

# Selected symmetric settings

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Settings for 200 MeV/c, beta=42cm (A/mm<sup>2</sup>):

Solenoid mode

E2: 133.83,

C: 144.90,

E1: 124.46,

M2: 120.10,

M1: 129.04,

FC: 58.66.

Flip mode

E2: 131.71

C: 147.01,

E1: 124.46,

M2: 140.86,

M1: 111.76,

FC: 103.08.

Settings for 140 MeV/c, beta=42cm (A/mm<sup>2</sup>):

Solenoid mode

E2: 133.83,

C: 144.90,

E1: 124.46,

M2: 81.44,

M1: 87.21,

FC: 35.93.

Flip mode

E2: 131.71

C: 147.01,

E1: 124.46,

M2: 106.83,

M1: 76.68,

FC: 71.68.

Setting for 240 MeV/c, beta=53cm (A/mm<sup>2</sup>):

Solenoid mode

E2: 133.83,

C: 144.90,

E1: 124.46,

M2: 130.96,

M1: 145.31,

FC: 54.60.

Setting for 240 MeV/c, beta=75cm (A/mm<sup>2</sup>):

Flip mode

E2: 131.71

C: 147.01,

E1: 124.46,

M2: 90.29,

M1: 137.01,

FC: 61.40.

# Some comments

- Setting based on the note:

[http://micewww.pp.rl.ac.uk/attachments/2476/As-built\\_coil\\_dimensions\\_positions\\_and\\_currents.pdf](http://micewww.pp.rl.ac.uk/attachments/2476/As-built_coil_dimensions_positions_and_currents.pdf)

- It still needs to be updated as geometry was updated in the mean time (I await the one from the survey).
- There are many 140 MeV/c settings. This one may be not optimal...
- I cannot find settings with reference beta (42cm) for 240 MeV/c
- Asymmetric settings will follow.