

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

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

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

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

Contribution ID: 1

Type: **not specified**

## **Guided Tour of Ringberg Castle**

*Monday, 22 July 2013 17:30 (1 hour)*

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

Contribution ID: 2

Type: **not specified**

## **Optimization of the MDT-Readout electronic**

*Tuesday, 23 July 2013 12:00 (30 minutes)*

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

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

Contribution ID: 3

Type: **not specified**

## **Measurement of the WW cross section in the all hadronic decay channel with ATLAS**

*Wednesday, 24 July 2013 09:30 (30 minutes)*

**Presenter:** SPETTEL, Fabian (MPP)

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

Contribution ID: 4

Type: **not specified**

## **Symbolic Programming Examples - Mathematica vs. FORM**

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

Contribution ID: 5

Type: **not specified**

## **The Belle/Belle 2 experiment**

*Monday, 22 July 2013 15:00 (30 minutes)*

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

**Session Classification:** Session: Belle Physics

Contribution ID: 6

Type: **not specified**

## **The top quark mass in the dilepton channel at ATLAS**

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



Contribution ID: 7

Type: **not specified**

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

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

Contribution ID: 8

Type: **not specified**

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

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

Contribution ID: 9

Type: **not specified**

## **Patent Attorney Experiences as an IMPRS Alumni**

*Friday, 26 July 2013 11:00 (1 hour)*

**Presenters:** Dr LANDWEHR, Ananda (Maiwald GmbH); Dr BAUMANN, Jochen (BARDEHLE PAGENBERG)

**Session Classification:** Session: Job Opportunities III

Contribution ID: **10**

Type: **not specified**

# **Effective field theories: from Cosmology to Quark Gluon Plasma**

*Wednesday, 24 July 2013 16:00 (30 minutes)*

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

**Session Classification:** Session: Astroparticle Physics

Contribution ID: 11

Type: **not specified**

# Hidden Photons in the Light of Planck

*Wednesday, 24 July 2013 16:30 (30 minutes)*

**Presenter:** VOGEL, Hendrik (MPP)

**Session Classification:** Session: Astroparticle Physics

Contribution ID: 12

Type: **not specified**

## **The role of Black Holes in AdS/CFT correspondence**

*Tuesday, 23 July 2013 17:00 (30 minutes)*

**Presenter:** FLORY, Mario (MPP)

**Session Classification:** Session: AdS/CFT I

Contribution ID: 13

Type: **not specified**

## **The ABC's of holographic hydrodynamics**

*Tuesday, 23 July 2013 17:30 (30 minutes)*

**Presenter:** ZELLER, Hansjoerg (MPP)

**Session Classification:** Session: AdS/CFT I

Contribution ID: 14

Type: **not specified**

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

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



Contribution ID: 15

Type: **not specified**

## **Critical Phenomena, Renormalization & Gauge/Gravity Duality**

*Thursday, 25 July 2013 09:00 (30 minutes)*

**Presenter:** KLUG, Steffen (MPP)

**Session Classification:** Session: AdS/CFT II

Contribution ID: 16

Type: **not specified**

## **Gauge/Gravity Games**

*Thursday, 25 July 2013 09:30 (30 minutes)*

**Presenter:** STRYDOM, Migael (MPP)

**Session Classification:** Session: AdS/CFT II

Contribution ID: 17

Type: **not specified**

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

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

Contribution ID: 18

Type: **not specified**

## **Quantitative Consulting Experiences as an IMPRS Alumni**

*Thursday, 25 July 2013 19:30 (1 hour)*

**Presenter:** Dr KIESSIG, Clemens (d-fine GmbH)

**Session Classification:** SESSION: Job Opportunities I

Contribution ID: 19

Type: **not specified**

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

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

Contribution ID: 20

Type: **not specified**

## Get a lunch packet

*Thursday, 25 July 2013 10:15 (15 minutes)*

**Session Classification:** Social Activities

Contribution ID: 21

Type: **not specified**

## **Research and development on new Germanium detector prototypes**

*Tuesday, 23 July 2013 16:30 (30 minutes)*

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

**Session Classification:** Session: GEDET

Contribution ID: 22

Type: **not specified**

## **Looking for muon-induced neutrons in germanium detectors**

*Tuesday, 23 July 2013 16:00 (30 minutes)*

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

**Session Classification:** Session: GEDET



Contribution ID: 23

Type: **not specified**

## **T3B and the time structure of hadronic showers**

*Monday, 22 July 2013 12:00 (30 minutes)*

**Presenter:** Dr SOLDNER, Christian (MPP)

**Session Classification:** Session: Detector Physics I

Contribution ID: 24

Type: **not specified**

## **Automated NLO calculations for top quark observables at hadron colliders**

*Tuesday, 23 July 2013 14:00 (30 minutes)*

**Presenter:** SCHLENK, Johannes (MPP)

**Session Classification:** Session: Precision Calculations

Contribution ID: 25

Type: **not specified**

## **Diphoton plus jet production through graviton exchange at NLO**

*Tuesday, 23 July 2013 14:30 (30 minutes)*

**Presenter:** VON SODEN-FRAUNHOFEN, Johann Felix (MPP)

**Session Classification:** Session: Precision Calculations

Contribution ID: 26

Type: **not specified**

