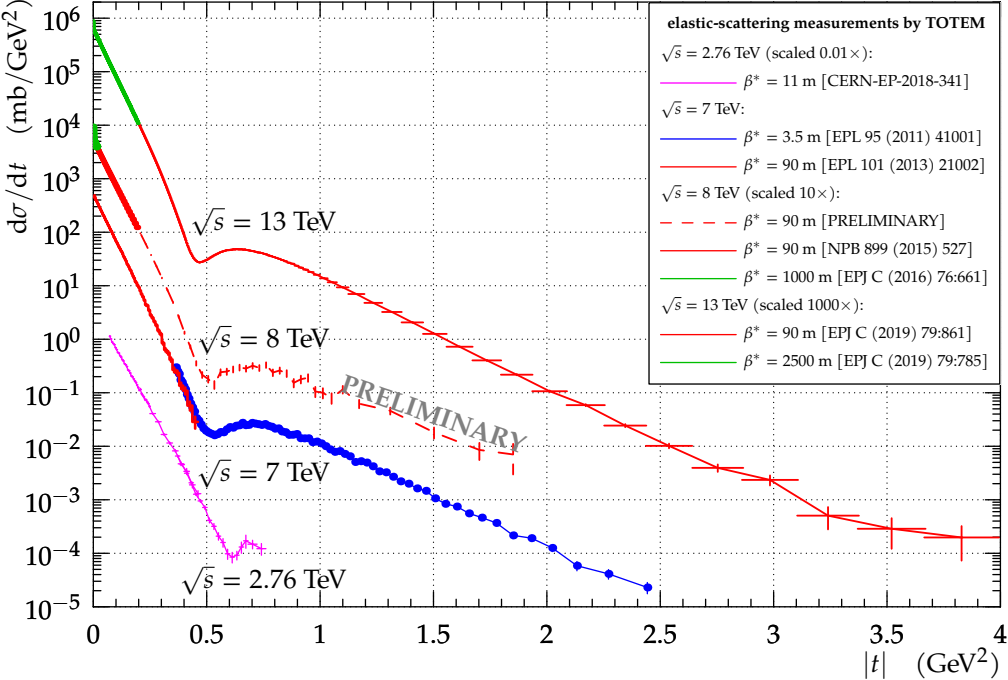
elastic-scattering measurements by TOTEM
$\sqrt{s}$ = 2.76 TeV (scaled 0.01×):
β^* = 11 m [CERN-EP-2018-341]
$\sqrt{s}$ = 7 TeV:
β^* = 3.5 m [EPL 95 (2011) 41001]
β^* = 90 m [EPL 101 (2013) 21002]
$\sqrt{s}$ = 8 TeV (scaled 10×):
β^* = 90 m [PRELIMINARY]
β^* = 90 m [NPB 899 (2015) 527]
β^* = 1000 m [EPJ C (2016) 76:661]
$\sqrt{s}$ = 13 TeV (scaled 1000×):
β^* = 90 m [EPJ C (2019) 79:861]
β^* = 2500 m [EPJ C (2019) 79:785]
$\sqrt{s}$ = 13 TeV
$\sqrt{s}$ = 8 TeV
$\sqrt{s}$ = 7 TeV
$\sqrt{s}$ = 2.76 TeV
PRELIMINARY
$d\sigma/dt$ (mb/GeV^2)
$|t|$ (GeV^2)
10^6
10^5
10^4
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
0.5
1
1.5
2
2.5
3
3.5
4