

Status of CEPA Csl

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for the CALIFA R³B WG

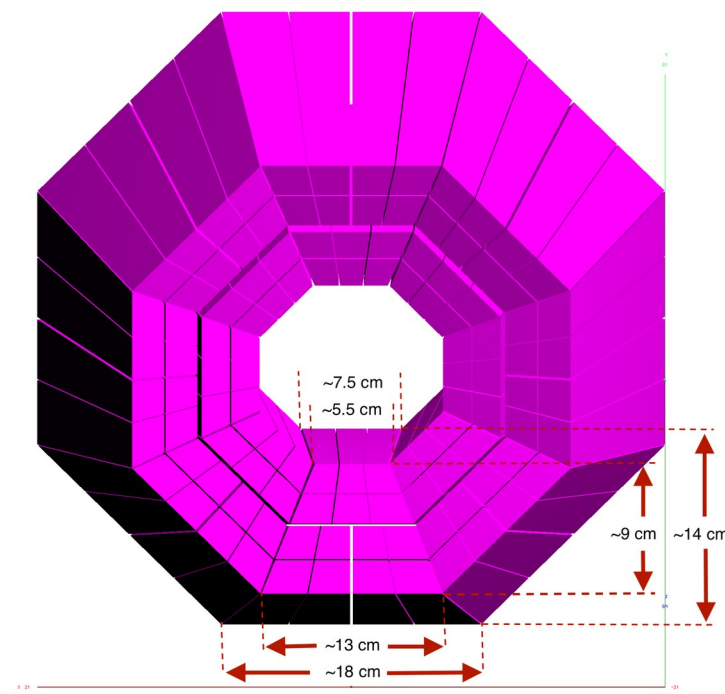
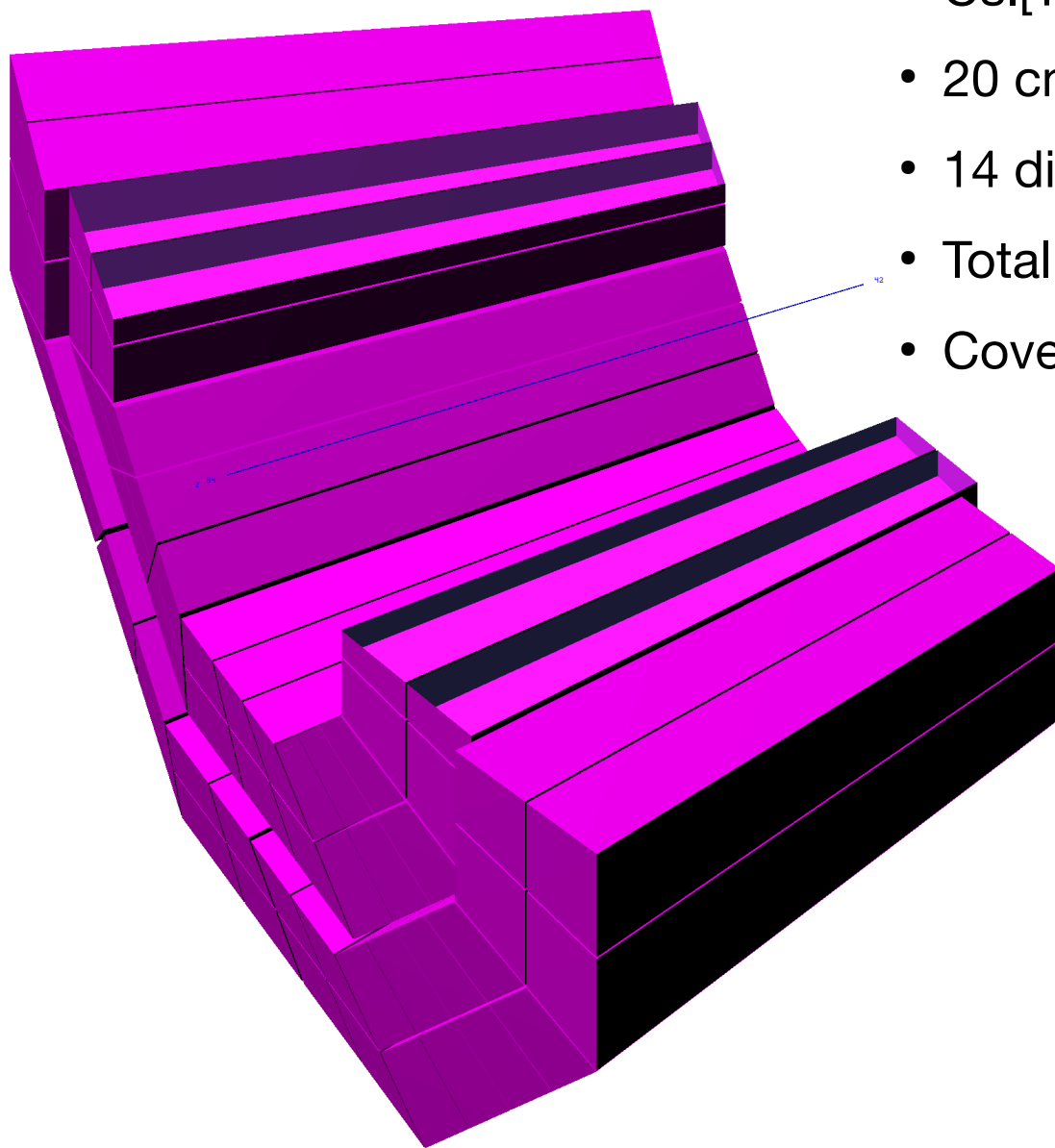


