

# *Data Management in JLQCD Collaboration*

Issaku Kanamori (RIKEN) for JLQCD Collaboration

Jul. 28-Aug. 3, 2024  
Lattice 2024

(4 slides in total)

# JLQCD collaboration

current members: mainly in Japan

- Yasumichi Aoki (RIKEN)
- Hidenori Fukaya (Osaka U.)
- Jishnu Goswami (RIKEN)
- Issaku Kanamori (RIKEN)
- Takashi Kaneko (KEK)
- Ryan Kellermann (KEK)
- Yoshifumi Nakamura (RIKEN)
- Shoji Hashimoto (KEK)
- Kei Suzuki (JAEA)
- David Ward (Osaka U.)
- Yu Zhang (Bielefeld U.)

Action:

Tree-level Symanzik + Möbius Domain Wall (scale factor 2) with a stout smearing

# Data Management Strategy/ Access Policy

## Data Management Strategy

- Keep them in the machines that generated them
- Then, copy to Japan Lattice Data Grid (JLDG) servers
- Gfarm (same as JLDG) storage system provided by HPCI for (temporal) backup  
HPCI: High Performance Computing Infrastructure. The storage system is accessible from major supercomputer sites in Japan.

## Access Policy

- Request based  
    should be available after publications
- Planned: to be public in principle  
    the grant/institute requires to make the related data public

## Uploading to ILDG planned

- preparing some through JLDG (waiting for the meta data scheme ready)
- workflow + timeline: to be discussed
- ensembles: lattice 2022 + updates
  - $T = 0$ : 17+ ensembles, 1.5k+ configurations, 5TB+
  - $T > 0$ : 240+ ensembles, 35k+ configurations, 10TB+

(the future plan of ensembles is not yet settled, may increase a lot)

## Suggestions

- waiting for the schema ready