$V^0$ Reconstruction in the CMS Tracking Detector  
BRIAN DRELL, University of Colorado, Boulder, CMS COLLABORATION — The reconstruction of neutral $K$ mesons and $\Lambda$ baryons is required by a variety of analyses in CMS, including $B$-tagging, particle flow, and $B$ physics analyses. A module within the CMS computing framework has been developed for the fast and efficient reconstruction of $V^0$ particles using charged tracks from the CMS tracking detector at LHC. This talk will outline the vertex reconstruction method used and will present a summary of our approach to improving computing time and reconstruction efficiency. I will also present an approach to increasing $V^0$ reconstruction efficiency by improving the tracking efficiency of particles originating from positions displaced from the beam axis.