

(my personal)  
Highlights of the IPAC 2010 conference

**J. Pozimski**



- *3 publications on Lepton colliders (A02)*
- *32 Publications on NF & muon collider (A09)*
- *8 publications on EMMA / FFAG (A12)*
- *25 publications from UKNF/MICE*

*=> strong contribution from the community and UKNF / MICE*

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**Please see**

**“<http://accelconf.web.cern.ch/AccelConf/IPAC10/>”**

**For the proceedings (incl talks)**

Mon, 24 May		Tue, 25 May		Wed, 26 May		Thu, 27 May		Fri, 28 May		
Special Opening Presentation										MOXAMH
Chair: K. Oide (High Energy Accelerator Research Organization)										
09:30	A.Wagner (Deutsches Elektronen-Synchrotron)								MOXAMH01	
↓	International Collaboration with High Energy Accelerators									
Circular Colliders										MOXBMH
Chair: K. Oide (High Energy Accelerator Research Organization)										
10:00	S.Myers (European Organization for Nuclear Research DG)								MOXBMH01	
↓	LHC Commissioning and First Operation									
10:30										
↓										
11:00	Coffee Break									
Synchrotron Light Sources and FELs										MOYAMH
Chair: O.S. Brüning (European Organization for Nuclear Research Beams Department (BE))										
11:00	J.N.Galayda (SLAC National Accelerator Laboratory)								MOYAMH01	
↓	The First Angstrom X-Ray Free-Electron Laser									
Hadron Accelerators										MOYBMH
Chair: O.S. Brüning (European Organization for Nuclear Research Beams Department (BE))										
11:30	O.Kamigaito (RIKEN Nishina Center)								MOYBMH01	
↓	World-wide Efforts on Rare Isotope and Radioactive Beams									
Applications of Accelerators										MOYCMH
Chair: O.S. Brüning (European Organization for Nuclear Research Beams Department (BE))										
12:00	W.T.Chu (Lawrence Berkeley National Laboratory)								MOYCMH01	
↓	Relativistic Ion Beams for Treating Human Cancer									
12:30										
↓										
14:00										
Chair: G.-H. Luo				MOZMH	Chair: K. Wittenburg				MOZRA	
Hadron Accelerators					Accelerator Technology					
(14:00 → 15:00)					(14:00 → 15:00)					
Chair: G.-H. Luo				MOOCMH	Chair: K. Wittenburg				MOOCRA	
Synchrotron Light Sources and Circular Colliders					Accelerator Technology					
(15:00 → 16:00)					(15:00 → 16:00)					
Poster Session	MOPD	Poster Session	MOPE	Poster Session	MOPEA	Poster Session	MOPEB	Poster Session	MOPEC	
(16:00 → 18:00)		(16:00 → 18:00)		(16:00 → 18:00)		(16:00 → 18:00)		(16:00 → 18:00)		

*International collaborations – Wagner*

- Benefits
- problems
- Detectors as examples
- Maintenance and Operations still an issue

