Comparing Fortran's RT result with Ryan. I modified the Fortran code such that it calculates the RL, RT estimate for every qv, nu values entered from user input.
This is what I'm doing: Ryan's data have varying qv values, but we are grouping them into bins of qvcenter = 0.205, 0.240, 0.300. Therefore use Fortran to estimate RT, and define bin-centering-correction

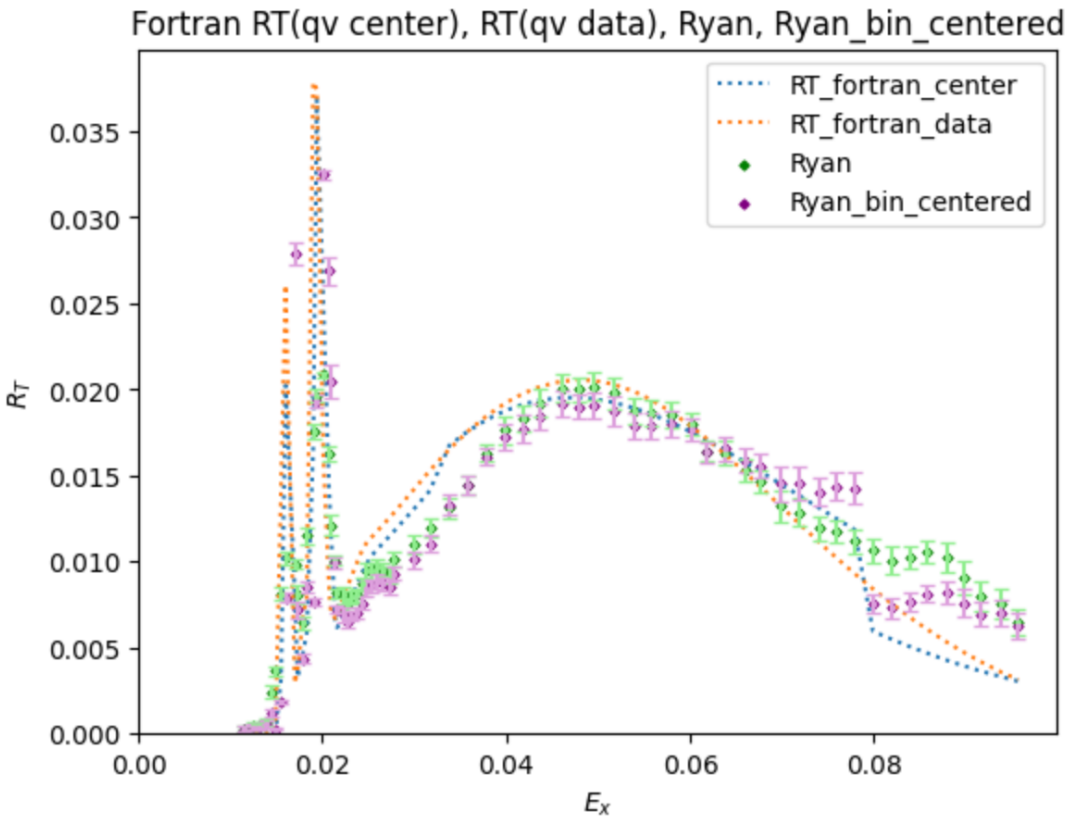
$$C = \frac{RT(qv\_center, nu)}{RT(qv\_Ryan, nu)}$$

