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Calorimetry in the sPHENIX Experiment at RHIC

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The sPHENIX experiment at Brookhaven is a second-generation RHIC experiment designed to measure jets and the upsilon states in heavy ion collisions with a combination of calorimetry and precision tracking. A compact tungsten-scintillating fiber electromagnetic calorimeter and a steel-scintillator hadronic calorimeter both read out with silicon photomultipliers are central to the sPHENIX physics program. The novel designs of the calorimeters, test results from prototypes, and the physics they enable at RHIC will be described.

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