



The XXV International Conference on Neutrino Physics and Astrophysics June 3-9 2012 Kyoto, Japan

<http://neu2012.kek.jp/index.html>

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The XXV International Conference on Neutrino Physics and Astrophysics

# NEUTRINO 2012

June 3-9 2012 Kyoto, Japan

June 3, Kyoto University Clock Tower Centennial Hall  
June 4-9, Kyoto TERRSA

#### Hosted by

Science Council of Japan (plan)  
The Physical Society of Japan

#### Co-hosted by

Kamioka Observatory, Institute for Cosmic Ray Research (ICRR), University of Tokyo  
Kyoto University  
High Energy Accelerator Research Organization (KEK)

#### Conference Convenors

NAKAYA Tsuyoshi (Kyoto) [chair]  
NAKAHATA Masayuki (ICRR, Tokyo/IPMU) [co-chair]  
KOBAYASHI Takashi (KEK) [co-chair]

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### International Advisory Committee

Frank T. Avignone III (South Carolina), Alexander Bellini (CERN, Underground), Massimo Cadedini (Padova), Janet Conrad (MIT), Guido Drexlin (Karlsruhe)  
John Ellis (CERN), Antonio Ereditato (Bern), Ettore Fiorini (Milano), Francis Halzen (Wisconsin), Ryoichi Hasegawa (Tokyo), Takashi Kajita (ICRR Tokyo)  
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Naba Mondal (Tata Institute), Hitoshi Murayama (IPMU Tokyo, Berkeley), Kojiro Nakagawa (KEK), Pier Oddone (Fermi Lab), Regina Ramello (Fermilab)  
Mike Shaevitz (Columbia), A.Yu. Smirnov (ICTP, Trieste), Henry Sobel (Jvina), Masatoshi Taketai (KEK), Yoshio Suzuki (ICRR Tokyo)  
Raymond Weiss (Melbourne), Yifeng Wang (Beijing), David Work (Bipolar), Stan Willock (Stanford)

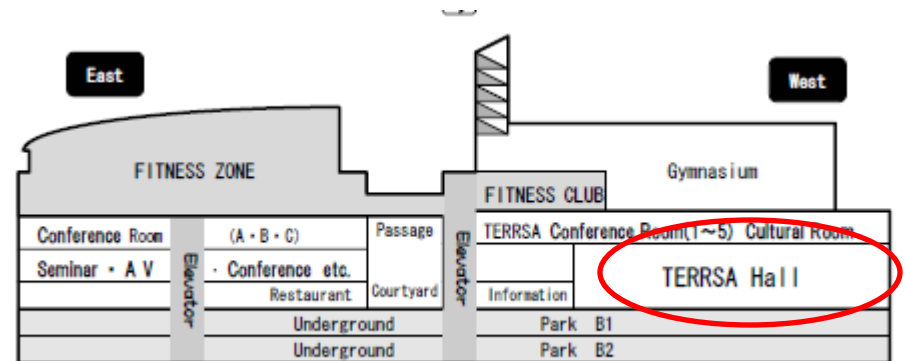
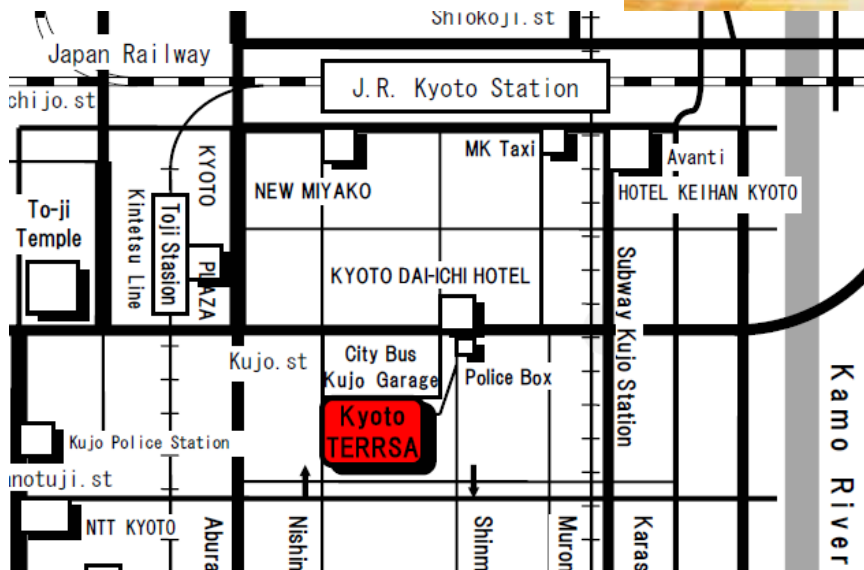
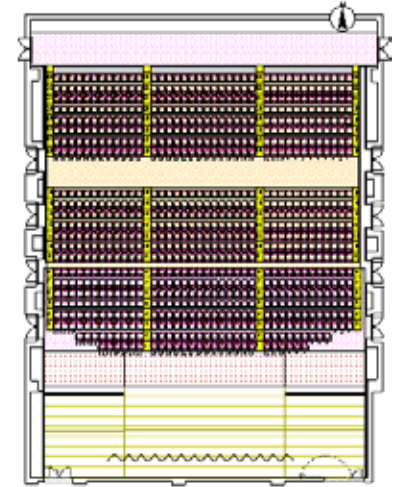
### Local Organizing Committee

