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# What's up with dark matter? - Direct dark matter searches

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The dark matter problem has accompanied cosmologist and particle physicist for more than 80 years. Nowadays we have an extremely accurate model of our Universe, but still most of its content eludes our observation. The observation of this missing matter is of compelling necessity for our understanding. Direct searches aim to detect dark matter particles with Earth-bound detectors. A review of the most sensitive technologies and of recent results is given together with a glance into the perspectives.