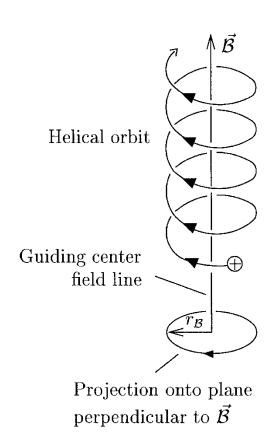
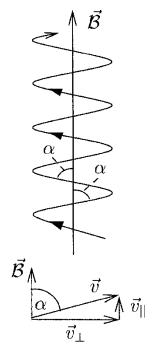
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Gyration



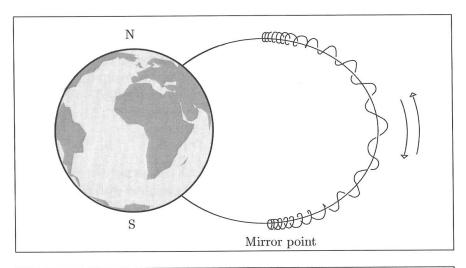
 $v_{\parallel} \neq 0$

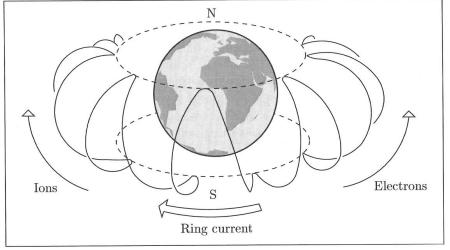
Projection onto plane parallel to $\vec{\mathcal{B}}$



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Bounce and drift motion

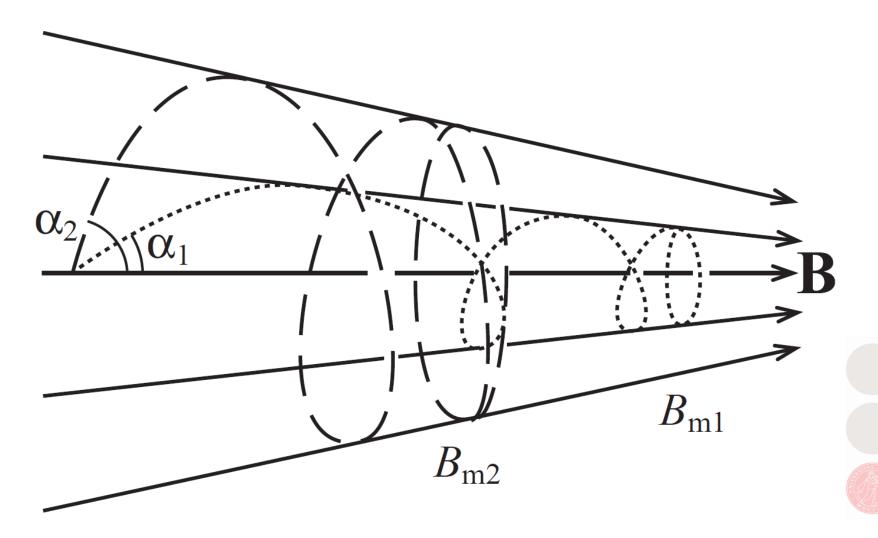




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Magnetic mirror/loss cone

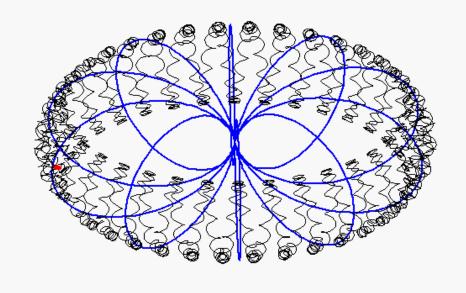




Single particle motion in dipole field

m = 16amu, q = 1e

$$T_{II}$$
 = 14MeV, T_{\perp} = 31MeV, α_0 = 56°
 t = 0.00s





Single particle motion in dipole field

m = 16amu, q = 1e

$$T_{II}$$
 = 14MeV, T_{\perp} = 31MeV, α_0 = 56°
t = 0.00s

