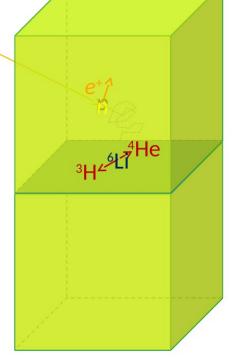
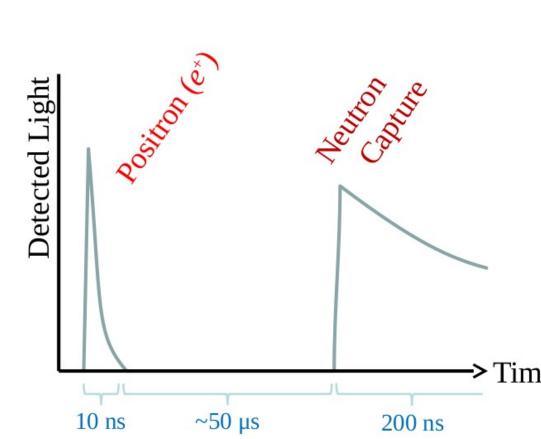


The CHANDLER Reactor Neutrino Detector VT VIRGINIA Tulasi Subedi, Virginia Tech

Introduction

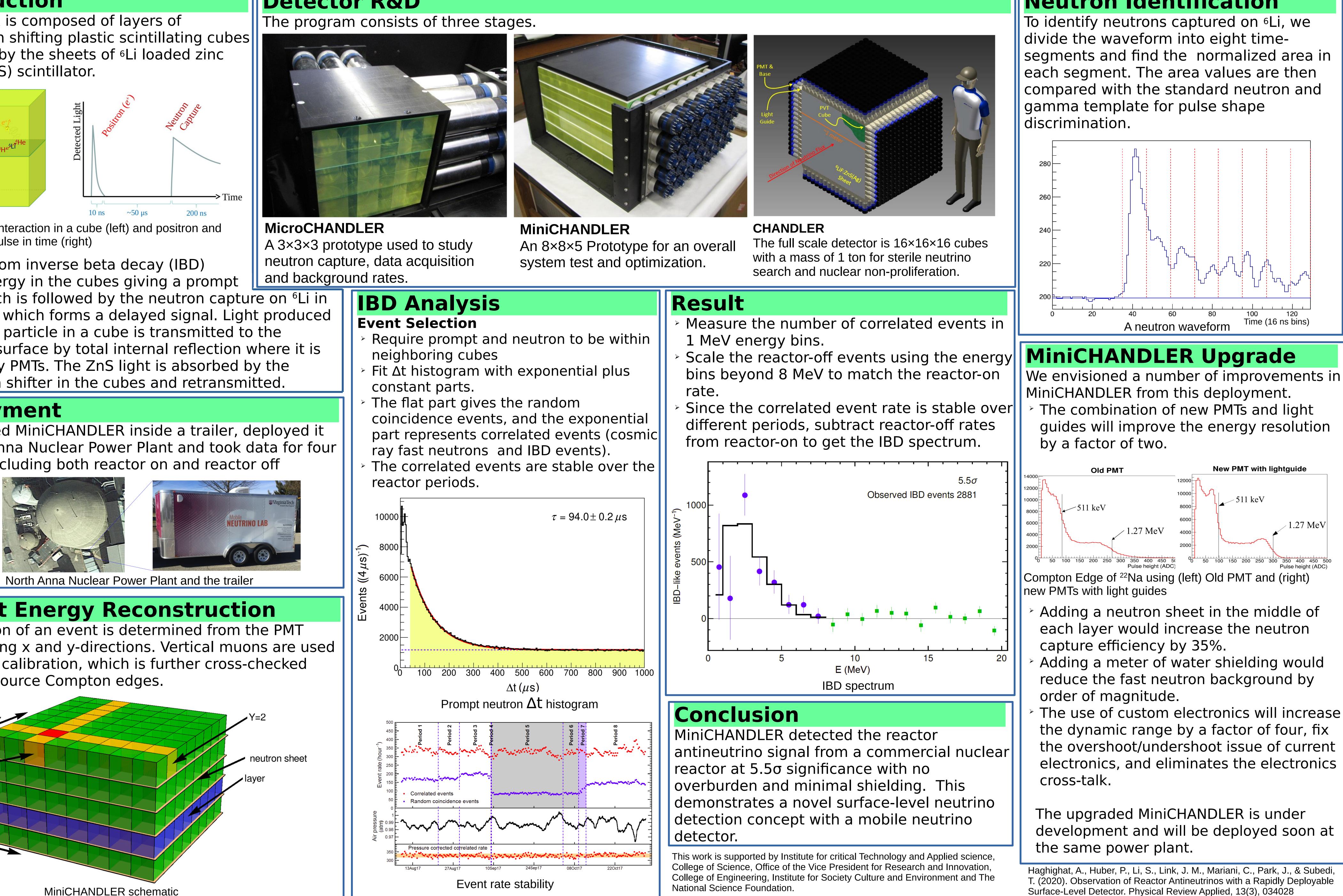
CHANDLER is composed of layers of separated by the sheets of 6Li loaded zinc sulfide (ZnS) scintillator.





