

# Discussion Session 1: Fri pm

- Clarification of SE types and motivations - table Giuliano
- Q&A with Sergey
- FNAL low Z diffuser Vladimir
- Selected questions:
  - Why do JPAC find x3.4 loss gain with DB but CERN only see 13% gain?
  - What RF structure is on unbunched beam with empty bucket channeling?
  - ES ribbons or wires? Is carbon a viable HV material – and how can we move forward (CERN, JPARC, GSI, FNAL?)
  - Can the SHiP (and other) experiment specify required spill ripple amplitude as a function of frequency, all the way to 10 GHz?
  - Can we simulate accurately enough to attain prompt extraction loss profile (dose to BLMs)? Impacting beam + geometry + materials + monitor response...