

CONFERENCE PROGRAM

Time place	code	type	dur.	speaker	title
Monday, October 1st					
Opening Address					
Session: Newly Operating Cyclotrons and Facilities Under Construction Chairman: G. Dutto					
9:00-9:10					
9:10-11:00					
	MOXCR01	invited	25'	A. Goto, RIKEN	Commissioning of the radioactive ion beam facility at RIKEN
	MOXCR02	invited	25'	A. Geisler, ACCEL	Commissioning of the ACCEL K250 cyclotron
	MOXCR03	invited	25'	T. Zhang, CIAE	Design and construction progress of CYCIAE-100, a 100 MeV H- cyclotron at CIAE
	MOXCR04		15'	J.M. Schippers, PSI	The first year of operation of PSI's new protontherapy facility and its SC cyclotron
Session: New Cyclotron Projects Chairman: L. Conradie					
11:30-13:00					
	MOYCR01	invited	25'	G. Karamysheva, DUBNA	IBA C400 cyclotron project for hadrontherapy
	MOYCR02		15'	P. Heikkinen, JYFL	New MCC30/15 cyclotron for the JYFL accelerator laboratory

	MOYCR03		15'	Jong-Seo Chai, KIRAMS	Commissioning of KIRAMS-30 cyclotron for nuclear science research
	MOYCR04		15'	B. Sinha, DAE/VECC	Status of the K500 superconducting cyclotron project at Kolkata
14:30-16:00	poster session				
16:00-18:30	Session: Cyclotron Applications and Target Technology Chairman: B. Sinha				
	MOZCR01	invited	25'	J. Martino, Nantes Univ.	ARRONAX, a 70 MeV cyclotron for radiochemistry and nuclear medicine
	MOZCR02	invited	25'	P. Bricault, TRIUMF	Progress in the development of ISOL RIB ion sources and targets for high power
	MOZCR04		15'	T. Abe, RIKEN	Plant breeding using the ion beam irradiation in RIKEN
	MOZCR05		15'	V. Sabaïduc, ACSI	High current operation of the ACSI TR30 Cyclotron
	MOZCR06		15'	Medeiros-Romao, IBA	IBA C70 cyclotron development

Tuesday, October 2nd						
Session: New Projects and New Ideas Chairman: Y. Jongen						
9:00-11:00	TUXCR01	invited	25'	F. Marti, MSU		Stopping of energetic radioactive ions using cyclotron principles
	TUXCR02	invited	25'	Ken Fong, TRIUMF		New technology in the design of RF controls for accelerators
	TUXCR04		15'	M. Maggiore, INFN/LNS		Progress on design studies of 300 AMeV superconducting cyclotron
	TUXCR05		15'	A. Denker, HMI		Status of ISL: converting a multi-purpose accelerator to a dedicated proton therapy facility
Session: Radioactive Beam Facilities, Status Report Chairman: P. Bertrand						
11:30-13:10	TUYCR01	invited	25'	P. Schmor, TRIUMF		New achievements at TRIUMF and future plans
	TUYCR02	invited	25'	F. Chautard, GANIL		Status report on SPIRAL 1
	TUYCR03		15'	B. Mukherjee, DESY		Component activation of a high current radioisotope production cyclotron

	TUYCR04		15'	K. Abbas, JRC	Design and test of an accelerator driven neutron activator at the JRC cyclotron of the European Commission
14:30-16:00	poster session				
16:00-18:40	Session: Radioactive Beam Facilities Chairman: L. Onischennko				
	TUZCR01	invited	25'	D. Rifuggiato, INFN/LNS	First radioactive beam with EXCYT: role of the K800 Superconducting Cyclotron
	TUZCR02	invited	25'	S. Brandenburg, KVI	High intensity operation of the AGOR-cyclotron for RIB-production
	TUZCR03	invited	25'	M. Loiselet, LLN	From radioactive ion beams to neutrino physics: the beta-beam concept
	TUZCR04	invited	25'	P. Bertrand , GANIL	The advancement of SPIRAL 2 project
	TUZCR05		15'	H. Ryuto, RIKEN	Charge strippers for acceleration of uranium beam at RIKEN RI-beam factory
	TUZCR06		15'	H. Okuno, RIKEN	Hardware commissioning of RIKEN superconducting ring cyclotron

