

# 2024/02/02 INTT 日本語ミーティング

[ミーティング一覧](#)

INTT日本語ミーティング

Friday 2 Feb 2024, 09:00 → 11:00 Asia/Tokyo

Description \*Meeting URL  
Zoomミーティングに参加する  
<https://zoom.us/j/93991701519>

ミーティングID: 939 9170 1519  
ワンタップモバイル機器  
+13462487799,,93991701519# 米国 (Houston)  
+16699006833,,93991701519# 米国 (San Jose)

所在地でダイアル  
+1 346 248 7799 米国 (Houston)  
+1 669 900 6833 米国 (San Jose)  
+1 929 205 6099 米国 (New York)  
+1 253 215 8782 米国 (Tacoma)  
+1 301 715 8592 米国 (Washington DC)  
+1 312 626 6799 米国 (Chicago)  
+81 3 4578 1488 日本  
+81 363 628 317 日本  
+81 524 564 439 日本  
ミーティングID: 939 9170 1519  
市内番号を検索: <https://zoom.us/u/adlmUqtJ8b>

09:00 → 09:15 コミュニケーション等  
Speaker: radlab phenix (riken)

09:15 → 09:35 【INTTトラッキング】トラックレットの検出効率  
Speaker: Hinako Tsujibata (NWU)  
[20230202INTTMT\\_t...](#)

09:35 → 09:55 Event Mixup  
Speaker: Mai Kano

09:55 → 10:15 DACスキャン  
Speaker: Yuka Sugiyama

10:15 → 10:35 1008 の現状  
Speaker: Dr Genki NUKAZUKA (RIKEN BNL Research Center)

ミーティング日程: 毎週金曜日 09:00 (JST)

2/16 : ROC 再インストールでおそらく休み

2/23 : 天皇誕生日のため休み

## スケジュール

- 2024/01/30 BNL Lockout/Tagout Authorized Worker class  
2024/01/30 sPHENIX Bulk TG meeting  
2024/01/30 sPHENIX tracking meeting  
2024/01/31 sPHENIX simulation and software meeting  
2024/01/31 INTT meeting  
**2024/02/01 INTT ROCs reinstallation for the South side ← 日程変更**  
2024/02/02 INTT Japanese meeting  
2024/02/06 sPHENIX Bulk TG meeting  
2024/02/06 sPHENIX tracking meeting  
2024/02/07 sPHENIX simulation and software meeting  
2024/02/07 INTT meeting  
2024/02/09 INTT Japanese meeting  
2024/02/13 sPHENIX Bulk TG meeting  
2024/02/13 sPHENIX tracking meeting  
2024/02/14 sPHENIX simulation and software meeting  
2024/02/14 INTT meeting  
2024/02/16 INTT Japanese meeting  
2024/02/17 Cheng-Wei arrives at JFK  
**2024/02/19 INTT ROCs reinstallation for the North side**  
2024/02/20 sPHENIX Bulk TG meeting  
2024/02/20 sPHENIX tracking meeting  
2024/02/21 sPHENIX simulation and software meeting  
2024/02/21 INTT meeting  
2024/02/23 INTT Japanese meeting  
**2024/01/24 物理学会講演概要提出締め切り**  
**2024/01/31 理研 APR 提出締め切り**  
2024/03/08 学会発表練習?  
**2024/03/18 日本物理学会 2024 年春季大会**

# これからの BNL 滞在予定

秋葉：2/27 には BNL にいる。2/25 着？

# リンク

# 日本物理学会 2024 年春季大会

会期：2024/03/18-21、オンライン開催

講演申し込み：終了しました

参加登録：2023/12/20 – 2024/02/05, 2024/03/01 – 2024/03/21

講演概要提出締め切り：2024/01/24 14:00 (JST)

