

Shota Takahashi

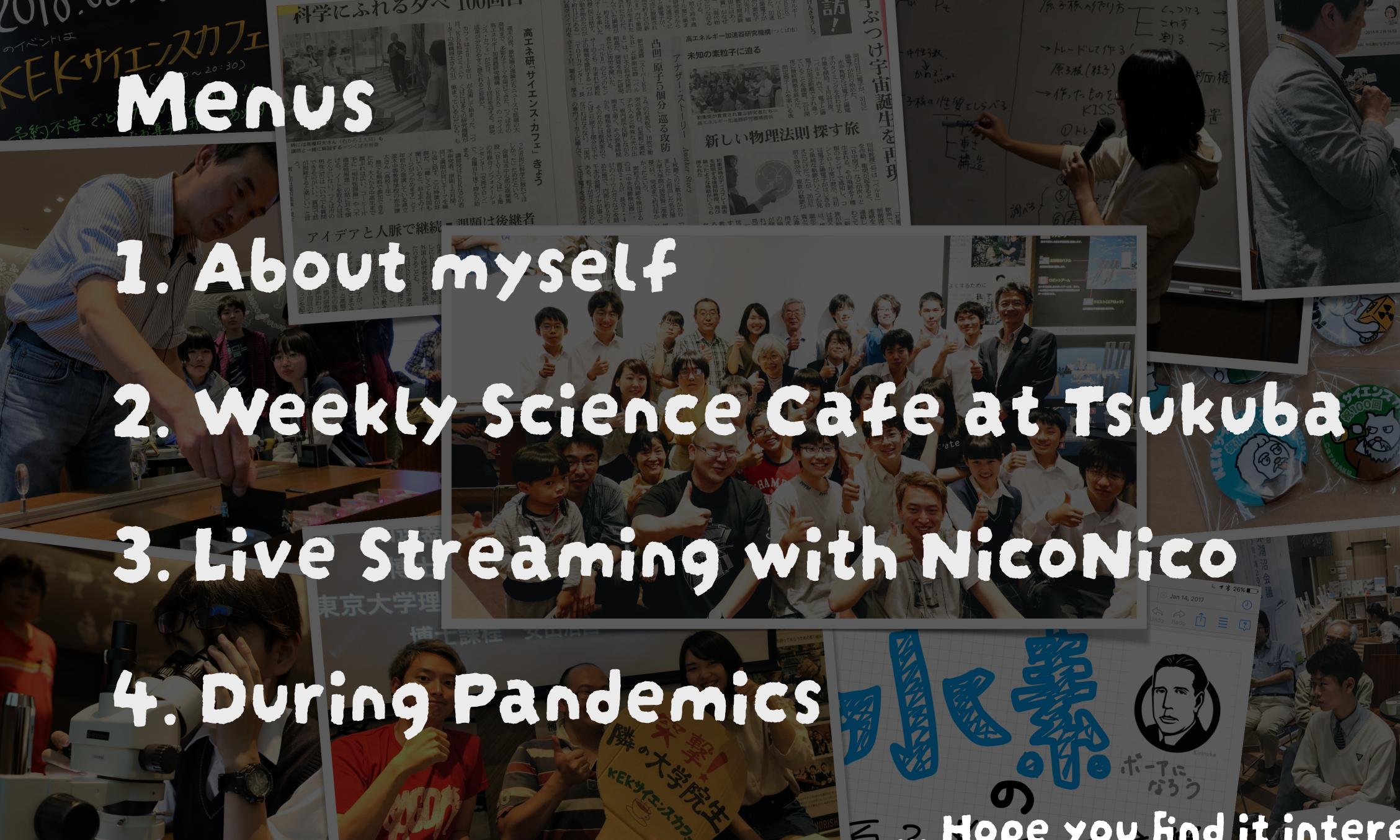
Nagoya University

NUFACT 2023 @ Seoul National University 計算









# E . Hope you find it interesting



# I'm Shota, science communicator at KMI

#### 2009.04 2014.05 Kyoto / T2K Grad. Student

(13456900 St-5878300 St-10 51-3+ 166 51632 1-1-18662 1.2 53 + 21666165 Sut 13284000 679600 SI.2. 90710 SI.2 33 10 Silt 65268001.4 - 11253

## KEK PR Office / Science Communicator



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#### Born Univ, and Grad, School (Kyoto) ATLAS CERN Summer Student Calibration 2009 T2K Experiment Water Cherenkov EARTHQUAKE 2011 radiation J-PARC ACCIDENT 2013 Lack of communication with local citizens Quit PhD 2014 KEK 2015 PR Office KEK Science Cafe Science Communicator

& Webmaster

#### More Outreaches!! podcast students live-streamin KMI PR Office 2023 bunch of onl KEK50th 2021 bunch of online event KEK Openhouse Online PANDEMIC JACST 2020

Niconico (2nd) SuperKEKB's 1st collis lots of visitil 2018 lots of visiting lect 15 lots of visiting lect 2017 res Niconico (1st)

Tsukuba Science & Every Friday night! Education Meister

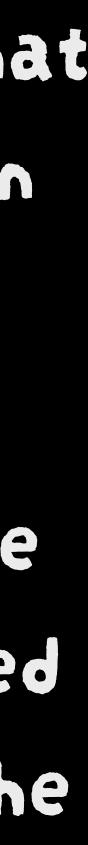


#### Born Univ, and Grad. school (Kyoto) ATLAS CERN Summer Student co 2009 T2K Experiment Water Cherenkov EARTHQUAKE 2011 J-PARC ACCIDENT 2013 Lack of communication with local citizens Quit PhD lots of vis 2014 KEK 2015 lots of vi

PR Office KEK Science Science Communicator Every Friday & Webmaster

The two major happenings that steered me towards career in science communication.

These experiences have made me feel strongly that we need to communicate more with the local residents.



#### Born Univ and Grad, School (Kyoto) CERN Summer Student Calibra 2009 T2K Experiment Water Cherenkov EARTHQUAKE 2011 J-PARC ACCIDENT 2013 Lack of communication with local citizens Quit PhD lots of vis 2014 KEK lots of vi 2015 PR Office KEK Science Science Communicator Every Friday & Webmaster

# KEK Science Cafe launched in November 2015.

The primary goal was to foster friendship between researchers and local residents through science.

The venue near the station was chosen to make it more accessible for local community.





