

To run the latest versions of the Fermi Cavity Simulator and the ANL DOI tool, you must use Matlab 2009.

To run Matlab 2009, you will need to log into a linux machine (flax1 or flashdaqsvr2) and set the following environment variable before starting Matlab:

```
setenv LD_PRELOAD '/lib/libgcc_s.so.1:/usr/lib/libstdc++.so.6.0.13:/lib/libz.so.1.2.3.3' (csh)
```

or

```
export LD_PRELOAD=/lib/libgcc_s.so.1:/usr/lib/libstdc++.so.6.0.13:/lib/libz.so.1.2.3.3 (bash)
```

To run the cavity simulator ...

```
> ssh flax1
```

```
> setenv LD_PRELOAD '/lib/libgcc_s.so.1:/usr/lib/libstdc++.so.6.0.13:/lib/libz.so.1.2.3.3'
```

```
> cd /daq_data/ilc/LINAC/matlab/CAVSIM
```

```
> matlab &
```

```
>>matlab> CAVSIM
```

To run the DOI tool ...

```
> cd /daq_data/ilc/LINAC/matlab/DOI
```

```
> matlab &
```

```
>>matlab> DOI_main
```