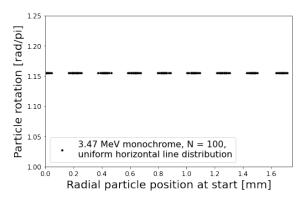
### Qualitative observations

```
Rin, a, b [cm]:
[30, 99.5, 41.8]
Scaling factor [A]: 9000
Maximum field strength: 60.855 mT, FWHM 149.3 mm
   60
   50
On-axis field strength [mT]
   30
   20
   10
    -100
            -75
                   -50
                           -25
                                    ò
                                          25
                                                  50
                                                          75
                                                                 100
                             Axial position [cm]
```

Figure: Field profile used so far

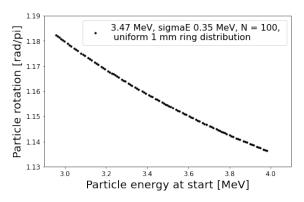
### Qualitative observations



**Figure:** Particle rotation does not seem to depend on the beam's radial distribution.

(The particles had no starting transverse momentum)

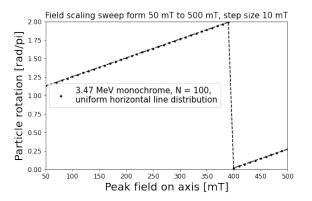
### Qualitative observations



**Figure:** Particle rotation exhibits slight inverse proportionality to particle energy.

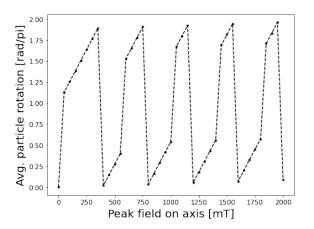
(The particles had no starting transverse momentum)

### Qualitative observations



**Figure:** Beam rotation is linearly proportional to maximum field strength. (The particles had no starting transverse momentum)

### Qualitative observations



**Figure:** ??? No idea, why the jumps. Could be "nonlinear effects", could be unreasonable field strengths - for ASTRA, and in general.