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

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