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Computing the nucleon sigma terms at the physical point

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The nucleon sigma terms are quantities that play a crucial role in phenomenology: among others, they connect the pion-nucleon and the kaon-nucleon amplitudes to the hadron spectrum and they are also relevant for the direct detection of Dark Matter (DM).

We present preliminary results for these sigma terms obtained from $N_f=2+1$ lattice simulations that are performed at five lattice spacings and for pion masses all the way down to its physical value.

(Christian Torrero for the Budapest-Marseille-Wuppertal (BMW) collaboration)

Primary author: Dr TORRERO, Christian (Centre de Physique Théorique (CPT), Aix-Marseille Université)

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