INTT 日本グループ内の発表練習：2024/03/08 INTT 日本語ミーティングにて

講演番号	登録番号	タイトル	著者	所属	領域
21aV2-10	2083	RHIC-sPHENIX実験における中間飛跡検出器INTTの動作検証	杉山由佳, 秋葉康之 <sup>A</sup> , 池本真尋, 榎園昭智 <sup>B</sup> , 加藤智也 <sup>C</sup> , 加納麻衣, 甘林, 菊池陸大 <sup>C</sup> , 近藤崇 <sup>D</sup> , 穴倉遼太 <sup>C</sup> , 下村真弥, 道端日菜子, 寺坂優里, 中川格 <sup>A</sup> , 糸塚元気 <sup>A</sup> , 長谷川勝一 <sup>F</sup> , 波多美咲, 蜂谷崇 <sup>A</sup> , 藤木一真 <sup>C</sup> , 藤原愛実, 森本菜央, 渡部舞	奈良女子大, 理研 <sup>A</sup> , 理研BNLセ <sup>B</sup> , 立教大 <sup>C</sup> , 都立産技研 <sup>D</sup> , JAEA <sup>E</sup>	実験核物理領域
21aV2-11	1994	RHIC-sPHENIX実験における中間飛跡検出器INTTのデータ読出し	加納麻衣, 秋葉康之 <sup>A</sup> , 池本真尋, 榎園昭智 <sup>B</sup> , 加藤智也 <sup>C</sup> , 甘林, 菊池陸大 <sup>C</sup> , 近藤崇 <sup>D</sup> , 穴倉遼太 <sup>C</sup> , 下村真弥, 杉山由佳, 道端日菜子, 寺坂優里, 中川格 <sup>A</sup> , 糸塚元気 <sup>A</sup> , 長谷川勝一 <sup>F</sup> , 波多美咲, 蜂谷崇 <sup>A</sup> , 藤木一真 <sup>C</sup> , 藤原愛実, 森本菜央, 渡部舞	奈良女子大, 理研 <sup>A</sup> , 理研BNLセ <sup>B</sup> , 立教大 <sup>C</sup> , 都立産技研 <sup>D</sup> , JAEA <sup>E</sup>	実験核物理領域
21aV2-12	1973	RHIC-sPHENIX実験における中間飛跡検出器INTTを用いた飛跡再構成	道端日菜子 <sup>A</sup> , 秋葉康之 <sup>B</sup> , 池本真尋 <sup>A</sup> , 榎園昭智 <sup>C</sup> , 加藤智也 <sup>D</sup> , 加納麻衣 <sup>A</sup> , 甘林 <sup>A</sup> , 菊池陸大 <sup>D</sup> , 近藤崇 <sup>E</sup> , 穴倉遼太 <sup>D</sup> , 下村真弥 <sup>A</sup> , 杉山由佳 <sup>A</sup> , 寺坂優里 <sup>A</sup> , 中川格 <sup>B</sup> , 糸塚元気 <sup>B</sup> , 長谷川勝一 <sup>F</sup> , 波多美咲 <sup>A</sup> , 蜂谷崇 <sup>A,B</sup> , 藤木一真 <sup>D</sup> , 藤原愛実 <sup>A</sup> , 森本菜央 <sup>A</sup> , 渡部舞 <sup>A</sup>	奈良女子大 <sup>A</sup> , 理研 <sup>B</sup> , 理研BNLセ <sup>C</sup> , 立教大 <sup>D</sup> , 都立産技研 <sup>E</sup> , JAEA <sup>F</sup>	実験核物理領域
19pU1-11	1870	RHIC-sPHENIX実験におけるシリコン飛跡検出器を用いた粒子多重度の測定	波多美咲 <sup>B</sup> , 秋葉康之 <sup>A</sup> , 池本真尋 <sup>B</sup> , 榎園昭智 <sup>C</sup> , 加藤智也 <sup>D</sup> , 加納麻衣 <sup>B</sup> , 甘林 <sup>B</sup> , 菊池陸大 <sup>D</sup> , 近藤崇 <sup>E</sup> , 穴倉遼太 <sup>D</sup> , 下村真弥 <sup>B</sup> , 杉山由佳 <sup>B</sup> , 道端日菜子 <sup>B</sup> , 寺坂優里 <sup>B</sup> , 中川格 <sup>A</sup> , 糸塚元気 <sup>A</sup> , 長谷川勝一 <sup>F</sup> , 蜂谷崇 <sup>B,A</sup> , 藤木一真 <sup>D</sup> , 藤原愛実 <sup>B</sup> , 森本菜央 <sup>B</sup> , 渡部舞 <sup>B</sup>	理研 <sup>A</sup> , 奈良女子大 <sup>B</sup> , 理研BNLセ <sup>C</sup> , 立教大 <sup>D</sup> , 都立産技研 <sup>E</sup> , JAEA <sup>F</sup>	理論核物理領域
19pU1-12	1890	RHIC-sPHENIX実験における反応平面の測定	藤原愛実 <sup>B</sup> , 秋葉康之 <sup>A</sup> , 池本真尋 <sup>B</sup> , 榎園昭智 <sup>C</sup> , 加藤智也 <sup>D</sup> , 加納麻衣 <sup>B</sup> , 甘林 <sup>B</sup> , 菊池陸大 <sup>D</sup> , 近藤崇 <sup>E</sup> , 穴倉遼太 <sup>D</sup> , 下村真弥 <sup>B</sup> , 杉山由佳 <sup>B</sup> , 道端日菜子 <sup>B</sup> , 寺坂優里 <sup>B</sup> , 中川格 <sup>A</sup> , 糸塚元気 <sup>A</sup> , 長谷川勝一 <sup>F</sup> , 波多美咲 <sup>B</sup> , 蜂谷崇 <sup>B,A</sup> , 藤木一真 <sup>D</sup> , 森本菜央 <sup>B</sup> , 渡部舞 <sup>B</sup>	理研 <sup>A</sup> , 奈良女子大 <sup>B</sup> , 理研BNLセ <sup>C</sup> , 立教大 <sup>D</sup> , 都立産技研 <sup>E</sup> , JAEA <sup>F</sup>	理論核物理領域
19pU1-13	1905	RHIC-sPHENIX実験におけるジット検出手法の開発と評価	渡部舞 for the sPHENIX Collaboration	奈良女大	理論核物理領域
21pU1-9	839	sPHENIX Cold-QCD プログラム	糸塚元気, 他 sPHENIX Collaboration	理研	理論核物理領域

