

# **IMPRS/GK Young Scientist Workshop at Ringberg Castle**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

# **Effective field theories and cosmology: Majorana neutrinos, Dark Matter and Leptogenesis**

*Wednesday, 25 July 2012 16:00 (30 minutes)*

**Presenter:** BIONDINI, Simone (TUM)

**Session Classification:** Session: Astroparticle Physics

Contribution ID: 1

Type: **not specified**

# Saxion cosmology

*Wednesday, 25 July 2012 16:30 (30 minutes)*

**Presenter:** GRAF, Peter (MPP)

**Session Classification:** Session: Astroparticle Physics

Contribution ID: 28

Type: **not specified**

## **Silicon photomultiplier with bulk-integrated quench resistor fabricated at the MPI semiconductor laboratory**

*Monday, 23 July 2012 12:00 (30 minutes)*

**Presenter:** JENDRYSIK, Christian (MPP)

**Session Classification:** Session: PI Photomultipliers

Contribution ID: **39**

Type: **not specified**

## Welcome & Introduction Round

*Monday, 23 July 2012 11:15 (45 minutes)*

Contribution ID: 40

Type: **not specified**

## Departure from Munich

*Monday, 23 July 2012 09:00 (1h 30m)*

Contribution ID: 41

Type: **not specified**

# Symbolic Programming Examples - Mathematica vs. FORM

*Monday, 23 July 2012 14:00 (1 hour)*

**Presenter:** Dr HAHN, Thomas (MPP)

**Session Classification:** Lecture

Contribution ID: 42

Type: **not specified**

# Top mass measurement with the ATLAS detector

*Monday, 23 July 2012 15:00 (30 minutes)*

**Presenter:** ADOMEIT, Stefanie (LMU)

**Session Classification:** Session: ATLAS Physics I



Contribution ID: 43

Type: **not specified**

# The top quark mass in the dilepton channel at ATLAS

*Monday, 23 July 2012 16:00 (30 minutes)*

**Presenter:** MAIER, Andreas (MPP)

**Session Classification:** Session: ATLAS Physics I (cont.)

Contribution ID: 44

Type: **not specified**

## **ESG Experiences as an IMPRS Alumni**

*Monday, 23 July 2012 16:30 (1 hour)*

**Presenter:** Dr BEIMFORDE, Michael (ESG)

**Session Classification:** Job Opportunities I

Contribution ID: 45

Type: **not specified**

## **Guided Tour of Ringberg Castle**

*Monday, 23 July 2012 17:30 (1 hour)*

**Presenter:** ESSL, Jochen (Schloss Ringberg)

**Session Classification:** Afternoon Activities

Contribution ID: 46

Type: **not specified**

## All quiet on the B-physics front?

*Tuesday, 24 July 2012 17:00 (30 minutes)*

**Presenter:** BEAUJEAN, Frederik (MPP)

**Session Classification:** Session: B Physics

Contribution ID: 47

Type: **not specified**

## The Belle 2 Experiment

*Tuesday, 24 July 2012 17:30 (30 minutes)*

**Presenter:** RITTER, Martin (MPP)

**Session Classification:** Session: B Physics

Contribution ID: 48

Type: **not specified**

## **Study of the decay omega Ks at Belle**

*Tuesday, 24 July 2012 18:00 (30 minutes)*

**Presenter:** CHOBANOVA, Veronika (MPP)

**Session Classification:** Session: B Physics

Contribution ID: 49

Type: **not specified**

## **Germanium detectors and natural radioactivity in food**

*Tuesday, 24 July 2012 16:00 (30 minutes)*

**Presenter:** GARBINI, Lucia (MPP)

**Session Classification:** Session: GERDA/GeDet I

Contribution ID: 50

Type: **not specified**

## **Simulation Studies on Shower Development in Rock**

*Friday, 27 July 2012 09:00 (30 minutes)*

**Presenter:** PALERMO, Matteo (MPP)

**Session Classification:** Session: GERDA/GeDet II



Contribution ID: 51

Type: **not specified**

## **Top quark threshold scan at future linear accelerators**

*Tuesday, 24 July 2012 09:00 (30 minutes)*

**Presenter:** TESAR, Michal (MPP)

**Session Classification:** Session: ILC Physics

Contribution ID: 52

Type: **not specified**

## **Galactic cosmic rays and the multi messenger connection**

*Tuesday, 24 July 2012 09:30 (1 hour)*

**Presenter:** Dr MACCIONE, Luca (TUM/MPP)

**Session Classification:** Lecture

Contribution ID: 53

Type: **not specified**

## **Problems of high precision calculations**

*Tuesday, 24 July 2012 14:00 (30 minutes)*

**Presenter:** PASSEHR, Sebastian (MPP)

**Session Classification:** Session: Precision Calculations

Contribution ID: 54

Type: **not specified**

## Scattering amplitudes at the integrand level

*Tuesday, 24 July 2012 14:30 (30 minutes)*

**Presenter:** PERARO, Tiziano (MPP)

**Session Classification:** Session: Precision Calculations

Contribution ID: 55

Type: **not specified**

## Computation of master integrals at higher orders

*Tuesday, 24 July 2012 15:00 (30 minutes)*

**Presenter:** BOROWKA, Sophia (MPP)

**Session Classification:** Session: Precision Calculations

Contribution ID: 57

Type: **not specified**

## **Timing measurements with RPC for calorimetry**

*Wednesday, 25 July 2012 10:00 (30 minutes)*

