







(a) = Hitoshi, Imaginary Dragon is to = 1 anow 60 1 H 2

Hitoshi Festa December 16, 2024 Cryo Illustrator

Tom Haruyama

I was named as "Cryo-illustrator" in CERN Courier 2005. Many illustrations will be shown in my talk...





'Cryo-illustrator' helps to open the door to physics in Japan The World Year of Physics - 2005 - marks the centenary of Albert Einstein's annus mirabilis. when he published his three seminal papers on Brownian motion, the photoelectric effect and the special theory of relativity. In the image shown here, Tom Haruyama of KEK is

Physics Society as the promotional poster for a seminar held in Tokyo last summer in anticipation of the World Year of Physics. Haruyama is a specialist in cryogenics for

assisting Einstein in opening the door he unlocked with these discoveries The illustration was adopted by the Japan

the high-energy physics experiments at KEK. He is also well known as Asian editor of the international journal, Cryogenics, published by Elsevier, and has been the secretary of the International Cryogenic Engineering Committee for many years.

At the same time, Haruyama is able to create this kind of illustration to enhance the popularity of physics with young people in Japan, without compromising his own work in cryogenic research.

www.wyp2005.org



For more on the World Year of Physics, see Tom Haruyama of KEK and the journal Cryogenics. The Japan Physics Society used this poster to promote a seminar held last year in Tokyo anticipating the World Year of Physics.

NEW PRODUCTS

Creative Group has released a new highvacuum manual in-line valve, which operates down to 10⁻⁸ mbar. The unit has a particularly high molecular conductance for this type of valve, and its stainless-steel construction makes it ideal for high-temperature applications. It is small, lightweight and easily tel. +1 978 794 5441, e-mail serviced, and can accommodate any combination of fittings.

For further information tel. +44 1903 204542, e-mail sales@creativevacuum.co.uk or see www.creativevacuum.co.uk.

Bede has announced BedeMetrix X-ray metrology tools for enhanced spot measuring of semiconductor wafers from 50 to 300 mm. This new capability allows

measurement of sub-100 µm test pads in chips and scribe lines on processed wafers, and provides automated characterization of fabrication processes. The BedeMetrix-L tool measures fundamental properties and structures of materials, including epitaxial and non-epitaxial layers.

For further information contact Dan Esdale: desdale@wardhillmarketing.com or see www.bede.co.uk

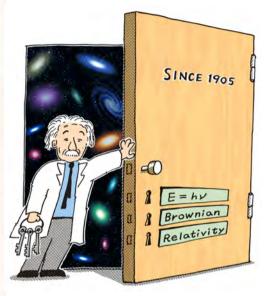
Glassman has developed low-profile 300 W regulated HV DC power supplies covering the range 1-60 kV. The FX series of supplies deliver high power density in a compact, lightweight unit 4.45 cm (1.75 inch) high in a standard 48.3 cm (19 inch) panel. Airinsulated, the units feature tight voltage

regulation of better than 0.005% and current regulation better than 0.05%

For further details contact Phil James: tel. +44 1256 883007, e-mail phil.iames@ glassmaneurope.co.uk or see www.glassmanhv.com.

Montena emc, which offers high-voltage and high-frequency products such as pulse generators, coupling networks, sensors and antennas, has recently produced a new pulse generator with a peak voltage of 320 kV, a rise time of 5 ns and a half-value time of 100 ns. The device is very compact, thanks to the choice of insulation (high-pressure nitrogen plus sulphur hexafluoride), which enables the fast rise time

For further information tel. +41 26 411 9333 or see www.emc.montena.com.





