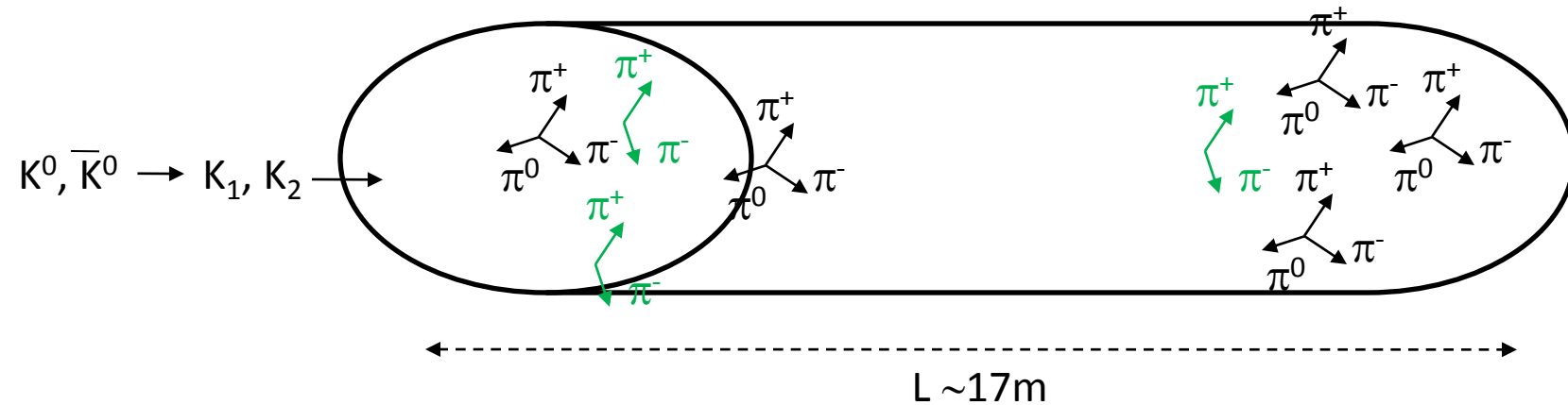


Violation of CP Symmetry



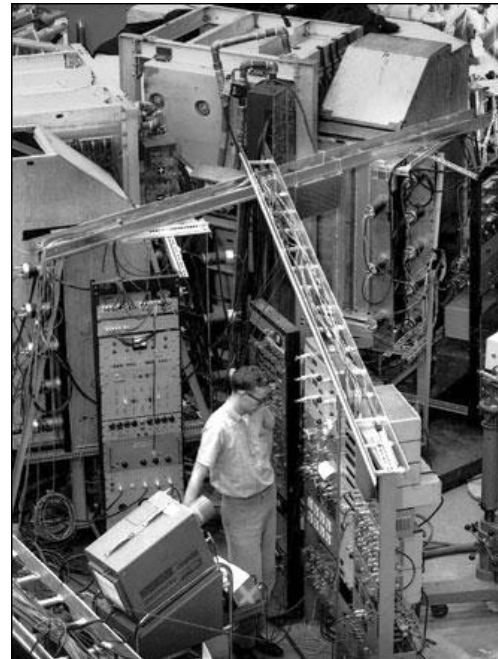
$$N(x) \propto e^{-x/\gamma c \tau}$$

$$17\text{m} / \gamma c \tau(K_1) \sim 300$$

after 17 m one expects

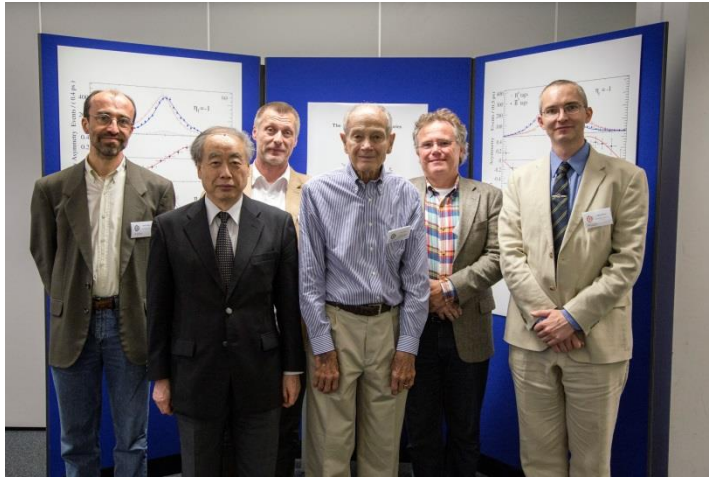
$$N(K_1 \rightarrow \pi^+ \pi^-) / N(K_2 \rightarrow \pi^+ \pi^- \pi^0) \sim e^{-300}$$

Actually 45 $K_1 \rightarrow \pi^+ \pi^-$
 decays among 23000 $K_2 \rightarrow \pi^+ \pi^- \pi^0$
 decays



Cronin & Fitch
 experim. in BNL
 1964

Nobel prize
 1980



Editors, M. Kobayashi, J. Cronin

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