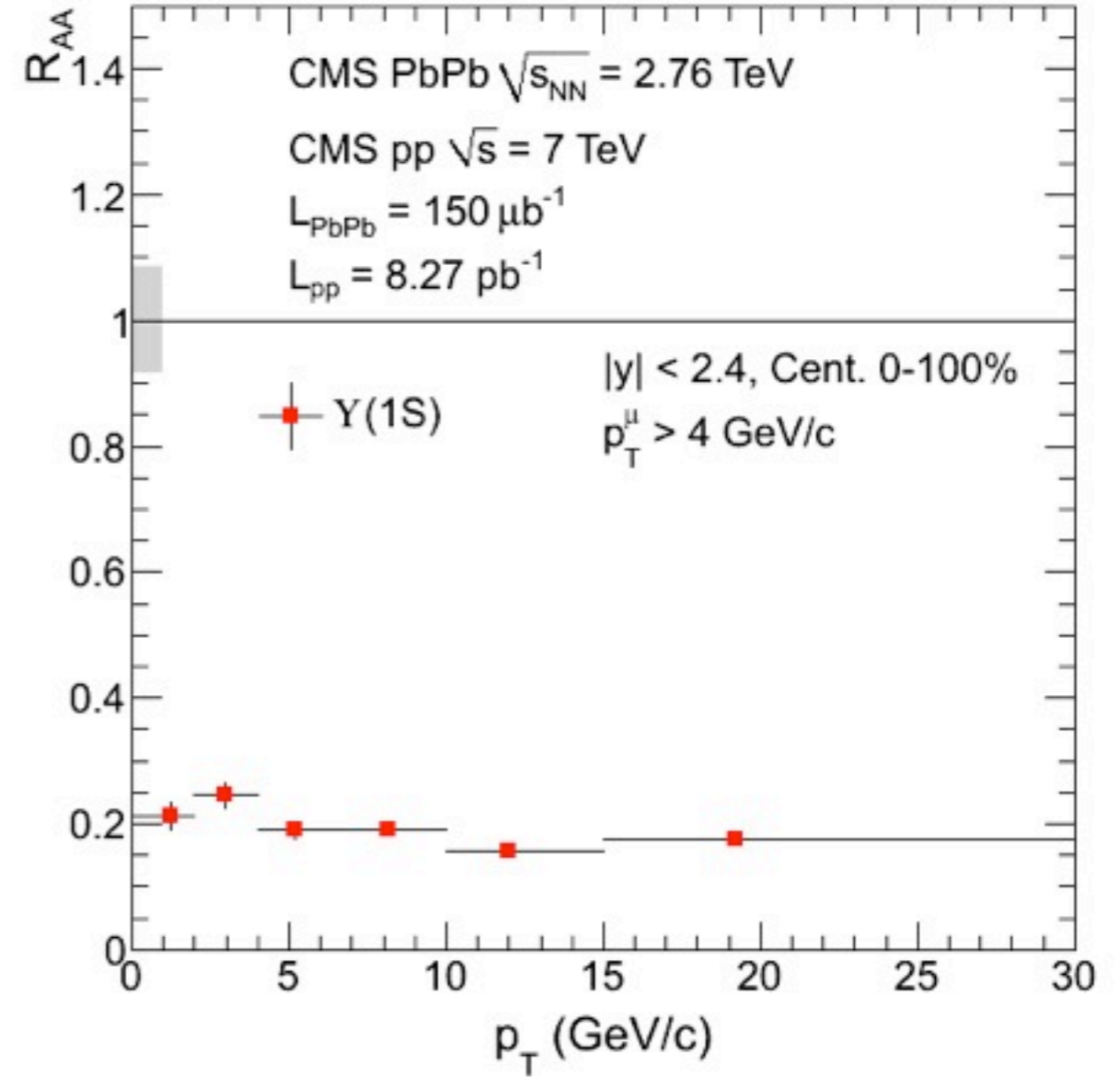
