

Sunday, September 11	
16:00 - 20:00	Registration
18:00 - 20:00	Welcome Reception

Monday, September 12			
08:00 - 12:00	Registration		
09:00 - 09:20	Opening		
09:20 - 10:05	RL1	P. Beiersdorfer	X-RAY SPECTROSCOPY AT EBITs
10:05 - 10:35	PR1	T. Brage	FROM OPTICAL SPECTROSCOPIC ACCURACY TO FORBIDDEN-LINE SPECTROSCOPY
10:35 - 11:05	Coffee Break		
11:05 - 11:35	PR2	D. Kato	POPULATION TRAPPING: THE MECHANISM FOR THE LOST RESONANCE LINES IN Pm-LIKE IONS
11:35 - 11:55	ST1	A. Gumberidze	IMPACT PARAMETER SENSITIVE STUDY OF INNER-SHELL ATOMIC PROCESSES IN THE EXPERIMENTAL STORAGE RING
11:55 - 12:15	ST2	Y. S. Kozhedub	COUPLED-CHANNEL CALCULATION OF X-RAY EMISSION FOLLOWING Kr, Xe + Xe <sup>54+</sup> , Xe <sup>52+</sup> COLLISIONS @ 50-200 MeV/u
12:15 - 14:00	Lunch Break		
14:00 - 14:30	PR3	Y. Wang	UNDERSTANDING THE STABILITY OF CHARGED FULLERENES: UNRAVELING THE KEY FACTORS FROM A UNIFIED VIEW
14:30 - 14:50	ST3	S. Bernitt	ELECTRONIC TRANSITIONS IN HIGHLY CHARGED IONS AS FUTURE X-RAY WAVELENGTH STANDARDS
14:50 - 15:10	ST4	J. Ullmann	GROUND STATE HYPERFINE SPLITTING IN LITHIUMLIKE AND HYDROGENLIKE BISMUTH
15:10 - 15:30	ST5	J. Machado	HIGH ACCURACY MEASUREMENTS OF TRANSITION ENERGIES IN HIGHLY CHARGED IONS WITH A DOUBLE-CRYSTAL SPECTROMETER
15:30 - 16:00	Coffee Break		
16:00 - 16:20	ST6	J. Hozowska	NONLINEAR INTERACTION OF ULTRA-INTENSE FEMTOSECOND FREE-ELECTRON LASER PULSES AT ÅNGSTROM WAVELENGTHS
16:20 - 16:40	ST7	A. Surzhykov	POLARIZATION TRANSFER IN ELASTIC PHOTON SCATTERING BY HEAVY IONS AND ATOMS
16:40 - 17:00	LR	D. Banaś	EXPERIMENTS WITH HCI AT EBIS FACILITY
17:00 - 19:00	Visit in Laboratory		

RL: Review Lectures	PR: Progress Reports
ST: Selected Topics	LR: Local Report

Tuesday, September 13			
09:00 - 09:45	RL2	S. Schippers	HIGHLY CHARGED ATOMIC IONS IN COLLISIONS WITH ELECTRONS
09:45 - 10:15	PR4	A. Wolf	CRYOGENIC ELECTROSTATIC STORAGE RINGS FOR LOW-ENERGY ION BEAMS
10:15 - 10:35	ST8	S.W. Epp	SINGLE PHOTON EXCITATION OF K $\alpha$ IN HELIUMLIKE Kr <sup>34+</sup>
10:35 - 11:05	Coffee Break		
11:05 - 11:35	PR5	J. Bernard	COOLING OF PAH CATIONS STUDIED WITH AN ELECTROSTATIC RING
11:35 - 11:55	ST9	F. Herfurth	THE CRYRING@ESR PROJECT
11:55 - 12:15	ST10	M. Bussmann	PROSPECTS AND CHALLENGES OF LASER COOLING OF STORED BEAMS OF RELATIVISTIC HIGHLY CHARGED IONS
12:15 - 14:00	Lunch Break		
14:00 - 14:30	PR6	P. Boduch	HCI AND ASTROPHYSICAL ICES
14:30 - 14:50	ST11	J. N. Tan	PRODUCTION OF RYDBERG-STATE ONE-ELECTRON IONS
14:50 - 15:10	ST12	S. Ali	EUV SPECTROSCOPY OF HIGH CHARGED SULFUR RELEVANT TO ASTROPHYSICAL PLASMAS
15:10 - 15:30	ST13	E. Sokell	CoBIT SPECTROSCOPY OF Mo AND Y IONS RELEVANT TO BEYOND EUV SOURCE DEVELOPMENT
15:30 - 16:00	Coffee Break		
16:00 - 18:00	Poster Session A		
18:00 - 19:00	Public Lecture	G. Gierliński	TRACKING ANCIENT LIFE IN THE HOLY CROSS MOUNTAINS

