

Concept of Black Tube for AS Port

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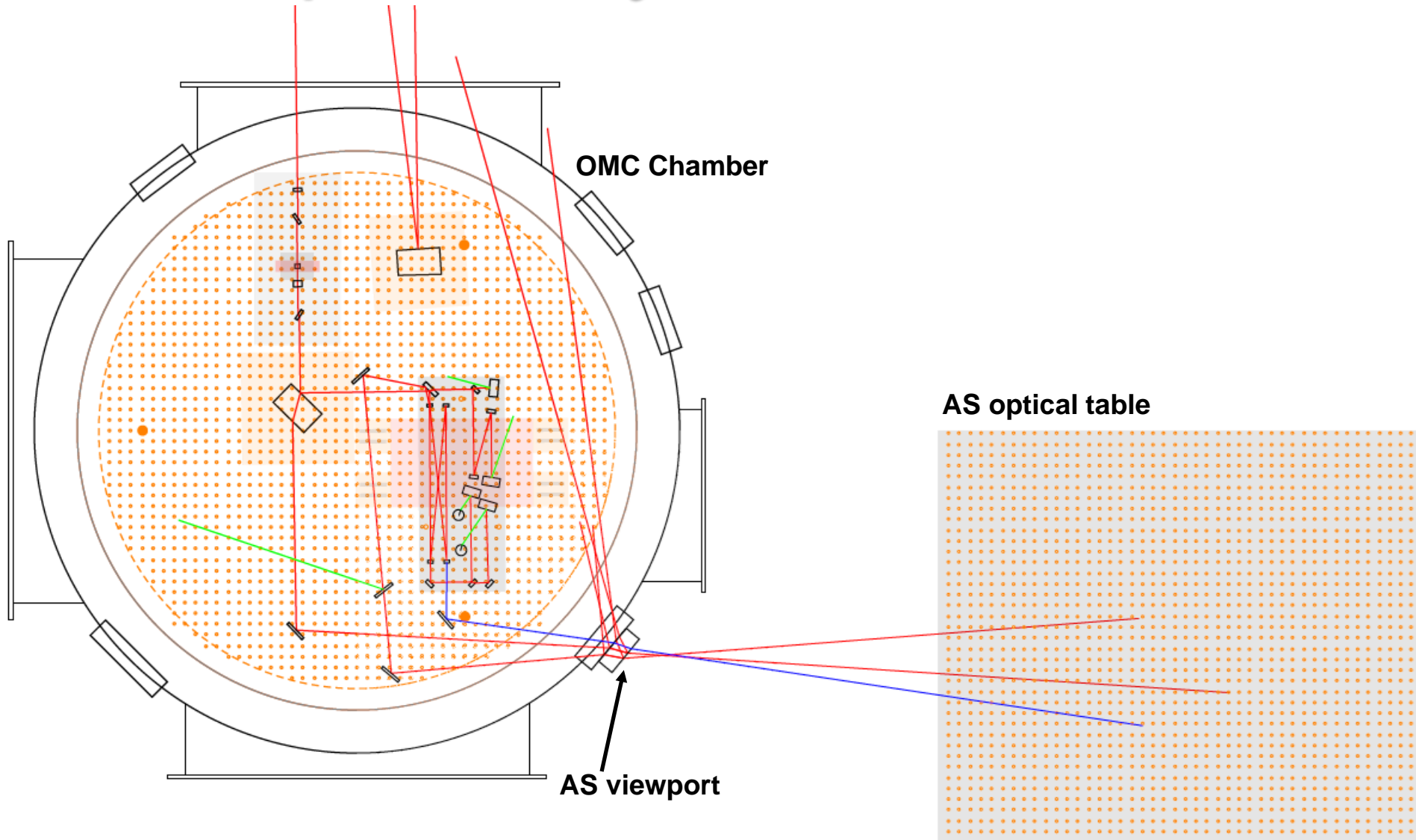
Overview and Material

- We need a back tube for AS viewport so that less ambient light goes into the OMC chamber, and to protect AS viewport.
- Material: Some metal (Al?) coated black with low scattering, not very expensive (数万円? ; may be not Solblack?; spray [トビカブラック?](https://www.thorlabs.co.jp/newgroupage9.cfm?objectgroup_ID=6413)). Something similar to <https://anshitsu.scientex.co.jp/products/darkbox/oc.html>
https://www.thorlabs.co.jp/newgroupage9.cfm?objectgroup_ID=6413