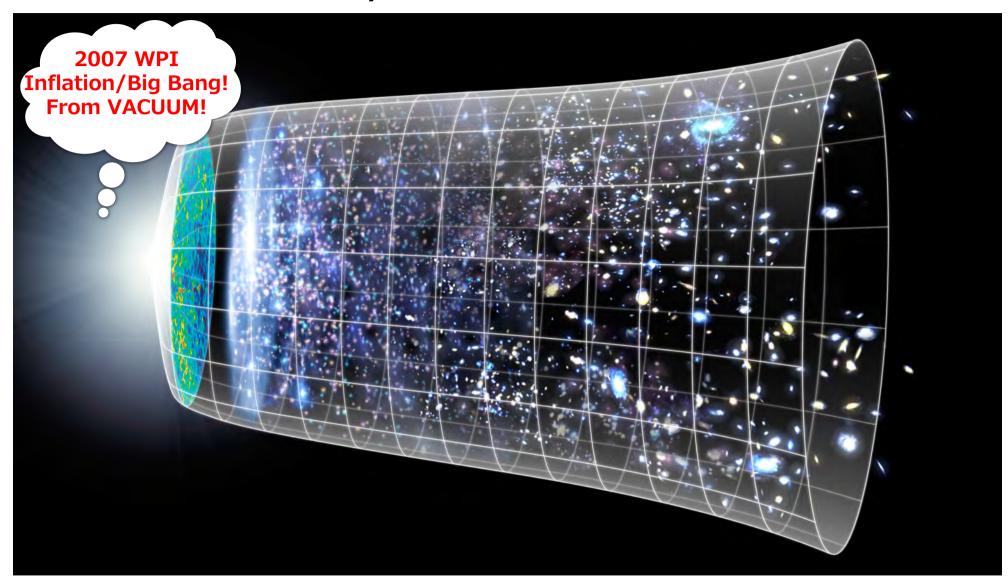
A Fairly-Tale

This is a "fairly-tale" of Young mischievous Load Hitoshi and the Old chief retainer Tom from 2013 to 2018...

You survived 5-time zodiac-rounds as DRAGON. You've well grown up, Hitoshi!

You are now 60,
We met 12 years ago,
Oh, you were 48 at that time,
And I was...

History of "Hitoshi" IPMU



Before 2013...

This is the "decoupling" era for me, so I can't see anything before 2013.

Important person at this era were Kenzo Nakamura and Midori Ozawa, I believe.

Midori will talk about her "CHAOTIC" experiences just after my talk...

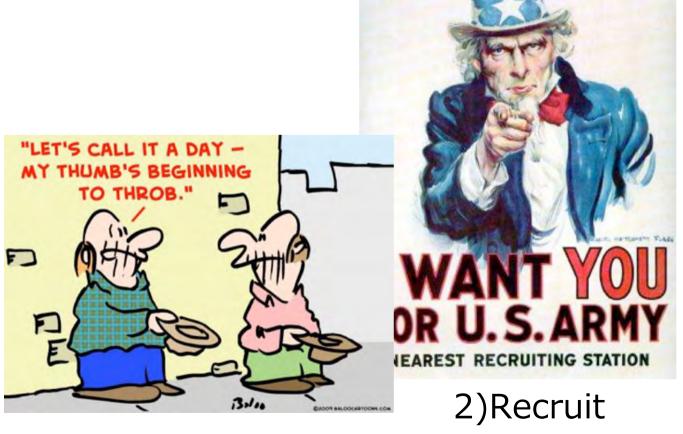




2008

Of course, Hitoshi worked very hard to get the world-wide high visibility

He played three important 'actors' as director...





1) Propaganda

3)Permanent funds



Next year...

