Towards Run24

Genki Nukazuka (RIKEN)

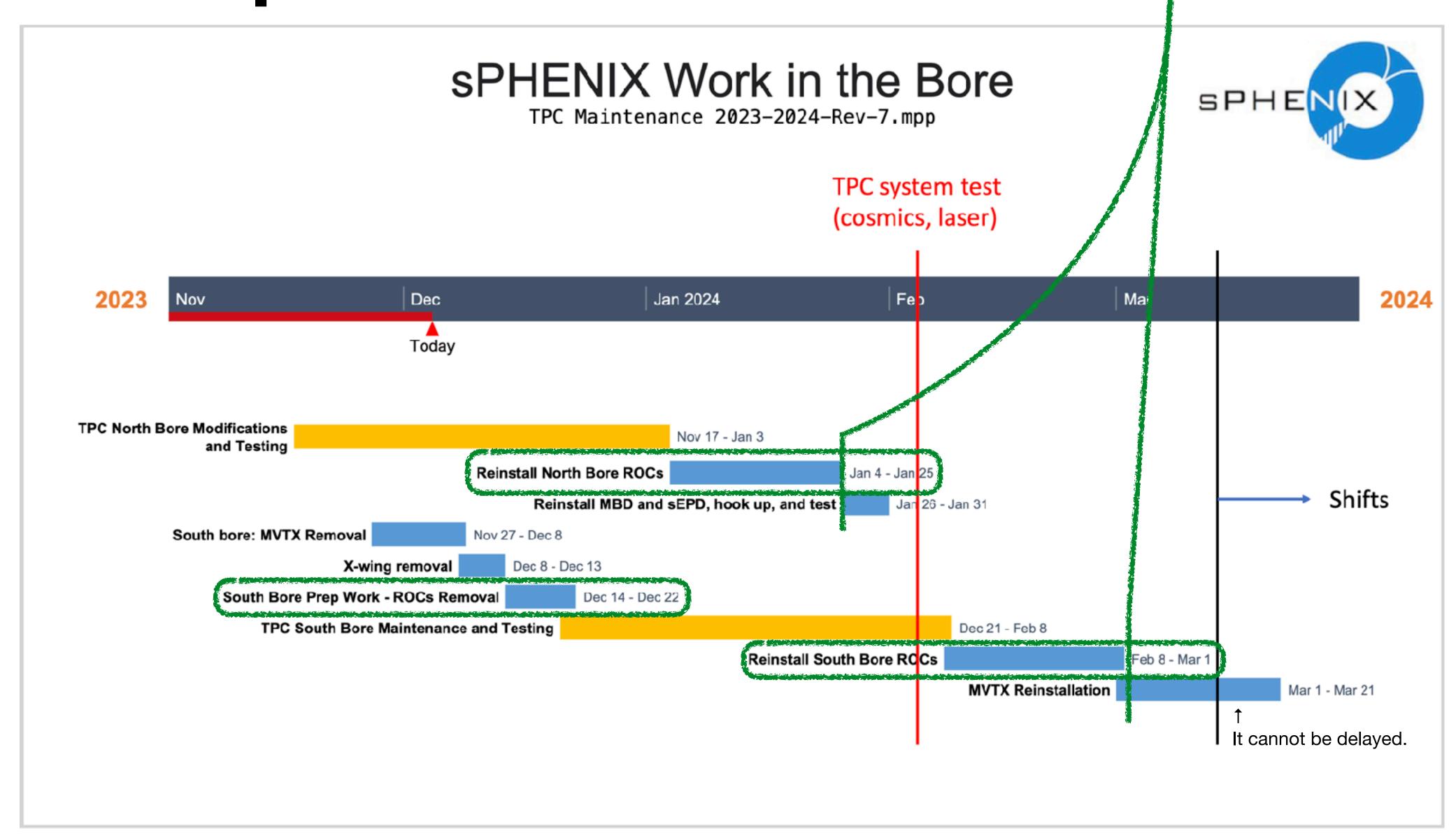
Run24

- I work as a pp commissioning coordinator. Probably, I'll also work for AuAu commissioning and pp data taking. Let's make a plan for Run24.
- The sPHENIX plan towards Run24 was reported at the collaboration meeting. We can make more realistic plan.

