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Spreading interest in particle physics among high-school students –What matters?

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Spreading interest in physics among high-school students is crucial for course and career choices. When investigating interest in science, previous studies focused on four aspects: interesting *contents* (e.g. mechanics), *contexts* (e.g. biological), *tasks* (e.g. conduct an experiment), and *learning environments* (e.g. Science Centre). Overall, researchers agree that when trying to arouse interest, context matters the most. However, it is not clear yet how the familiarity of a context affects the arousal and development of interest. Furthermore, previous studies did not include modern physics contents such as particle physics.
In the framework of a PhD project at CERN, a new study will examine which contents and contexts arouse interest in physics among high-school students. Different interest types will be identified while considering clustering variables beyond gender.
This contribution provides an overview of the current state of research.

Secondary track (number)

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