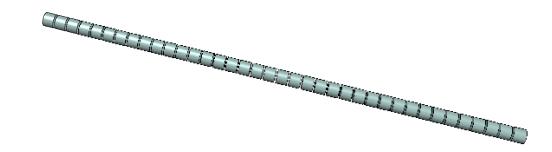


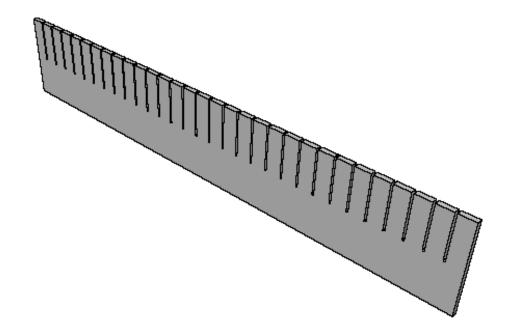
Mu2e target design

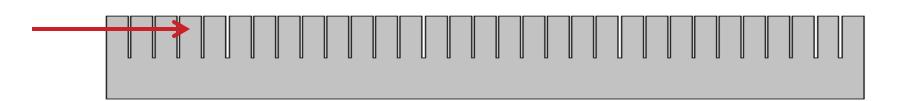
- → Material: Tungsten
- \rightarrow The target is 20 cm in length and has radius of 0.315 cm.
- → The target is divided into 34 sections, each 0.5 cm wide, separated by 0.08 cm gap.



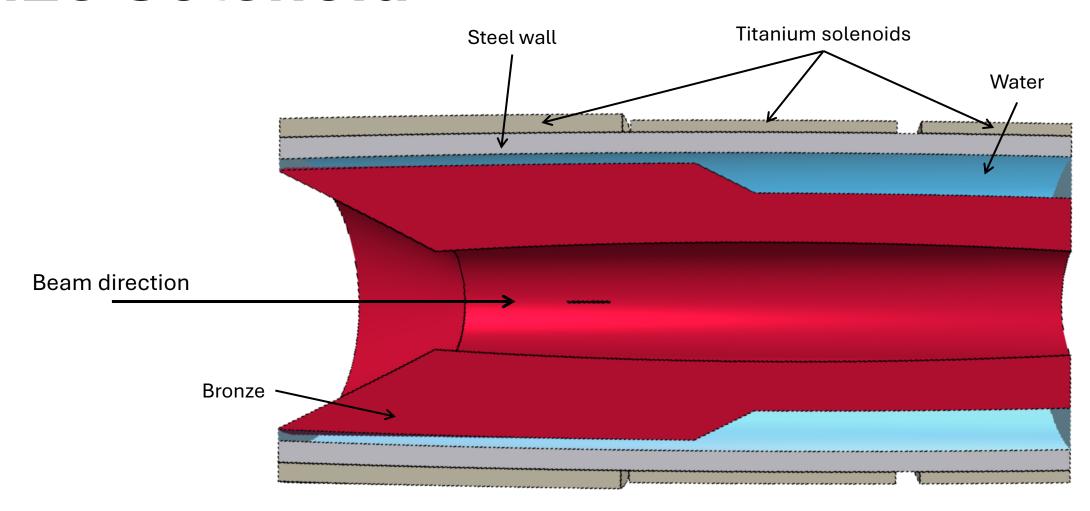
NOvA target design

- → Material: Graphite
- \rightarrow The target is **78** cm in length and 0.74 cm wide.
- → The target has 31 fins, each measuring 2.4 cm in length along the beam direction, and 6.3 cm in height, spaced by 0.05 cm gaps.

