

JUSTIPEN in, for and from Japan

T. Otsuka

Japanese members of the steering committee :

H. Sakai

T. Otsuka

T. Motobayashi

H. Horiuchi

(1) Host

Nuclear Physics community of Japan

Working body to receive visitors from US

Todai-RIKEN Joint International Program
for Nuclear Physics

A special position (associate professor), recognizing
the particular importance of physics of exotic nuclei,
has been given by the president of the Univ. of Tokyo
→ Itagaki

Opening ceremonies

June 30 Todai-RIKEN program

July 10-11 JUSTIPEN

Todai-RIKEN Joint International Program for Nuclear Physics

Established on June 30, 2006

for promotion of international collaboration and exchange



President Komiyama,
Univ of Tokyo



Executive Director Okuma
(for president Noyori),
RIKEN



Dean Iwasawa,
School of Science,
Univ of Tokyo



Director Yano,
Nishina Center,
RIKEN



Otsuka,
Program Director

Opening Ceremony

July 10-11, 2006, Wako

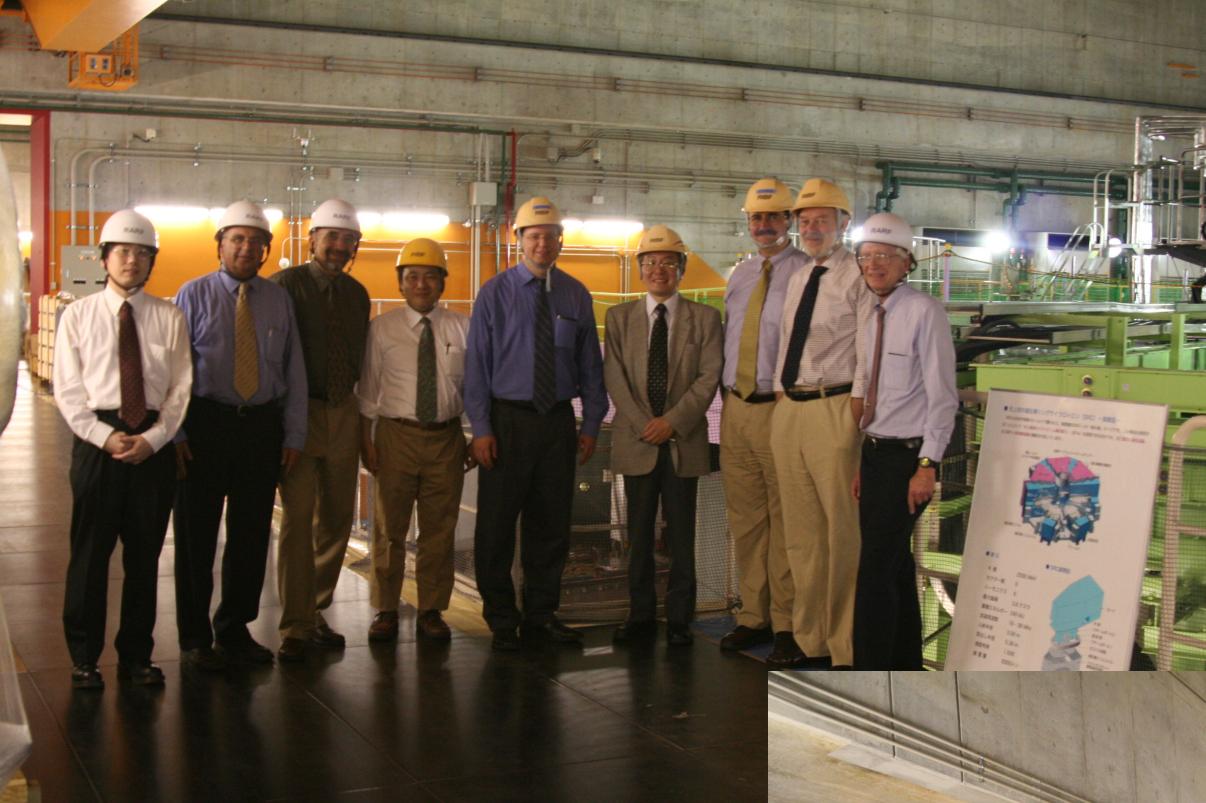
Prof. S. Coon



Prof. A. Arima



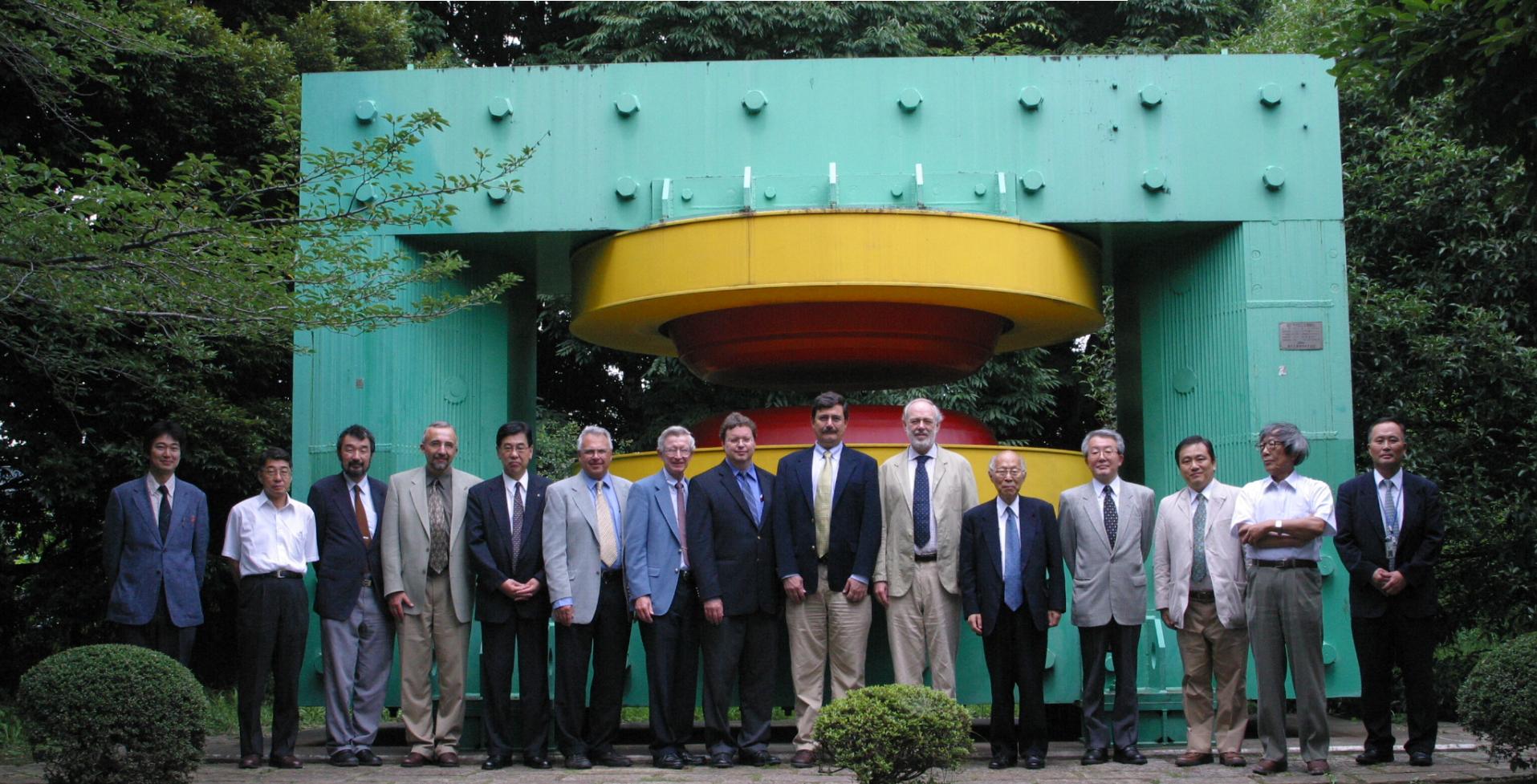
Superconducting Cyclotron



SHARAQ site



Old Cyclotron (exhibited in RIKEN)



