Run plan

G. Nukazuka (RIKEN/RBRC)

Current status of INTT

See the slides shown in the shift change meeting on Apr/10 for more details.

- Ladder tests were completed by pedestal measurements with DAC0=10
- LV/HV systems are working well.
- Cosmic data was taken for weeks. INTT was operated stably by shifters.
- The north side has more noise than the south side.

Beam Schedule

RHIC Schedule (Week April 15th – 21st)

Monday (4/15)

- Cryo: Blue 4k wave begins
- PSG: continue hipot and unlock supplies;
- possibly begin power supply testing

Tuesday (4/16)

- Cryo: Blue 4k wave continues; LHe delivery
- PSG: Power supply testing and Helium lead flow testing

Wednesday (4/17)

- Cryo: Yellow 4k wave begins; Blue 4k wave continues
- PSG: Power supply testing
- AOS: Maintenance (Booster AM; AGS/LINAC until 1500)

Thursday (4/18)

- Cryo: Blue and Yellow 4k wave continues
- PSG: Power supply testing and Helium lead flow testing (26 GeV ramp)
- Ops: Injection checkout

Friday (4/19)

- Cryo: Yellow 4k wave continues
- PSG: Power supply testing and Helium lead flow testing (100GeV pp ramp)
- Ops: Blue injection

Saturday (4/20)

- Ops: Blue injection
- Cryo:Yellow 4k wave continues
- PSG: Yellow power supply testing

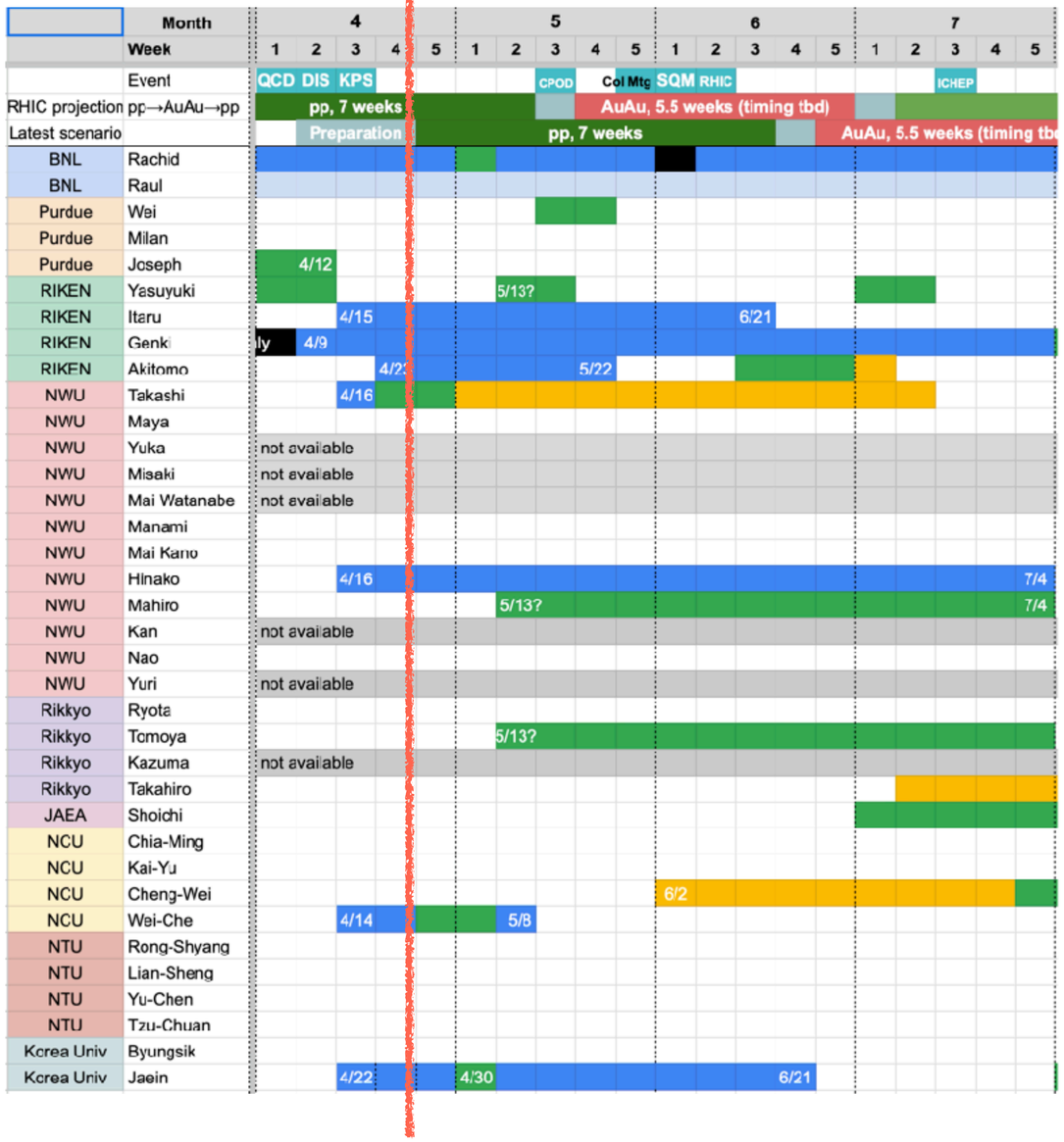
Sunday (4/21)

