



# Cyclotrons 2004 Conference

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Cyclotron Conference 2004 - Microsoft Internet Explorer

ファイル(F) 編集(E) 表示(V) お気に入り(I) ツール(T) ヘルプ(H)

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アドレス http://ribfweb1.riken.go.jp/cyc2004/index.html

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## Cyclotrons 2004

*International Conference on Cyclotrons and Their Applications*

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**General Info**

- Introduction
- Topics
- Conference Venue

18-22 October, 2004  
Tokyo International Exchange Center, Tokyo, JAPAN

**Author's Info**

- Registration
- Abstract
- Paper Format
- Paper Submission
- Poster
- Search
- Participants

**Travel Info**

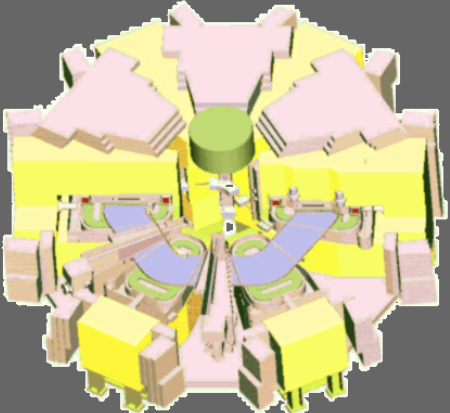
- Accommodation
- Transportation
- Visa

**Useful Info**

- Maps
- Eatery/Restaurant
- Money
- More..

**Sponsors**

- Exhibitors
- ?
- ?
- ?



W3C XHTML 1.0 W3C CSS

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インターネット

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/cyc2004](http://ribfweb1.riken.jp/cyc2004)

Presented by  
T. Tanabe



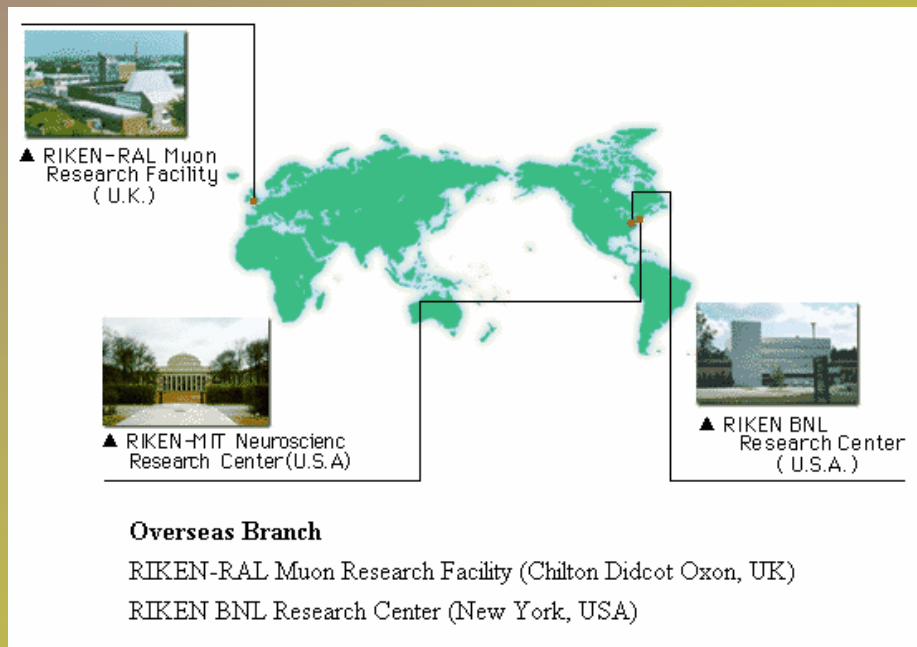
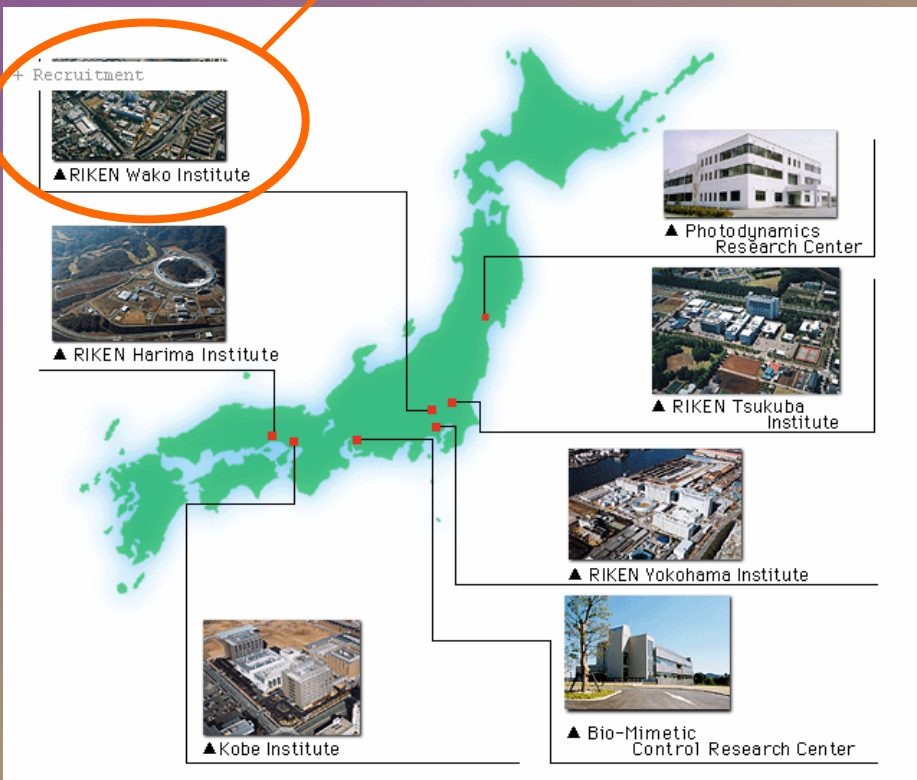
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# Riken Institutes Map

