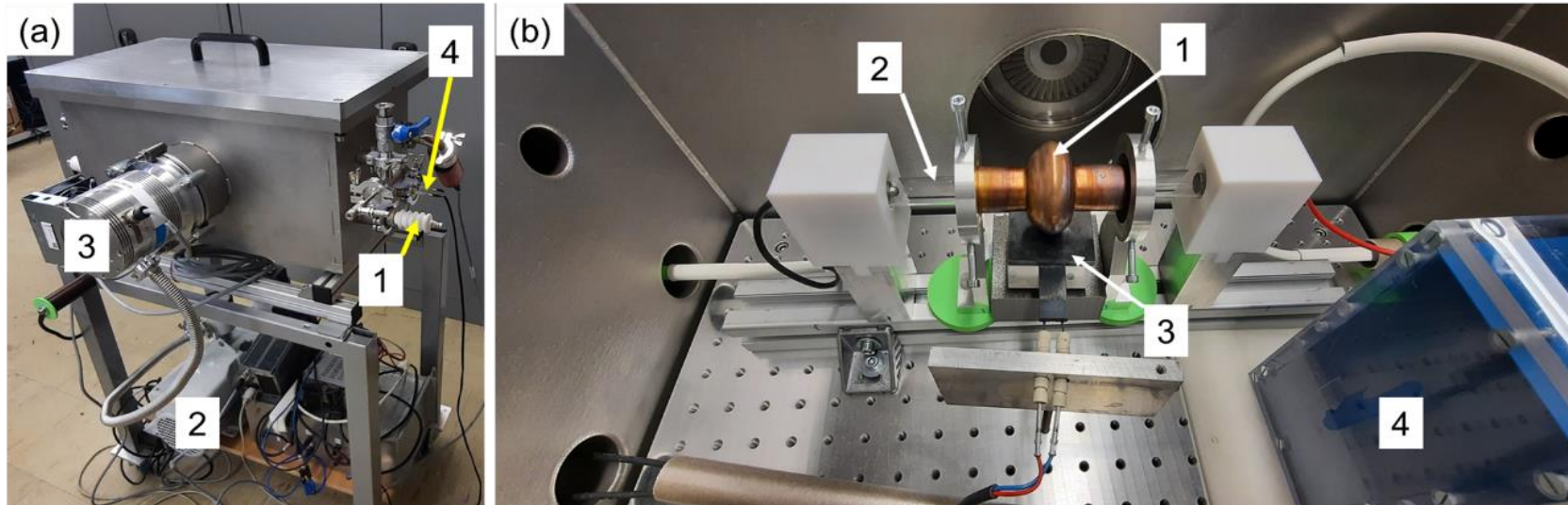




Meeting 12-02-2025

- FLA system is ready to flash 6 GHz cavity



Flash lamp annealing system for the high temperature treatment of 6 GHz or 1.3 GHz cavities. (a) shows the external view of the FLA chamber. 1 and 4 shows the electrical connections to the Xe-lamp and preheating system, respectively, while 2 and 3 are pre-vacuum and turbo -molecular pumps, respectively. (b) shows inner view into the chamber. 1 is the 6 GHz cavity, 2 is the Xe-lamp, 3 is the preheating plate and 4 is high voltage ignition system for the Xe-lamp.

