



Fit clearly show that we obtain $\cos 2\phi$ dependence.

Experimental value of γ

$$\text{Theory: } I(\phi) = \frac{I_0 T_p}{2} (1 + \cos \gamma \cos 2\phi)$$

$$\gamma = 72^\circ$$

$$\text{Experiment: } I(\phi) = (153.1 \pm 0.4)(1 + (0.415 \pm 0.005)\cos 2\phi)$$

$$\cos \gamma = 0.415 \pm 0.005$$

$$\gamma = 65.4^\circ \pm 0.3^\circ$$