

INT Program INT-11-2b

Week 3: Gravitational waves from compact objects, glitches, and other transient behavior in neutron stars

Schedule

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.

Monday, July 25

10:30 am, Room C421 (45 min)

Ira Wasserman, "R-modes and the Maximum Rotation Rate of Neutron Stars"

3:00 pm, Room C520 (45 min)

Kai Schwenzer, "The (ln)-dependence of R-mode Damping on the Microphysics"

Tuesday, July 26

10:30 am, Room C421

Mark Alford, "Bulk Viscosity and R-modes"

11:30 am, Room C421

Simin Mahmoodifar, "Suprathermal Bulk Viscosity of Dense Matter and its Effect on the Spin-down Evolution of Compact Stars"

3:00 pm, Room C520

Bryn Haskell, "Constraining the Role of Gravitational Waves in LMXBs"

3:30 Room C520

Maxim Lyutikov, "Electromagnetic signatures of merging and collapsing compact objects"

Wednesday, July 27

10:30 am, Room C421 (45 min)

Nils Andersson, "Missing Pieces in the R-mode Puzzle"

3:00 pm, Room C520 (45 min)

Gail McLaughlin, "The Importance of Neutron Capture in Understanding the R-process"

Almudena Arcones, "The R-process as a Source of New Elements, Energy and Optical Transients"

Thursday, July 28

10:30 am, Room C421 (45 min)

Craig Heinke, "The Cooling Neutron Star in Cas A, and Its Implications"

11:30 am, Room C421 (45 min)

Bob Rutledge, "Calibration of Chandra ACIS-S and its Effect on Neutron Star Measurements"

3:00 pm, Room C520 (45 min)

Aimee Hungerford, "A Detailed Look at Cassiopeia A; Progenitor, Explosion, and Nucleosynthesis"

Friday, July 29

10:30 am, Room C421 (45 min)

Achim Schwenk, "Neutron-rich Matter and Neutrino-matter Interactions Based on Chiral EFT"

11:30 am, Room C421 (45 min)

Sergey Postnikov, "Maximally-independent Equation of State for Neutron Star Matter"

3:00 pm, Room C520 (45 min)

Thomas Schaefer, "Transport Properties of Dense Matter"

William Newton, "Crust-composition Parameters Relevant to Glitch, Oscillation, and Cooling Models"