Then

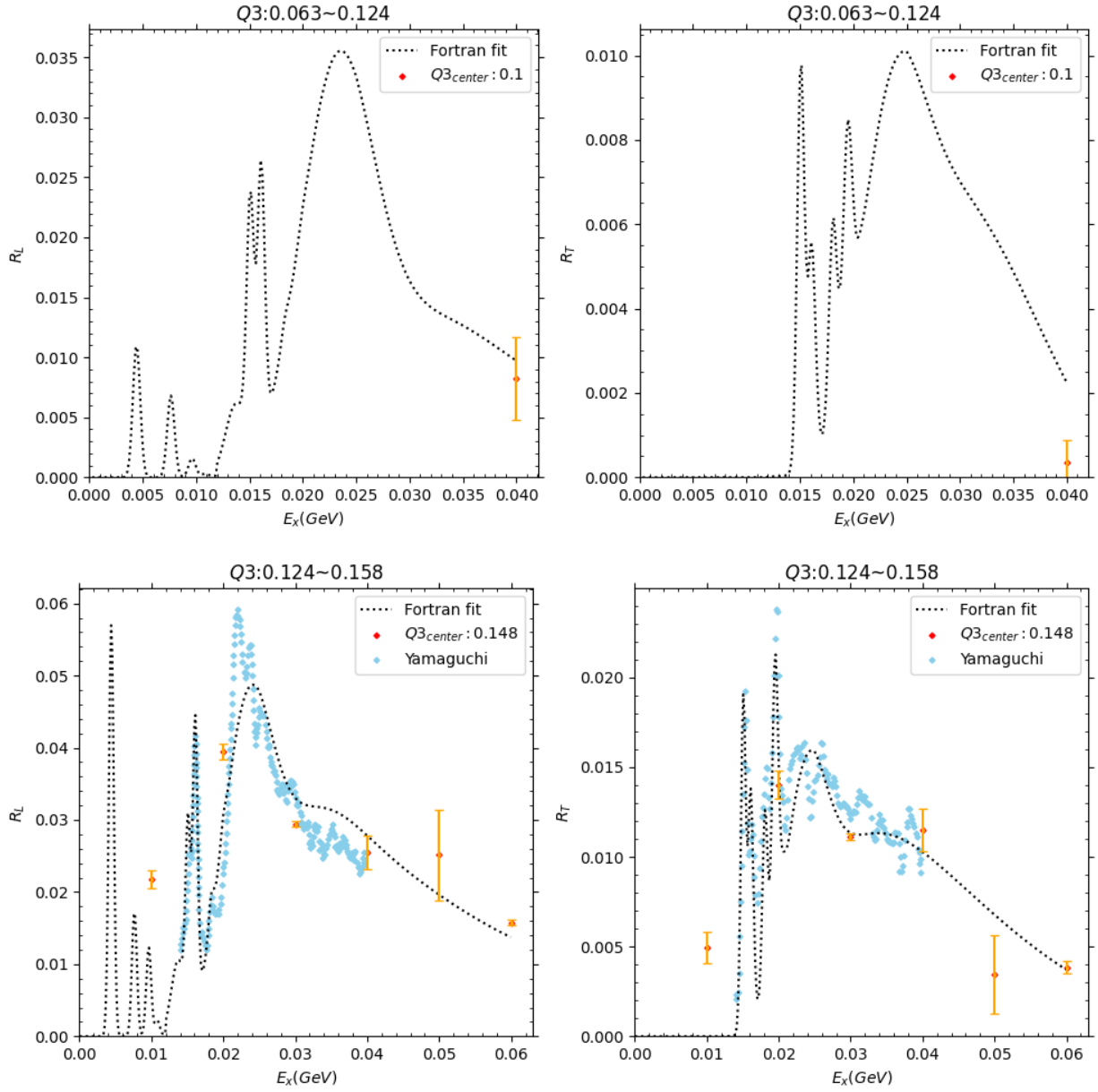
$$RT_{\text{bin-centered}} = C \times RT_{raw}$$

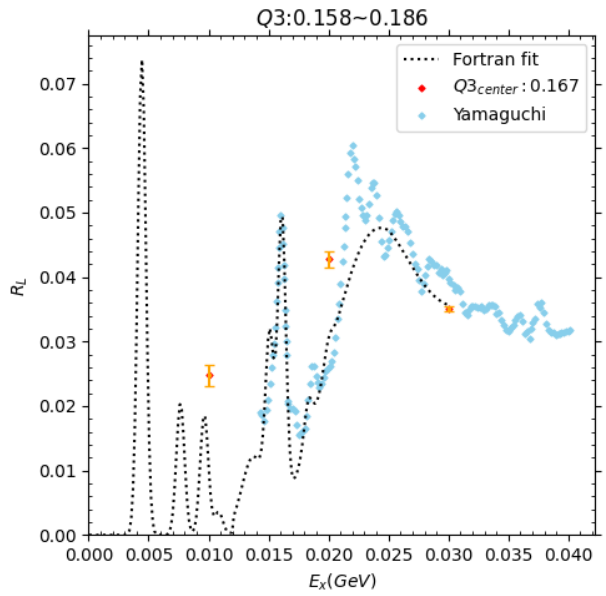
In the following figure:

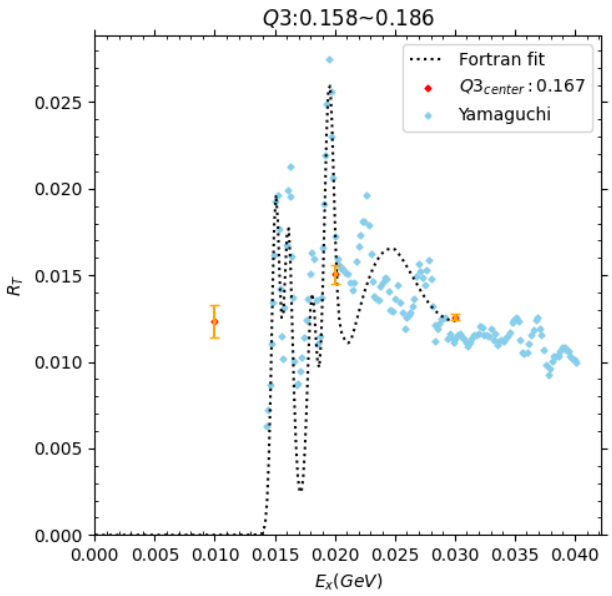
Green: Ryan's raw data. Purple: Ryan's data bin-centered.

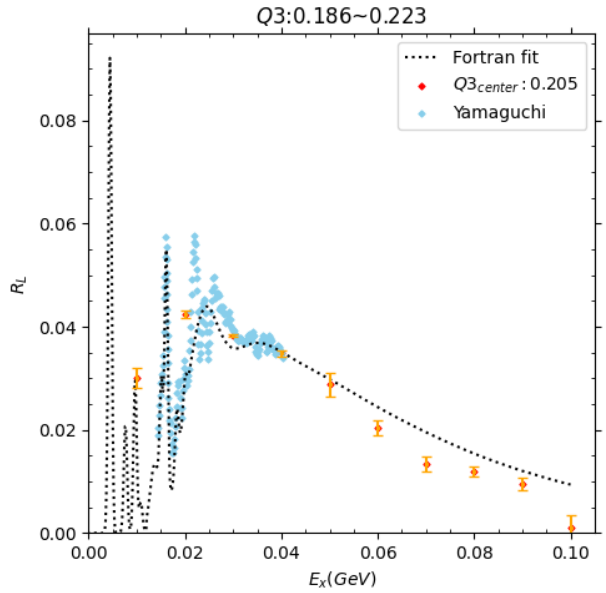


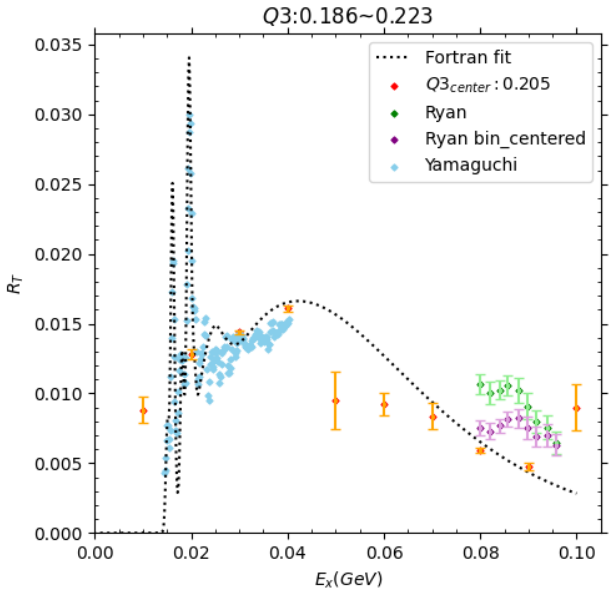
Ryan's data plotted with our fit, x-axis in Ex (see Q3=0.205,0.24,0.3):

