

ESR Status April 2, 2019



- **Stable transfer of Ag^{45+} 262 MeV/u beam from SIS with standard setting was achieved, trimming of ESR is possible without affecting SIS users**
⇒ start of recommissioning
- **after optimization reasonable injection efficiency**
(50% of SIS intensity, despite beam cooling in SIS rather large beam emittance)
- **study of various tunes (within new model) for injection**
- **measurements of tune (chromaticity) over momentum acceptance show different dependence from the values with old control program (old model)**
not unexpected ⇒ corrections need to be calculated and tested
- **after some bug-fixes first orbit measurements from new BPM software**
- **in a first attempt deceleration from 260 to 110 MeV/u with an efficiency of 70 %**
- **basic functions from control software with a lot of margin for improvement**
- **reliable operation of all technical systems, some dropouts of controls**