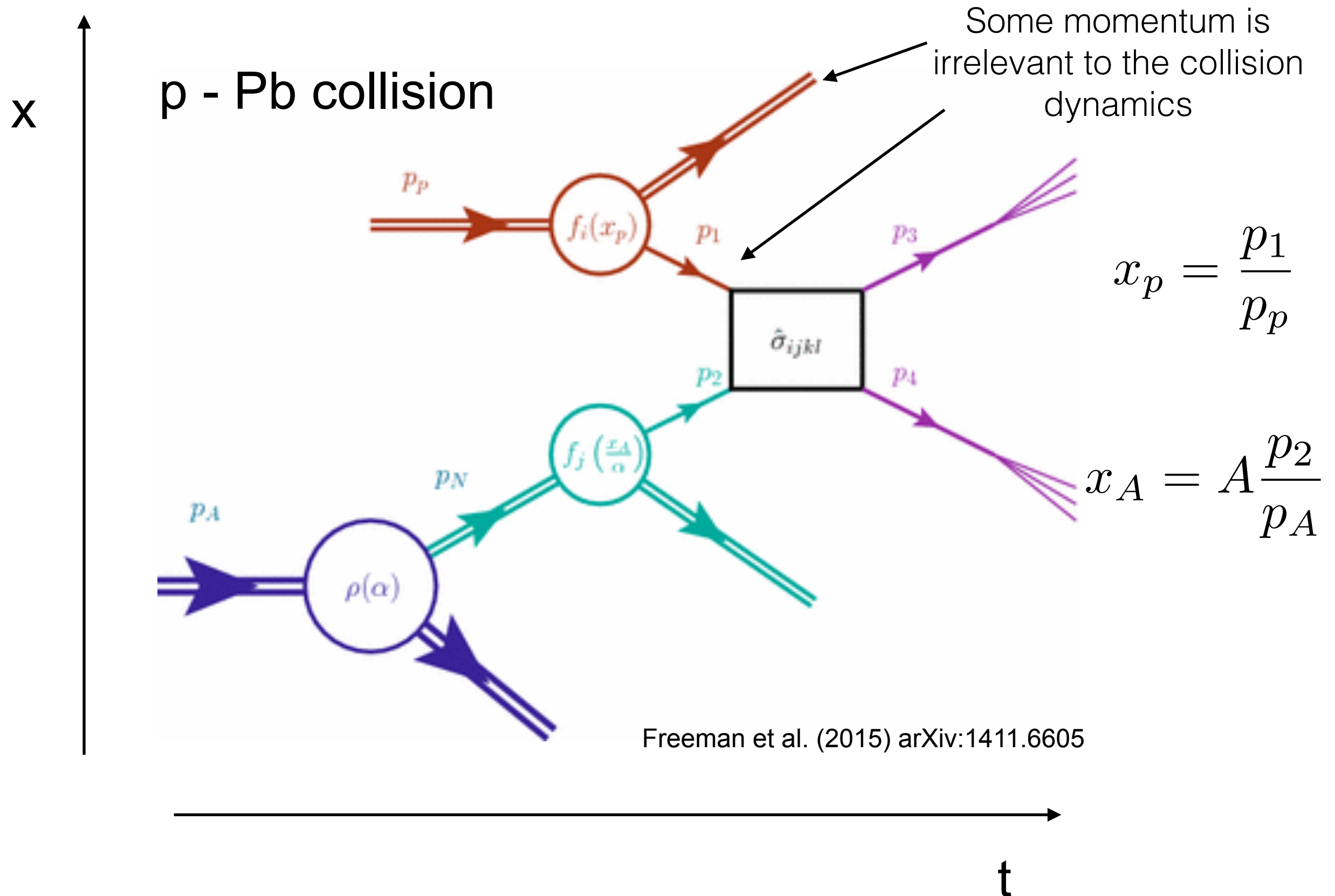
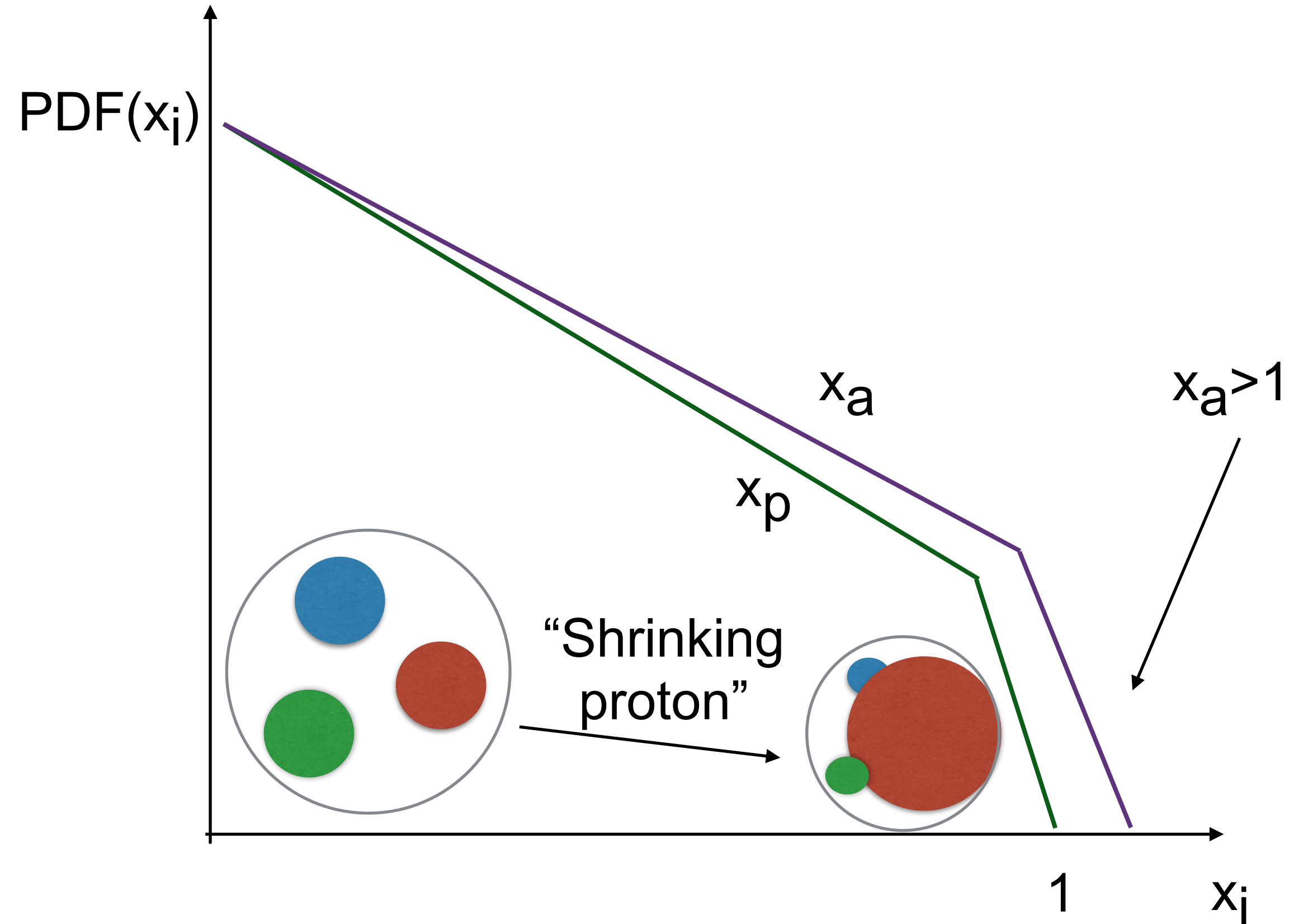
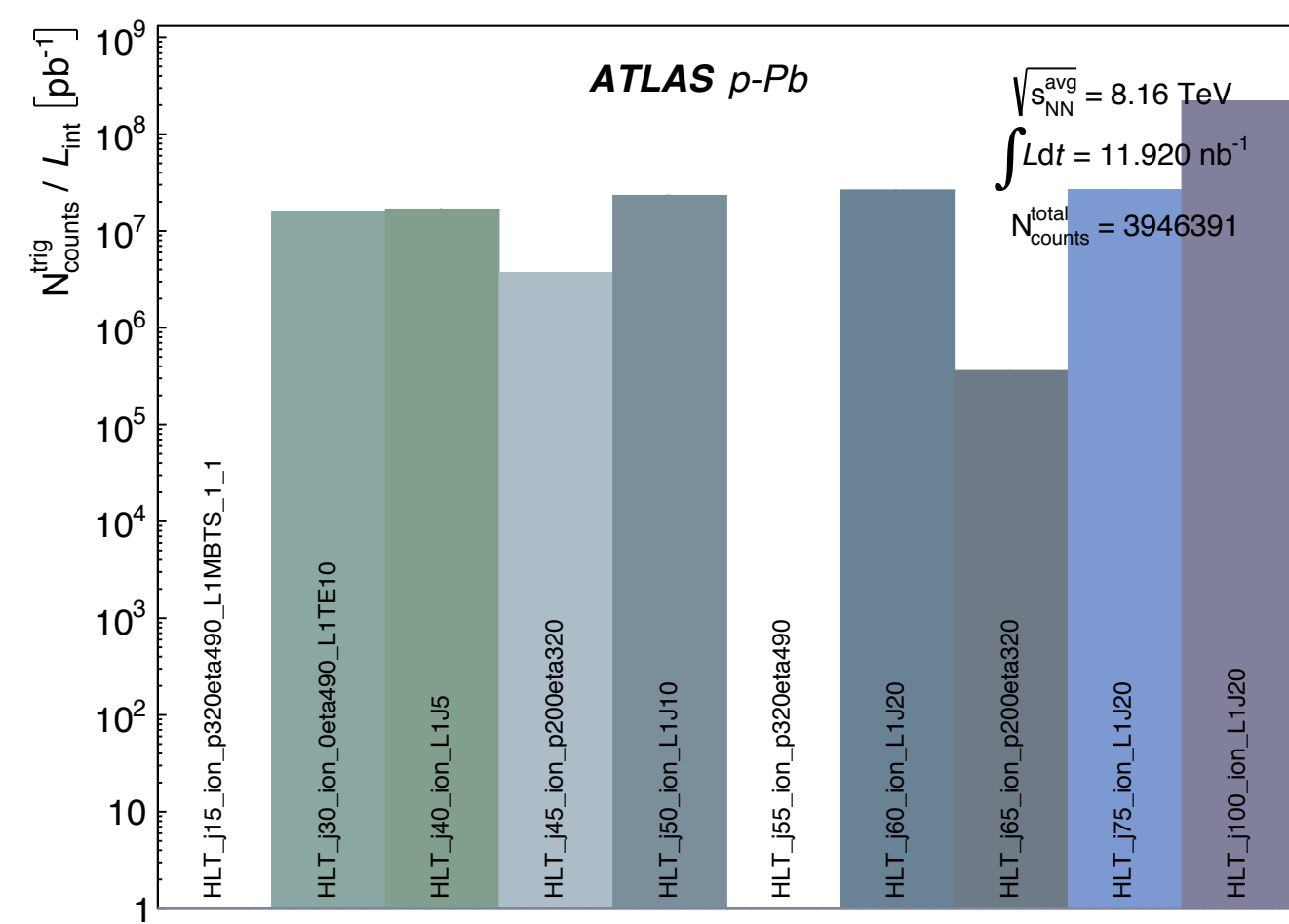


