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Dark Matter Overview

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The **complementarity of direct, indirect and collider** searches for dark matter has improved our understanding concerning the properties of the dark matter particle. We will **review the basic concepts** that these methods rely upon and highlight what are the most important information they provide when it comes down to interpret the results in terms of Weakly Interacting Massive Particles (WIMPs). Later, we go over some of the latest results emphasizing the implications to dark matter theory in a broad sense. Lastly, we point out **recent developments and prospects in the field**.

Summary

We will review the basic concepts that direct, indirect and collider dark matter searches rely upon. We then comment on the latest results and implications to dark matter theory in a broad sense. Lastly we discuss recent developments and prospects in the field.

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Classification de Session: DM & Cosmology

Classification de thématique: Experiment