8th International Workshop on Mechanisms of Vacuum Arcs (MeVArc 2019)

Monday, 16 September 2019

Poster: # 1 (17:30 - 19:00)

time	[id] title	presenter
17:30	[91] Why Murphy-Good plots are better than Fowler-Nordheim plots	Dr FORBES, Richaard
17:35	[99] Modeling the Role of Effective β on Vacuum Breakdown Initiation: Scaling from Micro to Macro Dimensions	Dr JINDAL, Ashish
17:40	[90] Using Fowler-Nordheim plots to measure characteristic local field values	Dr FORBES, Richard
17:45	[111] Field-emission investigations of micro-structured stainless steel 1.4301 (ASTM 304) for application of vacuum components as very large FE cathode arrays	Dr KNAPP, Wolfram
17:50	[83] Negative ion beam extraction in an RF hydrogen plasma with Cs seeding	Dr PARK, Min
17:55	[107] Dark current fluctuation measurements the pulsed DC system	Mr PASZKIEWICZ, Jan
18:00	[113] Commissioning of IFIC High Gradient RF Laboratory to test S-band accelerating structures for hadron-therapy accelerators.	BANON CABALLERO, David
18:05	[115] Combined Field Emission and Multipactor Simulation in High-Gradient RF Accelerating Structures	Mr BANON CABALLERO, David
18:10	[116] The smooth transition from field electron emission to glow discharge (as a pre-stage of glow-to-arc transition) - a novel approach for the detection	Dr KNAPP, Wolfram
18:15	[123] Recent technical improvements to and plans for ArcPIC	SJOBAEK, Kyrre Ness
18:25	[144] RF Breakdowns in the SPIDER experiment during its first operational phase	ZAMENGO, Andrea
18:30	[140] Field electron emission in an external magnetic field parallel to the surface	LEBEDYNSKA, Yuliia
18:35	[146] Investigations of the transition from field electron emission to plasma discharges (glow discharges and micro-arcs) with extended use of the Fowler-Nordheim plot	Dr KNAPP, Wolfram
18:40	[153] Direct Field Ionisation	CALATRONI, Sergio
18:45	[157] COMSOL simulation of the surface flashover in a MEMS insulator	GUO, Xiaoli

Thursday, 19 September 2019

Poster: # 2 (17:30 - 19:15)

time	[id] title	presenter
17:35	[114] Dark Current Analysis at CERN's X-band Facility	Mr BANON CABALLERO, David
17:40	[109] Development of the design technique with empirical scaling of vacuum insulation for electrostatic accelerators with large surface area and locally concentrated electric field for fusion application	Dr KOJIMA, Atsushi
17:45	[86] Electrode conditioning for prevention of DC arc formation in presence of a cold plasma background.	CAVAZZANA, roberto
17:50	[81] Limiting BD Power in a Pulsed DC System	SARESSALO, Anton
18:00	[61] Cathodic Arc Expansion in Low-Pressure Helium	BENTZ, Brian
18:05	[139] Electrical Design and Voltage Holding Analyses of the MITICA Beam Source Mock-up and its Intermediate Electrostatic Shield	PATTON, Tommaso
18:10	[141] Electric field devices for the EDM prototype ring	BORBURGH, Jan
18:15	[142] X-rays spectrum characterization during high voltage conditioning in .vacuum insulated system using high rate detectors	CROCI, Gabriele
18:20	[100] Optical Spectroscopy in the Large Electrode System at CERN	PEACOCK, Ruth
18:25	[145] Recent progress at pulsed dc systems	PROFATILOVA, Iaroslava
18:30	[148] Generalizing Models of Vacuum Arcs	NOREM, Jim
18:35	[149] Diffusion on metal surfaces under high electric fields	BAIBUZ, Ekaterina
18:40	[150] Machine learning for Cu surface kinetic Monte Carlo	KIMARI, Jyri
18:45	[151] STATISTICAL ANALYSIS OF CURRENT AND X-RAYS SIGNALS FOR A VACUUM HIGH VOLTAGE HOLDING EXPERIMENT	SPAGNOLO, silvia
18:50	[152] Breakdown Measurements in High-Gradient RF Test Stands	MILLAR, Lee
18:55	[154] Precision hign voltage platform for ion mass analysis	CAVENAGO, Marco
19:00	[158] Field estimation and the statistical analysis of dark currents	LACHMANN, Sagy Itschak