MONTHLY REPORT

25.12-26.01 University of Science and Technology of China

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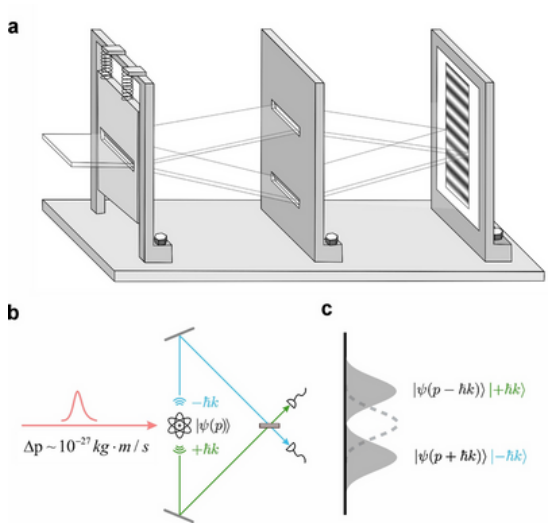
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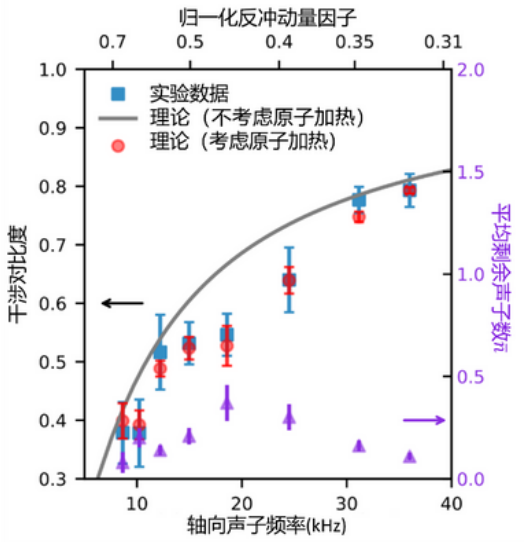
RESEARCH

Dec. 3

READ MORE

USTC has used a single atom to realize a thought experiment on a recoil slit, ending the century-old debate between Einstein and Bohr





A research team led by Professors Pan Jianwei, Lu Chaoyang, and Chen Mingcheng from the University of Science and Technology of China (USTC) has achieved a landmark experimental realization of the Einstein–Bohr "recoiling slit" quantum interference thought experiment, originally proposed during their historic debate in 1927.

Using single atoms prepared in their quantum ground state and confined by optical tweezers, the team faithfully implemented the thought experiment for the first time. The researchers observed a gradual evolution of interference contrast with tunable atomic momentum, providing direct experimental evidence for the principle of complementarity at the Heisenberg limit and revealing a continuous transition from quantum to classical behavior.

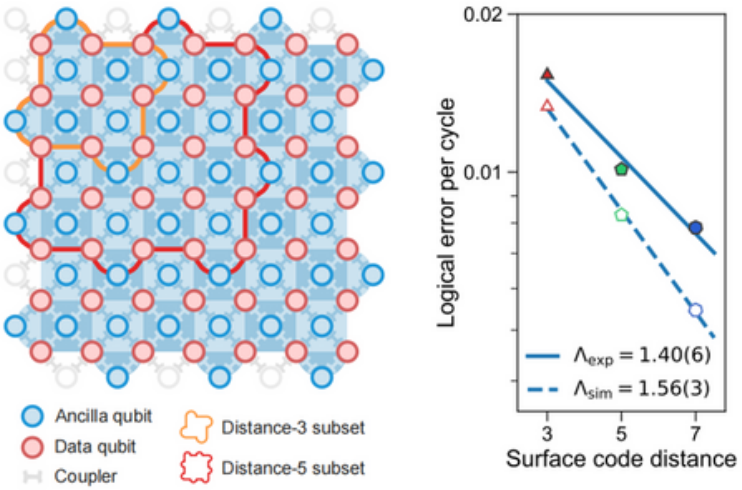
The results were published on December 3, 2025, as an Editors' Suggestion in the international journal ***Physical Review Letters***. The work also received prominent coverage by the ***American Physical Society***, which featured the study in its Physics magazine under the title "Einstein's Slit with a Single Atom."

RESEARCH

Dec. 22

READ MORE

USTC Reaches a Key Milestone in Quantum Error Correction



A research team from the University of Science and Technology of China (USTC), led by Professors Pan Jianwei, Zhu Xiaobo, Peng Chengzhi, and Associate Professor Chen Fusheng, has achieved a critical milestone in the field of quantum error correction. Using the superconducting quantum processor "Zuchongzhi 3.2," the team successfully realized quantum error correction below the error-correction threshold on a surface code with a code distance of 7.

The experiment demonstrated that the logical error rate decreases significantly as the code distance increases, providing clear experimental evidence for the long-sought regime of "below-threshold operation," in which error correction becomes increasingly effective with larger code sizes. This achievement marks a decisive step toward practical fault-tolerant quantum computing.

