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Secondary Emission Ionization Calorimetry R&D EMRAH TIRAS, University of Iowa, FERMILAB T1041 COLLABORATION — Secondary Emission (SE) Calorimetry is a new promising technique to measure the electromagnetic showers in extreme radiation environment and very high rate. In this detector type, SE dynode planes are used as the active medium where the SE electrons are generated from these SE surfaces when charged particles penetrate an SE sampling module. Here we report on the response of a dedicated SE sampling module in electromagnetic showers. Projections for a full-scale calorimeter will also be discussed.

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