



Dipartimento di Fisica
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HIGH ENERGY PHYSICS COLLOQUIA

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OPEN HEAVY-QUARK HADROPRODUCTION FROM COLLIDER TO ASTROPARTICLE PHYSICS

Abstract

Charm and bottom quarks are abundantly produced at modern high-energy accelerators, giving rise to heavy-flavoured hadrons and jets which are detected by the experiments. I will discuss the present status of the theory, what we can learn by comparing theory predictions to open heavy-flavour production processes, and open issues on which it would be worth focusing future research efforts, also in view of interesting applications in high-energy astroparticle physics.

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