

INT Program INT-11-2b

Week 1: Modeling explosive phenomena (supernovae, novae, x-ray bursts, magnetar flares)

Schedule

Notes: If you are giving a 45-minute talk in the morning, please remember to prepare a 15-minute introduction for non-experts.

If you have a discussion topic for the afternoon, or would like to give a 15-minute talk, please contact one of the organizers (Link, Brown, Fryer, Reddy).

Monday, July 11

10:30 am, Room C421 (45 min)

Bronson Messer, "Core-collapse supernova simulations and the attendant observables"

3:00 pm, Room C520

What is needed for modeling SNe from the EOS?

Discussion leader: Gang Shen

Tuesday, July 12

10:30 am, Room C421 (45 min)

Paolo Mazzali, "Ib/c SNe and GRB's"

3:00 pm, Room C441

GRBs and exotic transients: What do observers want and need from modelers?

Discussion leader: Elena Pian

Wednesday, July 13

10:30 am, Room C421 (45 min)

Luke Roberts, "The Late Time Supernova Neutrino Signal"

Wednesday, July 13

3:00 pm, Room C520

TBA

Thursday, July 14

10:30 am, Room C421 (45 min)

Laurens Keek, "Calm after the storm: X-ray burst quenching after a superburst"

3:00 pm, Room C520

A New Type of Supernova Explosion

Discussion leader: Paolo Mazzali

Friday, July 15

10:30 am, Room C421 (45 min)

Mike Zingale, "The challenges of modeling explosive phenomena"

3:00 pm, Room C520

Modeling diverse burst phenomena: challenges and prospects

Discussion leader: Chris Fryer