

Superconducting RF Structures

Tuesday 11 March 2008 11:00 (1h 30m)

Standing wave accelerating structures: fundamental mode, higher order modes, dispersion of multi-cell cavities, field distribution, shunt impedance, numerical codes, coupling and tuning

RF superconductivity: surface impedance, BCS surface resistance, residual losses, defect induced quench, electron loading, magnetic field limit, materials and surface preparation

Session Classification: Lectures