

Program Complot
(Version 2018-1)

by

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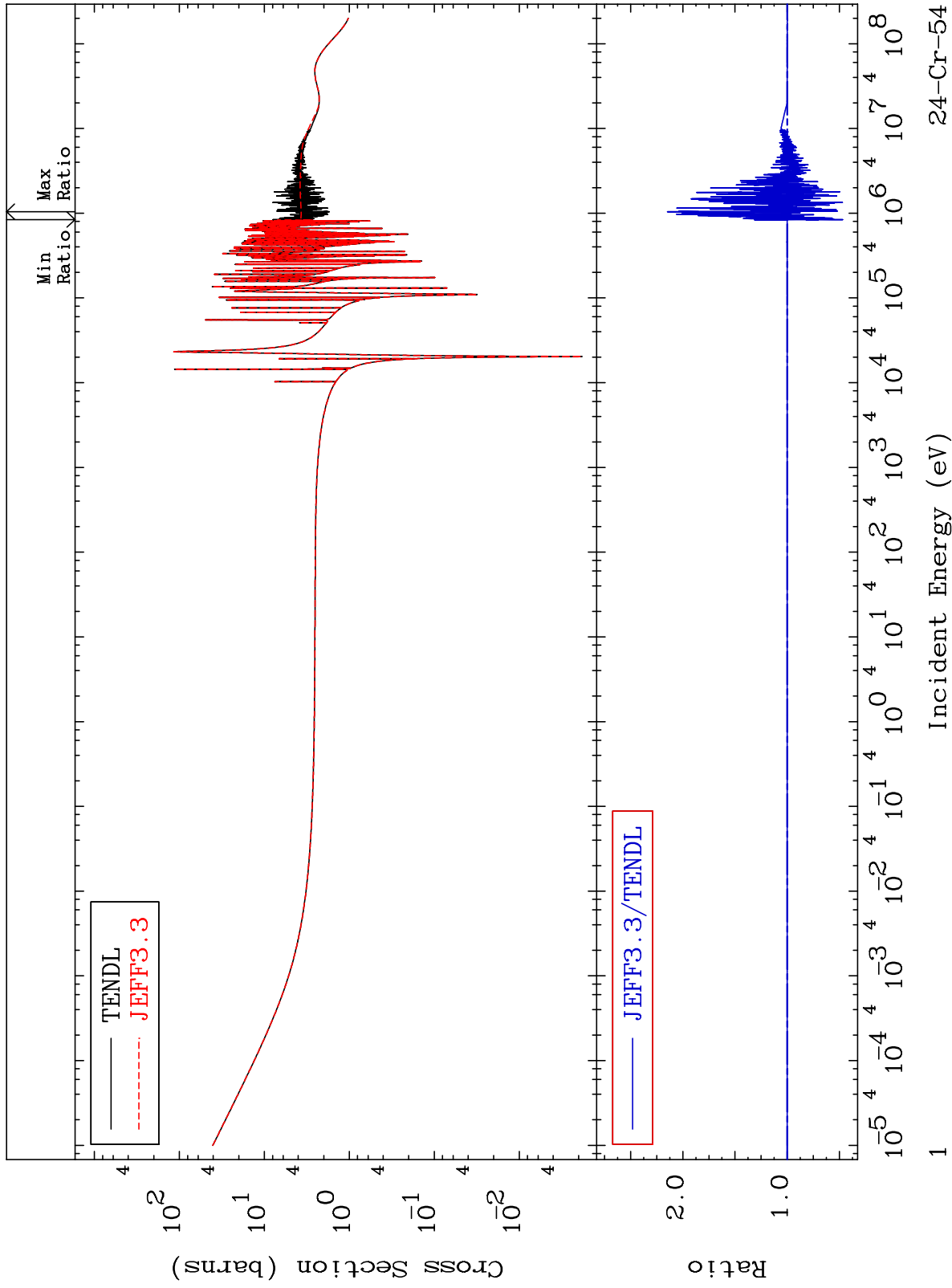
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2437

Total
Cross Section

24-Cr-54
-53.15 To 114.6 %

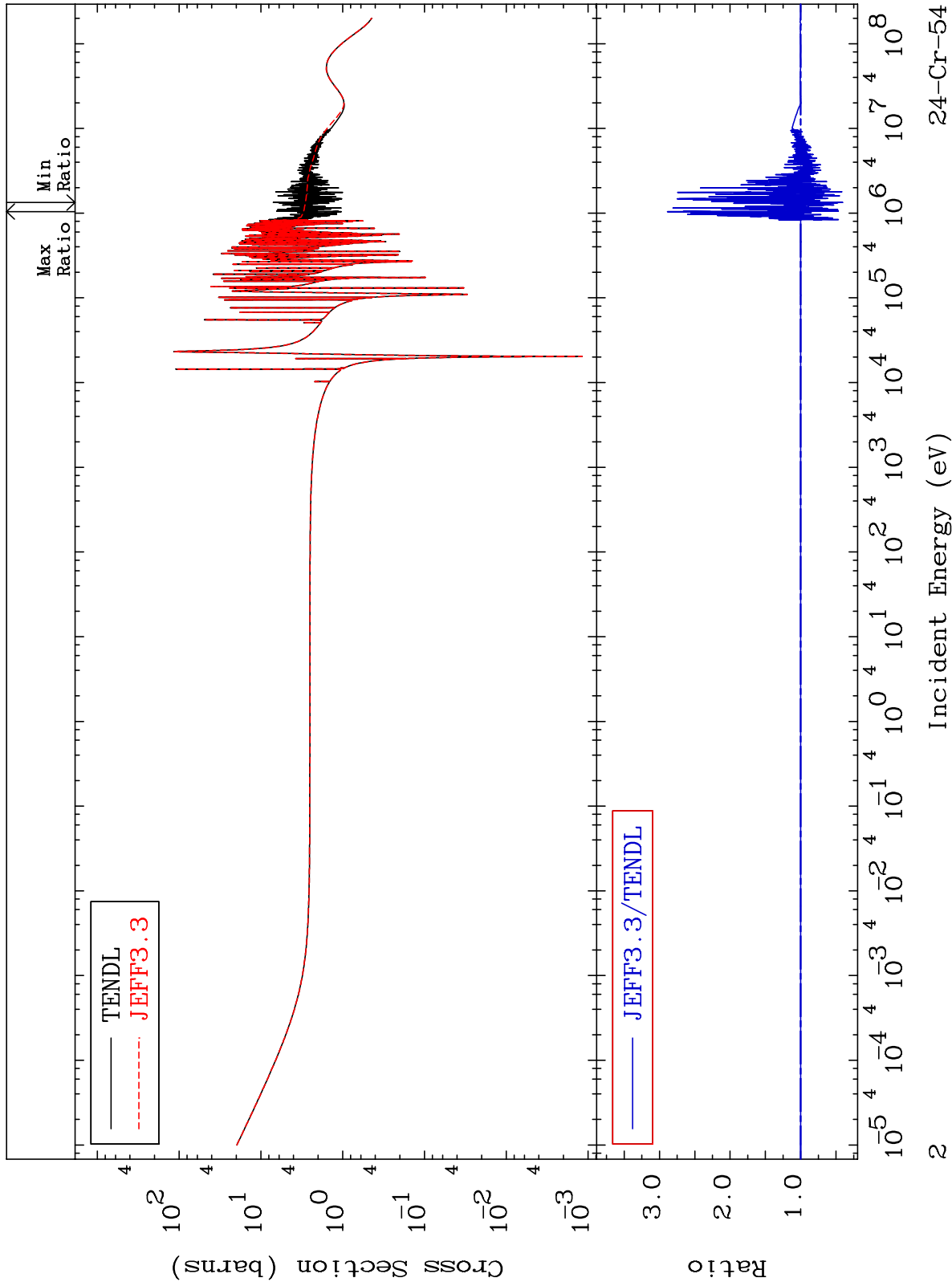


24-Cr-54

MAT 2437

Elastic
Cross Section

24-Cr-54
-59.41 To 188.6 %



24-Cr-54

Incident Energy (eV)

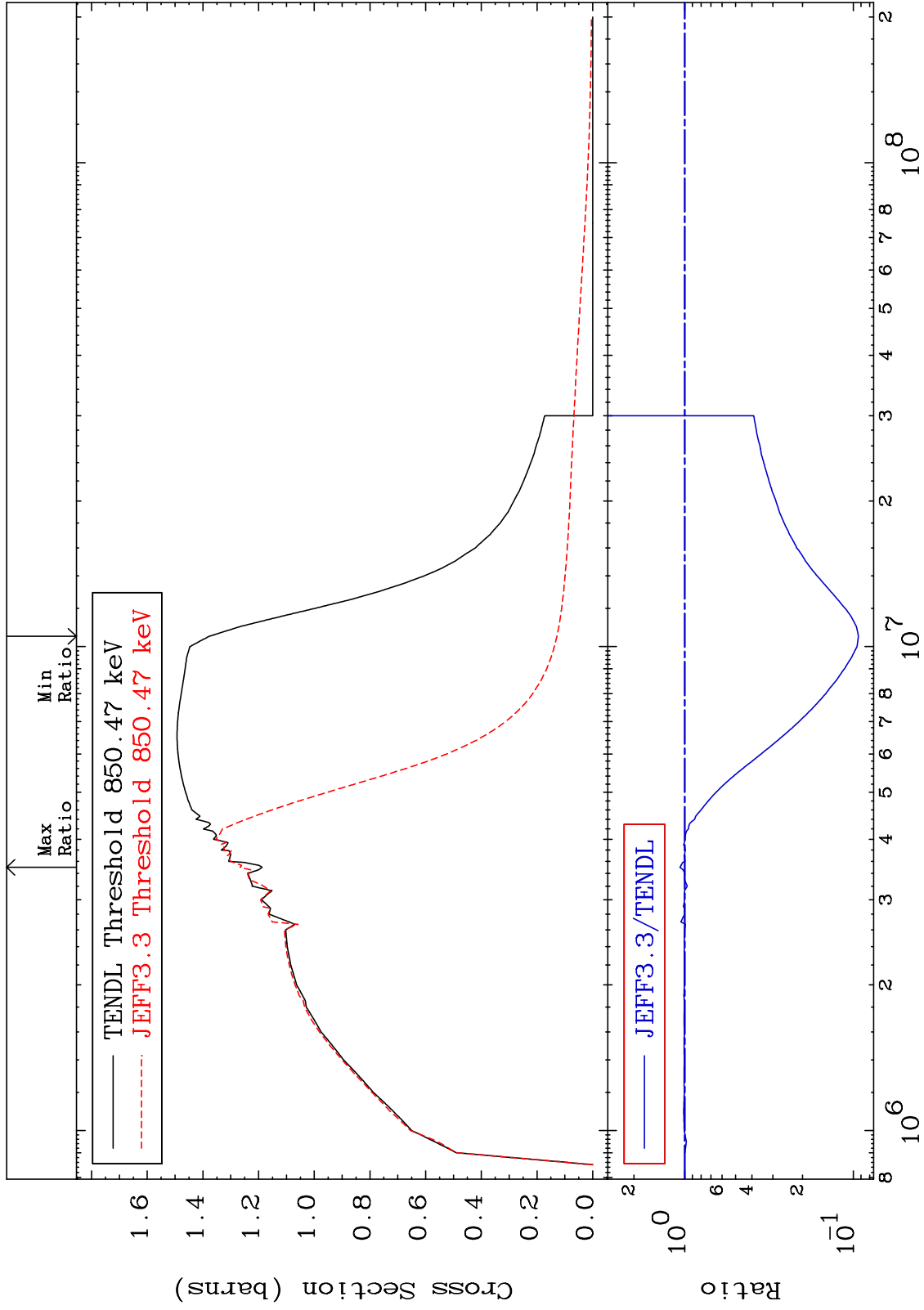
2

MAT 2437

Inelastic
Cross Section

24-Cr-54

-90.67 To 6.685 %



Incident Energy (eV)

