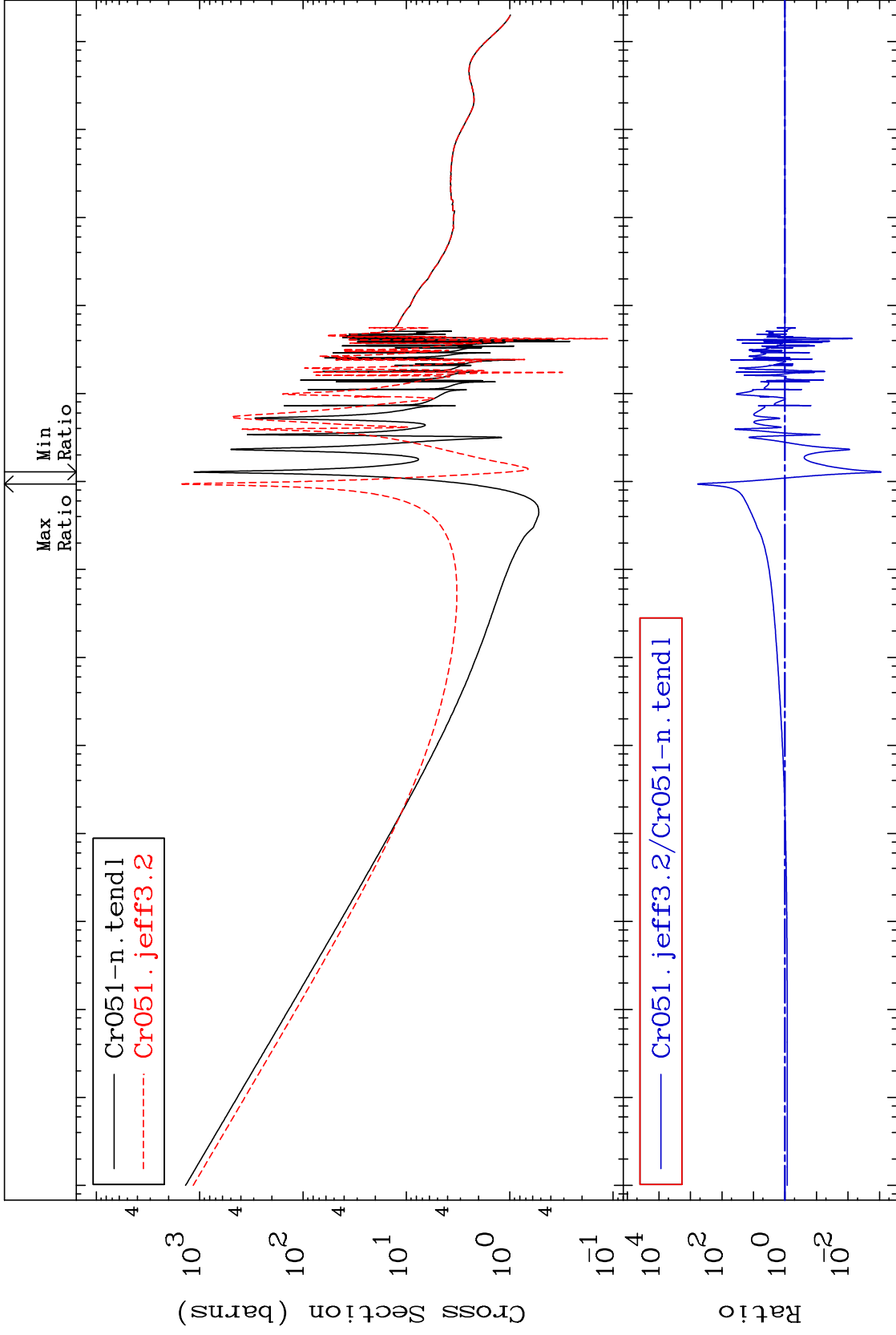


MAT 2428

Total
Cross Section

24-Cr-51
-99.91 To 9999. %

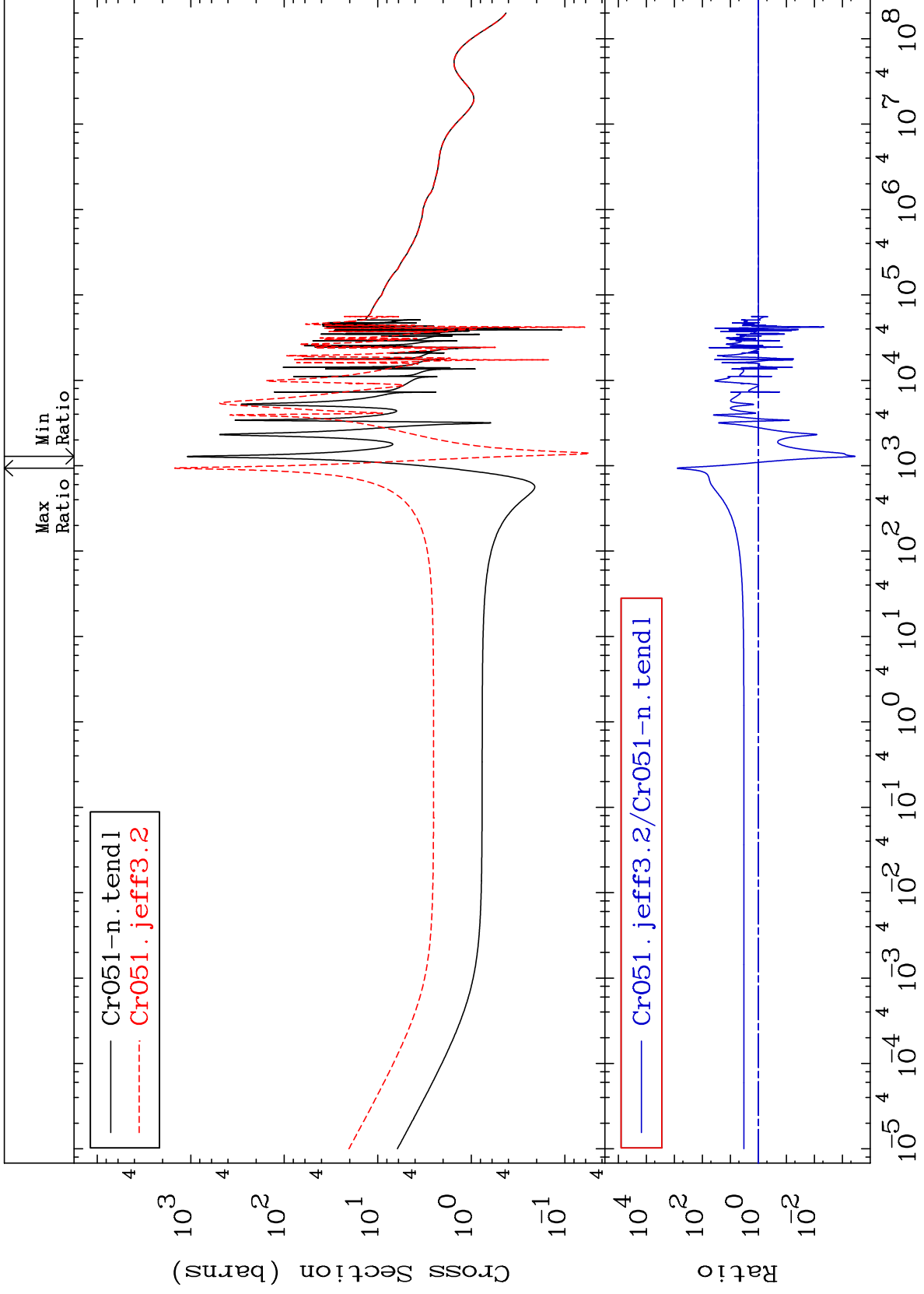


24-Cr-51

MAT 2428

Elastic
Cross Section

24-Cr-51
-99.96 To 9999. %



2

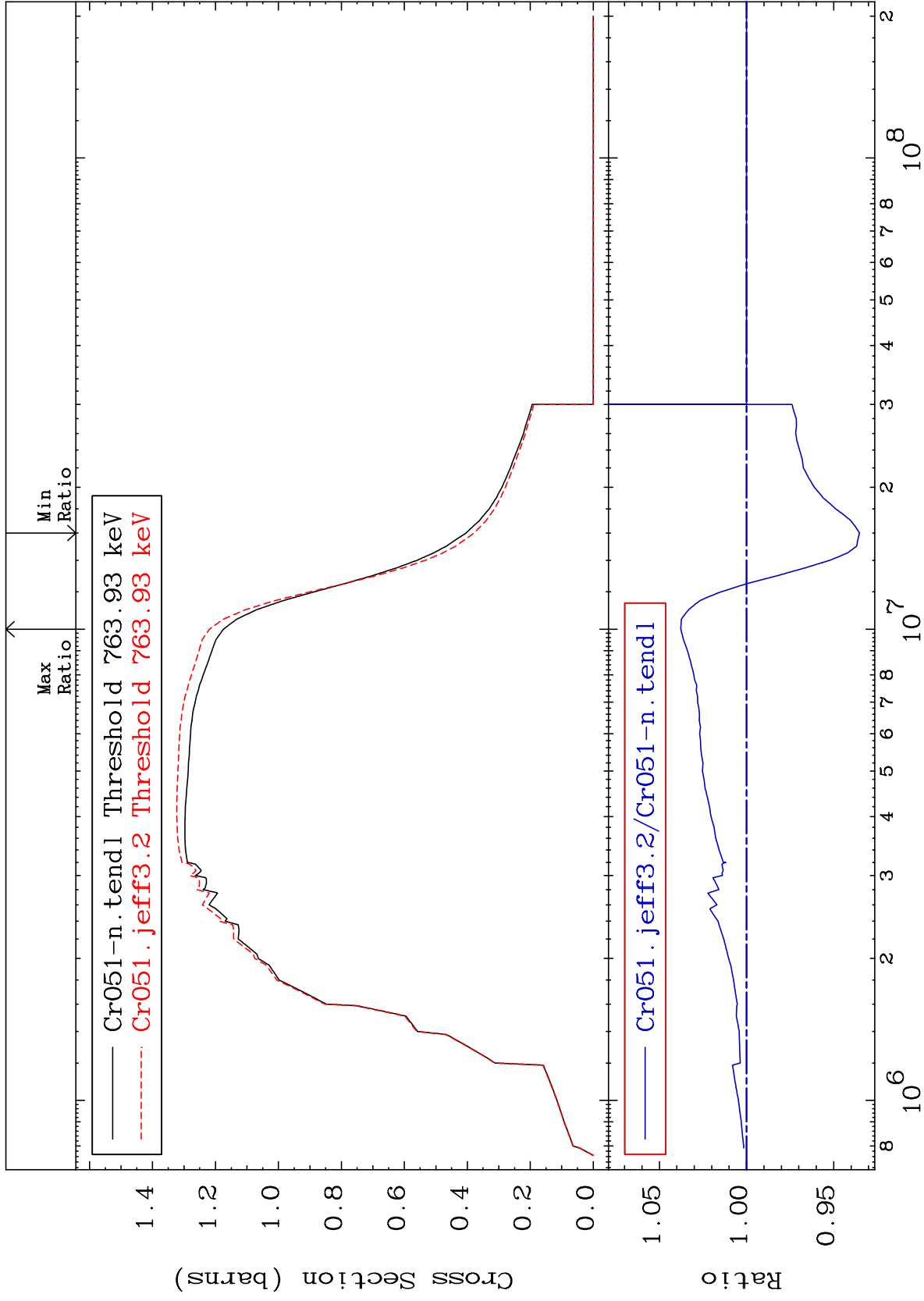
Incident Energy (eV)

24-Cr-51

MAT 2428

²⁴Cr-51
-6.483 To 3.774 %

Inelastic
Cross Section



3

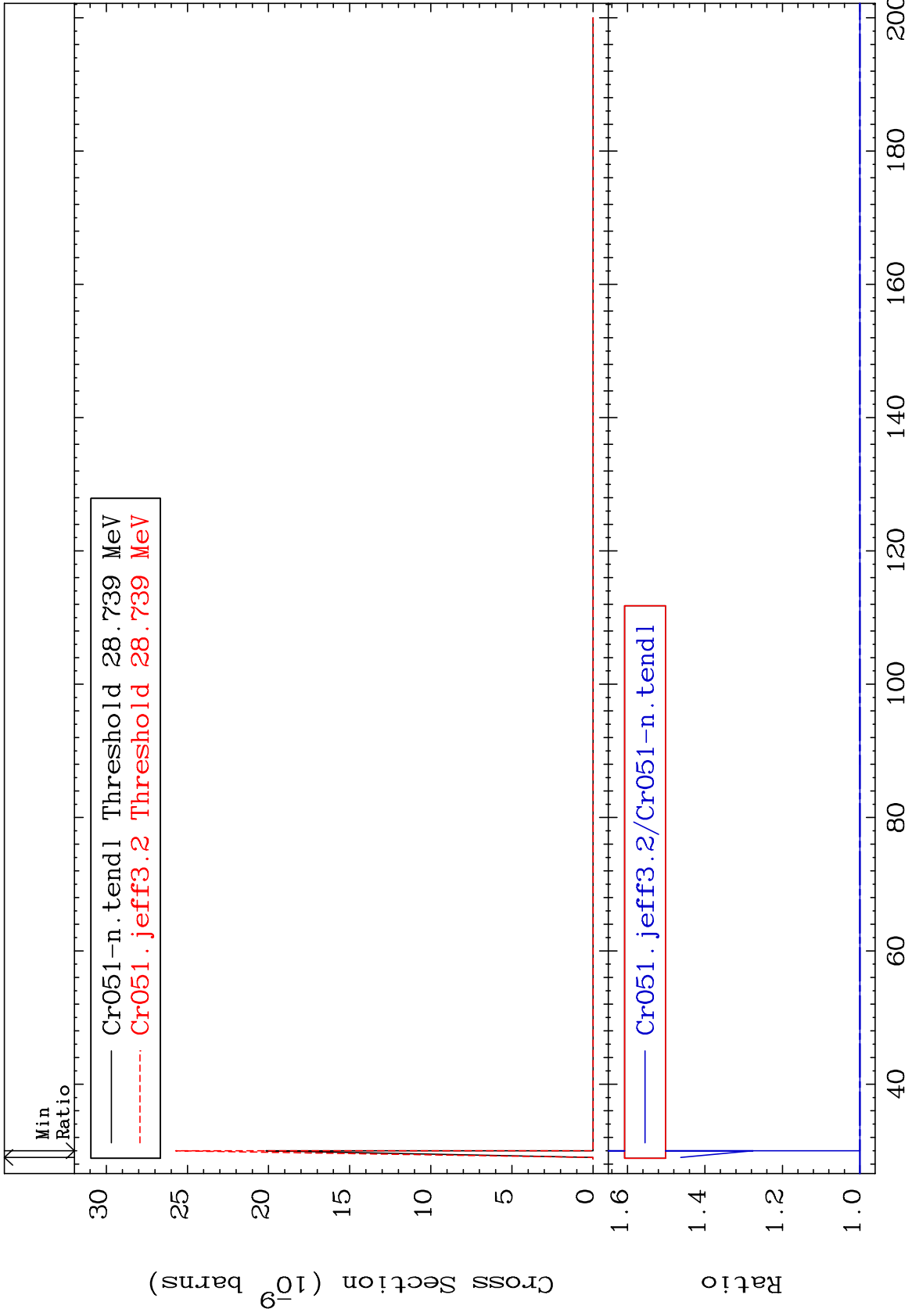
Incident Energy (eV)

²⁴Cr-51

MAT 2428

(n,2n) d
Cross Section

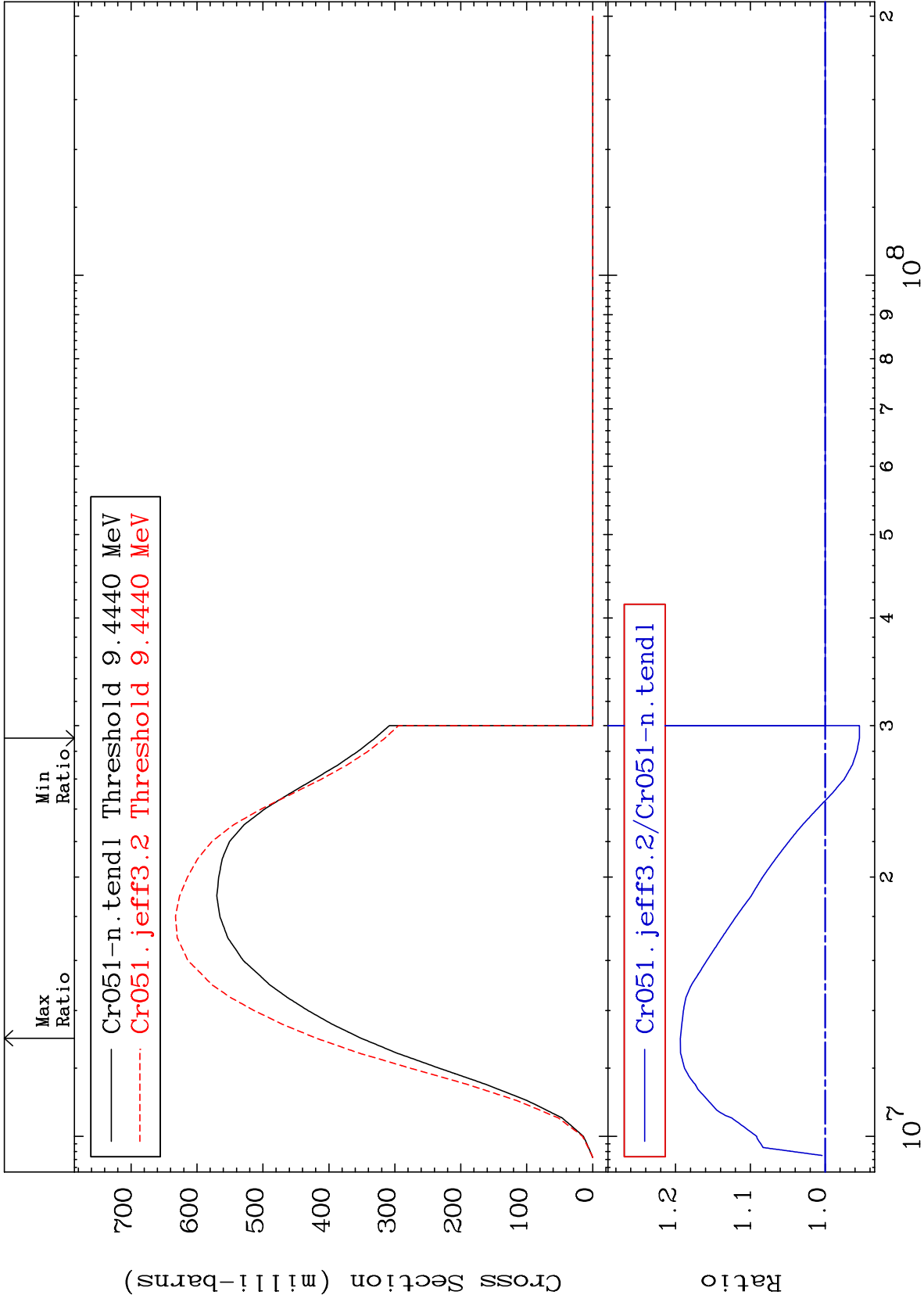
24-Cr-51
0.000 To 46.23 %



MAT 2428

(n,2n)
Cross Section

²⁴Cr-51
-4.585 To 19.36 %



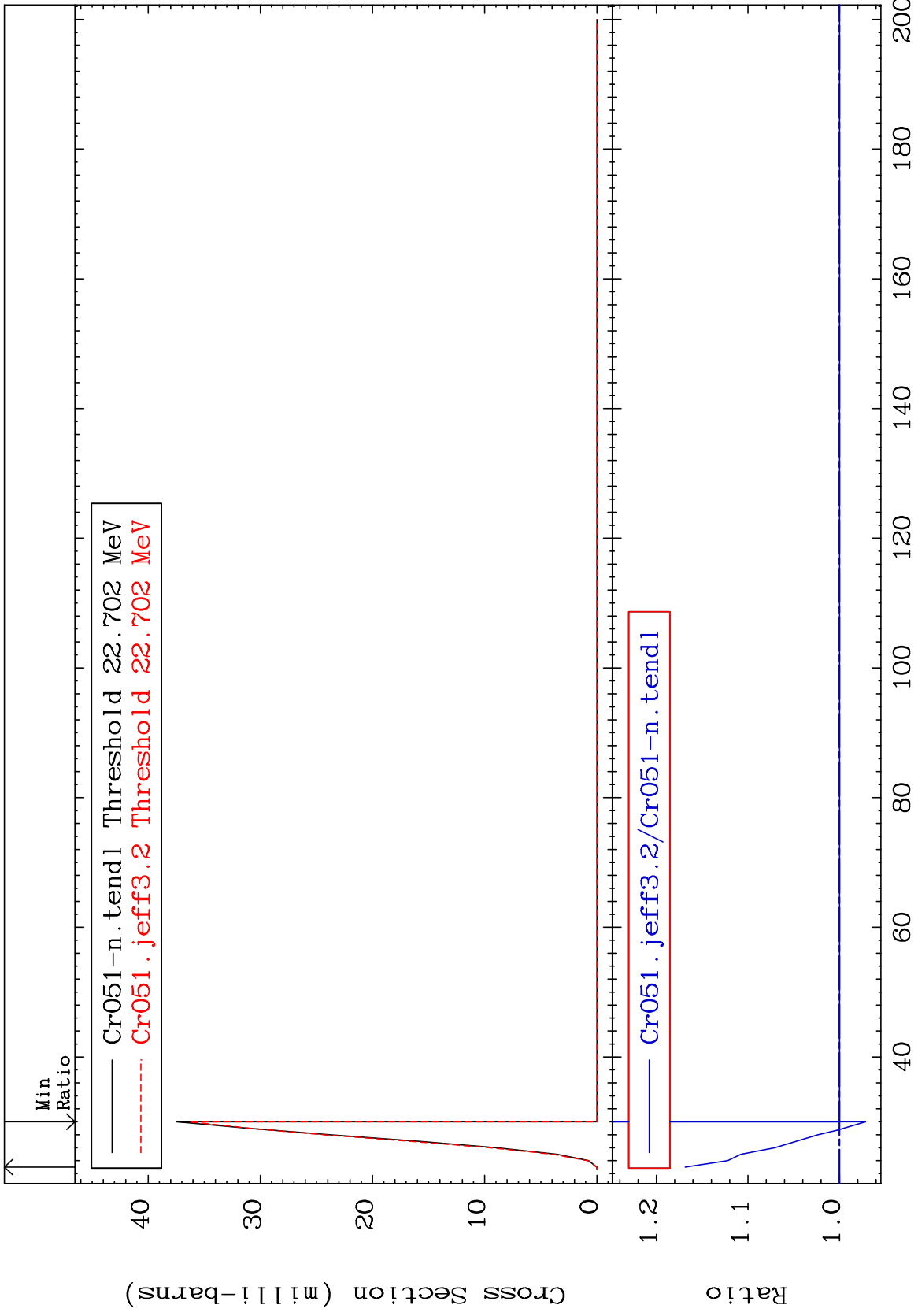
24-Cr-51

24-Cr-51

MAT 2428

(n,3n)
Cross Section

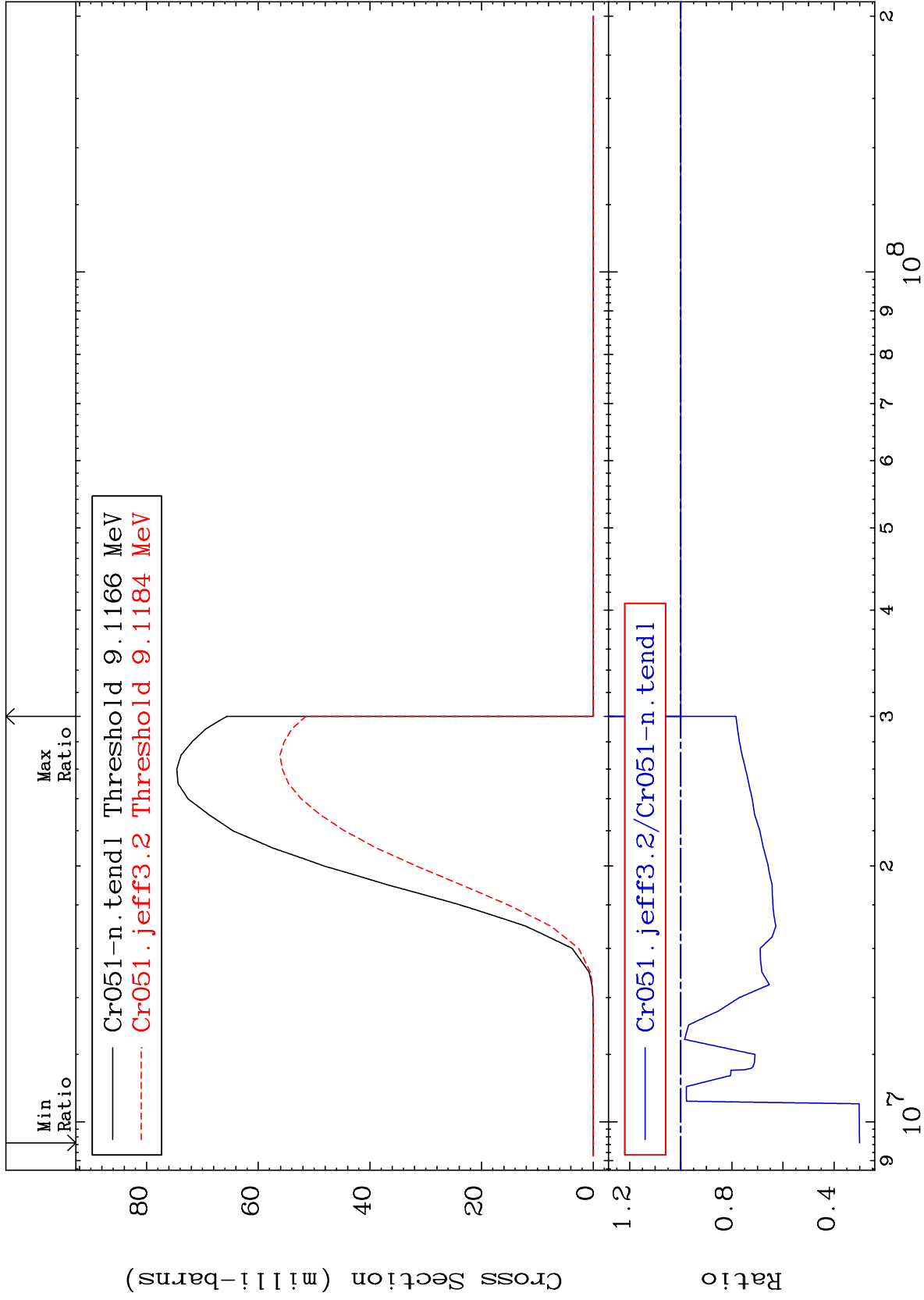
²⁴Cr-51
-2.856 To 16.85 %



MAT 2428

(n, n') α
Cross Section

²⁴Cr-51
-69.95 To 0.000 %



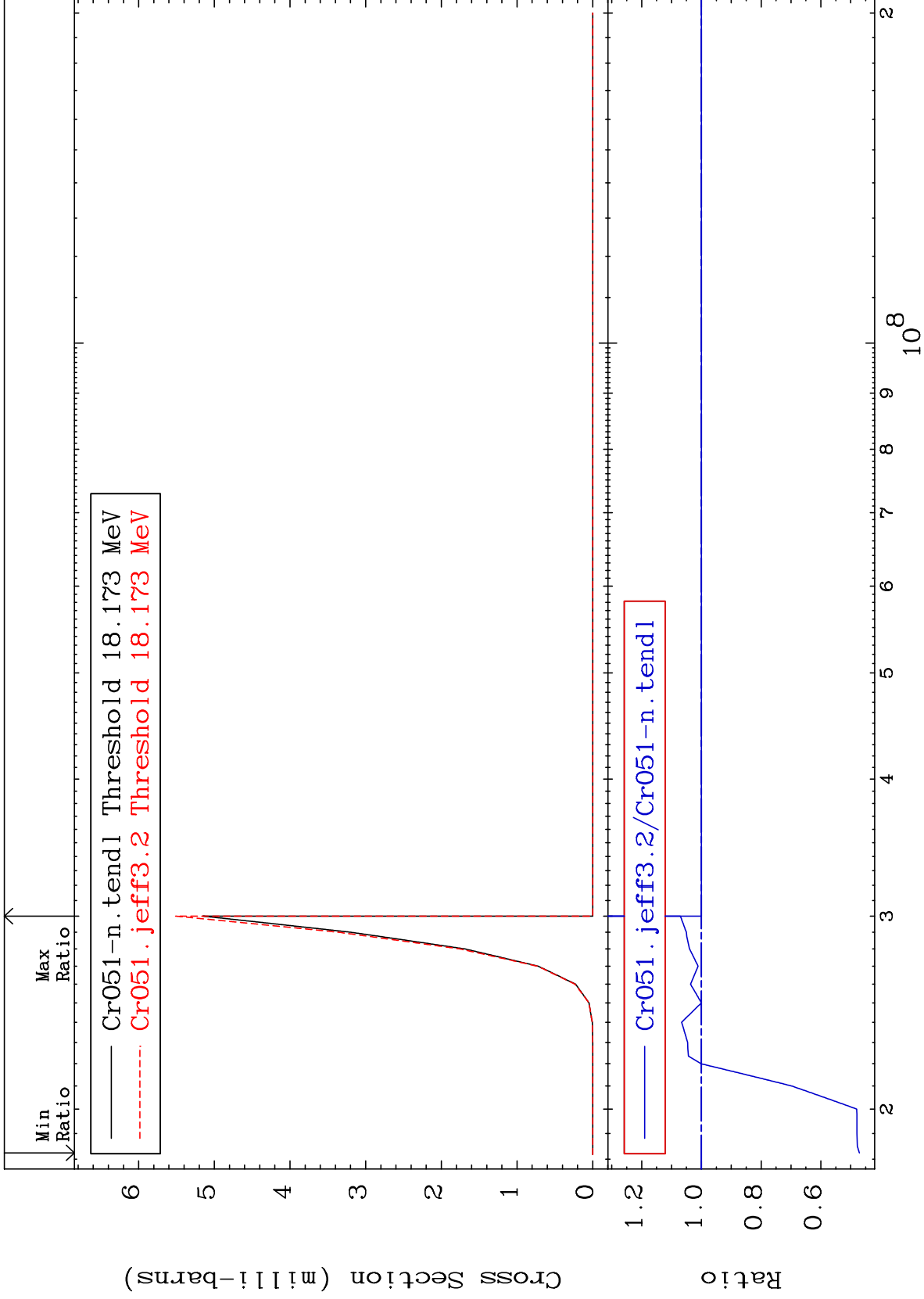
Incident Energy (eV)

²⁴Cr-51

MAT 2428

(n,2n) α
Cross Section

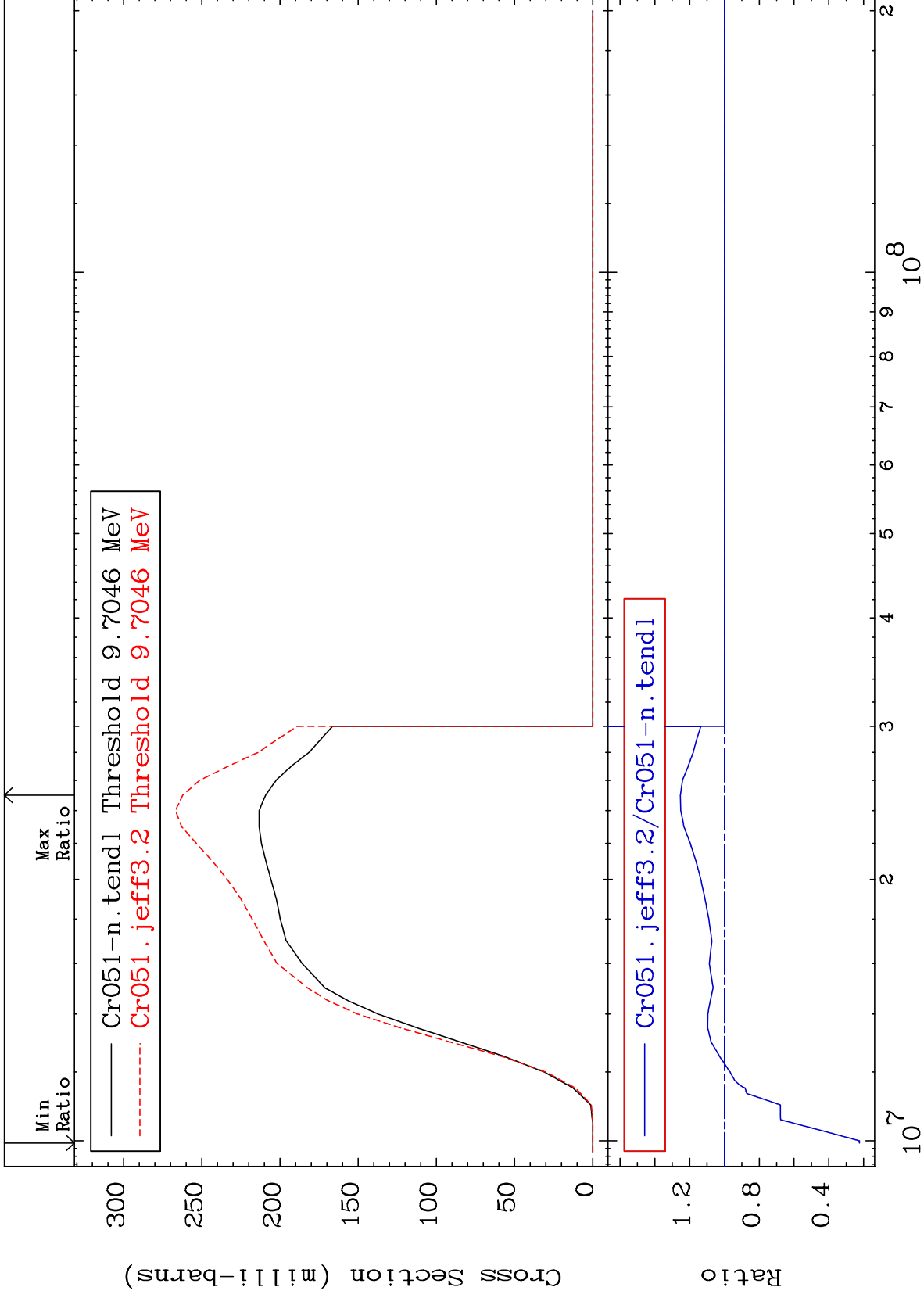
²⁴Cr-51
-52.91 To 7.041 %



MAT 2428

(n,n') p
Cross Section

²⁴Cr-51
-77.57 To 25.33 %



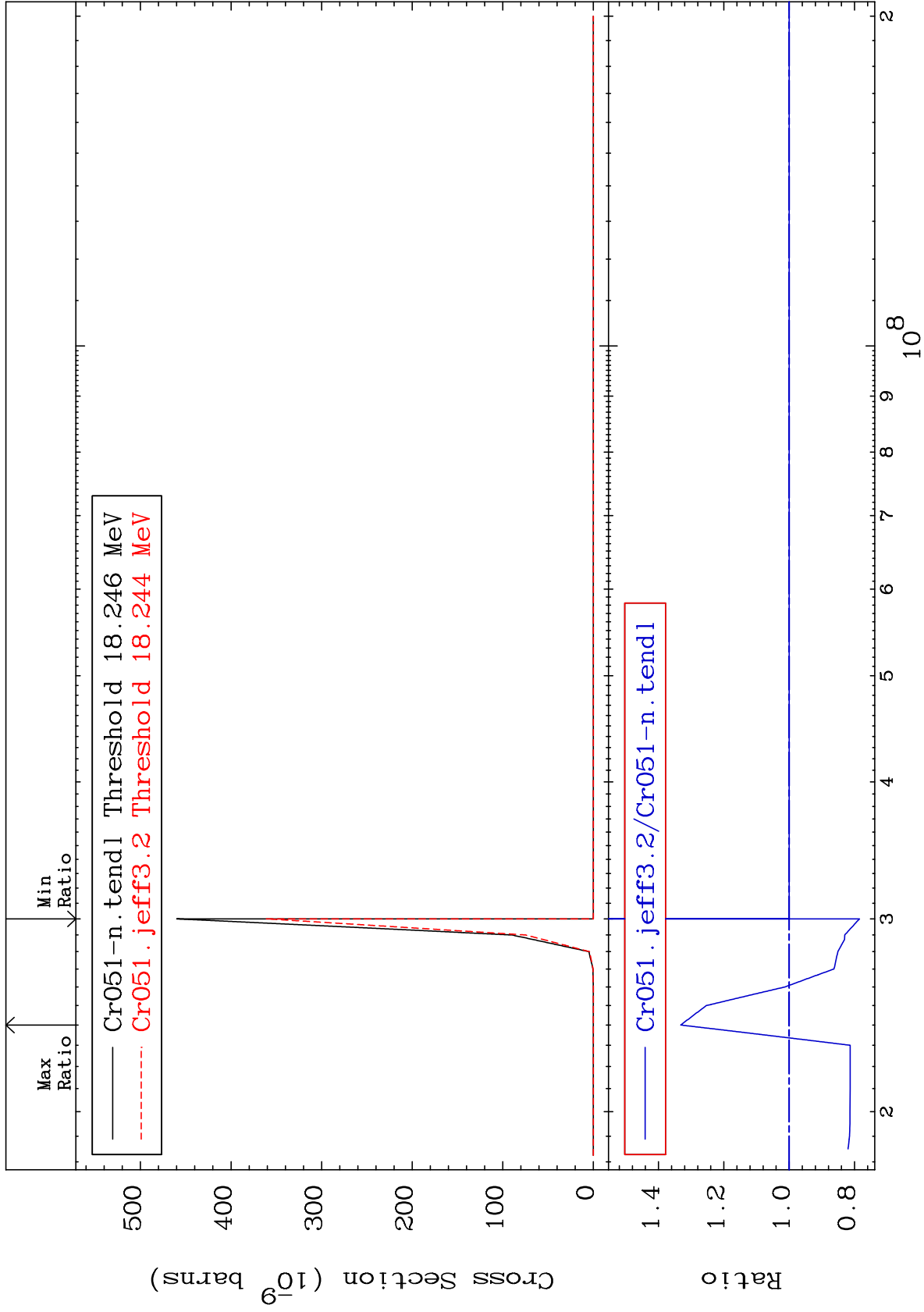
Incident Energy (eV)

