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| Session Title:   | [Mo3C] Trapped Ions and Interfaces |
| Session Date:    | August 5 (Mon.), 2024              |
| Session Time:    | 15:15-16:45                        |
| Session Room:    | Room C (107-109)                   |
| Session Chair(s) | Prof. Hyukjoon Kwon (KIAS, Korea)  |

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[Mo3C-1] [Invited] 15:15-15:45

Toward Realizing Quantum Advantage with Trapped Ions

Kihwan Kim (Tsinghua Univ., China)

[Mo3C-2] [Invited] 15:45-16:15

Building Blocks for Atom-Photon Interfaces

Christian Kurtsiefer (Nat'l Univ. of Singapore, Singapore)

[Mo3C-3] 16:15-16:30

Third-Order Exceptional Point in an Ion-Cavity System

Jinuk Kim (KRISS, Korea), Taegyung Ha, Donggeon Kim, Dowon Lee, Ki-Se Lee, Jongcheol Won, Youngil Moon, and Moonjoo Lee (POSTECH, Korea)

[Mo3C-4] 16:30-16:45

Experimental Implementation of Single-shot Joint Parity Measurement for Quantum State Tomography of Phonon Modes of a Trapped Ion

Honggi Jeon, Jiyong Kang, Jaeun Kim, Wonhyeong Choi, Kyunghye Kim, Jaehun You, and Taehyun Kim (Seoul Nat'l Univ., Korea)