

## CCPi0 Reconstruction in MINERvA

*Thursday, 14 June 2012 16:15 (15 minutes)*

MINERvA is a neutrino-nucleus scattering experiment with multiple nuclear targets.

The experiment is looking for reconstruct neutral pion production, in charge current and neutral current interactions.

Neutral pions are detected through the 2 photons decay, then produce electromagnetic showers.

We will describe how we are reconstructing and identifying electromagnetic showers.

The invariant mass of the pair of photons will isolate CCPi0 events.

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