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References:

- E. Boos, V. Bunichev, M. Dubinin, L. Dudko, V. Edneral, V. Ilyin, A. Kryukov, V. Savrin, A. Semenov, and A. Sherstnev [CompHEP Collaboration], CompHEP 4.4: Automatic computations from Lagrangians to events, Nucl. Instrum. Meth. A534 (2004), 250 (arXiv:hep-ph/0403113).
- A. Pukhov, E. Boos, M. Dubinin, V. Edneral, V. Ilyin, D. Kovalenko, A. Kryukov, V. Savrin, S. Shichanin, and A. Semenov, CompHEP - a package for evaluation of Feynman diagrams and integration over multi-particle phase space. User's manual for version 3.3, INP MSU report 98-41/542 (arXiv:hep-ph/9908288)

Requirements

- Linux RedHat-6.X or later, Scientific Linux CERN 3 or later. It should work under any UN*X OS, but not guaranteed.
- gcc (version 3.0 or later), g77 (version 3.0 or later) or gfortran (version 4.0 or later)
- 128MB RAM. This is strongly dependent on the task.

- 30MB HDD for installation.
- ISAJET (as a CERNLIB library) and CERN Mathlib library, if you are going to use MSSM models.

Latest versions

Last stable version is 4.5.2

(the version 4.5.2 is the same as 4.5.2rc12)

Date	File	Content	Comments
09/12/2013	comphep-4.5.2.tgz	CompHEP, v4.5.2	The latest stable version
10/04/2011	comphep_4.5.1-2_i386.deb	DEB package of CompHEP, v4.5.1	Preliminary version of package for Debian
16/03/2011	comphep-4.5.1-1.i686.rpm	RPM package of CompHEP, v4.5.1	Check for Fedora-14 and CentOS-5.5
16/03/2009	comphep-4.5.1.tgz	Source codes of CompHEP, v4.5.1	More details
05/02/2009	comphep-4.5.0.tgz	Source codes of CompHEP, v4.5.0	More details
06/11/2006	comphep-4.4p3-gcc411.tgz	Source codes of CompHEP, v4.4p3 (for gcc-4.1.x only!)	More details
08/06/2004	comphep-4.4p3.tgz	Source codes of CompHEP, v4.4p3 (old event format)	More details
08/06/2004	comphep-4.4.3.tgz	Source codes of CompHEP, v4.4.3	Release notes
16/05/2004	comphep-4.4.2.tgz	Source codes of CompHEP, v4.4.2	Obsolete, available on request
16/11/2003	comphep-4.4.0.tgz	Source codes of CompHEP, v4.4.0	Obsolete, available on request
01/11/2003	comphep-4.2p1.tgz	Source codes of CompHEP, v4.2p1 (old event format)	Obsolete, available on request
	comphep-4.2.0.tgz	Source codes of CompHEP, v4.2.0	Obsolete, available on request

Versions in development, not tested carefully.

Date	File	Content	Comments
03/04/2013	comphep-4.5.2rc12.tgz	Source codes of CompHEP, v4.5.2 (release candidate 12)	Most stable for today, but still under the tests
01/02/2013	comphep-4.5.2rc11.tgz	Source codes of CompHEP, v4.5.2 (release candidate 11)	For tests by the group only!
24/12/2009	comphep-4.5.2rc10.tgz	Source codes of CompHEP, v4.5.2 (release candidate 10)	For tests by the group only!
11/12/2009	comphep-4.5.2rc9.tgz	Source codes of CompHEP, v4.5.2 (release candidate 9)	For tests by the group only!
23/10/2009	comphep-4.5.2pre8.tgz	Source codes of CompHEP, v4.5.2 (release candidate 8)	For tests by the group only!

03/07/2009	comphep-4.5.2rc6.tgz	Source codes of CompHEP, v4.5.2 (release candidate 6)	Don't use this version!!! It has a serious bug!
02/04/2009	comphep-4.5.2rc3.tgz	Source codes of CompHEP, v4.5.2 (release candidate 3)	For tests by the group only!
17/04/2008	comphep-4.5.0rc2.tgz	Source codes of CompHEP, v4.5.0 (release candidate 2)	More details
02/07/2007	comphep-4.4.93.tgz	Source codes of CompHEP, v4.4.93 (preliminary test version of 4.5.0)	More details
07/06/2007	comphep-4.4.92.tgz	Source codes of CompHEP, v4.4.92 (preliminary test version of 4.5.0)	More details
06/06/2007	comphep-4.4.91.tgz	Source codes of CompHEP, v4.4.91 (preliminary test version of 4.5.0)	More details
05/06/2007	comphep-4.4.90.tgz	Source codes of CompHEP, v4.4.90 (preliminary test version of 4.5.0)	More details

Documentation

Date	File	Content	Comments
10/03/2004	hep-ph/0403113	The last reference to CompHEP v. 4.2	
06/08/1999	hep-ph/9908288	CompHEP manual, v. 3.3	
01/08/2002	hep-ph/0208011	LanHEP Manual, v. 2.0	see LanHEP page for updates info

Interfaces to other Monte-Carlo generators

Date	File	Content	Comments
11/06/2009	comphep-interfaces-3.0.2.tgz	Interface to PYTHIA and HERWIG, v. 3.0.1 (beta)	More details
17/09/2008	comphep-interfaces-3.0.1.tgz	Interface to PYTHIA and HERWIG, v. 3.0.1 (beta)	More details
20/07/2007	comphep-interfaces-1.0.1.tgz	Interface to PYTHIA and HERWIG, v. 1.0.1 (beta)	More details
26/02/2007	cpyth-2.0.6.tgz	Interface CompHEP-Pythia, v. 2.0.6	Warning
14/11/2006	cpyth-1.2.7.tgz	Interface CompHEP-Pythia, v. 1.2.7	Warning

Other tools

Date	File	Content	Comments
06/05/2008	lh300.tar.gz	Source of LanHEP, version 3.0.0	More details
15/03/2007	num_batch_v1.6.pl.txt	Numerical batch script, version 1.6	Obsolete, available on request
01/12/2006	num_batch_v1.4.pl.txt	Numerical batch script, version 1.4	Obsolete, available on request
21/09/2006	num_batch_v1.3.pl.txt	Numerical batch script, version 1.3	Obsolete, available on request
24/05/2002	lh207.tgz	Source of LanHEP, version 2.0.7	More details

CompHEP version 3 (1998)

- [CompHEP version 33.23](#)

Legacy SW

- [M\\$ Windows version \(95/98/NT\)](#)
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