3/21 10:45~ @V2

3/21 10:45~ @V2

3/21 10:45~ @V2

3/19 15:15~ @U1

3/19 15:15~ @U1

3/19 15:15~ @U1

3/21 15:30~ @U1

粒子・光検出器 II

高エネルギー  
重イオン衝突

高エネルギー  
QCD

# RIKEN Accelerator Progress Report

タイトル、著者リスト含めて英語でA4 1枚のレポート。

2024/01/31 17:00 (JST) 締め切り

## 書く人とテーマ

- ・ 秋葉：?
- ・ 中川：sPHENIX RUN23
- ・ 蜂谷：INTT ソフトウェア
- ・ 下村：LV
- ・ 糸塚：INTT コミッショニングのまとめ
- ・ 杉山：DAC スキャン
- ・ 波多： $dN/d\eta$  (実データ：ADC, MIP→クラスター純度を上げる、 $\eta$ 分布がゴール)
- ・ 加藤： $dN/d\eta$  (MC : 比較)
- ・ 渡部：ジェット再構成
- ・ 宮倉：ノイズ
- ・ 加納：イベントミックス (データ読み出し)
- ・ 辻端：トラッキング
- ・ 藤原：イベントディスプレイ
- ・ 藤木：ROC テスト
- ・ Cheng-Wei : 宇宙線トラッキング
- ・ Wei-Che : スタビリティモニター
- ・ Joseph : HV GUI, サーベイ、Unpacker の 3つ
- ・ Jaein: Hot/Dead チャンネル解析
- ・ Raul: FELIX

\* 青字：原稿をメーリスで回した人

## \* Feature article

## ほかに書けそうなトピック

- ・ 量産ラダーの性能チェック
- ・ ROC テスト、修理
- ・  $\mu$  同軸ケーブル開発、性能評価、量産
- ・ ROC ポートターミネーター開発、評価、量産
- ・ イベントディスプレイ開発
- ・ ELPH テストビーム実験

