

SAIP2021

Monday 26 July 2021

Astrophysics - Potchefstroom Campus (11:30-13:00)

Astrophysics - Potchefstroom Campus (15:00-16:30)

Tuesday 27 July 2021

Astrophysics: Extra-galactic - Potchefstroom Campus (11:30-13:00)

-Conveners: Christo Venter

time	[id] title	presenter
11:30	[112] Time-Dependent Modeling of Blazar Spectral Variability with Diffusive Shock Acceleration	BOTTCHER, Markus
11:45	[320] Monte-Carlo Applications for Partially Polarized Inverse External-Compton Scattering (MAPPIES)	DREYER, Lente
12:00	[218] Modelling the Spectral Energy Distributions and Multi-Wavelength Polarisation of Blazars	SCHUTTE, Hester
12:15	[346] Simulations of Stochastic Long-Term Variability in Leptonic Models for External-Compton and Synchrotron Self-Compton Dominated Blazars	THIERSEN, Hannes
12:30	[120] Optical emission line properties of some little-known Narrow Line Seyfert 1 galaxies	Mr PAUL, Bynish
12:45	[150] A multi-band view on the evolution of group central galaxies	KOLOKYTHAS, Konstantinos

Astrophysics: Extra-galactic/Dark Matter - Potchefstroom Campus (15:00-16:30)

-Conveners: Markus Bottcher

time	[id] title	presenter
15:00	[118] A Study of The Lobes of Radio Galaxy Hydra A using MeerKAT Observations	NAIDOO, Mika
15:15	[72] Probing Dark Matter in the Madala Model using MeerKAT	TEMO, Ralekete
15:30	[223] Potential of the MeerKAT telescope to detect the stimulated decay of axion-like particles	AYAD, Ahmed
15:45	[79] Using Asymptotic Matching to Study Accretion Disks	Dr TARRANT, Justine
16:00	[324] Dark-fluid constraints of shear-free universes	Dr ELMARDI, Maye
16:15	[75] Diffusing assumptions in astroparticle physics	SARKIS, Michael

Thursday 29 July 2021

Astrophysics - Potchefstroom Campus (11:30-13:00)

-Conveners: Anu Kundu

time	[id] title	presenter
11:30	[110] Galaxy Evolution in the Local Universe: Studying the Complete Local-Volume Groups Sample (CLoGS)	Mr STEVENS, Clinton
11:45	[85] Simulating the enrichment of cosmological gas	HOUGH, Renier
12:00	[135] Spatio-Kinematics of the Massive Star Forming Region NGC6334I during a Episodic Accretion Event	Mr VORSTER, Jakobus
12:15	[309] A Monte Carlo simulation study of the excitation of molecules in high mass star forming regions	MFULWANE, Lebogang
12:30	[242] Bow shocks formed by massive runaway stars in 3D	RAMALATSWA, Katlego
12:45	[259] Capturing Transients -- From Biostatistics to Astronomy	VAN DYK, Anke

Astrophysics - Potchefstroom Campus (15:00-16:30)

-Conveners: Brian van Soelen

time	[id] title	presenter
15:00	[317] Shaken, not stirred: test particles in binary black hole mergers.	VAN DER MERWE, Pieter
15:15	[323] Satellite contamination on Single Dish HI Intensity Mapping with MeerKAT	ENGELBRECHT, Brandon
15:30	[313] Assessing TeV Visibility of Pulsars	VENTER, Christo
15:45	[334] Eliminating single-band dominance in dual-band pulsar light curve fitting	SEYFFERT, Albertus
16:00	[130] Constraining the magnetic field geometry of millisecond pulsar PSR J0030+0451 using NICER and Fermi data	KUNDU, Anu
16:15	[200] Phase-resolved polarimetric constraints on the white dwarf pulsar in AR Sco	DU PLESSIS, Louis

Friday 30 July 2021

Astrophysics - Potchefstroom Campus (11:30-13:00)