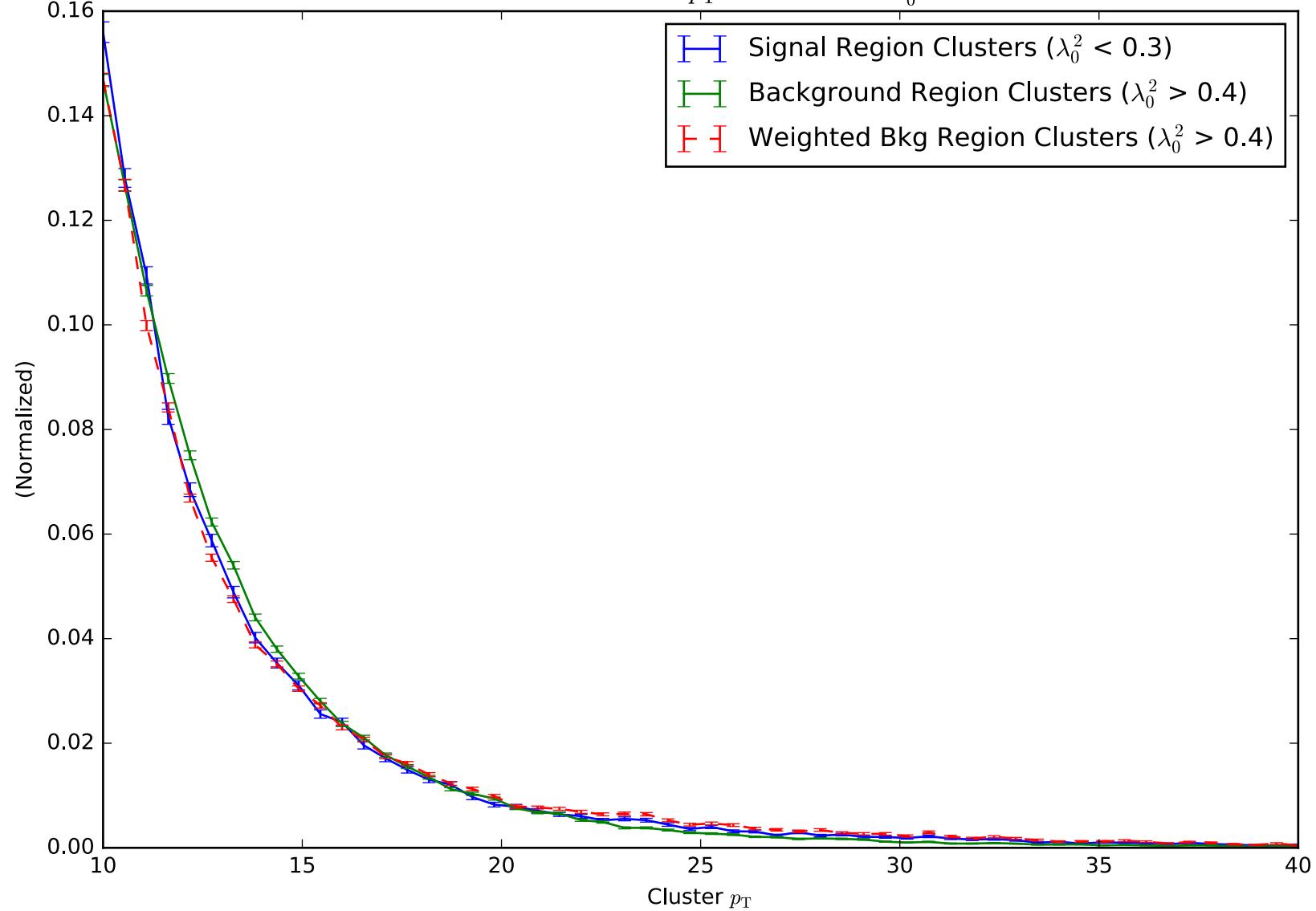
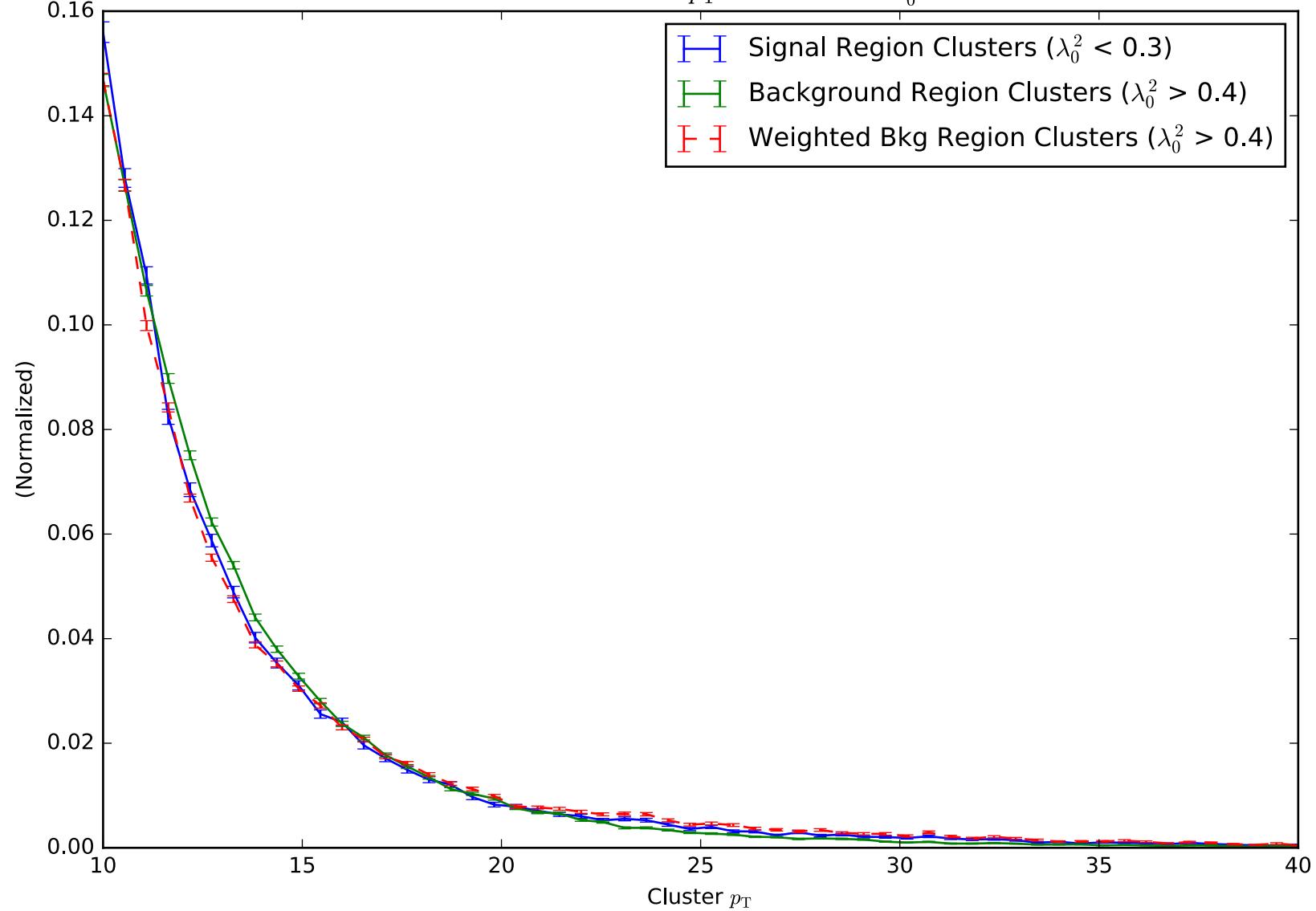
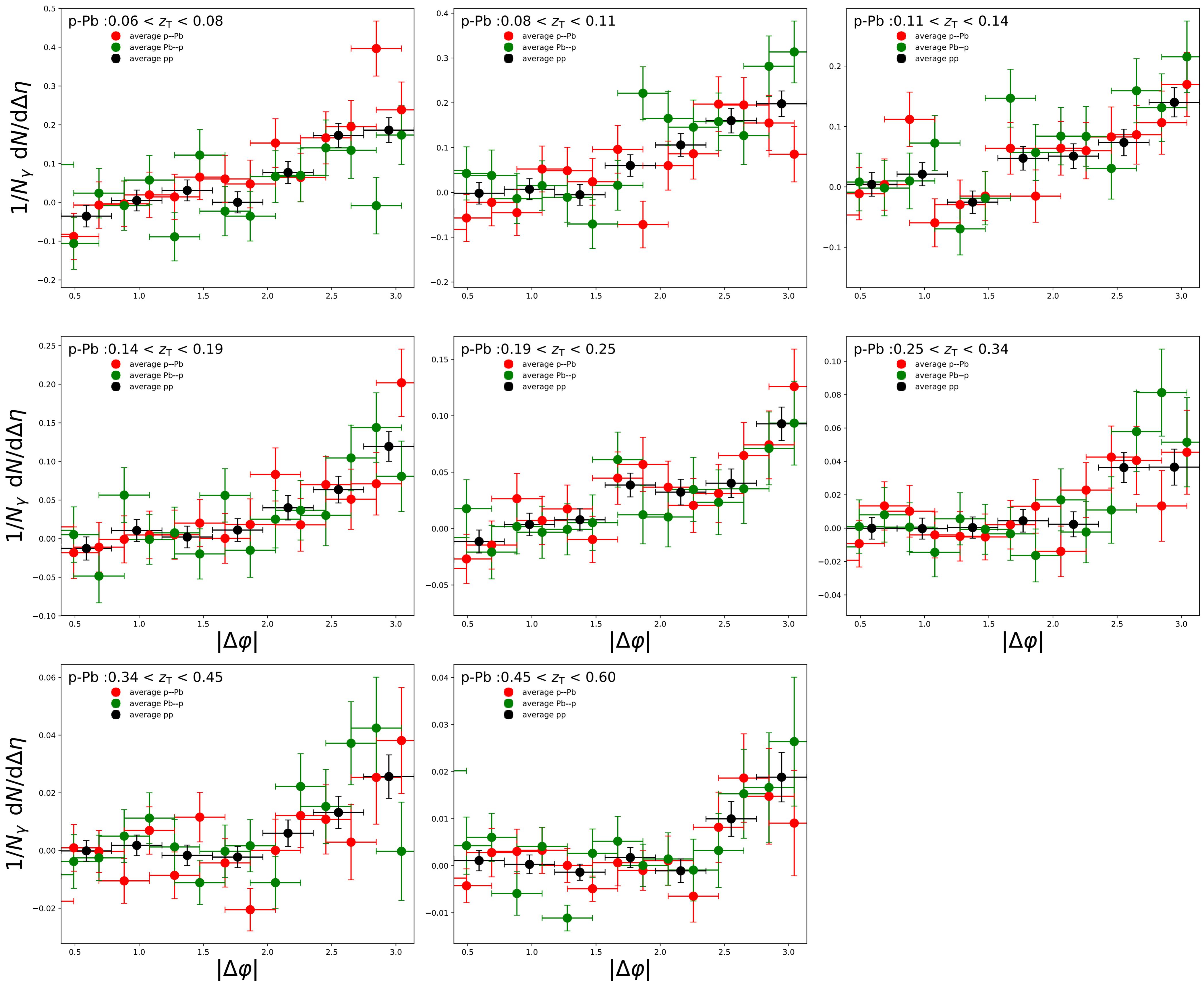