²⁴Cr-51

MAT 2428

(n, n') 2α
Cross Section

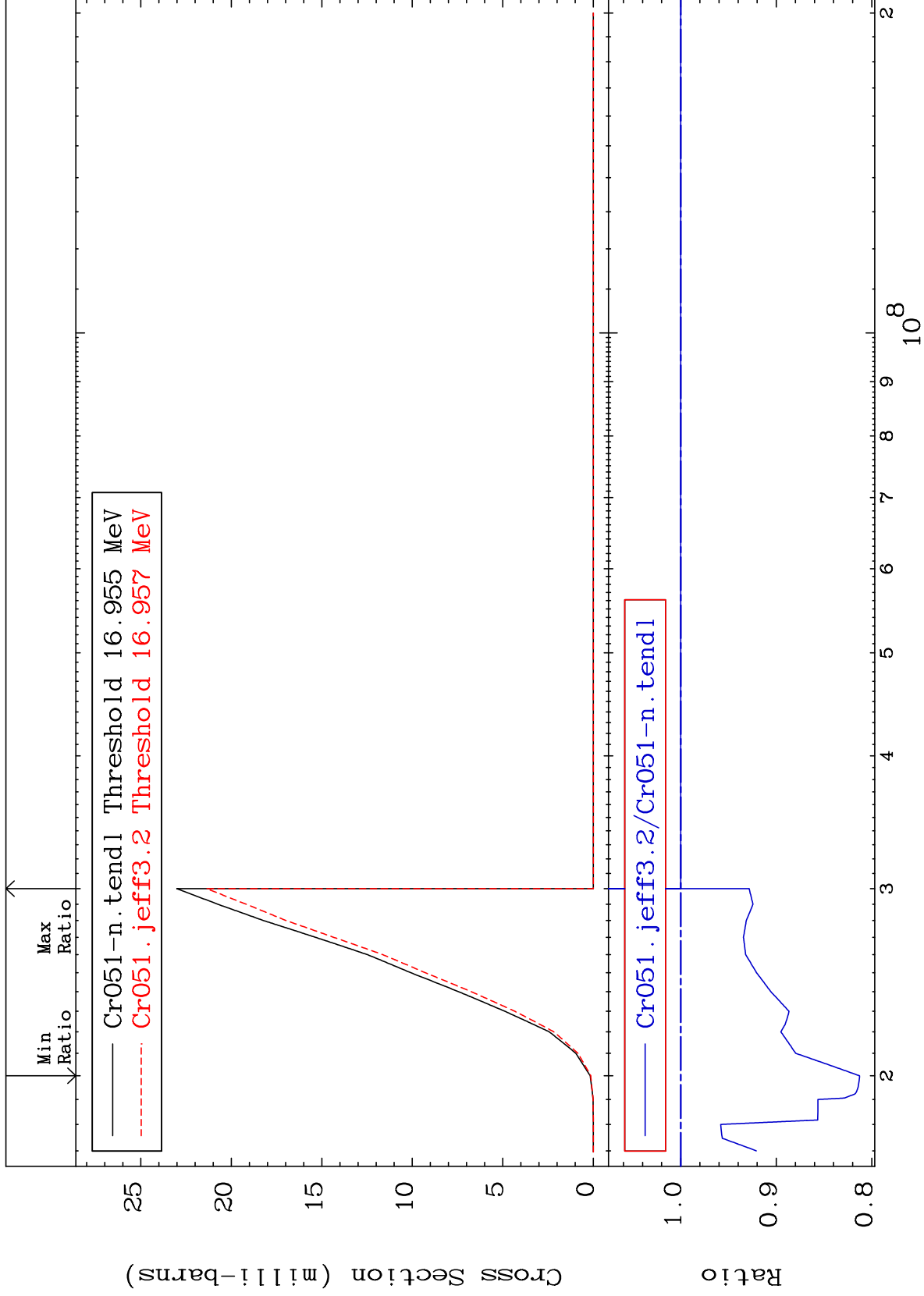
$^{24}\text{Cr-51}$
-21.52 To 33.19 %



10

Incident Energy (eV)

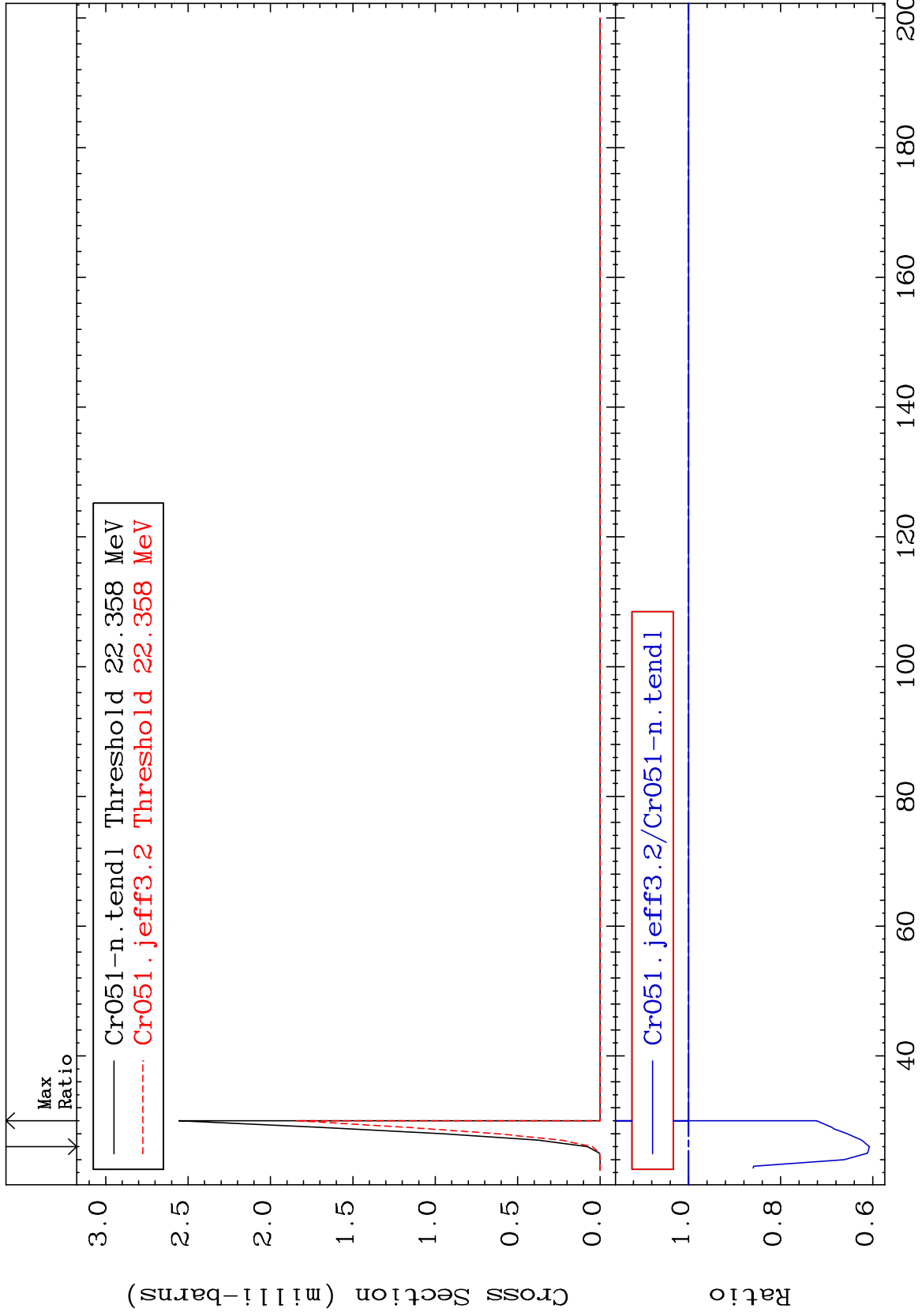
$^{24}\text{Cr-51}$



MAT 2428

(n, n') t
Cross Section

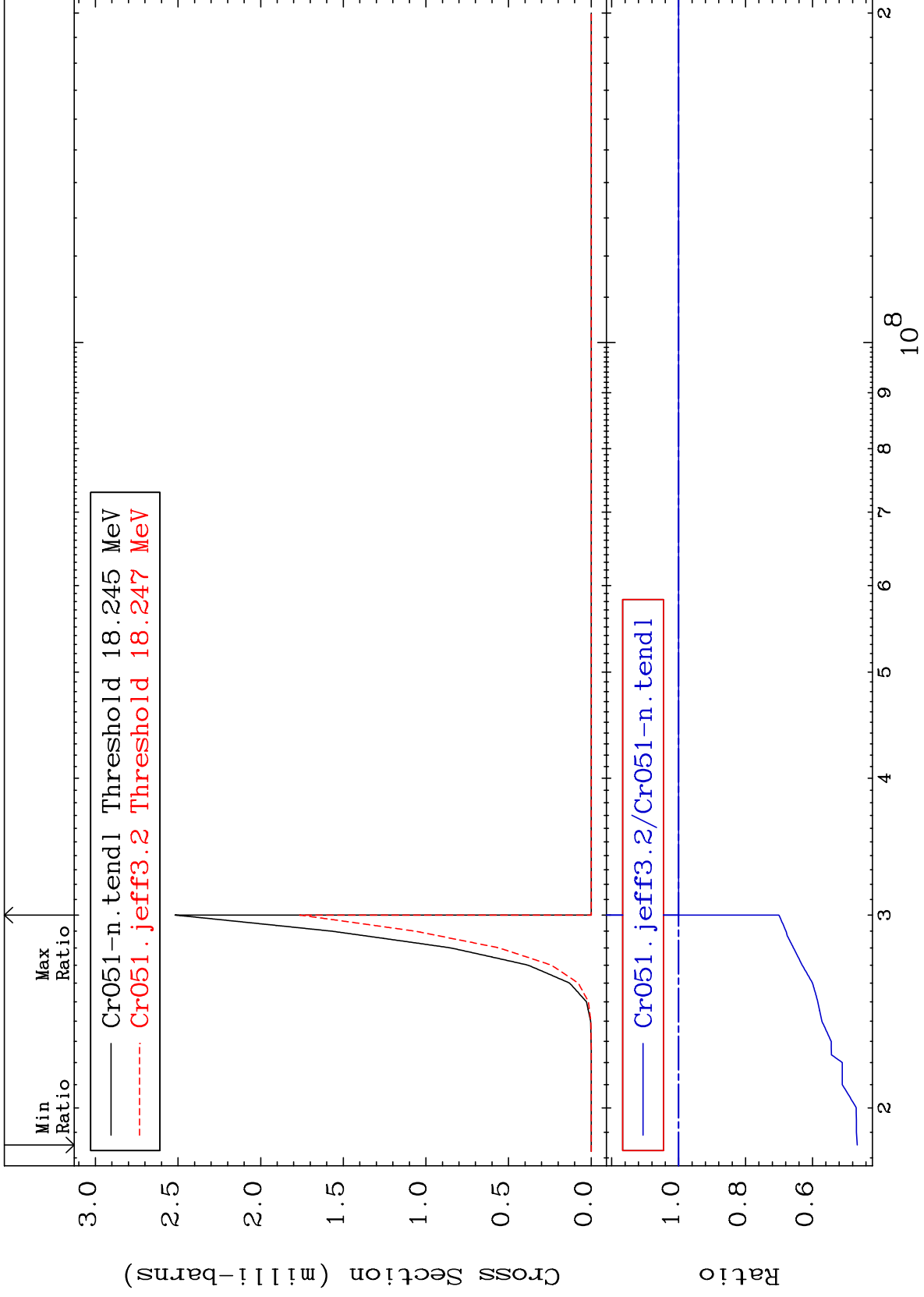
²⁴Cr-51
-39.29 To 0.000 %



MAT 2428

(n, n') He-3
Cross Section

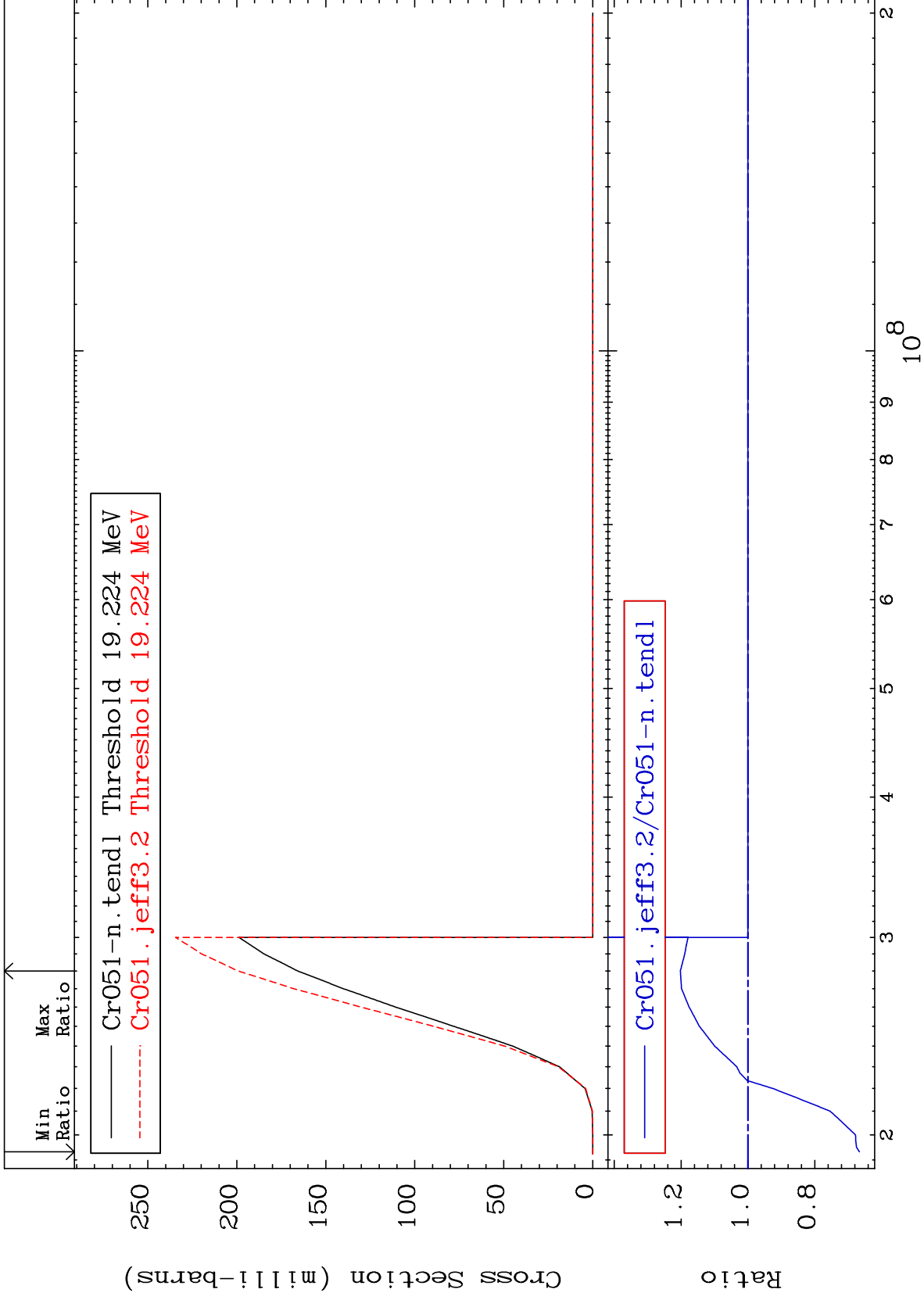
24-Cr-51
-53.38 To 0.000 %



MAT 2428

(n,2n) p
Cross Section

²⁴Cr-51
-33.37 To 20.22 %



14

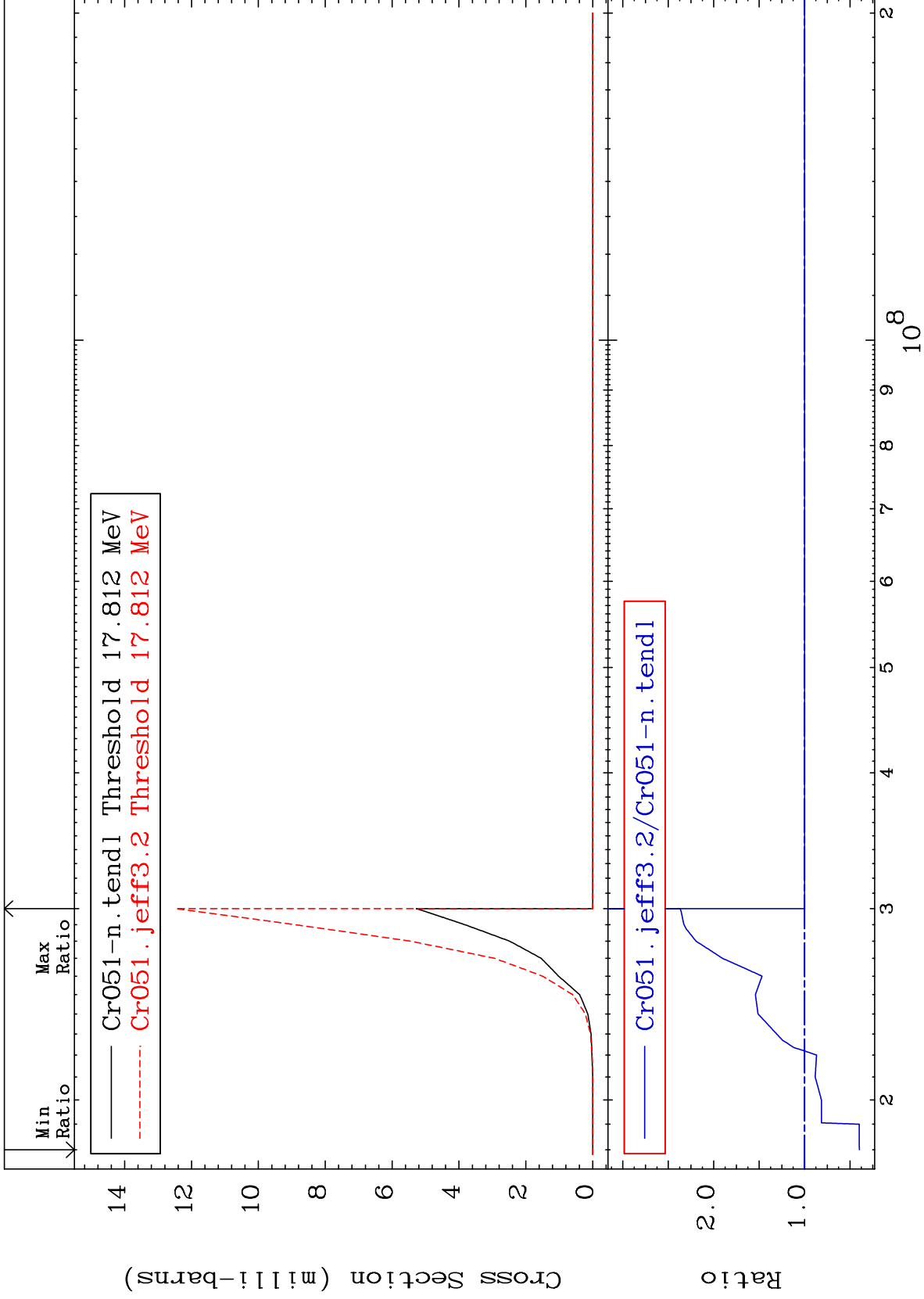
Incident Energy (eV)

²⁴Cr-51

MAT 2428

(n,2n) p
Cross Section

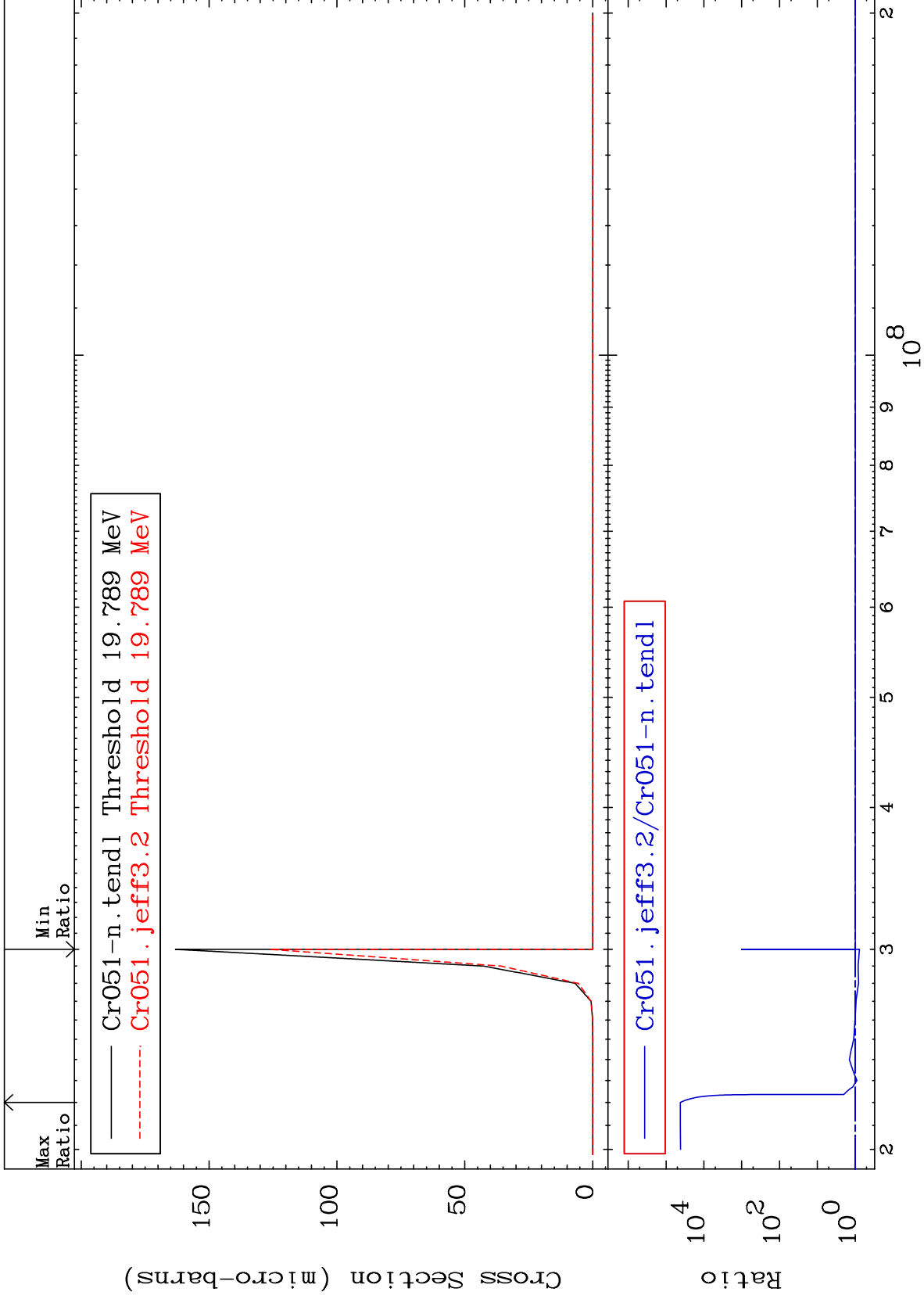
²⁴Cr-51
-60.37 To 136.7 %



15

Incident Energy (eV)

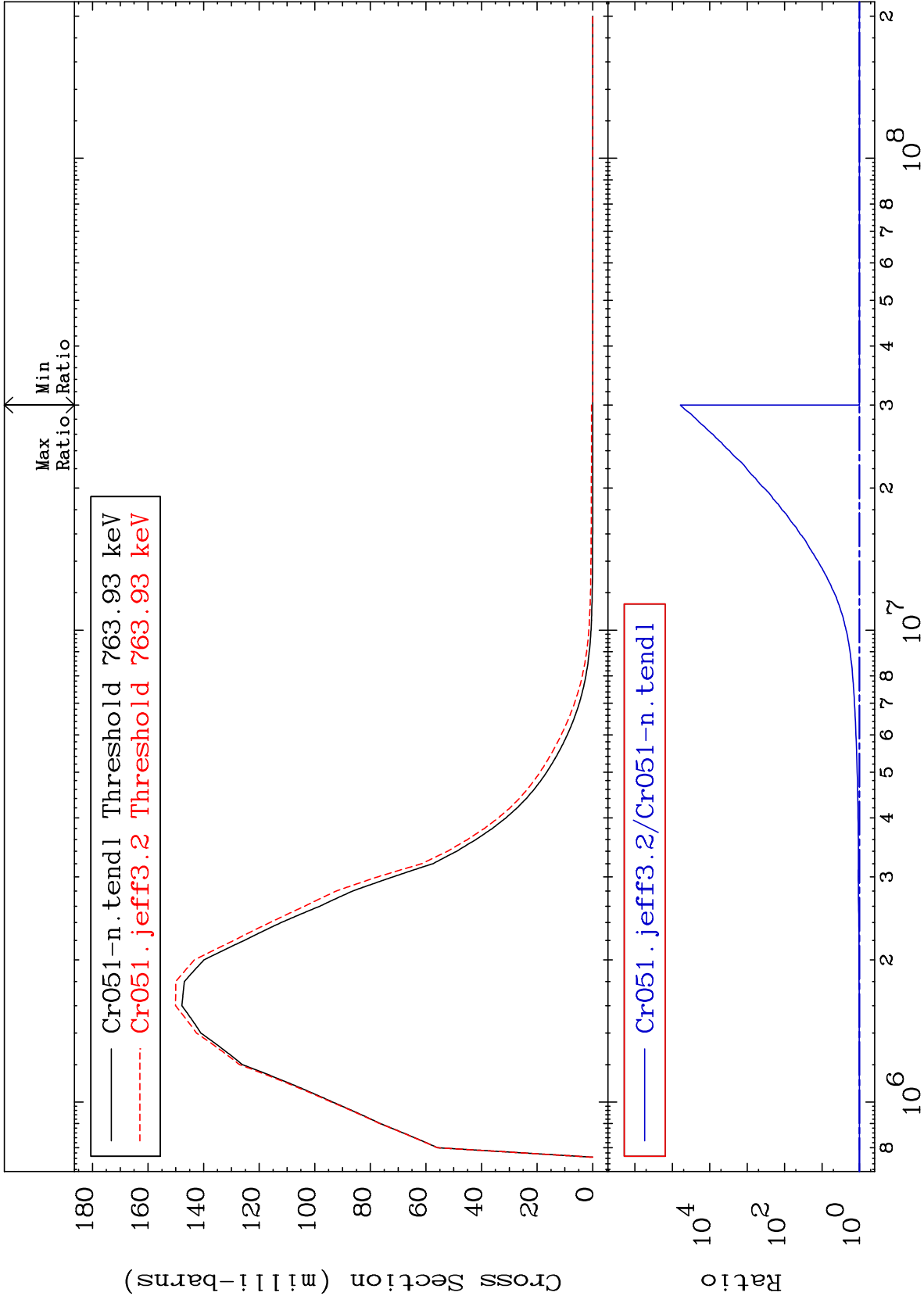
²⁴Cr-51



MAT 2428

749.1 keV (n,n') Level
Cross Section

24-Cr-51
0.000 To 9999. %



17

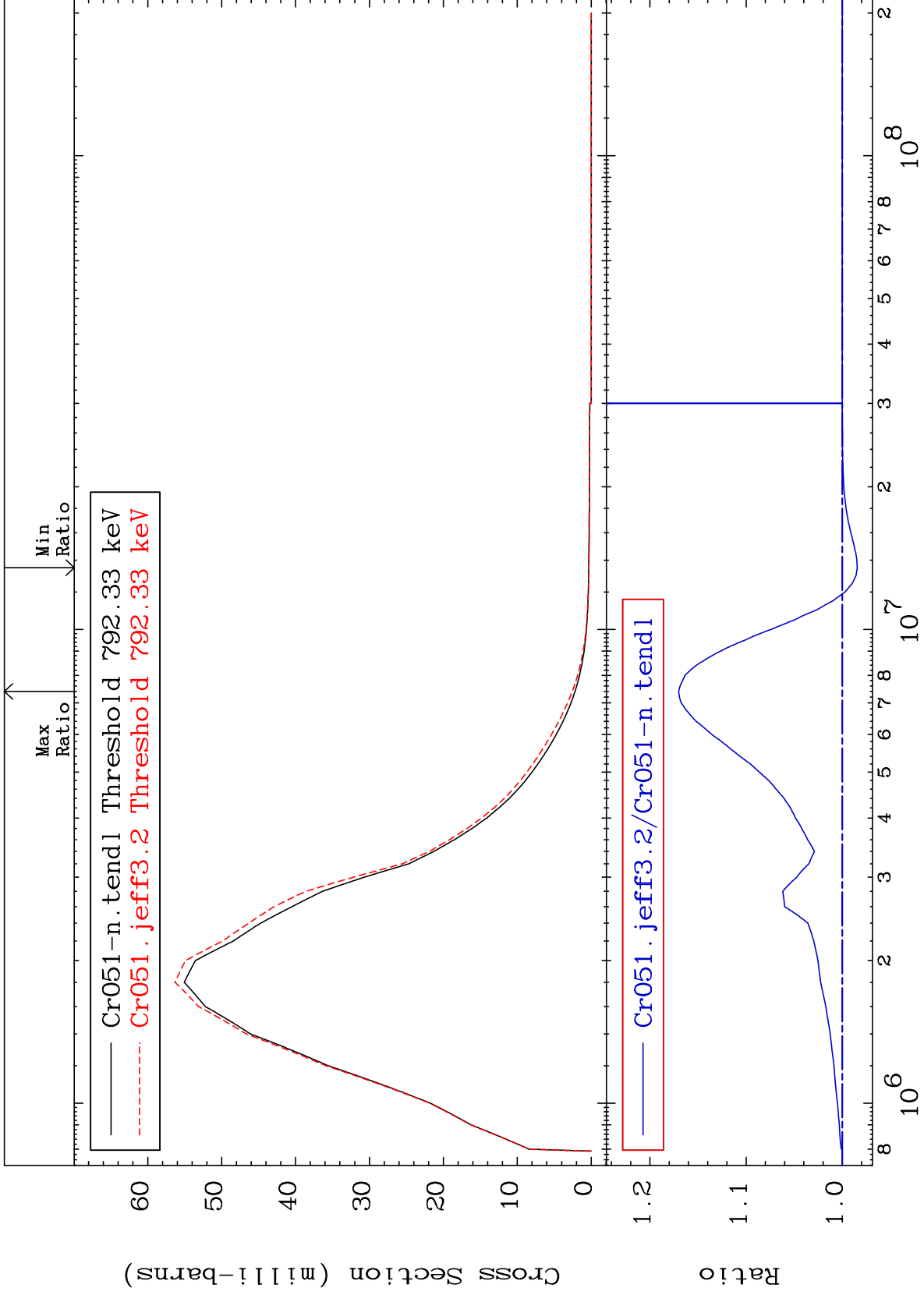
Incident Energy (eV)

24-Cr-51

MAT 2428

776.9 keV (n,n') Level
Cross Section

24-Cr-51
-1.552 To 17.02 %



18

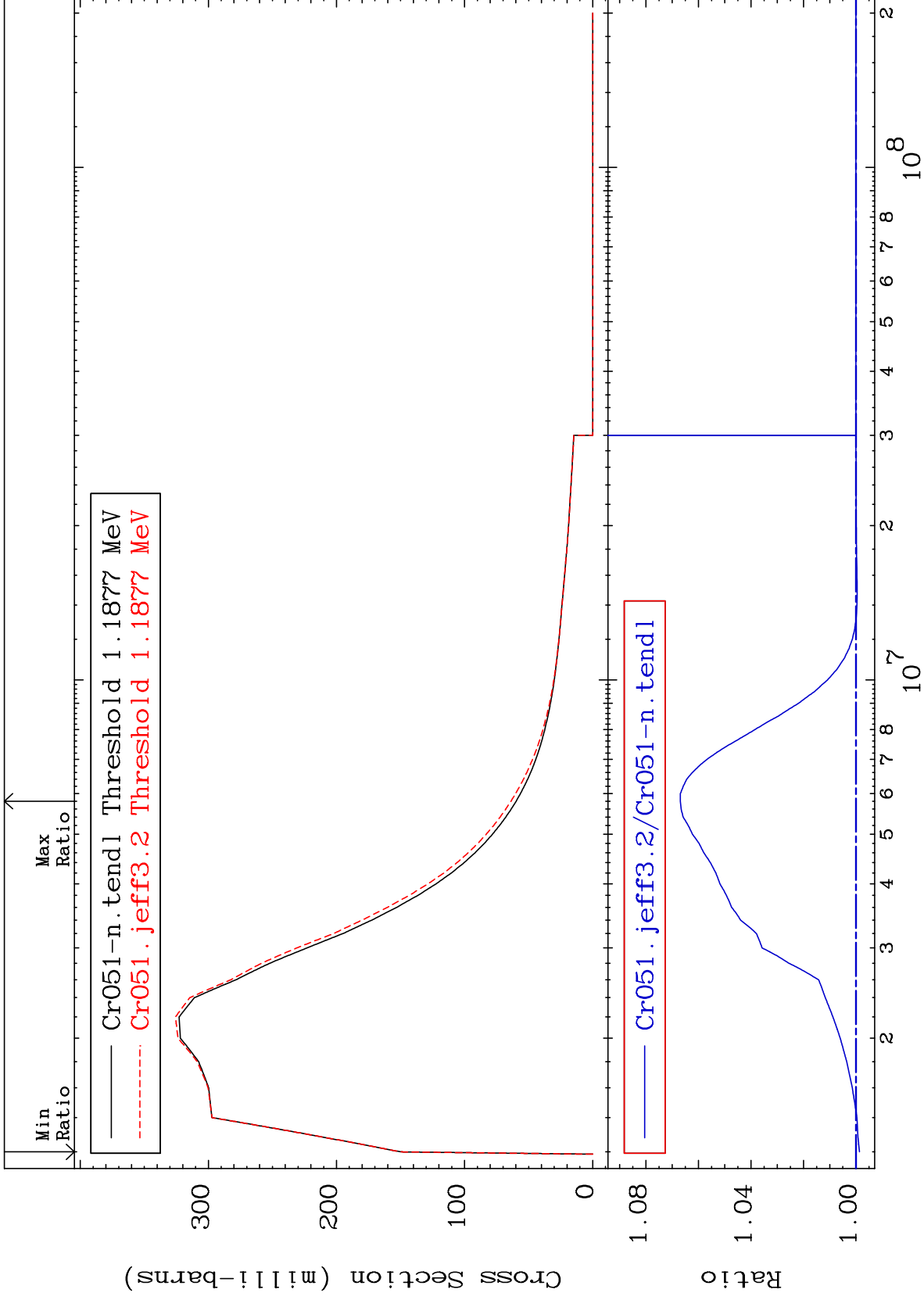
Incident Energy (eV)

24-Cr-51

MAT 2428

1.165 MeV (n,n') Level
Cross Section

²⁴Cr-51
-0.132 To 6.688 %



19

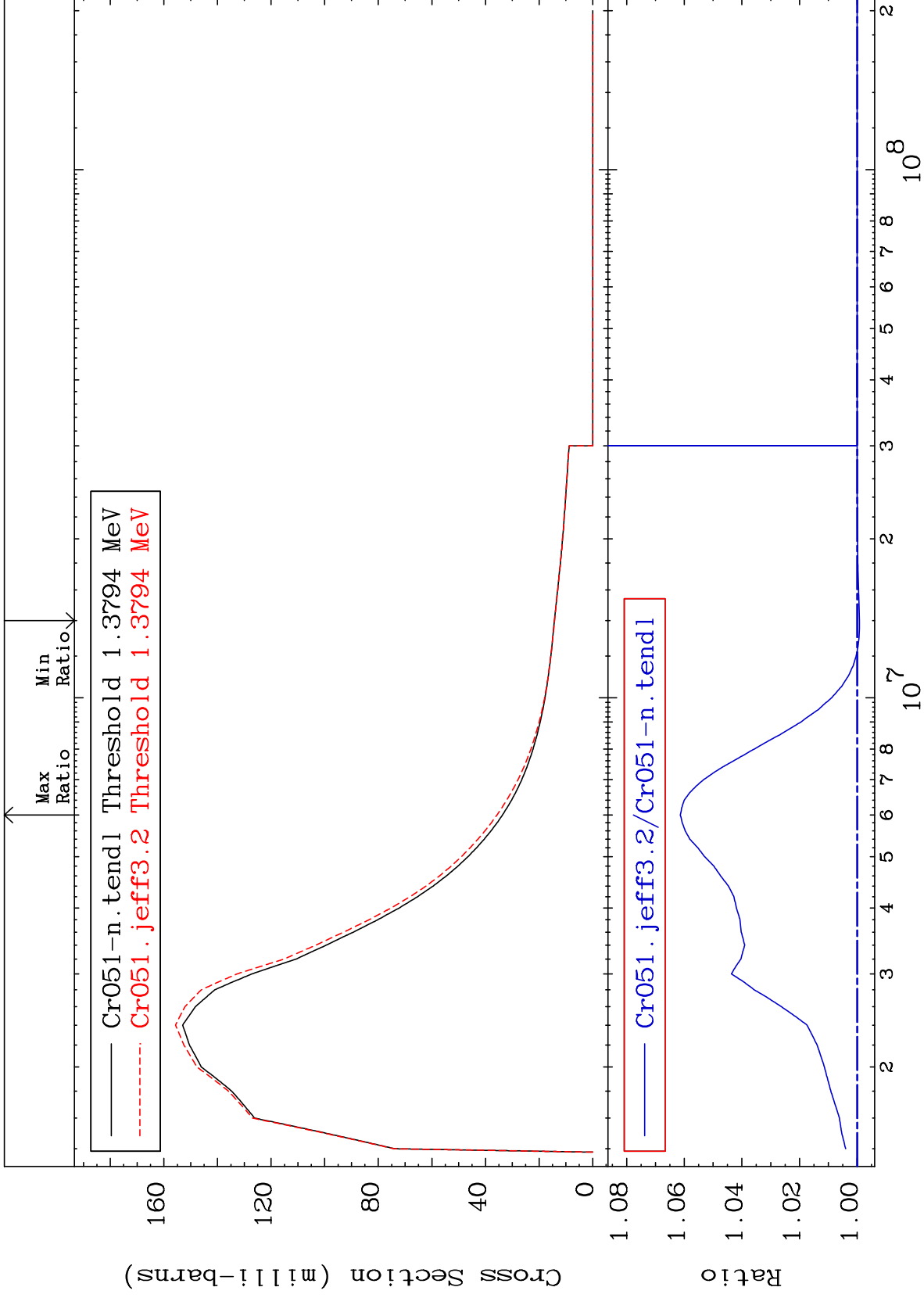
Incident Energy (eV)

