

PAUL SCHERRER INSTITUT



# Particle Theory Seminar

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“Conformal symmetry and the weak scale”

**Friday, May 08, 2009, 11:30 am**

**OSGA/EG06**

**Abstract:**

The question of radiative symmetry breaking in the standard model in presence of right-chiral neutrinos and the concomitant breaking of conformal symmetry is re-examined. The consistency of such a ‘grand desert’ scenario imposes (testable) restrictions on the standard model parameters, and requires the absence of any intermediate scales between the weak scale and the Planck scale. I also discuss how such a scheme might emerge out of (non-conformal) Einstein gravity.