

Search for New Phenomena in final states with leptons, photons, M_{Et}

Tuesday 28 July 2009 17:30 (20 minutes)

The high-mass spectrum of lepton and photon pairs is sensitive to a broad array of new physics. Examples are searches for extra dimensions in different models in the dielectron, dimuon, and diphoton channels, photon + missing transverse energy and Z' bosons with Standard-Model-like couplings to fermions as well as in a variety of GUT-inspired models. In addition, the data sample can be searched for a W' boson. We report on the latest results in those searches obtained by the D0 experiment at the Tevatron.

Authors: JUSTE, Aurelio (Fermilab); WAHL, H (Florida State University); SOLDNER-REMBOLD, Stefan (University of Manchester)

Presenter: KATSANOS, Ioannis (University of Nebraska - Lincoln)

Session Classification: Beyond the Standard Model II

Track Classification: Beyond the Standard Model