

Session Program

21-24 Oct 2017

Three elephants in the gamma-ray sky: Loop I, the Fermi bubbles, and the Galactic center excess

Session

Garmisch-Partenkirchen
ATLAS POSTHOTEL Goldener Saal Marienplatz 12, Garmisch-Partenkirchen Bavaria, Germany
www.atlas-posthotel.com

Sunday 22 October

11:00

Session: Propagation in the Galaxy

Session |

Location: Garmisch-Partenkirchen, ATLAS POSTHOTEL Goldener Saal Marienplatz 12, Garmisch-Partenkirchen Bavaria, Germany www.atlas-posthotel.com

11:00–11:20 **Cosmic rays and Galactic winds**

Speaker

Christoph Pfrommer

11:20–11:40 **Simulation of Galactic propagation**

Speaker

Ralf Kissmann

11:40–12:00 **Non-linear cosmic ray transport**

Speaker

Dr Carmelo Evoli

12:00–12:20 **SkyFACT**

Speaker

Emma Storm

12:20

16:00

Session: Loop I modeling and distance measurements

Session |

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16:00–16:20 **Dust reddening and distance to gas**

Speaker

Douglas Finkbeiner

16:20–16:40 **Loops and superbubbles in H I**

Speaker

Naomi McClure-Griffiths

16:40–17:00 **Microwave haze**

Speaker

Liu Hao

17:20

Monday 23 October

10:40

Session: Galactic propagation, leptonic models of GC excess

Session |

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10:40–11:00 **GC excess and interstellar radiation near the GC**

Speaker

Gudlaugur Johannesson

11:00–11:20 **CR transport and anisotropic diffusion**

Speaker

Andrea Vittino

11:20–11:40 **Diffuse modeling and GC excess**

Speaker

Tim Linden

11:40

13:40

Session: Statistical methods

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13:40–14:00 **X-shaped bulge**

Speaker

Roland Crocker

14:00–14:20 **D3PO**

Speaker

Torsten Ensslin

14:20–14:40 **The morphology of the GeV excess revisited**

Speaker

Richard Bartels

14:40–15:00 **Wavelet analysis of the Inner Galaxy**

Speaker

Ilias Cholis

15:00–15:20 **Spectral analysis of GC excess**

Speaker

Xiaoyuan Huang

15:20

16:00

Session: Multi-wavelength, multi-messenger studies of the Galaxy

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16:00–16:20 **Diffuse emission with HESS / CTA**

Speaker
Markus Holler

16:20–16:40 **Cosmic rays and interstellar emissions from radio to gamma rays**

Speaker
Elena Orlando

16:40–17:00

Fermi bubbles: X-ray and gamma-ray evidence for a supersonically expanding shell

Speaker
Uri Keshet

17:00–17:20 **Our Galaxy dominates the high-energy neutrino sky**

Speaker
Ilya Gurwich

17:40

Tuesday 24 October

09:00

Session: GC excess and millisecond pulsars

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09:00–09:20

MSP interpretation of the gamma-ray signal in M31

Speaker

Gabrijela Zaharijas

09:20–10:00

Radio Searches for Pulsars in the Galactic Center

Speaker

Julia Deneva

10:00–10:20

Characterizing the Population of Gamma-Ray Pulsars in the Galactic Bulge

Speaker

Eric Charles

10:20–10:40

Neural network analysis of GC excess

Speaker

Luc Hendriks

10:40

11:20

Session: Discussions

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12:20