# Commercial building in front of Tsukuba Station

POLA

慕

**被外樓** 





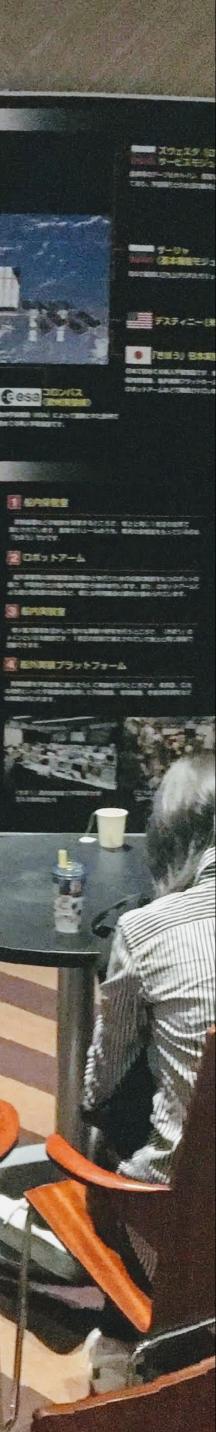
#### 不確定性関係 (きちんときめられない関係)

補給肥をキャッテリ



NEW YORK

の研究



# VENUE DATE & TIME CONTENTS FACILITATOR Me (Shota) / Student

# REMARKS

Admission free / No registration needed BYO drink&food

7 按中州 即 枢

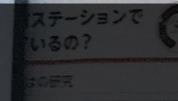
Community space nearby Tsukuba station (Almost) Every Friday Night (19:00~20:00) Basic science & accelerator science SPEAKER Researcher / Technical / Collaborator / Student



# BASIC RULES 1. Always prepare snacks and coffee 👋 🛞 🗇 2. Fix the days of the week 3. Use the same slides every time (for a month)