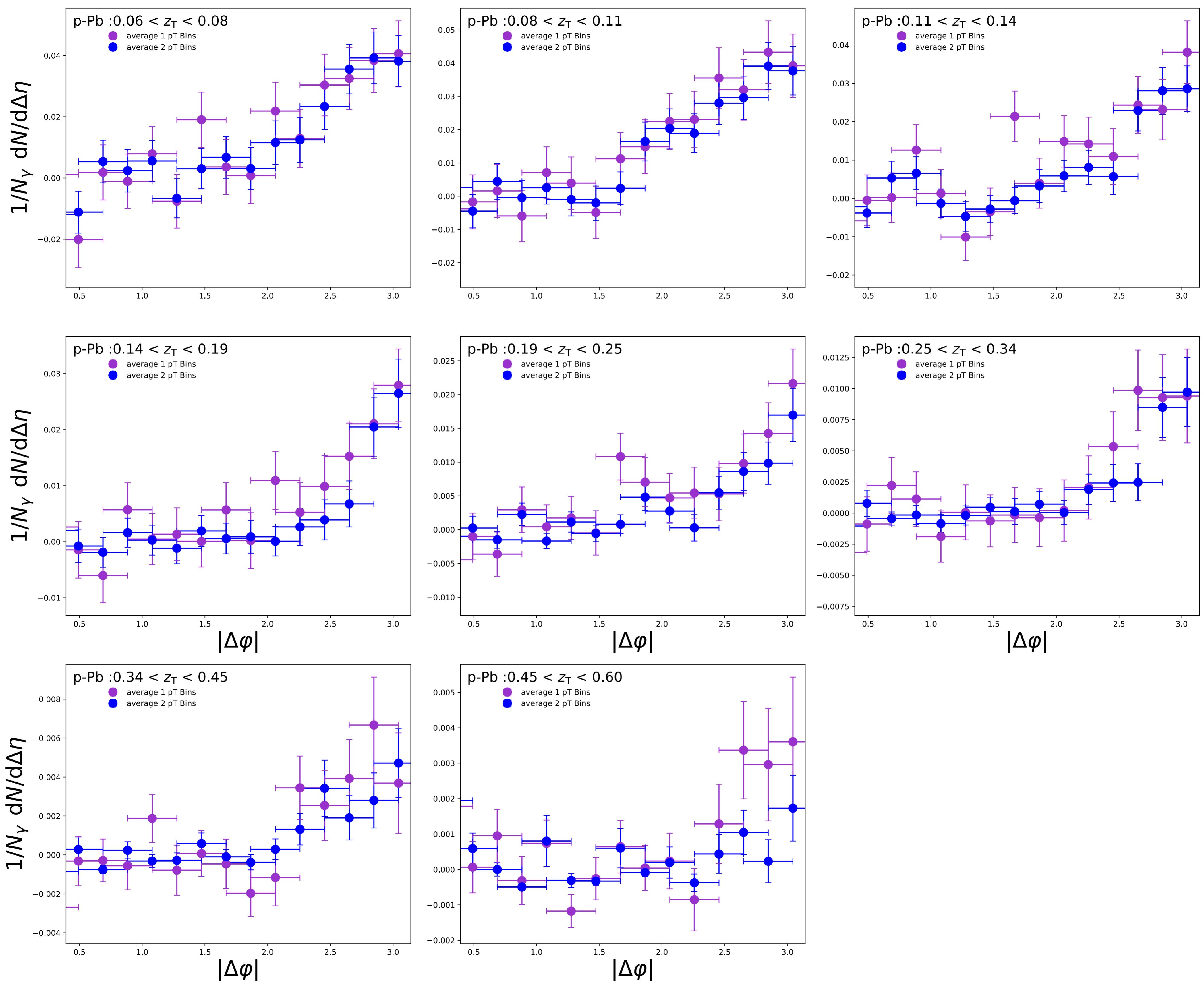
Isolated Cluster p_T Distribution λ_0^2

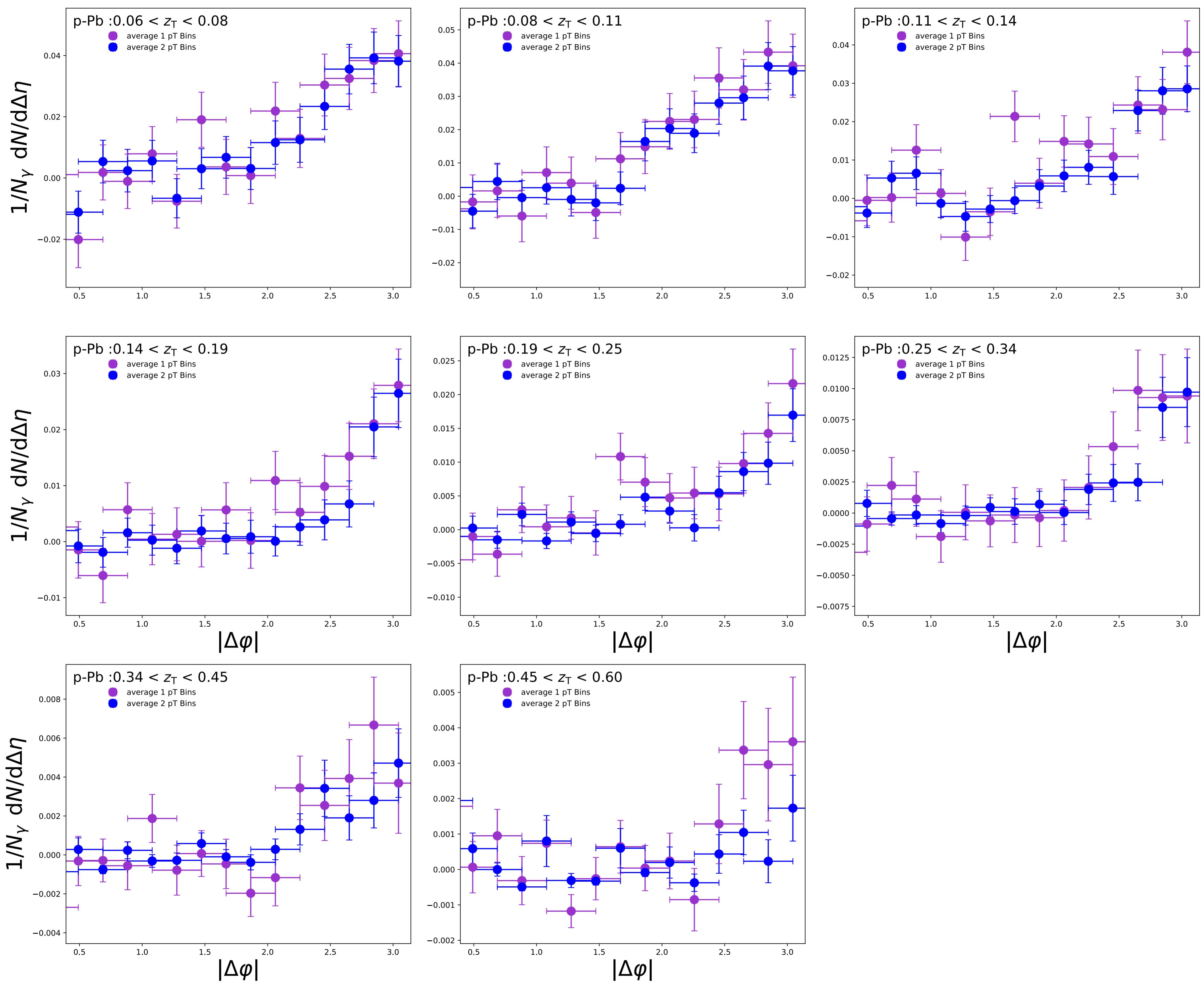


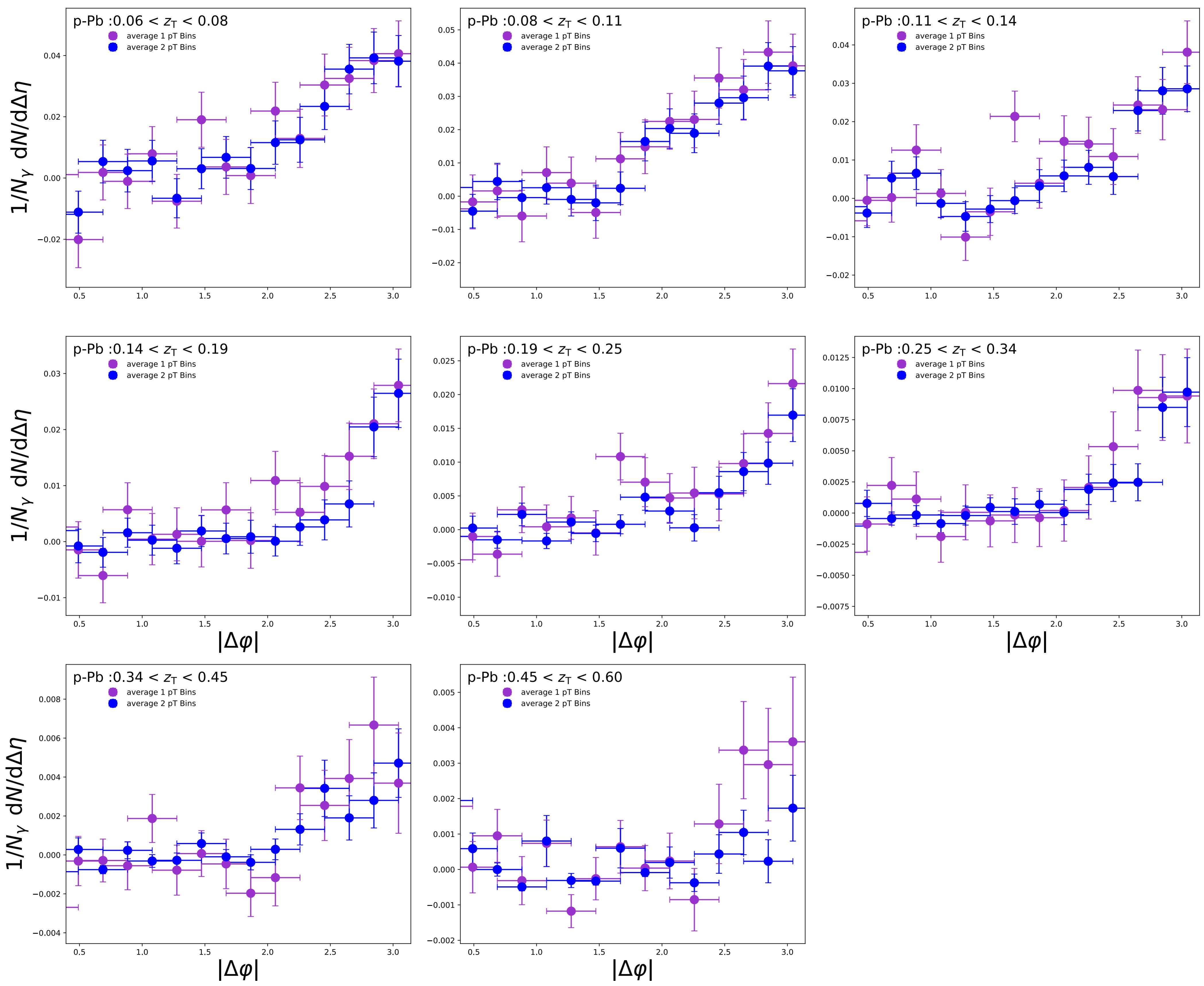
Isolated Cluster p_T Distribution λ_0^2

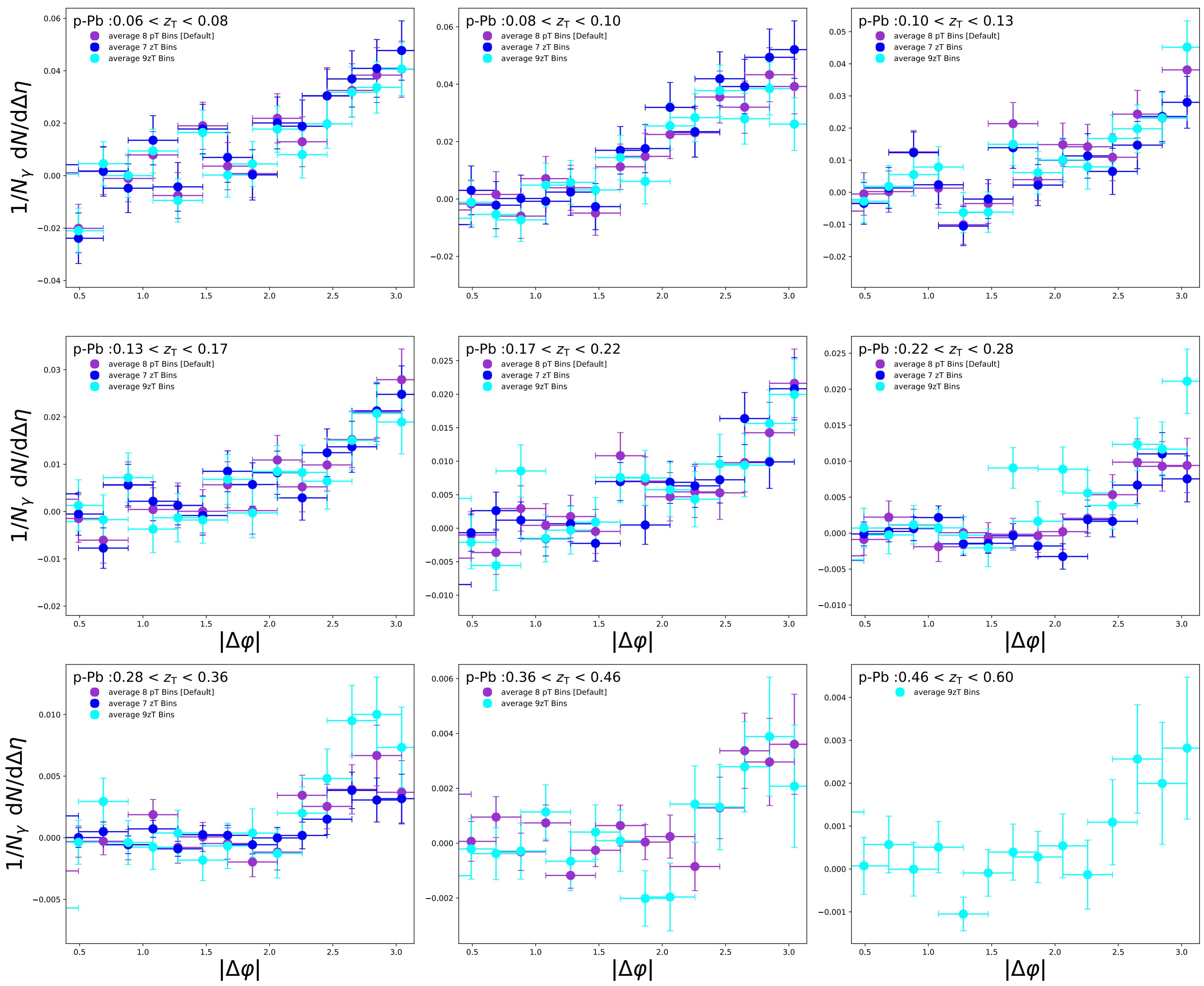


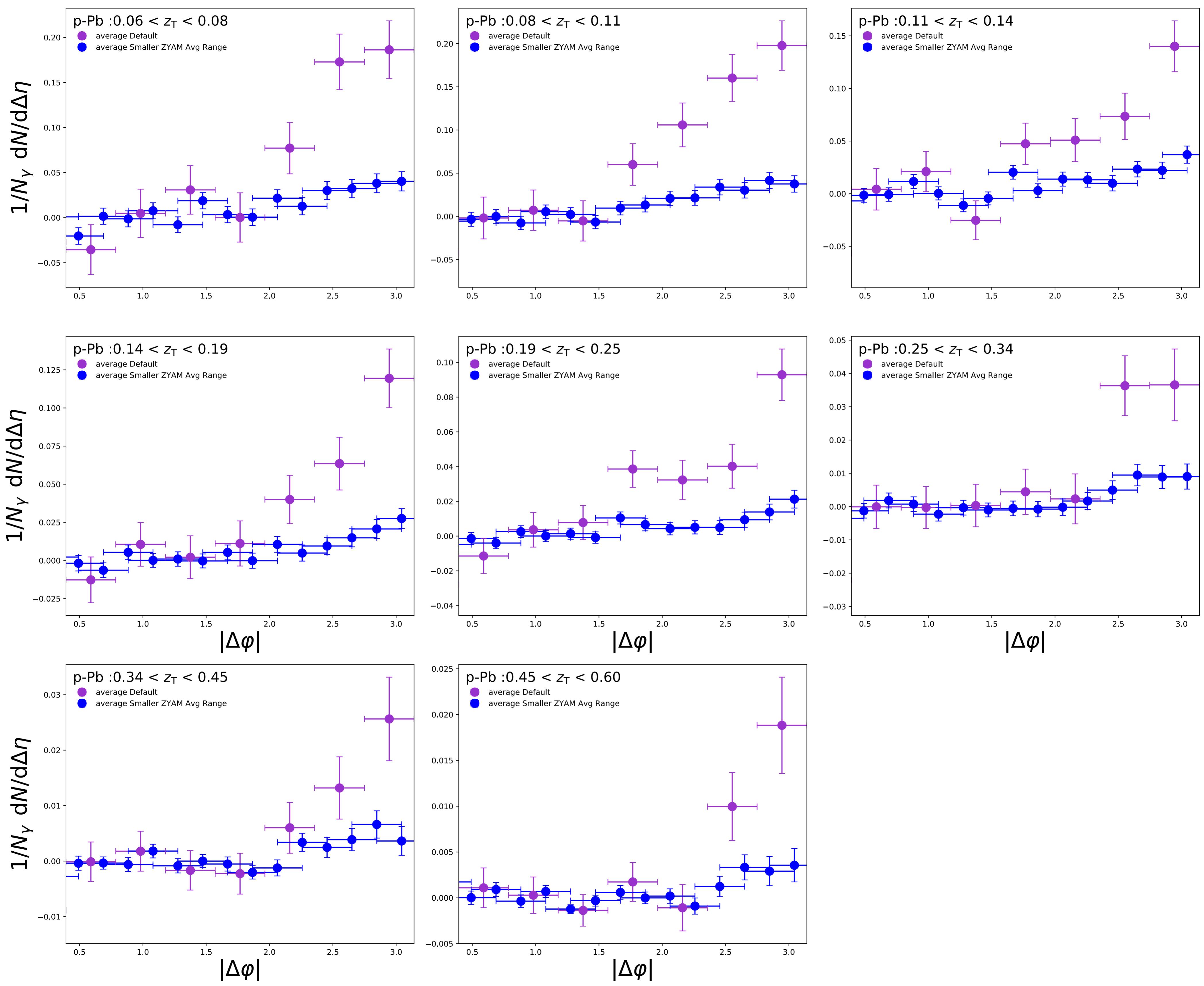


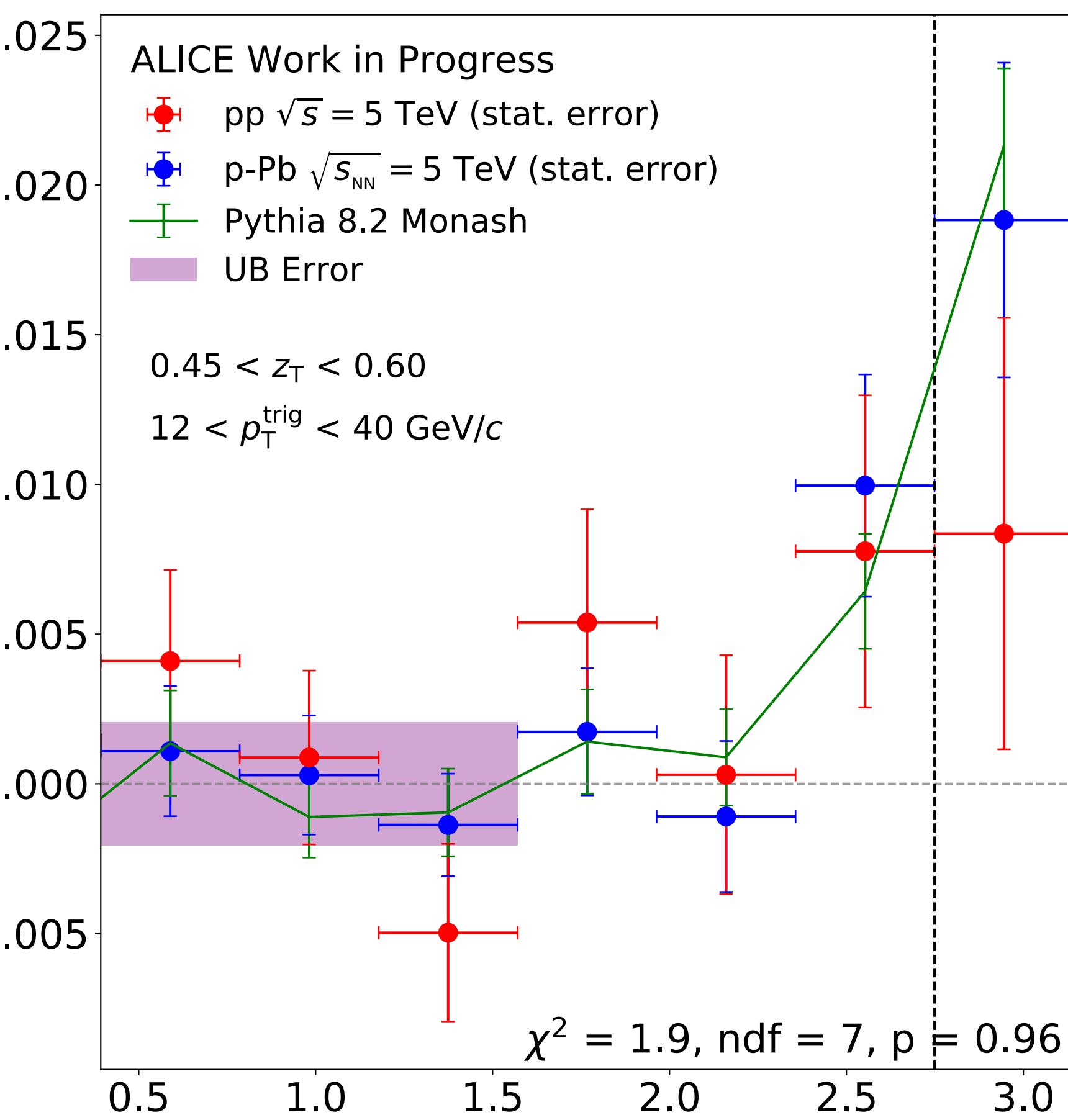
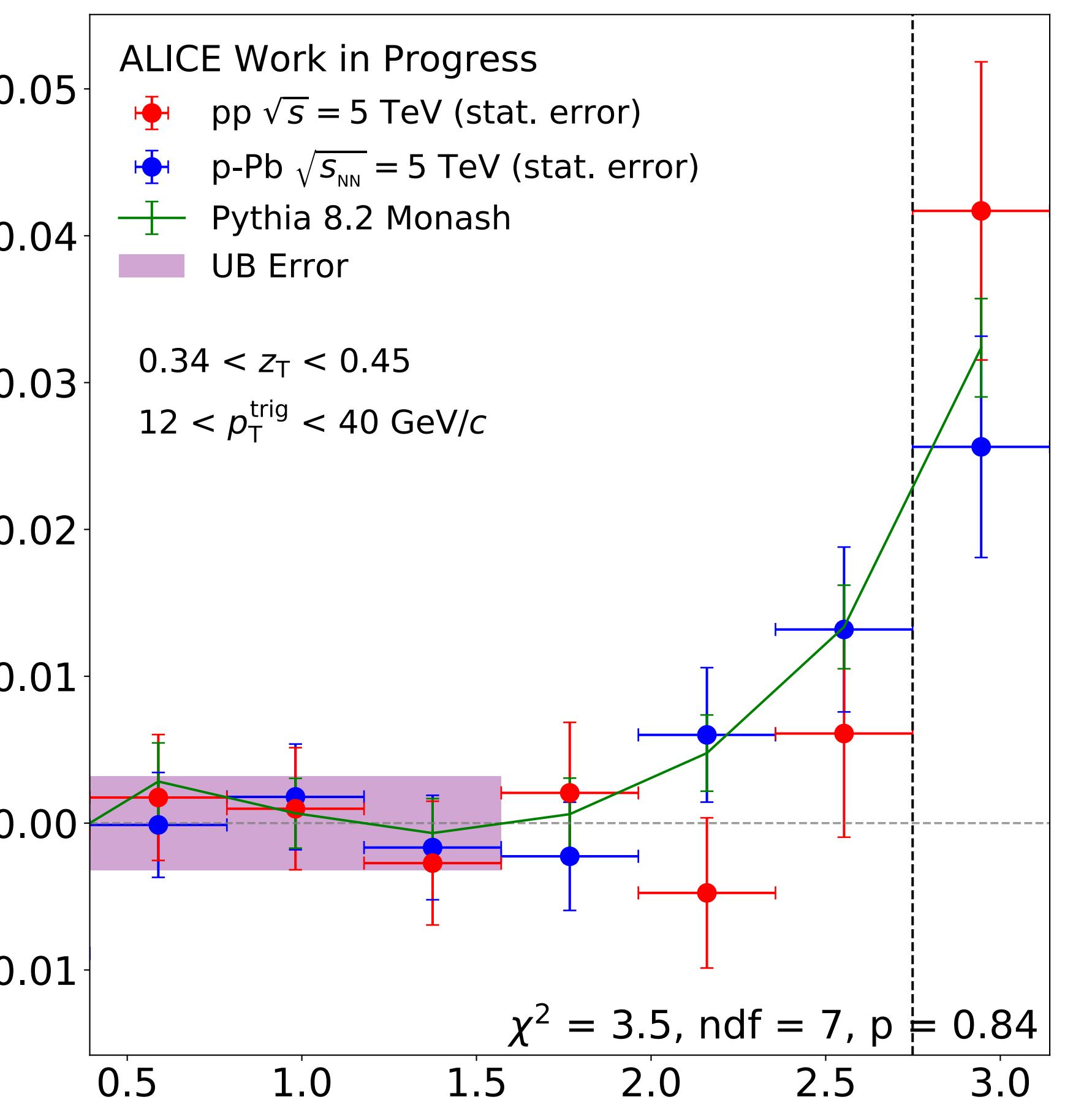
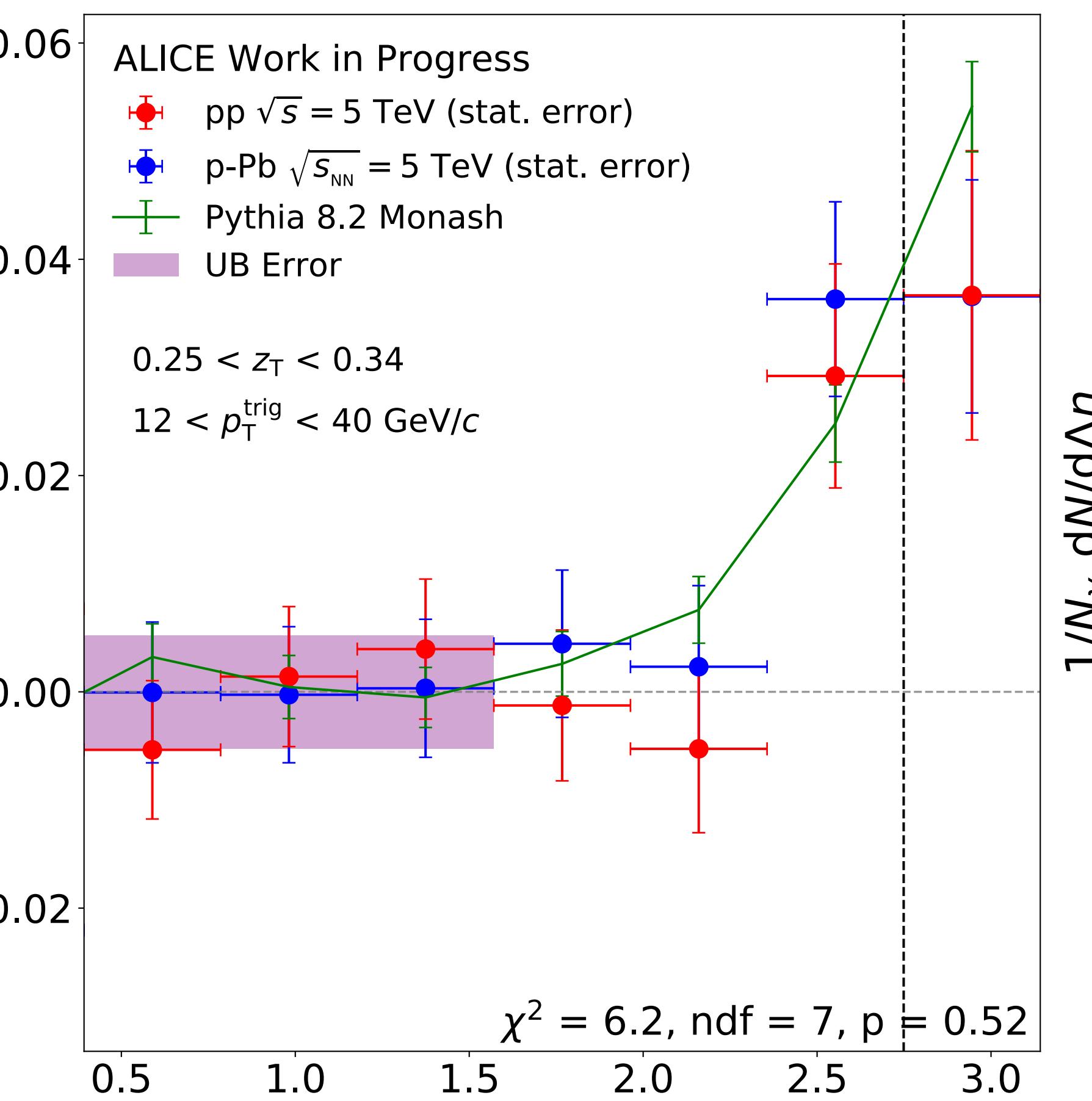
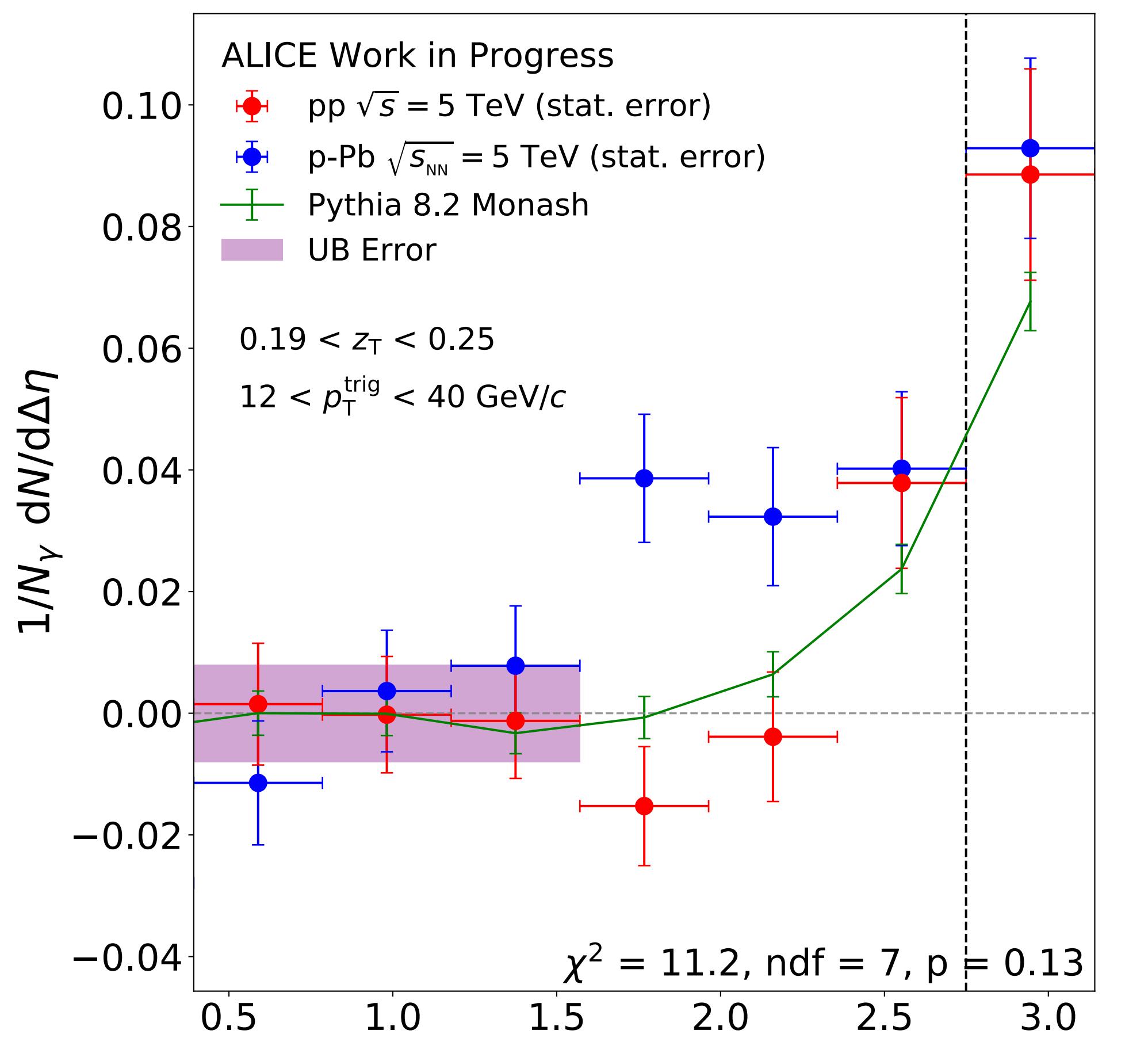
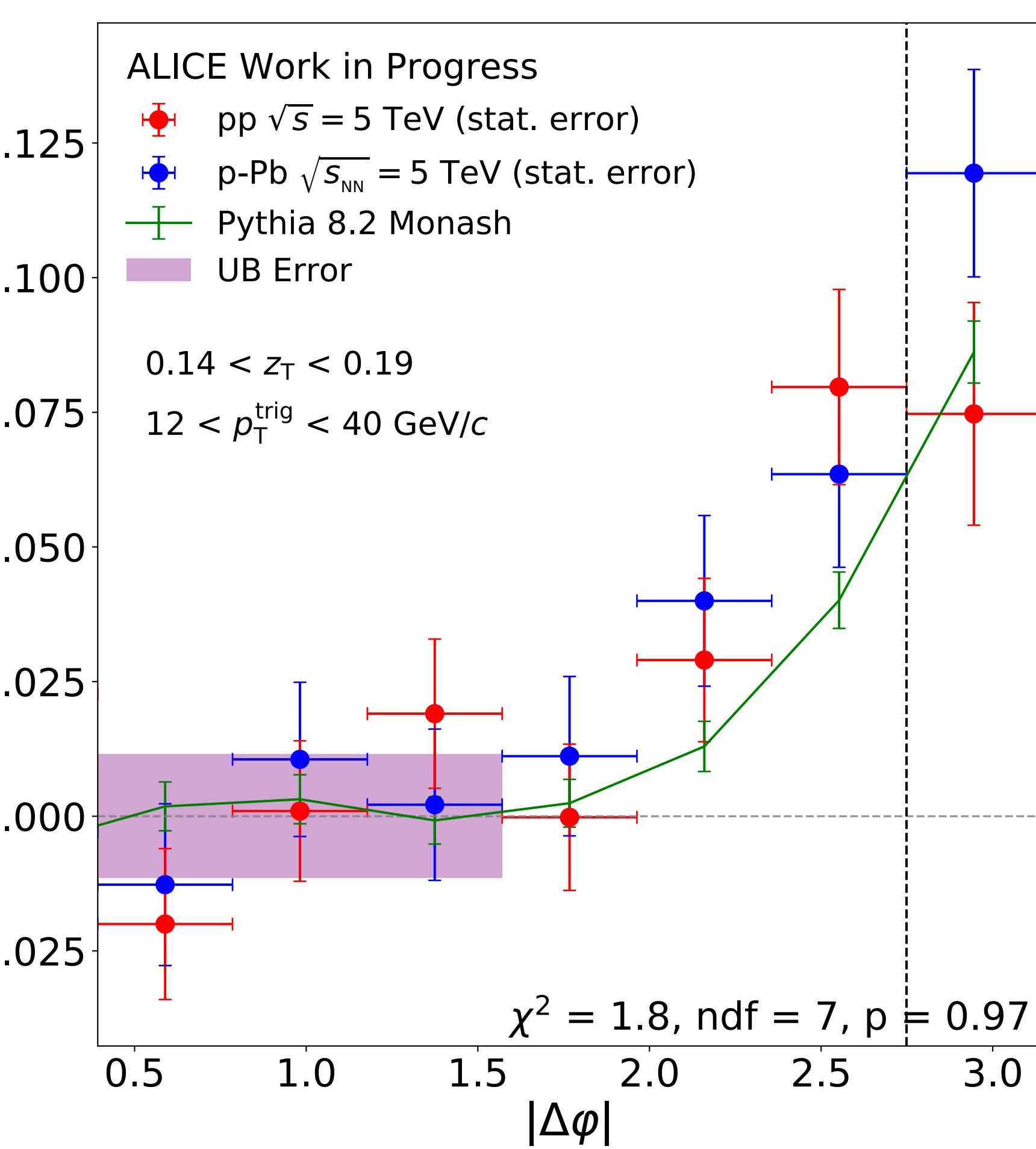
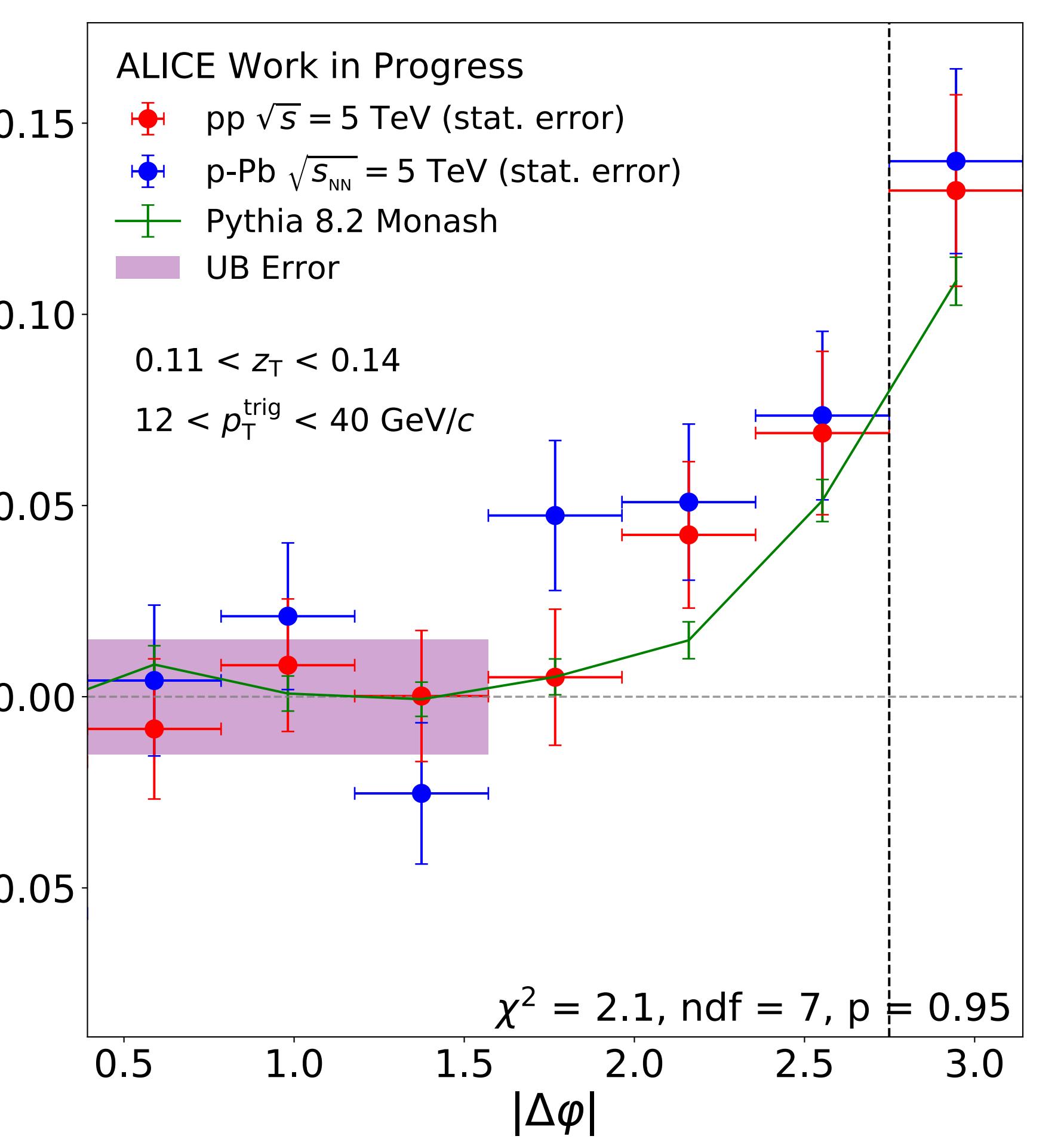
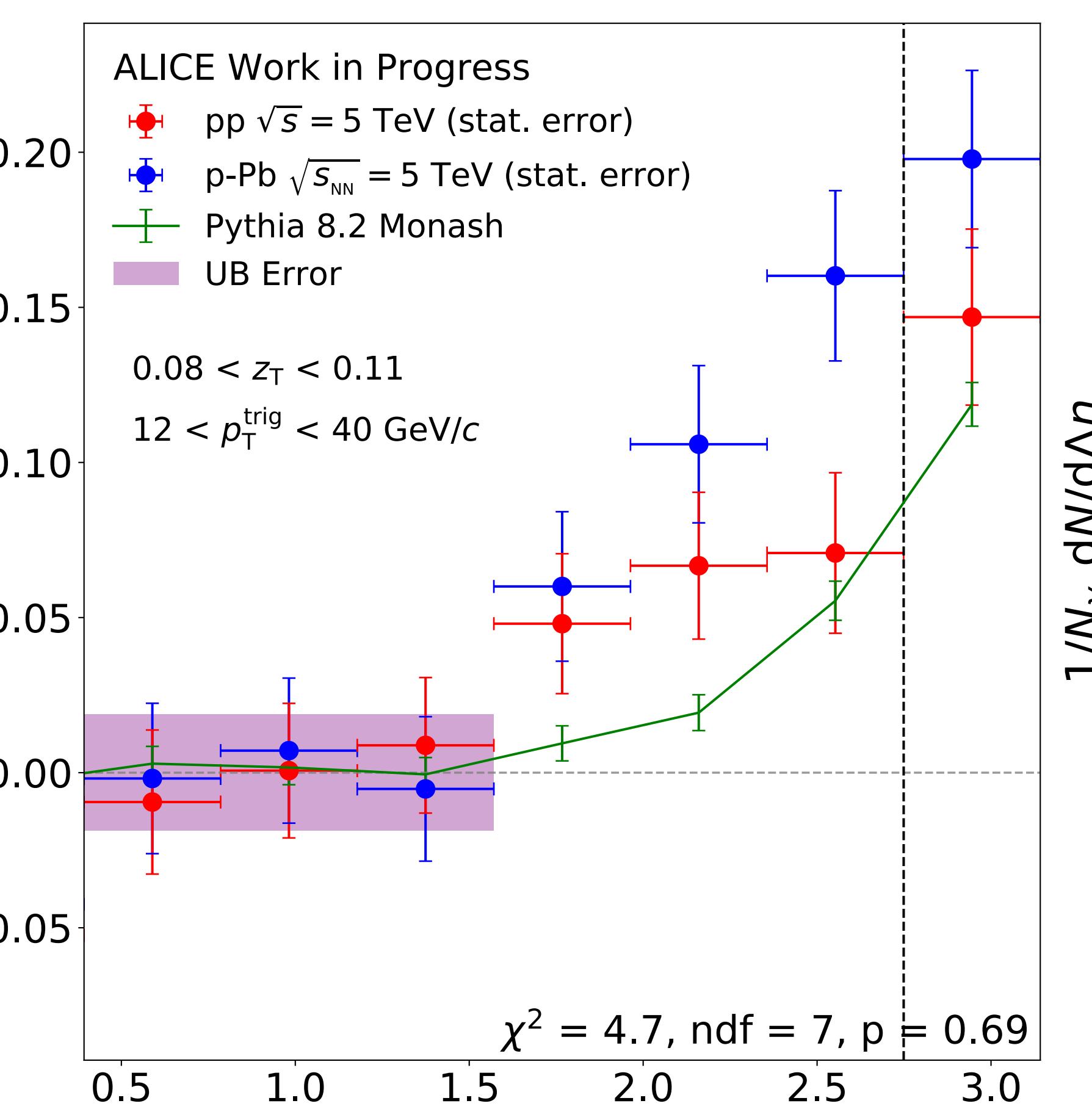
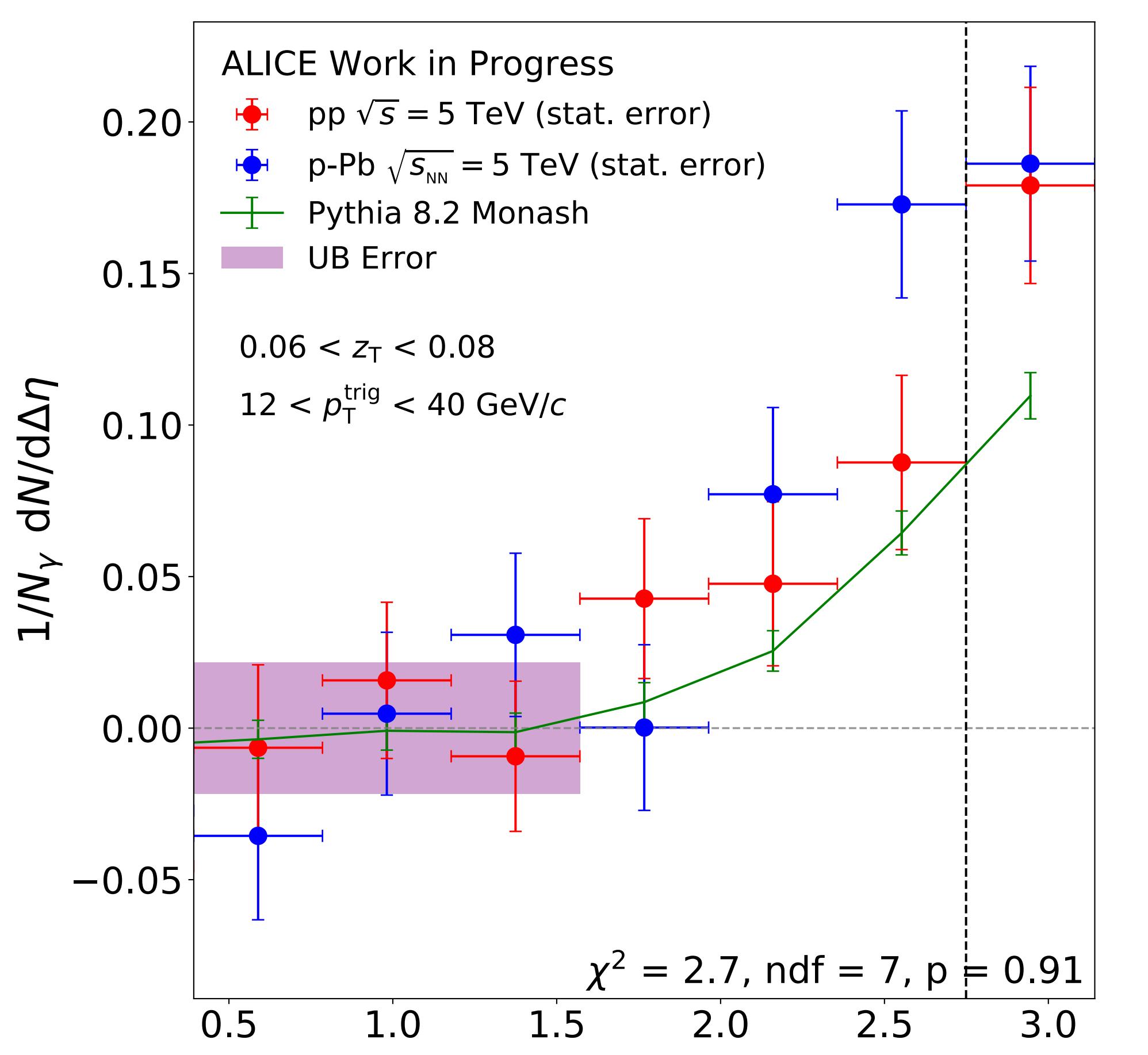












