



Hitoshi
in
ILC Communication

Rika Takahashi / KEK&IDT

2024.12.14 Hitoshi Fest.

ILC Communication

- **Communication for any science is challenging.**
 - The complexity of topics, technical terms, accuracy and precision...
- **Communication for the ILC is extremely challenging.**
 - Massive scale and cost, global collaboration, needs for political and public support, other things not being able to say much publicly....

Need somebody who can really communicate !

Hitoshi is the superhero!

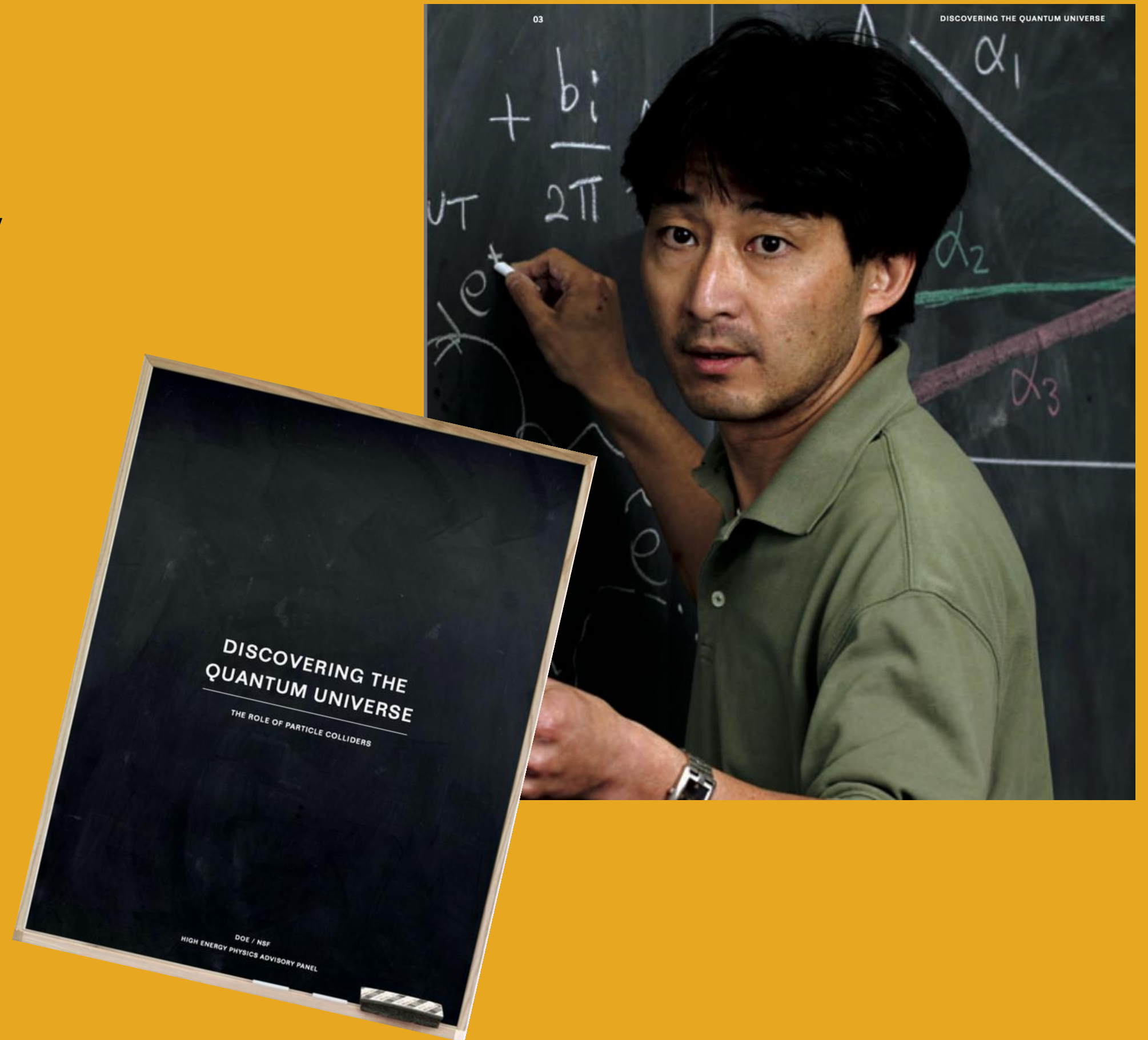


I would like to share only a part of Hitoshi's significant contributions to the ILC communication!