*LHC comissioning – Myers*

*-complex analyses of incident*



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Chair: A.N. Skrinsky <b>Circular Colliders</b> (08:30 → 10:30)	TUXMH	Chair: F. Perez <b>Synchrotron Light Sources and FELs</b> (08:30 → 10:30)	TUXRA	
Chair: A.N. Skrinsky <b>Circular Colliders</b> (09:30 → 10:30)	TUOAMH	Chair: F. Perez <b>Synchrotron Light Sources and FELs</b> (09:30 → 10:30)	TUOARA	
10:30 ↓ 11:00	Coffee Break			
Chair: S.R. Koscielniak <b>Beam Dynamics and Electromagnetic Fields</b> (11:00 → 12:30)	TUVMH	Chair: A. Roy <b>Hadron Accelerators</b> (11:00 → 12:30)	TUYRA	
12:30 ↓ 14:00	Lunch Break			
Chair: T. Nakamura <b>Beam Instrumentation and Feedback</b> (14:00 → 16:00)	TUZMH	Chair: P. Schmor <b>Applications of Accelerators</b> (14:00 → 16:00)	TUZRA	
Chair: T. Nakamura <b>Beam Instrumentation and Feedback</b> (15:00 → 16:00)	TUOCMH	Chair: P. Schmor <b>Applications of Accelerators</b> (15:00 → 16:00)	TUOCRA	
<b>Poster Session</b> (16:00 → 18:00)	TUPD	<b>Poster Session</b> (16:00 → 18:00)	TUPE	<b>Poster Session</b> (16:00 → 18:00)
		<b>Poster Session</b> (16:00 → 18:00)	TUPEA	<b>Poster Session</b> (16:00 → 18:00)
		<b>Poster Session</b> (16:00 → 18:00)	TUPEB	<b>Poster Session</b> (16:00 → 18:00)
		<b>Poster Session</b> (16:00 → 18:00)	TUPEC	

- *Project X – Holmes*
- *Challenges and solutions for J-PARC – Koseki*
- *Production of a 1.3 MW proton beam at PSI – Seidel*
- *Status and Future of FFAG's at KURRI – Ishi*

*No talks directly  
relevant to NF*

Mon, 24 May	Tue, 25 May	Wed, 26 May	Thu, 27 May	Fri, 28 May	
Chair: H. Koiso <b>Circular Colliders</b> (08:30 → 12:30)		WEXMH	Chair: V.P. Suller <b>Synchrotron Light Sources and FELs</b> (08:30 → 10:30)		WEXRA
Chair: H. Koiso <b>Circular Colliders</b> (09:30 → 10:30)		WEOAMH	Chair: V.P. Suller <b>Synchrotron Light Sources and FELs</b> (09:30 → 10:30)		WEOARA
10:30 ↓ 11:00	Coffee Break				
Chair: G. Arduini <b>Linear Colliders, Lepton Accelerators and New Acceleration Techniques</b> (11:00 → 12:30)		WEYMH	Chair: H. Okamoto <b>Hadron Accelerators</b> (11:00 → 12:30)		WEYRA
Chair: G. Arduini <b>Linear Colliders, Lepton Accelerators and New Acceleration Techniques</b> (11:30 → 12:30)		WEOBMH	Chair: H. Okamoto <b>Beam Dynamics and Electromagnetic Fields</b> (11:30 → 12:30)		WEOBRA
12:30 ↓ 14:00	Lunch Break				
Chair: I.S. Ko <b>Beam Instrumentation and Feedback</b> (14:00 → 16:00)		WEZMH	Chair: N. Ozaki <b>Session for Industry</b> (14:00 → 16:00)		WEIRA
Chair: I.S. Ko <b>Beam Instrumentation and Feedback</b> (15:00 → 16:00)		WEOCMH			
<b>Poster Session</b> (16:00 → 18:00)	<b>Poster Session</b> (16:00 → 18:00)	<b>Poster Session</b> (16:00 → 18:00)	<b>Poster Session</b> (16:00 → 18:00)	<b>Poster Session</b> (16:00 → 18:00)	<b>Poster Session</b> (16:00 → 18:00)
WEPD	WEPE	WEPEA	WEPEB	WEPEC	

