

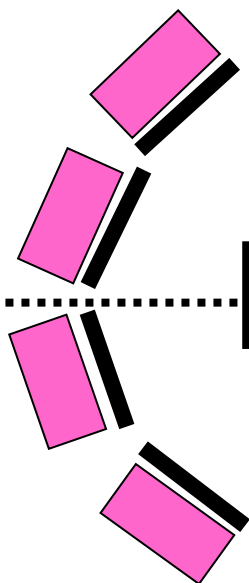
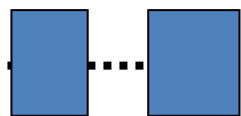
Summary of E655 configuration in VAMOS G1 area

$^{18}\text{Ne}(d,d)$

$^{18}\text{Ne}(d,t) \ ^{17}\text{Ne}$

$^{18}\text{Ne}(d,^3\text{He}) \ ^{17}\text{F}$

VAMOS
Focal plane
Detection
PlastG-D
Ionization Ch.
Drift Ch.
Finger



Block of 4 +2+2 MUST2

Solid CD2
target

79,14cm

BTD2

120,24cm

BTD1

MUST2 at 0 deg
MUST2 : 4 telescopes
(+2 + 2 For Elastic scatt)

(Mask2)

Mask1

SPIRAL ^{18}Ne

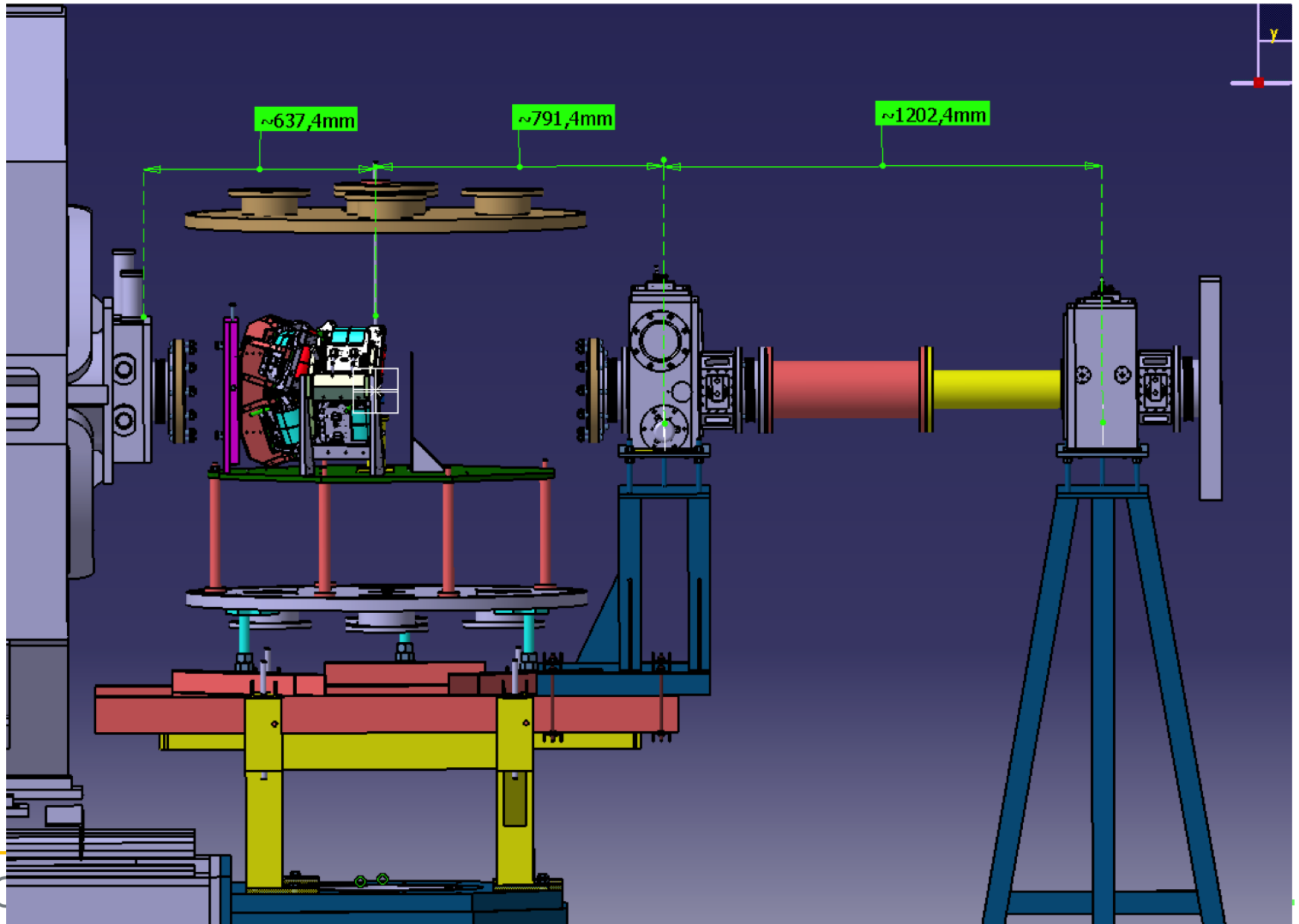