- Ops: Yellow injection

*Please note: Schedule is subject to change based on power supply/Helium lead flow testing result. Check into RHIC Status Meeting (9AM) for updates

Brookhaven National Laboratory

Onsite crew



- Rachid (all time)
- Raul (all time)
- Genki (All time)
- Wei-Che (Apr/14—May/8)
- Takashi (Apr/16—July/4?)
- Hinako (Apr/16—July/4)
- Jaein (Apr/22—June/21)
- Akitomo (Apr/23—May/22)
- Mahiro (May/13?—July/4)
- Tomoya (May/13?—July?)

onsite before beam

✳ Itaru (Apr/15—June/21): mainly work for ZDC/SMD

✳ Cheng-Wei (June/2—Aug/16): mainly work for ZDC/SMD

Things to be done with beam

- Time-in (all)
- Coarse clock alignment investigation (Raul, Rachid, Genki)
- Fine delay scan (Raul, Rachid, Genki)
- Beam position determination (Takashi, Hinako, Mahiro)
- Event-mixing study (Raul, Mai)
- Parameter scans
  - DAC
  - DAC scan
  - L1Delay, Modebits, (open_time; no need?)

- Ch0 mask tests (Jaein)
- Background study (large cluster in z-direction) (Tomoya)
- Streaming readout (Raul, Genki)
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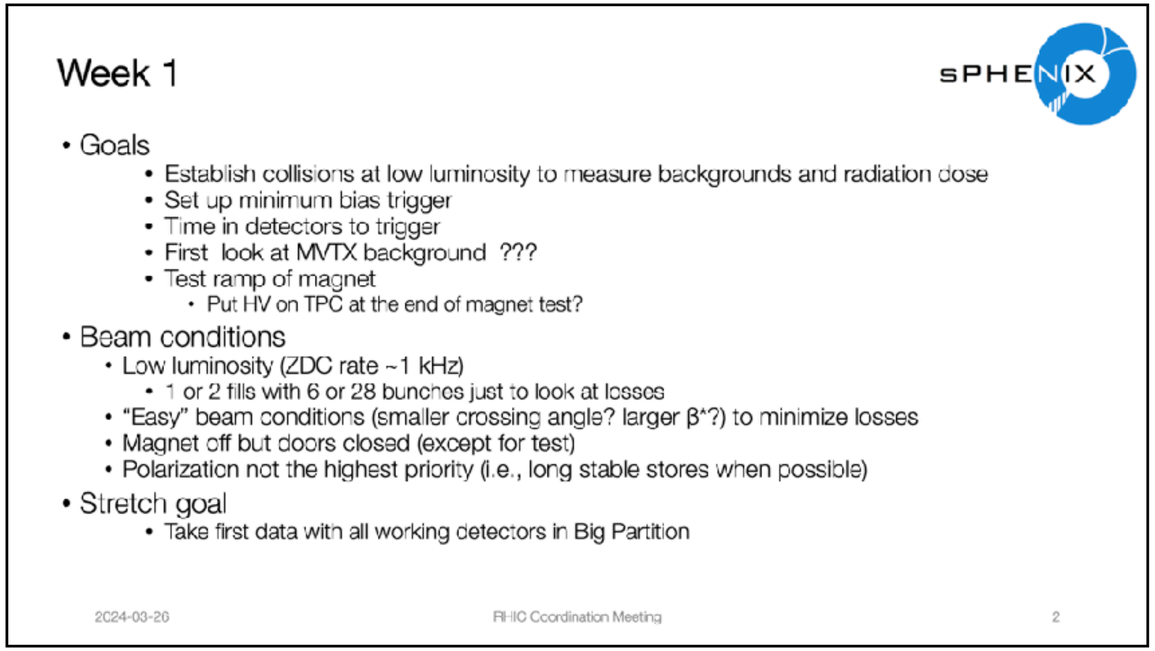
Beam: week 1

Jamie's plan



- According to Jamie's plan, we are required to be timed in.

What we are going to do

1. Apply the same configuration as last year:
   FPHX parameter: see right
   - n_collisions: 128
   - open_time: 35
   - modebits: see right
   - L1Delay: 21

   In my opinion, a large n_collision is good since we can see the peak without scanning the parameter.
2. aaa
   -

higher may be better →

Parameter	Value	Parameter	Value
Vref	1	N1sel	6
DAC0	15	N2sel	4
DAC1	30	FB1sel	4
DAC2	60	Leaksel	0
DAC3	90	P3sel	0
DAC4	120	P2sel	4
DAC5	150	Gsel	2
DAC6	180	BWsel	8
DAC7	210	P1sel	5
		Injsel	0
		LVDS	63

```
phnxrc@intt0 18:54:47 operations $ cat intt.scheduler
# modegrp repeat jump target modebitfile
# modebit default value is 0:0x36;95:0x35; (9 August 2023)
  0          0    0    0
  1          0    0    0     0:0x36;95:0x35;
  2          0    1    2
```