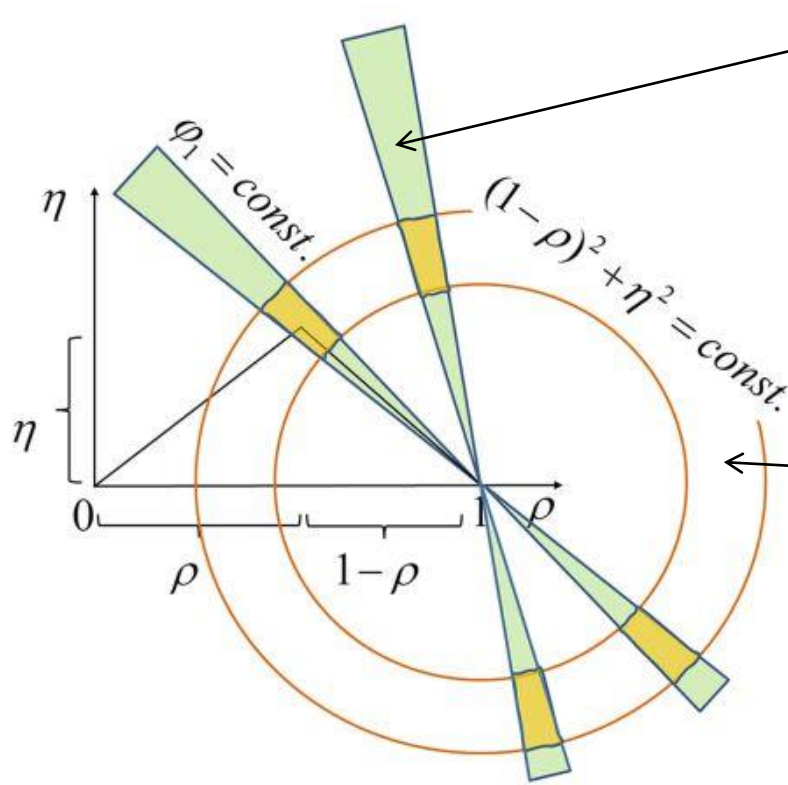


UT experim. tests

$$S = \sin(2\varphi_1) \rightarrow S_0 \pm \sigma_S$$



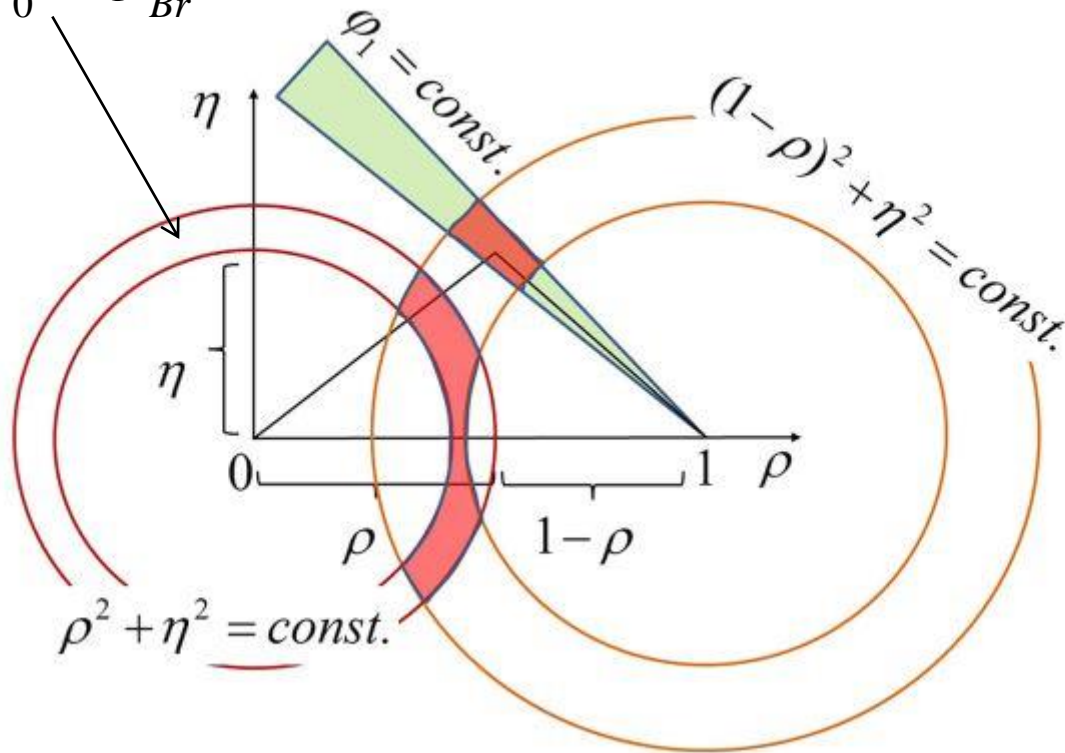
$$\Delta m_{B_d} = (1 - \rho^2) + \eta^2$$