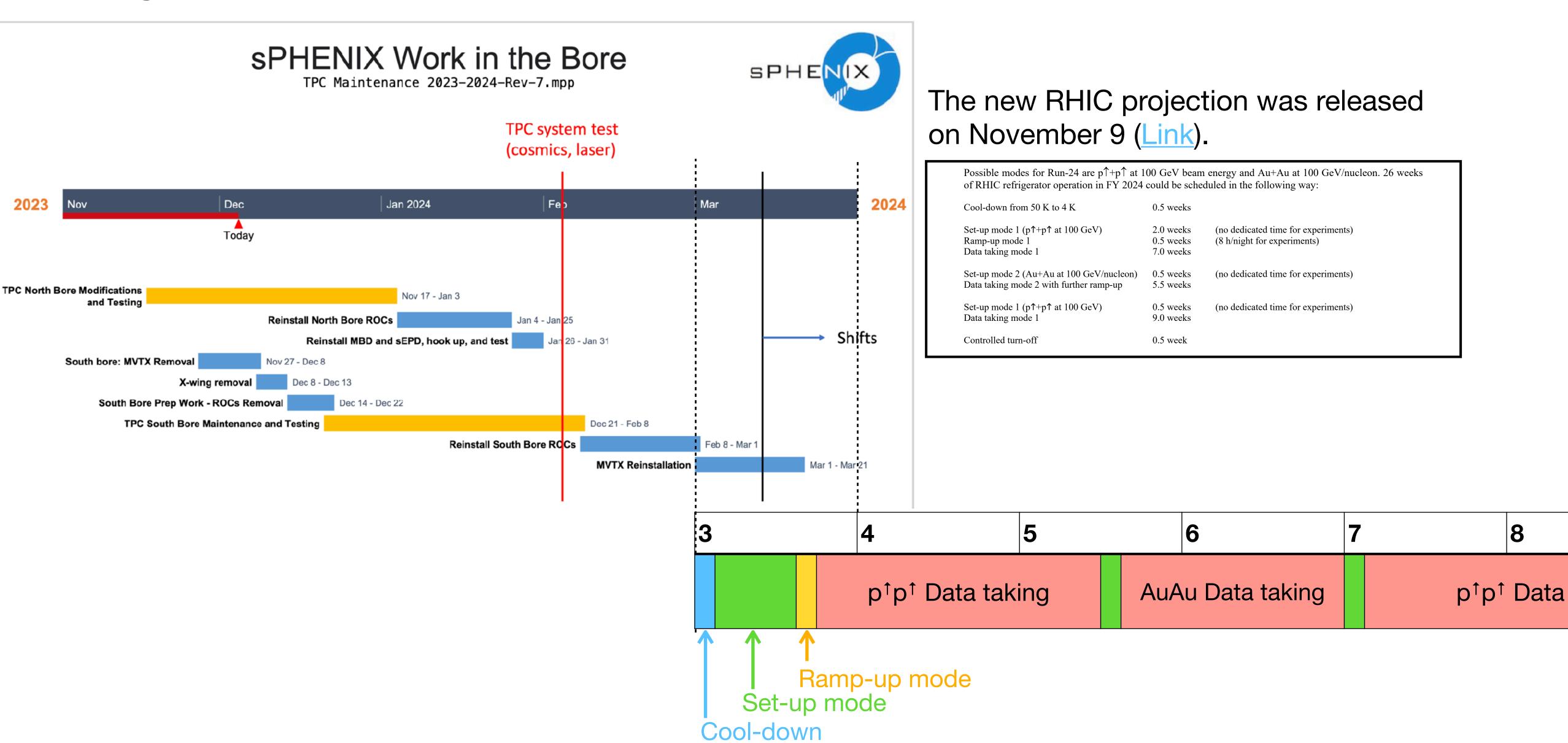
INTT Task	Name	Position		Local /Visiting	Task description
Spin coordinator	- Itaru Nagakawa	RIKEN	Staff Scientist	- Visiting	
Silicon expert	- Genki Nukazuka - Akitomo Enokizono	RIKEN RIKEN	- Postdoc - Postdoc	- Local - Visiting/remote	- Assisting shift crew in the detector daily operation, and shift change meeting
pp commissioning coordinator	- Genki Nukazuka	RIKEN	- Postdoc	- Local	- Commissioning for p+p spin physics
Assistant silicon expert	- Jaein Hwang - Cheng-Wei Shih - NCU Student (1) - Joseph Bertaux - Milan Stojanovic	KU NCU NCU PU PU	- PhD Student - PhD Student - MAS student - PhD Student - PhD Student - Postdoc	 Visiting/remote Visiting/remote Visiting/remote Visiting/remote Visiting/remote 	 Assisting silicon expert Daily checking of: data quality and signal processing
Readout expert	- Raul Cecato	BNL	- Staff Scientist	- Local	Full readout electronic operation
LV Gui	- Maya Shimomura	NWU	- Professor	- Visiting/remote	Low Voltage Gui and trip/safety limits
HV GUI	- Joseph Bertaux	PU	- PhD Student	- Visiting/remote	Bias voltage Gui and trip/safety limits
Data Quality Assessment	- Maya Shimomura - Takashi Hachiya - NWU Students (10) - Rikkyo Students (4)	NWU NWU NWU RU	- Professor - Professor - MAS Students - MAS Students	 Visiting/remote Visiting/remote Visiting/remote 	Offline evaluation of data quality
Detector operation manager	- Rachid Nouicer	BNL	Staff Scientist	- Local	Detector, auxiliaries systems, and beam condition of INTT operations