ALICE Work in Progress

- $\text{pp } \sqrt{s} = 5 \text{ TeV}$ (stat. error)
- $\text{p-Pb } \sqrt{s_{\text{NN}}} = 5 \text{ TeV}$ (stat. error)
- Pythia 8.2 Monash
- UB Error

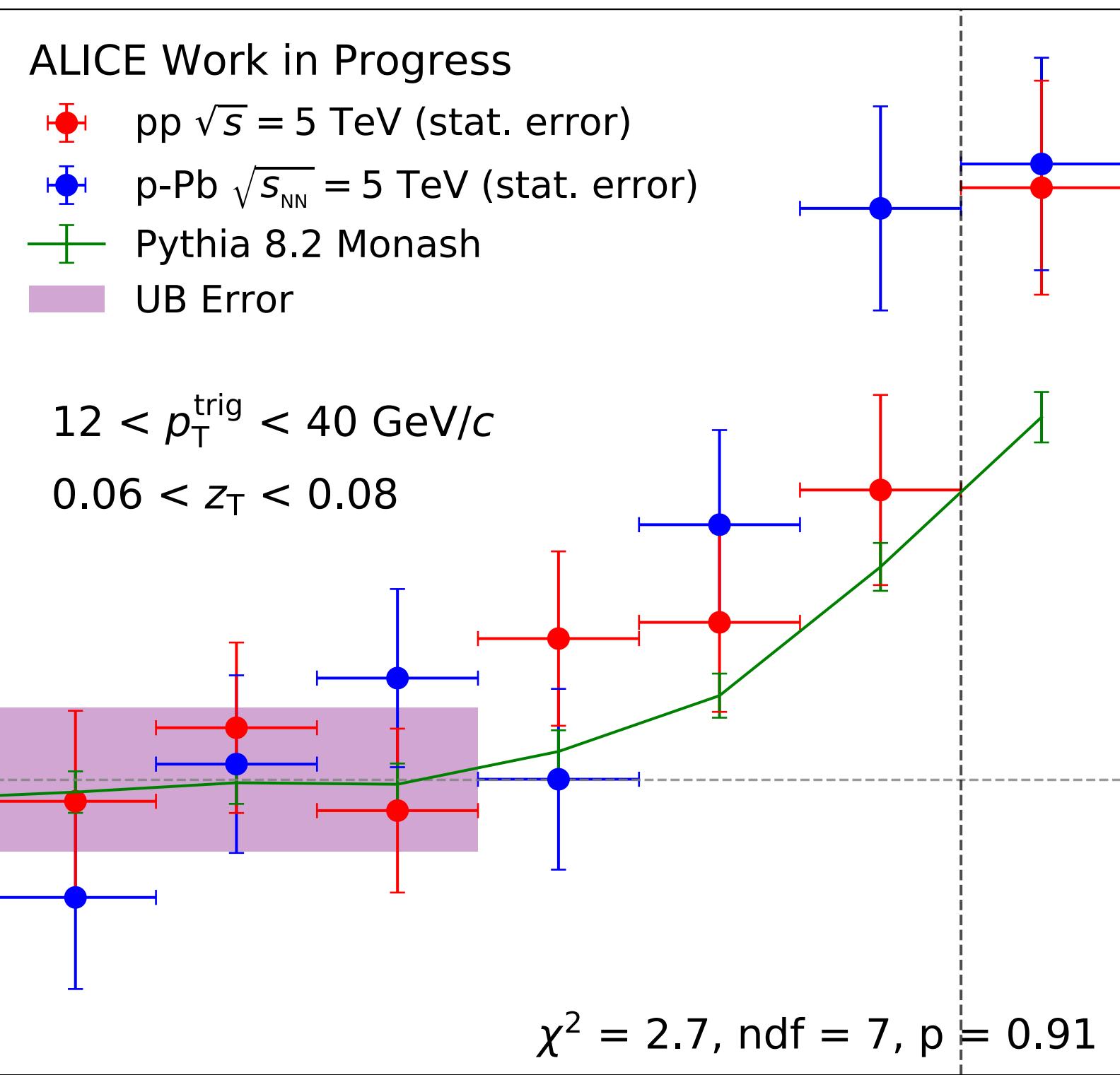
$12 < p_T^{\text{trig}} < 40 \text{ GeV}/c$

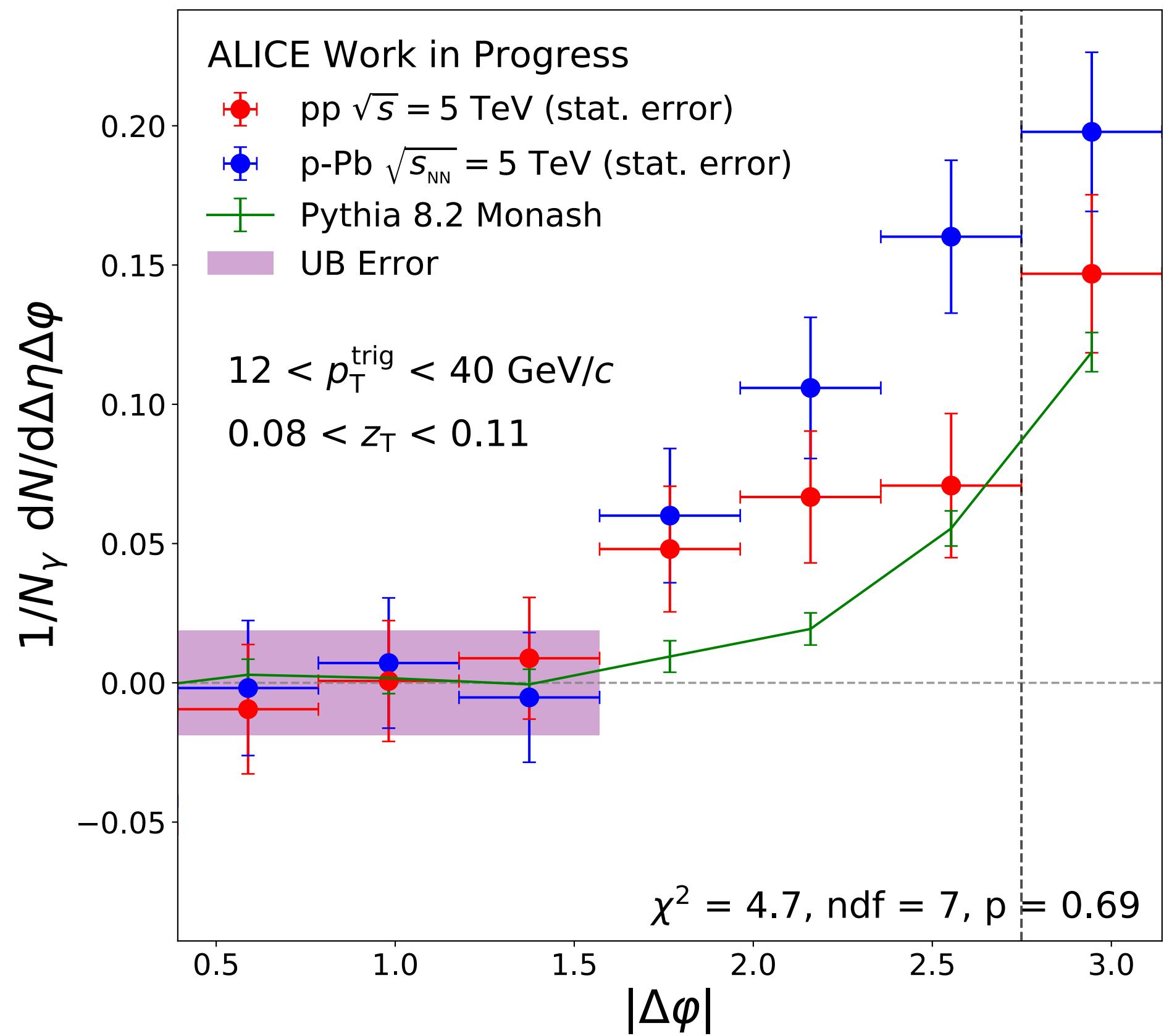
$0.06 < z_T < 0.08$

$\chi^2 = 2.7, \text{ndf} = 7, p = 0.91$

$1/N_\gamma dN/d\Delta\eta\Delta\varphi$

$|\Delta\varphi|$





ALICE Work in Progress

- $\text{pp } \sqrt{s} = 5 \text{ TeV}$ (stat. error)
- $\text{p-Pb } \sqrt{s_{\text{NN}}} = 5 \text{ TeV}$ (stat. error)
- Pythia 8.2 Monash
- UB Error

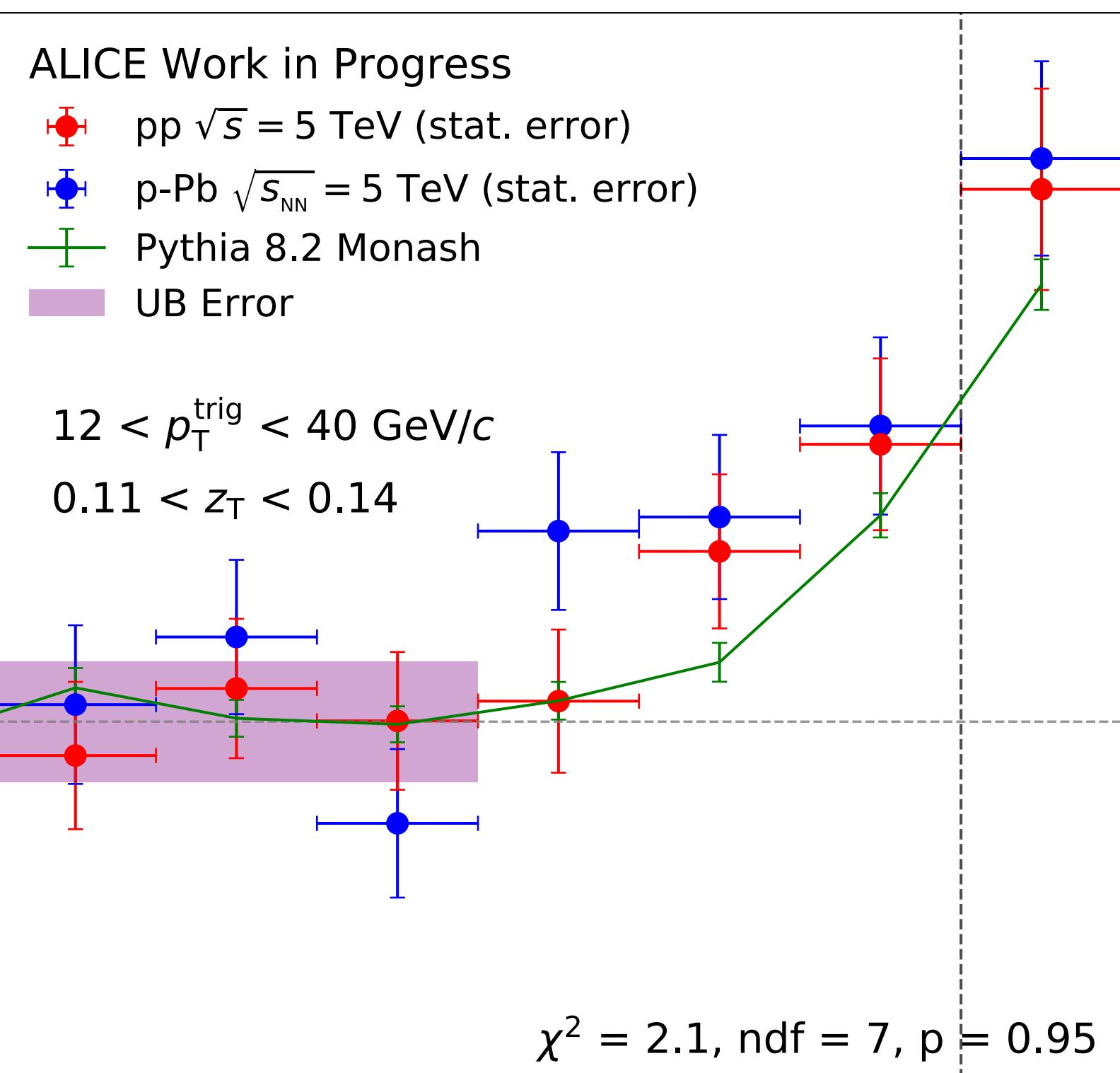
$12 < p_T^{\text{trig}} < 40 \text{ GeV}/c$

$0.11 < z_T < 0.14$

$\chi^2 = 2.1, \text{ndf} = 7, p = 0.95$

$1/N_\gamma dN/d\Delta\eta\Delta\varphi$

$|\Delta\varphi|$



ALICE Work in Progress

pp $\sqrt{s} = 5$ TeV (stat. error)

p-Pb $\sqrt{s_{NN}} = 5$ TeV (stat. error)

Pythia 8.2 Monash

UB Error

$12 < p_T^{\text{trig}} < 40$ GeV/c

$0.14 < z_T < 0.19$

$\chi^2 = 1.8, \text{ndf} = 7, p = 0.97$

$1/N_\gamma dN/d\Delta\eta\Delta\varphi$

0.5 1.0 1.5 2.0 2.5 3.0

$|\Delta\varphi|$

0.5

1.0

1.5

2.0

2.5

3.0

-0.025

0.000

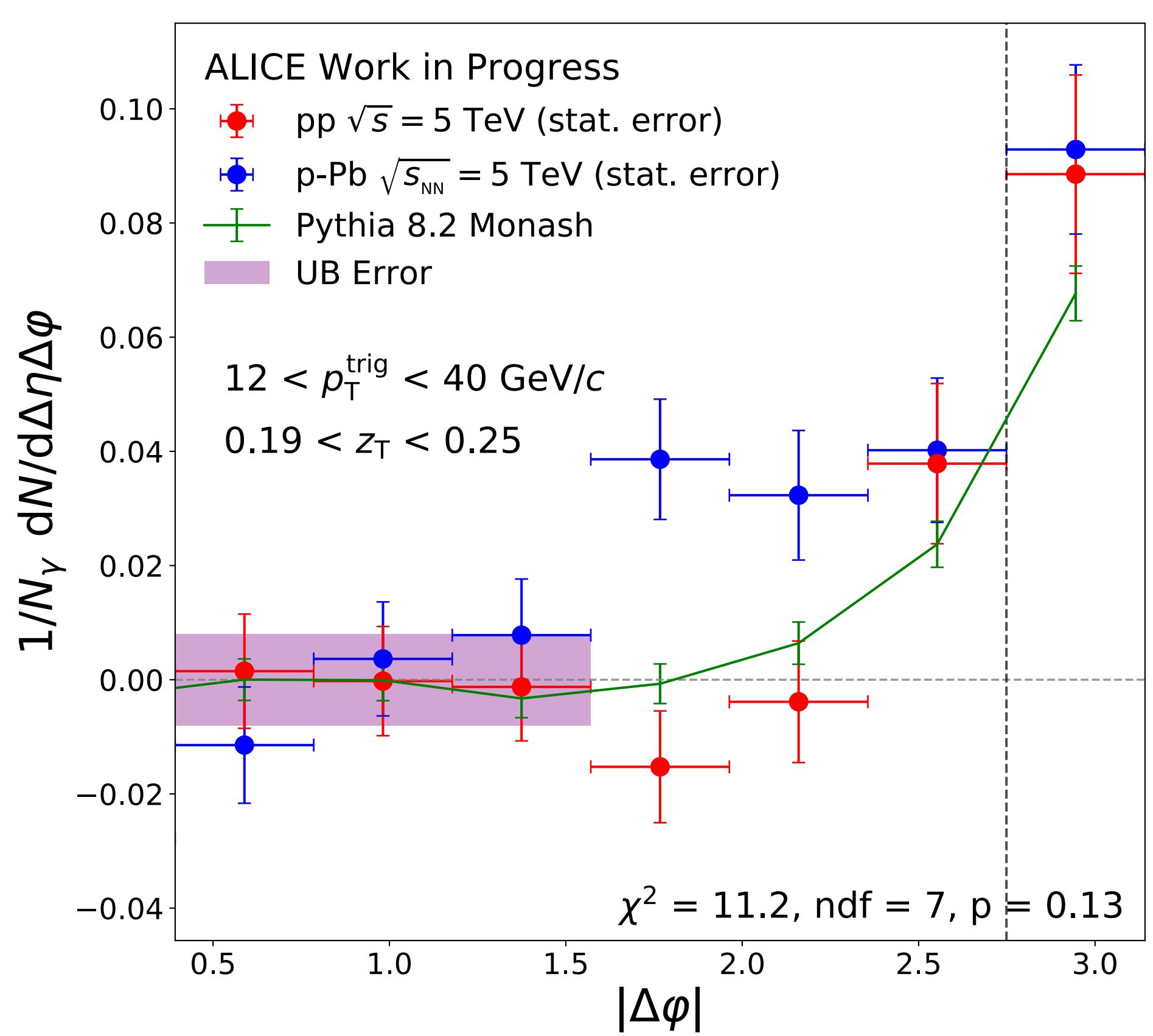
0.025

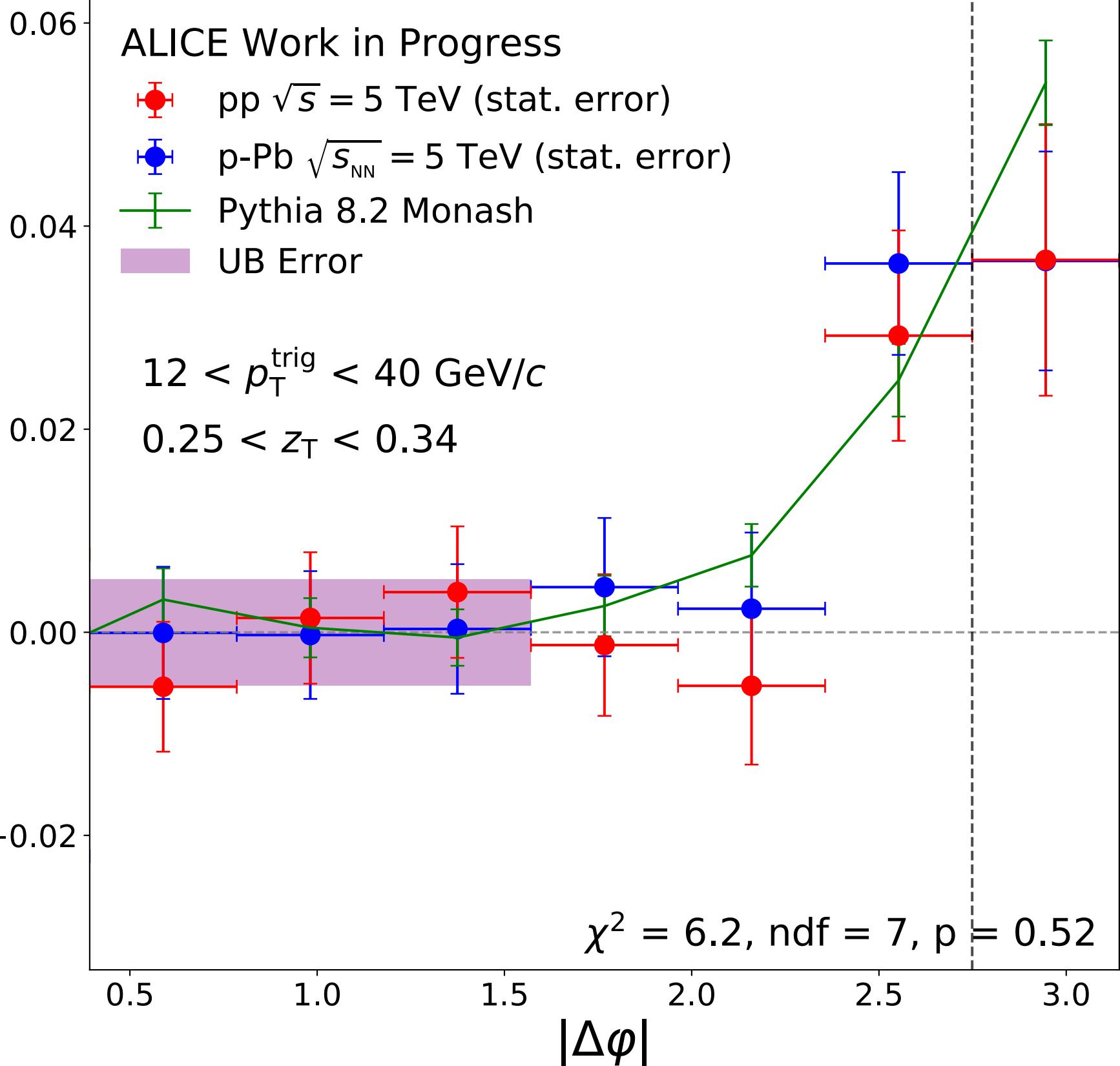
0.050

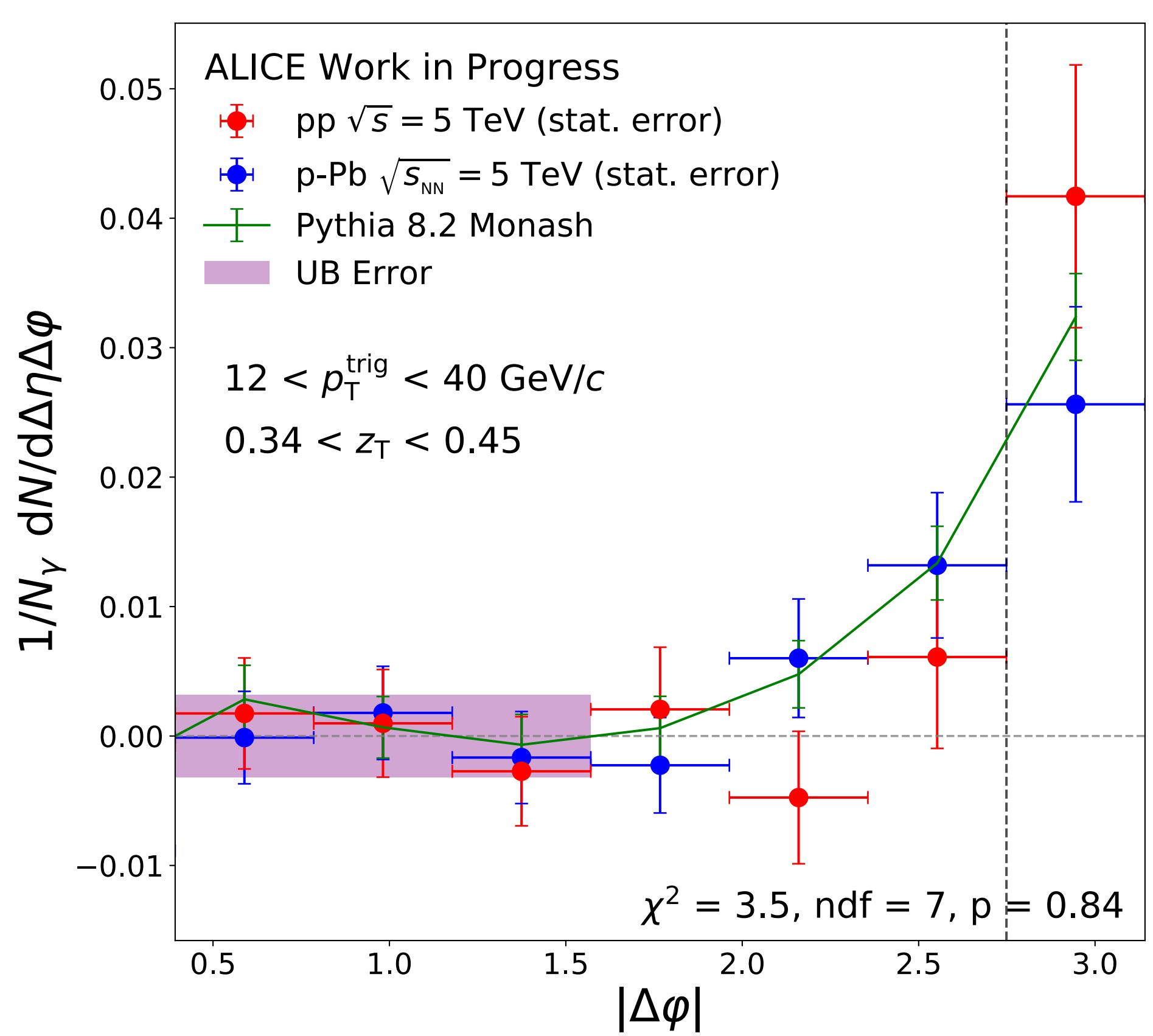
0.075

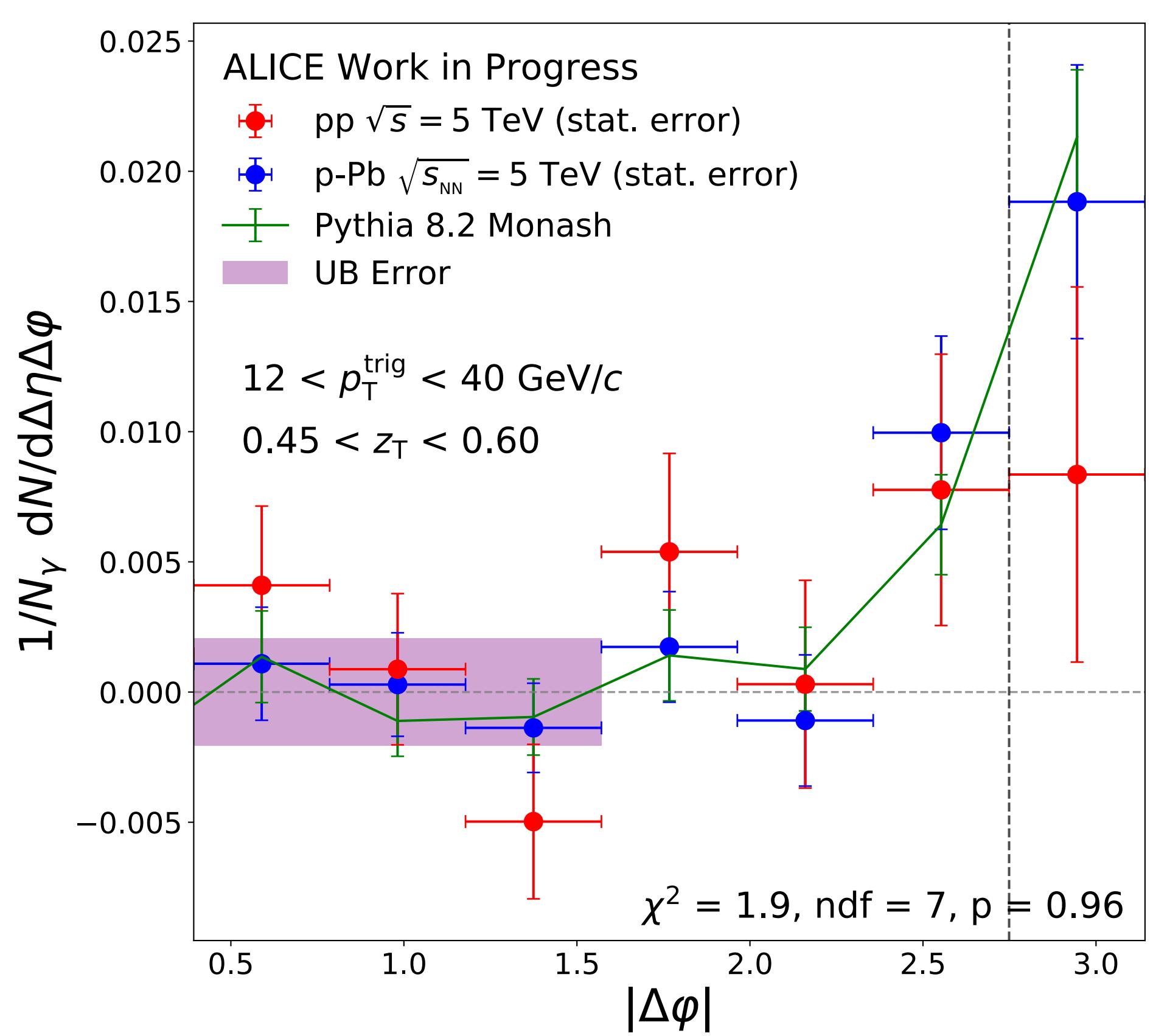
0.100

0.125









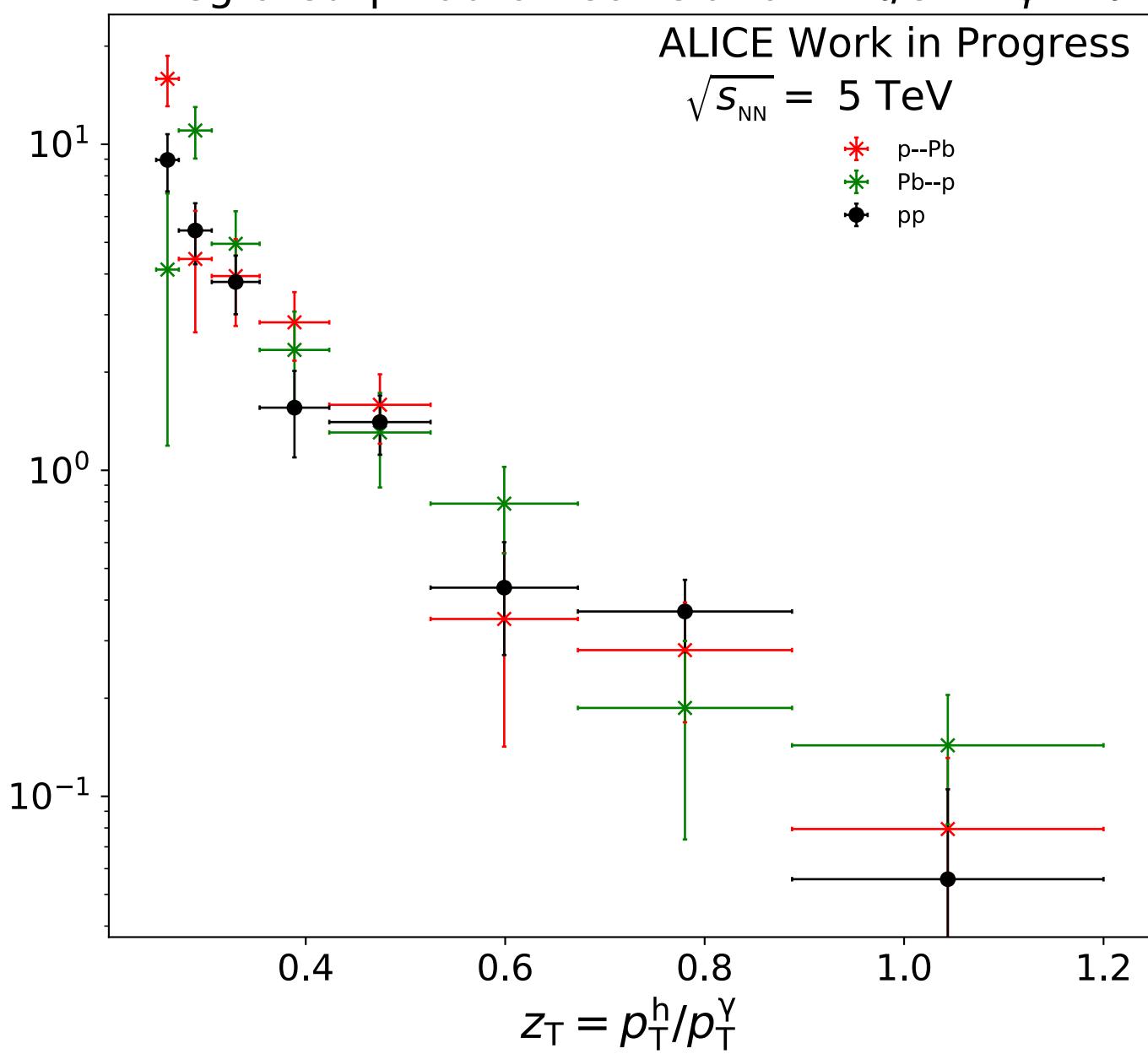
Integrated γ -Hadron Correlation: $7\pi/8 < \Delta\phi < \pi$

