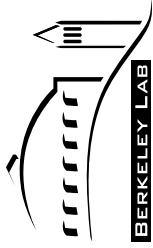


Study Leaders' Decisions

- It is late in the game
 - we must stay the course
- We prefer to be in the position of aiming for **optimized performance** and **feasibility**
 - positioning ourselves such that further studies and R&D give us good likelihood of achieving comparable performance and reduced cost is okay
 - this is **not** a cost-optimized design
- Remember that initial write-ups are due in a few weeks

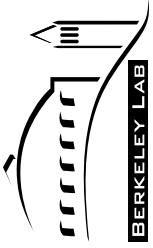


Study Leaders' Decisions

- Feasibility Study-II baseline
 - mini-cool will remain as LH₂
 - alternative of solid absorber, along with higher solenoidal field to compensate for its effects, will be mentioned in Appendix
 - phase rotation using three induction linacs will be maintained
 - possibility to eliminate IL2 and use two independent pulsers to drive the remaining core will be mentioned in Appendix
 - target solenoid field will remain 20 T
 - baseline is hollow-conductor insert; “plug-compatible” Bitter magnet option will be mentioned in Appendix (if work is done)
 - double-flip cooling channel will be discussed in Appendix
 - “differential” costing will be done if there is time
 - near detector should be located on the production straight
- We do **not** intend the Appendix to be longer than the document itself!

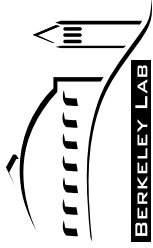
Areas Needing Attention

- Decide on target environment (vacuum, gas) [Spampinato, Ravn, McDonald]
- Develop beam dump concept [Spampinato, Ravn, McDonald]
- Design target solenoid and hollow-conductor insert [Weggel, Pearson]
- Evaluate heat load into magnets in decay channel and phase rotation section [Kirk, Mokhov]
- Design special magnets in flux reversal section [Green]
- Evaluate quench protection scheme and need for “firebreak” magnets [Green]
- Resolve spatial constraints in cooling channel layout [Black, Green, Hseuh, Rimmer]
- Understand Be window prestress [Rimmer]
- Design matching section between cooling channel and preacceleration linac [Palmer, Lebedev, Kim]



Areas Needing Attention

- Generate list of possible fault scenarios, and means to address them [Norem, Lebedev]
- Define foils and/or valves for vacuum isolation [Lebedev, Hseuh, Parker, Zisman]
- Define approaches to measure polarization and beam divergence [Norem, O'Brien, Geer]
- Evaluate multipole content of storage ring dipole and assess dynamic aperture [Parker, Makino]
- Evaluate need for RF system in storage ring [Parker, O'Brien, Geer, Ozaki]



Summary



- Feasibility Study-II work has progressed very well
- Now we need to focus on:
 - completing remaining technical work
 - producing initial write-ups by February 16 (see Gallardo talk)
 - evaluating costs of all systems
 - defining phased implementation approach