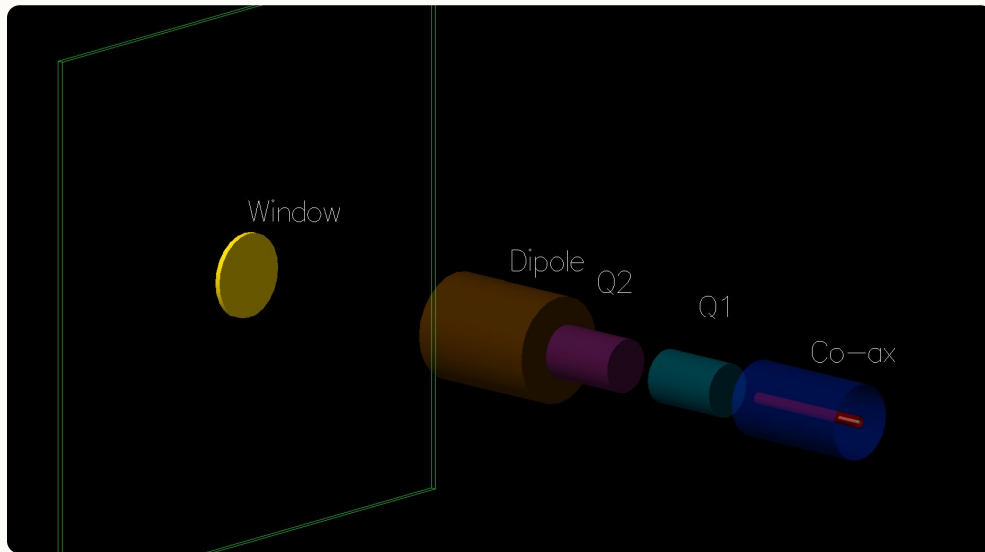


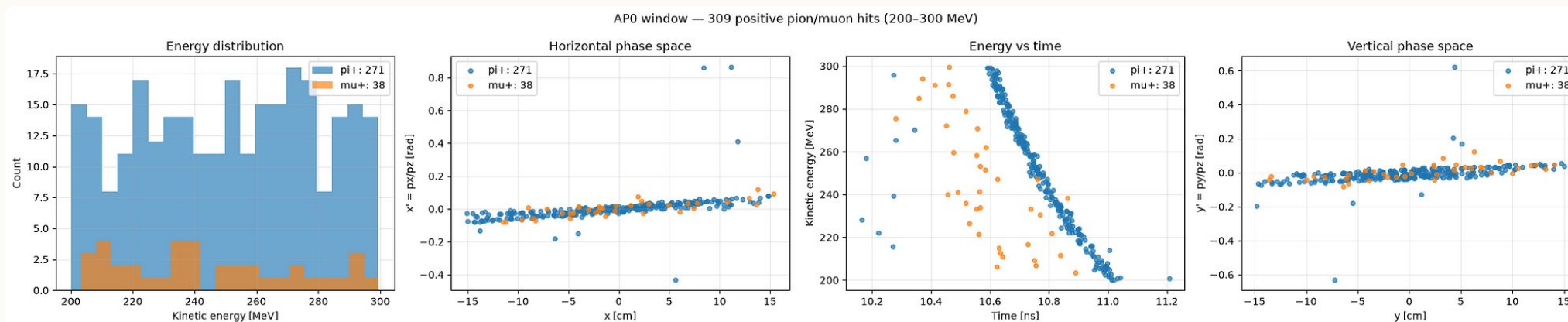
Design



1. Quads: 30cm length x 10cm radius (3T/m each)
2. Dipole: 50cm length x 20 cm radius (25 mT)
3. Co-ax:
 - a. inner bore: 2cm
 - b. outer conductor: 15 cm
 - c. length: 50cm

Results

- Due to constant field exposure, more particles are pushed into the bore.
- Whereas in a horn, there was more field free bore which doesn't work well with low energy pions.



- This gives $3 \times 10^{-3} \pi^+ / \text{proton}$ which is **3x better than horn+dipole** structure and **10x just a horn**.