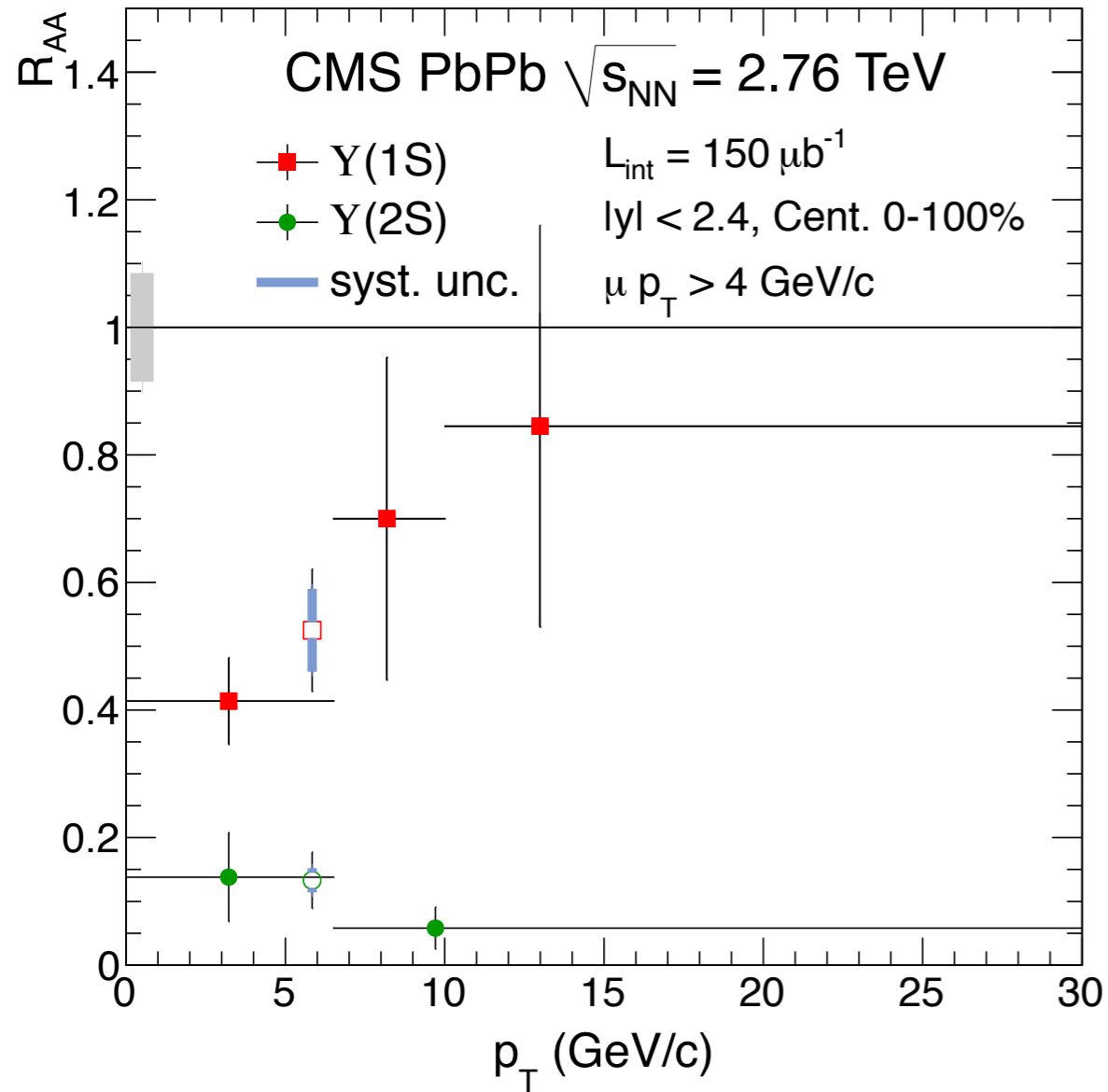


