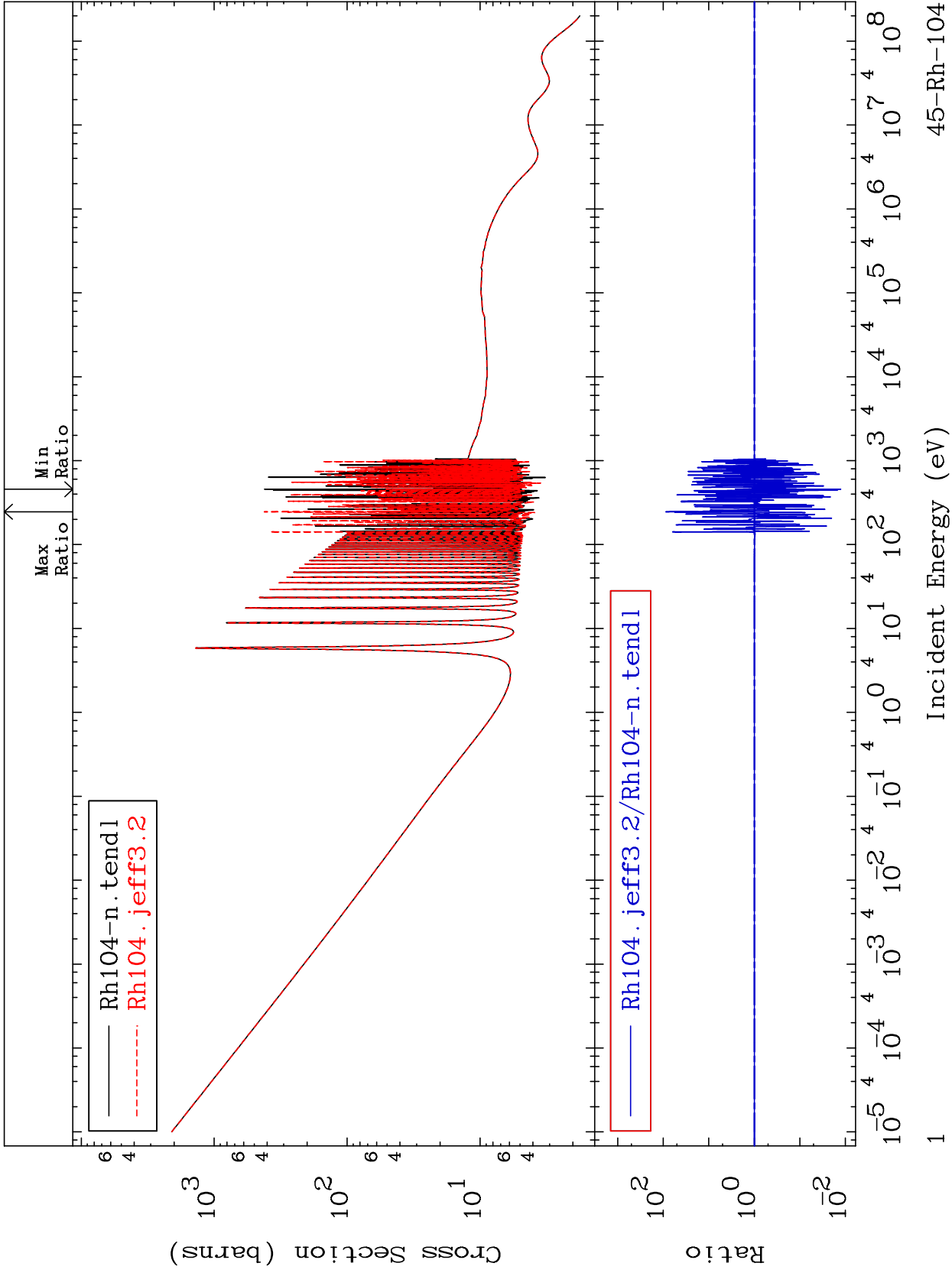


MAT 4528

Total Cross Section  
45-Rh-104  
-98.73 To 8836. %



45-Rh-104

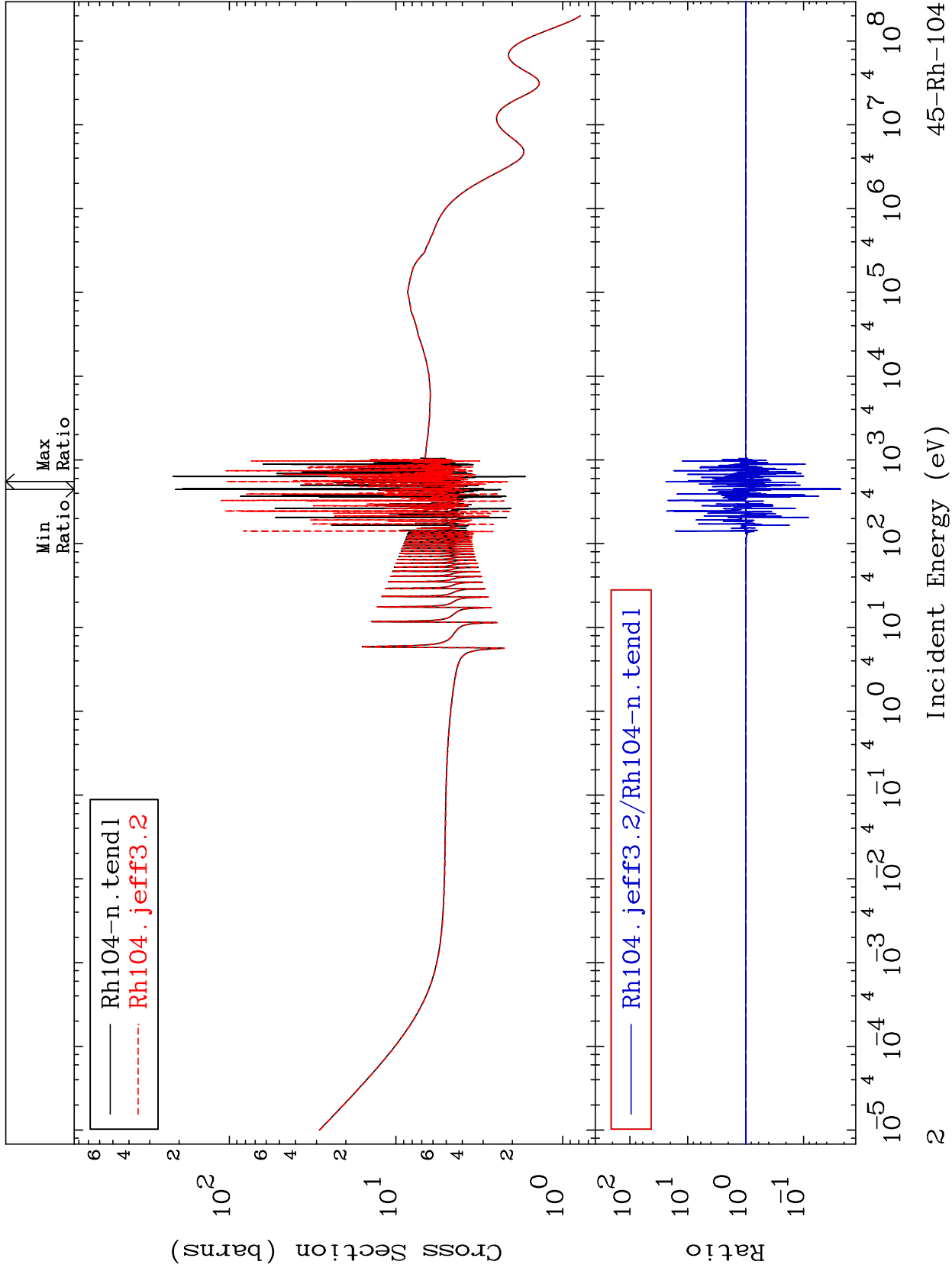
MAT 4528

Elastic

45-Rh-104

Cross Section

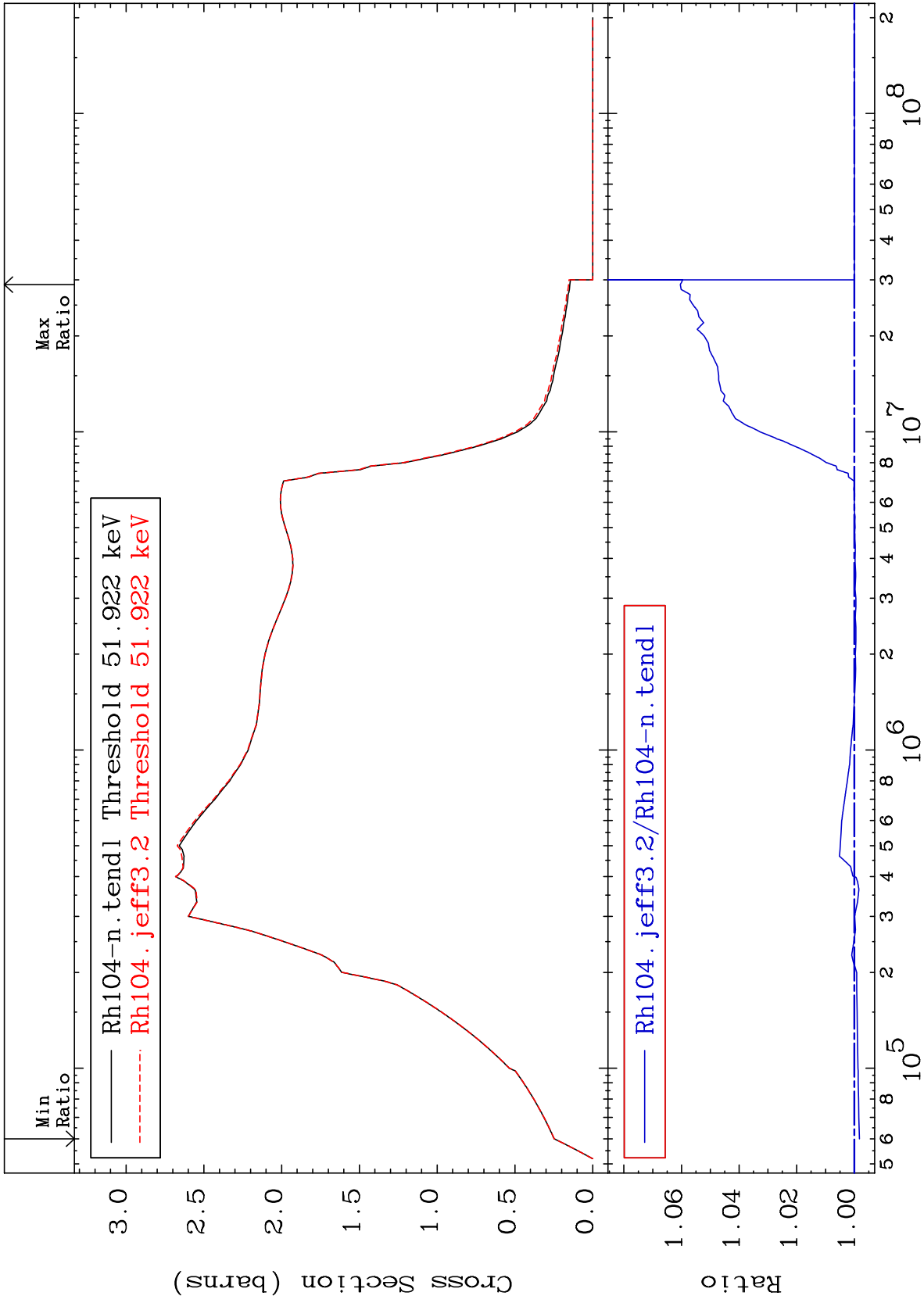
-97.73 To 2283. %



MAT 4528

Inelastic  
Cross Section

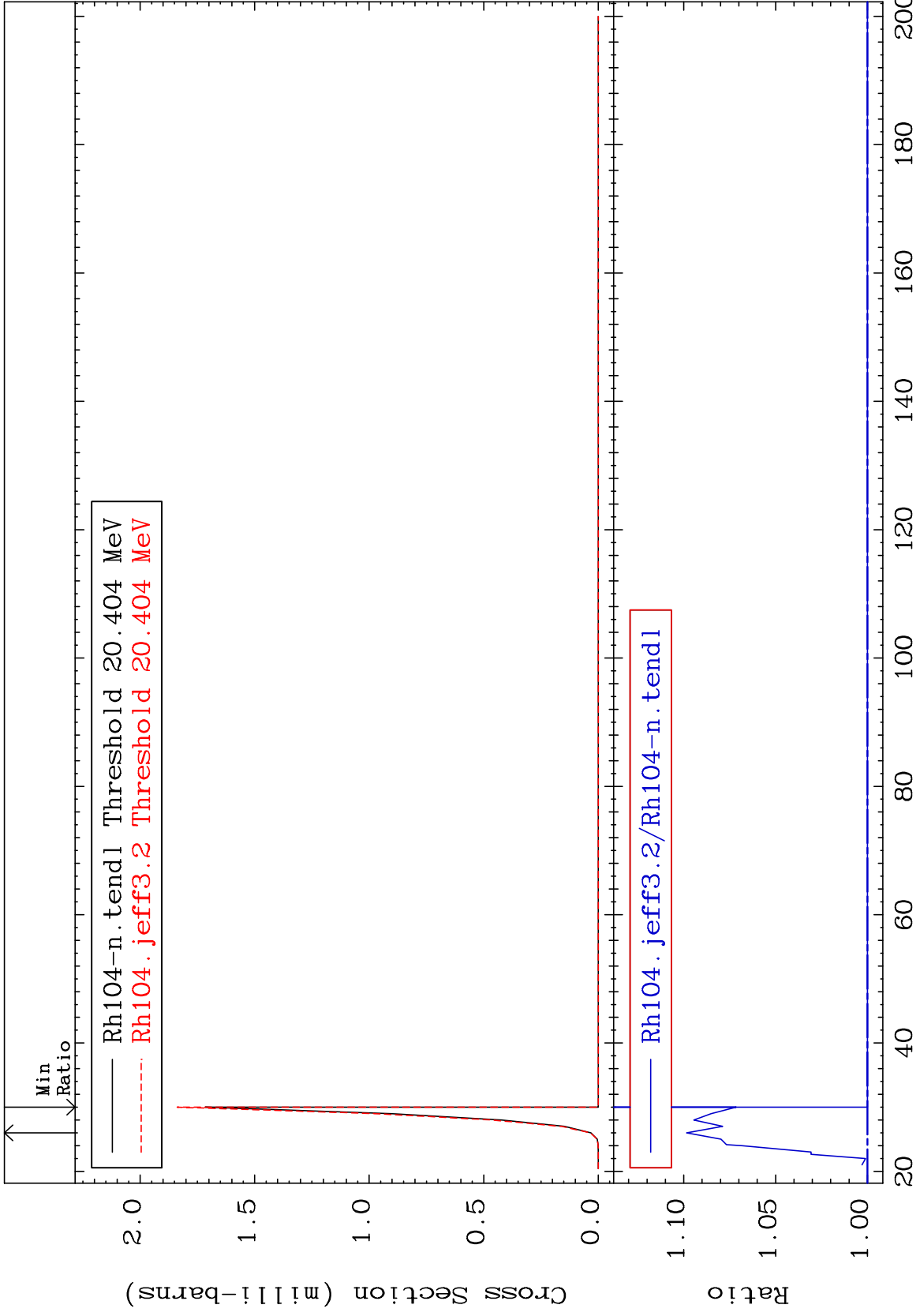
45-Rh-104  
-0.176 To 6.040 %



MAT 4528

(n,2n) d  
Cross Section

45-Rh-104  
0.000 To 9.838 %



Incident Energy (MeV)

45-Rh-104

4

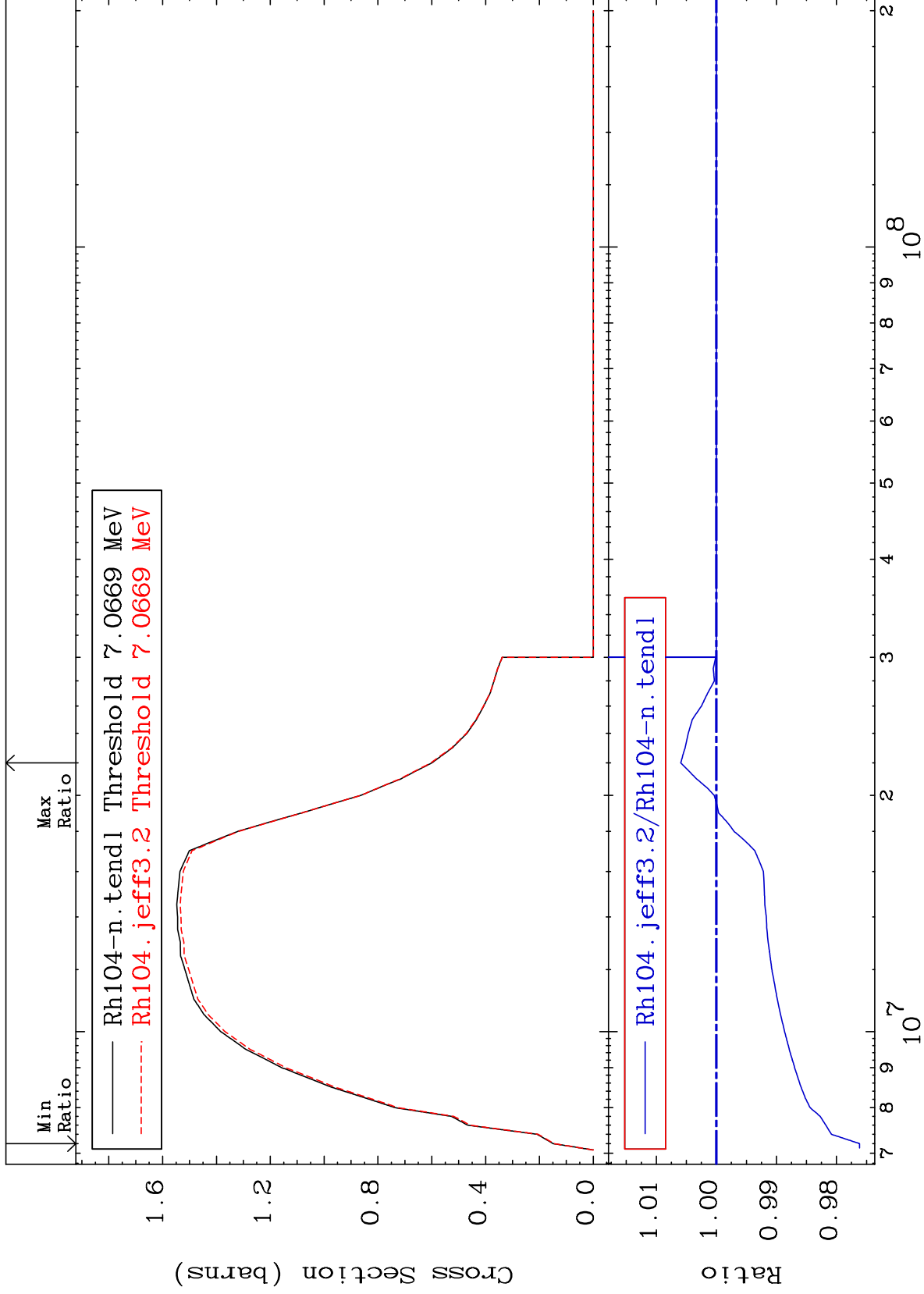
MAT 4528

(n,2n)

45-Rh-104

Cross Section

-2.384 To 0.593 %



5

Incident Energy (eV)

45-Rh-104

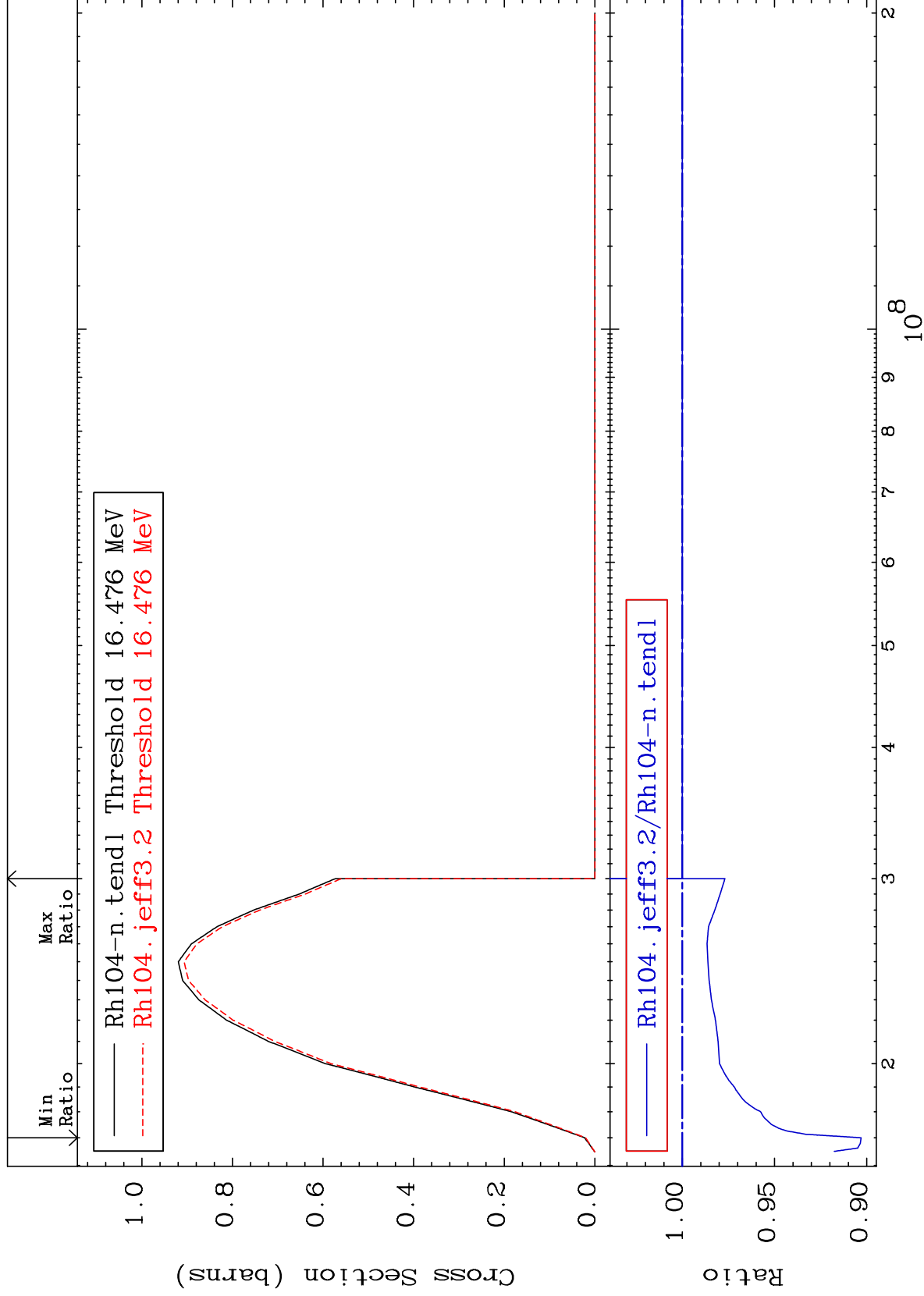
MAT 4528

(n,3n)

45-Rh-104

Cross Section

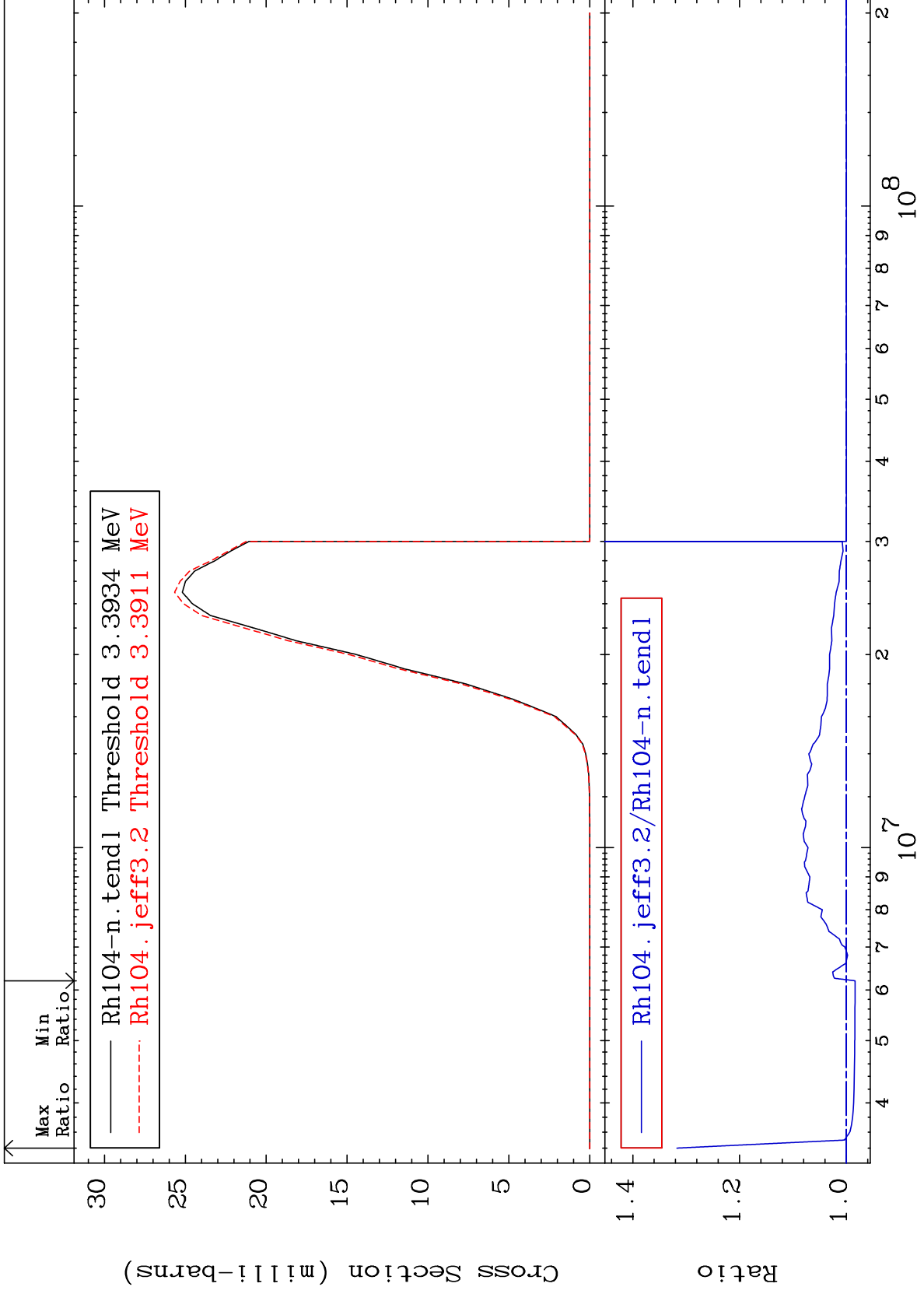
-9.694 To 0.000 %



MAT 4528

(n, n')  $\alpha$   
Cross Section

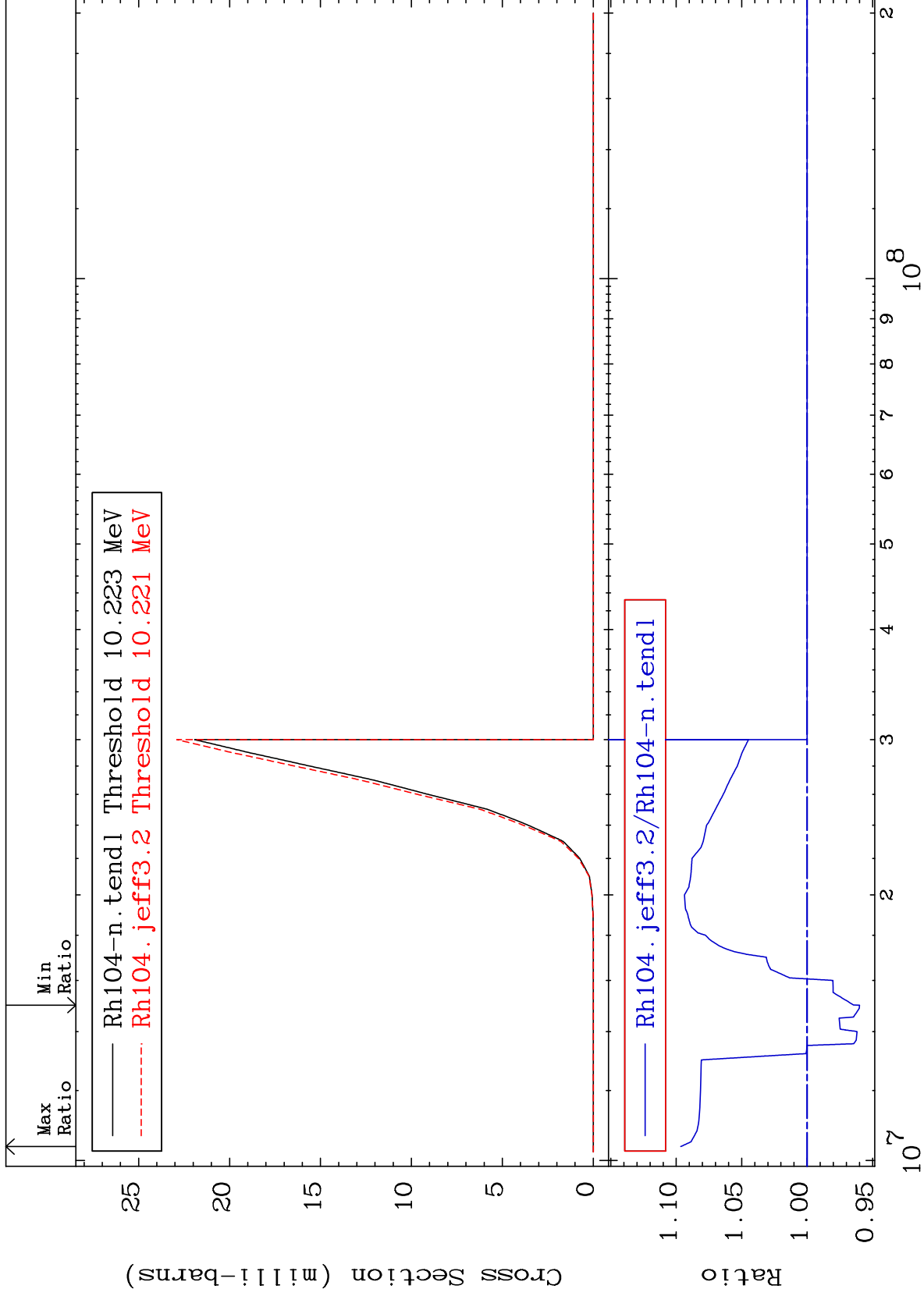
45-Rh-104  
-1.643 To 31.73 %



MAT 4528

(n,2n)  $\alpha$   
Cross Section

45-Rh-104  
-4.006 To 9.655 %



45-Rh-104

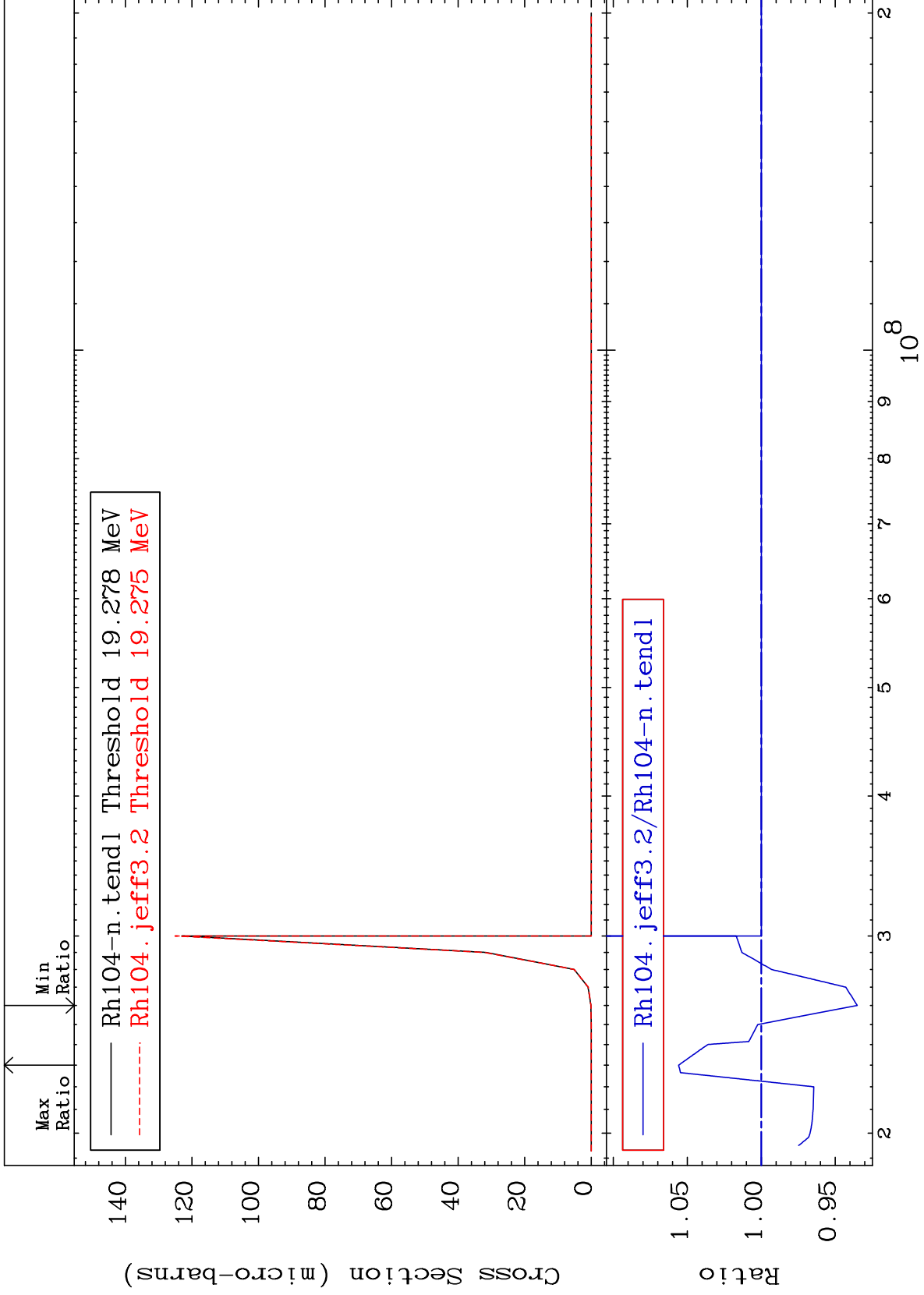
Incident Energy (eV)



MAT 4528

(n,3n)  $\alpha$   
Cross Section

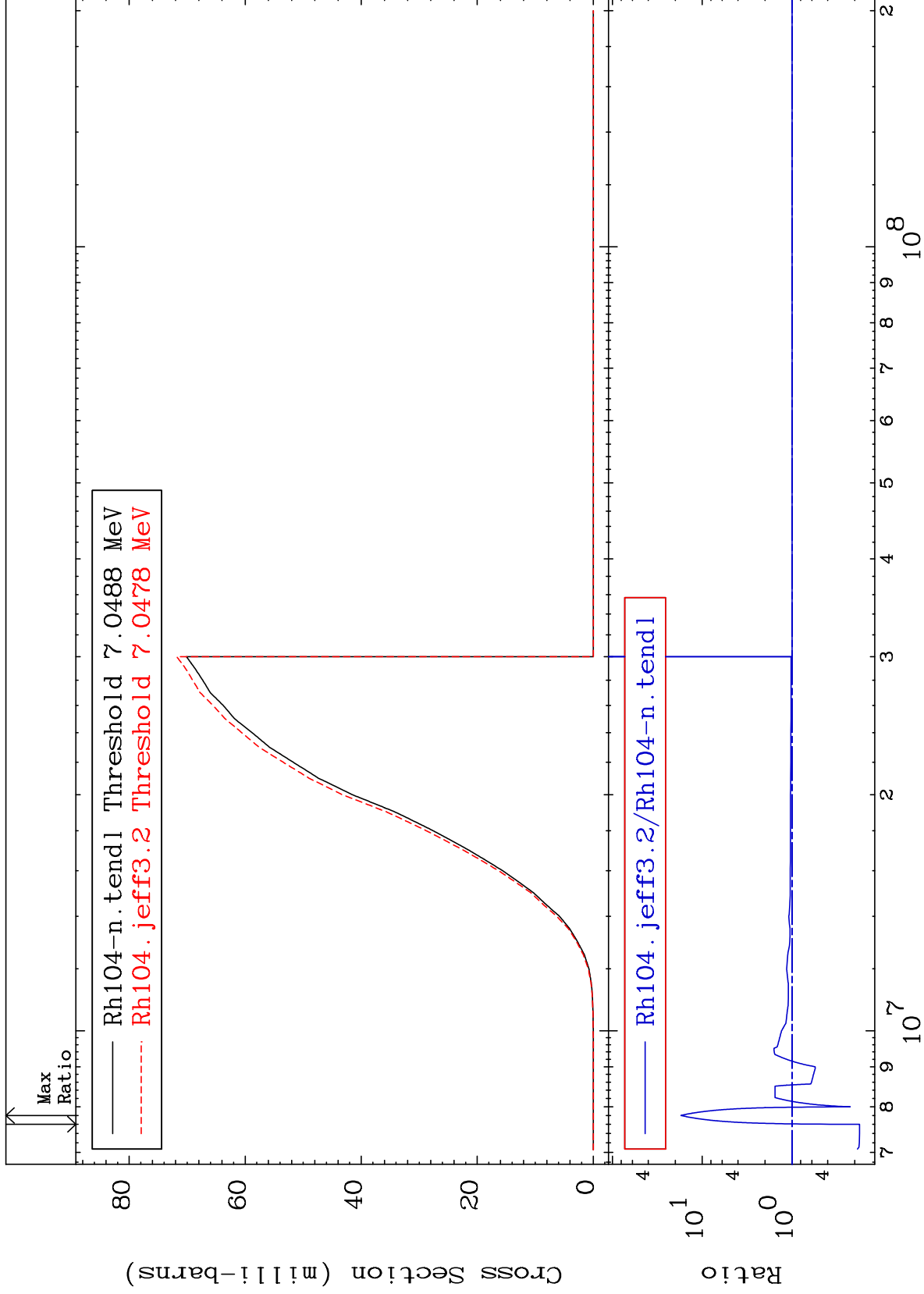
45-Rh-104  
-6.488 To 5.587 %



MAT 4528

(n, n') p  
Cross Section

45-Rh-104  
-82.31 To 1636. %



10

Incident Energy (eV)

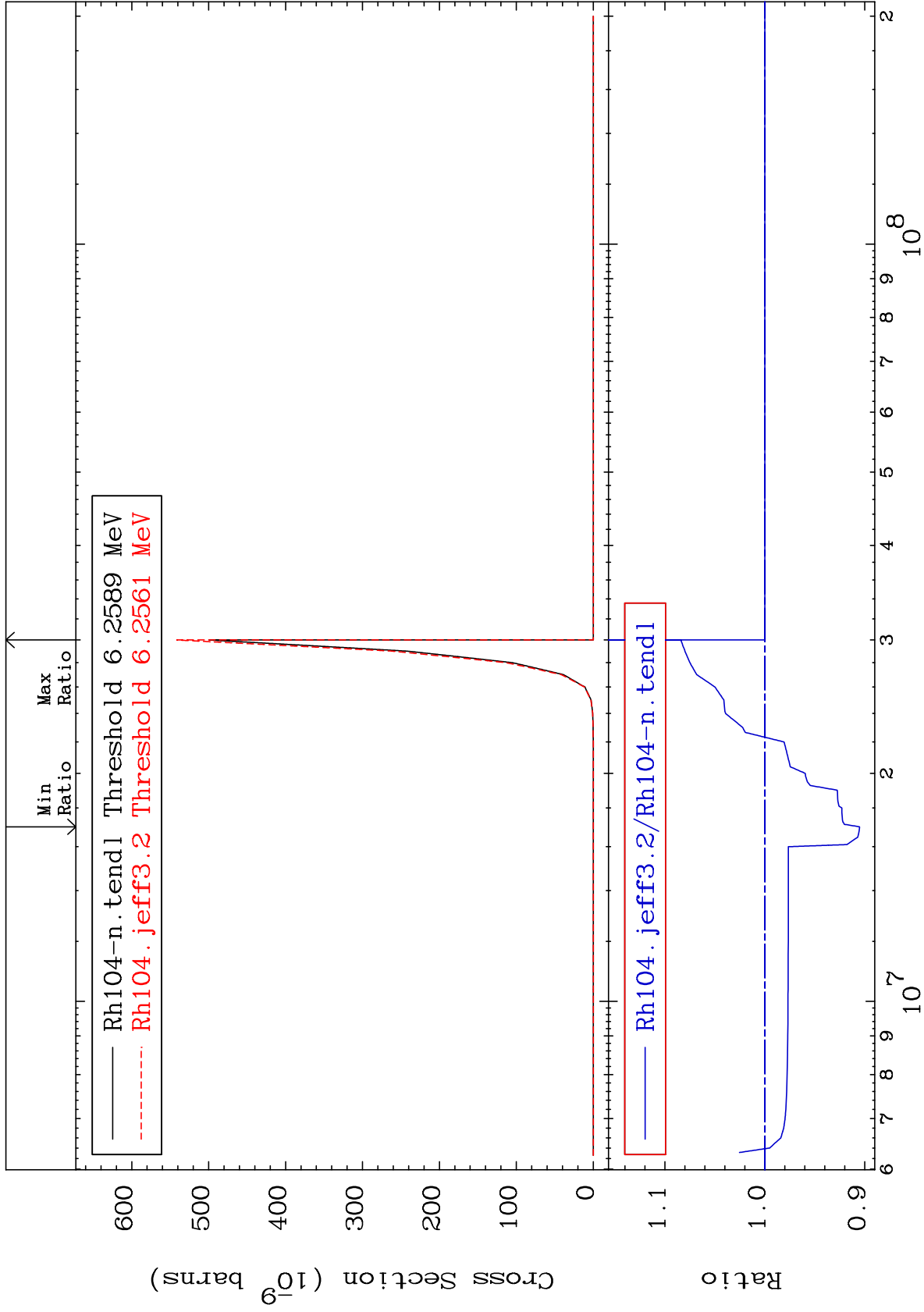
45-Rh-104

MAT 4528

45-Rh-104

(n, n') 2α  
Cross Section

-9.474 To 8.417 %



11

Incident Energy (eV)

