

1.3 GHz Polishing & Sample exchange

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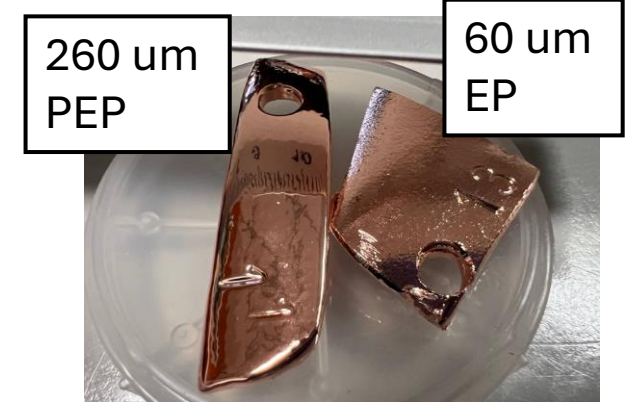
Content

- 1.3 GHz Cu PEP activity
- Samples exchange update



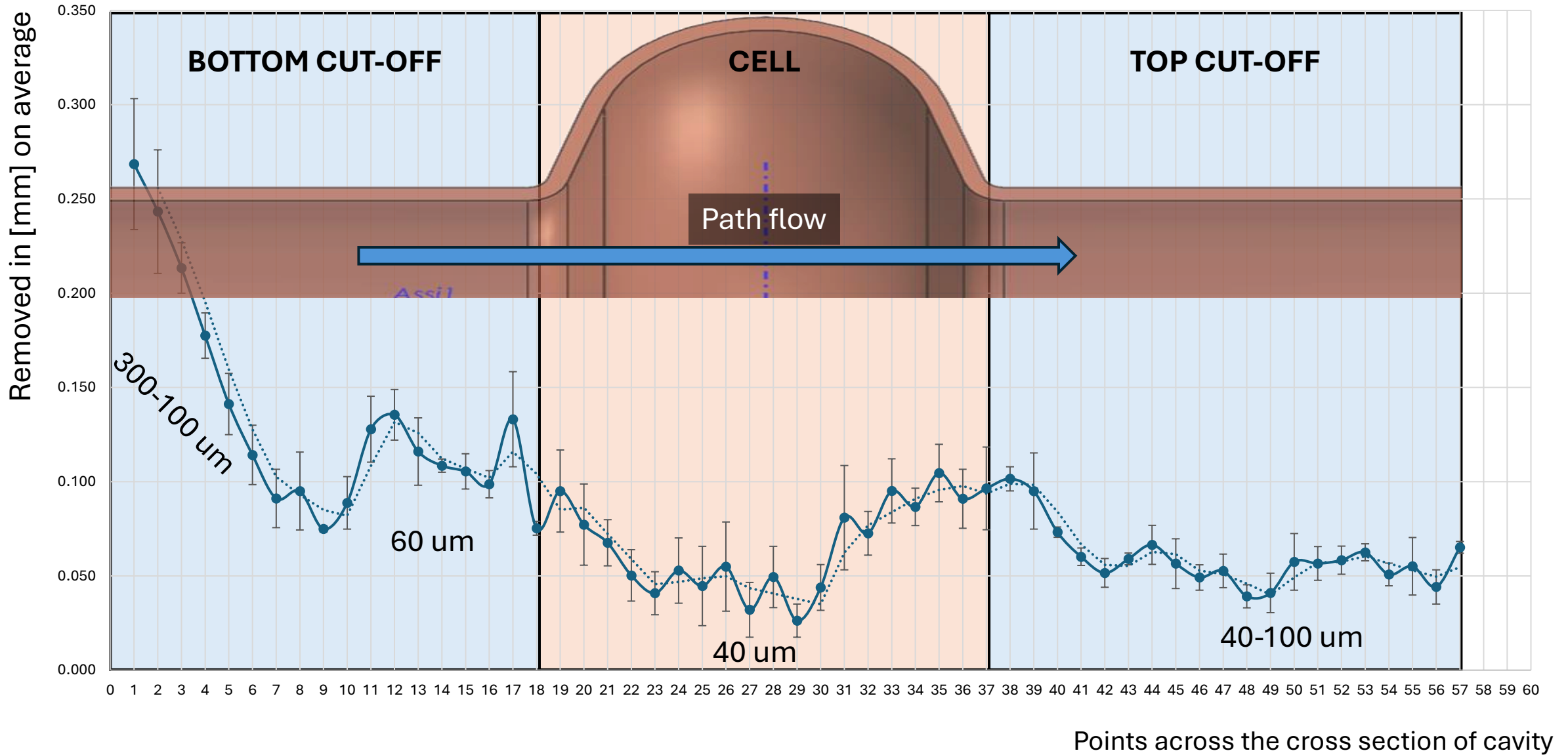
1.3 GHz PEP update

1. Uniformity study ongoing – expected to be finished by the mid Feb. 2025.
2. 1.3 GHz Cu Hydroformed (KEK) cavity reschedule to the end March 2025.
3. Adaptor/protector for the S.S. flanges for a PEP treatment.
4. Initial roughnes Ra is in the range of few micrometers, polishing required at least 200 μm .

