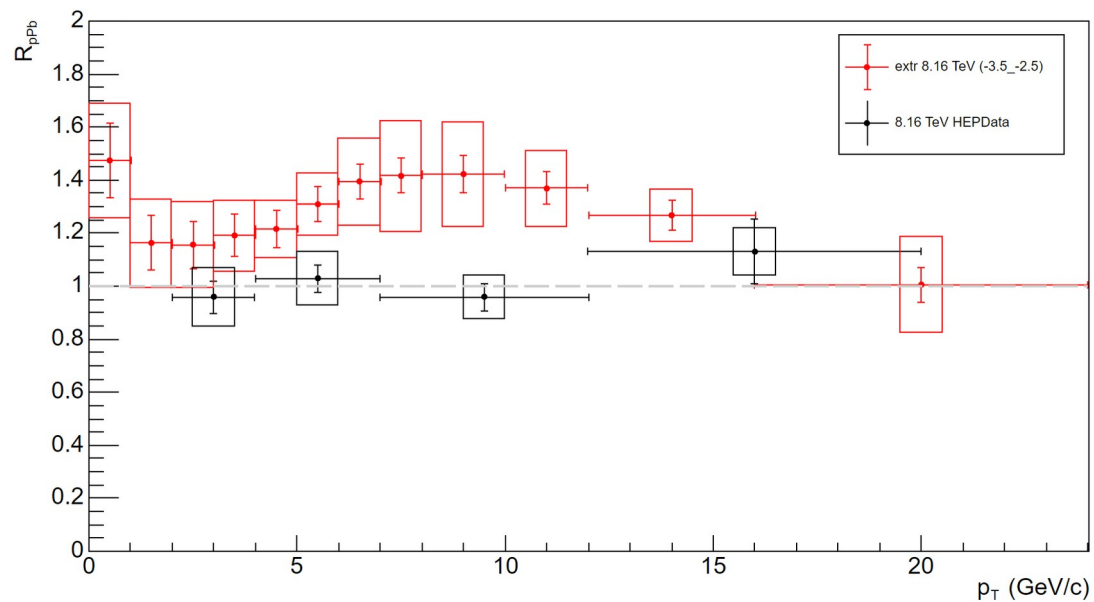
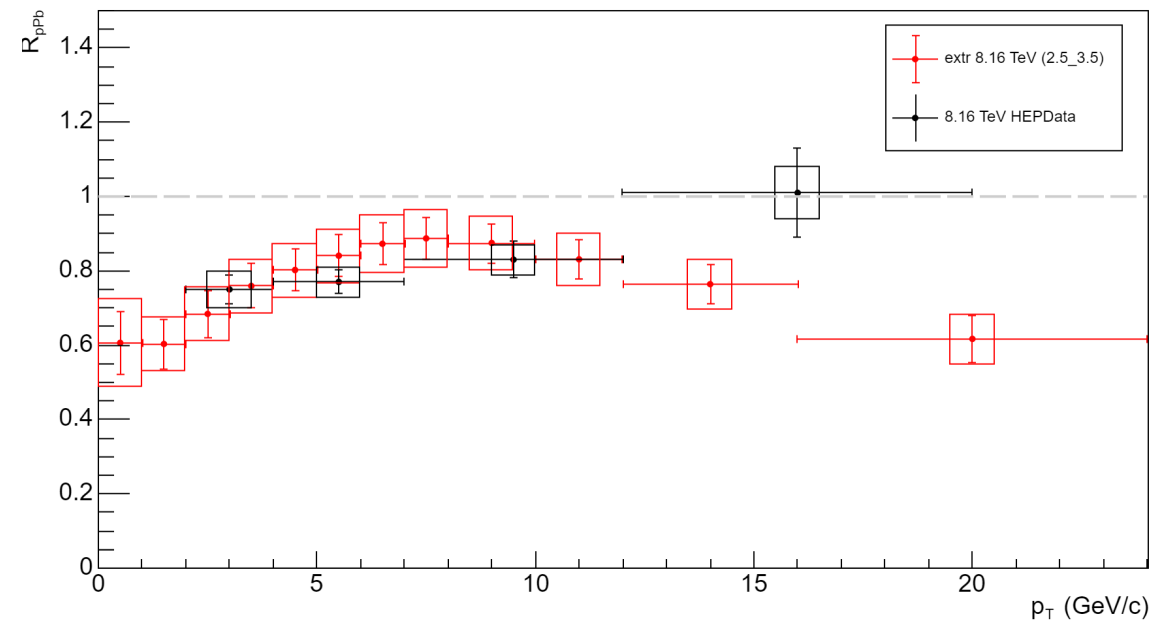


