

Particle Collisions for Students and Teachers

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Abstract. *Particle collisions, using the world's largest physics experiments, makes it possible for students and teachers to get close to the forefront of scientific research. The ground breaking results that are possible from these giant, international collaborations of physicists, can amaze, inspire and interest both students and teachers. Education projects like Hands on CERN has become the model for how to use real particle collisions at the Large Electron Positron collider at the CERN particle physics laboratory for education purpose. With the recent start of the Large Hadron Collider at CERN, particle collisions at the largest energy ever created in a laboratory will primarily be used in basic research to explore the mysteries of energy and matter, but will also be used in innovative education projects making it possible for students and teachers to explore the particle collisions registered in the ATLAS experiment.*

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