

# ACE3P Updates (4/12/2022)

## Pic3P

- Added [thermionic emission](#) using the following container (see Pic3P command syntax for description).

## TEM3P

- Added surface heat flux map defined in an input file (see TEM3P command syntax for description).

## Track3P

- Enabled the use of symmetry planes to reduce computation domain for geometry with symmetry.

# ACE3P GUI (in Collaboration with Kitware, Inc.)



See details at this link

<https://mb-ace3p.readthedocs.io/en/latest/>

The most recent released version of ModelBuilder includes the following new features.

- There is now a menu item to request starting a ParaView server instance on NERSC for **remote visualization** without the need to transfer data back to local machine.
- There is now an option to preview and edit an ACE3P command file before submitting job to NERSC.
- The job-details widget now includes a button to cancel a running job.

The above link also appears as an item under ACE3P in the “ACE3P tutorials and documentation” webpage:

<https://confluence.slac.stanford.edu/display/AdvComp/Materials+for+CW18>

# NERSC Allocation for 2022

- **m349 and m1779 allocations**

Make sure you use the correct repo, with m349 for High Energy Physics (HEP) applications and m1779 for Basic Energy Sciences (BES), Nuclear Physics (NP) and other.

- **Acknowledgement**

Include the following in your publications for using NERSC resources.

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