



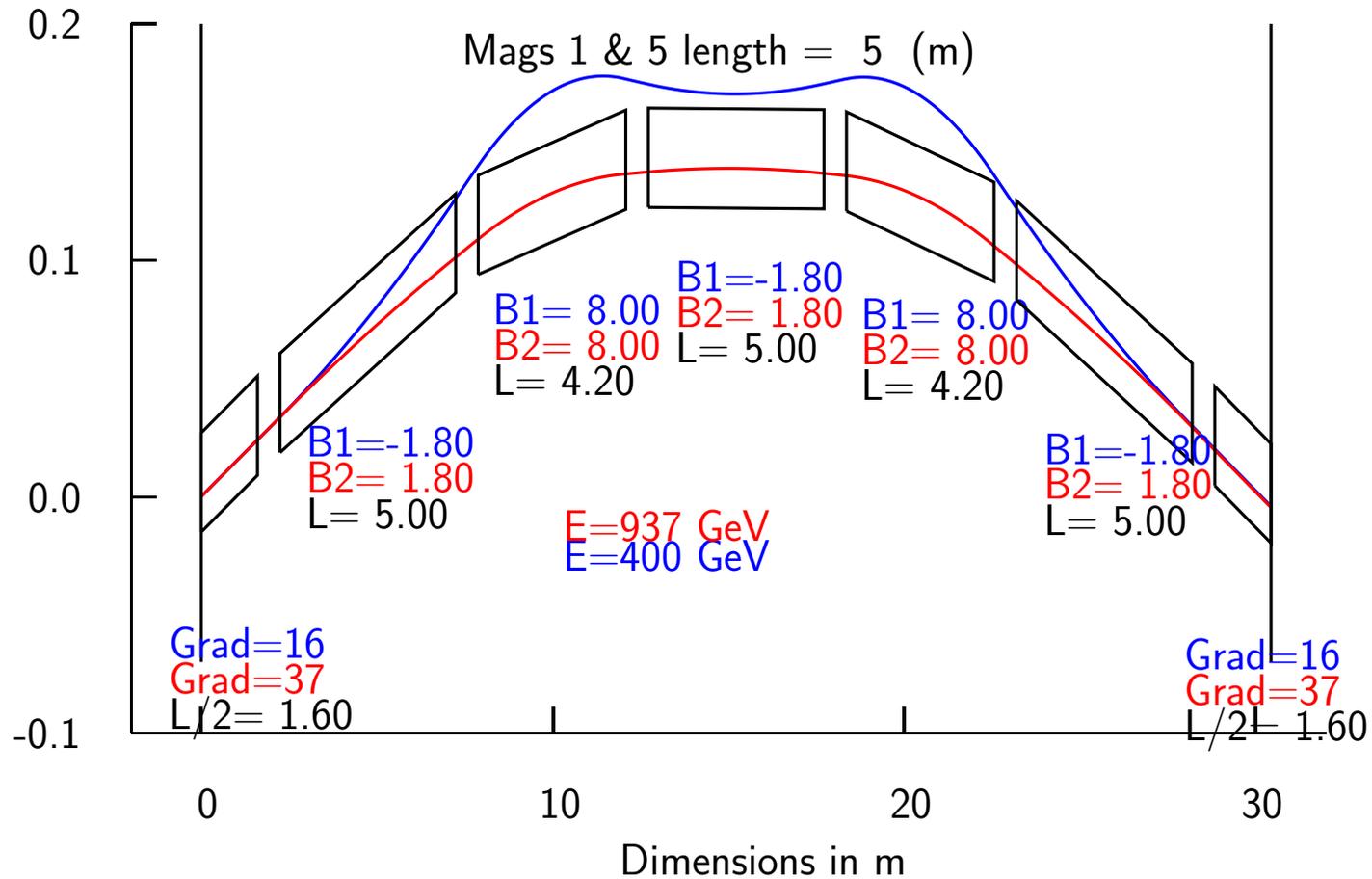
Tracking Summers pulsed Accelerator

R. B. Palmer (BNL) D Summers (Mississippi)

Friday April 27

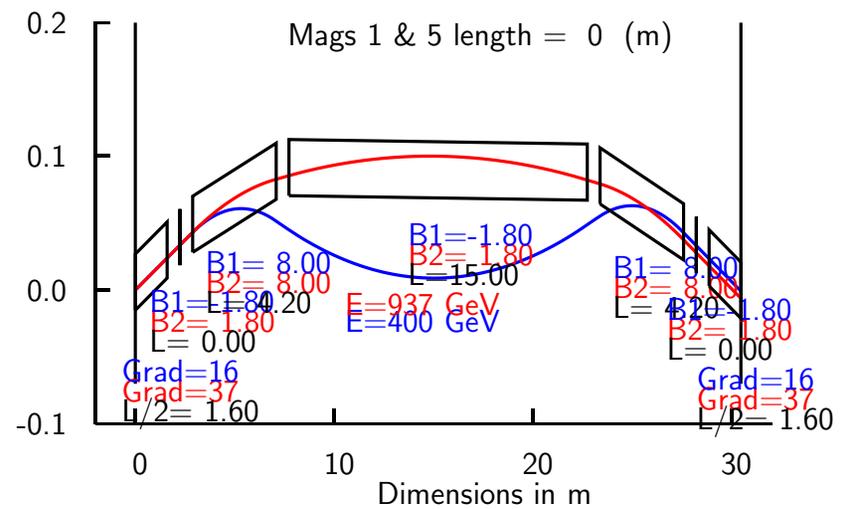
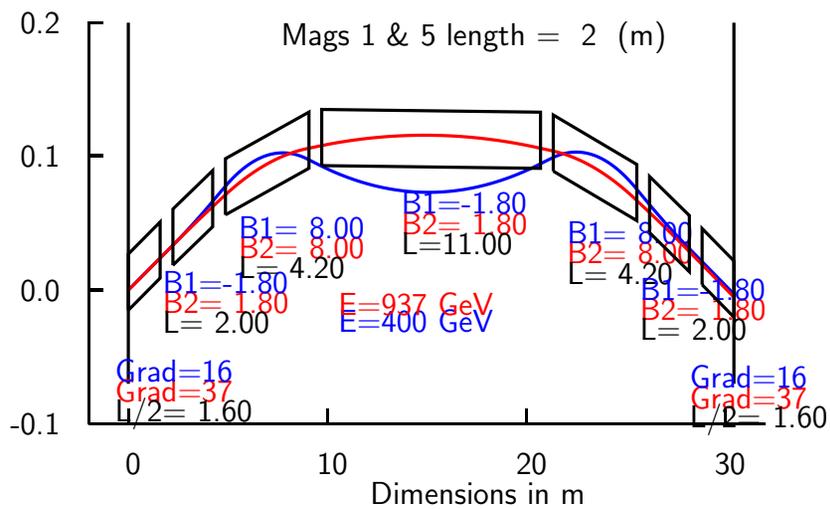
