Input Instructions for RECONR

```
******************************************************************
*                                                                *
* card 1                                                         *
*    nendf    unit for endf/b tape                               *
*    npend    unit for pendf tape                                *
* card 2                                                         *
*    tlabel   66 character label for new pendf tape              *
*             delimited with quotes, ended with /.               *
* card 3                                                         *
*    mat      material to be reconstructed                       *
*    ncards   number of cards of descriptive data for new mf1    *
*             (default=0.)                                       *
*    ngrid    number of user energy grid points to be added.     *
*             (default=0.)                                       *
* card 4                                                         *
*    err      fractional reconstruction tolerance used when      *
*             resonance-integral error criterion (see errint)    *
*             is not satisfied.                                  *
*    tempr    reconstruction temperature (deg kelvin)            *
*             (default=0.)                                       *
*    errmax   fractional reconstruction tolerance used when      *
*             resonance-integral error criterion is satisfied    *
*             (errmax.ge.err, default=20.*err)                   *
*    errint   maximum resonance-integral error (in barns)        *
*             per grid point (default=err/10000)                 *
*             (note: the max cross section difference for        *
*             linearization, errlim, and for reconstruction,     *
*             errmin, are also tied to errint.  to get maximum   *
*             accuracy, set errint to a very small number.       *
*             for economical production, use the defaults.)      *
* card 5                                                         *
*    cards    ncards of descriptive comments for mt451           *
*             each card delimited with quotes, ended with /.     *
* card 6                                                         *
*    enode    users energy grid points                          *
*                                                                *
*       cards 3, 4, 5, 6 must be input for each material desired *
*       mat=0/ terminates execution of reconr.                   *
*                                                                *
******************************************************************
```