

Status of ECAL-P mechanics for Test Beam 2025 - old tungsten plates

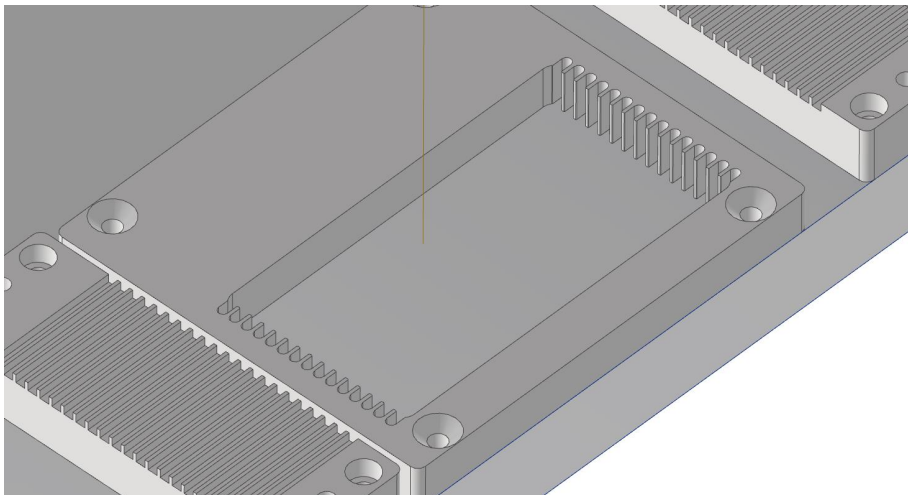
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LUXE ECAL-P weekly zoom meeting 24 April 2025

Old FCAL Tungsten Support (zoom)

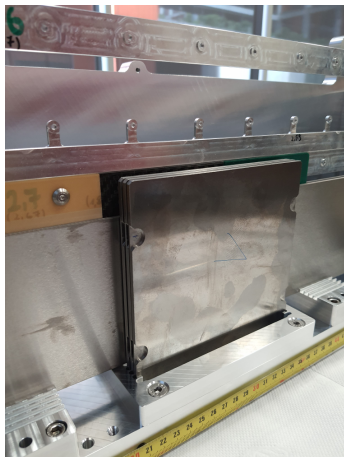


- for TB setup nominal combs shifted towards ECAL-P center
- new combs for OLD FCAL tungsten added in the middle (14 slots for backup)
- longer ribs - no extra side support needed

Old FCAL Tungsten Support is ready

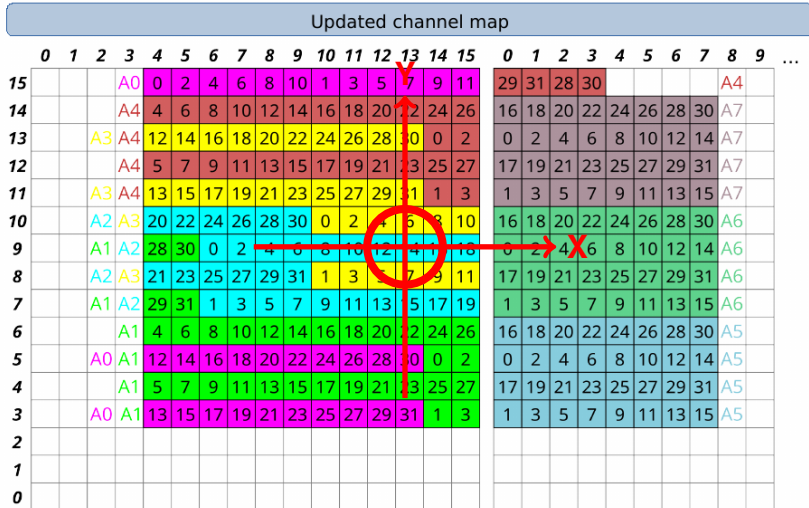


Old FCAL Tungsten Support is ready



- Q: direction of cutting ?
- for 12 instrumented planes (incl. 1 “in front”): 6+5 or 9+2 (new + old)
- Q: one instrumented plane behind last tungsten plate ?
- NOTE: one extra old plane should be cut to host the T-frame “in front”

Channel map for TB 2025: expected nominal beam aperture



- rotation axis close to geometrical center (decoupling of rotation and translation)
- **rotation axis (||) at first instrumented tungsten plate**
- readout area: 20 columns $\times$ 5.5mm = 110 mm, (15mm OLD tungsten margin on both sides)