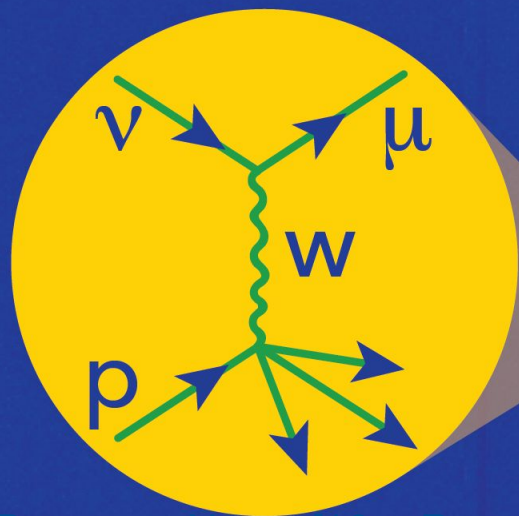


Welcome to INSS 2019!

12th International
Neutrino Summer School
Aug 5 – Aug 16, 2019



Presenter Name [16pt Regular]

Meeting Title

Day Month Year



Program / school overview

School overview

Week 1

	Monday 5th August	Tuesday 6th August	Wednesday 7th August	Thursday 8th August	Friday 9th August
9:00 am	Welcome	Neutrino Detection II	Solar and Reactor Neutrino Theory	Theories Beyond the SM and Neutrinos	Introduction to Leptogenesis
10:00 am	Intro. to the Physics of Massive Neutrinos I Mark Messier (One West WH1W) Concha González-García (One West WH1W)	Break	Break	Break	Break
11:00 am	Break	Phenom. of Atmos. and Accel. Neutrinos	Solar and Reactor Neutrino Experiments	Short-Baseline Expts. and Phenom	Tours 1 – 4 Meet in front of atrium
12:00 pm	Intro. to the Physics of Massive Neutrinos II Concha González-García (One West WH1W)	Break	Break	Break	Science Commun. Tutorial WH7X
1:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
2:00 pm	Tours 1 – 4 Meet in front of atrium	Long-Baseline Oscillation Experiments	Statistical Methods in Neutrino Physics	Origin and Nature of Neutrino Mass I	Origin and Nature of Neutrino Mass II
3:00 pm	Science Commun. Tutorial WH8X	Break	Break	Break	W&C break (WH2G)
4:00 pm	Break	Group Working Time (Atrium, Oscillation WH12NW) Homel's Nest (WH8X)	Fermilab Colloquium Goran Senjanović (One West WH1W)	Group Working Time (Atrium, Oscillation WH12NW) Small dining room WH12SW	Group Working Time (Atrium, Oscillation WH12SW) Small dining room WH12SW
5:00 pm	Neutrino Detection I Mark Messier (One West WH1W)	Group Working Time (Atrium, Oscillation WH12NW) Small dining room WH12SW	Group Working Time (Atrium, Oscillation WH12NW) Small dining room WH12SW	Group Working Time (Atrium, Oscillation WH12NW) Small dining room WH12SW	Group Working Time (Atrium, Oscillation WH12NW) Small dining room WH12SW
6:00 pm	Organize working groups				
7:00 pm	Welcome reception (Atrium)	Poster Session (Fermilab Cafeteria)		BBQ Dinner (Bosse Super Hall at 6:00 pm)	
8:00 pm					Optional pub crawl near hotel
9:00 pm					

Week 2

	Monday 12th August	Tuesday 13th August	Wednesday 14th August	Thursday 15th August	Friday 16th August
9:00 am	Direct Neutrino Mass Measurements	Lepton-Nucleus Cross Section Theory	Particle Astrophysics with High-Energy Neutrinos	Experimental Searches for Exotic Phenomena	
10:00 am	Cheryl Patrick (One West WH1W)	Noemi Rocco (One West WH1W)	Francis Halzen (One West WH1W)	Ornella Palmara (One West WH1W)	
11:00 am	Break	Break	Break	Break	Neutrino Cosmology
12:00 pm	Neutrinoless Double-Beta Decay Experiments	Neutrino Cross Section Experiments	Student Presentations	Student Presentations	Yvonne Wong (One West WH1W)
1:00 pm	Cheryl Patrick (One West WH1W)	Kendall Mahn (One West WH1W)	Student Presentations	Student Presentations	Lunch break (Fermilab Cafeteria)
2:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
3:00 pm	Neutrino Beams and Fluxes	Origin and Nature of Neutrino Mass III	Tours 1 – 4 Meet in front of atrium	Tours 1 – 4 Meet in front of atrium	Tours 1 – 4 Meet in front of atrium
4:00 pm	Kendall Mahn (One West WH1W)	Goran Senjanović (One West WH1W)	Science Commun. Tutorial WH1E	Science Commun. Tutorial WH8X	Science Commun. Tutorial WH13NW
5:00 pm	Break	Break	Break	Break	W&C break (WH2G)
6:00 pm	Group Working Time (Atrium, Oscillation WH12NW) Small dining room WH12SW	Group Working Time (Atrium, Oscillation WH12NW) Small dining room WH12SW	Fermilab Colloquium Yvonne Wong (One West WH1W)	Student Presentations (One West WH1W)	Wine & Cheese seminar (One West WH1W)
7:00 pm	Neutrinos and nuclear non-proliferation Bryce Littlejohn (One West WH1W)			Final School Dinner at Two Brothers Roundhouse (Bosse Super Hall at 6:00 pm)	
8:00 pm					
9:00 pm					

Detailed schedule / some presentation materials in the indico “Timetable” pages

Schedule-at-a-glance linked from indico page

School overview

- Total of 23 lecture sessions on topics across neutrino physics

Week 1

	Monday 5th August	Tuesday 6th August	Wednesday 7th August	Thursday 8th August	Friday 9th August
9:00 am	Welcome	Neutrino Detection II	Solar and Reactor Neutrino Theory	Theories Beyond the SM and Neutrinos	Introduction to Leptogenesis
10:00 am	Intro. to the Physics of Massive Neutrinos I Concha González-García (One West WH1W)	Mark Messier (One West WH1W) Break	Joachim Kopp (One West WH1W)	Joachim Kopp (One West WH1W)	Jessica Turner (One West WH1W)
11:00 am	Break	Phenom. of Atmos. and Accel. Neutrinos	Solar and Reactor Neutrino Experiments	Short-Baseline Expts. and Phenom	Break
12:00 pm	Intro. to the Physics of Massive Neutrinos II Concha González-García (One West WH1W)	Concha González-García (One West WH1W)	Bryce Littlejohn (One West WH1W)	Georgia Karagiorgi (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH7X
1:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
2:00 pm	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH8X	Long-Baseline Oscillation Experiments Patricia Vale (One West WH1W)	Statistical Methods in Neutrino Physics Thomas R. Junk (One West WH1W)	Origin and Nature of Neutrino Mass I Goran Senjanović (One West WH1W)	Origin and Nature of Neutrino Mass II Goran Senjanović (One West WH1W)
3:00 pm	Break	Break	Break	Break	W&C break (WH2G)
4:00 pm	Break	Group Working Time (Atrium, Oscillation WH13NW, Small dining room WH13W)	Fermilab Colloquium Goran Senjanović (One West WH1W)	Group Working Time (Atrium, Oscillation WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oscillation WH13NW, Small dining room WH13W)
5:00 pm	Neutrino Detection I Mark Messier (One West WH1W)	Group Working Time (Atrium, Oscillation WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oscillation WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oscillation WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oscillation WH13NW, Small dining room WH13W)
6:00 pm	Organize working groups				
7:00 pm	Welcome reception (Atrium)	Poster Session (Atrium)		BBQ Dinner (Buses depart WH at 8:00 pm)	
8:00 pm					Optional pub crawl near hotel
9:00 pm					

Week 2

	Monday 12th August	Tuesday 13th August	Wednesday 14th August	Thursday 15th August	Friday 16th August
9:00 am	Direct Neutrino Mass Measurements Cheryl Patrick (One West WH1W)	Lepton-Nucleus Cross Section Theory Noemi Rocco (One West WH1W)	Particle Astrophysics with High-Energy Neutrinos Francis Halzen (One West WH1W)	Experimental Searches for Exotic Phenomena Ornella Palamara (One West WH1W)	
10:00 am	Break	Break	Break	Break	Neutrino Cosmology Yvonne Wong (One West WH1W)
11:00 am	Neutrinoless Double-Beta Decay Experiments Cheryl Patrick (One West WH1W)	Neutrino Cross Section Experiments Kendall Mahn (One West WH1W)	Student Presentations Goran Senjanović (One West WH1W)	Student Presentations Goran Senjanović (One West WH1W)	Lunch break (Fermilab Cafeteria)
12:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
1:00 pm	Neutrino Beams and Fluxes Kendall Mahn (One West WH1W)	Origin and Nature of Neutrino Mass III Goran Senjanović (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH1E	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH3NW	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH13NW
2:00 pm	Break	Break	Break	Break	W&C break (WH2G)
3:00 pm	Group Working Time (Atrium, Oscillation WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oscillation WH13NW, Small dining room WH13W)	Fermilab Colloquium Yvonne Wong (One West WH1W)	Student Presentations Goran Senjanović (One West WH1W)	Wine & Cheese seminar (One West WH1W)
4:00 pm	Neutrinos and nuclear non-proliferation Bryce Littlejohn (One West WH1W)			Final School Dinner at Two Brothers Roundhouse (Buses depart WH at 8:00 pm)	
5:00 pm					
6:00 pm					
7:00 pm					
8:00 pm					
9:00 pm					

School overview

- Total of 23 lecture sessions on topics across neutrino physics
 - 11 theory and phenomenology

	Monday 5th August	Tuesday 6th August	Wednesday 7th August	Thursday 8th August	Friday 9th August
9:00 am	Welcome	Neutrino Detection II	Solar and Reactor Neutrino Theory	Theories Beyond the SM and Neutrinos	Introduction to Leptogenesis
10:00 am	Intro. to the Physics of Massive Neutrinos I Mark Messier (One West WH1W) Concha González-García (One West WH1W)	Break Break (photo in WH1W)	Break	Break	Break
11:00 am	Break	Phenom. of Atmos. and Accelerator Neutrinos	Solar and Reactor Neutrino Experiments	Short-Baseline Expts. and Phenom	Tours 1 – 4 Meet in front of atrium
12:00 pm	Intro. to the Physics of Massive Neutrinos II Concha González-García (One West WH1W)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Science Commun. Tutorial WH7X
1:00 pm	Lunch break (Fermilab Cafeteria)	Long-Baseline Oscillation Experiments	Statistical Methods in Neutrino Physics	Origin and Nature of Neutrino Mass I	Lunch break (Fermilab Cafeteria)
2:00 pm	Tours 1 – 4 Meet in front of atrium	Break	Break	Break	Origin and Nature of Neutrino Mass II
3:00 pm	Science Commun. Tutorial WH10X	Break	Break	Break	Goran Senjanović (One West WH1W)
4:00 pm	Break	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Fermilab Colloquium Goran Senjanović (One West WH1W)	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	W&C break (WH2G)
5:00 pm	Neutrino Detection I Mark Messier (One West WH1W)	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)
6:00 pm	Organize working groups				
7:00 pm	Welcome reception (Astrum)	Poster Session (Astrum)		BBQ Dinner (Buses depart WH at 8:00 pm)	
8:00 pm					Optional pub crawl near hotel
9:00 pm					

Week 1

	Monday 12th August	Tuesday 13th August	Wednesday 14th August	Thursday 15th August	Friday 16th August
9:00 am	Direct Neutrino Mass Measurements Cheryl Patrick (One West WH1W)	Lepton-Nucleus Cross Section Theory Noemi Rocco (One West WH1W)	Particle Astrophysics with High-Energy Neutrinos Francis Halzen (One West WH1W)	Experimental Searches for Exotic Phenomena Ornella Palamara (One West WH1W)	
10:00 am	Break	Break	Break	Break	Neutrino Cosmology
11:00 am	Neutrinoless Double-Beta Decay Experiments Cheryl Patrick (One West WH1W)	Neutrino Cross Section Experiments Kendall Mahn (One West WH1W)	Student Presentations (One West WH1W)	Student Presentations (One West WH1W)	Yvonne Wong (One West WH1W)
12:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
1:00 pm	Neutrino Beams and Fluxes Kendall Mahn (One West WH1W)	Origin and Nature of Neutrino Mass III Goran Senjanović (One West WH1W)	Tours 1 – 4 Meet in front of atrium	Tours 1 – 4 Meet in front of atrium	Tours 1 – 4 Meet in front of atrium
2:00 pm	Break	Break	Science Commun. Tutorial WH1E	Science Commun. Tutorial WH3X	Science Commun. Tutorial WH13NW
3:00 pm	Break	Break	Break	Break	W&C break (WH2G)
4:00 pm	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Fermilab Colloquium Yvonne Wong (One West WH1W)	Student Presentations (One West WH1W)	Wine & Cheese seminar (One West WH1W)
5:00 pm	Neutrinos and nuclear non-proliferation Bryce Littlejohn (One West WH1W)			Final School Dinner at Two Brothers Roundhouse (Buses depart WH at 8:00 pm)	
6:00 pm					
7:00 pm					
8:00 pm					
9:00 pm					

Week 2

School overview

- Total of 23 lecture sessions on topics across neutrino physics
 - 11 theory and phenomenology
 - 8 experimental