²⁴Cr-51

MAT 2428

1.353 MeV (n,n') Level
Cross Section

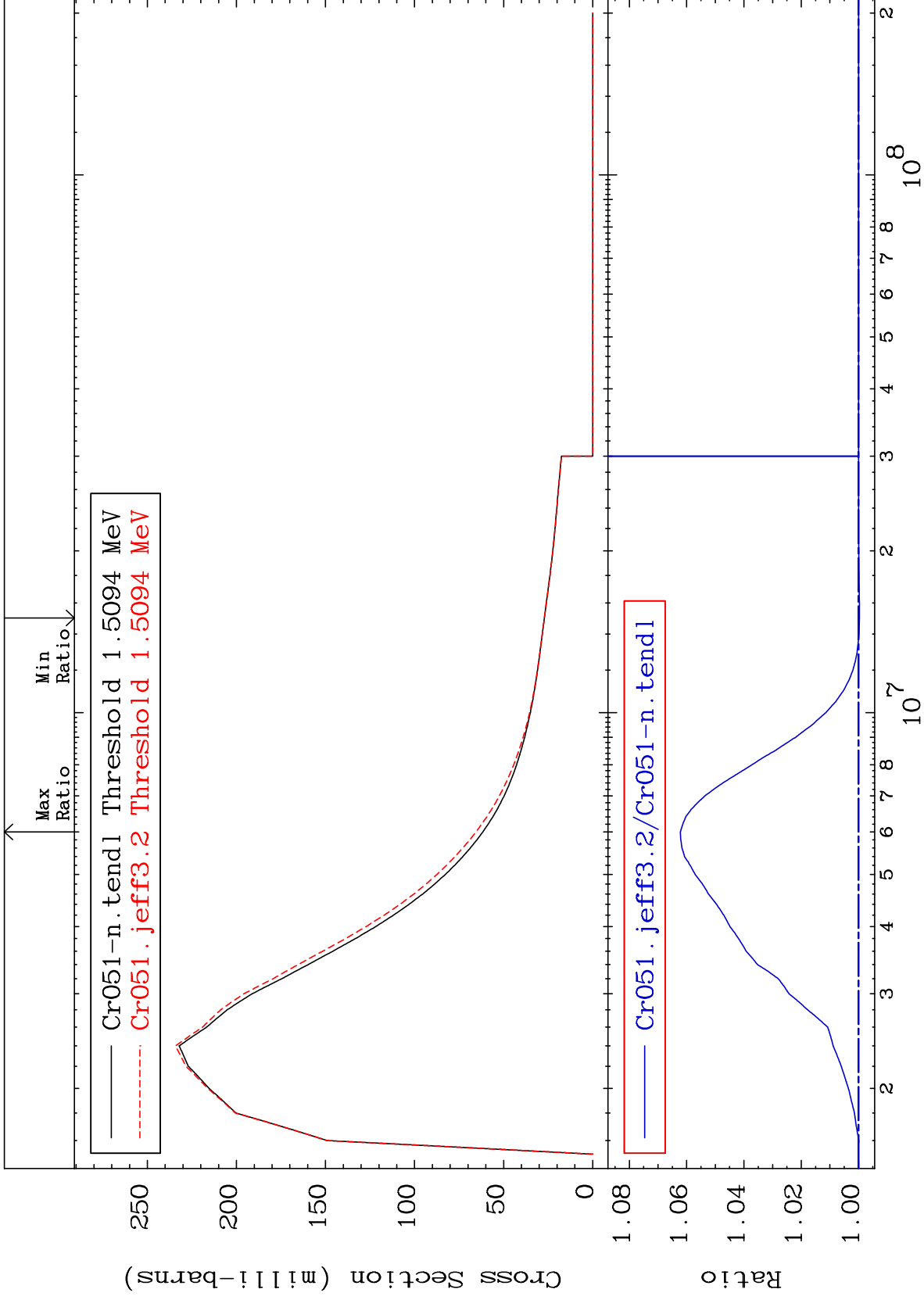
24-Cr-51
-0.079 To 6.136 %



MAT 2428

1.480 MeV (n,n') Level
Cross Section

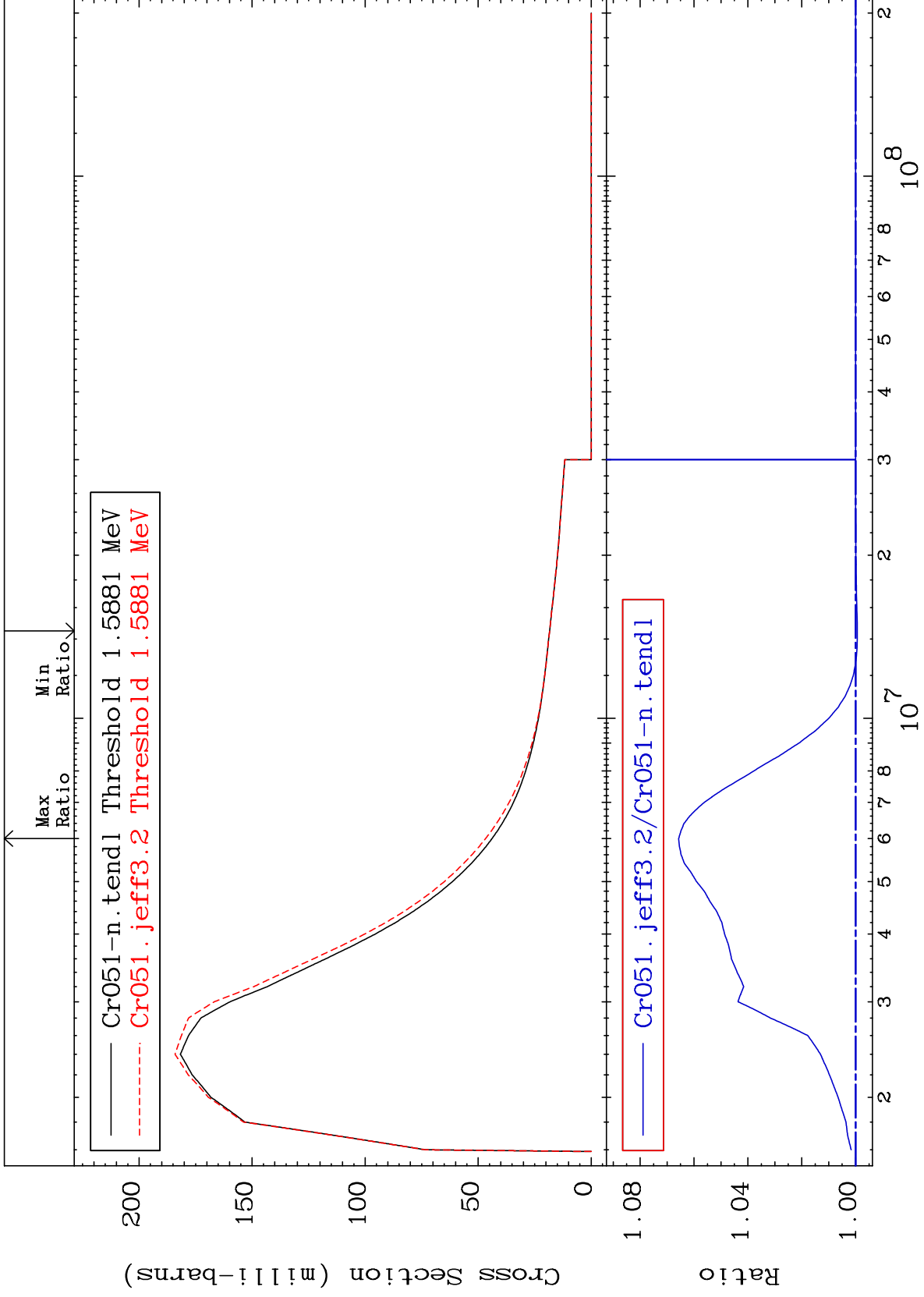
²⁴Cr-Cr-51
-0.032 To 6.220 %



MAT 2428

1.557 MeV (n,n') Level
Cross Section

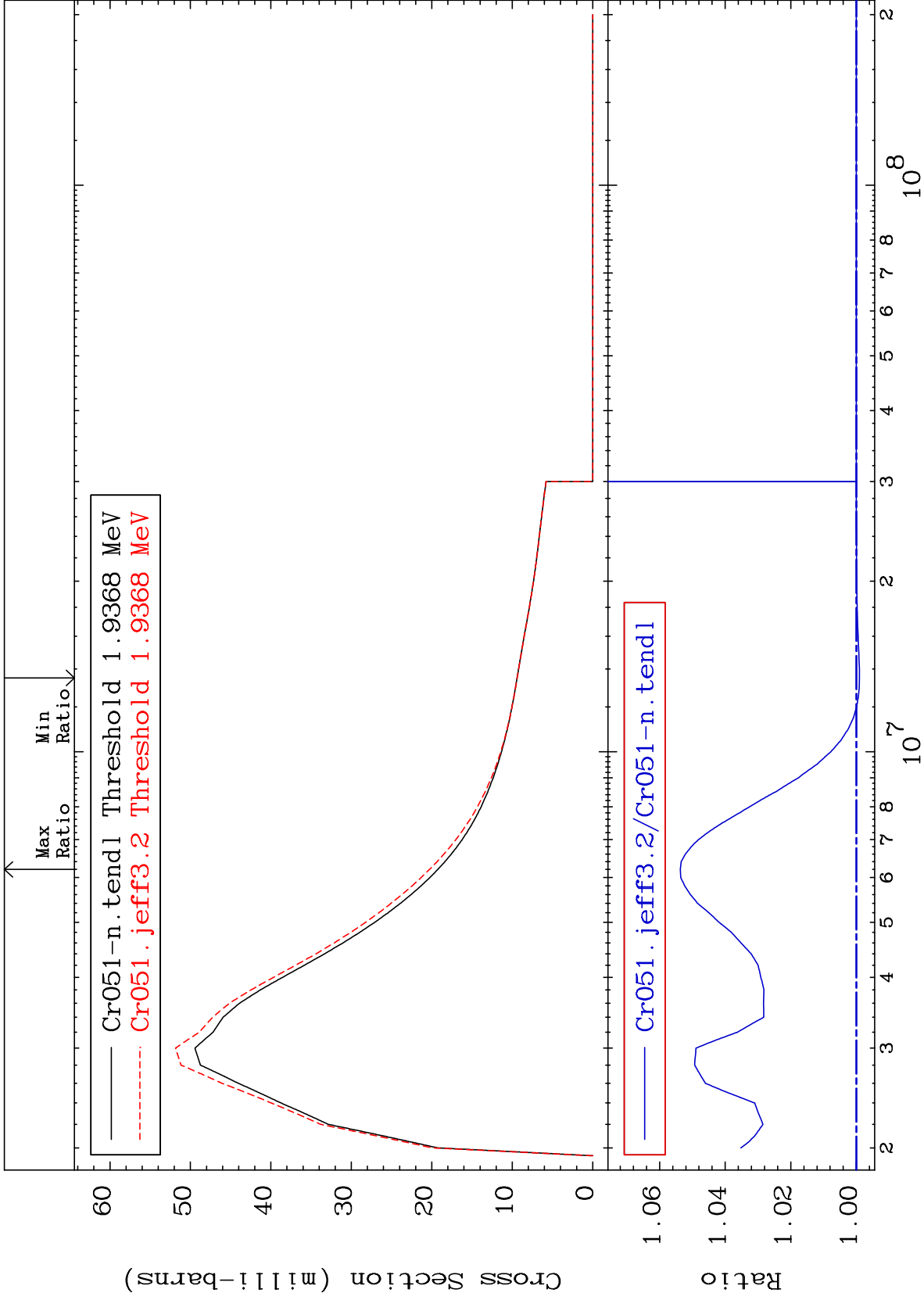
²⁴Cr-51
-0.060 To 6.571 %



MAT 2428

1.899 MeV (n,n') Level
Cross Section

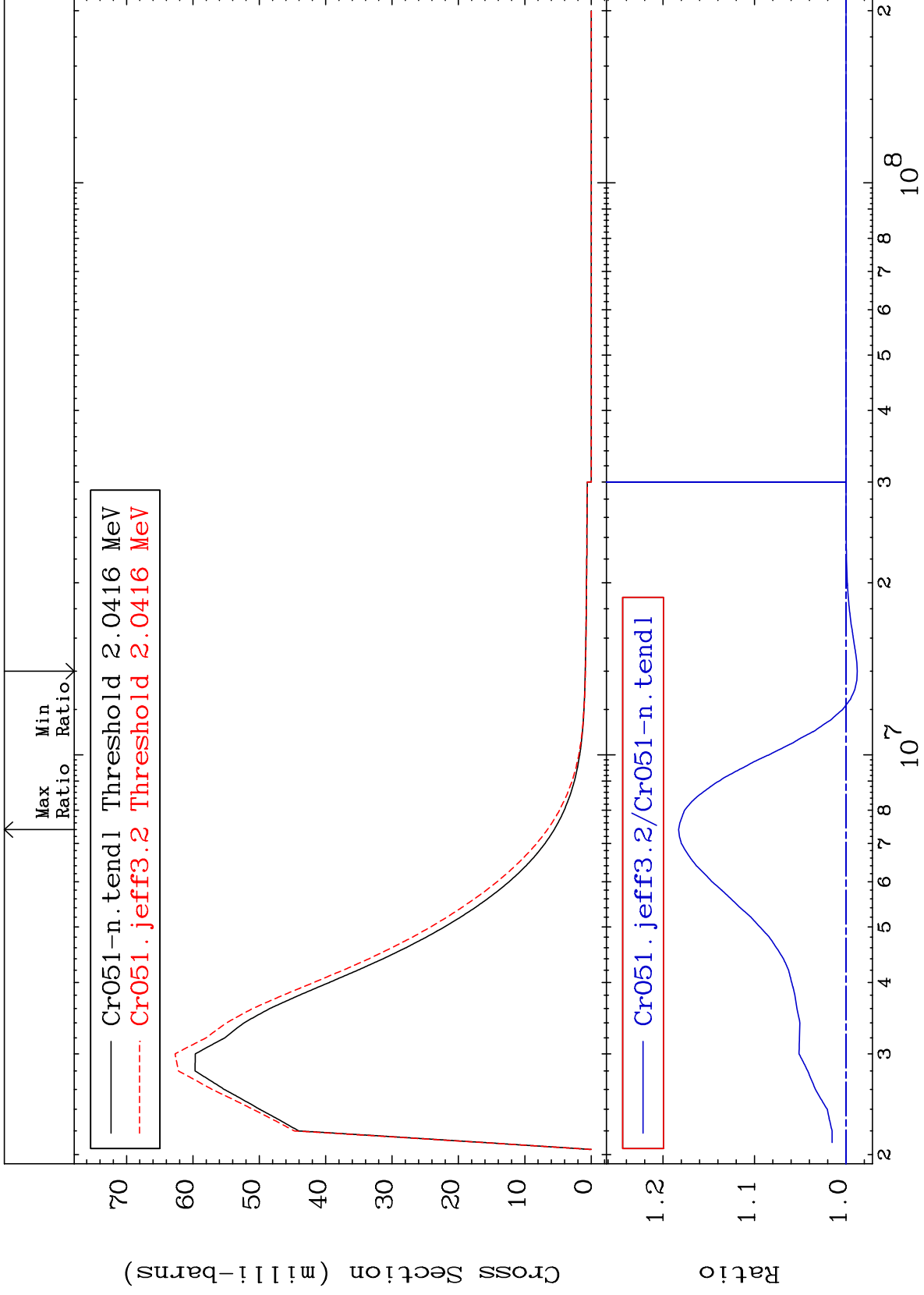
24-Cr-51
-0.094 To 5.367 %



MAT 2428

2.002 MeV (n,n') Level
Cross Section

24-Cr-51
-1.228 To 18.28 %



24

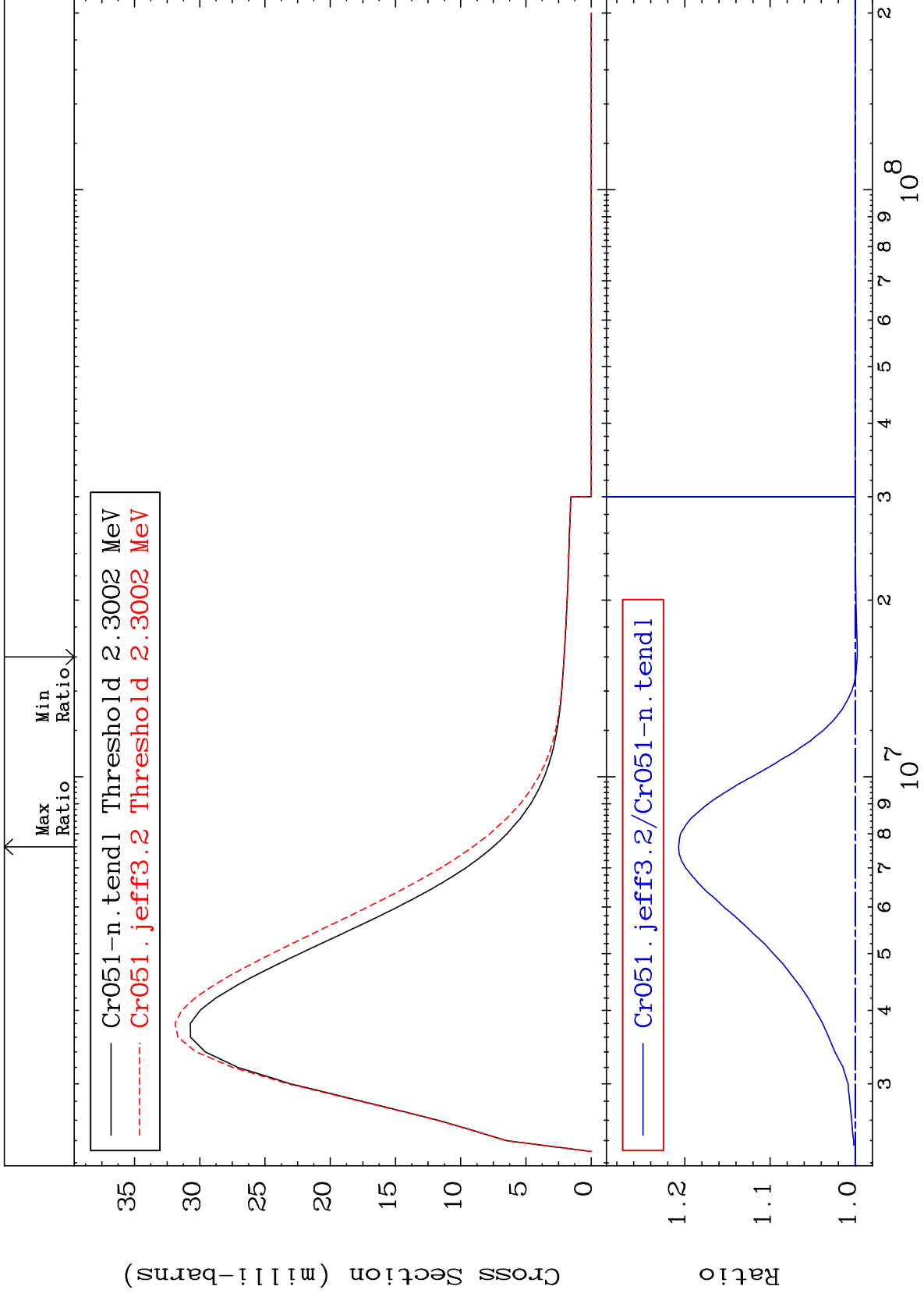
Incident Energy (eV)

24-Cr-51

MAT 2428

2.256 MeV (n,n') Level
Cross Section

24-Cr-51
-0.233 To 20.73 %



25

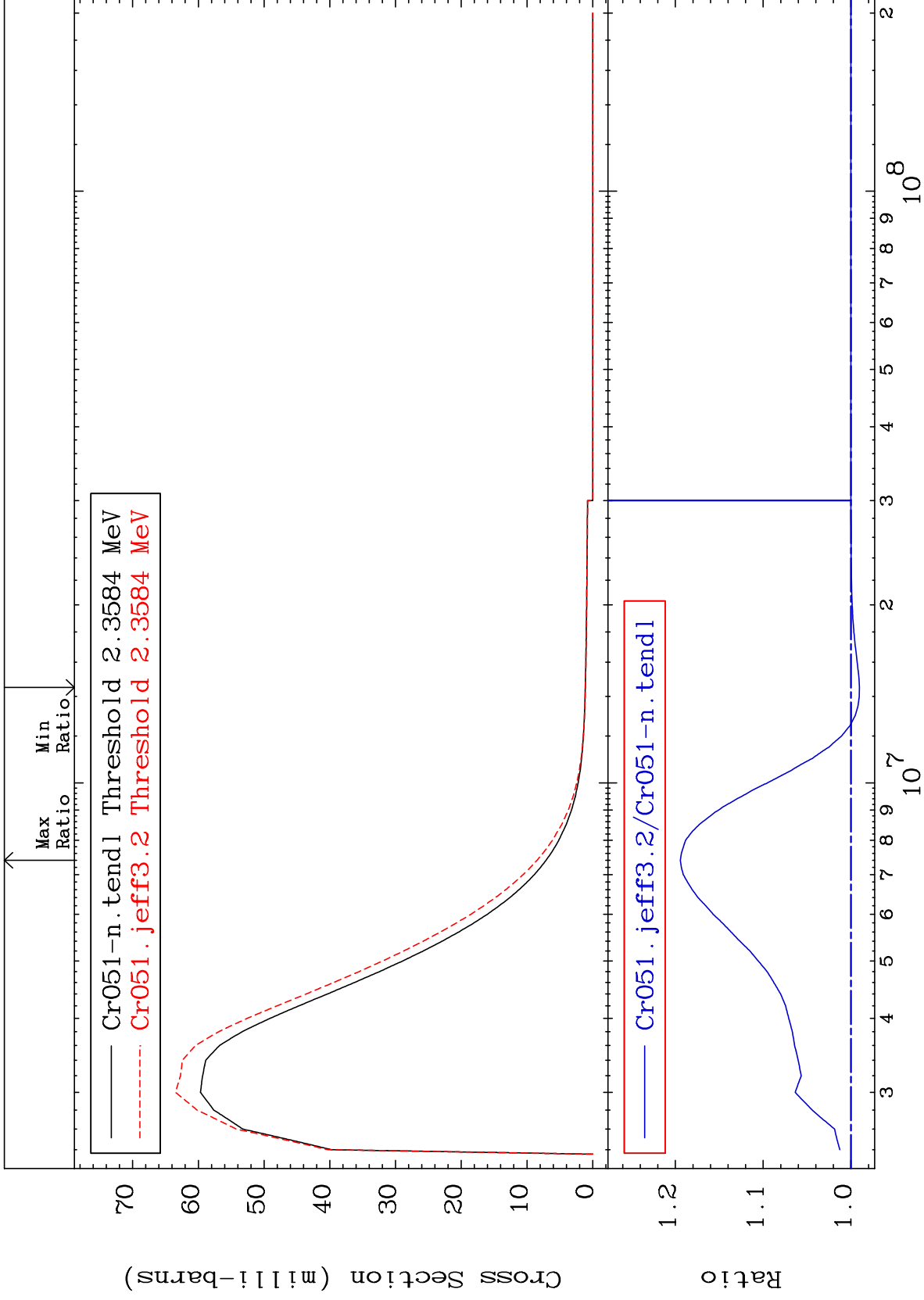
Incident Energy (eV)

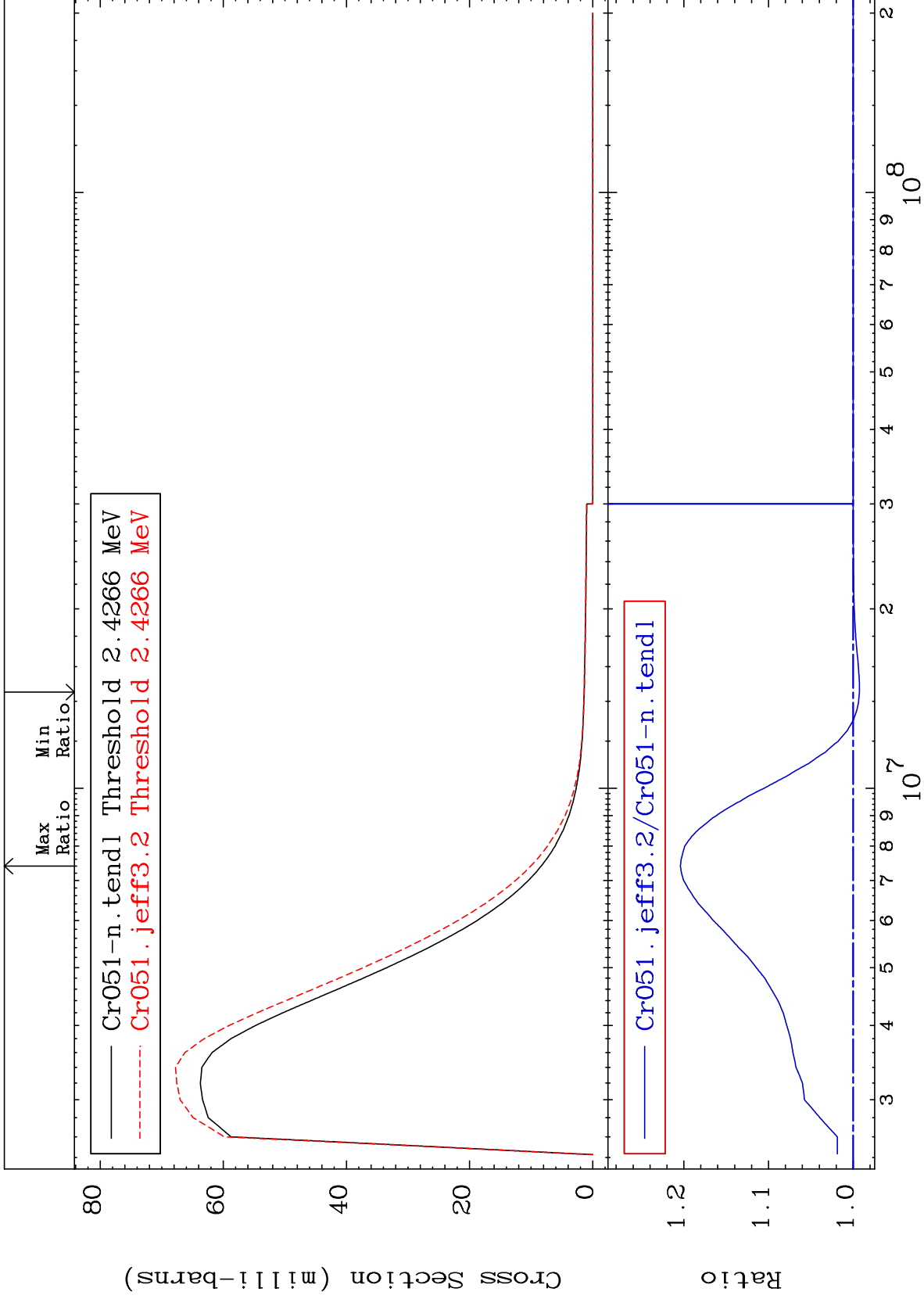
24-Cr-51

MAT 2428

2.313 MeV (n,n') Level
Cross Section

²⁴Cr-51
-0.966 To 19.43 %

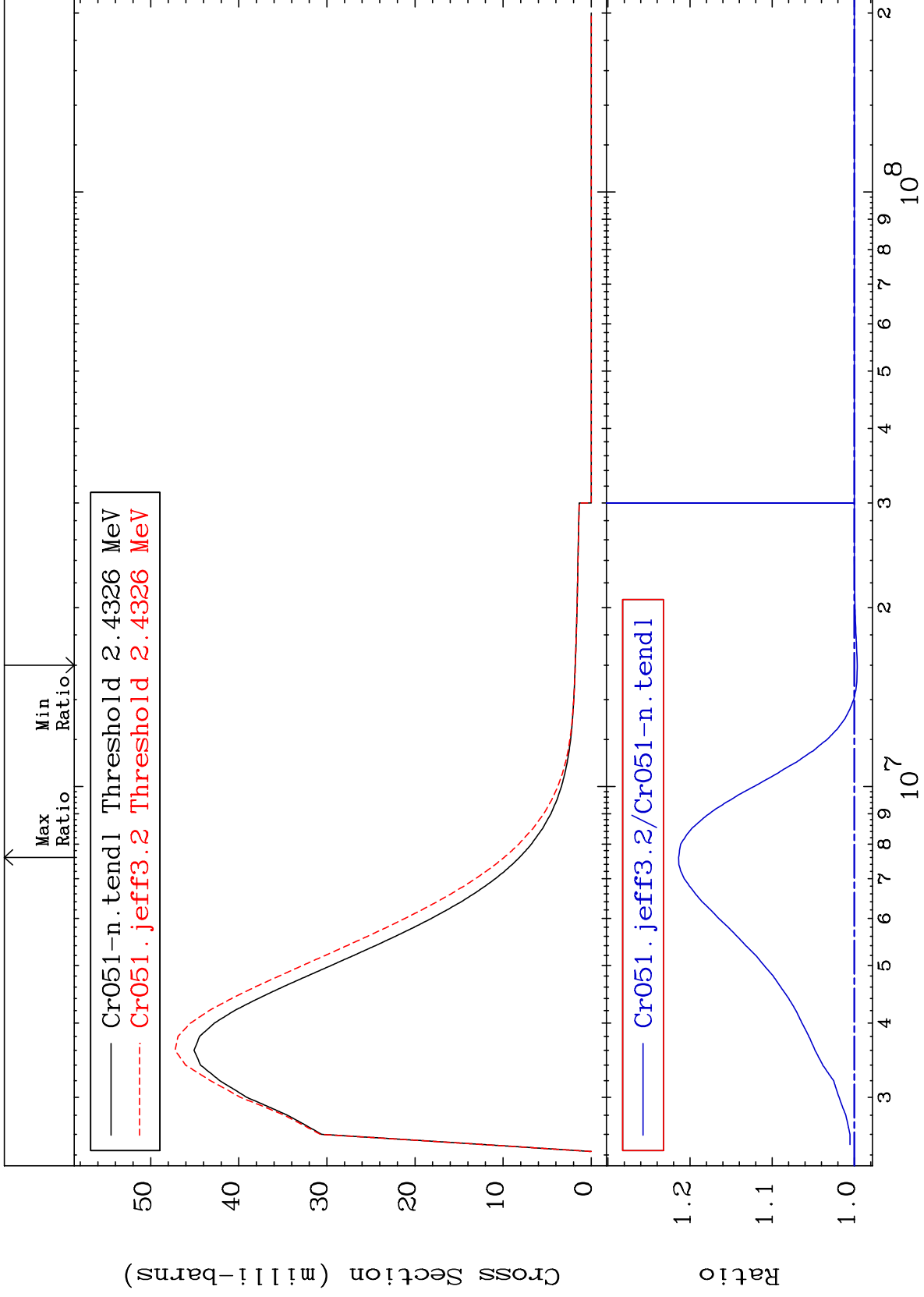




MAT 2428

2.385 MeV (n,n') Level
Cross Section

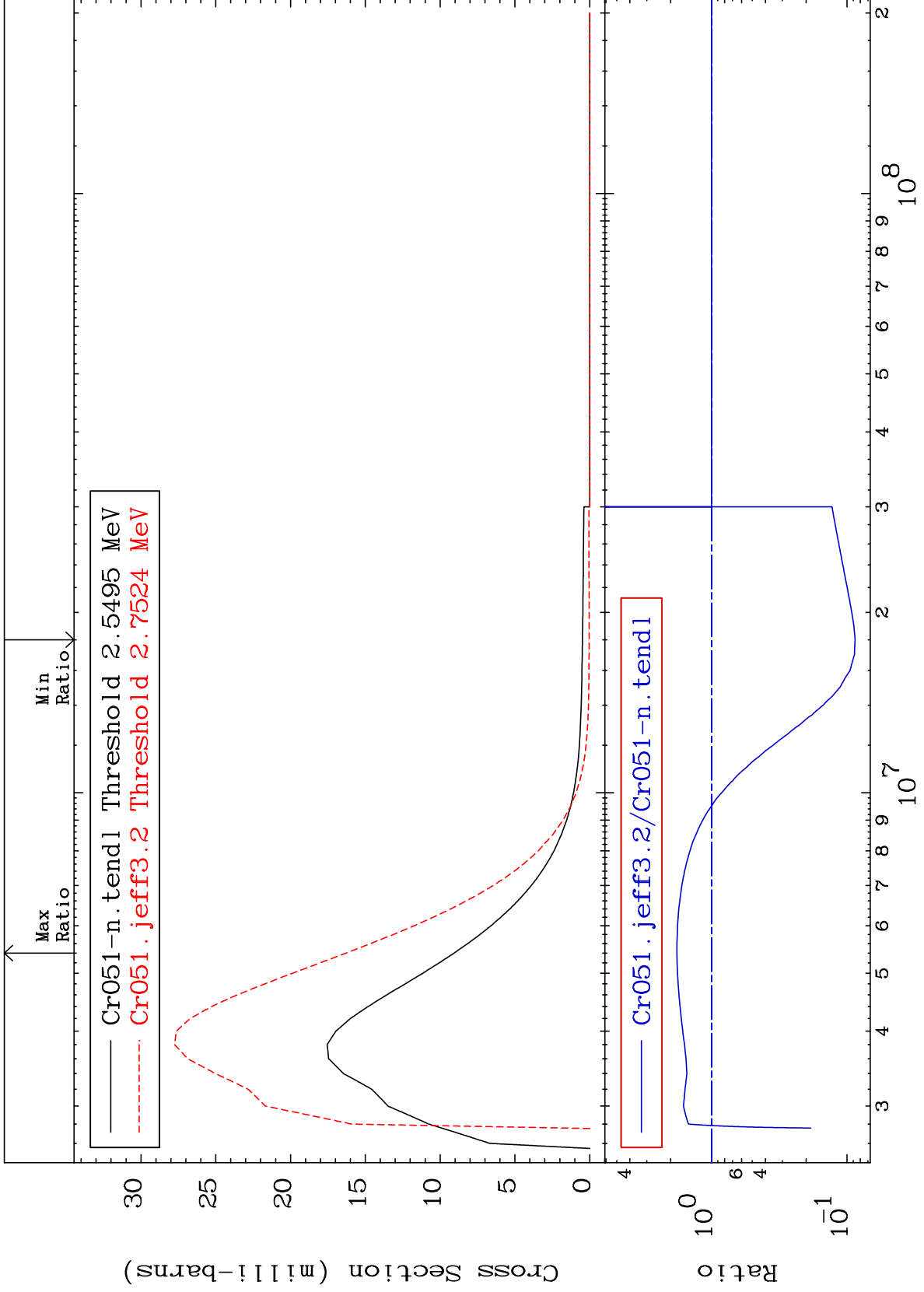
24-Cr-51
-0.366 To 21.39 %



MAT 2428

2.500 MeV (n,n') Level
Cross Section

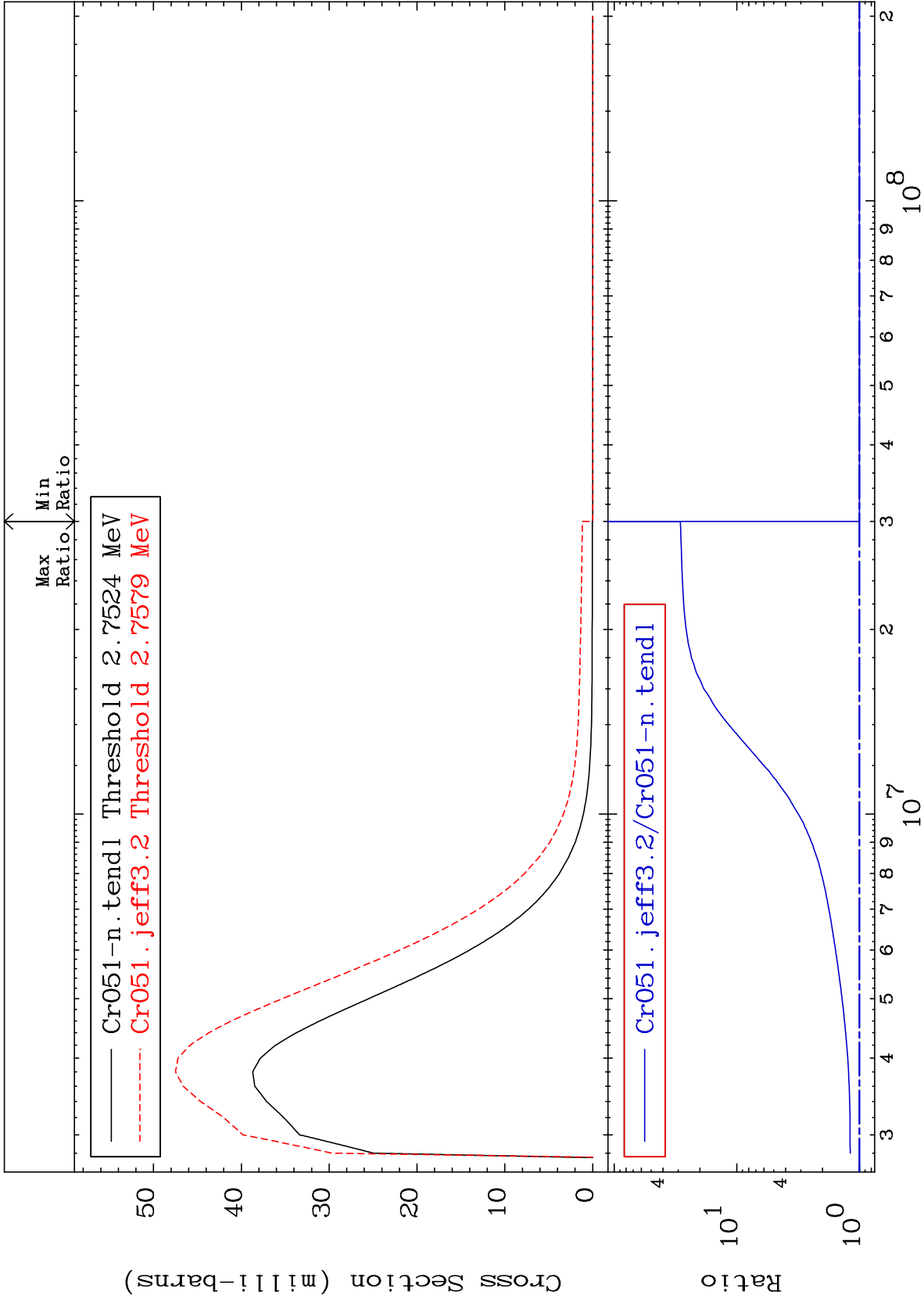
24-Cr-51
-91.28 To 79.72 %



MAT 2428

2.699 MeV (n,n') Level
Cross Section

24-Cr-51
0.000 To 2785. %



30

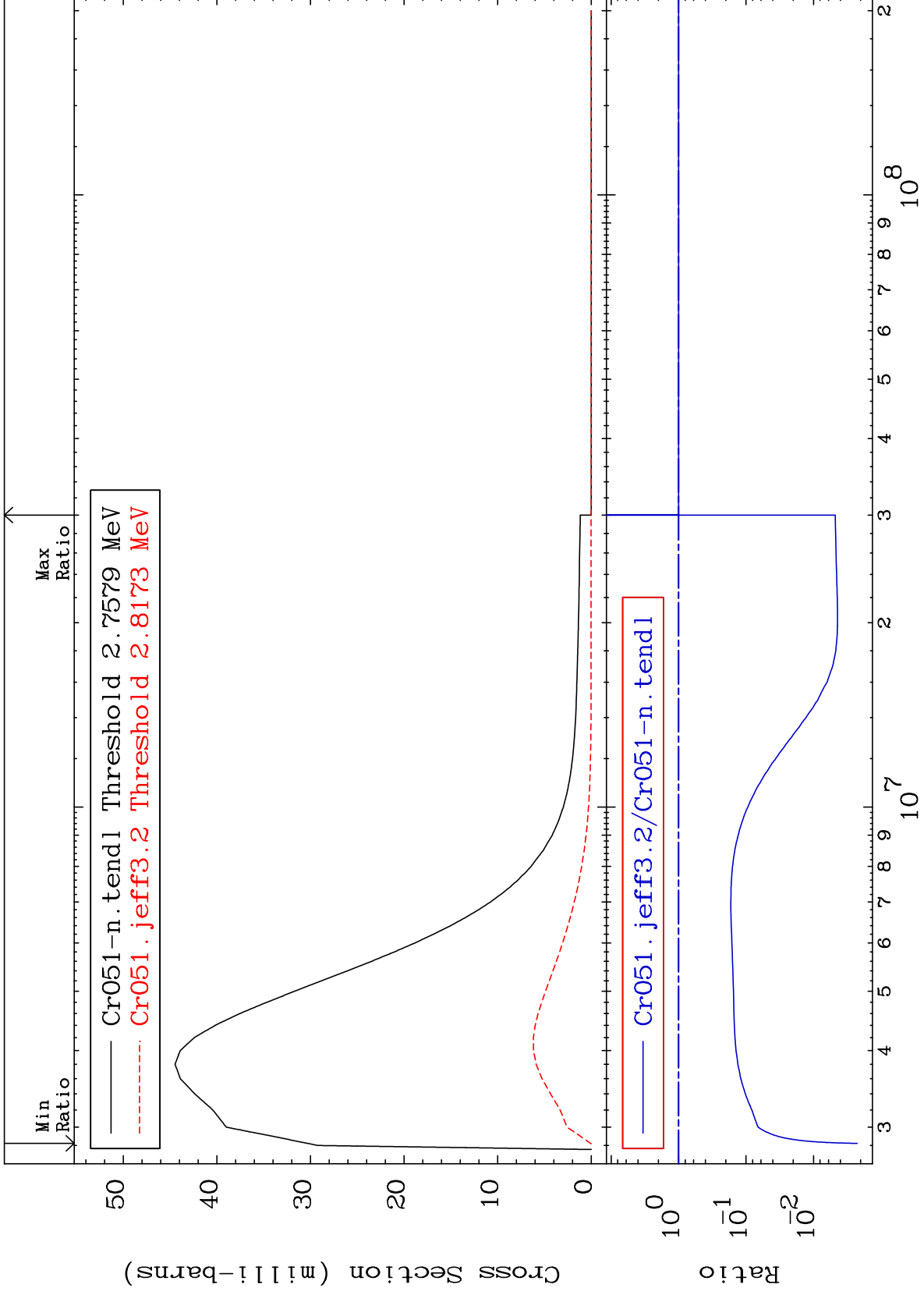
Incident Energy (eV)