Wednesday, October 3rd						
Session: FFAG Accelerators I Chairman: M. Craddock						
9:00-10:50	WEXCR01	invited	25'	Y. Mori, Kyoto Un.	New project and results from FFAG accelerators in Japan	
	WEXCR02	invited	25'	N. Bliss, Daresbury Lab	Technical description and status of the EMMA non-scaling FFAG	
	WEXCR03	invited	25'	G.H. Rees, RAL	Non-isochronous and isochronous, non-scaling, FFAG Designs	
	WEXCR04		15'	King Yuen NG, Fermilab	Emittance growth in FFAG accelerators	
Session: FFAG and Cyclotrons for Applications and Superconducting Magnets Chairman: A. Goto						
11:20-13:10	WEYCR01	invited	25'	E. Keil, CERN	3-Ring FFAG complex for p and C therapy	
	WEYCR02		15'	A. Ruggiero, BNL	High-Power FFAG-based heavy-ion and proton drivers	
	WEYCR03		15'	D. Trbojevic, BNL	Innovative design of the isocentric proton/carbon ion gantries	

	WEYCR04		15'	V. Anferov, IUCF	Indiana University Cyclotron operation for Proton Therapy Facility
14:30-16:00	poster session				
16:00-18:30	Session: Upgrading and Status Report Chairman: G. Ryckewaert				
	WEZCR01	invited	25'	M. Seidel, PSI	Upgrade of the PSI cyclotron facility to 1.8 MW
	WEZCR02	invited	25'	W. Zhan, IMP-Lanzhou	Commissioning of the CSR of the HIRFL at Lanzhou
	WEZCR03	invited	25'	G. Gulbekian, JINR	Extraction by stripping of heavy ion beams from avf Cyclotrons
	WEZCR04		15'	L.M. Onischenko, JINR	Current limit in the H minus compact cyclotron with the external injection
	WEZCR05		15'	R. Gebel, FZJ	Operation of the injector cyclotron JULIC for the cooler synchrotron COSY
	WEZCR06		15'	K. Hatanaka, RCNP	Developments of the RCNP cyclotron cascade

Thursday, October 4th

Session: Medical Applications Chairman: P. Schmelzbach					
9:00-10:50	THXCR01	invited	25'	A. Montelius, Uppsala Univ.	Plans for Particle Therapy in Sweden
	THXCR02		15'	U. Amaldi, TERA	Cyclinacs, novel fast-cycling accelerators for hadrontherapy
	THXCR03		15'	I. Petrovic, VINCA	Comparison of radiobiological effects of carbon ions to protons on a resistant human melanoma cell line
			15'	F. T. Tarkanyi, ATOMKI	Investigation of the production of therapeutic radioisotopes at cyclotrons
	THXCR05		15'	E.S. Pedroni, PSI	PSI's next gantry - Gantry 2 - a new instrument for developing advanced pencil beam scanning techniques for proton therapy
Round Table on "Advantages and disadvantages of different types of accelerator in tumours treatment"					
11:15-12:30	Chairman: L. Calabretta U. Amaldi, E. Baron, G. Cuttone, Th. Haberer, Y. Jongen, E. Keil, E. Pedroni, M. Schippers				

Friday, October 5th

<p align="center">Session: Ion Sources and RF system Chairman: C. Lyneis</p>						
9:00-11:10						
	FRXCR01	invited	25'	D. Leitner, L.L. Berkeley	Progress and perspective for high frequency, high performance superconducting ECR ion sources	
	FRXCR02	invited	25'	H. Zhao , IMP-Lanzhou	An advanced superconducting ECR ion source at IMP: first results and operation at 18 GHz	
	FRXCR03	invited	25'	S. Gammino, LNS-INFN	ECR plasma physics and production of highly charged heavy ion from MS-ECRIS	
	FRXCR04		15'	P. A. Zavodsky, NSCL	First commissioning results of the SuSI ECRIS	
	FRXCR05		15'	R.H. Bhandari , DAE/VECC	Development of Rf system for K500 superconducting cyclotron at VECC	
<p align="center">Session: Beam Dynamics and Computer code Chairman: P. Heikkinen</p>						
11:30-13:10						
	FRYCR01	invited	25'	A. Adelman, PSI	High intensity ring cyclotron without flat-top: dream or realistic approach?	
	FRYCR02	invited	25'	M. Doleans, MSU	Optics improvements of the K500 axial injection line	

	FRYCR03		15'	N. Cufaro Petroni, Bari Univ.	Stationary distributions of non gaussian Ornstein-Uhlenbeck processes for beam halos
	FRYCR04		15'	H. Koivisto, JYFL	Program to improve the ion beam formation and transport at JYFL
14:30-16:00	Closing Session Chairman: H. Zhao				
		invited	50'	A. Shotter, TRIUMF	Radioactive beams- pathway to exotic region of the nuclear landscape
		invited	25'	P. Schmelzbach, PSI	Conference Summary

