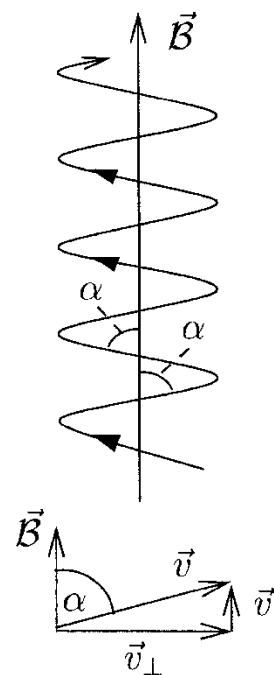
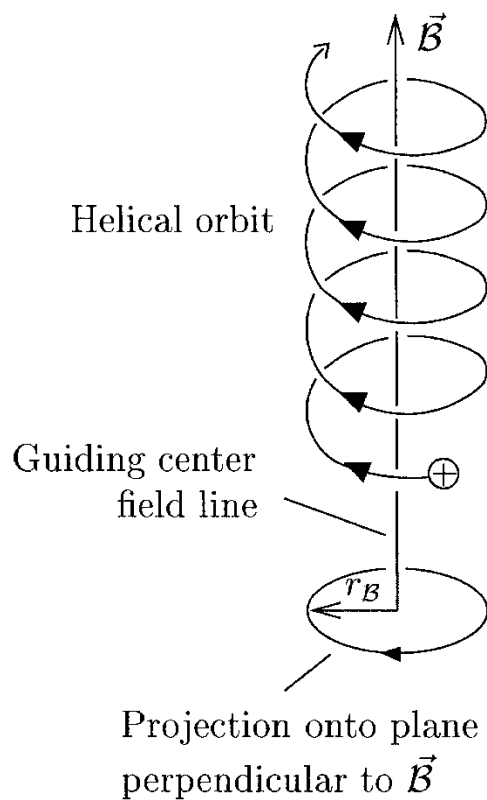


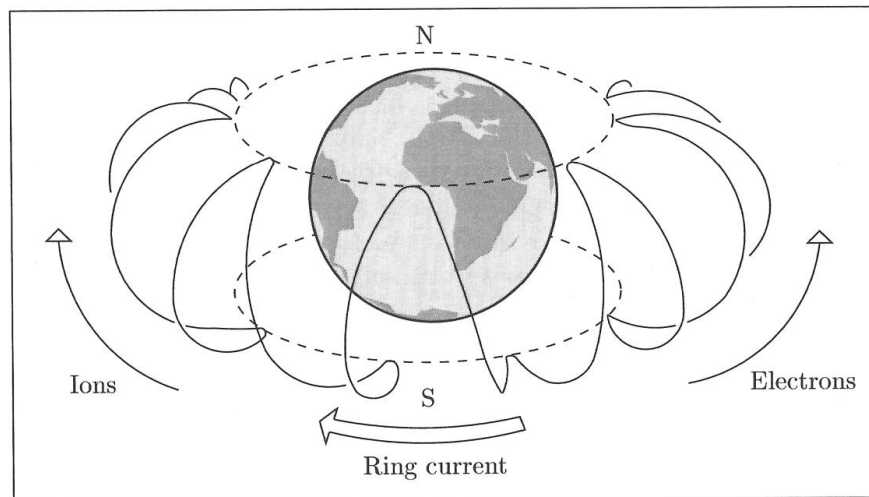
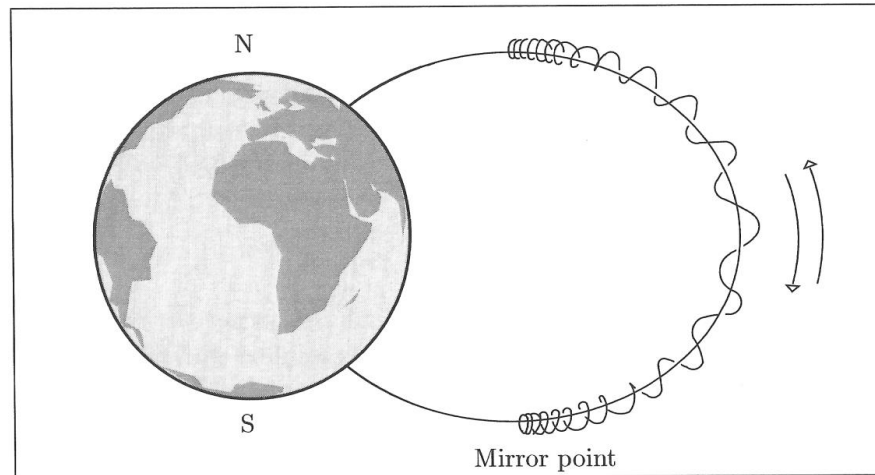
Gyration