2007

I first heard Hitoshi's name on my first day at KEK (in SLAC) from Judy Jackson, Head of communication at Fermilab

**You must contact
Hitoshi Murayama!**



2008

KEK invited Hitoshi to present at the symposium "The Puzzle of the Creation of the Universe Solved by Electron Colliders," which attracted 300 participants.

It was
talk

**Judy, You are
absolutely right!**

素粒子物理学公開シンポジウム
「電子コライダーが解く
宇宙創成のパズル」

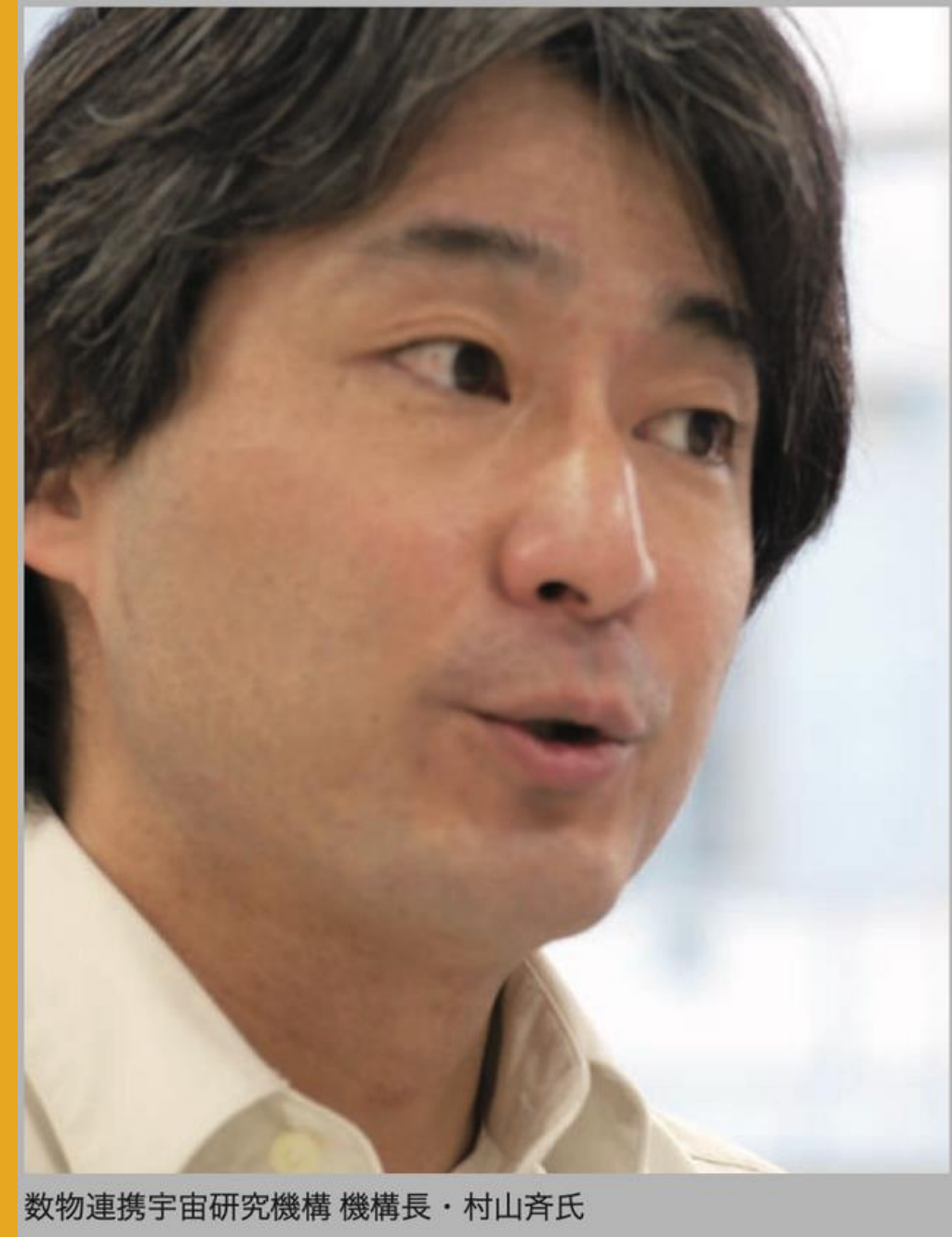


2009

We interviewed Hitoshi for the main article for "ILC-Tshushin", a monthly (at the time) newsletter.

