

# Cultural Collisions, a cross disciplinary science education format

*Friday 31 July 2020 10:10 (20 minutes)*

“Cultural Collisions” is a cross-disciplinary science and art engagement and networking program with special emphasis on educational methodologies. It is designed to trigger curiosity, creativity, and foster critical thinking in school students to help them overcome the scientific and technological challenges of the 21st century. The Cultural Collisions format has been implemented and tested in several European countries - Austria, Germany, Switzerland, Montenegro and recently in Czech Republic. During ICHEP2020 the final student artworks of Cultural Collisions Czech will be presented. Furthermore, it was the key component of a research project sponsored by the Ontario Ministry of Education, Canada, which assessed the educational impact on participating students. In the presentation, cross-disciplinary methodologies will be discussed as well as results will be presented. The evaluation is showing that the programme has demonstrated its capacity to increase motivation and interest in science via creative science engagement and increased the educational outcome. The format was developed and evaluated within the EU funded project CREATIONS, the CMS experiment at CERN and during recent years by the ORIGIN collaboration. ORIGIN is a cooperation of scientific collaborations working on the secrets of the origin of the universe via particle physics, gravitational waves, neutrino physics, cosmology or astrophysics supporting interdisciplinary science engagement.

## Secondary track (number)

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