
Quark Masses

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Discuss all quark masses other than t .

In plots:

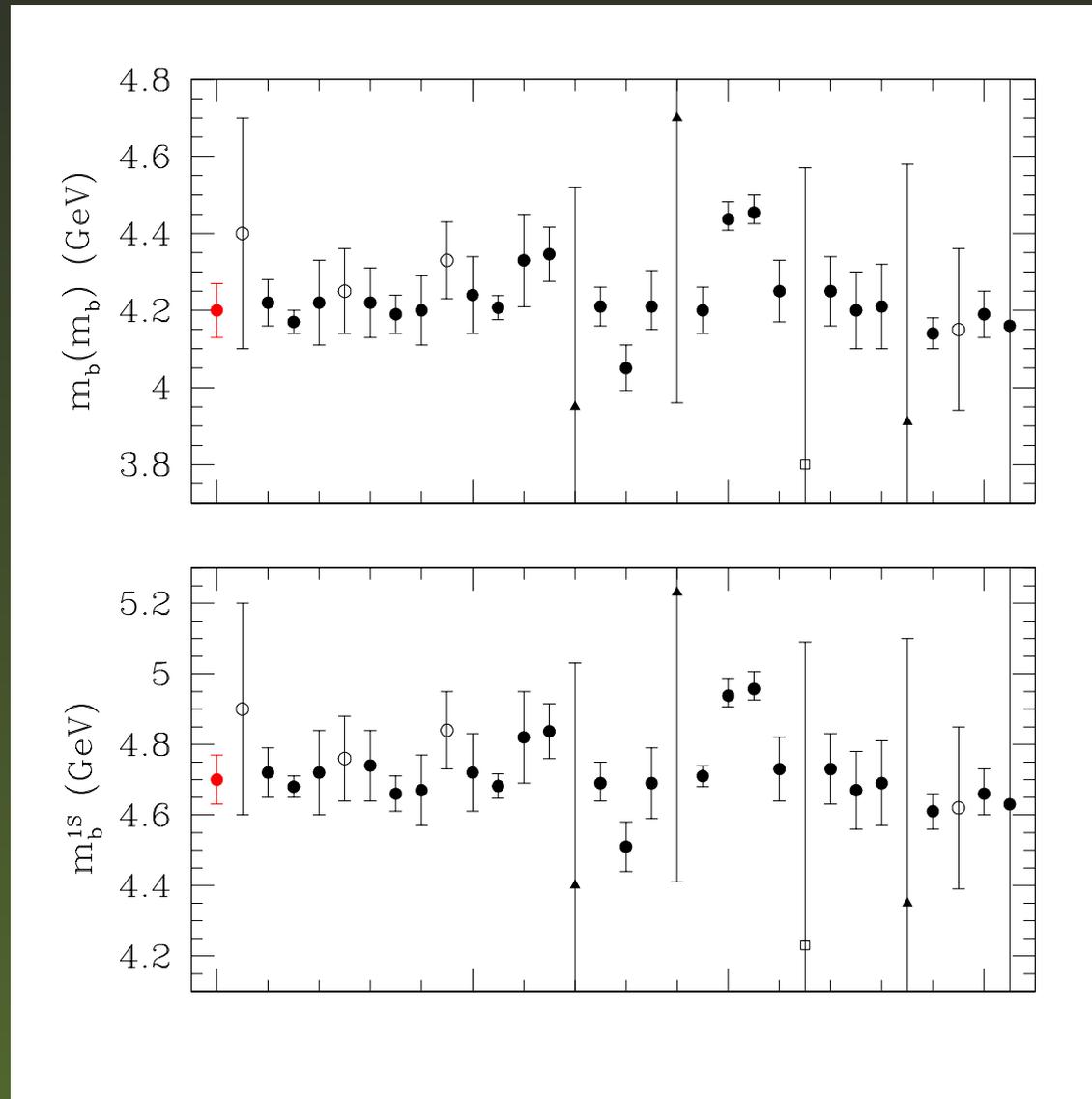
solid circles = THEO

open = LATT

triangle = EXPT

red = value in summary table (our evaluation)