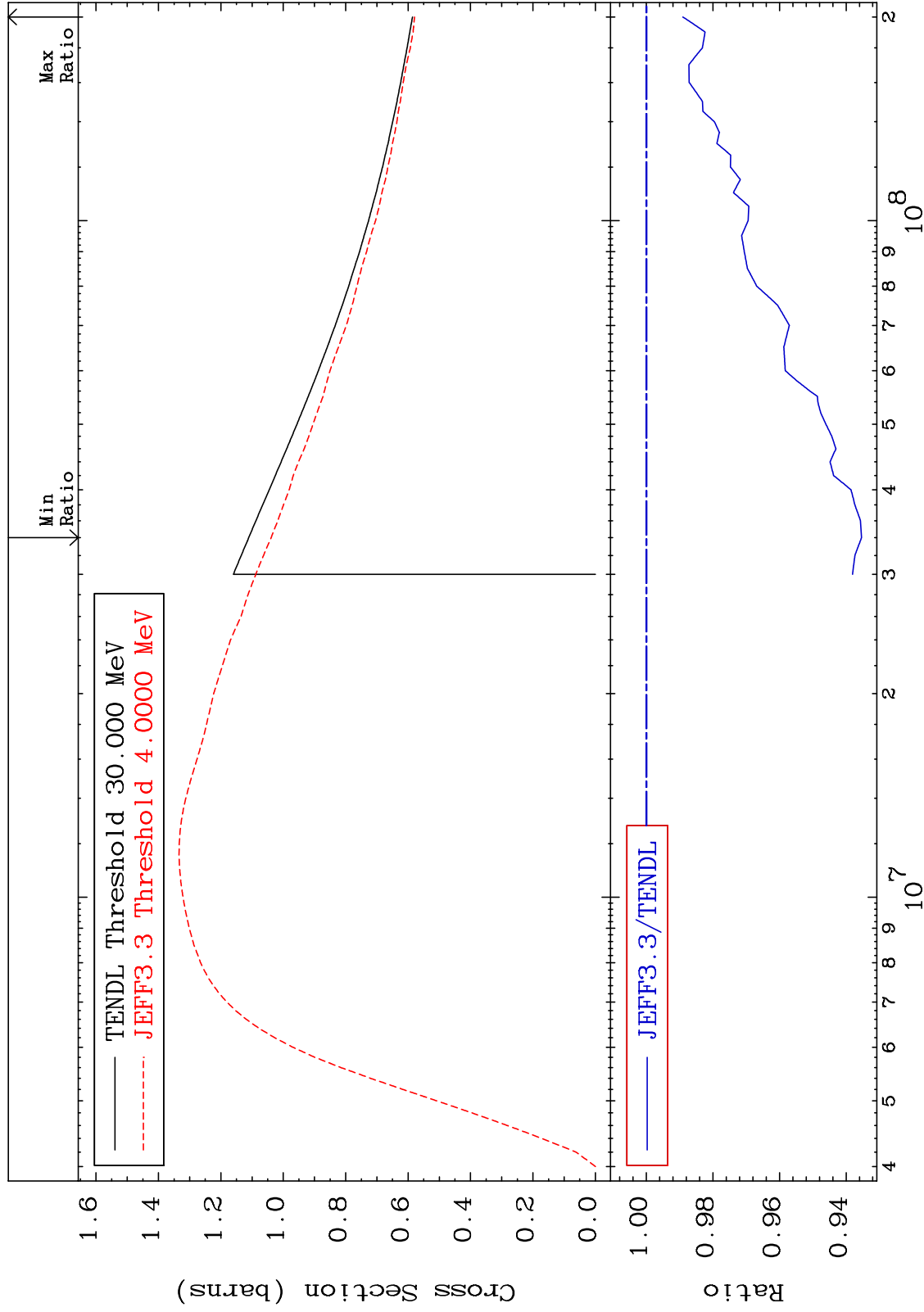
24-Cr-54

3

MAT 2437

(n, remainder)
Cross Section

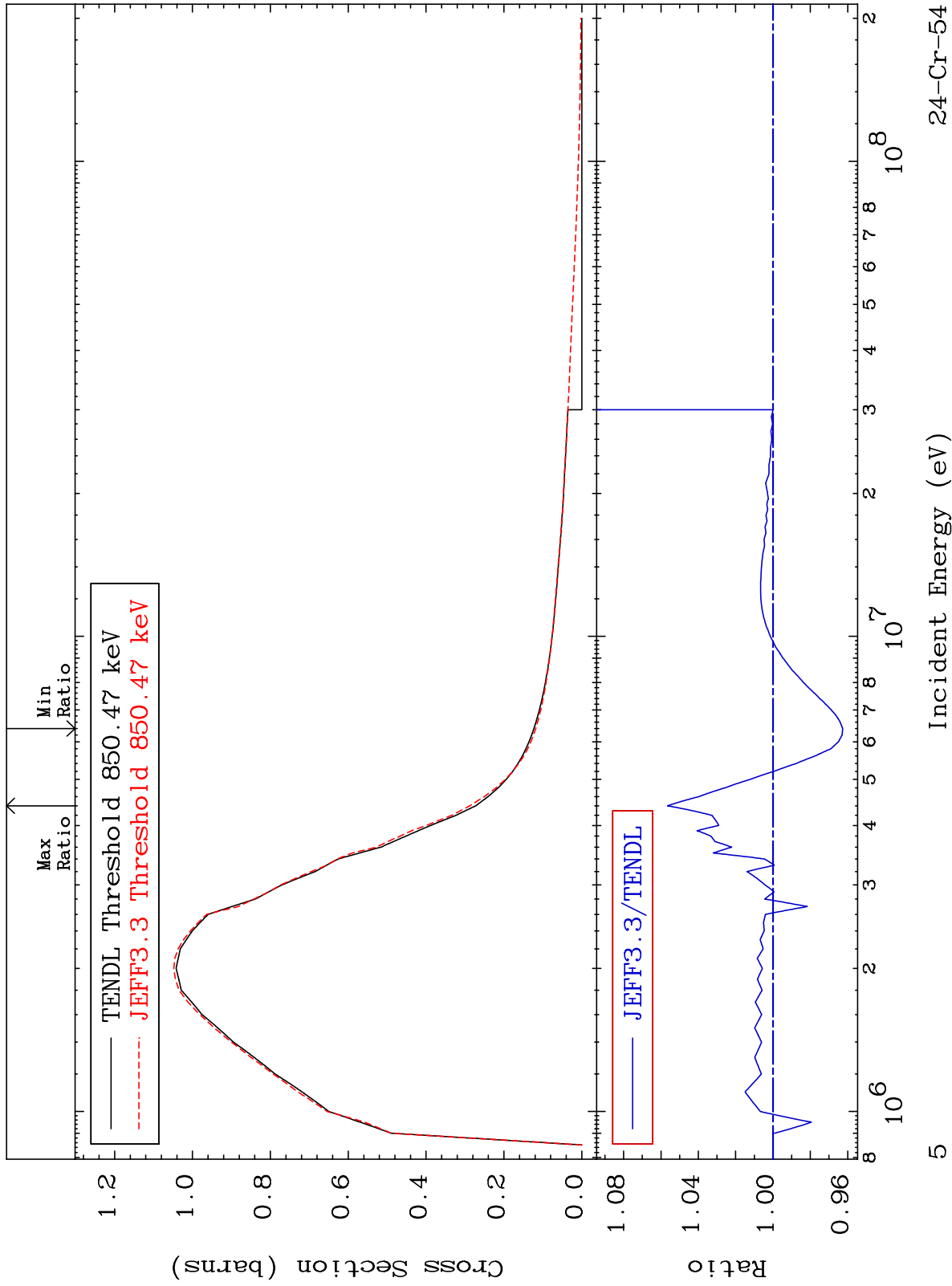
24-Cr-54
-6.464 To -1.096%



MAT 2437

MT= 51 (n,n') Level
Cross Section

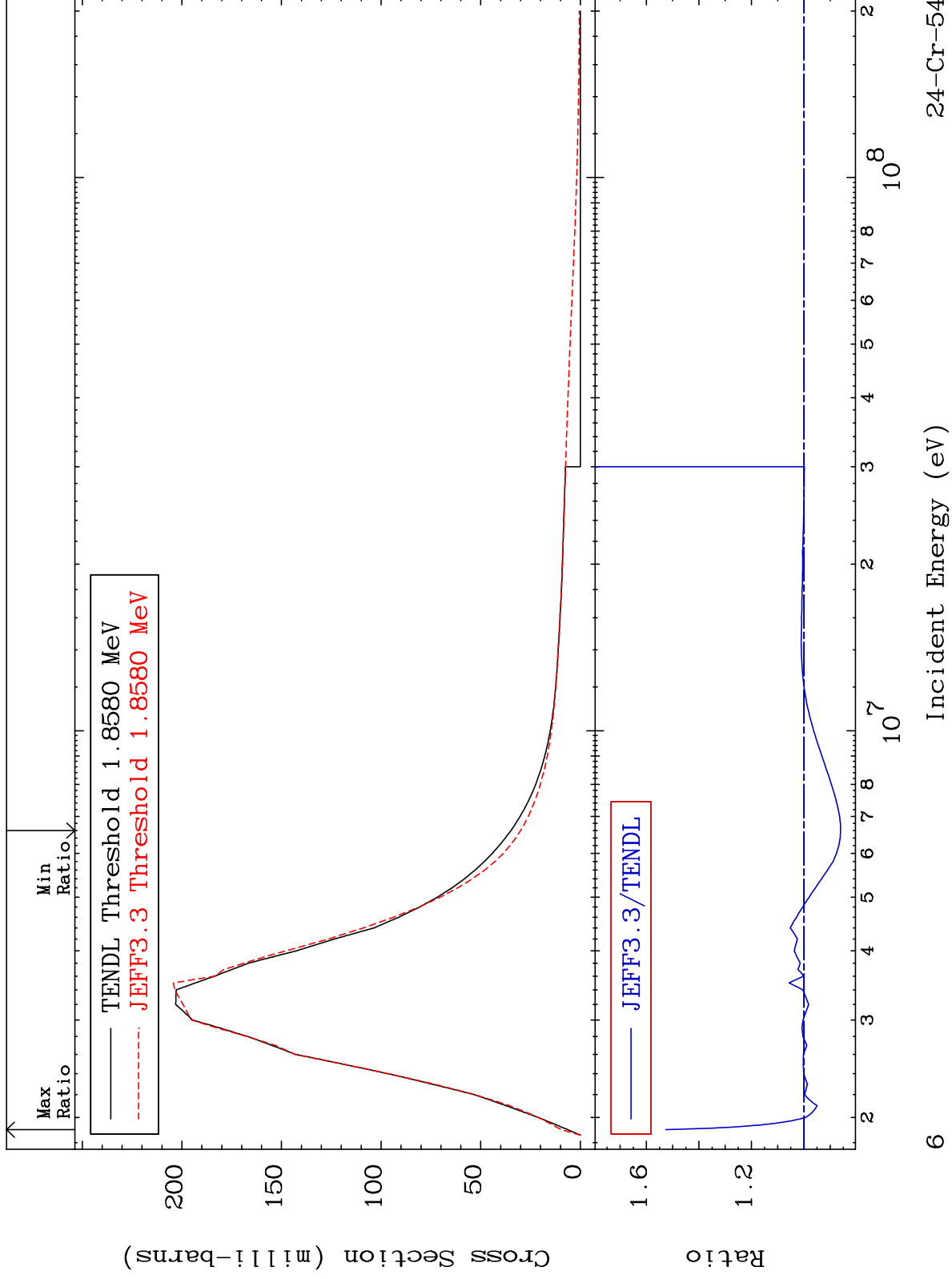
24-Cr-54
-3.732 To 5.648 %



MAT 2437

MT= 52 (n,n') Level
Cross Section

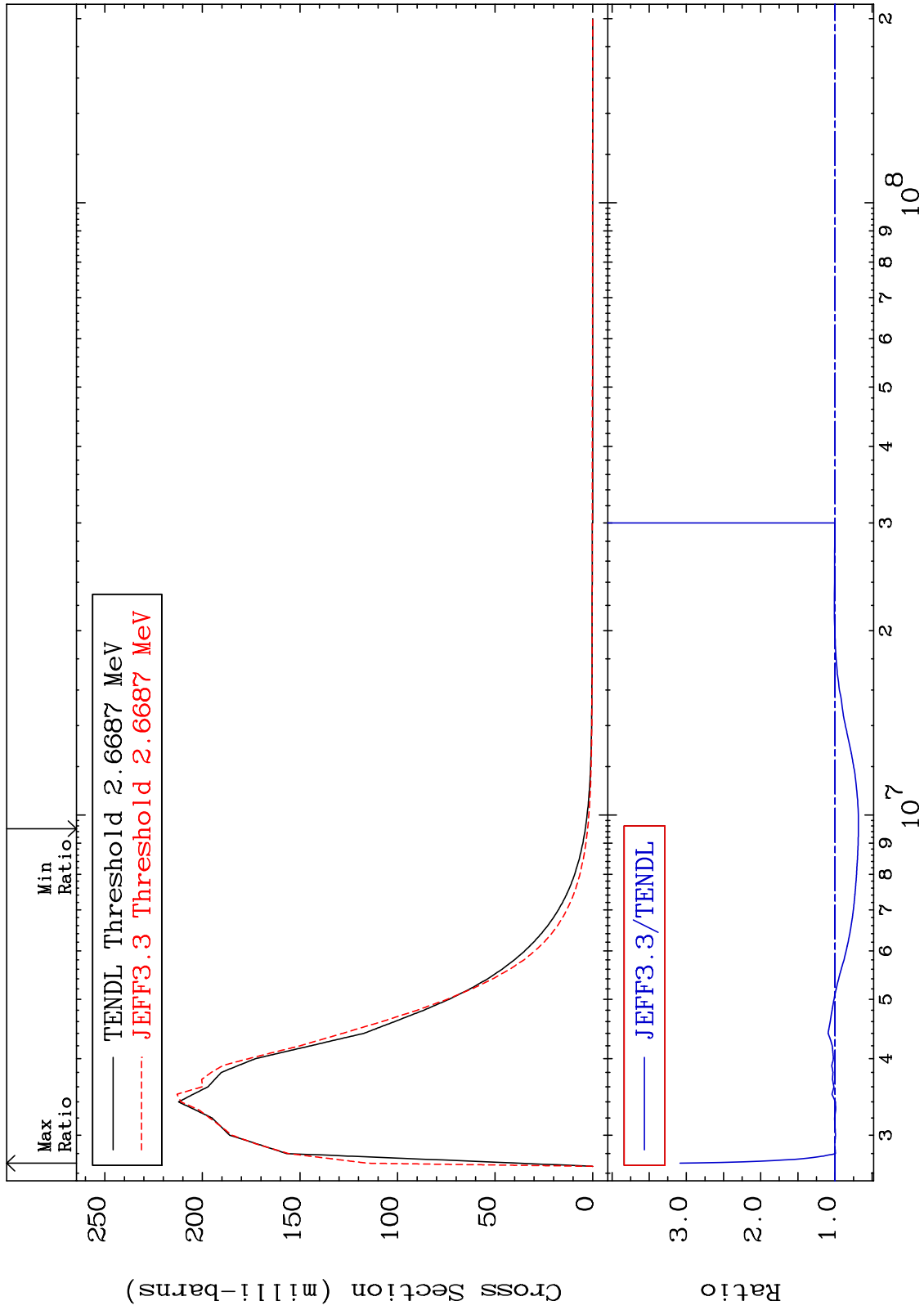
24-Cr-54
-13.95 To 52.59 %



MAT 2437

MT= 53 (n,n') Level
Cross Section

24-Cr-54
-31.49 To 208.5 %



7

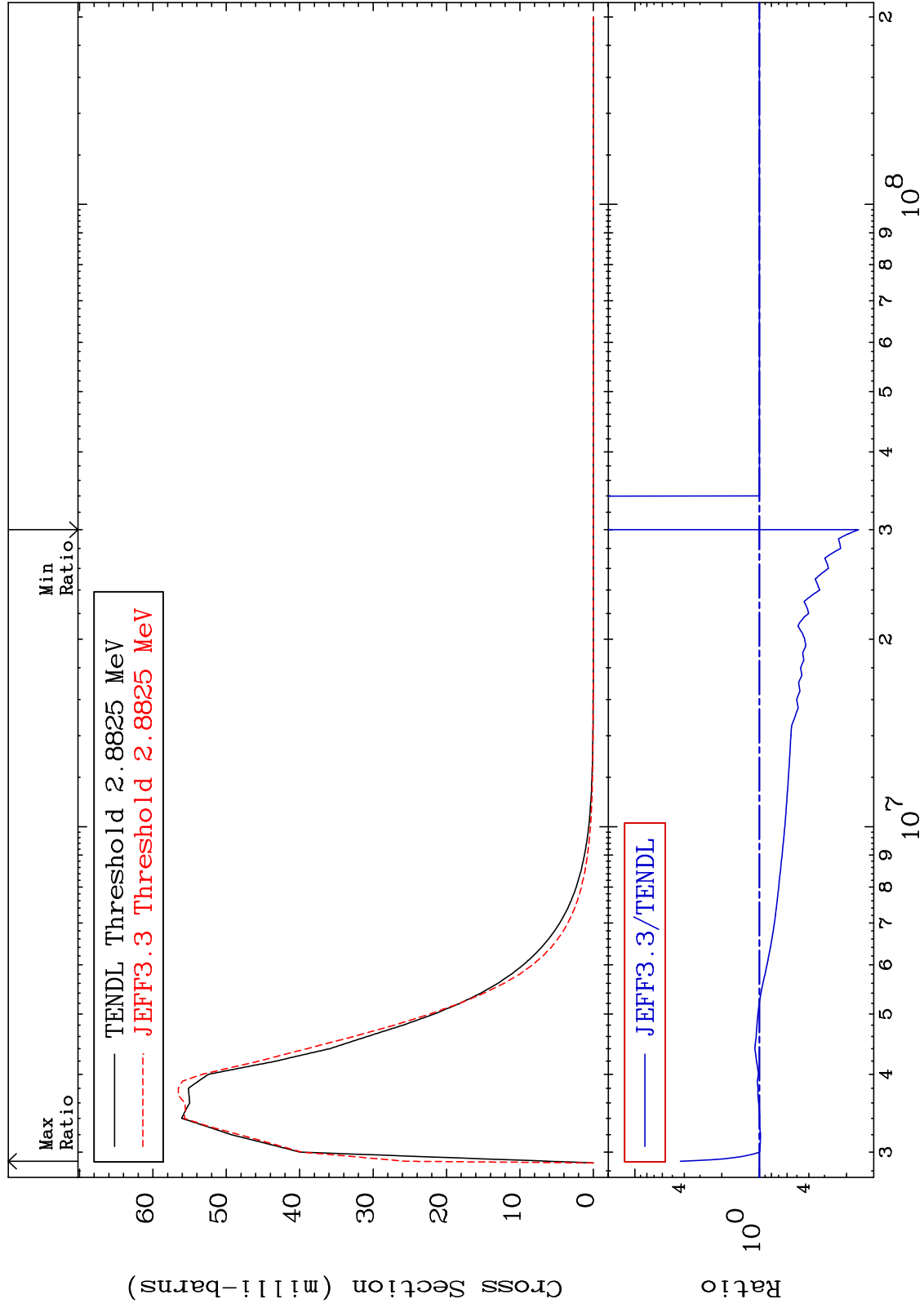
Incident Energy (eV)

24-Cr-54

MAT 2437

MT= 54 (n, n') Level
Cross Section

24-Cr-54
-84.01 To 329.8 %



8

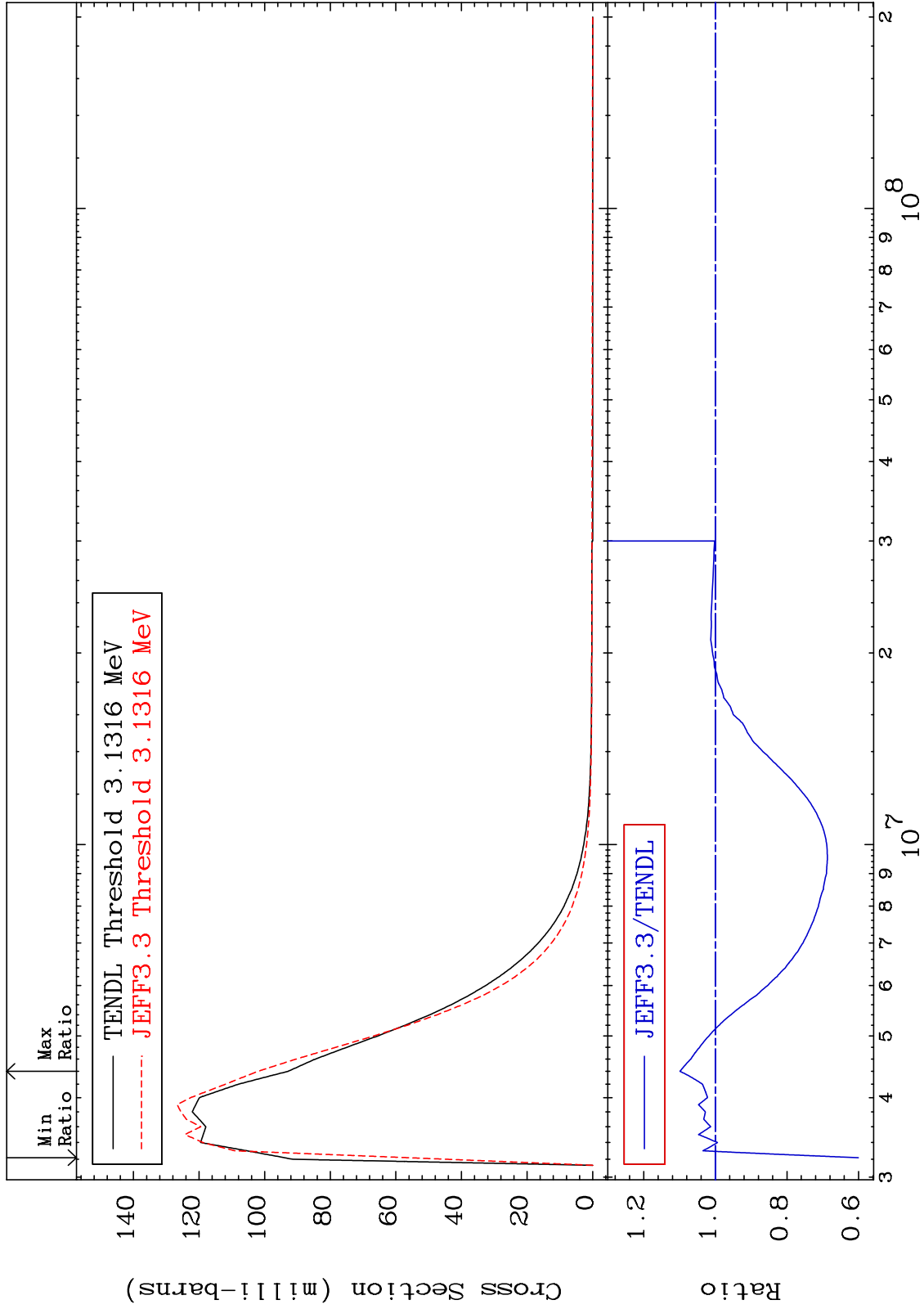
Incident Energy (eV)

24-Cr-54

MAT 2437

MT= 55 (n,n') Level
Cross Section

24-Cr-54
-39.95 To 9.892 %



9

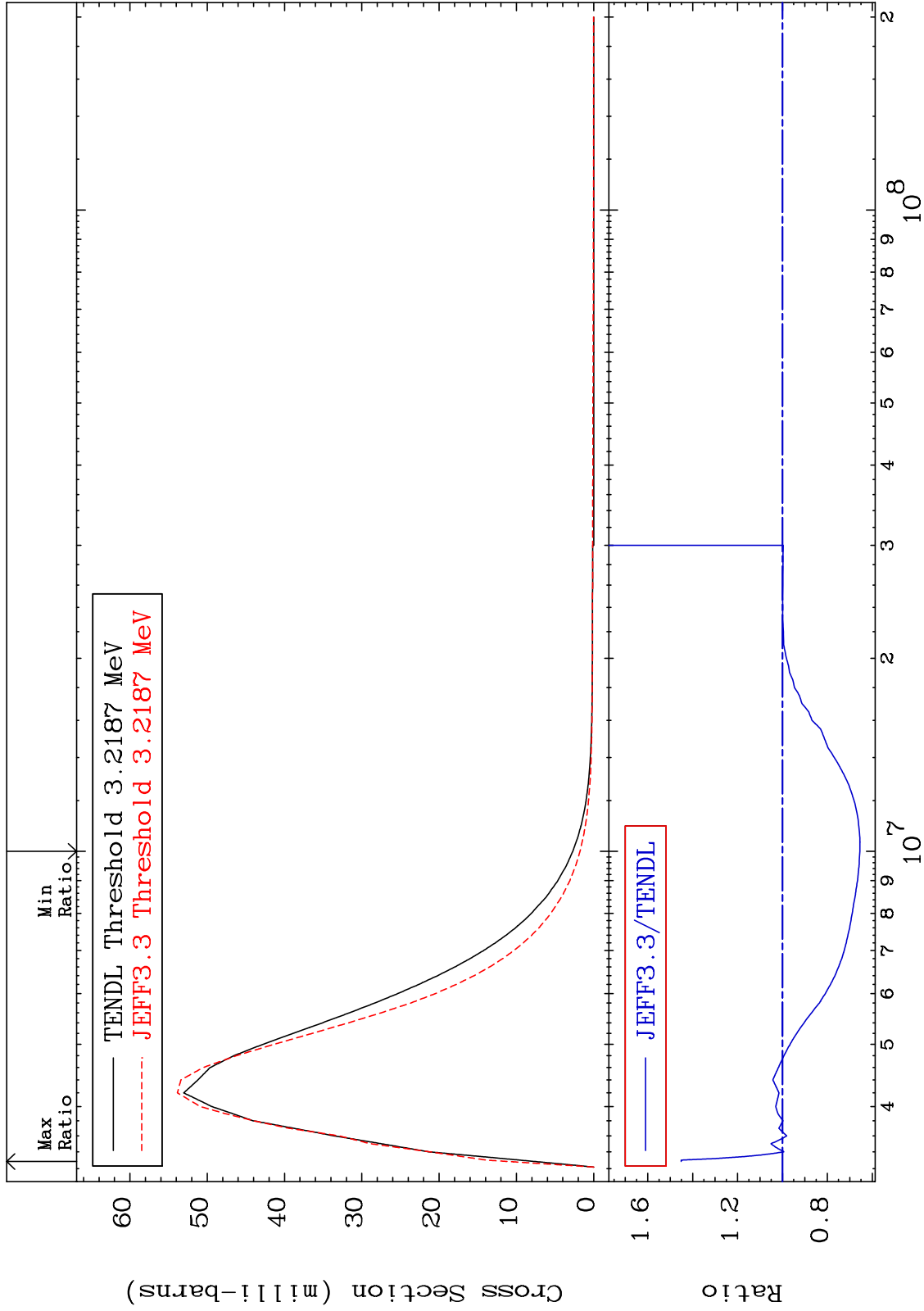
24-Cr-54

Incident Energy (eV)