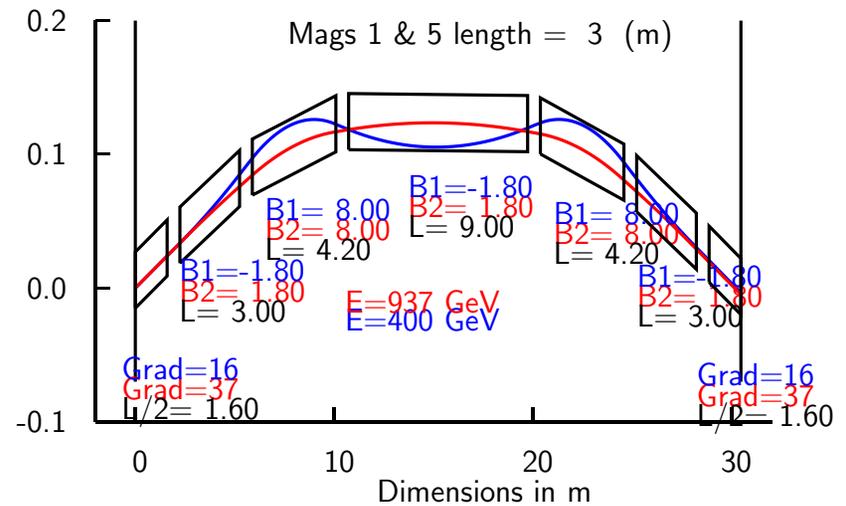
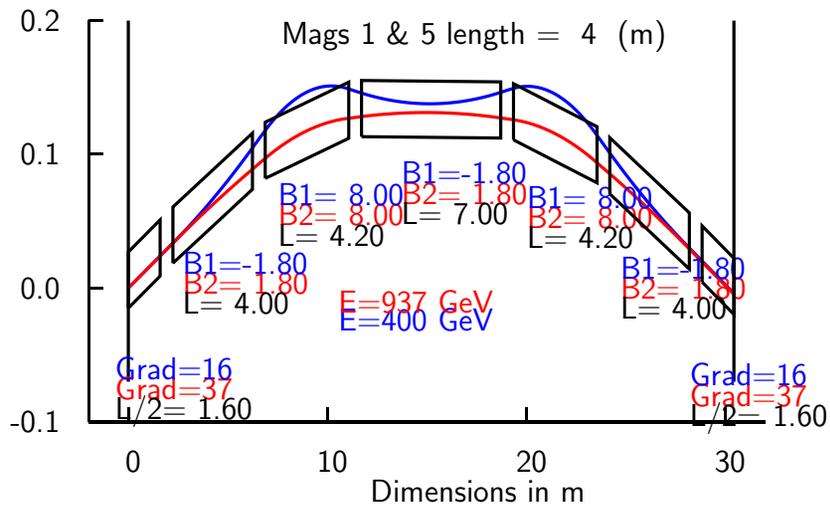
1. Don has proposed alternating fixed and pulsed magnets for muon acceleration
2. I tracked his example for a figure to show MuTAC
3. And found that it looked ugly