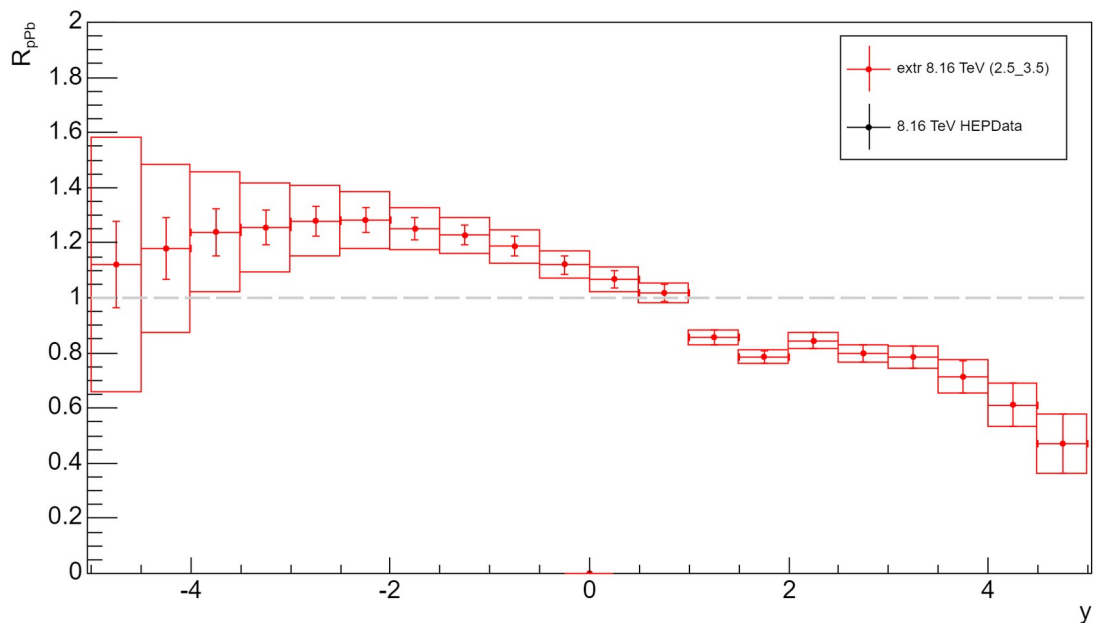
RpPb FONLL 8.16 vs exp



RpPb FONLL 8.16 vs exp



RpPb FONLL 8.16 vs exp



左上: $y \in [-3.5, -2.5]$ FONLL 8.16TeV pp ,

p_T R_{pPb}

右上: $y \in [2.5, 3.5]$ FONLL 8.16TeV pp , p_T

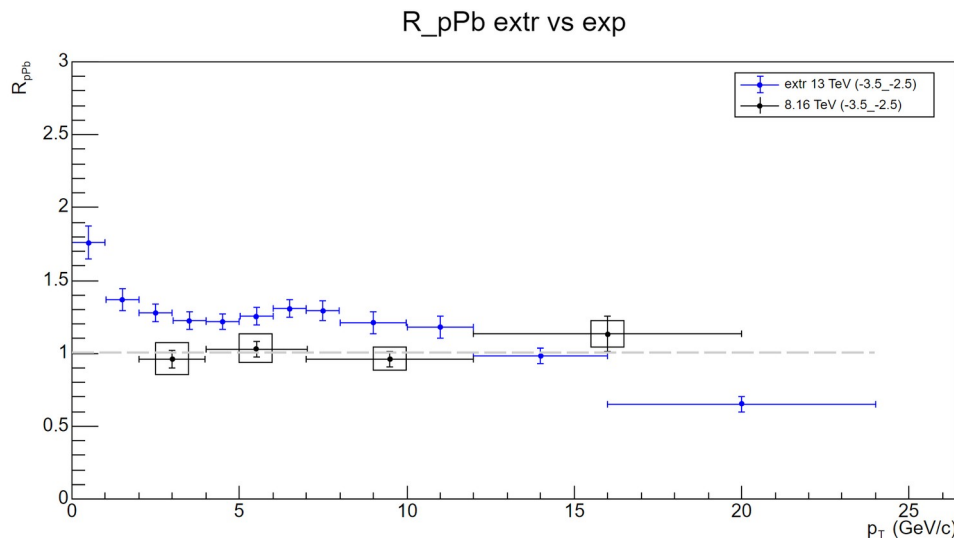
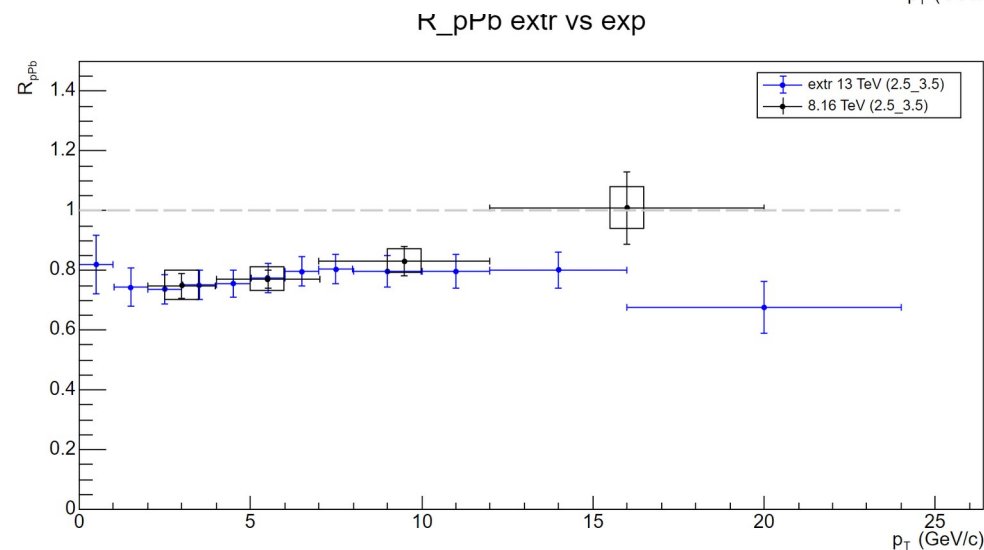
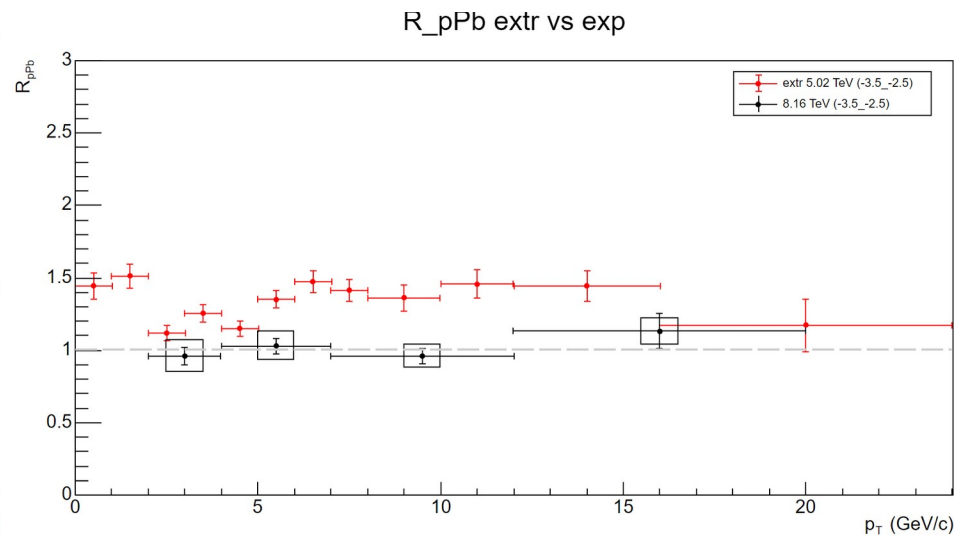
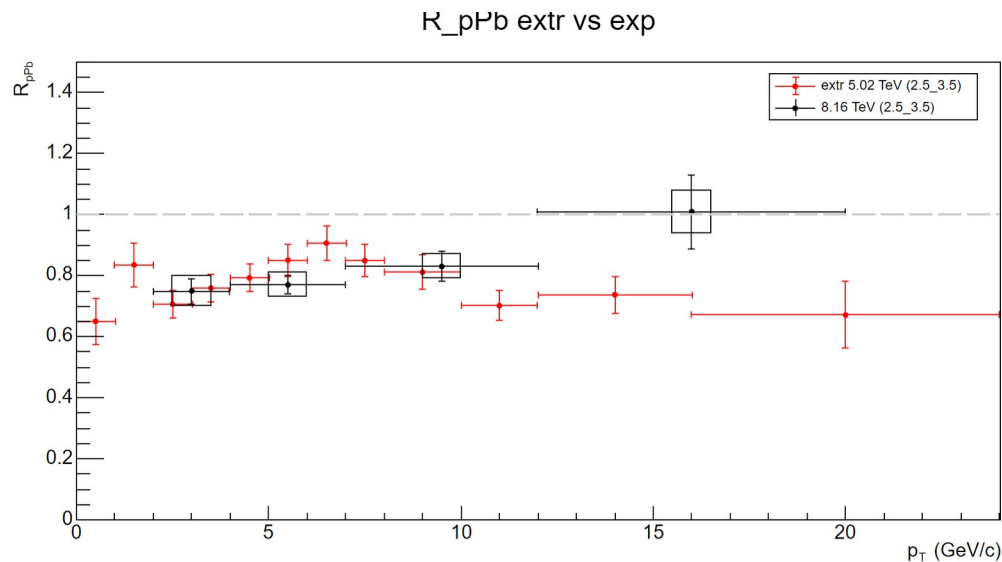
R_{pPb}