	Monday 5th August	Tuesday 6th August	Wednesday 7th August	Thursday 8th August	Friday 9th August
9:00 am	Welcome	Neutrino Detection II Mark Messier (One West WH1W)	Solar and Reactor Neutrino Theory Joachim Kopp (One West WH1W)	Theories Beyond the SM and Neutrinos Joachim Kopp (One West WH1W)	Introduction to Leptogenesis Jessica Turner (One West WH1W)
10:00 am	Intro. to the Physics of Massive Neutrinos I Concha González-García (One West WH1W)	Break	Break	Break	Break
11:00 am	Break	Phenom. of Atmos. and Accel. Neutrinos Concha González-García (One West WH1W)	Solar and Reactor Neutrino Experiments Bryce Littlejohn (One West WH1W)	Short-Baseline Expts. and Phenom Georgia Karagiorgi (One West WH1W)	Tours 1 – 4 Meet in front of atrium
12:00 pm	Intro. to the Physics of Massive Neutrinos II Concha González-García (One West WH1W)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Science Commun. Tutorial WH7X
1:00 pm	Lunch break (Fermilab Cafeteria)	Long-Baseline Oscillation Experiments Patricia Vale (One West WH1W)	Statistical Methods in Neutrino Physics Thomas R. Junk (One West WH1W)	Origin and Nature of Neutrino Mass I Goran Senjanović (One West WH1W)	Lunch break (Fermilab Cafeteria)
2:00 pm	Tours 1 – 4 Meet in front of atrium	Break	Break	Break	Origin and Nature of Neutrino Mass II Goran Senjanović (One West WH1W)
3:00 pm	Science Commun. Tutorial WH8X	Break	Break	Break	W&C break (WH2G)
4:00 pm	Break	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Fermilab Colloquium Goran Senjanović (One West WH1W)	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)
5:00 pm	Neutrino Detection I Mark Messier (One West WH1W)	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)
6:00 pm	Organize working groups				
7:00 pm	Welcome reception (Astrum)	Poster Session (Astrum)		BBQ Dinner (Buses depart WH at 8:00 pm)	
8:00 pm					Optional pub crawl near hotel
9:00 pm					

Week 1

	Monday 12th August	Tuesday 13th August	Wednesday 14th August	Thursday 15th August	Friday 16th August
9:00 am	Direct Neutrino Mass Measurements Cheryl Patrick (One West WH1W)	Lepton-Nucleus Cross Section Theory Noemi Rocco (One West WH1W)	Particle Astrophysics with High-Energy Neutrinos Francis Halzen (One West WH1W)	Experimental Searches for Exotic Phenomena Ornella Palamara (One West WH1W)	
10:00 am	Break	Break	Break	Break	Neutrino Cosmology Yvonne Wong (One West WH1W)
11:00 am	Neutrinoless Double-Beta Decay Experiments Cheryl Patrick (One West WH1W)	Neutrino Cross Section Experiments Kendall Mahn (One West WH1W)	Student Presentations (One West WH1W)	Student Presentations (One West WH1W)	Lunch break (Fermilab Cafeteria)
12:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
1:00 pm	Neutrino Beams and Fluxes Kendall Mahn (One West WH1W)	Origin and Nature of Neutrino Mass III Goran Senjanović (One West WH1W)	Tours 1 – 4 Meet in front of atrium	Tours 1 – 4 Meet in front of atrium	Tours 1 – 4 Meet in front of atrium
2:00 pm	Break	Break	Break	Break	W&C break (WH2G)
3:00 pm	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Fermilab Colloquium Yvonne Wong (One West WH1W)	Student Presentations (One West WH1W)	Wine & Cheese seminar (One West WH1W)
4:00 pm	Neutrinos and nuclear non-proliferation Bryce Littlejohn (One West WH1W)			Final School Dinner at Two Brothers Roundhouse (Buses depart WH at 8:00 pm)	
5:00 pm					
6:00 pm					
7:00 pm					
8:00 pm					
9:00 pm					

Week 2

School overview

- Total of 23 lecture sessions on topics across neutrino physics
 - 11 theory and phenomenology
 - 8 experimental
 - 3 combined theory / phenom / experiment

	Monday 5th August	Tuesday 6th August	Wednesday 7th August	Thursday 8th August	Friday 9th August
9:00 am	Welcome	Neutrino Detection II	Solar and Reactor Neutrino Theory	Theories Beyond the SM and Neutrinos	Introduction to Leptogenesis
10:00 am	Intro. to the Physics of Massive Neutrinos I Mark Messier (One West WH1W) Concha González-García (One West WH1W)	Break	Break	Break	Break
11:00 am	Break	Phenom. of Atmos. and Accel. Neutrinos	Solar and Reactor Neutrino Experiments	Short-Baseline Expts. and Phenom	Tours 1 – 4 Meet in front of atrium
12:00 pm	Intro. to the Physics of Massive Neutrinos II Concha González-García (One West WH1W)	Concha González-García (One West WH1W)	Bryce Littlejohn (One West WH1W)	Georgia Karagiorgi (One West WH1W)	Science Commun. Tutorial WH7X
1:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
2:00 pm	Tours 1 – 4 Meet in front of atrium	Long-Baseline Oscillation Experiments	Statistical Methods in Neutrino Physics	Origin and Nature of Neutrino Mass I	Origin and Nature of Neutrino Mass II
3:00 pm	Science Commun. Tutorial WH8X	Break	Break	Break	Goran Senjanović (One West WH1W)
4:00 pm	Break	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)	Fermilab Colloquium Goran Senjanović (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)	W&C break (WH2G)
5:00 pm	Neutrino Detection I Mark Messier (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)
6:00 pm	Organize working groups				
7:00 pm	Welcome reception (Atrium)	Poster Session (Atrium)		BBQ Dinner (Bosse Super WH at 8:00 pm)	
8:00 pm					Optional pub crawl near hotel
9:00 pm					

Week 1

	Monday 12th August	Tuesday 13th August	Wednesday 14th August	Thursday 15th August	Friday 16th August
9:00 am	Direct Neutrino Mass Measurements	Lepton-Nucleus Cross Section Theory	Particle Astrophysics with High-Energy Neutrinos	Experimental Searches for Exotic Phenomena	
10:00 am	Cheryl Patrick (One West WH1W)	Noemi Rocco (One West WH1W)	Francis Halzen (One West WH1W)	Ornella Palamara (One West WH1W)	
11:00 am	Break	Break	Break	Break	Neutrino Cosmology
12:00 pm	Neutrinoless Double-Beta Decay Experiments	Neutrino Cross Section Experiments	Student Presentations	Student Presentations	Yvonne Wong (One West WH1W)
1:00 pm	Cheryl Patrick (One West WH1W)	Kendall Mahn (One West WH1W)	Student Presentations	Student Presentations	Lunch break (Fermilab Cafeteria)
2:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
3:00 pm	Neutrino Beams and Fluxes	Origin and Nature of Neutrino Mass III	Tours 1 – 4 Meet in front of atrium	Tours 1 – 4 Meet in front of atrium	Tours 1 – 4 Meet in front of atrium
4:00 pm	Kendall Mahn (One West WH1W)	Goran Senjanović (One West WH1W)	Science Commun. Tutorial WH1E	Science Commun. Tutorial WH8X	Science Commun. Tutorial WH13NW
5:00 pm	Break	Break	Break	Break	W&C break (WH2G)
6:00 pm	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)	Fermilab Colloquium Yvonne Wong (One West WH1W)	Student Presentations (One West WH1W)	Wine & Cheese seminar (One West WH1W)
7:00 pm	Neutrinos and nuclear non-proliferation			Final School Dinner at Two Brothers Roundhouse (Bosse Super WH at 8:00 pm)	
8:00 pm					
9:00 pm					

Week 2

School overview

- Total of 23 lecture sessions on topics across neutrino physics
 - 11 theory and phenomenology
 - 8 experimental
 - 3 combined theory / phenom / experiment
 - 1 statistical methods

Week 1

	Monday 5th August	Tuesday 6th August	Wednesday 7th August	Thursday 8th August	Friday 9th August
9:00 am	Welcome	Neutrino Detection II	Solar and Reactor Neutrino Theory	Theories Beyond the SM and Neutrinos	Introduction to Leptogenesis
10:00 am	Intro. to the Physics of Massive Neutrinos I Mark Messier (One West WH1W) Concha González-García (One West WH1W)	Break	Joachim Kopp (One West WH1W)	Joachim Kopp (One West WH1W)	Jessica Turner (One West WH1W)
11:00 am	Break	Phenom. of Atmos. and Accel. Neutrinos	Solar and Reactor Neutrino Experiments	Short-Baseline Expts. and Phenom	Break
12:00 pm	Intro. to the Physics of Massive Neutrinos II Concha González-García (One West WH1W)	Concha González-García (One West WH1W)	Bryce Littlejohn (One West WH1W)	Georgia Karagiorgi (One West WH1W)	Tours 1 – 4 Meet in front of atrium
1:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Science Commun. Tutorial WH1X
2:00 pm	Tours 1 – 4 Meet in front of atrium	Long-Baseline Oscillation Experiments	Statistical Methods in Neutrino Physics	Origin and Nature of Neutrino Mass I	Lunch break (Fermilab Cafeteria)
3:00 pm	Science Commun. Tutorial WH1X	Patricia Vale (One West WH1W)	Thomas R. Junk (One West WH1W)	Goran Senjanović (One West WH1W)	Origin and Nature of Neutrino Mass II Goran Senjanović (One West WH1W)
4:00 pm	Break	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)	Fermilab Colloquium Goran Senjanović (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)	W&C break (WH2G)
5:00 pm	Neutrino Detection I Mark Messier (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)
6:00 pm	Organize working groups				
7:00 pm	Welcome reception (Atrium)	Poster Session (Atrium)		BBQ Dinner (Buses depart WH at 8:00 pm)	
8:00 pm					Optional pub crawl near hotel
9:00 pm					

Week 2

	Monday 12th August	Tuesday 13th August	Wednesday 14th August	Thursday 15th August	Friday 16th August
9:00 am	Direct Neutrino Mass Measurements	Lepton-Nucleus Cross Section Theory	Particle Astrophysics with High-Energy Neutrinos	Experimental Searches for Exotic Phenomena	
10:00 am	Cheryl Patrick (One West WH1W)	Noemi Rocco (One West WH1W)	Francis Halzen (One West WH1W)	Ornella Palamara (One West WH1W)	Neutrino Cosmology
11:00 am	Break	Break	Break	Break	Yvonne Wang (One West WH1W)
12:00 pm	Neutrinoless Double-Beta Decay Experiments	Neutrino Cross Section Experiments	Student Presentations	Student Presentations	Lunch break (Fermilab Cafeteria)
1:00 pm	Cheryl Patrick (One West WH1W)	Kendall Mahn (One West WH1W)	Student Presentations (One West WH1W)	Student Presentations (One West WH1W)	Lunch break (Fermilab Cafeteria)
2:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
3:00 pm	Neutrino Beams and Fluxes	Origin and Nature of Neutrino Mass III	Tours 1 – 4 Meet in front of atrium	Tours 1 – 4 Meet in front of atrium	Tours 1 – 4 Meet in front of atrium
4:00 pm	Kendall Mahn (One West WH1W)	Goran Senjanović (One West WH1W)	Science Commun. Tutorial WH1E	Science Commun. Tutorial WH1E	Science Commun. Tutorial WH13NW
5:00 pm	Break	Break	Break	Break	W&C break (WH2G)
6:00 pm	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)	Fermilab Colloquium Yvonne Wang (One West WH1W)	Student Presentations (One West WH1W)	Wine & Cheese seminar (One West WH1W)
7:00 pm	Neutrinos and nuclear non-proliferation Bryce Littlejohn (One West WH1W)			Final School Dinner at Two Brothers Roundhouse (Buses depart WH at 8:00 pm)	
8:00 pm					
9:00 pm					

School overview

- Total of 23 lecture sessions on topics across neutrino physics
- 10.5 hours of scheduled working group time
 - Students assigned to groups of ~5
 - Work on open-ended problems

	Monday 5th August	Tuesday 6th August	Wednesday 7th August	Thursday 8th August	Friday 9th August
9:00 am	Welcome	Neutrino Detection II	Solar and Reactor Neutrino Theory	Theories Beyond the SM and Neutrinos	Introduction to Leptogenesis
10:00 am	Intro. to the Physics of Massive Neutrinos I Concha González-García (One West WH1W)	Mark Messier (One West WH1W)	Joachim Kopp (One West WH1W)	Joachim Kopp (One West WH1W)	Jessica Turner (One West WH1W)
11:00 am	Break	Break	Break	Break	Break
12:00 pm	Intro. to the Physics of Massive Neutrinos II Concha González-García (One West WH1W)	Phenom. of Atmos. and Accel. Neutrinos Concha González-García (One West WH1W)	Solar and Reactor Neutrino Experiments Bryce Littlejohn (One West WH1W)	Short-Baseline Expts. and Phenom Georgia Karagiorgi (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH7X
1:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
2:00 pm	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH8X	Long-Baseline Oscillation Experiments Patricia Vale (One West WH1W)	Statistical Methods in Neutrino Physics Thomas R. Junk (One West WH1W)	Origin and Nature of Neutrino Mass I Goran Senjanović (One West WH1W)	Origin and Nature of Neutrino Mass II Goran Senjanović (One West WH1W)
3:00 pm	Break	Break	Break	Break	W&C break (WH2G)
4:00 pm	Break	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Fermilab Colloquium Goran Senjanović (One West WH1W)	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)
5:00 pm	Break	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)
6:00 pm	Organize working groups	Poster Session (Astrum)			
7:00 pm	Welcome reception (Astrum)			BBQ Dinner (Bosse Super WH at 6:30 pm)	
8:00 pm					Optional pub crawl near hotel
9:00 pm					

Week 1

	Monday 12th August	Tuesday 13th August	Wednesday 14th August	Thursday 15th August	Friday 16th August
9:00 am	Direct Neutrino Mass Measurements Cheryl Patrick (One West WH1W)	Lepton-Nucleus Cross Section Theory Noemi Rocco (One West WH1W)	Particle Astrophysics with High-Energy Neutrinos Francis Halzen (One West WH1W)	Experimental Searches for Exotic Phenomena Ornella Palamara (One West WH1W)	
10:00 am	Break	Break	Break	Break	Neutrino Cosmology Yvonne Wong (One West WH1W)
11:00 am	Neutrinoless Double-Beta Decay Experiments Cheryl Patrick (One West WH1W)	Neutrino Cross Section Experiments Kendall Mahn (One West WH1W)	Student Presentations (One West WH1W)	Student Presentations (One West WH1W)	Lunch break (Fermilab Cafeteria)
12:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
1:00 pm	Neutrino Beams and Fluxes Kendall Mahn (One West WH1W)	Origin and Nature of Neutrino Mass III Goran Senjanović (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH1E	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH8X	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH13NW
2:00 pm	Break	Break	Break	Break	W&C break (WH2G)
3:00 pm	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Astrum, Oscillatorium WH13NW, Small dining room WH13W)	Fermilab Colloquium Yvonne Wong (One West WH1W)	Student Presentations (One West WH1W)	Wine & Cheese seminar (One West WH1W)
4:00 pm	Neutrinos and nuclear non-proliferation Bryce Littlejohn (One West WH1W)			Final School Dinner at Two Brothers Roundhouse (Bosse Super WH at 6:30 pm)	
5:00 pm					
6:00 pm					
7:00 pm					
8:00 pm					
9:00 pm					

