



DESY Status

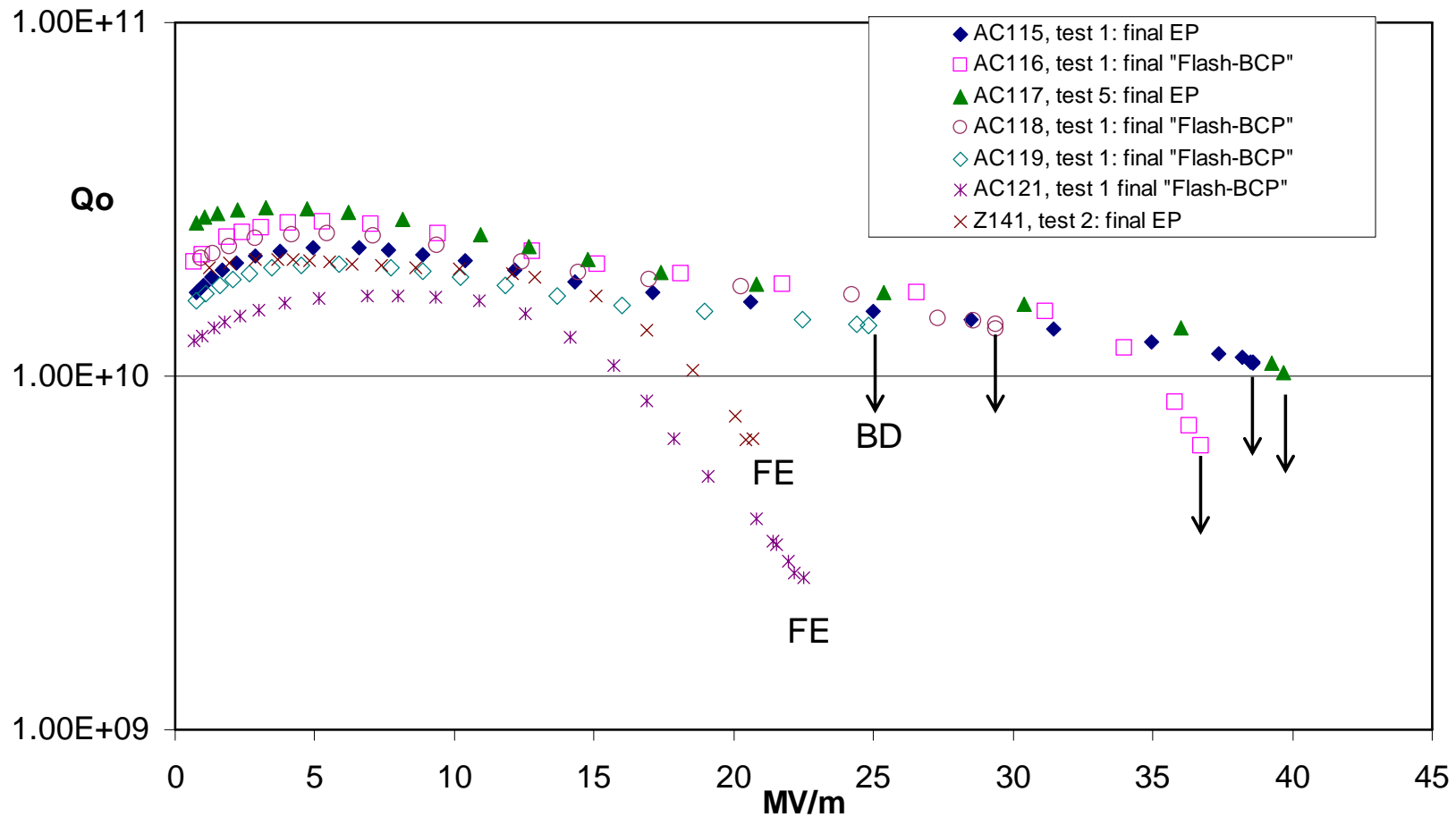


Overview

- Module Tests
 - **Preparing for M8 test**
- Nine-cell 'standard' results
 - **Result from 6th production**
 - **Example of Defective cavities: Z141**

