

MAST Proton Detector: 2D Mechanical Housing Design

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Goal: Update mechanical housing design to create next issue of the design for approval.

Description
New tentative design length: 185mm
2D drawings to update:
a) shield - also find new metric screws flush with surface
b) brackets for shield
c) connector piece 1 - new length
d) connector piece 2 - new thickness?
e) module - account for additional PEEK insulation
f) base - verify new material
g) detector insulator - new design
h) washer - change slits to holes

machine design, intermediate

Finished