MAT 2437

MT= 56 (n,n') Level
Cross Section

24-Cr-54
-34.51 To 45.10 %



10

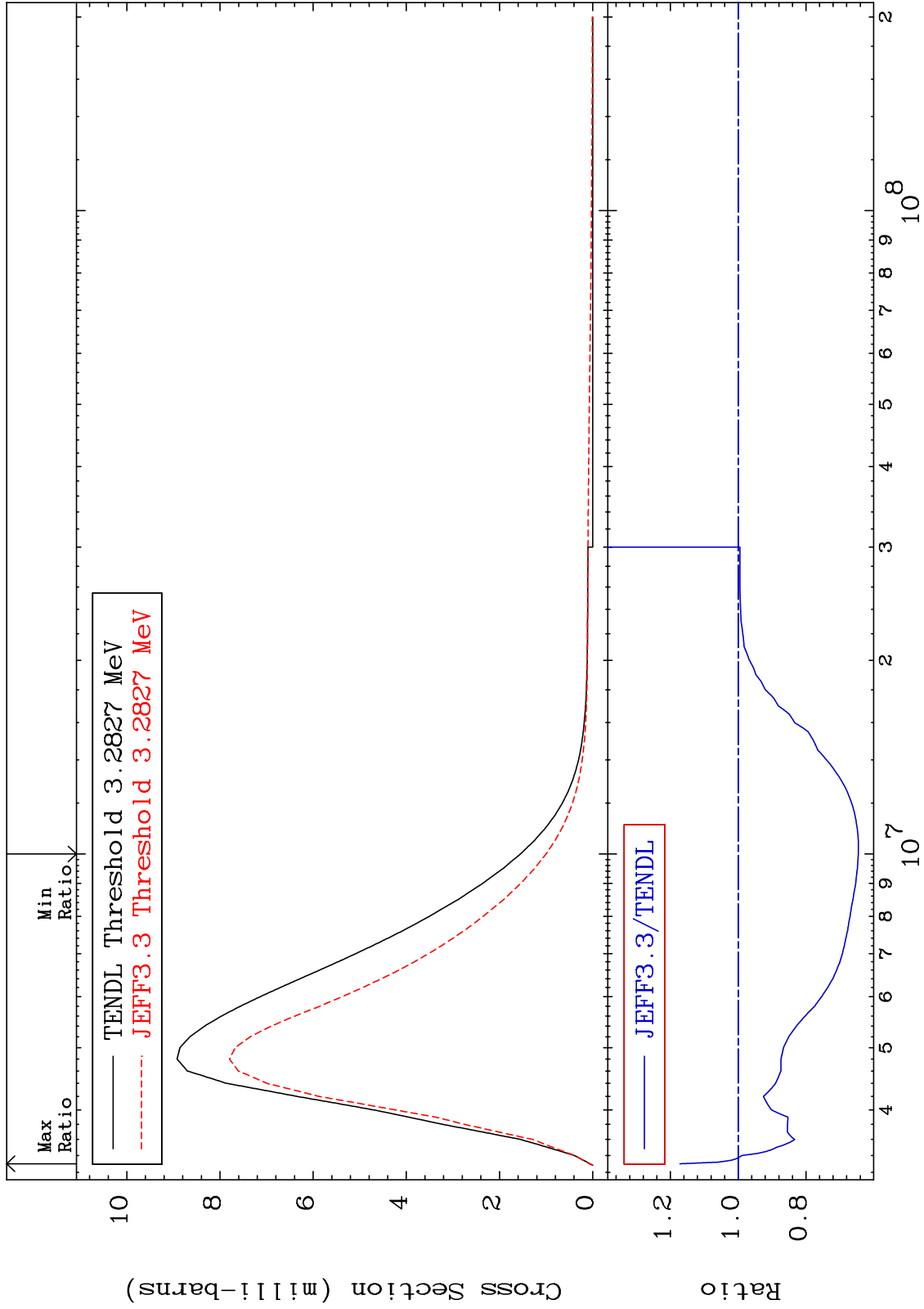
Incident Energy (eV)

24-Cr-54

MAT 2437

MT= 57 (n,n') Level
Cross Section

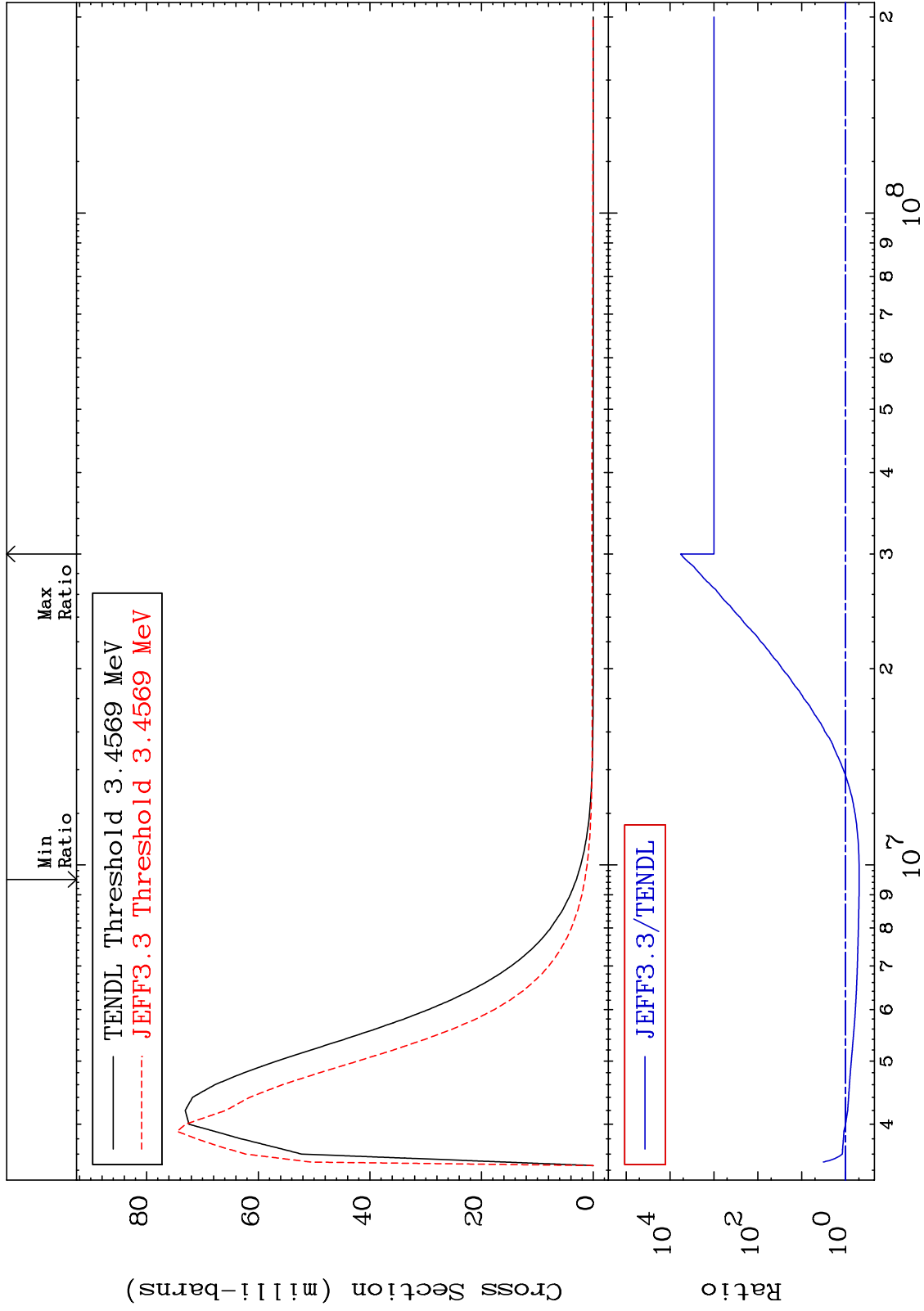
24-Cr-54
-35.46 To 17.15 %



MAT 2437

MT= 58 (n, n') Level
Cross Section

24-Cr-54
-50.70 To 9999. %



12

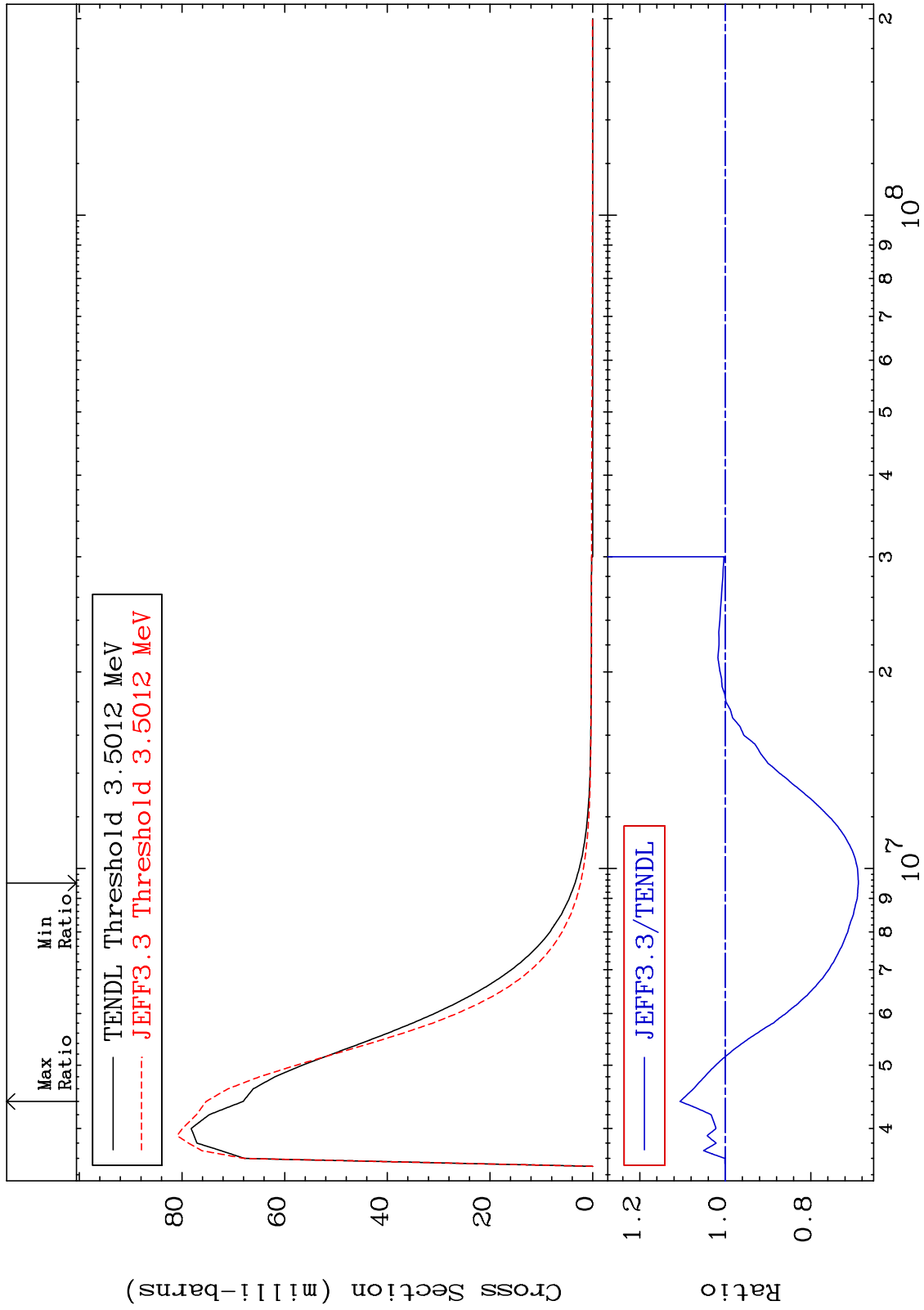
Incident Energy (eV)

