

SciArtDialogueWeek 2025: Where Quantum Physics Meets Creative Imagination

In 2015, the world celebrated 100 years of Albert Einstein's general theory of relativity — a revolutionary idea that reshaped how we understand space, time and gravity. A decade later, the centenary of Werner Heisenberg's groundbreaking work on quantum mechanics marked another milestone in humanity's quest to grasp the invisible foundations of reality.

But these anniversaries are not just scientific commemorations. They are reminders that bold, sometimes counter-intuitive ideas can transform not only science, but also culture, creativity and the way we see the world. Inspired by this legacy, the SciArtDialogueWeek 2025 brought together young artists, musicians and scientists for an extraordinary interdisciplinary encounter at CERN — the European Organization for Nuclear Research, home of the Large Hadron Collider.

Organized by KCETA in collaboration with KIT-ETP and art@CMS/ORIGIN, the week was hosted at IDEASquare, CERN's interdisciplinary science and technology hub. At its core stood quantum theory — still abstract and often mysterious even after a century — as the starting point for dialogue between art and science.

A Journey into the Heart of Research

In February 2025, students and faculty from the State Academy of Fine Arts Karlsruhe and the Institute for Music Informatics and Musicology at the Karlsruhe University of Music traveled to CERN. There, they explored scientific experiments, architectural spaces, acoustic environments, and the social dynamics of a global research institution. Participants described moments of "culture clash" — where artistic intuition meets scientific precision — but also moments of deep resonance. Field recordings captured the unique soundscape of CERN's tunnels and laboratories. Visual impressions of experimental installations became seeds for new artistic reflection.

From Encounter to Ongoing Dialogue

What began as an excursion quickly evolved into something more lasting. Back in Karlsruhe, the experience led to the creation of the "**Fusion: Forum für Kunst und Wissenschaft**" series, launched in October 2025. The forum offers screenings, listening sessions, readings and discussions that continue the exchange initiated at CERN. At the inaugural event, Dr. Fabian Goppelsröder presented his project "*Ideology of Feedback*," followed by a listening session featuring CERN field recordings and original audio works by music informatics students.

One of the most meaningful outcomes was the strengthened collaboration between the participating institutions. KIT and the Karlsruhe Kunstakademie and Musikhochschule have since developed an ongoing dialogue, reflecting together on the broader question: What happens when art and science truly meet?