@ 16.5A.MeV

$I \sim 2 \cdot 10^5/s$

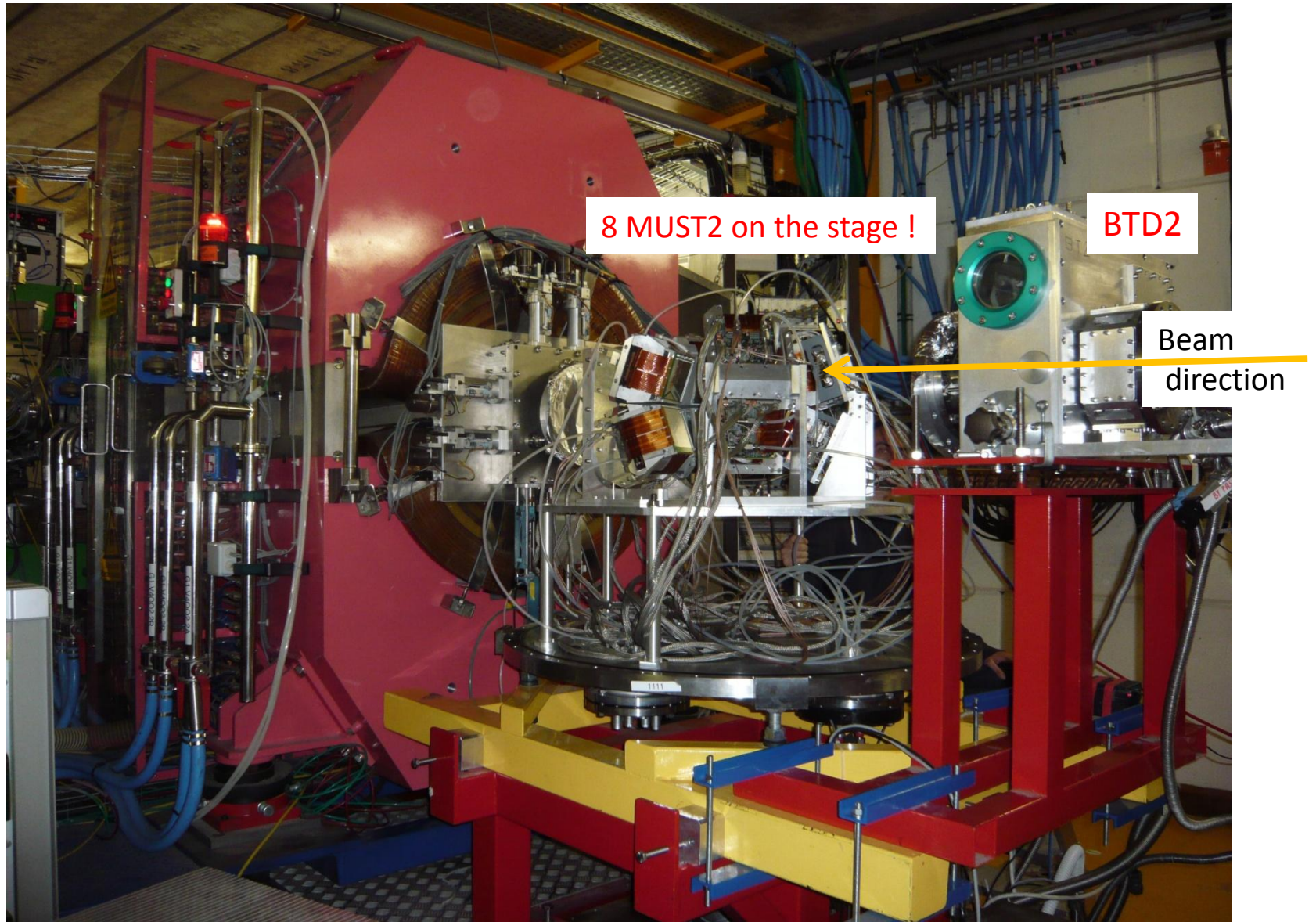
Beam reconstruction on target with BTDs

- ^2H → MUST2 Wall at 90 degrees with tilted target
- ^3H and ^3He → MUST2 forward hemisphere
- Heavy residue may be bound or unbound by one proton emission
→ Ionization Chamber + Plastics

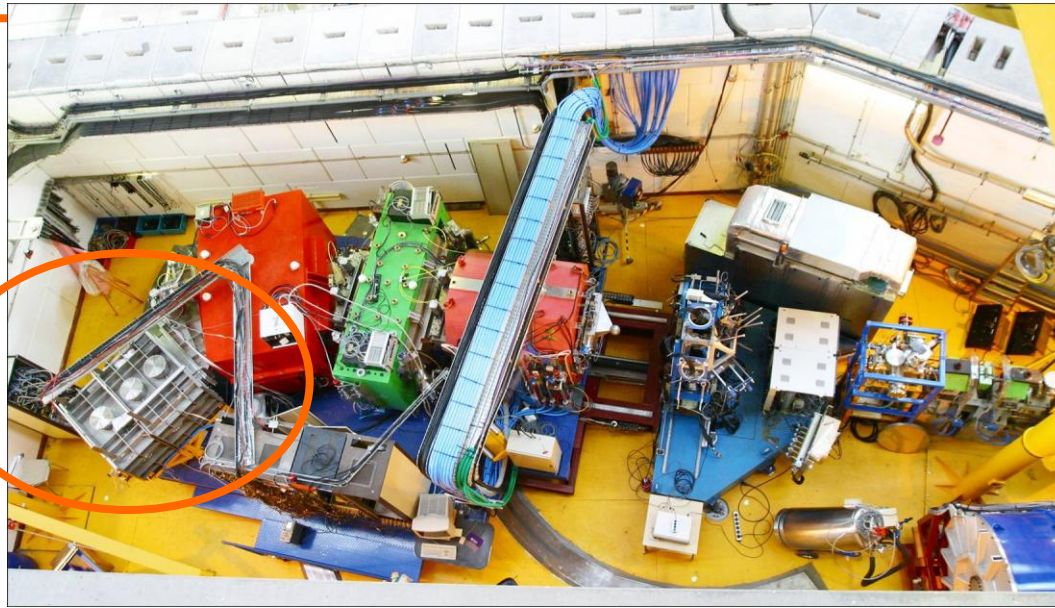
Experimental configuration for MUST2 in VAMOS



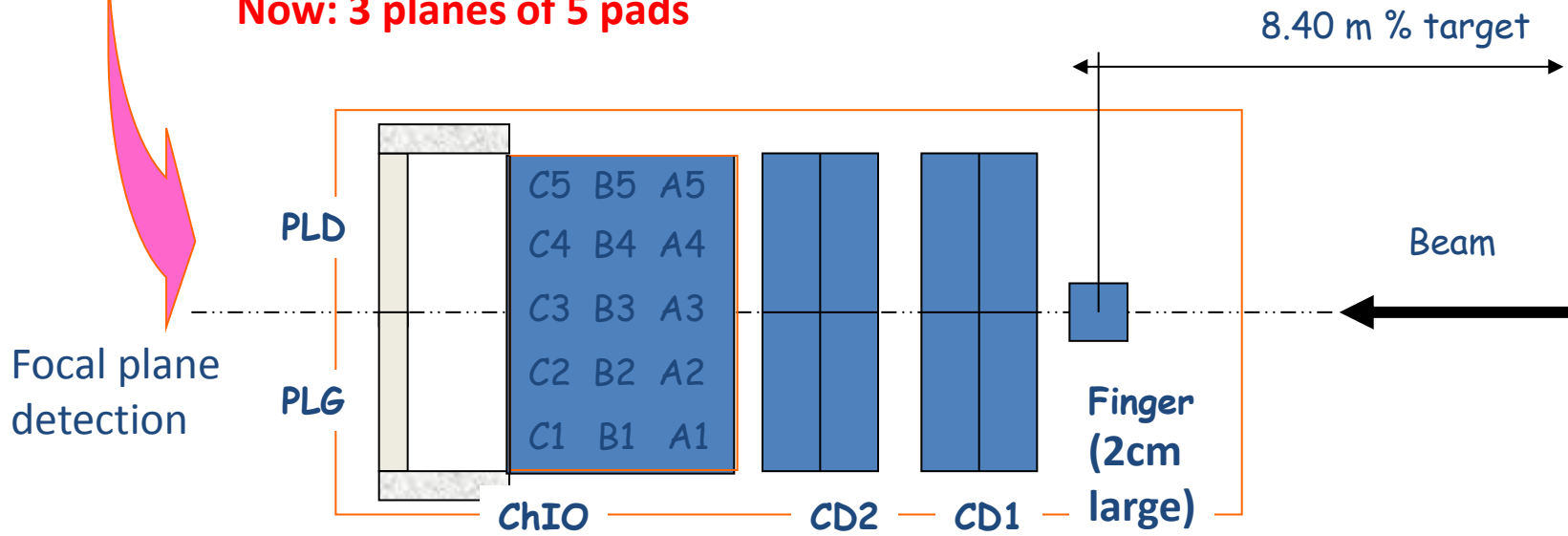
Experimental set-up in the reaction chamber- VAMOS area