45-Rh-104



MAT 4528

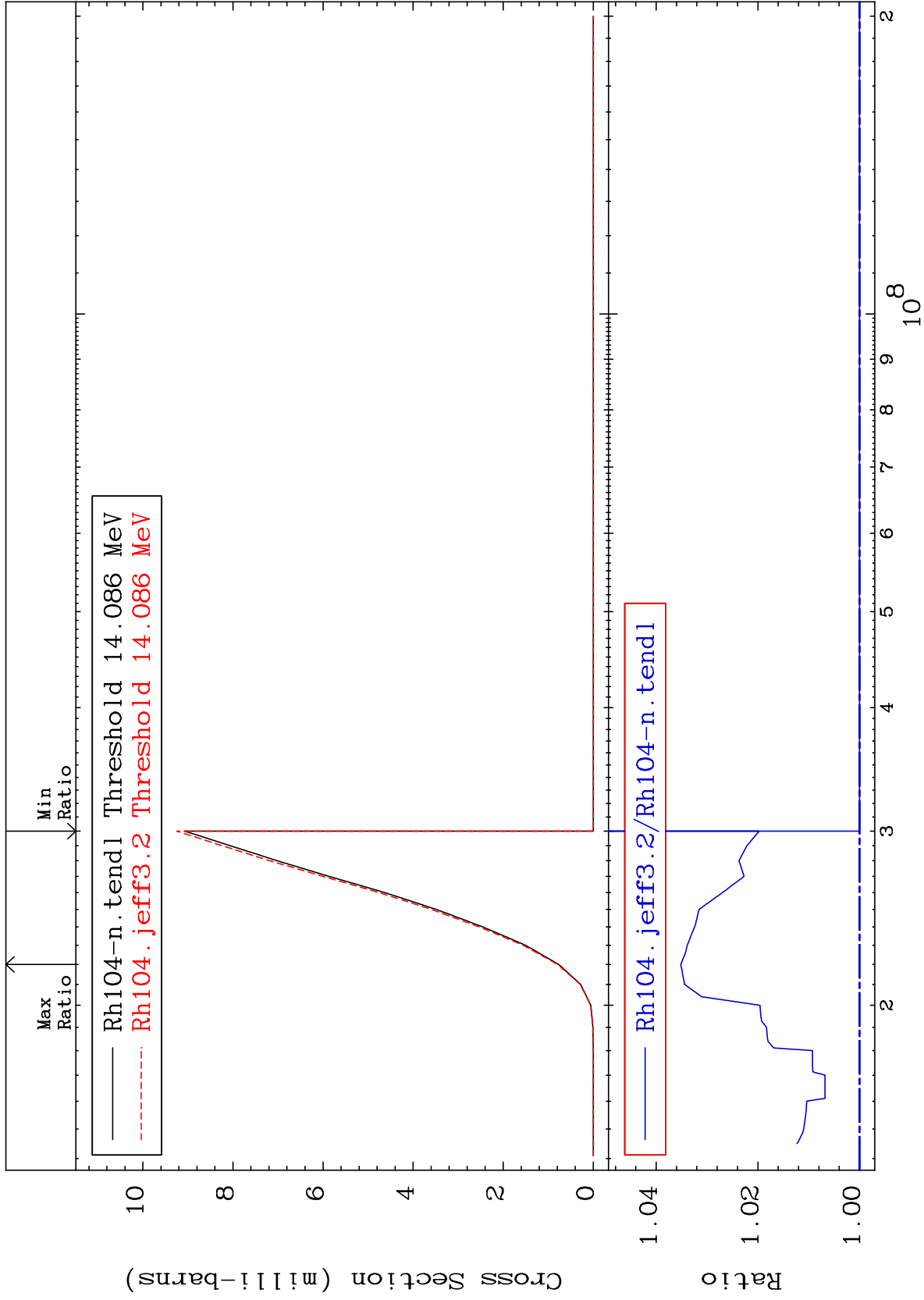
(n, n') t

45-Rh-104

Cross Section

0.000

To 3.516 %



13

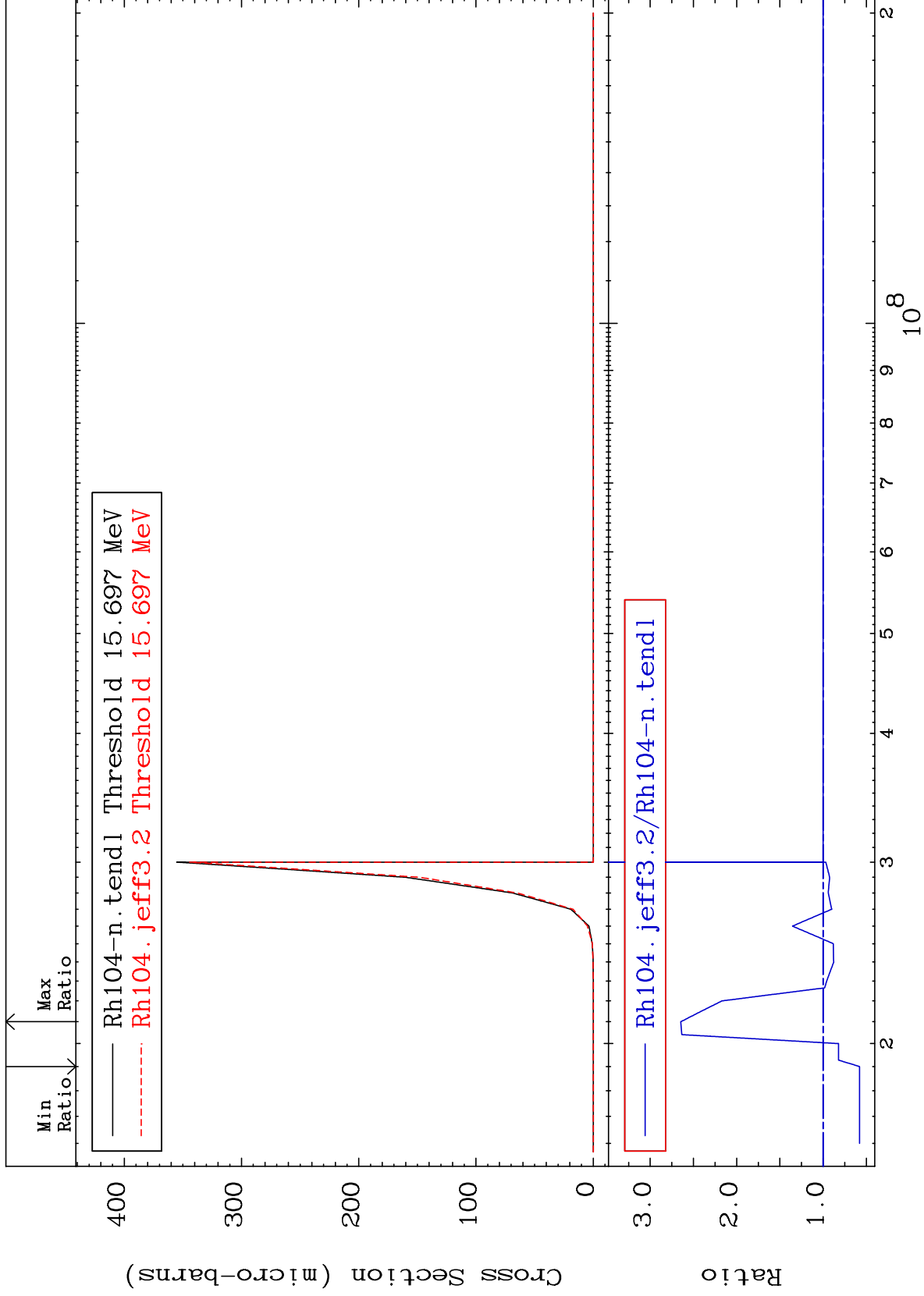
Incident Energy (eV)

45-Rh-104

MAT 4528

(n, n') He-3  
Cross Section

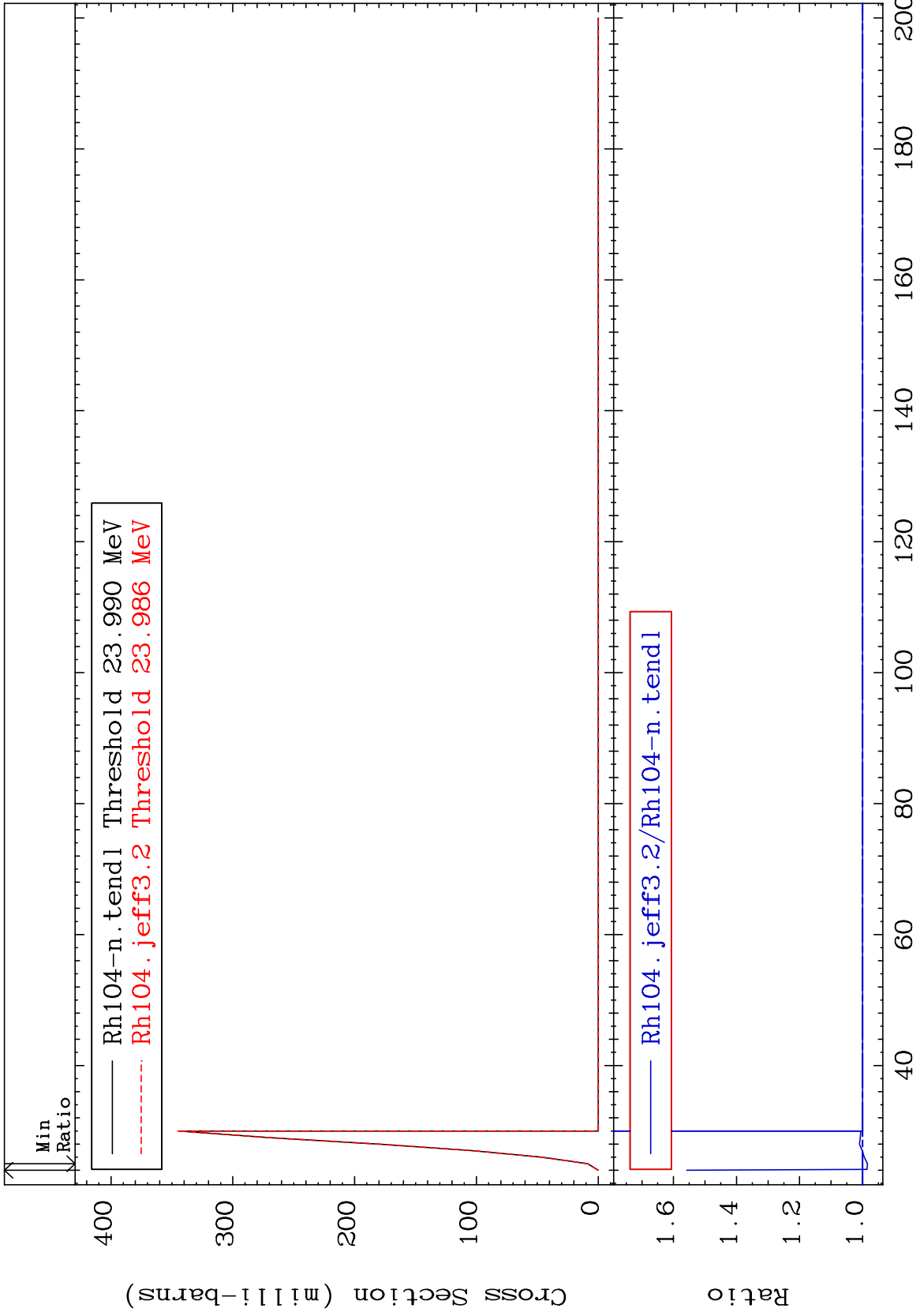
45-Rh-104  
-42.09 To 164.7 %



MAT 4528

(n,4n)  
Cross Section

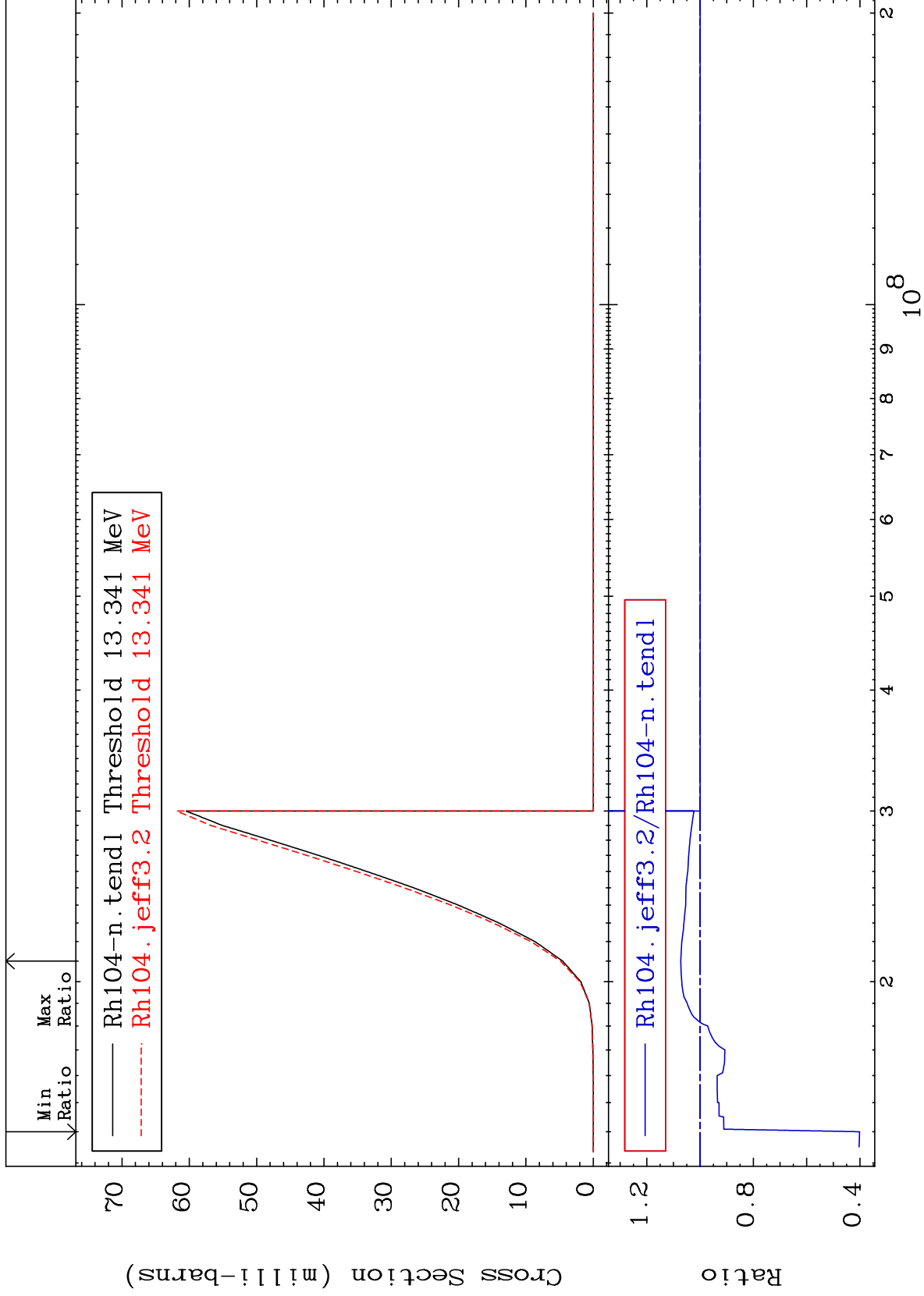
45-Rh-104  
-1.535 To 55.80 %



MAT 4528

(n,2n) p  
Cross Section

45-Rh-104  
-59.84 To 7.257 %

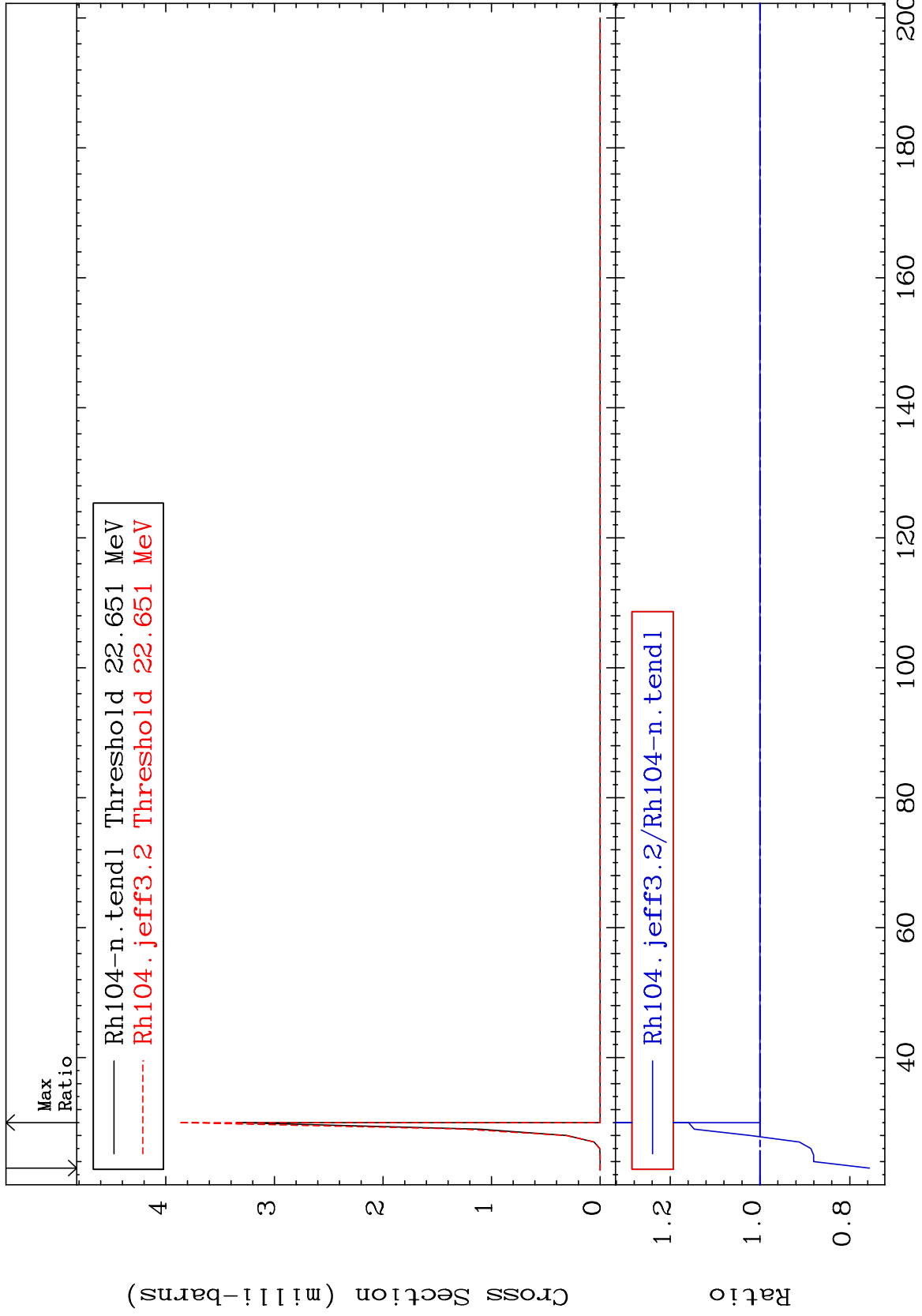




MAT 4528

(n,3n) p  
Cross Section

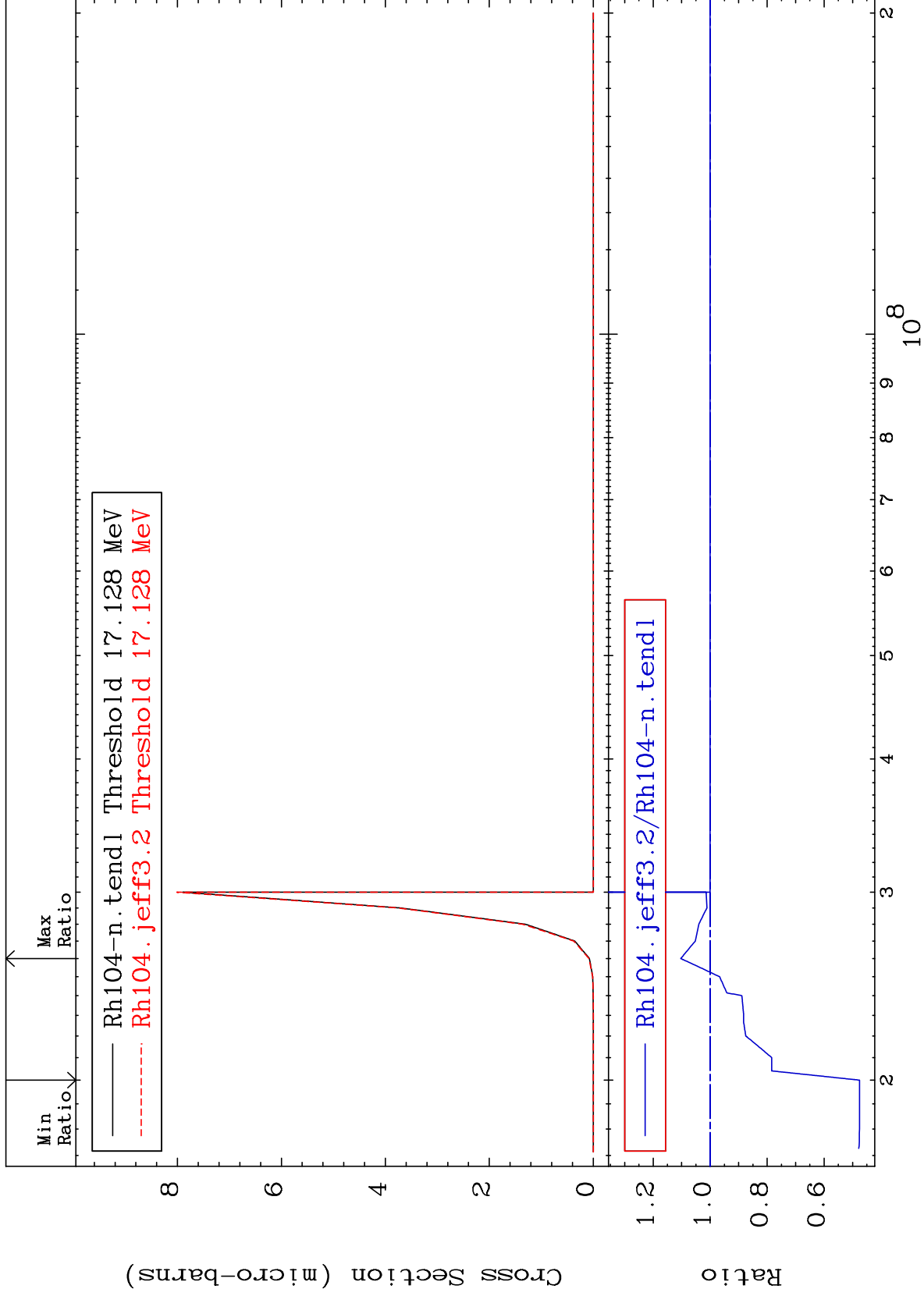
45-Rh-104  
-24.38 To 15.89 %



MAT 4528

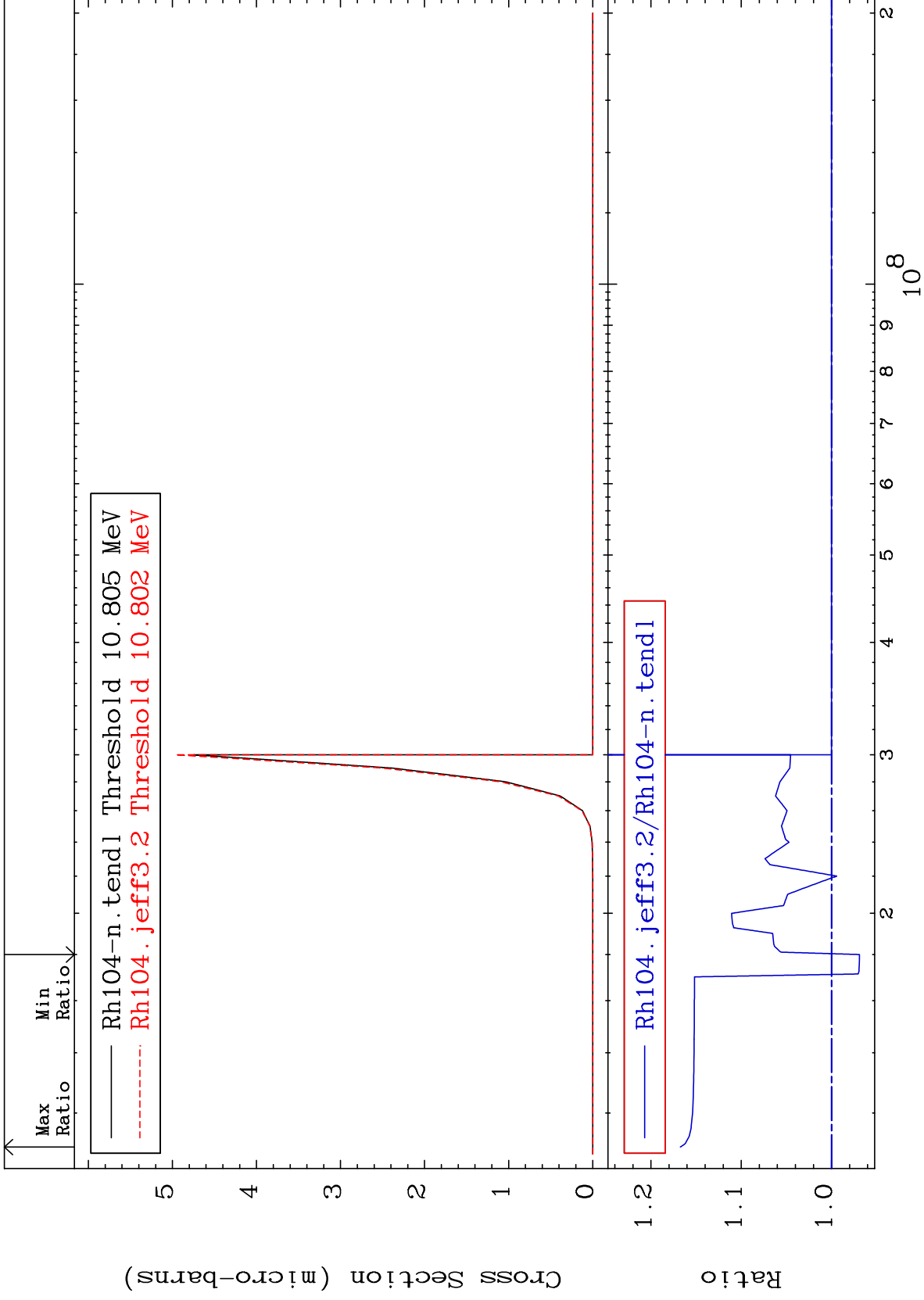
(n,2n) p  
Cross Section

45-Rh-104  
-52.43 To 10.31 %



18

45-Rh-104



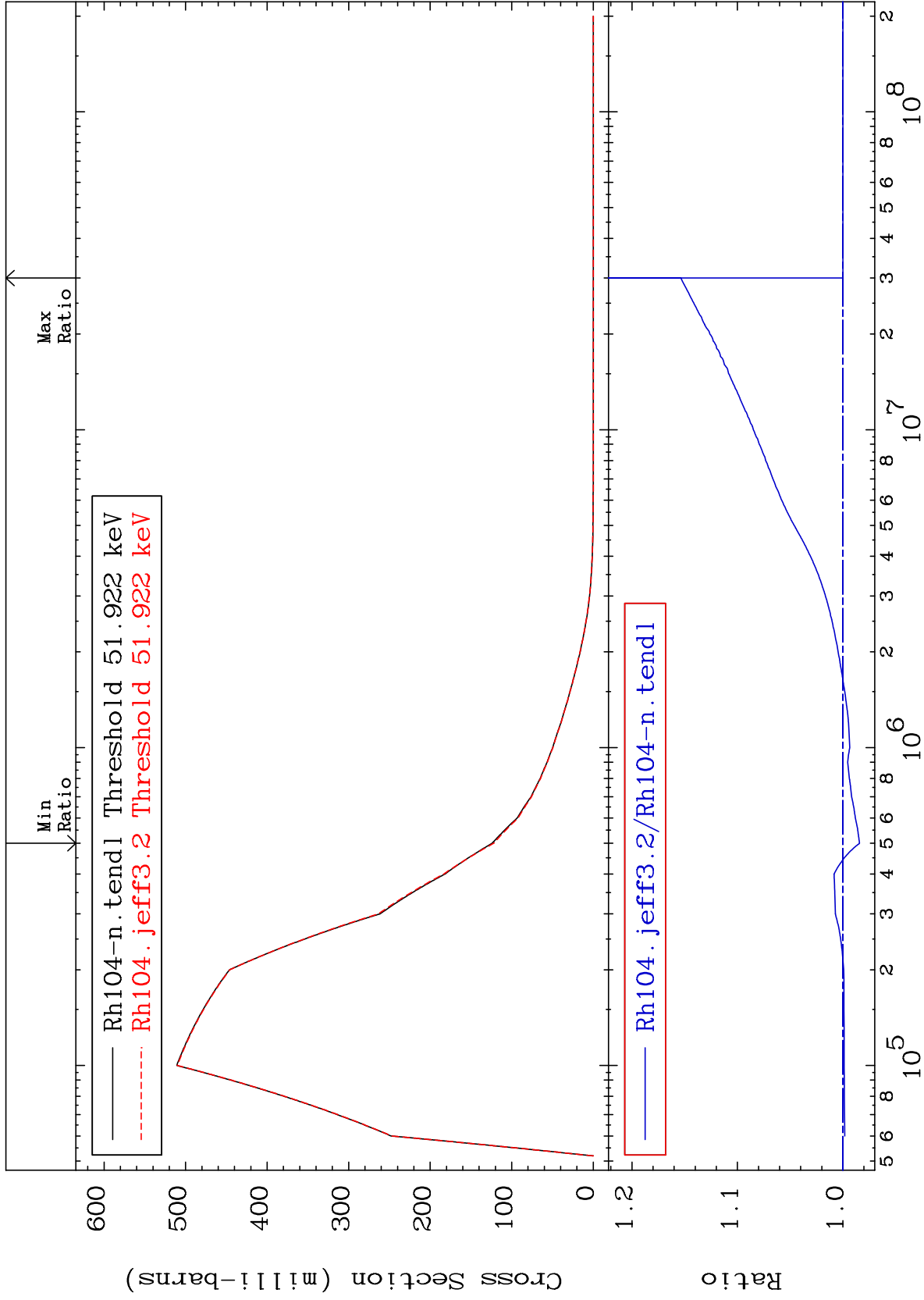
MAT 4528

51.42 keV (n,n') Level

45-Rh-104

Cross Section

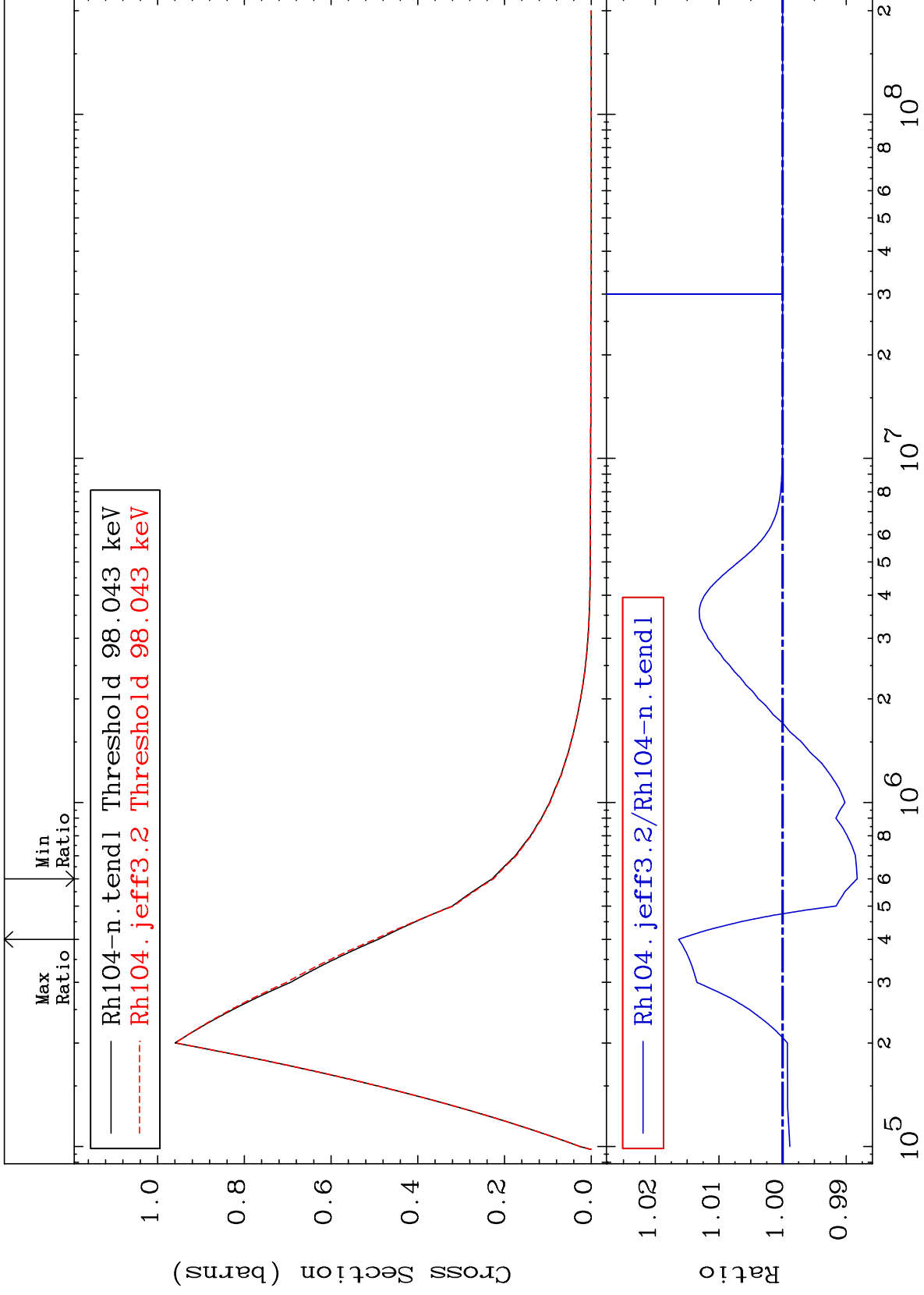
-1.582 To 15.37 %



MAT 4528

97.10 keV (n,n') Level  
Cross Section

45-Rh-104  
-1.173 To 1.634 %

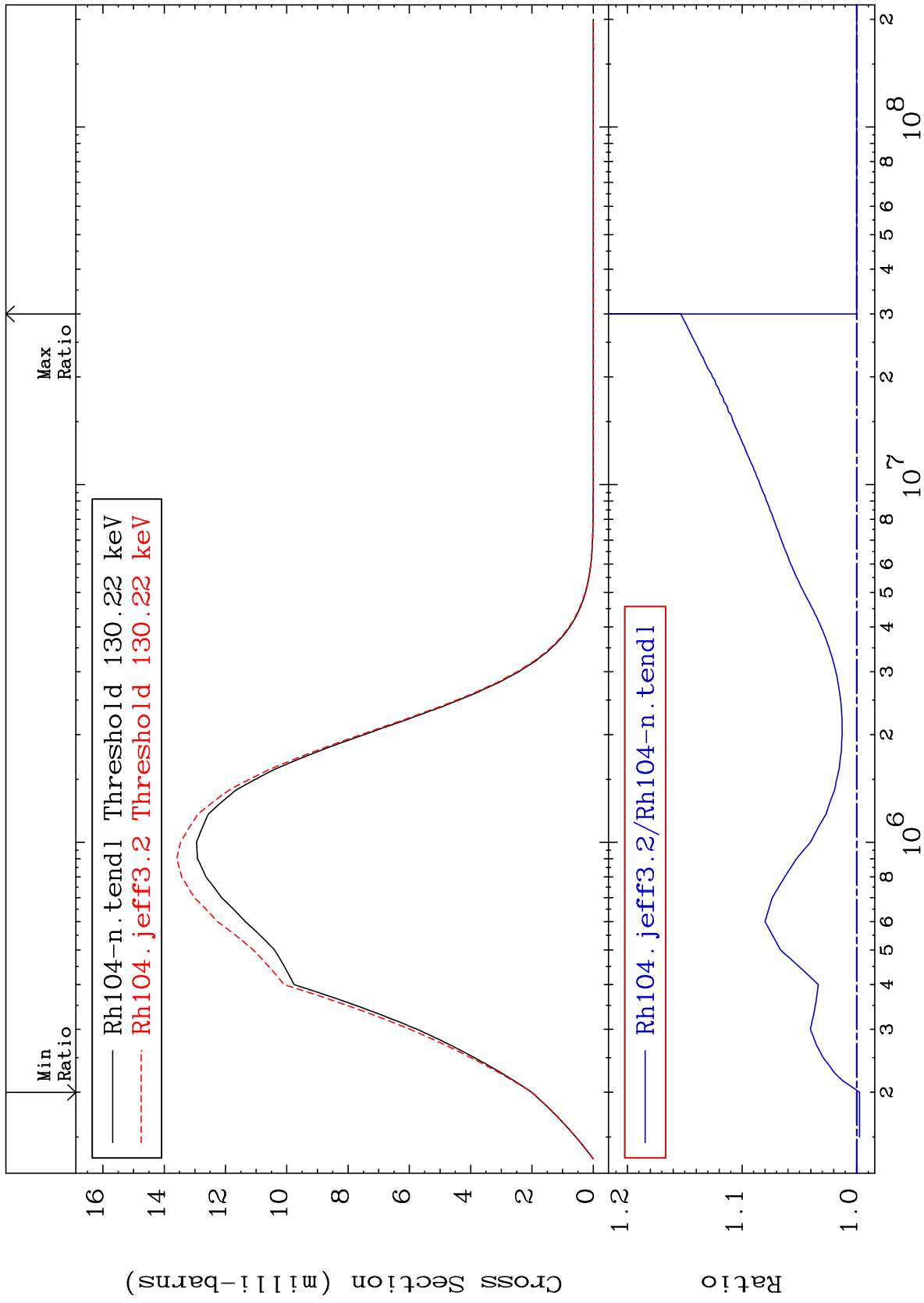


21

Incident Energy (eV)

45-Rh-104

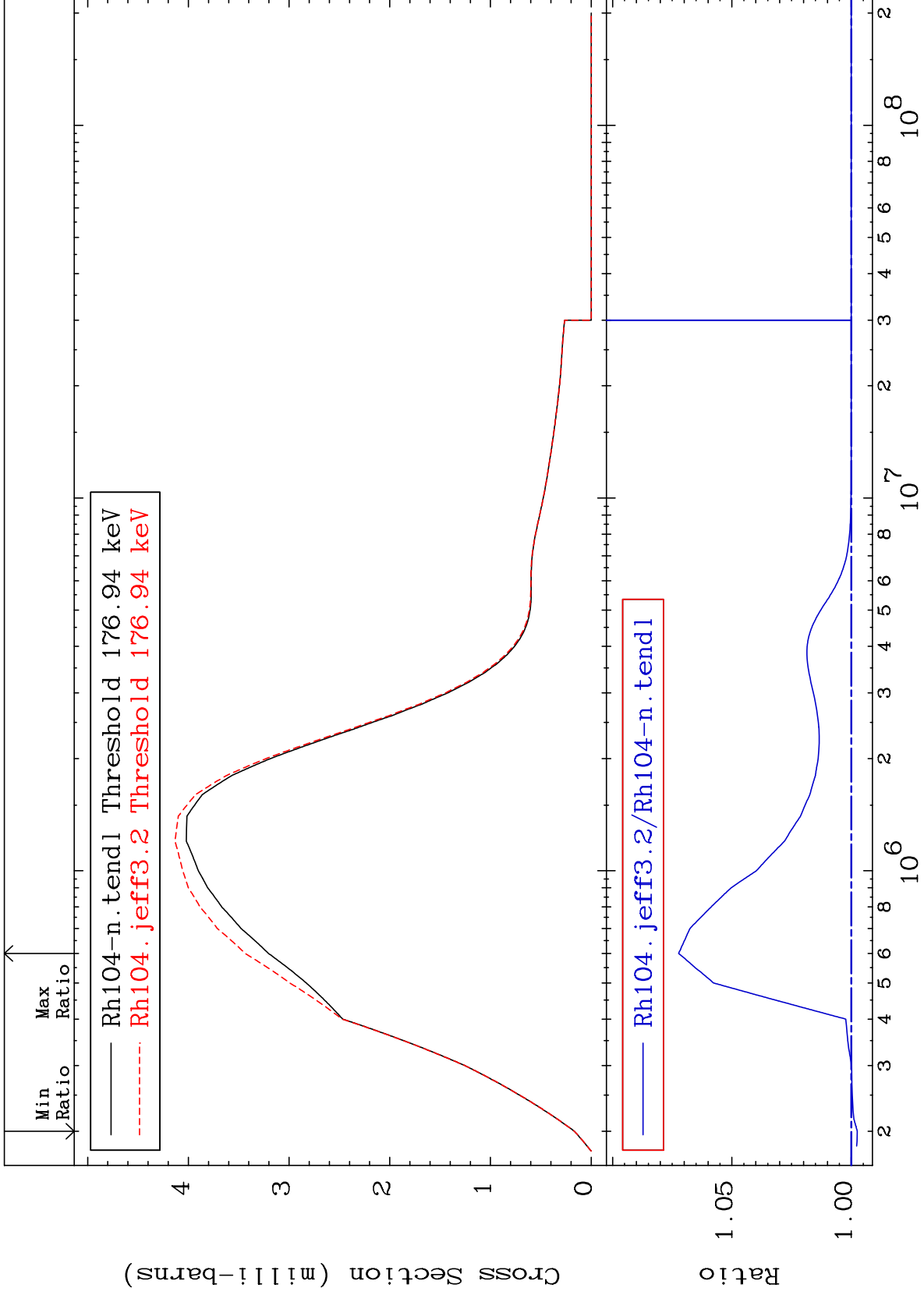
MAT 4528      129.0 keV (n,n') Level      45-Rh-104  
 Cross Section      -0.246 To 15.35 %