$$\rightarrow \Delta m_{B_d 0} \pm \sigma_{\Delta m}$$

UT experim. tests

$$Br(B_d^0 \rightarrow \pi \ell \nu) \propto |V_{ub}|^2 = \rho^2 + \eta^2$$

$$\rightarrow Br_0 \pm \sigma_{Br}$$

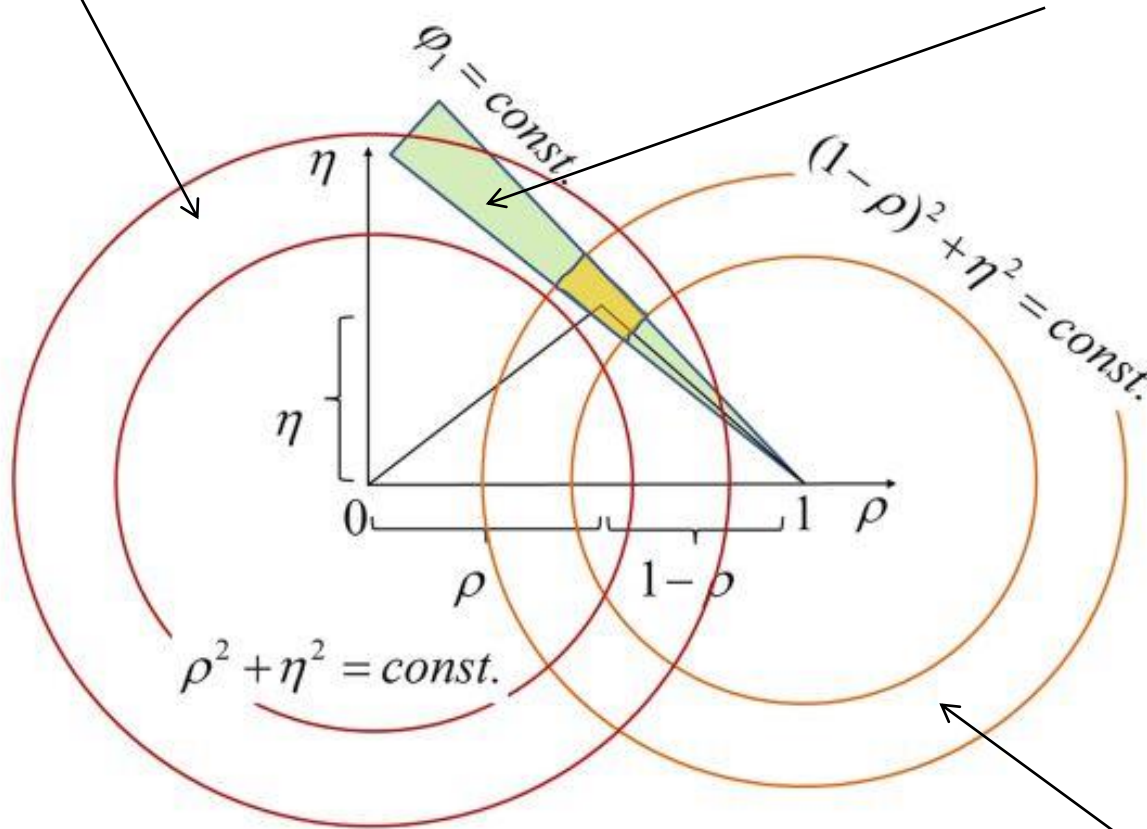


UT experim. tests

$$Br(B_d^0 \rightarrow \pi \ell \nu) \propto |V_{ub}|^2 = \rho^2 + \eta^2$$

