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Testing of planar hydrogenated amorphous silicon sensors with charge selective contacts for the construction of 3D- detectors.

The presentation will describe the performances of planar hydrogenated amorphous silicon (a-Si:H) sensors with charge selective contacts developed in the framework of the fabrication of a 3D a-Si:H sensor. These devices were developed as an intermediate technological step towards the final detector but they have interesting flux/dose measuring capabilities by themselves.

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