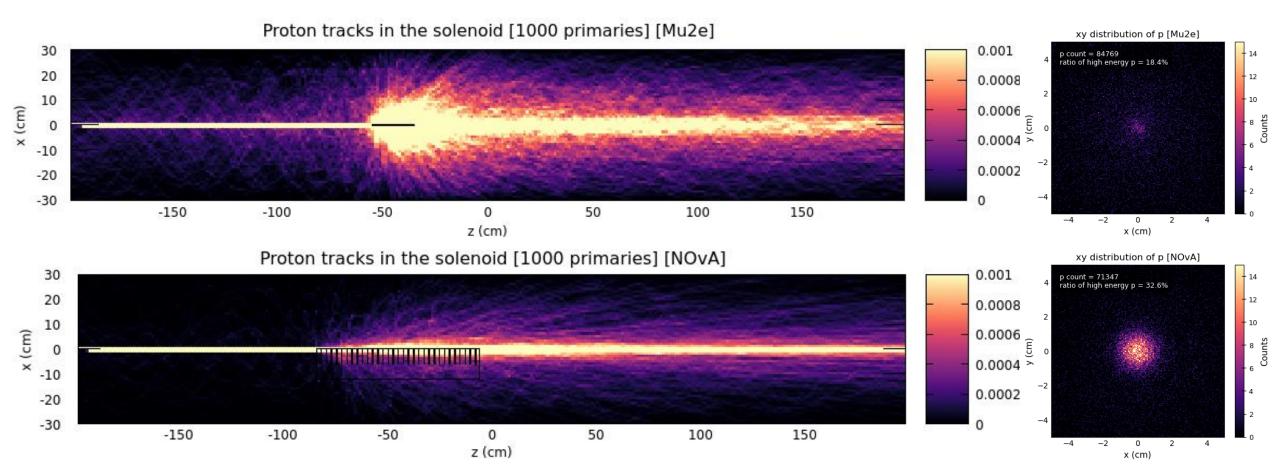




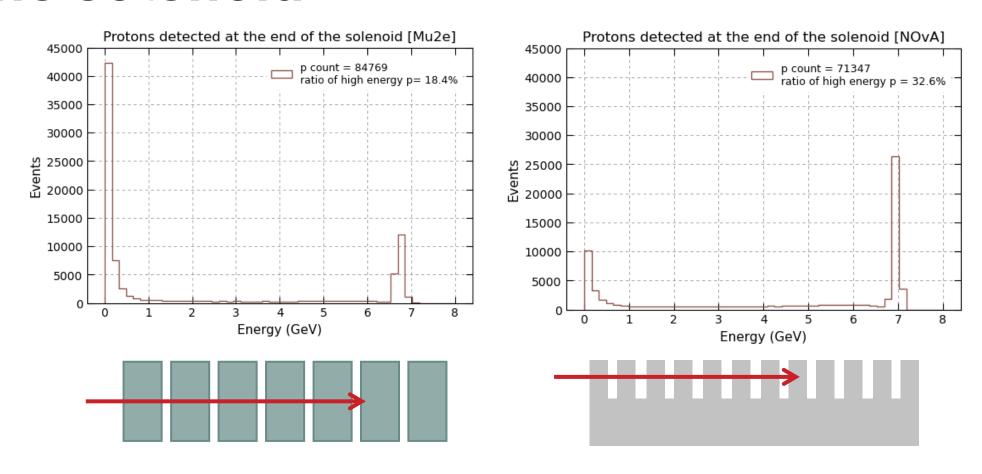
Mu2e Solenoid

