



BabyMIND geometry for FPF/FLArE

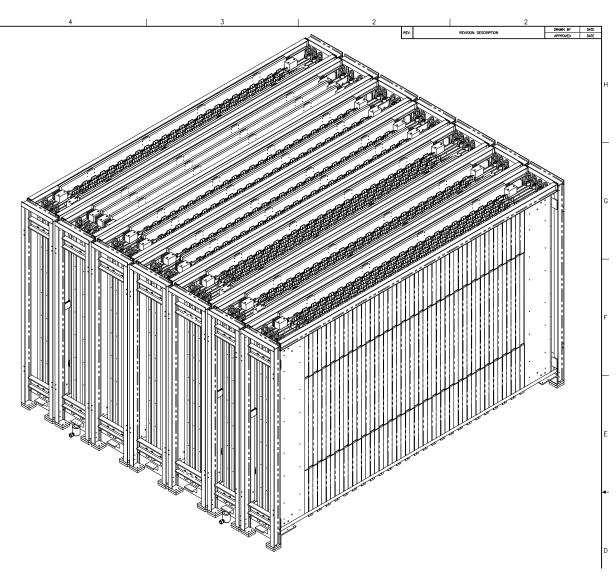
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FPF Technical Meeting – July 5th, 2024

BabyMIND

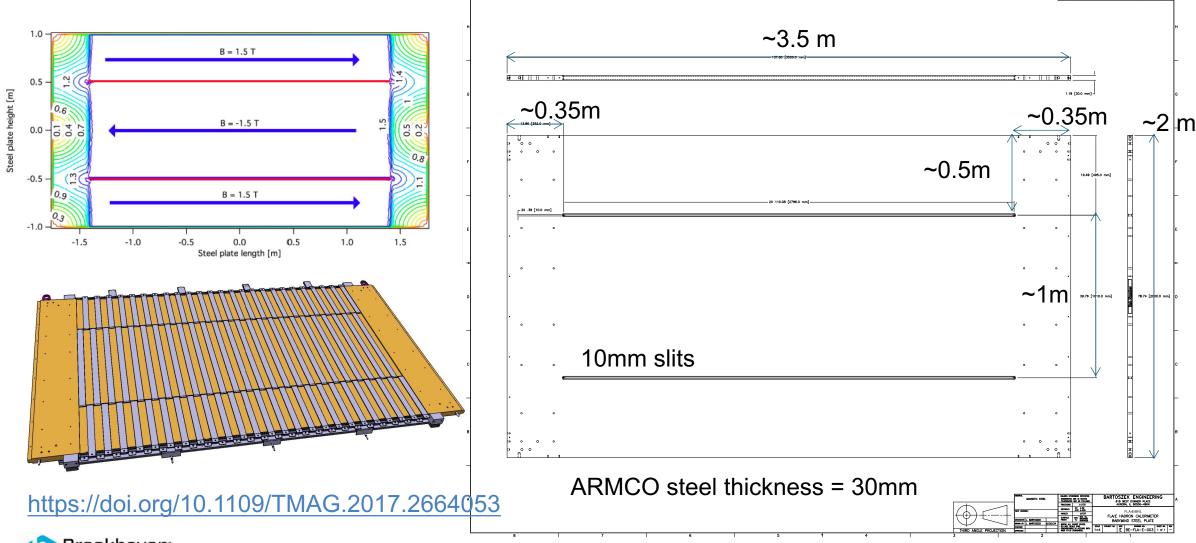


BabyMIND in T9 area

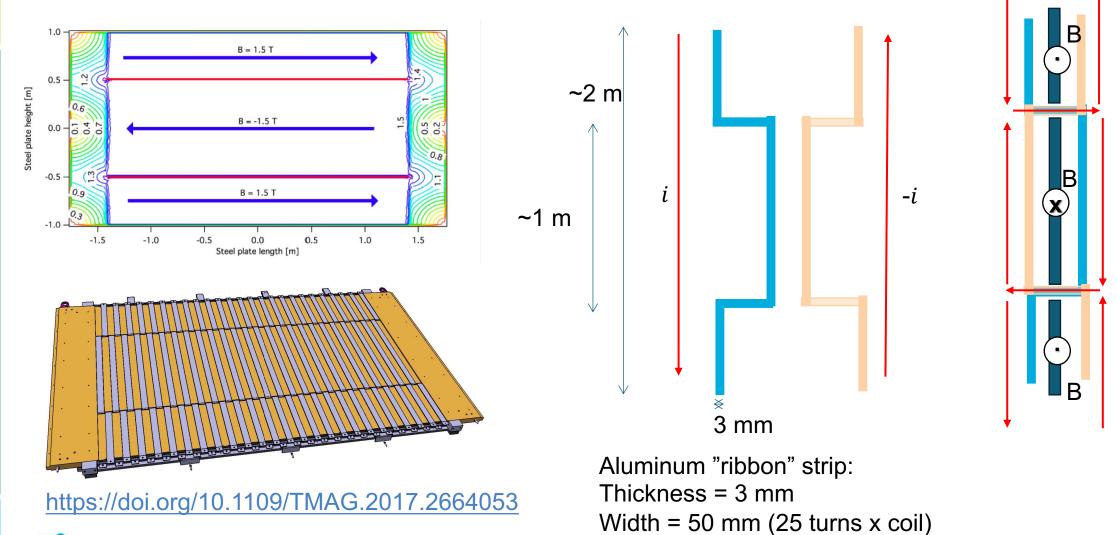




Magnet module: ARMCO plate

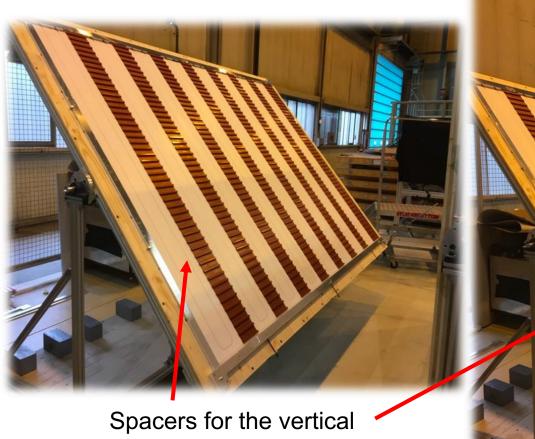


Magnet module: electrodes

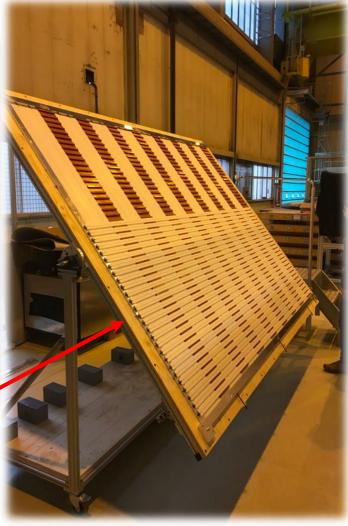




Detector module



