

LA ³ NET TW3: Novel Acceleration Techniques, HZDR, Dresden, Germany						Monday 28 to Wednesday 30 April 2014	
Monday			Tuesday			Wednesday	
09:00-09:40	Welcome / admin & logistics Roland Sauerbrey & Ulrich Schramm, HZDR Introduction / LA ³ NET Rob Ashworth, ULIV		Invited speaker	Session 3. Electron acceleration Overview of laser-driven electron acceleration Victor Malka, LOA Palaiseau	Invited speaker	Session 5. Scientific, medical & industrial applications Laser-driven proton therapy in OncoRay Ulrich Schramm, HZDR	
9:40-10:00	Invited speaker	Session 1. Technologies and challenges of future accelerators Status and prospects of normal-conducting and superconducting RF acceleration Peter McIntosh, STFC	Delegate talk	Compton backscattering experiments at LOA Andreas Doepp, CLPU	Invited speaker	Industrial activities towards medical applications of laser ion acceleration Arnd Baurichter, Danfysik	
10:00-10:20			Delegate talk	From 1-D fluid models to 3D PIC simulations for resonant PWFA experiments at SPARC_LAB Alberto Marocchino, Uni Roma			
BREAK							
10:50-11:10	Delegate talk	PIConGPU: fast 3D multiscale simulations Michael Bussmann, HZDR	Delegate talk	Advanced proton driven PWFA experiment at CERN Mikhail Martyanov, CERN	Invited speaker	Compact x-ray sources for clinical applications Marie Jacquet, LAL	
11:10-11:30	Delegate talk	New science opportunities on XFEL Thomas Cowan, HZDR	Delegate talk	Plasma-based acceleration experiments at SPARC_LAB Enrica Chiadroni, INFN-LFN			
11:30-11:50	Delegate talk	Experimental Results and Future Directions of Various Dielectric Laser Accelerators: Joshua McNeur, Uni Erlangen	Delegate talk	Compact electron acceleration and bunch compression in THz waveguides Arya Fallahi, CFEL	Delegate talk	Laser-Thomson backscattering source at HZDR Axel Jochmann, HZDR	
11:50-12:10	Invited talk	Session 2. Laser-based ion acceleration Ion acceleration using short laser pulses Paul Gibbon, FZJ Jülich	Delegate talk	Accelerator Activities at PITZ Matthias Gross, PITZ	Delegate talk	Final Focus System for Thomson Scattering at ELBE Jakob Krämer, Danfysik	
12:10-12:30			Delegate talk	Radiative Particle in Cell simulations on laser-plasma interactions Alexander Debus, HZDR	Delegate talk	Concepts for laser-plasma driven FELS Andreas Maier, Uni Hamburg	
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14:00-14:20	Delegate Talk	<i>Laser-ion acceleration at HZDR</i> Karl Zeil, HZDR	Invited speaker	Session 4. Advanced diagnostics: <i>Overview of novel electron beam diagnostics</i> Malte Kaluza, HI Jena	DEPART	
14:20-14:40	Delegate talk	<i>Laser-driven ion acceleration with ultra-thin targets</i> Luca Stockhausen, CLPU				
14:40-15:00	Delegate talk	<i>Research on superintense laser-driven ion acceleration at Politecnico di Milano</i> Matteo Passoni, Politecnico Milano	Delegate talk	<i>Single-shot fs electron bunch diagnostics</i> Omid Zarini, HZDR		
15:00-15:20	Delegate talk	<i>THz pulse driven particle accelerators</i> Janos Hebling, Uni Pecs	Delegate talk	<i>Optimization study of a transport line for laser-plasma generated electron beams</i> Livia Lancia, Uni Roma		
15:20-15:40	Delegate talk	<i>Pulsed high field magnets: Unique opportunities for handling laser accelerated ions</i> Florian Kroll, HZDR	Delegate talk	<i>Emittance measurement at the ELBE SRF-gun</i> Pengnan Lu, HZDR		
BREAK						
16:10-16:50	Delegate talk	<i>The Laser Laboratory for Acceleration and Applications (L2A2)</i> Jose Benlliure, Uni Santiago	16:00 – 18:00 Lab visits at HZDR: lasers and ELBE accelerator			
16:50-17:10	Invited talk	<i>Short pulse lasers for laser plasma electron and acceleration</i> Matt Zepf, HI Jena				
17:10-17:30						
17:30-18:00	<i>Discussion session: current state of the art and future funding requirements</i>					
Eve			Workshop dinner			

Reception on Sunday evening