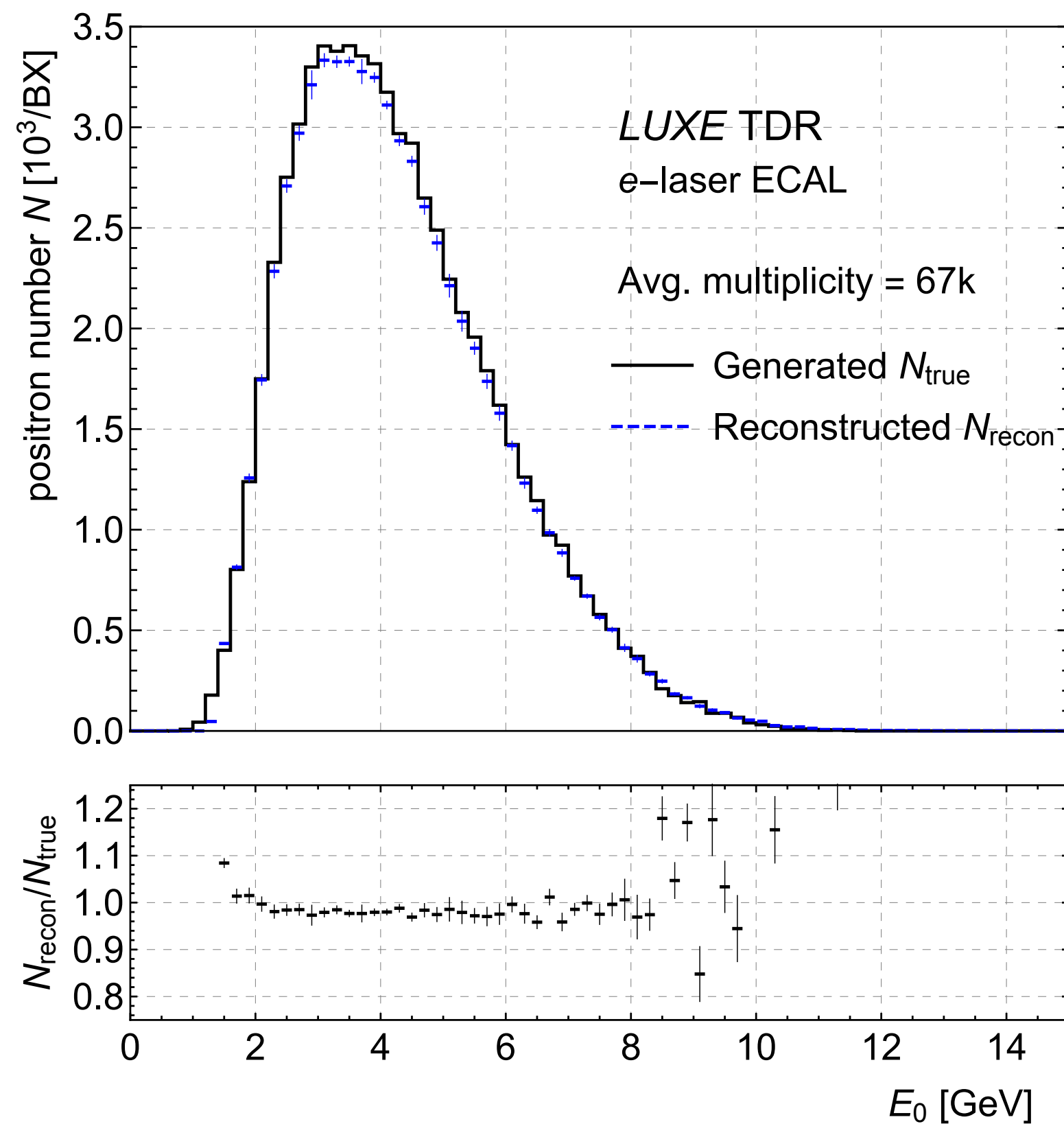


Saturation test

- Available multiplicities = 140 (under limit), **60k, 2M**
- Metrics for saturation error:
 - reconstructed positron number
 - RMS error of the difference over all energy bins

- Dynamic range = $(Q_{\max}/150, Q_{\max})$
- Conversion between Q_{dep} and E_{dep}
 $4 \text{ fC} = 1 \text{ MIP} = 90 \text{ keV}$