左下: $p_T \in [2, 20] \text{ GeV/c}$ FONLL 8.16TeV pp,

y R_{pPb}

$$\sigma_{\frac{A}{B}} = \sqrt{\left(\frac{\sigma_A}{B}\right)^2 + \left(\frac{\sigma_B A}{B^2}\right)^2}$$

作为参考，从
5.02TeV 和 13TeV
外推得到的
8.16TeV pp，计算
得到的



$$\frac{data_{13TeV}}{data_{8.16TeV}} = \frac{FONLL_{13TeV}}{FONLL_{8.16TeV}}$$

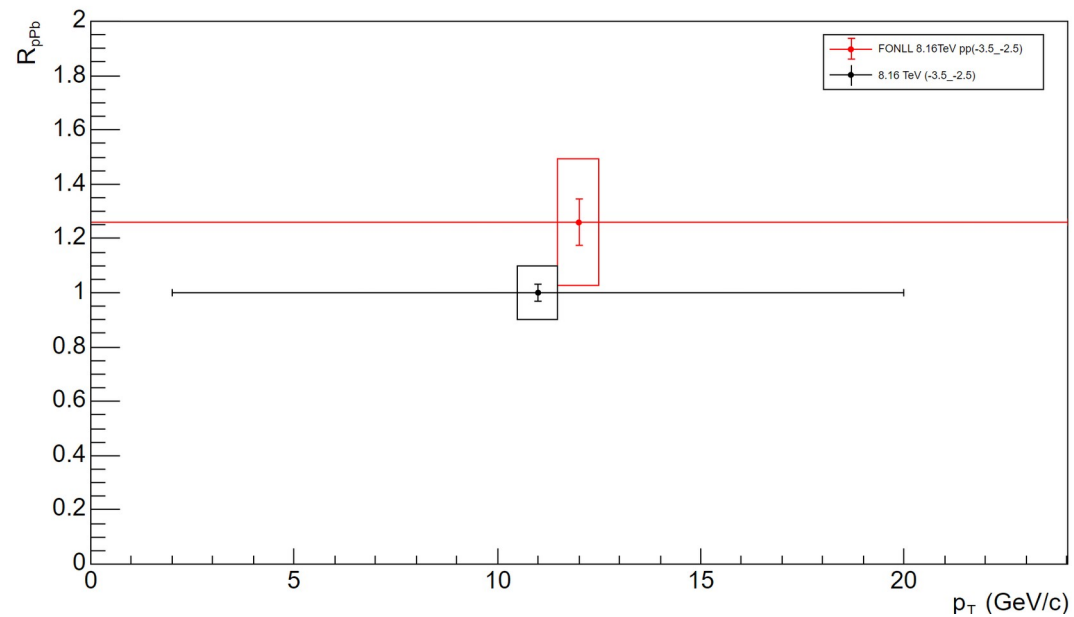
$$data_{8.16TeV} = \frac{FONLL_{8.16TeV}}{FONLL_{13TeV}} data_{13TeV}$$

(5.02 TeV)

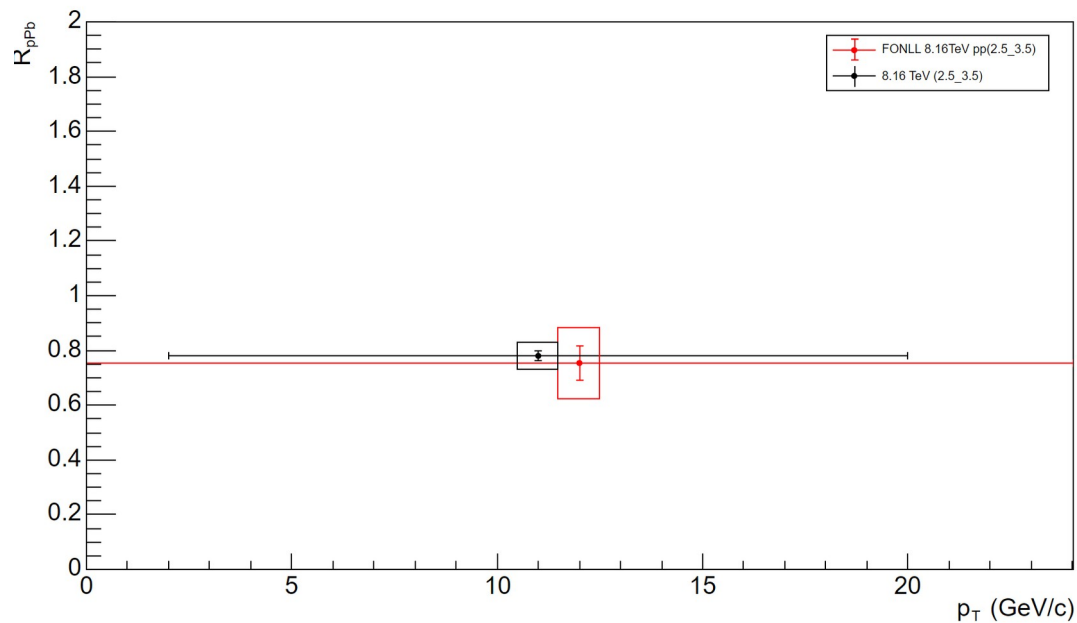
y integrated over 2.5~3.5 (without
sys)

y integrated over -3.5~-2.5 (without
sys)