ALICE Work in Progress

$\sqrt{s_{NN}} = 5 \text{ TeV}$

- * p--Pb
- * Pb--p
- pp

$$\frac{dN}{N_\gamma dZ_T d\Delta\phi d\Delta\eta}$$

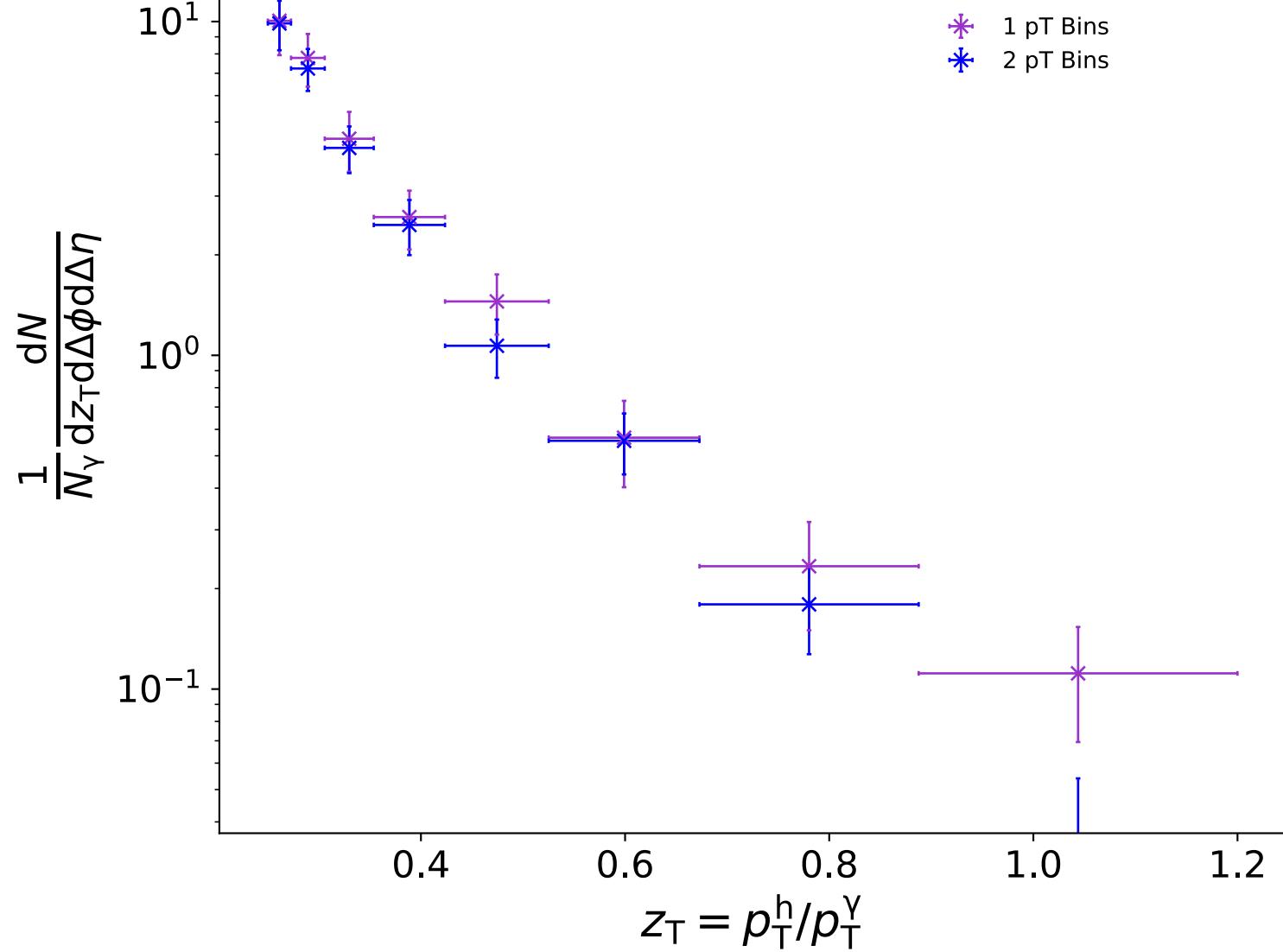


$$Z_T = p_T^h/p_T^\gamma$$

Integrated γ -Hadron Correlation: $7\pi/8 < \Delta\phi < \pi$

ALICE Work in Progress

$\sqrt{s_{NN}} = 5 \text{ TeV}$

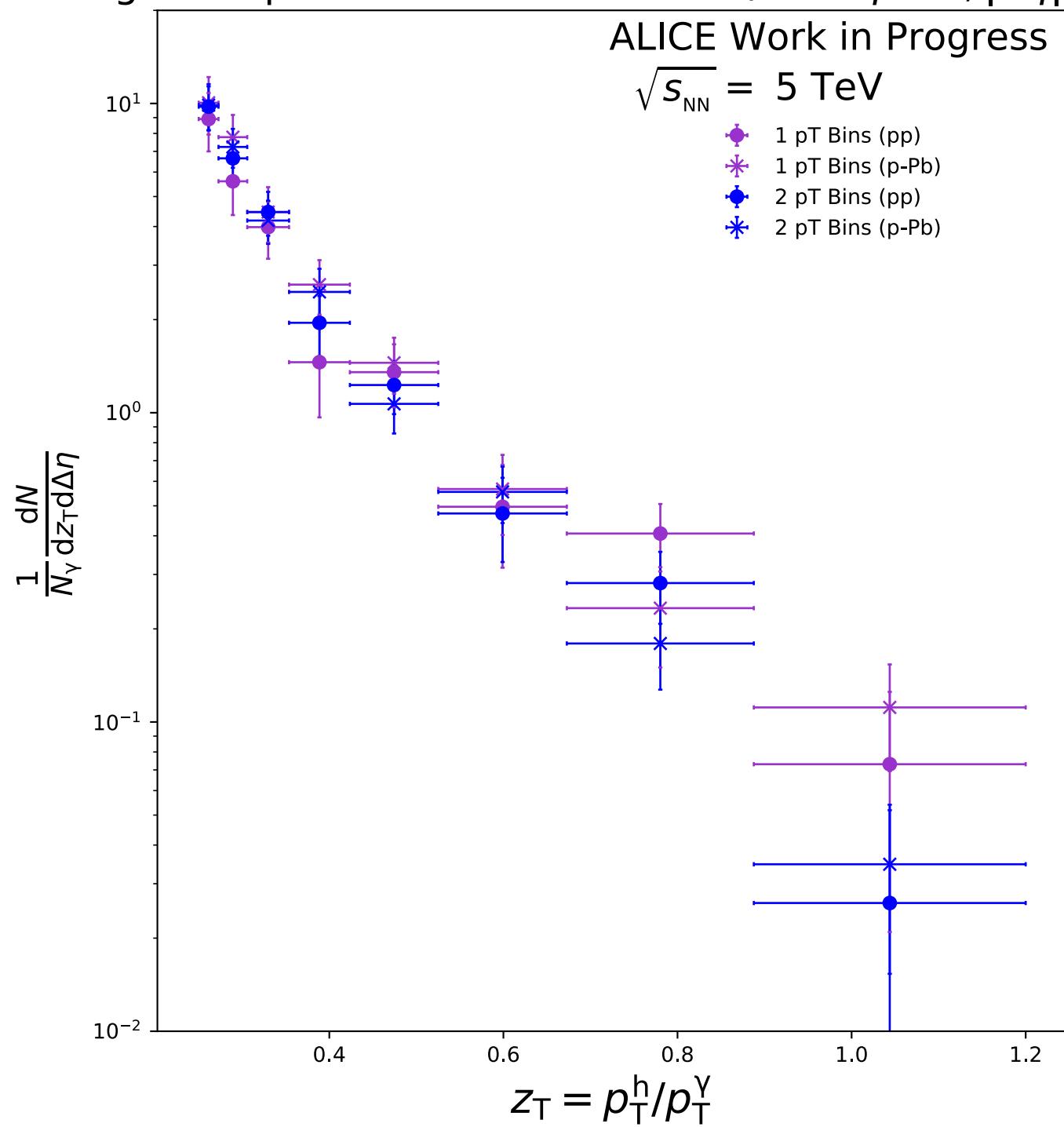


Integrated γ -Hadron Correlation: $2\pi/3 < \Delta\varphi < \pi$, $|\Delta\eta| < 1.2$

ALICE Work in Progress

$\sqrt{s_{\text{NN}}} = 5 \text{ TeV}$

- 1 pT Bins (pp)
- ★ 1 pT Bins (p-Pb)
- 2 pT Bins (pp)
- ★ 2 pT Bins (p-Pb)

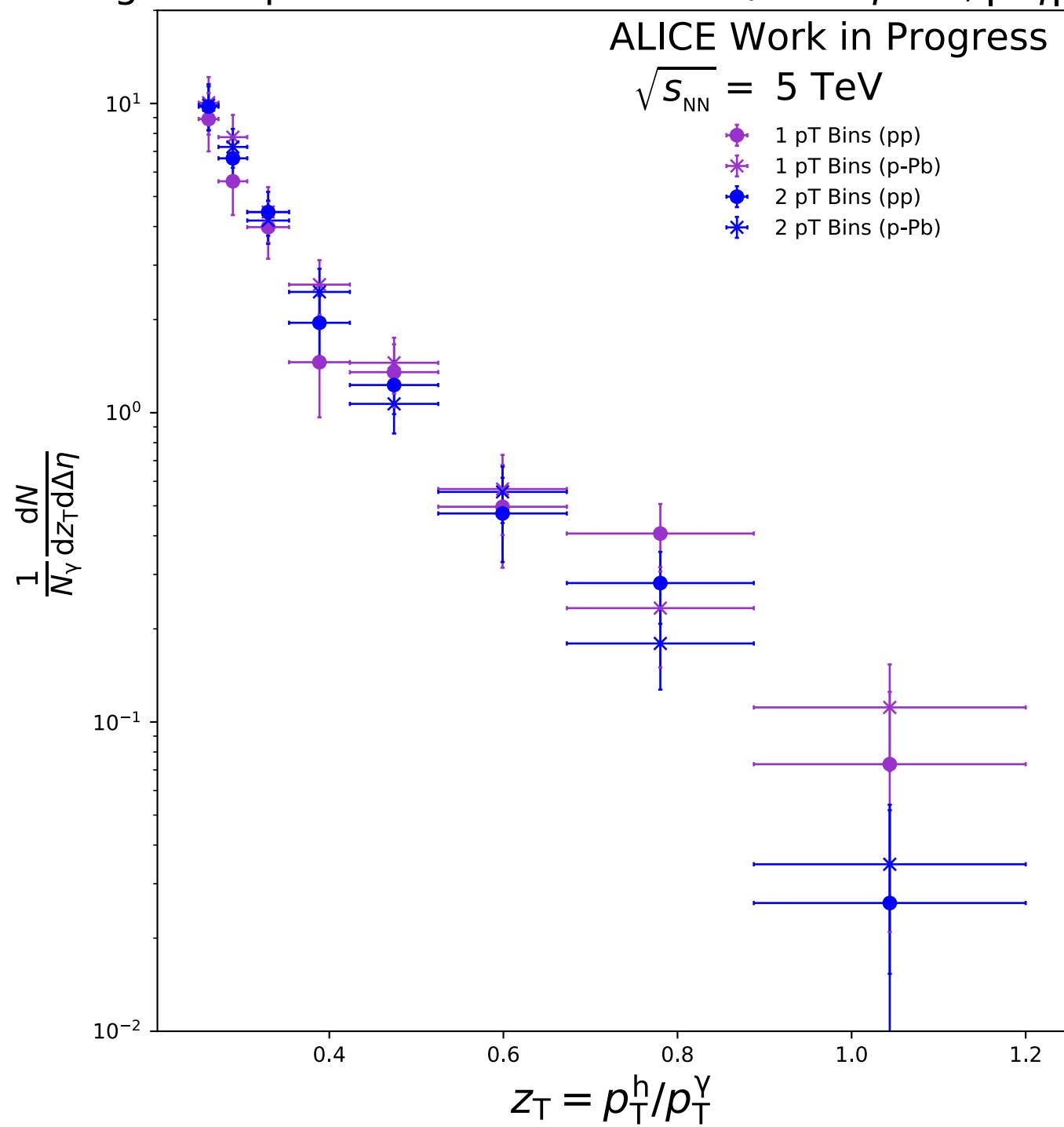


Integrated γ -Hadron Correlation: $2\pi/3 < \Delta\varphi < \pi$, $|\Delta\eta| < 1.2$

ALICE Work in Progress

$\sqrt{s_{NN}} = 5 \text{ TeV}$

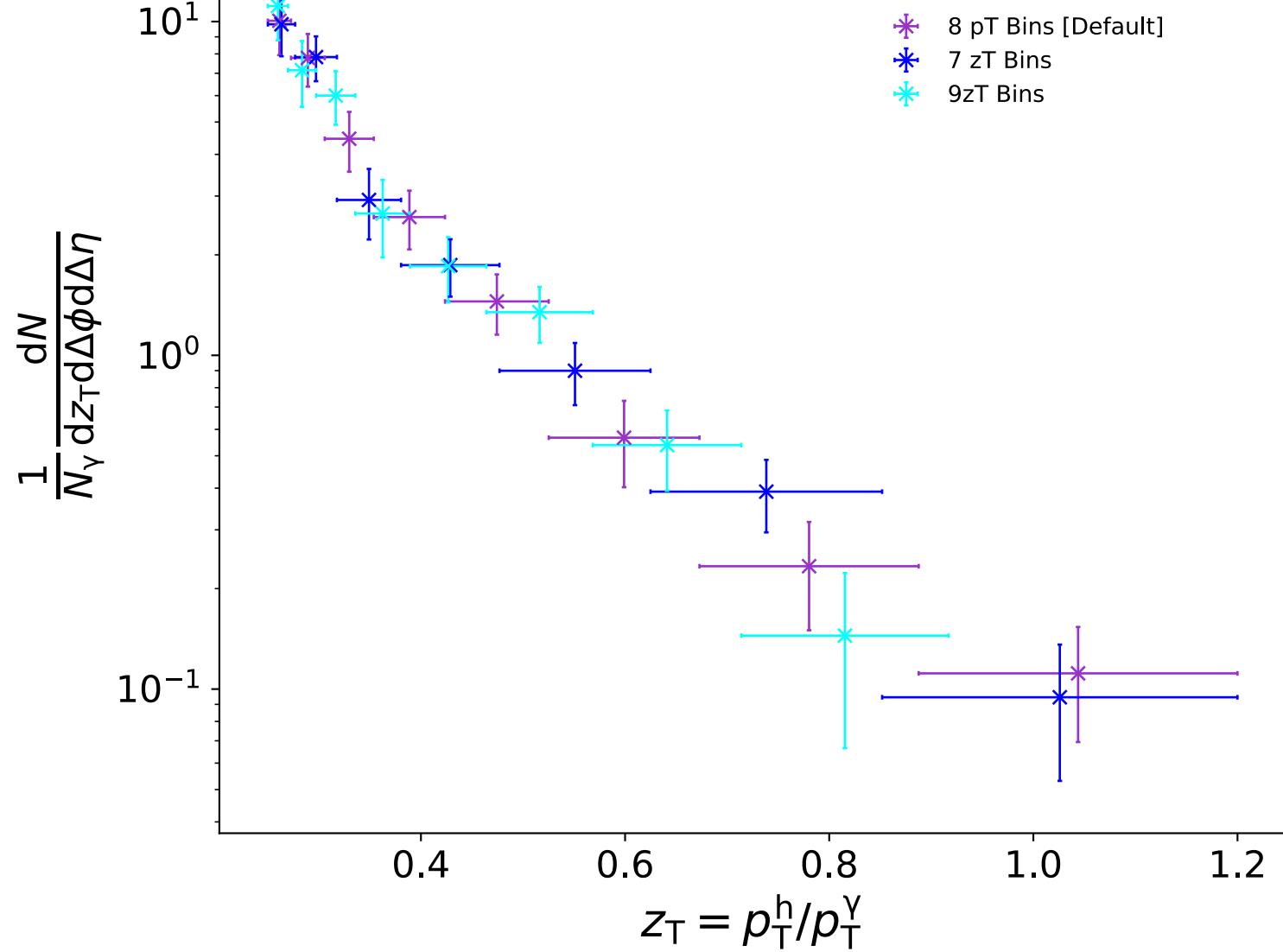
- 1 pT Bins (pp)
- ★ 1 pT Bins (p-Pb)
- 2 pT Bins (pp)
- ★ 2 pT Bins (p-Pb)



Integrated γ -Hadron Correlation: $7\pi/8 < \Delta\phi < \pi$

ALICE Work in Progress

$\sqrt{s_{NN}} = 5 \text{ TeV}$



Integrated γ -Hadron Correlation: $7\pi/8 < \Delta\phi < \pi$

ALICE Work in Progress

$\sqrt{s_{NN}} = 5 \text{ TeV}$

Default

Smaller ZYAM Avg Range

$$\frac{dN}{N_\gamma dz_T d\Delta\phi d\Delta\eta}$$

10^1

10^0

10^{-1}

$$0.4$$

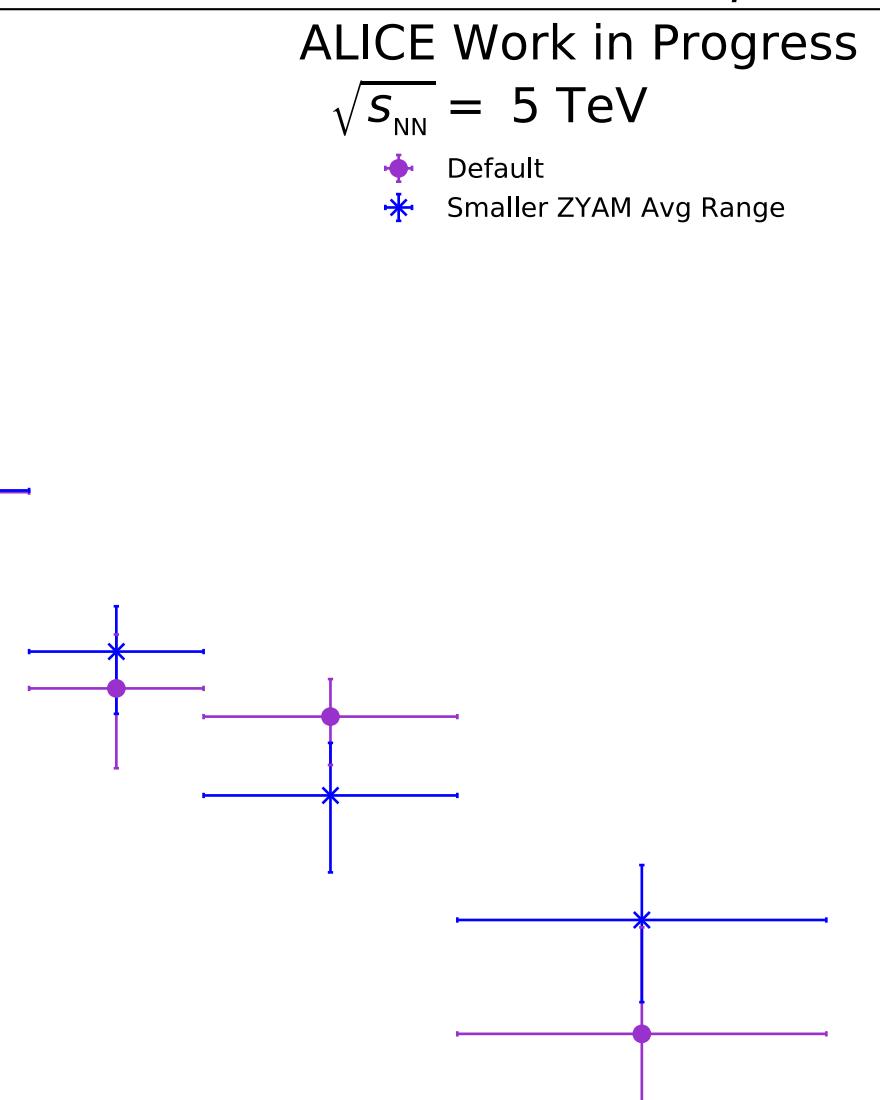
$$0.6$$

$$0.8$$

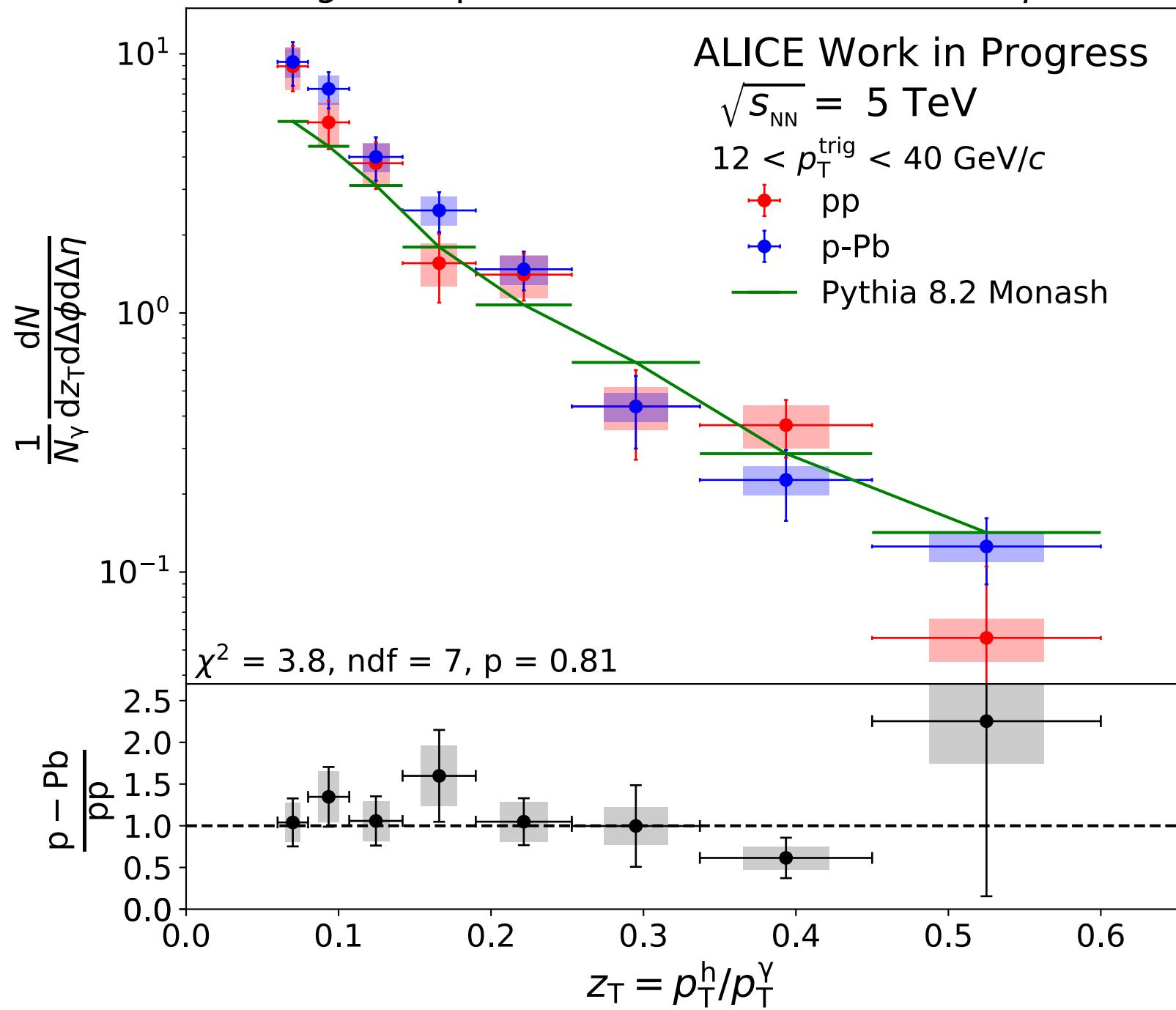
$$1.0$$

$$1.2$$

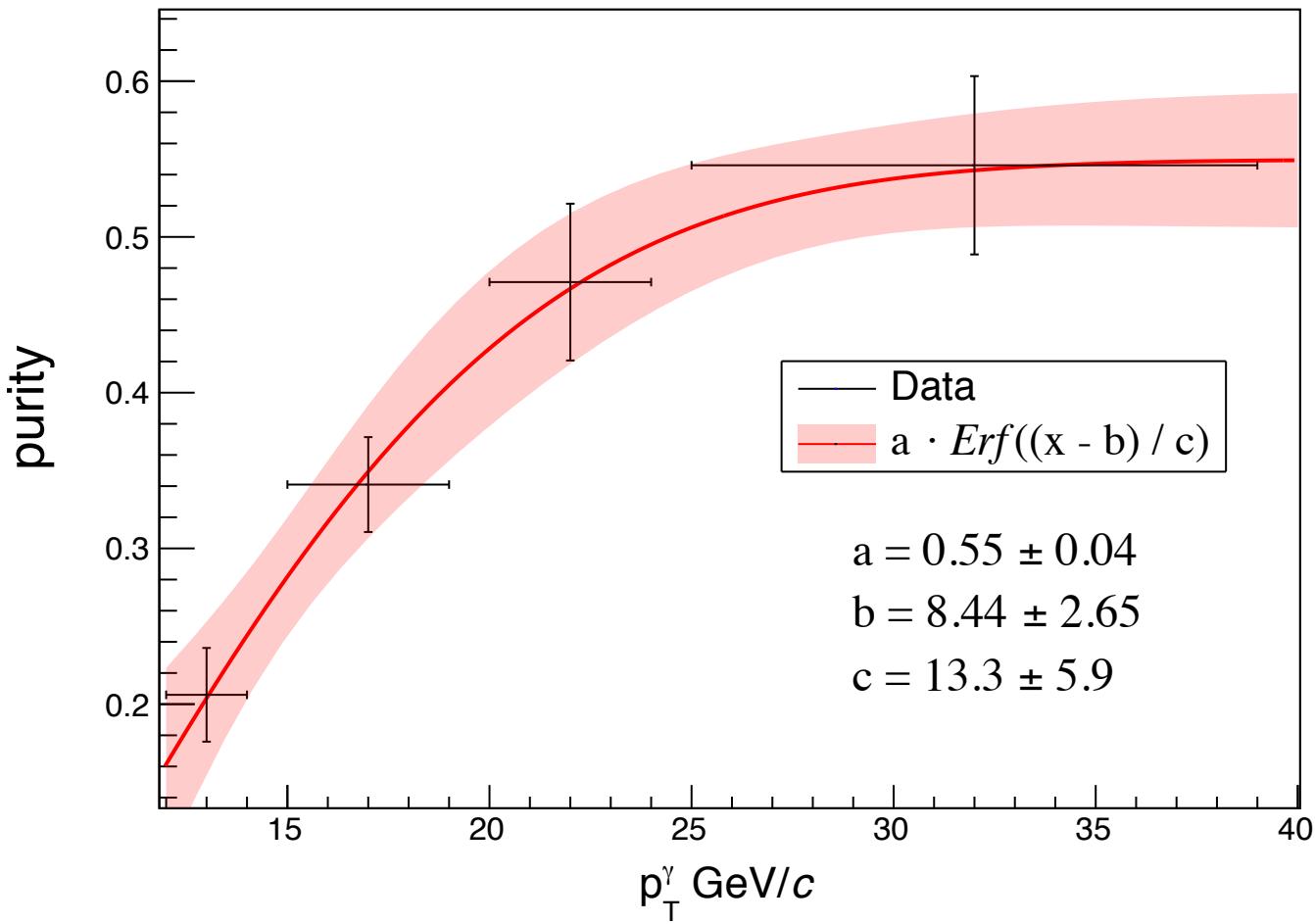
$$z_T = p_T^h/p_T^\gamma$$



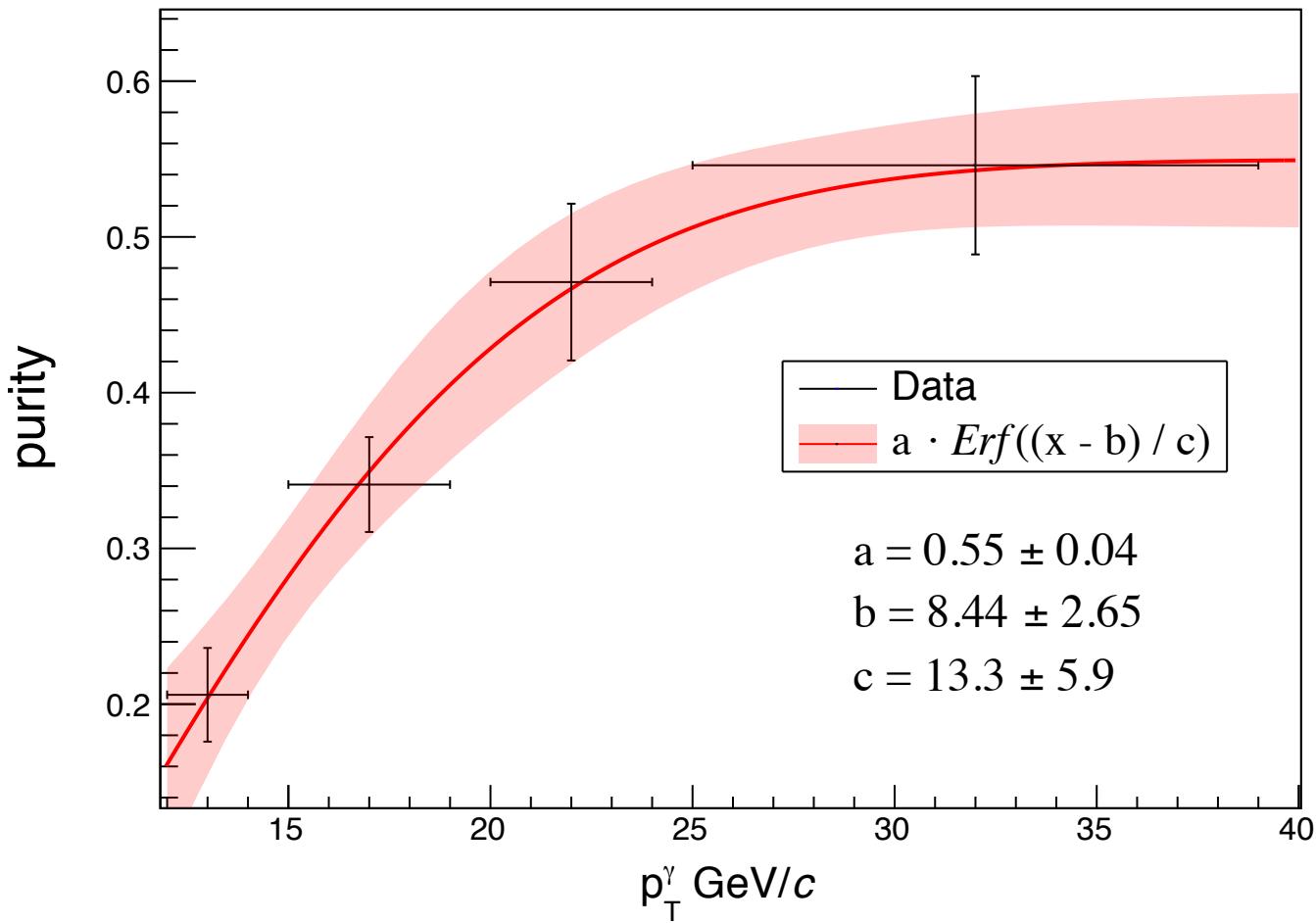
Integrated γ -Hadron Correlation: $7\pi/8 < \Delta\phi < \pi$



