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## **Succesfull repair of a S-Band Cavity**

*Wednesday 17 September 2025 17:00 (1 hour)*

For this poster presentation, I will present you the entire process for reconstructing and repairing of a defective S-band cavity. The repaired cavity will be used in an Experiment inside the Free Electron Laser (SwissFEL). In the final check we found an error after brazing and we decided to try to fix the cavity before we order new one to save time and costs. The cavity was cleanly separated in two parts and machined. The defective cup segments were replaced by new cups and the S-band Cavity was re-brazed. The repair was a complete success and the cavity can be used in operation.

### **Footnotes**

### **Funding Agency**

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