

# RIBF User Group Town Meeting

September 17, 2019  
Yamagata University

- 1) Report on the RIBF User Group activity (Suzuki)
- 2) Report from Nishina Center (Yoneda)
- 3) Others

# Report on the RIBF User Group activity

Daisuke Suzuki  
for the RIBF-Users Executive Committee

*September 17, 2019*

*The Physical Society of Japan 2019 Autumn Meeting, Yamagata University*

# Current member list of UEC

- Apr. 2017 - Mar. 2021
  - K. Wimmer, U-Tokyo/CSIC, chair
  - S. Sakaguchi, Kyushu
  - Y. Watanabe, KEK
  - W. Horiuchi, Hokkaido
  - T. Matsumoto, Kyushu
- Apr. 2019 - Mar. 2023
  - D. Suzuki, RIKEN, vice-chair → Chair for 2020 to 2021
  - H. Crawford, LBNL
  - S. Nishimura, RIKEN
  - N. Hinohara, Tsukuba, vice-chair
  - N. Shimizu, CNS
- Supplementary members Apr. 2019 - Mar. 2021
  - S. Paschalis, York
  - K. Miki, Tohoku
- Next elections spring 2021
- Amend bylaws toward the next elections?
  - The UEC chair should not be affiliated with RIKEN?
  - Only one person should represent each institute?

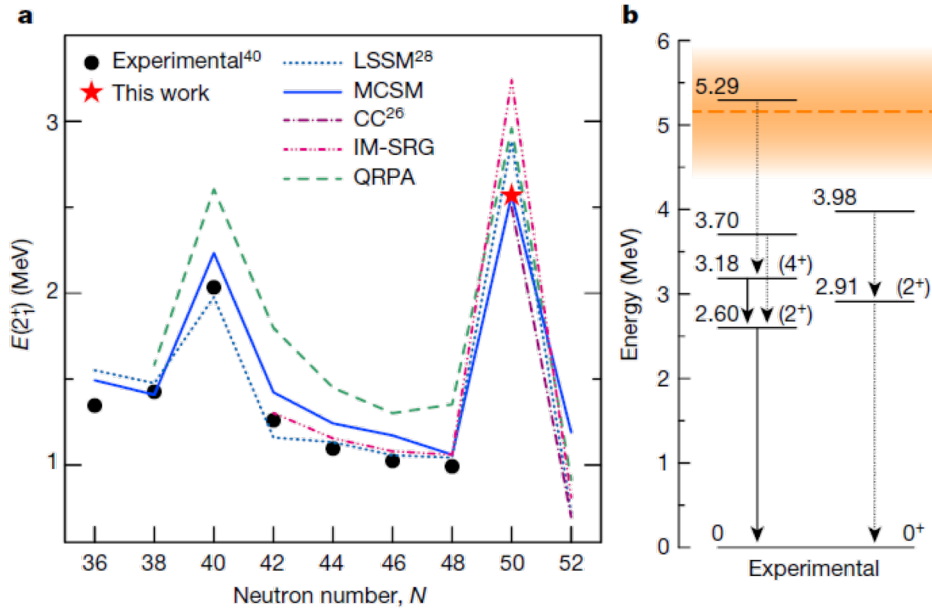
# Activities

- Regular town meeting at the JPS meetings
- Report from the MT committee (monthly)
- RIBF Users Group Thesis Award, together with RNC
- RIBF Users Meeting 2019 within the RIBF week

# RIBF Users Group Thesis Award

Dr. Ryo Taniuchi (University of York)

for his PhD thesis “In-beam gamma-ray spectroscopy of  $^{78}\text{Ni}$ ”  
(University of Tokyo, 2018)



- Selection Committee Members

H. Crawford, N. Hinohara, W. Horiuchi (Chair), T. Matsumoto, K. Miki, S. Nishimura, S. Paschalis, S. Sakaguchi, N. Shimizu, D. Suzuki, Y. Watanabe, K. Wimmer

- Eligibility: PhD theses from March 31, 2016 to present .
- Applications due on May 26. Result released on July 12.