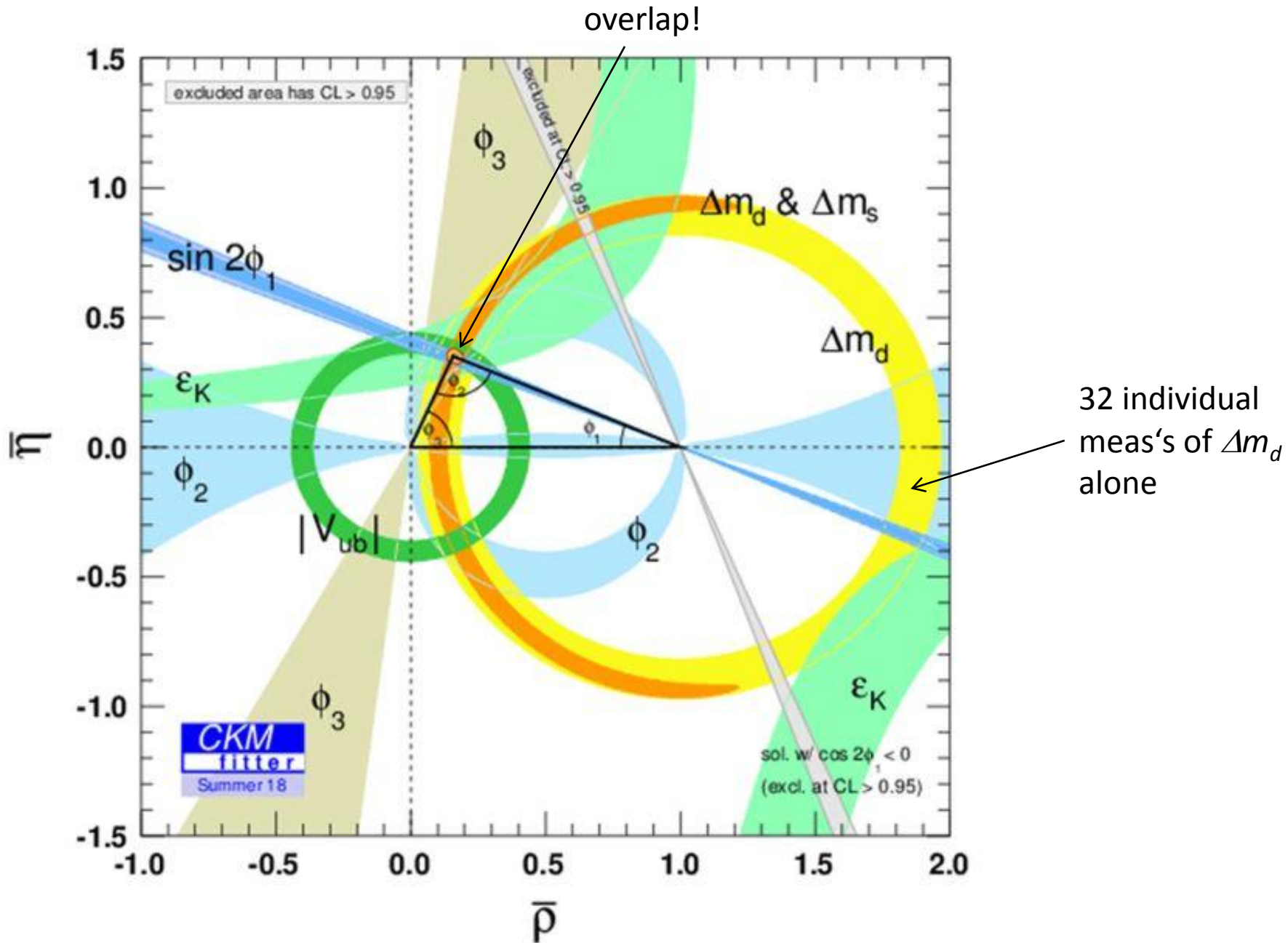
$$\rightarrow Br_0 \pm \sigma_{Br}$$

$$S = \sin(2\varphi_1) \rightarrow S_0 \pm \sigma_S$$



$$\Delta m_{B_d} = (1 - \rho^2) + \eta^2$$

$$\rightarrow \Delta m_{B_d 0} \pm \sigma_{\Delta m}$$





Nobel prize in
Physics 2008
(with Y. Nambu)