

School/Workshop on “*Trends in Free Electron Laser physics*”
 “Ettore Majorana Foundation and Centre for Scientific Culture” Erice , May 17 - 23, 2016.

	Tuesday 17	Wednesday 18	Thursday 19	Friday 20	Saturday 21	Sunday 22	Monday 23
Morning I 9:00 – 10:30	Arrival	Quantum FEL Theory and its Classical limits N. Piovela (80+10)'	Theoretical aspect of advanced FEL schemes Z. Huang (80+10)'	Collective effects in light scattering from Bose-Einstein condensates F. Cataliotti (80+10)'	Optical guiding by capillary dielectric tubes and its applications B. Cros (80+10)'	High quality electron beams from plasma: overview of beam dynamics issues J. Vieira (80+10)'	Departure
Coffee Break							
Morning II 11:00 – 12:30	Arrival	Generation of ultra-cold low emittance electron beams J. Rosenzweig (80+10)'	Overview of advanced Compton ray sources L. Serafini (80+10)'	Overview of laser plasma wakefield and dielectric laser accelerators J. Mc Neur (80+10)'	FEL coherence and control of spectral properties E. Allaria (80+10)'	Overview of Laser Driven Plasma FEL Concepts M. E. Couprie (80+10)'	Departure
Lunch Break							

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<p>Afternoon I 15:00 – 17:00</p>	<p>Registration</p>	<p>Generating sub-femtosecond pulses in hard x-ray free-electron lasers Y. Ding (50+10)'</p> <p>Channeling: from Beam Shaping to Radiation Sources S. Dabagov (50+10)'</p>	<p>FEL with orbital angular momentum modes E. Hemsing (50+10)'</p> <p>Exploring the Frontiers in Attosecond X-ray Science, Imaging and Spectroscopy with advanced radiation sources F. Kaertner (50+10)'</p>	<p>Principles and Applications of Laser Driven Betatron Radiation Sources S. Karsch (50+10)'</p> <p>Overview of plasma based beamline elements for advanced beam manipulations A. R. Rossi (50+10)'</p>	<p>Trends in Conventional and Unconventional Undulators J. Clark (50+10)'</p> <p>A Compact Coherent System Architecture and FEL Effects Occurring in the Deeply Saturated Regime . S. Biedron (50+10)'</p>	<p>Tour to Segesta Greek Temple and Theatre</p>	<p>Departure</p>
<p>Coffee Break</p>							

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Afternoon II 17:30– 19:00	Registration	<p>Towards an X-Ray FEL Oscillator R. Lindberg (25+5)'</p> <p>Quantum electrons in classical x-ray FELs P. Ansimov (25+5)'</p> <p>Design of sub-Angstrom compact FEL source H. Fares (25+5)'</p>	<p>Numerical simulation of FEL process using FDTD/PIC in a Lorentz boosted framework A. Fallahi (25+5)'</p> <p>Inverse Thomson scattering-based polychromatic γ-rays driven by comb-like e-beams from uniform plasmas S. Kalmikov (25+5)</p> <p>TeV muon beam photo-production with hadron-photon colliders based on high efficiency FEL's C. Curatolo (25+5)'</p>	<p>A Frequency Modulated FEL L. Campbell (25+5)'</p> <p>Betatron radiation as bright hard X-ray source and effective diagnostic for laser-plasma acceleration experiments A. Curcio (25+5)'</p> <p>Hybrid beam driven plasma acceleration regime for high brightness beams S. Romeo (25+5)'</p>	<p>Bright X-Ray Sources from Laser-Driven Microstructured Plasmas A. Pukhov (25+5)'</p> <p>Dynamics of energetic electrons in high intensity laser-matter interactions A. Zigler (25+5)'</p> <p>Advanced beam manipulation experiments at SPARC_LAB R. Pompili (25+5)'</p>	<p>Tour to Segesta Greek Temple and Theatre</p>	
	Welcome Cocktail						
Dinner				Social Dinner			

