Los Alamos National Laboratory
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Materials Physics & Applications- Quantum

Date: September 8, 2025
Symbol: FCI-25-085

New Mexico Economic Development Department
Joseph M. Montoya Building
1100 South St. Francis Drive
Santa Fe, NM 87505

RE: Potential Collaboration on Quantum Communication Innovation Hub

To Whom it May Concern,

On behalf of Los Alamos National Laboratory, I am writing to express our support for Central New Mexico Community College's (CNM's) proposal to develop a quantum communication node via an Innovation Hub grant.

LANL has unique scientific and technical capabilities in quantum information science, including areas such as quantum cryptography, quantum networking, quantum sensing, and quantum algorithms. The initiative described in CNM's proposal to the New Mexico Economic Development Department aligns thematically with areas of scientific and technical interest at LANL and reflects shared goals related to the advancement of quantum technology infrastructure, workforce development, and strengthening our nation's economic base.

We see that CNM's proposal to install a quantum networking node on the CNM campus aligns with efforts across the region to build a more integrated quantum innovation ecosystem. These aspects may be relevant to broader discussions of how regional institutions, including national laboratories, universities, and industry, engage in complementary activities in support of New Mexico's science and technology objectives and are aligned with LANL's commitment to regional economic development.

Any future discussions of potential engagement or collaboration with LANL regarding this initiative would occur in accordance with the Laboratory's obligations as a Federally Funded Research and Development Center (FFRDC) operated by Triad National Security, LLC for the U.S. Department of Energy's National Nuclear Security Administration, and would be subject to all applicable reviews, priorities, and approvals.

LANL recognizes the importance of efforts to build infrastructure and talent pipelines that support advanced technology development in New Mexico and acknowledges the alignment of the proposed initiative with regional innovation goals. LANL will continue to engage with CNM to provide subject matter expertise and contribute to curriculum development. We look forward to working with the next generation of quantum scientists, engineers, and technologists.

Sincerely,

James Michael Zahler
Digitally signed by James Michael Zahler
Date: 2025.09.08 11:50:59 -06'00'

James Zahler, PhD
Director, Feynman Center for Innovation

Los Alamos National Laboratory