

The 12th International Conference on Hypernuclear and Strange Particle Physics



HYP2015

Three welcomes!

[1] Welcome to HYP conference

1st HYP 1982 in Heidelberg,

Upton(BNL) (1985), Padova (1988), Shimoda (1991),
Vancouver (1994), Upton(BNL) (1997), Torino (2000),

Newport News (Jlab)(2003), Mainz (2006),

Tokai (J-PARC)(2009), Barcelona (2012)

have created the 33 years' history of

Nuclear and Hadron physics

with Strangeness

Let's follow and extend it in Sendai (2015)



Topics to be discussed

- Production, structure and decay of hypernuclei
- Multistrange systems
- Production of strangeness
- Interactions of mesons and baryons with strangeness
(+LQCD)
- Strangeness in hadron structure
- Strange mesons in nuclei
- Strangeness in astrophysics and in extreme forms of matter (= neutron stars)
- Heavy flavor systems
- Hypernuclei in heavy ion collisions
- Future experiments and facilities

New attempts in HYP2015

- **Three in parallel: more chances of oral presentations
(but overlapping problems...)**

- **Introduced “Topical sessions” for intensive discussions**
 - **Hypertriton lifetime measurement
(organized by T. Bressani)**
 - **Hyperon puzzle in neutron stars
(organized by I. Bombaci)**
 - **YN scattering experiments
(organized by K. Imai)**



[2] Welcome to Sendai



the capital of
“Tohoku” (north-east)
district of Japan,
called “Green Capital”

Sendai city viewed from Sendai castle (ruin) (just behind our venue)



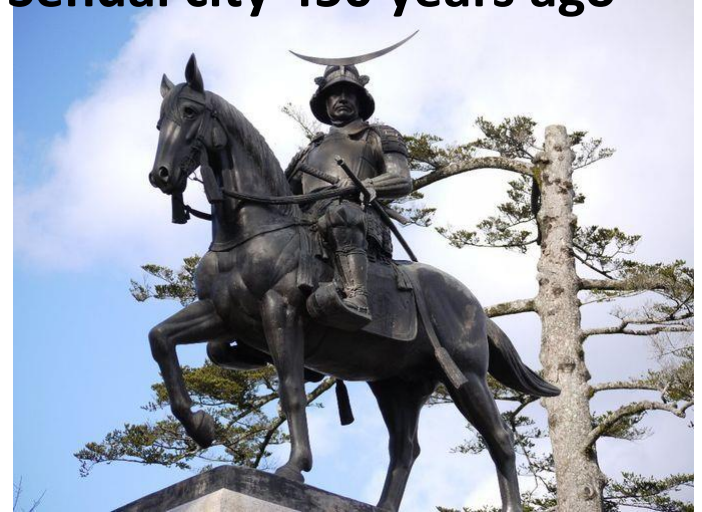
Sea coast areas of Sendai were destroyed by the tsunam in 2011.
Being recovered...

Please enjoy your stay in Sendai



Samunami hot spring

**Lord Masamune DATE, who founded
Sendai city 450 years ago**



Zuihoden, DATE's mausoleum



Fresh sushi



**Beef tongue
– a local cuisine**





TOHOKU
UNIVERSITY

[3] Welcome to Tohoku University

One of the oldest (since 1907) and largest
national universities in Japan

11,033 undergraduate and 6725 graduate students
and 3,180 faculty members

Department of Physics: founded in 1911, second oldest in Japan
one of the largest in Japan, 161 faculty members and ~600 students now

Large group of theoretical and experimental nuclear/particle physics

In particular, experimental nuclear physics : 32 faculty members

ELPH (1.3 GeV electron synchrotron)

CYRIC (100 MeV AVF cyclotron)

+

J-PARC, JLab, Mainz

+

RIBF, GSI



Co-host and Support

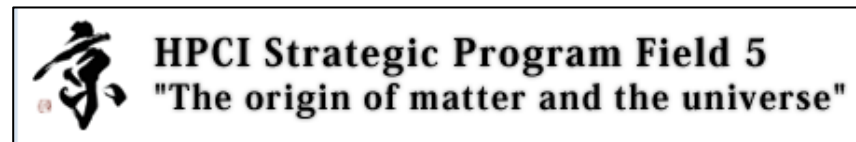
HYP2015 is

Co-hosted by

Graduate School of Science, Tohoku University

Grant-in-Aid for Innovative Areas “Neutron Star Matter”, MEXT

HPCI Strategic Prg. Field 5 “The Origin of Matter and the Universe”



Supported by

Research Center for Electron Photon Science, Tohoku University

Research Center for Nuclear Physics, Osaka University

Sendai Tourism, Convention and International Association

Intelligent Cosmos Scientific Foundation



From organizers

- **Please leave 5 min (3 min. for a 15 min. talk) for discussion**
- **Parallel session rooms will be announced before lunch**
Main Hall (large), Room A (medium), Room B (small)
- **Proceedings will be published in**
JPS Conference Proceedings
Open access.
Accommodate all the presentations including posters.
Format and schedule will be announced on Friday.

