Contribution ID: 180 Type: not specified

Search for Hidden Valleys Signatures with the D0 Detector

We present results of searches for unique experimental signatures that might arise from a hidden sector extension (hidden valley) of the standard model. Reduced couplings to the hidden sector can result in long-lived particle decays that result in highly displaced vertices from di-leptons or di-jets. By searching for such signatures, D0 extends its discovery potential into previously unexplored phase space.

 $\textbf{Primary authors:} \ \ \, \textbf{JUSTE}, \textbf{Aurelio (Fermilab); SOLDNER-REMBOLD, Stefan (University of Manchester)} \\$

Presenter: SOLDNER-REMBOLD, Stefan (University of Manchester)

Track Classification: Poster session