

# Low energy proton tracking at large angles.

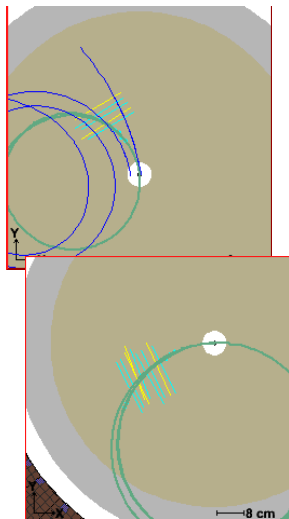
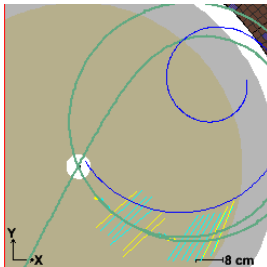
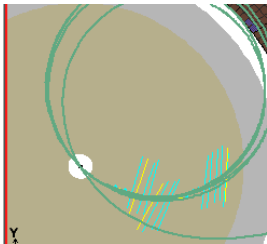
Benedikt Zihlmann



# Single Proton Tracks

Generate single proton tracks:

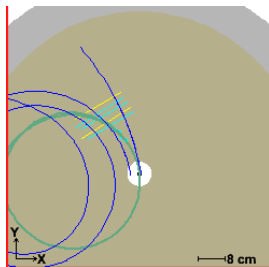
- Momentum 300 MeV/c
- Polar angle 70 degrees
- CDC hits only!



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- Protons get stopped in CDC
- Limited wire hits <28!
- Track finding is very good!
- Track fitting is very poor!

- Only 26% protons reconstructed
- Wire based fit 54%  $\pi, p$
- Time based fit 38%  $\pi, p$
- This is with ALT1!