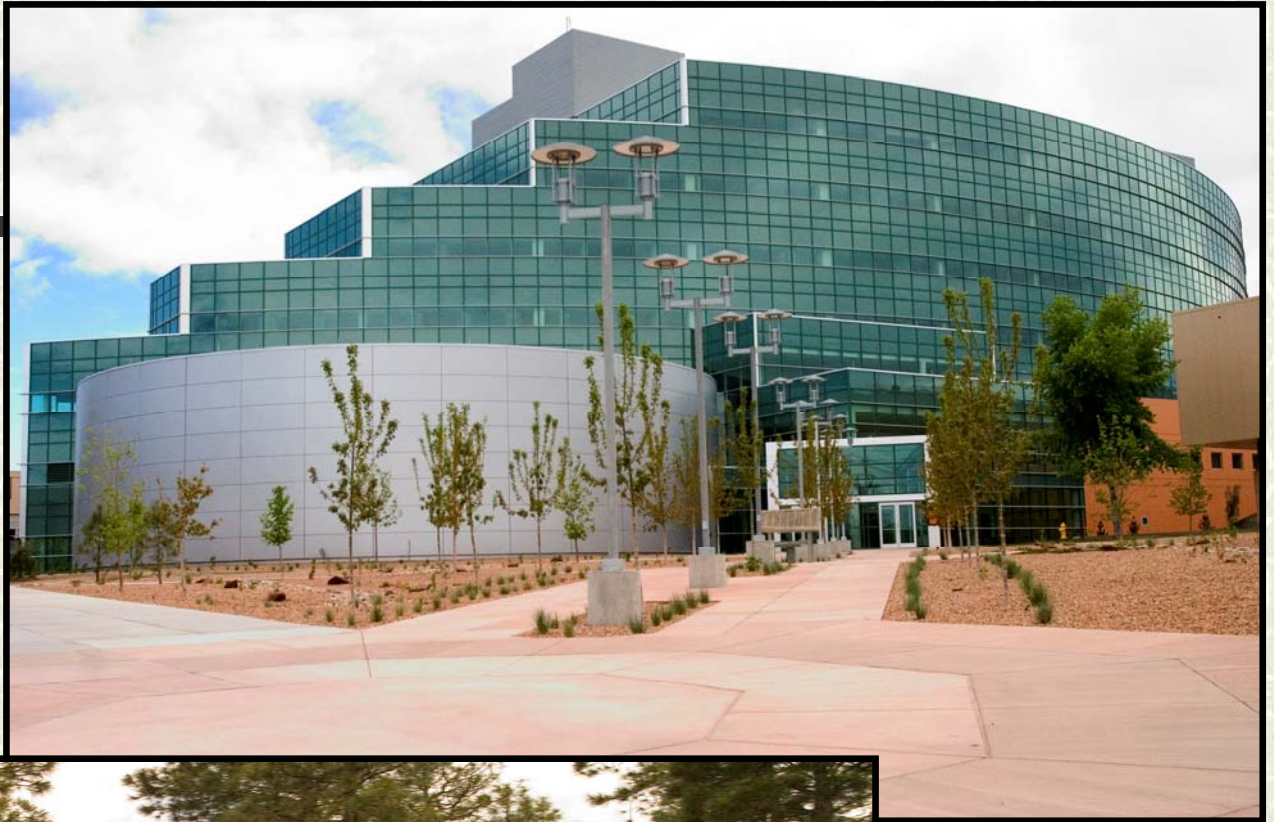


Reines - Cowan Team Detection of the Electron Neutrino

Herald W. Kruse



Neutrino



Neutrino - LANL

“Looking back, we had much to be thankful for ... Detection of the free neutrino could, in my view, only have happened in Los Alamos.”

Reines, 1982

Neutrino - LANL

- # Adequate Financing
 - # Excellent Support
 - Machining, Fabrication, Computing
 - # Security Clearances for Savannah River
 - # Scintillator Expertise
 - # Driving Force of Reines
-

Neutrino- Fredrick Reines



Neutrino- Reines & Cowan



Clyde Cowan Jr.



