Contribution ID: **71**   Type: **Oral**

Four-point function in general kinematics through geometrical splitting and reduction

Tuesday 22 August 2017 14:00 (20 minutes)

It is shown how the geometrical splitting of N-point Feynman diagrams can be used to simplify the parametric integrals and reduce the number of variables in the occurring functions. As an example, a calculation of the dimensionally-regulated one-loop four-point function in general kinematics is presented.

Author: DAVYDYCHEV, Andrei (Moscow State University and Schlumberger)

Presenter: DAVYDYCHEV, Andrei (Moscow State University and Schlumberger)

Session Classification: Track 3: Computations in Theoretical Physics: Techniques and Methods

Track Classification: Track 3: Computations in Theoretical Physics: Techniques and Methods