

DEI Schools Engage with World-Class CERN Scientist in Inspirational Virtual Session (Friday, 25 April 2025)

The students from five schools affiliated with the Dayalbagh Educational Institute (DEI) had the unique opportunity to participate in an interactive session with Dr. Archana Sharma, a globally renowned physicist and Principal Scientist at CERN, Geneva, on Friday, 25 April 2025. Dr. Sharma also serves as the Senior Advisor for Relations with International Organisations at CERN, where she plays a vital role in fostering global scientific alliances aligned with the United Nations Sustainable Development Goals.

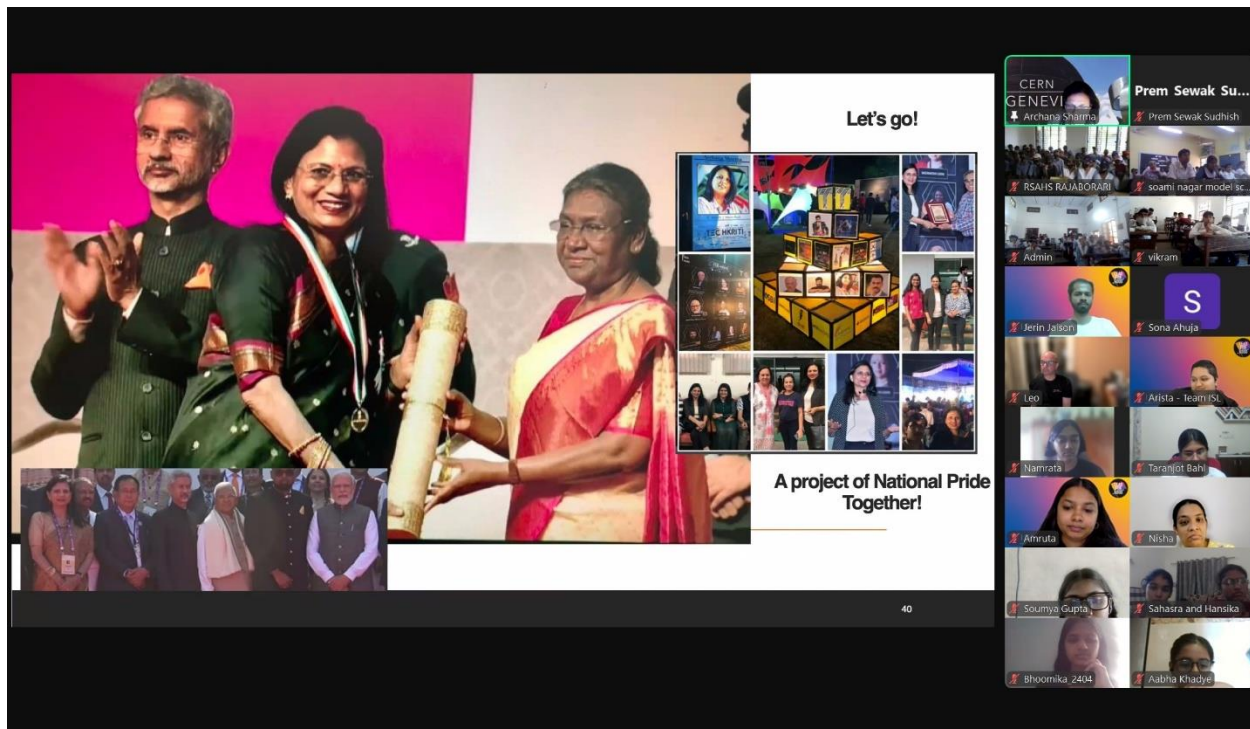
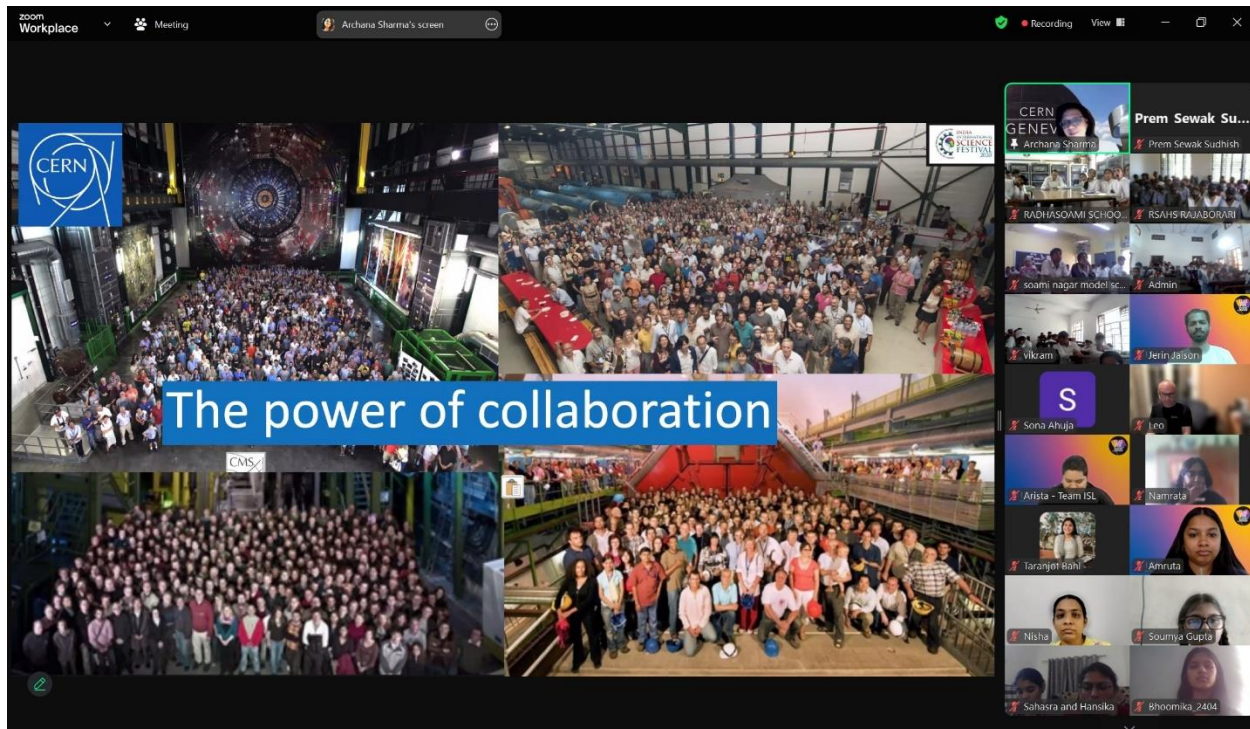
The participating schools included Radhasoami Adivasi Higher Secondary School, Rajaborari; Radhasoami High School (Higher Secondary), Timarni; Soami Nagar Model School, New Delhi; DEI Prem Vidyalaya Girls' Intermediate College, Dayalbagh; and REI Intermediate College, Dayalbagh. These institutions form part of DEI's overarching mission to provide inclusive, values-oriented education that blends academic rigor with practical relevance. Students from ISL Adira Academy, a virtual micro high school for gifted girls from underrepresented communities, also joined the session.

