

Optimization Study of Neutrino Factory front end

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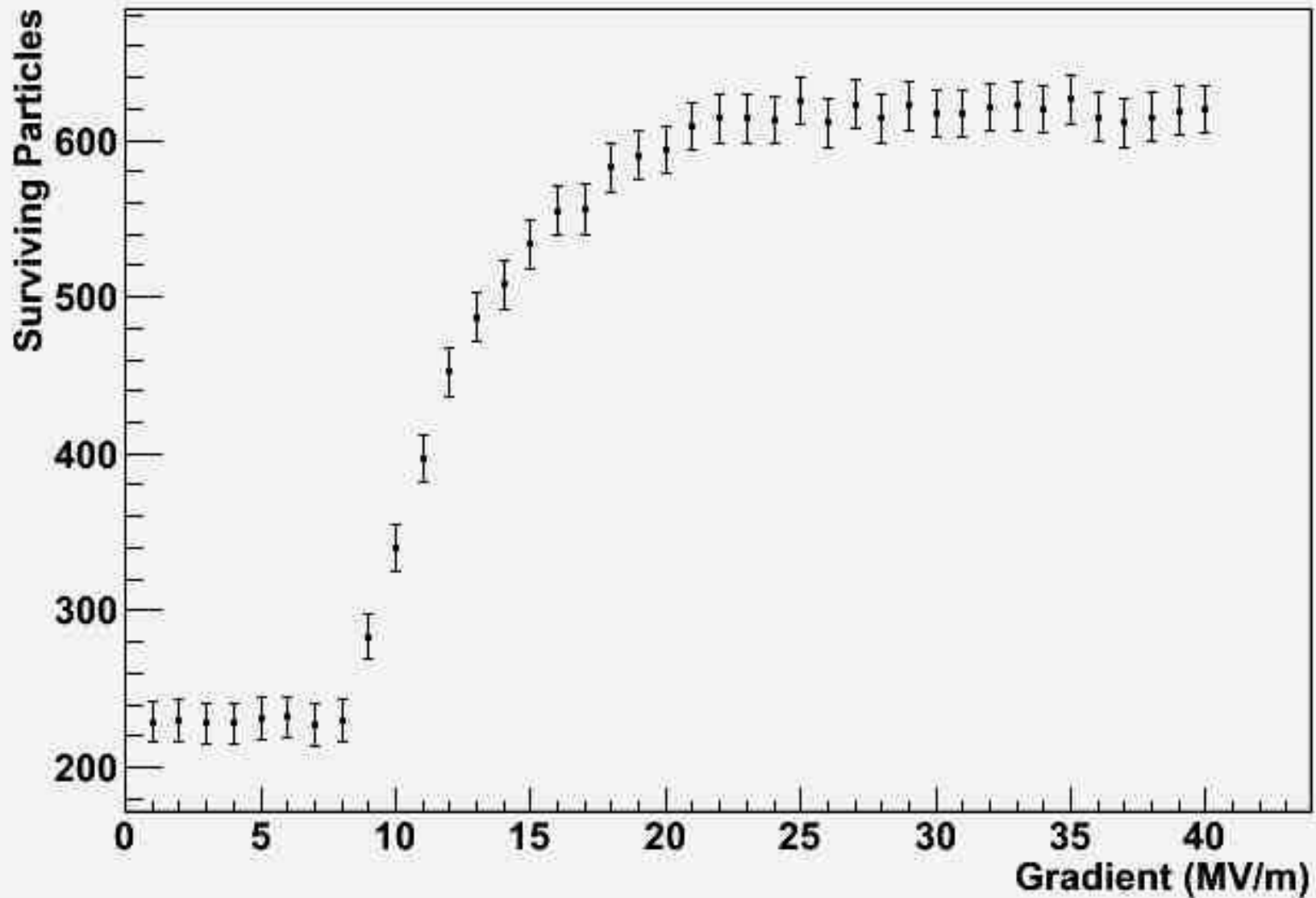
MAP Friday Meeting

6/4/10

Current Work

- Rick Fernow's ICOOL code for the ISS front end (Study 2a)
- 1000 muons
- Varied RF gradient and phase
- Selected phase for each gradient that produced maximum number of surviving particles

c2 vs. c1



Future Plans

- Vary absorber thickness
- Add additional absorbers/cavities
- Fix phase and optimize gradient/thickness