







Surface Mapping of Nb_3Sn with Scanning PCT and Raman

Nb₃Sn: PCT-2 C. Becker, S. Posen et al APL 106 082682 (2015)

Argonne









Observation of Surface NbC by Raman Microscopy and TEM Carbonaceous Impurities Commonly Observed in Processed Nb Important to Combine Surface Probes SEM, TEM, Raman, AFM, PCT To Completely Understand the Surface

NbC seen in TEM

NbC seen in Raman



Line scan across a surface blemish

C. Cao et al, PR STAB 16 (2013)





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PCT as a Probe of New SRF Cavity Materials with Superconducting Gap >Nb₃Sn

Nodeless FS-dependent SC gap in $Ba_{0.6}K_{0.4}Fe_2As_2$ (T_c = 37K)