RpPb FONLL 8.16 vs exp

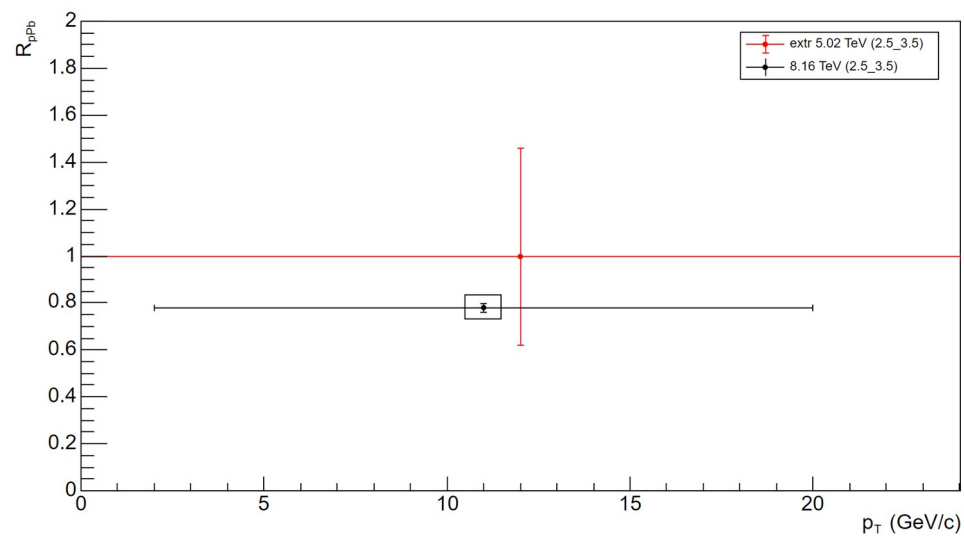


RpPb FONLL 8.16 vs exp

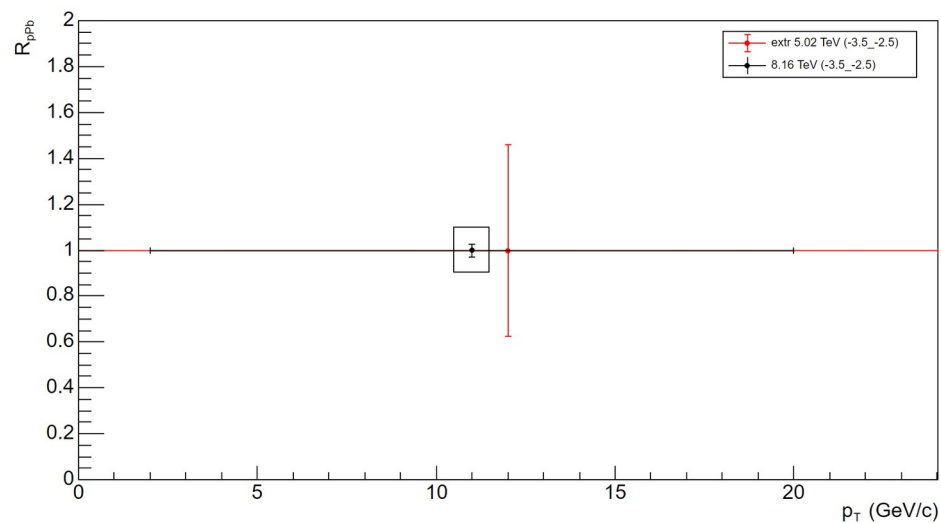


to ,
 作为参考，以下是从 5.02 TeV 外插得到的两个能量外插此处符合得比较好)