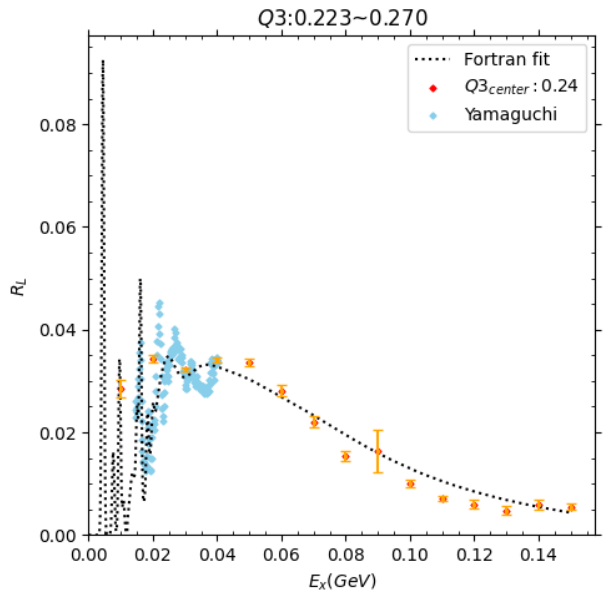


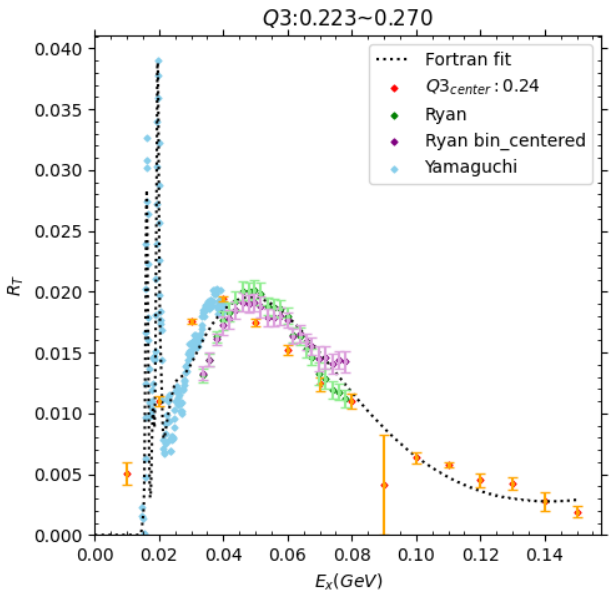

Q3:0.158~0.186
Fortran fit
Q3center : 0.167
Yamaguchi
R_L
E_x(GeV)

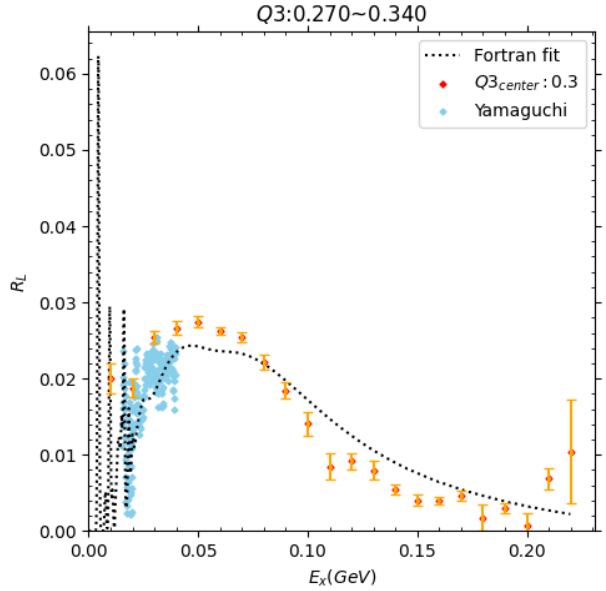

Q3:0.158~0.186
Fortran fit
Q3center : 0.167
Yamaguchi
R_T
E_x(GeV)

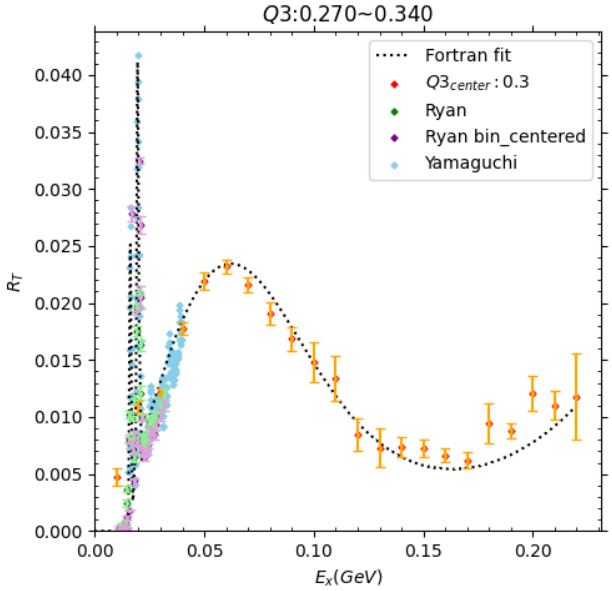

Q3:0.186~0.223
Fortran fit
Q3center : 0.205
Yamaguchi
R_L
E_x(GeV)

