## Measurement of the re-entrant lepton spectrum with the High-Energy Particle Detector on board CSES-01

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## **Executive Summary:**

This work is about the measurement of the re-entrant albedo all-electrons spectrum (in the energy range from 10 MeV to 100 MeV) performed by the High-Energy Particle Detector onboard the CSES-01 satellite. There a few experimental data at energies below 100 MeV, thus HEPD-01 can extend measurements of previous satellite experiments such as PAMELA or AMS and improve the theoretical model for secondary particles production. The data analysis techniques used to select reentrant leptons inside the HEPD-01 detector are described, and the preliminary spectrum of HEPD-01 is reported together with PAMELA data and a theoretical model.