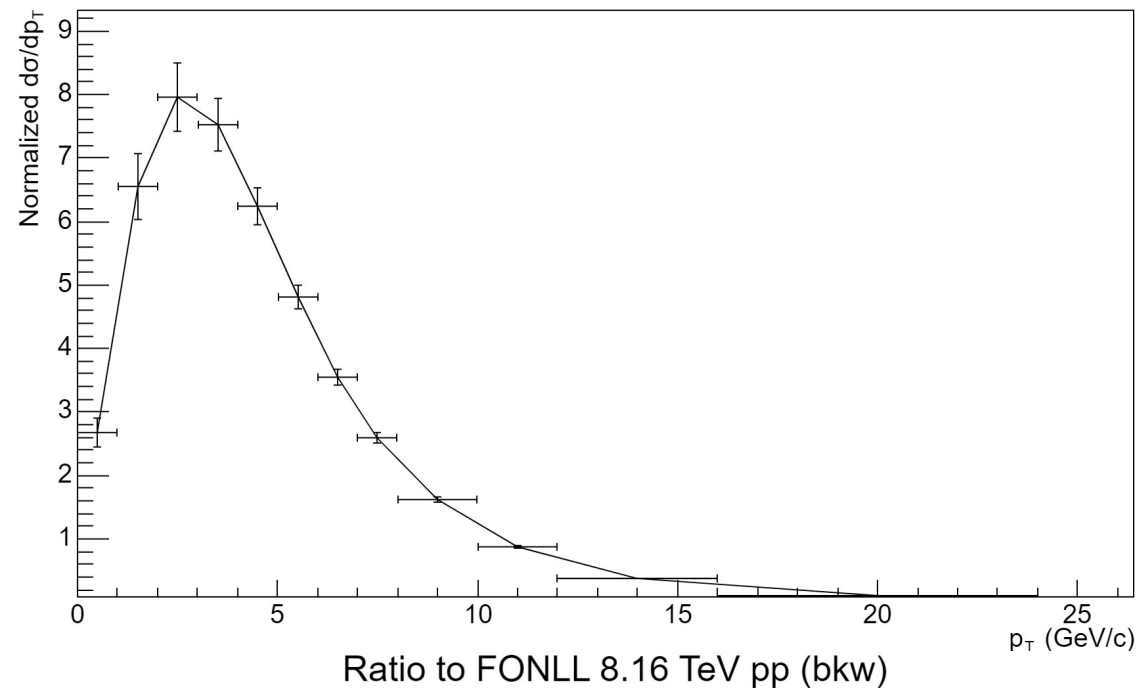
R_pPb extr vs exp



R_pPb extr vs exp



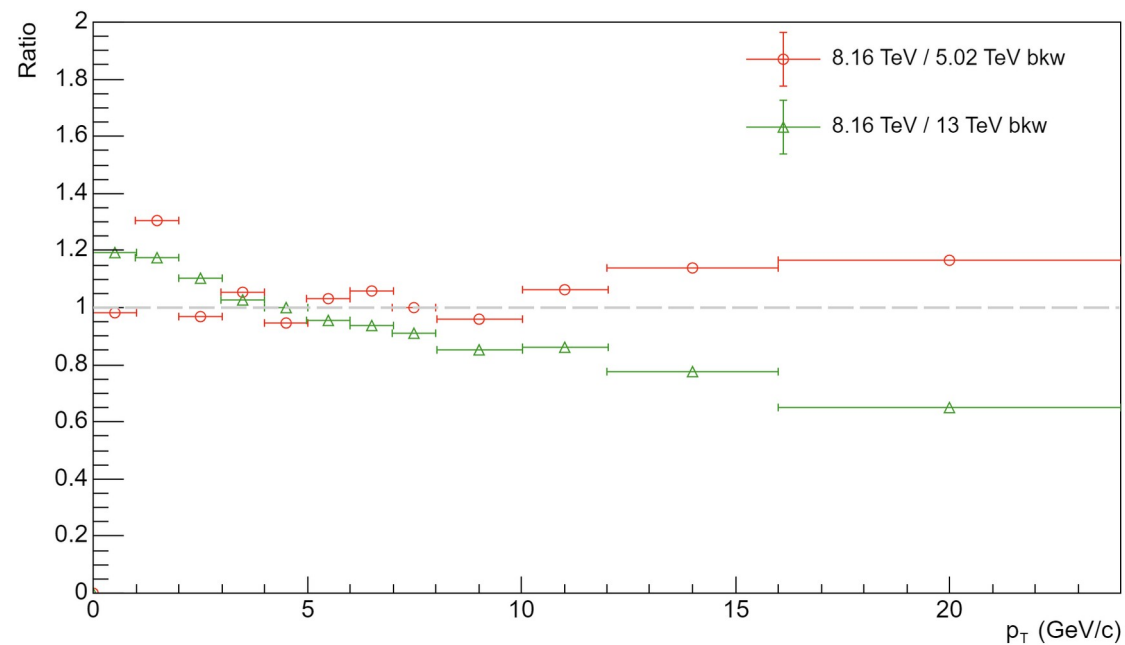
FONLL 8.16TeV pp



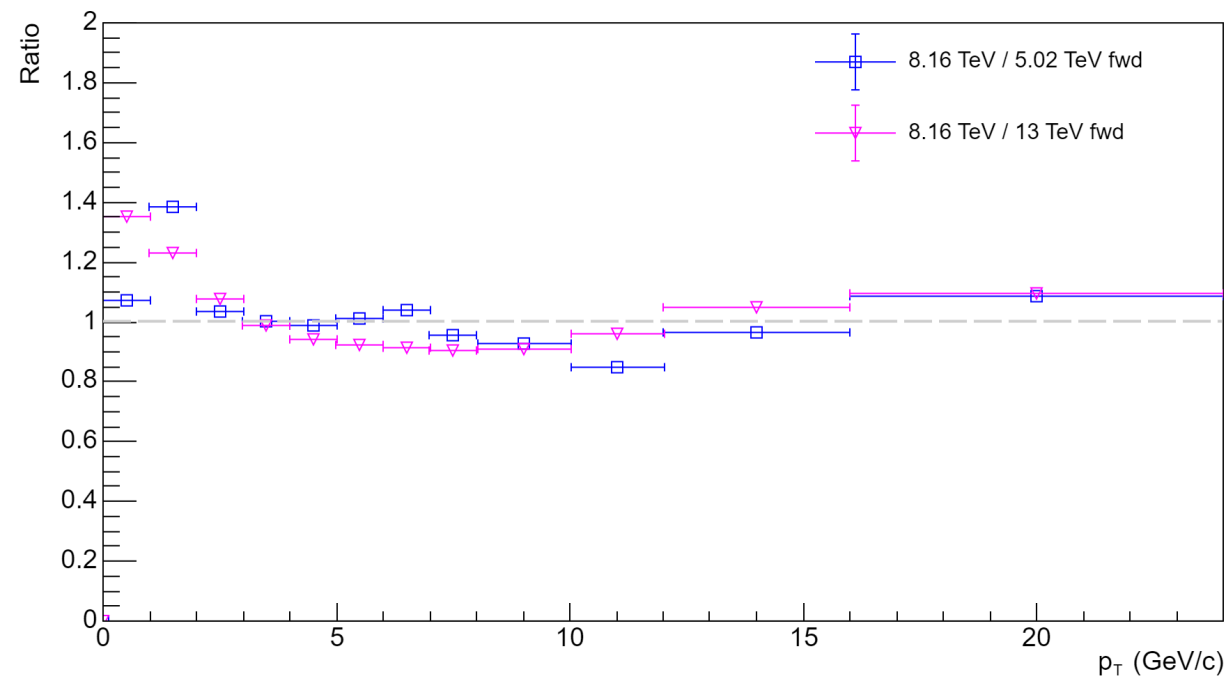
左图：FONLL 8.16 TeV pp

左下：FONLL8.16pp/extr5020 或
FONLL8.16pp/extr13 之比，在快度 -3.5~-2.5

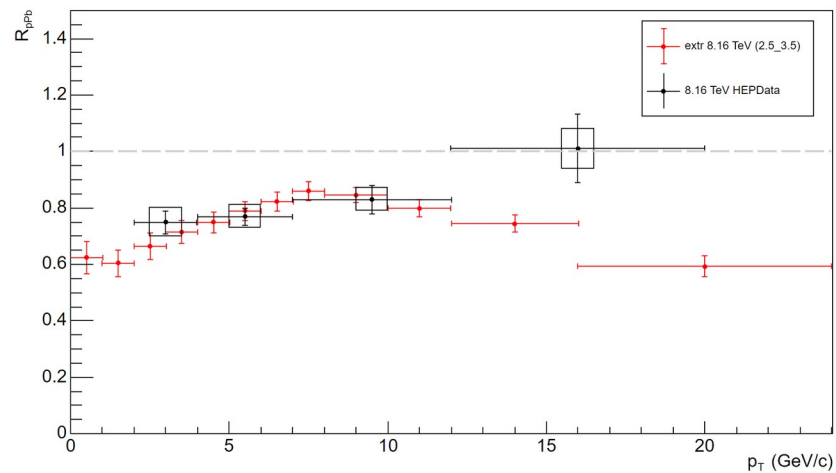
右下：FONLL8.16pp/extr5020 或
FONLL8.16pp/extr13 之比，在快度 2.5~3.5



