

第13回

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 - 題目: Numerical evaluation of Feynman integrals
 - 日時: 10月29日(火) 13:30 ~ 14:30
 - 場所: 数学科セミナー室 4号館 3階

GRACE system developed by numerical physics group in KEK has been used to generate Feynman diagrams and to calculate cross sections automatically up to one-loop level. It can also generate multi-loop diagrams in the standard model. There exist several attempts to make analytical evaluation of Feynman integrals of multi-loop diagrams. We shall, however, reach to the limit in this direction sooner or later. A new approach to the numerical evaluation of multi-loop integrals is introduced.

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Last update: **2017/11/27 11:34**