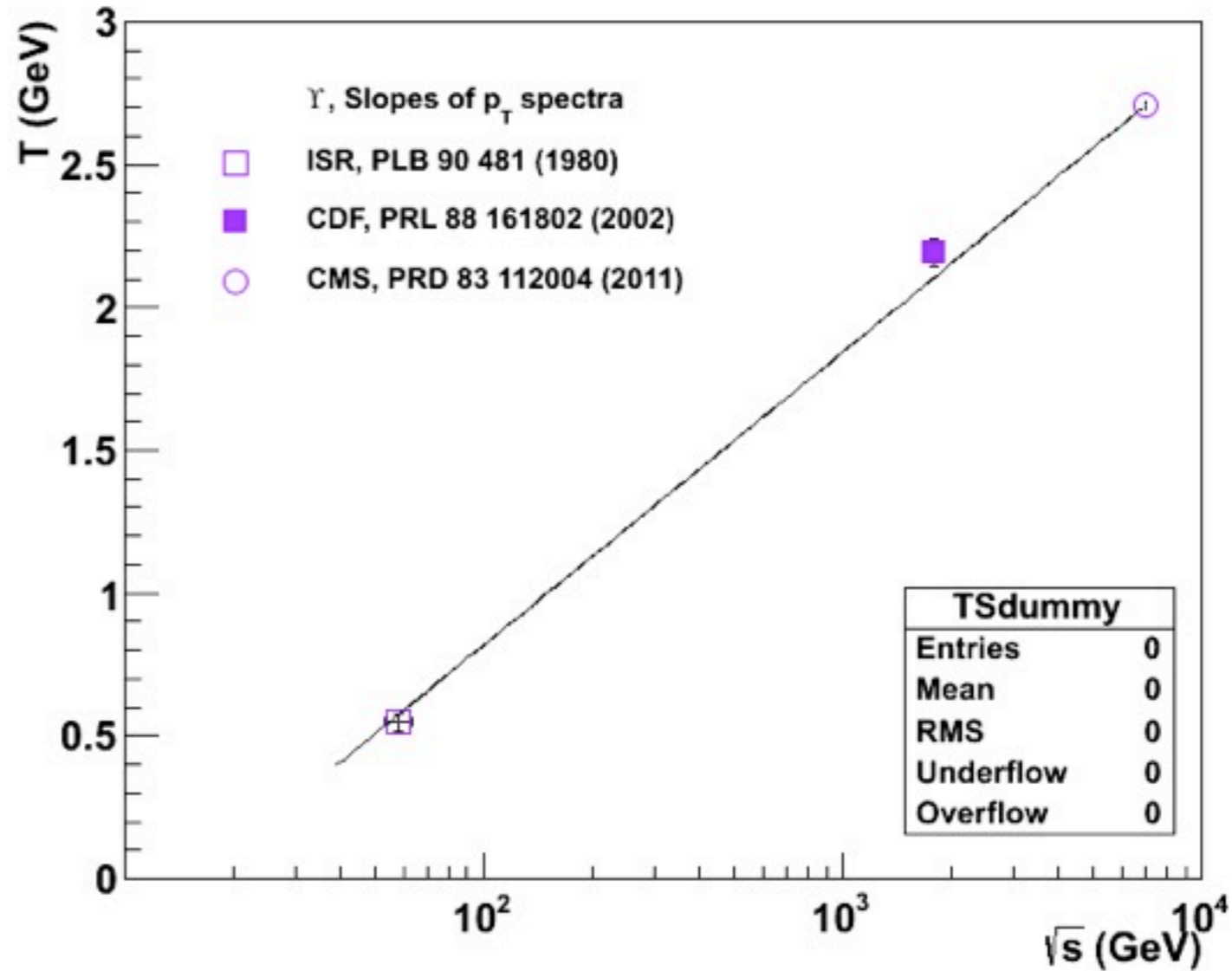
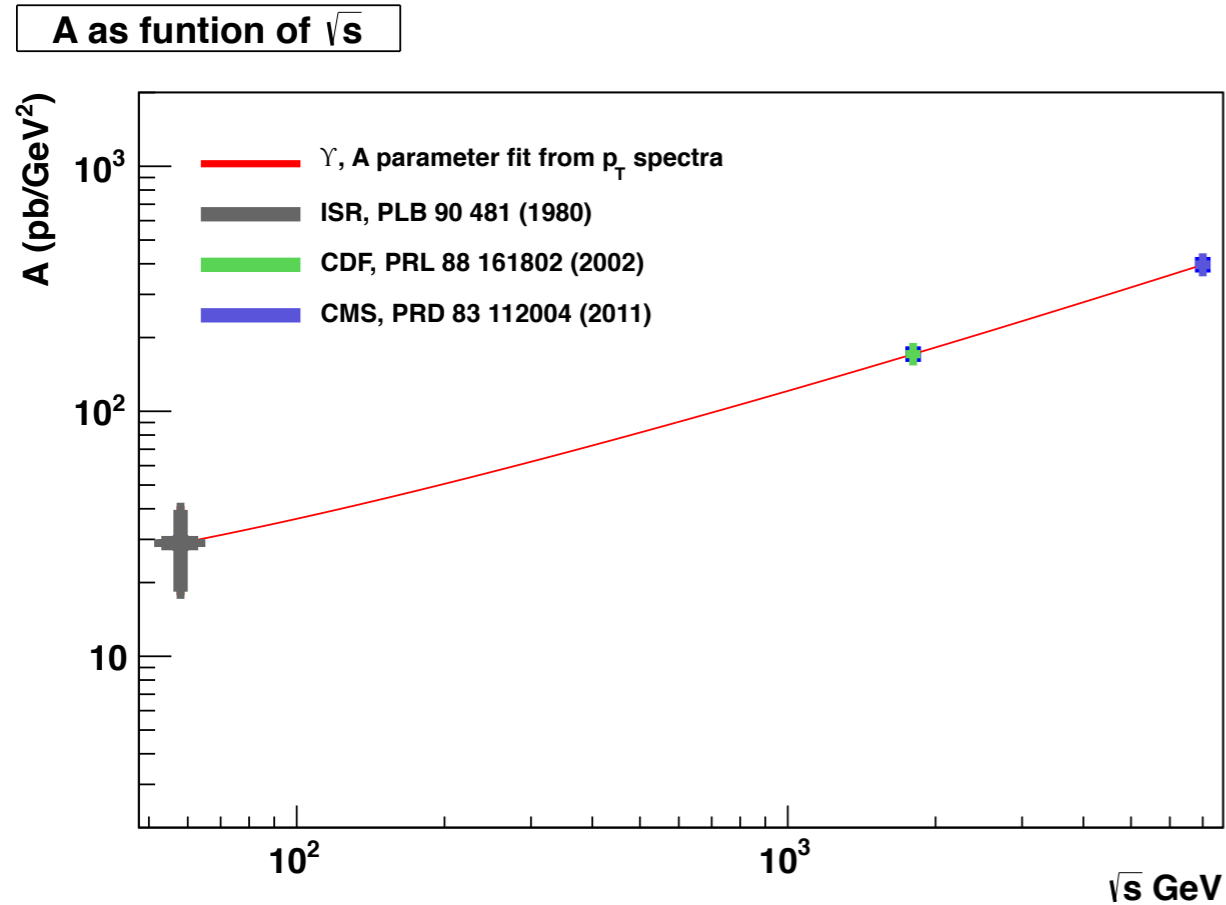
Guillermo Breto Rangel
Dilepton meeting (9-12-12)

