## DISCOVERY AND MEASUREMENT OF HIGGS BOSON

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The lecture starts with answering the question of "How many stars there are in the universe?" with a comparison to the number of sand grains on Earth. Then we answer the questions of "How big are stars?", "How are they born?" and "How do they die?". After that we will explain what the nature of particles and antiparticles is, what fundamental forces in the nature there are, and how much energy each one of us contains. Through this, the audience will realize they are unique, energetic, explosive and even radiant.

In the second part of the lecture we will talk about the discovery of the Higgs boson in CERN and how it can help us unveil the secrets of the universe. The discovery will be told through a personal story of a 20-year-long participation in a group of 300 scientists from all over the world who discovered, measured and analyzed the Higgs boson.