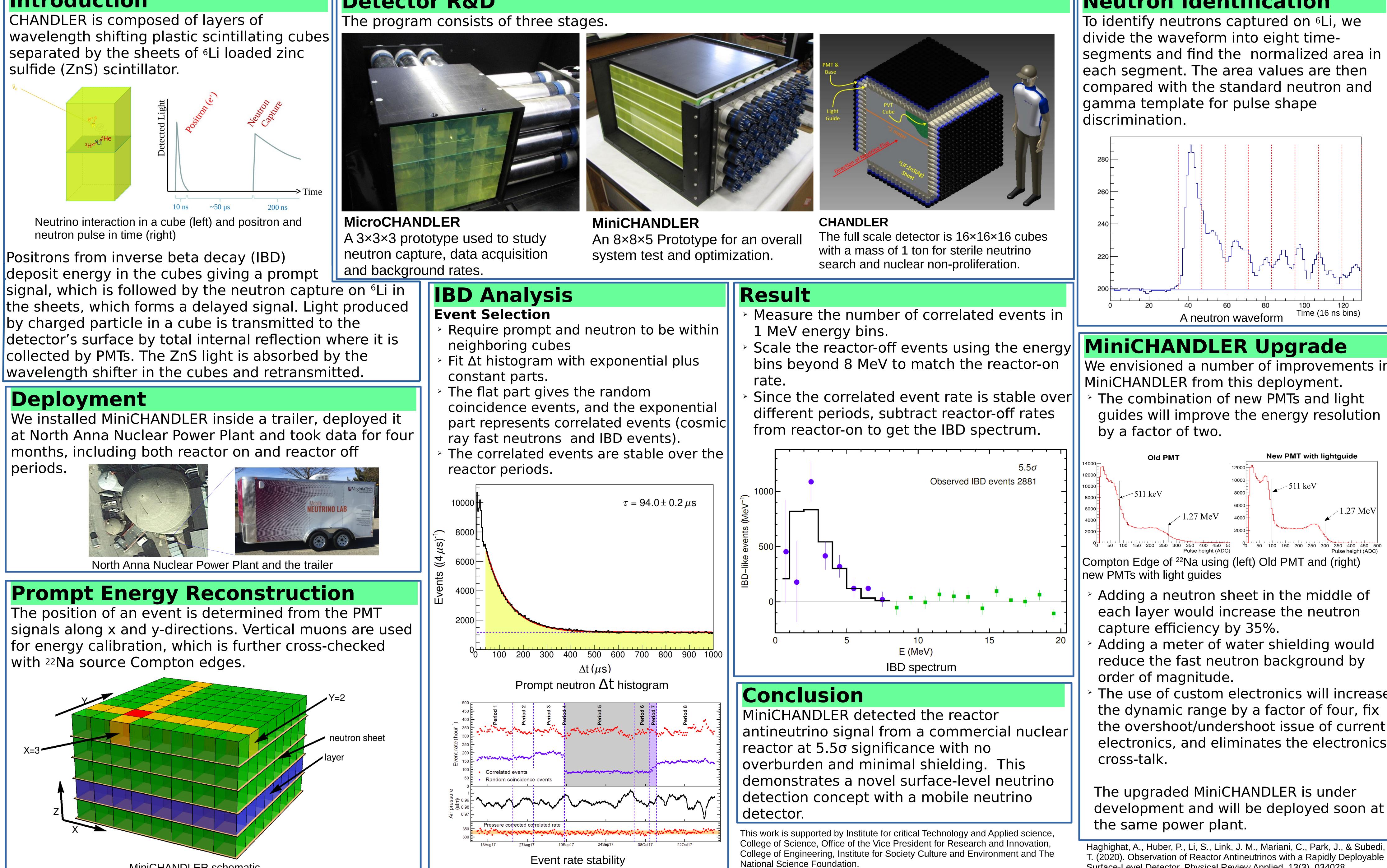
by charged particle in a cube is transmitted to the collected by PMTs. The ZnS light is absorbed by the wavelength shifter in the cubes and retransmitted.

