

The quest for high gradient and high Q in SRF cavities

Friday 30 August 2024 11:00 (30 minutes)

The SRF world has made considerable advances in the last 15 years on the performance of bulk niobium cavities. Processing recipes like N-doping and 120C baking are now being accepted as standard and consistently delivered by industry. New treatments like mid-T baking are now being incorporated into some project processing recipes as well. Thin film research is advancing with the mission to pave the way to performance beyond bulk niobium. This talk should give a summary of present performance with a glimpse towards the fundamental processes at play in the treatments of today and some thoughts towards future directions.

Footnotes

Funding Agency

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