24-Cr-54

MAT 2437

MT= 59 (n, n') Level
Cross Section

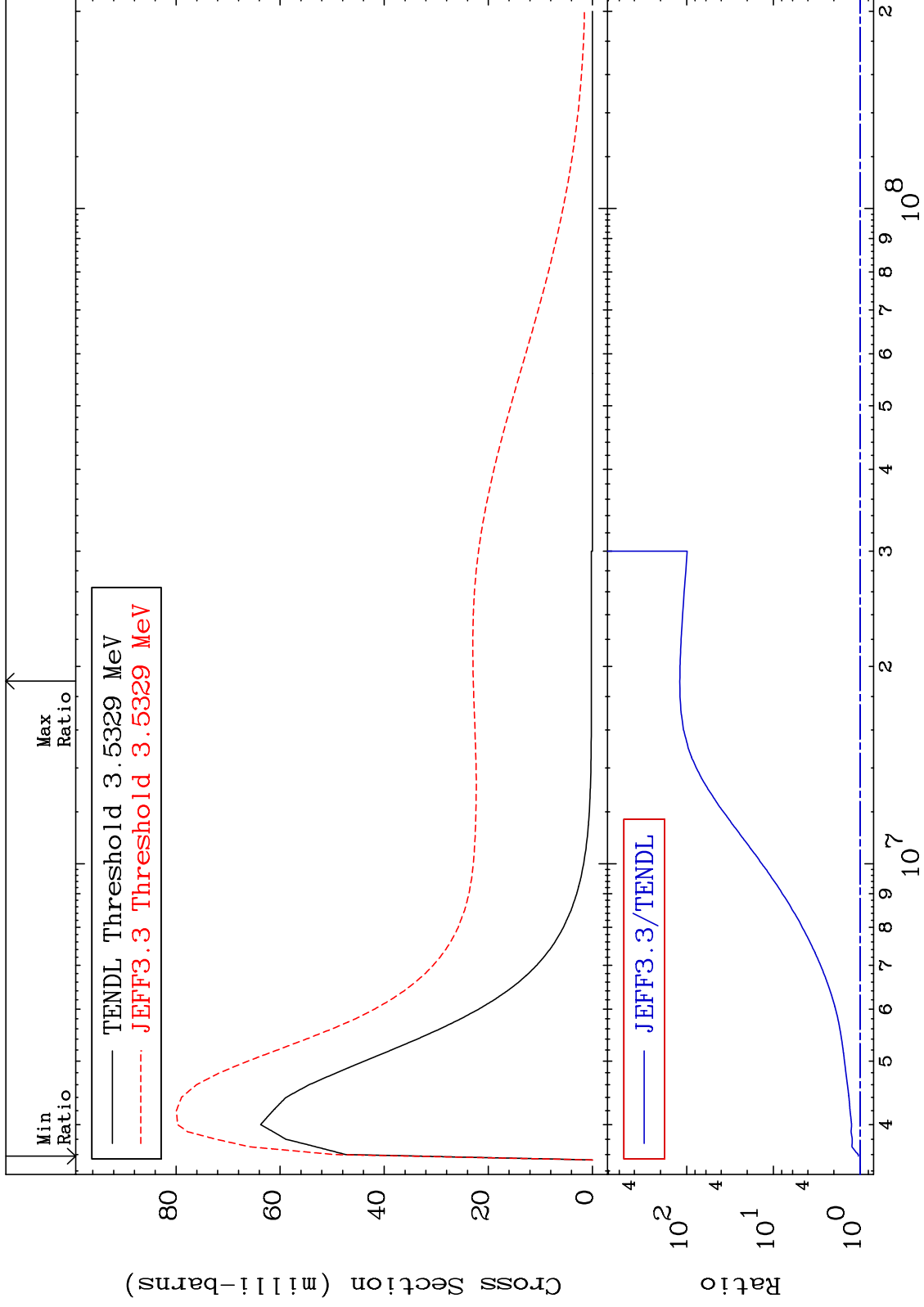
24-Cr-54
-31.14 To 10.59 %



MAT 2437

MT= 60 (n,n') Level
Cross Section

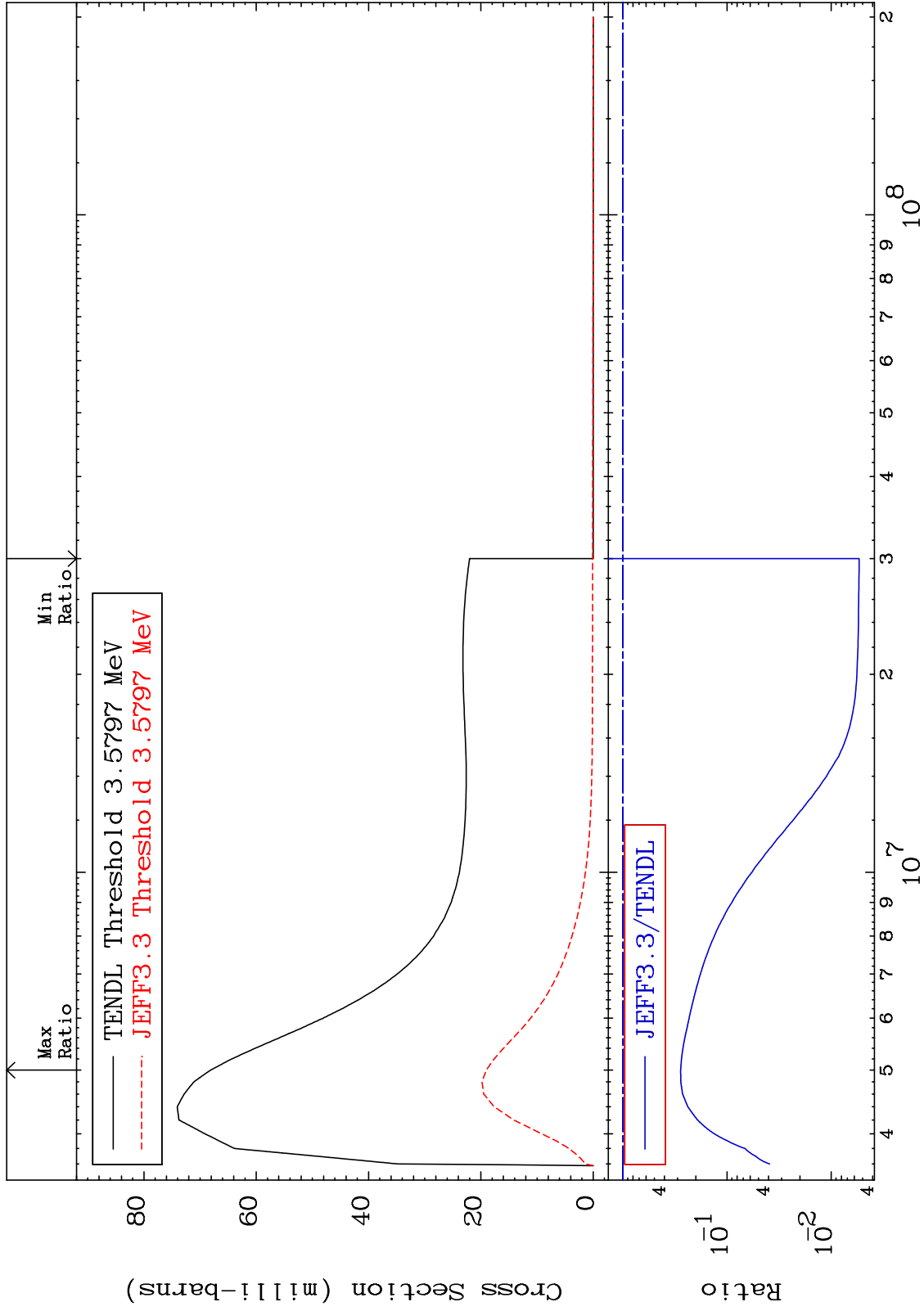
24-Cr-54
4.502 To 9999. %



MAT 2437

MT= 61 (n,n') Level
Cross Section

24-Cr-54
-99.46 To -72.06%



15

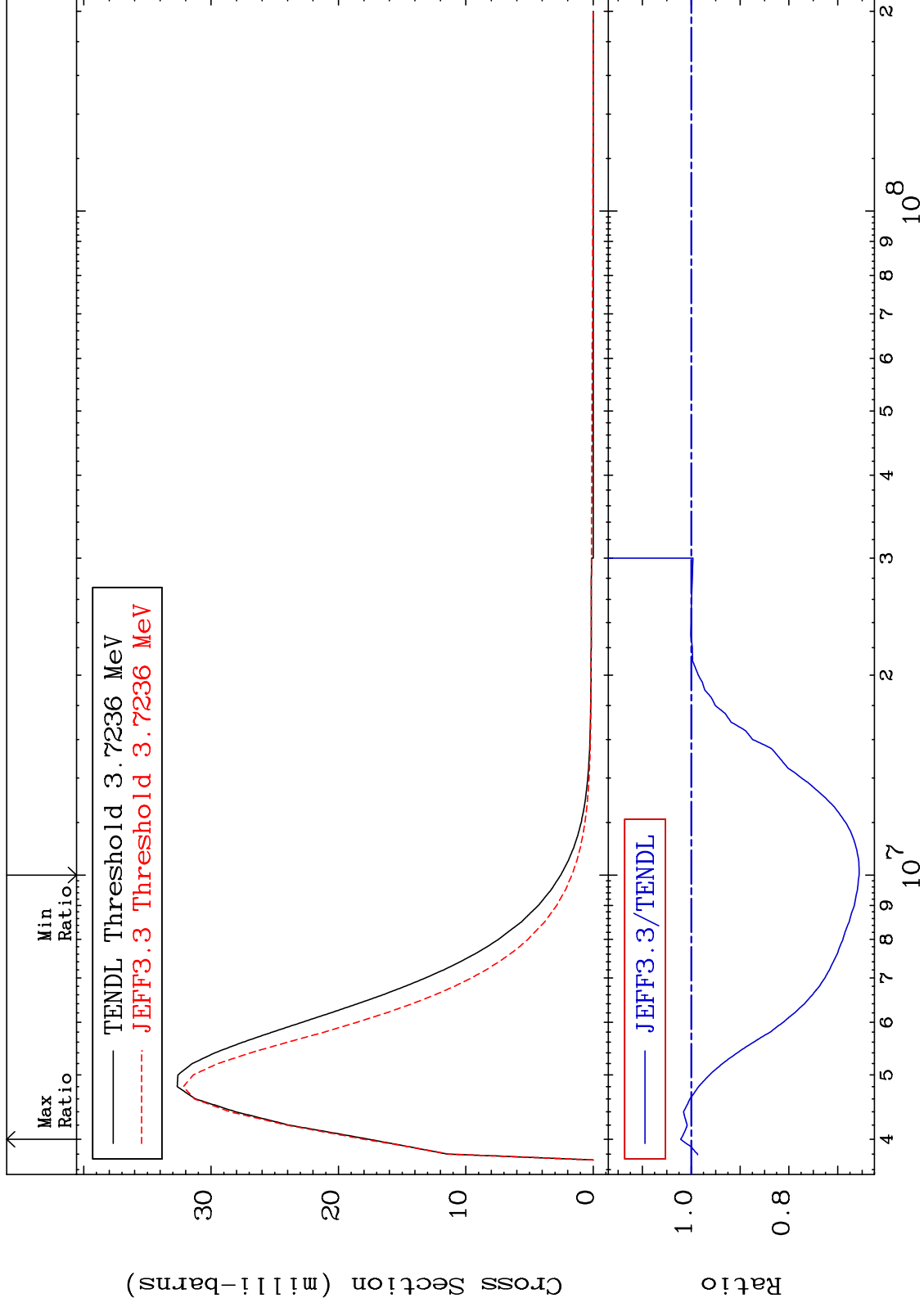
24-Cr-54

24-Cr-54

MAT 2437

MT= 62 (n,n') Level
Cross Section

24-Cr-54
-34.39 To 2.182 %



16

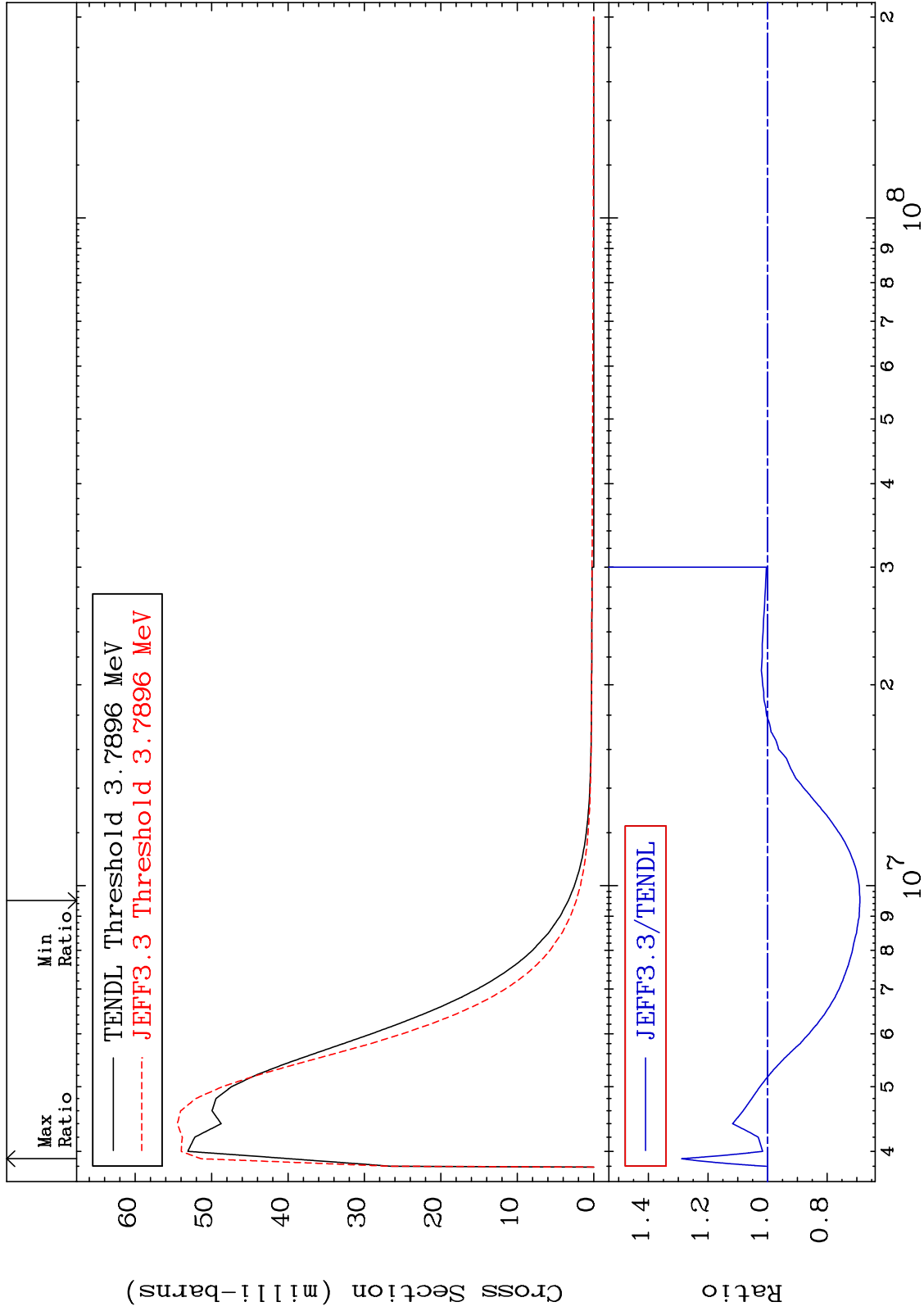
Incident Energy (eV)

24-Cr-54

MAT 2437

MT= 63 (n,n') Level
Cross Section

24-Cr-54
-31.02 To 29.00 %



17

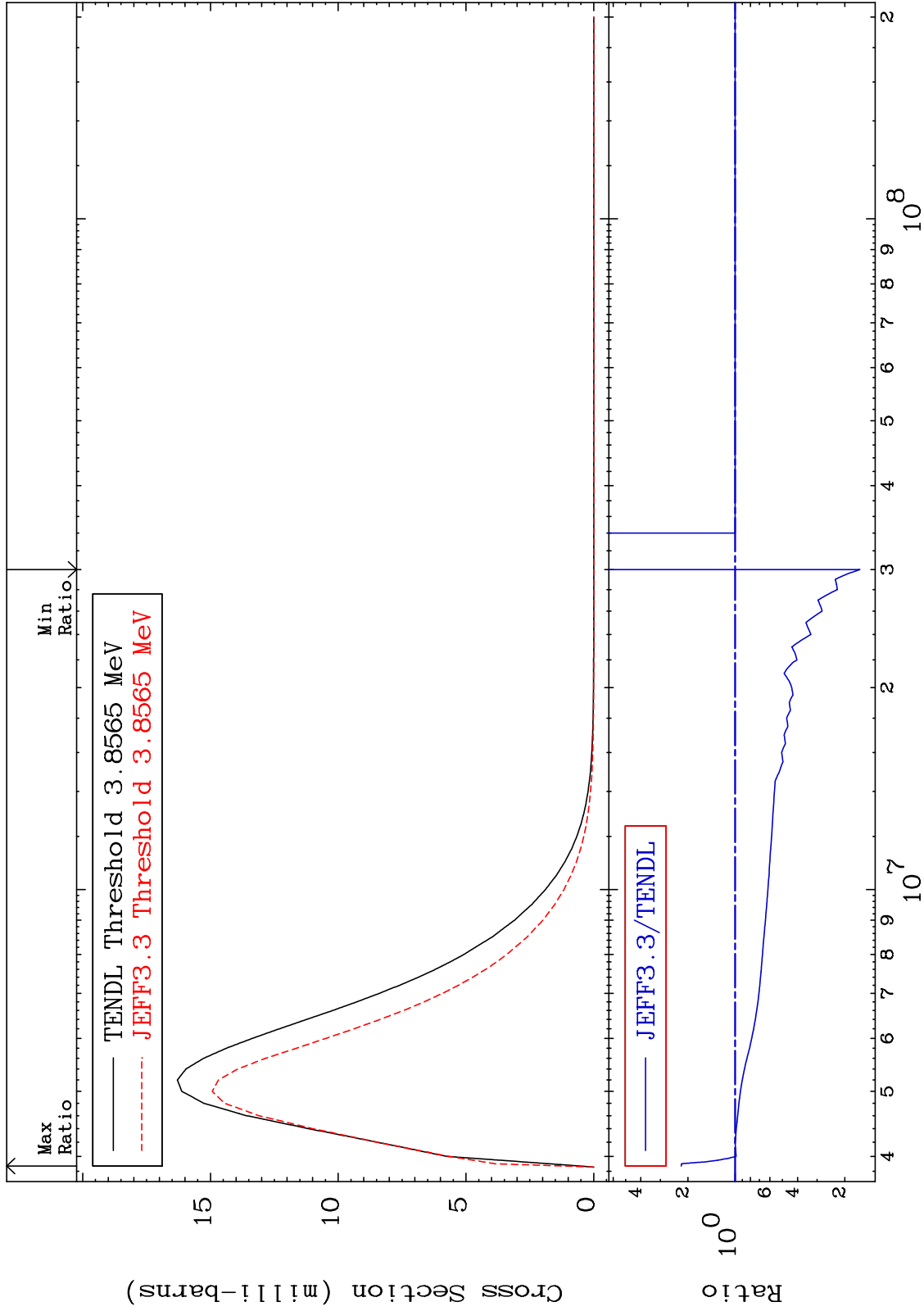
Incident Energy (eV)

24-Cr-54

MAT 2437

MT= 64 (n,n') Level
Cross Section

24-Cr-54
-83.99 To 120.9 %



18

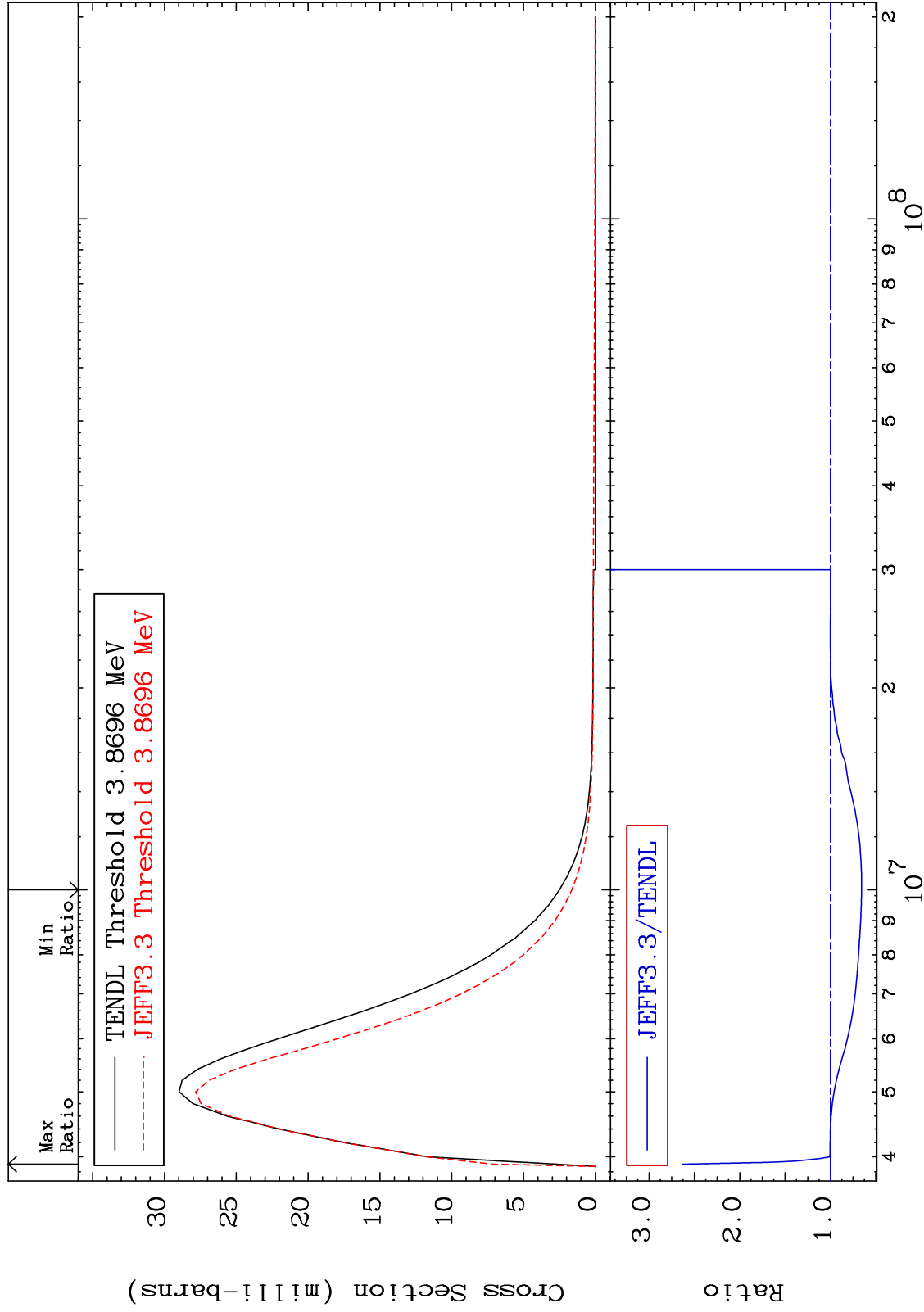
Incident Energy (eV)

24-Cr-54

MAT 2437

MT= 65 (n,n') Level
Cross Section

24-Cr-54
-34.36 To 162.7 %



19

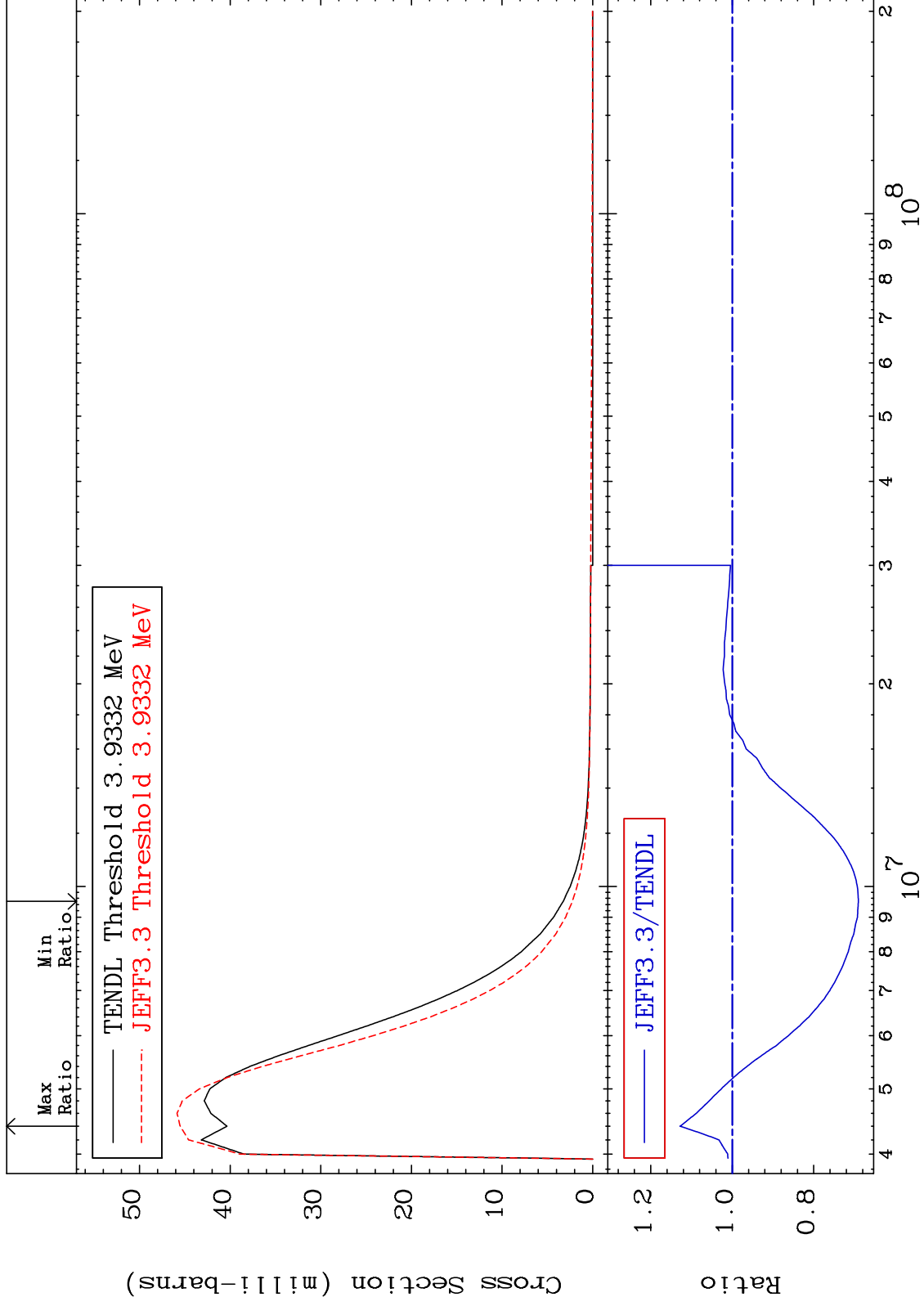
Incident Energy (eV)

24-Cr-54

MAT 2437

MT= 66 (n,n') Level
Cross Section

24-Cr-54
-30.96 To 12.82 %



20

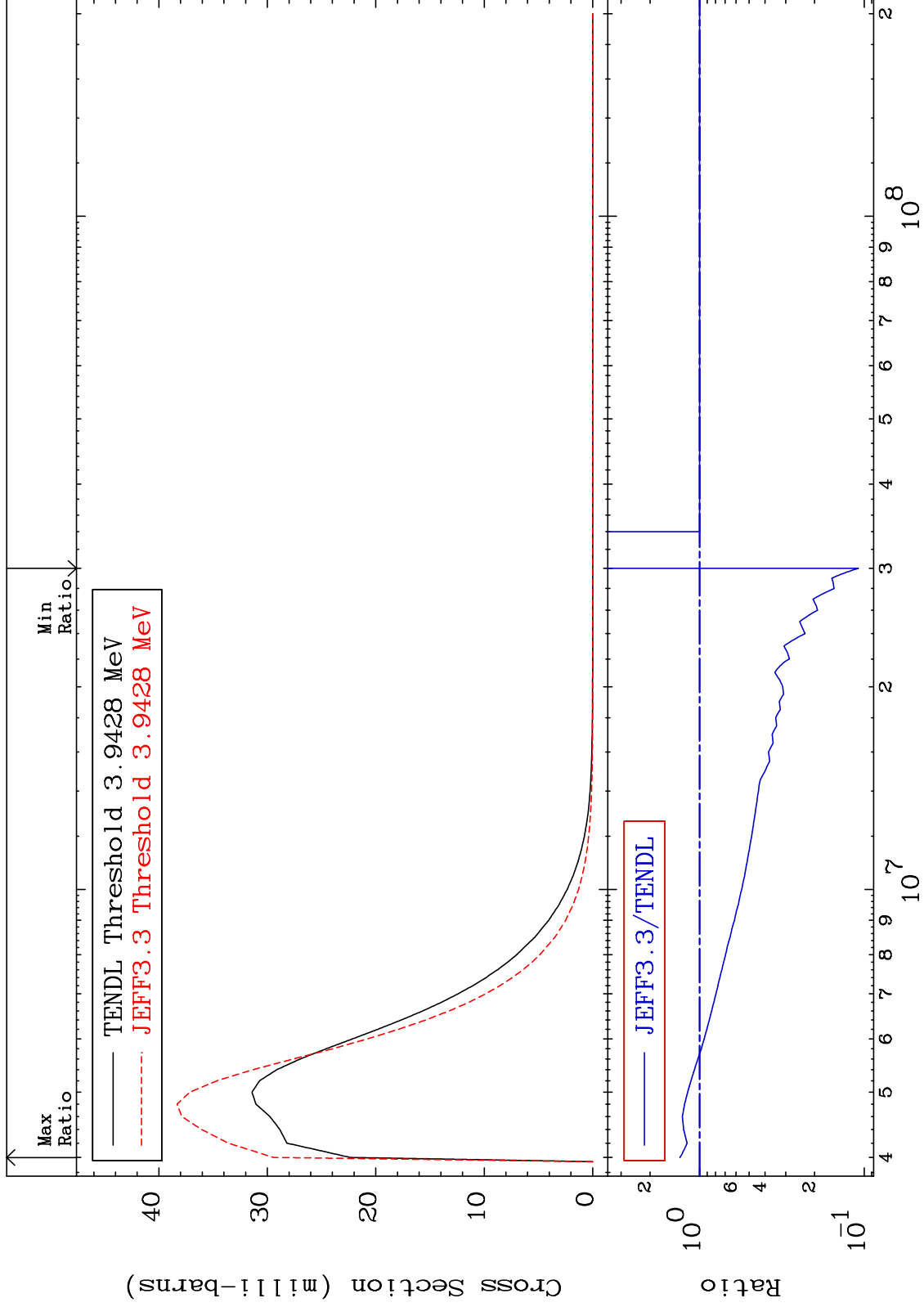
Incident Energy (eV)

