Feb 19, 2020

Mittwoch, 19. Februar 2020
13:20

– Protocol		**Nr.: Feb 19, 2020 , 15:00 - 16:30 Uhr**
Machine Meeting (MM)		**Chair:** M. Bai
Distribution	Machine coordinators and their deputies, departments leaders accelerator, participants, Management board	
Participants		
Andreas Engling Franz Fäustle S. Appel Yury Litvinov	Attendees ☑ Stephan Reimann — ☐ Markus Vossberg ☑ Ralph Hollinger — ☑ Klaus Tinschert; ☐ Fabio Maimone ☑ Lars Groening — ☐ Sascha Mickat; ☐ M. Kaiser ☐ Gerald Schreiber — ☐ Bernhard Schlitt; ☐ A. Schnase ☐ Markus Steck — ☐ Danyal Winters; ☑ Sergey Litvinov ☐ Frank Herfurth — ☐ Zoran Andelkovic ☐ Christina Dimopoulou — ☐ Jon Roßbach; ☐ Regina Heß ☐ Winfried Barth — ☐ S. Yaramychev; ☐ Hartmut Vormann ☐ Gertrud Walter — ☐ Kalliopi Dermati; ☐ Markus Romig; ☐ Stephan Teich ☑ Udo Weinrich ☑ D. Severin ☐ M. Sapinski — ☑ C. Hessler ☐ Peter Spiller — ☑ Jens Stadlmann ☑ Markus Schwickert *Types: A = Action, D = Decision, I = Information	

Important: **I = Information** **D = Decision** **AI = Action Item**				
1	**Agenda**			
	1. Approval of meeting minutes 2. Follow-up of action items 1. Special presentation on the UNILAC Emergency-stop: Andreas Engling/R. Becker: 15mins 2. FAIR Operation Mode: S. Appel 3. Status update			
2	**Update**			
	UNILAC Emergency-stop: https://indico.gsi.de/event/10135/contribution/14/material/slides/0.pptx **FAIR Operation Mode:** http://indico.gsi.de/event/10135/contribution/14/material/slides/1.pptx Scope of the work: Dr. Appel reported that the FAIR Operation Mode, which was initially put together by Petra Schuette, P. Forck and O. Geither, has so far not yet officially released by the EDMs due to lack of responses from the representatives from various areas. She was asked by Mr. Blaurock to collect all the feedbacks, update accordingly and then submit to the EDMs for official release by the end of Feb. 2020. Status quo: Dr. Appel reported that she has most of the feedbacks, and still need to have further clarification regarding the CBM requirements and NUSTAR requirements, i.e. slide #8 and #9 respectively. Comments from the conveners: • since both tables list the ion intensity in the SIS100, in order for ion source experts to confirm that the ion source can fulfill the listed intensity, one needs to know the transmission efficiency through the chain. • consistency: the CBM table lists the isotope without specific charge state, while the NUSTAR table lists the charge state without which isotope should be used. Suggestion from all is to be consistent • In principle, the colleagues at the meeting are okay with the proposed text (in red) for the CBM requirements and NUSTAR requirements, i.e. slide #8 and #9 respectively. Follow-up:			

