

A Fixed-Target Program at the LHC: where do we stand ?

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This talk will review the physics opportunities which are offered by a next generation and multi-purpose fixed-target program exploiting the LHC beams in order to study pp, pd and pA collisions at ~ 115 GeV as well as Pbp and PbA collisions at ~ 72 GeV. These opportunities span spin, heavy-ion, nucleon-structure and astroparticle physics. The possible implementations will be also discussed.

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