



ID de Contribution: 34

Type: **Non spécifié**

## Extraction of the $\Phi(1020) \rightarrow KK$ signal with early CMS data

*mardi 9 mars 2010 19:54 (5 minutes)*

During a few days in December 2009 the Large Hadron Collider produced about 400 thousand proton-proton collisions at 900 GeV in the center of the CMS detector. This data have been very useful for a first check of the performance of the various detector elements, especially the silicon tracker. A signal of  $1318 \pm 95$   $\Phi(1020) \rightarrow K^+K^-$  decays was extracted from that early data using information on the energy loss of charged kaons in the silicon sensors of the CMS tracker.

**Author:** Dr PERROZZI, Luca (Padova & INFN)

**Orateur:** Dr PERROZZI, Luca (Padova & INFN)

**Classification de Session:** Young Scientist Forum 1