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Physics

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Particle Physics : Journey from the very small to very large!

Thursday, June 9, 2022 3:00 PM (2 hours)

In this talk I want to summarise the current status of the subject of particle physics. Beginning from the discovery of the electron, the physicists have relentlessly pursued the journey towards understanding what lies at the heart of matter. They have through the centuries probed constituents of matter at smaller and smaller distance scales and how they are held together. This journey came to a spectacular stop in the discovery of the Higgs at the large hadron collider. It seems that the next steps in this journey need to be taken by exploring physics of the very small and the very large scales. I want to give a flavour of the current engagement of particle physicists in this effort.

Presenter: ROHINI GODBOLE (Indian Institute of Science)