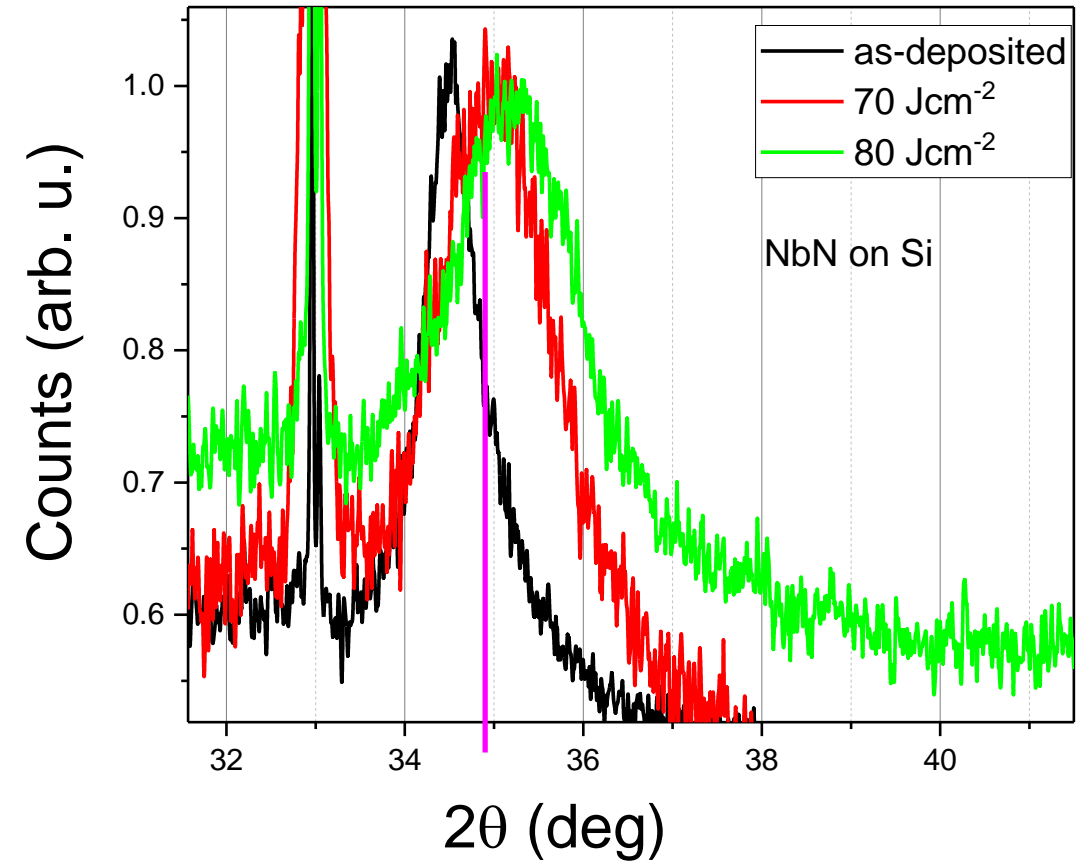
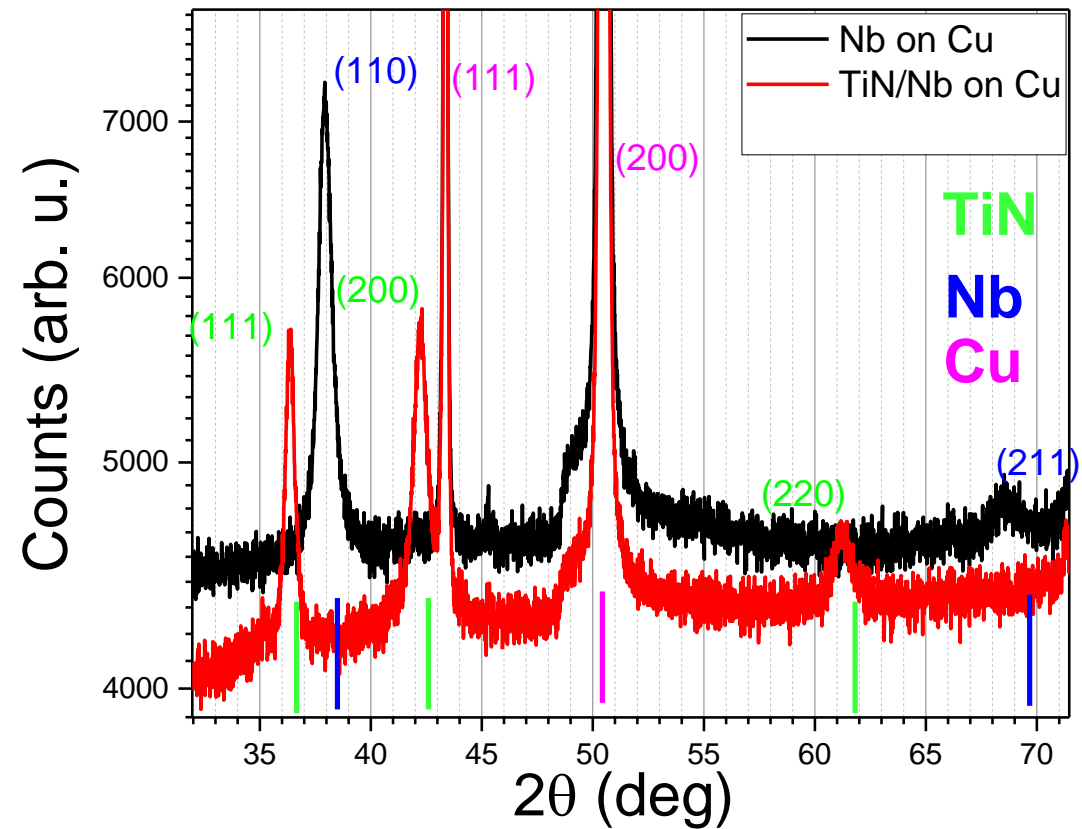
Mobile-FLA

