

**24th ANNUAL NEW MEXICO SYMPOSIUM**  
**2008 October 24**  
**Poster Program**

**AGN & quasars**

- 1 Esteban Araya (NRAO/UNM), G. Taylor, Y. Pihlstrom & C. Rodriguez (UNM) *VLBA observations of HI in the archetype compact symmetric object 2352+495*
- 2 Fredrick Davies (NMT/NRAO), C. Walker (NRAO), J. Wrobel (NRAO), C. Ly (UCLA), W. Junor (LANL), P. Hardee (U. Alabama) *A VLBA study of core wander and relative proper motion of M87*
- 3 Elizabeth Klimek, C. Churchill, J. Evans & A. Klypin (NMSU) *Radiative shielding corrections in QSO absorption line absorbers: column density ratios and metallicity corrections*
- 4 Joan Wrobel (NRAO), J. Greene (Princeton), L. Ho (OCIW), J. Ulvestad (NRAO) *Local analogs of the first active galactic nuclei: GH 10*

**Galaxies**

- 5 Trish Henning (UNM) & the ALFA/ZOA team *The ALFA zone of avoidance survey*
- 6 Josh Marvil, J. Eilek (NMT), & F. Owen (NRAO) *The radio spectra of star-forming galaxies*
- 7 Rich Rand (UNM) *Kinematics of atomic gas halos in edge-on spirals*
- 8 Jason Speights (NMT) *The shearing patterns of grand design spiral galaxies*
- 9 Cat Wu, R. Walterbos, J. Choi (NMSU) & R. Rand (UNM) *Halo gas velocities of NGC 4244 and NGC 891 using multi-long-slit spectroscopy*

**Stellar and ISM**

- 10 Crystal Anderson (NMT), P. Hofner (NMT), D. Shepherd (NRAO), M. Creech-Eakman (NMT) *Molecular and X-ray emission toward IRAS 20126+4104*
- 11 Fonda Day (UNM) *Proper motion of H<sub>2</sub>O masers in the PPNe IRAS 19190+1102*
- 12 Mark McKinnon (NRAO) *A search for pulsar-stimulated OH emission in supernova remnants*

## Solar system

- 13 Malynda Chizek, S. Bussard, J. Murphy (NMSU) *Mars atmospheric profiles: an assessment*
- 14 J. Jackiewicz (NMSU), L. Gizon (MP-ISSR) & A. Birch (NWRA CoRA) *Helioseismic mapping of the solar interior*
- 15 Chas Miller, N. Chanover (NMSU) *Resolving dynamical properties for four 2007 mutual Uranus satellite encounters*
- 16 William Ryan, E. Ryan (NMT/MRO) *First near-earth object results from the MRO 2.4-m telescope*

## Instruments and surveys

- 17 Kurt Anderson, G. Van Doren (Apache point/NMSU) *SDSS-III: the third phase of the Sloan Digital Sky Survey*
- 18 Nancy Chanover, D. Glenar, D. Voelz (NMSU), P. Boston (NMT), P. Mahaffy & W. Brinckerhoff (GSFC) *Instrument development for in-situ organic detection*
- 19 Joe Craig (LWA/UNM), S. Ellingson (U.Vt), G. Taylor (UNM), B. Hicks (NRL) *Sky to digitizer: the analog signal path for the LWA*
- 20 B. Hicks (NRL), Y. Pihlstrom (UNM) & the LWA team *Prototyping and field testing active antennas for the Long Wavelength Array*

## Magdalena Ridge Observatory

- 21 Eric Bakker(MROI/NMT) *Programmatic update of the MRO nterferometry project*
- 22 The MROI team (MROI/NMT) *MRO site and infrastructure*
- 23 The MROI team (MROI/NMT) *Constructing the MRO interferometer*
- 24 The MROI team (MROI/NMT) *What is thte MRO interferometer?*
- 25 The MROI team (MROI/NMT) *How does interferometry work?*
- 26 The MROI team (MROI/NMT) *What will MROI observe?*
- 27 The MROI team (MROI/NMT) *MRO Interferometer's mechanical design*