



INTERNATIONAL
MAX PLANCK
RESEARCH SCHOOL



FOR PRECISION TESTS
OF FUNDAMENTAL
SYMMETRIES



IMPRS – PTFS Inauguration

Official Opening of the International Max Planck Research School
for Precision Tests of Fundamental Symmetries

Big Lecture Hall of the Library Building (Otto-Hahn-Hörsaal)
Max-Planck-Institut für Kernphysik
02 November 2010

Program

10:00 Meeting IMPRS-Students (GE, Room 339, 2nd Floor)

10:30 Reception

11:00 Welcome and Introduction
Prof. Dr. Manfred Lindner
Managing Director, MPIK

11:15 “What can we say about the Higgs boson mass?”
Prof. Mikhail Shaposhnikov
EPFL, Lausanne

12:15 Snacks

Development
of detector
technologies
and analysis
techniques

Electro-weak
symmetry
breaking and
new physics

Future
neutrino
experiments
and their
physics
potential

Tests of
symmetry
breaking
patterns in
QCD

Test of CPT-
symmetry and
Special
Relativity

Phenomenological
consequences
of grand
unification

Proton
structure,
QCD and
hadron
collisions at
the terascale

Precision
cosmology

Flavour in the
LHC area

Low
background
experiments
for
astroparticle
physics

Participating Institutes:

Max-Planck-Institut für Kernphysik
Universität Heidelberg