## RIKEN Accelerator Progress Report Vol.57の募集

仁科加速器科学研究センターの正式な年次報告書であるRIKEN Accelerator Progress Report Vol. 57の原稿募集を開始します。 RIビームファクトリー、理研BNL研究センター、RAL支所など仁科加速器科学研究センターで2023年1-12月の期間に行われた研究(連携研究機関で行われた研究を含む)は全て、その成果および経過の報告を行っていただくようお願いいたします。 特に、この年に論文に発表されたものは、“Condensed from the article in XXXX”という形で短縮版をご投稿ください。

詳しくは、[「投稿要綱」](#)をご覧ください。

原稿提出締切：2024年1月31日(水) 17時 厳守

提出締め切り期日までに投稿されない原稿は受理できません。

仁科加速器科学研究センター加速器年次報告編集委員会

委員長 羽場 宏光

Test beam experiment at ELPH in Tohoku University for sPHENIX INTT

G. Nakazawa,<sup>1,\*</sup> Y. Akiba,<sup>1,2</sup> D. Cesario,<sup>2</sup> H. Enjuo,<sup>1</sup> K. Cheng,<sup>1,3</sup> T. Hachisuka,<sup>1,4</sup> S. Hasagawa,<sup>1,5</sup> M. Hayashi,<sup>1,6</sup> J. Nakamura,<sup>1</sup> Y. Konishi,<sup>1</sup> C. Kuo,<sup>1</sup> I.-S. Li,<sup>1,7</sup> E. Marin,<sup>1,8</sup> C. Miramonti,<sup>1</sup> M. Shihara,<sup>1,9,\*</sup> M. Shimomura,<sup>1,4</sup> C. Suh,<sup>1</sup> M. Stojanovska,<sup>1,7</sup> Y. Sugiyama,<sup>1,4</sup> R. Takahashi,<sup>1,10</sup> W.-C. Tang,<sup>1,2</sup> K. Tobe,<sup>1,10</sup> K. Tsurumi,<sup>1,9</sup> M. Watanabe,<sup>1</sup> and X. Wei,<sup>1,9</sup>

The sPHENIX collaboration report data acquisition from 2023 to study small-signal particle and quantum chromodynamics at the Relativistic Heavy Ion Collider (RHIC) in Brookhaven National Laboratory (BNL). The INTT detector, which consists of the tracking detectors in the sPHENIX detector complex, plays a crucial role in tracking and jet flavor tagging. The INTT detector consists of four INTT ladders with about 370 thousand silicon strips in total form a double-layer barrel to surround the interaction region. The test beam experiment of the prototype showed satisfactory performance in the previous year. In 2023, we performed a test beam with a detection efficiency of 100% to explore owing to its high sensitivity to ionizing radiation, a detection efficiency of 100% was achieved with a beam current of 100 pA. An internal clock of 9.1 MHz (beam clock, BCO) in the system drove the INTT while the signals synchronized with the beam clock. The beam current mismatch of the BCO and the beam may explain the modified detection efficiency. The investment intention of the INTT detector will be due to the unsynchronized operation of INTT with the test beam. We conducted a test beam experiment at ELPH in 2023 to test the hypothesis and perform the following:

- Tests and performance evaluation of the main components.
- Analog-to-digital converter distribution measurement.
- Performance evaluation of the ladders in a multi-track condition similar to that in RHIC by injecting particles with various beam injection angles with respect to the beam axis.
- Data acquisition for about 50h, divided into 65 runs.
- Data analysis of the collected data.
- DAQ stores hit coincidences with the external trigger signal. A fingerplate scintillator was installed additional to the INTT detector to measure the beam current.
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We measured hits on INTT ladders with a positive beam of 1GeV at the Research Center for Electron Photon Science (ELPH) in Tohoku University. A dark box containing four INTT ladders, which have 6056 strips in the active area of about 465.5 × 200 mm<sup>2</sup>, was placed upstream and downstream as external triggers. The trigger on the beam veto veto trigger operations, the trigger rate was up to 100 Hz. Three of the ladders could take hit data successfully. A readout board was developed to read the data from the ladders. The DAQ stores hit coincidences with the external trigger signal. A fingerplate scintillator was installed additional to the INTT detector to measure the beam current.