## Japan

## World

Cyclotron Center







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# Wako Campus



加速器地区(仁科記念棟)

RIBF建設現場

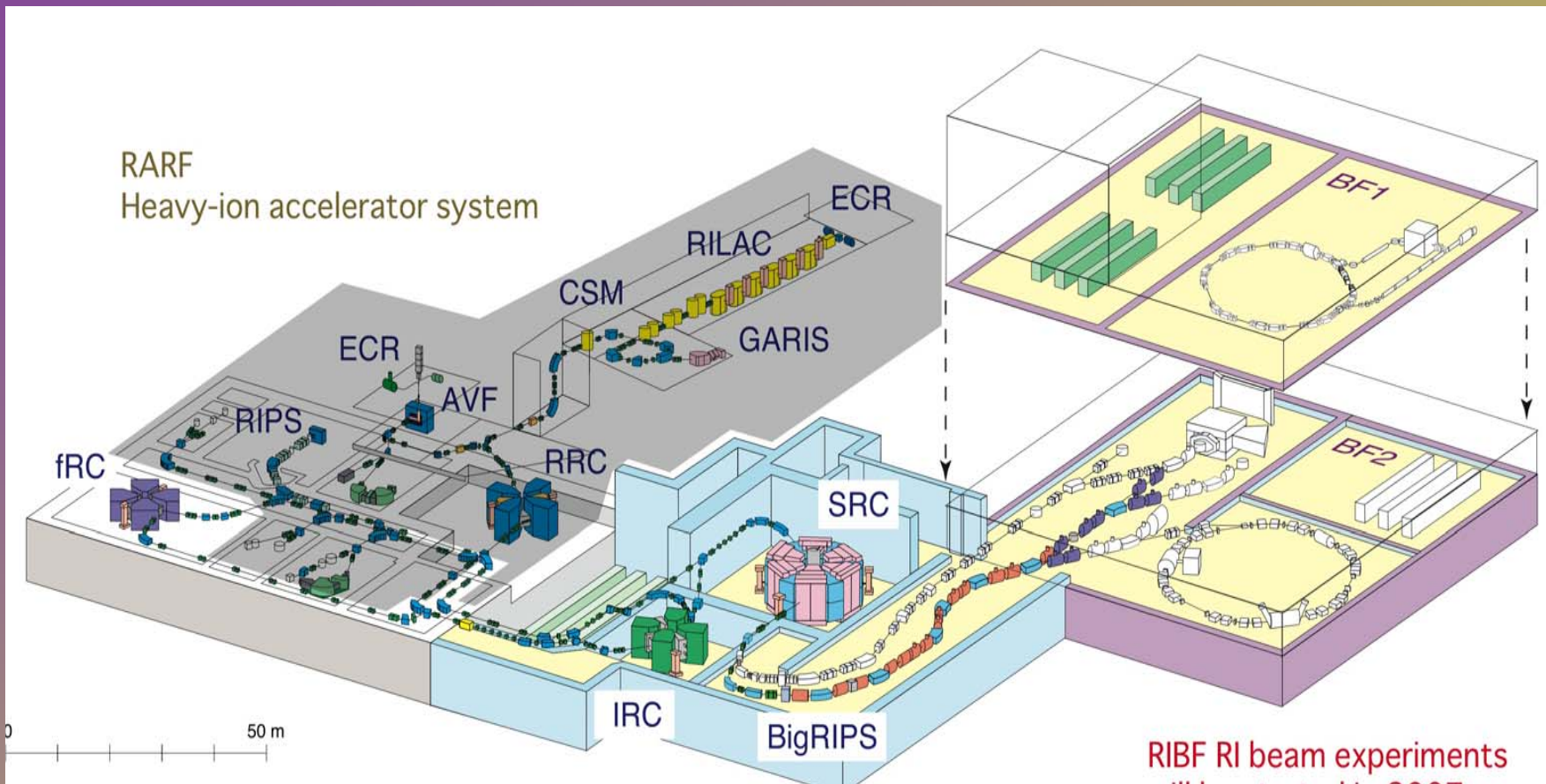
東京大学大学院理学系研究科付属  
原子核科学研究センター





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# Cyclotron Center