Shigeki Aoki (Kobe), Atsuko K. Ichikawa (Kyoto) [secretary], Kunihiro Iwata (Tokyo), Takashi Kajita (ICRR Tokyo, IPMU), Hirotaka Kawanishi (Kyoto)  
Toshitaka Kobayashi (Osaka), Takashi Kobayashi (KEK) [co-chair], Masahito Kuroki (Osaka), Takasumi Maruyama (ISEK), Akihiro Morimoto (Kyoto)  
Hisashi Murayama (IPMU Tokyo, Berkeley), Masayuki Nakahata (ICRR Tokyo, IPMU) [co-chair], Mitsuhiro Nakamura (Nagoya), Tsuruyoshi Nakaya (Kyoto) [chair]  
Koichiro Nishikawa (KEK) [advisor], Noboru Sasao (Okayama), Yoshio Suzuki (ICRR Tokyo, IPMU), Takahiro Tanaka (YITP Kyoto), Toru Tanimori (Kyoto)  
Kazuhiko Yamamoto (Osaka City), Osamu Yasuda (Tokyo Metropolitan), Masashi Yokoyama (Tokyo)



# 1. CONFERENCE VENUE

<http://www.kyoto-terrsa.or.jp/index.html> (Japanese Only)



# Meeting Facilities

## Kyoto Terrsa

1. Reserved for June 3<sup>rd</sup> to 9<sup>th</sup>, 2012.
2. Capacity: 856 seats (adjustable)
3. With many other meeting rooms (168 persons + 162 persons + more small rooms )
4. Near the Kyoto Station (10 minutes walk)

## 2. Accommodation

- Kyoto was the old capital in Japan and is one of the most popular and attractive cities for visitors with 1000's of temples and shrines.
  - The number of visitors:
    - 48M visitors/year visit Kyoto, and 13M visitors/year stay in Kyoto.
    - 800k **foreign visitors**/year visit and stay in Kyoto
  - The hotels
    - 520 hotel rooms are reserved in Kyoto by using JTB (Japan Travel Bureau). See the next page.
    - Capacity in the city of Kyoto: 11,000 rooms/day
    - Price: ¥6,800~¥20,000 [\$65~\$190]

# NEUTRINO 2012

May 13, 2008



JTB Western Kyoto office

## ACCOMMODATIONS PLAN

\* Duration :June

\* Room rates include tax and service charge but no meals. As for the rates for 2012,  
It will be confirmed one year before. All rooms come with full bath and toilet.

\* Rate with an asterisk (\*) is for twin room with single occupancy.

	Name of Hotel	Rooms		Room charge		Nearest Subway Station Time required
		Single	Twin	Single	Twin	
A	Hotel Granvia Kyoto	-	20	20,000 yen	25,000 yen	Within Kyoto Sta.
	The Westin Miyako Hotel Kyoto	-	30	23,000 yen	25,000 yen	Keage Sta. 1 min. walk
	Kyoto Hotel Okura	20	20	16,500 yen	25,000 yen	Shiyakushomae Sta. 2 min. walk
B	New Miyako Hotel	10	40	10,500 yen	18,000 yen	Kyoto Sta. 3 min. walk
	Kyoto Royal Hotel & Spa	30	30	10,000 yen	17,000 yen	Shiyakushomae Sta. 3 min. walk
	Hotel Keihan Kyoto	20	30	9,000 yen	16,000 yen	Kyoto Sta. 3 min. walk
	Hearton Hotel Kyoto	30	30	9,000 yen	14,000 yen	Oike Sta. 5min. walk
	Kyoto Daini Tower Hotel	30	20	8,500 yen	15,000 yen	Kyoto Sta. 3 min. walk
C	Hotel Gimmond Kyoto	30	10	8,000 yen	14,000 yen	Oike Sta. 5min. walk
	Mitsui Garden Hotel Kyoto Shijo	30	10	8,000 yen	14,000 yen	Shijo Sta. 10min. walk
	APA Hotel Kyoto Ekimae	30	10	8,000 yen	14,000 yen	Kyoto Sta. 7 min. walk
	Kyoto Daiichi Hotel	30	10	6,800 yen	13,500 yen	Kujo Sta. 5 min. walk

