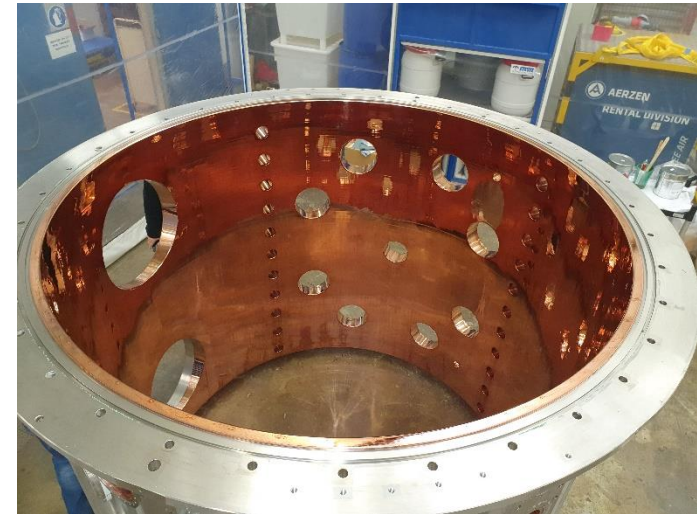


# MM 17.11.2020

- **FoS:**
  - production of rf-coupling loop
  - static tuner ready for shipping to external Cu-plating
  - preparation of hprf-testing: cabling
  - FoS-plating: accomplished last Thursday (-> evaluation)
  - DT-plating: one tube re-welded -> to be re-coppered
- **Alvarez 2.0:**
  - prepare tendering of cavity series production
  - components for early procurement identified (390 k€)
  - prepare entering into CDB & "CID" procedure
  - look for Cu-plating workshops
  - prepare 3<sup>rd</sup> Quarterly
- **pulsed stripper:**
  - prepare valve tests at consultant through tests at GSI with N<sub>2</sub>
  - prepare "EX-Schutz" document
  - cabinet ordered
- **injector controls:** exchanging of TCLs in MCR console
- **accelerator seminar on Thursday:**  
K. Aulenbacher, "The MESA energy-recovery linac at Mainz"



**ACCELERATOR SEMINAR**

**Kurt Aulenbacher**  
Helmholtzinstitut Mainz

Thursday, 19. November 2020 at 4 pm

Online Seminar via Zoom  
(ID: 936 8675 8963 / PW: 210952)

**The MESA Energy-recovery LINAC - new possibilities for  
accelerator-based experiments at low energies**

The Mainz Energy-recovery Superconducting Accelerator is under construction at the Johannes Gutenberg-Universität in Mainz. This recirculating CW-electron-LINAC will operate at average current levels of >1mA, later to be increased to 10mA at 100MeV beam energy.

The extreme beam power of up to 1MW at the target requires beam kinetic energy recuperation (Energy Recovery Linac, - ERL).

This makes realization possible despite strict economic limits and ensures a small ecological footprint. Though the operating principle requires small beam target interaction, innovative experiments in low energy electron scattering are feasible and are also already under construction. Various features and options for the MESA facility will be discussed.

**GSI** Coordinator: Anja Selbel, Janet Schmidt  
Secretary: Larissa Birli  
<https://indico.gsi.de/category/display.py?categId=359>

**FAIR**

