



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)