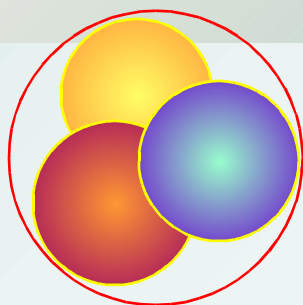
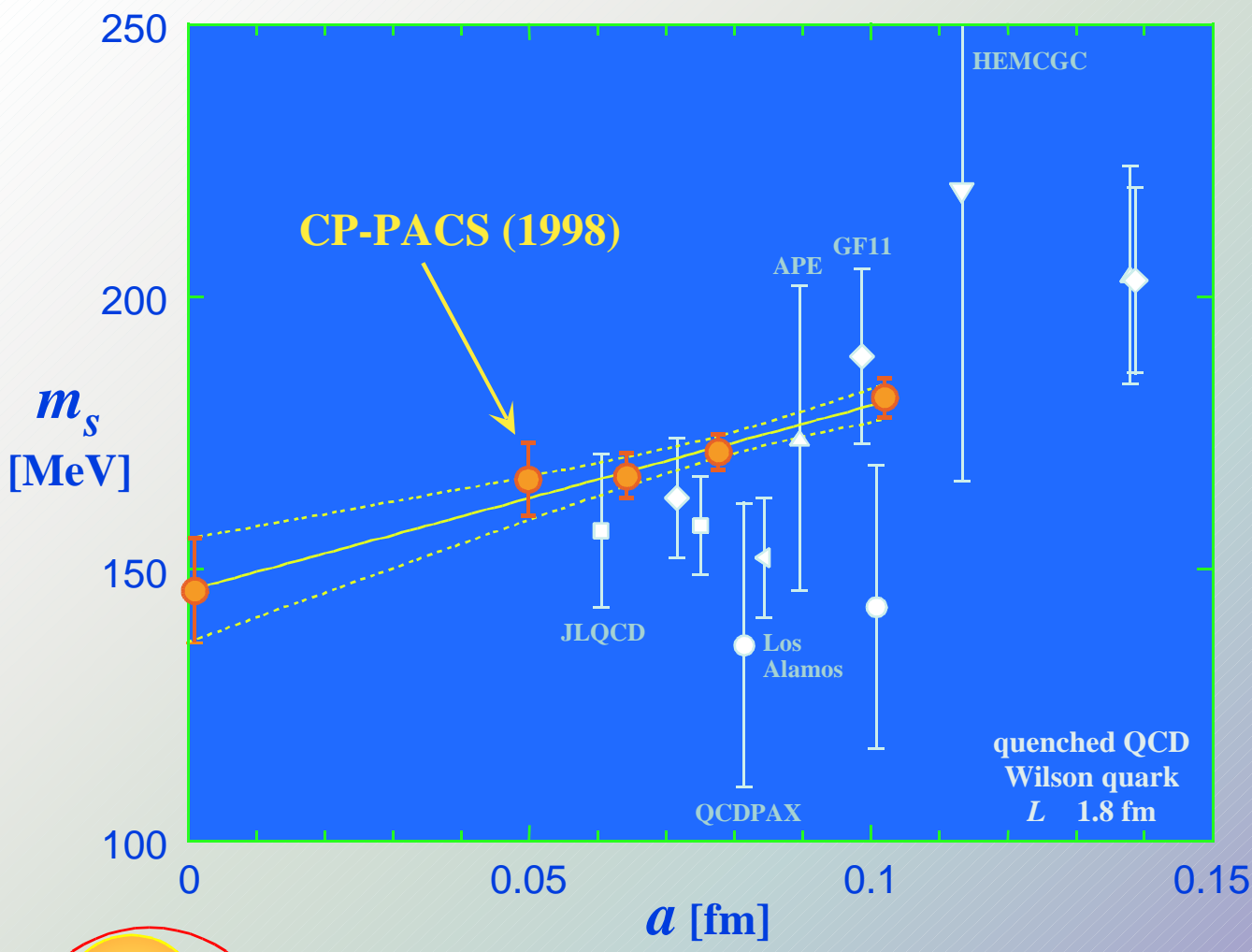


Determination of Fundamental Parameters in Quantum Chromodynamics



Quantum Chromodynamics (QCD) is the fundamental theory of quarks and gluons. It is important to determine the basic parameters such as the quark masses and the QCD coupling constant.

In this figure, we show recent results for the s -quark mass obtained by various groups. The final value is obtained by extrapolating the data to the limit of zero lattice spacing a . CP-PACS drastically increased the quality of predictions from QCD. We found that $m_s = 143 \pm 6$ MeV for the s -quark mass and $m_{ud} = 4.6 \pm 0.2$ MeV for the average of u and d -quark masses.