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[360] Development of a Penetrating particle ANalyzer (PAN) demonstrator and the results from beam tests

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The Penetrating particle ANalyzer (PAN) is a multidisciplinary instrument designed to operate in space and precisely measure and monitor the flux and composition of highly penetrating particles of energy ranging from 100 MeV/n to 20 GeV/n, filling the current observational gap in this energy interval. PAN is a modular design magnetic spectrometer based on a high-resolution silicon tracker, which allows for easy implementation in different missions and space environments.

In this talk, the development status of the smaller dimension demonstrator, mini.PAN, and the results obtained by the beam tests are reported. Possible applications are discussed as well.

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