

Topic	Particle physics phenomenology
Topic is suitable for	<ul style="list-style-type: none"> • practical works of bachelor students • graduation thesis of bachelor students • practical works of master students • graduation thesis of master students
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Annotation	Particle physics phenomenology is the field of study between experimental and theoretical particle physics. The main activity is mathematical model building and testing the models against experimental hints of new physical phenomena. Our research group is focused on most up-to-date experimental results from accelerator physics, astrophysics, direct detection and cosmological experiments. Our research group is international and the working language is English, https://hep.kbfi.ee/ .
Expectation for candidate	Interest in particle physics, skills in mathematics (differential equations, possibly field theory), strong self-learning and collaborative working abilities

