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Development of 2d- and 3d- coordinate single plane readout for GEM detectors.

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The development of different detectors based on GEM technology both for PID and tracking including detailed detector response simulation will be discussed. Description of the GEM foil (Tech-Etch production) selection and test procedure will be presented.

A new approach for low mass, single plane 2d- and 3d- readout for GEM detectors and test results will be described.

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