



(same for both pol 1 and -1)

rad/mm

- Omega_xy is **independent** of trans momentum (Px, Py)
 - All positrons in a 3T uniform field have same omega_xy
 - Omega_xy = v/r = **eB/m**
- Rad per mm = omega_xy / f(Pz)
 - = (eB/m) / (Pz/0.511 * 1e3*c)
 - e: positron charge (1.6e-19 C)
 - B: Magnetic field, 3T
 - m: electron mass, 9.1e-31 kg (0.511 MeV)
 - Pz: in the unit of MeV
 - 1e3*c: 1e3*3e8 mm/s