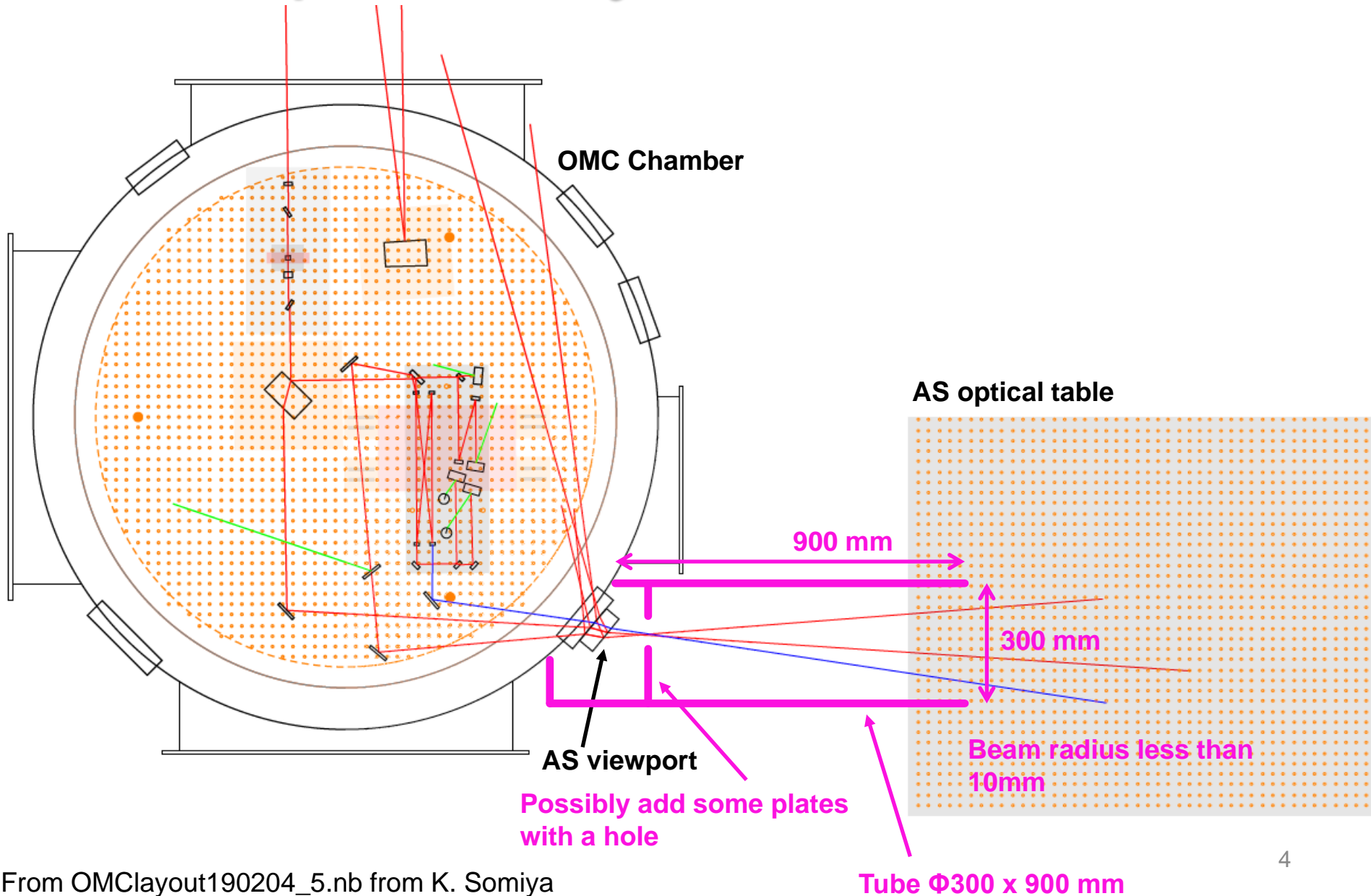


- We will need similar tubes for POP, POS, REFL, TRX/Y, IMC REFL, IMC TRANS, and oplevs

