

# Conceptual Design of Optical Table Cover for IMC

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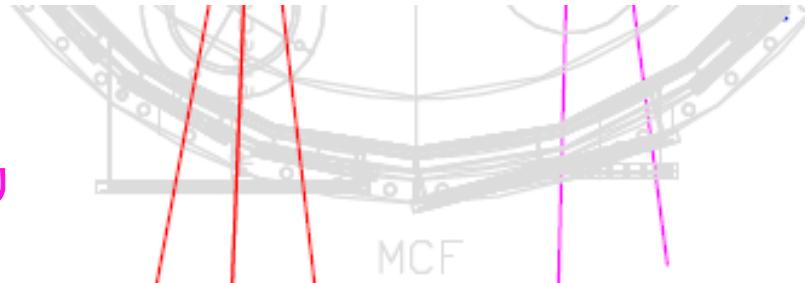
# Overview

- See [JGW-T1910129](#), [JGW-D1910377](#) and [JGW-D1910654](#) for the basic design
- IMC REFL and IMC TRANS covers are similar to those, but the size of the optical table is different for IMC TRANS
  - IMC REFL: 1200 x 2400
  - IMC TRANS: 1000 x 1000
- The design of the tube between the chamber and the optical table can be similar to those for REFL/POP/POS/AS

# IMC REFL: Rough Optical Layout

[JGW-D1503412](#)