24-Cr-51

MAT 2428

2.704 MeV (n,n') Level
Cross Section

24-Cr-51
-99.78 To 0.000 %

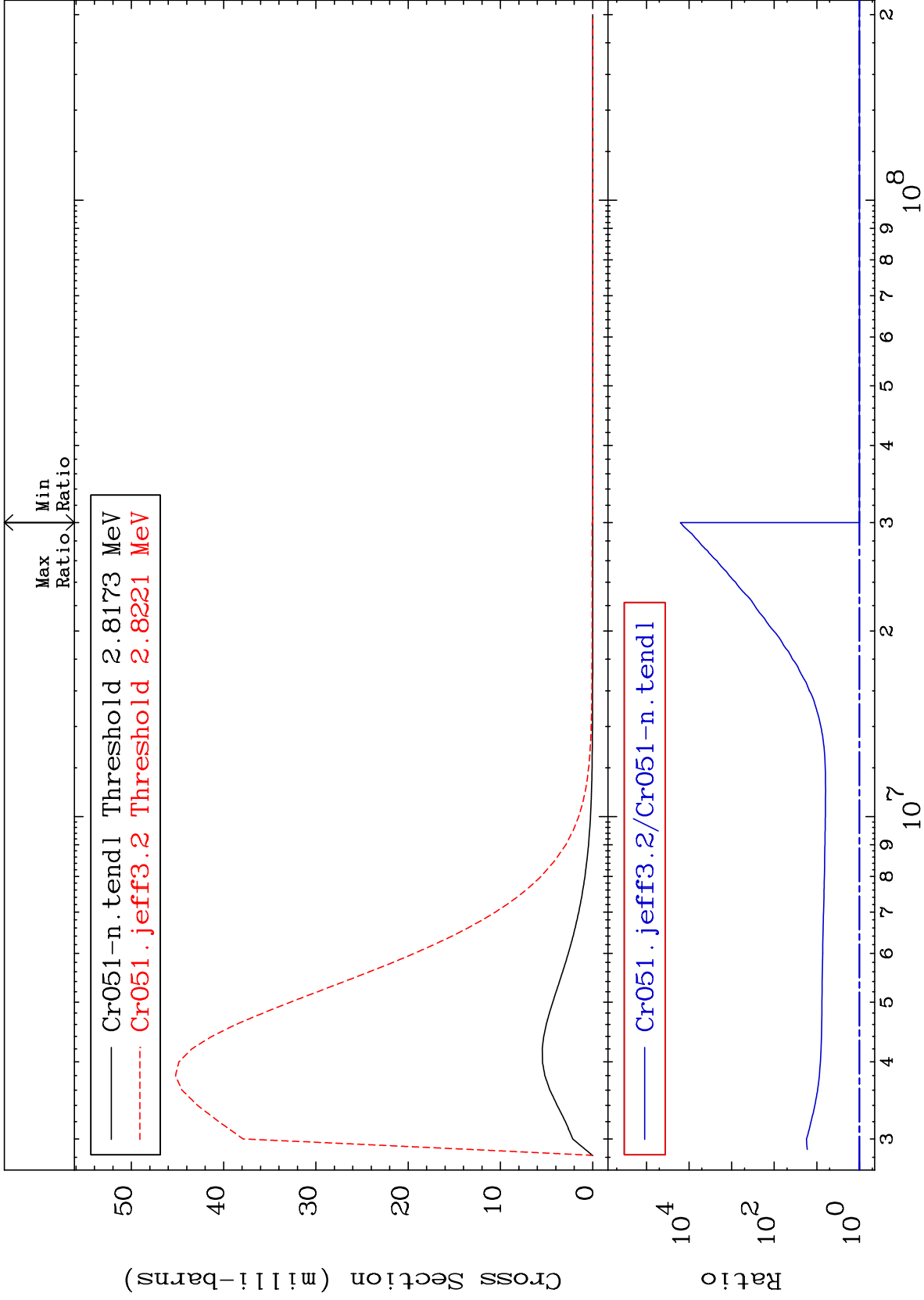


MAT 2428

2.763 MeV (n,n') Level

24-Cr-51

0.000 To 9999. %



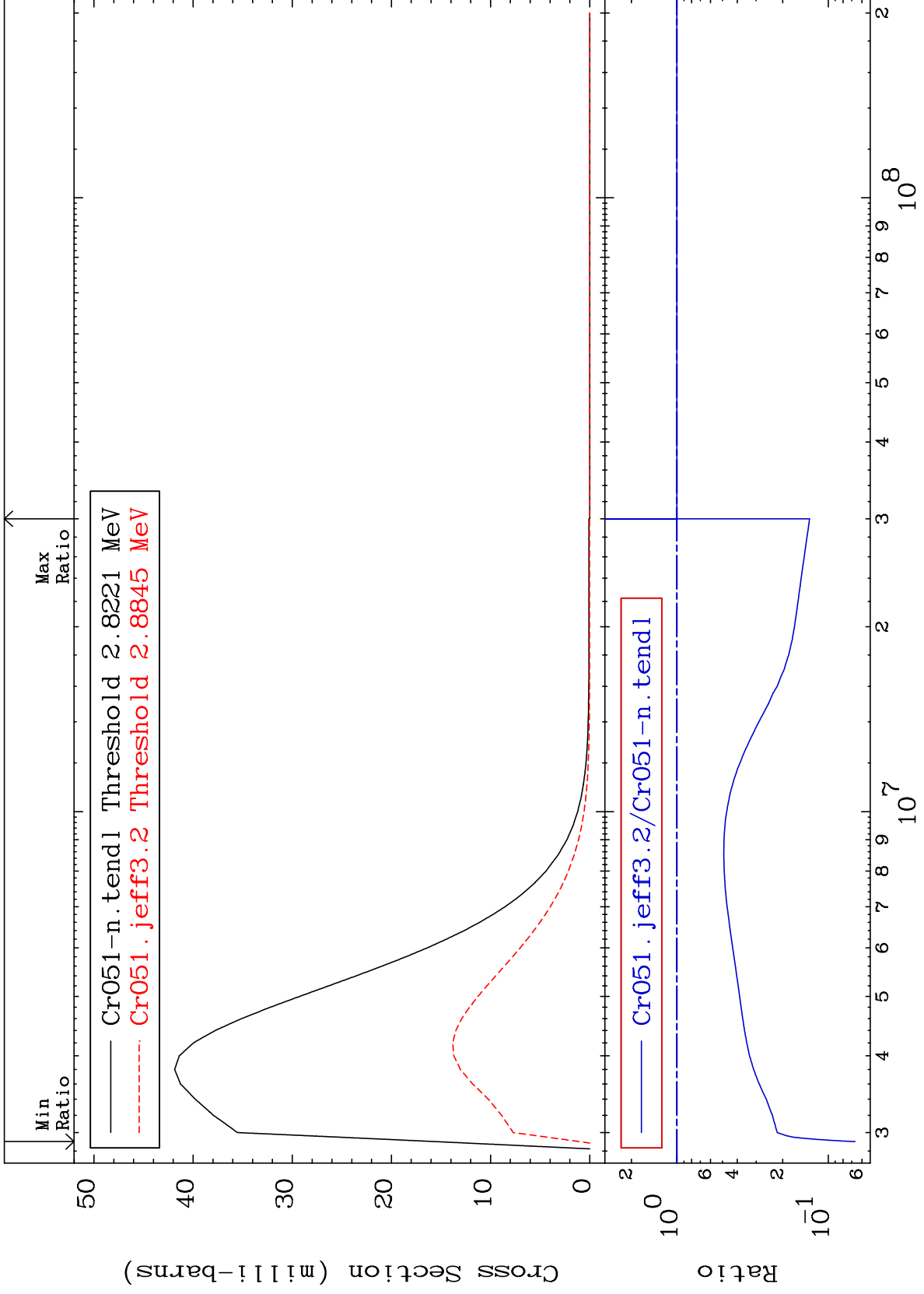
32

24-Cr-51

MAT 2428

2.767 MeV (n,n') Level
Cross Section

24-Cr-51
-93.35 To 0.000 %



33

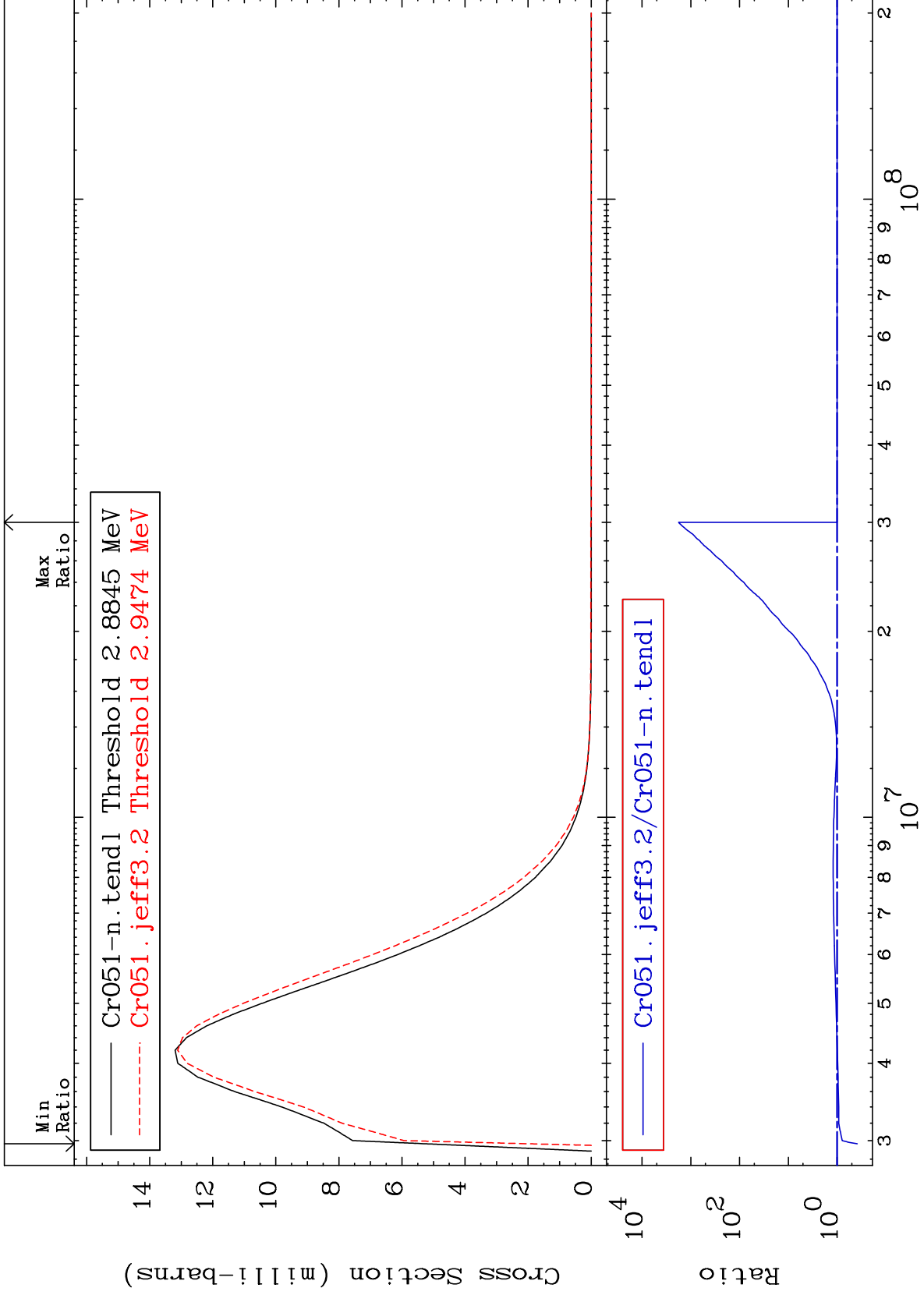
Incident Energy (eV)

24-Cr-51

MAT 2428

2.829 MeV (n,n') Level
Cross Section

24-Cr-51
-61.23 To 9999. %



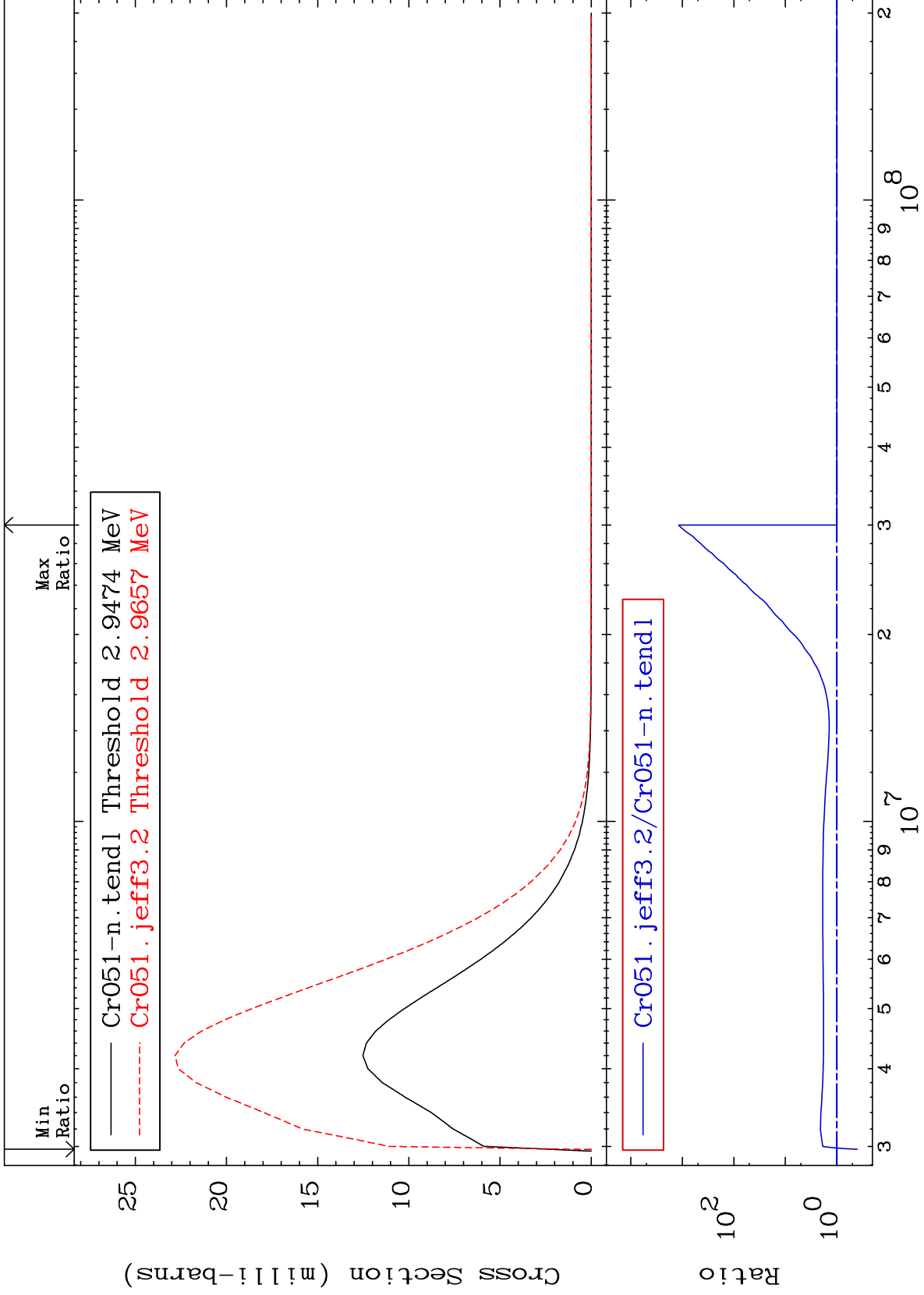
34

24-Cr-51

MAT 2428

2.890 MeV (n,n') Level
Cross Section

24-Cr-51
-59.74 To 9999. %



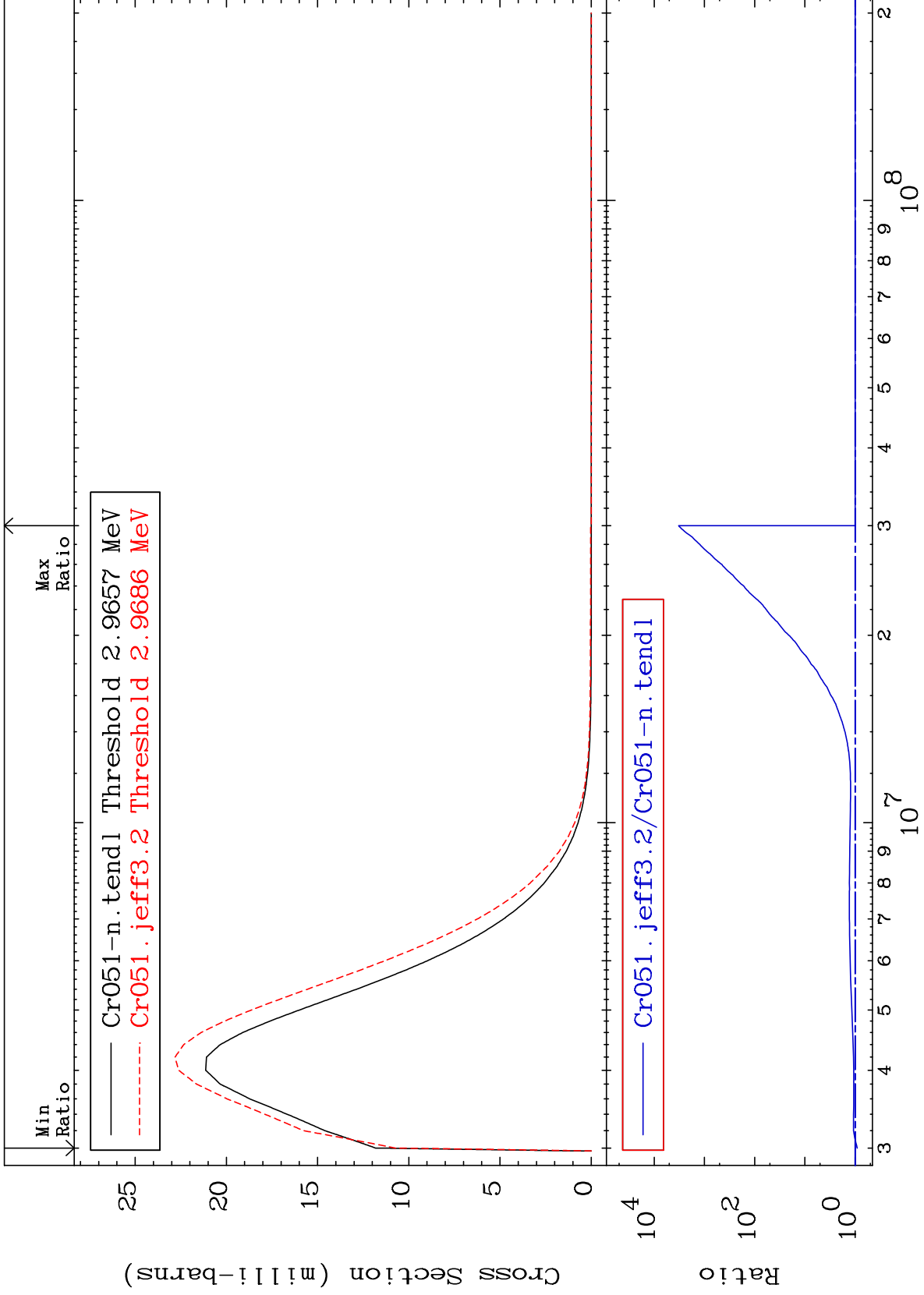
35

24-Cr-51

MAT 2428

2.908 MeV (n,n') Level
Cross Section

24-Cr-51
-9.207 To 9999. %

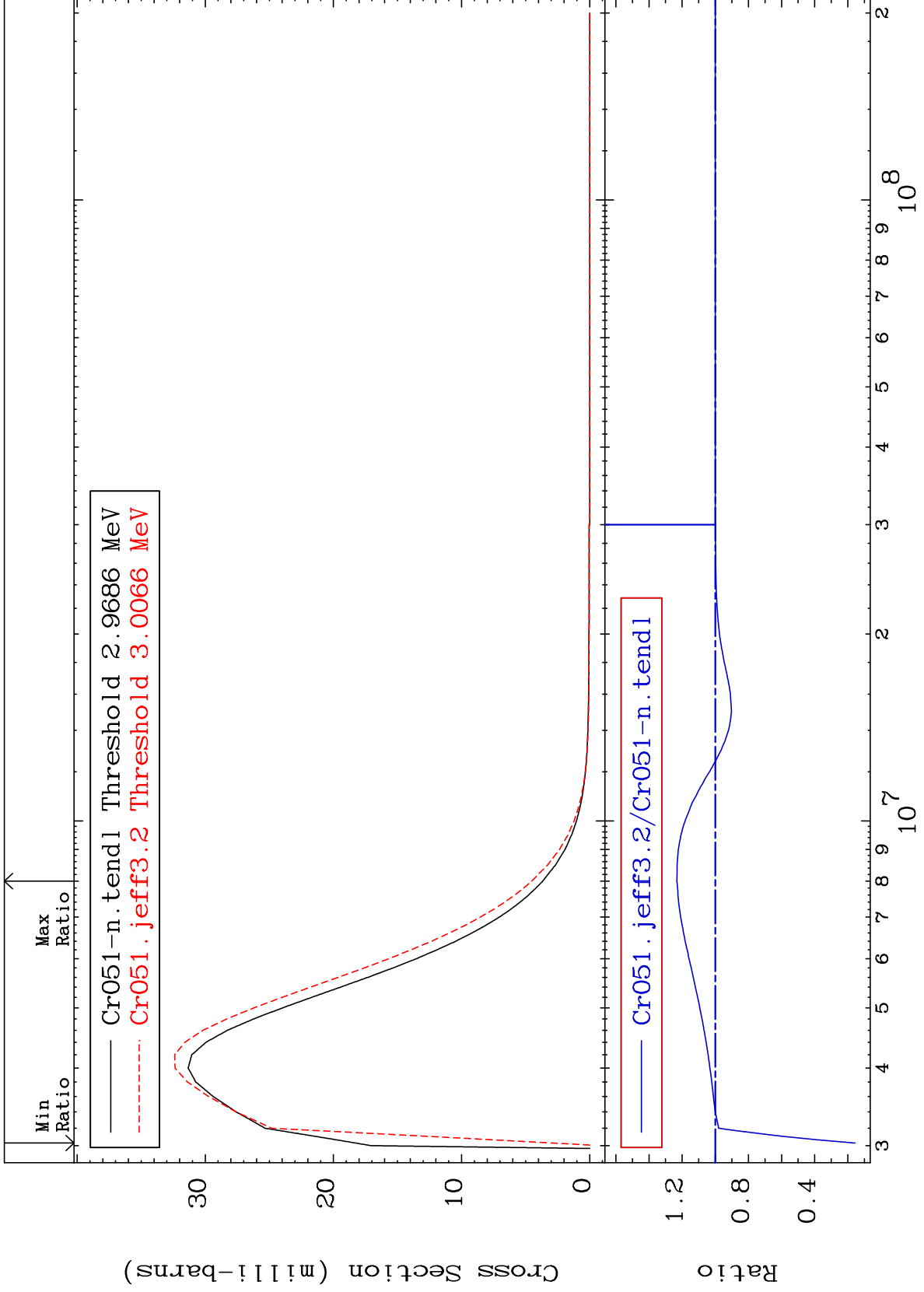


36

MAT 2428

2.911 MeV (n,n') Level
Cross Section

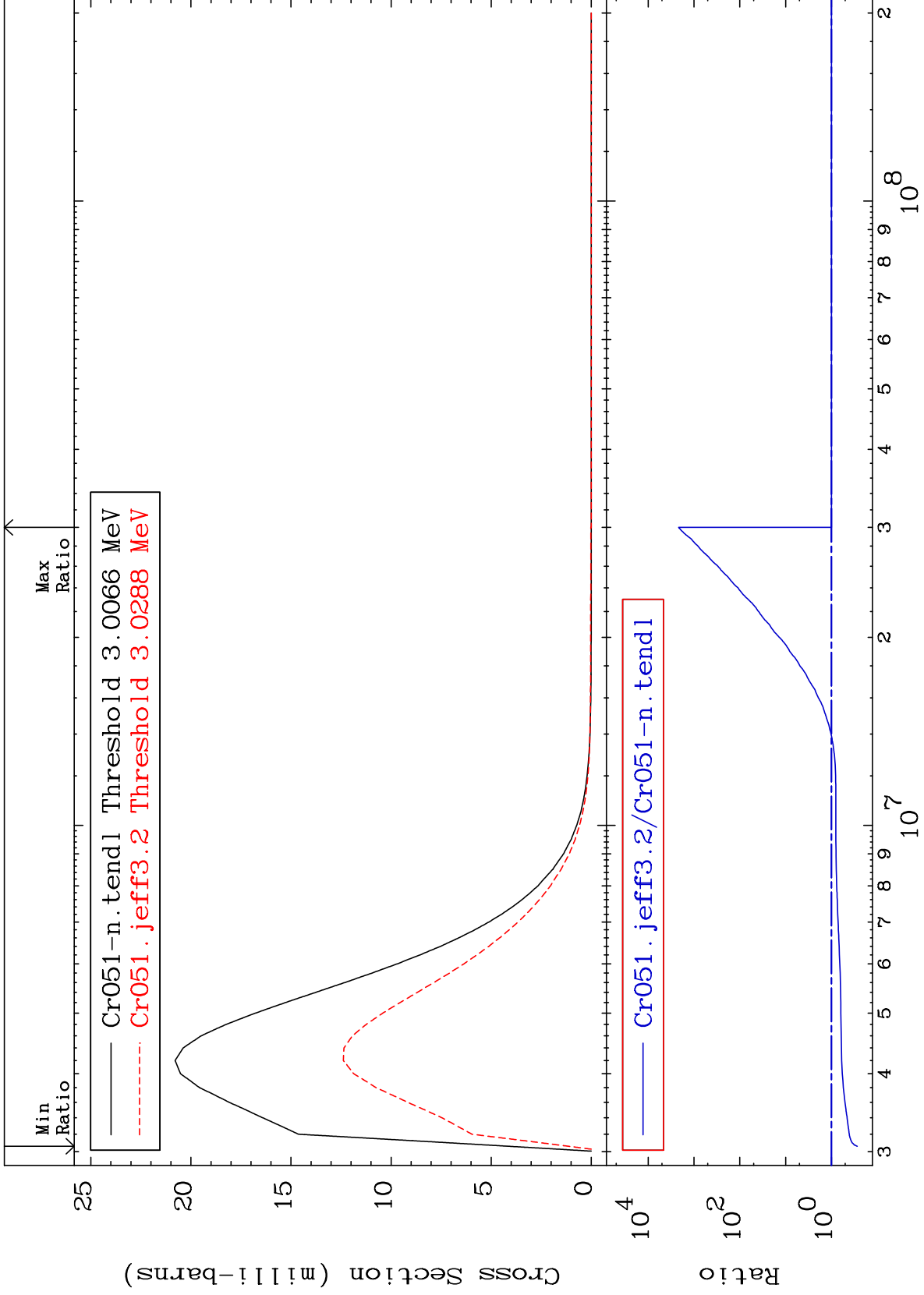
24-Cr-51
-84.38 To 23.14 %



MAT 2428

2.948 MeV (n,n') Level
Cross Section

24-Cr-51
-72.70 To 9999. %



38

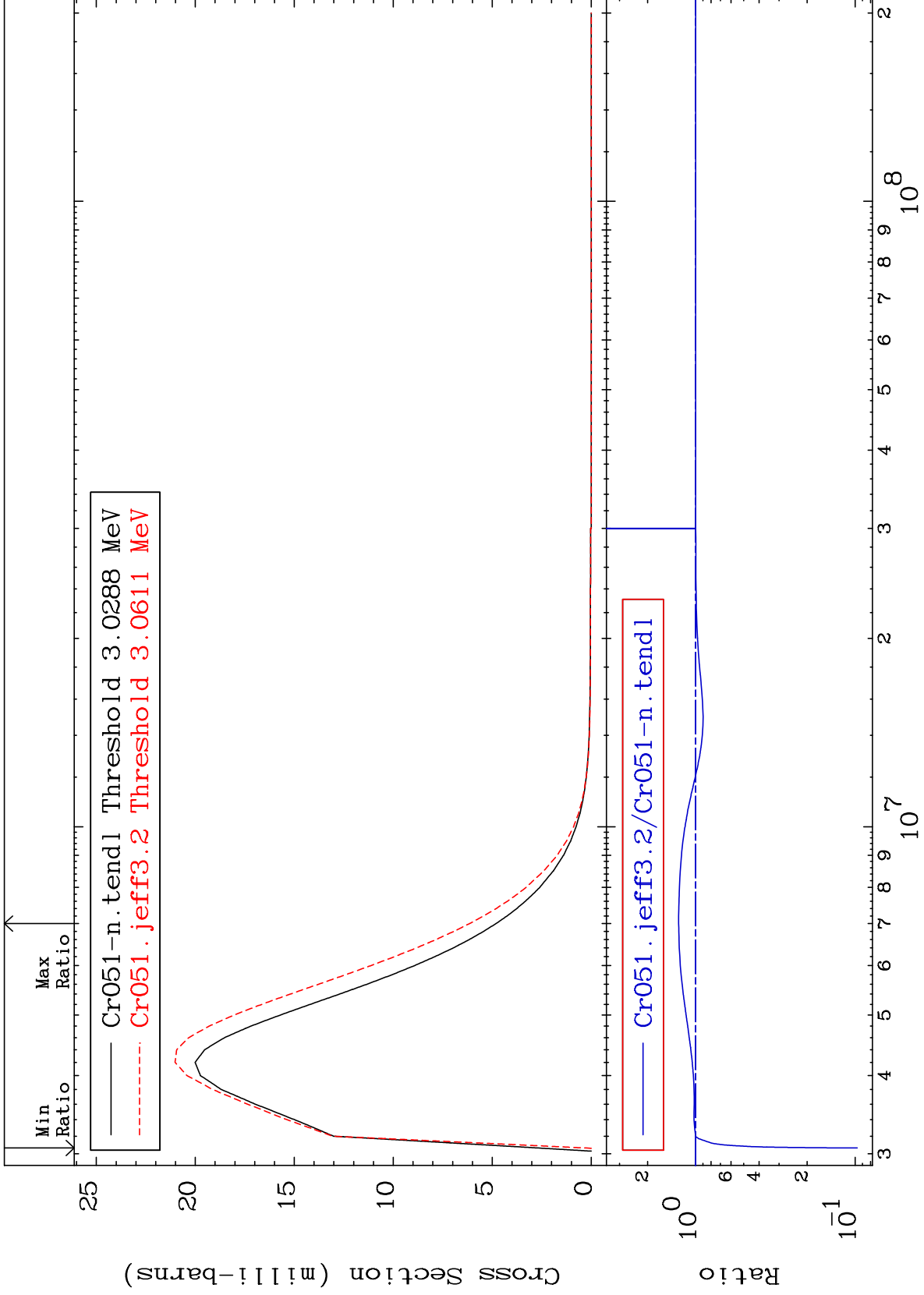
Incident Energy (eV)

