

## **Testing response of detectors with high-energy protons at CCB**

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The Proteus C-235 isochronous cyclotron in the Cyclotron Center Bronowice of the IFJ PAN in Krakow delivers monoenergetic proton beam with 230 MeV, which can be very fast attenuated to any energy down to 70 MeV with the energy selector systems. The energy dispersion  $\Delta E/E < 0.7\%$  and beam intensity from 600 nA to 0.1 nA makes this infrastructure ideal for testing response of different detector arrays to the protons. So far the tests were performed by different international collaborations for the elements of such constructed detectors systems as CALIFA, FAZIA and PARIS.

In the presentation the experimental setups used in these tests and preliminary results will be presented, the learned issues related to testing different detectors system will be discussed, as well as the preparation of the experimental hall to test detectors in the future will be mention.