R_{AA} (2.76 TeV both pp and PbPb)



A and T parameter

$$d\sigma/dp_T = A \cdot p_T / (\exp(p_T/T) + 1)$$



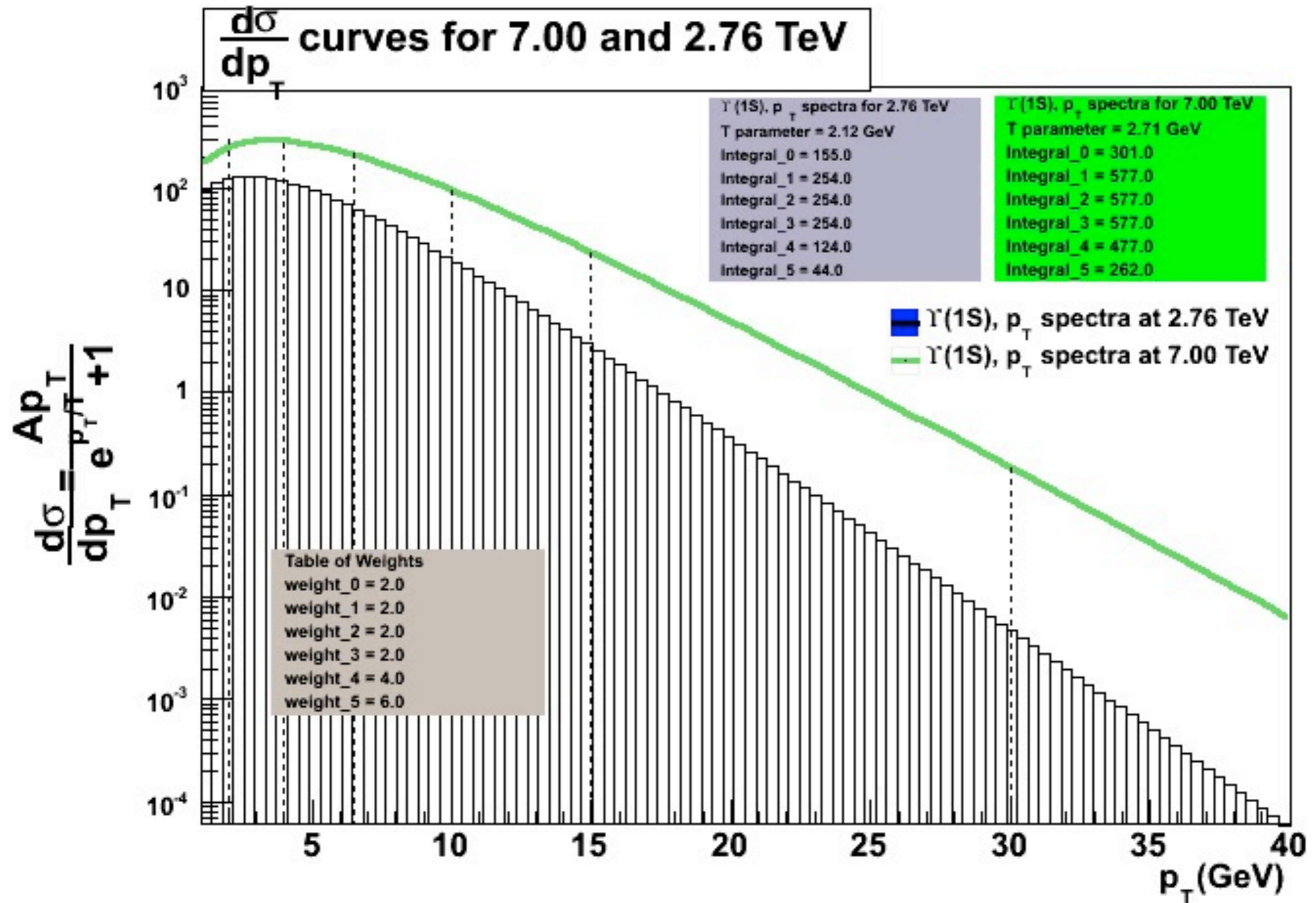
FCN=2.1826e-07 FROM MIGRAD STATUS=CONVERGED 853 CALLS 854 TOTAL
 EDM=4.53941e-07 STRATEGY= 1 ERROR MATRIX ACCURATE
 EXT PARAMETER APPROXIMATE STEP FIRST
 NO. NAME VALUE ERROR SIZE DERIVATIVE
 1 p0 1.54837e+01 1.12170e+01 2.08636e-04 2.28852e-04
 2 p1 8.59411e-01 7.88933e-02 1.65578e-06 4.26385e-02
 3 p2 -1.80714e+00 2.12346e+01 2.57856e-03 7.50650e-06

