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Towards measurements of CKM parameters with loops and trees at LHCb

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Elements of the Cabibbo-Kobayashi-Maskawa (CKM) matrix are accessible through a variety of processes.

The Decay $B^{+l} \rightarrow D_s^+ \phi$ is an annihilation diagram at tree level, which is sensitive to V_{ub} .

While, contributions from the matrix element V_{ts} are present in the loop level decays $B^+ \rightarrow K^+ \pi^+ \pi^- \mu^+ \mu^-$ and

$B^+ \rightarrow \phi K^+ \mu^+ \mu^-$.

Results from LHCb for all these decays are presented.

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