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# これからの学会

せっかく INTT の結果があるので、発表したいですね  
Google カレンダーにはすでに記載しています。

名称	日程	場所	参加登録	リンク	備考
日本物理学会	2024/03/18-21	オンライン	2023/12	まだ	
QCD2024	2024/03/31-4/7	フランス ラ・トゥイール	2024/1/31	<a href="#">Link</a>	sPHENIX トーク (糠塚)
DIS2024	2024/04/08-12	フランス グルノーブル	開始済み	<a href="#">Link</a>	
CPOD2024	2024/05/20-24	アメリカ カリフォルニア, LBL	アブスト： ~Mar/1	<a href="#">Link</a>	
SQM2024	2024/06/03-07	フランス ストラスブルグ	アブスト： ~Feb/17	<a href="#">Link</a>	
ICHEP	2024/07/17-24	チェコ プラハ	アブスト 受付開始	<a href="#">Link</a>	
NN2024	2024/08/18-23	カナダ British Columbia	アブスト： ~Jan/26	<a href="#">Link</a>	
日本物理学会	2024/09/16-19	北海道大学札幌キャンパス	まだ	まだ	
HP2024	2024/09/22-27	長崎	まだ	まだ	

# これからの学会

Marzia が発表者を探しているようです。

Today



**System** 00:19

@Marzia Rosati joined the channel.



**Marzia Rosati** 00:20

The Speakers Bureau is seeking nominations/volunteers for the conferences listed below, if you are interested in giving a talk please fill the nomination form at <https://forms.gle/oH8meQxAoewzCJ418>

Conferences are:

NN2024 — 14th International Conference on Nucleus Nucleus Collisions, Whistler, BC, Canada, Aug 18-23 2024.

<https://nn2024.triumf.ca/> abs deadline Feb 2 SQM2024 - 21st International Conference on Strangeness in Quark Matter 2024, June 3-7 2024, Strasbourg, France <https://sqm2024.iphc.cnrs.fr/> abs deadline Feb 17 ICHEP2024 - 42nd International Conference on High Energy Physics, Prague Czech Republic July 17-24 2024 <http://ichep2024.org/> abs deadline Feb 16

CPOD2024 - International Conference on Critical Point and Onset of Deconfinement May 20-24 2024, Berkley, California, USA

<https://conferences.lbl.gov/event/1376/> abs deadline March 1 Edited

## 参考：学会の略称

**CFNS**: 2nd workshop on advancing the understanding of non-perturbative QCD using energy flow

**SQM2024**: 21st International Conference on Strangeness in Quark Matter 2024

**QCD2024**: QCD AND HIGH ENERGY INTERACTIONS

**DIS2024**: 31st International Workshop on Deep Inelastic Scattering and Related Subjects

**ICHEP2024**: 42nd International Conference on High Energy Physics

**NN2024**: 14th International Conference on Nucleus Nucleus Collisions

**HP2024**: 12th International Conference on Hard and Electromagnetic Probes of High-Energy Nuclear Collisions

**CPOD2024**: International Conference on Critical Point and Onset of Deconfinement

**PSTP2024**: Polarized Sources, Targets, and Polarimetry 2024

# BNL での生活：米いる？

1月28日(日) ▾

19:01 ゐ 今年も糠塚の大家さんからお米を購入しますか？Nozomi というお米で、

[https://www.amazon.com/Nozomi-Super-Premium-Short-15-Pound/dp/B004NRHBC6/ref=sr\\_1\\_1?...+nozomi&qid=1657081197&sprefix=rice+nozomi%2Caps%2C203&sr=8-1](https://www.amazon.com/Nozomi-Super-Premium-Short-15-Pound/dp/B004NRHBC6/ref=sr_1_1?...+nozomi&qid=1657081197&sprefix=rice+nozomi%2Caps%2C203&sr=8-1)

