

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

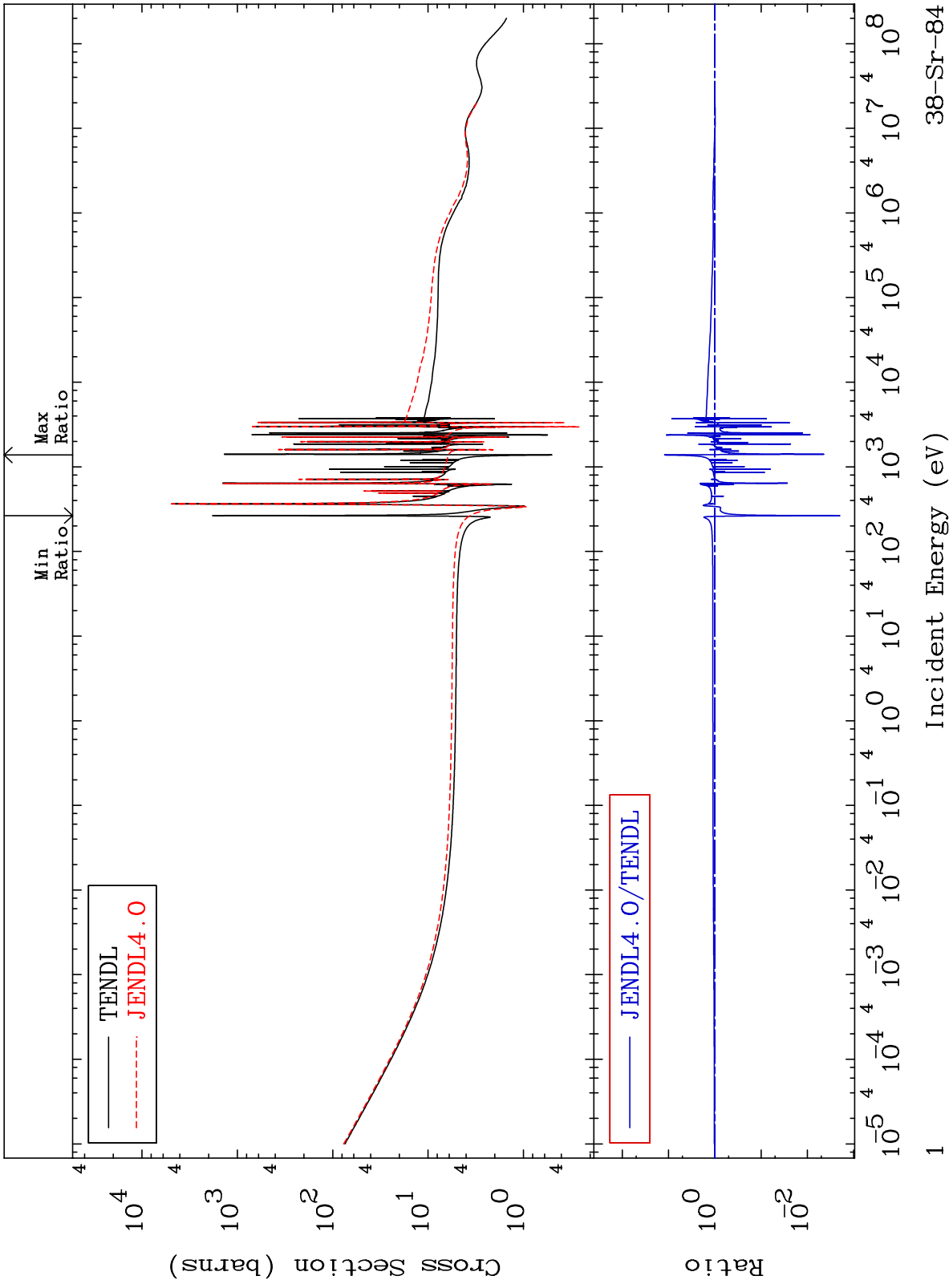
MAT 3825

Total

38-Sr-84

Cross Section

-99.80 To 1108. %



Incident Energy (eV)

