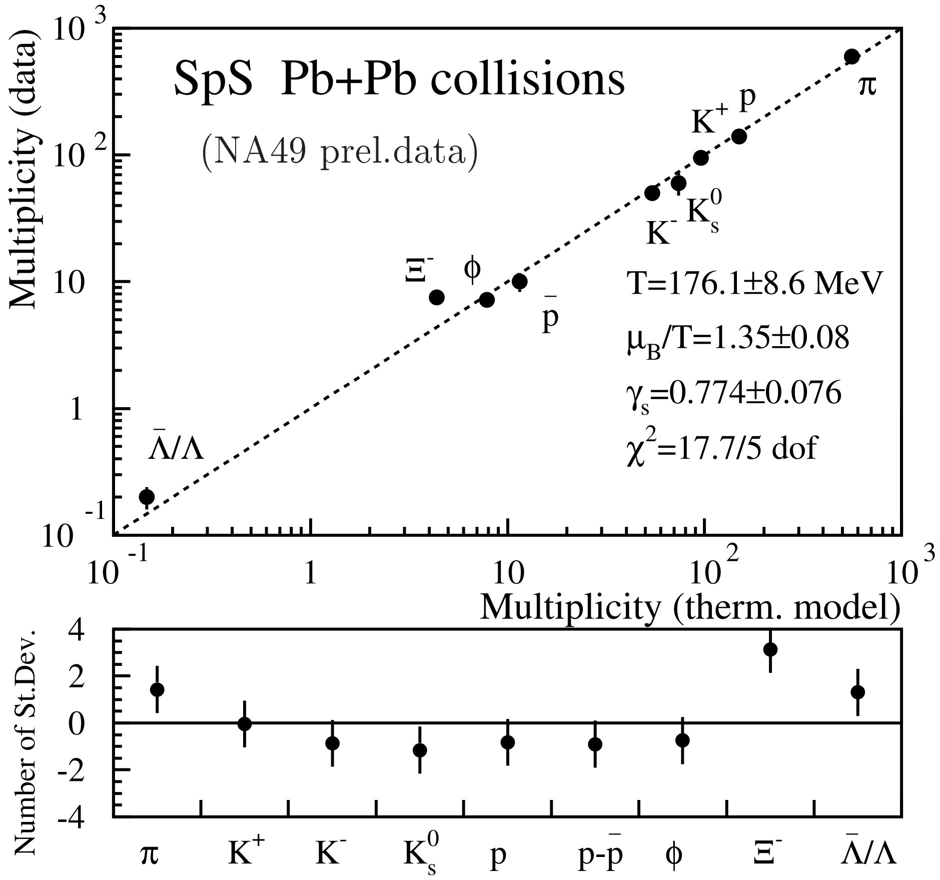
Statistical Analysis of 4π Particle Yields

populate hadron species according to phase space probabilities (Fermi, Hagedorn)

parameters: T, μ_B, V
results of analysis by Becattini et al.:

- universal temperature T $\sim$ 180 MeV in e^+e^-,pp,AA
- strangeness suppression parameter $\gamma_s < 1$ required
- π multiplicity proportional N_W (volume) in AA



hadrons are born into "preestablished equilibrium" (Hagedorn)

chemical freezeout temperature about 180 MeV

how much evolution during hadronic fireball stage ?