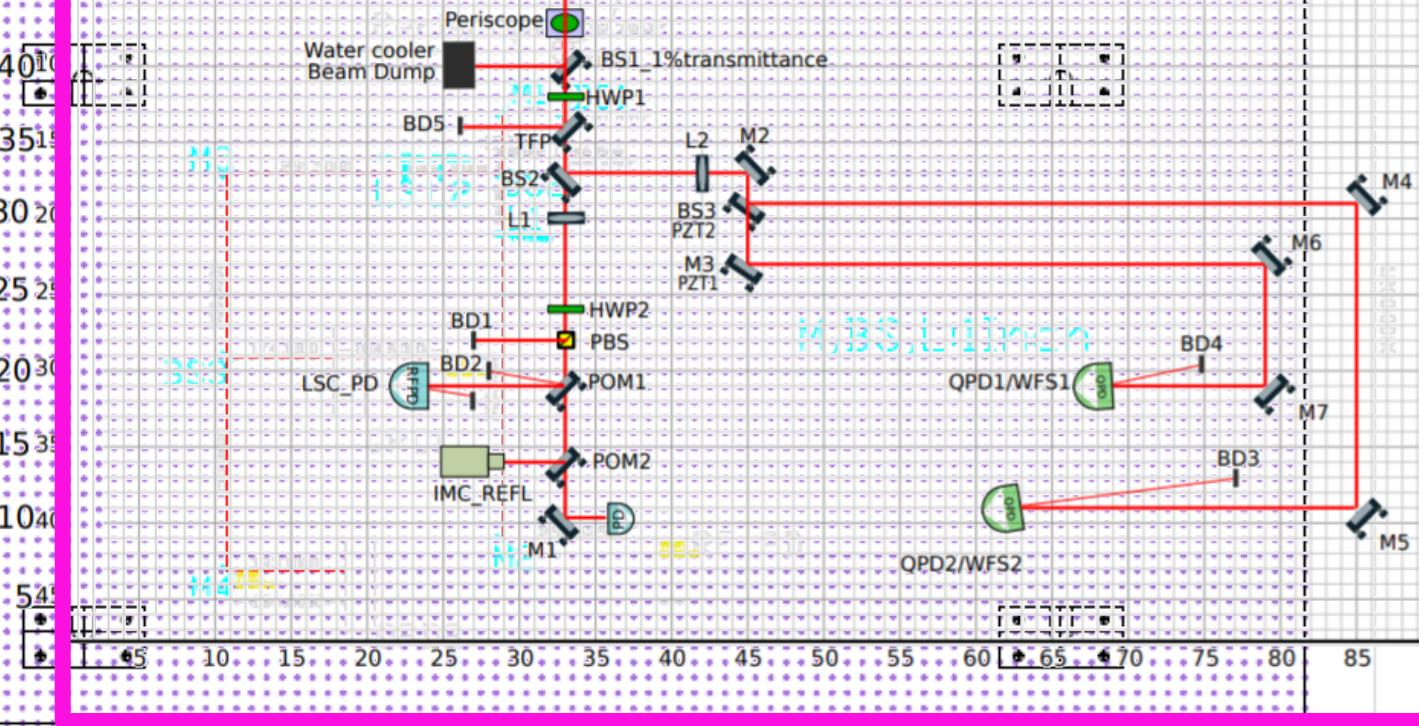
MCF真空槽



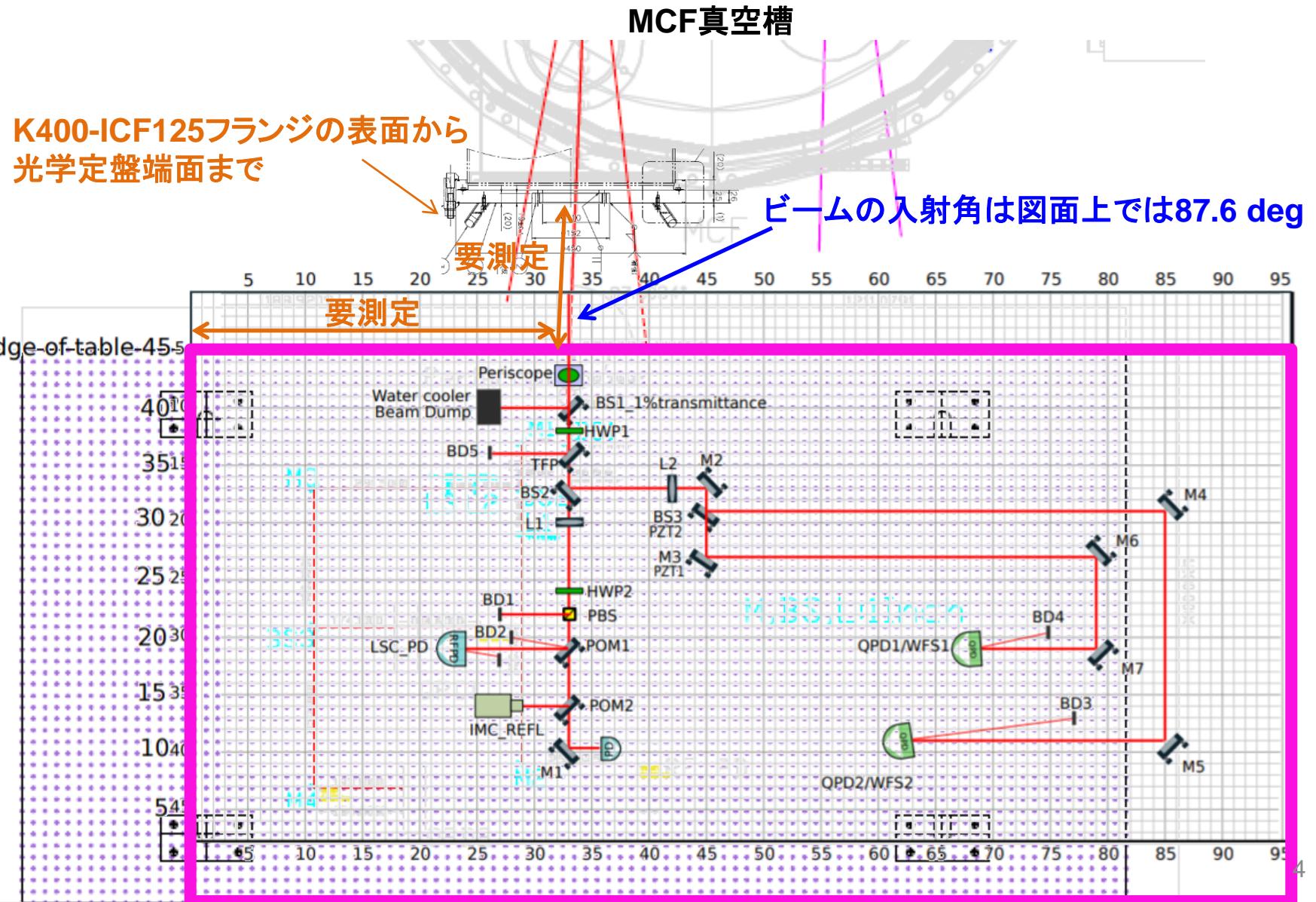
おそらく実際に置かれている  
光学定盤の位置はこのあたり

[JGW-D1909964](#)

