

IMPRS EPP

**15th Block Course
of the
International Max Planck Research School
on Elementary Particle Physics**

July 12th – 15th, 20th, and 21st, 2010

Max-Planck-Institut für Physik, Freimann

10:00 AM – 11:55 AM, Main Auditorium

Prof. Stuart Raby

The Ohio State University,
Columbus, Ohio, USA

Introduction to Supersymmetric Grand Unified Theories

The LHC has just begun its marathon run at 7 TeV center-of-mass energy. Finally the physics at the TeV scale will be explored. The minimal supersymmetric extension of the Standard Model will be seriously tested at this high energy frontier. This lecture series is intended to fill in the details and elaborate the connections between the Standard Model, the minimal supersymmetric standard model (MSSM), supersymmetric grand unified theories (SUSY GUTs) and superstrings.

No registration is needed.

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