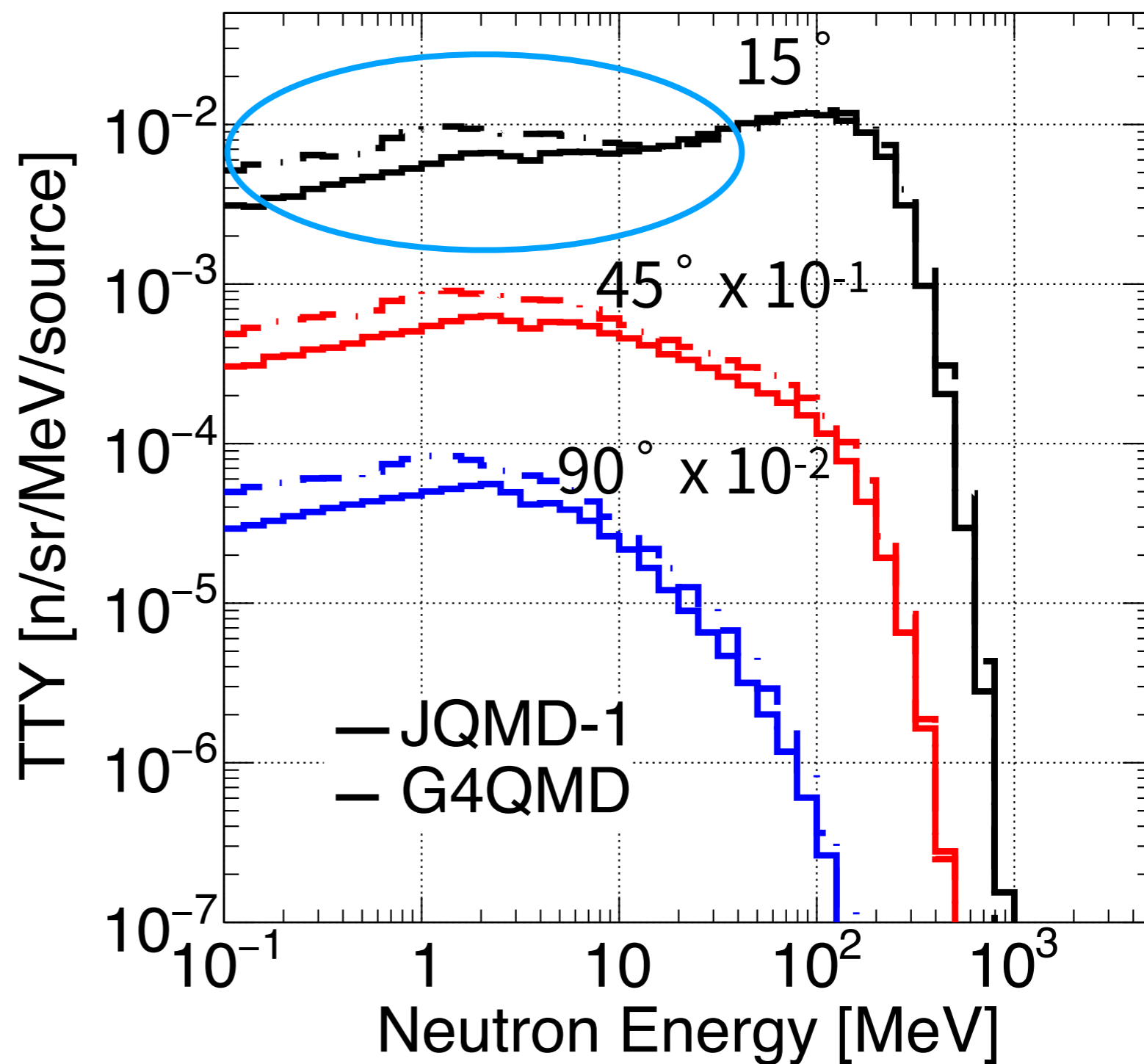


290 MeV/u $^{40}\text{Ar} + \text{C}$ TTY

TTY with $E_n < 10$:

JQMD < G4QMD

Neutron emission in the energy range is mainly occupied by GEM calculation.



What causes the difference??

History was 10^4 for both calculation.

The histogram of excitation energy is shown in below figure.

$E_{x,ave}$: the average value of excitation energy

$E_{x,med}$: the median of excitation energy

Number of GEM calculation:

after JQMD-1: 2463

after G4QMD: **16996**

Why is the number of GEM calculation largely different?