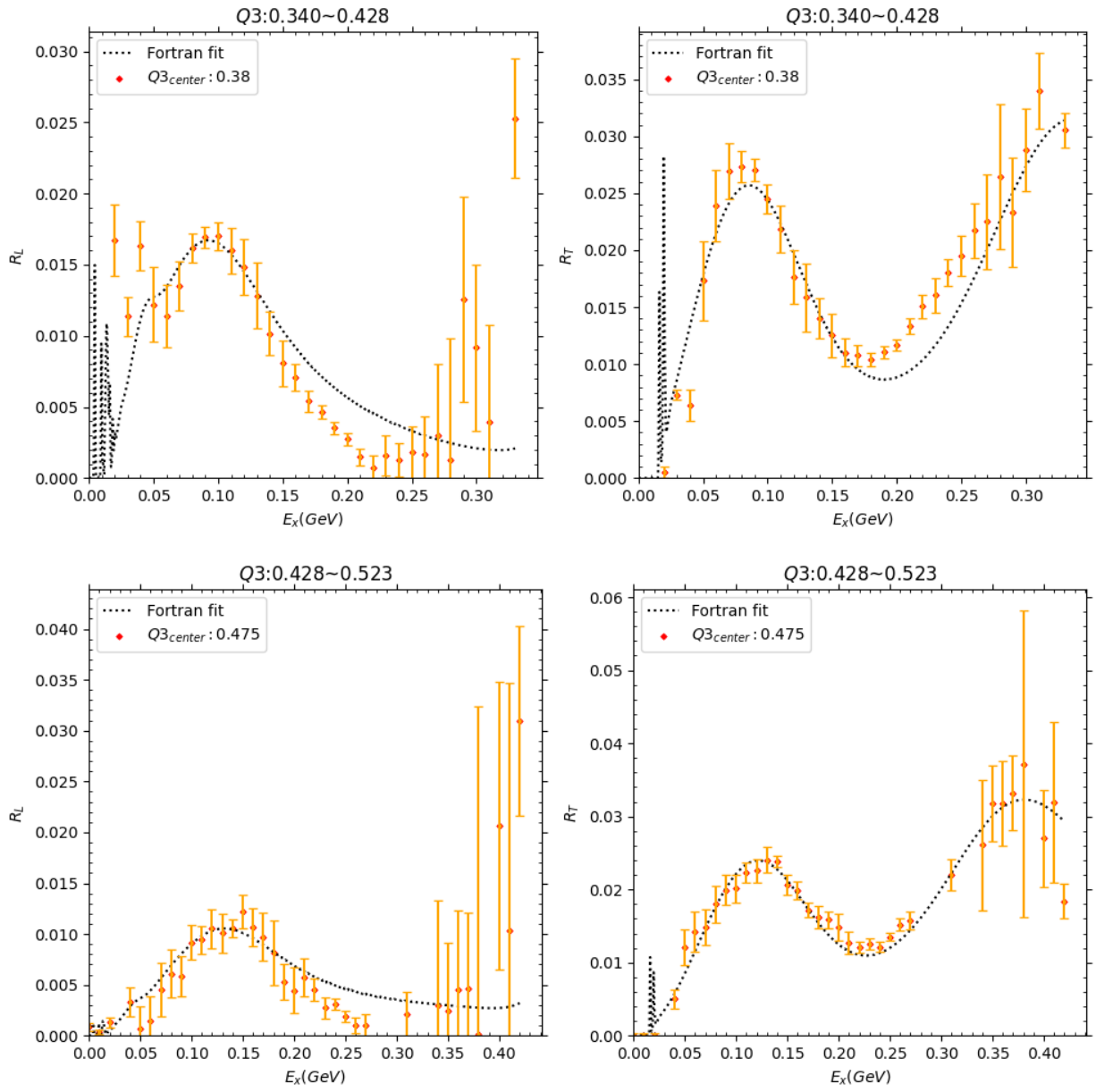

Q3:0.186~0.223
Fortran fit
Q3center : 0.205
Ryan
Ryan bin_centered
Yamaguchi
R_T
E_x(GeV)

