Gravity in the Local Group, **Carnegie Mellon University, June 2 - 5 2025** (version June 2)

Methods (Monday morning, chair: Raphael)		
James Taylor	Waterloo Centre for Astrophysics	Tidal mass loss as a 1-dimensional process
Jens Stücker	University of Vienna	Tidal stripping in the adiabatic Limit
Amery Gration	University of Surrey	Distribution-function models and mass estimates for binary-rich ultrafaint galaxies
Sofia Splawska	Carnegie Mellon University	The stellar profiles of dwarf galaxies affect estimates of their dynamical mass
Jan Pflamm-Altenburg	Helmholtz-Institut für Strahlen- und Kernphysik, Bonn	The gravitational N-body system in QUMOND and AQUAL
Dwarfs I (Monday afternoon, chair: James)		
Axel Widmark	Columbia University	Using simulation based inference on tidally perturbed dwarf galaxies
Daniel Boyea	University of Victoria	Can tides explain Sculptor and Ursa Minor's extended density profiles?
Shashank Dattathri	Yale	Core dynamics and instability: not all cores are equal
Streams (Tuesday morning, chair: Tjitske)		
Andrew Pace	University of Virginia	The Outer Limits: Searching for Stellar Halos and Tidal Debris Around Classical Milky Way Dwarf Spheroidal Galaxies
Hayden Foote	University of Arizona	Segue 2 Recently Collided with the Cetus-Palca Stream: New Opportunities to Constrain Dark Matter in an Ultra Faint Dwarf
Jacob Nibauer	Princeton University	The Galactic Acceleration Field Local to the GD-1 Stream
Colin Holm-Hansen	University of Michigan	Modeling Globular Cluster Tidal Disruption in a Dynamic Galactic Potential
Kiyan Tavangar	Columbia University	Identifying stellar stream features for dark matter constraints using a new flexible density model
Haifeng Wang	University of Padova	Milky Way disk and Sagittarius Dwarf Galaxy Stream
Dwarfs II (Tuesday afternoon, chair: Andrew)		
Eugene Vasiliev	University of Surrey	Tango for the Clouds
Himansh Rathore	University of Arizona	Gravity in the Clouds: Using the Dis-equilibrium of the LMC and SMC to Inform the Evolution of the SMC's Dark Matter Profile
Kosuke Jamie Kanehisa	Leibniz Institute for Astrophysics Potsdam (AIP)	Andromeda's asymmetric satellite system challenges CDM cosmology
Roeland Van Der Marel	Space Telescope Science Institute	Dark Matter Cusp Slopes in Dwarf Spheroidal Galaxies from Hubble and JWST Proper Motions
Marcel S. Pawlowski	Leibniz-Institute for Astrophysics, Potsdam (AIP)	Phase-Space Peculiarities among the Satellite Galaxy Systems in the Local Group
Mariana P. Júlio	Leibniz Institute for Astrophysics Potsdam (AIP)	The radial acceleration relation at the EDGE of galaxy formation: challenging its universality in low-mass dwarf galaxies
Cosmic Connection (Wednesday morning, chair: Stacy)		
Tjitske Starkenburg	Northwestern University	Evolving stellar halos, streams and shells beyond the Milky Way
Arpit Arora	University of Washington	Shaping dark matter halos: The interplay of mergers and cosmic filaments
Neil Ash	University of Michigan	Halo tumbling induced by torques from infalling satellites
Edward Olex	Universidad Autónoma de Madrid	Hidden Patterns in the Local Universe: Cosmic Coincidence or New Physics?
Lorenzo Pizzuti	Department of Physics, University of Milano-Bicocca	Unveiling the nature of gravity with kinematical properties of galaxy clusters
Antoine Dumont	Max Planck Institut für Astronomie	What Centaurus A can teaches us about dark matter halos in Elliptical galaxies
Globular Clusters (Wednesday afternoon, chair: Monica)		
Brigette Vazquez Segovia	University of Michigan	Accreted Globular Cluster Stellar Stream Microstructures Resulting from Tides from the Parent Dwarf Galaxy
Yingtian "Bill" Chen	University of Michigan	Stellar streams reveal properties of progenitor globular clusters
Giulia Pagnini	Observatoire Astronomique de Strasbourg	Chemo-dynamical ties: the accretion of ω Centauri and its progenitor galaxy
Till Sawala	University of Helsinki	Measuring the Galactic potential from expanding star clusters
Raphael Errani	Carnegie Mellon University	Stellar Mass Segregation in Dark Matter Halos
Milky Way (Thursday morning, chair: Kathryn)		
Jenni Häkkinen	University of Helsinki	Revisiting the prediction of the MW--M31 merger
Mika Lambert	University of California - Santa Cruz	A Disturbance in the Galactic Anticenter: Observational Evidence of a Tidally-Induced Spiral Arm Using Kinematics of Main Sequence Turn-Off Stars with DESI
Taavet Kalda	Max Planck Institute for Astronomy	Dynamical modelling of the solar neighbourhood in the Milky Way with Deep Potential
Hanyuan Zhang	Institute of Astronomy, University of Cambridge	Radial migration in the Galactic disc with a decelerating bar
Kathryn Johnston	Columbia University	Snails across scales
Stacy McGaugh	Case Western Reserve University	The Gravitational Potential of the Milky Way