

## POSTER PRESENTATION LIST

Abs	Abstract Title	Title	First Name	Last Name	Abstract Parallel Theme
93	Quasi-Newtonian Cosmological Models in Scalar-Tensor Theories of Gravitation	Miss	Heba	Abdulrahman	Relativity and Gravity - Modifications of gravity
233	Unveiling the Signatures of an Evolving and Interacting Dark Sector	Ms	Eromanga	Adermann	Early Universe and Large Scale Structures - Large Scale Structures
122	A direct primitive variable recovery scheme for hyperbolic conservative equations: the case of relativistic hydrodynamics	Mr	Alejandro	Aguayo-Ortiz	Astroparticle Physics - AGN as Sources of Gamma-Rays, UHECRs and Neutrinos
360	AGN jets interacting with massive stellar clusters	Dr	Anabella	Araudo	Astroparticle Physics - AGN as Sources of Gamma-Rays, UHECRs and Neutrinos
56	Dynamical Analysis of Cylindrically Symmetric Anisotropic Sources in $f(R,T)$ Gravity	Mrs	Hina	Azmat	Relativity and Gravity - Modifications of gravity
209	The Future of Dark Matter with Neutrino Experiments	Dr	Geoff	Beck	Future Challenges and Experiments
95	How to determine a jump in energy prior to a causal barrier, with an attendant current, for an effective initial magnetic field. In the Pre Planckian to Planckian space-time	Dr	Andrew	Beckwith	Early Universe and Large Scale Structures - CMB
46	Is Octonionic Quantum Gravity relevant near the Planck Scale? – Measurement and Evaluation Re Considered	Dr	Andrew	Beckwith	Relativity and Gravity - Modifications of gravity
269	A new Angle on Action variables in the Kerr Metric	Dr	Jeandrew	Brink	Relativity and Gravity - Exact solutions, inhomogeneous models and averaging
187	Population of galactic pulsars in gravitational waves	Prof	Tomasz	Bulik	Gravitational Waves - Gravitational Waves: Direct Detection
75	Time Dependent Studies of Accretion Disk Images and Spectra using the Two Component Advective Flow Solution	Mr	Arka	Chatterjee	High Energy Astrophysics - Physics of Accretion
275	Unraveling the Physics of FR II Jets Using HST Polarimetry	Mr	Devon	Clautice	High Energy Astrophysics - Physics of Jets and the Disk-Jet Connection
357	Swift-BAT observations of cyclotron lines in HMXB.	Dr	Giancarlo	Cusumano	Astroparticle Physics - HE and VHE Gamma-Ray Astronomy
364	LATTES: a novel detector concept for a gamma-ray experiment in the Southern hemisphere	Prof	Alessandro	De Angelis	The Galactic Center
256	Role of Toroidal Flux Tubes in Collimation and Acceleration of Outflows in an Advective flow	Mr	Arnab	Deb	High Energy Astrophysics - Physics of Accretion
71	A generalized model for charged compact stars of embedding class 1 in $f(T)$ gravity	Mr	Debabrata	Deb	Relativity and Gravity - Modifications of gravity
72	Are strange stars possible candidate for dark energy stars?	Mr	Debabrata	Deb	Dark Matter and Dark Energy - Dark Energy
294	Supersoft and Quasisoft X-Ray Sources: What Are They?	Dr	Rosanne	Di Stefano	High Energy Astrophysics - X-Ray / Gamma-Ray Binaries