24-Cr-54

MAT 2437

MT= 67 (n,n') Level
Cross Section

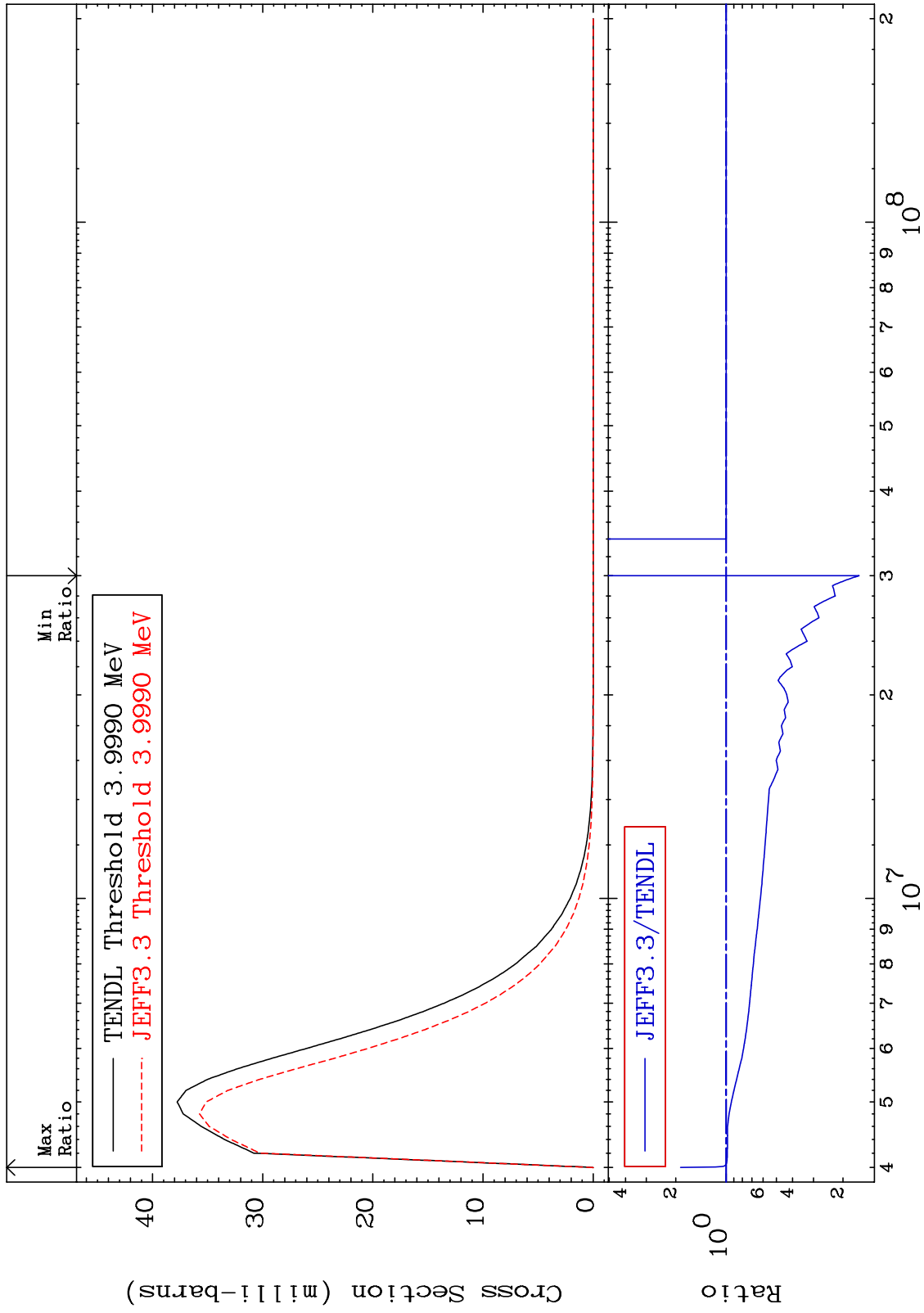
24-Cr-54
-89.16 To 31.53 %



MAT 2437

MT= 68 (n,n') Level
Cross Section

24-Cr-54
-84.01 To 87.10 %



22

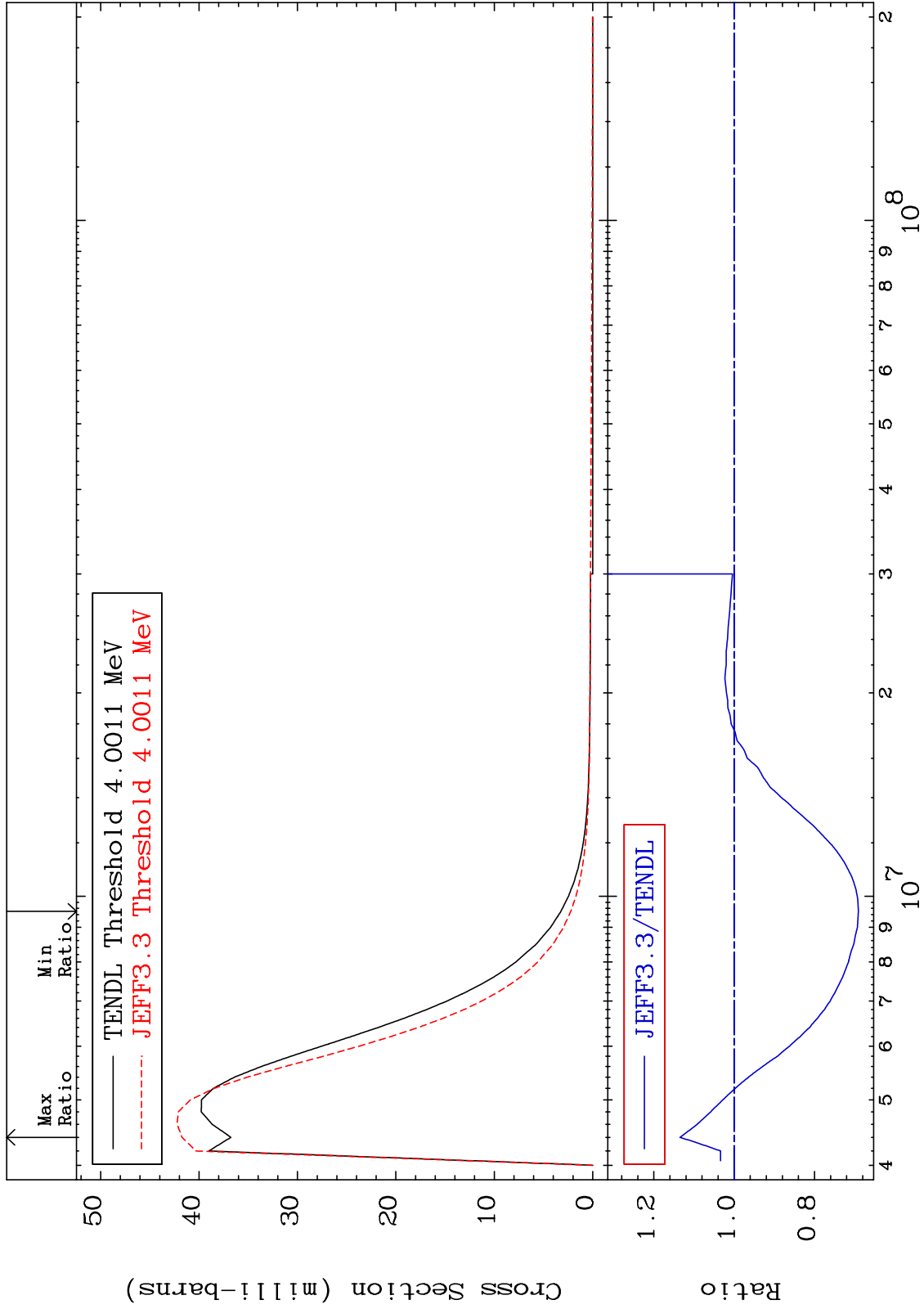
Incident Energy (eV)

24-Cr-54

MAT 2437

MT= 69 (n,n') Level
Cross Section

24-Cr-54
-30.93 To 13.48 %



23

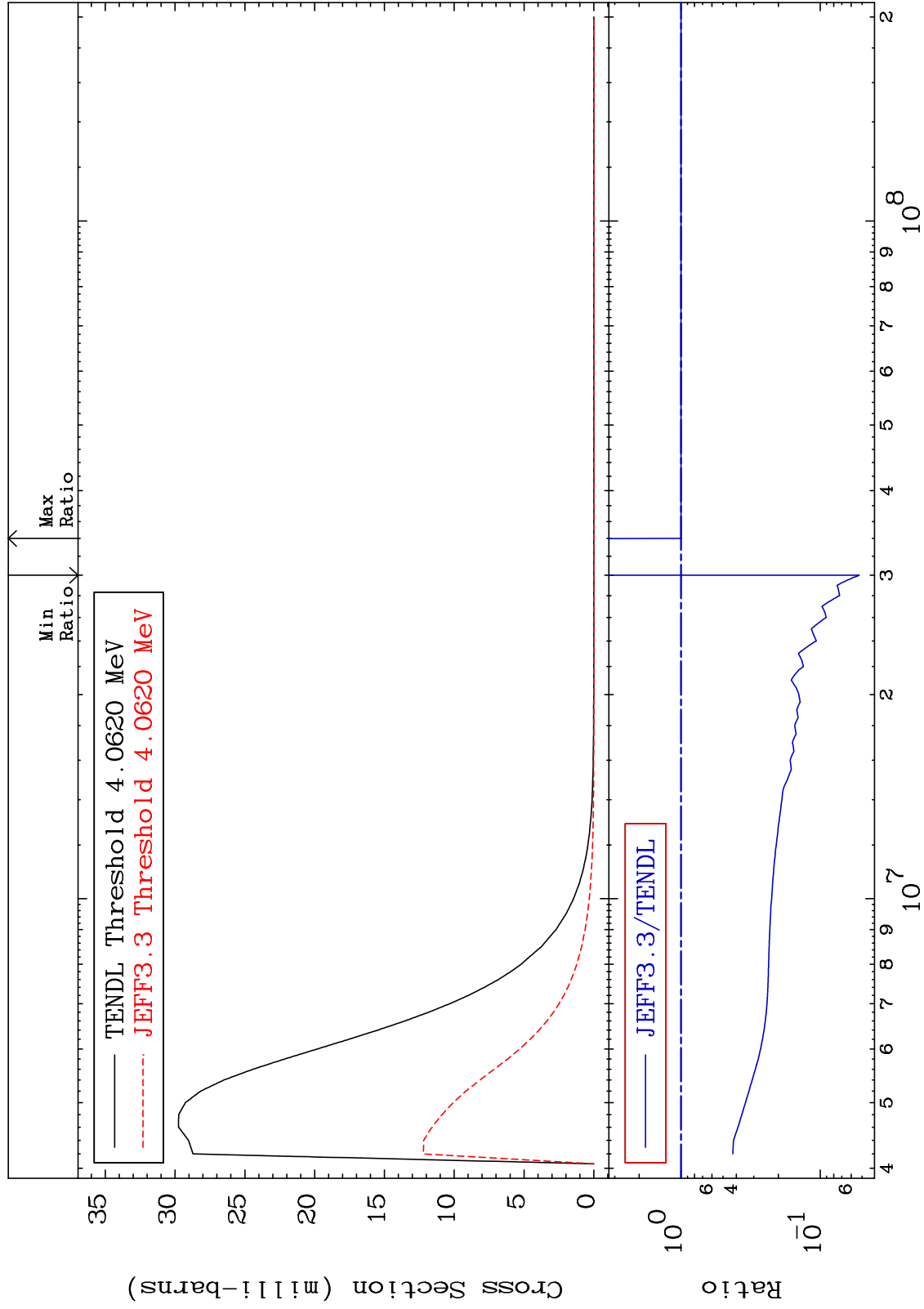
Incident Energy (eV)

24-Cr-54

MAT 2437

MT= 70 (n,n') Level
Cross Section

24-Cr-54
-94.76 To 0.000 %

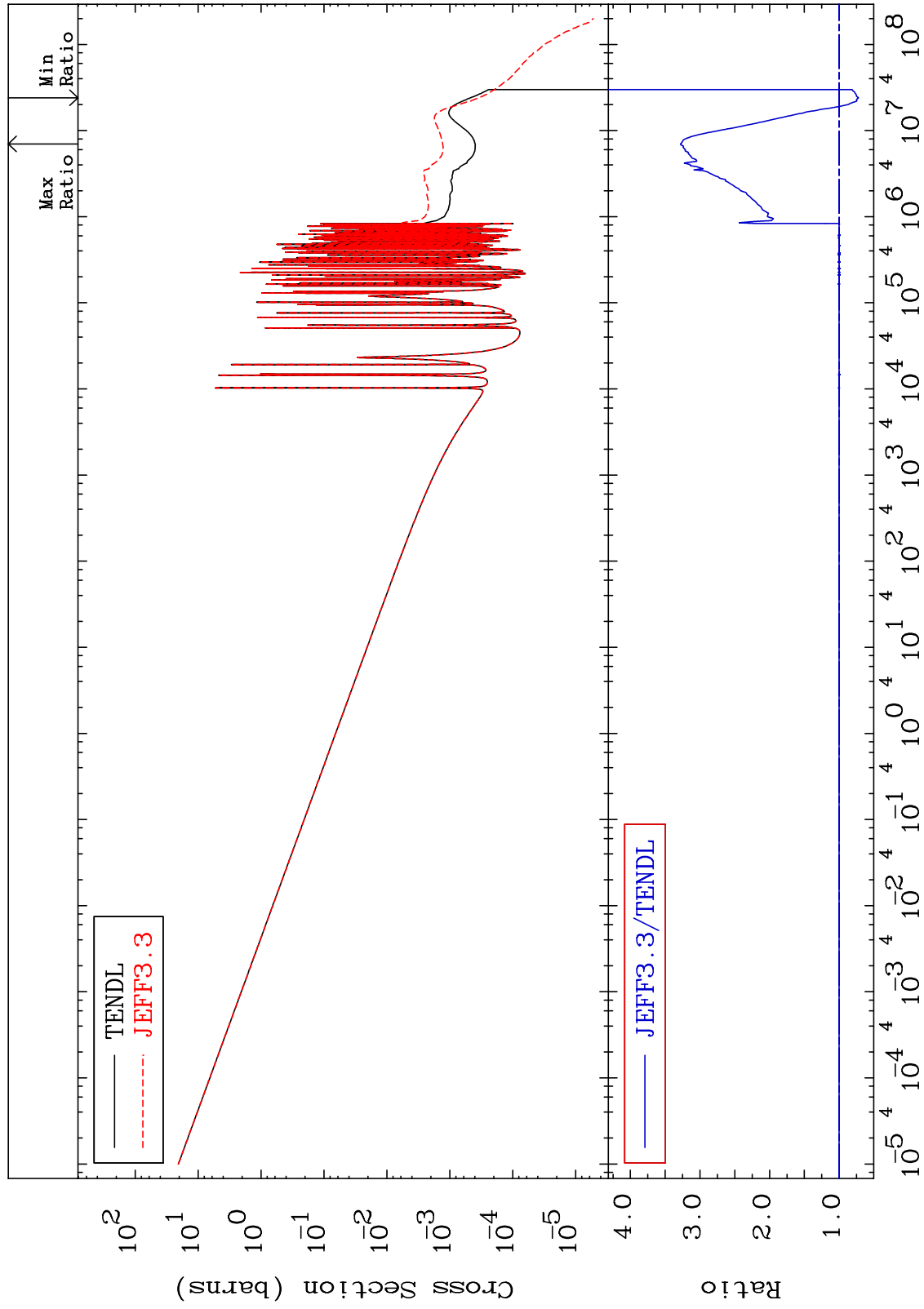


MAT 2437

(n, γ)
Cross Section

24-Cr-54

-27.83 To 228.1 %



25

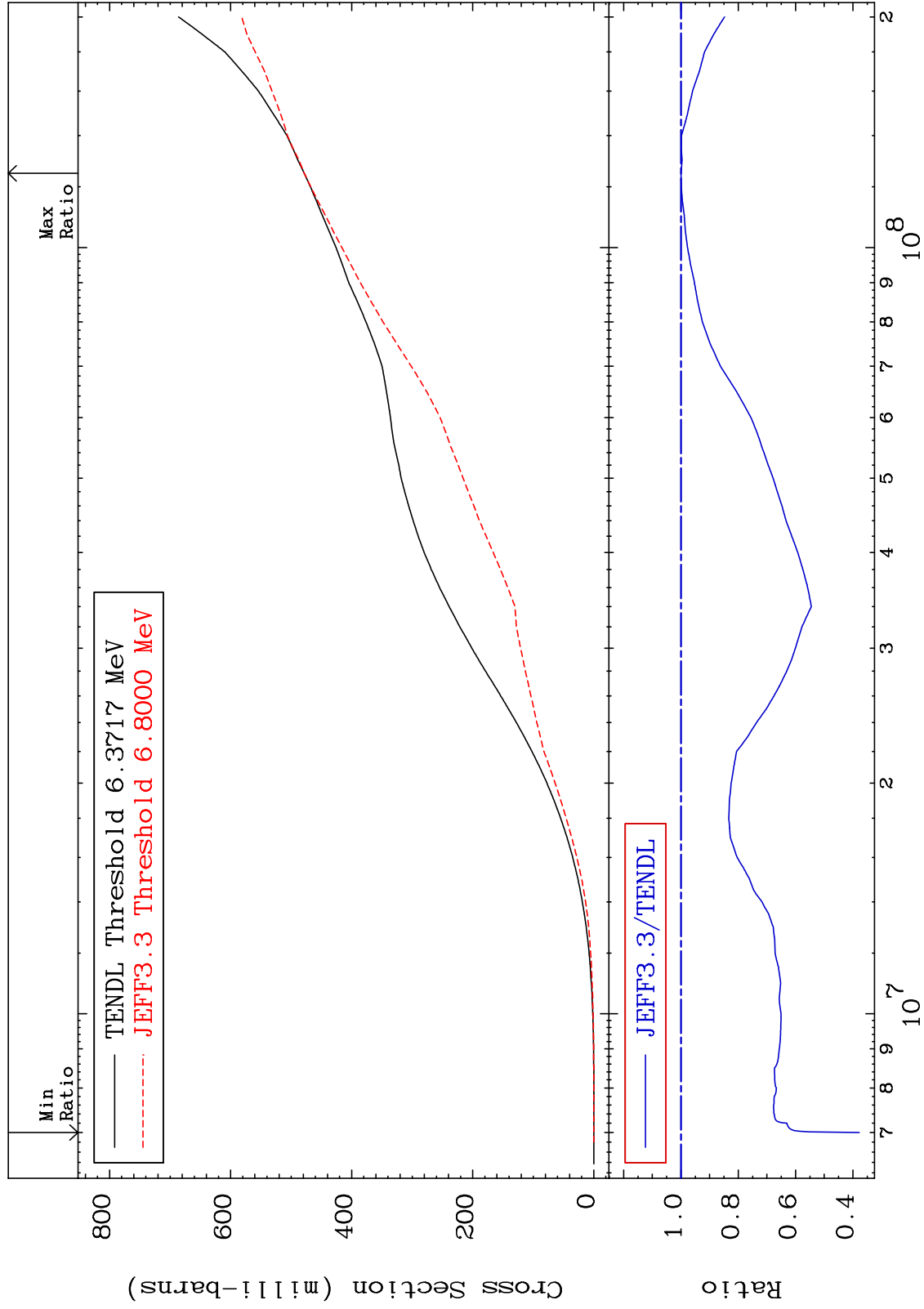
Incident Energy (eV)

