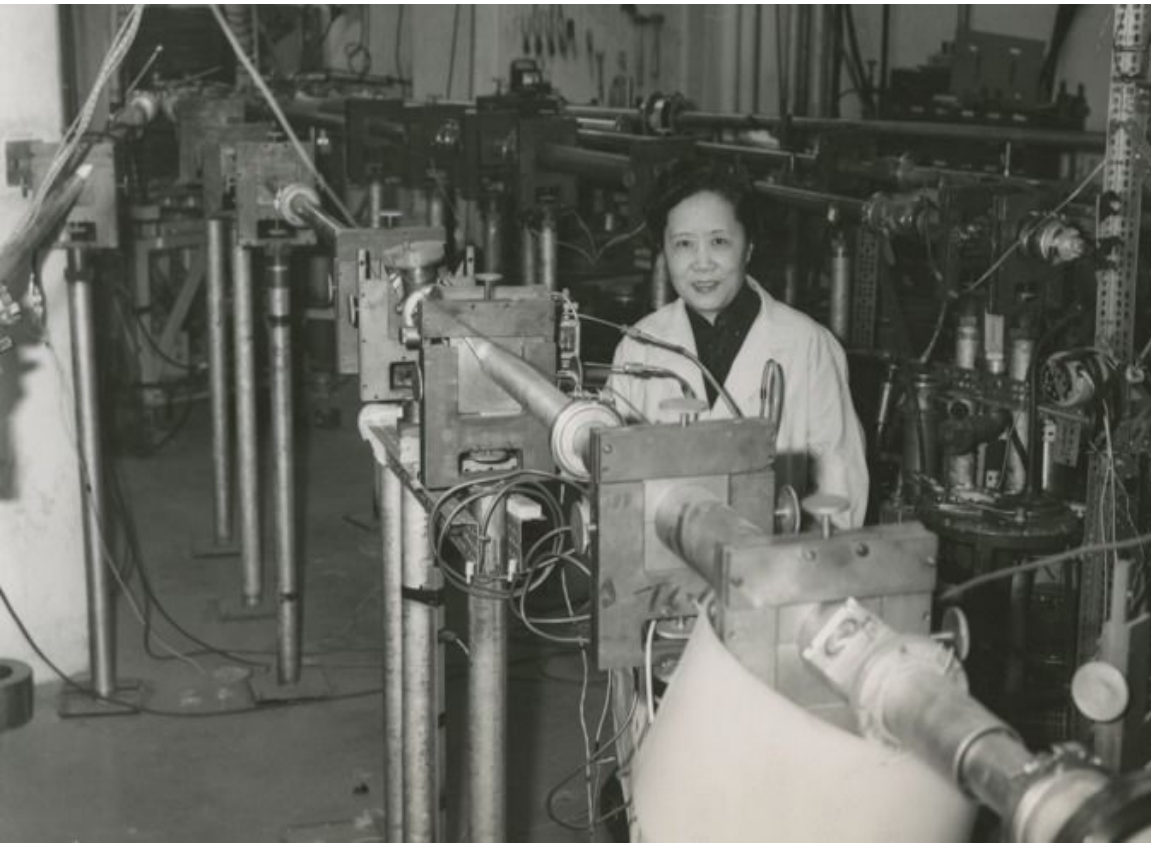
Wu-Experiment zur Entdeckung der Paritätsverletzung im Beta-Zerfall



