



# 2019 ATF Science Planning Workshop

## Tuesday, 15 October 2019

### LWIR Laser Capabilities - ITD Seminar Room (B515, 2nd Flr) (14:15 - 18:15)

time	[id] title	presenter
14:15	[40] LWIR Laser Capabilities and Plan	POLYANSKIY, Mikhail
14:45	[14] Plasma Optics for Guiding, Focusing, and Compression	GORDON, Daniel
15:05	[16] Femtosecond NIR laser at ATF: opportunities	CHEN, Yu-hsin
15:25	Coffee Break/Discussion	
15:55	[47] Frontiers of mid-IR lasers based on transition metal doped chalcogenides	MIROV, Sergey B.
16:15	[60] Scalable High-Power Laser Architectures for Wavelength-Scaled Laser-Plasma Accelerators	SIDERS, Craig LINK, Emily
16:35	[52] X-ray sources driven by self-modulated laser wakefield acceleration	ALBERT, Felicie
16:55	[46] Radiation Reaction and Nonlinear Compton Scattering in Intense Laser Interactions with Relativistic Electrons	SEIPT, Daniel

# Wednesday, 16 October 2019

## LWIR Laser Capabilities - ITD Seminar Room (B515, 2nd Flr) (09:00 - 11:15)

time	[id] title	presenter
09:00	[54] Numerical simulations for CO2 laser plasma interaction	THEVENET, Maxence
09:20	[55] Plasma diagnostics for ATF	DOWNER, Michael
09:40	[44] High-rep-rate systems for LWFA science	GEDDES, Cameron
10:00	[20] Applications of machine learning and active feedback in laser-plasma wakefield accelerators	MANGLES, Stuart
10:20	Coffee Break/Discussion	
10:35	[45] High rep-rate laser wakefield acceleration	MA, Yong
10:55	[19] Laser-matter interactions at the extreme	VRANIC, Marija