# RIBF Users Meeting 2019

- RIBF Week 2019 (Sep. 2, 3 and 4)
  - RIBF Users Meeting (Sep. 3 and Sep. 4 morning)
  - OEDO collaboration meeting (Sep. 2)
  - SSRI-PNS collaboration meeting (Sep. 4 afternoon)
  - Joint social dinner
  - A total of 44 talks/ 52 participants (who paid fee)

Country	Number
JAPAN	45
Spain	2
FRANCE	2
UK	2
China	1
TOTAL	52

- RIBF Users Meeting
  - Chaired by K. Wimmer and organized by Y. Watanabe
  - 20 invited talks:
    - 4 talks on facility updates + 9 project summary talks + 1 RIBF award
    - 2 talks on future plans of RIBF
    - 4 theory talks

# Account balance

## Registration fee

- 500 JPY
- 2,000 JPY (for dinner)

	<b>Income</b>	<b>Charge</b>	<b>Balance</b>
Registration fee	26,000 JPY		
Coffee break		12,394 JPY	
Name plates, etc.		13,940 JPY	
Dinner	50,000 JPY	80,720 JPY	
From last year	57,070 JPY		
	133,070 JPY	107,054 JPY	26,016 JPY



# Report from Nishina Center

**Ken-ichiro YONEDA**

User Liaison Group

RIKEN Nishina Center

RIBF user group town meeting

Yamagata University, Yamagata, 17 September, 2019



- next NP-PAC meeting
- Beam Time in FY2019
- Beam Time in FY2020&21



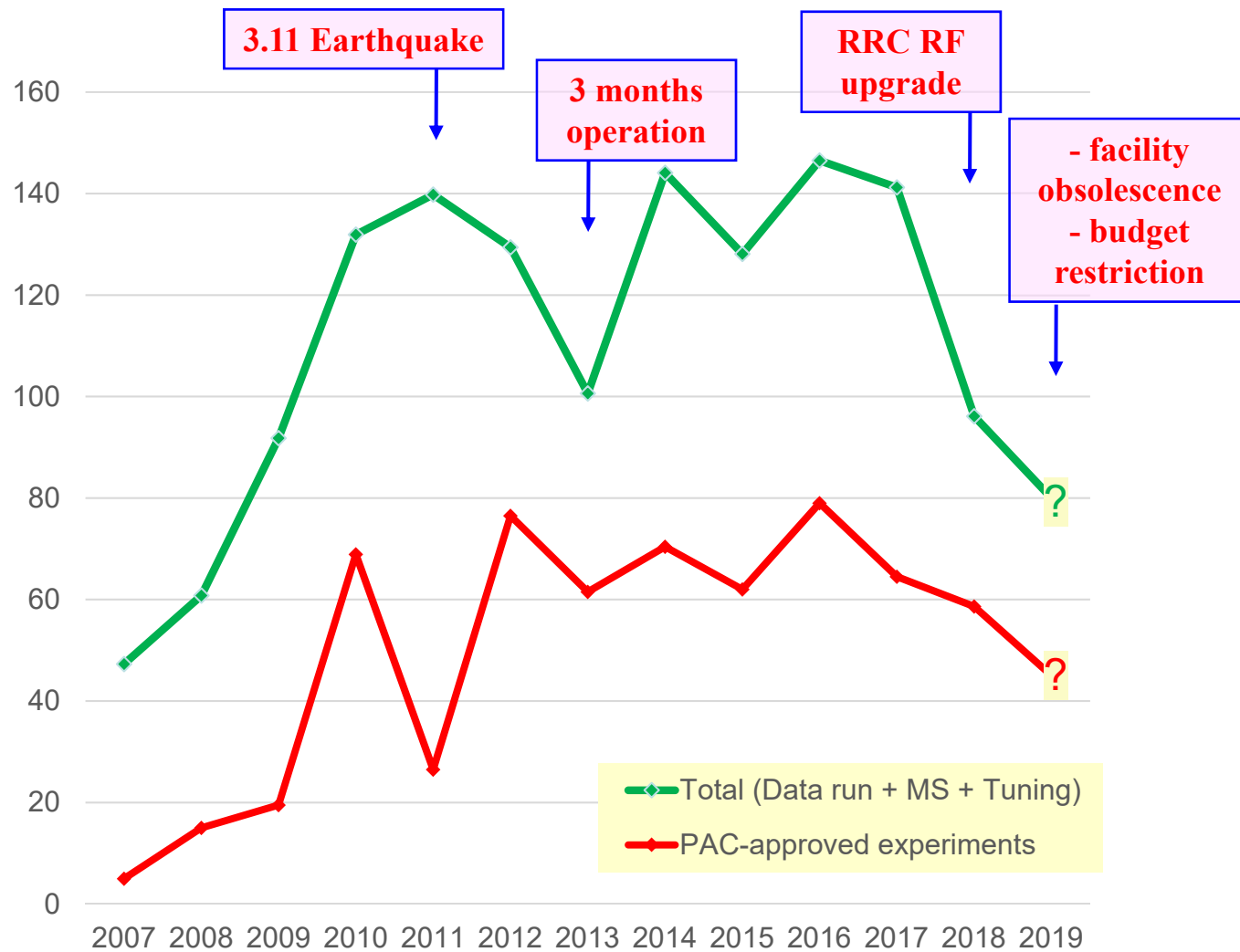
## next NP-PAC

- 20th NP-PAC meeting  
to be held on December 16 (Mon) – 18 (Wed)

