

SAIP2022

Monday 04 July 2022

Astrophysics: Extragalactic 1 - Zoom Platform (11:30-13:00)

-Conveners: Brian van Soelen

time	[id] title	presenter
11:30	[38] Probing 2HDM+S with MeerKAT Galaxy Cluster Legacy Survey	LAVIS, Natasha
11:45	[142] MeerKAT's view on galaxy clusters: Diffuse radio emission in MeerKAT Galaxy Cluster Legacy Survey (MGCLS)	KOLOKYTHAS, Konstantinos
12:00	[80] Studying gas flows in the SUNBIRD starburst galaxies and LIRGs	JANSE VAN RENSBURG, Petro
12:15	[99] Spatially resolved stellar kinematics of the CLOGS brightest group early-type galaxies	STEVENS, Clinton
12:30	[290] Stellar populations of green valley galaxies	MAHORO, Antoine
12:45	[102] A study of the baryon cycle in groups at different stages of assembly	Mr SANKAR, Sriram

Astrophysics - Zoom Platform (15:00-16:30)

-Conveners: Geoff Beck

time	[id] title	presenter
15:00	[110] Cosmological Evolution through non-linear electrodynamics	DE KLERK, Carissa
15:15	[127] Simulating the radio emissions of dark matter for new high-resolution observations with MeerKAT	SARKIS, Michael BECK, Geoff
15:30	[78] Primordial Black Holes and the SZ effect.	TARRANT, Justine
15:45	[153] Constraining the properties of Dark Matter using multi-messenger observations of dwarf galaxies	Mr NOORBHAI, Raees
16:00	[193] Physics of the Early Universe	Ms NETSHIHENI, Shonisani Ednah Mr MADONSELA, Remember Ayanda
16:15	[36] Cosmological perturbations of interacting dark fluid models.	MBEWE, BONANG GEORGE

Tuesday 05 July 2022

Astrophysics - Zoom Platform (11:30-13:00)

-Conveners: Konstantinos Kolokythas

time	[id] title	presenter
11:30	[98] Spectral and temporal analysis of 16 short Gamma-Ray Bursts detected by the Fermi Space Telescope with know redshift	MAHESO, Dimakatso
11:45	[116] Tracing water masers at their smallest scale with VLBI	VORSTER, Jakobus
12:00	[30] SEEING THE INSIDE OF STARS WITH SOUND	Dr MEKONNEN MENGISTIE, Getachew
12:15	[56] Parametric Spectral and Light Curve Modelling of Gamma-ray Millisecond Pulsars	HAMED, Hend
12:30	[170] Constraining the multipolar magnetic field of millisecond pulsar PSR J0030+0451 via X-ray light curve fitting	KUNDU, Anu
12:45	[40] Modelling the multi-wavelength Non-thermal Emission of AR Sco.	VENTER, Christo

Thursday 07 July 2022

Astrophysics - Zoom Platform (11:30-13:00)

-Conveners: Christo Venter

time	[id] title	presenter
11:30	[268] African Astronomical Society (AfAS): the voice of astronomy in Africa	TAKALANA, Charles
11:45	[77] Taking the Nooitgedacht telescope to the next level	Mr HUG, Rigardt
12:00	[84] From setting up a new telescope to optimizing astrometric solutions.	LETSOALO, Jane Mankhubu
12:15	[74] A Closer Look at Potential Exoplanets Targets from the Nooitgedacht Observatory	VORSTER, Henriëtte

Astrophysics - Zoom Platform (15:00-16:30)

-Conveners: Vanessa McBride

time	[id] title	presenter
15:00	[205] Preparing to welcome the global astronomy community to Africa in 2024	MCBRIDE, Vanessa
15:15	[210] Spatio-Spectral Modelling of the Pulsar Wind Nebula Kes 75	VENTER, Christo
15:30	[293] Particle Acceleration at Reflected Shocks in Supernovae Remnants	LE ROUX, Jacobus Frederik
15:45	[182] SALT observations of gamma-ray binaries	VAN SOELEN, Brian