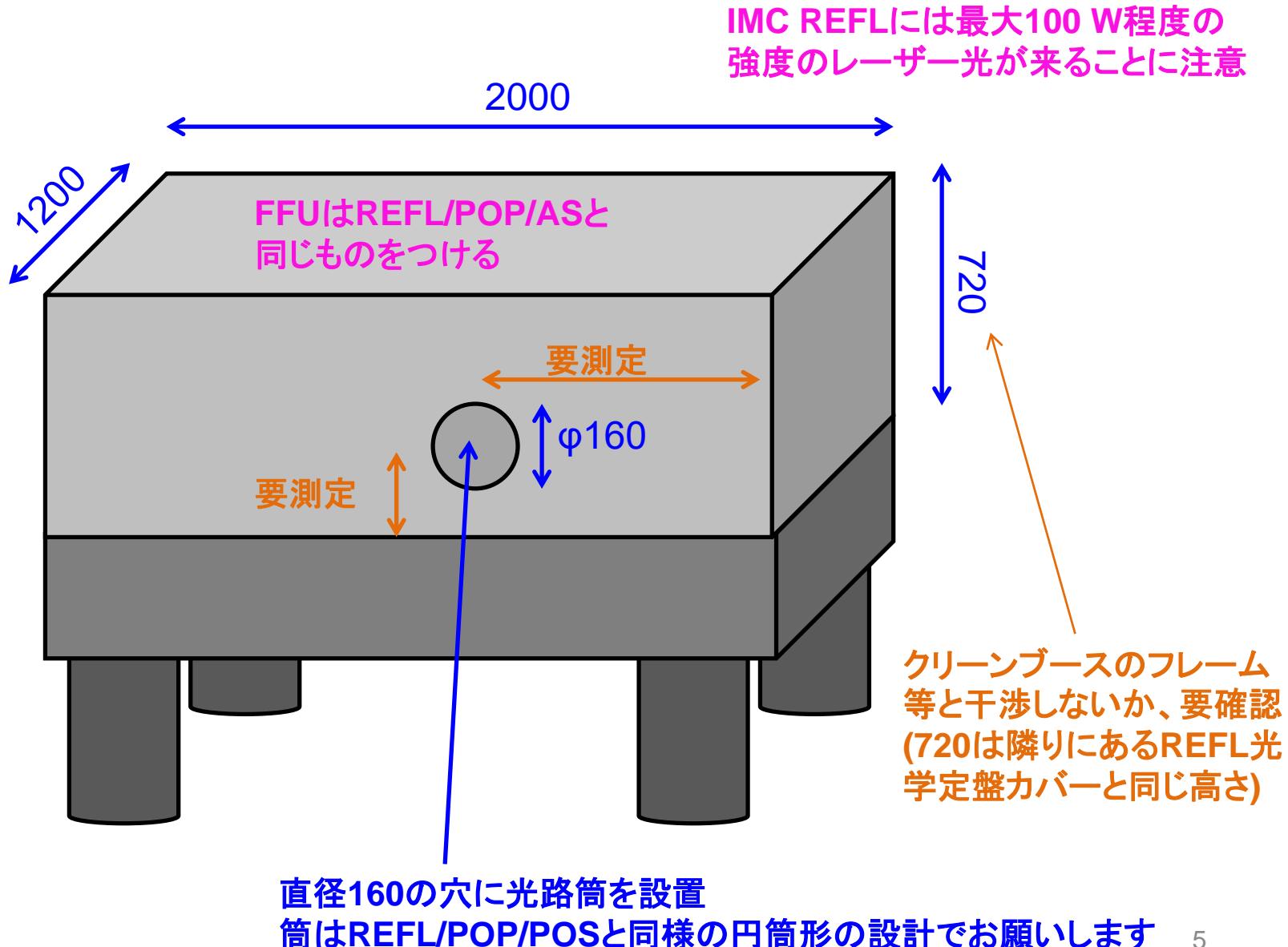
Edge-of-table-455



# IMC REFL: Measurements

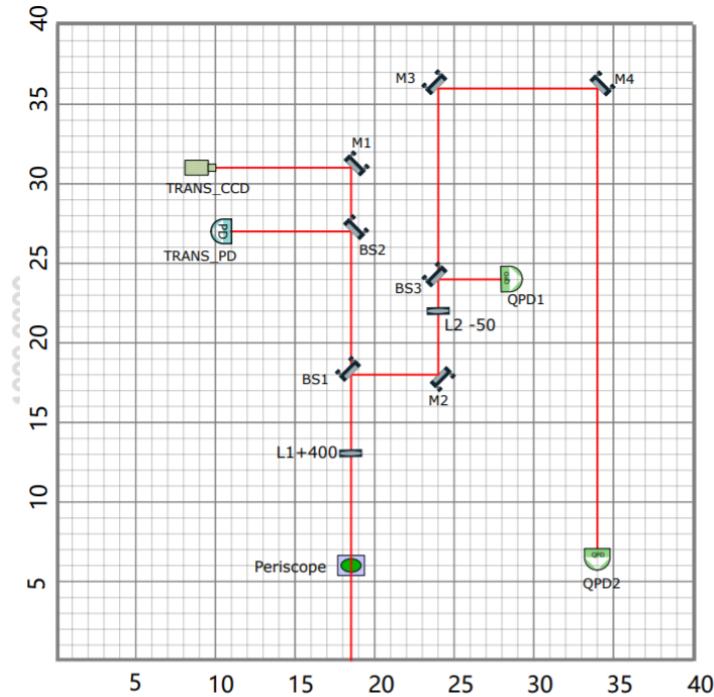