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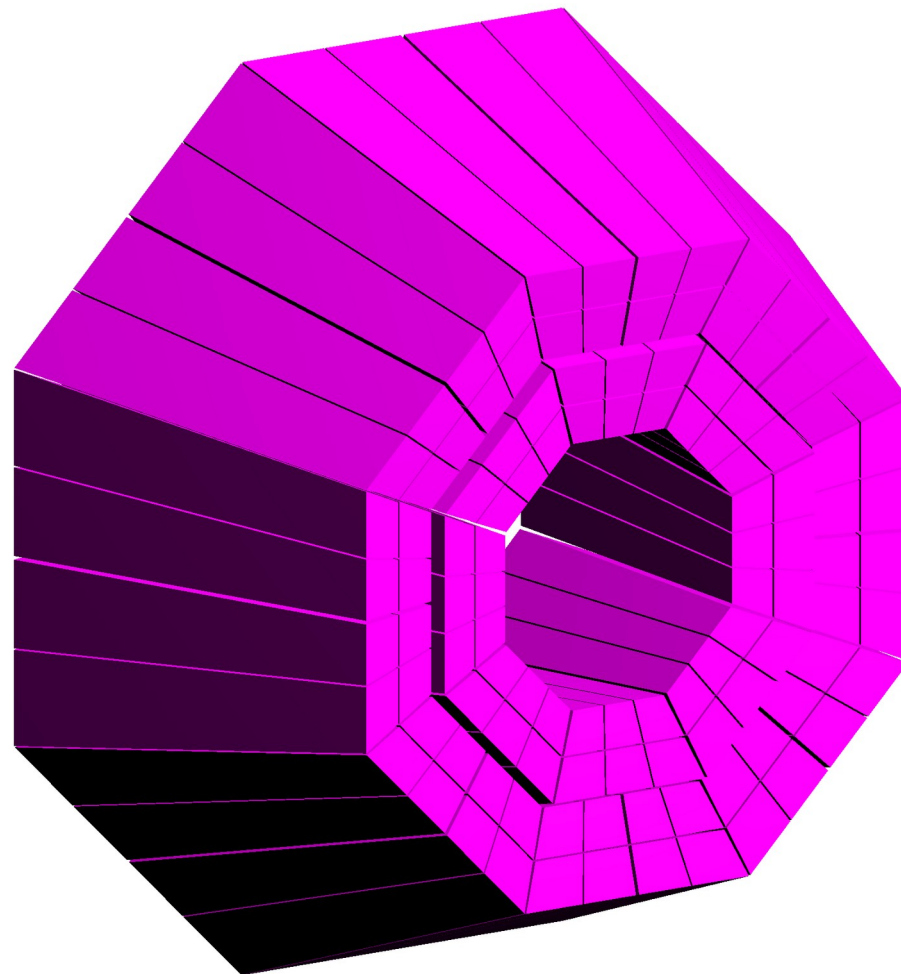
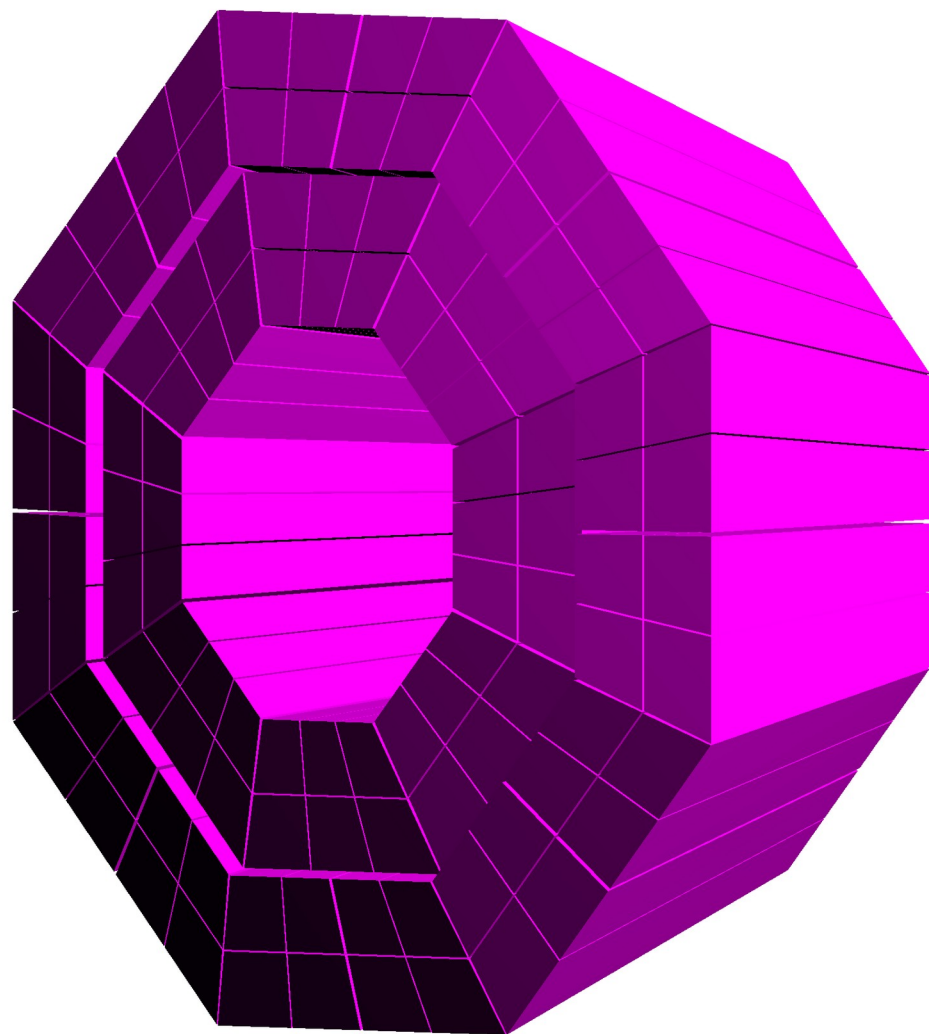
- CEPA CsI[Tl]: design reminder
- Crystals at USC.
- Mechanical support: problems fitting the crystals.
- Agenda.