**My doctoral thesis
focused on linear
colliders, but I came
very close to failing it.**

ILC Newsletter



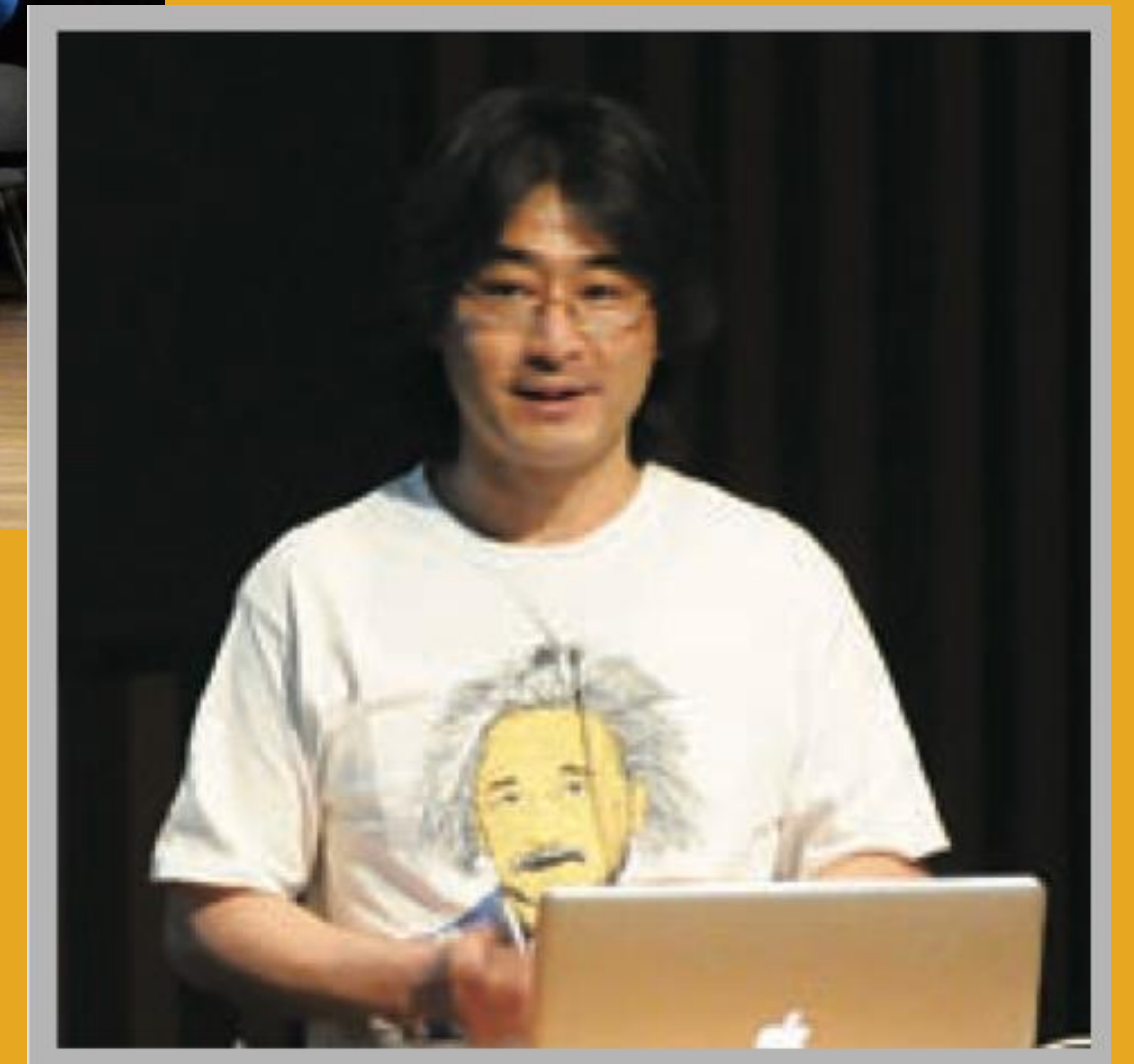
数物連携宇宙研究機構 機構長・村山齊氏

<https://www2.kek.jp/ilc/ilc-tsushin/archives/20090215.pdf>

2009

スペシャルトークショー 反物質の消滅は宇宙最大のマジック

We asked Hitoshi to appear in the talks in a public event "Antimatter Annihilation is the greatest magic in the universe" with professional magician Tomohiro Maeda. This event attracted 500 people.



2009

AAA Symposium in Fukuoka

AAA Symposium in Sendai

The Advance Accelerator Association Promoting Science and Technology (AAA), Japan's industry-academia-government collaboration to realize the ILC, held a series of symposiums across Japan.



2012

TDR Ceremony

The draft of the ILC Technical Design Report (TDR) was finalized, and the ceremony took place in Akihabara, Tokyo. Hitoshi led the panel discussion.



