High Energy Physics | TMD Plotter

HELMHOLTZ GEMEINSCHAFT

Using the form below you can calculate, in real time, values of xA(x,kt,p) for any of the TMDs. You can also generate and compare plots of xA(x,kt,p) vrs x and vrs kt^2 at any p^2 for up to 4 different parton types or PDFs.

Please click one of the buttons to generate the according form for the TMD Plotter:

Plot TMD (x, fixed kt) | Plot TMD (fixed x, kt)

Plot uPDF as a function of kt^2 in range

kt^2_{min} = 0.01 GeV^2 , kt^2_{max} = 100. GeV^2

y_{min} = 0.00001 , y_{max} = 100.0

at x = 0.001

at p^2 = 25. GeV^2

using dPDF, give LHAPDF identifier here: 10041

1 ☑ gluon

PDF: JH-2013-set1

scale-factor 1.0

2 ☑ gluon

PDF: GBW

scale-factor 1.0

3 ☐ gluon

PDF: JH-2013-set1

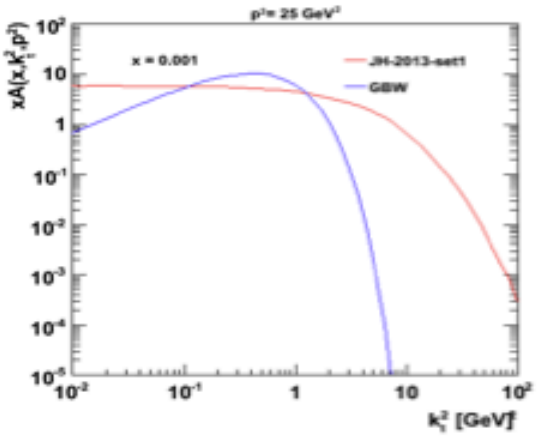
scale-factor 1.0

4 ☐ gluon

PDF: JH-2013-set1

scale-factor 1.0

Make the Plot/Calculation | Reset the Form



PHYSICS AT THE TERA SCALE Helmholtz Alliance | DESY