Isospin effects

$$\frac{dN^{AA}}{dy} = E \cdot \frac{N_W}{2} \cdot \frac{dN^{NN}}{dy} = E \cdot \frac{N_W}{2} \cdot \alpha \cdot \frac{dN^{pp}}{dy}$$

$$\frac{dN^{pA}}{dy} = \nu \cdot \alpha \cdot \frac{1}{2} \cdot \frac{dN^{pp}}{dy} + E \cdot \frac{1}{2} \cdot \frac{dN^{pp}}{dy}$$

Estimation:

$$\alpha(\Xi^-) = 1.3$$

$$\alpha(\bar{\Xi}^+) = 0.7$$