Ratio to FONLL 8.16 TeV pp (fwd)

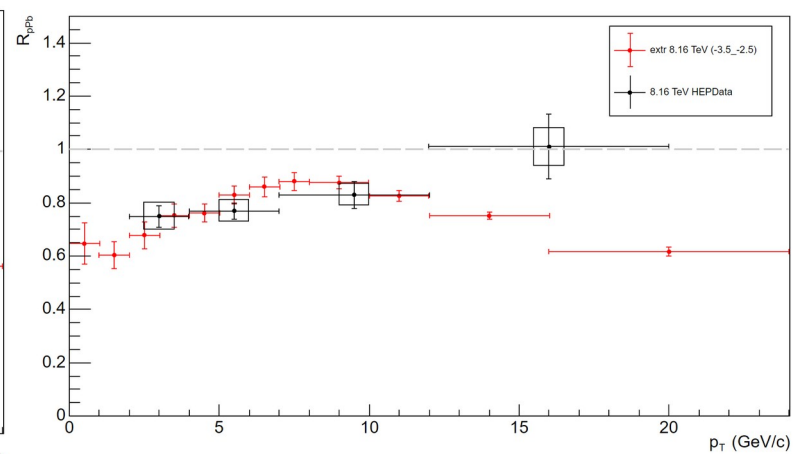


RpPb FONLL 8.16 vs exp



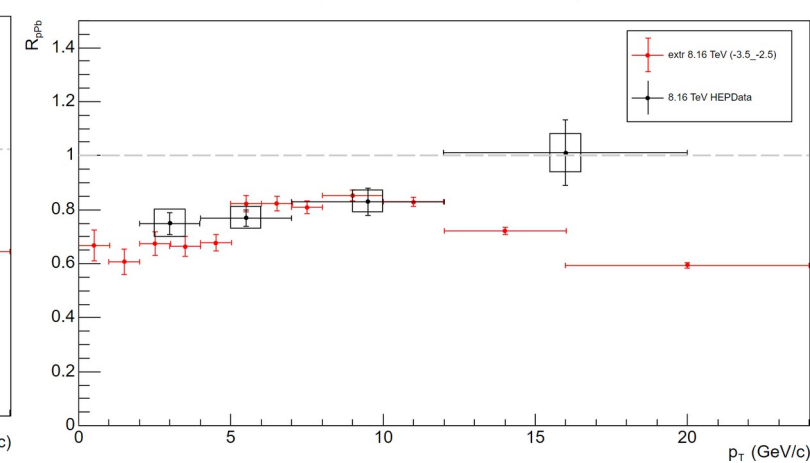
res_error

RpPb FONLL 8.16 vs exp



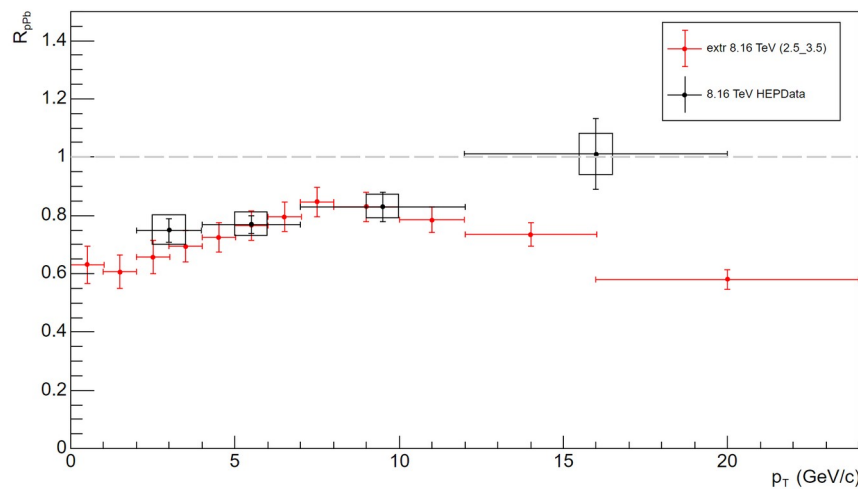
weight

RpPb FONLL 8.16 vs exp



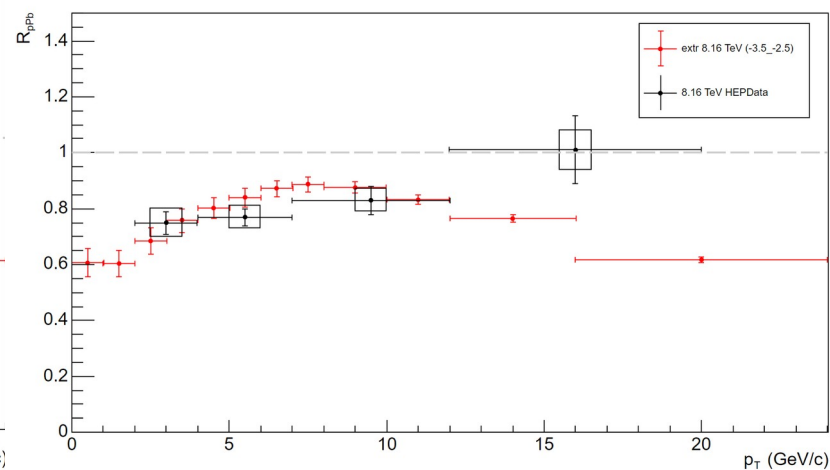
iteration

RpPb FONLL 8.16 vs exp



data_sys

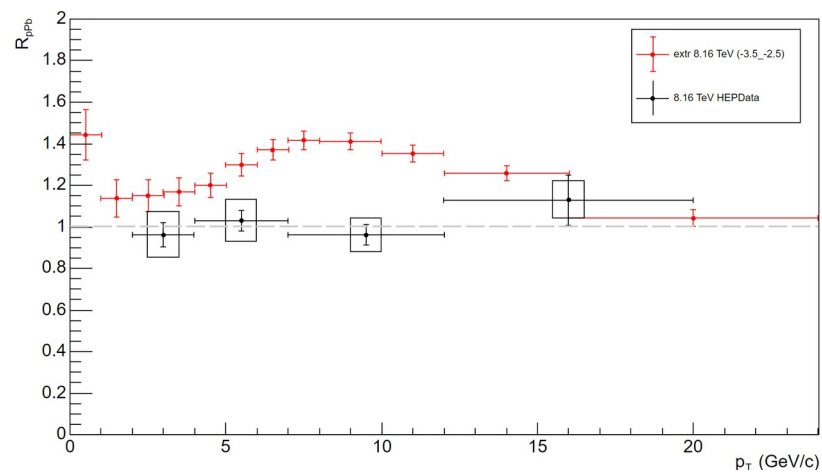
