

## **New Pixels for CMS**

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After installing the phase I upgrade pixel detector earlier this year CMS is already preparing the phase II high luminosity upgrade targeted for 2024. While the phase I upgrade was centered around new versions of the pixel readout chip, the phase II upgrade will also feature new thinner sensors with smaller pixel cells. First prototypes with various pixel cell designs have been fabricated and studied in the DESY test beam. First results regarding efficiency, resolution and charge collection uniformity are available.