2013

Lyn Evans told me...

Communication is very important, which is one of the reasons why I asked Hitoshi to join the team. You can rely on him.

**Sure!
I will definitely do that!**

**Linear Collider Collaboration
launched**



2013

Courtesy visit to Prime Minister Abe

Hitoshi paid a courtesy visit to then Prime Minister Shinzo Abe with Lyn Evans, Masatoshi Koshihara, and the Federation of Diet Members for the ILC.



2013

To celebrate the completion of the TDR, three consecutive ceremonies was held in Asia, Europe and the Americas.

ILC technology, which I thought was impossible when I was a student, is now about to become a reality.
Very inspiring.

A Worldwide Event



2013

TV Symposium

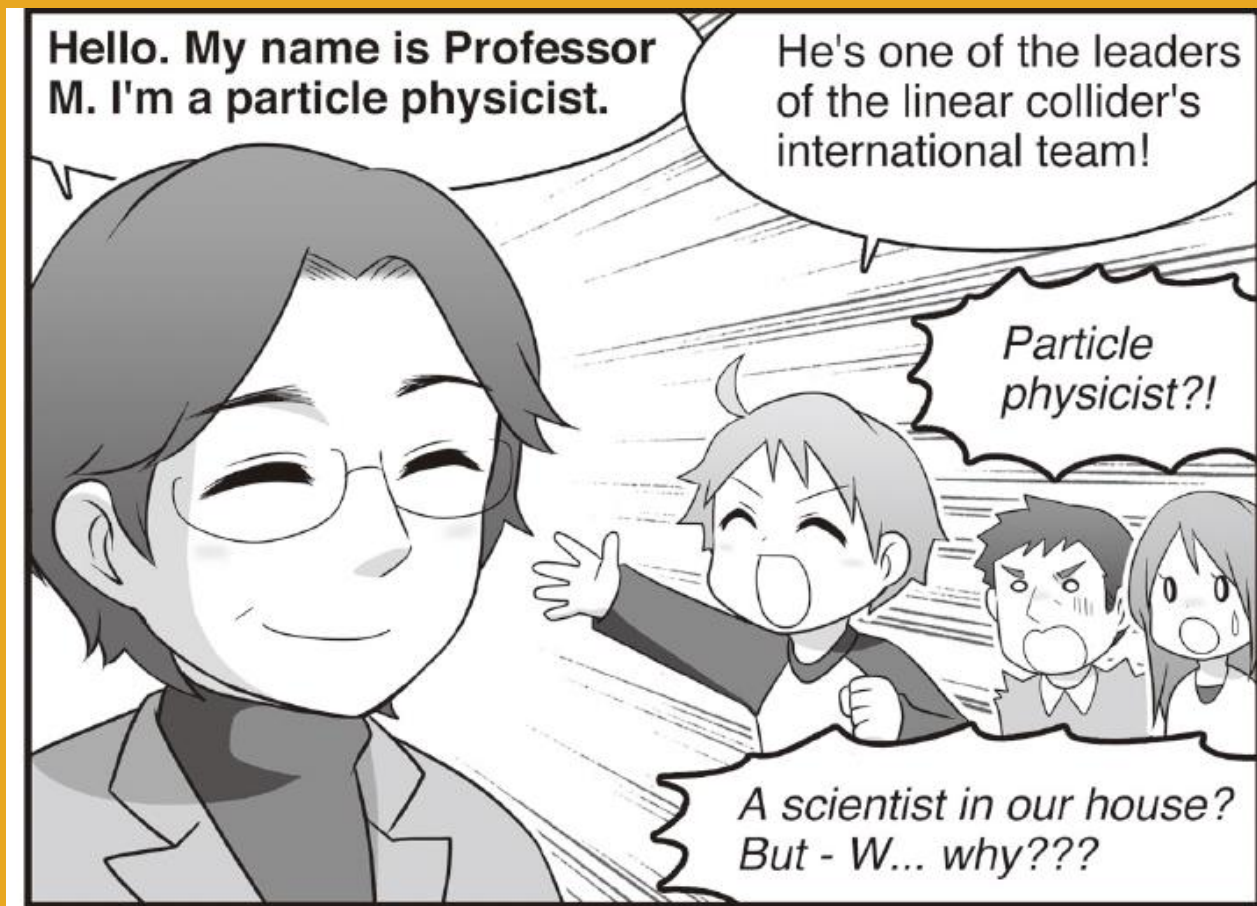
Can we get closer to the mysteries of
the universe?

