

TESLA Technology Collaboration (TTC)

Tuesday, November 6, 2012

WG-2 High gradient and high Q0 cavity developments - CEBAF Center Auditorium (11:00 AM - 12:30 PM)

-Conveners: Yasuchika Yamamoto; Denis Kostin; Gianluigi Ciovati

time	[id] title	presenter
11:00 AM	[49] Strategy and Status of Reference Cavities for European XFEL	Dr SULIMOV, Alexey Dr KOSTIN, Denis
11:15 AM	[50] IHEP ILC cavity R&D status	Dr ZHAI, Jiyuan
11:30 AM	[51] Experience with Vertical EP and comparison to horizontal EP	Dr EOZENOU, Fabien
11:45 AM	[52] Recent results on high gradients at Cornell, including best cell shapes, reentrant multi-cell cavities, and VEP optimization	FURUTA, Fumio
12:00 PM	[53] Results on second sound method	Dr PLOUIN, Juliette
12:15 PM	[54] Field emitter localization in a 9-cell cavity via X-ray mapping	Mr LI, Yongming

WG-2 High gradient and high Q0 cavity developments - CEBAF Center Auditorium (2:00 PM - 4:00 PM)

-Conveners: Gianluigi Ciovati; Denis Kostin; Kirk Yamamoto

time	[id] title	presenter
2:00 PM	[55] Parameter search of EBW condition for high gradient application	Dr KUBO, Takayuki
2:15 PM	[56] Statistics on quench locations of 1.3 GHz cavities at DESY	SCHLANDER, Felix
2:30 PM	[57] Quench studies of a seamless 9-cell and comparison with welded cavities	Dr PALCZEWSKI, Ari
2:45 PM	[58] Improvement of cavity performance by T-map, optical inspection and local grinding	Dr YAMAMOTO, Yasuchika
3:00 PM	[59] Inspection and treatment of cavity surface at DESY	Dr NAVITSKI, Aliaksandr
3:15 PM	[77] Surface roughness studies and implications on cavity performance	XU, Chen
3:30 PM	[79] Theoretical field limits, promises for new materials, and Nb ₃ Sn work at Cornell	POSEN, Sam
3:45 PM	[78] Impurities of rare earth element in ingot Nb as a potential way to improve the cavity	HE, Feisi