**Presenter:** SZALAY, Marco (MPP)

**Session Classification:** Session: Showers and Calorimeters

Contribution ID: 58

Type: **not specified**

## **Calorimetry of the Future and the T3B Experiment**

*Wednesday, 25 July 2012 09:00 (1 hour)*

**Presenters:** SOLDNER, Christian (MPP); WEUSTE, Lars (MPP)

**Session Classification:** Session: Showers and Calorimeters

Contribution ID: 59

Type: **not specified**

## Search for the rare decay $B^0 \rightarrow K^* \mu \mu$

*Wednesday, 25 July 2012 11:00 (30 minutes)*

**Presenter:** SHTABOVENKO, Vladyslav (LMU/MPP)

**Session Classification:** Session: Bs at ATLAS



Contribution ID: **60**

Type: **not specified**

## **Energy and Climate**

*Wednesday, 25 July 2012 11:30 (1 hour)*

**Presenter:** Prof. KLEINKNECHT, Konrad (LMU)

**Session Classification:** Lecture

Contribution ID: **61**

Type: **not specified**

## **Search for the standard model Higgs boson in the channel $H \rightarrow ZZ \rightarrow 4l$**

*Wednesday, 25 July 2012 14:00 (30 minutes)*

**Presenter:** ECKER, Katharina (MPP)

**Session Classification:** Session: ATLAS Physics II

Contribution ID: 62

Type: **not specified**

## **Behind ATLAS measurements: an example of systematics evaluation**

*Wednesday, 25 July 2012 14:30 (30 minutes)*

**Presenter:** MANFREDINI, Alessandro (MPP)

**Session Classification:** Session: ATLAS Physics II

Contribution ID: 63

Type: **not specified**

## **High-resolution micromegas telescope for pion and muon tracking**

*Wednesday, 25 July 2012 15:00 (30 minutes)*

**Presenter:** BORTFELDT, Jonathan (LMU)

**Session Classification:** Session: ATLAS Physics II

Contribution ID: 64

Type: **not specified**

## **DLR Experiences as an IMPRS Alumni**

*Wednesday, 25 July 2012 17:00 (1 hour)*

**Presenter:** Dr GOETTFERT, Tobias (DLR)

**Session Classification:** Job Opportunities II

Contribution ID: 65

Type: **not specified**

## **Latest Results of the CRESST Dark Matter Search - a Short Overview**

*Thursday, 26 July 2012 09:00 (35 minutes)*

**Presenter:** REINDL, Florian (MPP)

**Session Classification:** Session: CRESST Physics

Contribution ID: **66**

Type: **not specified**

# **Cryogenic Light Detectors of CRESST**

*Thursday, 26 July 2012 09:35 (20 minutes)*

**Presenter:** TANZKE, Anja (MPP)

**Session Classification:** Session: CRESST Physics

Contribution ID: 67

Type: **not specified**

## **Composite Cryo-Detectors: Considerations on Thermo-Mechanical Stress**

*Thursday, 26 July 2012 09:55 (15 minutes)*

**Presenter:** Dr KIEFER, Michael (MPP)

**Session Classification:** Session: CRESST Physics



Contribution ID: **68**

Type: **not specified**

## **Get a lunch packet**

*Thursday, 26 July 2012 10:15 (15 minutes)*

**Session Classification:** Social Activities

Contribution ID: 69

Type: **not specified**

## **Investigation of shielding powers of different materials and shielding depths for secondary cosmic rays**

*Friday, 27 July 2012 09:30 (30 minutes)*

**Presenter:** MICHEL, Aaron (MPP)

**Session Classification:** Session: GERDA/GeDet II

Contribution ID: 70

Type: **not specified**

## **Segmented Broad Energy Germanium Detectors**

*Tuesday, 24 July 2012 16:30 (30 minutes)*

**Presenter:** LIAO, Heng-Ye (MPP)

**Session Classification:** Session: GERDA/GeDet I

Contribution ID: 71

Type: **not specified**

## **Characterization of new silicon pixel detectors for the ATLAS upgrade**

*Friday, 27 July 2012 10:00 (30 minutes)*

**Presenter:** TERZO, Stefano (MPP)

**Session Classification:** Session: Pixel Detectors

Contribution ID: 72

Type: **not specified**

## **Discovery of a New Boson in the Search for the Standard Model Higgs Boson at the LHC**

*Friday, 27 July 2012 11:00 (1 hour)*

**Presenter:** Dr KORTNER, Oliver (MPP)

**Session Classification:** Lecture

Contribution ID: 73

Type: **not specified**

## Group Photo

*Friday, 27 July 2012 12:00 (30 minutes)*

Contribution ID: 74

Type: **not specified**

## **Introduction to the MAGIC experiment**

*Tuesday, 24 July 2012 11:00 (30 minutes)*

**Presenter:** FRUCK, Christian (MPP)

**Session Classification:** Session: MAGIC Physics

Contribution ID: 75

Type: **not specified**

## **Observing Mrk421 and Mrk501 with the MAGIC telescopes**

*Tuesday, 24 July 2012 11:30 (30 minutes)*

**Presenter:** BORRACCI, Francesco (MPP)

**Session Classification:** Session: MAGIC Physics



Contribution ID: 76

Type: **not specified**

## **Multifrequency study on Mrk421 during the 1st year of operation of the MAGIC stereo telescopes**

*Tuesday, 24 July 2012 12:00 (30 minutes)*

**Presenter:** SUN, Shangyu (MPP)

**Session Classification:** Session: MAGIC Physics