

Signed for PPAC Seminar

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Particle Physics, Astrophysics, and Cosmology Seminar

Neutrino Physics Group

Prof. Yuri Efremenko

1. “Majorana” experiment for search of neutrinoless 2β -decay
2. “KamLAND” neutrino experiment in Japan
3. Coherent neutrino scattering at SNS
4. Dark Matter search with liquid Xe

Prof. Thomas Handler

1. NOvA experiment at Minnesota / Fermilab
2. LBNE neutrino/proton decay experiment

Prof. Yuri Kamyshev

1. Double Chooz reactor neutrino experiment in France
2. NOvA experiment at Minnesota / Fermilab
3. Search for neutron-antineutron transformations at ESS in Europe
4. Dark Matter search with light gas targets

Particle Physics, Astrophysics, and Cosmology Seminar

Prof. Stefan Spanier

1. LHC physics in CMS Collaboration
2. Particle Diamond-based detectors

Prof. Michael Guidry

Prof. Raph Hix

Prof. Tony Mezzacappa

1. Astrophysics of Supernovae explosions
2. Cosmology
3. Role of neutrinos in Astrophysics

Prof. George Siopsis

1. Theory of Black Holes
2. Theoretical Cosmology
3. String Theory and Extra Dimensions