

CDMSLITE MATLAB DMC JOBS: STATUS AS OF 11/6/14

- **Total of 117,125 events**
- **Successfully completed ~104,500 phonon simulation events**
 - 10.8% failure rate (most due to high energy/too many phonons)
 - A single event took on average ~3 hours to run
 - Took ~2 months to run and ~400,000 CPU-hours
 - Came in the context of: some downtime due to a major cluster upgrade from EL5 to EL6, learning how to run these jobs most efficiently, and heavy cluster usage by others. In the future, jobs can be run quicker now that we have good experience.
- **Currently ~60% done with TES simulations for all events**
 - A single TES simulation takes ~8 minutes to run
 - Expect to be completely done within next few days
- **Next steps:**
 - run/test post-processing and validation software on the output files generated by the DMC – currently working on this
 - We are ready for our next big project!