

Program Complot
(Version 2018-1)

by

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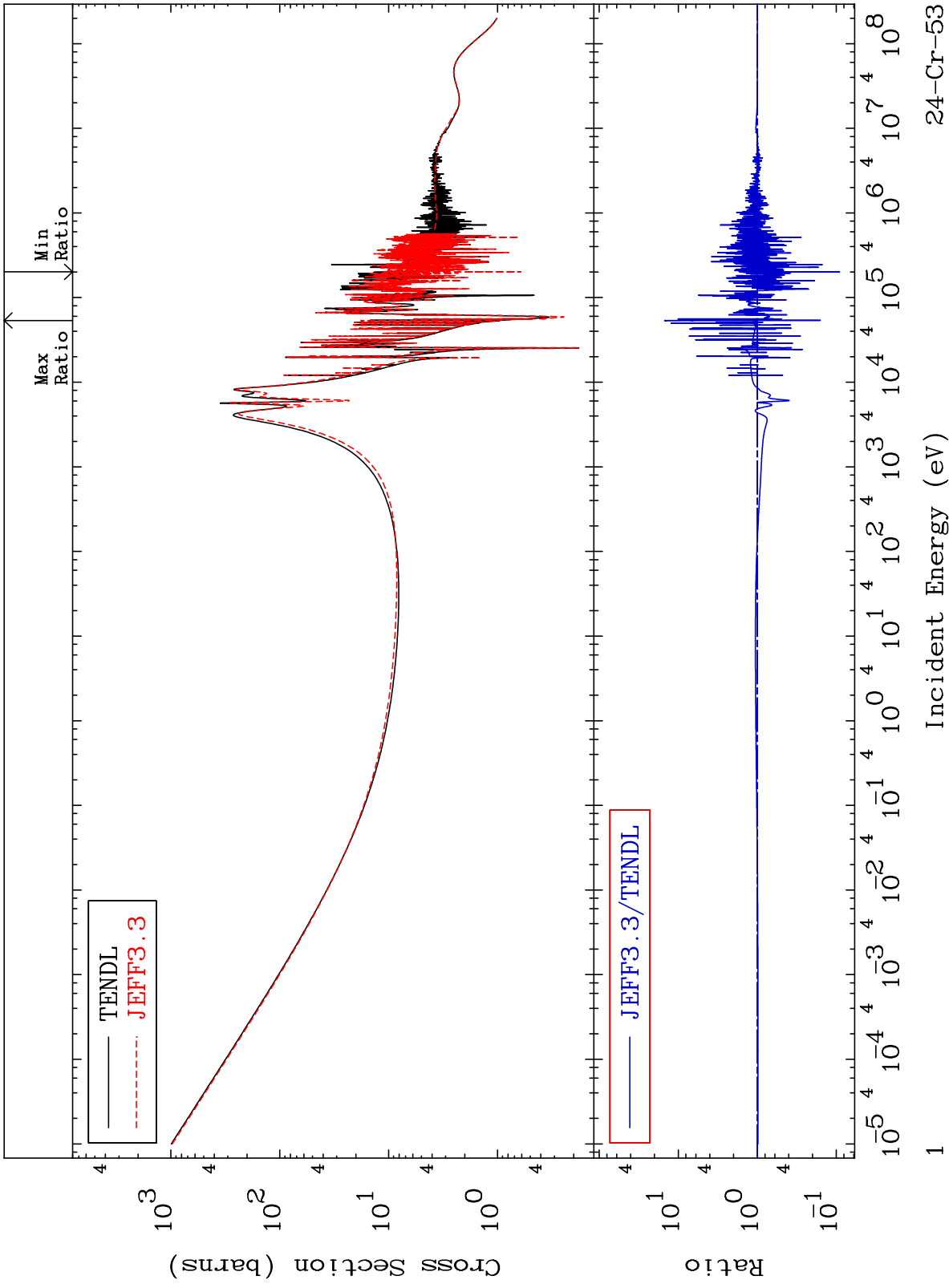
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2434

Total
Cross Section

24-Cr-53
-90.94 To 1383. %



24-Cr-53

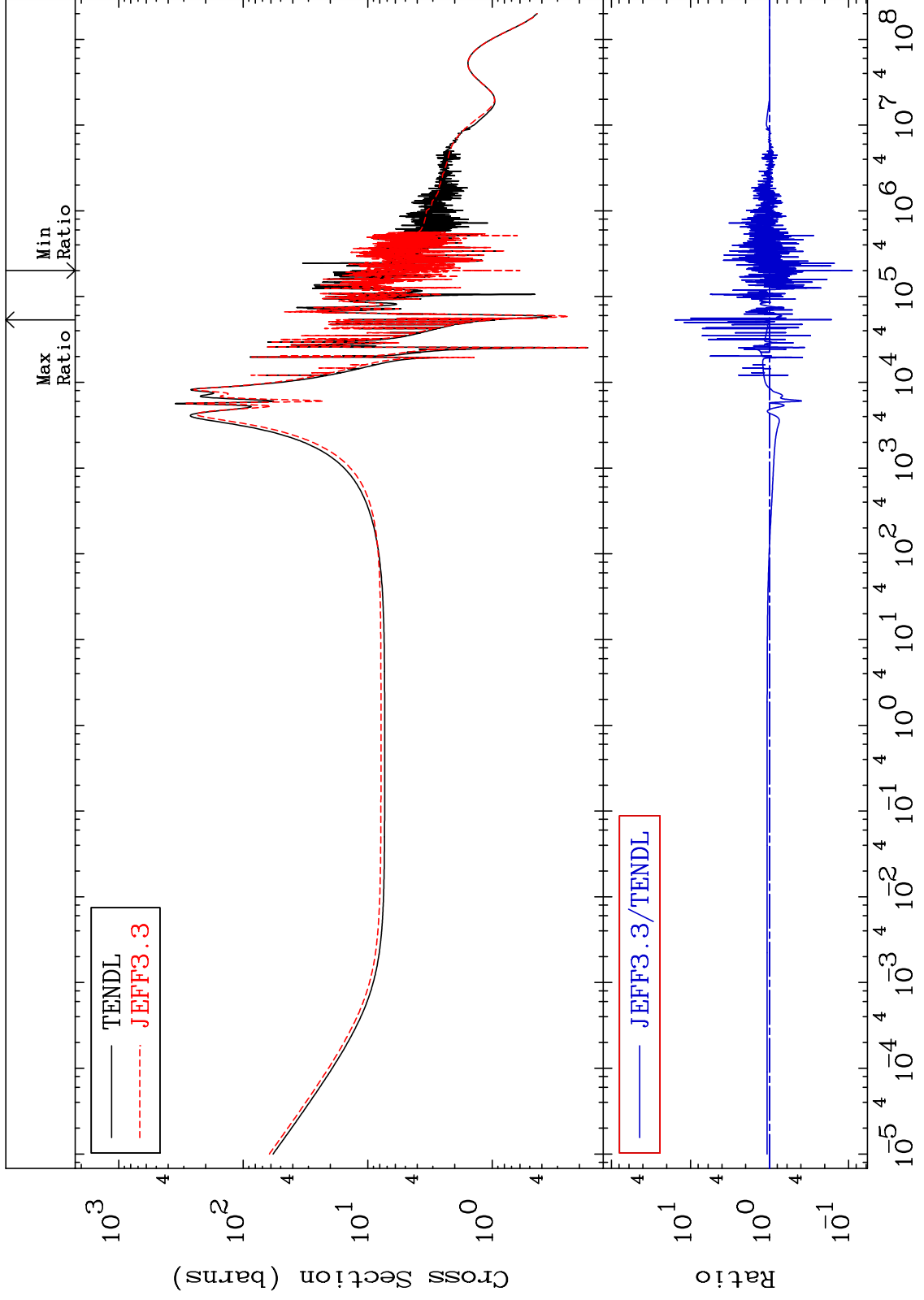
MAT 2434

Elastic

Cross Section

24-Cr-53

-91.04 To 1469. %



Incident Energy (eV)

24-Cr-53

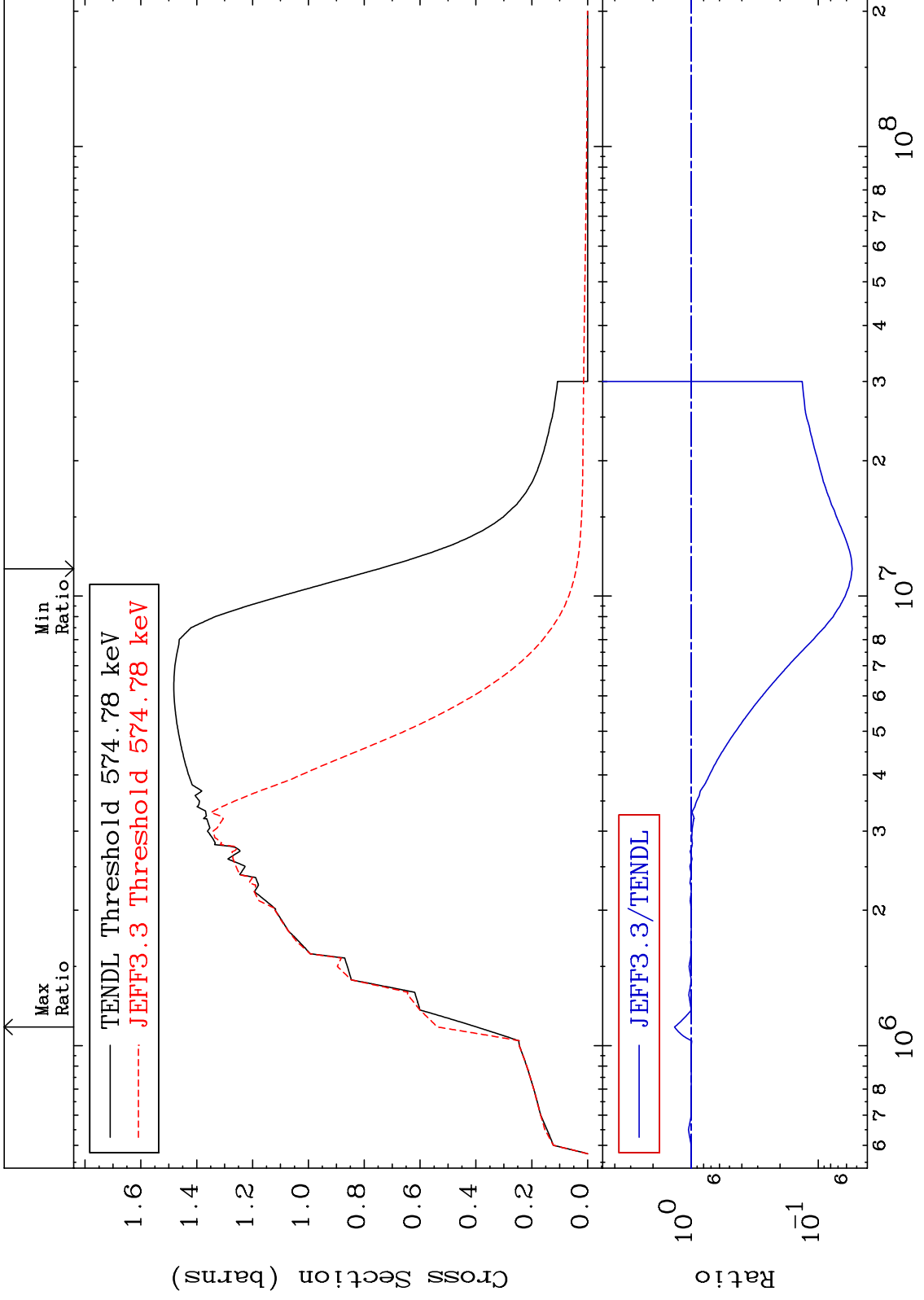
2

MAT 2434

Inelastic
Cross Section

24-Cr-53

-94.58 To 35.35 %



3

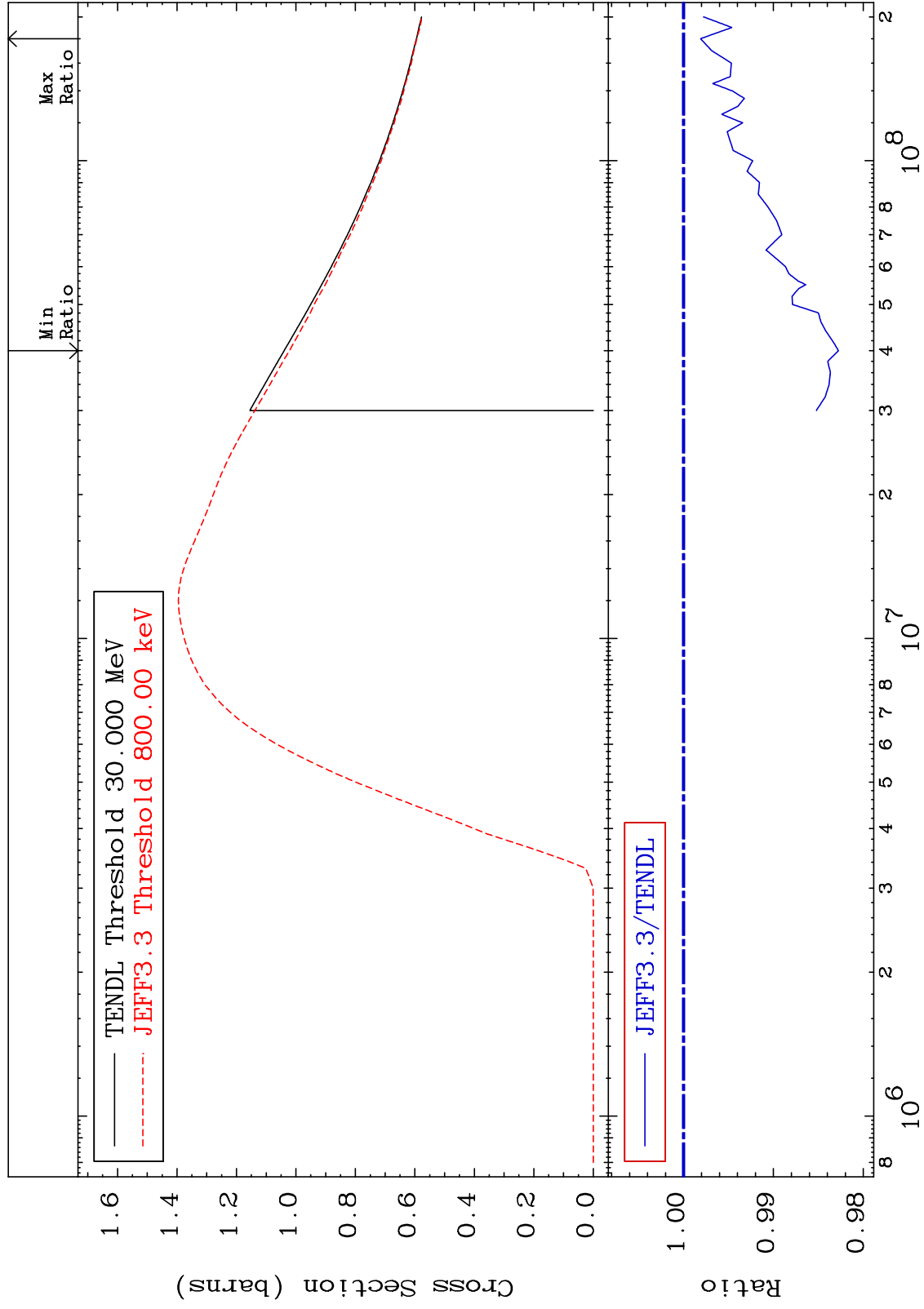
Incident Energy (eV)

24-Cr-53

MAT 2434

(n, remainder)
Cross Section

24-Cr-53
-1.723 To -0.189%



Incident Energy (eV)