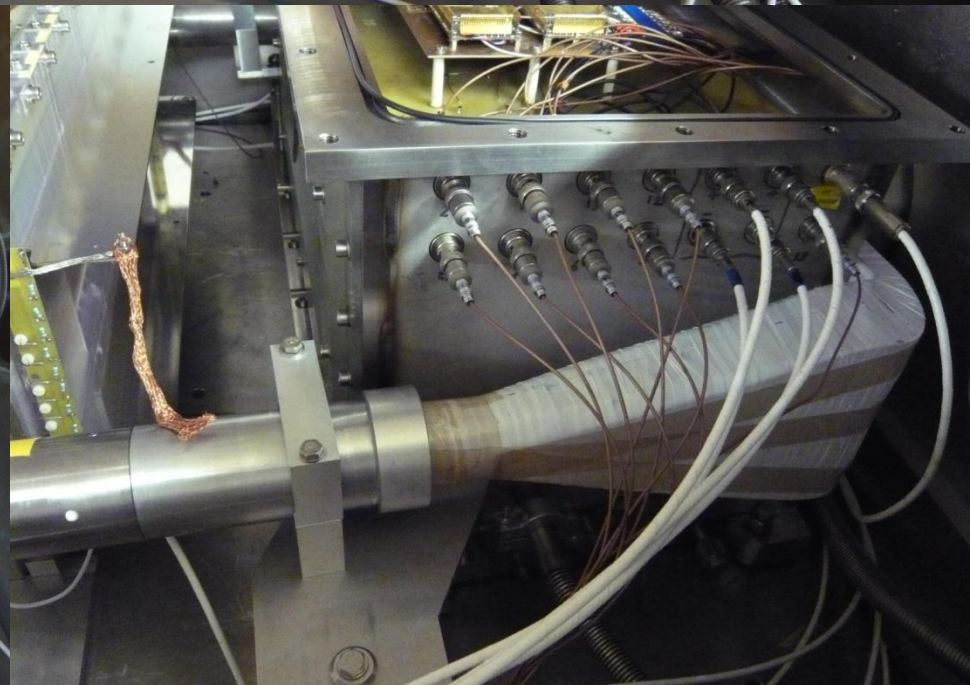
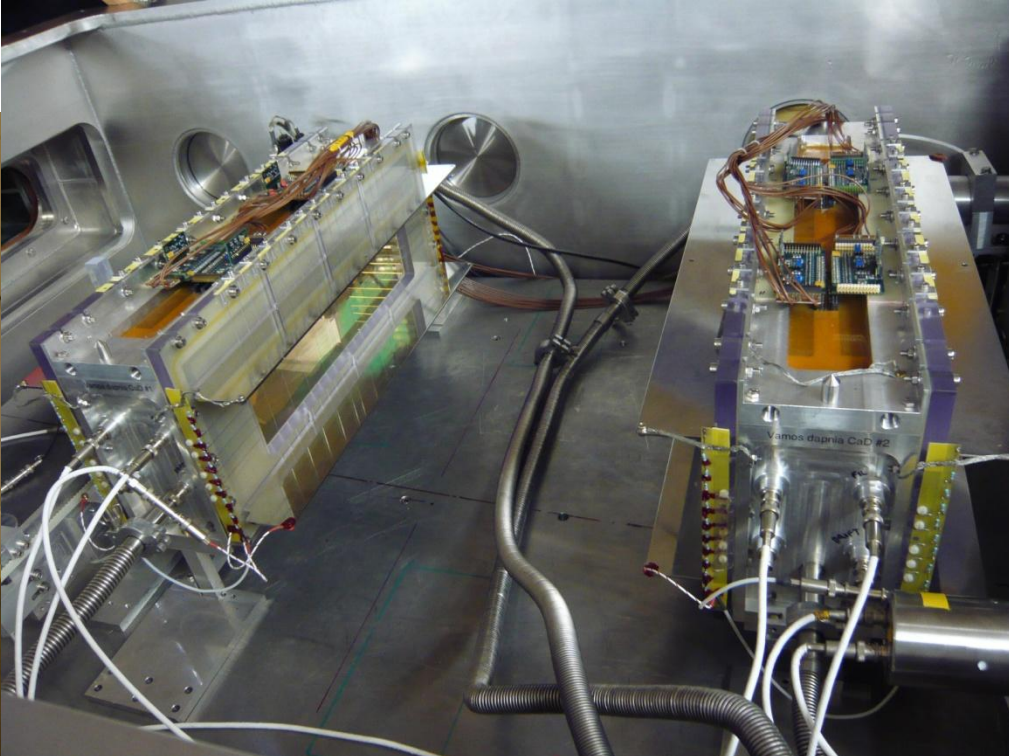
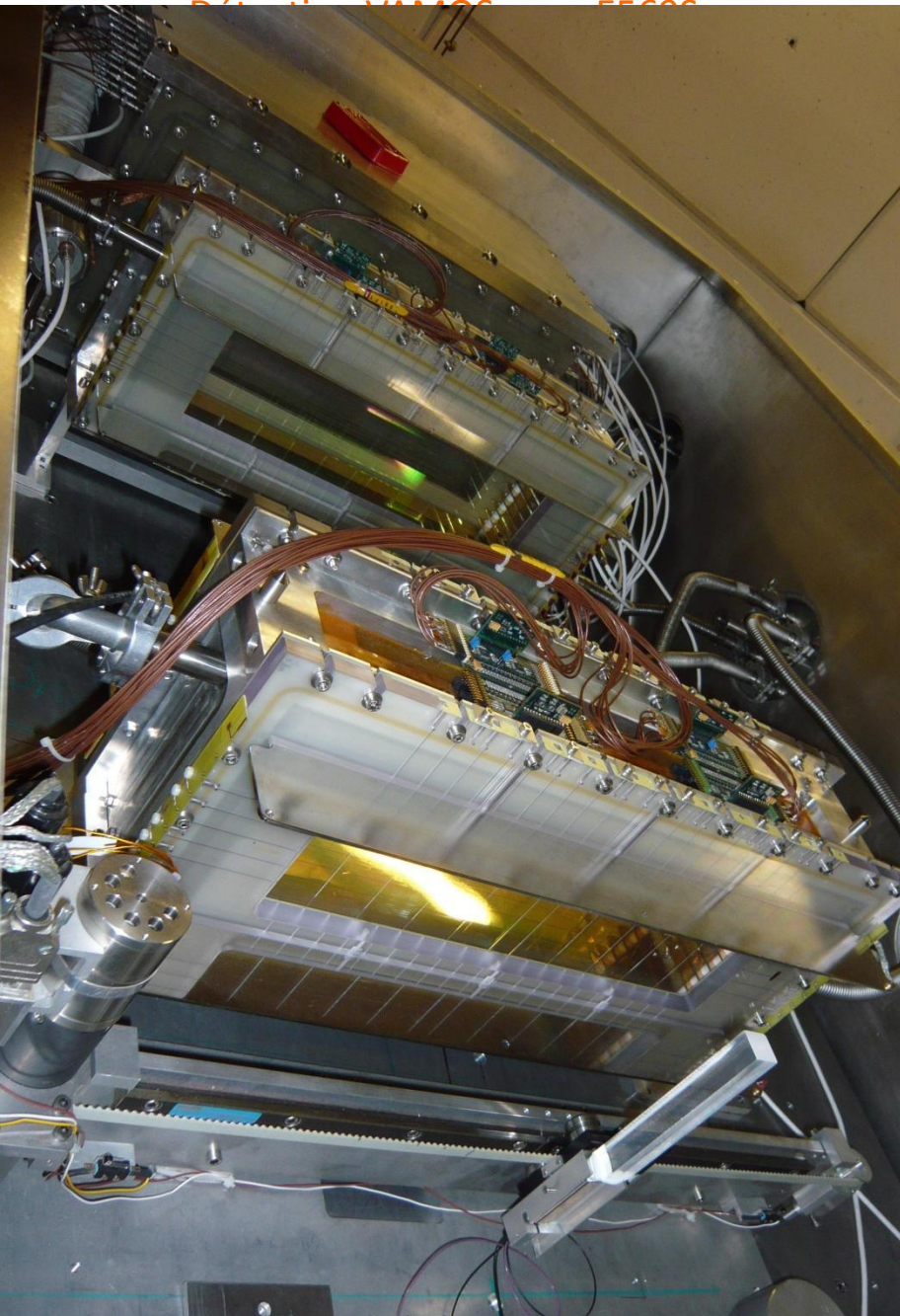
E655S - focal plane detection of VAMOS