In addition, the work pioneers a highly efficient all-microwave control approach, offering a more resource-efficient and scalable technical pathway compared with that pursued by Google in the United States. This new approach lays a crucial technological foundation for the future realization of large-scale fault-tolerant quantum computation.

The research results were published on December 22 as a cover article and an Editors' Suggestion in the internationally renowned physics journal ***Physical Review Letters***.

NEWS

Dec.28 READ MORE

The Butterfly Lovers

On December 28, 2025, the English drama The Butterfly Lovers (Liang Shanbo and Zhu Yingtai), jointly organized by the USTC Library and the International College, was successfully performed at the East Campus Grand Auditorium. The production brought together Chinese and international students and faculty, reimagining one of China’s most beloved legends through an English-language performance that blended traditional aesthetics with contemporary stagecraft. More than 2,300 audience members joined the event both on site and online.







NEWS

Dec.30 READ MORE

2025 New Year Gala

On the evening of December 30, 2025, the 2025 International Students' New Year Gala, organized by the International College of University of Science and Technology of China (USTC), was warmly held at the H2O Auditorium, East Campus. International students from around the world gathered to bid farewell to the old year and welcome the new one in an atmosphere filled with music, laughter, and friendship.



NEWS

Dec.31

READ MORE

The First USTC International Student Academic Poster Exhibition

To promote academic exchange among international students and showcase their research achievements, the First International Student Academic Poster Exhibition of the University of Science and Technology of China (USTC), organized by the Department of Academic Affairs of the Foreign Students Association and strongly supported by the International College, recently concluded all evaluation procedures. The offline exhibition and award ceremony were successfully held on the morning of December 31, 2025 in the International Building, marking the successful conclusion of the event.







ALUMNI

PHAM THI THANH NGAN

SL23204019

School of Management

VIETNAM





Under the same sky, we say goodbye to yesterday, and hello to forever.

ALUMNI

My USTC Journey: From Hanoi's Warmth to Hefei’ s Snow



Magical first snow with lovely classmates after exam

When I first arrived at USTC in 2023, everything felt unfamiliar: new faces, a new language, and an entirely new routine. I came from Hanoi, where winters are cool but never cold enough for snow. So you can imagine my amazement when, one early December morning, I opened my dorm window and saw Hefei blanketed in white. I rushed outside without my gloves, eager to feel the snow in my hands. It was painfully cold — but utterly magical.

That winter was one of the most unforgettable parts of my USTC experience!

While the snow was beautiful, winter also brought its challenges. I missed home more than I had expected — Vietnamese food, my family’ s warm conversations over dinner, even the familiar noise of Hanoi’ s streets. Some nights, the silence outside, softened by falling snow, made me feel lonelier than ever before.

Yet in its own quiet way, USTC reminded me that I was not alone.

My classmates — both Chinese and international — became my family in Hefei. We cooked hotpot together in the dormitory kitchen, studied for exams in cozy corners of the library, and even built a hilariously misshapen snowman outside the Management Building. Su, a friend from Myanmar, cooked her country's traditional fried rice, while Zhao, a classmate from Shandong Province, taught us how to say "too cold" in different Chinese dialects. That winter, despite the homesickness, I laughed more than I ever thought I would.

Academically, winter was intense as well. Project deadlines, group presentations, and research work filled our days. But the pressure felt lighter when shared. My groupmates helped me understand complex business models and encouraged me when my Chinese wasn't perfect. One night in late January, just before the Spring Festival break, after finishing a long exam session for Data Model & Decision Making, someone suggested we go outside. Snow was falling gently, and the campus glowed softly under the lights. We walked in silence, and for a moment, everything felt still — and full of possibility.

That's what USTC gave me: possibility!

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Over these two years, I have grown not only as a student but as a person. I have learned to think critically, communicate across cultures, and adapt to unfamiliar environments. My Chinese improved not just in the classroom, but through daily life — buying groceries, chatting with teachers, and joining Chinese Corner activities. Once, during the Dragon Boat Festival, a campus auntie even taught me how to say "wear more clothes" in the Anhui dialect.

As I prepare to graduate in 2025 with a master's degree in business administration, I carry more than academic knowledge. I carry memories of snowflakes and warm soup, of shared struggles and shared successes. I carry friendships that will last long after we leave Hefei.



To future international students, my message is simple: it's okay to feel cold and homesick.

Just don't forget to look around — USTC will surprise you with warmth in the most unexpected places.

Once USTCer, always USTCer!

ALUMNI





















Memories in USTC











SHARE YOUR STORY!

WHAT YOU CAN SHARE

including but not limited to

- CAREER & RESEARCH
- LIFE AFTER USTC
- ENTREPRENEURIAL VENTURES
- CROSS-CULTURAL EXPERIENCES
- MEMORABLE USTC MOMENTS

FORMATS

- ARTICLES OR ESSAYS
- PHOTO STORIES
- SHORT VIDEOS
- INTERVIEWS

SUBMIT NOW!

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