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Silicon microstrip detector for space-borne astroparticle experiments

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Since the end of last century it has been proven the possibility to use the technology of silicon microstrip detectors developed for accelerator based experiment in space-borne astroparticle experiments. Detector requirements and additional constraints imposed by the launch process in space flight, as well as by the hostile running environment in orbit, are analysed.

Examples are given of running missions and instruments in orbit, under construction or in the planning phase.

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