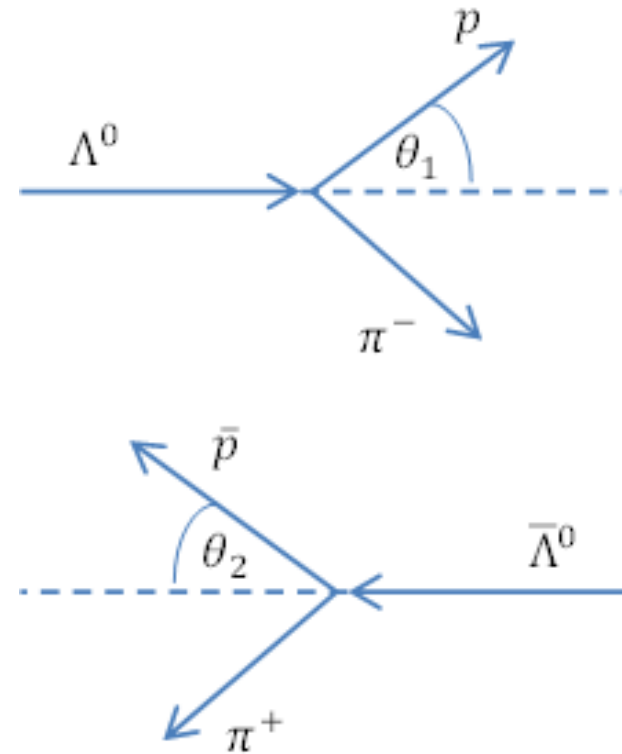
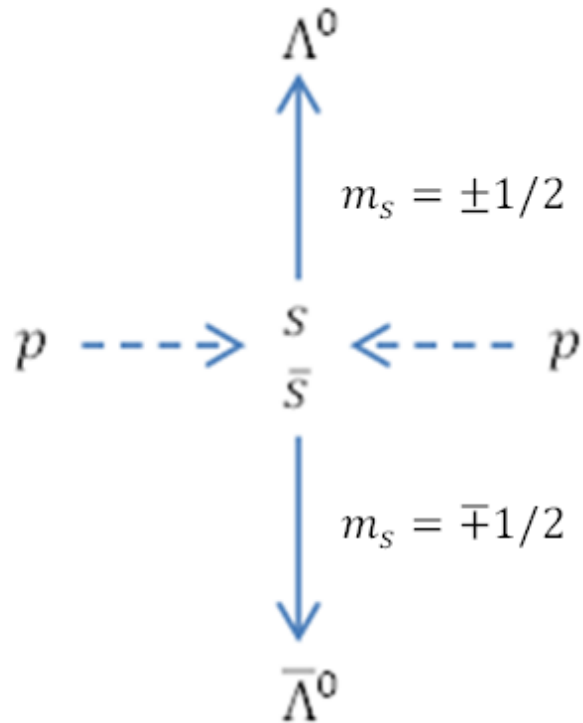


