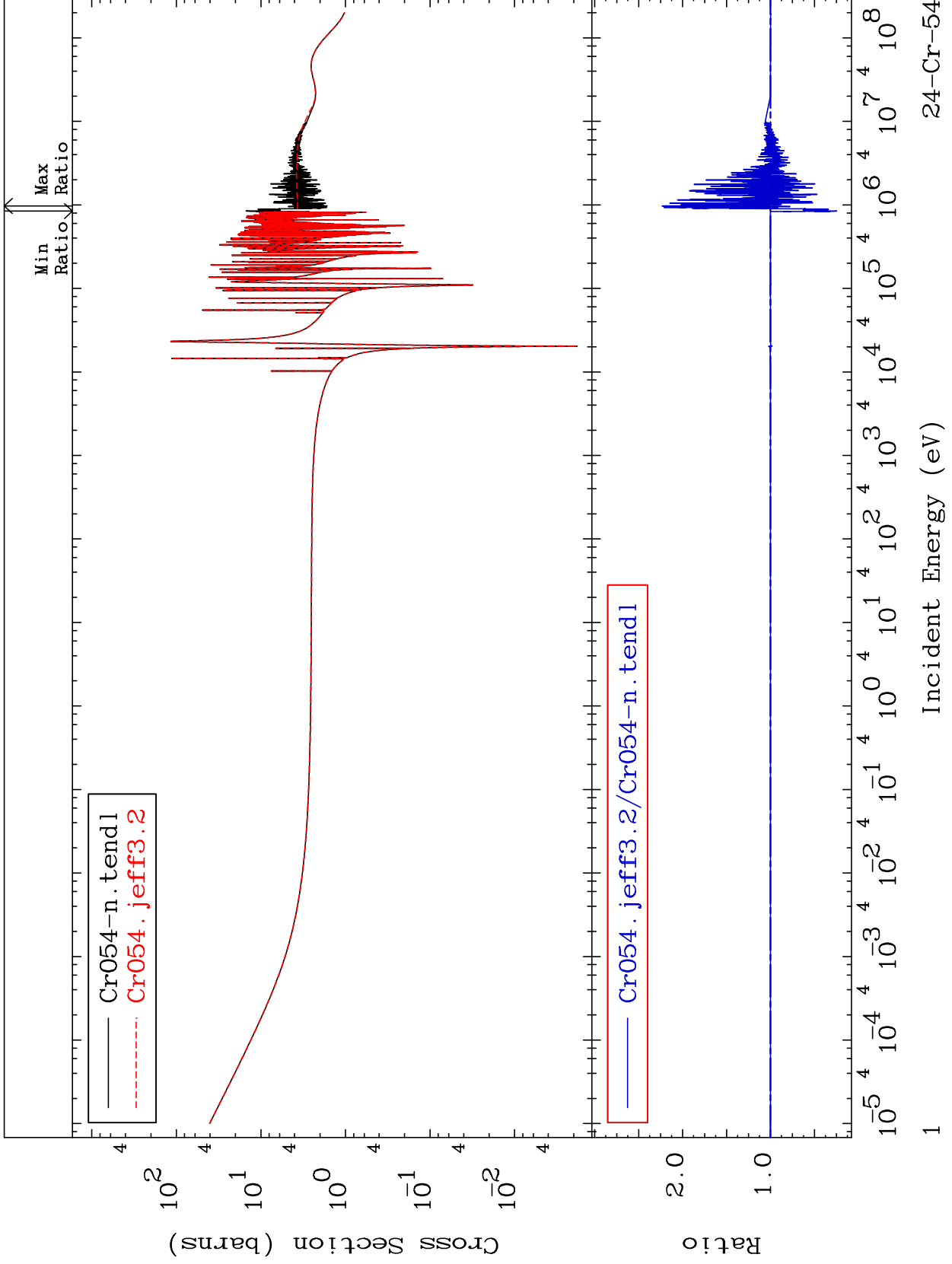


MAT 2437

Total
Cross Section

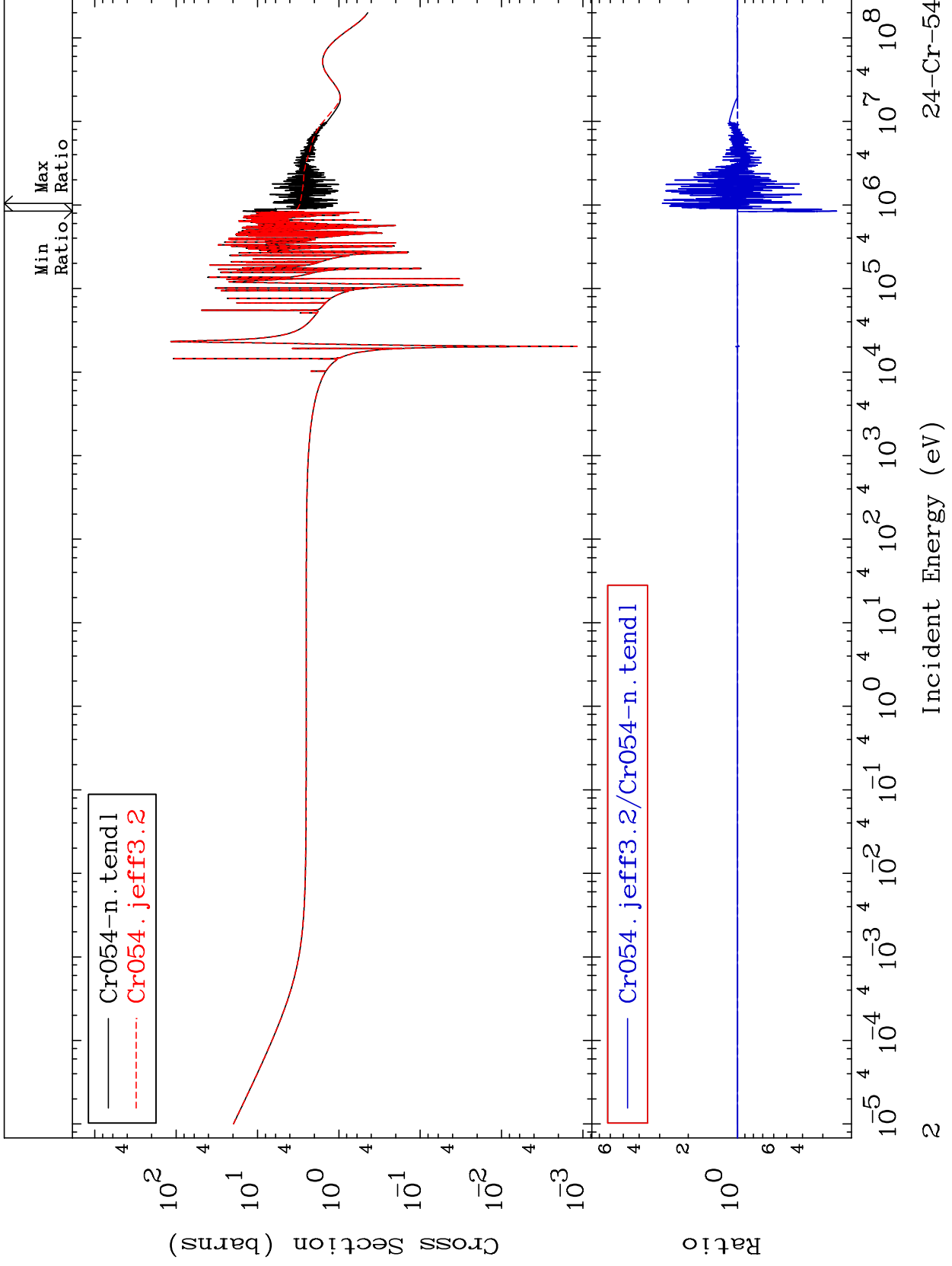
24-Cr-54
-75.26 To 123.1 %



MAT 2437

Elastic
Cross Section

24-Cr-54
-75.27 To 188.6 %

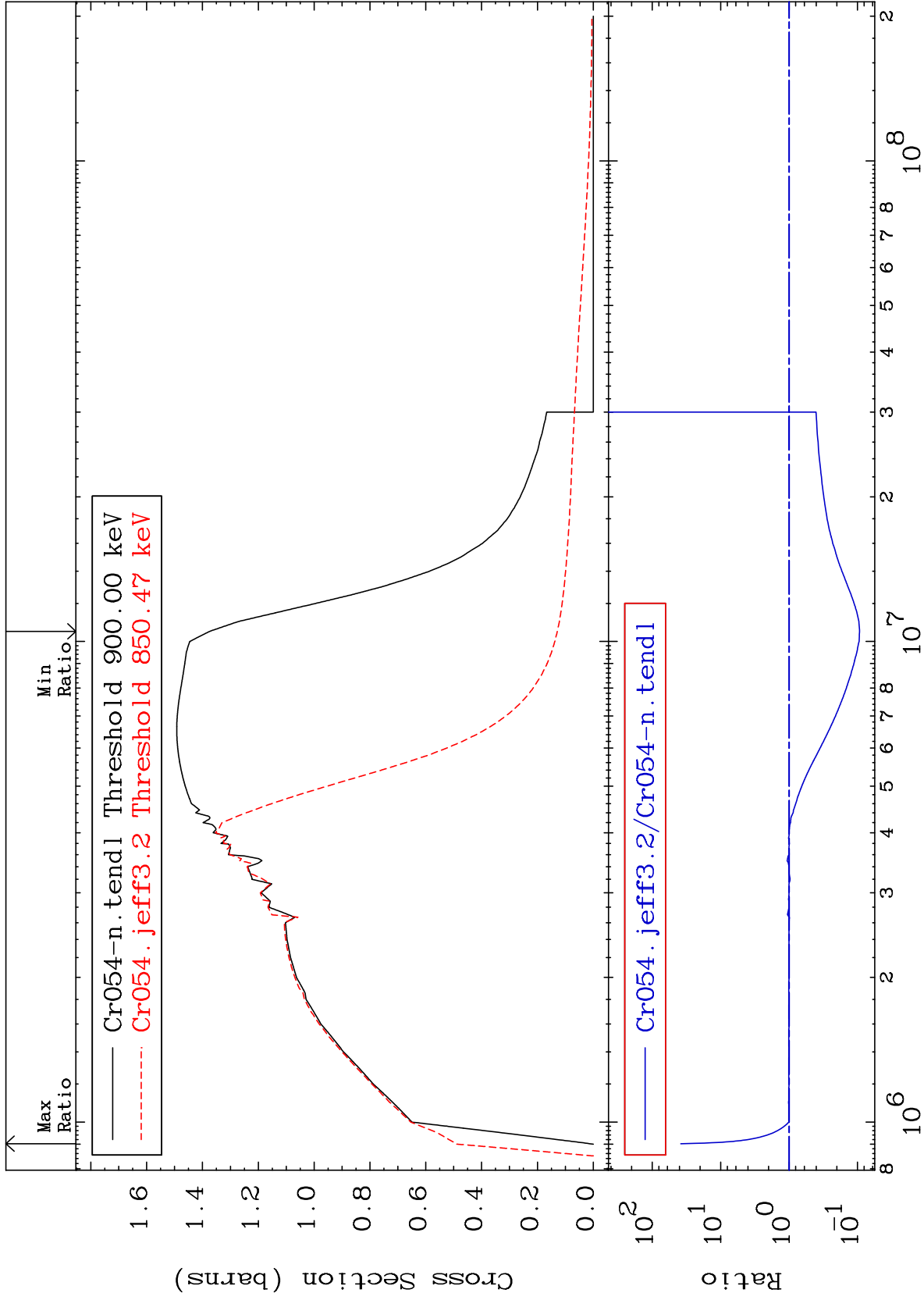


24-Cr-54

MAT 2437

Inelastic
Cross Section

²⁴Cr-54
-90.65 To 3719. %



3

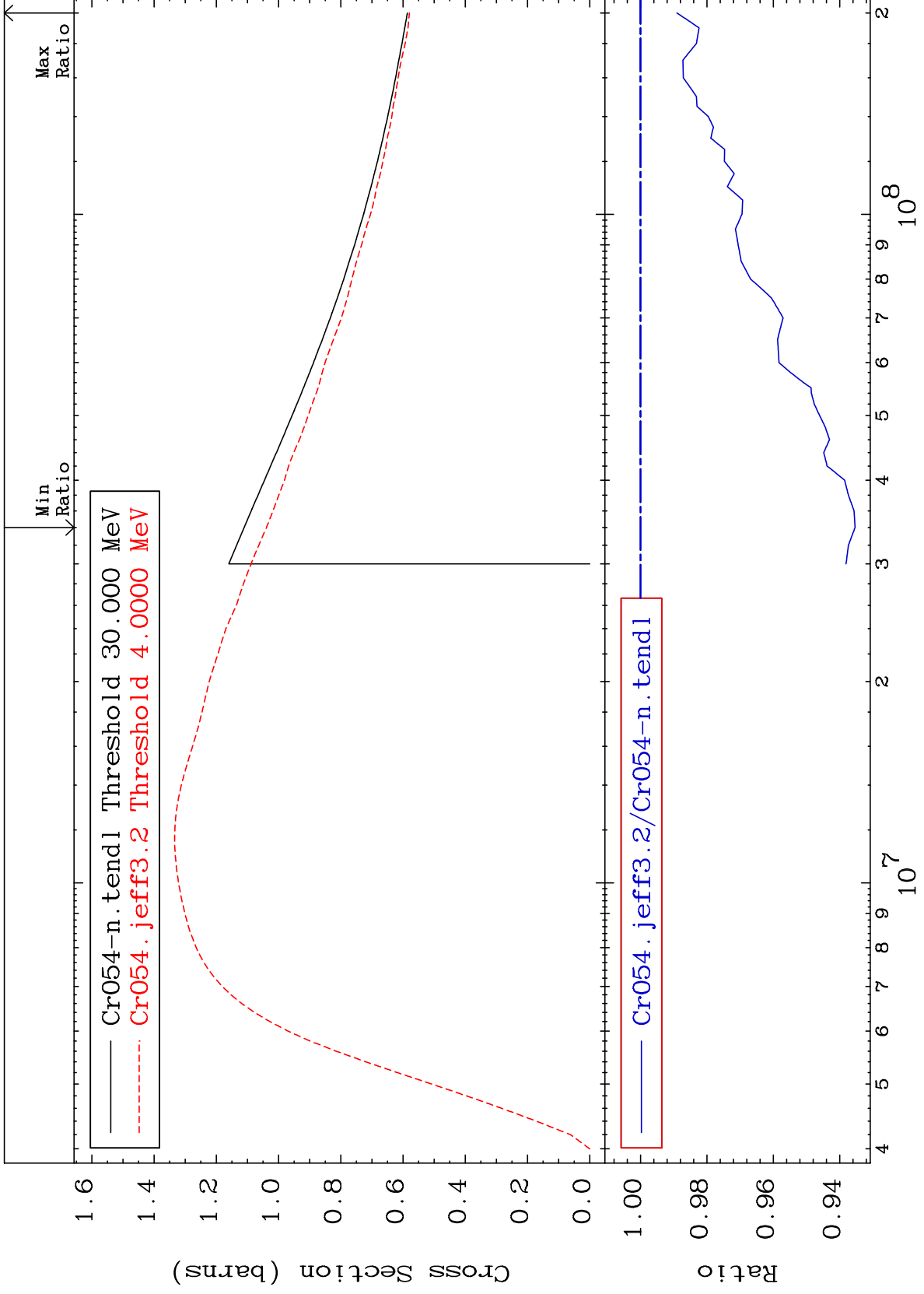
Incident Energy (eV)

²⁴Cr-54

MAT 2437

(n, remainder)
Cross Section

$^{24}\text{Cr-54}$
-6.464 To -1.096%



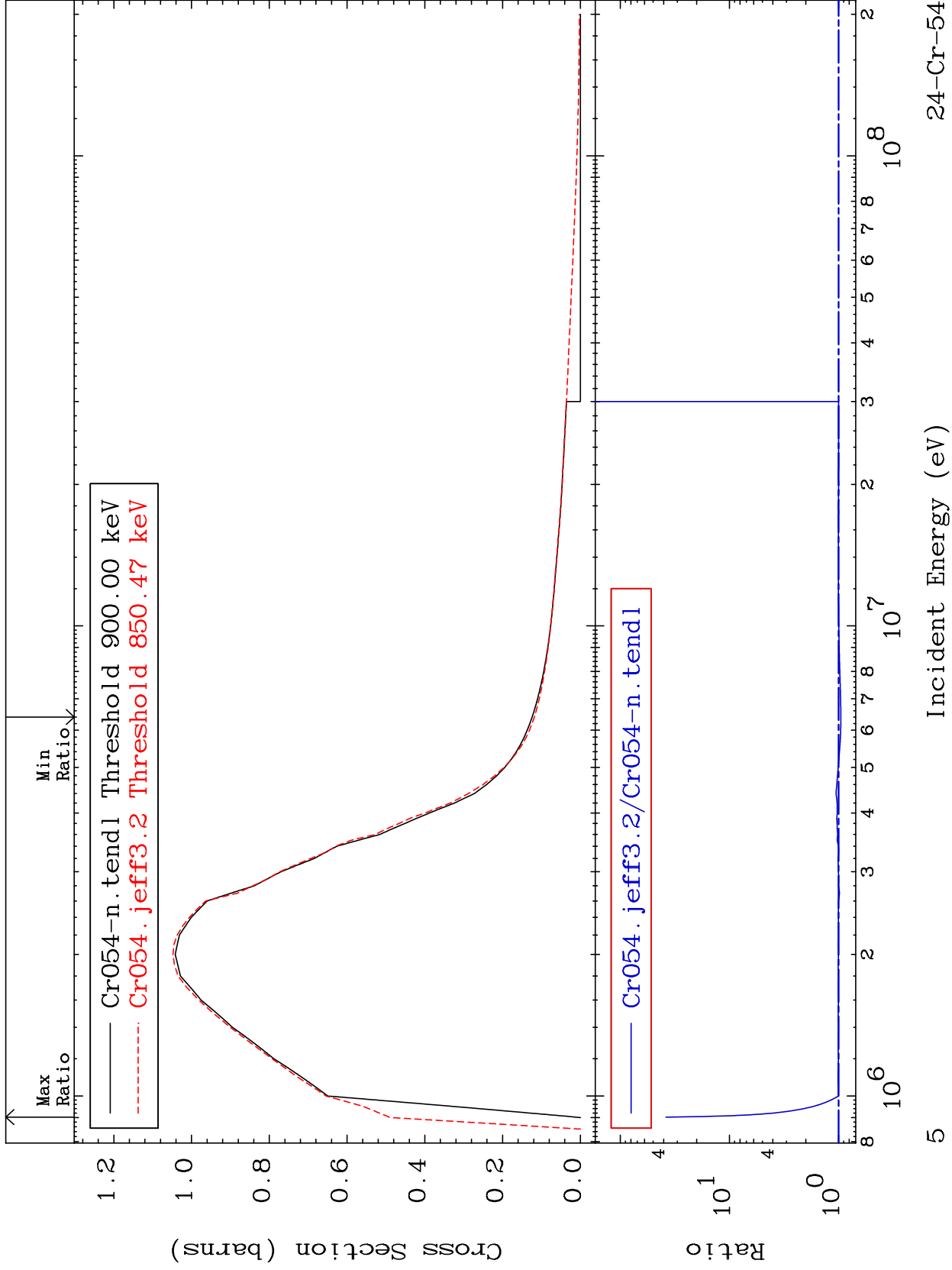
MAT 2437

834.9 keV (n,n') Level

²⁴Cr-54

-4.532 To 3719. %

Cross Section



Incident Energy (eV)

