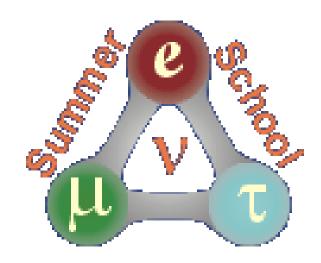
International Neutrino Summer School 2009



Report of Contributions

Contribution ID: 0 Type: Bus

Bus From Pheasant Run to Wilson Hall, Fermilab

Monday, 6 July 2009 08:00 (45 minutes)

Welcome

Contribution ID: 1 Type: Lecture

Welcome

Monday, 6 July 2009 08:45 (15 minutes)

Presenter: BRICE, Steve (Fermilab)

Contribution ID: 2 Type: Lecture

Standard Model I

Monday, 6 July 2009 09:00 (1h 15m)

Presenter: WILLENBROCK, Scott (University of Illinois, Urbana-Champaign)

The Framework I

Contribution ID: 3 Type: Lecture

The Framework I

Monday, 6 July 2009 10:45 (1h 15m)

Presenter: KAYSER, Boris (Fermilab)

Neutrino Sources

Contribution ID: 4 Type: Lecture

Neutrino Sources

Monday, 6 July 2009 13:00 (1h 15m)

Presenter: FORMAGGIO, Joe (MIT)

Contribution ID: 5 Type: Lecture

Detector Basics I

Monday, 6 July 2009 14:45 (1h 15m)

Presenter: MESSIER, Mark (Indiana University)

Contribution ID: 6 Type: **Tutorial**

Introduction to the Tutorial Sessions

Monday, 6 July 2009 16:00 (30 minutes)

Presenters: HARRIS, Debbie (Fermilab); BRICE, Steve (Fermilab)

Contribution ID: 7 Type: **Bus**

Bus From Wilson Hall to Kuhn Barn

Monday, 6 July 2009 16:30 (30 minutes)

Barbecue

Contribution ID: 8 Type: Social

Barbecue

Monday, 6 July 2009 17:00 (3h 30m)

Contribution ID: 9 Type: **Bus**

Bus From Kuhn Barn to Pheasant Run

Monday, 6 July 2009 20:30 (30 minutes)

Contribution ID: 10 Type: Social

Registration and Reception

Sunday, 5 July 2009 19:00 (1h 30m)

Contribution ID: 11 Type: Bus

Bus From Pheasant Run to Wilson Hall, Fermilab

Tuesday, 7 July 2009 08:15 (45 minutes)

Contribution ID: 12 Type: Bus

Bus From Pheasant Run to Wilson Hall, Fermilab

Wednesday, 8 July 2009 08:15 (45 minutes)

Contribution ID: 13 Type: Bus

Bus From Pheasant Run to Wilson Hall, Fermilab

Thursday, 9 July 2009 08:15 (45 minutes)

Contribution ID: 14 Type: Bus

Bus From Pheasant Run to Wilson Hall, Fermilab

Friday, 10 July 2009 08:15 (45 minutes)

Contribution ID: 15 Type: Bus

Bus From Pheasant Run to Geneva Metra Station

Saturday, 11 July 2009 09:45 (30 minutes)

Contribution ID: 16 Type: Bus

Bus From Geneva Metra Station to Pheasant Run

Saturday, 11 July 2009 21:45 (30 minutes)

Contribution ID: 17 Type: Bus

Bus From Pheasant Run to Geneva Metra Station

Sunday, 12 July 2009 09:45 (30 minutes)

Contribution ID: 18 Type: Bus

Bus From Geneva Metra Station to Pheasant Run

Sunday, 12 July 2009 19:45 (30 minutes)

Contribution ID: 19 Type: Bus

Bus From Wilson Hall, Fermilab to Pheasant Run

Tuesday, 7 July 2009 16:00 (45 minutes)

Contribution ID: 20 Type: Bus

Bus From Wilson Hall, Fermilab to Pheasant Run

Wednesday, 8 July 2009 16:00 (45 minutes)

Contribution ID: 21 Type: Bus

Bus From Wilson Hall, Fermilab to Pheasant Run

Thursday, 9 July 2009 14:45 (45 minutes)

Contribution ID: 22 Type: not specified

Bus From Wilson Hall, Fermilab to Pheasant Run

Friday, 10 July 2009 17:15 (45 minutes)

Contribution ID: 23 Type: Bus

Bus From Pheasant Run to Wilson Hall, Fermilab

Monday, 13 July 2009 08:15 (45 minutes)

Contribution ID: 24 Type: Bus

Bus From Pheasant Run to Wilson Hall, Fermilab

Tuesday, 14 July 2009 08:15 (45 minutes)

Contribution ID: 25 Type: Bus

Bus From Pheasant Run to Wilson Hall, Fermilab

Wednesday, 15 July 2009 08:15 (45 minutes)

Contribution ID: 26 Type: Bus

Bus From Pheasant Run to Wilson Hall, Fermilab

Thursday, 16 July 2009 08:15 (45 minutes)