MAT 4528

175.2 keV (n,n') Level  
Cross Section

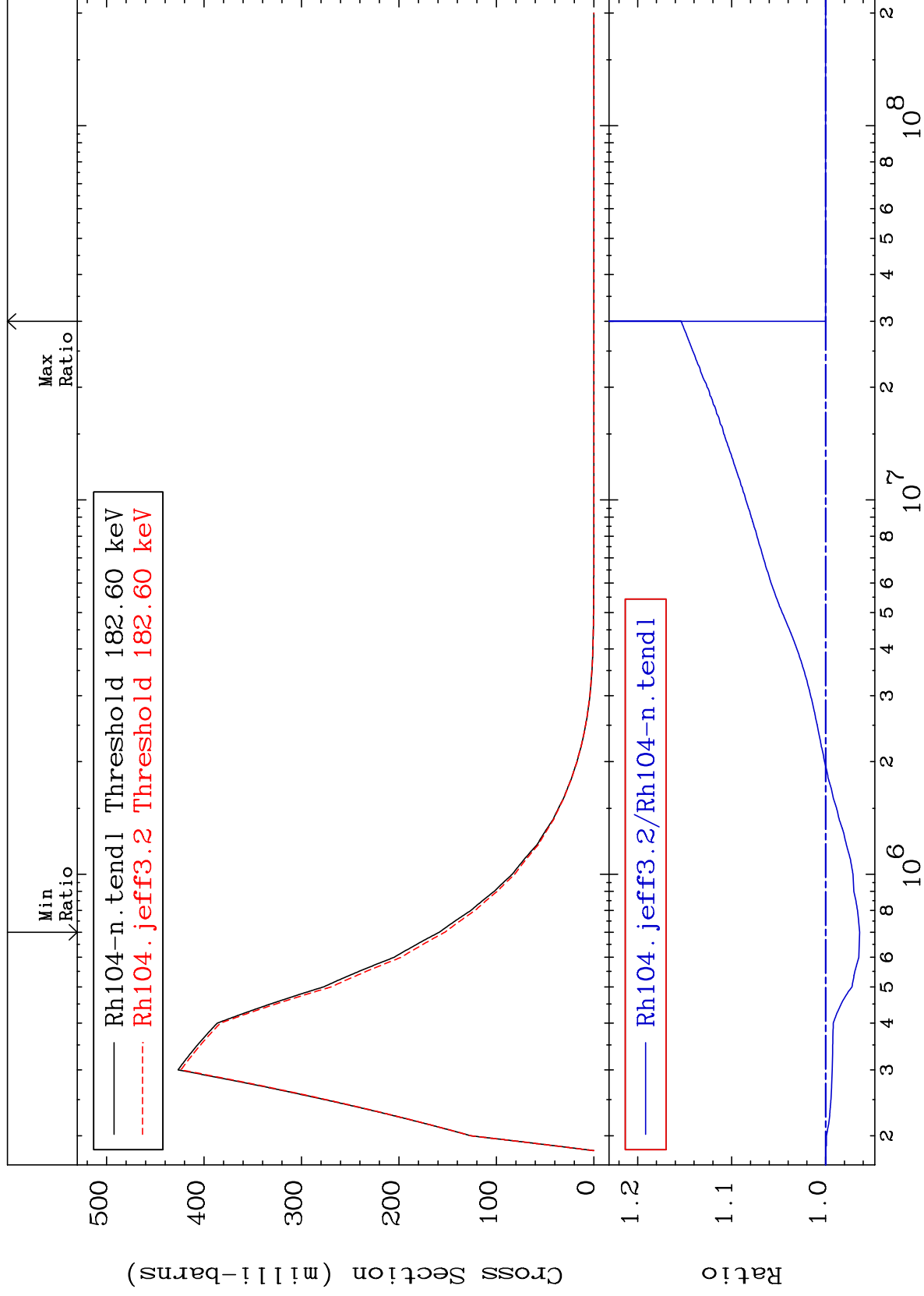
45-Rh-104  
-0.250 To 7.232 %



MAT 4528

180.8 keV (n,n') Level  
Cross Section

45-Rh-104  
-3.617 To 15.37 %

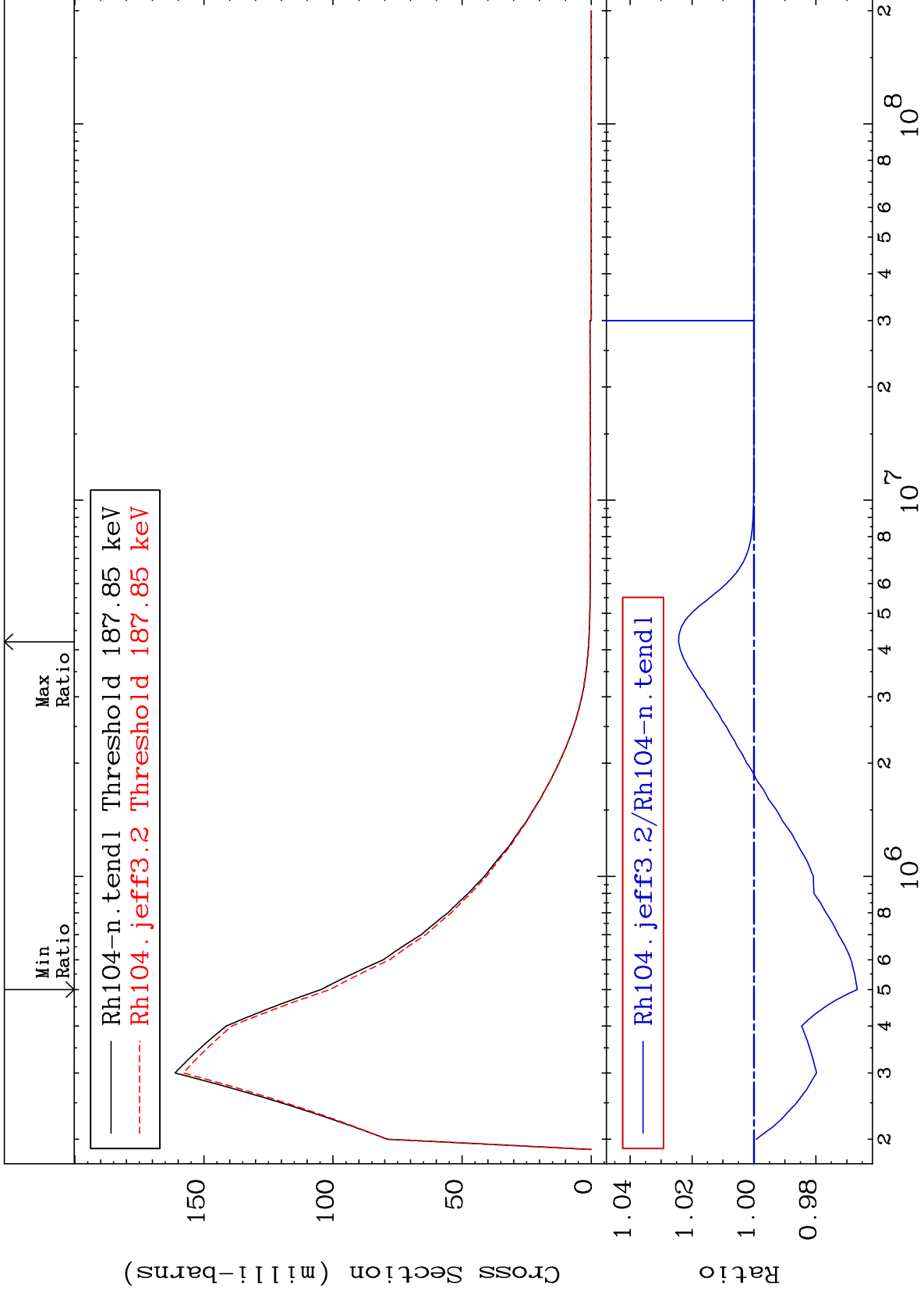




MAT 4528

186.0 keV (n,n') Level  
Cross Section

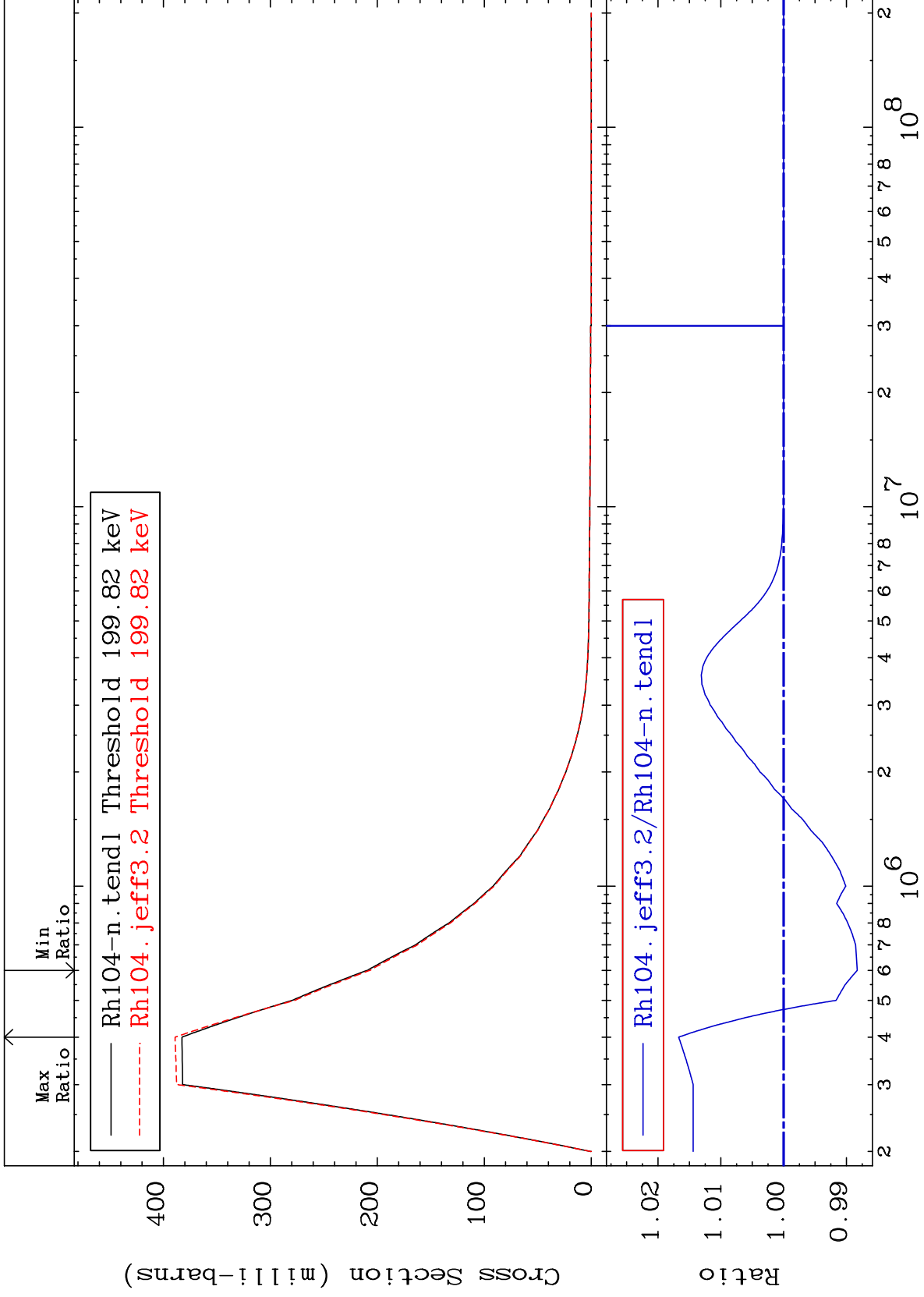
45-Rh-104  
-3.337 To 2.433 %



MAT 4528

197.9 keV (n,n') Level  
Cross Section

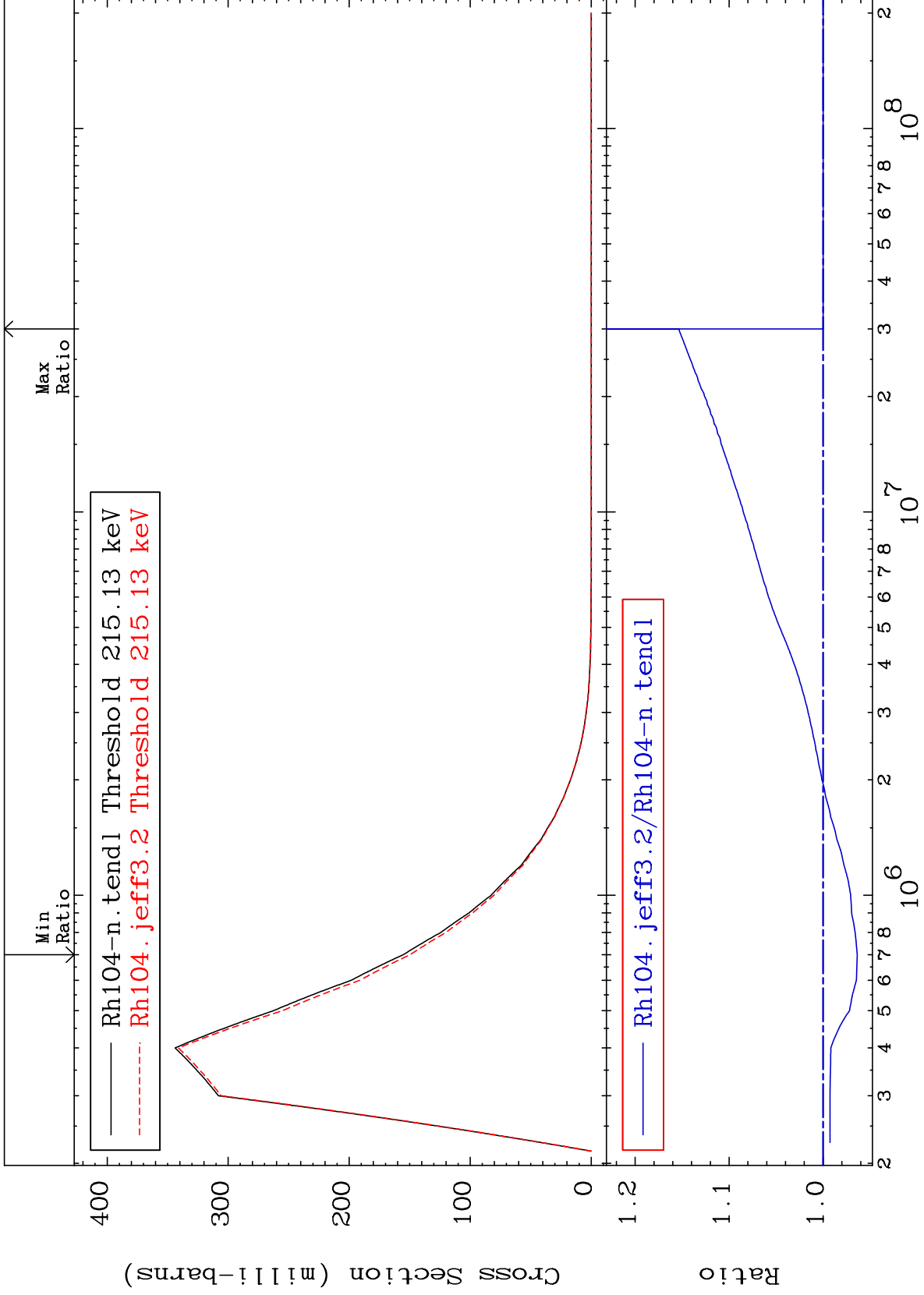
45-Rh-104  
-1.171 To 1.672 %



MAT 4528

213.1 keV (n,n') Level  
Cross Section

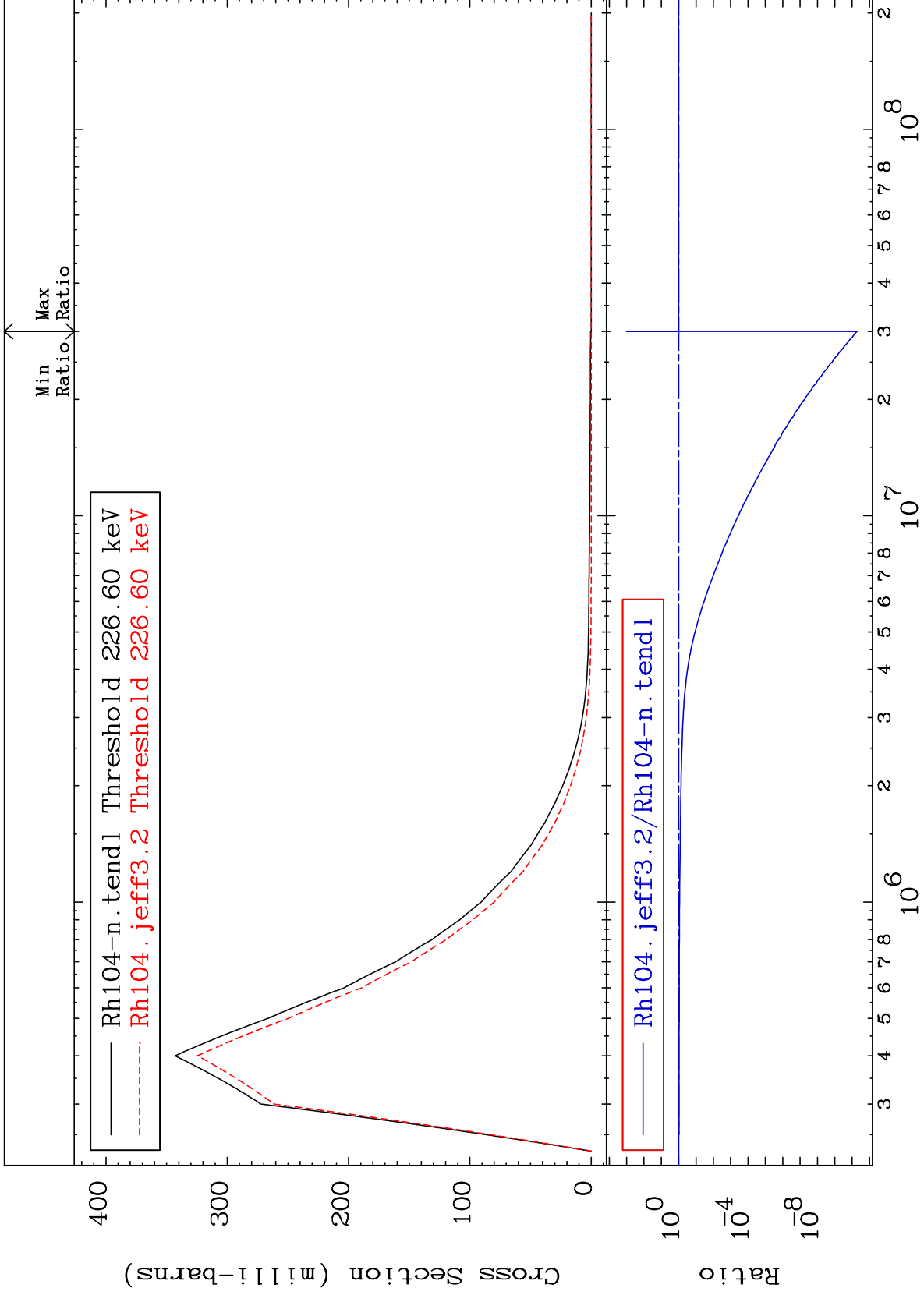
45-Rh-104  
-3.635 To 15.37 %



MAT 4528

224.4 keV (n,n') Level  
Cross Section

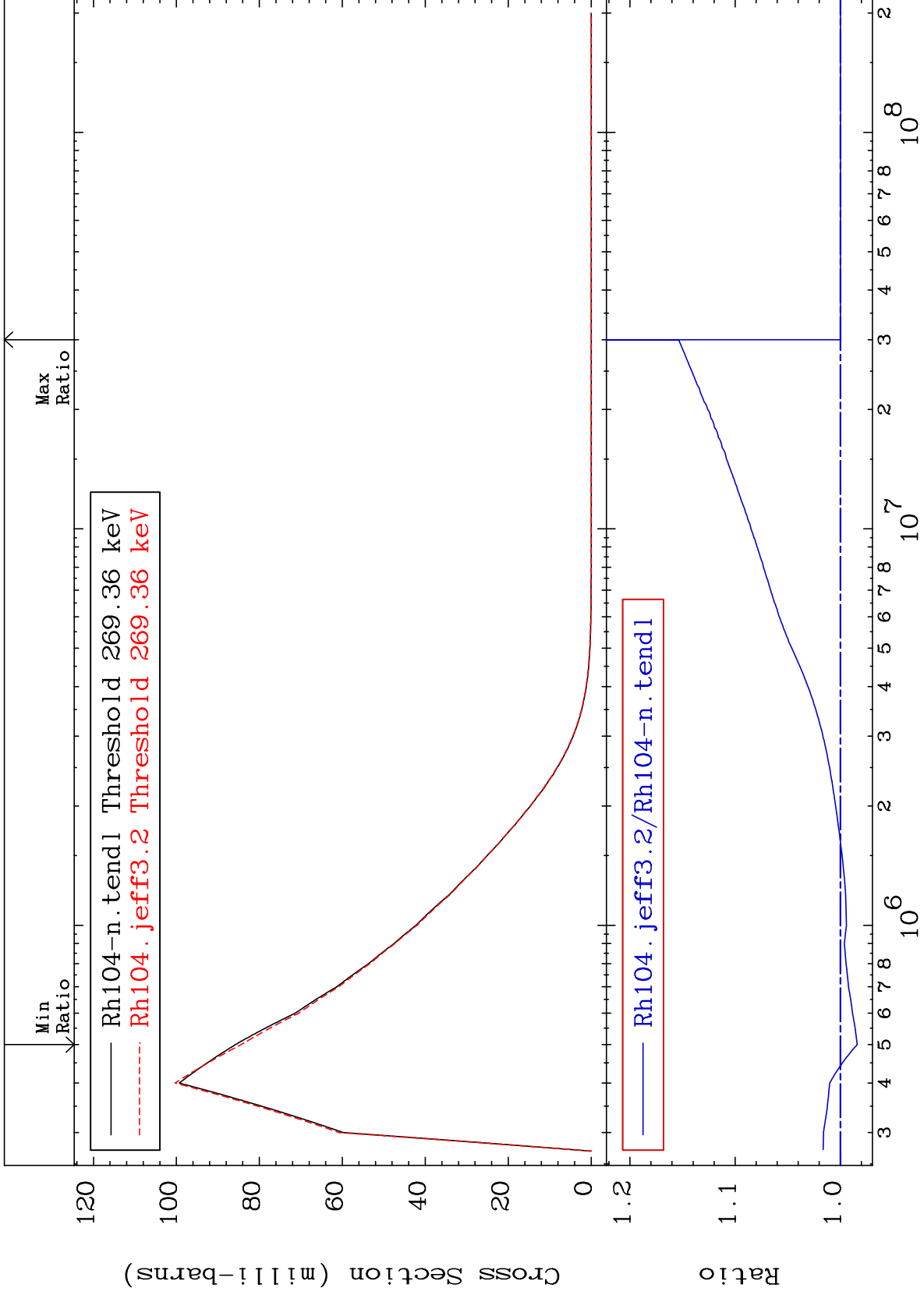
45-Rh-104  
-100.0 To 0.000 %



MAT 4528

266.8 keV (n,n') Level  
Cross Section

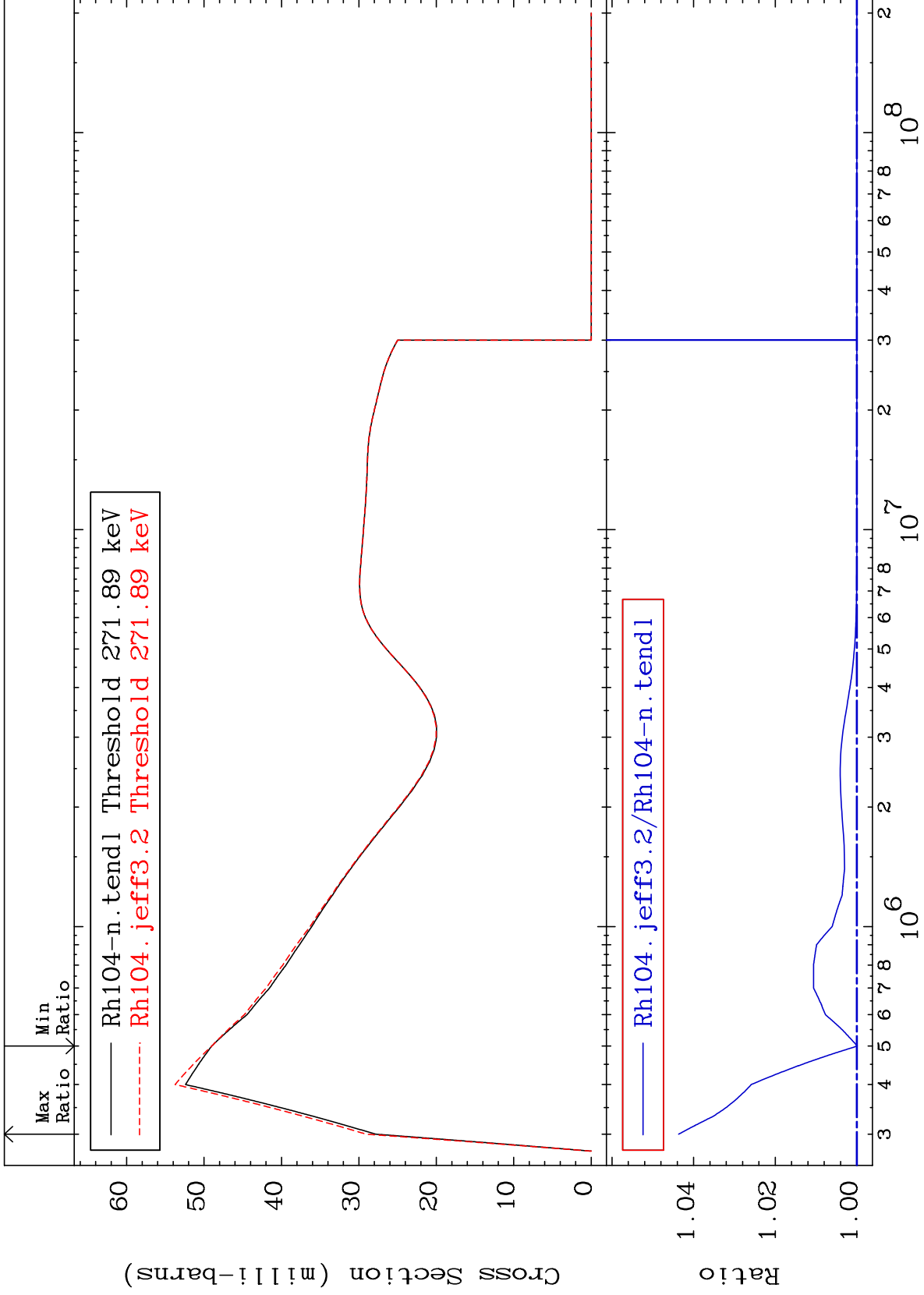
45-Rh-104  
-1.610 To 15.37 %



MAT 4528

269.3 keV (n,n') Level  
Cross Section

45-Rh-104  
-0.010 To 4.368 %



30

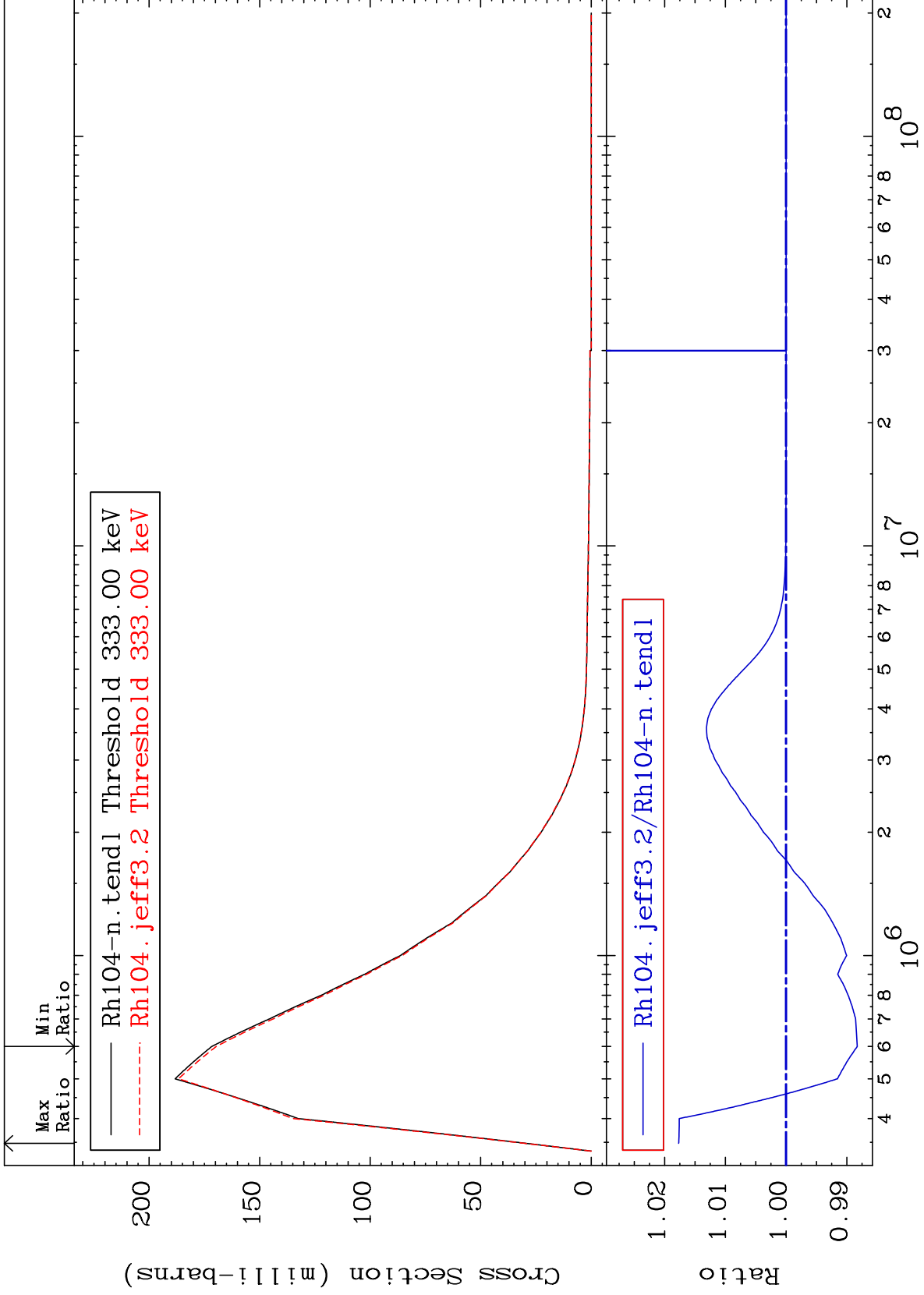
Incident Energy (eV)