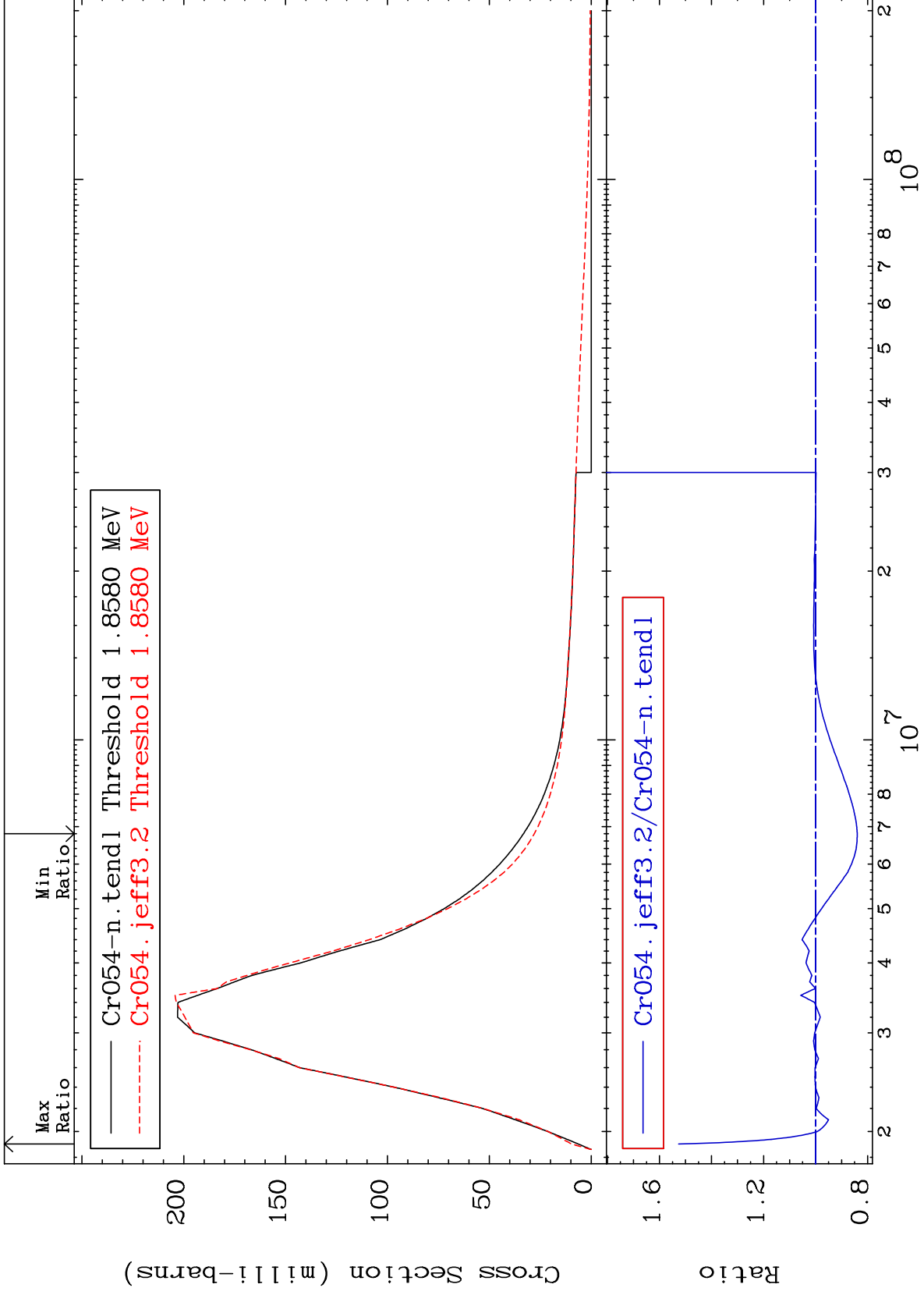
²⁴Cr-54

5

MAT 2437

1.824 MeV (n,n') Level
Cross Section

24-Cr-54
-16.00 To 52.64 %



6

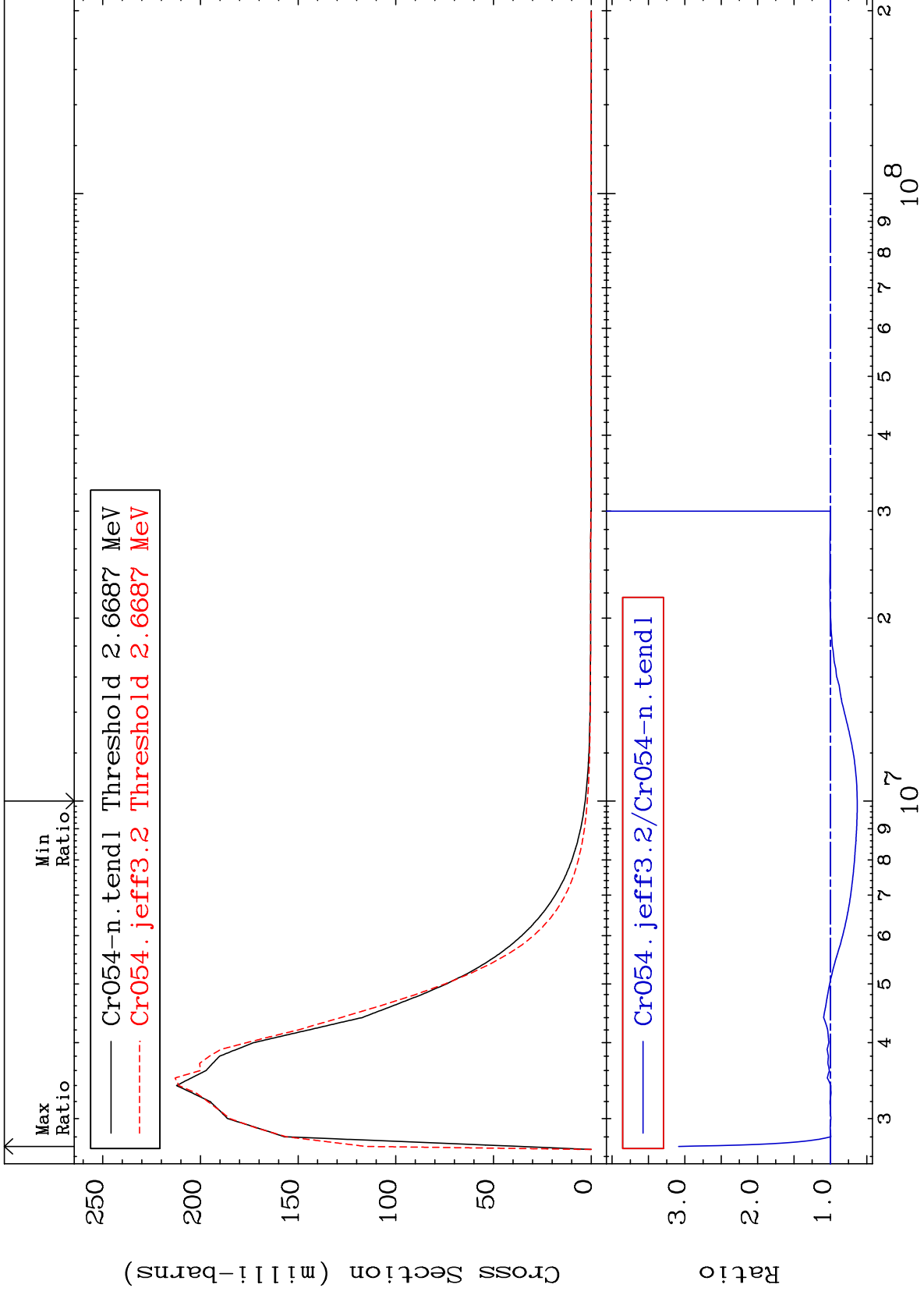
Incident Energy (eV)

24-Cr-54

MAT 2437

2.620 MeV (n,n') Level
Cross Section

24-Cr-54
-36.96 To 208.5 %



7

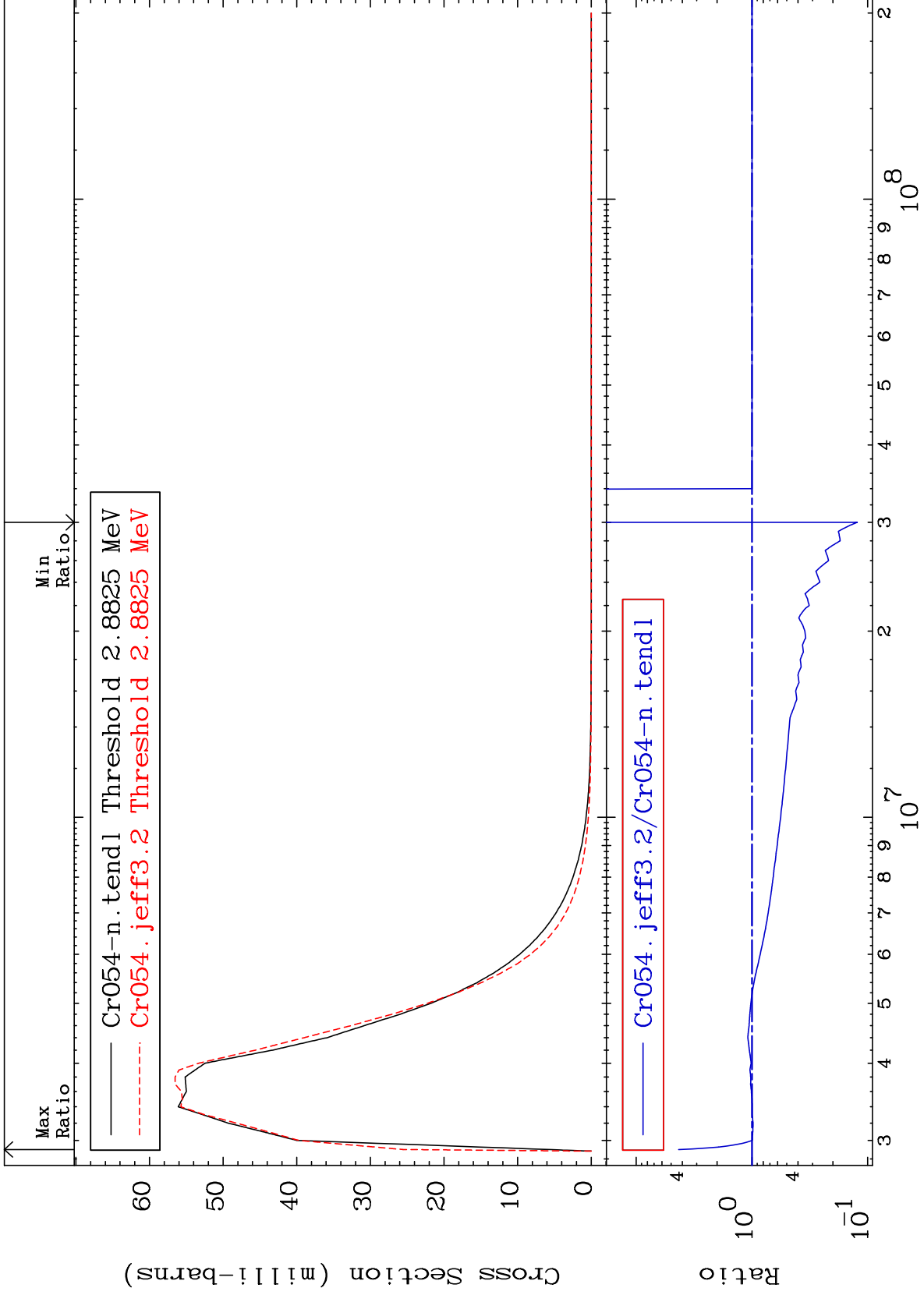
Incident Energy (eV)

24-Cr-54

MAT 2437

2.830 MeV (n,n') Level
Cross Section

24-Cr-54
-87.69 To 329.8 %



8

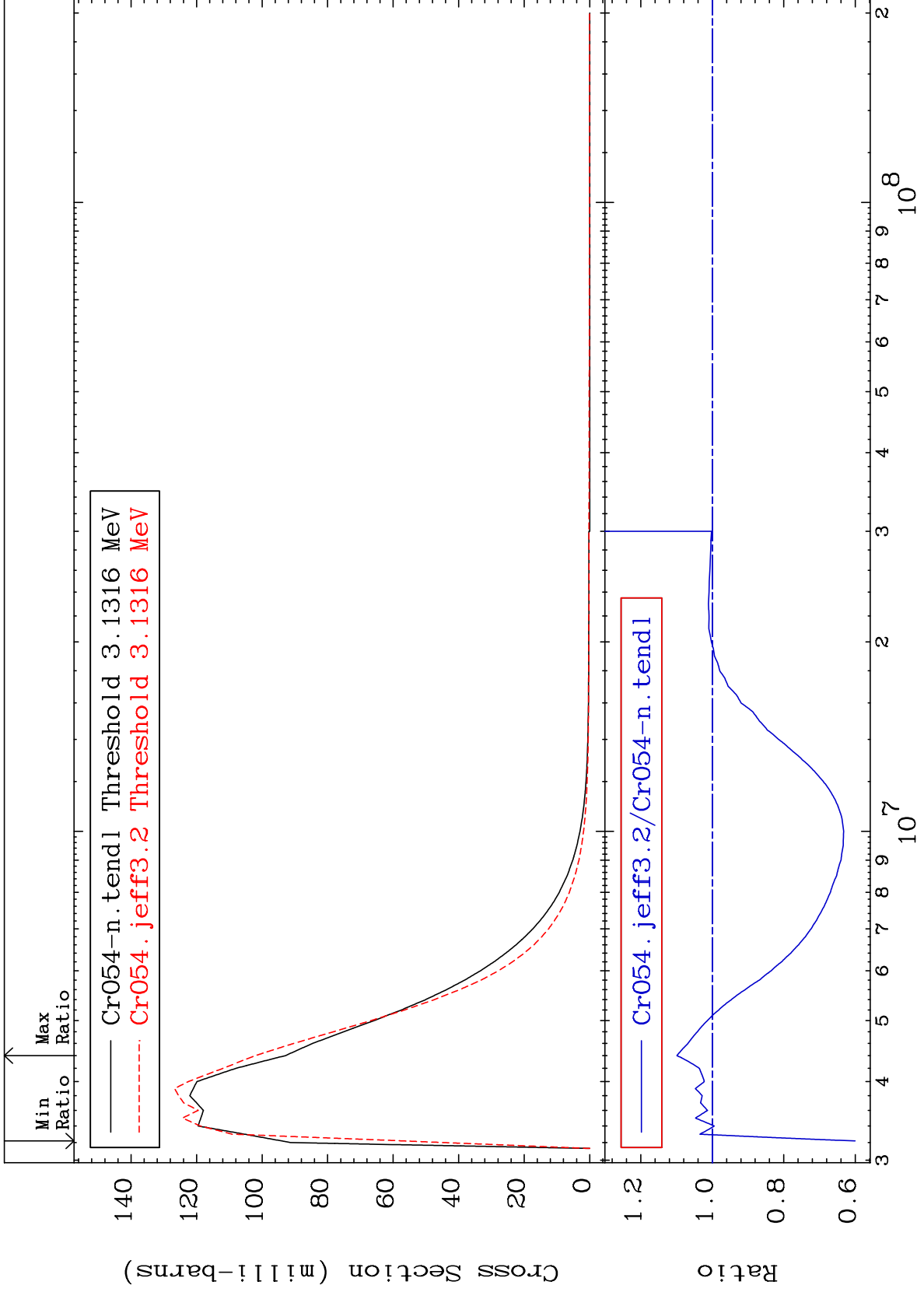
Incident Energy (eV)