# Background Reduction in Quark-Antiquark Pair Production Analysis

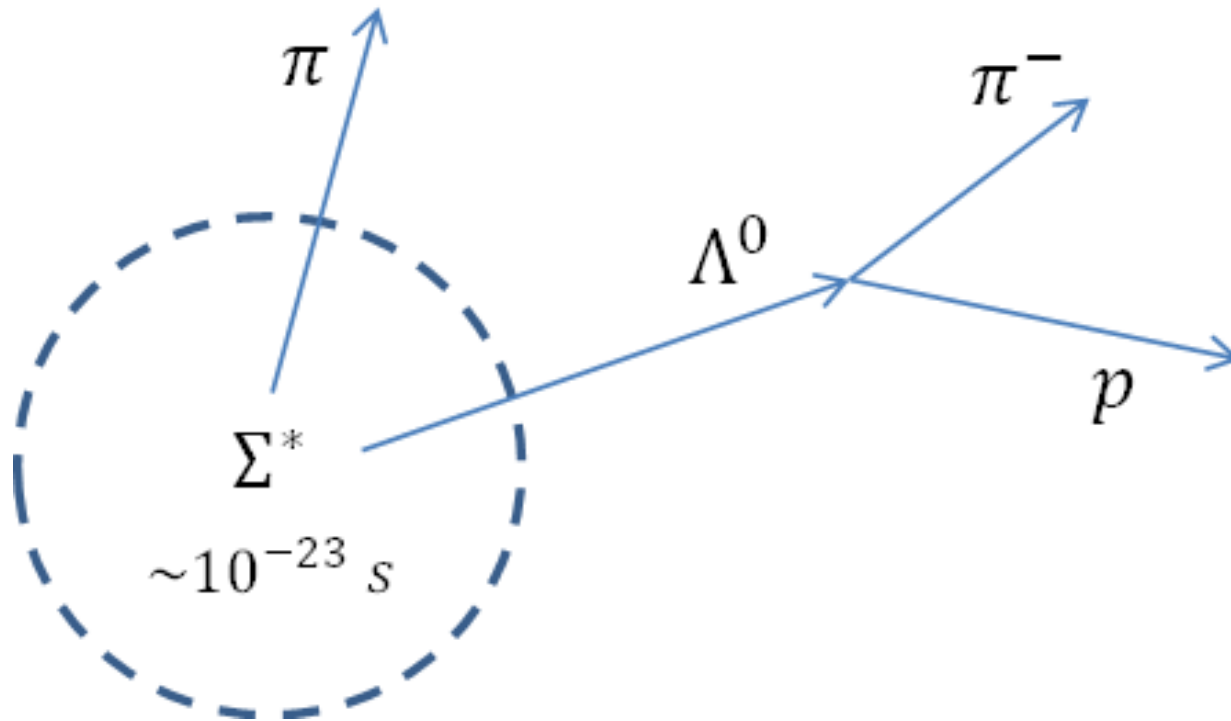
Josh McKenney

# Spin correlation



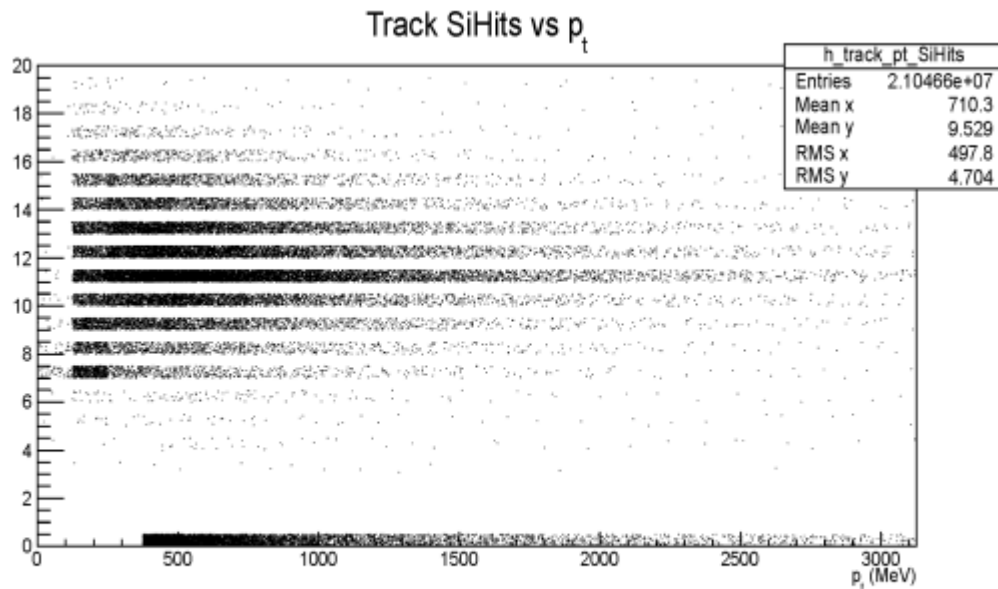
Common origin of  $\Lambda\bar{\Lambda}$  links angles of decay products

# Competing events



$s\bar{s}$  only gives a fraction of  $\Lambda\bar{\Lambda}$  production

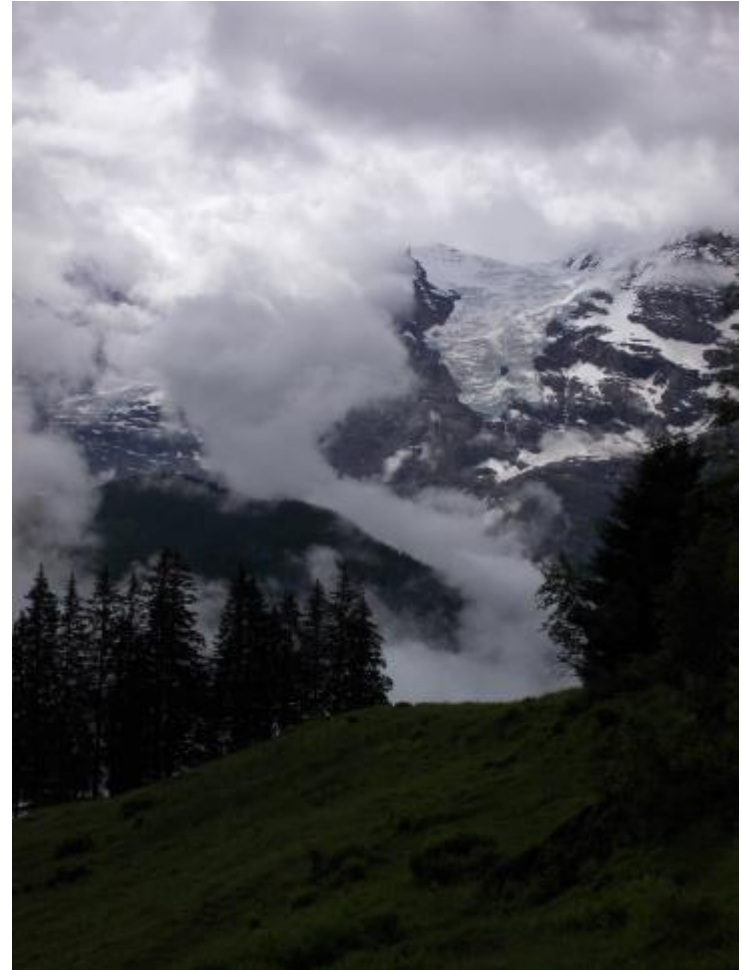
# Solution



Characterize other sources with Monte Carlo data

Eliminate background, select for  $s\bar{s}$

# Les montagnes



# Les chats des montagnes



“L’austère”