

Engineering-Run 2019

| | | UL (north) | UR (south) | UNILAC | SIS18 | HST | ESR | FRS | CRYRING | HFS (S4) | HTP | Cave-C | Cave-A | HHT | Cave-M | |
|----------|------------|---------------------------------|--------------------------------|--------------------------------|---|---|--|--|--|----------------------|----------------------|----------------------|--------|-----|----------------------|----------------------|
| November | 29. Nov Fr | 6am-2pm 2pm-10pm 10pm-6am | ⁴⁰ Ar ¹⁺ | ⁴⁰ Ar ²⁺ | UL-TK-SIS UL-TK-SIS UL-TK-SIS | SIS-ESR, SIS-FRS, SIS-HTM, SIS-HTP SIS-ESR, SIS-FRS, SIS-HTM, SIS-HTP SIS-ESR, SIS-FRS, SIS-HTM, SIS-HTP | HST-BI-010.01 HST-BI-010.01 HST-BI-010.01 | Storage, Deceleration Storage, Deceleration Bi fragments HFS, Ion Catcher | bake-out bake-out bake-out | BEAM BEAM BEAM | BEAM BEAM BEAM | | | | BEAM BEAM BEAM | |
| | 30. Nov Sa | 6am-2pm 2pm-10pm 10pm-6am | | | UNILAC-OP-021.01 UL-TK-SIS UL-TK-SIS | Saturday Morning Physics (11:00-01:00) HST-AP-031.01 | Saturday Morning Physics (11:00-01:00) | | Saturday Morning Physics (11:00-01:00) | | | | | | | |
| December | 01. Dez So | 6am-2pm 2pm-10pm 10pm-6am | ⁴⁰ Ar ¹⁺ | ⁴⁰ Ar ¹⁺ | UR-TK-SIS, UL-TK-SIS UL-TK-SIS UL-TK-SIS | Setup Ar1+ from Penning to HHD (Prio) SIS-AP-030.01 SIS-AP-030.01 | SIS-HHD, HST-AP-033.01 (parasitic) SIS-HHD SIS-HHD | | bake-out bake-out bake-out | BEAM BEAM BEAM | BEAM BEAM BEAM | | | | | |
| | 02. Dez Mo | 6am-2pm 2pm-10pm 10pm-6am | ⁴⁰ Ar ¹⁺ | Source Change | UL-TK-SIS UL-TK-SIS UL-TK-SIS | SIS-ESR, SIS-FRS SIS-ESR, SIS-FRS SIS-ESR, SIS-FRS | FRS-HTC, HHT(DryRun 4.5GeV protons) FRS-HTC, HHT(DryRun 4.5GeV protons) FRS-HTC | Storage, Deceleration, Extraction Storage, Deceleration, Extraction beam to FRS-S8-HTC, primary beam | bake-out bake-out bake-out | | | BEAM BEAM BEAM | | | | |
| | 03. Dez Di | 6am-2pm 2pm-10pm 10pm-6am | | | UL-TK-SIS UL-TK-SIS UL-TK-SIS | SIS-ESR, SIS-FRS SIS-ESR, SIS-FRS SIS-ESR, SIS-FRS | FRS-HTC FRS-HTC FRS-HTC | ESR-EP-027.01 ESR-EP-027.01 ESR-EP-027.01 | bake-out bake-out bake-out | | | BEAM BEAM BEAM | | | | |
| | 04. Dez Mi | 6am-2pm 2pm-10pm 10pm-6am | ²³⁸ U ⁵⁺ | | UL-TK-SIS UL-TK-SIS UL-TK-SIS | Uranium-Setup Uranium-Setup Uranium-Setup | HHD (and FRS + HTP when ready) HHD (and FRS + HTP when ready) HHD (and FRS + HTP when ready) | ready for beam from FRS ready for beam from FRS ready for beam | bake-out bake-out bake-out | BEAM BEAM BEAM | BEAM BEAM BEAM | | | | | |