Error Function Fit to Purity (p-Pb)



Error Function Fit to Purity (p-Pb)



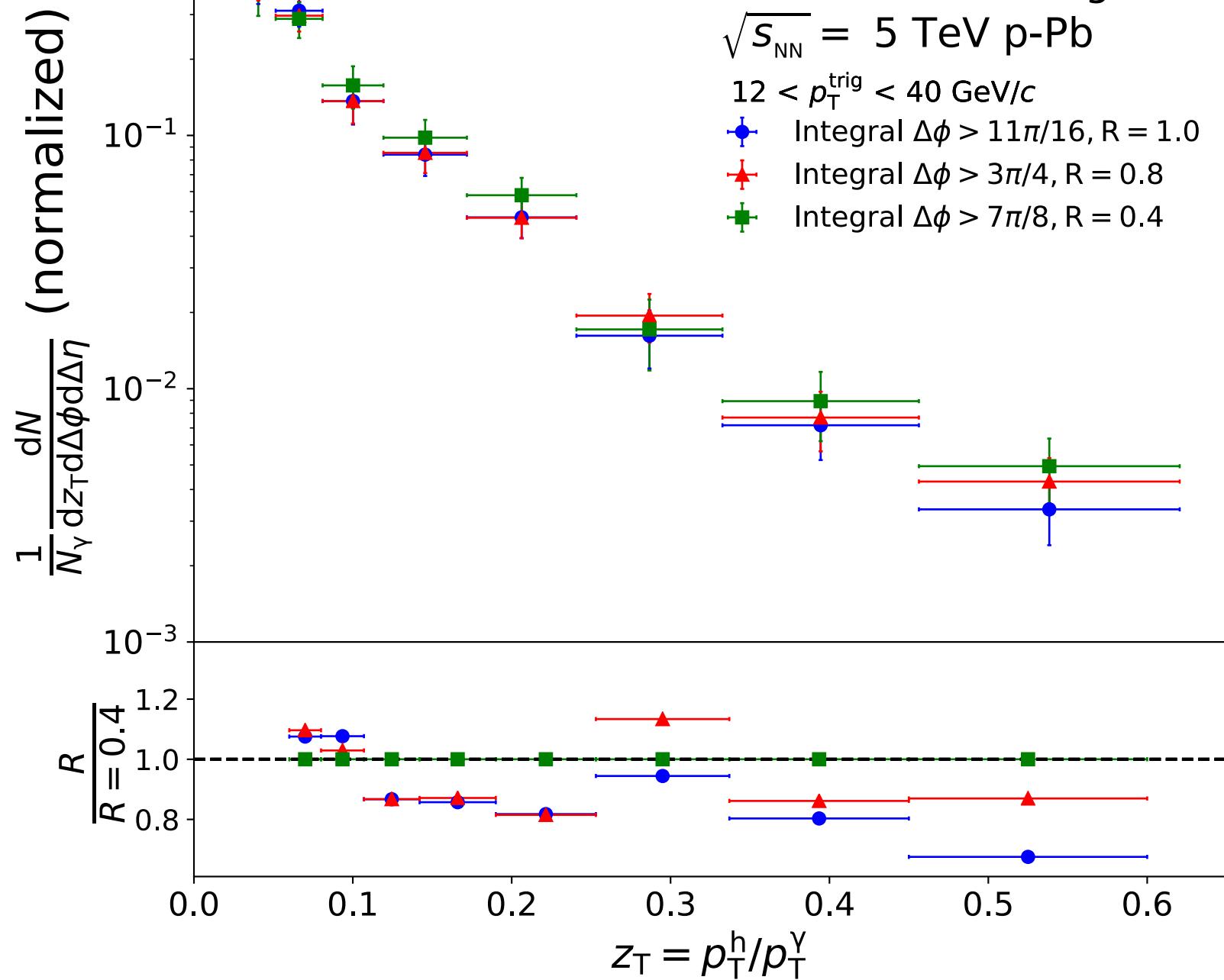
Integrated γ -Hadron Correlation

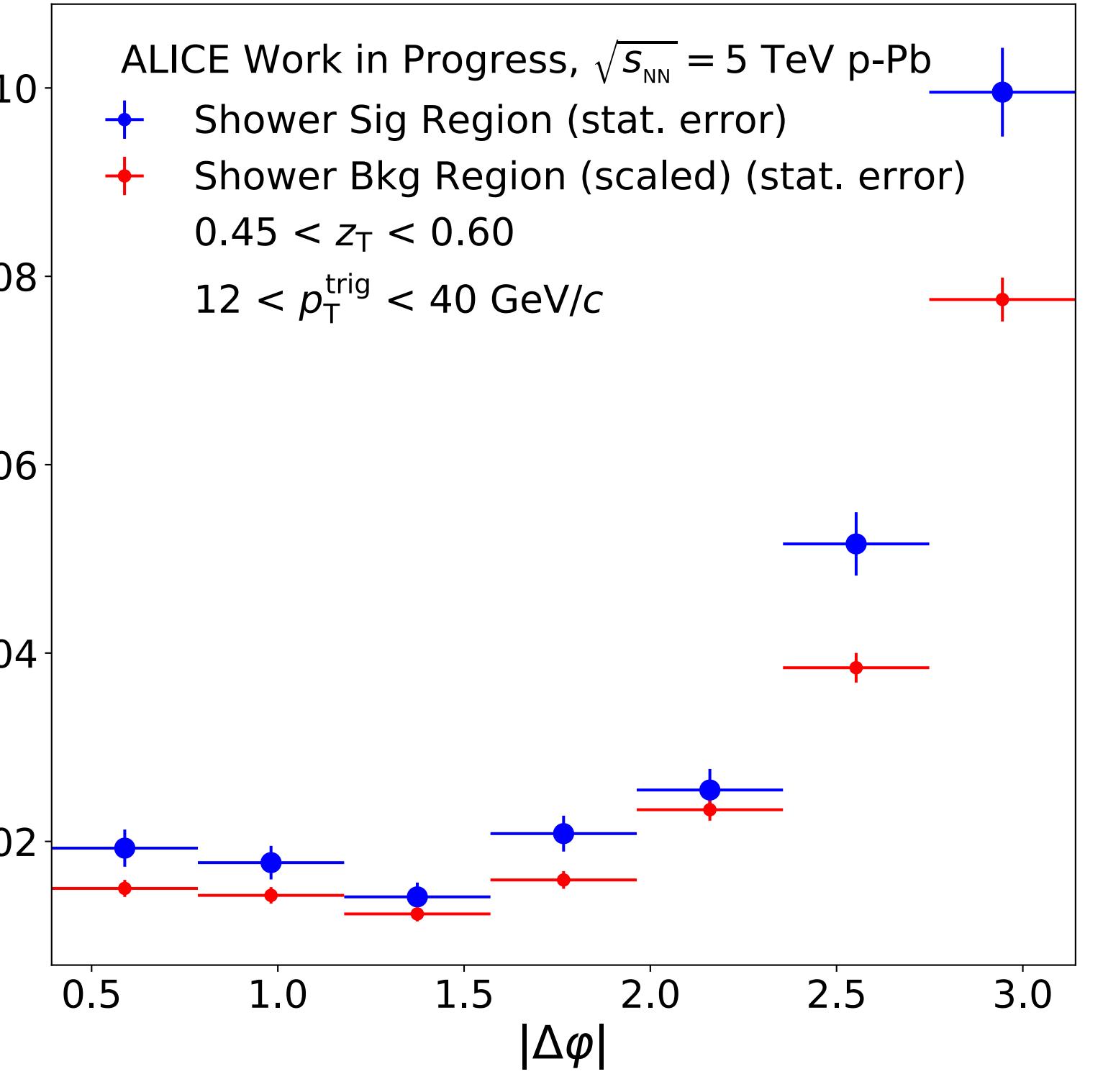
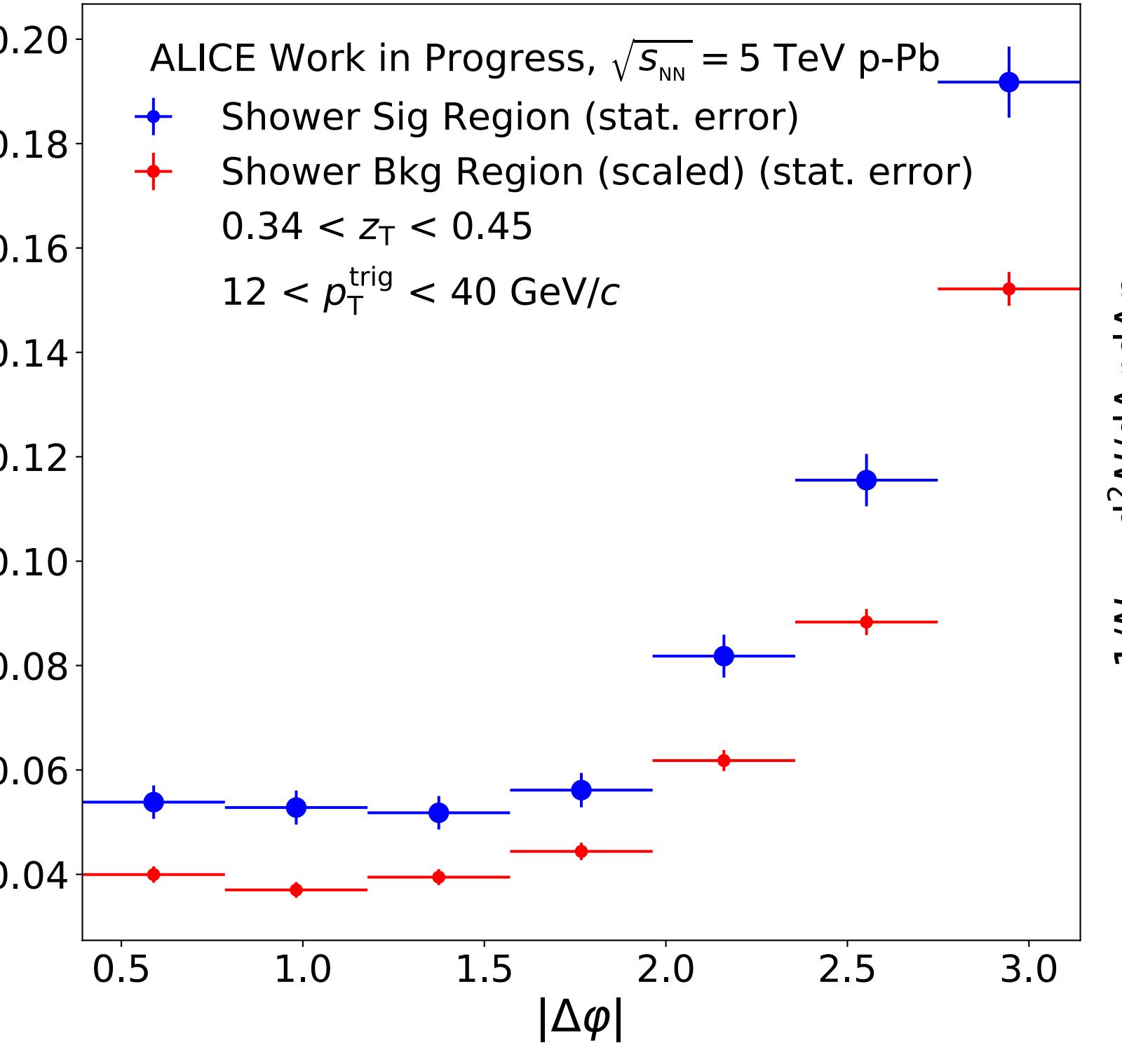
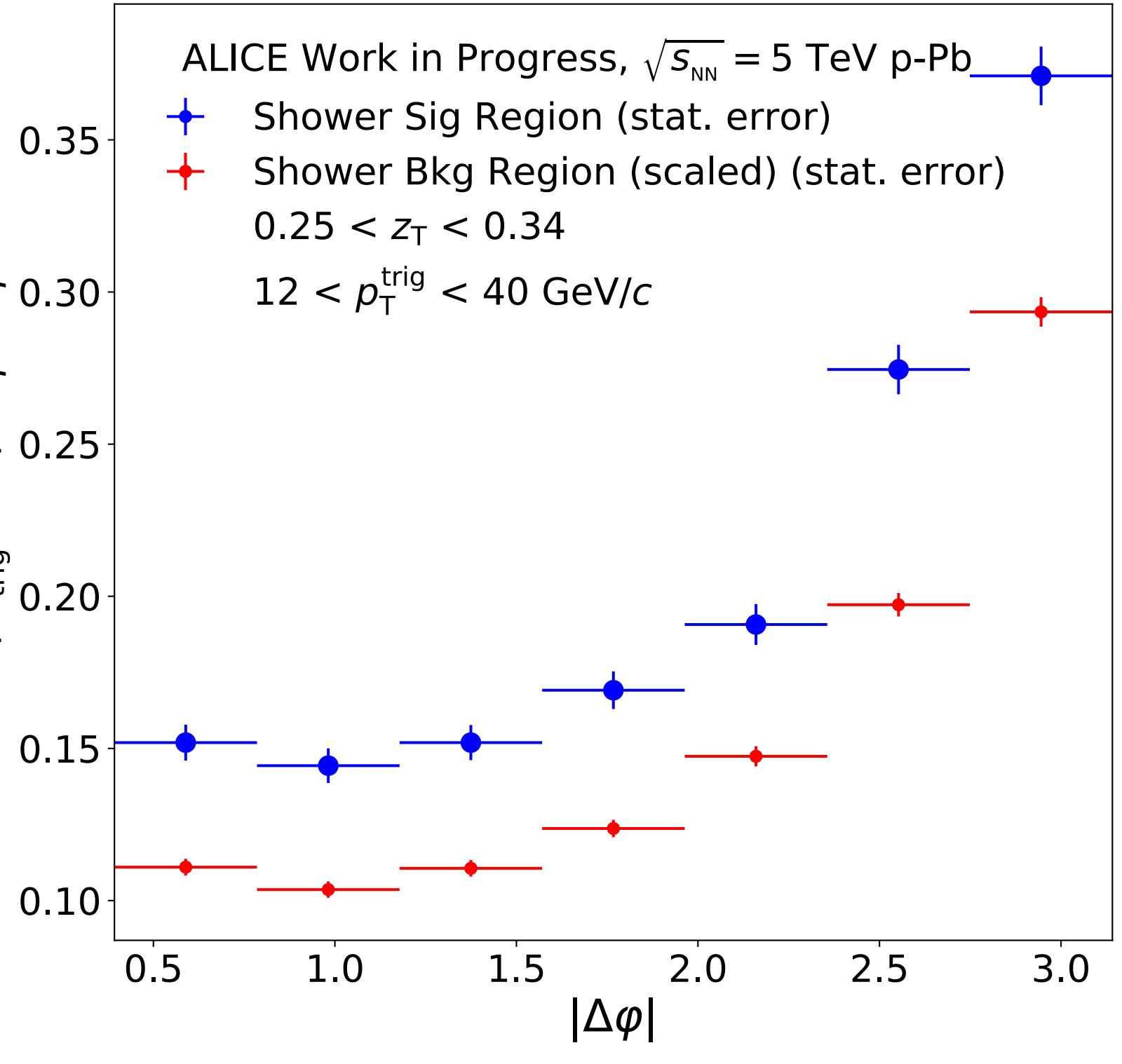
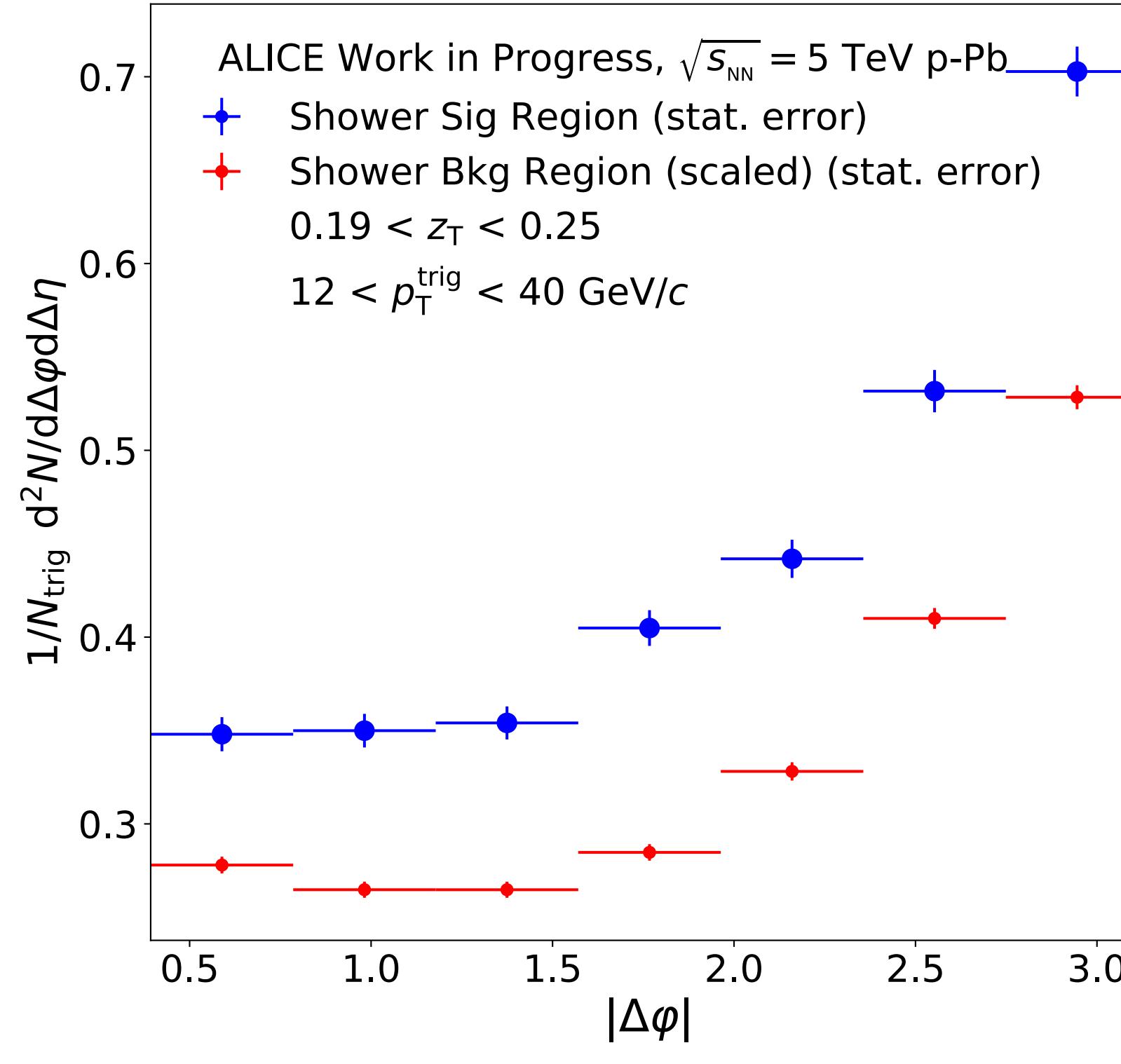
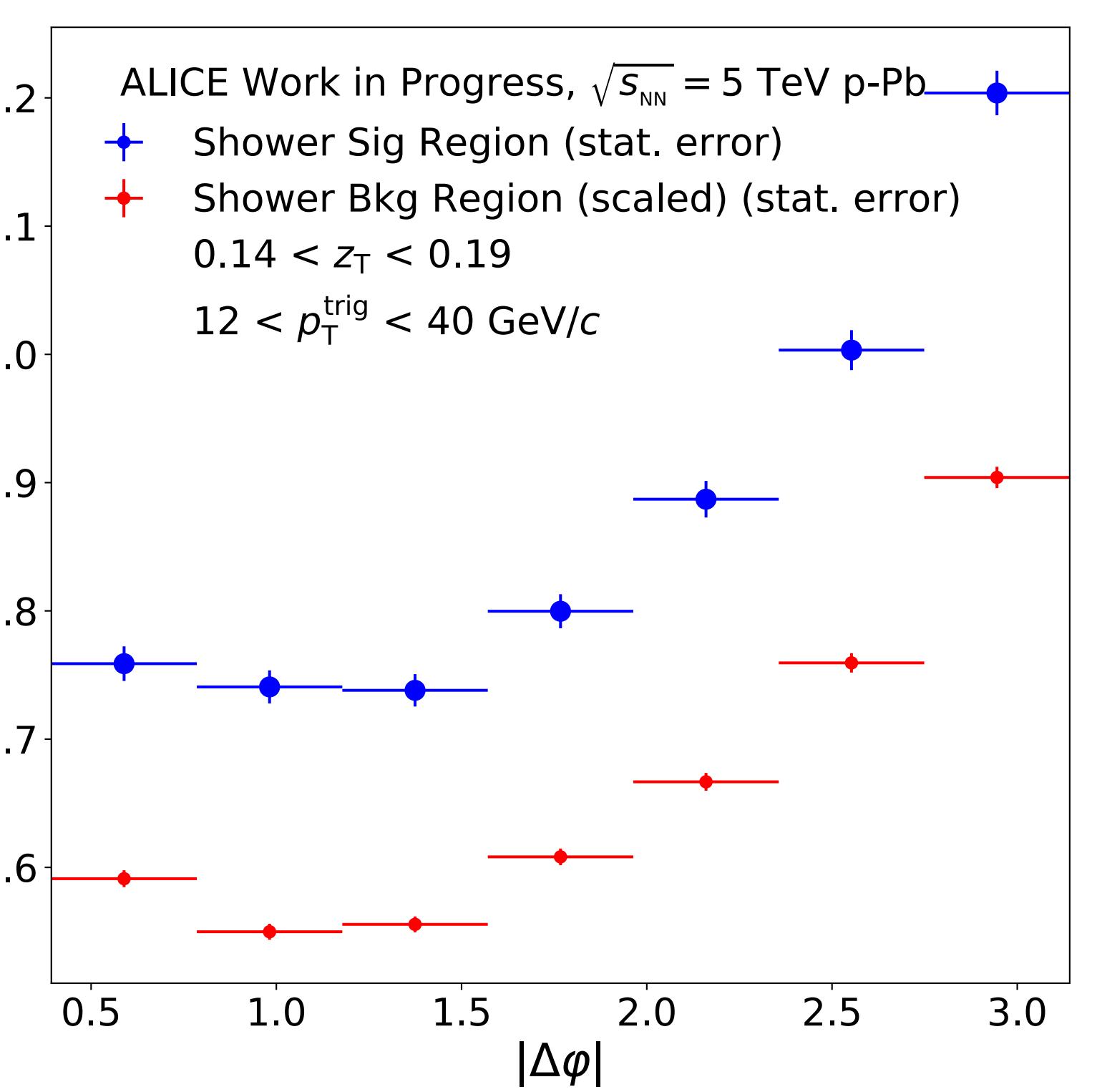
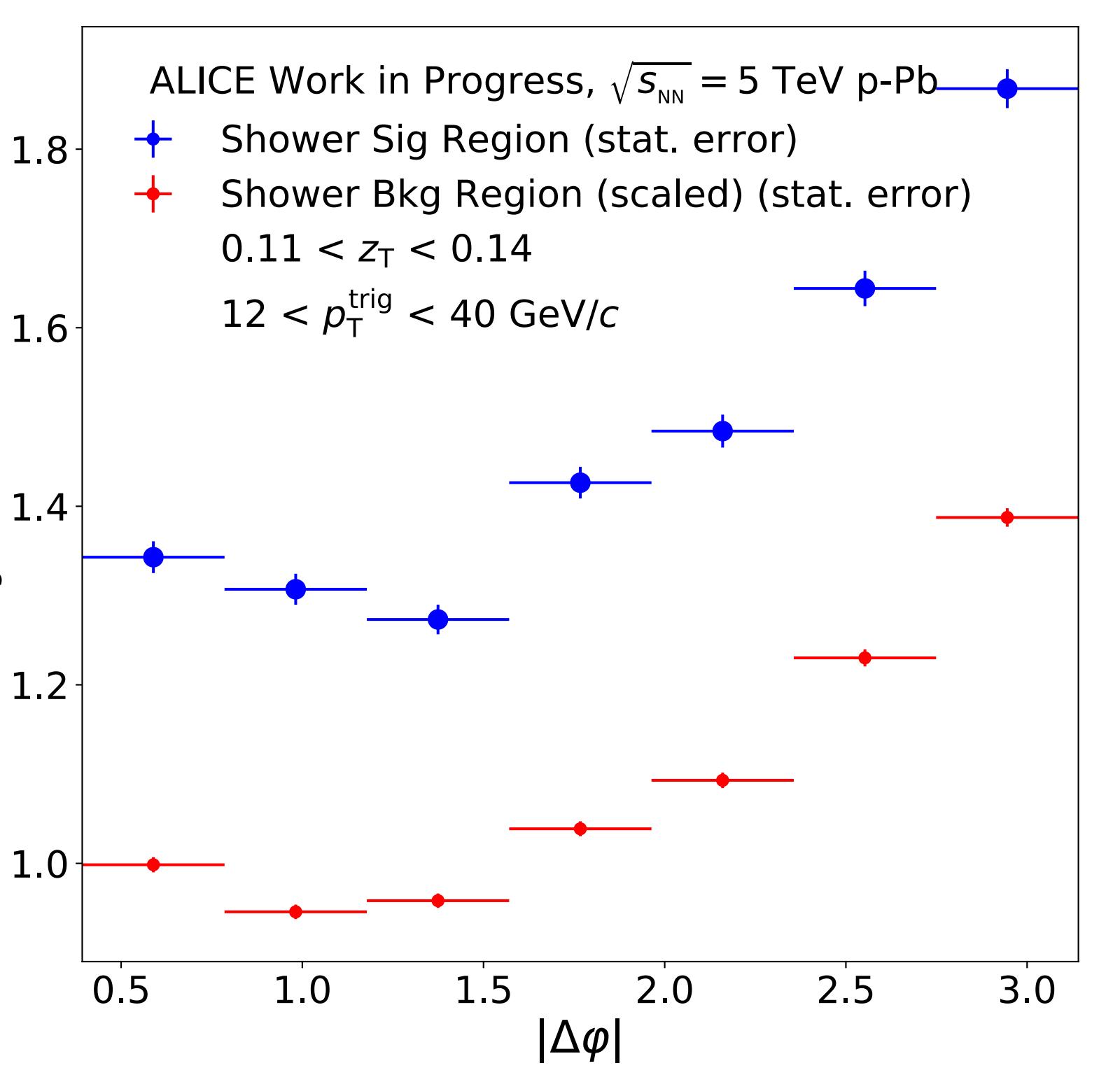
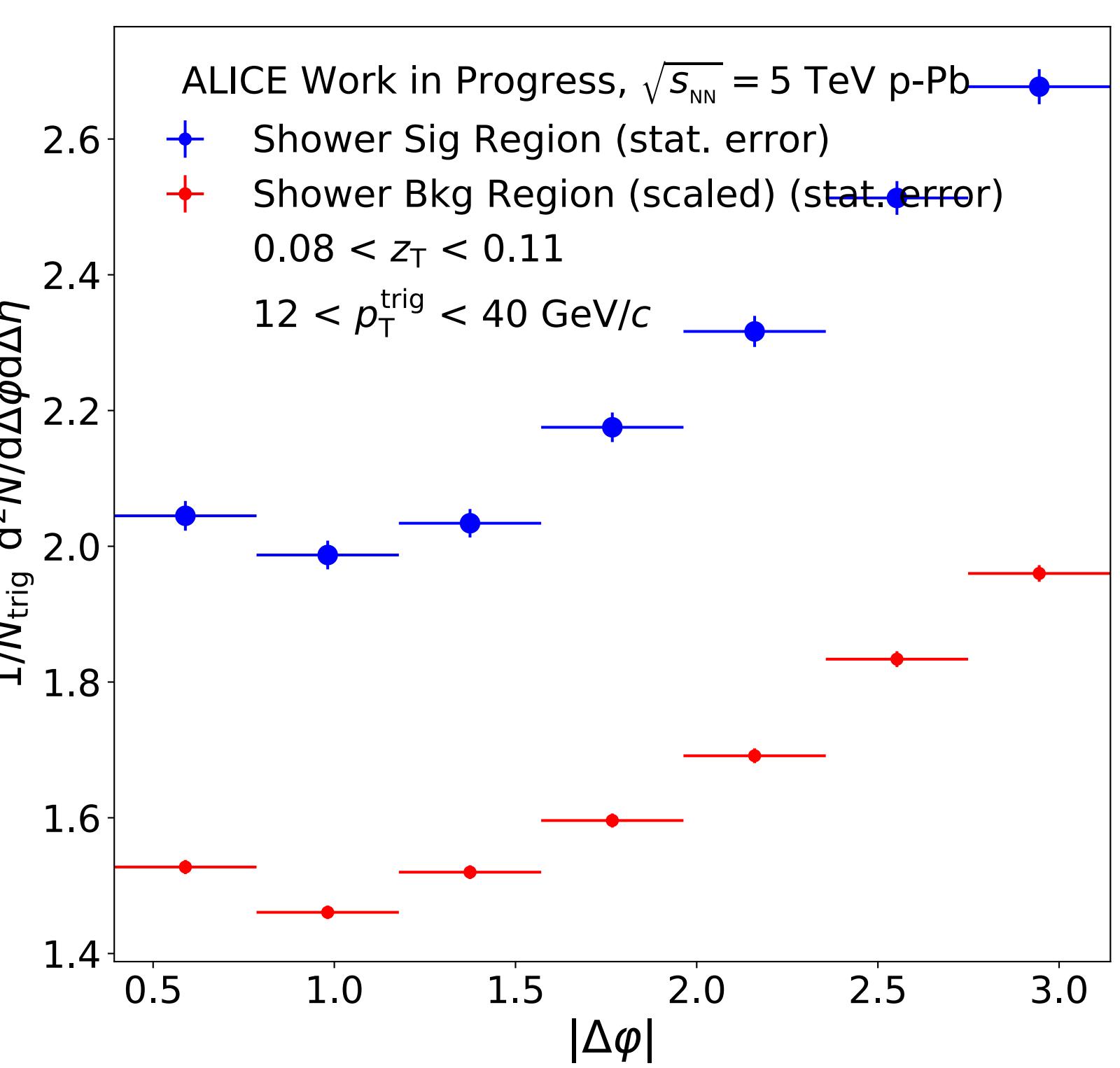
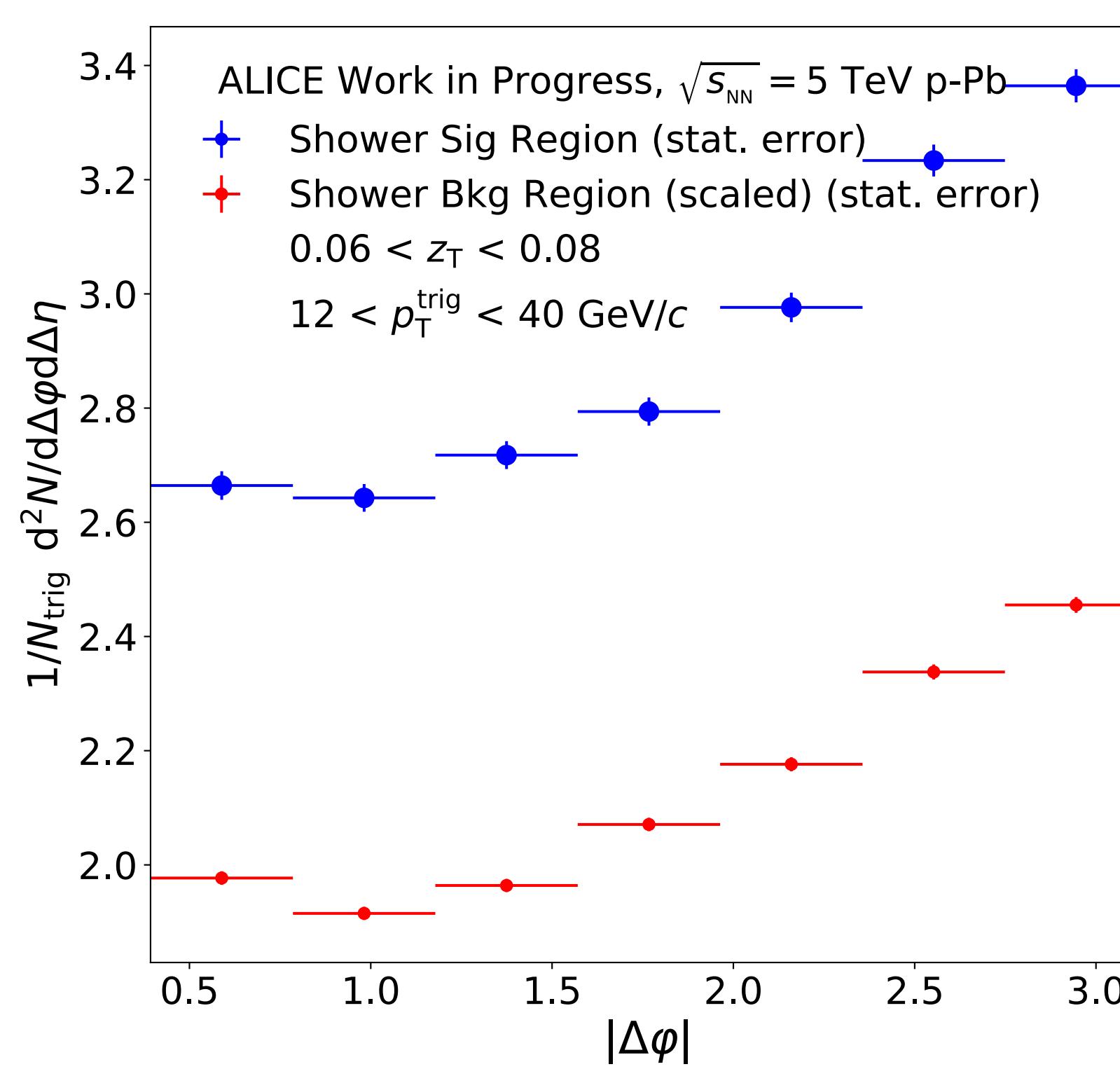
ALICE Work in Progress

