

Engaging Young Minds with Particle Physics

Thursday 18 July 2024 15:15 (15 minutes)

We use particle physics as a prime example to engage young students to get involved in this subject area and gain a new, everyday perspective on STEM topics. Our strategy is designed to demystify physics, making it more accessible and attractive early in school.

In Germany, students usually decide whether or not to continue physics education around the age of 15. That's why our project is aimed specifically at students aged 10 to 15 to give them a real insight into particle physics research. Our efforts have focused on creating educational and engaging workshops for young learners. We have reached over 620 students across these age groups through more than 25 interventions in the last two years. The initial results are promising, indicating that our efforts are successfully igniting a motivation for physics, especially among girls. We aim to inspire the next generation of (particle) physicists. In this talk, we will present our workshops, the methodologies we use and initial data.

Alternate track

I read the instructions above

Yes

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