



## Scientific Program

### Cosmic Ray Origin – beyond the standard models

#### Monday – March 17, 2014

9:00 – 10:30	Registration	
10:30 – 11:00	Opening ceremony	with Mayor, logistical announcements etc. . .
11:00 – 12:00	Roger Blandford	Opening overview talk <i>Cosmic Ray Origins: An Introduction</i>
12:00 – 13:00	Pasquale Blasi	<i>Recent developments in our understanding of the origin of Galactic Cosmic Rays</i>
13:00 – 14:45	Lunch	
14:45 – 15:30	Francesco Giordano	<i>Cosmic ray acceleration search in HE Supernova Remnants</i>
15:30 – 16:15	Yves Gallant	<i>100-TeV gamma-ray halos as signatures of short-lived Galactic PeVatrons</i>
16:15 – 16:45	coffee	
16:45 – 17:15	Martina Cardillo	<i>The Supernova Remnant W44: confirmations and challenges for cosmic-ray acceleration</i>
17:15 – 18:00	Evgeny Berezhko	<i>Origin of Galactic Cosmic Rays from Supernova Remnants</i>
18:00 – 19:00	discussion session	

**Tuesday – March 18, 2014**

9:00 – 9:30	Damiano Caprioli	<i>Hybrid simulations of particle acceleration at shocks</i>
9:30 – 10:00	Giovanni Morlino	<i>Using optical lines to study particle acceleration at SNRs</i>
10:00 – 10:30	Theresa Brandt	<i>Tracing Cosmic Ray Origins: Direct and Indirect Evidence</i>
10:30 – 11:00	coffee	
11:00 – 11:30	Alexandre Marcowith	<i>Trans PeV cosmic rays from radio supernova</i>
11:30 – 12:00	J.W. Hewitt	<i>Constraints on cosmic ray origins from supernova remnants interacting with molecular clouds</i>
12:00 – 12:45	Aya Bamba	<i>Observational Clues of Galactic Cosmic Rays</i>
12:45 – 14:45	Lunch	
14:45 – 15:30	Peter Meszaros	<i>Ultra-High energy Cosmic Rays: GRBs, Relativistic Supernovae, Galaxies/Clusters and their Multimessenger Clues</i>
15:30 – 16:00	Wlodek Bednarek	<i>Cosmic rays, gamma-rays and neutrinos from dense environment of massive binary systems in open clusters</i>
16:00 – 16:30	coffee	
16:30 – 17:15	Kumiko Kotera	<i>Pulsars: a promising source for high and ultrahigh energy cosmic rays</i>
17:15 – 18:00	Amanda Weinstein	<i>Pulsar Wind Nebulae and Cosmic Rays: A Bedtime Story</i>
18:00 – 19:00	discussion session	
20:30	Social dinner	

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