



16 September 2024

For immediate release

A Day of Playing the Angles with CERN Data

Students at schools in towns and cities across the globe are part of World Wide Data Day.

One big day: 14 November 2024.

One big particle accelerator: Large Hadron Collider at CERN in Geneva, Switzerland.

High schools around the world.

Actual proton collisions in two giant particle detectors.

These are the ingredients of the data analysis and videoconferences of World Wide Data Day 2024. Students will search for particles called muons that result from proton collisions and measure angles at which they careen from the collision point. All the results will be pooled worldwide to understand the massive detectors used and probe the nature of those collisions. Students who are part of the investigation will join videoconferences with physicists to discuss what they have learned. World Wide Data Day 2024 is an activity of International Masterclasses, QuarkNet, and the International Particle Physics Outreach Group that helps to bring particle physics to high school students and teachers through authentic data investigations.

Web links:

World Wide Data Day, <https://quarknet.org/content/world-wide-data-day>

International Masterclasses, <http://www.physicsmasterclasses.org>

QuarkNet, <https://quarknet.org>

International Particle Physics Outreach Group, <http://ippog.org/>

Contacts:

Kenneth Cecire (Coordinator), kcecire@nd.edu