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Photon Reconstruction in the sPHENIX Electromagnetic Calorimeter

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The initial stage of the sPHENIX upgrade detector at RHIC will focus on the measurement of jet observables, such as gamma-jet properties, with high statistics over a large kinematic range. We have studied several key performance parameters of the envisioned electromagnetic calorimeter. In this poster we will present the studies of the photon identification in the presence of the particle densities found in Heavy-Ion collisions.

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