# Extracting PDFs from ATLAS p-Pb dijets

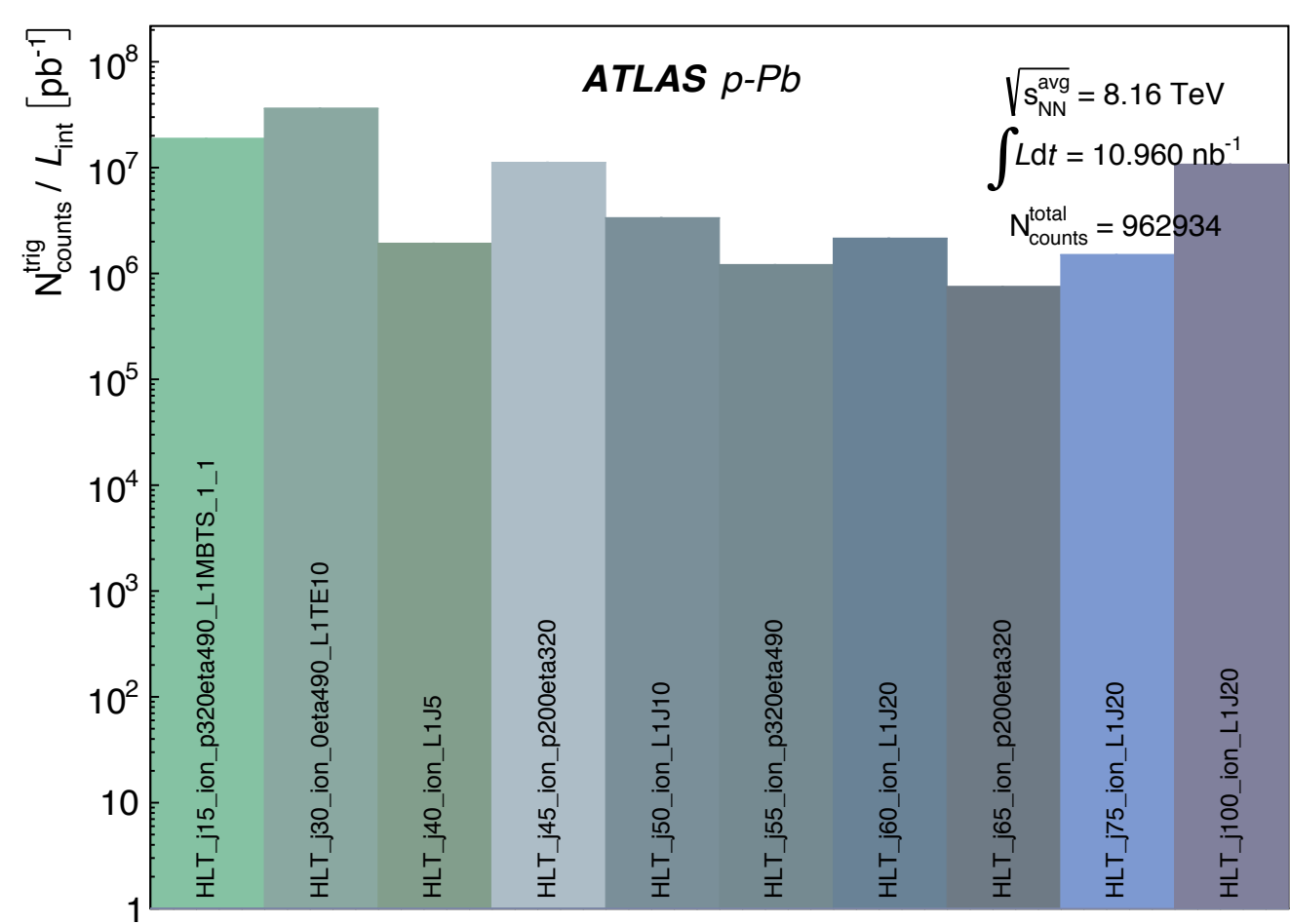


# Key Idea: “Superfast quarks”

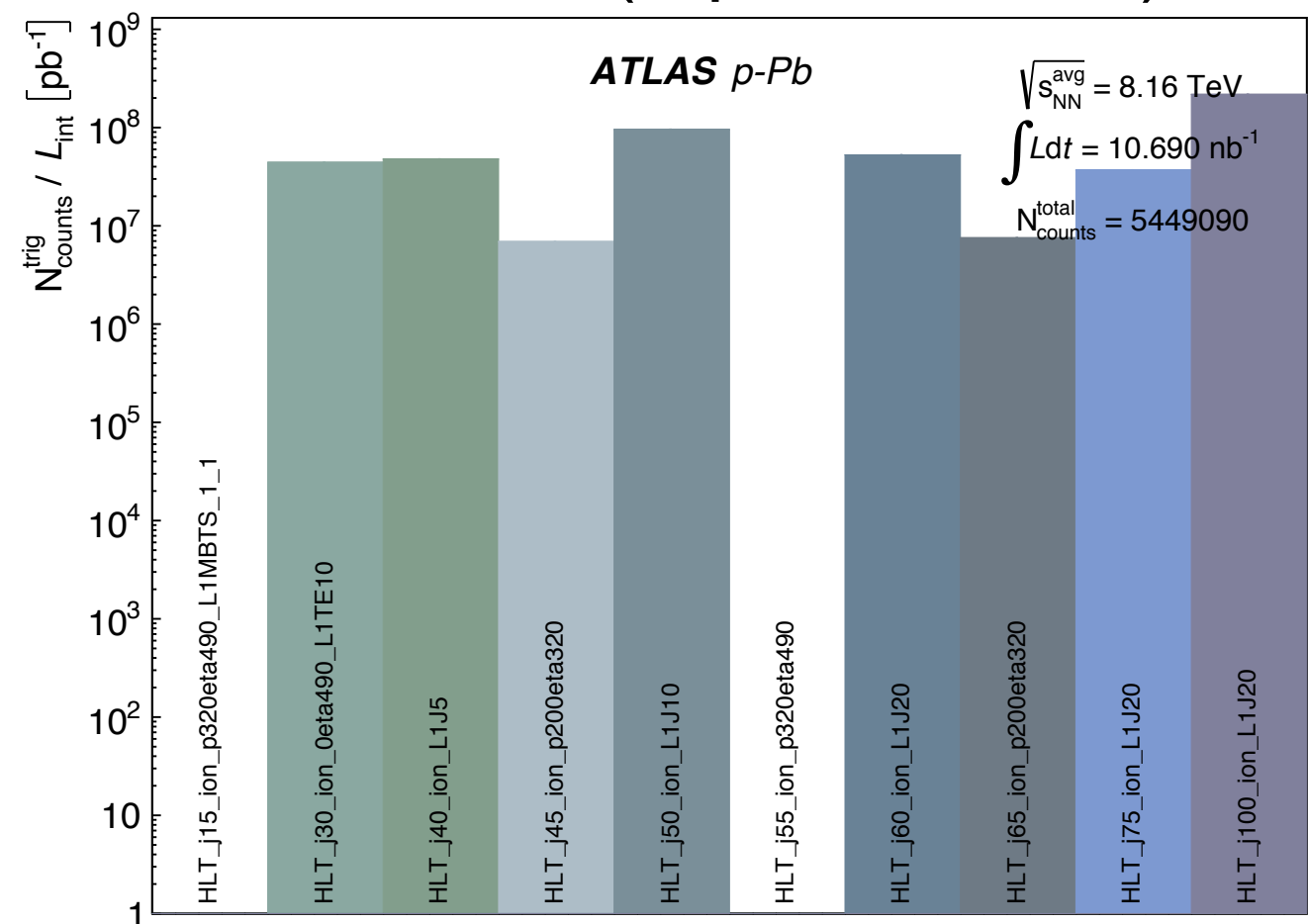




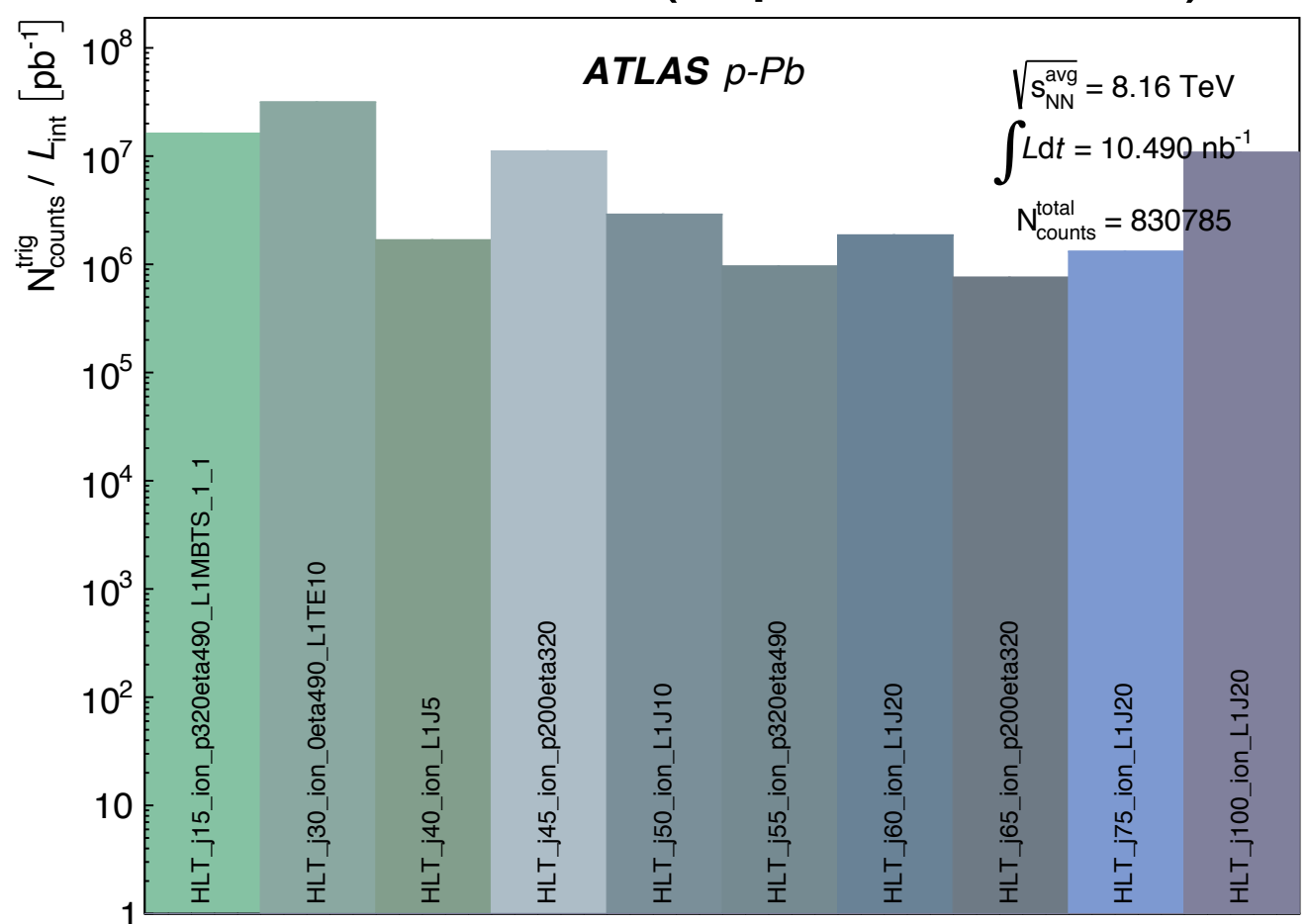
Period A (representative) Trigger



