

- ❑ Beam losses at injection (288b injection, new BLM checks, ...)
- ❑ Protection from long devices (TCDQ/TCT checks) → Combined with Collimation studies on asynchronous dump during beam based setup at 450 GeV + end of fill studies during aperture measurements with squeezed optics (LIBD, Collimation)
- ❑ Impedance of TCDQ and TDIs (bunch length dependence) , beam induced heating at these elements and MKI → some parasitic studies possible for beam induced heating (Impedance, RF, LIBD)
- ❑ Quench limits → workshop on sc magnets and beam induced quenches in autumn (MP, QPS, LIBD, BLM).
 - ✓ Injection(higher injected intensity, bumps?)
 - ✓ With Wirescanner
- ❑ Injection matching and emittance preservation (matching screens installed?) (BI, LIBD..)
- ❑ Q20 optics beam extraction, transfer and injection → could be done during downtime (SPS-LIU, LIBD,RF)
- ❑ Transfer line stability → during commissioning + some time needed later this year (parasitic measurements possible)
- ❑ UFOs at MKIs and MKQ (Tobias)