24-Cr-54

MAT 2437

3.074 MeV (n,n') Level
Cross Section

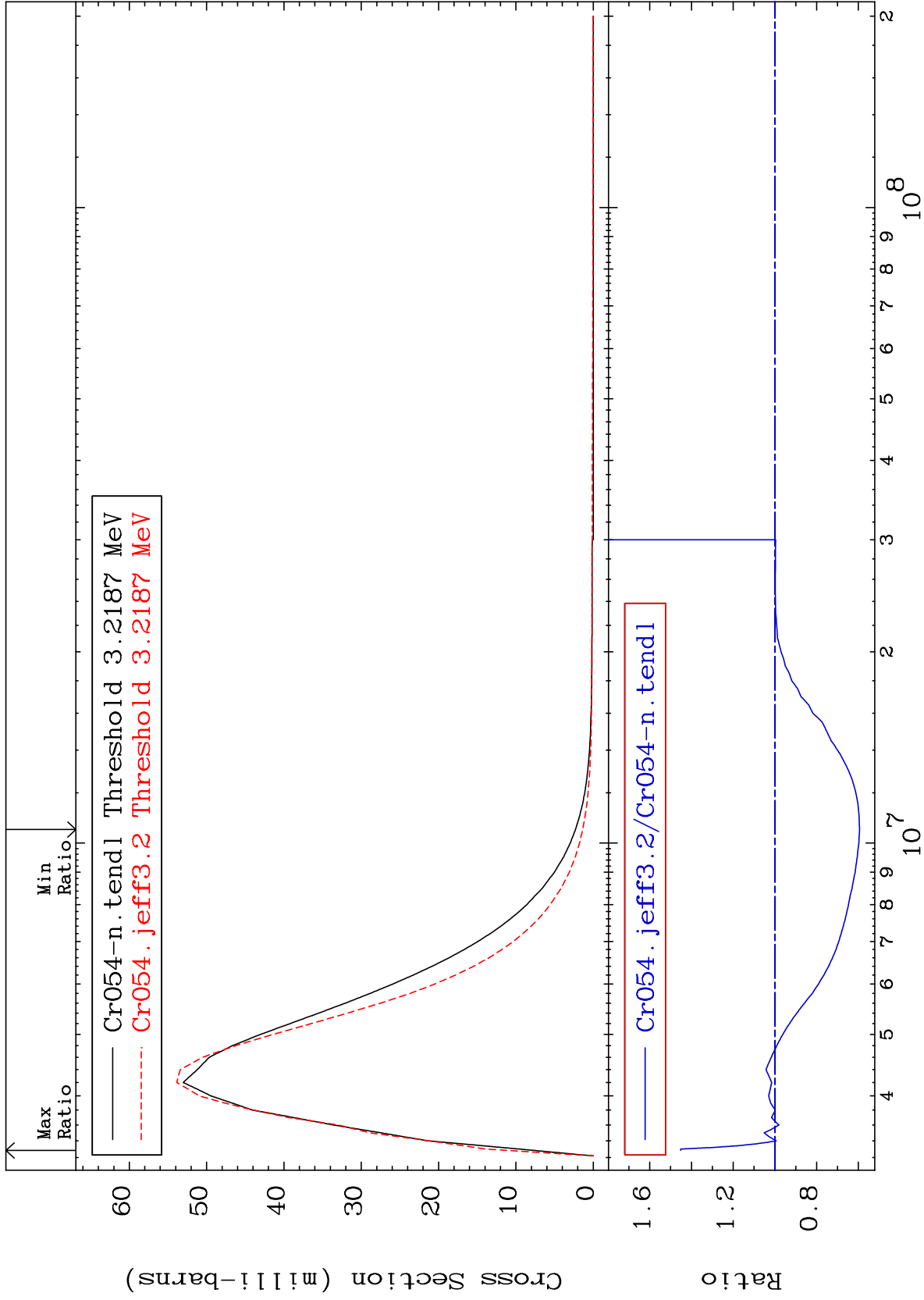
24-Cr-54
-39.95 To 9.896 %



MAT 2437

3.160 MeV (n,n') Level
Cross Section

24-Cr-54
-40.56 To 45.13 %



10

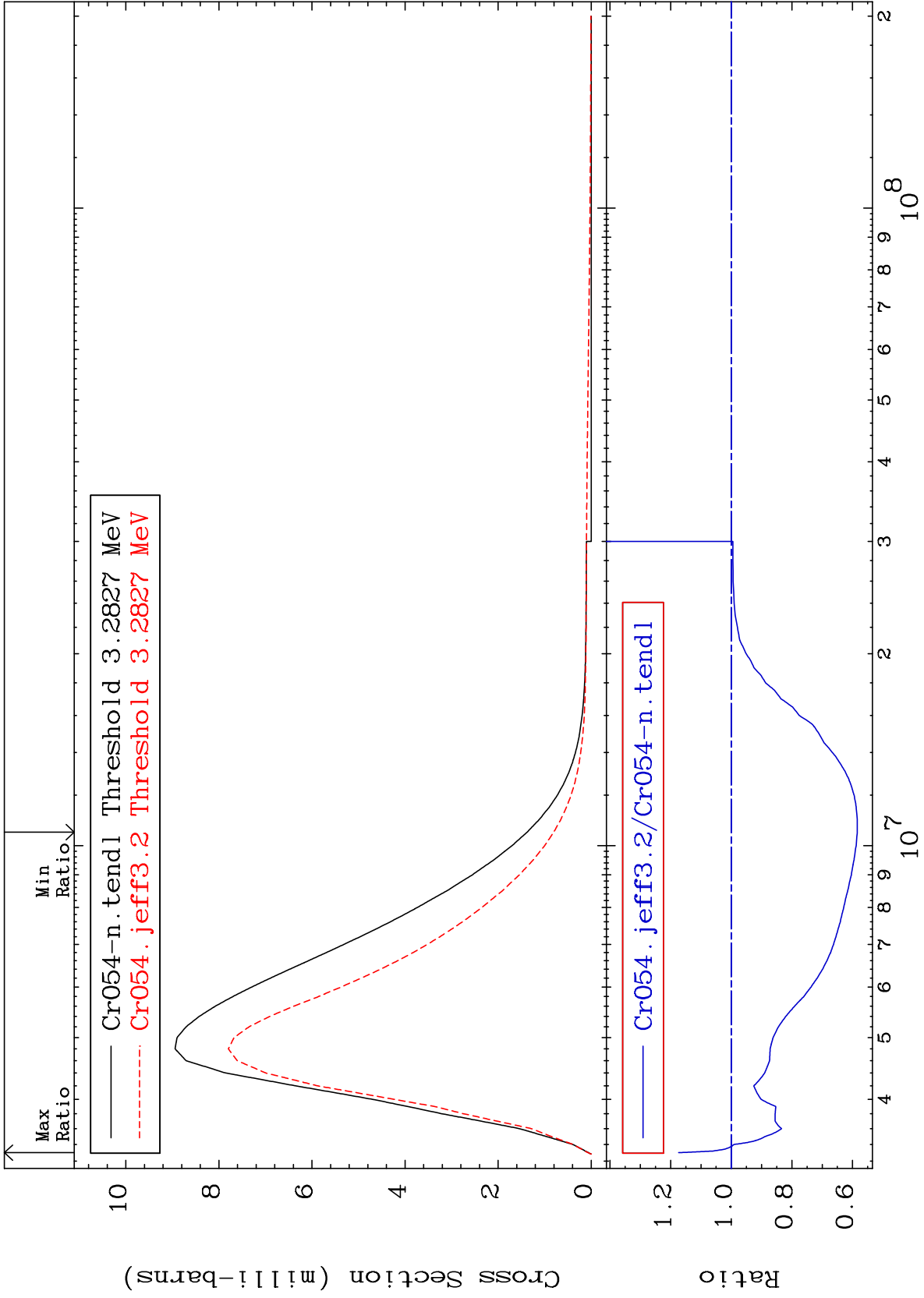
Incident Energy (eV)

24-Cr-54

MAT 2437

3.222 MeV (n,n') Level
Cross Section

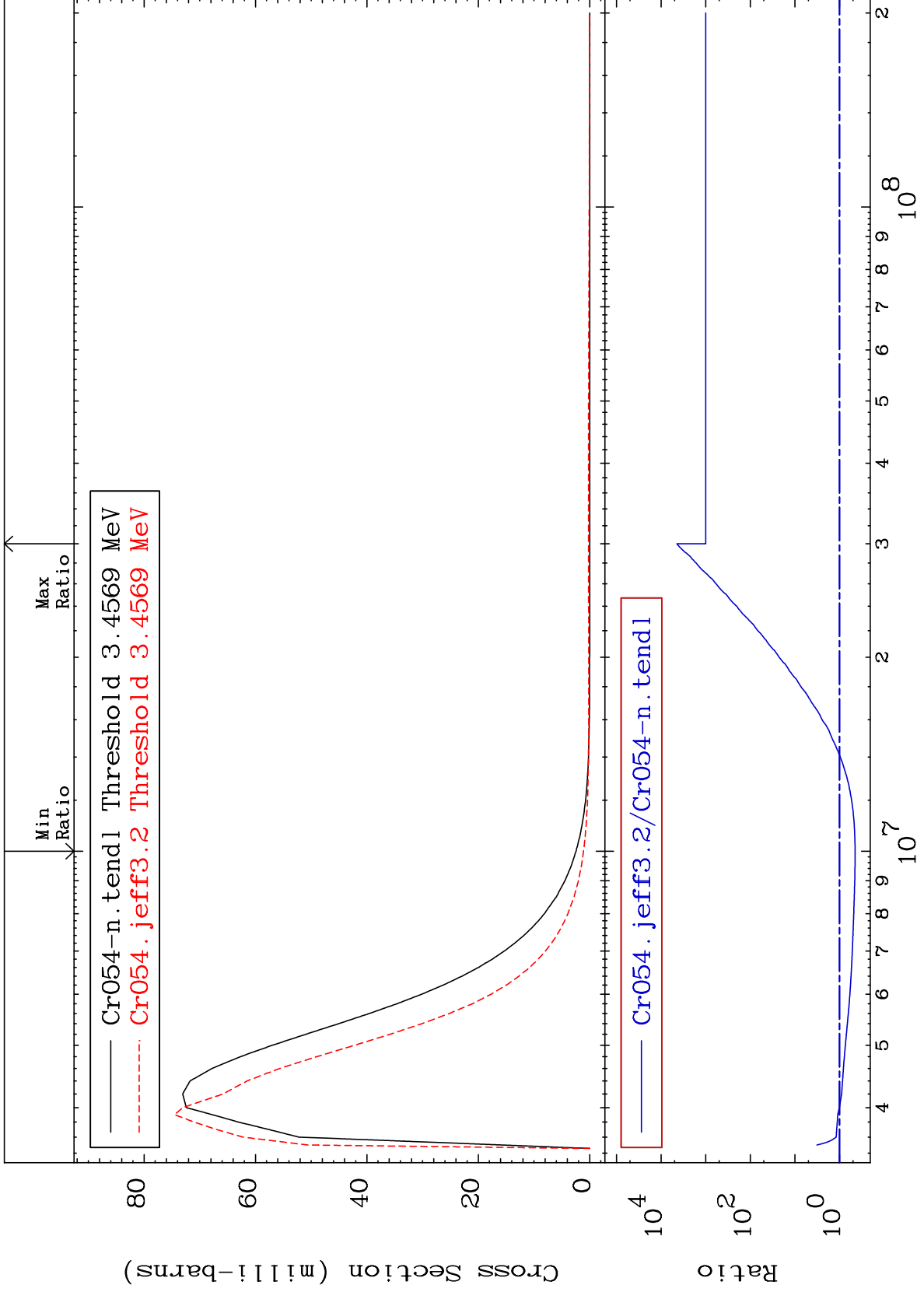
24-Cr-54
-41.56 To 17.36 %



MAT 2437

3.393 MeV (n,n') Level
Cross Section

24-Cr-54
-55.09 To 9999. %



12

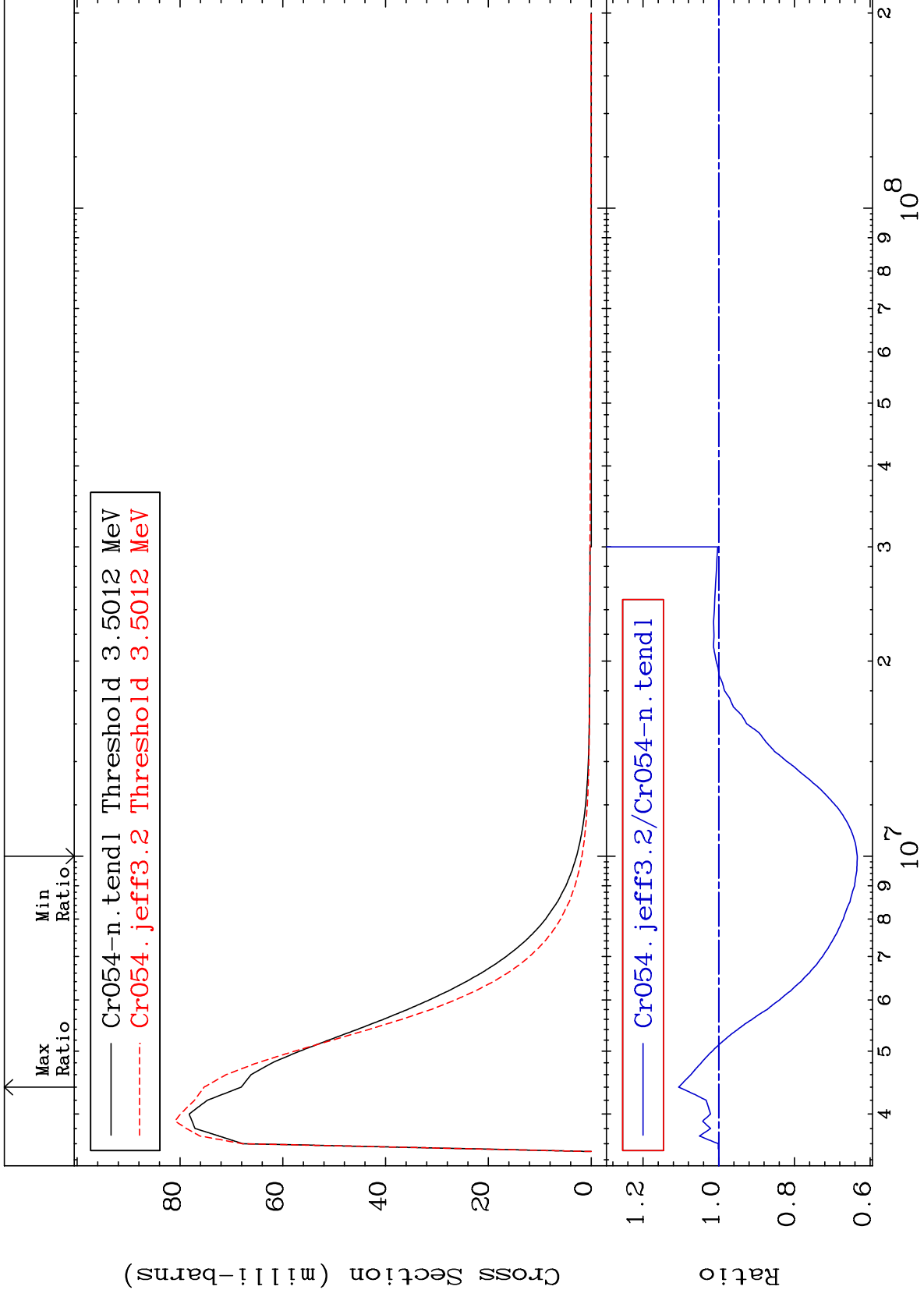
Incident Energy (eV)

24-Cr-54

MAT 2437

3.437 MeV (n,n') Level
Cross Section

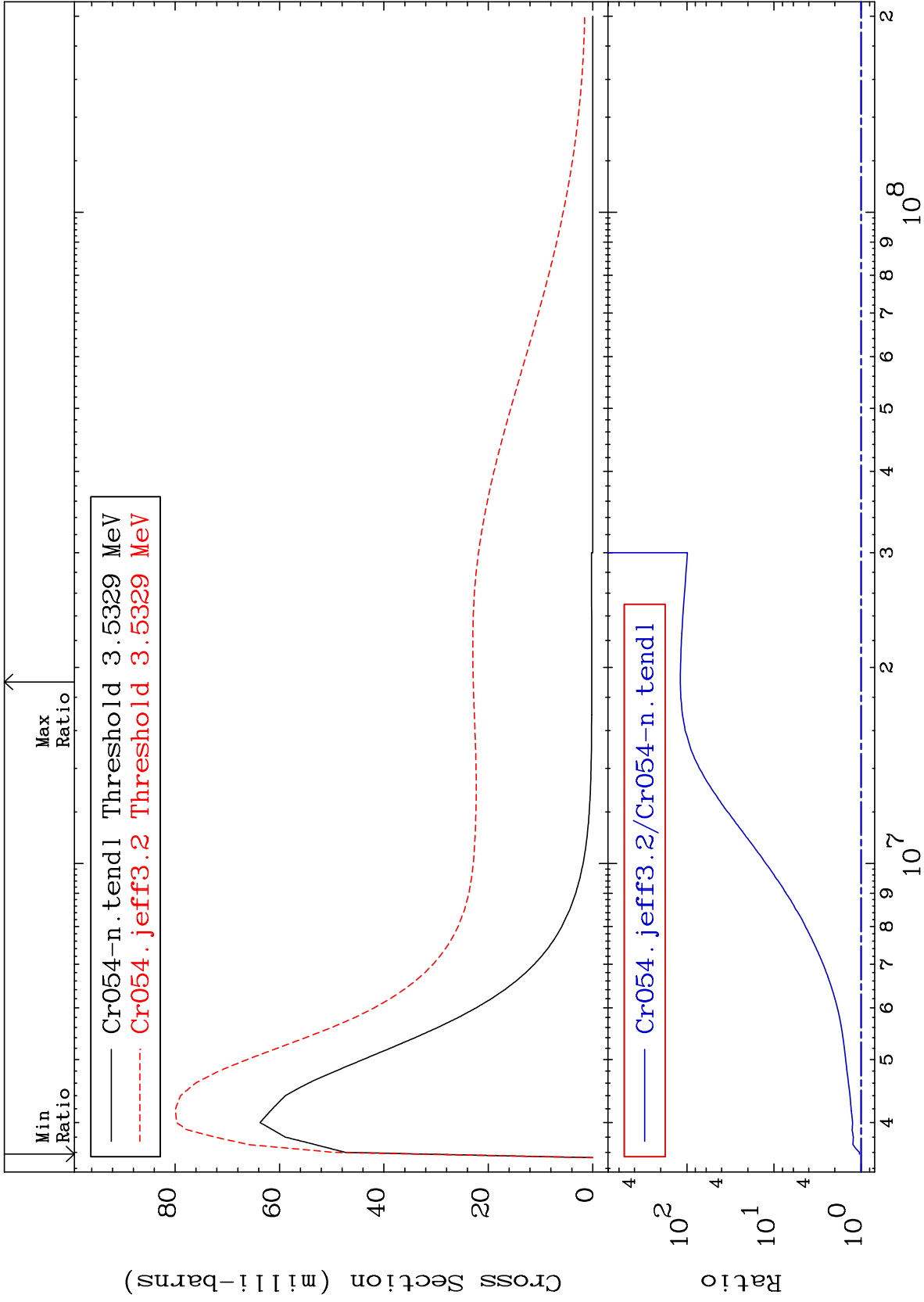
24-Cr-54
-36.60 To 10.60 %



MAT 2437

3.468 MeV (n,n') Level
Cross Section

24-Cr-54
4.521 To 9999. %



14

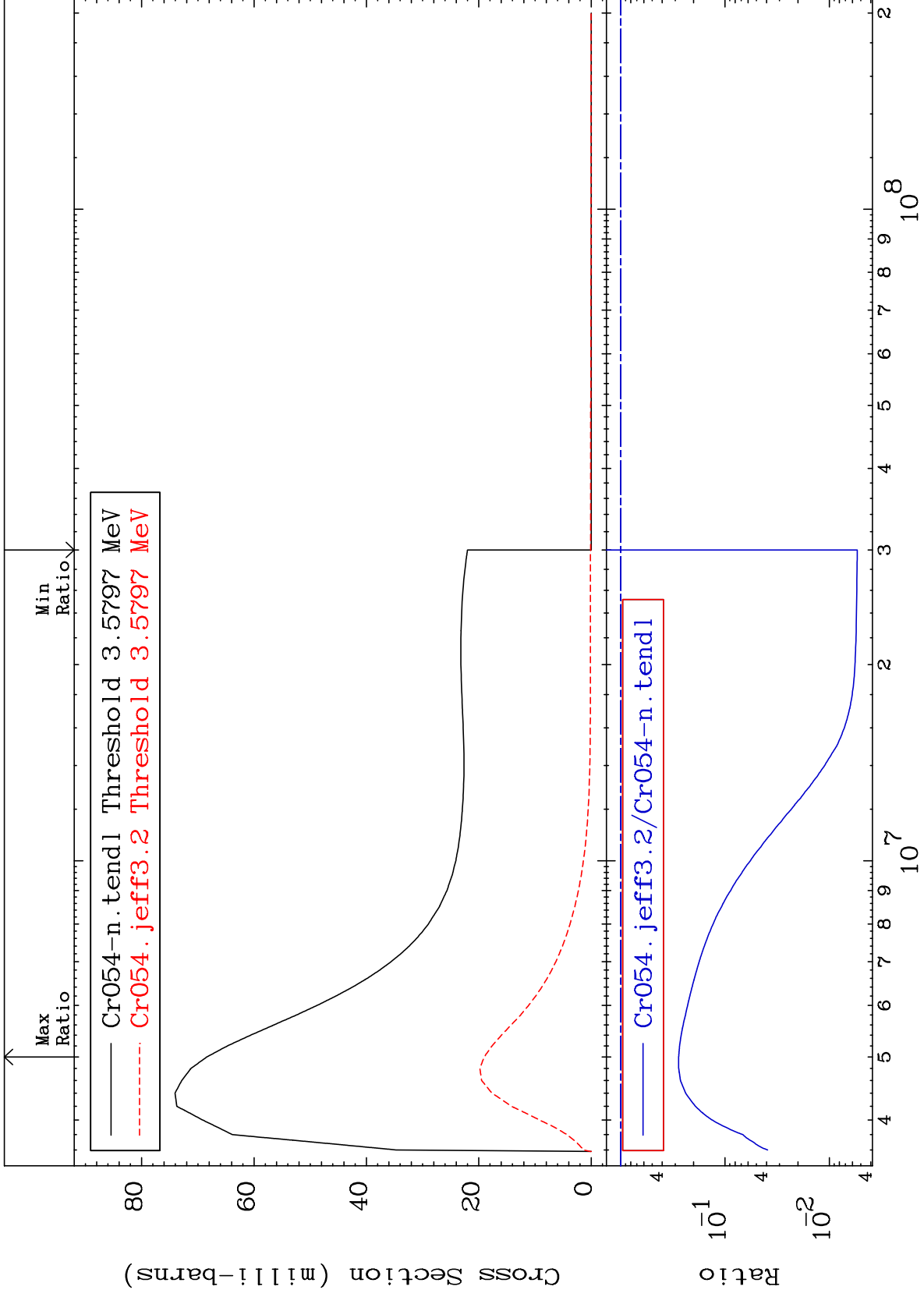
Incident Energy (eV)

