



Contribution ID: 7

Type: **Parallel Talk**

New physics signals in top physics

Thursday 7 June 2012 14:30 (20 minutes)

Effective field theories provide a model independent parametrization of the physics beyond the SM if the new degrees of freedom are heavy and complement thus the searches for resonances. In this talk, I will apply this method to the top sector which is expected to play a special role in many BSM scenarios. I will then show the effects of those dimension-six operators on cross-sections and distributions at hadron colliders. Those results together with the present data from the LHC and the Tevatron already constrain the parameter space.

E-mail Address

cdegrand@illinois.edu

Primary author: Dr DEGRANDE, Celine (UIUC/UCL)

Presenter: Dr DEGRANDE, Celine (UIUC/UCL)

Session Classification: 4E: (Parallel) Top

Track Classification: Standard Model & Beyond