

Production Status

RIKEN/RBRC

Itaru Nakagawa

Conference

sPHENIX Speakers Bureau Announcement

123rd sPHENIX Fortnightly Meeting Nov.12, 2021

Conferences on the Horizon:

Several Major Conferences coming up:

- **WWND2022** Puerto Vallarta Feb 27–Mar 5 2022 – Abstract and conference reg/hotel res are due **Jan15 2022**
<https://indico.cern.ch/event/1039540/>
- **QM2022** Quark Matter 2022 is the XXIXth International Conference on Ultra-relativistic Nucleus–Nucleus Collisions, April 4–10 2022 Krakow, Poland, Abstract due: **Nov 30 2021**
<https://indico.cern.ch/event/895086/>

Abstracts submitted by the **Speakers Bureau** in Collaboration with Topical Group Conveners – Presenters will be selected upon talk acceptance

PLEASE VOLUNTEER OR NOMINATE YOUR FRIENDS!

<https://forms.gle/mGpw5bepbWsjSwwu5>

Nominate yourself or your friends!

Submit nominations and self-nominations at
<https://forms.gle/mGpw5bepbWsjSwwu5>

sPHENIX Speaker Nomination Form

Use this form to submit potential speaker names to the sPHENIX Speakers Bureau. Please use the optional "Comments" field to indicate: a) speaker expertise b) potential benefits of a future talk to the suggested speaker professional growth

* Required

My name *

Your answer

My Institution *

Your answer

Suggested Speaker Name *

Your answer

Suggested Speaker Email *

Your answer

Comments (optional)

Your answer



Sent an inquiry if we need to fill out the form for poster presentations.

Quark Matter 2022 Poster Presentation?



- April 4-10, 2022
- Abstract deadline : Nov. 30th
- May be 1 ~ 2 INTT posters to be submitted? (no guarantee to be accepted)
- sPHENIX psb?

Overview

APRIL 4-10, 2022, KRAKÓW, POLAND

Beam Clock Distribution System

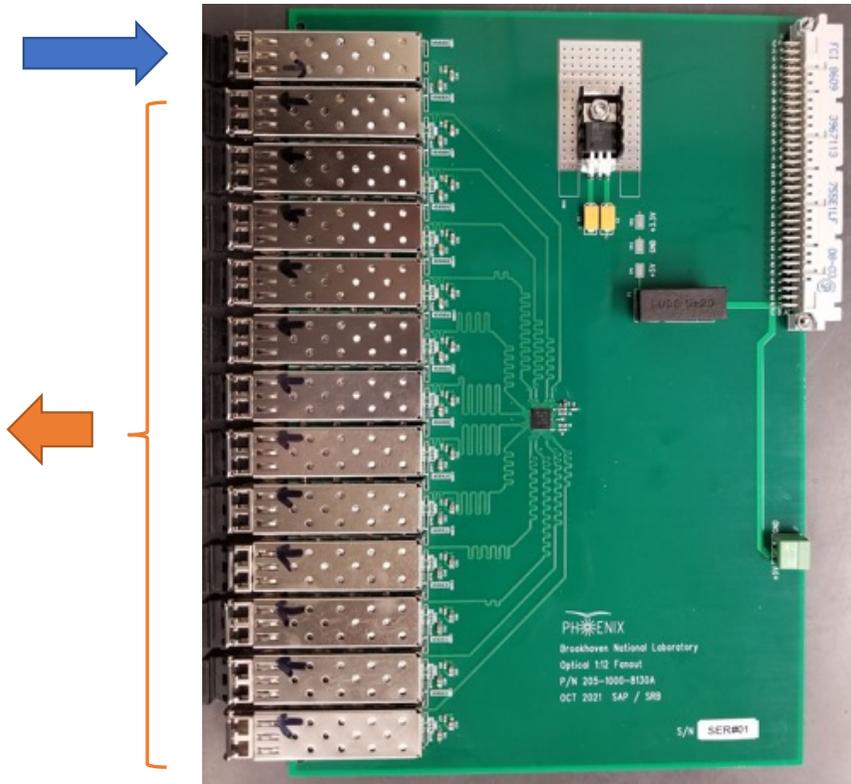
Beam Clock Fanout Board

Hi Itaru,

The 12 Channel Optical Fanout board (P/N 205-1000-8130A) is ready if you would like to use it. I just ran a pseudo-random bit test and verified no error from our ser-des board. I left the board on the desk in Sal's lab. It just requires 4V - 5V at 2.4A into the green connector for power. If this board works out for you then we can easily make the rest of the eight units that you requested.