The symposium, coordinated by Akira Ikegami, was held and broadcast on TV. Hitoshi gave the keynote speech and moderated the panel discussion.



2013

ILC Comic

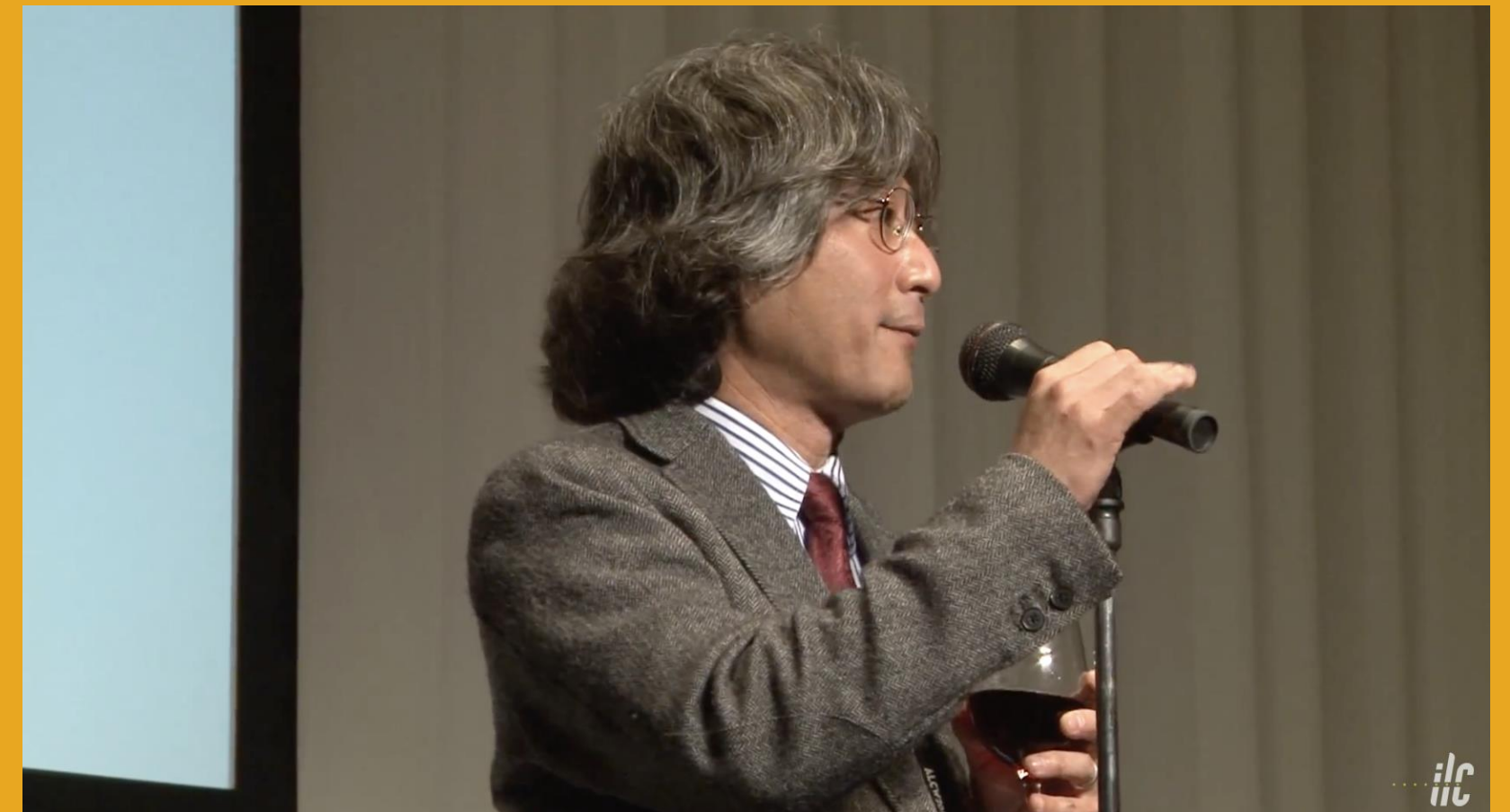


2015

ALCW2015 ILC Tokyo Event

The symposium was held as a companion event to ALCW 2015, followed by a banquet featuring cuisine inspired by the 49 countries that signed the TDR.

Hitoshi gave an opening speech and made a toast.