$\sqrt{s_{NN}} = 5 \text{ TeV p-Pb}$

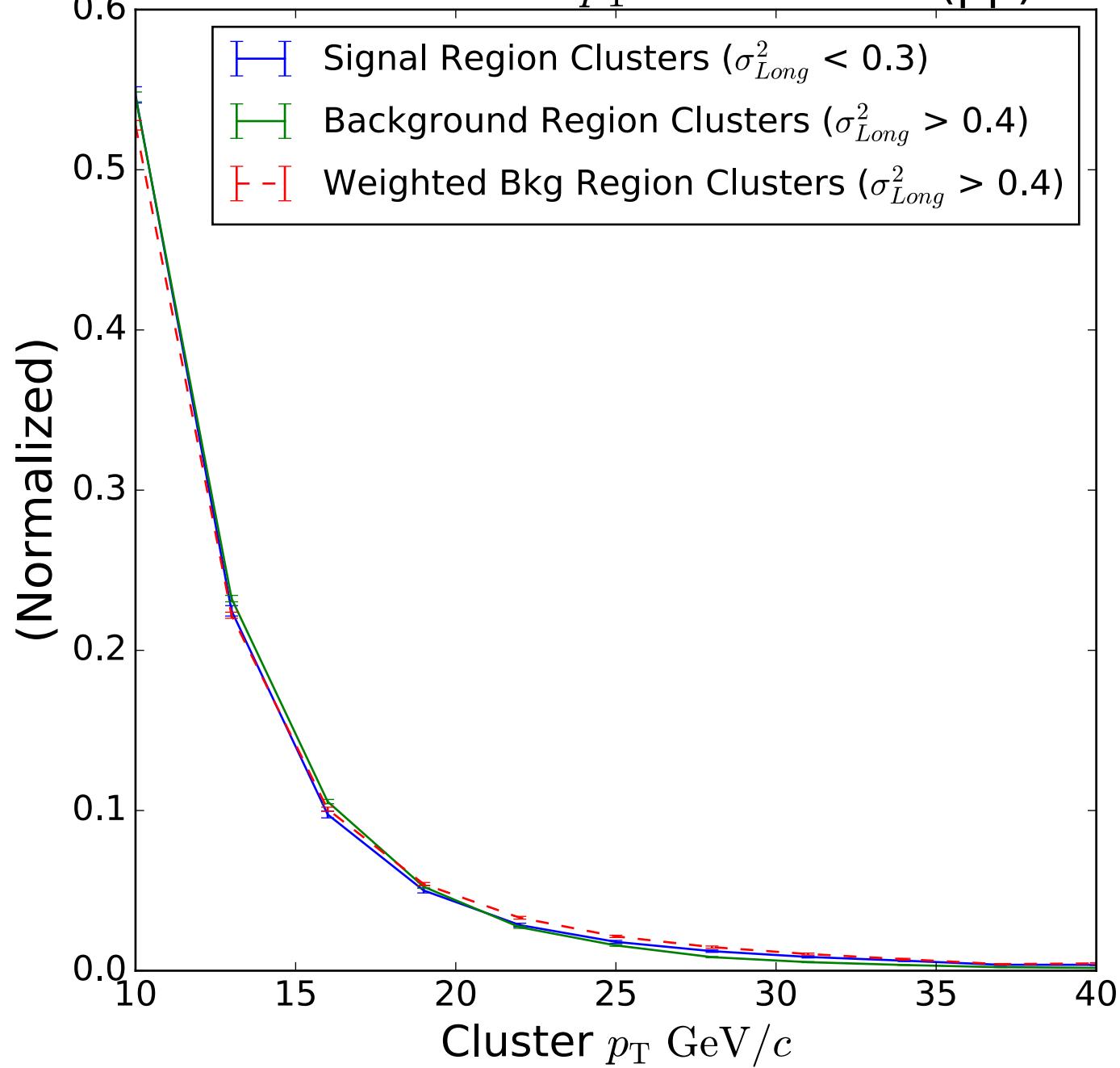
$12 < p_T^{\text{trig}} < 40 \text{ GeV}/c$

- Integral $\Delta\phi > 11\pi/16$, $R = 1.0$
- ▲ Integral $\Delta\phi > 3\pi/4$, $R = 0.8$
- Integral $\Delta\phi > 7\pi/8$, $R = 0.4$

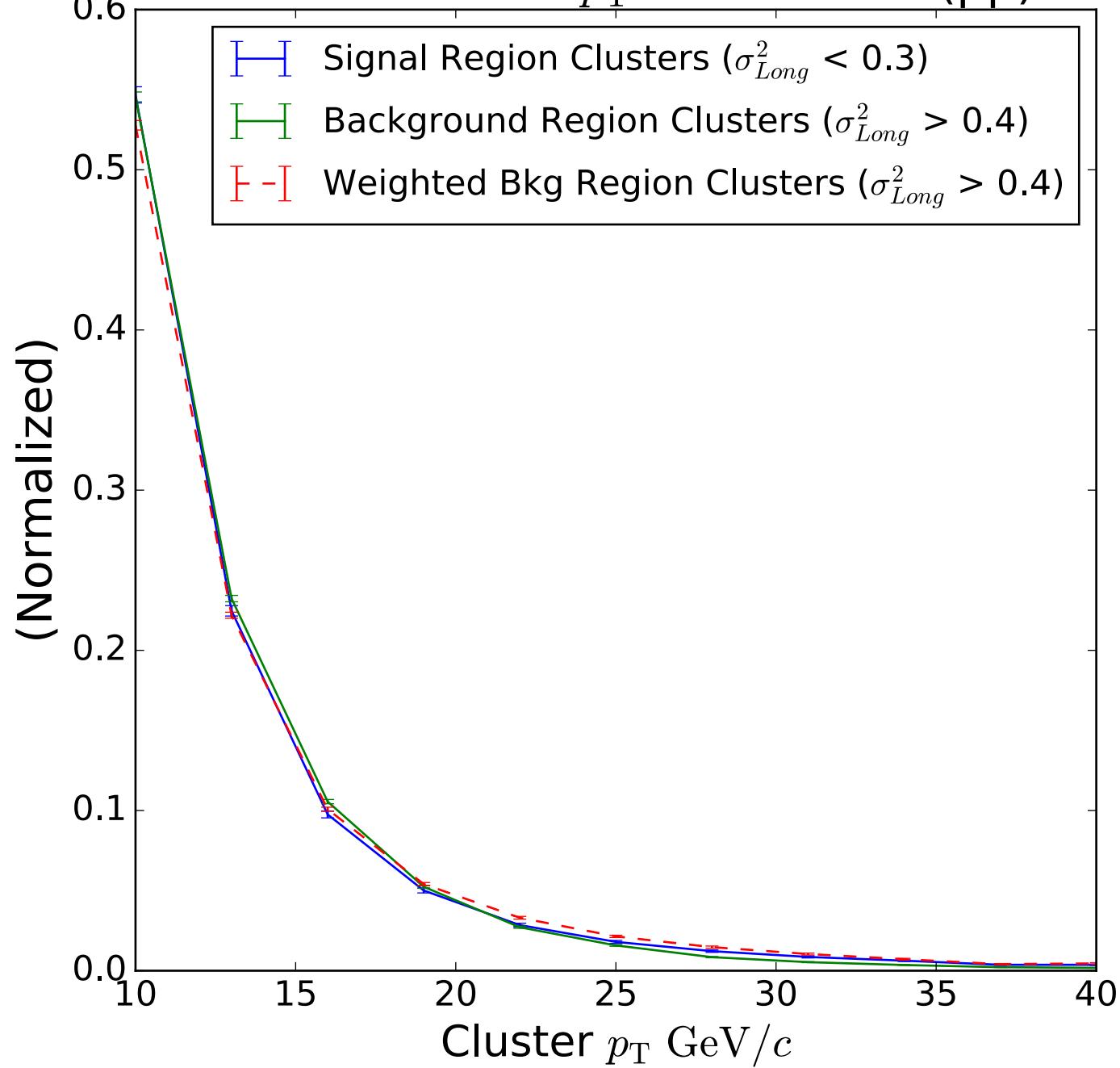




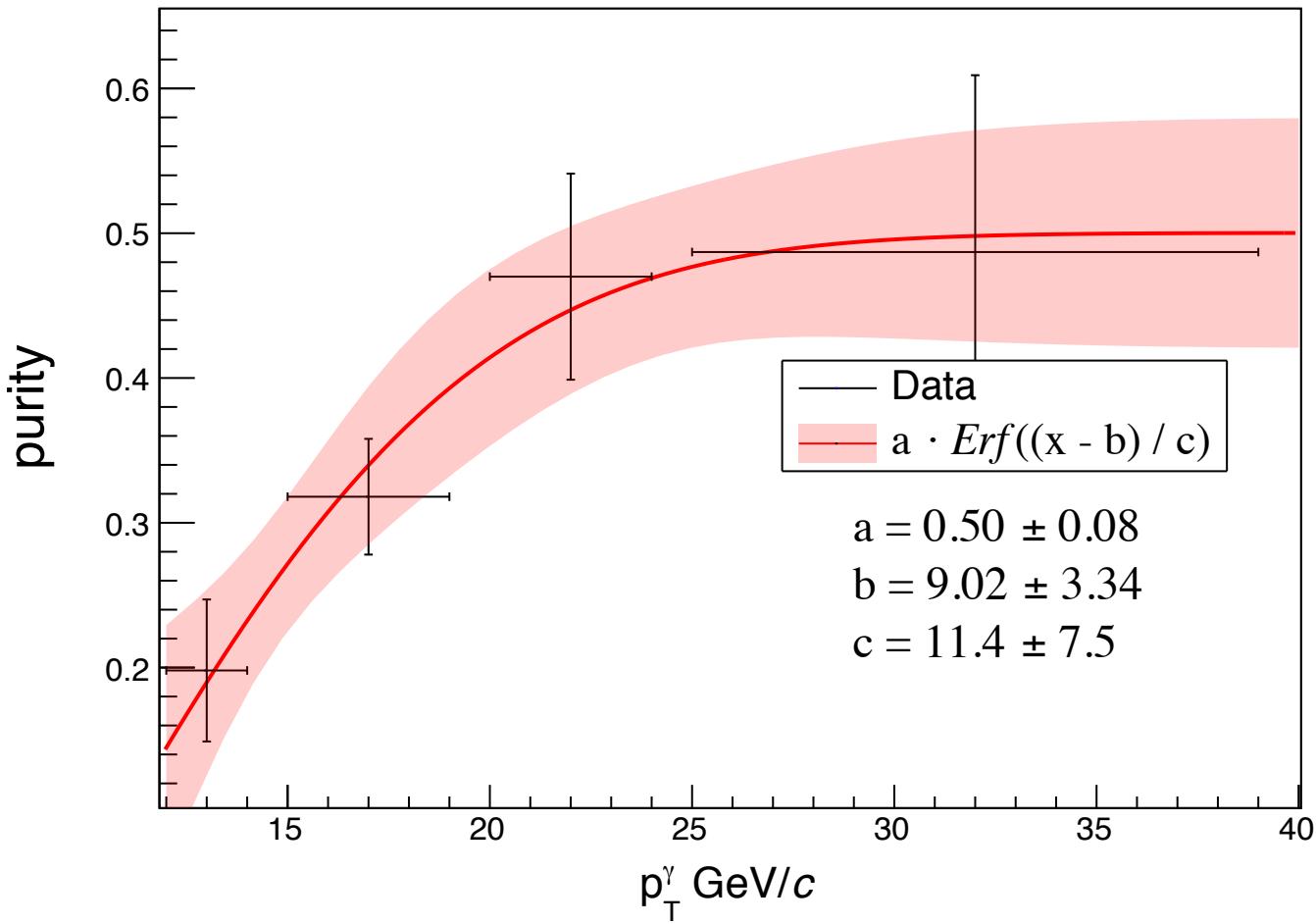
Isolated Cluster p_T Distribution (pp)



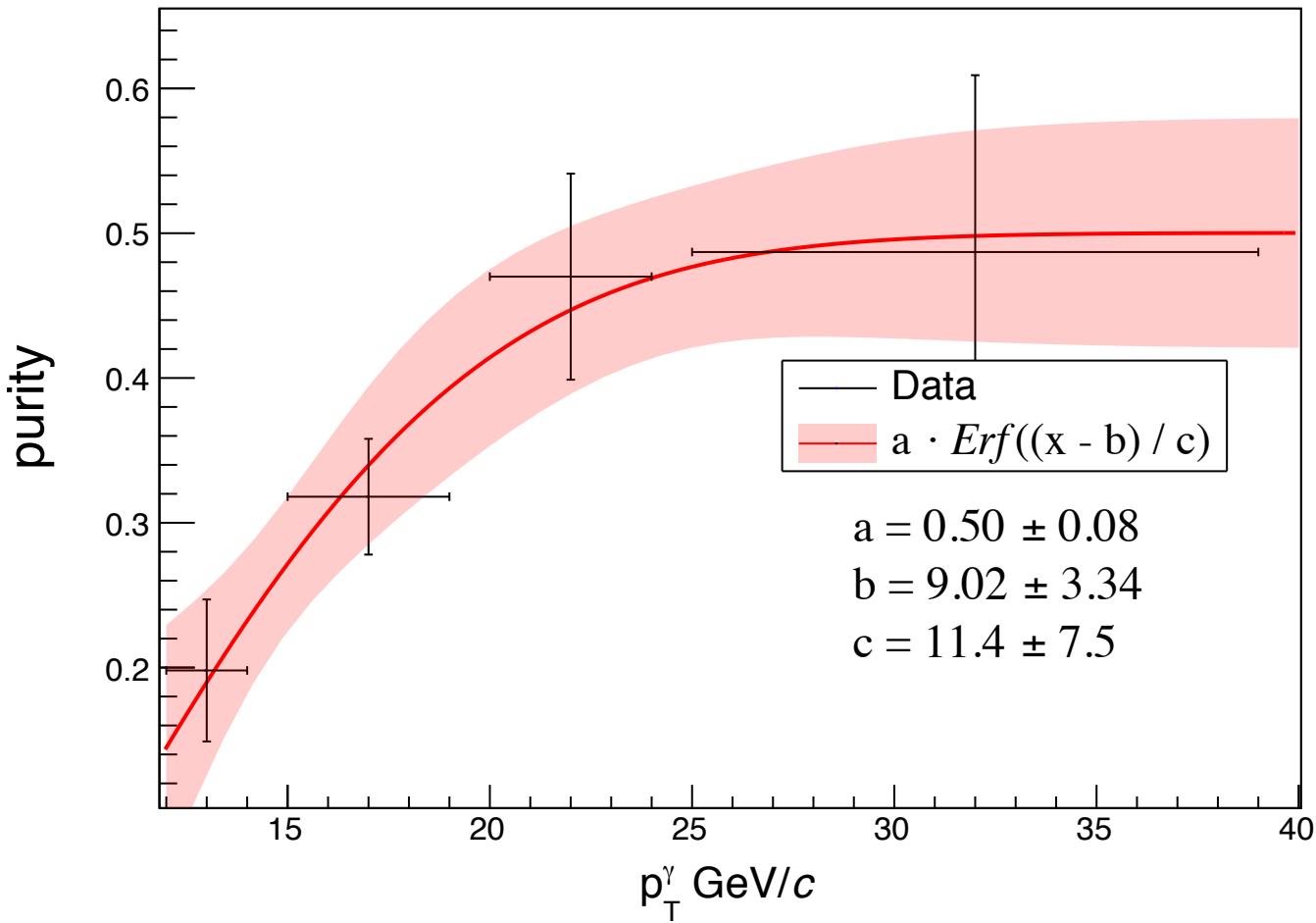
Isolated Cluster p_T Distribution (pp)



Error Function Fit to Purity (pp)



Error Function Fit to Purity (pp)



Integrated γ -Hadron Correlation

ALICE Work in Progress

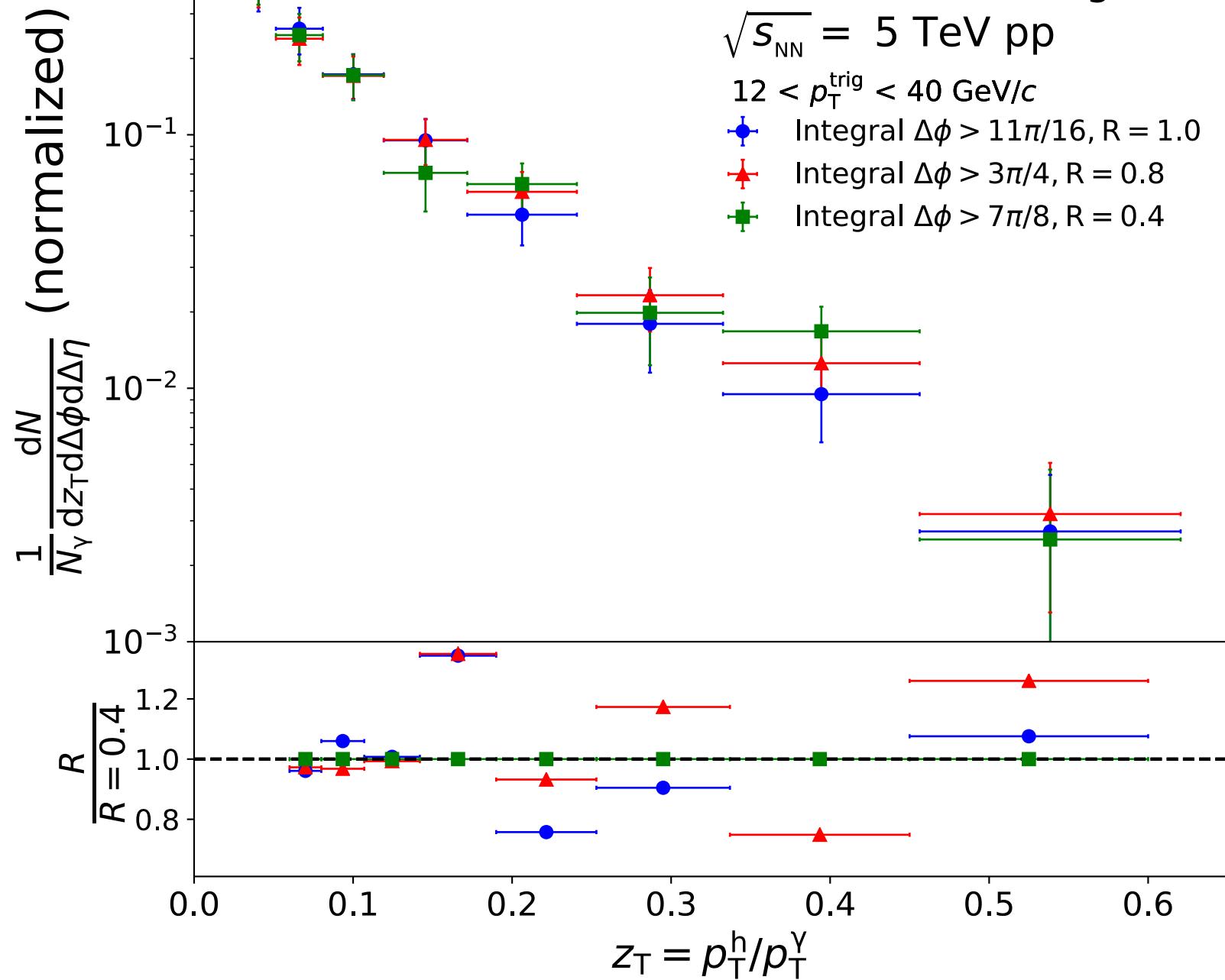
$\sqrt{s_{\text{NN}}} = 5 \text{ TeV pp}$

