

# Reconstruction of $Z \rightarrow \tau\tau \rightarrow e\tau$ jet events using early data with CMS

*Monday 31 March 2008 16:22 (12 minutes)*

We report on the selection and reconstruction strategy for  $Z \rightarrow \tau\tau \rightarrow e\tau$  jet events, and their application in CMS with early data, as a benchmark for SUSY  $H/A \rightarrow \tau\tau \rightarrow e\tau$  jet and tau tagging efficiency measurement. Using Monte Carlo simulated data, the performance of the reconstruction algorithms is evaluated. The number of expected signal and background events for  $100 \text{ pb}^{-1}$  of integrated luminosity is estimated and data driven techniques for measuring efficiencies and background contributions are discussed.

## Talk, Poster, or Talk & Poster

Talk

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