<https://www.youtube.com/watch?v=QgrXEdpFqvo>

2016

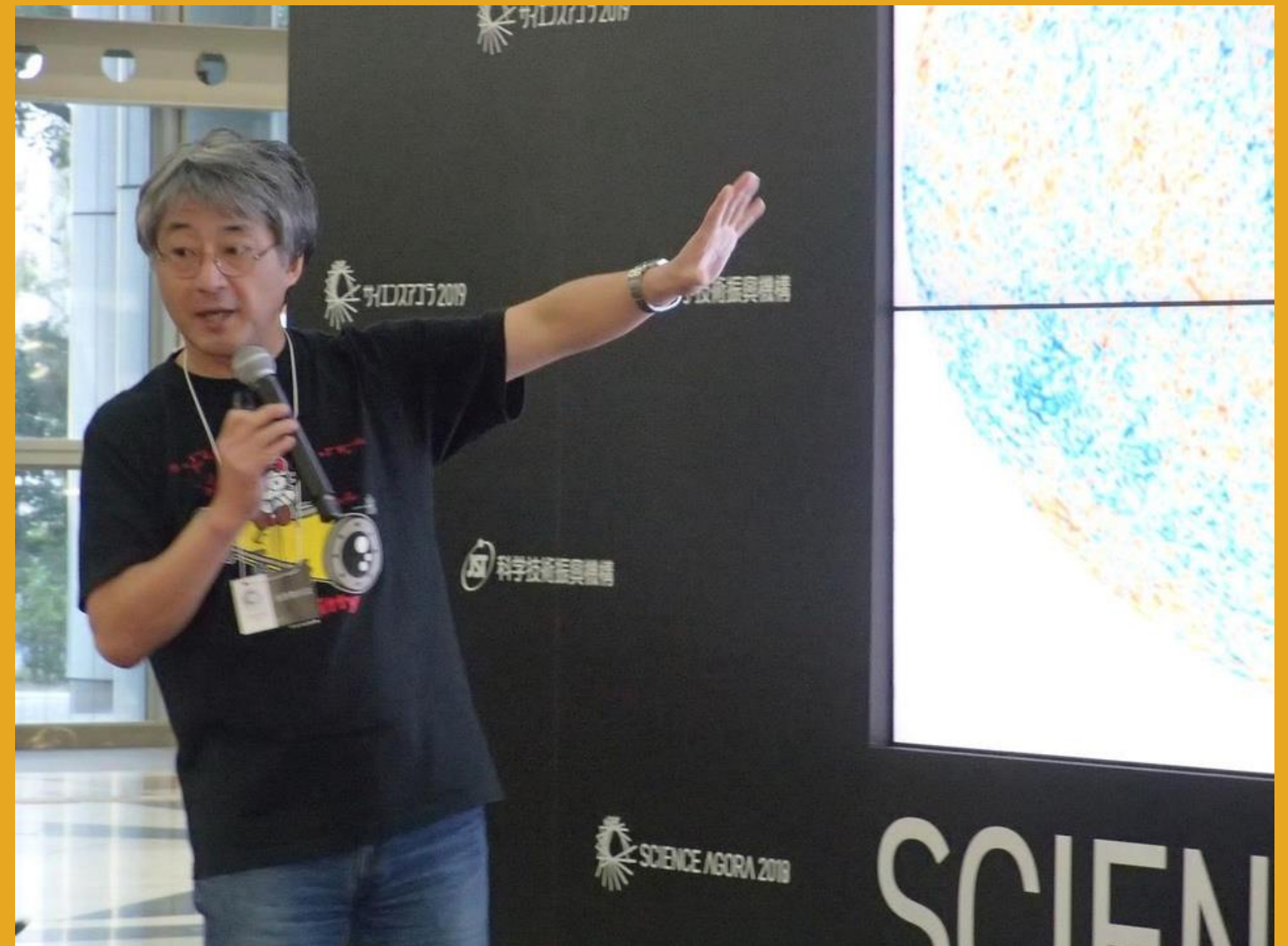
Hello Kitty meets ILC



2019

Science Agora

Hitoshi gave a lecture at “Science Agora”, the biggest science festival in Tokyo, about world peace being realized through international collaboration in accelerator science.



2020

KEK hosted a symposium featuring Peter Higgs, the last major event before COVID restrictions were enforced.

Hitoshi moderated the panel discussion with Makoto Kobayashi, Toshihide Maskawa, and Sachio Komamiya.

Peter Higgs symposium

→ ILC 推進国際シンポジウム

ピーター・ヒッグス博士が語る

ヒッグス粒子とILC

ピーター・ヒッグス
2013年ノーベル物理学賞
(CERNからの中継)

小林 誠
2008年ノーベル物理学賞

益川 敏英
2008年ノーベル物理学賞
(ビデオ出演)

駒宮 幸男
早稲田大学理工学術院総合研究所
上級研究員・研究院教授
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カリフォルニア大学バークレー校教授
東京大学特別教授・カブリ数物連携宇宙研究機構主任

2020

Science Agora

素粒子物理 x 加速器 x Life =?