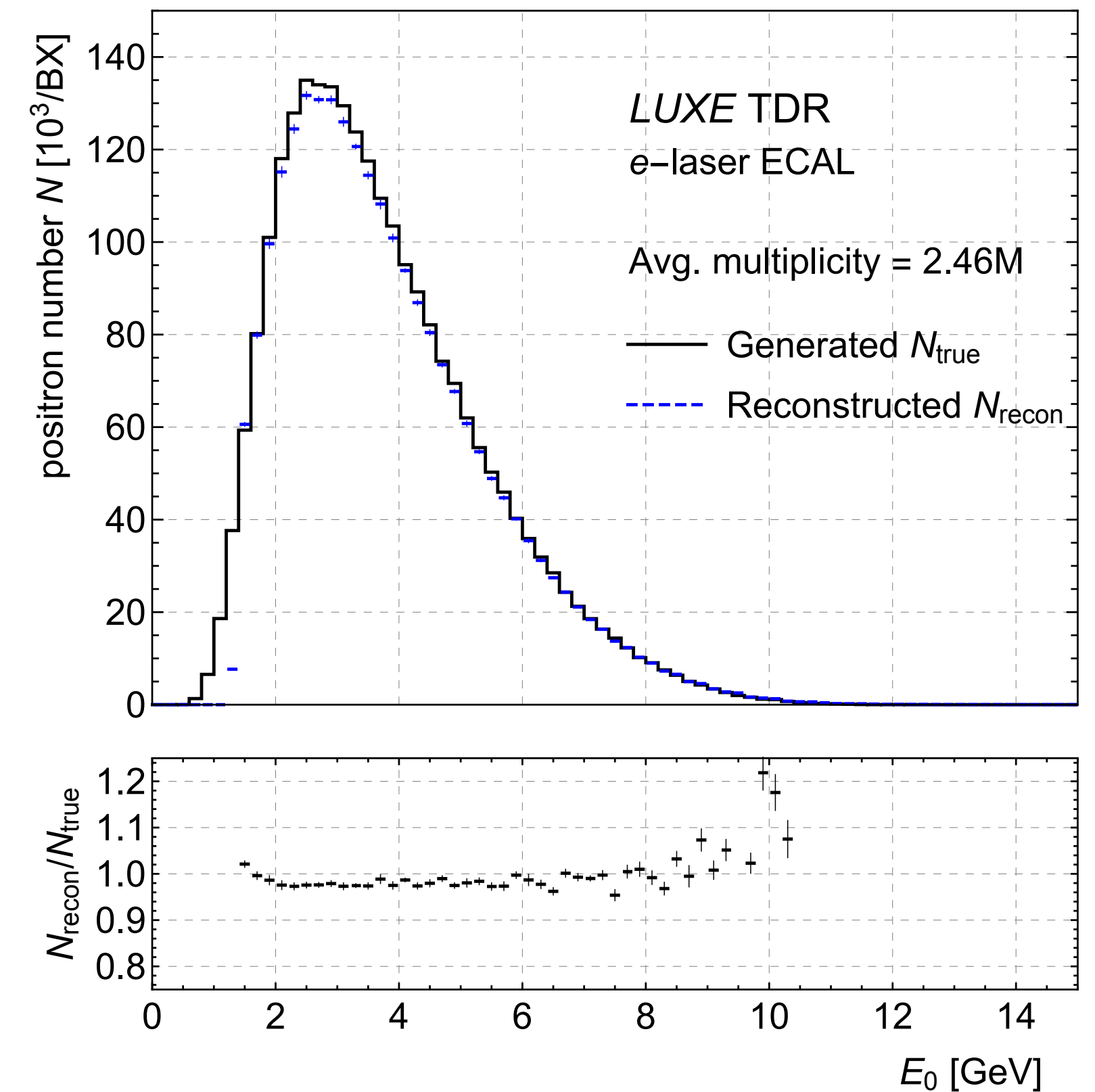


EnergyFlow spectrum

