

ATF II UPGRADE WORKSHOP

Agenda

Thursday, October 16, 2014

Start	Finish	Speaker	Title	Length	
9:00	9:10	I Ben-Zvi	Welcome	10 min	
9:10	9:30	V Yakimenko	A tale of two user facilities	20 min	
9:30	10:00	E Colby	Longer-term Evolution of the Accelerator Stewardship Program	30 min	
10:00	10:30	J Skaritka	ATF II layout and construction schedule	30 min	
10:30	11:00	<i>Coffee break</i>			30 min
11:00	11:15	M Fedurin	Accelerator lattice, focused and "masked" beams	15 min	
11:15	11:30	Yichao Jing	Femtosecond electron bunches, "flat" beams	15 min	
11:30	12:00	M Babzien	Laser upgrade	30 min	
12:00	13:00	<i>Lunch break</i>			1 hour
13:00	13:30	I Pogorelsky	Spectrum of ATF II science trusts	30 min	
13:30	13:50	P Musumeci	1 GeV/m IFEL	20 min	
13:50	14:20	S Tochitsky	Experimental opportunities for CO2 laser-plasma research at ATF II	30 min	
14:00	14:30	G Andonian	PWA and other plasma-physics opportunities	30 min	
14:20	14:50	<i>Coffee break</i>			30 min
14:50	15:20	W Lu	Future Perspectives on Ultrafast CO2 laser Driven LWFA and LPI	30 min	
15:20	15:50	Z Najmudin	Shock wave ion acceleration	30 min	
15:30	16:10	A Murokh	ATF experience from small business angle	20 min	
16:10	16:30	R Assman	Advanced accelerator R&D at DESY and roadmap towards applications	20 min	
16:30	17:30	ATF II tour			1 hour
18:00		<i>Workshop dinner</i>			

Friday, October 17, 2014

Start	Finish	Speaker	Title	Length	
9:00	9:20	A Nause	Experimental Study of Undulator Spontaneous Radiation Suppression by Current-Noise Control in High Energy e-beams	20 min	
9:20	9:50	J Rosenzweig	New opportunities in DWA/PWFA laser acceleration and Compton scattering	30 min	
9:50	10:20	L Schachter	Novel paradigms and new options for experiments at ATF-II employing laser radiation and relativistic e-beam	30 min	
10:20	10:50	<i>Coffee break</i>			30 min

10:50	11:10	G Shvets	Generation of Conditioned GeV-range Electron Beams in a Hybrid Laser Wakefield/Direct Laser Accelerator	20 min
11:10	11:40	R Zgadzaj	Advanced plasma diagnostics	30 min
11:40	12:00	D Gordon	Controlled LWFA with external injection	20 min
12:00	13:00	<i>Lunch break</i>		1 hour
13:00	13:30	L Serafini	Narrow bandwidth Compton source	30 min
13:30	15:00	Presentations TBD, discussions on research directions		1 hour
14:30	15:00	<i>Coffee break</i>		30 min
15:00	16:30	Discussion on ATF II infrastructure, outlining recommendations		1.5 hour