Designing learning material for teaching particle physics with Feynman diagrams

Tuesday 5 July 2022 13:30 (20 minutes)

This research project aims at developing learning material for teaching particle physics with Feynman diagrams to high school students. We take a design-based research approach to find possible educational uses for Feynman diagrams to be beneficial in the learning about particle physics. We incorporate these uses into the learning material with design principles derived from multimedia learning theories and test the material in teaching experiments with high school students. At the conference we present the educational uses as well as an approach on how to implement them.

How would you like to present your contribution?

Live in Ljubljana (time slot to be allotted based on the programme)

Target education level (primary)

Upper-secondary education

Target education level (secondary, optional)

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