RIBF RI beam generator featuring superconducting ring cyclotron (SRC) and projectile fragment separator (BigRIPS) will be commissioned in 2006.

RIBF RI beam experiments will be started in 2007.

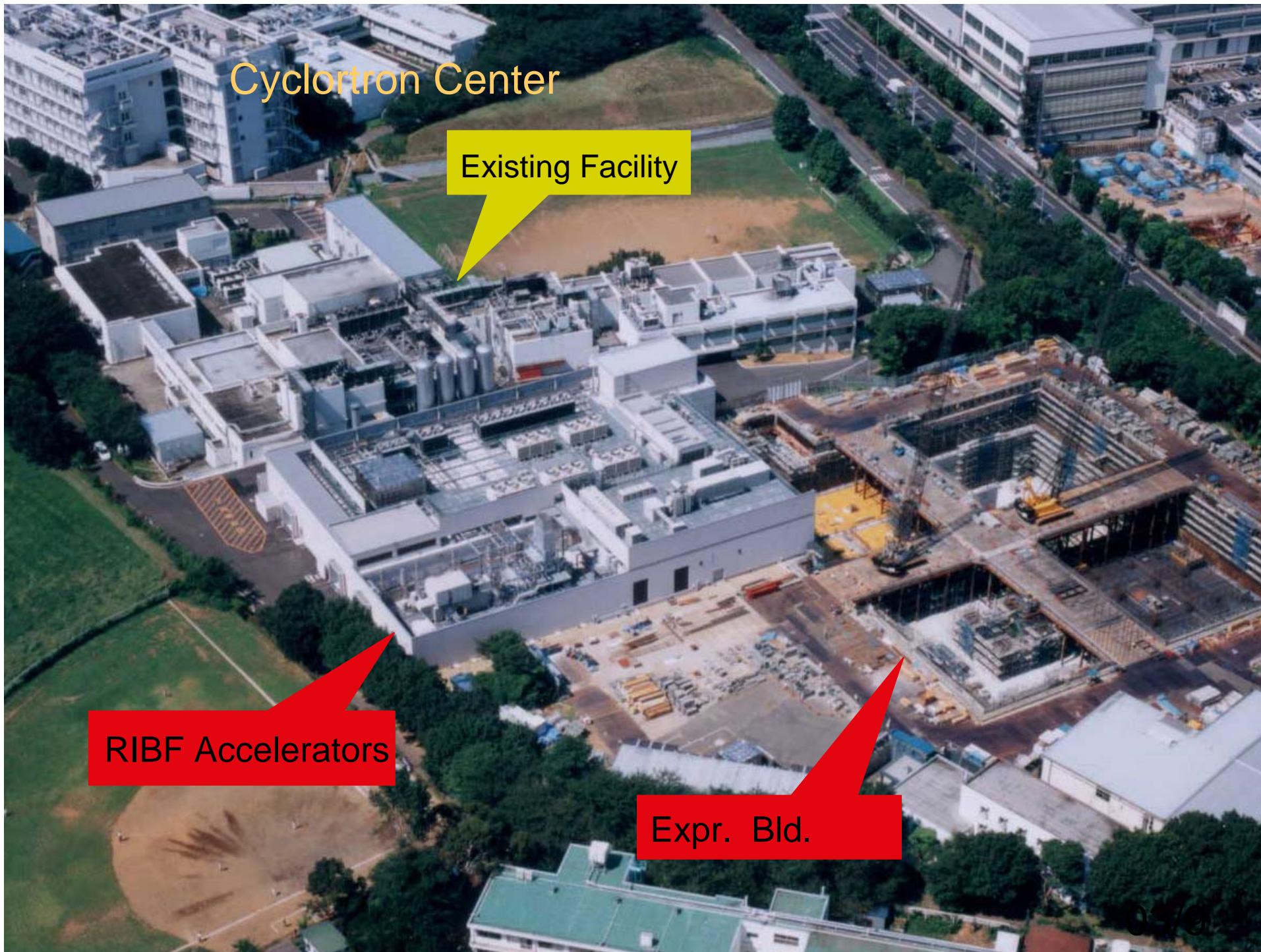


Cyclotron Center

Existing Facility

RIBF Accelerators

Expr. Bld.



