

SCHEDULE FOR WG3 TALKS, HIGH GRADIENT & EM STRUCTURE BASED ACCELERATORS

TUESDAY

MORNING SESSION (10:30 AM – 12:00 PM), ACCELERATOR GRADIENT LIMITATION - I

		Speaker	Title
1	10:30–11:00	S.G. Tantawi	Progress on High Gradient Accelerator Structure Research
2	11:00–11:20	V.A. Dolgashev	Status of High Gradient Tests of Normal Conducting Single-Cell Structures.
3	11:20–11:40	J. Haimson	Design Features and Initial RF Performance of a Gradient Hardened 17GHz TW Linac Structure.
4	11:40–12:00	J. Norem	Breakdown Proof RF Cavities

AFTERNOON SESSION (1:30 PM – 3:00 PM), RF BREAKDOWN SIMULATIONS – JOINT SESSION WITH WG2

		Speaker	Title
1	1:30–1:50	J. Norem	A Model of RF Breakdown
2	1:50–2:10	Z. Yusof	Vacuum Breakdown Modeling in RF Fields
3	2:10–2:30	P. Stoltz	3D multipacting simulations in high gradient structures
4	2:30–2:50	J. DeFord	Progress in Dark Current and Multipacting Modeling Support in the Analyst Finite-Element Software Package

AFTERNOON SESSION (3:30 PM – 5:00 PM), HG COLLABORATION MEETING

WEDNESDAY

MORNING SESSION (10:30 AM – 12:00 PM), DIELECTRIC ACCELERATOR STRUCTURES

		Speaker	Title
1	10:30–11:00	M. Conde	High Gradients in Dielectric Loaded Wakefield Structures
2	11:00–11:20	C. Jing	Update on the Development of Externally Powered Dielectric-Loaded Accelerating Structures
3	11:20–11:40	S.H. Gold	Development of a Compact Dielectric-Loaded Test Accelerator at 11.4 GHz
4	11:40–12:00	P. Schoessow	CVD Diamond Dielectric Accelerating Structures

AFTERNOON SESSION (1:30 PM – 3:00 PM), RF COMPONENTS

		Speaker	Title
1	1:30–2:00	S.Yu. Kazakov	State of the art development of high power RF components for collider applications
2	2:00–2:20	S.Yu. Kazakov	Fast high-power microwave ferroelectric phase shifters for accelerator applications
3	2:20–2:40	A. Kanareykin	Ferroelectric Based Technologies for Accelerators
4	2:40–3:00	A. Kanareykin	Development of a Ferroelectric Based Tunable DLA Structure

THURSDAY

MORNING SESSION (10:30 AM – 12:00 PM), DIELECTRIC WAKEFIELD ACCELERATORS– JOINT SESSION WITH WG4

		Speaker	Title
1	10:30–10:50	J.L. Hirshfield	Two-channel rectangular dielectric wake field accelerator structure experiment
2	10:50–11:10	T.C. Marshall	Analysis of a Symmetric Terahertz Dielectric-Lined Rectangular Structure for High Gradient Acceleration.
3	11:10–11:30	J. Rosenzweig	E-169 High Gradient Dielectric Wakefield Acceleration Experiments at FACET
4	11:30–11:50	Gil Travish	Production and Measurement of Gigavolt-per-Meter Fields in Electron-Beam-Driven Dielectric Structures

AFTERNOON SESSION (1:30 PM – 3:00 PM), ACCELERATOR GRADIENT LIMITATIONS - II

		Speaker	Title
1	1:30–2:00	N. Solyak	Acceleration gradient limitations in room-temperature and superconducting acceleration structures
2	2:00–2:20	M. Taborelli	DC breakdown experiments and models
3	2:20–2:40	F. Wang	Breakdown Characteristics of the CLIC T18 X-band Structure
4	2:40–3:00	A. Kanareykin	An L-Band Superconducting Traveling Wave Accelerating Structure With Feedback

AFTERNOON SESSION (3:40 PM – 3:00 PM), ROOM TEMPERATURE ACCELERATION

		Speaker	Title
1	3:40–4:00	C. Nantista	The Zipper Structure: A Novel Accelerator Structure Configuration
2	4:00–4:20	M.A. Shapiro	Design of advanced photonic bandgap accelerator structures.
3	4:20–4:40	R.A. Marsh	Photonic Bandgap Accelerator Experiments
4	4:40–5:00	M.A. LaPointe	First experiments at the Yale Ka-band test facility

FRIDAY

MORNING SESSION (10:30 AM – 12:00 PM), SOURCES, DIELECTRIC POWER EXTRACTORS, ETC.

		Speaker	Title
1	10:30–10:50	N. Solyak	Seventh-harmonic multi-MW K-band frequency multiplier: RF source for high-gradient accelerator R&D
2	10:50–11:10	F. Gao	7.8GHz high power generation and extraction with a dielectric loaded waveguide
3	11:10–11:30	C. Jing	Development of 26GHz Dielectric-Based Wakefield Power Extractor
4	11:30–11:50	O.V. Sinitsyn	Self-consistent non-stationary theory of multipactor in DLA structures

AFTERNOON SESSION (1:30 PM – 3:00 PM), WAKEFIELDS,

		Speaker	Title
1	1:30–1:50	A. Kanareykin	Beam Breakup Effects in Dielectric Based Accelerators
2	1:50–2:10	S.Yu. Kazakov	Multi-mode, multi-frequency, two-beam accelerator structure
3	2:10–2:30	C. Jing	Development of Transverse Mode Damped DLA Structure
4	2:30–2:50	G.Werner	Wake Fields in Photonic Crystal Accelerator Structures
5	2:50-3:10	E.R. Colby	E163: Results of the First Experiments