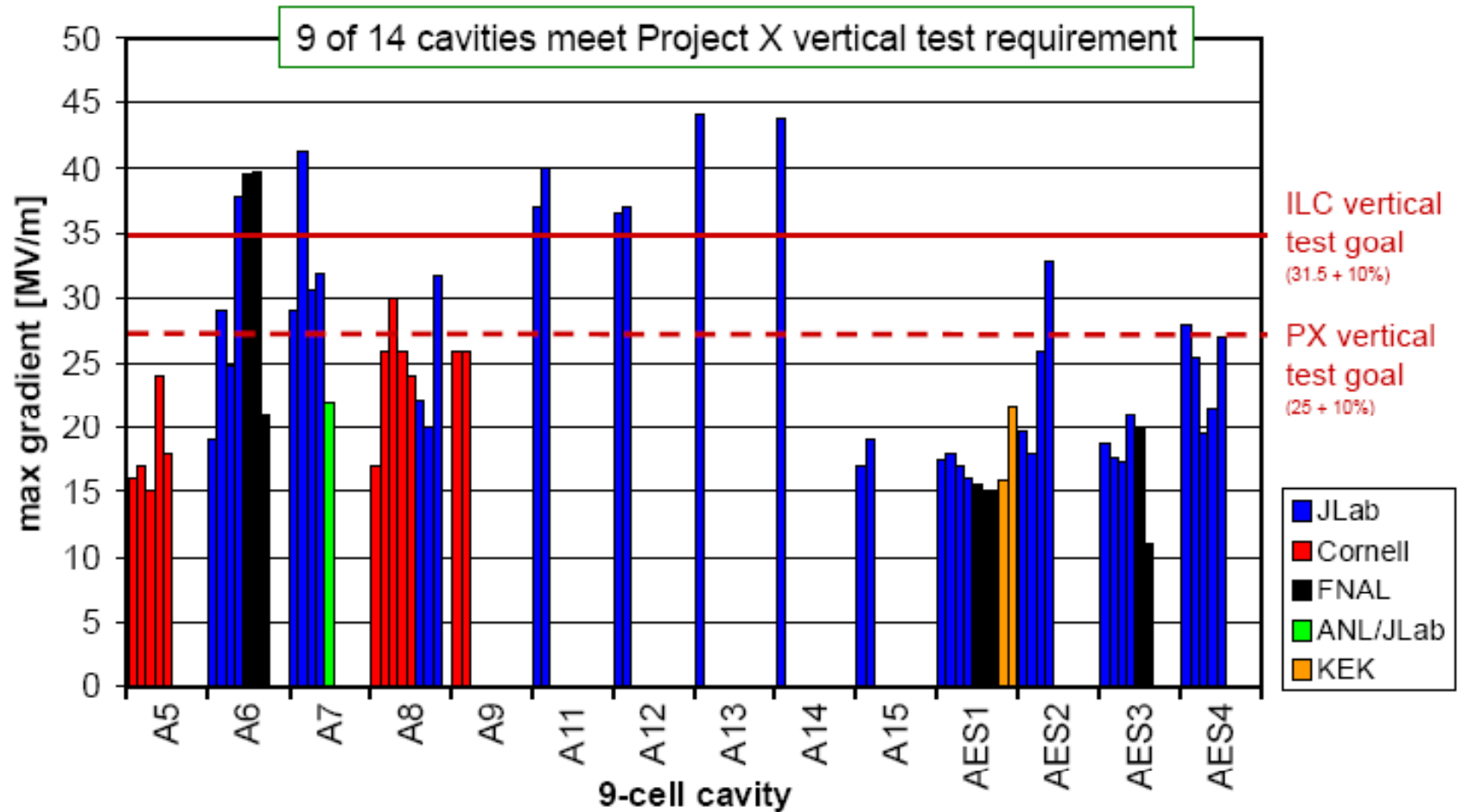


# Discussion on CM2 Fabrication

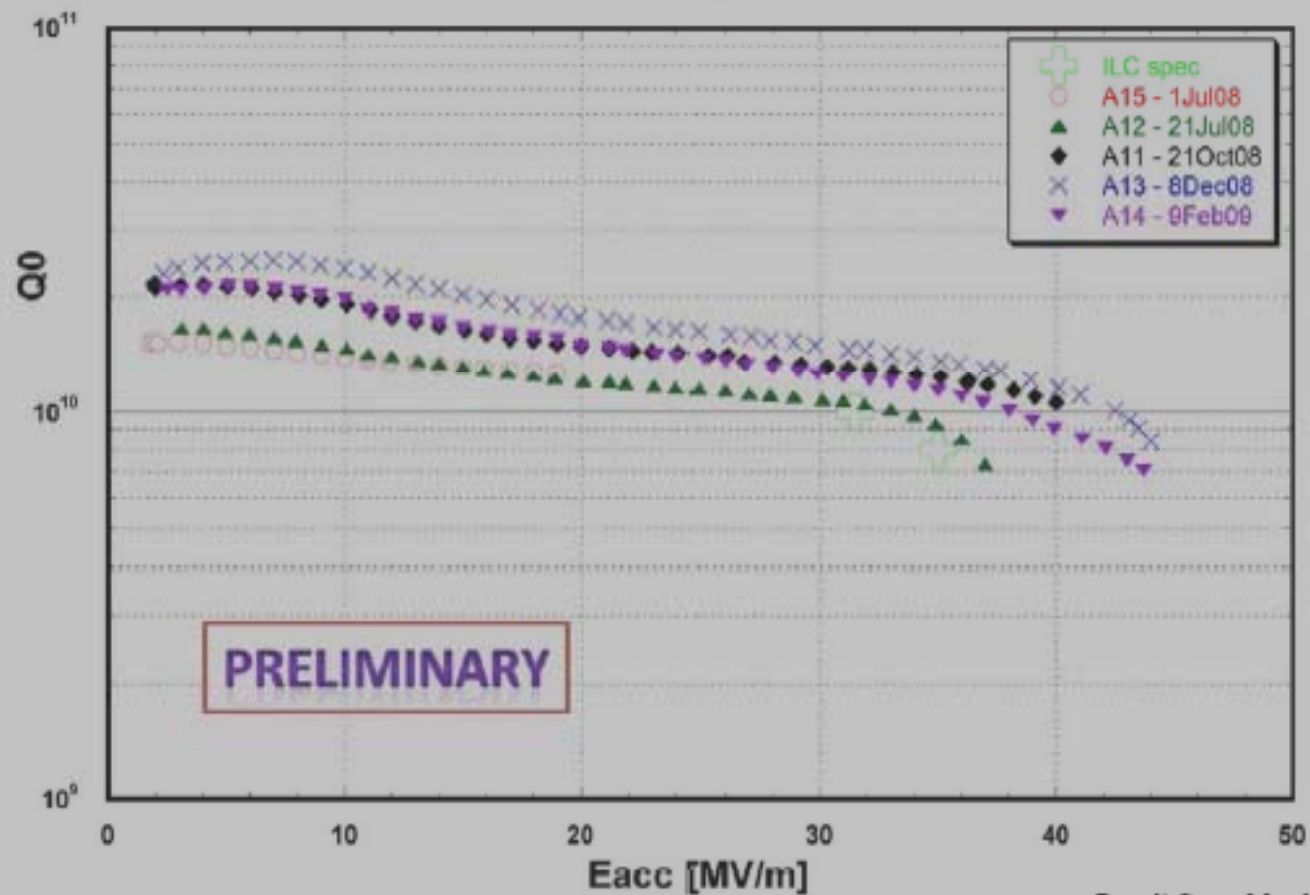
Shekhar Mishra and Harry Carter

# Possible Cavities for CM2



# 1.3 GHz, 9-cell Cavity Result

One Vendor Cavity (5) Performance in Last 8 Month, EP/VT at JLab  
– only one light EP prior to RF test



Rongli Geng, March 6, 2009

# Proposal for CM2 Cavities

- A11, A12, A13 and A14 are all very good cavities, similar gradient and Q slope
- A8 and AES2 have a gradient of  $>30$  MV/m
- A6 and A7 are two other candidates. They had gradient  $>35$  MV/m
  - Concern  $\rightarrow$  how much material has been removed
- We have several ACCEL and AES cavities that awaits processing
  - We will have more than 8 cavities that would have an average gradient of  $>35$  MV/m

# Dressing and HTS Sequence

- We are ready to Dress AES1.
- I propose the following sequence for other cavities.
  - AES4 → CC1
  - A11, A12, A13, A14
  - A6, A7, AES2 (???)
  - Newly processed cavities
    - 2 of these will go to KEK

- AES 1