Energy dependence of strangeness production

$\bar{s}$ carried by

$K^+, K^0, \bar{\Lambda}(\text{incl. } \bar{\Sigma}^0),$

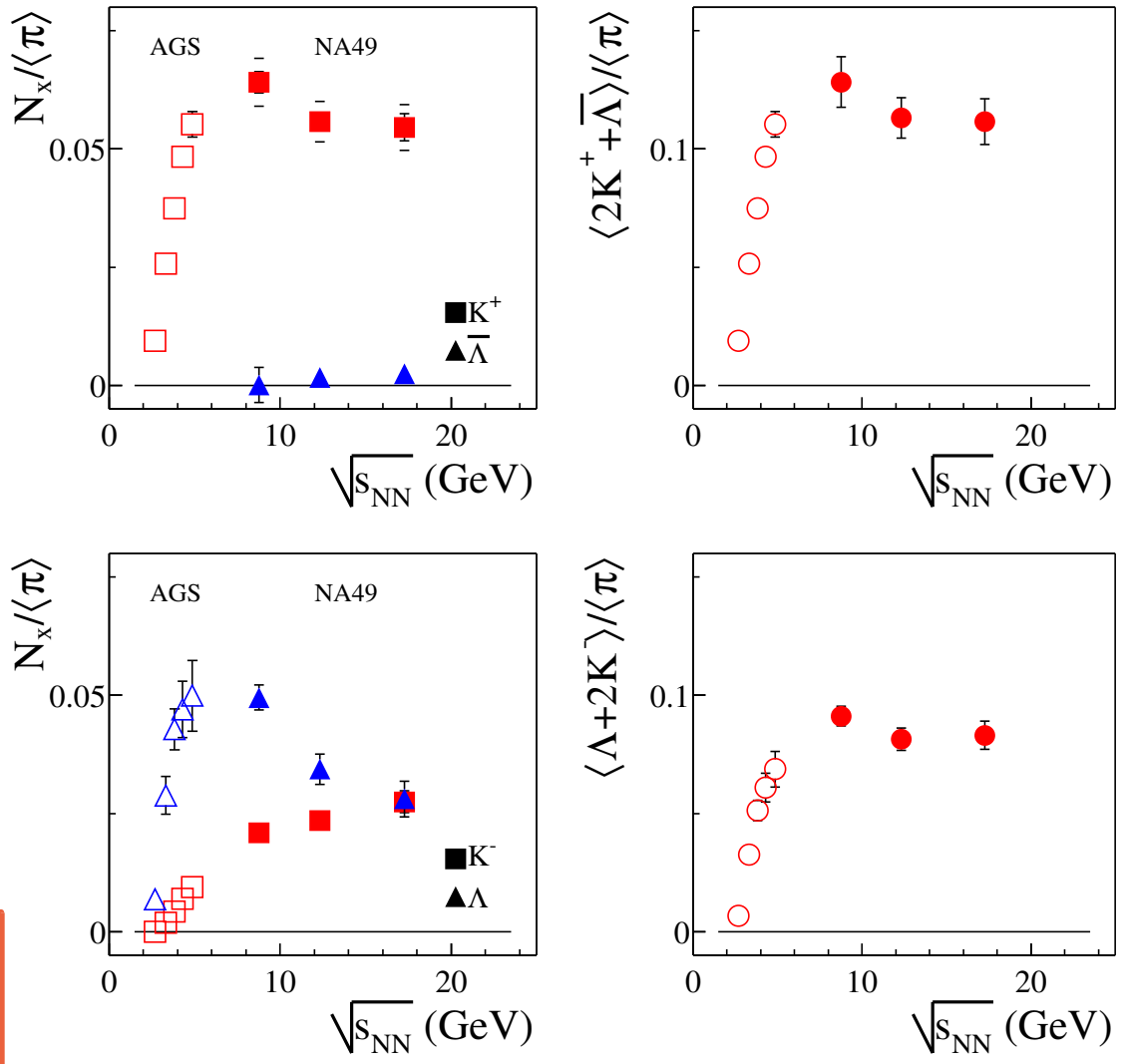
$\bar{\Sigma}^{\pm}, \bar{\Xi}^{0,+}, \bar{\Omega}^+$

$\langle K^0 \rangle \approx \langle K^+ \rangle, \langle \bar{K}^0 \rangle \approx \langle K^- \rangle$

by isospin symmetry

s carried by

$K^-, \bar{K}^0, \Lambda(\text{incl. } \Sigma^0),$

$\Sigma^{\pm}, \Xi^{0,-}, \Omega^-$

Both s and $\bar{s}$ show maximum around 40 *A*GeV