Proposal submission deadline October 15 (absolute)

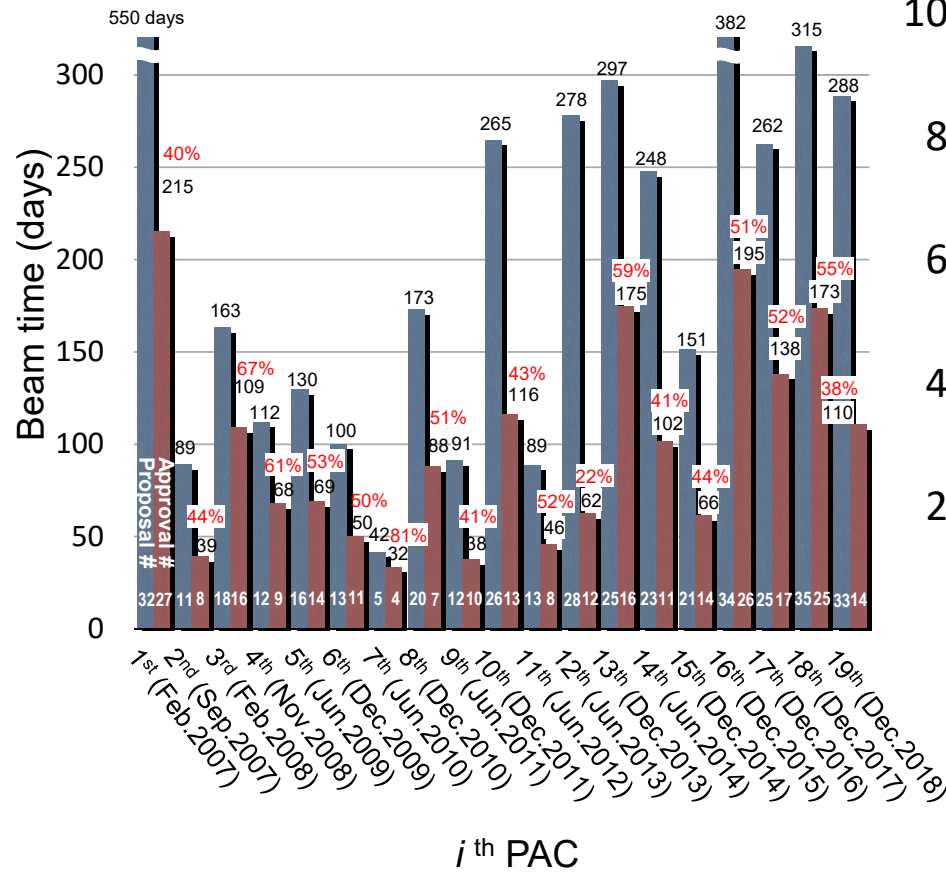
- Competition to be tough?  
many HiCARI proposals  
smaller running time this year

