

CSS 2013 / Snowmass on the Mississippi (Minnesota)

Tuesday, 30 July 2013

Intensity Frontier: Plenary Session on Physics Opportunities at Project X - Anderson 370 (08:30 - 12:00)

-Conveners: Robert Tschirhart; Hendrik Weerts; JoAnne Hewett

time	[id] title	presenter
08:30	[122] Project X and the Big Questions	Prof. DE GOUEVA, Andre
09:00	[123] The Project X Accelerator Concept	HOLMES, Stephen
09:30	[124] Neutrino Physics with Project X	Prof. HUBER, Patrick
10:00	[240] Intensity Frontier: [Coffee Break]	
10:30	[125] Broader Impacts: Energy research applications	Dr SENOR, David
10:50	[126] Broader Impacts: Material Science research applications	MACDOUGALL, Gregory
11:10	[127] Rare Processes with Project X	Dr TSCHIRHART, Robert
11:40	[128] Open Discussion	

Wednesday, 31 July 2013

Intensity Frontier: New, Light Weakly-Coupled Particles: Advancing Searches for Hidden Sector Photons - Anderson 230 (08:30 - 12:00)

-Conveners: William Wester; John Jaros; Rouven Essig

time	[id] title	presenter
08:30	[420] Motivating Searches for Hidden Sector Particles in the next Decade	SCHUSTER, Philip
09:00	[419] Welcome, Goals, Plans for the Week	Prof. JAROS, John
09:15	[421] Extending the Reach of Fixed Target Experiments	SCHUSTER, Philip
09:30	[422] Thoughts on Future Heavy Photon Searches	NELSON, Tim
09:55	[423] Reach Estimates for Future Searches	GRAHAM, Mathew
10:20	Break	
10:35	[424] DarkLight Upgrades	COWAN, Ray
11:00	[425] Hidden Sector Searches at the LHC	HAAS, Andrew
11:25	[426] Discussion: New Approaches for A' Searches	

Intensity Frontier: Joint CF6/ IF Nu6 parallel - Anderson 370 (11:00 - 12:30)

-Conveners: James Beatty; Angela Olinto; Gus Sinnis; Nikolai Tolich; Cecilia Lunardini; Kara Hoffman

time	[id] title	presenter
11:00	[181] PINGU Mass Hierarchy Sensitivity	Prof. GRANT, Darren COWEN, Doug Prof. DEYOUNG, Tyce
11:15	[182] Implications of IceCube Astrophysical Neutrinos	WHITEHORN, Nathan
11:30	[183] Supernova Burst Neutrinos with LBNE	FRIEDLAND, Alexander
11:50	[184] The Future of GZK Neutrino Searches	Dr VIEREKG, Abigail
12:10	[247] Discussion	

Thursday, 1 August 2013

Intensity Frontier: New, Light Weakly-Coupled Particles: Advancing Searches for Light Dark Matter and Hidden Sector Particles - Anderson 210 (08:30 - 12:00)

-Conveners: Rouven Essig; William Wester; John Jaros

time	[id] title	presenter
08:30	[427] Searching for light dark matter and other hidden sector particles	SCHUSTER, Philip
08:45	[428] Next generation e- μ beam dump searches	Dr KRNJAIC, Gordan
09:10	[429] Next generation proton beam dump searches	BATELL, Brian
09:35	[430] Next searches with e+e- μ colliding beams	ECHENARD, Bertrand
10:00	[431] Next generation e+e- μ searches for light Dark Matter	Prof. ESSIG, Rouven
10:10	[432] New Hidden Sector Particle Searches	Prof. GERSHTEIN, Yuri
10:35	Break	
10:50	[433] Preview of Rouven's NLWCP Colloquium & Discussion	
11:20	[434] Preview of William's NLWCP Colloquium & Discussion	

Intensity Frontier: Joint Neutrino/BNV Session on Large Underground Detectors - Anderson 250 (08:30 - 12:20)

-Conveners: K.S. Babu; Ed Kearns; Kate Scholberg; Kevin Pitts; Andre de Gouvea; Sam Zeller

time	[id] title	presenter
08:30	[349] Physics in Large Underground Detectors	Dr KAYSER, Boris Kayser
09:00	[350] LBNE	STRAIT, James Dr DIWAN, Milind Prof. WILSON, Robert
09:55	[353] Discussion	
10:00	Break	
10:30	[351] Hyper-K Physics Potential	Prof. YOKOYAMA, Masashi
10:50	[384] Status of Hyper-K R&D and Project	Prof. NAKAYA, Tsuyoshi
11:05	[352] Daedalus	TOUPS, Matt
11:20	[354] Discussion	

Intensity Frontier (19:30 - 20:30)

Friday, 2 August 2013

Intensity Frontier: New, Light Weakly-Coupled Particles: Advancing Searches for Axion-like particles - Anderson 310 (08:30 - 12:00)

-Conveners: John Jaros; William Wester; Rouven Essig

time	[id] title	presenter
08:30	[435] Laser experiments	Dr WESTER, William
08:50	[436] IAXO Helioscope	PIVOVAROFF, Michael
09:15	[437] Chameleons	Dr UPADHYE, Amol
09:50	[438] CHEX, chameleon search at Jlab	BOYCE, Jim
10:10	Break	
10:30	[439] Discussion: What new technologies/facilities are needed for future hidden sector searches?	HETZIKOUTELIS, Athanasios
11:00	[440] Final Discussion, conclusions and writing assignments	

Intensity Frontier: Nu1 Summary: Three-Flavor Oscillations - Anderson 250 (08:30 - 10:00)

-Conveners: Mary Bishai; Karsten Heeger; Patrick Huber; Kevin Pitts; Sam Zeller; Kate Scholberg; Andre de Gouvea

time	[id] title	presenter
08:30	[343] Nu1 in a Nutshell	HEEGER, Karsten
08:35	[344] Physics with Existing Facilities	
08:50	[345] Mass Hierarchy Studies	
09:05	[346] CP Violation Reach in the Next Decade and Beyond	Prof. HUBER, Patrick
09:20	[347] Long Term Physics Prospects	Prof. LONG, Kenneth
09:35	[348] Muon Accelerators: An Integrated Path to Intensity and Energy Frontier Physics Capabilities	Dr PALMER, Mark

Intensity Frontier: Neutrino Summaries - Anderson 250 (10:30 - 12:00)

-Conveners: Mike Kordosky; Jorge G. Morfin; Rex Tayloe; Ben Monreal; Hamish Robertson; Steven Elliott; Lisa Kaufman; Andre de Gouvea; Kevin Pitts; Sam Zeller; Kate Scholberg

time	[id] title	presenter
10:30	[129] Nu2: Majorana vs. Dirac Summary	KAUFMAN, Lisa
11:00	[130] Nu3: Neutrino Mass Summary	ROBERTSON, Hamish
11:30	[131] Nu4: Neutrino Interactions Summary	Prof. TAYLOE, Rex