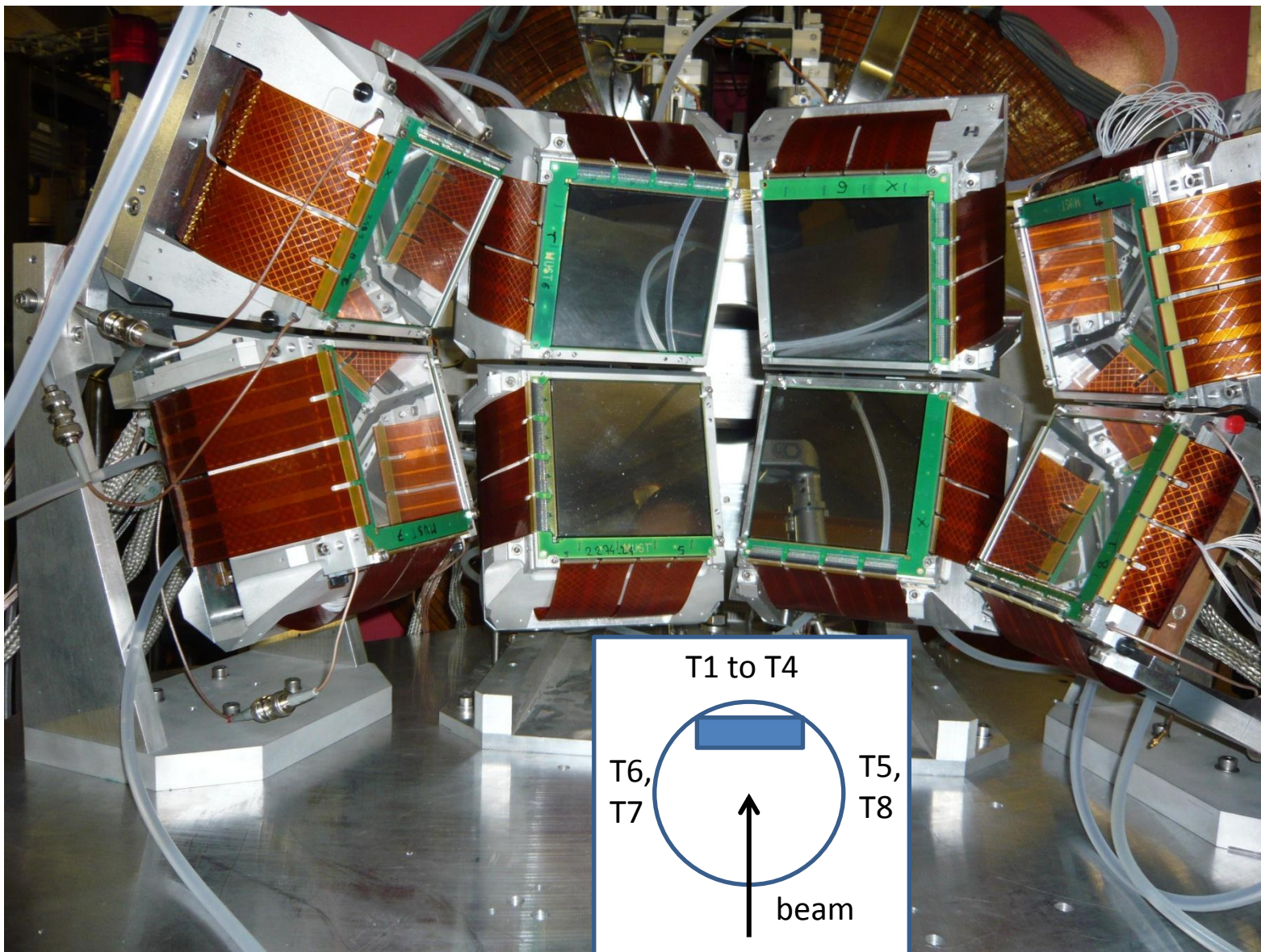
for E6569S we had 2 planes of 7 pads in the ChIo
Now: 3 planes of 5 pads



