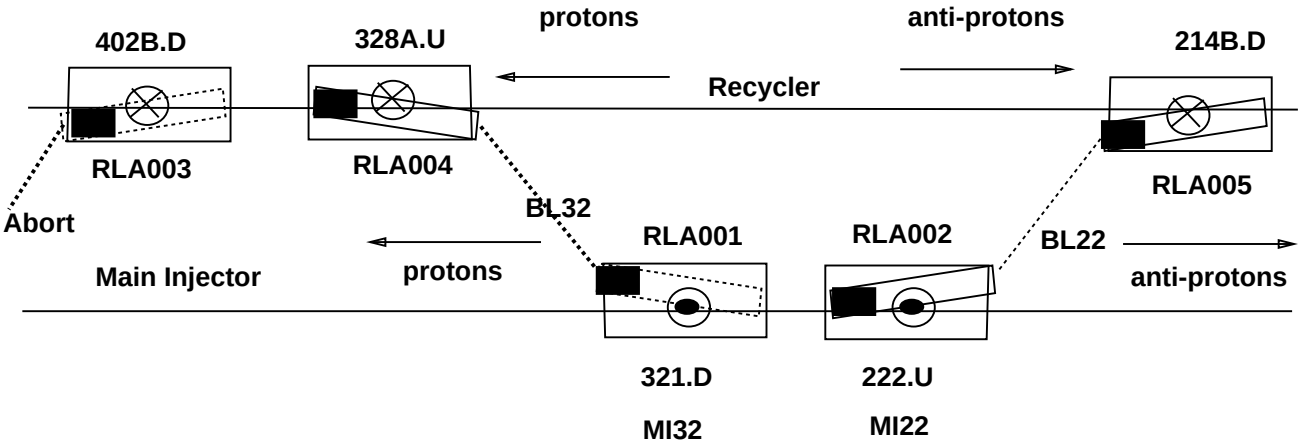
Recycler Lambertson Magnet Configurations
Main Injector - Recycler Transfer Lines

27 April 1998

interpreted by David Harding



Notes:

View is from aisle, top of page is up

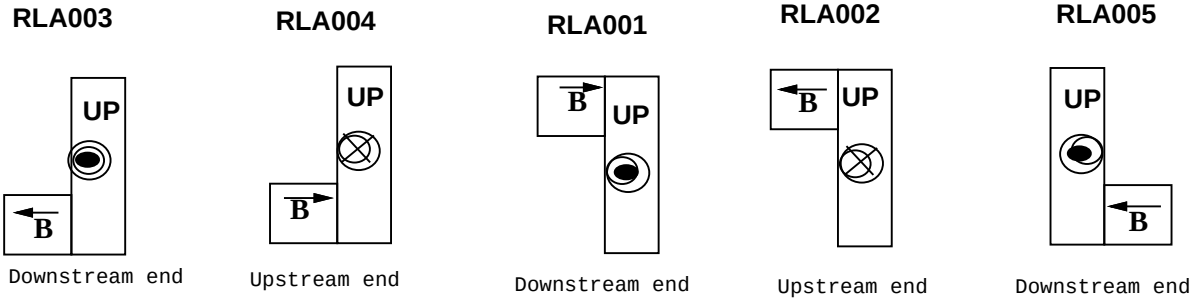
The magnet at 328A.U in the Recycler has its base plate (field-free region) on the wall side.
The magnet at 214B.D in the Recycler has its base plate (field-free region) on the wall side.
The magnet at 402B.D in the Recycler has its base plate (field-free region) on the aisle side.
The magnet at 321.D in the Main Injector has its base plate (field-free region) on the aisle side.
The magnet at 222.U in the Main Injector has its base plate (field-free region) on the wall side.

⊗ Field into wall, away from aisle.

⊙ Field away from wall, into aisle.

■ Label to include intended location, field direction.
Label located at downstream end for protons, as with gradient magnets.

RLA001, RLA004, and RLA005 have blue side of bricks away from pole.
RLA002 and RLA003 have blue side of bricks toward pole.



⊗ Proton beam into magnet. (View of proton upstream end.)

⊙ Proton beam out of magnet. (View of proton downstream end.)

Note: RLA001 and RLA005 are identical except for the placement of the label.

Integral B.dl = 0.6819 T-m

RLA Reference drawing 8140.000-ME-341098