

TARGET AND PION PRODUCTION*

- Target: Cu, Hg (Liquid Ga, lead)
- Studies Π production CODES: MARS, DPMJET, ARC
- Π spectrum peaks at low energy ≈ 100 MeV/c, large angles
- Capture with SOLENOID
Momentum acceptance $p_{\perp}^{max} = 0.5eBa \approx 300$ MeV/c
Solenoid on target $B=20$ T, matching section $\frac{B_o}{1+\alpha z}$, followed by decay channel 5 T

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$\mu^+ \mu^-$ COLLIDER