Total

520 Rooms

	A	B	C	Total
Single	20	120	120	260
Twin	70	150	40	260

### 3. Organizing Committee

- International Advisory Committee
- International Neutrino Commission
- Local Organization Committee

The above committee are all established.

# 4. Sponsors

- Hosted by
  - The Science Council of Japan
  - The Physical Society of Japan
- Co-hosted by
  - Kamioka, ICRR, U of Tokyo
  - Kyoto University
  - KEK
- Sponsored by
  - IUPAP (C11) -- application was submitted –
  - JSPS (expected)



# 5. Financial considerations

## Expenses (2010 prices)

	Unit Price	Numbers	Total Cost (J-Yen)	Total Cost (US dollar)	Total Cost (Euro)
Facility	¥2,000,000	1	¥2,000,000	\$21,739	€ 17,857
Proceedings	¥8,000	500	¥4,000,000	\$43,478	€ 35,714
Banquet	¥15,000	500	¥7,500,000	\$81,522	€ 66,964
Reception	¥3,000	400	¥1,200,000	\$13,043	€ 10,714
Coffee break	¥3,000	500	¥1,500,000	\$16,304	€ 13,393
Bags + badges	¥2,500	500	¥1,250,000	\$13,587	€ 11,161
Excursion Support	¥5,000	500	¥2,500,000	\$27,174	€ 22,321
Secretary	¥1,000,000	1	¥1,000,000	\$10,870	€ 8,929
Scholarships	¥3,000,000	1	¥3,000,000	\$32,609	€ 26,786
3rd World Support	¥3,000,000	1	¥3,000,000	\$32,609	€ 26,786
Outreach	¥1,000,000	1	¥1,000,000	\$10,870	€ 8,929
Extra Service	¥1,000,000	1	¥1,000,000	\$10,870	€ 8,929
Poster, Program, abstract printing	¥1,000,000	1	¥1,000,000	\$10,870	€ 8,929
<b>Total Expense</b>			<b>¥29,950,000</b>	<b>\$325,543</b>	<b>€ 267,411</b>
Exchange Rate				¥92	¥112

# Expected Income and Sponsors

	Unit Price	Numbers	Total Cost (J-Yen)	Total Cost (US dollar)	Total Cost (Euro)
Registration Fee	¥50,000	400	¥20,000,000	\$217,391	€ 178,571
Kyoto University	¥2,000,000	1	¥2,000,000	\$21,739	€ 17,857
IUPAP	¥950,000	1	¥950,000	\$10,326	€ 8,482
JSPS	¥2,000,000	1	¥2,000,000	\$21,739	€ 17,857
Science Council of Japan	¥1,000,000	1	¥1,000,000	\$10,870	€ 8,929
Kamioka, ICRR, U of Tokyo	¥2,000,000	1	¥2,000,000	\$21,739	€ 17,857
KEK	¥2,000,000	1	¥2,000,000	\$21,739	€ 17,857
<b>Total Income</b>		<b>1</b>	<b>¥29,950,000</b>	<b>\$325,543</b>	<b>€ 267,411</b>
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# Banquet

## Toei Kyoto Studio Park Backlot



Check out the memorable locations from movie and TV jidaigeki!

[Click here for details](#)

Enjoy Event	Play Attraction	See Display	Experience Challenge	Taste Food and Drink	Shop Goods, Souvenir
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東映太秦映画村スケジュール ■時代劇イベント ■キャラクターイベント ■休日



Today

2010年 6月13日(日)

本日の営業時間 9:00~17:00

[Park Hours / Service](#)

Experience the world of period dramas!

