

Monday 23 September		Tuesday 24 September		Wednesday 25 September		Thursday 26 September		Friday 27 September	
MOW	Conference Opening, Chair: Lowry Conradie	TUA	Cyclotron Applications: Isotopes, Chair: Hermann Schweikert	WEA	Magnet Design, RF and Upgrades, Chair: Yves Jongen	THA	Beam Dynamics, Simulations and Control, Chair: Daniel Winklehner	FRA	New Projects, Beam Dynamics, Simulations and Applications, Chair: Marco Schippers
08:00	Registration	08:30	TUA01: Jean-Michel Geets - Radioisotopes Production in Accelerators & Cyclotron Use	08:30	WEA01: GianLuca Sabbi - Future of High Field Superconducting Magnets	09:00	THA01: Jochem Snuerink - Precise Modelling and Large Scale Multiobjective Optimization of Cyclotrons	08:30	FRA01: Tianjue Zhang - A New Solution for Cost Effective, High Average Power (2 GeV, 6 MW) Proton Accelerator and its R&D Activities
09:00	Welcome, Introduction	09:00	TUA02: Saverio Braccini - Novel Irradiation Methods for Theranostic Radioisotope Production With Solid Targets at the Bern Medical Cyclotron	09:00	WEA02: Antonio Caruso - The Developments of the RF System Related to the K-800 Superconducting Cyclotron Upgrade	09:30	THA02: Andreas Adelmann - Recent Developments of the Open Source Code OPAL	09:00	FRA02: Hiroshi Tsutsui - Status of Sumitomo's Cyclotron Development for Proton Therapy
MOA	Facility Development and Upgrades, Chair: Yuri Bylinsky	09:20	TUA03: Nicholas Philip van der Meulen - The Use of PS's IP2 Beam Line Towards Exotic Radionuclide Development and its Application Towards Proof-Of-Principle Preclinical and Clinical Studies	09:20	WEA03: Mitsuhiro Fukuda - Design for Upgrading the RCNP AVF Cyclotron	09:50	THA03: William Duckitt - React Automation Studio: A New Face to Control Large Scientific Equipment	09:20	FRA03: André Roth - Energy Reduction of Varian's ProBeam 250 MeV Cyclotron to 226 MeV
09:30	MOA01: Yoshihiro Ishi - Recent Experimental Results of the Accelerator Drive System with a Sub-Critical Nuclear Reactor (ADS) Programme	09:40	TUA04: Martin Schulc - Characterization of Neutron Leakage Field Coming from $^{18}\text{O}(p,n)^{18}\text{F}$ Reaction in PET Production Cyclotron	09:40	Tea	10:10	Tea	09:40	FRA04: Vasily Sergeevich Anashin - Cyclotrons Based Facilities for Single Event Effects Testing of Spacecraft Electronics
10:00	MOA02: Weiqing Yang - Operating Status and Upgrading of Cyclotron in Lanzhou	10:00	TUA05: Mitra Ghergherehchi - Vanadium-48 Production Yield Investigation Using TiO2 Nano Powder Targets	10:00	WEB	10:10	THB	10:00	Tea
10:20	MOA03: Omar Kamalou - Status Report on GANIL and Upgrade of SPIRAL1	10:20	Tea	10:10	WEB01: Jean-Baptiste Lagrange - Status of FFAs (Modelling and Existing/Planned Machines)	10:40	THB01: Luciano Calabretta - Review of High Power Cyclotrons and their Applications	FRB	FFA Concepts, Upgrades and RF, Chair: Andreas Stolz
10:40	Tea	TUB	Cyclotron Applications: Medical, Chair: Andrea Denker	10:40	WEB02: Andreas Adelmann - Surrogate Models for Particle Accelerators	11:10	THB02: Victor Smirnov - Production of 70 MeV Proton Beam in a Superconducting Cyclotron	10:30	FRB01: Thomas Planche - Designing Cyclotrons and FFAs From Their Orbits
MOB	Facility Development and Upgrades, Chair: Ralf Gebel	10:50	TUB01: Daniel Winklehner - Status of the Development of a Fully Iron-free Cyclotron for Proton Beam Radiotherapy Treatment	11:00	WEB03: Christiaan Baumgarten - Factors Influencing the Vortex Effect in High-Intensity Cyclotrons	11:30	THB03: Yu. Bylinskii - Conceptual Design of TR100+: An Innovative Superconducting Cyclotron for Commercial Isotopes Production	11:00	FRB02: Semen Mitrofanov - FLNR JINR Accelerator Complex for Applied Physics Researches: State-of-Art and Future