CEPA-CsI design reminder

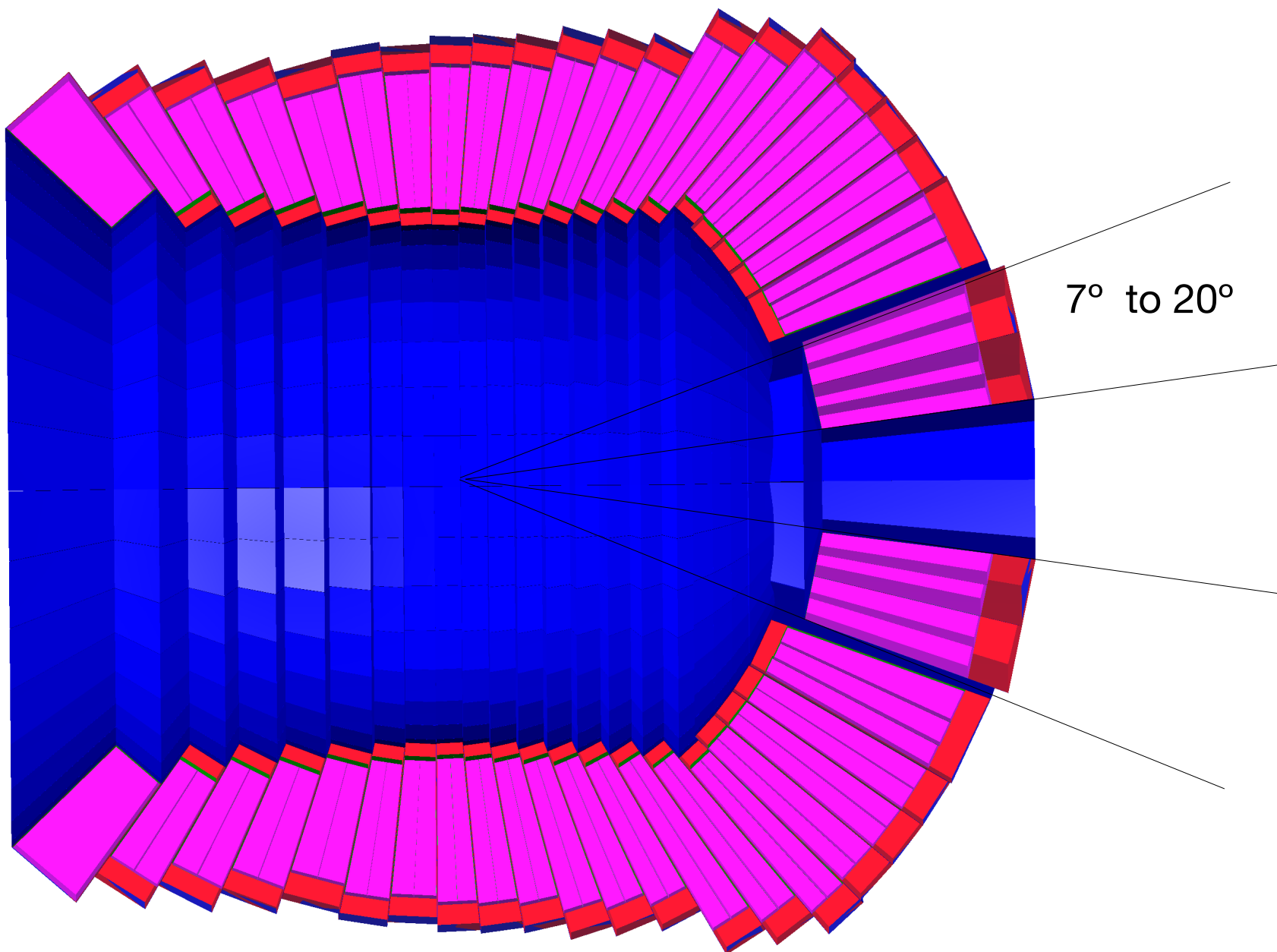
- CsI[Tl] + LAAPD concept, 8 sectors.
- 20 cm long CsI[Tl] crystals.
- 14 different crystal models per sector.
- Total of $14 \times 8 = 112$ crystals.
- Covers polar angles from around 7° to 20° .