b: Points in Listings



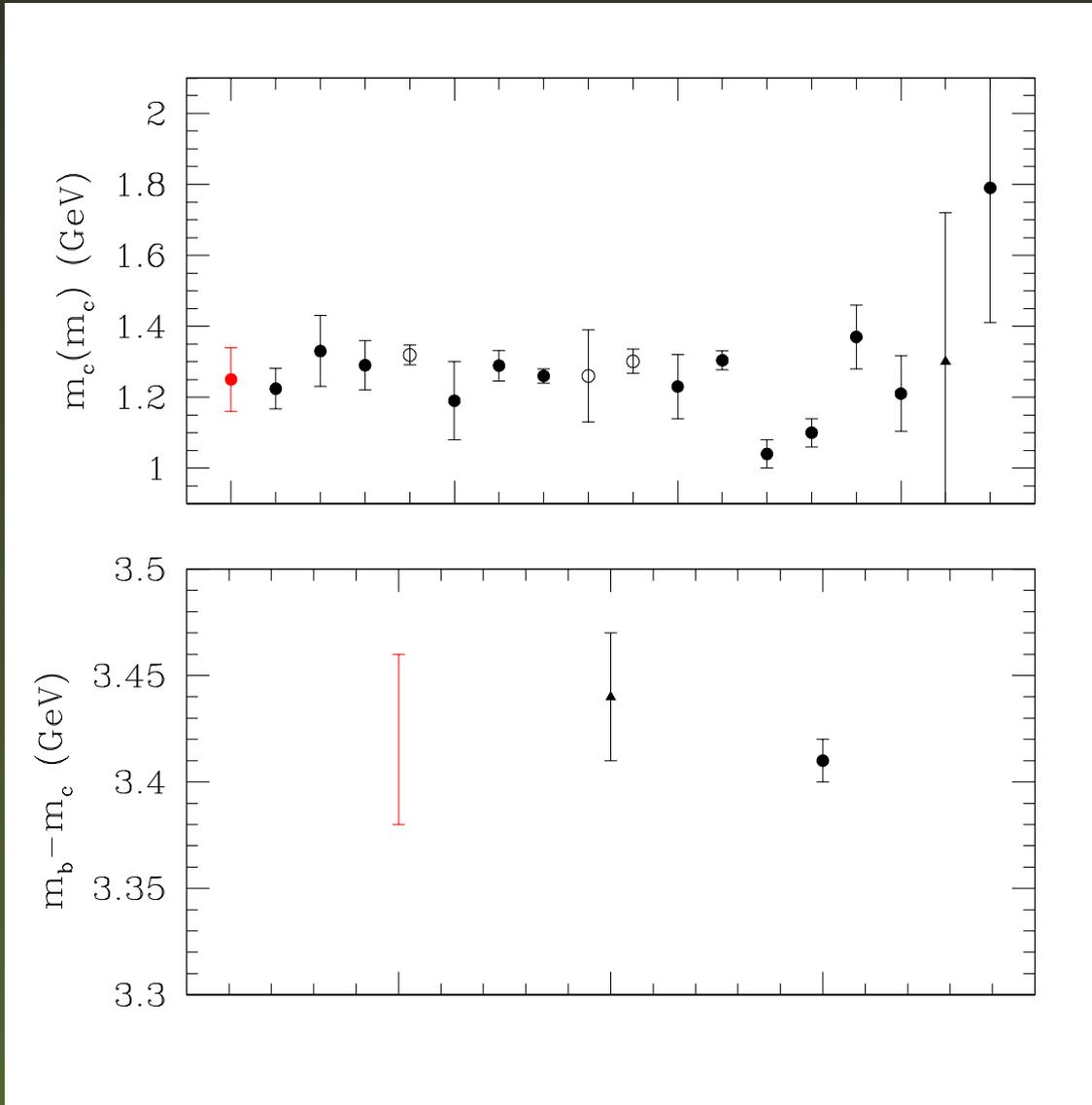
b

Oldest points