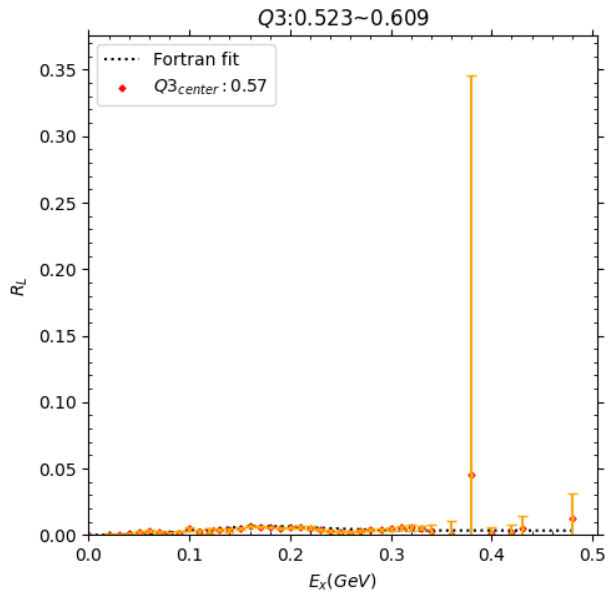

Q3:0.223~0.270
Fortran fit
Q3center : 0.24
Yamaguchi
RL
Ex(GeV)

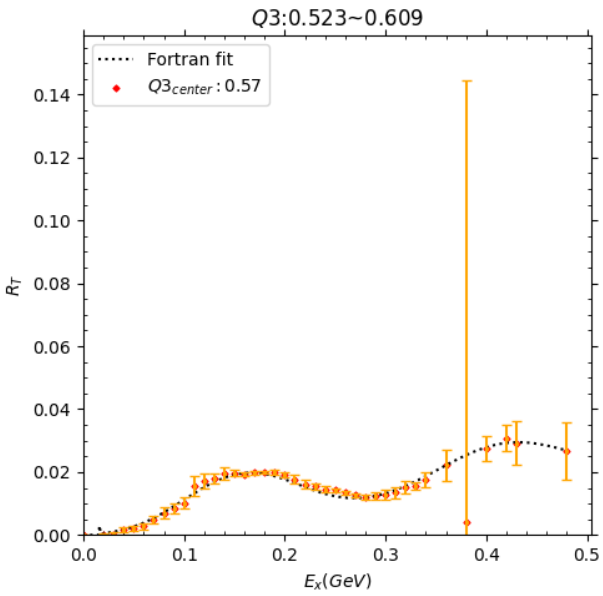

Q3:0.223~0.270
Fortran fit
Q3center : 0.24
Ryan
Ryan bin_centered
Yamaguchi
RT
Ex(GeV)

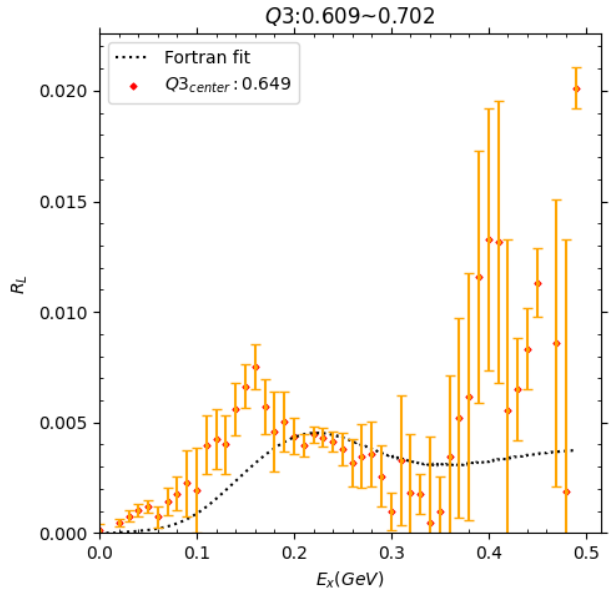

Q3:0.270~0.340
Fortran fit
Q3center : 0.3
Yamaguchi
RL
Ex(GeV)

