

First Results from the Large Hadron Collider

Sunday 09 December 2012 - Wednesday 12 December 2012

**Physikzentrum Bad Honnef
Programme**

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Sunday 09 December 2012

Registration (12:00-13:00)

Welcome words (14:00-14:15)

- Presenters: BORRAS, Kerstin

About the Wilhelm and Else Heraeus Foundation (14:15-14:30)

- Presenters: DREISIGACKER, Ernst

The Terascale after 2 years of LHC (14:30-15:25)

- Presenters: HEUER, Rolf

ATLAS highlights (15:25-16:20)

- Presenters: Dr. GIANOTTI, FABIOLA

Results from the CMS experiment at the LHC (16:40-17:35)

- Presenters: Prof. INCANDELA, Joseph

Conference photo (17:35-17:45)

Monday 10 December 2012

LHC machine present and future (08:30-09:25)

- Presenters: MYERS, Steve

The future of the Terascale: new machines and ideas (09:25-10:20)

- Presenters: Prof. FOSTER, Brian

Precise predictions for the LHC (10:40-11:35)

- Presenters: DIXON, Lance

Electroweak Physics at the LHC (11:35-12:30)

- Presenters: Prof. GUIMARAES DA COSTA, Joao

QCD at high and highest scales (14:30-15:25)

- Presenters: RABBERTZ, Klaus

Unveiling the top secrets with the LHC (15:25-16:20)

- Presenters: CHIERICI, Roberto

PDFs at the LHC (16:40-17:35)

- Presenters: COOPER-SAKAR, Mandy; Prof. COOPER-SARKAR, Amanda

POSTER SESSION I I (17:35-18:35)

Tuesday 11 December 2012

Discovery of a Higgs-like particle at the LHC (08:30-09:25)

- Presenters: JAKOBS, Karl; JAKOBS, Karl

Electroweak symmetry breaking in the SM and MSSM (09:25-10:20)

- Presenters: HEINEMEYER, Sven

The search for supersymmetry at the LHC - where are we today? (10:40-11:35)

- Presenters: BUCHMÜLLER, Oliver

Physics beyond supersymmetry (11:35-12:30)

- Presenters: ISSEVER, Cigdem

What is it? What else? What next? (14:30-15:25)

- Presenters: ELLIS, John

Flavour physics results from the LHC (15:25-16:20)

- Presenters: HANSMANN-MENZEMER, Stephanie

Recent progress in Flavor Physics (16:40-17:35)

- Presenters: ISIDORI, Gino

POSTER SESSION I I (17:35-18:30)

Wednesday 12 December 2012

Searches and evidence: The quest for the nature of dark matter (08:30-09:25)

- Presenters: Prof. OBERLACK, Uwe

Implications from neutrino physics and electroweak precision physics (09:25-10:20)

- Presenters: LINDNER, Manfred

Little bang at big collider: heavy ion collisions at the LHC (10:40-11:35)

- Presenters: SCHUKRAFT, Jürgen

Preparing for the future: Upgrades of the LHC experiments (11:35-12:30)

- Presenters: HUSEMANN, Ulrich