Frederick Reines

Neutrino – Hanford Team



Neutrino - Savannah River Team

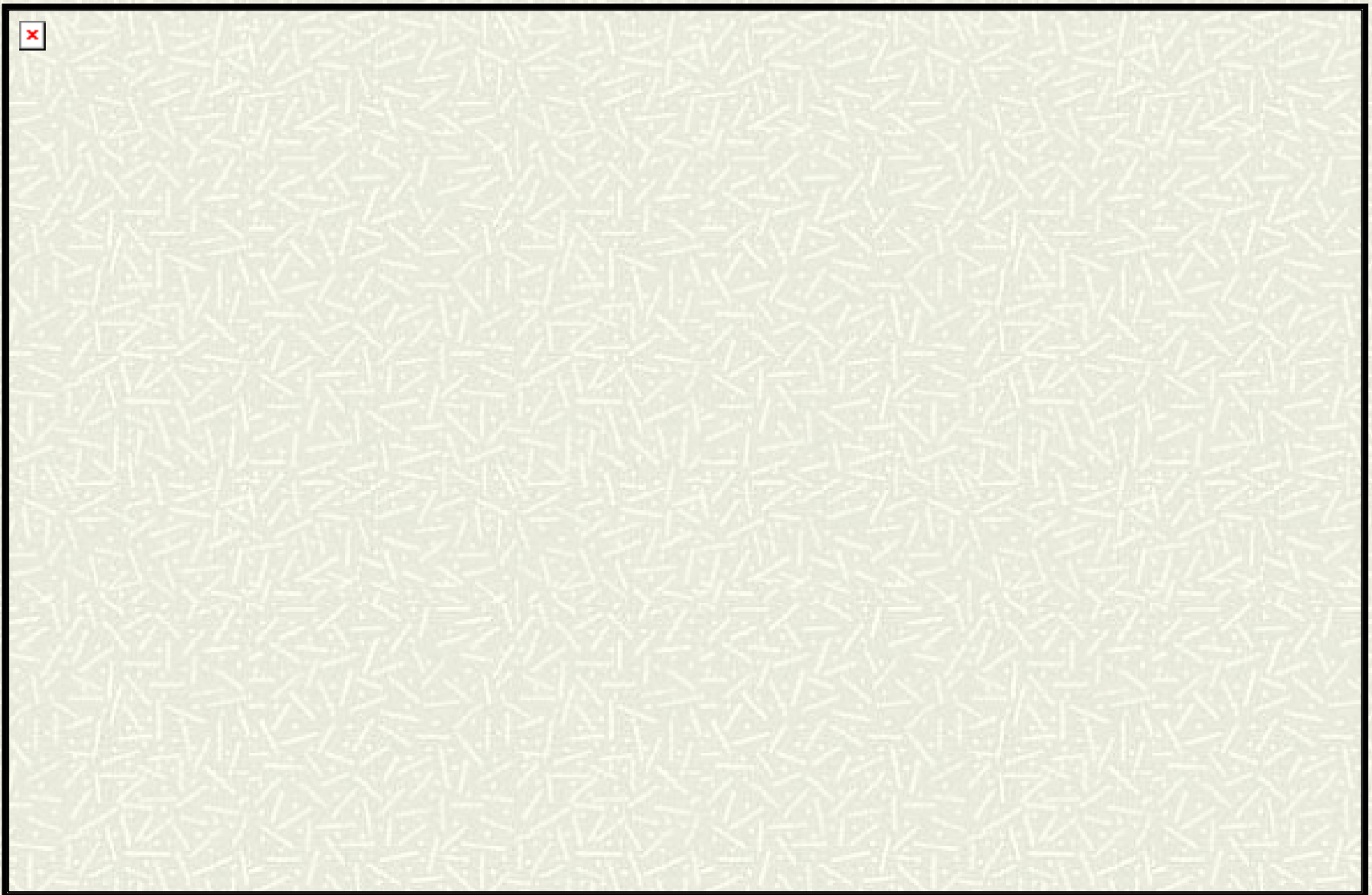


Neutrino - Savannah River

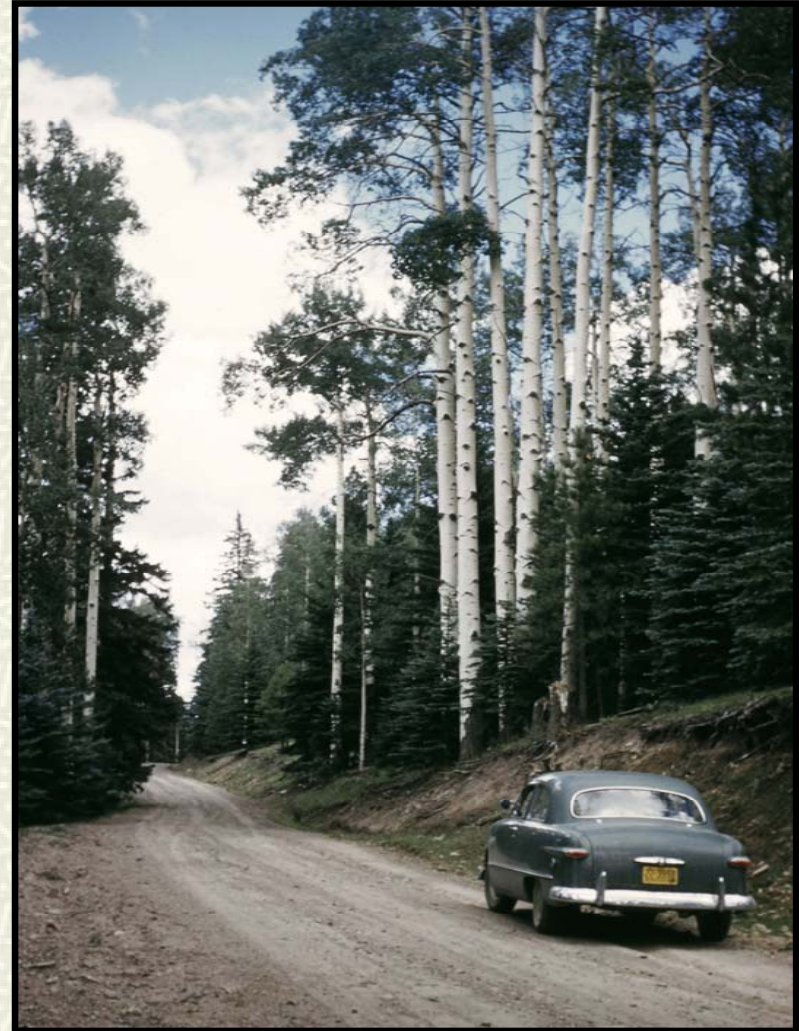


Tank Farm

Neutrino – Los Alamos 50's



Neutrino—Los Alamos 50's



Neutrino



Neutrino- Savannah River

Electronics Trailer



Neutrino – Aiken Parade & Area



Neutrino – Aiken Area



Neutrino –Aiken Area



Neutrino – Aiken Area



Neutrino – Savannah River



Savannah National Lab
Reactor K

Neutrino

Richard Jones &
Martin Warren
(left to right)