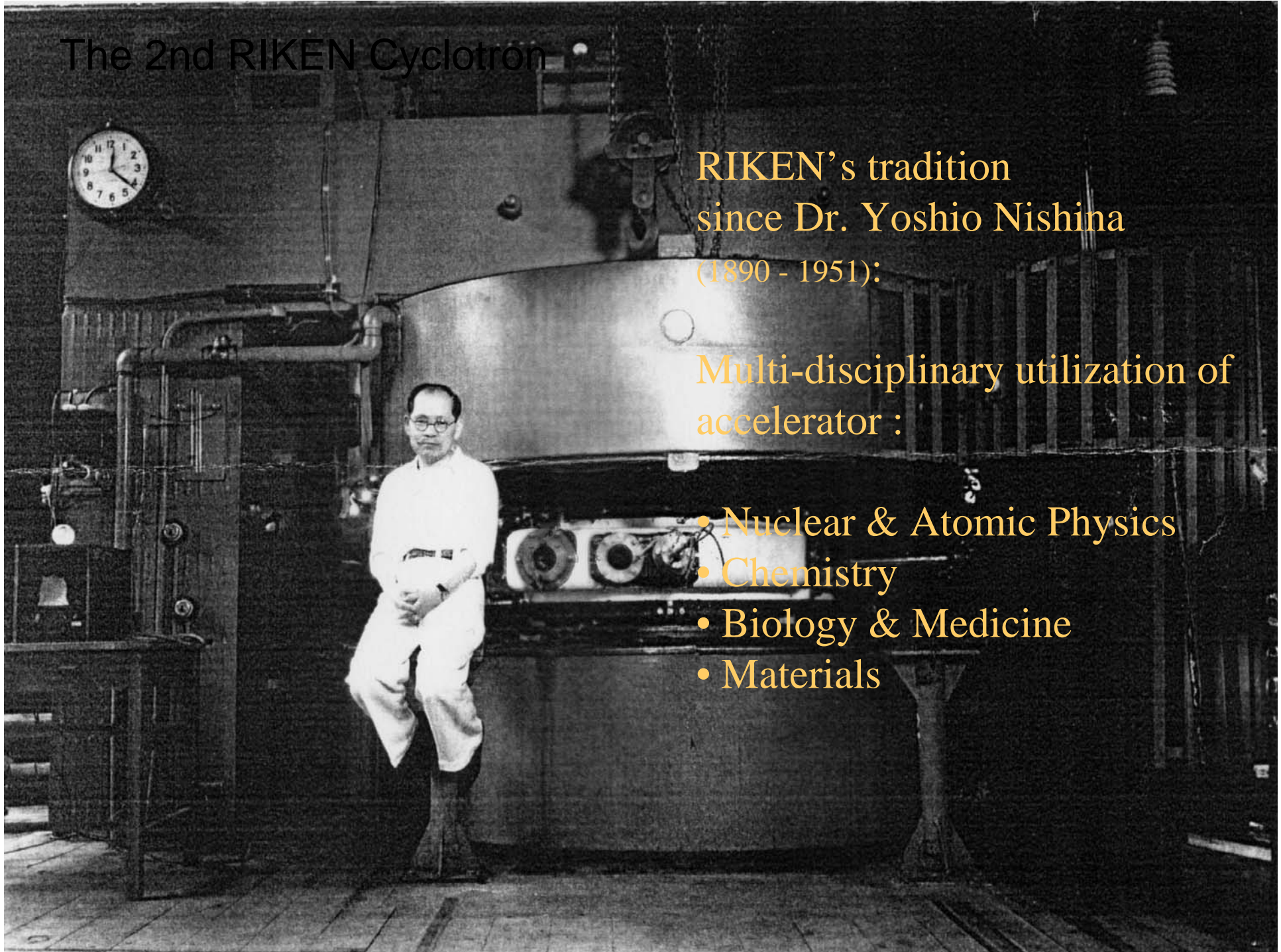


## The 2nd RIKEN Cyclotron

RIKEN's tradition  
since Dr. Yoshio Nishina  
(1890 - 1951):

Multi-disciplinary utilization of  
accelerator :

