



# Cornell High-Q update

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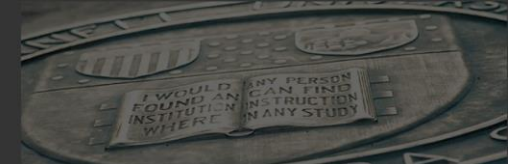
TTC High-Q Working Group Meeting 3Nov2016



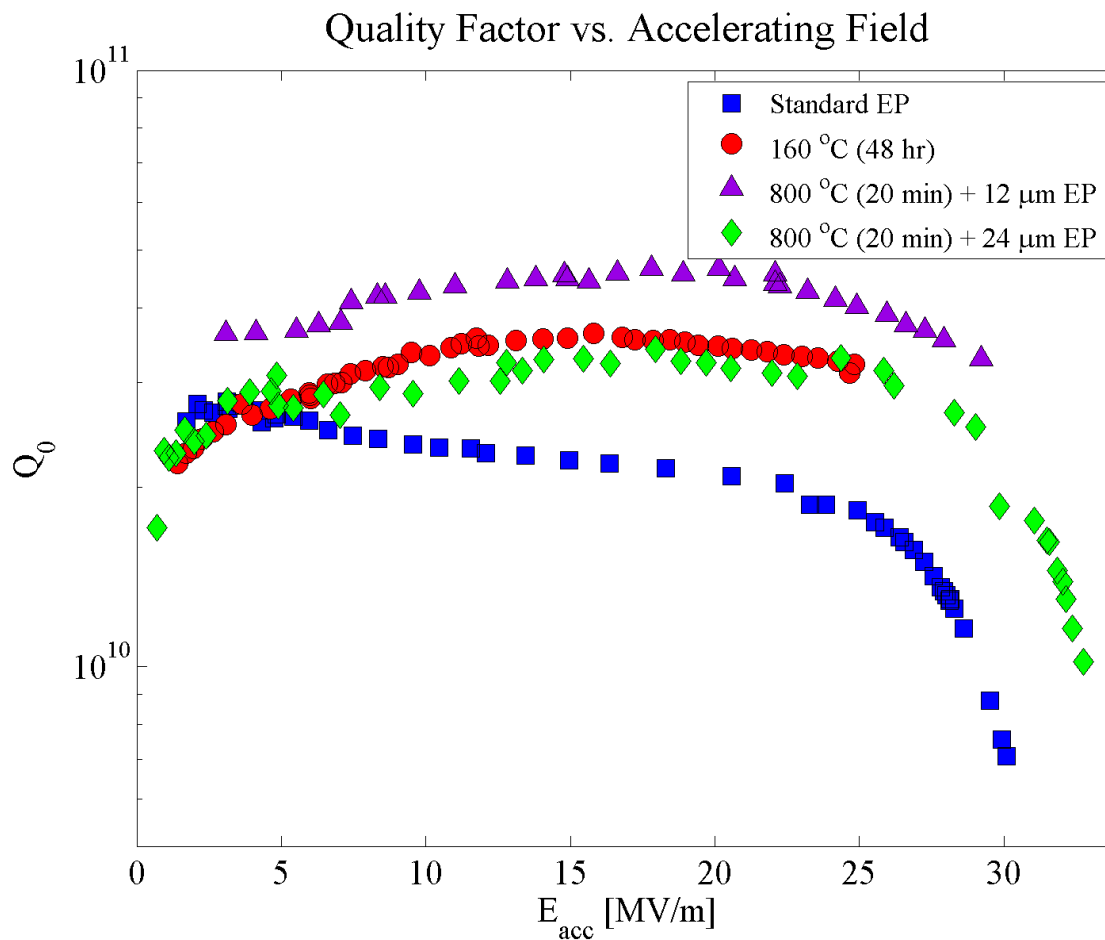
# Low T Nitrogen Baking Results

- LTE1-4:
  - 800 °C (12 hr: UHV)
  - 160 °C (48 hr: N<sub>2</sub>)
  - 160 °C (168 hr: UHV)
- Material Parameters:
  - $R_0 = 3 \text{ n}\Omega$
  - $\Delta/k_B T_c = 1.933$
  - $l = 7.5 \text{ nm}$  (looks like a heavy dope)
  - $\lambda = 56 \text{ }\mu\text{m}$