## Effective Field Theories in Heavy Quarkonia

*Tuesday, 23 July 2013 15:00 (30 minutes)*

**Presenter:** SHTABOVENKO, Vladyslav (TUM)

**Session Classification:** Session: Precision Calculations

Contribution ID: 27

Type: **not specified**

## **A new muon trigger for ATLAS**

*Tuesday, 23 July 2013 10:30 (30 minutes)*

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

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

Contribution ID: 28

Type: **not specified**

## **Planar pixel sensor for the ATLAS upgrades at HL-LHC**

*Tuesday, 23 July 2013 11:00 (30 minutes)*

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

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

Contribution ID: 29

Type: **not specified**

## **Measurement of muon misidentification rates in $Z \rightarrow \mu\mu$ events for the ATLAS detector**

*Tuesday, 23 July 2013 11:30 (30 minutes)*

**Presenter:** MELLENTHIN, Johannes (MPP)

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

Contribution ID: **30**

Type: **not specified**

## **Matter versus antimatter: the grand battle**

*Tuesday, 23 July 2013 09:00 (1 hour)*

**Presenter:** Dr KARTAVTSEV, Alexander (MPP)

**Session Classification:** Lecture



Contribution ID: **31**

Type: **not specified**

## **Sum-trigger system on MAGIC telescopes**

*Monday, 22 July 2013 14:30 (30 minutes)*

**Presenter:** RODRIGUEZ GARCIA, Jezabel

**Session Classification:** Session: MAGIC Physics I

Contribution ID: **32**

Type: **not specified**

## **Belle II Vertex Pixel Detector**

*Wednesday, 24 July 2013 14:00 (30 minutes)*

**Presenter:** MUELLER, Felix (MPP)

**Session Classification:** Session: Detector Physics II

Contribution ID: 33

Type: **not specified**

## **Possible application of SiMPI devices for particle tracking**

*Wednesday, 24 July 2013 14:30 (30 minutes)*

**Presenter:** PETROVICS, Stefan (MPP)

**Session Classification:** Session: Detector Physics II

Contribution ID: 34

Type: **not specified**

## **Study of hadronic showers with the fastRPC analog readout**

*Wednesday, 24 July 2013 15:00 (30 minutes)*

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

**Session Classification:** Session: Detector Physics II

Contribution ID: 35

Type: **not specified**

## Energy and Climate

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

Contribution ID: 36

Type: **not specified**

# Higgs Discovery at the LHC: Implications for Supersymmetry

*Wednesday, 24 July 2013 11:00 (1 hour)*

**Presenter:** Prof. HEINEMEIER, IFCA (CSIC-UC), SANTANDER, SPAIN, Sven

**Session Classification:** Lecture

Contribution ID: 37

Type: **not specified**

## Departure from Munich

*Monday, 22 July 2013 09:00 (1h 30m)*

Contribution ID: **38**

Type: **not specified**

## **Group Photo**

*Friday, 26 July 2013 12:15 (15 minutes)*



Contribution ID: 39

Type: **not specified**

## Welcome & Introduction Round

*Monday, 22 July 2013 11:15 (45 minutes)*

Contribution ID: 40

Type: **not specified**

## **Hunting for new TeV sources with the MAGIC telescopes**

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

Contribution ID: 41

Type: **not specified**

## **Search for a pulsed gamma-ray emission above 400 GeV from the Crab Pulsar with the MAGIC telescopes**

**Presenter:** IDEC, Wojciech (MPP)

Contribution ID: 42

Type: **not specified**

## What is quantum field theory about?

*Monday, 22 July 2013 16:00 (30 minutes)*

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

**Session Classification:** Session: QFT and Gravity

Contribution ID: 43

Type: **not specified**

## **My favourite introductions to AdS / CFT**

*Monday, 22 July 2013 16:30 (30 minutes)*

**Presenter:** STEINFURT, Stephan (MPP)

**Session Classification:** Session: QFT and Gravity

Contribution ID: 44

Type: **not specified**

## **Parton structure of block holes and the nonperturbative vacuum**

*Monday, 22 July 2013 17:00 (30 minutes)*

**Presenter:** RUG, Tehseen (MPP)

**Session Classification:** Session: QFT and Gravity

Contribution ID: 45

Type: **not specified**

## **Discovery of a new TeV source, MS 1221.8+2452, with the MAGIC telescopes**

*Wednesday, 24 July 2013 17:00 (30 minutes)*

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

**Session Classification:** Session: MAGIC Physics II

Contribution ID: 46

Type: **not specified**

## **Search for a pulsed gamma-ray emission above 400 GeV from the Crab Pulsar with the MAGIC telescopes**

*Wednesday, 24 July 2013 17:30 (30 minutes)*

**Presenter:** IDEC, Wojciech (MPP)

**Session Classification:** Session: MAGIC Physics II



Contribution ID: 47

Type: **not specified**

## **Search for R-parity violating supersymmetry in multilepton events with the ATLAS detector**

*Wednesday, 24 July 2013 10:00 (30 minutes)*

**Presenter:** GOBLIRSCH, Max (MPP)

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

Contribution ID: 48

Type: **not specified**

## **There is MAGIC in the air**

*Monday, 22 July 2013 14:00 (30 minutes)*

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

**Session Classification:** Session: MAGIC Physics I

Contribution ID: 49

Type: **not specified**

## **Management Consulting Experiences as an IMPRS Alumni**

*Friday, 26 July 2013 09:30 (1 hour)*

**Presenter:** Dr HAERTL, Daniel (McKinsey & Company, Inc.)

**Session Classification:** Session: Job Opportunities II

Contribution ID: **50**

Type: **not specified**

## **Discussion on IMPRS EPP activities**

*Tuesday, 23 July 2013 18:00 (30 minutes)*

Contribution ID: 51

Type: **not specified**

## Top Quark Mass Measurements at ATLAS

*Wednesday, 24 July 2013 09:00 (30 minutes)*

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

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