

**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 $\gamma$ -ray activity

**Speaker**

Lea Alina Heckmann

10:31–10:32

#### Multi-wavelength study of blazars at redshift $z \sim 1$ 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**

Pranjupriya 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

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