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Progress in Lattice calculations for the Boer-Mulders function of the pion

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We focus on the Boer-Mulders function of the pion and for now use the CLS ensemble X650 ($a = 0.098$ fm, $m_\pi = 338$ MeV) to study this quantity. Here, preliminary results of the ongoing work are shown, including extractions of the bare matrix elements and the rectangular Wilson loop. A main goal of the current work is to determine the largest momentum P^z at which we still see a sufficient signal.

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