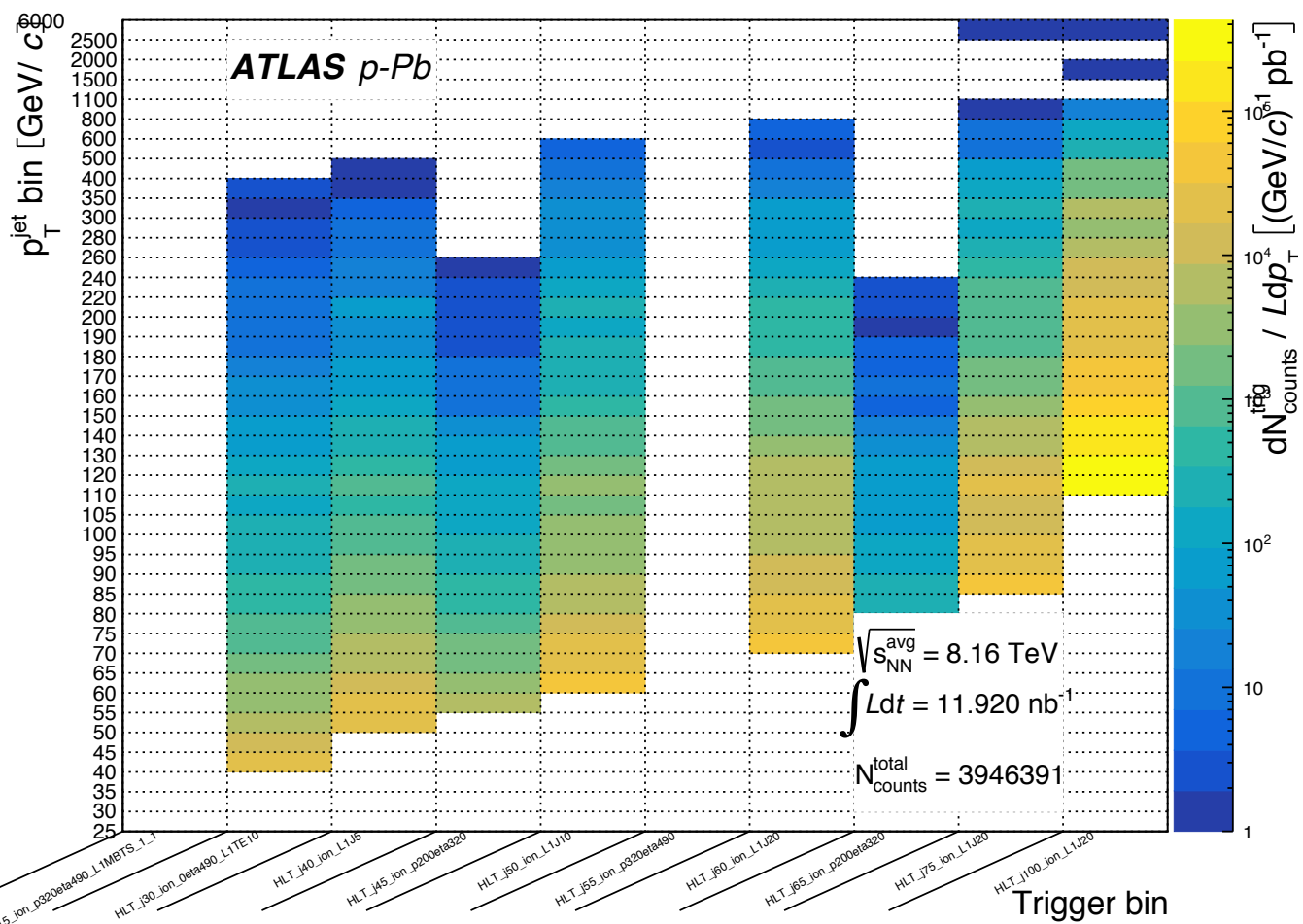
Period B (representative) Trigger



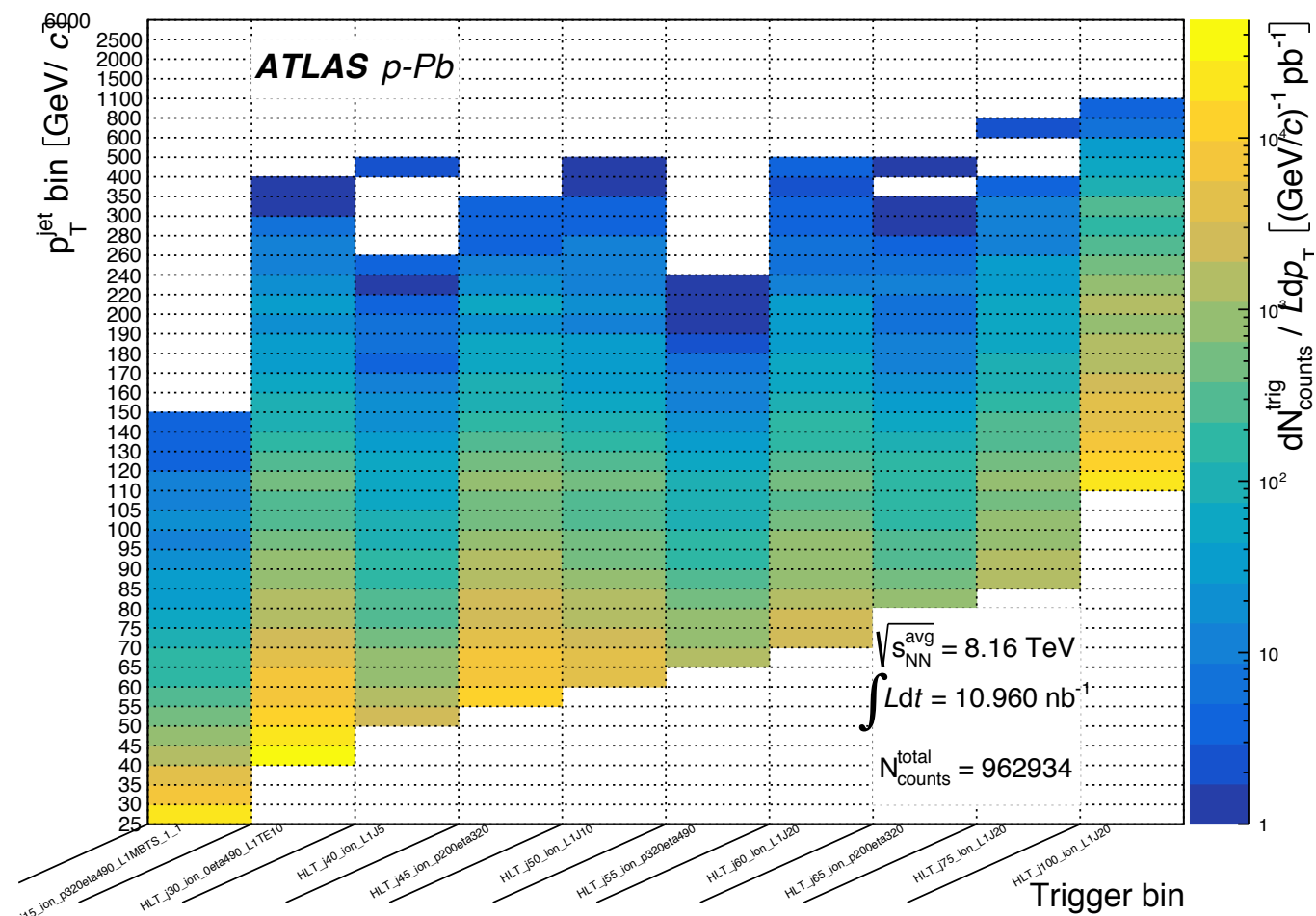
Trigger



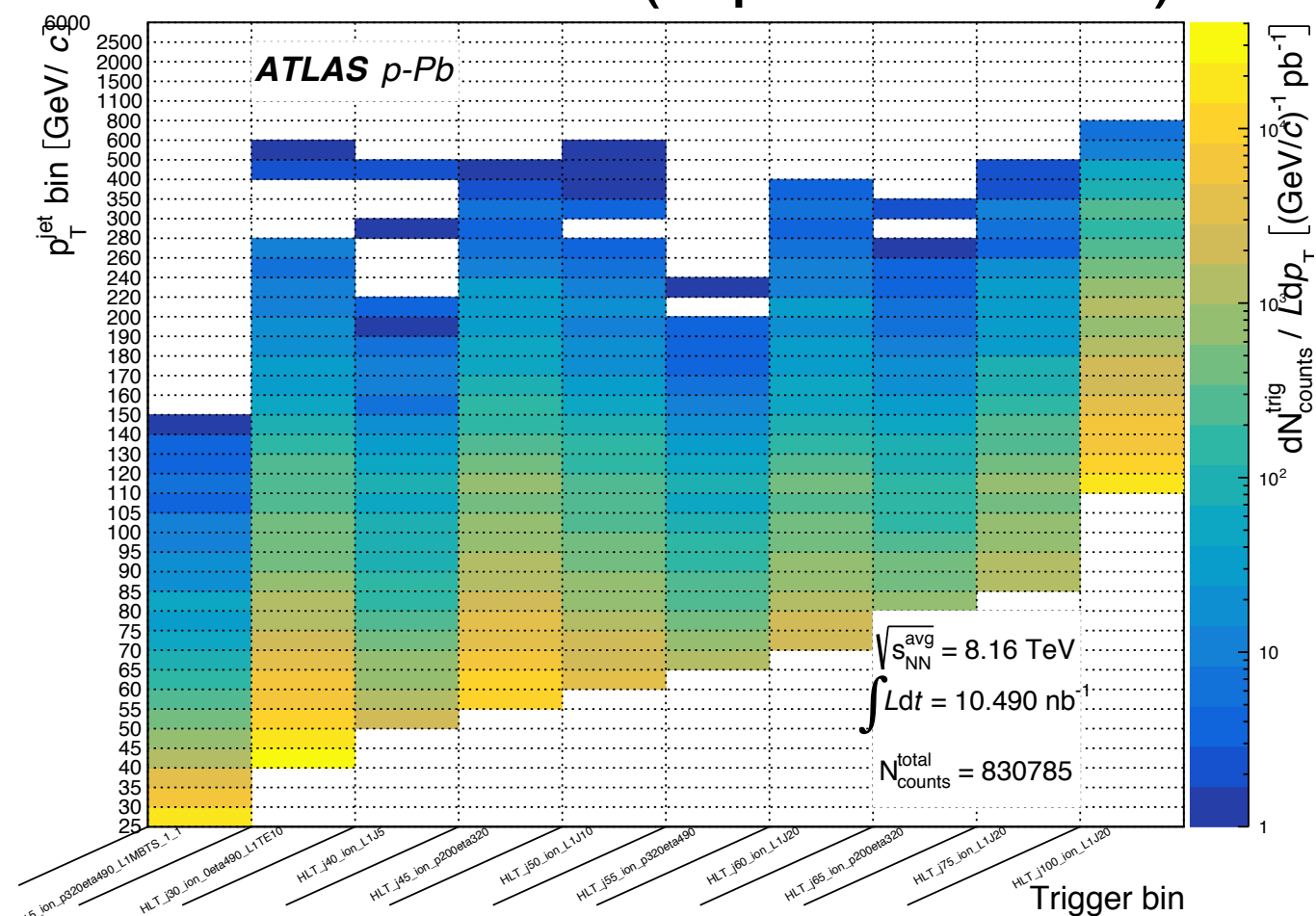
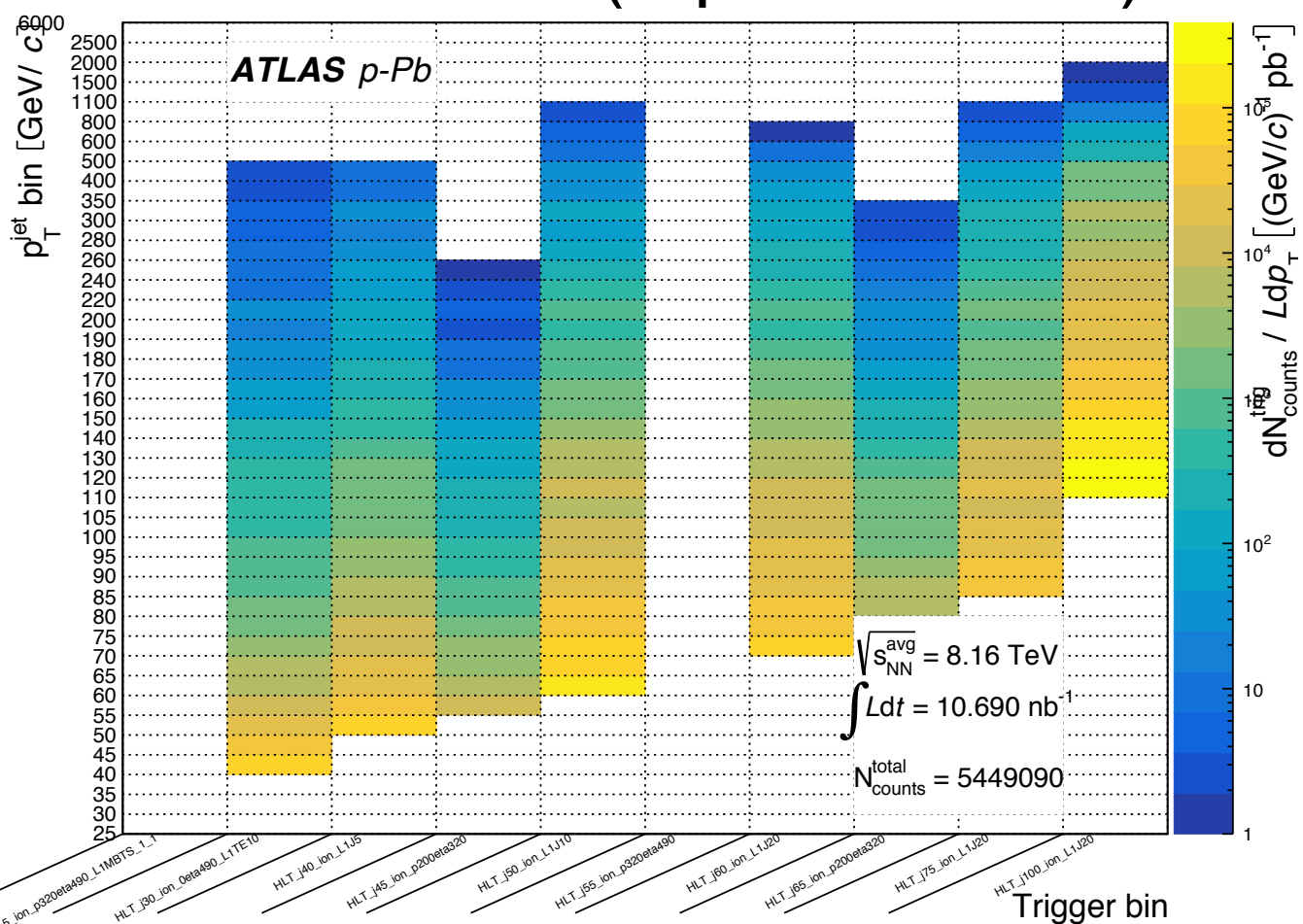
Trigger



