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## **DEPFET status report**

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This contribution aims to give an overview of the DEPFET project to develop ultra-thin vertex detectors for future collider applications. A brief status report for all detector components is presented. The focus of this report is on a recent achievement: the successful thinning of prototype sensors to a thickness of 50 micron. A characterization of the thermo-mechanical properties of a realistic detector mock up is shown, including an evaluation of the potential of gas-based cooling. The response of read-out modules based on these sensor prototypes and a new high-speed read-out ASIC is evaluated using a beam of minimum ionizing particles in the H6 area in the CERN SPS. Preliminary results from the beam test are shown.

Primary author: VOS, Marcel (Instituto de Fisica Corpuscular (IFIC) - Universidad de Valencia)

Presenter: VOS, Marcel (Instituto de Fisica Corpuscular (IFIC) - Universidad de Valencia)

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