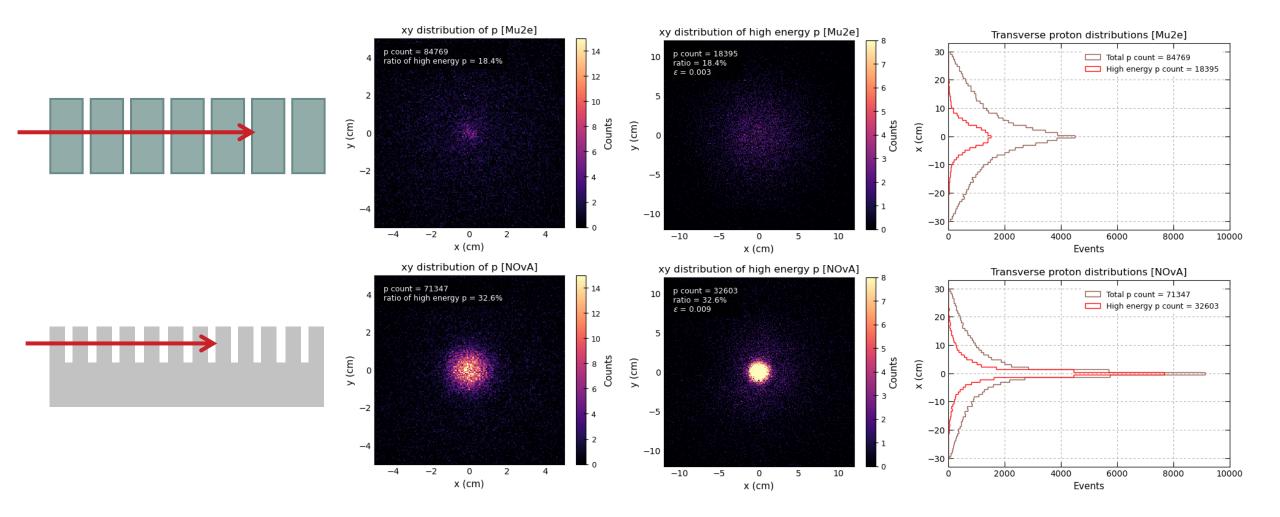


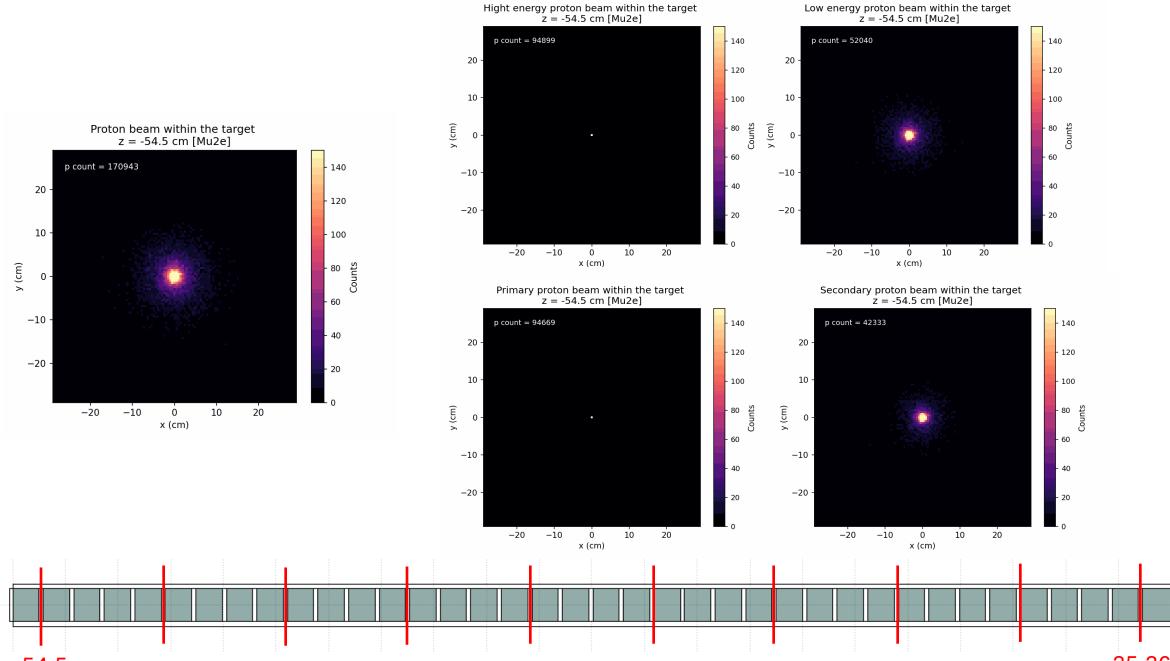
Analysis of the proton beam

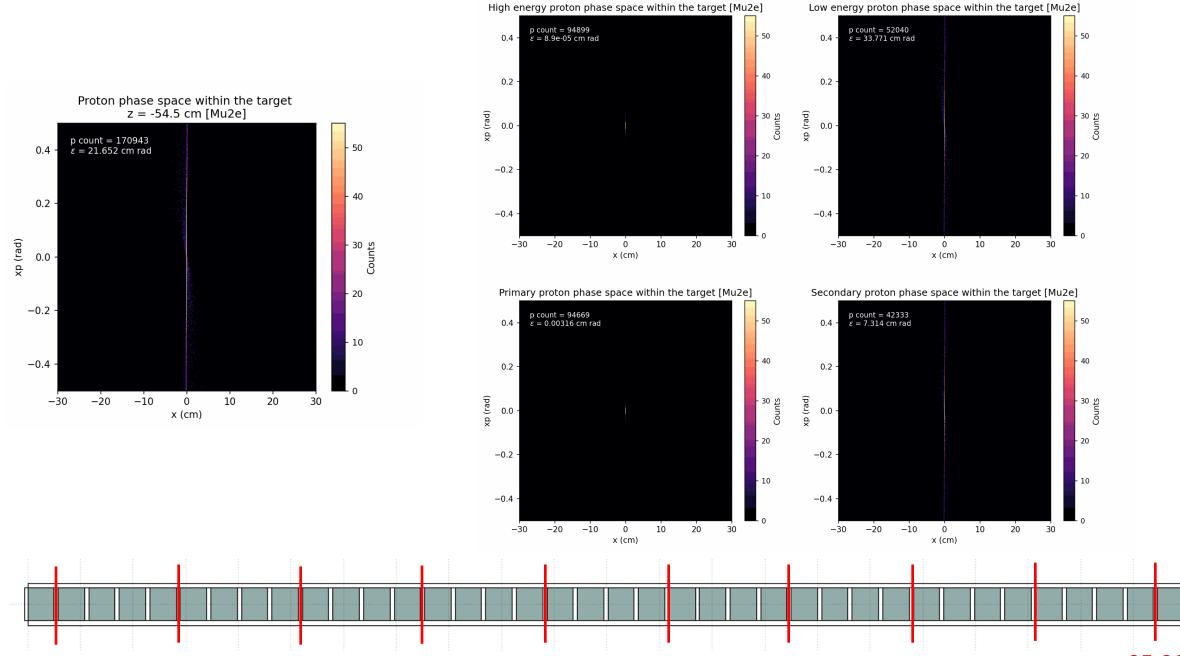


