

Progress in PHQMD simulation

V. Kireyeu¹

**MPD PWG2 meeting
2020-08-19**

1 - JINR, Dubna, Russia

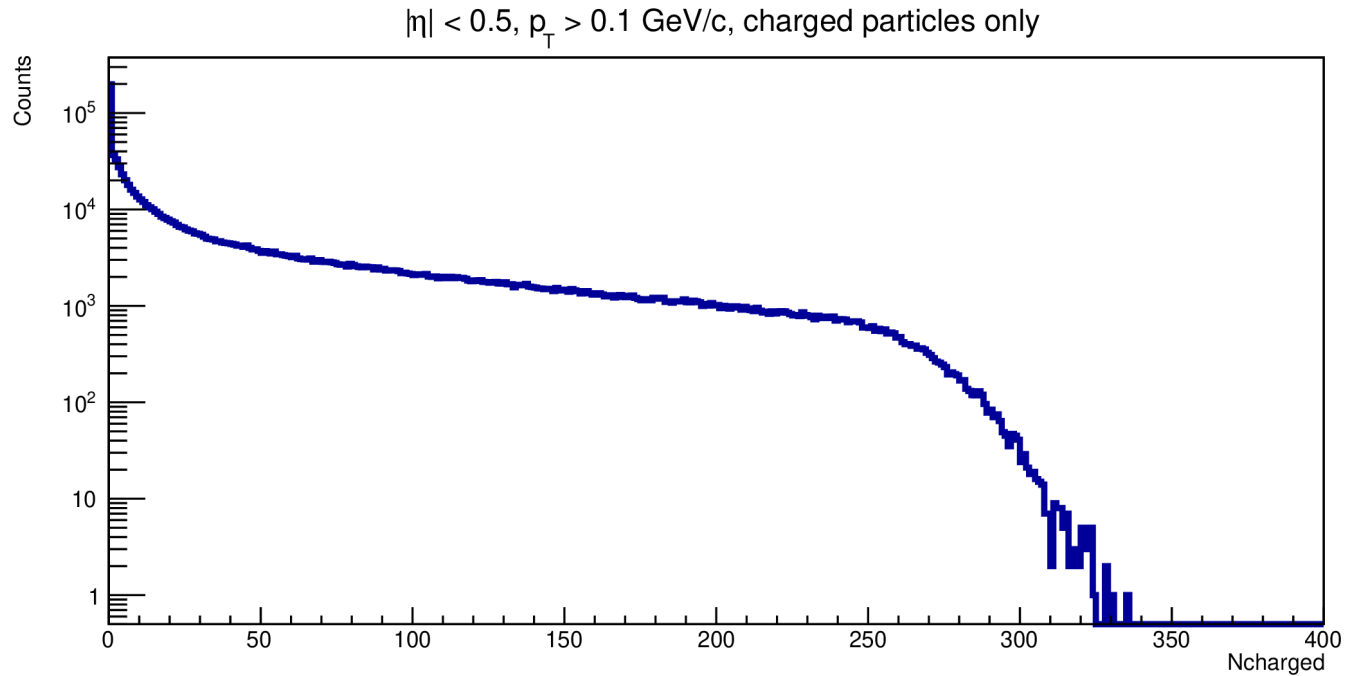
Hyperons and hypernuclei multiplicities

Pb+Pb @ $\sqrt{s_{NN}} = 8.8$ GeV, central

Bi+Bi @ $\sqrt{s_{NN}} = 8.8$ GeV, min.bias (7M are ready)

$\bar{\Omega}^+[-3334]$	$\Omega[3334]$	$\bar{\Xi}^+[-3312]$	$\Xi[3312]$	$\bar{\Lambda}^0[-3122]$	$\bar{\Sigma}^0[-3212]$
0.011784	0.093335	0.128817	2.525256	0.623181	0.315449
0.002044	0.018537	0.024068	0.559739	0.119827	0.060662

Centrality selection



Hyperons multiplicity in centrality classes

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

Centrality	$\bar{\Lambda}^0[-3122]$	$\bar{\Sigma}^0[-3212]$
0 — 10%	0.061615	0.030972
10 — 40%	0.052823	0.026929
40 — 60%	0.002606	0.001245
60 — 80%	0.000775	0.000286