## Monday, 23.09.2019

08:30 - 09:00	Registration
09:00 - 09:10	Welcome & Introduction (Pavel Kroupa & Indranil Banik)
09:10 (25 min) Federico Lelli: 09:50 (25 min) Pengfei Li: 10:30 (25 min) Harry Desmond:	Scaling relation – observations (Chair: Stacy McGaugh) The empirical laws of galactic rotation Fitting the radial acceleration relation to individual SPARC galaxies Galaxy velocity & size correlations, the halo Tully-Fisher relation and tests of the External Field Effect
11:10 - 11:40	<u>Coffee break</u>
11:40 (25 min) Aaron A. Dutton: 12:20 (25 min) Enrico Garaldi:	Scaling relations in ACDM simulations (Chair: Donatella Romano) Galaxy scale challenges for cold dark matter The Radial Acceleration Relation of satellite galaxies
13:00 - 14:30	<u>Lunch break</u>
14:30 (25 min) Earl Schulz: 15:10 (25 min) Tom Richtler:	Scaling relations – observations (Chair: Benoit Famaey) Scaling relations and the gravitational acceleration at the edge of disk galaxies Elliptical galaxies and the Baryonic Tully-Fisher Relation (BTFR)
,	Scaling relations and the gravitational acceleration at the edge of disk galaxies
15:10 (25 min) Tom Richtler: 15:50 - 16:35	Scaling relations and the gravitational acceleration at the edge of disk galaxies Elliptical galaxies and the Baryonic Tully-Fisher Relation (BTFR)

# Tuesday, 24.09.2019

09:00 (45 min) Constantinos Skordis: 10:00 (20 min) Hongsheng Zhao:	MOND lensing & relativistic theories (Chair: Mordehai Milgrom) A relativistic theory of Modified Newtonian Dynamics The alternative way to separate the baryon peaks from the lensing peaks of the Bullet Clusters
10:30 - 11:00	<u>Coffee break</u>
11:00 (25 min) Kyu-Hyun Chae: 11:40 (25 min) Chung-Ming Ko: 12:20 (25 min) Yong Tian:	<b>Lensing &amp; dynamics</b> (Chair: Tom Richtler) Radial Acceleration Relation in a supercritical acceleration range Gravitational lensing by spiral and elliptical galaxies in MOND Mass discrepancy-acceleration relation in Einstein rings
13:00 - 14:30	<u>Lunch break</u>
14:30 (25 min) Mordehai Milgrom: 15:10 (25 min) Stacy McGaugh:	<b>MOND &amp; cosmology</b> (Chair: Benoit Famaey) The $a_0$ - $\Lambda$ connection Signatures of MOND in cosmology
15:50 - 16:20	<u>Coffee break</u>
16:20 (25 min) Václav Vavryčuk: 17:00 (25 min) Benoit Famaey: 17:40 (25 min) Mahmood Roshan:	Other cosmological models (Chair: André Maeder)  CMB as thermal radiation of cosmic dust?  Superfluid dark matter and related ideas  Evolution of spiral galaxies: distinction between modified gravity and particle dark matter
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# Wednesday, 25.09.2019

09:00 (25 min) Riccardo Scarpa: 09:40 (25 min) Ricardo Adán Martín C 10:20 (25 min) Charalambos Pittordis	Wide binaries (Chair: Indranil Banik) Probing Newtonian Dynamics in the low acceleration regime with wide binary stars Fortés: Challenging a Newtonian prediction through Gaia wide binaries Testing modified gravity theories with wide binaries from Gaia DR2		
11:00 - 11:25	<u>Coffee break</u>		
11:25 (25 min) François Hammer: 12:05 (25 min) Donatella Romano:	ACDM simulations of dwarf galaxies (Chair: Akram Zonoozi) On the absence of dark matter in dwarf galaxies surrounding the Milky Way Gas removal from ultrafaint dwarf galaxies – a high-resolution study		
12:45 - 14:15	<u>Lunch break</u>		
Simulated 14:15 (25 min) Graeme Candlish: 14:55 (20 min) Hosein Haghi: 15:25 (25 min) Moritz Haslbauer: 16:05 - 16:30	galaxies without a dynamical discrepancy (Chair: Xufen Wu) The external field effect on cluster disk galaxies The dynamics of ultra-diffuse galaxies in MOND Galaxies lacking dark matter in cosmological ACDM simulations  Coffee break & group photo		
Observations of dwarf galaxies and galaxy clusters (Chair: Oliver Müller)			
16:30 (25 min) Steffen Mieske: 17:10 (25 min) Michael Hilker:	Gravity tests with dwarf galaxy structure  Kinematic complexity in a rising velocity dispersion profile around  the Hydra I cluster central galaxy NGC 3311		
17:50 (25 min) Michael Fellhauer:	Sometimes Newton is enough		
18:30 - 18:50	<u>Discussion</u> (Chair: Hosein Haghi)		
19:30	<u>Dinner</u>		

# Thursday, 26.09.2019

09:00 (25 min) Marcel Pawlowski: 09:40 (25 min) Oliver Müller:	Satellite planes (Chair: François Hammer) Planes of satellites: observational evidence in light of Gaia DR2, and testing proposed solutions with cosmological simulations Small-scale cosmology with dwarf galaxies
10:20 - 10:50	<u>Coffee break</u>
10:50 (25 min) Nils Wittenburg: 11:30 (25 min) Indranil Banik: 12:10 (25 min) Ingo Thies:	MOND simulations (Chair: Michal Bilek) The formation of late-type galaxies in MOND Simulating disk galaxies in MOND: application to M33 On the origin of the Local Group in Modified Newtonian Dynamics
12:50 - 14:30	<u>Lunch break</u>
14:30 (25 min) Yanbin Yang: 15:10 (25 min) Wolfgang Oehm:	<b>Galaxy groups</b> (Chair: Moritz Haslbauer) The origin of the Magellanic Clouds and their Stream Constraints on the existence of dark matter haloes by the M81 group and the Hickson compact groups of galaxies
15:50 - 16:20	<u>Coffee break</u>
16:20 (25 min) Xavier Hernández: 17:00 (25 min) Michal Bilek: 17:40 (25 min) Jörg Dabringhausen	Elliptical galaxies (Chair: Michael Hilker) MONDian gravity in astrophysical systems beyond rotation curves: elliptical galaxies, globular clusters and wide binaries Gravitational fields of early-type galaxies investigated using the kinematics of globular clusters Early-type galaxies without non-baryonic dark matter
18:20 - 18:40	<u>Discussion</u> (Chair: Indranil Banik)

## Friday, 27.09.2019

09:00 (25 min) Xufen Wu: 09:40 (25 min) Guillaume Thomas:	Star cluster and galaxy simulations (Chair: Graeme Candlish) The anisotropy of star clusters undergoing gas expulsion The External Field Effect of the Milky Way and its impact on globular clusters
10:20 (25 min) Behnam Javanmardi:	Number of Satellites vs. Bulge Mass in ΛCDM
11:00 - 11:30	<u>Coffee break</u>
11:30 - 13:00	<u>Debate</u> (Chair: Stacy McGaugh)
13:00 - 14:30	<u>Lunch break</u>
14:30 (25 min) Mariano Cadoni:	<b>Other gravity theories</b> (Chair: Pavel Kroupa)  Anomalous rotation curves of galaxies as a long-range quantum gravity effect
15:10 (25 min) Antonaldo Diaferio 15:50 (25 min) Dragan Slavkov Hajo	, ,
16:30	End of conference