

TeVPA 2018

Monday 27 August 2018 - Friday 31 August 2018

LVH, Luisenstraße 58, 10117 Berlin

Programme

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Monday 27 August 2018

Gamma Rays: 1 - (16:15-17:50)

Chair 1: Stefan Ohm | Chair 2: Ruben Lopez-Coto | Chair 3: Sara Buson | Chair 4: Felicia Krauss | Chair 5: Francesco Longo | Chair 6: David Sanchez | Chair 7: Konstancja Satalecka

- Conveners: Dr. Lopez-Coto, Ruben; Dr. Buson, Sara; Mr. Ohm, Stefan

| time | title | presenter |
|-------|--|----------------------|
| 16:15 | Future space observatories for low energy gamma rays | RANDO, Riccardo |
| 16:35 | Development of Next Generation sub-MeV and MeV Gamma-ray Detector | YONEDA, Hiroki |
| 16:50 | AdEPT, the Advanced Energetic Pair Telescope for Medium-Energy Gamma-Ray Polarimetry | TIMOKHIN, Andrey |
| 17:05 | Towards multi-instrument and reproducible gamma-ray analysis | NIGRO, Cosimo |
| 17:20 | Overview of Results from the HAWC Gamma Ray Observatory | FLEISCHHACK, Henrike |
| 17:35 | The Transient program of the Cherenkov Telescope Array | SCHUSSLER, Fabian |

Tuesday 28 August 2018

Gamma Rays: 2 - -1- Lecture hall (14:00-15:45)

Chair 1: Stefan Ohm | Chair 2: Ruben Lopez-Coto | Chair 3: Sara Buson | Chair 4: Felicia Krauss | Chair 5: Francesco Longo | Chair 6: David Sanchez | Chair 7: Konstancja Satalecka

- Conveners: Dr. Lopez-Coto, Ruben; Dr. Buson, Sara; Mr. Ohm, Stefan

| time | title | presenter |
|-------|--|-------------------|
| 14:00 | Fermi LAT observation of the Sun | LONGO, Francesco |
| 14:20 | The many surprises from high-energy gamma-ray observations from the Sun | KENNY CHUN YU, Ng |
| 14:35 | The Colliding Wind Binary Eta Carinae as seen with the H.E.S.S. telescopes | LESER, Eva |
| 14:50 | Hadronic acceleration and obscuration in η Carinae at TeV energies | BALBO, Matteo |
| 15:05 | 3D MHD simulations of particle acceleration in Gamma Velorum, Eta Carinae, WR 147, and HD 93129A | REITBERGER, Klaus |
| 15:20 | Observation of TeV Gamma Rays from the Jet Interaction Regions of SS 433 with HAWC | RHO, Chang Dong |

Gamma Rays: 3 - -1- Lecture hall (16:45-18:30)

Chair 1: Stefan Ohm | Chair 2: Ruben Lopez-Coto | Chair 3: Sara Buson | Chair 4: Felicia Krauss | Chair 5: Francesco Longo | Chair 6: David Sanchez | Chair 7: Konstancja Satalecka

- Conveners: Dr. Lopez-Coto, Ruben; Dr. Buson, Sara; Mr. Ohm, Stefan

| time | title | presenter |
|-------|---|---------------------------|
| 16:45 | Gamma-ray emission from massive star clusters | YANG, Ruizhi |
| 17:05 | Observation of Galactic gamma-ray sources above 100 TeV with the HAWC Observatory | BRISBOIS, Chad |
| 17:20 | Three-dimensional models of the interstellar medium for the propagation of cosmic rays and their non-thermal interstellar emissions | PORTER, Troy |
| 17:35 | Modeling the non-thermal emission from stellar bow shocks | DEL VALLE, Maria Victoria |
| 17:50 | H.E.S.S. observations of the Small Magellanic Cloud | HAUPT, Maria |
| 18:05 | The Disconnect Between Radio and Gamma-Ray Emission in Arp 220 | YOAST-HULL, Tova |

Wednesday 29 August 2018

Gamma Rays: 4 - -2- B. von Langenbeck (14:00-15:45)

Chair 1: Stefan Ohm | Chair 2: Ruben Lopez-Coto | Chair 3: Sara Buson | Chair 4: Felicia Krauss | Chair 5: Francesco Longo | Chair 6: David Sanchez | Chair 7: Konstancja Satalecka