Week 2

School overview

- Total of 23 lecture sessions on topics across neutrino physics
- 10.5 hours of scheduled working group time
 - Students assigned to groups of ~5
 - Work on open-ended problems
- Will organize work at 6:00 pm today
- Problems, groups posted to indico

	Monday 5th August	Tuesday 6th August	Wednesday 7th August	Thursday 8th August	Friday 9th August
9:00 am	Welcome	Neutrino Detection II	Solar and Reactor Neutrino Theory	Theories Beyond the SM and Neutrinos	Introduction to Leptogenesis
10:00 am	Intro. to the Physics of Massive Neutrinos I Mark Messier (One West WH1W) Concha González-García (One West WH1W)	Neutrino Detection II Mark Messier (One West WH1W) Concha González-García (One West WH1W)	Solar and Reactor Neutrino Theory Joachim Kopp (One West WH1W)	Theories Beyond the SM and Neutrinos Joachim Kopp (One West WH1W)	Introduction to Leptogenesis Jessica Turner (One West WH1W)
11:00 am	Break	Break	Break	Break	Break
12:00 pm	Intro. to the Physics of Massive Neutrinos II Concha González-García (One West WH1W)	Phenom. of Atmos. and Accel. Neutrinos Concha González-García (One West WH1W)	Solar and Reactor Neutrino Experiments Bryce Littlejohn (One West WH1W)	Short-Baseline Expts. and Phenom Georgia Karagiorgi (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH7X
1:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
2:00 pm	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH8X	Long-Baseline Oscillation Experiments Patricia Vale (One West WH1W)	Statistical Methods in Neutrino Physics Thomas R. Junk (One West WH1W)	Origin and Nature of Neutrino Mass I Goran Senjanović (One West WH1W)	Origin and Nature of Neutrino Mass II Goran Senjanović (One West WH1W)
3:00 pm	Break	Break	Break	Break	W&C break (WH2G)
4:00 pm	Break	Group Working Time (Atrium, Oscillatorium WH12NW, Small dining room WH12SW)	Fermilab Colloquium Goran Senjanović (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH12NW, Small dining room WH12SW)	Group Working Time (Atrium, Oscillatorium WH12NW, Small dining room WH12SW)
5:00 pm	Neutrino Detection I Mark Messier (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH12NW, Small dining room WH12SW)	Group Working Time (Atrium, Oscillatorium WH12NW, Small dining room WH12SW)	Group Working Time (Atrium, Oscillatorium WH12NW, Small dining room WH12SW)	Group Working Time (Atrium, Oscillatorium WH12NW, Small dining room WH12SW)
6:00 pm	Organize working groups				
7:00 pm	Welcome reception (Atrium)	Poster Session (Atrium)		BBQ Dinner (Bosse Super WH at 8:00 pm)	
8:00 pm					Optional pub crawl near hotel
9:00 pm					

Week 1

	Monday 12th August	Tuesday 13th August	Wednesday 14th August	Thursday 15th August	Friday 16th August
9:00 am	Direct Neutrino Mass Measurements Cheryl Patrick (One West WH1W)	Lepton-Nucleus Cross Section Theory Noemi Rocco (One West WH1W)	Particle Astrophysics with High-Energy Neutrinos Francis Halzen (One West WH1W)	Experimental Searches for Exotic Phenomena Ornella Palamara (One West WH1W)	
10:00 am	Break	Break	Break	Break	Neutrino Cosmology
11:00 am	Neutrinoless Double-Beta Decay Experiments Cheryl Patrick (One West WH1W)	Neutrino Cross Section Experiments Kendall Mahn (One West WH1W)	Student Presentations (One West WH1W)	Student Presentations (One West WH1W)	Yvonne Wang (One West WH1W)
12:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
1:00 pm	Neutrino Beams and Fluxes Kendall Mahn (One West WH1W)	Origin and Nature of Neutrino Mass III Goran Senjanović (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH1E	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH3NW	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH13NW
2:00 pm	Break	Break	Break	Break	W&C break (WH2G)
3:00 pm	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13SW)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13SW)	Fermilab Colloquium Yvonne Wang (One West WH1W)	Student Presentations (One West WH1W)	Wine & Cheese seminar (One West WH1W)
4:00 pm	Neutrinos and nuclear non-proliferation Bryce Littlejohn (One West WH1W)			Final School Dinner at Two Brothers Roundhouse (Bosse Super WH at 8:00 pm)	
5:00 pm					
6:00 pm					
7:00 pm					
8:00 pm					
9:00 pm					

Week 2

School overview

- Total of 23 lecture sessions on topics across neutrino physics
- 10.5 hours of scheduled working group time
- Student presentations of group work
 - APS-style, 8+2 minutes
 - Prizes for best presentations

Week 1

	Monday 5th August	Tuesday 6th August	Wednesday 7th August	Thursday 8th August	Friday 9th August
9:00 am	Welcome	Neutrino Detection II	Solar and Reactor Neutrino Theory	Theories Beyond the SM and Neutrinos	Introduction to Leptogenesis
10:00 am	Intro. to the Physics of Massive Neutrinos I Mark Messier (One West WH1W) Concha González-García (One West WH1W)	Break	Joachim Kopp (One West WH1W)	Joachim Kopp (One West WH1W)	Jessica Turner (One West WH1W)
11:00 am	Break	Phenom. of Atmos. and Accel. Neutrinos	Solar and Reactor Neutrino Experiments	Short-Baseline Expts. and Phenom	Break
12:00 pm	Intro. to the Physics of Massive Neutrinos II Concha González-García (One West WH1W)	Concha González-García (One West WH1W)	Bryce Littlejohn (One West WH1W)	Georgia Karagiorgi (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH7X
1:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
2:00 pm	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH8X	Long-Baseline Oscillation Experiments	Statistical Methods in Neutrino Physics Thomas R. Junk (One West WH1W)	Origin and Nature of Neutrino Mass I Goran Senjanović (One West WH1W)	Origin and Nature of Neutrino Mass II Goran Senjanović (One West WH1W)
3:00 pm	Break	Break	Break	Break	W&C break (WH2G)
4:00 pm	Break	Group Working Time (Astrum, Oscillatorium WH12W) Homel's Nest (WH8X)	Fermilab Colloquium Goran Senjanović (One West WH1W)	Group Working Time (Astrum, Oscillatorium WH13W) Small dining room WH13W	Group Working Time (Astrum, Oscillatorium WH13W) Small dining room WH13W
5:00 pm	Neutrino Detection I Mark Messier (One West WH1W)	Group Working Time (Astrum, Oscillatorium WH12W) Small dining room WH12W	Group Working Time (Astrum, Oscillatorium WH12W) Small dining room WH12W	Group Working Time (Astrum, Oscillatorium WH13W) Small dining room WH13W	Group Working Time (Astrum, Oscillatorium WH13W) Small dining room WH13W
6:00 pm	Organize working groups				
7:00 pm	Welcome reception (Astrum)	Poster Session (Astrum)		BBQ Dinner (Bosse Super WH at 6:30 pm)	
8:00 pm					Optional pub crawl near hotel
9:00 pm					

Week 2

	Monday 12th August	Tuesday 13th August	Wednesday 14th August	Thursday 15th August	Friday 16th August
9:00 am	Direct Neutrino Mass Measurements Cheryl Patrick (One West WH1W)	Lepton-Nucleus Cross Section Theory Noemi Rocco (One West WH1W)	Particle Astrophysics with High-Energy Neutrinos Francis Halzen (One West WH1W)	Experimental Searches for Exotic Phenomena Ornella Palamara (One West WH1W)	
10:00 am	Break	Break	Break	Break	Neutrino Cosmology Yvonne Wang (One West WH1W)
11:00 am	Neutrinoless Double-Beta Decay Experiments Cheryl Patrick (One West WH1W)	Neutrino Cross Section Experiments Kendall Mahn (One West WH1W)	Student Presentations (One West WH1W)	Student Presentations (One West WH1W)	Lunch break (Fermilab Cafeteria)
12:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
1:00 pm	Neutrino Beams and Fluxes Kendall Mahn (One West WH1W)	Origin and Nature of Neutrino Mass III Goran Senjanović (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH1E	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH3X	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH13NW
2:00 pm	Break	Break	Break	Break	W&C break (WH2G)
3:00 pm	Group Working Time (Astrum, Oscillatorium WH13W) Small dining room WH13W	Group Working Time (Astrum, Oscillatorium WH13W) Small dining room WH13W	Fermilab Colloquium Yvonne Wang (One West WH1W)	Student Presentations (One West WH1W)	Wine & Cheese seminar (One West WH1W)
4:00 pm	Neutrinos and nuclear non-proliferation Bryce Littlejohn (One West WH1W)			Final School Dinner at Two Brothers Roundhouse (Bosse Super WH at 6:30 pm)	
5:00 pm					
6:00 pm					
7:00 pm					
8:00 pm					
9:00 pm					

School overview

- Total of 23 lecture sessions on topics across neutrino physics
- 10.5 hours of scheduled working group time
- Student presentations of group work
- Tours and tutorials
 - Split into groups of ~18
 - 4 groups visit facilities
 - Muon g-2 experiment
 - DØ detector
 - SRF + SC magnet facilities
 - NOvA / MINOS / MINERvA underground
 - 1 group attends tutorial
 - Science communication

Week 1

	Monday 5th August	Tuesday 6th August	Wednesday 7th August	Thursday 8th August	Friday 9th August
9:00 am	Welcome	Neutrino Detection II	Solar and Reactor Neutrino Theory	Theories Beyond the SM and Neutrinos	Introduction to Leptogenesis
10:00 am	Intro. to the Physics of Massive Neutrinos I Mark Messier (One West WH1W) Concha González-García (One West WH1W)	Neutrino Detection II Mark Messier (One West WH1W) Concha González-García (One West WH1W)	Solar and Reactor Neutrino Theory Joachim Kopp (One West WH1W)	Theories Beyond the SM and Neutrinos Joachim Kopp (One West WH1W)	Introduction to Leptogenesis Jessica Turner (One West WH1W)
11:00 am	Break	Break	Break	Break	Break
12:00 pm	Intro. to the Physics of Massive Neutrinos II Concha González-García (One West WH1W)	Phenom. of Atmos. and Accel. Neutrinos Concha González-García (One West WH1W)	Solar and Reactor Neutrino Experiments Bryce Littlejohn (One West WH1W)	Short-Baseline Expts. and Phenom Georgia Karagiorgi (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WHTX
1:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
2:00 pm	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WHBX	Long-Baseline Oscillation Experiments Patricia Vale (One West WH1W)	Statistical Methods in Neutrino Physics Thomas Junk (One West WH1W)	Origin and Nature of Neutrino Mass I Goran Senjanović (One West WH1W)	Origin and Nature of Neutrino Mass II Goran Senjanović (One West WH1W)
3:00 pm	Break	Break	Break	Break	W&C break (WH2G)
4:00 pm	Break	Group Working Time (Atrium, Oscillatorium WH12W) Small dining room (WH12W)	Fermilab Colloquium Goran Senjanović (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH12W) Small dining room (WH12W)	Group Working Time (Atrium, Oscillatorium WH12W) Small dining room (WH12W)
5:00 pm	Neutrino Detection I Mark Messier (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH12W) Small dining room (WH12W)	Group Working Time (Atrium, Oscillatorium WH12W) Small dining room (WH12W)	Group Working Time (Atrium, Oscillatorium WH12W) Small dining room (WH12W)	Group Working Time (Atrium, Oscillatorium WH12W) Small dining room (WH12W)
6:00 pm	Organize working groups				
7:00 pm	Welcome reception (Atrium)	Poster Session (Atrium)		BBQ Dinner (Bosse Super WH at 6:30 pm)	
8:00 pm					Optional pub crawl near hotel
9:00 pm					

Week 2

	Monday 12th August	Tuesday 13th August	Wednesday 14th August	Thursday 15th August	Friday 16th August
9:00 am	Direct Neutrino Mass Measurements Cheryl Patrick (One West WH1W)	Lepton-Nucleus Cross Section Theory Noemi Rocco (One West WH1W)	Particle Astrophysics with High-Energy Neutrinos Francis Halzen (One West WH1W)	Experimental Searches for Exotic Phenomena Ornella Palmara (One West WH1W)	
10:00 am	Break	Break	Break	Break	Neutrino Cosmology Yvonne Wang (One West WH1W)
11:00 am	Neutrinoless Double-Beta Decay Experiments Cheryl Patrick (One West WH1W)	Neutrino Cross Section Experiments Kendall Mahn (One West WH1W)	Student Presentations (One West WH1W)	Student Presentations (One West WH1W)	Lunch break (Fermilab Cafeteria)
12:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
1:00 pm	Neutrino Beams and Fluxes Kendall Mahn (One West WH1W)	Origin and Nature of Neutrino Mass III Goran Senjanović (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH1E	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH13NW	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH13NW
2:00 pm	Break	Break	Break	Break	W&C break (WH2G)
3:00 pm	Group Working Time (Atrium, Oscillatorium WH13W) Small dining room (WH13W)	Group Working Time (Atrium, Oscillatorium WH13W) Small dining room (WH13W)	Fermilab Colloquium Yvonne Wang (One West WH1W)	Student Presentations (One West WH1W)	Wine & Cheese seminar (One West WH1W)
4:00 pm	Neutrinos and nuclear non-proliferation Bryce Littlejohn (One West WH1W)			Final School Dinner at Two Brothers Roundhouse (Bosse Super WH at 6:30 pm)	
5:00 pm					
6:00 pm					
7:00 pm					
8:00 pm					
9:00 pm					

