

ON ISOTOPE SEPARATION IN A MAGNETIC  
FIELD WITH CUSP GEOMETRY

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S u m m a r y

The influence of the radial velocity dispersion of particles starting from the nonzero position in the left mirror of a system with a cusp magnetic field geometry on the efficiency of space separation of particles with nearly equal masses in the right mirror of the magnetic system is investigated. Numerical and analytic methods are used to consider the movement of particles in an almost homogeneous magnetic field in the vicinity of the right mirror. It is shown that the restriction of the initial radial velocity value and radial extent of a particle source are necessary for a good mass resolution.