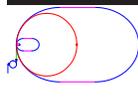


TARGET AND PION PRODUCTION*

- 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 $\frac{B_0}{1+\alpha z}$, followed by decay channel 5 T

*



$\mu^+ \mu^-$ COLLIDER