go back to 1997

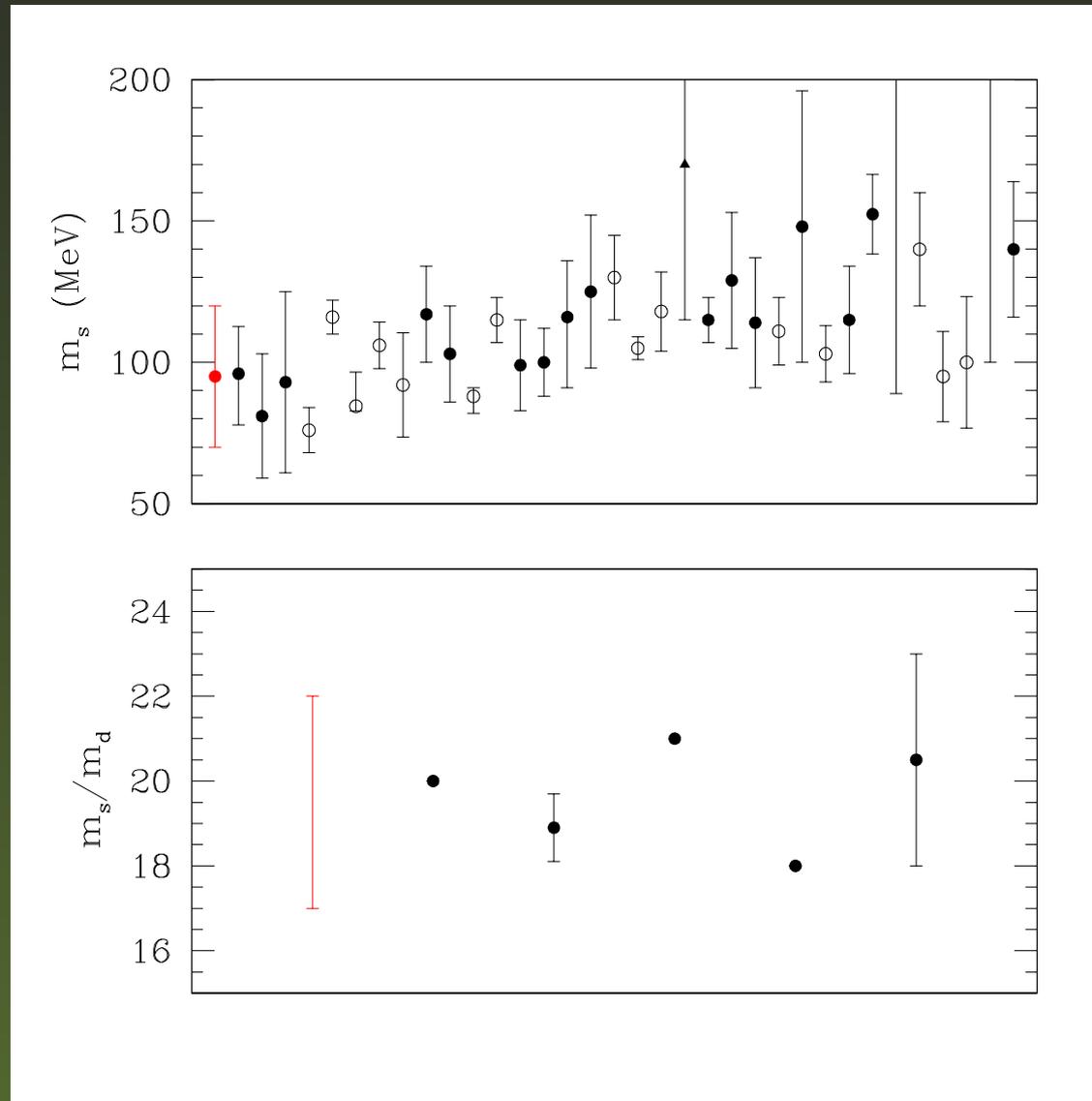
Overall, good consistency.