School overview

- Total of 23 lecture sessions on topics across neutrino physics
- 10.5 hours of scheduled working group time
- Student presentations of group work
- Tours and tutorials
- Poster session
 - Current student research topics
 - Prizes for best (as determined by judges)
 - Snacks to be served
 - Note:
 - Set-up: after 12:30 pm on Tues, Aug 6
 - Take-down: by 1:30 pm on Wed, Aug 7

Week 1

	Monday 5th August	Tuesday 6th August	Wednesday 7th August	Thursday 8th August	Friday 9th August
9:00 am	Welcome	Neutrino Detection II	Solar and Reactor Neutrino Theory	Theories Beyond the SM and Neutrinos	Introduction to Leptogenesis
10:00 am	Intro. to the Physics of Massive Neutrinos I Concha González-García (One West WH1W)	Mark Messier (One West WH1W) Break Break photo on front of WH1	Joachim Kopp (One West WH1W)	Joachim Kopp (One West WH1W)	Jessica Turner (One West WH1W)
11:00 am	Break	Phenom. of Atmos. and Accel. Neutrinos	Solar and Reactor Neutrino Experiments	Short-Baseline Expts. and Phenom	Break
12:00 pm	Intro. to the Physics of Massive Neutrinos II Concha González-García (One West WH1W)	Concha González-García (One West WH1W)	Bryce Littlejohn (One West WH1W)	Georgia Karagiorgi (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH7X
1:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
2:00 pm	Tours 1 – 4 Meet in front of atrium	Long-Baseline Oscillation Experiments	Statistical Methods in Neutrino Physics	Origin and Nature of Neutrino Mass I	Origin and Nature of Neutrino Mass II
3:00 pm	Science Commun. Tutorial WH8X	Patricia Valle (One West WH1W)	Thomas R. Junk (One West WH1W)	Goran Senjanović (One West WH1W)	Goran Senjanović (One West WH1W)
4:00 pm	Break	Break	Break	Break	W&C break (WH2G)
5:00 pm	Neutrino Detection I Mark Messier (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH12NW, Harold's Nest WH8K)	Fermilab Colloquium Goran Senjanović (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)	Group Working Time (Atrium, Oscillatorium WH13RW, Small dining room WH13RW)
6:00 pm	Organize working groups		Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)		
7:00 pm	Welcome reception (Atrium)	Poster Session (Atrium)		BBQ Dinner (Bosse Super WH at 6:30 pm)	
8:00 pm					Optional pub crawl near hotel
9:00 pm					

Week 2

	Monday 12th August	Tuesday 13th August	Wednesday 14th August	Thursday 15th August	Friday 16th August
9:00 am	Direct Neutrino Mass Measurements	Lepton-Nucleus Cross Section Theory	Particle Astrophysics with High-Energy Neutrinos	Experimental Searches for Exotic Phenomena	
10:00 am	Cheryl Patrick (One West WH1W)	Noemi Rocco (One West WH1W)	Francis Halzen (One West WH1W)	Ornella Palamara (One West WH1W)	
11:00 am	Break	Break	Break	Break	Neutrino Cosmology
12:00 pm	Neutrinoless Double-Beta Decay Experiments	Neutrino Cross Section Experiments	Student Presentations	Student Presentations	Yvonne Wong (One West WH1W)
1:00 pm	Cheryl Patrick (One West WH1W)	Kendall Mahn (One West WH1W)	Student Presentations	Student Presentations	Lunch break (Fermilab Cafeteria)
2:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
3:00 pm	Neutrino Beams and Fluxes	Origin and Nature of Neutrino Mass III	Tours 1 – 4 Meet in front of atrium	Tours 1 – 4 Meet in front of atrium	Tours 1 – 4 Meet in front of atrium
4:00 pm	Kendall Mahn (One West WH1W)	Goran Senjanović (One West WH1W)	Science Commun. Tutorial WH1E	Science Commun. Tutorial WH8X	Science Commun. Tutorial WH13NW
5:00 pm	Break	Break	Break	Break	W&C break (WH2G)
6:00 pm	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)	Fermilab Colloquium Yvonne Wong (One West WH1W)	Student Presentations (One West WH1W)	Wine & Cheese seminar (One West WH1W)
7:00 pm	Neutrinos and nuclear non-proliferation Bryce Littlejohn (One West WH1W)			Final School Dinner at Two Brothers Roundhouse (Bosse Super WH at 6:30 pm)	
8:00 pm					
9:00 pm					

School overview

- Total of 23 lecture sessions on topics across neutrino physics
- 10.5 hours of scheduled working group time
- Student presentations of group work
- Tours and tutorials
- Poster session
- Three scheduled social events
 - Welcome reception today 6:30 to 8:00 pm
 - BBQ dinner
 - Final school dinner @ Two Brothers Roundhouse

Week 1

	Monday 5th August	Tuesday 6th August	Wednesday 7th August	Thursday 8th August	Friday 9th August
9:00 am	Welcome	Neutrino Detection II	Solar and Reactor Neutrino Theory	Theories Beyond the SM and Neutrinos	Introduction to Leptogenesis
10:00 am	Intro. to the Physics of Massive Neutrinos I Mark Messier (One West WH1W) Concha González-García (One West WH1W)	Neutrino Detection II Mark Messier (One West WH1W)	Solar and Reactor Neutrino Theory Joachim Kopp (One West WH1W)	Theories Beyond the SM and Neutrinos Joachim Kopp (One West WH1W)	Introduction to Leptogenesis Jessica Turner (One West WH1W)
11:00 am	Break	Break	Break	Break	Break
12:00 pm	Intro. to the Physics of Massive Neutrinos II Concha González-García (One West WH1W)	Phenom. of Atmos. and Accel. Neutrinos Concha González-García (One West WH1W)	Solar and Reactor Neutrino Experiments Bryce Littlejohn (One West WH1W)	Short-Baseline Expts. and Phenom Georgia Karagiorgi (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH7X
1:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
2:00 pm	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH8X	Long-Baseline Oscillation Experiments Patricia Vale (One West WH1W)	Statistical Methods in Neutrino Physics Thomas R. Junk (One West WH1W)	Origin and Nature of Neutrino Mass I Goran Senjanović (One West WH1W)	Origin and Nature of Neutrino Mass II Goran Senjanović (One West WH1W)
3:00 pm	Break	Break	Break	Break	W&C break (WH2G)
4:00 pm	Break	Group Working Time (Astrum, Oscillation WH12NW, Fermilab West WH8X)	Fermilab Colloquium Goran Senjanović (One West WH1W)	Group Working Time (Astrum, Oscillation WH12NW, Small dining room WH12SW)	Group Working Time (Astrum, Oscillation WH12NW, Small dining room WH12SW)
5:00 pm	Neutrino Detection I Mark Messier (One West WH1W)	Group Working Time (Astrum, Oscillation WH12NW, Small dining room WH12SW)	Group Working Time (Astrum, Oscillation WH12NW, Small dining room WH12SW)	Group Working Time (Astrum, Oscillation WH12NW, Small dining room WH12SW)	Group Working Time (Astrum, Oscillation WH12NW, Small dining room WH12SW)
6:00 pm	Organize working groups				
7:00 pm	Welcome reception (Astrum)	Poster Session (Astrum)		BBQ Dinner (Bosse Super WH at 6:30 pm)	
8:00 pm					Optional pub crawl near hotel
9:00 pm					

Week 2

	Monday 12th August	Tuesday 13th August	Wednesday 14th August	Thursday 15th August	Friday 16th August
9:00 am	Direct Neutrino Mass Measurements Cheryl Patrick (One West WH1W)	Lepton-Nucleus Cross Section Theory Noemi Rocco (One West WH1W)	Particle Astrophysics with High-Energy Neutrinos Francis Halzen (One West WH1W)	Experimental Searches for Exotic Phenomena Ornella Palmara (One West WH1W)	
10:00 am	Break	Break	Break	Break	Neutrino Cosmology Yvonne Wang (One West WH1W)
11:00 am	Neutrinoless Double-Beta Decay Experiments Cheryl Patrick (One West WH1W)	Neutrino Cross Section Experiments Kendall Mahn (One West WH1W)	Student Presentations (One West WH1W)	Student Presentations (One West WH1W)	Lunch break (Fermilab Cafeteria)
12:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
1:00 pm	Neutrino Beams and Fluxes Kendall Mahn (One West WH1W)	Origin and Nature of Neutrino Mass III Goran Senjanović (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH1E	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH5X	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH13NW
2:00 pm	Break	Break	Break	Break	W&C break (WH2G)
3:00 pm	Group Working Time (Astrum, Oscillation WH12NW, Small dining room WH12SW)	Group Working Time (Astrum, Oscillation WH12NW, Small dining room WH12SW)	Fermilab Colloquium Yvonne Wang (One West WH1W)	Student Presentations (One West WH1W)	Wine & Cheese seminar (One West WH1W)
4:00 pm	Neutrinos and nuclear non-proliferation Bryce Littlejohn (One West WH1W)			Final School Dinner at Two Brothers Roundhouse (Bosse Super WH at 6:30 pm)	
5:00 pm					
6:00 pm					
7:00 pm					
8:00 pm					
9:00 pm					

School overview

- Total of 23 lecture sessions on topics across neutrino physics
- 10.5 hours of scheduled working group time
- Student presentations of group work
- Tours and tutorials
- Poster session
- Three scheduled social events
- Special interest session
 - Neutrinos and non-proliferation

Week 1

	Monday 5th August	Tuesday 6th August	Wednesday 7th August	Thursday 8th August	Friday 9th August
9:00 am	Welcome	Neutrino Detection II	Solar and Reactor Neutrino Theory	Theories Beyond the SM and Neutrinos	Introduction to Leptogenesis
10:00 am	Intro. to the Physics of Massive Neutrinos I Mark Messier (One West WH1W) Concha González-García (One West WH1W)	Break	Break	Break	Break
11:00 am	Break	Phenom. of Atmos. and Accel. Neutrinos	Solar and Reactor Neutrino Experiments	Short-Baseline Expts. and Phenom	Tours 1 – 4 Meet in front of atrium
12:00 pm	Intro. to the Physics of Massive Neutrinos II Concha González-García (One West WH1W)	Concha González-García (One West WH1W)	Bryce Littlejohn (One West WH1W)	Georgia Karagiorgi (One West WH1W)	Science Commun. Tutorial WH7X
1:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
2:00 pm	Tours 1 – 4 Meet in front of atrium	Long-Baseline Oscillation Experiments	Statistical Methods in Neutrino Physics	Origin and Nature of Neutrino Mass I	Origin and Nature of Neutrino Mass II
3:00 pm	Science Commun. Tutorial WH8X	Patricia Valle (One West WH1W)	Thomas R. Junk (One West WH1W)	Goran Senjanović (One West WH1W)	Goran Senjanović (One West WH1W)
4:00 pm	Break	Break	Break	Break	W&C break (WH2G)
5:00 pm	Neutrino Detection I Mark Messier (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH12NW) Small dining room WH12W)	Fermilab Colloquium Goran Senjanović (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH12NW) Small dining room WH12W)	Group Working Time (Atrium, Oscillatorium WH12NW) Small dining room WH12W)
6:00 pm	Organize working groups		Group Working Time (Atrium, Oscillatorium WH12NW) Small dining room WH12W)		
7:00 pm	Welcome reception (Atrium)	Poster Session (Atrium)		BBQ Dinner (Bosse Super WH at 6:30 pm)	
8:00 pm					Optional pub crawl near hotel
9:00 pm					

Week 2

	Monday 12th August	Tuesday 13th August	Wednesday 14th August	Thursday 15th August	Friday 16th August
9:00 am	Direct Neutrino Mass Measurements	Lepton-Nucleus Cross Section Theory	Particle Astrophysics with High-Energy Neutrinos	Experimental Searches for Exotic Phenomena	
10:00 am	Cheryl Patrick (One West WH1W)	Noemi Rocco (One West WH1W)	Francis Halzen (One West WH1W)	Ornella Palmara (One West WH1W)	
11:00 am	Break	Break	Break	Break	Neutrino Cosmology
12:00 pm	Neutrinoless Double-Beta Decay Experiments	Neutrino Cross Section Experiments	Student Presentations	Student Presentations	Yvonne Wong (One West WH1W)
1:00 pm	Cheryl Patrick (One West WH1W)	Kendall Mahn (One West WH1W)	Student Presentations	Student Presentations	Lunch break (Fermilab Cafeteria)
2:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
3:00 pm	Neutrino Beams and Fluxes	Origin and Nature of Neutrino Mass III	Tours 1 – 4 Meet in front of atrium	Tours 1 – 4 Meet in front of atrium	Tours 1 – 4 Meet in front of atrium
4:00 pm	Kendall Mahn (One West WH1W)	Goran Senjanović (One West WH1W)	Science Commun. Tutorial WH1E	Science Commun. Tutorial WH5X	Science Commun. Tutorial WH13NW
5:00 pm	Break	Break	Break	Break	W&C break (WH2G)
6:00 pm	Group Working Time (Atrium, Oscillatorium WH13NW) Small dining room WH13W)	Group Working Time (Atrium, Oscillatorium WH13NW) Small dining room WH13W)	Fermilab Colloquium Yvonne Wong (One West WH1W)	Student Presentations (One West WH1W)	Wine & Cheese seminar (One West WH1W)
7:00 pm	Neutrinos and nuclear non-proliferation Bryce Littlejohn (One West WH1W)			Final School Dinner at Two Brothers Roundhouse (Bosse Super WH at 6:30 pm)	
8:00 pm					
9:00 pm					

School overview

- INSS2019 group photo
 - 10:30 am on Tues, Aug 6
 - Immediately after morning lecture
 - Meet in front of atrium

