Jinping Neutrino Experiment



One ton prototype

Since May 10, 2017, Started with pure water. Now taking data with a type of liquid scintillator.



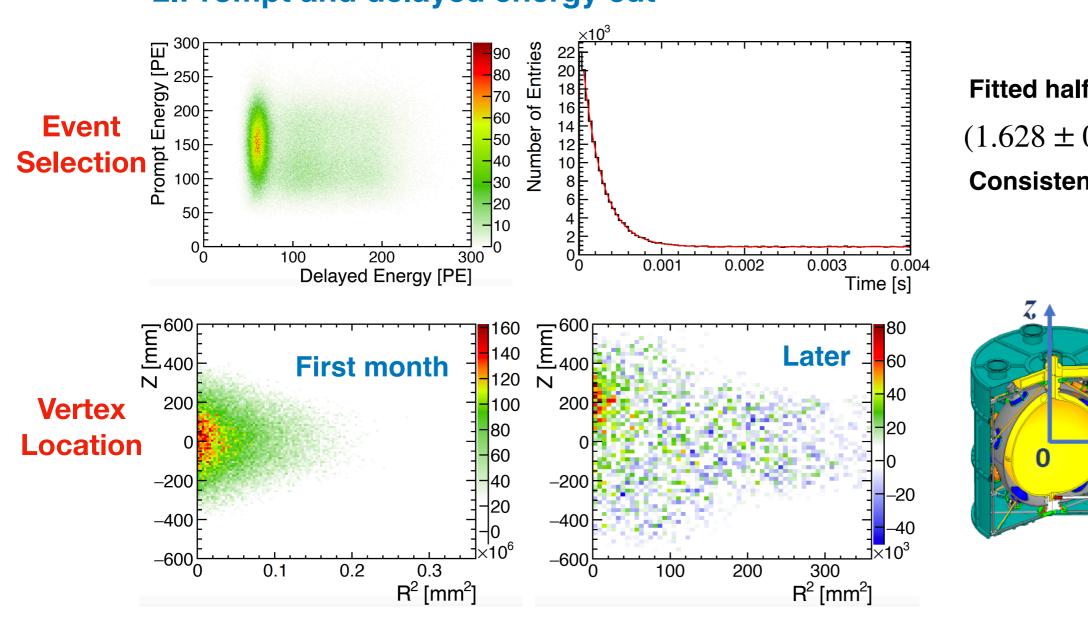
Jinping Neutrino Experiment



Detection of Bi214-Po214-Pb210 cascade decay

1.Prompt-delayed distance cut

2.Prompt and delayed energy cut



Fitted half-life:

 $(1.628 \pm 0.007) \times 10^{-4}$ s

Consistent with Po214



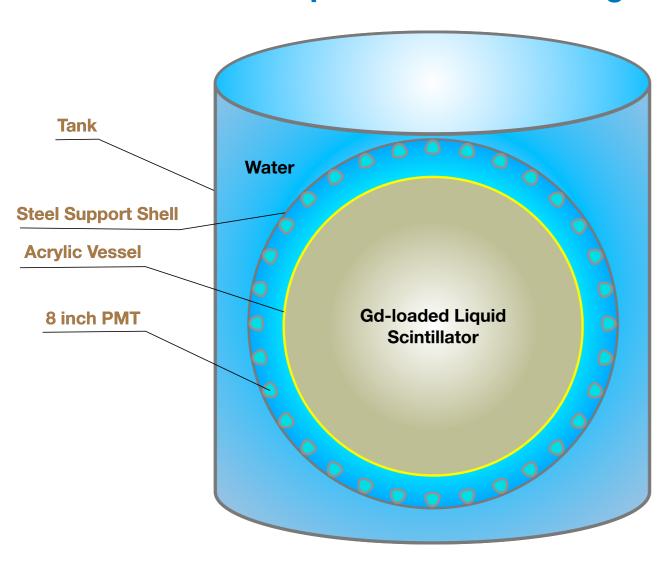
Jinjing Li @NNN18

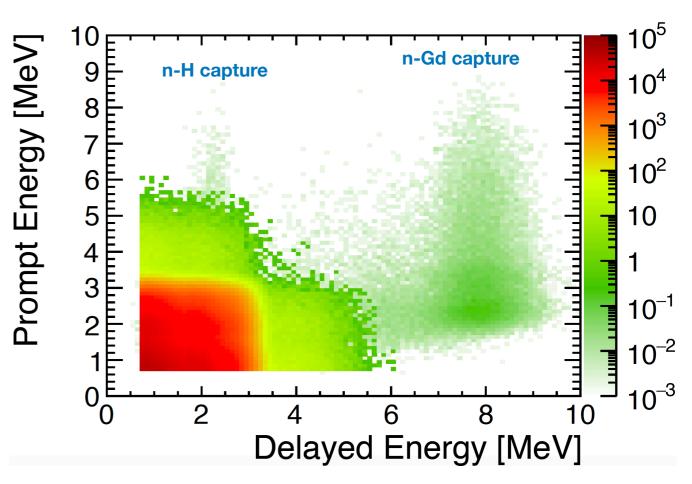
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200 ton detector for geo-neutrino

Conceptual Detector Design





Backgrounds for geo-neutrino Detection can be highly suppressed.