Inserting Target
Tank into the
Detector Shield



Neutrino- Savannah River



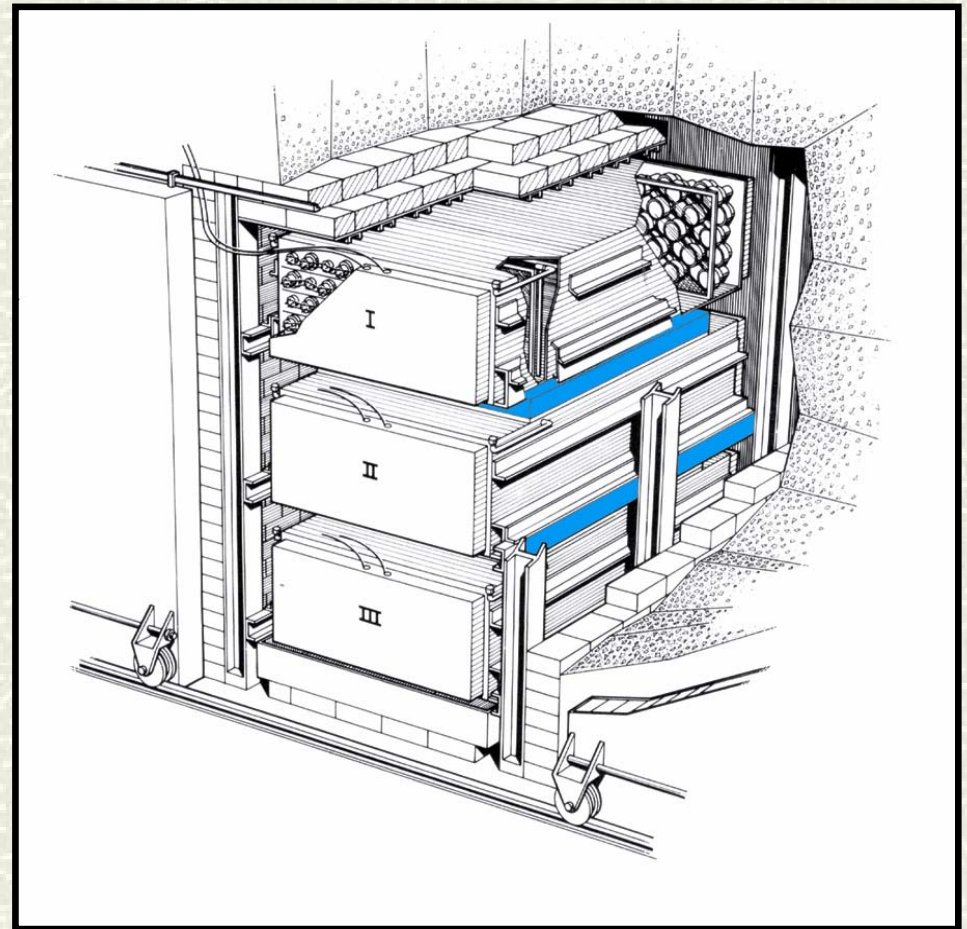
Shielding,
4 Feet
Thick

Bags of
Soaked
Sawdust