206	Spectral analysis of Fermi-LAT gamma-ray bursts with known redshift and their potential use as cosmological standard candles	Mr	Feraol F	Dirirsa	High Energy Astrophysics - Gamma-Ray Bursts
352	Gamma-Gamma Absorption in Gamma-Ray Burst Environments."	Ms	Lentè	Dreyer	High Energy Astrophysics - Gamma-Ray Bursts
51	Probing the Dark Side of the Universe through Modified gravity	Mr	Avishek	Dusoye	Early Universe and Large Scale Structures - CMB
149	Cosmology with intensity mapping beyond HI	Dr	José	Fonseca	Early Universe and Large Scale Structures - Large Scale Structures
342	Regular black holes in Einstein-Gauss-Bonnet gravity	Prof	Sushant	Ghosh	Relativity and Gravity - Modifications of gravity
341	Noncommutative geometry inspired Einstein-Gauss-Bonnet black holes	Prof	Sushant	Ghosh	Relativity and Gravity - Modifications of gravity
346	Repulsive Forces in Scalar-Tensor Theories	Mr	Robert	Hagala	Relativity and Gravity - Modifications of gravity
358	Which flatness problem does inflation solve?	Mr	Phillip	Helbig	Dark Matter and Dark Energy - Dark Energy
317	Accretion onto a black hole	Dr	Sehrish	Iftikhar	Relativity and Gravity - Exact solutions, inhomogeneous models and averaging
347	Very high-energy gamma-ray signature of ultrahigh-energy cosmic-ray acceleration in Centaurus A	Dr	Jagdish	Joshi	Astroparticle Physics - AGN as Sources of Gamma-Rays, UHECRs and Neutrinos
164	Multi-frequency observations of the A1682 galaxy clusters and its dark matter distribution from the weak lensing effect.	Ms	Nthabiseng	Khanye	Early Universe and Large Scale Structures - Gravitational Lensing
191	Charged fluid circling around compact objects - the astrophysical levitation	Dr	Jiri	Kovar	High Energy Astrophysics - Physics of Compact Objects
304	Testing Einstein-Dilaton-Gauss-Bonnet Black hole in strong gravity	Mr	Vedant	Kumar	Relativity and Gravity - Numerical Relativity
362	X-ray Spectropolarimetric Observation of Black Hole Binaries to test the General Relativity in Strong Gravity Regime	Mr	Vedant	Kumar	Relativity and Gravity - Numerical Relativity
182	GR-SPH: A method for relativistic gas dynamics	Mr	David	Liptai	High Energy Astrophysics - Tidal Disruption Events
309	Pulsars in compact orbits around Sgr A*	Dr	Walid	Majid	The Galactic Center
189	Spherical conformal models	Mr	Addial	Manjonjo	Relativity and Gravity - Exact solutions, inhomogeneous models and averaging
54	Stars with conformal symmetry	Mr	Addial	Manjonjo	Relativity and Gravity - Exact solutions, inhomogeneous models and averaging
254	Identifying potential new TeV blazars in the 3rd Fermi-LAT catalogue of hard gamma-ray sources	Mr	Johannes P	Marais	High Energy Astrophysics - Physics of Jets and the Disk-Jet Connection
96	Formation of Hoag's object from Quantum Gravity	Mr	Stuart	Marongwe	Dark Matter and Dark Energy - Dark Energy
116	Mapping the near-infrared counterparts of radio sources	Mr	Takalani	Marubini	Early Universe and Large Scale Structures - Large Scale Structures
117	A simple model of space structure	Prof	Manasse	Mbonye	Relativity and Gravity - Modifications of gravity
292	MOND as the weak field limit of a relativistic metric f(R,L_matt) theory of gravity	Dr	Sergio	Mendoza	Relativity and Gravity - Modifications of gravity

348	Searching for directional coincidence between high-energy neutrino events and flaring blazars	Dr	Luis S	Miranda Palacios	Astroparticle Physics - AGN as Sources of Gamma-Rays, UHECRs and Neutrinos
200	HAHSLM EQUATION AS GUIDANCE FOR COSMOLOGICAL COSTANT TO FORM REFLEXIVITY OF EARTH	Dr	Roikhan	Mochamad Aziz	Relativity and Gravity - Modifications of gravity
112	General solution for the vacuum electromagnetic field in the surroundings of a rotating star	Mr	Fabrice	Mottez	High Energy Astrophysics - Pulsars
110	Electron-positron pairs formed by collisions of gamma-rays with anisotropic distribution of low energy photons near pulsars	Mr	Fabrice	Mottez	High Energy Astrophysics - Pulsars
123	Stability Analysis of Oscillating Gaseous System	Miss	Saadia	Mumtaz	Relativity and Gravity - Numerical Relativity
30	The Influence of Initial Conditions during Dissipative collapse	Miss	Nolene F	Naidu	Relativity and Gravity - Exact solutions, inhomogeneous models and averaging
266	Radiative signatures of dynamical relativistic current layers	Dr	Krzysztof	Nalewajko	High Energy Astrophysics - Physics of Jets and the Disk-Jet Connection
349	The X/gamma-ray correlation in NGC 4945 and the nature of its gamma-ray source	Dr	Andrzej	Niedzwiecki	Astroparticle Physics - AGN as Sources of Gamma-Rays, UHECRs and Neutrinos
58	Search for Potential High Energy Blazar Candidates Among Fermi-LAT Unidentified Sources Using the same epoch of Fermi-LAT and Swift Observations.	Dr	Pheneas	Nkundabakura	Astroparticle Physics - AGN as Sources of Gamma-Rays, UHECRs and Neutrinos
216	Radio emission from Helium Nova V445 puppis	Miss	Miriam M	Nyamai	High Energy Astrophysics - Physics of Compact Objects
228	Reconstructing Three-Dimensional Jet Geometry from Two-Dimensional images	Dr	Eric	Perlman	High Energy Astrophysics - Physics of Jets and the Disk-Jet Connection
129	"Pulsar magnetospheric emission: a comparison between polar cap, slot gap and outer gap"	Mr	Jérôme	Petri	High Energy Astrophysics - Pulsars
128	Radiation and polarization from an off-centred rotating dipole	Mr	Jérôme	Petri	High Energy Astrophysics - Pulsars
131	Strongly magnetized rotating dipole in general relativity.	Mr	Jérôme	Petri	High Energy Astrophysics - Physics of Compact Objects
350	Application of VLBA and Gaia results to physics of active galactic nuclei	Mr	Alexander	Plavin	High Energy Astrophysics - Physics of Jets and the Disk-Jet Connection
302	The first IACT in the TAIGA observatory: first data and the joint operation with the wide angle timing Cherenkov array	Dr	Evgeny	Postnikov	Future Challenges and Experiments
146	Fractal universe and quantum gravity in brane-antibrane system	Prof	Anirudh	Pradhan	Relativity and Gravity - Numerical Relativity
356	Twelve years of MAGIC observations of the intriguing blazar PG 1553+113	Dr	Elisa	Prandini	Astroparticle Physics - HE and VHE Gamma-Ray Astronomy
333	Spherical accretion in five-component elliptical galaxies : multi-transonicity, shocks and implications on AGN feedback	Ms	Sananda	Raychaudhuri	High Energy Astrophysics - Physics of Accretion
170	Multiwavelength modeling of the Vela pulsar pulses - from Optical light to VHE gamma-rays	Prof	Bronislaw	Rudak	High Energy Astrophysics - Pulsars
365	Neutrinos, Calibration or New Physics behind the Cluster Count discrepancy ?	Mr	Ziad	Sakr	Early Universe and Large Scale Structures - Large Scale Structures