Mon, 24 May	Tue, 25 May	Wed, 26 May	Thu, 27 May	Fri, 28 May					
Chair: C. Zhang Linear Colliders, Lepton Accelerators and New Acceleration Techniques (08:30 → 10:30)		THXMH	Chair: C. Adolphsen Accelerator Technology (08:30 → 10:30) THXRA						
Chair: C. Zhang Linear Colliders, Lepton Accelerators and New Acceleration Techniques (09:30 → 10:30)		THOAMH	Chair: C. Adolphsen Accelerator Technology (09:30 → 10:30) THOARA						
10:30 ↓ 11:00	Coffee Break								
Chair: T. Roser Hadron Accelerators (11:00 → 12:30)		THVMH	Chair: J. Urakawa Beam Dynamics and Electromagnetic Fields (11:00 → 12:30) THYRA						
Chair: T. Roser Hadron Accelerators (11:30 → 12:30)		THOBMH	Chair: J. Urakawa Beam Dynamics and Electromagnetic Fields (11:30 → 12:30) THOBRA						
Prize Presentations Chair: W. Namkung (Pohang Accelerator Laboratory) THPPMH									
13:40 ↓	M.Bai (Brookhaven National Laboratory Collider-Accelerator Department) Accelerating Polarized Protons to High Energy			THPPMH01					
13:55 ↓	J.Wei (Tsinghua University in Beijing) The Joy of Accelerator Physics			THPPMH02					
14:15 ↓	S.Myers (European Organization for Nuclear Research DG) Four Decades of Colliders (from the ISR to LEP to the LHC)			THPPMH03					
14:45 ↓	V.RW.Schaa (GSI Helmholtzzentrum f. Schwerionenforschung mbH Accelerator Physics Division) IPAC'10 Award for the JACoW Collaboration			THPPMH04					
Spirit of Tea Ceremony Chair: S.-I. Kurokawa (High Energy Accelerator Research Organization) THEMH									
15:00 ↓	G.Sen (Grand Master of Tea) The Spirit of Tea			THEMH01					
Poster Session (16:00 → 18:00)	THPD	Poster Session (16:00 → 18:00)	THPE	Poster Session (16:00 → 18:00)	THPEA	Poster Session (16:00 → 18:00)	THPEB	Poster Session (16:00 → 18:00)	THPEC

- Emma – Rob
- IDS-NF – Scott
- RLA's for muon collider – Alex
- Four decades of colliders – Myers
- did not mention muon collider in outlook to future

Mon, 24 May	Tue, 25 May	Wed, 26 May	Thu, 27 May	Fri, 28 May
Special Presentation				FRXAMH
Chair: C. Biscari (Istituto Nazionale di Fisica Nucleare Laboratori Nazionali di Frascati)				
08:30 ↓	M.Kobayashi (High Energy Accelerator Research Organization) CP Violation and B-factory Experiments			FRXAMH01
Circular Colliders				FRXBMH
Chair: C. Biscari (Istituto Nazionale di Fisica Nucleare Laboratori Nazionali di Frascati)				
09:00 ↓	M.Masuzawa (High Energy Accelerator Research Organization Accelerator Laboratory) Next Generation B-factories			FRXBMH01
Linear Colliders, Lepton Accelerators and New Acceleration Techniques				FRXCMH
Chair: C. Biscari (Istituto Nazionale di Fisica Nucleare Laboratori Nazionali di Frascati)				
09:30 ↓	J.-P.Delahaye (European Organization for Nuclear Research) Towards CLIC Feasibility			FRXCMH01
10:00 ↓	C.Joshi (University of California, Los Angeles) Plasma Accelerators for Future Colliders			FRXCMH02
10:30 ↓ 11:00	Coffee Break			
11:00 ↓	N.R.Holtkamp (ITER International Team) International Energy Related Developments, ITER and IFMIF			FRYMH01
11:30 ↓	J.Kirkby (European Organization for Nuclear Research) Cloud Project: Climate Research with Accelerators			FRYMH02
12:00 ↓	J.Bluemer (Karlsruhe Institute of Technology) The Pierre Auger Observatory: Cosmic Accelerators and the Most Energetic Particles in the Universe			FRYMH03
12:30 ↓	A.Noda (Kyoto University Institute for Chemical Research Advanced Research Center for Beam Science) Closing Remarks			FRYMH04
12:45 ↓	O.S.Brüning (European Organization for Nuclear Research Beams Department (BE)) Closing Remarks			FRYMH05

- **ITER & IFMIF – Holtkamp**  
- How to organize such a gigantic project and reasons for overrunning the budget.
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