24-Cr-54

MAT 2437

3.514 MeV (n,n') Level
Cross Section

²⁴Cr-54
-99.46 To -72.16%



15

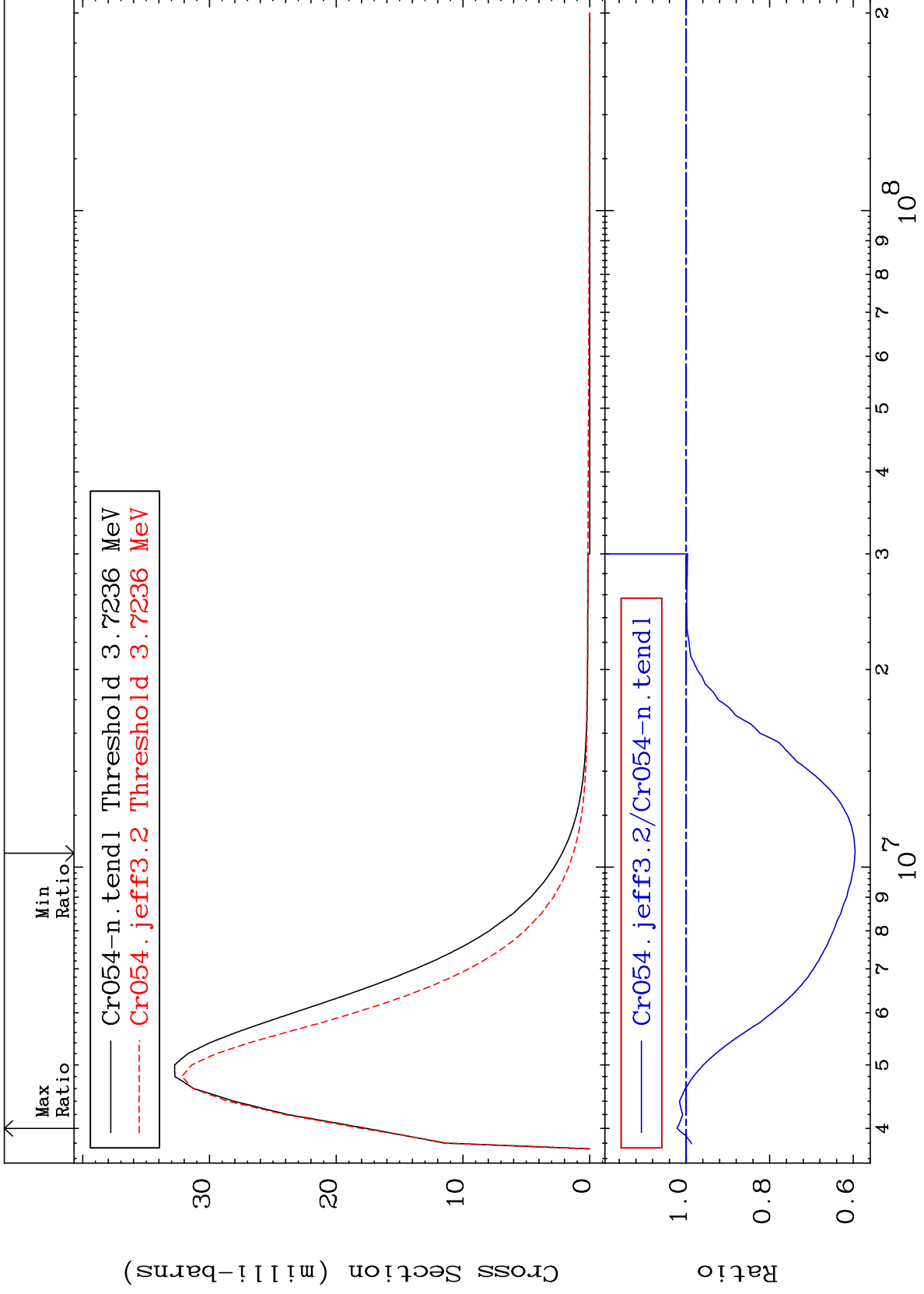
Incident Energy (eV)

²⁴Cr-54

MAT 2437

3.655 MeV (n,n') Level
Cross Section

24-Cr-54
-40.43 To 2.198 %



16

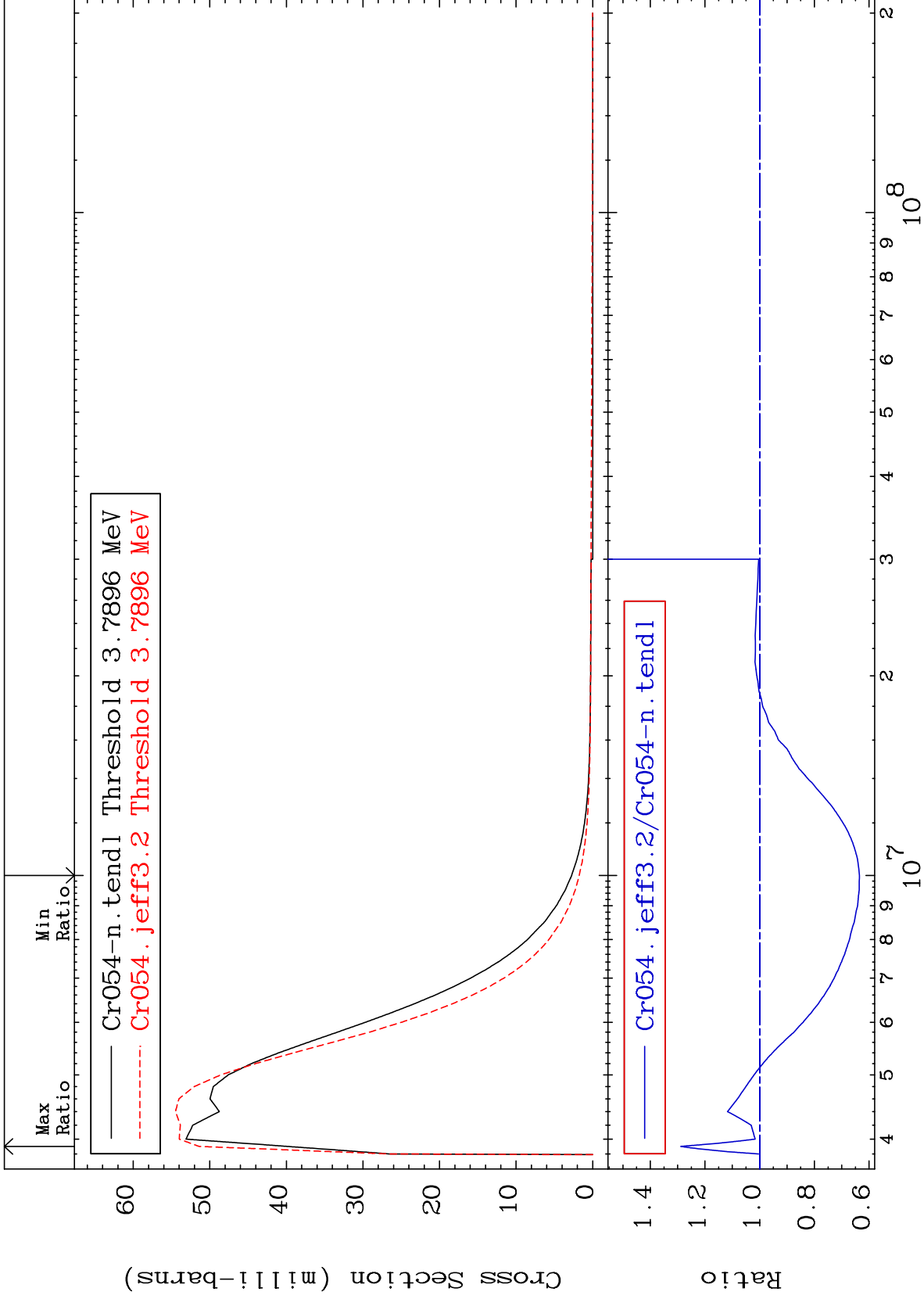
Incident Energy (eV)

24-Cr-54

MAT 2437

3.720 MeV (n,n') Level
Cross Section

24-Cr-54
-36.47 To 29.00 %



17

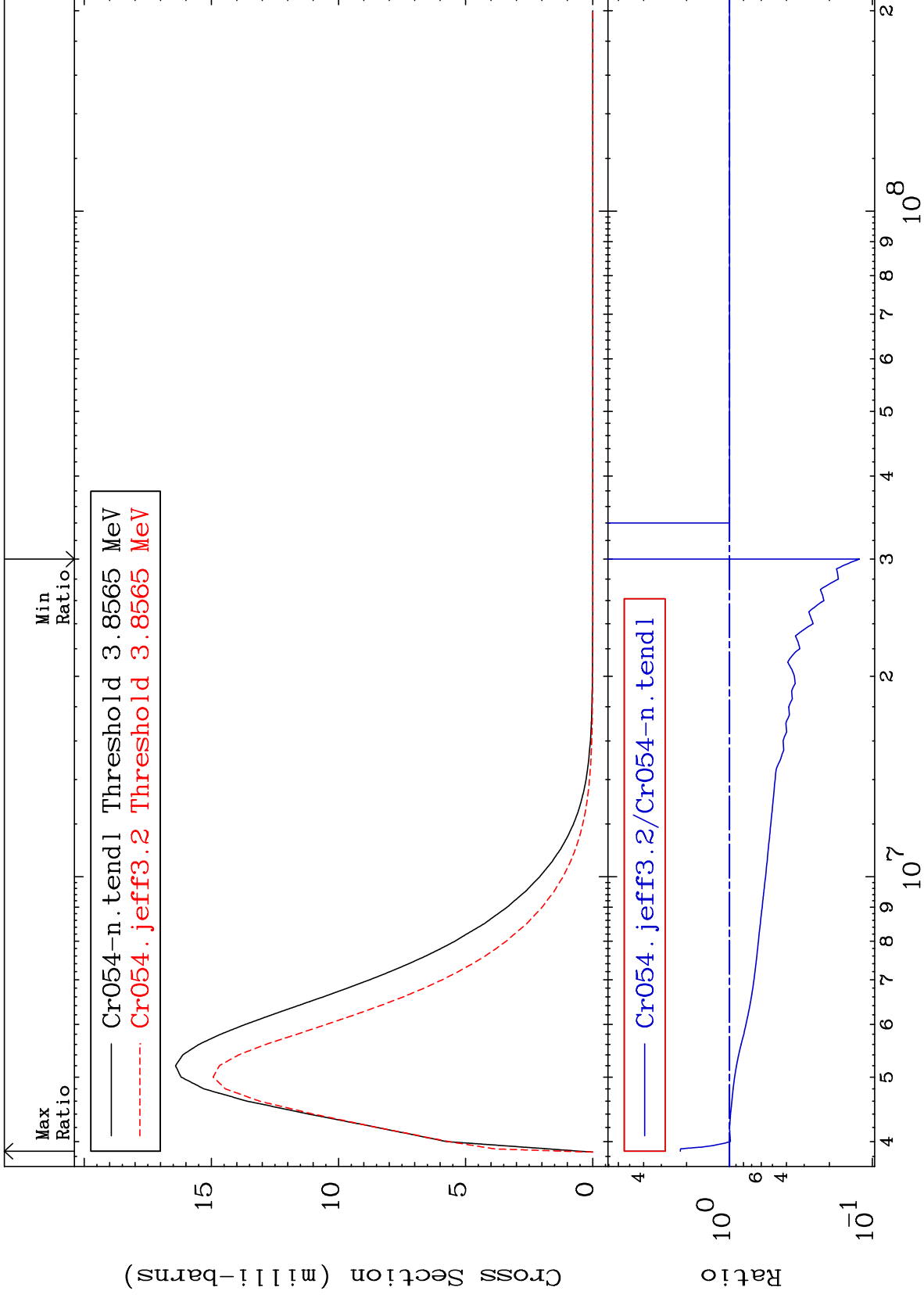
24-Cr-54

24-Cr-54

MAT 2437

3.786 MeV (n,n') Level
Cross Section

24-Cr-54
-87.67 To 120.9 %



18

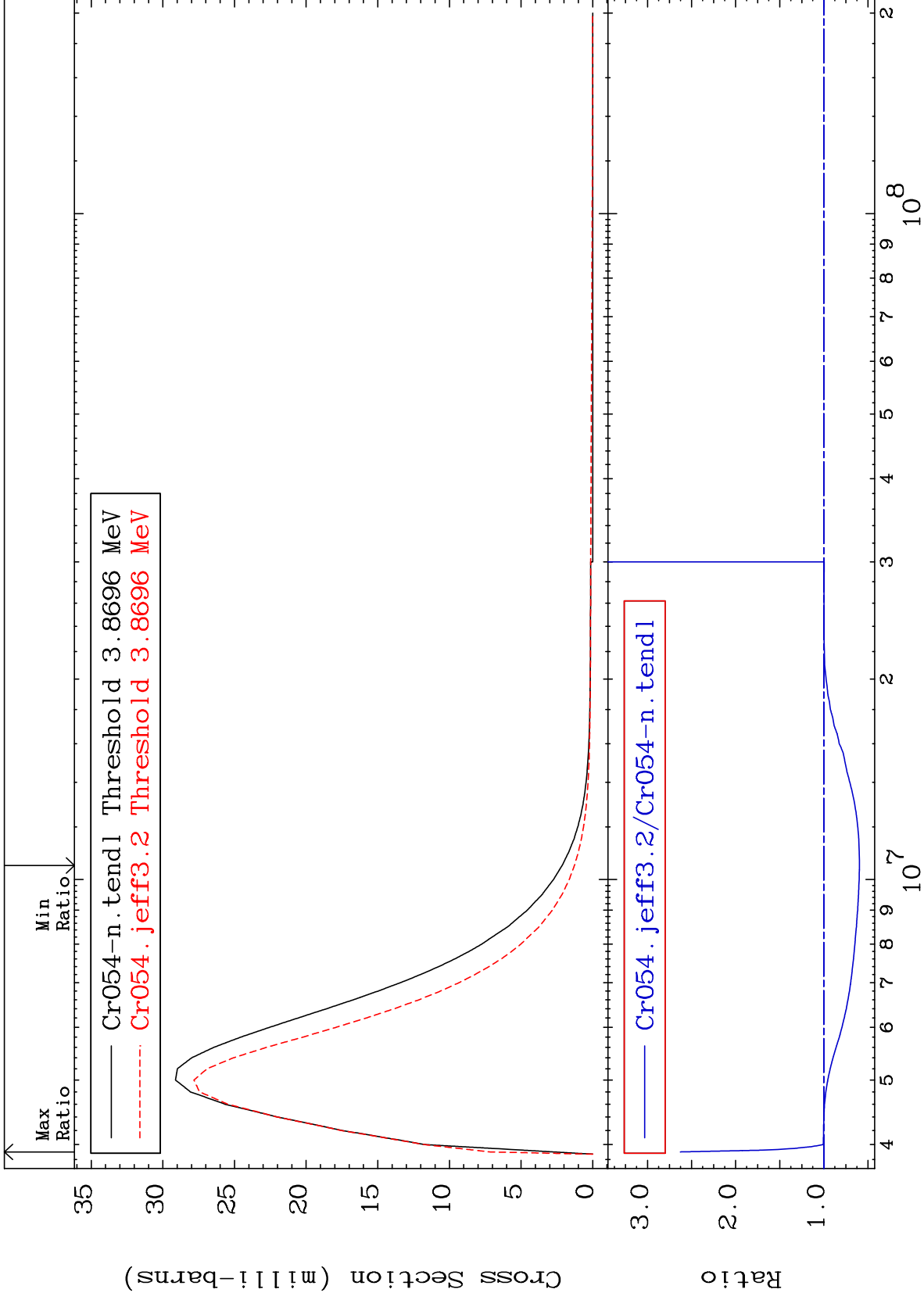
Incident Energy (eV)

24-Cr-54

MAT 2437

3.799 MeV (n,n') Level
Cross Section

24-Cr-54
-40.39 To 162.7 %



19

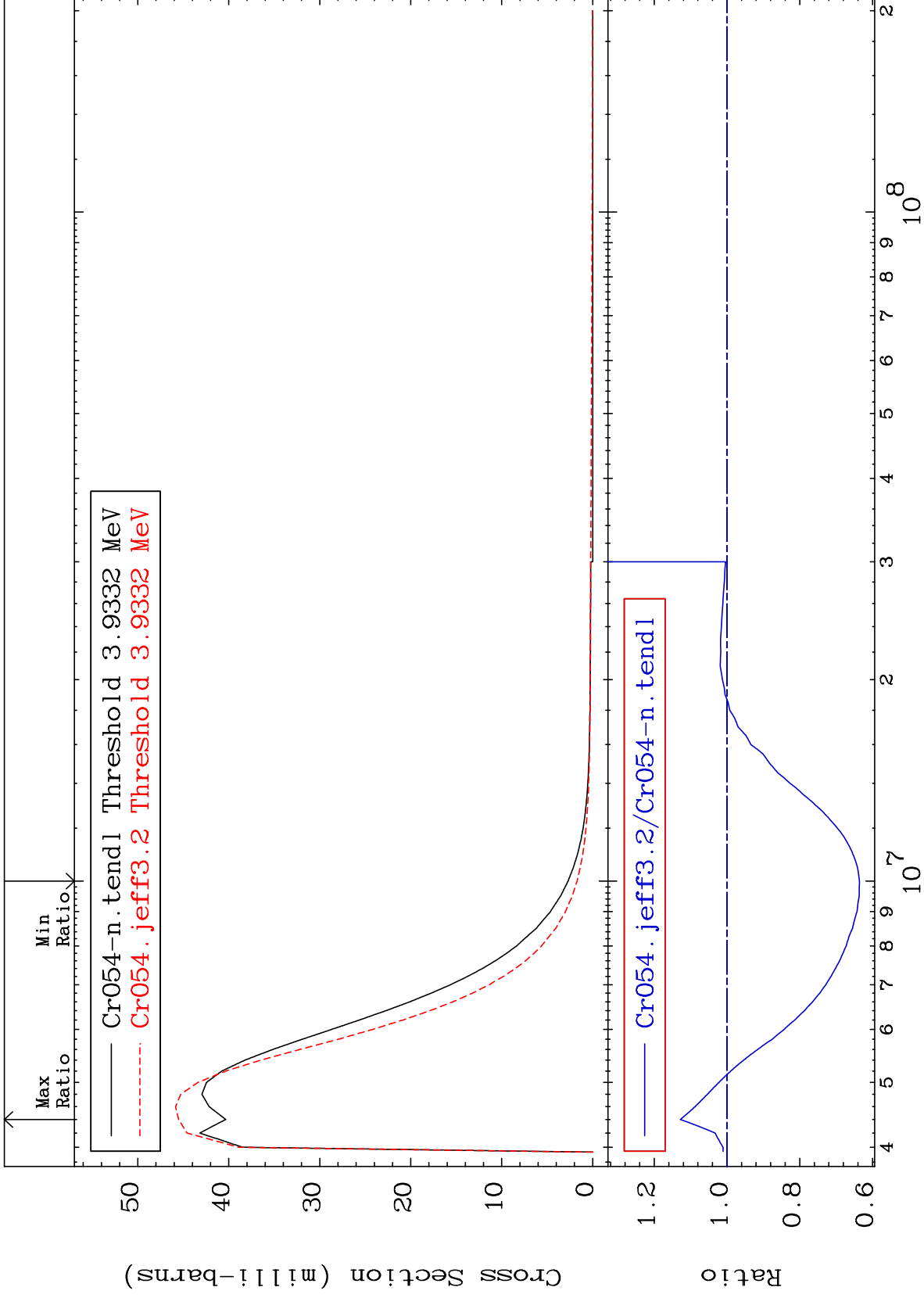
24-Cr-54

24-Cr-54

MAT 2437

3.861 MeV (n,n') Level
Cross Section

24-Cr-54
-36.41 To 12.82 %



20

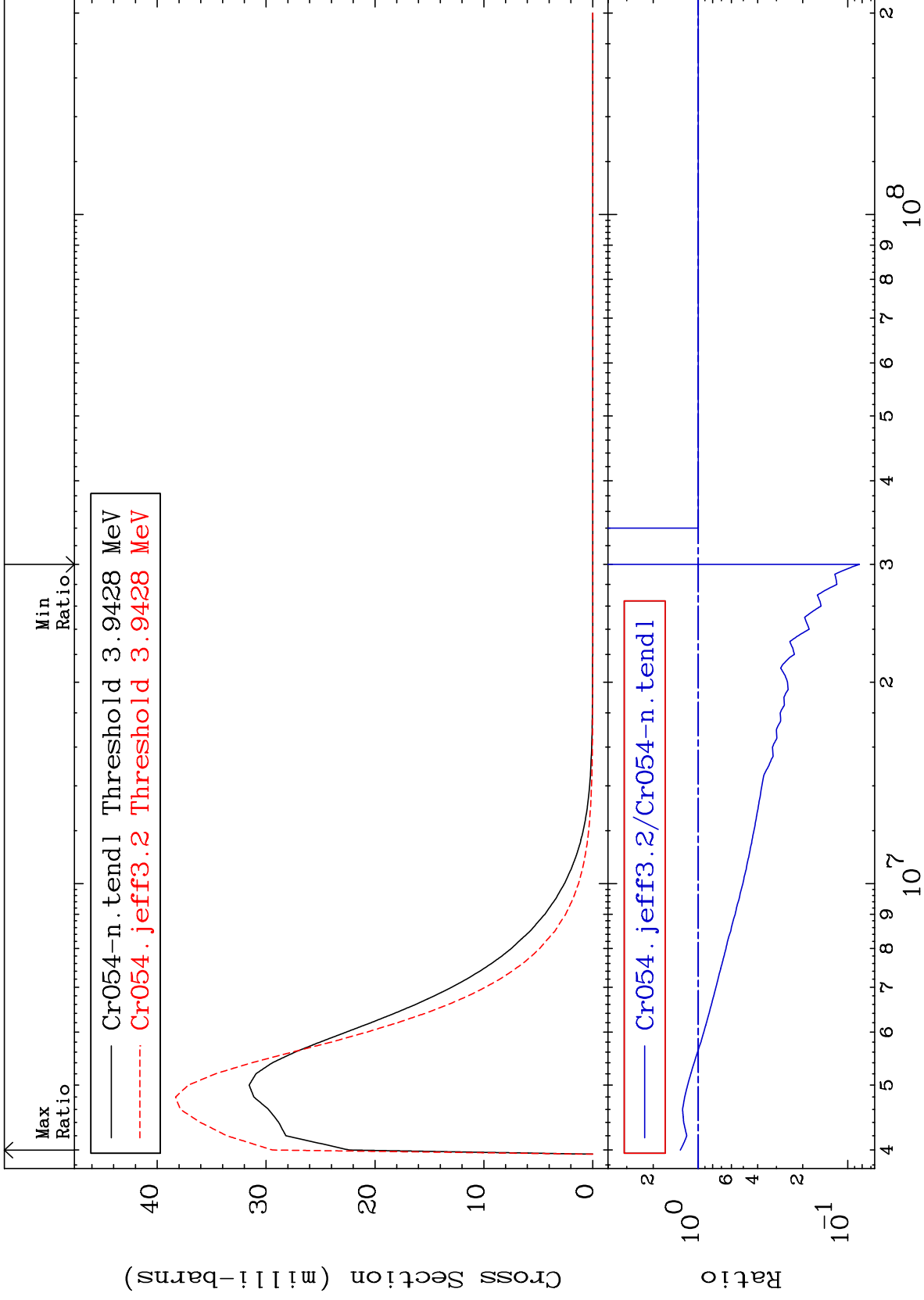
Incident Energy (eV)