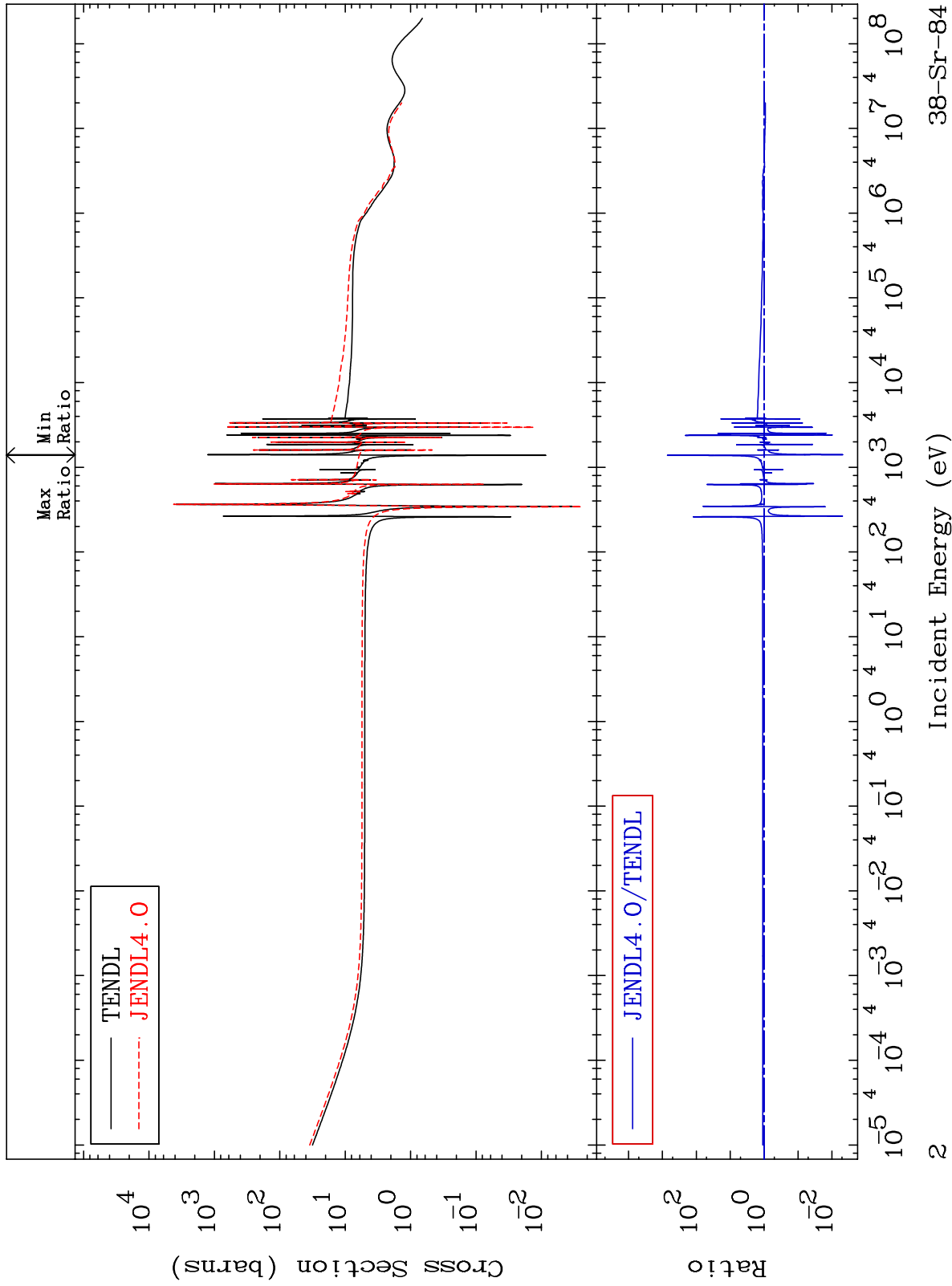
38-Sr-84

1

MAT 3825

Elastic
Cross Section

38-Sr-84
-99.52 To 9999. %



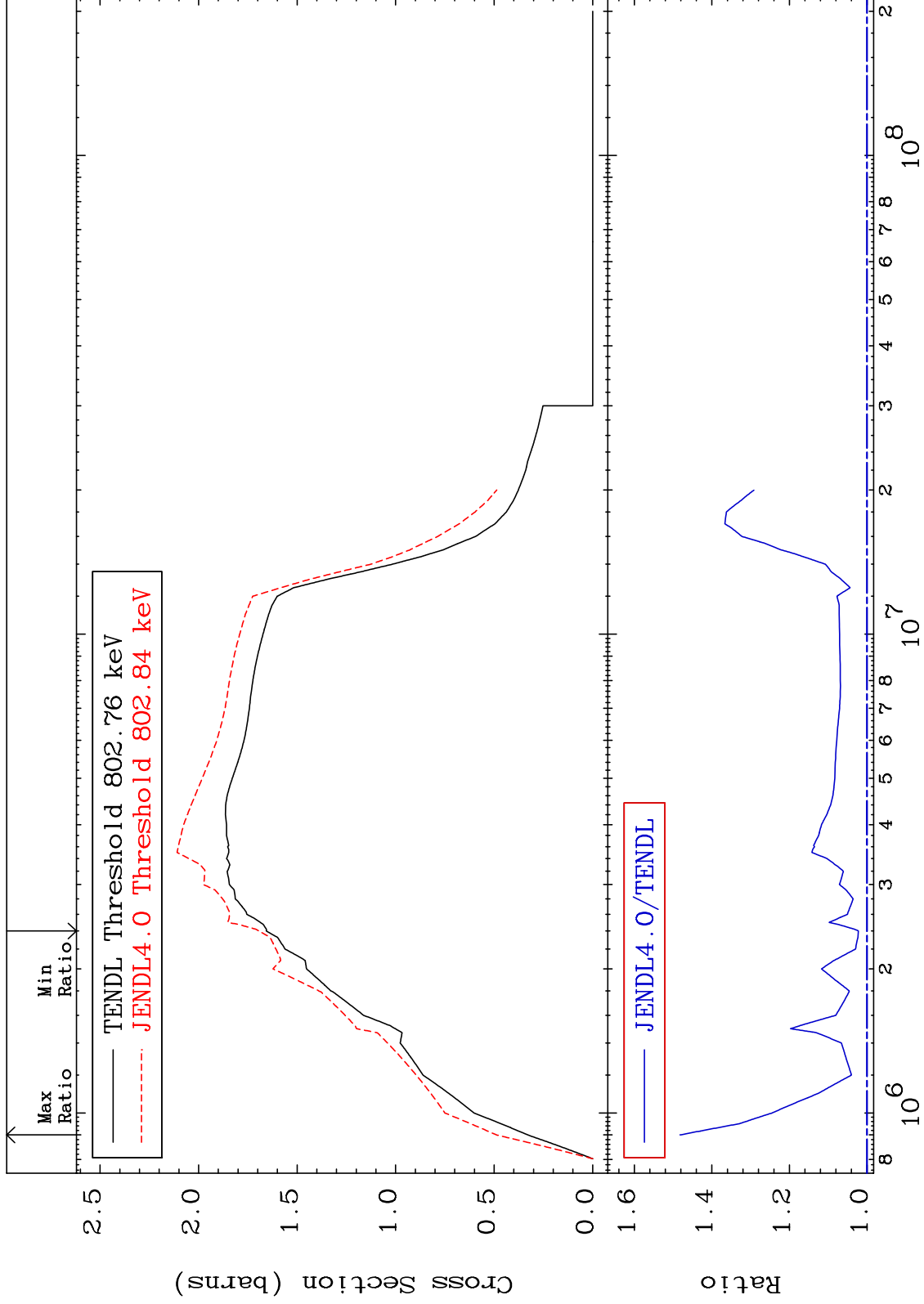
MAT 3825

Inelastic

38-Sr-84

Cross Section

2.214 To 48.22 %



38-Sr-84

3

