

Finished:

- ▶ Higher-statistics LG look-up-table simulation, the tool is fully developed in *remoll* branch 'feature-PE-studies'
- ▶ Verified simulation in *remoll* matches ISU qsim implementation of reflectors and quartz

Next steps:

- ▶ Reproduce prototype Shower Max (small quartz tungsten stacks with no light guides) SLAC results in *remoll* to bin down benchmark
- ▶ Utilize 'feature-PE-studies' branch analysis scripts to optimize detector implementation to further reduce backgrounds and control signals