

Program Complot
(Version 2018-1)

by

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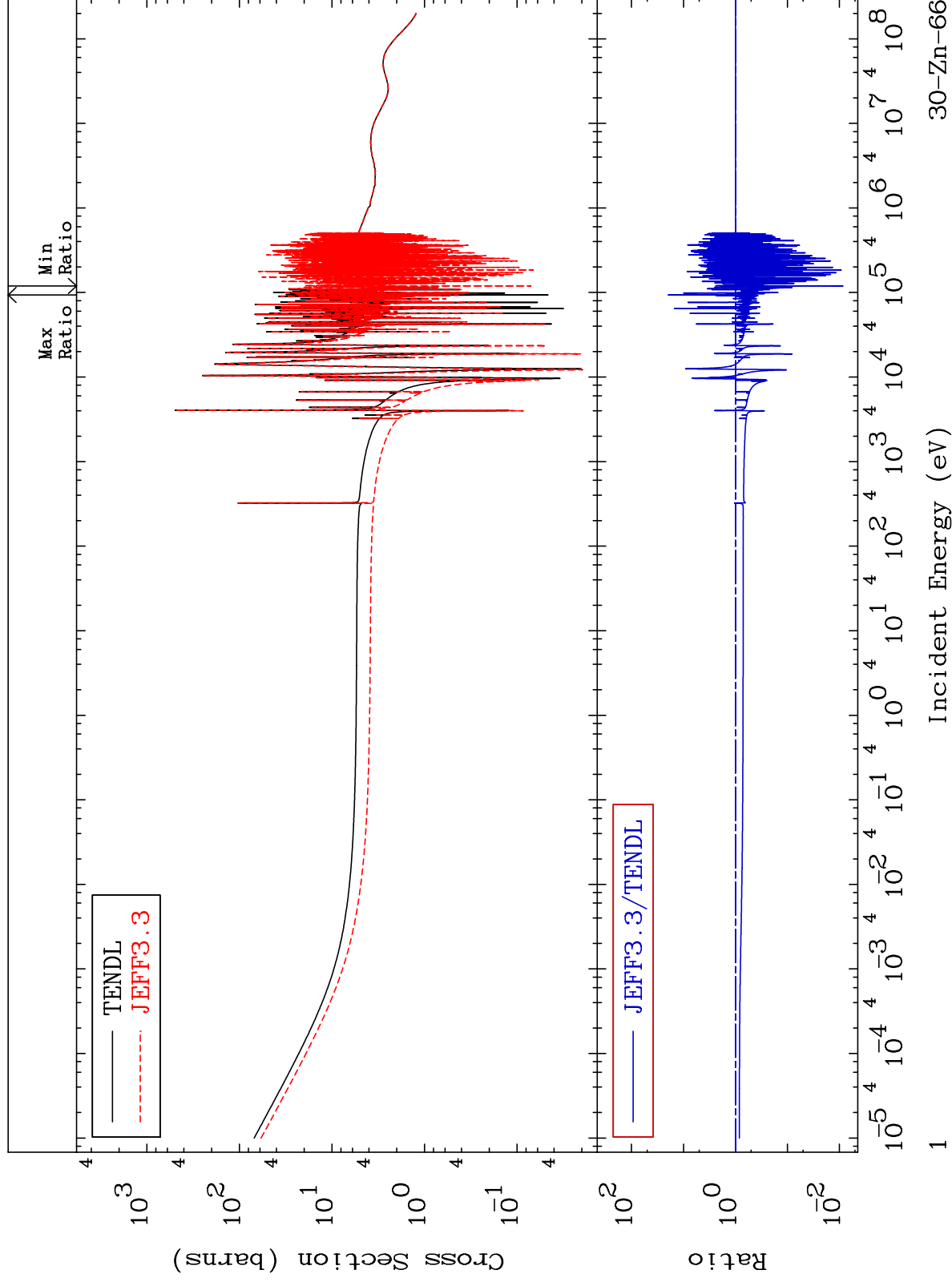
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3031

Total
Cross Section

30-Zn-66
-99.14 To 1882. %



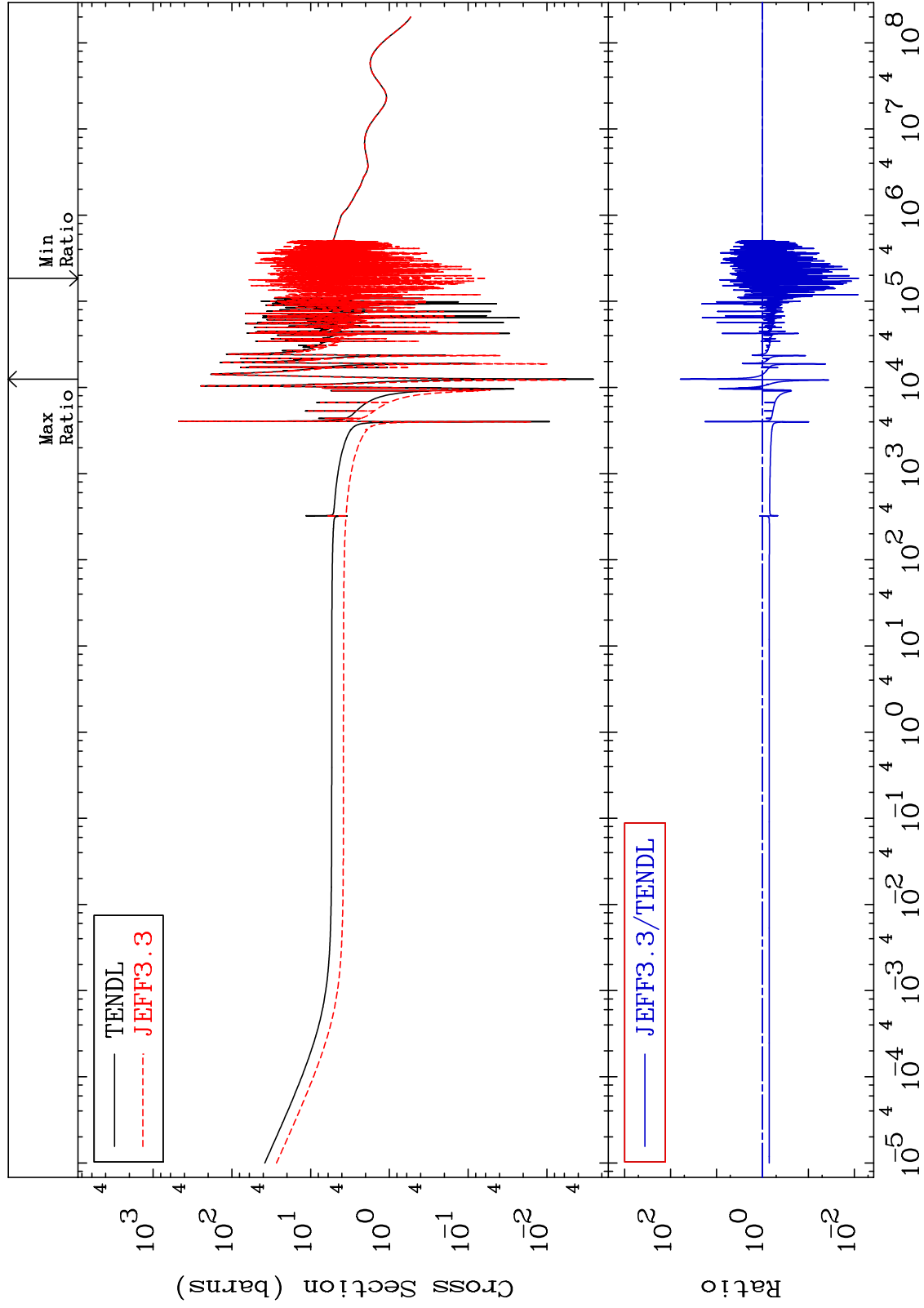
MAT 3031

Elastic

Cross Section

30-Zn-66

-99.19 To 5992. %



Incident Energy (eV)

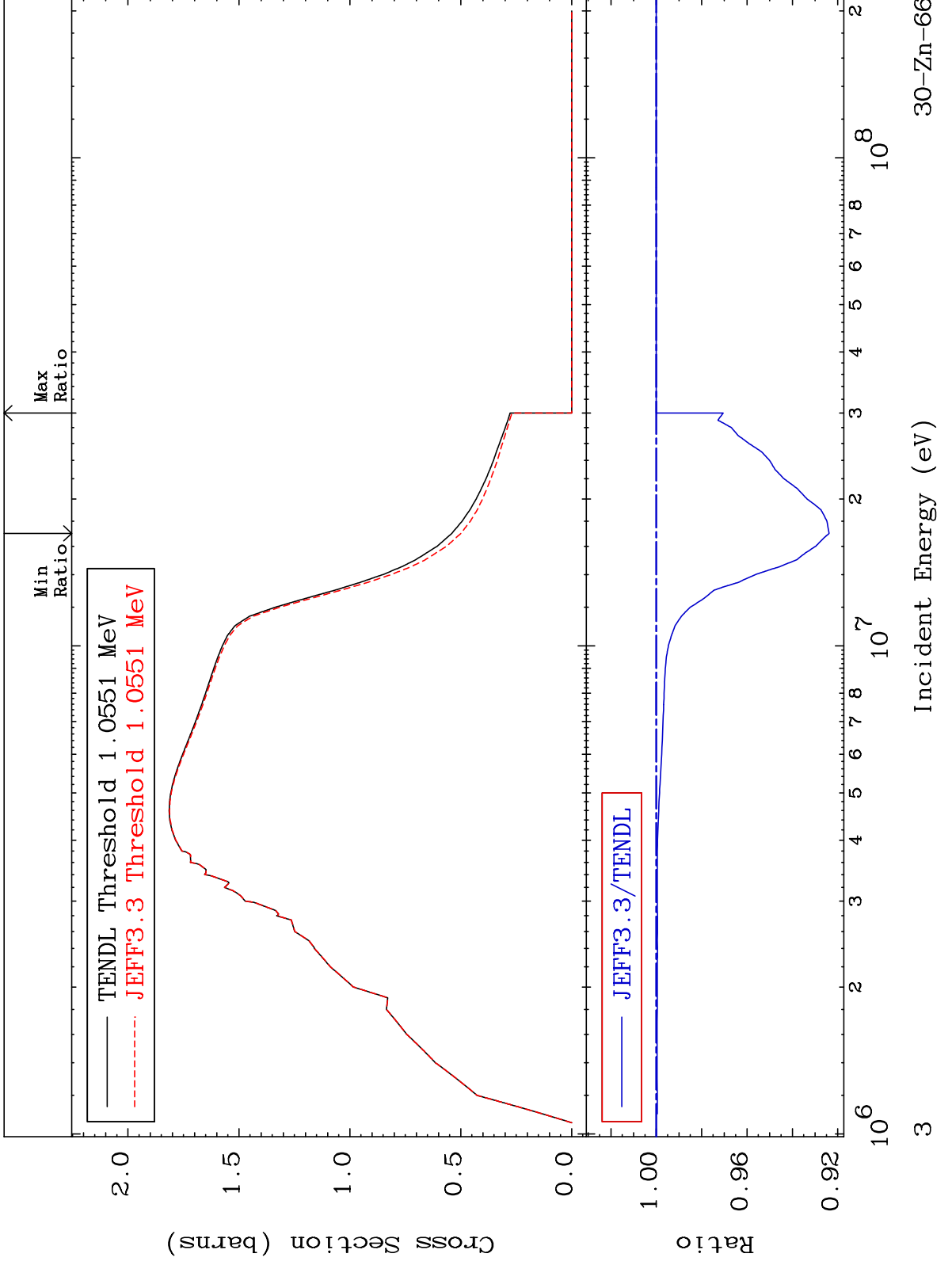
30-Zn-66

MAT 3031

Inelastic
Cross Section

30-Zn-66

-7.618 To 0.000 %



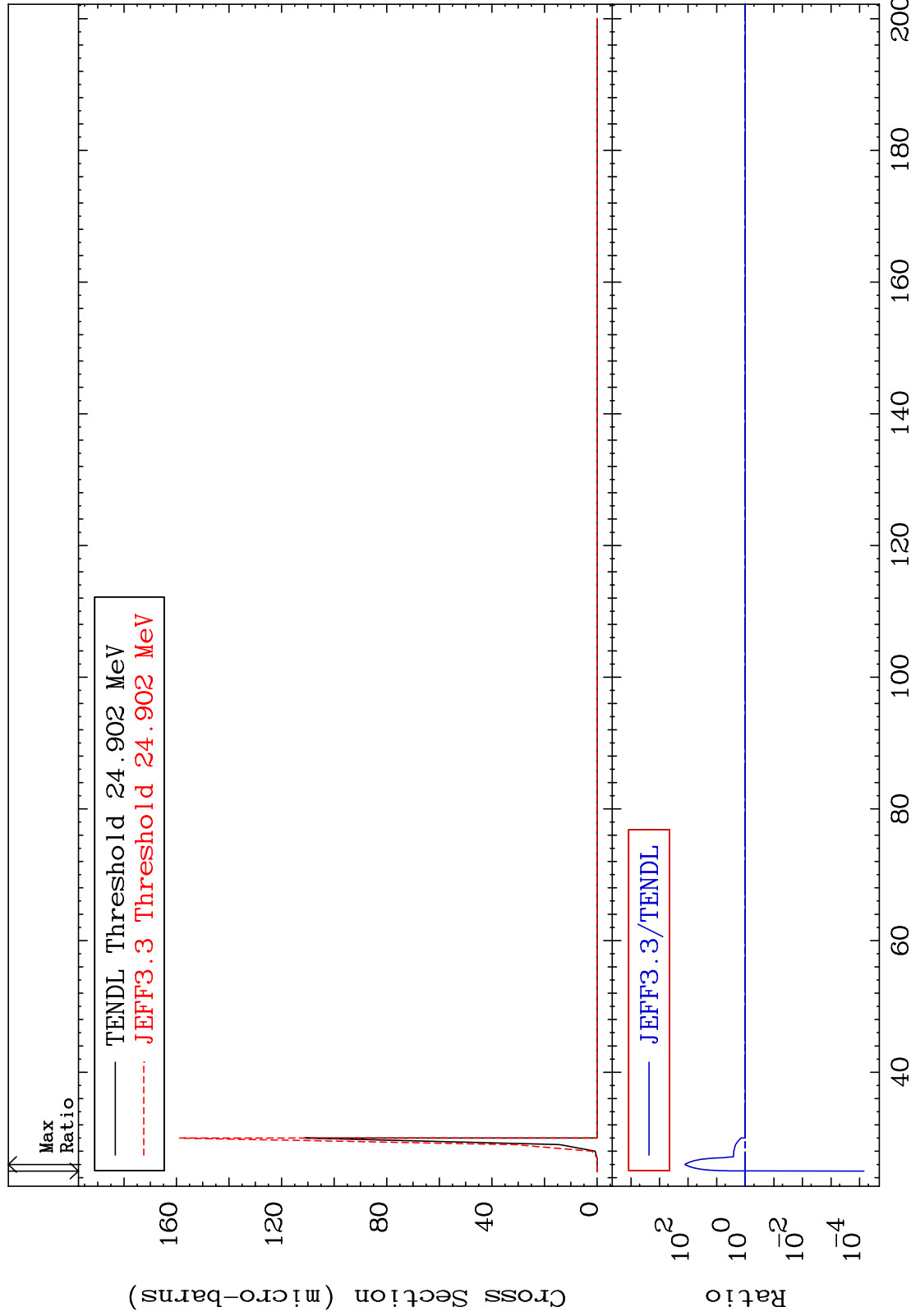
MAT 3031

(n,2n) d

30-Zn-66

Cross Section

-99.99 To 9999. %



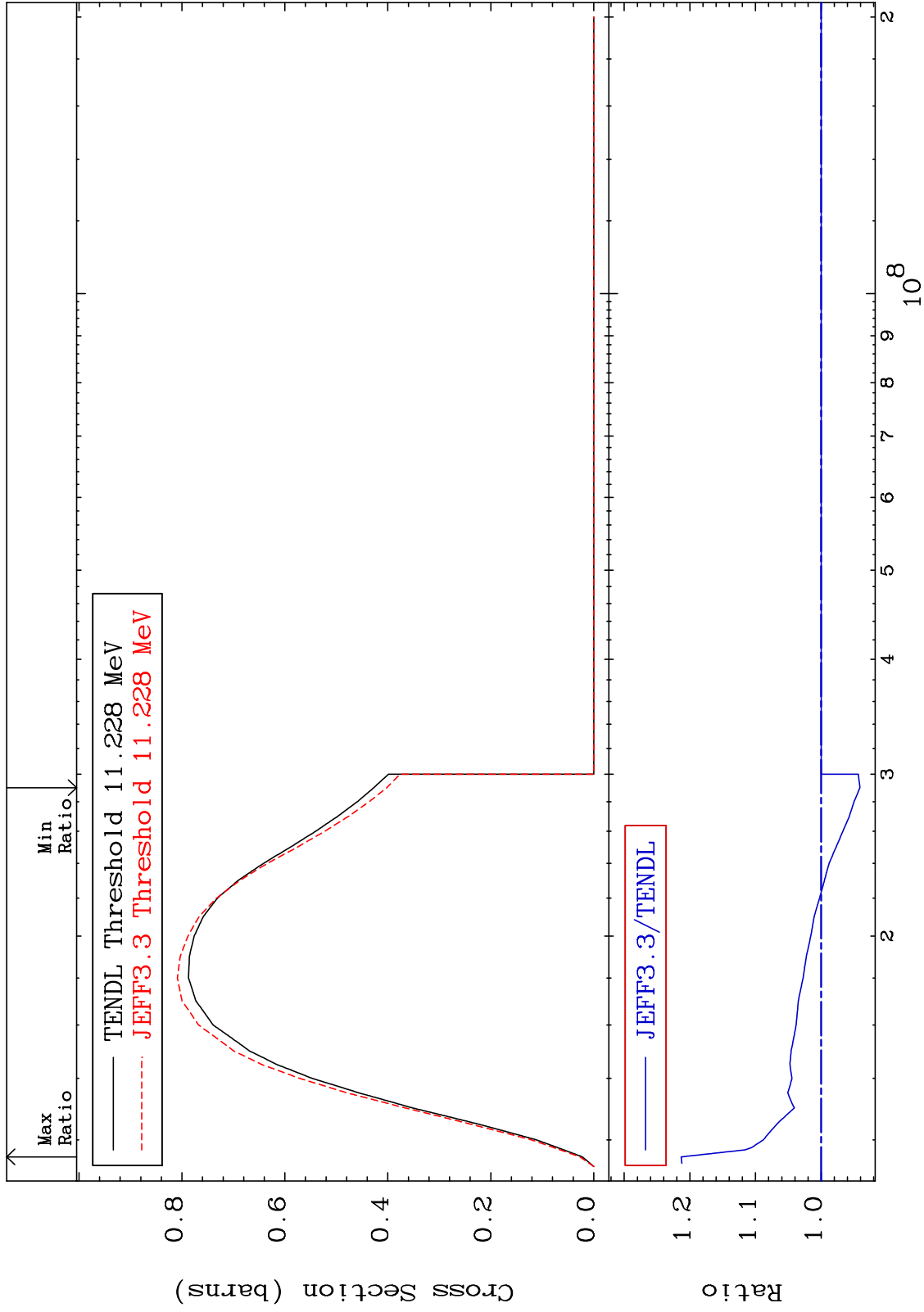
MAT 3031

(n,2n)

30-Zn-66

Cross Section

-5.907 To 21.32 %



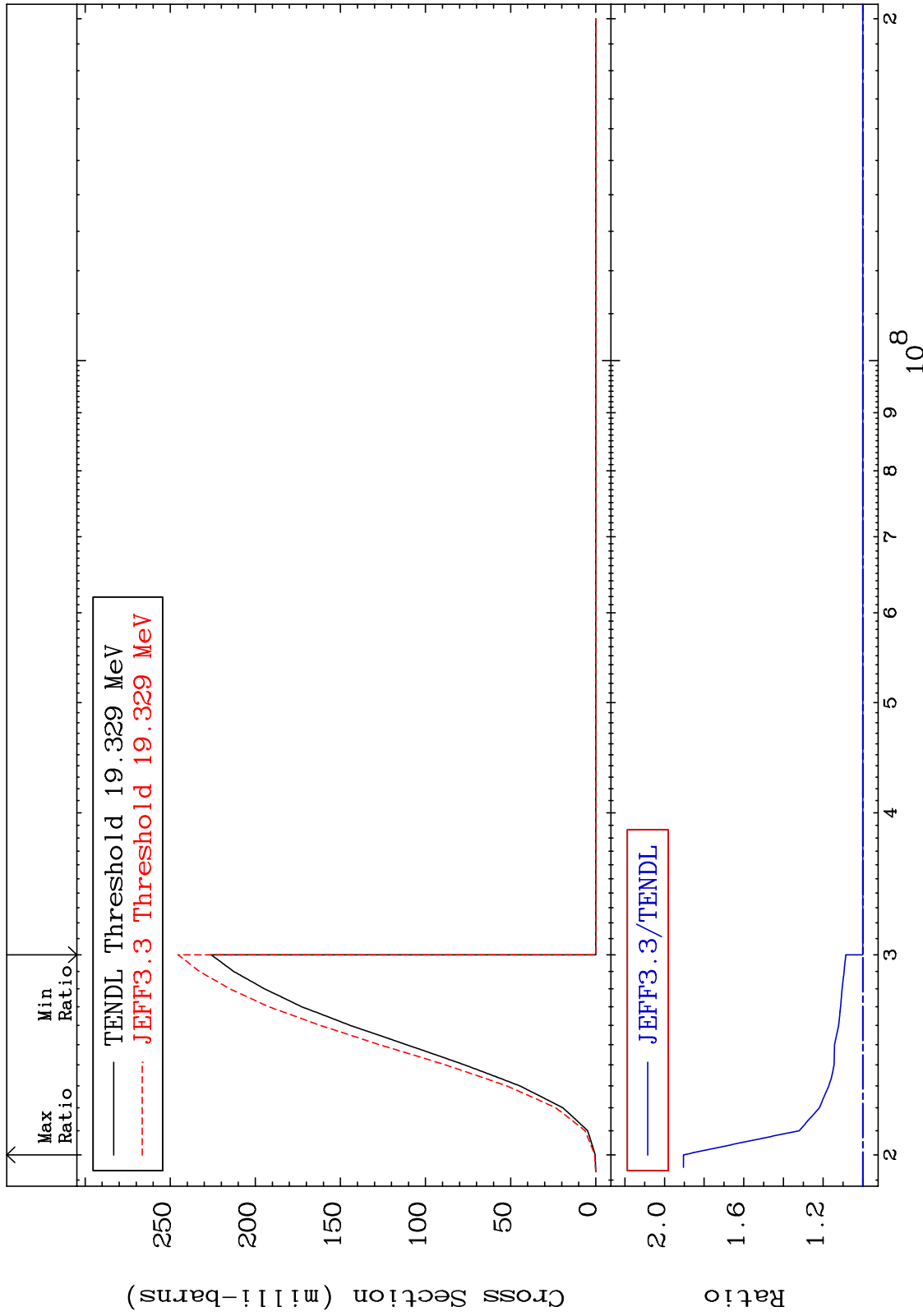
MAT 3031

(n, 3n)

30-Zn-66

Cross Section

0.000 To 90.41 %



6

Incident Energy (eV)

30-Zn-66

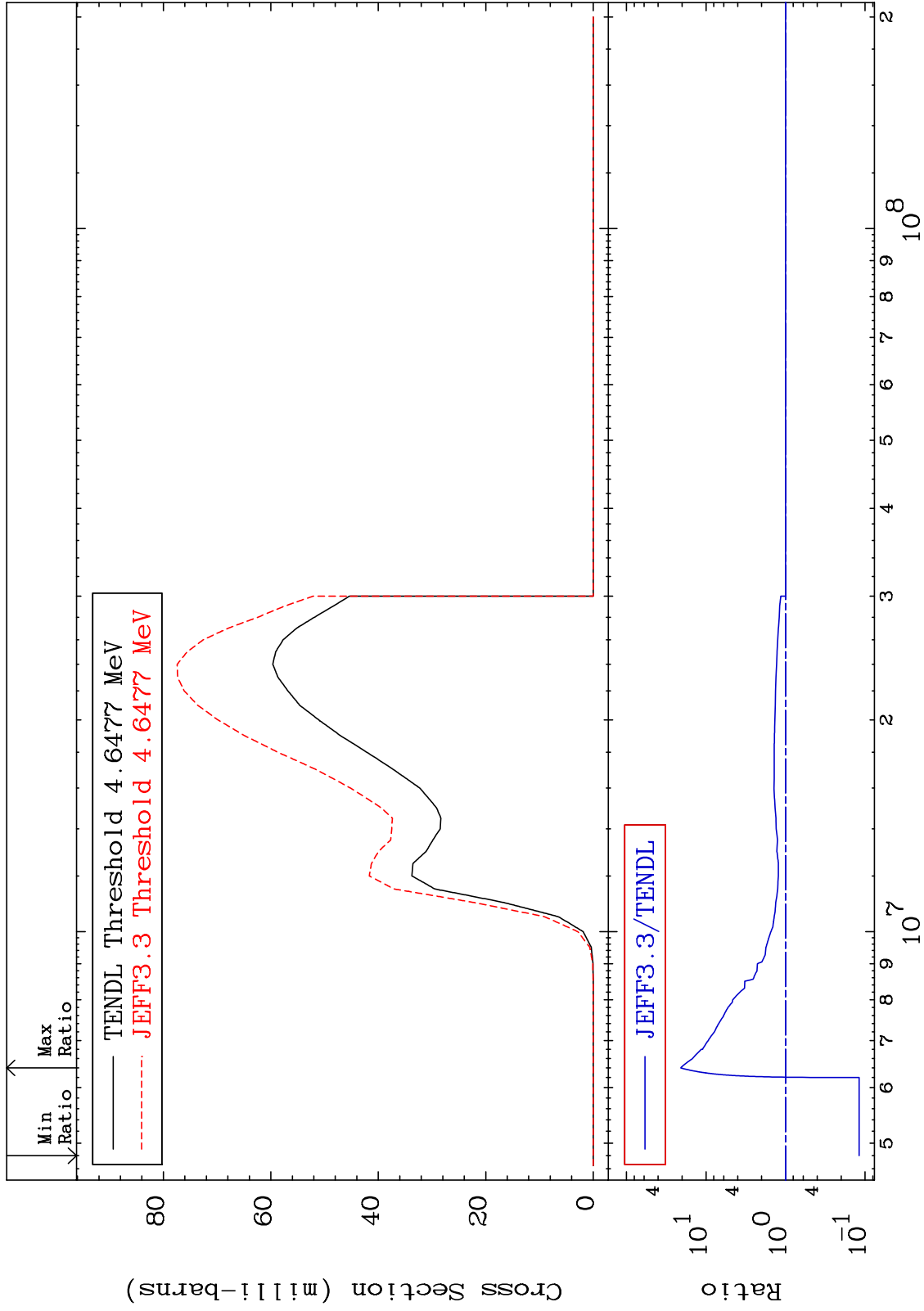
MAT 3031

(n,n') α

30-Zn-66

Cross Section

-88.12 To 1987. %



7

Incident Energy (eV)

30-Zn-66

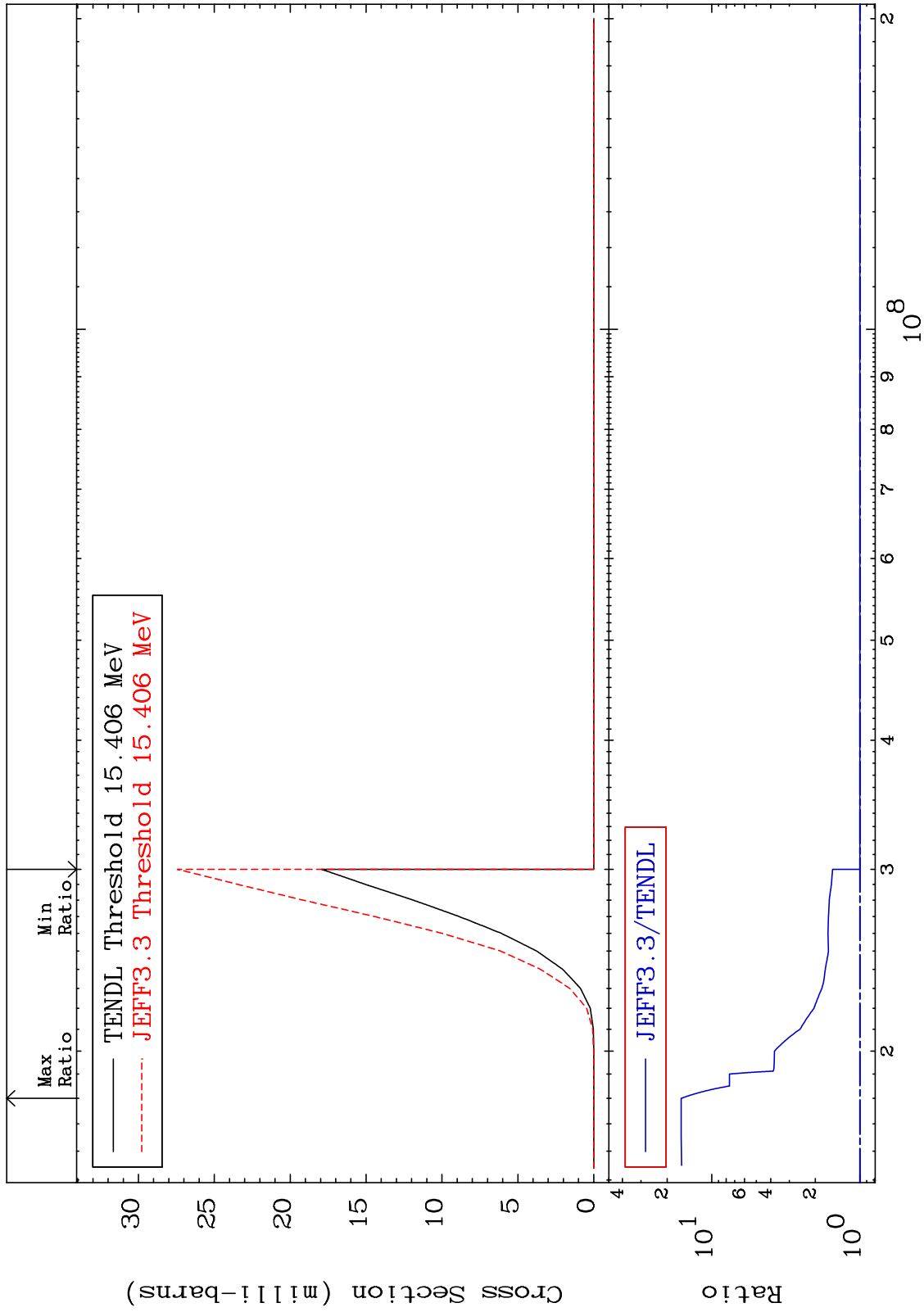
MAT 3031

(n,2n) α

30-Zn-66

Cross Section

0.000 To 1505. %



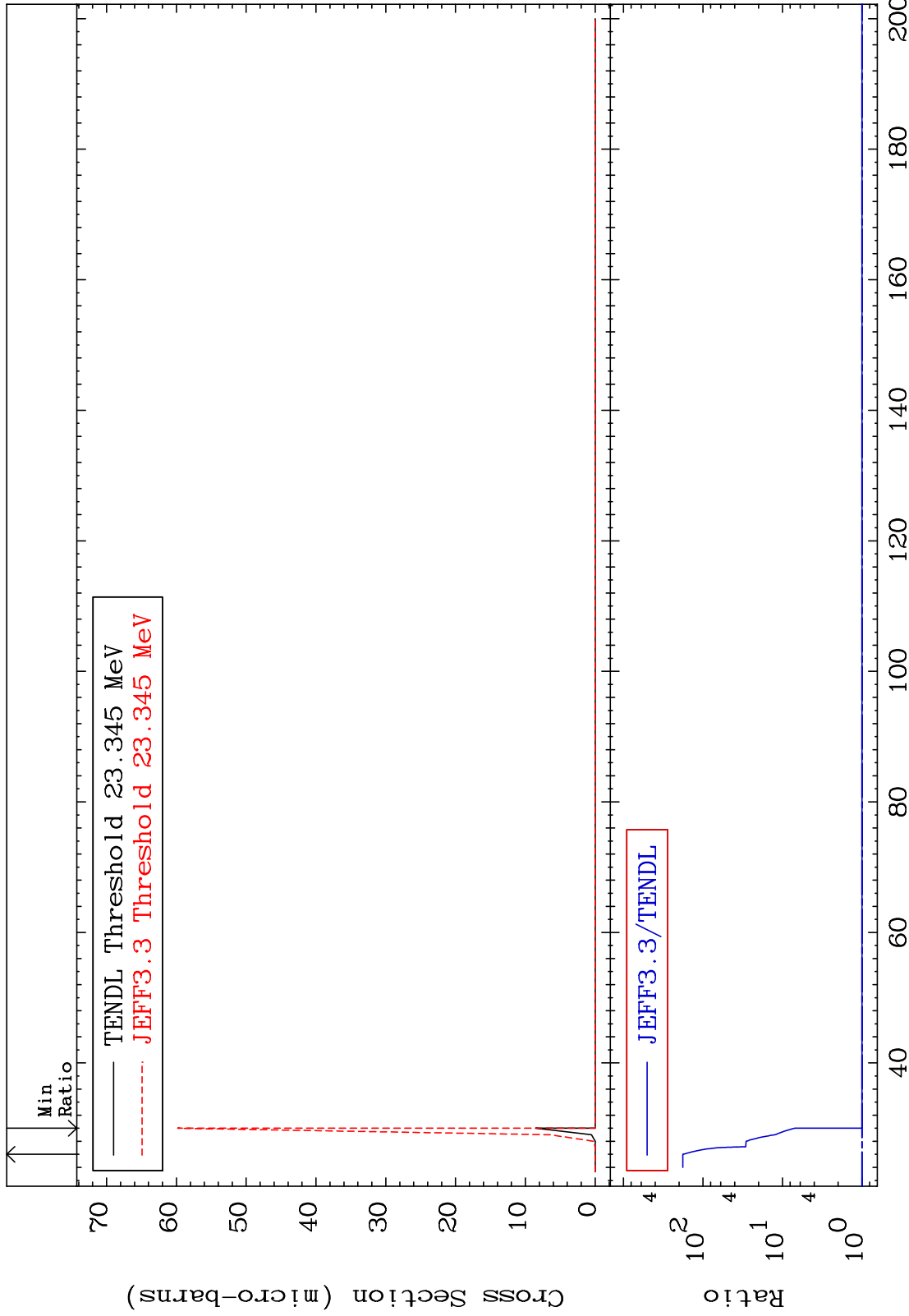
MAT 3031

(n, 3n) α

30-Zn-66

Cross Section

0.000 To 9999. %



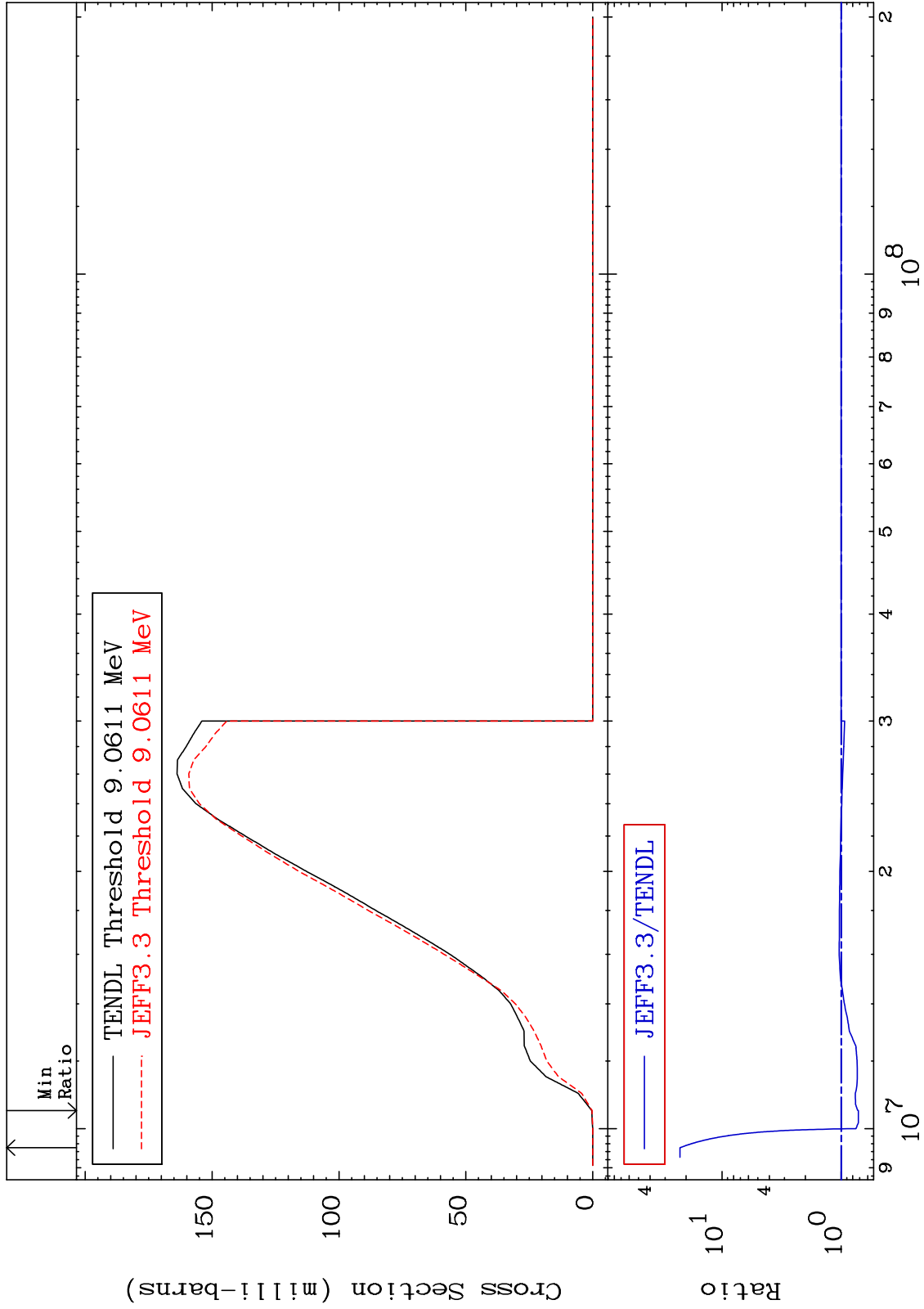
MAT 3031

(n,n') p

30-Zn-66

Cross Section

-28.21 To 2147. %



Incident Energy (eV)

30-Zn-66

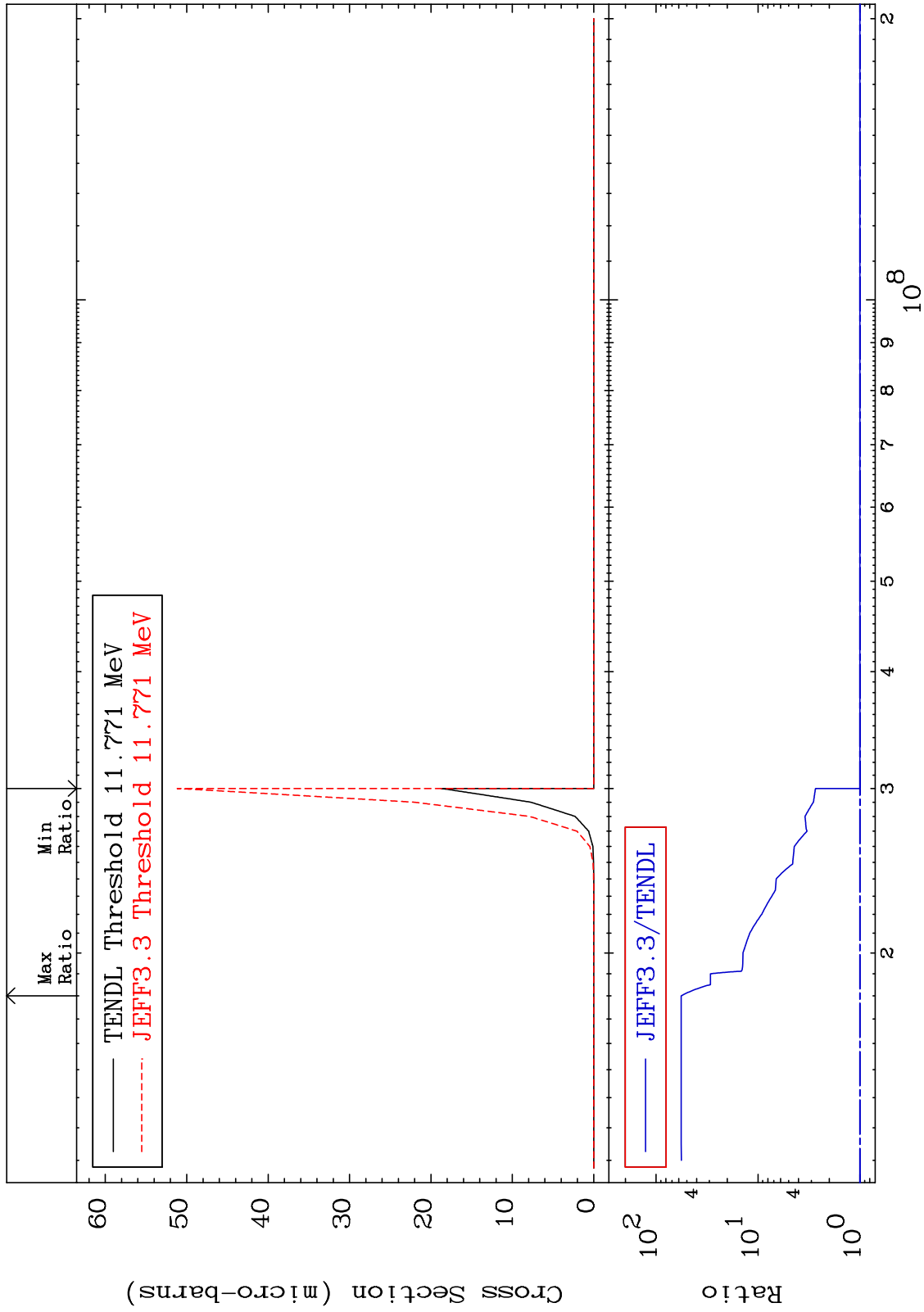
MAT 3031

(n,n') 2α

30-Zn-66

Cross Section

0.000 To 5567. %



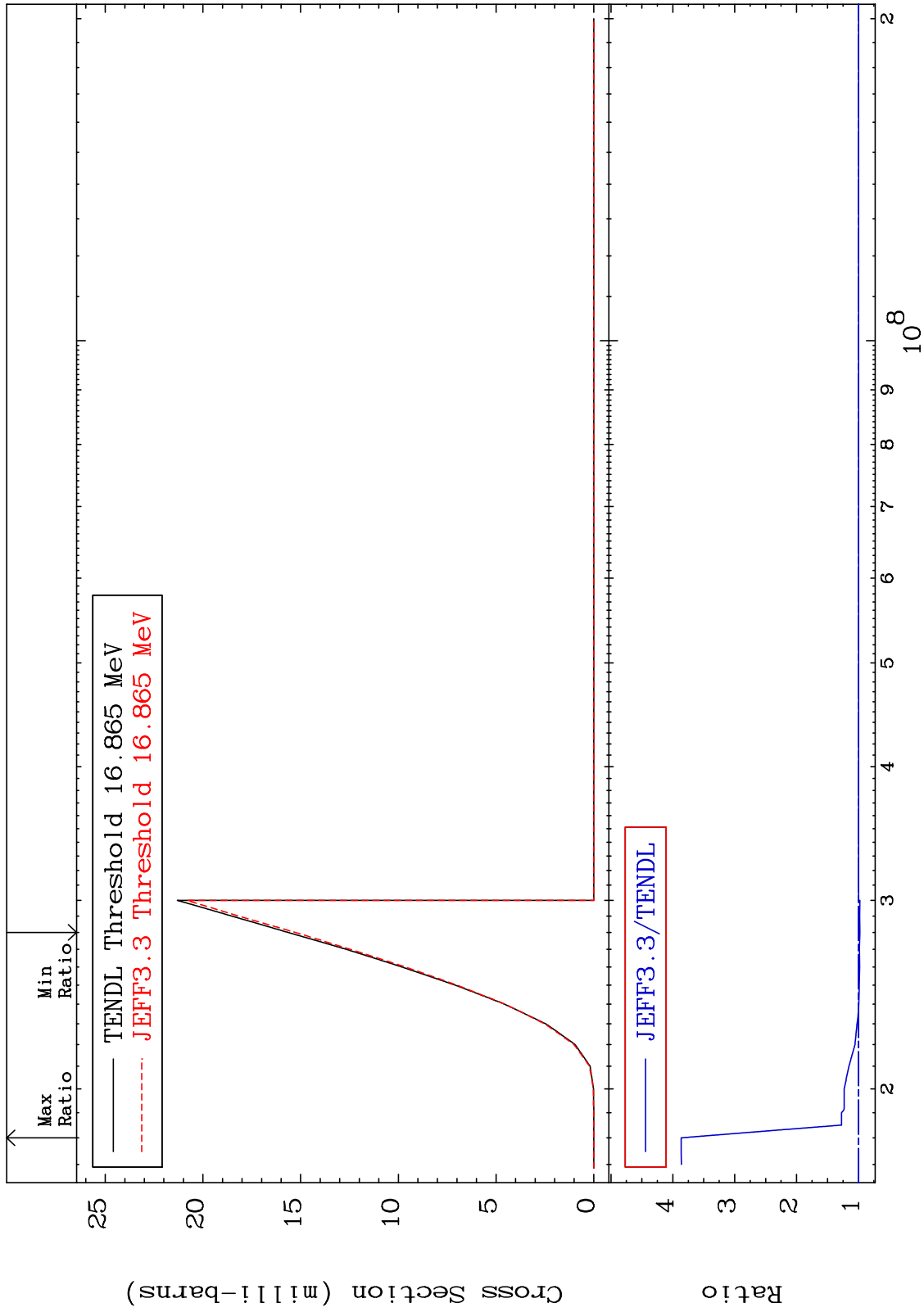
MAT 3031

(n, n') d

30-Zn-66

Cross Section

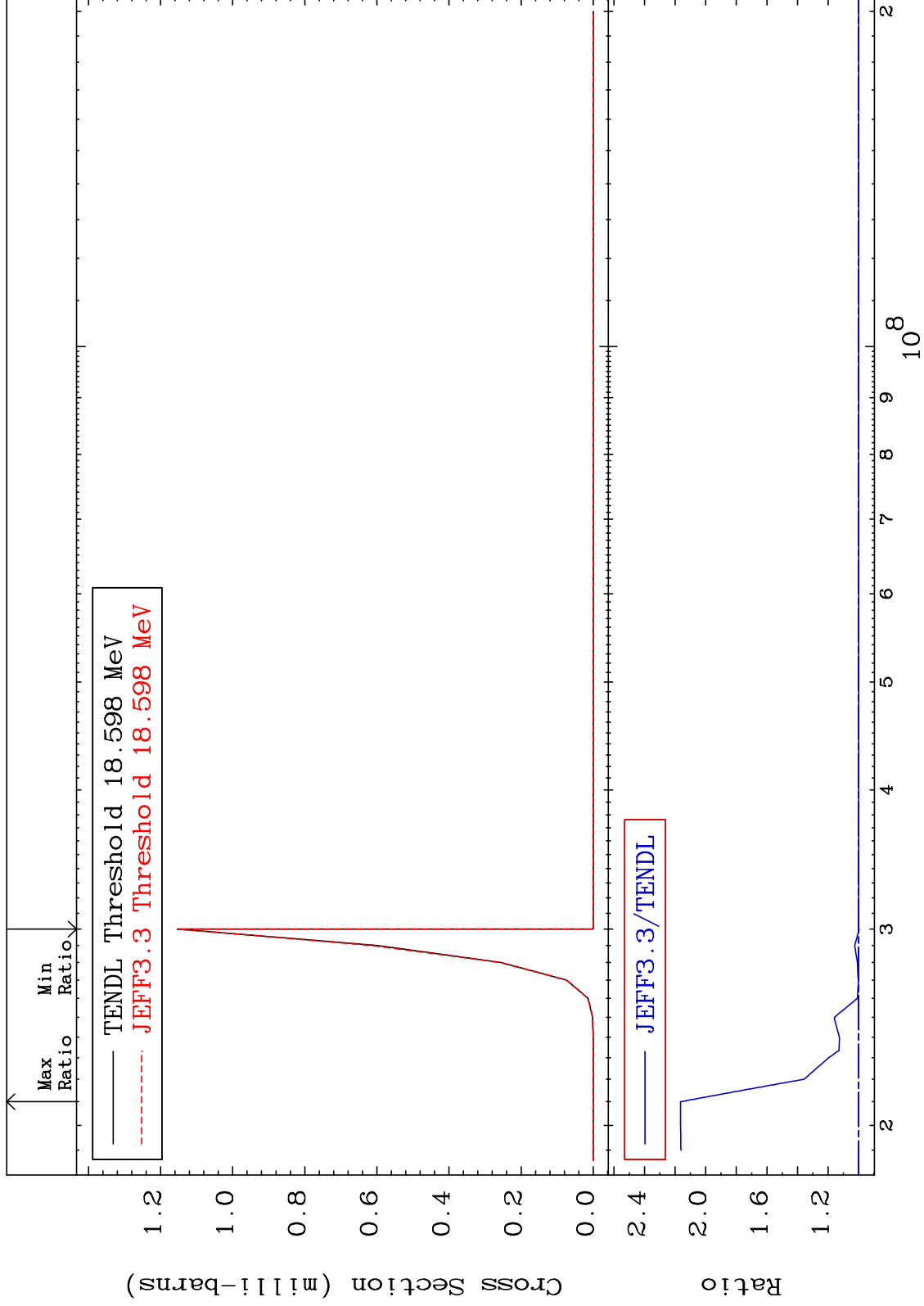
-2.371 To 286.4 %



MAT 3031

(n, n') He-3
Cross Section

30-Zn-66
-0.268 To 116.4 %



MAT 3031

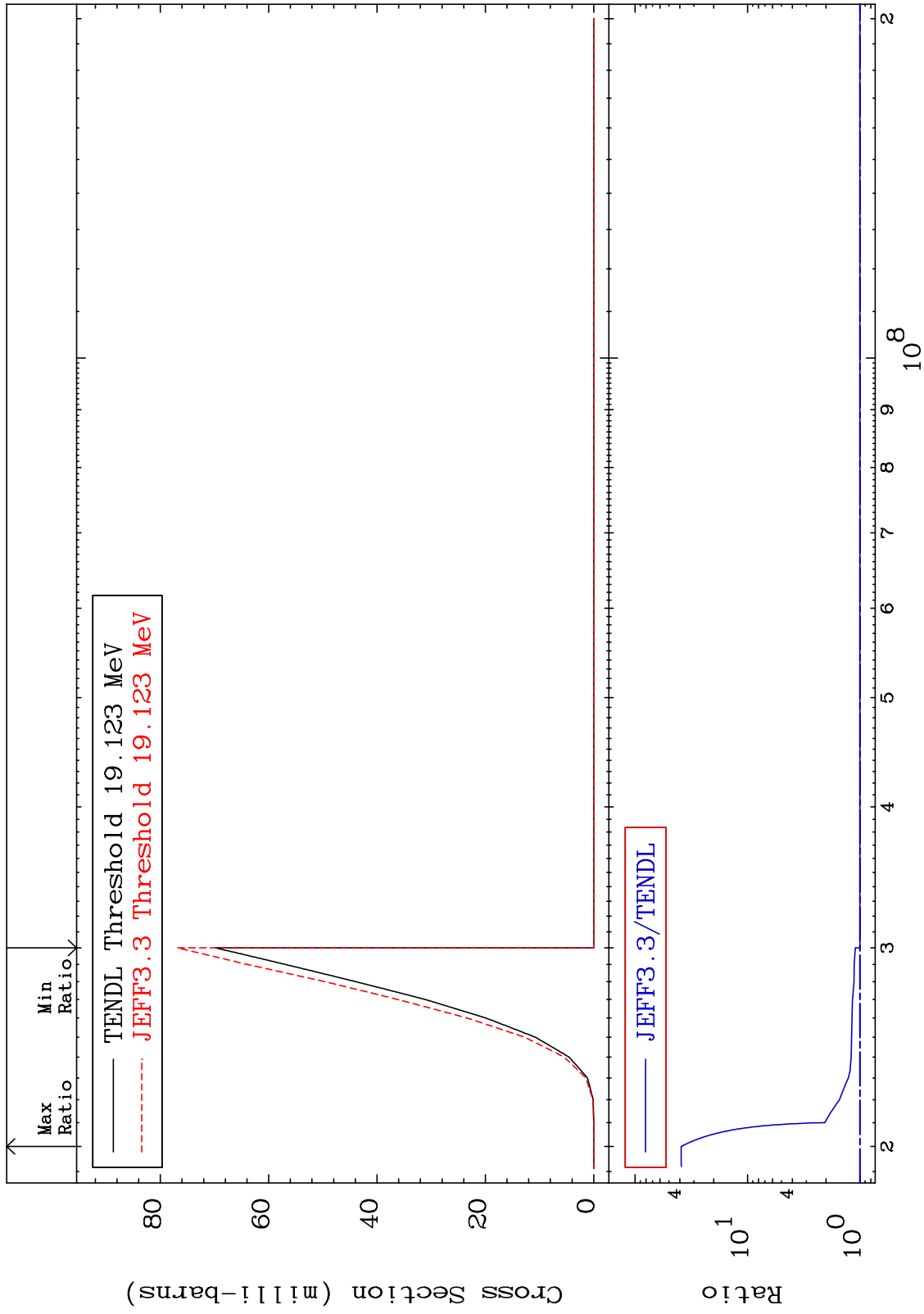
(n,2n) p

30-Zn-66

Cross Section

0.000

To 3790. %



15

Incident Energy (eV)

30-Zn-66

MAT 3031

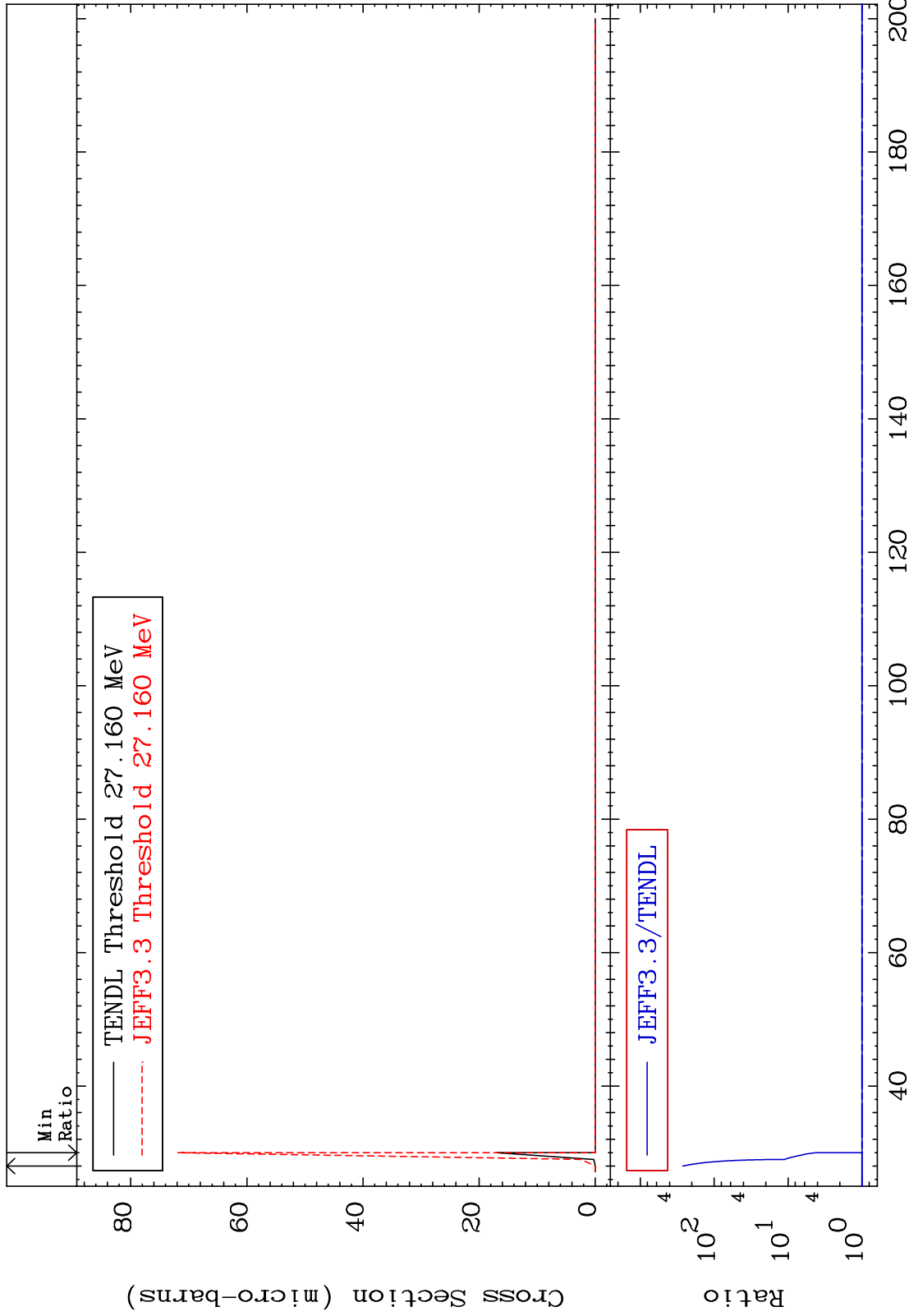
(n,3n) p

30-Zn-66

Cross Section

0.000

To 9999. %



MAT 3031

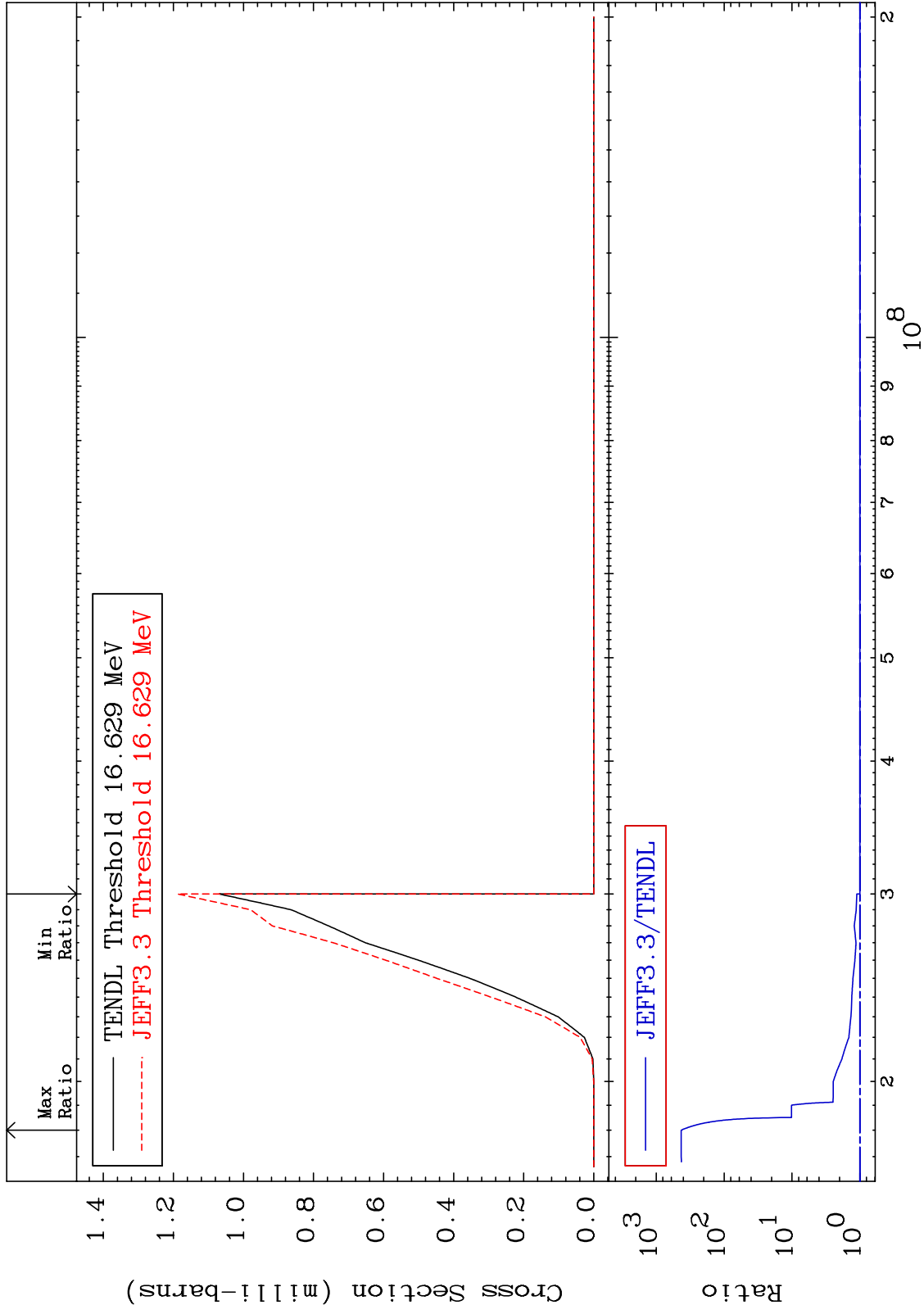
(n,2n) p

30-Zn-66

Cross Section

0.000

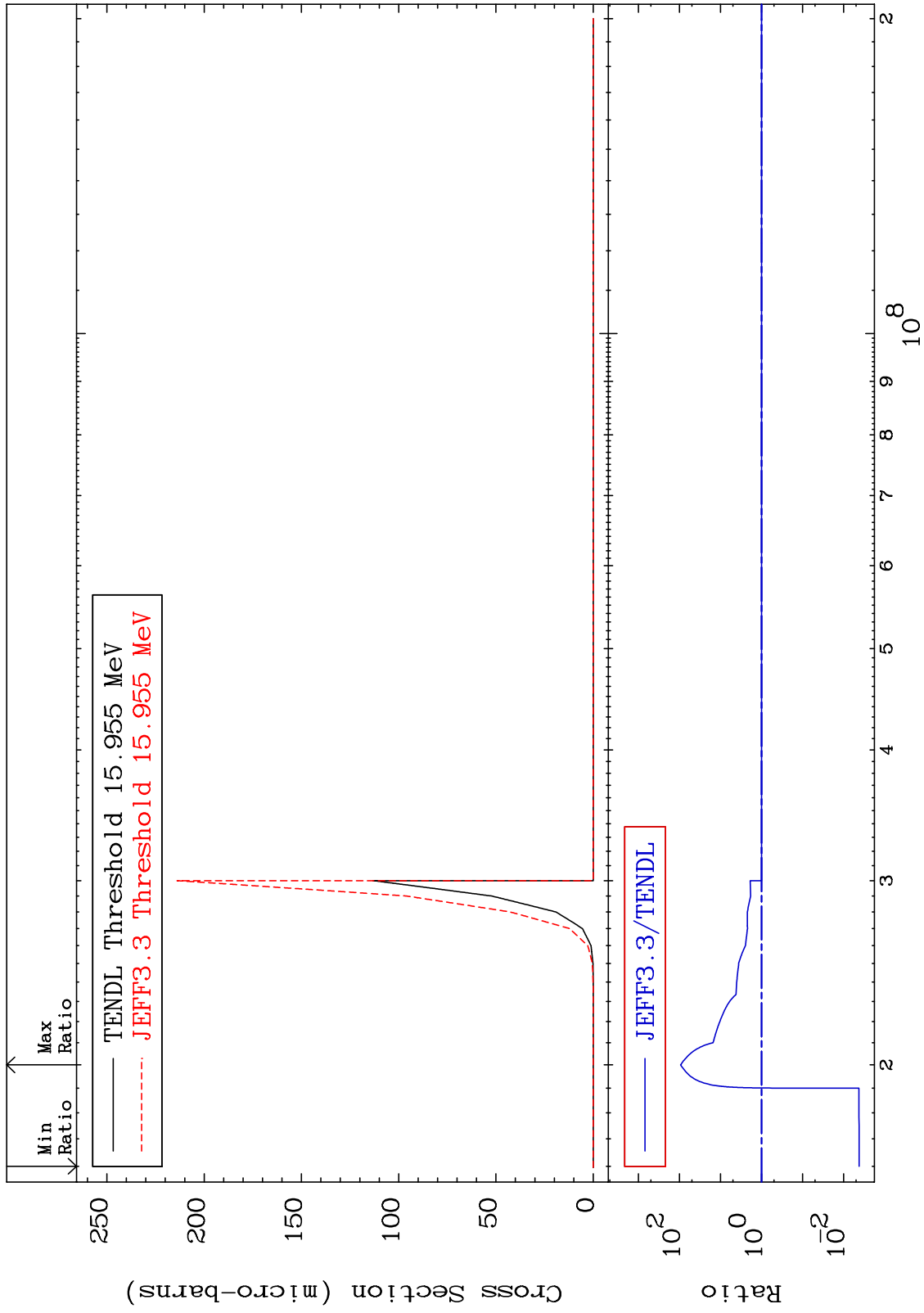
To 9999. %



MAT 3031

(n,n') p α
Cross Section

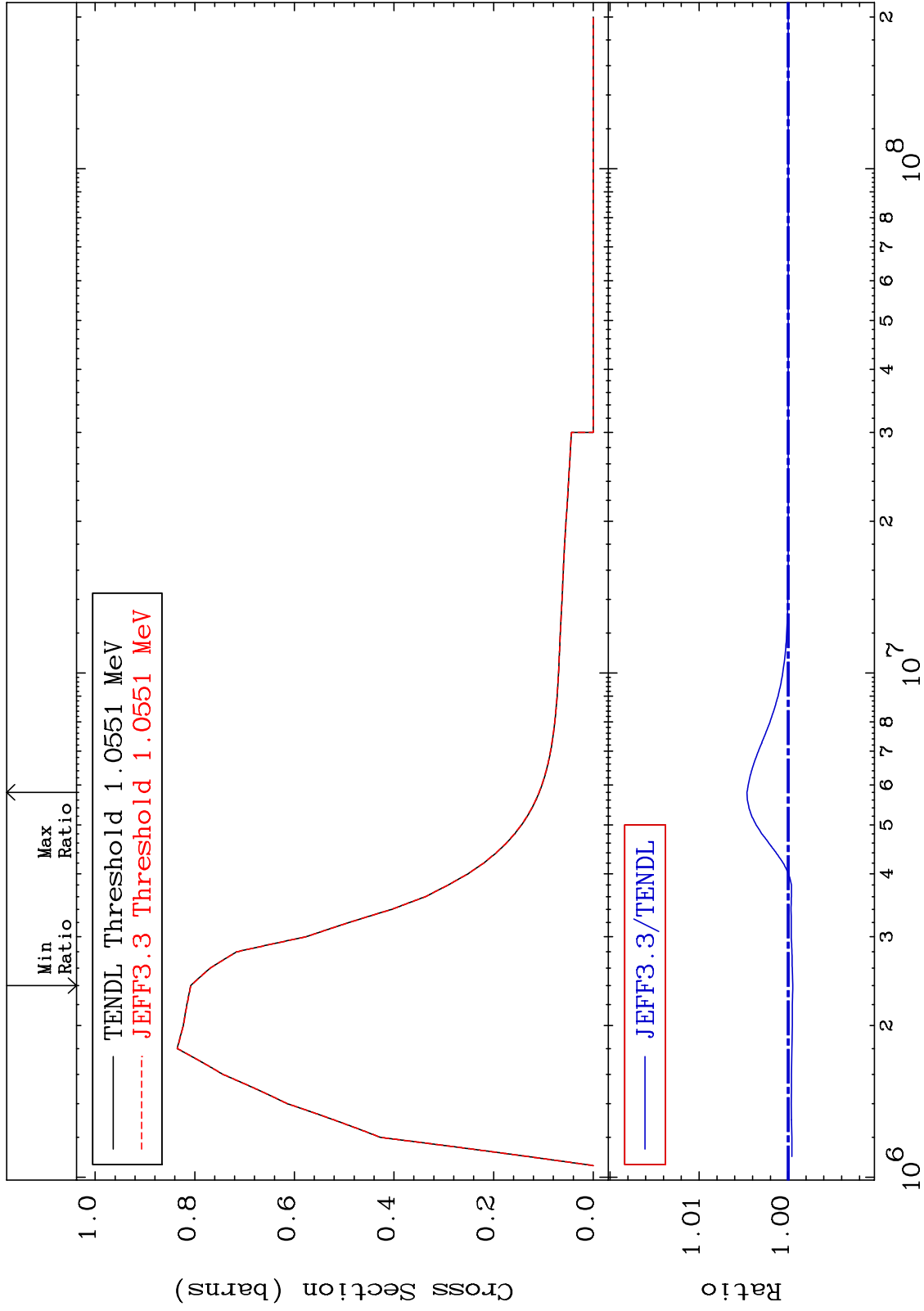
30-Zn-66
-99.58 To 9278. %



MAT 3031

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

30-Zn-66
-0.051 To 0.463 %



19

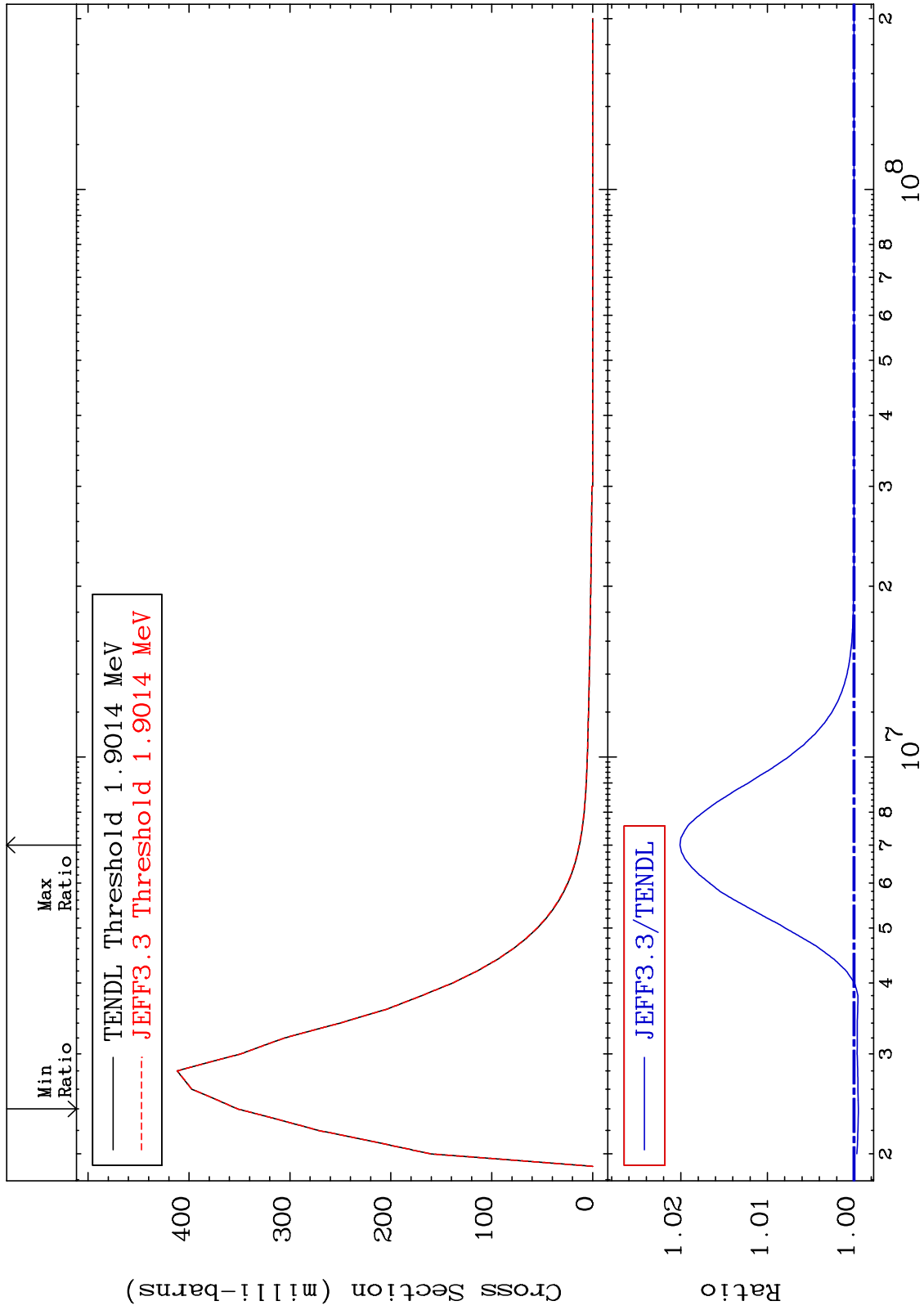
Incident Energy (eV)

30-Zn-66

MAT 3031

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

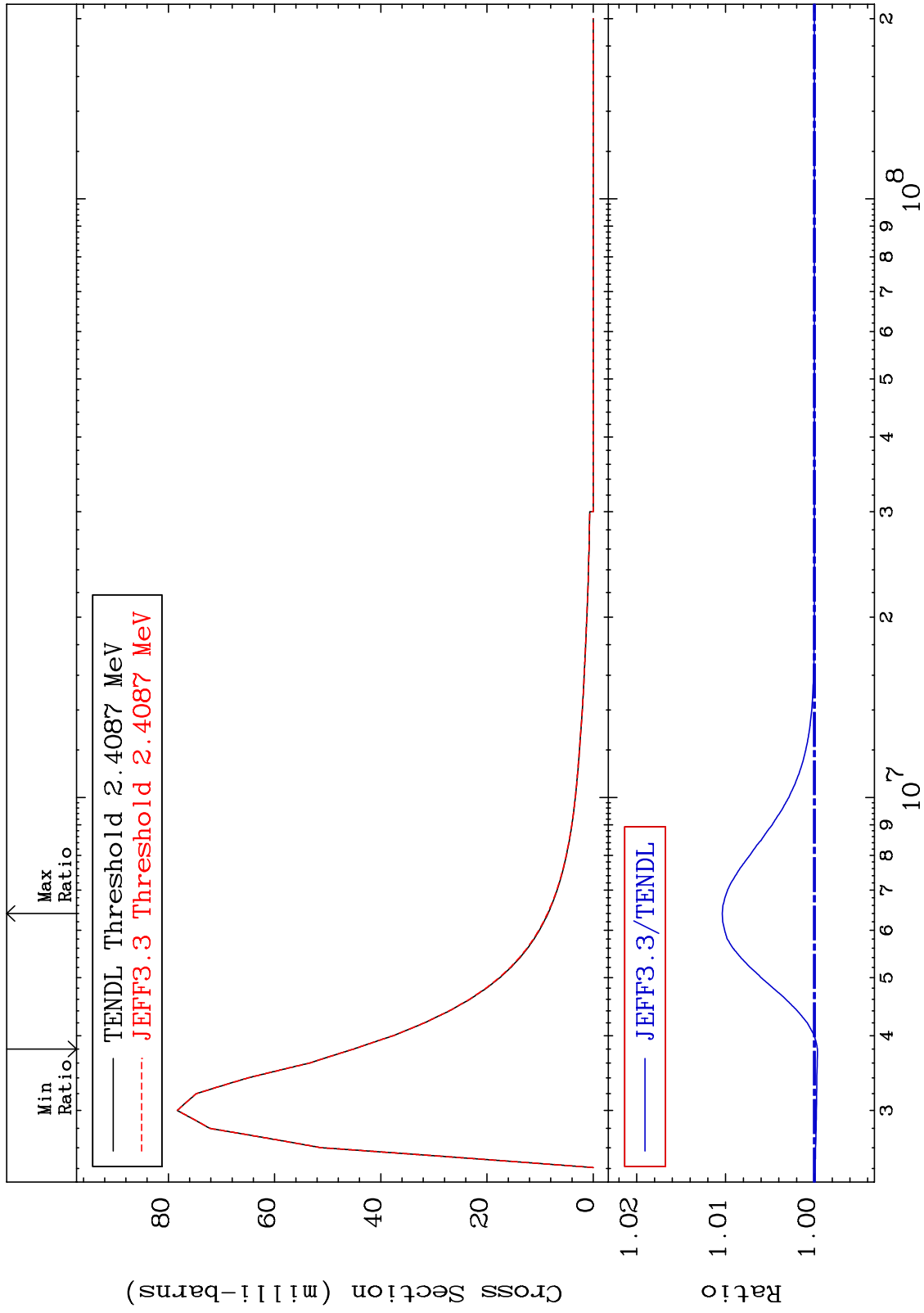
30-Zn-66
-0.051 To 2.010 %



MAT 3031

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

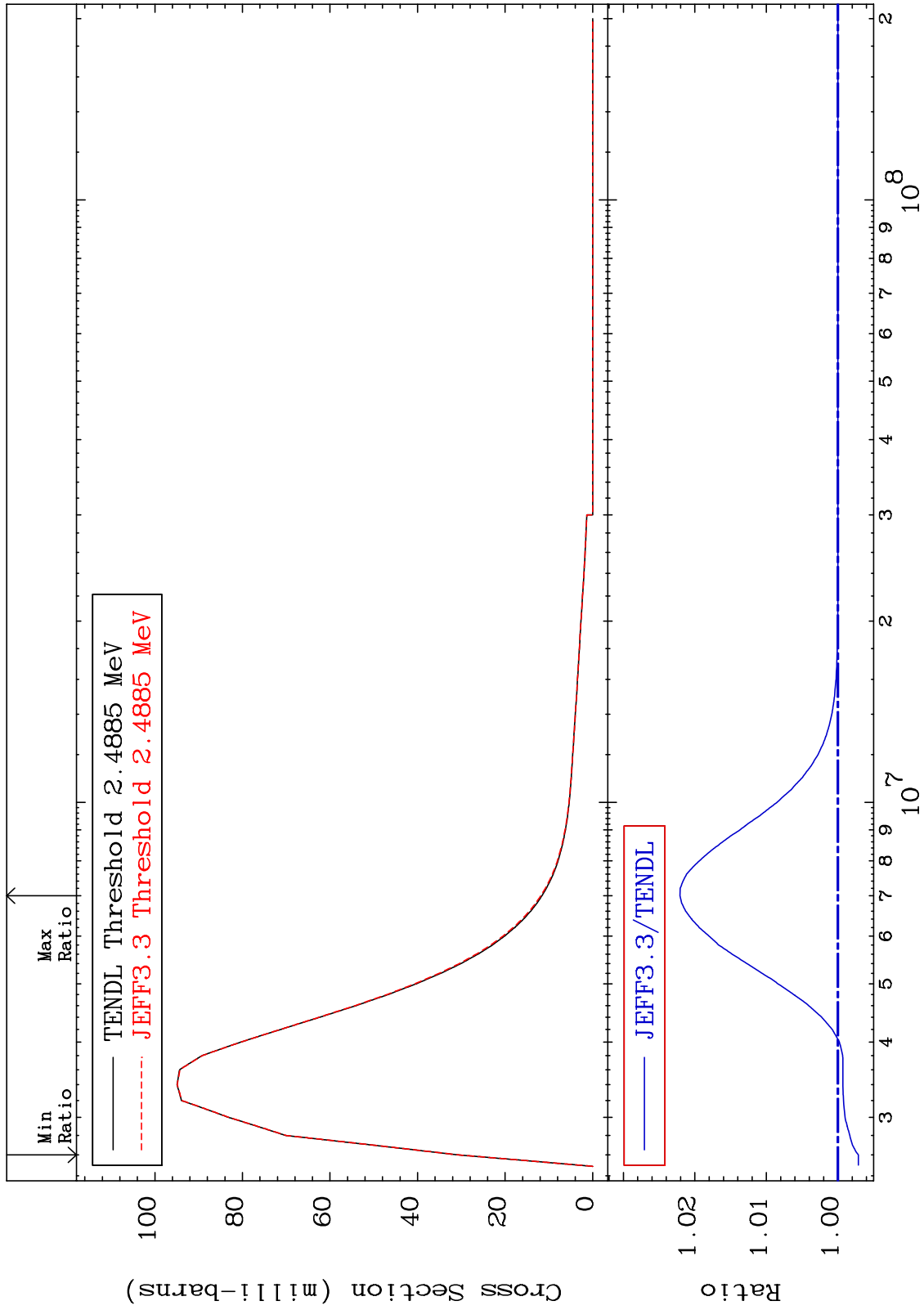
30-Zn-66
-0.035 To 1.037 %



MAT 3031

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

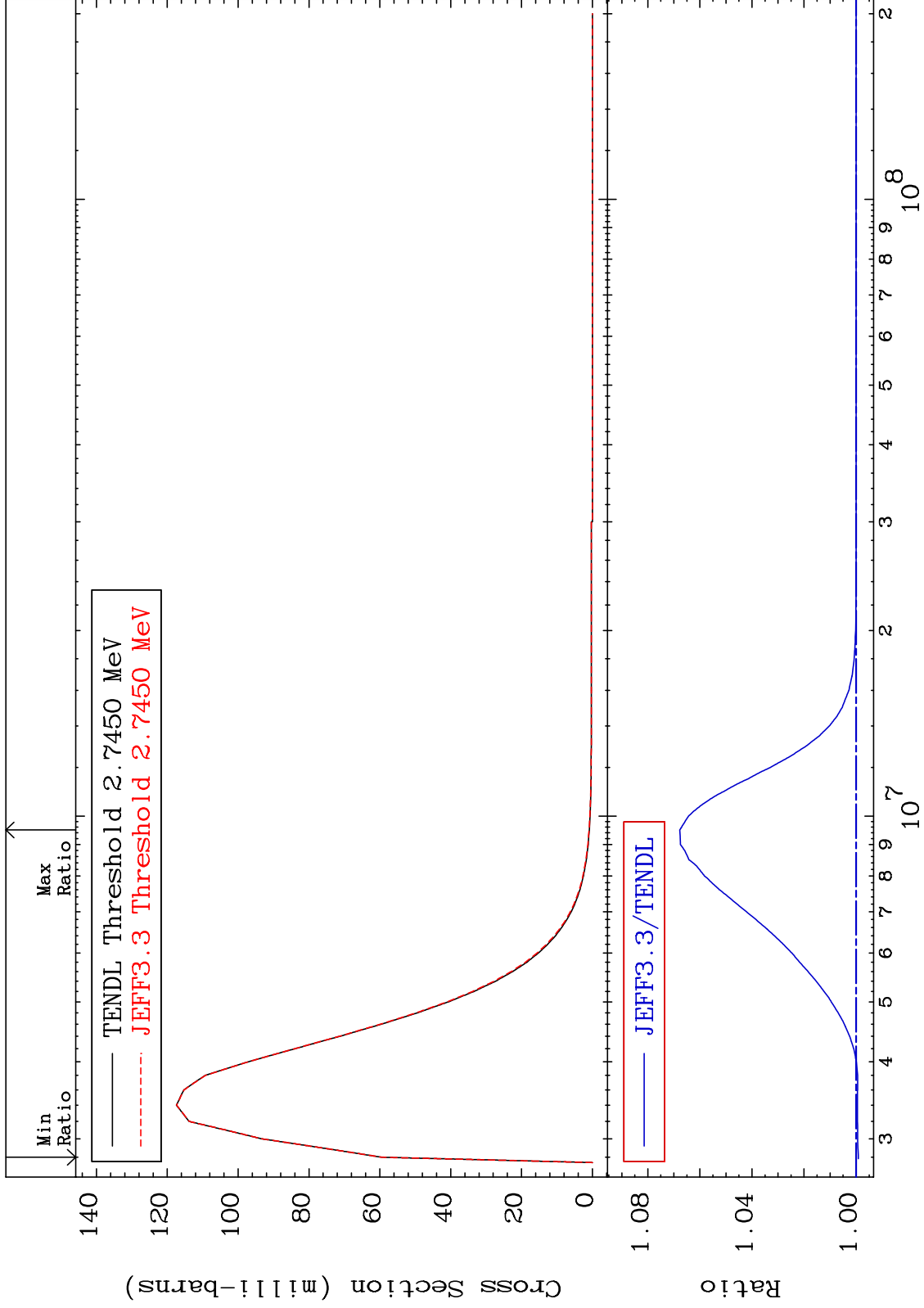
30-Zn-66
-0.287 To 2.208 %



MAT 3031

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

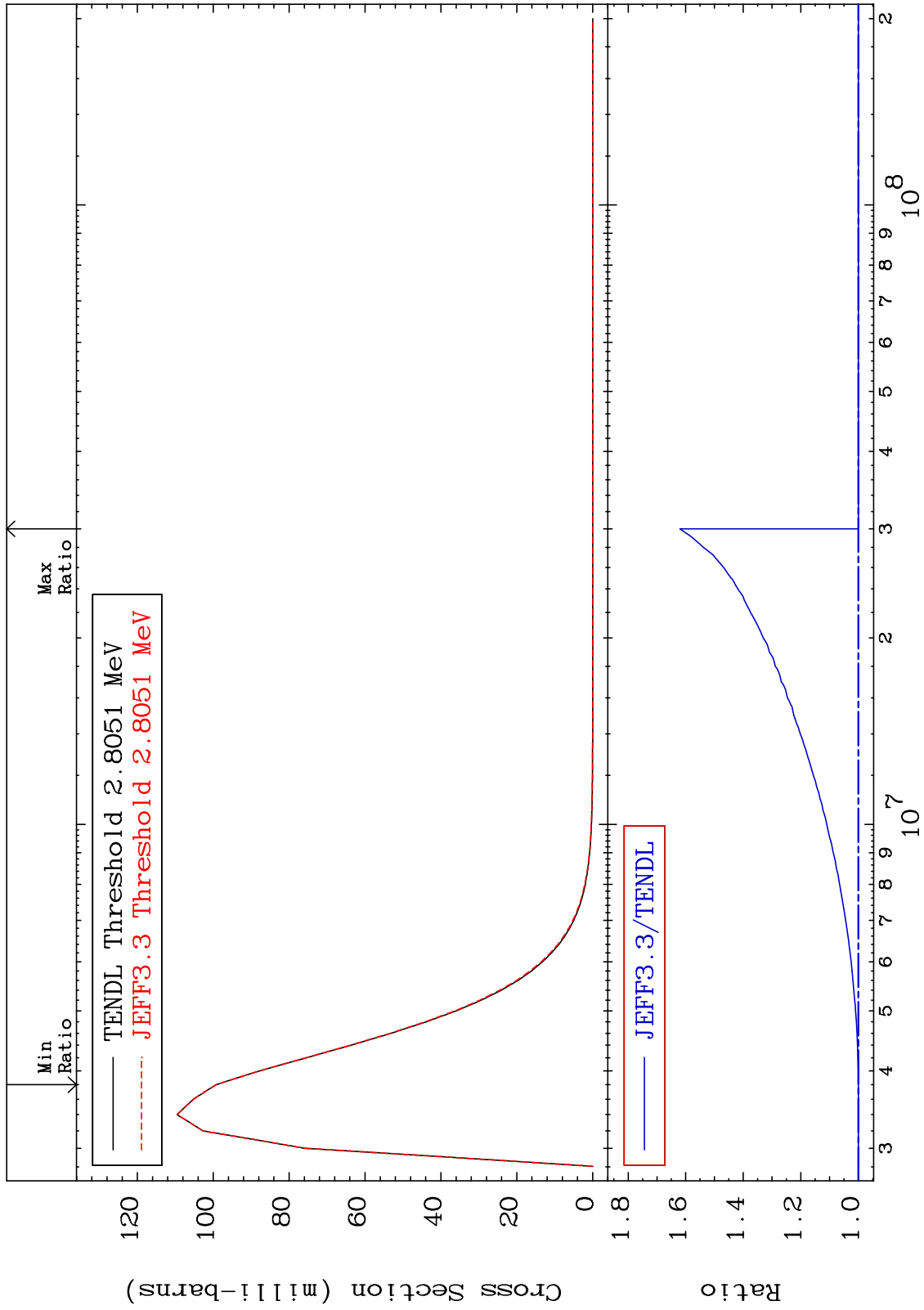
30-Zn-66
-0.087 To 6.772 %



MAT 3031

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

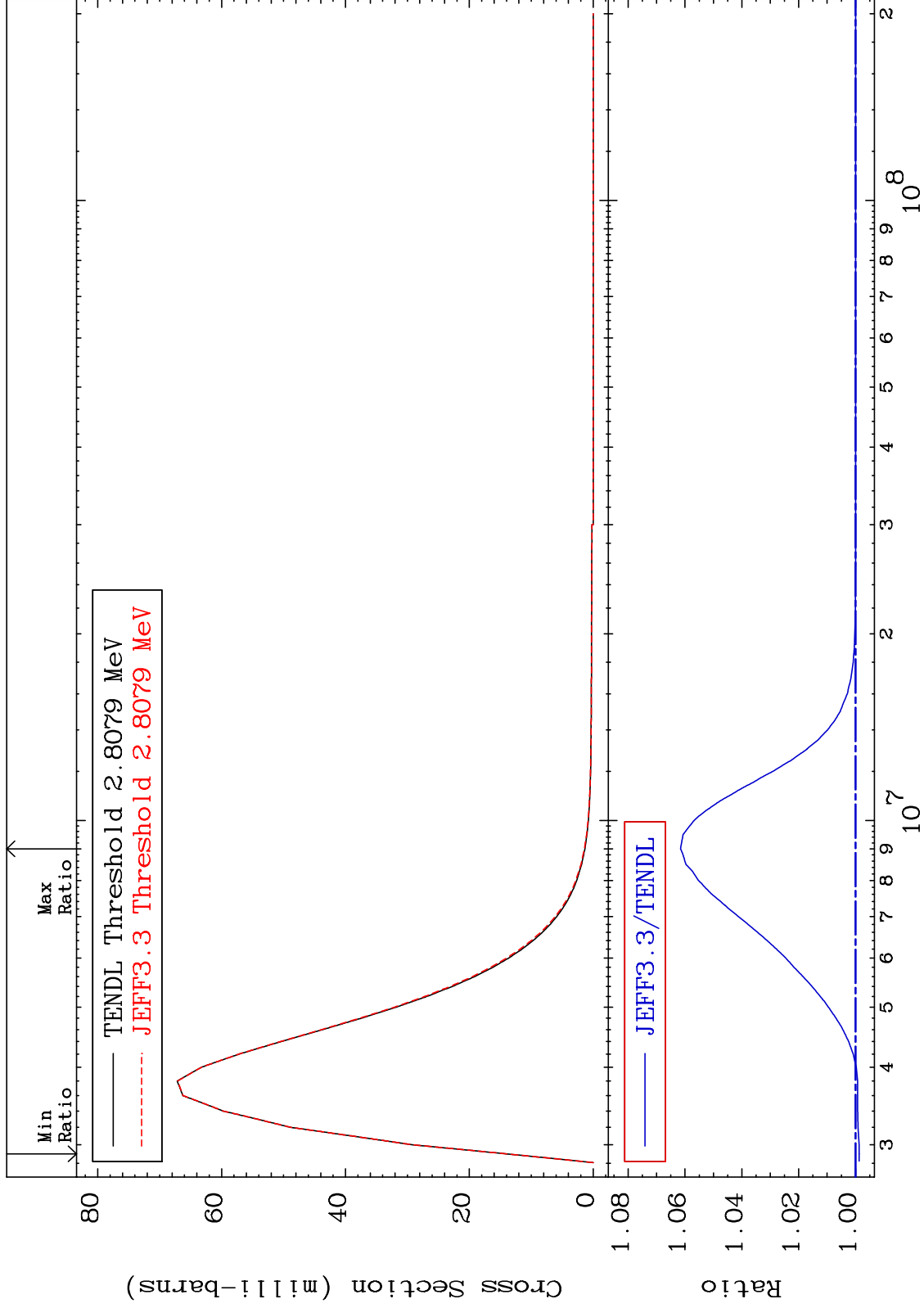
30-Zn-66
-0.047 To 61.98 %



MAT 3031

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

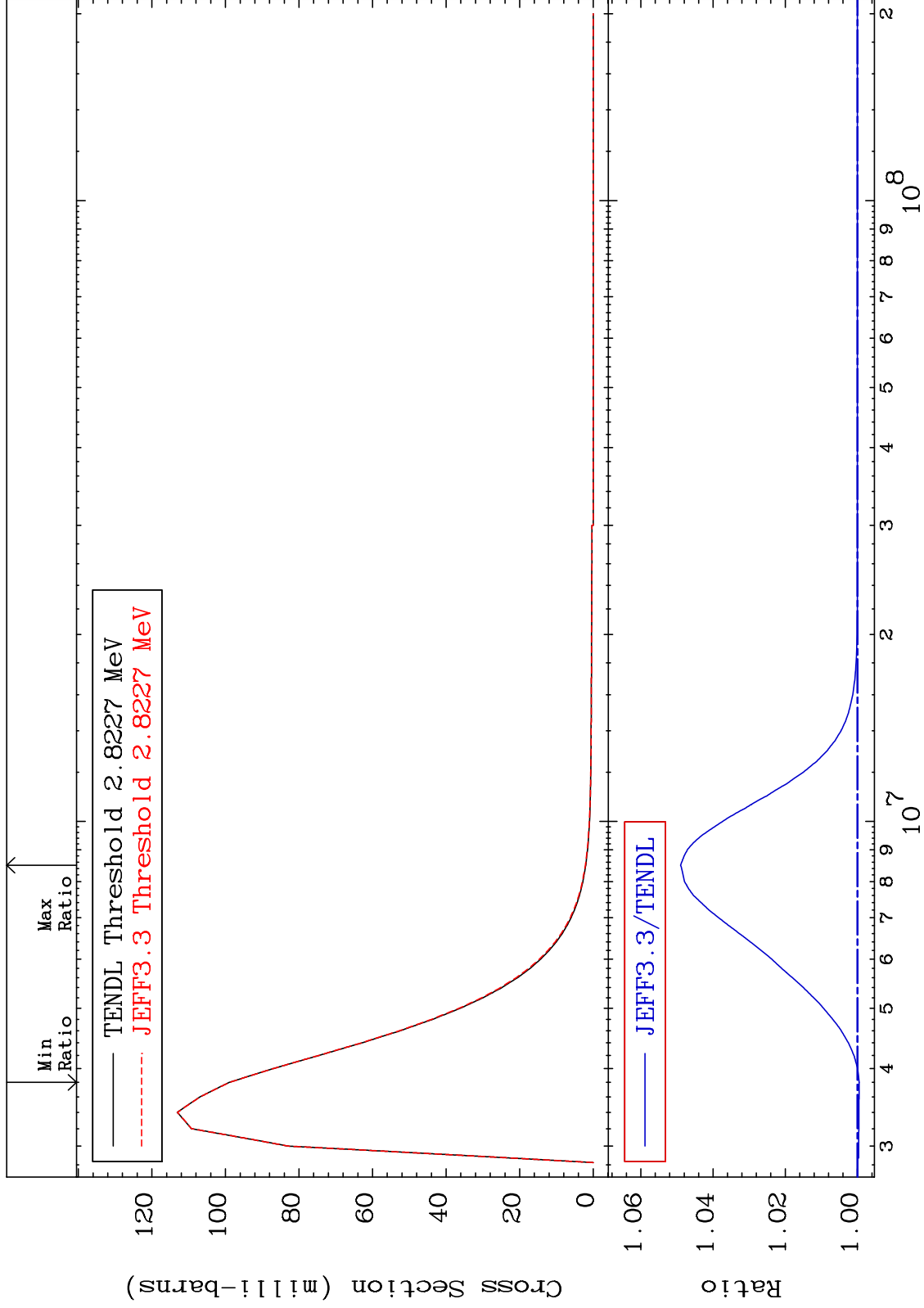
30-Zn-66
-0.127 To 6.154 %



MAT 3031

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

30-Zn-66
-0.048 To 4.898 %



26

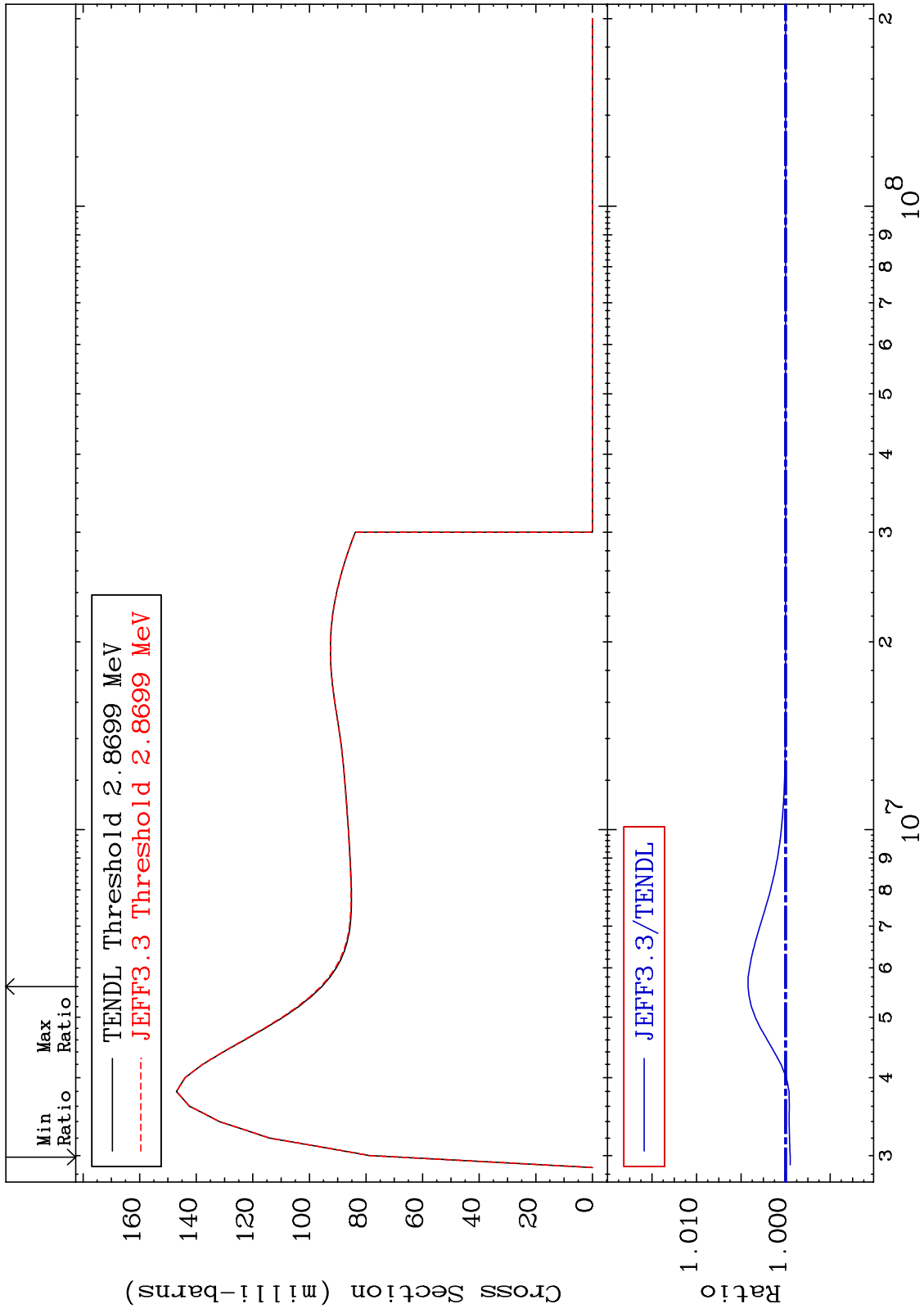
Incident Energy (eV)

30-Zn-66

MAT 3031

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

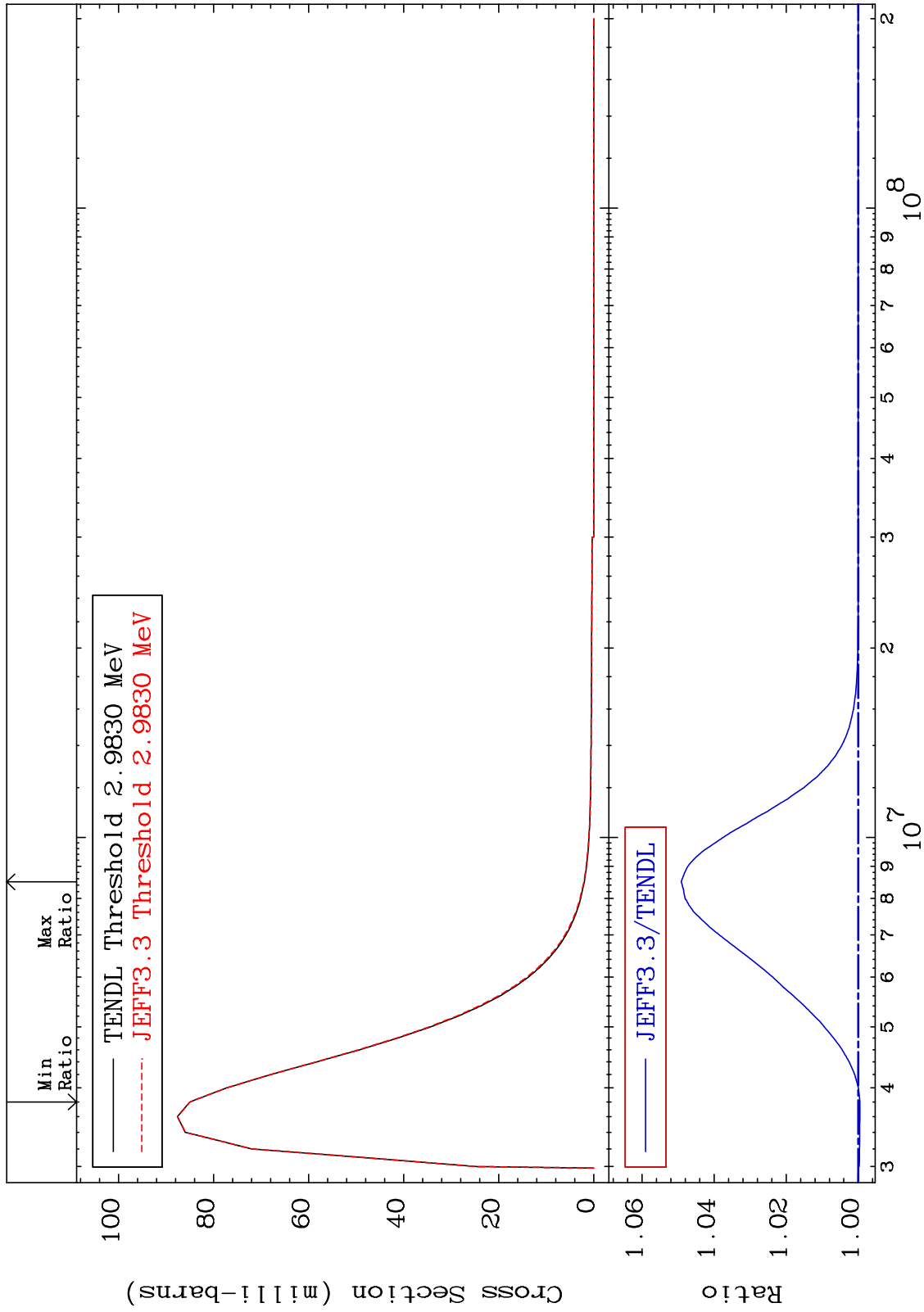
30-Zn-66
-0.050 To 0.423 %



MAT 3031

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

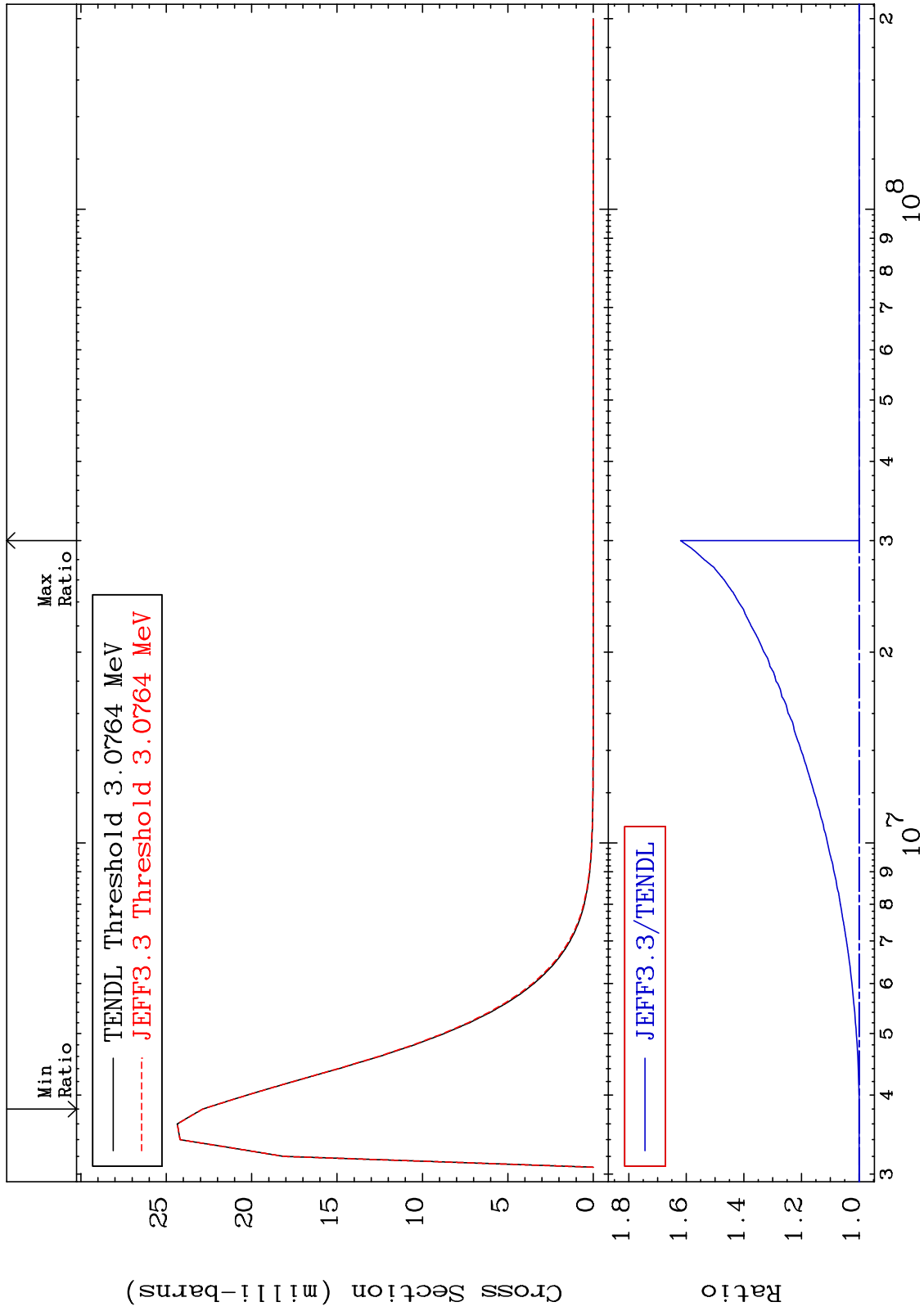
30-Zn-66
-0.047 To 4.914 %



MAT 3031

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

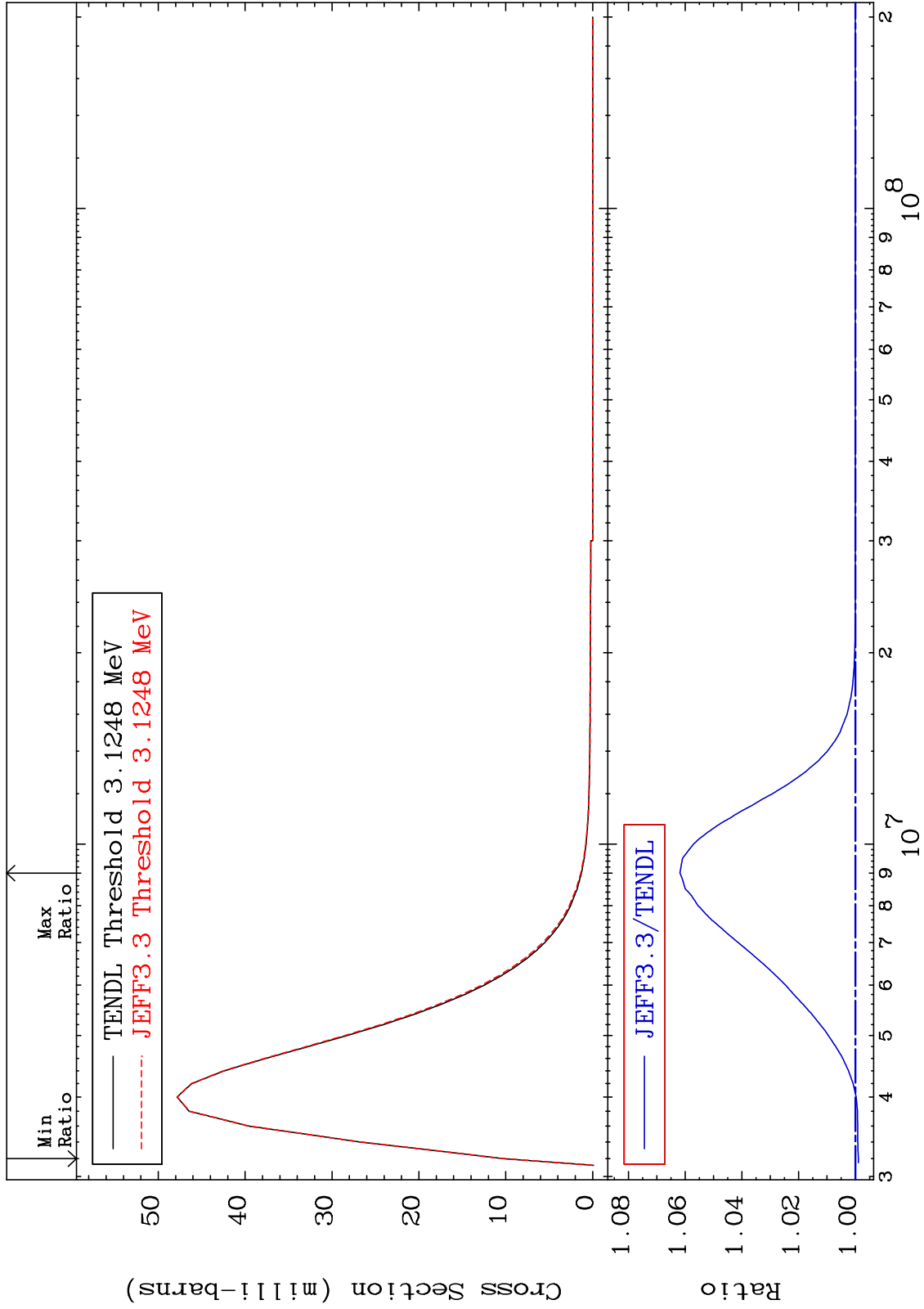
30-Zn-66
-0.040 To 61.98 %



MAT 3031

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

30-Zn-66
-0.106 To 6.181 %



30

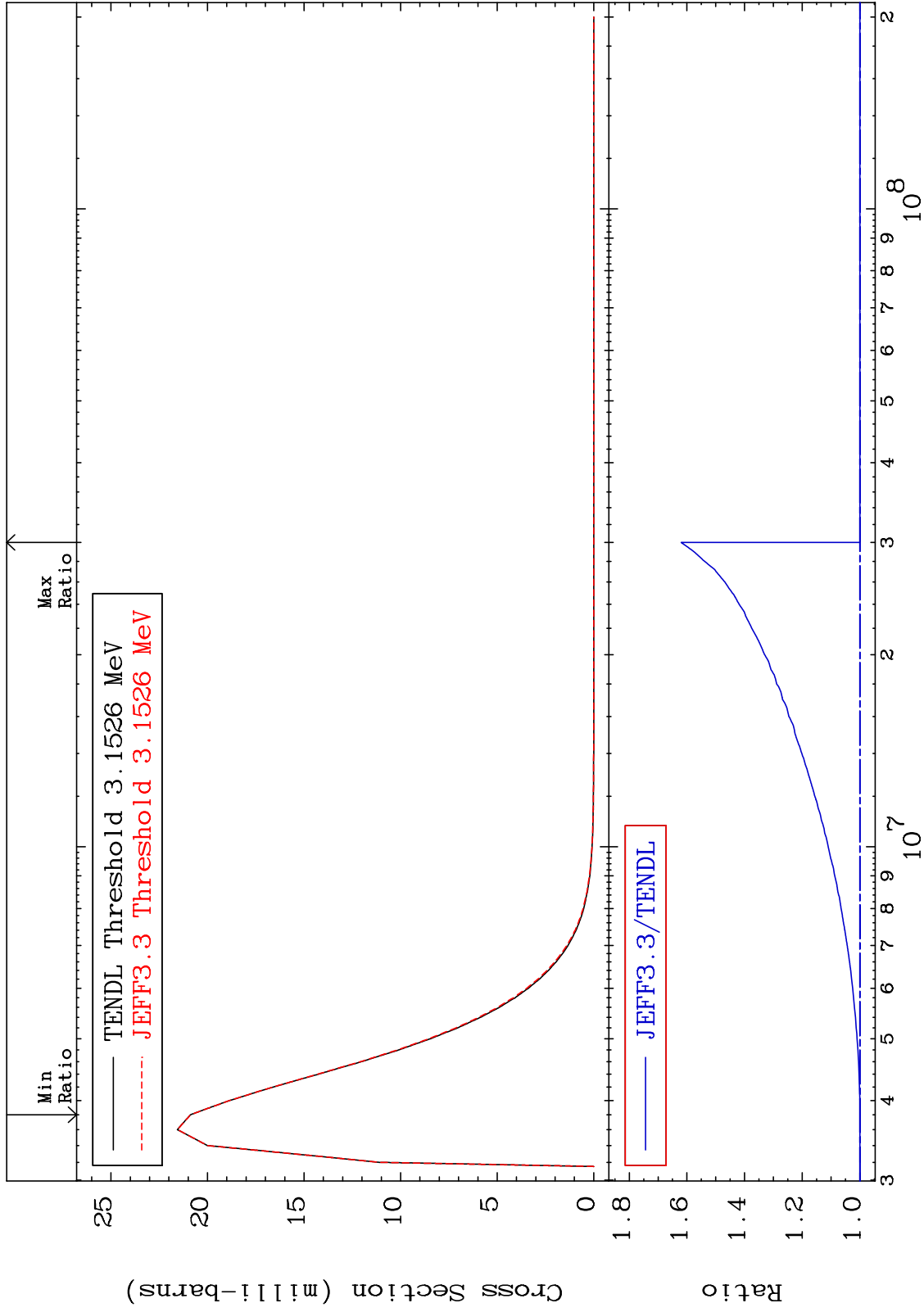
Incident Energy (eV)

30-Zn-66

MAT 3031

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

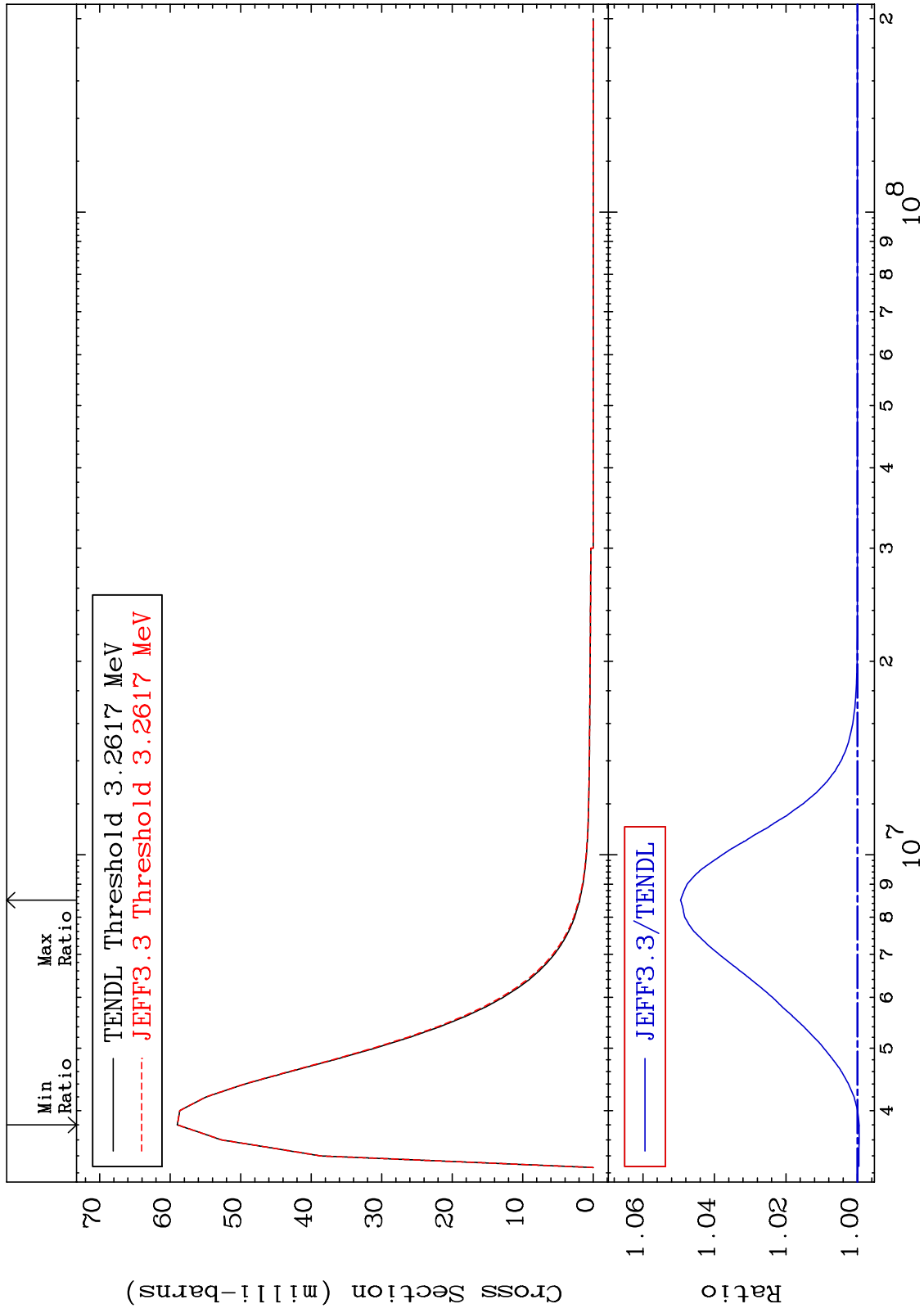
30-Zn-66
-0.040 To 61.98 %



MAT 3031

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

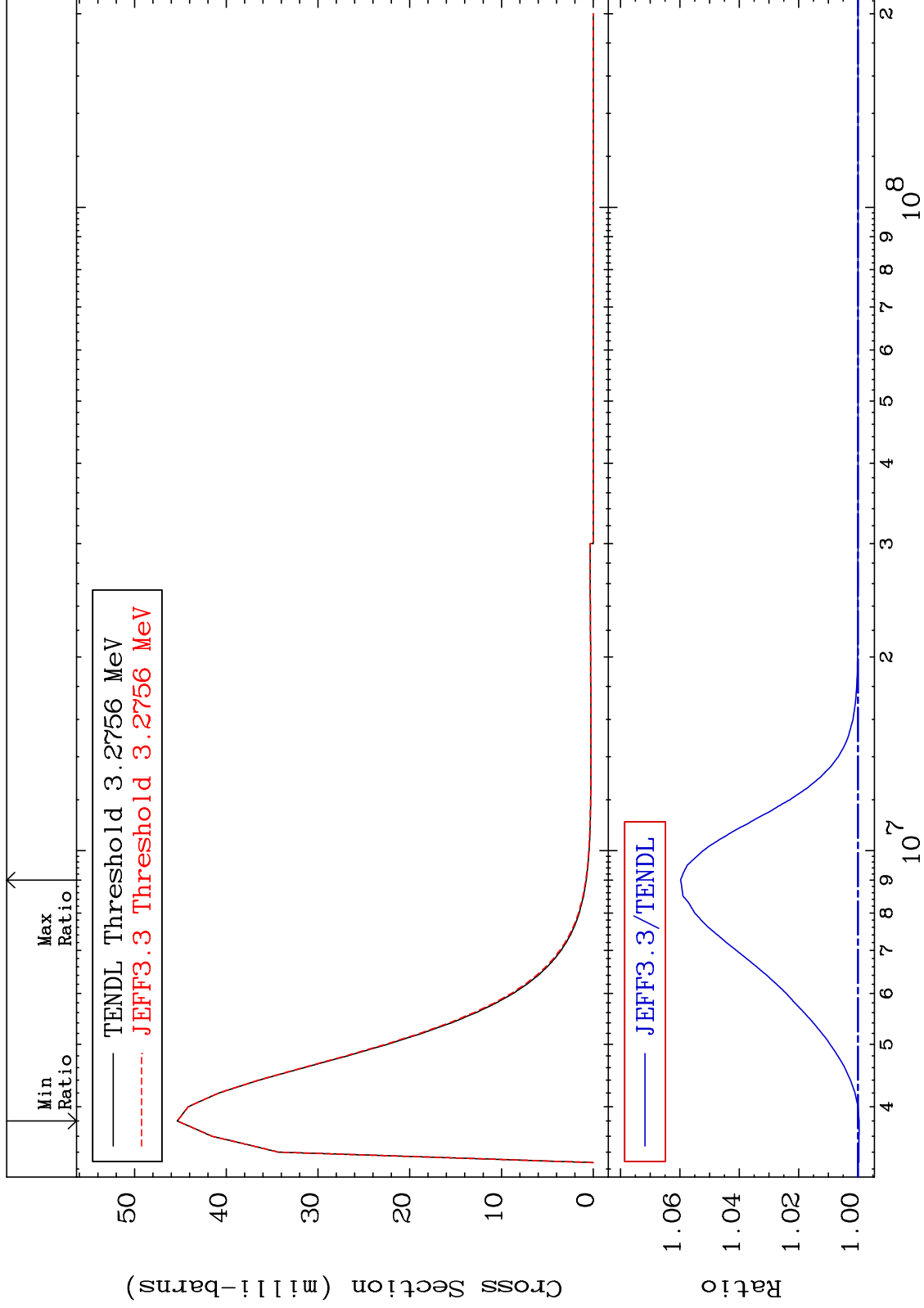
30-Zn-66
-0.047 To 4.945 %



MAT 3031

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

30-Zn-66
-0.042 To 5.974 %



33

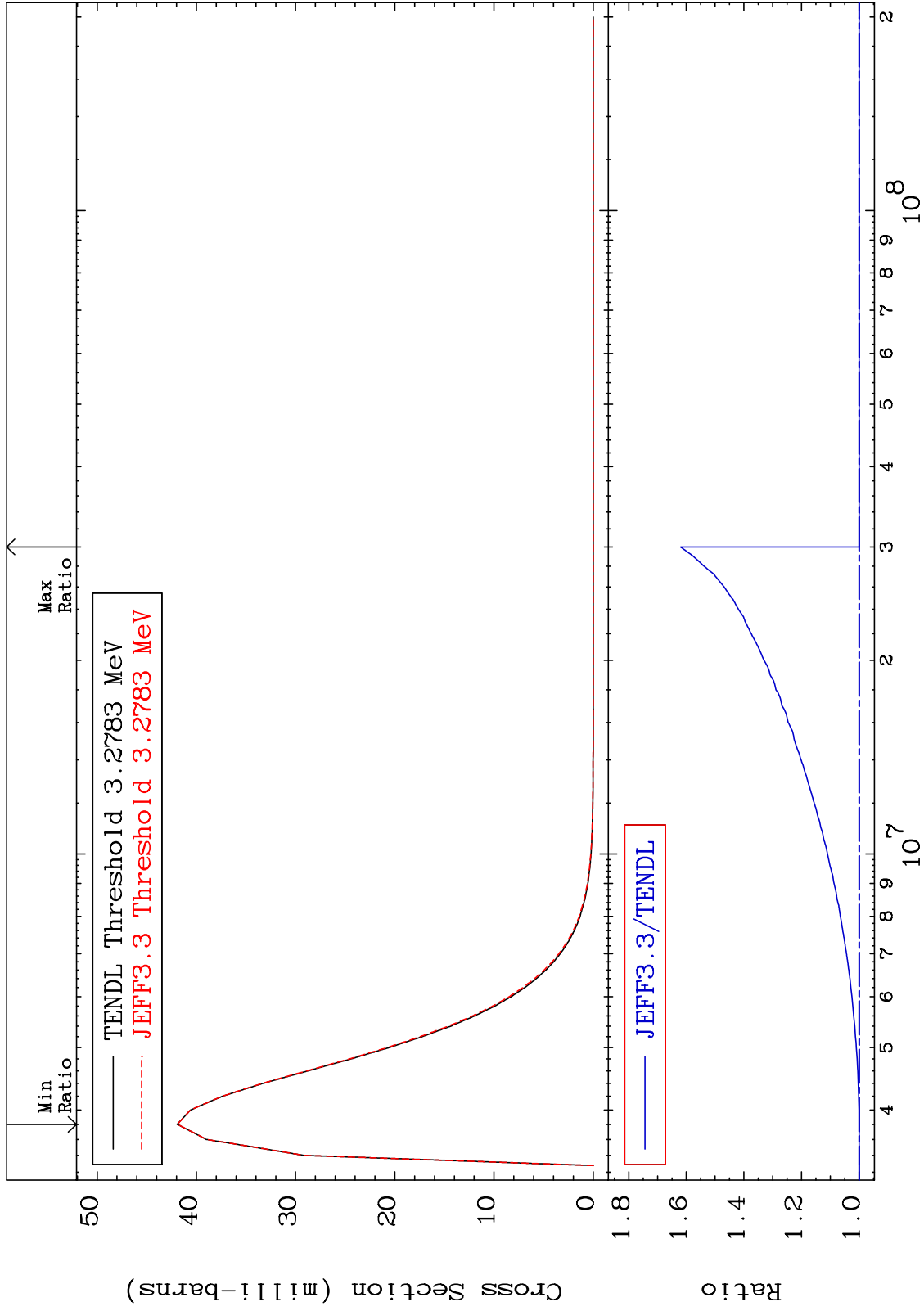
Incident Energy (eV)

30-Zn-66

MAT 3031

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

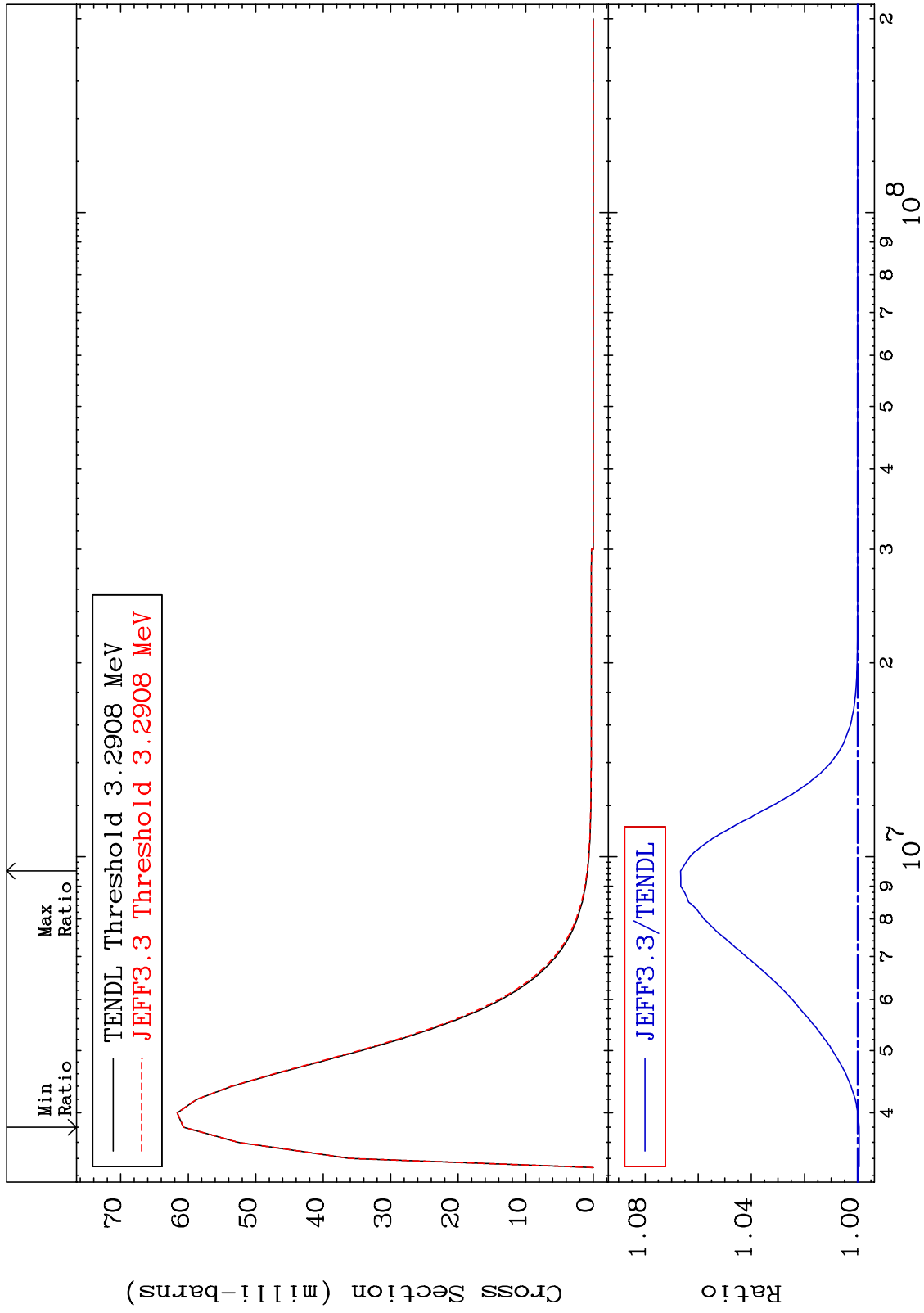
30-Zn-66
-0.042 To 61.98 %



MAT 3031

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

30-Zn-66
-0.056 To 6.663 %



35

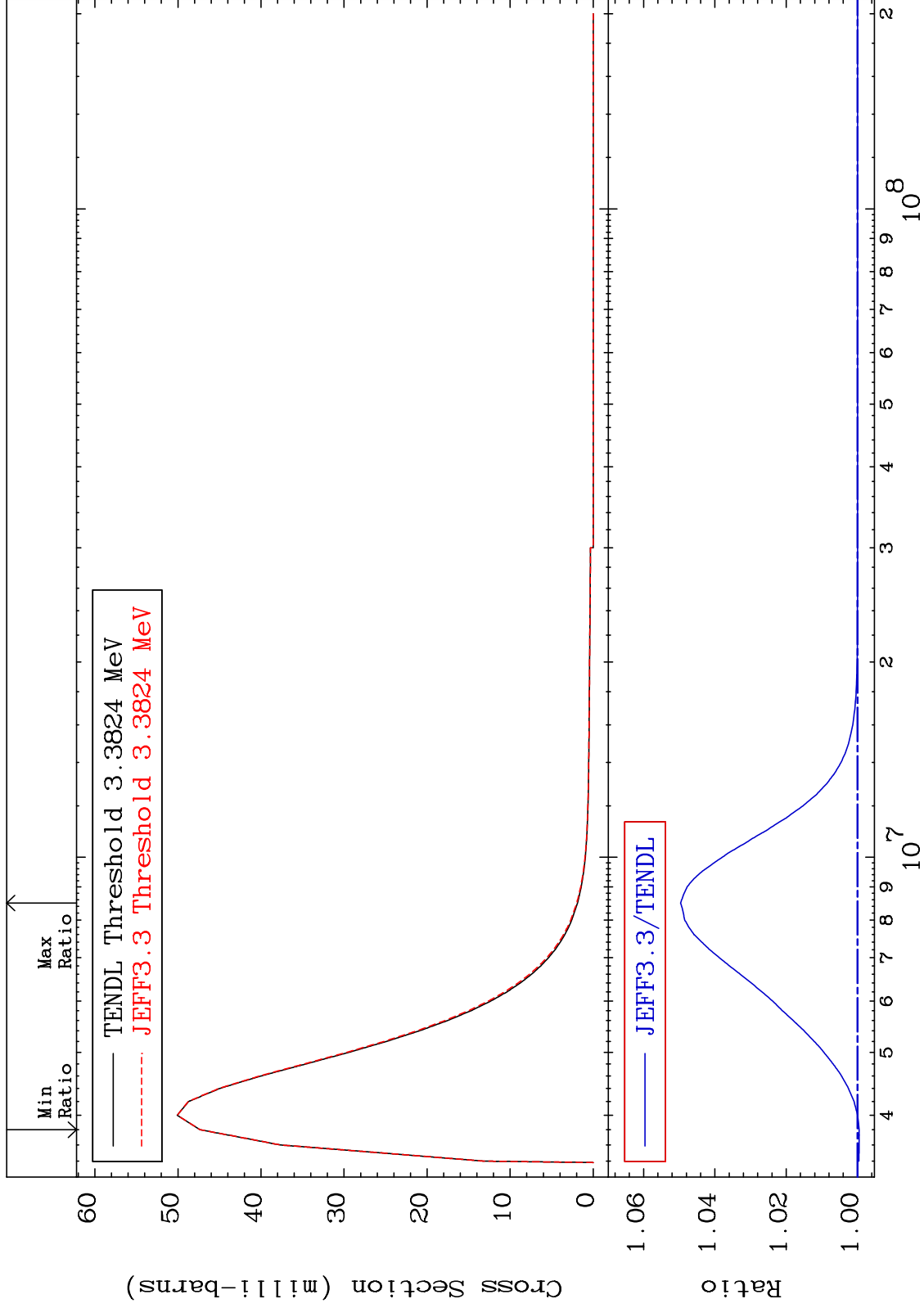
Incident Energy (eV)

30-Zn-66

MAT 3031

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

30-Zn-66
-0.047 To 4.961 %



36

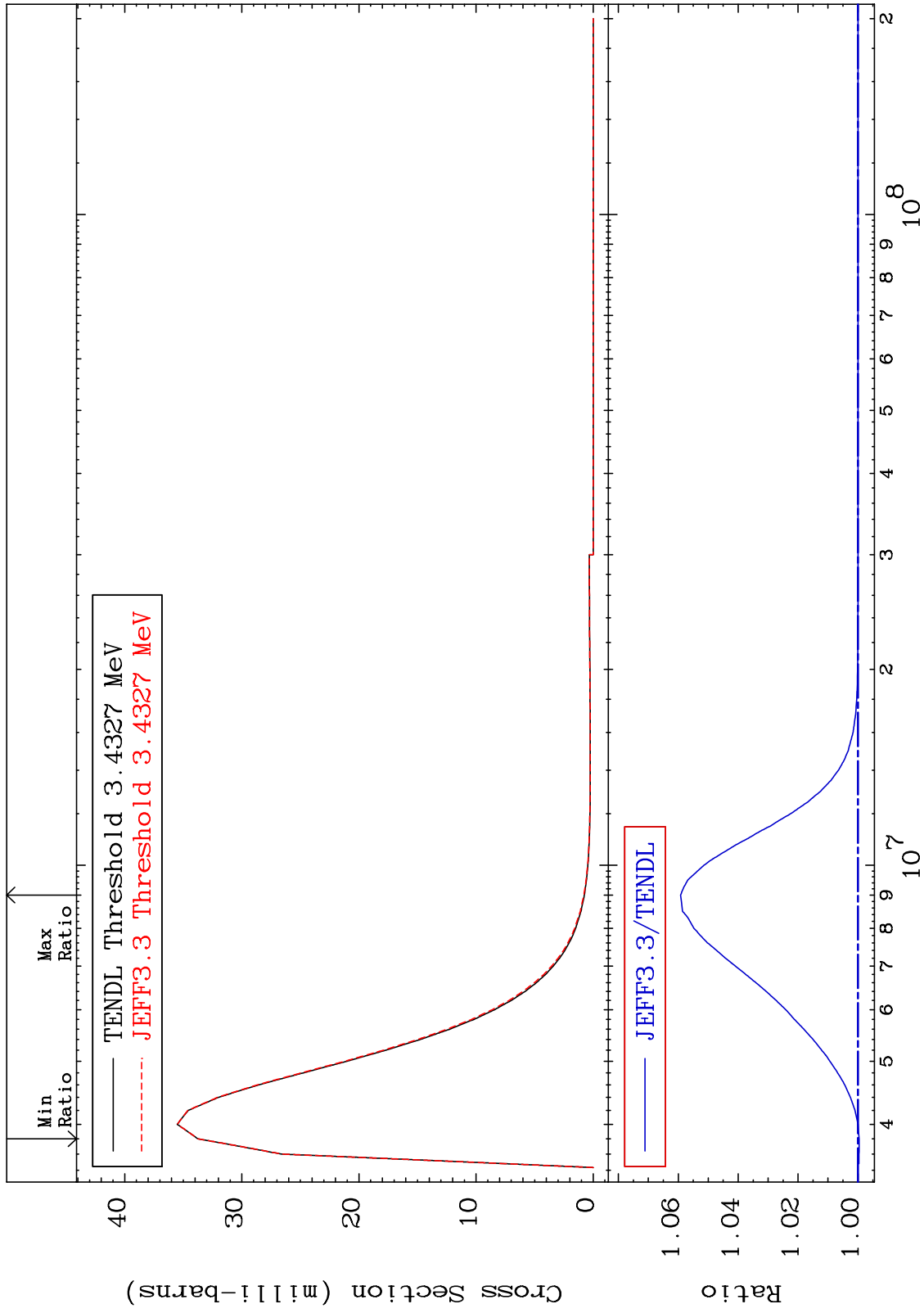
Incident Energy (eV)

30-Zn-66

MAT 3031

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

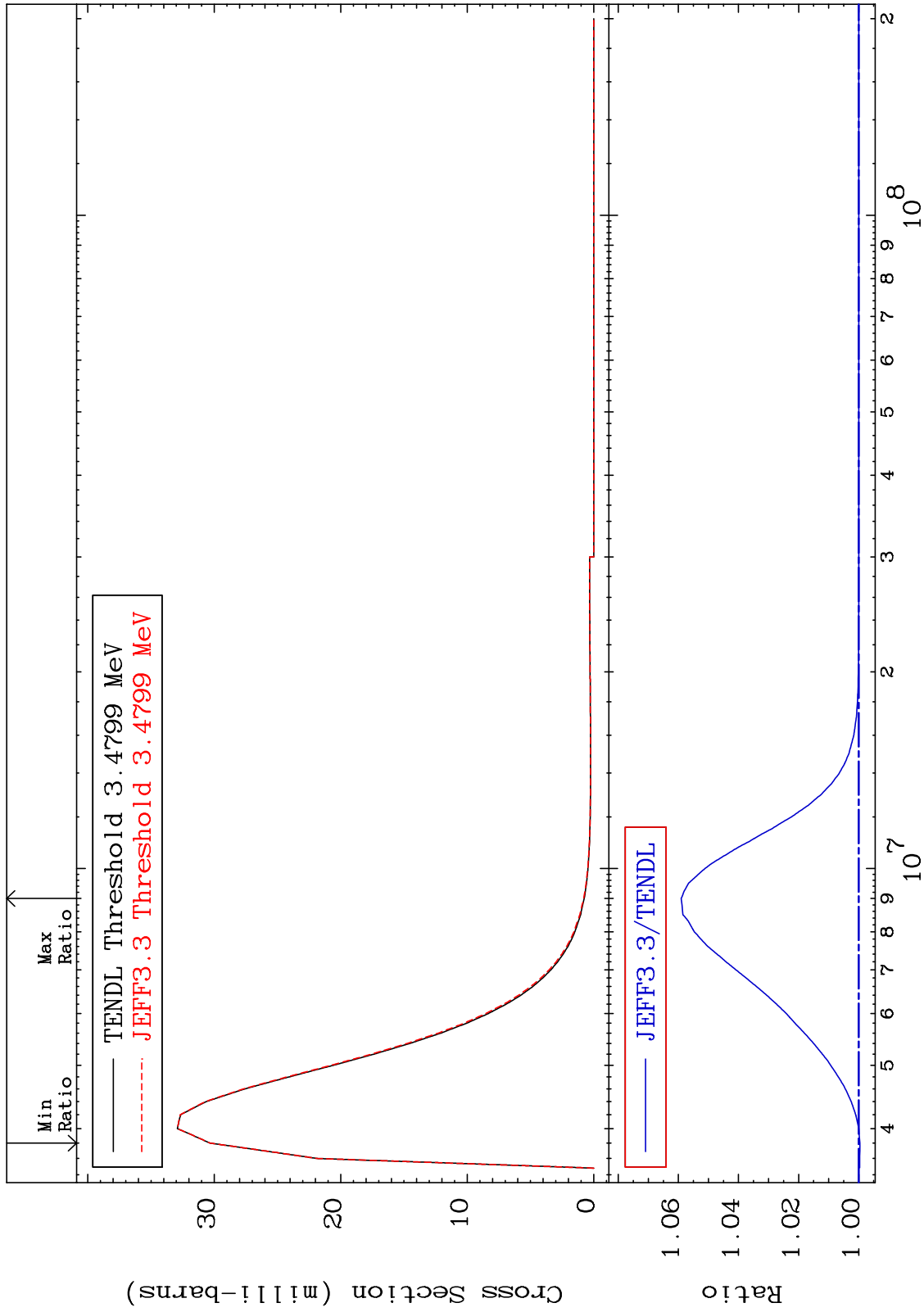
30-Zn-66
-0.041 To 5.922 %



MAT 3031

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

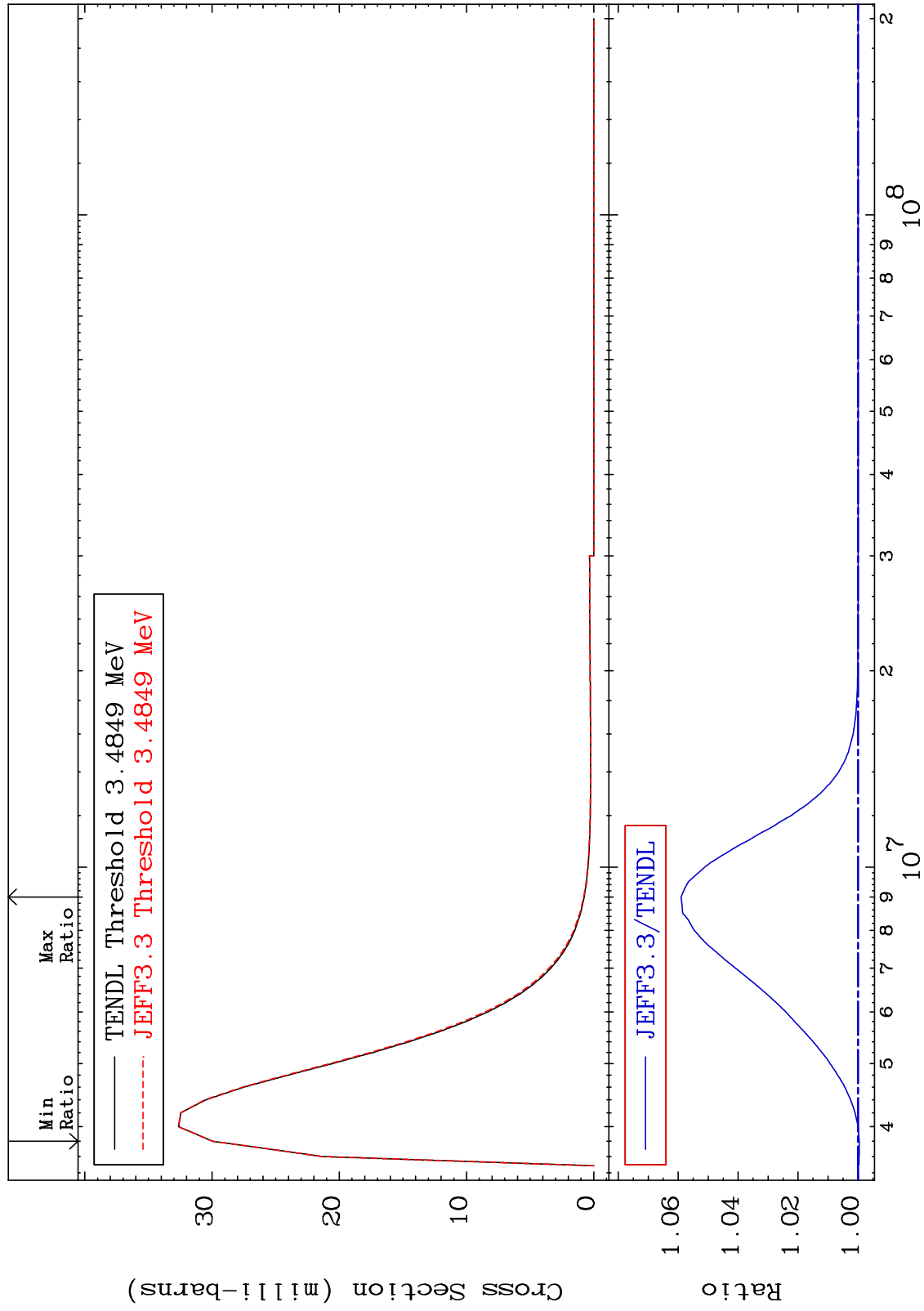
30-Zn-66
-0.041 To 5.906 %



MAT 3031

MT= 71 (n,n') Level
Cross Section

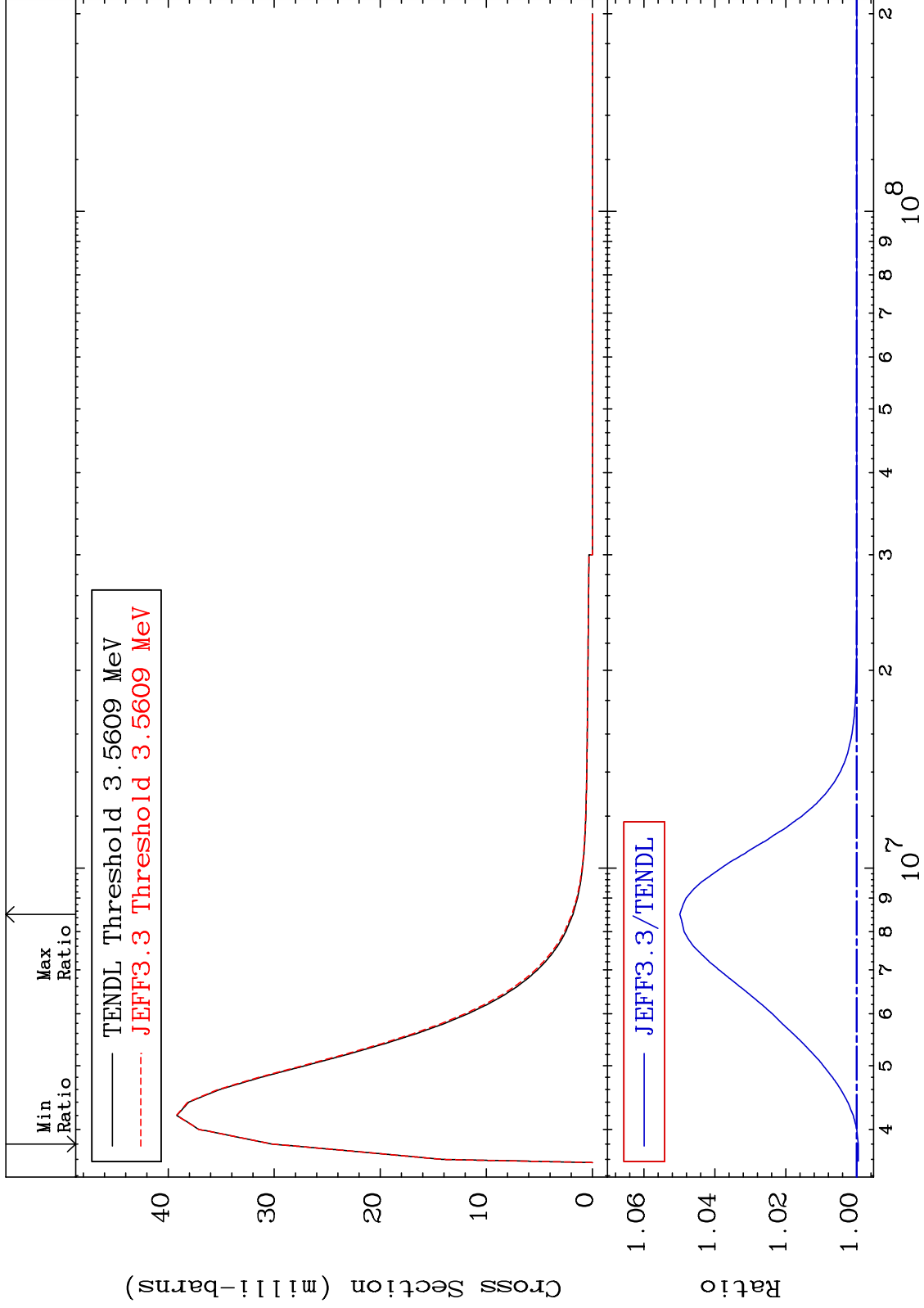
30-Zn-66
-0.041 To 5.905 %



MAT 3031

MT= 72 (n,n') Level
Cross Section

30-Zn-66
-0.046 To 4.986 %



40

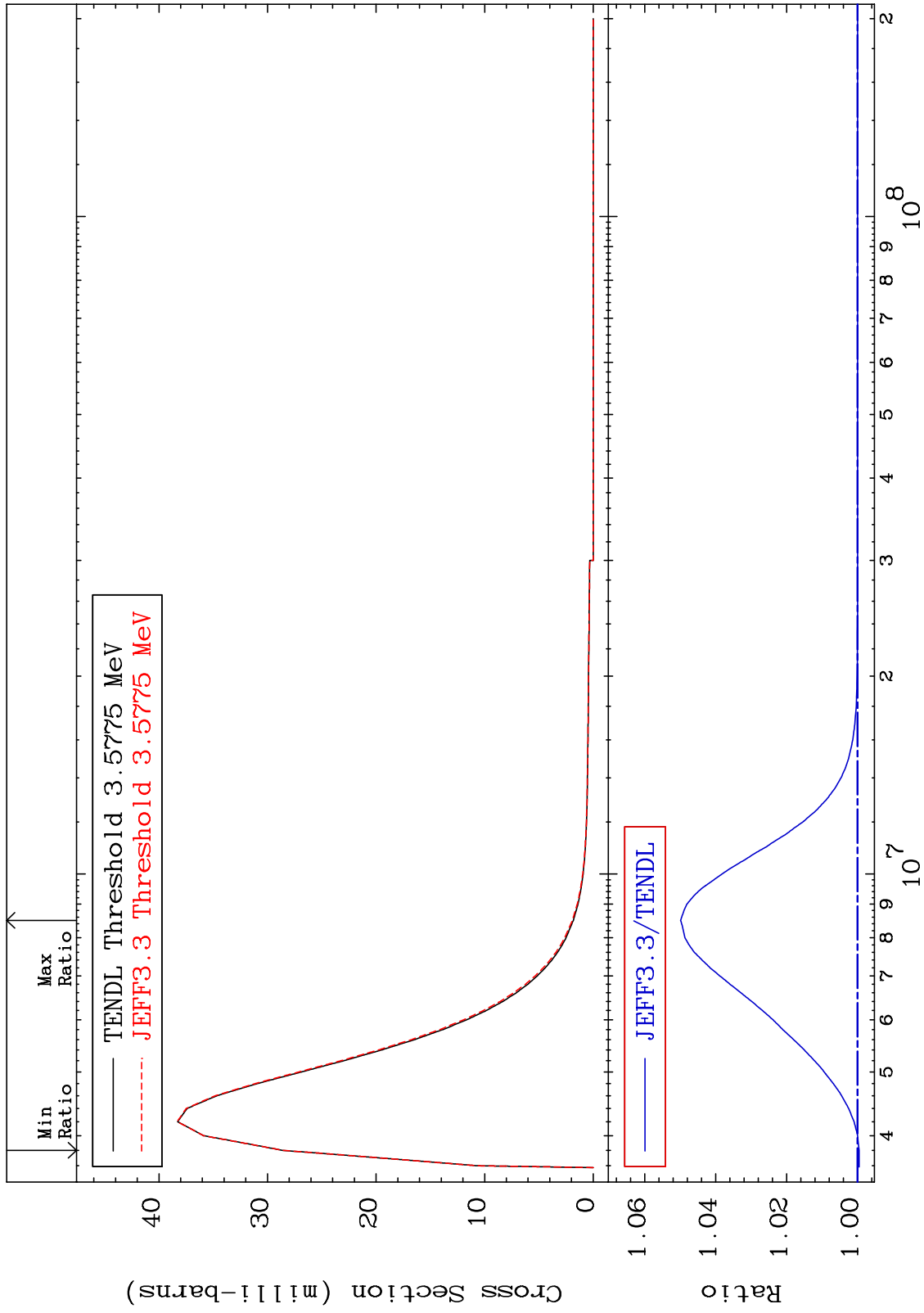
Incident Energy (eV)

30-Zn-66

MAT 3031

MT= 73 (n,n') Level
Cross Section

30-Zn-66
-0.046 To 4.989 %



41

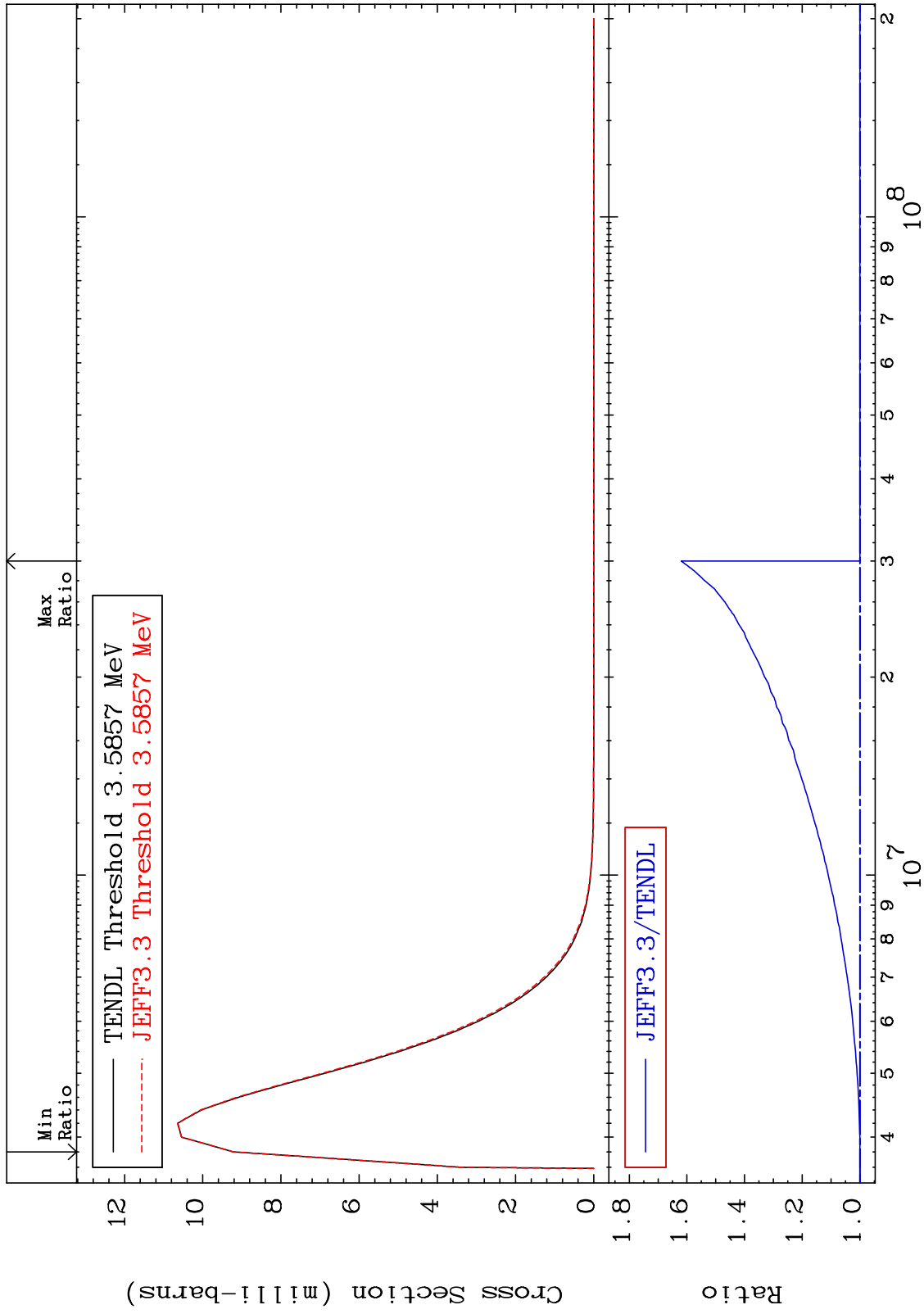
Incident Energy (eV)

30-Zn-66

MAT 3031

MT= 74 (n,n') Level
Cross Section

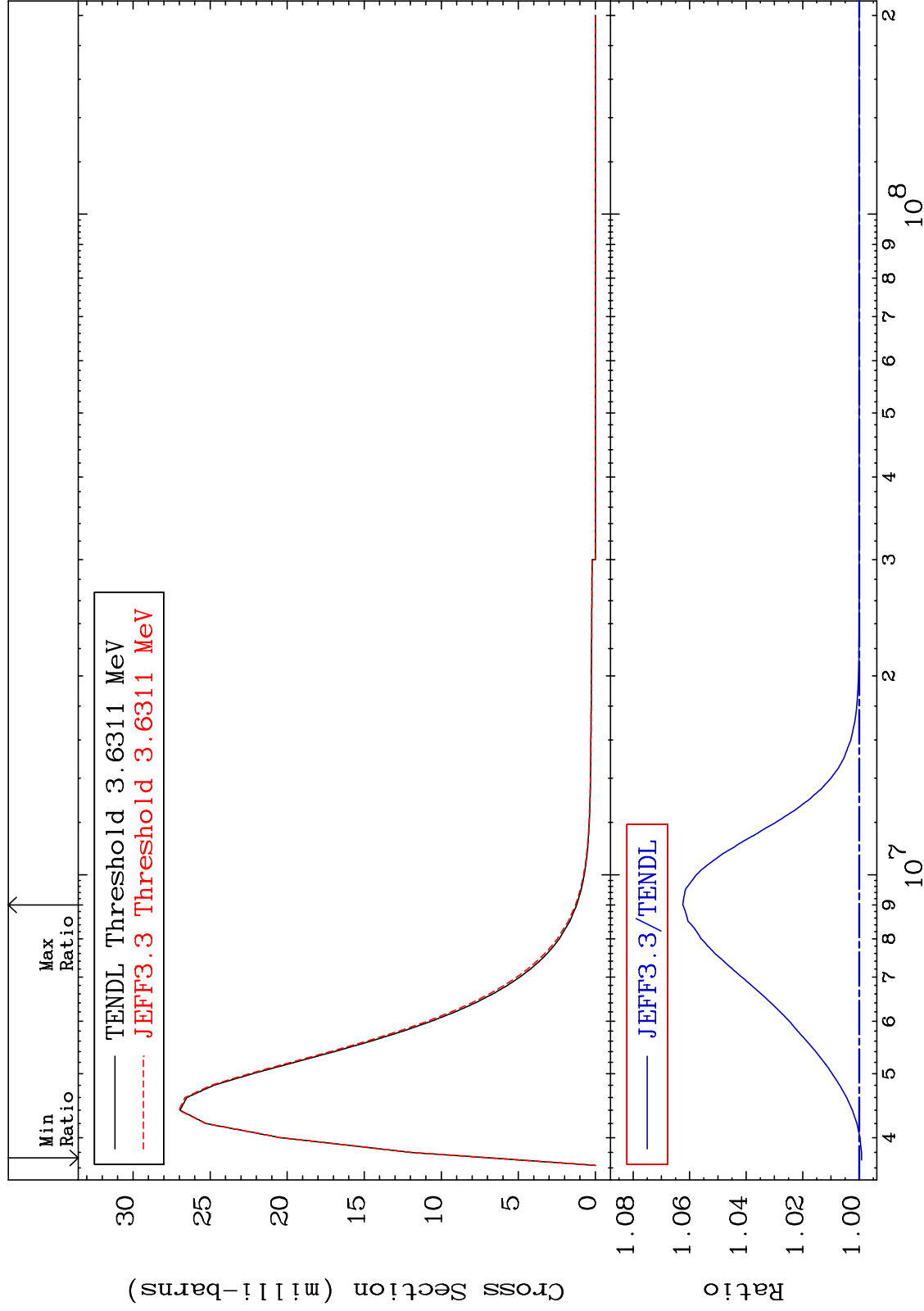
30-Zn-66
-0.039 To 61.98 %



MAT 3031

MT= 75 (n,n') Level
Cross Section

30-Zn-66
-0.083 To 6.241 %



43

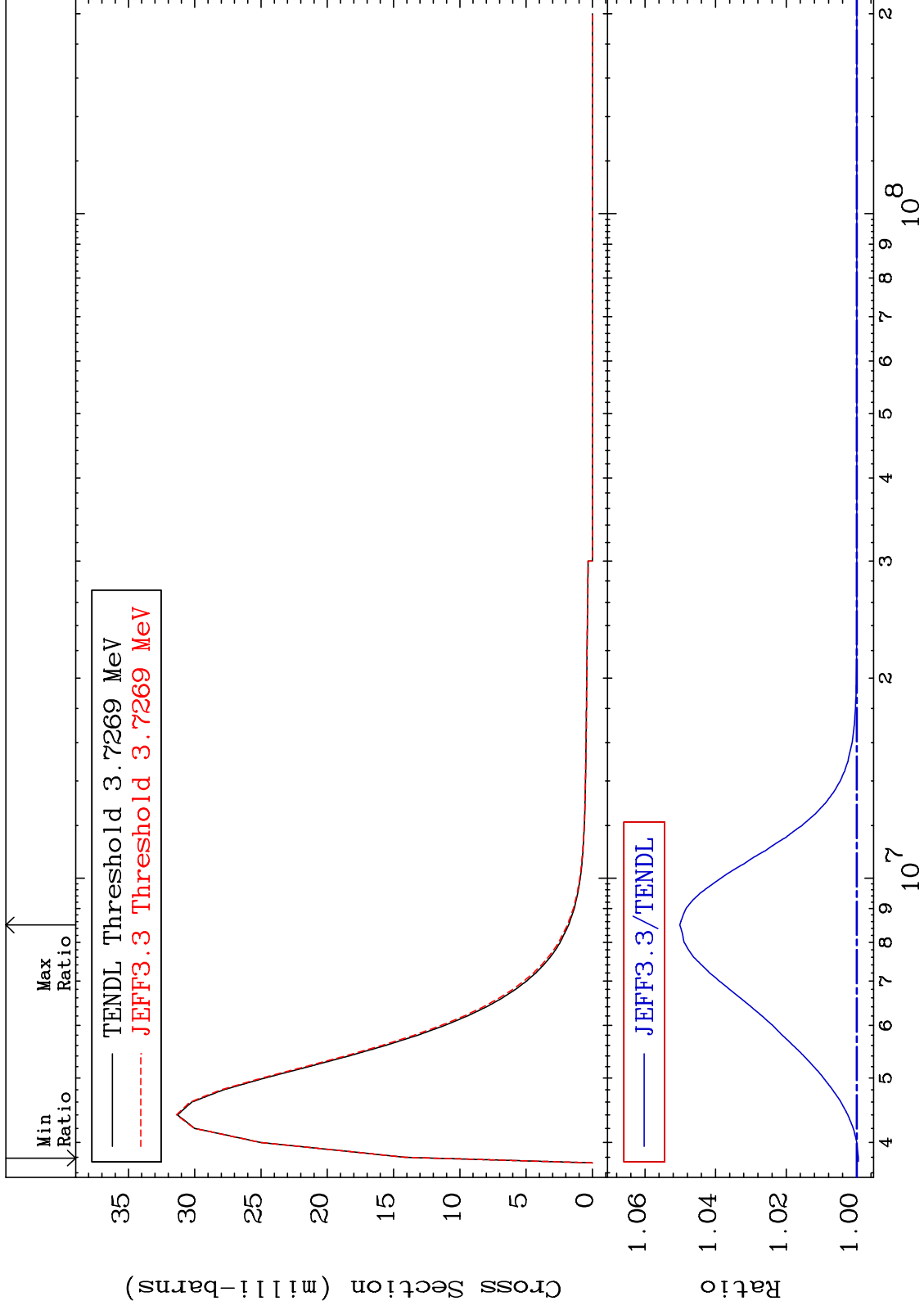
Incident Energy (eV)

30-Zn-66

MAT 3031

MT= 76 (n,n') Level
Cross Section

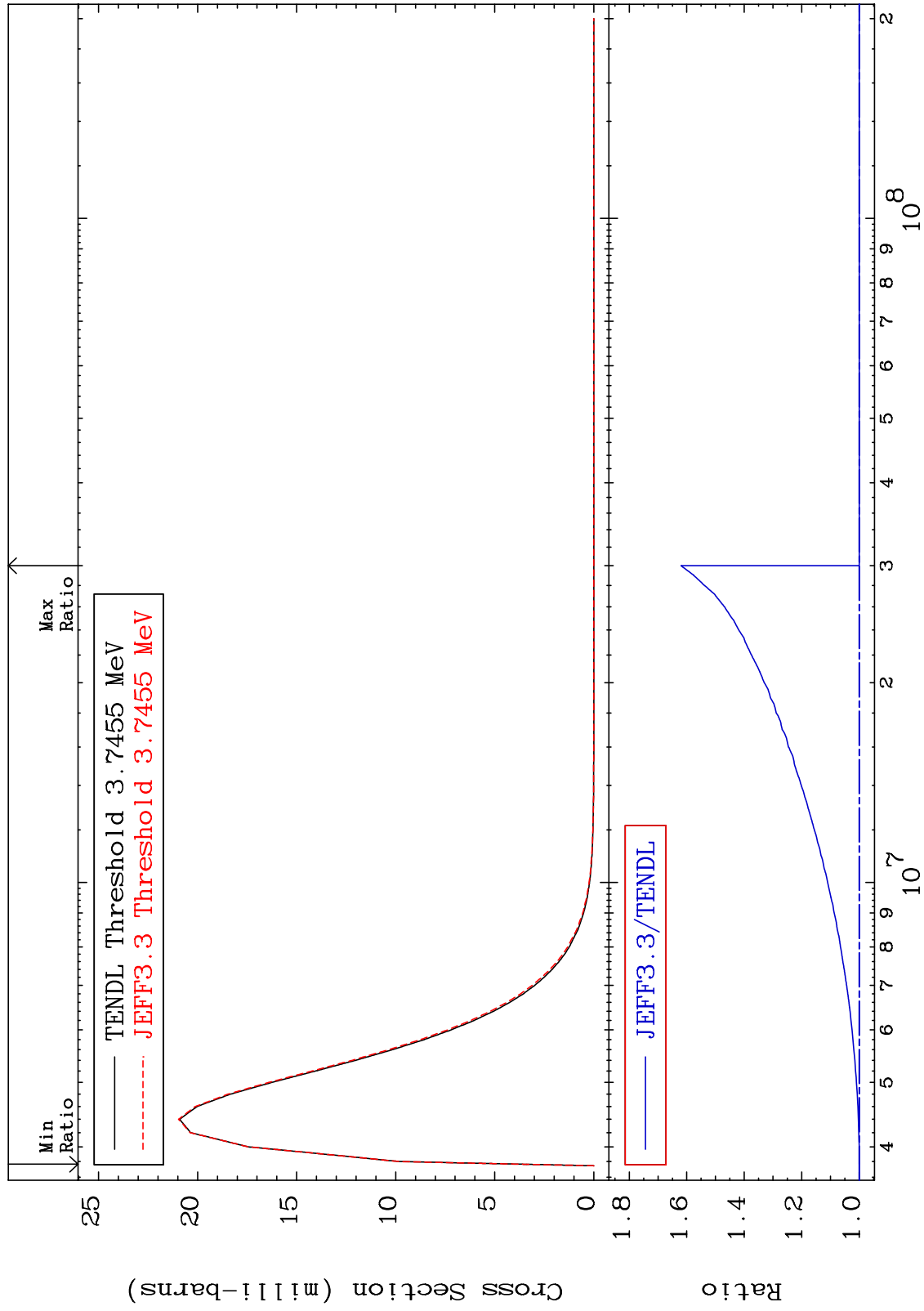
30-Zn-66
-0.044 To 5.012 %



MAT 3031

MT= 77 (n,n') Level
Cross Section

30-Zn-66
-0.041 To 61.99 %



45

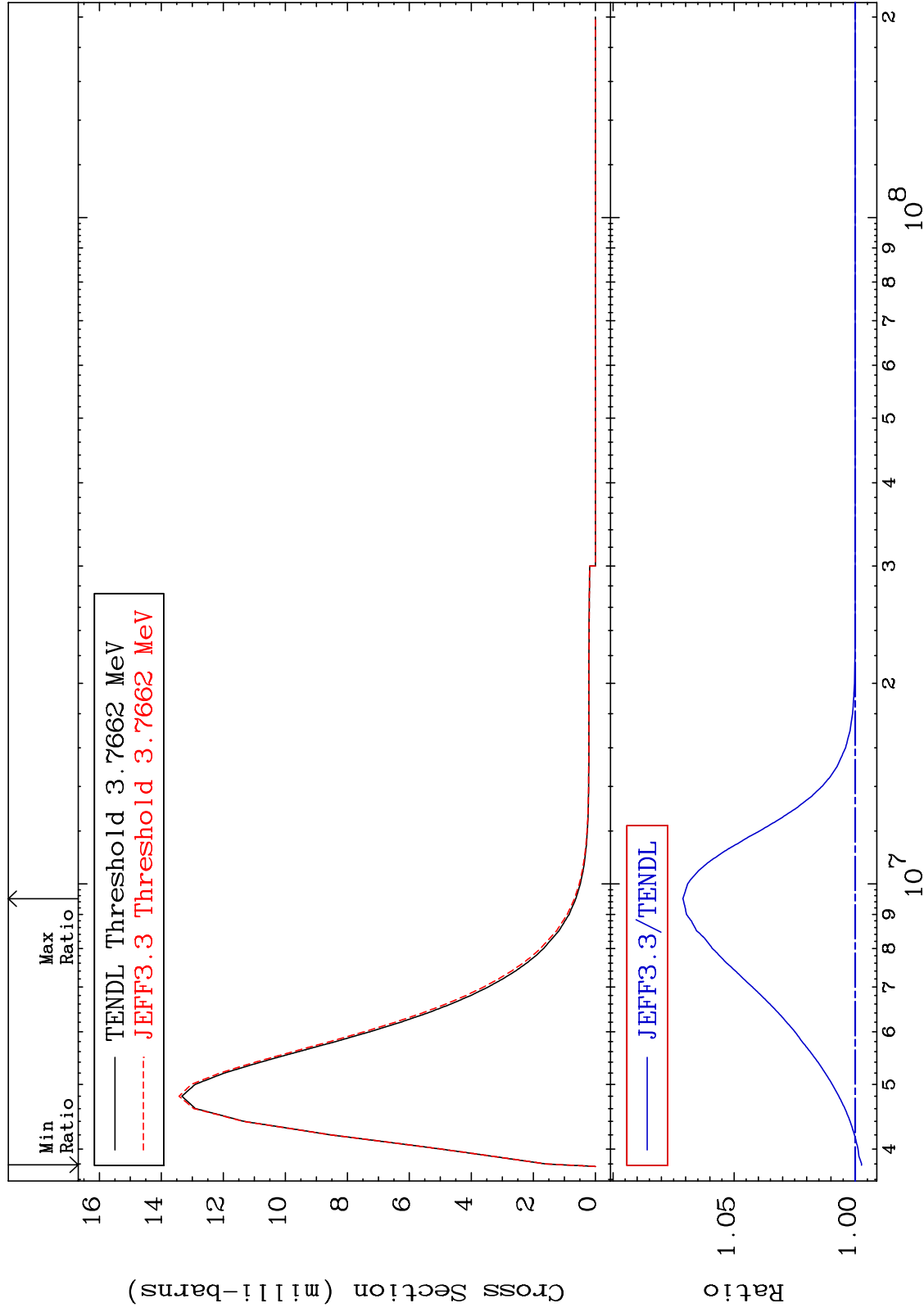
Incident Energy (eV)

30-Zn-66

MAT 3031

MT= 78 (n,n') Level
Cross Section

30-Zn-66
-0.263 To 7.116 %



46

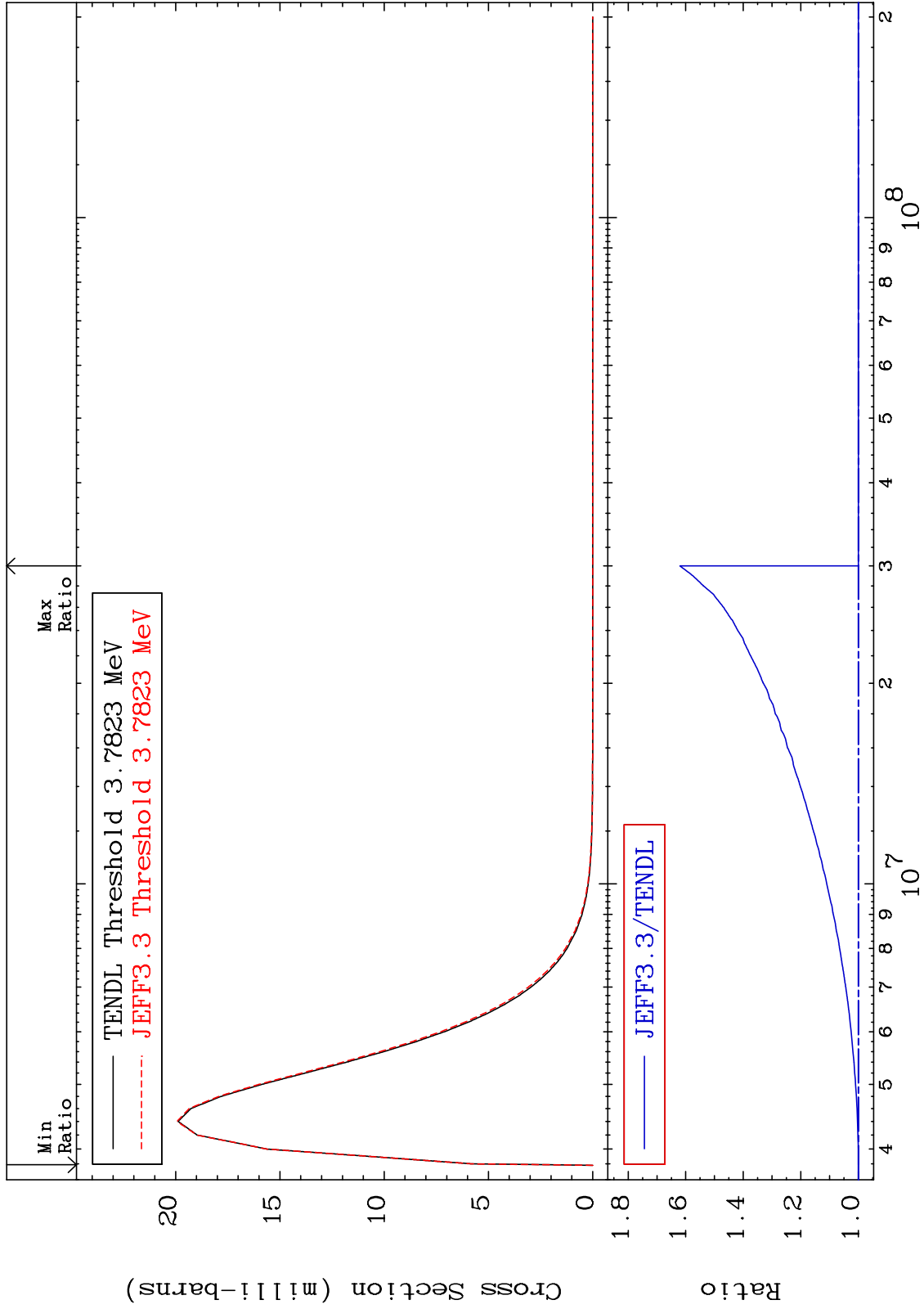
Incident Energy (eV)

30-Zn-66

MAT 3031

MT= 79 (n,n') Level
Cross Section

30-Zn-66
-0.042 To 61.99 %



47

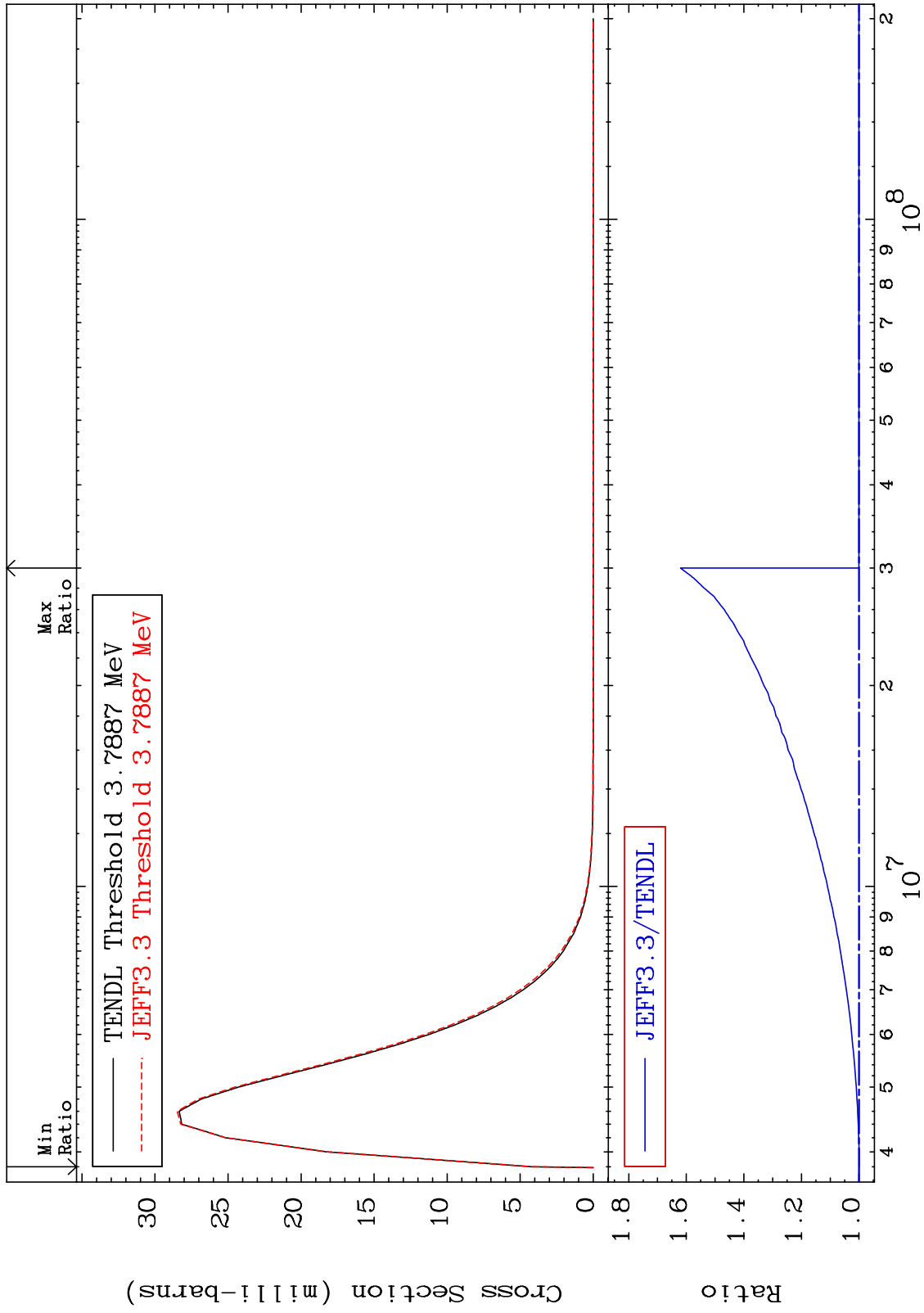
Incident Energy (eV)

30-Zn-66

MAT 3031

MT= 80 (n,n') Level
Cross Section

30-Zn-66
-0.055 To 61.97 %



48

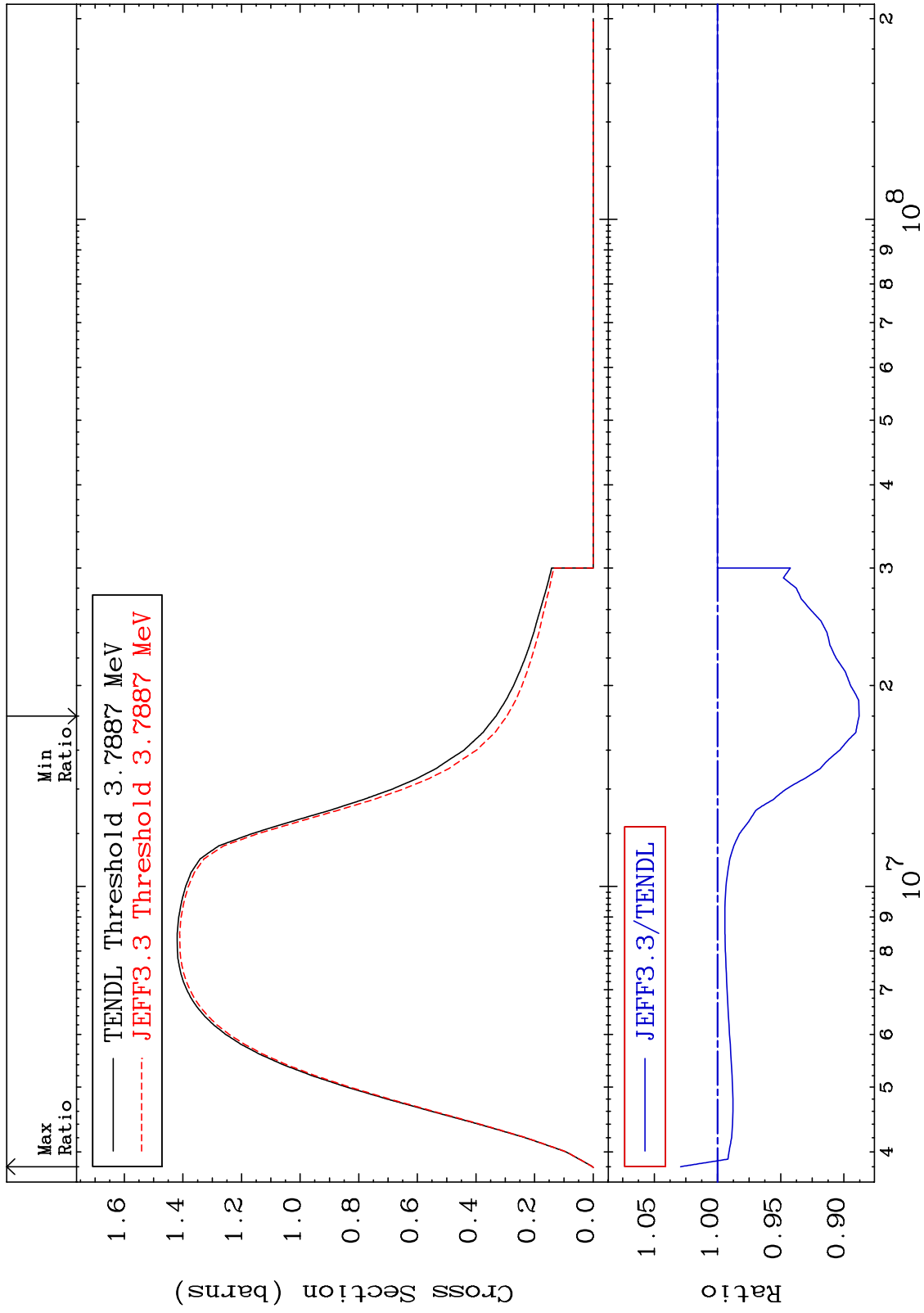
Incident Energy (eV)

30-Zn-66

MAT 3031

(n, n') Continuum
Cross Section

30-Zn-66
-11.21 To 2.916 %



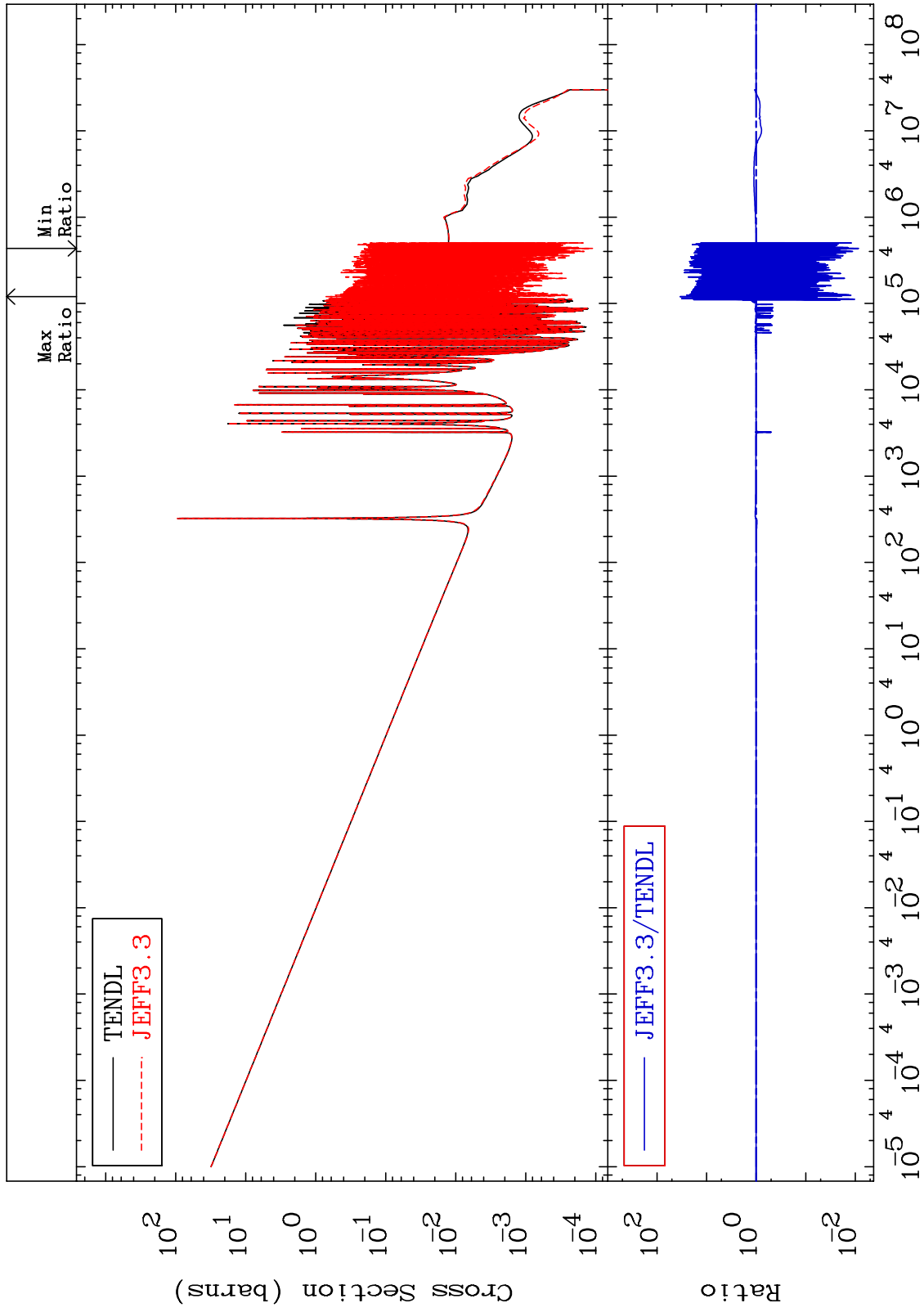
MAT 3031

(n, γ)

30-Zn-66

Cross Section

-99.14 To 3334. %



50

Incident Energy (eV)

30-Zn-66

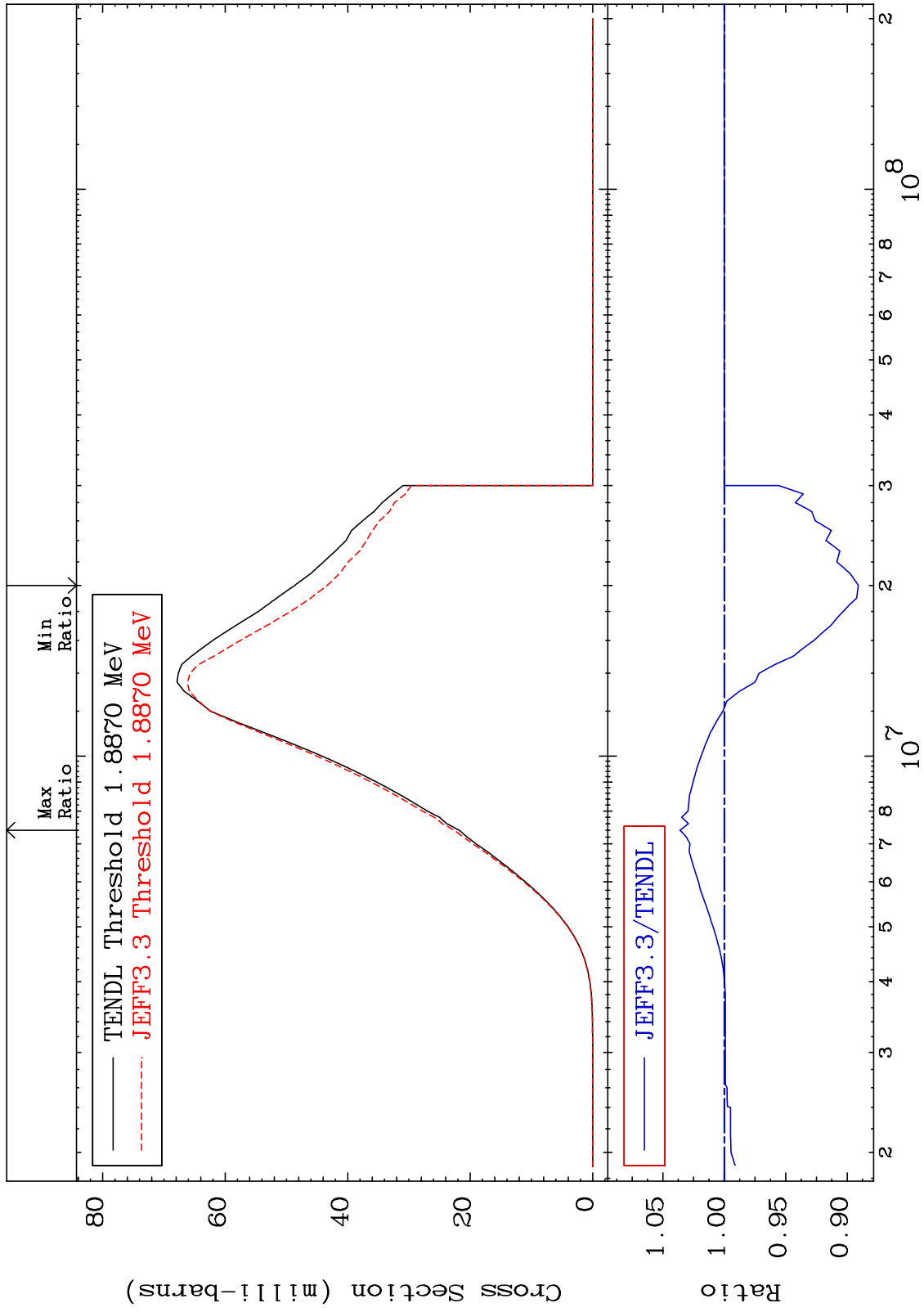
MAT 3031

(n,p)

30-Zn-66

Cross Section

-10.91 To 3.602 %



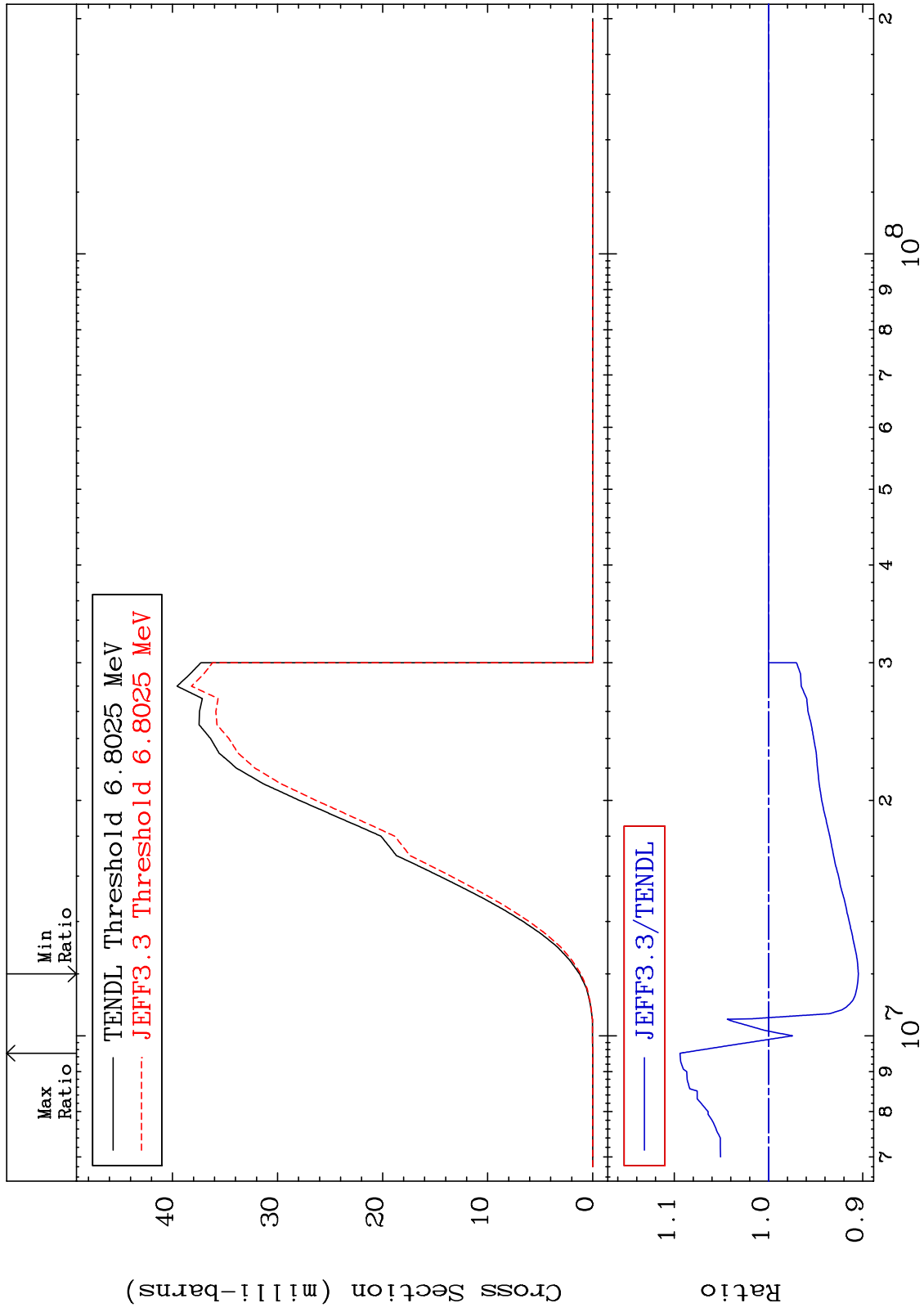
MAT 3031

(n, d)

30-Zn-66

Cross Section

-9.543 To 9.400 %



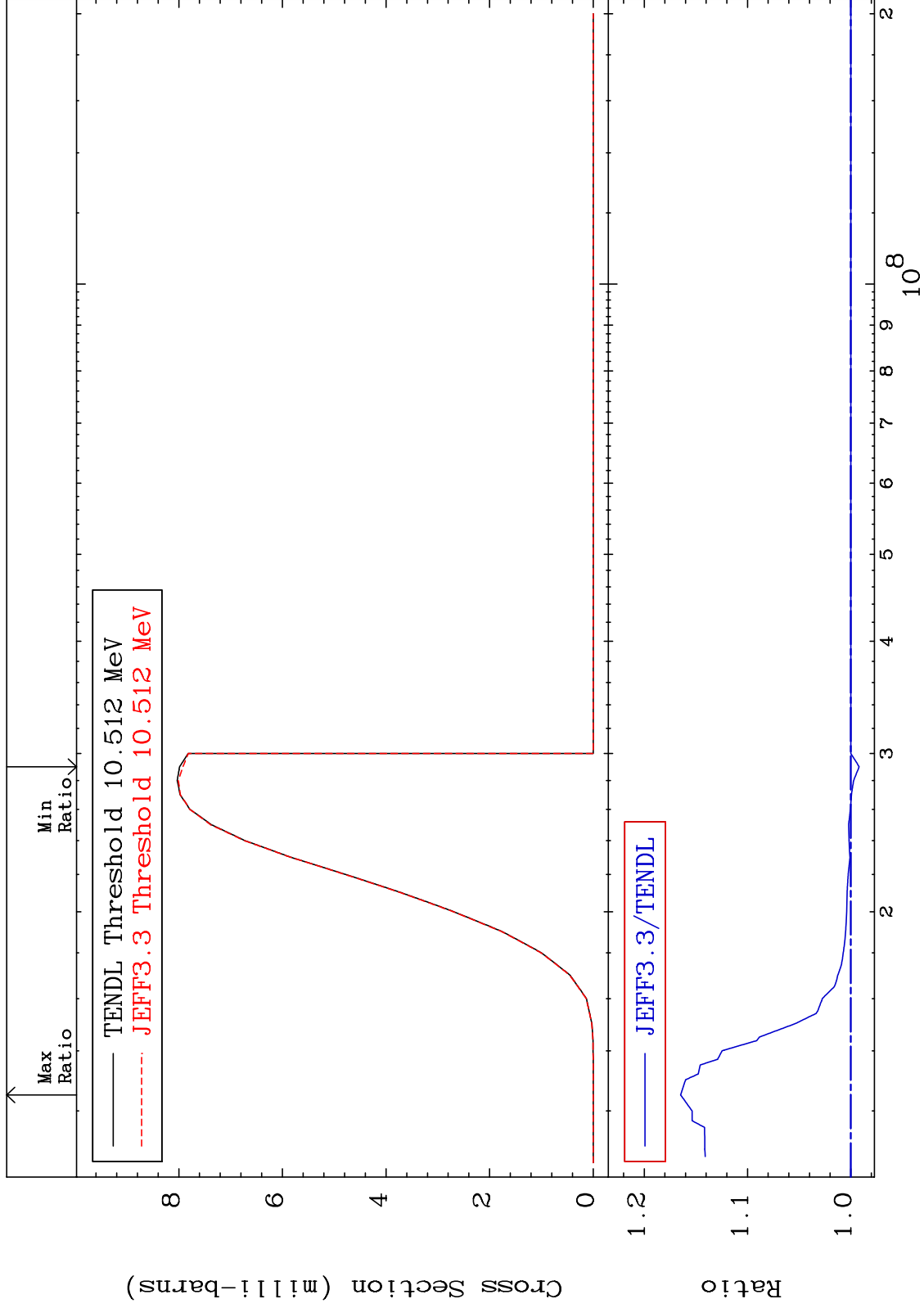
MAT 3031

(n, t)

30-Zn-66

Cross Section

-0.812 To 16.48 %



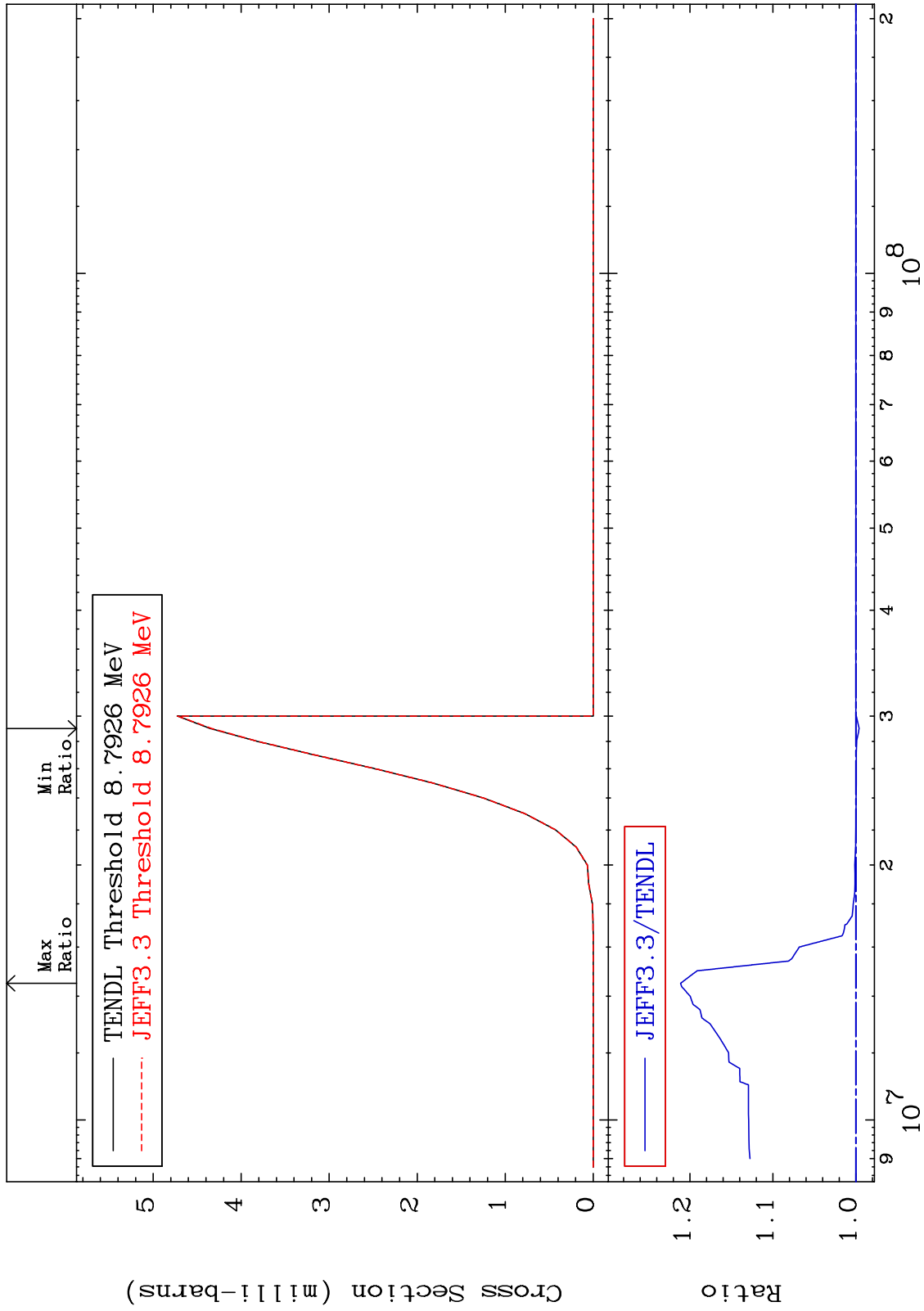
MAT 3031

(n, He-3)

30-Zn-66

Cross Section

-0.400 To 21.12 %



54

Incident Energy (eV)

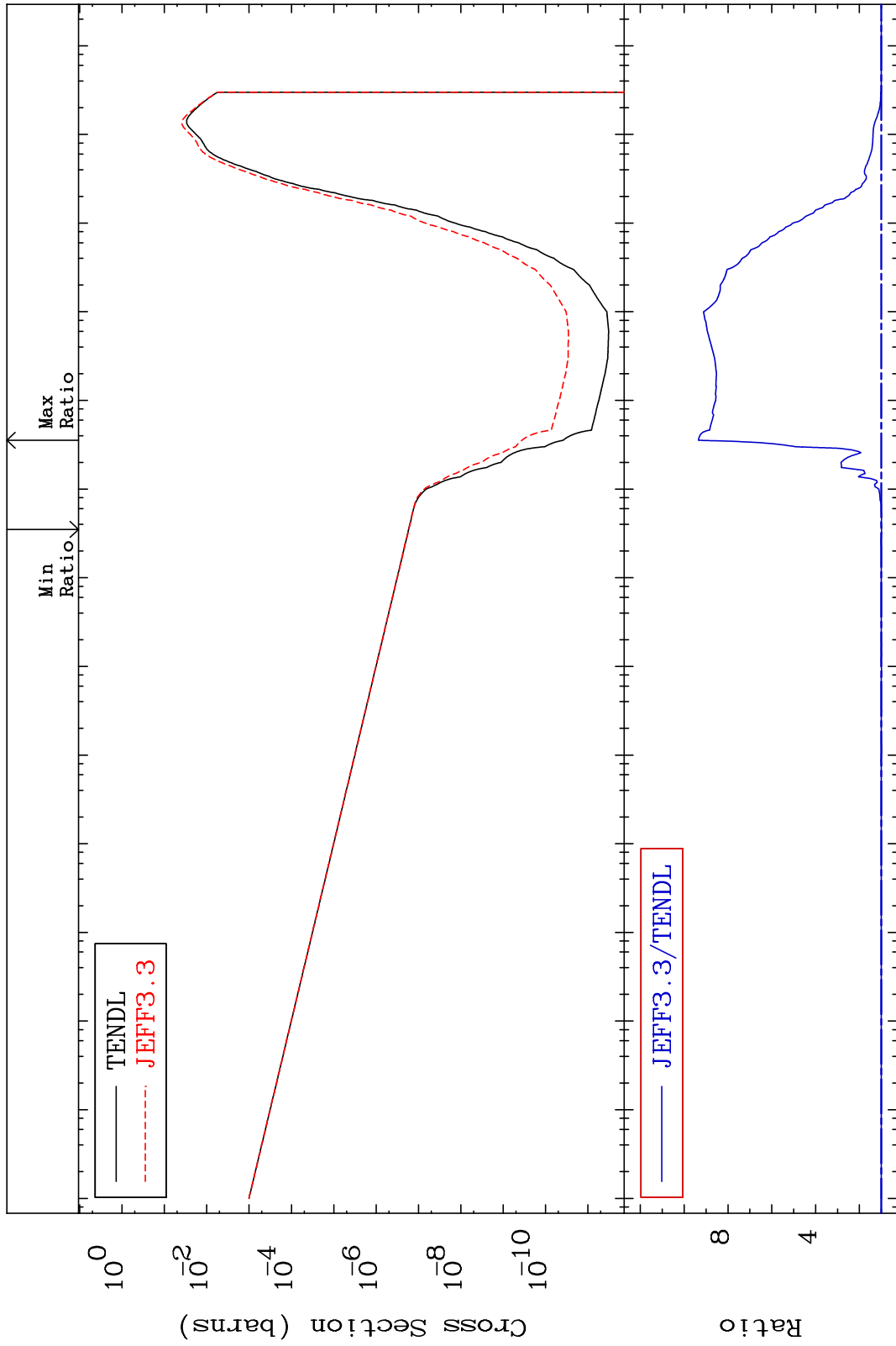
30-Zn-66

MAT 3031

30-Zn-66

(n, α)

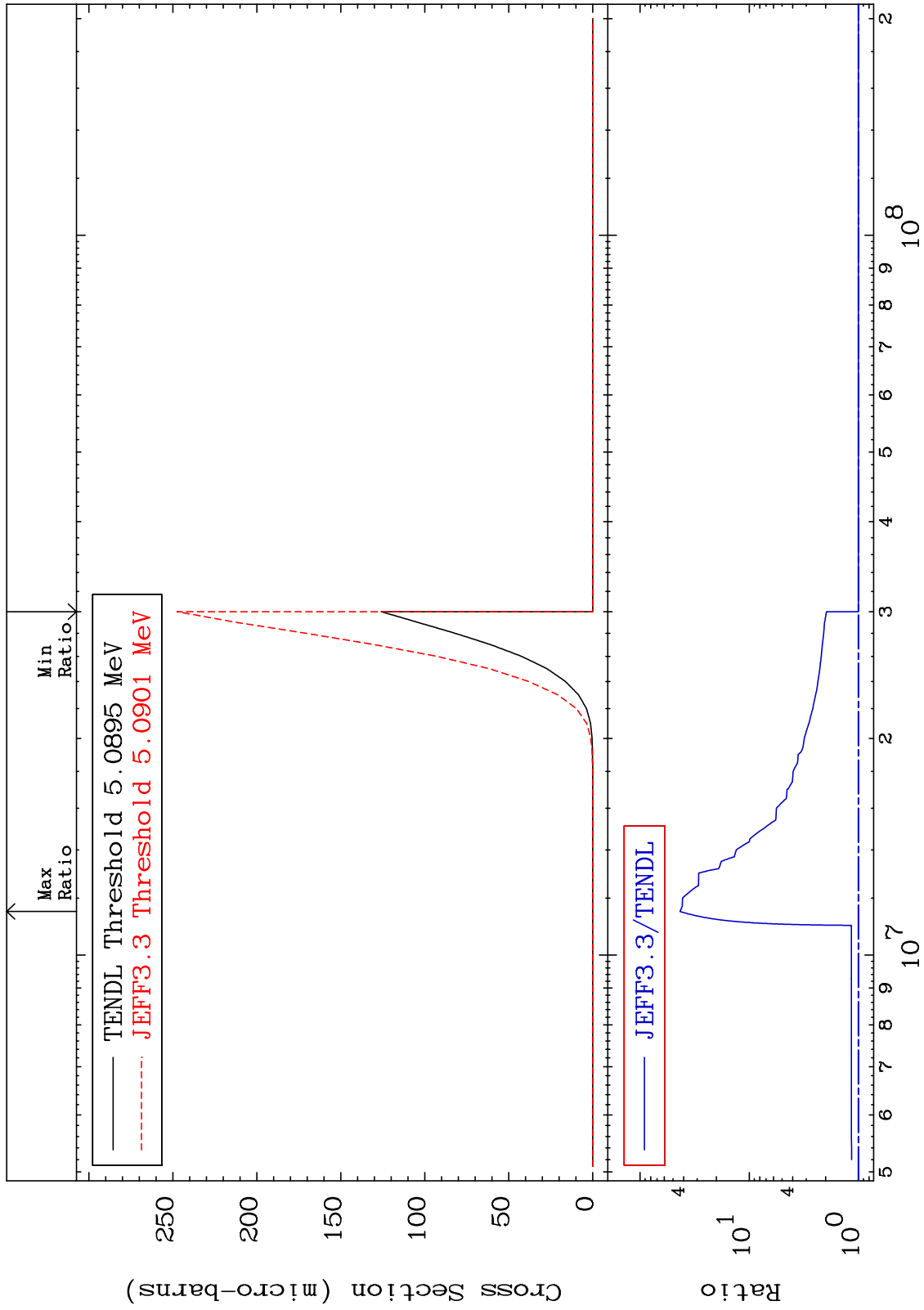
Cross Section -1.020 To 835.2 %



Incident Energy (eV) 30-Zn-66

MAT 3031

(n, 2α) Cross Section
30-Zn-66 To 4210. %
0.000



56

Incident Energy (eV)

30-Zn-66

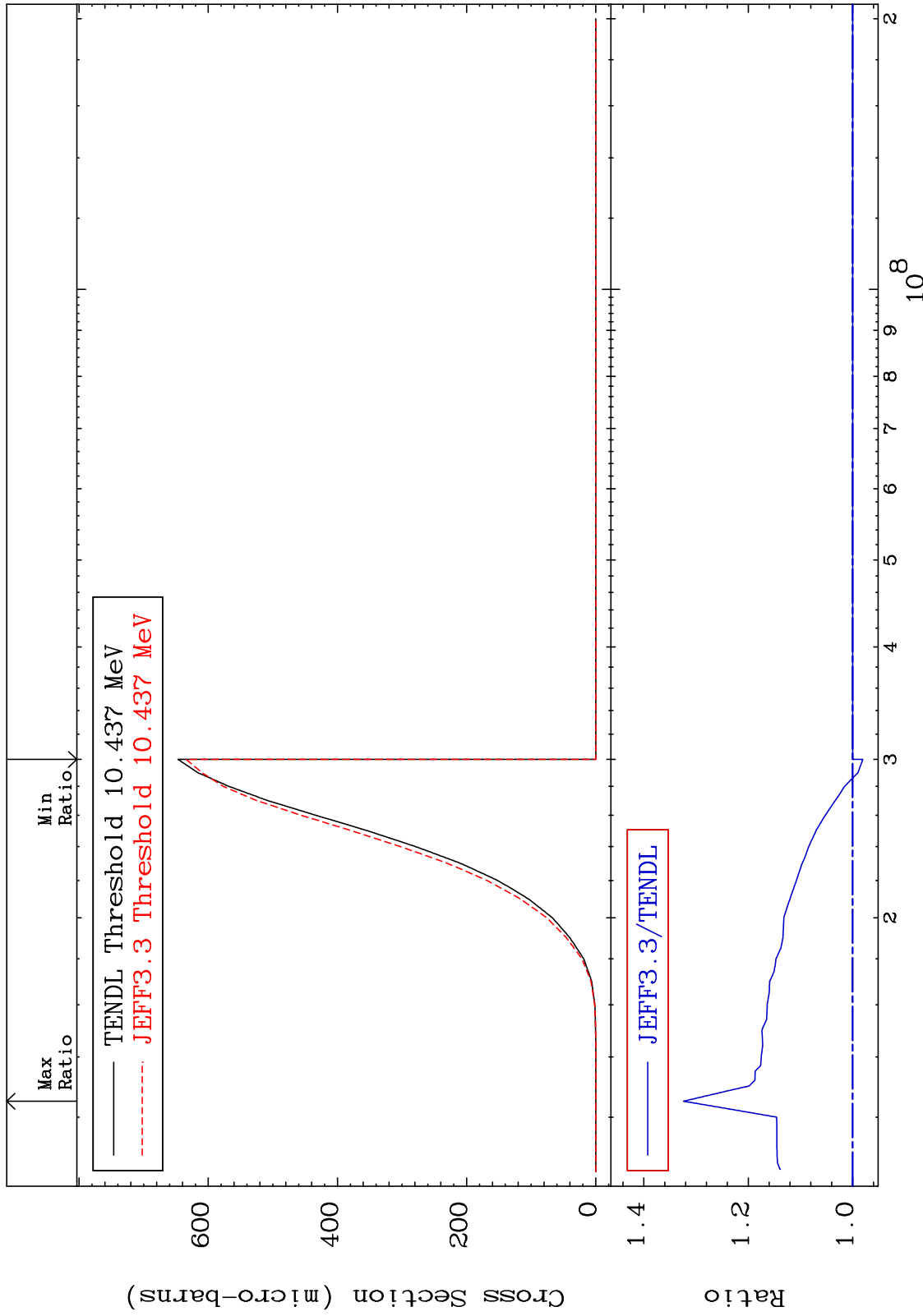
MAT 3031

(n,2p)

30-Zn-66

Cross Section

-1.955 To 32.40 %



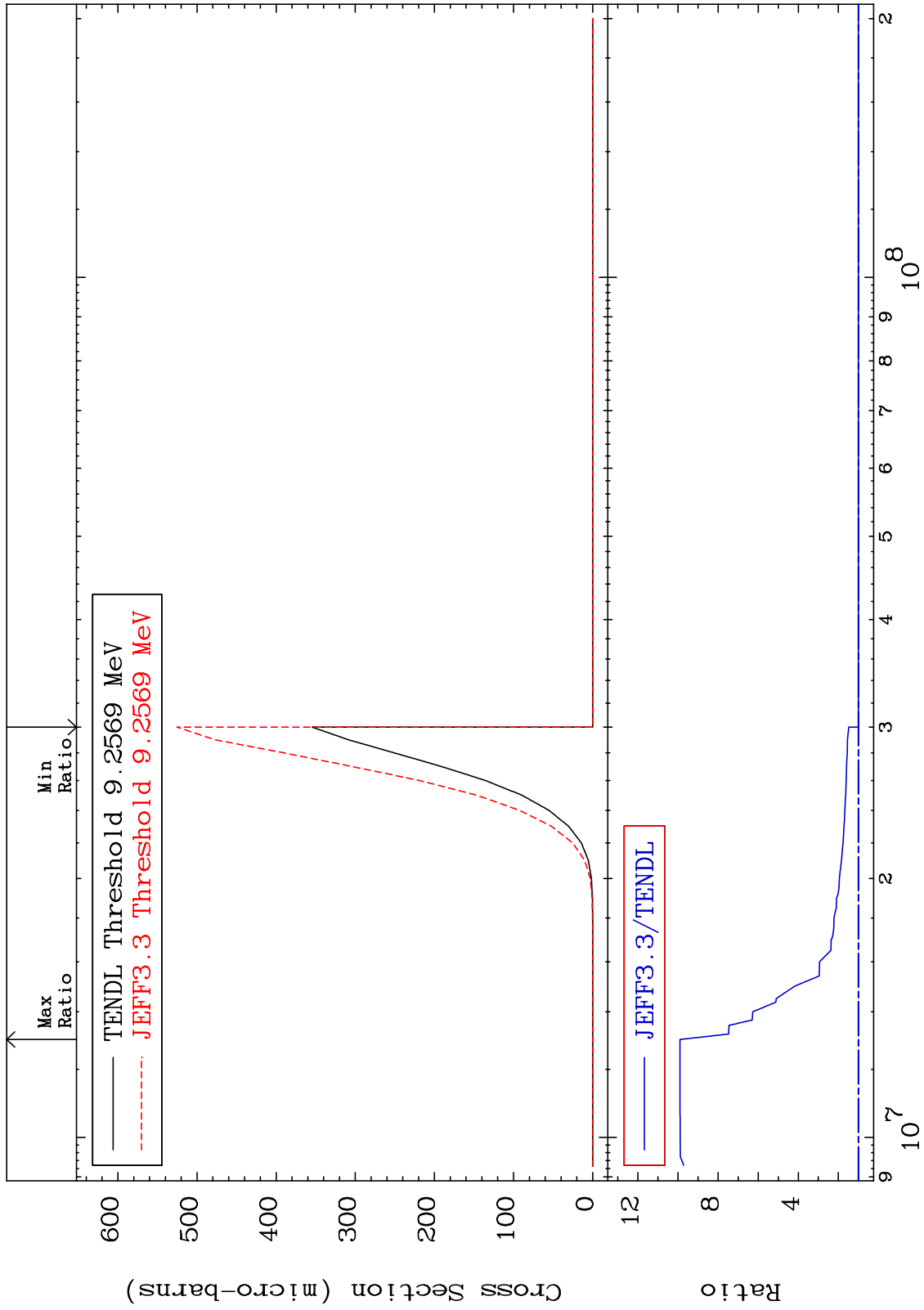
MAT 3031

(n,p) α

30-Zn-66

Cross Section

0.000 To 890.0 %



58

Incident Energy (eV)

30-Zn-66

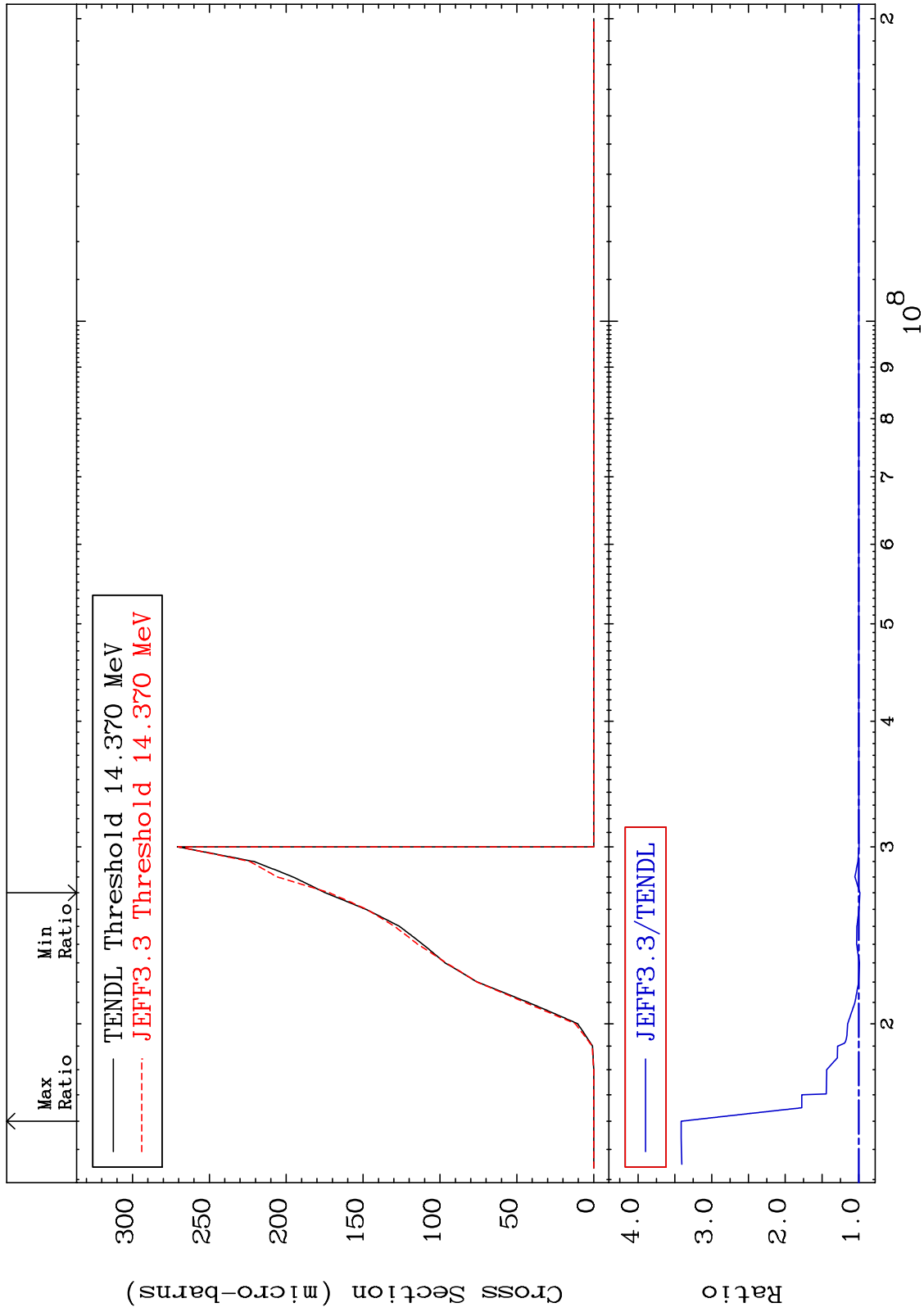
MAT 3031

(n,p) d

30-Zn-66

Cross Section

-1.571 To 241.4 %



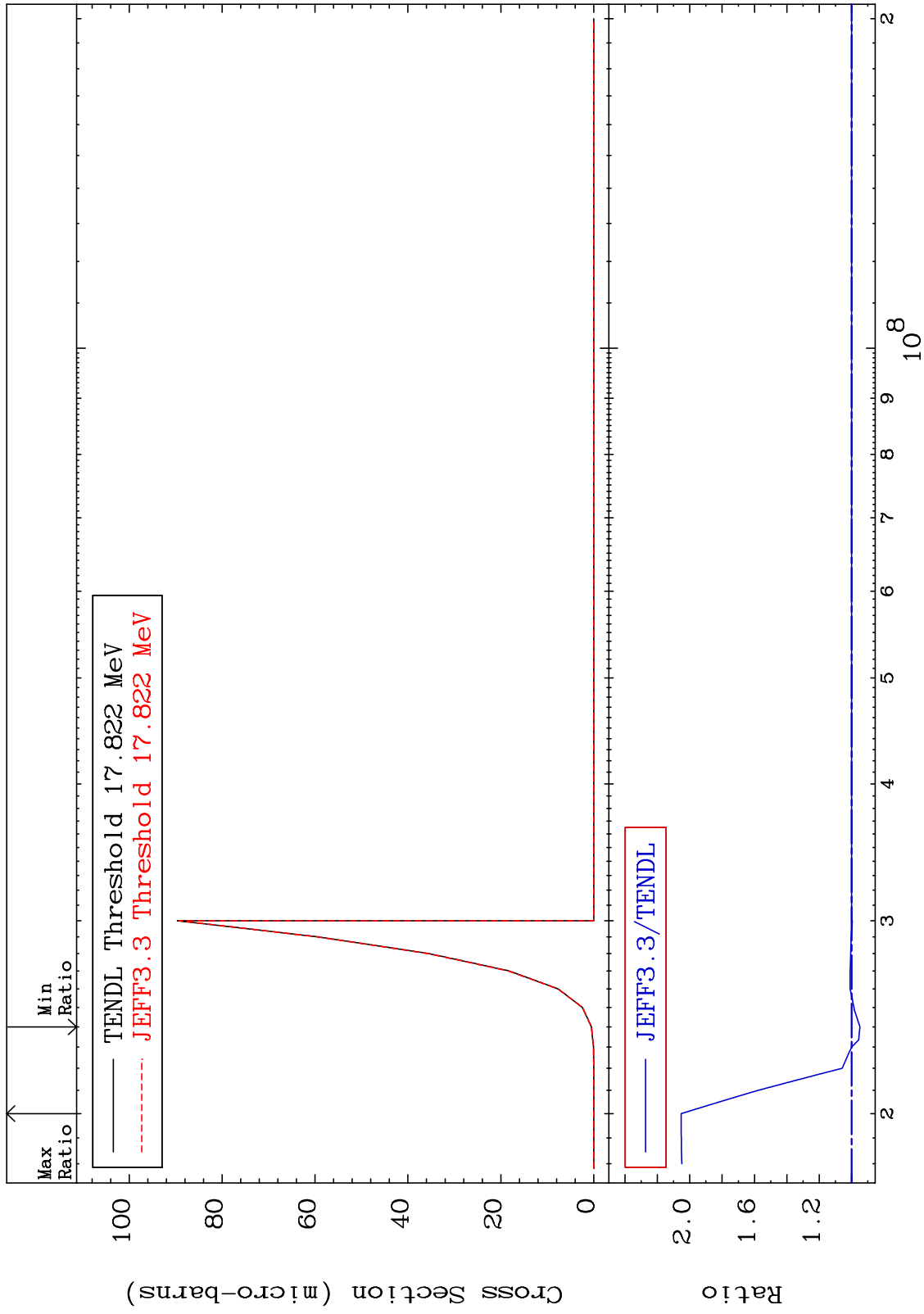
MAT 3031

(n,p) t

30-Zn-66

Cross Section

-5.114 To 105.3 %



60

Incident Energy (eV)

30-Zn-66

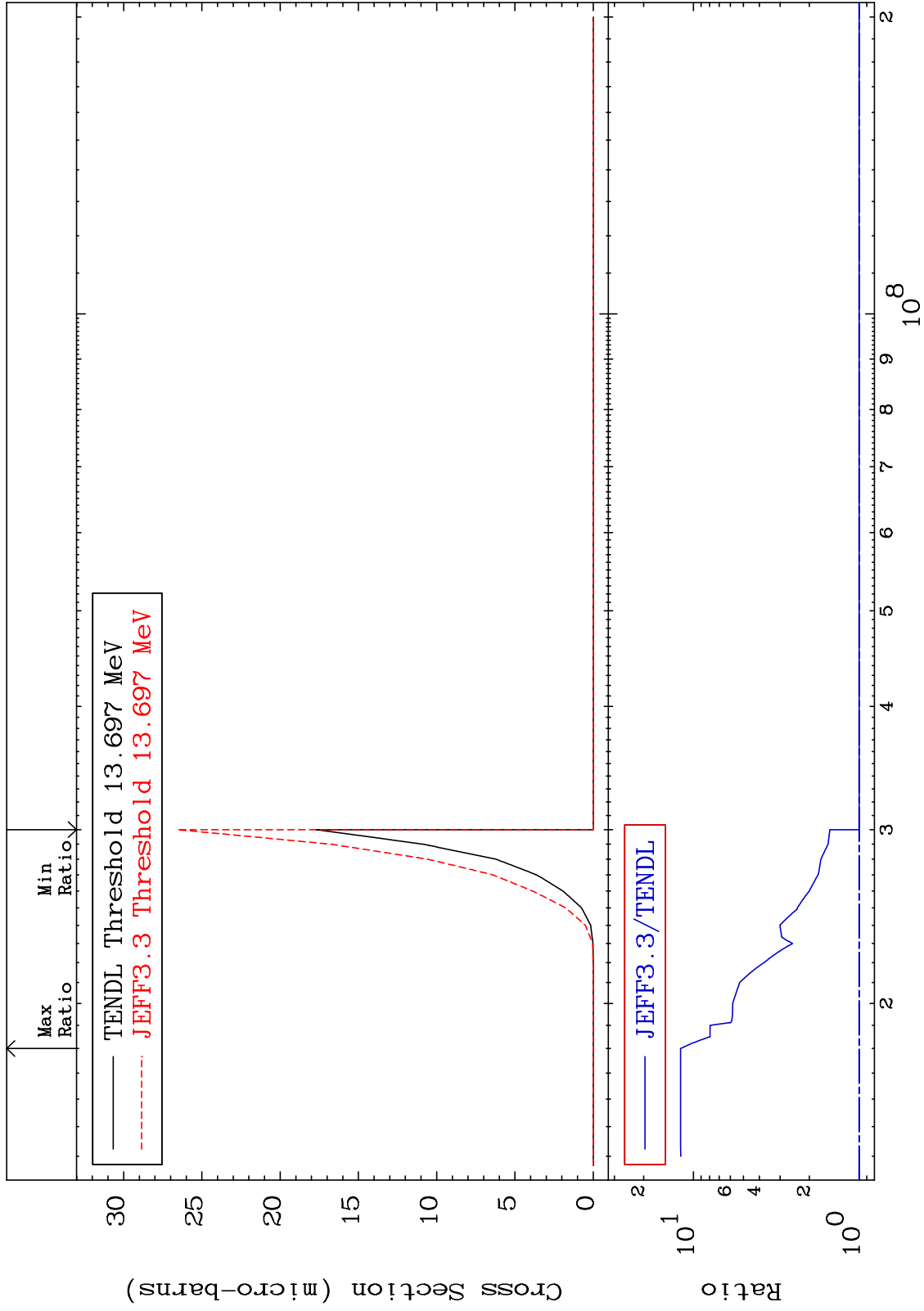
MAT 3031

(n,d) α

30-Zn-66

Cross Section

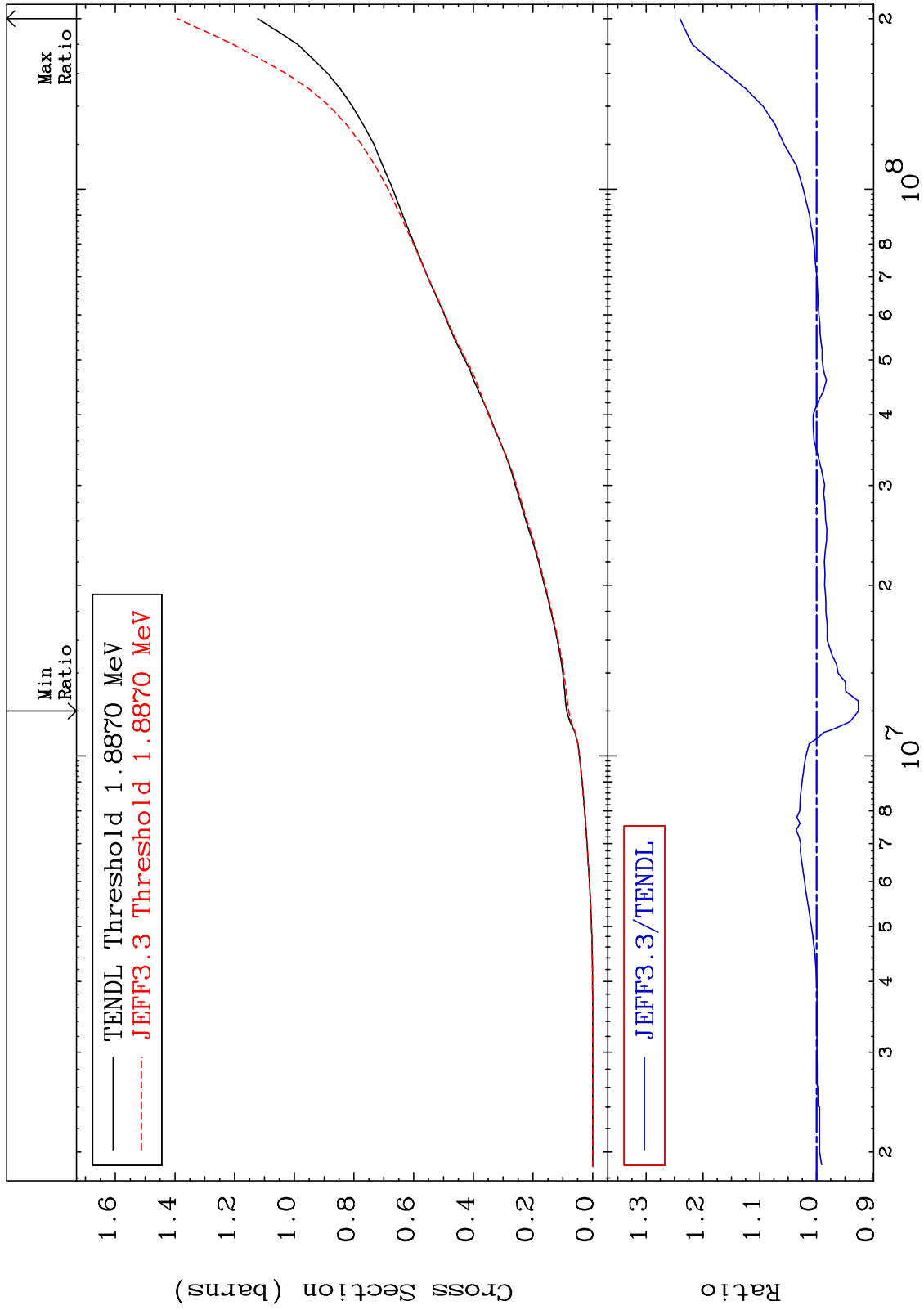
0.000 To 1096. %



MAT 3031

Hydrogen Production
Cross Section

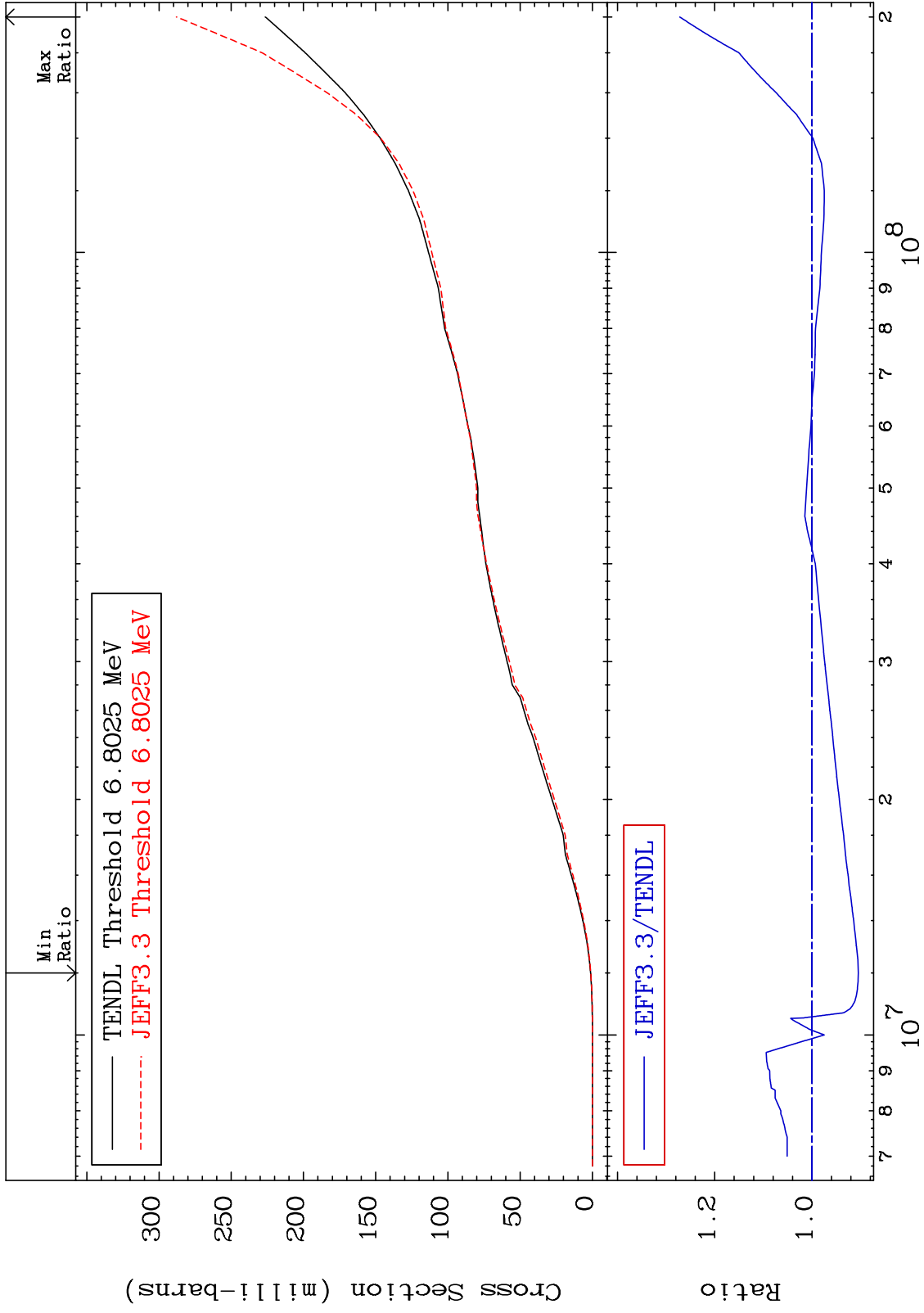
30-Zn-66
-7.367 To 24.04 %



MAT 3031

Deuterium Production
Cross Section

30-Zn-66
-9.543 To 27.19 %



63

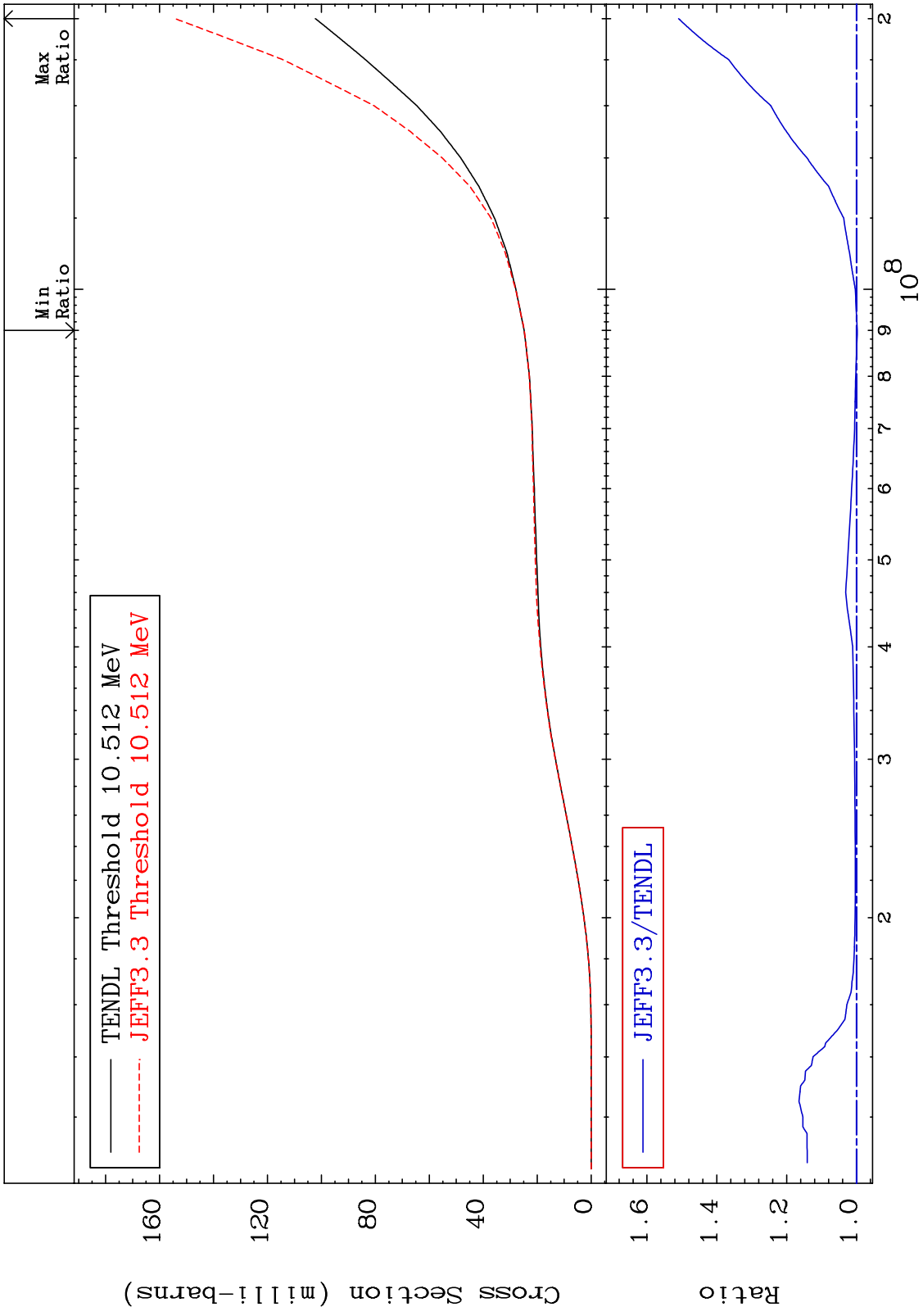
Incident Energy (eV)

30-Zn-66

MAT 3031

Tritium Production
Cross Section

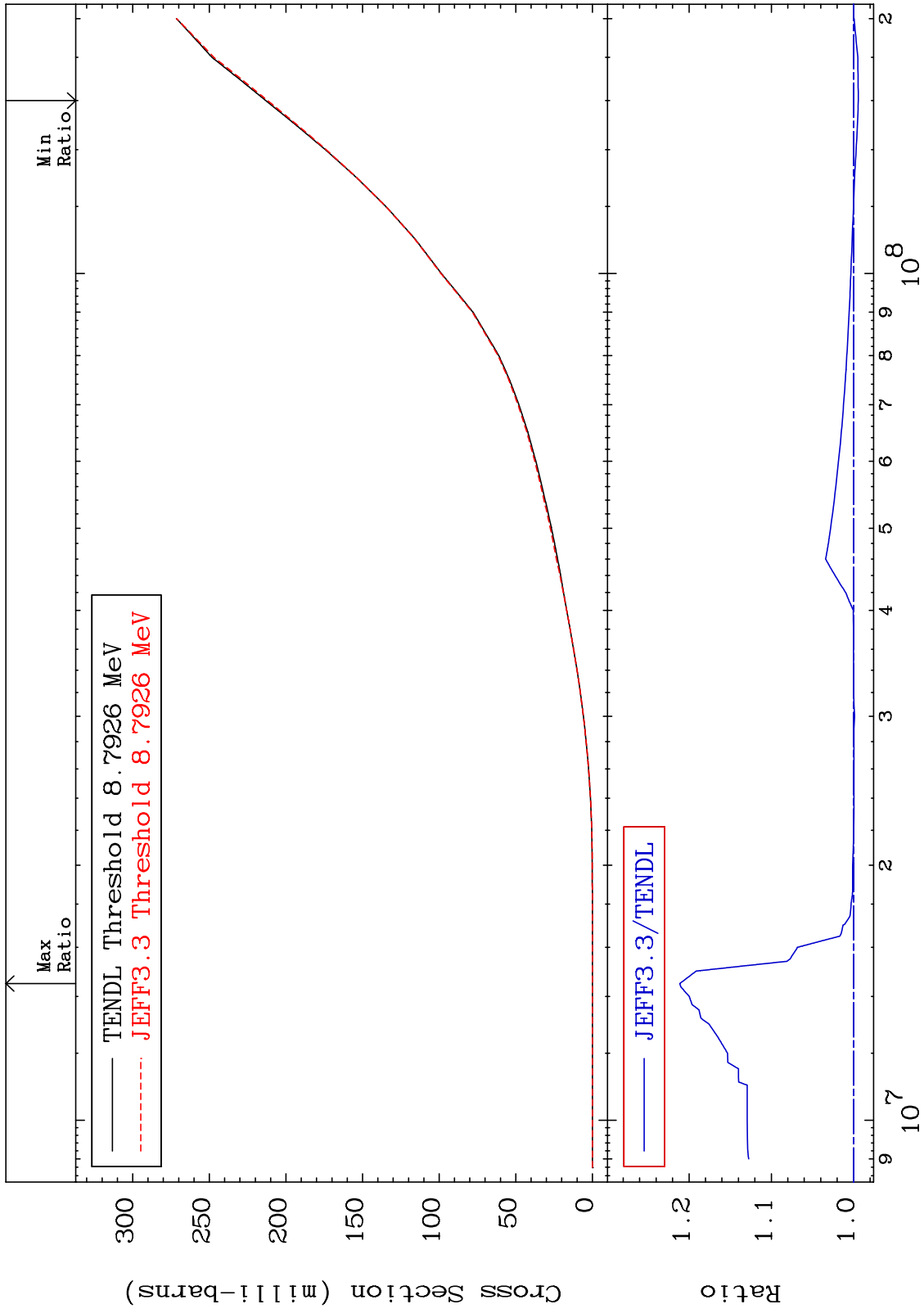
30-Zn-66
-0.231 To 50.94 %



MAT 3031

He-3 Production
Cross Section

30-Zn-66
-0.571 To 21.12 %



65

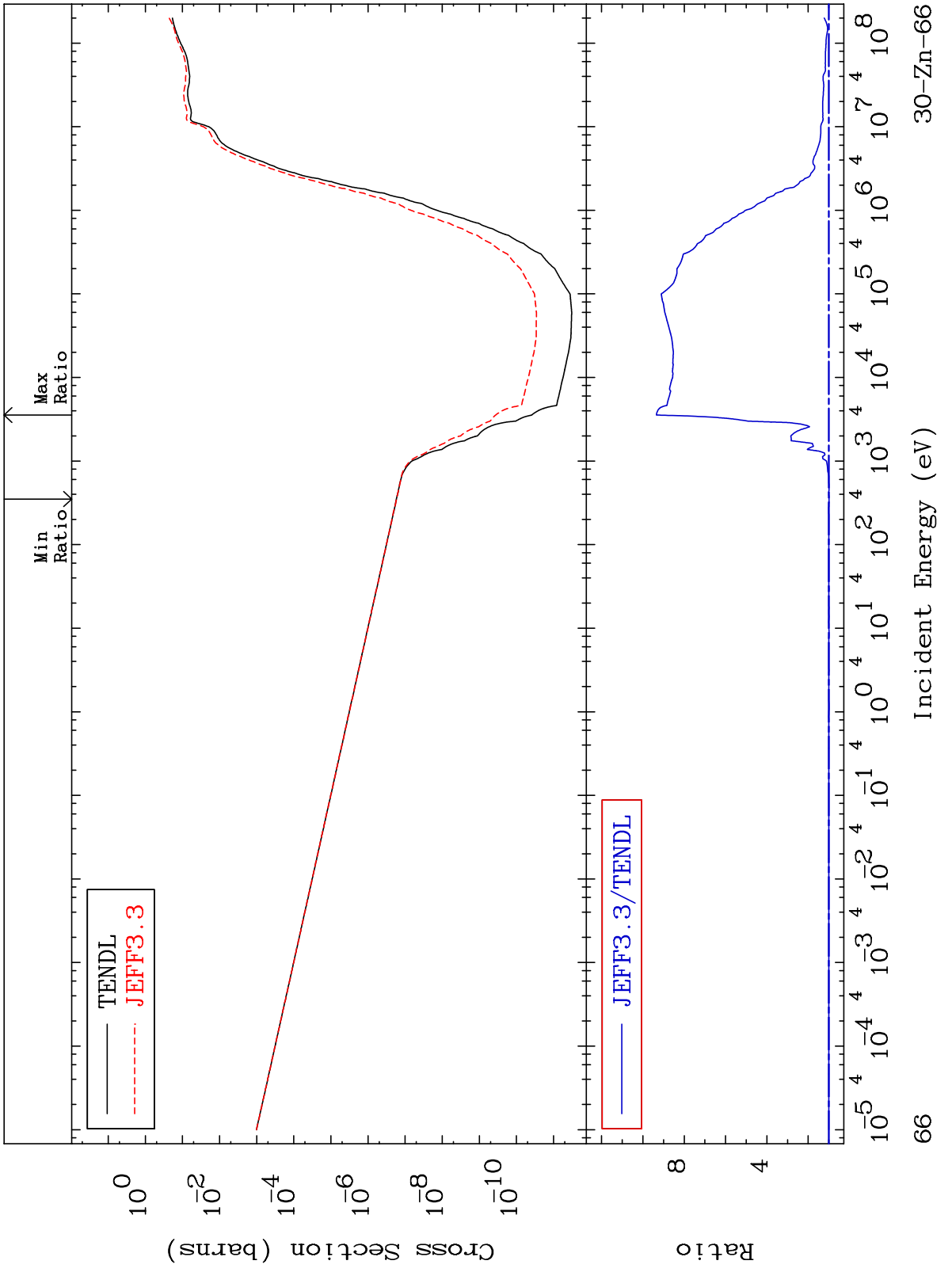
Incident Energy (eV)

30-Zn-66

MAT 3031

He-4 Production
Cross Section

30-Zn-66
-1.020 To 835.2 %



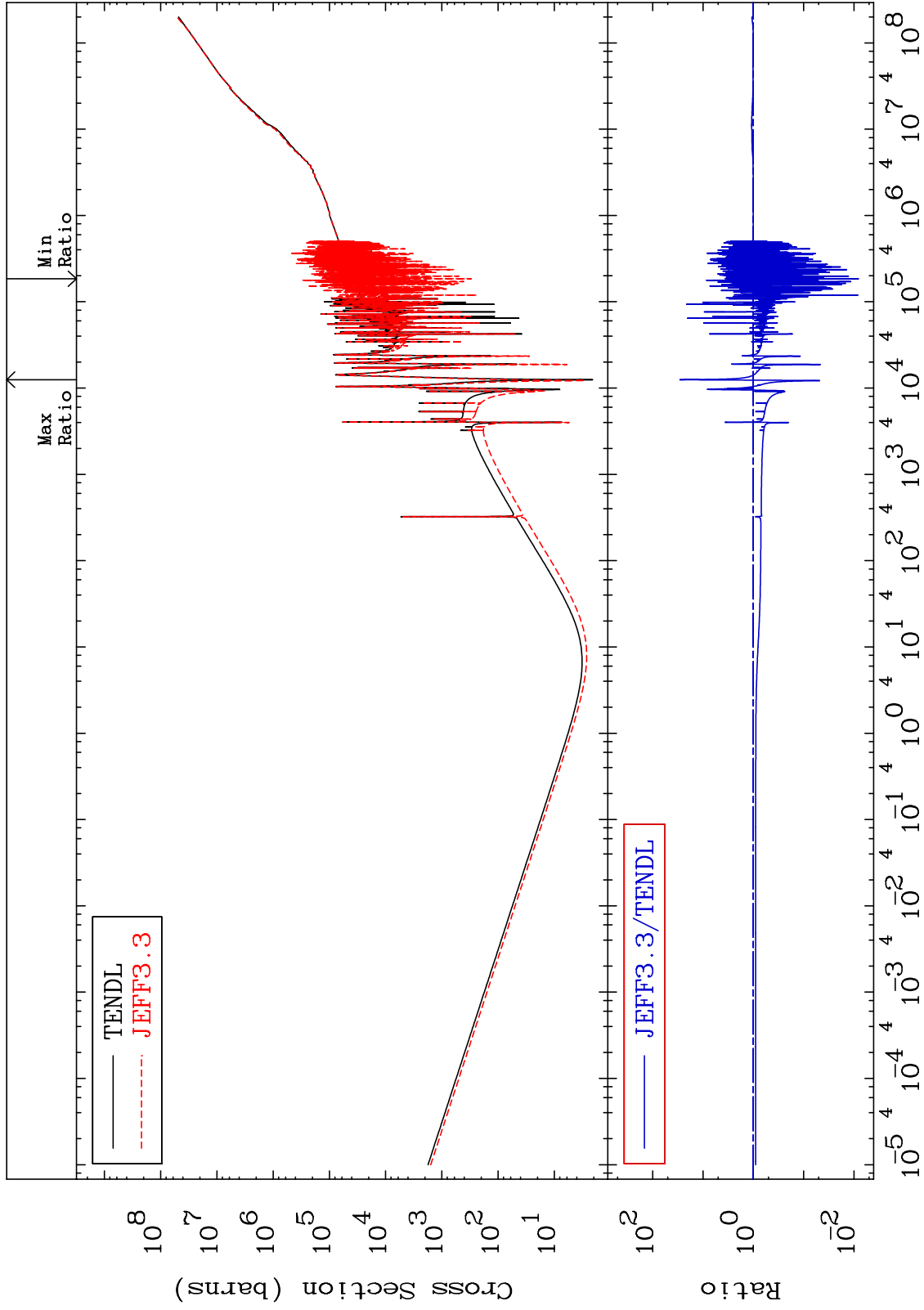
66

30-Zn-66

MAT 3031

Kerma total (eV-barns)
Cross Section

30-Zn-66
-99.19 To 2763. %



67

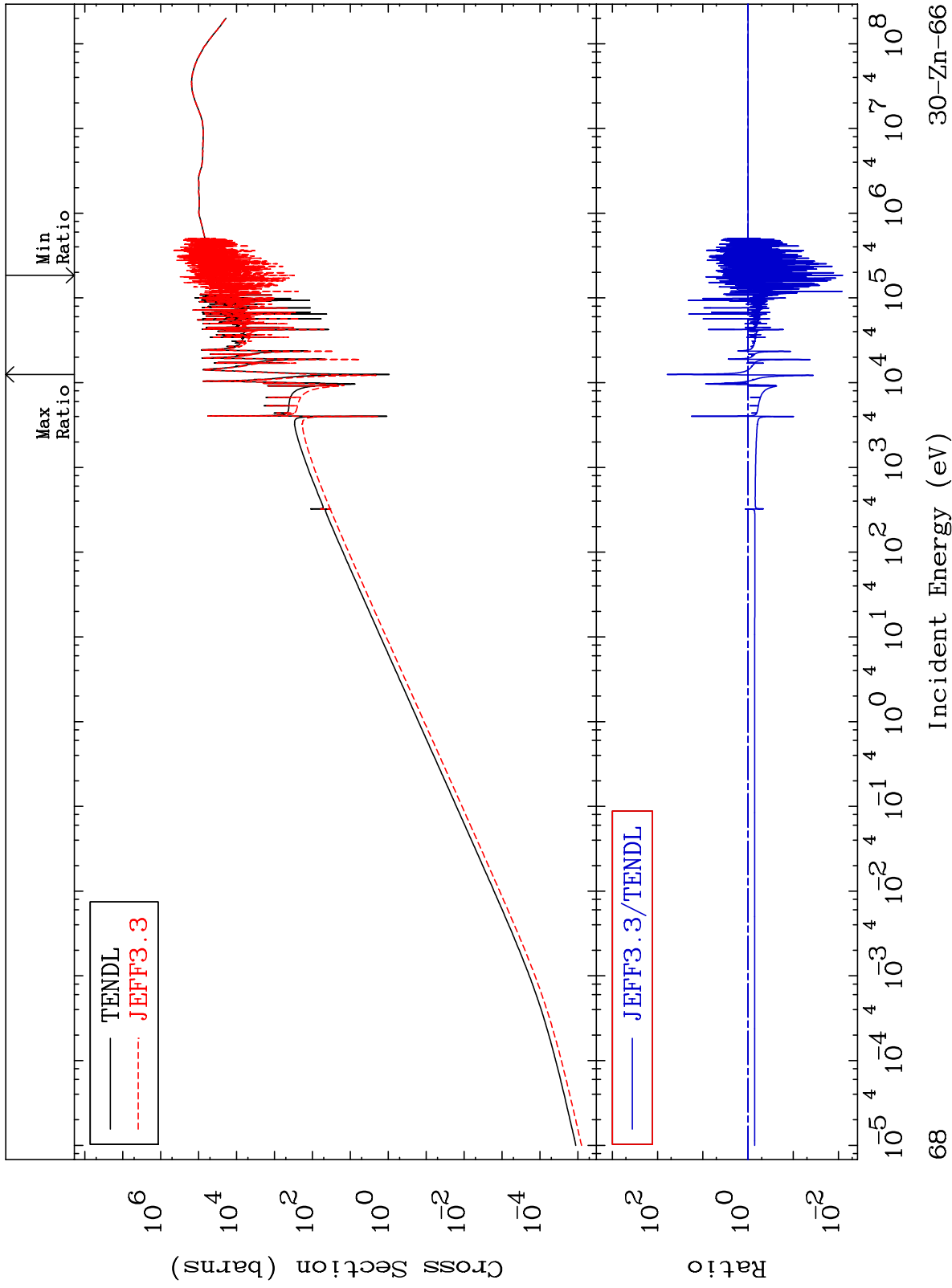
Incident Energy (eV)

30-Zn-66

MAT 3031

Kerma elastic
Cross Section

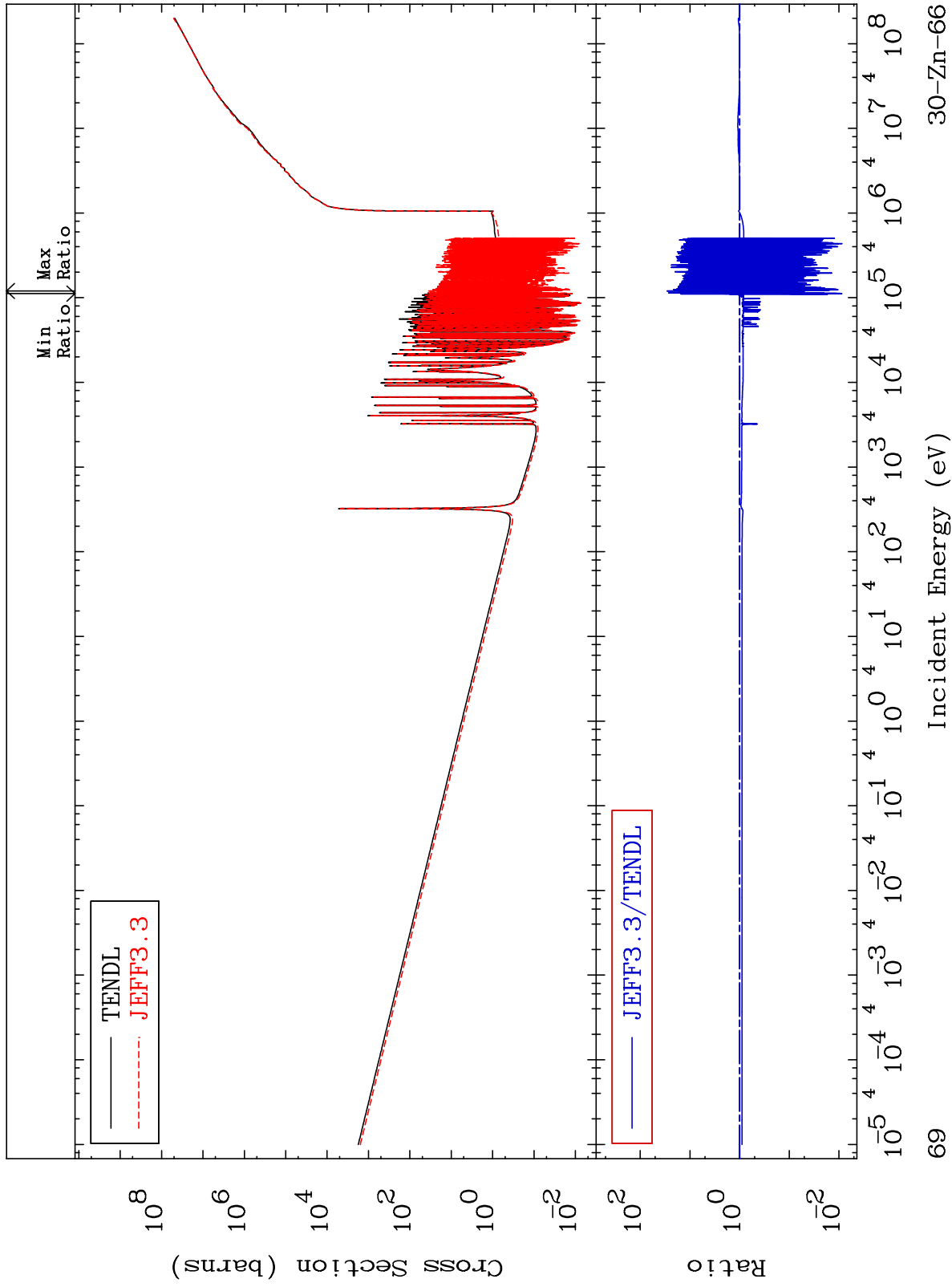
30-Zn-66
-99.19 To 5992. %



MAT 3031

Kerma non-elastic (all but mt2)
Cross Section

30-Zn-66
-99.13 To 2798. %



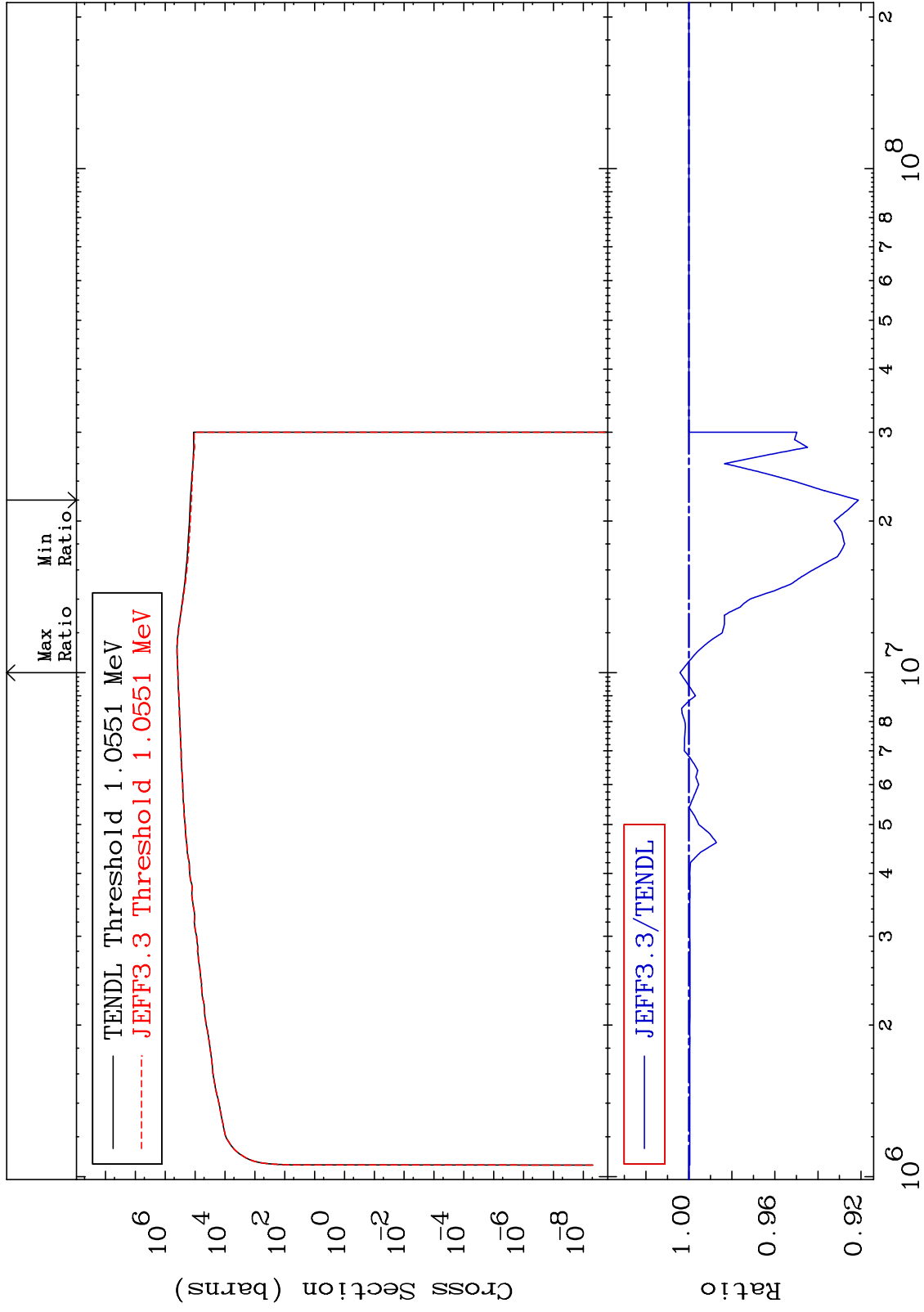
MAT 3031

Kerma inelastic (mt51-91)

30-Zn-66

-7.882 To 0.414 %

Cross Section



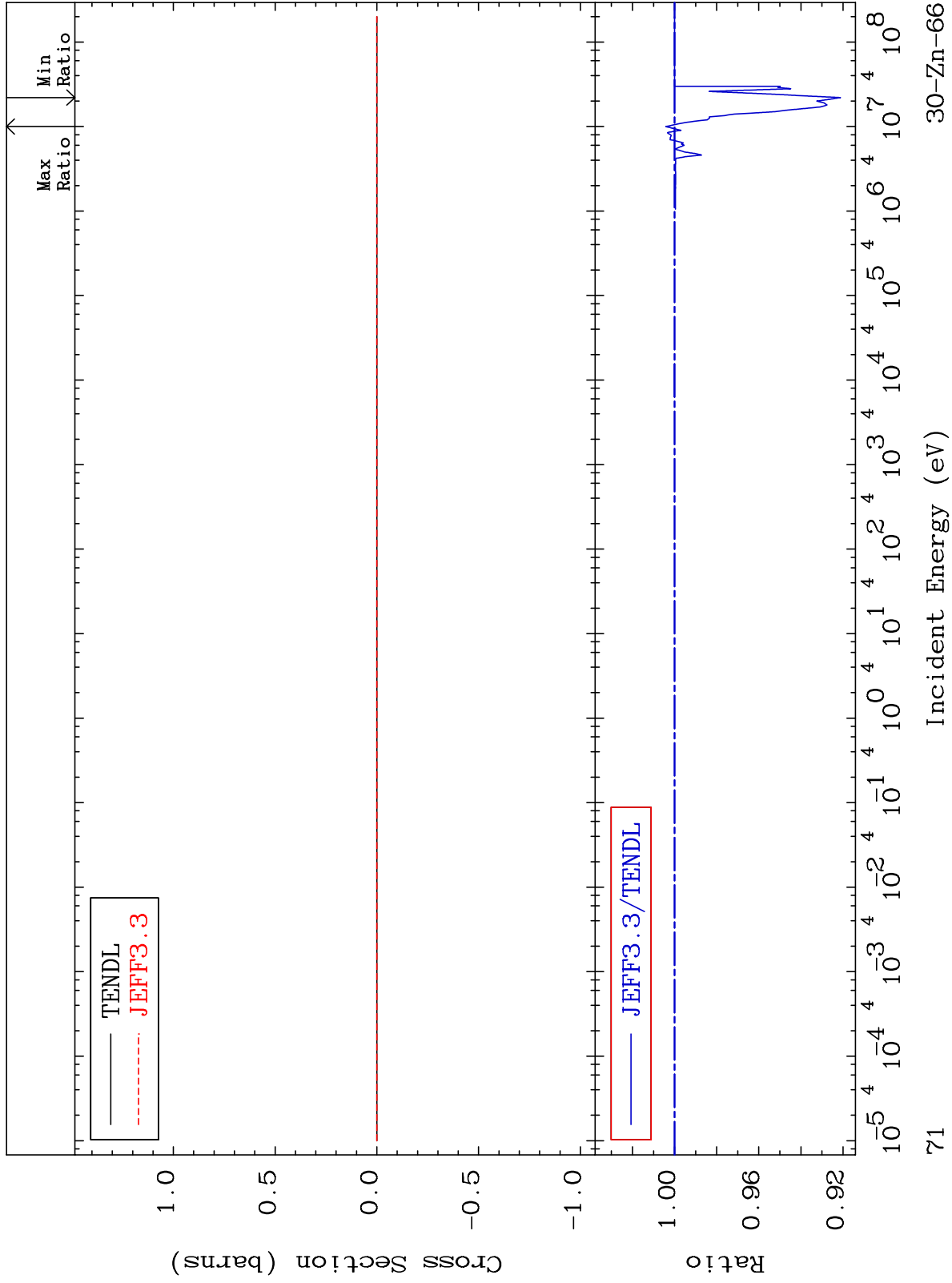
Incident Energy (eV)

30-Zn-66

MAT 3031

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

30-Zn-66
-7.882 To 0.414 %



71

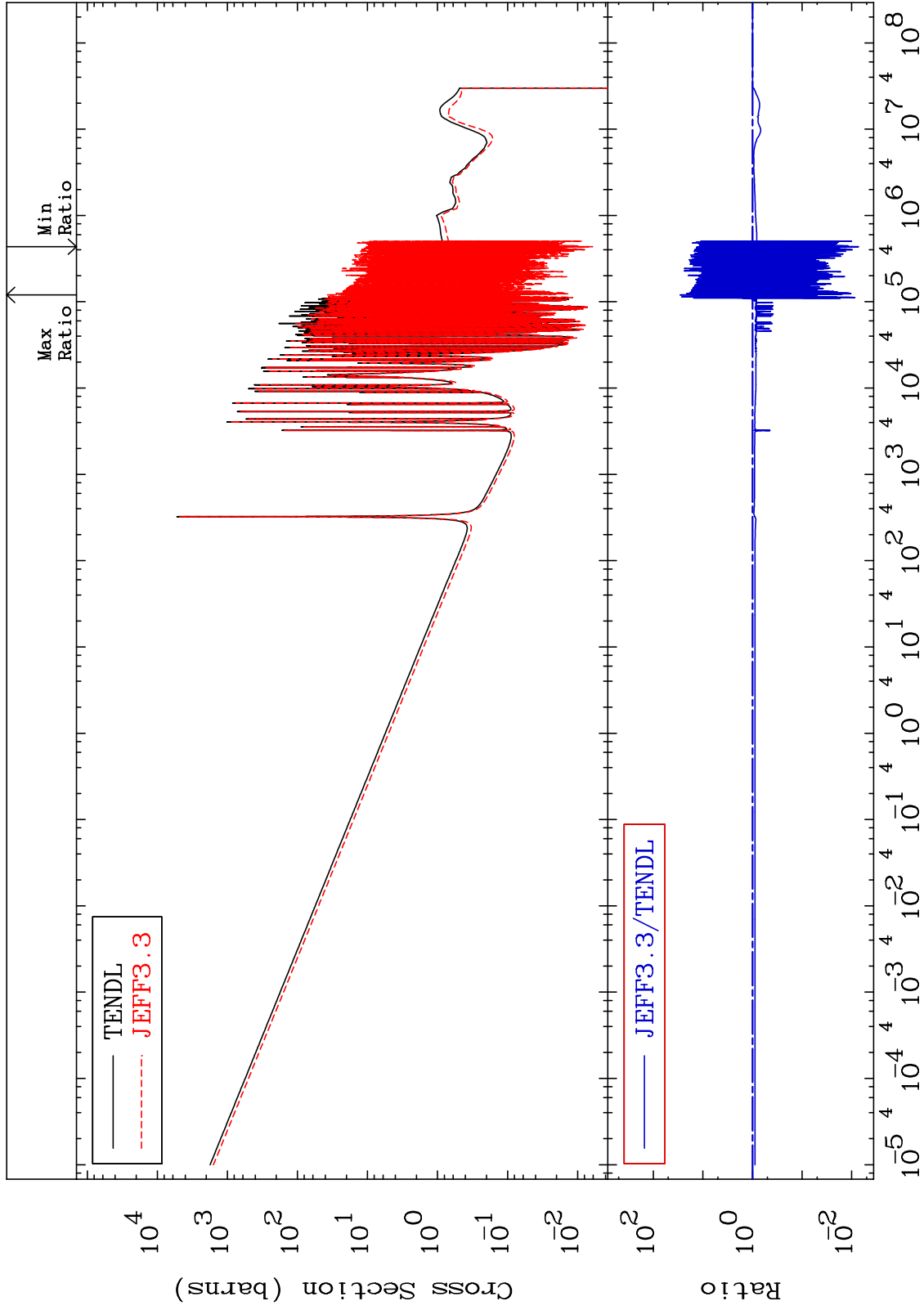
Incident Energy (eV)

30-Zn-66

MAT 3031

Kerma capture (mt102)
Cross Section

30-Zn-66
-99.27 To 2798. %



72

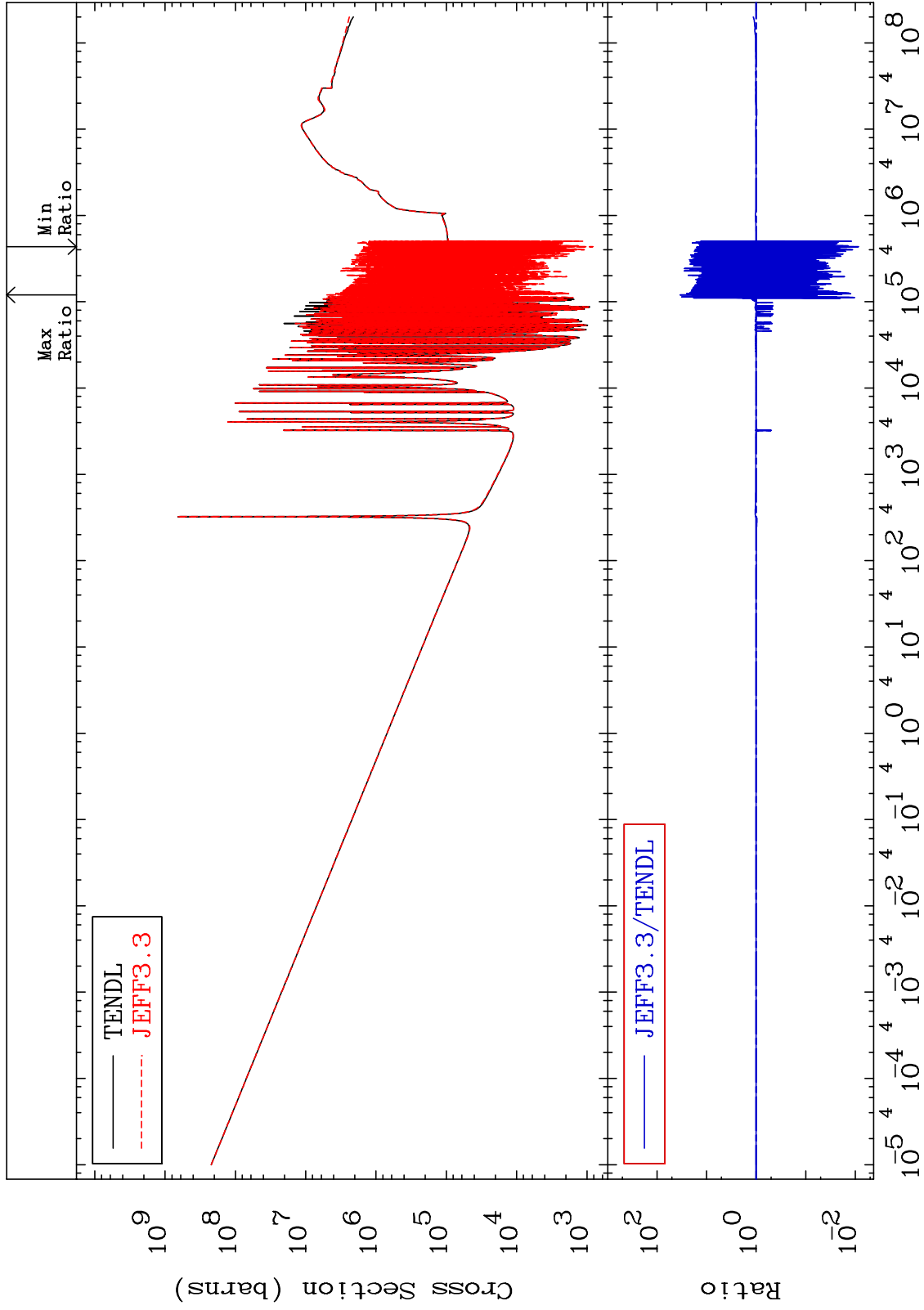
Incident Energy (eV)

30-Zn-66

MAT 3031

Total photon (eV-barns)
Cross Section

30-Zn-66
-99.14 To 3334. %



73

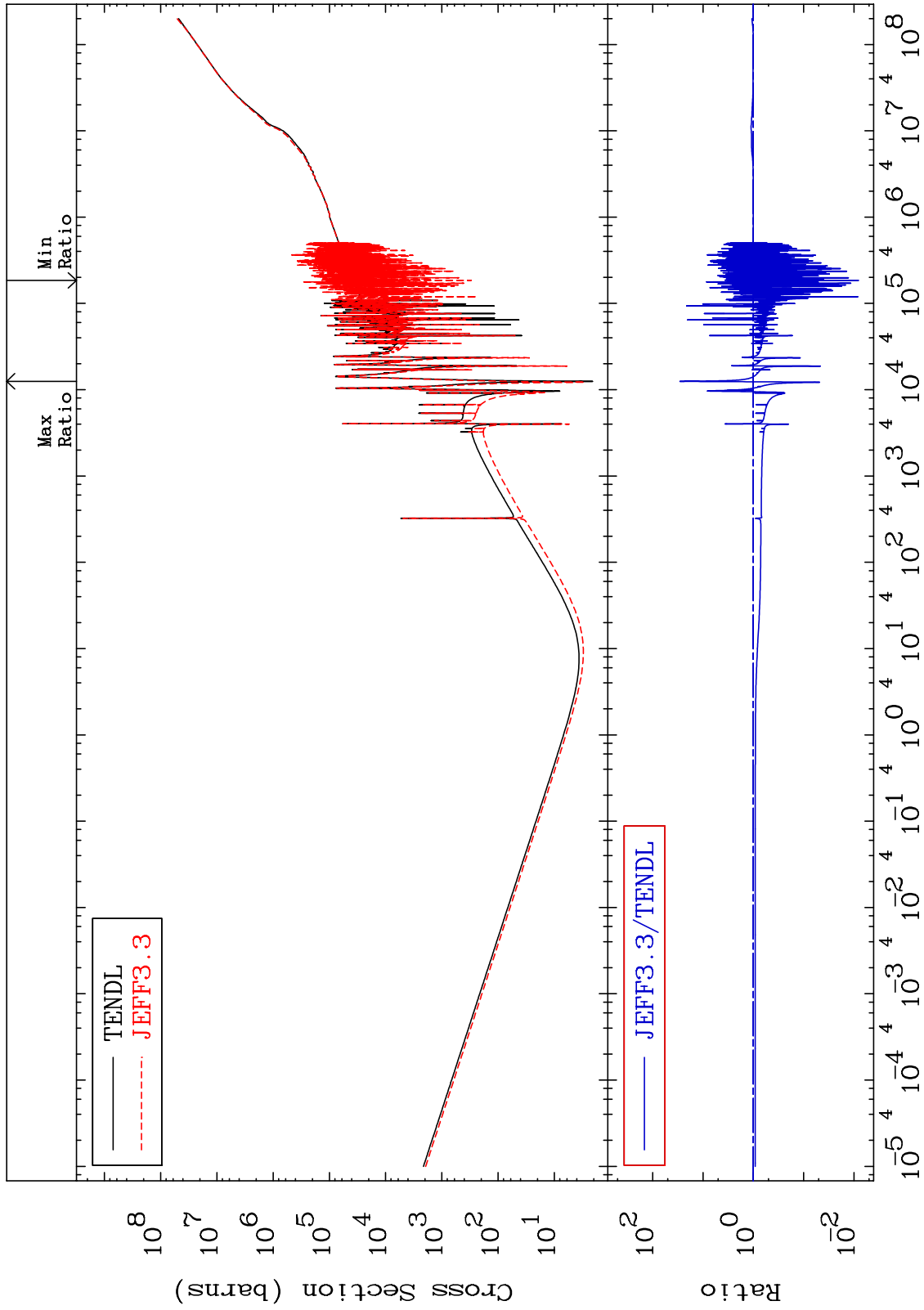
Incident Energy (eV)

30-Zn-66

MAT 3031

Total kinematic kerma (high limit)
Cross Section

30-Zn-66
-99.19 To 2763. %



74

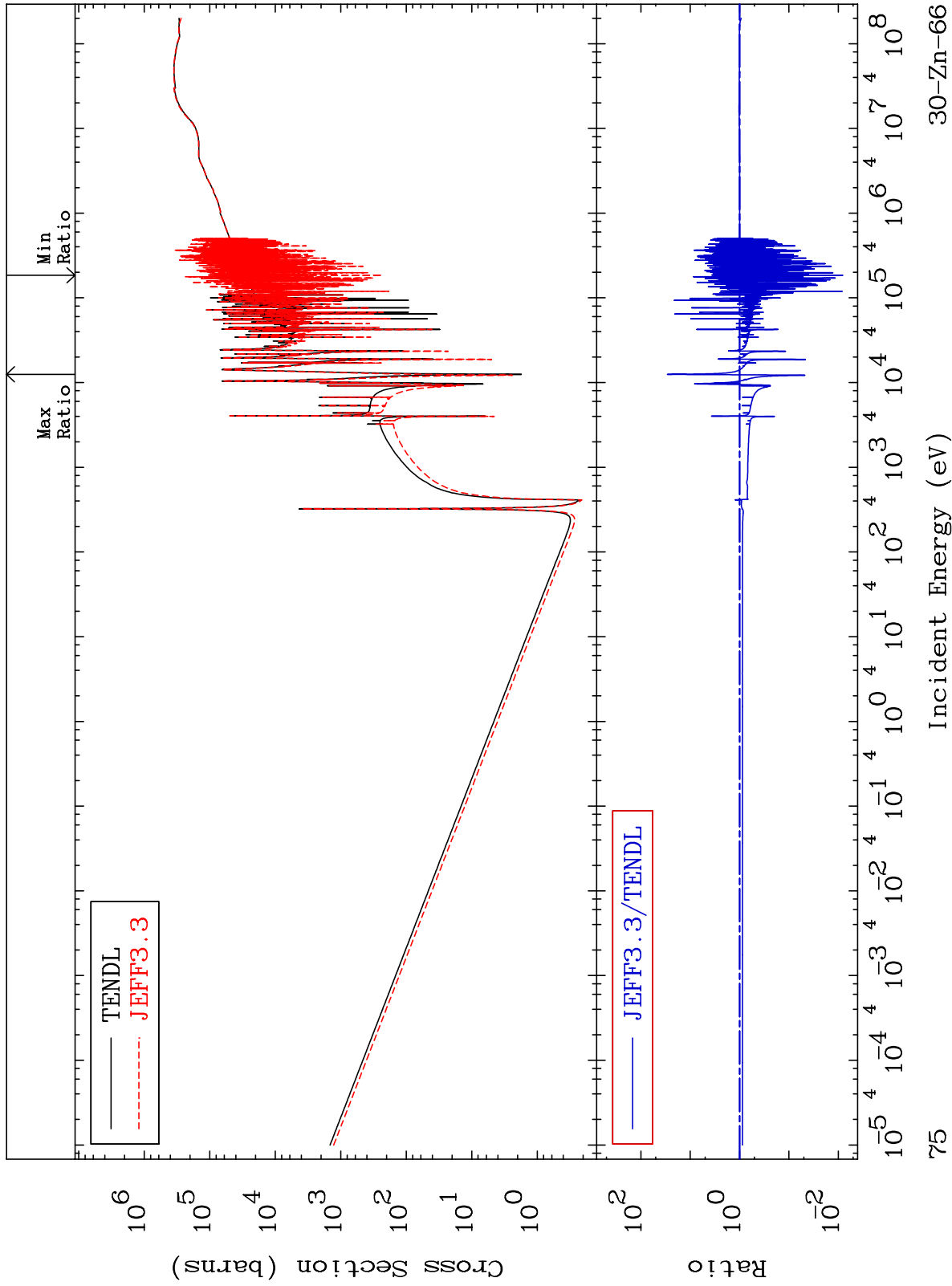
Incident Energy (eV)

30-Zn-66

MAT 3031

Dpa total (eV-barns)
Cross Section

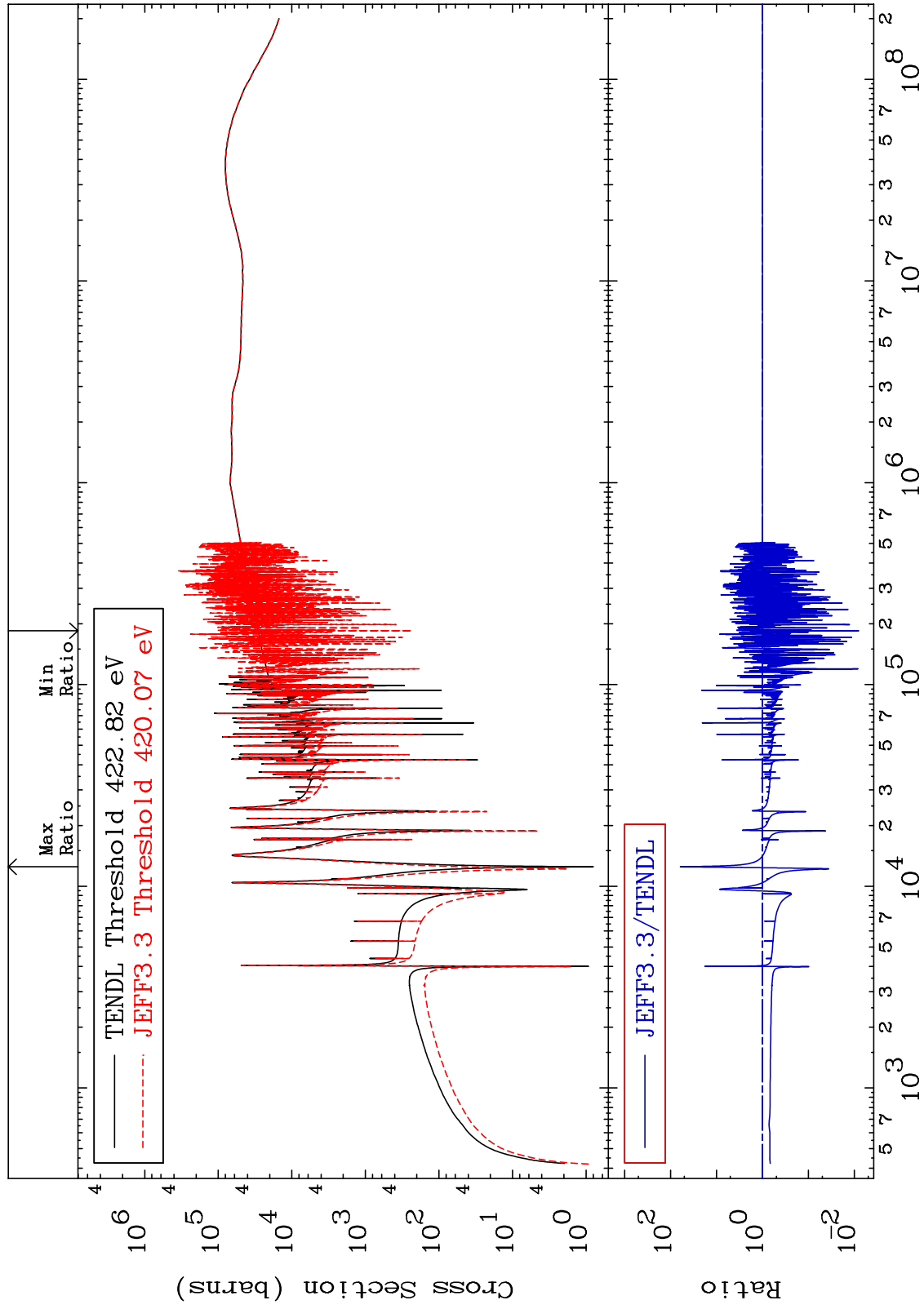
30-Zn-66
-99.19 To 2785. %



MAT 3031

Dpa elastic (mt2)
Cross Section

30-Zn-66
-99.19 To 5992. %



76

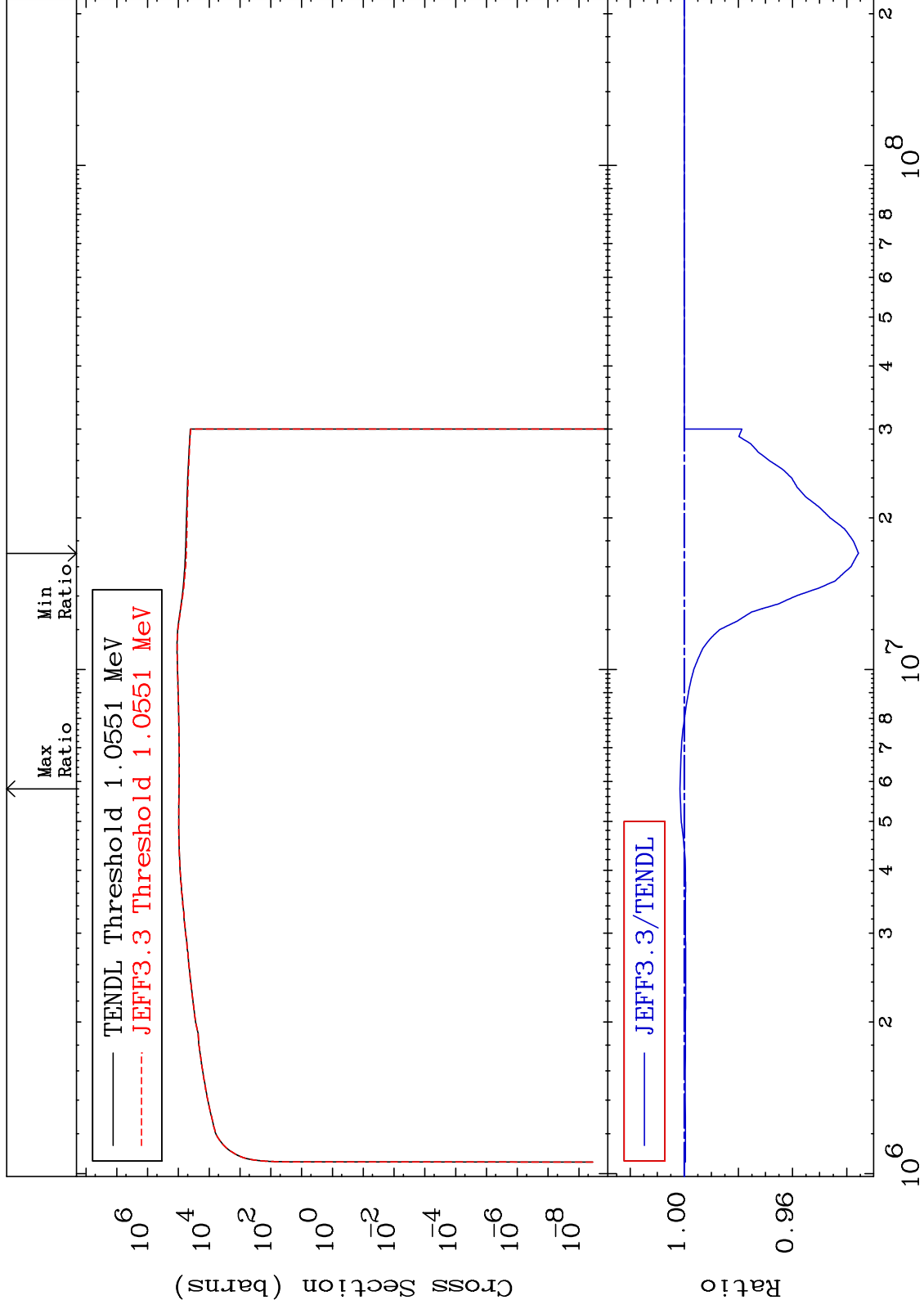
Incident Energy (eV)

30-Zn-66

MAT 3031

Dpa inelastic (mt51-91)
Cross Section

30-Zn-66
-6.432 To 0.158 %



77

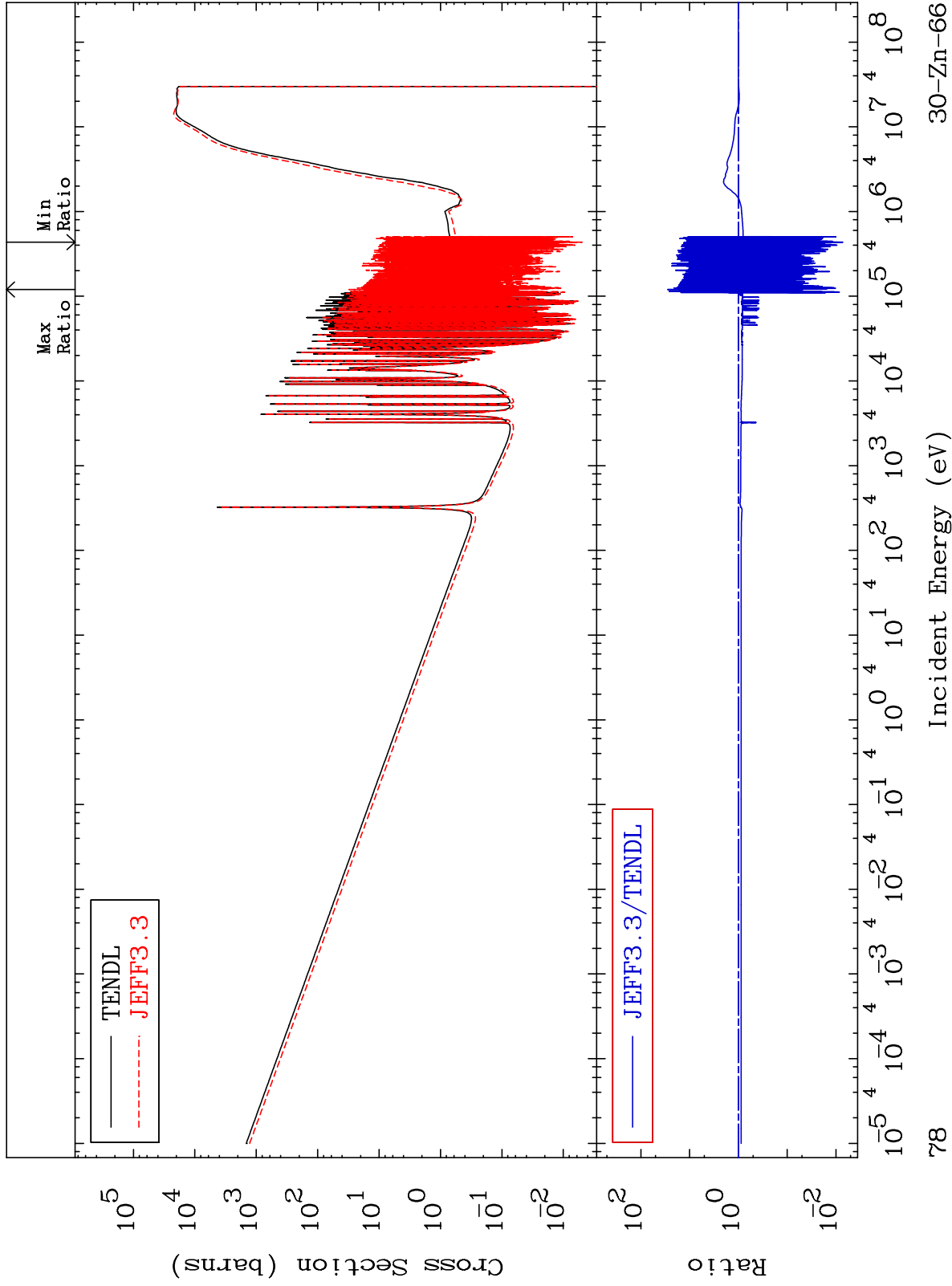
Incident Energy (eV)

30-Zn-66

MAT 3031

Dpa disappearance (mt102 -120)
Cross Section

30-Zn-66
-99.27 To 2738. %

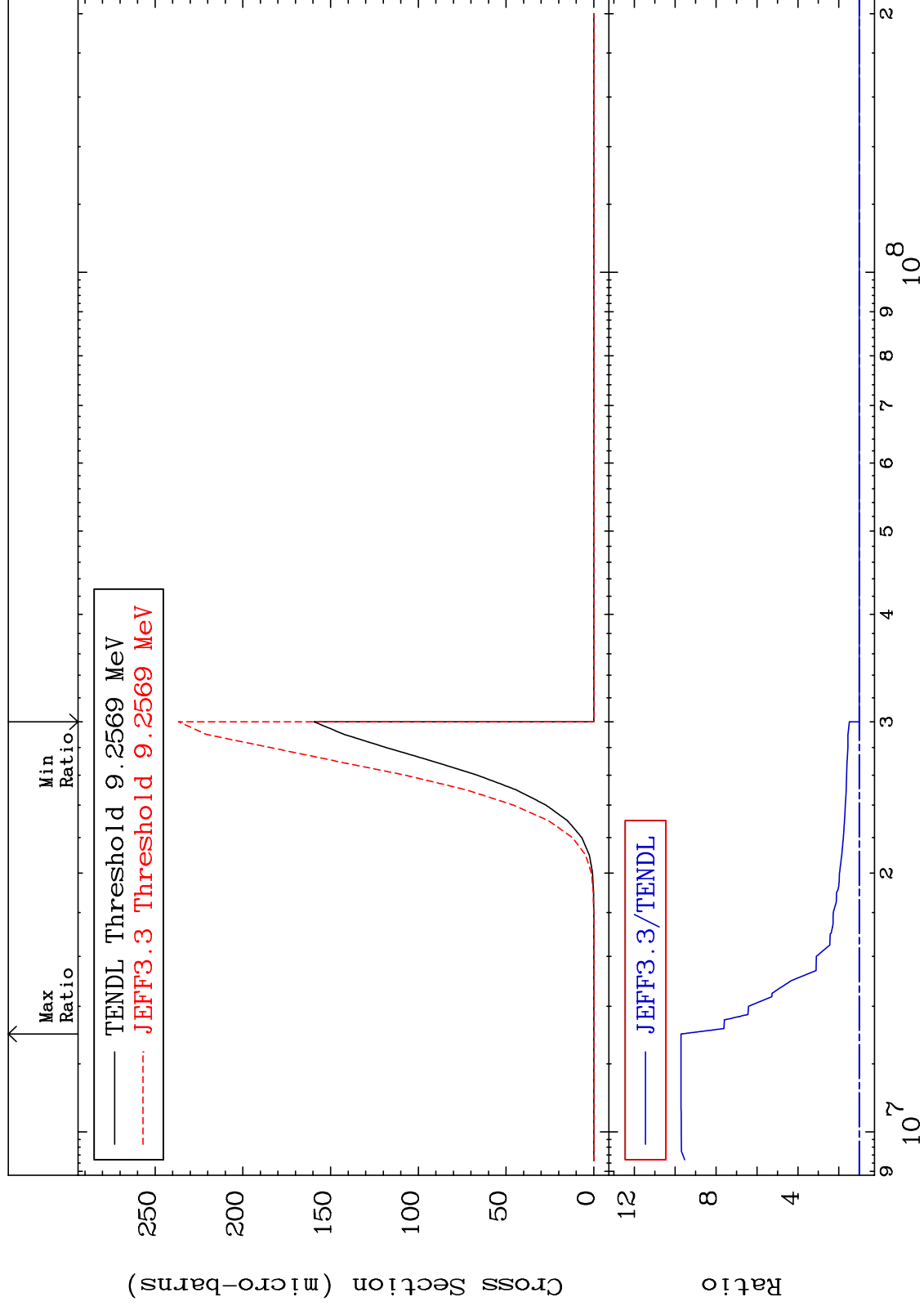


MAT 3031

(n, p) α :27-Co-62g

30-Zn-66

Radionuclide Production Cross Section 0.000 To 871.3 %



79

Incident Energy (eV)

30-Zn-66

MAT 3031

(n, p) α :27-Co-62m1

30-Zn-66

Radionuclide Production Cross Section 0.000 To 896.8 %

