

Faculty of Physics
University of Vienna
Prof. Helmut Hüffel



8th VIENNA CENTRAL EUROPEAN SEMINAR
ON PARTICLE PHYSICS AND QUANTUM FIELD THEORY

November 25 - 27, 2011

PARTICLE PHYSICS AND THE LHC

PROGRAM

Lecture Hall: "Christian-Doppler-Hörsaal"

Faculty of Physics, University of Vienna

Strudlhofgasse 4, 3rd floor, 1090 Vienna

Supported by:

The Austrian Federal Ministry of Science and Research
The Vienna University of Technology
The Faculty of Physics, University of Vienna
The High Energy Physics Institute of the Austrian Academy of Sciences
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The Vienna Convention Bureau

Nov. 25, 2011, Friday

09:00 - 09:10	<i>Helmuth Hüffel</i> (Vienna)	Opening Address
09:10 - 09:55	<i>Michael Kobel</i> (Dresden)	Status and Physics at ATLAS
10:00 - 10:20	<i>Valentin Knünz</i> (Wien)	Prospects for Quarkonia Polarization Measurements at the LHC
10:25 - 10:45	<i>Hermine K. Wöhri</i> (CERN)	Quarkonium production in pp collisions at LHC
10:50 - 11:20		COFFEE
11:20 - 12:05	<i>Giulia Zanderighi</i> (Oxford)	QCD and Tools for LHC
12:10 - 12:30	<i>Vicent Mateu</i> (Cambridge)	Eventshape distributions and α_s determination
12:35 - 12:55	<i>Pan Zhao-Ting</i> (Grenoble)	NNLO mixed QCD-EW corrections to the Drell-Yan production of Z and W bosons
13:00 - 14:50		LUNCH
14:50 - 15:35	<i>Francesco Sannino</i> (Odense)	Composite Dynamics for Electroweak Physics, Dark Matter and Inflation
15:40 - 16:00	<i>Alberto Tonero</i> (Trieste)	First steps toward an asymptotically safe model of electroweak interactions
16:05 - 16:25	<i>Josef Jurán</i> (Prague)	Top-BESS model and its phenomenology
16:30 - 17:00		REFRESHMENTS

17:00 - 18:30	<i>Frank Wilczek</i> (MIT)	BOLTZMANN LECTURE: Quantum Beauty: Real and Ideal
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Nov. 26, 2011, Saturday

09:00 - 09:45	<i>Gigi Rolandi</i> (CERN)	CMS status and physics
09:50 - 10:10	<i>Claudio Verzegnassi</i> (Trieste)	Special features of the top-charged Higgs production polarization asymmetry at LHC
10:15 - 10:35	<i>Robert Schoefbeck</i> (Wien)	CMS Search for Supersymmetry in the lepton channels
10:40 - 11:10		COFFEE
11:10 - 11:55	<i>Jeroen van Tilburg</i> (Heidelberg)	Status and physics at LHCb
12:00 - 12:45	<i>Michael Ramsey-Musolf</i> (Madison)	Particle physics with ultracold neutrons
12:50 - 14:50		LUNCH
14:50 - 15:35	<i>Andrzej Buras</i> (Munich)	Flavour Physics in the LHC Era
15:40 - 16:00	<i>Jennifer Girrbach</i> (Garching)	Flavour Physics in an SO(10) Grand Unified Model
16:05 - 16:25	<i>Peter Matak</i> (Bratislava)	Is light pseudoscalar Higgs still possible in SO(10) motivated MSSM with large $\tan \beta$?
16:30 - 17:00		COFFEE
17:00 - 17:45	<i>Geraldine Servant</i> (CERN)	Cosmology and the LHC
17:50 - 18:10	<i>Carsten Schneider</i> (Linz)	Modern summation and integration methods for multi-loop Feynman diagrams

18:15 - 19:00		POSTER SESSION
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19:15 - ... **RECEPTION**

Nov. 27, 2011, Sunday

09:00 - 09:45	<i>Johannes Wessels</i> (Münster)	Heavy Ion Results from the ALICE Experiment
09:50 - 10:35	<i>Urs Wiedemann</i> (CERN)	A theorist's look at first data from the LHC heavy ion programme
10:40 - 11:10		COFFEE
11:10 - 11:30	<i>Carlos Lourenco</i> (CERN)	The beauty of quarkonium suppression, from the SPS to the LHC
11:35 - 11:55	<i>Maximilian Attems</i> (Wien)	Chromo-Weibel plasma instabilities in Bjorken expansion
12:00 - 12:20	<i>Dominik Steineder</i> (Wien)	Shear viscosities of a strongly coupled anisotropic plasma
12:25 - 12:45	<i>Karl Landsteiner</i> (Madrid)	Anomalous Transport from Kubo Formulas
12:50 - 13:00	<i>H. Hüffel</i> (Vienna)	Closing Remarks