Contribution ID: 27 Type: Bus

Bus From Pheasant Run to Wilson Hall, Fermilab

Friday, 17 July 2009 08:15 (45 minutes)

Contribution ID: 28 Type: Bus

Bus From Wilson Hall, Fermilab to Pheasant Run

Monday, 13 July 2009 16:00 (45 minutes)

Contribution ID: 29 Type: Bus

Bus From Wilson Hall to Kuhn Barn

Tuesday, 14 July 2009 16:00 (30 minutes)

Contribution ID: 30 Type: Bus

Bus From Kuhn Barn to Pheasant Run

Tuesday, 14 July 2009 20:30 (30 minutes)

Contribution ID: 31 Type: Bus

Bus From Wilson Hall, Fermilab to Pheasant Run

Wednesday, 15 July 2009 14:45 (45 minutes)

Contribution ID: 32 Type: Bus

Bus From Wilson Hall, Fermilab to Pheasant Run

Thursday, 16 July 2009 14:45 (45 minutes)

Contribution ID: 33 Type: Bus

Bus From Wilson Hall, Fermilab to Pheasant Run

Friday, 17 July 2009 17:15 (45 minutes)

Contribution ID: 34 Type: Lecture

Standard Model II

Tuesday, 7 July 2009 09:00 (1h 15m)

Presenter: WILLENBROCK, Scott (University of Illinois, Urbana-Champaign)

The Framework II

Contribution ID: 35 Type: Lecture

The Framework II

Tuesday, 7 July 2009 10:45 (1h 15m)

Presenter: KAYSER, Boris (Fermilab)

Contribution ID: 36 Type: Lecture

Detector Basics II

Tuesday, 7 July 2009 13:00 (1h 15m)

Presenter: MESSIER, Mark (Indiana University)

Contribution ID: 37 Type: Lecture

Supernova & Solar Neutrinos

Tuesday, 7 July 2009 14:45 (1h 15m)

Presenter: BEACOM, John (Ohio State University)

Tutorial Session

Contribution ID: 38 Type: Tutorial

Tutorial Session

Tuesday, 7 July 2009 17:15 (1h 15m)

Q&A Session

Contribution ID: 39 Type: Q&A

Q&A Session

Tuesday, 7 July 2009 19:30 (1 hour)

Contribution ID: 40 Type: Lecture

The Framework III

Wednesday, 8 July 2009 09:00 (1h 15m)

Presenter: KAYSER, Boris (Fermilab)

Contribution ID: 41 Type: Lecture

Neutrinoless Double Beta Decay I

Wednesday, 8 July 2009 10:45 (1h 15m)

Presenter: VOGEL, Petr (Caltech)

Contribution ID: 42 Type: Lecture

Big Bang Neutrinos

Wednesday, 8 July 2009 13:00 (1h 15m)

Presenter: FORMAGGIO, Joe (MIT)

Contribution ID: 43 Type: Lecture

Neutrino Cross-Sections

Wednesday, 8 July 2009 14:45 (1h 15m)

Presenter: ZELLER, Sam (LANL)

Tutorial Session

Contribution ID: 44 Type: **not specified**

Tutorial Session

Wednesday, 8 July 2009 17:15 (1h 15m)

Presenter: HUBER, Patrick (Virginia Tech)

Contribution ID: 45 Type: Lecture

The Framework IV

Thursday, 9 July 2009 09:00 (1h 15m)

Presenter: KAYSER, Boris (Fermilab)

Contribution ID: 46 Type: Lecture

Neutrino Mass & Cosmology

Thursday, 9 July 2009 10:45 (1h 15m)

Presenter: HANNESTAD, Steen (Aarhus University)

Contribution ID: 47 Type: Lecture

Detector Basics III

Thursday, 9 July 2009 13:00 (1h 15m)

Presenter: MESSIER, Mark (Indiana University)

Contribution ID: 48 Type: **Tutorial**

Tutorial Session

Thursday, 9 July 2009 15:30 (1h 15m)

Tutorial Session

Contribution ID: 49 Type: Tutorial

Tutorial Session

Thursday, 9 July 2009 17:15 (1h 15m)

Contribution ID: 50 Type: Q&A

Q&A Session

Thursday, 9 July 2009 19:30 (1 hour)

Contribution ID: 51 Type: Lecture

Neutrino Experiment History

Friday, 10 July 2009 09:00 (1h 15m)

Presenter: HEEGER, Karsten (University of Wisconsin, Madison)

Contribution ID: 52 Type: Lecture

Ultra-High Energy Neutrinos

Friday, 10 July 2009 10:45 (1h 15m)

Presenter: ADAMS, Jenni (University of Canterbury)

Contribution ID: 53 Type: Special

Tours of Fermilab Neutrino Facilities

Friday, 10 July 2009 13:00 (2h 30m)

Contribution ID: 54 Type: Special

Fermilab Wine & Cheese Seminar

Friday, 10 July 2009 15:30 (1h 45m)