Chien-Shiung Wu

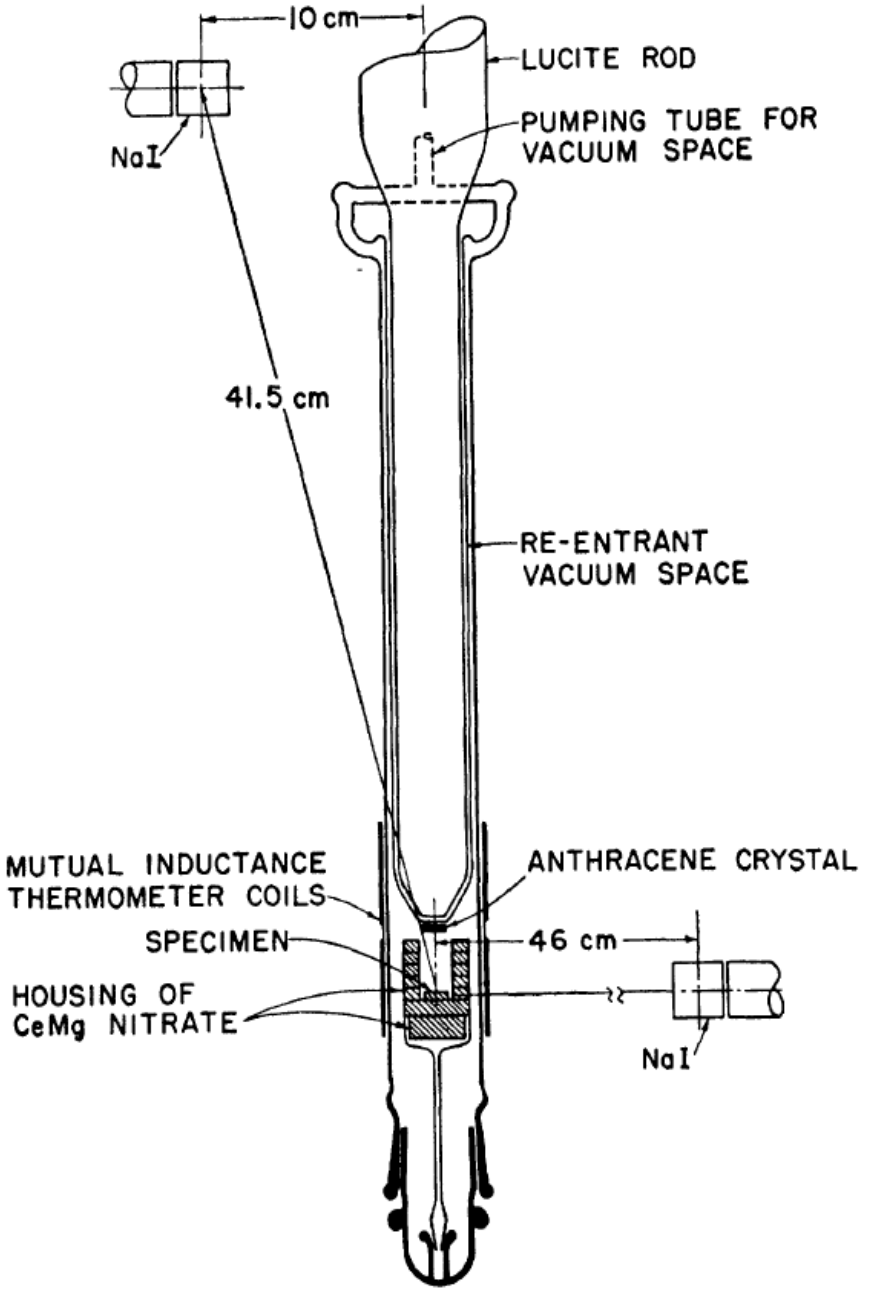
