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> Abstract for an Invited Paper for the NWS19 Meeting of the American Physical Society

Quantum information processing with trapped atomic ions

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Research on precise control of quantum systems occurs in many laboratories, for fundamental research, precise standards, new measurement techniques, and more recently for Quantum Information Processing (QIP). I will briefly describe efforts to use trapped atomic ions for QIP; this is just one possible physical platform among several that are intensely studied around the world.