# Total beam time for BigRIPS experiments

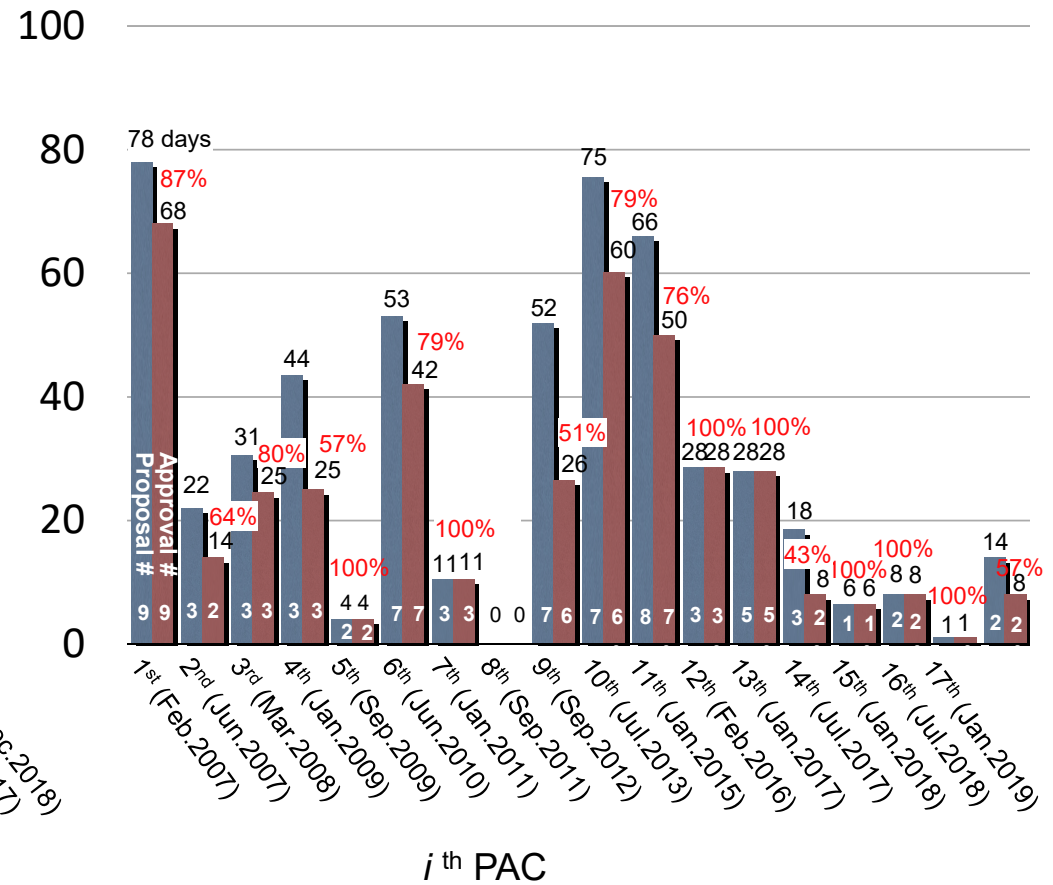


# Proposed & Approved beam times

## NP-PAC



## ML-PAC (RIBF part)



Note: Proposals approved as grade "S" & "A" (adopted from 7<sup>th</sup> NP-PAC) are counted only.

# Backlog

Beam	#exp	days
Light ions	3	20.5
$^{18}\text{O}$	1	5
$^{22}\text{Ne}$	1	5
$^{40}\text{Ca}$	1	4.5
$^{48}\text{Ca}$	7	33.5
$^{70}\text{Zn}$	5	29
$^{78}\text{Kr}$	2	18.5
$^{124}\text{Xe}$	3	21
$^{238}\text{U}$	5	29

← From FY2021?  
← Checking possibility  
← absolutely run  
in FY2020

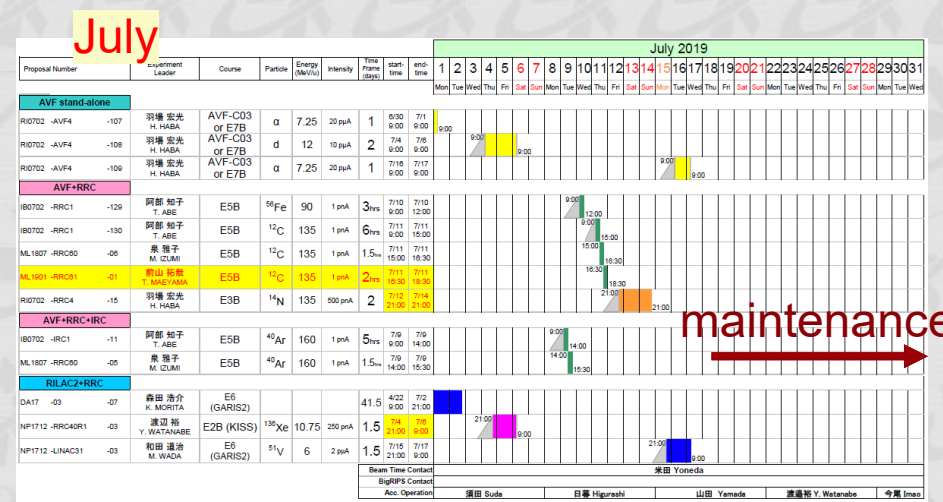
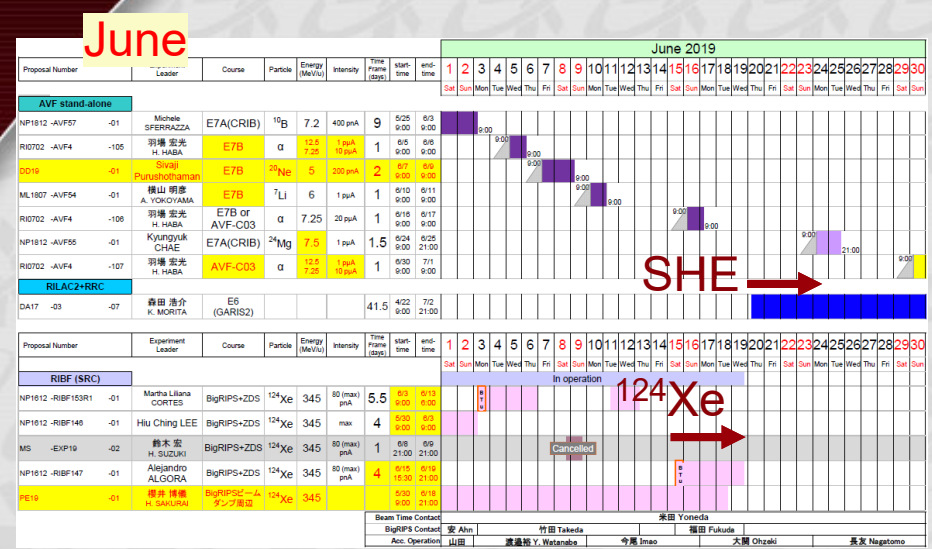
← getting smaller