After his desperate effort

Oct 2008





2007-2012 Kenzo's great contribution at Primordial IPMU



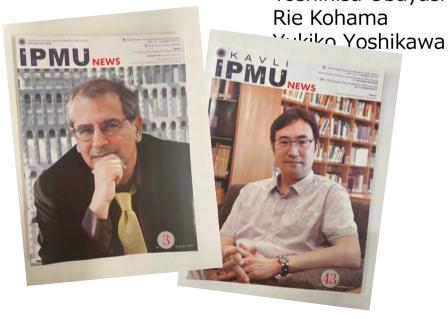
With shining stars: A

Kaori Watanabe
Naomi Kuboshima
Yomoko Yamanaka
Hideki Tanaka
Mika Miura
Naoko Ishida
Yuko Enomoto
Tomoko Shiga
Masami Nishikawa
Aya Tsuboi
Rieko Tamura
Yuki Ishizuka
Yoshihisa Obayashi
Rie Kohama

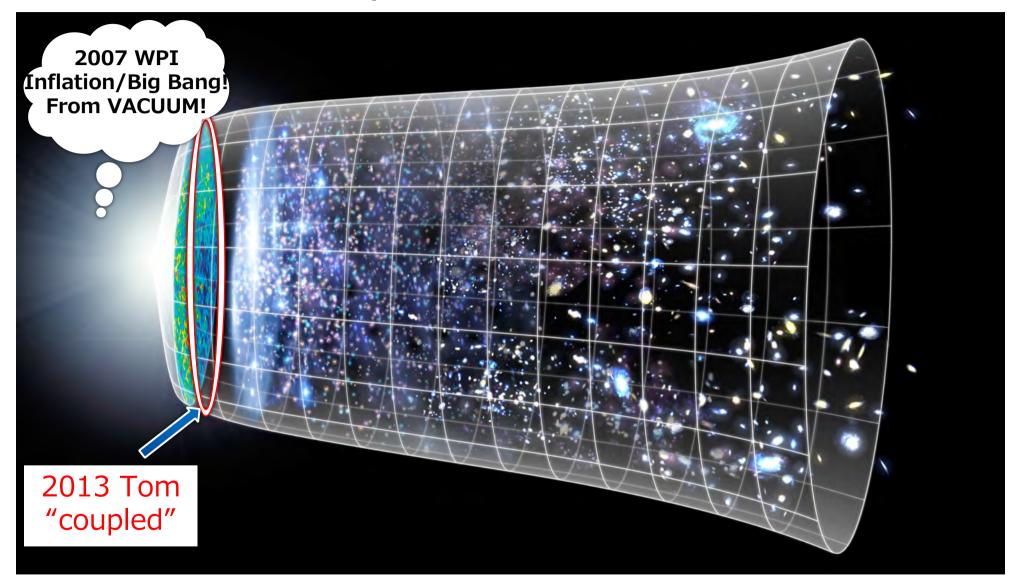


IPMU News





History of "Hitoshi" IPMU



2013, Tom coupled

Director's Corner

Changing of the Guard

Hitoshi Murayama

When IPMU was launched back on October 1, 2007, there were no scientists on site. The very first scientist that arrived a half month later was our founding Administrative Director Kenzo Nakamura. He stepped down from his role this April.

Kenzo did an amazing job. He took the requirements of the WPI program very seriously. which called for interdisciplinary research environment, a significant international membership. and minimum administrative duties for scientists. Even just one of them poses a significant challenge. He quickly assembled an army of bilingual administrative staff members to aid non-Japanese scientists to settle down and start working guickly and efficiently. He negotiated hard with the University to create flexible employment schemes. In fact, without his persistent work to overcome many challenges with the system, I could not receive an appointment letter from then President Komiyama, and most of us would not be here today! And he even translated my rusty Japanese to our staffs.

Kenzo was a renowned experimentalist in neutrino physics. He played a major role to realize the first long-baseline neutrino oscillation experiment in the world called K2K, which sent a beam of neutrinos from KEK to the Super-Kamiokande detector 250 km away. His consistent work on Particle Data Group demonstrates his service spirit. It is rare to find such a combination of scientific prowess, service spirit, political skill, careful management, and strong devotion. We all owe him a lot.

Actually, Kenzo hasn't left us. He actually still

comes in every day, editing this by-now very popular Kavli IPMU News. Whenever we are not sure about what to do, he is the wise man to advice us.

