

Seminar Program (schedule and program list)

	Sunday (15.5)	Monday (16.5.)	Tuesday (17.5.)	Wednesday (18.5.)
8:45 - 9:00		Welcome and goals		
		Conveners: <ul style="list-style-type: none"> • A. Caldwell • W. Leemans • J. Osterhoff 		
9:00 - 10:30		Light Source Applications	Driver Technology	Plasma Astrophysics
5 min.		Convener: A. Maier Program: <ul style="list-style-type: none"> • Introduction by A. Maier 	Convener: J. Limpert Program: <ul style="list-style-type: none"> • Introduction by J. Limpert 	Convener: F. Jenko Program: <ul style="list-style-type: none"> • Introduction by F. Jenko
30 min.		<ul style="list-style-type: none"> • General Introduction to the State of the Art in FELs, Compact FELs, and Plasma-Based Sources by A. Marinelli 	<ul style="list-style-type: none"> • Titanium Sapphire Lasers by S. Karsch 	<ul style="list-style-type: none"> • Cosmic-Ray Driven Instabilities by F. Fiuza
30 min.		<ul style="list-style-type: none"> • Betatron and Thomson-Based Photon Sources by F. Albert 	<ul style="list-style-type: none"> • Laser Technology for Accelerators by L. Corner 	<ul style="list-style-type: none"> • The Surprising Effectiveness of Cosmic Ray Acceleration by T. Bell
25 min.		<ul style="list-style-type: none"> • Discussion 	<ul style="list-style-type: none"> • Discussion 	<ul style="list-style-type: none"> • Discussion
10:30 - 11:00		Coffee/Tea	Coffee/Tea	Coffee/Tea

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11:00 - 12:30		Particle Physics Applications	Plasma Technology	Diagnostics
<i>5 min.</i>		Convener: E. Gschwendtner	Convener: P. Muggli	Convener: M. Downer
<i>30 min.</i>		Program:	Program:	Program:
<i>30 min.</i>		<ul style="list-style-type: none"> • Introduction by E. Gschwendtner • Fixed Target Experiments by B. Heinemann • Applications of Plasma-Wave Acceleration Techniques to Particle Colliders by B. Foster 	<ul style="list-style-type: none"> • Introduction by P. Muggli • Overview of plasma technology for accelerators by B. Cros • HOFI and Capillary Discharge Waveguides by H. Milchberg 	<ul style="list-style-type: none"> • Introduction by M. Downer • High-Resolution Diagnostics for Plasma-Based Accelerators - a Tool for Detailed Insights into the Interaction by M. Kaluza • Electron Beam Diagnostics by E. Chiadroni
<i>25 min.</i>		<ul style="list-style-type: none"> • Discussion 	<ul style="list-style-type: none"> • Discussion 	<ul style="list-style-type: none"> • Discussion
12:30 - 14:00		Lunch	Lunch	Lunch
14:00 - 15:30		Health and Industrial Applications	Poster Session Introductions	Machine Learning in Wakefield Acceleration
<i>5 min.</i>		Convener: J. Schreiber		Convener: A. Hanuka
<i>30 min.</i>		Program:		Program:
<i>30 min.</i>		<ul style="list-style-type: none"> • Introduction by J. Schreiber • Laser Plasma Accelerators to address the industrial inspection market by F. Sylla • Establishing Laser Accelerated Proton Beam Performance for Dose Controlled Irradiation Studies by U. Schramm 		<ul style="list-style-type: none"> • Introduction by A. Hanuka • General Machine Learning Methods by R. Lehe • Overview Machine Learning Applications by A. Scheinker
<i>25 min.</i>		<ul style="list-style-type: none"> • Discussion 		<ul style="list-style-type: none"> • Discussion

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15:30 - 16:00		Coffee/Tea	Coffee/Poster Session	
16:00 – 17:30		<p style="text-align: center;">Simulation/Theory</p> <p>Convener: J. -L. Vay</p> <p>Program:</p> <ul style="list-style-type: none"> • Introduction by J. -L. Vay • Theoretical Basis and Exascale Simulations by M. Thévenet • Simulations with Collisions and QED Effects by M. Vranić • Discussion 	Coffee/Poster Session	Departures
17:30 – 19:00	Welcome Reception		Workshop Dinner and Extended Discussions	