Programme - Ion Sources
29 May – 8 June, Senec, Slovakia 2012

Time	Tuesday 29 May	Wednesday 30 May	Thursday 31 May	Friday 1 June	Saturday 2 June	Sunday 3 June	Monday 4 June	Tuesday 5 June	Wednesday 6 June	Thursday 7 June	Friday 8 June
08:30		Requirements of Ion Sources	Space Charge Effects	Electron Cyclotron Resonance Ion Sources I	Volume & Surface-Enhanced Negative Ion Sources		MEVVA Ion Sources	Radioactive Ion Sources	Plasma Diagnostics	Beam Extraction and Transport I	
09:30		R. Scrivens	N. Chauvin	T. Thuillier	M. Stockli		I. Brown	T. Stora	U. Fantz	T. Kalvas	
09:30		Definition of Ion Sources	Fundamental Processes: Atomic Physics I	Electron Cyclotron Resonance Ion Sources II	Negative Ion Sources (Magnetron, Penning)		Other Ion Sources	Charge Breeders	Beam Diagnostics	Beam Extraction and Transport II	**D**
10:30	**A**	R. Scrivens	M. Kowalska	T. Thuillier	D. Faircloth	**E**	P. Sortais	F. Wenander	U. Raich	T. Kalvas	**E**
		COFFEE	**COFFEE**	**COFFEE**	**COFFEE**		**COFFEE**	**COFFEE**	**COFFEE**	**COFFEE**	**P**
11:00	**R**	Theory of Relativity	Fundamental Processes: Atomic Physics II	Electron Beam Ion Sources	Ion Sources for Fusion I	**X**	Fundamentals of Microwave Engineering & RF Coupling Issues I	Technological Aspects: High Voltage	Modelling and Simulations	Research Accelerator Applications	**A**
12:00	**I**	C. Prior	M. Kowalska	G. Zschornack	W. Kraus	**C**	L. Celona	D. Faircloth	P. Spaedtke	R. Bailey	**R**
12:00	**V**	Transverse Dynamics	Fundamental Processes: Plasma Physics I	Laser Ion Sources I	Ion Sources for Fusion II	**U**	Fundamentals of Microwave Engineering & RF Coupling Issues II	Microwave Discharge Ion Sources	Case Study Presentations	Industrial Applications	**T**
13:00	**A**	B. Holzer	K. Wiesemann	B. Marsh	W. Kraus		L. Celona	L. Celona		P. Sortais	**U**
	L	**LUNCH**	**LUNCH**	**LUNCH**	**LUNCH**	**R**	**LUNCH**	**LUNCH**	**LUNCH**	**LUNCH**	**R**
14:30		Theory of Electro-magnetic Fields	Fundamental Processes: Plasma Physics II	Laser Ion Sources II	Work on Case Study	**S**	Technological Aspects: Magnetic System Design	Alternative Heating Methods	Case Study Presentations	Medical Applications	**E**
15:30	**D**	C. Prior	K. Wiesemann	B. Marsh			T. Thuillier	L. Celona		T. Haberer	
15:30	**A**	Longitudinal Dynamics	Production of High Intensity, Highly Charged Ions I	RF Ion Sources	Work on Case Study	**I**	Work on Case Study	Vacuum Requirements	Case Study Presentations	Directions for the Future	**D**
16:30	**Y**	B. Holzer	S. Gammino	W. Kraus		**O**		P. Chiggiato		A. Aanesland	**A**
		TEA	**TEA**	**TEA**	**TEA**		**TEA**	**TEA**	**TEA**	**TEA**	
17:00		Introduction to Case Study	Production of High Intensity, Highly Charged Ions II	**Seminar** MedAustron Project	Discussion Session	**N**	Work on Case Study	**Seminar** Multi-Beam Mask Writer Develop-ment for the Semiconductor Industry H. Loeschner	Case Study Presentations	Summary of Case Study	**Y**
18:00		P. Spaedtke	S. Gammino	A. Fabich						P. Spaedtke	
19:00 19:30	**Buffet Dinner**	**Welcome Drink/Dinner**	**Dinner**	**Dinner**	**Dinner**	**Special Dinner**	**Dinner**	**Dinner**	**Dinner**	**Dinner**	