	Monday 5th August	Tuesday 6th August	Wednesday 7th August	Thursday 8th August	Friday 9th August
9:00 am	Welcome	Neutrino Detection II	Solar and Reactor Neutrino Theory	Theories Beyond the SM and Neutrinos	Introduction to Leptogenesis
10:00 am	Intro. to the Physics of Massive Neutrinos I Mark Messier (One West WH1W) Concha González-García (One West WH1W)	Neutrino Detection II Mark Messier (One West WH1W) Concha González-García (One West WH1W)	Solar and Reactor Neutrino Theory Joachim Kopp (One West WH1W)	Theories Beyond the SM and Neutrinos Joachim Kopp (One West WH1W)	Introduction to Leptogenesis Jessica Turner (One West WH1W)
11:00 am	Break	Break	Break	Break	Break
12:00 pm	Intro. to the Physics of Massive Neutrinos II Concha González-García (One West WH1W)	Phenom. of Atmos. and Accel. Neutrinos Concha González-García (One West WH1W)	Solar and Reactor Neutrino Experiments Bryce Littlejohn (One West WH1W)	Short-Baseline Expts. and Phenom Georgia Karagiorgi (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH7X
1:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
2:00 pm	Tours 1 – 4 Meet in front of atrium	Long-Baseline Oscillation Experiments Patricia Vale (One West WH1W)	Statistical Methods in Neutrino Physics Thomas R. Junk (One West WH1W)	Origin and Nature of Neutrino Mass I Goran Senjanović (One West WH1W)	Origin and Nature of Neutrino Mass II Goran Senjanović (One West WH1W)
3:00 pm	Science Commun. Tutorial WH8X	Break	Break	Break	W&C break (WH2G)
4:00 pm	Break	Group Working Time (Atrium, Oscillatorium WH13NW, Fermilab West WH8X)	Fermilab Colloquium Goran Senjanović (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)
5:00 pm	Neutrino Detection I Mark Messier (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)
6:00 pm	Organize working groups				
7:00 pm	Welcome reception (Atrium)	Poster Session (Atrium)		BBQ Dinner (Buses depart WH at 8:00 pm)	
8:00 pm					Optional pub crawl near hotel
9:00 pm					

Week 1

	Monday 12th August	Tuesday 13th August	Wednesday 14th August	Thursday 15th August	Friday 16th August
9:00 am	Direct Neutrino Mass Measurements Cheryl Patrick (One West WH1W)	Lepton-Nucleus Cross Section Theory Noemi Rocco (One West WH1W)	Particle Astrophysics with High-Energy Neutrinos Francis Halzen (One West WH1W)	Experimental Searches for Exotic Phenomena Ornella Palamara (One West WH1W)	
10:00 am	Break	Break	Break	Break	Neutrino Cosmology
11:00 am	Neutrinoless Double-Beta Decay Experiments Cheryl Patrick (One West WH1W)	Neutrino Cross Section Experiments Kendall Mahn (One West WH1W)	Student Presentations (One West WH1W)	Student Presentations (One West WH1W)	Yvonne Wong (One West WH1W)
12:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
1:00 pm	Neutrino Beams and Fluxes Kendall Mahn (One West WH1W)	Origin and Nature of Neutrino Mass III Goran Senjanović (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH1E	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH13NW	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH13NW
2:00 pm	Break	Break	Break	Break	W&C break (WH2G)
3:00 pm	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)	Fermilab Colloquium Yvonne Wong (One West WH1W)	Student Presentations (One West WH1W)	Wine & Cheese seminar (One West WH1W)
4:00 pm	Neutrinos and nuclear non-proliferation Bryce Littlejohn (One West WH1W)			Final School Dinner at Two Brothers Roundhouse (Buses depart WH at 8:00 pm)	
5:00 pm					
6:00 pm					
7:00 pm					
8:00 pm					
9:00 pm					

Week 2

School overview

- **INSS2019 group photo**
 - 10:30 am on Tues, Aug 6
 - Immediately after morning lecture
 - Meet in front of atrium
- **Breaks**
 - 30 minutes in the morning and afternoon
 - 60 minutes for lunch

Week 1

	Monday 5th August	Tuesday 6th August	Wednesday 7th August	Thursday 8th August	Friday 9th August
9:00 am	Welcome	Neutrino Detection II	Solar and Reactor Neutrino Theory	Theories Beyond the SM and Neutrinos	Introduction to Leptogenesis
10:00 am	Intro. to the Physics of Massive Neutrinos I Mark Messier (One West WH1W) Concha González-García (One West WH1W)	Break Break photo on front of WH1	Break	Break	Break
11:00 am	Break	Phenom. of Atmos. and Accel. Neutrinos	Solar and Reactor Neutrino Experiments	Short-Baseline Expts. and Phenom	Tours 1 – 4 Meet in front of atrium
12:00 pm	Intro. to the Physics of Massive Neutrinos II Concha González-García (One West WH1W)	Concha González-García (One West WH1W)	Bryce Littlejohn (One West WH1W)	Georgia Karagiorgi (One West WH1W)	Science Commun. Tutorial WHTX
1:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
2:00 pm	Tours 1 – 4 Meet in front of atrium	Long-Baseline Oscillation Experiments	Statistical Methods in Neutrino Physics Thomas R. Junk (One West WH1W)	Origin and Nature of Neutrino Mass I Goran Senjanović (One West WH1W)	Origin and Nature of Neutrino Mass II Goran Senjanović (One West WH1W)
3:00 pm	Science Commun. Tutorial WHBX	Break	Break	Break	W&C break (WH2G)
4:00 pm	Break	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13SW)	Fermilab Colloquium Goran Senjanović (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13SW)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13SW)
5:00 pm	Neutrino Detection I Mark Messier (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13SW)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13SW)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13SW)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13SW)
6:00 pm	Organize working groups				
7:00 pm	Welcome reception (Atrium)	Poster Session (Atrium)		BBQ Dinner (Bosse Super WH at 6:30 pm)	
8:00 pm					Optional pub crawl near hotel
9:00 pm					

Week 2

	Monday 12th August	Tuesday 13th August	Wednesday 14th August	Thursday 15th August	Friday 16th August
9:00 am	Direct Neutrino Mass Measurements	Lepton-Nucleus Cross Section Theory	Particle Astrophysics with High-Energy Neutrinos	Experimental Searches for Exotic Phenomena	
10:00 am	Cheryl Patrick (One West WH1W)	Noemi Rocco (One West WH1W)	Francis Halzen (One West WH1W)	Ornella Palamara (One West WH1W)	
11:00 am	Break	Break	Break	Break	Neutrino Cosmology
12:00 pm	Neutrinoless Double-Beta Decay Experiments Cheryl Patrick (One West WH1W)	Neutrino Cross Section Experiments Kendall Mahn (One West WH1W)	Student Presentations (One West WH1W)	Student Presentations (One West WH1W)	Yvonne Wong (One West WH1W)
1:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
2:00 pm	Neutrino Beams and Fluxes Kendall Mahn (One West WH1W)	Origin and Nature of Neutrino Mass III Goran Senjanović (One West WH1W)	Tours 1 – 4 Meet in front of atrium	Tours 1 – 4 Meet in front of atrium	Tours 1 – 4 Meet in front of atrium
3:00 pm	Break	Break	Science Commun. Tutorial WH1E	Science Commun. Tutorial WH13NW	Science Commun. Tutorial WH13NW
4:00 pm	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13SW)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13SW)	Break	Break	W&C break (WH2G)
5:00 pm	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13SW)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13SW)	Fermilab Colloquium Yvonne Wong (One West WH1W)	Student Presentations (One West WH1W)	Wine & Cheese seminar (One West WH1W)
6:00 pm	Neutrinos and nuclear non-proliferation Bryce Littlejohn (One West WH1W)			Final School Dinner at Two Brothers Roundhouse (Bosse Super WH at 6:30 pm)	
7:00 pm					
8:00 pm					
9:00 pm					

Other activities

Week 1

	Monday 5th August	Tuesday 6th August	Wednesday 7th August	Thursday 8th August	Friday 9th August
9:00 am	Welcome	Neutrino Detection II Mark Messier (One West WH1W)	Solar and Reactor Neutrino Theory Joachim Kopp (One West WH1W)	Theories Beyond the SM and Neutrinos Joachim Kopp (One West WH1W)	Introduction to Leptogenesis Jessica Turner (One West WH1W)
10:00 am	Intro. to the Physics of Massive Neutrinos I Concha González-García (One West WH1W)	Break Break (shortly on top of WH1)	Break	Break	Break
11:00 am	Break	Phenom. of Atmos. and Accel. Neutrinos Concha González-García (One West WH1W)	Solar and Reactor Neutrino Experiments Bryce Littlejohn (One West WH1W)	Short-Baseline Expts. and Phenom Georgia Karagiorgi (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WHTX
12:00 pm	Intro. to the Physics of Massive Neutrinos II Concha González-García (One West WH1W)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
1:00 pm	Lunch break (Fermilab Cafeteria)	Long-Baseline Oscillation Experiments Patricia Vale (One West WH1W)	Statistical Methods in Neutrino Physics Thomas R. Junk (One West WH1W)	Origin and Nature of Neutrino Mass I Goran Senjanović (One West WH1W)	Origin and Nature of Neutrino Mass II Goran Senjanović (One West WH1W)
2:00 pm	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WHBX	Break	Break	Break	W&C break (WH2G)
3:00 pm	Break	Group Working Time (Atrium, Oscillatorium WH13NW, Break's Nest WH8X)	Fermilab Colloquium Goran Senjanović (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)
4:00 pm	Neutrino Detection I Mark Messier (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)
5:00 pm	Organize working groups				
6:00 pm	Welcome reception (Atrium)	Poster Session (Fermilab Cafeteria)		BBQ Dinner (Buses depart WH at 6:00 pm)	
7:00 pm					Optional pub crawl near hotel
8:00 pm					
9:00 pm					

Week 2

	Monday 12th August	Tuesday 13th August	Wednesday 14th August	Thursday 15th August	Friday 16th August
9:00 am	Direct Neutrino Mass Measurements Cheryl Patrick (One West WH1W)	Lepton-Nucleus Cross Section Theory Noemi Rocco (One West WH1W)	Particle Astrophysics with High-Energy Neutrinos Francis Halzen (One West WH1W)	Experimental Searches for Exotic Phenomena Ornella Palmara (One West WH1W)	
10:00 am	Break	Break	Break	Break	Neutrino Cosmology Yvonne Wong (One West WH1W)
11:00 am	Neutrinoless Double-Beta Decay Experiments Cheryl Patrick (One West WH1W)	Neutrino Cross Section Experiments Kendall Mahn (One West WH1W)	Student Presentations (One West WH1W)	Student Presentations (One West WH1W)	Lunch break (Fermilab Cafeteria)
12:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
1:00 pm	Neutrino Beams and Fluxes Kendall Mahn (One West WH1W)	Origin and Nature of Neutrino Mass III Goran Senjanović (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH1E	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH8X	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH13NW
2:00 pm	Break	Break	Break	Break	W&C break (WH2G)
3:00 pm	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13RW)	Fermilab Colloquium Yvonne Wong (One West WH1W)	Student Presentations (One West WH1W)	Wine & Cheese seminar (One West WH1W)
4:00 pm	Neutrinos and nuclear non-proliferation Bryce Littlejohn (online)			Final School Dinner at Two Brothers Roundhouse (Buses depart WH at 6:00 pm)	
5:00 pm					
6:00 pm					
7:00 pm					
8:00 pm					
9:00 pm					

Other activities

- Fermilab Colloquium
 - Presented by INSS2019 lecturers
 - Goran Senjanović
 - Yvonne Wong
 - Neutrino-related topics aimed at the broader Fermilab community

	Monday 5th August	Tuesday 6th August	Wednesday 7th August	Thursday 8th August	Friday 9th August
9:00 am	Welcome	Neutrino Detection II Mark Messier (One West WH1W)	Solar and Reactor Neutrino Theory Joachim Kopp (One West WH1W)	Theories Beyond the SM and Neutrinos Joachim Kopp (One West WH1W)	Introduction to Leptogenesis Jessica Turner (One West WH1W)
10:00 am	Intro. to the Physics of Massive Neutrinos I Concha González-García (One West WH1W)	Break	Break	Break	Break
11:00 am	Break	Phenom. of Atmos. and Accel. Neutrinos Concha González-García (One West WH1W)	Solar and Reactor Neutrino Experiments Bryce Littlejohn (One West WH1W)	Short-Baseline Expts. and Phenom Georgia Karagiorgi (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WHTX
12:00 pm	Intro. to the Physics of Massive Neutrinos II Concha González-García (One West WH1W)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
1:00 pm	Lunch break (Fermilab Cafeteria)	Long-Baseline Oscillation Experiments Patricia Vale (One West WH1W)	Statistical Methods in Neutrino Physics Thomas R. Junk (One West WH1W)	Origin and Nature of Neutrino Mass I Goran Senjanović (One West WH1W)	Origin and Nature of Neutrino Mass II Goran Senjanović (One West WH1W)
2:00 pm	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WHTX	Break	Break	Break	W&C break (WH2G)
3:00 pm	Break	Group Working Time (Atrium, Oscillatorium WH13NW) Small dining room WH13W	Fermilab Colloquium Goran Senjanović (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH13NW) Small dining room WH13W	Group Working Time (Atrium, Oscillatorium WH13NW) Small dining room WH13W
4:00 pm	Neutrino Detection I Mark Messier (One West WH1W)	Break	Break	Break	Break
5:00 pm	Organize working groups	Poster Session (Atrium)	BBQ Dinner (Blosser Chapel WH at 6:00 pm)	BBQ Dinner (Blosser Chapel WH at 6:00 pm)	Optional pub crawl near hotel
6:00 pm	Welcome reception (Atrium)				
7:00 pm					
8:00 pm					
9:00 pm					