24-Cr-54

MAT 2437

Hydrogen Production
Cross Section

24-Cr-54
-62.23 To -0.027%



26

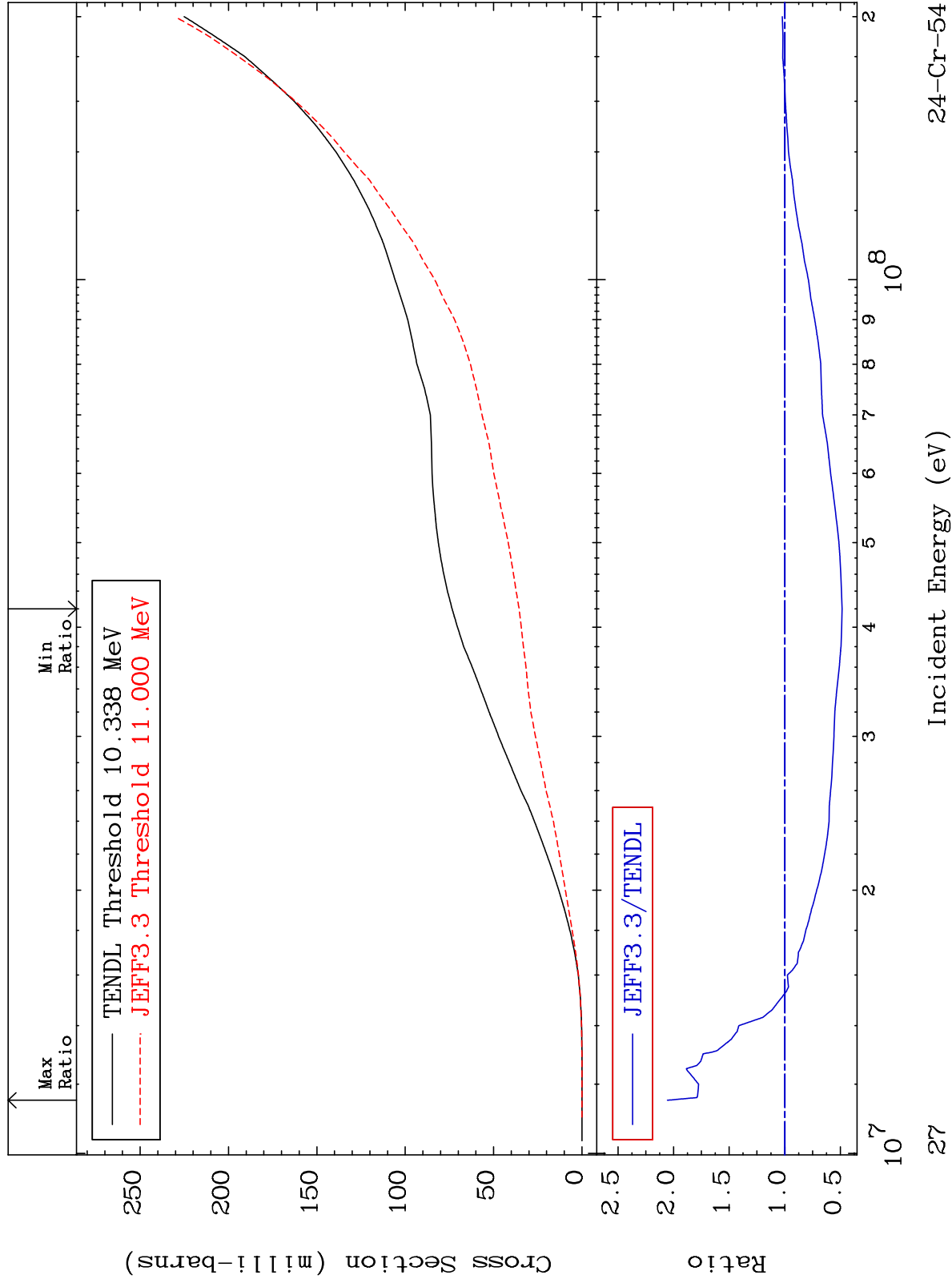
Incident Energy (eV)

24-Cr-54

MAT 2437

Deuterium Production
Cross Section

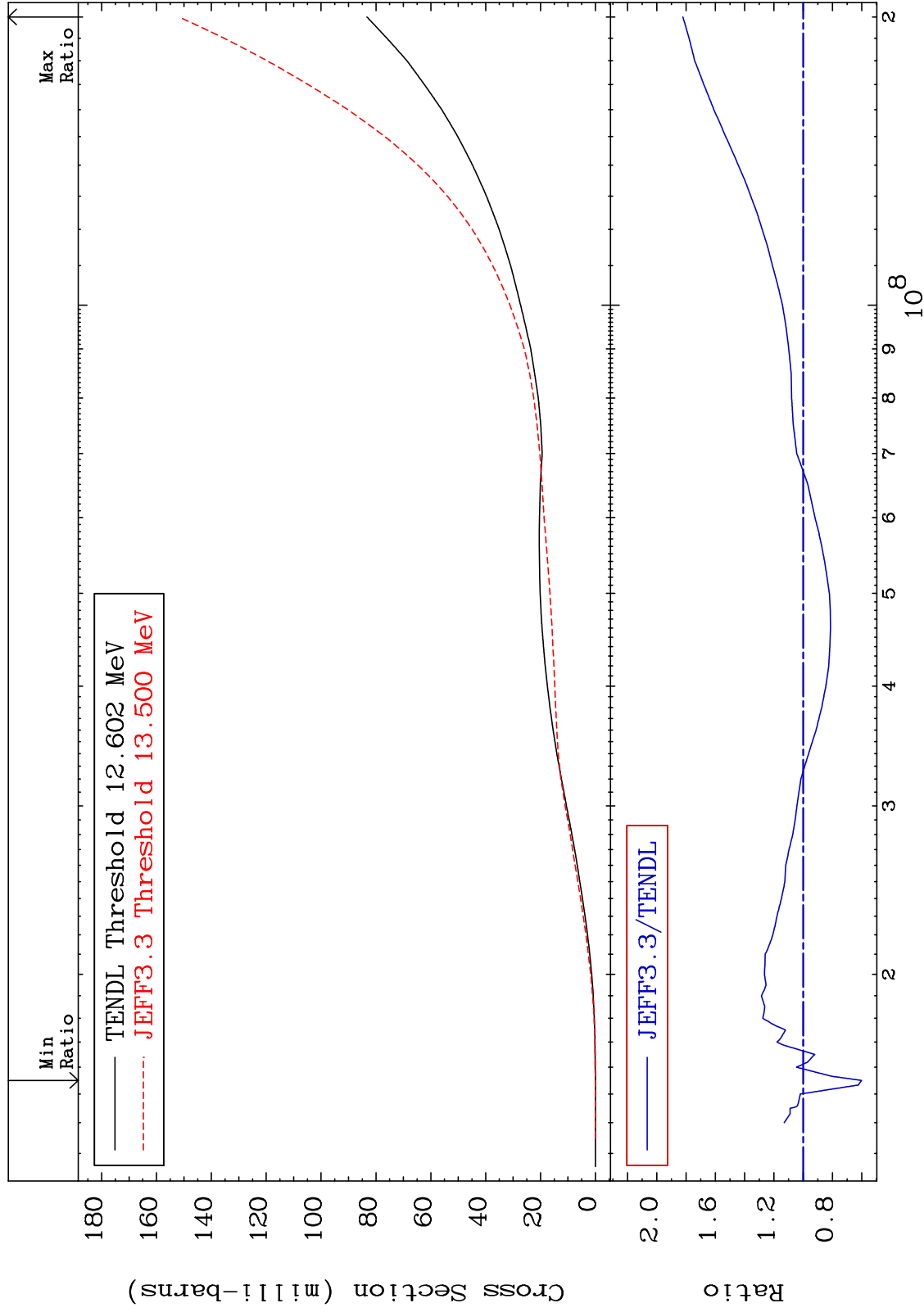
24-Cr-54
-51.59 To 105.5 %



MAT 2437

Tritium Production
Cross Section

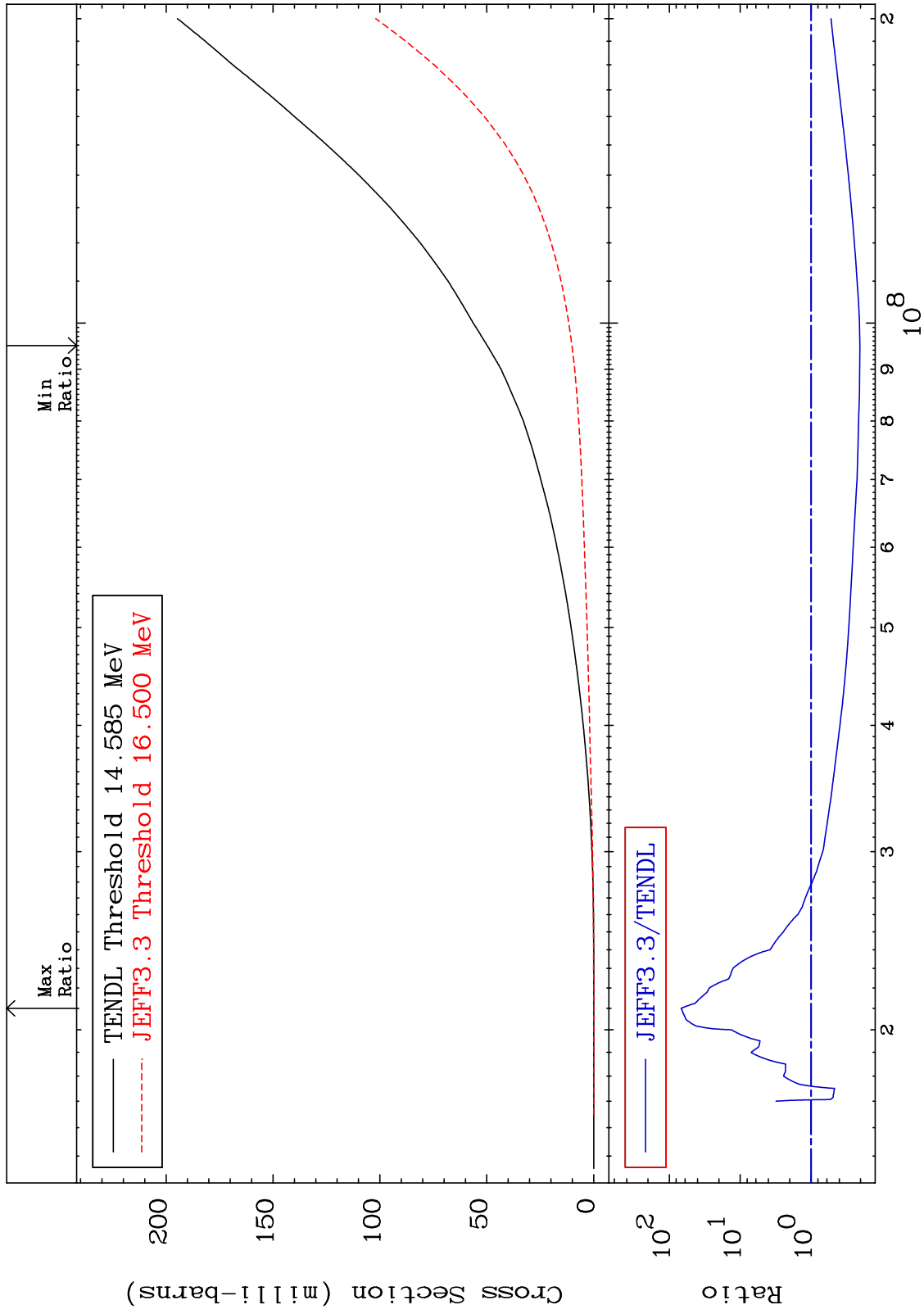
$^{24}\text{Cr-54}$
-39.88 To 82.24 %



MAT 2437

He-3 Production
Cross Section

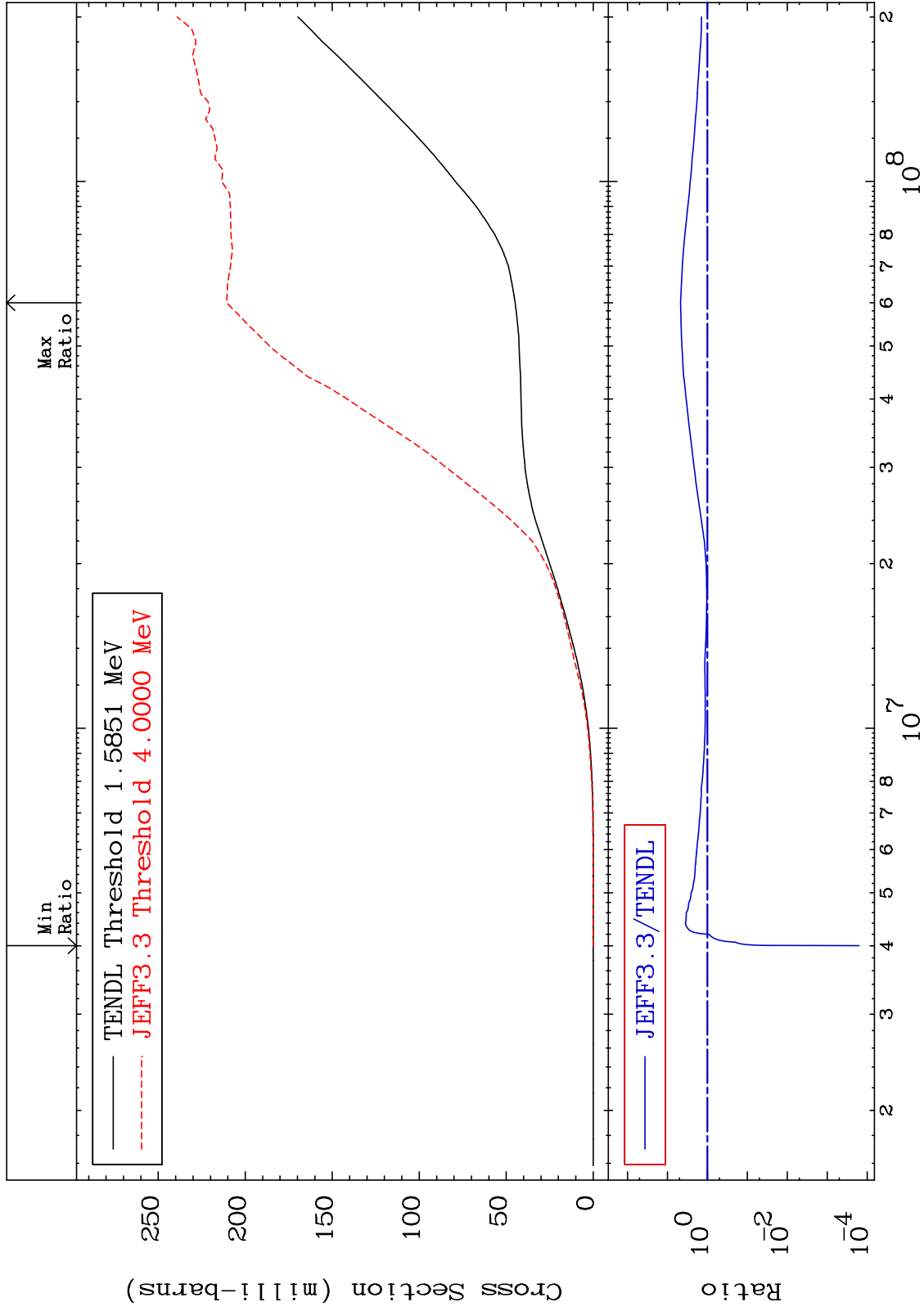
24-Cr-54
-79.55 To 6702. %



MAT 2437

He-4 Production
Cross Section

24-Cr-54
-99.98 To 369.8 %



30

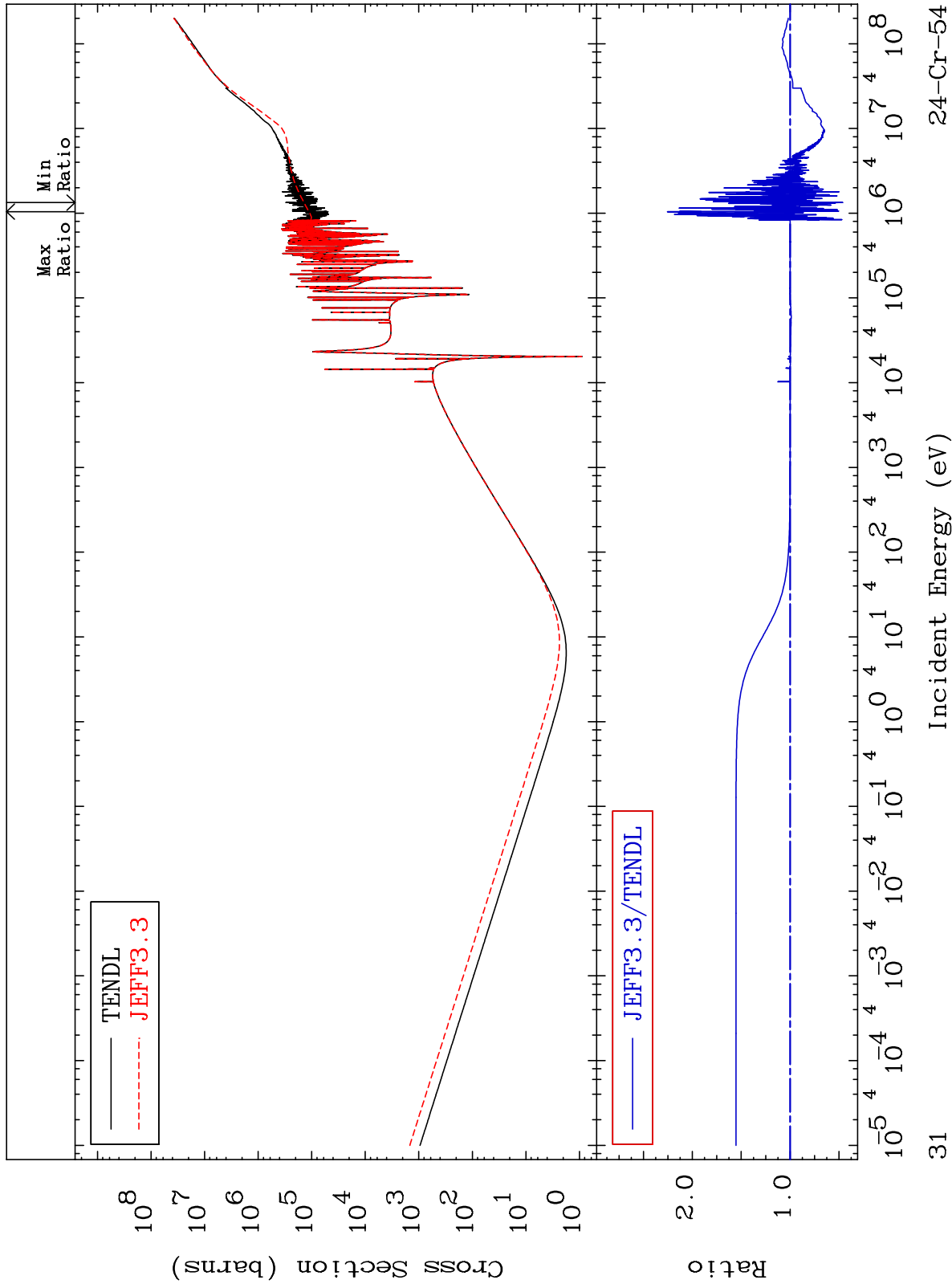
Incident Energy (eV)