Dr. Sharma, recipient of the prestigious Pravasi Bharatiya Samman, the highest civilian honor conferred by the Government of India upon overseas Indians, shared her remarkable scientific journey and her pioneering work at the cutting edge of particle physics. As one of the principal contributors to the discovery of the Higgs Boson, popularly known as the "God Particle", her insights reflected deep engagement with some of the most transformative discoveries in modern science. With eloquence and empathy, she connected some of the universe's most profound mysteries, from the origins of life and the cosmos to revolutionary breakthroughs in medical research, including cancer diagnostics and treatment, with the everyday relevance of science and technology. She expressed genuine appreciation for the thoughtful questions and perceptive observations raised by the DEI school students, praising their intellectual curiosity and maturity.

The session left a lasting impression, especially on students from rural and underserved regions, who benefit greatly from such direct engagements with eminent global scientists, an experience DEI consistently strives to facilitate. Dr. Sharma's ability to connect with young minds and speak to their ambitions turned the session into more than just a presentation; it became a powerful invitation to pursue knowledge, embrace service, and envision science as a force for meaningful change.

This memorable interaction underscores DEI's enduring commitment to value-based, inclusive education and its aspiration to nurture globally conscious leaders. The Institute

continues to champion purposeful international collaborations that empower the next generation of changemakers through knowledge, innovation, and collective impact.



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CERN

The Layers of CMS: HCAL

Layers of dense material (brass or steel) interleaved with plastic scintillators or quartz fibres allow the determination of the energy of hadrons, that is, particles such as protons, neutrons, pions and kaons.



Grid of participant video feeds:

- vikram
- AnsRi
- Sanjita_2409
- CERN GENEVE
- Archana Sharma
- Prem Sewak Su...
- Prem Sewak Sudhish
- RSAS RAJABORARI
- soami nagar model sc...
- Jerin Jaison
- Sona Ahuja
- Leo
- Arista - Team ISL
- Namrata
- Tarajoti Bahl
- Amruta
- Nisha
- Soumya Gupta
- Sahsra and Hansika
- Aashika Khadke