

HECA Seminar

(High Energy, Cosmology and Astro-particle physics)

[HECA web-page](#)

Tuesday 30.03.2021, h 11:15

join at

<https://meet.google.com/cgk-onvf-iuk>

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The Flavor of UV Physics

Abstract

New physics not far above the TeV scale should leave a pattern of virtual effects in observables at lower energies. What do these effects tell us about the structure of a UV theory? We will address this question by considering the Standard Model as an Effective Field Theory, which allows us to relate physics at different energy scales through the renormalization group. I will show how to deduce possible features of a UV theory by combining top-quark observables at the LHC with bottom observables at the flavor factories.

Best regards,

Andrzej Hryczuk
Kamila Kowalska
Kazuki Sakurai
Enrico Maria Sessolo
Krzysztof Turzyński