11:10	MOB01: Osamu Kamigaito - Recent Progress in RIKEN RI Beam Factory	11:10	TUB02: Oleg Karamyshev - SC230 Superconducting 230 MeV Proton Cyclotron for Therapy	11:20	WEB04: Hui Zhang - BDSIM Simulation for the Complete Radionuclide Production Beam Line on PSI Cyclotron Facility from Beam Splitter to Target Station	11:50	THB04: Christophe Thiebaut - Development of a Transparent Profiler Based on Secondary Electrons Emission for Charged Particle Beams	11:20	FRB03: Lorenzo Neri - 3D Radio Frequency Simulation of the LNS Superconducting Cyclotron
11:40	MOB02: Jacobus Conradie - Progress With a New Radioisotope Production Facility and Construction of Radioactive Beam Facility at iThemba LABS	11:30	TUB03: Erik Van Der Kraaij - MRI-Guided-PT: Integrating an MRI in a Proton Therapy System	11:40	WEB05: Daniel Winklehner - Beam dynamics and preliminary design of the RFQ Direct Injection Project	12:10	Lunch	Conference Summary and Announcement of Host Institution for CYC2022, Chair: Lowry Conradie	
12:00	MOB03: William Beeckman - GFS-2 - The New Gas-filled Separator for Super-Heavy Elements in JINR. A Guided Walk through the Genesis of the Project from First Thoughts to Completion	11:50	TUB04: Serena Psoroulas - On-Line Dynamic Beam Intensity Control in a Proton Therapy Cyclotron	12:00	Lunch	THC	Radioactive Beams and New Concepts, Chair: Sytze Brandenburg	11:40	Conference Summary presented by Andrea Denker
12:20	Lunch	12:10	Lunch	12:00	WEC	13:40	THC01: Igor Kalagin - Cyclotron Facility for Super Heavy Elements Research	12:05	Announcement of the Host Institution for CYC2022
14:00	MOP POSTER SESSION	13:50	TUP POSTER SESSION	13:15	WEC01: Hui Wen Koay - Conceptual Design of an Axial Injection System for High- Temperature Superconducting Skeleton Cyclotron (HTS-SC)	14:10	THC02: Donald Philip May - First Beams Produced by the Texas A&M University Radioactive-Beam Upgrade	12:20	End of Conference
15:40	Tea	15:30	Tea	13:35	Introductory Talk and then Depart for Site Visit and Barbecue at iThemba LABS	14:30	THC03: Donghyup Ha - Design of Accelerator Mass Spectrometry Based on a Cyclotron		
MOC	Cyclotron Technology: Ion Sources and Upgrades, Chair: Pauli Heikkinen	TUC	Status Reports, Chair: Tianjue Zhang			14:50	THC04: Christian Rüdiger Wolf - 3D Printing for High Vacuum Applications		
16:00	MOC01: Liangting Sun - Moving the Frontiers of the Production of Intense Beams of Highly Charged Ions With ECR Ion Sources	15:50	TUC01: Mario Maggiore - Review and Current Status of the 70 MeV High Intensity Proton Cyclotron at Legnaro			15:10	Tea		
16:30	MOC02: Damon Todd - A Pathway to Accelerate Ion Beams up to 3 GeV with a K140 Cyclotron	16:20	TUC02: Andrea Denker - Status of the HZB Cyclotron			THD	Cyclotron Technology: Ion sources, Injection and Extraction, Chair: Danilo Rifuggiato		
16:50	MOC03: Markus Schneider - Upgrade of the PSI Injector 2 Cyclotron	16:40	TUC03: Brian Jones - AGOR Status Report			15:35	THD01: David Mascali - Physics and Technology of Compact Plasma Traps		
		17:00	TUC04: Hiroki Kanda - Status of the Cyclotron Facility at Research Centre for Nuclear Physics			16:05	THD02: Taneli Kalvas - Central Region Upgrade for the Jyväskylä K130 Cyclotron		
						16:25	THD03: Willem Kleeven - An Improved Concept for Self-Extraction Cyclotrons		
						17:35	Depart for Conference Dinner (Venue: The Bungalow)		

Sunday 22 September 18:00-21:30 Registration and Welcome Reception (Venue: Two Oceans Aquarium)

Industrial Exhibition 08:30-16:00 in the Old Harbour Lobby

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Industrial Exhibition 08:30-10:00 in the Old Harbour Lobby