4. Take a break when its busy

**丁 萨 中 州 即 / /** 





### People who happened to be here

### Bring in you own food & drink

#### **Registration Desk**

### (snacks & coffee)

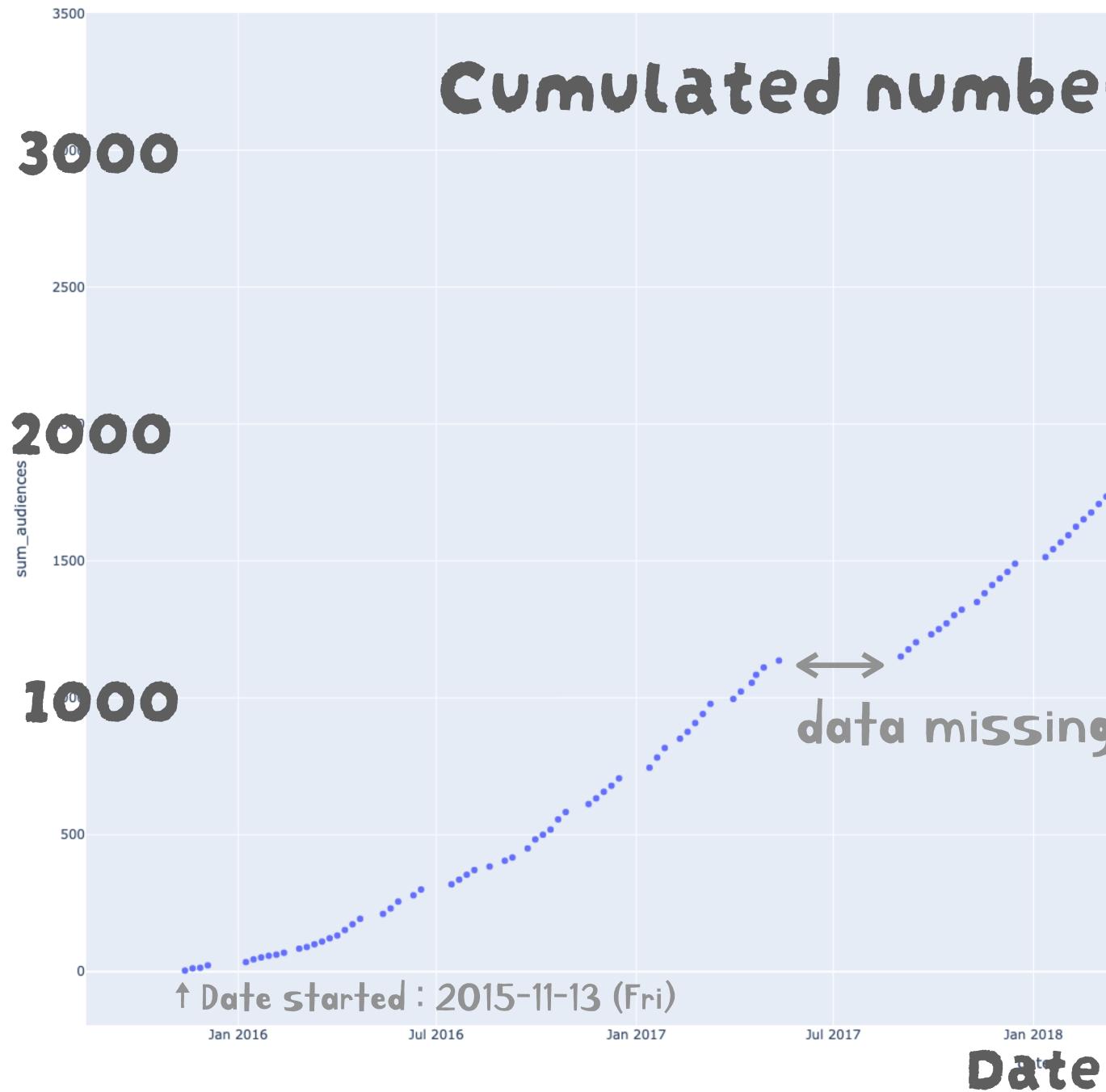
#### Facilitator

#### おおいの単手目をから。

#目前といれていたよれらようない全て ロエスメートードに見たた美国の状態から 触れ、その後、原見して、今の温度や広さに なったまたれています。

#### Speaker





# Cumulated number of audiences

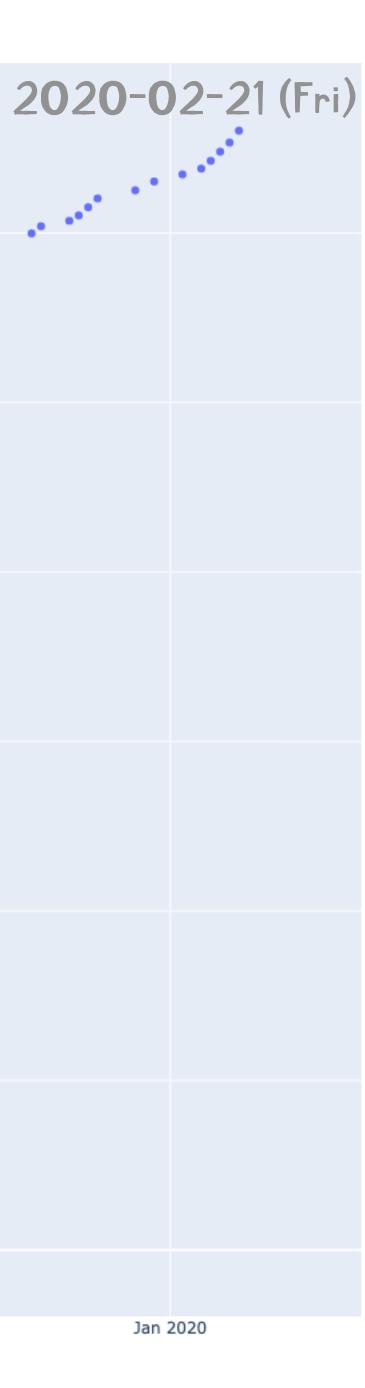
### data missing period

Jan 2018

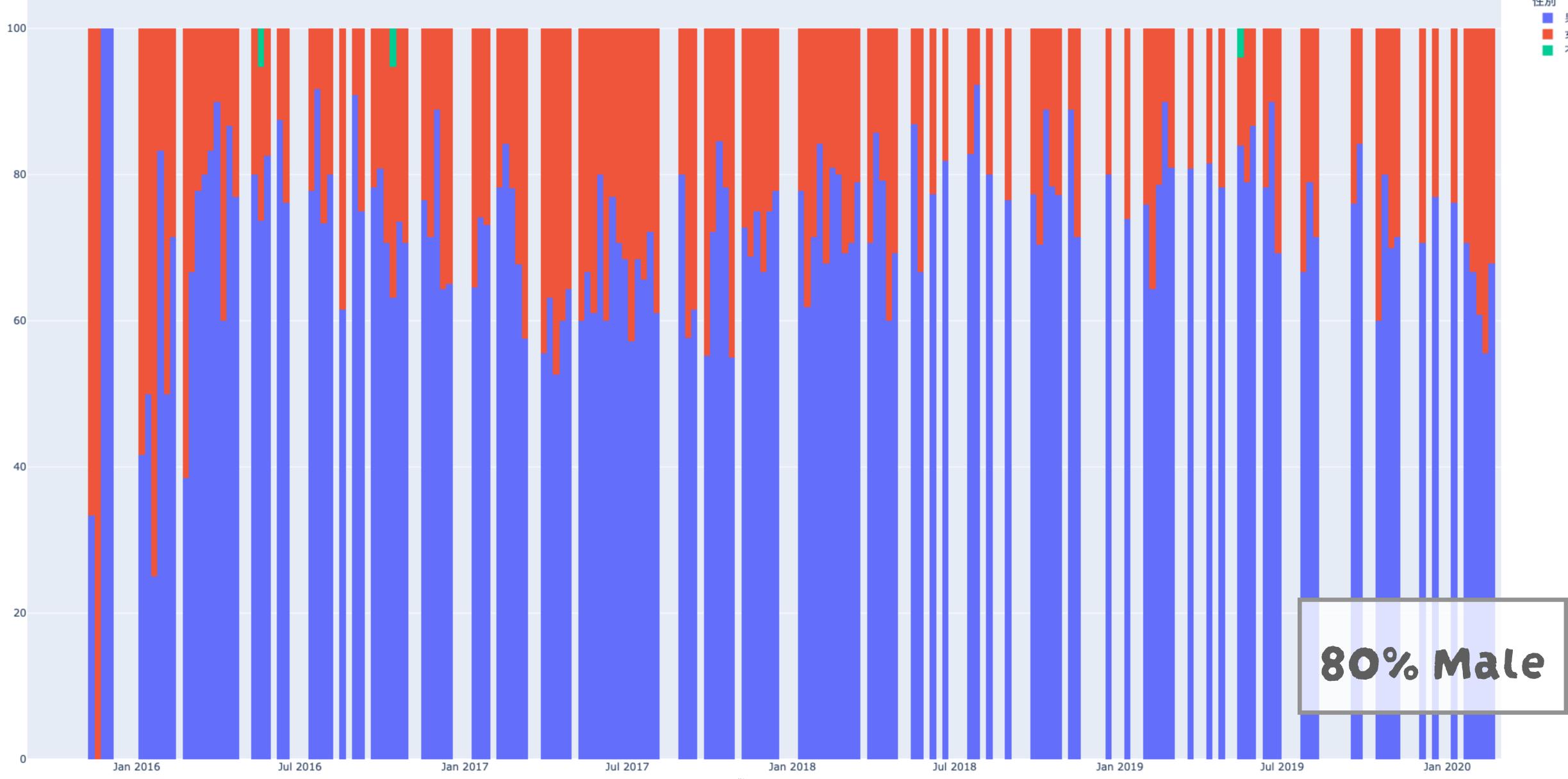
Jul 2018

Jan 2019

Jan 2020



#### 各回の参加者数と性別



count (normalized as percent)

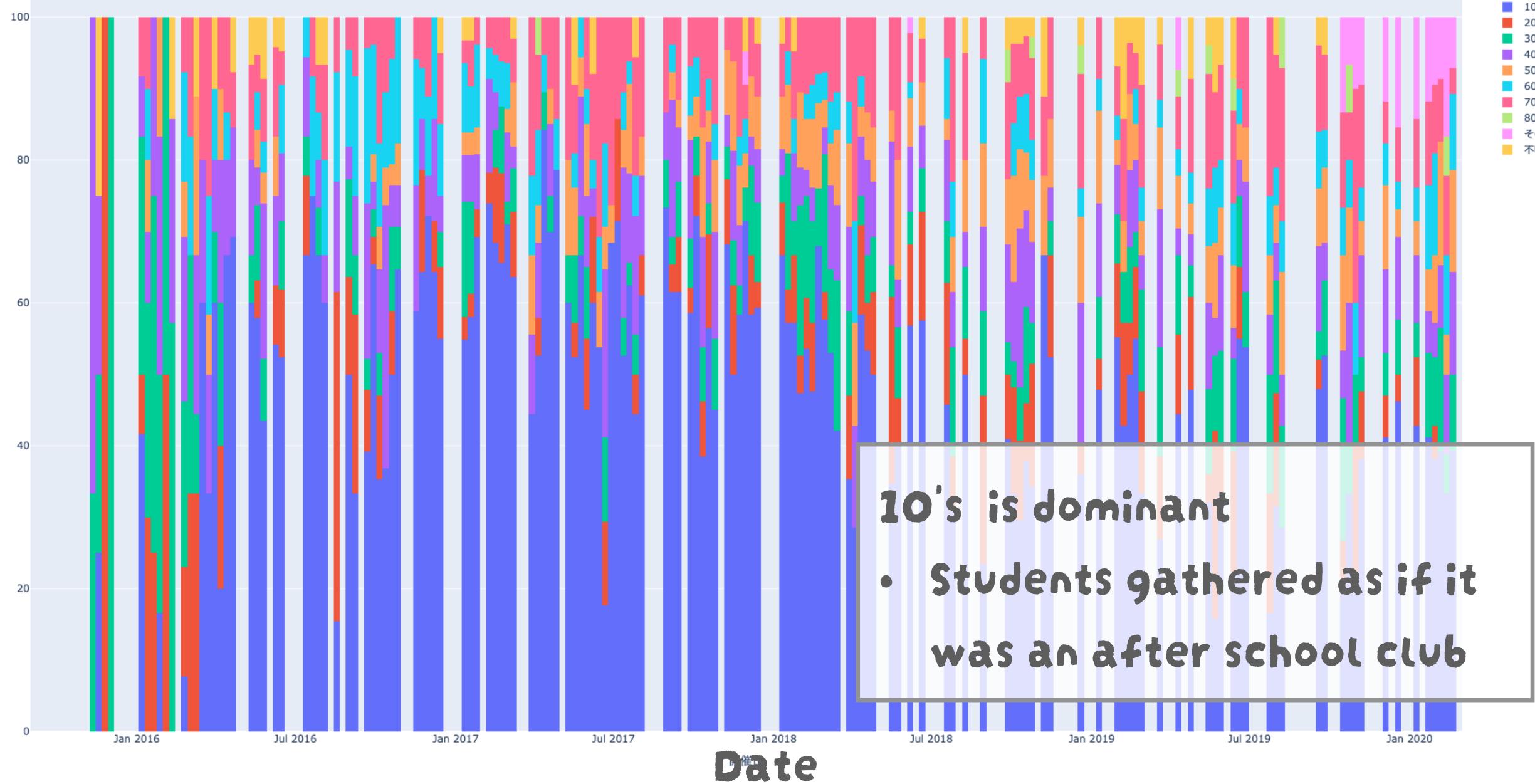
# Demographics : Gender (Ratio)