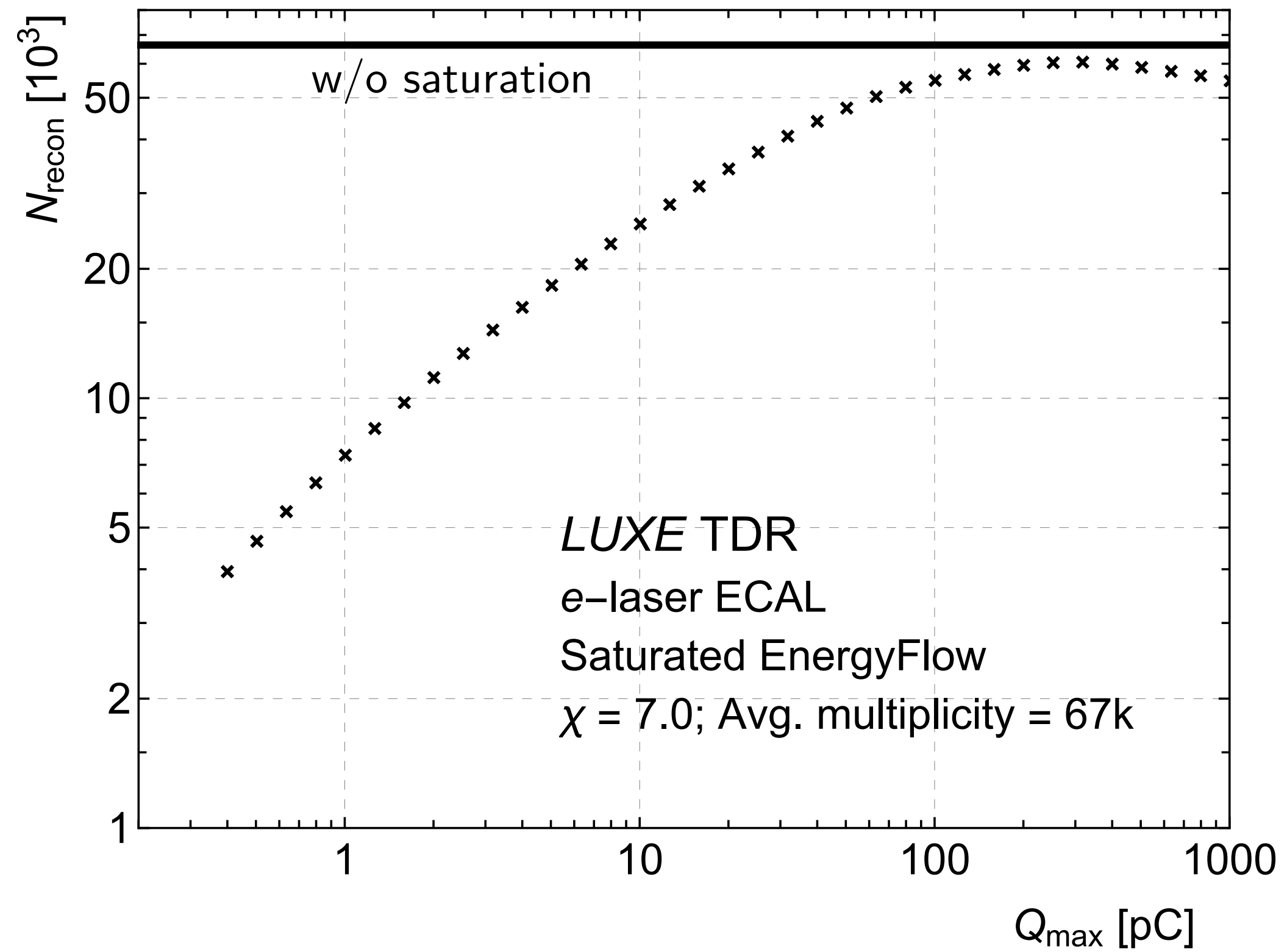
w/o saturation:

left: $\chi = 7.0$

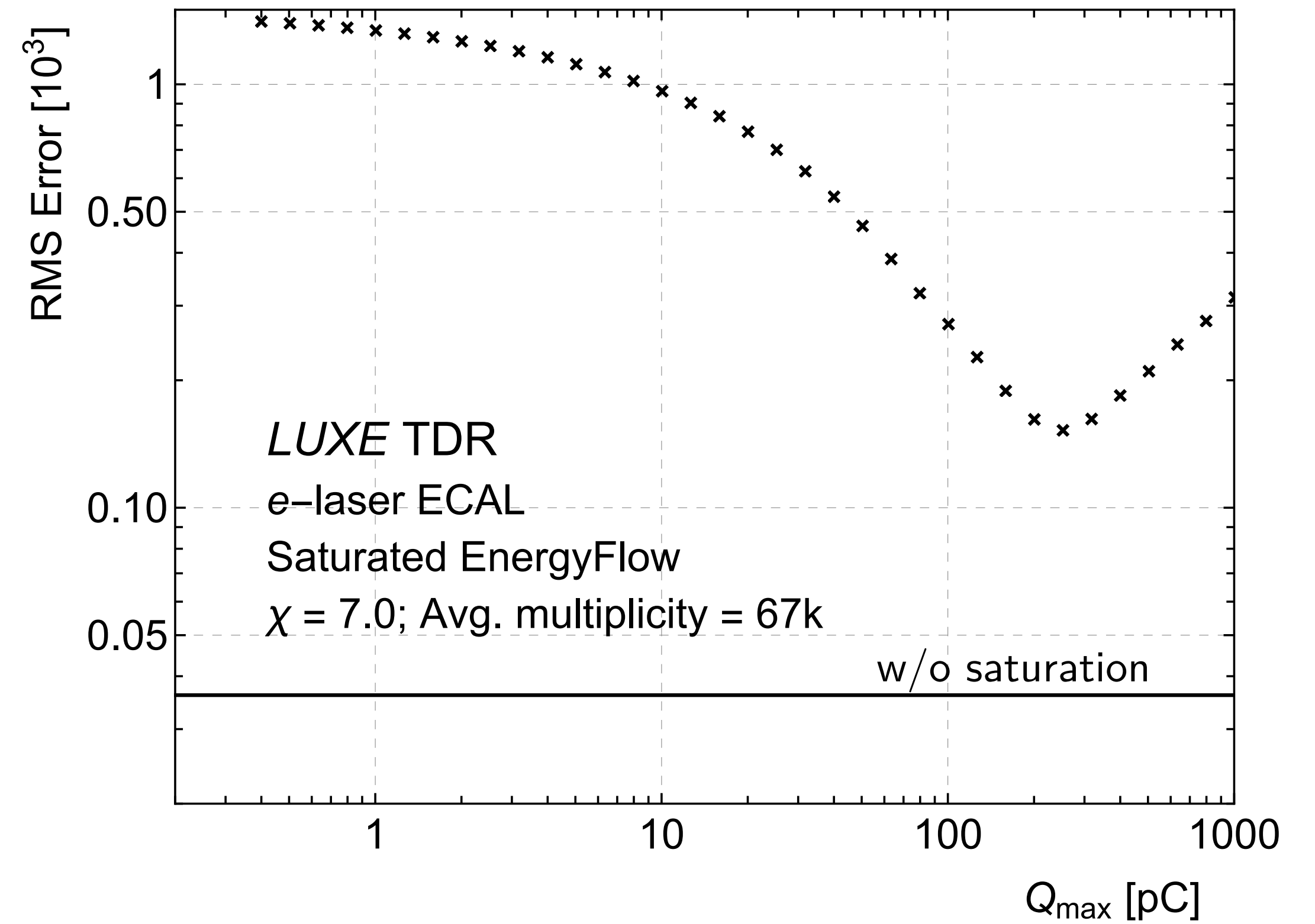
right: $\chi = 10.0$



Saturation for 67k multiplicity

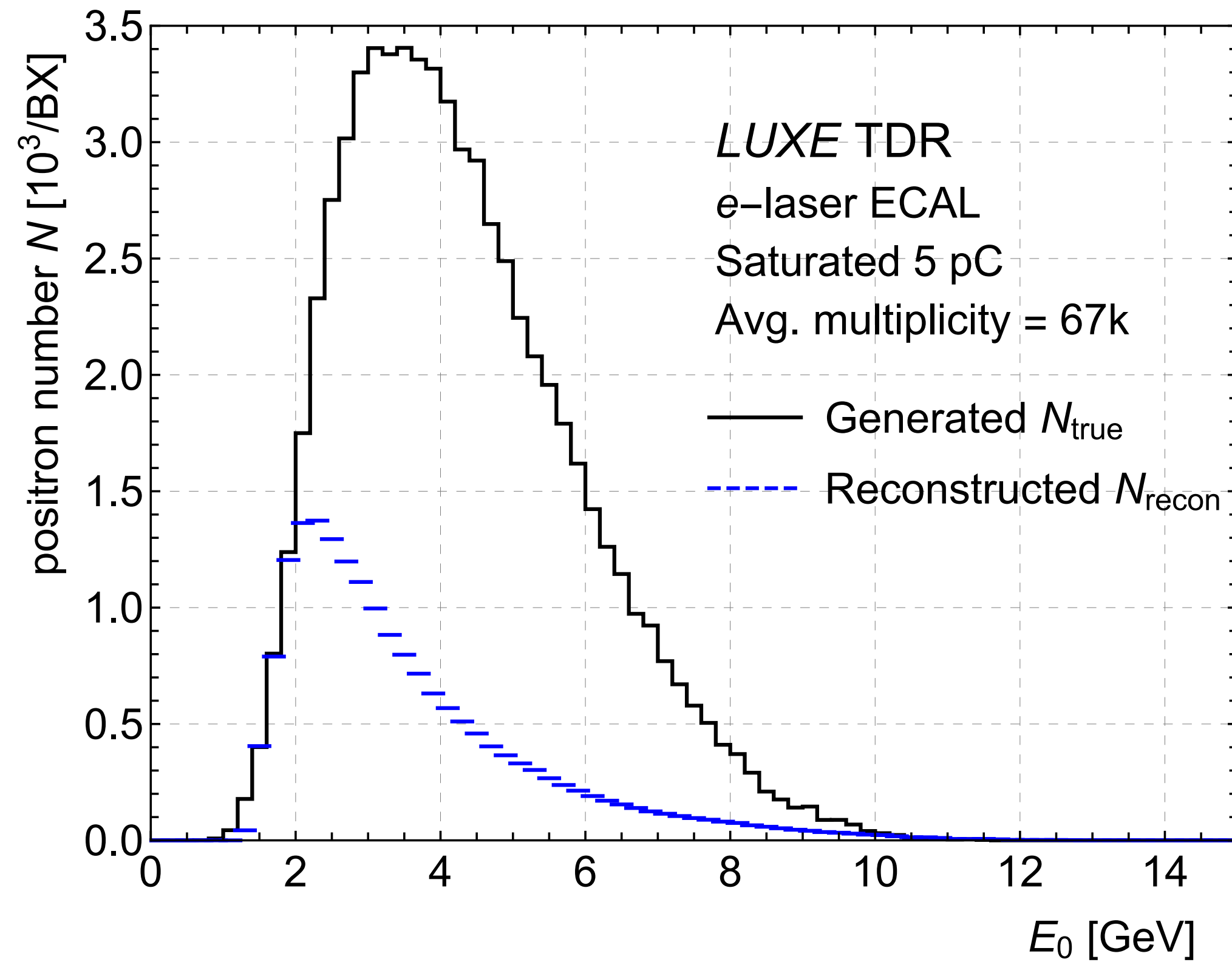