Optical Layout and Tube



Optical Layout and Tube



OMC Chamber AS Viewport



[klog #8032](#)

OMC Chamber and AS Table

OMC Chamber



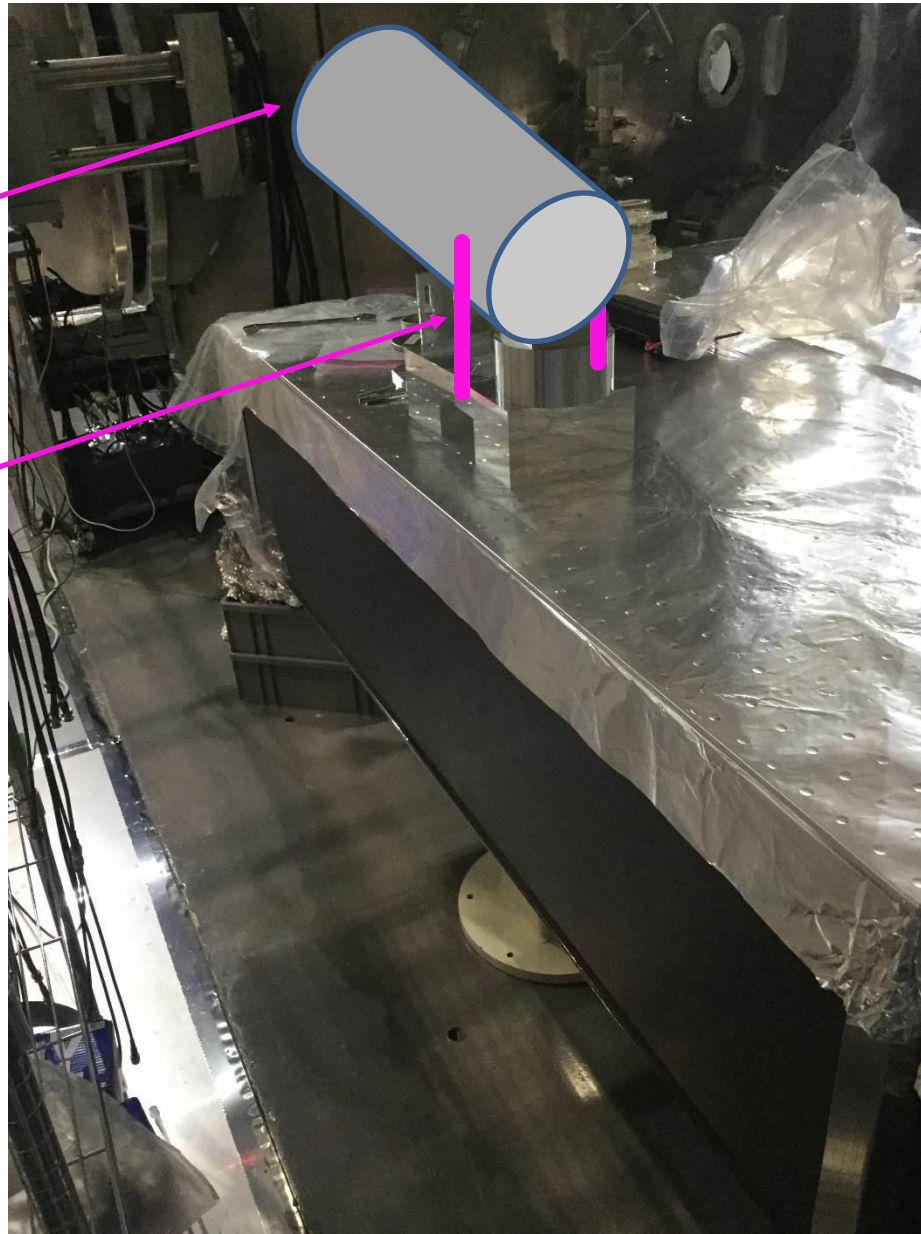
AS optical table

OMC Chamber and AS Table

OMC Chamber

Somehow
attach to OMC
chamber to
shutout the
ambient light

Poles to support
the tube



AS optical table

Budget and Schedule

- Budget: 数万円?
- Schedule: By Summer 2019?