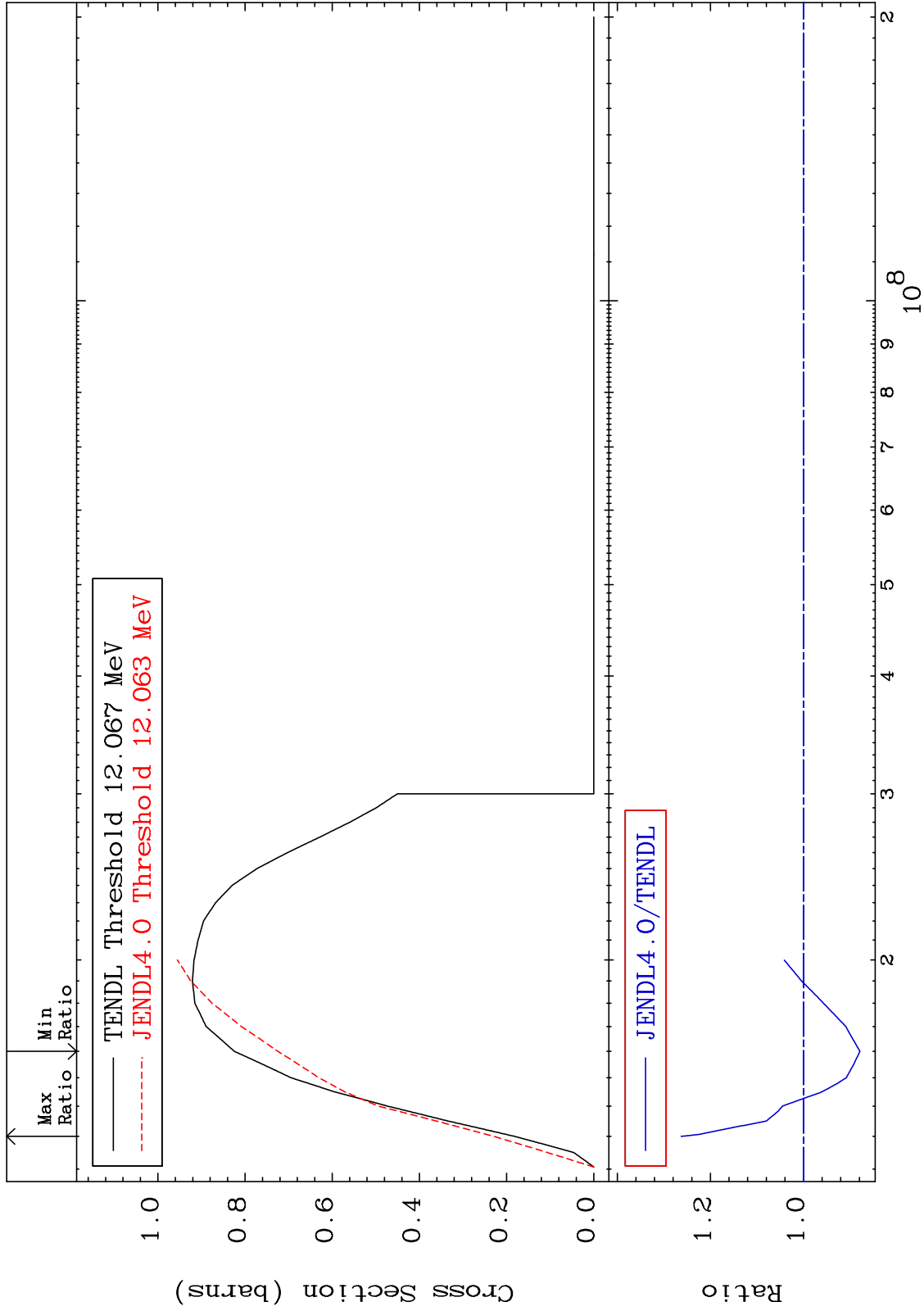
MAT 3825

(n,2n)

38-Sr-84

Cross Section

-12.12 To 26.27 %



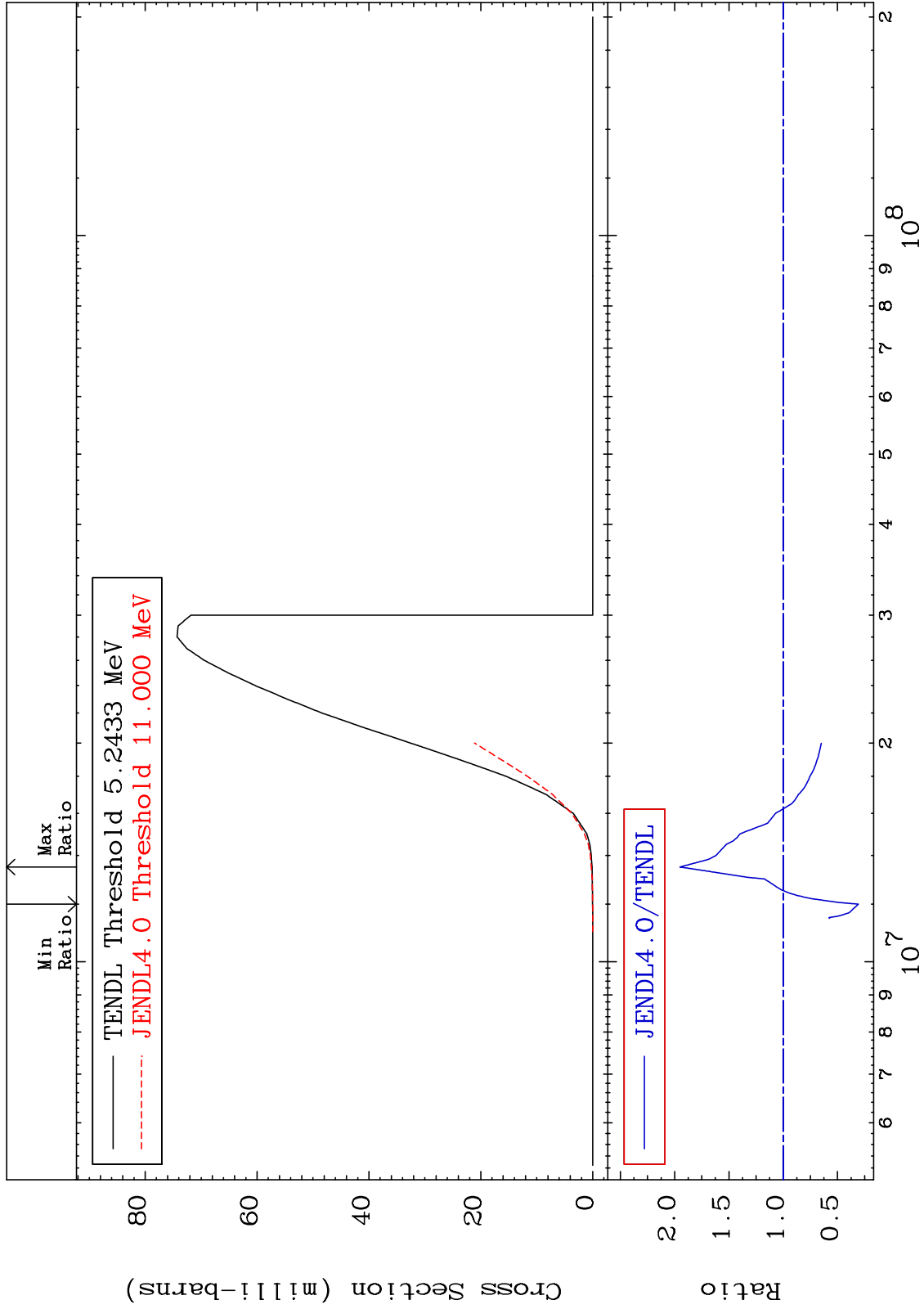
MAT 3825

(n,n') α

38-Sr-84

Cross Section

-69.26 To 95.07 %



5

Incident Energy (eV)

