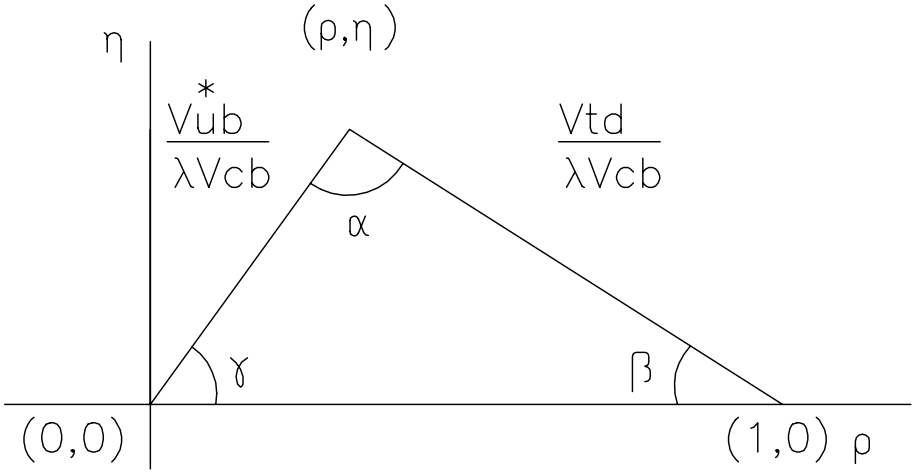
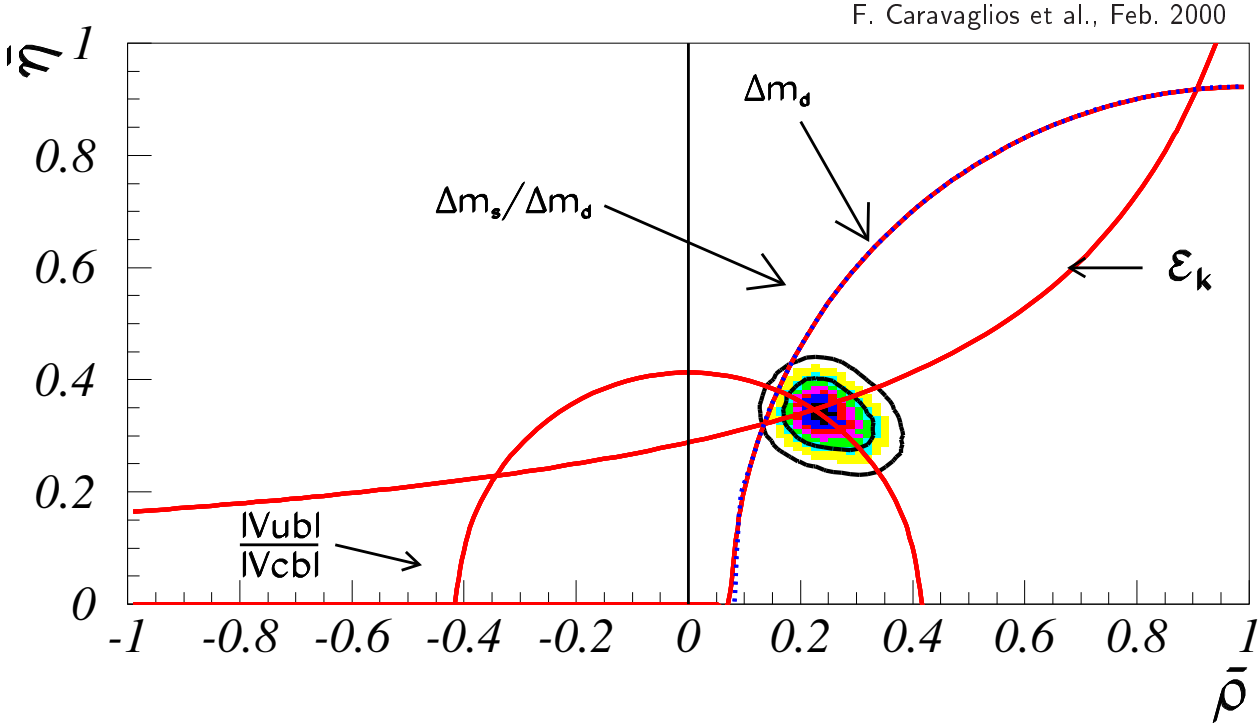
Bestimmung des Unitaritätsdreiecks



F. Caravaglios et al., Feb. 2000



$\Longrightarrow$ Randbedingungen für die Winkel:

$$\sin 2\beta = \quad 0.75 \pm 0.06$$
$$\sin 2\alpha = -0.38 \pm 0.26$$
$$\gamma = \quad (56 \pm 7)^\circ$$

$\Rightarrow$ **CP-Verletzung**

(Ann: Unitarität,

d.h. $\alpha + \beta + \gamma = 180^\circ$)

$\Longrightarrow$ $15 < \Delta m_s < 20 \text{ps}^{-1}$ $(95\%\ CL)$