Due to COVID-19, Science Agora was hosted online. KEK organised a talk featuring Hitoshi and Sho Tada moderated by YouTuber Shunki Sugai from QuizKnock.

This video had the most views of all 102 programs.




<https://www.youtube.com/live/lbkMP6H1ACg?si=AlfpTa6n-gxxzDsE>

2021

オンライン授業 「ナイスガイの須貝と考える科学者への の一步目」

Online lecture for high school students on the theme of ILC and the researcher as a profession.



We had to change the Zoom contract due to many applications.



第6問

今後の素粒子物理の研究が進むと、
宇宙の姿がより詳しくわかってくる。
ILCの研究で見えてくると
考えられている
宇宙の姿は、次のうちどれか？

- ①縦・横・高さ・時間の4次元を超えた新しい次元がある
- ②現在分かっている”宇宙を司る4つの力”とは違う新しい力が働いている
- ③複数の宇宙が並行して存在している

QuizKnock x  

<https://www.youtube.com/watch?v=9G9bHHiFYtA>

2021

The interaction between Rakugo and Science

Collaboration with an artist for Rakugo , a traditional Japanese storytelling art, we attempted to raise awareness for the ILC.

Hitoshi and Fukumaru Katsura had an online session at KEK Open House online and appeared in the YouTube series as the first guest.