| | 05. Dez Do | 6am-2pm 2pm-10pm 10pm-6am | | | UL-TK-SIS, UNILAC-BI-032.01 UL-TK-SIS, UNILAC-BI-032.01 UL-TK-SIS, UNILAC-BI-032.01 | SIS-ESR, SIS-FRS, SIS-AP-051.01 to HTP SIS-ESR, SIS-FRS, SIS-AP-055.01 to HTP SIS-FRS | | Setup FRS-ESR Setup FRS-ESR | bake-out bake-out bake-out | | BEAM BEAM BEAM | | | | | |
| | 06. Dez Fr | 6am-2pm 2pm-10pm 10pm-6am | | | UL-TK-SIS, UNILAC-BI-032.01 UL-TK-SIS, UNILAC-BI-032.01 UL-TK-SIS, UNILAC-BI-032.01 | SIS-ESR, SIS-FRS, SIS-AP-051.01 to HTP SIS-ESR, SIS-FRS, SIS-AP-055.01 to HTP SIS-FRS | | FRS-ESR FRS-ESR | bake-out bake-out bake-out | | BEAM BEAM BEAM | | | | | |
| | 07. Dez Sa | 6am-2pm 2pm-10pm 10pm-6am | | ⁴⁰ Ar ¹⁺ | UL-TK-SIS UL-TK-SIS UL-TK-SIS | SIS18-BI-012.01 SIS18-BI-011.01 SIS18-BI-009.01 | HHD or HTP HHD or HTP HHD or HTP | | bake-out bake-out bake-out | | BEAM BEAM BEAM | | | | | |
| | 08. Dez So | 6am-2pm 2pm-10pm 10pm-6am | | | UL-TK-SIS UL-TK-SIS UL-TK-SIS | SIS-BI-045.01 SIS-RF-043.01 SIS18-AP-016.01 | HHD or HTP HHD or HTP HHD or HTP | | bake-out bake-out bake-out | | BEAM BEAM BEAM | | | | | |
| | 09. Dez Mo | 6am-2pm 2pm-10pm 10pm-6am | | | UL-TK-SIS, UNILAC-BI-032.01 UL-TK-SIS, UNILAC-BI-032.01 UL-TK-SIS, UNILAC-BI-032.01 | SIS-ESR, SIS-FRS SIS-ESR, SIS-FRS, U-Beam Setup HTC SIS-ESR, SIS-FRS, U-Beam Setup HTC | SIS-HTC SIS-HTC SIS-HTC | Storage, Deceleration Storage, Deceleration Beam to HFS | re-commissioning re-commissioning re-commissioning | BEAM BEAM BEAM | BEAM BEAM BEAM | BEAM BEAM BEAM | | | | |
| | 10. Dez Di | 6am-2pm 2pm-10pm 10pm-6am | ²³⁸ U ⁵⁺ | | UL-TK-SIS, UNILAC-BI-032.01 UL-TK-SIS, UNILAC-BI-032.01 UL-TK-SIS, UNILAC-BI-032.01 | SIS-ESR, SIS-FRS, SIS-EP-063.01 (HTC) SIS-ESR, SIS-FRS, SIS-EP-063.01 (HTC) SIS-ESR, SIS-FRS, SIS-EP-063.01 (HTC) | SIS-HTC, ESR-CRYRING SIS-HTC, ESR-CRYRING SIS-HTC, ESR-CRYRING | Extraction toward Cryring Extraction toward Cryring Extraction toward Cryring | re-commissioning re-commissioning re-commissioning | BEAM BEAM BEAM | BEAM BEAM BEAM | BEAM BEAM BEAM | | | | |
| | 11. Dez Mi | 6am-2pm 2pm-10pm 10pm-6am | | | UL-TK-SIS UL-TK-SIS UL-TK-SIS | SIS-ESR, SIS-FRS, SIS-HTD SIS-ESR, SIS-FRS, SIS-HTD SIS-ESR, SIS-FRS, SIS-HTD | SIS-HTD, Transport ESR-CRY optimization SIS-HTD, Transport ESR-CRY optimization SIS-HTD | Extraction toward Cryring Extraction toward Cryring Extraction toward Cryring | Injection, Storage Injection, Storage Injection, Storage | BEAM BEAM BEAM | BEAM BEAM BEAM | BEAM BEAM BEAM | | | | |
| | 12. Dez Do | 6am-2pm 2pm-10pm 10pm-6am | | | UL-TK-SIS UL-TK-SIS UL-TK-SIS | SIS-ESR, SIS-FRS, SIS-HTD SIS-ESR, SIS-FRS, SIS-HTD SIS-ESR, SIS-FRS, SIS-HTD | SIS-HTD, Transport ESR-CRY optimization SIS-HTD, Transport ESR-CRY optimization SIS-HTD | Extraction toward Cryring Extraction toward Cryring Extraction toward Cryring | Injection, Storage Injection, Storage Injection, Storage | BEAM BEAM BEAM | BEAM BEAM BEAM | BEAM BEAM BEAM | | | | |
