



8 November 2018

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: 15 November 2018. One big particle accelerator: Large Hadron Collider at CERN in Geneva, Switzerland. Eighty high schools around the world. Thousands of protons colliding. These are the ingredients of the data analysis and videoconferences of World Wide Data Day 2018.

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 probe the nature of proton collisions and reveal something about what is inside a proton. Students who are part of the investigation will join videoconferences with their peers and physicists to discuss what they have learned.

World Wide Data Day 2018 is an activity of International Masterclasses, QuarkNet, and the International Particle Physics Outreach Group, helping to bring particle physics to high school students and teachers through authentic data investigations.

Web links:

World Wide Data Day, <https://quarknet.org/content/lhc-world-wide-data-day-2018>

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

QuarkNet, <https://quarknet.org>

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

[local website]

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