But what about his successor? Very fortunately, we discovered another such rare breed. Tom Haruyama also came from KEK, and he is a well-known researcher in cryogenics. He contributed to many important experiments in fundamental science, such as XMASS looking for dark matter and KAGRA trying to detect gravitational wave from merging black holes. He has a significant management experience, having served as the Deputy Director of the Institute of Particle and Nuclear Studies within KEK and chaired the Cryogenics Society of Japan. And he is such a joyful person!

We are very lucky to be supported by such amazing individuals. Thanks to them, we enjoy our incredible research environment with peace of mind.

Kenzo compiled yet another issue of Kavli IPMU News that is simply a joy to read. This one features Kenji Fukaya, distinguished mathematician on symplectic geometry, discussing connection between mathematics and physics with our Pl Kyoji Saito. Taizan Watari describes his research on flavor physics that involved our mathematician Yukinobu Toda. You'll enjoy this issue. Thank you, Kenzo!



(Left) Kenzo Nakamura



Director's

12 years ago... For the Kavli IPMU Castle











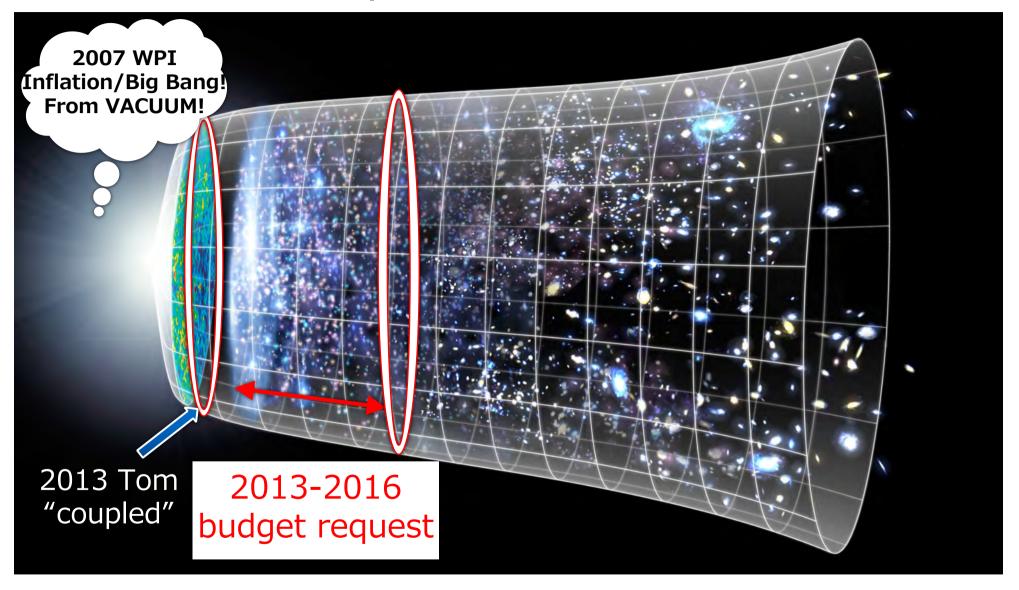
Young Load

2013, Tom started his job with Hitoshi and highly qualified staff

[staff] Hiroaki Inagaki Chinone Takashi Ikeda Kenya Ukawa Kenji Maki Midori Ozawa Kaori Watanabe Naomi Kuboshima Yomoko Yamanaka Hideki Tanaka Mika Miura Naoko Ishida Yuko Enomoto Tomoko Shiga Masami Nishikawa Aya Tsuboi Rieko Tamura Yuki Ishizuka Yoshihisa Obayashi Rie Kohama Yukiko Yoshikawa