Presented at Linac2016  
TUPRC025

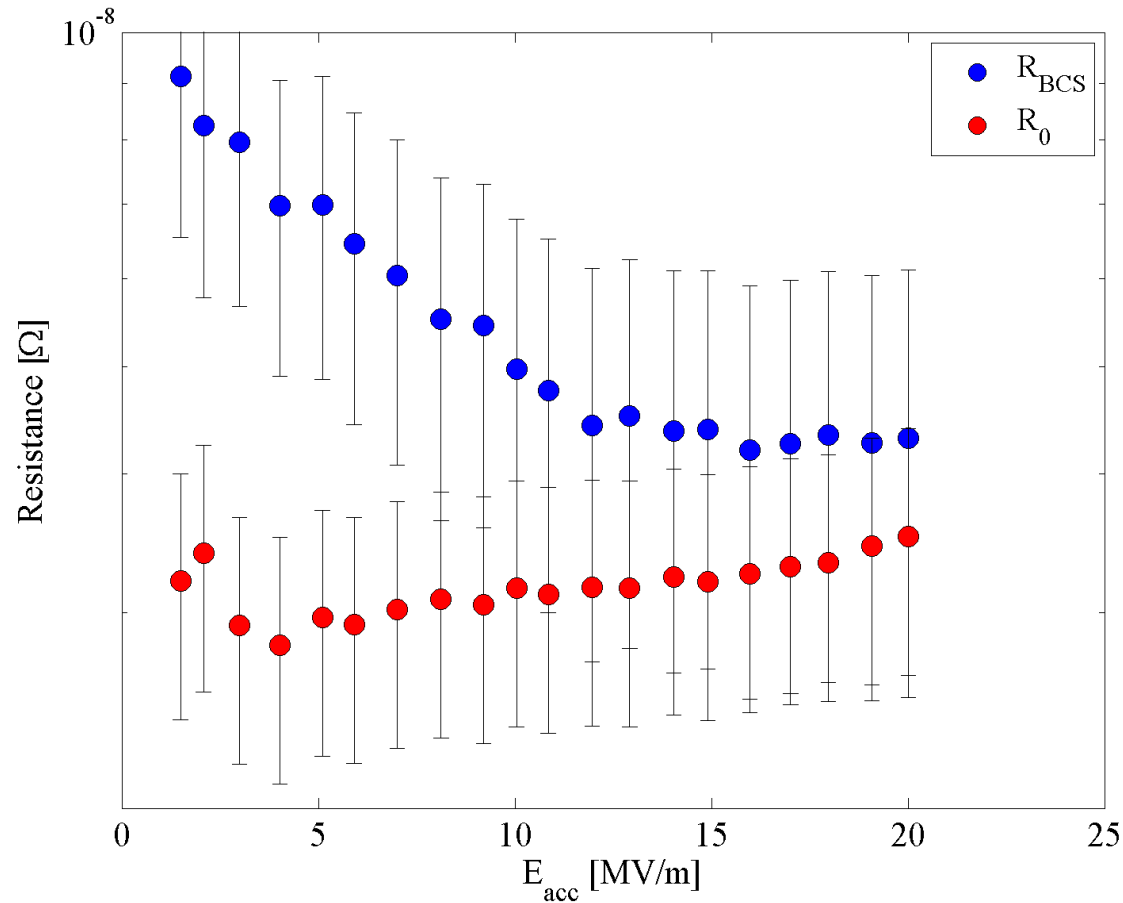


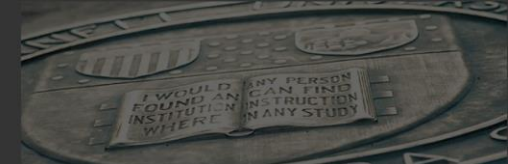
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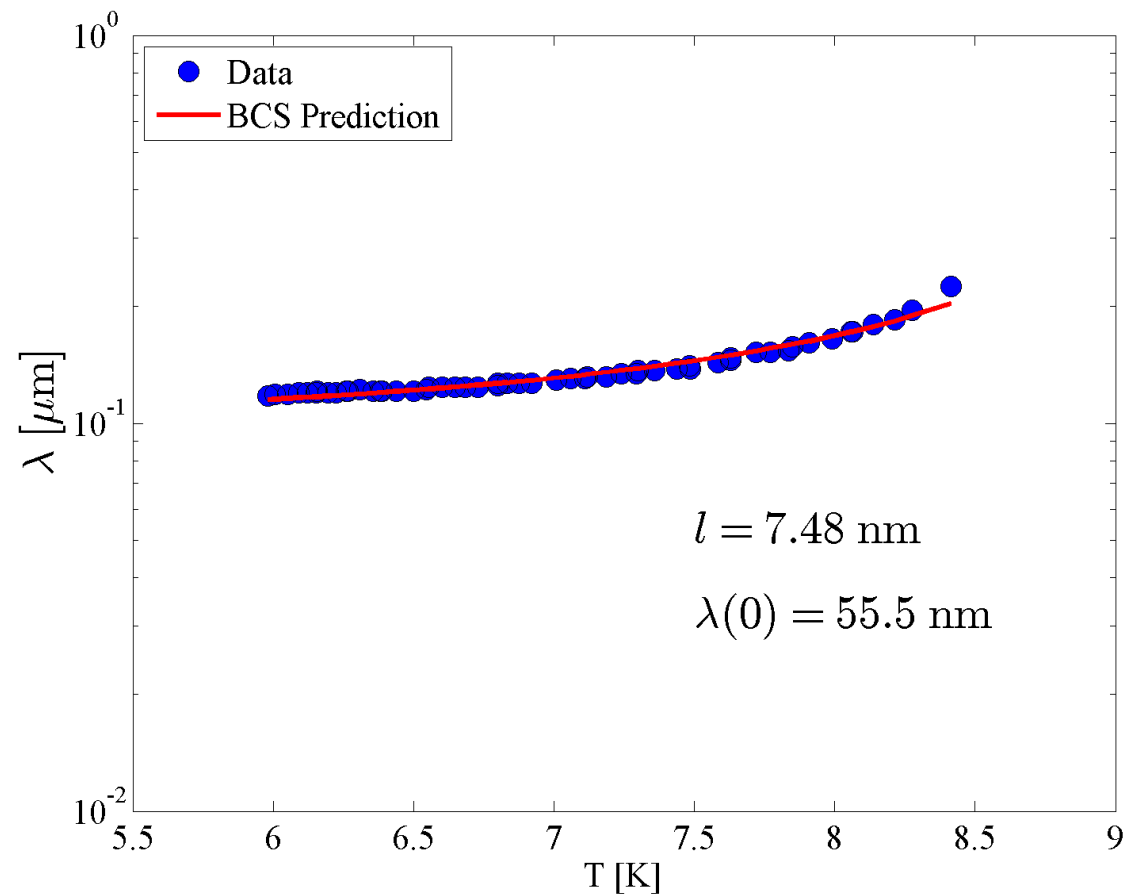


