

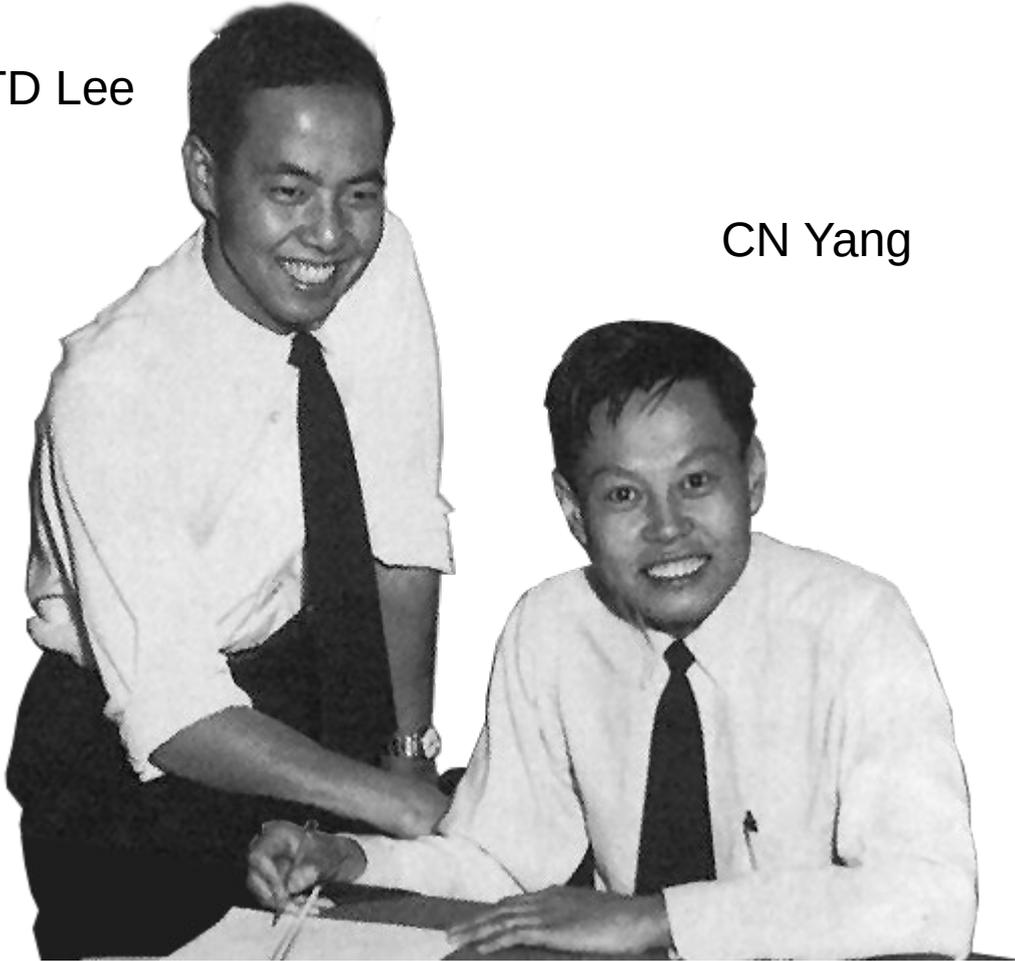
B2  
Symmetry and Relativity  
Lecture 10



# Parity symmetry violation

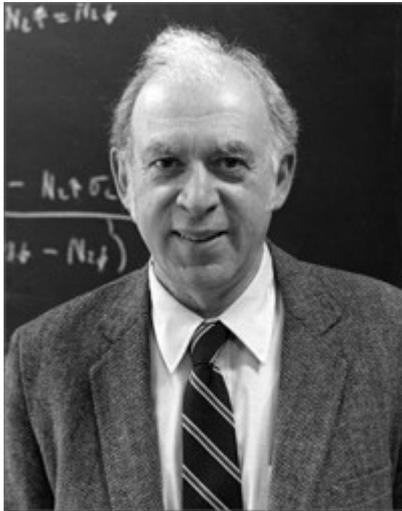
TD Lee

CN Yang



- Suggested parity not conserved in weak interactions (1956)
  - Motivated by “ $\theta$ - $\tau$ ” puzzle
  - Paper received 22 June 1956
- Inspired follow-up experiments
  - Wu, Ambler, Haywood, Hoppes, Hudson (received 15 Jan 1957)
  - Garwin, Lederman, Weinrich (received 15 Jan 1957)
  - Friedman, Telegdi (received 17 Jan 1957)

# Jl Friedman, VL Telegdi



- Conducted experiment in “early October, 1956” at the University of Chicago
- Observed decays of stopped  $\pi \rightarrow \mu \rightarrow e$