174	The Puzzling Nature of the very young microquasar Cir X-1	Dr	Norbert S.	Schulz	High Energy Astrophysics - X-Ray / Gamma-Ray Binaries
139	Anisotropic Perturbations and Stability of Einstein Universe in $f(G,T)$ Gravity	Prof	Muhammad	Sharif	Relativity and Gravity - Modifications of gravity
363	Investigating electronic pedestals of the analogue front-end boards of the upgraded High-Energy Stereoscopic System (H.E.S.S.-I) cameras	Mr	Kleopas	Shiningayamwe	Astroparticle Physics - HE and VHE Gamma-Ray Astronomy
98	Imprint of nuclear bubble structure in torsional oscillations	Dr	Hajime	Sotani	High Energy Astrophysics - Physics of Compact Objects
99	Pulse profiles from a pulsar in scalar-tensor gravity	Dr	Hajime	Sotani	Relativity and Gravity - Modifications of gravity
193	Astrophysical phenomena in the field of mining Kerr-Newman superspinning spacetimes	Prof	Zdenek	Stuchlik	High Energy Astrophysics - Physics of Compact Objects
354	Making Light of Gravitational Waves	Dr	Justine	Tarrant	Gravitational Waves - EM Counterparts of Gravitational Waves
359	Probing the Fast Radio Burst Population with CHIME	Dr	Shriharsh	Tendulkar	High Energy Astrophysics - Fast Radio Bursts
201	Study of extended sources and their diffuse emission	Mr	Siphiwe	Thwala	High Energy Astrophysics - Physics of Jets and the Disk-Jet Connection
248	Equilibrium structures of rotating charged tori around a compact object in rotation	Dr	Audrey	Trova	High Energy Astrophysics - Physics of Accretion
355	SN1987A: were there two neutrinos' bursts?	Prof	Rodolfo	Valentim Da Costa Lima	High Energy Astrophysics - Physics of Compact Objects
270	An investigation of synchrotron emission in relativistic AGN jets using 3D grid based hydrodynamic simulations	Mr	Izak	V d Westhuizen	High Energy Astrophysics - Physics of Jets and the Disk-Jet Connection
267	Southern African Large Telescope observations and updated orbital parameters of LMC P3	Dr	Brian	Van Soelen	High Energy Astrophysics - X-Ray / Gamma-Ray Binaries
37	Probing the nature of dark energy with 21-cm intensity mapping	Mr	Elimboto	Yohana	Dark Matter and Dark Energy - Dark Energy
353	Monitoring of the FSRQ PKS 1510-089 with H.E.S.S.	Dr	Michael	Zacharias	High Energy Astrophysics - Physics of Jets and the Disk-Jet Connection
55	Static spherically symmetric wormholes in $f(R,T)$ gravity	Dr	Muhammad	Zubair	Relativity and Gravity - Modifications of gravity