Spacers for the vertica bars also support the horizontal bars

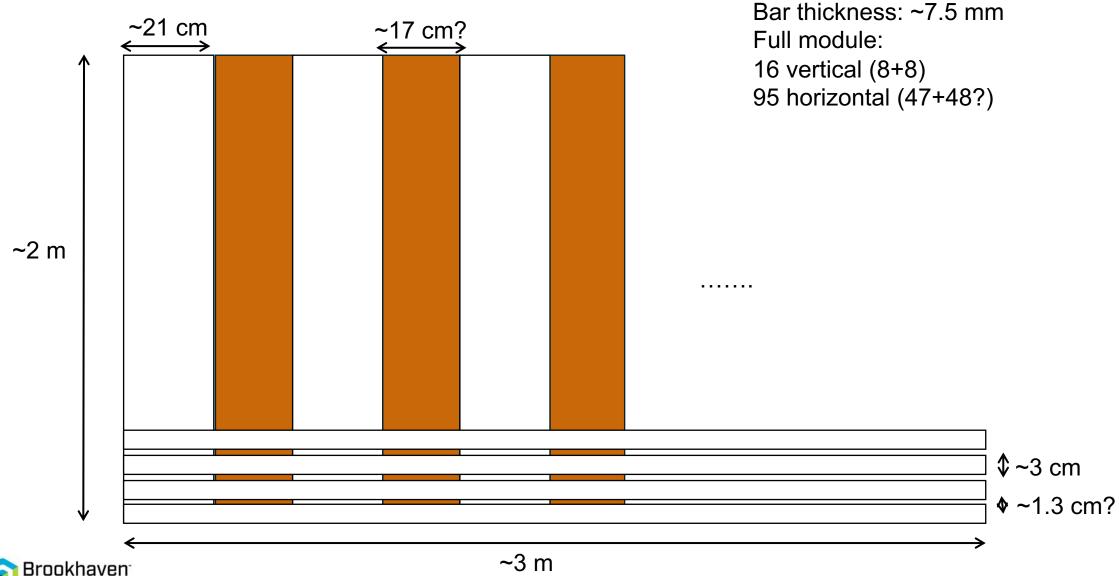




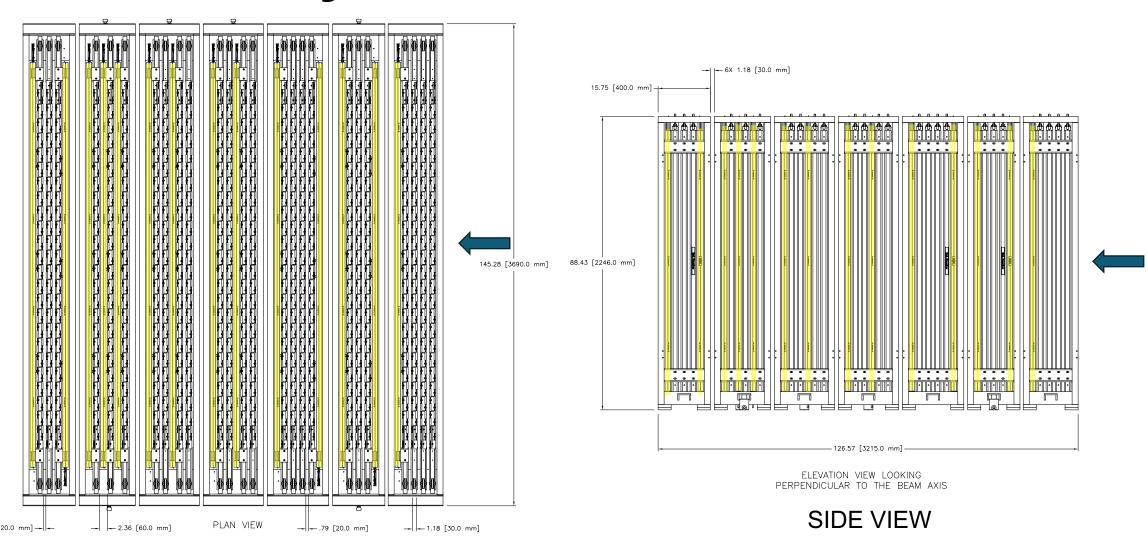
Bars are staggered in the second half to cover the gaps in the first half.



Detector module



Full assembly





Readout

Channels per module:

- 16 vertical bars x 2 = 32
- 95 horizontal bars x 2 = 190
- TOTAL = 222 channels

Current assembly:

- 14 detector modules
- 3108 channels