38-Sr-84

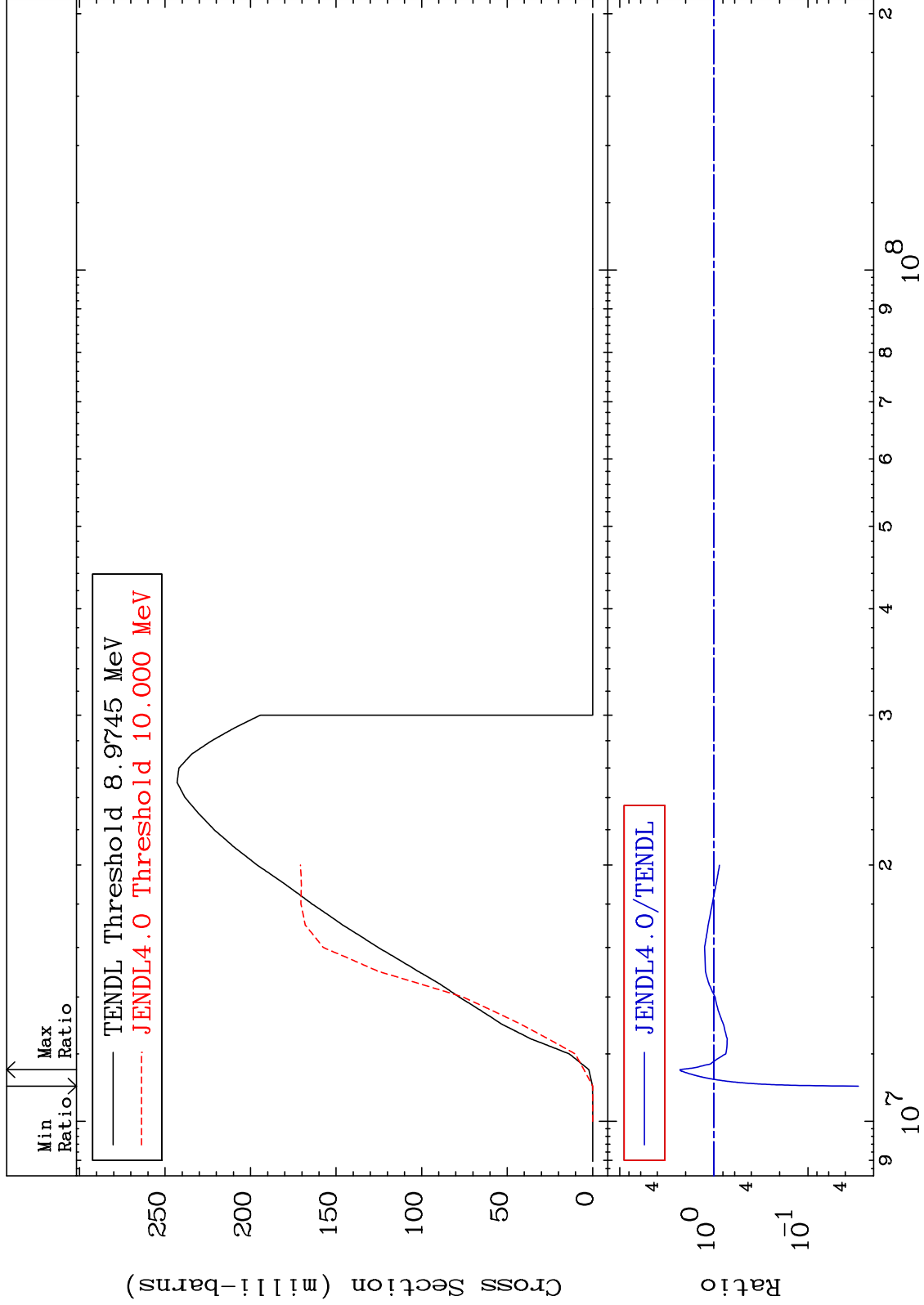
MAT 3825

(n,n') p

38-Sr-84

Cross Section

-97.10 To 129.0 %



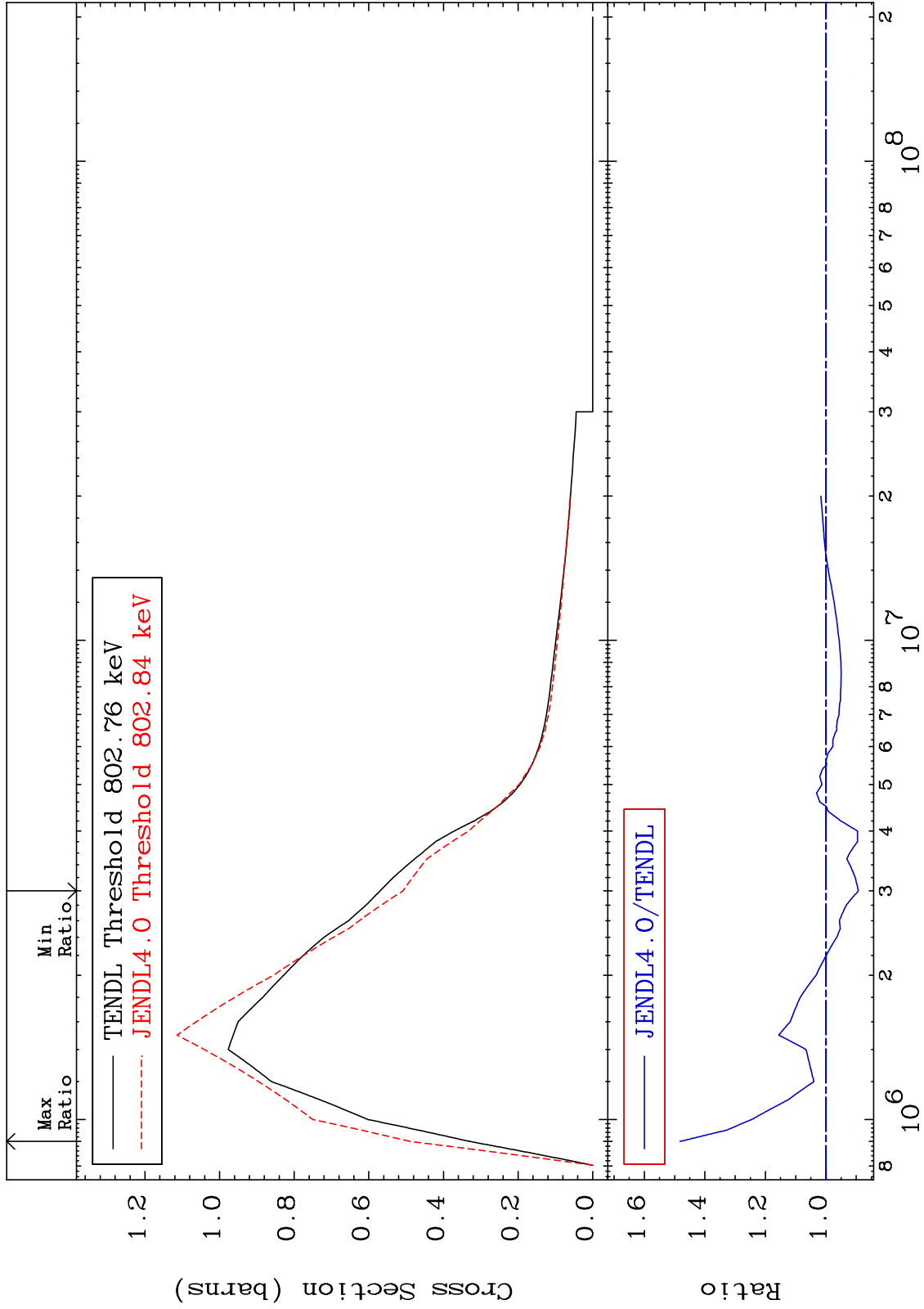
38-Sr-84

38-Sr-84

MAT 3825

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

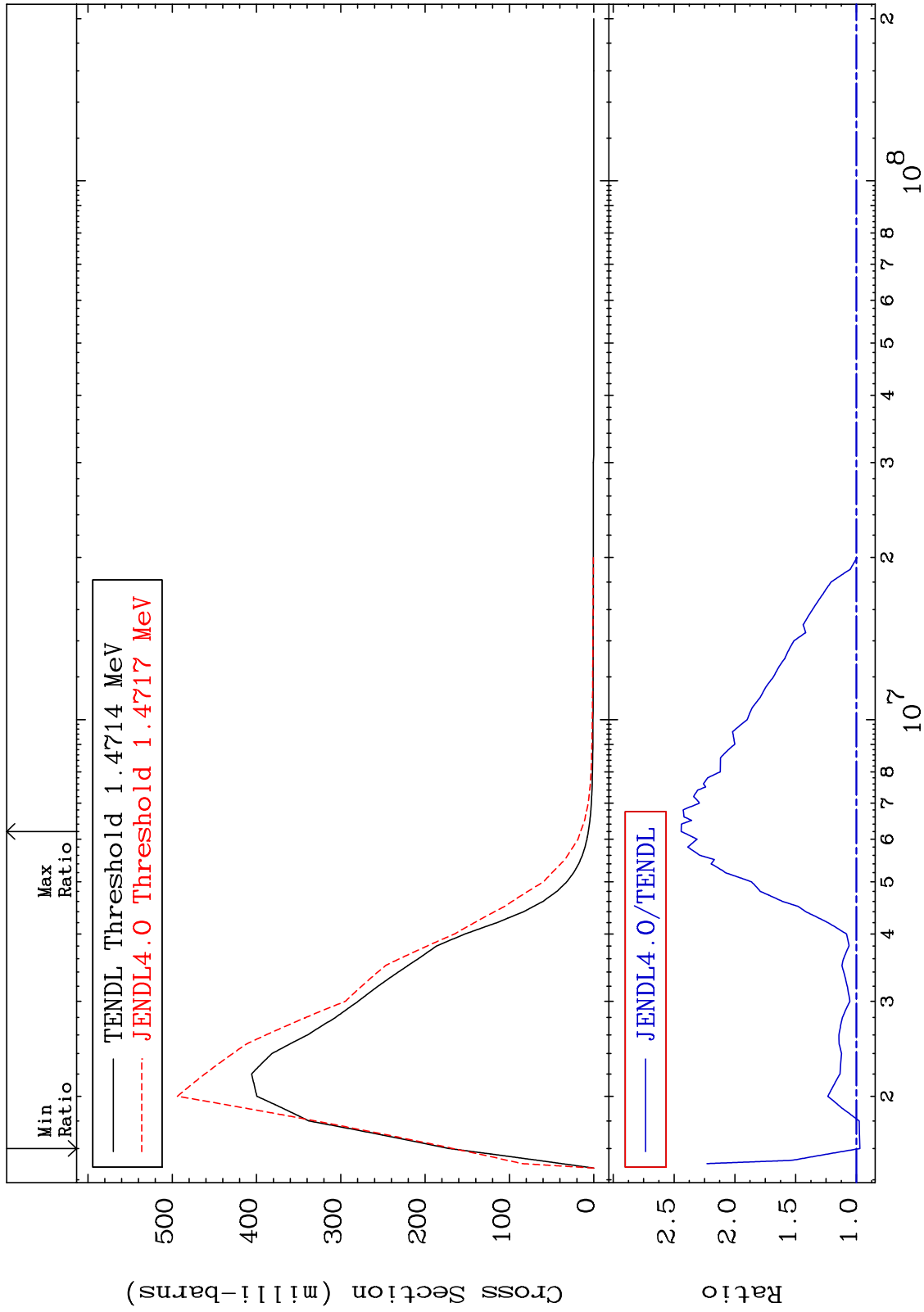
38-Sr-84
-10.71 To 48.22 %



MAT 3825

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

