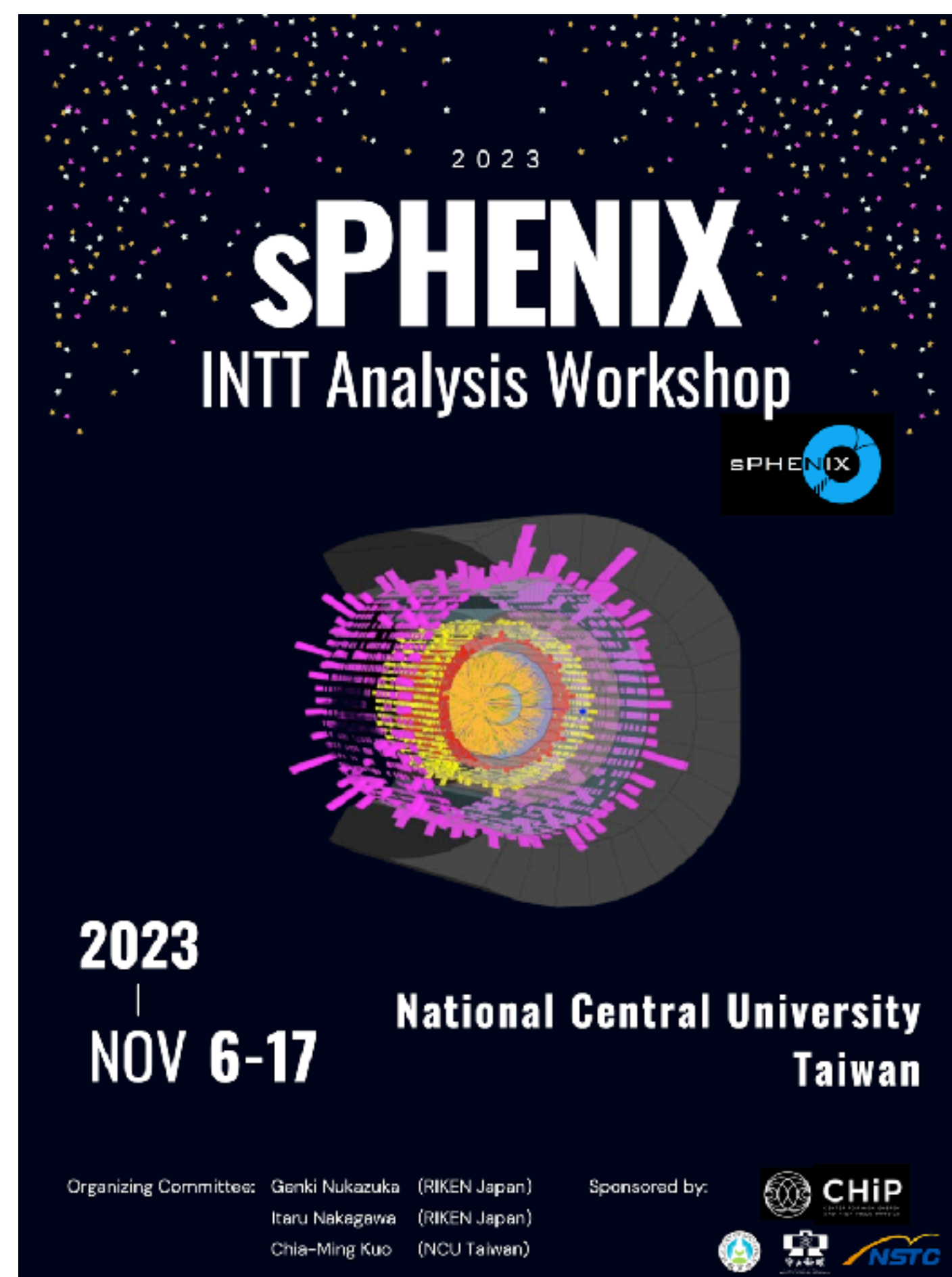


# Analysis Boot Camp@NCU

Genki Nukazuka (RIKEN/RBRC)


Chia-Ming Kuo (NCU)

Itaru Nakagawa (RIKEN/RBRC)



# Registration

The registration form: <https://forms.gle/sg2t59Z94nrFSnwJA>



**sPHENIX INTT boot camp**

- Event Timing : November 6 - 17, 2023
- Location : National Central University, Taiwan

If you have any questions , please send the email to Chia-Ming Kuo([cmkuo@phy.ncu.edu.tw](mailto:cmkuo@phy.ncu.edu.tw)),  
Hilary Chang ([hilary@ncu.edu.tw](mailto:hilary@ncu.edu.tw))

nukadukagenki@gmail.com [アカウントを切り替える](#)

共有なし

\* 必須の質問です

Last Name \*

If you haven't finished it, please do it as soon as possible.

# Indico agenda

It's still under construction...

Let me show a brief schedule on the next page.

Public

America/New\_York

G. NUKAZUKA

INTT Analysis Workshop in NCU

5 Nov 2023, 20:00 → 17 Nov 2023, 06:00 America/New\_York

Genki NUKAZUKA (RIKEN BNL Research Center)

Description

INTT Analysis Workshop in NCU is held from November/5/2023 to 17 to

- review INTT test beam analysis and plan detector publications
- review of INTT commissioning, data taking, and performance in Run 23
- prepare the INTT operation for Run 24.