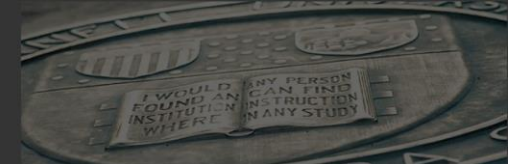
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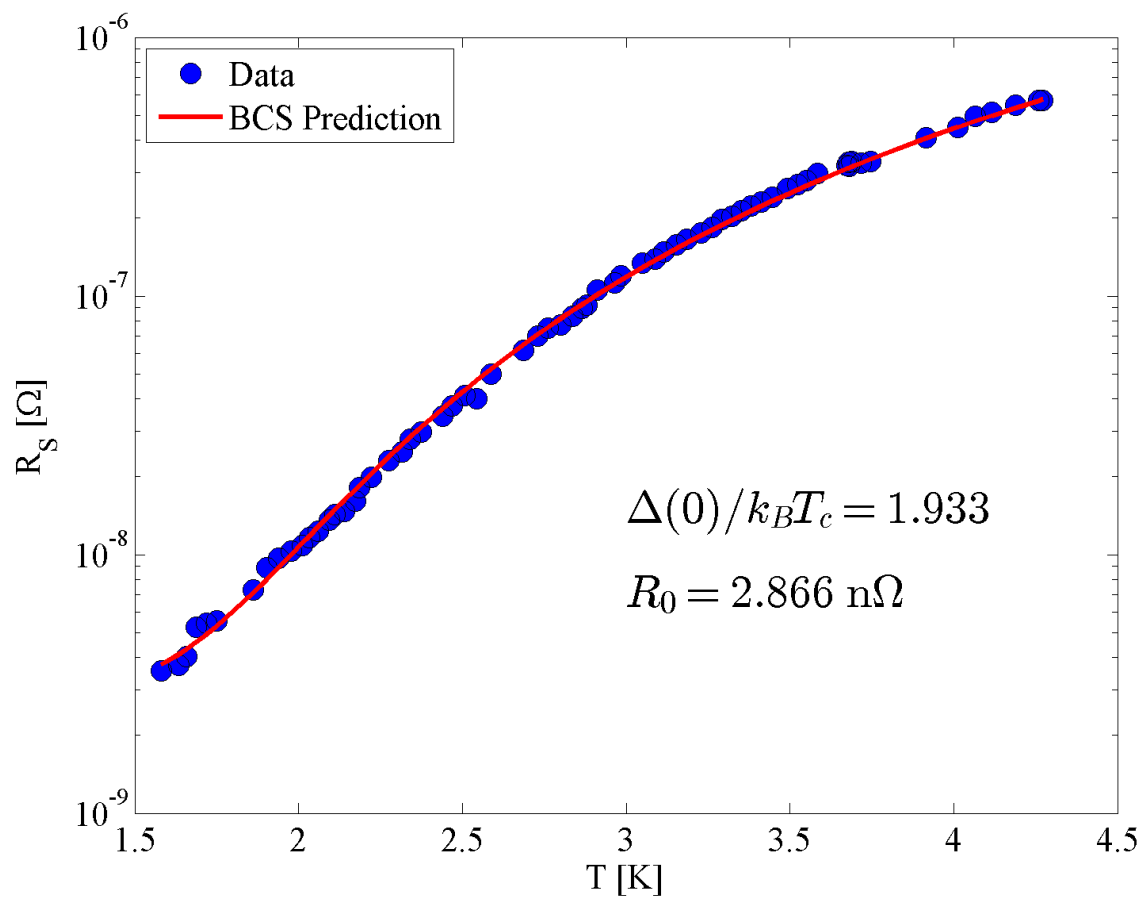


# Low T Nitrogen Baking Results





# Low T Nitrogen Baking Results



Data taken at  $E_{acc}=4.5\text{MV/m}$ .