







Pictures: Cell 3 / 12, mains supply 20 kV

Preleminary Schedule



Restart of UNILAC RF without ER1 (B5,B6,I											
M. Hörr, S. Pütz, G. Schreiber, First estima											
	1622.7.	2329.7.	30.75.8.	6.812.8.	13.819.8.	20.826.8.	27.82.9.	3.99.9.	10.916.9.	17.923.9.	24.930.9
	week 29	week 30	week 31	week 32	week 33	week 34	week 35	week 36	week 37	week 38	week 39
Cleaning of ER1 Netzgerät Power Supply											
AND Air Cooling System											
Smear Tests, toxic analysis ER1 and other											
RF components, Result, clearance for											
work											
Inspection/Opening/Cleaning of RF											
power supplies and RF amplifiers along											
the gallery											
First restart/power-up of RF systems*											
Conditioning of RF systems and unilac											
cavities for following beam operation**											
A4 final work and commisioning											
A4 cavity conditoning and RF system											
optimization (parallel to SIS											
commisioning) in time sharing mode											
(RF<>Operations)***											
*no contamination in air colling or RF											
systems found											
** 3rd of September RF available for operation without A4											
***A4 ready but not exclusivly for											
operation, conditioning optimization											
parallel to SIS operation, sometimes few											
hours during day needed exclusivly for RF											

Status



- Pre-cleaning of surrounded area finished, Fr, 20th July
- Disassembly of Air Cooling System (GA, J. Dreger), Mo/Thu, 23rd/24th July
- First Swab/Smear tests (Wisch-/Abklatschtests by DACORD, Schnelltest),
 Wed, 25th July
- Trockeneisreinigung (dry ice cleaning, CO2) ER1 power supply: 26th / 27th
- Again more dirt in the area -> more cleaning required (expected end of this week, KW31 and KW32)
- Further swab tests at RF gallery by SiSt, Wedn, 1st August
- Preparation of cleaning of air cooling system ER1 by GA
- Disconnection/separation of ER1 air cooling system end of this week for restart of air cooling systems -> during next week by GA (KW32?)

Comments and further planning



- Damage analysis of further RF systems and their power supplies due to electricity power failure (black-out) during restart
- Restart of HSI RF systems as soon as possible (air cooling required, water required, 20 kV), week 33?
- Post mortem analysis of ER1 after disassembly of 1 MVA transformer
- Discussions on 20 kV mains -> Ralph Becker
- Repair/exchange of 20 kV mains power lines by GA (Elektriker) end of week 31
- Analysis of 20 kV main switches by GA week 32 (external company)
- Discussions on air cooling system (emergency shutdown)

July 31, 2018



Thank You!

UNILAC RF Gallery