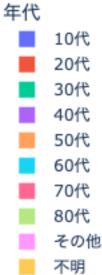


# Demographics : Ages (Ratio)

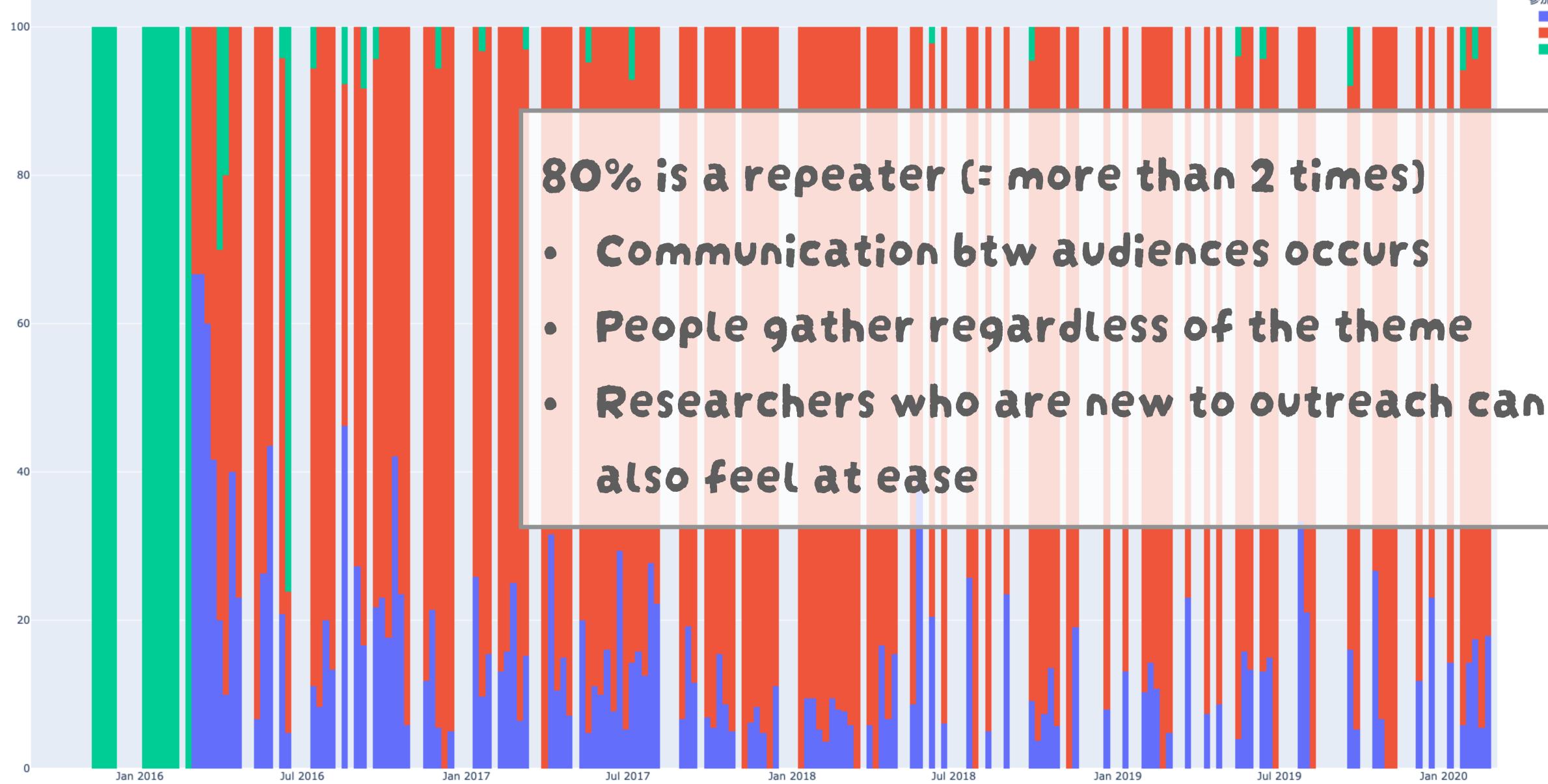




percent) as count (normalized







# Demographics: Repeaters (Ratio)







#### Born Univ, and Grad, School (Kyoto) ATLAS CERN Summer Student Calibration 2009 T2K Experiment Water Cherenkov EARTHQUAKE 2011 radiation J-PARC ACCIDENT 2013 Lack of communication with local citizens Quit PhD 2014 KEK 2015 PR Office KEK Science Cafe Science Communicator

& Webmaster

#### More Outreaches!! podcast students live-streamin KMI PR Office 2023 bunch of onl KEK50th 2021 bunch of online event KEK Openhouse Online PANDEMIC JACST 2020

Niconico (2nd) SuperKEKB's 1st collis lots of visitil 2018 lots of visiting lect 15 lots of visiting lect 2017 res Niconico (1st)

Every Friday night!

