

only  $\pi^0$ , only elastic collisions

SMASH analysis: SMASH-analysis-3.2

Elastic Box:  
 $V = 1000.0 \text{ fm}^3$   
 $\sigma = 1.0 \text{ fm}^2$   
 $N = 200$   
 $T = 0.200 \text{ GeV}$   
 $dt = 0.01 \text{ fm/c}$   
 $t_{\text{tot}} = 55.0 \text{ fm/c}$   
 $N_{\text{ev}} = 100$

**covariant criterion**

**geometric criterion**

**stochastic criterion**

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

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

Testparticle factor,  $N_{\text{test}}$