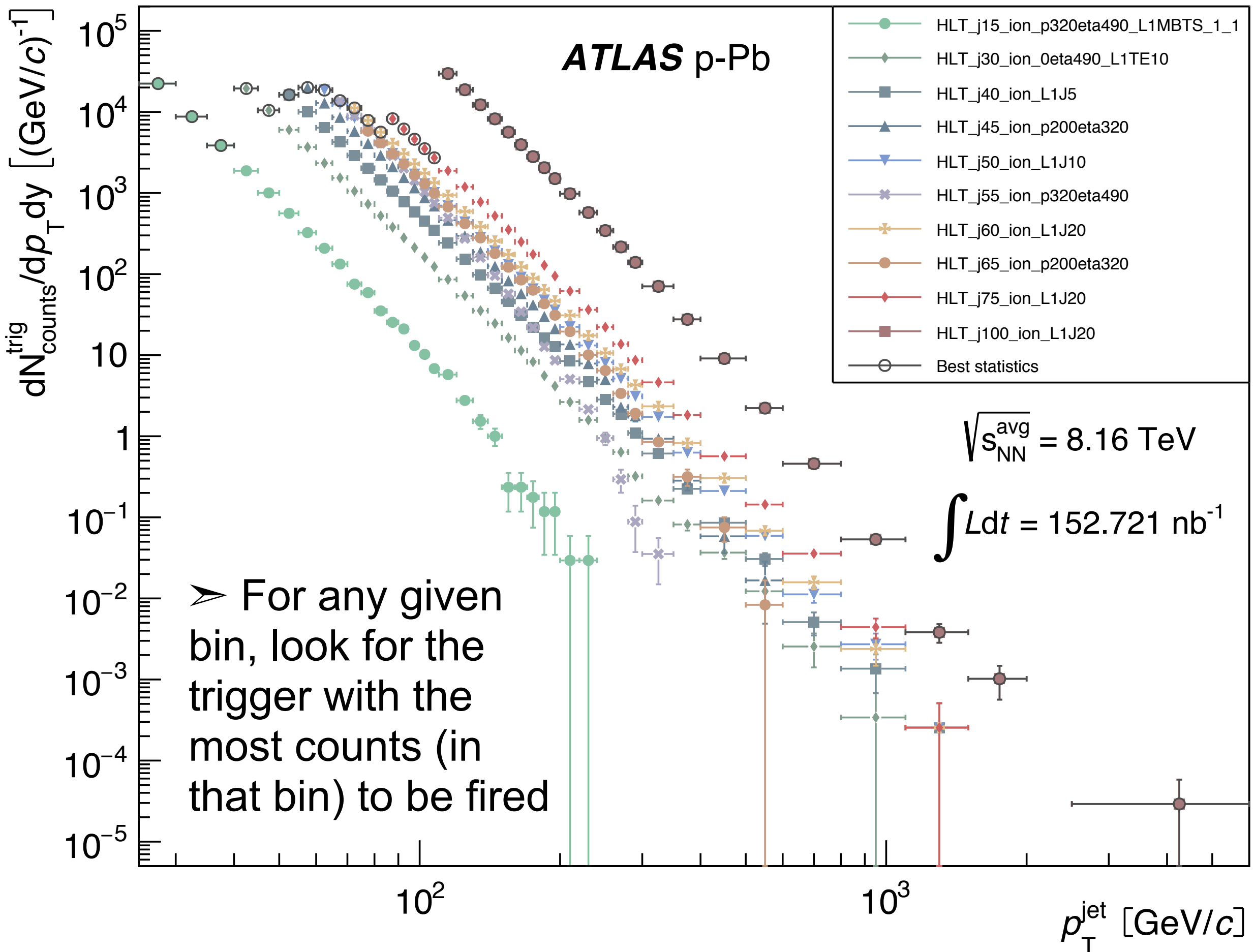
Period A (representative)



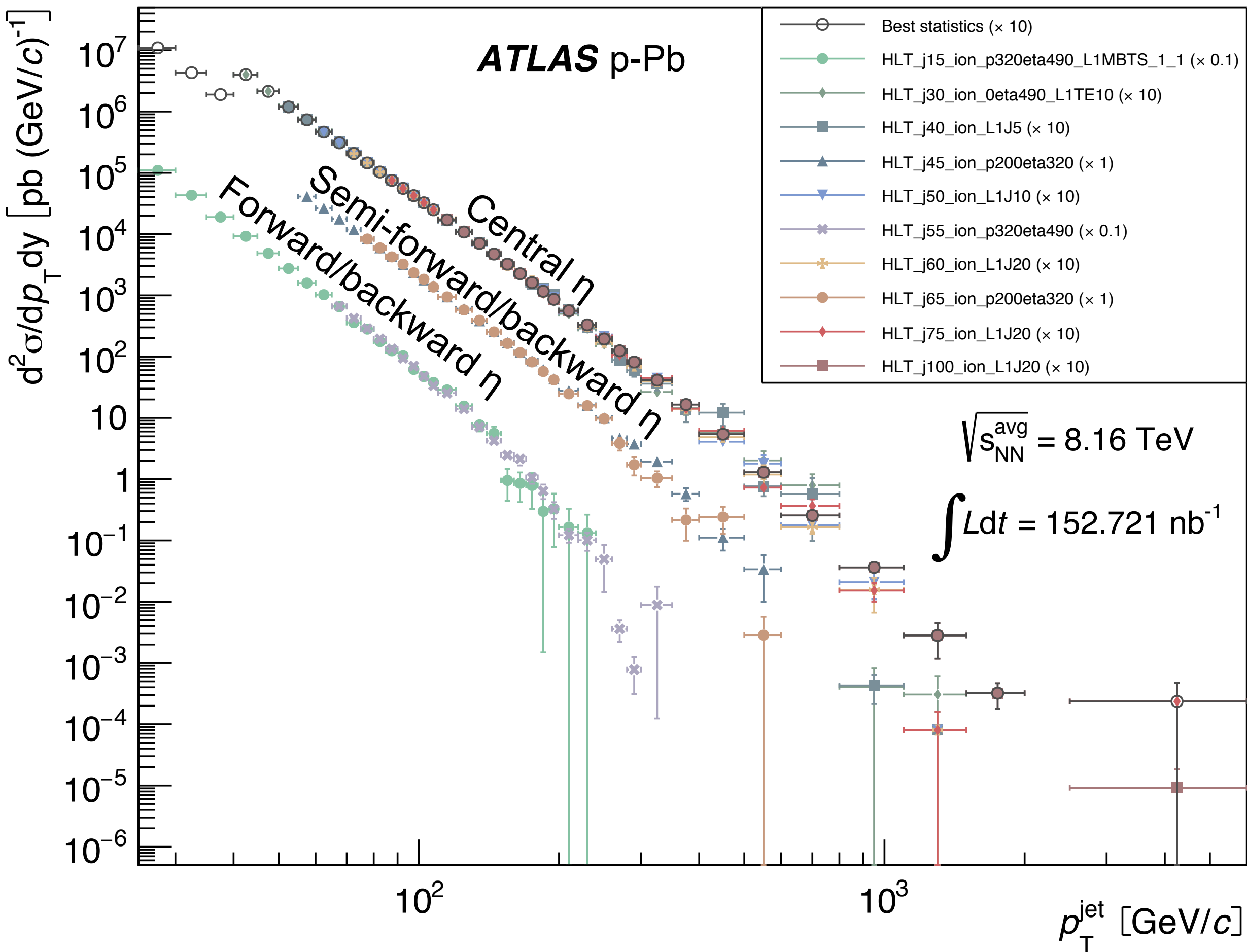
Period B (representative)



