

Vertical Electro-Polishing activities at CEA Saclay: update



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Preparation of dressed C-45 9Cell cavity (DESY Cavity)



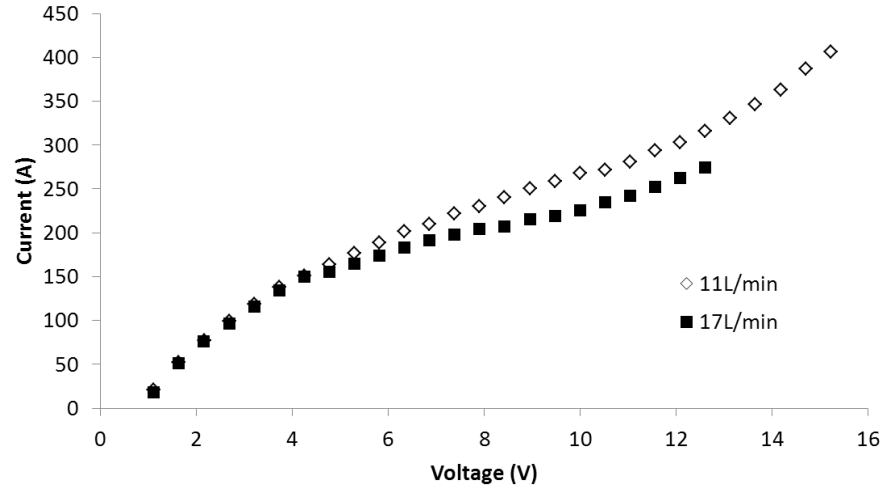
Cathode's insertion

Transfer into the cabinet

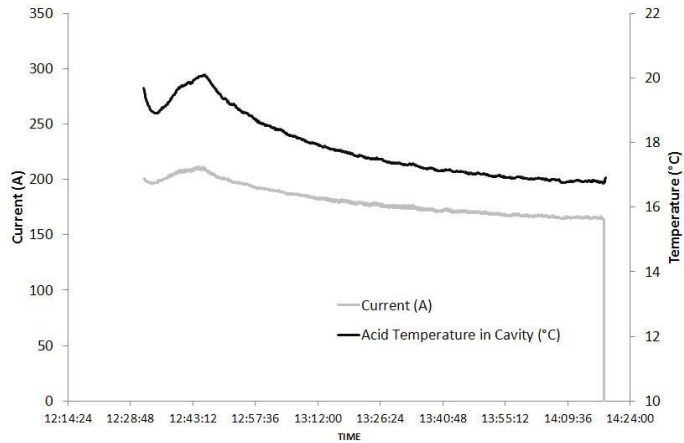


Handling of the cavity

Vertical EP of C-45 Cavity



I(V) curve: Choice for EPV at 6V



The process is stable




Improved cavity surface after 4h EPV

Summary

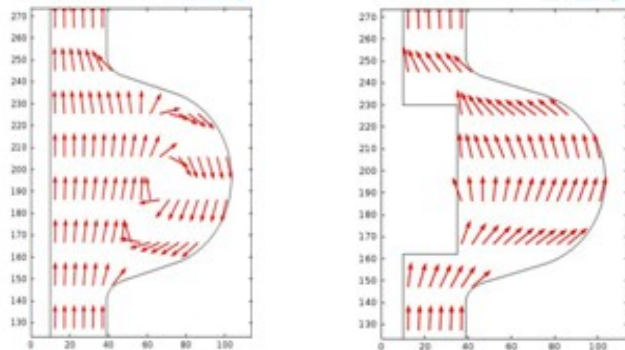
This experiment made it possible to further qualify the VEP set-up:

- Tools for cathode's insertion
- Handling tools
- VEP at higher current, temperature control
- Safe process for the cavity (improvement of the surface)

OUTLOOK

- VEP and VT of TB9RI025 Cavity
Weeks 36-37
-  Fermilab
- 3 single-cell VEP'ed cavities waiting for VT
- Tests with new shaped cathode on 1Cell:

Designed to improve the symmetry of fluid distribution in the cells



COMSOL Modeling by K. Muller

