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## Update on Semileptonic Decays via Lattice QCD

*Tuesday, 30 July 2019 17:00 (20 minutes)*

This talk will report recent results from ongoing lattice-QCD calculations of semileptonic decays from the Fermilab Lattice and MILC collaborations. The focus of the talk will be on heavy-to-light decays ( $D/B$  to  $K/\pi$ ). These calculations play an essential role in determining CKM matrix elements (in particular,  $|V_{us}|$ ,  $|V_{cd}|$ , and  $|V_{ub}|$ ). They are also important for constraining flavor-changing-neutral-current processes that are currently in tension with the Standard Model.

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**Session Classification:** Quark & Lepton Flavor

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