```
This program is an interactive one (a front-end) to help to
automatically generate a data set (called dfold.xxx) for input
to the dfold program. Once the data set is created, dfold should
be run using the standard redirect construction: dfold < dfold.xxx
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A typical run with the answers given to calculate the potential
for 12C+9Be at 100 MeV per nucleon (to file dfold.12C+9Be) is as
follows.

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  HF projectile density version

  Enter title
my_run
  Output file trailer
12C+9Be
  Output is to file: dfold.12C+9Be
 Enter PROJECTILE mass and charge
12   6
 Enter TARGET mass and charge
9    4
 Enter Laboratory energy per nucleon
100
  PROJECTILE density type

 (1) Gaussian
 (2) Woods-Saxon
 (3) Delta function
 (4) 3 parameter Fermi
 (5) r**pwr*Yukawa
 (6) r**pwr*Gaussian
 (7) Oscillator
 (8) read Alex Brown HF densities
 (9) read from other file
1
 f(r)=C*exp[-(r/gamma)**2]
 Enter projectile rms radius
2.32
 TARGET matter density type

 (1) Gaussian
 (2) Woods-Saxon
 (3) Delta function
 (4) 3 parameter Fermi
 (5) r**pwr*Yukawa
 (6) r**pwr*Gaussian
 (7) Oscillator
 (8) read Alex Brown HF densities
 (9) read from other file
1
 f(r)=C*exp[-(r/gamma)**2]
 Enter target rms radius
2.36
 Enter effective interaction type
 (1) Gaussian
 (2) Delta function
1
 f(r)=C*exp[(r/gamma)**2]
 Enter gammapp and gammapn values
 (1) < 100MeV/u defaults [0.5 fm]
 (2) Read values
1
 signp = 72.8215499828477  mb
 sigpp = signn = 28.53350512831817  mb

 Alphas are ratios of real to imaginary amplitudes
 Use defaults (1) or choose pp and np alphas (2)
1
 using < 100MeV/u Ray defaults  1.87  1.0
```