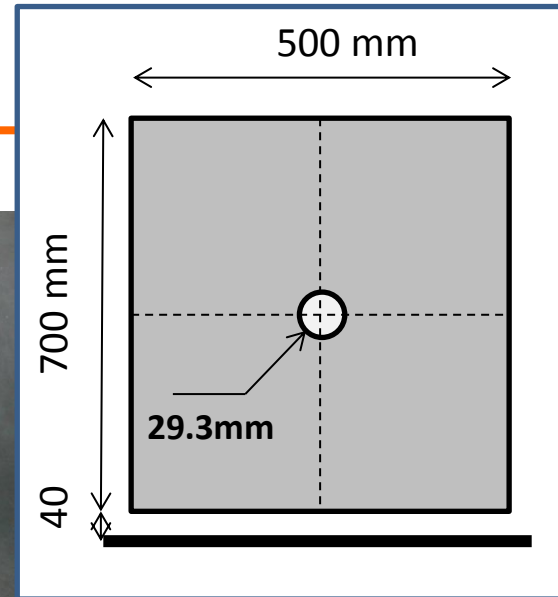
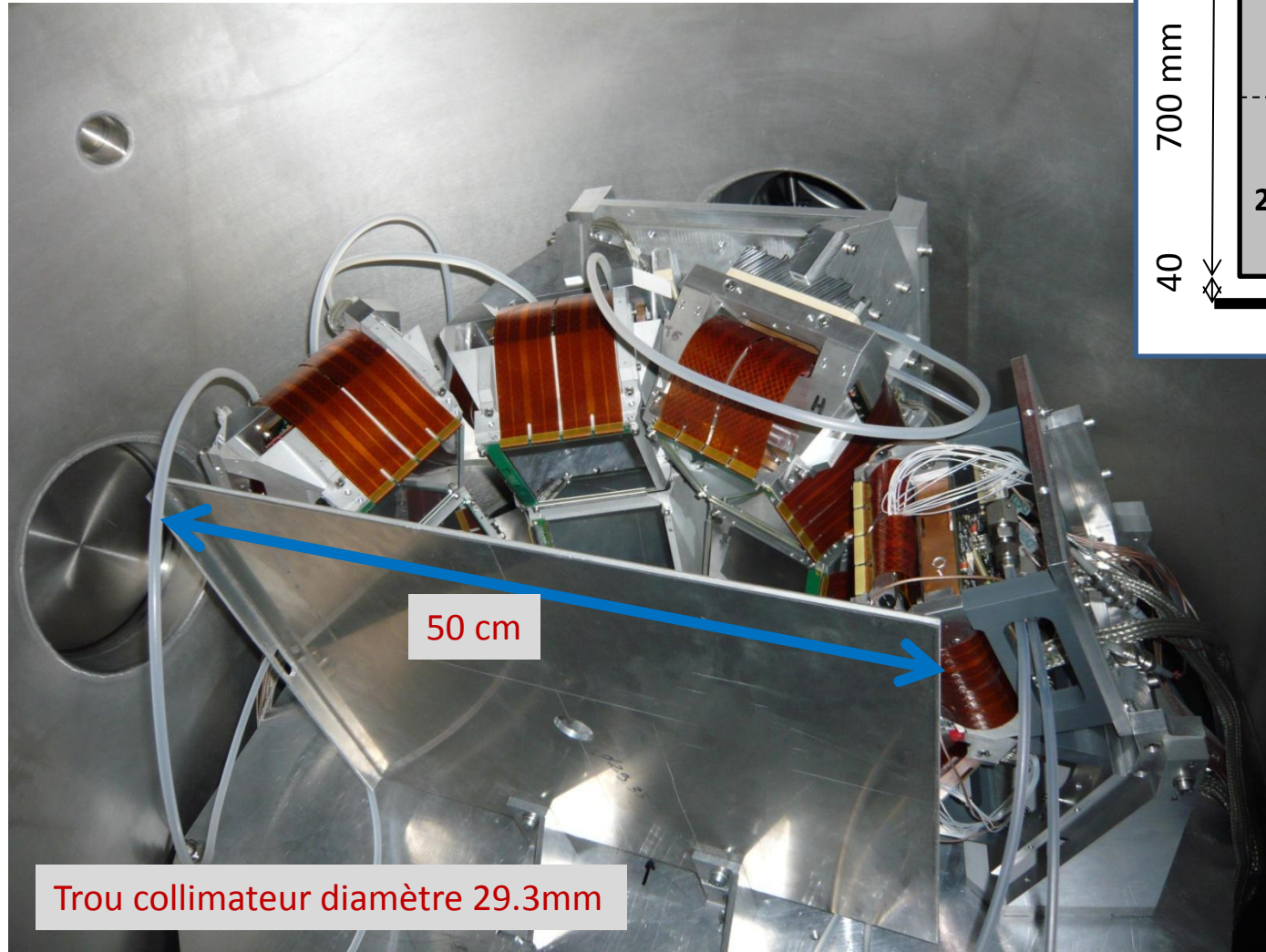
Focal plane detection