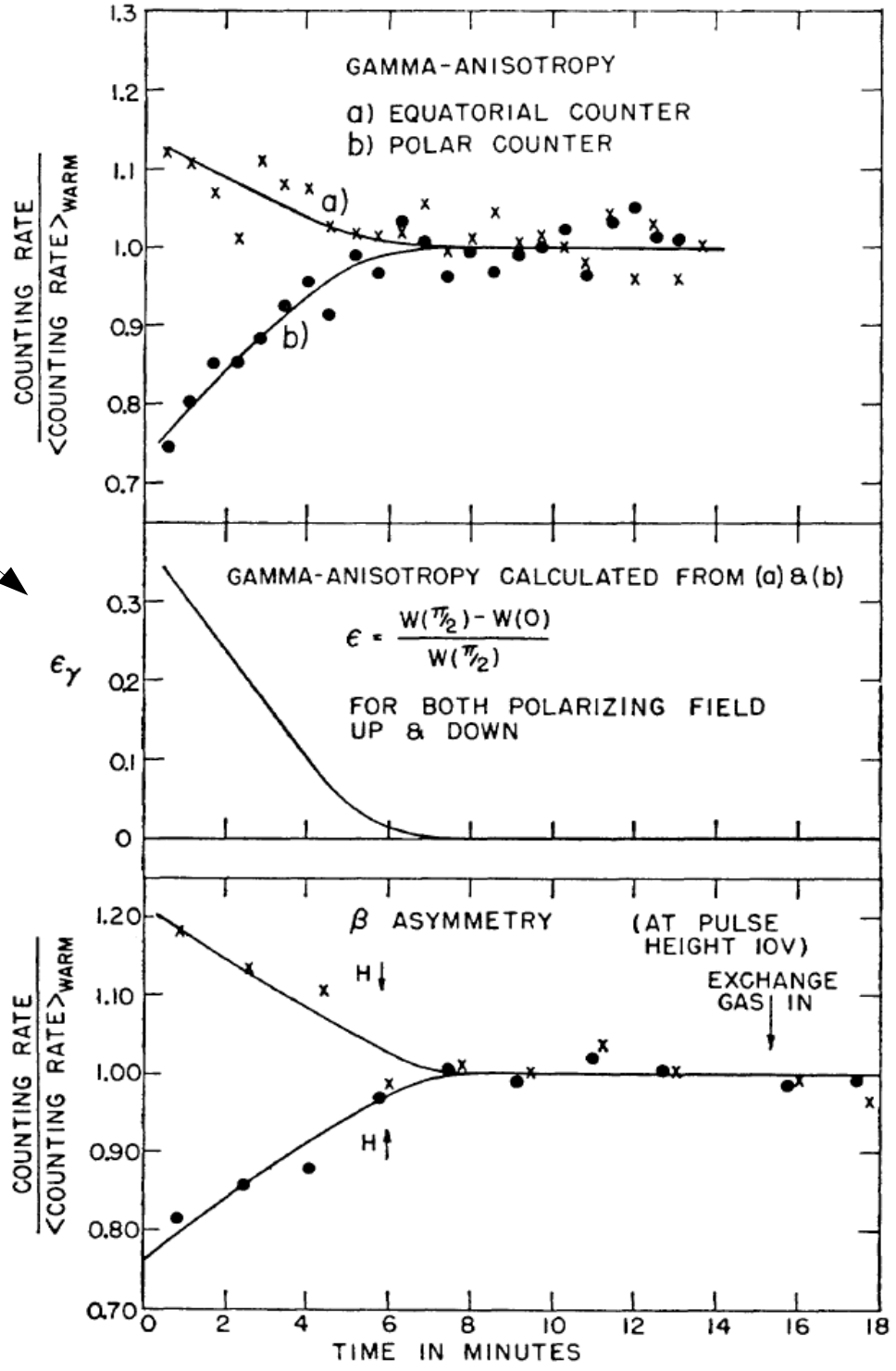