Reconstructed positrons

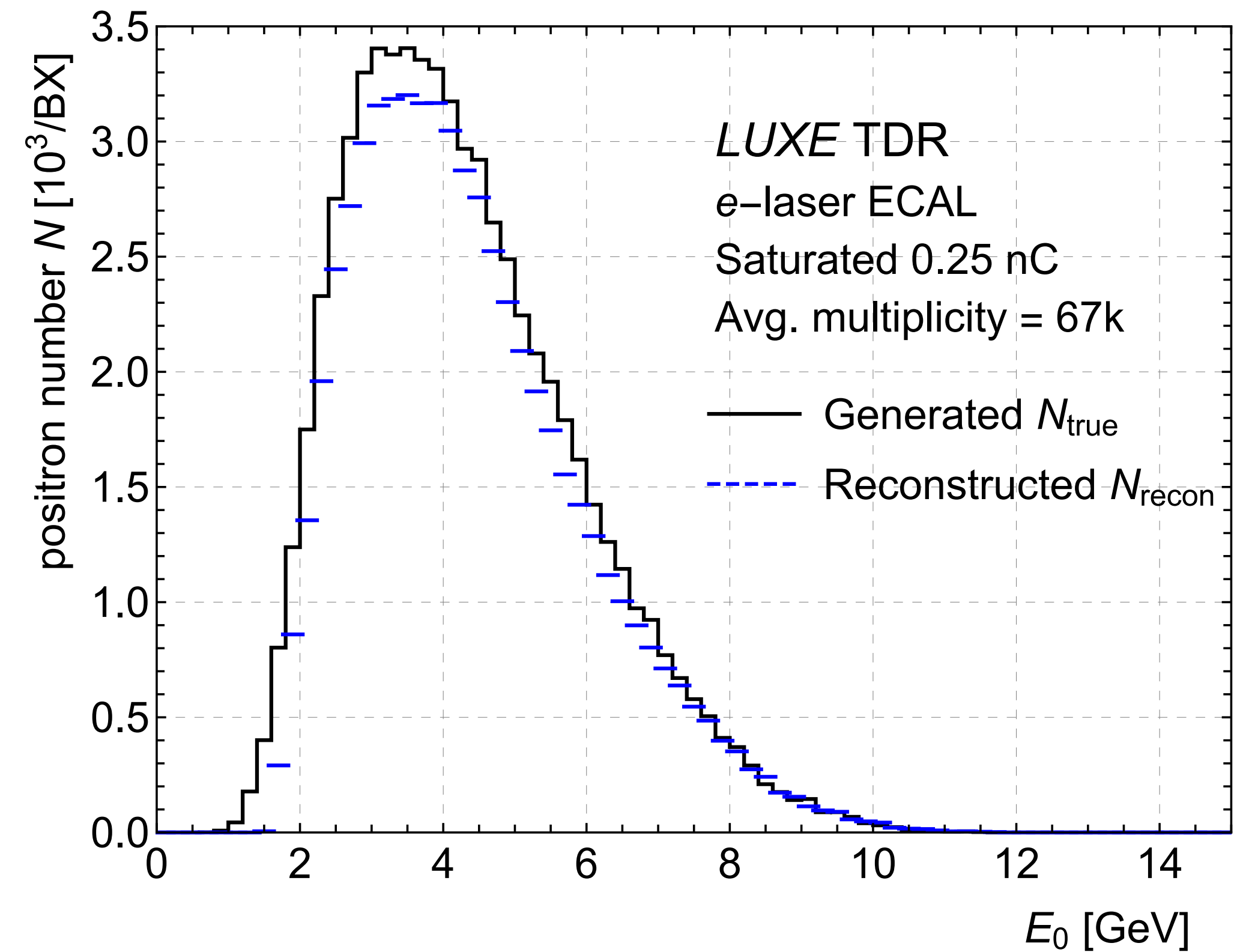


RMS over spectrum bins

Saturation for 67k multiplicity