- Nuclear & Atomic Physics
- Chemistry
- Biology & Medicine
- Materials

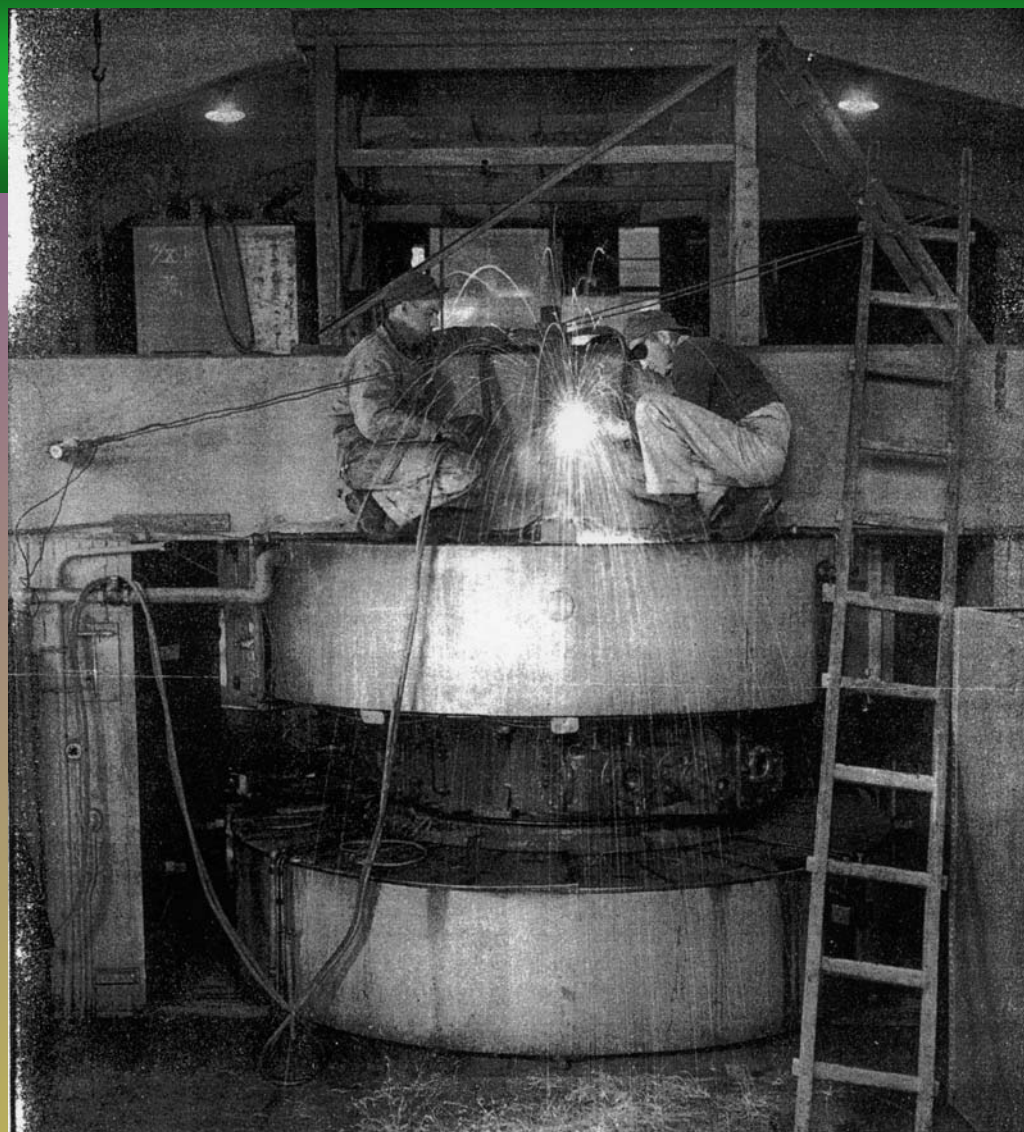






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## After the WW2 in occupied Japan (Life Magazine)



GI ENGINEER, USES ACETYLENE TORCH TO DISMANTLE LARGER OF DR. NISHINA'S TWO CYCLOTRONS. MACHINE WAS PARTITIONED TO FACILITATE DUMPING AT SEA

### CYCLOTRON SMASHING

American soldiers demolish and sink  
precious Jap scientific equipment

Last month American soldiers, acting on orders from above, hacked a path with bulldozers to the doors of the Nishina Laboratory in Tokyo's Institute of Physical and Chemical Research and dismantled two of Japan's five atom-smashing cyclotrons. Dr. Nishina, whose larger cyclotron (above) was partly U.S.-built, had been working under strict supervision on medical and biological research. His apparatus could not have been used to make an atomic bomb. Despite this, parts of the dismantled 200-ton

cyclotron were loaded on two Army cargo ships and dumped in Tokyo Bay. Meanwhile in Kyoto and Osaka other GIs descended upon and destroyed Japan's three other cyclotrons. U.S. scientists were enraged. The Association of Oak Ridge Scientists called the action a "crime against mankind." For the original order every one blamed the chain of command, which led ultimately to the Secretary of War, who admitted it had come from his office, though not directly from him. It was, he said, a mistake.





