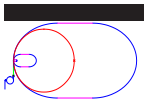
TARGET AND PION PRODUCTION*

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



* $\mu^+\mu^-$ COLLIDER