

PAUL SCHERRER INSTITUT



# Particle Theory Seminar

**H. Rzehak**

*PSI, Villigen*

“CP-violating Effects in the Higgs Sector of the MSSM”

**Thursday, April 17, 2008, 11:30**

**OFLA/002 (old room!)**

**Abstract:**

Higher order corrections in the MSSM with non-vanishing CP-phases can induce mixing between the CP-even and the CP-odd states. In particular, the lightest Higgs boson is not purely CP-even but receives a CP-odd component.

Mixing effects in the Higgs sector of the MSSM and results for the Higgs masses are discussed assuming non-vanishing CP-phases and taking into account higher order contributions.