

INT 11-2b

Astrophysical Transients: Multi-messenger Probes of Nuclear Physics

Week 2: Optical, neutrino, and gravitational wave astronomy

July 18 - 22, 2011

Monday, July 18, 2011

Room C421, Physics and Astronomy Tower

- **10:30~ M. Coleman Miller, University of Maryland**
"Using Thermonuclear Burst Spectra to Constrain Neutron Star Masses and Radii"
- **11:30~ Robert Rutledge, McGill University**
"Quiescent Emission from Transiently Accreting Neutron Stars"

Room C520, Physics and Astronomy Tower

- **3:00 ~ James Lattimer, SUNY at Stony Brook**
"Radius and Mass Determinations from Neutron Star Observations"

Tuesday, July 19, 2011

Room C421, Physics and Astronomy Tower

- **10:30 ~ Kei Kotake, National Astronomical Observatory of Japan**
"Multi-messengers from Core-Collapse Supernovae: Multi-dimensionality as a Key to Bridge Theory and Observation"

Room C520, Physics and Astronomy Tower

- **3:00 ~ Cecilia Lunardini, Arizona State University**
"Supernova Neutrinos at Next Generation Detectors"

Wednesday, July 20, 2011

Room C421, Physics and Astronomy Tower

- **10:30 ~ Andrew Melatos, University of Melbourne**
"New Insights into the Statistics and Quantum Mechanics of Neutron Star Glitches"

Room C520, Physics and Astronomy Tower

- **3:00 ~ Discussion leader: Ira Wasserman, Cornell University**
TBD

Thursday, July 21, 2011

Room C421, Physics and Astronomy Tower

- **10:30 ~ Charles J. Horowitz, Indiana University**
"Neutron Star Crust and Crust Breaking"

Room C520, Physics and Astronomy Tower

- **3:30 ~ José Pons, Universidad de Alicante**
"Magnetars vs. High-B Field Pulsars: Is there a Real Dichotomy?"

Friday, July 22, 2011

Room C421, Physics and Astronomy Tower

- **10:30 ~ Maxim Lyutikov, Purdue University**
"Magnetar Flares: Starquakes or Stellar Flares?"

Room C520, Physics and Astronomy Tower

- **3:00 ~ TBD**

Participants

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***Please send or bring a .pdf or .ppt of your slide presentation to Janine in C411:
janine@phys.washington.edu. Thank you!***