Contribution ID: 90 Type: Oral

Identifying new physics contributions in the Higgs sector at linear e+ e- colliders

Saturday, 11 March 2006 09:00 (20 minutes)

We study the dilepton-dijet signal in the dominant Higgs production channel at a linear e+ e- collider. We show that by taking a simple ratio between cross-sections of two different final states different new physics scenarios can be identified. The case of distinguishing radions from Higgs is consisted. We also highlight the effects of new particles in the loop contributing to the H -> gg decay through this channel.

Primary author: Dr RAI, SANTOSH (Harish-Chandra Research Institute)

Presenter: Dr RAI, SANTOSH (Harish-Chandra Research Institute)

Session Classification: Higgs and EWSB

Track Classification: Higgs and EWSB