History of "Hitoshi" IPMU



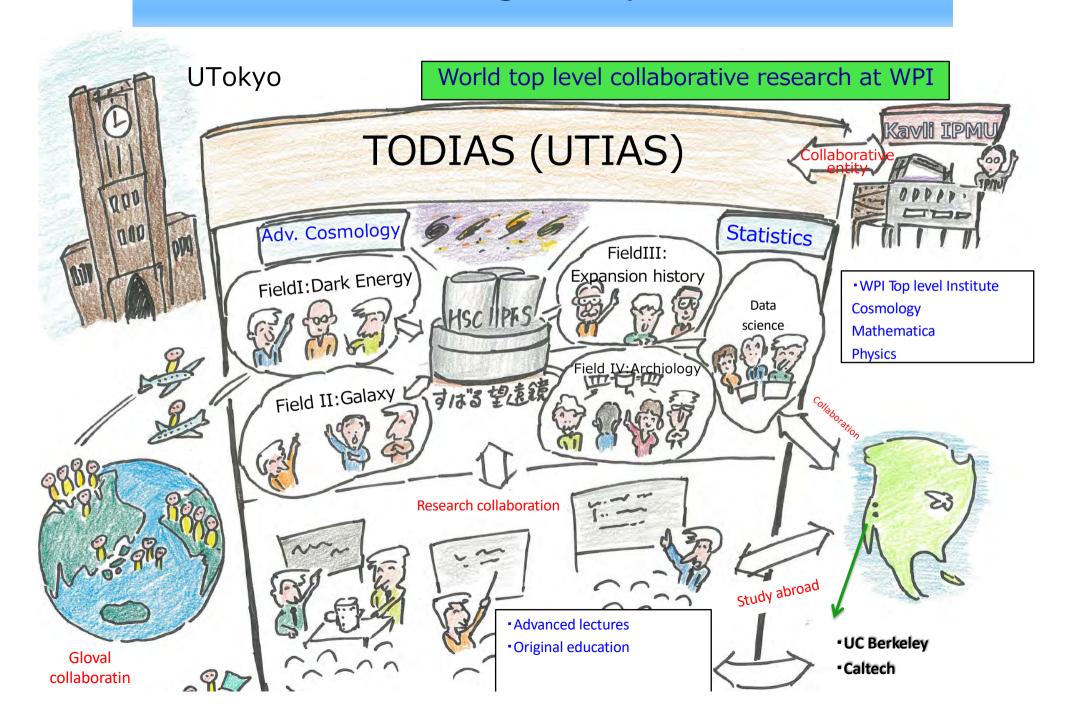
2013-2016 Budget request battle with MEXT



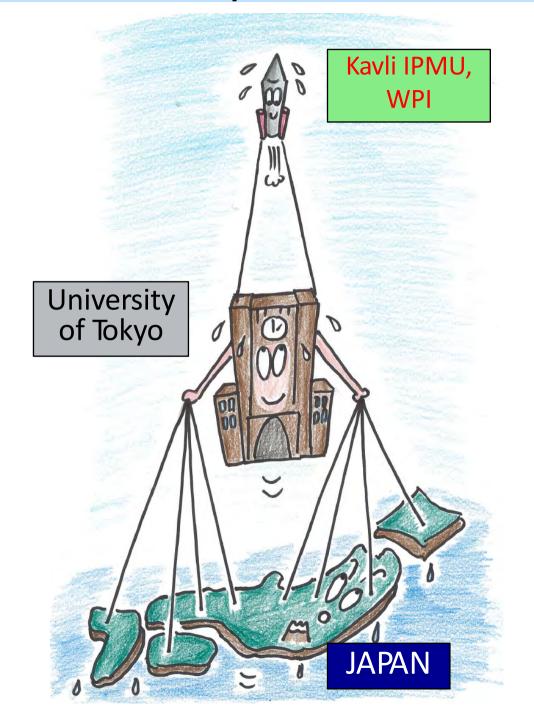


Just as a Scientific Illusionist...

