Contribution ID: **19**   Type: **not specified**

Geometry in Feynman integrals

Monday, 7 October 2024 11:35 (25 minutes)

Solving Feynman integral is essential for precision physics at colliders and lately also for gravitational waves predictions. When attempting to do so, at high orders in perturbation theory interesting structures appear. In this talk, I give an introduction on how geometrical information about such structures helps us solve these integrals. To show this, I provide examples of integrals with an underlying elliptic curve and Calabi-Yau manifold.

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Session Classification: Short talks