


Quality Management		Kind of Document	Template Number:	
		Meeting Minutes		Page1 of2
Meeting:		HITRAP weekly		
Date:		2022-02-17 13:00-14:00	Minutes: M. Horst	
Participants:		Z. Andelkovic, S. Fedotova, J. Fitzek, W. Geithner, M. Horst, D. Kabuß, J. Ködel, I. Kraus, J. Mohr, S. Rausch, A. Reiter, F. Sommer, S. Trotsenko, G. Vorobyev		
(Chair underlined)				
Document Number:		T-EP-DEC-20220217		
A: Action, D: Decision, I: Information			Who	Due Date
1. Upcoming Events				
I	21.-23.02.2022: HF conditioning mid April: Dryrun-testing of transfer beamline 11.-23.04.2022: Easter holidays in Hessen 16.-23.05.2022: HITRAP commissioning without beam 24.-31.05.2022: HITRAP commissioning with beam from ESR			
2. Decelerator topics				
I	HF: Testing of HF systems next week from 21.2. – 23.2. In this period the tunnel will be closed. If necessary, the period will be extended.		JM	21.2 – 23.2
A	Is an ESR pattern (dummy, ESR_light_HTR_20211124) ready for this testing period? Zoran will ask Sergey. – after meeting note: yes, we can use the pattern		ZA	
I	Beam Diagnostics + Controls: Preparation of new cameras in progress.		AR	
D	Call cameras DF or EF after RFQ? -> should be called EF		AR, WG	
D	Nomenclature for magnet diagnostic, slits and irises should be adjusted to be consistent with FAIR nomenclature		JF, GV, WG	
I	Slits before and after RFQ are working but the controller for the irises has to be repaired. A repair-order has been given to the company. Opening of RFQ section needed to see if irises are working? Deadline by mid-April.		GV	Mid April
A	It is unclear if Cups in TR5 section should be included in FAIR CS. The readout can be prepared, but not the control. This is not a good combination because of numerous exceptions in the FESA class, which should be the same for all. ZA will schedule an extra meeting with all people involved to clarify this issue and make a decision.		ZA	
A	New diagnostic is currently under construction. Deflection plate deflects only low energy beam on MCP. Plate and MCP mounting has to be manufactured in the workshop. All other pieces are already there. New diagnostic will be tested @ Crying in April.		ST	April

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3. Trap

I	Tests with simultaneous stored electrons and ions. For the first time effect of ions on electrons observed. Electron signal gets higher with ions and lower without. So far no detectable effect on ions observed.	SR, MH	
I	Tests with switching a Behlke switch in a Behlke switch input without capacitor should be performed to see if a fast switching time is reached. This is needed for the full scope of ion/electron operation. The existing equipment can still be sufficient for the necessary switching during the coming beamtime.	SR, MH	

4. Trap CS + Misc.

I	2x PicoScopes 3406D (200MHz, 1GSa, 4 Channels) will be ordered soon and FS is working on software	ZA, FS	
I	The motor control will be implemented first in the LabView GUI. Switching to a full python version should not be complicated afterwards.	JK	
I	New Beckhoff Analog IN clamp is installed and ready to use initially for reading out the dipole setting.	SF	
I	The settings of the last beamtime are summarized in an excel sheet and can be found in the HITRAP wiki (Link: https://sps2019.gsi.de/websites/cryring/Hitrap-Main/Shared%20Documents/Settings/HITRAP_Decelerator_seetings_N7%2B.xlsx). These settings have already been included in the HITRAP pattern.	SF, IK	