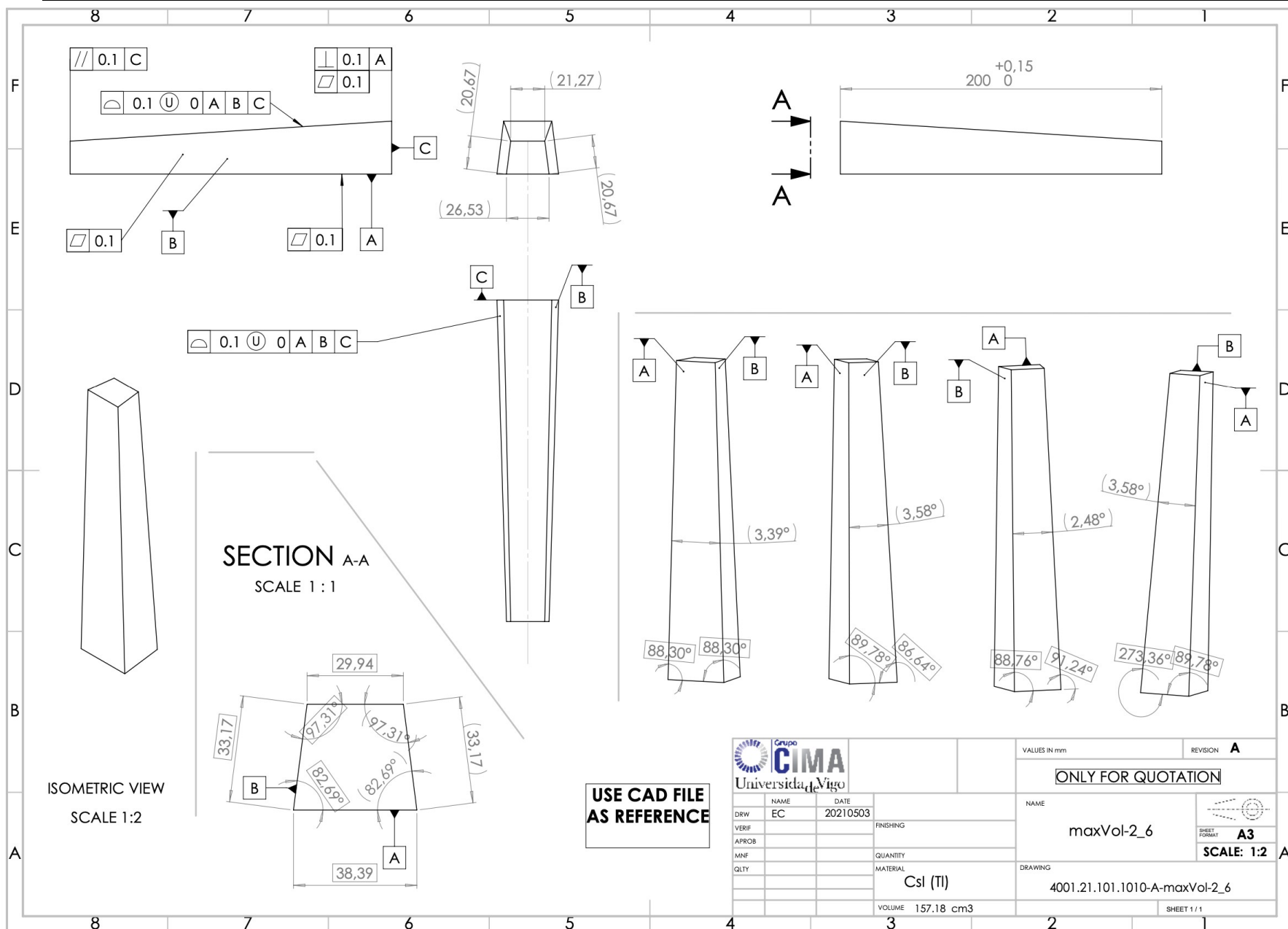
CEPA-Csl design reminder



CEPA-Csl design reminder