24-Cr-54

MAT 2437

3.870 MeV (n,n') Level
Cross Section

24-Cr-54
-91.65 To 31.56 %



21

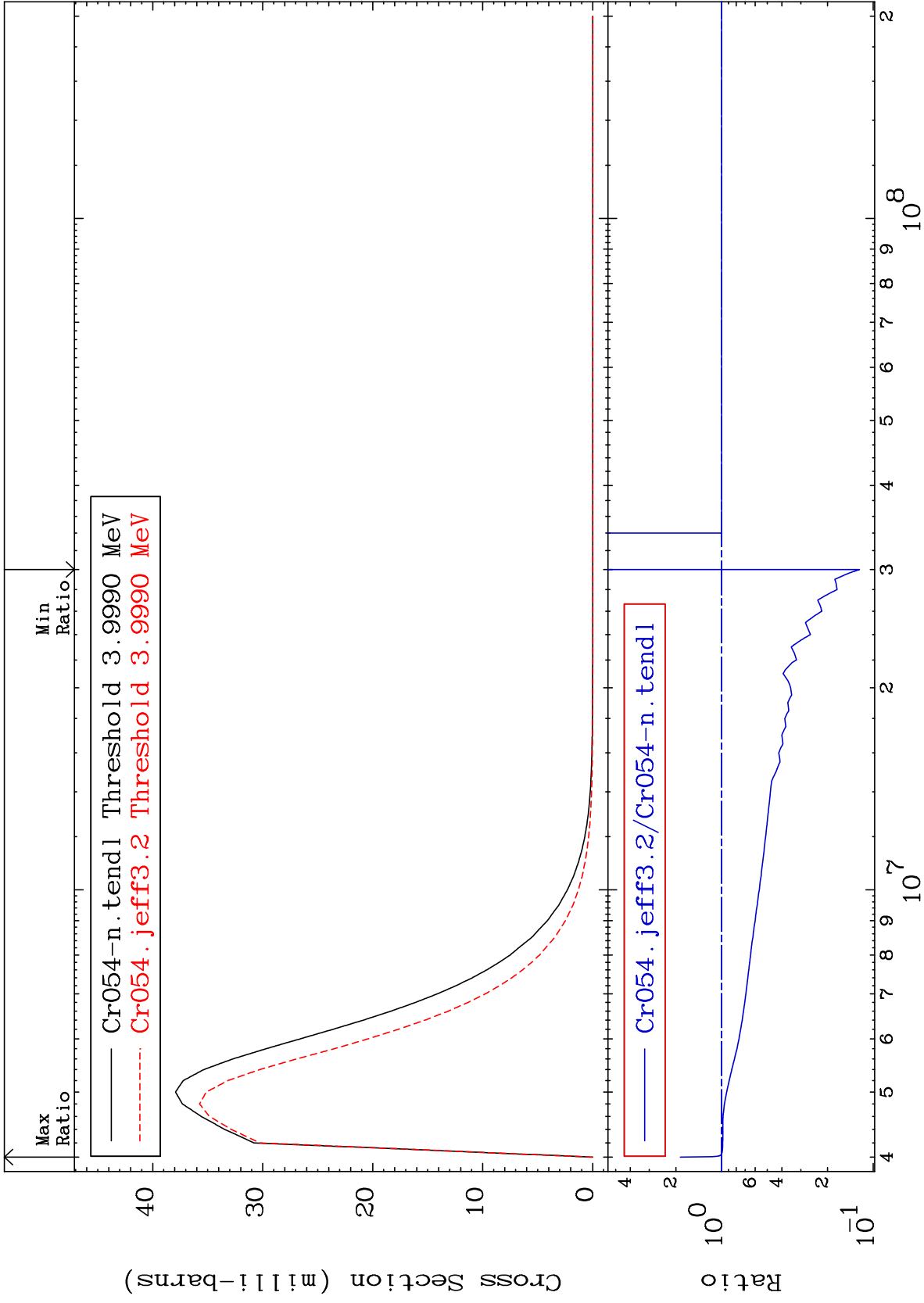
Incident Energy (eV)

24-Cr-54

MAT 2437

3.926 MeV (n,n') Level
Cross Section

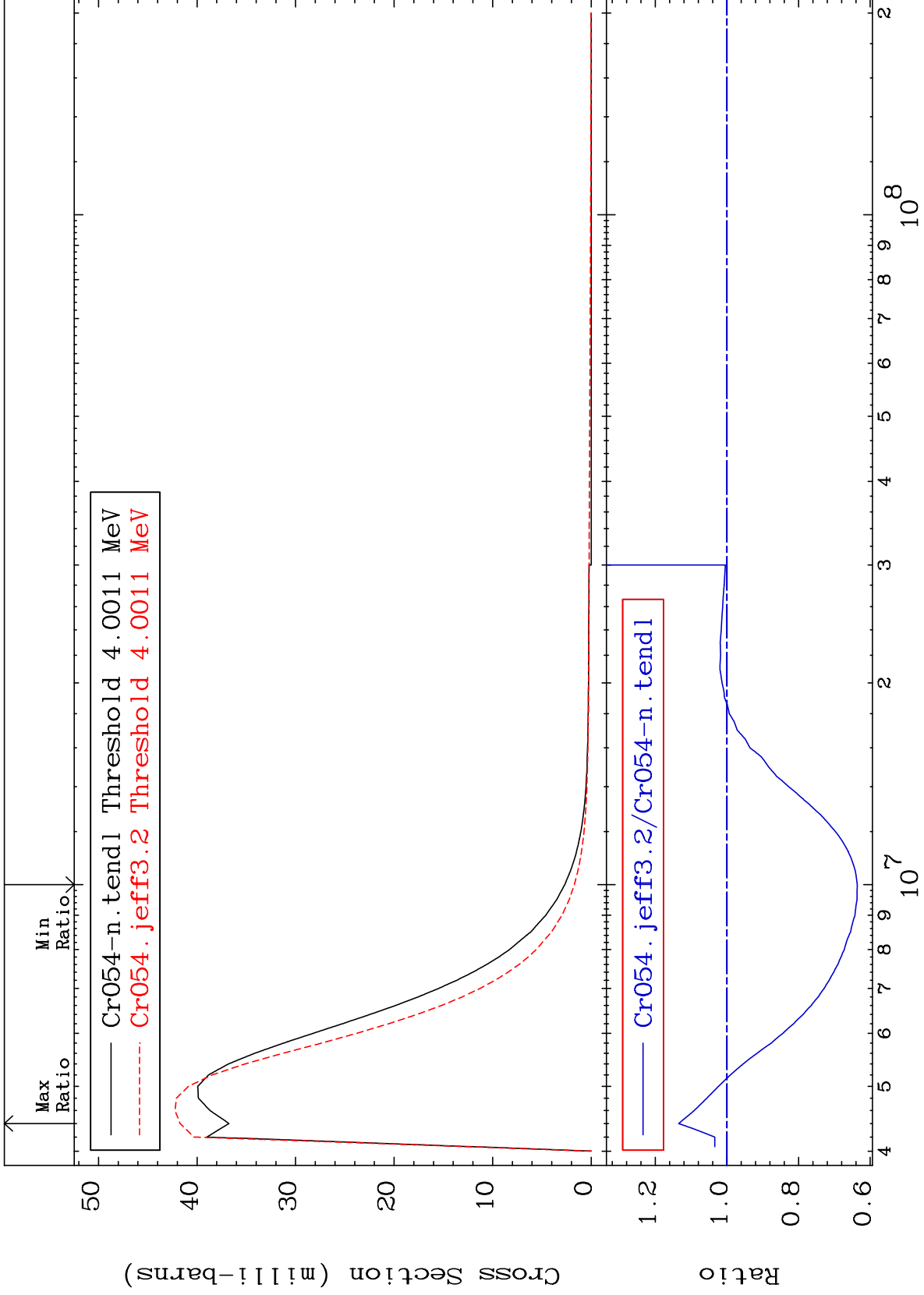
²⁴Cr-54
-87.68 To 87.14 %



MAT 2437

3.928 MeV (n,n') Level
Cross Section

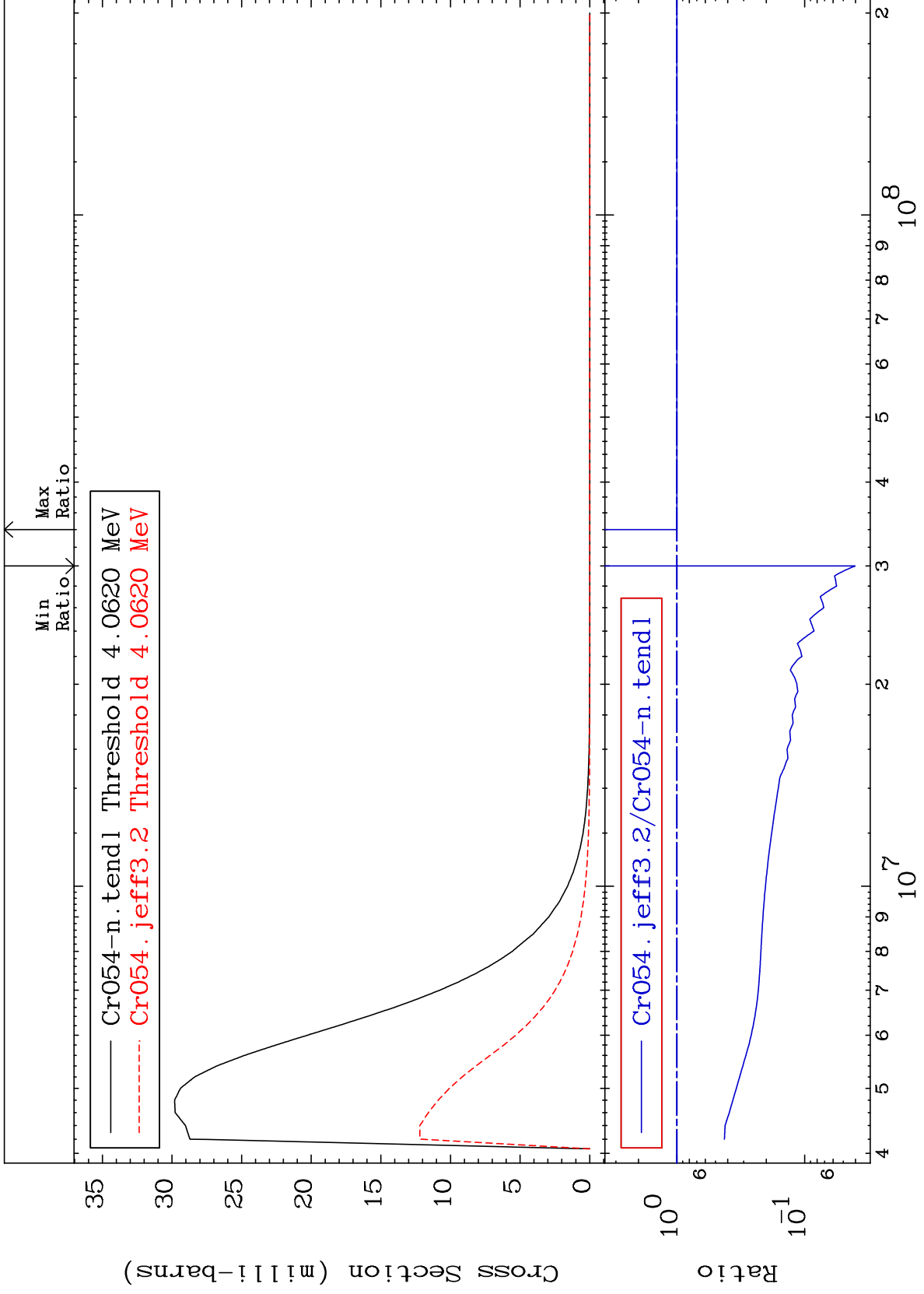
24-Cr-54
-36.38 To 13.48 %



MAT 2437

3.987 MeV (n,n') Level
Cross Section

24-Cr-54
-95.96 To 0.000 %



24

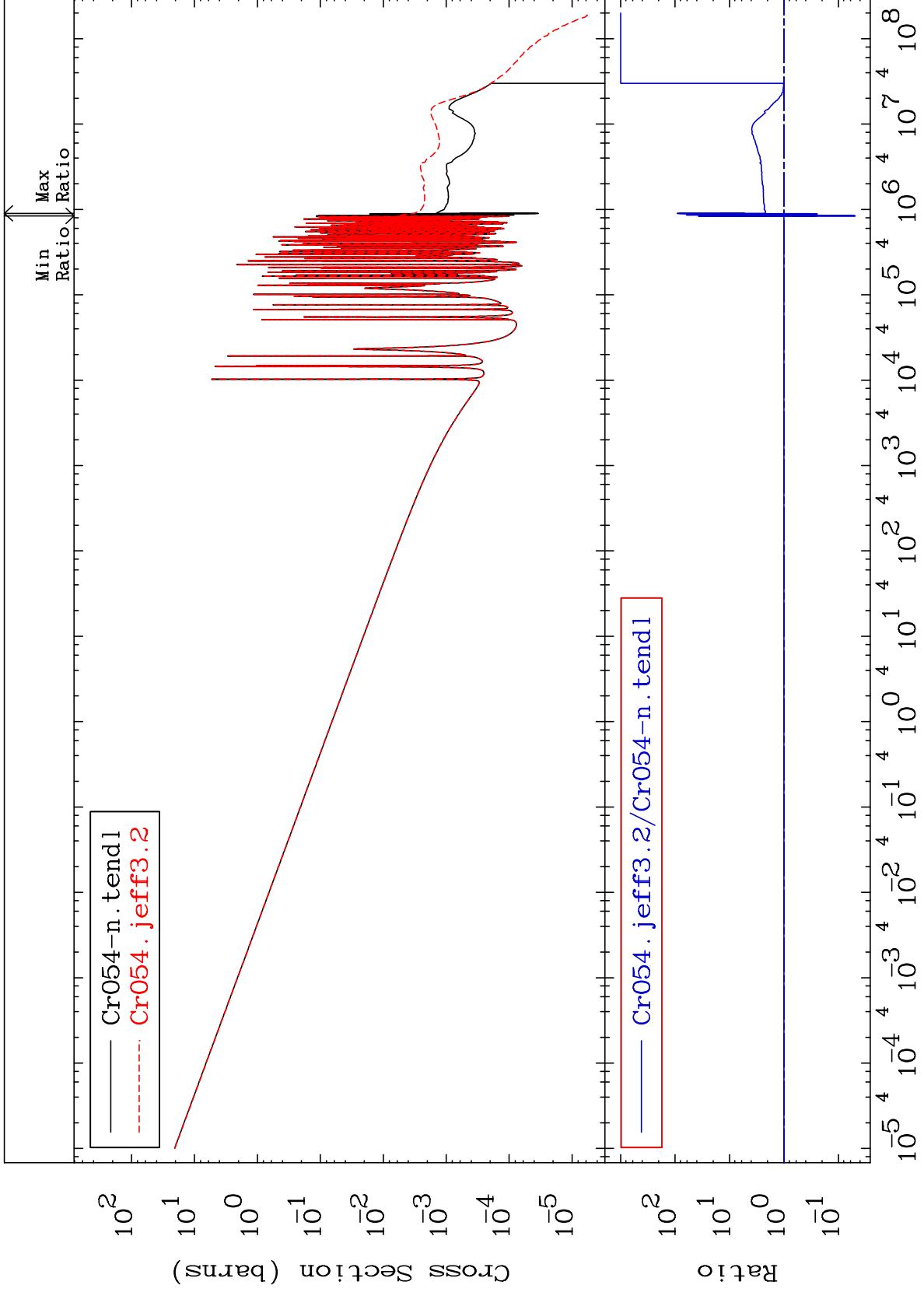
Incident Energy (eV)

