

Dark Tools



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MARTY and DarkPACK: how to compute relic density in user-defined models

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DarkPACK is a new program dedicated to the computation of the dark matter relic density in a user-defined model. Written in C++, DarkPACK is designed to be modular, efficient, and user-friendly. It relies on MARTY to build the model; and it aims to simplify as much as possible the steps from the Lagrangian density to the computation of dark matter observables. In this workshop, we shall show how to build models with MARTY, and then compute the relic density of a given model with DarkPACK, starting from its MARTY file.

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