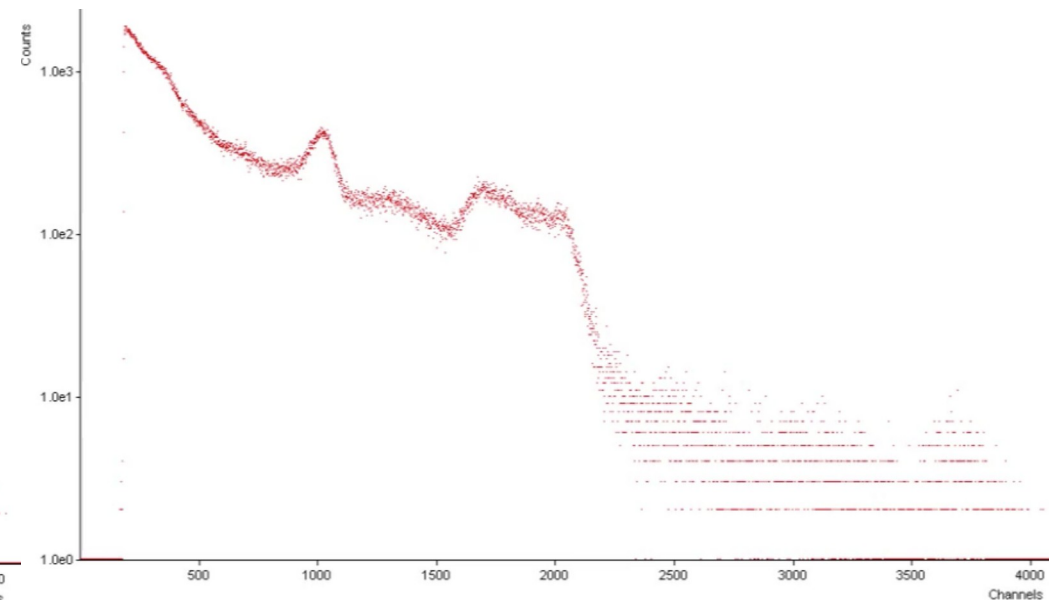
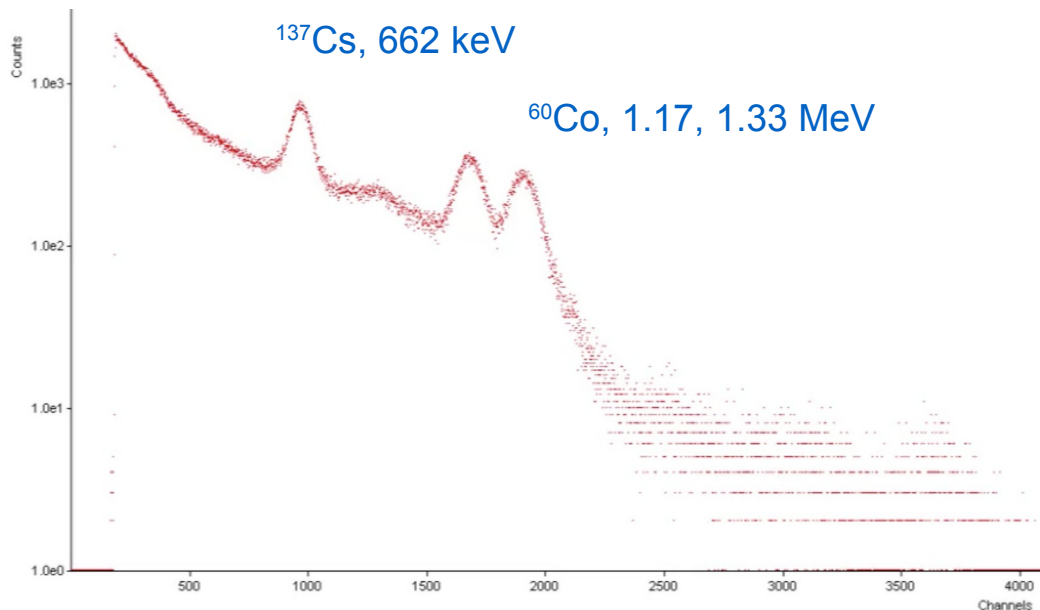
CEPA-Csl crystals request to Amcryst