sphenix plan towards Run24 cable connections, calibration tests

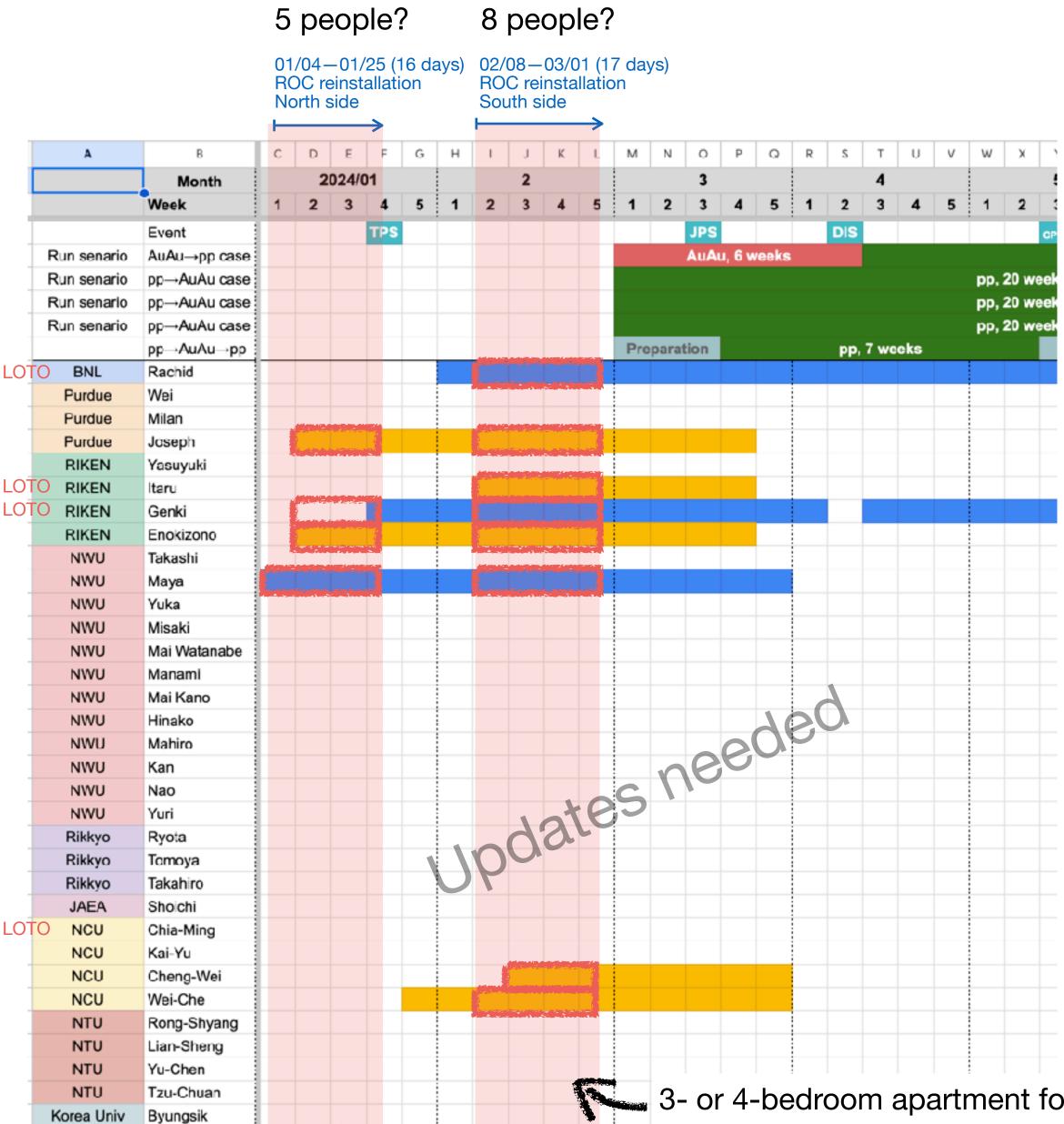
There is no gap b/w the planns. (If we follow the timeline) everything related to ROC installation, eg. cable connections, calibration tests, and debugging, needs to be completed in the term.



