

# Decoding Leptonic and Semileptonic B Decays

*Tuesday, 8 May 2018 11:15 (1 hour)*

We present a new strategy to explore New Physics contributions to leptonic and semileptonic B decays. With this method we can give constraints to the Wilson coefficients of the usual model-independent low-energy effective Hamiltonian; general considerations on selected models are presented, too. We devote particular attention to the effect of possible CP-violating phases in the short-distance coefficients, and assess the impact of New Physics for the determination of the CKM matrix element  $|V_{ub}|$ . This strategy can also be implemented for  $B_c$  decays.

## Teaser (will appear on the printed program)

We present a new strategy to explore New Physics contributions to leptonic and semileptonic B decays, focusing our attention to possible new CP-violating phases

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