Presenter: DE GOUVEA, Andre (Northwestern University)

Contribution ID: 55 Type: Lecture

Neutrinoless Double Beta Decay II

Monday, 13 July 2009 09:00 (1h 15m)

Presenter: WILKERSON, John (University of North Carolina)

Contribution ID: 56 Type: not specified

Mixing Parameters I

Monday, 13 July 2009 10:45 (1h 15m)

Presenter: PARKE, Stephen (Fermilab)

Contribution ID: 57 Type: Lecture

Accelerator Physics I

Monday, 13 July 2009 13:00 (1h 15m)

Presenter: WILDNER, Elena (CERN)

Contribution ID: 58 Type: Lecture

Reactor Experiments

Monday, 13 July 2009 14:45 (1h 15m)

Presenter: HEEGER, Karsten (University of Wisconsin, Madison)

Tutorial Session

Contribution ID: 59 Type: Tutorial

Tutorial Session

Monday, 13 July 2009 17:15 (1h 15m)

Contribution ID: 60 Type: Q&A

Q&A Session

Monday, 13 July 2009 19:30 (1 hour)

Contribution ID: 61 Type: Lecture

Mixing Parameters II

Tuesday, 14 July 2009 09:00 (1h 15m)

Presenter: PARKE, Stephen (Fermilab)

Contribution ID: 62 Type: Lecture

Neutrino Models I

Tuesday, 14 July 2009 10:45 (1h 15m)

Presenter: ALTARELLI, Guido (INFN Rome)

Contribution ID: 63 Type: Lecture

Accelerator Physics II

Tuesday, 14 July 2009 13:00 (1h 15m)

Presenter: WILDNER, Elena (CERN)

Contribution ID: 64 Type: Lecture

Beta Decay and Neutrino Mass

Tuesday, 14 July 2009 14:45 (1h 15m)

Presenter: WILKERSON, John (University of North Carolina)

Steak Fry

Contribution ID: 65 Type: Social

Steak Fry

Tuesday, 14 July 2009 16:30 (4 hours)

Contribution ID: 66 Type: Lecture

Accelerator Experiments I

Wednesday, 15 July 2009 09:00 (1h 15m)

Presenter: NAKAYA, Tsuyoshi (Kyoto University)

Contribution ID: 67 Type: Lecture

Accelerator Physics III

Wednesday, 15 July 2009 10:45 (1h 15m)

Presenter: WILDNER, Elena (CERN)

Contribution ID: 68 Type: Lecture

Accelerator Experiments II

Wednesday, 15 July 2009 13:00 (1h 15m)

Presenter: SAOULIDOU, Niki (Fermilab)

Contribution ID: 69 Type: not specified

Tutorial Session

Wednesday, 15 July 2009 15:30 (1h 15m)

Tutorial Session

Contribution ID: **70** Type: **Tutorial**

Tutorial Session

Wednesday, 15 July 2009 17:15 (1h 15m)

International Ne... / Report of Contributions

Q&A Session

Contribution ID: 71 Type: not specified

Q&A Session

Wednesday, 15 July 2009 19:30 (1 hour)

Contribution ID: 72 Type: Lecture

Neutrino Models II

Thursday, 16 July 2009 09:00 (1h 15m)

Presenter: ALTARELLI, Guido (INFN Rome)

Contribution ID: 73 Type: Lecture

Leptogenesis I

Thursday, 16 July 2009 10:45 (1h 15m)

Presenter: NIR, Yossi (Weizmann Institute)

Contribution ID: 74 Type: Lecture

Neutrino Factory & Beta Beams I

Thursday, 16 July 2009 13:00 (1h 15m)

Presenter: GOMEZ-CADENAS, JJ (IFIC(UV/CSIC))

Contribution ID: 75 Type: **Tutorial**

Student Presentation Session I

Thursday, 16 July 2009 15:30 (1h 15m)

Contribution ID: **76** Type: **Tutorial**

Student Presentation Session II

Thursday, 16 July 2009 17:15 (1h 15m)

Farewell Dinner

Contribution ID: 77 Type: Social

Farewell Dinner

Thursday, 16 July 2009 19:00 (2 hours)

Contribution ID: 78 Type: Lecture

Neutrino Models III

Friday, 17 July 2009 09:00 (1h 15m)

Presenter: ALTARELLI, Guido (INFN Rome)

Contribution ID: 79 Type: Lecture

Leptogenesis II

Friday, 17 July 2009 10:45 (1h 15m)

Presenter: NIR, Yossi (Weizmann Institute)

Contribution ID: 80 Type: Lecture

Neutrino Factory & Beta Beams II

Friday, 17 July 2009 13:00 (1h 15m)

Presenter: GOMEZ-CADENAS, JJ (IFIC(UV/CSIC))

Contribution ID: 81 Type: Special

Fermilab Wine & Cheese Seminar

Friday, 17 July 2009 15:30 (1h 45m)

Presenter: SUZUKI, Yoichiro (ICRR Tokyo)