

X-band High Gradient Research and a Two-Beam Test Facility at SLAC

Tuesday 2 December 2008 08:30 (30 minutes)

In this presentation I will present a summary of the high-gradient accelerator structure efforts which have been done recently at SLAC. These include geometrical, materials, surface processing and theoretical and modeling studies. I will also discuss a possible test facility at SLAC which takes advantage of the SLAC linac infrastructure and klystrons to produce a 1 GeV, 10 A drive beam to drive a 30 GeV, 100 MeV/m X-band test accelerator.

Presenter: Prof. RUTH, Ronald

Session Classification: Plenary Session (Chair T. Garvey)