2.5. *Online Access to HEP at DESY*

DESY offers accounts for remote login from Europe restricted to ***SPIRES-HEP***. Contact Hartmut Preissner (`L00HTP@DSYIBM.DESY.DE`).

2.6. *Databases on SPIRES at Yukawa Institute*

The Yukawa Institute provides Gopher access (`GOPHER.YUKAWA.KYOTO-U.AC.JP`) and QSPIRES access (`JPNYITP.YUKAWA.KYOTO-U.AC.JP`) from the Far East to SPIRES databases. Contact Ken-Ichi Aoki (`AOKI@HEP.S.KANAZAWA-U.AC.JP`).

2.7. *High-Energy Physics Bulletin Board Preprint Archives*

E-mail listings of high-energy physics preprint titles and abstracts submitted to the archives can be received daily by sending a blank e-mail message to the appropriate archive (`HEP-EX@XXX.LANL.GOV`, `HEP-LAT@FTP.SCRI.FSU.EDU`, `HEP-PH@XXX.LANL.GOV`, or `HEP-TH@XXX.LANL.GOV`) with the subject:

`SUBSCRIBE` *your_name*

To receive detailed instructions on submitting and recovering papers, send a blank e-mail message with the subject:

`HELP`

The listings and papers can also be accessed through the World-Wide Web link

`http://xxx.lanl.gov/`

2.8. *IHEP-LBL Particle Physics Data System (PPDS) at LBL*

The databases maintained by the IHEP Protvino COMPAS Group under the Berkeley Database Management System (BDMS) with input from the world-wide Particle Data Group collaboration can be accessed interactively on INTERNET: `TELNET MUSE.LBL.GOV` (`131.243.48.11`) or on DECNET: `SET HOST MUSE` (42062). Then login to the captive account `PPDS_PUBLIC` (a password is not required).

Otherwise, remote interactive access can be achieved from other OpenVMS computers with DECNET access to MUSE. The remote software (20,000 blocks) can be obtained from `LUGOVSKY@MX.IHEP.SU` or `PDG@LBL.GOV` and can then be initialized by the system manager or by having each user type:

`@`*disk*`:[`*directory*`.COMPAS.BDMS.COM]BDMSINI`

In the following description, words in `Typewriter Font` must be typed as given. Only the letters in UPPER CASE are necessary and these must be entered in upper case. *Italic words* are variables for which the user substitutes an appropriate value, again in upper case.

- To enter the system and obtain general information, type:

  `PPDS`

  or, to open a particular database, type:

  `PPDS` *database_name*

  (*e.g.*, `PPDS DOCuments`)

- For a short explanation of the database, type:

  `HELpbase`
- For a list of BDMS commands, type:

  `?`
- For an explanation of a particular BDMS command, type:

  `?`*command_word*

  (*e.g.*, `?FInd`, `?HELpbase`, `??`)
- To see the record structure and names of keys for searching, type:

  `FDT`
- To browse the index of a key, type:

  `INDex,`*key_name*

  (*e.g.*, `INDex,AC`)
- To search an index, type:

  `FInd` *key_name*`=`*key_value*`;**`

  Note the use of '`**`' to terminate each search statement and the use of '`;`' to separate data elements.

  The following examples typify the `FIND` search command.

  `FInd AC=BNL;**`

  `FInd AC=BNL; OR AC=BONN;**`

  Each successful search produces a list of all previous searches and labels them with a 'set number.' A previous search result can then be combined with a current search by use of set numbers:

  `FInd (1) and RE=PI+ P --> PI+ P;**`

  `FInd (1) and (2) **`

  Note that '`;`' is not used in searches that only use 'sets'.

  Enter `DIR` to get a list of these set numbers and search commands.
- To do a truncated search, use a slash after the key value:

  `FInd DE=HBC/;**`

  This finds all detectors that begin with `HBC`.
- To do a string search, use `/C` after the key name:

  `FInd DE/C=BC;**`

  This finds all detectors that have `BC` anywhere in the name.
- The following examples are WRONG:

  `find ac=bnl;**` (Error: uses lowercase)

  `FInd AC BNL;**` (Error: no '=')

  `FInd AC=BNL **` (Error: no ';')

  `FInd AC=BNL OR BONN;**` (Error: no ';' & no '`AC=`')
- To see the results of a search with key names, type:

  `LISt`
- Or to restrict data elements shown, append the desired key names. For example:

  `LISt,AC,RE,SC.`

  The leading comma and terminal period are required.
- Or for an attractive listing, type:

  `DOcument` then

  `LOokfile`