45-Rh-104

MAT 4528

329.8 keV (n,n') Level  
Cross Section

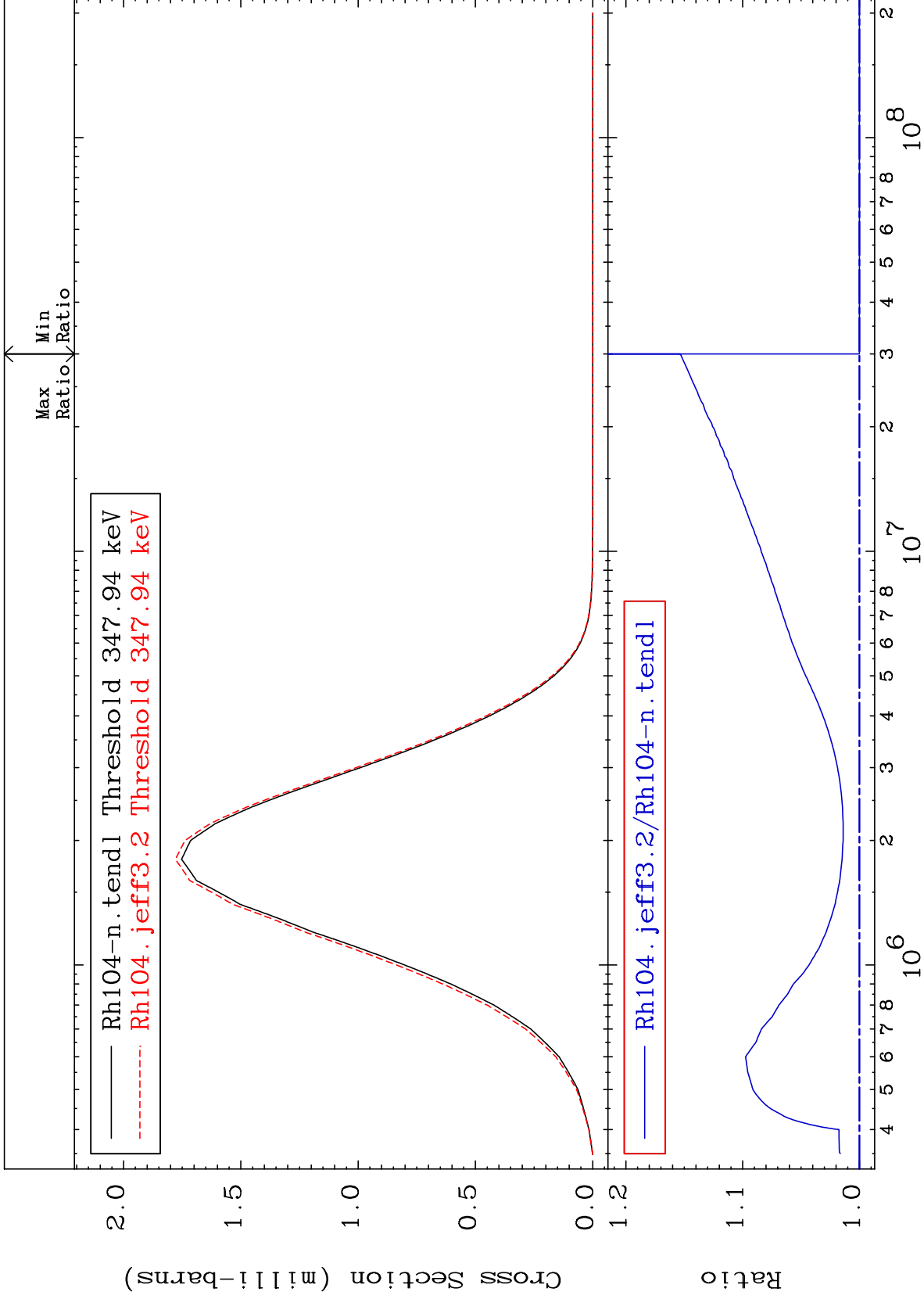
45-Rh-104  
-1.173 To 1.768 %



MAT 4528

344.6 keV (n,n') Level  
Cross Section

45-Rh-104  
0.000 To 15.34 %

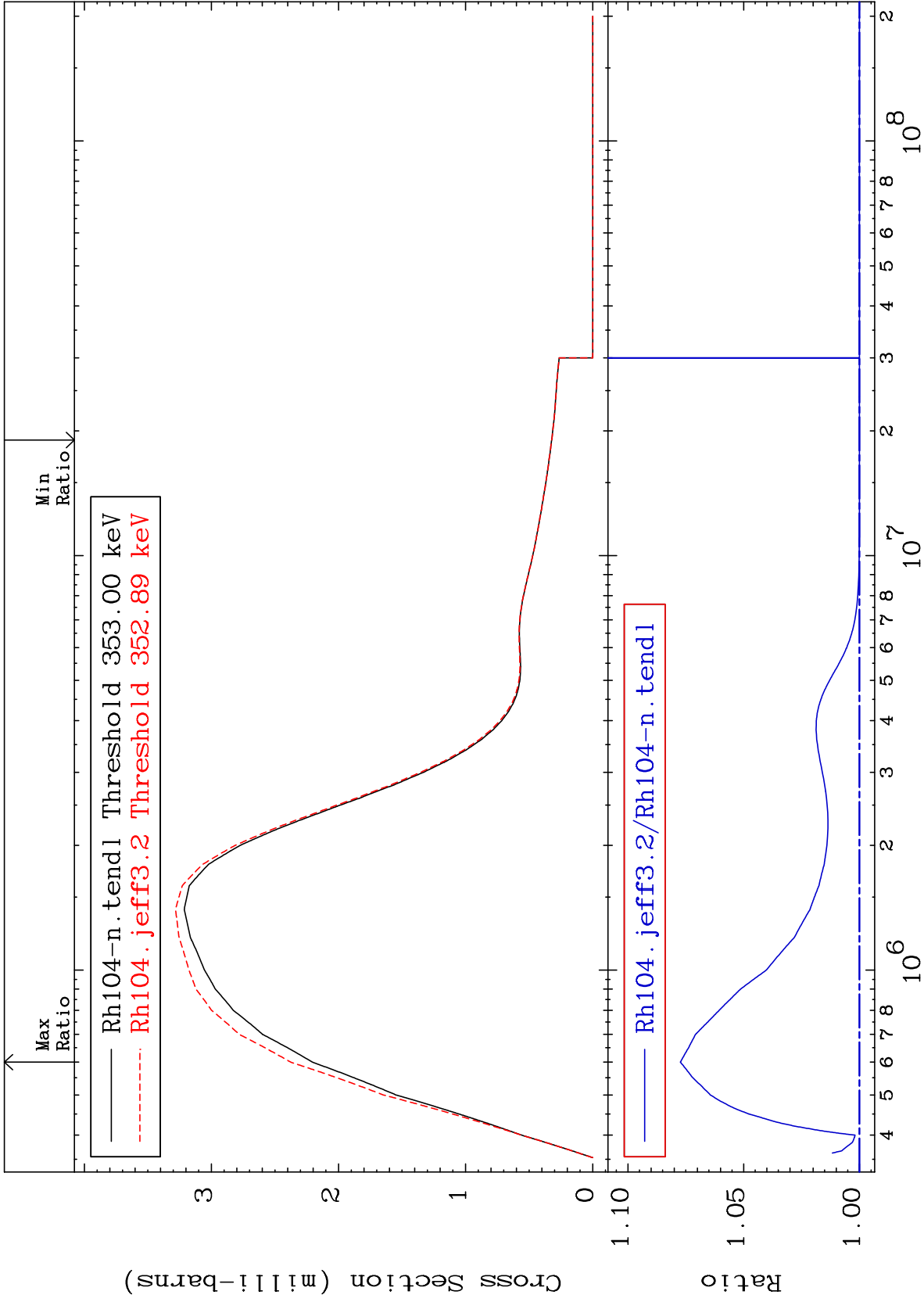




MAT 4528

349.6 keV (n,n') Level  
Cross Section

45-Rh-104  
0.000 To 7.734 %

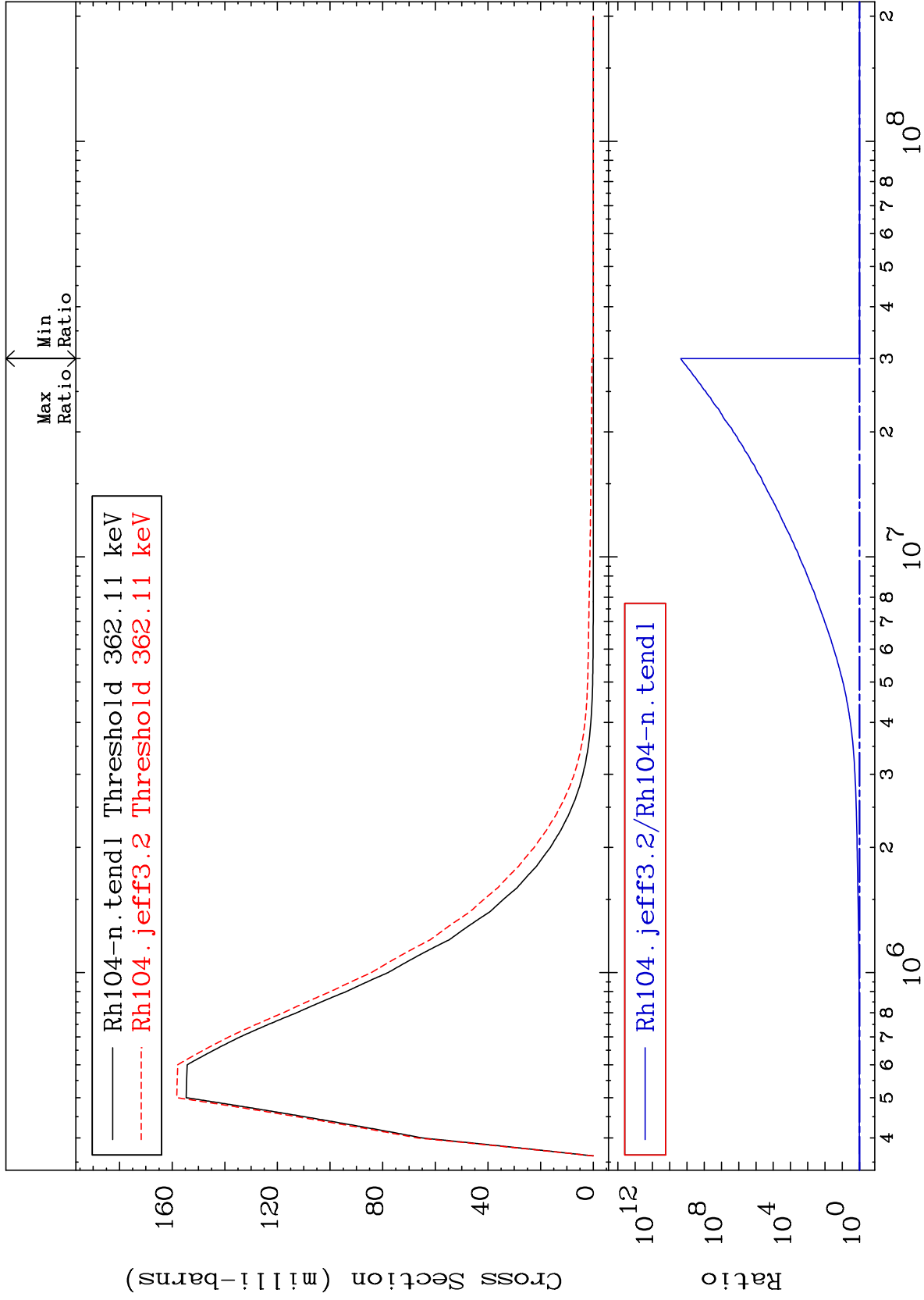


MAT 4528

358.6 keV (n,n') Level

45-Rh-104

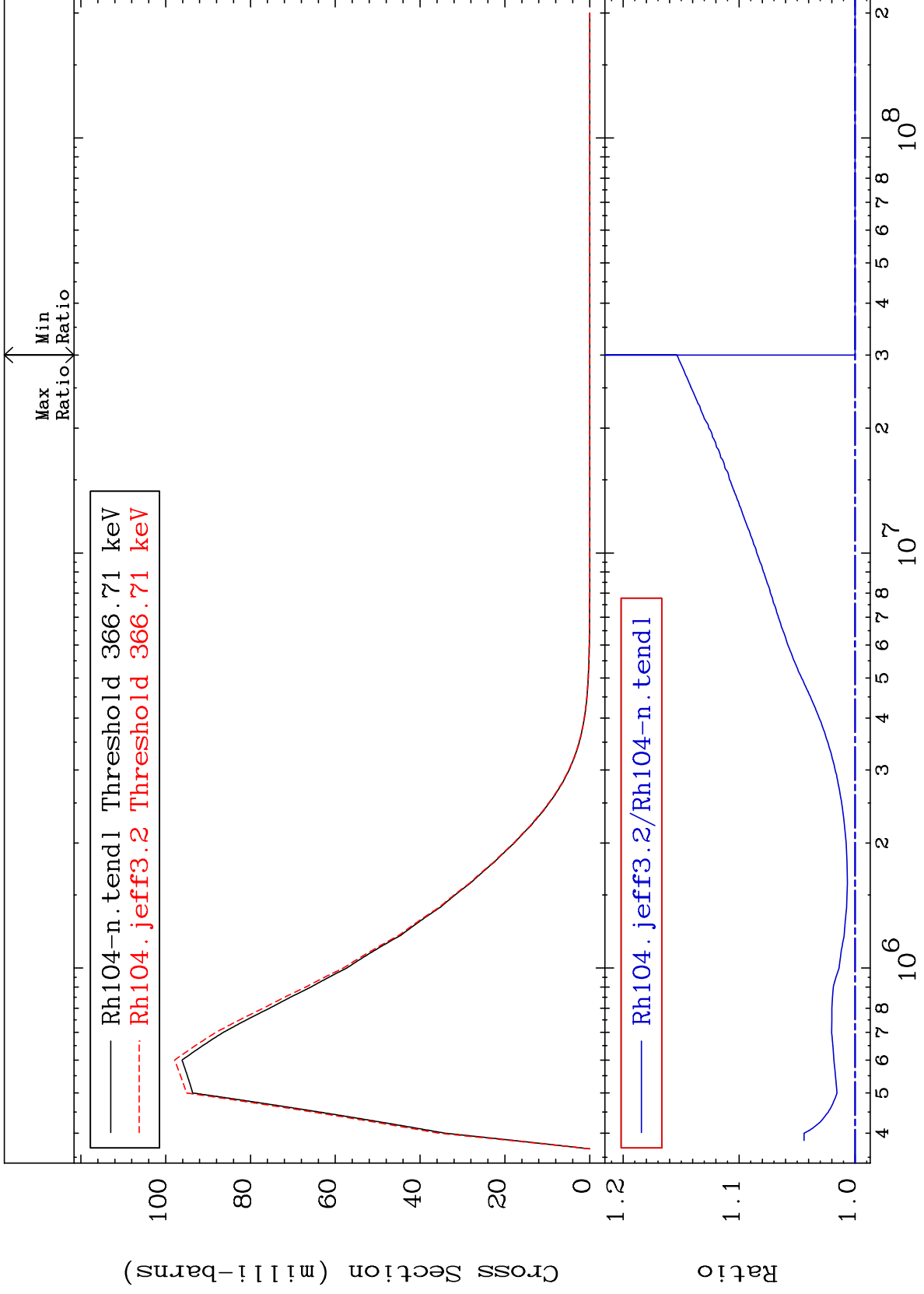
Cross Section To 9999. %



MAT 4528

363.2 keV (n,n') Level  
Cross Section

45-Rh-104  
0.000 To 15.36 %

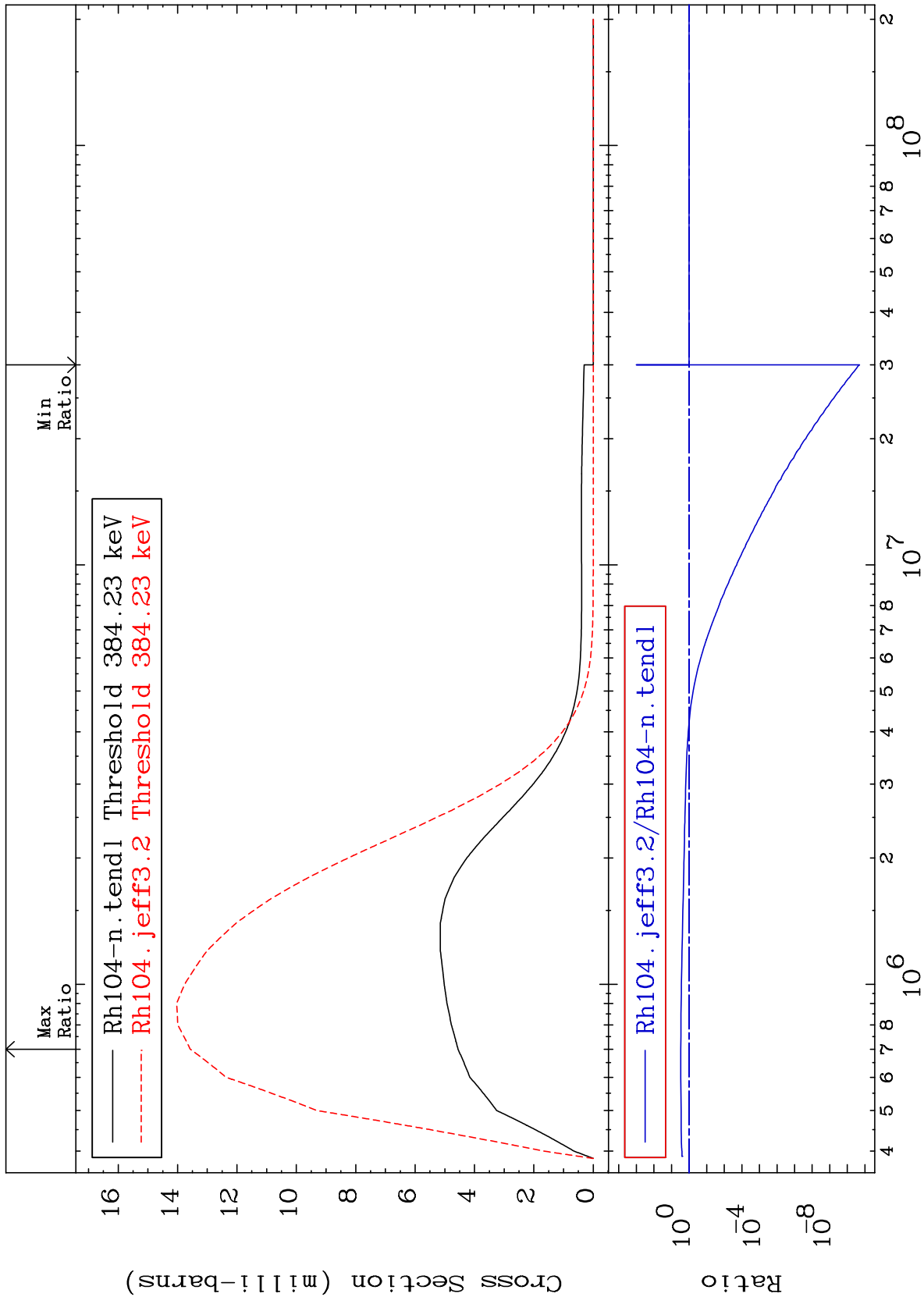


35

Incident Energy (eV)

45-Rh-104

MAT 4528      380.5 keV (n,n') Level      45-Rh-104  
 Cross Section      -100.0 To 198.0 %

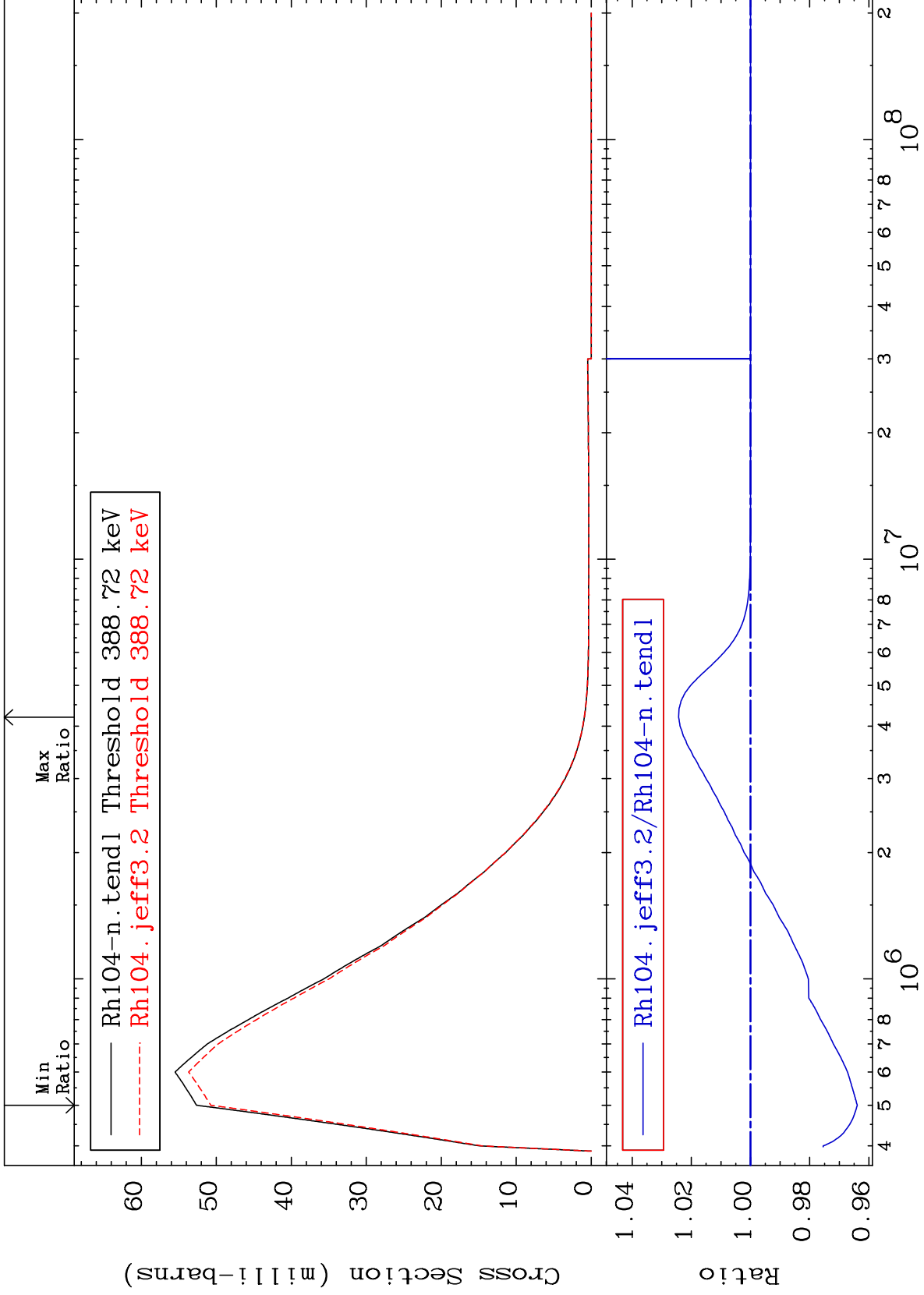


36      Incident Energy (eV)      45-Rh-104

MAT 4528

385.0 keV (n,n') Level  
Cross Section

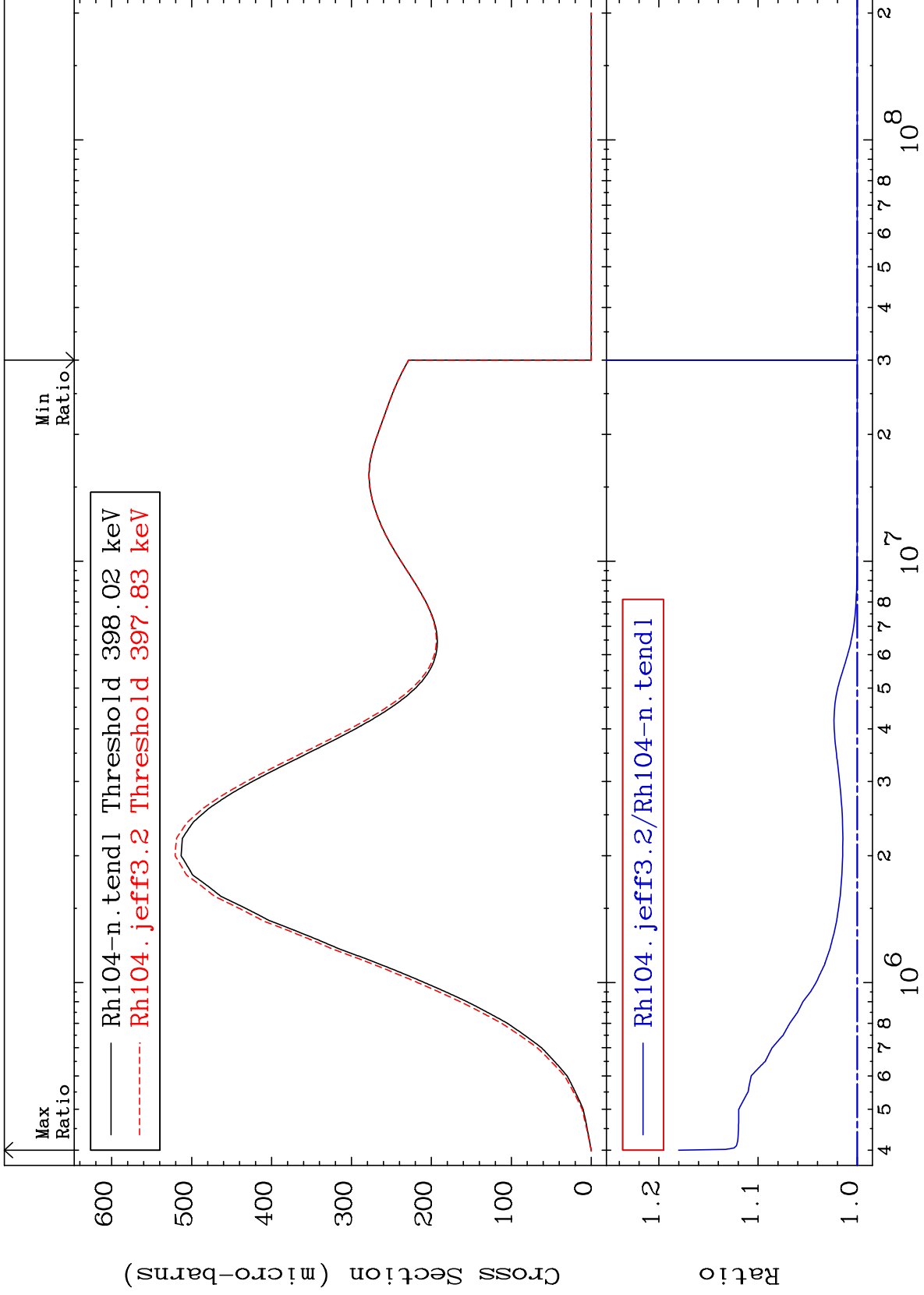
45-Rh-104  
-3.607 To 2.430 %



MAT 4528

394.2 keV (n,n') Level  
Cross Section

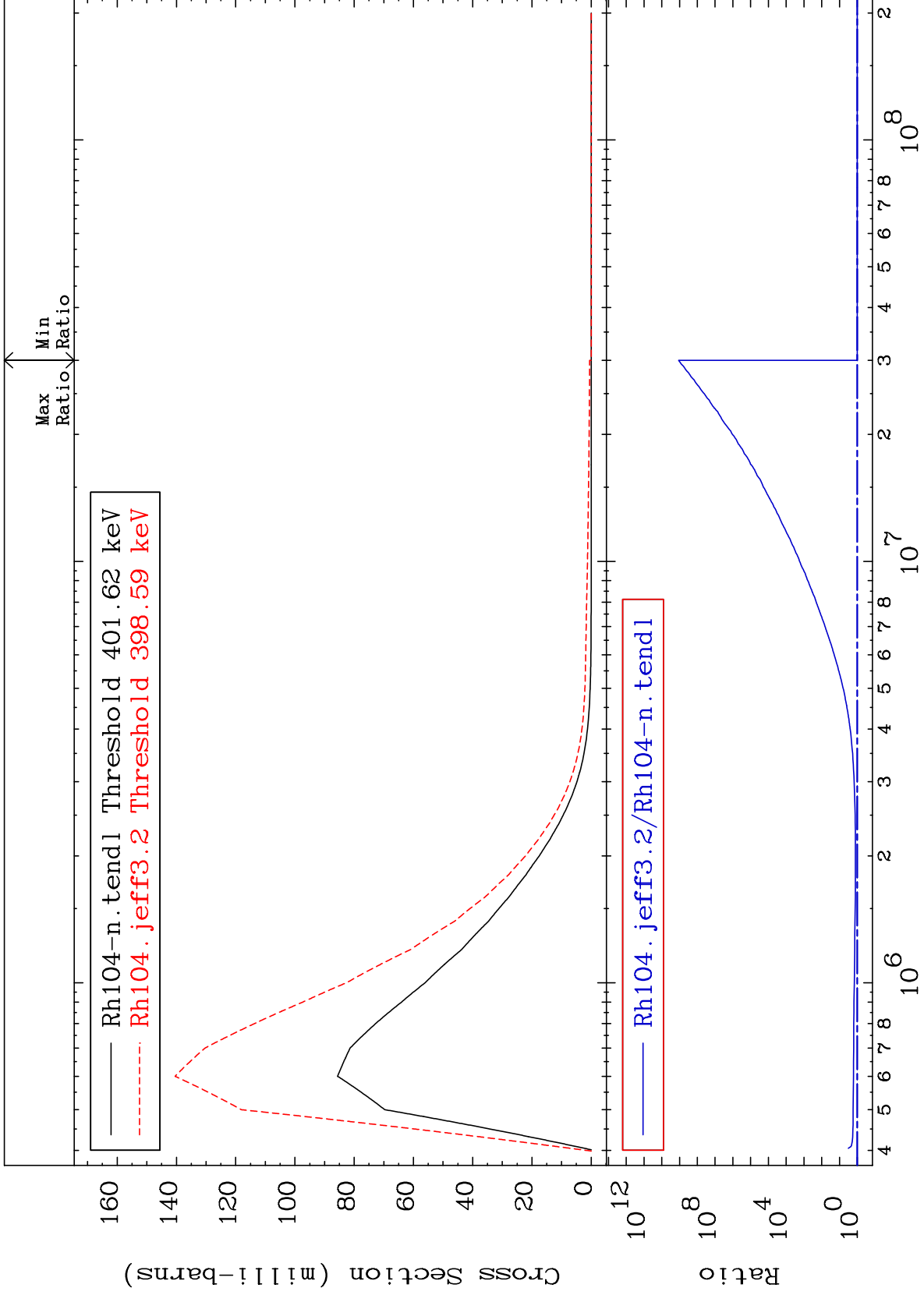
45-Rh-104  
0.000 To 18.01 %



MAT 4528

397.8 keV (n,n') Level  
Cross Section

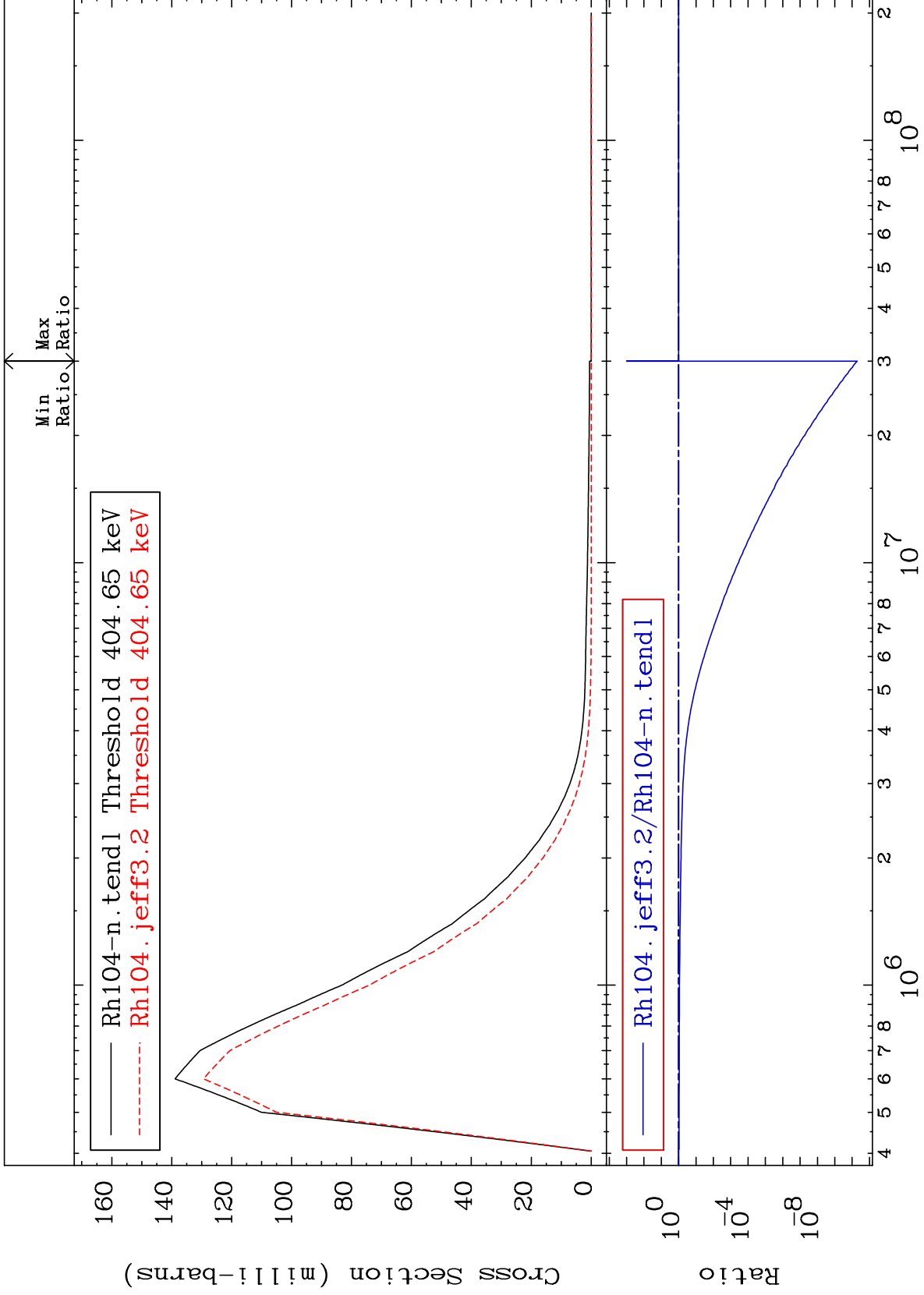
45-Rh-104  
To 9999. %  
0.000



MAT 4528

400.8 keV (n,n') Level  
Cross Section

45-Rh-104  
-100.0 To 0.000 %



40

Incident Energy (eV)

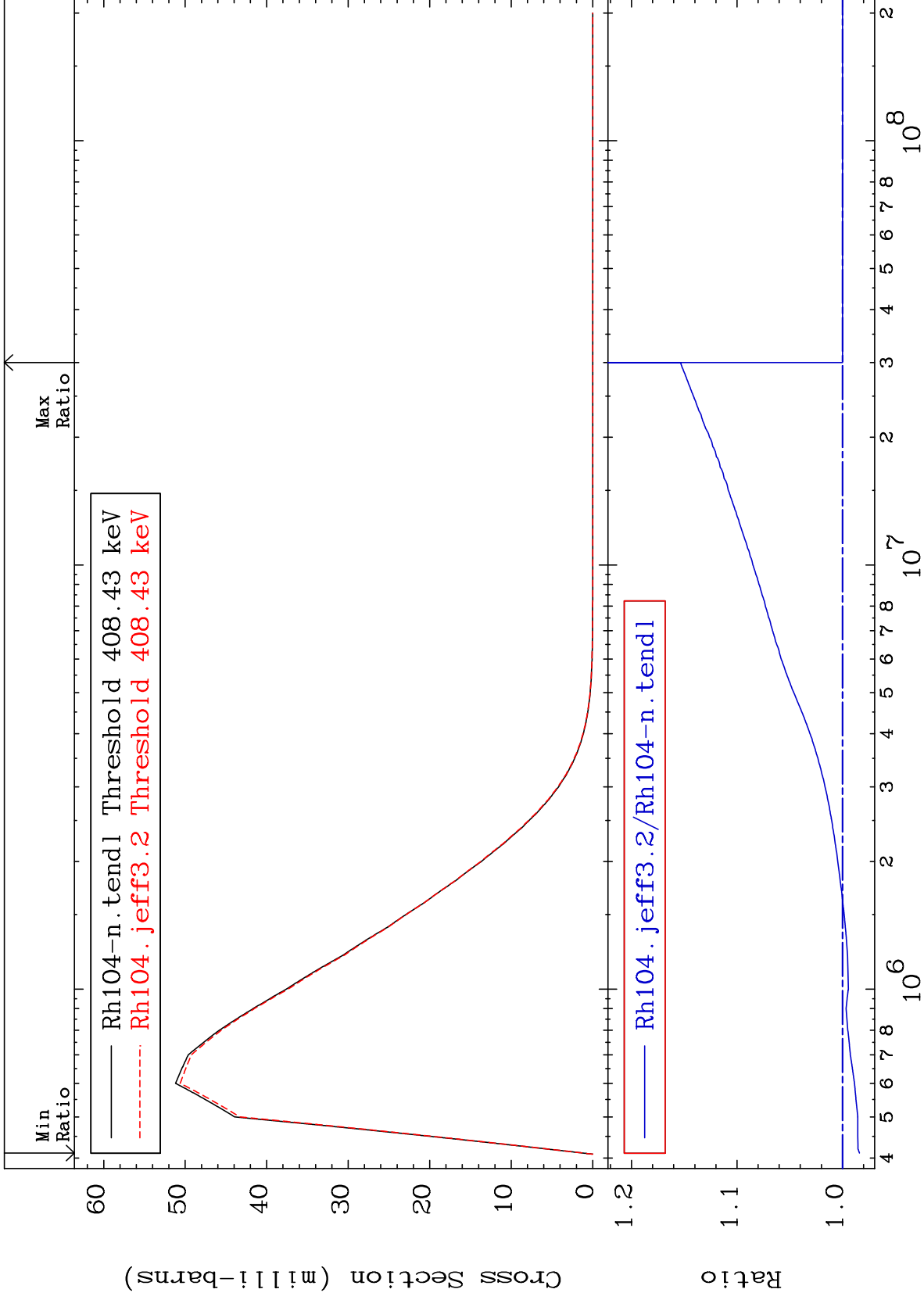
45-Rh-104



MAT 4528

404.5 keV (n,n') Level  
Cross Section

45-Rh-104  
-1.606 To 15.37 %

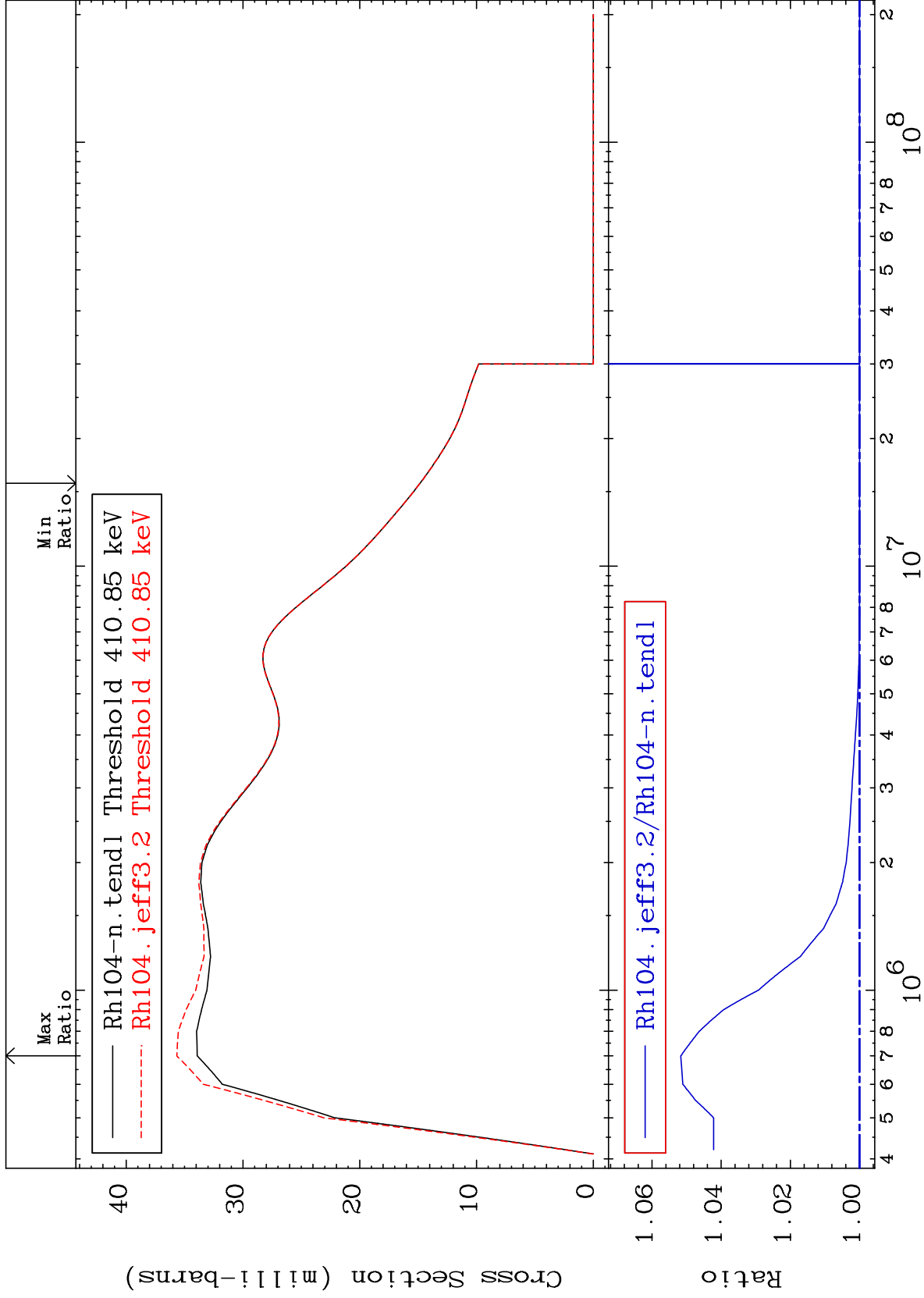


MAT 4528

406.9 keV (n,n') Level

45-Rh-104

Cross Section  
0.000 To 5.169 %

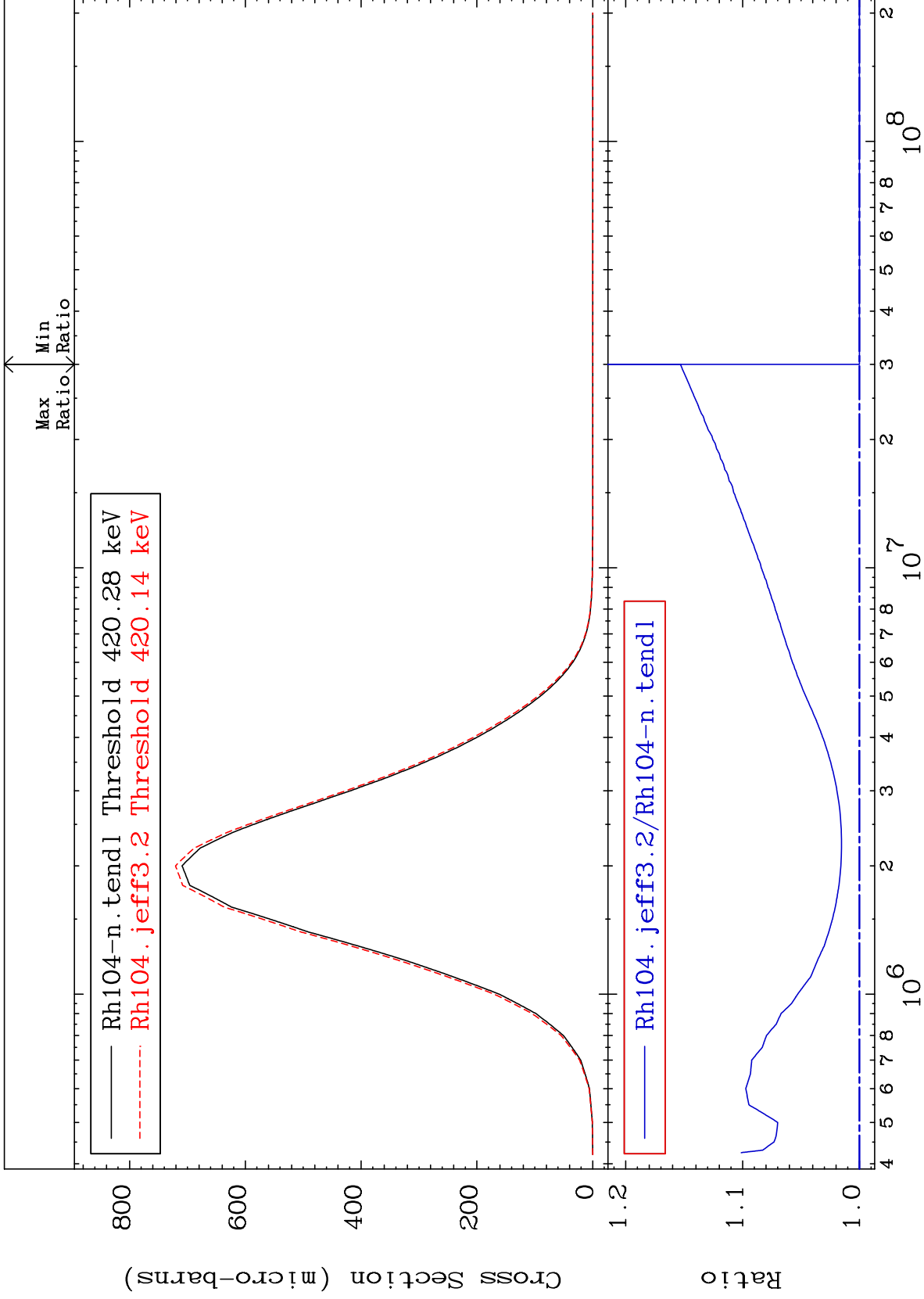


42

MAT 4528

416.2 keV (n,n') Level  
Cross Section

45-Rh-104  
0.000 To 15.33 %



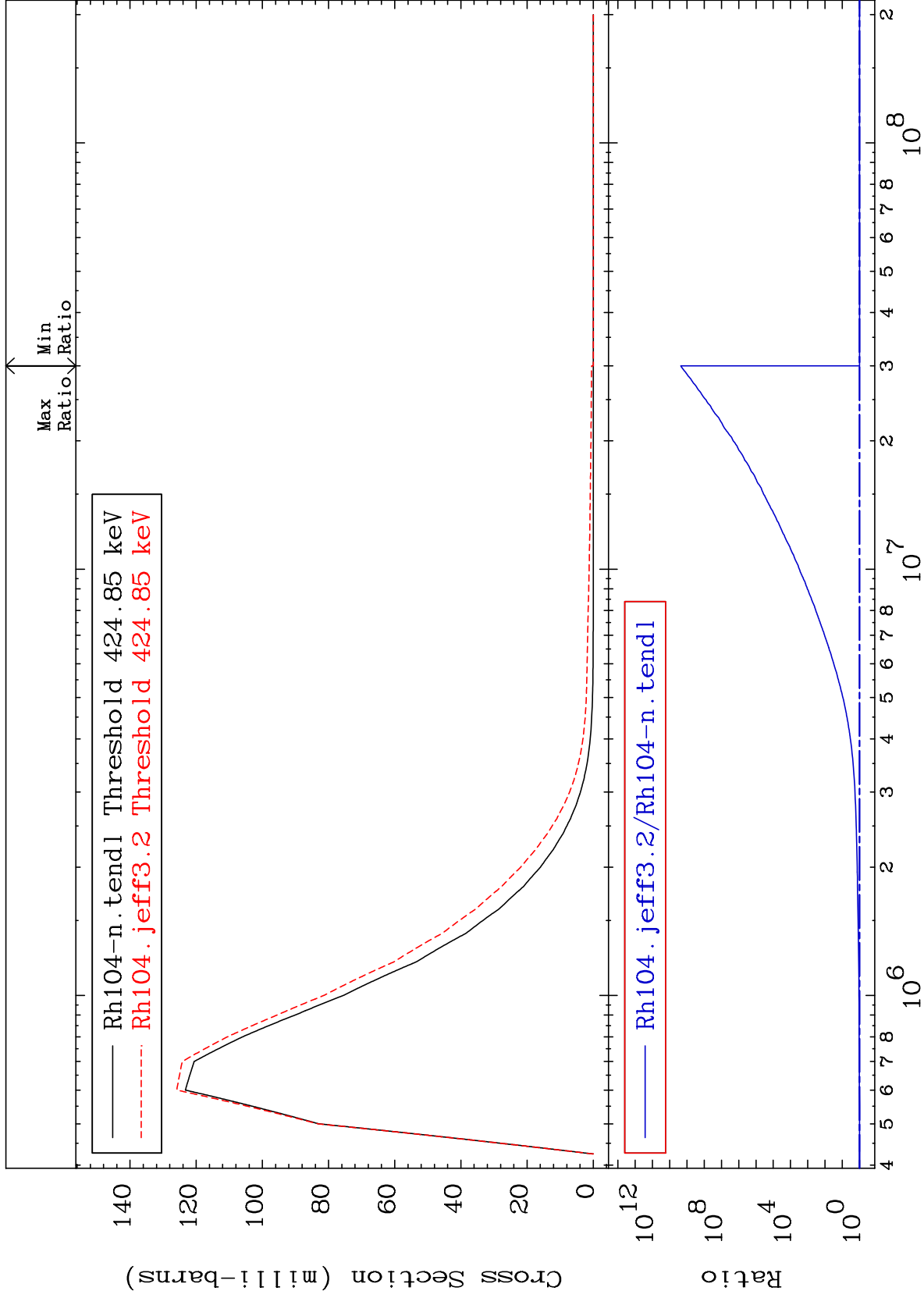
43

MAT 4528

420.8 keV (n,n') Level

45-Rh-104

Cross Section To 9999. %



44

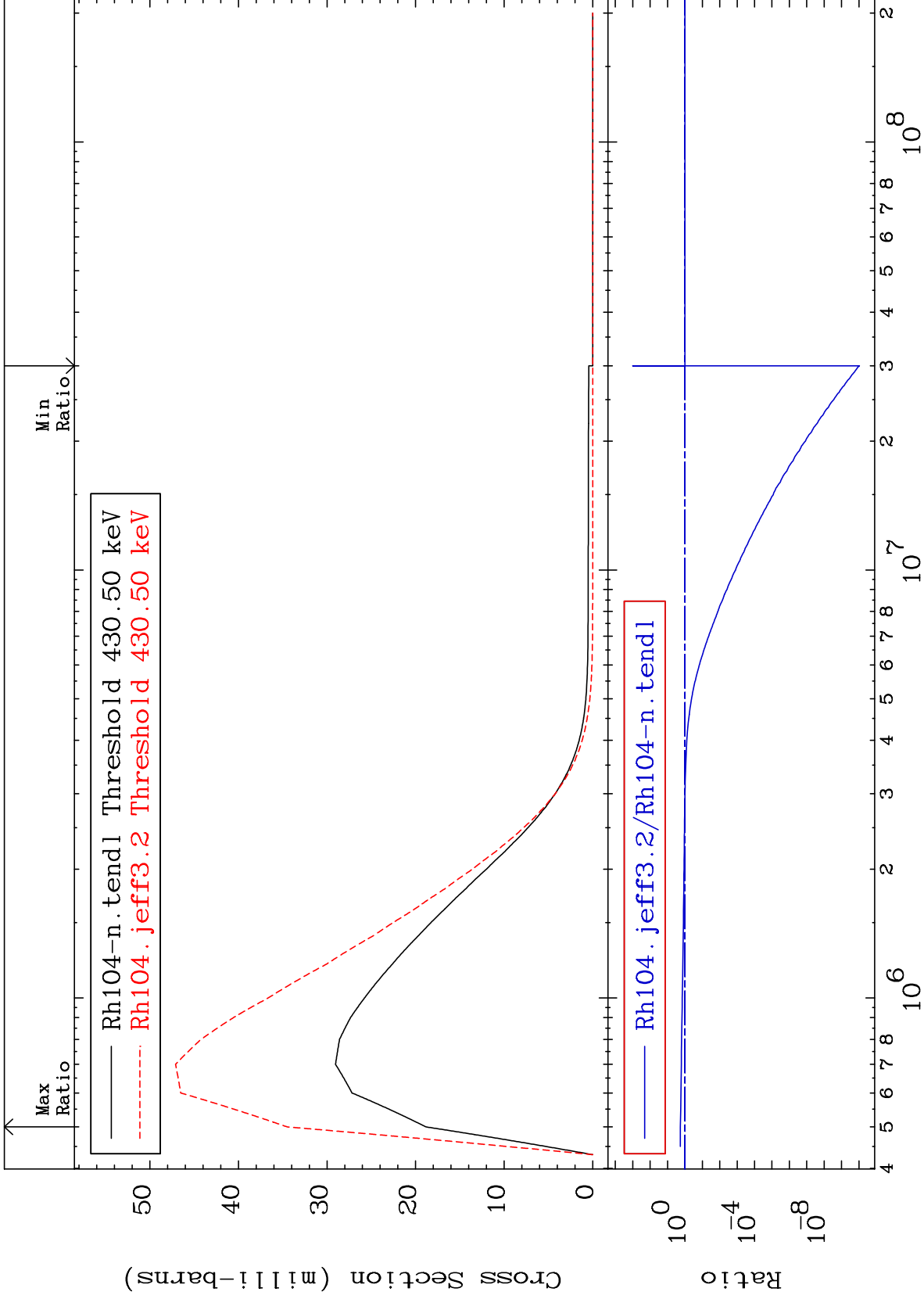
Incident Energy (eV)