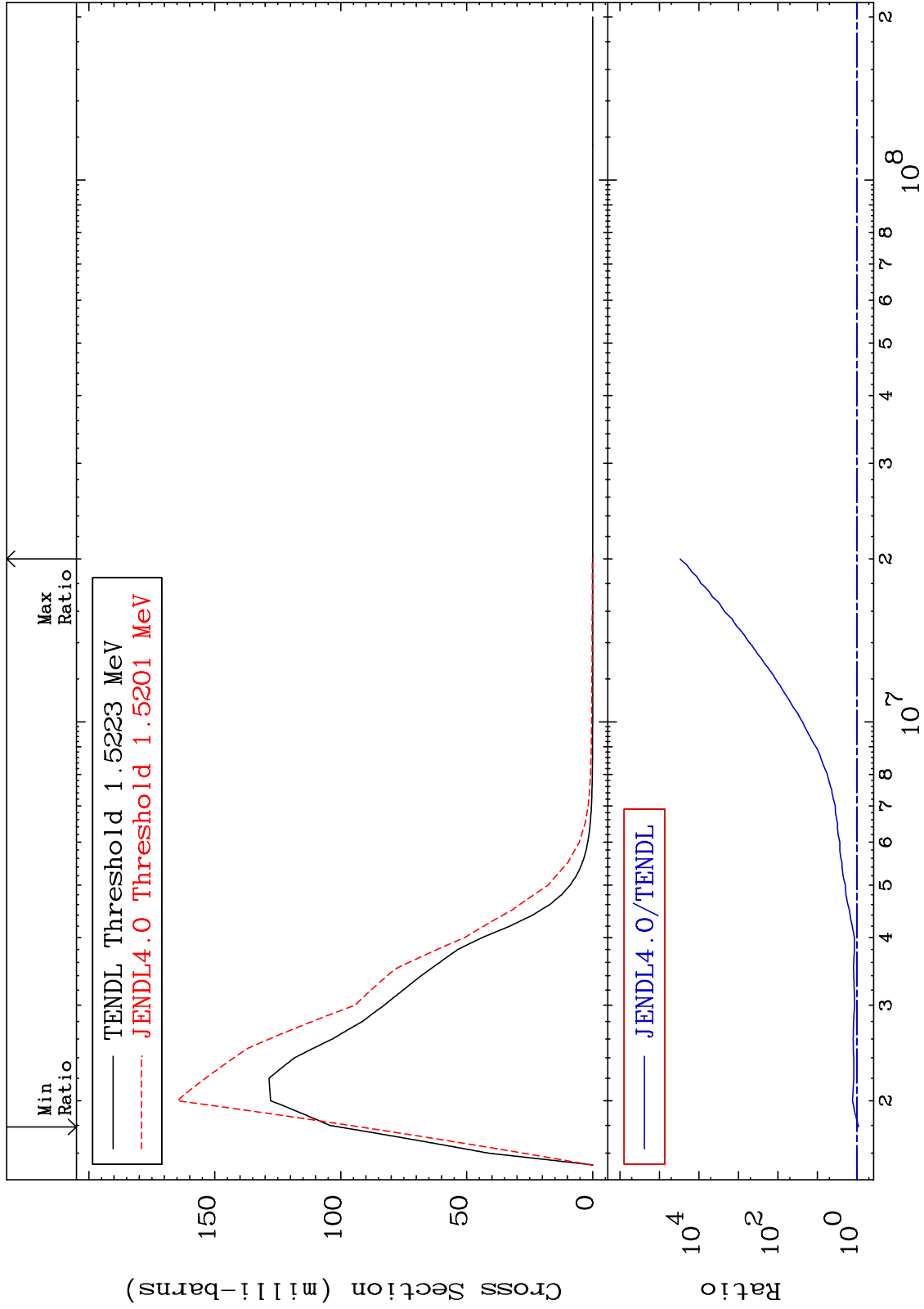
38-Sr-84
-2.849 To 144.1 %



MAT 3825

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

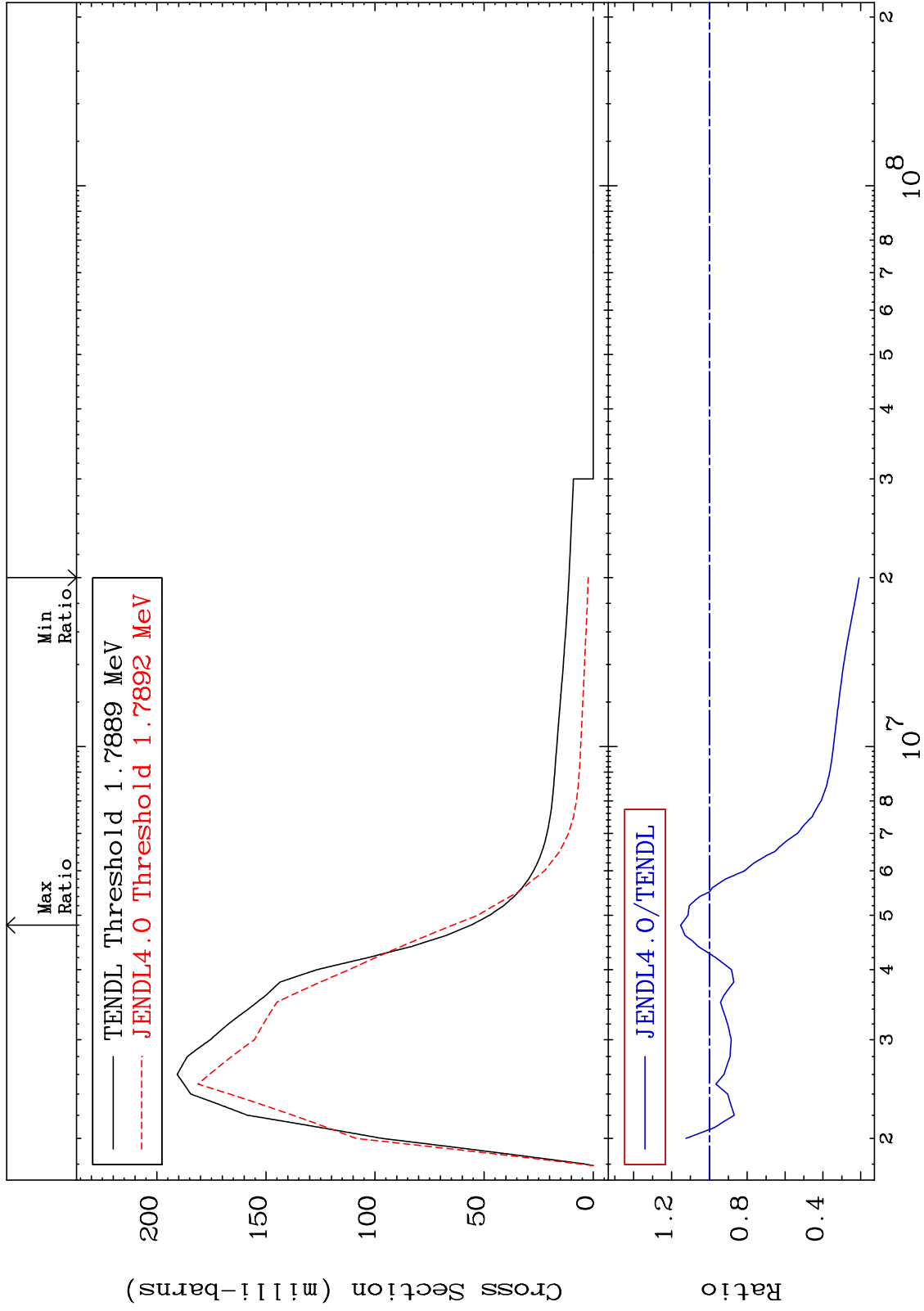
38-Sr-84
-8.288 To 9999. %



MAT 3825

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

38-Sr-84
-79.19 To 15.20 %



10

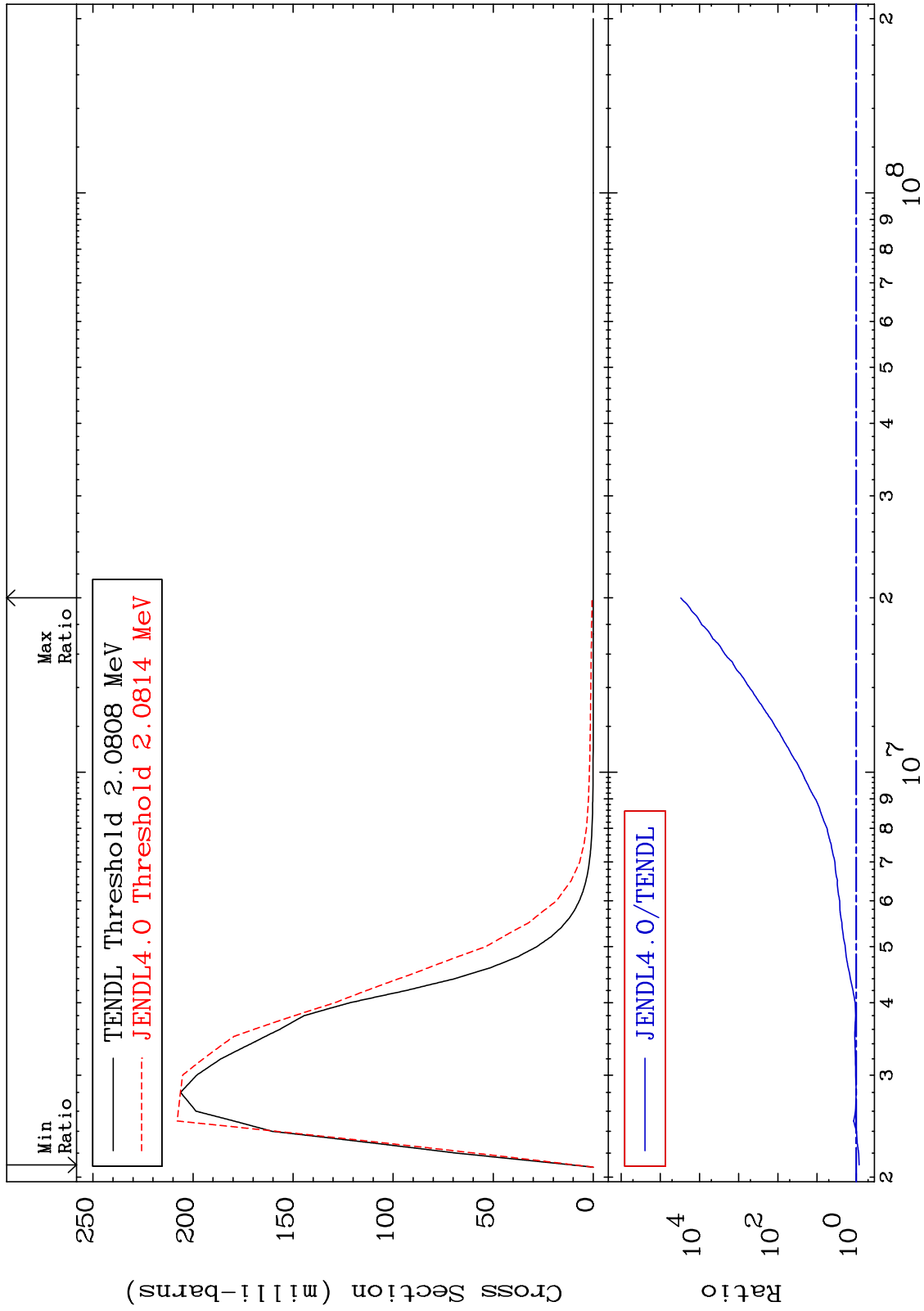
Incident Energy (eV)

