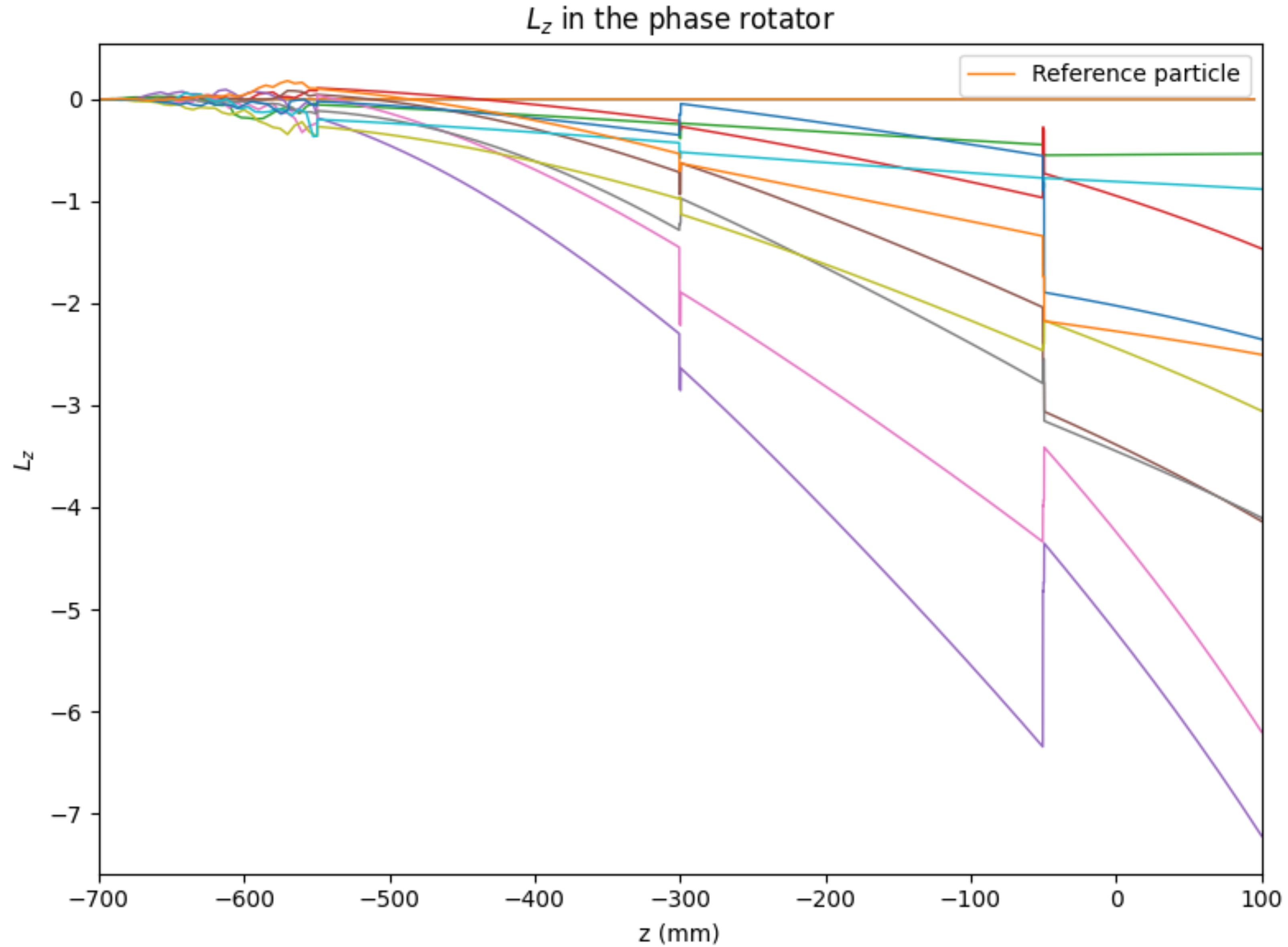
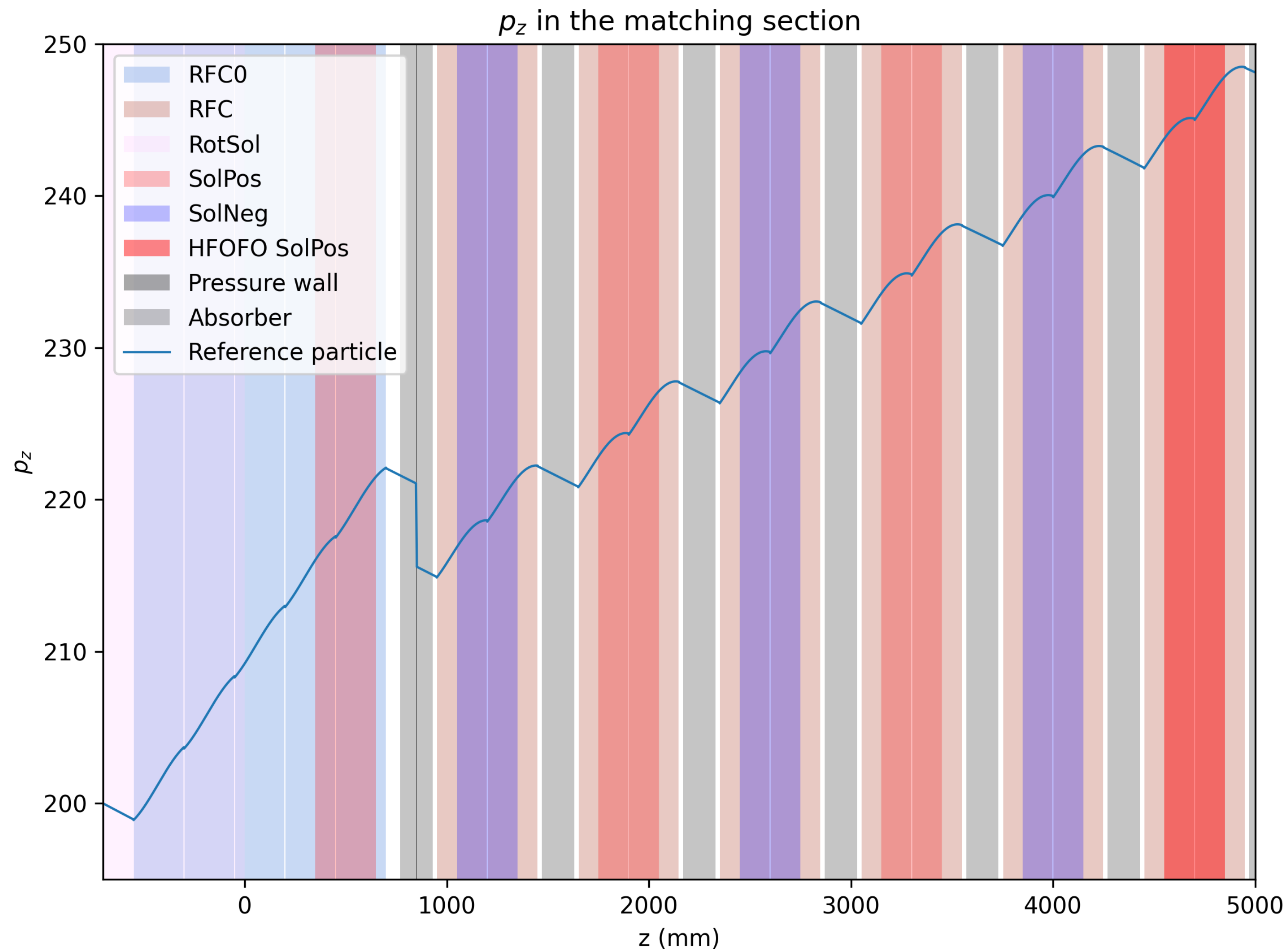


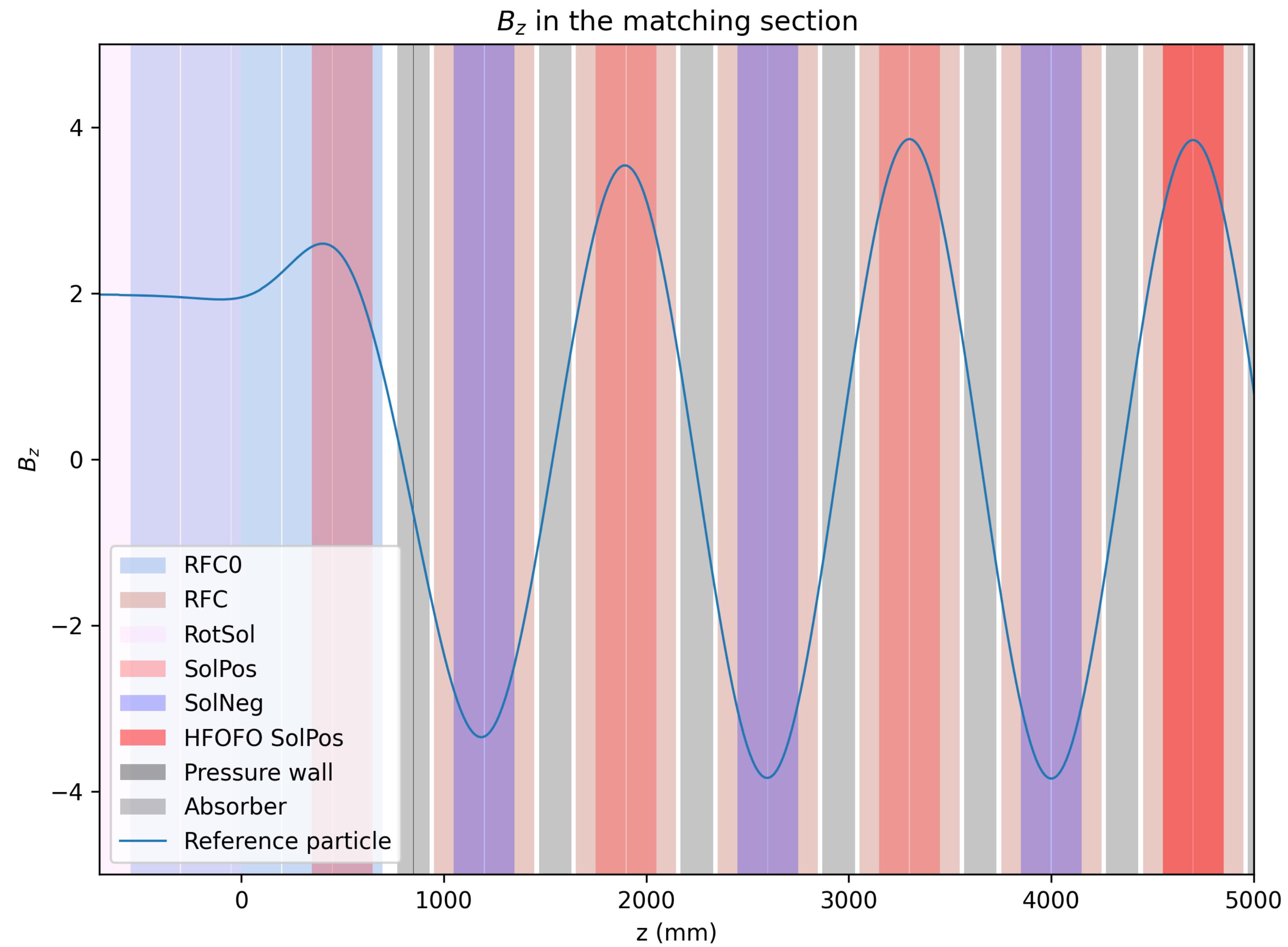
Update

- Since last time:
 - Fixed transverse B-field calculations