24-Cr-51

MAT 2428

2.970 MeV (n,n') Level
Cross Section

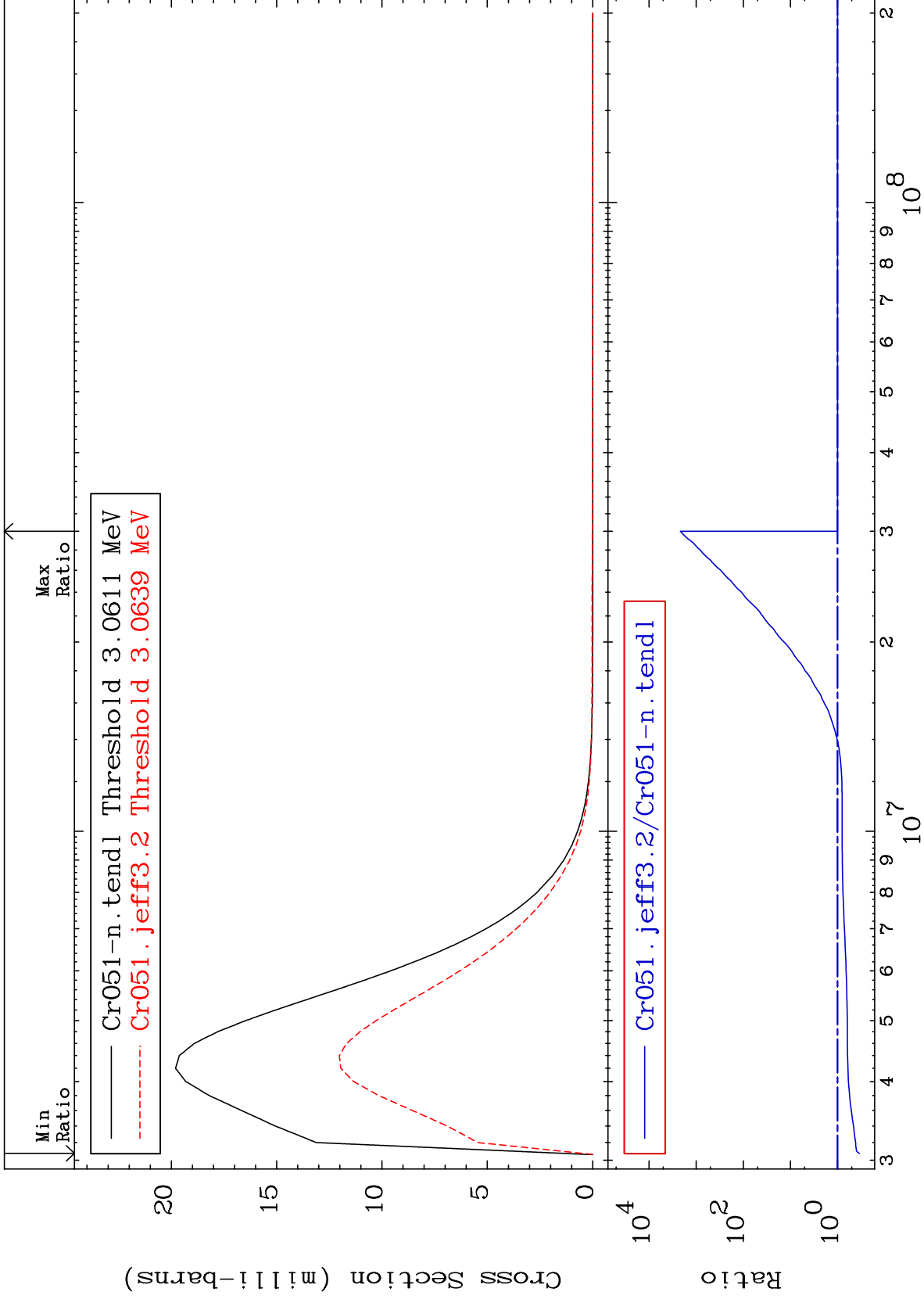
24-Cr-51
-90.30 To 27.89 %



MAT 2428

3.002 MeV (n,n') Level
Cross Section

24-Cr-51
-65.61 To 9999. %



40

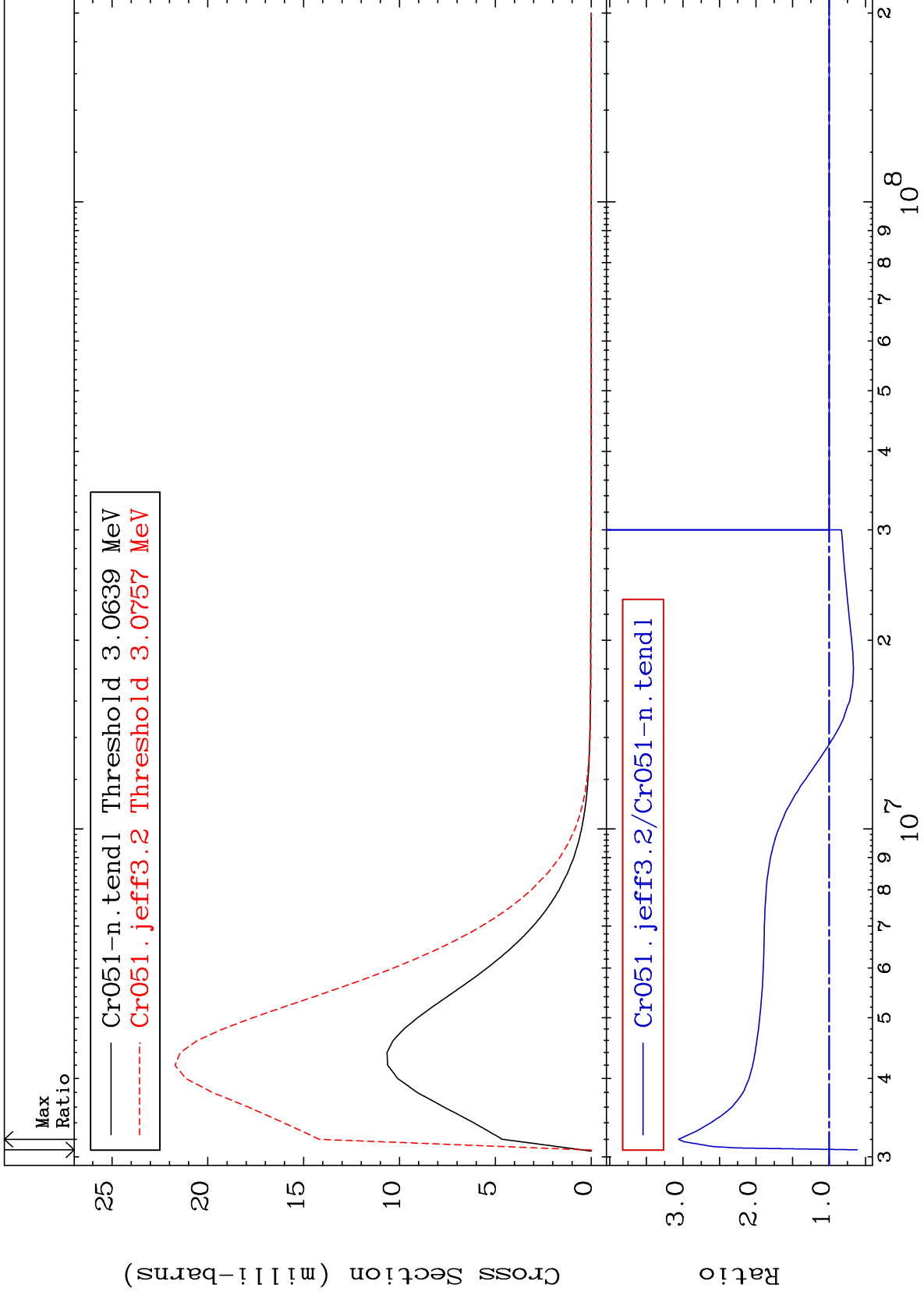
Incident Energy (eV)

24-Cr-51

MAT 2428

3.004 MeV (n,n') Level
Cross Section

24-Cr-51
-38.51 To 205.9 %

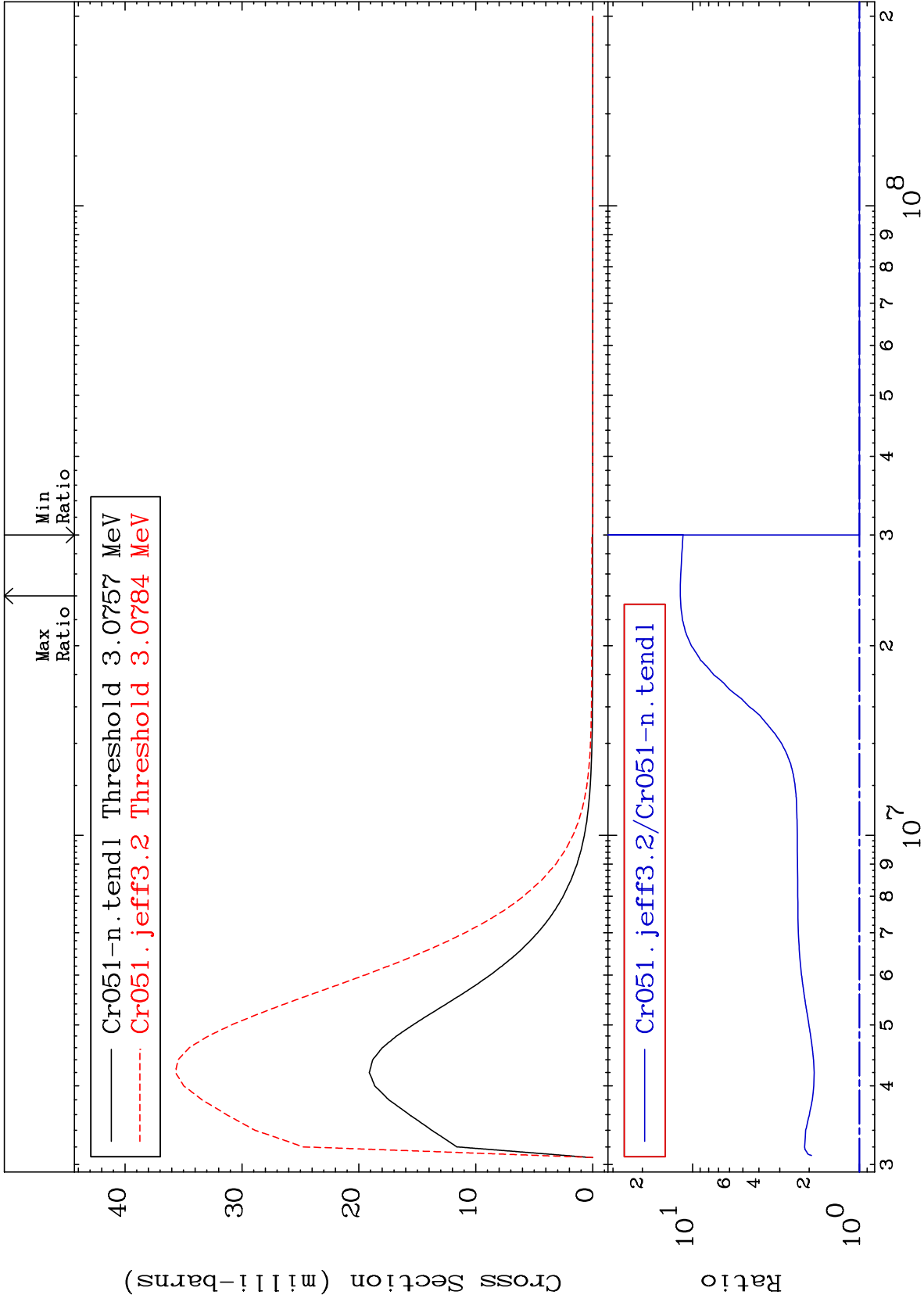


MAT 2428

3.016 MeV (n,n') Level

²⁴Cr-51

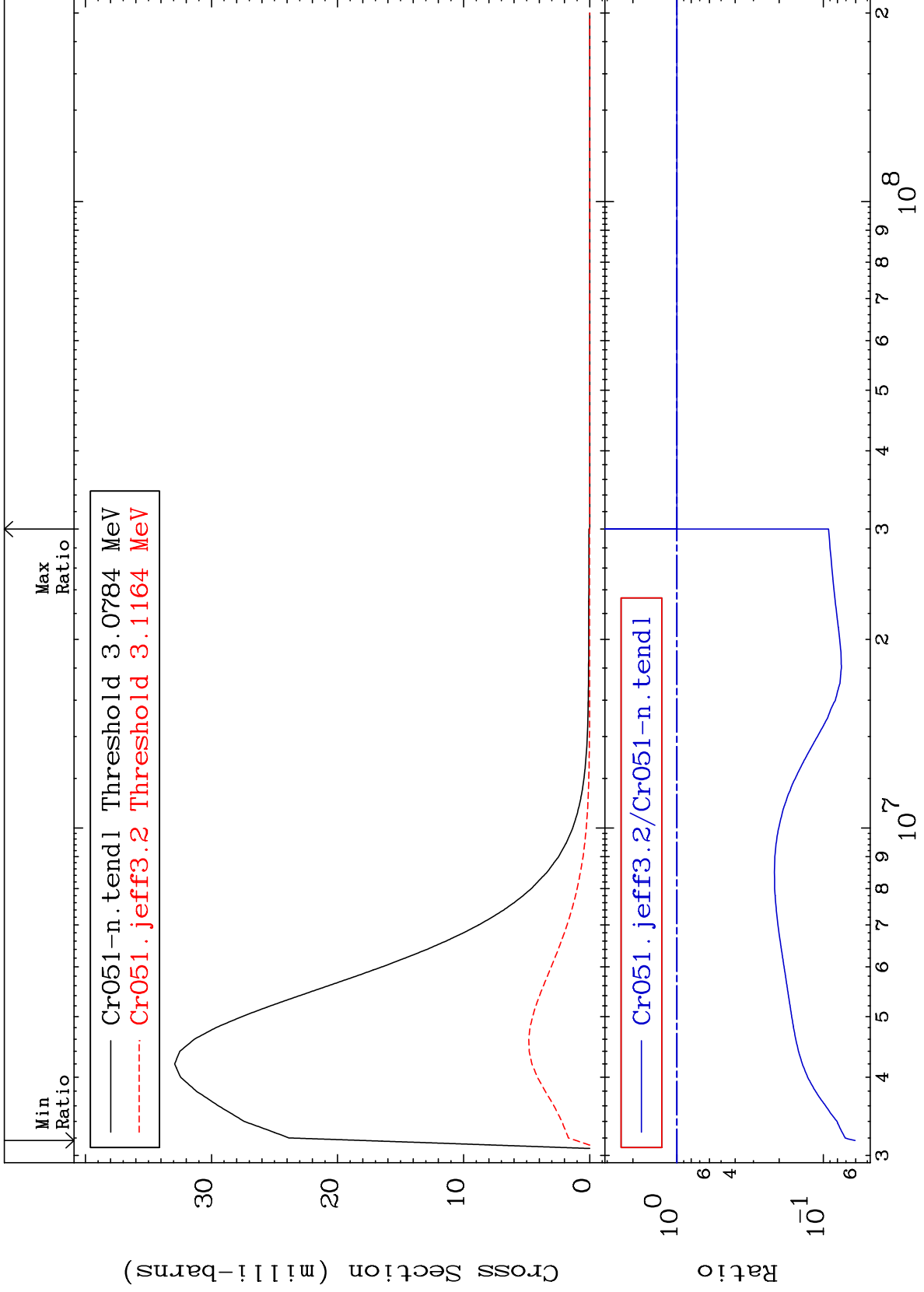
0.000 To 1084. %



MAT 2428

3.019 MeV (n,n') Level
Cross Section

24-Cr-51
-93.94 To 0.000 %

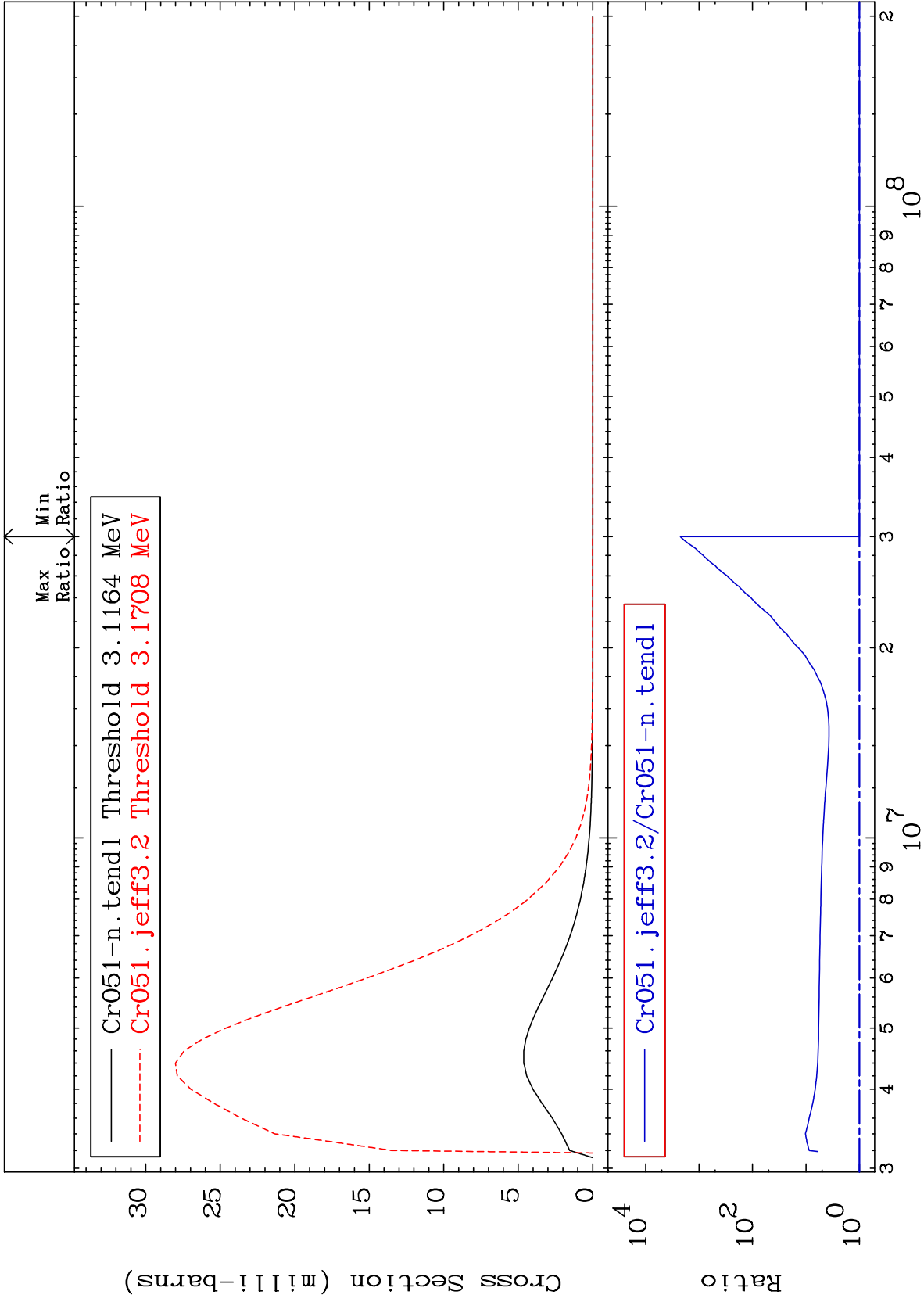


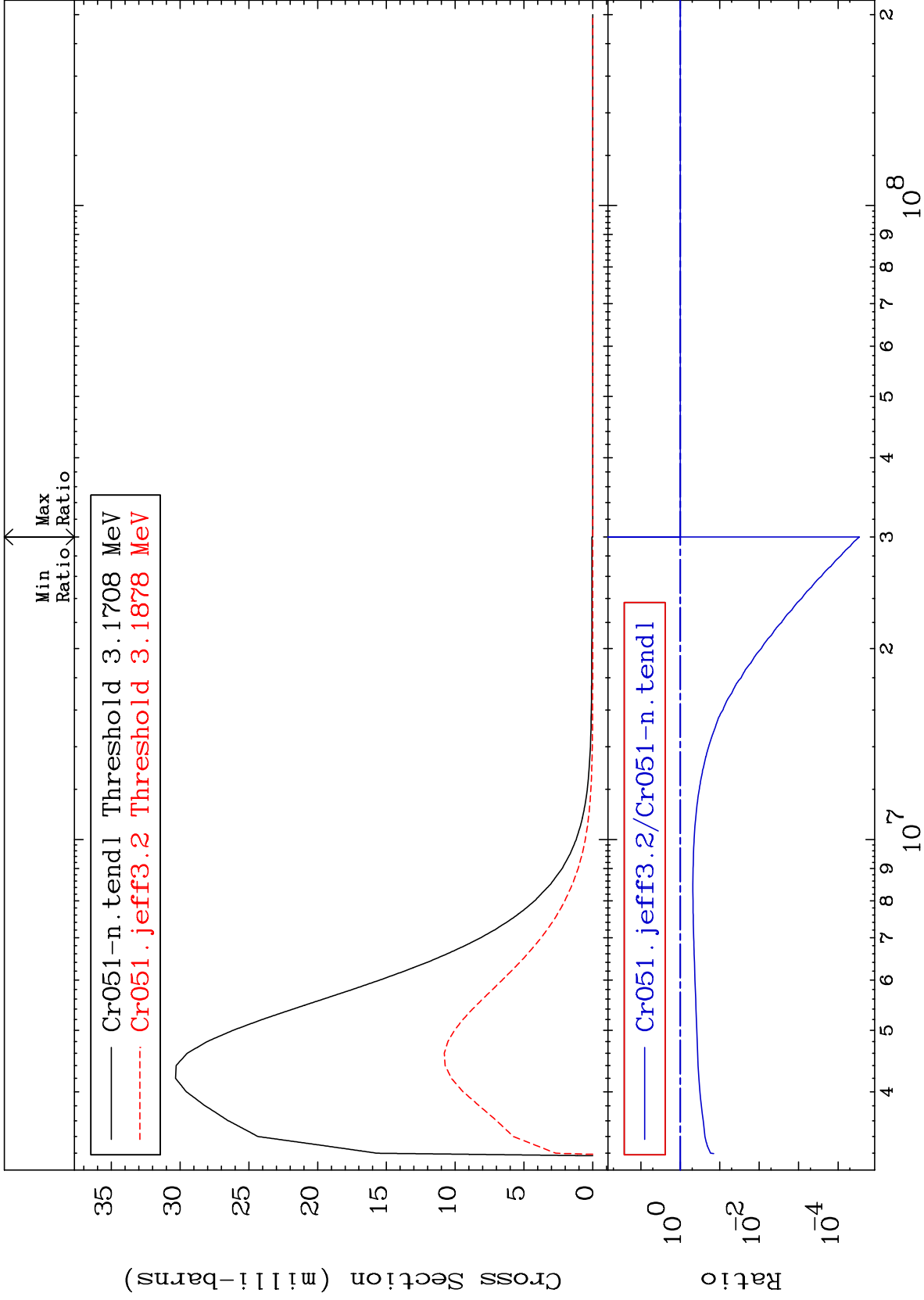
MAT 2428

3.056 MeV (n,n') Level

²⁴Cr-51

0.000 To 9999. %

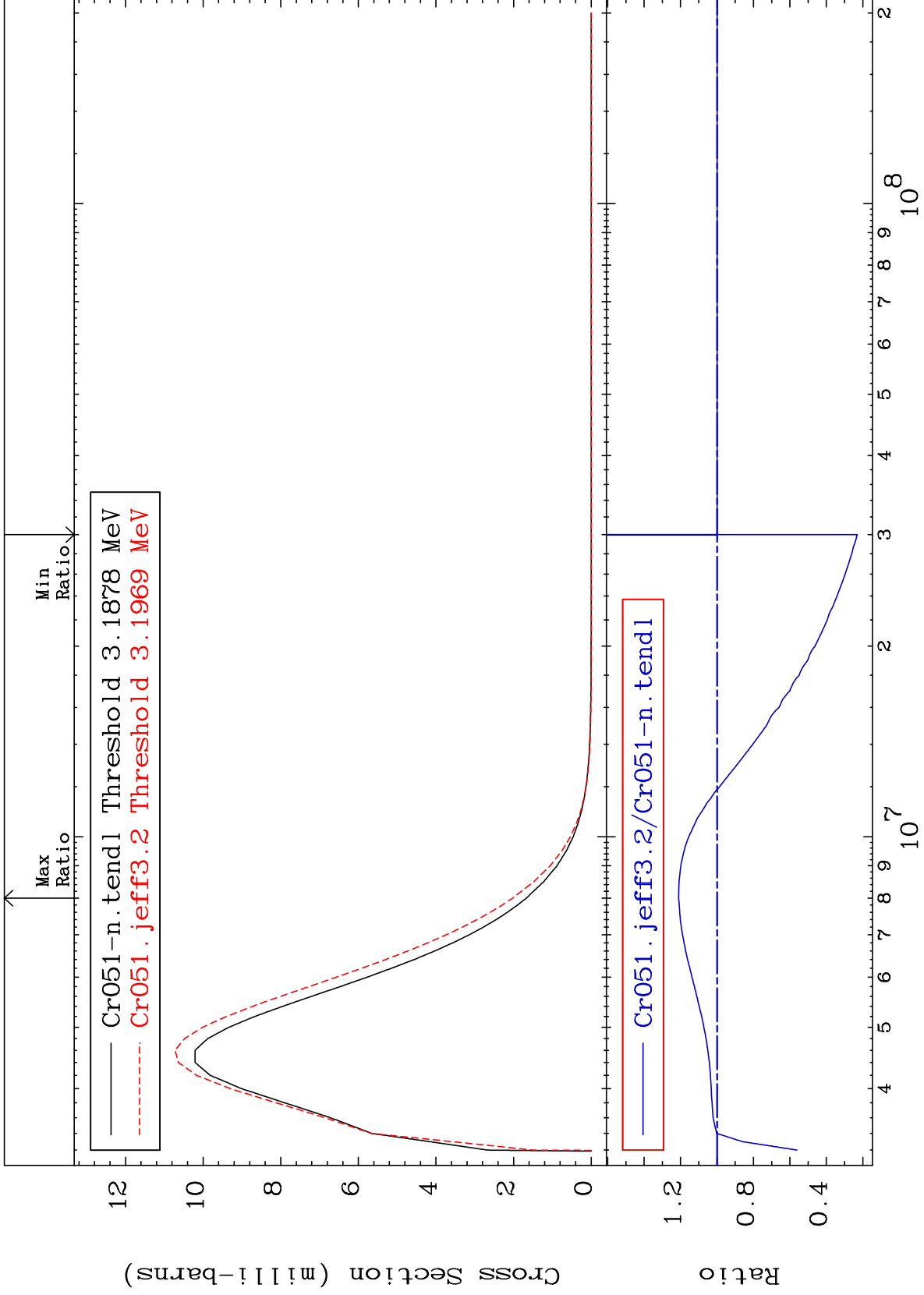


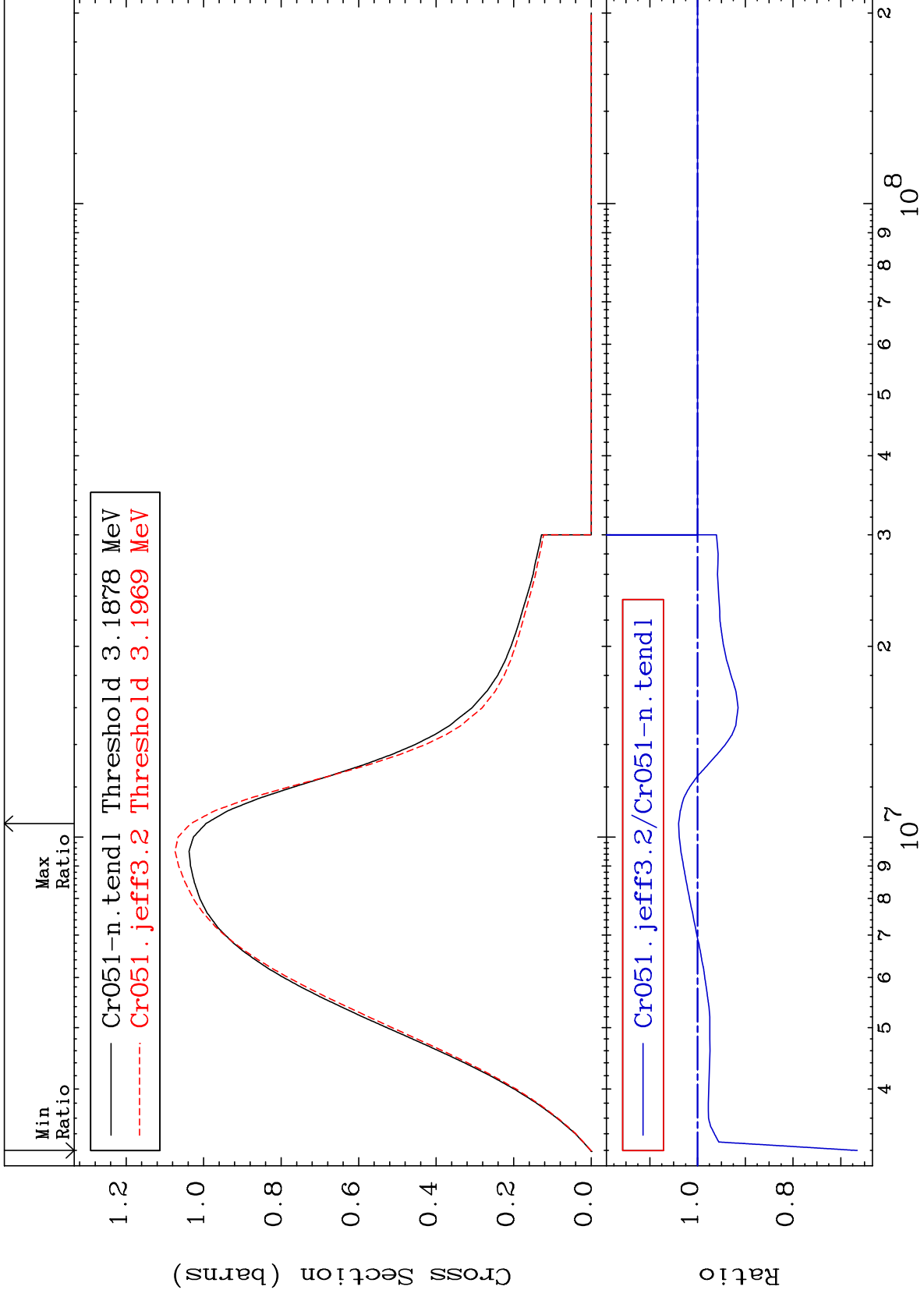


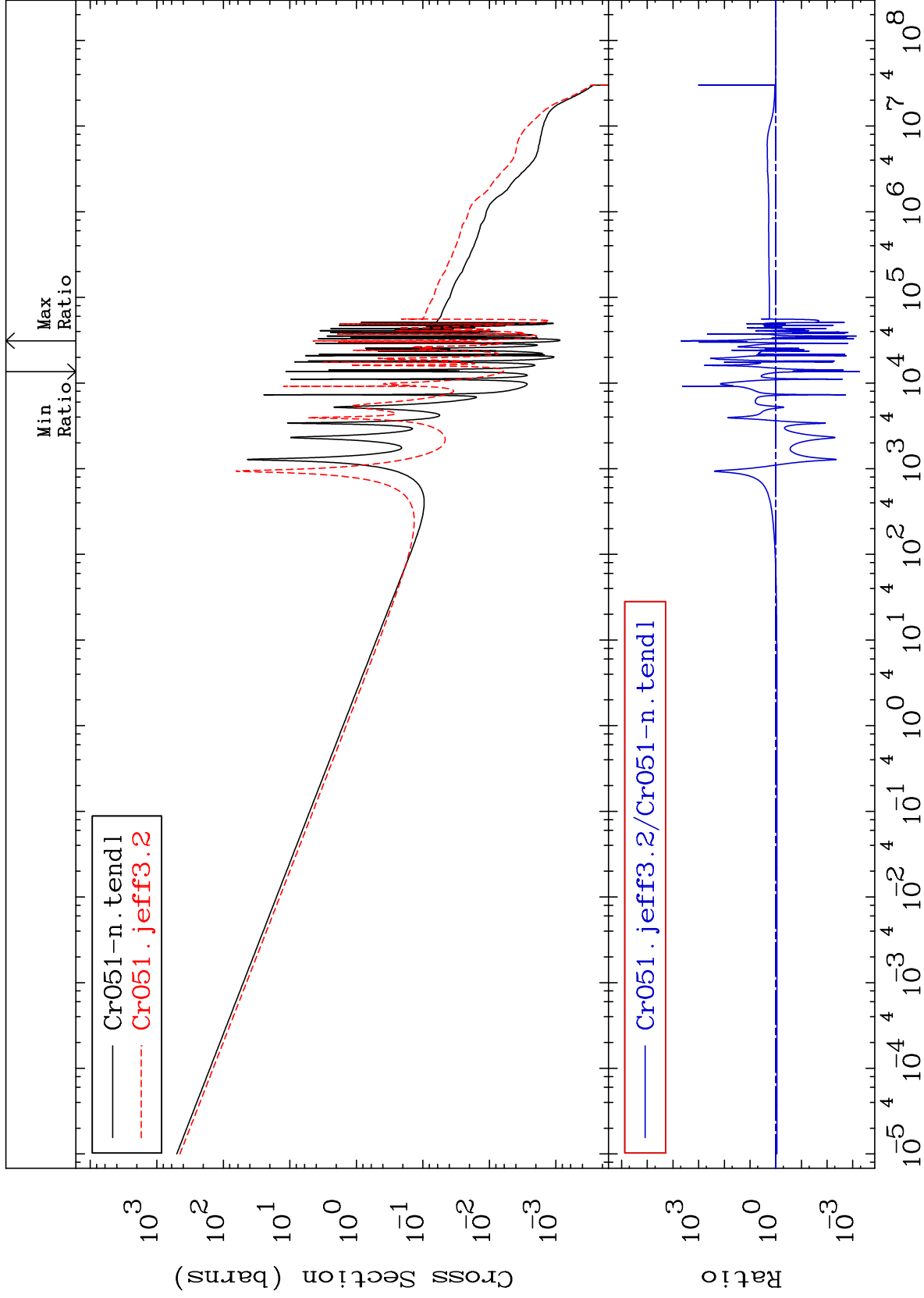
MAT 2428

3.126 MeV (n,n') Level
Cross Section

24-Cr-51
-76.96 To 21.06 %







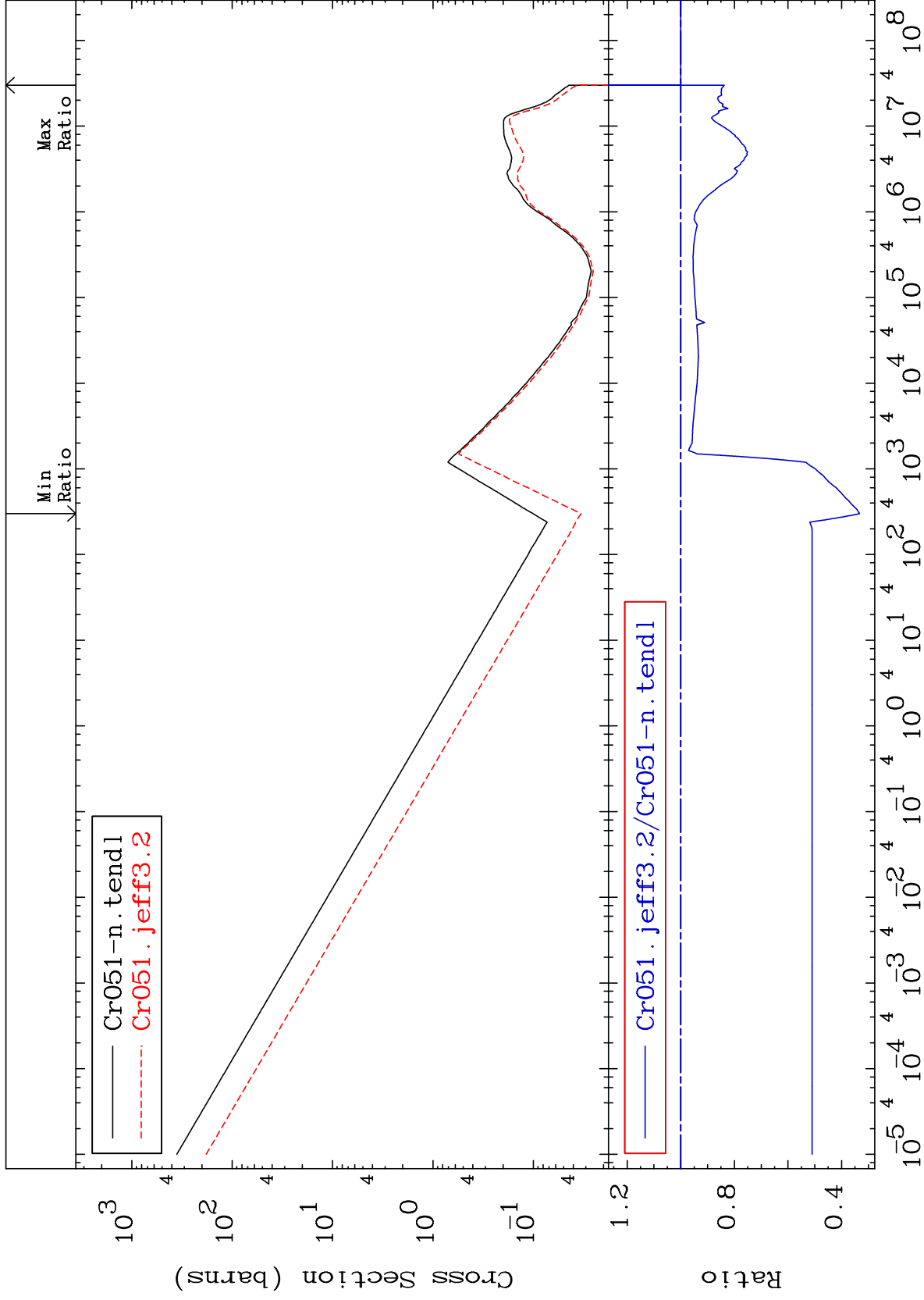
MAT 2428

(n,p)

24-Cr-51

Cross Section

-66.69 To 0.000 %



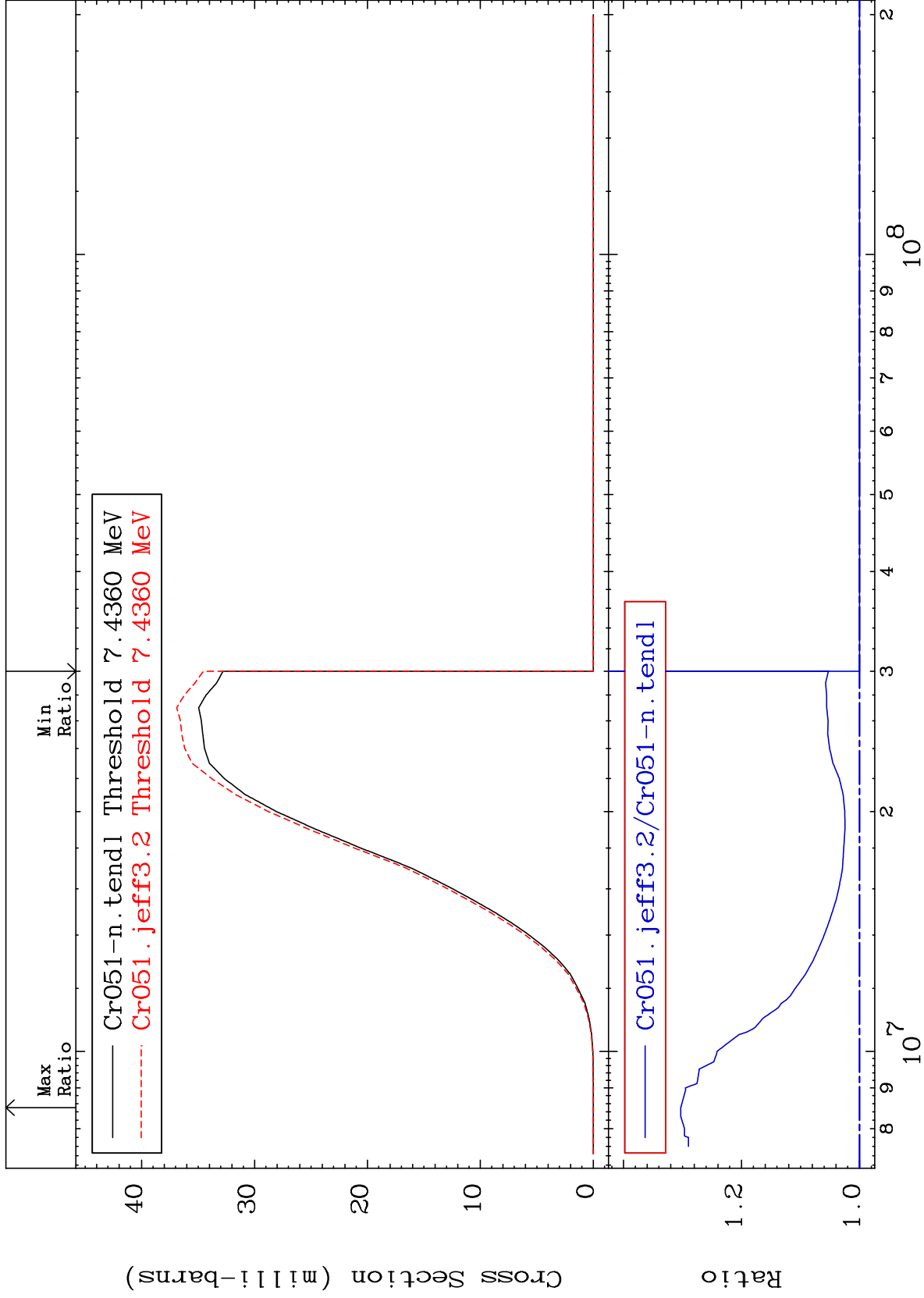
MAT 2428

(n, d)

