

"Extragalactic Transients: From Novae to Supernovae"

October 16: Thermonuclear Explosions on Accreting WDs

- Physics of novae accumulation and explosion (SHEN)
- Physics of the lightcurves, winds and role of Eddington limit (SHEN)
- V445 Puppis = Helium Novae (IDAN)
- Rates as a function of galaxy type, what are they telling us about accreting binaries? (KASLIWAL)
- CK Vul (KASLIWAL)

October 30: Unusual Type Ia Supernovae

- Lightcurves, radioactive decays and .Ia's (BILDSTEN)
- Unusual systems (e.g. Super-Chandras, 2002cx) (KASLIWAL)
- Subluminous events (1991 bg's) (KASLIWAL)
- Expectations for C/O + C/O WD merger (STEINFADT+PETROVIC)

November 6: Radio Surveys

- Fast Radio Transients (Levinson et al. 2002; Gal-Yam et al. 2006; Bower et al. 2007). (OFEK)
- Upcoming radio surveys (PRINCE)
- Shock breakout phenomena from supernovae (HENISEY)

November 20: Massive Star Outcomes

- Type II Supernovae Spectra (BROWN)
- Type II, Ib, Ic SN from ROTSE (QUIMBY)
- LBVs (MARSHALL)
- $M_V = -13$ transients two years before a Type II (MARSHALL)
- 2005ap, 2006gy (KULKARNI)

November 27: Tidal Disruptions by SMBHs and Mergers

- expected rates for SMBH tidal disruptions (PFAHL, FAVATA)
- lightcurves and observations/detection (HADJIYSKA)
- Gallex Results (GEZARI)

- Stellar mergers, common envelopes, expected rates of events as a function of galaxy type (HENISEY)

December 4: Long-Lived Merger Remnants and Late Thermal Pulses

- V838 Mon, M31 RV, M85 OT (RAU)
- Late thermal pulses as transient triggers (BILDSTEN)
- Origin of DB WDs, PG 1159 stars, and WD Mass distrib (STEINFADT)
- Rcr B stars as WD-WD mergers ? (HENISEY/RYKOFF)

Dec 11: Nearby Universe and Rate Expectations for new optical Surveys (KULKARNI, MARSHALL, BILDSTEN)

- Hopefully we can have a few things sorted out and concluded by this date, especially rates of KNOWN events for dif't surveys, as well as census of nearby galaxies relevant to 'blind' surveys.
- proper cadences ? Cadence distributions?
- followup (near term and long term)