Command - python lattice\_conversion.py input\_file\_name

Result – if input\_file\_name is ARC1.lte, it will give out a file named ‘arc1\_lattice.gmad’. Input files should be only the lte file. Not ele files

Command - python beam\_file.py input\_file\_name

Result – This writes out the beam defenition file. So the input should be the .ele file. It will give out a arc1\_beam.gmad type file with the beam defenitions.

Command – python bdsim\_run\_file name\_only

Result – this will generate the main bdsim run file that calls the other files. The command line should only be the name of the file no extension. For example for arc1 it will be “python bdsim\_run\_file ARC1”

You also need a seperate file that has the options for the run. This is commanly shared so you can just use one file and make changes as necessary to move the target and scoring mesh around.

The gdml file is the target. Change it as necessary. At the moment it is a waterblcok.