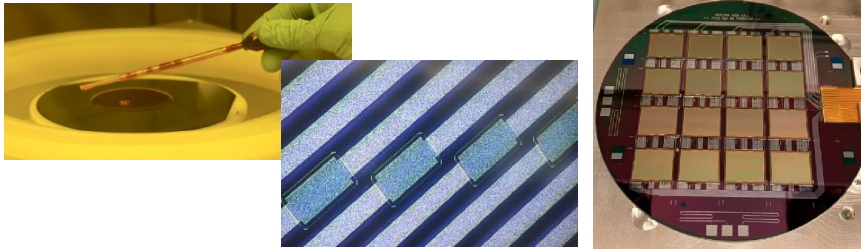


# High-density and low-background Silicon packages for kilogram skipper-CCD instruments (C. Chavez and A. M. Botti)

Dark matter 10 kg skipper instrument (OSCURA):

- 2 order of magnitude increase in mass (24000 CCDs)
- 2 order of magnitude background reduction
- We need 1500 Silicon interconnects

We present R&D at Argonne National Laboratory + assembly at Fermilab:



Successful tests: good noise reduction with skipping

