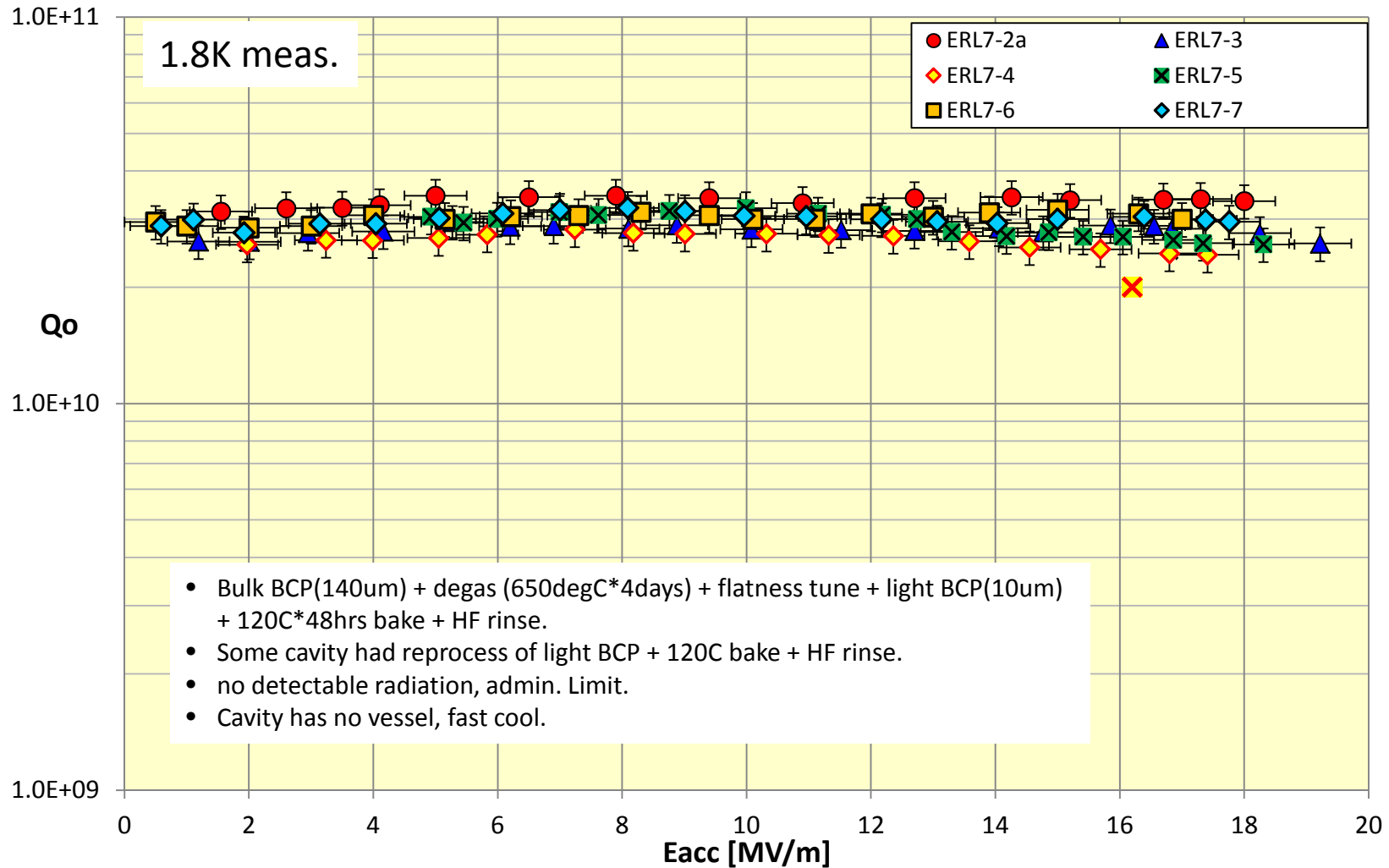




## VT of all 7-cell cavities for MLC done.



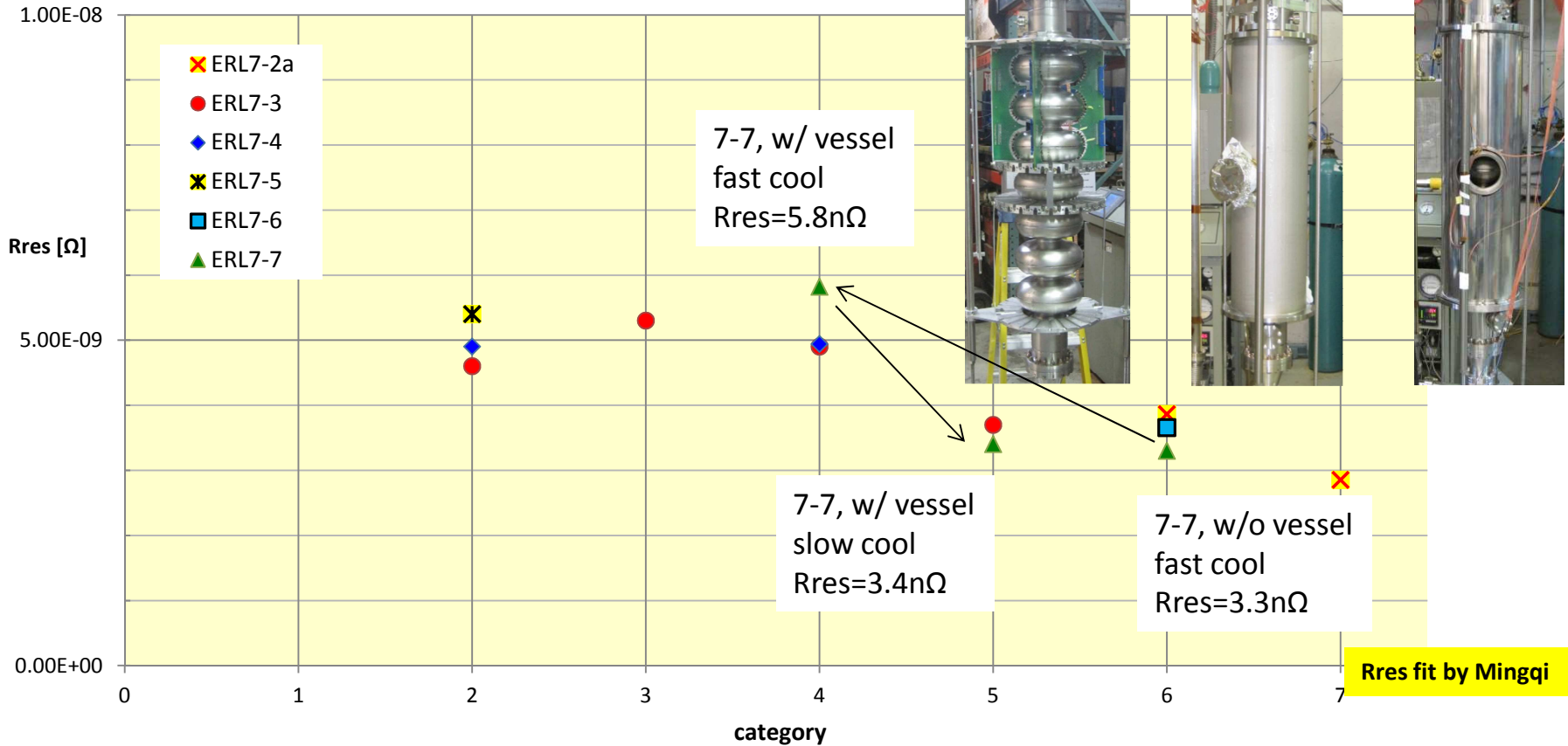


# ERL7-cell, Rres analysis

Bare, w/ T-map

w/ He vessel

w/ mag. shield



category	1	2	3	4	5	6	7
HF	NO	Yes	Yes	Yes	Yes	Yes	Yes
Cooling rate	Fast	Fast	Fast	Fast	Slow	Fast	Slow
He vessel	NO	NO	Yes	Yes	Yes	NO	NO
Mag. shield	NO	NO	NO	Yes	Yes	Yes	Yes
Cavity #	7-1	7-2,3,4,5	7-3	7-3, 4, 7	7-3, 7	7-2a, 6, 7	7-2a



## LCLS-II High $Q_0$ R&D starts

- 3 partners: JLAB, FNAL, Cornell
- Goal: demonstrate that 16 MV/m,  $2.7 \times 10^{10}$  at 2K can be achieved reproducibly
- Main focus will be on N-doped Niobium cavities (Cornell will also study some HF treated cavities)
- 3 collaborative parts:
  - Single cell tests
  - 9-cell vertical tests
  - 9-cell horizontal / cryomodule tests