



Fast-ions diamond detector

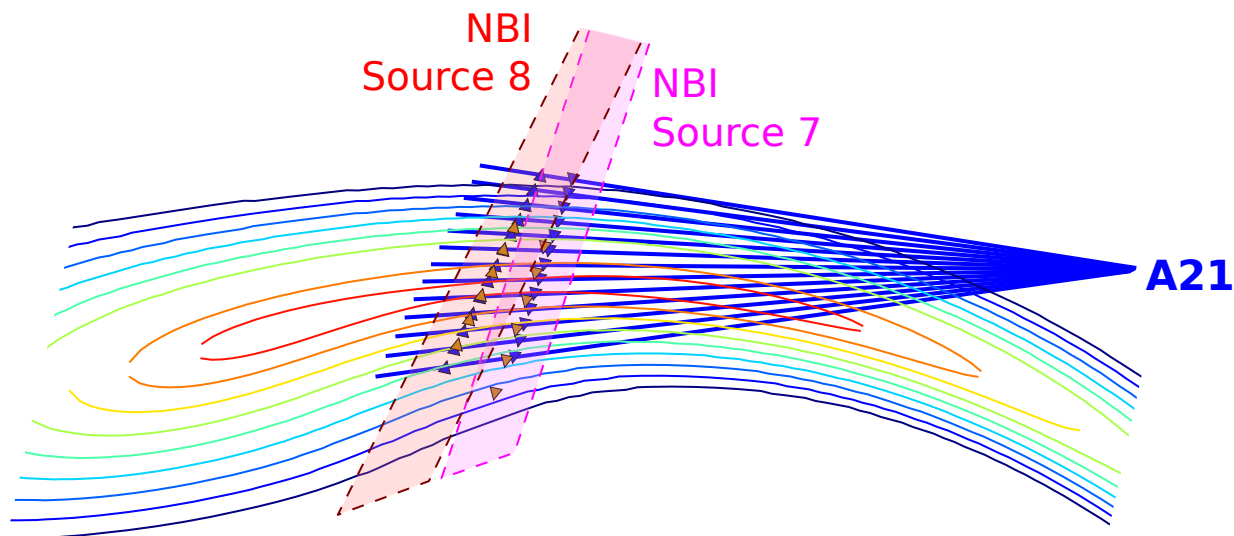
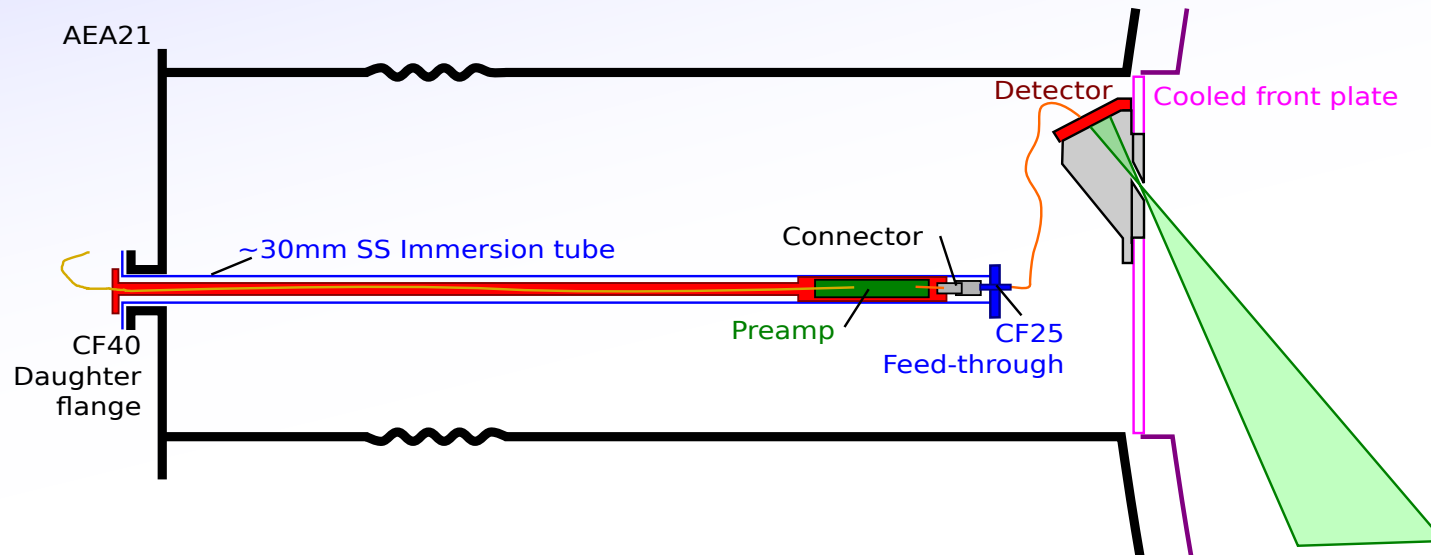
Idea Proposal for OP2.1/2.2?