# Beam Time Schedule June, July 2019



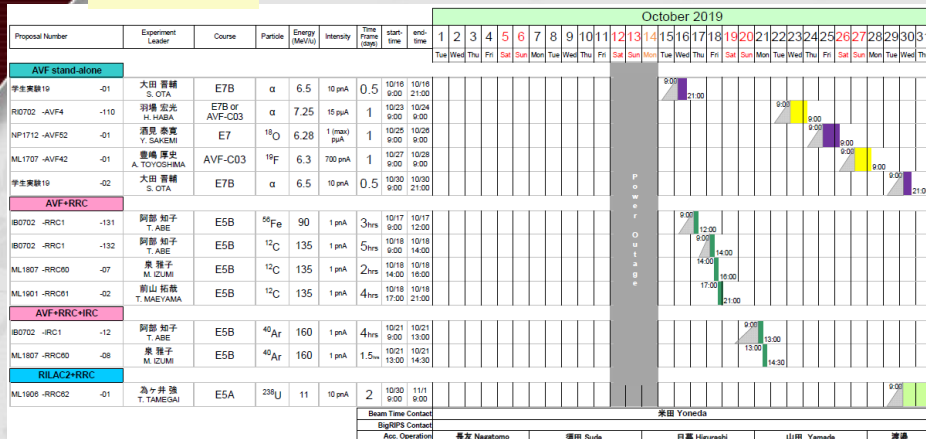
- No RRC RF trouble
  - During summer, holes were found. Repaired.



