

K1.8 analyzer README

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It is assumed to work on KEKCC, Scientific Linux release 6.10 (Carbon).

Environment variables

Add the following lines to your .bashrc.

```
module load git/2171
module load gcc/485
module load python/2.7
module load python/3.5
. /sw/packages/root/6.14.06/bin/thisroot.sh
export PATH=$PATH:$HOME/unpacker/bin # Set as appropriate
```

Unpacker

Install the Unpacker.

```
$ git clone \
ssh://sks@www-online.kek.jp:8022/~public_html/git/unpacker.git
$ cd unpacker/src
$ cp Makefile.org Makefile
$ make
```

Check if the "unpacker-config" command is available.

```
$ unpacker-config --version
2020-01-21
```

K1.8 analyzer

Install the K1.8 analyzer.

```
$ git clone \  
ssh://sks@www-online.kek.jp:8022/~public_html/git/k18-analyzer.git  
$ cd k18-analyzer  
$ git checkout e42  
$ cp Makefile.org Makefile  
$ make
```

e.g.) Hodoscope,

Usage: Hodoscope [analyzer config file] [data input stream] [output root file]

```
$ ./bin/Hodoscope param/conf/analyzer_2019apr_0.conf \  
/group/had/sks/E40/JPARC2019Feb/e40_2019feb/run07334.dat.gz hoge.root
```