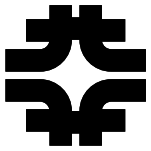

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November 7, 1995
LEPTO
PM0093

LEPTO at FNAL

LEPTO generates deep-inelastic lepton-nucleon scattering events. LEPTO is part of the LUND package. To access the current version of the LUND package, type "setup lund" on any machine. The most recent version of lund and its immediate predecessor are always available on the FNALV cluster and fnalu. To access the version preceeding the current version, type "setup lund.old" with vms or "setup -o lund" with unix.

Examples and test programs are available in LUND_ROOT:[EXAMPLE] for VMS and $LUND_DIR/example for unix. You may need to setup both lund and cern before linking a lepto program. LEPTO is designed to interact with JETSET and PYTHIA.

VMS usage example:

```
$ setup cern,lund
$ fortran myprog
$ link/exe myprog,pdfdum_obj,-
                lepto_olb/inc=(leptod)/lib,-
                lund_olb/inc=(ludata,pydata)/lib,-
                packlib_olb/lib,kernlib_olb/lib
```

UNIX usage example:

```
% setup cern
% setup lund
% f77 -o myprog myprog.f \
                $LULIB/ludata.o $LULIB/pydata.o $LULIB/pdfdum.o \
                -L$LULIB -llepto -llund -L$CRNLIB -lpacklib
```