²⁴Cr-51

Cross Section

0.000 To 30.30 %



50

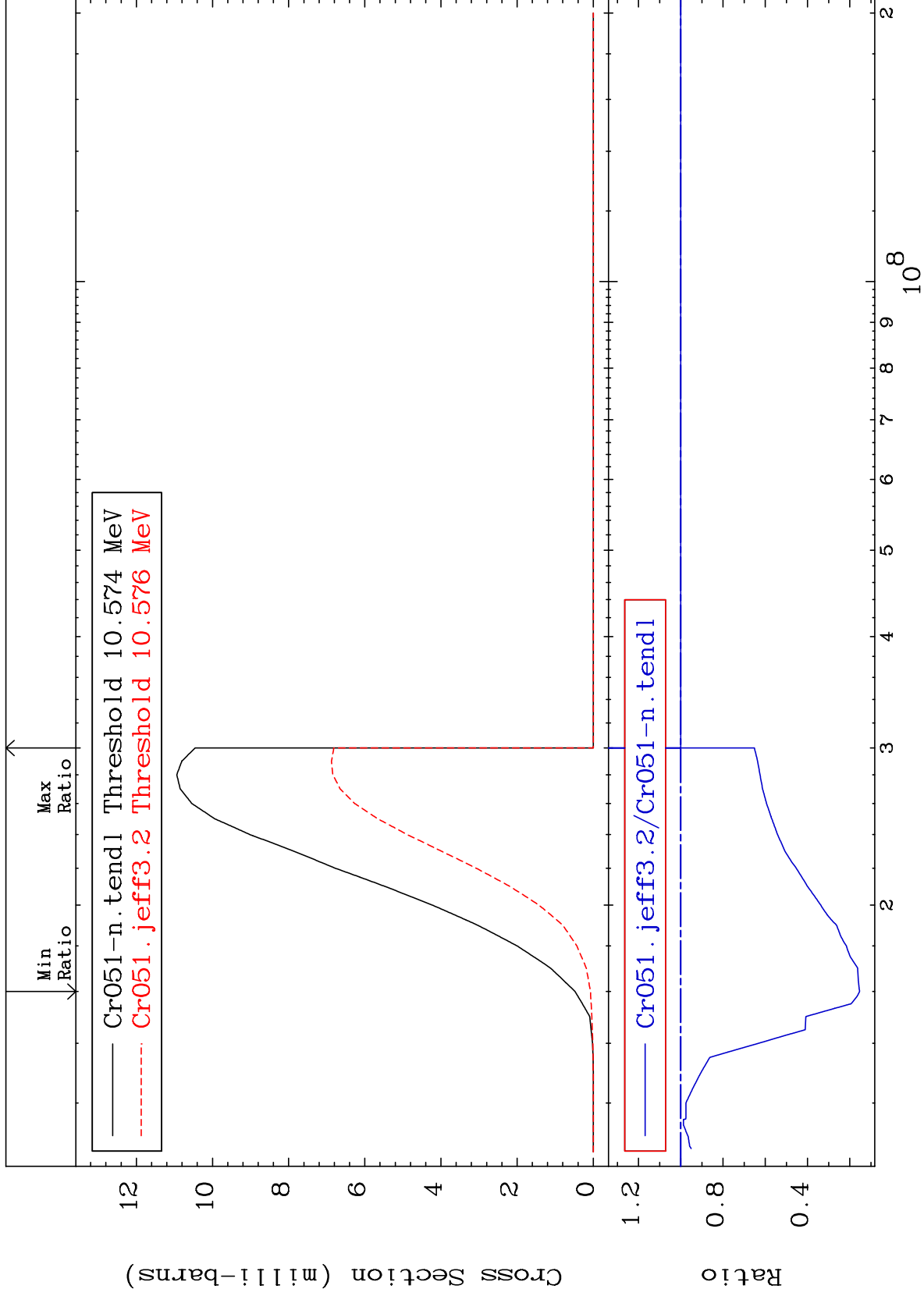
Incident Energy (eV)

²⁴Cr-51

MAT 2428

(n, t)
Cross Section

²⁴Cr-51
-84.60 To 0.000 %



51

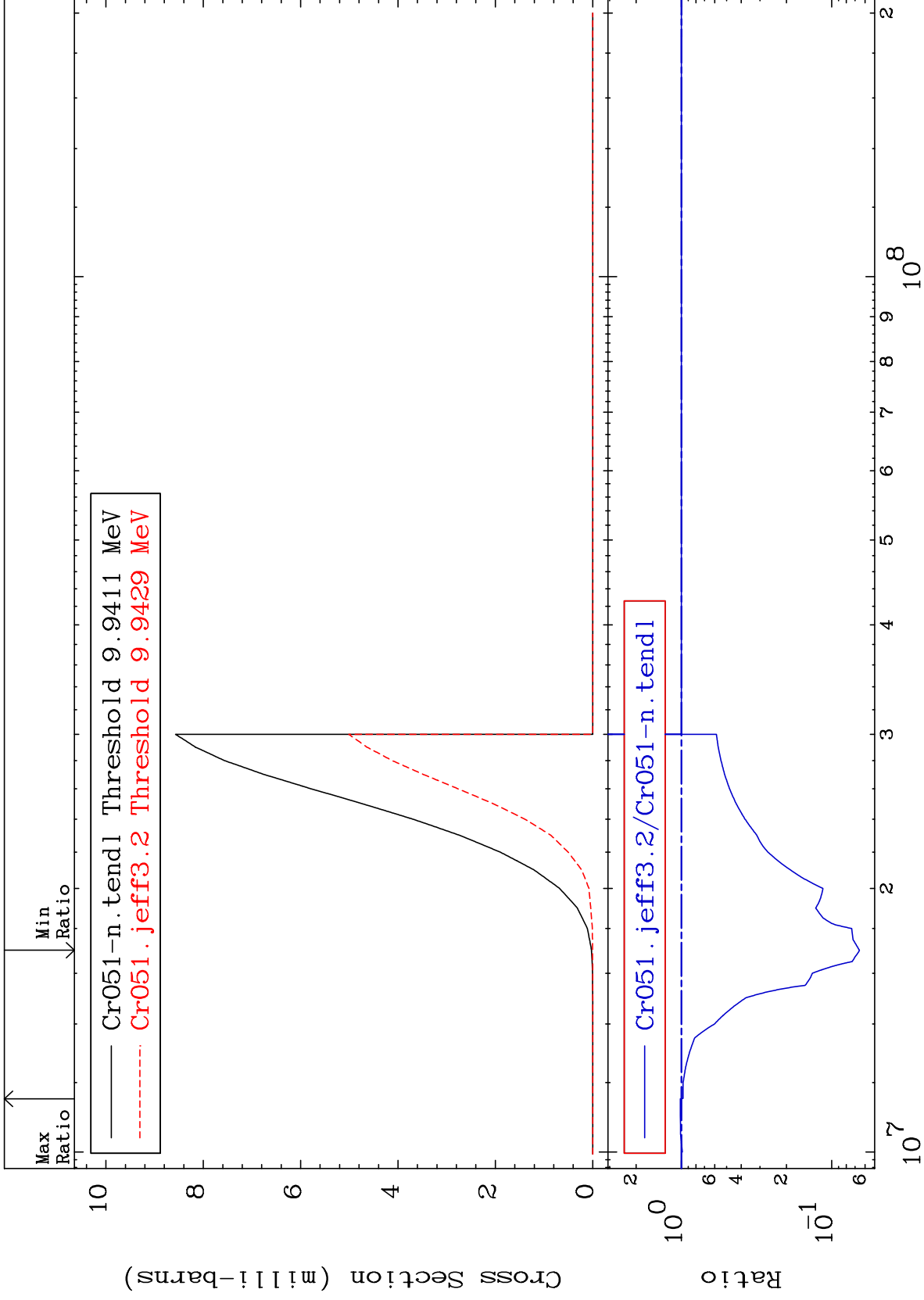
Incident Energy (eV)

²⁴Cr-51

MAT 2428

(n, He-3)
Cross Section

²⁴Cr-51
-93.46 To 1.454 %



52

Incident Energy (eV)

²⁴Cr-51

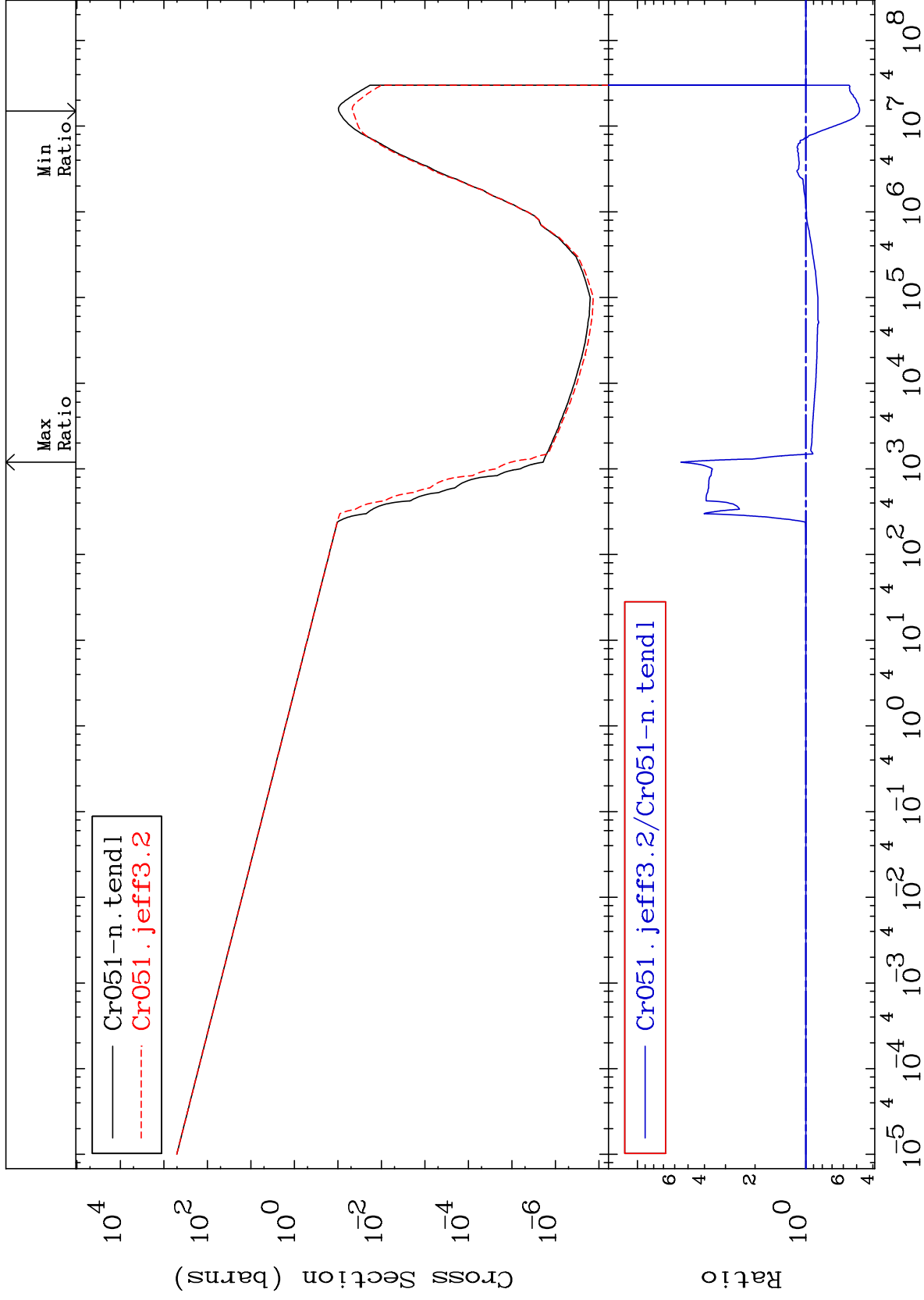
MAT 2428

(n, α)

24-Cr-51

Cross Section

-51.96 To 452.5 %



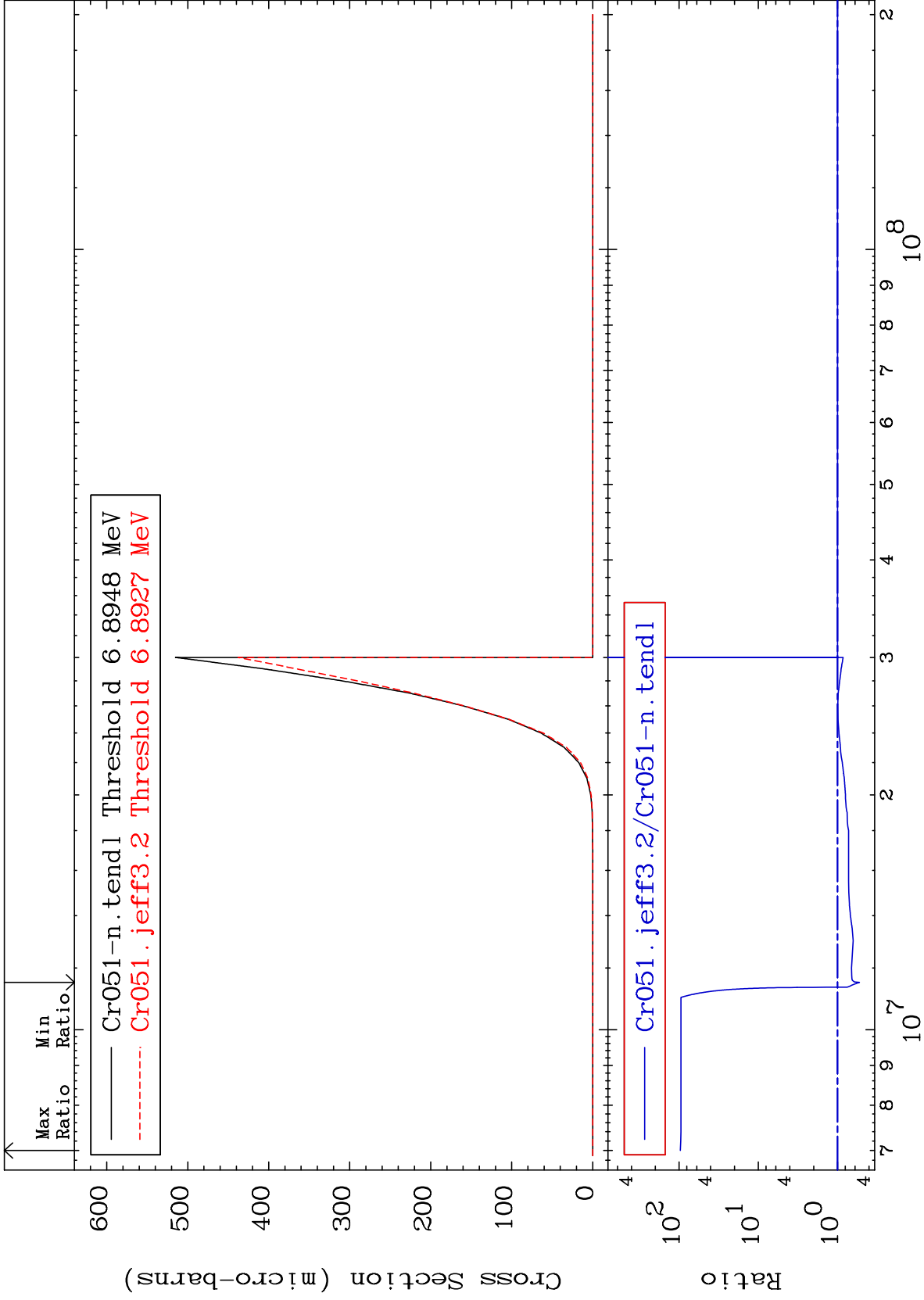
Incident Energy (eV)

24-Cr-51

53

Cross Section

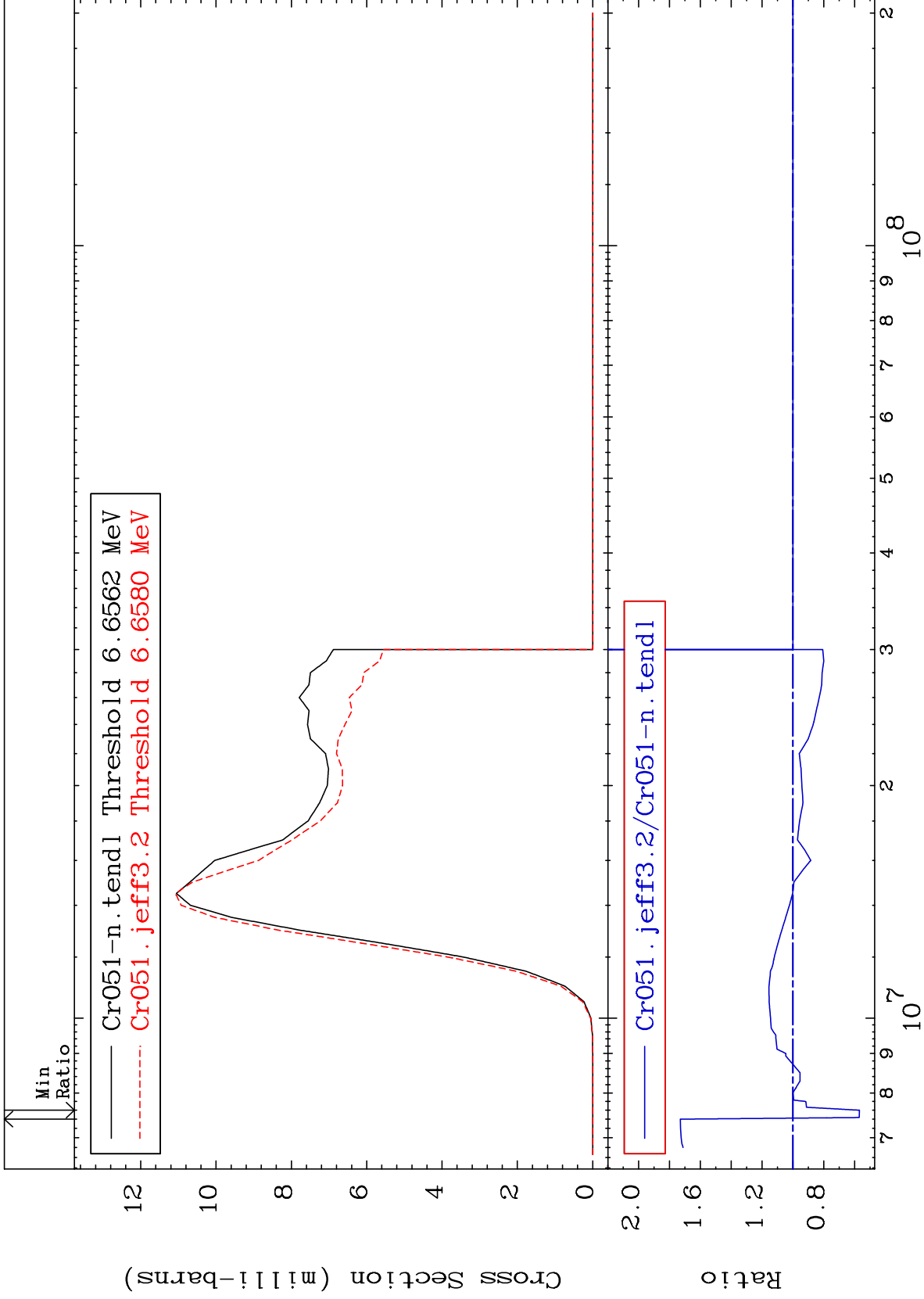
-47.09 To 9545. %



MAT 2428

(n,2p)
Cross Section

²⁴Cr-51
-43.10 To 72.96 %



55

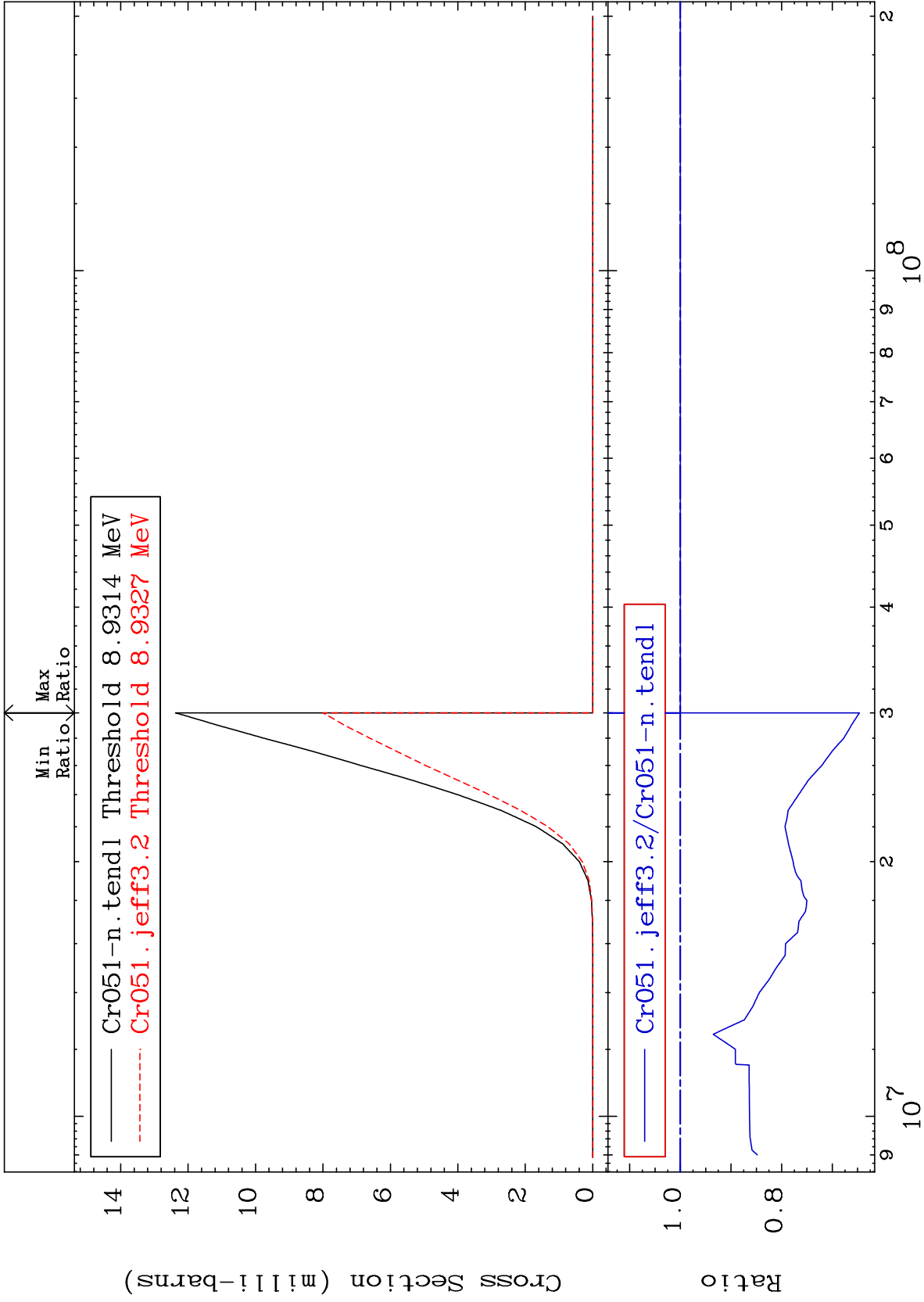
Incident Energy (eV)

²⁴Cr-51

MAT 2428

(n, p) α
Cross Section

²⁴Cr-51
-35.36 To 0.000 %



56

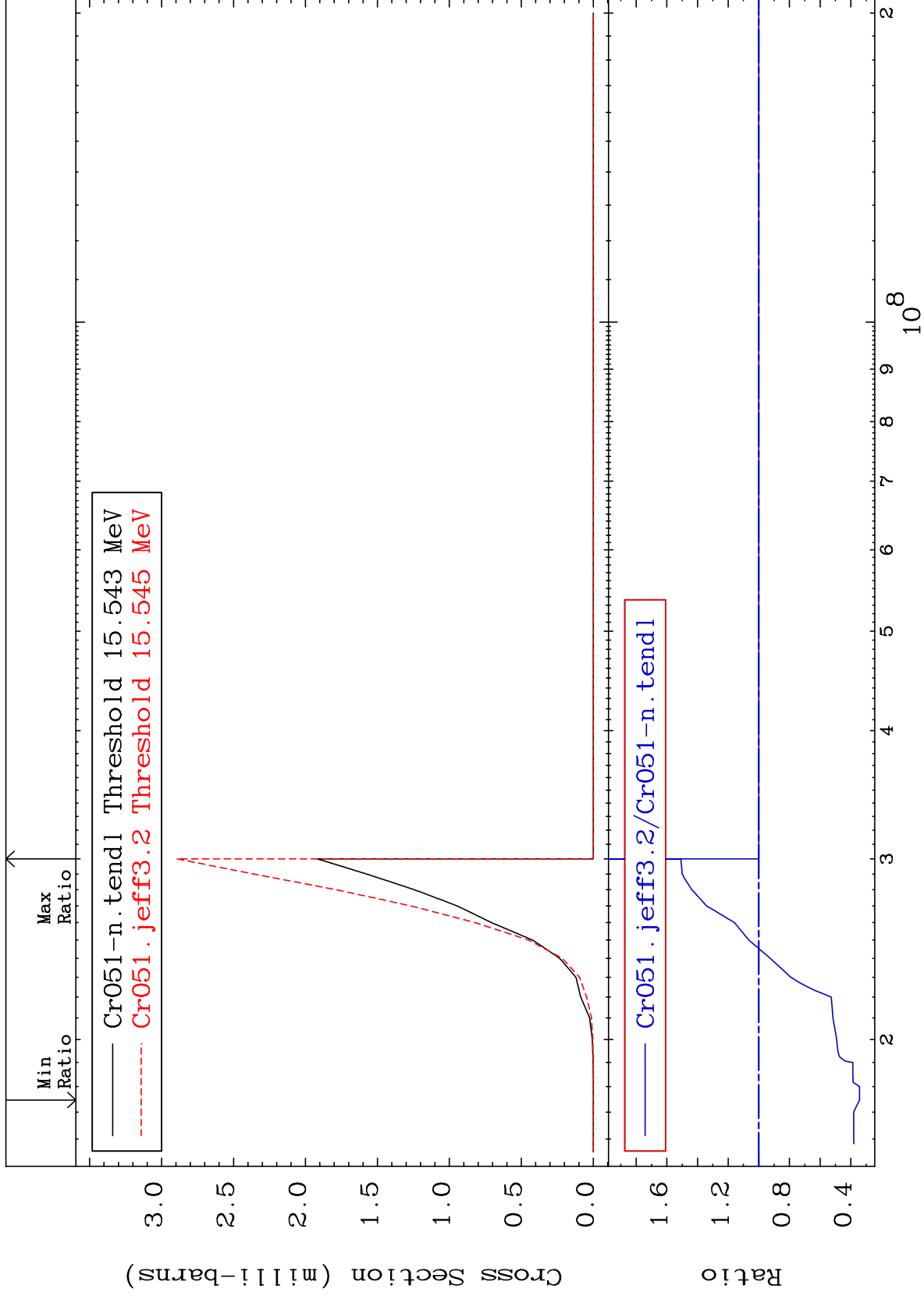
Incident Energy (eV)

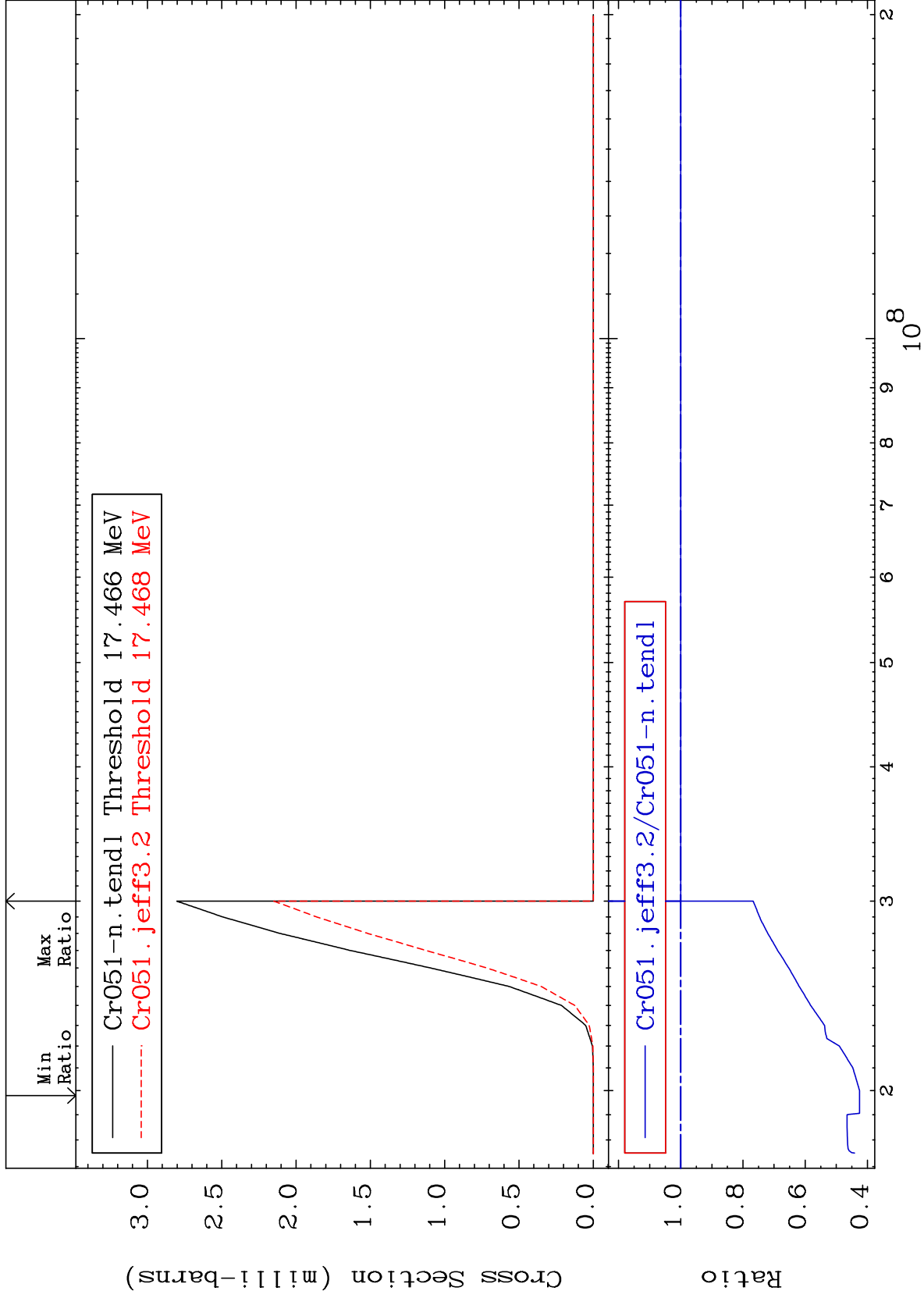
²⁴Cr-51

MAT 2428

(n, p) d
Cross Section

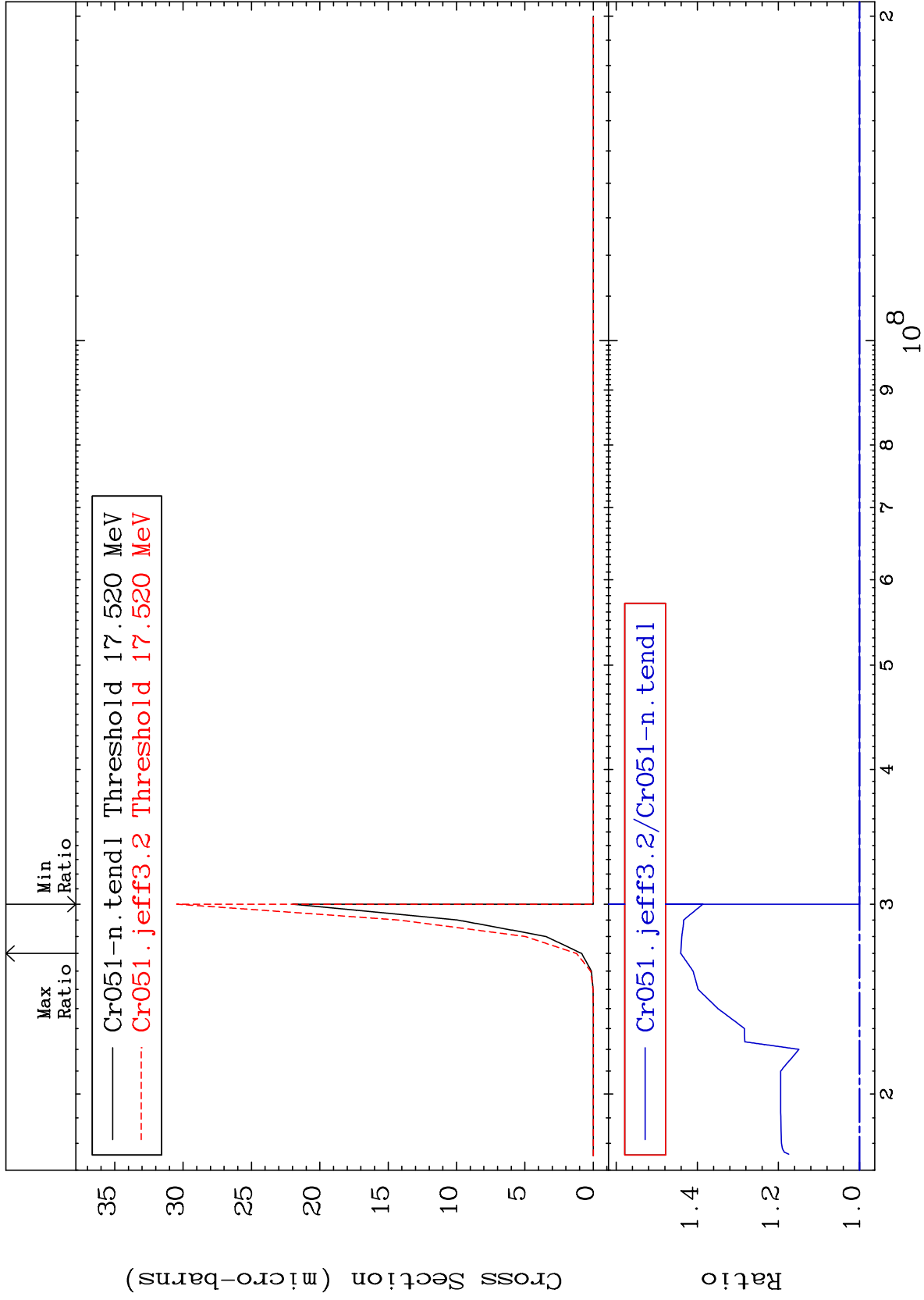
²⁴Cr-51
-65.72 To 50.91 %





MAT 2428

(n,d) α Cross Section
0.000 To 44.08 % $^{24}\text{Cr-51}$



59

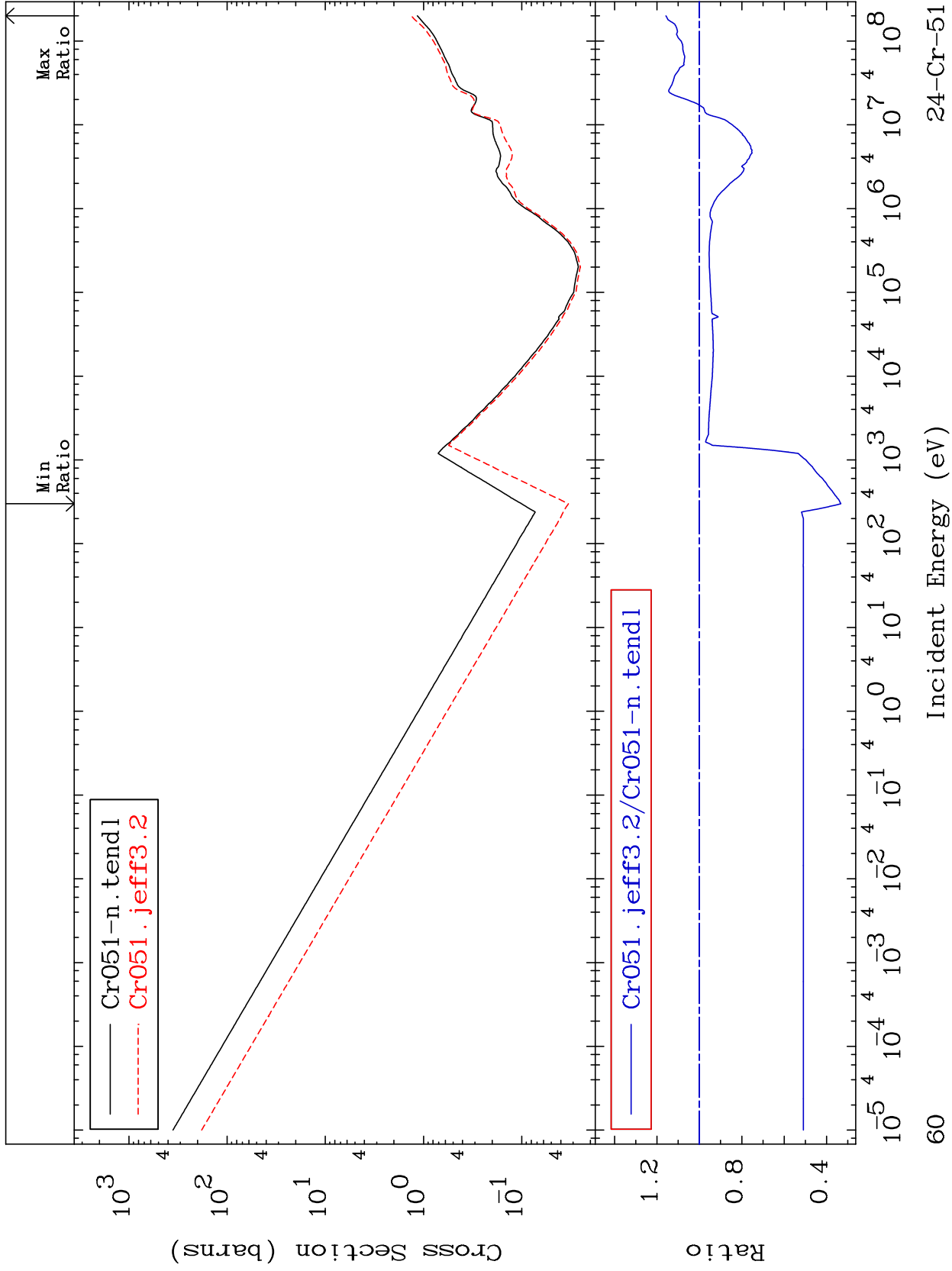
Incident Energy (eV)