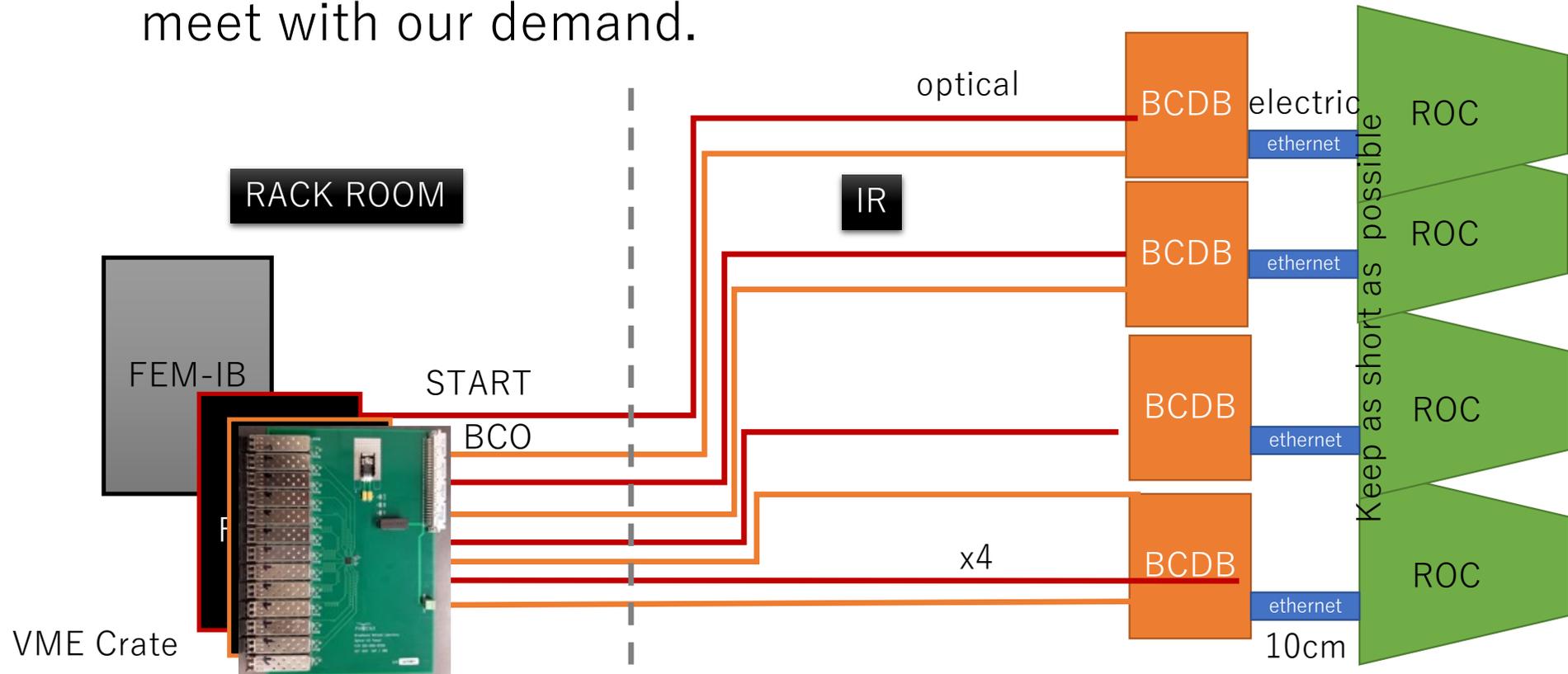
Best,

Steve Boose
sPHENIX Experiment
Brookhaven National Laboratory
BLDG 510C
Upton, NY 11973
Phone: (631) 344-2897



Strategy

- Try a commercial optical splitter and see if it works even the light intensity becomes 1/4.
- Possible redesign ex-PHENIX beam clock fan out board to meet with our demand.