	• Suggest Dr. Appel to further clarify with the SIS18 MK (Jens Stadlmann and Peter Spiller) and UNILAC MK (Hartmut Vormann) regarding the transmission efficiency at various stage of the chain, i.e. SIS18 to SIS100, UNILAC to SIS18, Ion source to the end of TK Mei reminded all that **updated report on SIS18 kicker room** is at https://www.gsi.de/fileadmin/Beschleunigerbetrieb/Dokumente/PostMortemAnalysisReport_SIS18kickerRoom_Updated_Feb18_2020_1.pdf **Shutdown activity request process:** Thanks for the help from PMO, the shutdown activity request list is now directly extracted from individual machine shutdown request in its MSP plan. This list is now on MSP server. A offline version can be found at http://indico.gsi.de/event/10135/contribution/13/material/slides/2.pdf. Petra showed the list now and asked the MKs to have a close look to make sure the requests in this list match the original shutdown priority list http://indico.gsi.de/event/10135/contribution/13/material/slides/1.pdf. At the moment, the requests for activities not machine specific. ie. Gemeinsame Einrichtungen, is added manually by Petra **Open Action items** Mei reminded all conveners that there are action items have been staying open for over 3 month **Beam time status**: https://indico.gsi.de/event/10135/contribution/13 • destructive field instability found at GTK2MU3 –> (field regulation switched off, operation stabilized) ○ further analysis is ongoing with Ute Clausen. Thomas Knap • 2 days behind schedule, but since machines are running stable now, will try to catch up • new leak appeared in e-cooler during last bake out period –> repair necessary (time critical) **Ion Source status:** https://indico.gsi.de/event/10135/contribution/2 Terminal South: 50Ti operation w/o major problems, **new world record** for intensity (60muA of 50Ti2+) on target! **UNILAC status:** https://indico.gsi.de/event/10135/contribution/4 Progress in A4 energy control including timing upgrade: ongoing. Many thanks for the comprehensive report after the last MM Spare parts ongoing Reminder to all: open action item 4! **SIS18 status:** https://indico.gsi.de/event/10135/contribution/7 No major issues **HEST status:** https://indico.gsi.de/event/10135/contribution/12 Major issue: New HHD beamline Deckvermerke not yet approved by the GF. Mei will follow up **FRS status: report via email** FRS team is working best to get FRS ready for beam on Thursday afternoon. Necessary mechanical work / should be finalized within a few hours from now. This is followed by final tests of the detectors, daq. Also detailed procedure for the experiment is still being developed. Experimentabnahme is scheduled on Thursday 11:00. **ESR status:** SIS18-ESR pattern and SIS18-user pattern require careful tuning to allow compatible parallel operation, which is difficult due to long lead latency time for tuning (order of magnitude in comparison w. the past) Progressing in commissioning SC. Low availability of beam time due to its interference with other users. Not yet have chance to establish required mode for upcoming user operation https://www.gsi.de/fileadmin/beamtime/2020/BTS2020_v023_all.pdf **CRYRING status:** **PSU status:** https://indico.gsi.de/event/10135/contribution/11/material/slides/0.pdf Alvarez 2.0: executive summary finalized and distributed **cw-LINAC status:** https://indico.gsi.de/event/10135/contribution/9 Advanced demo setup work in progress Main issue is the CH2 test @ IAP Frankfurt: ongoing safety issues at IAP-bunker! **APO:** https://indico.gsi.de/event/10135/contribution/8/material/slides/0.pdf **Beam parameter campaign:** There will be discussion on this talk led by Lars at the March 3 Machine meeting. Lars will send the reminder to all involved. The goal is to further discuss the details of the planning for the upcoming campaign including who and what shall be available so that we can prepare in advance			
3	**Discussion**		**All**	
4	**Open Action items**			
	1. FAIR Booster mode status: R. Baer, D. Ondreka (TBD) 2. Provide a list of planned controls release and changes in 2020-2021 along with their potential	Ralph Bär D. Ondreka Ralph Bär		

	impact and effect on the GSI existing facilities and systems such as beam instrumentation, power convertor etc			
	3. Postmortem report on the topic of current controls related issues, in particular the issue that blocked beam injection into SIS18 at the beginning of the Engineering Run template can be found at https://www.gsi.de/fileadmin/Beschleunigerbetrieb/PostMortemAnalysisReport_Template.docx mid-Feb	Jens		
	4. work with the relevant technical groups, experts to develop the list of the critical systems/components with information of the existing status as well as the spare parts or other mitigation measures	All		
	5. Action: clarify the quality control for critical steps: UW/LG In progress	Lars Groening		
	Any other business			
	• Next Machine Meeting: **March 3rd, 2020 - 14:00-15:30 Uhr**			