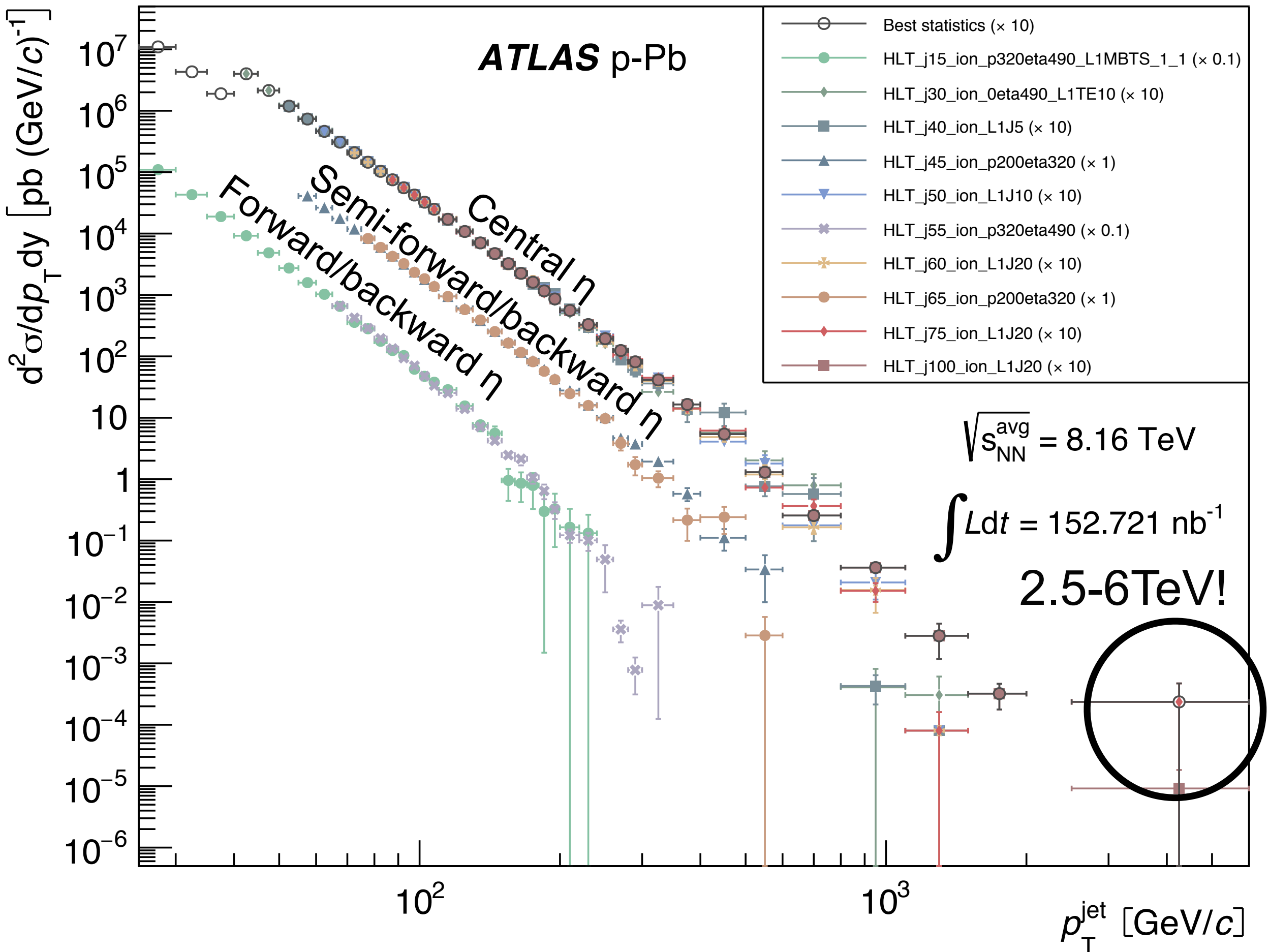
# Number of Trigger Firings



# Inclusive Jet $p_T$ Spectra per Trigger

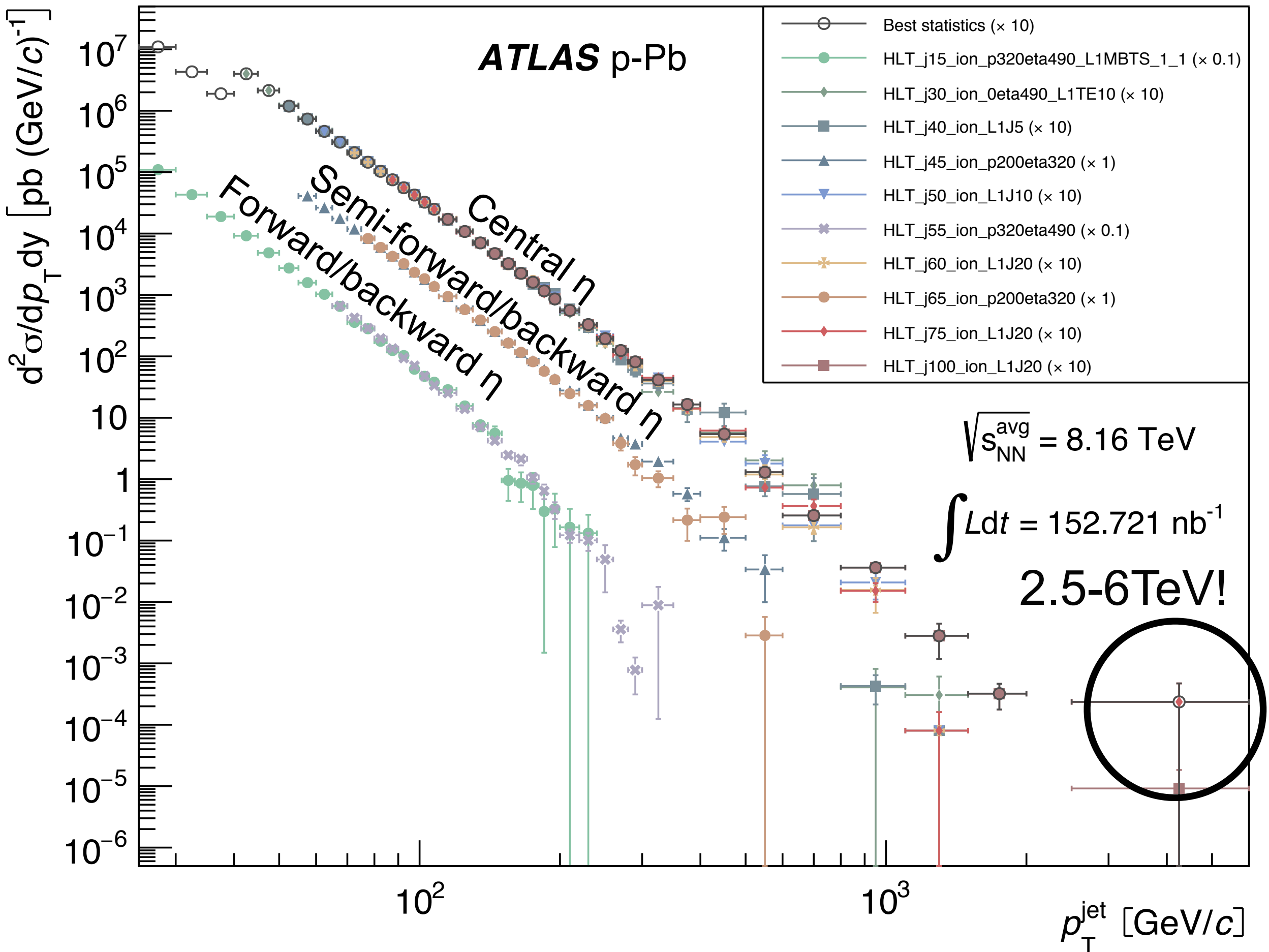


# Inclusive Jet $p_T$ Spectra per Trigger

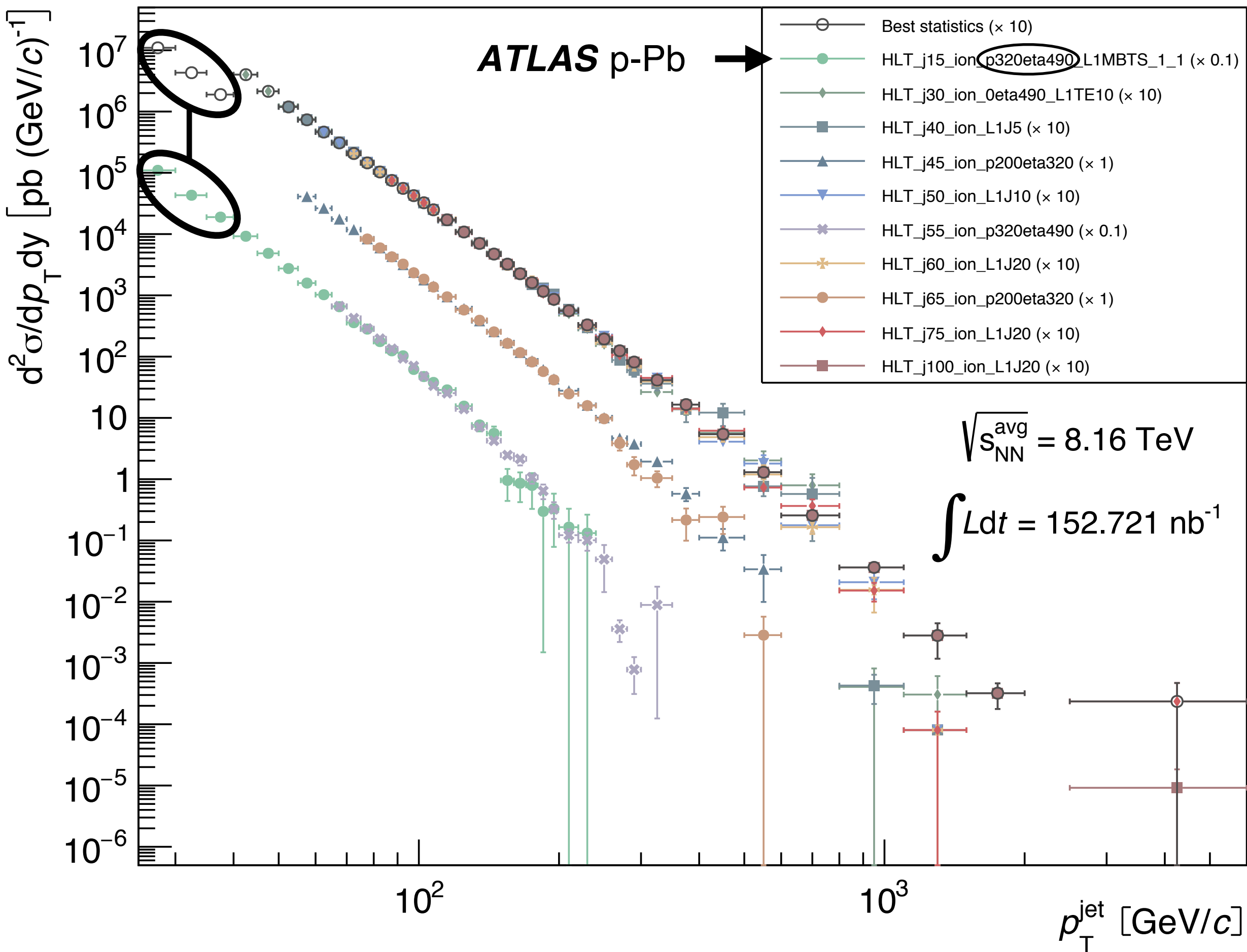




# Inclusive Jet $p_T$ Spectra per Trigger



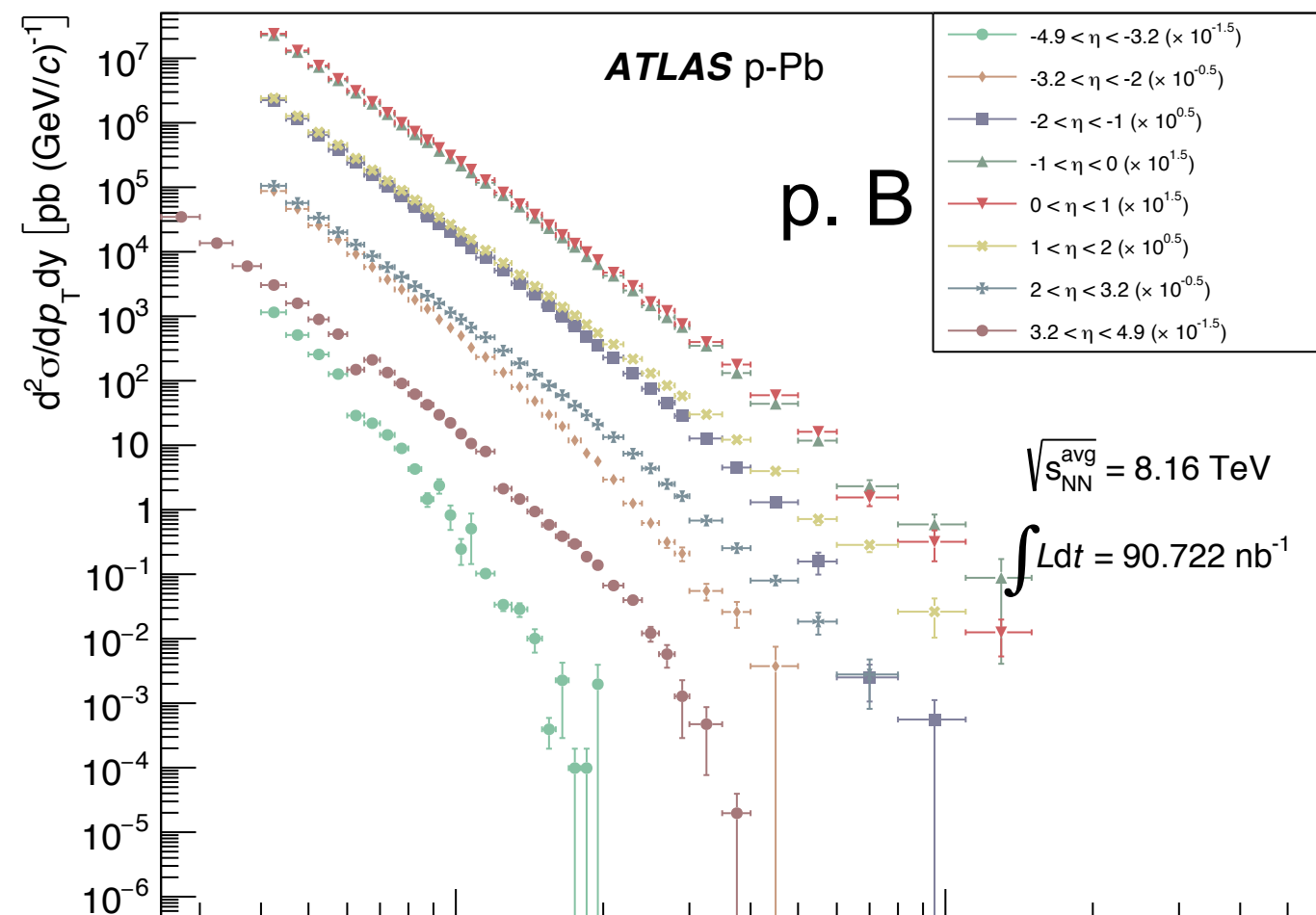
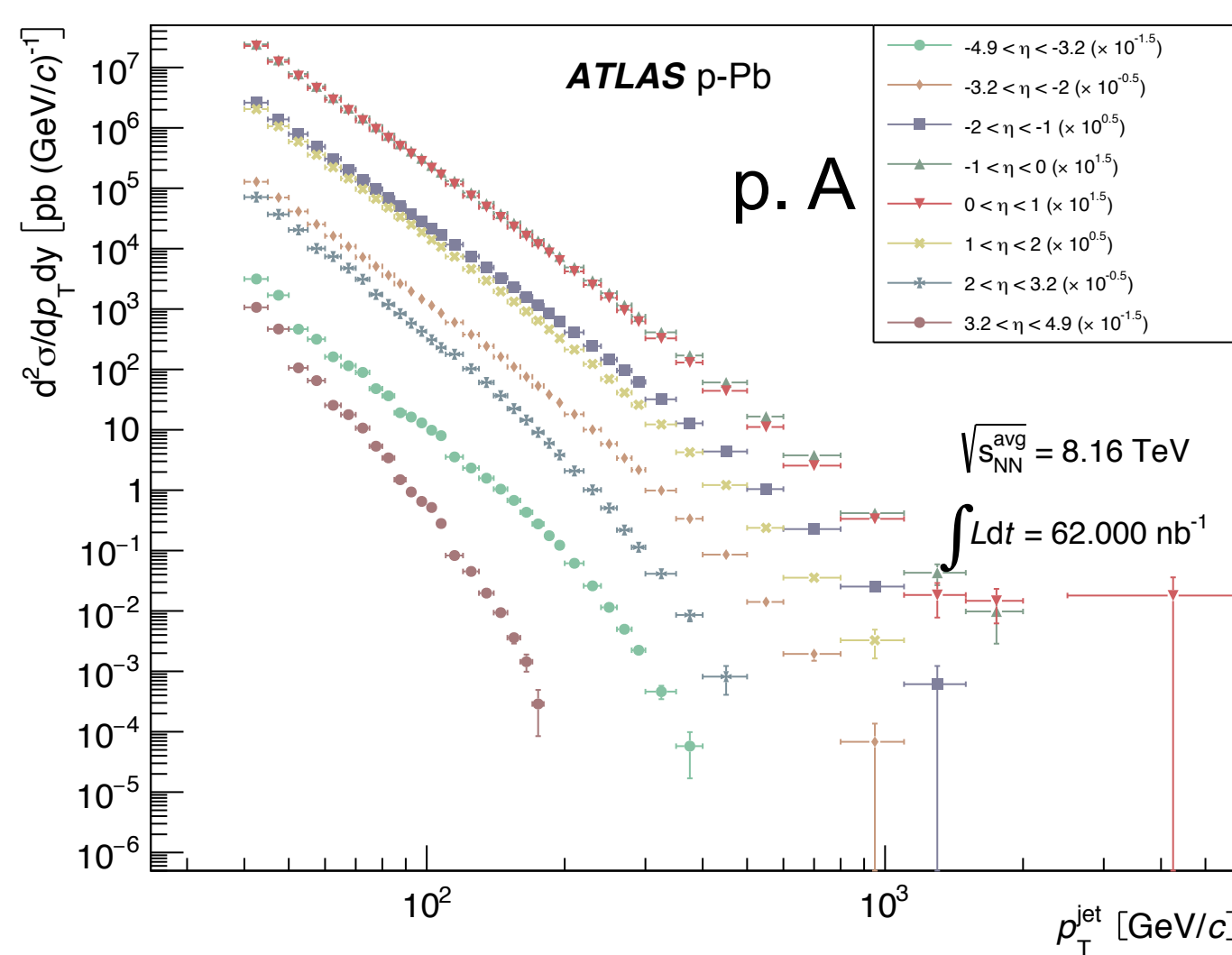
# Inclusive Jet $p_T$ Spectra per Trigger



