

# Electron-Ion Collider (EIC)

$E_e = 18 \text{ GeV}; E_p = 275 \text{ GeV}$

$BH \text{ (LM+HM)}$

$ALL \text{ (LM+HM)}$

$TCS \text{ (LM+HM)}$

$\gamma$ -tagged (low & high mass sample)

$0.5 < E'_e / E_e < 0.9 \text{ \& } \pi - \theta_e < 10 \text{ mrad}$

$x_L < 0.97 \text{ \& } p_T^p > 100 \text{ MeV}$

$\theta_{p_\mu} < 13 \text{ mrad}$

$p_T^\mu > 300 \text{ MeV \& } |\eta_\mu| < 3.5$