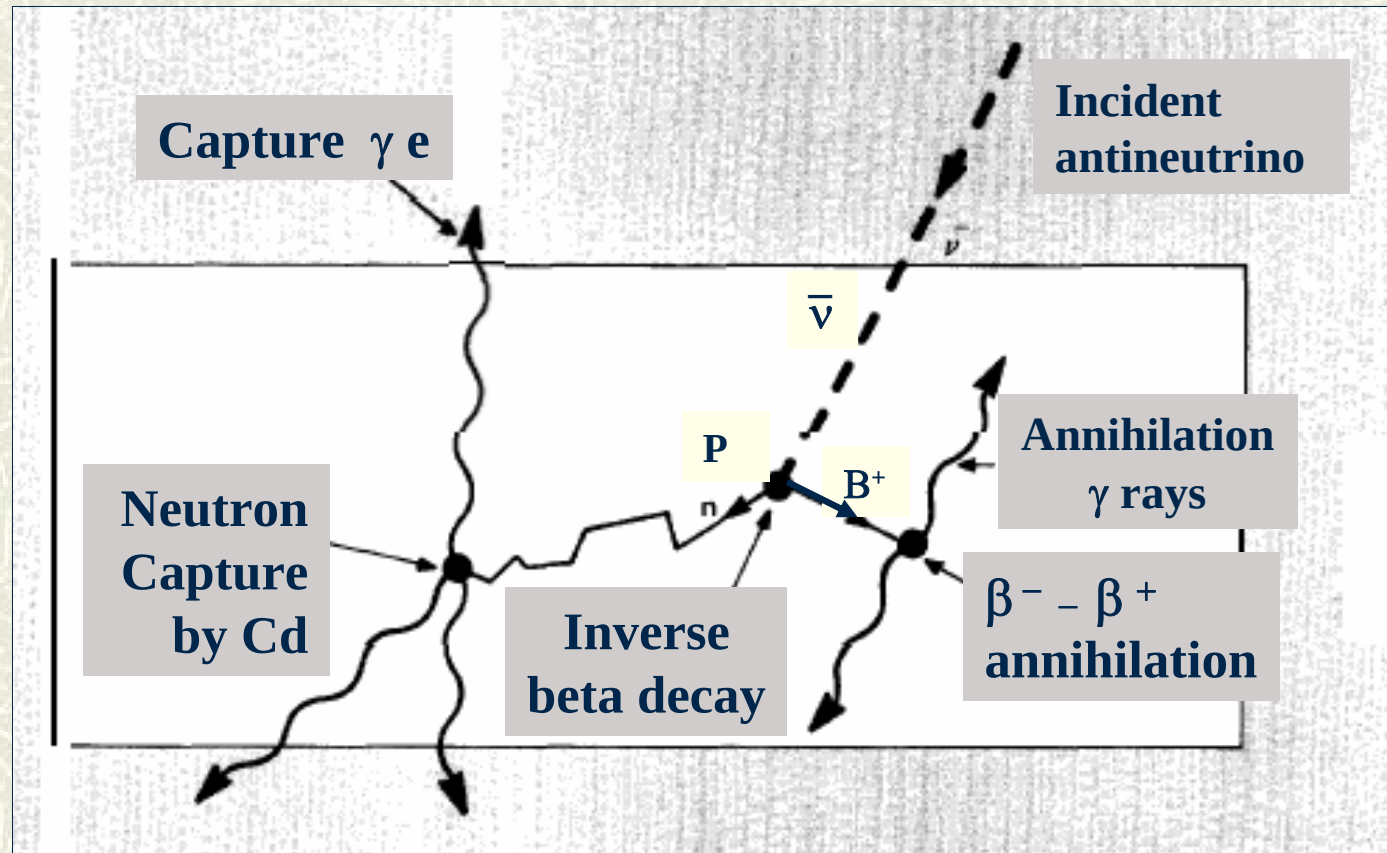
Neutrino – Savannah River

Detector Design

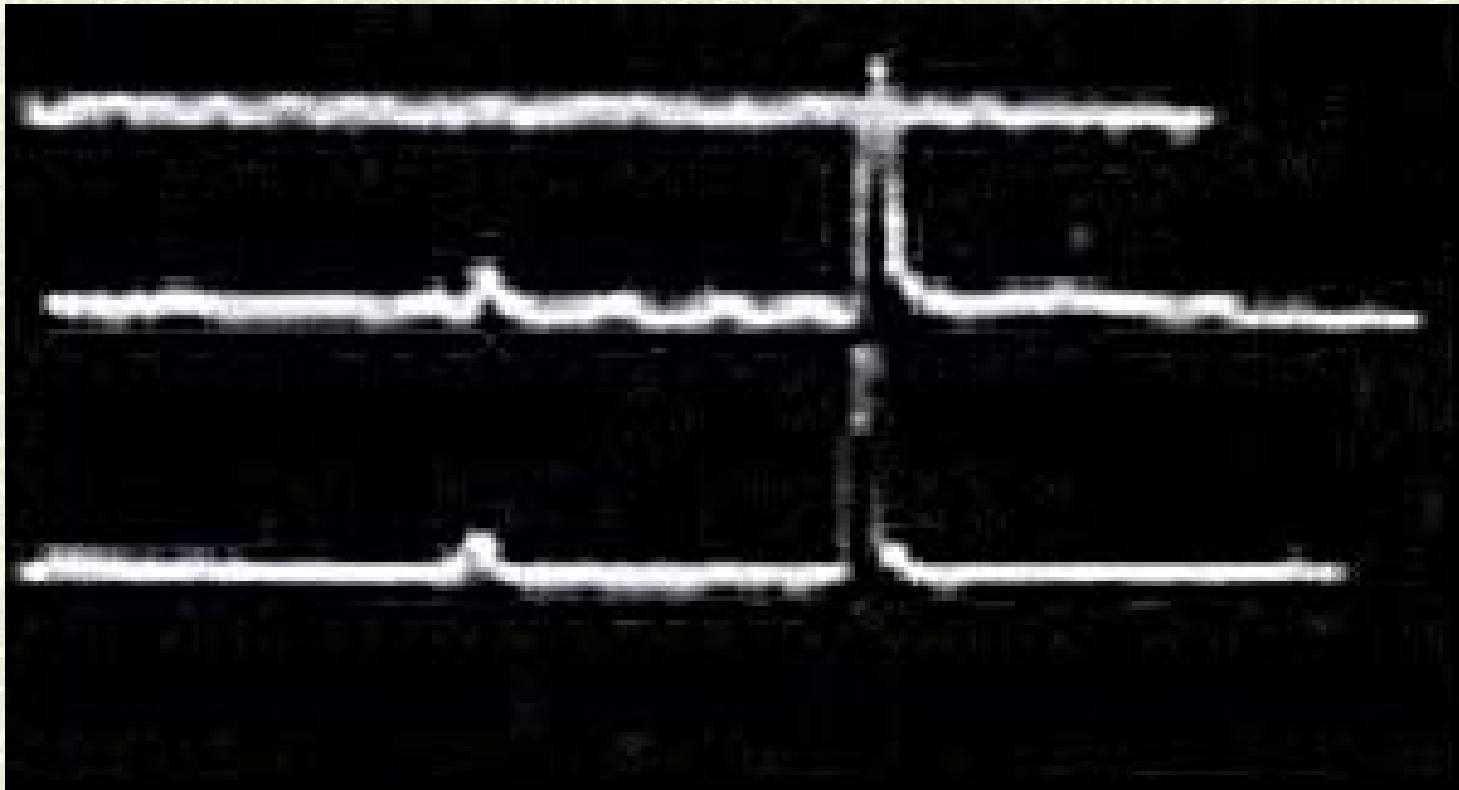
Target Tanks (Blue)
between
Scintillation
Detectors (I,II,III)