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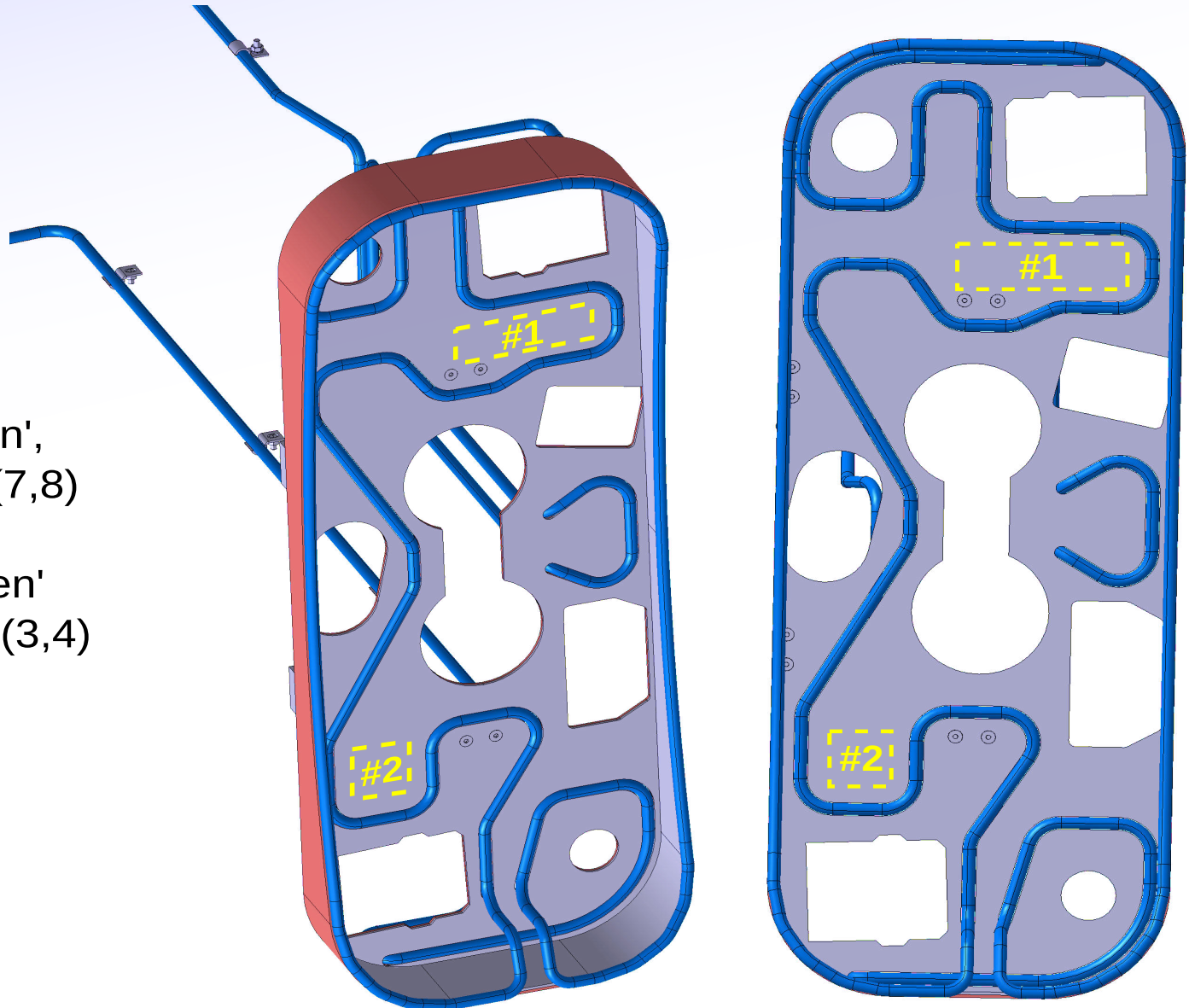
AEA21

- Idea is to attached the suggested NPA diamond detector to the AEA21 frame or cooled front plate, with a small aperture in the front plate to view the K21 or K20 beams directly.



AEA21 Front plate

- With current design there are two spaces available in the front-plate.



