

5th International Conference on “Fundamental Physics Using Atoms

- Towards better understanding of our matter universe-”

A. Date and place

Date: October 8 (Saturday) --- 10 (Monday), 2011

Venue: Lecture Hall (Faculty of Education), Okayama University, Tsushima Campus

See the map of Okayama attached below.

Registration deadline: (1st round) **July 7, 2011**



B. Purpose

Conference objective:

Recently much effort has been directed to investigation of the fundamental physics by exploiting remarkable developments in atomic/molecular physics and quantum optics techniques. Examples include (A) test of the time reversal invariance by observing permanent electric dipole moments of atoms or molecules, (B) neutrino mass spectroscopy using atoms, (C) measurement of fine structure constant's time dependence with precision atom clock etc.. Following the preceding five conferences, this conference aims to bring together recent research results, to discuss future prospects, and to expand research network, making this field more active and productive. In particular, we focus on understanding of our matter universe this year.

C. Program

The oral program consists of invited talks alone. See the separate sheets for detail. The

time table below shows a rough schedule.

October 08 (Sat)	10:30-17:00 Oral session	17:00-18:30 Poster session
October 09 (Sun)	9:30-13:00 Oral session	18:00-20:00 Conference dinner
October 10 (Mon)	9:30-17:00 Oral session	

D. Registration

Please fill in the form below and send it to [fpua2011\(AT\)fphy.hep.okayama-u.ac.jp](mailto:fpua2011(AT)fphy.hep.okayama-u.ac.jp).

(Replace (AT) with @)

Registration form:

- (1) Name:
- (2) Affiliation:
- (3) E-mail address:
- (4) Oral presentation : Yes / No.

Title and short abstract:

- (5) Poster presentation : Yes / No

Title and short abstract:

- (6) Travel support: Yes, I need it / No.
- (7) Conference dinner: Yes, I attend / No.

Note:

- 1) Registration deadline: (1st round) **July 7, 2011**.
- 2) Whether proposed talks are accepted or not is decided by the organizing committee.
- 3) Our policy for travel support is as follows:

The travel expenses (economy class) plus lodging expenses during the conference will be supported for the invited speakers. For the other participants, we support the travel/lodging expenses partially, since our funding is limited.

E. Poster Session

The poster session will be held from 17:30 to 19:00 on October 8 (1st day) in a lecture room adjacent to the main conference room. The poster size should be 84cm (width) ×120cm (height) (A0) or smaller..

F. Conference Dinner

Date: October 9 (Sunday) 18:00

Place: Kurashiki Kokusai Hotel

Dinner fee: 5000 yen

See the map of Kurashiki attached below.



G. Maps and access

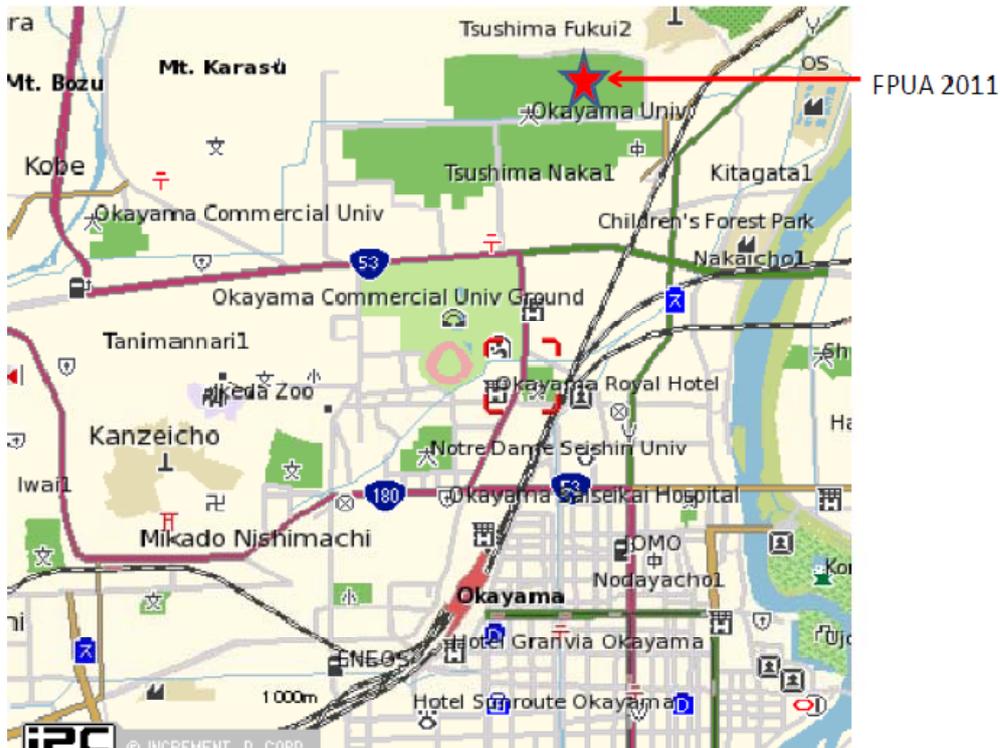
From Kansai air port to Okayama:

1. Take JR line from Kansai airport to Shin-Osaka. It is just a one-hour ride by “Haruka”, the express train which leaves every 30 minutes during a day time.
2. Take a Shin-kansen train from Shin-Osaka to Okayama. It is another one-hour ride or so.



Map of Okayama:

Most of hotels are within walking distance. Take taxi if you have many pieces of luggage with you. The map below may be helpful to find where you are in the city.



Map of Kurashiki :



H. Proceedings

We will publish conference proceedings. All oral speakers are invited to submit a paper. Each paper should be 8 pages or less, written in English, in a camera-ready form. The poster presenters may also submit a paper of 4 pages or less. The deadline will be announced in the conference.

I. Organizing Committee

Organizer: e-mail address: [fpua2011\(AT\)fphy.hep.okayama-u.ac.jp](mailto:fpua2011(AT)fphy.hep.okayama-u.ac.jp)

Noboru Sasao (chair) (Okayama),

Koichiro Asahi (Tokyo Institute of Technology)

Yasuhiro Sakemi (Tohoku),

Kazuhiko Sugiyama (Kyoto),

Itsuo Nakano (Okayama)

Kentaro Kawaguchi (Okayama),

Tustomu Yabuzaki (Kyoto),

Motohiko Yoshimura (Okayama),

Takeshi Fukuyama (Ritsumeikan)

Minoru Tanaka (Osaka),

Tadamasa Shida (Kyoto)

Kichiji Hatanaka (Osaka)

Hosted by;

Grant-in-Aid for Scientific Research on Innovative Areas

“Extreme quantum world opened up with atoms”

Co-hosted by;

Research Center of Quantum Universe, Okayama University