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Recent results of the CoGeNT Dark Matter experiment

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The CoGeNT experiment is searching for Dark Matter using a p-type point-contact germanium detector deployed underground in the Soudan Underground Laboratory in Soudan, Minnesota, USA. The low-capacitance of the detector yields exceptionally low electronic noise and sub-keV thresholds, making it an excellent technology choice to search for a low-energy Dark Matter signal. Recent results from data spanning 15 months indicate a modulation in the low-energy spectrum consistent with an annual period and with a significance of 2.8\sigma. These results and related analyses will be discussed, including recent analyses and simulations aiming to investigate possible backgrounds contributing to the modulation.

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