

A silicon-tungsten imaging calorimeter for high energy electron investigations

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Abstract. The Electron Observatory (ELO) is a Silicon Tungsten (Si-W) imaging calorimeter concept that has its origin in the Si-W detectors built by the WiZard collaboration for cosmic ray observations from space. It is specifically designed to measure the cosmic ray electron spectrum up to energy of

10 TeV and search for flux anisotropies at these energies. We present an in-depth analysis of this project of its simulated performance and plans for future implementations

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