$$v_{\parallel} \neq 0$$

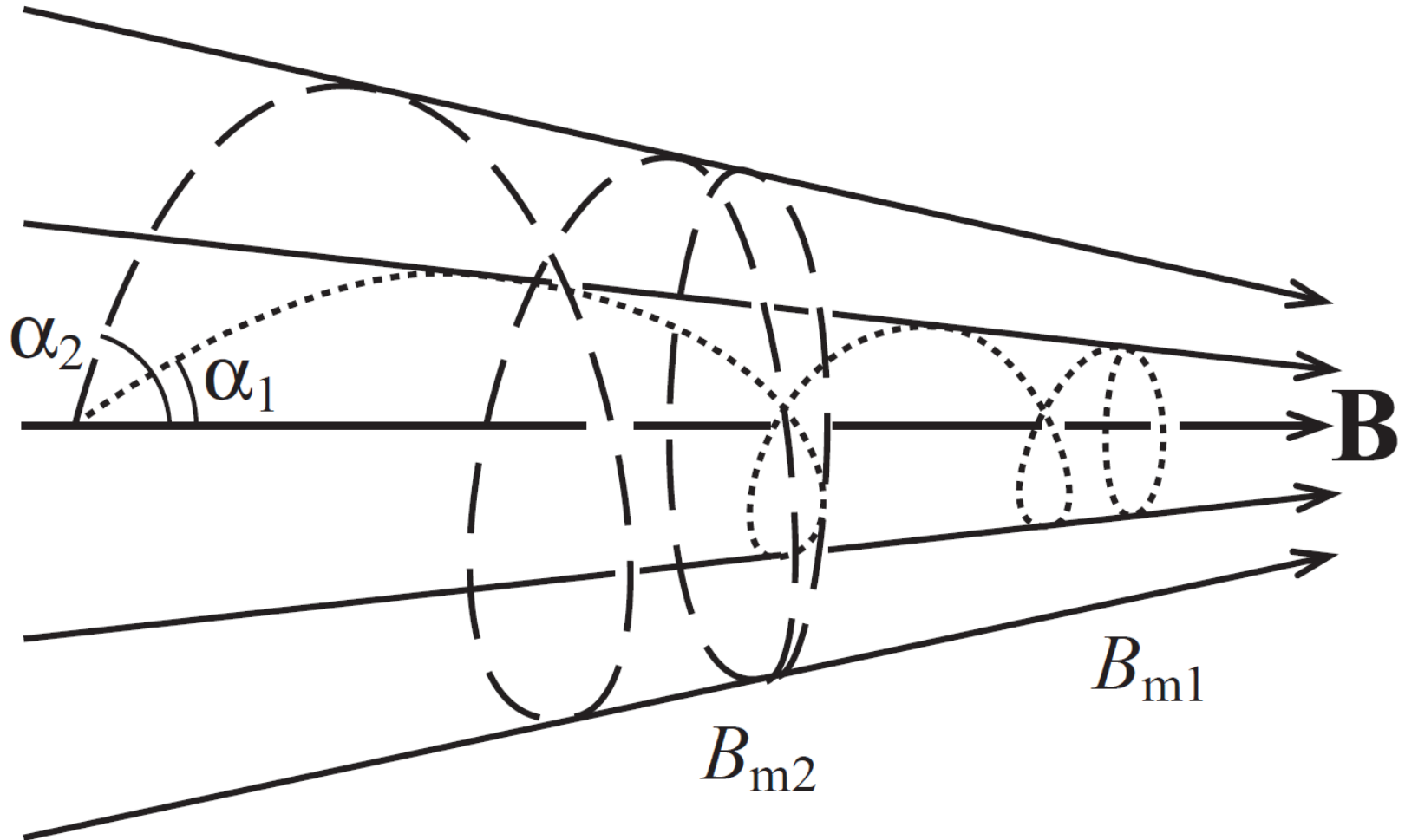
Projection onto plane
parallel to \vec{B}



Bounce and drift motion

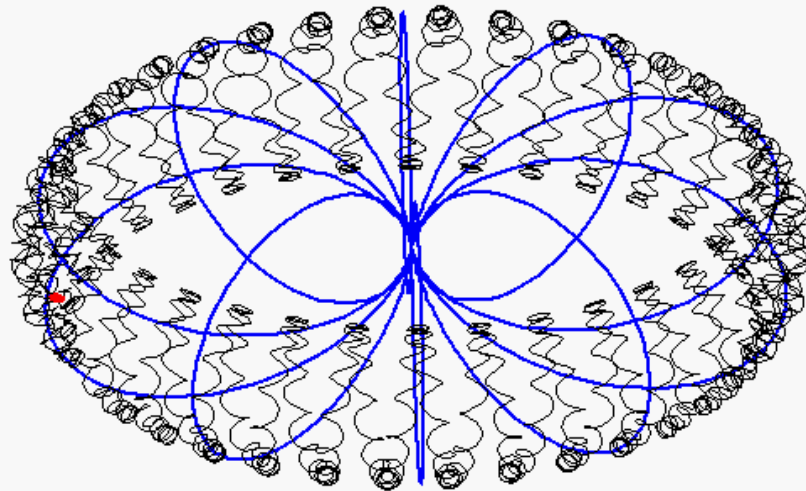


Magnetic mirror/loss cone



Single particle motion in dipole field

$$\begin{aligned} m &= 16\text{amu}, q = 1e \\ T_{\parallel} &= 14\text{MeV}, T_{\perp} = 31\text{MeV}, \alpha_0 = 56^\circ \\ t &= 0.00\text{s} \end{aligned}$$



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