

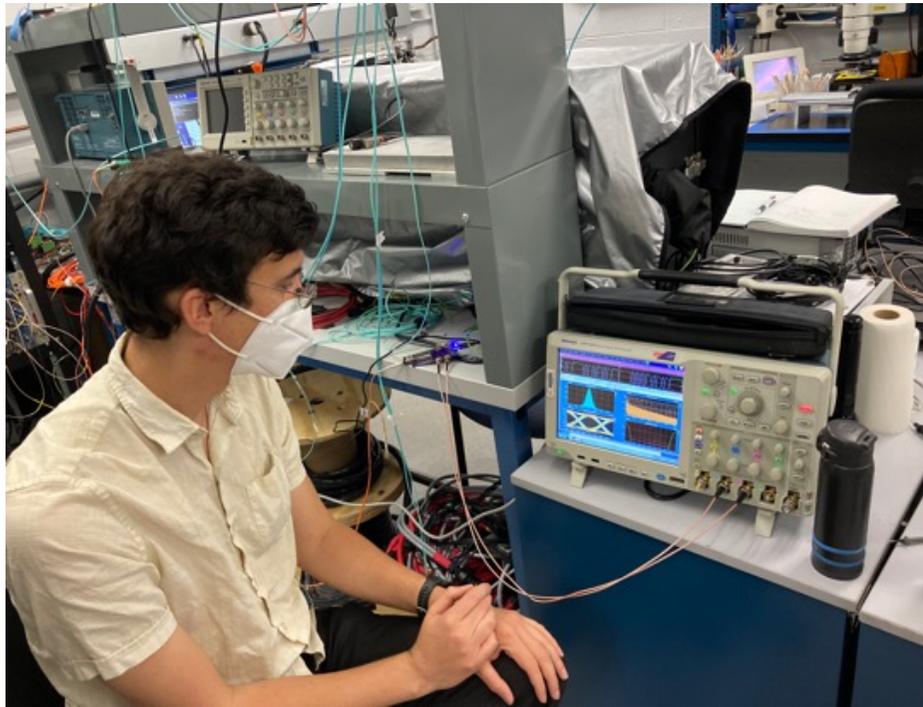
# Production Status

RIKEN/RBRC

Itaru Nakagawa

# ROC Debugging

# Fiber Sync Error Debugging with John K.

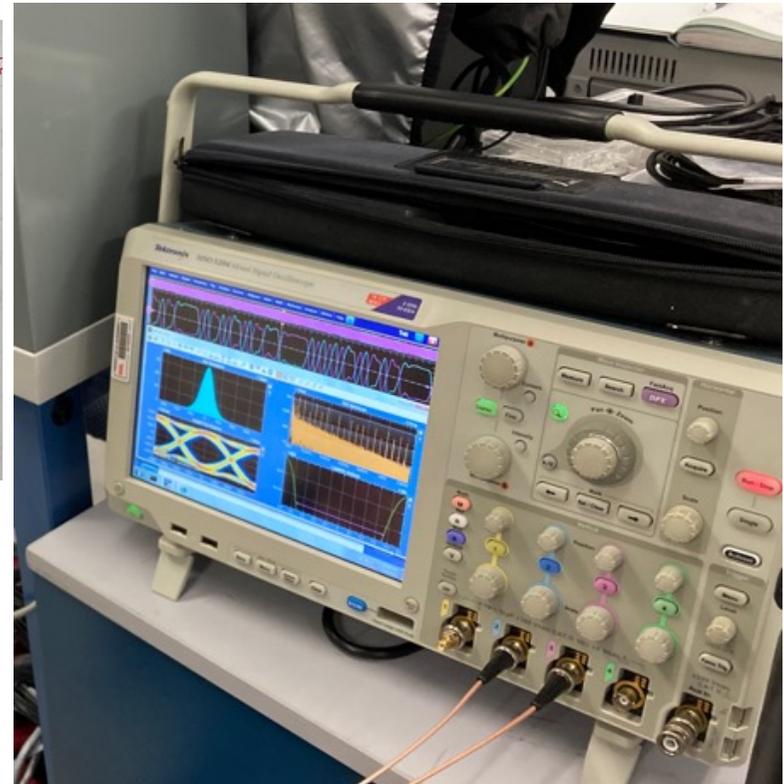


# Debugging in progress

Comma words observation by John and Raul

|           |  |        |        |        |        |        |             |
|-----------|--|--------|--------|--------|--------|--------|-------------|
|           | x FEF E                                  | x CSBC | x CSBC | E3E3   | SESE   | 7676   | } Reference |
|           | FEFE                                     | x CSBC | x CSBC | E3E3   | SESE   | 7676   |             |
| Bad port  | x 3EFE                                   | x 40BC | x CSBC | x C3E3 | x SESE | x 5676 | 3x(0000)    |
| good port | x FEF E                                  | x CSBC | x CSBC | x E3E3 | x SESE | x 7676 | 3x(0000)    |
|           | <u>After GTM Reset followed by latch</u> |        |        |        |        |        |             |
| Bad port  | x DEFE                                   | x 40BC | x CSBC | x C3E3 | x SESE | x 5676 | 3x(0000)    |
| good port | x FEF E                                  | x CSBC | x CSBC | x E3E3 | x SESE | x 7676 |             |

Indeed the comma words for bad ports are collapsed. However, we didn't observe anything suspicious in the eye diagram of bad ports. No extra jitter was observed compared to good port.



# Collaboration Meeting

# Doodle

**INTT Collaboration Meeting** More ▾

**IN** You are the organizer of the group event.

3 hours

All times are in: America/New\_York (GMT-4:00)

**Availabilities** ✓ yes 👉 if need be ✗ cannot attend ? pending

|                                 | AUG<br><b>15</b><br>MON | AUG<br><b>16</b><br>TUE | AUG<br><b>17</b><br>WED | AUG<br><b>18</b><br>THU | AUG<br><b>19</b><br>FRI |
|---------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                                 | 9:00 AM<br>12:00 PM     |
| <b>Participants</b>             | 1                       | 1                       | 1                       | 1                       | 1                       |
| <b>IN</b> Itaru Nakagawa<br>You | ✓                       | ✓                       | ✓                       | ✓                       | ✓                       |

No participants yet

<https://doodle.com/meeting/participate/id/avgARyVb>

# Collaboration Meeting Draft

- Barrel Assembly (Rachid)
- Barrel Test (Genki)
- Grounding Configuration (Rob)
- INTT Power System (Ivan)
- 1008 ROC Repair Status (Itaru)
- INTT Ladder and Beam Test Unresolved Issues (Cheng-Wei)
- Cosmic Ray Measurement at NWU (Yumika)
- Low level semi-online/offline software (Wei)
- Online Monitor (Joseph)
- Expert-GUI (Hikaru)
- ROC FPGA (Takashi)
- ...

# Open Issues

|        | Issue                          | Plan  |
|--------|--------------------------------|---|
| m-coax | Partial data drop              | Modify ROC slow control FPGA to make the readbacker working |
| ROC    | Data Fiber Latch               | Serializer debugging with John K.                           |
| ROC    | Unfunctional Calibration Pulse | Re-download ROC Slow Control FPGA                           |
|        |                                |   |
|        |                                |   |