Fermilab

Lynn Garren
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ARIADNE
PM0090

ARIADNE at FNAL

ARIADNE generates QCD cascades using the color dipole model. ARIADNE 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 an ariadne program. ARIADNE is designed to interact with JETSET, PYTHIA, and LEPTO.

VMS usage example:

```
$ setup lund
$ fortran myprog
$ link/exe myprog,-
        ariadne_olb/inc=(ardata)/lib,-
        lund_olb/inc=(ludata,pydata)/lib
```

UNIX usage example:

```
% setup lund
% f77 -o myprog myprog.f \
        $LULIB/ludata.o $LULIB/ludata.o \
        -L$LULIB -lar4 -llund
```