O-Bento



Participants

(2) Activities abroad
bilateral counter part of US JUSTIPEN program

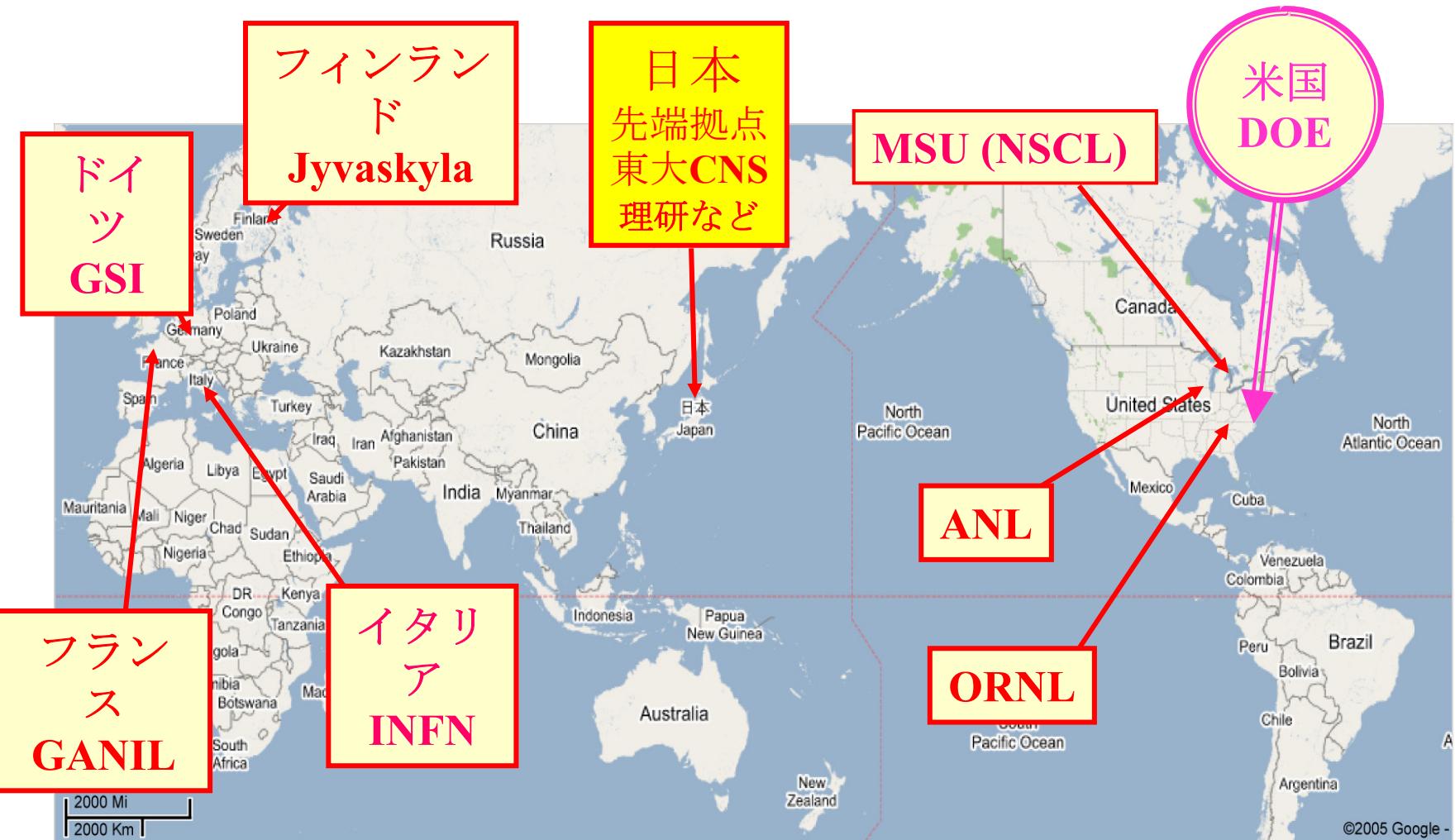
JSPS core-to-core project
Creation of international network on selected subjects

Research network “Exotic Femto Systems”
(EFES)

has been approved and is running.
This workshop is its first workshop outside Japan.

Next two pages are from the ppt file I have used in my presentation in JSPS in January 2006.

エキゾチック・フェムトシステム国際研究ネットワーク
に参加する世界の主要国と研究機関など



マッチングファンドの進行状況

申請時よりさらに発展

アメリカ、フランス、ドイツについて紹介

アメリカ DOE からのマッチングファンド決定の知らせ

2006年～2008年の3年間、アメリカから研究者が来日して
滞在し、共同研究するファンドが認められた

It is a great pleasure to inform you that the **DOE** has decided to support the collaborative studies for Physics of Exotic Nuclei up to **US\$50,000** from 1 February through 31 December 2006, and **more for the following two years (2007 and 2008)**. By this support, we can send a large number of physicists from the US to Japan for collaborative research activities.

