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D-to- π semileptonic decays with highly improved staggered quarks

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This talk will report recent results from ongoing calculations of the $D \rightarrow \pi$ semileptonic decay by the Fermilab lattice and MILC collaborations. Our calculation employs the HISQ action for both sea and valence quarks and includes several ensembles with physical-mass up, down, strange, and charm quarks and lattice spacings ranging from 0.15 fm down to 0.06 fm. At each lattice spacing, an ensemble with physical-mass light quarks is included. We present preliminary results for the scalar form factor f_0 .

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