

IAUS379: Dynamical Masses of Local Group Galaxies

Monday 20 March 2023

SESSION 2 : Sizes, Masses, and Formation histories of the Milky Way and of Andromeda (16:45-18:00)

-Conveners: Tony Sohn

time	[id] title	presenter
16:45	[140] Scaling up the Milky Way	BONACA, Ana
17:25	[24] DESI and the matter density distribution of the Milky Way from field halo stars	VALLURI, Monica
17:40	[84] Dynamical properties of ancient stars in the inner Milky Way with PIGS	ARENTSEN, Anke

Tuesday 21 March 2023

SESSION 2 : Sizes, Masses, and Formation histories of the Milky Way and of Andromeda (09:00-10:45)

-Conveners: Alan McConnachie

time	[id] title	presenter
09:00	[83] The Milky Way Tomography with Subaru Hyper Suprime-Cam. I. Halo substructures	SUZUKI, Yoshihisa
09:15	[117] The study of the Galactic mass distribution from Gaia DR3 RR Lyrae	DU, Cuihua
09:30	[89] Milky Way mass with K giants and BHB stars using LAMOST, SDSS/SEGUE, and Gaia: 3D spherical Jeans equation and tracer mass estimator	BIRD, Sarah A.
09:55	[90] The Milky Way's Rotation Curve Derived from Classical Cepheids	PRADHAN, Raj Kumar
09:57	[43] The relation between stellar and dark matter haloes of Milky Way-mass galaxies	GENINA, Anna
09:59	[94] Milky Way Modelling with Stellar Streams	KOOP, Orlin
10:01	[57] Are the orbital poles of the Milky Way streams pointing to a past Milky Way-Andromeda interaction?	ASENCIO, Elena
10:03	[98] Disrupted vs survived dwarf galaxies in cosmological simulations	KHOPERSKOV, Sergey
10:05	[139] Weighing Andromeda: Mass estimates of the M31 Galaxy	BHATTACHARYA, Souradeep

SESSION 2 : Sizes, Masses, and Formation histories of the Milky Way and of Andromeda (11:30-13:13)

-Conveners: Alan McConnachie

time	[id] title	presenter
11:30	[34] Proper Motions of M31 Satellite Galaxies: M31 Mass, Satellite Orbits, and the Dynamical State of the Satellite Plane	SOHN, Tony
11:55	[10] Constraining the Total Mass of M31 with Precision Astrometry	PATEL, Ekta
12:10	[112] Probing the mass of the Andromeda galaxy with DESI spectroscopy	KOPOSOV, Sergey
12:25	[96] Formation of the Andromeda Giant Southern Stream and the ring structures in the Andromeda Galaxy	MORI, Masao
12:40	[41] Galaxy masses derived from the timing argument	PEÑARRUBIA, Jorge
13:05	[109] Exploring the dynamical decoupling of the components of the Andromeda galaxy	SALOMON, Jean-Baptiste
13:07	[13] Detection limits and estimation of Andromeda's mass	DOLIVA-DOLINSKY, Amandine
13:09	[40] Revisiting mass estimates of the Milky Way, of M31, and of some spiral galaxies	JIAO, Yongjun
13:11	[121] Large-scale Hydrodynamical Shocks as the Smoking-gun Evidence for a Bar in M31	FENG, Zixuan

SESSION 2 : Sizes, Masses, and Formation histories of the Milky Way and of Andromeda (14:30-15:10)

-Conveners: Philipp Richter

time	[id] title	presenter
14:30	[92] The Triangulum Extended Survey: Insights into the Dynamical History of M33 and M31	GILBERT, Karoline
14:45	[106] The Mass of the Local Group	EVANS, Wyn