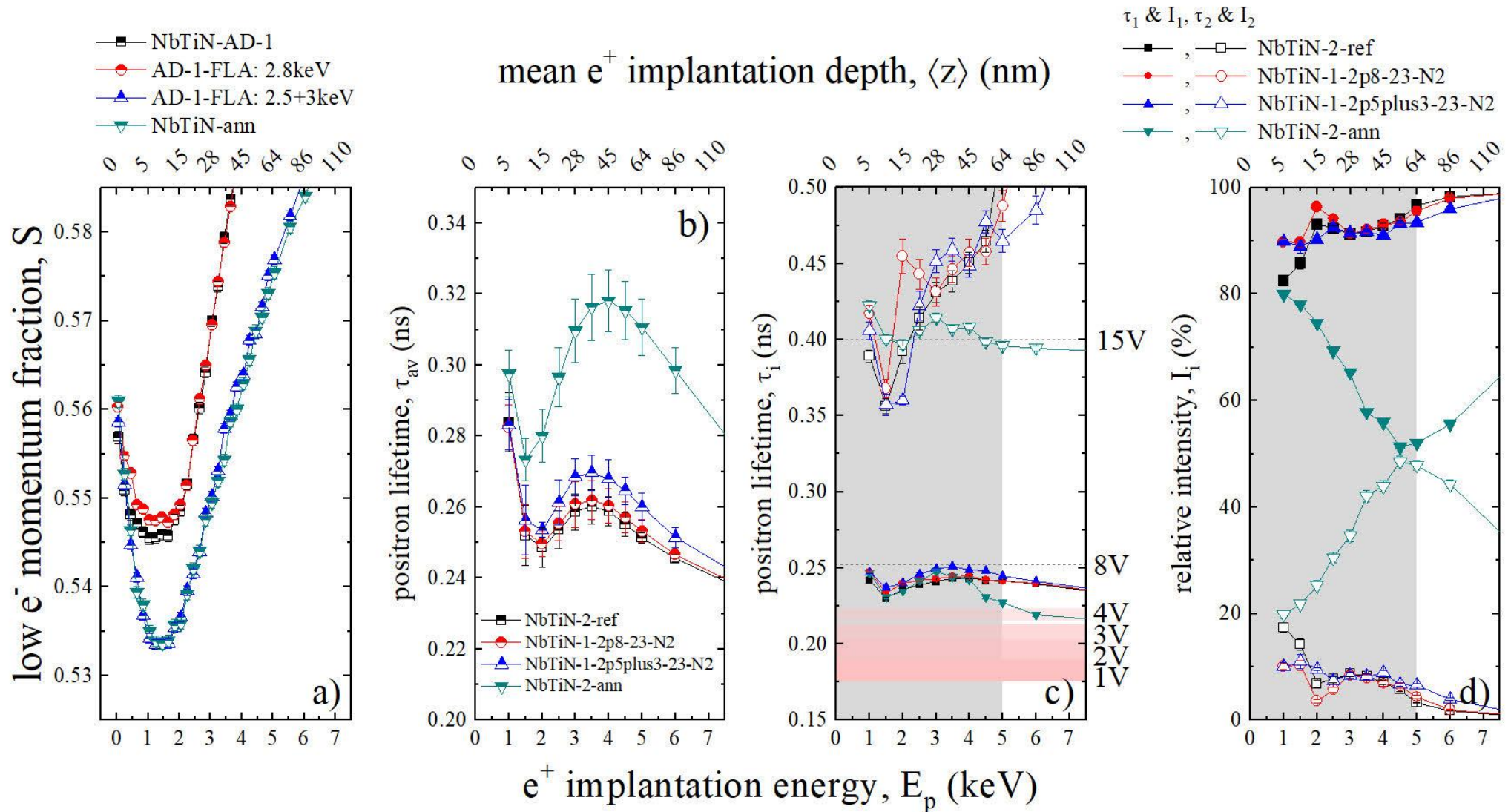


The concept is upgraded to Mobile-FLA

The FLA module on the top with quartz window allows to anneal different samples in vacuum or controllable atmosphere and Mobile-FLA become a part of BlitzLab, the initiative developed at Helmholtz-Zentrum Dresden-Rossendorf (<https://www.blitzlab.de/>)

SC films at HZDR by magnetron sputtering





Samples from Marc Wenskat DESY made by ALD on Si.
 PALS and DB made by Oskar Liedke at HZDR

iFAST

Thank you



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