Wednesday, September 14			
09:00 - 09:45	RL3	G. O'Sullivan	SPECTROSCOPY OF HIGHLY CHARGED IONS FOR EXTREME ULTRAVIOLET LITHOGRAPHY
09:45 - 10:15	PR7	L. Schmöger	COULOMB CRYSTALLIZATION OF HIGHLY CHARGED IONS
10:15 - 10:35	ST14	Y. Ralchenko	VISIBLE AND INFRARED LASER SPECTROSCOPY FOR HIGHLY-CHARGED HIGH-Z IONS
10:35 - 11:05	Coffee Break		
11:05 - 11:35	PR8	P.-M. Hillenbrand	ASYMMETRIES OF THE ELECTRON CUSP IN HEAVY-ION ATOM COLLISIONS
11:35 - 11:55	ST15	M. Łabuda	CHARGE TRANSFER INDUCED BY COLLISION OF CARBON IONS WITH THE HETEROCYCLIC ORGANIC MOLECULES
11:55 - 12:15	ST16	X. L. Zhu	FRAGMENTATION OF MOLECULAR DIMER USING HCIS: PROBING THE GEOMETRY
12:15 - 14:00	Lunch Break		
14:00 - 18:00	Outing		
18:00 - 21:00	Light dinner		

Thursday, September 15			
09:00 - 09:45	RL4	P. O. Schmidt	QUANTUM LOGIC SPECTROSCOPY OF TRAPPED IONS
09:45 - 10:15	PR9	A. S. Kadyrov	CONVERGENT CLOSE-COUPPLING APPROACH TO SCATTERING OF HIGHLY-CHARGED IONS
10:15 - 10:35	ST17	D. A. Glazov	HIGHER-ORDER PERTURBATIVE RELATIVISTIC CALCULATIONS FOR FEW-ELECTRON ATOMS AND IONS
10:35 - 11:05	Coffee Break		
11:05 - 11:35	PR10	E. Giglio	CAPILLARIES AS SELF-ORGANIZED ELECTROSTATIC LENSES FOCUS: CHARGE RELAXATION AFTER ION BEAM IRRADIATION
11:35 - 11:55	ST18	D. Misra	TWO- AND THREE-BODY FRAGMENTATION OF NITROUS OXIDE IN COLLISION WITH HIGHLY CHARGED IONS
11:55 - 12:15	ST19	C. C. Montanari	STOPPING POWER DATABASE: FOLLOWING THE TRENDS IN STOPPING POWER OF IONS IN MATTER
12:15 - 14:00	Lunch Break		
14:00 - 14:30	PR11	M. Chabot	BREAKDOWN CURVES OF CARBON-BASED MOLECULES FOR ASTROCHEMISTRY
14:30 - 14:50	ST20	X. Zhou	THE STUDY OF THE INTERACTION OF LOW ENERGY IONS WITH A PLASMA TARGET
14:50 - 15:10	ST21	R. Hutton	MAGNETIC-FIELD INDUCED TRANSITIONS: A NOVEL METHOD TO DETERMINE MAGNETIC FIELDS IN LOW-DENSITY PLASMA
15:10 - 15:30	ST22	Ch. Shah	STRONG HIGHER-ORDER RESONANT CONTRIBUTIONS TO Fe K $\alpha$ X-RAY LINE POLARIZATION IN HOT PLASMAS
15:30 - 16:00	Coffee Break		
16:00 - 18:00	Poster Session B		
18:00 - 19:00	Break		
19:00 - 22:00	Conference Dinner		

Friday September 16			
09:00 - 09:45	RL5	H. Zettergren	ION INTERACTIONS WITH FULLERENE AND PAH CLUSTERS
09:45 - 10:15	PR12	E. Gruber	CHARGE EQUILIBRATION AND ENERGY LOSS OF SLOW HIGHLY CHARGED IONS IN SINGLE LAYER GRAPHENE
10:15 - 10:35	ST23	M. Trassinelli	HCI COLLISIONS TO SUPPRESS THE THERMAL HYSTERESIS IN MAGNETOCALORIC THIN FILMS
10:35 - 11:05	Coffee Break		
11:05 - 11:25	ST24	N. Stolterfoht	STABLE TRANSMISSION OF HIGHLY CHARGED IONS GUIDED THROUGH NANOCAPILLARIES IN PET
11:25 - 11:45	ST25	R. Schuch	NEUTRALIZATION OF HIGHLY CHARGED IONS IN TRANSMISSION THROUGH NANO-CAPILLARIES
11:45 - 12:00	Closing		
12:00 - 14:00	Lunch Break		
14:00 - 17:00	Transportation to Cracow		
17:00 - 18.30	Break		
18:30	SPARC		