

# INT Program INT-11-2b

## Week 2: Optical, neutrino, and gravitational wave astronomy

### Schedule

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Notes: We have changed the format somewhat. Anyone who would like to give a talk may speak for up to about 45 minutes. Shorter is fine too; the idea is to stimulate as much discussion as possible.

If you are giving a longer talk, please remember to prepare a 15-minute introduction for non-experts.

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#### **Monday, July 18**

10:30 am, Room C421 (45 min)

Cole Miller, "Using Thermonuclear Burst Spectra to Constrain Neutron Star Masses and Radii"

11:30 am, Room C421 (45 min)

Bob Rutledge, "Quiescent Emission from Transiently Accreting Neutron Stars"

3:00 pm, Room C520 (45 min)

Jim Lattimer, "Radius and Mass Determinations from Neutron Star Observations"

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#### **Tuesday, July 19**

10:30 am, Room C421 (45 min)

Kei Kotake, "Multi-messengers from Core-Collapse Supernovae: Multi-dimensionality as a Key to Bridge Theory and Observation"

3:00 pm, Room C520 (45 min)

Cecilia Lunardini, "Supernova Neutrinos at Next Generation Detectors"

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**Wednesday, July 20**

10:30 am, Room C421 (45 min)

Andrew Melatos , "New Insights into the Statistics and Quantum Mechanics of Neutron Star Glitches"

3:00 pm, Room C520

Discussion led by Ira Wasserman

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**Thursday, July 21**

10:30 am, Room C421 (45 min)

Chuck Horowitz, "Neutron Star Crust and Crust Breaking"

3:00 pm, Room C421 (45 min)

Jose Pons , "Magnetars vs. High-B Field Pulsars: Is there a Real Dichotomy?"

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**Friday, July 22**

10:00 am, Room C421

Maxim Lyutikov, "Magnetar Flares: Starquakes or Stellar Flares?"

11:00 am, Room C421

Bennett Link, "Messages from Neutron Star Spin Glitches"

11:30 am, Room C421

Ira Wasserman , "Messages from Slow Spin Variations in Neutron Stars"

3:00 pm, Room C520

TBD