**Sorry for your
inconvenience, but...**

Two requests to you

No Smoking please

Tohoku University adopts
total campus wide bans on smoking.

*Please do not smoke throughout the campus
even outside around this building*

*If you want to smoke,
please go to
the public road
with the bus stop.*



*We are sorry for
inconvenience*

Please protect the carpet
in the Hagi Hall

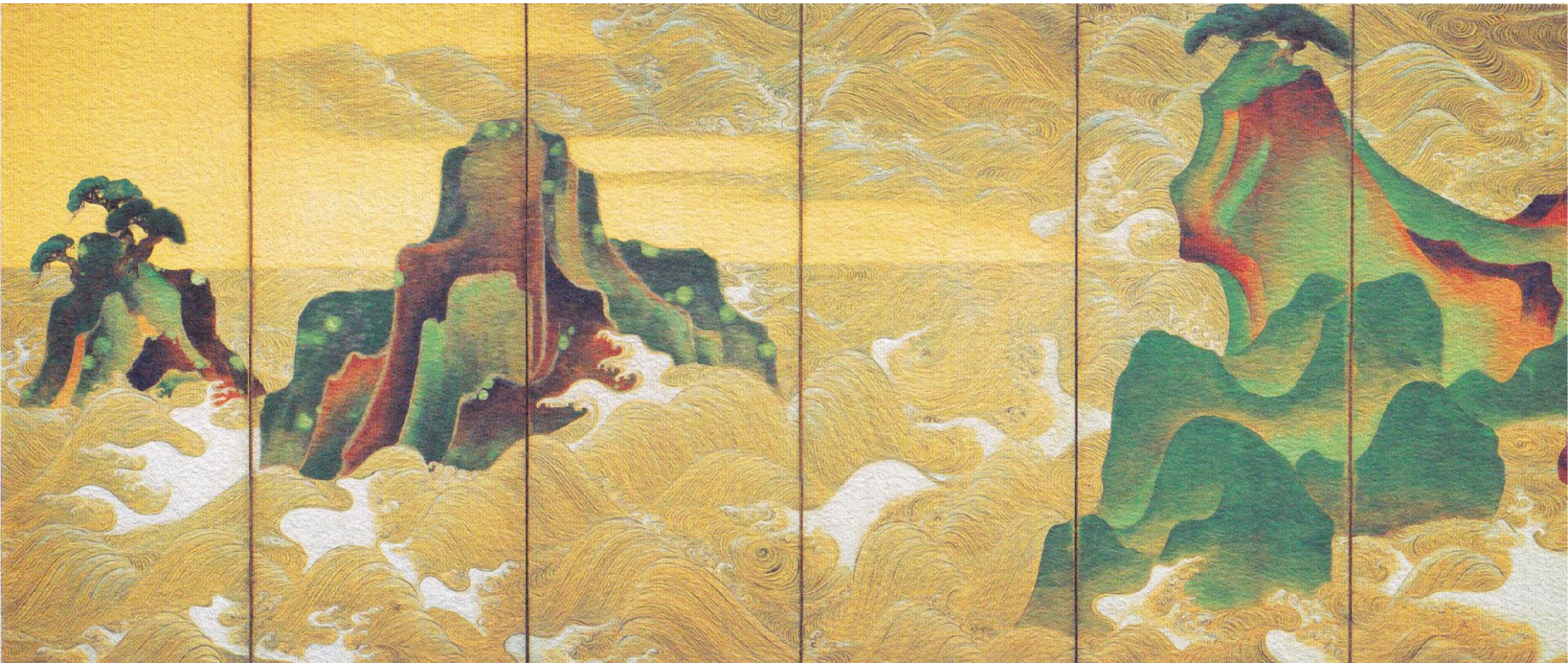
***Never bring in your coffee or food
to the main hall or
the stairs and corridors with carpet***



In the Entrance Hall, Room A and B, drink and food are OK.

Let's enjoy Strangeness!

Waves in Matsushima
(Museum of Fine Arts, Boston)



Painted by Kohrin Ogara about 300 years ago