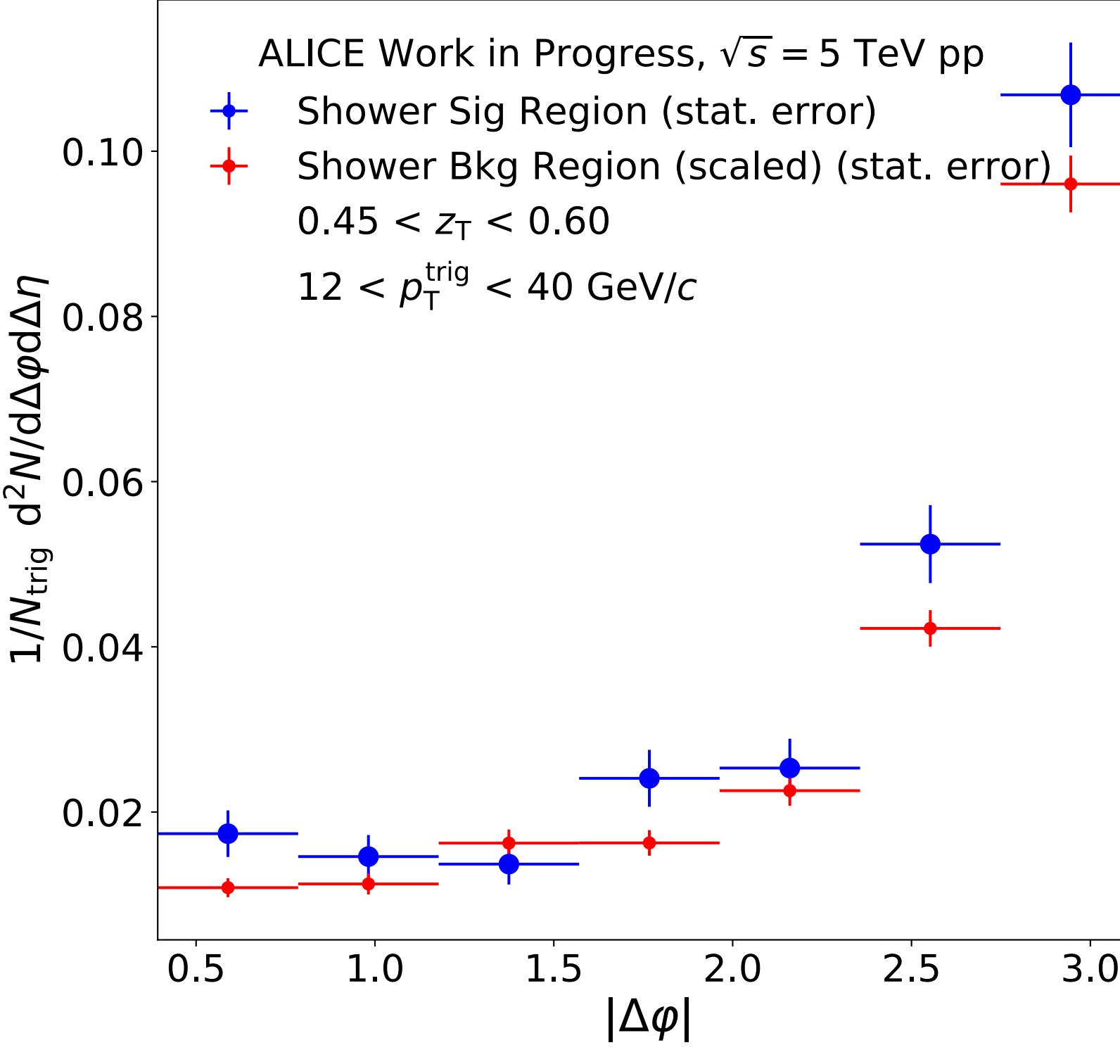
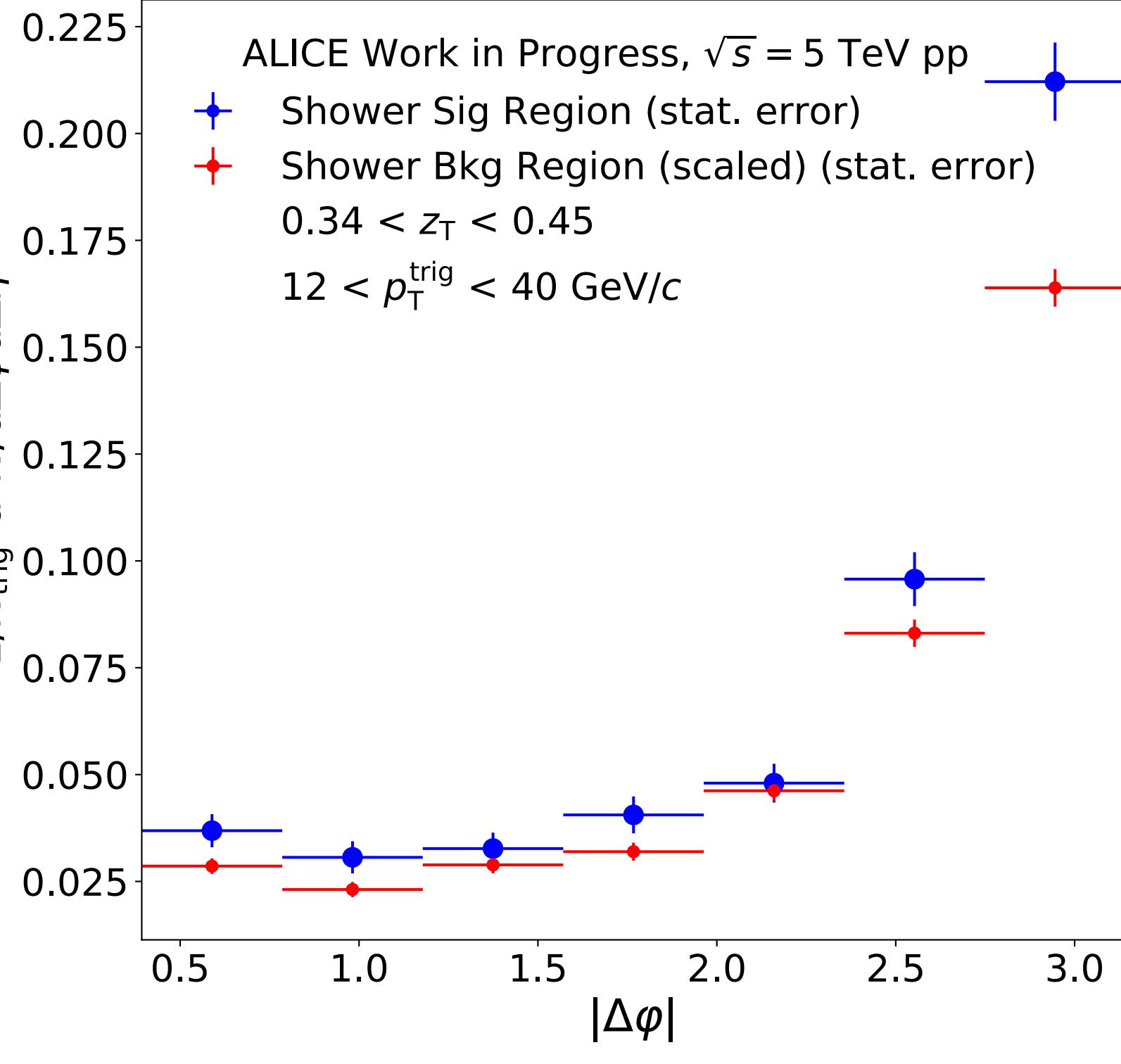
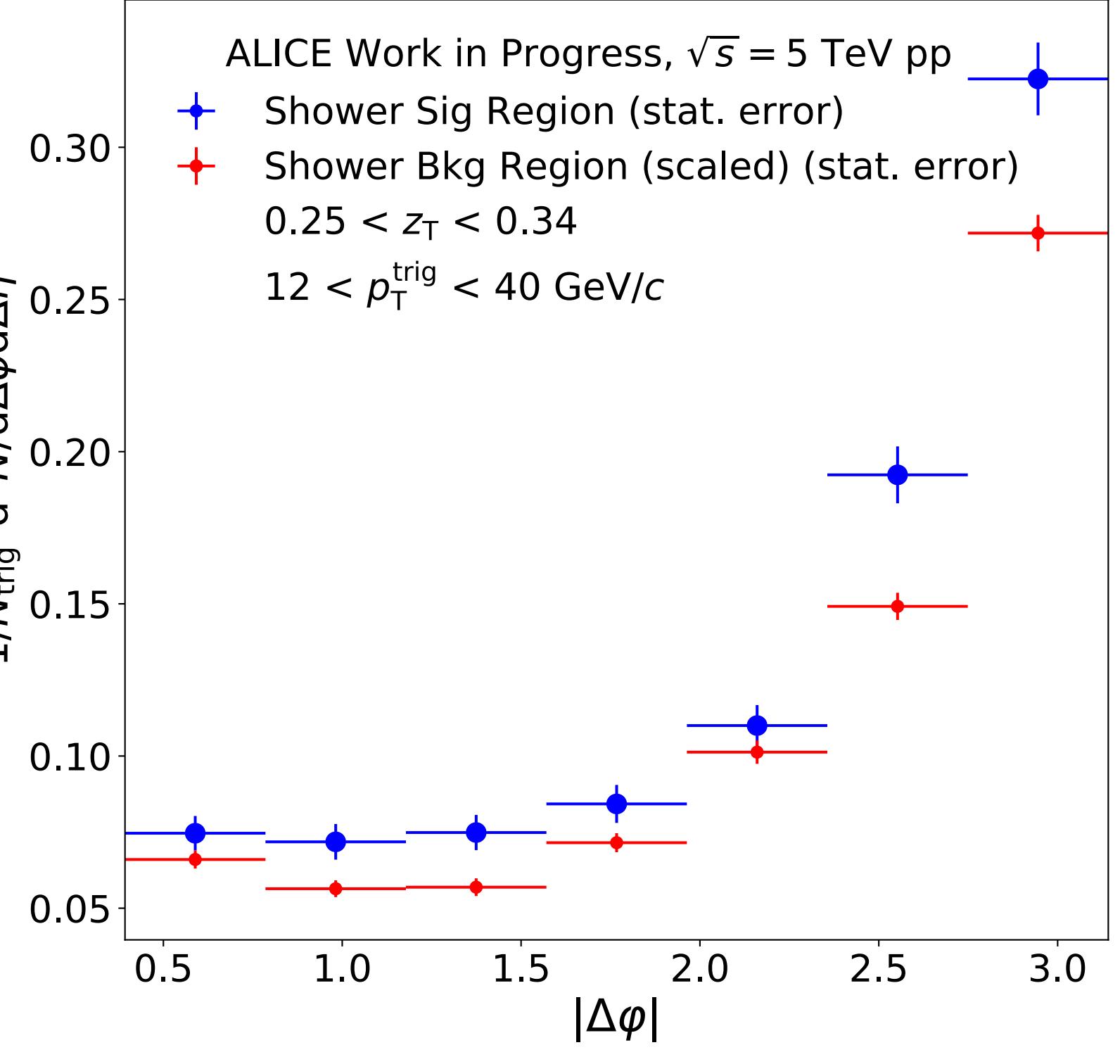
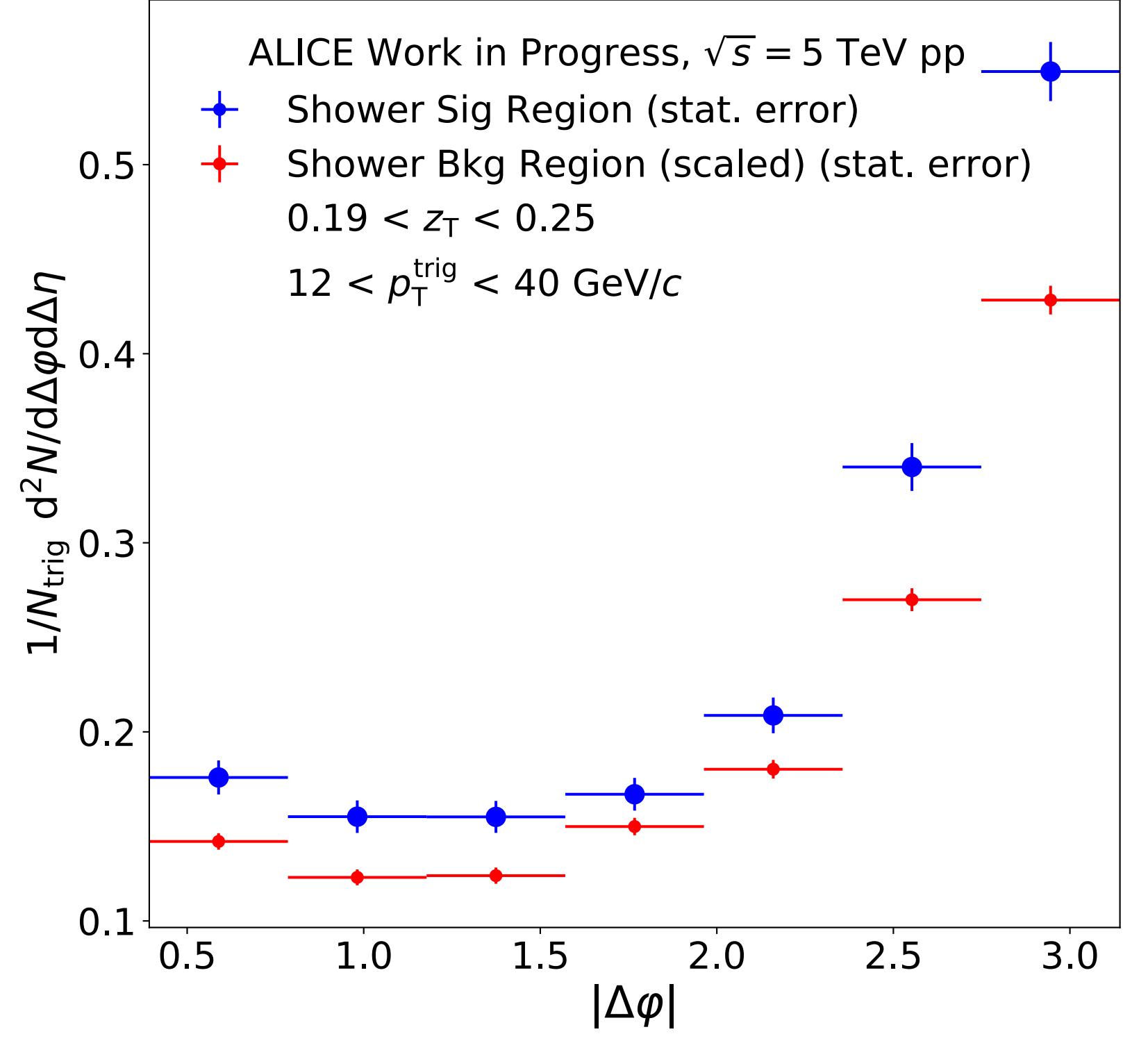
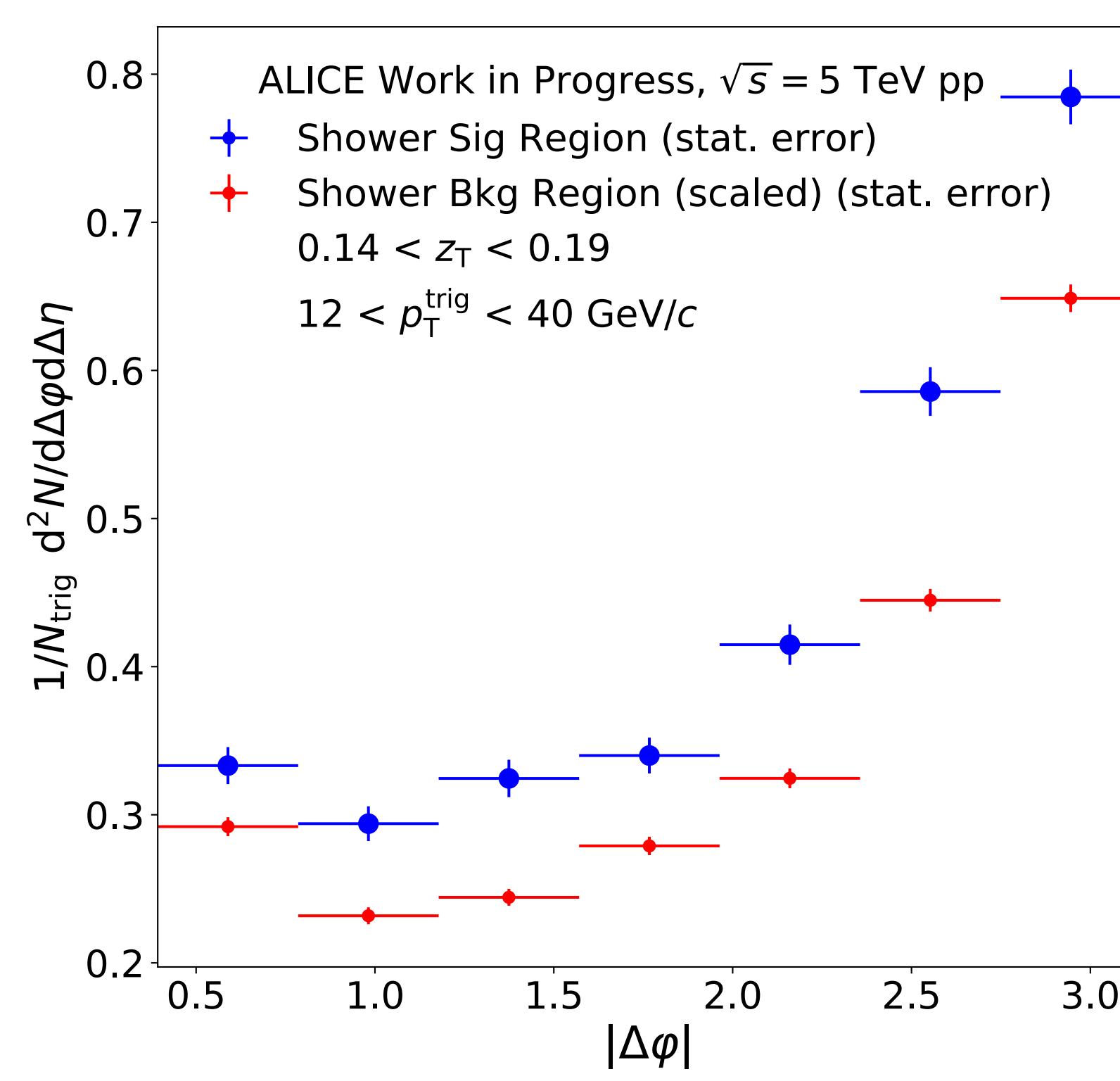
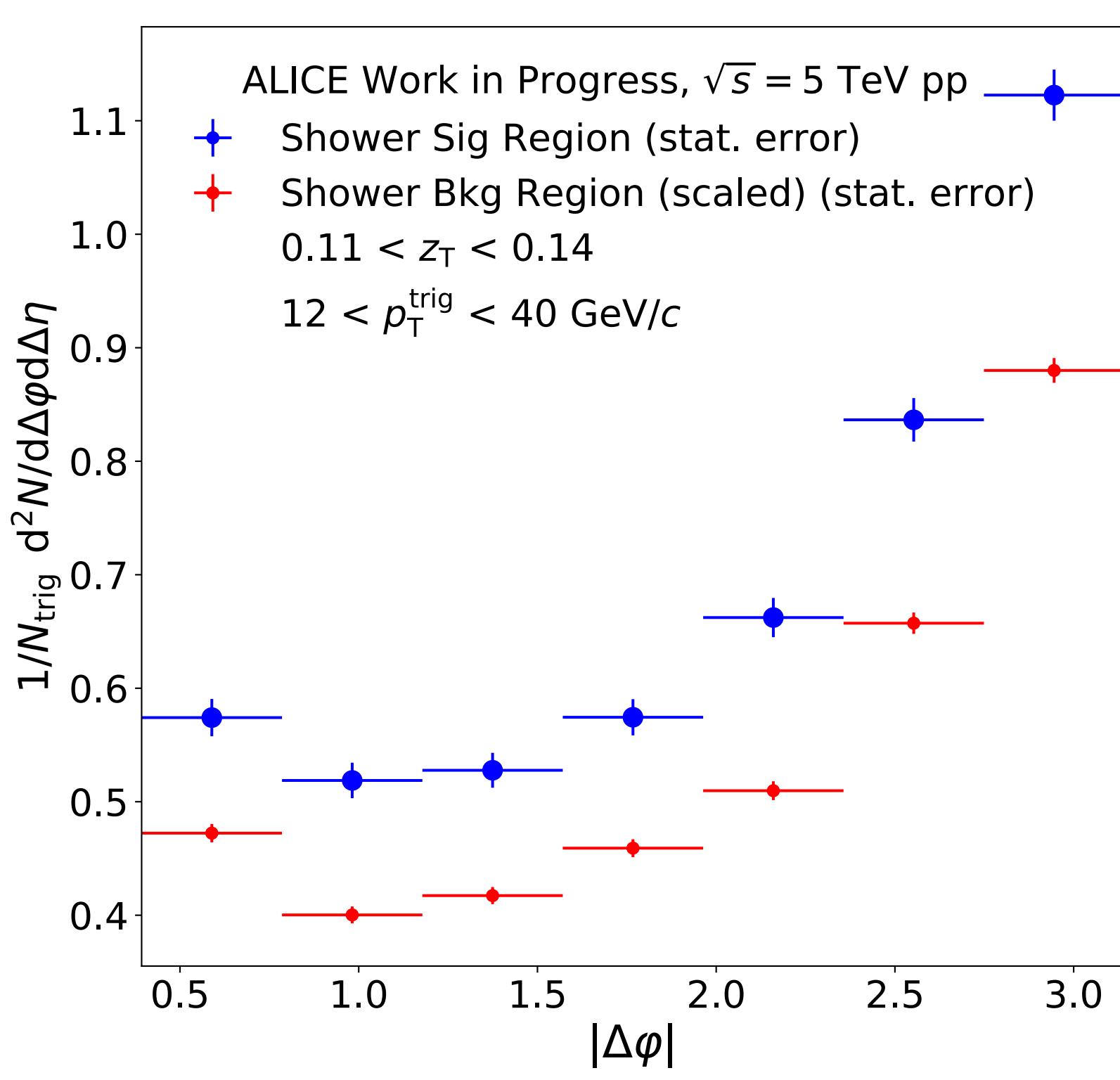
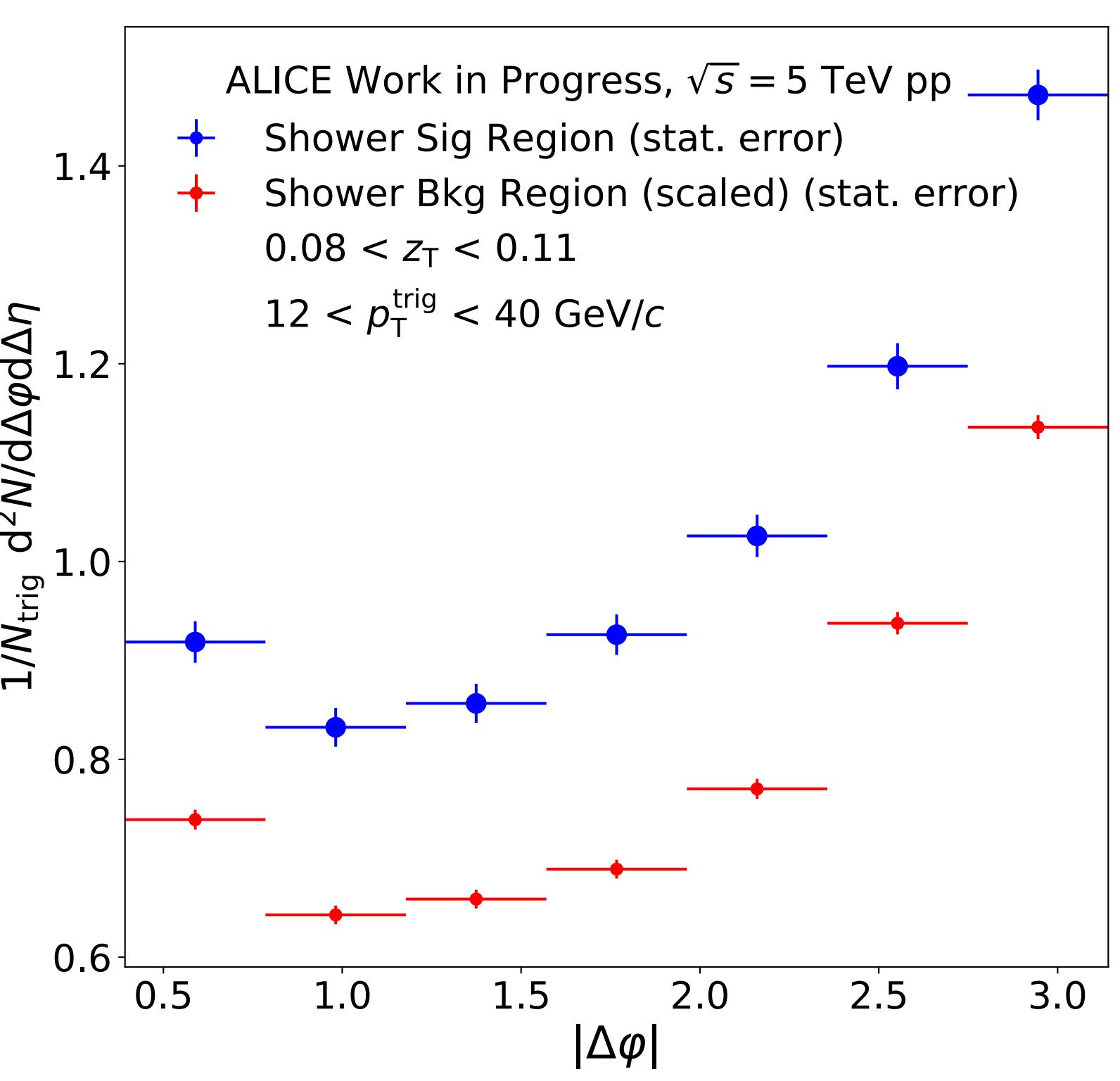
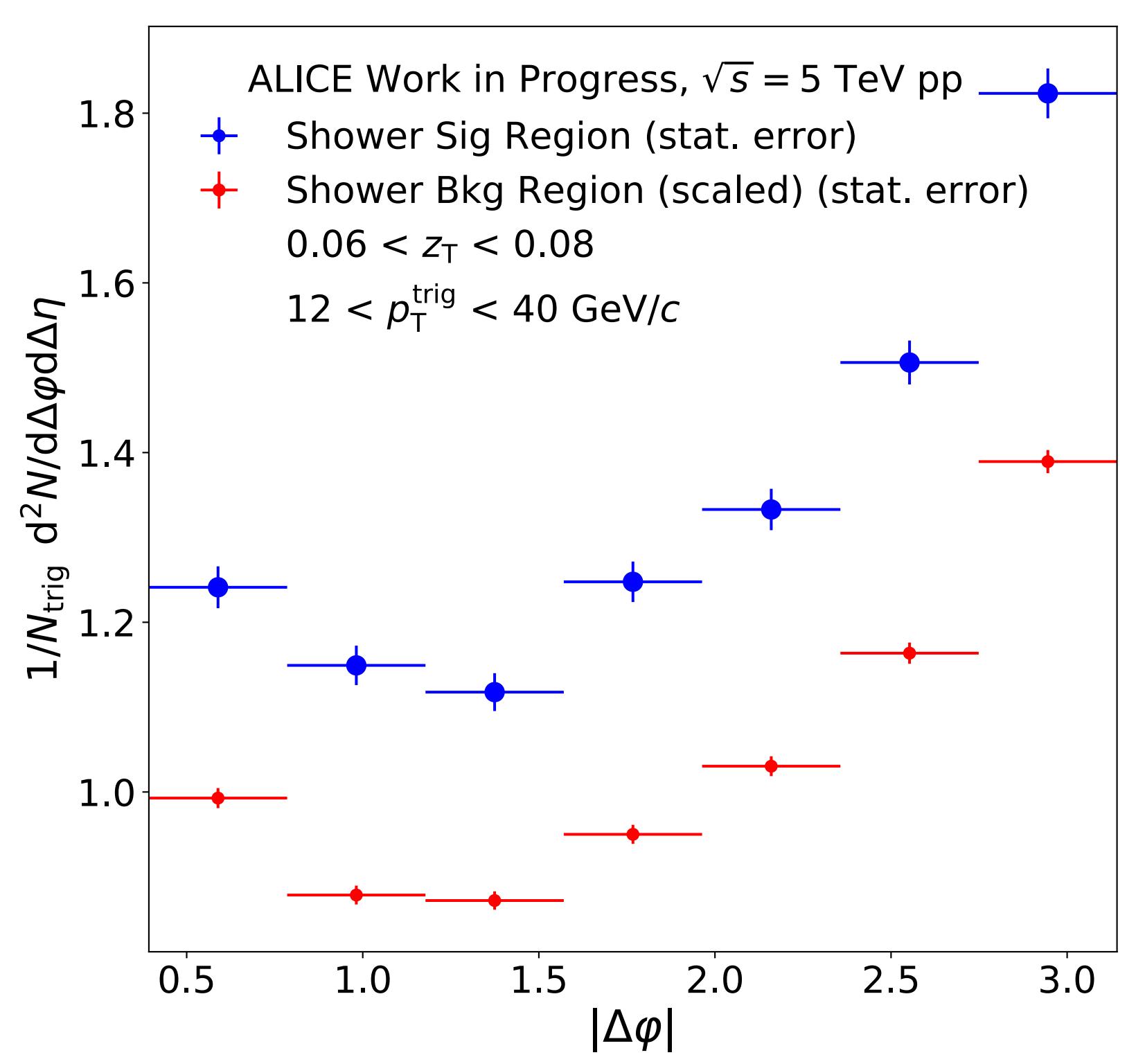
$12 < p_T^{\text{trig}} < 40 \text{ GeV}/c$

Integral $\Delta\phi > 11\pi/16$, $R = 1.0$

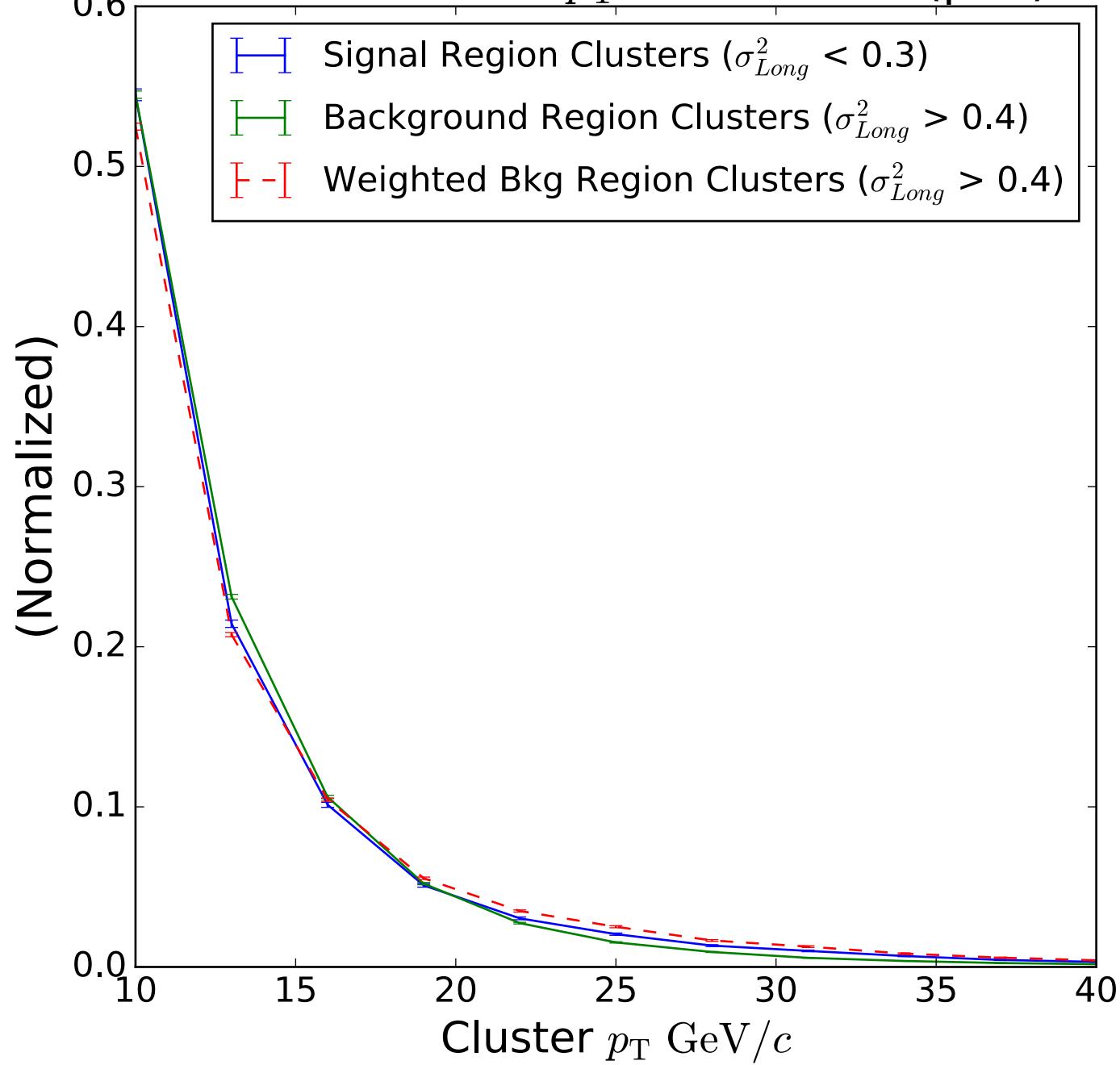
Integral $\Delta\phi > 3\pi/4$, $R = 0.8$

