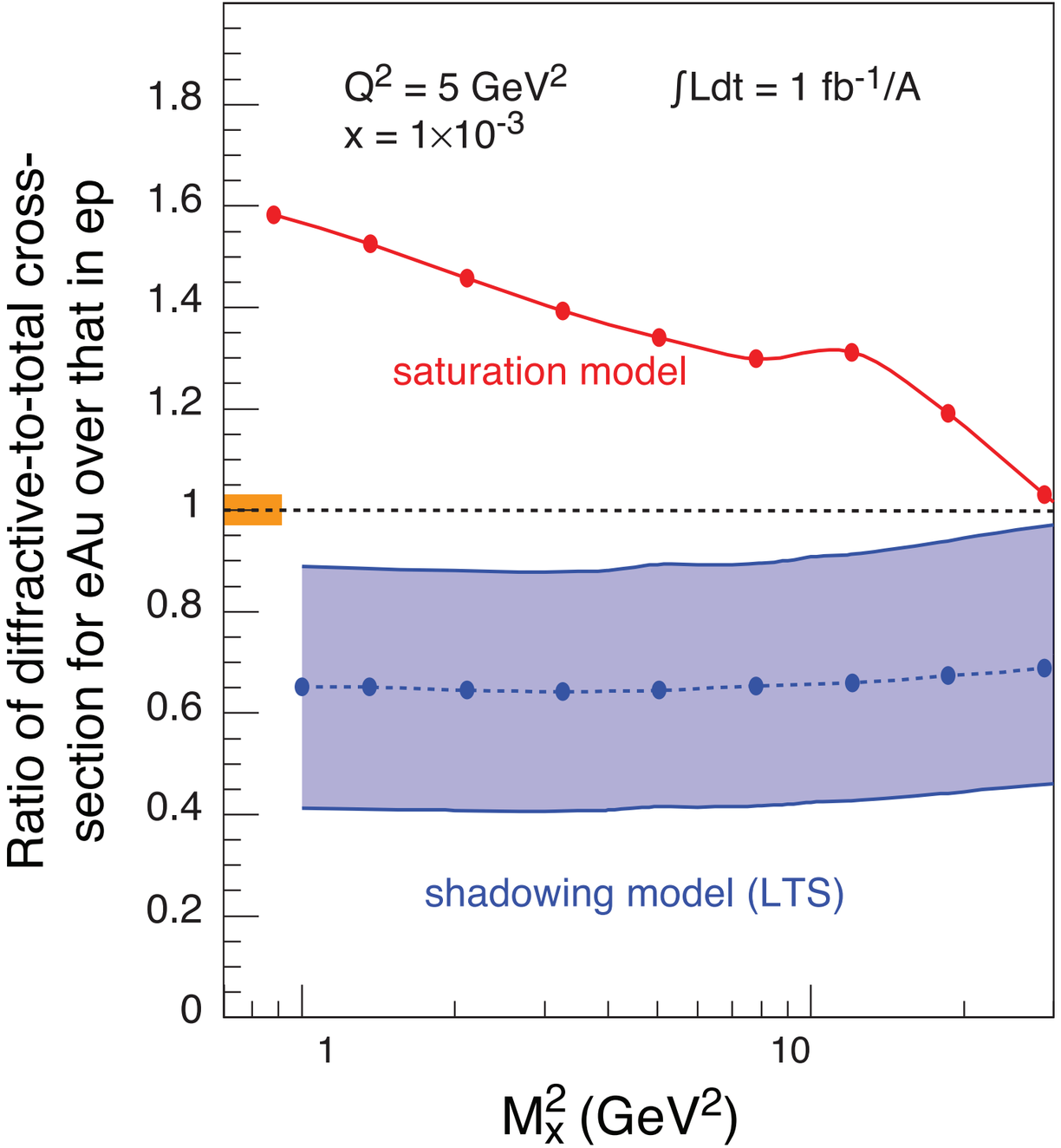
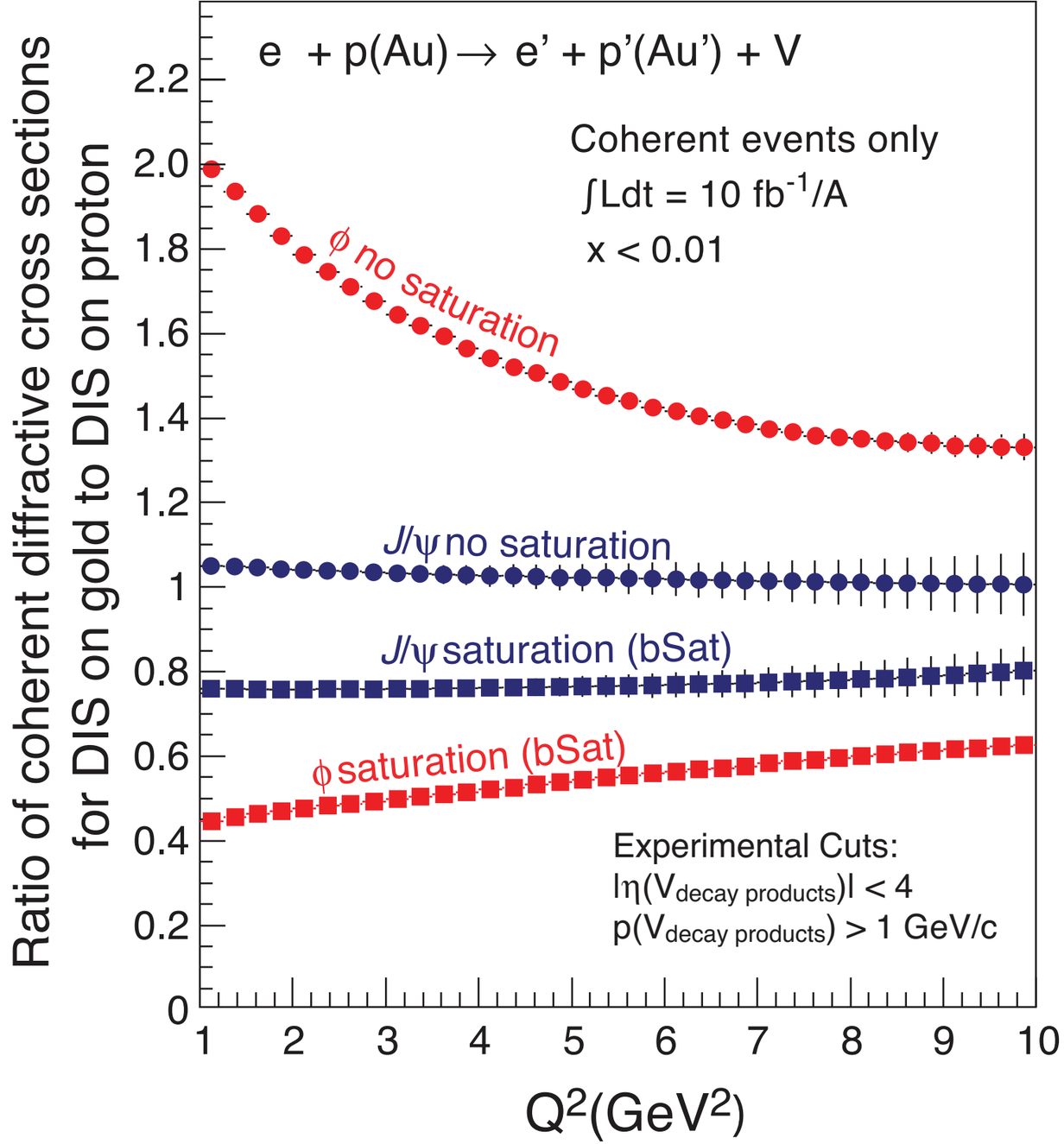

$Q^2 = 5$ GeV^2
$x = 1\times10^{-3}$
$\int Ldt = 1$ fb^{-1}/A
saturation model
shadowing model (LTS)
Ratio of diffractive-to-total cross-section for eAu over that in ep
M_X^2 (GeV^2)


e + p(Au) → e' + p'(Au') + V
Coherent events only
$\int Ldt = 10$ fb^{-1}/A
$x < 0.01$
ϕ no saturation
J/ψ no saturation
J/ψ saturation (bSat)
ϕ saturation (bSat)
Experimental Cuts:
$|\eta(V_{decay\ products})| < 4$
$p(V_{decay\ products}) > 1$ GeV/c
Ratio of coherent diffractive cross sections for DIS on gold to DIS on proton
Q^2(GeV^2)