Tsukuba Science & Education Meister



#### **Tsukuba Science & Education Meister**



#### Live stream with the Mayor

平成29年4月 茨城新聞 つくば市 研究者2人認定 KEKサイエンスカフェ開催の 教育マイスタ 高エネルギー加速器研究機構 高橋将太さんが つくば科学教育マイスターに 選ばれました? G (© 0 科学教育 平成29年4月18日 読売新聞 F 防災教 素粒子 7 KEKサイエンスカフェは、ここ「交流サロン」で を照 A

力っくば市か認足

説

Scrapboard at the venue





# Niconico Live: 8hrs Belle II Roll-in

| 🎽 | 動画 | 静画 | 生放送 | チャンネル | 大百科 | 実況 | Nアニメ | その他 〜

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ログイン 二コニコ会員登録
```

ion

ニコニコ生放送

○ フォロー中の番組



政治 👔 カテゴリ	===== <del>[</del>	報道 📋	KEK 🕝	Bellell	
高エネルギー加速器研	研究機構 🕝 ロールイ	ン 🕝 宇宙	(1) 科学	き 👔 つくば	6
ニコニコサイエンス	<b>(()</b>				

ニコニコニュースは、ニュースをきっかけにユーザーの皆 さんとのコミュニケーションを楽しむことができるサービ スです。

#### More Outreaches!! podcast students live-streamin KMI PR Office 2023 bunch of onl KEK50th 2021 bunch of online event KEK Openhouse Online PANDEMIC JACST 2020

Niconico (2nd) SuperKEKB's 1st collis 2018 res Niconico (1st)

:afe Tsukuba Science & night! Education Meister



# Niconico Live: 153hrs First collision of SuperKEKB

📫  動画 静画 生放送 チャンネル 大百科 実況 Nアニメ その他 ~	ログイン   ニコニコ会員登録   💿
ニコニコ生放送 番組を探す Q フォロー中の番組	
<complex-block></complex-block>	<ul> <li>www</li> <li>そうなんですかー ありがとうございます</li> <li>ゲストカモン!</li> <li>偉い人ポイけど人懐こいんだな</li> <li>友情パワー、</li> <li>楽しそうでいいなw</li> <li>笑っていいともかよ</li> <li>チャンドラボース</li> <li>いいとも形式で</li> <li>なんだろ.この普通に二コ生感</li> <li>私がインドで何ができるか・・・できない:;</li> <li>休憩してもええんやで</li> </ul>
【世界最強加速器SuperKEKB】電子と陽電子の 初衝突の瞬間を見守ろう KEK×niconico 4月23 日~ ☆式 2018/4/23(月) 20:00開始 (57時間59分) -般(その他) ② ⑦至⑦ ニコニコサイエンス ③ 報道 ③ ニコサイ ② KEK ② 高エネルギー加速器研究機構 ② Belle2 ② SuperKEKB ② ファースト・コリジョン ②	ニコニコニュースは、ニュースをきっかけにユーザーの皆 さんとのコミュニケーションを楽しむことができるサービ
科学 (注) 科学技術週間 (字)	関連コンテンツ

#### Oral presentation at ICHEP2018 **Education & Outreach Session**

https://indico.cern.ch/event/686555/contributions/2971035/attachments/

1682172/2702927/20180706\_ichep2018\_shota.pdf