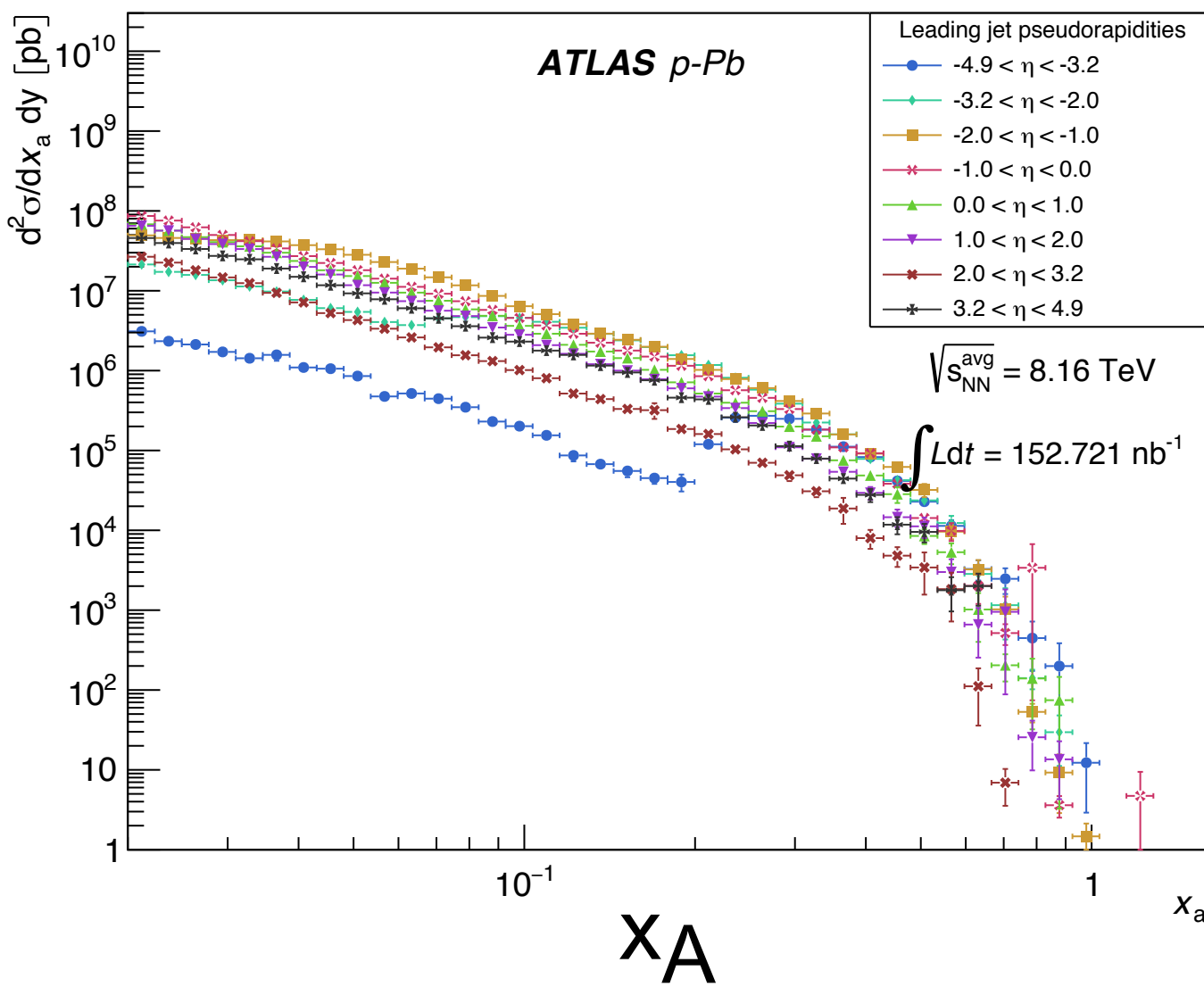
# Inclusive Jet $p_T$ Spectra binned in $\eta$

(Less luminosity,  
fewer triggers)

Kinematics reversed



(Higher luminosity,  
more triggers)

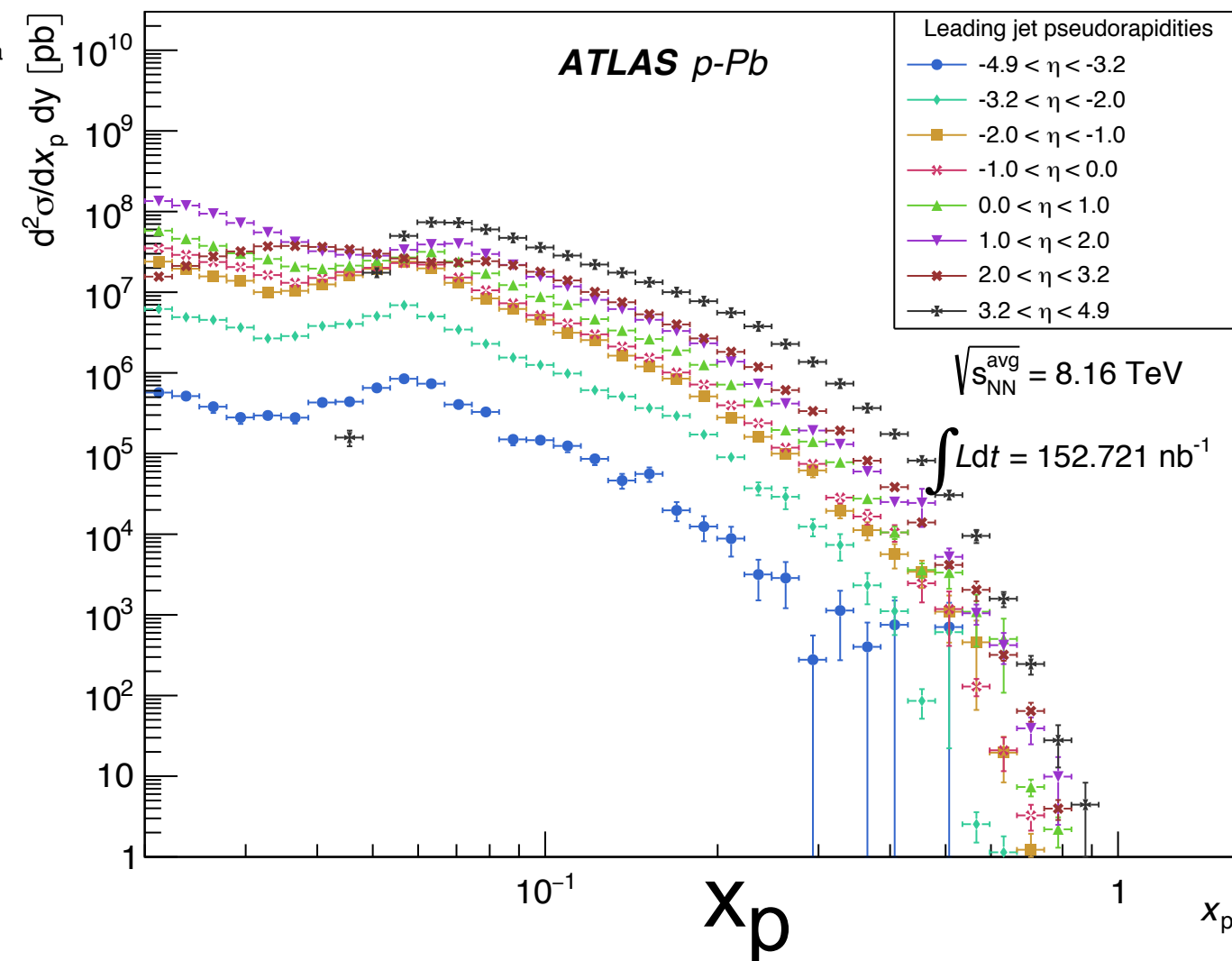


In Period B kinematics,

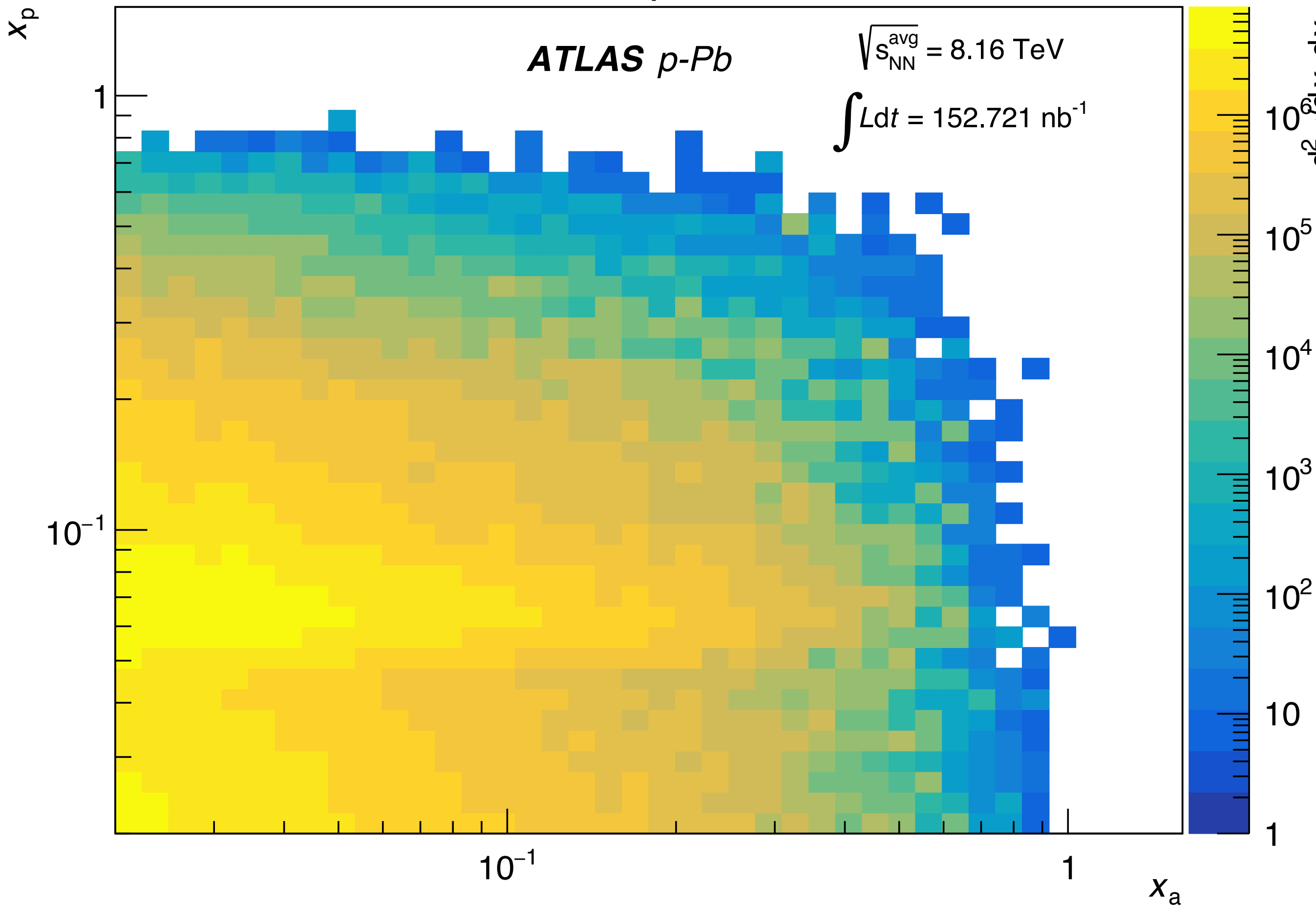
$$x_p = \frac{1}{\sqrt{s_{NN}^{avg}}} \sqrt{\frac{Z}{A}} (p_{T3} e^{\eta_3} + p_{T4} e^{\eta_4})$$

