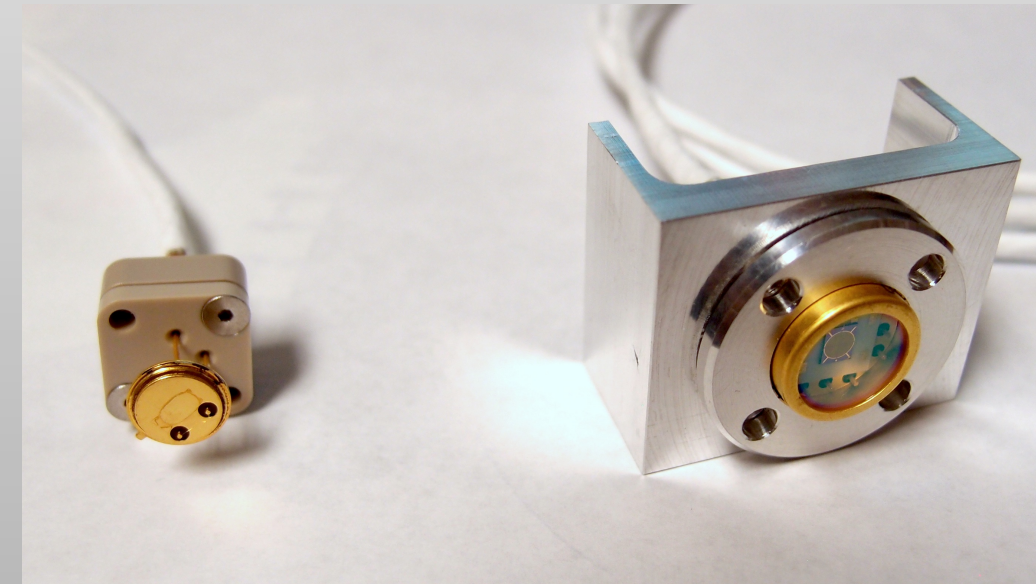


OMC building status

- The OMC SUS with a metal breadboard:
will be (re)built next week by Jeff Bartlett and the team.
- The cabling finalization: Completed
- DCPD/QPD mount: Arrived except for the plasma sprayed DCPD housing (Al₂O₃ coating for heat radiation).
All components to be cleaned
- New transportation fixtures: Arrived, to be cleaned
- Black glass beam dampers: Prototyping done at MIT
The production batch to be done next week
- Gluing fixtures: Cabling side / Cavity side / PZT mount gluing
Ordered. Expected to arrive by 13rd Mar. Then to be cleaned
- Actual gluing: Expected to begin on 25th Mar.

OMC status update

K Arai/J Lewis/W Korth / Mar. 8, 2013
LIGO-G1300172-v1 P2



<-
Cable assembly
for DCPD (left)
QPD Mount (right)

^
Transportation
fixture

eLIGO OMC test @LLO (W. Korth)

- To allow earlier building the testing setup at LLO
 - Confirmed the reduction of the throughput (shown as visibility in the plot) by increasing the incident power
 - Still not sure about the mechanism (real? or artifact?)
- same test to be done for the aLIGO OMC at CIT

