ABCD: Splitting ttbar+1ℓ

- First find top quarks:
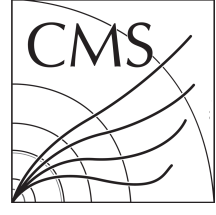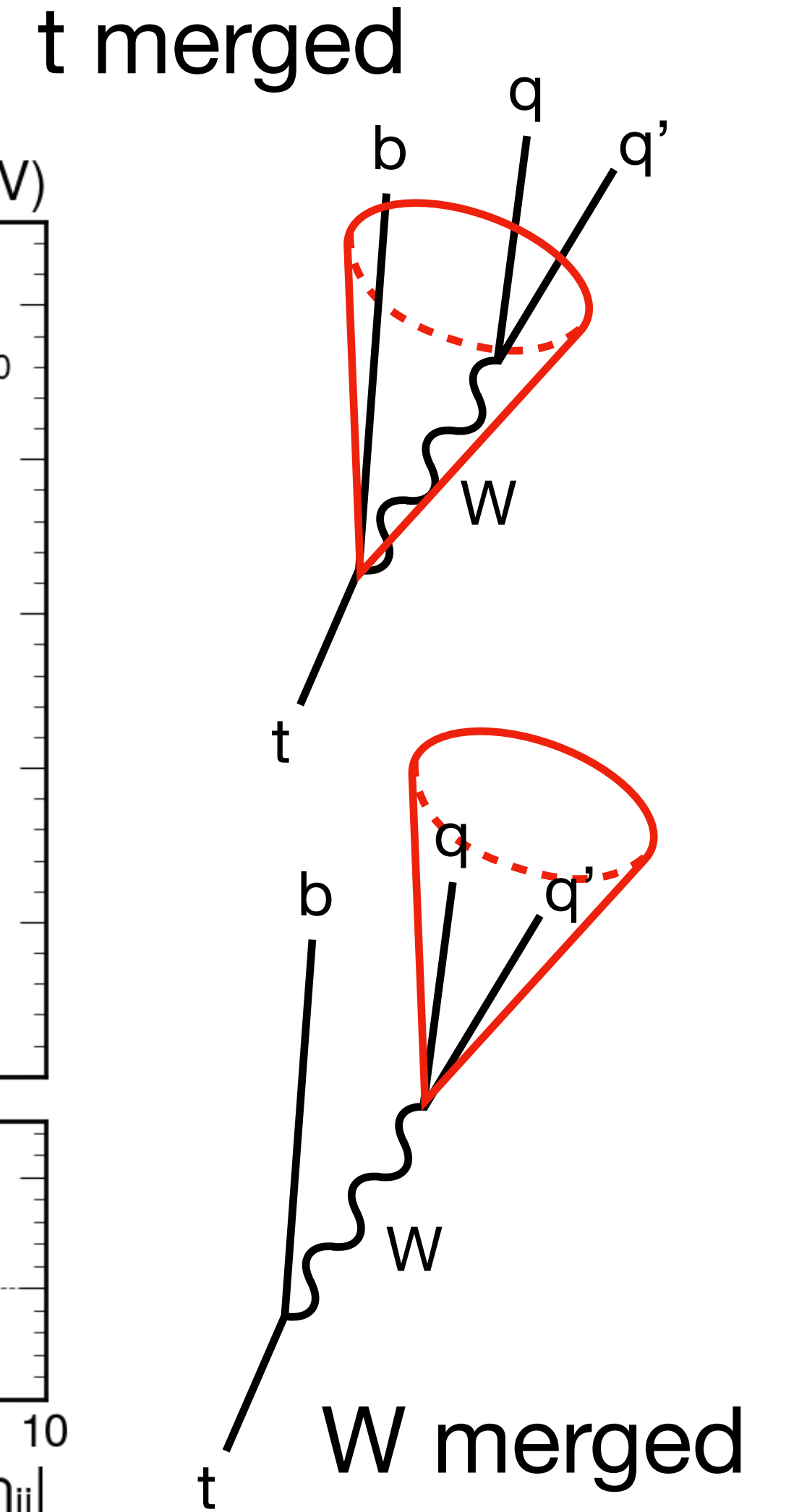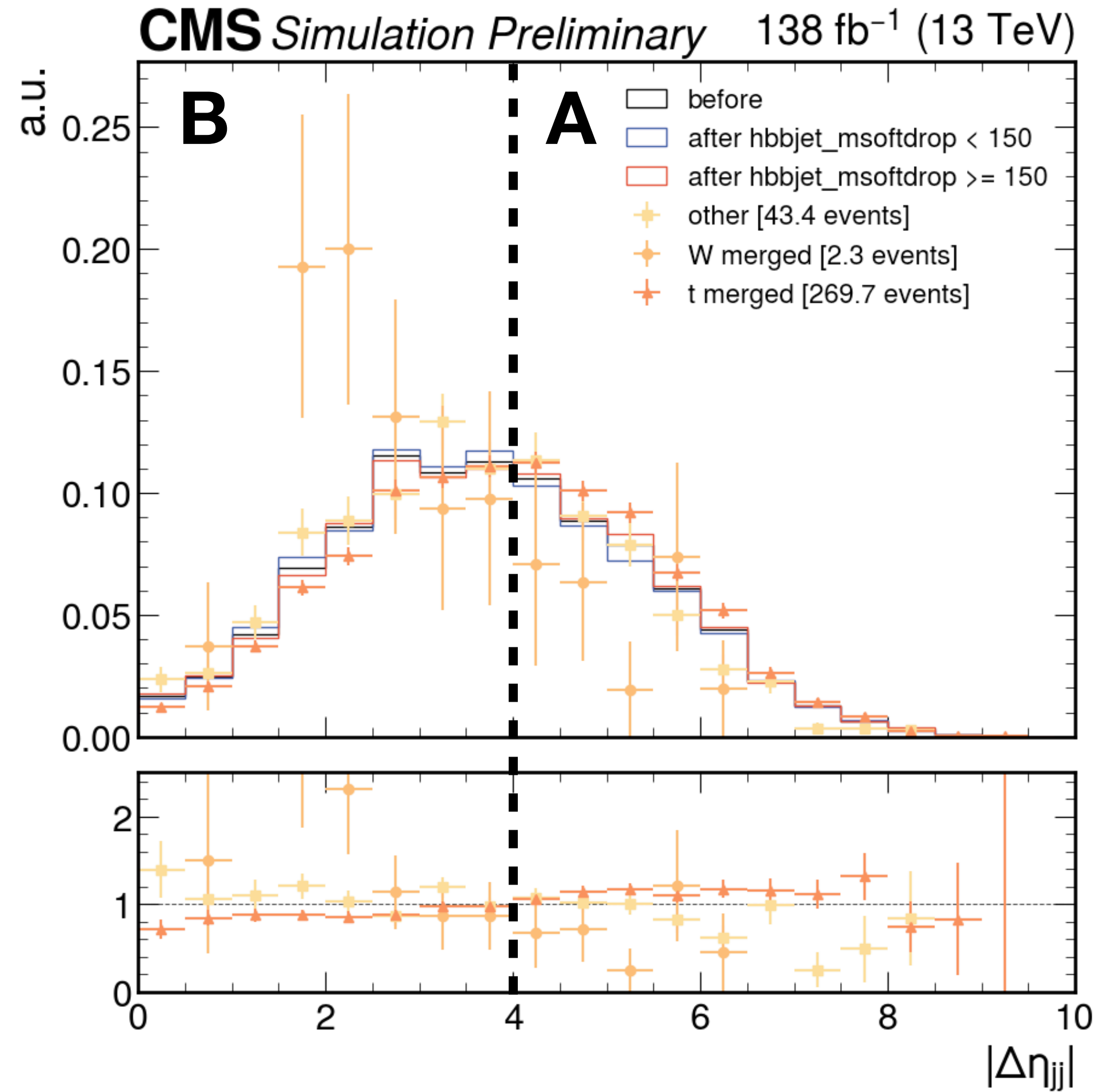