2013-2016 budget request to MEXT



Strategic illustration to persuade MEXT





Headquarters "Science for Peace and Development" 2014/10/20





2014 Presentation at UN I prepared an illustration for the special occasion,,,but not in time,,,



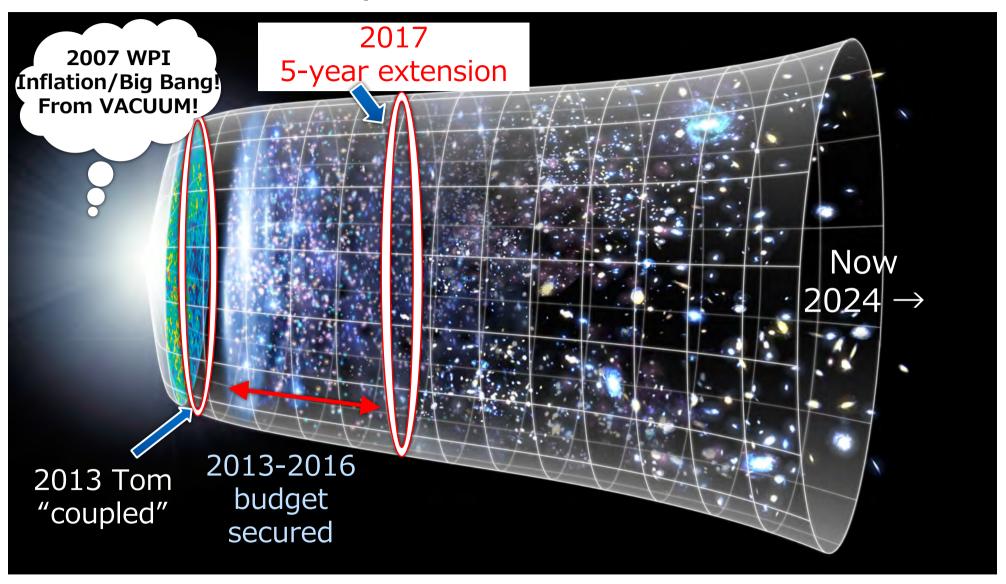
2013-2016 Finally, permanent budget secured!





Just like an Illusionist, or a magician...

History of "Hitoshi" IPMU



[Robust Follow-up by committee]

• Site Visit

PD, PO and international working group

Program Committee

International program committee

- Publication survey (Thomson-Reuters)
- Questionnaire survey (2009,2011, 2017)
- Interim evaluation
 After 5 years



Presentation slide by Toshio Kuroki, former WPI Program director



Result of doing everything perfectly... 5-year extension granted!

