Hartree Fock density evaluator of B.A. Brown. Many options,
see oxbash.pdf, but used below for the density only.
Output is to the file xxx.rho, based on 1,,,,xxx typed
following the wr (write) command. Output file xxx.rho
tabulates the volume integrals and rms radii in the header
followed by:

```
radius  p-density  n-density   mass density  charge density
........
```

as below for 76Fe

```
 volume integrals =    26.00   50.00   76.00   26.00
 rms radii        =    3.844   4.189   4.074   3.910
   0.0000E+00  0.6707E-01  0.8087E-01  0.1479E+00  0.6195E-01
   0.1000E+00  0.6707E-01  0.8087E-01  0.1479E+00  0.6195E-01
```

data for dens is as follows:

```
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az                       (signal mass and charge input, a,z)
76,26                    (the mass and charge choice is yours)
cp                       (signal choice of potential)
sk20                     (is Skyrme SkX - stable and exotics,
                          type h for the many other options)
gd                       (go work out the density)
wr                       (signal writing the density out)
1,,,,76Fe                (density file is 76Fe.RHO in this example)
st                       (stop - we are done - enough!)
```