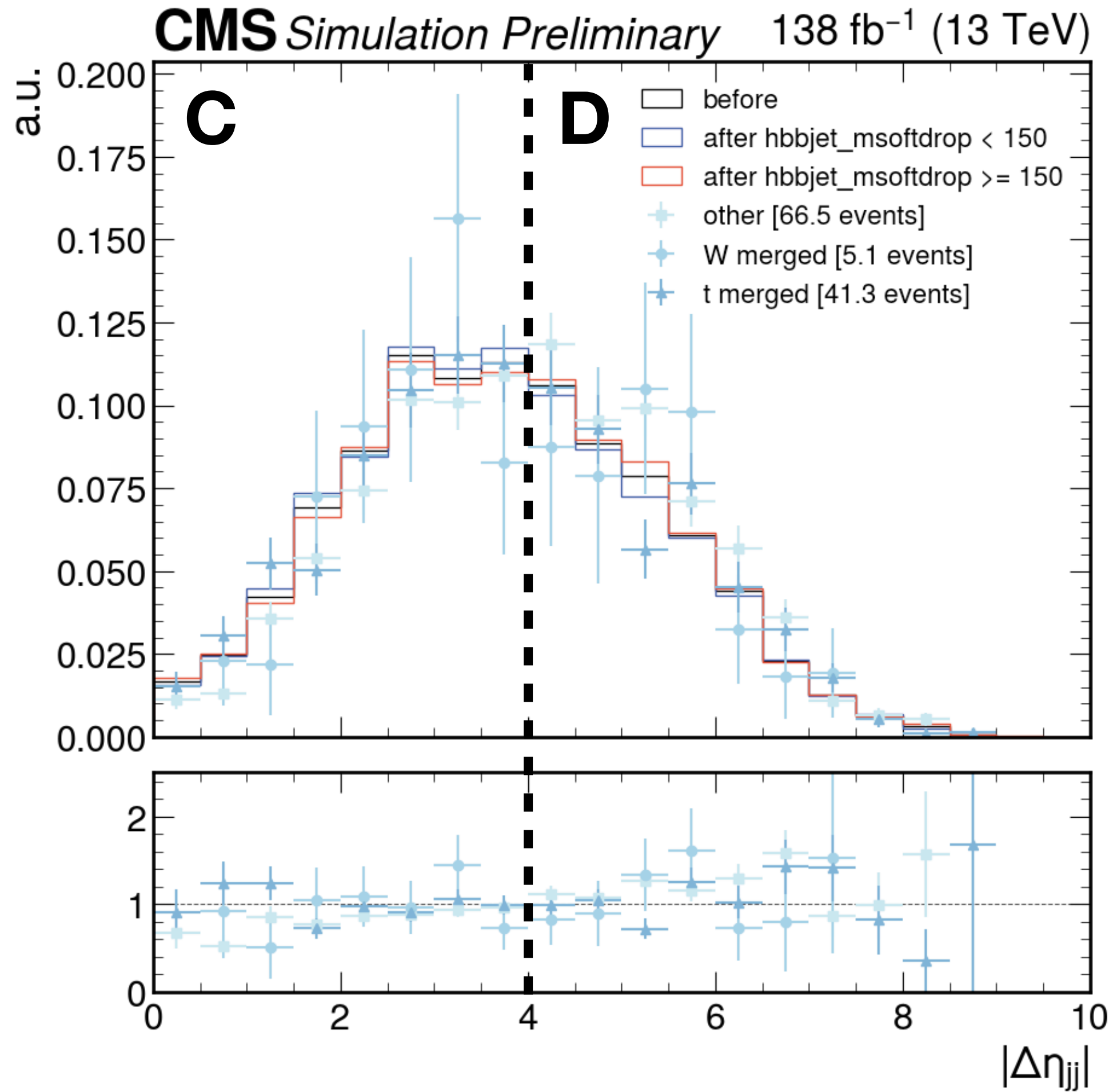
  - Status == 62