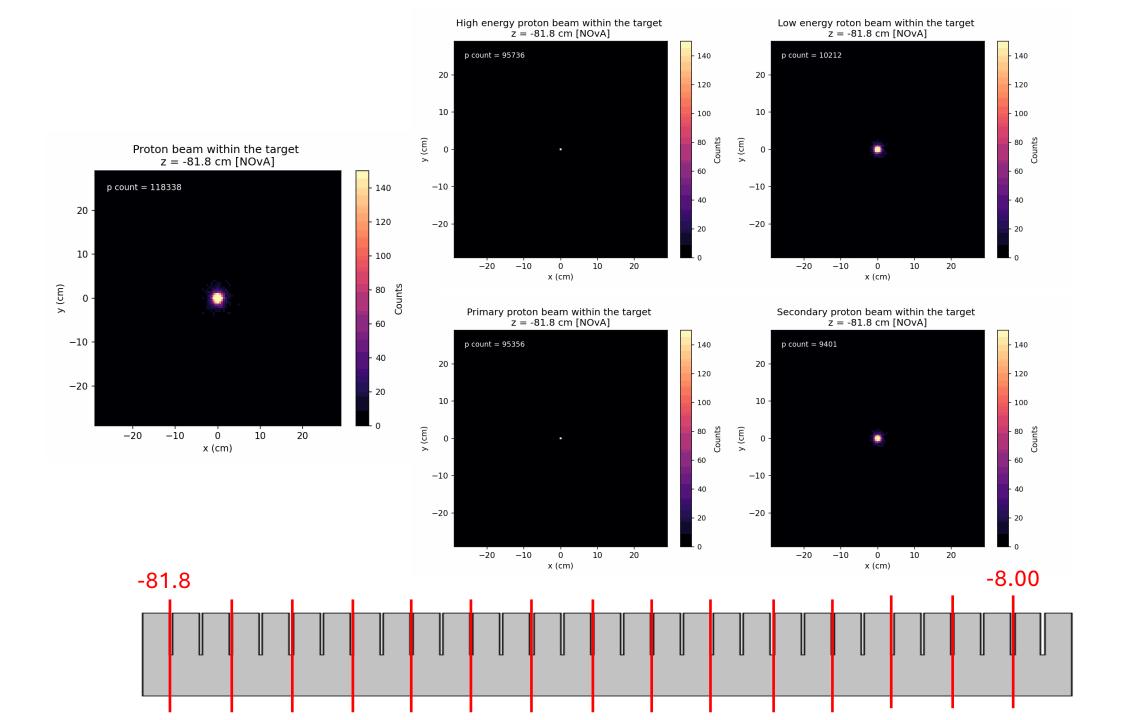
Protons energy distributions at the end of the solenoid