| | 13. Dez Fr | 6am-2pm 2pm-10pm 10pm-6am | | | UL-TK-SIS UL-TK-SIS UL-TK-SIS | SIS-ESR, SIS-AP-049.01 (HHD) SIS-ESR, SIS-FRS SIS-FRS, HTP-Setup | | Extraction toward Cryring Extraction toward Cryring Optic variation (HFS), FRS-EP-025.01 | Injection, Storage Injection, Storage Injection, Storage | BEAM BEAM BEAM | BEAM BEAM BEAM | | | | | |
| | 14. Dez Sa | 6am-2pm 2pm-10pm 10pm-6am | | ⁴⁰ Ar ¹⁺ | UL-TK-SIS UL-TK-SIS UL-TK-SIS | SIS-HTP SIS-AP-060.01 SIS-BI (TBD) | HST-BI-013.01 HST-BI (TBD) | | Injection, Storage Injection, Storage Injection, Storage | BEAM BEAM BEAM | BEAM BEAM BEAM | | | | | |
| | 15. Dez So | 6am-2pm 2pm-10pm 10pm-6am | | | UNILAC-OP-021.01 UL-TK-SIS UL-TK-SIS | SIS-AP-060.01 SIS-BI (TBD) | HST-BI (TBD) | | Injection, Storage Injection, Storage Injection, Storage | BEAM BEAM BEAM | BEAM BEAM BEAM | | | | | |
| | 16. Dez Mo | 6am-2pm 2pm-10pm 10pm-6am | | | UL-TK-SIS, UNILAC-BI-032.01 UL-TK-SIS, UNILAC-BI-032.01 UL-TK-SIS | SIS-ESR, SIS-FRS, SIS-HHT SIS-ESR, SIS-FRS, SIS-HHT Operator Exam | HHT-test HHT-test Operator Exam | ESR-CRY ESR-CRY | Injection, Storage Injection, Storage Injection, Storage | BEAM BEAM BEAM | BEAM BEAM BEAM | | | | BEAM BEAM BEAM | |
| | 17. Dez Di | 6am-2pm 2pm-10pm 10pm-6am | ²³⁸ U ⁵⁺ | | UL-TK-SIS UL-TK-SIS UL-TK-SIS | SIS-ESR, SIS-FRS SIS-ESR, SIS-FRS Operator Exam | Operator Exam | ESR-HTA ESR-HTA ESR-HTA | Injection, Storage Injection, Storage Injection, Storage | BEAM BEAM BEAM | BEAM BEAM BEAM | BEAM BEAM BEAM | | | | |
| | 18. Dez Mi | 6am-2pm 2pm-10pm 10pm-6am | | | UL-TK-SIS UL-TK-SIS UL-TK-SIS | SIS-ESR, SIS-FRS, SIS-HTM SIS-ESR, SIS-FRS, SIS-HTM SIS-ESR, SIS-FRS, SIS-HTM | SIS-HTM SIS-HTM SIS-HTM | ESR-CRY ESR-CRY | Injection, Storage Injection, Storage Injection, Storage | BEAM BEAM BEAM | BEAM BEAM BEAM | BEAM BEAM BEAM | | | | BEAM BEAM BEAM |
| | 19. Dez Do | 6am-2pm 2pm-10pm 10pm-6am | | | UL-TK-SIS UL-TK-SIS UL-TK-SIS | SIS-ESR, SIS-FRS, SIS-HTM SIS-ESR, SIS-FRS, SIS-HTM SIS-ESR, SIS-FRS, SIS-HTM | SIS-HTM SIS-HTM SIS-HTM | ESR-CRY ESR-CRY | Injection, Storage Injection, Storage Injection, Storage | BEAM BEAM BEAM | BEAM BEAM BEAM | BEAM BEAM BEAM | | | | BEAM BEAM BEAM |

All planning must be expected to be subject of changes during daily noon meeting (12:45 SE1.124c)
 Details to Beam-Study-Numbers can be found here: https://www.gsi.de/work/beschleunigerbetrieb/dokumente/gsi_beam_experiment_machine_development.htm