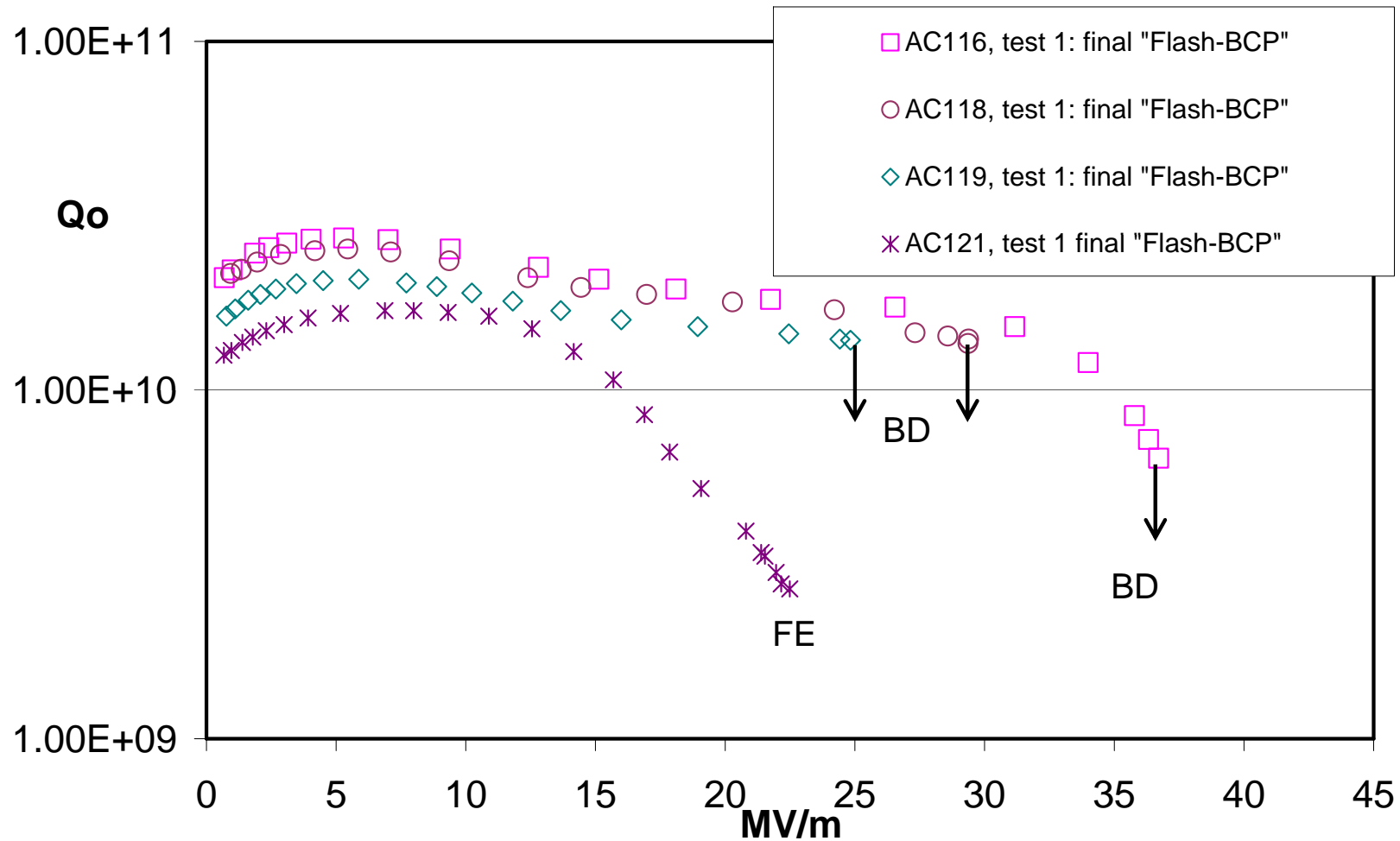


All 6th Production Cavities



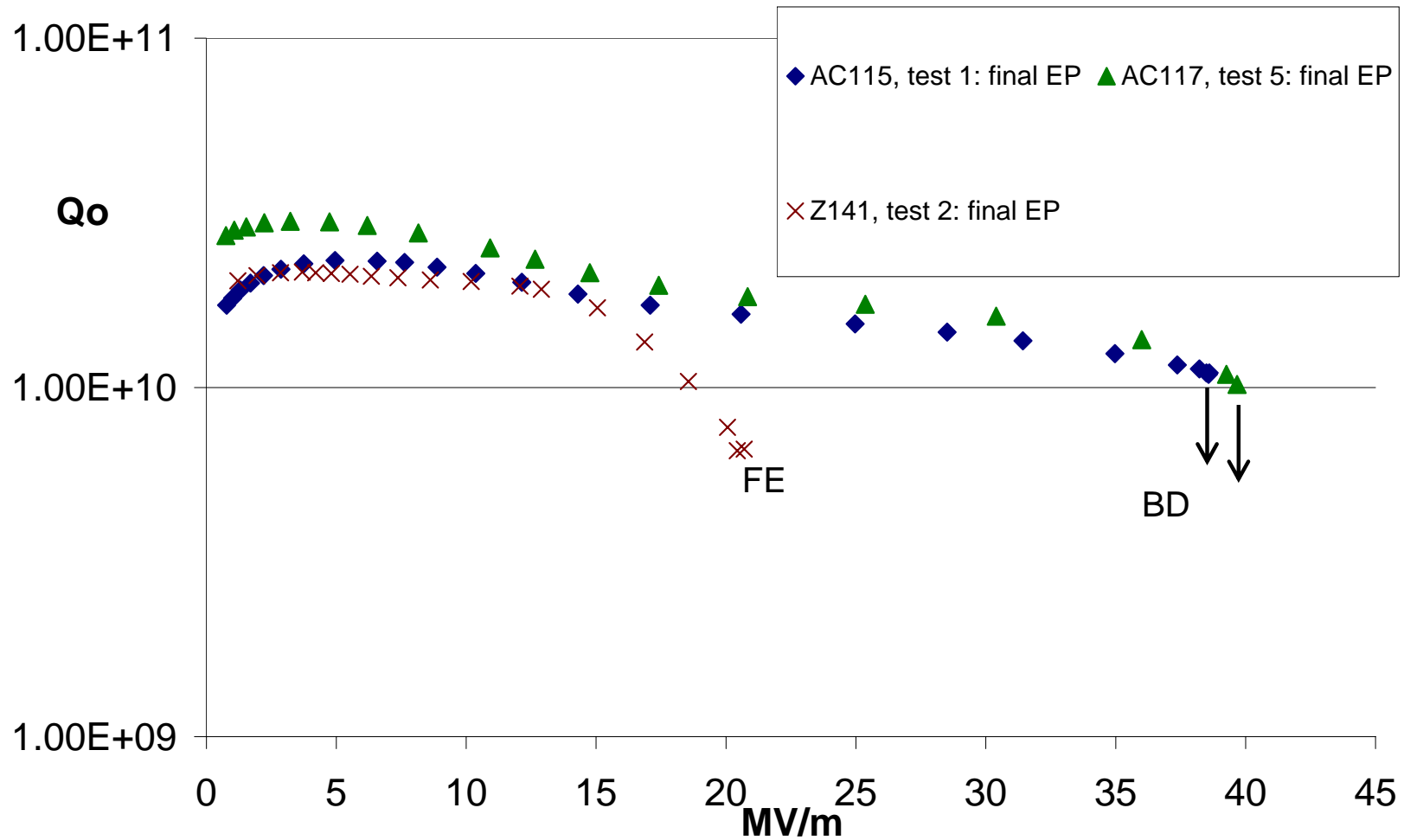


6th production cavities: BCP





6th Production cavities : EP