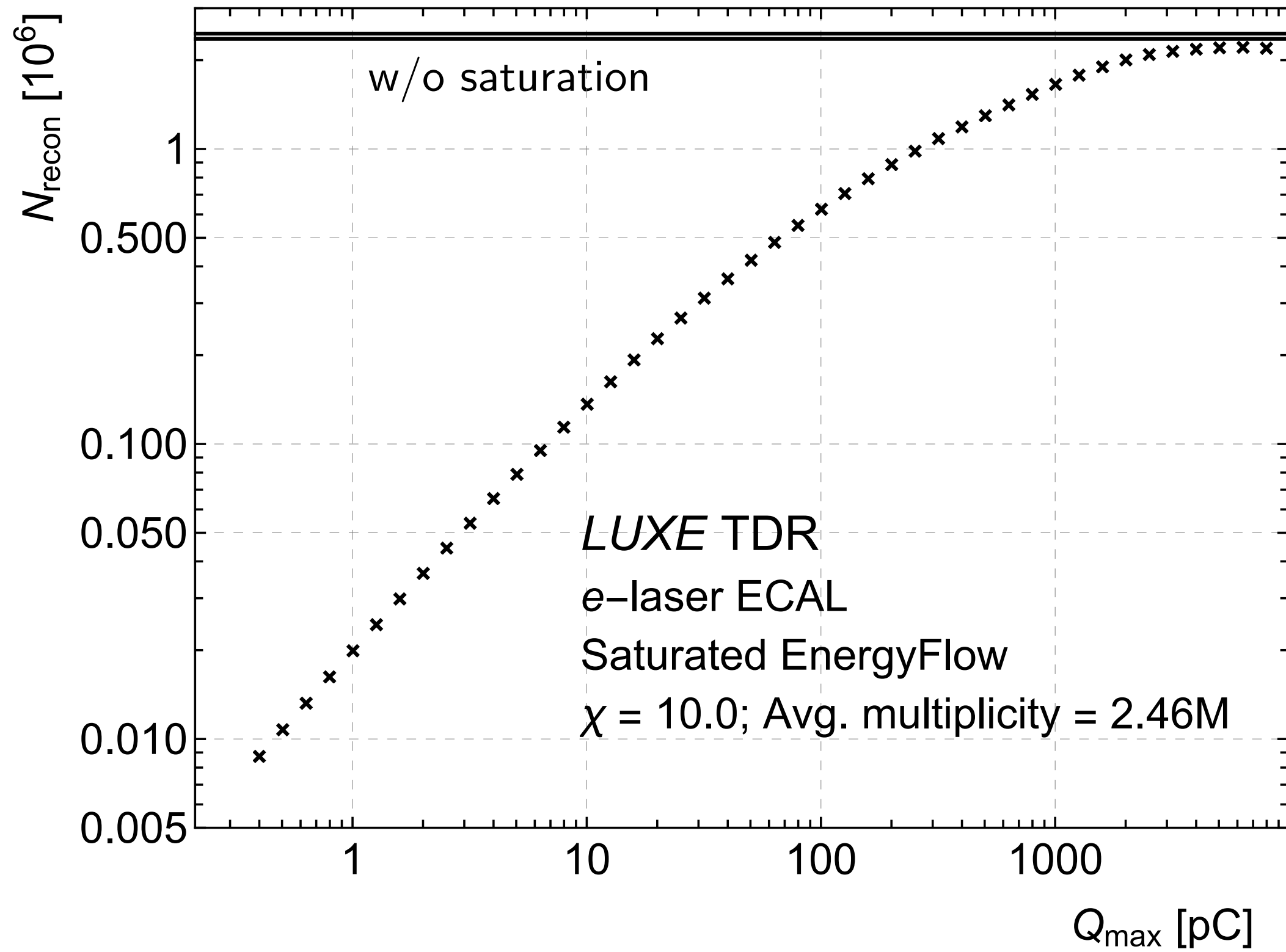


EnergyFlow for current limit

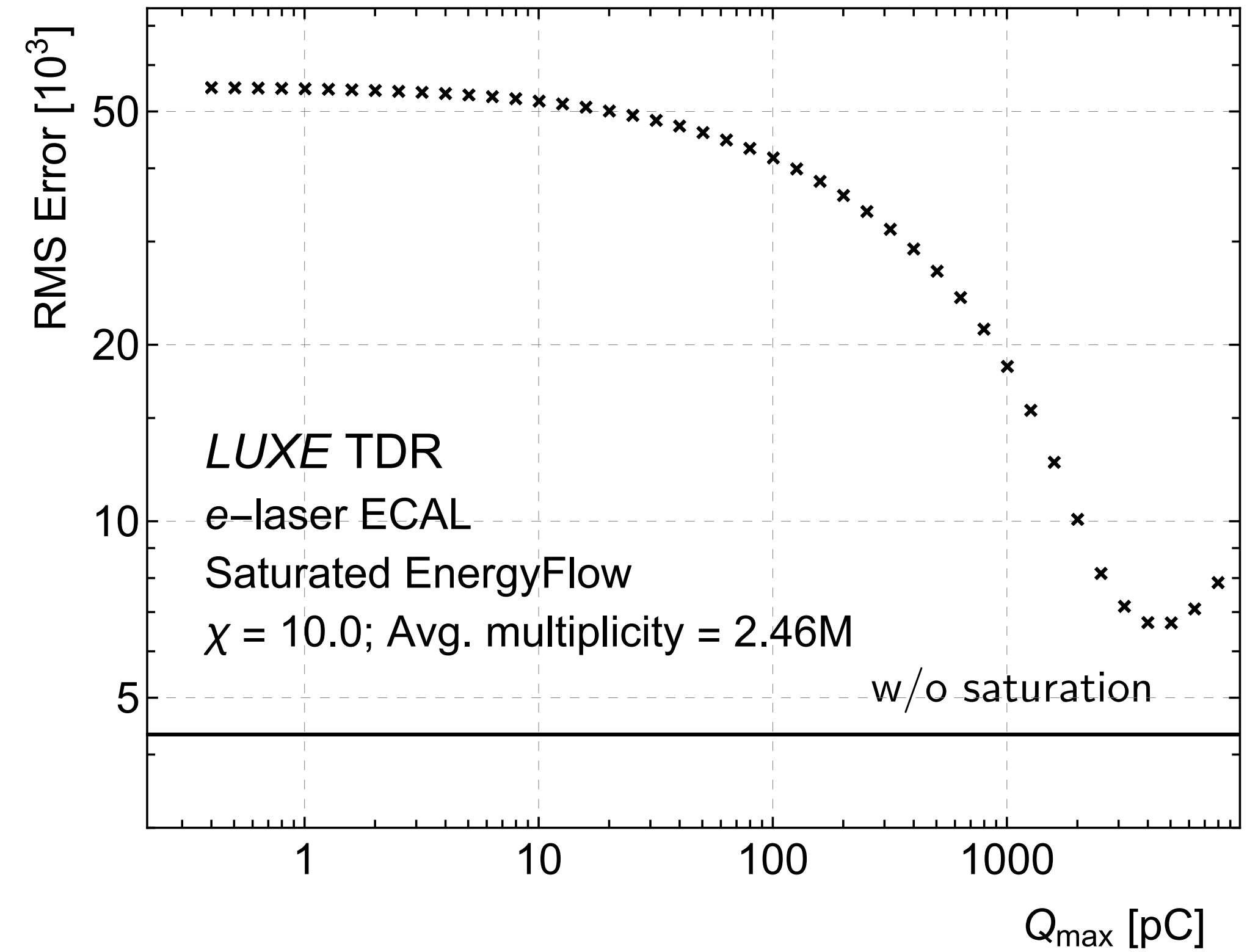


EnergyFlow for the Best Q_{max}

