

Abstract Submitted  
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**Status Report on the Tungsten Powder/Fiber Calorimetry Program for EIC** JAY DUNKELBERGER, UCLA — We report the current status of an EIC detector R&D project for a new sampling calorimeter technology using tungsten powder and scintillating fibers. Detector construction techniques and bench test results will be presented. We will show results of Geant4 simulations for a proposed tungsten-fiber calorimeter envisioned for both a STAR forward calorimeter upgrade and an electromagnetic calorimeter for EIC with emphasis on the performance characteristics of the detector (energy and position resolution, pi0-gamma separation and e/h rejection, pi0 reconstruction etc.). Finally, future plans for our R&D effort will be discussed.

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