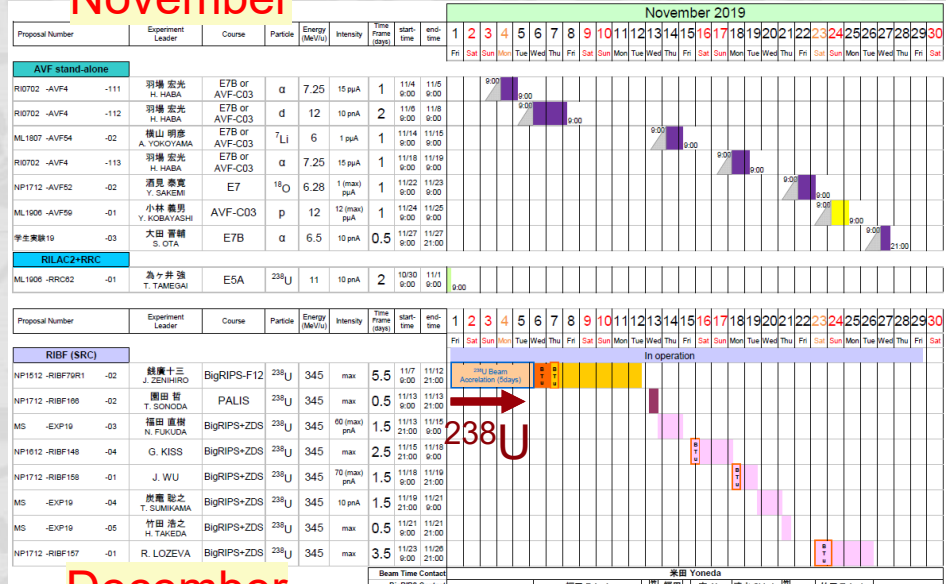


# Beam Time Schedule October – December

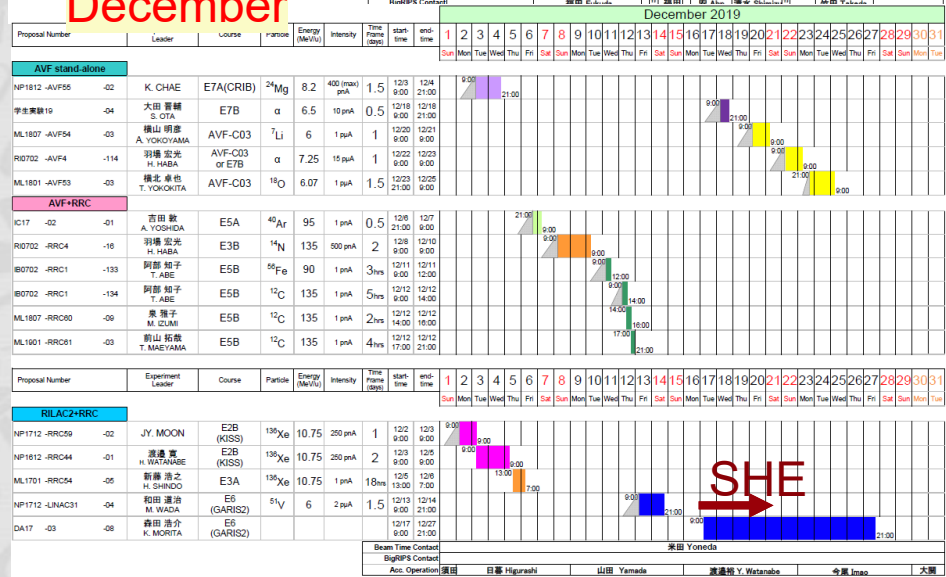
## October



## November

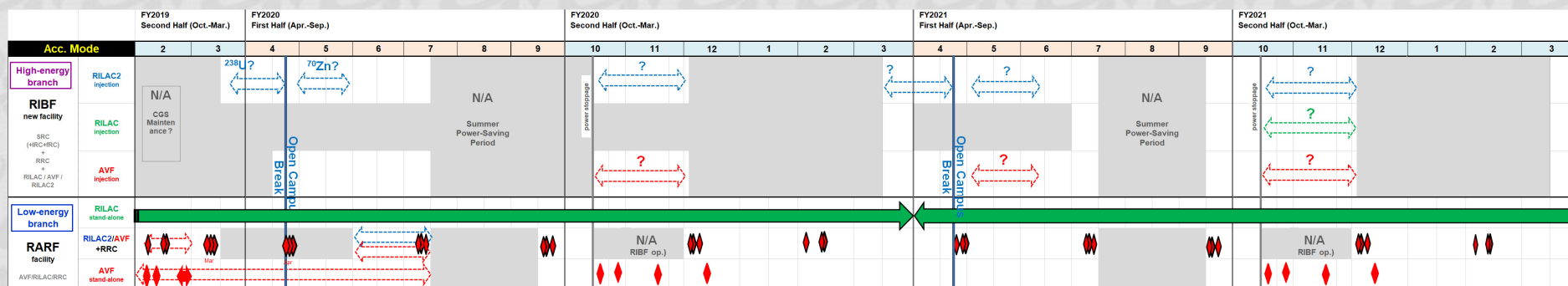


## December



# RIBF Beam Time in FY2020&21

- Nothing has been really decided but...
  - SHE occupies new RILAC running in both RILAC and RRC-E6 possible... how many days?
  - HiCARI campaign in FY2020 beams in spring –  $^{238}\text{U}$  and  $^{70}\text{Zn}$ ? Depending on PAC recommendations
  - In FY2021 RILAC injection SRC-BigRIPS experiments resume? For  $^{48}\text{Ca}$  experiments ... possibility being checked





## Summary

- Next NP-PAC meeting on Dec 16-18  
proposal submission till Oct 15
- FY2020 ...  $^{238}\text{U}$  &  $^{70}\text{Zn}$  for HiCARI?  
FY2021 ... RILAC injection resumes?