2017 Successful 5-year extension





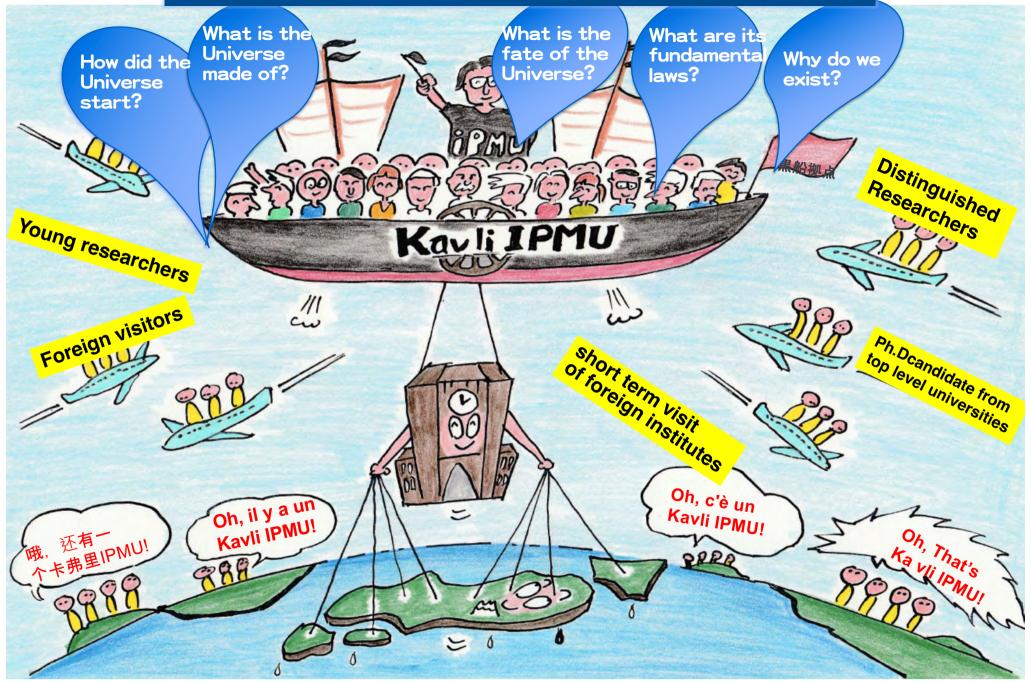
10th anniversary symposium



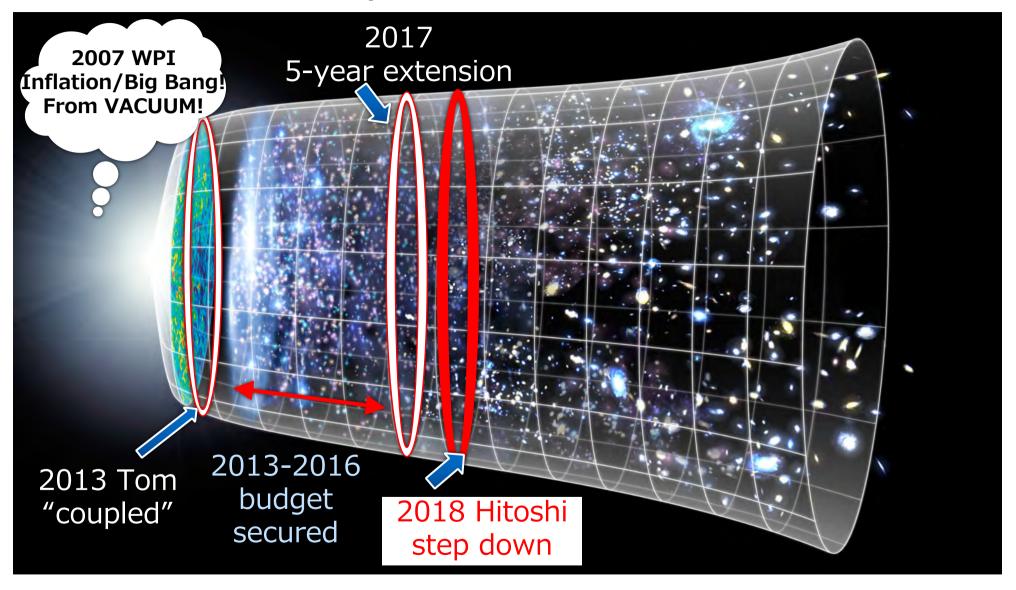
16-18 October 2017



As the Key hub of Intelligence Circulation!

