Contribution ID: **792** Contribution code: **contribution ID 792**   Type: **not specified**

Modern multiloop calculations: Search for new algorithms and fast computer algebra systems

Tuesday 30 November 2021 15:00 (30 minutes)

Multiloop calculations are vital for obtaining high-precision predictions in Standard Model. In particular, such predictions are important for the possibility to discover New Physics which is expected to reveal itself in tiny deviations. The methods of multiloop calculations are rapidly evolving for already a few decades. New algorithms as well as their specific software implementations appear every year. In the present talk I will give my personal view on recent advances in multiloop methods and possible directions of their further development.

Presenter: LEE, Roman N.

Session Classification: Plenary