Cathode ARAPUCA calibration/monitoring

- Follow-up from yesterday's discussion:
 - -may use ProtoDUNE-VD to probe cathode illumination from both top and bottom views
 - -we have enough material at hand (ANL, SD) for six cryostat fibers assuming single fiber length < 25 m (jackets on order)
 - -we have external fibers in PTFE jackets

-need understand routing and design/fabricate the fiber holders (may work with SD engineering student if enough time).

-installation along the long side of FC feasible in January/February 2023.

Top fibers

- 2 Bare fibers pointing towards the cathode X-ARAPUCAs
- 1 fiber with a diffuser pointing towards the cathode X-ARAPUCAS to test the diffuser

Bottom fibers

- 2 Bare fibers pointing towards the cathode X-ARAPUCAs
- 1 fiber with a diffuser pointing towards the cathode X-ARAPUCAS to test the diffuser



