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Type: **Non spécifié**

BSM CP violation searches at Belle II

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Up to now, the Belle II experiment has collected about the same amount of data as BaBar and the plan is to collect 50 times more. New physics can affect the phase of the amplitudes and consequently the measured CP violation parameters. There are two main complementary approaches: overconstraining the SM parameters in the precision measurements of the high-statistics tree-level B decays or searching for the deviations in the rare B decays where BSM effects are expected to be more pronounced. Compared to the hadron-hadron experiments, Belle II benefits from clean event topology which is essential for B decays including neutral particles.

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