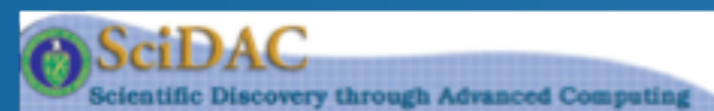


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# FACET E300: Accelerator- Plasma Handshake Scripts

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## Completed Action Items

- Merged HDF5 initialization into QuickPIC dev repo and sent to Alex.
- Held several Installed and compiled QuickPIC on Alex's machine [exe and input deck generation].
- Added Lucretia2QP and QP2Lucretia functionality into simulation workflow.
- Alex carried out preliminary tests using Lucretia inputs from Claudio.

## Next Steps

- Run start-to-end simulations from Lucretia to QuickPIC.
- [Optional] Compile and run QPAD with a modified handshake script as a simulation option.

**Particle phase space initialization ( hdf5).**

- Incorporated handshake script for Lucretia2QP and QP2Lucretia.

Lucretia2QP script