- Next, find W bosons from top quarks:

  - Mother == one of the top quarks, status == 22

  - OR Mother == W boson, status == 52 or 51

- Finally, look at outgoing quarks: (status == 23)

  - Find b quarks from one of the top quarks

  - Find q, q' from W→hadrons

t merged
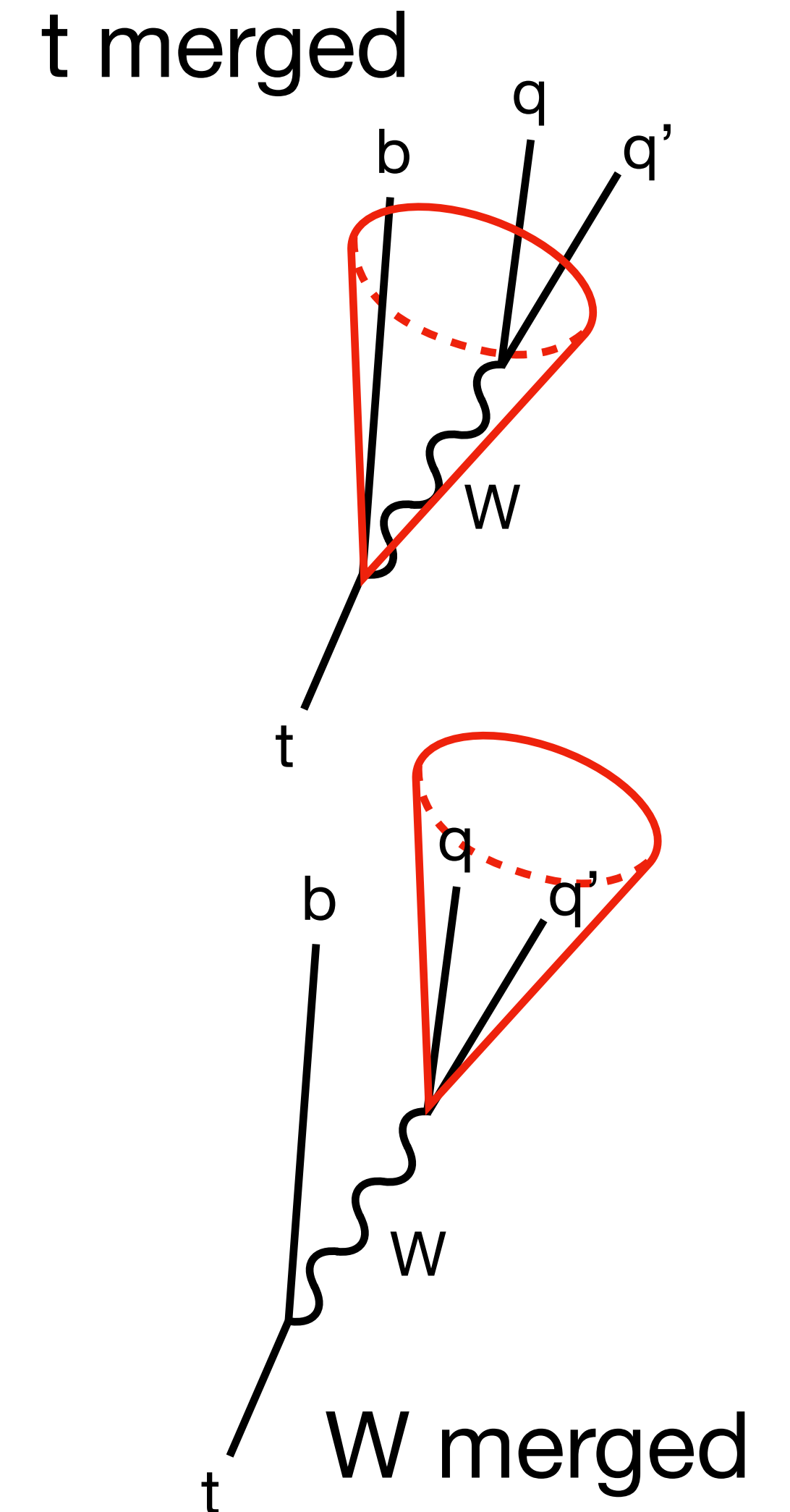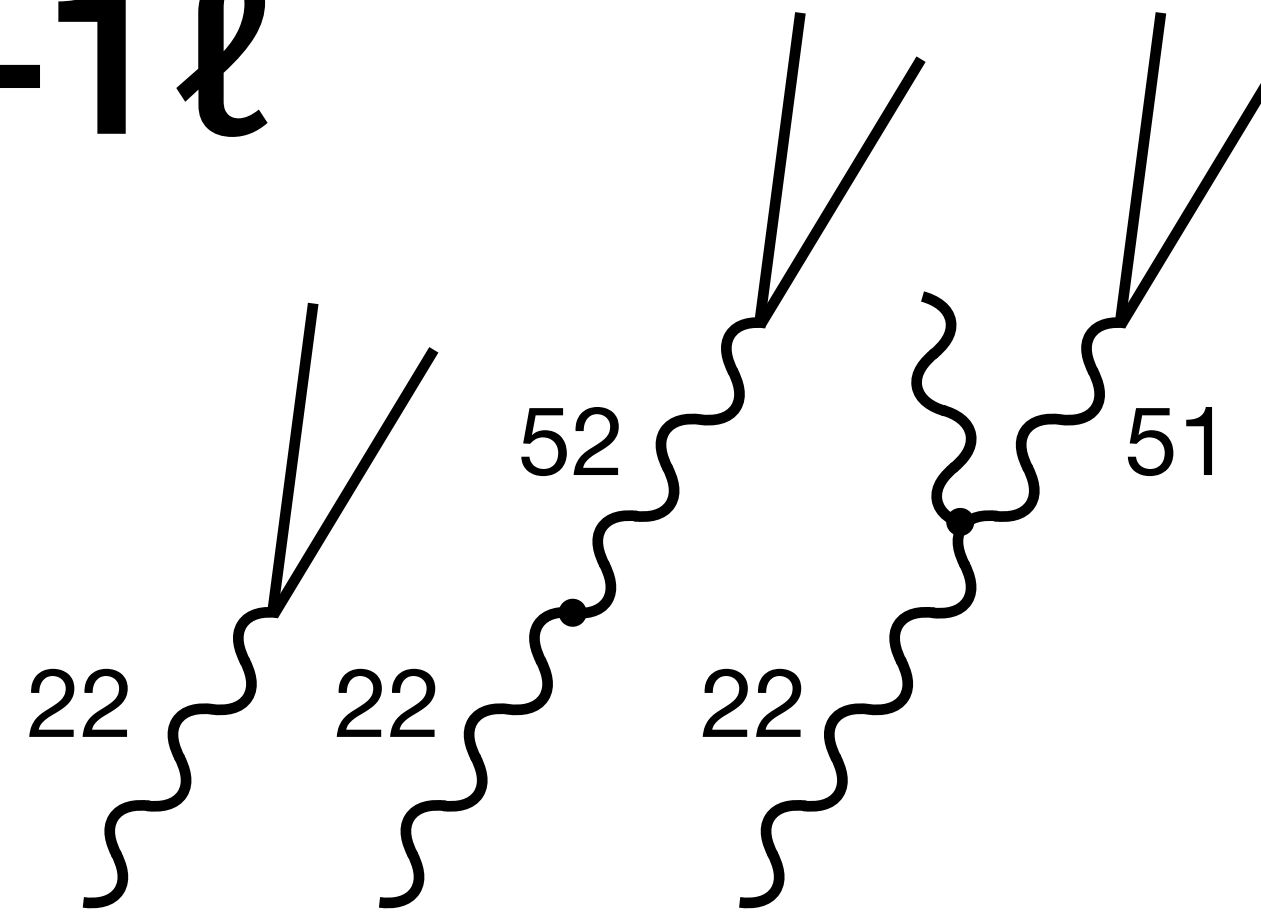
W merged

ABCD: Splitting ttbar+1ℓ

Some difference across B→A for W-merged t̄t+1ℓ events (only 2 events)