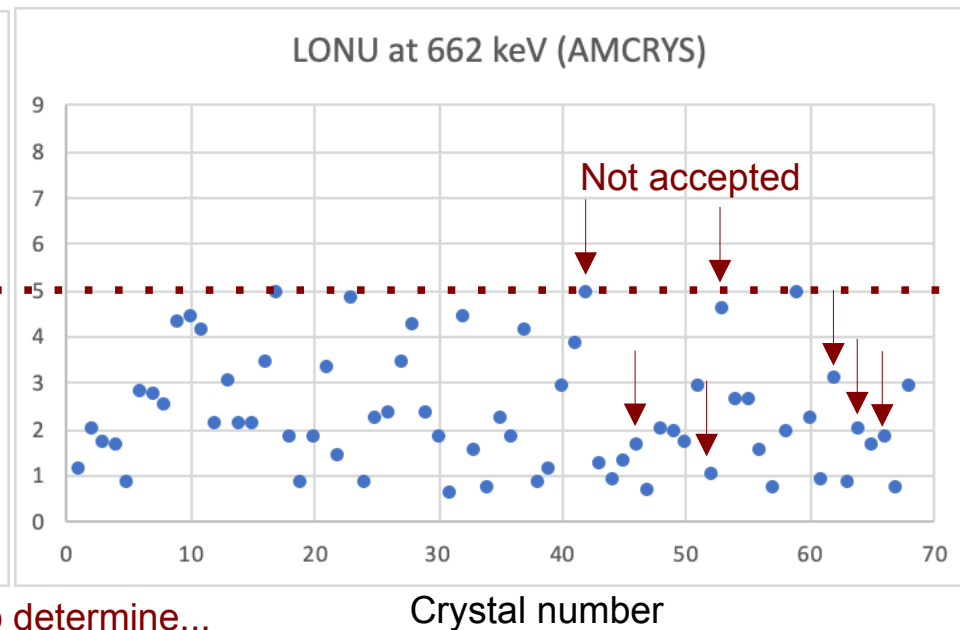
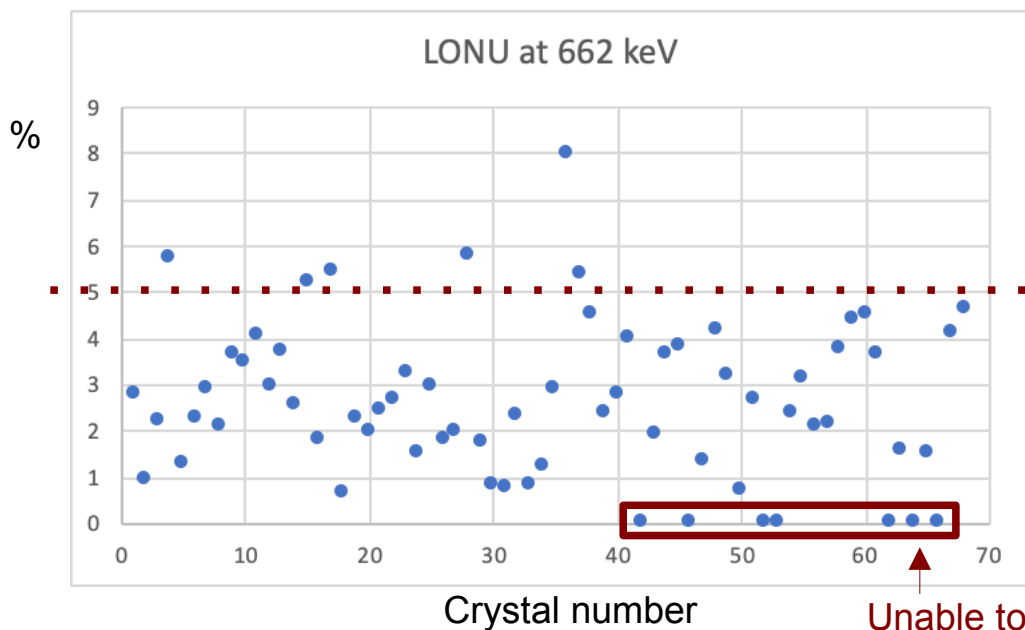
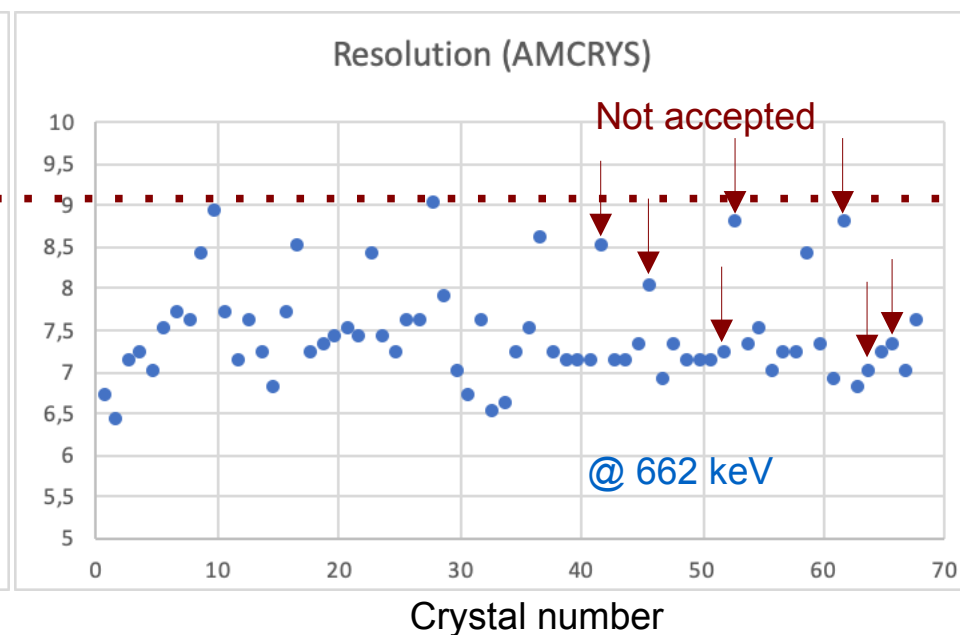