Neutrino – The Reaction



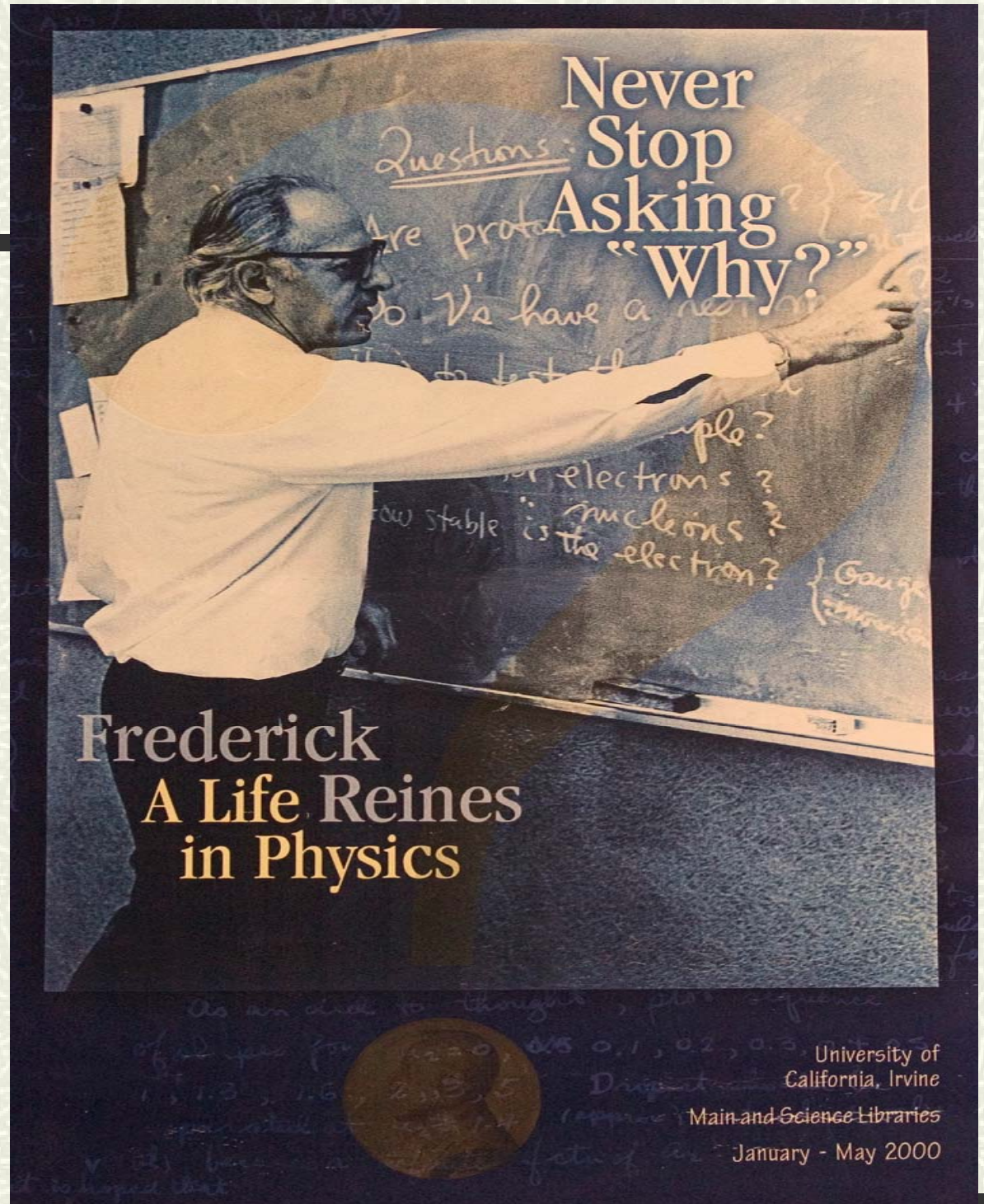
Neutrino – Scope Trace



Delayed-Coincidence Signal

Neutrino

UC Irvine
celebrates
Reines' life
