

**Session Program**

**17-24 Jan 2010**

**CHIPP PhD Winter School 2010**

***Student talks***

# Wednesday 20 January

15:00

## Student talks: Cosmology and Stellar Astrophysics

Session

15:00–15:20 **Model-independent cosmological constraints from the CMB**

**Speaker**

Marc Vonlanthen

15:20–15:40 **The influence of WIMP dark matter on low-mass stars**

**Speaker**

Jordi Casanellas

15:40–16:00 **Primordial magnetic fields and their gravitational wave production**

**Speaker**

Elisa Fenu

16:00

16:30

## Student talks: Specific Reactions at Colliders

Session

16:30–16:50  **$B_s$  branching fractions measurements at Belle**

**Speaker**

Remi Louvot

16:50–17:10 **Hadronic Event Shapes at CMS**

**Speaker**

Matthias Artur Weber

17:10–17:30

**Jet veto systematics in the  $WW$  decay channel of the Higgs boson search with the CMS experiment**

**Speaker**

Thomas Punz

17:30–17:40 **BREAK**

17:40–18:00

**$t\bar{t}$  and  $W$ +jet background estimate for hadronic SUSY searches at CMS**

**Speaker**

Jan Detlef Thomsen

18:00–18:20

**Search for SUSY signatures with the CMS detector in events with electron(s), jets and missing energy: Handling of QCD background**

**Speaker**

Predrag Milenovic

18:30

# Thursday 21 January

09:00

## Student talks: Tracker and Muon Detector

Session

09:00–09:20 **Muon-detector studies for the CMS upgrade at SLHC**

**Speaker**

Paul Papacz

09:20–09:40

**Measurements of the Lorentz angle in the CMS barrel pixel detector with collisions and cosmic data**

**Speaker**

Mirena Ivova Rikova

09:40–10:00 **First Alignment of the Complete CMS Tracker**

**Speaker**

Frank Meier

10:00

# Saturday 23 January

10:00

## Student talks: Dark matter

### Session

10:00–10:20 **ArDM, a liquid argon dark matter experiment**

#### Speaker

Lukas Epprecht

10:20–10:40 **The XENON100 Detector for Dark Matter Searches**

#### Speaker

Alexander Kish

10:40–11:00 **Construction and operation of a double phase pure Argon LEM-TPC**

#### Speaker

Devis Orlando Lussi

11:00

11:30

## Student talks: 0 $\nu$ double-beta and Neutrons

### Session

11:30–11:50 **EXO R&D in Bern**

#### Speaker

Guillaume Giroux

11:50–12:10 **EXO-200**

#### Speaker

Martin Auger

12:10–12:30

**Development of a monitoring system for the Ultra-Cold Neutron (UCN) source at PSI**

#### Speaker

Leonard Goeltl

12:30

# Sunday 24 January

10:00

## Student talks: Pixel

### Session

10:00–10:20 **Commissioning of the CMS pixel detector using first data**

**Speaker**

Andreas Jaeger

10:20–10:40 **Simulation studies for the Phase 1 upgrade of the CMS pixel detector**

**Speaker**

Carlotta Favaro

10:40–11:00 **to be defined**

11:00