Week 1

	Monday 12th August	Tuesday 13th August	Wednesday 14th August	Thursday 15th August	Friday 16th August
9:00 am	Direct Neutrino Mass Measurements Cheryl Patrick (One West WH1W)	Lepton-Nucleus Cross Section Theory Noemi Rocco (One West WH1W)	Particle Astrophysics with High-Energy Neutrinos Francis Halzen (One West WH1W)	Experimental Searches for Exotic Phenomena Ornella Palamara (One West WH1W)	
10:00 am	Break	Break	Break	Break	Neutrino Cosmology Yvonne Wong (One West WH1W)
11:00 am	Neutrinoless Double-Beta Decay Experiments Cheryl Patrick (One West WH1W)	Neutrino Cross Section Experiments Kendall Mahn (One West WH1W)	Student Presentations (One West WH1W)	Student Presentations (One West WH1W)	Lunch break (Fermilab Cafeteria)
12:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
1:00 pm	Neutrino Beams and Fluxes Kendall Mahn (One West WH1W)	Origin and Nature of Neutrino Mass III Goran Senjanović (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH1E	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH13NW	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH13NW
2:00 pm	Break	Break	Break	Break	W&C break (WH2G)
3:00 pm	Group Working Time (Atrium, Oscillatorium WH13NW) Small dining room WH13W	Group Working Time (Atrium, Oscillatorium WH13NW) Small dining room WH13W	Fermilab Colloquium Yvonne Wong (One West WH1W)	Student Presentations (One West WH1W)	Wine & Cheese seminar (One West WH1W)
4:00 pm	Neutrinos and nuclear non-proliferation Bryce Littlejohn			Final School Dinner at Two Brothers Roundhouse (Blosser Chapel WH at 6:00 pm)	
5:00 pm					
6:00 pm					
7:00 pm					
8:00 pm					
9:00 pm					

Week 2

Other activities

- Fermilab Colloquium
- Joint Experimental-Theoretical Seminar
 - Friday at 4:00 pm in WH1W
 - (Working group time scheduled over Aug 9 seminar)

Week 1

	Monday 5th August	Tuesday 6th August	Wednesday 7th August	Thursday 8th August	Friday 9th August
9:00 am	Welcome	Neutrino Detection II	Solar and Reactor Neutrino Theory	Theories Beyond the SM and Neutrinos	Introduction to Leptogenesis
10:00 am	Intro. to the Physics of Massive Neutrinos I Mark Messier (One West WH1W) Concha González-García (One West WH1W)	Break	Joachim Kopp (One West WH1W)	Joachim Kopp (One West WH1W)	Jessica Turner (One West WH1W)
11:00 am	Break	Phenom. of Atmos. and Accel. Neutrinos	Solar and Reactor Neutrino Experiments	Short-Baseline Expts. and Phenom	Break
12:00 pm	Intro. to the Physics of Massive Neutrinos II Concha González-García (One West WH1W)	Concha González-García (One West WH1W)	Bryce Littlejohn (One West WH1W)	Georgia Karagiorgi (One West WH1W)	Tours 1 – 4 Meet in front of atrium
1:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Science Commun. Tutorial WH1X
2:00 pm	Tours 1 – 4 Meet in front of atrium	Long-Baseline Oscillation Experiments	Statistical Methods in Neutrino Physics	Origin and Nature of Neutrino Mass I	Origin and Nature of Neutrino Mass II
3:00 pm	Science Commun. Tutorial WH1X	Patricia Vale (One West WH1W)	Thomas R. Junk (One West WH1W)	Goran Senjanović (One West WH1W)	Goran Senjanović (One West WH1W)
4:00 pm	Break	Break	Break	Break	W&C break (WH2G)
5:00 pm	Neutrino Detection I Mark Messier (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)	Fermilab Colloquium Goran Senjanović (One West WH1W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)
6:00 pm	Organize working groups		Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)		
7:00 pm	Welcome reception (Atrium)	Poster Session (Atrium)		BBQ Dinner (Bosse Super WH at 6:30 pm)	
8:00 pm					Optional pub crawl near hotel
9:00 pm					

Week 2

	Monday 12th August	Tuesday 13th August	Wednesday 14th August	Thursday 15th August	Friday 16th August
9:00 am	Direct Neutrino Mass Measurements	Lepton-Nucleus Cross Section Theory	Particle Astrophysics with High-Energy Neutrinos	Experimental Searches for Exotic Phenomena	
10:00 am	Cheryl Patrick (One West WH1W)	Noemi Rocco (One West WH1W)	Francis Halzen (One West WH1W)	Ornella Palamara (One West WH1W)	
11:00 am	Break	Break	Break	Break	Neutrino Cosmology
12:00 pm	Neutrinoless Double-Beta Decay Experiments	Neutrino Cross Section Experiments	Student Presentations	Student Presentations	Yvonne Wong (One West WH1W)
1:00 pm	Cheryl Patrick (One West WH1W)	Kendall Mahn (One West WH1W)	Student Presentations (One West WH1W)	Student Presentations (One West WH1W)	Lunch break (Fermilab Cafeteria)
2:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
3:00 pm	Neutrino Beams and Fluxes	Origin and Nature of Neutrino Mass III	Tours 1 – 4 Meet in front of atrium	Tours 1 – 4 Meet in front of atrium	Tours 1 – 4 Meet in front of atrium
4:00 pm	Kendall Mahn (One West WH1W)	Goran Senjanović (One West WH1W)	Science Commun. Tutorial WH1E	Science Commun. Tutorial WH1X	Science Commun. Tutorial WH13NW
5:00 pm	Break	Break	Break	Break	W&C break (WH2G)
6:00 pm	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oscillatorium WH13NW, Small dining room WH13W)	Fermilab Colloquium Yvonne Wong (One West WH1W)	Student Presentations (One West WH1W)	Wine & Cheese seminar (One West WH1W)
7:00 pm	Neutrinos and nuclear non-proliferation			Final School Dinner at Two Brothers Roundhouse (Bosse Super WH at 6:30 pm)	
8:00 pm					
9:00 pm					

Other activities

- Fermilab Colloquium
- Joint Experimental-Theoretical Physics Seminar
 - Friday at 4:00 pm in WH1W
 - (Working group time scheduled over Aug 9 seminar)
- Wine and cheese break
 - Served at 3:30 pm on Friday prior to JETP
 - WH2X (up the stairs on the south end of the atrium)

Week 1

	Monday 5th August	Tuesday 6th August	Wednesday 7th August	Thursday 8th August	Friday 9th August
9:00 am	Welcome	Neutrino Detection II	Solar and Reactor Neutrino Theory	Theories Beyond the SM and Neutrinos	Introduction to Leptogenesis
10:00 am	Intro. to the Physics of Massive Neutrinos I Mark Messier (One West WH1W) Concha González-García (One West WH1W)	Neutrino Detection II Mark Messier (One West WH1W)	Solar and Reactor Neutrino Theory Joachim Kopp (One West WH1W)	Theories Beyond the SM and Neutrinos Joachim Kopp (One West WH1W)	Introduction to Leptogenesis Jessica Turner (One West WH1W)
11:00 am	Break	Break	Break	Break	Break
12:00 pm	Intro. to the Physics of Massive Neutrinos II Concha González-García (One West WH1W)	Phenom. of Atmos. and Accel. Neutrinos Concha González-García (One West WH1W)	Solar and Reactor Neutrino Experiments Bryce Littlejohn (One West WH1W)	Short-Baseline Expts. and Phenom Georgia Karagiorgi (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH7X
1:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
2:00 pm	Tours 1 – 4 Meet in front of atrium	Long-Baseline Oscillation Experiments Patricia Vale (One West WH1W)	Statistical Methods in Neutrino Physics Thomas R. Junk (One West WH1W)	Origin and Nature of Neutrino Mass I Goran Senjanović (One West WH1W)	Origin and Nature of Neutrino Mass II Goran Senjanović (One West WH1W)
3:00 pm	Science Commun. Tutorial WH8X	Break	Break	Break	W&C break (WH2X)
4:00 pm	Break	Group Working Time (Atrium, Oaklathum WH13NW, Hornet's Nest WH8X)	Fermilab Colloquium Goran Senjanović (One West WH1W)	Group Working Time (Atrium, Oaklathum WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oaklathum WH13NW, Small dining room WH13W)
5:00 pm	Neutrino Detection I Mark Messier (One West WH1W)	Group Working Time (Atrium, Oaklathum WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oaklathum WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oaklathum WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oaklathum WH13NW, Small dining room WH13W)
6:00 pm	Organize working groups				
7:00 pm	Welcome reception (Atrium)	Poster Session (Atrium)		BBQ Dinner (Blosser Chapel WH at 6:30 pm)	
8:00 pm					Optional pub crawl near hotel
9:00 pm					

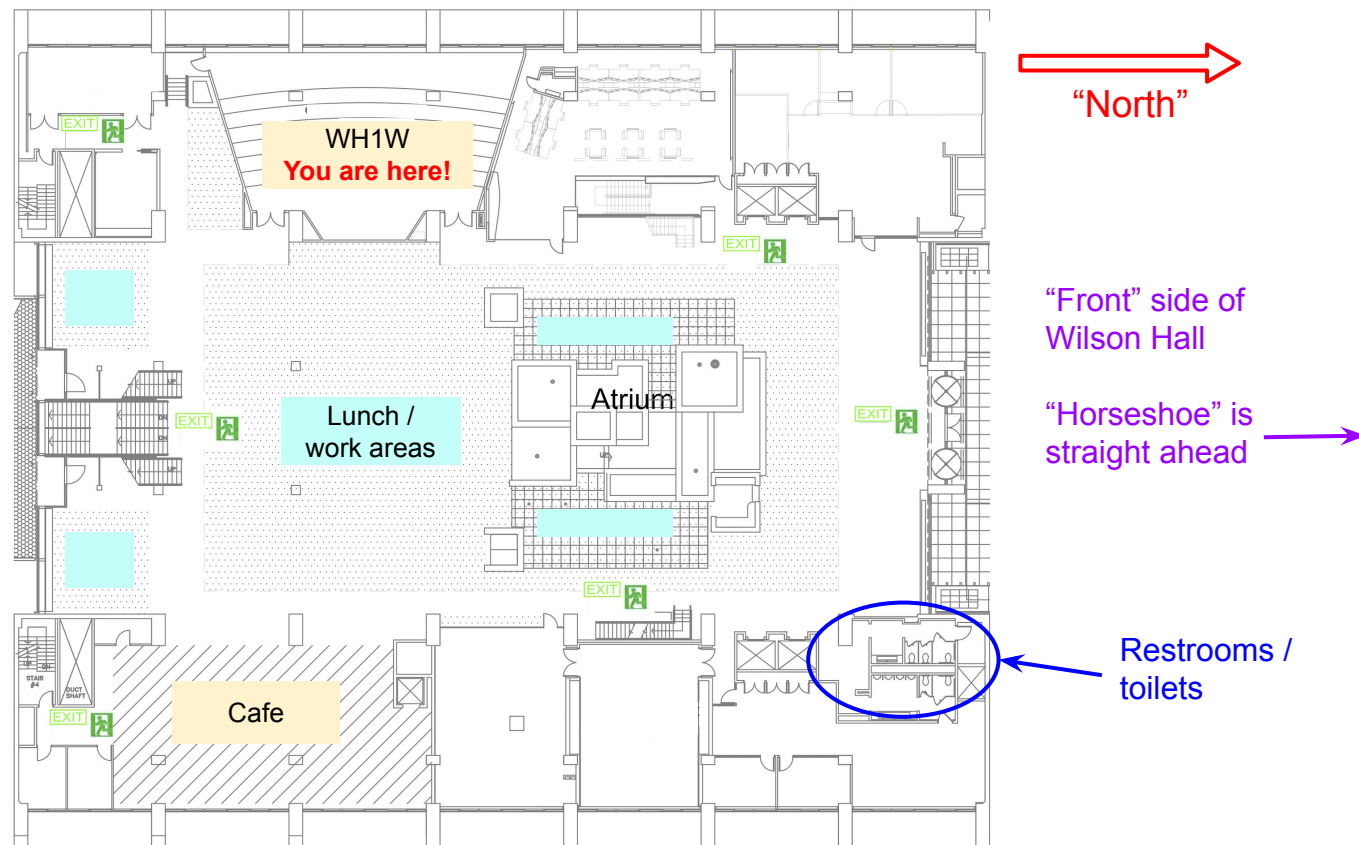
Week 2

	Monday 12th August	Tuesday 13th August	Wednesday 14th August	Thursday 15th August	Friday 16th August
9:00 am	Direct Neutrino Mass Measurements Cheryl Patrick (One West WH1W)	Lepton-Nucleus Cross Section Theory Naomi Rocco (One West WH1W)	Particle Astrophysics with High-Energy Neutrinos Francis Halzen (One West WH1W)	Experimental Searches for Exotic Phenomena Ornella Palamara (One West WH1W)	
10:00 am	Break	Break	Break	Break	Neutrino Cosmology Yvonne Wang (One West WH1W)
11:00 am	Neutrinoless Double-Beta Decay Experiments Cheryl Patrick (One West WH1W)	Neutrino Cross Section Experiments Kendall Mahn (One West WH1W)	Student Presentations (One West WH1W)	Student Presentations (One West WH1W)	Lunch break (Fermilab Cafeteria)
12:00 pm	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)	Lunch break (Fermilab Cafeteria)
1:00 pm	Neutrino Beams and Fluxes Kendall Mahn (One West WH1W)	Origin and Nature of Neutrino Mass III Goran Senjanović (One West WH1W)	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH1E	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH6X	Tours 1 – 4 Meet in front of atrium Science Commun. Tutorial WH13NW
2:00 pm	Break	Break	Break	Break	W&C break (WH2X)
3:00 pm	Group Working Time (Atrium, Oaklathum WH13NW, Small dining room WH13W)	Group Working Time (Atrium, Oaklathum WH13NW, Small dining room WH13W)	Fermilab Colloquium Yvonne Wang (One West WH1W)	Student Presentations (One West WH1W)	Wine & Cheese seminar (One West WH1W)
4:00 pm	Neutrinos and nuclear non-proliferation Bryce Littlejohn (One West WH1W)			Final School Dinner at Two Brothers Roundhouse (Blosser Chapel WH at 6:30 pm)	
5:00 pm					
6:00 pm					
7:00 pm					
8:00 pm					
9:00 pm					

Logistics and other information

Orienting

Wilson Hall Atrium Level Floor Plan



Note: Rooms in Wilson Hall (WH) are designated according to the side of the building (E/W/X) and the floor. E.g., WH2X

Orienting

Wilson Hall

Users Center,
Frontier Pub,
Kuhn Barn

“Site North”



Buses

EVENT DATE	AM PICK UP at Courtyard*	PM PICK UP at Fermilab Horseshoe**	PM PICK UP at Two Brothers Roundhouse
August 5	8:15 a.m.	8:00 p.m.	
August 6	8:15 a.m.	8:00 p.m.	
August 7	8:15 a.m.	6:00 p.m.	
August 8	8:15 a.m.	6:00 p.m.	
August 9	8:15 a.m.	6:00 p.m.	
August 12	8:15 a.m.	7:00 p.m.	
August 13	8:15 a.m.	6:00 p.m.	
August 14	8:15 a.m.	5:00 p.m.	
August 15	8:15 a.m.	5:30 p.m. ***	8:00 p.m.
August 16	9:15 a.m.		