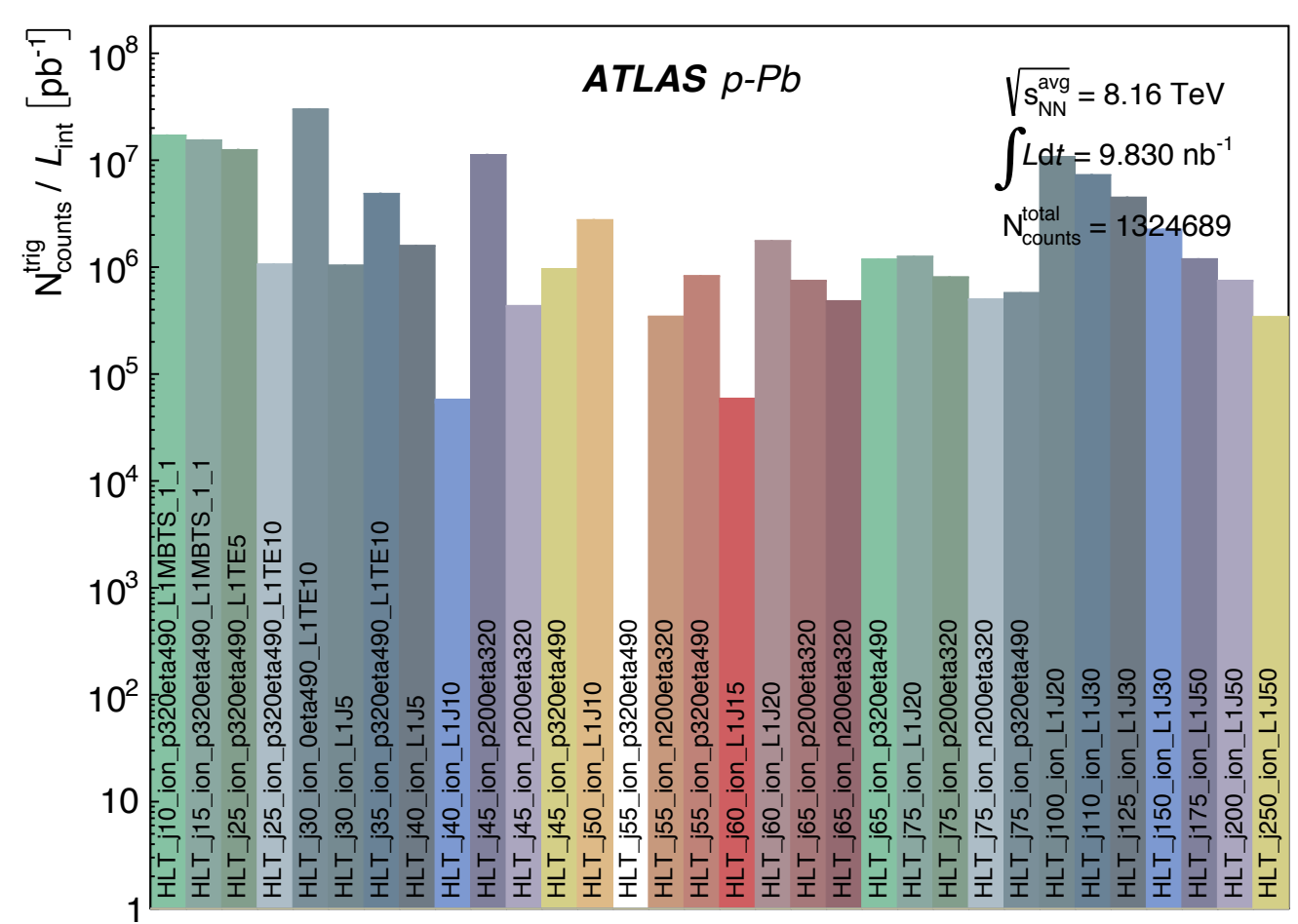
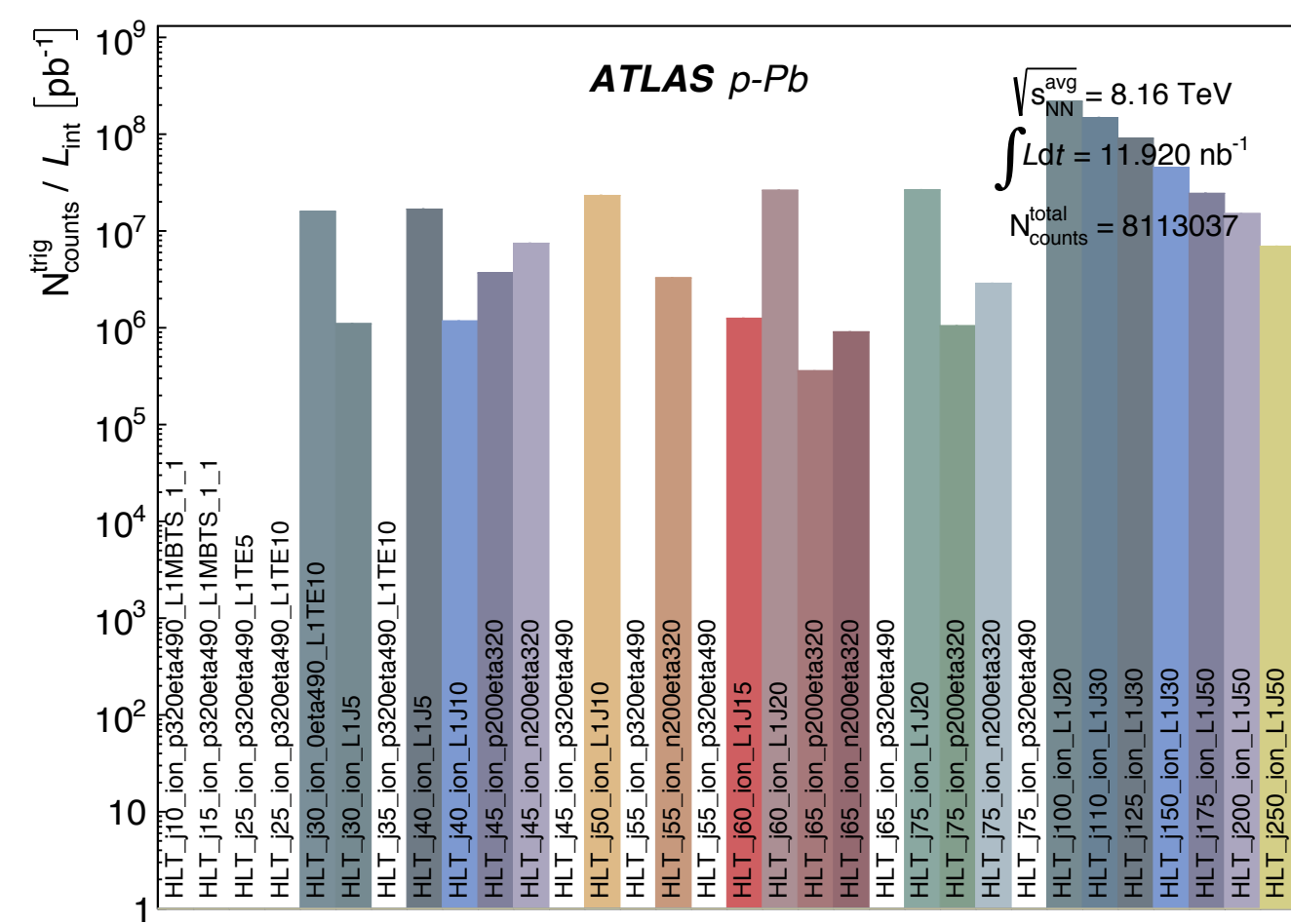
$$x_a = \frac{1}{\sqrt{s_{NN}^{avg}}} \sqrt{\frac{A}{Z}} (p_{T3} e^{-\eta_3} + p_{T4} e^{-\eta_4})$$

