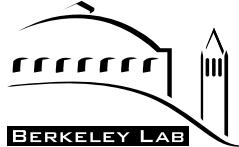


# Neutrino Factory Discussion



- Proposed tasks from Fernow for NF Study 2A
  - baseline configuration

- decay region
  - fix  $dB'$  at start
  - periodic  $B_s$
- adiabatic buncher
  - periodic  $B_s$
  - discrete frequency implementation
  - RF windows ( $R=30$  cm,  $G<12$  MV/m)
- phase rotation
  - periodic  $B_s$
  - discrete frequency implementation
  - fix  $dB'$  at end
- matching section
  - RF windows ( $R=30$  cm,  $G=15.25$  MV/m)
  - $f = 201.25$  MHz
  - coating for LiH?



# Neutrino Factory Discussion



- precooler
  - RF windows ( $R=25$  cm,  $G=15.25$  MV/m)
  - $f = 201.25$  MHz
  - coating for LiH?
- studies of alternatives
  - update MARS distribution from target (Nicholai, Harold?, Kevin?)
    - target geometry
    - field over target region
  - get new pion collection field profile (Kevin)
  - adjust Be window thickness in phase rotation
  - design shorter phase rotator (Dave)
  - replace LiH with Li, Be, ... in match and precooler
  - lower RF gradients
  - radius in precooler
- Geant confirmation
  - final design only (Amit)