

## **KS0 production at the Main Injector Particle production experiment at Fermilab**

The Main Injector Particle Production (MIPP) experiment at Fermilab is a full acceptance spectrometer to measure hadronic particle production using beams of  $\pi^\pm$ ,  $K^\pm$ , p and  $\bar{p}$  ranging in momentum from 5 to 120 GeV/c incident on Liquid-Hydrogen, Beryllium, Carbon, Bismuth, Uranium and NuMI targets. The experiment has excellent charged particle identification using Time Projection Chamber (TPC), Time of Flight (ToF), multicell Cherenkov, RICH detector and Calorimeters. A technique to reconstruct  $K_S^0$  has been developed and will be described. This poster presents the preliminary inclusive cross-section result for the production of  $K_S^0$  from the interaction of 84 GeV/c protons with Liquid-Hydrogen target and 120 GeV/c protons with Carbon, Beryllium, Bismuth targets.

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