

Making Nb₃Sn Film

Tuesday, August 15, 2017 10:30 AM (20 minutes)

Supervisor: Sam Posen

The research division's goal is to create and use Nb₃Sn in SRF Cavities because of their more efficient superconducting properties. The goal of my project is to use COMSOL simulations to predict geometric locations of tin vapor as it arrives onto the inner surface of a niobium SRF Cavity. The simulations are devised to help further the design procedures that will help achieve the overall goal of uniform Nb₃Sn formation.

Presenter: Mr RIDGWAY, Robert (University of Illinois at Chicago)