

IAUS379: Dynamical Masses of Local Group Galaxies

Monday 20 March 2023

SESSION 1: From ground and space: motions, distances, chemistry and star formation measurements (09:15-10:45)

-Conveners: Michelle Collins

time	[id] title	presenter
09:15	[26] The internal kinematics and dynamical masses of Local Group dwarf galaxies	BATTAGLIA, Giuseppina
09:55	[71] The Power of Milky Way's Stellar Streams with Full 6D+ Phase Space Data Set from S5 and DESI	LI, Ting
10:20	[103] Detection of density variations and off-track features in stellar streams	VISWANATHAN, Akshara
10:35	[77] On the Fast (Stream) Track: Rapid construction of stellar stream paths	STARKMAN, Nathaniel
10:37	[39] Characterizing the distant spur feature of the Sagittarius stream	BAYER, Manuel
10:39	[72] Bayesian action-based dynamical model for M31	GHERGHINESCU, Paula
10:41	[20] The survey of planetary nebulae in Andromeda (M31). Chemical enrichment of the thin and thicker discs of Andromeda: Oxygen to argon abundance ratios for planetary nebulae and HII regions	ARNABOLDI, Magda
10:43	[147] (Machine)-learning the galactic potential	TENACHI, Wassim

SESSION 1: From ground and space: motions, distances, chemistry and star formation measurements (11:30-13:00)

-Conveners: Michelle Collins

time	[id] title	presenter
11:30	[123] Gaia EDR3 proper motions of Milky Way dwarfs	LI, Hefan
11:45	[101] Mapping the deforming dark matter haloes of the Milky Way and the LMC with stellar streams	LILLEENGEN, Sophia
12:00	[19] Equilibrium dynamical models for the Large Magellanic Cloud	KACHAROV, Nikolay
12:15	[105] Proper Motions, Orbits, and Tidal Influences of Milky Way Dwarf Spheroidal Galaxies	PACE, Andrew
12:30	[73] The masses of Local Group galaxies and the baryonic Tully-Fisher relation	MCGAUGH, Stacy
12:45	[29] Internal proper motions of dwarf spheroidal galaxies: Constraining the density and properties of dark matter	VITRAL, Eduardo
12:47	[80] Constraints on dark matter distribution in dwarf spheroidal galaxies based on the 4th-order Jeans analysis	WARDANA, M. Dafa
12:49	[16] Discrete Schwarzschild models of dwarf spheroidal galaxies: New tests of the dark matter distribution.	AQUINO ORTÍZ, Erik
12:51	[145] The Halo Outskirts With Variable Stars (HOWVAST) survey: detecting Milky Way mass tracers beyond 100 kpc	MUNOZ, Ricardo R.
12:53	[146] Precise distances from Gaia astrometry and large-scale spectroscopic surveys with StarHorse	QUEIROZ, Anna

SESSION 1: From ground and space: motions, distances, chemistry and star formation measurements (14:30-15:25)**-Conveners: Tony Sohn**

time	[id] title	presenter
14:30	[124] Chemo-dynamical modelling of galaxies with DYNAMITE	ZOCCHI, Alice
14:45	[46] How 4MOST and MOONS will improve constraints on the dynamical masses of Local Group galaxies	MIESKE, Steffen
15:00	[102] Wide binaries in dwarf galaxies as probes of dark matter	KERVICK, Christopher