38-Sr-84

MAT 3825

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

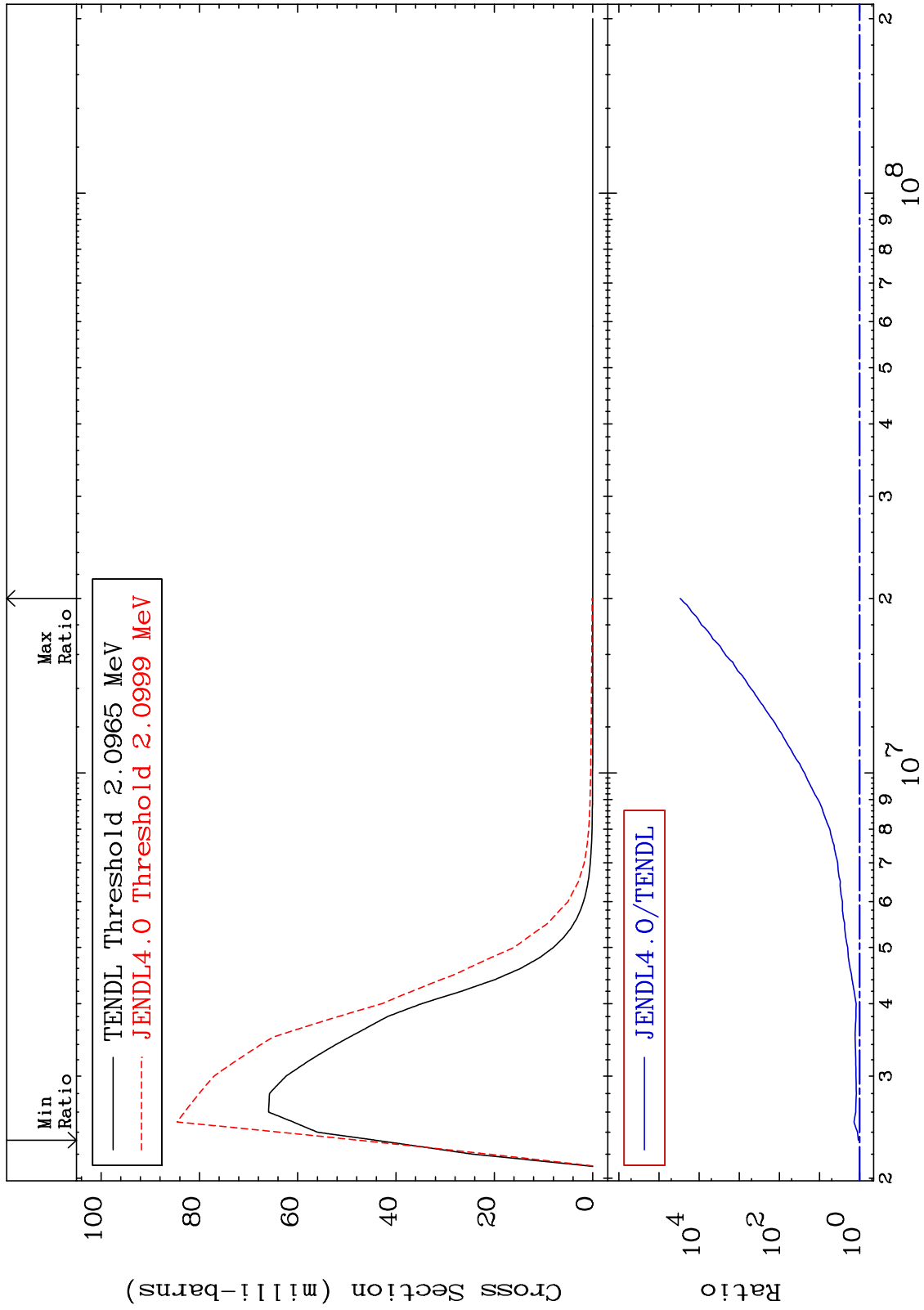
38-Sr-84
-15.91 To 9999. %



MAT 3825

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

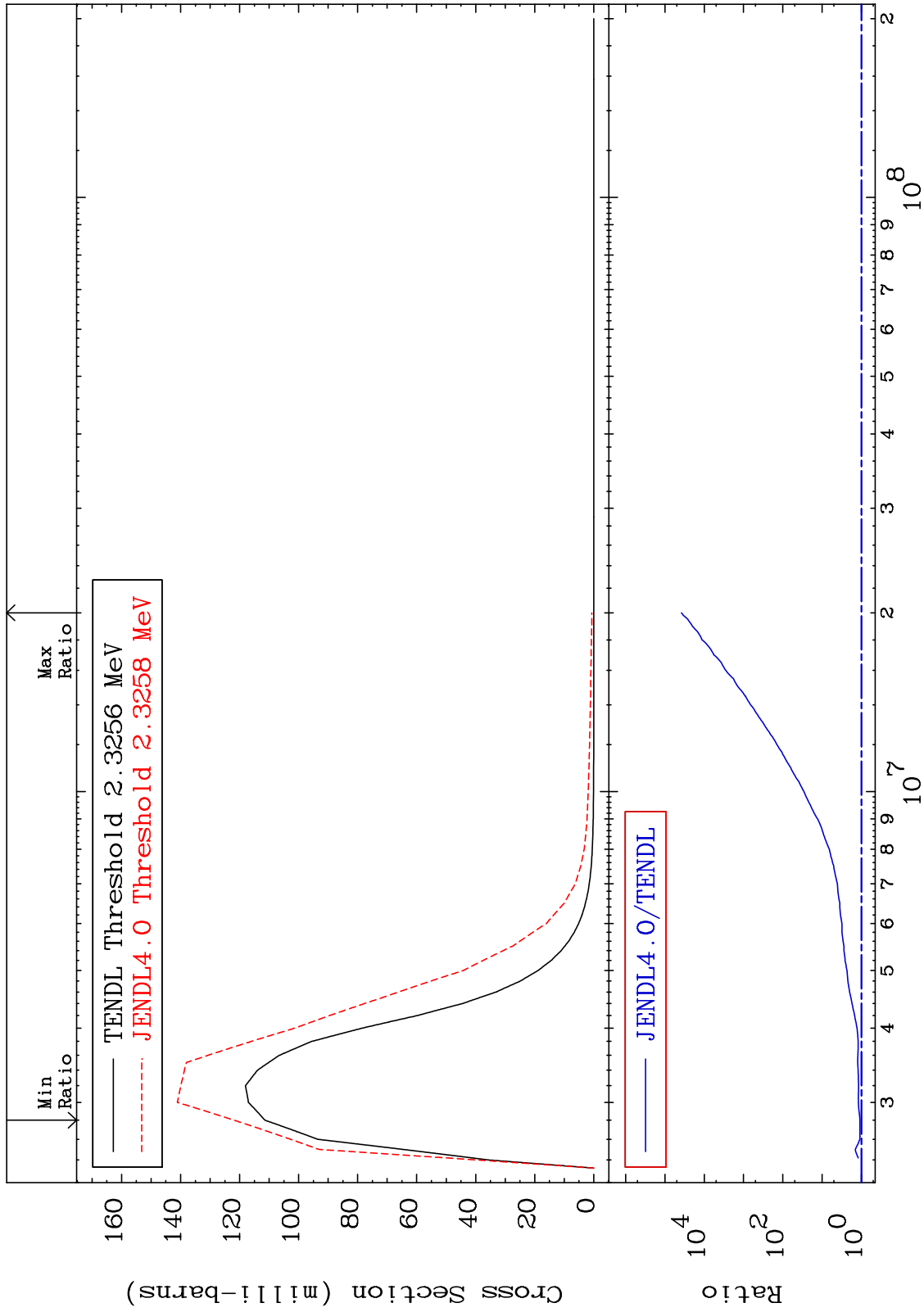
38-Sr-84
7.870 To 9999. %



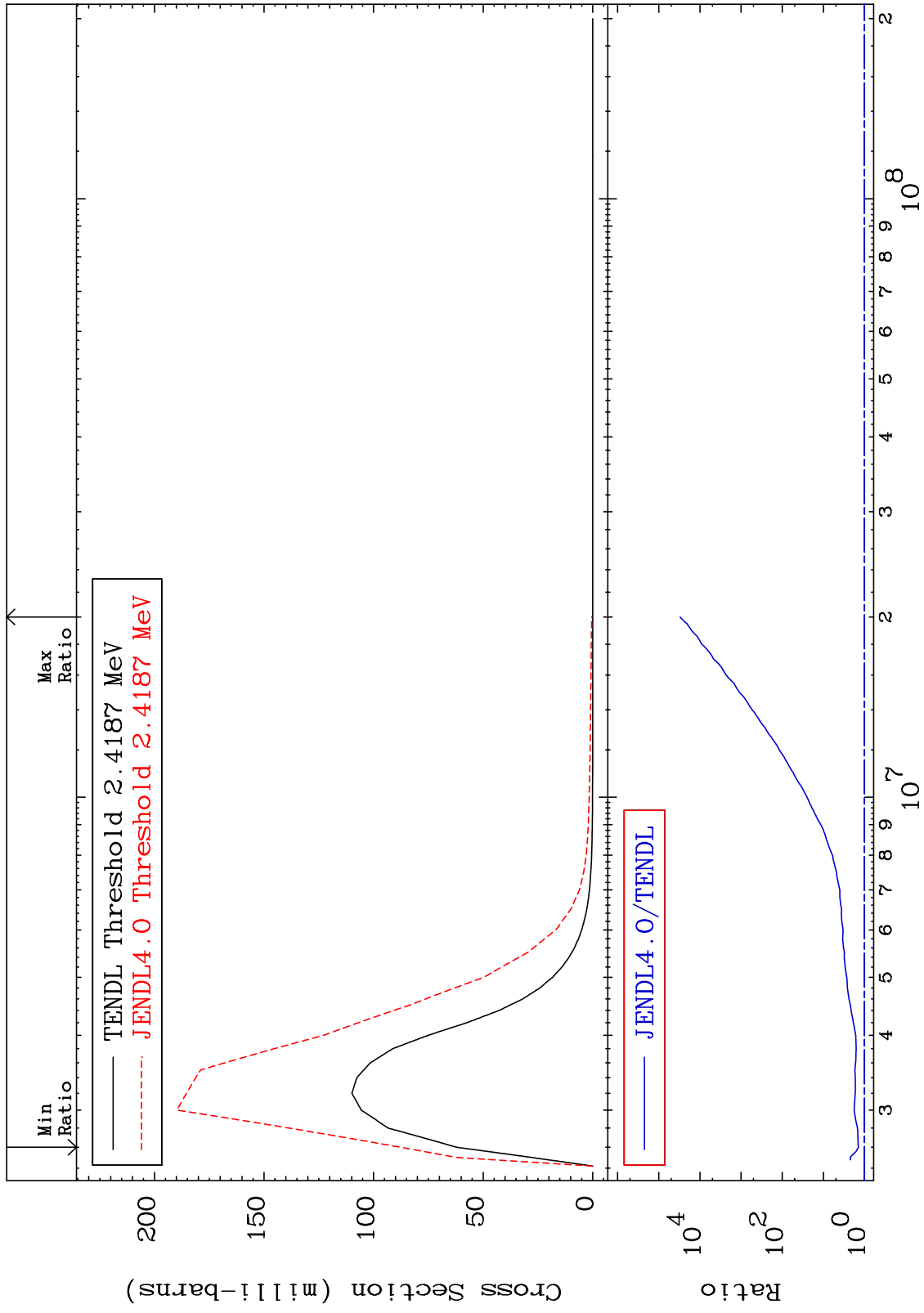
MAT 3825

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

38-Sr-84
9.389 To 9999. %



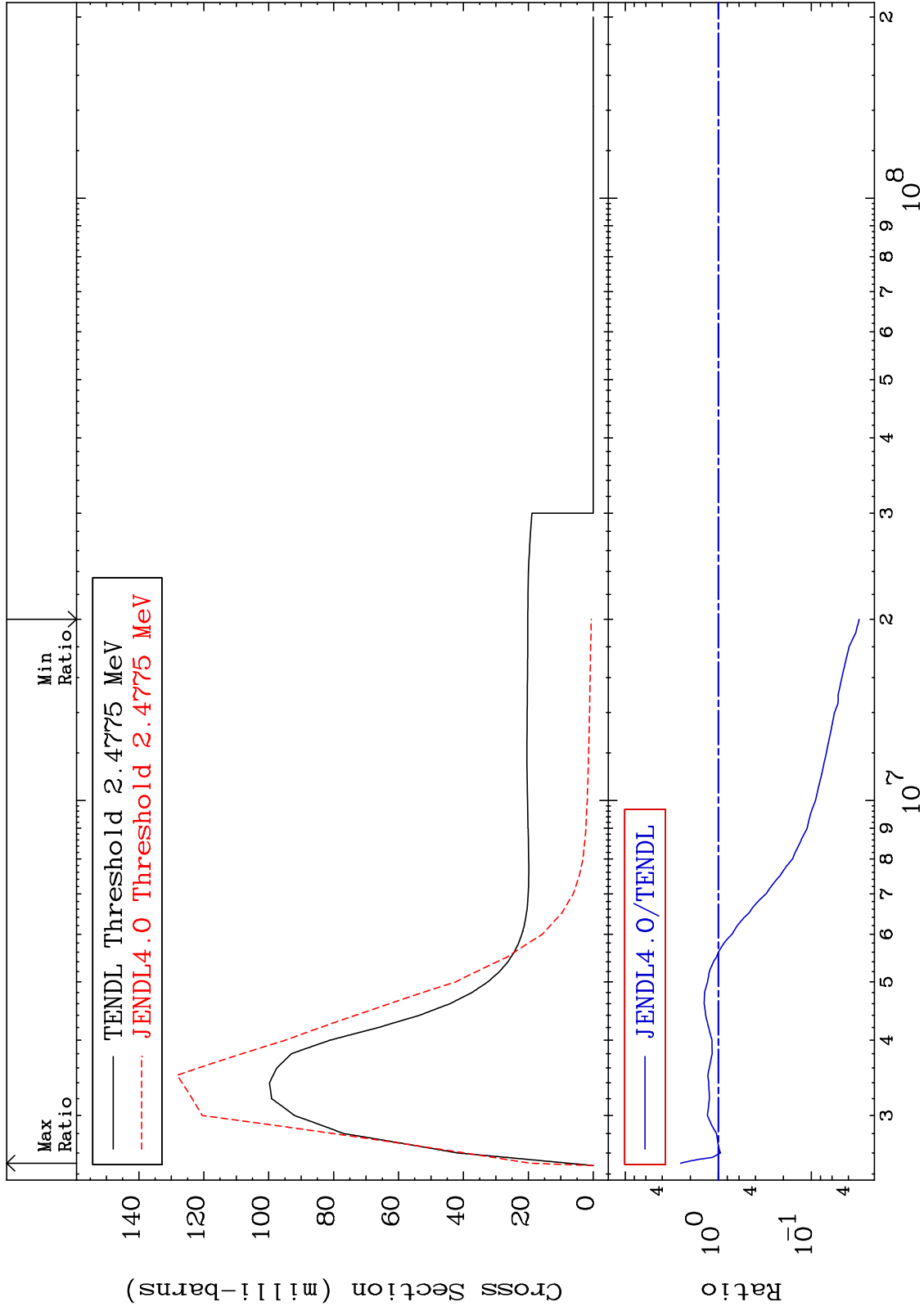
MAT 3825 MT= 58 (n,n') Level Cross Section 38-Sr-84
 41.16 To 9999. %



