ESR Machine Experiments 2021



- Bunched beam laser cooling, dedicated C³⁺ beam time scheduled, mainly laser and optical diagnostic aspects, preparation of SIS100 laser cooling, bunched beam Schottky diagnostics rate A
- Injection improvement via FRS, urgently needed for experiments with secondary beams, in cooperation with FRS team rate A
- Tune response to non-linearities, aiming at improving ion optical model, advanced method in recommissioning rate A
- Study of IBS effects (above and below transition),
 aiming at fundamental issues and code development rate A-
- Diffusion studies, beam stability and beam profile under external excitation of the beam rate B

participants: mainly ESR experts + students, some support by BI