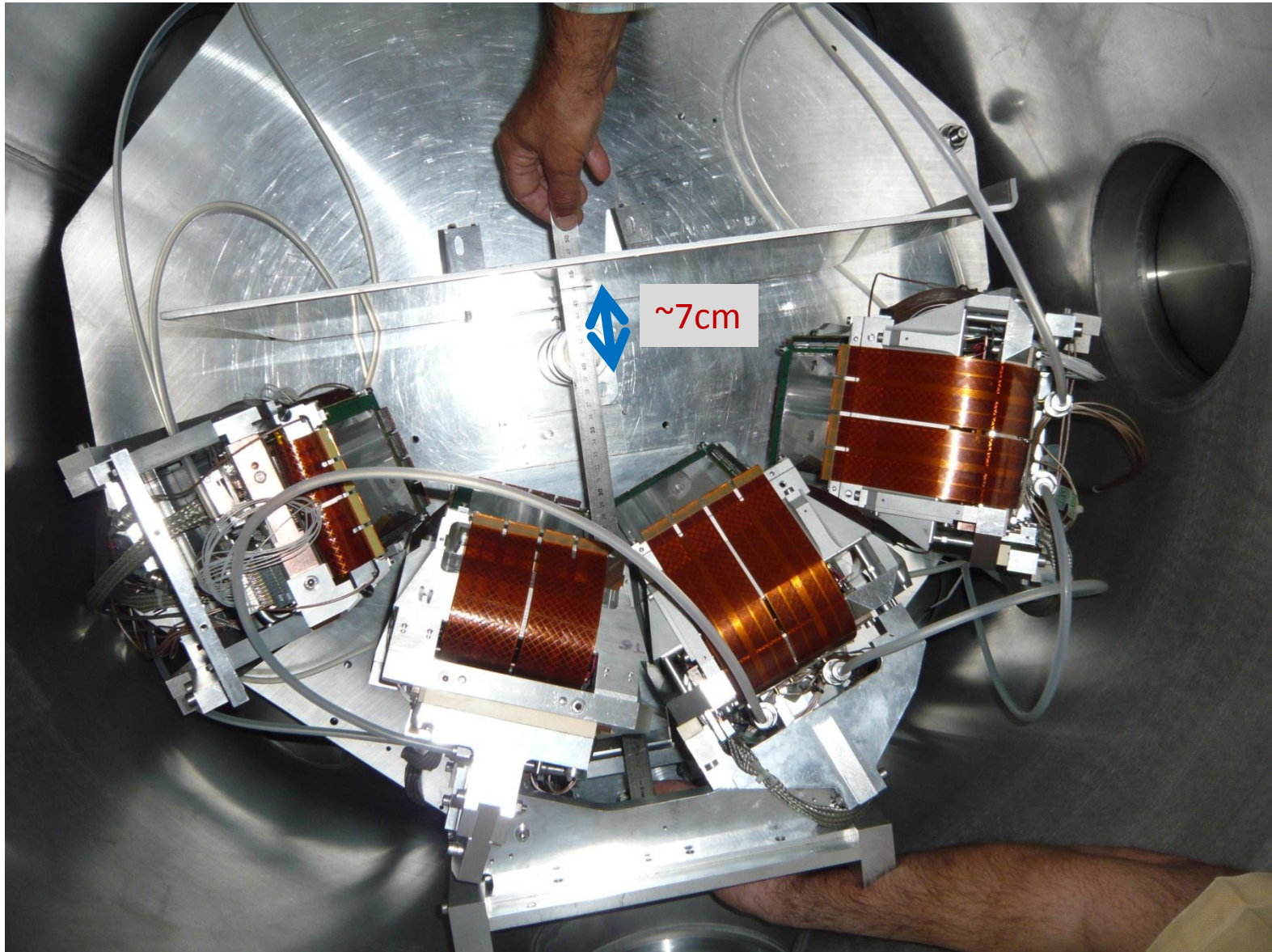
E655S configuration



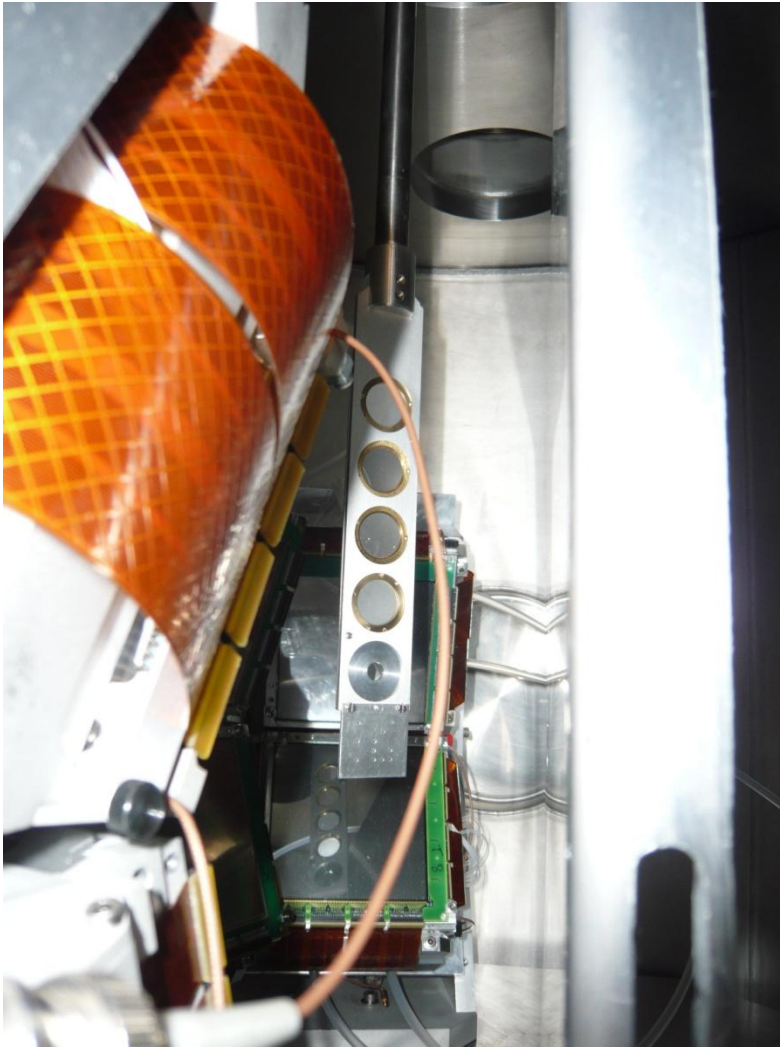
E655S Configuration



E655S Montage du collimateur



E655S CIBLES



e655S

Cibles

n°1 CD_2 0.25 mg/cm²

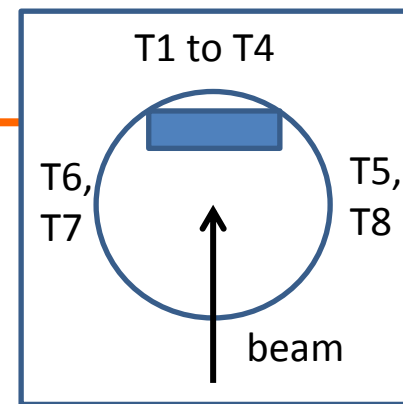
n°2 CD_2 0.5 mg/cm²

n°3 CD_2 1.5 mg/cm²

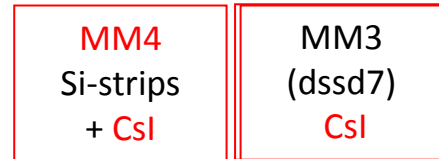
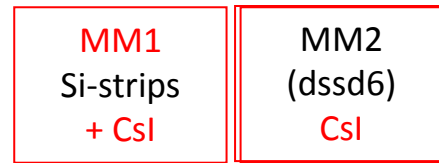
n°4 CD_2 3 mg/cm²