24-Cr-54

MAT 2437

(n, γ)
Cross Section

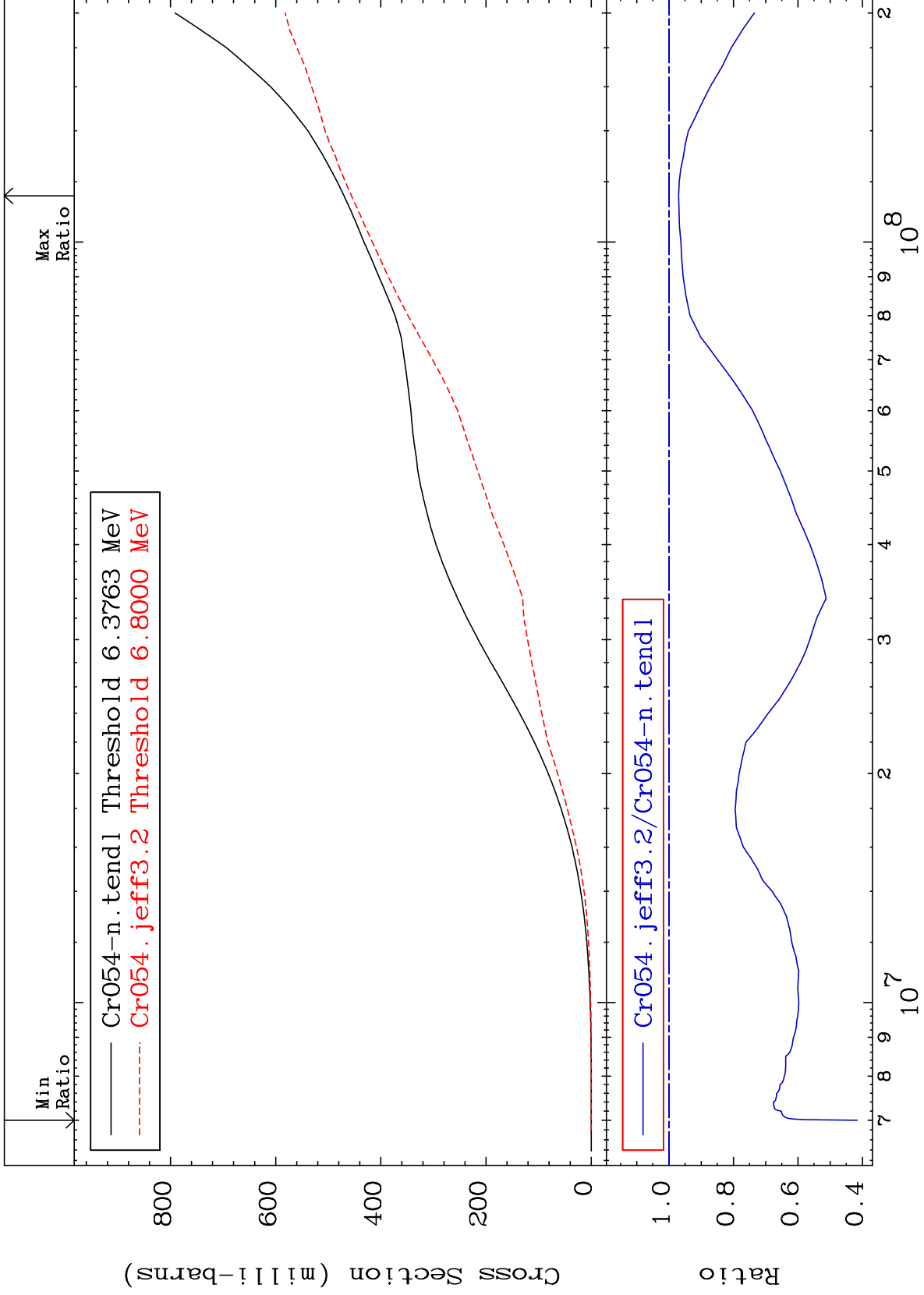
24-Cr-54
-95.05 To 9139. %



MAT 2437

Hydrogen Production
Cross Section

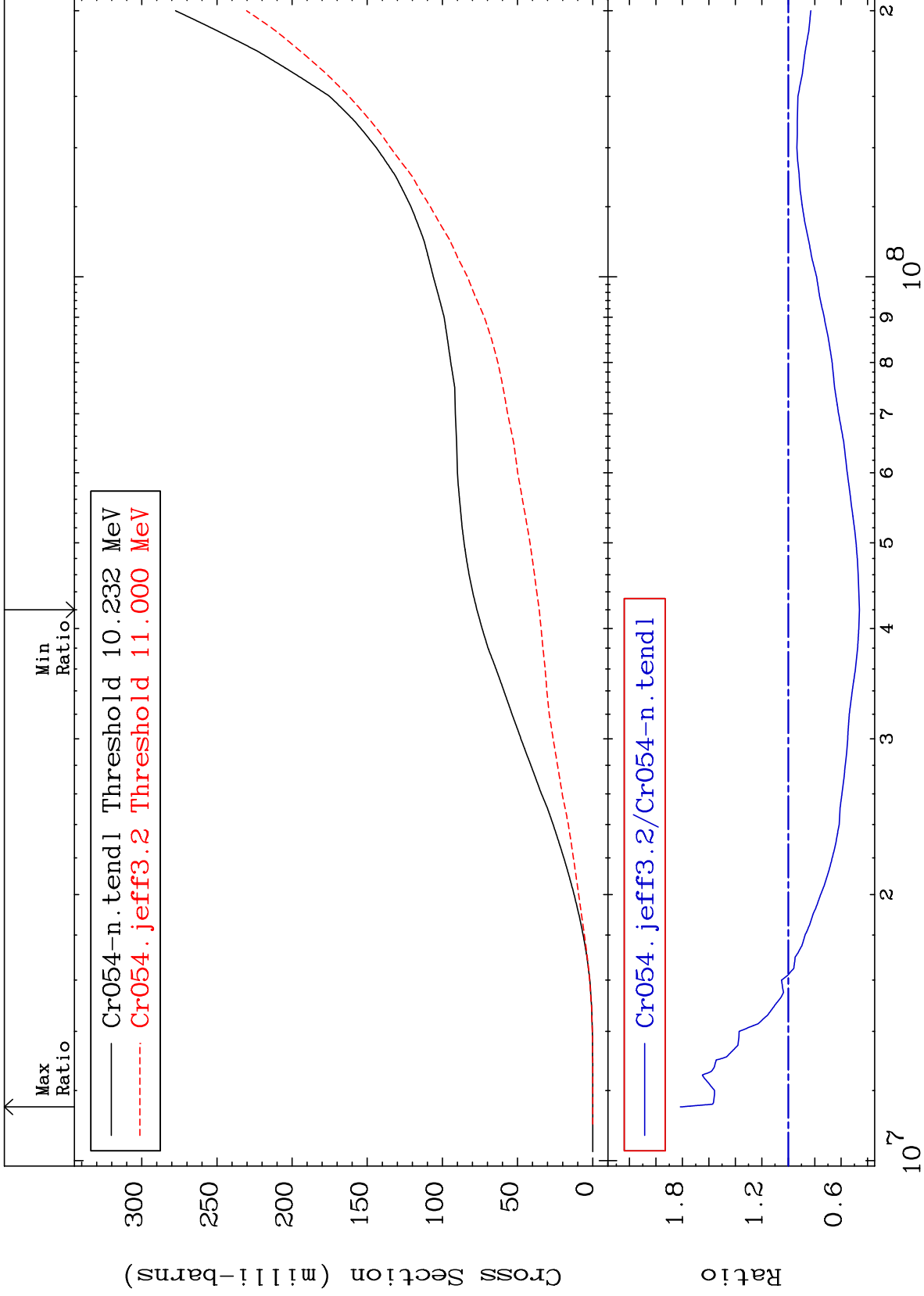
$^{24}\text{Cr}-54$
-58.40 To -2.997%



MAT 2437

Deuterium Production
Cross Section

$^{24}\text{Cr-54}$
-53.81 To 81.57 %



— Cr054-n.tendl Threshold 10.232 MeV
- - - Cr054.jeff3.2 Threshold 11.000 MeV

— Cr054.jeff3.2/Cr054-n.tendl

27

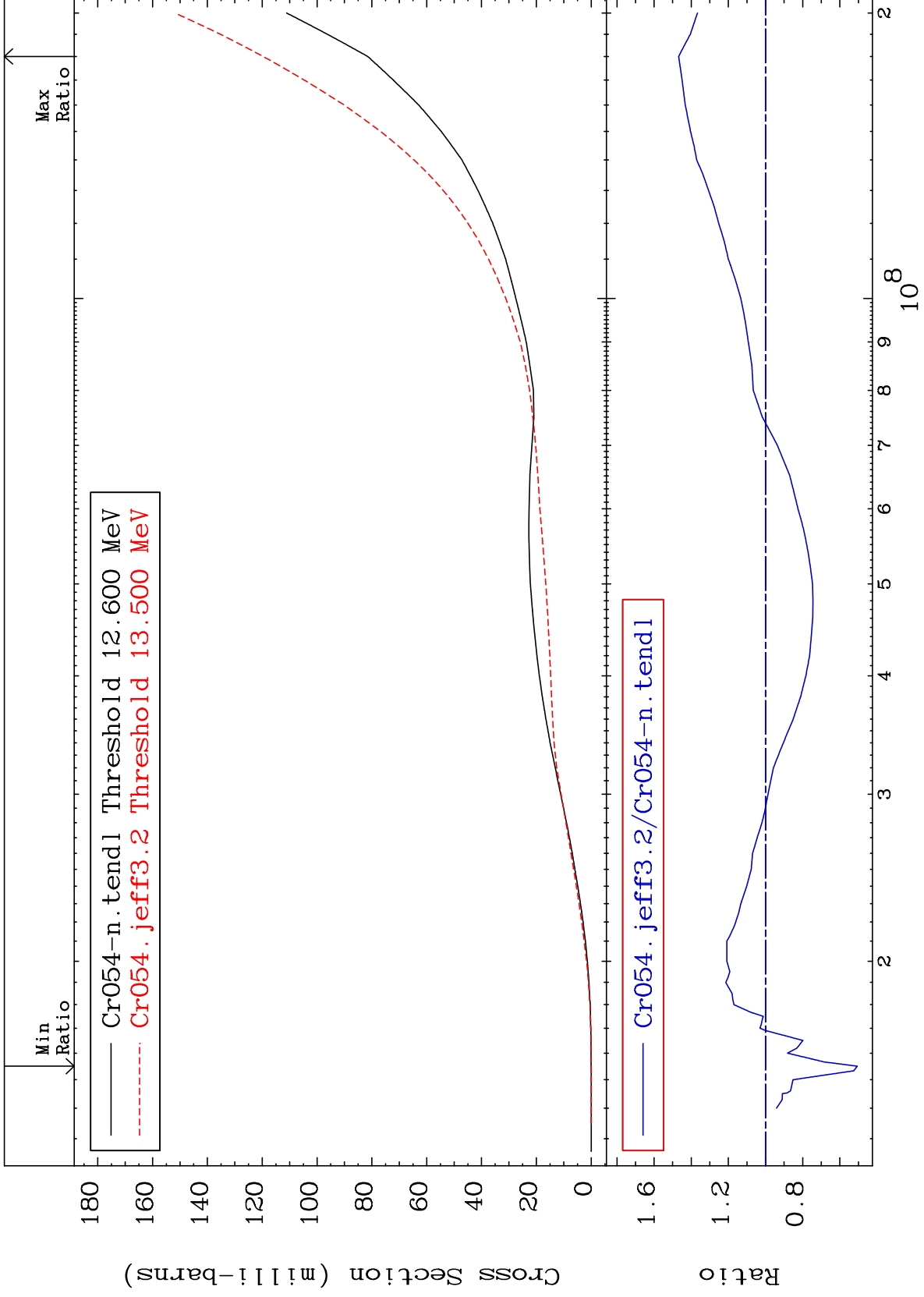
Incident Energy (eV)

