

Session Program

15-19 Feb 2016

**VCI2016 - The 14th Vienna Conference on
Instrumentation**

Astroparticle Detectors

Vienna University of Technology
Gusshausstraße 27-29, 1040 Wien

Thursday 18 February

09:00

Astroparticle Detectors: Cosmic Particles

Session | **Location:** Vienna University of Technology, E18, Gusshausstraße 27-29, 1040 Wien | **Convener:** Jochen Schieck

09:00–09:20

Detection of High Energy Cosmic Rays with the Auger Engineering Radio Array

Speaker
Raphael Krause

09:25–09:45

Operation and performance of the EEE network array for the detection of cosmic rays

Speaker
Paola La Rocca

09:50–10:10

The Mini-EUSO telescope on the ISS

Speaker
Valentina Scotti

10:15–10:35

CaloCube: a new-concept calorimeter for the detection of high-energy cosmic rays in space

Speaker
Dr Elena Vannuccini

10:40

14:00

Astroparticle Detectors: Dark Matter

Session | **Location:** Vienna University of Technology, E18, Gusshausstraße 27-29, 1040 Wien | **Convener:** Manfred Jeitler

14:00–14:20

The COSINUS project: development of new NaI-based cryogenic detectors for direct dark matter search

Speaker
Achim Gütlein

14:25–14:45

SABRE: WIMP Modulation Detection in the Northern and Southern Hemisphere

Speaker
Dr Claudia Tomei

14:50–15:10

WIMP tracking with cryogenic nuclear emulsion

Speaker
Dr Mitsuhiro Kimura

15:15–15:35

PROSPECTS FOR DETECTION OF WIMP DARK MATTER AND COHERENT NEUTRINO SCATTERING WITH THE LUX-ZEPLIN DETECTOR

15:40

Speaker
Attila Dobi

16:30

Astroparticle Detectors: Miscellaneous

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16:30–16:50

Operating performance of GCT: an end-to end Schwarzschild-Couder telescope prototype for the Cherenkov Telescope Array

Speaker
Dr Jean-Laurent Dournaux

16:55–17:15

New application of superconductors: high sensitivity cryogenic light detectors

Speaker
Laura Cardani

17:20–17:40

Performance study of glass RPC detectors for INO-ICAL experiment.

Speaker
Mr Ankit Gaur

17:45–18:05

The FLARES project: an innovative detector technology for rare events searches

Speaker
Dr Luca Gironi

18:10