RpPb FONLL 8.16 vs exp



extr

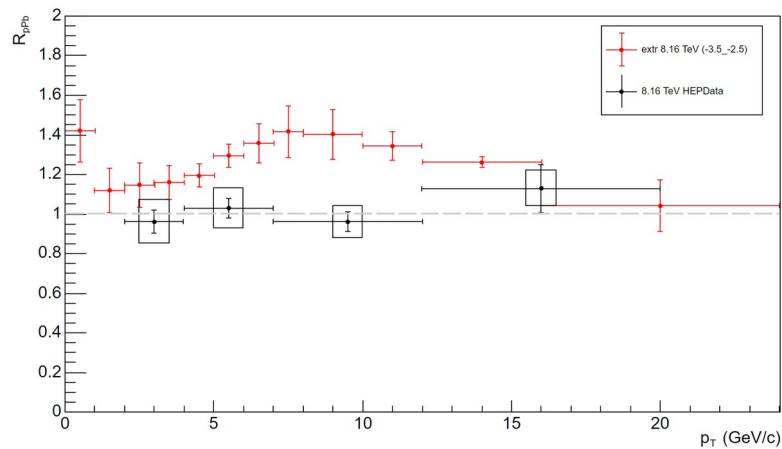
y: 2.5~3.5

RpPb FONLL 8.16 vs exp



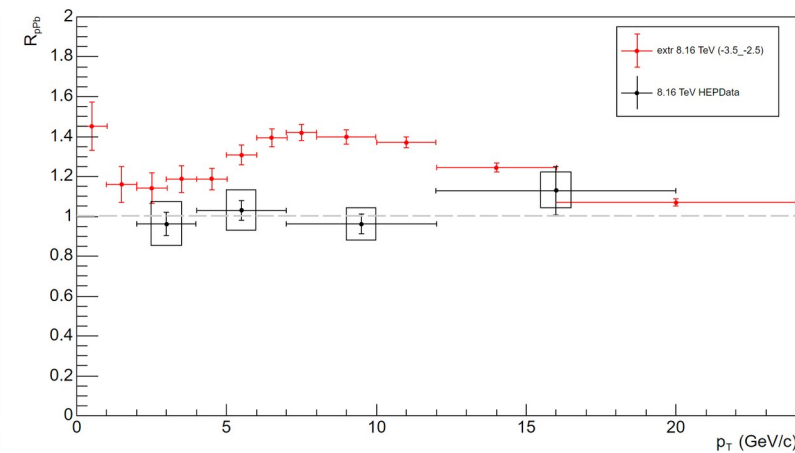
res_error

RpPb FONLL 8.16 vs exp



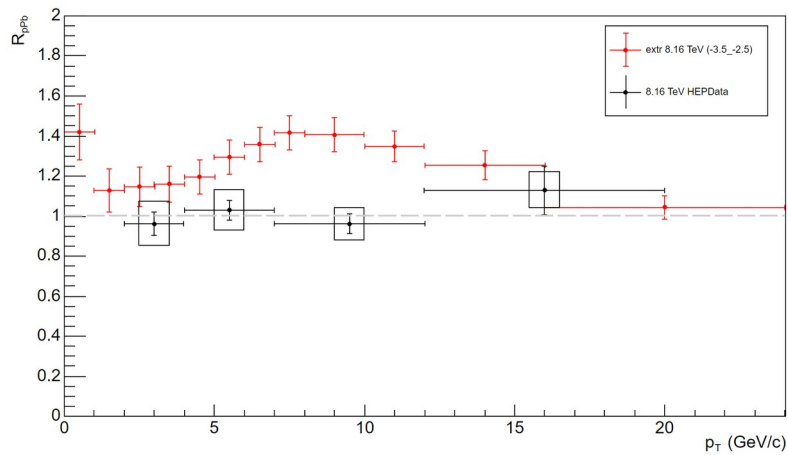
weight

RpPb FONLL 8.16 vs exp



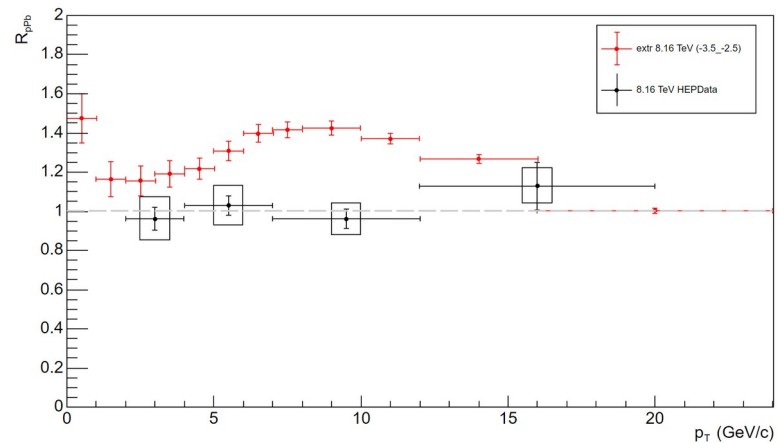
iteration

RpPb FONLL 8.16 vs exp



data_sys

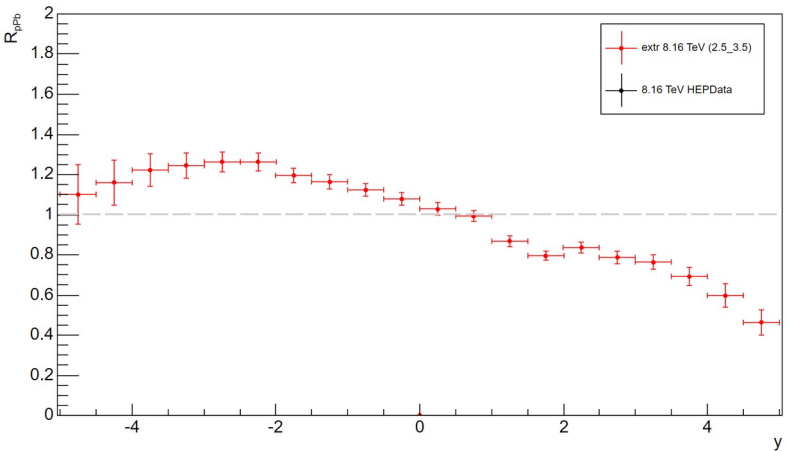
