

5th Collaboration Meeting on X-band Accelerator Structure Design and Test Program

Agenda (updated 5-17-2011, 16:30)

Time	1st day May 16 Monday	2nd day May 17 Tuesday	3rd day May 18 Wednesday
8:30	Registration		
9:00	Status reports	High power facilities	Theory basic/general on vac arc
	10 Welcome (S. Tantawi)	20 Two-Beam test stand results (E. Adli)	20 Breakdown studies at the Helsinki Institute of Physics (K. Nordlund)
	30 Future directions of the CLIC rf development program (W. Wuensch)	20 Using 5 MW klystrons for structure testing and FELs (I. Syratchev)	20 Some investigations of the field enhancement factor (T. Abe)
	30 R&D status and future strategy in KEK X-band area (T. Higo)	20 High Power Tests at Klystron Lab (V. Dolgashev)	20 Damage Studies (Juwen Wang)
		10	10
10:10	Break	Break	Break
10:30	Status Reports (cont'd); Design	High power facilities	Theory basic/general on vac arc
	30 X-Band Status at SLAC (S. Tantawi)	20 The Frascati C-band structure and the high-power test of the cavity at KEK (B. Spataro)	20 A tool-kit of physical models for the study of breakdown in accelerator structures (P. Wilson)
	30 Status of X-Band Program at RadiaBeam (L. Faillace)	20 High-power test of the Frascati C-band cavity at KEK (S. Verdu-Andres)	20 Dark Current Observations in the T-18 Resonant Ring (J. Lewandowski)
	30 CLIC DDS developments (R. Jones)	20 X-Band High Power Testing in NLCTA (Faya Wang)	20 T-18 Recirculating Ring (J. Haimson)
		10	10
11:40	Lunch	Lunch	Lunch
13:00	Design & Simulation	High Power Components	Surface evaluation
	30 Empty (due to late lunch)	20 Development of X-Band Dielectric PETS (Chunguang Jing)	20 SEM FE Probe Surface Science Studies (L. Laurent)
	20 ACE3P Simulations of Wakefield Coupling in the CLIC Two-Beam-Accelerator (A. Gandel)	20 Beam based testing of PETS at the TBL (S. Doebert)	20 Discussion of creating "perfect surface"
	20 Very Low Beam Loading Linac Optimization (Faya Wang)	20 Waveguide components developed for CLIC (I. Syratchev)	20 X-Band RF Power Sources for Accelerator Applications (L-3)
		10	10
14:10	Break	Break	Break
14:30	Design & Simulation (cont'd)	Collaboration issues	Discussions and Summary
	20 Update on Design of Parallel Feed System for Standing-wave Accelerator Structure (J. Nielson)	20 The Next Generation of the Compact X-Band Linac for Medical and Industrial Applications (Tanabe)	20 Discussion of High Gradient Structures (T. Higo)
	20 Recent analysis of high-gradient experiments (W. Wuensch)	20 T24 results and comparison to the preceding studies on CLIC prototype structures (T. Higo)	20 Discussion on standardized high-power X-band flange (W. Wuensch)
	20 X-Band Dual-Mode Cavity (D. Yermian)	30	20 Summary (S Tantawi?)
	10		
15:40	Break	Break	Adjourn
16:00	Discussions	Fabrication and Installation	Tour of Test Facilities
	60 Discussion of Test Areas	20 Production of X-band structures at CERN (G. Riddone)	Klystron
		20 Discussion on Fabrication (Juwen Wang)	NLCTA
		20	
17:00			
17:30		Banquet	