n°5 Cible trou 8mm

n°5 GRILLE-Masque



1, 2 3 and 4: LONG config

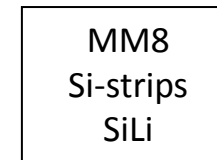
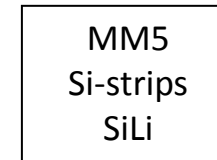


Colonne de gauche

6,7
Long



Colonne de droite



Sondes de Température
sur T2, T4 et T5, T6

5,8 short config

Statut des blocs et des DSSD et SiLi montés sur les télescopes:

MM1 dssd +Csl ; DSSD **pcb 6** MM2 = dssd de dssd6 +Csl DSSD **pcb 9**

MM3 dssd +Csl ; DSSD dssd de T7 DSSD **pcb 10**

MM4 = dssd+Csl DSSD **pcb 5** dssd: serial number: 2274-24

MM5 ; BLOC REPARE (fuite) DSSD **pcb 4** MM5 SiLi : ST9-7 ST9-20

MM6 dssd+SiLi + Csl DSSD **pcb 2** dssd du 2inserial number 2489-8 MM6 SiLi : ST9-12 ST9-13

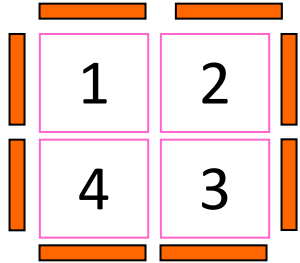
MM7 dssd +SiLi Csl ; DSSD **pcb 7** dssd: Si-strLPC MM7 SiLi : ST9-27 ST9-14

prob de connectique (vérifier les câbles T7 à l'intérieur de la chambre),

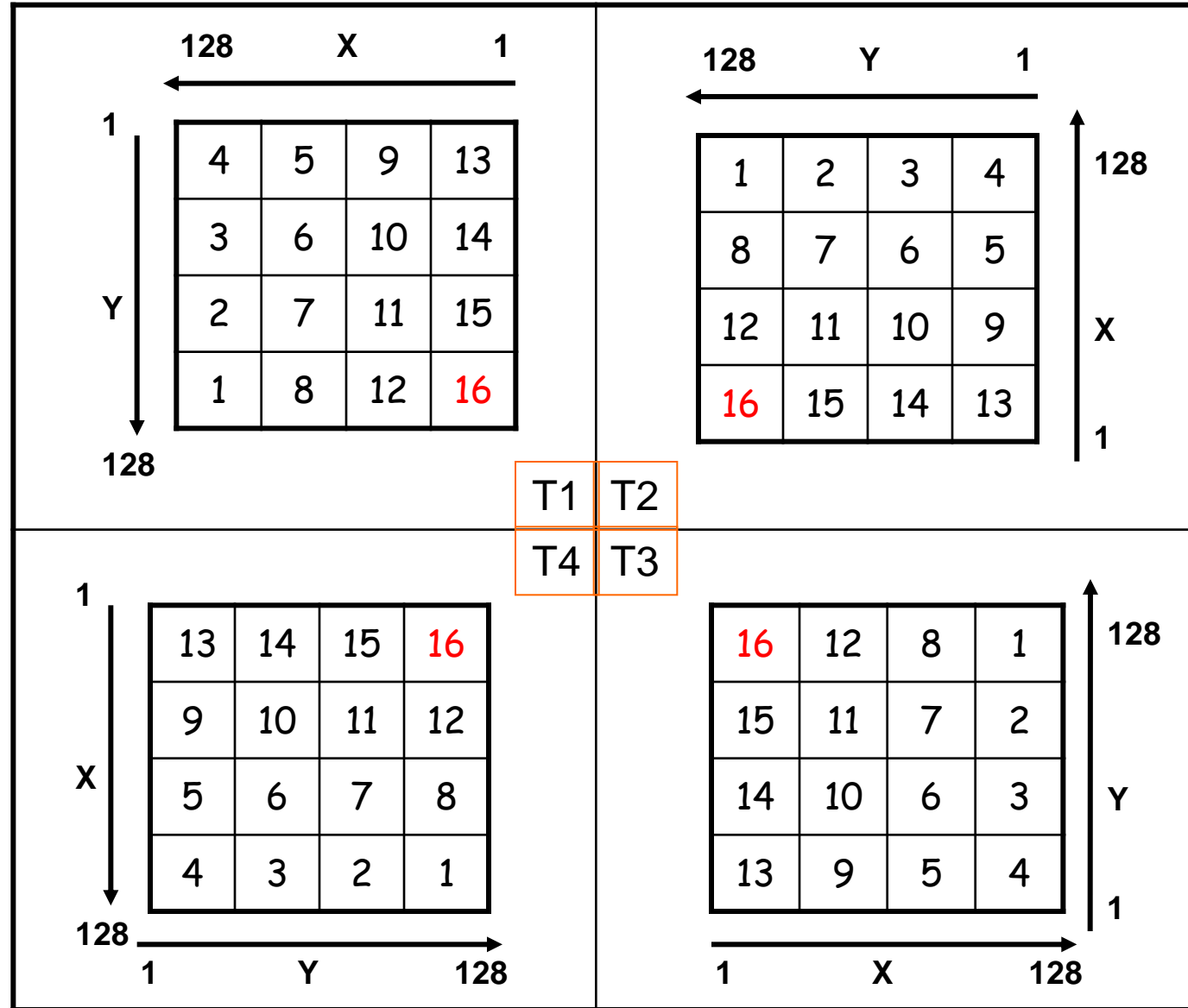
MM8 dssd +SiLi DSSD **pcb 8** MM8 SiLi : ST9-4 ST9-26

