

# Quarks

**u, d, s, c, b**  
(not t or b')

**18 papers**  
**42 measurements**

Figure 2: The allowed region (shown in white) for up quark and down quark masses. This region was determined in part from papers reporting values for  $m_u$  and  $m_d$  (data points shown) and in part from analysis of the allowed ranges of other mass parameters (see Fig. 3). The parameter  $(m_u + m_d)/2$  yields the two downward-sloping lines, while  $m_u/m_d$  yields the two rising lines originating at  $(0,0)$ .

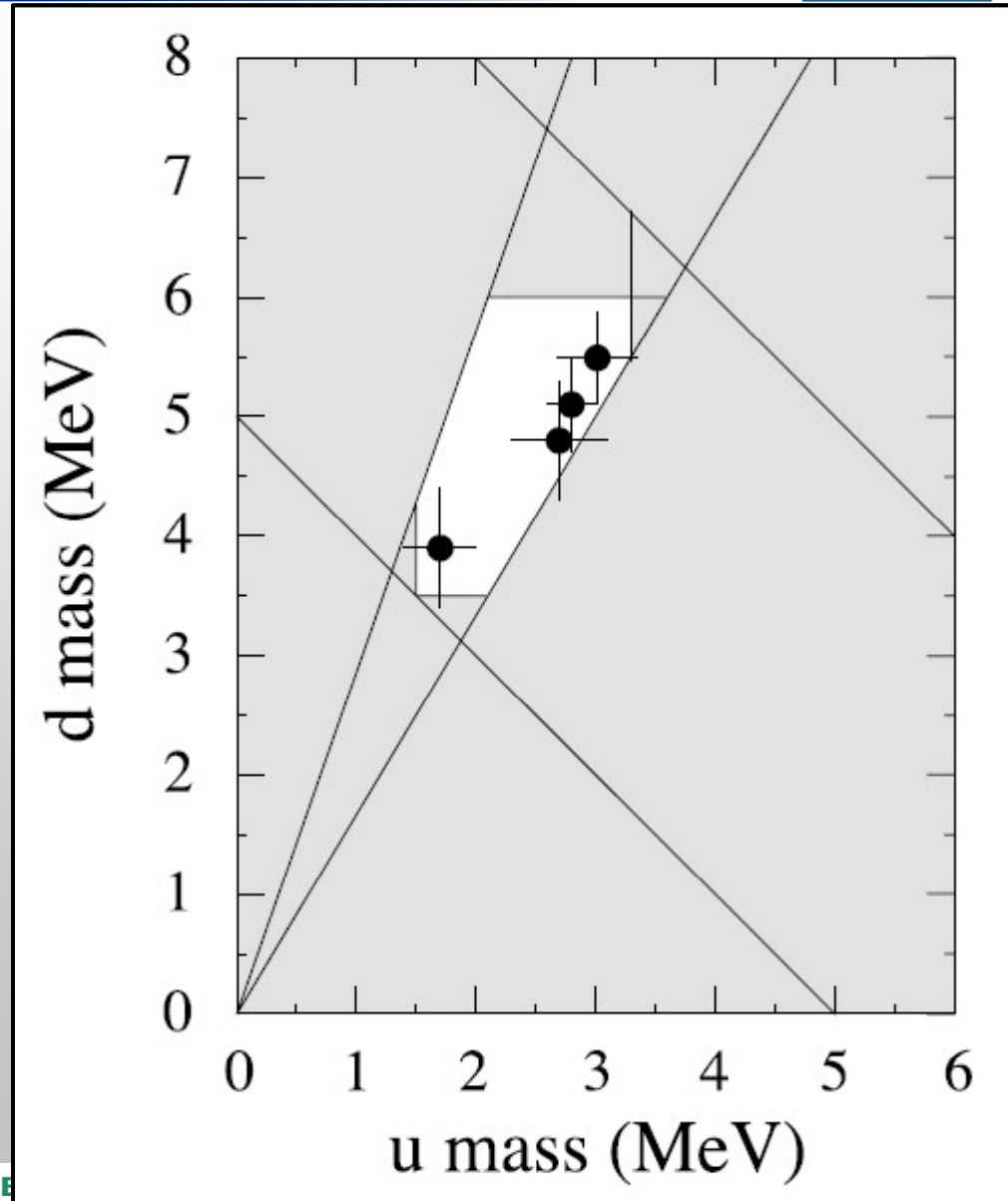


Figure 3. The values of each quark mass parameter taken from the Data Listings. Points from papers reporting no error bars are shown as open circles. Arrows indicate limits reported. The grey regions indicate values excluded by our evaluations; some regions were determined in part though examination of Fig. 2.

