

High-Efficiency Klystron with Post Acceleration Progress Report

1Q FY19

The project was started on November 1, 2019, at the request of DOE/HEP. Several administrative activities were the main focus of the project during this reporting period. These include:

- The VSIM modeling tool (from Tech-X) is on order.
- We are developing the contract for our University of Maryland collaborator for their share of the project.
- A potential faculty guest (Professor Heather Song from U Colorado, Denver) has proposed to the DOE/SC Visiting Faculty Program to work with us during the summer of 2019.
- We have identified a student (Anna Cooleybeck from U. Michigan from Y.Y. Lau's group) to work with us this summer to perform numerical scoping simulations under the guidance of the PI and in collaboration with Professor Song. This is a good connection since the nonlinear bunching theory was initially developed by Professor Lau.