- Conveners: Dr. Lopez-Coto, Ruben; Dr. Buson, Sara; Mr. Ohm, Stefan

| time | title | presenter |
|-------|---|----------------------|
| 14:00 | The First Catalog of Fermi-LAT sources below 100 MeV | PRINCIPE, Giacomo |
| 14:15 | The gamma rays origin of Fermi-LAT blazars, beyond the broad line region? | CUTINI, Sara |
| 14:30 | Unravelling the complex behaviour of our closest very-high-energy gamma-ray blazars, Mrk421 and Mrk501 | PANEQUE, David |
| 14:45 | MAGIC observations of VHE gamma rays from the flaring blazar TXS 0506+056 coincident with high-energy neutrino IceCube-170922A and implications | FOFFANO, Luca |
| 15:00 | Is PKS 0625-354 a radio galaxy? | WIERZCHOLSKA, Alicja |
| 15:15 | Very high energy gamma rays from Centaurus A and two zone lepto-hadronic modelling | JOSHI, Jagdish |
| 15:30 | The electrostatic instability for realistic pair distributions in blazar/EBL cascades | VAFIN, Sergei |

Gamma Rays: 5 - -1- Lecture hall (16:15-18:05)

Chair 1: Stefan Ohm | Chair 2: Ruben Lopez-Coto | Chair 3: Sara Buson | Chair 4: Felicia Krauss | Chair 5: Francesco Longo | Chair 6: David Sanchez | Chair 7: Konstancja Satalecka

- Conveners: Dr. Lopez-Coto, Ruben; Dr. Buson, Sara; Mr. Ohm, Stefan

| time | title | presenter |
|-------|---|--------------------------------|
| 16:15 | The Galactic Centre region in gamma rays | LEMIERE, ANNE |
| 16:35 | Pevatron at the Galactic Center: Multi-Wavelength Signatures from Millisecond Pulsars | GUÉPIN, Claire |
| 16:50 | The Fermi GeV Excess as a Tracer of Stellar Mass in the Bulge: Results with SkyFACT | STORM, Emma |
| 17:05 | Gamma-ray emission at the base of the Fermi bubbles | MALYSHEV, Dmitry |
| 17:20 | The Fermi bubble study with future gamma ray experiments | YANG, Lili RAZZAQUE, Soebur |
| 17:35 | Bayesian Model Comparison and Analysis of the Galactic Disk Population of Gamma-Ray Millisecond Pulsars | EDWARDS, Thomas |
| 17:50 | Connecting IceCube neutrinos to Galactic TeV photons | KACHELRIESS, Michael |

Thursday 30 August 2018

Gamma Rays: 6 - -2- B. von Langenbeck (16:15-18:00)

Chair 1: Stefan Ohm | Chair 2: Ruben Lopez-Coto | Chair 3: Sara Buson | Chair 4: Felicia Krauss | Chair 5: Francesco Longo | Chair 6: David Sanchez | Chair 7: Konstancja Satalecka

- Conveners: Dr. Lopez-Coto, Ruben; Dr. Buson, Sara; Mr. Ohm, Stefan

| time | title | presenter |
|-------|---|----------------------|
| 16:15 | Pulsars at the Very High Energies: an update from MAGIC | CERIBELLA, Giovanni |
| 16:32 | The Energy-dependent γ -ray Morphology of the Crab Nebula Observed with the Fermi Large Area Telescope | YEUNG, Paul Kin-Hang |
| 16:49 | A new explanation for the two breaks in the spectrum of the Crab Nebula. | VINK, Jacco |
| 17:06 | The Milky Way in TeV Gamma Rays | BERGE, David |
| 17:23 | Rise of the Leptons: Pulsar Emission Dominates the TeV Gamma-Ray Sky | LINDEN, Tim |
| 17:40 | Exploring the nature of a possible neutrino source MGRO J1908+06 | LI, Jian |

Friday 31 August 2018

Gamma Rays: 7 - -2- B. von Langenbeck (14:00-16:02)

Chair 1: Stefan Ohm | Chair 2: Ruben Lopez-Coto | Chair 3: Sara Buson | Chair 4: Felicia Krauss | Chair 5: Francesco Longo | Chair 6: David Sanchez | Chair 7: Konstancja Satalecka

- Conveners: Dr. Lopez-Coto, Ruben; Dr. Buson, Sara; Mr. Ohm, Stefan

| time | title | presenter |
|-------|--|--------------------|
| 14:00 | AGILE gamma-ray transients and IceCube neutrinos | PITTORI, Carlotta |
| 14:17 | Gamma-ray counterparts of IceCube track-type high-energy neutrino events | GARRAPPA, Simone |
| 14:34 | Towards more robust models of extragalactic gamma-ray propagation | DZHATDOEV, Timur |
| 14:51 | In-vacuo-dispersion-like spectral lags in gamma-ray bursts | RONCO, Michele |
| 15:08 | Modelling of gamma ray bursts and predictions for CTA observations | BOSNJAK, Zeljka |
| 15:25 | The TAIGA Experiment | TLUCZYKONT, Martin |
| 15:42 | Status of the LHAASO observatory | CAO, Zhen |