24-Cr-54

MAT 2437

Kerma total (eV-barns)
Cross Section

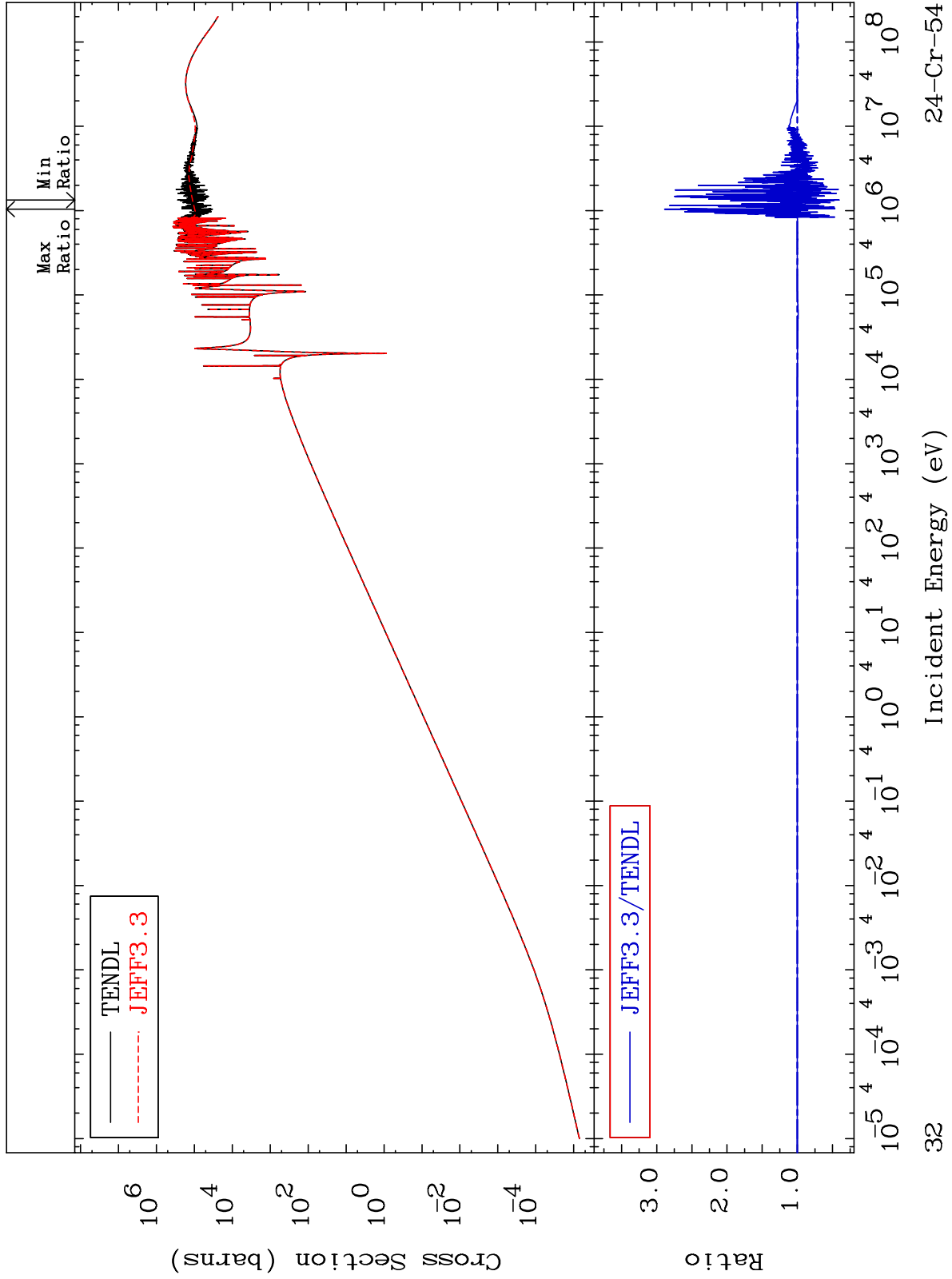
24-Cr-54
-53.82 To 125.4 %



MAT 2437

Kerma elastic
Cross Section

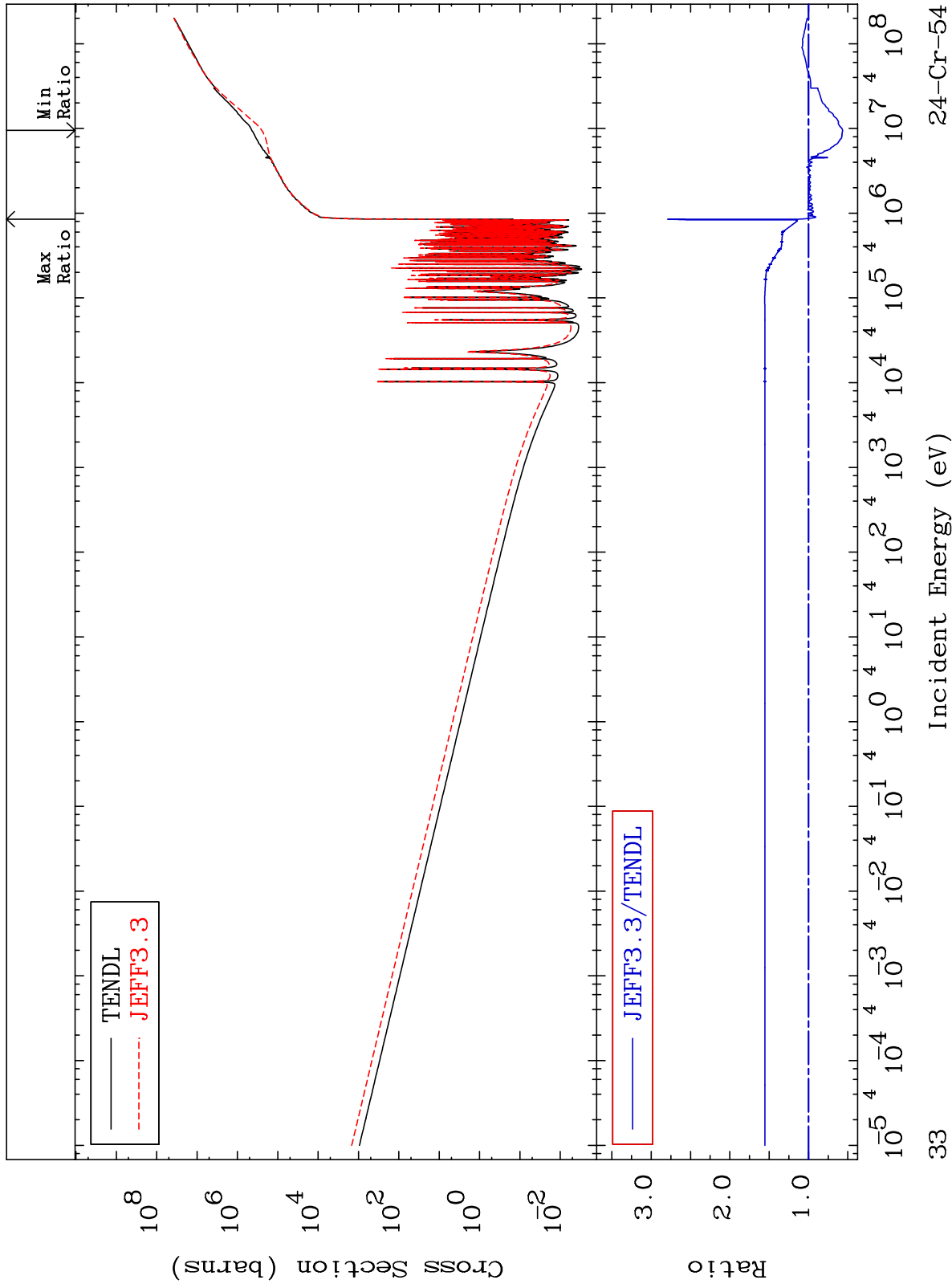
24-Cr-54
-59.38 To 188.6 %



MAT 2437

Kerma non-elastic (all but mt2)
Cross Section

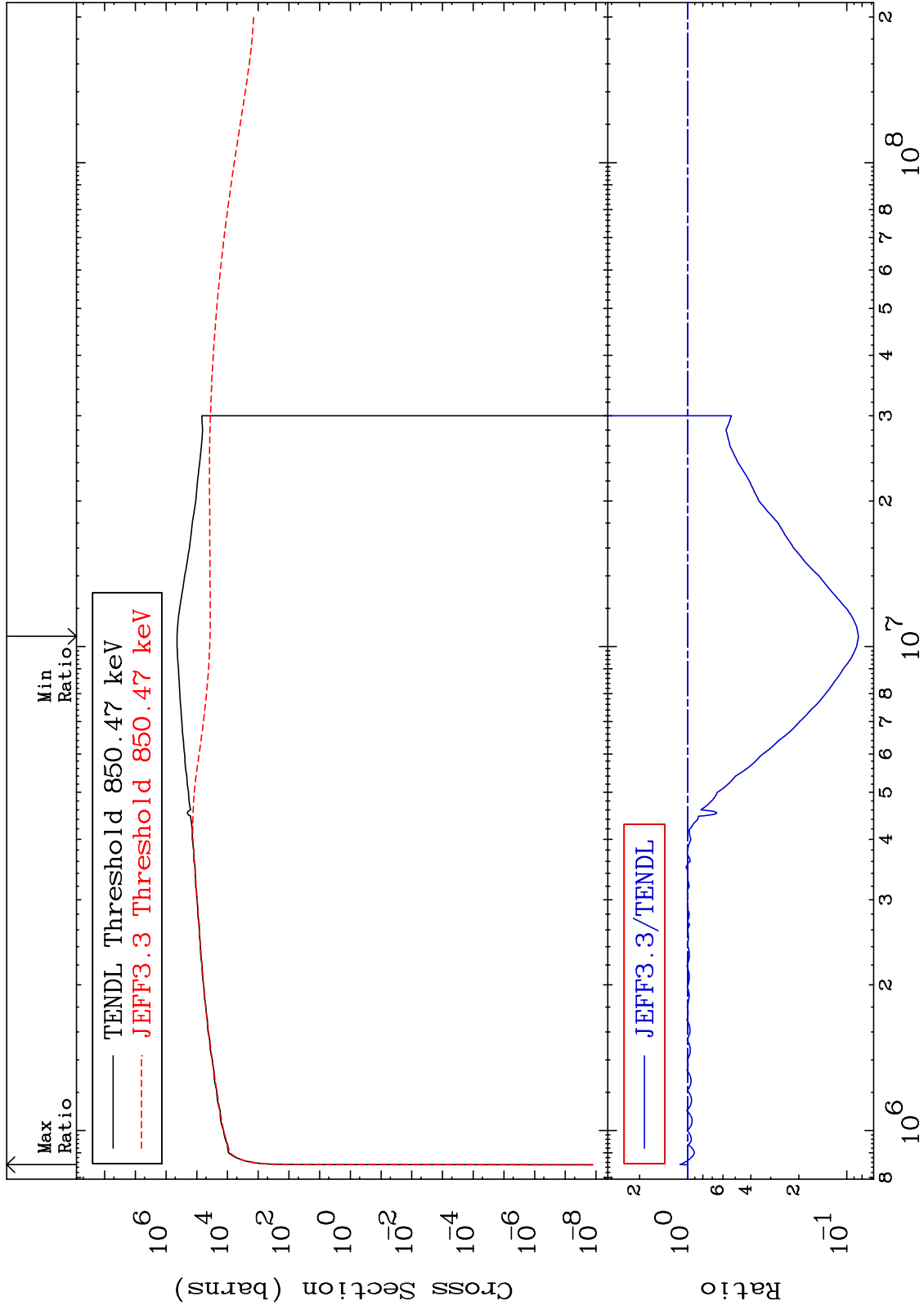
24-Cr-54
-43.41 To 179.2 %



MAT 2437

Kerma inelastic (mt51-91)
Cross Section

24-Cr-54
-91.56 To 11.45 %



34

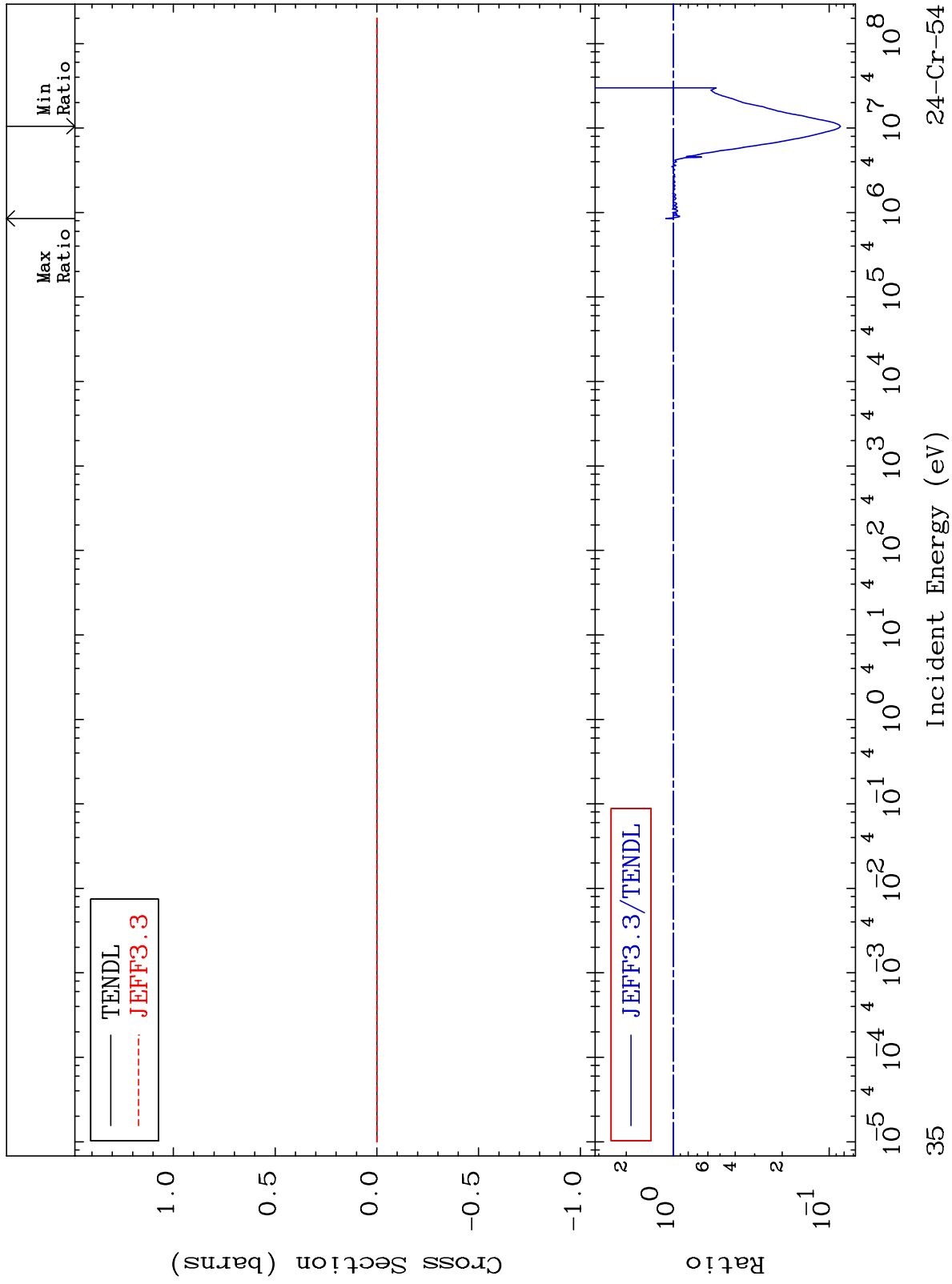
Incident Energy (eV)

24-Cr-54

MAT 2437

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

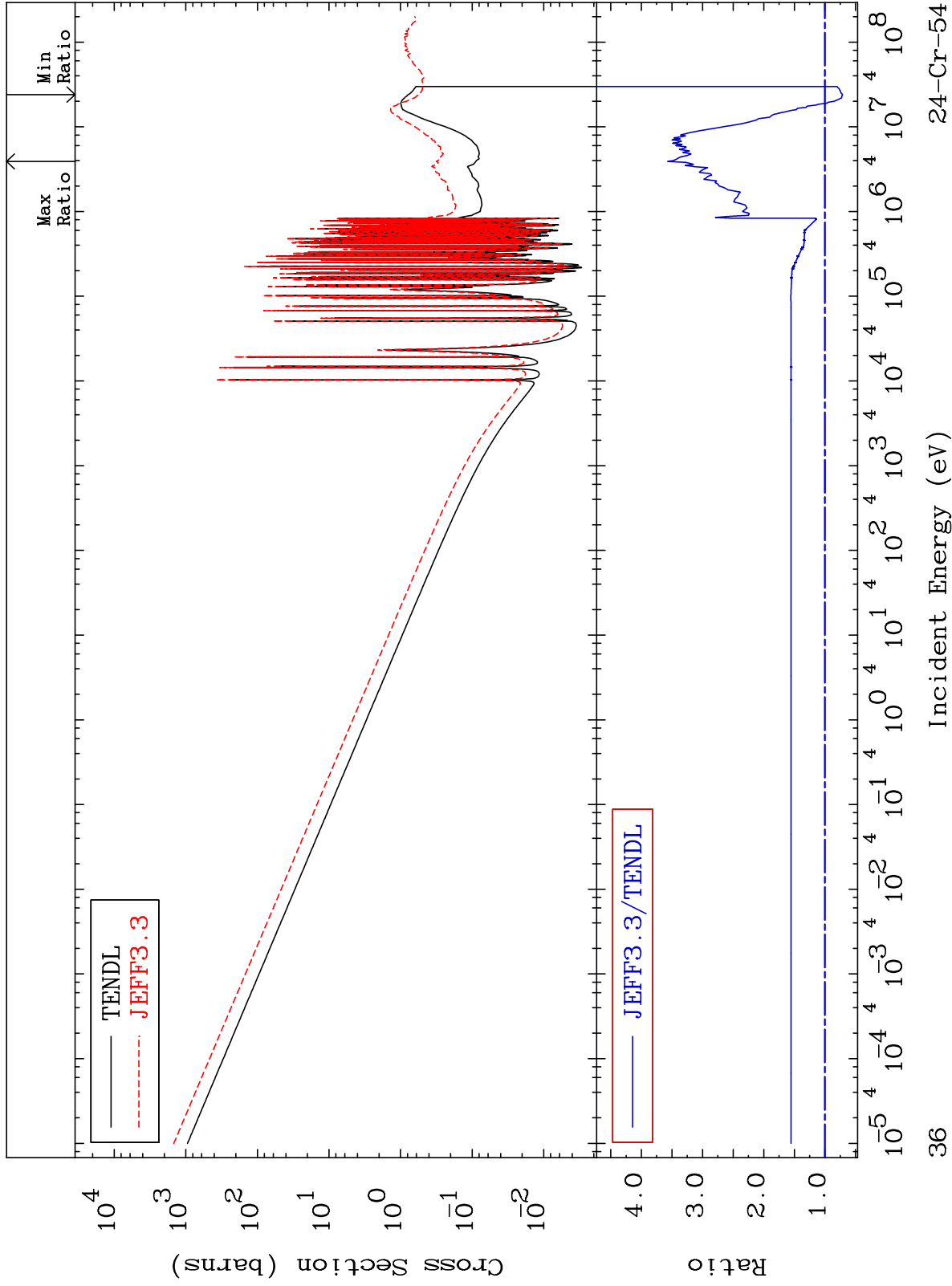
24-Cr-54
-91.56 To 11.45 %



MAT 2437

Kerma capture (mt102)
Cross Section

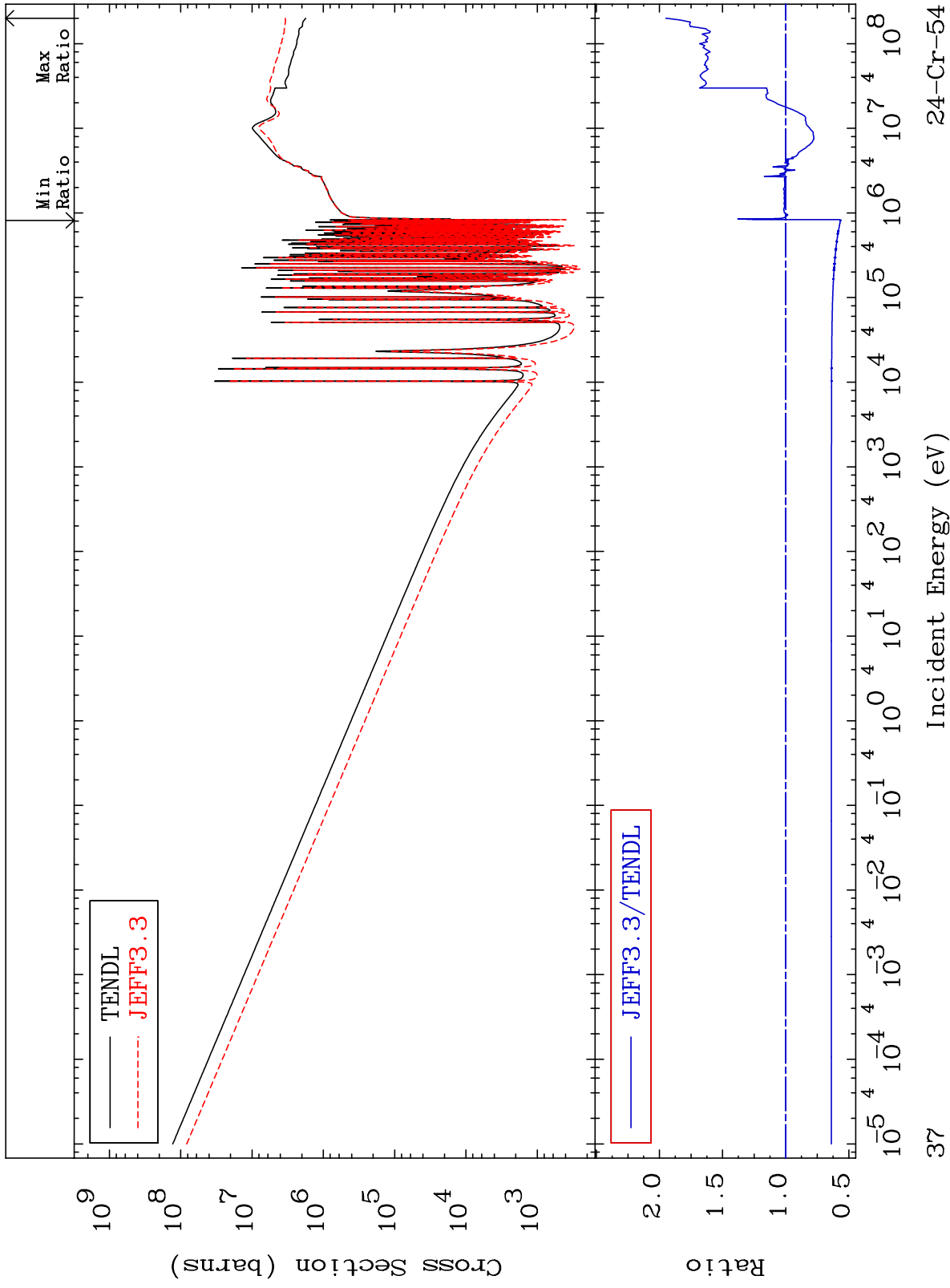
24-Cr-54
-28.95 To 257.2 %



MAT 2437

Total photon (eV-barns)
Cross Section

24-Cr-54
-43.65 To 94.90 %



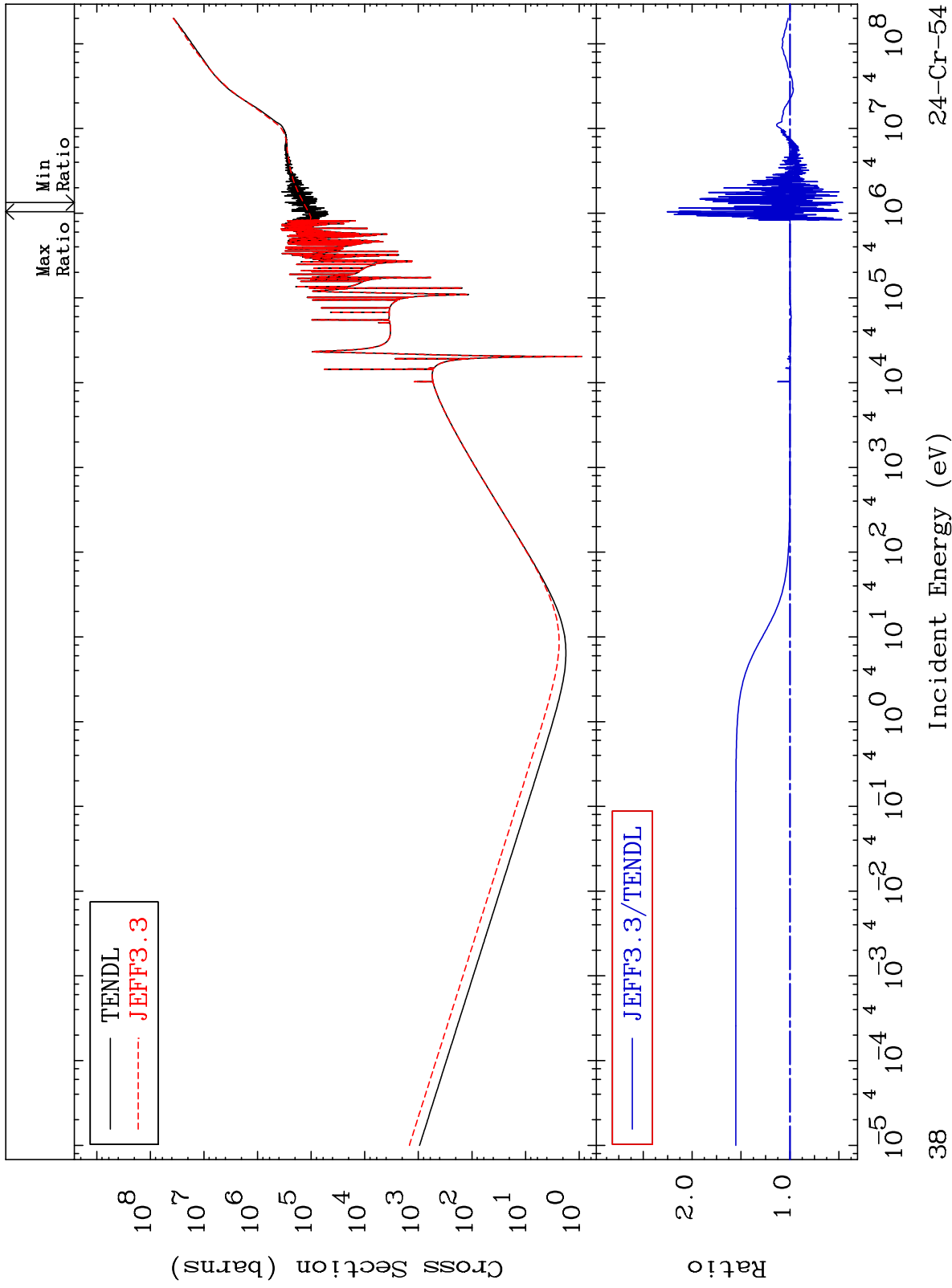
37

24-Cr-54

MAT 2437

Total kinematic kerma (high limit)
Cross Section

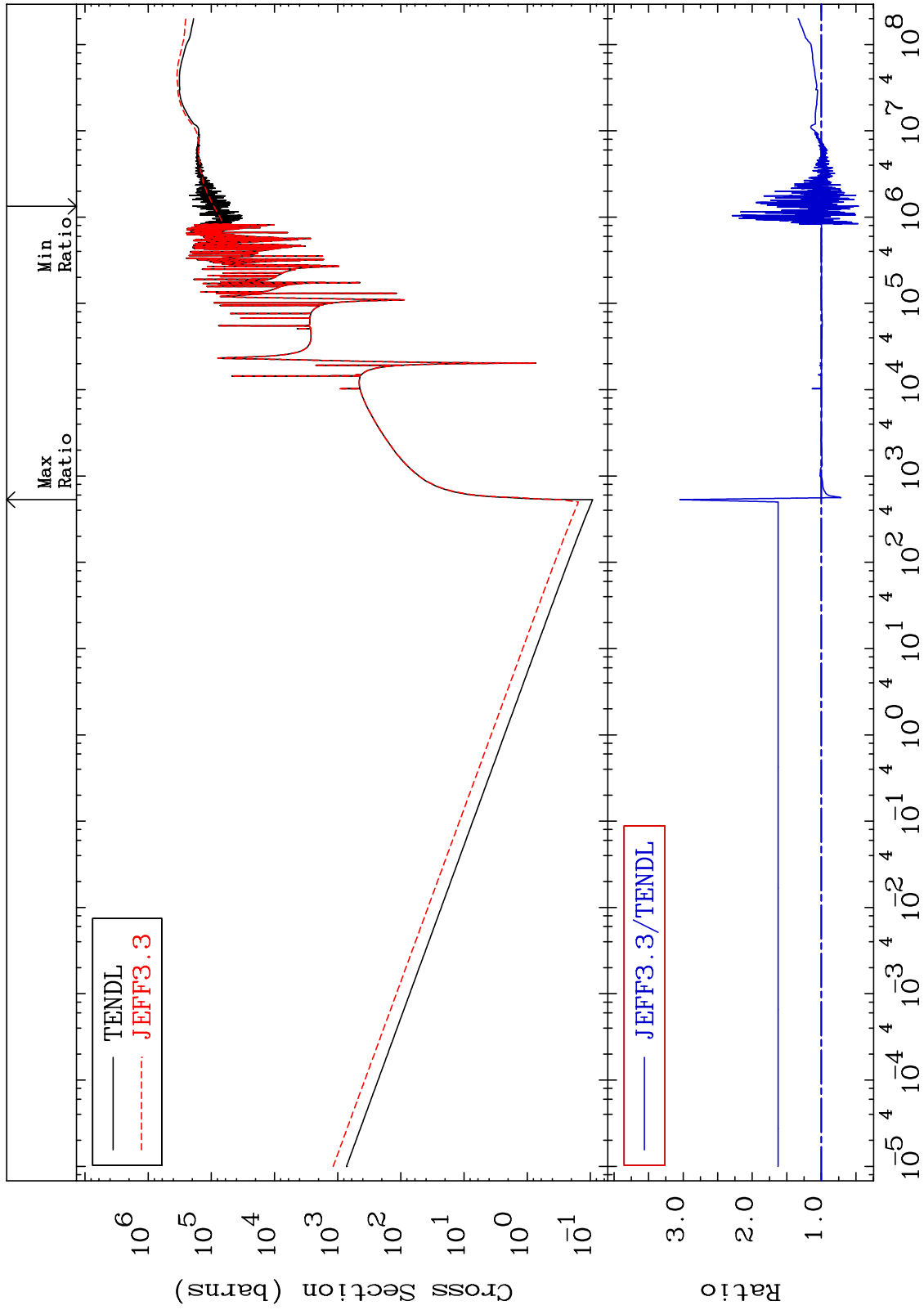
24-Cr-54
-53.82 To 125.4 %



MAT 2437

Dpa total (eV-barns)
Cross Section

24-Cr-54
-53.57 To 204.5 %



39

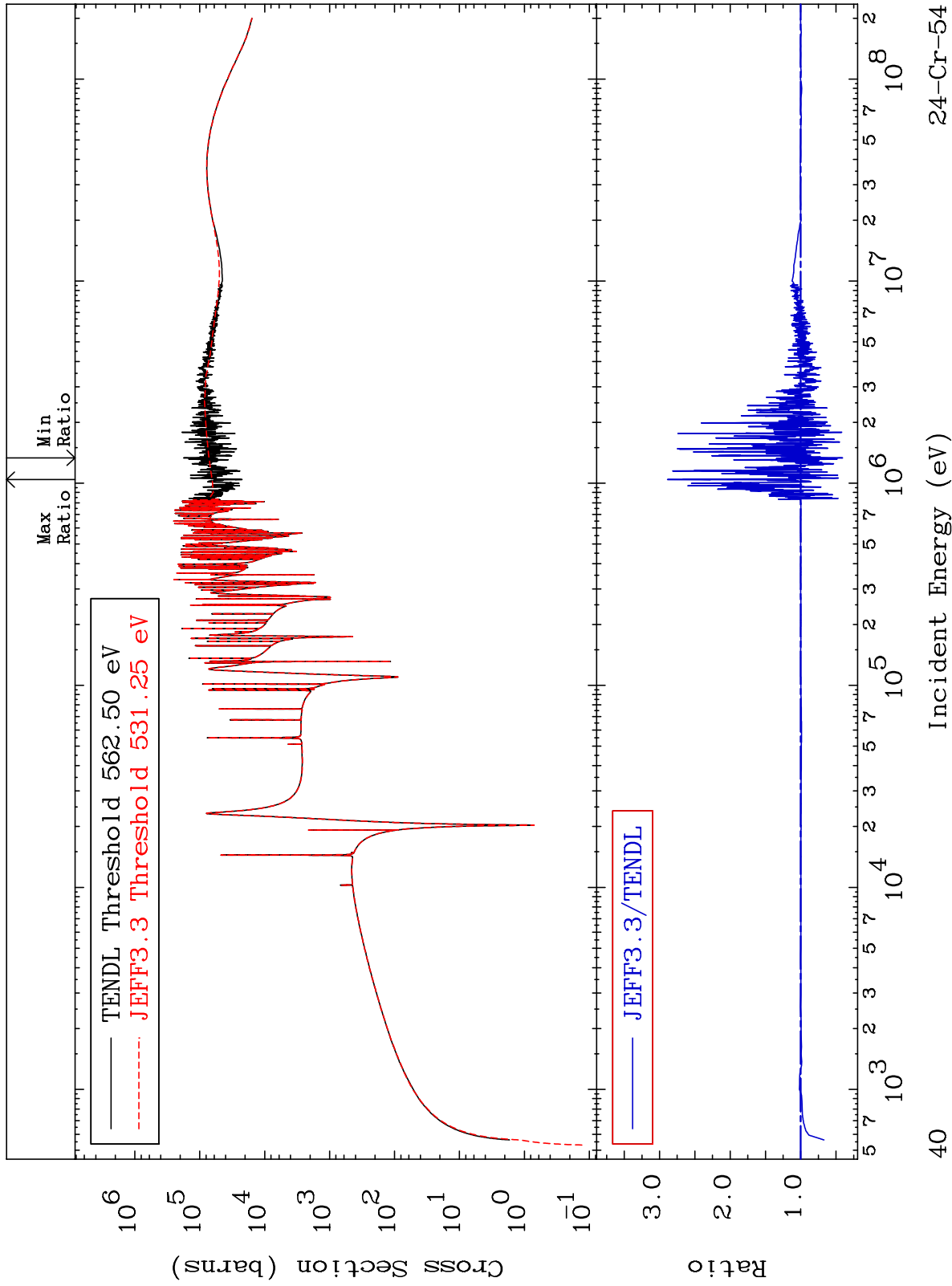
Incident Energy (eV)

24-Cr-54

MAT 2437

Dpa elastic (mt2)
Cross Section

24-Cr-54
-59.39 To 188.7 %



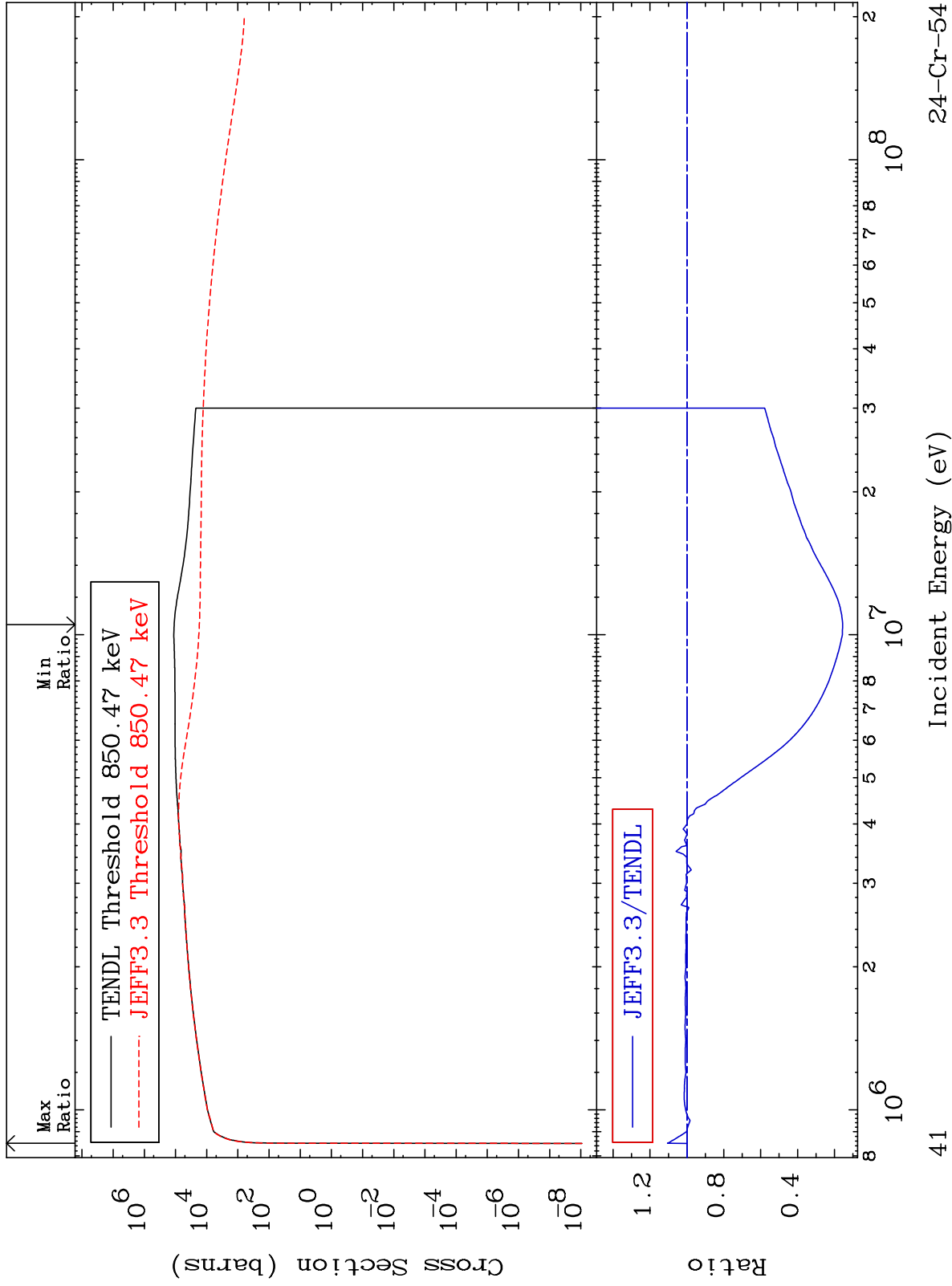
40

24-Cr-54

MAT 2437

Dpa inelastic (mt51-91)
Cross Section

²⁴Cr-54
-84.45 To 10.49 %



MAT 2437

Dpa disappearance (mt102 -120)
Cross Section

24-Cr-54
-100.0 To 258.3 %