Sincerely,

David Dean
RIA theory committee, Chair

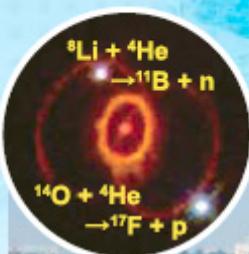
Primary driving force : CNS

CNS : Center for Nuclear Study,
Graduate School of Science, the University of Tokyo

rooted in the Institute of Nuclear Study (INS)
which was split into CNS and a part of KEKK



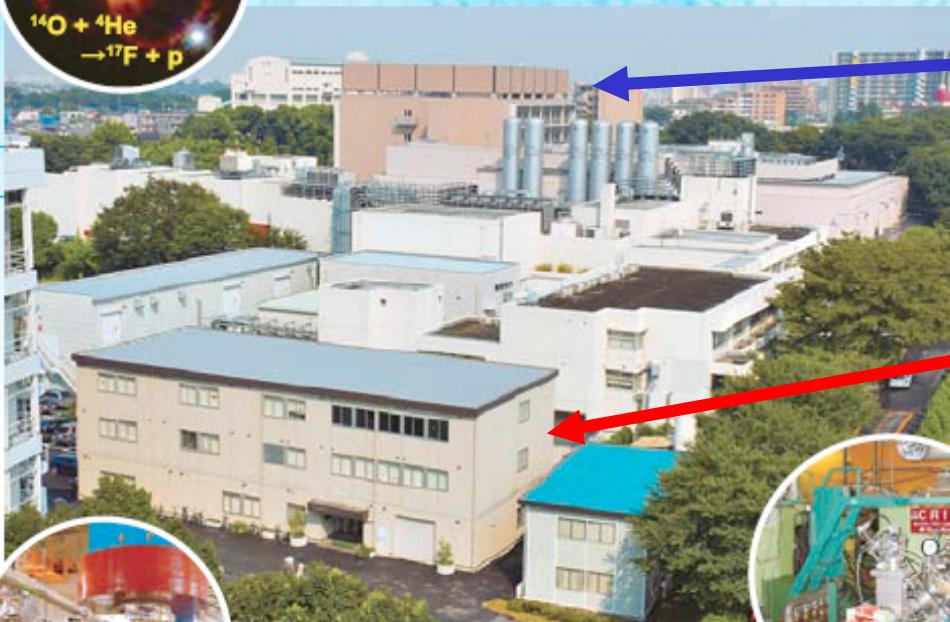
Public Relations
Magazine of
the School of
Science, the
University of
Tokyo
Sep. 2005



