

The Fourth Third Coast Astronomical Society Meeting Probing the Dark Ages

Meeting Program

Tuesday, May 18

6:30 pm Reception, Doubletree Hotel Tallahassee

Wednesday, May 19

Session 1: Star Formation and Stellar Evolution [chair: C. Wheeler]

9:00 Jonathan Tan (UF): Star Formation Now and Then

9:40 Athena Stacy (U Texas): Formation of Pop III Binaries and Small Multiple Systems

10:10 coffee break

10:40 Sven Van Loo (UF): Magnetic Fields in Star Forming Regions

11:10 Jan Staff (LSU): Large-scale 3D Simulations of Protostellar Jets

11:40 Naved Mahmud (Rice): Brown Dwarf and Giant Planet Companions to Young Stars

12:10 lunch

Session 2: Binary Systems and Progenitors of SN & GRBs [chair: C. Frank]

14:00 Edward Robinson (UT): Optical eclipse mapping of LMXB accretion disk

14:40 Robert Hynes (LSU): Echo mapping of the structure of LMXBs

15:20 coffee break

16:00 Brad Schaefer (LSU): Type Ia supernovae & recurrent novae

16:40 R. Bandyopadhyay (UF): Hunting for Buried Treasure: Identifying New Populations of Interacting Binaries in the Galactic Center

17:20 A. Pereyra (UF): Outflows from Accretion Disk Systems

Thursday, May 20

Session 3: Supernovae [P. Hoefich]

9:00 Stephen Bruenn (FAU): 2D and 3D Core-Collapse Supernovae Simulations with the CHIMERA code

9:40 Tomek Plewa (FSU): Supernova Engines

10:10 coffee break

10:40 Eddie Baron (OU): Hydrogen in SNe Ib
11:20 Andrey Zhiglo: Accretion disks in WD-systems
11:50 Robert Penny (FSU): Positron transport and Implications for SNIa Explosion models

12:18: Conference photo
12:20 lunch

Session 4: GRBs/Black Holes [chair: C. Kouveliotou]

14:00 Pawan Kumar (UT): New Developments in GRBs
14:40 Rob Preece (UA): "Which E_{peak}? The GRB Correlation Controversy"

15:20 coffee break

15:50 Narayana Bhat (UF): tbd
16:30 Adam Goldstein (UHA): First Year Spectral Results of Fermi/GBM GRBs
17:00 Alexander J. van der Horst (NASA): Extraordinary Radio Supernovae and Their Environments

18:30 Banquet, "Los Amigos"

Friday, May 21

Session 5: Large Scale Structure and Cosmology [C. Gerady]

9:00 David Pooley (): Dark Matter Determinations
9:40 G. Esra Bulbul (MSFC): The Effect of Helium Sedimentation on X-ray Derived Properties of Galaxy Clusters

10:10 coffee break

10:40 Andy Wagers (TAM): "Wavelets as a Tool for Studying SNe Ia Spectra"
11:10 Peter Hoeflich (FSU): Secondary Parameter in Type Ia Light Curves
11:40 Xiaofeng Wang (TAM): tbd

12:10 science meeting ends

Afternoon excursion to Edward Ball Wakulla Springs State Park

Poster Session

Schuyler G. Wolff, Julie J. Scott, Edward Kintzel, and Louis-Gregory Strolger (WKU): Nondestructive Analysis of Telescope Surfaces and Coatings

Christopher T. Britt (LSU), I. Hynes (LSU), Mikles (LSU), E. Robinson (UT), K. O'Brien (ESO/Chile): Echomapping of Scorpius X-1

A. Pagnotta, A., B. E. Schaefer, et al. (LSU): The Eruption of Nova U Scorpii

Michael Burgess (UAH): A New Look at Gamma-Ray Pulsars with the LAT Low-Energy Technique

Andrew Collazzi (LSU): Observable quantities for Gamma-Ray Bursts

Chatzopoulos, E., Dearborn, S. P. D., Wheeler, J.C (UT): 3-D hydrodynamic simulations of pair-instability supernovae