The 29th International Workshop on Weak Interactions and Neutrinos



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Recent results from the Belle II experiment

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The Belle II experiment at the SuperKEKB asymmetric-energy electron-positron collider has been collecting the world's highest-intensity collisions at the $\Upsilon(4S)$ since 2019. A data set comparable in size to that of predecessor experiments, and collected with the new detector, enables unique or world-leading results. Examples include indirect searches for non-standard-model physics in the weak interactions of quarks, determinations of fundamental standard-model parameters, and direct searches for low-mass dark matter. This talk presents a selection of recent results and briefly discusses future perspectives.

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