

Flavor and top physics @ 100 TeV workshop

A 100 TeV collider will have the ability to probe directly our microscopic nature at distances well beyond that of the LHC or any other known experiment. It would thus become the most powerful microscope ever built. Furthermore, such a machine would be potentially capable of producing more than 10^{11} tops and an order of magnitude more bottom and charm quarks than the LHC. Thus, it would allow for an exploration of the complementary weakly coupled regime with unprecedented accuracy. This fantastic large number of heavy flavor object in principle might lead to qualitatively new ways of looking for non-Standard Model physics, in a way that complement known existing experimental strategies as well as the searches at the boundary of the energy frontier. We therefore propose to organise a 4-day focused workshop during March 4 - 7, 2015 at the IHEP that would bring world experts, in both theory and experiment, to discuss top and flavor physics at a 100 TeV future facility.

The registration fee is 900 RMB, exclusive of board and lodging. Only cash paid could be accepted on site.

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