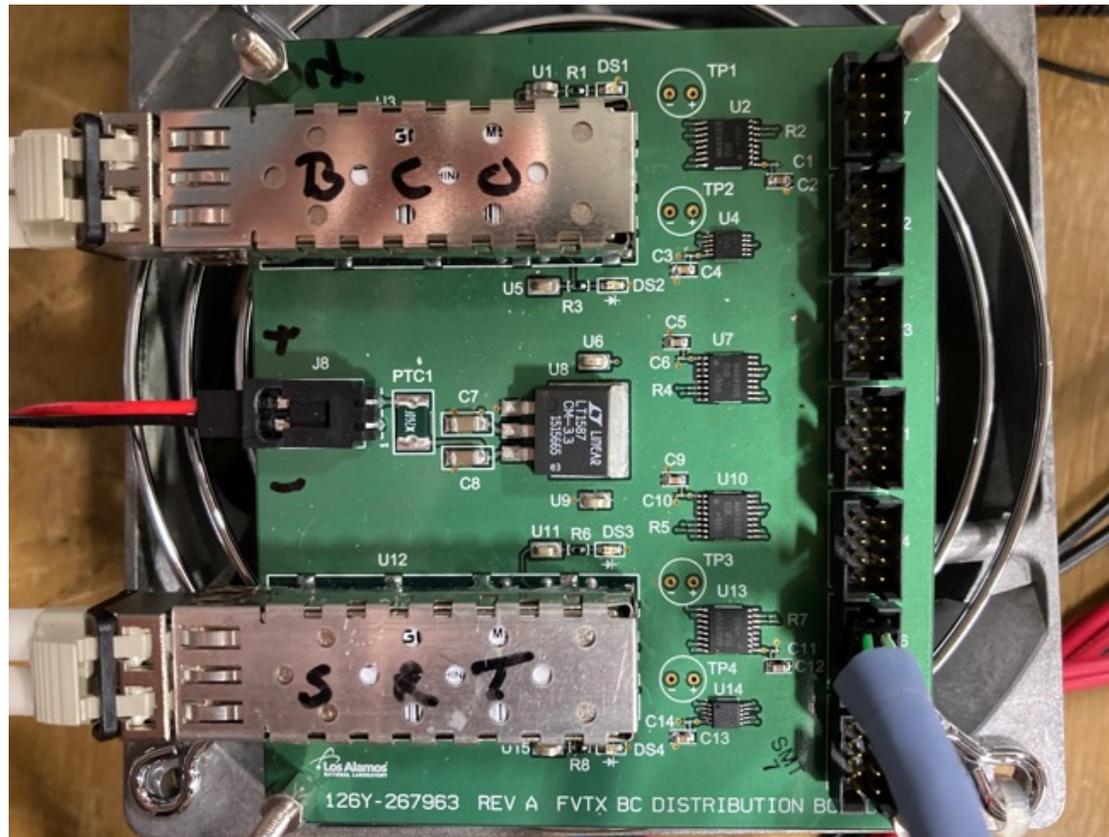


Plan

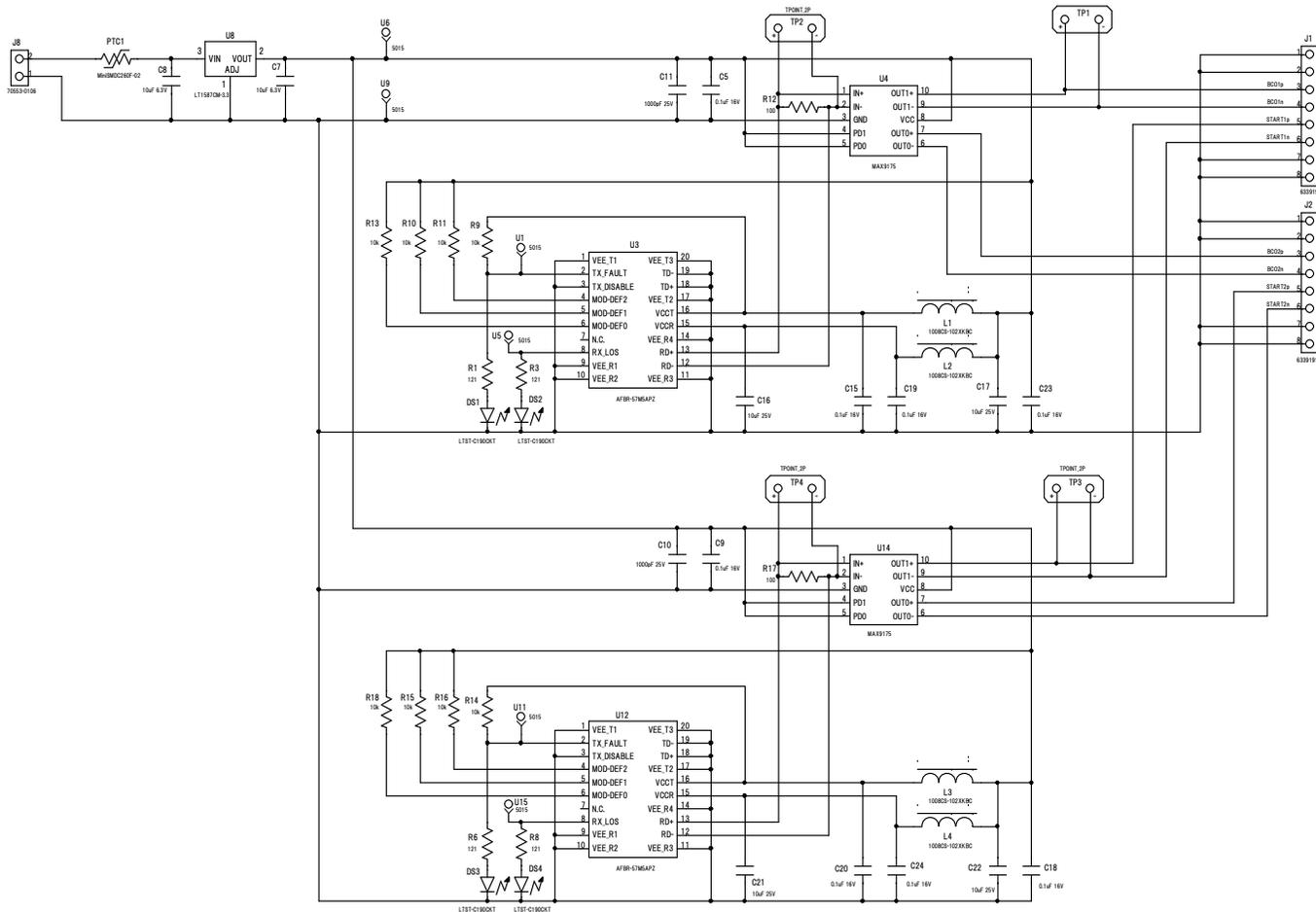
- There is only one board available. I wonder if we may want to test it in the coming beam test.
- Not sure if following configuration works. Needs to be tested in the test bench in advance.



