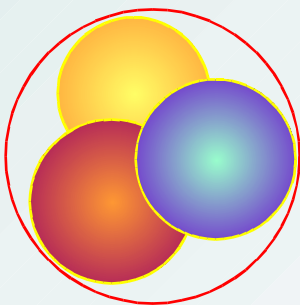
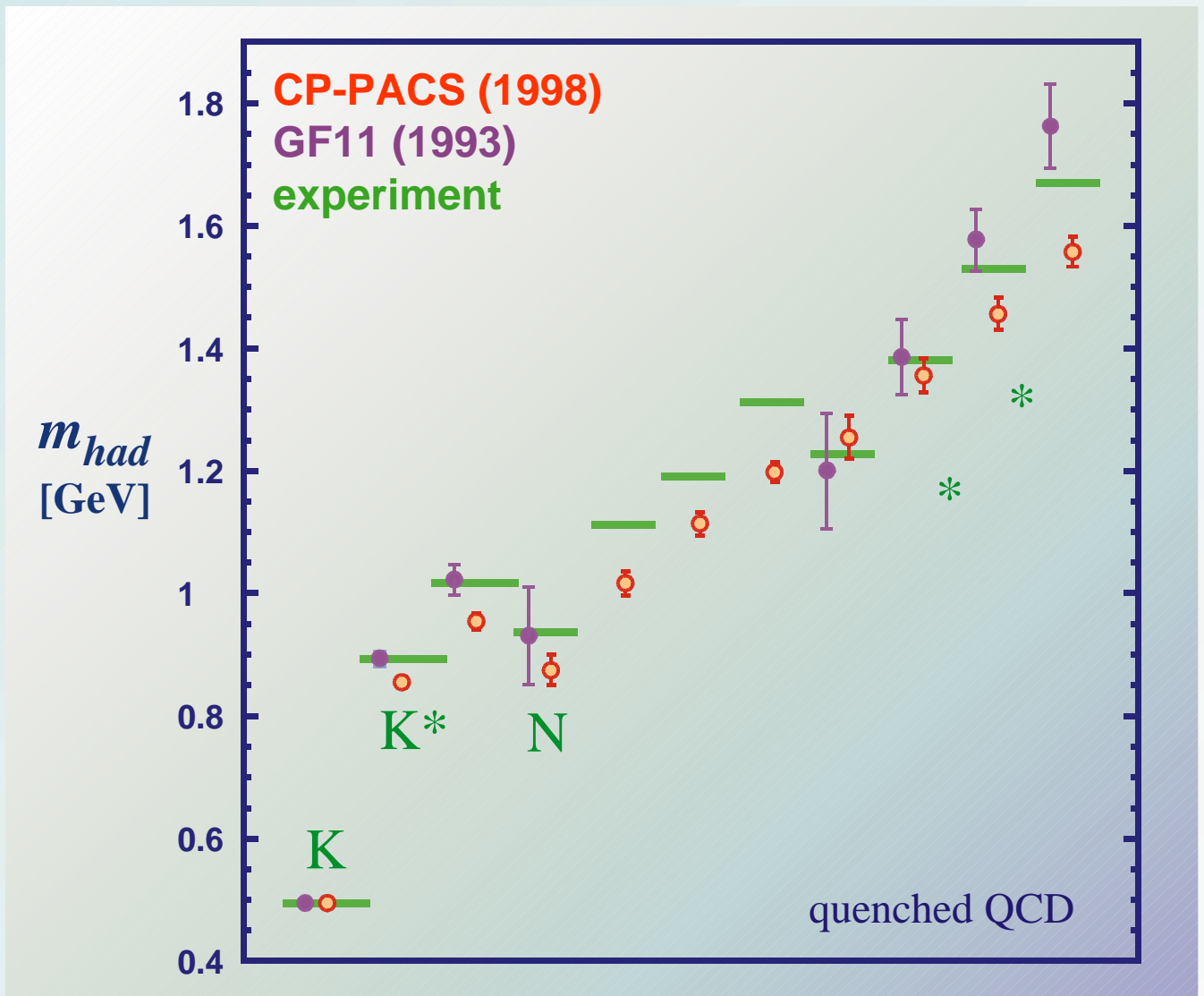


# Hadron Mass Spectrum from Quarks and Gluons



**N = (u,d,d)**  
**= (u,d,s)**  
**K = (d,s̄)**

Hadrons are the constituents of atomic nuclei. The computation of their mass spectrum from the dynamics of more fundamental quarks and gluons has been a principal subject of interest in particle physics.

In this figure, the results from the CP-PACS and from a previous computation are compared with experiment. Experimental results are reproduced to within about 5–10%. With the precise data from the CP-PACS, we further clarify a limitation of the widely adopted "quenched" approximation, answering a long-standing question since 1981.