#### More Outreaches!! podcast students live-streamin KMI PR Office 2023 bunch of on KEK50th 2021 bunch of online event KEK Openhouse Online PANDEMIC 2020

ion

Niconico (2nd) 2018 SuperKEKB's 1st collis res Niconico (1st)

afe Tsukuba Science & Education Meister hight!



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& Webmaster

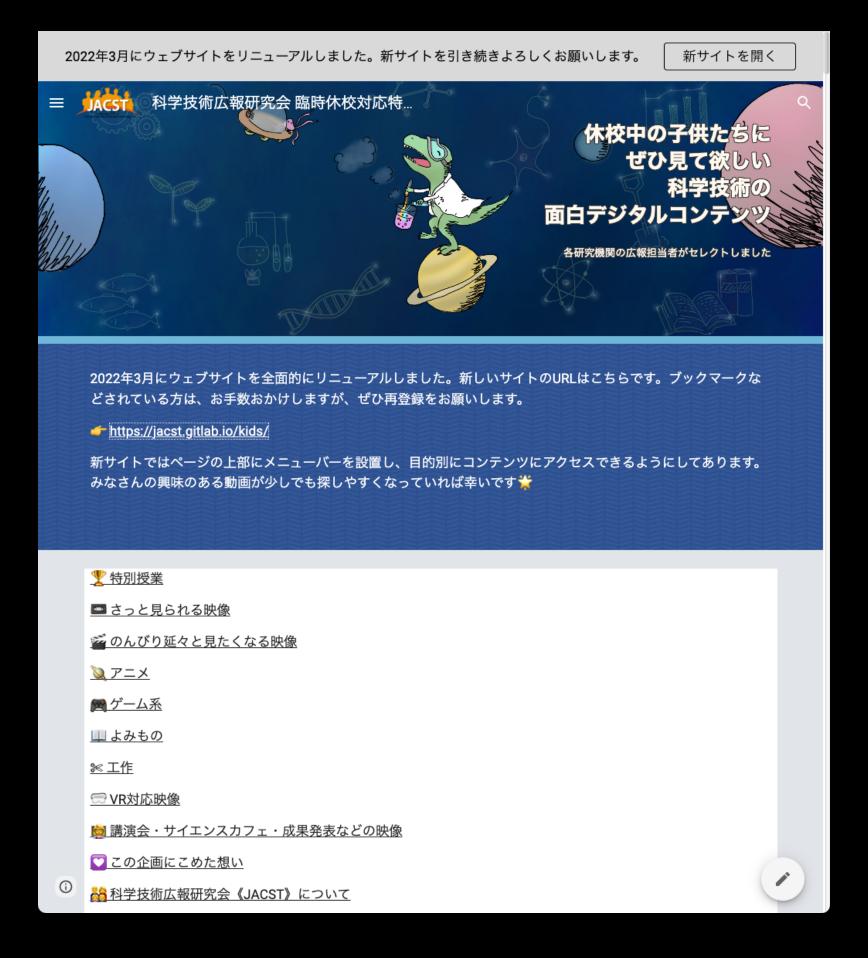
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Niconico (2nd) SuperKEKB's 1st collis lots of visiti 2018 lots of visiting lect 15 lots of visiting lect 2017 res Niconico (1st)

Belle II Roll-in Tsukuba Science & Every Friday night! Education Meister



# Curated official videos & contents from institutions / universities

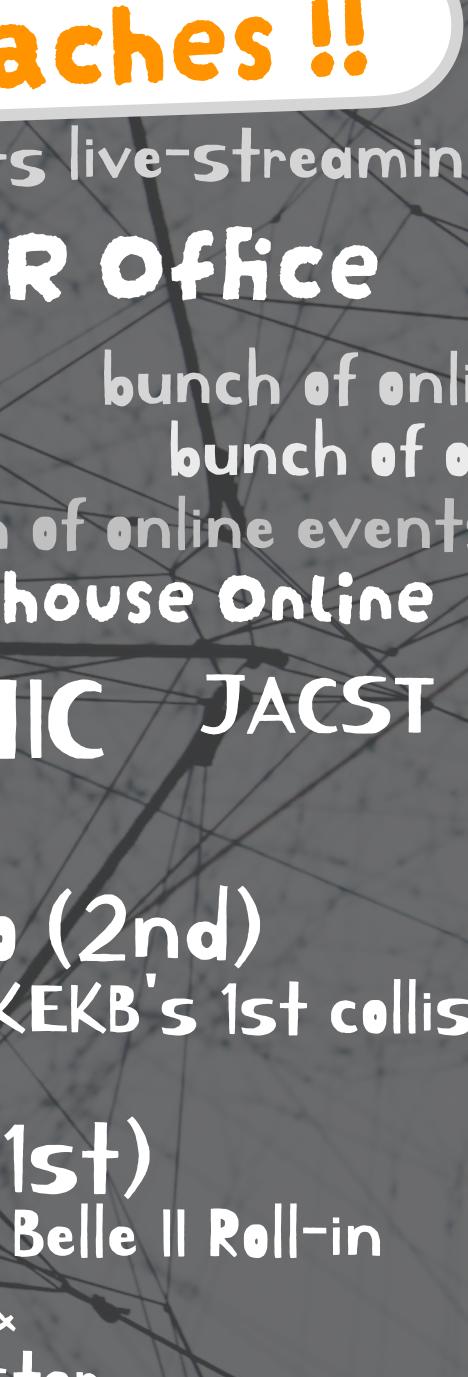


### Launched on 2020/02/29 https://jacst.gitlab.io/kids/

### More Outreaches!! podcast students live-streamin KMI PR Office 2023 bunch of onl KEK50th 2021 bunch of online event KEK Openhouse Online PANDEMIC JACST 2020 Niconico (2nd) SuperKEKB's 1st collis 2018 res Niconico (1st)

on

:afe Tsukuba Science & hight! Education Meister



# KEK Openhouse 2020 Online



# established how to live stream by ourselves

### More Outreaches!! podcast students live-streamin KMI PR Office 2023 bunch of on KEK50th 2021 bunch of online event KEK Openhouse Online PANDEMIC JACST 2020

ION

:afe

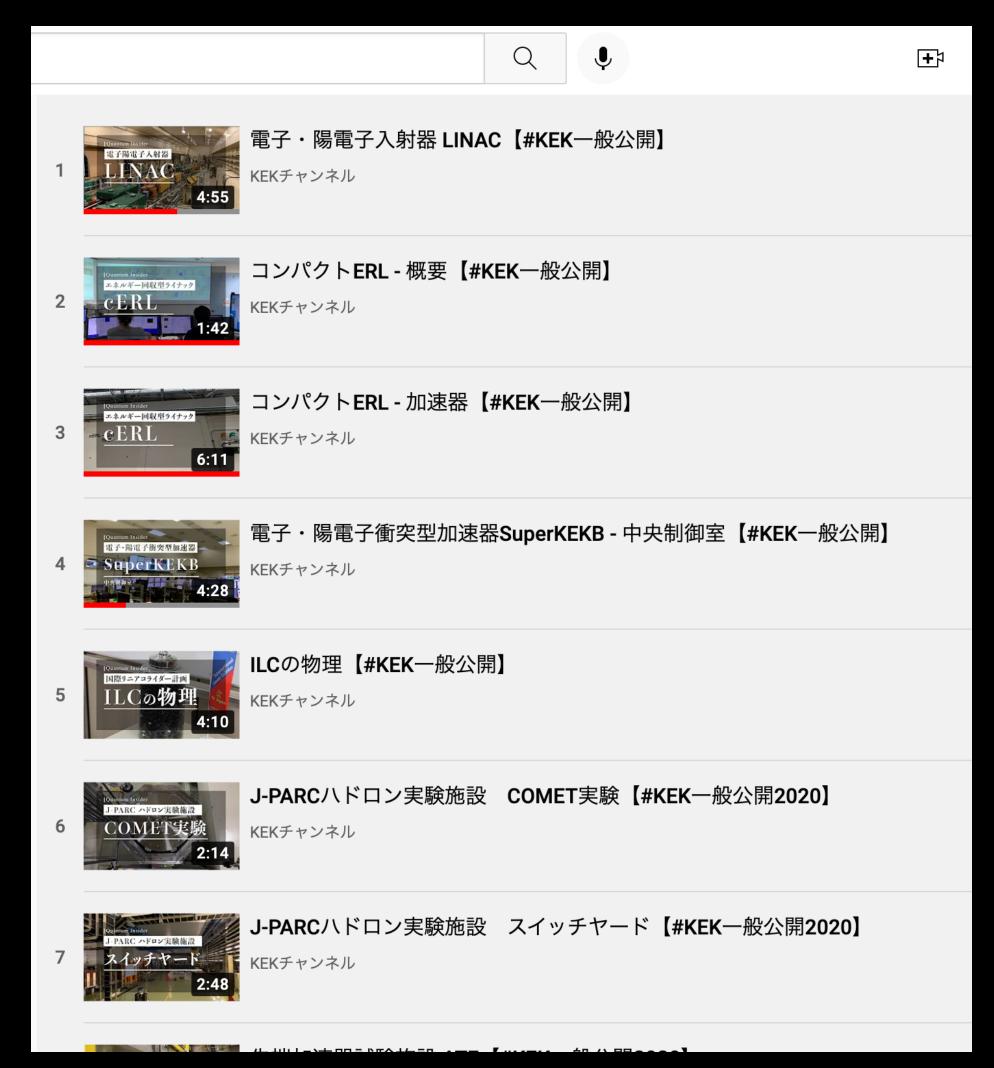
hight!

#### Niconico (2nd) SuperKEKB's 1st collis 2018 res Niconico (1st) Belle II Roll-in

Tsukuba Science & Education Meister



## Super-Cool KEK videos



### in-house short videos (~5min)

#### More Outreaches!! podcast students live-streamin KMI PR Office 2023 bunch of onl KEK50th bunch of online event 2021 KEK Openhouse Online PANDEMIC 2020

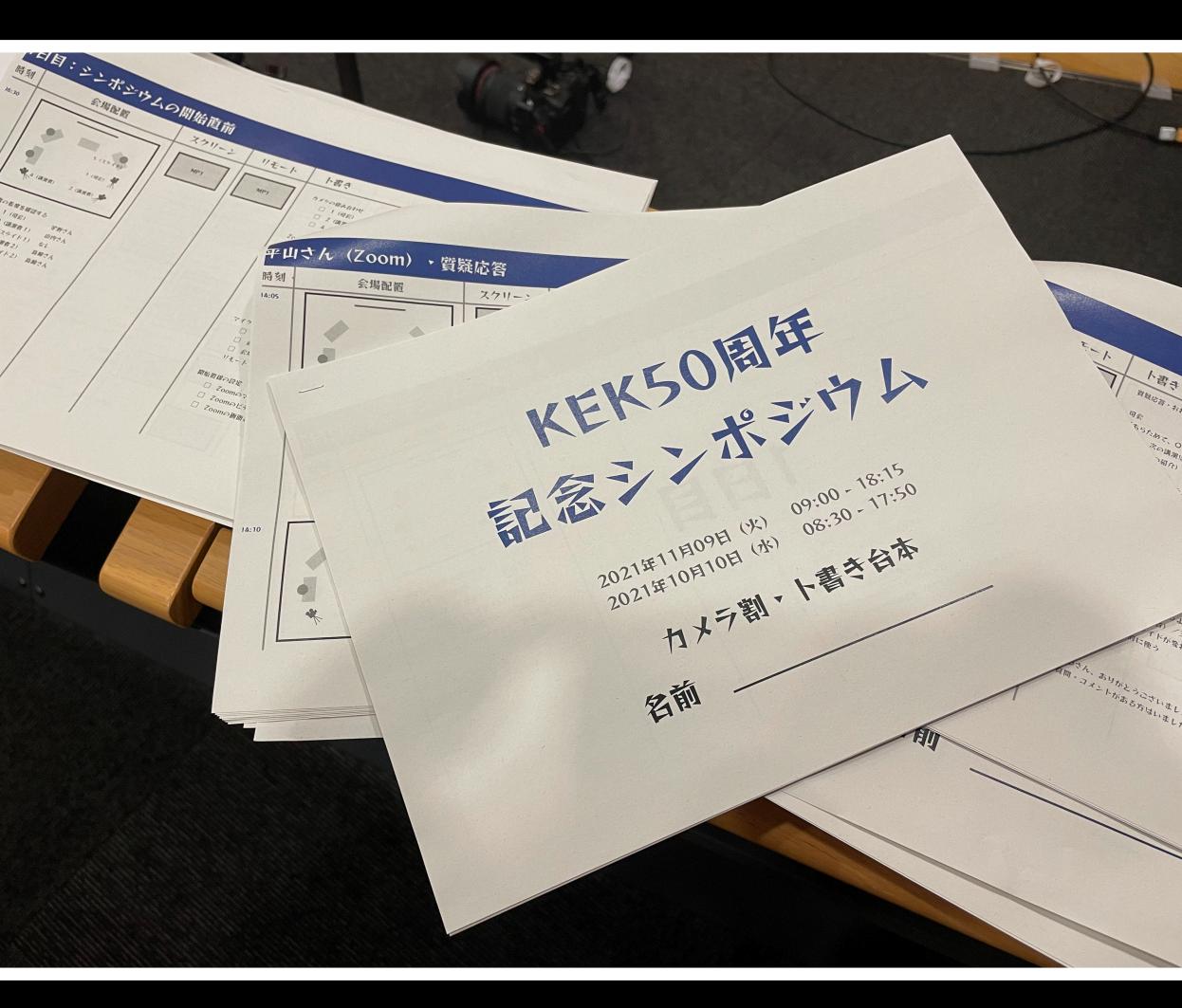
ion

