

\$Corr_Var

\$RNG-INITIALIZATION

Read in random
number seeds:
IXX,JXX

IF IXX<0

Yes

Set CRFLAG
IXX=-IXX

No

Initialize
RANMAR.

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Store state of
RANDOM into
RANDM2
\$STORE-RNG (2) ;

Loop over
particles.

Call Shower

IF CRFLAG is
set

Yes

Load
RANDM2
State
\$RESET-
RNG (2) ;

Cycle RNG
(~100x)

Store RNG
State into
RANDM2
\$STORE-
RNG (2) ;

No

Loop over
particles.

IF CRFLAG is
set

YES

Store DOSEIS
array to file.

\$Corr_Reseed

\$Corr_Dump