Original BCDB



Beam Clock Distribution Board



TE Connectivity (AMP)
Model 6339191-5



Category 5

Shall we choose category 6
connector?

Ethernet Cable Category

Cat5



Cat6



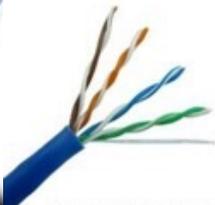
Cat7



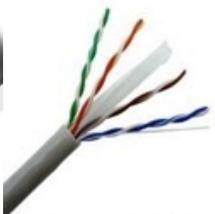
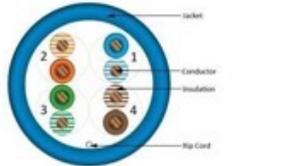
Cat8



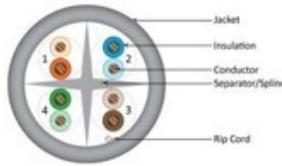
Category-8



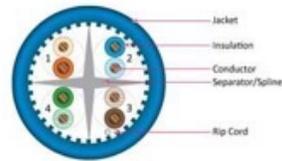
CAT5e UTP Bulk Cable



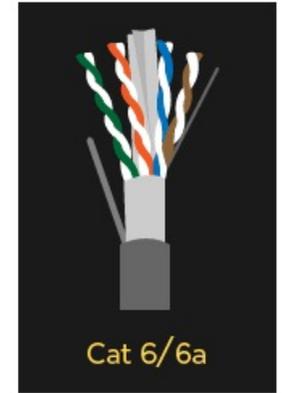
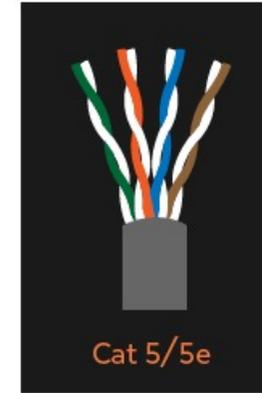
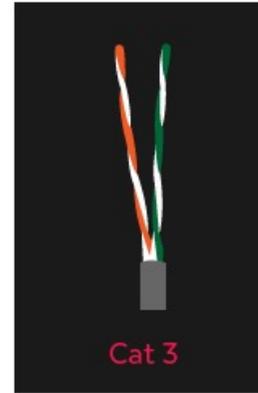
CAT6 UTP Bulk Cable



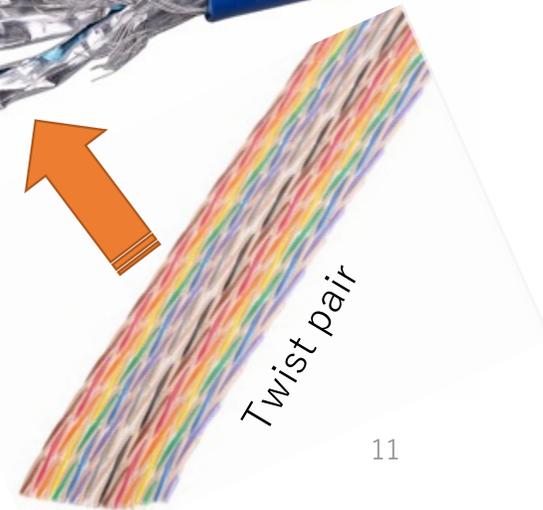
CAT6A UTP Bulk Cable



Category Cable Wiring



Better shielded



ARS社Feedback

- 回路図があっているのか
 - J1/J2については
TE Connectivity (AMP) の6339191-5でよいか
 - LED部は未接続でいいでしょうか
 - ピンアサインは添付回路図でいいでしょうか
 - 今回の見積ではTP1-4 (TPOINT_2P) は削除されていま
したが、これは不要で問題ないか