



# Sommerfeld Theory Colloquium

Prof. Jens Erler

Universidad Nacional Autonoma de Mexico

Status of the Electroweak Standard Model

With the discovery of the Higgs boson and the determination of its mass, the Standard Model is complete and its parameters are now known and over-constrained. I will review the status and future directions in precision electroweak physics both at high and low energies. There is strong evidence that the Standard Model is correct at the level of quantum corrections, and that in the absence of major conspiracies, any new physics beyond it is either significantly heavier than the electroweak scale or very weakly coupled.

Wednesday, 15 January 2014, 16:15h, Room A348/349, Theresienstr. 37/III

Prof. G. Buchalla