Posted on indico page

Fermilab ID badging process

Students should pick up Fermilab ID badges from the User's Office

- located on the Mezzanine (between Ground Floor and Atrium levels on north end)

Proceed in groups during breaks and lunch

- One group during morning and afternoon breaks
- Two groups during lunch separated by 30 minutes

List is posted under Logistics and On-the-ground Information page on INSS2019 indico site

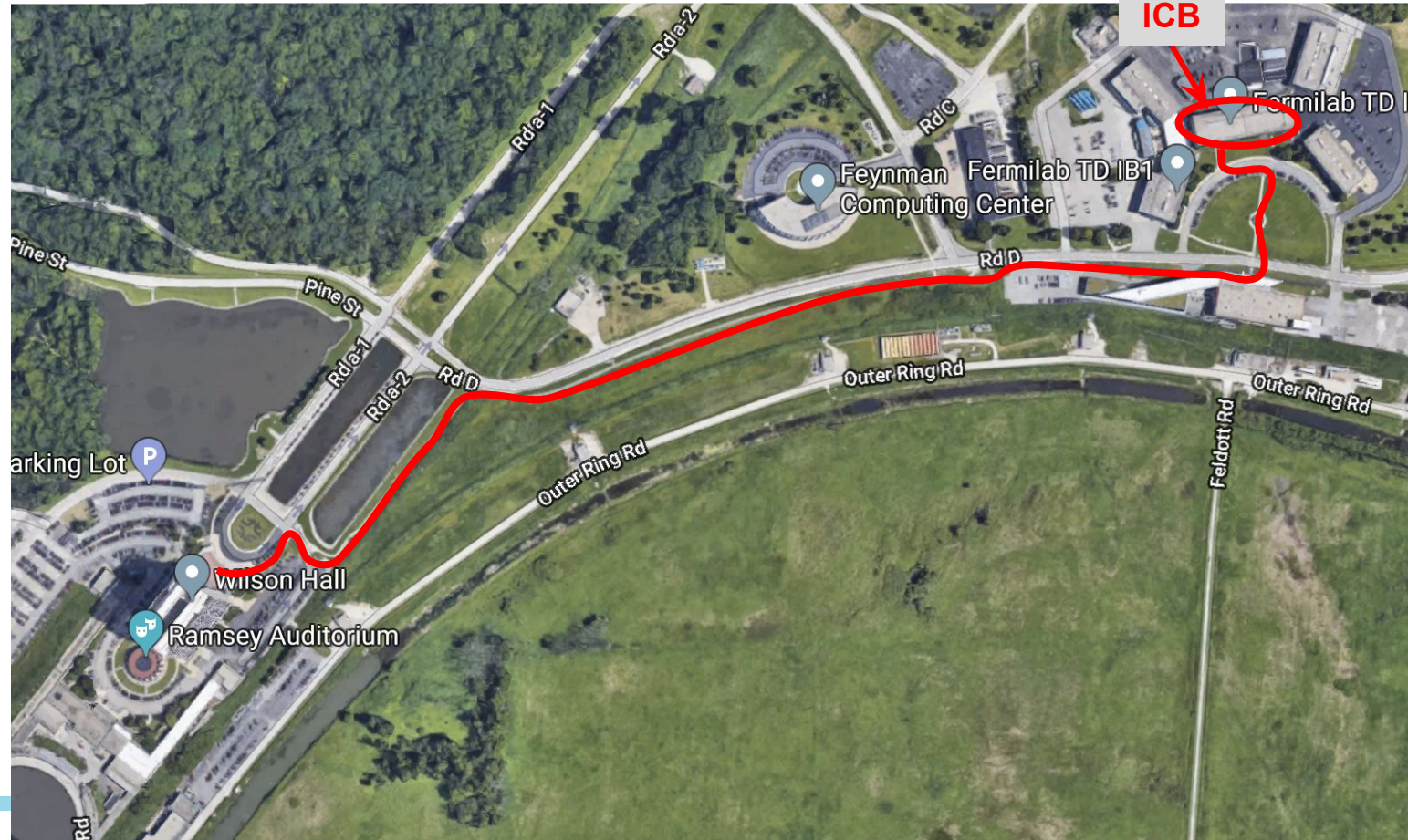
Group 1 Aug 5, 11:00 am	Group 2 Aug 5, 1:00 pm	Group 3 Aug 5, 1:30 pm	Group 4 Aug 5, 4:00 pm
ANDRADE, Diego	BROOKS, Thomas	FILKINS, Amy	LACKEY, Teresa
ASCENCIO, Marvin V.	CABABIE, Mariano Ruben	GE, Guanqun	LAZAR, Jeffrey
ASQUITH, Lily	CALCUTT, Jacob	GELLI, Bruno	LAZU, Ryan
ATKIN, Edward	CARO TERRAZAS, Ivan	GILLIGAN, Sean	LEE, DongHa
BABICZ, Marta	CHARDONNET, Etienne	GOODWIN, Owen	LEONARD, Kayla
BALASUBRAMANIAN, Supraja	COFFANI, Alice	GROH, Micah	LOZANO SÁNCHEZ, Adrian
BARROW, Joshua	CONTRERAS, Taylor	HALL, Anna	MACHADO, Eric
BASHYAL, Amit	DALAGER, Olivia	HENRY, Sarah	MARTINEZ CASALES, Maria
BASQUE, Vincent	DANIELSON, Daine	HERRERO-GÓMEZ, Pablo	MARTIN, Joshua
BENEVIDES RODRIGUES, Ohana	DE ICAZA ASTIZ, Iker	HOEFKEN, Jaime	MASON, Katie
BODUR, Baran	DOYLE, Derek	JAKKAPU, Mahesh	MILLER, Katrina
BRIANNE, Eldwan	DUEÑAS, David	JWA, Yeon-jae	MUELLER, Justin
Group 5 Aug 6, 10:45 am	Group 6 Aug 6, 12:30 pm	Group . 7 Aug 6, 1:00 pm	Group 8 Aug 6, 3:00 pm
MUKHOPADHYAY, Mainak	RAHAT, Moinul Hossain	SHARMA, Vivek	VANN, Jared
MULDER, Kevin	RICE, Logan	SMITH, Adryanna	WANG, Yue
MU, Wei	RIGAN, Michal	SOLDIN, Philipp	WESTER, Thomas
PAL, Kuntal	RODRIGUES ROSSI, Rafaela	SOUZA, Henrique	WOOD, Kevin
PARKER, William	ROSAURO ALCARAZ, Salvador	STOCKER, Francesca	WU, Wanwei
PATEL, Sameer	SAFA, Ibrahim	SUTTON, Kathryn	YATES, Lauren
PIPLANI, Nishtha	SANCHEZ FALERO, Sebastian	SWEENEY, Cathal	ZHANG, Kairui
PORTO SILVA, Yago Philippe	SARASTY, Carlos	SWORD-FEHLBERG, Samantha	ZHANG, Xining
PRAMANICK, Soumita	SAWY, Fatma Helal	SZTUC, Artur	ZHOU, Bei
PRINCE, Sebastien	SHAFQA, Sheeba	USÓN ANDRÉS, Alberto	
QUEIROGA BAZETTO, Maria Cecilia			
QUIRION, Kevin			

Tour and tutorial notes

Important information for those participating in tours

- Tour group assignments can be found on the INSS2019 indico site
 - Please check that to see which tour / tutorial you are scheduled to attend
- **All tour participants must wear closed-toe, low-heeled shoes**
- DØ Detector and NOvA / MINOS / MINERvA Underground tours
 - Shuttles will pick up in front of Wilson Hall
 - A few students may need alternative transportation. Let us know if you have a car
- SRF and SC magnet facilities, and Muon g-2 Experiment tours
 - Will walk from WH to the tour sites
 - Please let us know if a 10 to 15 minute walk outside will be a problem
- Tutorial attendees: check the schedule for the room assignment

Walking route to SRF and SC Magnet Facilities tour site



Meet at front of atrium. A guide will lead the way.

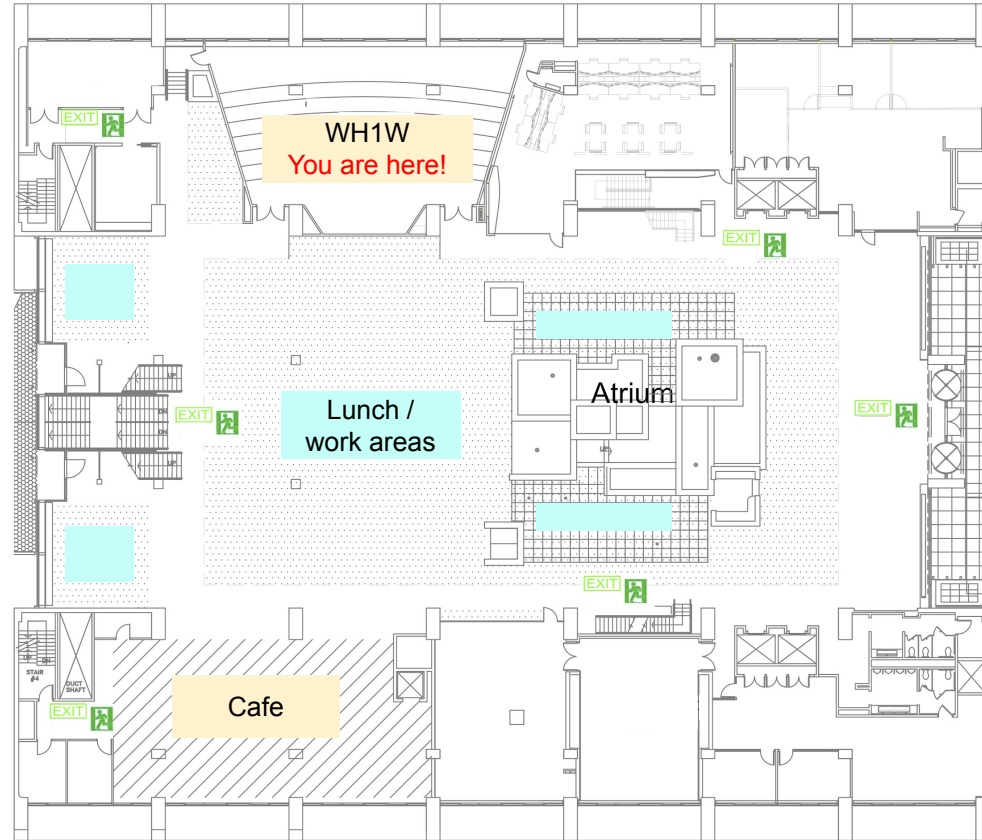
Walking route to Muon g-2 Experiment tour site

Meet at rear of atrium. A guide will lead the way.

