

R&D plans forward detectors (FCAL)

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Lumical

- 2 weeks ago, TB @ DESY :
 - installation of lumical prototype with 16 layers of tungsten + silicon planes (6 layers in the 2016 TB) -> confident in the sensor production
 - Readout was not the dedicated readout (already used in 2016 TB)
==> starting the data analysis
- New dedicated readout chip (FLAME) produced and assembled on a front end board.

Lumical in 2020

- In march 2020, two weeks TB @ DESY
 - Between 16 and 20 layers (W+Si)
 - FLAME readout will equip some planes (at least 4)

Beamcal in 2020

- New group from Tomsk joined the collaboration and will produce some GaAs sensors
- Our Chilean colleagues have sent to production a dedicated readout chip for the beamcal
- Integration in February and maybe a test in the march 2020 TB