Proposal for Hadron2025@Osaka, Japan

- **Cochairs:** Takashi Nakano, Atsushi Hosaka
- Hosted by: RCNP, Osaka University
- **Supported by:** Kyoto, Tokyo, Tokyo Metropolitan, Nara, Tohoku, RIKEN, KEK, JAEA, and more
- Date: March 2025
- Location: Osaka downtown (Nakanoshima) or Osaka U. Campus

We (Osaka group) have good experiences of this size of conferences: PANIC2001, Baryons2010, Hadrons2013, NSTAR2015, ... and almost every year before Corona conferences of ~ 100 people

Osaka and neighborhoods



Cluster Hierarchies workshop, Sept 22 - 23, 2023, RIKEN

Why in Osaka



Expected data

Date: March 2025, five work days Avoid possible crowd of EXPO2025 from April to October Hype2025 which will be in fall or winter



Plum garden @ Osaka Castle Early March



Cherry blossoms @ Philosopher's path in Kyoto, Late March

Expected data Location: Osaka downtown or Osaka University One hour or less from KIX 1.5 hour from KIX

or



 $\sim 400 \text{ people}$





Osaka Convention Center

Osaka University

Physics theme

- Hadron spectroscopy, Structures of mesons, baryons, exotics
- Hadron reactions and interactions
- Lattice approach
- New methods (Machine learning, AI, Quantum computers, ...)
- QCD and hadron structure
- Hadrons in hot and dense matter
- Hypernuclei and kaonic atoms
- New facilities (J-PARC, KEK, SPring-8)
- Hadrons and physics beyond the standard model
- Application to medicals (Cancer therapy)

Social contributions

• Fukushima project (reconstruction)

Progress of J-PARC