というお米で、私はいつも食べていますが、なかなかおいしいと思います。50 ポンド（22.7kg）120 ドル程度（17778円）（：～7832 円/10kg）で・・・高いですね。従量制です。希望者がある程度（5名くらい？）いれば、大家さんからゲットしておきます。

a amazon.com

[Amazon.com : Nozomi Super Premium Short Grain Rice, 15-Pound : Dried Basmati Rice :](#)

Grocery & Gourmet Food

[Amazon.com : Nozomi Super Premium Short Grain Rice, 15-Pound : Dried Basmati Rice :](#)

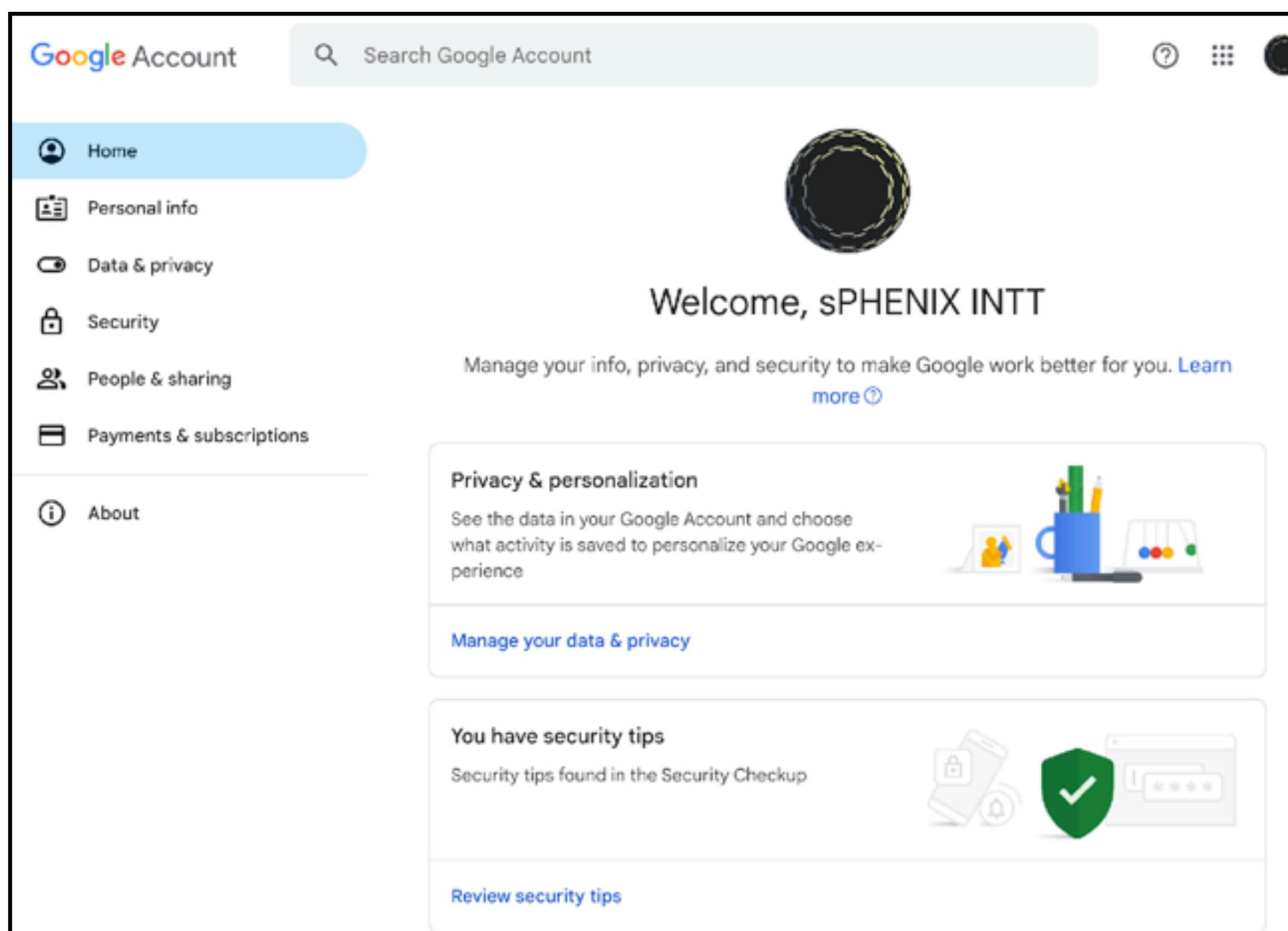
Grocery & Gourmet Food

# 新人向けの情報：Google アカウント

INTT グループで Google アカウント (intt.sphenix) を持っています。

カレンダーの予定共有やデータ共有が便利です。

共有したい方は連絡ください。



Welcome, sPHENIX INTT

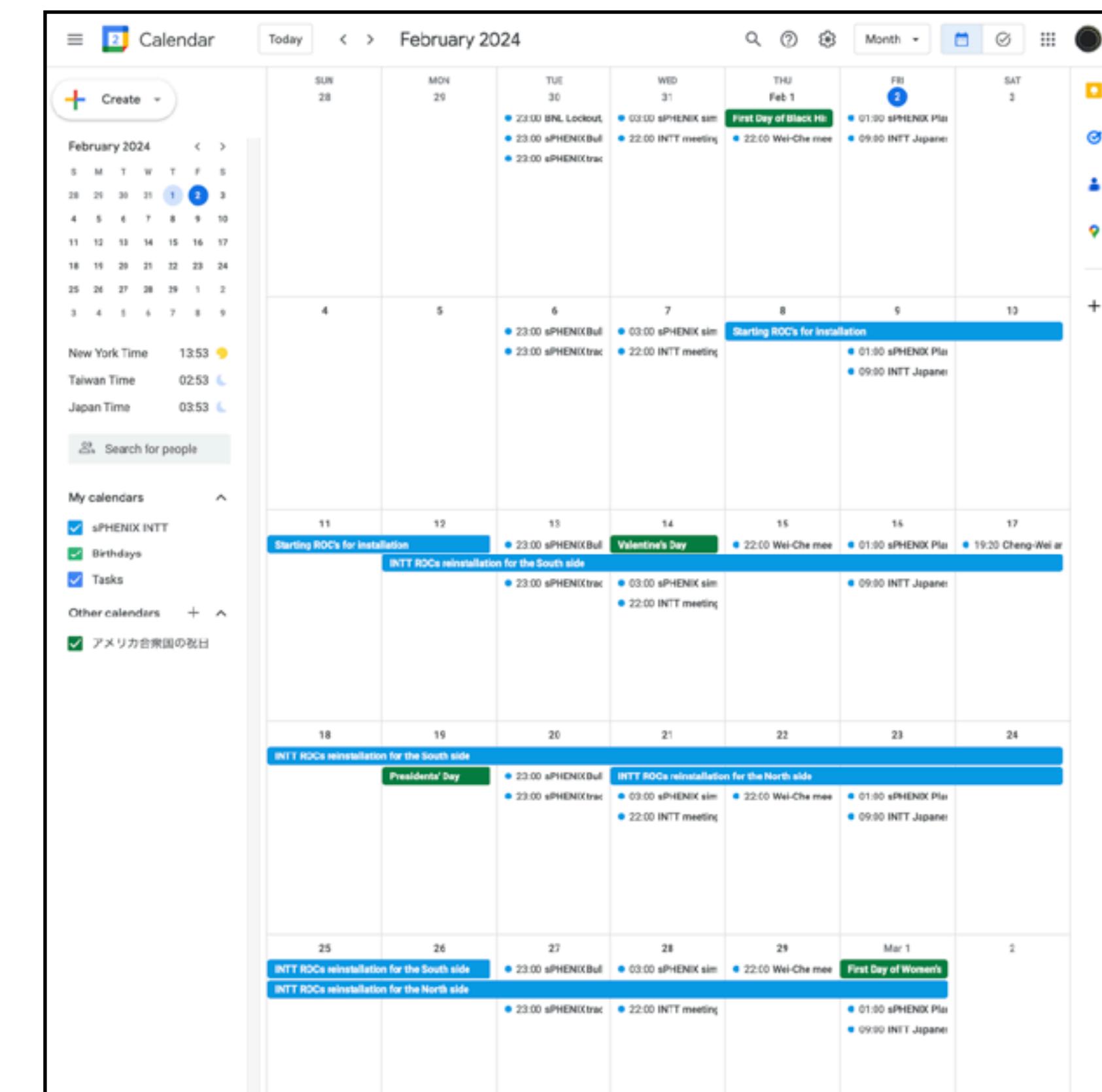
Manage your info, privacy, and security to make Google work better for you. [Learn more](#)