Summers original

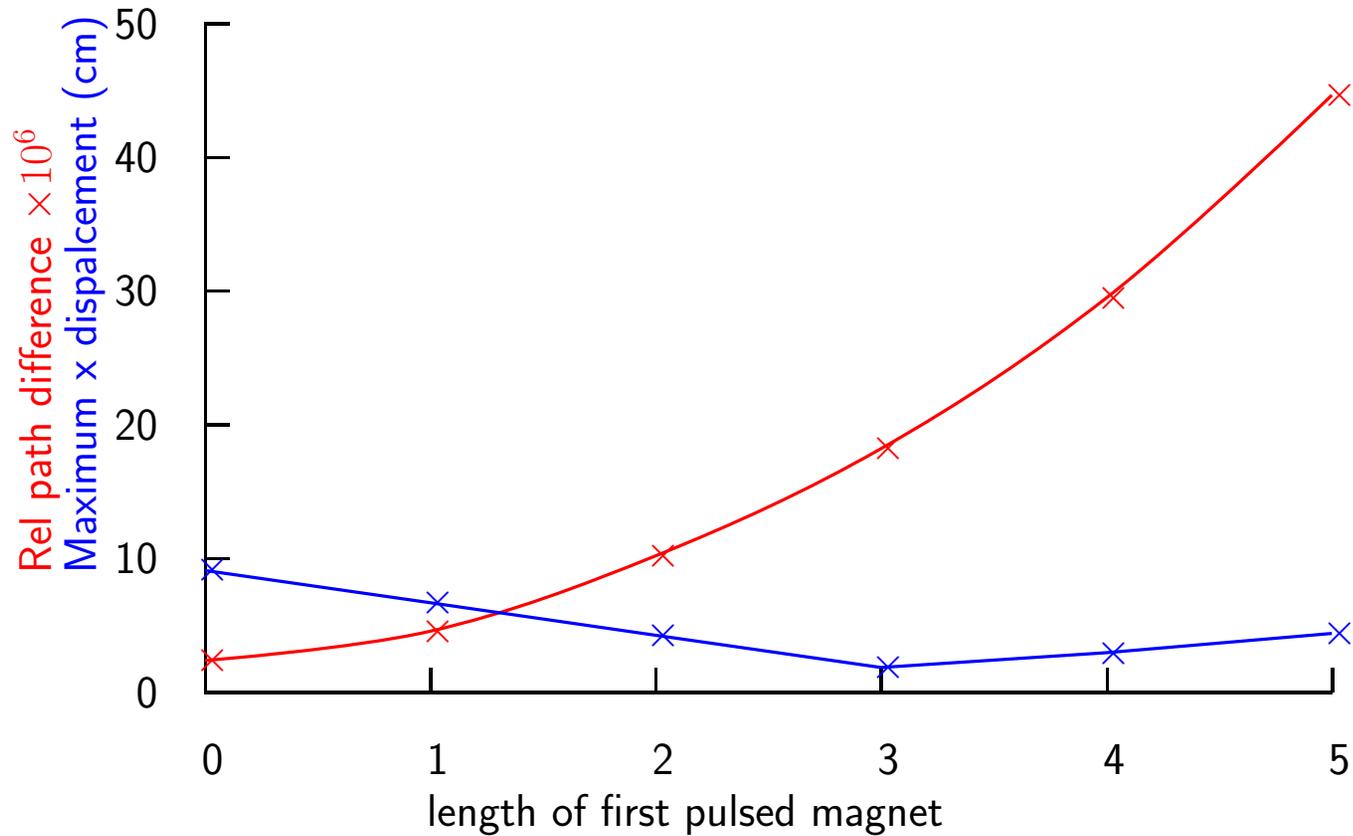


- Orbits at low and high energies are far apart
- Requires wide horizontal apertures
- Path lengths are also very different

Vary relative lengths of pulsed magnets



Dependencies



- Minimum requires aperture with 3 and 9 m pulsed magnets
- Has significantly less path lengths
- Path lengths can be smaller with only one pulsed magnet
- But required apertures are again large