

## Results of a beamtest with irradiated M-Cz sensors

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In a beamtest at CERN H2 the behaviour of irradiated and non-irradiated full-size AC-coupled strip detectors made of n-type magnetic Czochralski silicon was investigated. The sensors of the size of  $4 \times 4 \text{ cm}^2$ ,  $300 \mu\text{m}$  thickness with 768 strips and  $50 \mu\text{m}$  pitch had been produced at the Helsinki Institute of Physics. After the qualification, the sensors were irradiated with fluences between  $10^{14}/\text{cm}^2$  and  $10^{15}/\text{cm}^2$  and were tested again. Modules had been built with irradiated and non-irradiated sensors and APV electronics. The sensors' performances concerning mainly signal/noise, efficiency and resolution were tested with the help of the silicon strip detector based beam telescope SiBT. The beamtest and the results will be presented.

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