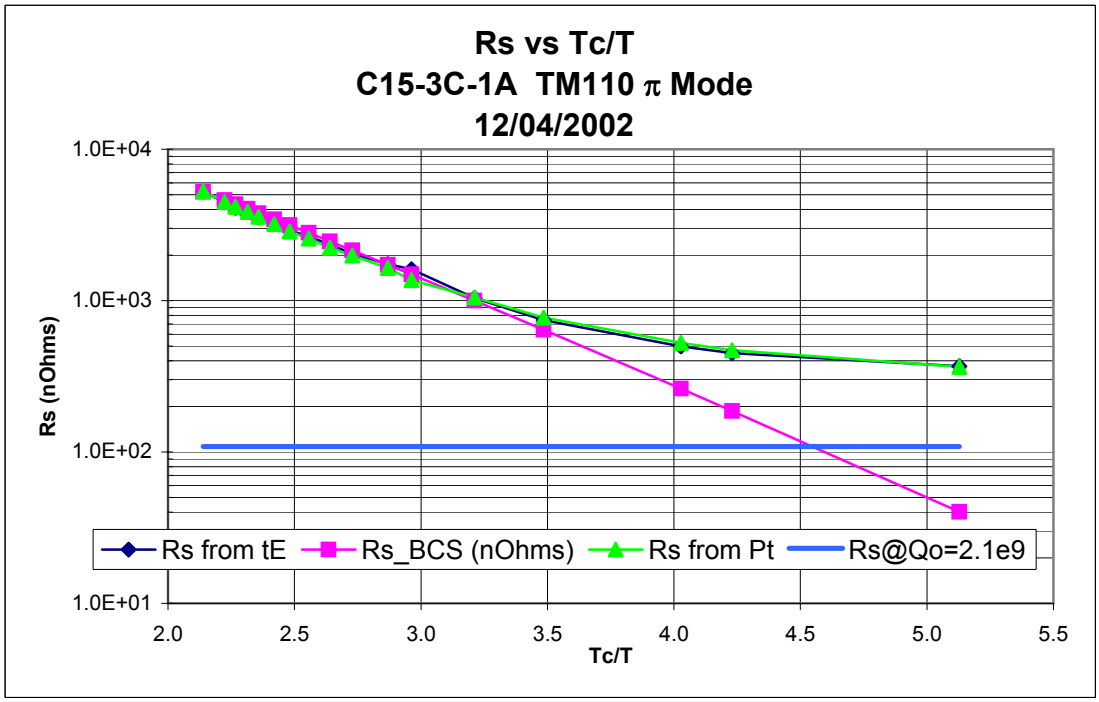
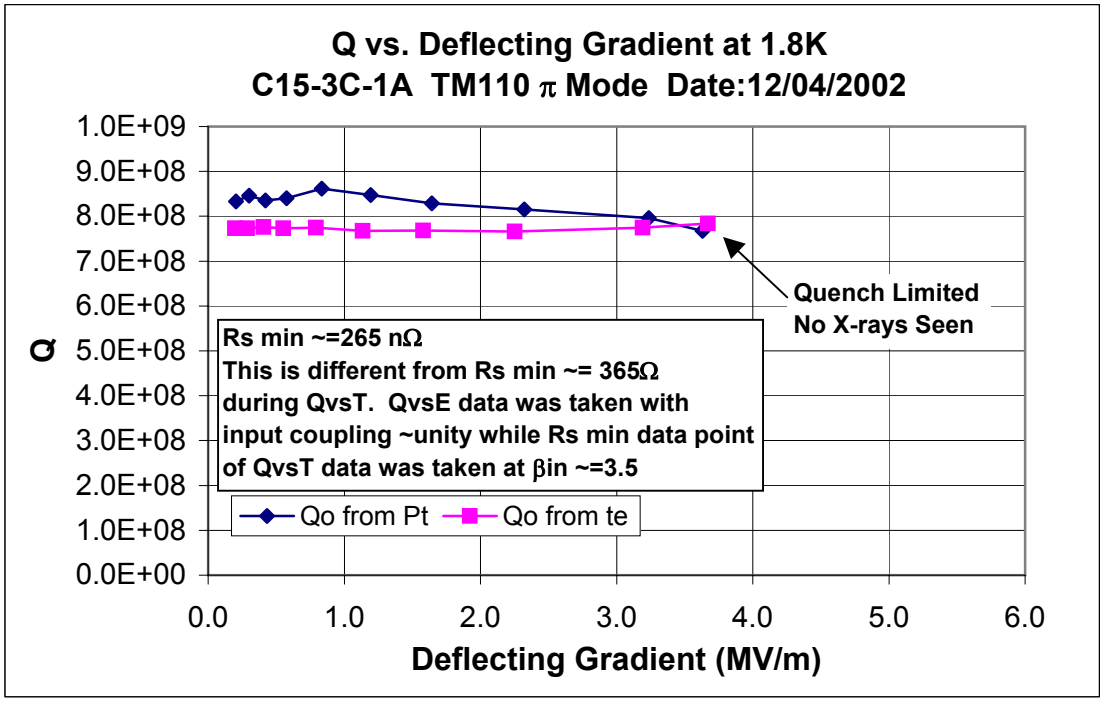

Rs vs Tc/T
C15-3C-1A TM110 π Mode
12/04/2002
1.0E+04
1.0E+03
1.0E+02
1.0E+01
Rs (nOhms)
Rs from tE
Rs_BCS (nOhms)
Rs from Pt
Rs@Qo=2.1e9
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
Tc/T


Q vs. Deflecting Gradient at 1.8K
C15-3C-1A TM110 π Mode Date:12/04/2002
1.0E+09
9.0E+08
8.0E+08
7.0E+08
6.0E+08
5.0E+08
4.0E+08
3.0E+08
2.0E+08
1.0E+08
0.0E+00
Q
Quench Limited
No X-rays Seen
Rs min ~=265 nΩ
This is different from Rs min ~= 365Ω
during QvsT. QvsE data was taken with
input coupling ~unity while Rs min data point
of QvsT data was taken at βin ~=3.5
Qo from Pt
Qo from te
0.0
1.0
2.0
3.0
4.0
5.0
6.0
Deflecting Gradient (MV/m)