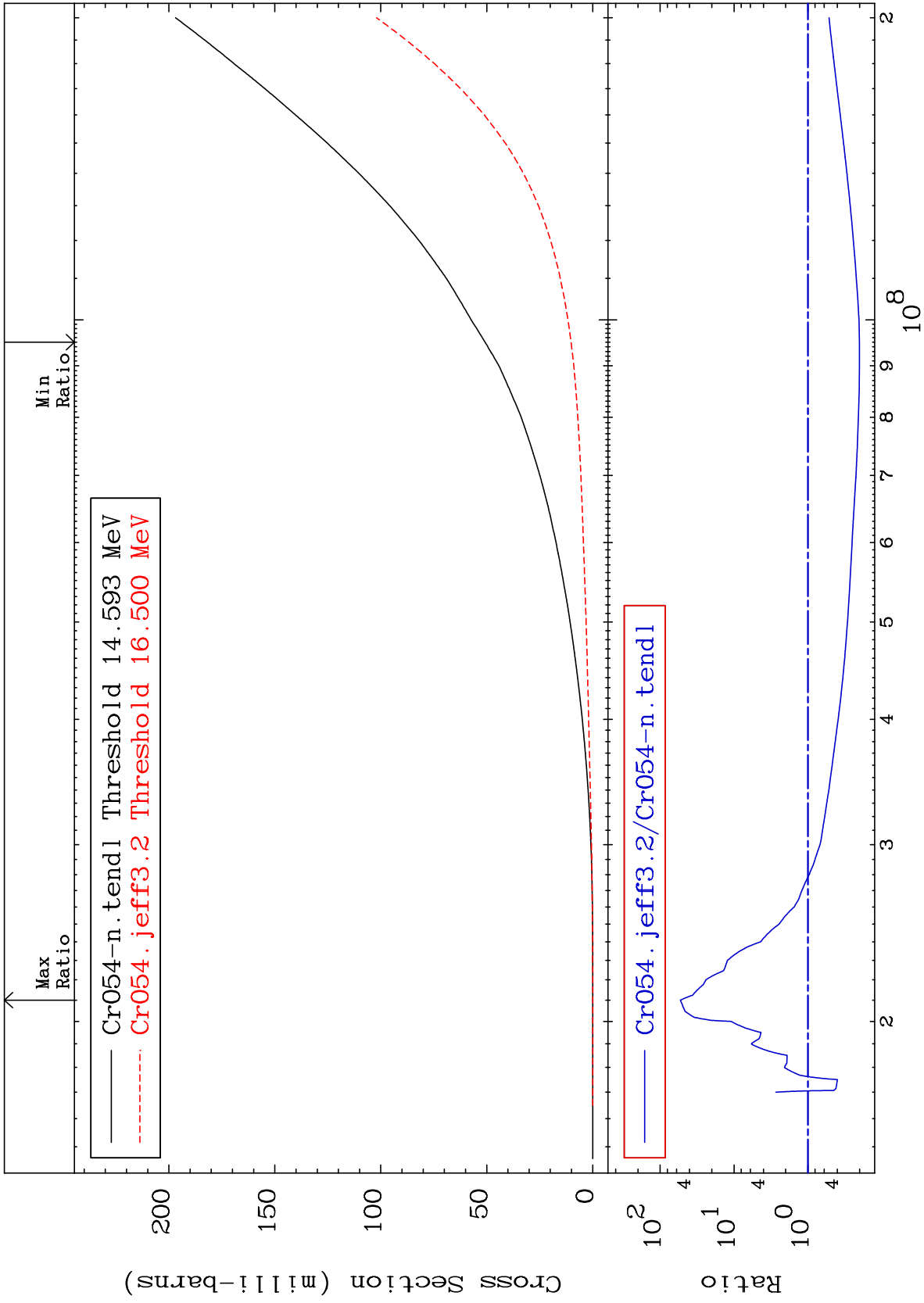
$^{24}\text{Cr-54}$

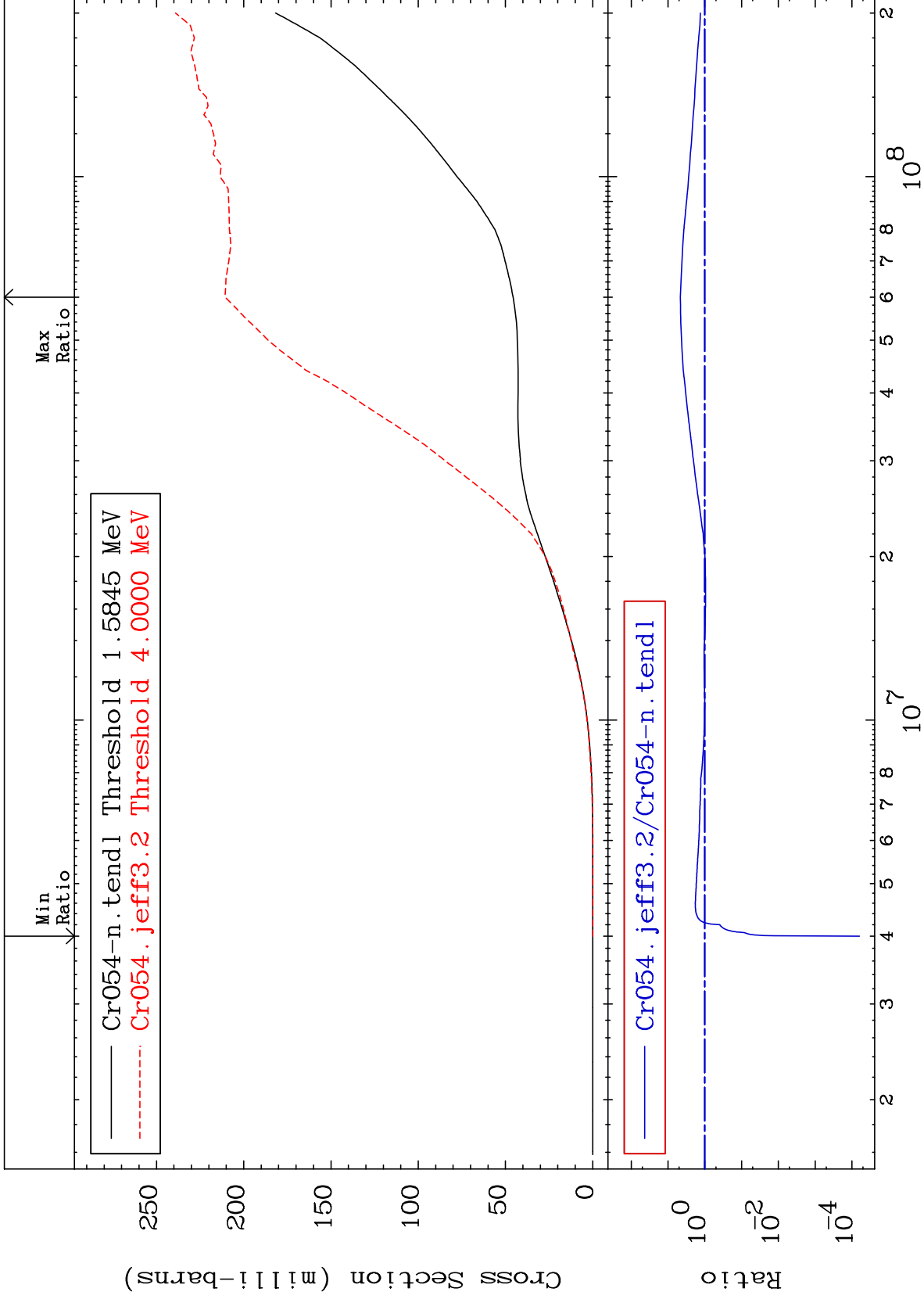
MAT 2437

Tritium Production
Cross Section

²⁴Cr-54
-49.37 To 46.78 %



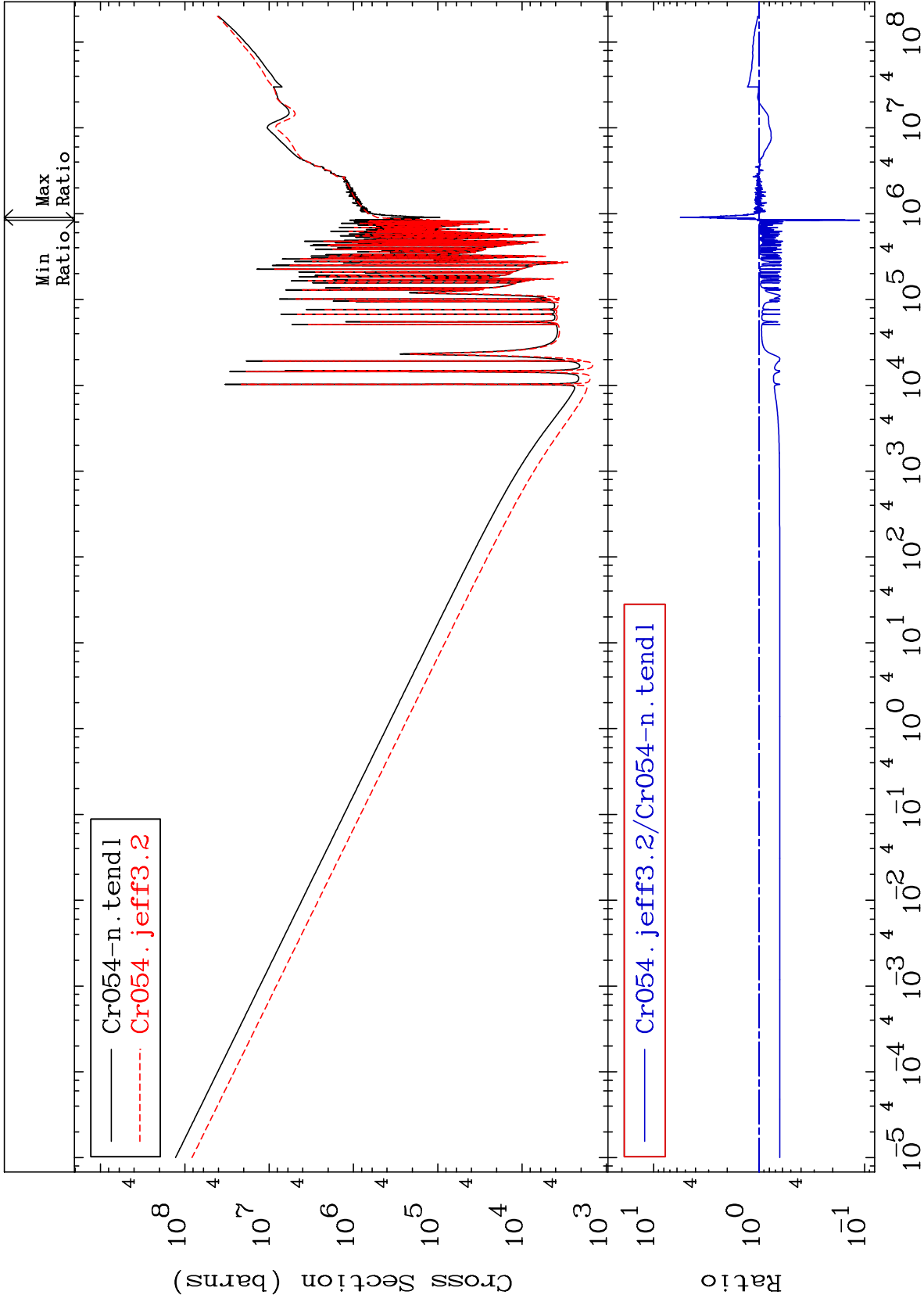




MAT 2437

Kerma total (eV-barns)
Cross Section

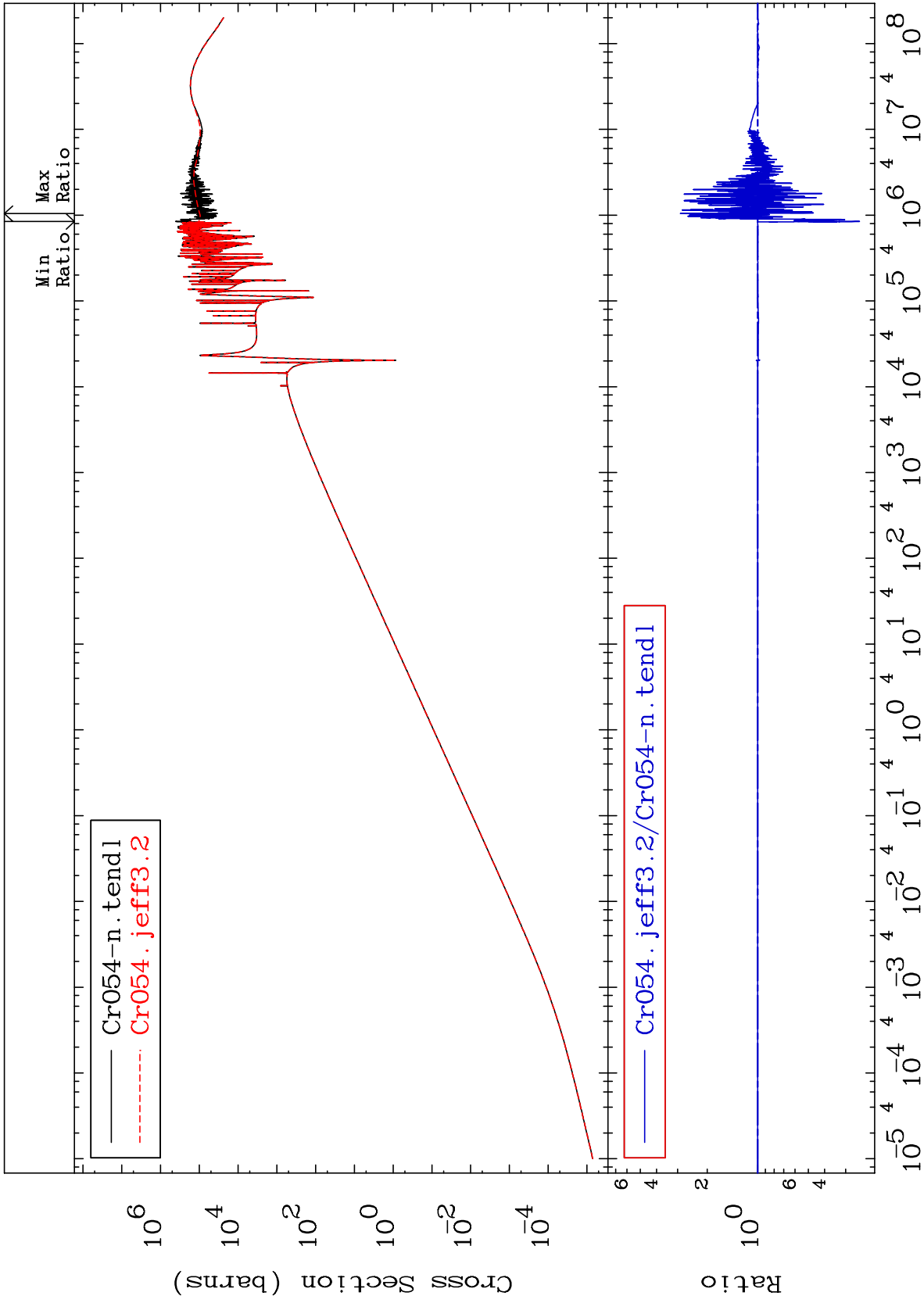
24-Cr-54
-88.81 To 457.4 %



MAT 2437

Kerma elastic
Cross Section

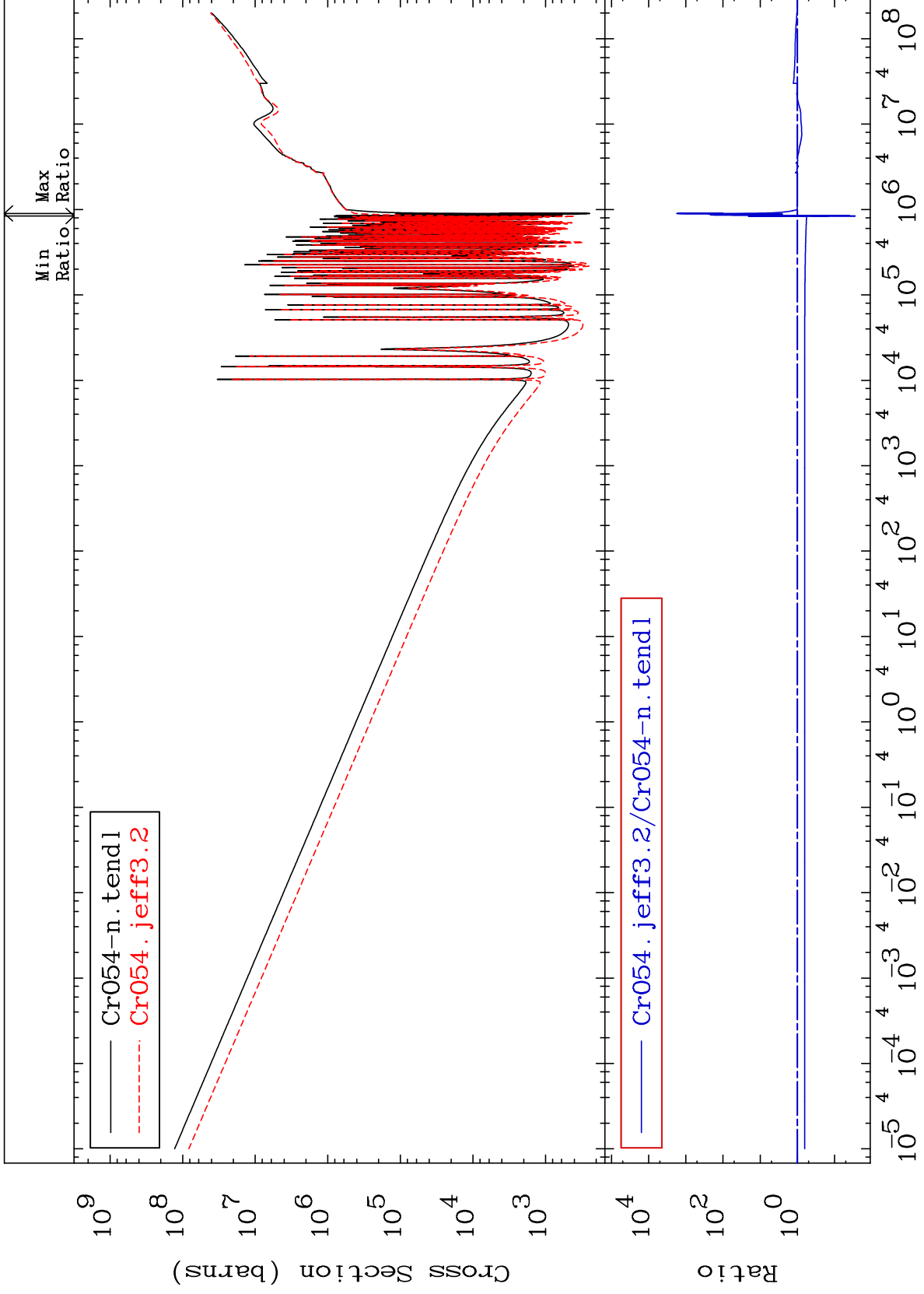
²⁴Cr-54
-75.13 To 188.6 %

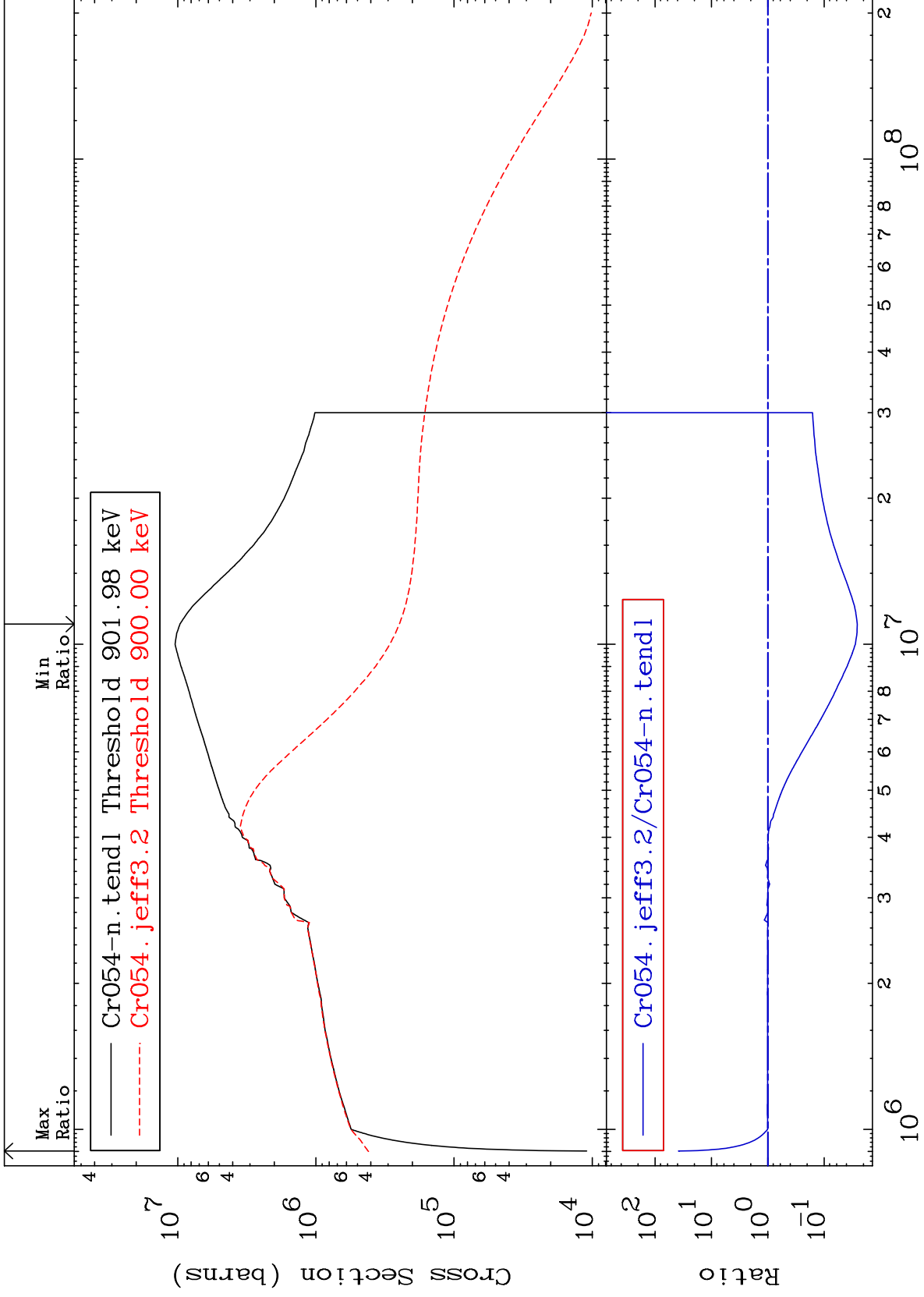


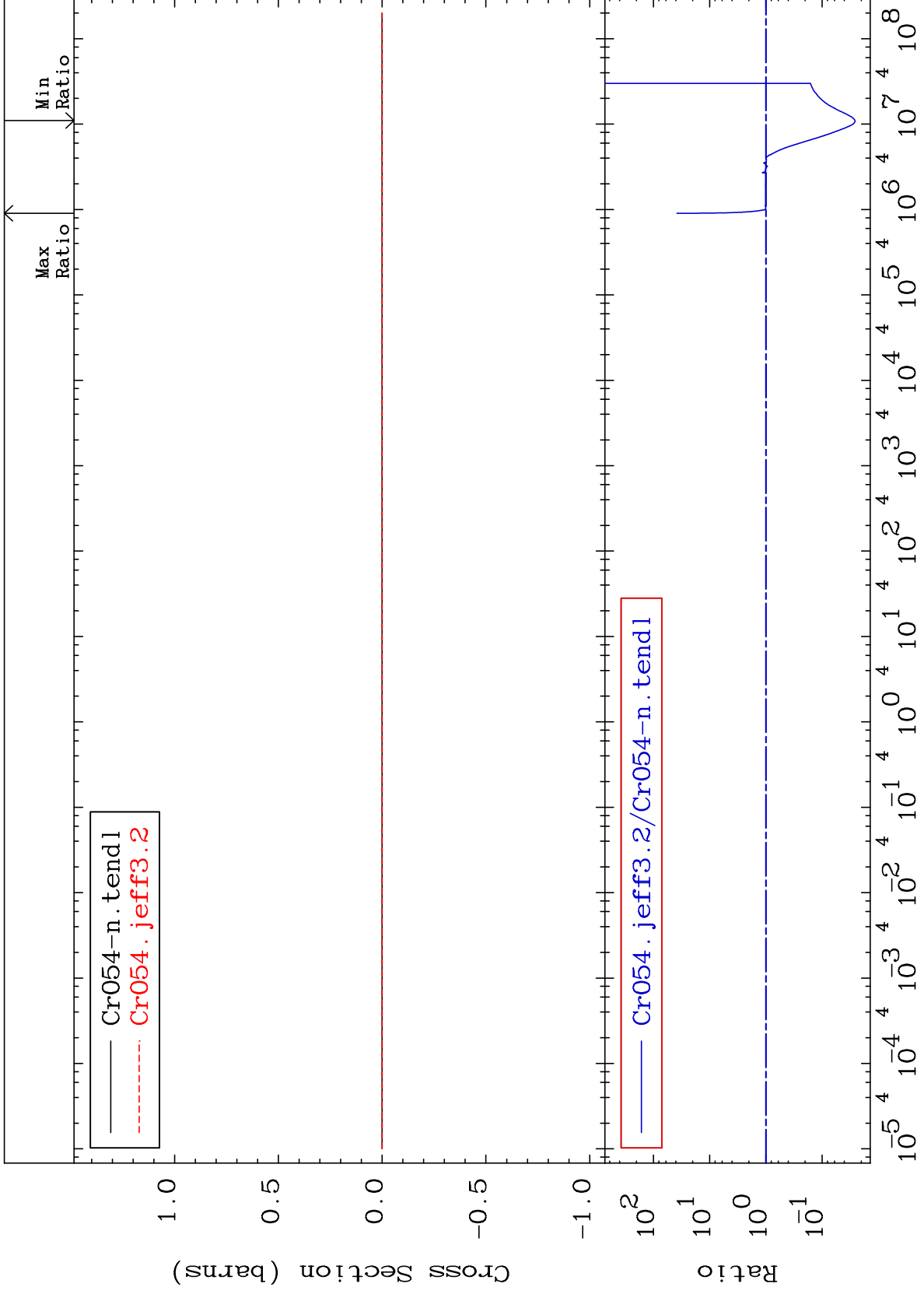
MAT 2437

Kerma non-elastic (all but mt2)
Cross Section

24-Cr-54
-97.20 To 9999. %



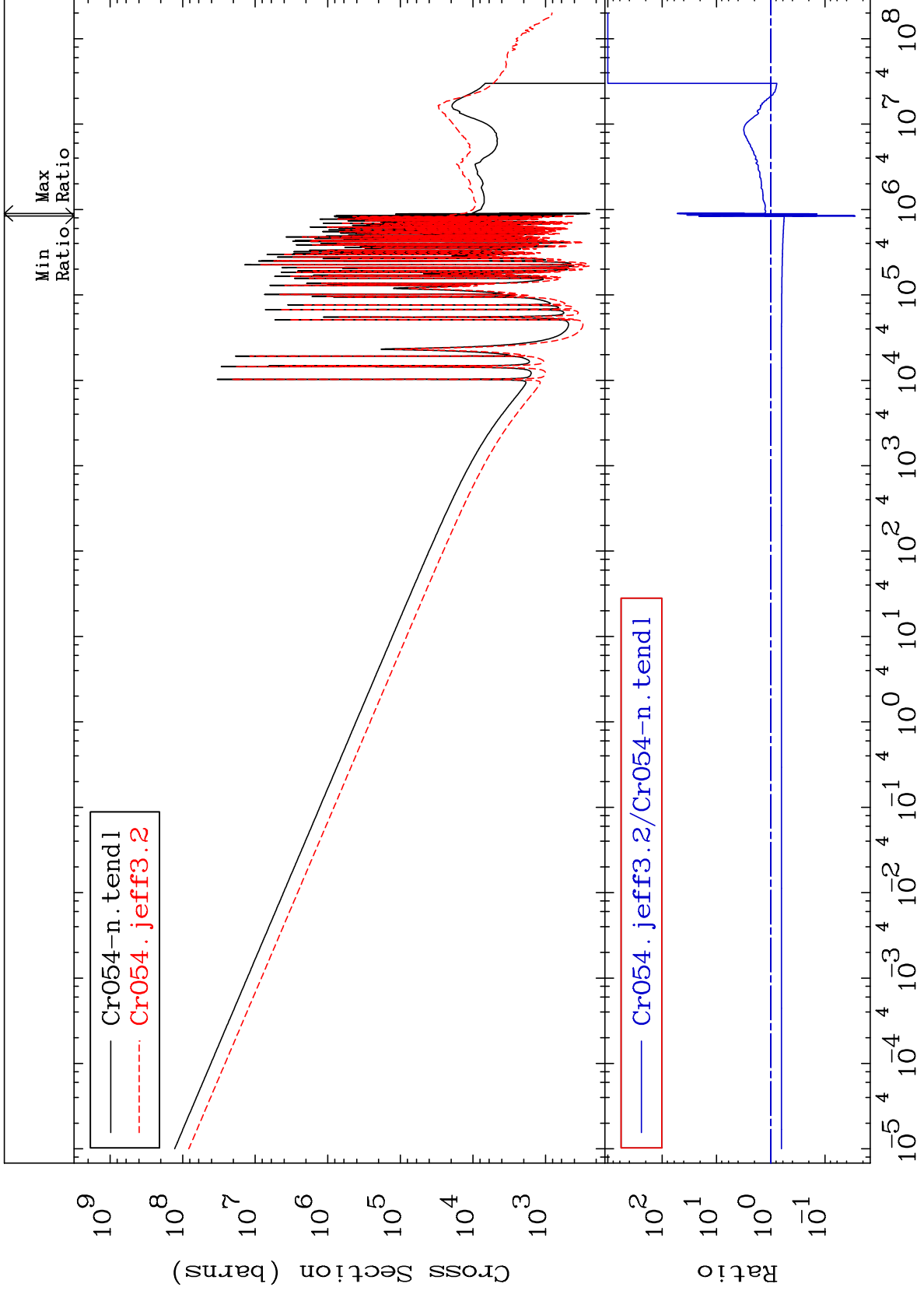