45-Rh-104

MAT 4528

426.4 keV (n,n') Level  
Cross Section

45-Rh-104  
-100.0 To 83.27 %



45

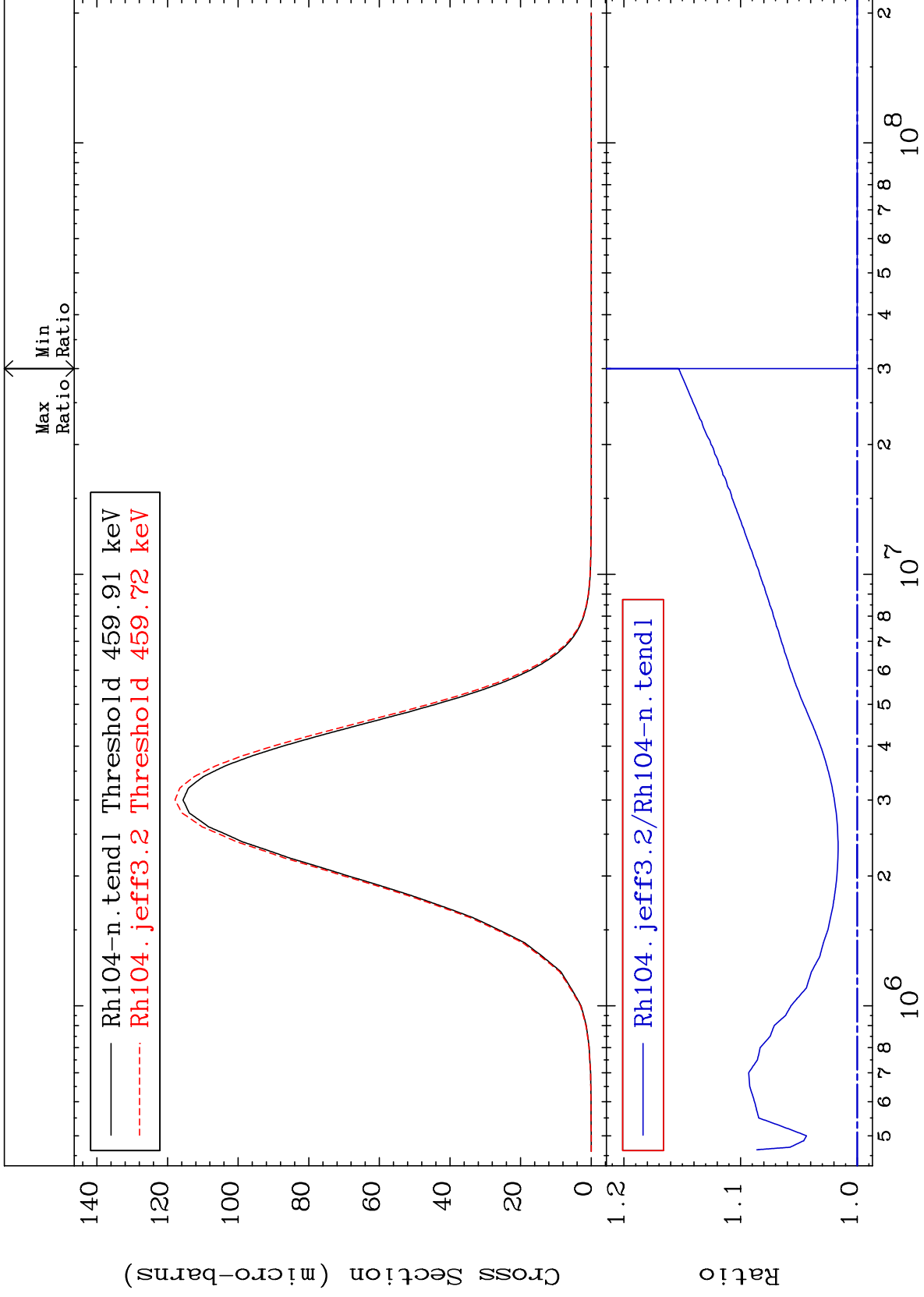
Incident Energy (eV)

45-Rh-104

MAT 4528

455.5 keV (n,n') Level  
Cross Section

45-Rh-104  
0.000 To 15.31 %

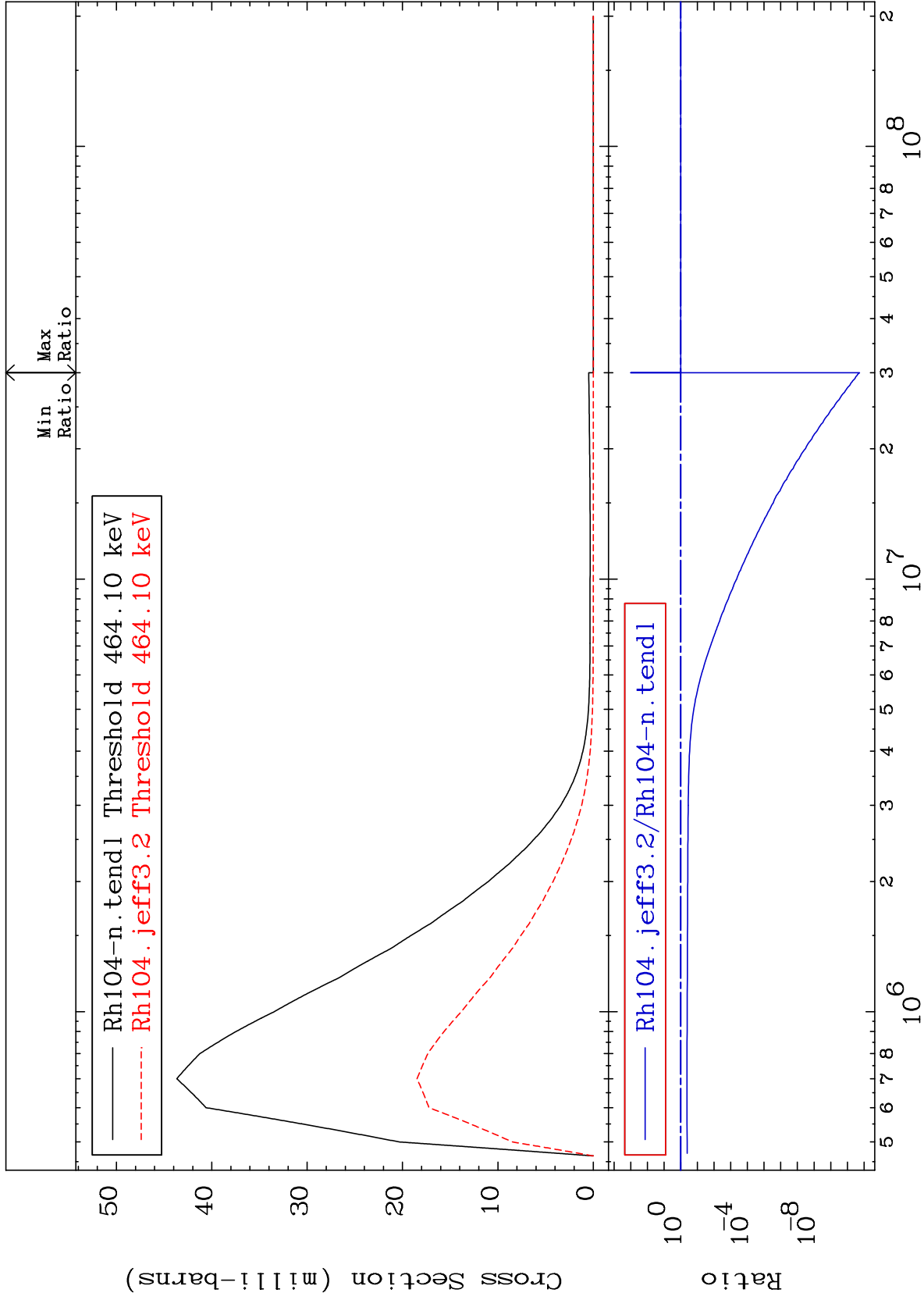


MAT 4528

459.6 keV (n,n') Level

45-Rh-104

-100.0 To 0.000 %



47

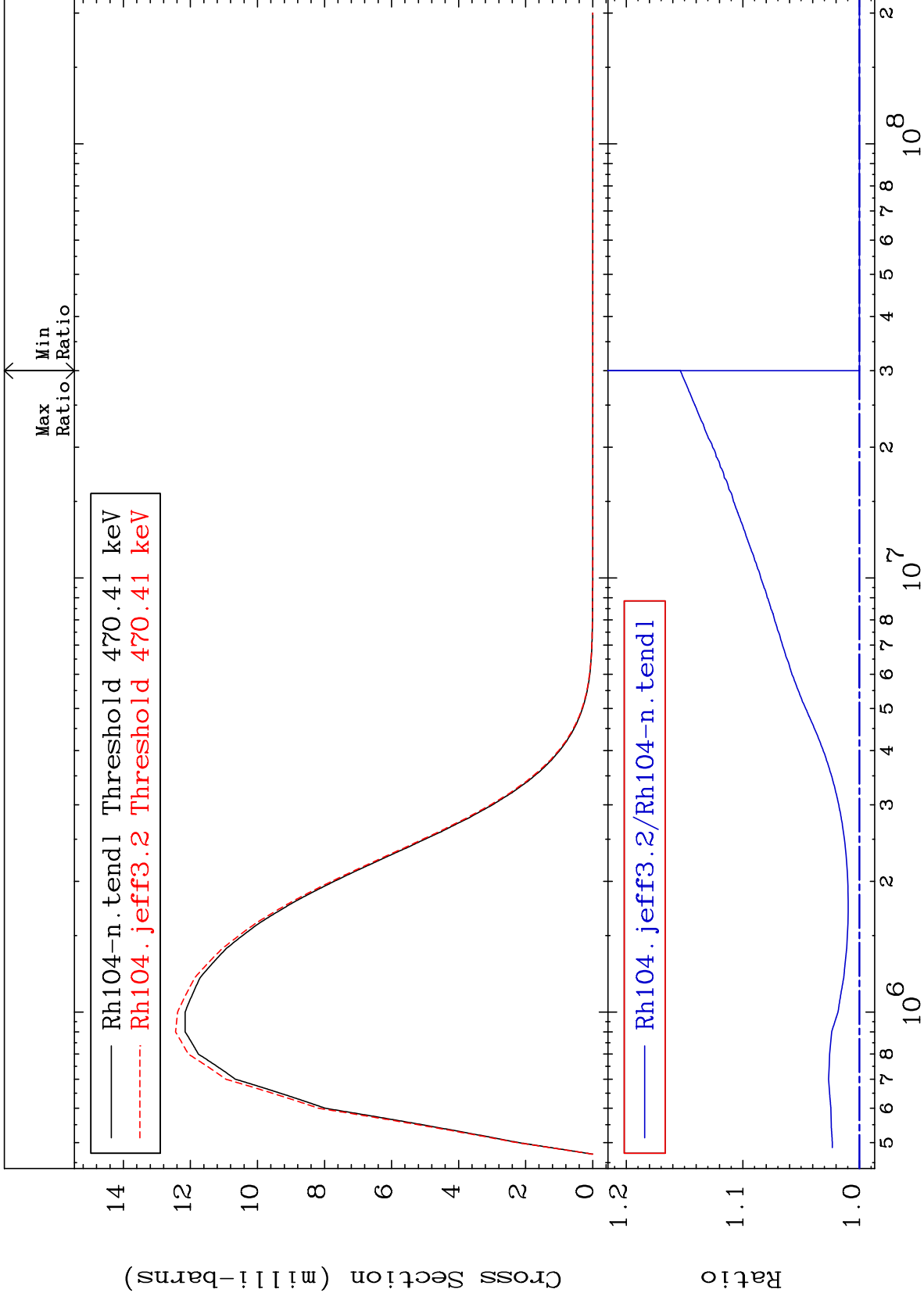
Incident Energy (eV)

45-Rh-104

MAT 4528

465.9 keV (n,n') Level  
Cross Section

45-Rh-104  
0.000 To 15.36 %



48

Incident Energy (eV)

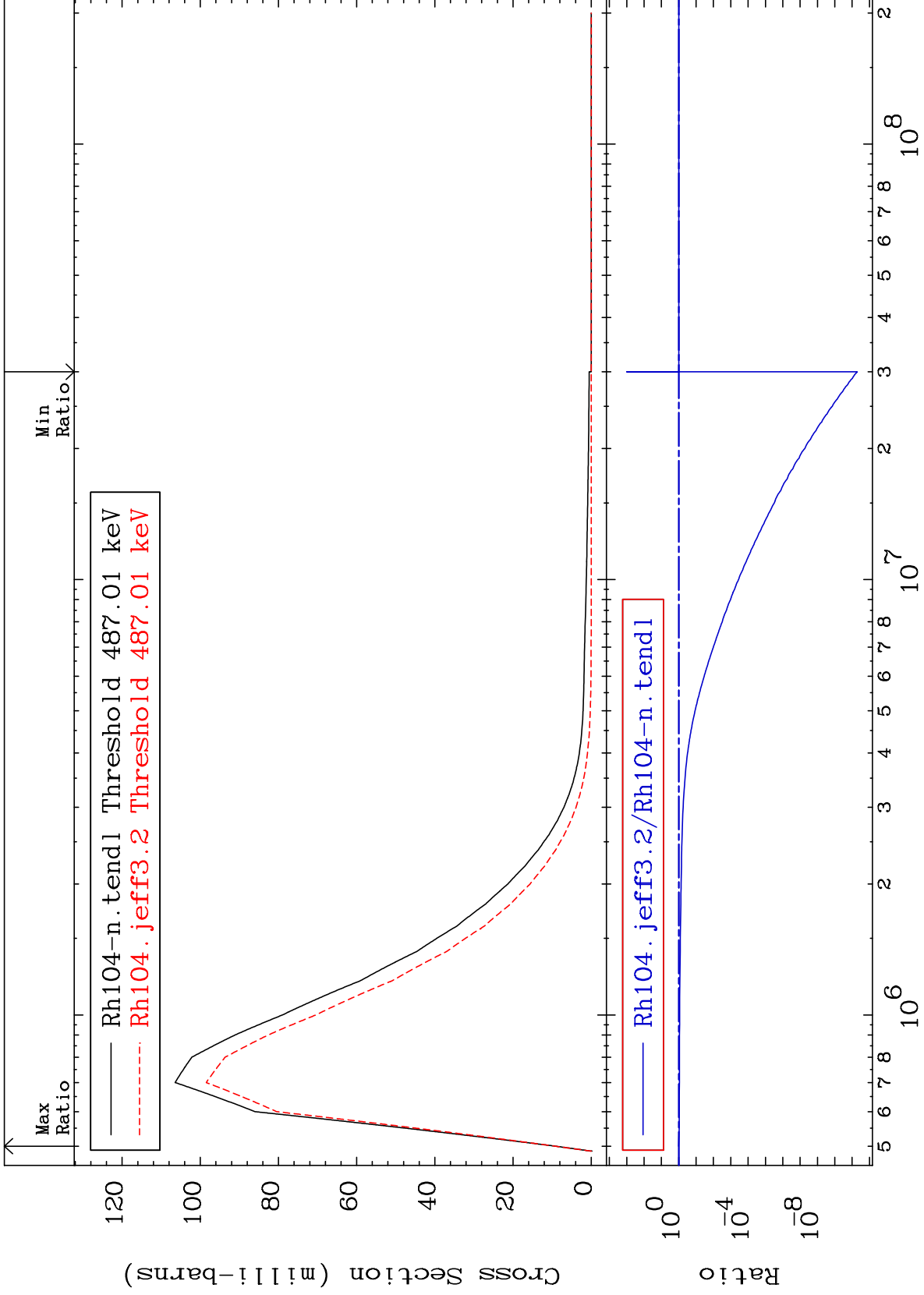
45-Rh-104



MAT 4528

482.3 keV (n,n') Level  
Cross Section

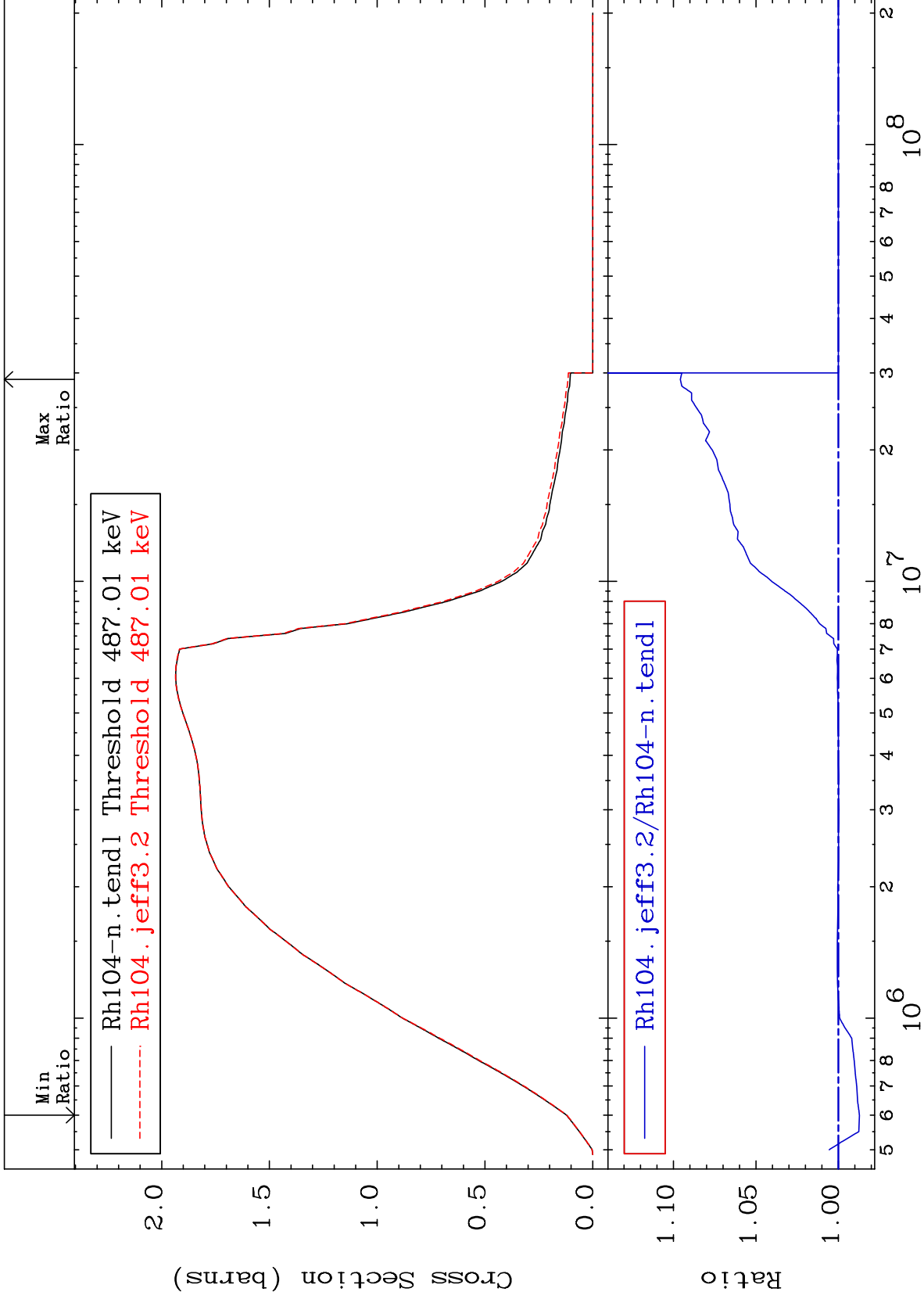
45-Rh-104  
-100.0 To 1.545 %



MAT 4528

(n, n') Continuum  
Cross Section

45-Rh-104  
-1.276 To 9.585 %



50

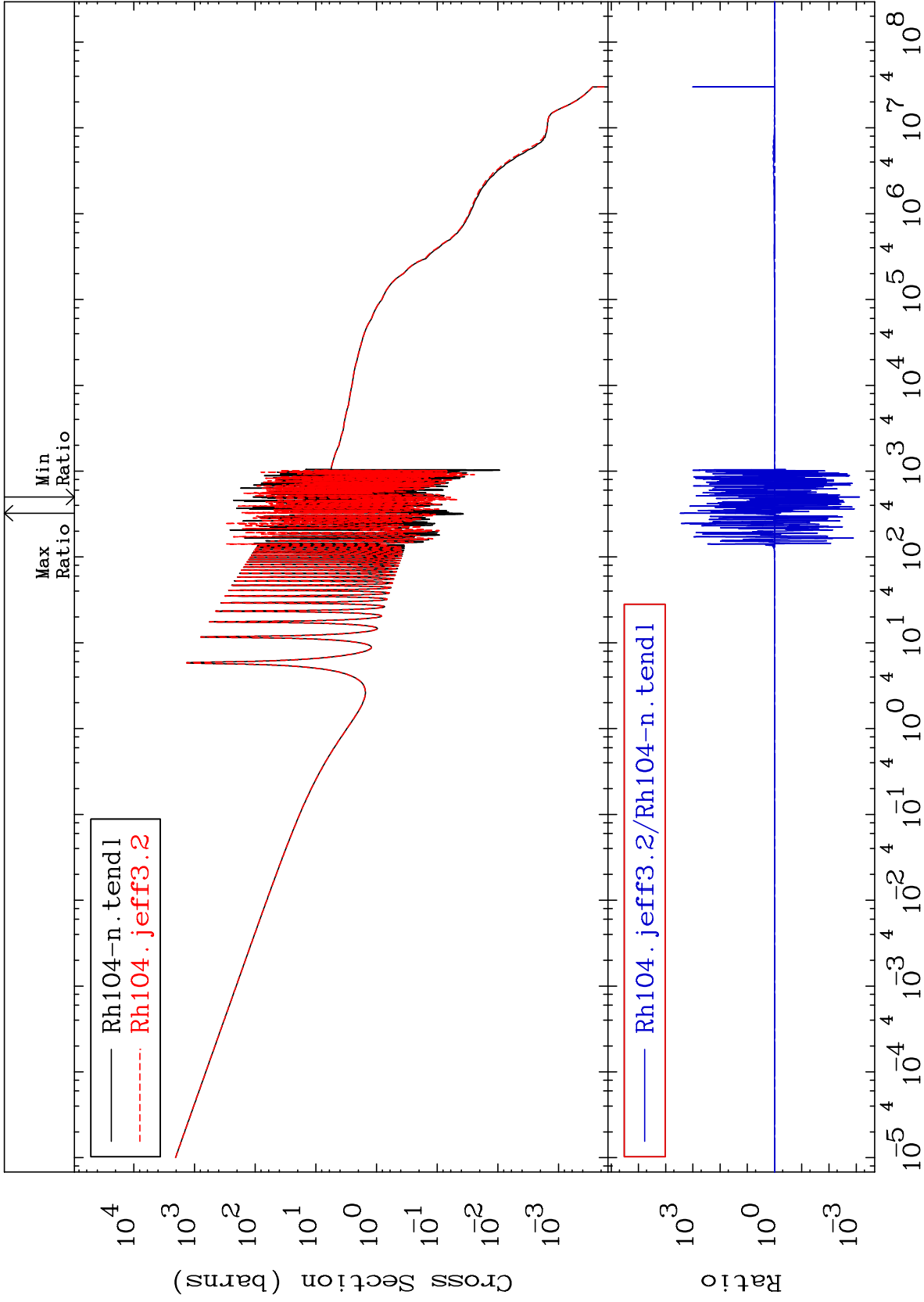
Incident Energy (eV)

45-Rh-104

MAT 4528

(n,  $\gamma$ )  
Cross Section

45-Rh-104  
-99.92 To 9999. %



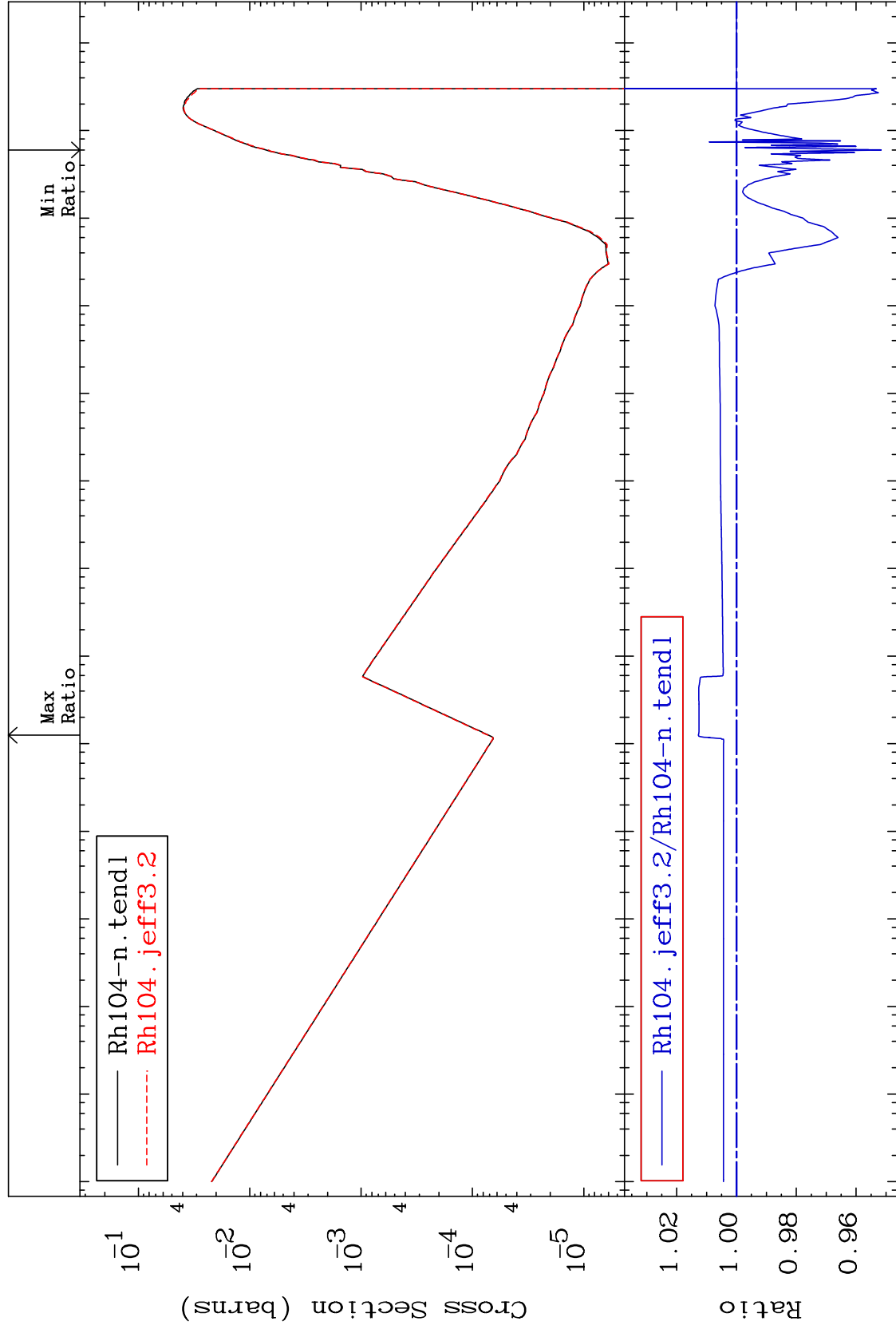
MAT 4528

(n,p)

45-Rh-104

Cross Section

-4.837 To 1.274 %



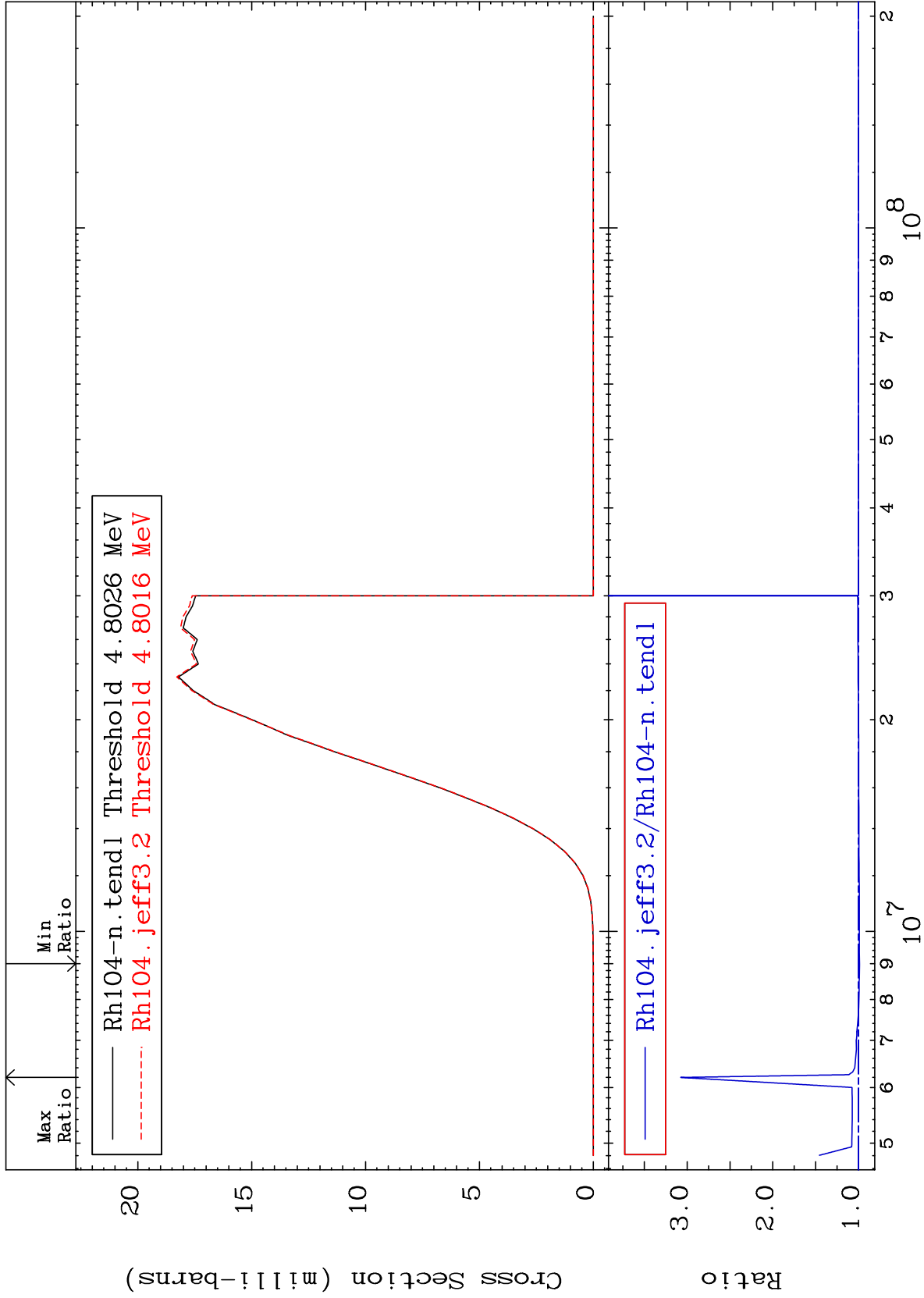
MAT 4528

(n, d)

45-Rh-104

Cross Section

-1.253 To 207.4 %



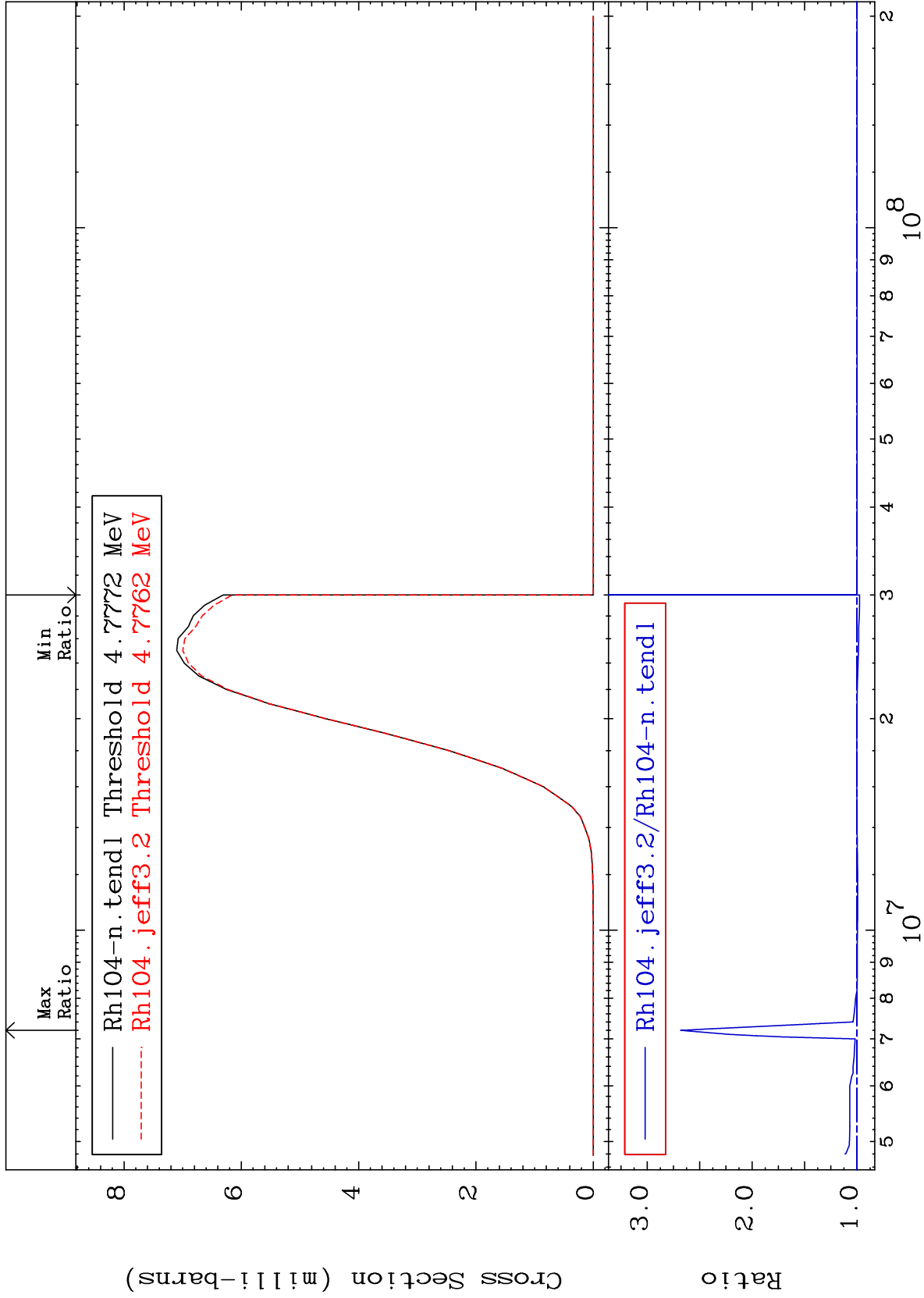
MAT 4528

(n, t)

45-Rh-104

Cross Section

-2.478 To 168.0 %



54

45-Rh-104

45-Rh-104

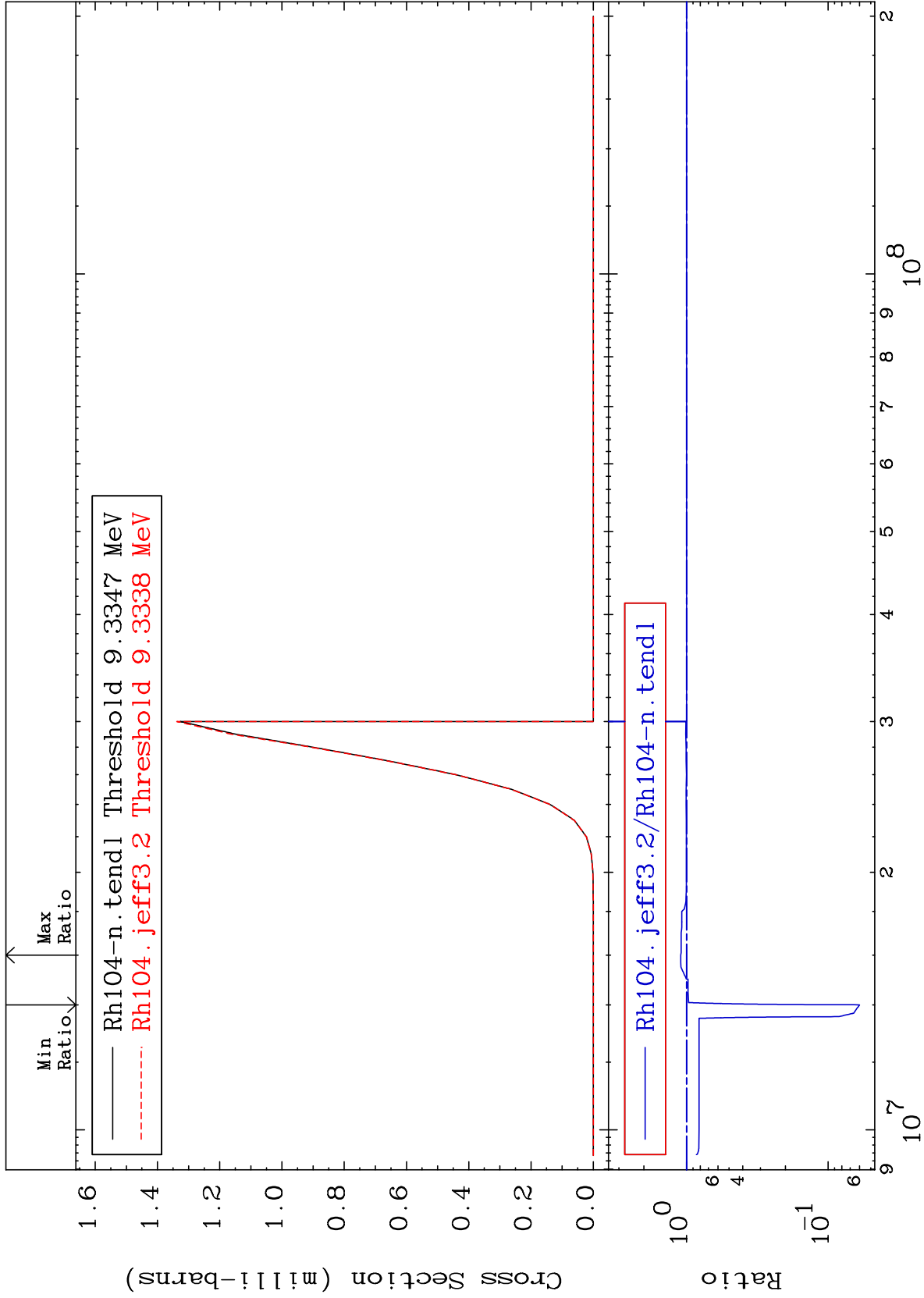
MAT 4528

(n, He-3)

45-Rh-104

Cross Section

-94.00 To 9.723 %



55

Incident Energy (eV)

