**Report #2: The ETA Project – February Report**

Mar. 6, 2018

To: Dr. Glenn Sjoden, Chief Scientist, AFTAC

From Alan Ross,

Copy: Brad Wallin - LLNL, Brent Blue - LLNL, Capt. James Bevins – AFIT, Prof. Rachel Slaybaugh - UC Berkeley, Dr. Lee Bernstein – LBNL, Lt. Nicholas Quartemont – AFIT, James Denbow - AFTAC

The principal effort this month was organizing the return of the ETA assembly from Lawrence Berkeley National Lab (LBNL) to LLNL. The parts of the ETA assembly are prepared for return to LLNL. The last issue that needs to be completed is paperwork to allow the transfer of the Pb section of the ETA to be transferred from LBNL to LLNL. The lead part has some measurable activation from its exposure at the 88 inch cyclotron, and therefore, might require handling as radioactive material. It is expected that shipment of this part can be completed in the next couple of weeks.

Hesham Khater and Charles Yeamans are prepared to add the experimental configuration to the full NIF model.  Charles and Kim Christensen are prepared to begin design work for the ETA mounting and refining the positioning with respect to staying outside of the exclusion zones.

The plan is still to field the shot as an add-on in late July, 2018.

The funding for the program is expected to be at LLNL in March.