The 4-th RIKEN Cyclotron  
(Japan's First Heavy Ion Accelerator)





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# K540-MeV RIKEN Ring Cyclotron (RRC) (1987- )



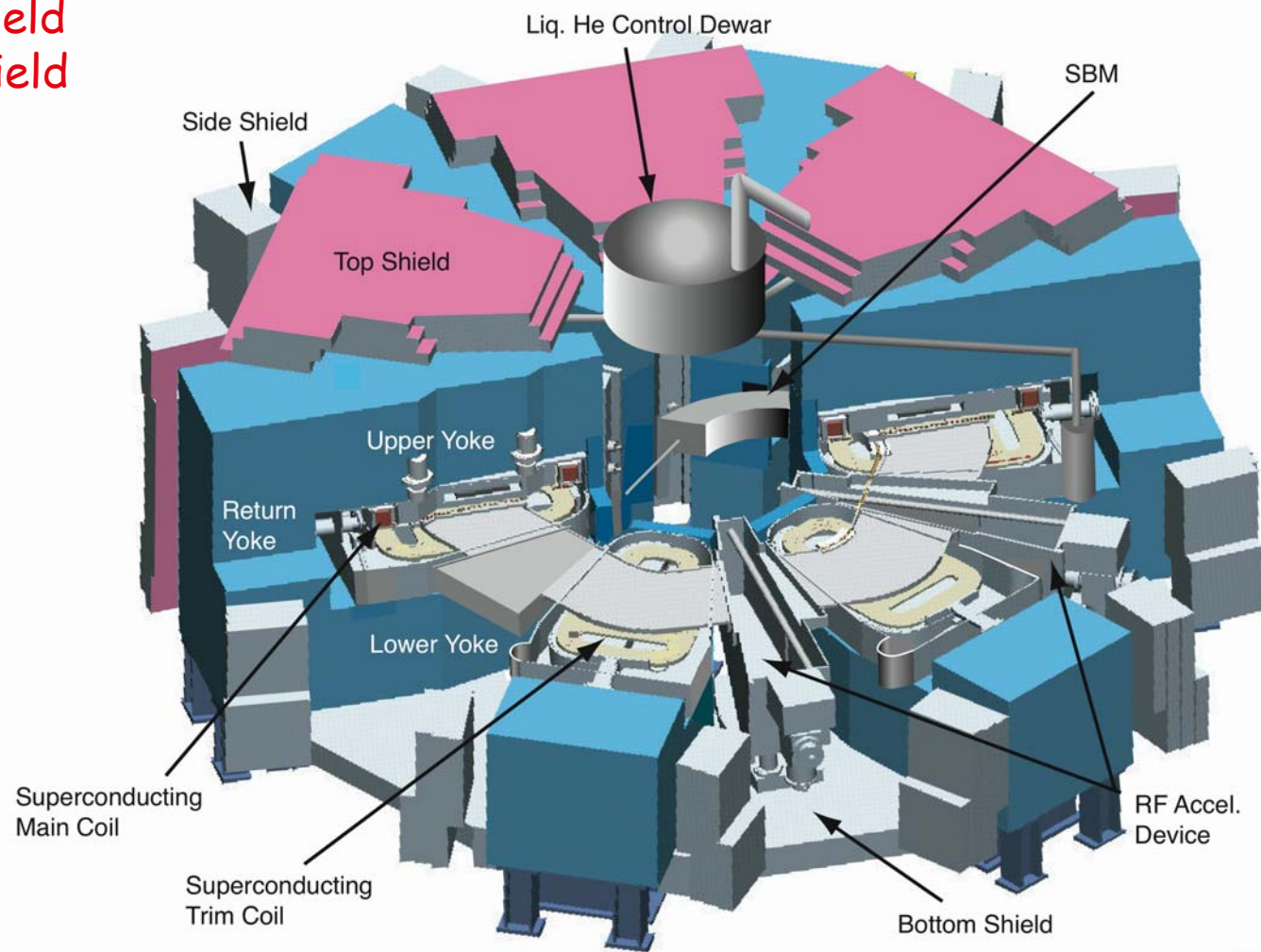




# Superconducting Ring Cyclotron (SRC) (world first)

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**K = 2,500 MeV**  
**Self Magnetic Shield**  
**Self Radiation Shield**  
**3.8T (240 MJ)**  
**18-38 MHz**  
**7,800 tons**





