



# Laser-Plasma Accelerator Workshop 2019

## Tuesday, May 7, 2019

### Secondary radiation generation & applications - Main Hall (2:00 PM - 3:40 PM)

time	[id] title	presenter
2:00 PM	[17] High Field QED Experiments with Lasers Progress and Challenges	ZEPF, Matt
2:20 PM	[20] The control of laser wakefield accelerated electron beams and betatron X-ray radiation using arrays of multiple gas jets	Mr TOMKUS, Vidmantas
2:40 PM	[6] Creation of Electron-Positron Pairs in Photon-Photon Collisions Driven by 10-PW Laser Pulses	Dr YU, Jinqing
3:00 PM	[4] 1 MeV Thomson backscatter x-ray source from a 250 MeV laser-plasma accelerator and plasma mirror	Dr CHANG, Yenyu
3:20 PM	[9] Gamma-ray radiation in beam-plasma interaction as a diagnostics for emittance growth in PWFA and for beam filamentation instabilities	SAN MIGUEL, Pablo

# Wednesday, May 8, 2019

## Secondary radiation generation & applications - Meeting Room (4:00 PM - 5:00 PM)

time	[id] title	presenter
4:00 PM	[M3] Towards an all-optical Thomson source for X-ray fluorescence imaging	Dr PODER, Kristjan
4:20 PM	[M6] Using laser plasma accelerator for simultaneous X-ray absorption and 2-photon Light Induced Fluorescence imaging of a car engine spray.	Dr GUENOT, Diego
4:40 PM	[M7] Double Optical Gating of XUV pulses in Relativistic Laser-Plasma Interactions	YEUNG, Mark

## Secondary radiation generation & applications - Meeting Room (5:15 PM - 6:15 PM)

time	[id] title	presenter
5:15 PM	[M8] Relativistic Laser Plasma Interactions at Short Wave Infrared Wavelengths	Prof. DOLLAR, Franklin
5:35 PM	[M7] Generation of tunable relativistic, single-cycle infrared pulses from a tailored plasma structure	Prof. PAI, Chih-Hao
5:55 PM	[M5] Terahertz Pulse Generation by Laser Plasma Wakefield Accelerator	DÉCHARD, Jérémy