## **Status of the PHQMD production**

V.Kireyeu

2020-09-02 MPD PWG2 meeting

Out request: Bi+Bi,  $\sqrt{s_{NN}} = 8.8 \text{ GeV}$ , min. bias<sup>1</sup>, 15.000.000 events.

Model: PHQMD + MST<sup>2</sup> (light nuclei, hypernuclei).

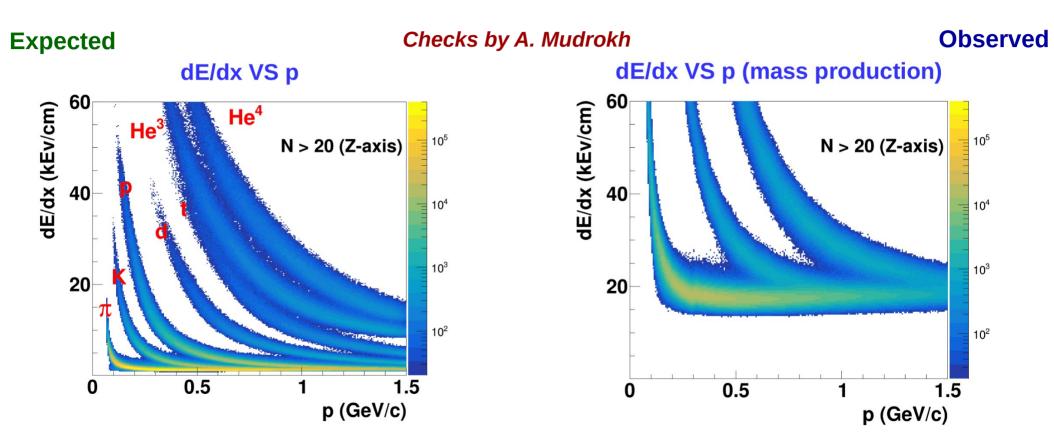
MpdRoot: "tpcDedx" branch.

Test production 1, 2: 200.000 events.

 $<sup>^{1}</sup>$  – Impact parameter b = 0 – 16 fm.

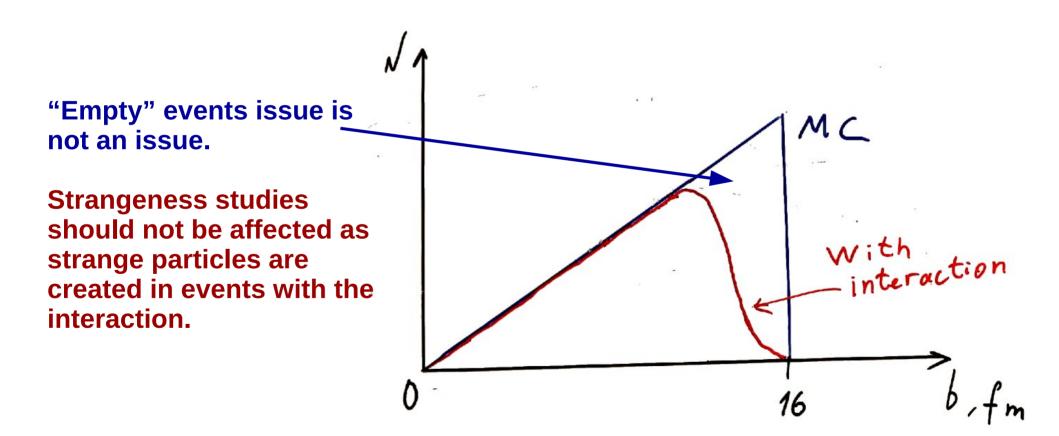
<sup>&</sup>lt;sup>2</sup> – MC data is still on the NICA cluster ("phsd.dat" ASCII format).

## Bi+Bi, $\sqrt{s_{NN}}$ = 8.8 GeV, min. bias, 200.000 events



Wrong git branch: dev instead of tpcDedx

Bi+Bi,  $\sqrt{s_{NN}}$  = 8.8 GeV, min. bias, 200.000 events



## **Test production 2, full production status and summary**

Test production 2: dE/dx problems of "Test production 1" were solved\*.

- **A. Moshkin on 01.09:**
- 1) ~11 M of events are ready
- 2) 15M of events will be on the NICA cluster at the end of this week

11M of events in 4 days: more than 2.5M per day – quite fast

## **Plans for next production requests:**

- a bit narrowed impact parameter range to reduce the number of events without interaction

\* – See slides with studies of A. Zinchenko, A. Mudrokh, V. Vasendina