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Flavour physics with electroweak-penguin and semileptonic decays at Belle II

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In the recent years, several measurements of B-decays with flavor changing neutral currents, i.e. $b \rightarrow s$ transitions hint at deviations from the Standard Model (SM) predictions. In addition there are discrepancies with the SM predictions in $b \rightarrow c\tau\nu$ decays. The Belle II experiment is a substantial upgrade of the Belle detector and operates at the SuperKEKB energy-asymmetric e^+e^- collider. The present status of measurements at Belle II related to these so called B anomalies will be presented, including a novel search for the $B \rightarrow K\nu\bar{\nu}$, $b \rightarrow s$ transition.

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