2 points with small error bars that are off. Authors have later papers with different values. Contacted authors — say newer values supersede these

c: Points in Listings



s : Points in Listings



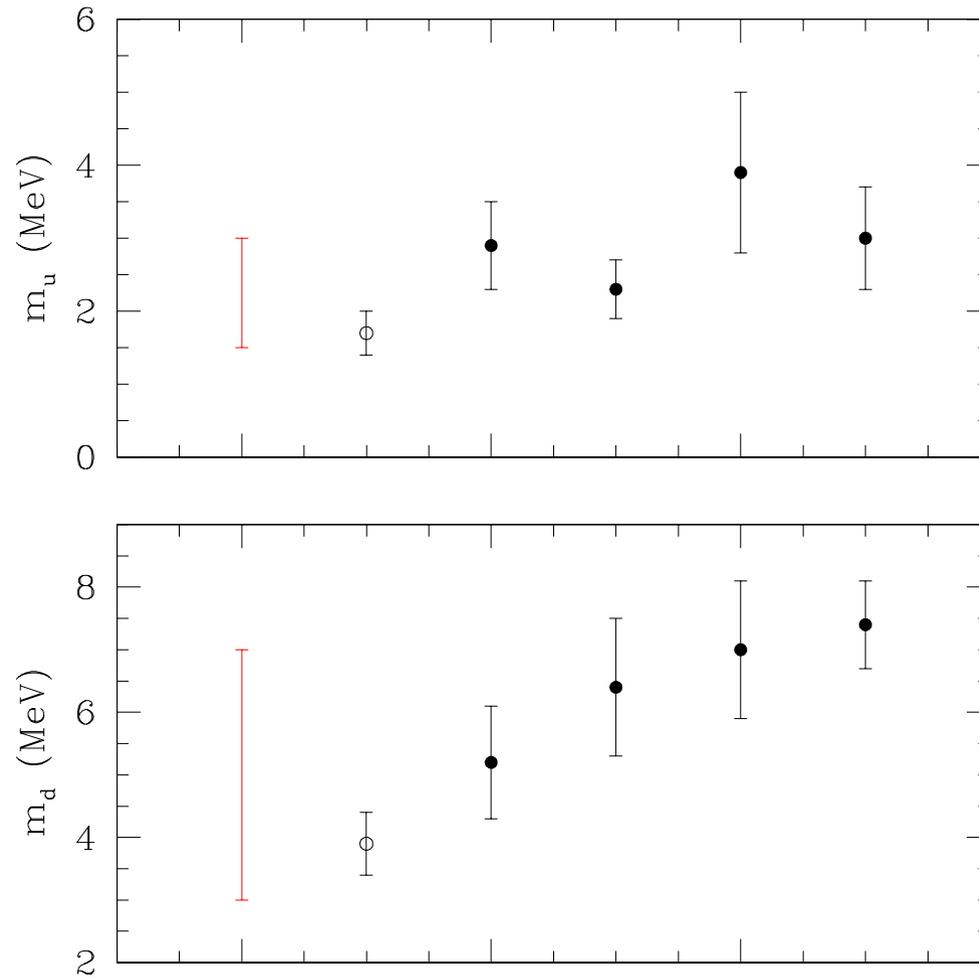
Newer lattice results with dynamical fermions are systematically smaller than older quenched results.

Once we have ≥ 5 unquenched results, propose to drop all previous quenched lattice results.