Assembling SRC

Aug. 2003







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# Previous Conferences

## Previous Cyclotron Conference Info.

City	Year	Participants	Countries	Oral sessions	Invited papers	Contributed papers	Poster sessions	Poster papers	Company exhibition
Tokyo	1986	213	20	---	25	40	3	142	---
		( Japan 107 / non-Japan 106 )							
Berlin	1989	213	---	12	17	28	4	102	---
Vancouver	1992	241	---	15	24	36	---	130	26
Cape Town	1995	210	26	14	28	28	2	125	---
Caen	1998	239	33	12	19	30	---	124	---
East Lansing	2001	182	24	---	32	21	---	80	---





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Poster  
(tentative)

# Seventeenth International Conference on Cyclotrons and Their Applications 2004

October 18 - 22, 2004  
National Olympic Memorial Youth Center  
Tokyo, Japan

sozai.com

- International Organizing Committee**
- E. Baron, OSHE
  - S. Brandenburg, KVI
  - L. Cabibetta, INFN
  - L. Comradis, NSO
  - M. Graddock, TRIUMF
  - O. Duffka, TRIUMF
  - M. Francou, IGH
  - S. Galan, IGH
  - Y. Hirao, NIFS
  - H. Hoyerer, MZL
  - V. Jorgens, IGF
  - E. Lukanov, Univ. of Tsukuba
  - O. Lyneis, LBNL
  - K. Maier, Univ. of Bonn
  - F. Mook, MZU
  - D. May, Texas A&M Univ.
  - V. Morf, KEK
  - M. Mukhopadhyay, NSO
  - K. Oganesyan, JINR
  - L. Orlovichuk, JINR
  - D. Kildad, Univ. of Uppsala
  - O. Ryckewaert, UCL
  - K. Sato, RIKEN
  - P. Schmuckbach, PSI
  - H. Schneider, 2502 cyclotron @ U. Tsukuba, RIKEN (Co-ord. Chair)
  - W. Zhang, INFN
- Program Committee**
- E. Baron, OSHE
  - M. Graddock, TRIUMF
  - S. Galan, RIKEN
  - O. Lyneis, LBNL
  - F. Morf, NSO
  - K. Oganesyan, JINR
  - O. Ryckewaert, UCL
  - K. Sato, RIKEN
  - T. Stannbach, PSI
  - V. Yanv, RIKEN (Co-ord. Chair)
- Local Organizing Committee**
- M. Fukunishi
  - S. Galan (Chair)
  - H. Inaba
  - S. Ito
  - O. Kanigala
  - M. Kase
  - J. Okada
  - H. Okuno
  - M. Sakamoto
  - T. Tamaki
  - M. Wakasugi

Sponsorship:  
The Institute of Physical and Chemical Research (RIKEN)  
URL: <http://www.riken.jp>





