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Designing proton and electron detector for solar wind monitoring

The report represents a project of an in-orbit detector for measuring energy spectra of protons (10-100 MeV) and electrons (below 10 MeV) in solar wind. The study is intended to minimize mass and overall dimensions of the detector. Reconstruction algorythm of spectras in integral detecting mode is based on Turchin's method of statistical regularization was developed.

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