Z141: TEST 3, 11.06.2008

Goal:

To check last production of the Zanon cavities, after a flash BCP treatment.

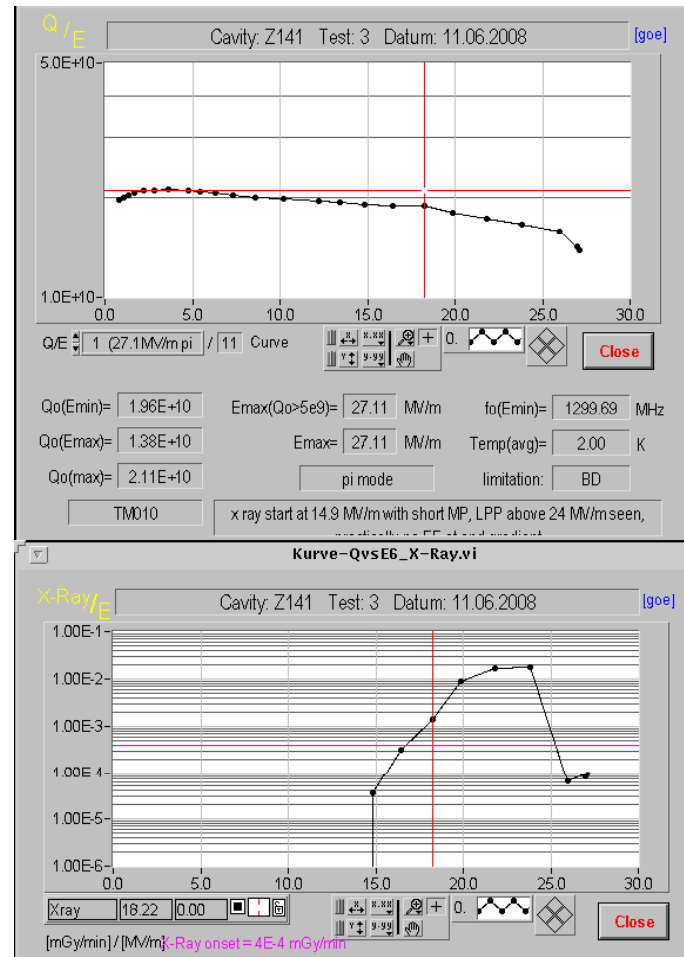
Preparation:

After 10 μm BCP, 7 x HPR, kept at 80-150 K for 17 hours.

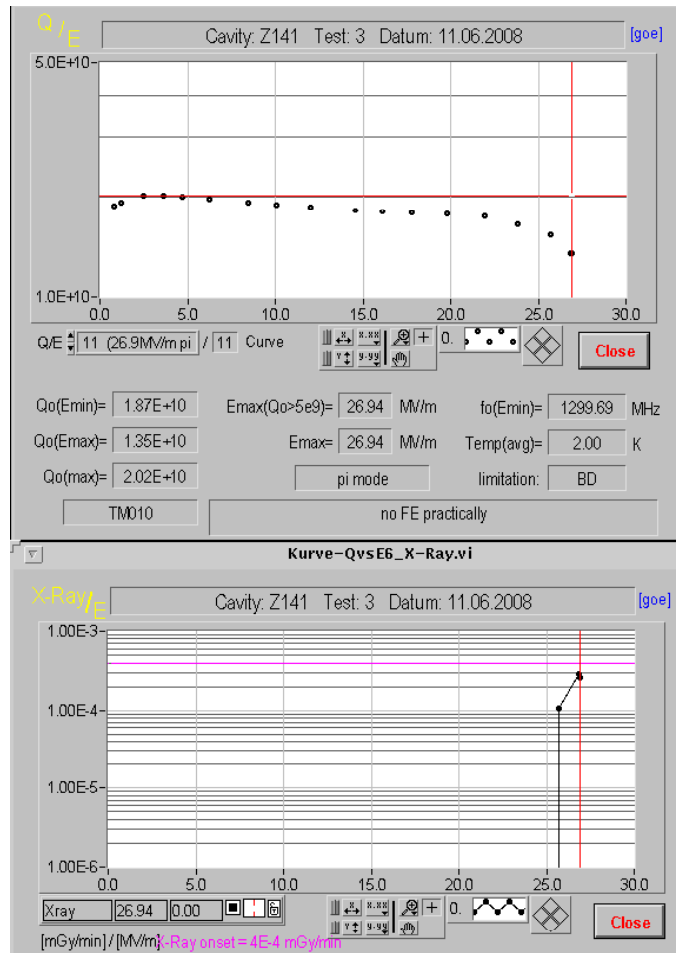
Results:

$E_{\text{acc}}=27.0$ MV/m, $Q_0=1.3 \times 10^{10}$, BD, low FE at end gradient. In 1st run FE started at 15 MV/m, at 24 MV/m LPP

