

Overview of the Current Status of Direct Dark Matter Detection

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The direct dark matter detection field is entering an intriguing period where tonne-scale high-mass-WIMP-search detector systems are coming on-line, along with new systems focussed on low-mass-WIMP and spin-dependent-interaction searches. These detector systems open up new parameter space for detection of dark matter, with the projected sensitivities of subsequent generation detectors approaching those required to observe coherent neutrino scattering. This talk will overview the current status of the direct detection field, outlining current techniques and sensitivities, and survey the future potential of the field.

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