Détecteurs Si MM additionnels : dssd pcb3 dans son boîtier + dssd pcb1 (tâche sur la surface)

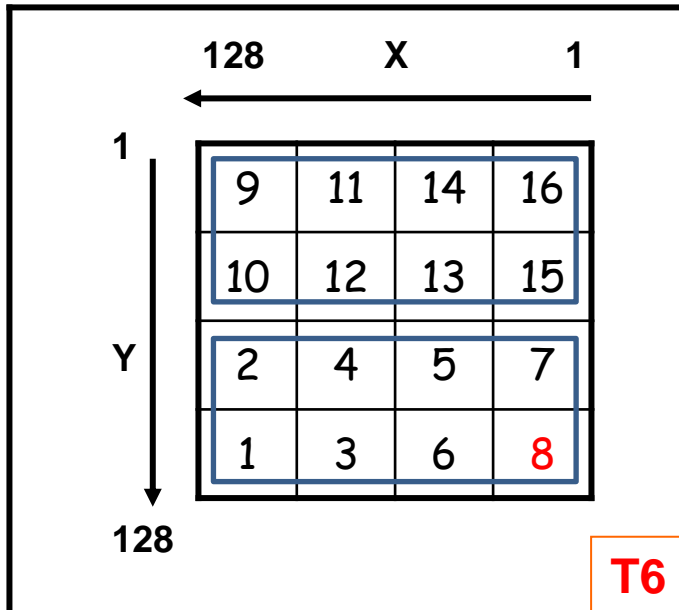
configurations des MUST2: numéros des pads Csl



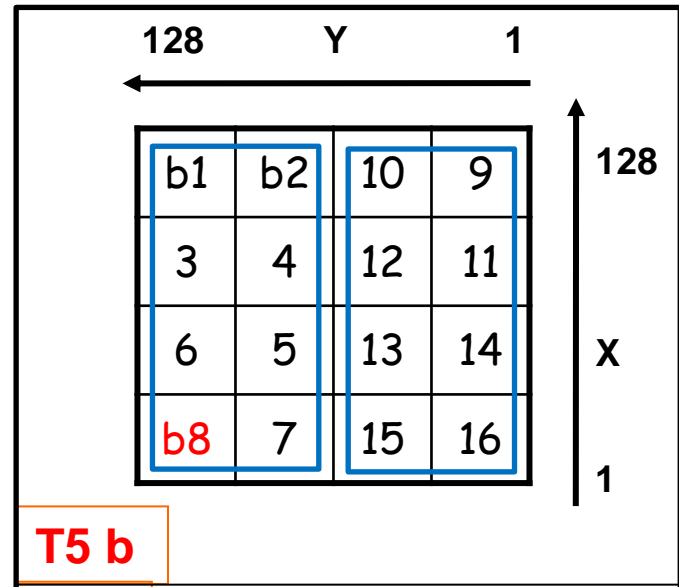
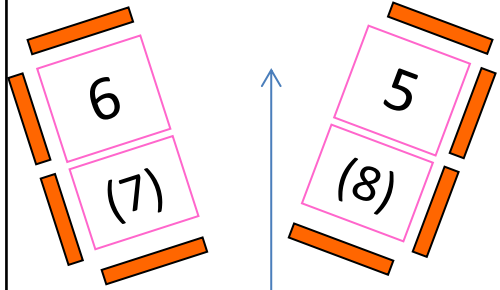
Telescopes
 Si à strips DSSD
 2 étages
 MM1 à MM4:
 DSSD+Csl



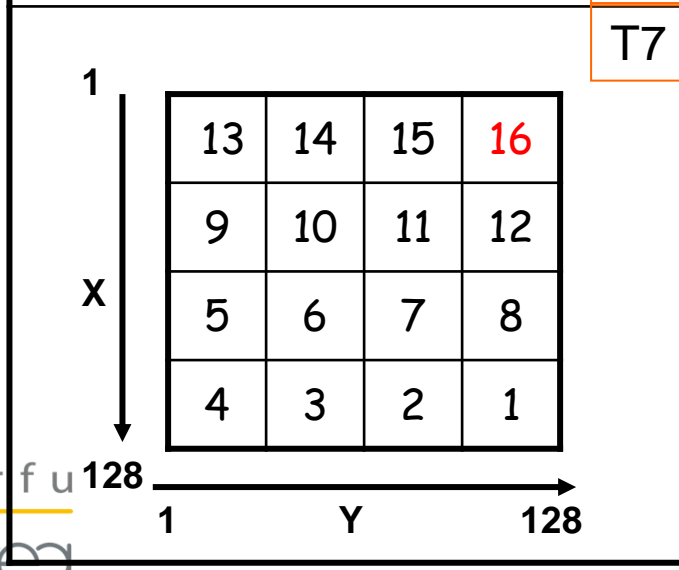
Numéros des pads Csl pour tél 6 et 7 (config longues) et pads SiLi (« b ») pour tél 5 et 8.



T6



T5 b

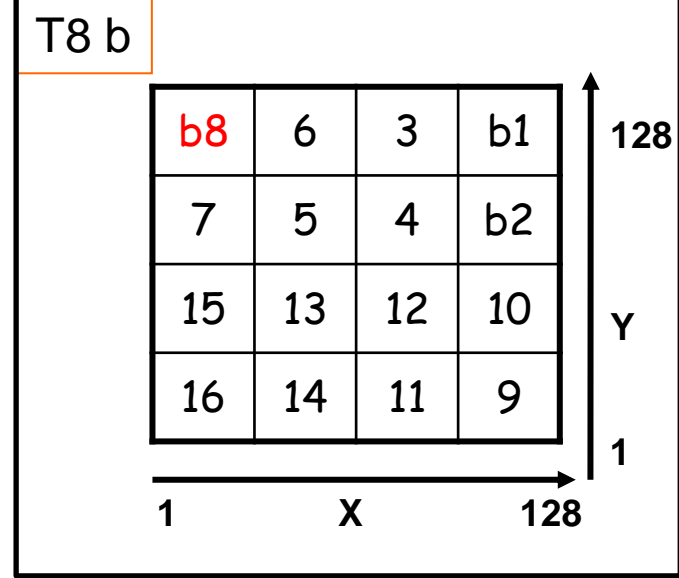


T7

Telescopes 2 étages
Si à strips et SiLi

MM6, (MM7)
DSSD+SiLi Julich+Csl

MM5, (MM8)
DSSD+ SiLi Julich



T8 b