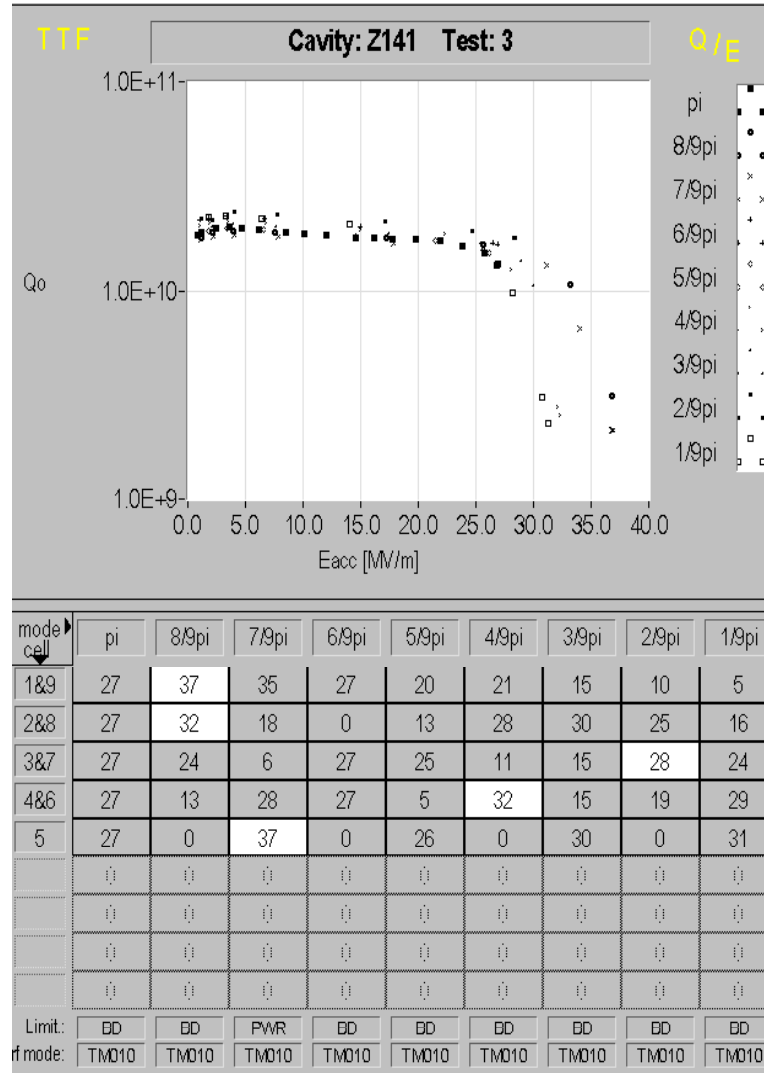
1st Pi mode measurement



Pi mode after modes measurement



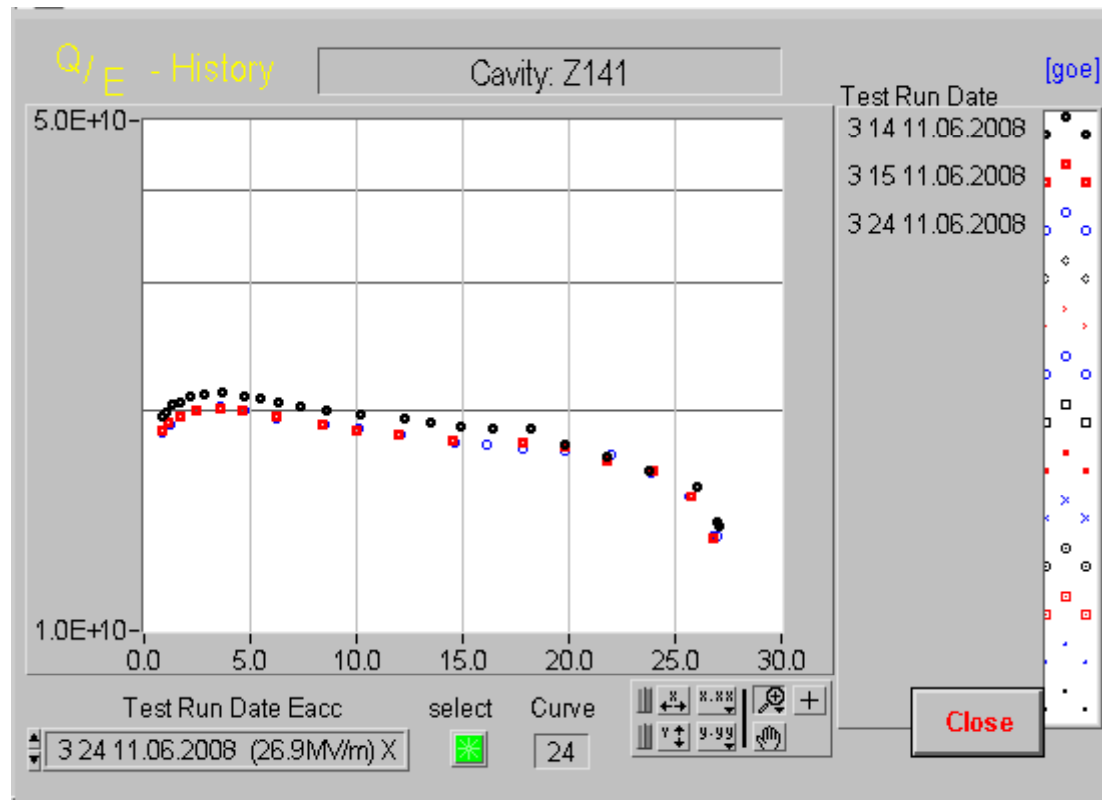
Quench table :



Date Event

Krzysztof Twarowski

History of test 3 :



History of all tests :