MAT 3825

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

38-Sr-84
-96.93 To 154.1 %

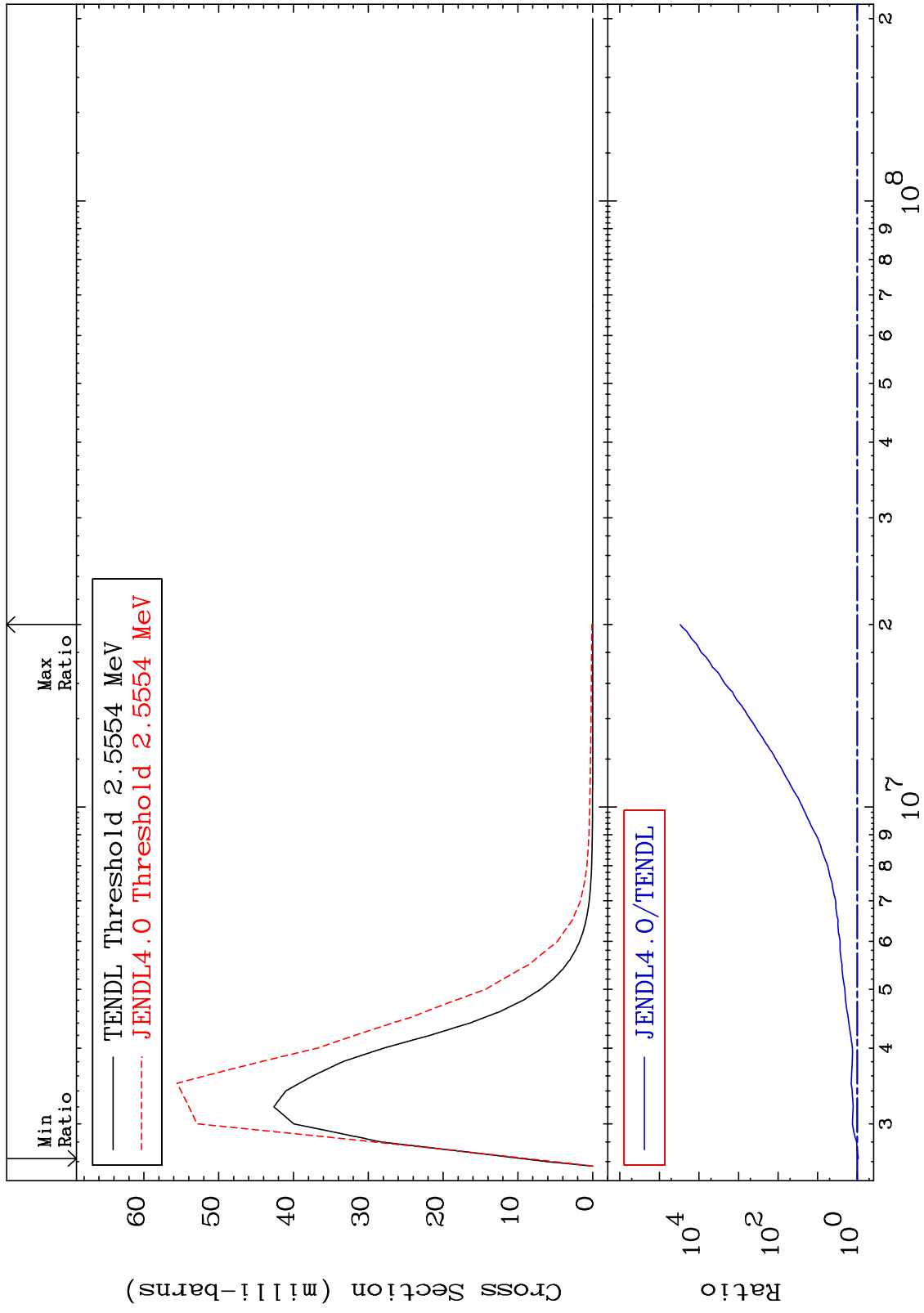


15

38-Sr-84

38-Sr-84

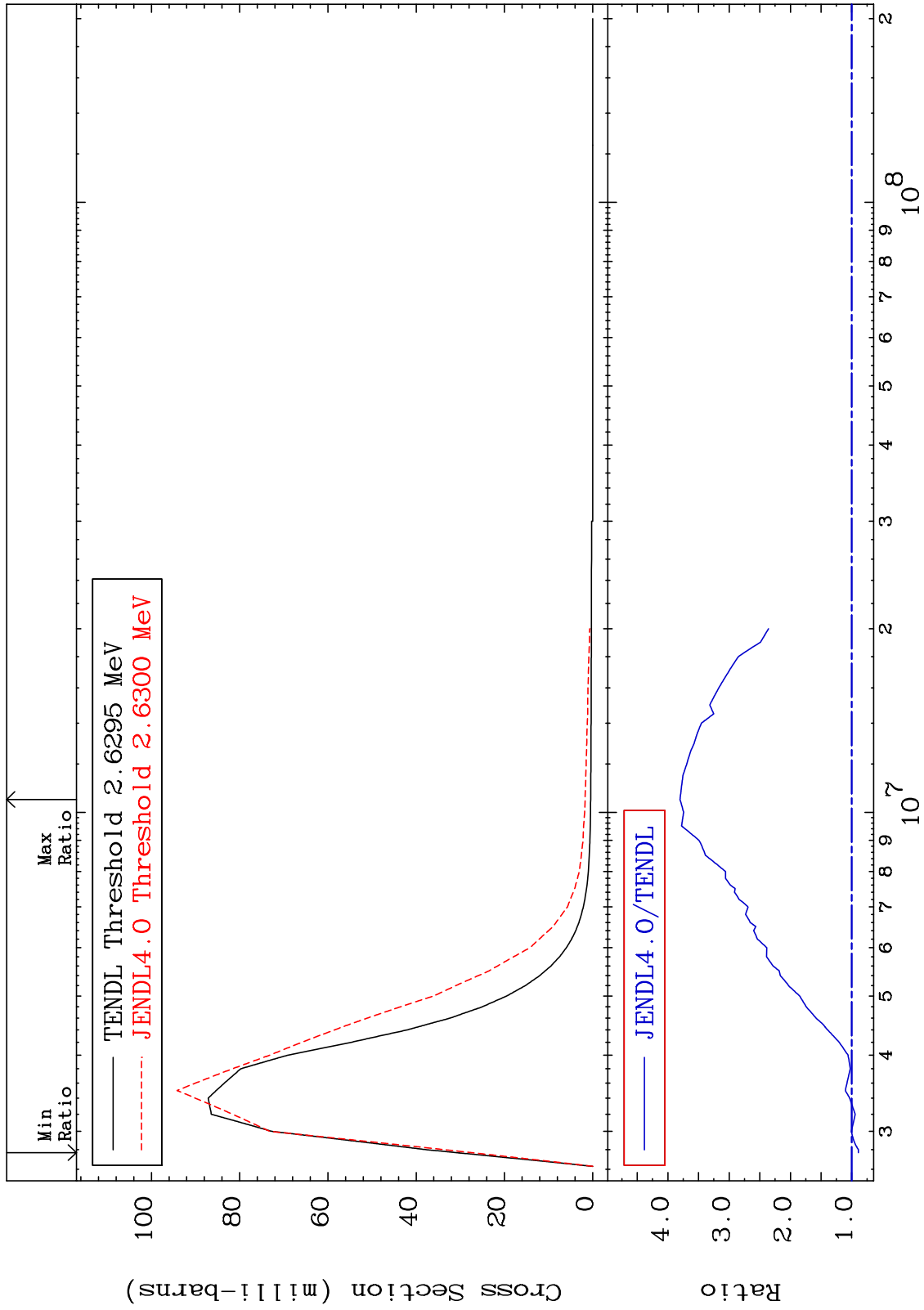
MAT 3825 MT= 60 (n,n') Level Cross Section 38-Sr-84 -6.790 To 9999. %



MAT 3825

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

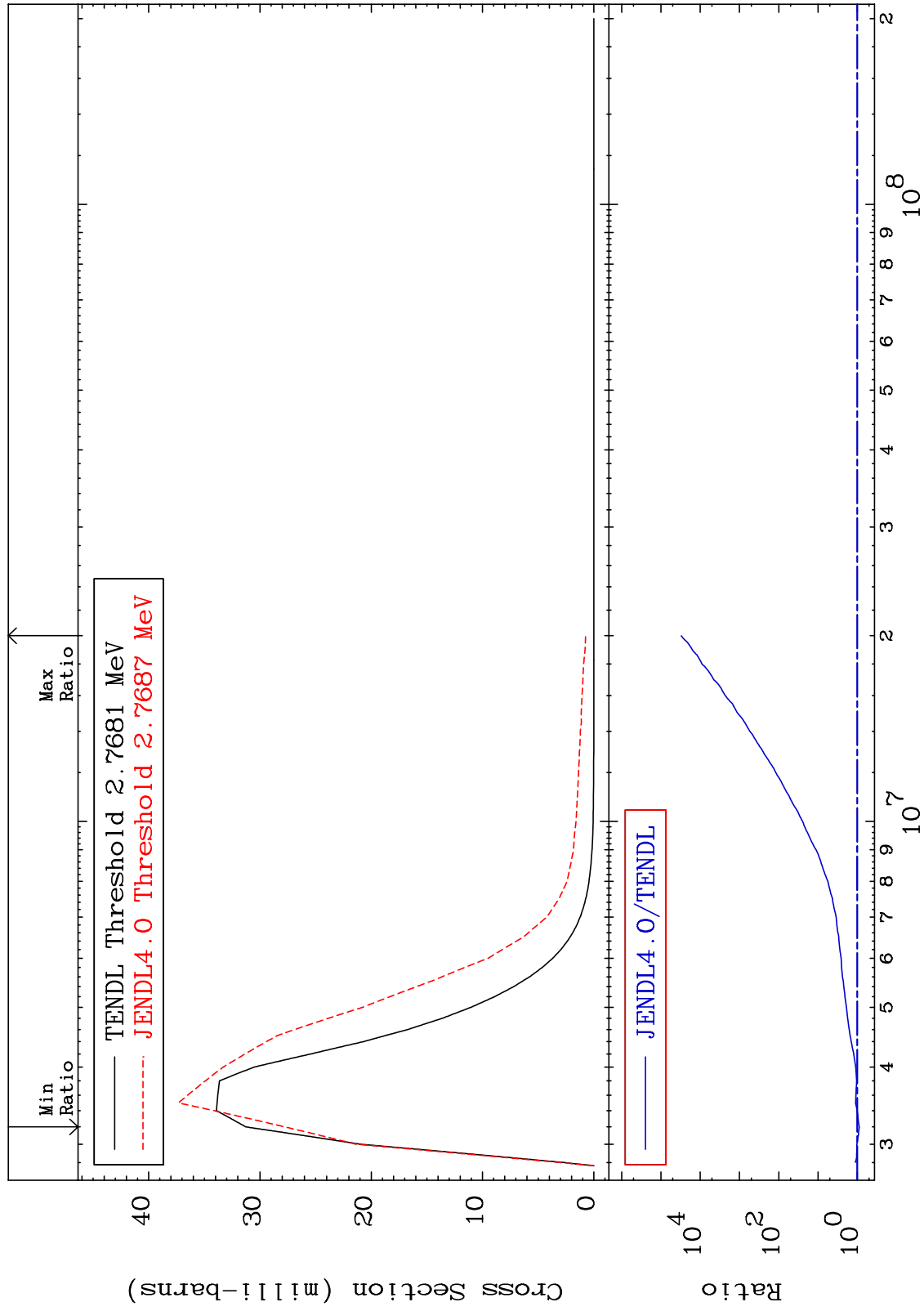
38-Sr-84
-10.93 To 280.2 %



MAT 3825

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

38-Sr-84
-11.24 To 9999. %



18

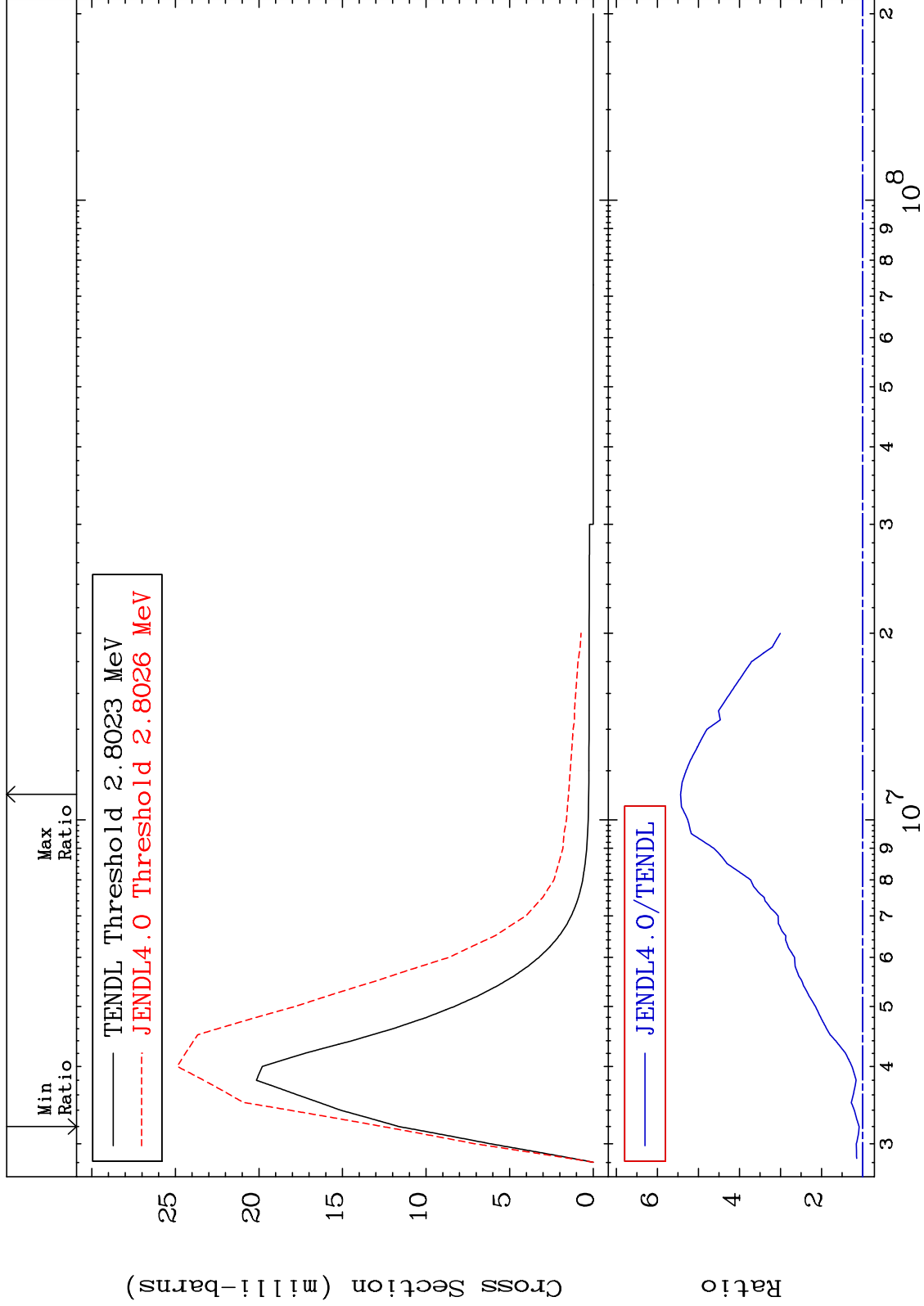
Incident Energy (eV)