Taking your picture in the background of an actual studio set

[Filing Facilities >>](#)



Video



Clash of the ninjas show

[Watch more videos](#)



Event and filming schedule



Attractions



Displays



Edutainment



Goods/Gifts



Food and drinks

[Detailed Studio Park Map](#)



Find our convenient services in the park.

Plan

[enjoy Japanese culture Foreigners Plan](#)

[東映京都関連サイト](#)

# Supplemental Information

# Assumptions

- 400 participants for registration fee
- 500 participants for expenses
- Accompanying persons
  - If they join Receptions, Banquet and Excursions, we will charge the cost.
-



# 6. Kyoto and Excursion

- Many interesting sightseeing spots in and near Kyoto.

– See “Tourist Guidebook”



– Details:

- [http://hellokcb.or.jp/eng/download\\_centre/img/kcb\\_mice\\_guide08.pdf](http://hellokcb.or.jp/eng/download_centre/img/kcb_mice_guide08.pdf)
- <http://www.kyotoguide.com/>
- <http://hellokcb.or.jp/eng/kyoto/sightseeing/index.html>
- <http://kaiwai.city.kyoto.jp/raku/modules/english/index.php>

**KYOTO** 京 都  
Japan



Kyoto—Culture Heart of Japan  
2008 Guide to Doing Successful  
MICE Business

14

KYOTO CONVENTION BUREAU  
Kyoto Chamber of Commerce & Industry Building, 6-1-1 Higashi-Uji, Kyoto 617-0001, Japan  
<http://hellokcb.or.jp>



<http://hellokcb.or.jp>

# Excursion Plan (an example by JTB)

<http://www.jtb.co.jp/shop/itdw/info/e/kyoto/kyoto1day.asp>

- **Nijo Castle**
  - The Kyoto Residence of the Tokugawa Shogun built in 1603, Nijo Castle is noted for the contrast of its solemn appearance and gorgeous interiors.
- **Kyoto Imperial Palace**
  - The ancient Imperial Palace clearly shows the Japanese taste for purity, simplicity and calmness.
- **Kyoto Handicraft Center**
  - Enjoy a buffet lunch (free soft drinks included except alcoholic drink) and shopping at Kyoto Handicraft Center.
- **Heian Shrine**
  - Graceful old court life is reflected in the brightly colored shrine with its vermillion pillars and green roof, and in its enchanting inner gardens and ponds.
- **Sanju-Sangendo Hall**
  - A renowned long wooden hall housing all of 1,001 statues of Kannon that date back to the 13th century.
- **Kiyomizu Temple**
  - A quaint old lane lined with pottery shops leads to the temple. Enjoy a sweeping view of the entire city from its lofty terrace.



# Many excursion plans

- Visit Osaka or Nara



- [http://www.jtb.co.jp/shop/itdw/info/e/kyoto/kyoto\\_nara1day.asp](http://www.jtb.co.jp/shop/itdw/info/e/kyoto/kyoto_nara1day.asp)

- Walking plan



- (Optional) **EXOTIC DANCES OF A MAIKO GIRL**

- Enjoy the exotic dances of a Maiko girl and delicious Tempura dinner at celebrated Chion-in Temple.



## 7. Expected NEW results from Japan in 2012

- *New results from T2K*
  - Electron neutrino appearance search
  - Muon neutrino disappearance and precision neutrino oscillation measurements
- *$^7\text{Be}$  measurements from KamLAND*
- *Dark Matter search from XMASS*
- *Relic SN neutrinos from Super-K*
- *Double beta decay search from CANDLES*
- **New experimental proposals on neutrino physics in Japan.**
  - T2K/J-PARC Upgrade
  - Hyper-K
  - Super-K Upgrade
  - XMASS Upgrade
  - KamLAND Upgrade
  - More?