Attendances are expected to be at NCU so that we can discuss/help/teach/interact more effectively. Those activities enhance work on INTT and will eventually be great help to bring success to sPHENIX.

Meeting URL

<https://zoom.us/j/92149923535>

Templates for the introduction of own plan

SUNDAY, 5 NOVEMBER

20:00 → 06:00 Day 1

20:00	Openings	00:30m
Speaker: Dr Genki NUKAZUKA (RIKEN BNL Research Center)		
21:00	Working time	1h 30m
22:00	Remarks, advice, lecture about Taiwan	00:30m
Speaker: Wei-Chi Tang (ICCU)		
23:00	Lunch	1h 30m
00:30	Introouction of own plan	00:10m
00:40	Introouction of own plan	00:10m
00:50	Introouction of own plan	00:10m
01:00	Introouction of own plan	00:10m
01:10	Introouction of own plan	00:10m
01:20	Working time	1h 10m
02:30	Coffee	30m
03:00	Introouction of own plan	00:10m
03:10	Introouction of own plan	00:10m
03:20	Introouction of own plan	00:10m
03:30	Introouction of own plan	00:10m
03:40	Introouction of own plan	00:10m
04:50	Working time	1h 40m
05:30	Time for documentation	00:30m

MONDAY, 6 NOVEMBER

20:00 → 06:30 Day 2

20:00	Review on the INTT softwares	00:30m
Speaker: Takashi Hachiga (NSC)		
20:30	Working time	2h
22:30	Discussion	00:30m
23:00	Lunch	1h 30m
00:30	Review on the INTT commissioning	00:30m
Speaker: Dr Genki NUKAZUKA (RIKEN BNL Research Center)		
01:00	Working time	1h 30m

ver latest

- Flush report by a student: 20 min
- Discussion (general): 30 min
- PhD thesis talk: 45 min
- Time for documentation: 30 min
- Introduction about work plan: 10 min
- Reviews (software and commissioning): 30 min

	9	10	11	12	13	14	15	16	17	18		
Day-1	Openings	?	Work!	Remarks	Lunch	Introduction of work plan	Work!	Break	Introduction of work plan	Work!	Time for documentation	
Day-2	Review (soft)		Work!	Discussion		Review (commissioning)	Work!		Report Student-1	Work!		
Day-3	Report Student-2	Work!	Discussion (for run 24)			Report Student-3	Work!		Yasuyuki's lecture	Work!		
Day-4	Report Student-4	Work!				Report Student-5	Work!		Report Student-6	Report Student-7		Work!
Day-5	Report Student-8	Work!				Report Student-9	Work!		PhD thesis talk	Report Student-A		Work!
Day-6	?	Work!	Discussion (publication)		Mini-workshop	Report Student-1	Work!	PhD thesis talk	Work!			
Day-7	Report Student-2	Work!		Report Student-3		Work!	PhD thesis talk	Work!				
Day-8	Report Student-4	Work!		Report Student-5		Work!	Report Student-6	Report Student-7	Work!			
Day-9	Report Student-8	Work!		Report Student-9		Work!	Report Student-A	Work!	Closing			
Day-10	Mini-workshop					Mini-workshop			Mini-workshop			



# Tentative Schedule

ver latest

The regular schedule of a day

- Flush report by a student: 20 min
- Discussion (general): 30 min
- PhD thesis talk: 45 min
- Time for documentation: 30 min
- Introduction about work plan: 10 min
- Reviews (software and commissioning): 30 min

Day-1	9	10	11	12	13	14	15	16	17	18
	Openings ?	Work!	Remarks	Lunch	Introduction of work plan	Work!	Break	Introduction of work plan	Work!	Time for docume

## Introduction of a work plan

- It's better to have a plan at the beginning of the workshop.
- All students will be asked to prepare a single side describing your plan. It doesn't need to be perfect.
- I provide the template.
- On day 1, let's introduce our own plan to everybody within 10 minutes.

### Tracking using only INTT for p-p run


Genki Nukazuka (RIKEN/RBRC)

Implementation of tracking algorithm only INTT clusters may be useful, for example, during the run. Since I'm interested in the p-p collision, I work on it, especially for the p-p collision.

Goal in this workshop: Improving the MC simulation, comparison of my results to SVTX (the tracking group's), and the MC truth.

My To-Do List

- Updating the INTT geometry (the gap between the chips, the barrel  $\phi$  offset?)
- MC truth
  - Understanding how to get the MC truth parameters
  - Adding the MC truth parameters to the output
  - Comparison of my tracking results to the MC truth
- SVTX (tracking group's algorithm (in my understanding))
  - Adding parameters from the SVTX
  - Comparison of my tracking results to the SVTX results
- (if possible) Tracking under the magnetic field
- (if possible) The same trial for jet events



A figure for an explanation if needed.

# Tentative Schedule

ver latest

The regular schedule of a day

- Flush report by a student: 20 min
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	9	10	11	12	13	14	15	16	17	18	
Day-1	Openings	?	Work!	Remarks	Lunch	Introduction of work plan	Work!	Break	Introduction of work plan	Work!	Time for documentation
Day-2	Review (soft)	Work!	Discus sion			Review (commissio ning)	Work!	Report Student-1	Work!		

## Flush report by students

- Working under moderate pressure is very effective, in my opinion.
- Let’s give a short report to tell the current status.
- Every student will present once a week.
- The talk and discussion are expected for 20 min.
- I will make a template if necessary.