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Surface-electrode ion traps for QCCD architectures

Monday, 25 September 2023 19:30 (2 hours)

We summarize Quantinuum's progress in research and development of surface-electrode ion traps for QCCD quantum computing architectures. This includes additional information about the racetrack trap in the commercially available H2 computer as well as design and experimental progress towards 2D ion trap grids planned for next-generation commercial computers.

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