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CompHEP status report (version 4.5)

Wednesday, 5 November 2008 09:00 (40 minutes)

We present a new version of the CompHEP program package, version 4.5. We describe shortly new techniques and options implemented: interfaces to ROOT and HERWIG, generation of the XML-based header in event files (HepML), full implementation of Les Houches agreements (LHA I, SUSY LHA, LHA PDF, Les Houches events), realisation of the improved von Neumann procedure for the event generation, etc. We also mention a few concrete and physically motivated examples of CompHEP-based event generators, which are important for the LHC experiments.

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