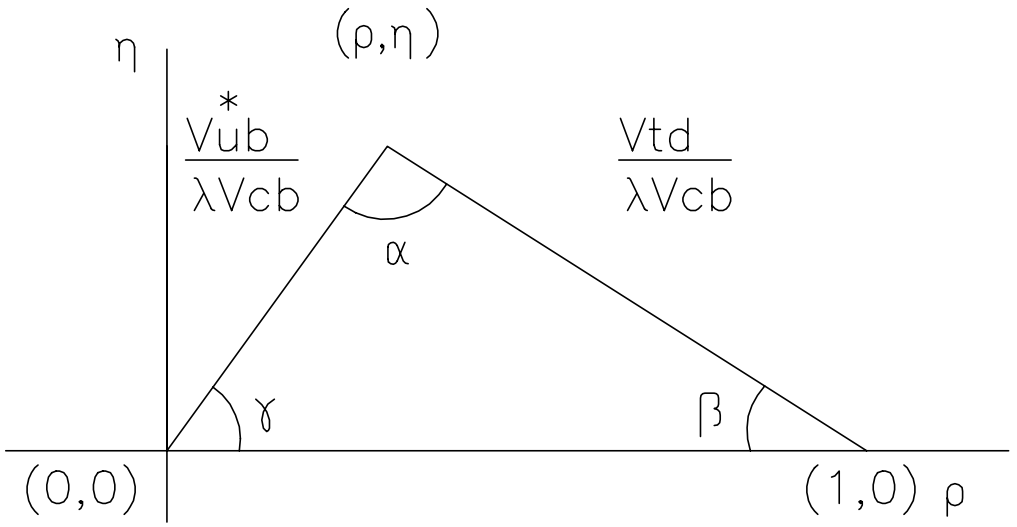
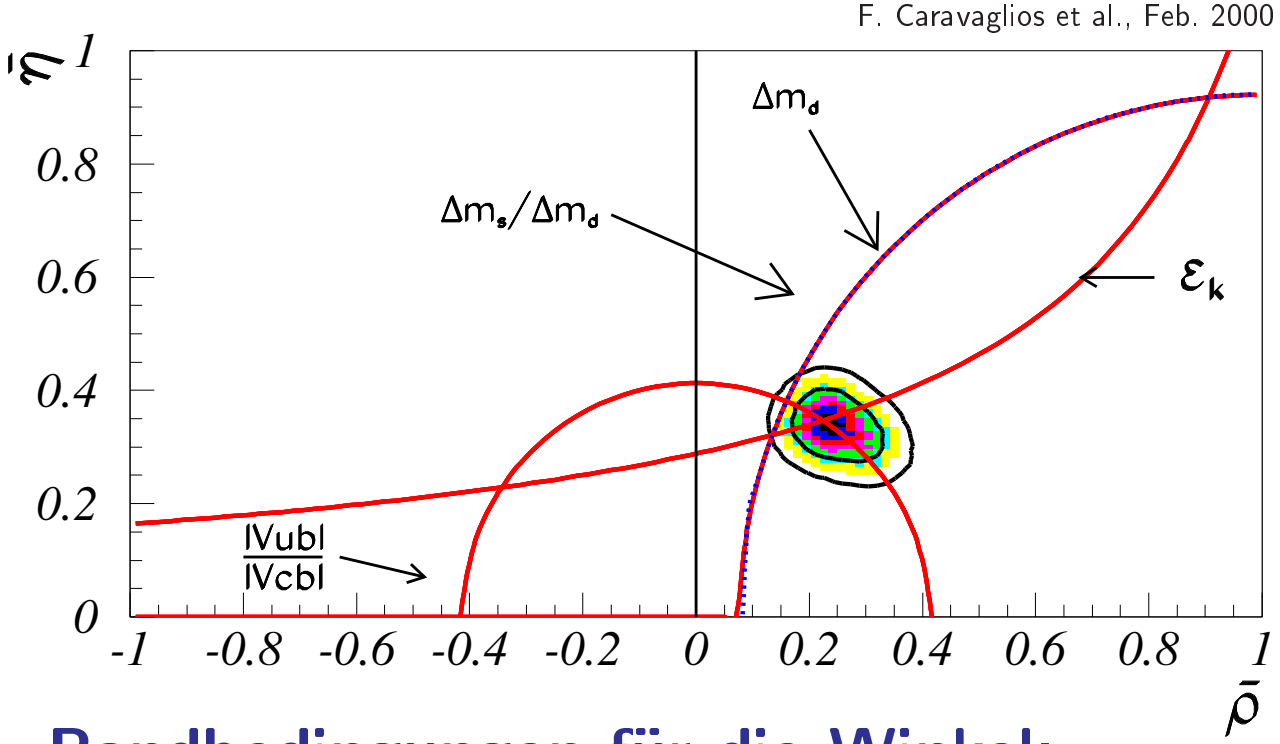
Bestimmung des Unitaritätsdreiecks



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

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