FCN=3.49425 FROM HESSE STATUS=NOT POSDEF 10 CALLS 102 TOTAL
 EDM=5.27069e-10 STRATEGY= 1 ERR MATRIX NOT POS-DEF
 EXT PARAMETER APPROXIMATE STEP FIRST
 NO. NAME VALUE ERROR SIZE DERIVATIVE
 1 p0 4.45209e-01 1.13640e-04 1.06146e-07 -4.52414e+00
 2 p1 -1.23173e+00 1.00613e-03 2.93668e-07 -5.10101e-01

The value of A at 2.76 TeV is 222.0 pb/GeV²
 The value of A at 5.00 TeV is 320.0 pb/GeV²
 The value of A at 7.00 TeV is 396.0 pb/GeV²

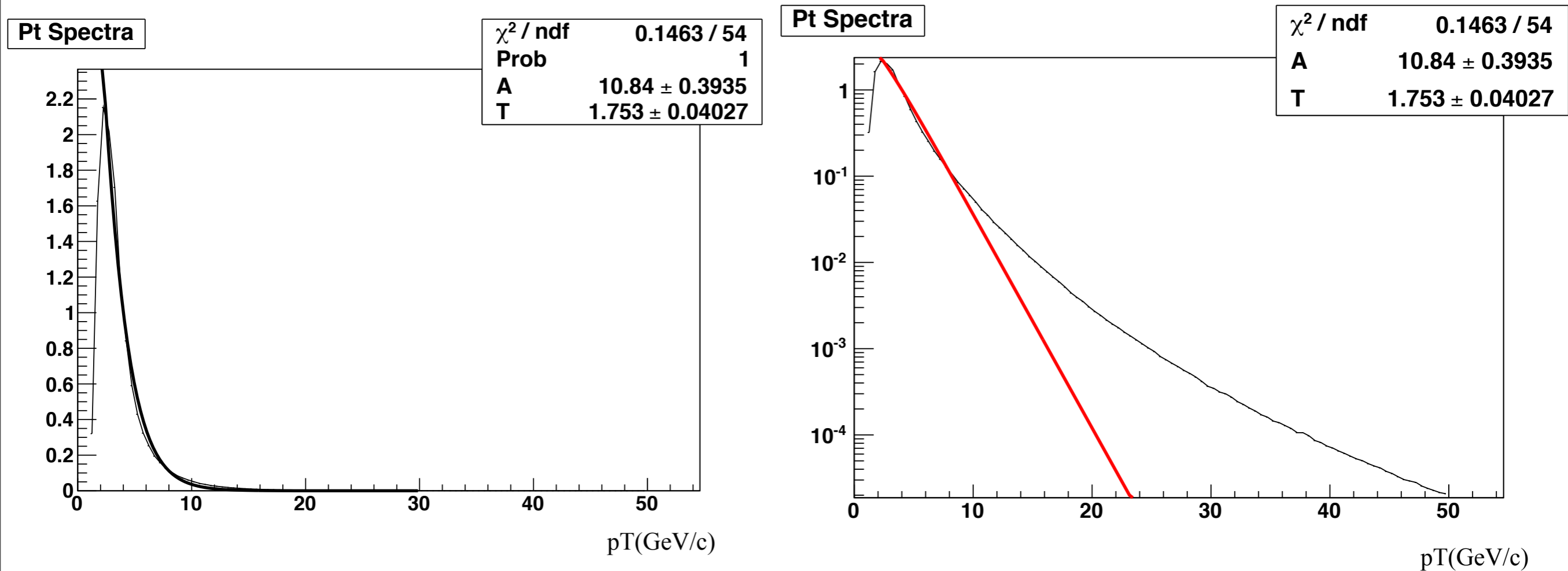
T(sqrt(s)=200 GeV) = 1.12713 GeV.
 T(sqrt(s)=2.76 TeV) = 2.29565 GeV.
 T(sqrt(s)=7.00 TeV) = 2.71 GeV.

Putting our A and T in our parametrization



Weight_[x] = Integral_7TeV_[x]/Integral_276TeV_[x] where [x is the pt interval:]

Ramona's Calculation



I just managed to import her weird data files about 5 minutes ago literally. I don't even know which units she's using except pT is in GeV. She doesn't know either.

UPC Jpsi Cross section

Studying muon cuts

