

Characterization of sensors from US vendor Tezzaron/Novati

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The US CMS Outer Tracker group received a first set of wafers from Tezzaron/Novati, which had been fabricated as part of an innovation grant from the US Department of Energy. A preliminary characterization has been carried out by three US institutes and aside from an anomaly with the guard ring structure the results are promising. The wafers contain a number of test structures, some of which are relevant for the Phase II Outer Tracker replacement and some for the High Granularity Calorimeter. Results from measurements of diode and strip structures are presented.

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