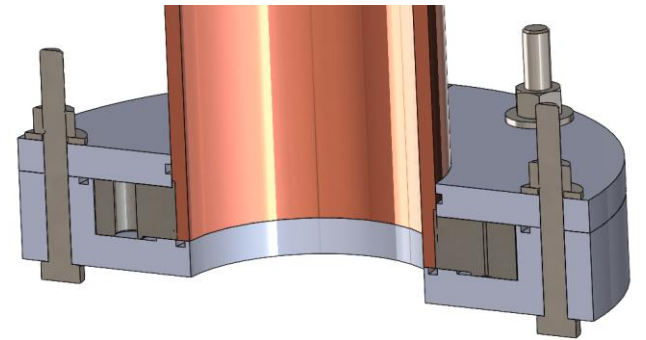
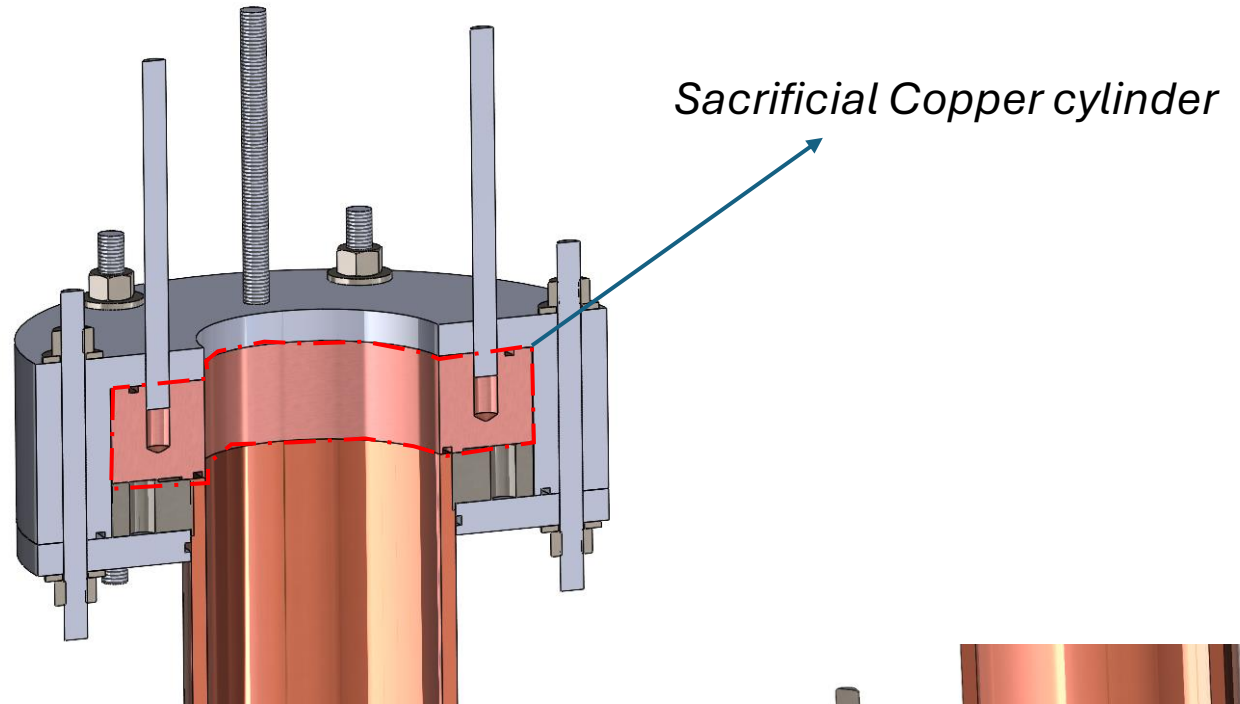
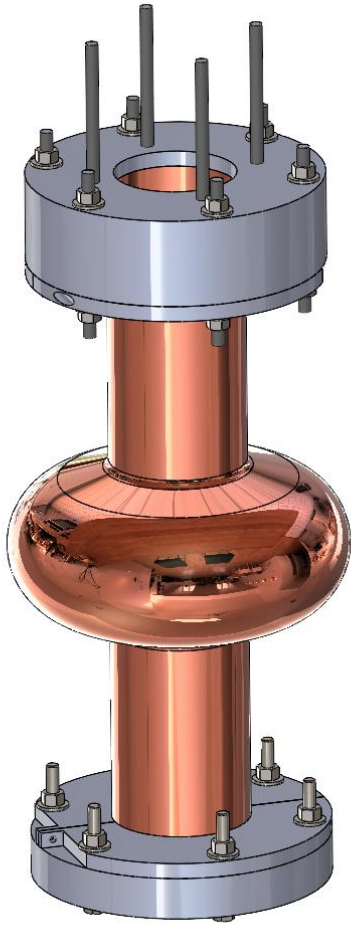


Weight difference suggested 70 um removal

Uniformity test on PEP of 1.3 GHz



1.3 GHz Adaptor for KEK cavity



Samples exchange



Science and
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For Reza Valizadeh

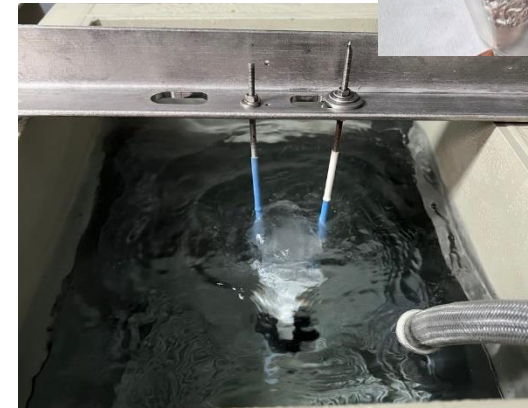
Two Cu 6 GHz cavities to be shipped soon

- Cu075 (7h VT, 4x PEP, 250 um removed)
- Cu066 (4h VT, 1x PEP, to be done at least one more treatment)

One 1.3 GHz Cu cavity (37 cm length, curved flange)

- To be done light SUBU by 14th of Feb

All to be shipped ASAP, to be coordinated with Reza



QPR Cu Sample to be polished

- After Lathe machining
To be done polishing of
the surface