$^{24}\text{Cr-51}$

MAT 2428

Hydrogen Production
Cross Section

24-Cr-51
-66.69 To 15.75 %



60

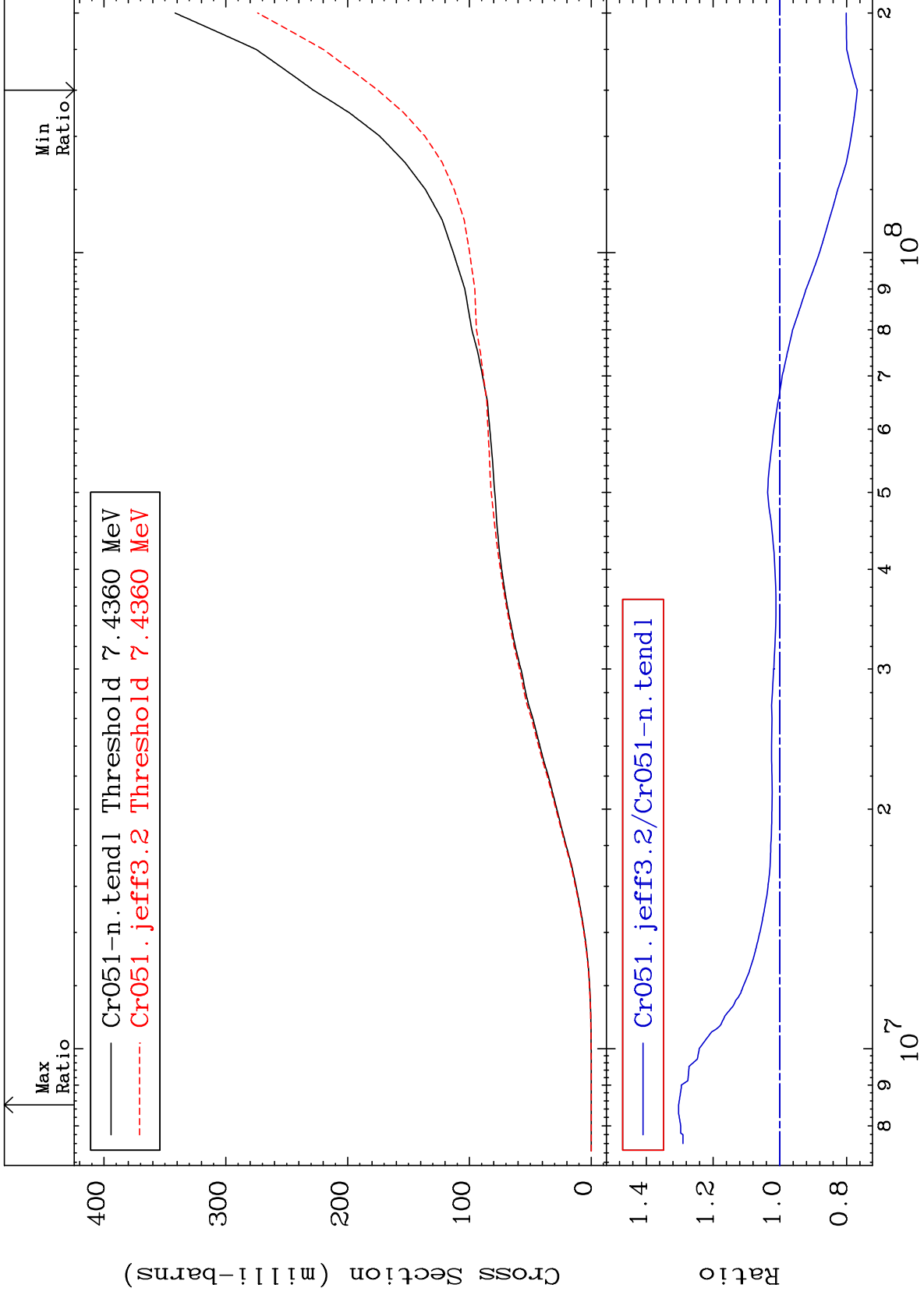
Incident Energy (eV)

24-Cr-51

MAT 2428

Deuterium Production
Cross Section

²⁴Cr-51
-23.20 To 30.30 %



61

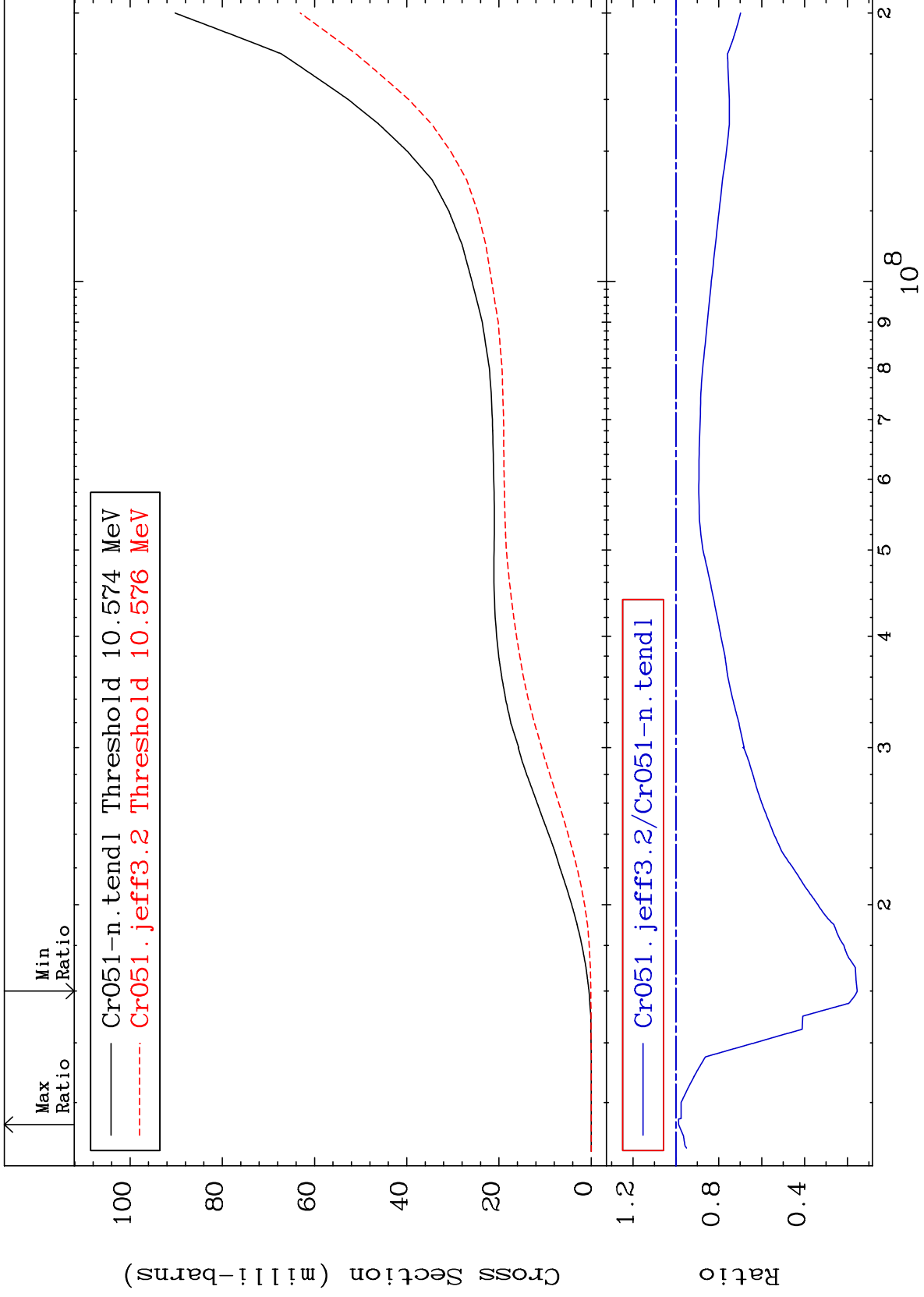
Incident Energy (eV)

²⁴Cr-51

MAT 2428

Tritium Production
Cross Section

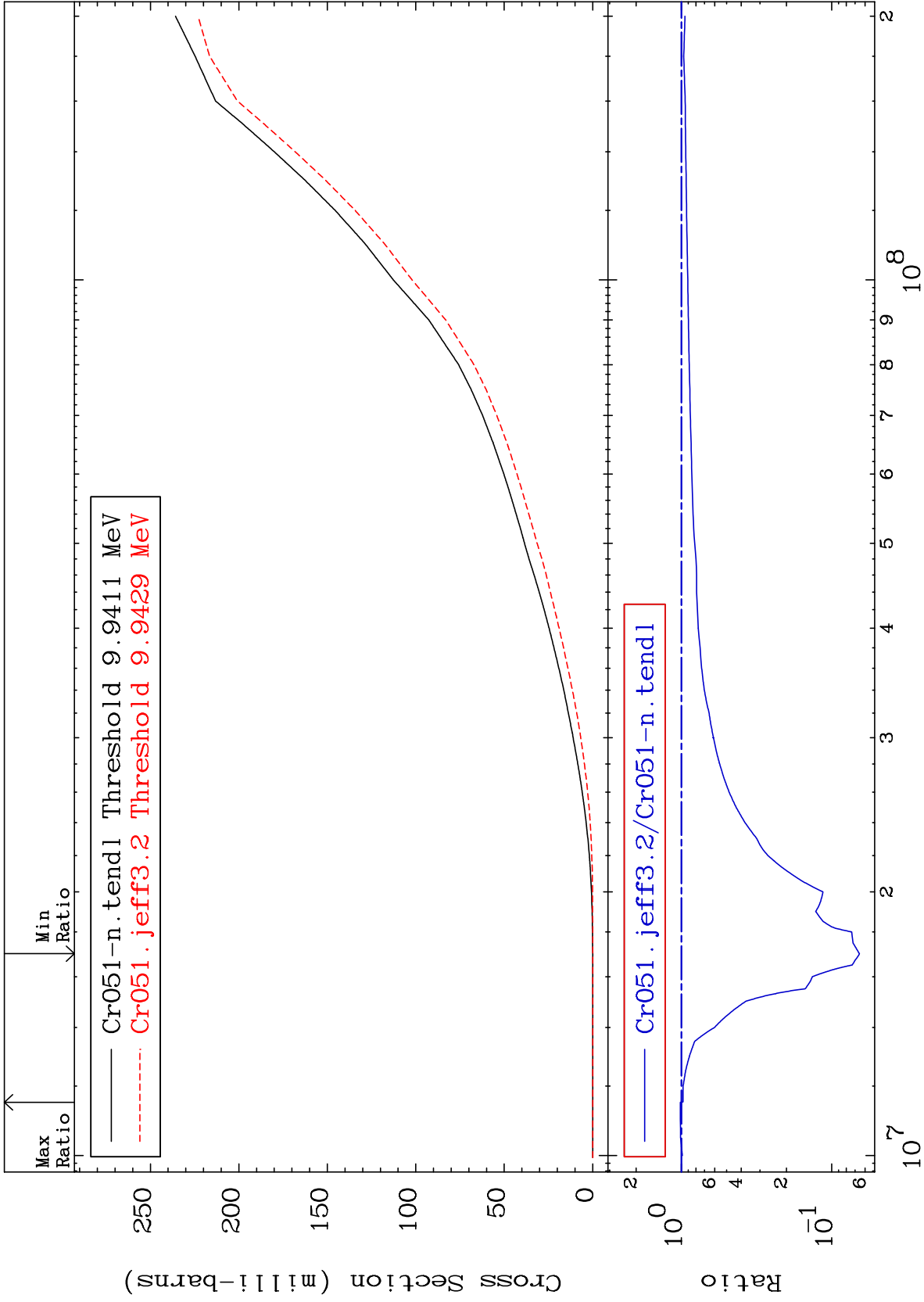
²⁴Cr-51
-84.60 To -1.246%



MAT 2428

He-3 Production
Cross Section

²⁴Cr-51
-93.46 To 1.454 %



63

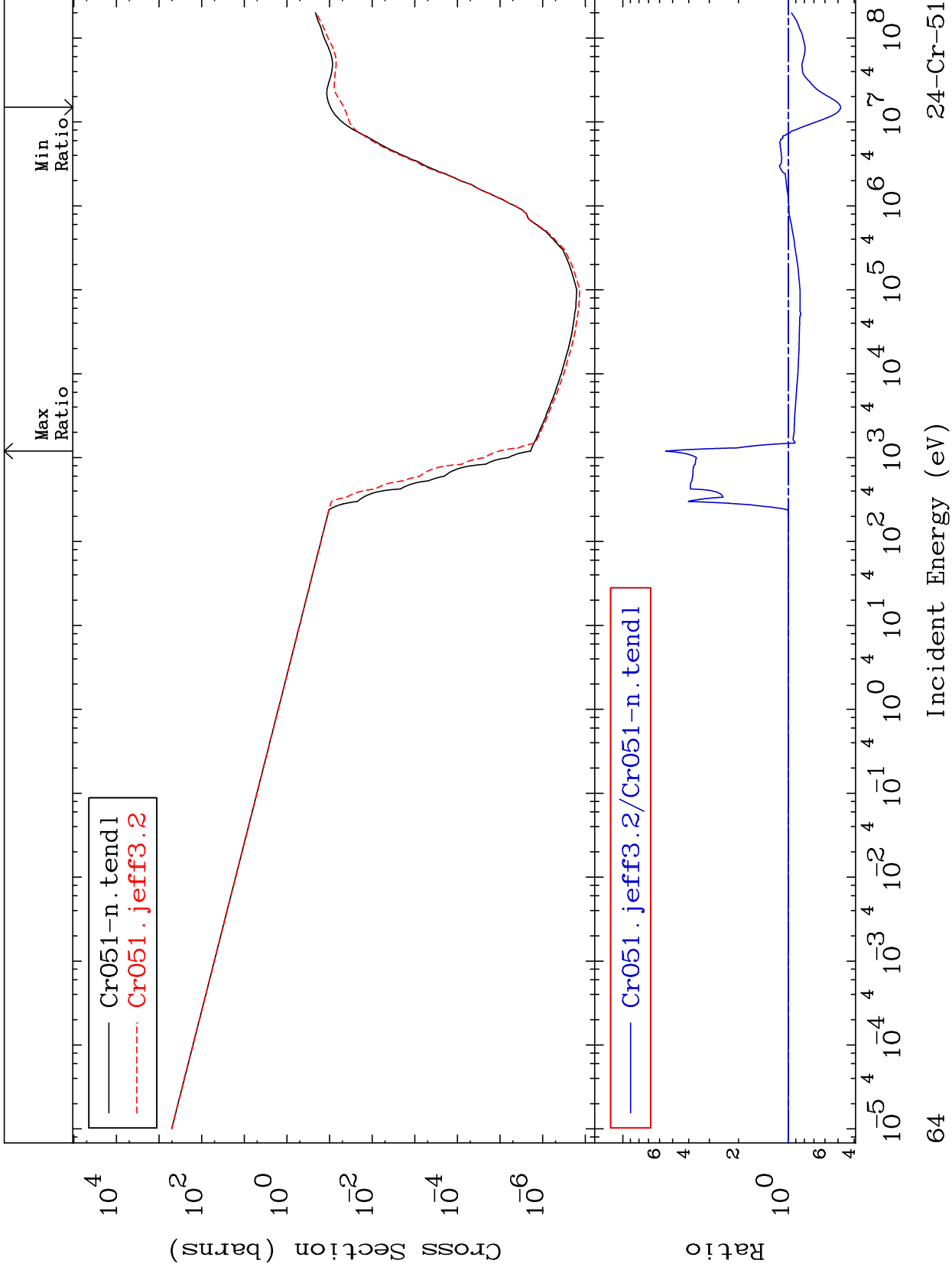
Incident Energy (eV)

²⁴Cr-51

MAT 2428

He-4 Production
Cross Section

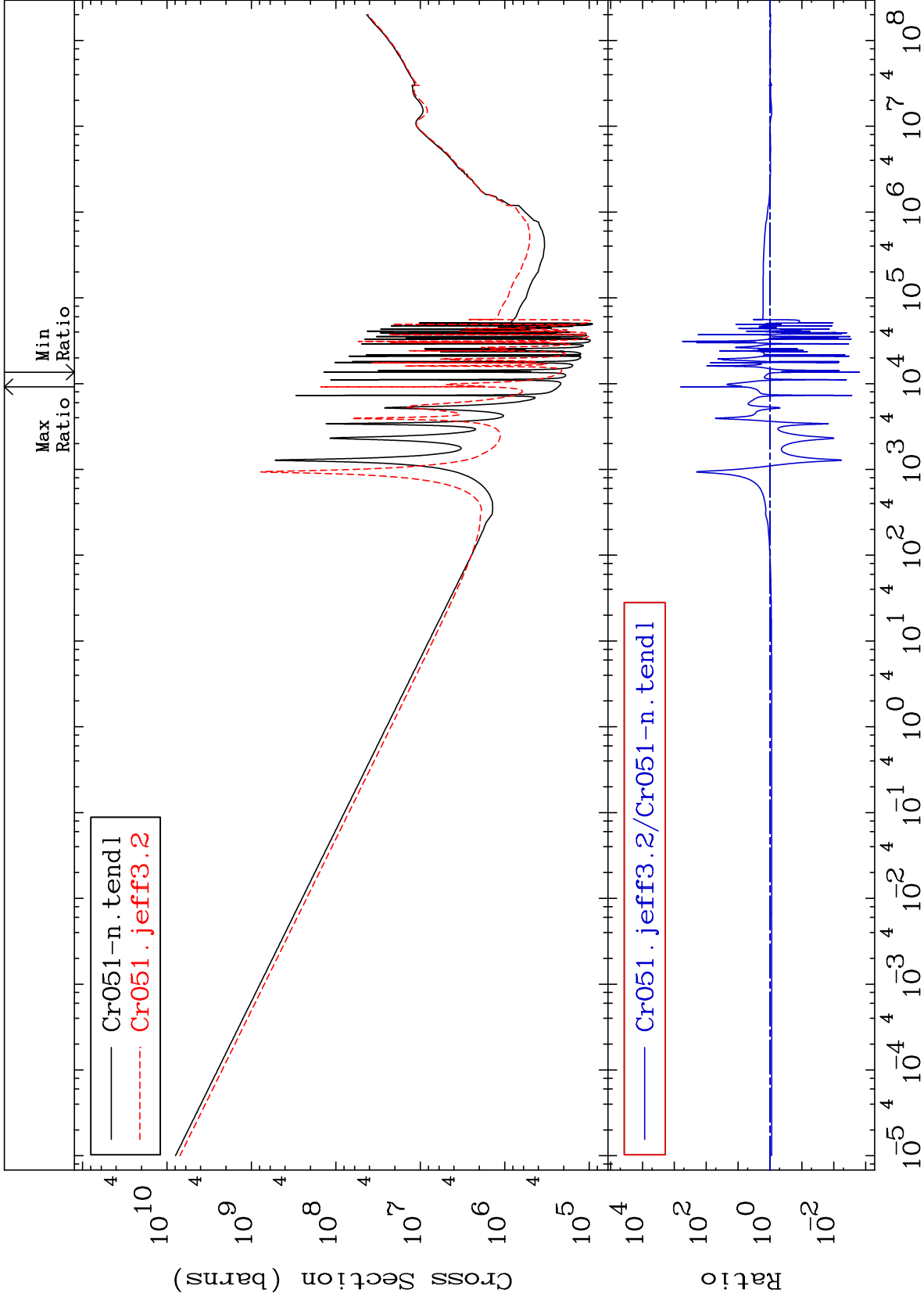
24-Cr-51
-51.81 To 452.5 %

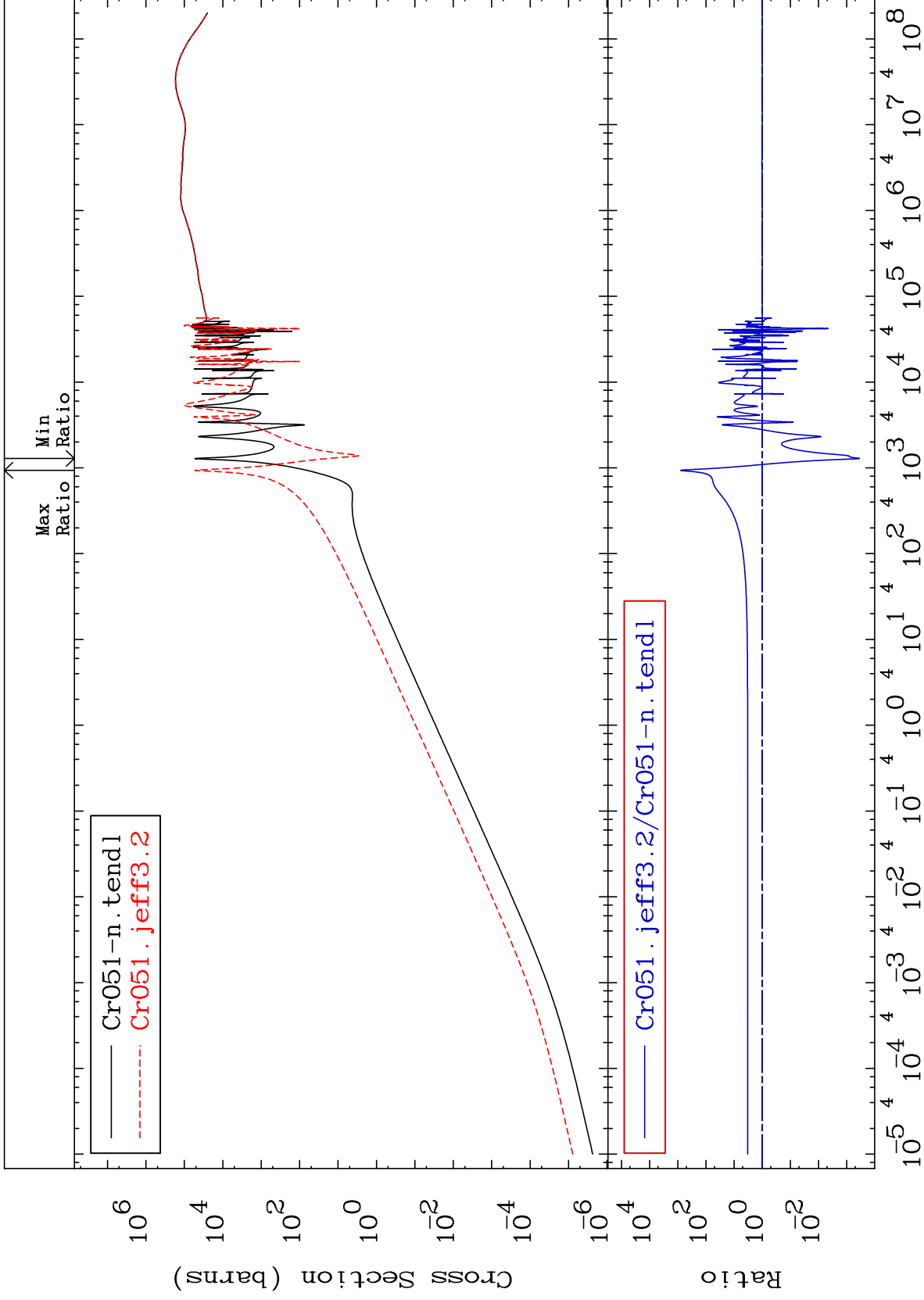


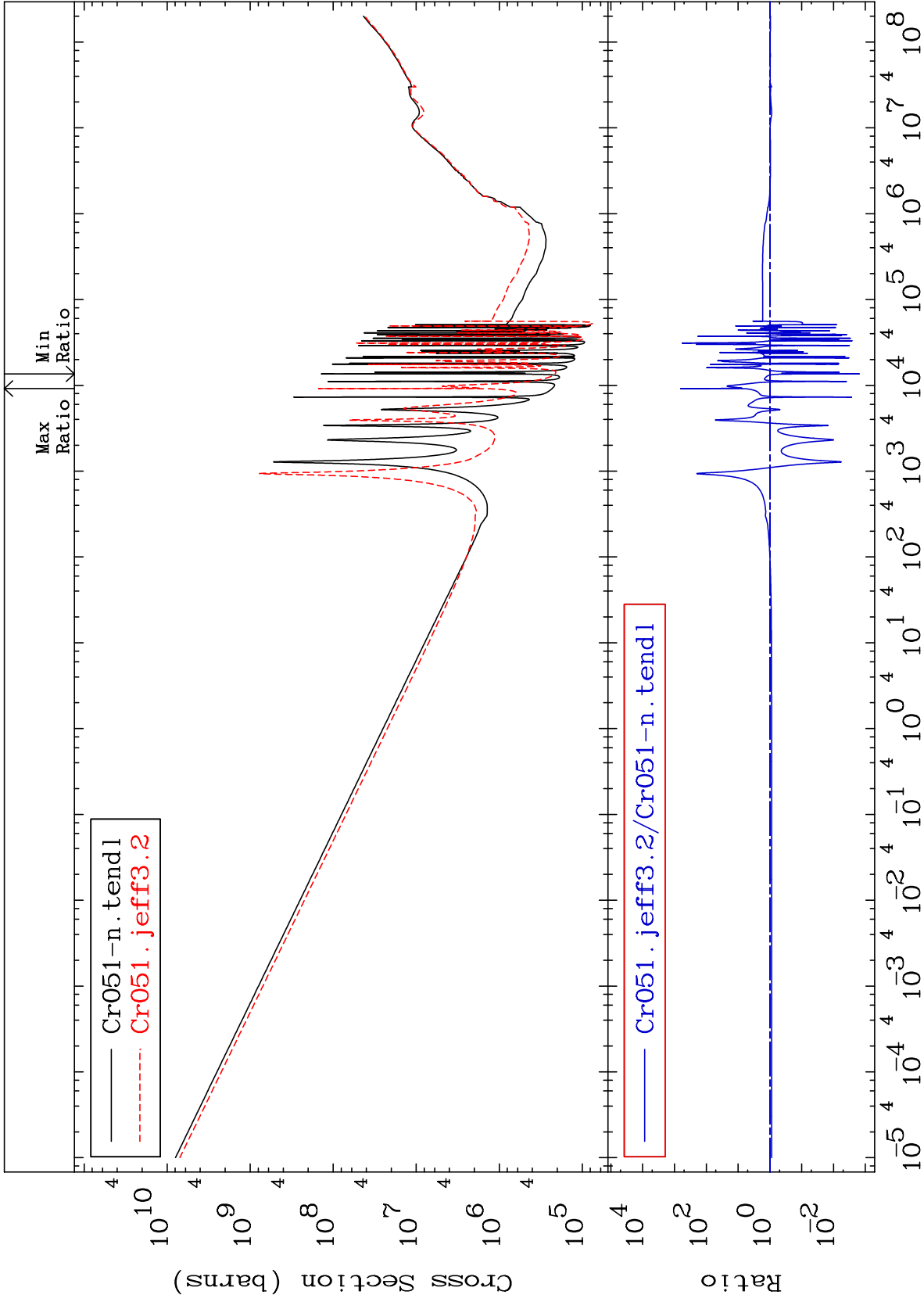
64

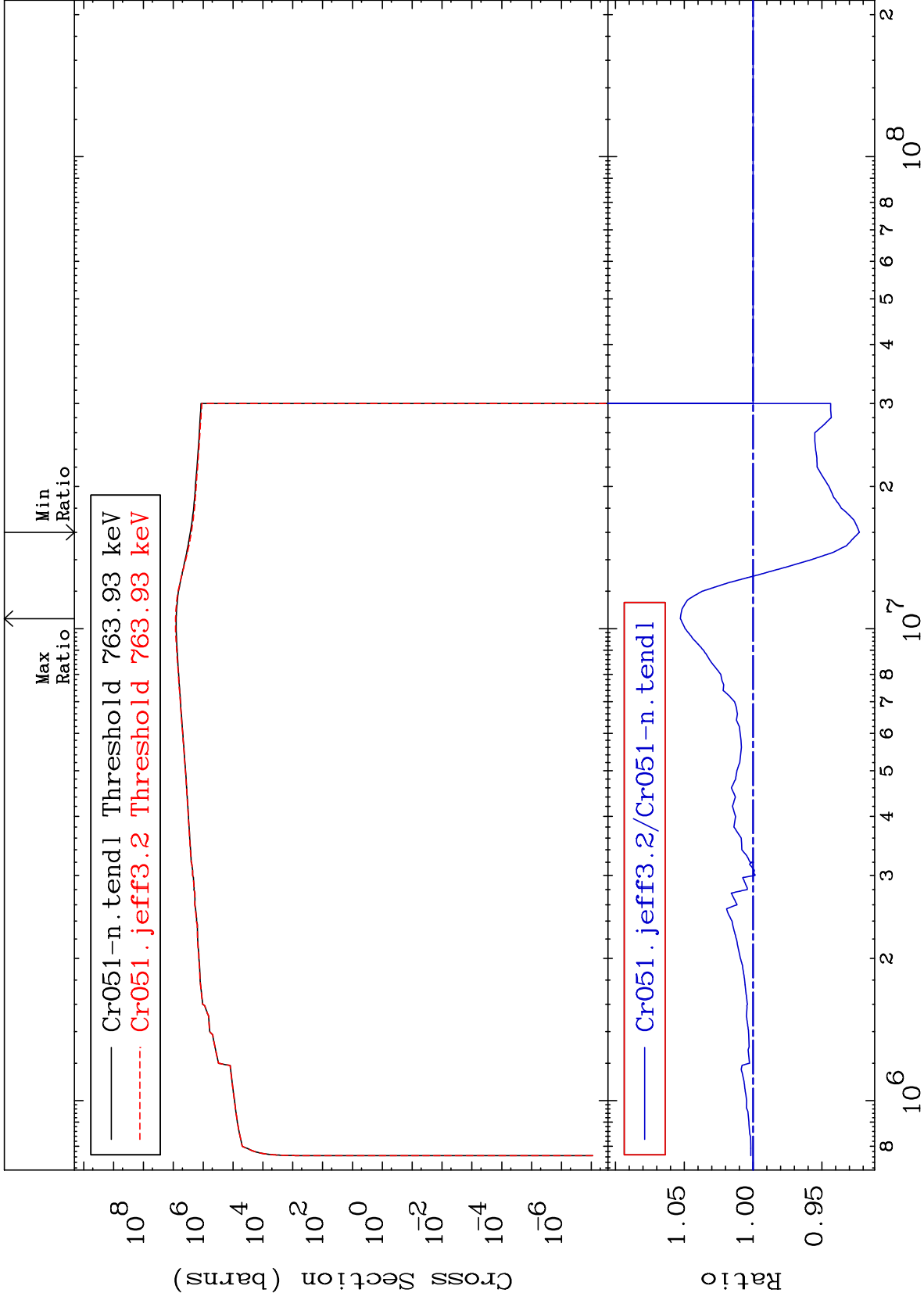
Incident Energy (eV)

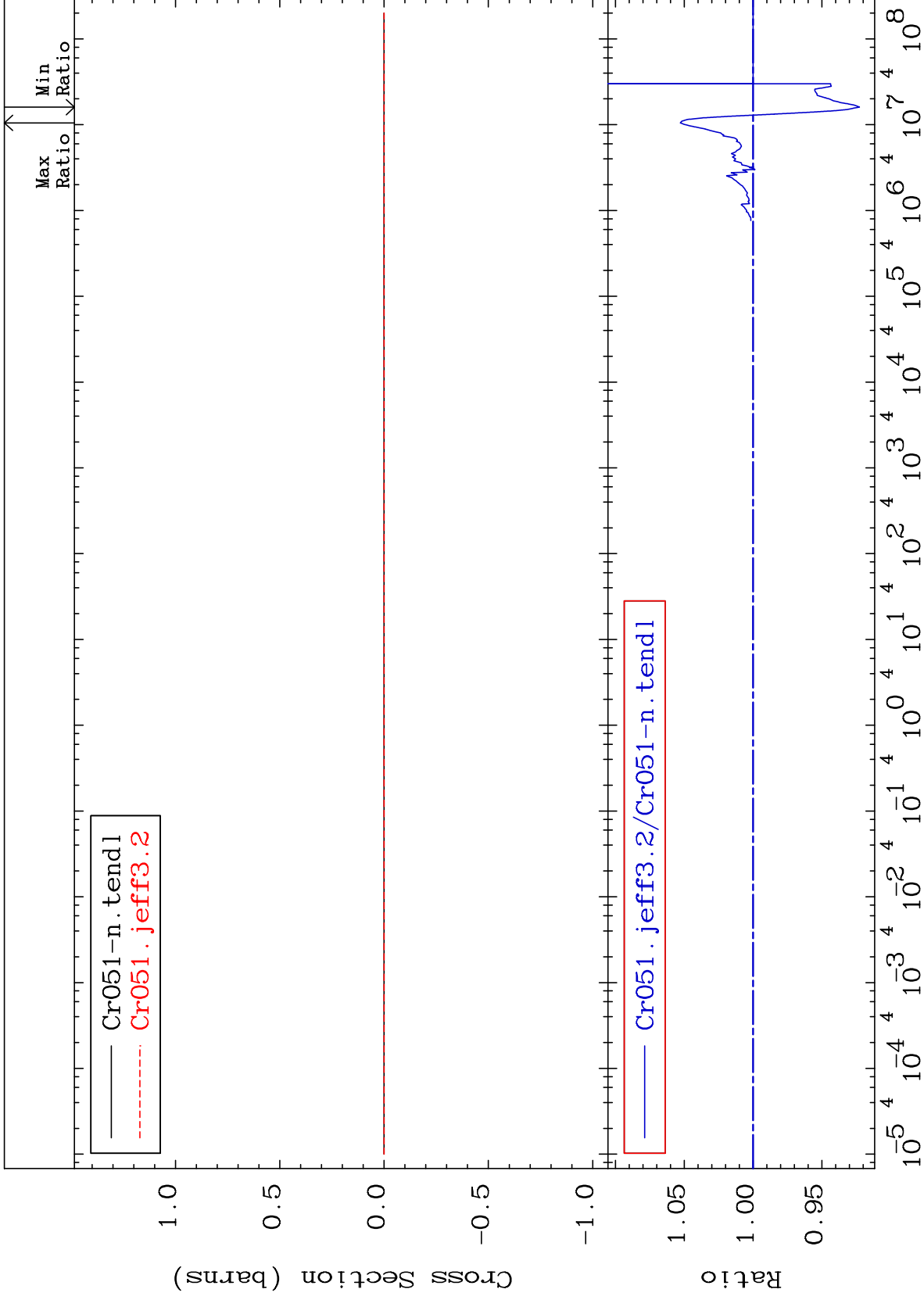
24-Cr-51







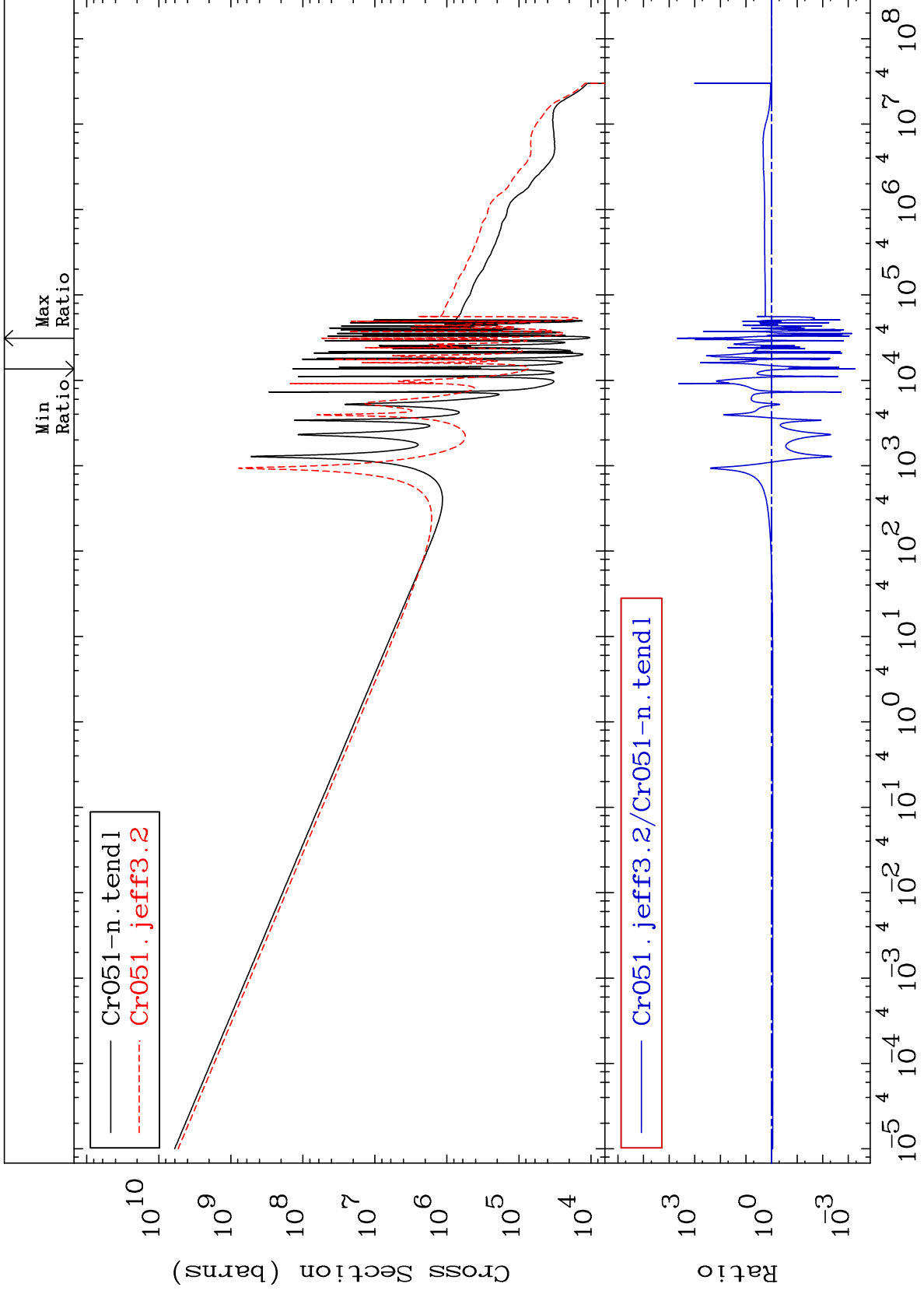




MAT 2428

Kerma capture (mt102)
Cross Section

24-Cr-51
-99.95 To 9999. %



70

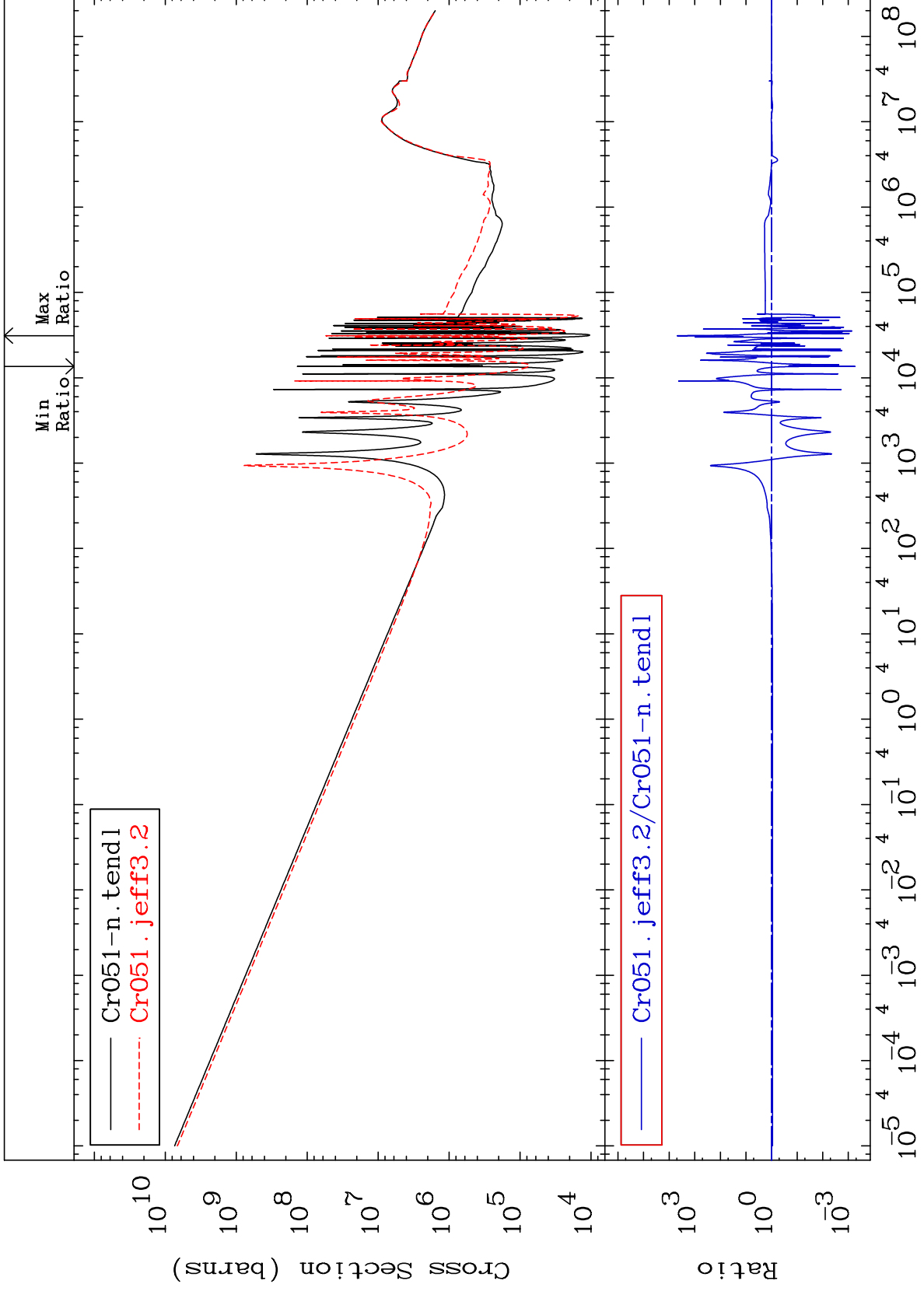
Incident Energy (eV)