Saturation for 2M multiplicity

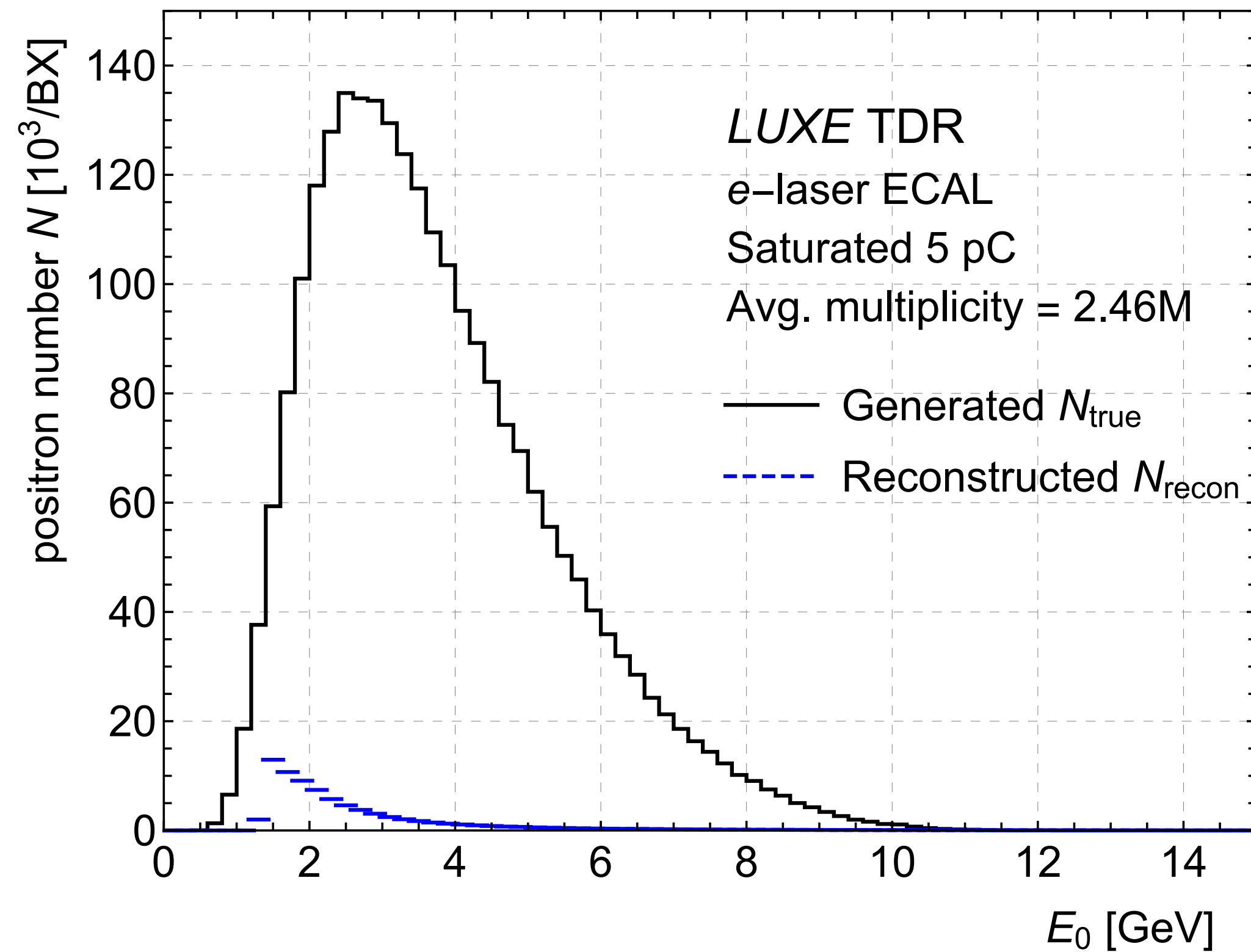


Reconstructed positrons

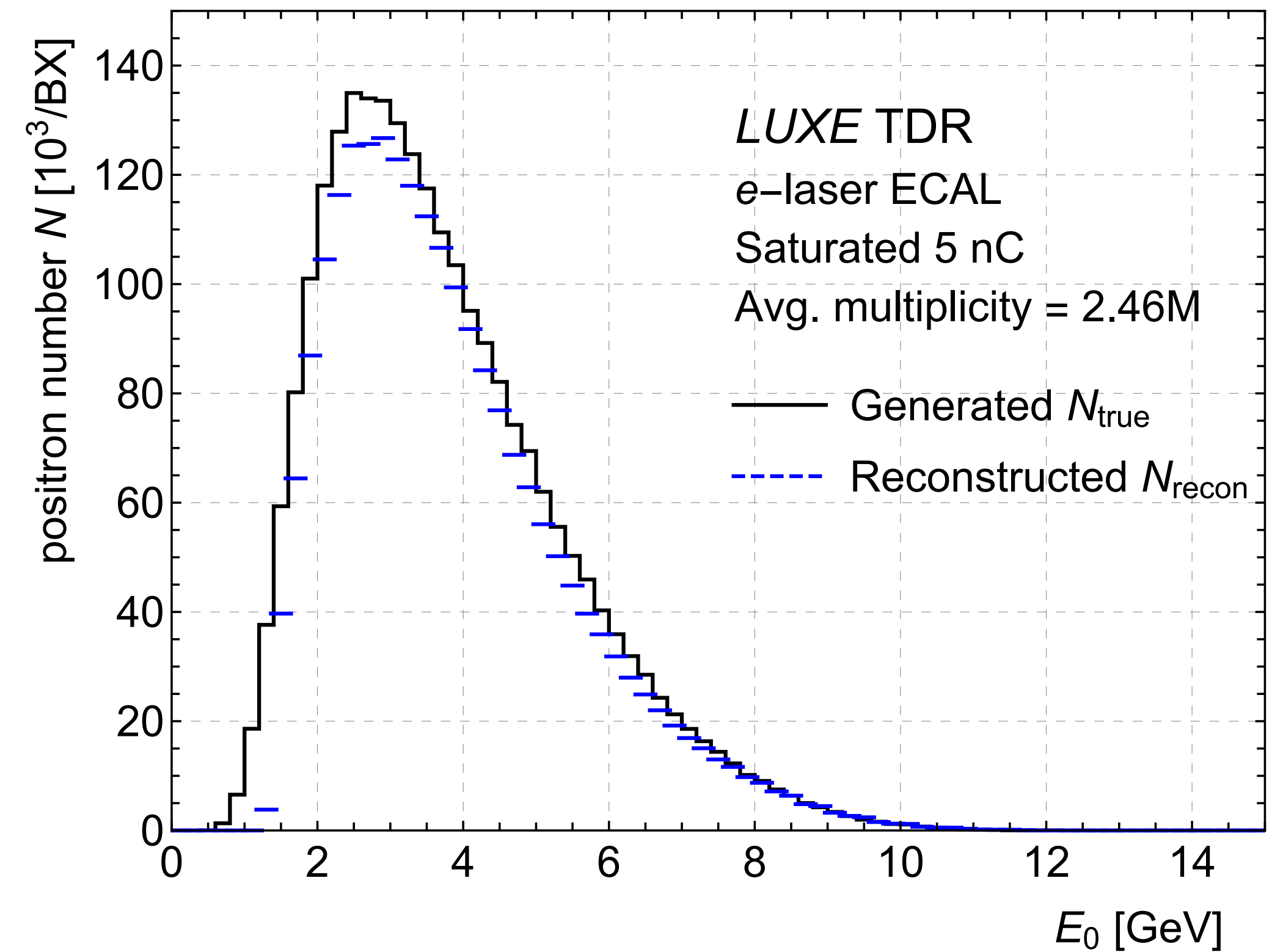


RMS over spectrum bins

Saturation for 2M multiplicity



EnergyFlow for current limit



EnergyFlow for the Best Q_{max}