

Plots of trajectories of an electron-positron pair in SANE:

- Pair energy 700 MeV (each particle)
- Pair starting direction: 40° (along BETA's axis)
- Target field at 80°
- Color codes:
 - Red = electron
 - Blue = positron
 - Cyan = B Field
 - Green = beam
 - Black = BETA's axis
- Tracked with stand alone code magnet9a.f
- pair separation at BigCal: ~ 142 cm
- vertical deflection (along starting direction) = 11.93°
- horizontal deflection = 2.78° (i. e. arrive at BETA at 42.8°)

PLOT 1: 3D VIEW

PLOT 2: SIDE VIEW

PLOT 3: TOP VIEW, showing slight deflection to the left of 40°