東京大学理学系研究科・理学部ニュース

2005年9月発行 37卷3号

<http://www.s.u-tokyo.ac.jp/>



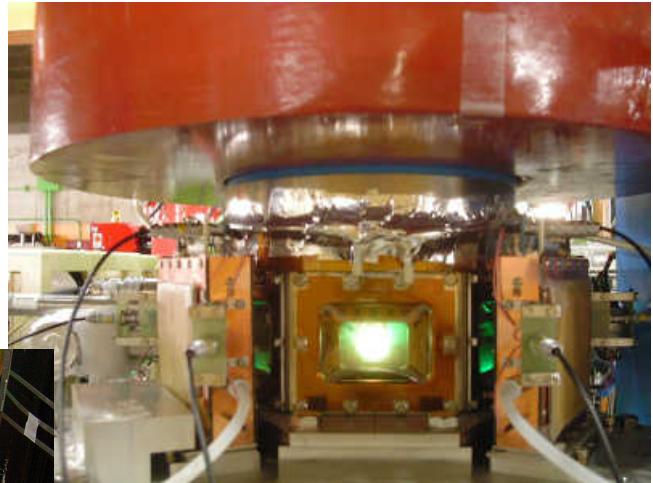
RIBF building



CNS building

Research activities of CNS A quick view

Gamma-ray
spectroscopy

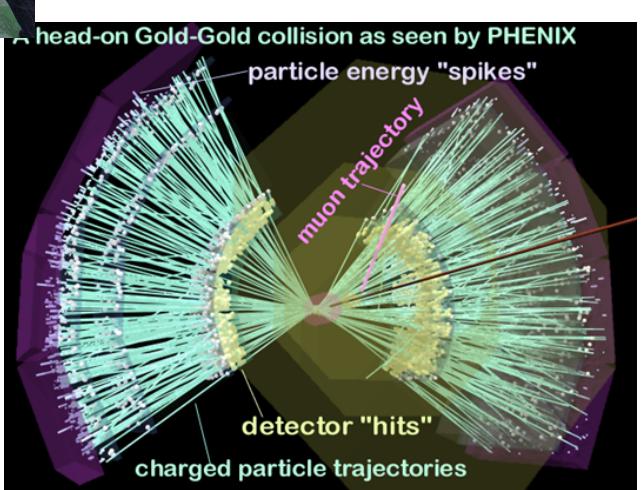


Polarized target



Theory

RHIC

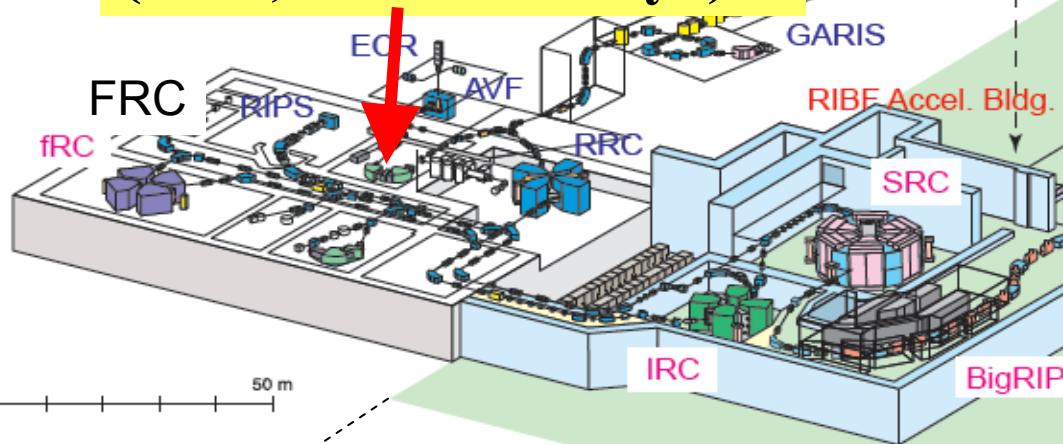


RIKEN RIBF Facility

Low Energy RIBs
($\leq 10\text{MeV/u}$)

CRIB

(CNS, Univ. of Tokyo)



present

new

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

Search Facility (RARF)

ECR

GARIS

RIBF Accel. Bldg.

SRC

IRC

BigRIPS

RIBF

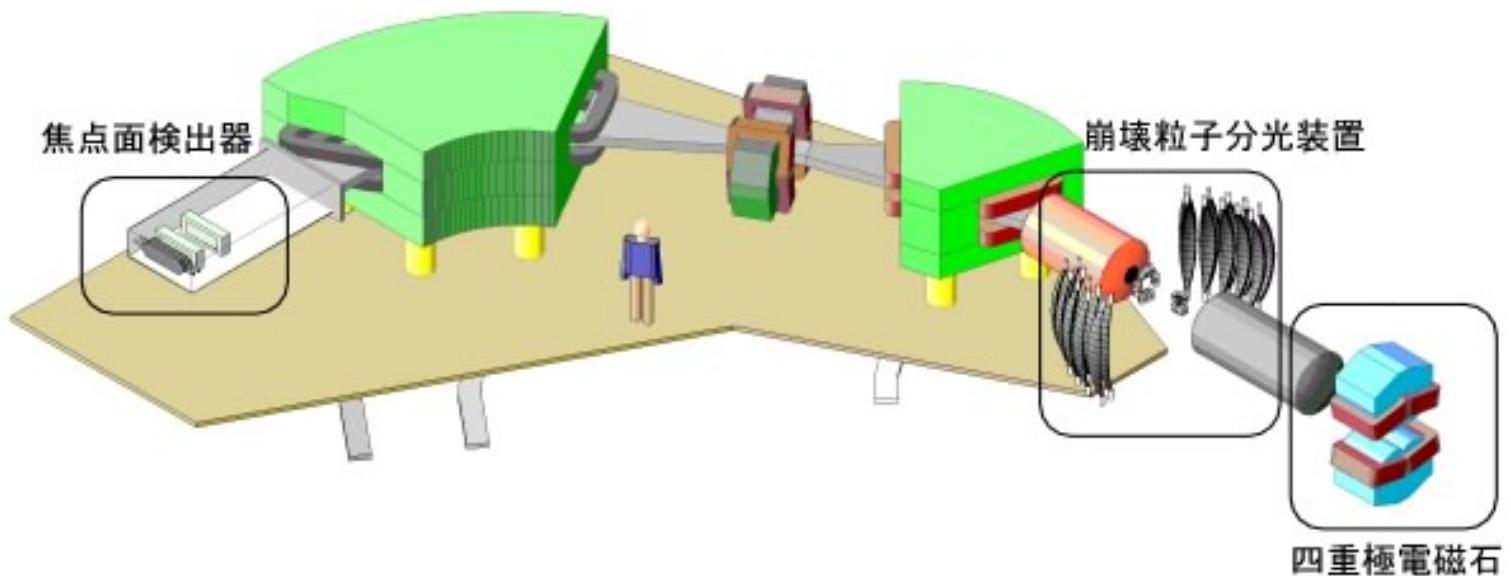
RIBF Exp. Bldg.

