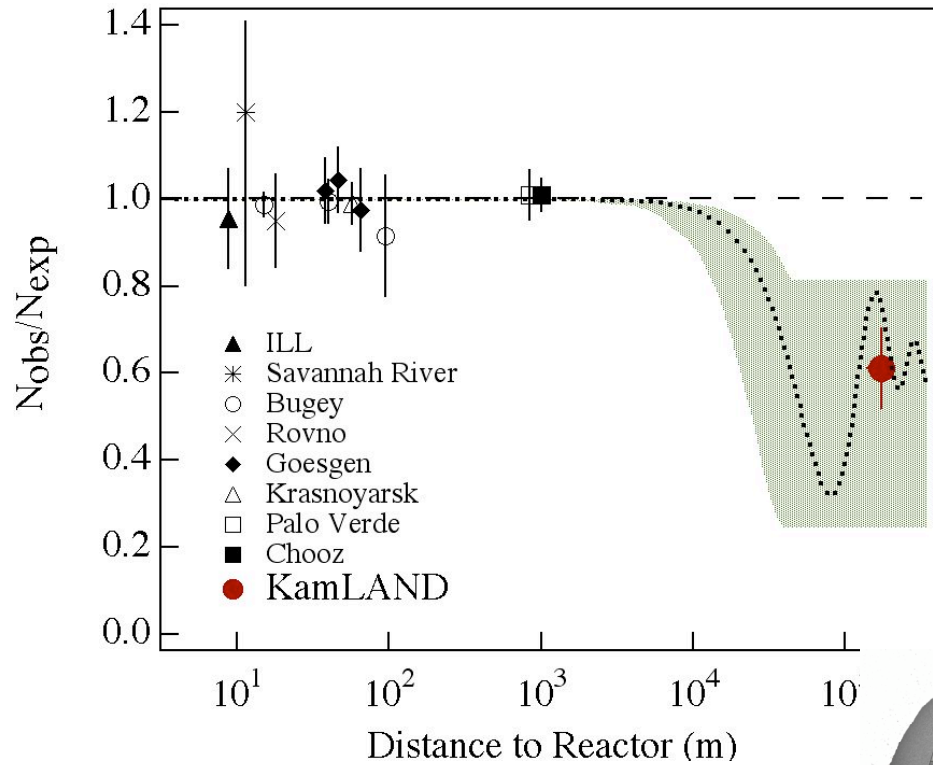


First Evidence for Reactor Anti-Neutrino Disappearance



50 Years of Reactor Neutrino Physics

1953 First reactor neutrino experiment

1956 “Detection of Free Antineutrino”,
F. Reines and C.L. Cowan

□ Nobel Prize in 1995

2002 “First Evidence for Reactor Neutrino
Disappearance at KamLAND”

Studies reactor neutrinos with a baseline
of ~ 180 km

Inverse β -decay on protons

