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# Double Parton Distributions for the Pion on the Lattice

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Double parton distributions (DPDs) are an important piece in the description of double hard interactions. On the lattice we calculate correlation functions of two local quark currents, which can be related to Mellin moments of DPDs. For the first moment we calculate all contributing Wick contractions for the pion, considering several channels corresponding to the quark polarization. Furthermore, we test to what extend a factorization into a convolution of generalized parton distributions (GPDs) is valid.

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