#### Niconico (2nd) SuperKEKB's 1st collis 2018 reS Niconico (1st) Belle II Roll-in

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### **KEK 50th Anniversary**



#### 2 days symposium

### More Outreaches!! podcast students live-streamin KMI PR Office 2023 bunch of onl KEK50th bunch of online event KEK Openhouse Online 2021 PANDEMIC JACST 2020

#### Niconico (2nd) SuperKEKB's 1st collis 2018 reS Niconico (1st) Belle II Roll-in

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### ES Building 7F 705



### pr-office@kmi.nagoya-u.ac.jp

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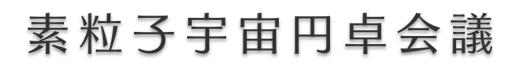
:afe Tsukuba Science & hight! Education Meister



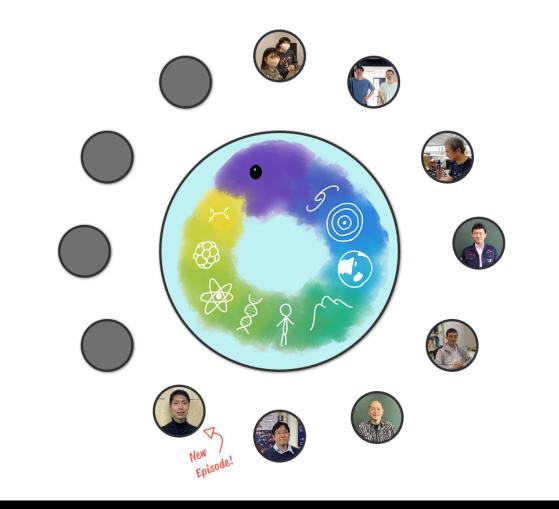
### **KMI Science Communication Team**



# Round table - Podcast



KMI SCT x 名大研究フロントラインがお届けする新企画! KMI所属の研究者の方をゲストに招き、素粒子・宇宙物理学研究の最前線について語り合う ちょっぴりディープなポッドキャスト



#### https://teamkmisc.wixsite.com/

# NU Research Frontline



#### Deep dive into recent results

#### Deep dive into recent results

#### Please listen on Spotify



#### More Outreaches!! Born podcast students live-streamin Univ, and kmi proffice Grad, School (Kyoto) ATLAS CERN Summer Student Calibration 2023 bunch of onl KEK50th 2009 T2K Experiment 2021 bunch of online event Water Cherenkov KEK Openhouse Online EARTHQUAKE 2011 PANDEMIC JACST radiation 2020 J-PARC ACCIDENT 2013 Lack of communication with local citizens Niconico (2nd) SuperKEKB's 1st collis Quit PhD lots of visiti 2018 lots of visiting lect 2014 KEK 15 lots of visiting lect 2017 2015 res Niconico (1st) PR Office Belle II Roll-in KEK Science Cafe Science Communicator Tsukuba Science & Every Friday night!

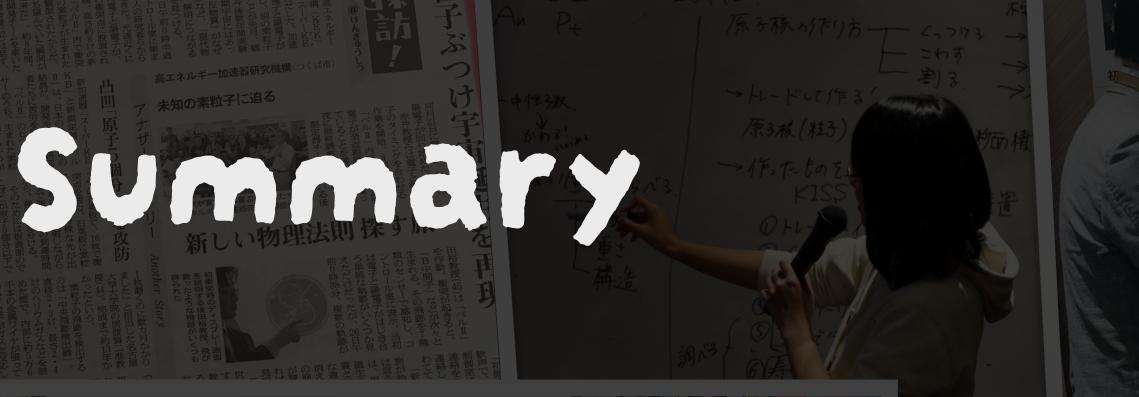
& Webmaster

Education Meister



 KEK Science Cafe; Communication for local community Live streaming : Communication for larger groups Podcast: Communication to nurture students I'd like to hear about your findings as well And let's boost our outreach activities For outreach newbie Feel free to ask your PR officer. They are willing to help you!