**Privacy & personalization**  
See the data in your Google Account and choose what activity is saved to personalize your Google experience.

**Manage your data & privacy**

**You have security tips**  
Security tips found in the Security Checkup

**Review security tips**



February 2024

SUN MON TUE WED THU FRI SAT

28 29 30 31 1 2 3

4 5 6 7 8 9 10

11 12 13 14 15 16 17

18 19 20 21 22 23 24

25 26 27 28 29 1 2

3 4 5 6 7 8 9

New York Time 13:53 🌞  
Taiwan Time 02:53 🌄  
Japan Time 03:53 🌄

Search for people

My calendars

sPHENIX INTT (checked)  
Birthdays (checked)  
Tasks (checked)

Other calendars

アメリカ合衆国の祝日 (checked)

Events:

- Feb 1: First Day of Black History Month, sPHENIX sim, INTT meeting
- Feb 2: sPHENIX Pla, INTT Japanese meeting
- Feb 6: Starting ROCs for installation, sPHENIX Bull, sPHENIX trac, INTT meeting
- Feb 7: sPHENIX sim, INTT meeting
- Feb 8: Valentine's Day, sPHENIX Pla, INTT Japanese meeting
- Feb 11: Starting ROCs for installation, sPHENIX Bull, INTT ROCs reinstallation for the South side
- Feb 12: sPHENIX sim, INTT meeting
- Feb 15: Presidents' Day, sPHENIX sim, INTT ROCs reinstallation for the North side
- Feb 16: sPHENIX Pla, INTT Japanese meeting
- Feb 17: Cheng-Wei ar
- Feb 20: sPHENIX sim, INTT meeting
- Feb 21: sPHENIX Pla, INTT Japanese meeting
- Feb 22: sPHENIX Pla, INTT Japanese meeting
- Feb 23: sPHENIX Pla, INTT Japanese meeting
- Feb 24: sPHENIX Pla, INTT Japanese meeting
- Feb 25: INTT ROCs reinstallation for the South side, sPHENIX Bull, sPHENIX trac, INTT meeting
- Feb 26: INTT ROCs reinstallation for the North side, sPHENIX sim, INTT meeting
- Feb 27: sPHENIX sim, INTT meeting
- Feb 28: sPHENIX sim, INTT meeting
- Feb 29: sPHENIX sim, INTT meeting
- Mar 1: First Day of Women's History Month, sPHENIX Pla, INTT Japanese meeting

Share with specific people or groups

User	Role	Action	X
sPHENIX INTT (Owner) intt.sphenix@gmail.com		See all event details	X
10miu28miu@gmail.com		Make changes and manage sharing	X
20cb039e@rikkyo.ac.jp		Make changes and manage sharing	X
33prominence@gmail.com		Make changes and manage sharing	X
cwshih0812@gmail.com		Make changes and manage sharing	X
daniel30915shih@gmail.com		Make changes and manage sharing	X
enoki.aki@gmail.com		Make changes and manage sharing	X
hahahachiya@gmail.com		Make changes and manage sharing	X
hosizakura@gmail.com		Make changes and manage sharing	X
jaeinhwang213@gmail.com		Make changes and manage sharing	X
lu702.t.a@gmail.com		Make changes and manage sharing	X
mayapong@gmail.com		Make changes and manage sharing	X
nukadukagenki@gmail.com		Make changes and manage sharing	X
sugiyama21730@gmail.com		Make changes and manage sharing	X
winthedaynkrysk0219@gmail.com		Make changes and manage sharing	X

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