Dijet condition:  $\frac{p_T^{subleading}}{p_T^{leading}} \geq 0.7$

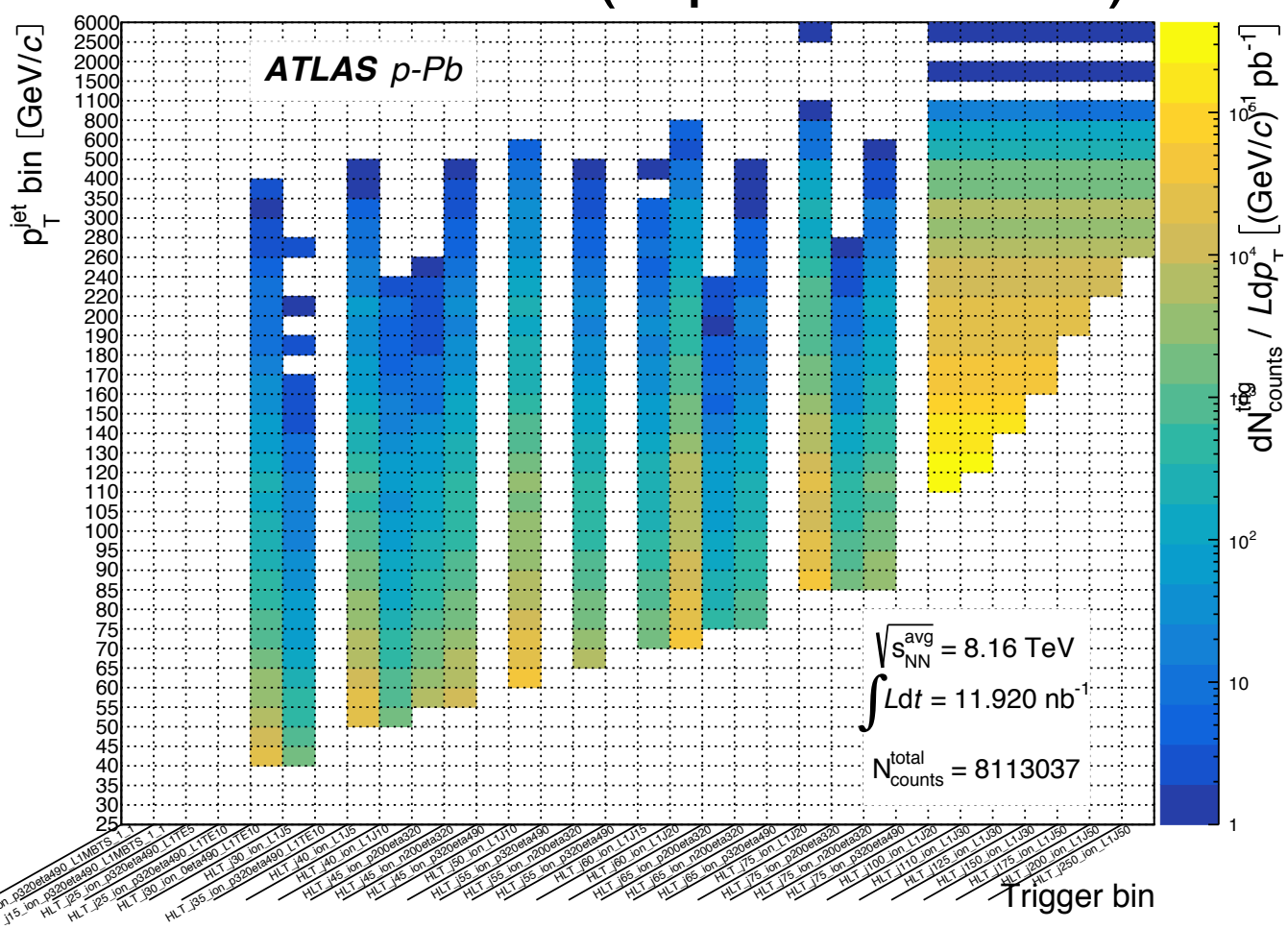


# Dijet $x_A$ - $x_p$ cross-correlation

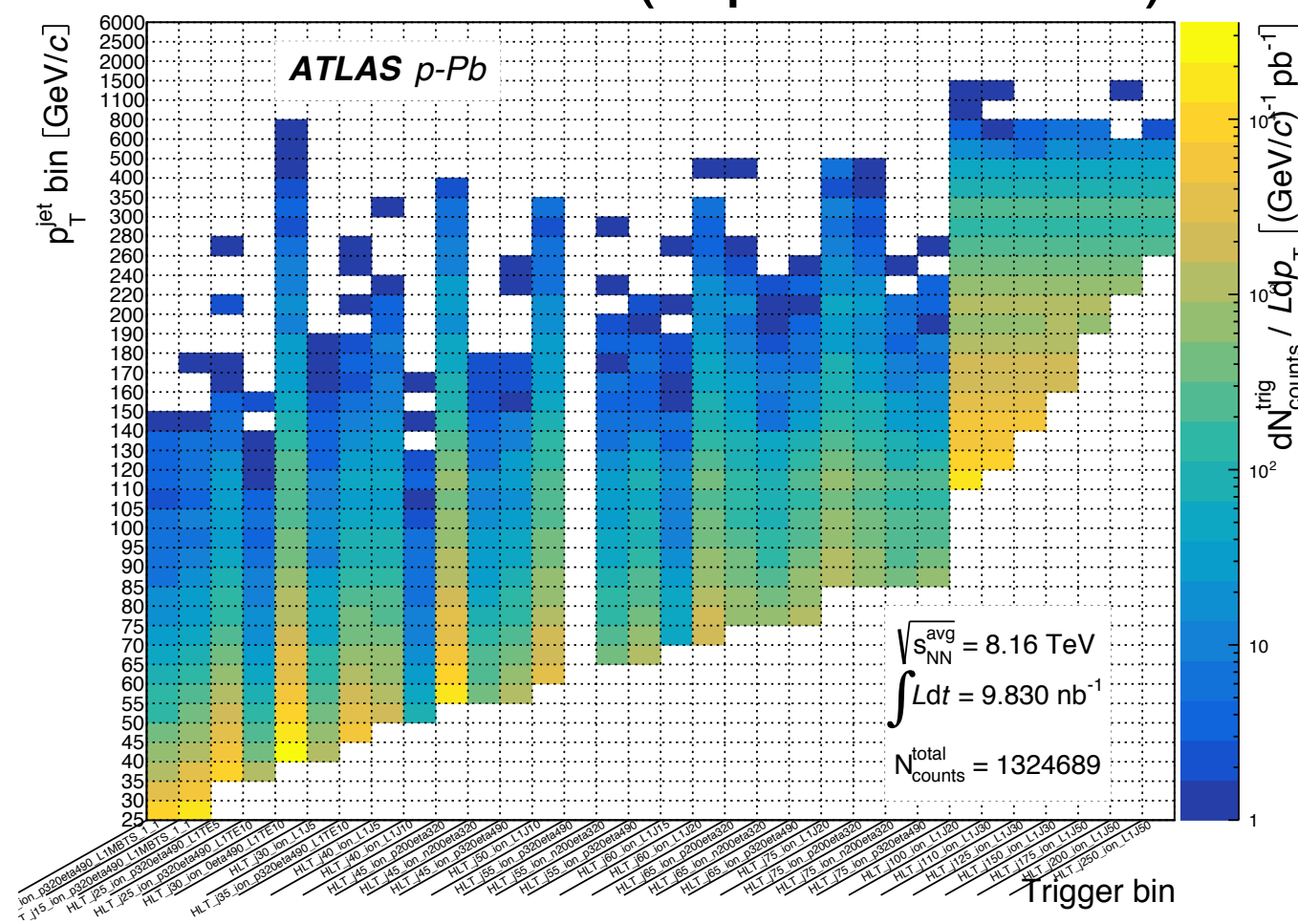




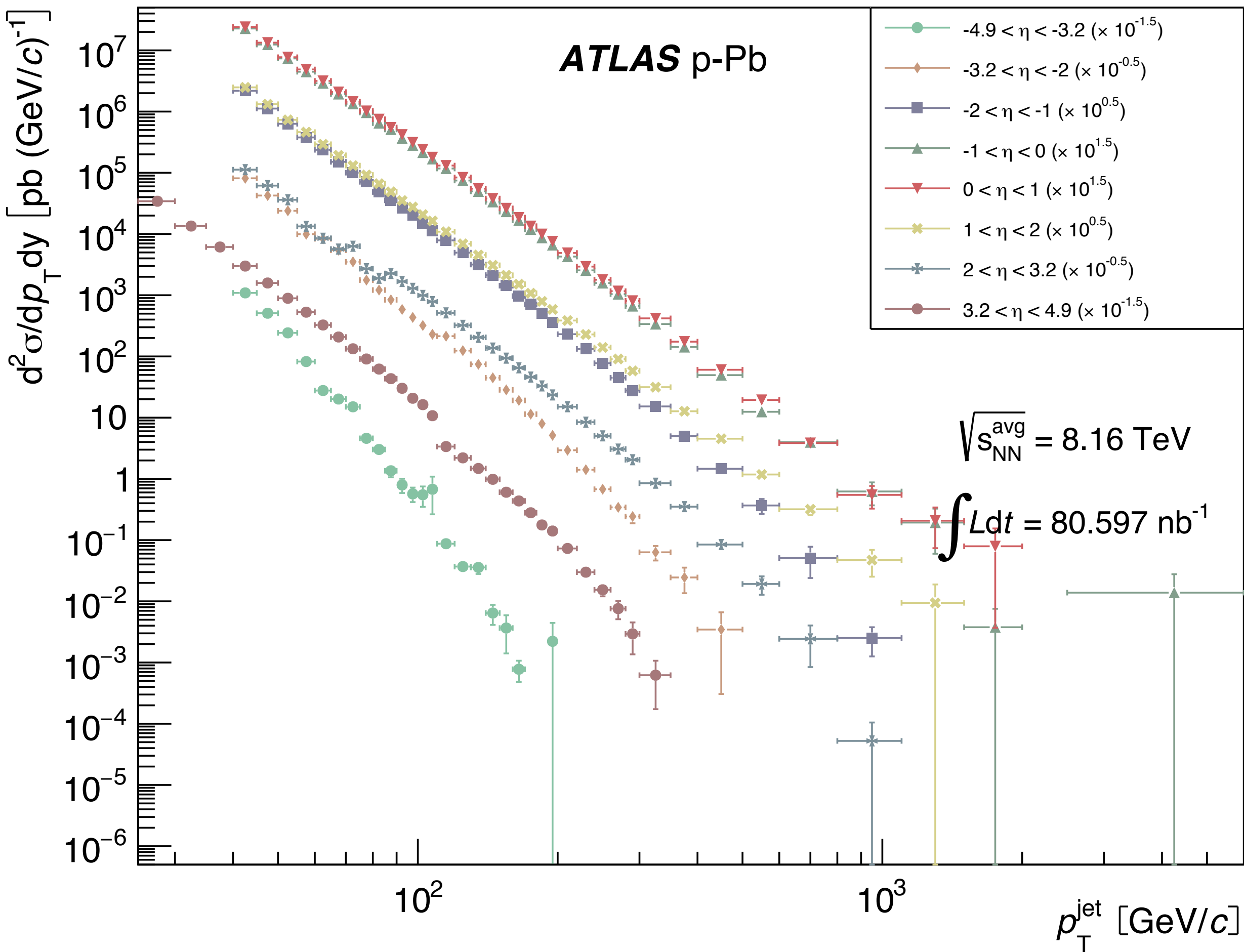
Period A (representative) <sup>Trigger</sup>



Period B (representative) <sup>Trigger</sup>

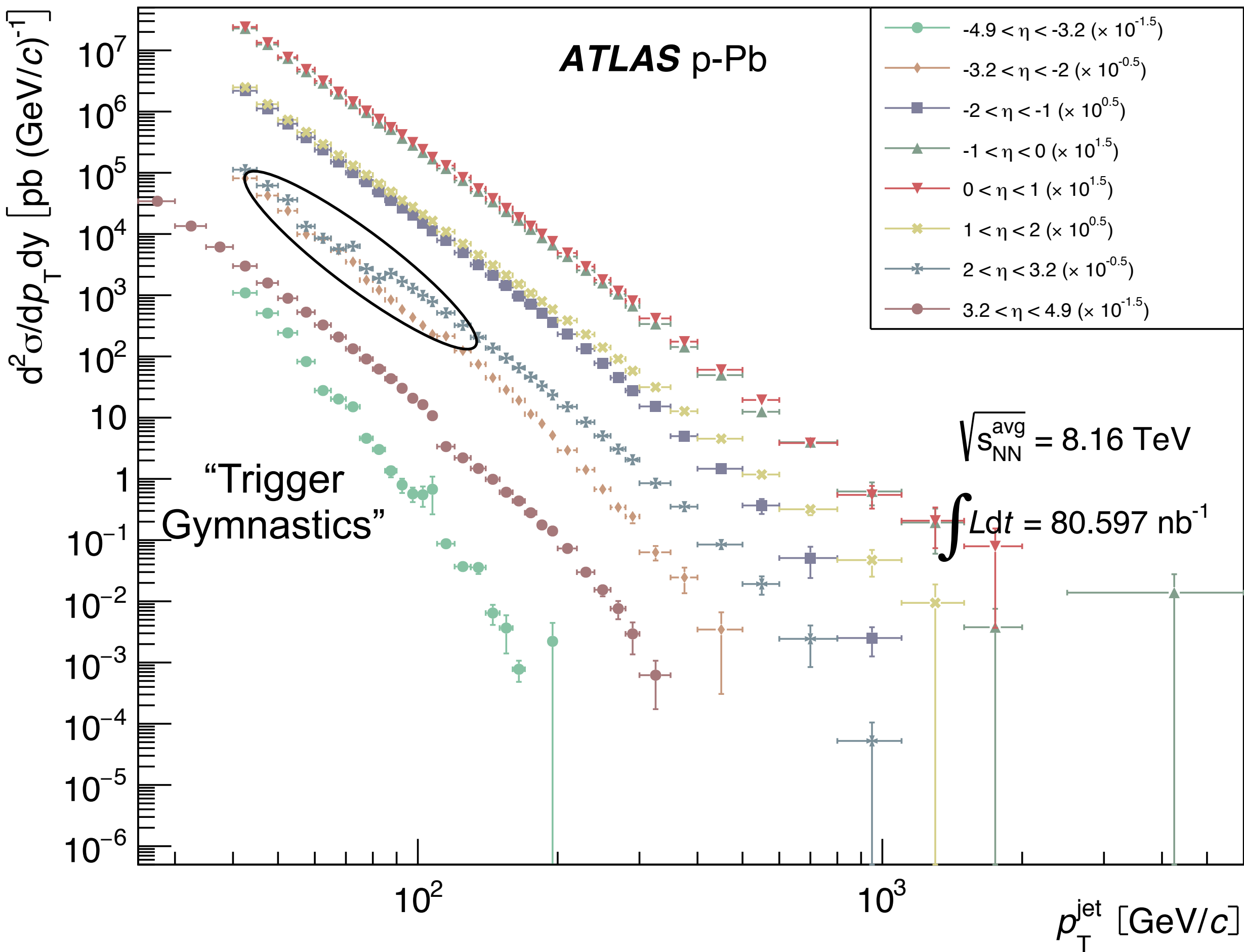


# Inclusive Jet $p_T$ Spectra binned in $\eta$





# Inclusive Jet $p_T$ Spectra binned in $\eta$





# Inclusive Jet $p_T$ Spectra binned in $\eta$

