

CAST Outing

Monday, November 14, 2022

Scientific Talks (2:30 PM - 6:00 PM)

time	[id] title	presenter
2:30 PM	[M] Welcome	
2:40 PM	[M] The nuclear stellar ring in NGC1097	CHRISTIAN ALIG
3:00 PM	[M] SISSI: Supernovae in a stratified, shearing Interstellar Medium	LEONARD ROMANO
3:30 PM	[M] Understanding the Origin and Evolution of the Radcliffe Wave in the Milky Way	HANS-CHRISTIAN POOSCH
4:00 PM	[M] First impressions of Krome in Ramses	STEFAN HEIGL
4:20 PM	Coffee Break	
4:40 PM	[M] Gas-flow regulated star formation in galaxies	ANDREAS BURKERT
5:00 PM	[M] Structure and Kinematics of the Local Interstellar Medium	RALF KONIETZKA
5:30 PM	[M] Density PDFs in Galactic gas disk simulations	VALENTIN THOSS

Tuesday, November 15, 2022

Scientific Talks (9:00 AM - 12:00 PM)

time	[id] title	presenter
9:00 AM	[M] Multi-scale machine learning for column density factors in turbulent flows	ELENA HOEMANN
9:30 AM	[M] Impact of the hydrodynamical scheme on high resolution simulations of structure formation	FREDERICK GROTH
10:00 AM	[M] X-ray emission from WHIM in Magneticum	ILDAR KHABIBULLIN
10:20 AM	Coffee Break	
10:40 AM	[M] A new BH mass scaling relations based on gas excitation	ALMUDENA PRIETO
11:00 AM	[M] SLOW Cosmic Rays	LUDWIG BÖSS
11:30 AM	[M] Black hole spin evolution in hydrodynamical simulations: a step towards AGN jet feedback modelling.	LUCA SALA

Scientific Talks (5:10 PM - 6:15 PM)

time	[id] title	presenter
5:10 PM	[M] X-rays from Simulations using Phox	STEPHAN VLADUTESCU-ZOPP
5:40 PM	[M] Astrophysical processes for generating cosmic rays and magnetic fields in galaxy clusters	DANIEL KARNER
5:55 PM	[M] Surprise	KLAUS DOLAG

Wednesday, November 16, 2022

Scientific Talks (9:00 AM - 12:00 PM)

time	[id] title	presenter
9:00 AM	[18] The Gedanken Experiment on Disk Instability	MANUEL BEHRENDT
9:20 AM	[19] The Bathtub Model in the Magneticum Simulations	SILVIO FORTUNÉ
9:50 AM	[26] Test against data for Local Universe Simulations	ELENA HERNANDEZ
10:20 AM	Coffee Break	
10:40 AM	[21] Simulating galaxies and their complex life	MILENA VALENTINI
11:00 AM	[22] Virialization and energy conservation in galaxy clusters	JUSTO GONZALEZ VILLALBA
11:30 AM	[20] The shape of nothing: Void ellipticities and cosmology	BENJAMIN SEIDEL

Scientific Talks (2:00 PM - 3:15 PM)

time	[id] title	presenter
2:00 PM	[8] Evolution of Galaxy Mergers in Cluster Environment	ANNA IVLEVA
2:15 PM	[24] The Role of Viscosity in Galaxy Clusters	TIRSO MARIN GILABERT
2:45 PM	[25] Galaxy cluster mergers with self-interacting dark matter	MORITZ FISCHER