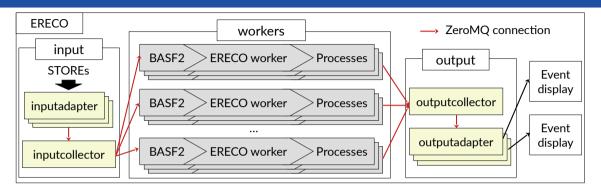
## **New ERECO Status**

Seokhee Park seokhee.park@kek.jp

**KEK IPNS** 

2022, Dec. 1st

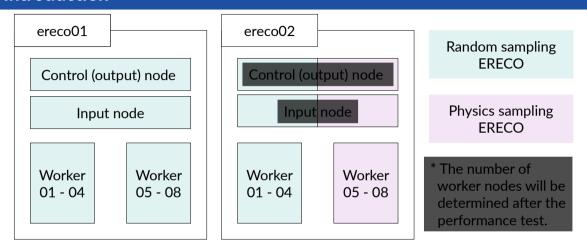
#### Introduction



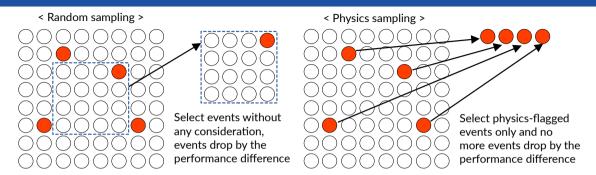
#### ■ Two goals of new ERECO

- More stable operation with ZeroMQ
- With an additional ERECO, keep more DQM statistics of physics-flagged events
  - The events are selected by the TriggerSkim module in STORE

### Introduction



### Introduction



#### **Status**

- Except the distributor and finalcollector, there is no differenct between HLT and ERECO
- Remaining issues
  - Storage inclusion / exclusion need to be tested → after setting up the STORE01-05
  - rcstate goes to ERROR when event display is disconnected / connected
    - I need to check the restate condition in output adapterd
  - The number of worker nodes for the physics ERECO
    - Trigger line selection study is ongoing by Daniel
  - Restart script preparation

# Partial SALS and non-stop DAQ

- Both HLT and ERECO has a problem for applying partial SALS
  - As similar to the STORE, the DQM file name is fixed while LOADING
  - ► I need to review histoserver programs (including proxyhistoserver)
- With long runs (non-stop DAQ), delta DQM feature is necessary

## **Expected problem**

- In the HLT, we suffer due to the too many open files
  - This could be appear in the new ERECO too
  - Itoh-san develope new ring buffer implementation for HLT
  - ► This will reduce the number of ZMQ connection, so the too many open files message also could be reduced
  - Faulty event treatment is not necessary, but I'm thinking to implement it

#### To do list

- 1. Prepare restart script including physics ERECO
- 2. (After STORE01-05 setup) test STORE inclusion / exclusion
- 3. Remove ERROR of output adapterd related with event display
  - Temporary solution: use old method for event display connection
- In parallel, review histoserver and prepare partial SALS