

THE ATLAS EXPERIMENT

What are the fundamental constituents of the universe and how do they interact? ATLAS is one of the LHC's two multipurpose experiments hunting for clues to many unsolved mysteries. Be it understanding more about the newly discovered Higgs boson, or looking for new particles that might make up dark matter, ATLAS has been designed to be versatile. This is the largest particle physics experiment ever constructed: 25m tall, 45m long and weighing 7000 tons. 100 million data channels register the passage of particles spraying out from collisions in the centre of the experiment up to 600 million times a second. Over 3000 scientists and engineers from 38 countries across the world are working for ATLAS, including about 1000 graduate students.