# IMC REFL: Tube Position and Cover Size



# IMC TRANS: Optical Layout

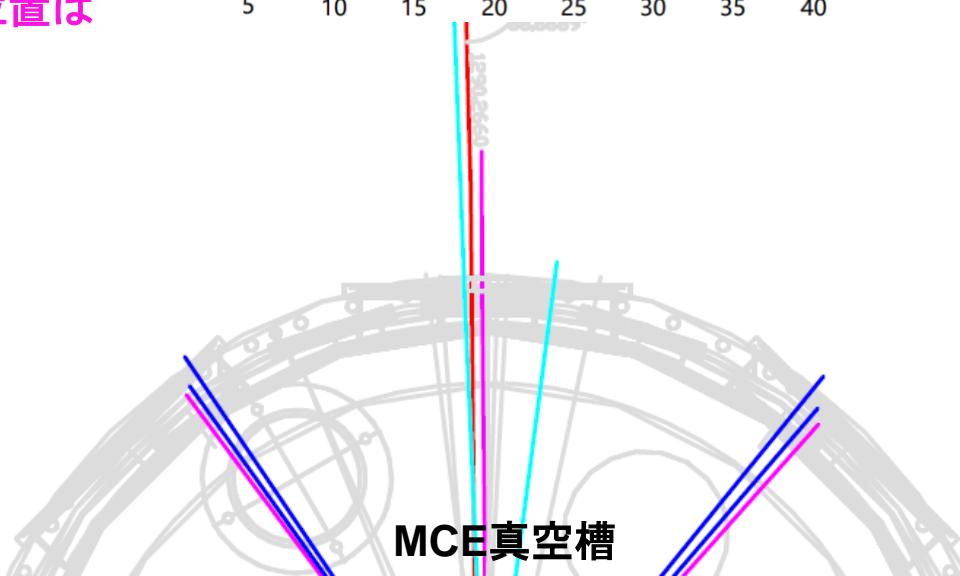
[JGW-D1503412](#)



[JGW-D1910144](#)