and work

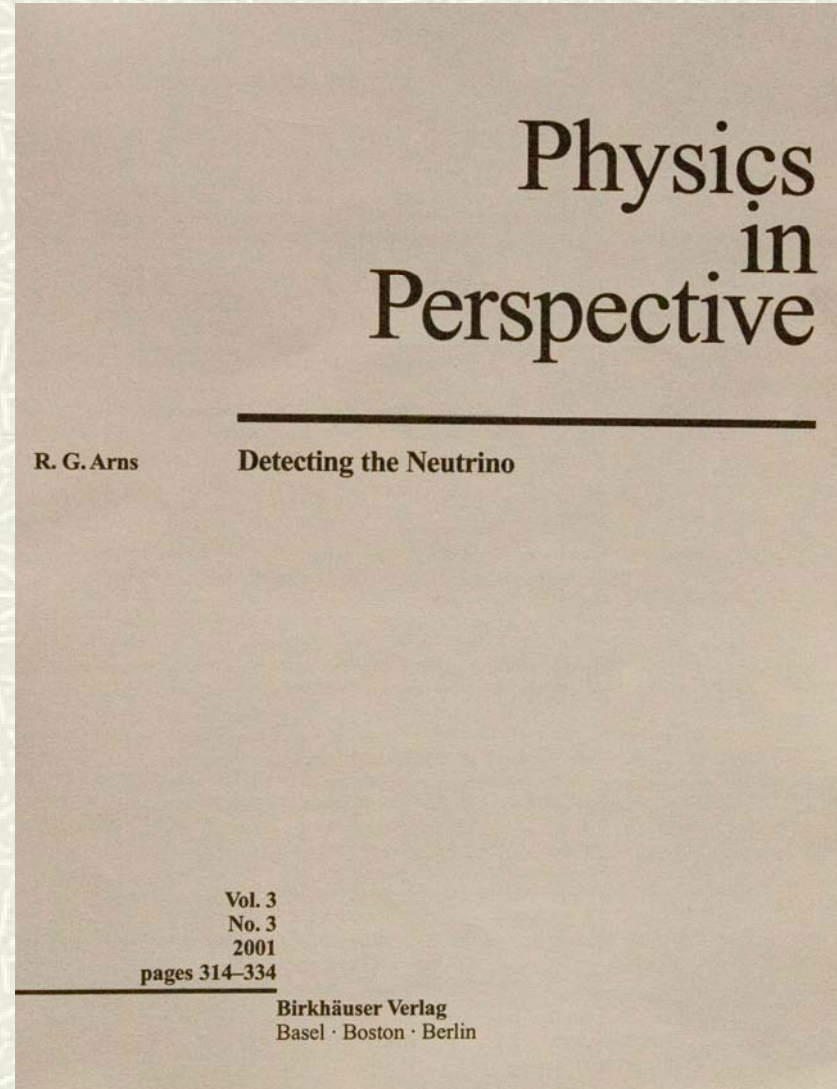


Neutrino - Publication

2001 Publication
by R. G. Arms

Vol. 3

No. 3





Neutrino

Thank you

Any questions?
