Contribution ID: **170**   Type: **Parallel Talk**

New results for loop integrals

Wednesday, 5 November 2008 16:35 (25 minutes)

We present some recent results on the evaluation of massive one-loop multileg Feynman integrals, which are of relevance for LHC processes.
An efficient complete analytical tensor reduction was derived and implemented in a Mathematica package hexagon.m.
Alternatively, one may use Mellin-Barnes techniques in order to avoid the tensor reduction.
We shortly report on a new version of the Matheamtica package AMBRE.m.

Primary author: RIEMANN, Tord (DESY)

Co-author: YUNDIN, Valery (DESY)

Presenter: RIEMANN, Tord (DESY)

Session Classification: Methodology of Computations in Theoretical Physics - Session 2

Track Classification: 3. Computation in Theoretical Physics