

Session Program

15-19 Feb 2016

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

Gas Detectors

Vienna University of Technology
Gusshausstraße 27-29, 1040 Wien

Wednesday 17 February

09:00

Gas Detectors: GEMs

Session | **Location:** Vienna University of Technology, E19, Gusshausstraße 27-29, 1040 Wien | **Convener:** Christoph Schwanda

09:00–09:20

Ion space-charge effects in multi-GEM detectors: challenges and possible solutions for future applications

Speaker

Patrik Thuiner

09:25–09:45

The KLOE-2 Inner Tracker: detector commissioning and operation

Speaker

Dr Gianfranco Morello

09:50–10:10

A Novel Technique for the Measurement of the Avalanche Fluctuation of Gaseous Detectors

Speaker

Dr Makoto Kobayashi

10:15–10:35

Two-phase Cryogenic Avalanche Detector with electroluminescence gap and THGEM/GAPD-matrix multiplier

Speaker

Andrey Sokolov

10:40

11:30

Gas Detectors: Drift Detectors

Session | **Location:** Vienna University of Technology, E19, Gusshausstraße 27-29, 1040 Wien

11:30–11:50

Construction and Test of New Precision Drift-Tube Chambers for ATLAS Muon Spectrometer Upgrades

Speaker

Dr Hubert Kroha

11:55–12:15

Development of an extremely thin-wall straw tracker operational in vacuum - The COMET Straw Tracker System -

Speaker

Hajime Nishiguchi

12:20–12:40

AXEL - high pressure xenon gas TPC for neutrinoless double beta decay search

Speaker

Kiseki Nakamura

12:45

Thursday 18 February

09:00

Gas Detectors: Micromegas

Session | **Location:** Vienna University of Technology, E19, Gusshausstraße 27-29, 1040 Wien | **Convener:** Winfried Mitaroff

09:00–09:20

GridPix detector - Development and Application

Speaker

Jochen Kaminski

09:25–09:45

Performance studies of resistive Micromegas detectors for the upgrade of the ATLAS Muon Spectrometer

Speaker

Fabian Kuger

09:50–10:10

Anode charge-up in resistive Micromegas and its quenching effect on spark development

Speaker

Maximilien Chefdeville

10:15–10:35

LHM: a new noble-liquid detector concept based on bubble-assisted electroluminescence

Speaker

Mr Eran Erdal

10:40

11:30

Gas Detectors: Micropattern Detectors

Session | **Location:** Vienna University of Technology, E19, Gusshausstraße 27-29, 1040 Wien | **Convener:** Winfried Mitaroff

11:30–11:50

Upgrade of the ATLAS Muon Spectrometer for Operation at the HL-LHC

Speaker

Oliver Kortner

11:55–12:15

Advances in micro-Resistive WELL (μ -RWELL) detectors

Speaker

Giovanni Bencivenni

12:20–12:40

R&D on a new type of micropattern gaseous detector: the Fast Timing Micropattern detector

Speaker

Ilaria Vai

12:45