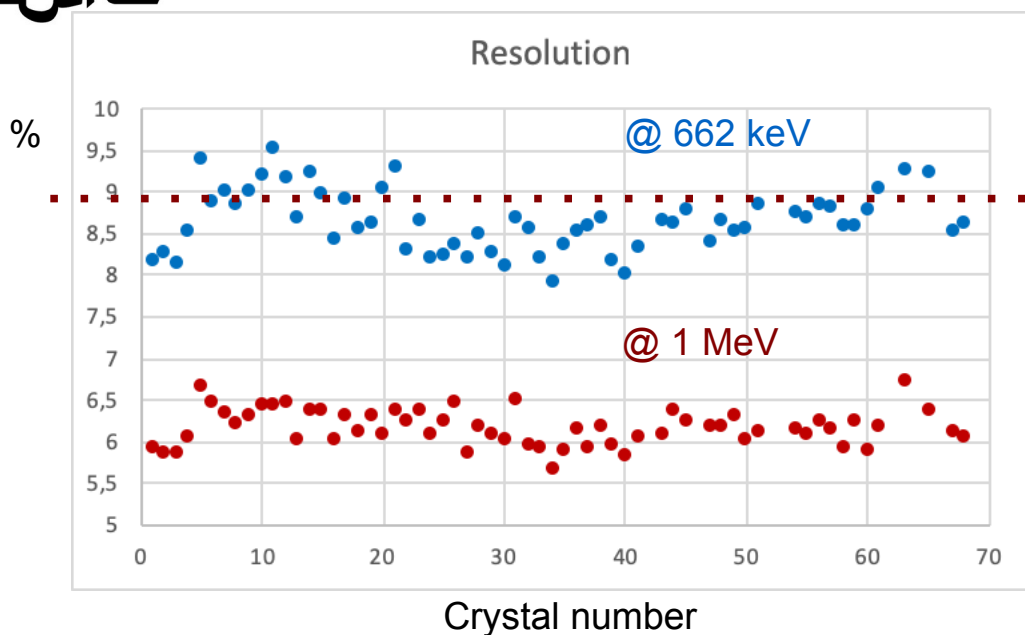
CAD models 4001.21.101.1001 to 4001.21.101.1014.

