

Séminaire de physique des particules et de cosmologie

Mardi 03/12/2019, 16:00

Orme des Merisiers Salle Claude Itzykson, Bât. 774

The H-Parameter: An Oblique Higgs View

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I will discuss some theoretical and phenomenological aspects of the off-shell Higgs physics based on 1903.07725. The question “How does the Higgs boson propagate?” is framed in the context of Universal effective field theories. The Higgs boson oblique parameter H is introduced; consistency conditions stemming from Kallen-Lehmann representation are derived; examples of UV completions are provided. Finally, the four-top production is advertised as an effective high-energy probe of off-shell Higgs behaviour.