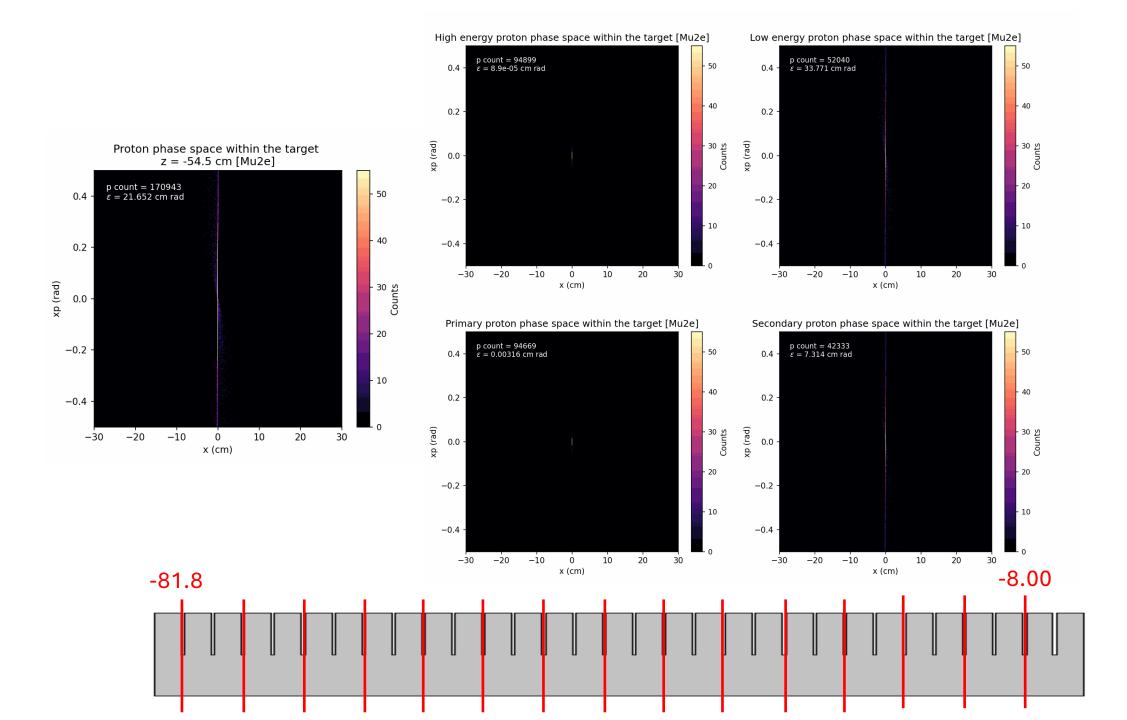




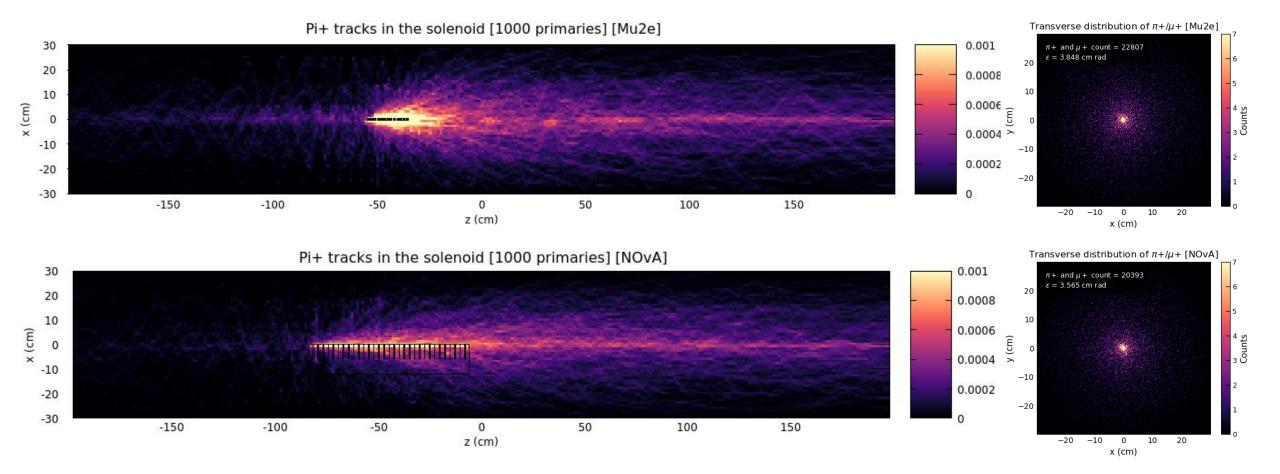


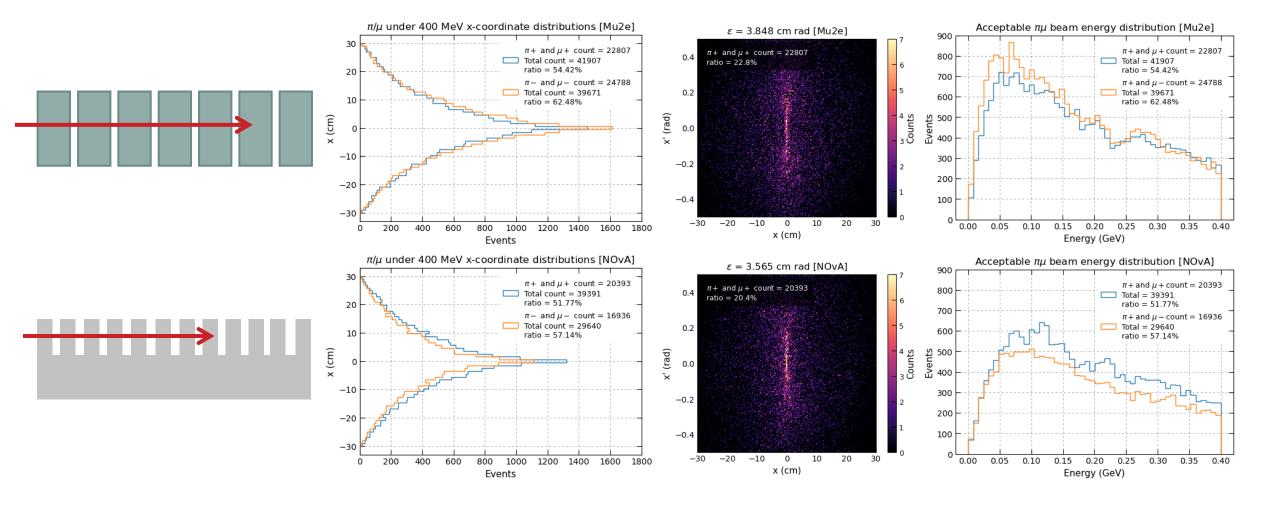


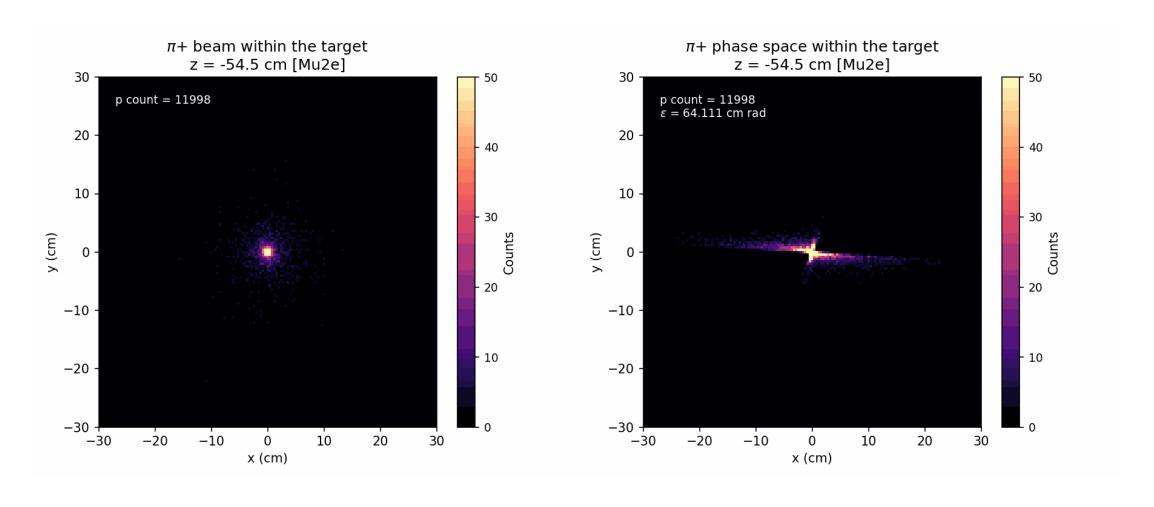


