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Dark forces and new physics at the intensity frontier

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New physics can be relatively strongly coupled and heavy, or it can be light and very weakly coupled to the SM. In the last five years, the interest to the second possibility has increased thanks to the advances in experimental possibilities to search for such particles at the intensity frontier experiments. Often, these new states are helping theorists to construct more viable dark matter models, and as such are often dubbed as “friends of dark matter” or “dark forces”. I will give an overview of some recent developments in this subject, both on experimental and theoretical side.

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