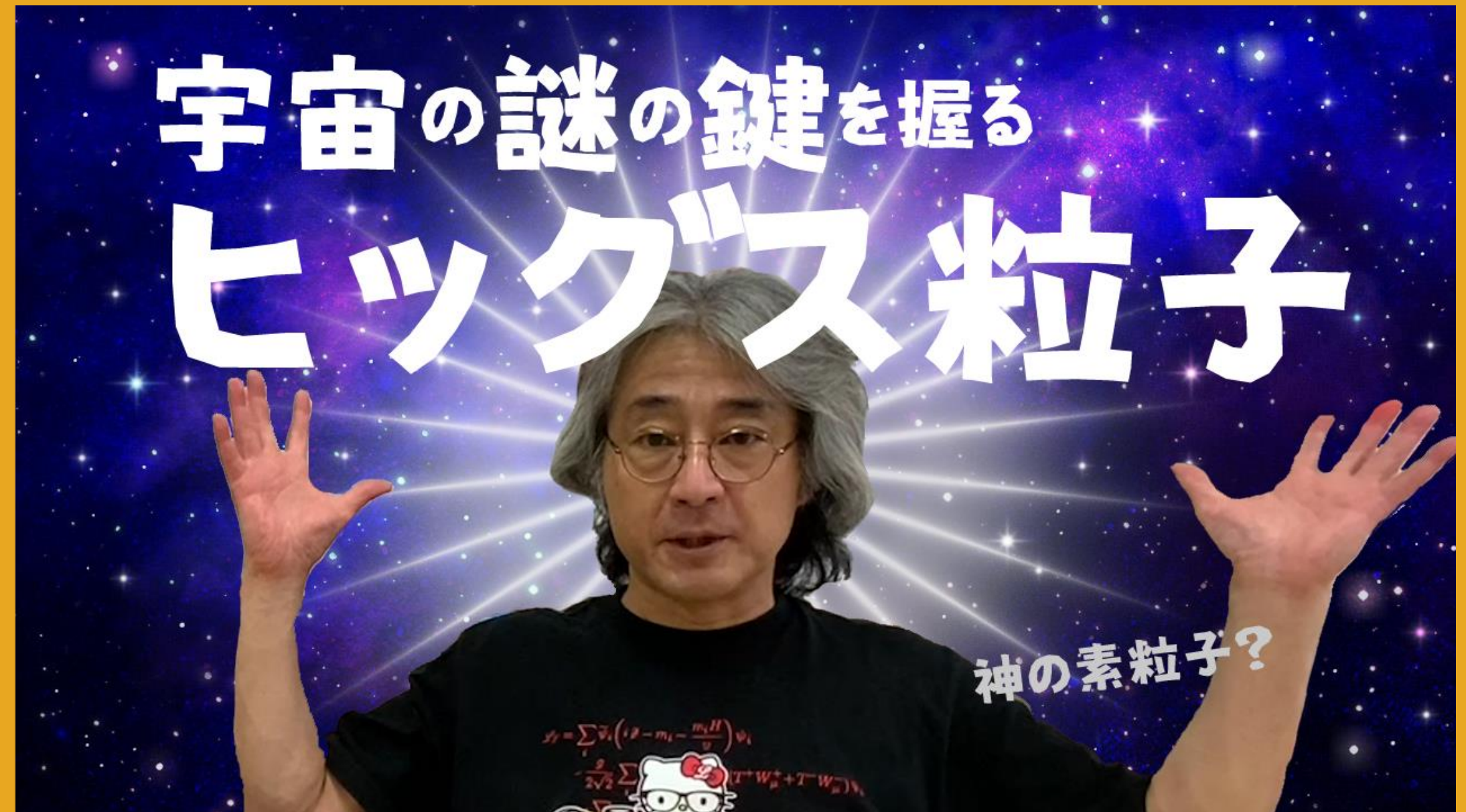
<https://www.youtube.com/watch?v=E4Kpf4yyllk&t=237s>

2023

YouTuber
Hitoshi Murayama

Launched the YouTube program series “ILC Uchu Juku (Universe School).

After we started uploading the series, channel subscribers tripled!



<https://www.youtube.com/playlist?list=PL1h93oc7tD6xz1lLzFhOQApjEc2RBT7Ps>

2024

The program mainly targeted high school and university students to deepen their learning about dark matter research.

Hitoshi gave a lecture and moderated the session with three scientists working on different approaches to studying dark matter.

Sceience Agora

Challenge the future of dark matter!



<https://www.youtube.com/live/lbkMP6H1ACg?si=AlfpTa6n-gxxzDsE>

2025

To be continued...





**Thank you
Hitoshi!**

Thank you for your attention.