

<b>Topic</b>	<b>Astro-particle physics</b>
<b>Topic is suitable for</b>	<ul style="list-style-type: none"> <li>• graduation thesis of bachelor students</li> <li>• practical works of master students</li> <li>• graduation thesis of master students</li> </ul>
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<b>Annotation</b>	<p>Astro-particle is a joint research field between particle physics and astrophysics. The main activity is looking for new hints of new physical phenomena in space and explaining the phenomena in the framework of particle physics. Thus an astro-particle physicist has to handle both particle and astro-physics well and also should have very wide understanding of very different experiments: from optical telescopes to gamma-ray satellite telescopes, from underground dark matter direct detection experiments to gravitational wave telescopes. Our research group is very international and the working language is English, <a href="https://hep.kbfi.ee/">https://hep.kbfi.ee/</a>.</p>
<b>Expectation for candidate</b>	Interest in particle physics and astrophysics, some skills in mathematics (differential equations), data analysis (Python) and statistics, strong self-learning and collaborative working abilities.

