

Lecture Schedule

Monday

January

12 JP - DM History

16 [ML King Day]

26 AD - Nonlinear Collapse

February

2 AD - DM Halos

9 AD - Angular Momentum

16 [Presidents Day]

23 AD - Dwarf Galaxies

March

2 Dutton - Disk Galaxy Dynamics

9 Bertone - IGM

16 Student Seminars

Wednesday

7 Klypin - Bars

14 Krumholz - Molecular Clouds

21 AD - Fluctuation Growth

28 AD - Hierarchical Structure Formation

4 AD - DM Substructure

11 JP - Semi-Analytic Modeling

18 AD - Galaxy Bimodality

25 Romanowsky - Early Type Galaxy Dynamics

4 Mathews - What Stops Cooling Flows?

11 JP - LambdaCDM, Student Seminar

18 Student Seminars 12:15-2:30 pm

Wed 3/11 – Michele Fumagalli – Damped Lyman Alpha Systems

Mon 3/16 – Justin Pelzer – Formation of the First Massive Black Holes

Robert Da Silva – Quasars in Merging Systems

Mark Mozena – Galaxy Morphology Statistics

Wed 3/18 – Maria Fernanda Duran Sierra – Sunyaev-Zel'dovich Effect

Valery Rashkov – Shapes of Dark Matter Halos vs. Observations

Edmond Cheung – Formation of Galactic Spheroids

Eric Lopez – Galaxy-AGN Interactions in Semi-Analytic Models

Lecturers: JP = Joel Primack, AD = Avishai Dekel

Guest Lecturers: Serena Bertone, Aaron Dutton, Anatoly Klypin (New Mexico State University),

Mark Krumholz, William Mathews, Aaron Romanowsky