SHARAQ
(High-resolution
Spectrograph)
(CNS+Physics,
Univ. Tokyo)

SHARAQ spectrometer
CNS + Physics (Sakai) + RIKEN

will be added
(~2009).

SHARAQスペクトロメータ



JUSTIPEN visitors so far

1. B.A. Brown August
2. C. Bertuloni October-November
3. Y. Sun December
4. P. Moller December

Paper published

Phys. Rev. C 74, 061303(R) (2006) (5 pages)

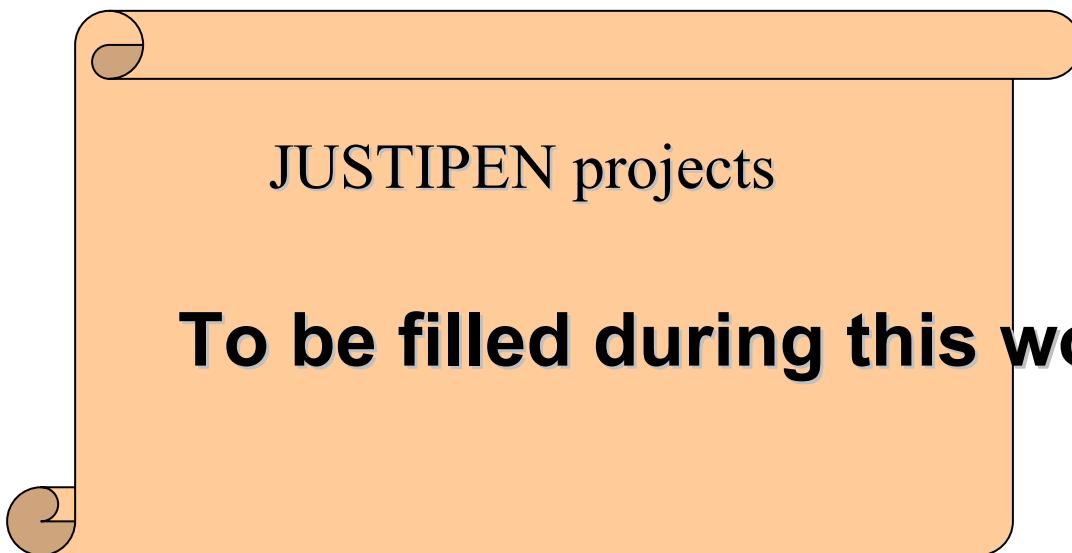
“Tensor interaction contributions to single-particle energies”

B. A. Brown, T. Duguet, T. Otsuka, D. Abe, and T. Suzuki

JUSTIPEN in both countries

From exchange of visitors to initiating collaborative challenge of new physics with exotic nuclei

“Exotic Femto Systems” has started this effort with European countries.



JUSTIPEN projects

To be filled during this workshop

This workshop has been organized in the Japanese side by the ordinary member of the steering committee and two more members: Matsuo (Niigata) and Noro (Kyushu).

19 Japanese participants

supported by EFES (11+1*)

by Univ. Tokyo (2) under joint program with RIKEN

by RIKEN (3)

by own grants (2)

* Partly by ORNL