24-Cr-51

MAT 2428

Total photon (eV-barns)
Cross Section

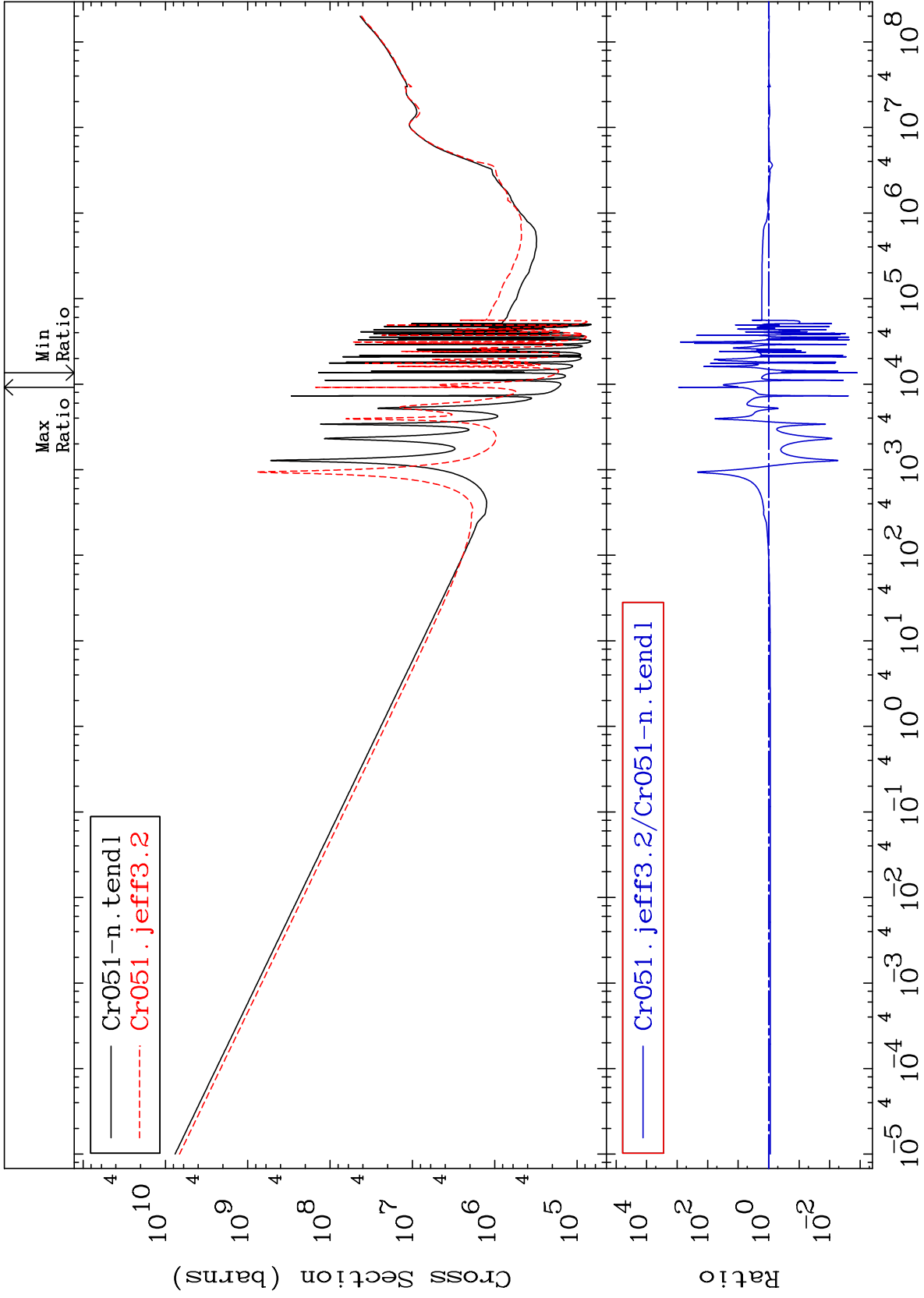
24-Cr-51
-99.95 To 9999. %

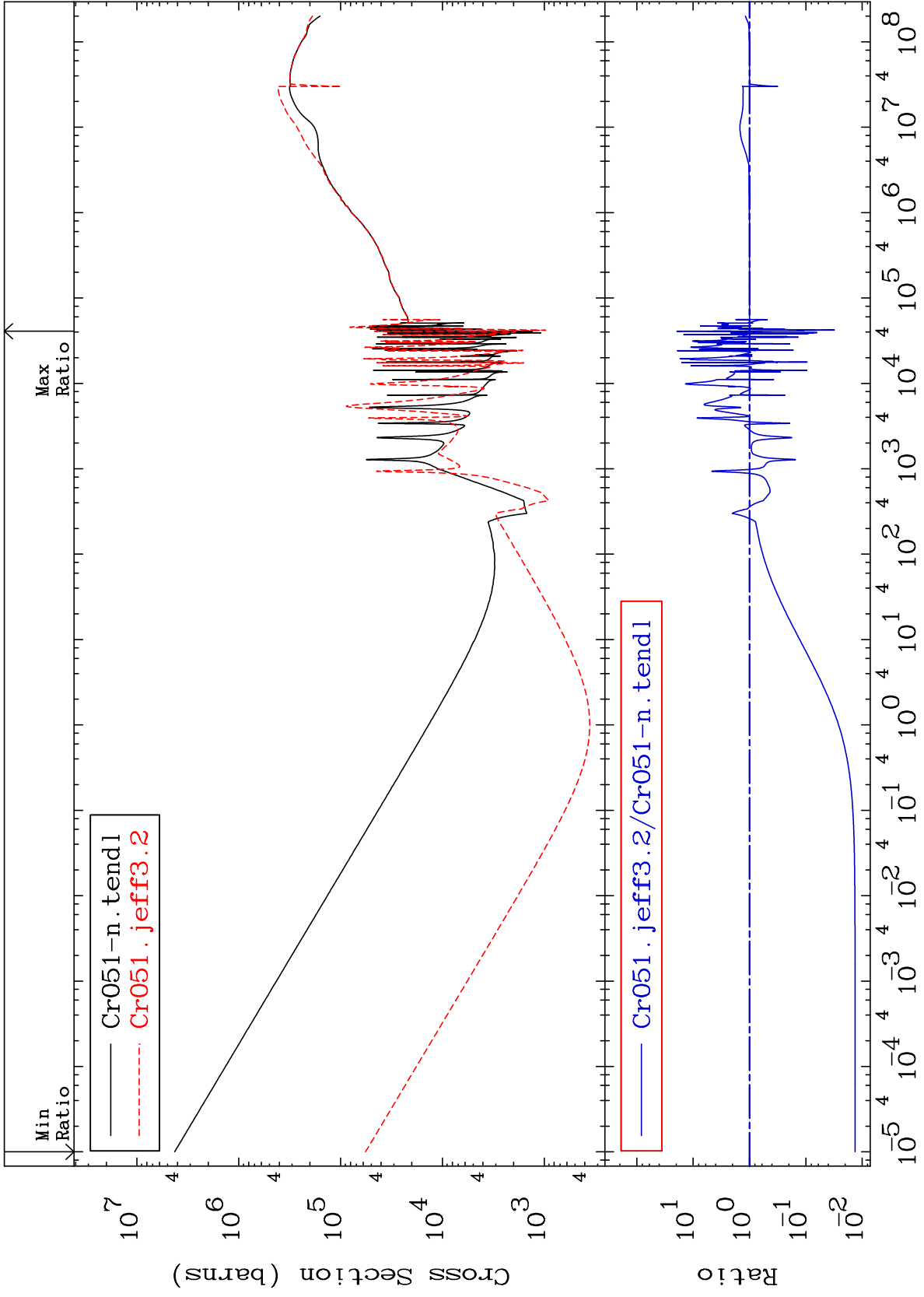


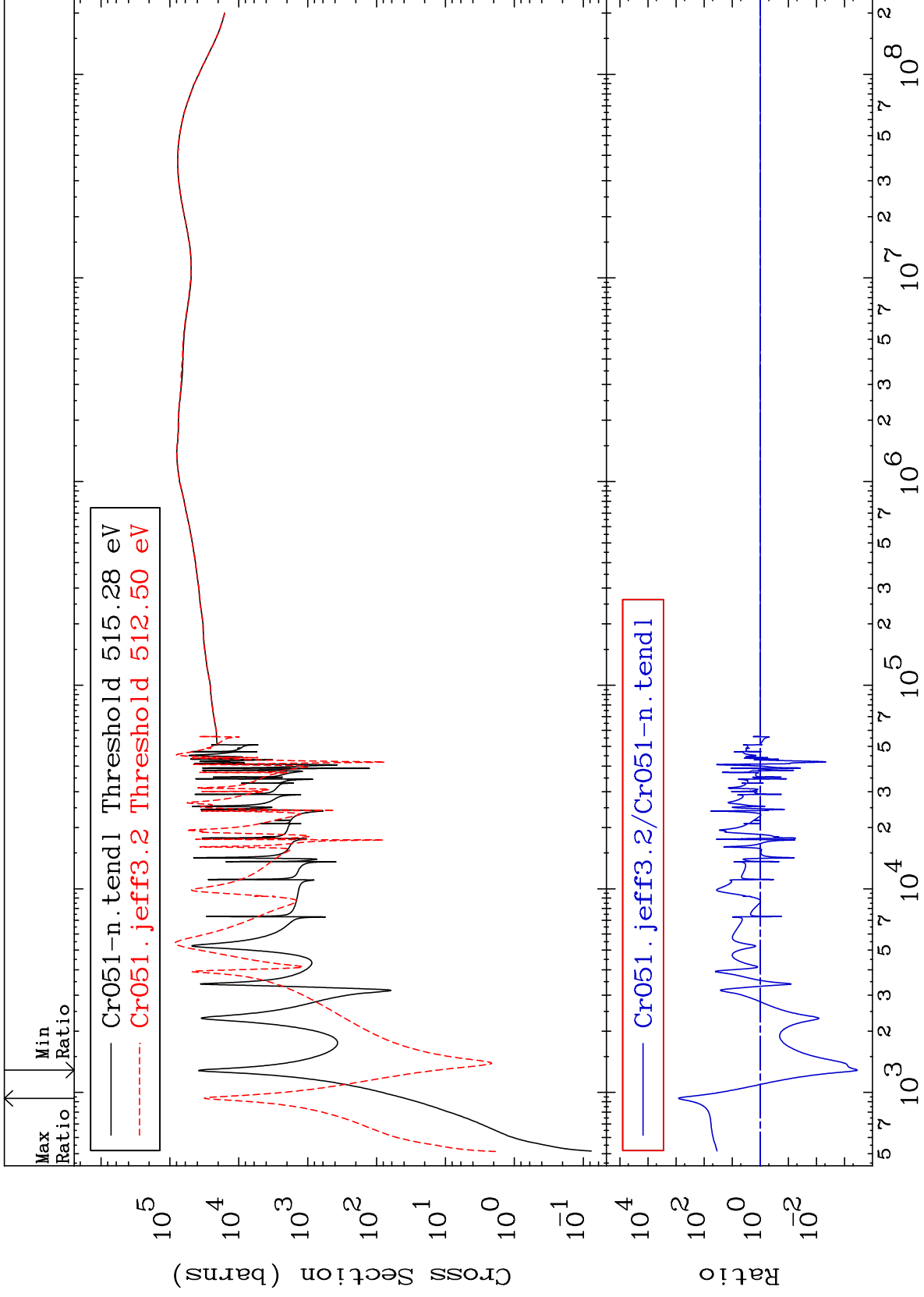
71

Incident Energy (eV)

24-Cr-51



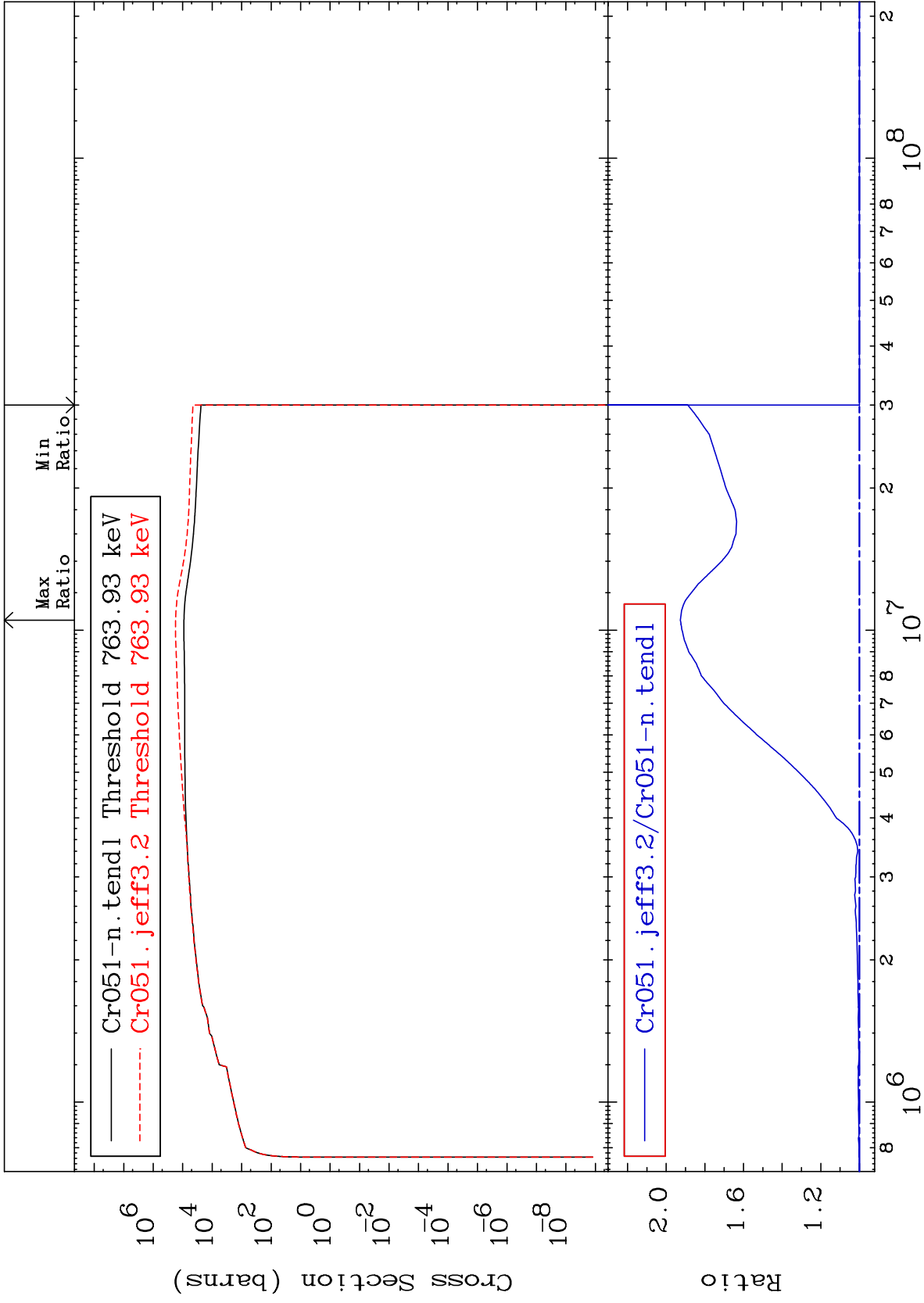




MAT 2428

Dpa inelastic (mt51-91)
Cross Section

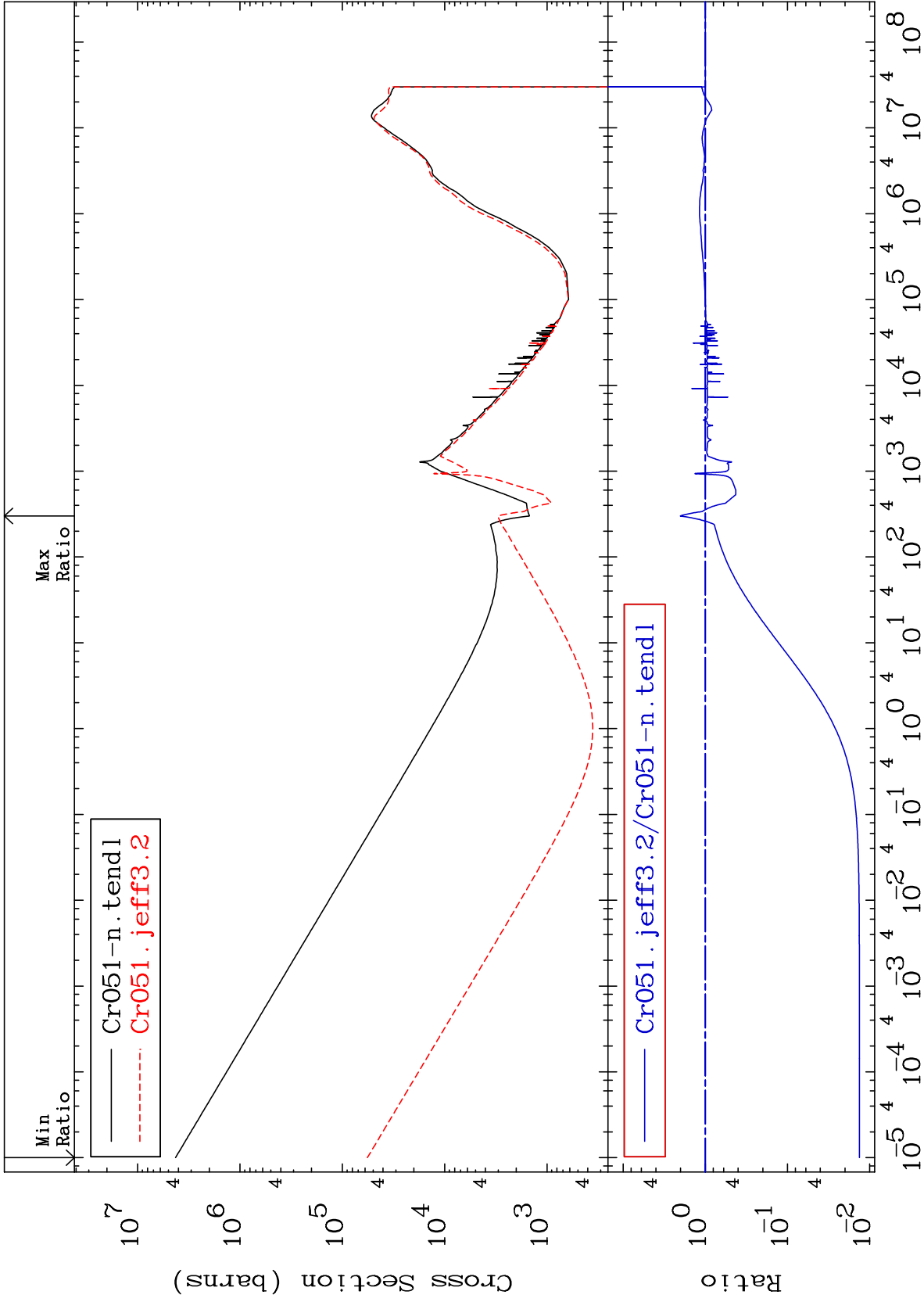
24-Cr-51
0.000 To 92.68 %

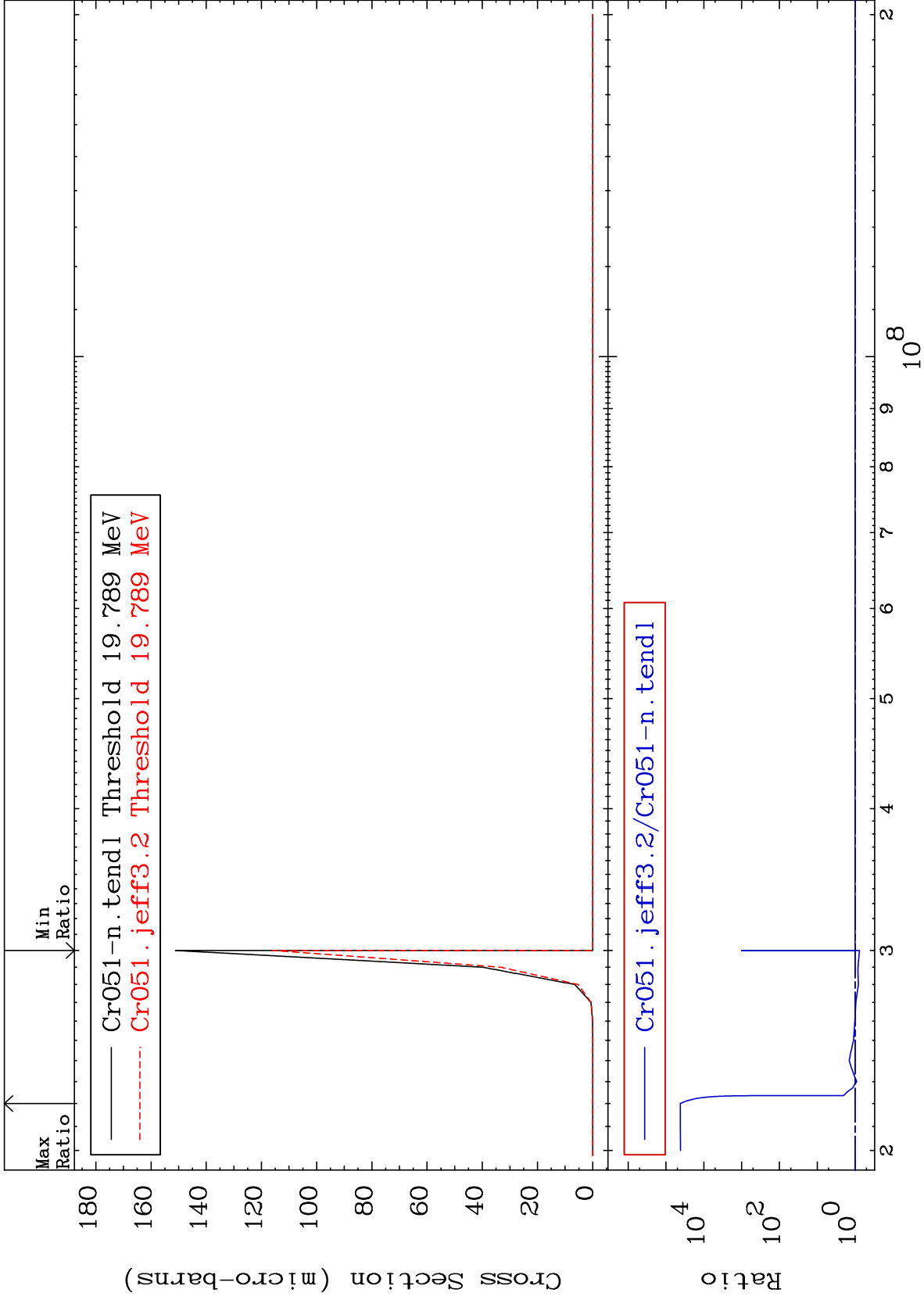


75

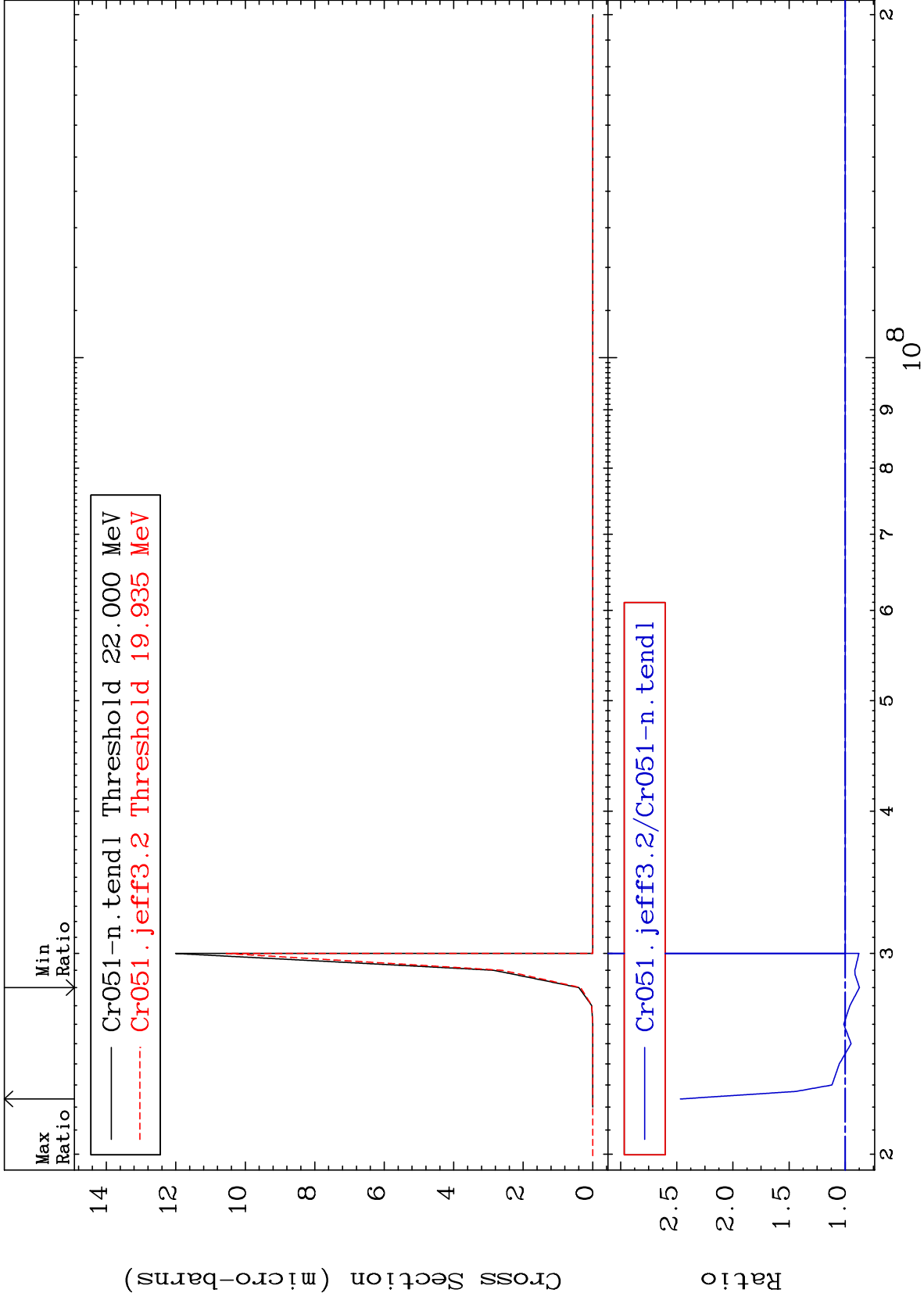
Incident Energy (eV)

24-Cr-51

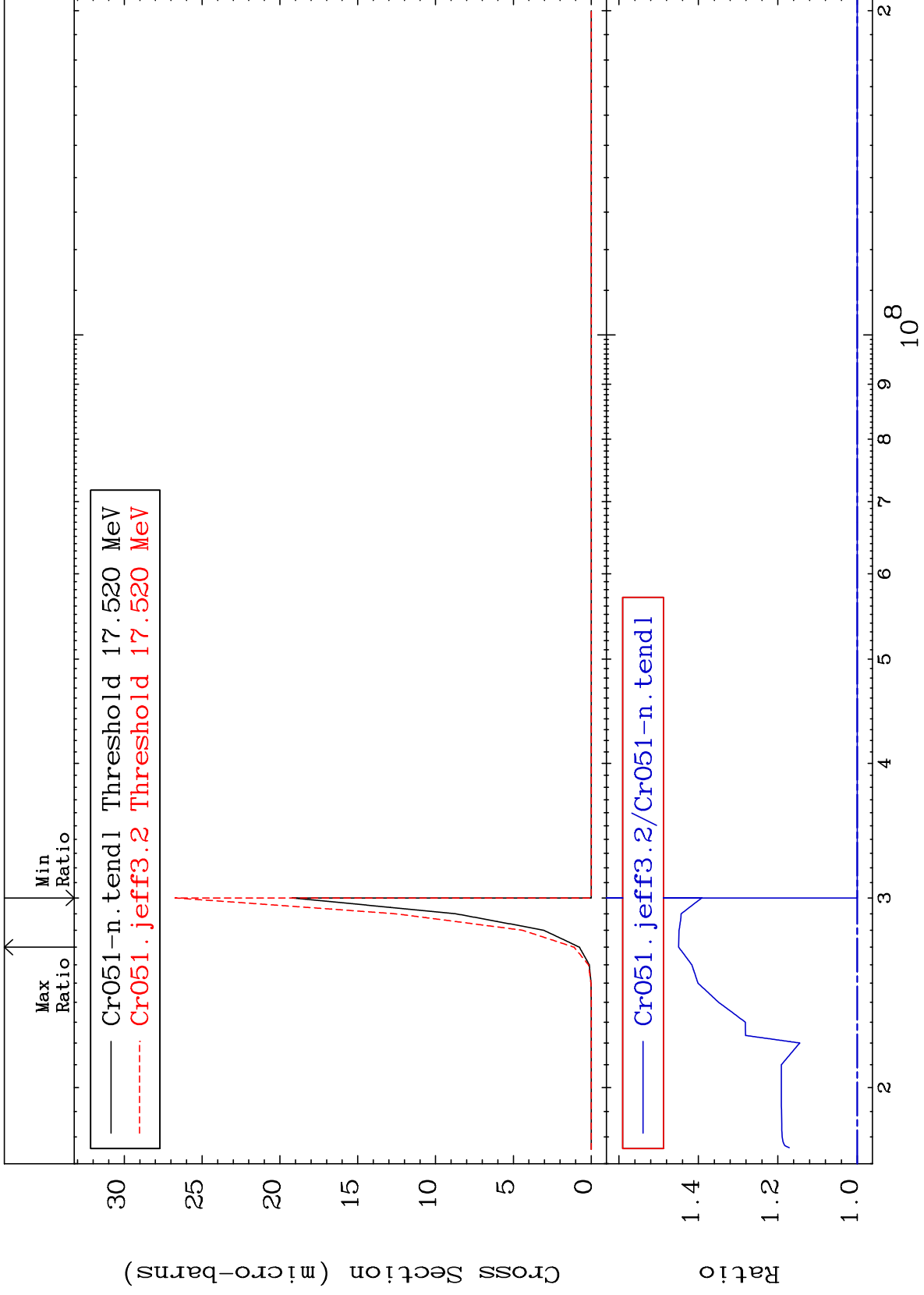




Radionuclide Production Cross Section -12.63 To 146.8 %



Radionuclide Production Cross Section 0.000 To 44.97 %

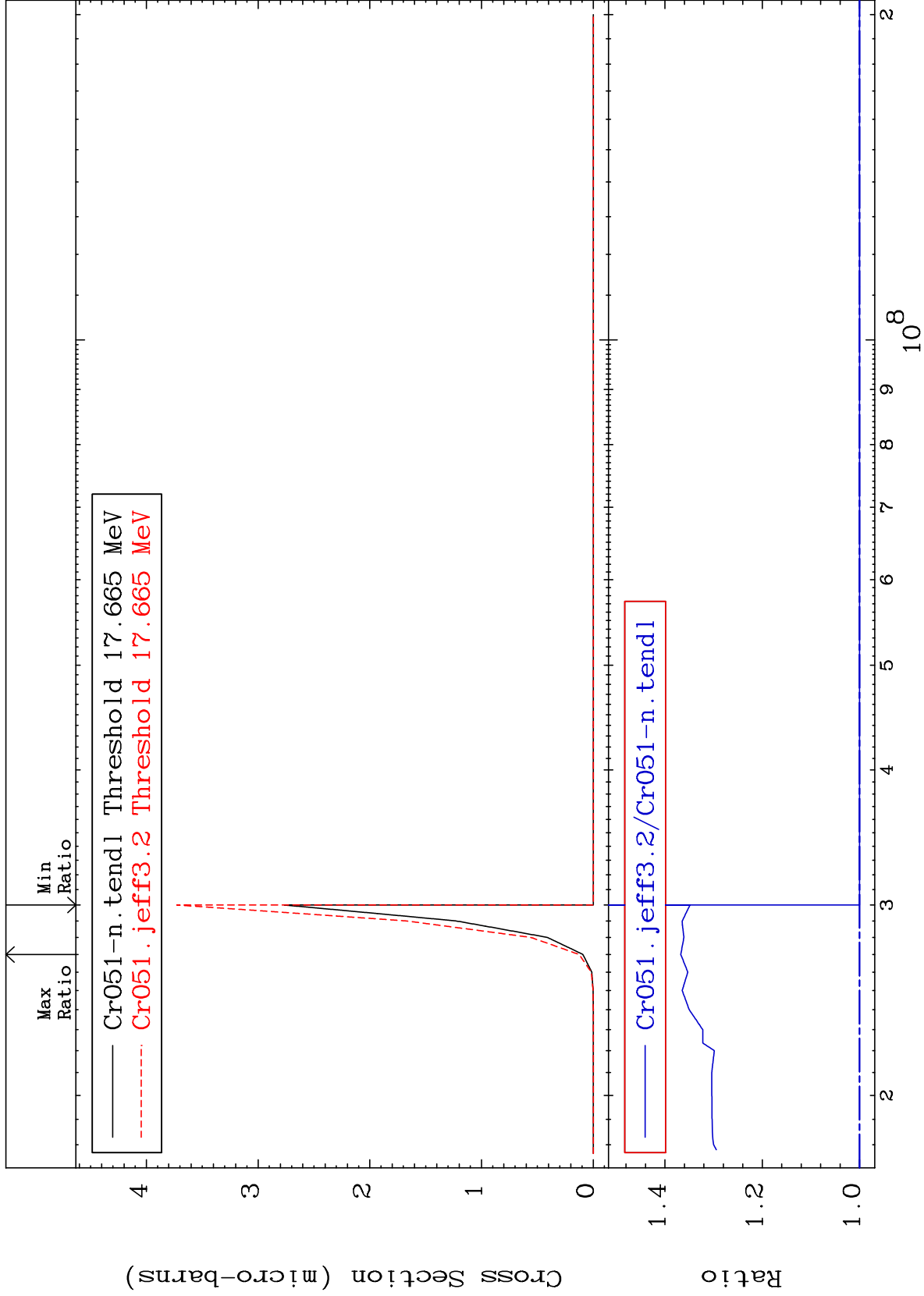


MAT 2428

(n, d) α :21-Sc-46m2

²⁴Cr-51

Radionuclide Production Cross Section 0.000 To 36.74 %



80

Incident Energy (eV)

²⁴Cr-51