

3rd EMP Working Day, Frascati, 3rd December 2018

08:00	Registration	
08:30	Welcome	
Section 1: EMP Generation and effects (Chair: Fabrizio Consoli)		
08:40	Aurelian Marcu (NILPRP, Romania)	EMPs Generation and Biological Influence Studies of Emitted Waves
09:00	Jean-Luc Dubois (CELIA, France)	Development of a low EMP proton source
09:20	Vladimir Tikhonchuk (CELIA, France)	Generation of strong magnetic fields with lasers: from nano- to picoseconds
09:40	Andriy Velyhan (Eli-Beam., Czechia)	Effect of EMP on ion trajectory inside of Thomson parabola analyzer
10:00	David Neely (STFC RAL, UK)	EMP and emissions from laser plasma interactions
10:20	Egle Zemaityte (Univ.Strathclyde, UK)	Sheath field and EMP correlations
10:40	Coffee break	
Section 2: EMP characterization and analysis (Chair: Vladimir Tikhonchuk)		
11:10	Josef Krasa (IP-CAS, Czechia)	Temporal characteristics of laser-produced EMP within region of near-field
11:30	Philip Bradford (Univ. York, UK)	EMP emission: variation with laser and target parameters at high intensity
11:50	Fabrizio Consoli (ENEA, Italy)	Detection of EMPs generated in interactions of intense lasers with matter by dielectric and conductive probes
12:10	David Carroll (STFC RAL, UK)	EMP temporal analysis and propagation
12:30	Piotr Raczka (IPPLM, Poland)	Characterization of strong electromagnetic pulses generated in high-intensity laser-matter interactions at various laser parameters
12:50	Lunch	
Section 3: EMP mitigation (Chair: David Neely)		
14:20	Matthieu Bardon (CEA-CESTA, France)	EMP mitigation on the LMJ-PETAL facility
14:40	Marin Marius Gugu (ELI-NP, Romania)	Overview of EMP Shielding and Damage Mitigation at ELI-NP
15:00	Rob Clarke (STFC RAL, UK)	EMP mitigation on the Vulcan Petawatt Laser System
15:20	Kwinten Nelissen (ELI-ALPS, Hungary)	Characterization and Modelling of Ultrashort Laser Pulse Driven Electromagnetic Pulses
15:40	Viliam Kmetik (Eli-Beam., Czechia)	LP EMP Propagation and Mitigation in ELI-Beamline Large Size Structures
16:00	Coffee break	
16:30	Vladimir Tikhonchuk (CELIA, France)	Summary and outlook
Open discussion (Chairs: F. Consoli, V. Tikhonchuk, D. Neely)		
18:00	Closing	