45-Rh-104

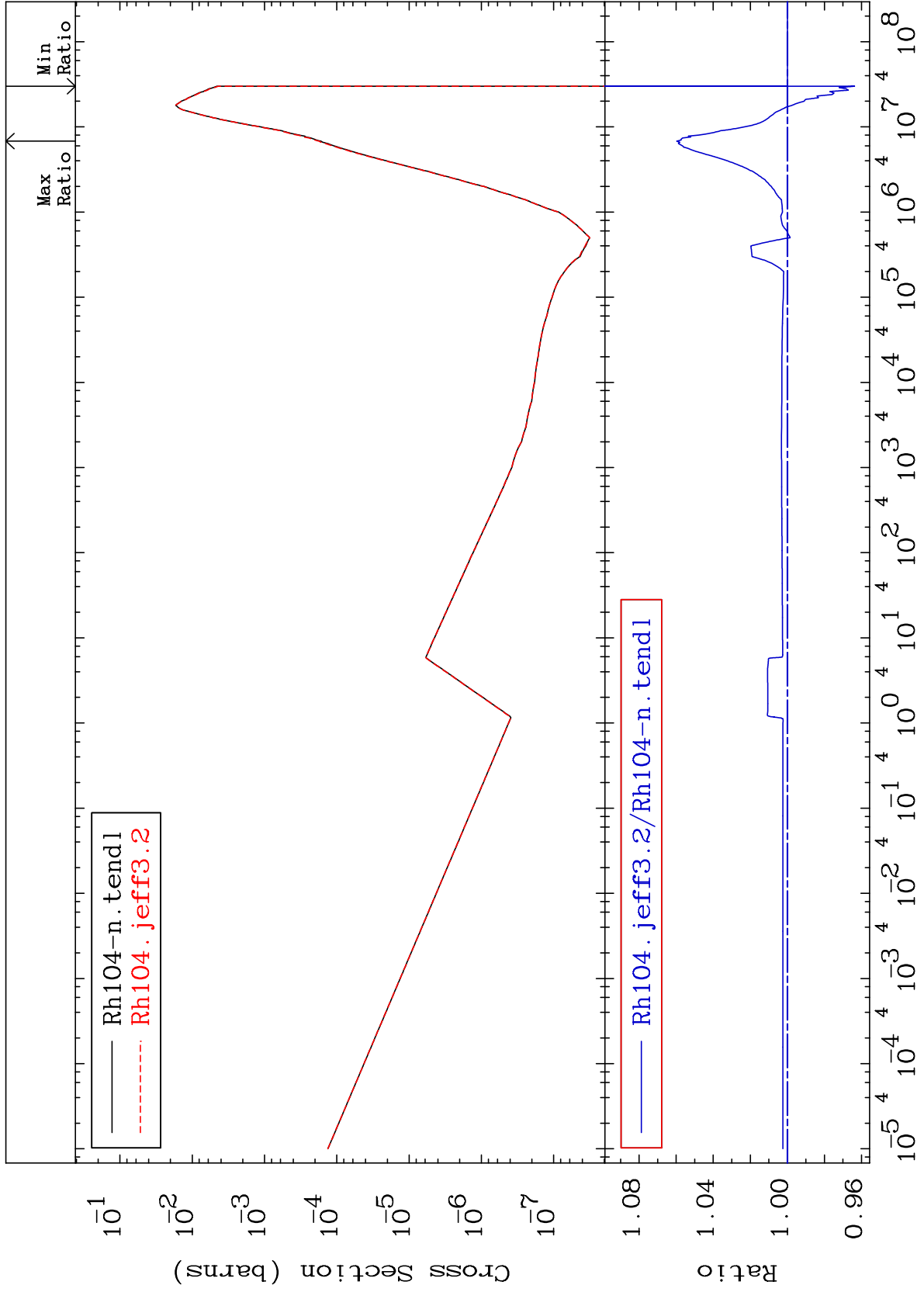
MAT 4528

(n,  $\alpha$ )

Cross Section

45-Rh-104

-3.621 To 5.968 %





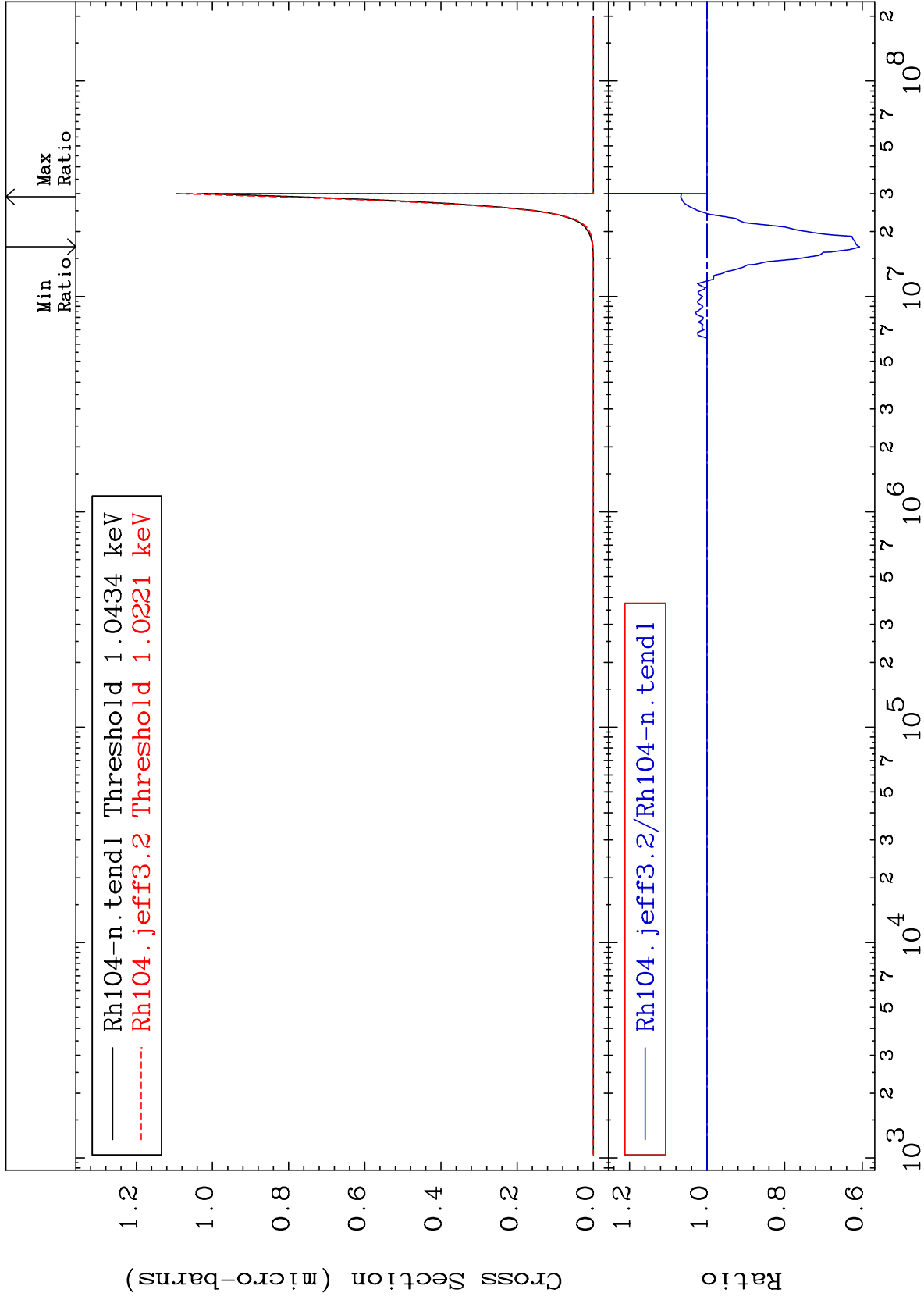
MAT 4528

(n,2α)

45-Rh-104

Cross Section

-39.33 To 6.772 %



57

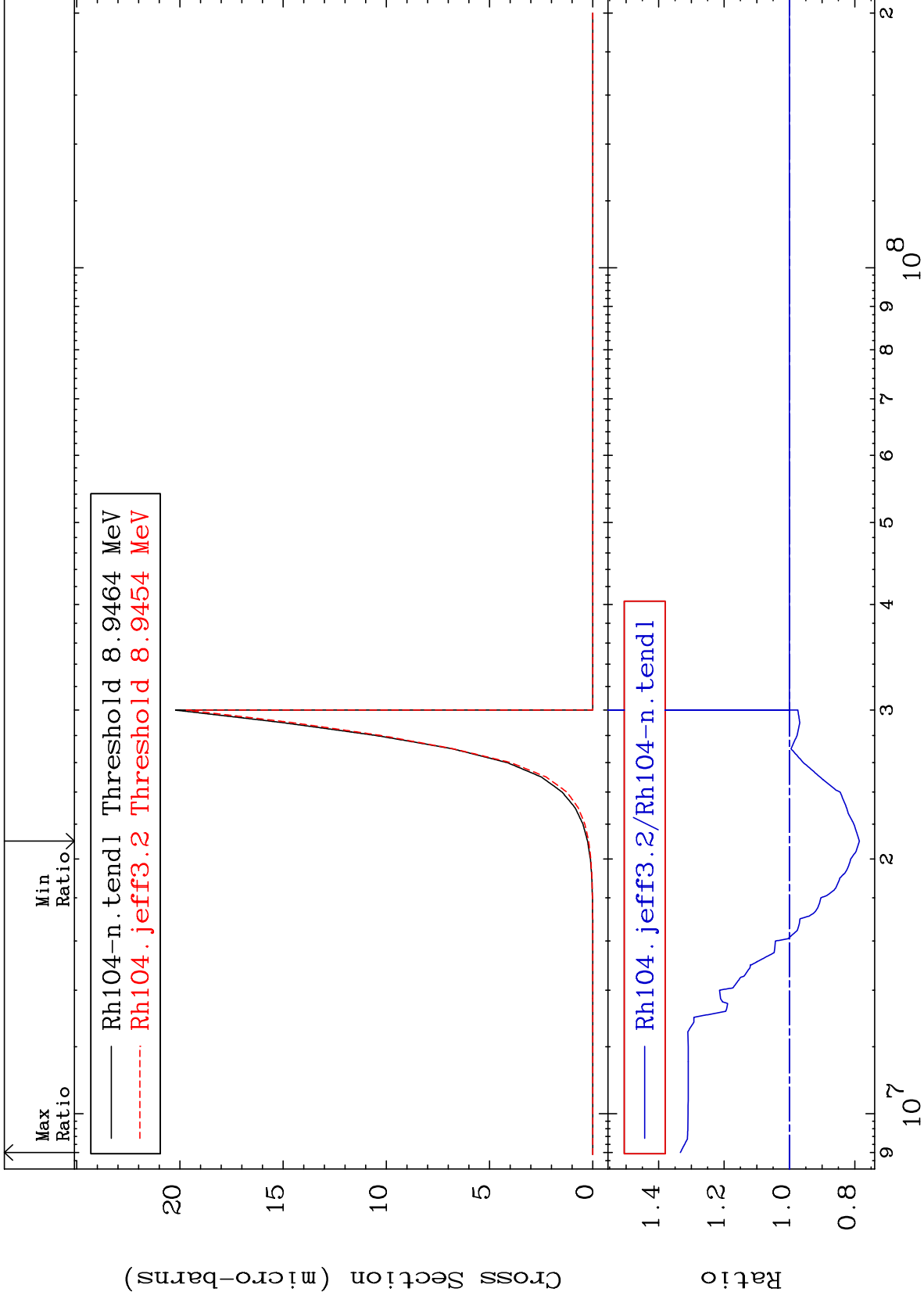
Incident Energy (eV)

45-Rh-104

MAT 4528

(n,2p)  
Cross Section

45-Rh-104  
-21.42 To 33.38 %



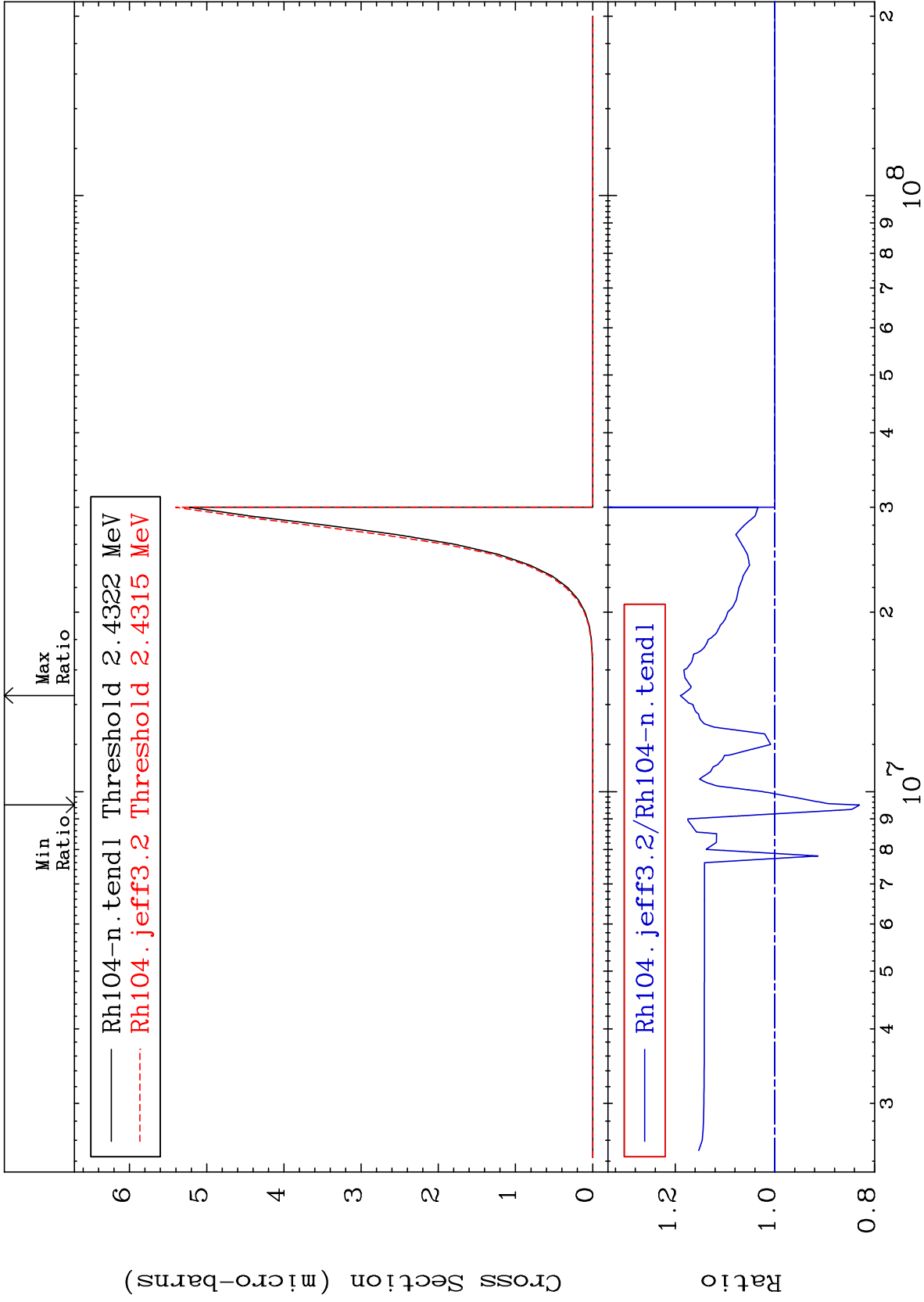
58

Incident Energy (eV)

45-Rh-104

MAT 4528

(n,p)  $\alpha$  Cross Section  
45-Rh-104  
-16.99 To 18.97 %



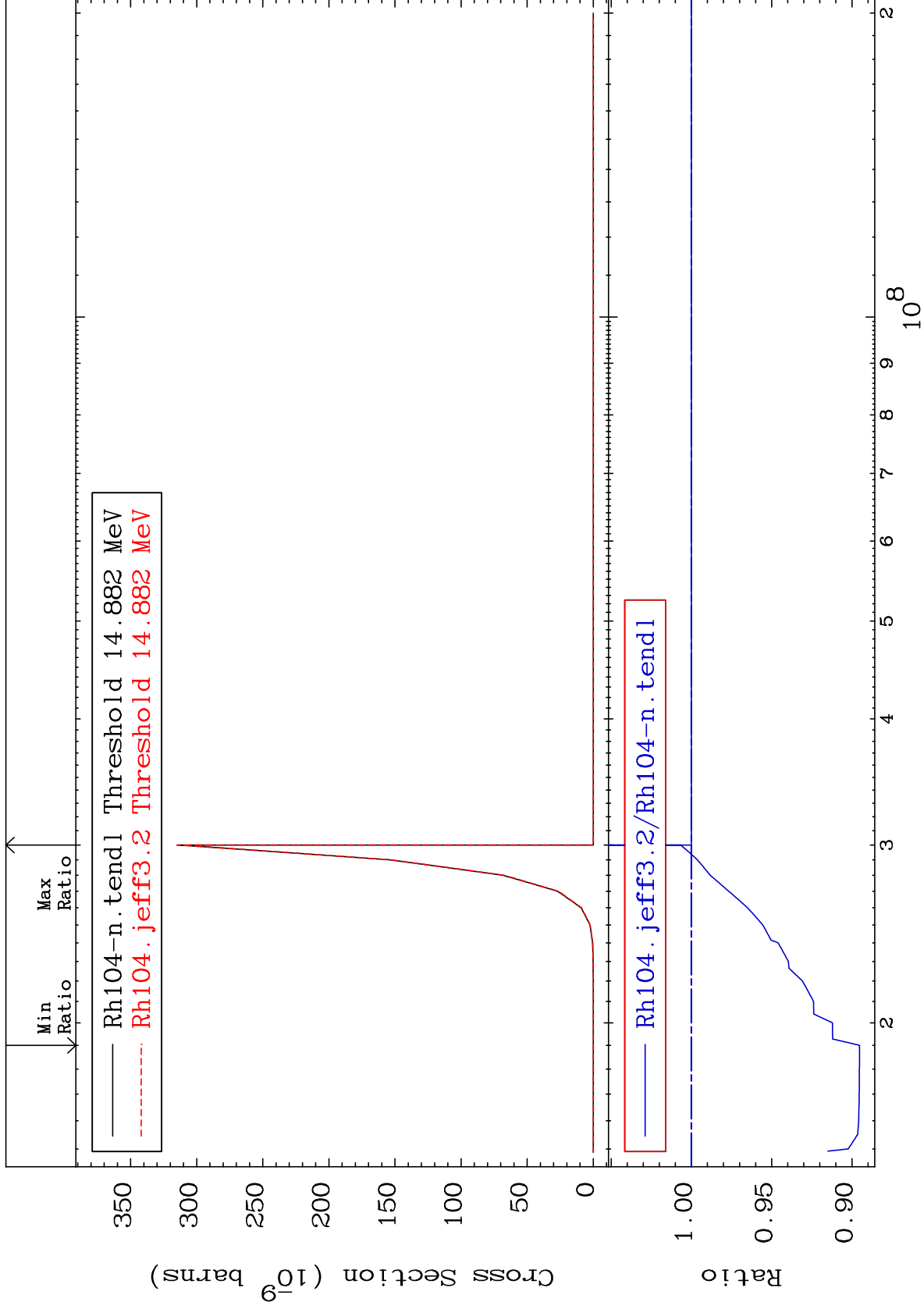
MAT 4528

(n, p) d

45-Rh-104

Cross Section

-10.47 To 0.661 %



60

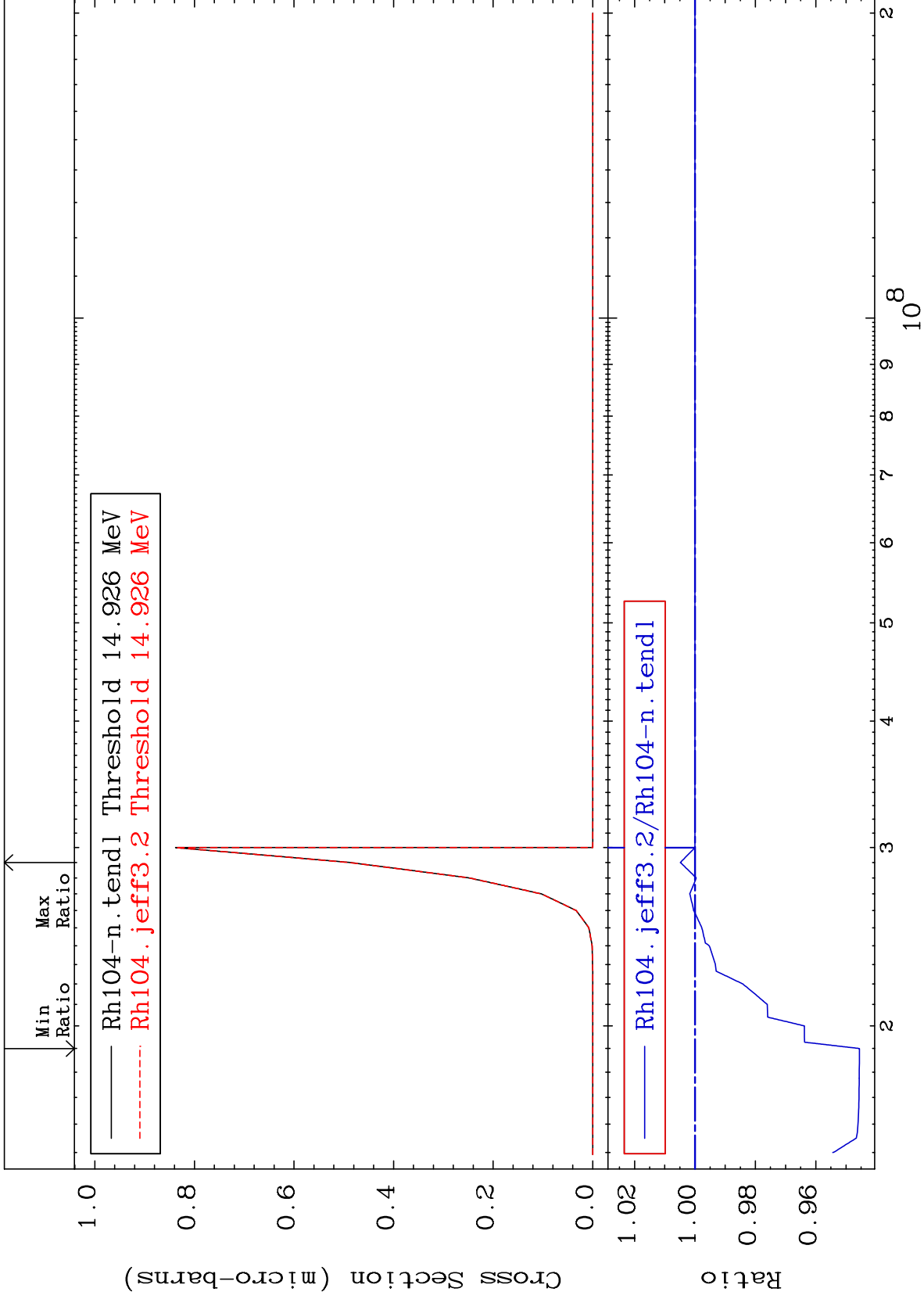
Incident Energy (eV)

45-Rh-104

MAT 4528

(n,p) t  
Cross Section

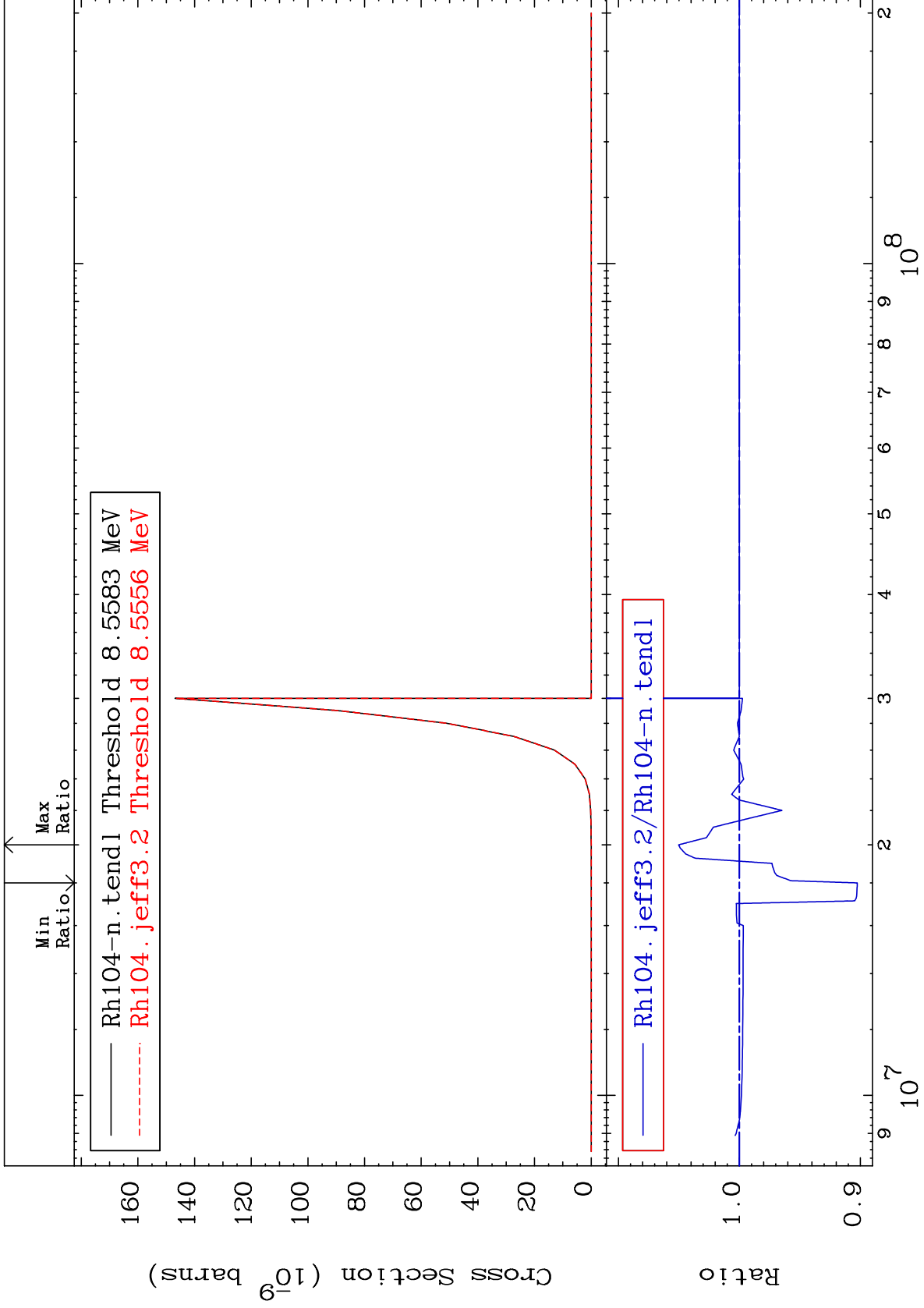
45-Rh-104  
-5.444 To 0.484 %



MAT 4528

(n,d)  $\alpha$   
Cross Section

45-Rh-104  
-9.739 To 5.023 %



62

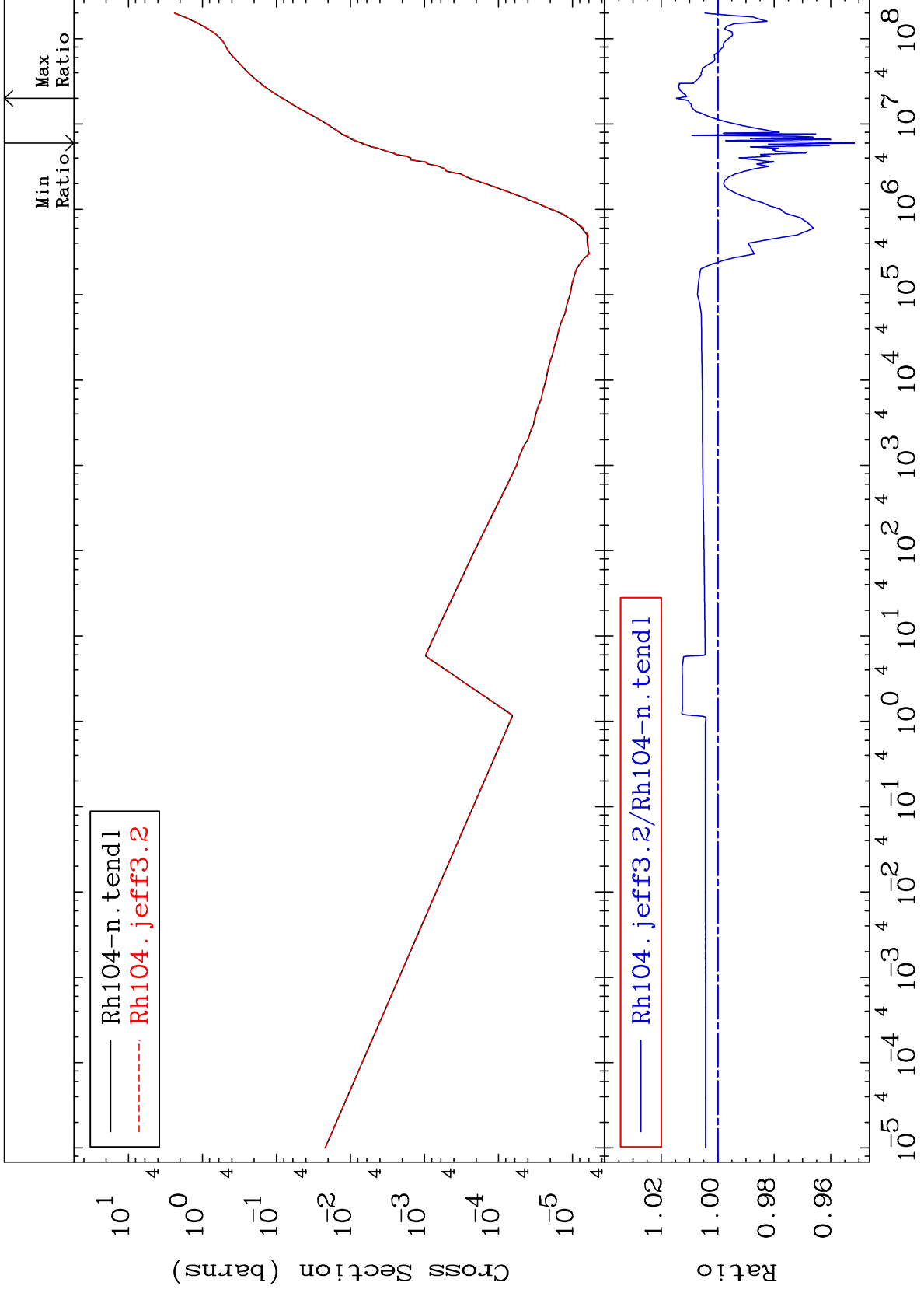
Incident Energy (eV)

45-Rh-104

MAT 4528

Hydrogen Production  
Cross Section

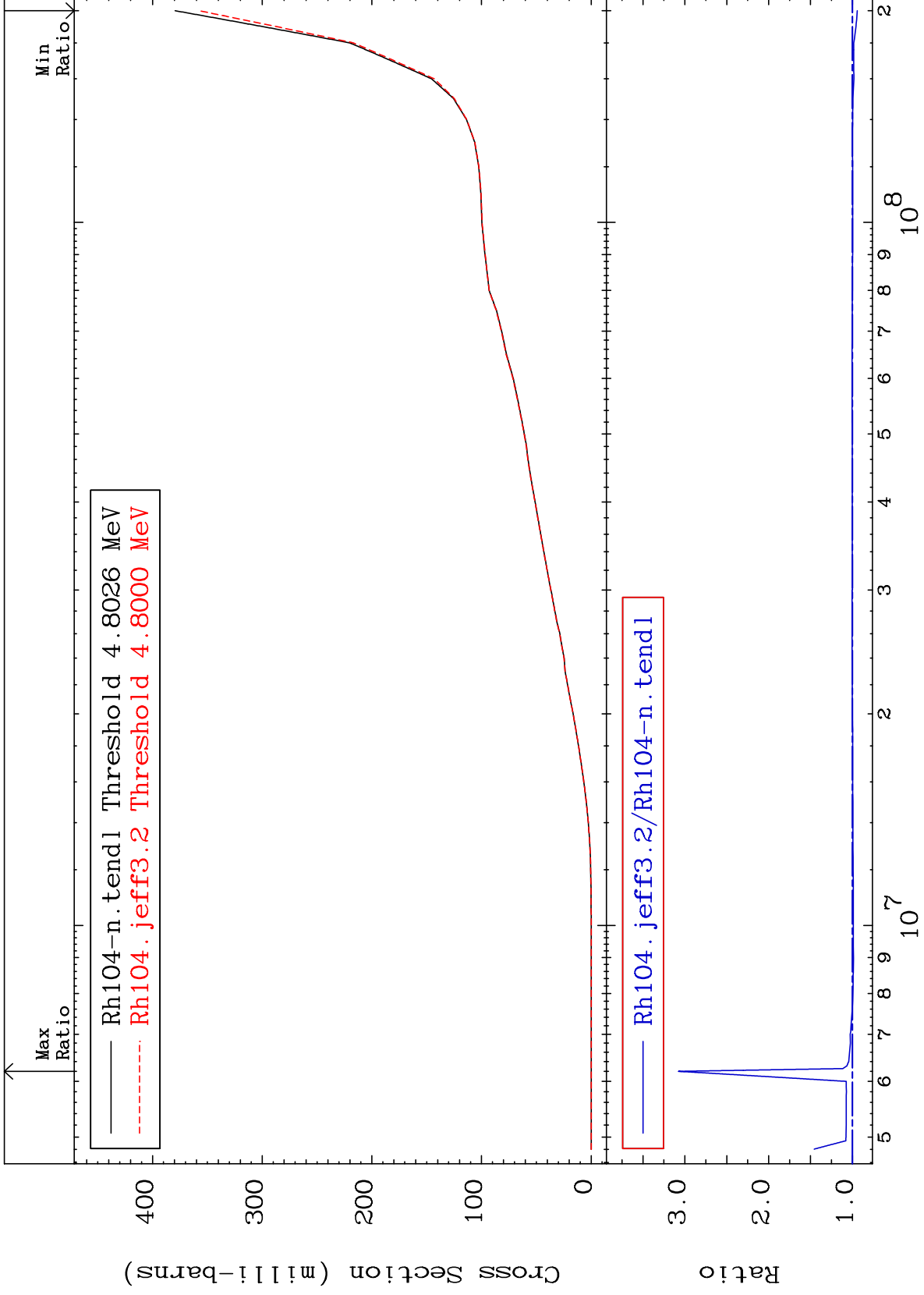
45-Rh-104  
-4.837 To 1.466 %



MAT 4528

Deuterium Production  
Cross Section

45-Rh-104  
-5.737 To 207.4 %



64

Incident Energy (eV)

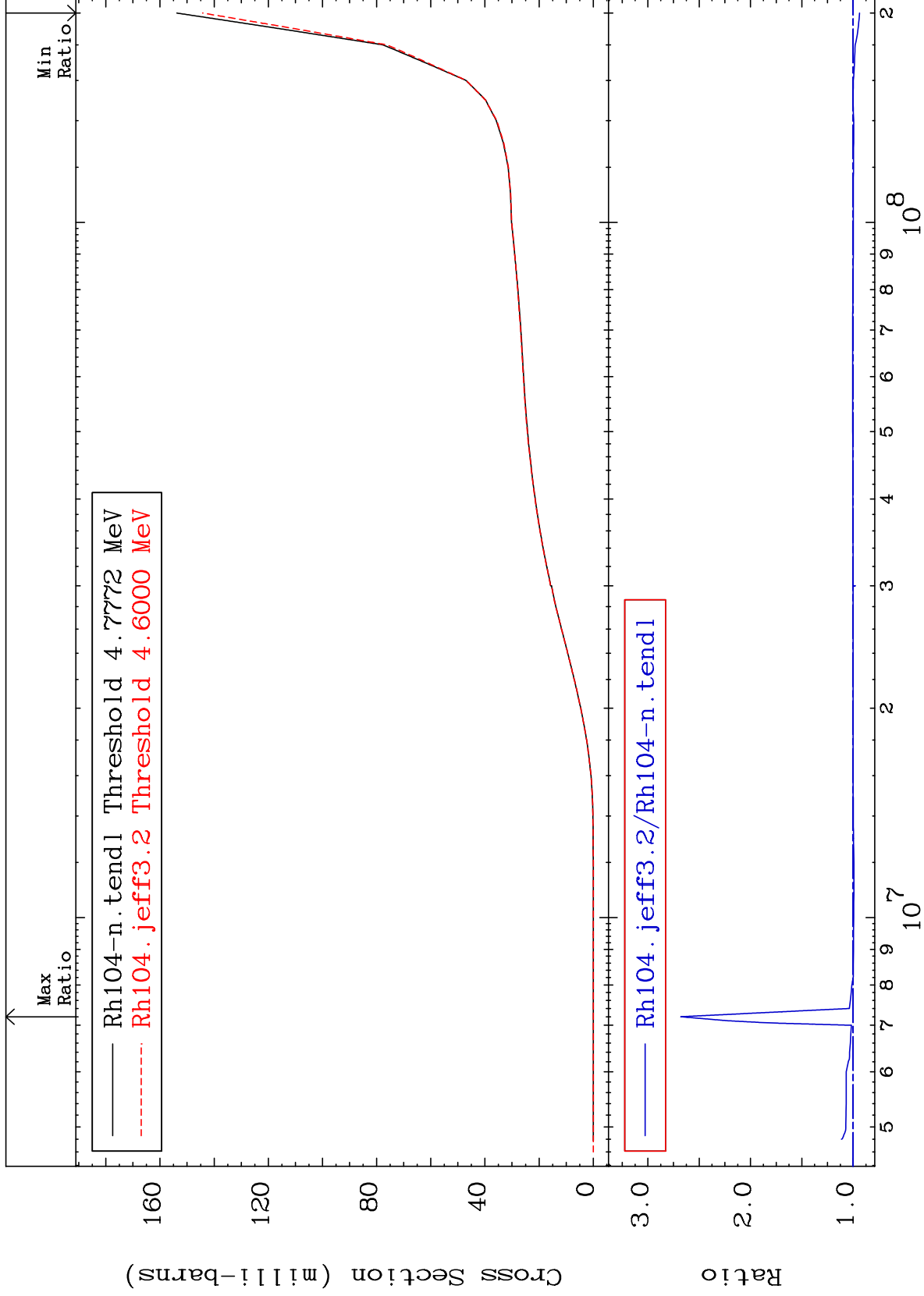
45-Rh-104



MAT 4528

Tritium Production  
Cross Section

45-Rh-104  
-6.213 To 168.0 %



65

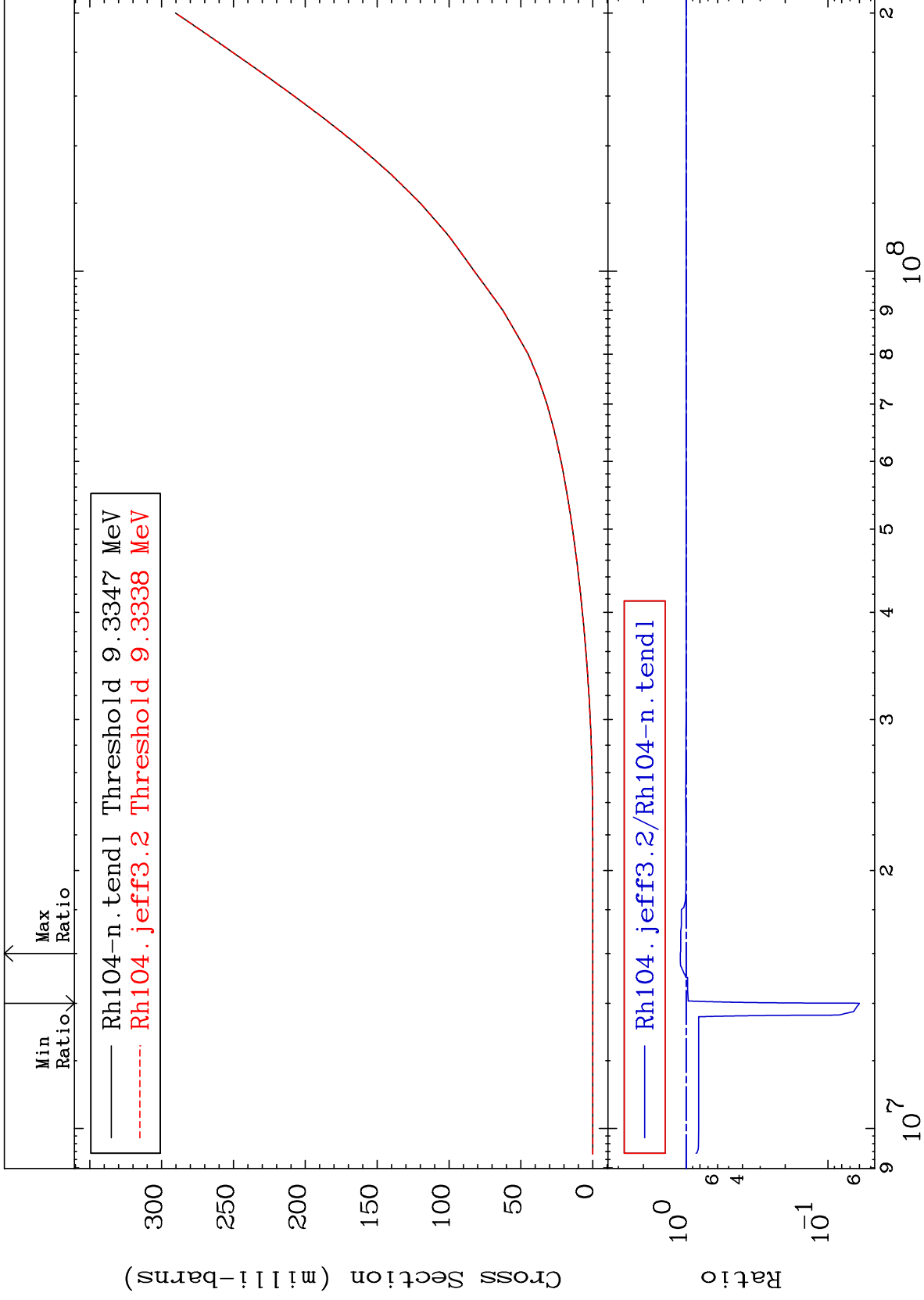
Incident Energy (eV)