CEPA-CsI crystals request to Amcryst

- USC bought 6 sectors (84 crystals) (+ LAAPDs, wrapping, ...).
- A total of 68 crystals have been received and tested at USC.
- A pack of 6 crystals are waiting for delivery; another 10 could be produced in June, following AMCRYS communication.
- From the 68 received crystals, 8 are now at TUDa and 7 are out of tolerances and should be sent to AMCRYS for repairing (?).



CEPA-CsI crystals request to Amcris



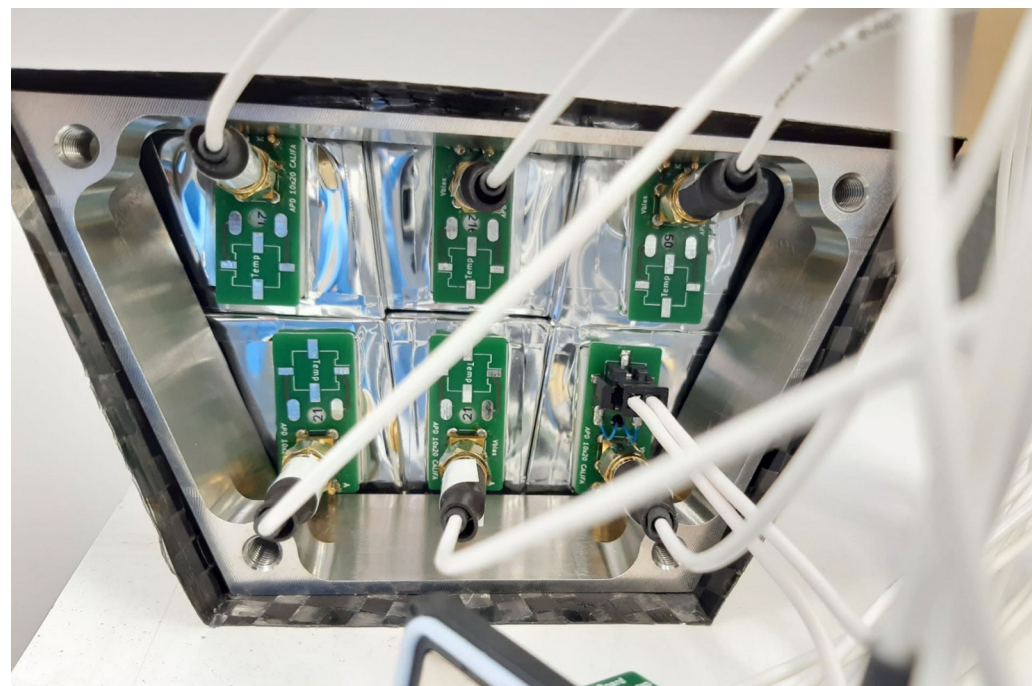
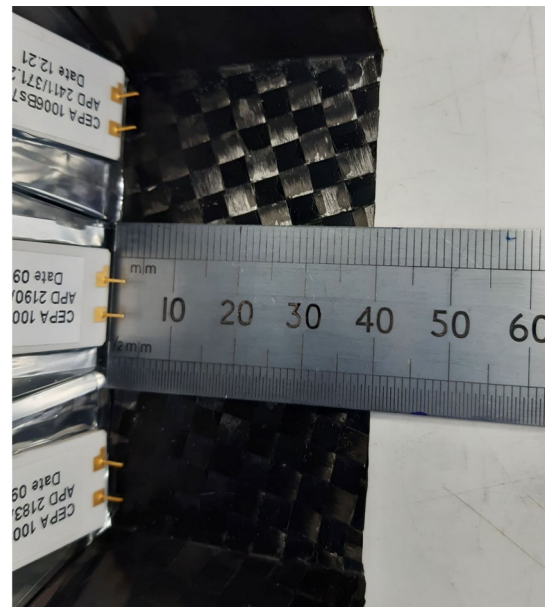
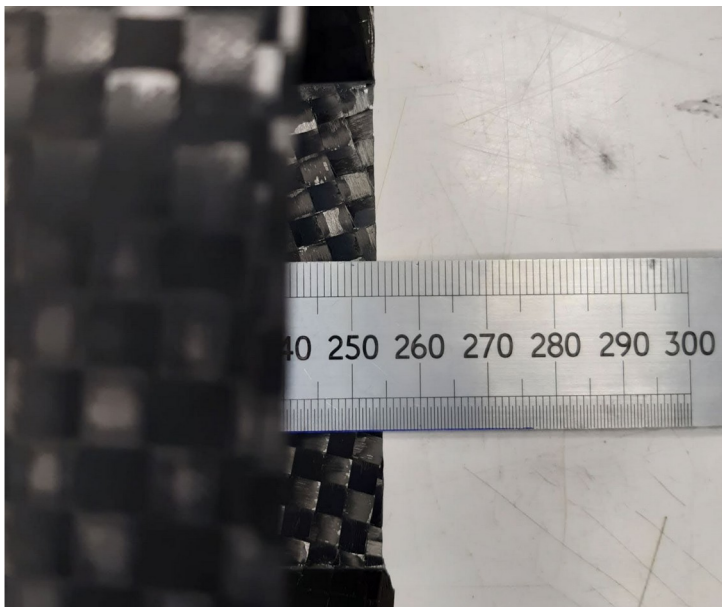
Unable to determine...



CEPA-Csl alveoli and support

- UVigo working on the design and production of the alveoli and the support system for the CEPA-Csl.
- Request of funds to the WG still not solved; solution (Chalmers/Vigo) expected this June.
- Required tests on the new carbon fibre alveoli and on the proposed solutions for supporting the system.
- Up to now, a single large alveolus and some supporting pieces were prepared for testing.

CEPA-Csl alveoli and support





CEPA-Csl outlook

- Crystals tested and ready for three complete sectors, and expected to have them ready for another three sectors in a short time, provided Amcrys is able to honour the terms of the contracts (under extreme conditions!)
- Mechanics have to be prepared and require funding (hopefully to be completed soon).
- Tests on the handling solutions should be developed!!