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# New Venue

<http://www.nyc.go.jp/e/index.html>

▶ Japanese



## National Olympics Memorial Youth Center



● Presentation of the Center

● Information for Users

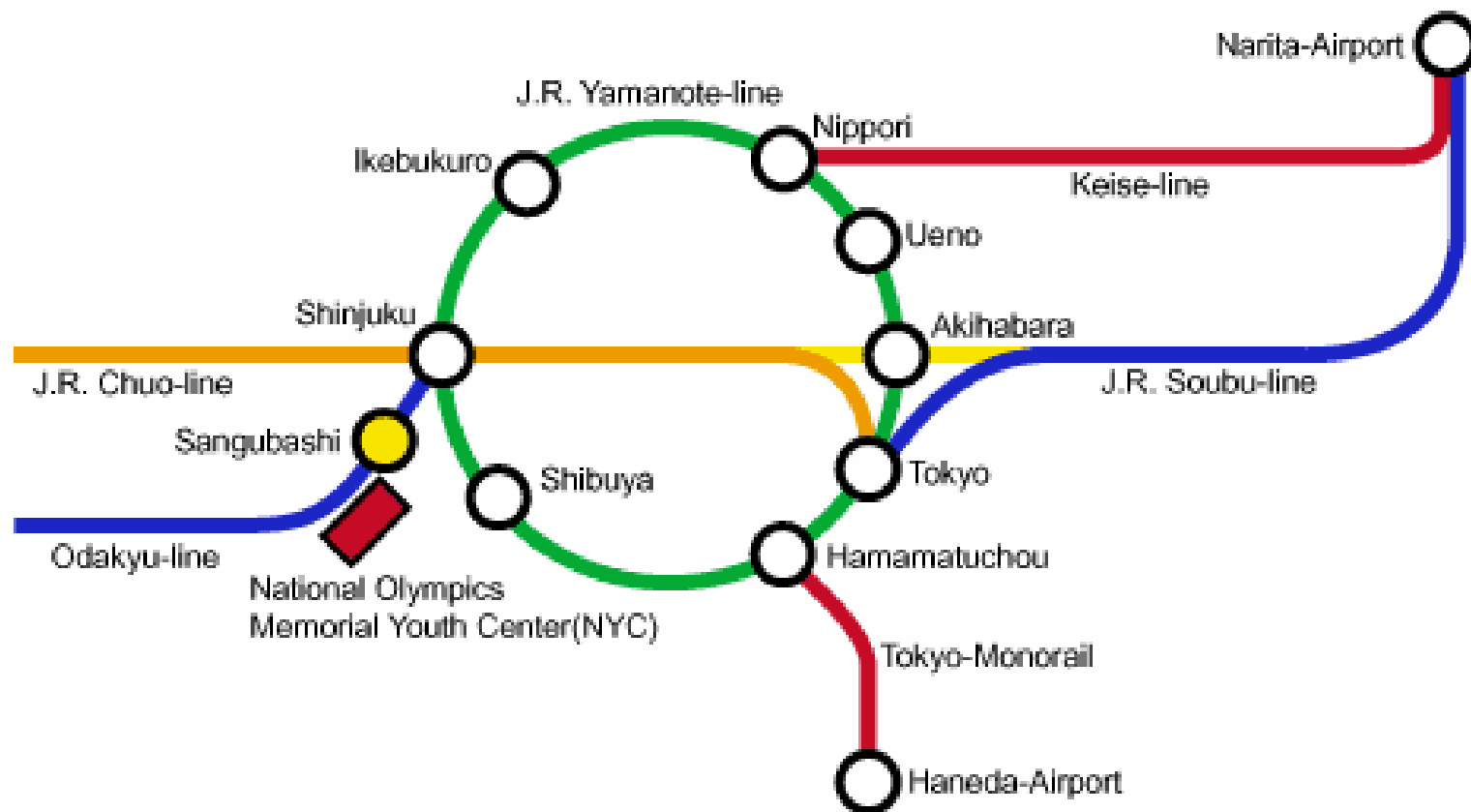
● Sustaining Programs  
and Research Activities

National Olympics Memorial Youth Center (NYC)  
3-1, Yoyogi Kamizono-cho, Shibuya-ku, Tokyo 151-0052  
TEL: +81-3-3467-7201 (Pilot number)



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# Location







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# Facilities





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# Conference Week Schedule

	Oct 17 (Sun)	18 (Mon)	19 (Tue)	20 (Wed)	21 (Thu)	22 (Fri)	23 (Sat)	
9:00~		Welcome						
		Oral Session						
		Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break		
						Summary	Tour of KEK	
		Lunch	Lunch	Lunch	Lunch			
						Fun Day	Tour of RIKEN	
	Registration & Get-together Party	Poster Session	Poster Session	Poster Session				
				Reception		Banquet	Farewell Party at RIKEN	

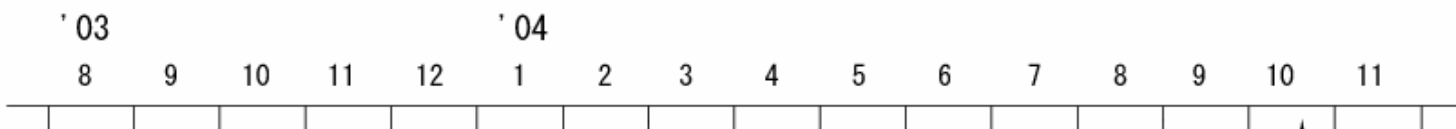




# Overall Schedule

## Cyclotrons 2004 Conference Schedule

2003. 8. 28



- Selection of Invited talks (by IOC & PC members)
- Request to vote for the selection of Invited talks (PC) **Conference**
- Comment and Request for submission of the invited talks (PC)
- Comment and Request for submission of the invited talks (IOC)
- First Circular (No invited talks shown)
- Invitation sent to the invited speakers
- ★ Mail to inform of the listing the invited talks on the web
- Second Circular & Call for Papers  
Abstract request, Acceptance of participation
- Abstracts database
- Oral/Poster selection (PC members) ——
- Comment and request for confirmation of the program plan (PC) —
- Comment and request for confirmation of the program plan (IOC) —
- Oral/Poster notification, Invitation for session chairmen ——
- Third Circular ——