

End of Summer Report

Aiden Cage

Completion

- Two full scale mirrors were coated.
- Wires were coated and a mount for the wire holder was created.
- Crystal life degraded to 24% and samples were coated to map out the reflectivity degradation.

Necessary Items

- 500psi remaining of gas, going to be saved for hpDIRC Winston Cone. More gas needed.
- More sample boxes needed.

Future Plan

- Finish coating all prototype full scale mirrors.
- Install cryopump.
- Install filter in gas line.
- Test coatings with ion source.