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Prof. Dr. Albert De Roeck is a senior research scientist and staff member of the largest particle physics laboratory in the world, CERN, located near Geneva, Switzerland. CERN is the home of the new particle accelerator: the Large Hadron Collider (LHC). De Roeck is also a professor at the University of Antwerp (Belgium) and a visiting professor at the Institute of Particle Physics and Phenomenology in Durham (UK) and University of California Davis. He obtained his PhD at the University of Antwerp on an experiment at CERN, studying the multi-particle dynamics in hadron-hadron interactions, by colliding meson beams on protons and nuclear targets. After his PhD, De Roeck spent 10 years at the German particle physics laboratory, DESY, where he and his team made very precise measurements of the quark and gluon structure of the proton, and performed precise tests of the strong force. At the end of the 90's his interest turned to the possibility to discover new physics at future particle colliders, in particular Supersymmetry and Extra Dimensions, and he returned to CERN. He first joined an experiment at the large electron-positron collider LEP, studying the strong force and searching for signals of new physics. During the last ten years, he played a significant role in the preparation of one of the experiments at the LHC: the Compact Muon Solenoid (CMS). De Roeck is one of the leaders in the CMS physics program and actively involved in physics analyses. De Roeck was also the deputy spokesperson of the experiment in 2010 and 2011, and presently he is the convener of the Higgs search physics group, and had a leading role in the discovery of that particle in July 2012 in the CMS experiment.

He regularly gives seminars and lectures all over the world on the physics potential and results of the LHC project, and appears regularly in Television or Radio programs. In 2010 Prof. De Roeck got a doctor honoris causa degree from the University of Helsinki, Finland. Co-author of more than 900 scientific papers, as an experimentalist he also has also been collaborating closely with leading theorists of the field.