Run24



Run24: ROC reinstallation



Korea Univ Jaein

Overview

- ROCs on the north/sough sides will be installed again.
- Dan Cacace et al will physically install ROCs.
- INTT member will make the cable connections.
- Rob will connect the cooling lines and test them. It will be done after cable connections.

Manpower estimation

- Installation: at least 2 LOTO workers
 - A connects the cables (LOTO)
 - ► B supports A (remember 2-person rule) (LOTO)
- Calibration tests and debugging: at least 2 LOTO workers + 1 worker
 - A operates DAQ and analyzes data
 - B works for cable connection (LOTO)
 - C helps B (LOTO)

Work schedule estimation

- Day 1 4: ROC installation (by Dan et al)
- Day 5 8: Cable connections (3 ROCs/day by INTT member)
- Day 9 13: Cooling line connection and tests (by Rob)
- Day 14 16: Calibration tests and debugging (by INTT member)

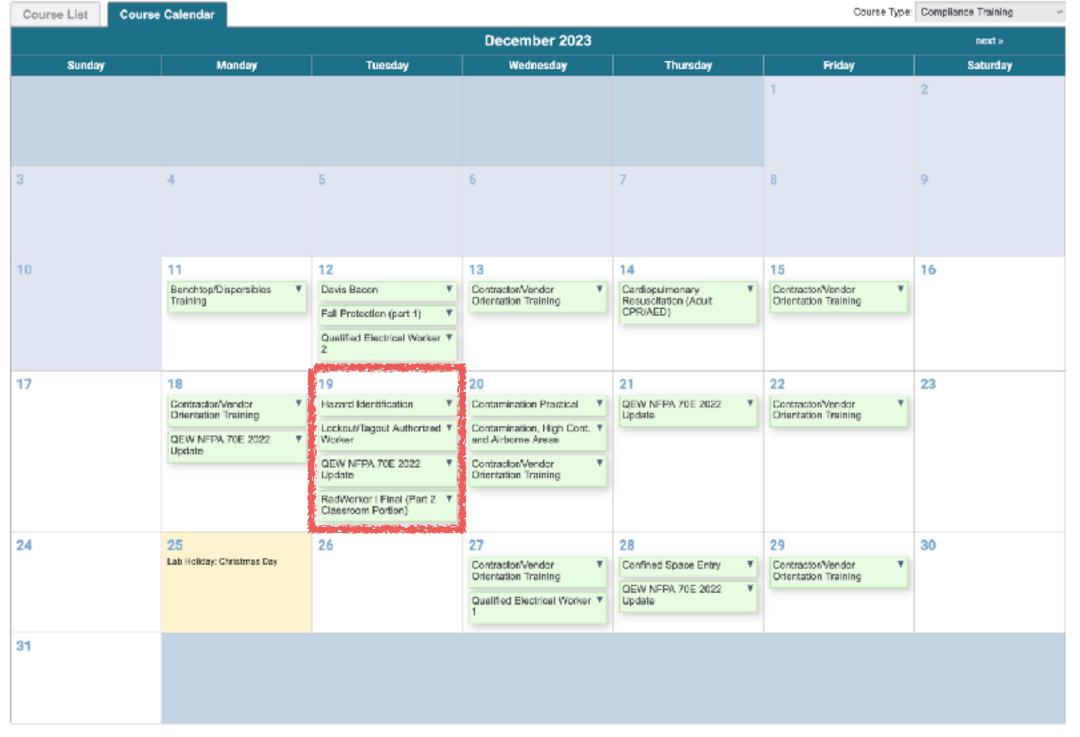
Housing estimation

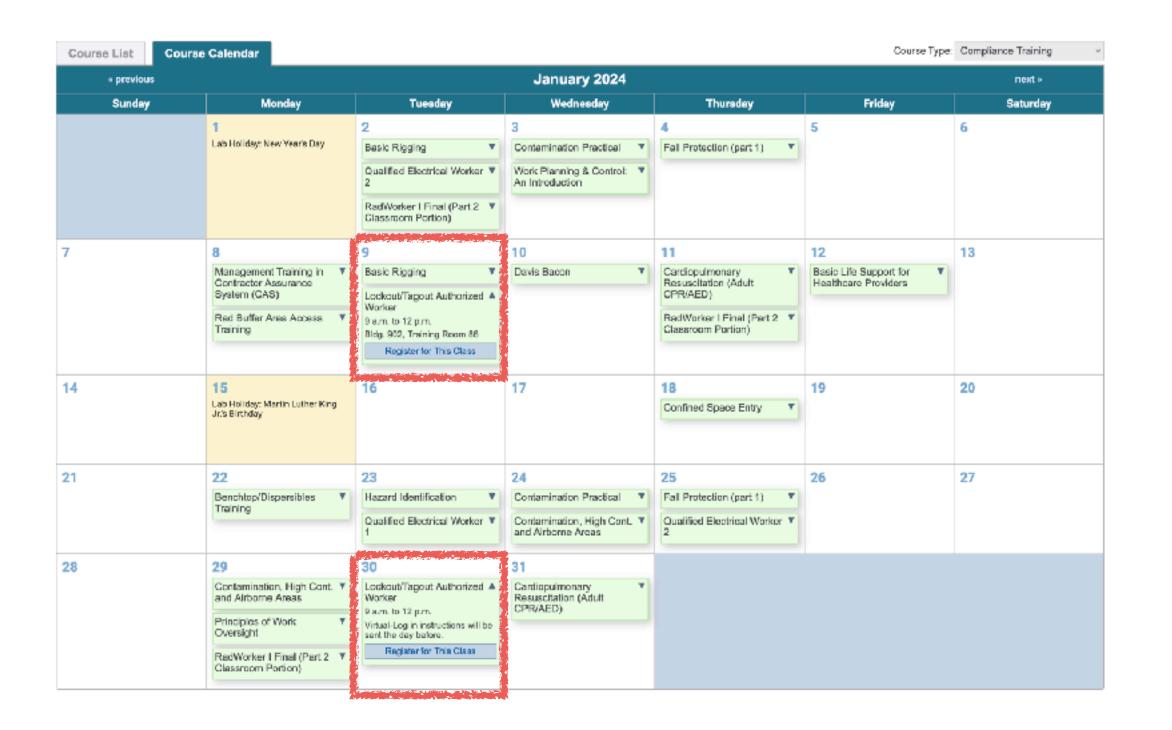
- Cavendish/Curie: \$62 / day ~ \$1860 / month
- Apartment: \$2215—3193 / 2-4 persons / month

3- or 4-bedroom apartment for 1 month is better than 3 individual rooms in Cavendish for 3 weeks.

Run24: Lockout/Tagout (LOTO) training for ROC reinstallation

- The ROC reinstallation is carried out inside sPHENIX magnet bore. Everybody is required to complete Lockout/ Tagout training to work there.
- There some steps to complete the training. You need to take a class in person, which is held 1—2 times/month.
- Current LoTo workers in the INTT team: Rachid, Itaru, Maya, Genki, Cheng-Wei, (Joseph?), (Jaein?), Raul





December 2023

January 2024