



Contribution ID: 208

Type: **not specified**

## Flavor dependence of the S parameter in SU(3) gauge theory

*Thursday, 17 June 2010 15:10 (20 minutes)*

Precision electroweak observables such as the Peskin–Takeuchi S parameter have long been used to constrain models of electroweak symmetry breaking that involve new strong dynamics. However, nonperturbative calculations of S from first principles have previously only been performed for QCD. I present initial results by the Lattice Strong Dynamics (LSD) Collaboration for the S parameter in SU(3) gauge theory with 2 and 6 flavors of fermions in the fundamental representation.

**Please, insert your presentation type (talk, poster)**

Talk

**Primary author:** SCHAICH, David (Boston University)

**Presenter:** SCHAICH, David (Boston University)

**Session Classification:** Parallel 43: Applications beyond QCD

**Track Classification:** Applications beyond QCD