#### Born Univ. and Grad, school (Kyoto) ATLAS CERN Summer Students Calibration 2009 T2K Experiment Water Cherenkov EARTHQUAKE 2011 J-PARCANGEN 202 6 CANDEMIC Lack of communication 2013 with local citizens Quit PhD KEK 2015 PR Office KEK Science Cafe Science Communicator Every Friday night! & Webmaster

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> Tsukuba Science & Education Meister



### Born Univ. and Grad, school (Kyoto) CERN Summer Students Calibration 2009 T2K Experiment EARTH BEECKU95 radiation J-PARC ACCIDENT 2013 Lack of communication with local citizens Quit PhD KFK lots of visiting PR Office Science Communicator KEK Science Cafe Every Friday night! & Webmaster

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Niconico (2nd) SuperKEKB's 1st collis ots of visitil 2018 lots of visiting lect lots of visitin reS 2017 Niconico (1st) Belle II Roll-in

> Tsukuba Science & Education Meister



BLUE BACK 性理論 深川峻太郎 A 微積分も知らずに、 男は「あの山」へ旅立った! 峰に徒手 する日のローレンツ支援フッキュア よく延ばした 時間と いくりと結めた 距離を用意 します それをよく 混ぜあわせると たち ごけど、たぜこの



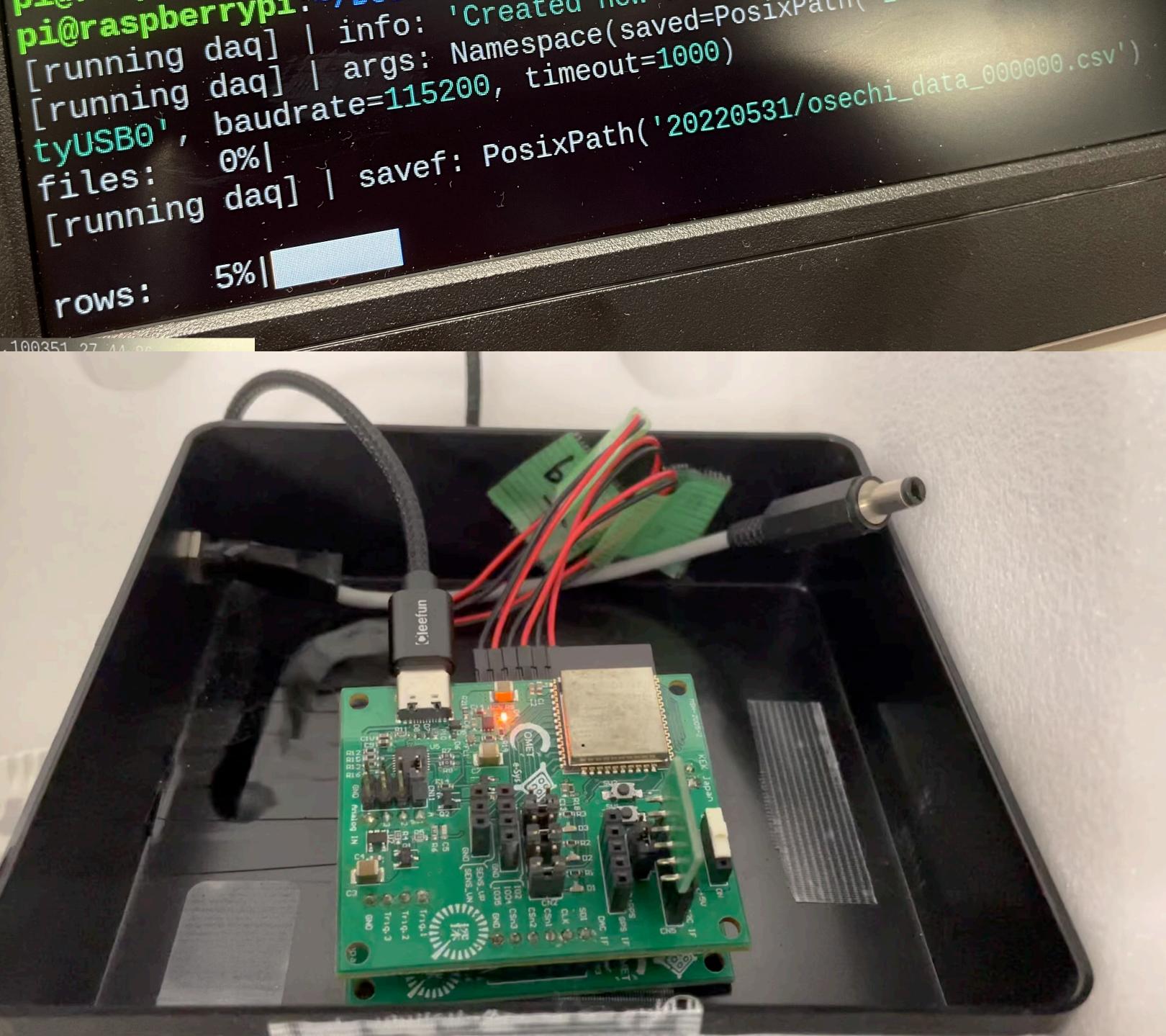
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KS -



# Welcome to AxeLatoon!

#### 研究ログを読む ⊖ パンフレット 🏓

#### 学校で加速器を作っちゃおう

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Documentation Community Blog

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#### 記事一覧 2022

小山高専で総研大の阿部さんによるセミナー及び長野高専とのオン 会を行いました。

2022-07-12 in Blog

Tags: 説明会 小山高専

総研大の阿部優樹さんによる研究紹介と、長野高専とのオンライン交流会を 阿部さんは国際リニアコライダー計画を実現するうえで重要なナノビーム収 て、KEKにあるATFと呼ばれる加速器試験施設でその実証研究をしています。 らの手でさまざまな加速器機器の精査・調整によってワールドレコードに追 ズを達成したことについて紹介していただきました。 また、阿部さんも高く ともあり、研究紹介後には高専卒業後の進路についても話が盛り上がりまし ン交流会…

続きを読む

小山高専で理研の奥野さんがセミナーを行いました。



