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Lattice computation of the nucleon sigma terms

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Besides connecting the pion-nucleon and the kaon-nucleon amplitudes to the hadron spectrum, nucleon sigma terms play an important role in the direct detection of Dark Matter. A lattice computation will be outlined, preliminary results for the up-down and strange sigma terms will be presented and strategies to improve on their precision will be illustrated.

Auteur principal: Dr TORRERO, Christian (Centre de Physique Théorique (Université d'Aix-Marseille))

Orateur: Dr TORRERO, Christian (Centre de Physique Théorique (Université d'Aix-Marseille))

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