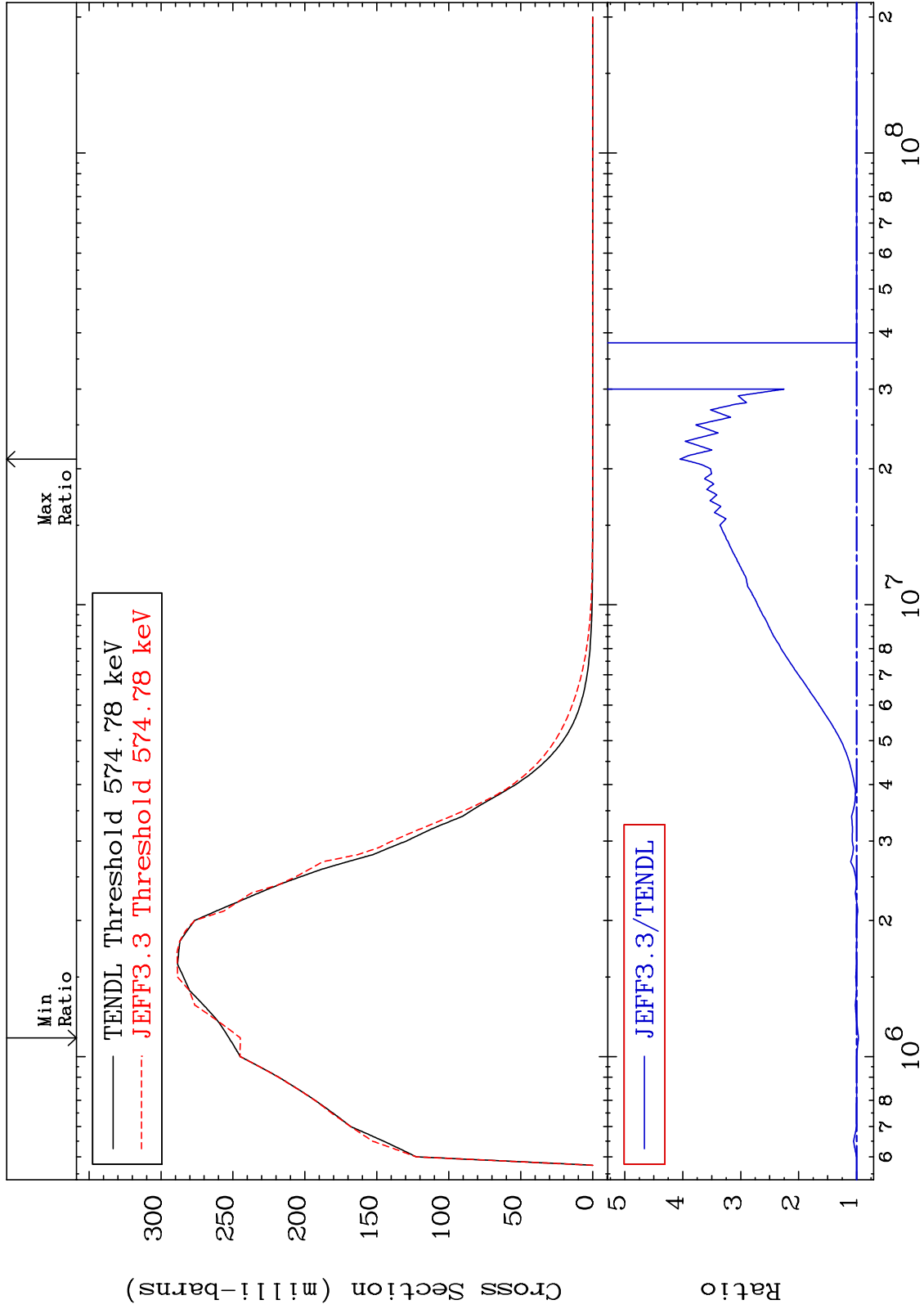
24-Cr-53

4

MAT 2434

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

24-Cr-53
-3.114 To 304.7 %



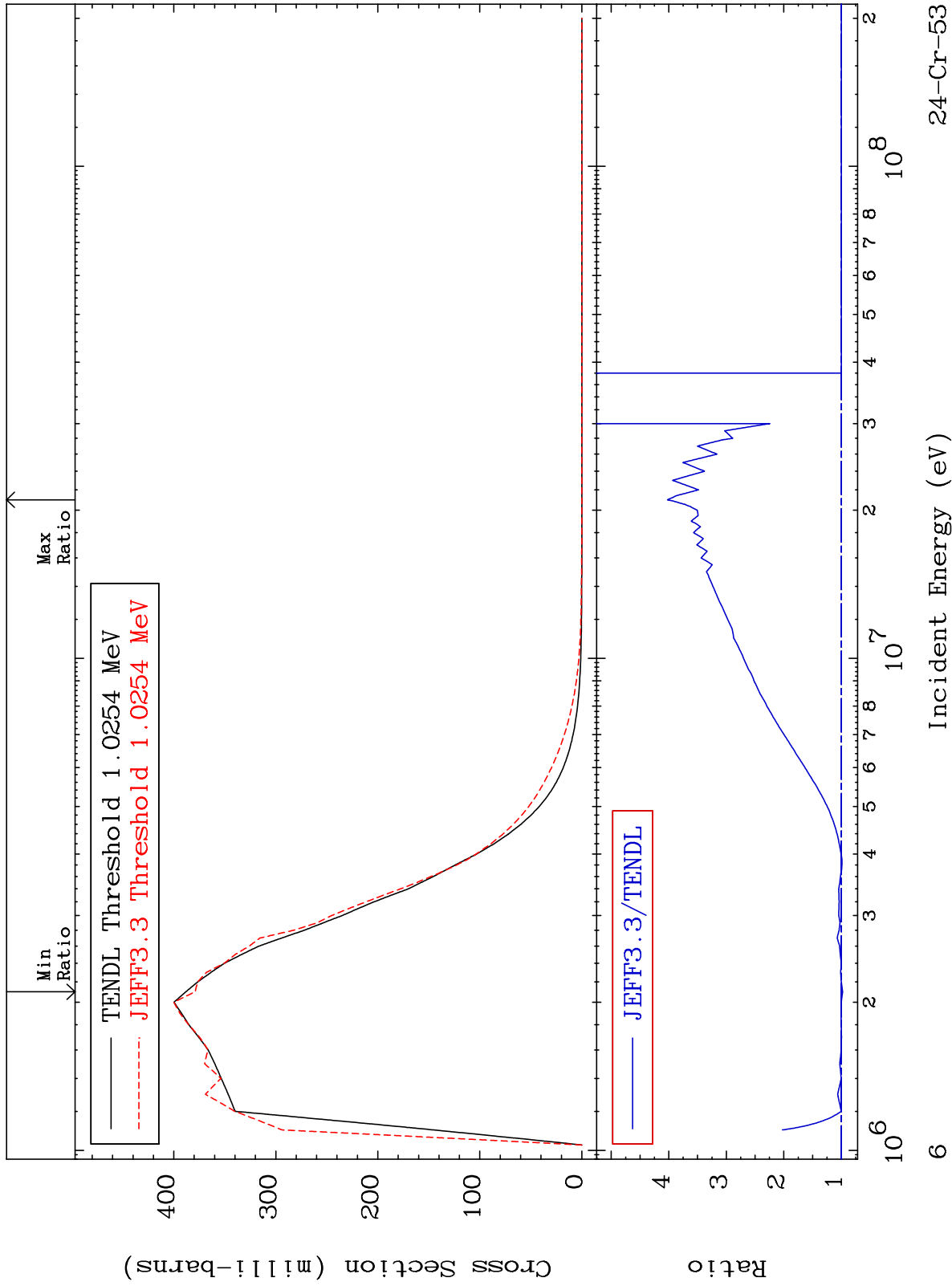
5

24-Cr-53

MAT 2434

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

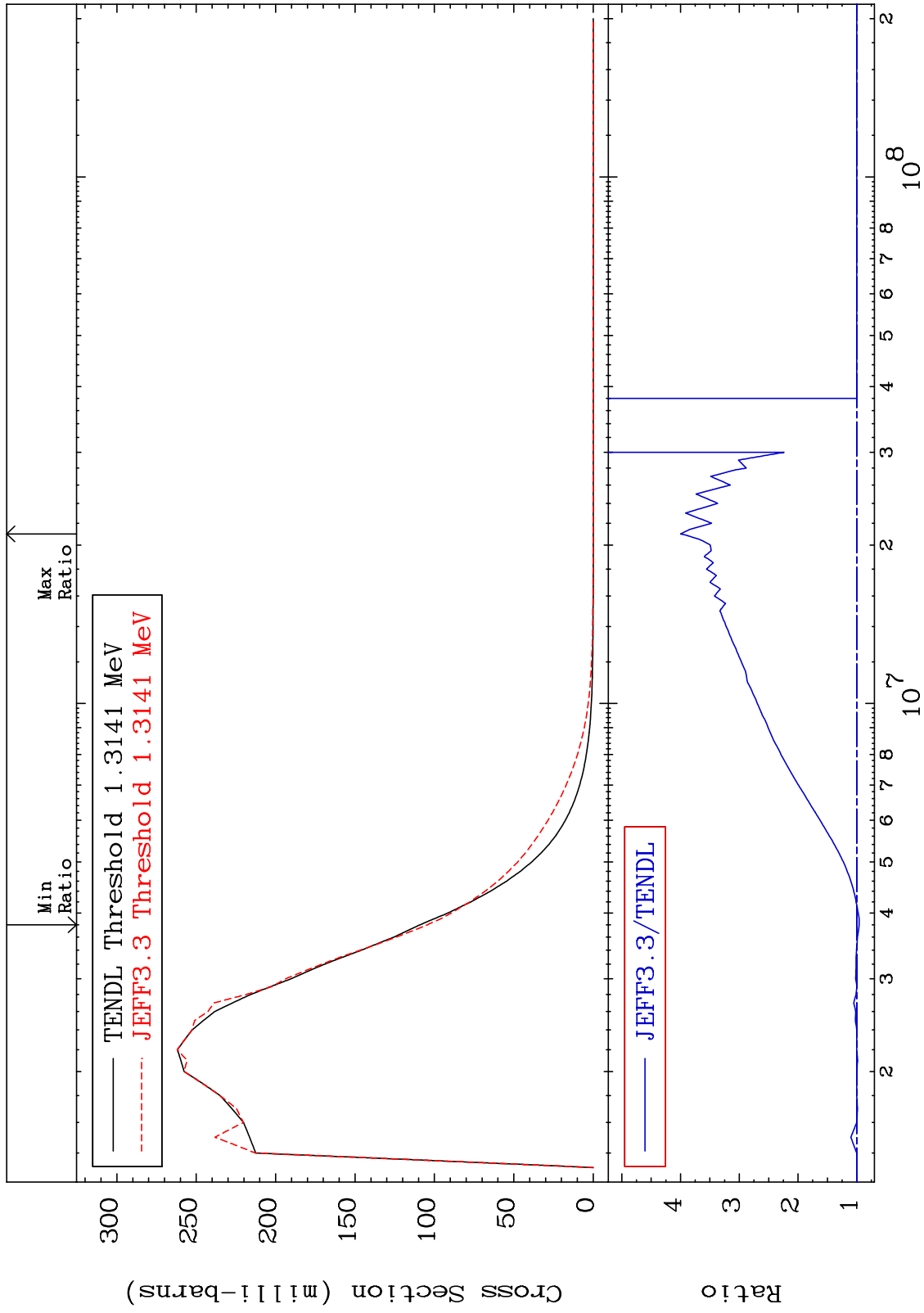
24-Cr-53
-2.320 To 302.1 %



MAT 2434

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

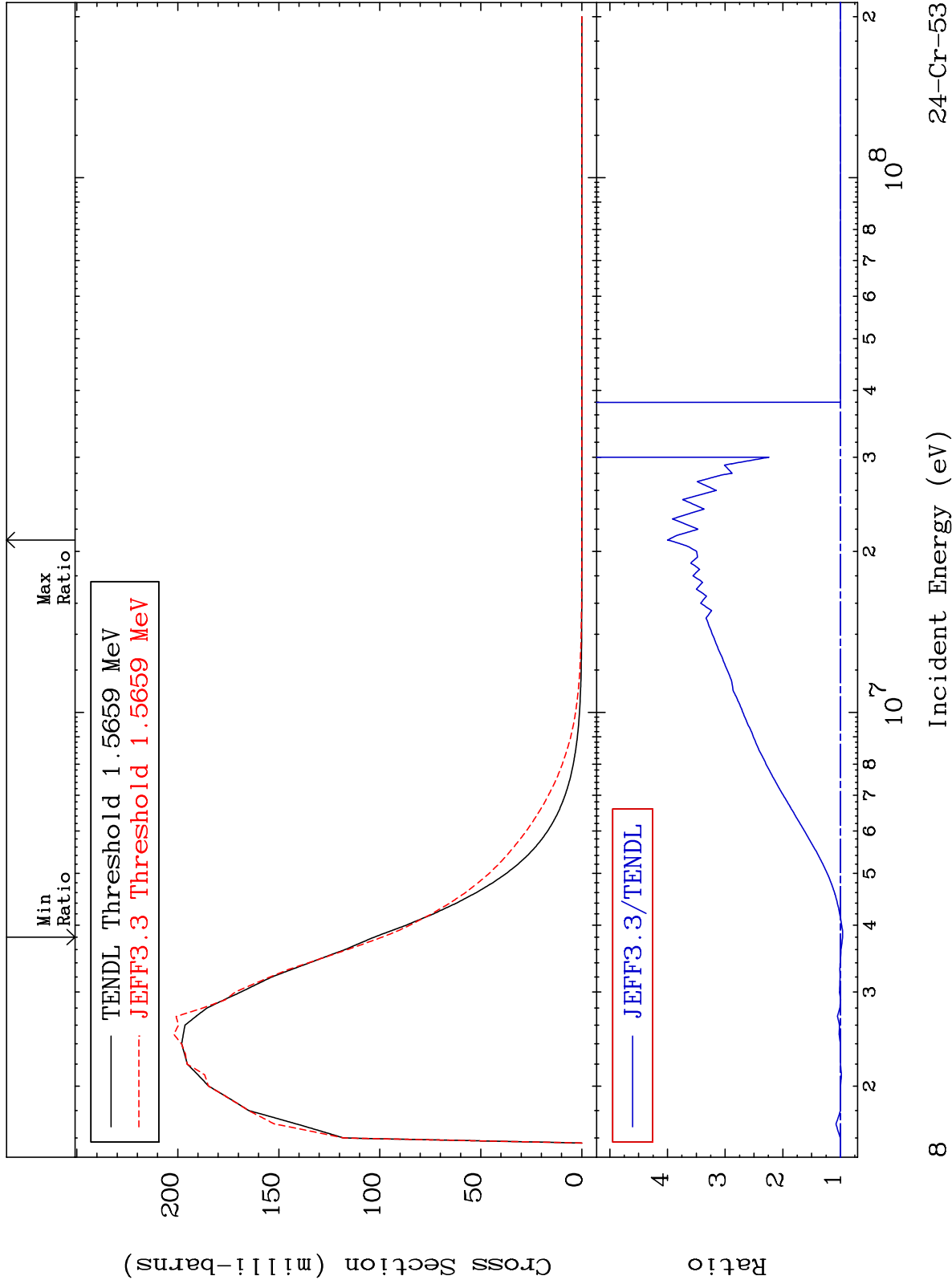
24-Cr-53
-4.153 To 299.9 %



MAT 2434

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

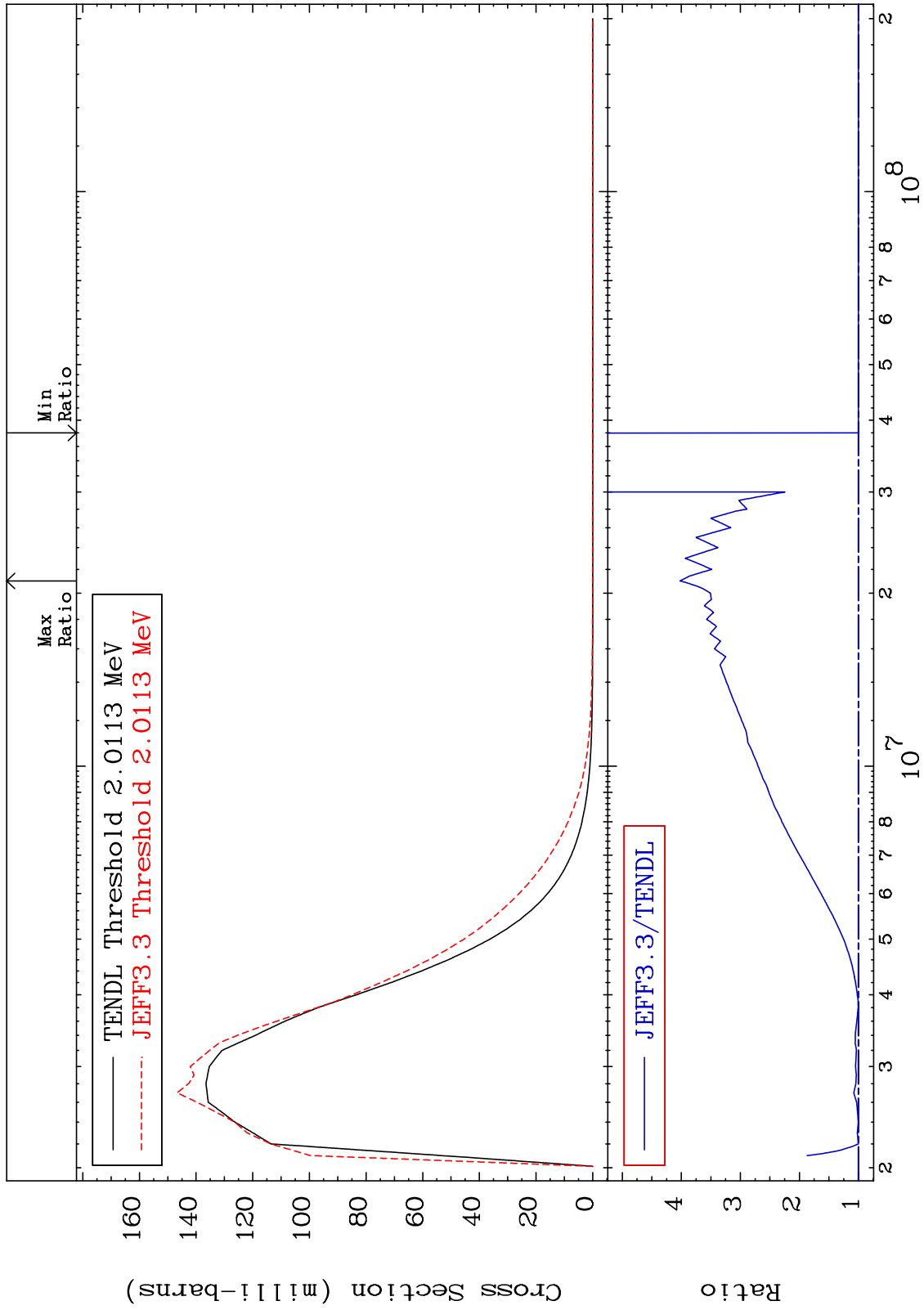
24-Cr-53
-3.856 To 299.9 %



MAT 2434

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

24-Cr-53
0.000 To 302.3 %



9

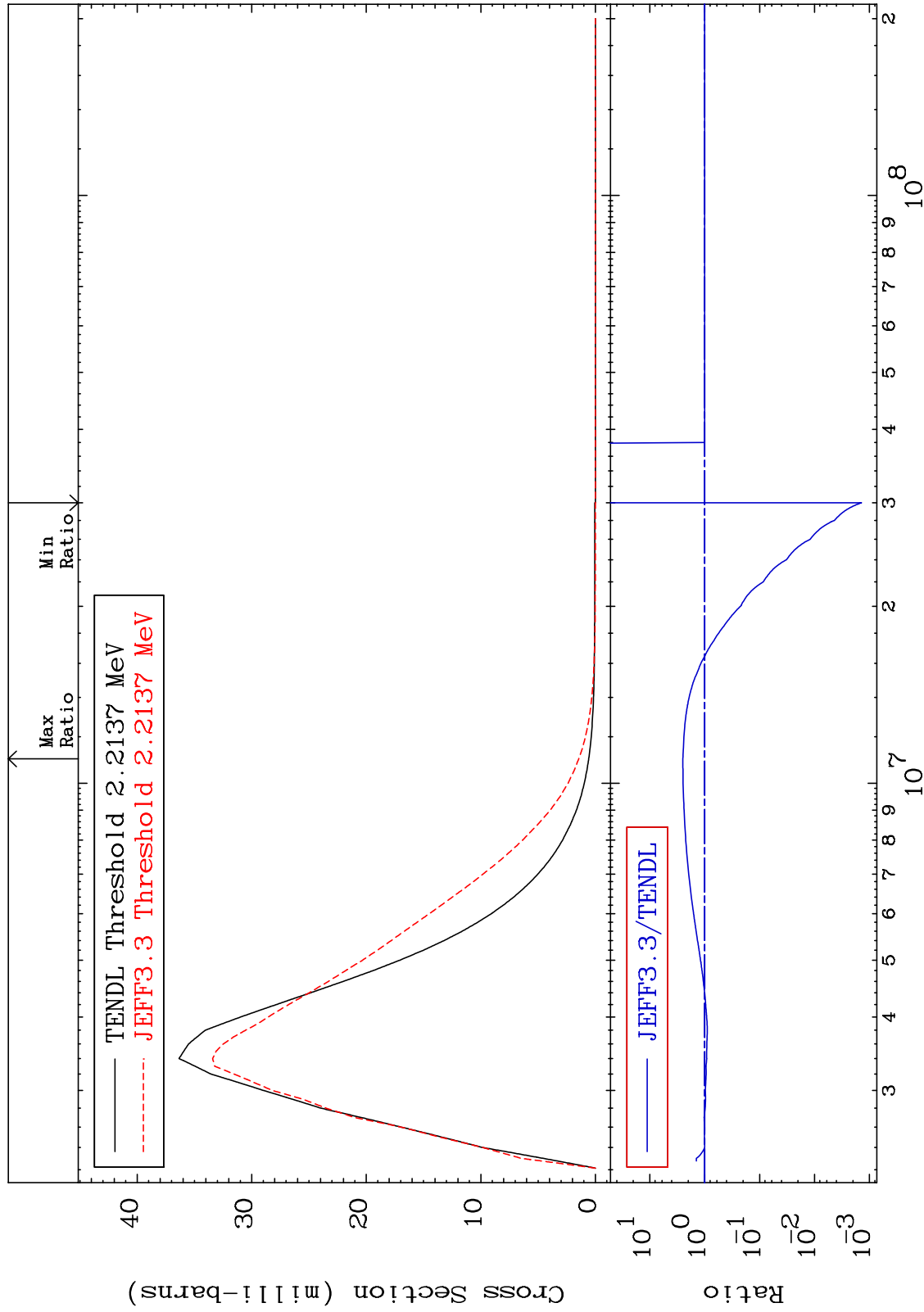
Incident Energy (eV)

24-Cr-53

MAT 2434

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

24-Cr-53
-99.86 To 150.0 %



10

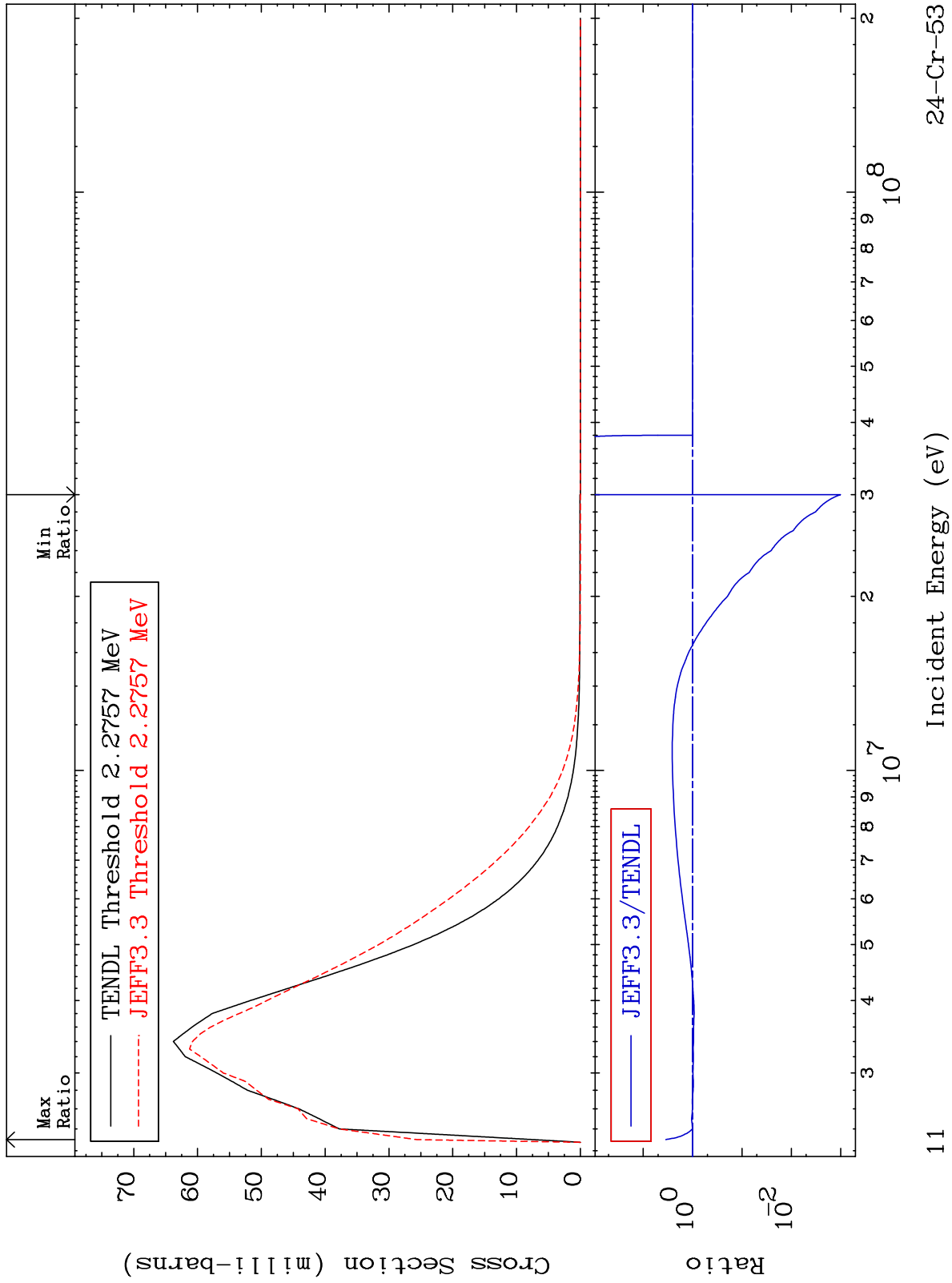
Incident Energy (eV)

24-Cr-53

MAT 2434

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

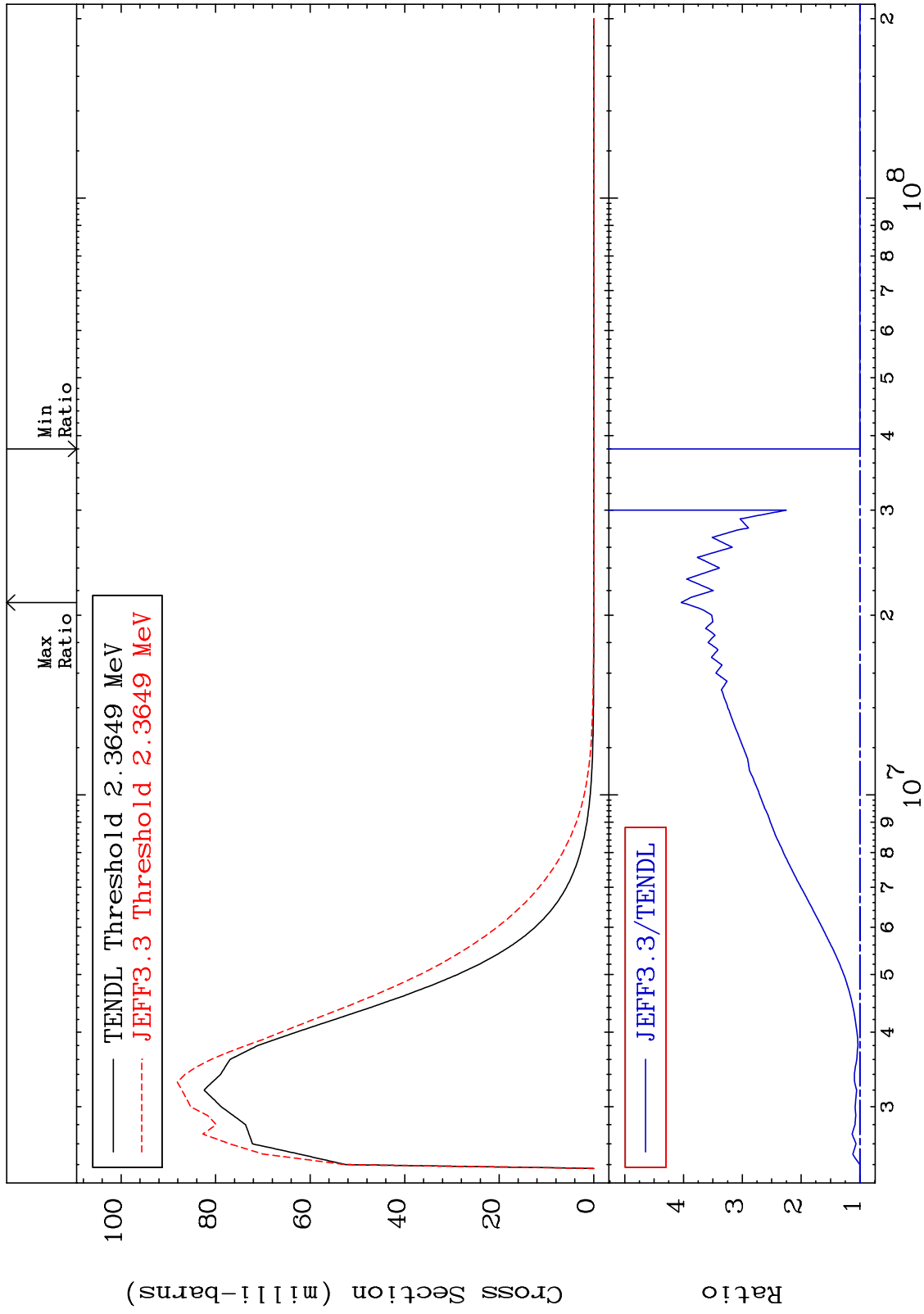
24-Cr-53
-99.90 To 247.2 %



MAT 2434

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

24-Cr-53
0.000 To 303.9 %



12

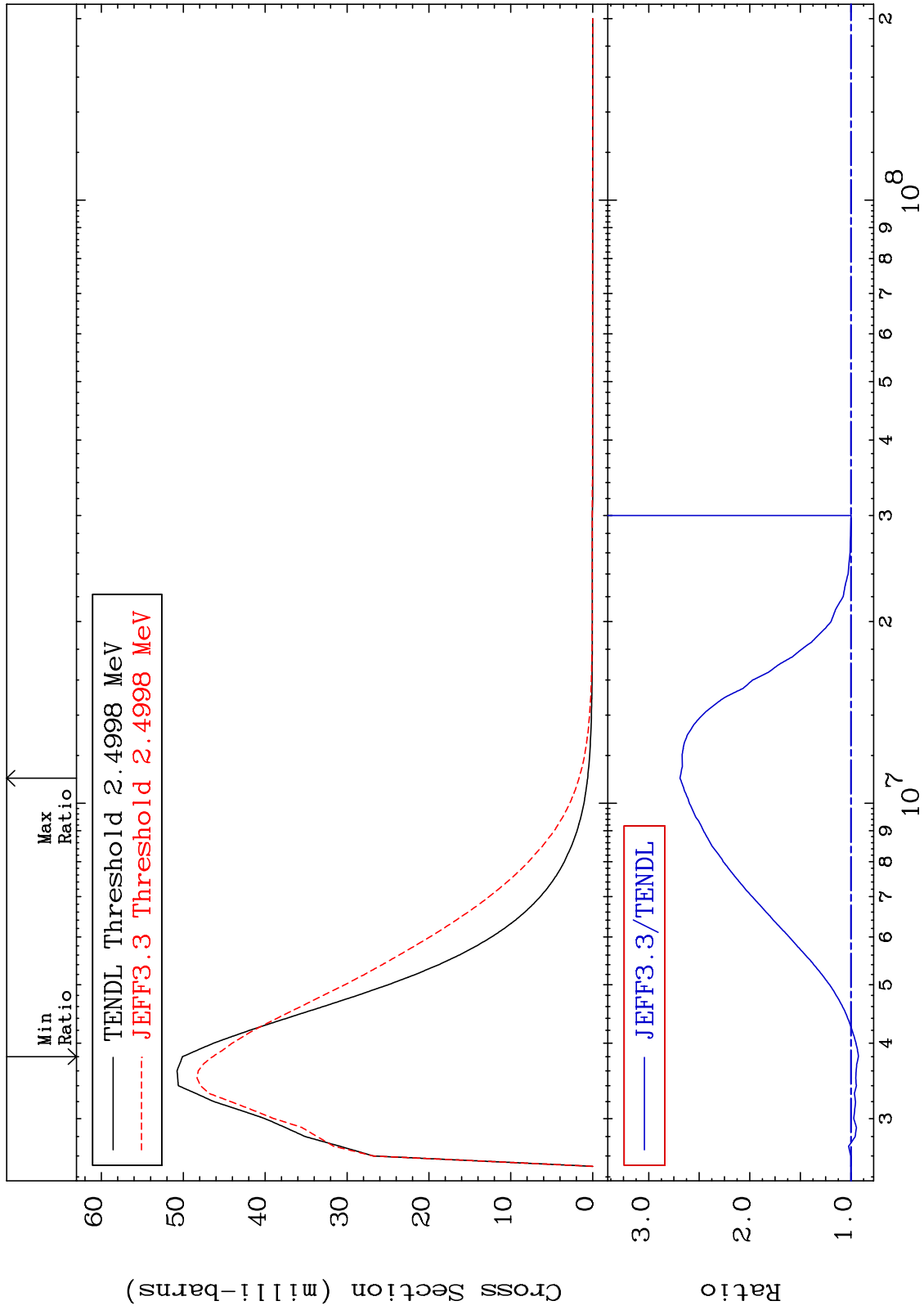
Incident Energy (eV)

24-Cr-53

MAT 2434

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

24-Cr-53
-7.363 To 169.0 %



13

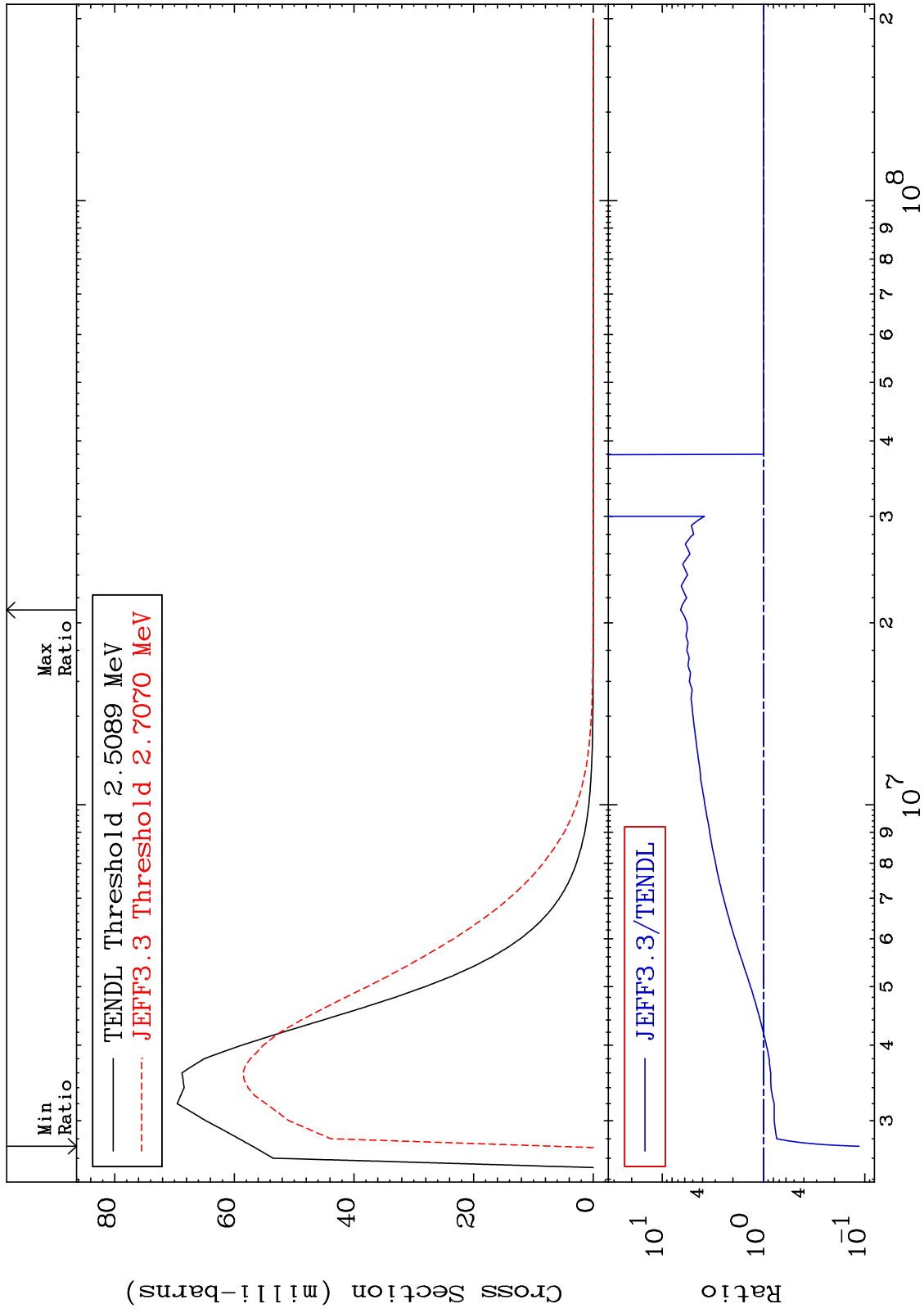
Incident Energy (eV)

24-Cr-53

MAT 2434

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

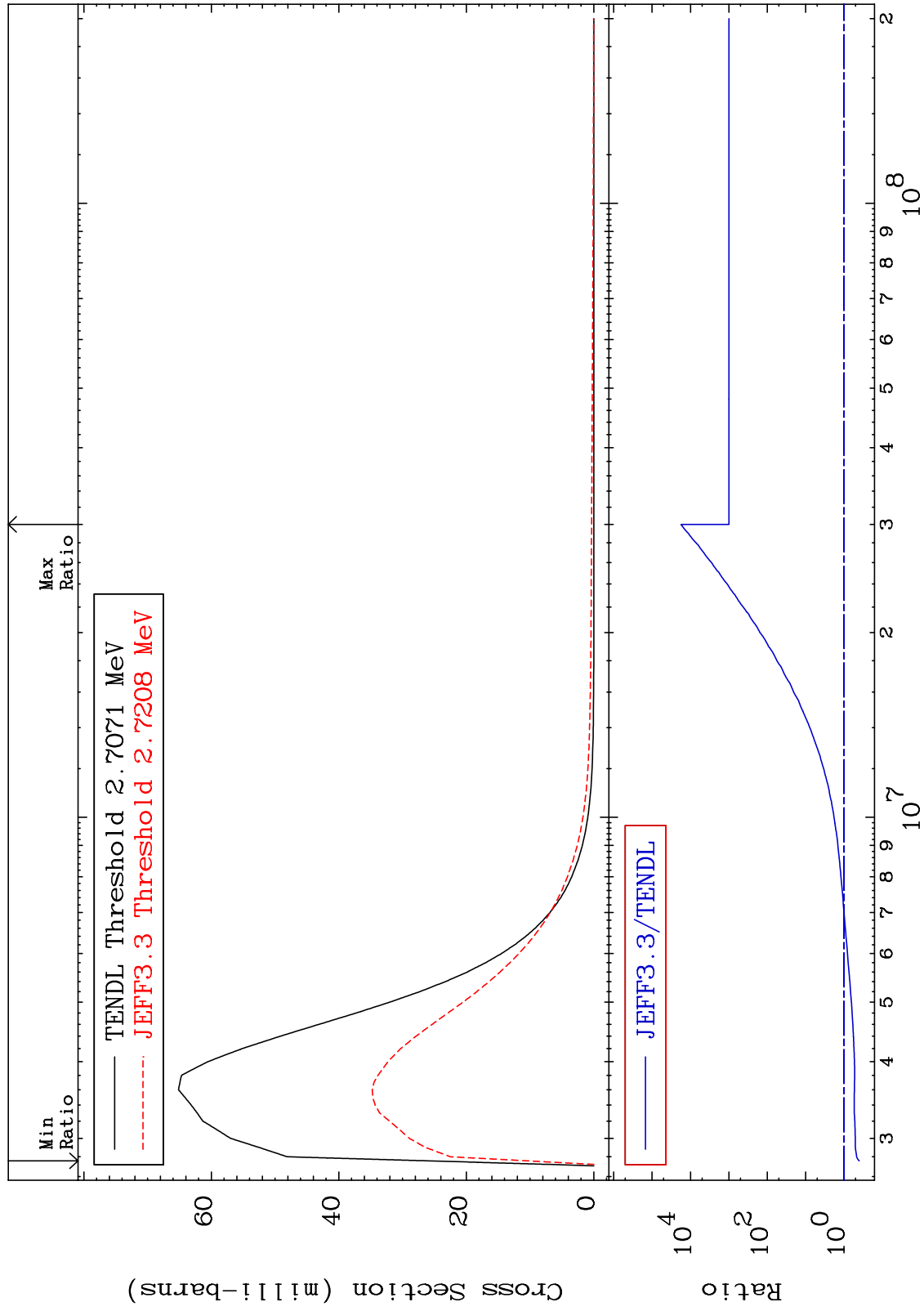
24-Cr-53
-88.61 To 558.3 %



MAT 2434

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

24-Cr-53
-60.10 To 9999. %



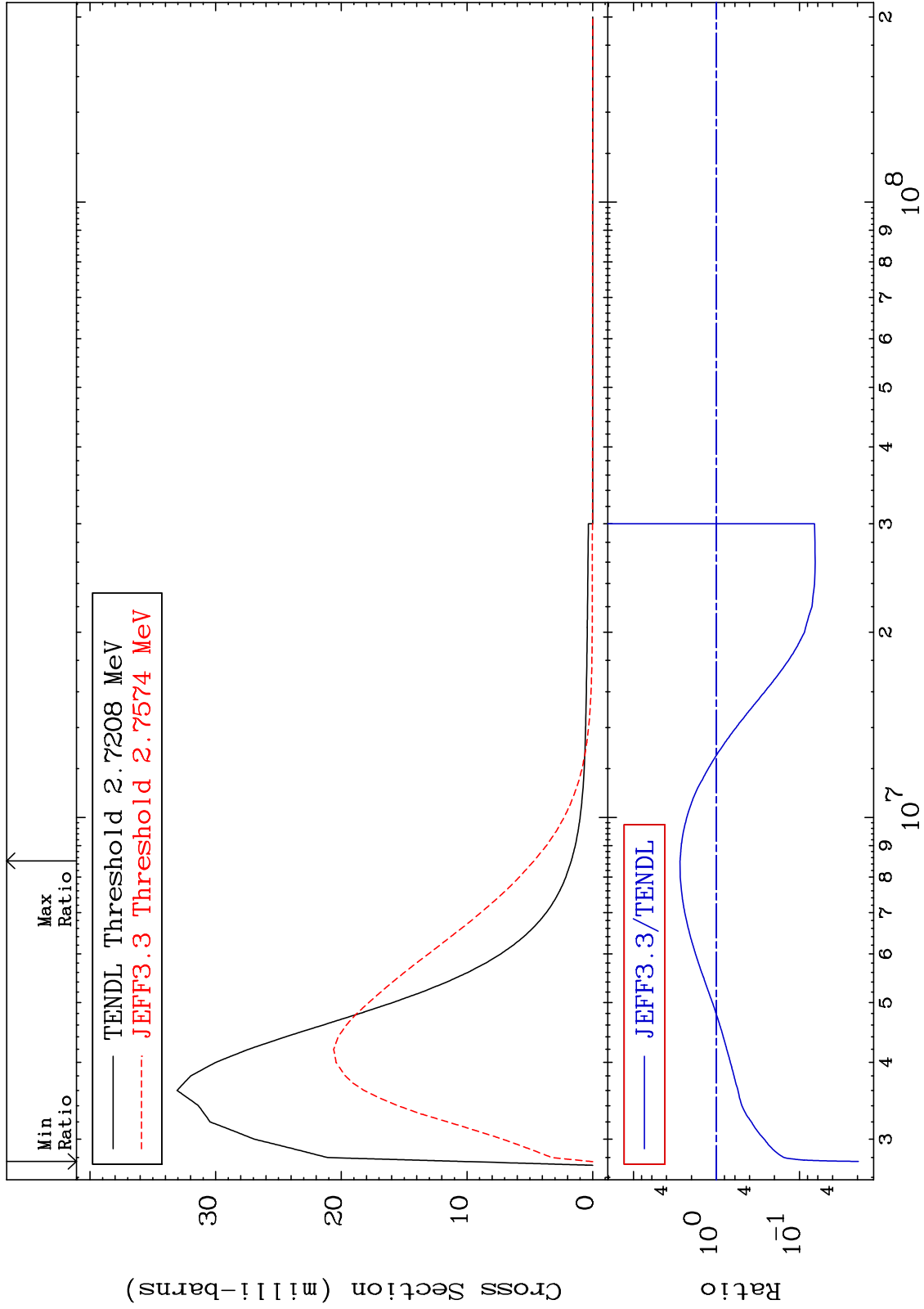
15

24-Cr-53

MAT 2434

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

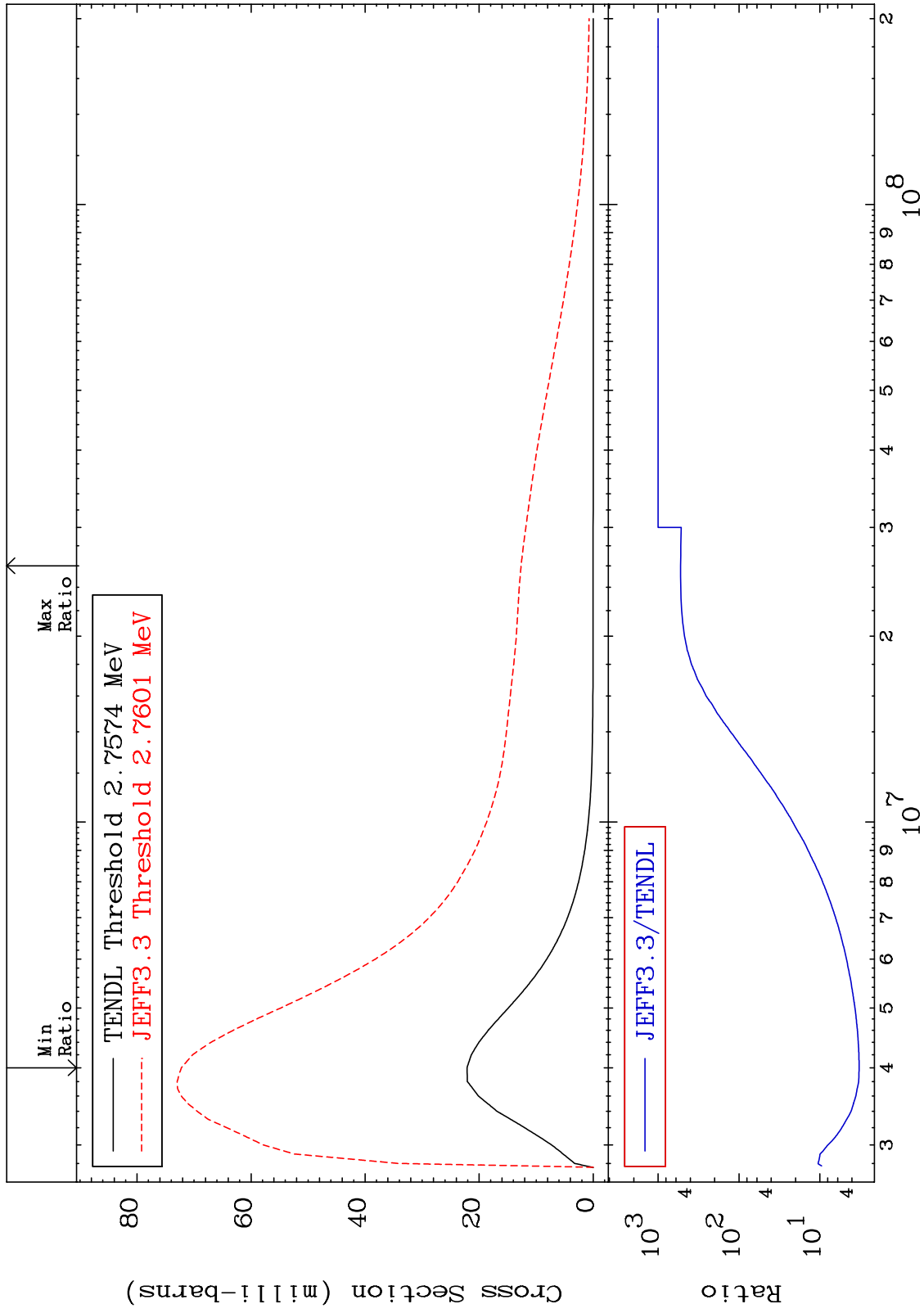
24-Cr-53
-98.05 To 174.9 %



MAT 2434

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

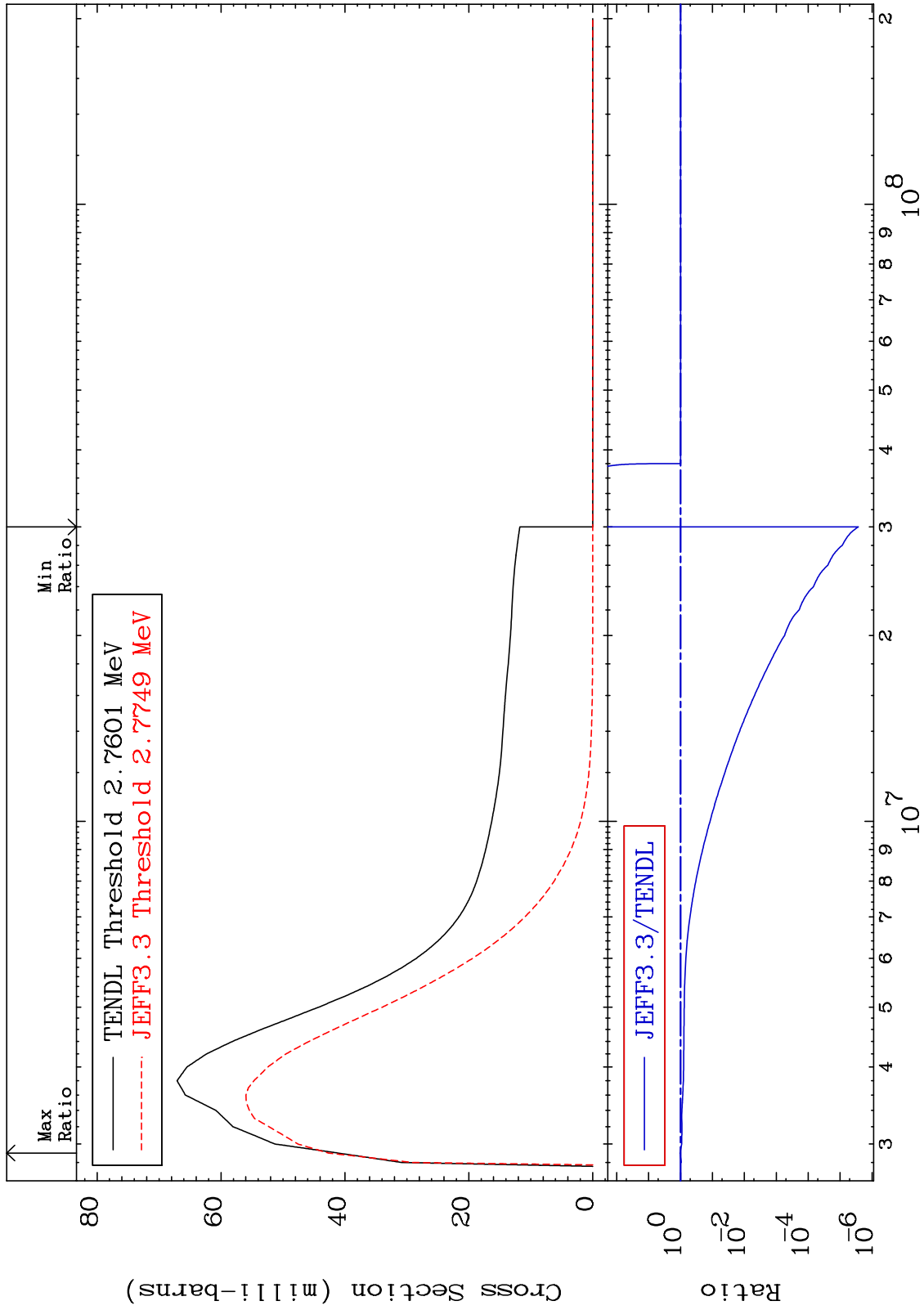
24-Cr-53
226.2 To 9999. %



MAT 2434

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

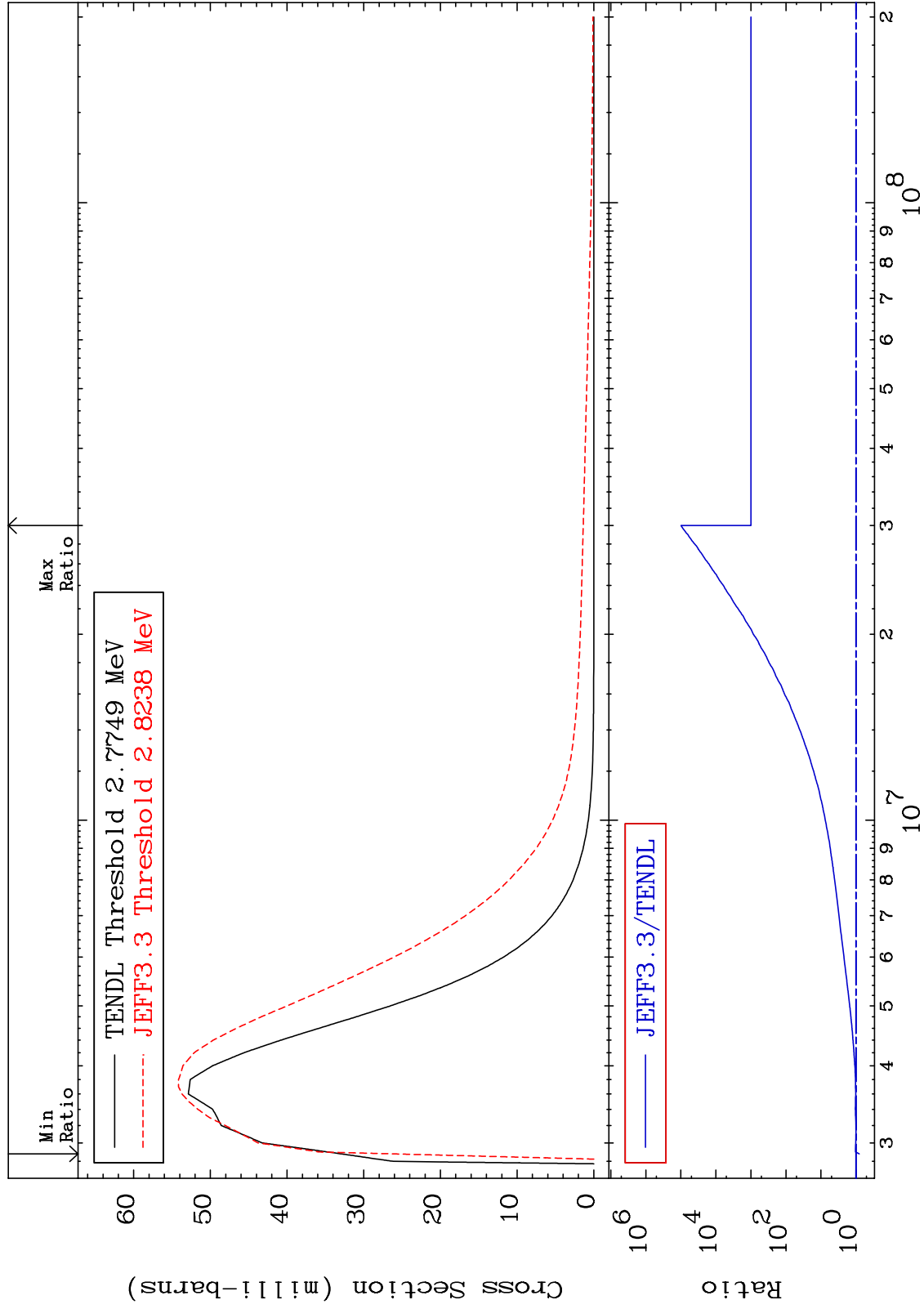
24-Cr-53
-100.0 To 3.867 %



MAT 2434

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

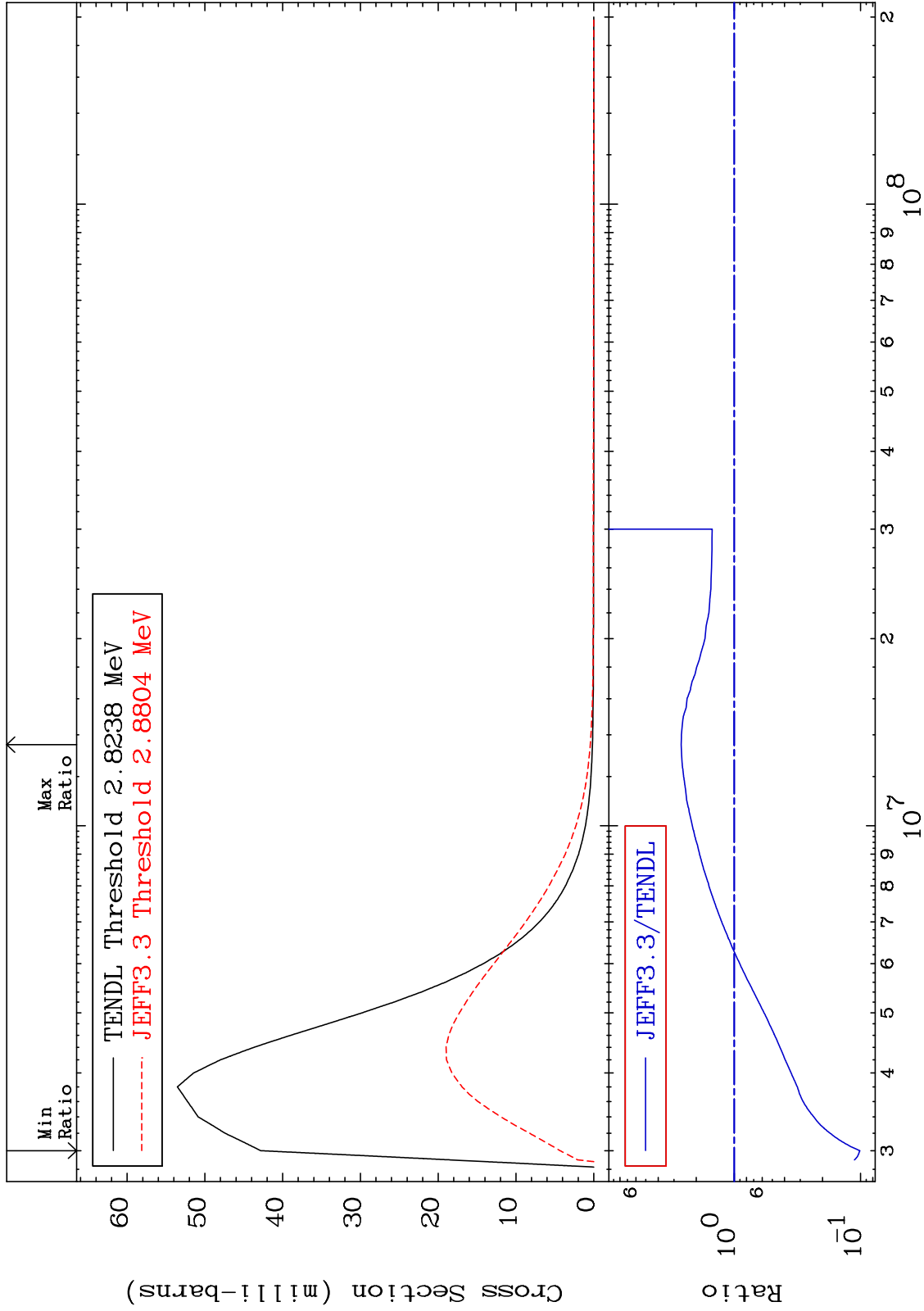
24-Cr-53
-19.55 To 9999. %



MAT 2434

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

24-Cr-53
-89.89 To 162.5 %



20

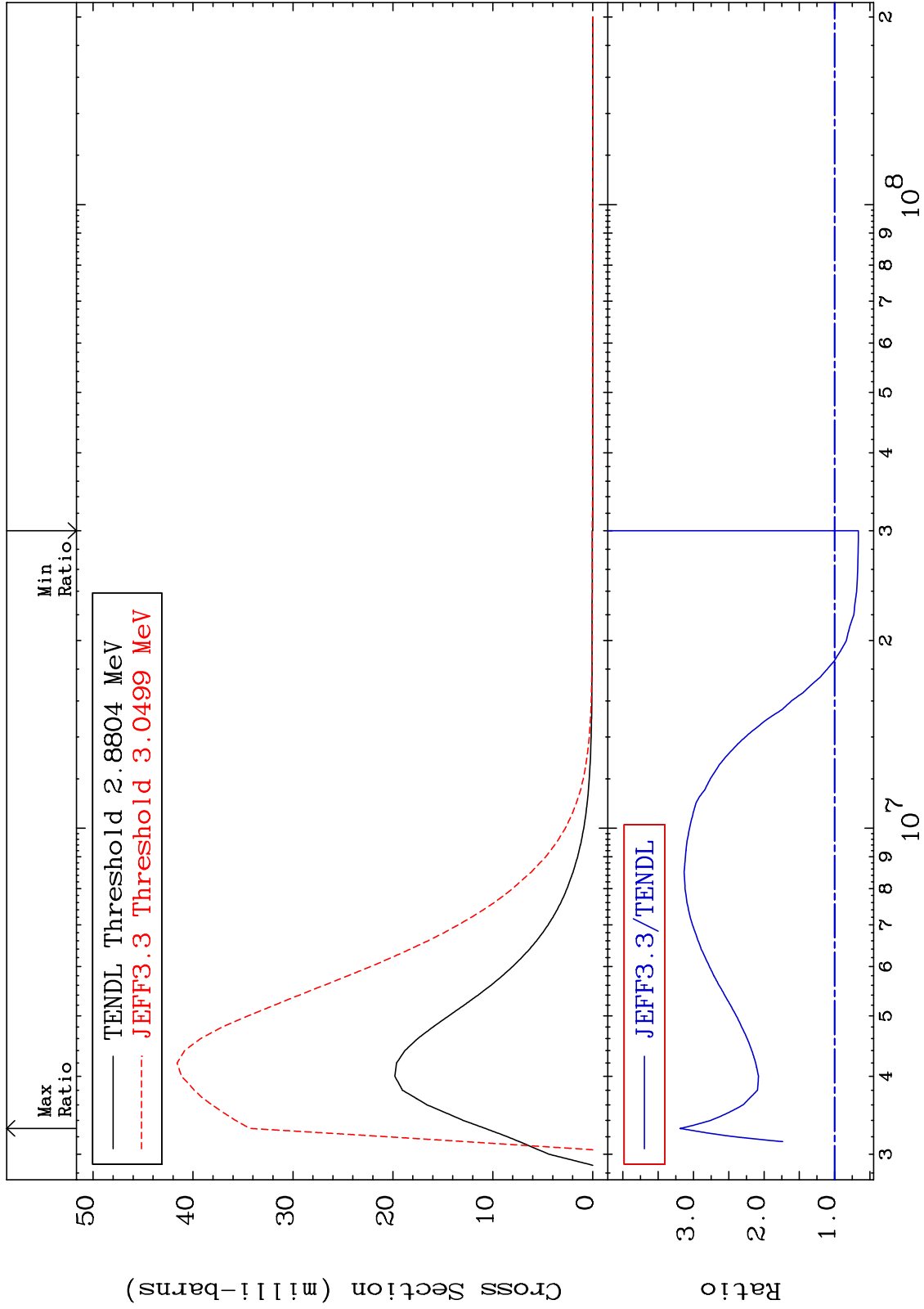
Incident Energy (eV)

24-Cr-53

MAT 2434

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

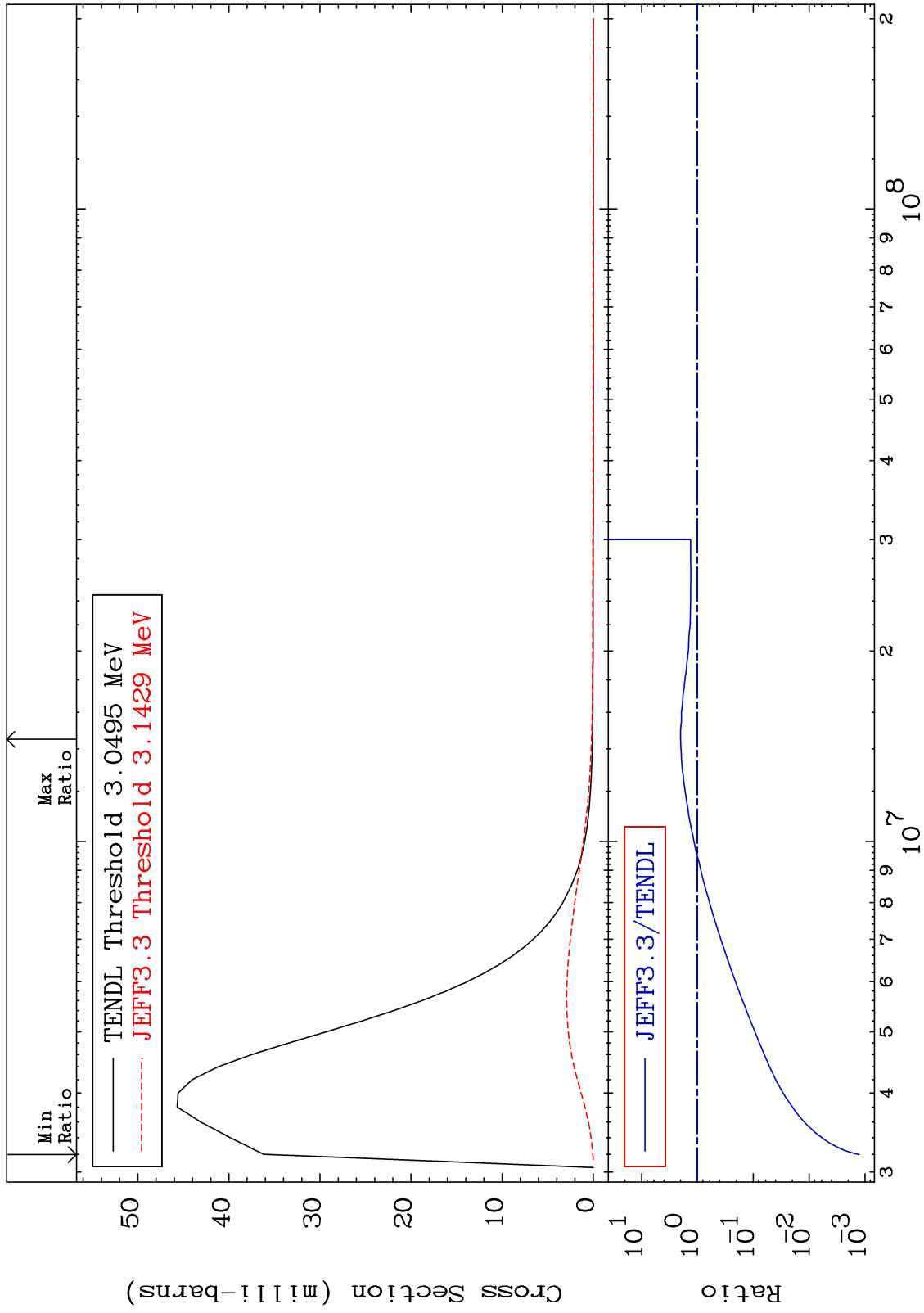
24-Cr-53
-33.66 To 219.1 %



MAT 2434

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

24-Cr-53
-99.87 To 100.3 %



22

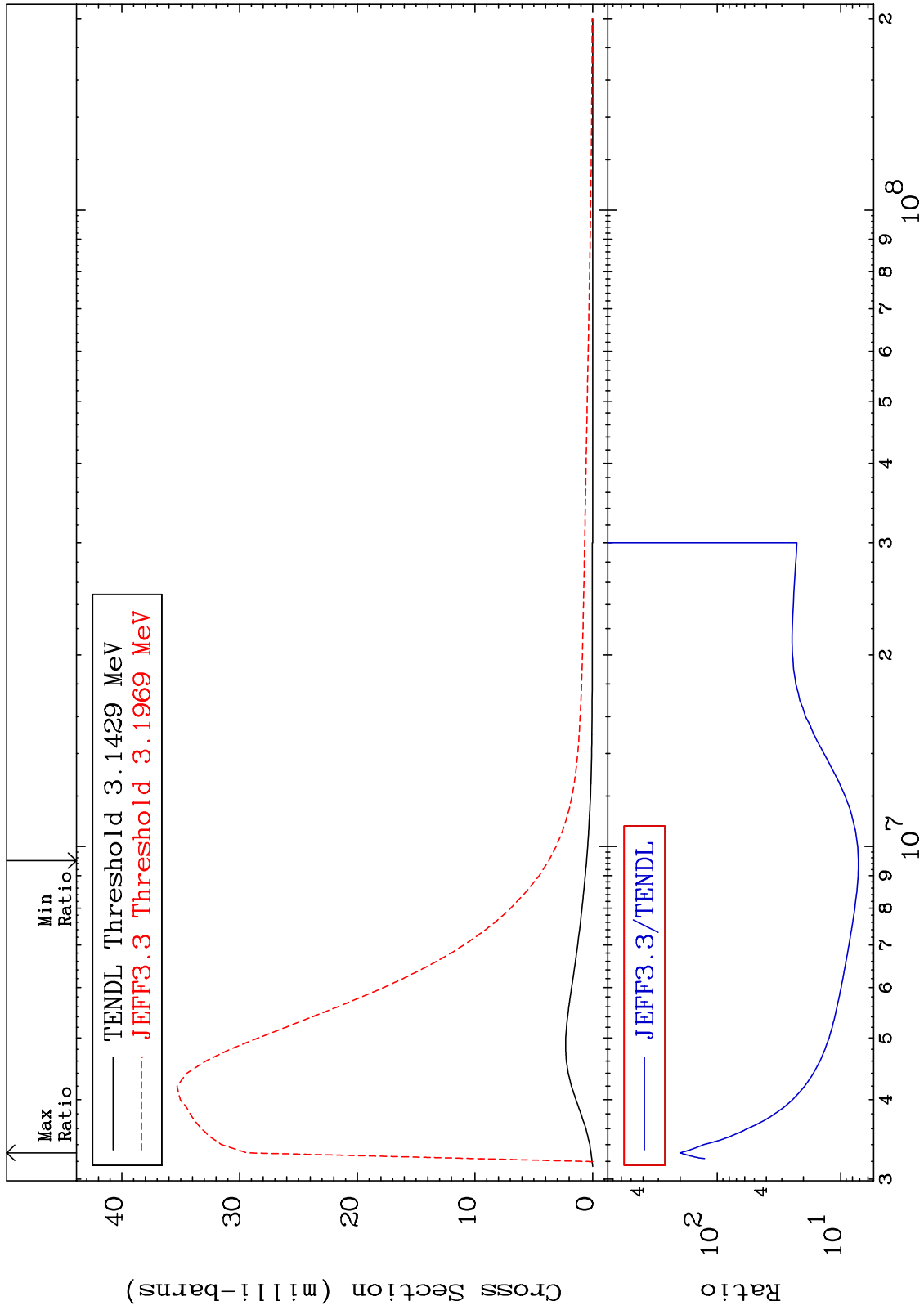
Incident Energy (eV)

24-Cr-53

MAT 2434

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

24-Cr-53
617.2 To 9999. %



23

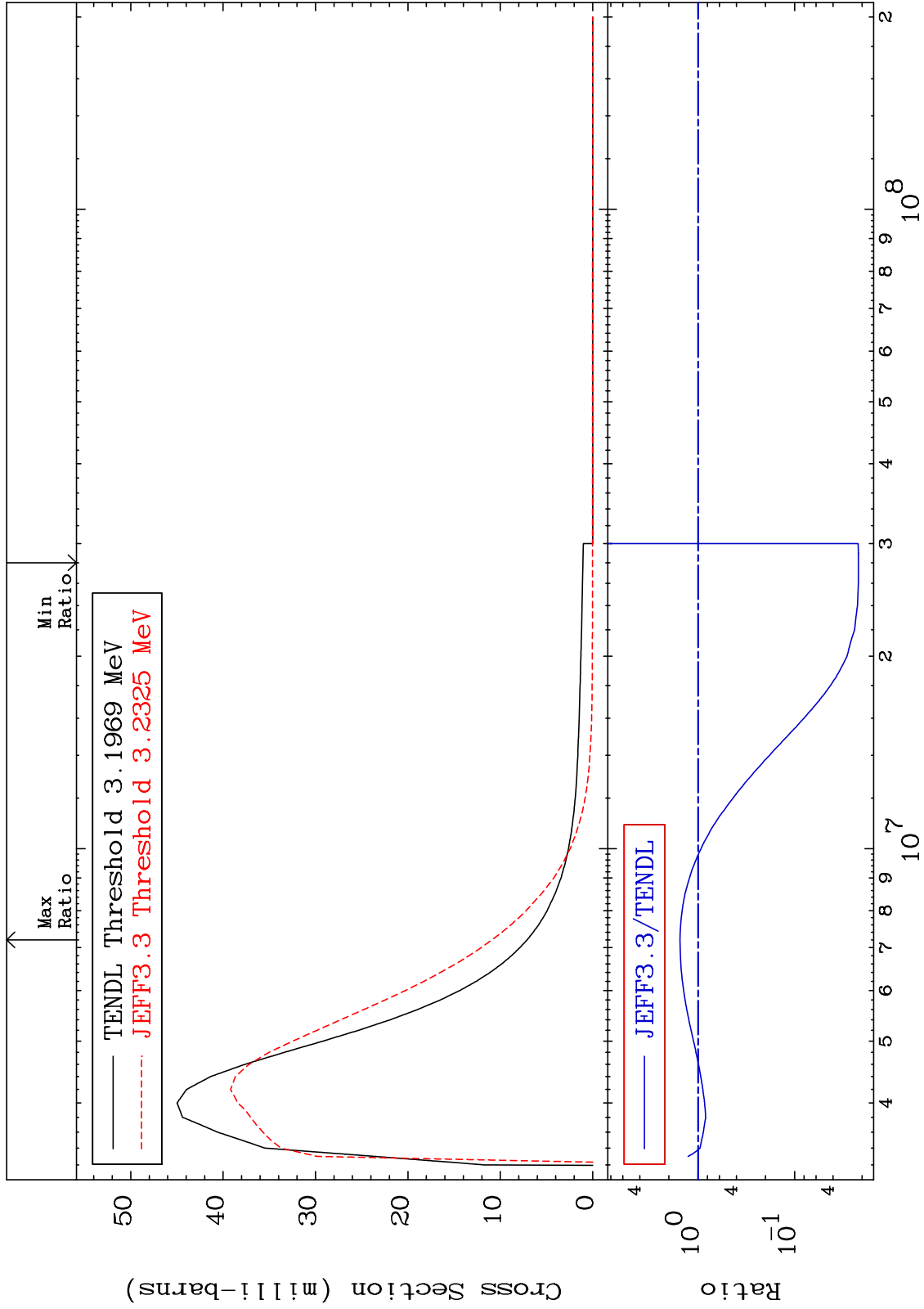
Incident Energy (eV)

24-Cr-53

MAT 2434

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

24-Cr-53
-97.81 To 53.45 %



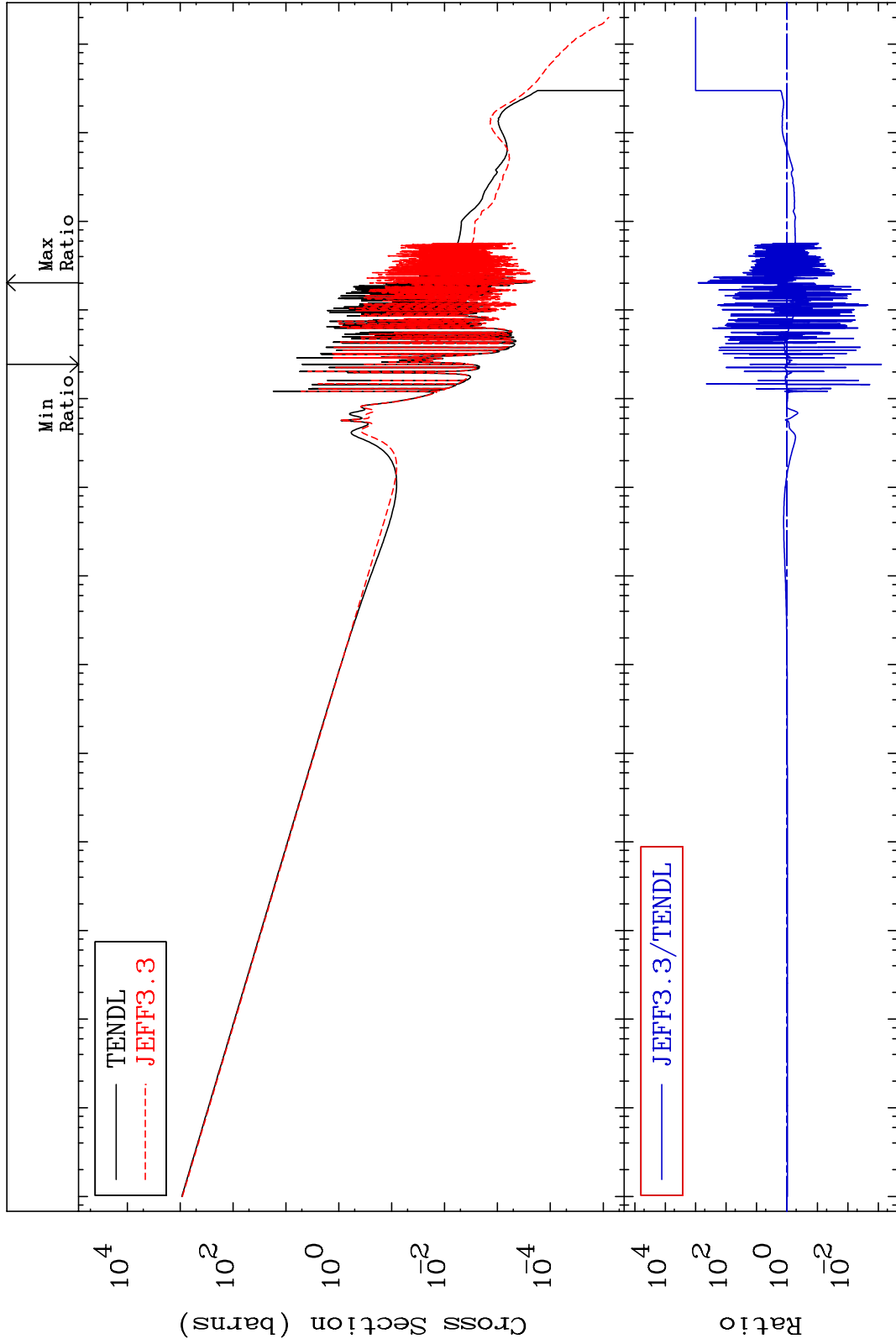
MAT 2434

(n, γ)

24-Cr-53

Cross Section

-99.92 To 9999. %



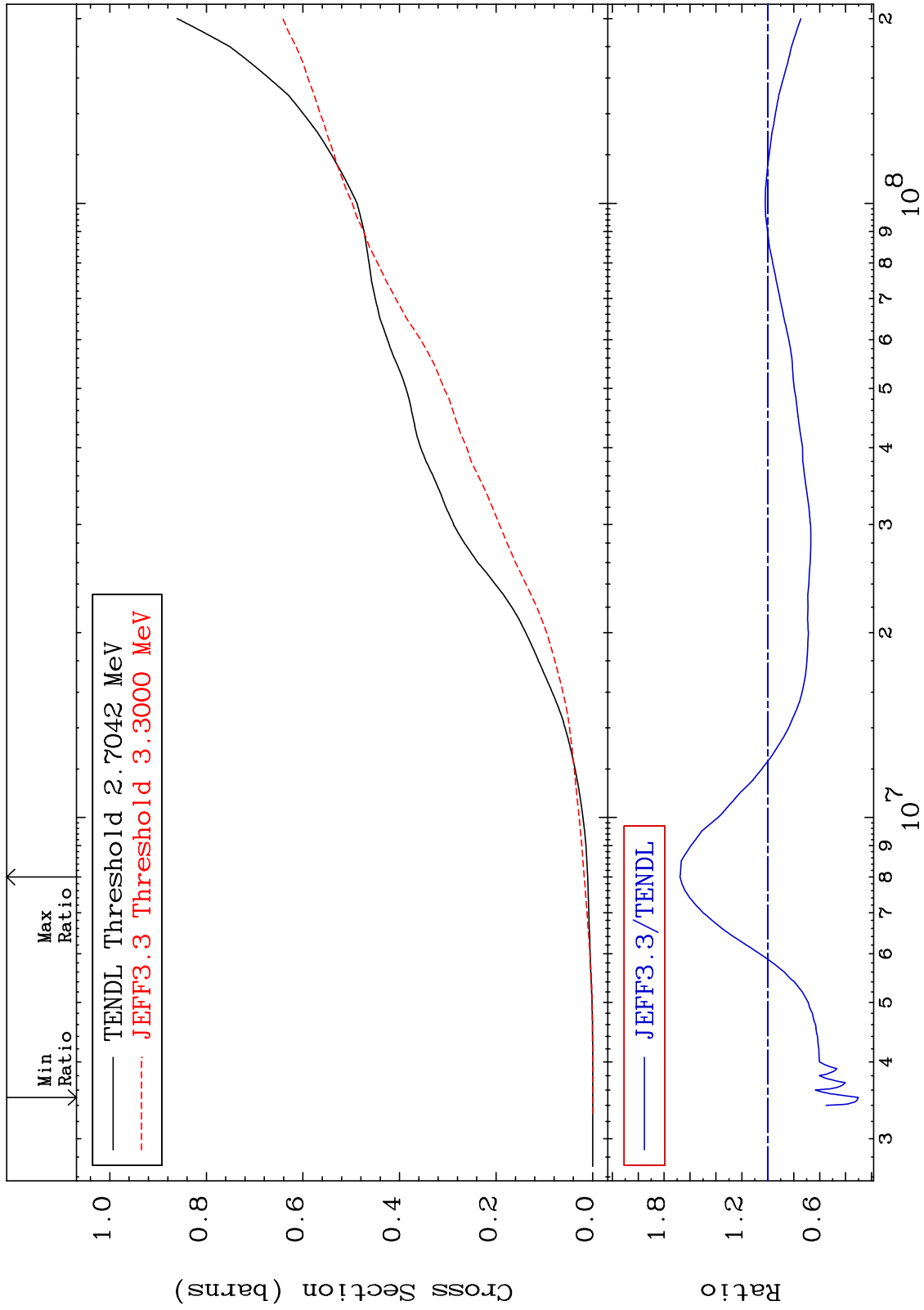
Incident Energy (eV)

24-Cr-53

MAT 2434

Hydrogen Production
Cross Section

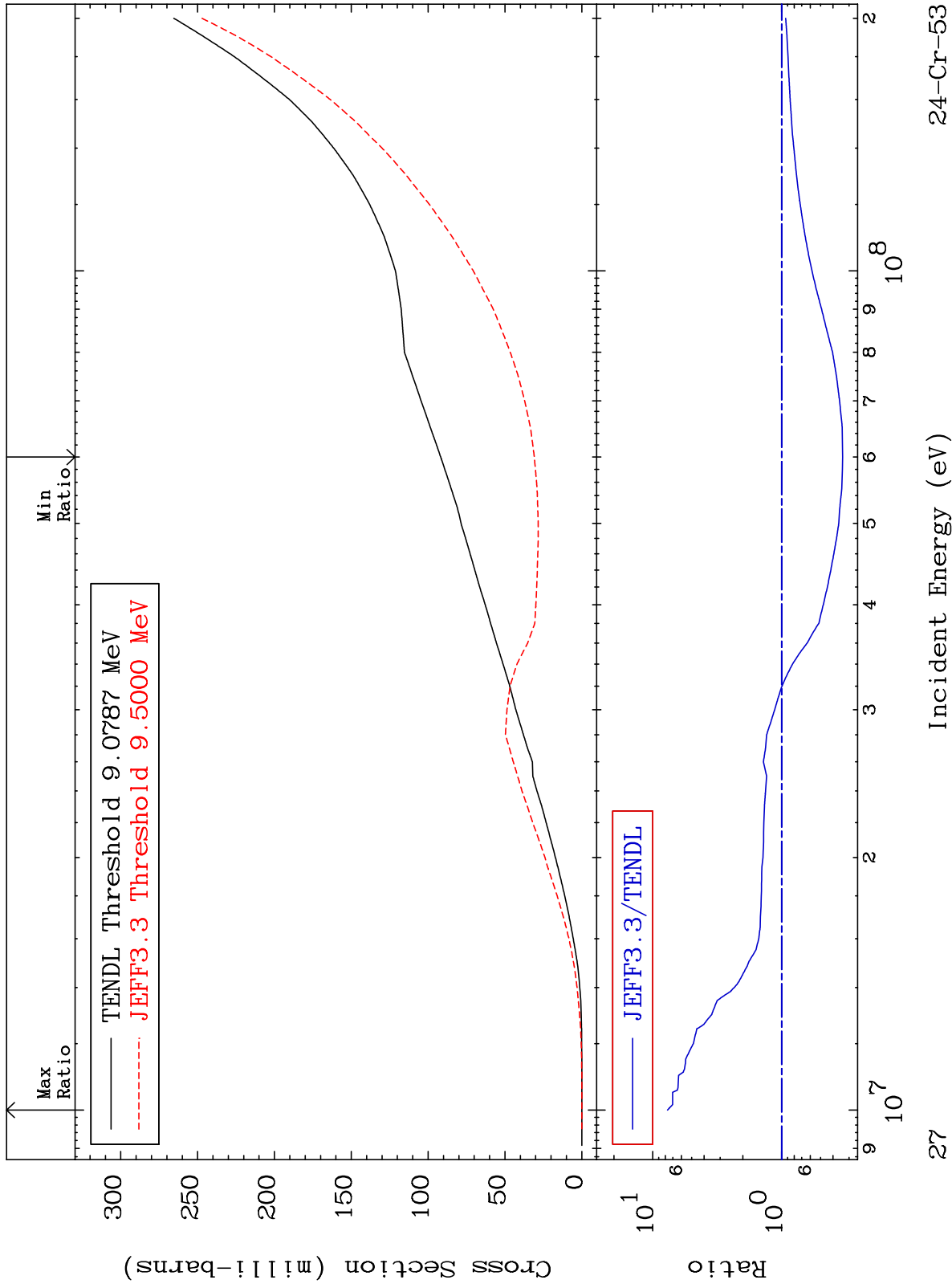
²⁴Cr-53
-69.90 To 67.73 %



MAT 2434

Deuterium Production
Cross Section

²⁴Cr-53
-66.34 To 668.4 %



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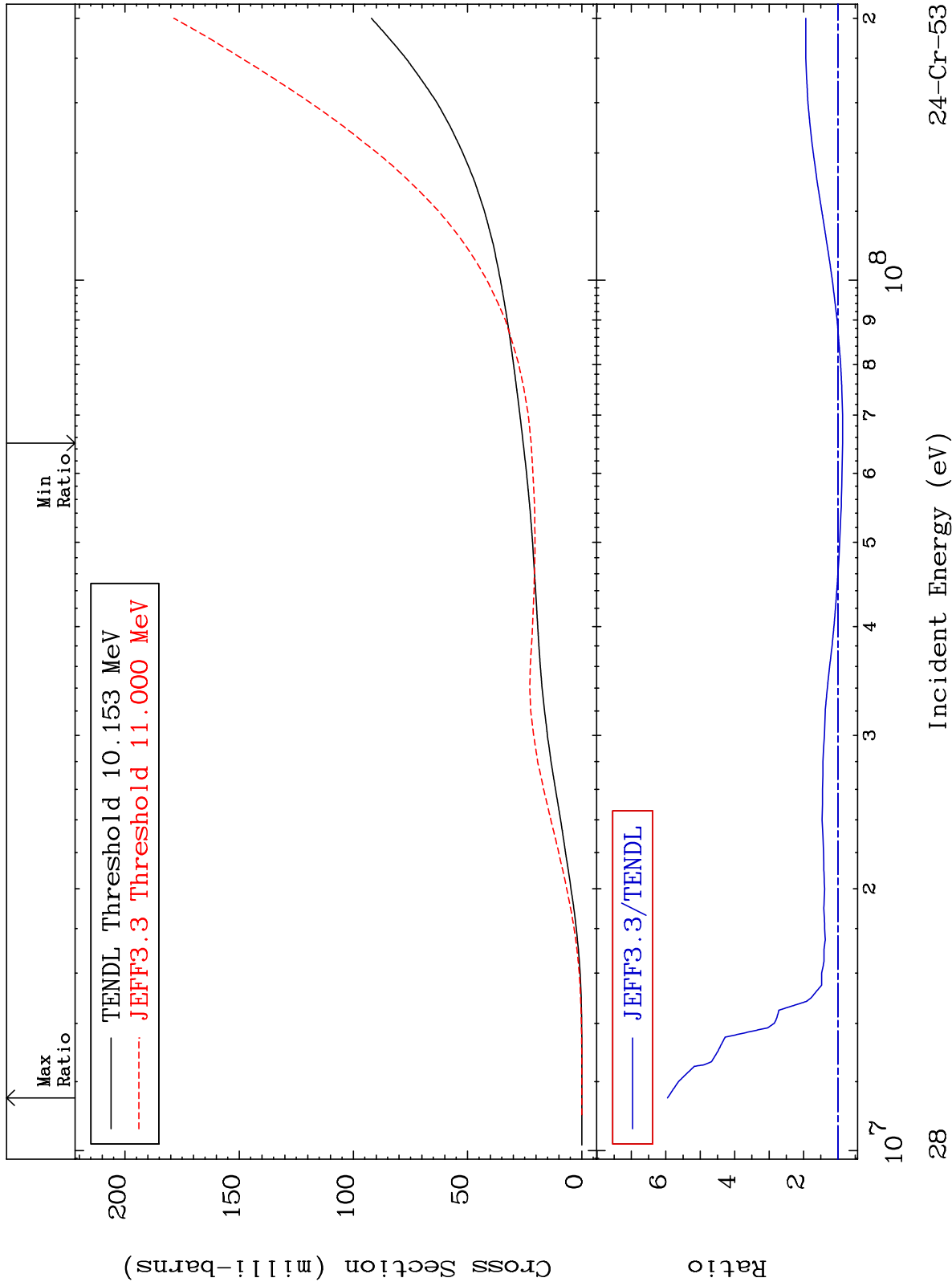
Incident Energy (eV)

²⁴Cr-53

MAT 2434

Tritium Production
Cross Section

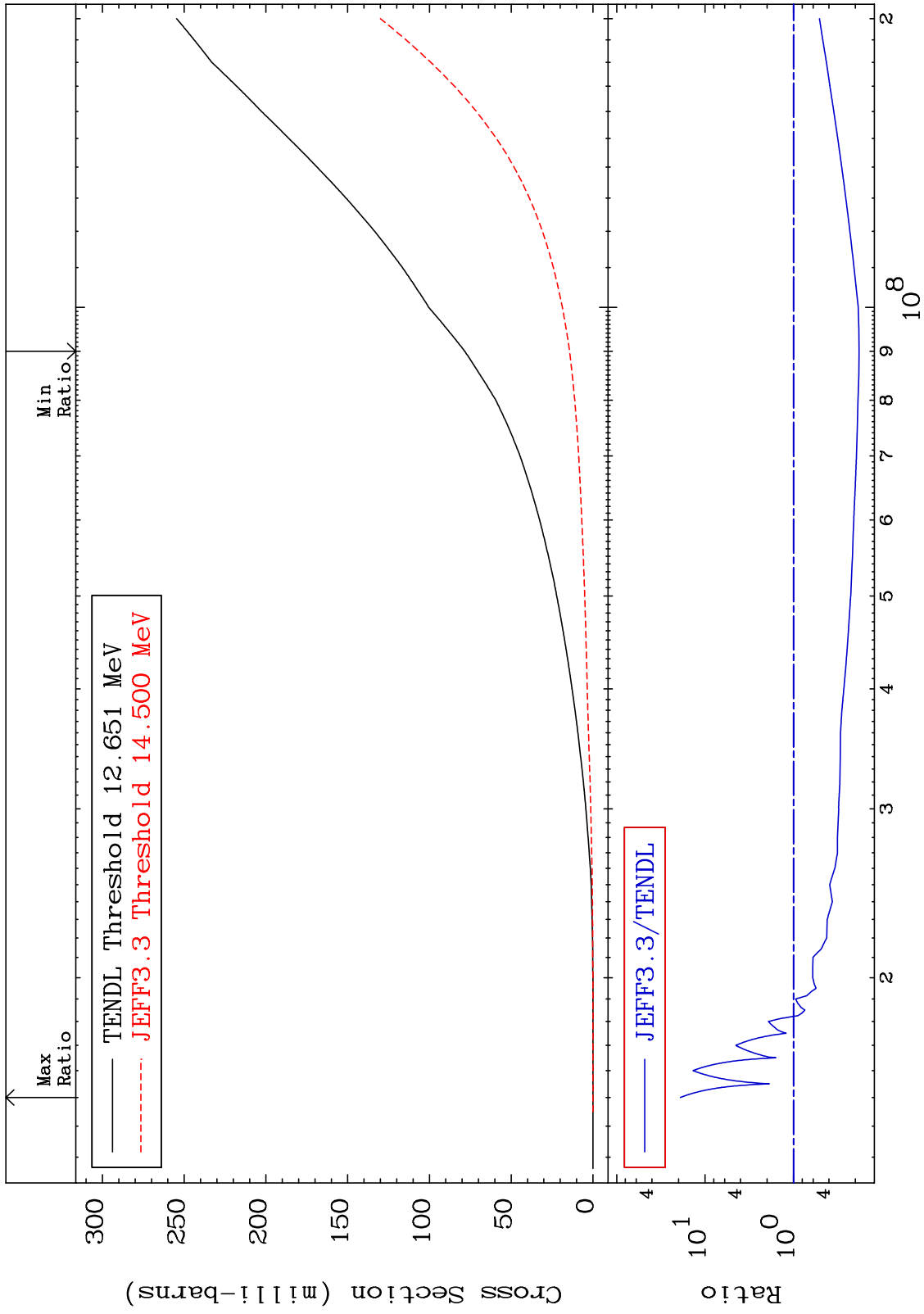
²⁴Cr-53
-13.54 To 495.0 %



MAT 2434

He-3 Production
Cross Section

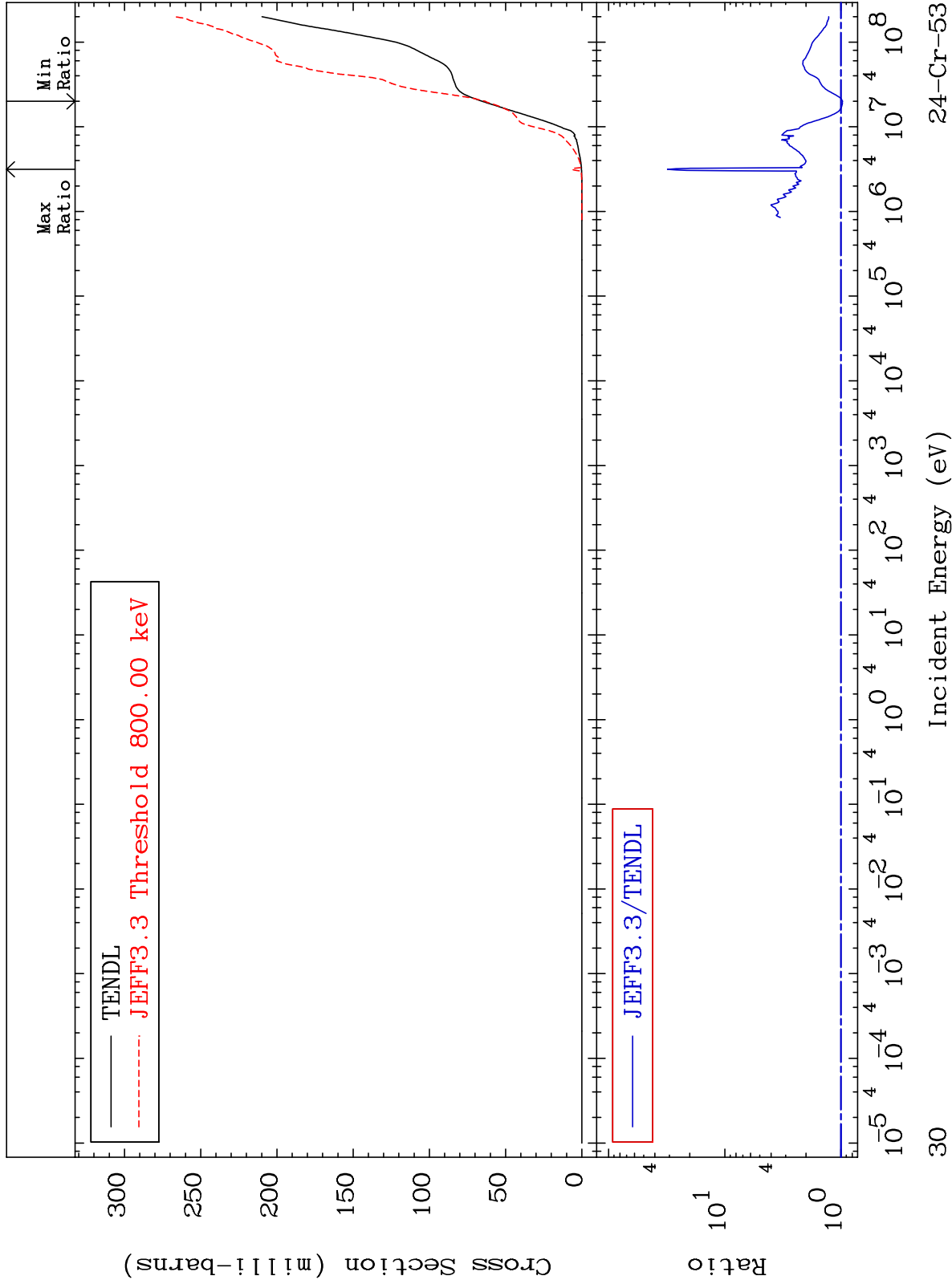
24-Cr-53
-81.82 To 1803. %



MAT 2434

He-4 Production
Cross Section

24-Cr-53
-3.236 To 3011. %



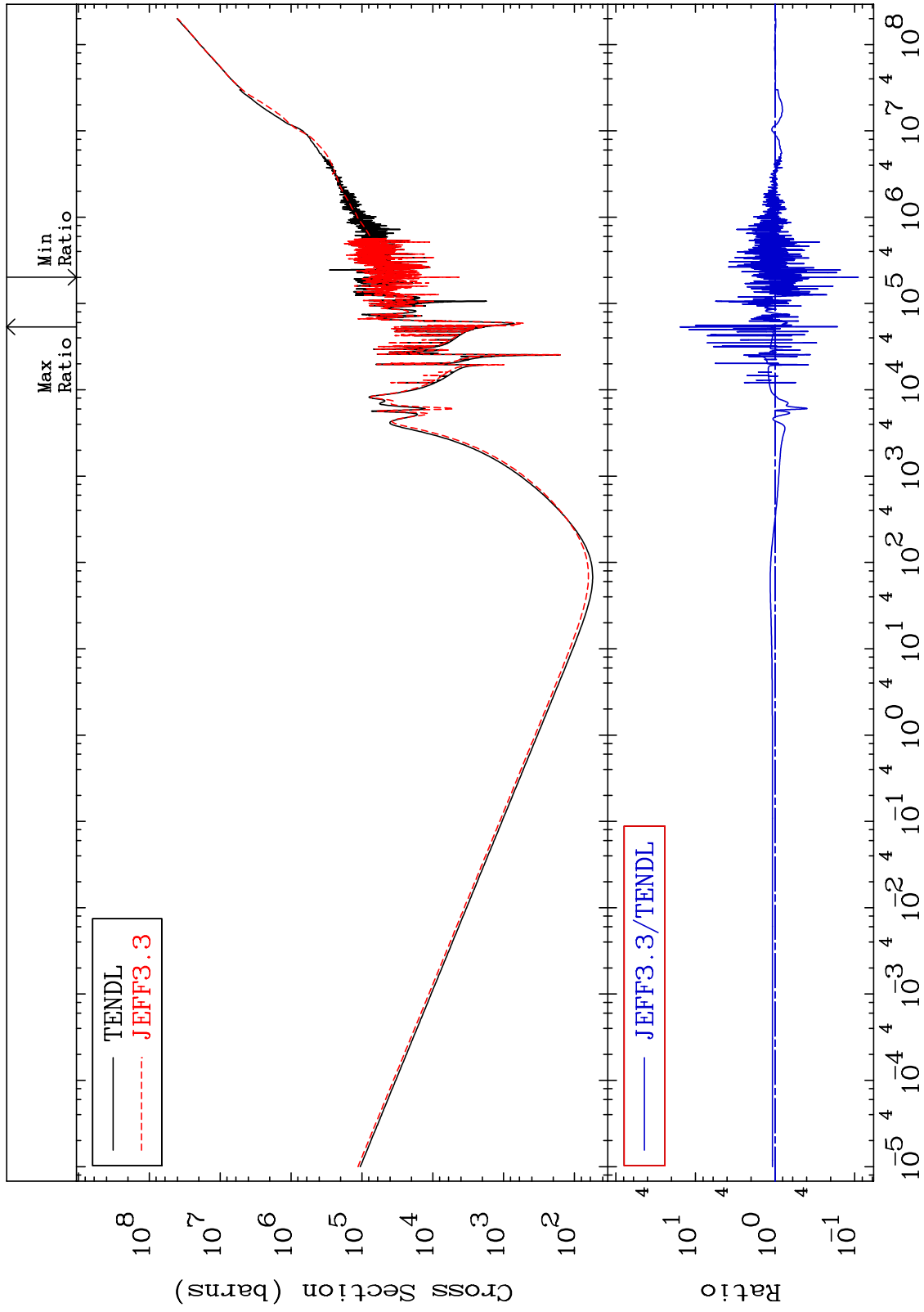
30

24-Cr-53

MAT 2434

Kerma total (eV-barns)
Cross Section

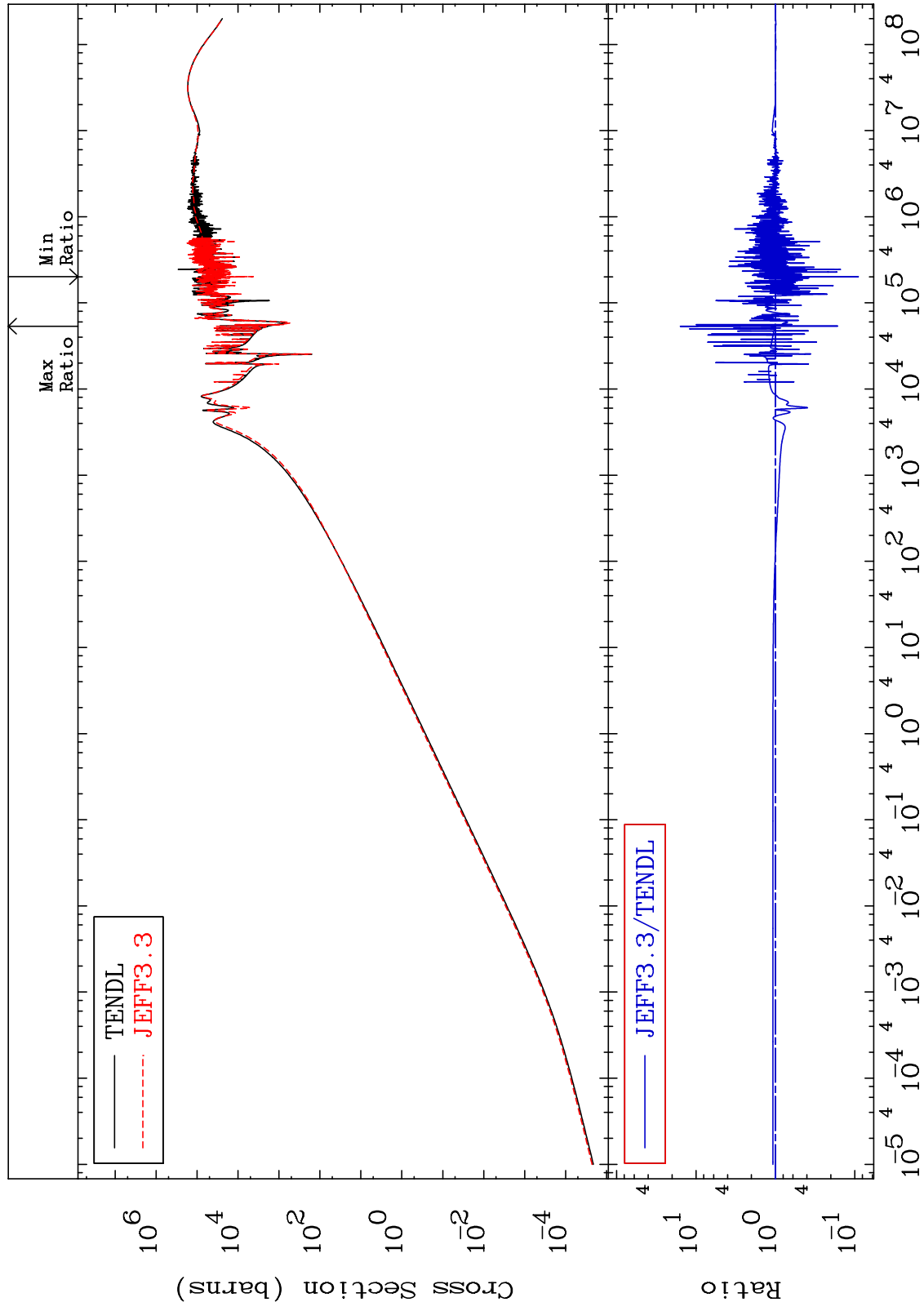
24-Cr-53
-91.04 To 1462. %



MAT 2434

Kerma elastic
Cross Section

24-Cr-53
-91.04 To 1470. %



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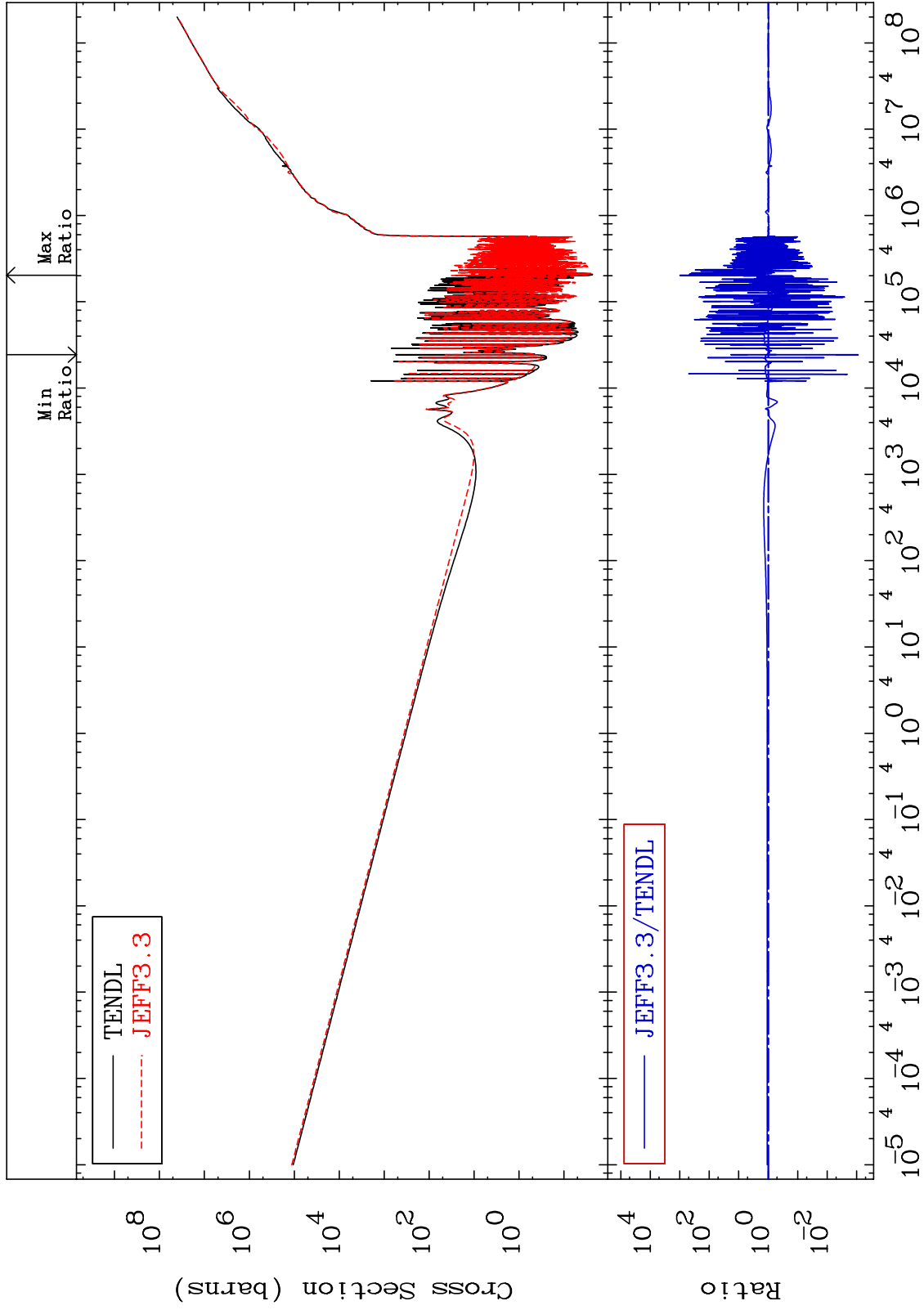
Incident Energy (eV)

24-Cr-53

MAT 2434

Kerma non-elastic (all but mt2)
Cross Section

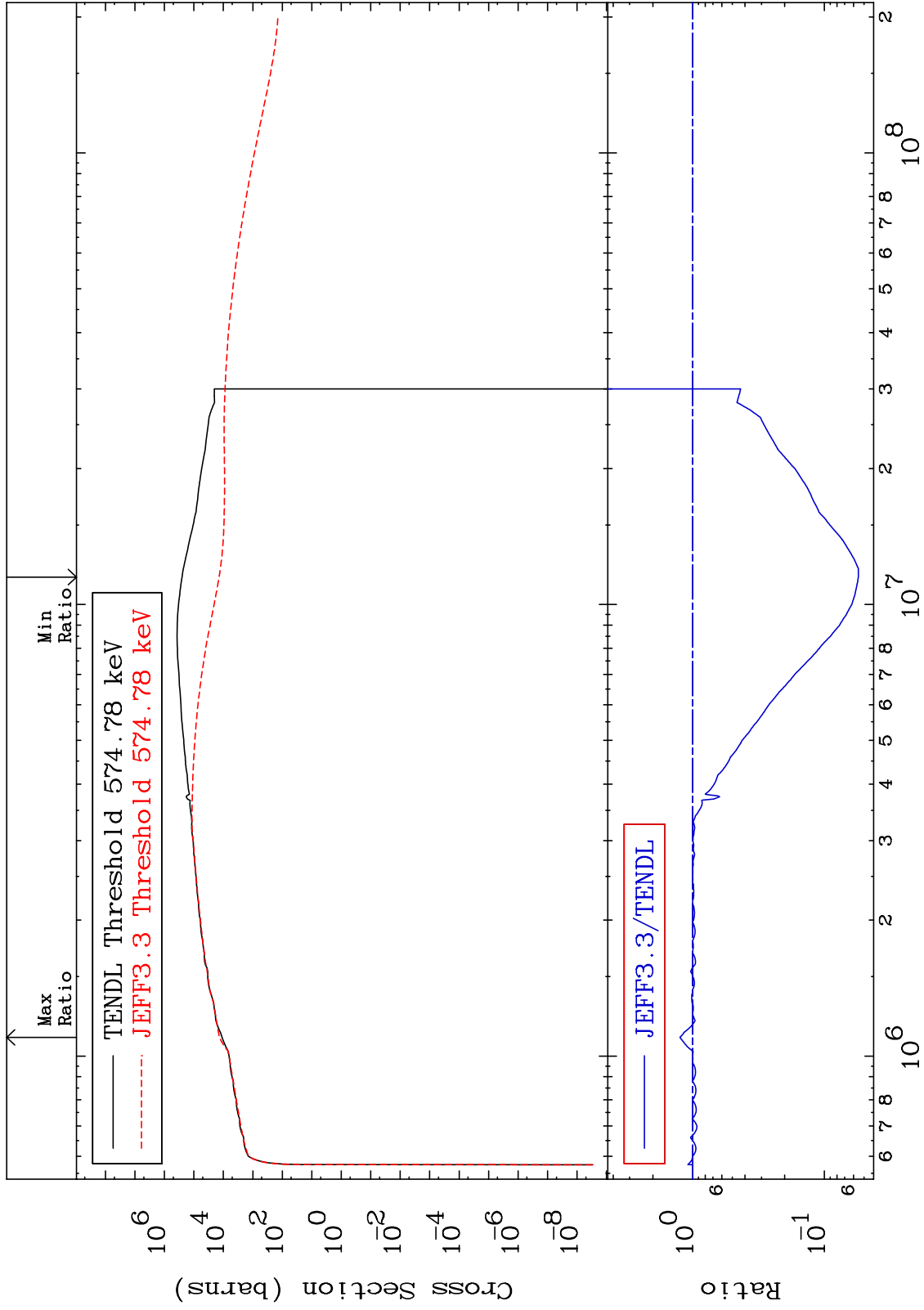
24-Cr-53
-99.91 To 9999. %



MAT 2434

Kerma inelastic (mt51-91)
Cross Section

24-Cr-53
-94.49 To 24.44 %



34

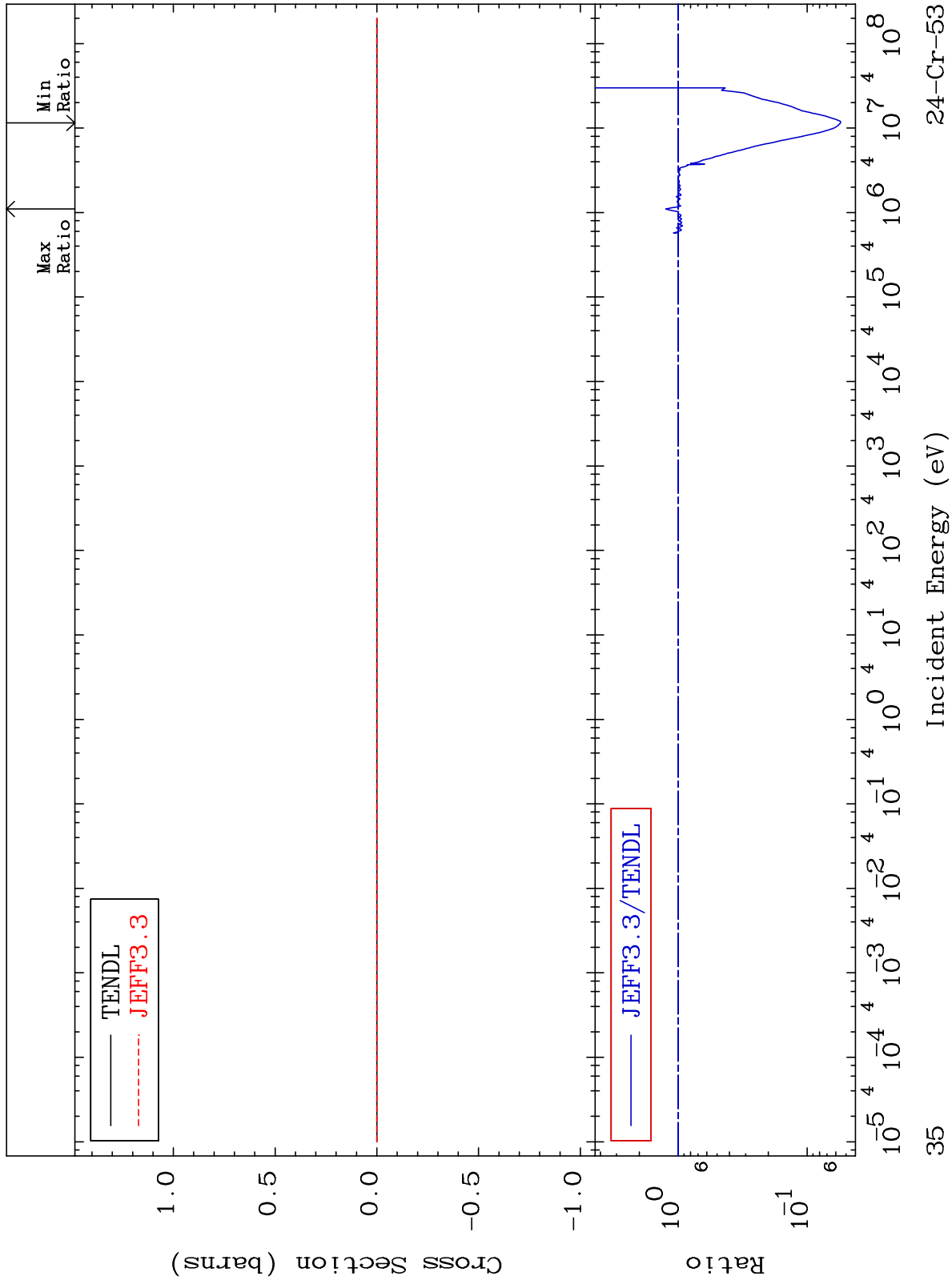
Incident Energy (eV)

24-Cr-53

MAT 2434

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

24-Cr-53
-94.49 To 24.44 %



35

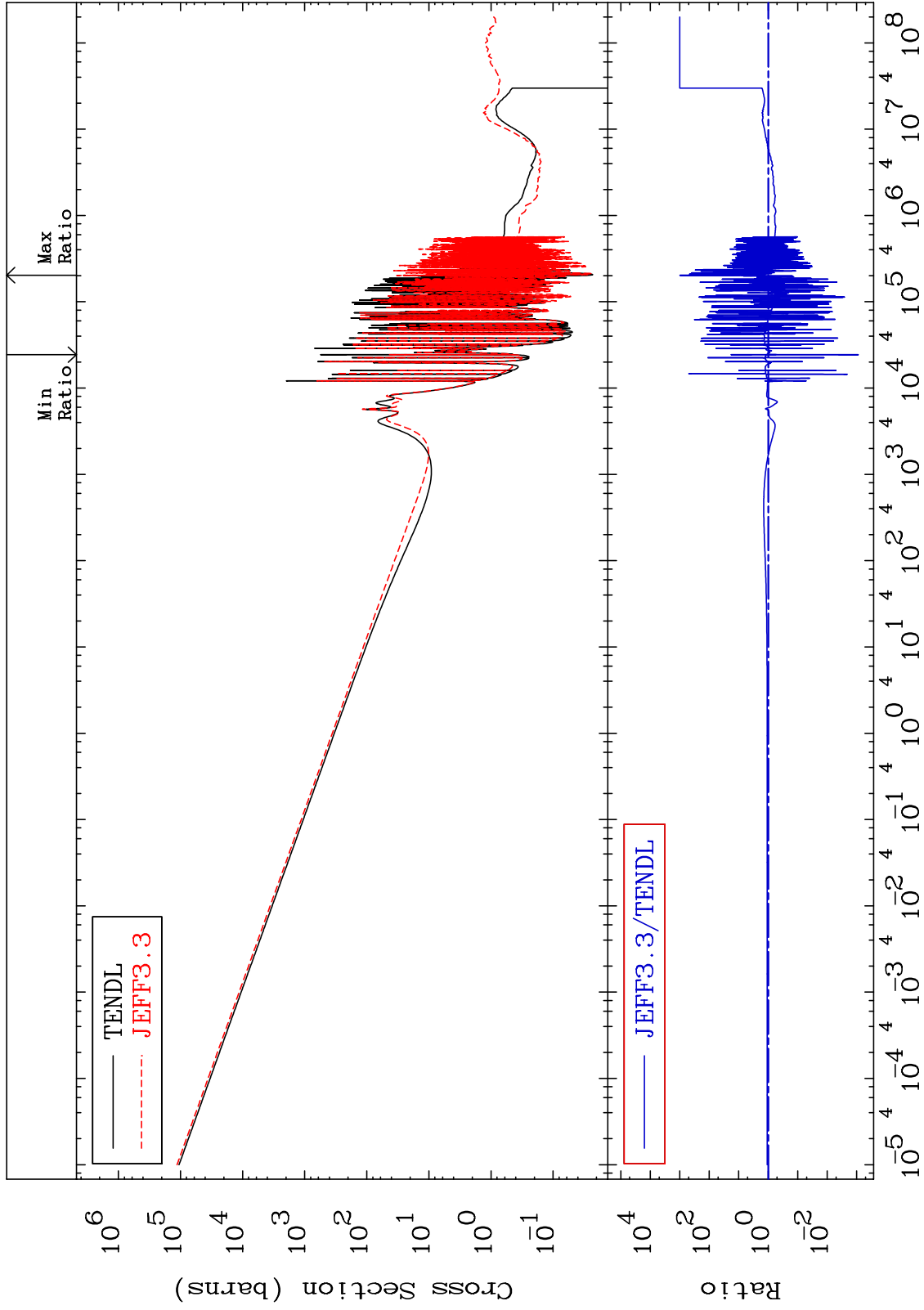
Incident Energy (eV)

24-Cr-53

MAT 2434

Kerma capture (mt102)
Cross Section

24-Cr-53
-99.91 To 9999. %



36

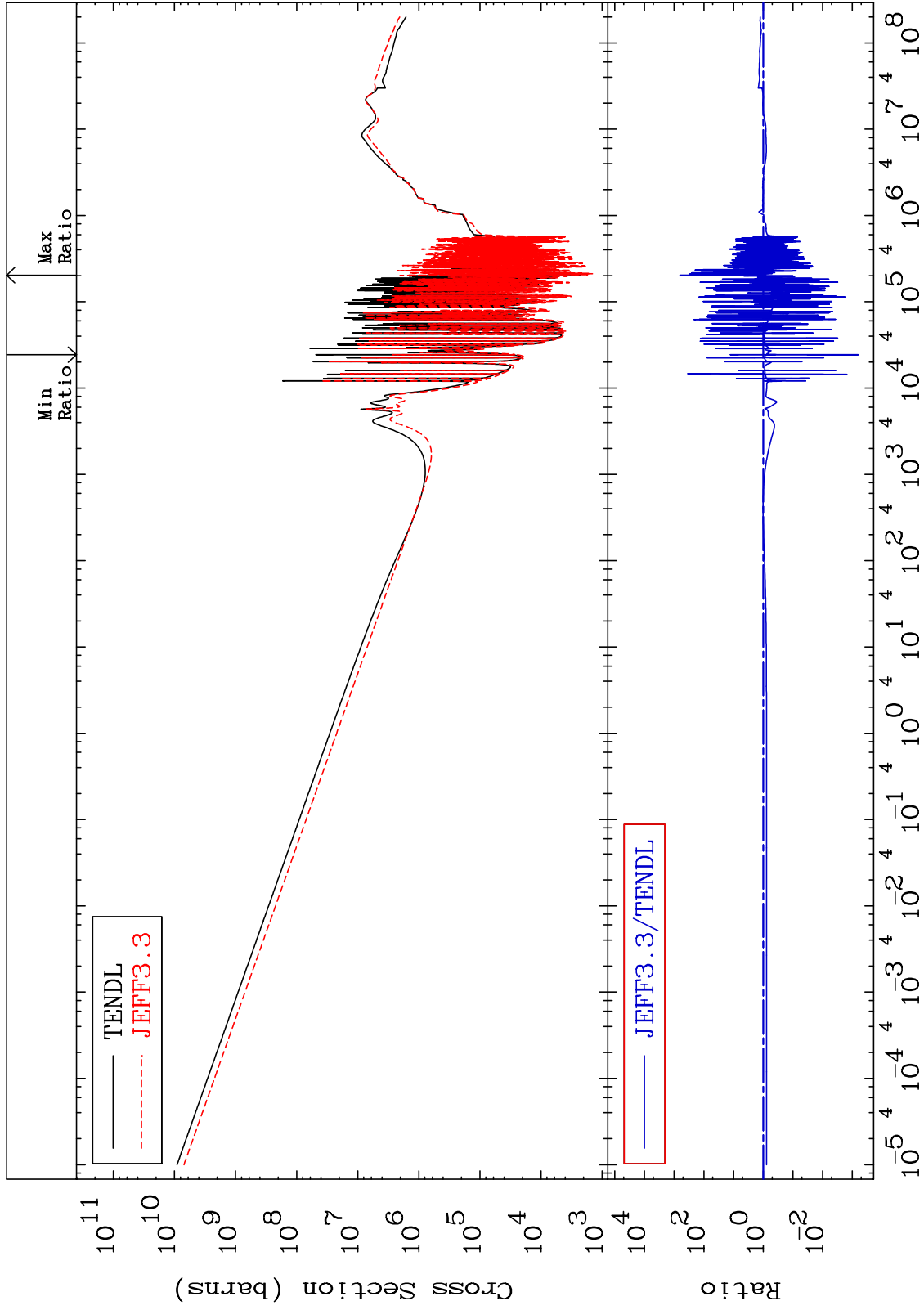
Incident Energy (eV)

24-Cr-53

MAT 2434

Total photon (eV-barns)
Cross Section

24-Cr-53
-99.94 To 9999. %



37

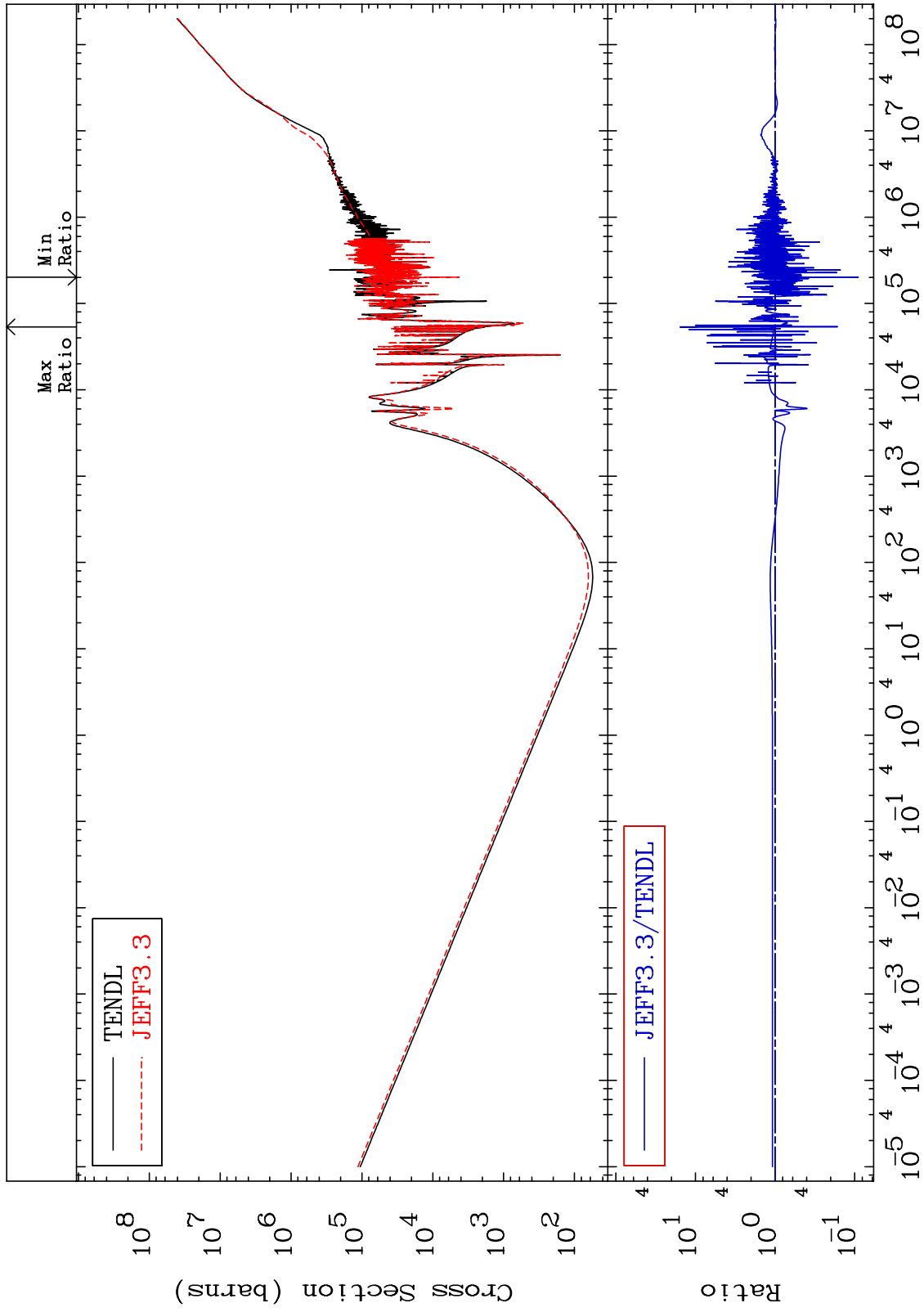
Incident Energy (eV)

24-Cr-53

MAT 2434

Total kinematic kerma (high limit)
Cross Section

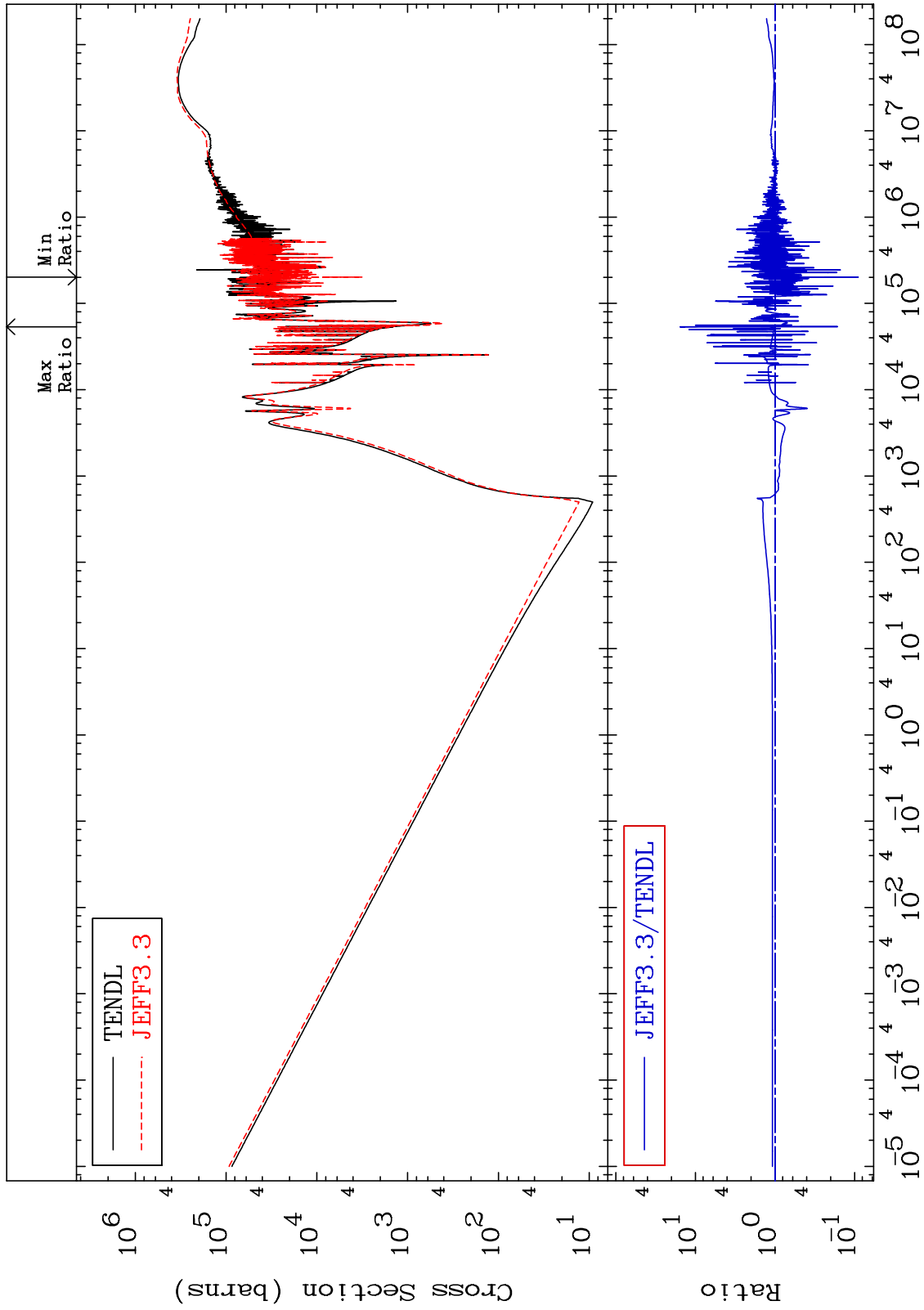
24-Cr-53
-91.04 To 1462. %



MAT 2434

Dpa total (eV-barns)
Cross Section

24-Cr-53
-91.04 To 1462. %



39

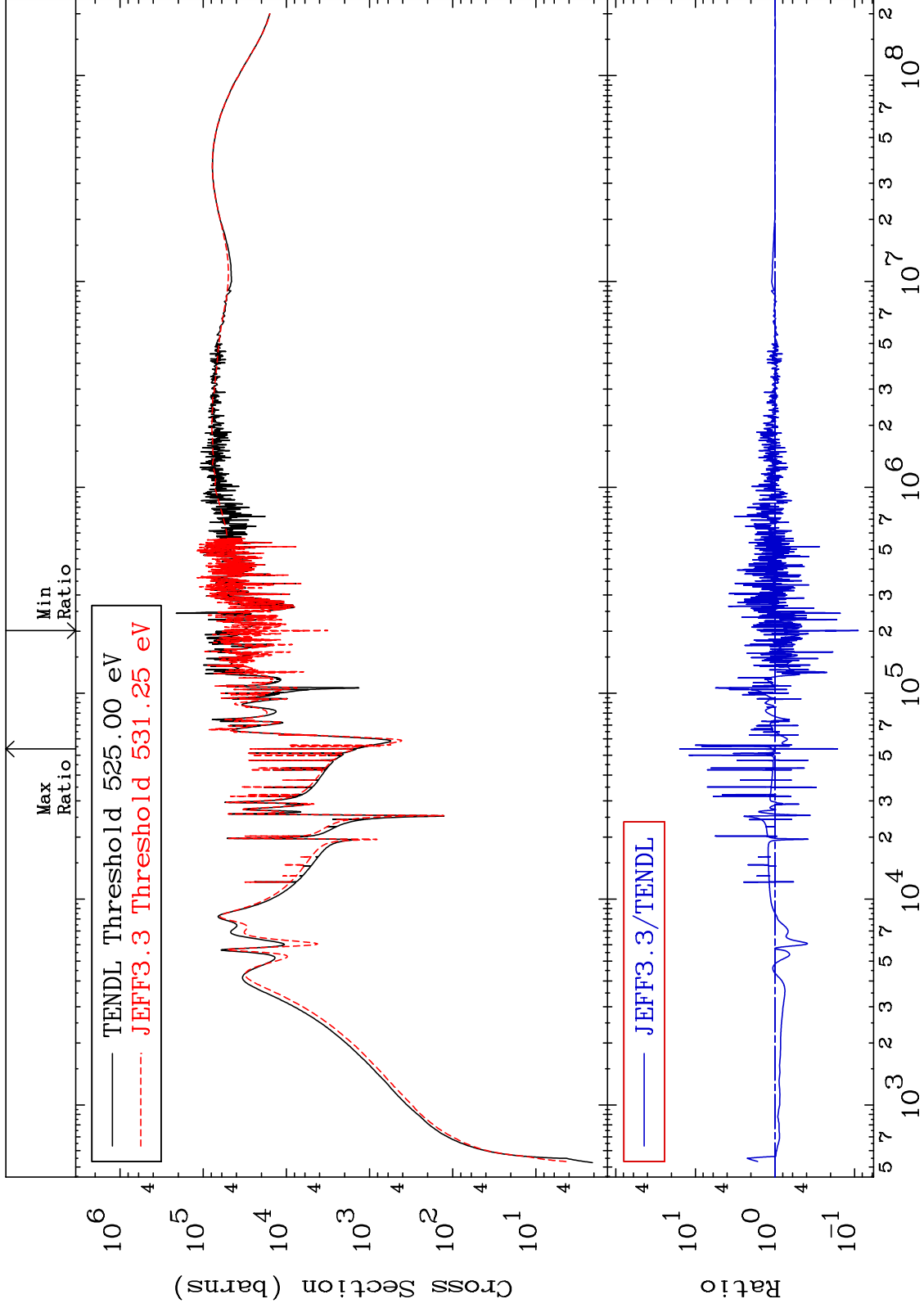
Incident Energy (eV)

24-Cr-53

MAT 2434

Dpa elastic (mt2)
Cross Section

24-Cr-53
-91.04 To 1470. %



40

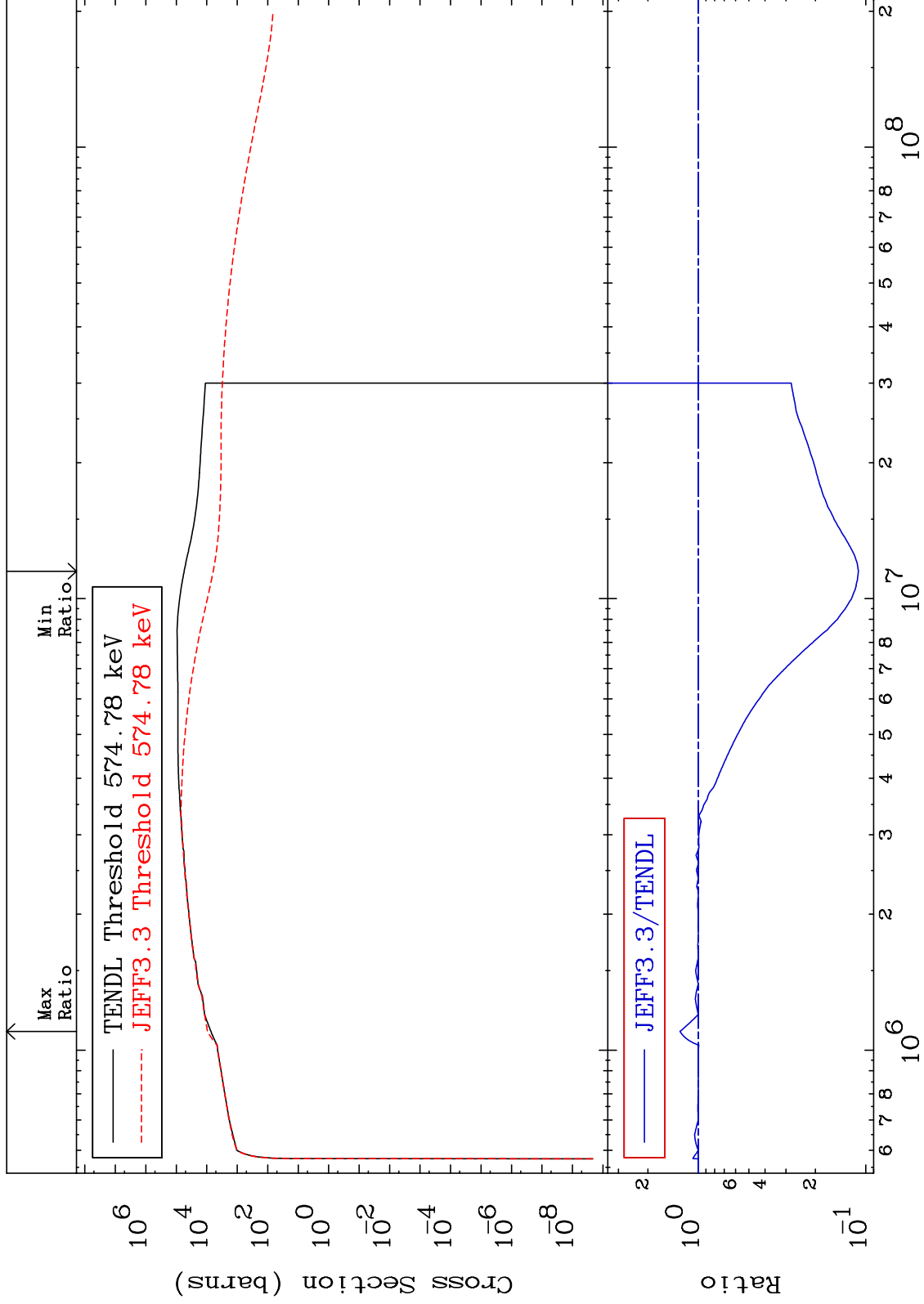
Incident Energy (eV)

24-Cr-53

MAT 2434

Dpa inelastic (mt51-91)
Cross Section

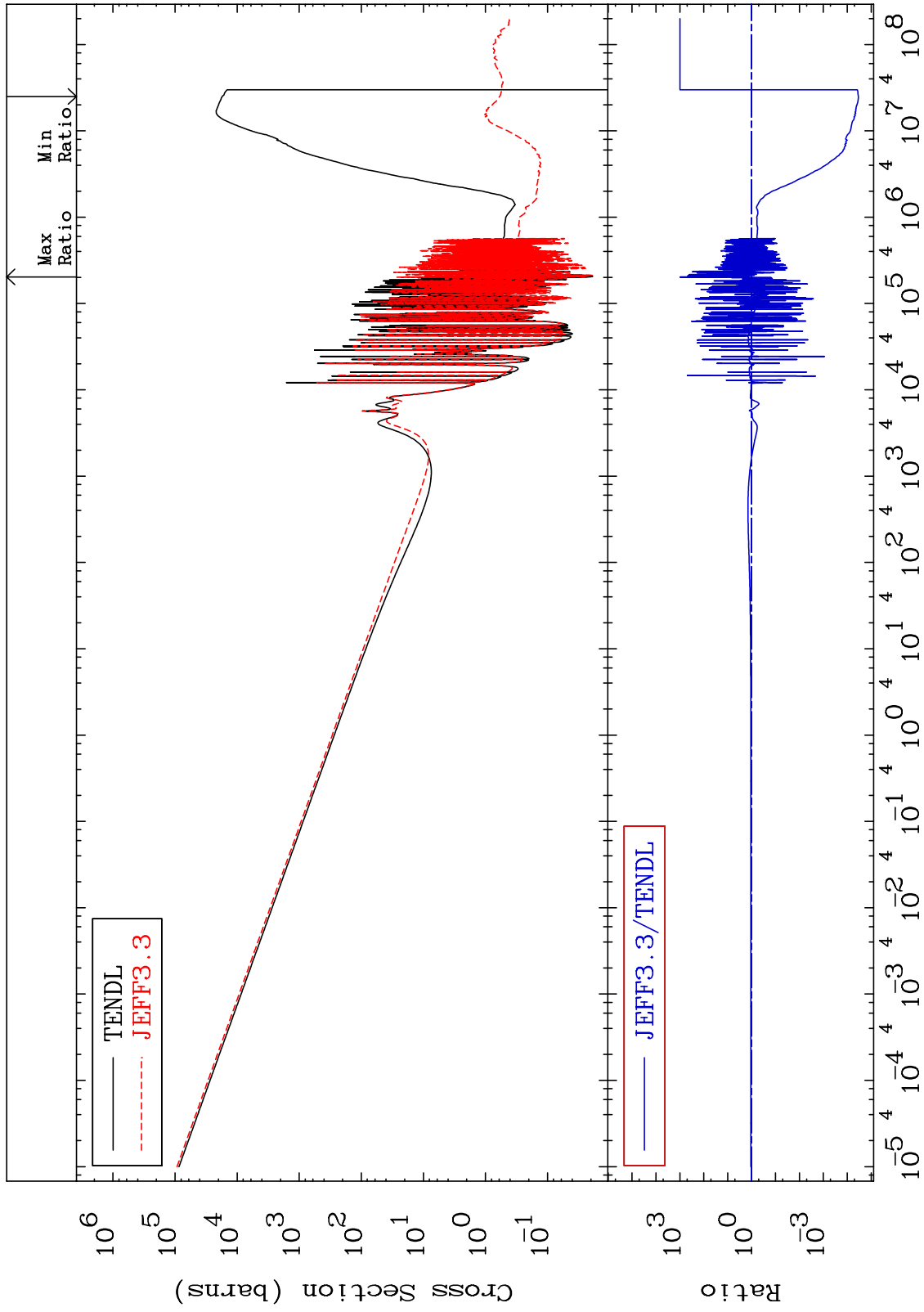
24-Cr-53
-88.92 To 28.63 %



MAT 2434

Dpa disappearance (mt102 -120)
Cross Section

24-Cr-53
-100.0 To 9999. %



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Incident Energy (eV)

24-Cr-53