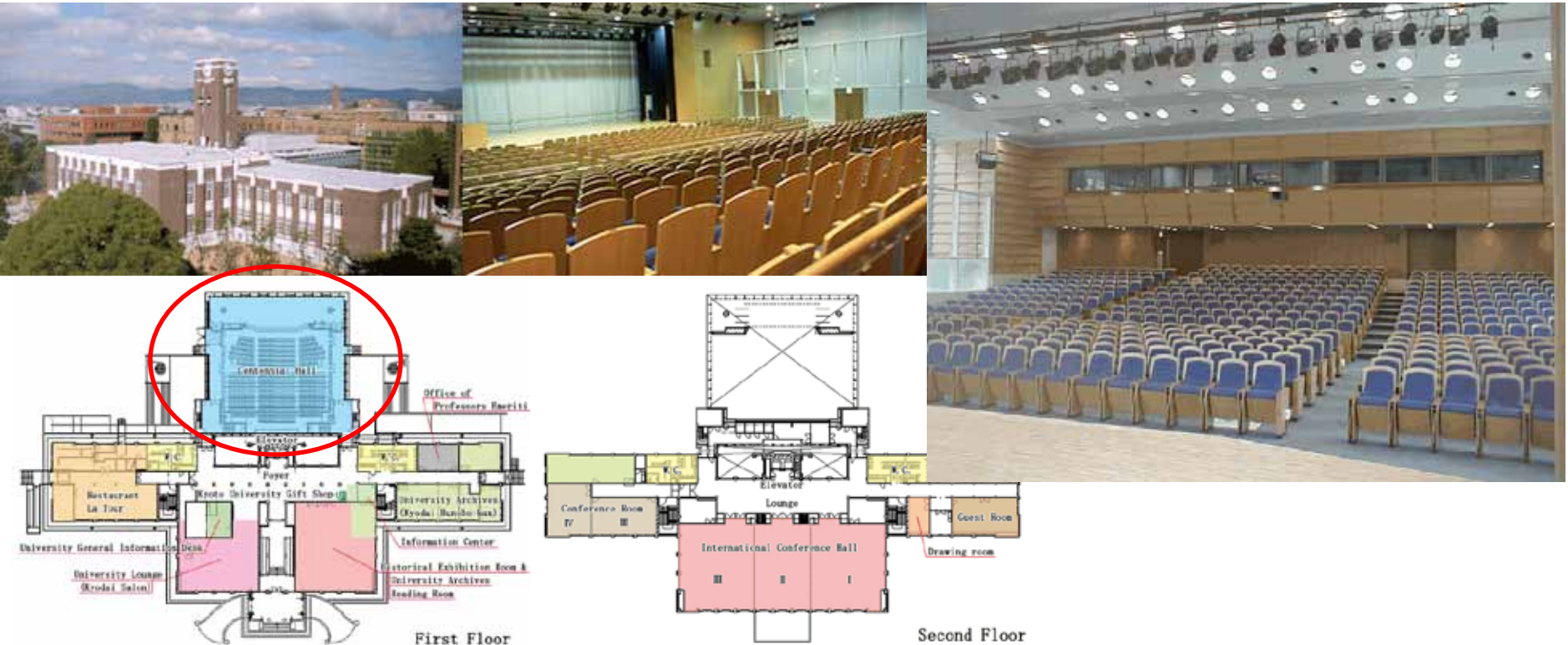
# 8. Past Experience in hosting Conferences

- Suzaku 2006 (X-ray astronomy)
  - Hosted by Kyoto University
  - ~400 participants
- Spin06 (Nuclear Physics)
  - Hosted by Kyoto University
  - ~300 participants.
- Series of NOON “Neutrino Oscillations and their Origin” international conference chaired by Y. Suzuki
  - 100~150 participants.
  - Hold in 2000, 2000, 2001, 2003, 2004
- NuFact03 @ Osaka
  - T. Nakaya worked for the convener in NuFact03.
- ICHEP2000 @ Osaka
  - T. Nakaya was a member of the local organizing committee.
- Neutrino1998 @ Takayama
  - Y. Suzuki was the core person of this conference organization.



# Kyoto University Clock Tower Centennial Hall

<http://www.kyoto-u.ac.jp/en/clocktower>



- The most recognizable structure of the Kyoto University campus, the Clock Tower was designed by Goichi Takeda, the university's first Professor of Architecture, and completed in 1925. With attention given to Secession-style design in all of its facets, the sonorous feel of the exterior makes for a building of immense historical significance.
- Using the most advanced technology of the time, the Clock Tower was one of the first university structures to be built with reinforced concrete. The interior of the hall itself was assembled using angle-plates, rivets and steel trusses. In the eight decades since it was opened, the Clock Tower has come to symbolize Kyoto University, having served variously as the lecture hall for the Faculties of Law and Economics, as well as, in more recent times, the Administration Bureau.

# Meeting Facilities (for Japanese public lecture)

## 1. **Kyoto University Clock Tower Centennial Hall Registration & (Japanese public lecture)**

1. Capacity: 500 seats
2. With 3 Conference halls (100 persons each)
3. Location: In Kyoto University (~30 minutes from Kyoto Station)