 - Systematic uncertainty issues → using detectors instead of trace when necessary, keeping up to 4 sig figs
- Switched to ROOT files for output
- Matching section
 - Studying it isolated was not as simple as I had expected
 - Wrote a different input card that allows for (much faster/easier) scaling of number of HFOfO periods
 - Hardcoded parameters (solenoid currents, wedge absorber widths, RF cavity time offsets) → no discernible periodicity
 - Trying to find set of parameters that results in a steady orbit for $p = 200 \text{ MeV}/c$
- Solenoid studies
 - Looked at length
 - Further → combine solenoids of opposite polarity, varying spacing, tilts, and currents

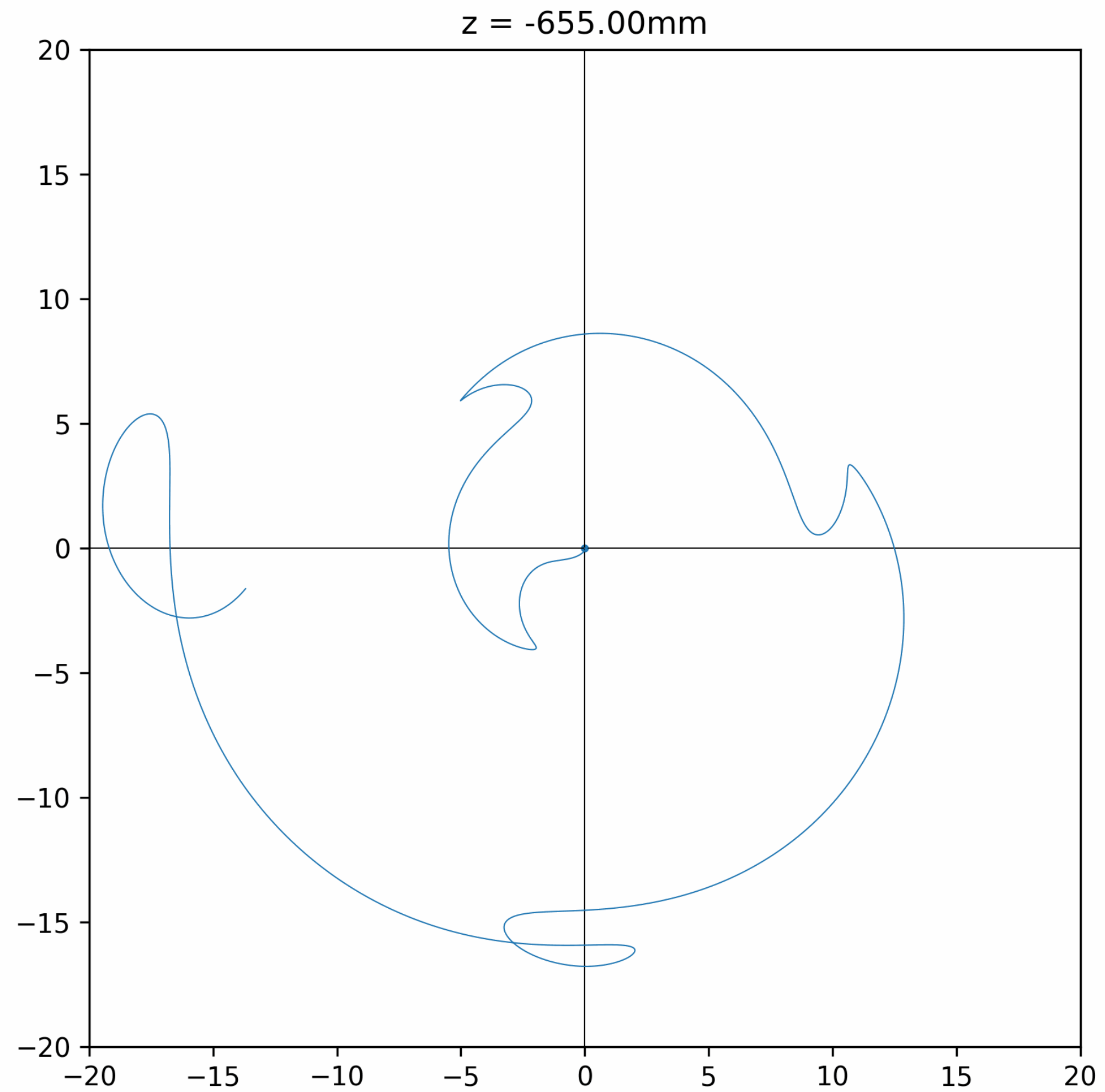
Angular momentum, with RF + terminus



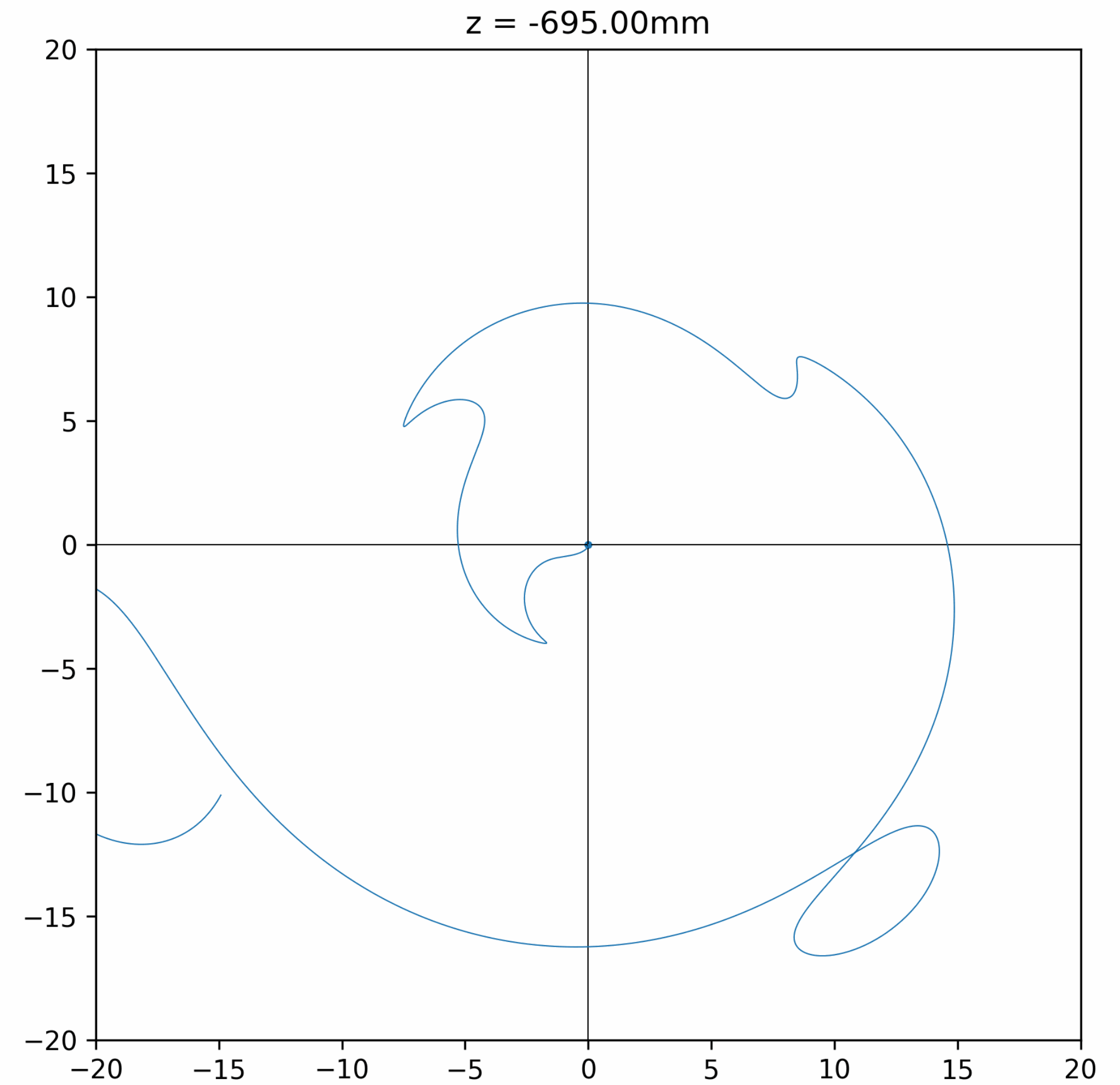




Update



Original currents



Reduced currents