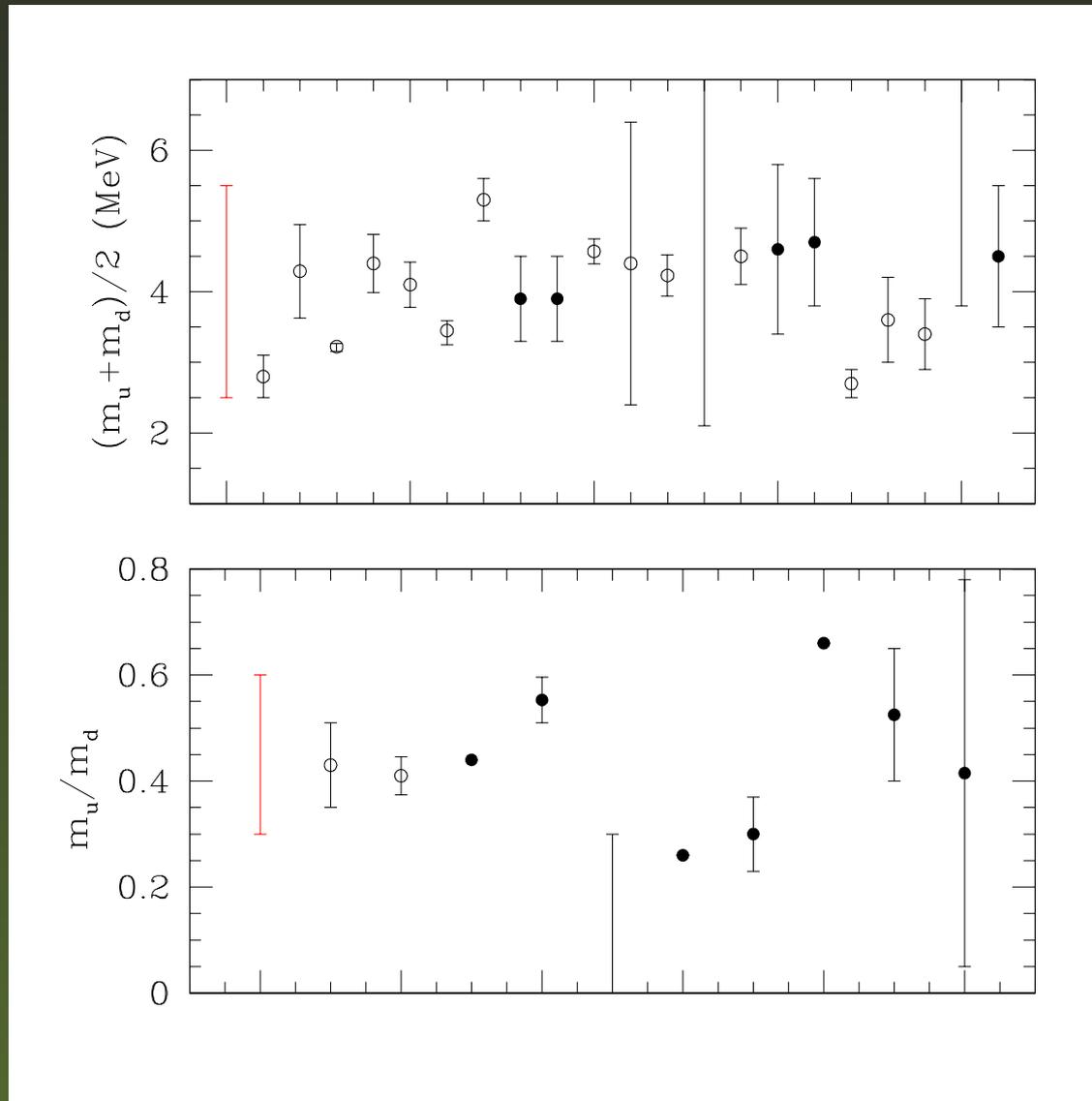
THEO: Multiple papers by the same authors, at the rate of ~ 1 paper/yr. Should we just keep the latest one?

There is a trend to lower m_s with time. Value and error depend on whether we keep old values.

u, d : Points in Listings



u, d : Points in Listings



u, d

Implement the values for $u, d, \bar{m} = (u + d)/2, u/d, s/d$.