

CASPAR 2013

DESY building 61, Lecture Hall

Galactic Cosmic Rays Week

Tuesday, 10th of September

- 08:50-09:00 **Welcome speech**
- 09:00-10:00 **Kathrin Egberts**, Leopold-Franzens-Universität, Innsbruck, Austria
“Galactic Cosmic Rays with H.E.S.S.”
- 10:00-11:00 **Iris Gebauer**, Karlsruhe Institute of Technology, Karlsruhe, Germany
“Results from AMS-02”
- 11:00-11:30 coffee break
- 11:30-12:30 **Daniele Gaggero**, SISSA, Trieste, Italy
“Modeling of Galactic CR propagation in our Galaxy in light of recent AMS results”
- 14:30-15:00 coffee break
- 15:00-17:00 **Discussion session I**

Wednesday, 11th of September

- 09:00-10:00 **Martin Pohl**, DESY, Zeuthen, Germany
“Sources of galactic cosmic rays”
- 10:00-11:00 **Diego F. Torres**, Institute of Space Sciences, Barcelona, Spain
“Galactic cosmic-ray & gamma-ray sources”
- 11:00-11:30 coffee break
- 11:30-12:30 **Stefano Gabici**, APC, Paris, France
“Origin of galactic cosmic rays: the role of gamma-ray observations”
- 14:30-15:00 coffee break
- 15:00-16:00 **Dmitri Semikoz**, APC, Paris, France
“Anisotropic CR Diffusion and its Implications for Gamma-Ray Astronomy”
- 16:00-17:00 **Discussion session II**

Thursday, 12th of September

- 09:00-10:00 **Reinhard Schlickeiser**, Universität Bochum, Bochum, Germany
"Cosmic ray transport in the interstellar medium"
- 10:00-11:00 **Alex Lazarian**, University of Wisconsin, Madison, USA
"Acceleration of cosmic rays in shocks and reconnection sites"
- 11:00-11:30 coffee break
- 11:30-12:30 **Huirong Yan**, Peking University, Beijing, China
"Particle transport and acceleration in turbulence"
- 14:30-15:00 coffee break
- 15:00-16:00 **Andrii Neronov**, ISDC Data Centre for Astrophysics, Geneva, Switzerland
"Localisation of CR sources via extended γ and neutrino emission around them"
- 16:00-17:00 **Discussion session III**

Friday, 13th of September

- 09:00-10:00 **Pierre Salati**, LAPTh, Annecy-le-Vieux, France
"Cosmic ray propagation and the generalized central limit theorem"
- 10:00-11:00 **Gabrijela Zaharijas**, ICTP, Trieste, Italy
"Search for Dark Matter in the Galaxy"
- 11:00-11:30 coffee break
- 11:30-12:30 **Piero Ullio**, SISSA, Trieste, Italy
"Complementaries in indirect dark matter searches"
- 14:30-15:00 coffee break
- 15:00-16:00 **Philipp Mertsch**, Stanford University, Stanford, USA
"Dark matter searches in charged cosmic rays? Really?"
- 16:00-17:00 **Discussion session IV**

Saturday, 14th of September 2013 :: Visiting Hamburg

UHE Cosmic Rays Week

Monday, 16th of September 2013

- 08:50-09:00 **Welcome speech**
- 09:00-10:00 **Eli Waxman**, Weizmann Institute of Science, Rehovot, Israel
“New developments in our understanding of the origin of CRs”
- 10:00-11:00 **Serap Tilav**, University of Delaware, Newark, USA
“PeV Cosmic Rays measured by IceCube/IceTop”
- 11:00-11:30 coffee break
- 11:30-12:30 **Torsten Enßlin**, Max-Planck-Institut für Astrophysik, Garching, Germany
“An almost perfect Universe - results from the Planck mission”
- 14:30-15:00 coffee break
- 15:00-16:00 **Juan A. Aguilar Sánchez**, Université de Genève, Geneva, Switzerland
“Neutrino astronomy with IceCube”
- 16:00-17:00 **Hans Dembinski**, Karlsruher Institut für Technologie, Karlsruhe, Germany
“Recent results from the Pierre Auger Observatory”

Tuesday, 17th of September 2013

- 09:00-10:00 **Glennys Farrar**, NYU, New York, USA
“Galactic Magnetic Field and Cosmic Rays”
- 10:00-11:00 **Dongsu Ryu**, Chungnam National University, Daejeon, Korea
“Intergalactic Magnetic Field and Propagation of Ultra-High-Energy Cosmic Rays”
- 11:00-11:30 coffee break
- 11:30-12:30 **Hyesung Kang**, Pusan National University, Pusan, Korea
“Diffusive shock acceleration at cosmological shock waves”
- 14:30-15:00 coffee break
- 15:00-16:00 **Martin Lemoine**, IAP, Paris, France
“Acceleration to ultra-high energies”
- 16:00-17:00 **Discussion session V**

Wednesday, 18th of September 2013

- 09:00-10:00 **Angela Olinto**, Kavli Institute for Cosmological Physics, Chicago, USA
“Where did UHECRs come from?”
- 10:00-11:00 **Denise Boncioli**, INFN-LNGS, L'Aquila, Italy
“Extragalactic propagation of UHECRs”
- 11:00-11:30 coffee break
- 11:30-12:30 **Daniel Kuempel**, RWTH Aachen University, Germany
“Propagation and interpretation of ultra-high energy cosmic rays using CRPropa”
- 14:30-15:00 coffee break

15:00-16:00 **Franco Vazza**, Hamburger Sternwarte, Hamburg, Germany
“The view on cosmic rays in galaxy clusters from numerical simulations and observations”

16:00-17:00 **Discussion session VI**

Thursday, 19th of September 2013

09:00-10:00 **Andrea Ferrara**, Scuola Normale Superiore, Pisa, Italy
“The Near Infrared Background: puzzles and promises”

10:00-11:00 **Hervé Dole**, Institut d'Astrophysique Spatiale, Orsay, France
“Extragalactic Background Light: a Review”

11:00-11:30 coffee break

11:30-12:30 **Michael Kachelriess**, NTNU Institutt for fysikk, Trondheim, Norway
“Extragalactic messengers: some open questions”

14:30-15:00 coffee break

15:00-17:00 **Discussion session VII**