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Semi-leptonic B decays with charming final state

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First results for our calculation of semi-leptonic B decays with charmed-mesons in the final state are presented. Our work is based on RBC-UKQCD's 2+1 flavor domain-wall fermion and Iwasaki gauge field configurations. We calculate the form factors by simulating the b quarks using the relativistic heavy quark action, create light u/d and s quarks with standard domain-wall kernel, and use optimised Möbius domain-wall fermions for charm quarks.

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