45-Rh-104

MAT 4528

He-3 Production  
Cross Section

45-Rh-104  
-94.00 To 9.723 %



66

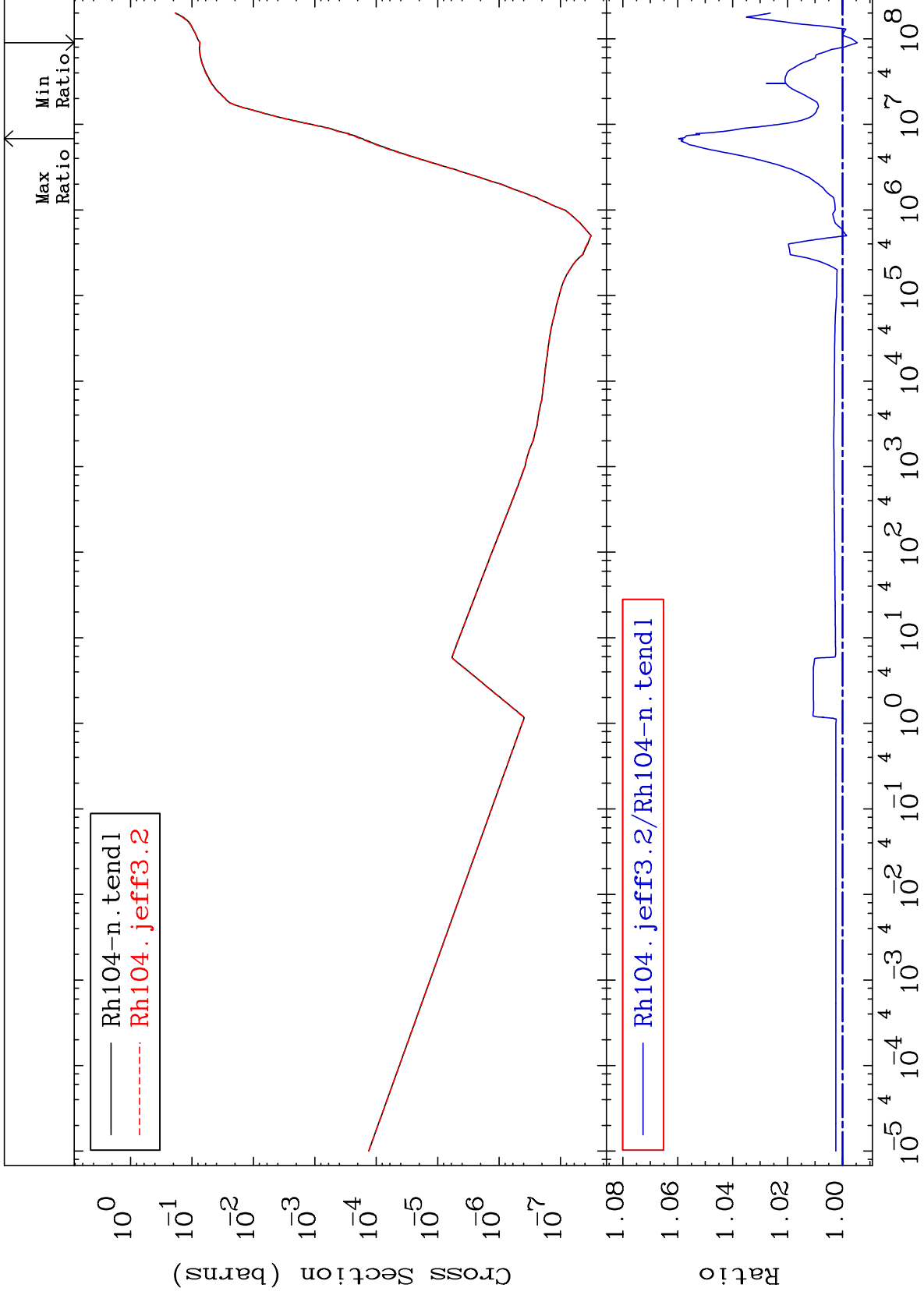
Incident Energy (eV)

45-Rh-104

MAT 4528

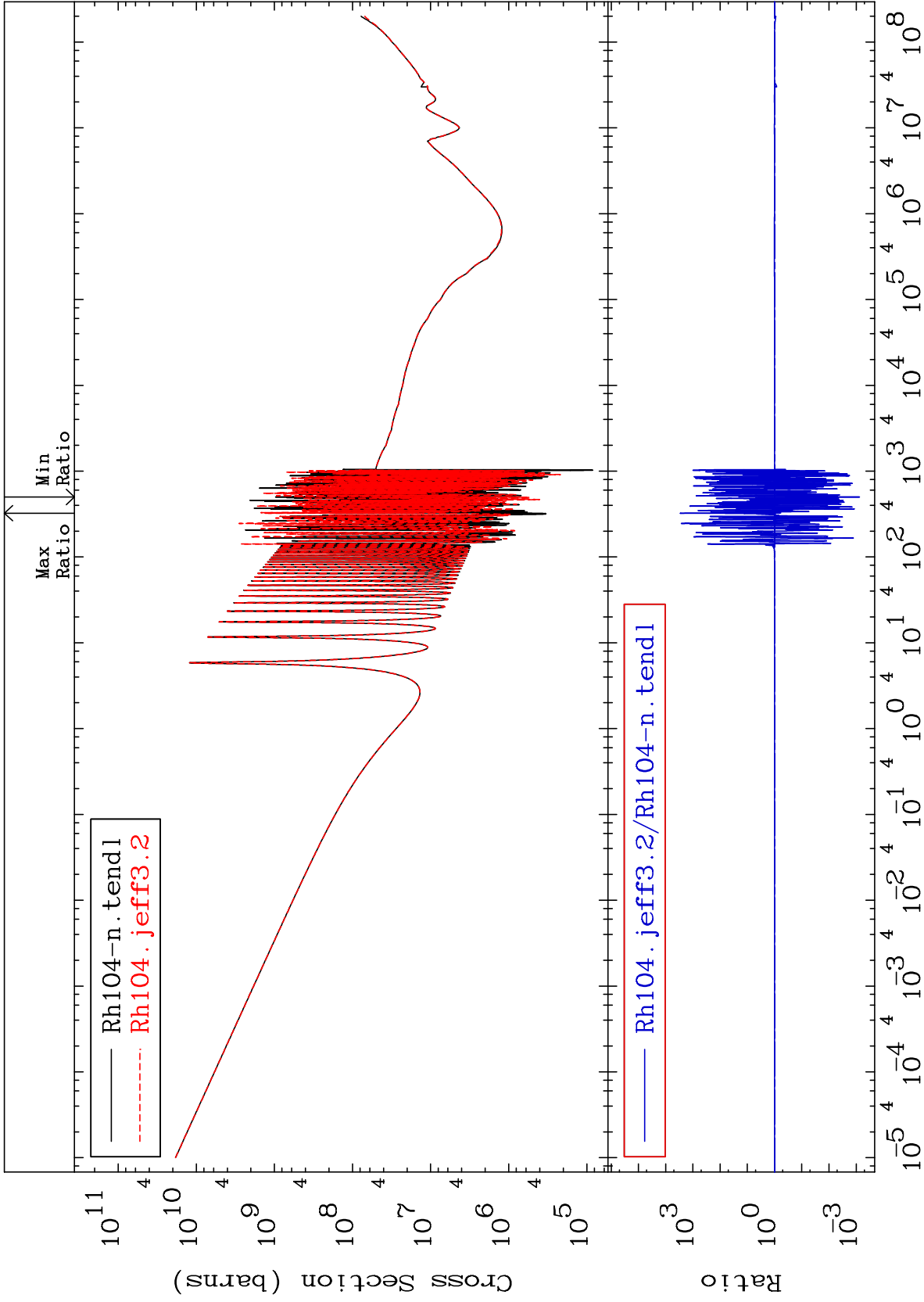
He-4 Production  
Cross Section

45-Rh-104  
-0.535 To 5.968 %



67

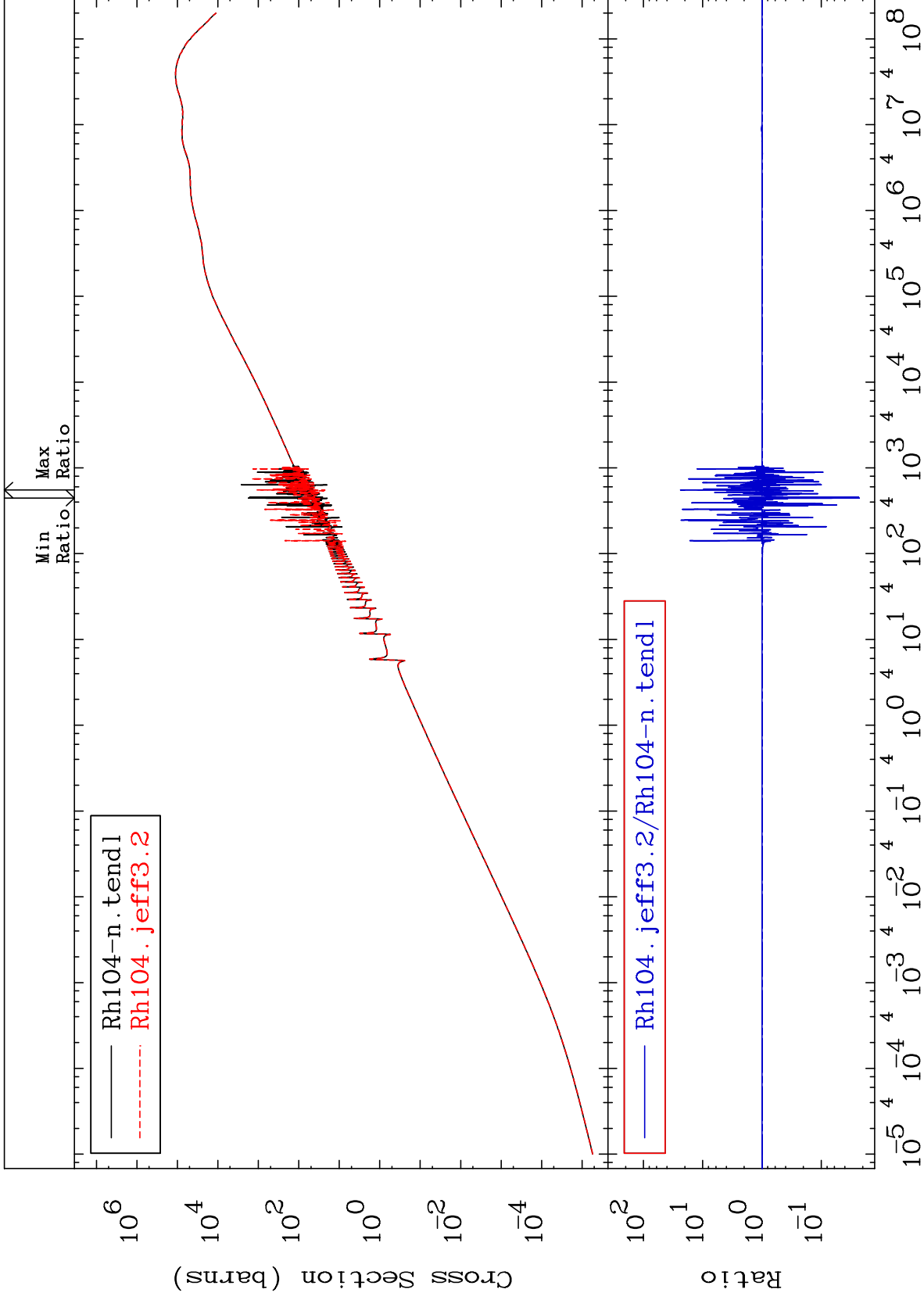
45-Rh-104

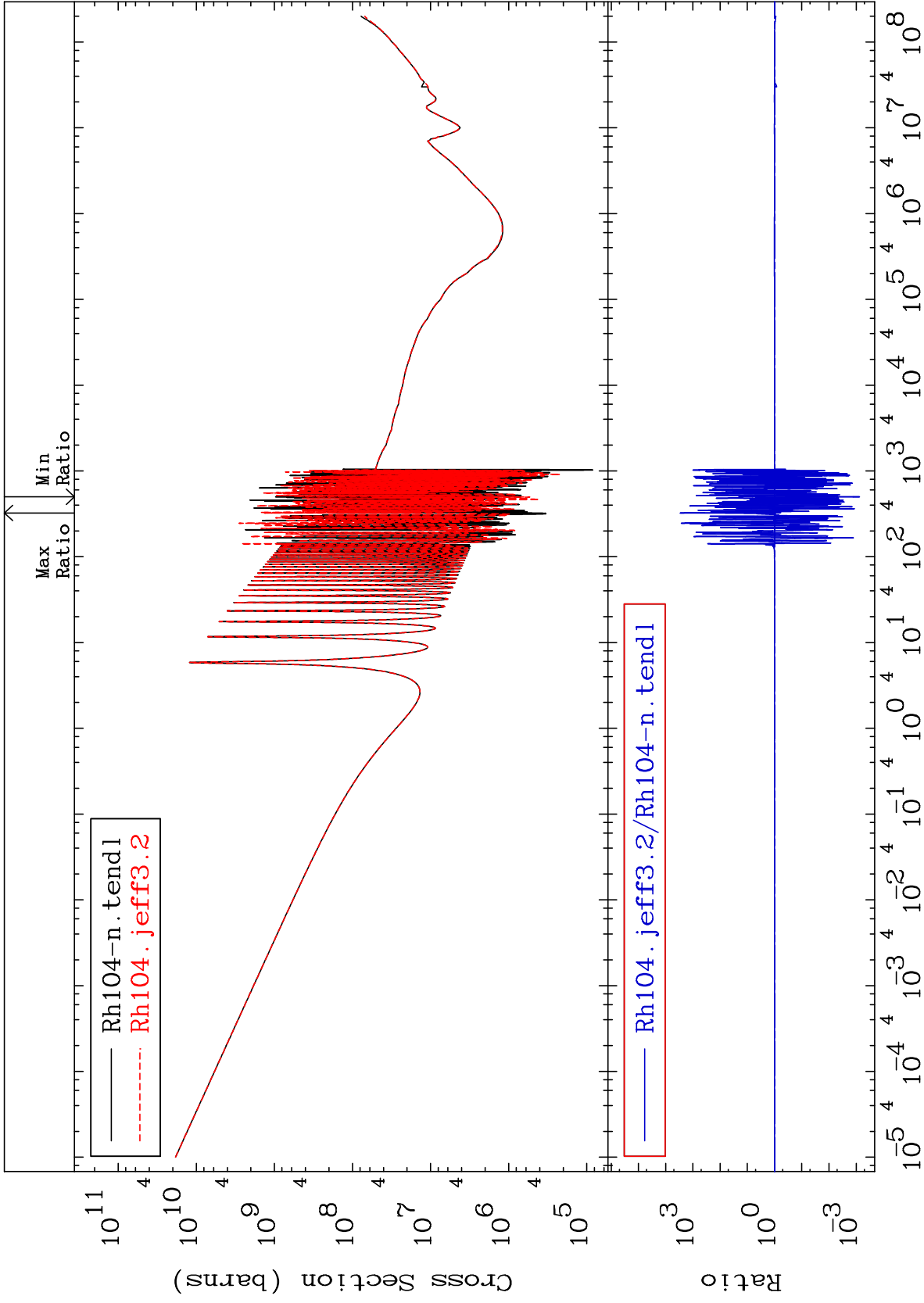


MAT 4528

Kerma elastic  
Cross Section

45-Rh-104  
-97.73 To 2283. %

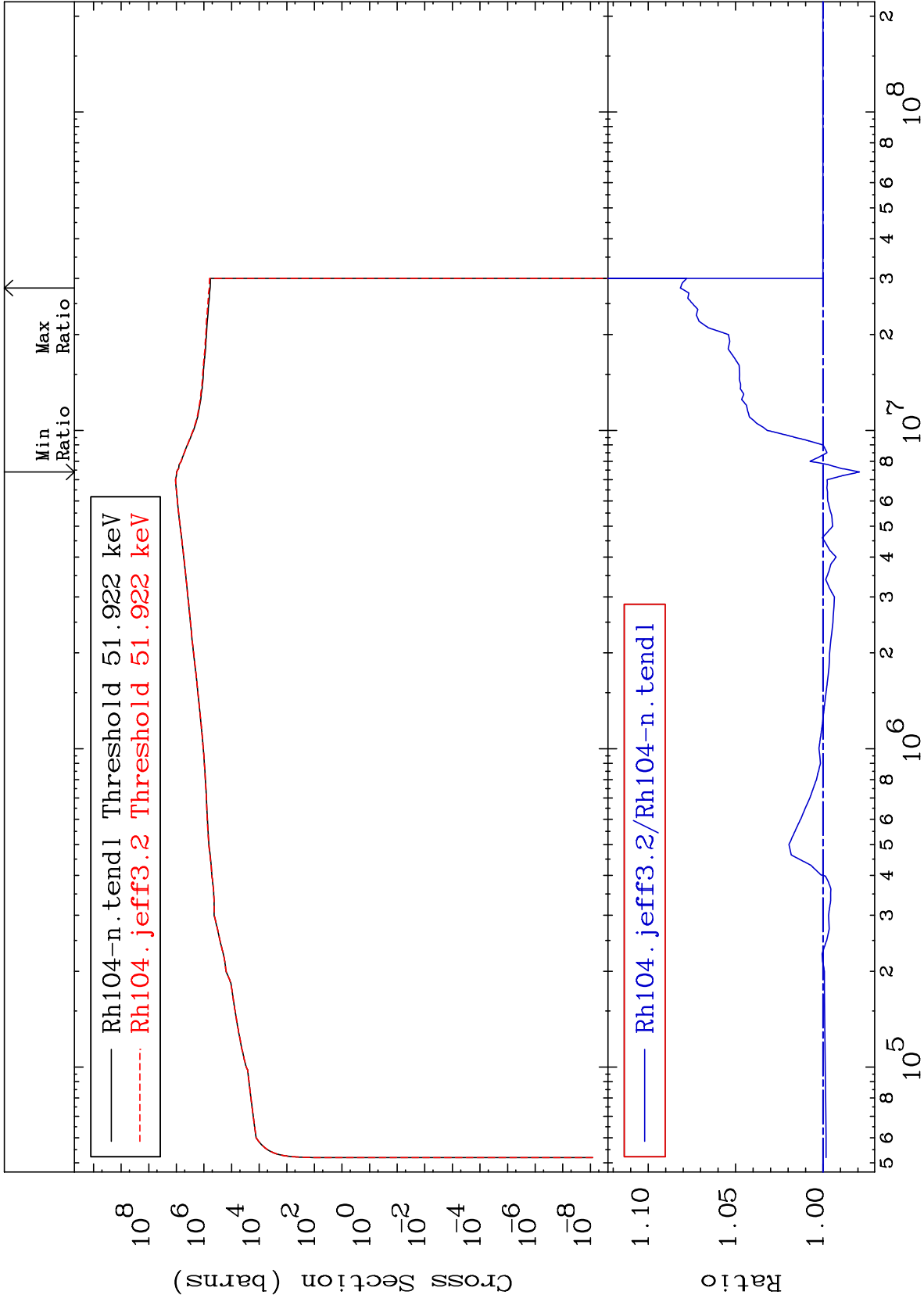




MAT 4528

Kerma inelastic (mt51-91)  
Cross Section

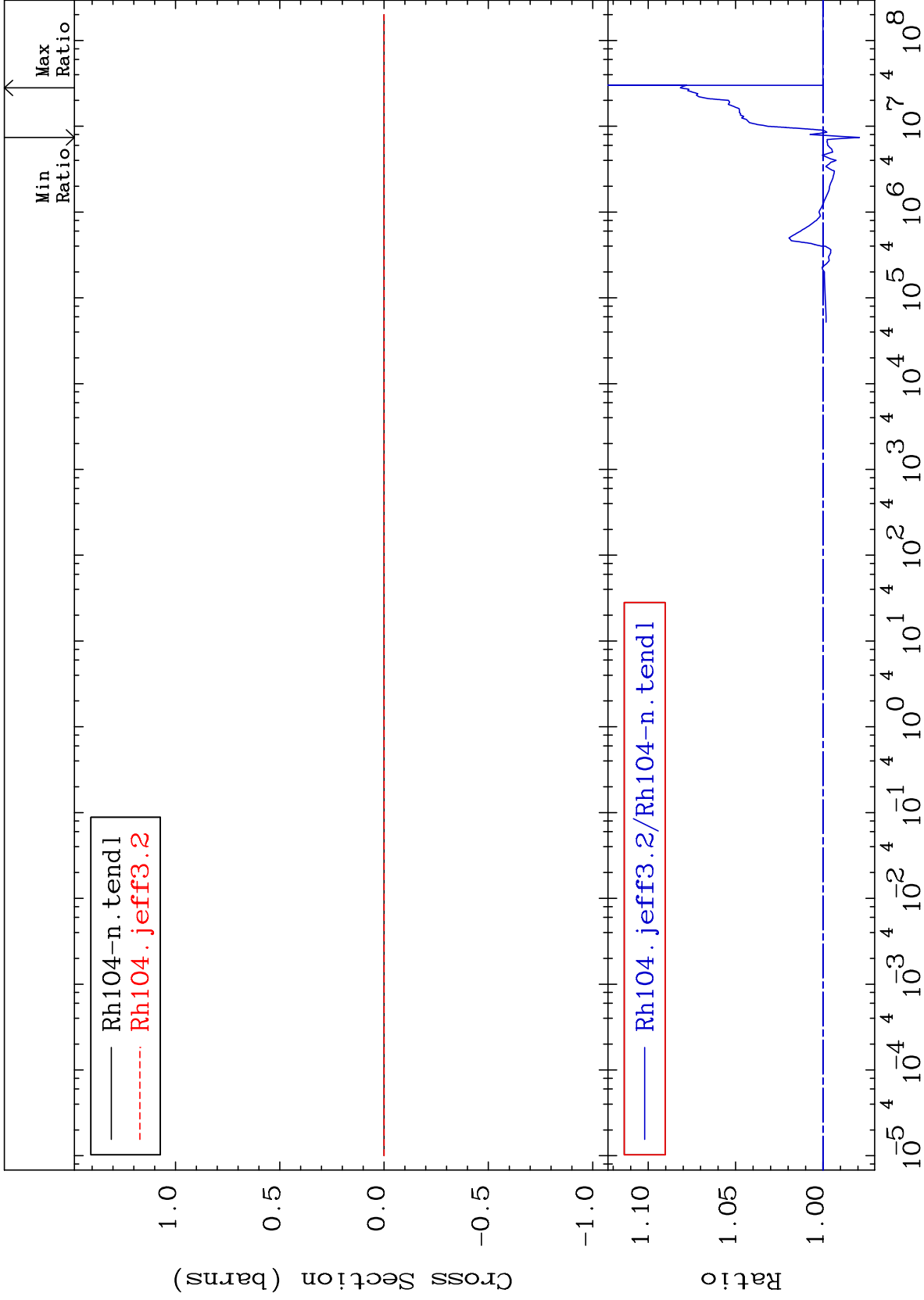
45-Rh-104  
-2.081 To 8.160 %



MAT 4528

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

45-Rh-104  
-2.081 To 8.160 %

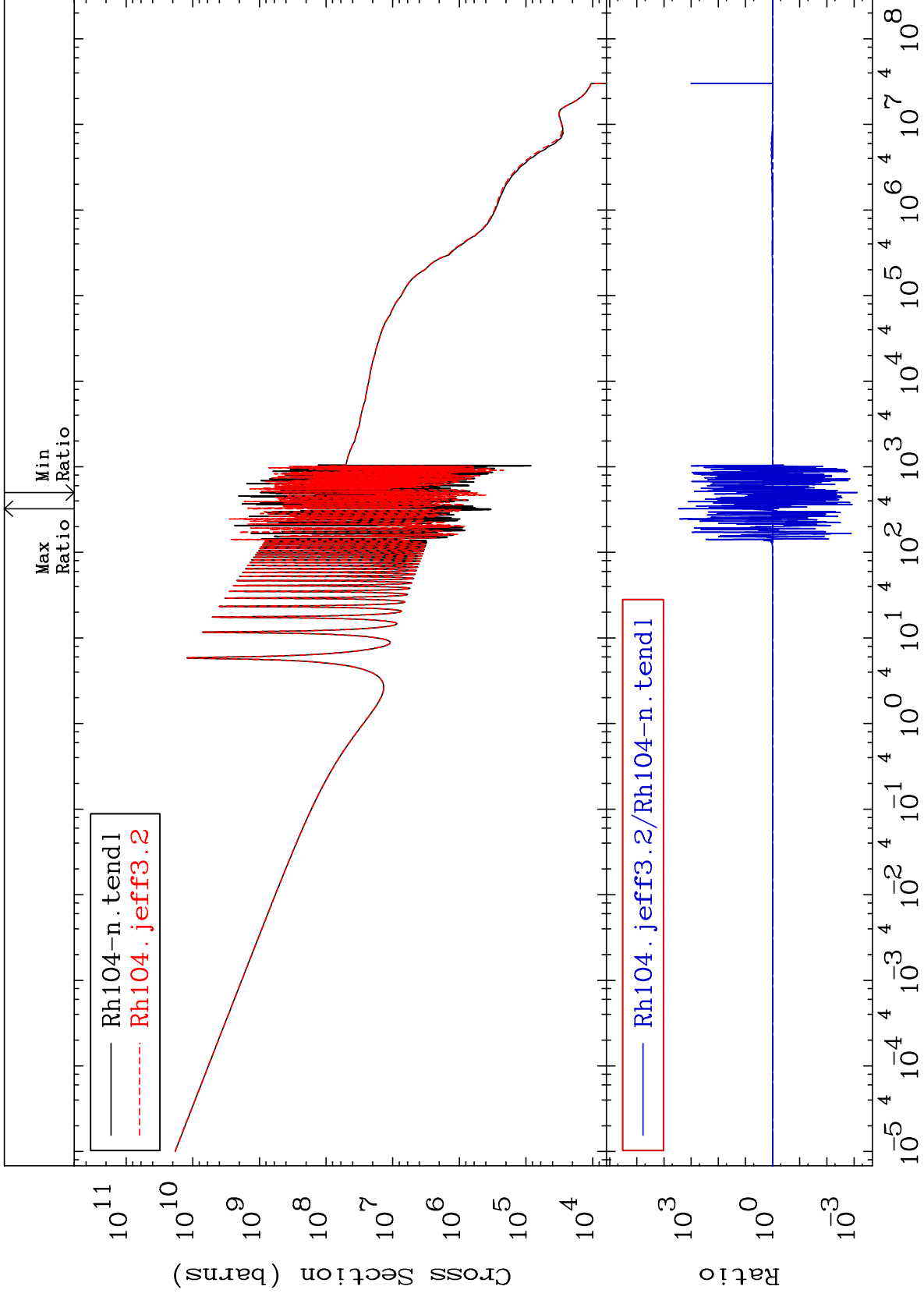




MAT 4528

Kerma capture (mt102)  
Cross Section

45-Rh-104  
-99.92 To 9999. %



73

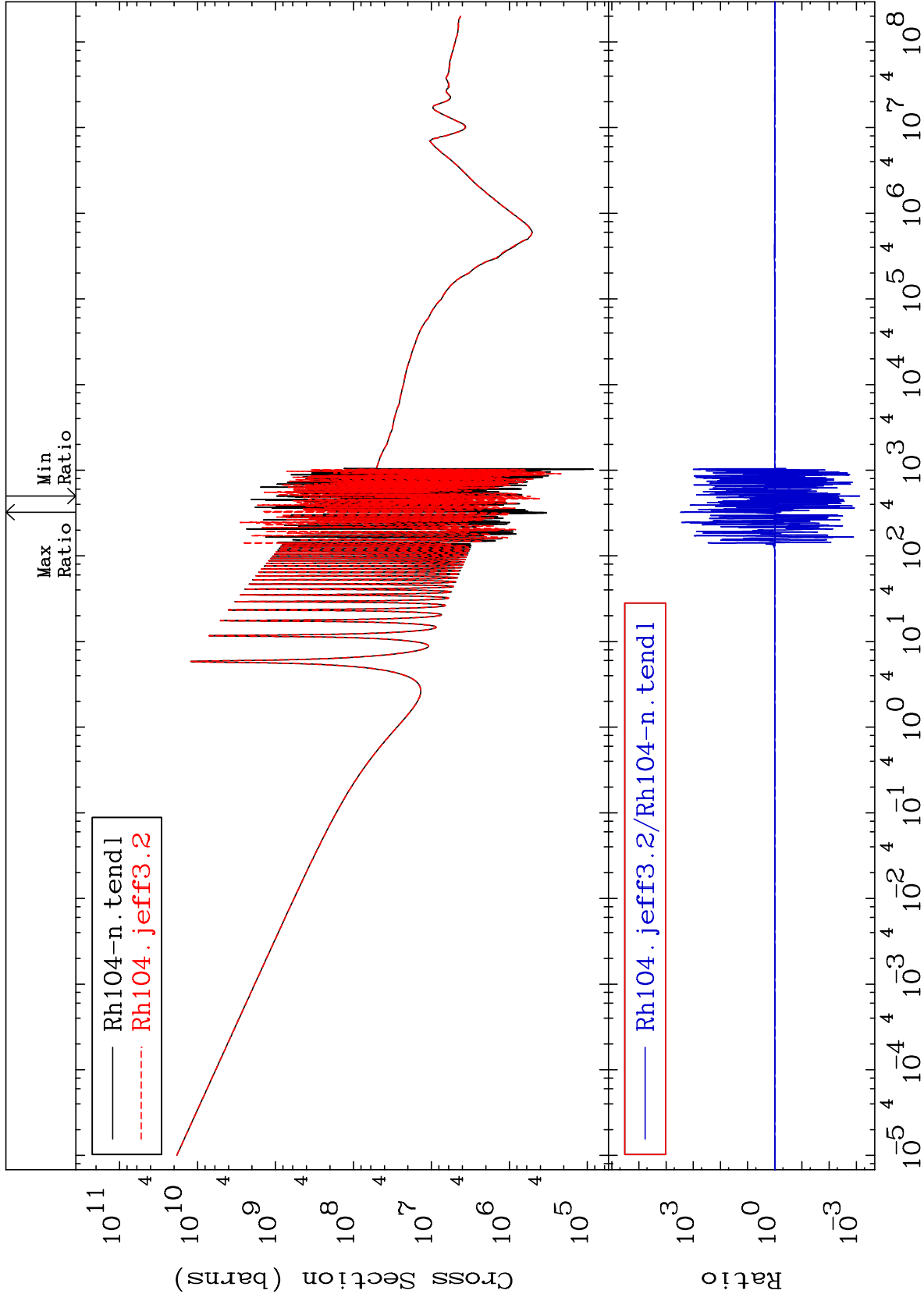
Incident Energy (eV)

45-Rh-104

MAT 4528

Total photon (eV-barns)  
Cross Section

45-Rh-104  
-99.92 To 9999. %



74

Incident Energy (eV)

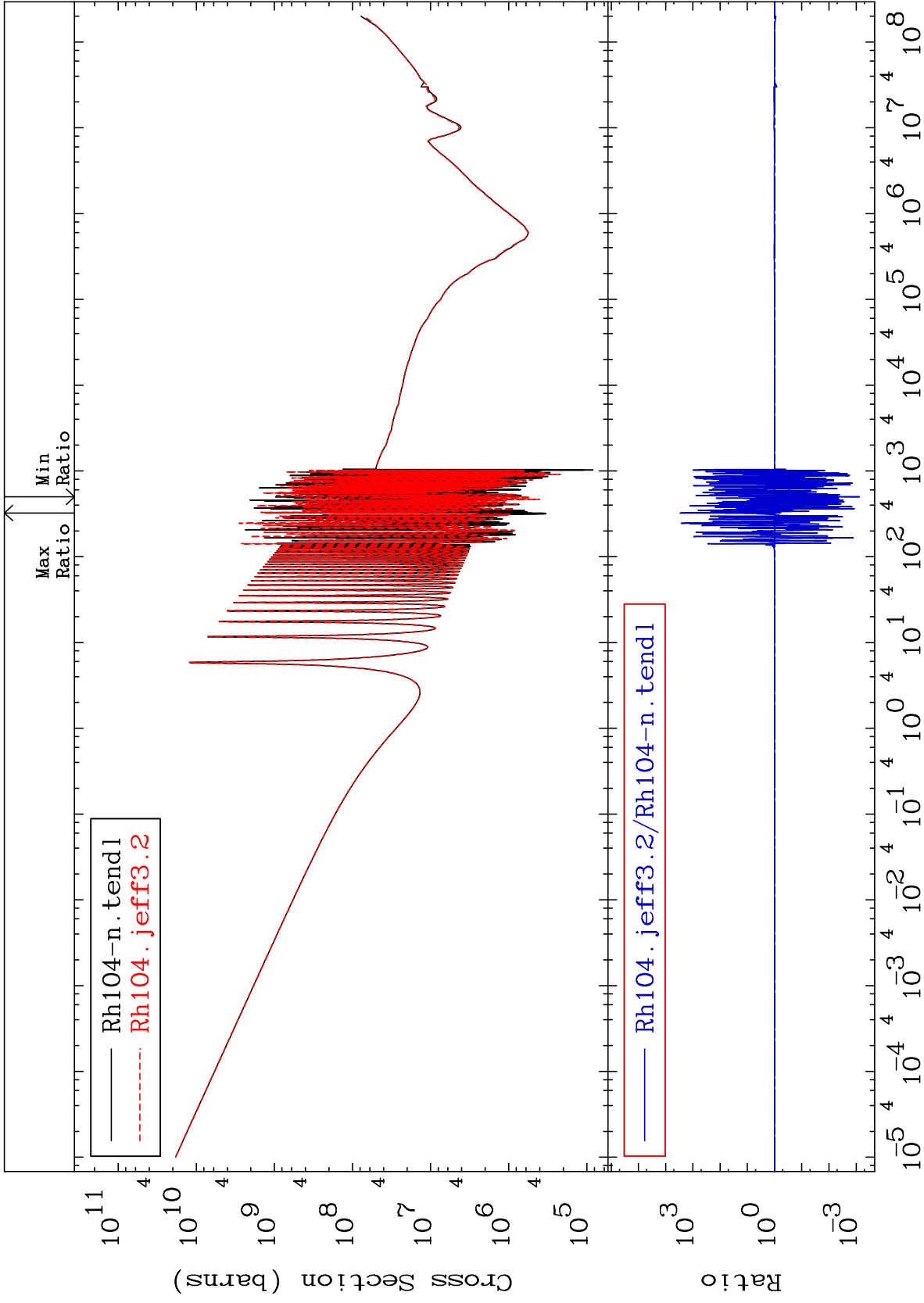
45-Rh-104

MAT 4528

Total kinematic kerma (high limit)

45-Rh-104

-99.92 To 9999. %



75

Incident Energy (eV)

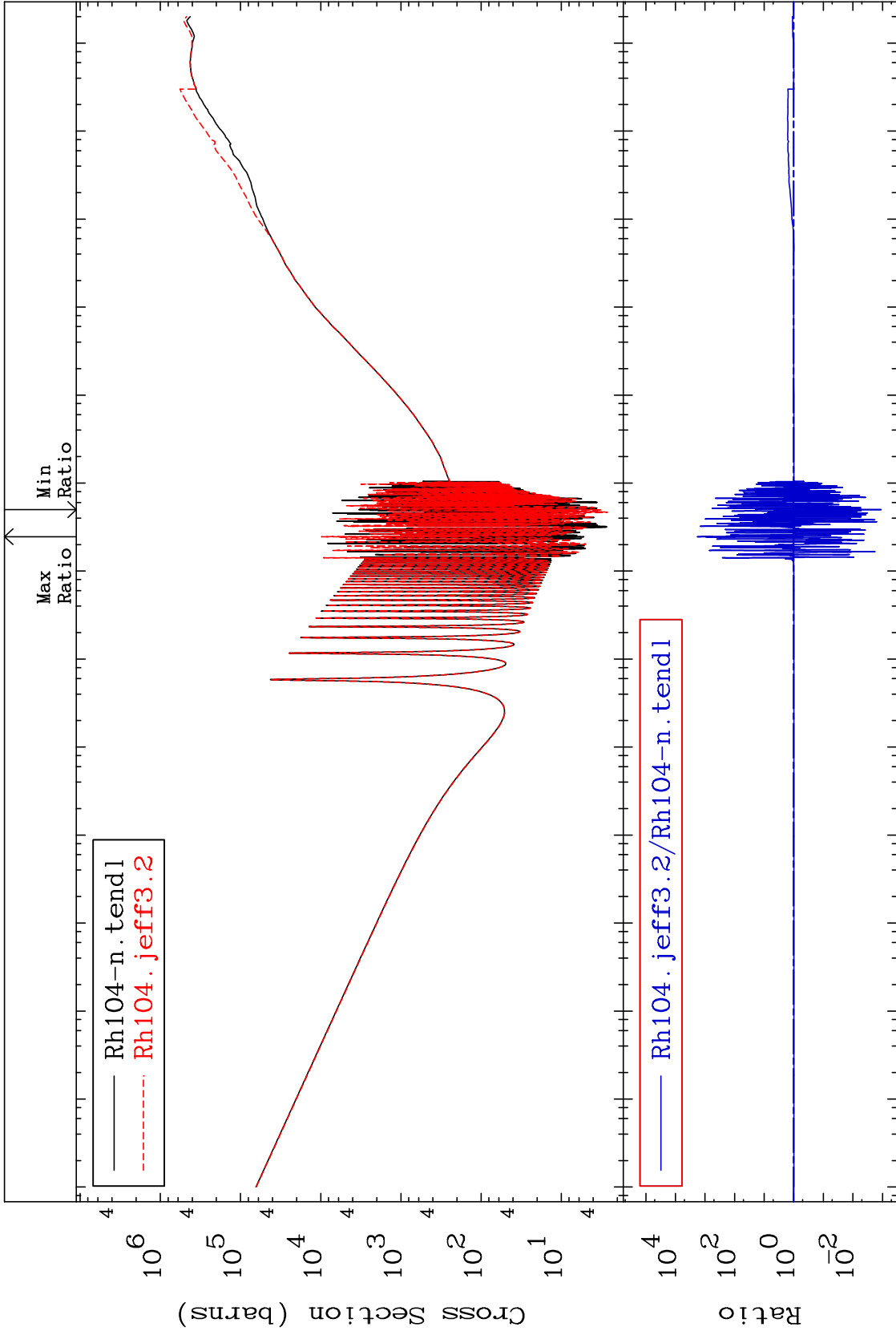
45-Rh-104

MAT 4528

Dpa total (eV-barns)

45-Rh-104

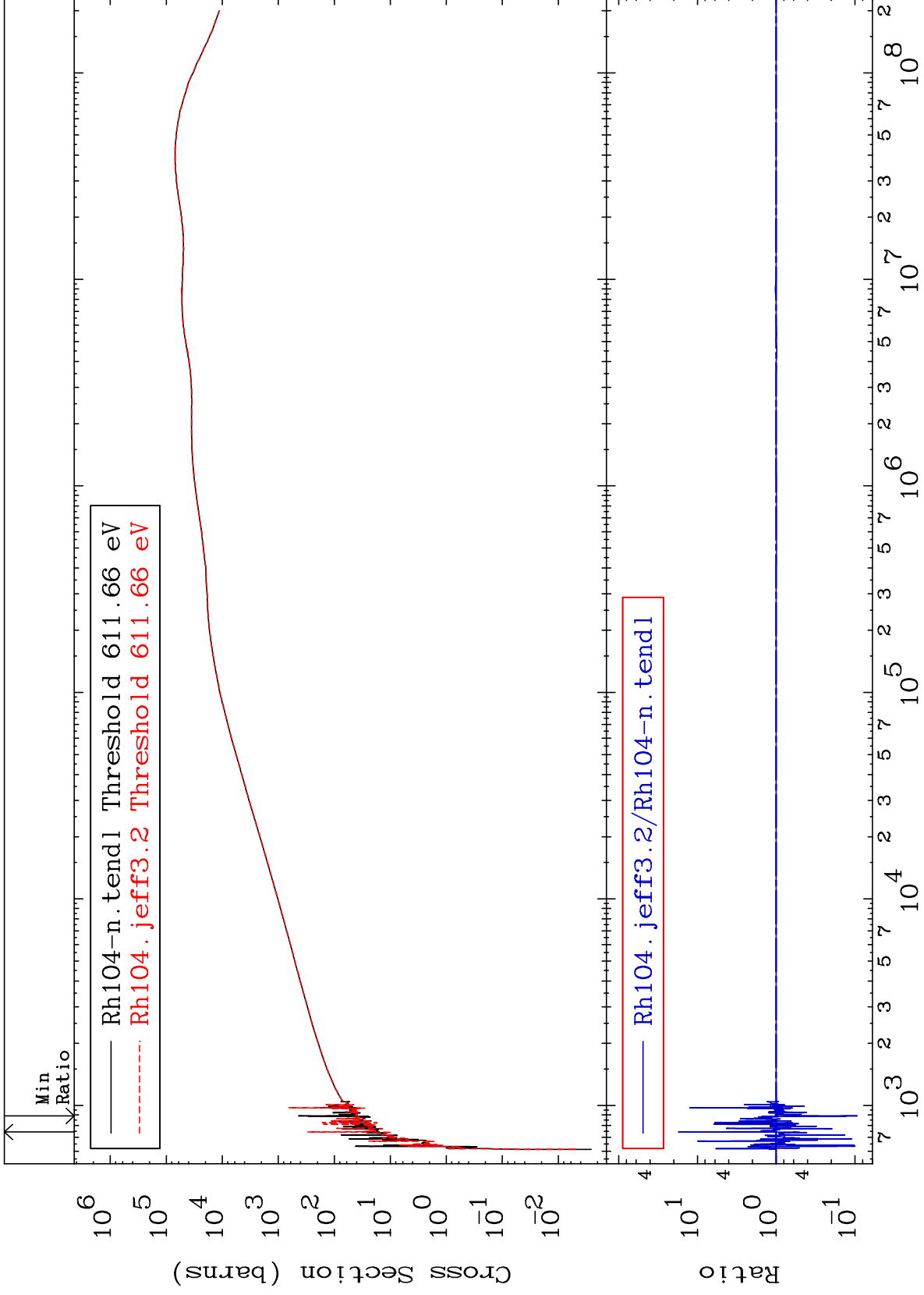
-99.89 To 9999. %



MAT 4528

Dpa elastic (mt2)  
Cross Section

45-Rh-104  
-90.65 To 1632. %



77

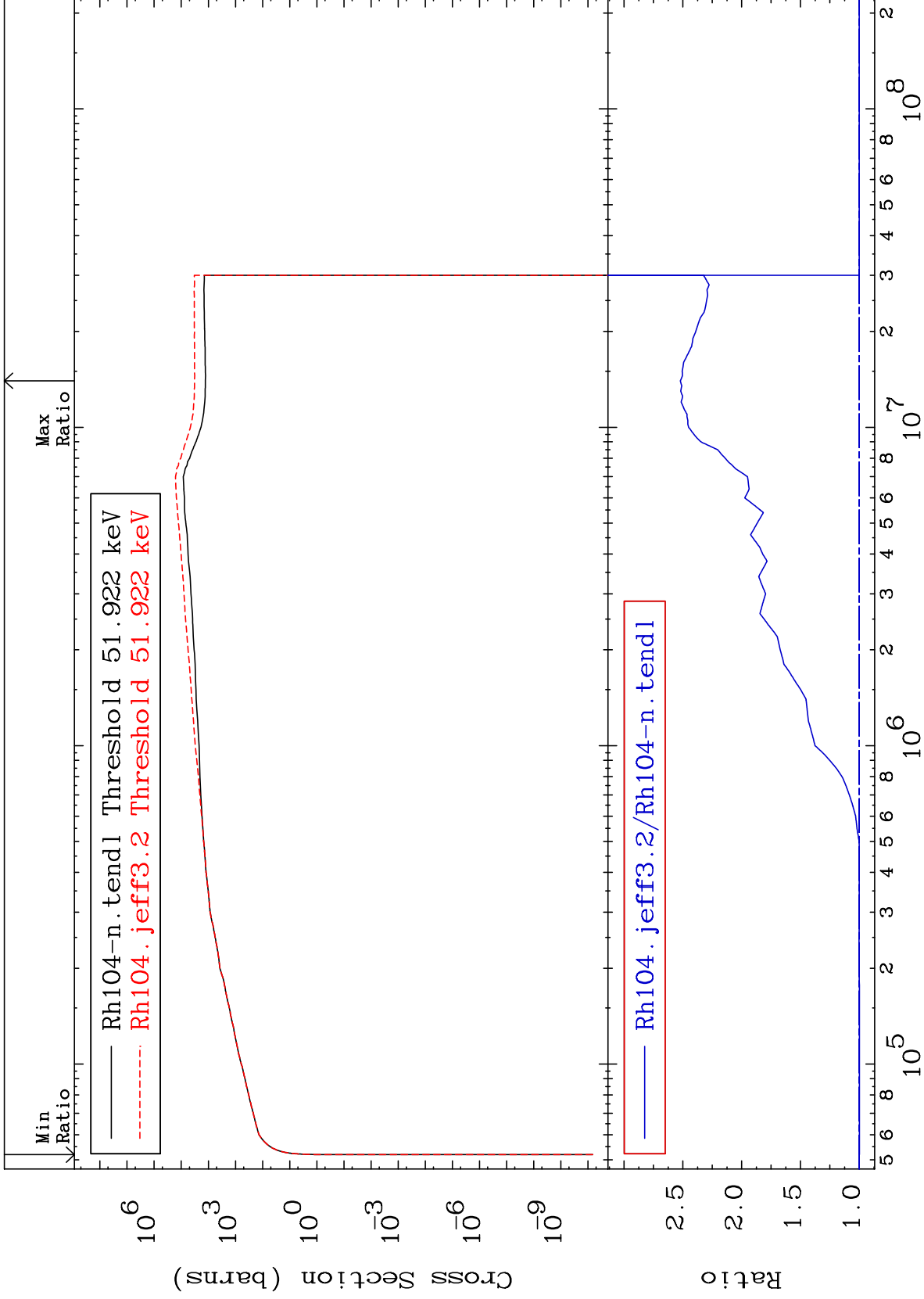
Incident Energy (eV)