RpPb FONLL 8.16 vs exp



extr

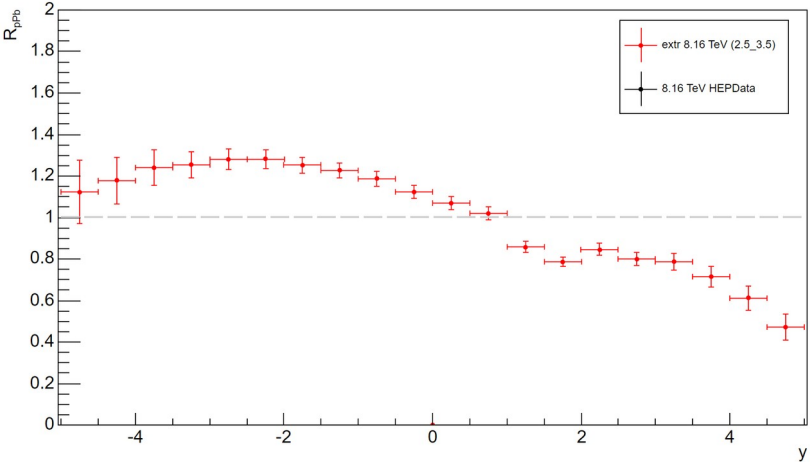
y: -3.5~-2.5

RpPb FONLL 8.16 vs exp



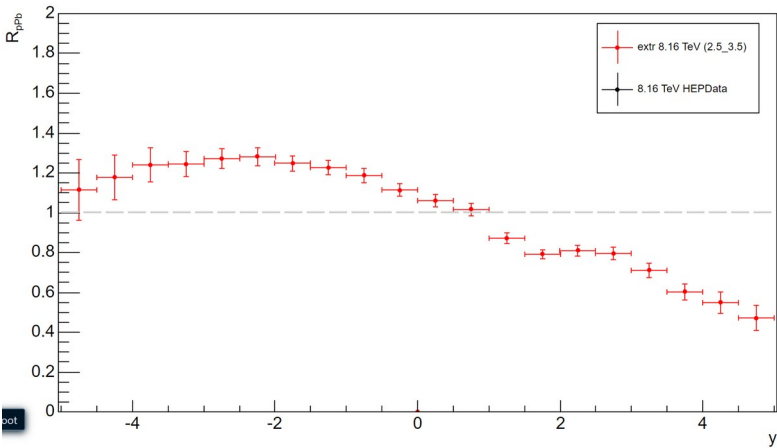
res_error

RpPb FONLL 8.16 vs exp



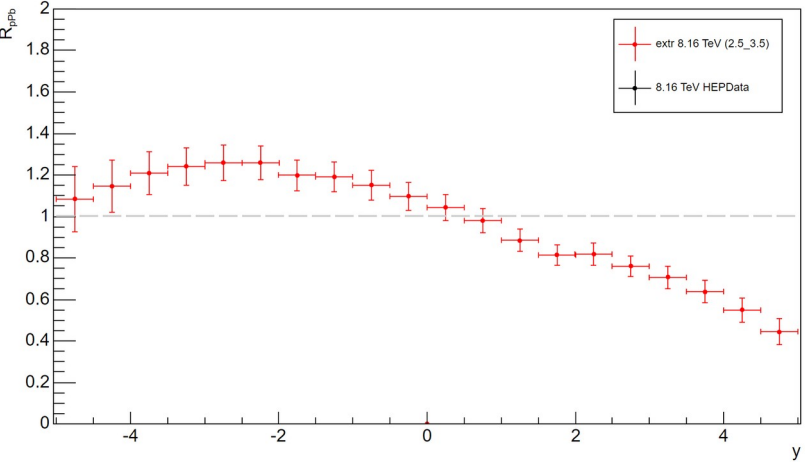
weight

RpPb FONLL 8.16 vs exp



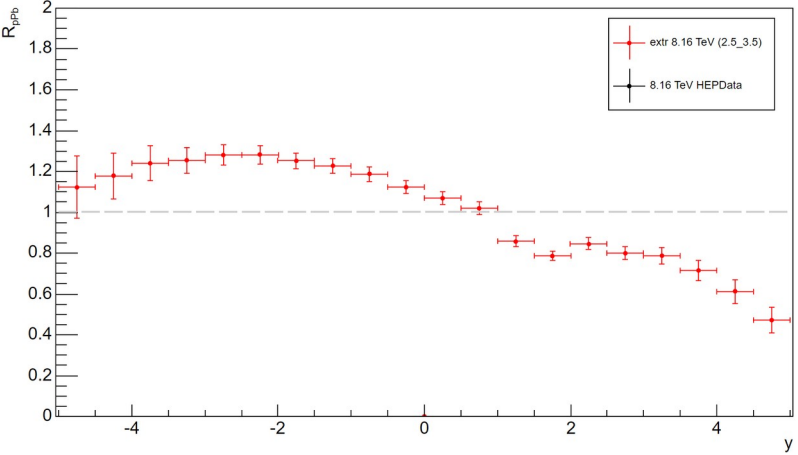
iteration

RpPb FONLL 8.16 vs exp



data_sys

RpPb FONLL 8.16 vs exp



extr

pt:2~20GeV/c