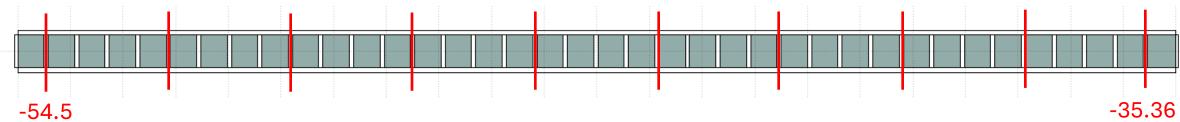


Analysis of the π/μ beam



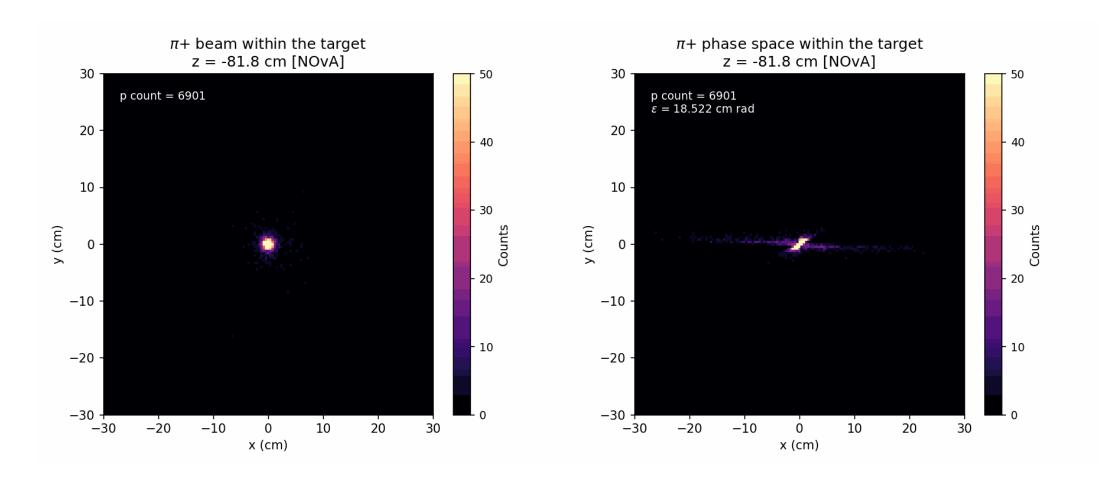


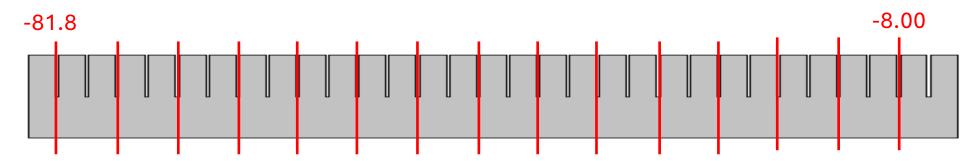




-35.36

16





For next week...

- → Focus on the target damage studies.
 - → Learn more about DPA and H/He appm and how to quantify damage in different materials using these units.
- → Learn more about the time structure of the beams.