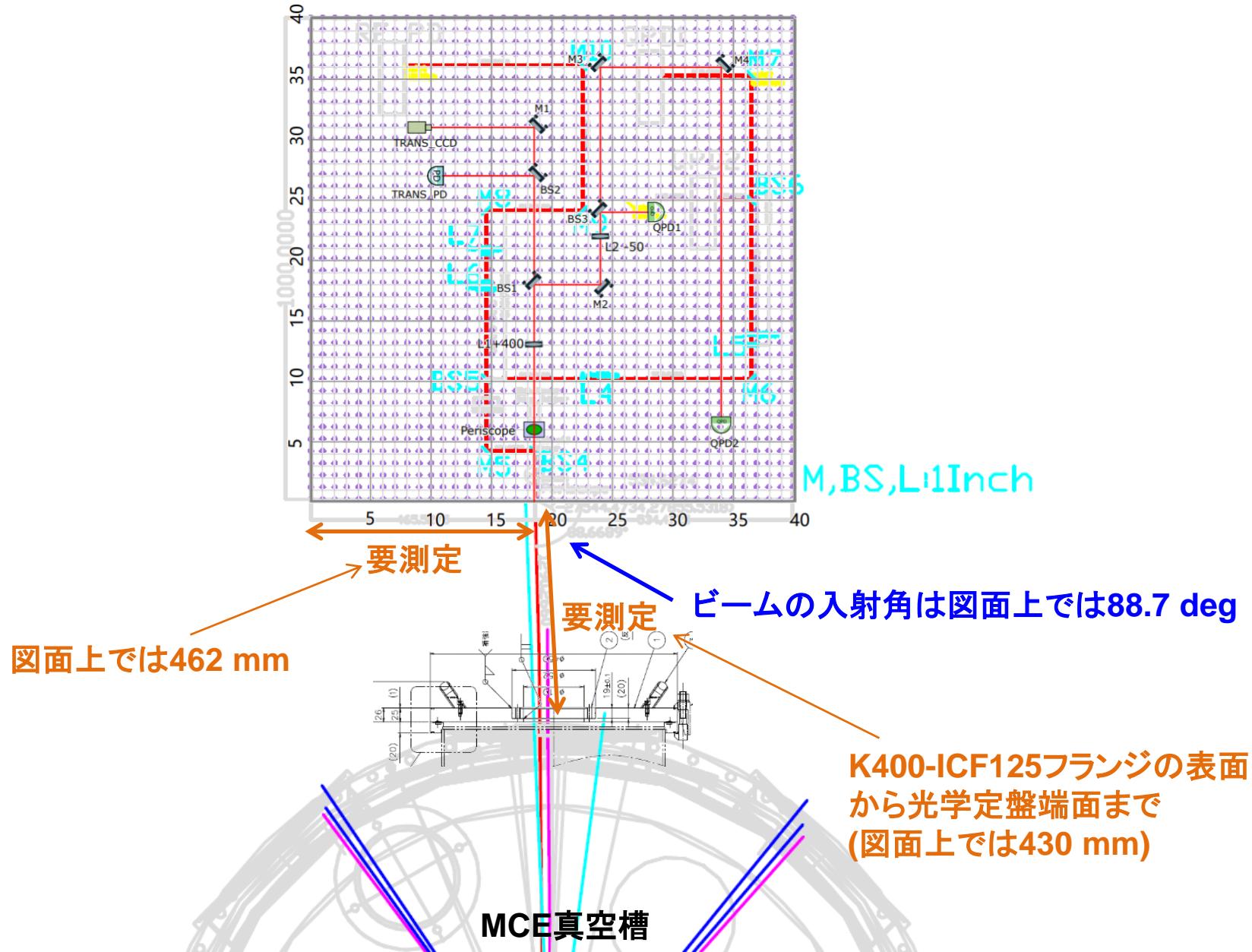
1,BS,L1Inch

こちらは光学定盤の位置は  
ほぼ図面通りのはず

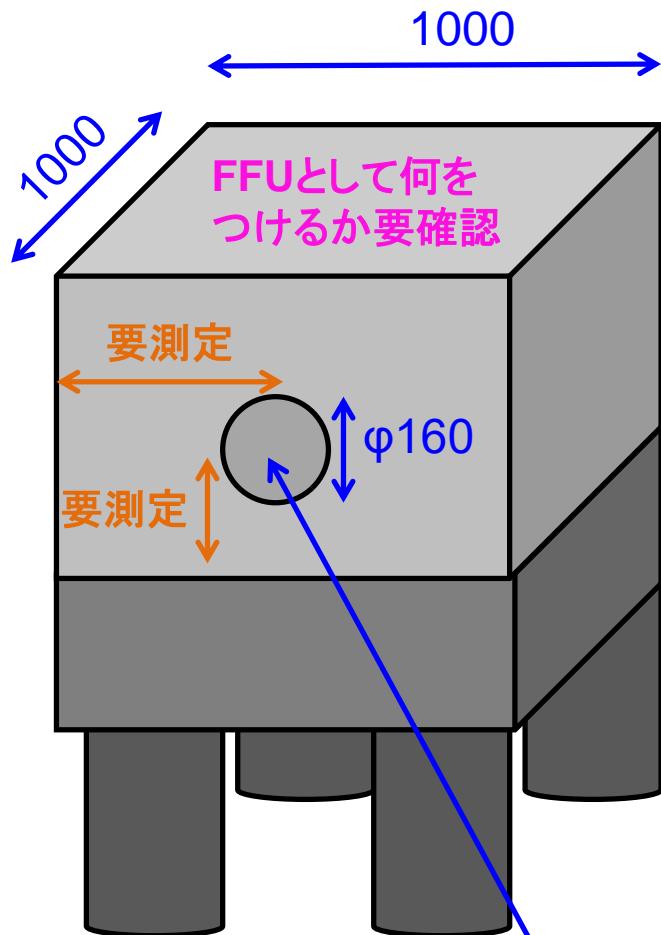


MCE真空槽

# IMC TRANS: Measurements



# IMC TRANS:Tube Position and Cover Size



クリーンブースのフレーム等と干渉しないか、要確認  
(720はREFL光学定盤力バーと同じ高さ)

直径160の穴に光路筒を設置  
筒はREFL/POP/POSと同様の円筒形の設計でお願いします