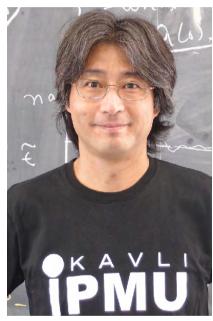


History of "Hitoshi" IPMU



Director changed

October 15 2018



Murayama (Hitoshi) UC Berkeley

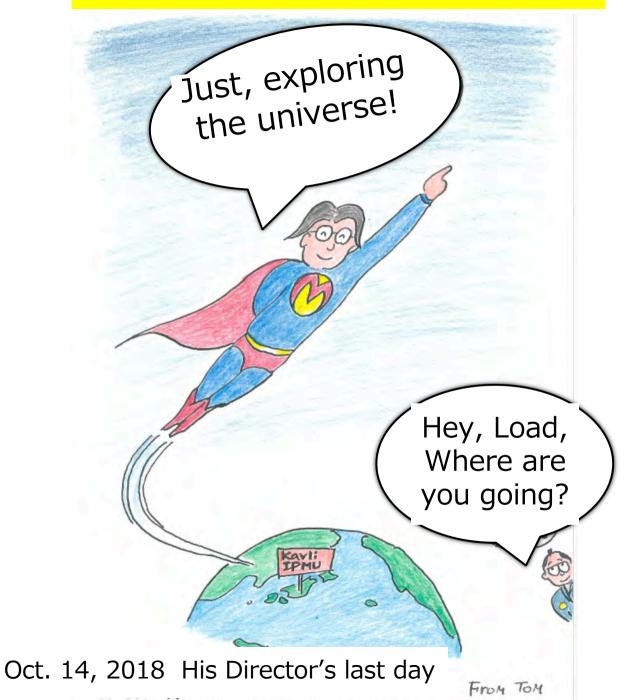


Passing the torch

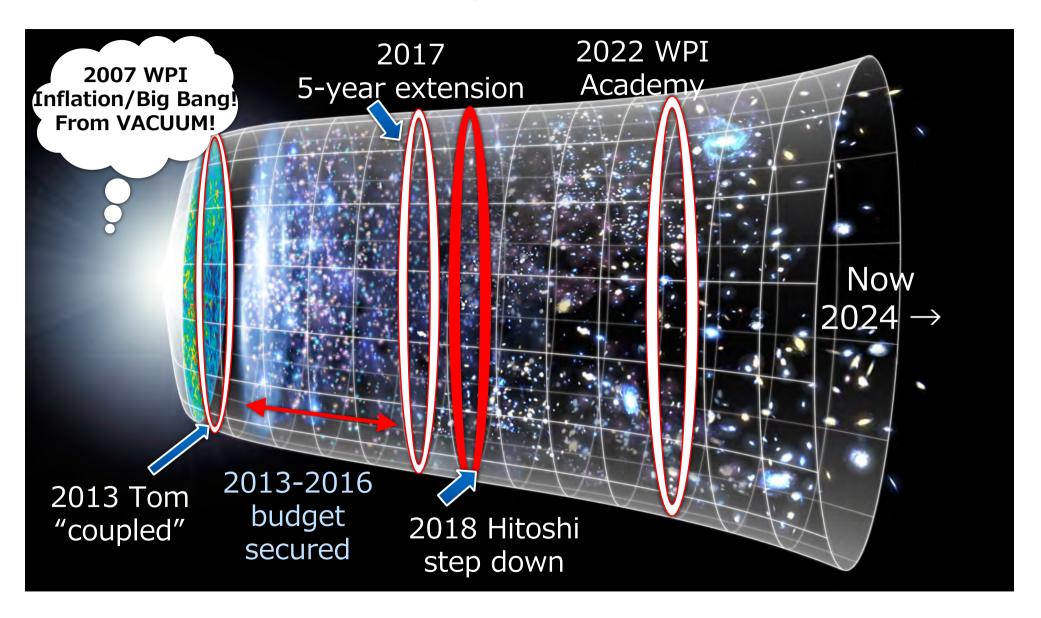


Ooguri (Hirosi) Caltech

2018 Free at last!?



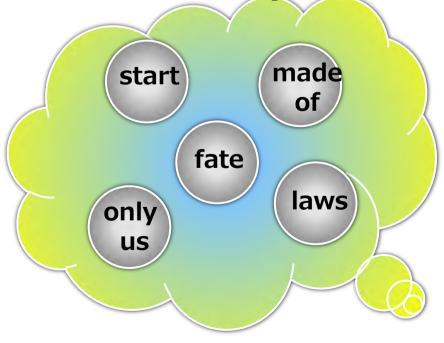
And, now...



Your animal zodiac...

Rat, Ox, Tiger, Rabbit...
Only one imaginary animal out of 12.
DRAGON!

You can find Dragon balls! which make your 5 dreams come true...





Message from the Elementary Particle Villagers!