45-Rh-104

MAT 4528

Dpa inelastic (mt51-91)  
Cross Section

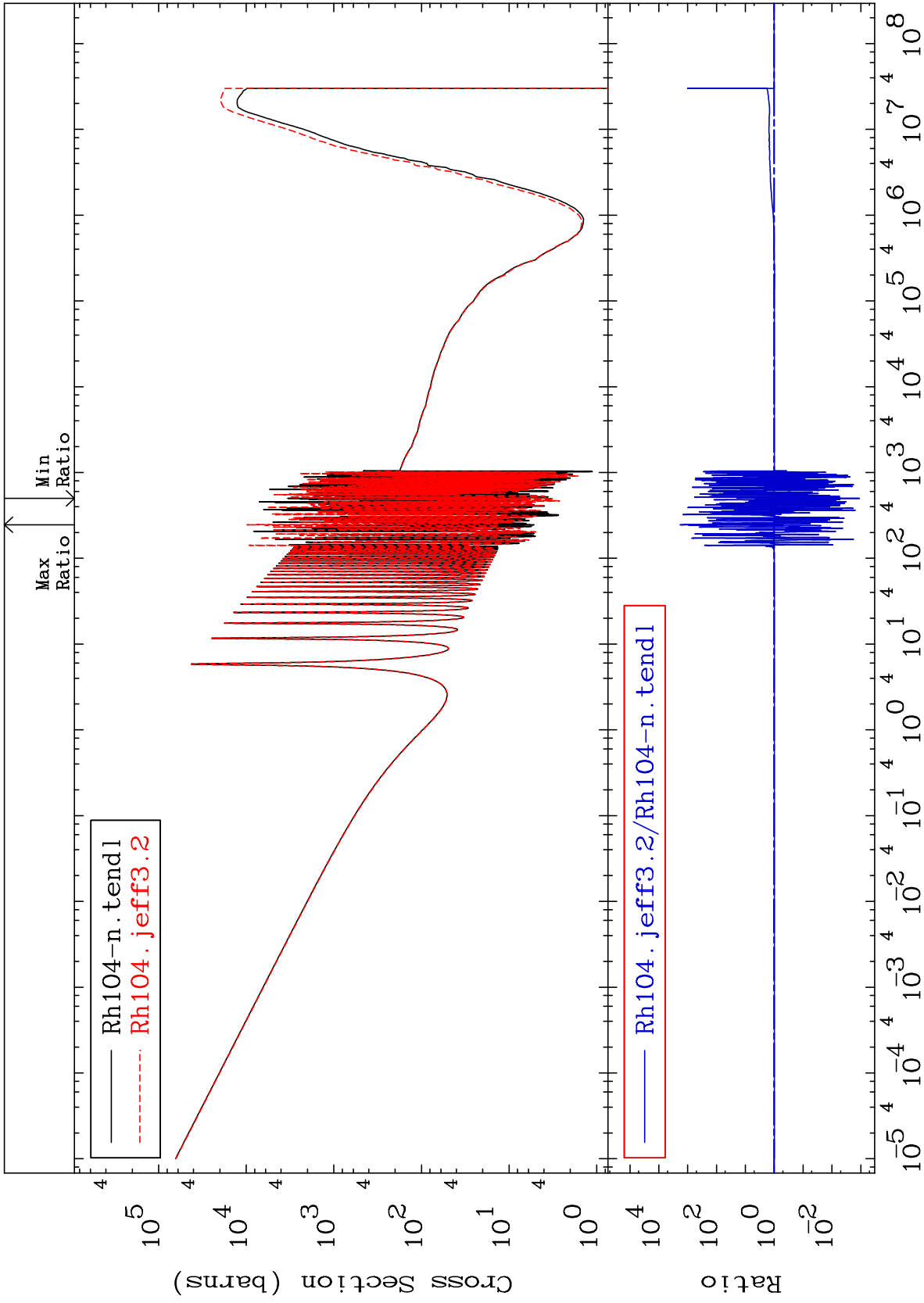
45-Rh-104  
-0.176 To 152.1 %



78

Incident Energy (eV)

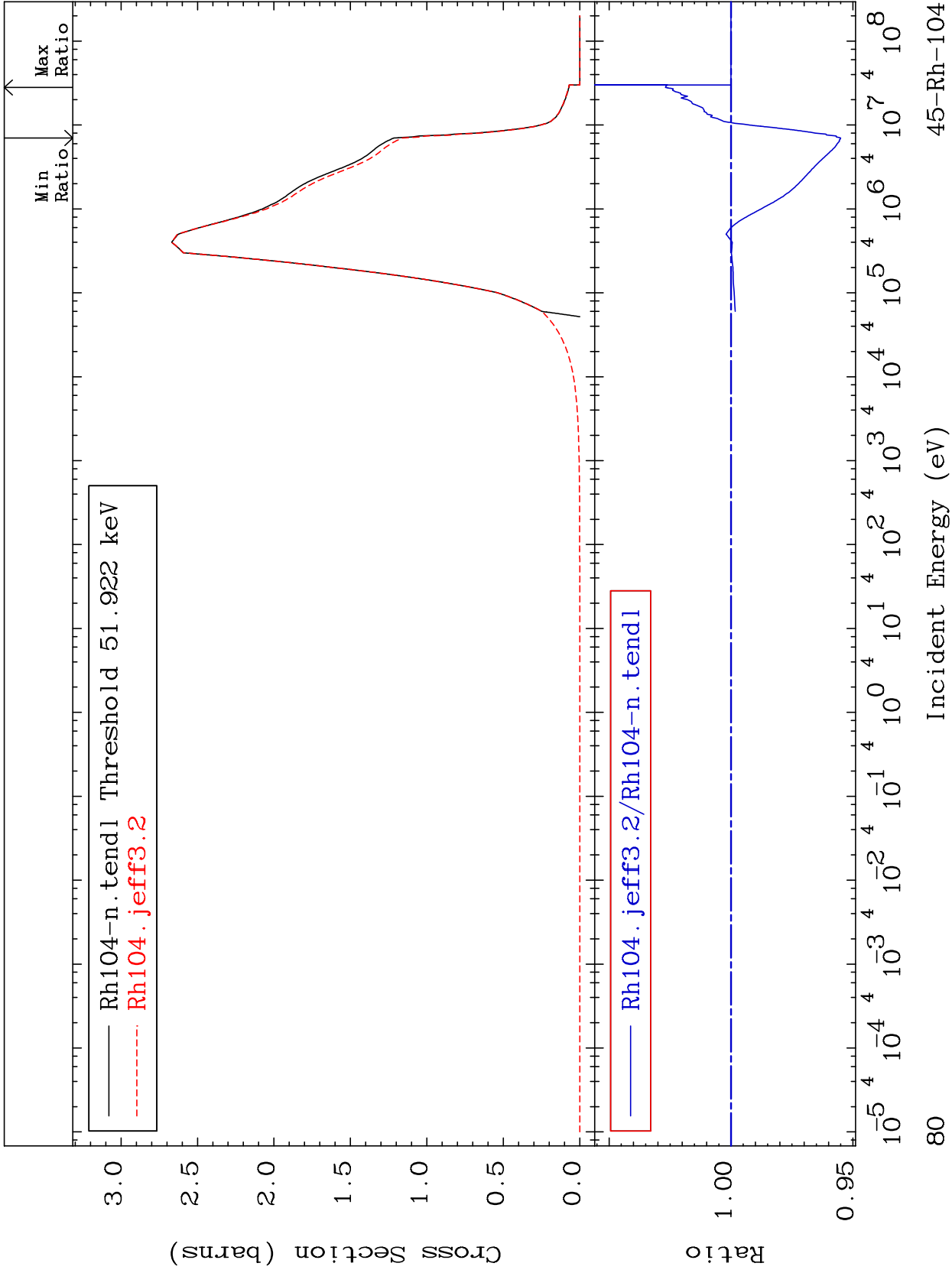
45-Rh-104



MAT 4528

Inelastic: 45-Rh-104  
Radionuclide Production Cross Section -4.497 To 2.687 %

45-Rh-104





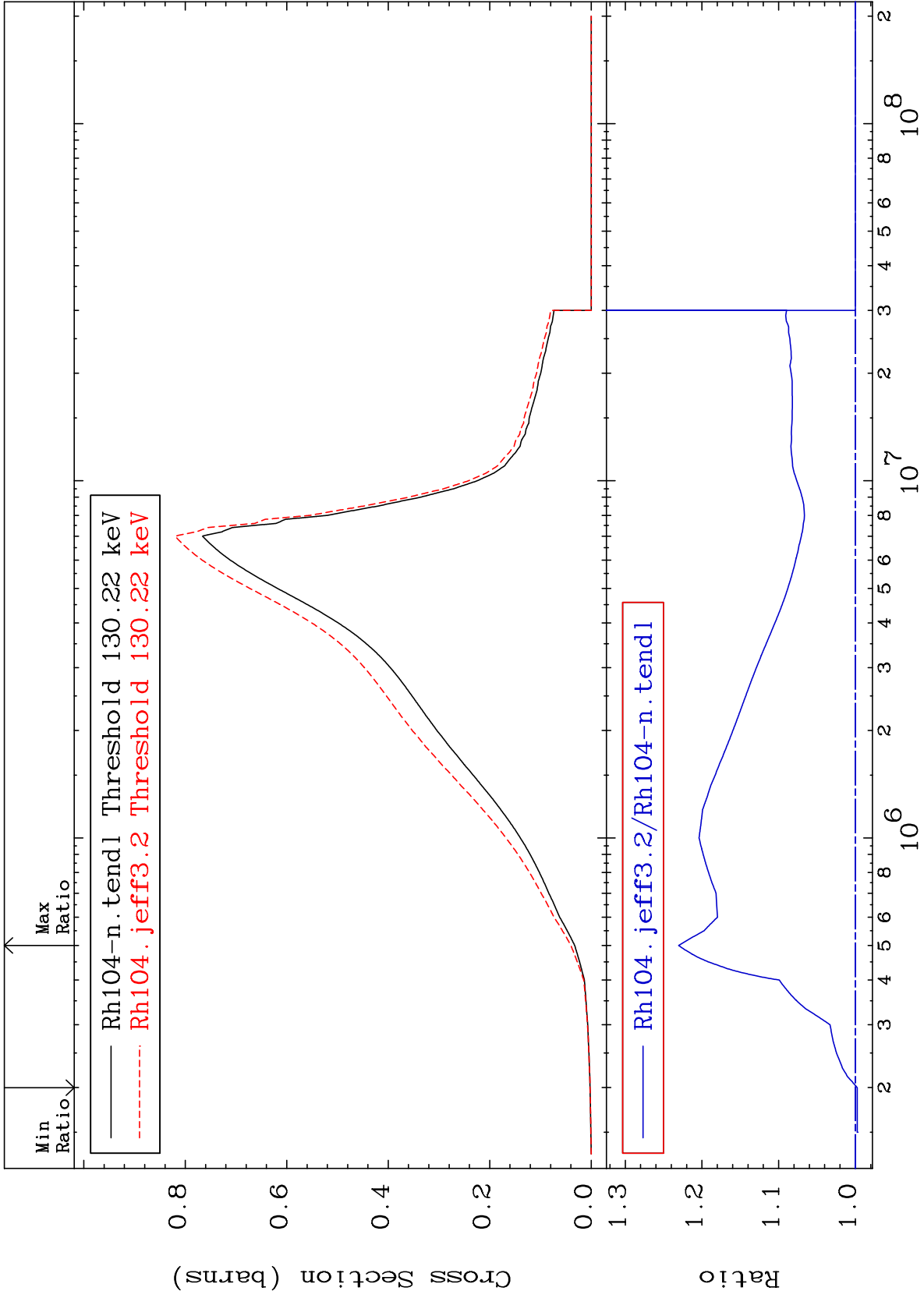
MAT 4528

Inelastic: 45-Rh-104m3

45-Rh-104

Radionuclide Production Cross Section

-0.247 To 23.04 %

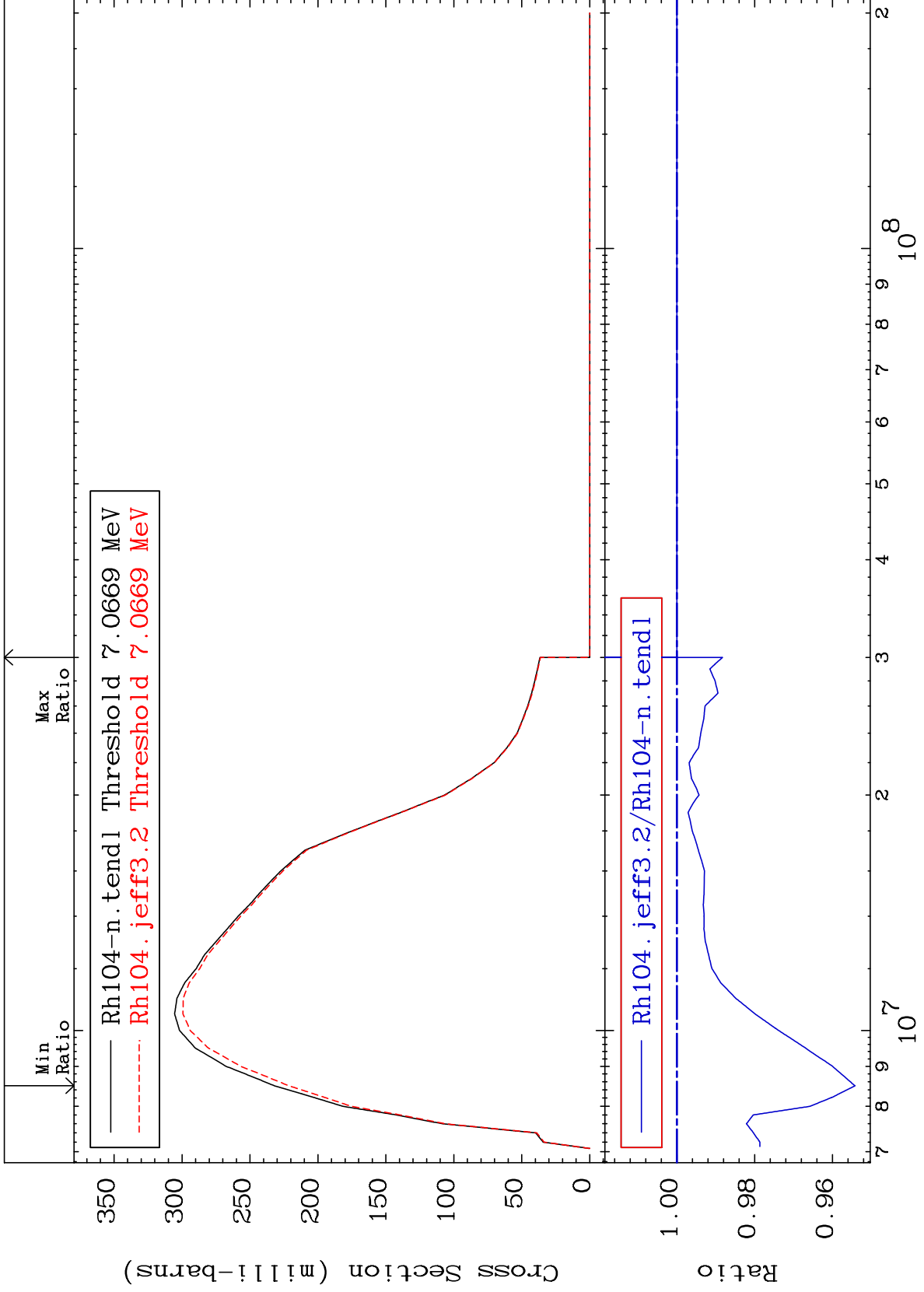


MAT 4528

(n,2n):45-Rh-103g

45-Rh-104

Radionuclide Production Cross Section -4.580 To 0.000 %



82

Incident Energy (eV)

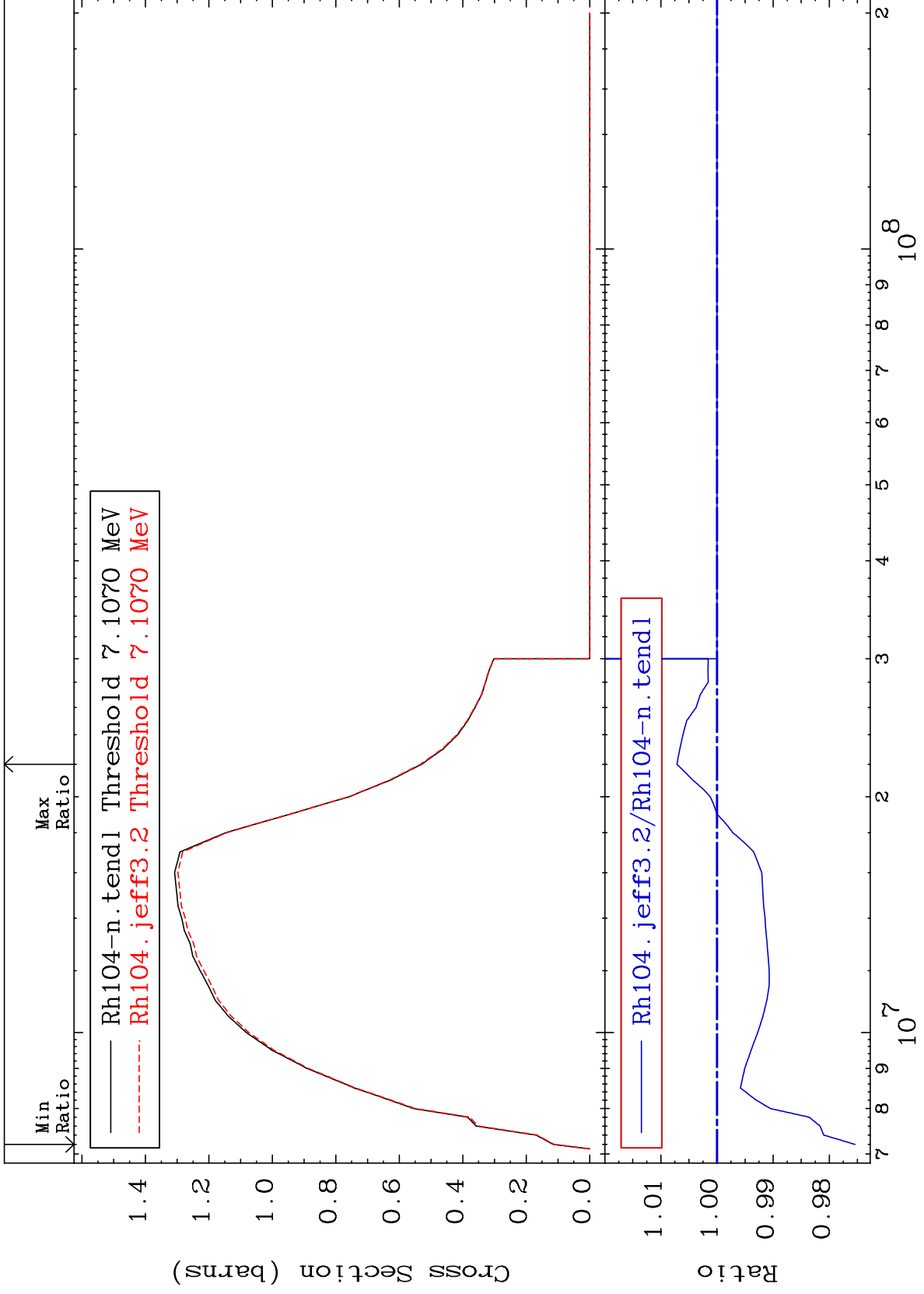
45-Rh-104

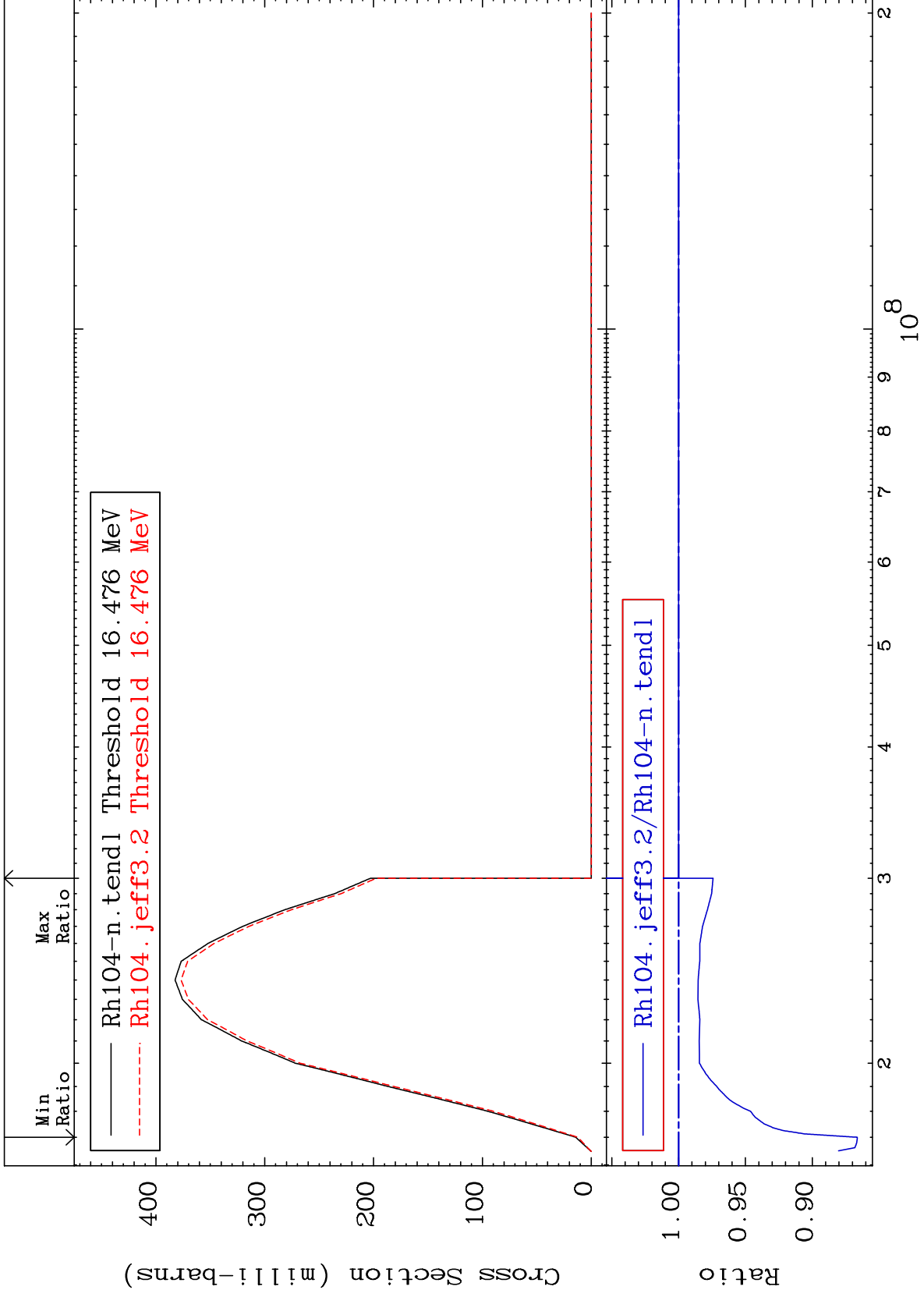
MAT 4528

(n,2n) : 45-Rh-103m1

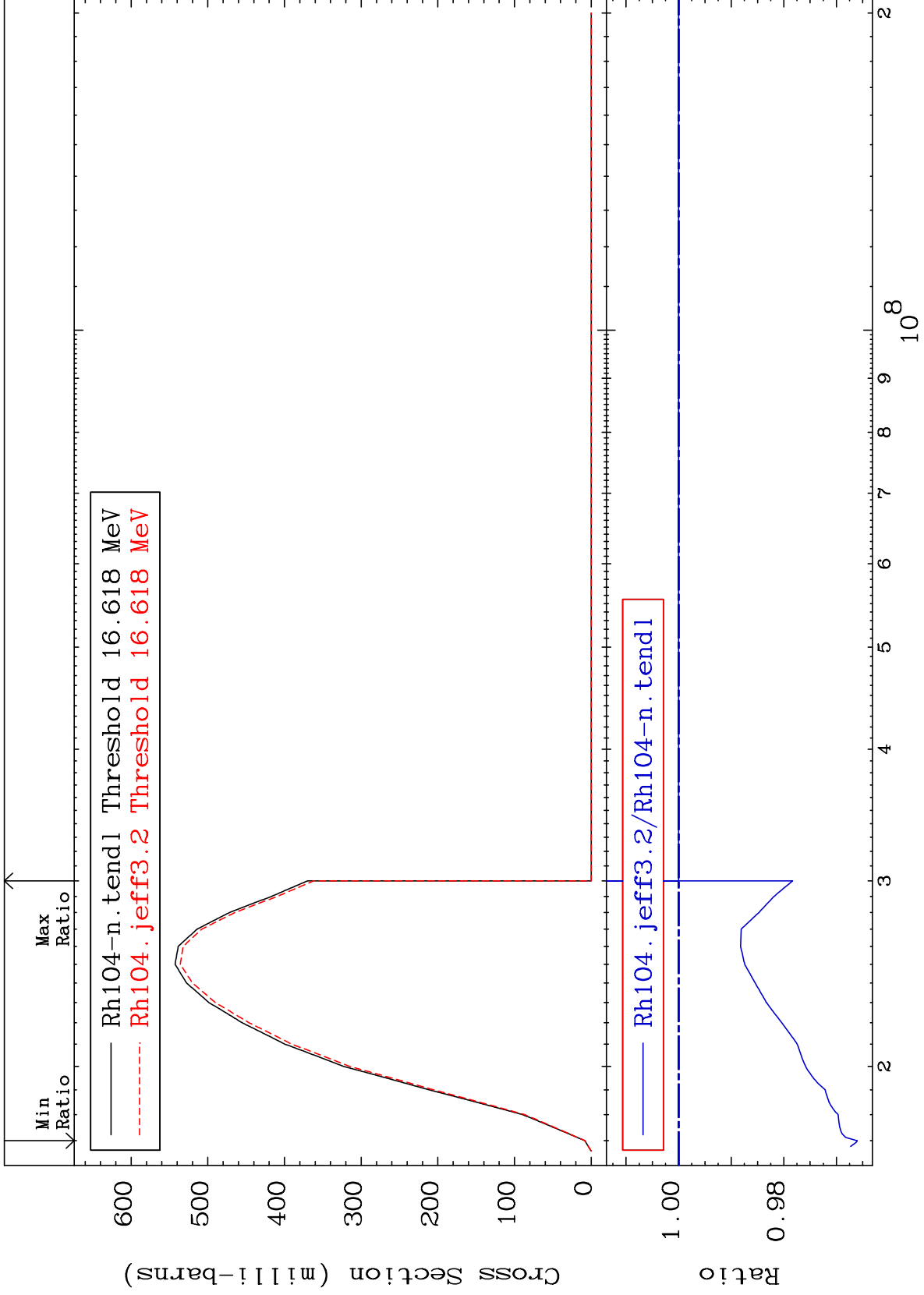
45-Rh-104

Radionuclide Production Cross Section -2.460 To 0.713 %





Radionuclide Production Cross Section -3.396 To 0.000 %

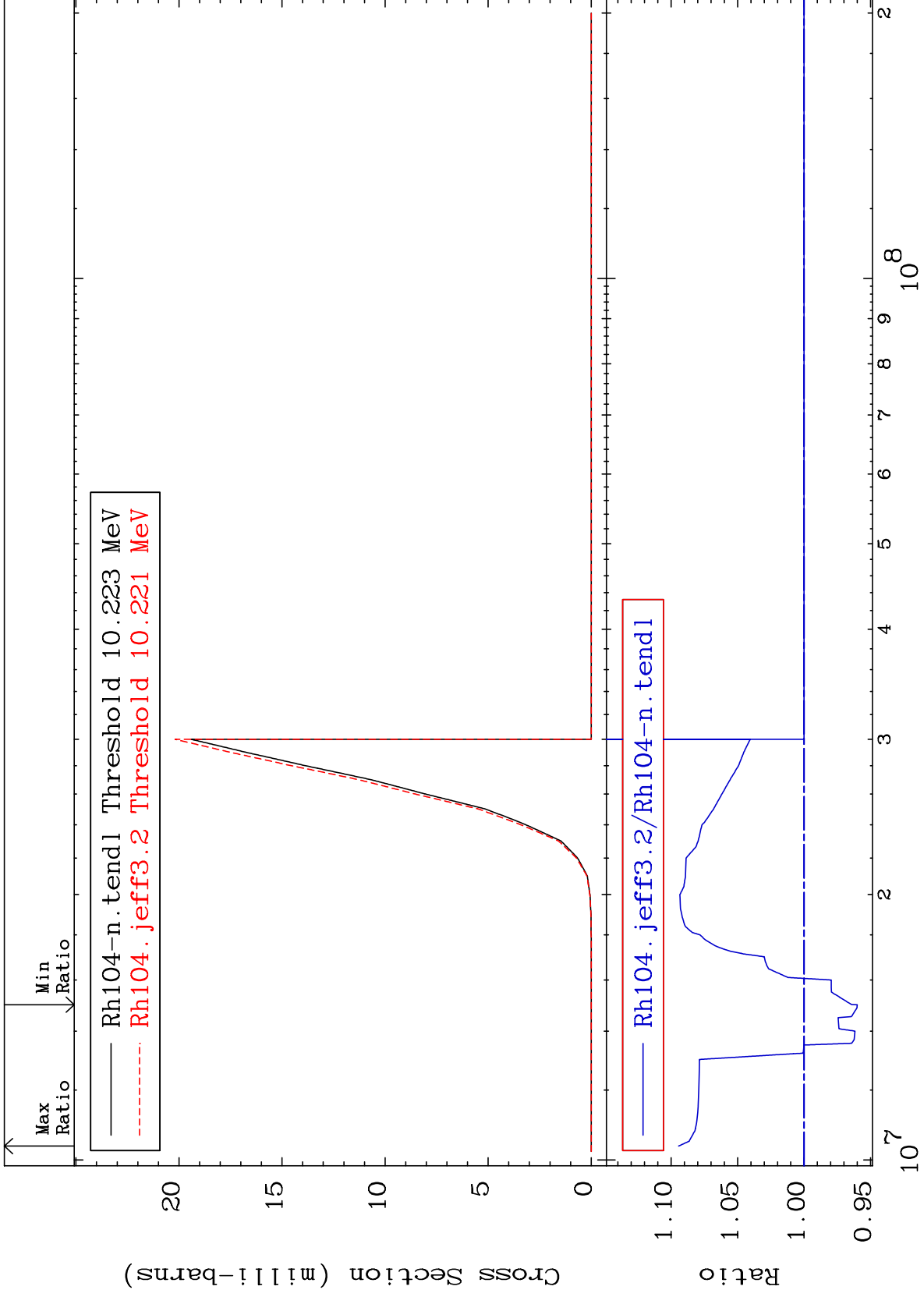


MAT 4528

(n,2n)  $\alpha$ :43-Tc-99g

45-Rh-104

Radionuclide Production Cross Section -3.998 To 9.433 %



86

Incident Energy (eV)

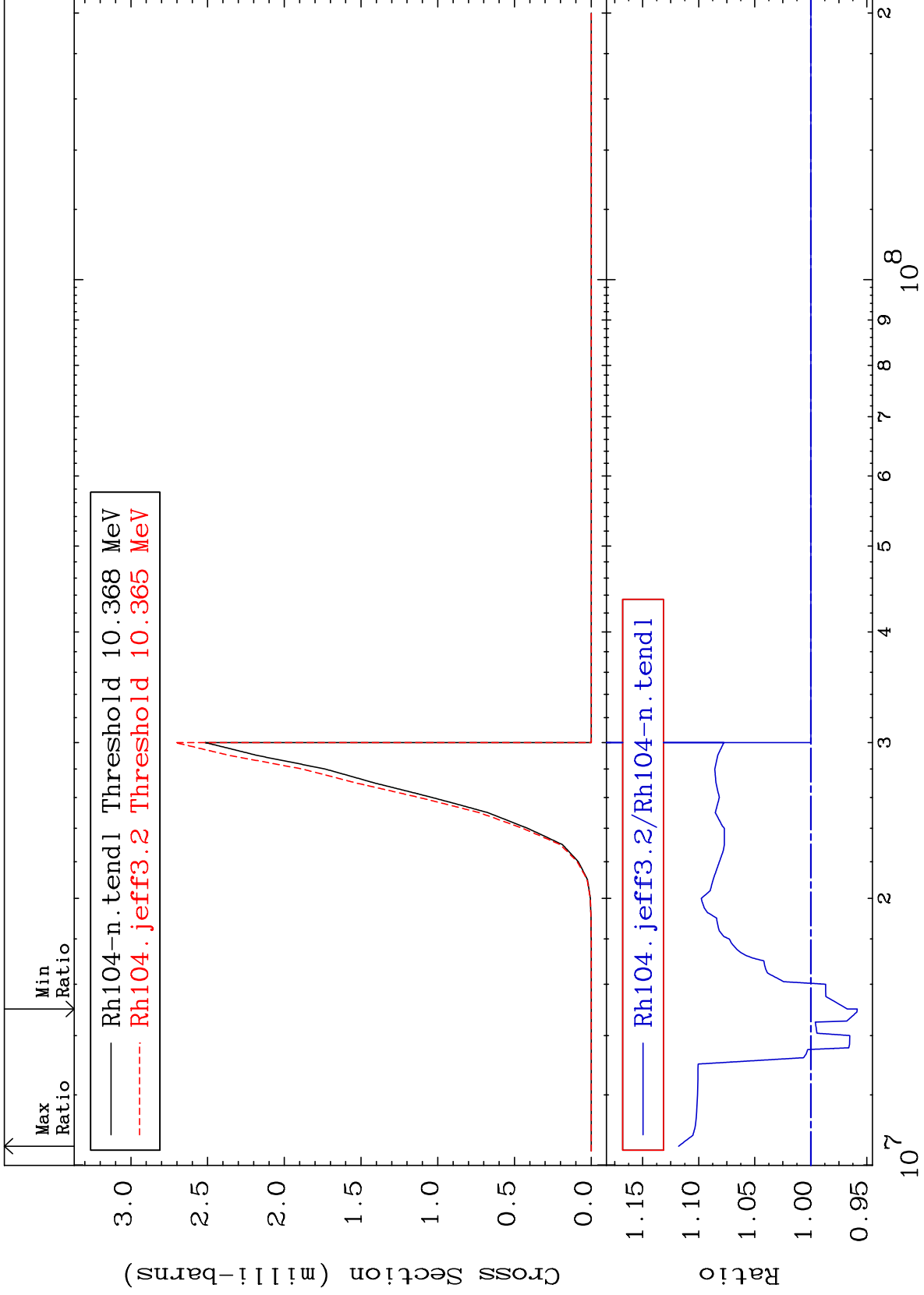
45-Rh-104

MAT 4528

(n,2n)  $\alpha$ : 43-Tc-99m2

45-Rh-104

Radionuclide Production Cross Section -4.138 To 11.79 %



87

Incident Energy (eV)

45-Rh-104

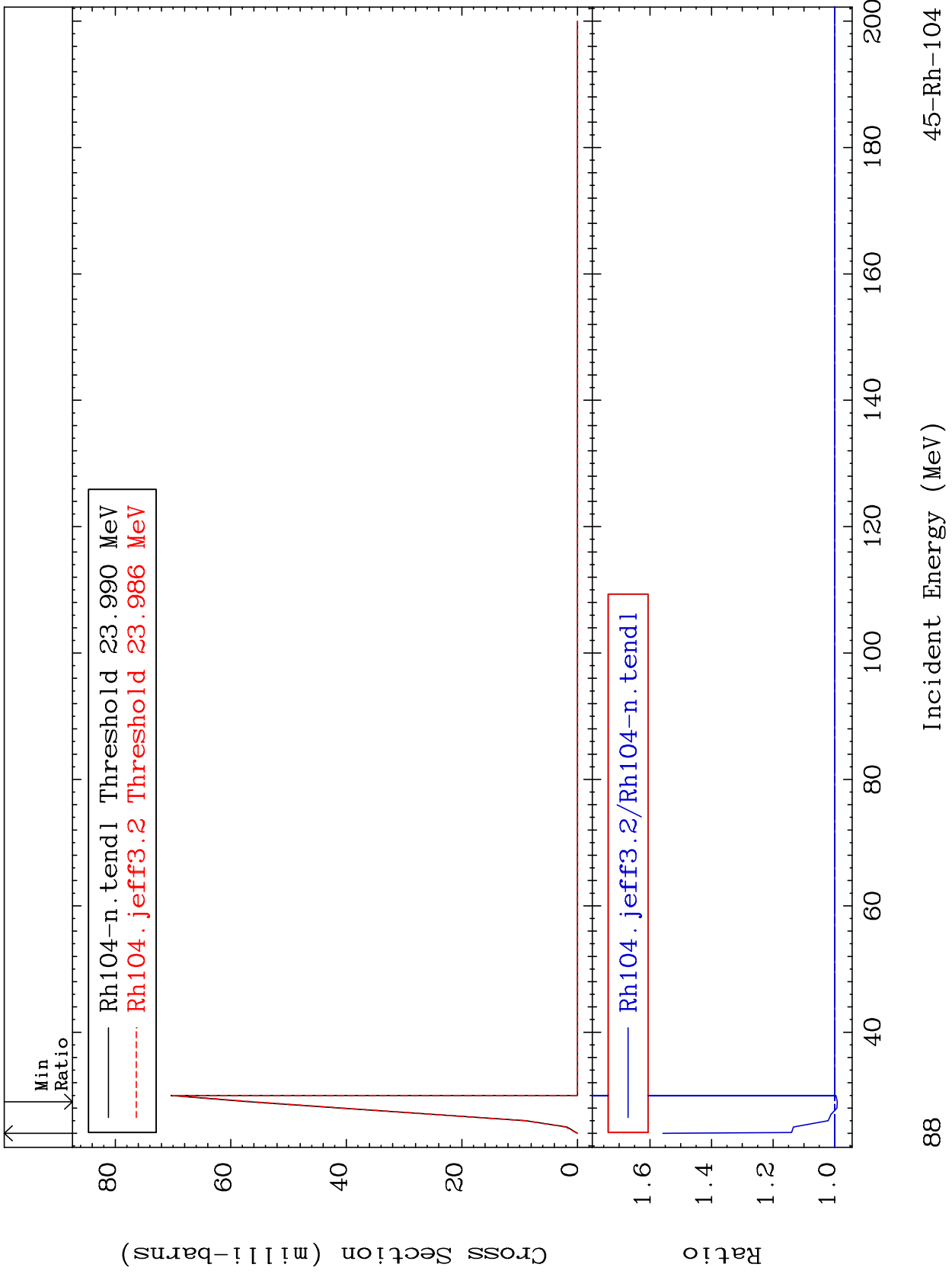
MAT 4528

(n,4n):45-Rh-101g

45-Rh-104

Radionuclide Production Cross Section

-0.845 To 55.80 %





MAT 4528

(n, 4n) : 45-Rh-101m1

45-Rh-104

Radionuclide Production Cross Section

-5.452 To 1.501 %

