

only π^0 , only elastic collisions

SMASH analysis: SMASH-2.1ana-77-g15c8565

Elastic Box:
 $V = 1000.0 \text{ fm}^3$
 $\sigma = 1.0 \text{ fm}^2$
 $N = 200$
 $N_{\text{test}} = 1$
 $T = 0.200 \text{ GeV}$
 $t_{\text{tot}} = 55.0 \text{ fm/c}$
 $N_{\text{ev}} = 100$

covariant criterion

SMASH-2.2rc
 SMASH-2.1

geometric criterion

SMASH-2.2rc
 SMASH-2.1

stochastic criterion

$$\frac{N_{\text{coll}}^{\text{SMASH}}}{N_{\text{coll}}^{\text{theory}}} = \frac{1}{N N_{\text{test}}/2} \frac{N_{\text{coll}}}{N_{\text{ev}} t_{\text{tot}}} \frac{V}{\sigma N \langle v \rangle}$$

$N_{\text{coll}}^{\text{SMASH}} / N_{\text{coll}}^{\text{theory}}$

time step size dt , fm/c