

Session Program

9-15 Oct 2022

Tenth International Fermi Symposium

Poster session

Tuesday 11 October

10:30

Poster session: Poster Session

Session |

Location: Misty Hills Country Hotel, Conference Centre & Spa, Muldersdrift Estate, 69 Drift Blvd, Muldersdrift, Johannesburg, 1747

10:30–10:31

Inverse Compton emission from relativistic particles accelerated at shear layers in relativistic jets

Speaker

Mr Tej Bahadur Chand

10:30–10:31

Multi-messenger characterization of Mrk501 during historically low X-ray and γ -ray activity

Speaker

Lea Alina Heckmann

10:31–10:32

Multi-wavelength study of blazars at redshift $z \gtrsim 1$ observed by H.E.S.S.

Speaker

Ogochukwu Chibueze

10:31–10:32

Detection of transient quasi-periodic flux modulation at gamma-rays from blazar PKS 0903-57

Speaker

Mr ABHRADEEP ROY

10:32–10:33

Multiwavelength study of 2020 and 2021 flares of S5 1803+784

Speaker

Joseph Omojola

10:32–10:33

Flare States Modeling and Spectral Study of S5 1044+71

Speaker

Anshu Chatterjee

10:33–10:34

Radiation and polarization signatures from magnetic reconnection in blazars

Speaker

Dr Haocheng Zhang

10:33–10:34

X-ray and MeV polarization signatures as a probe for hadronic signatures in blazars

Speaker

Dr Haocheng Zhang

10:34–10:35

SALT Spectropolarimetric Pipeline Comparisons

Speaker

Mr Justin Cooper

10:34–10:35

Results from optical spectropolarimetric & photometric observations of blazars**Speaker**

Joleen Barnard

10:35–10:36

Modelled light curve variability due to blob injection in RMHD jet simulations**Speaker**

Daniel Kulik

10:35–10:36

The first GeV flare of the radio-loud narrow-line Seyfert 1 galaxy PKS 2004-447**Speaker**

Andrea Gokus

10:36–10:37

Gamma-ray emission from extended jets of LLAGNs - NGC315 and NGC4261**Speaker**

Gunjan Tomar

10:36–10:37

Constraining magnetic fields and gamma-ray production zones in blazar jets by fitting the broad-band spectral energy distribution.**Speaker**

Mr Mfuphi Ntshatsha

10:37–10:38

A hadronic synchrotron mirror model for blazars - Application to 3C279**Speaker**

Laenita Lorraine Oberholzer

10:37–10:38

One-HaLe model for the SED of blazars and the curious case of CGRaBS J0211+1051**Speakers**

Pranjudriya Goswami, Dr Sunil Chandra

10:38–10:39

GRB 201216C: A TeV Detected Gamma-ray burst at $z=1.1$ **Speakers**

Amit Kumar, Mr Amit Kumar

10:38–10:39

Neural Networks for Estimation of Gamma-Ray Burst Redshifts**Speaker**

Tamador Aldowma

10:39–10:40

Deep Search for and Investigations of Untriggered Gamma-Ray Transient Events Using Fermi/GBM Data**Speaker**

Özge Keskin

10:40-10:41 The properties of the outflow and prompt emission of 14 LAT GRBs**Speaker**

Saeeda Sajjad

10:41-10:42**Modelling external inverse Compton emission of gamma-ray burst afterglows in the very-high-energy regime****Speaker**

Dr Monica Barnard

10:41-10:42 The MAGIC VHE GRB program**Speaker**

Francesco Longo

10:42-10:43 Anisotropic diffusion cannot explain TeV halos**Speaker**

Pedro De la Torre Luque

10:43-10:44**Particle acceleration in core-collapse supernova remnant expanding inside a wind bubble****Speaker**

Robert B.

10:44-10:45**On the origin of the complex energy-dependent structure of HESS J1702-420****Speaker**

Dr Masha Chernyakova

10:45-10:46 Particle Acceleration at Reflected Shocks in Supernovae Remnants**Speaker**

Mr Jacobus Frederik le Roux

10:47-10:48 Simulating the Operations and Observations of BurstCube**Speaker**

Pi Nuessle

10:47-10:48**Searching the COMPTEL Data for Sources of the Fermi-LAT 1FLE Catalog****Speaker**

Dr Werner Collmar

10:48-10:49**Progress of a future space Japanese mission for GRB observations: HiZ-GUNDAM****Speaker**

Makoto Arimoto

10:49-10:50 Synergies between SKA and LSST surveys**Speaker**

Nomthendeleko Motha

10:50-10:51 Next incremental release of the Fermi LAT source catalog

Speaker

Jean Ballet

10:51–10:52 **The LAT view on VHE sources****Speaker**

Prof. Stefan Wagner

10:52–10:53

Burst Properties of Two Magnetars: SGR J1818.0-1607 and PSR J1846.4-0258**Speaker**

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10:53–10:54

A Morphological Study and of the Light Curves of Gamma-ray Millisecond Pulsars**Speaker**

Ms Hend Hamed

10:54–10:55 **Radio pulsations from LS I 61 303****Speaker**

Diego F Torres

10:55–10:56

Modelling the observability of neutrinos from quiescent blazars with KM3NeT**Speaker**

Bhuti Nkosi

10:56–10:57 **The Fermi-LAT/GBM Mentoring Program (MP)****Speaker**

Giovanna Senatore

10:57–10:58

Exotic dark matter searches in dwarf spheroidal galaxies with the MAGIC telescopes: From secluded and branon DM to probing DM annihilation into neutrinos**Speaker**

Tjark Miener

10:58–10:59

Properties of Coronal Mass Ejection and Type II Solar Radio Burst Associated with Sustained >100 MeV Gamma-ray Emission Event Observed by FERMI/LAT**Speaker**

Pertti Makela

10:59–11:00 **Multi-messenger Astrophysics Master Class: Gamma Rays****Speaker**

Lynn Cominsky

11:00

Wednesday 12 October

14:00

14:15

Poster session

Session |

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