**Muon g-2
experiment**

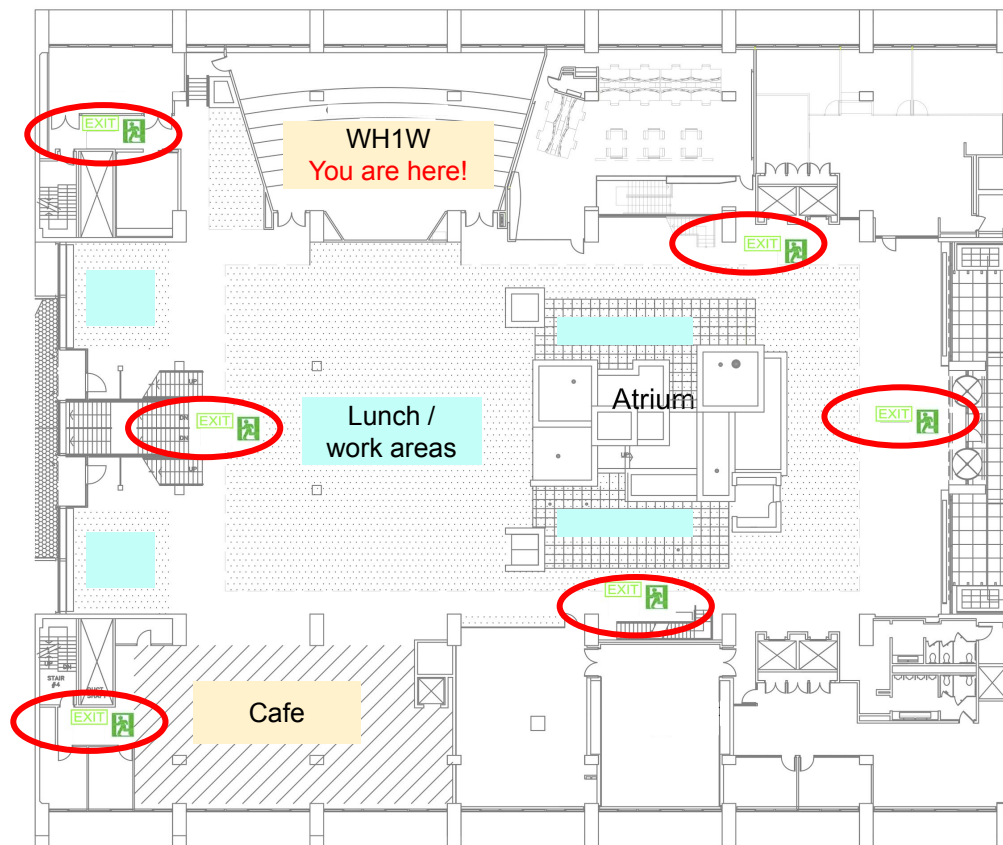


Emergency procedures



Emergency procedures

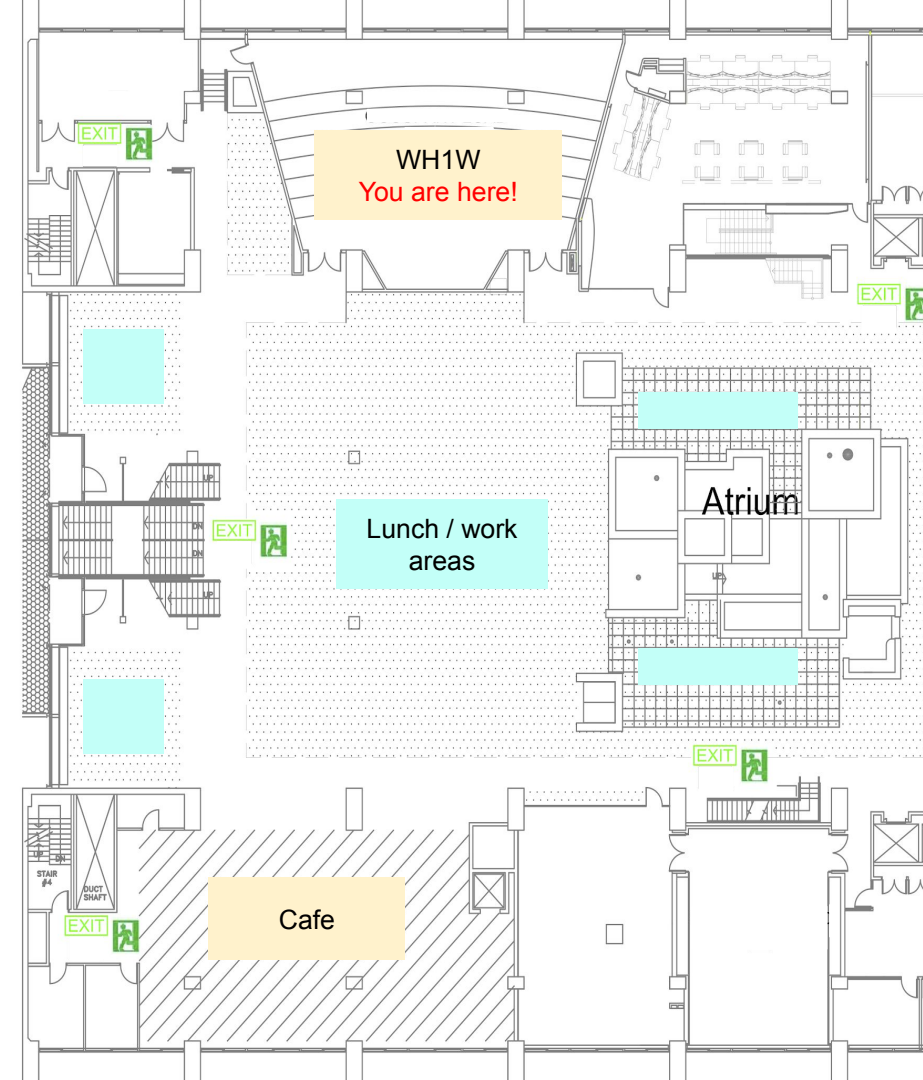
Atrium-level exits



Emergency procedures

Fire alarm

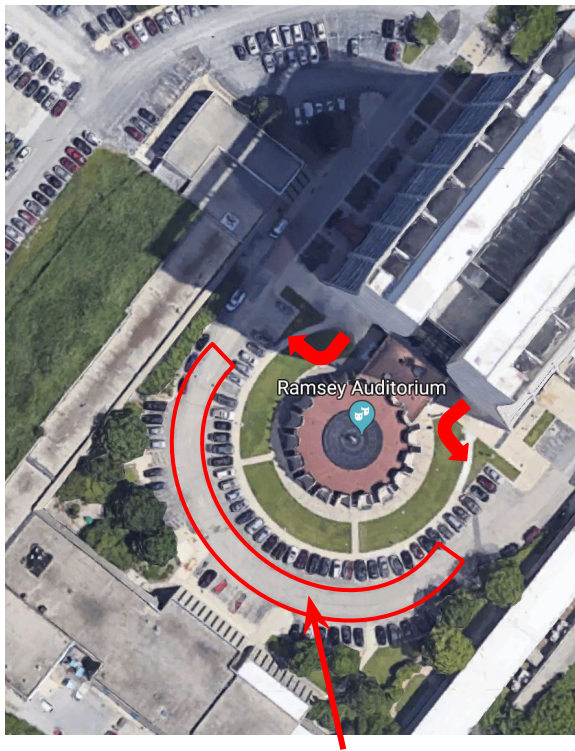
- Flashing strobes on alarm
- Three beeps followed by voice evacuation instructions



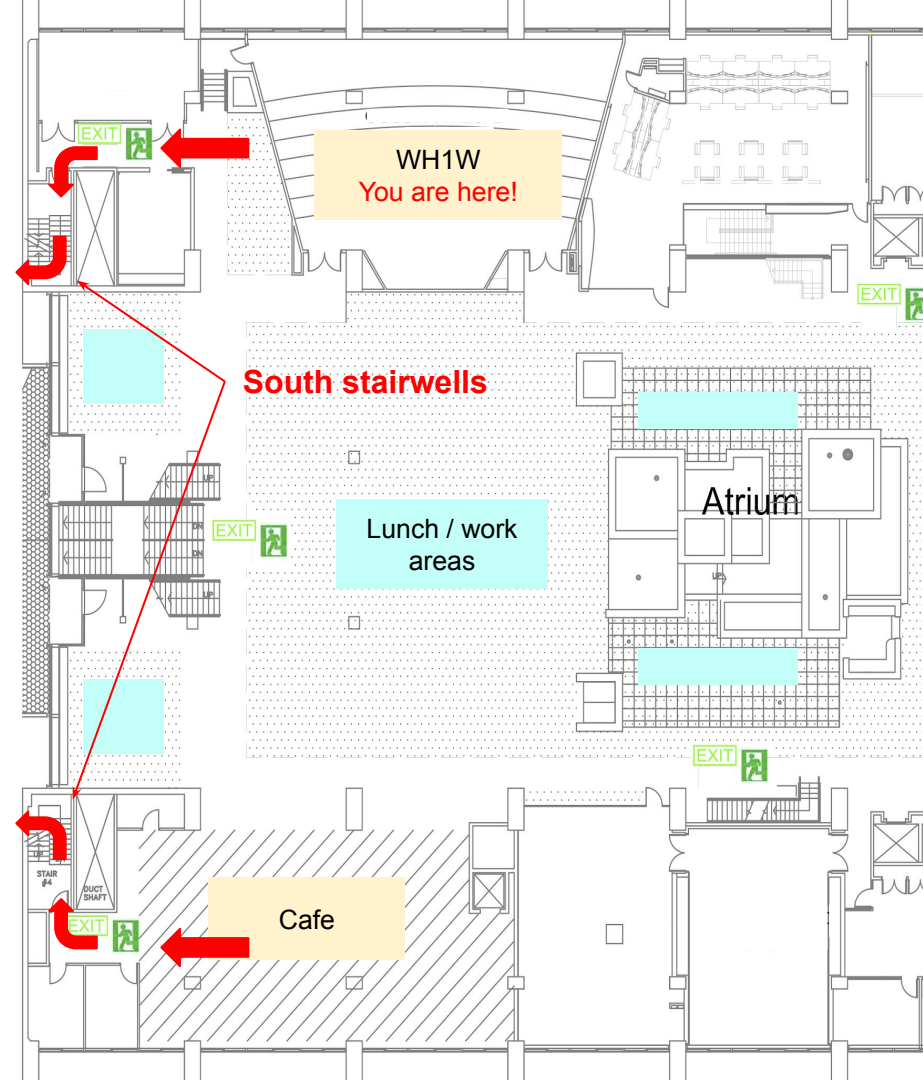
Emergency procedures

Atrium level fire evacuation routes

The south stairwells are also the route on most other floors



Once outside, gather in this area



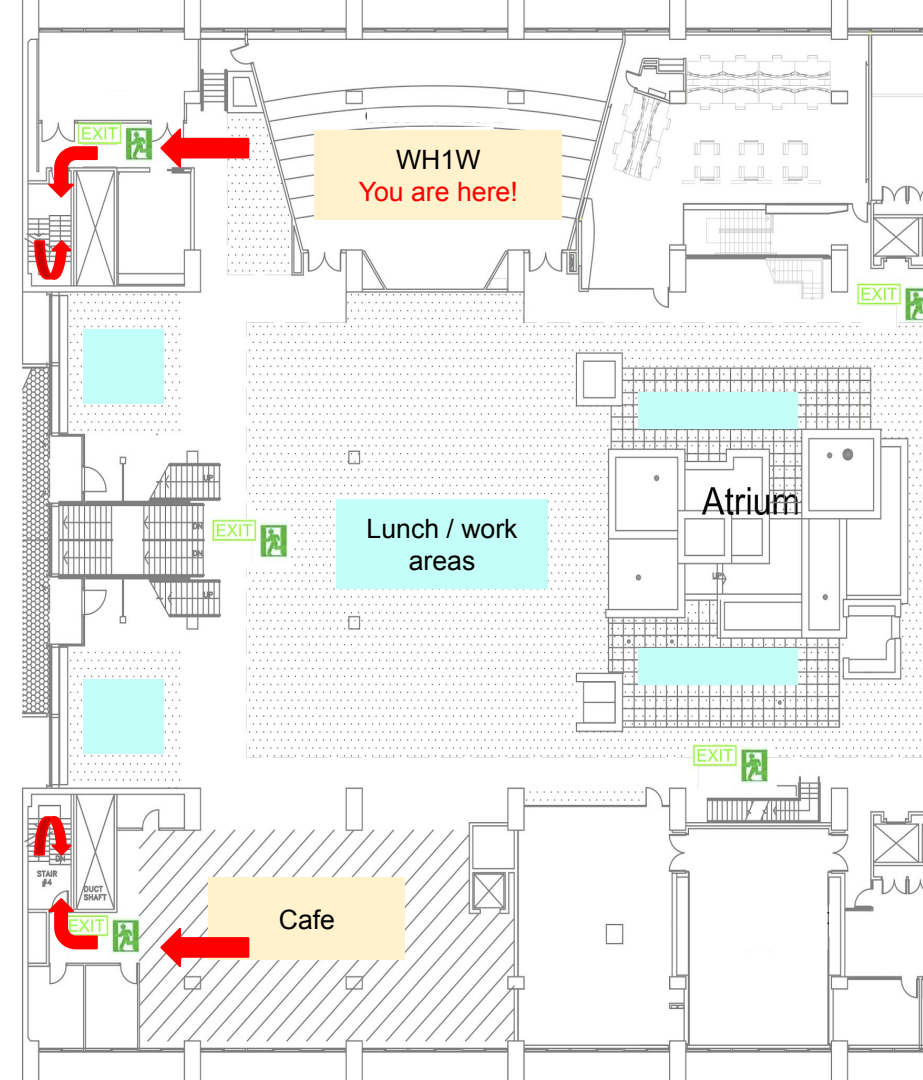
Emergency procedures

Tornado warning

- Issued over Site-wide Emergency Warning System (which will be tested tomorrow at 10 am!)
- Will be directed to proceed to tornado shelter

Wilson Hall tornado shelter

- Proceed to south stairwell
- Descend to basement tornado shelter area
 - Includes of the entire basement, tunnels



The people of INSS2019

- **Week 1**

- Concha González-Garcia
- Tom Junk
- Georgia Karagiorgi
- Joachim Kopp
- Bryce Littlejohn
- Mark Messier
- Goran Senjanović
- Jessica Turner
- Patricia Vahle



Most will be in attendance during the full week of their lecture(s). Talk to them!

- **Week 2**

- Francis Halzel
- Bryce Littlejohn
- Kendall Mahn
- Ornella Palamara
- Cheryl Patrick
- Noemi Rocco
- Goran Senjanović
- Yvonne Wong



Most will be in attendance during the full week of their lecture(s). Talk to them!

INSS2019 local organizing committee

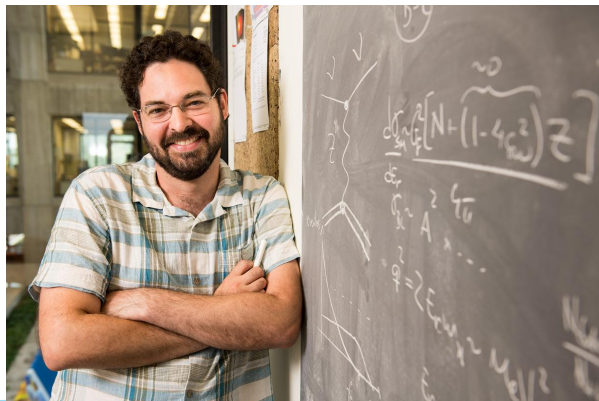


Kirsty Duffy

Look for
**Local
Committee**
on name tag



Laura Fields



Pedro Machado



Erica Snider, chair

INSS2019 conference coordinators

Joy Pomillo



Look for
**Conference
Coordinator**
on name tag



Melody Saperston

Questions? Comments? Suggestions?

- Find one of the organizing team
 - Local committee members
 - Conference coordinators
- Send email to inss2019@fnal.gov
- INSS2019 slack
 - Channel #asktheorganizers