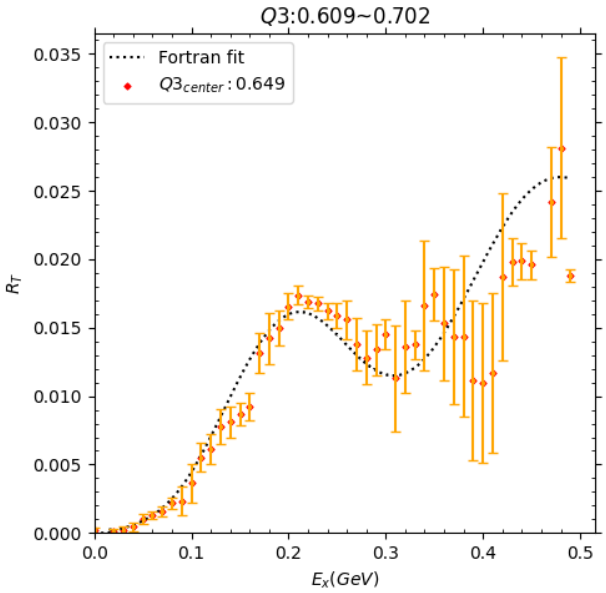

Q3:0.270~0.340
Fortran fit
Q3center : 0.3
Ryan
Ryan bin_centered
Yamaguchi
RT
Ex(GeV)

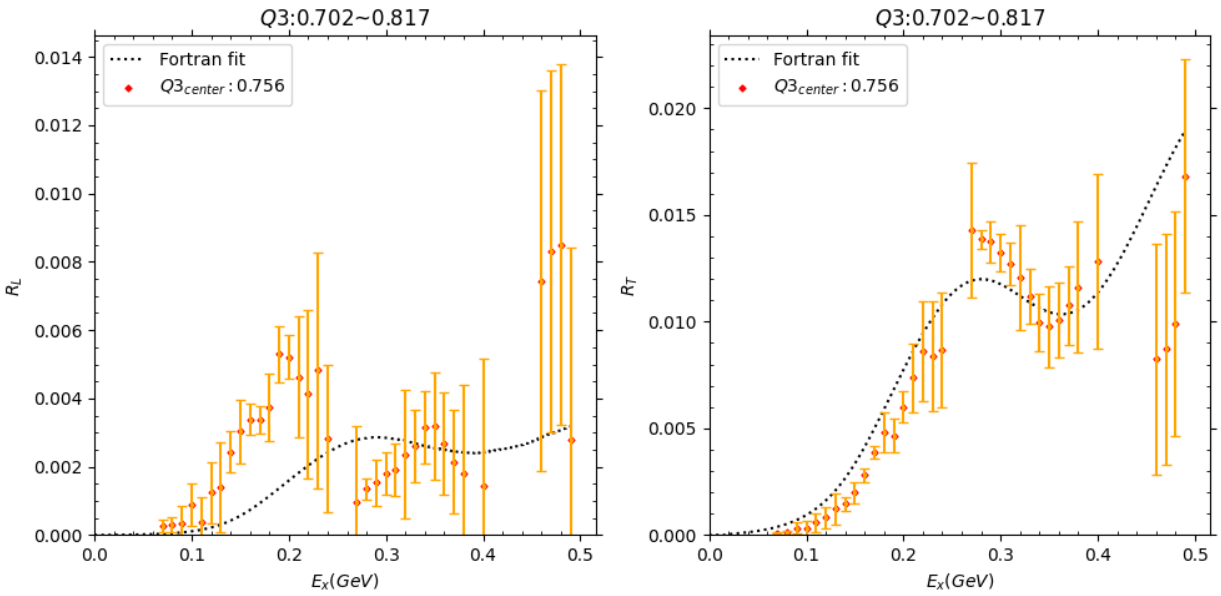

Q3:0.340~0.428
Fortran fit
Q3center : 0.38
RL
Ex(GeV)
Q3:0.340~0.428
Fortran fit
Q3center : 0.38
RT
Ex(GeV)
Q3:0.428~0.523
Fortran fit
Q3center : 0.475
RL
Ex(GeV)
Q3:0.428~0.523
Fortran fit
Q3center : 0.475
RT
Ex(GeV)


Q3:0.523~0.609
Fortran fit
Q3center : 0.57
RL
Ex(GeV)


Q3:0.523~0.609
Fortran fit
Q3center : 0.57
RT
Ex(GeV)


Q3:0.609~0.702
Fortran fit
Q3center : 0.649
RL
Ex(GeV)


Q3:0.609~0.702
Fortran fit
Q3center : 0.649
RT
Ex(GeV)


Q3:0.702~0.817
Fortran fit
Q3center : 0.756
R_L
E_x(GeV)
Q3:0.702~0.817
Fortran fit
Q3center : 0.756
R_T
E_x(GeV)