months, including both reactor on and reactor off

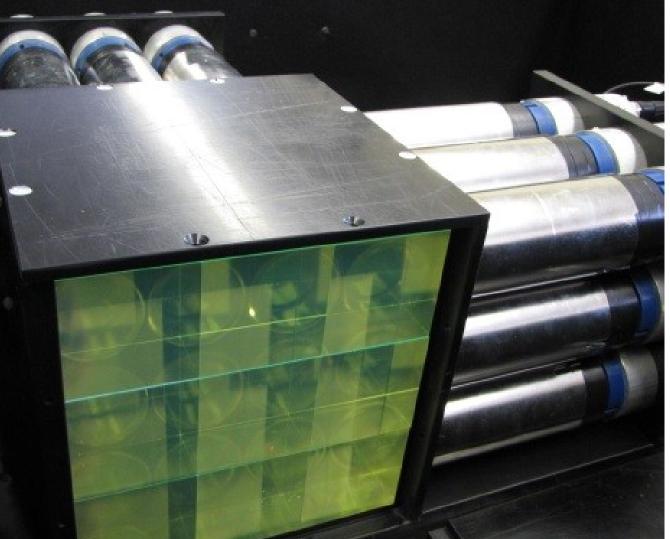


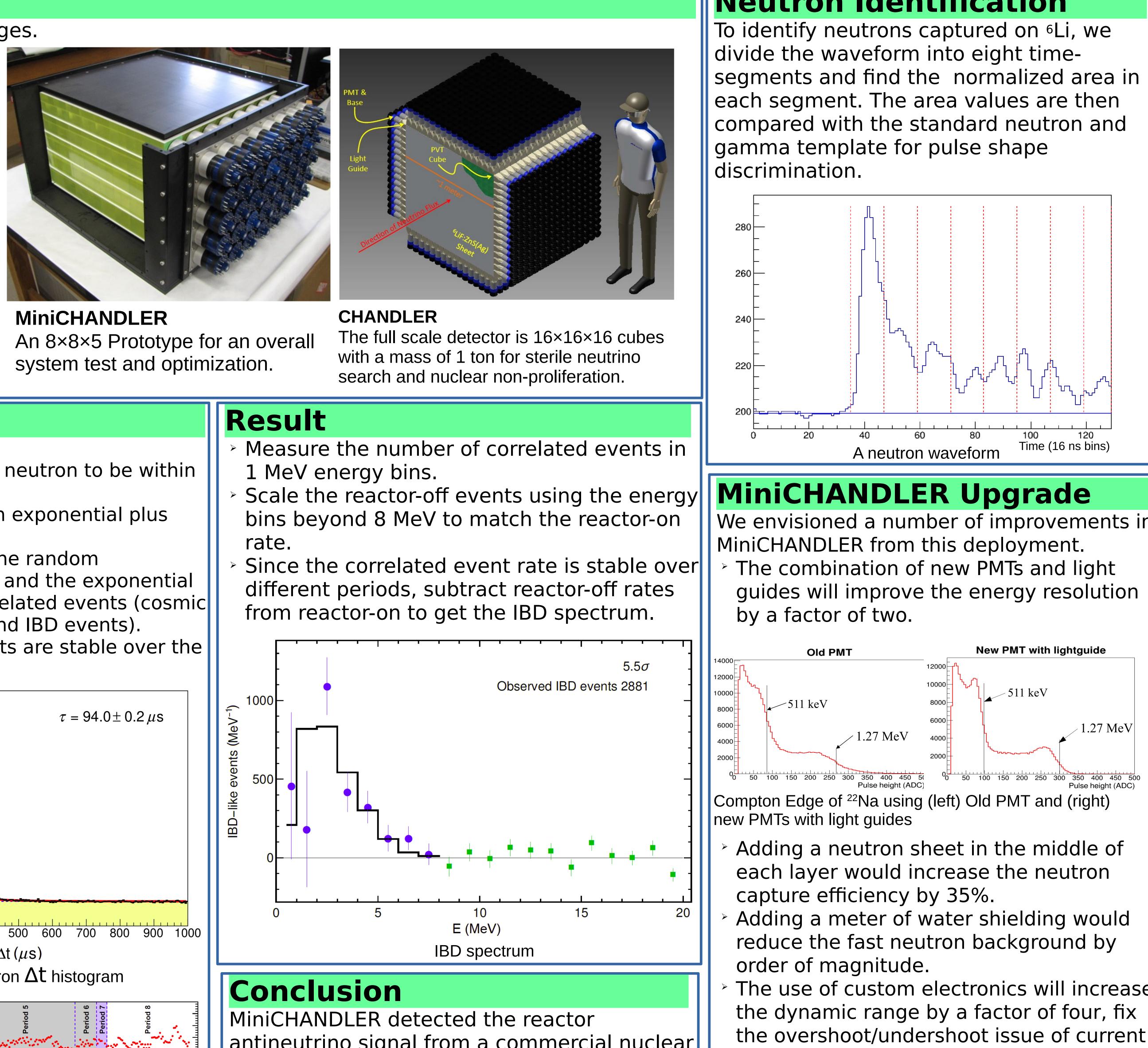
Prompt Energy Reconstruction

with ²²Na source Compton edges.











Neutron Identification