MAT 2437

Kerma capture (mt102)
Cross Section

24-Cr-54
-97.20 To 5244. %



36

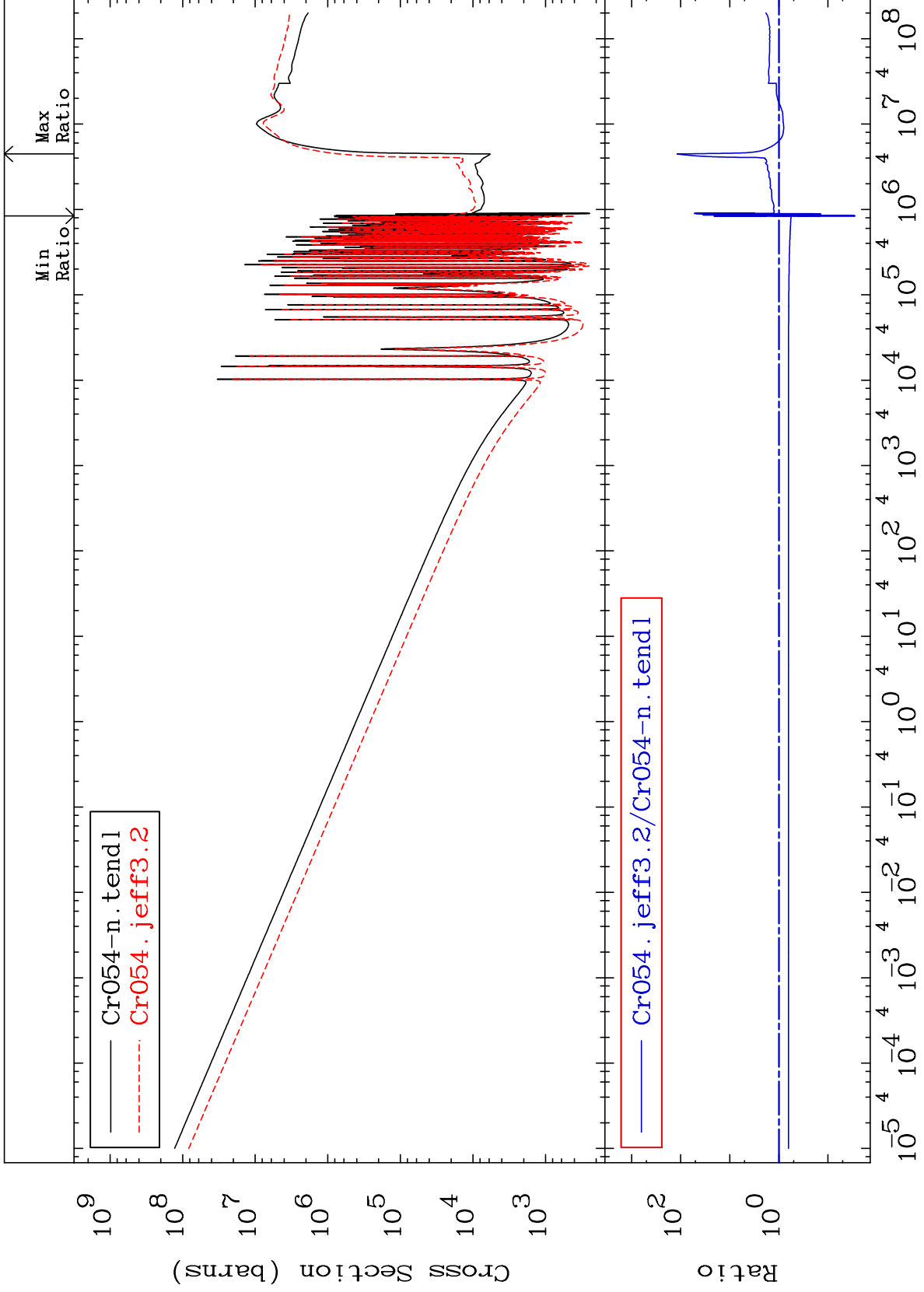
Incident Energy (eV)

24-Cr-54

MAT 2437

Total photon (eV-barns)
Cross Section

24-Cr-54
-97.20 To 9999. %



37

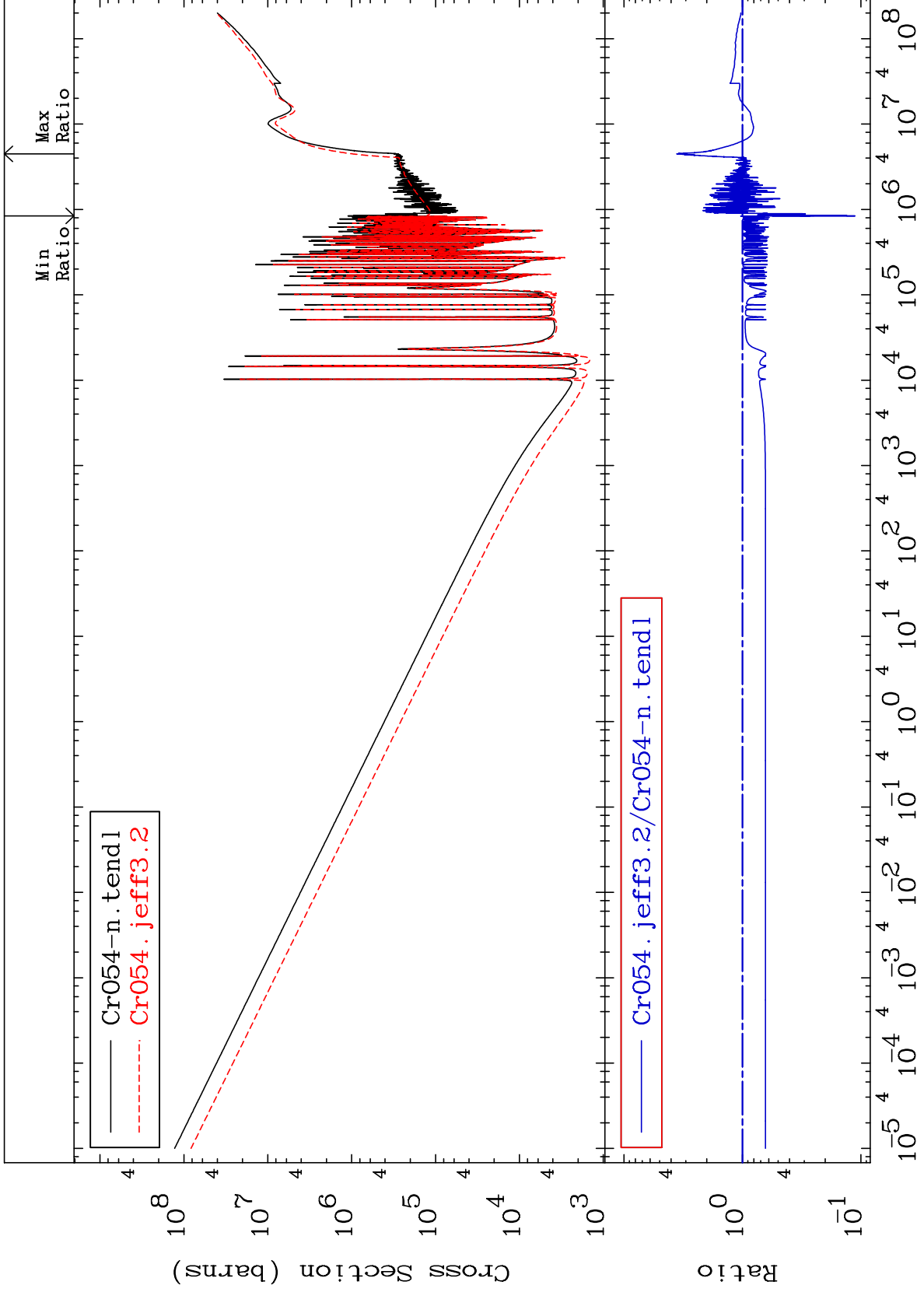
Incident Energy (eV)

24-Cr-54

MAT 2437

Total kinematic kerma (high limit)
Cross Section

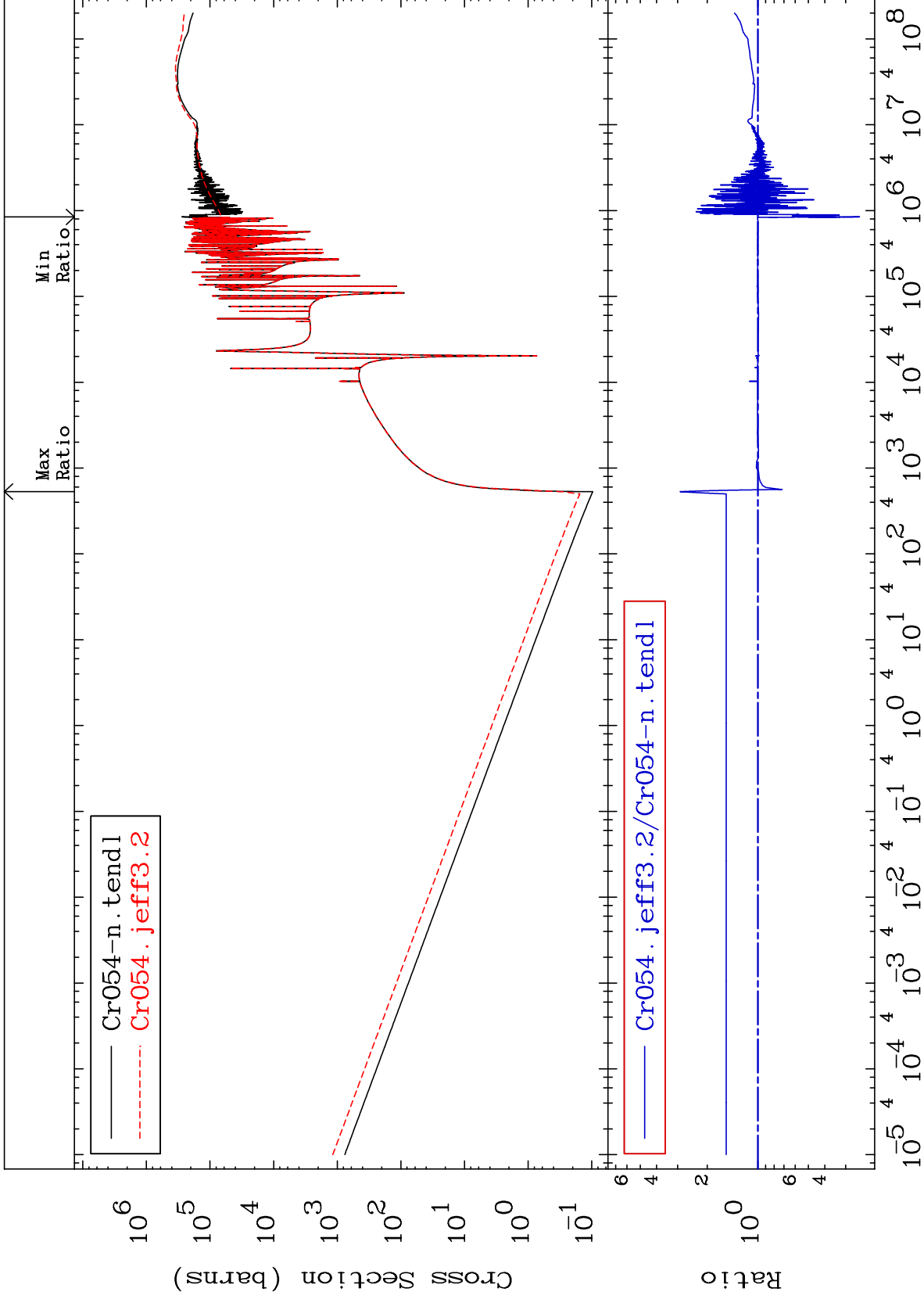
²⁴Cr-54
-88.81 To 257.0 %

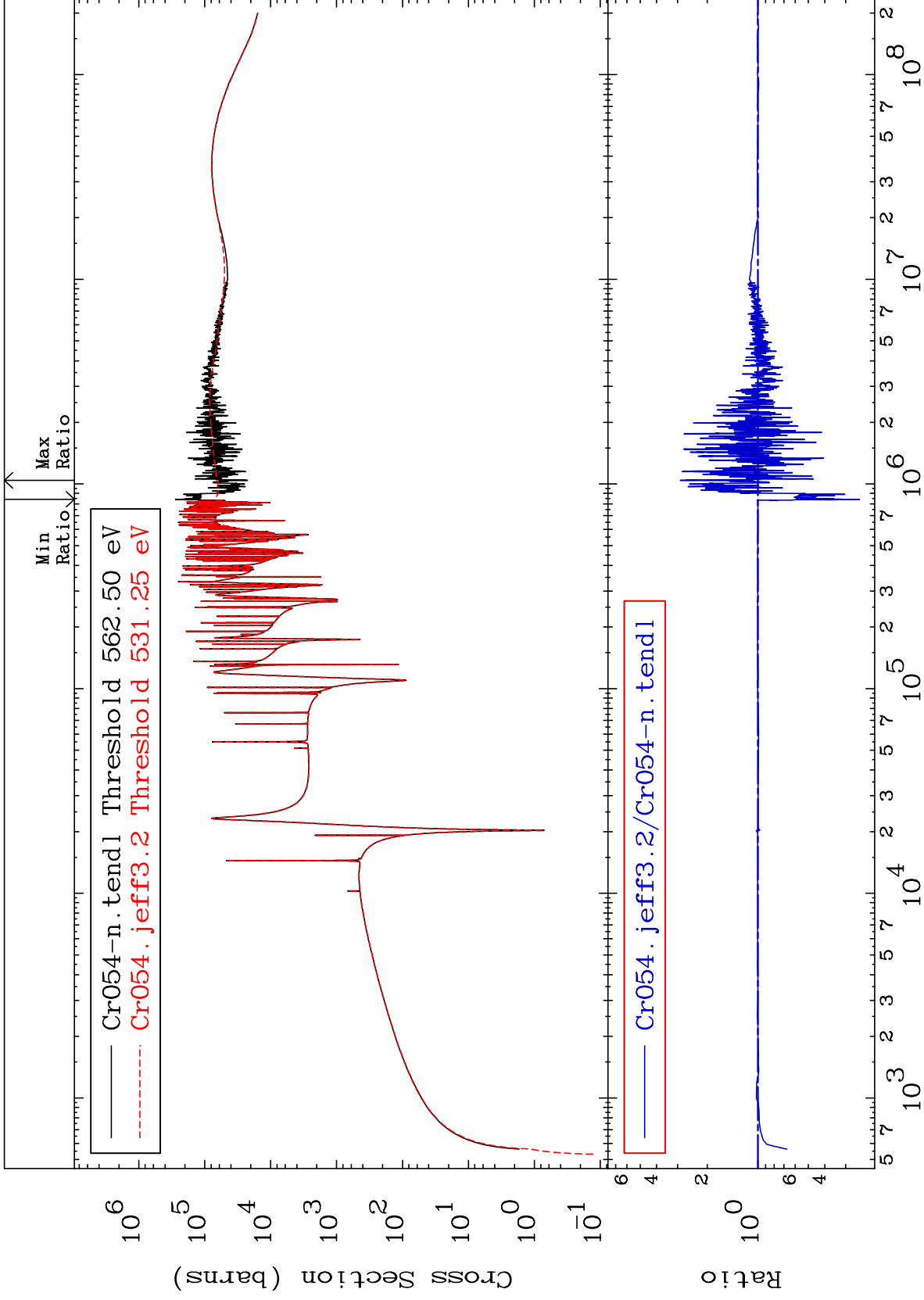


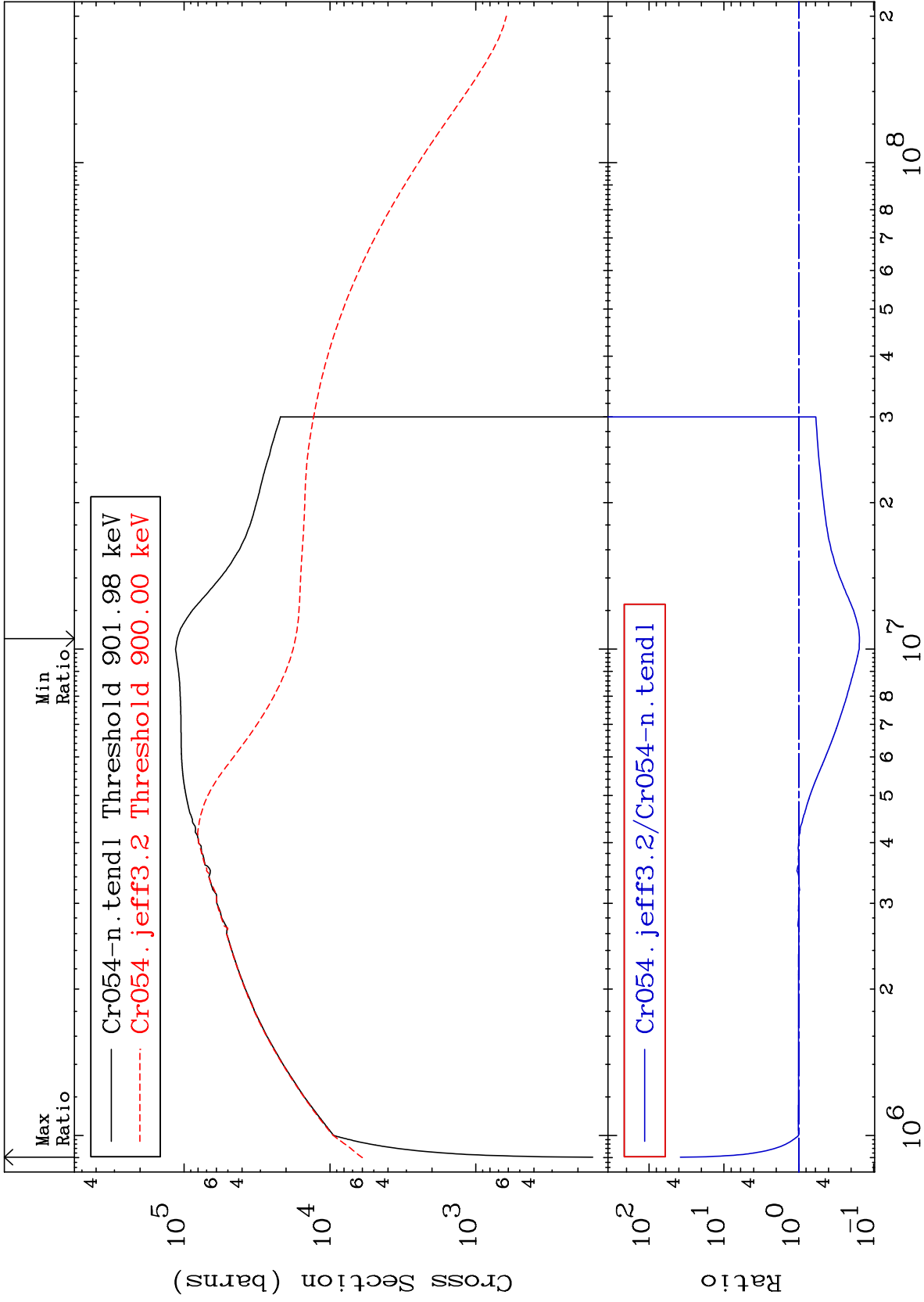
38

Incident Energy (eV)

²⁴Cr-54







MAT 2437

Dpa disappearance (mt102 -120)
Cross Section

24-Cr-54
-100.0 To 9999. %