Integral $\Delta\phi > 7\pi/8$, $R = 0.4$

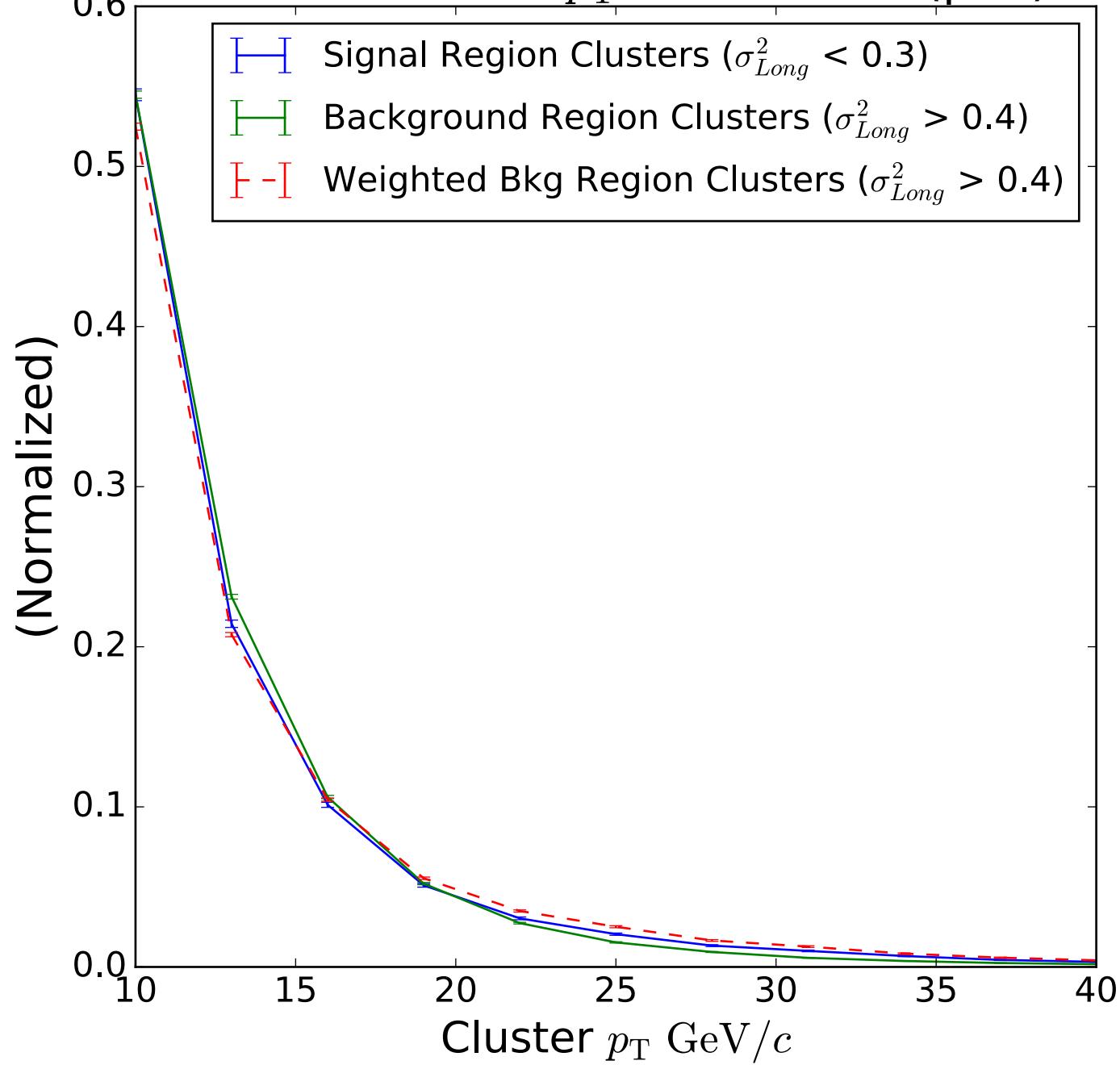




Isolated Cluster p_T Distribution (pPb)



Isolated Cluster p_T Distribution (pPb)



ALICE Work in Progress

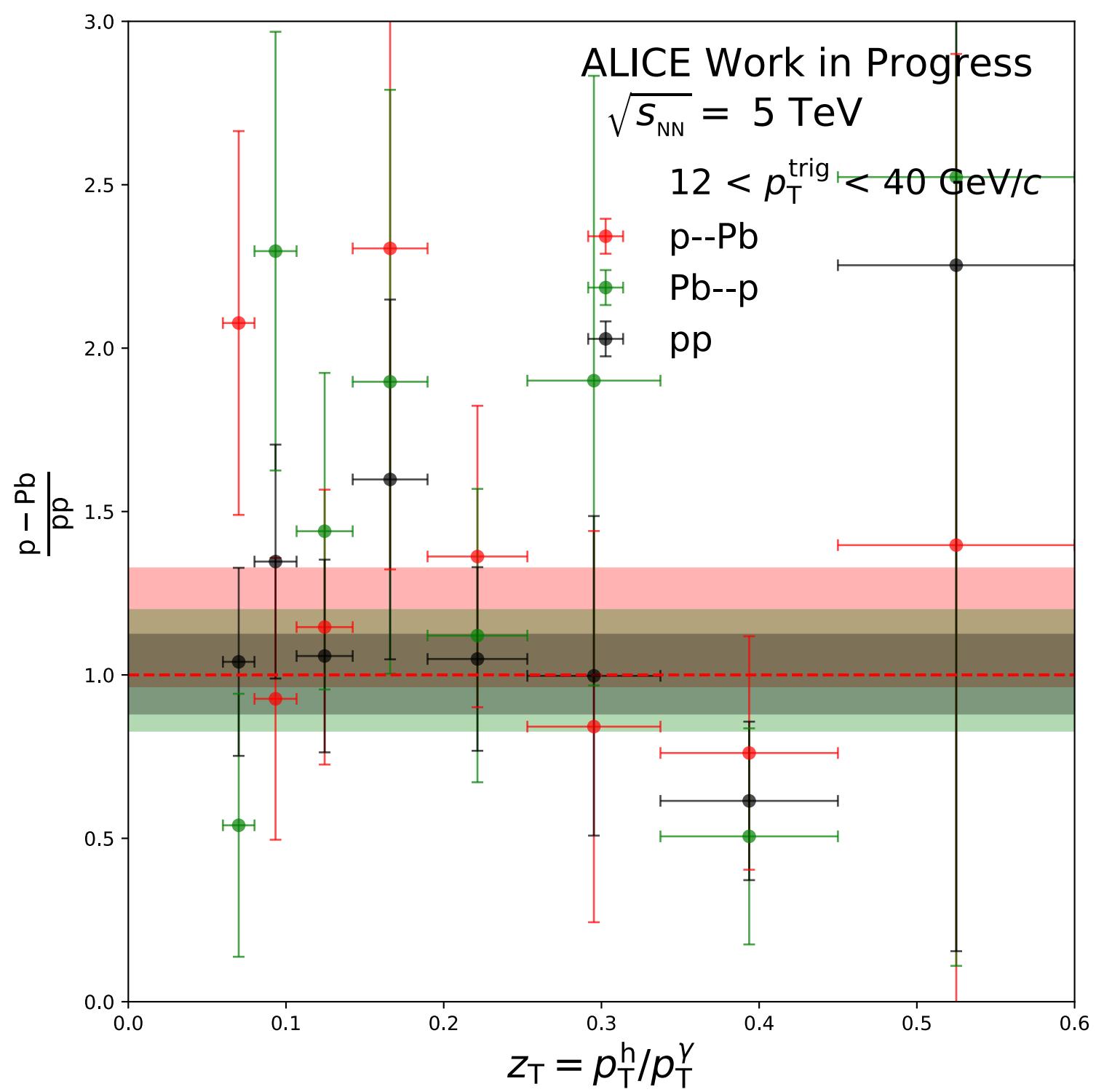
$\sqrt{s_{\text{NN}}} = 5 \text{ TeV}$

$12 < p_T^{\text{trig}} < 40 \text{ GeV}/c$

p--Pb

Pb--p

pp



ALICE Work in Progress

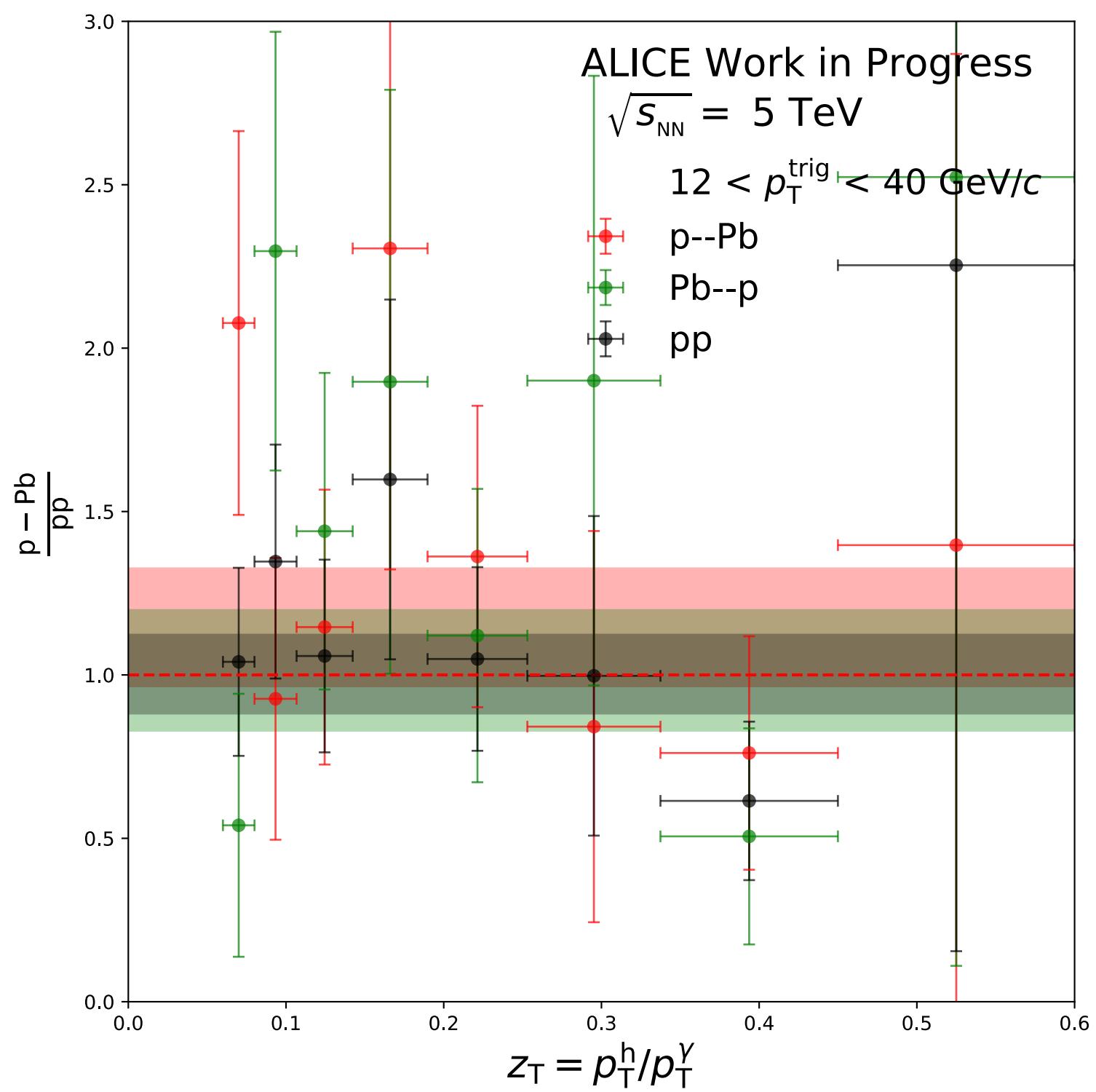
$\sqrt{s_{\text{NN}}} = 5 \text{ TeV}$

$12 < p_T^{\text{trig}} < 40 \text{ GeV}/c$

p--Pb

Pb--p

pp



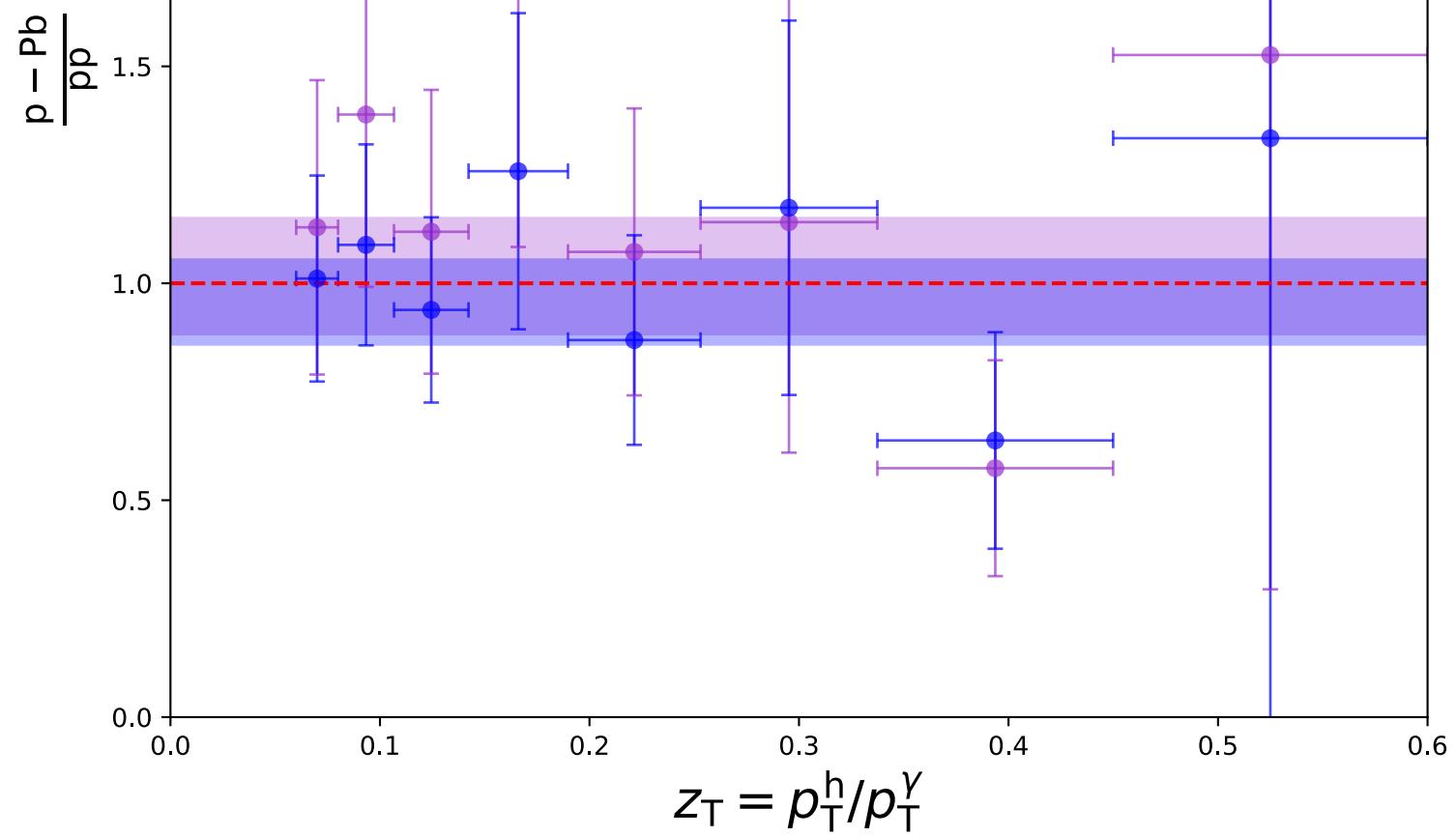
ALICE Work in Progress

$\sqrt{s_{\text{NN}}} = 5 \text{ TeV}$

$12 < p_{\text{T}}^{\text{trig}} < 40 \text{ GeV}/c$

1 pT Bins

2 pT Bins



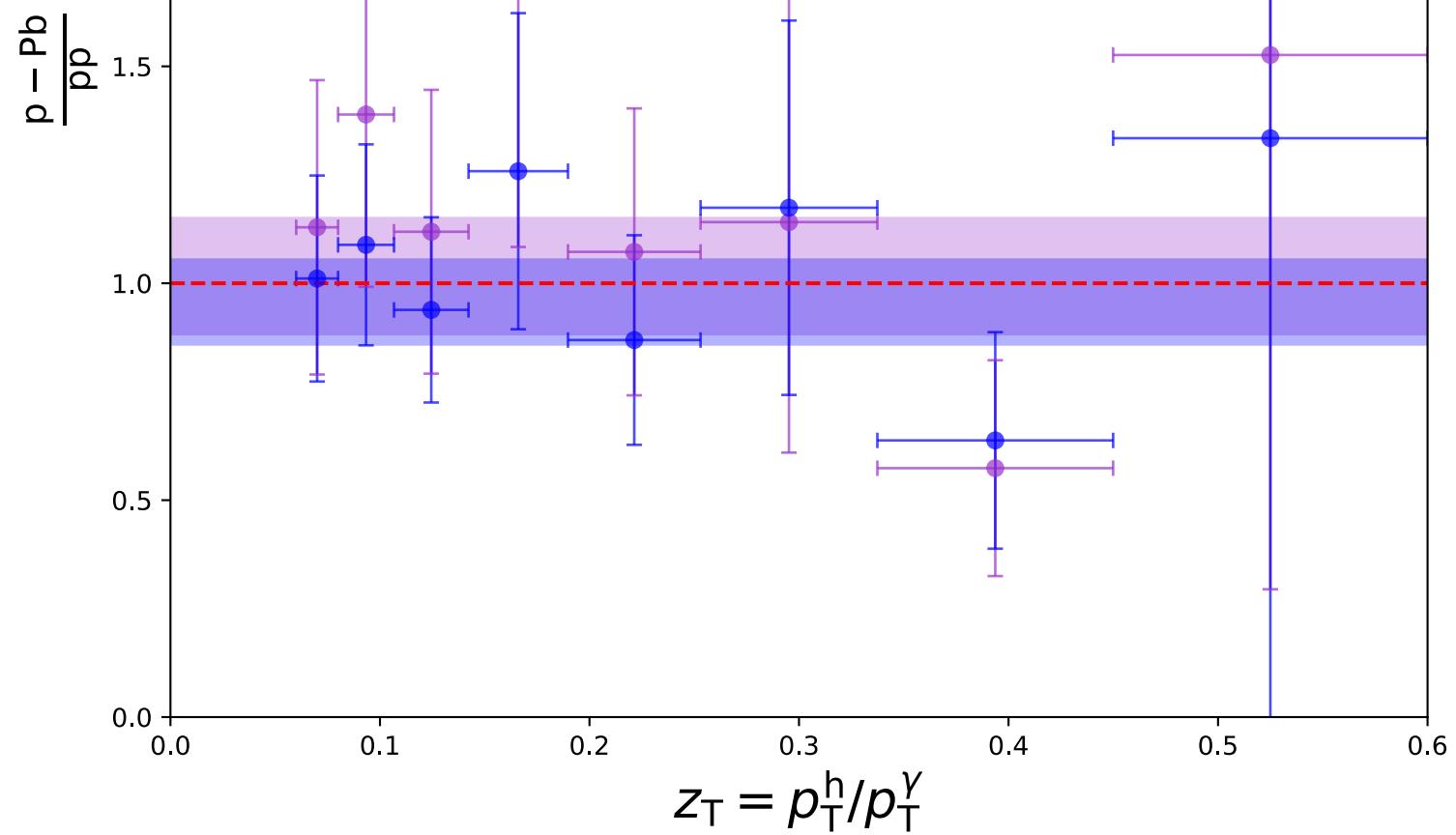
ALICE Work in Progress

$\sqrt{s_{\text{NN}}} = 5 \text{ TeV}$

$12 < p_{\text{T}}^{\text{trig}} < 40 \text{ GeV}/c$

1 pT Bins

2 pT Bins



ALICE Work in Progress

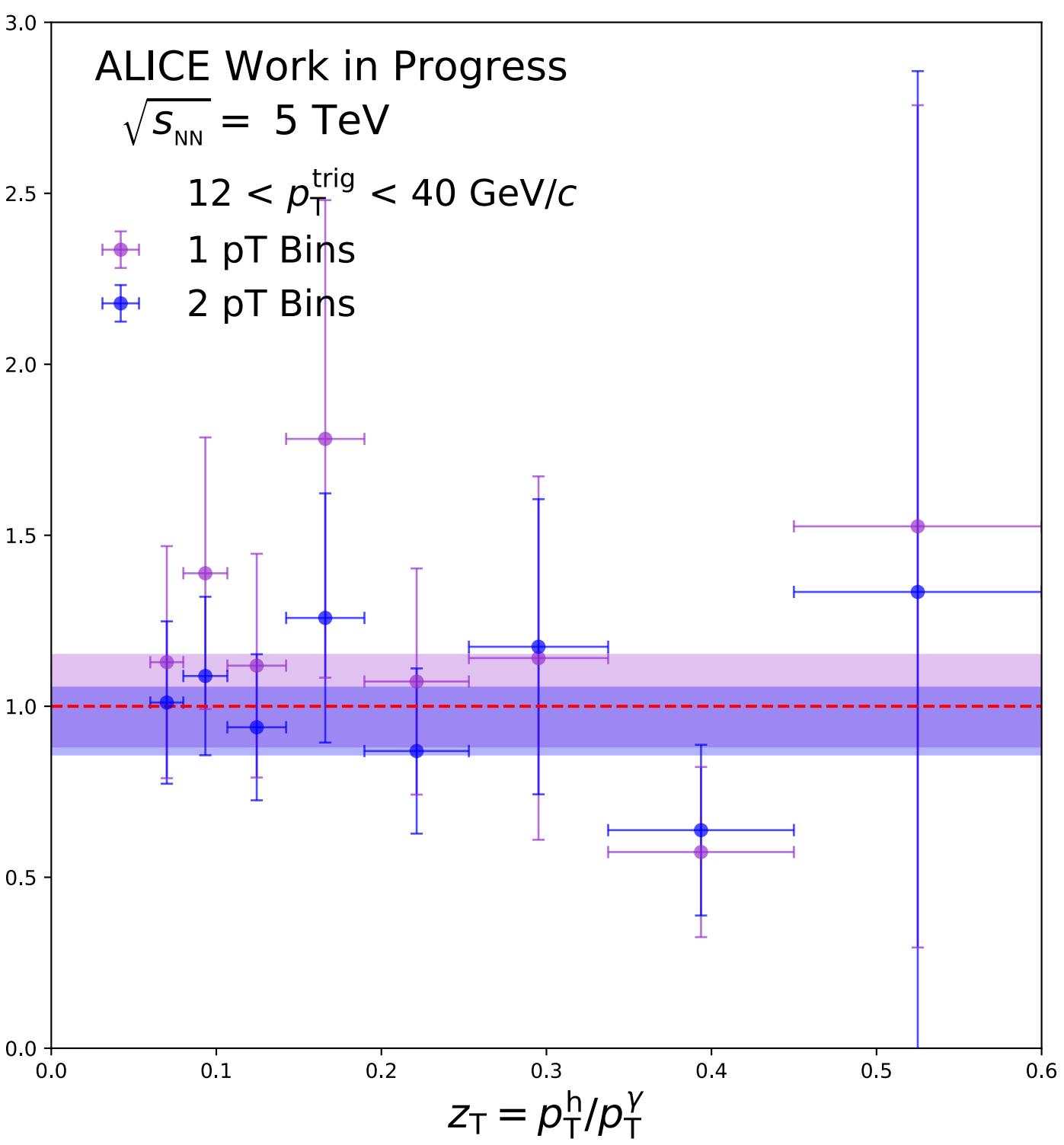
$\sqrt{s_{\text{NN}}} = 5 \text{ TeV}$

$12 < p_{\text{T}}^{\text{trig}} < 40 \text{ GeV}/c$

1 pT Bins

2 pT Bins

$$\frac{p - p_{\text{Pb}}}{p_{\text{Pb}}}$$



ALICE Work in Progress

$\sqrt{s_{\text{NN}}} = 5 \text{ TeV}$

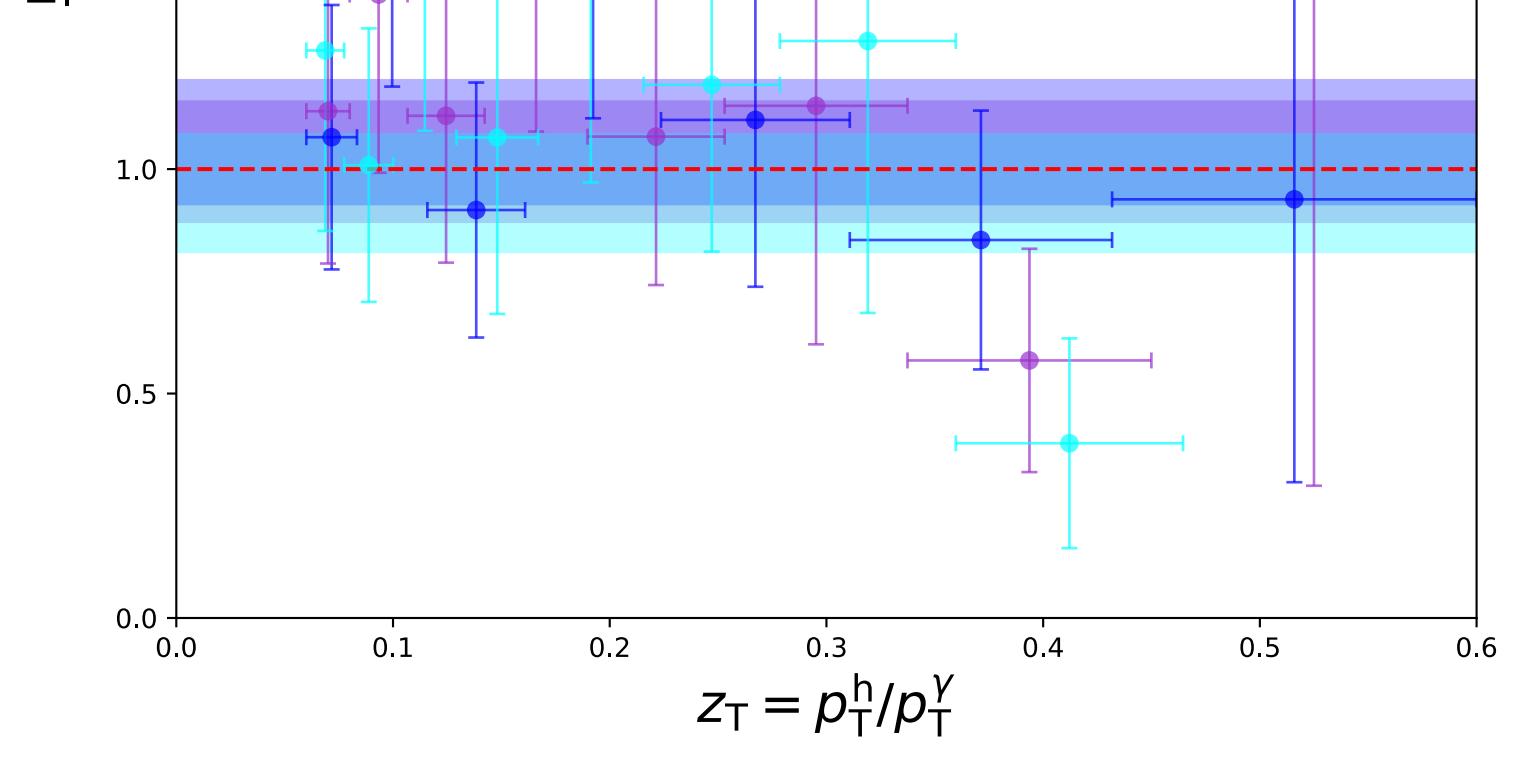
$12 < p_{\text{T}}^{\text{trig}} < 40 \text{ GeV}/c$

8 pT Bins [Default]

7 zT Bins

9zT Bins

$p - p_{\text{p}}^{\text{p}}$



ALICE Work in Progress

$\sqrt{s_{\text{NN}}} = 5 \text{ TeV}$

$12 < p_T^{\text{trig}} < 40 \text{ GeV}/c$

Default

Smaller ZYAM Avg Range