#1: Below CXRS 'Oben',
to view K21 beams (7,8)

#2: Above CXRS 'Unten'
to view K20 beams (3,4)

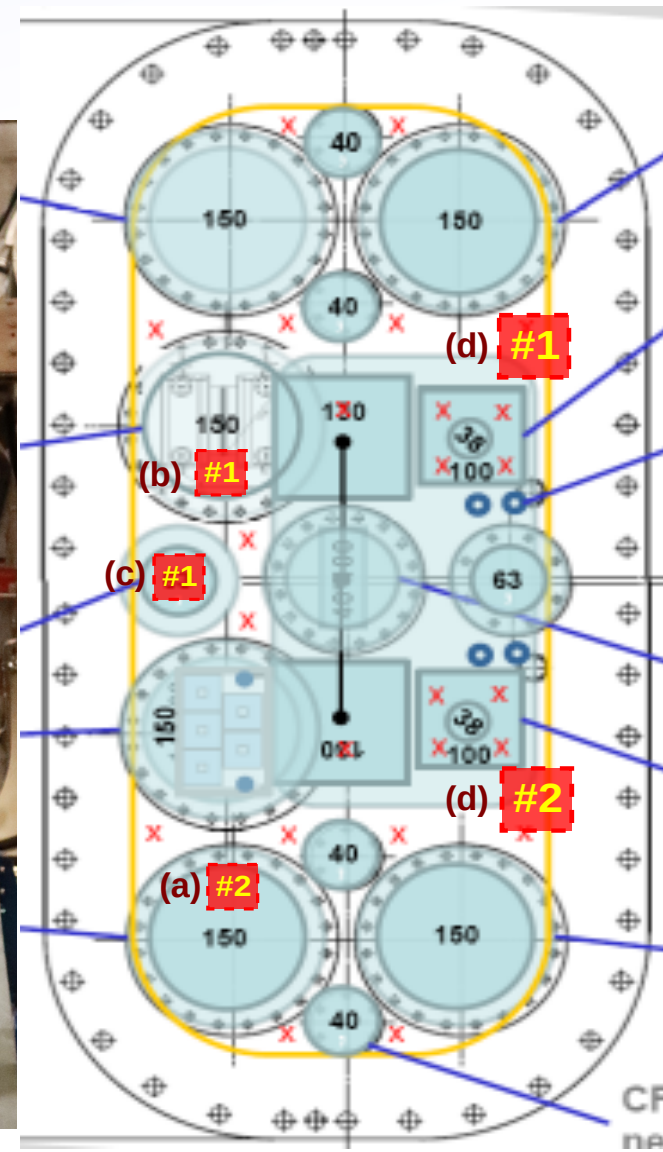
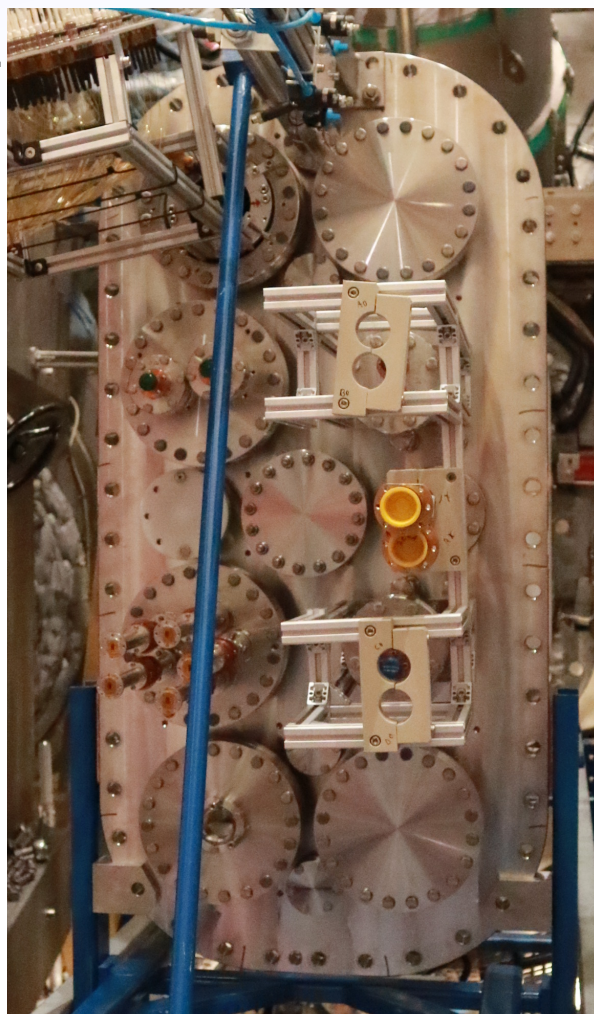
AEA21 Flange

- We would need to find space on the A21 flange for the 20-30mm tube.

Preferably find space in one of the existing sub-flanges:

- a) Halpha window flange
- b) Microwave antennas flange.
- c) Replace manometer?

d) Otherwise, we would need to modify and add CF40 flange somewhere



AEA21 Flange

- Space on upper reflectometry plug-in (Gavin?) looks limited:

