

XXV Workshop Beyond the Standard Model

Sunday 17 March 2013 - Thursday 21 March 2013

**Physikzentrum Bad Honnef
Programme**

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Monday 18 March 2013

Chair: Stephan Stieberger - (08:59-09:00)

Hans Jockers (Universität Bonn): Topological strings and mirror symmetry (09:00-10:00)

Jan Manschot (Universität Bonn): Geometric engineering of BPS states (10:00-10:30)

Stefan Hohenegger (CERN): Worldsheet Realization of the Refined Topological String, Part I (11:00-11:30)

Ahmad Zein Assi (CERN): Worldsheet realization of the Refined Topological String, Part II (11:30-11:45)

Maximilian Poretschkin (Universität Bonn): Refined BPS invariants on del Pezzo and half K3 CalabiYau manifolds (11:45-12:00)

Daniel Plencner (Universität München): Generalized orbifolds of Landau-Ginzburg models (12:00-12:20)

Chair: Albrecht Klemm (13:59-14:00)

Stefan Theisen (AEI Potsdam): Conformal field theories, trace anomalies and the a-theorem (14:00-15:00)

Michael Haack (Universität München): Extremal black branes in gauged supergravity (15:00-15:30)

Thomas Grimm (Max-Planck-Institut für Physik): Tensors and symmetry breaking vacua in F-theory (15:30-16:00)

Charles Strickland-Constable (Universität Hamburg): Generalised Geometry of Supergravity (16:30-16:50)

David Andriot (Max-Planck-Institut für Physik): Non-geometric fluxes, non-geometry, and non-commutativity (16:50-17:10)

Federico Bonetti (Max-Planck-Institut für Physik): Massive tensor towers and effective actions (17:10-17:25)

Maike Tormählen (Universität Hannover): Instantons on special geometries (17:25-17:40)

Andreas Deser (Max-Planck-Institut für Physik): Lie algebroids and bi-invariant gravity in string theory (17:40-17:55)

Felix Rennecke (Max-Planck-Institut für Physik): From $O(d,d)$ Transformations to Lie Algebroids (17:55-18:10)

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Oliver Schlotterer (AEI Potsdam): Superstring tree amplitudes recycling field theory structures (10:00-10:30)

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Ioannis Florakis (Max-Planck-Institut für Physik): Novel methods for N=2 BPS saturated amplitudes in String Theory (11:50-12:10)

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