Fig. 9-1

Polarisation des ^{60}Co

Anisotropie der Betastrahlung

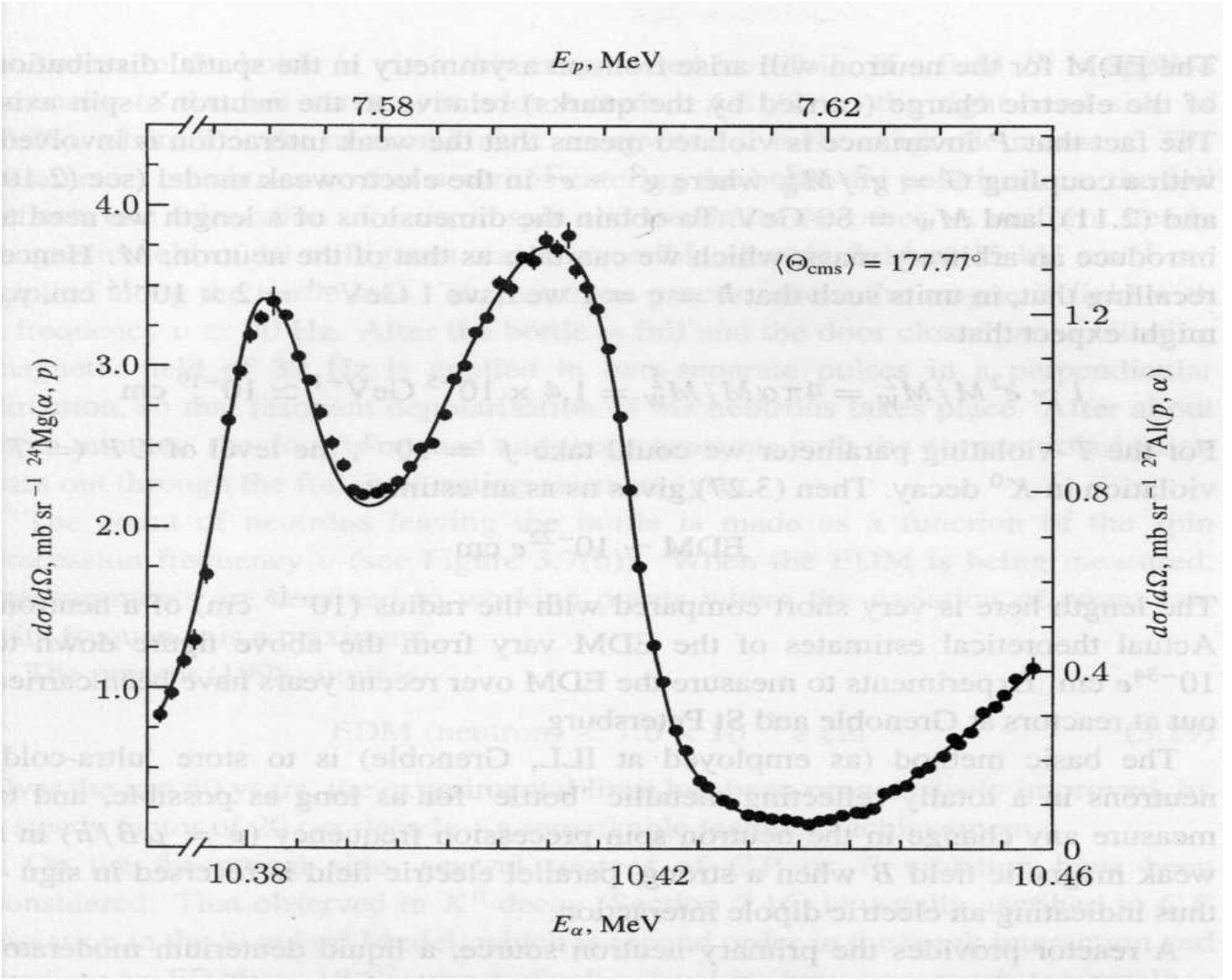


Wu et al. Phys. Rev. 105 (1957) 1413

Fig. 9-2

Test für Zeitumkehrinvarianz in der starken Wechselwirkung:

Wirkungsquerschnitt für reversible Reaktion $p + {}^{27}Al \leftrightarrow \alpha + {}^{24}Mg$



Blanke et al, 1983

Fig. 9-3

Amplitude für Verletzung von T-Invarianz < 5 10^{-4}