

2018 IEEE International Power Modulator and High Voltage Conference

Wednesday, 6 June 2018

Poster 3 - Power Modulator Systems and Applications - Buffalo/Moose (13:30 - 15:00)

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[64] Simulation study of switching over-voltage of UHVDC transmission system under hierarchical connection mode caused by typical faults		3P01
[61] A FEM-based simulation of electromagnetic forces on transformer windings under short-circuit	Mr ZHAO , Yi	3P02
[88] Discussion of Discharge Distribution in Reactor and Design of Reactor for Dense Ozone Production Using Nanosecond Pulsed Power	Mr UTSUMI, Yuki	3P04
[120] Activation of Endoplasmic Reticulum Stress Response by Applying of Nanosecond Pulsed Electric Fields for Medical Application		3P05
[233] Impedance Information from Different Electrode-pairs under four electrodes-Refecting the irreversible electroporation outcome	ZHAO, Yajun	3P06
[189] Life Review and Development of Thyatron in Linac Coherent Light Source	Dr CHEN, Xupeng	3P07
[173] Development, Implementation and Final Performance of the new PS Booster Distributor Generators (PFN, 6.3kV/1kA) with Fast Protection System		3P09
[42] Design and First Tests of a Cathode Ion Detector at Z (CIDZ) to Measure Positive Ion Current at the Convolute on the Z Machine		3P10
[19] An Innovative Method for generating High-Stability Flat-Top Pulsed Magnetic Field		3P14
[70] Electrical Characteristics of Low Voltage Compact Virtual Cathode Oscillator		3P15
[139] Interaction of water with Barium Titanate thin films and nanoparticles: Oxygen-deficient defects and hydrogen decorated surfaces	VAN GINHOVEN, Renee	3P16
[240] Pulsed Electric Field Processing of Fruits and Vegetables		3P17
[141] Nanosecond Electric Pulses for Anti-Cancer Treatment		3P18
[220] Experimental Demonstration of a Representative Rotary Motor and Linear Actuator Using Controlled Turn-less Structures Arrays Motors (CTM)		3P19
[255] Development of a compact, 240-kV, 10-J impulse generator for mobile platforms		3P22
[110] A Multiple Material Velocimetry Based Current Loss Detector for Pulsed Power Systems		3P25
[39] Improving the voltage modulation depth and RF power generated on Nonlinear Transmission lines	Dr SILVA NETO, Lauro Paulo	3P28
[182] Characterisation of a DBD plasma in dependence of its supply parameters for surface modification		3P29
[213] RF measurements to determine tranverse impedance of a linear accelerator cell		3P30

[177] RF Generation at 200 MHz Using a SiC Schottky Diode Lumped NLTL*	Dr ROSSI, Jose SILVA NETO, Lauro Paulo	3P31
[132] Analysis of Pulsed RF Signals Radiated from a Capacitive NLTL*	Dr ROSSI, Jose	3P32
[264] GAS TEMPERATURE DEPENDENCE ON PULSE FREQUENCY IN NANOSECOND-PULSE HIGH-FREQUENCY DISCHARGES		3P34
[260] Spatially Dispersive Nonlinear Transmission Line Experimental Performance Analysis and COMSOL Simulation Development		3P35
[193] Nonlinear Transmission Line for RF Plasma Heating		3P36
[186] Development of High Power Burst Pulse Generator for Cancer Treatment and Investigation of Superiority of High Power Burst Pulse as against Single Pulse	SATO, Hiromi	3P39
[230] HIGH-SPEED IMAGING OF EXPLODING DETONATORS	Mr GAUS, Henry	3P40
[106] Consolidation of the 400kA magnetic horn power supply for AD antiproton production		3P41
[105] A multi-waveform pulsed current generator for slow kicker magnets		3P42
[134] PROTOTYPE INDUCTIVE ADDER FOR THE PROTON SYNCROTRON AT CERN	WOOG, David	3P44
[15] Simultaneous Switching of Multiple GaN Transistors in a High-Speed Switch	FROLOV, Daniil	3P45
[99] High Burst Rate Charging System for the Lithium Lens Power Supply	FROLOV, Daniil	3P46
[85] Optimisation of the FRANZ chopper system	WAGNER, Christopher	3P48
[51] Measurement and analysis of luminescence signal and emission spectrum in vacuum surface flashover for polymeric materials		3P49
[197] Design and characterization of a benchtop electron beam system for validation of gas transport		3P51
[77] Study of the electrostatic precipitator efficiency according to particle size and HV supply		3P52
[195] Pulse power system for formation and acceleration of field-reversed configurations in C2-W.		3P53
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[200] Electric Pulse Modification of Cancer Cell Population Dynamics		3P56
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