

NEXTGEN TRIGGERS

ALGORITHM WORKSHOP

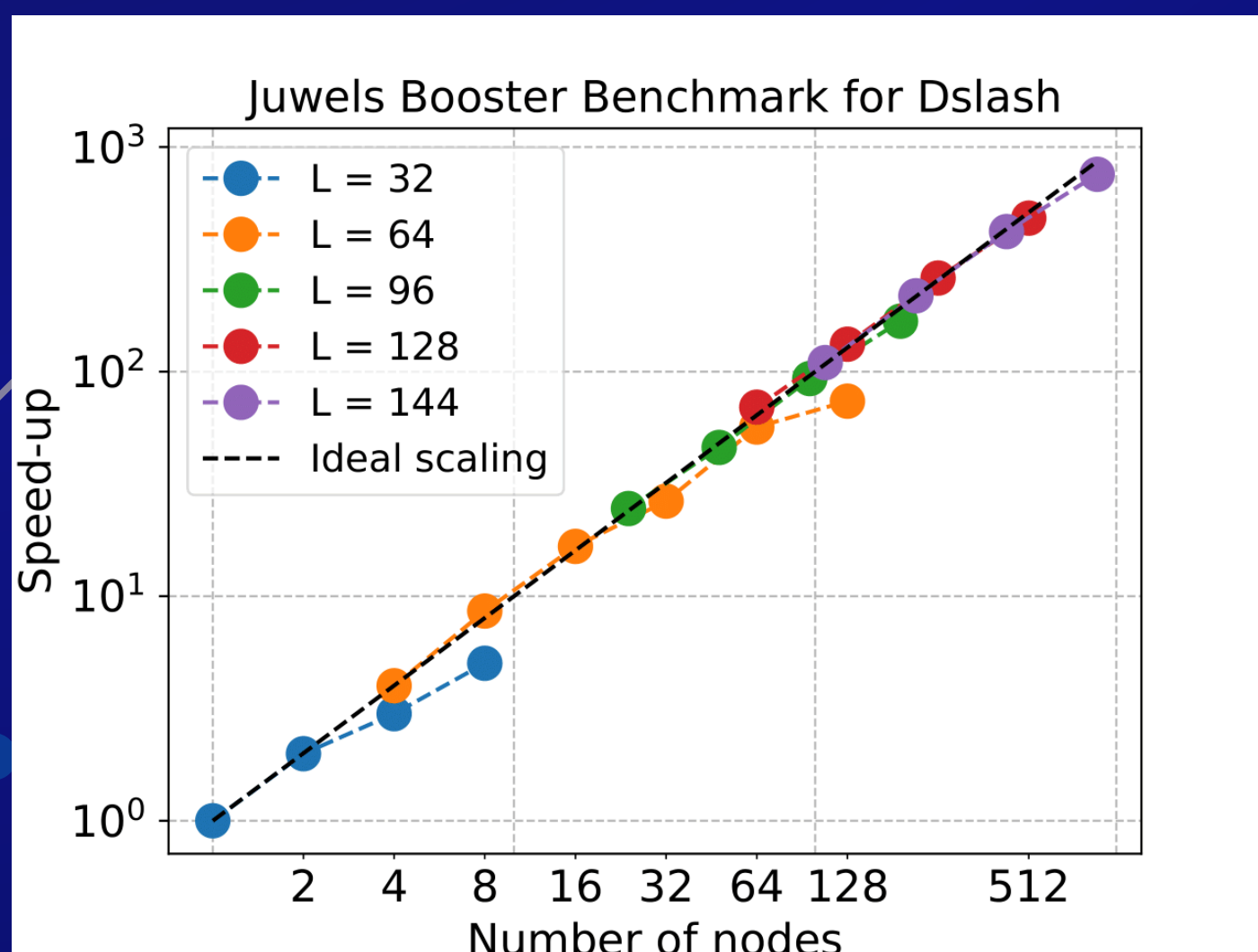
Lattice QCD at the large scale on exascale computing facilities

Speakers:

Ryan Abbott (MIT), Simone Bacchio (Cyprus), Lorenzo Barca (DESY), Peter Boyle (BNL), Claudio Bonanno (Madrid), Timo Eichhorn (Wuppertal), Jacob Finkenrath (CERN), Roman Gruber (ETH), Tim Harris (ETH), Alessandro Lupo (Marseille), Sofia Vallecorsa (CERN), Michael Wagman (Fermilab), Evan Weinberg (Nvidia), Urs Wenger (Bern), Yukari Yamauchi (University of Washington)

Organisers:

Kate Clark, Matteo Di Carlo, Felix Erben, Jacob Finkenrath (chair), Andreas Jüttner, Bartosz Kostrzewa, Simon Kuberski, Stefan Roiser, Phiala Shanahan, J. Tobias Tsang



Day 1

Variance reduction; Long distance noise and excited states

Day 2

Novel sampling algorithms for fine lattice spacing; Fine lattice spacings and ML for physics

Day 3

Novel computing architectures; Scientific computing in the era of LLMs

9 - 11 December 2024

Location: 4/3-006 TH Conference Room,
CERN

More information

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