38-Sr-84

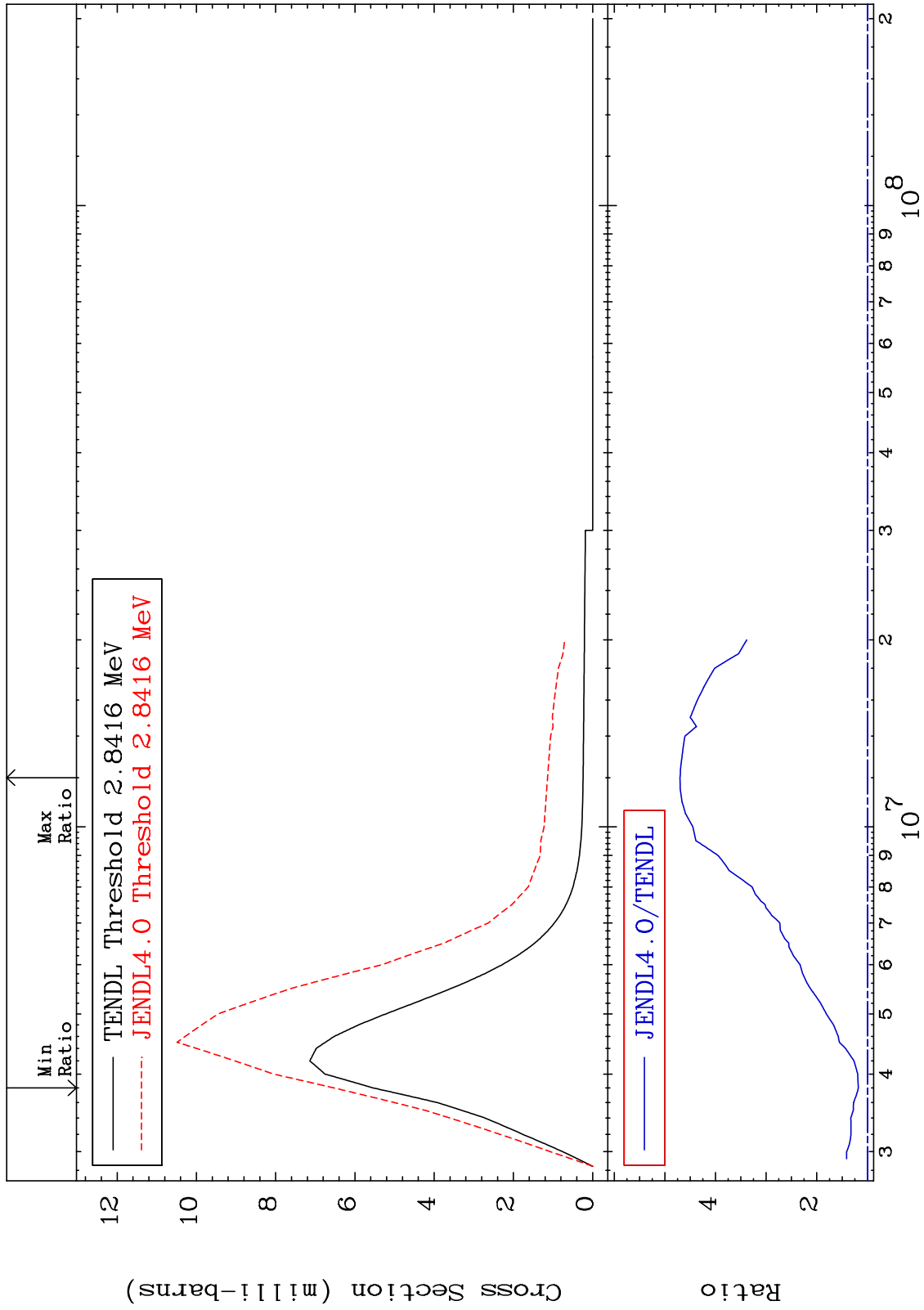
MAT 3825

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

38-Sr-84
8.279 To 443.6 %



MAT 3825 MT= 64 (n,n') Level Cross Section 38-Sr-84 17.82 To 370.2 %

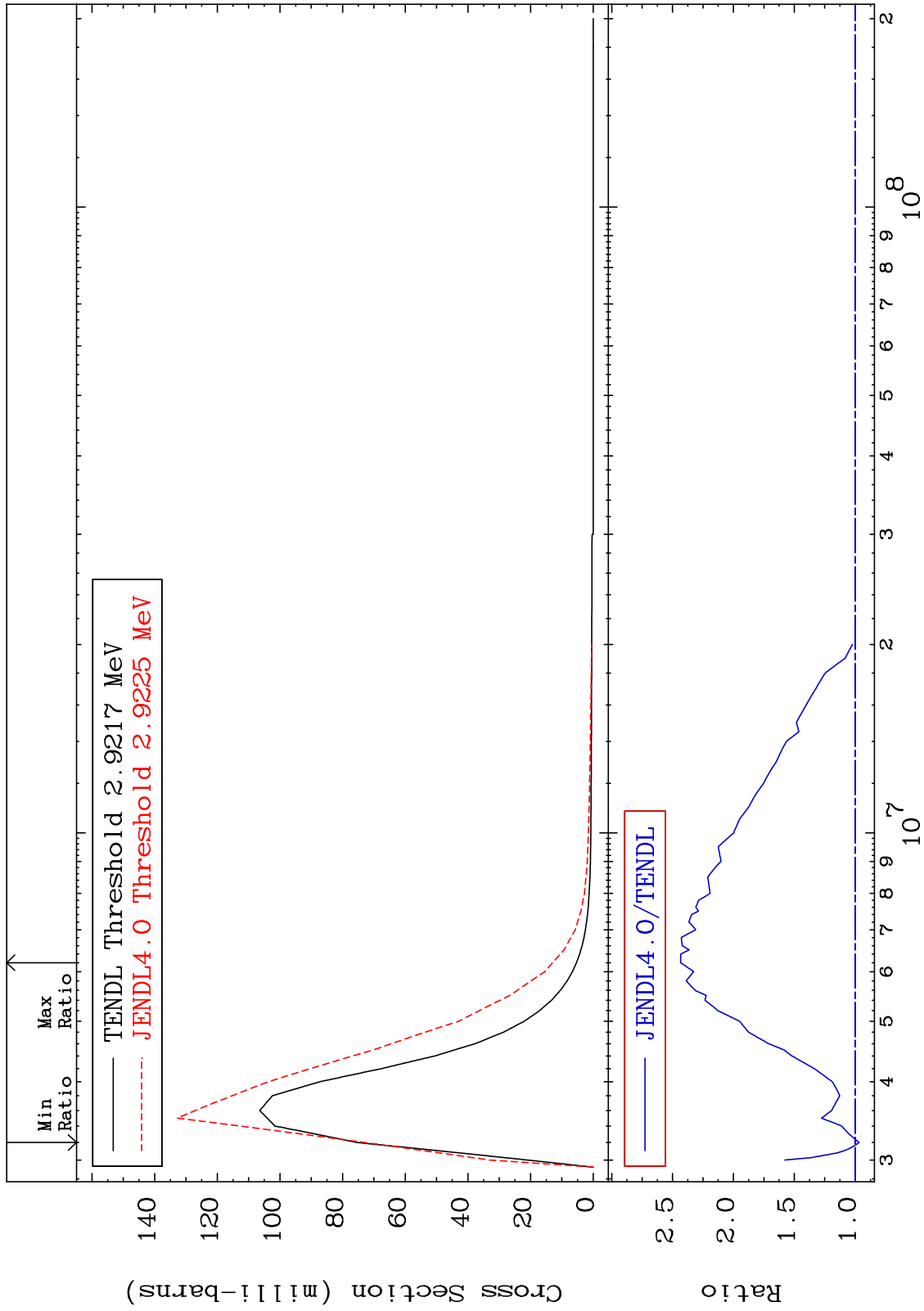


20 Incident Energy (eV) 38-Sr-84

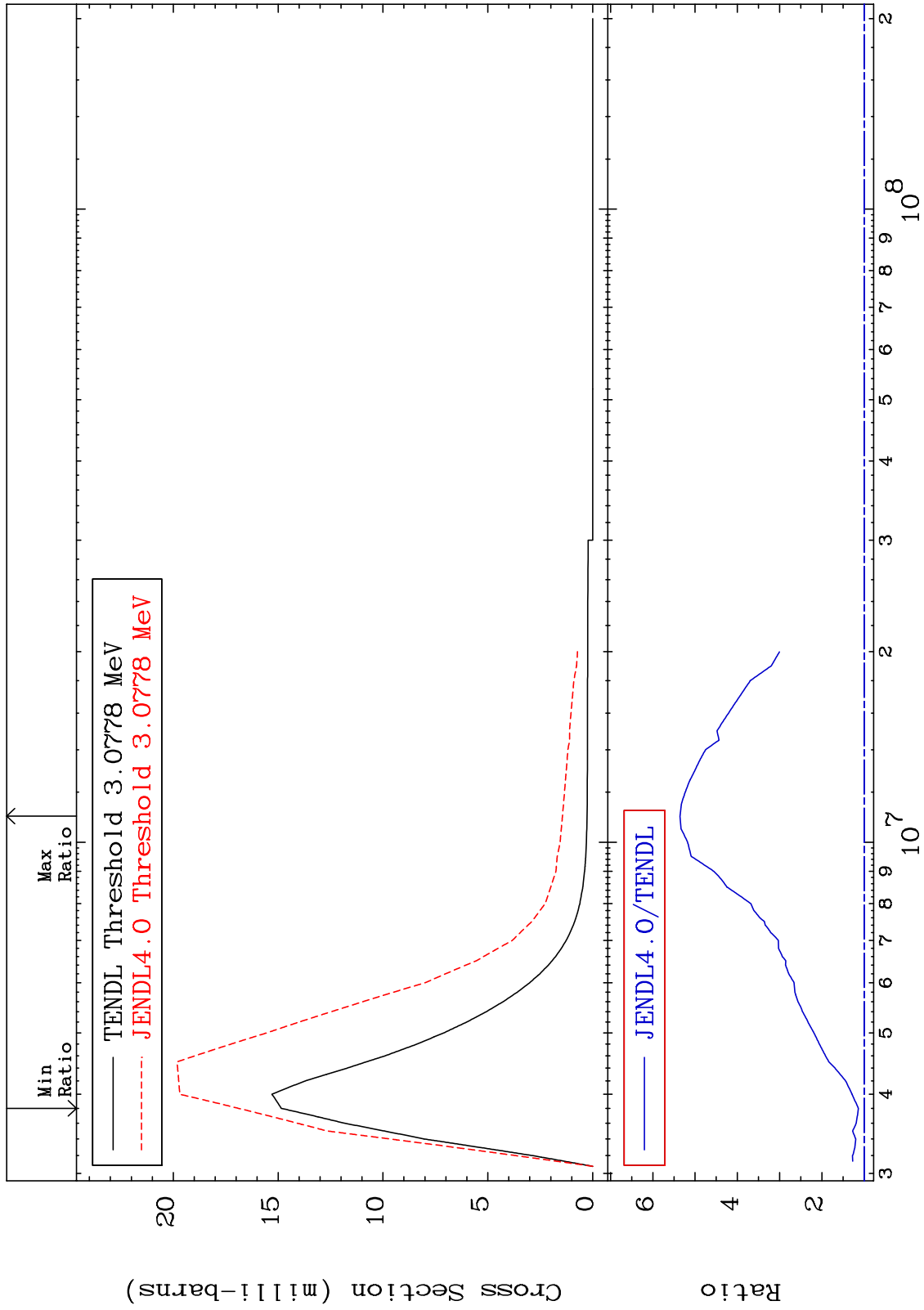
MAT 3825

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

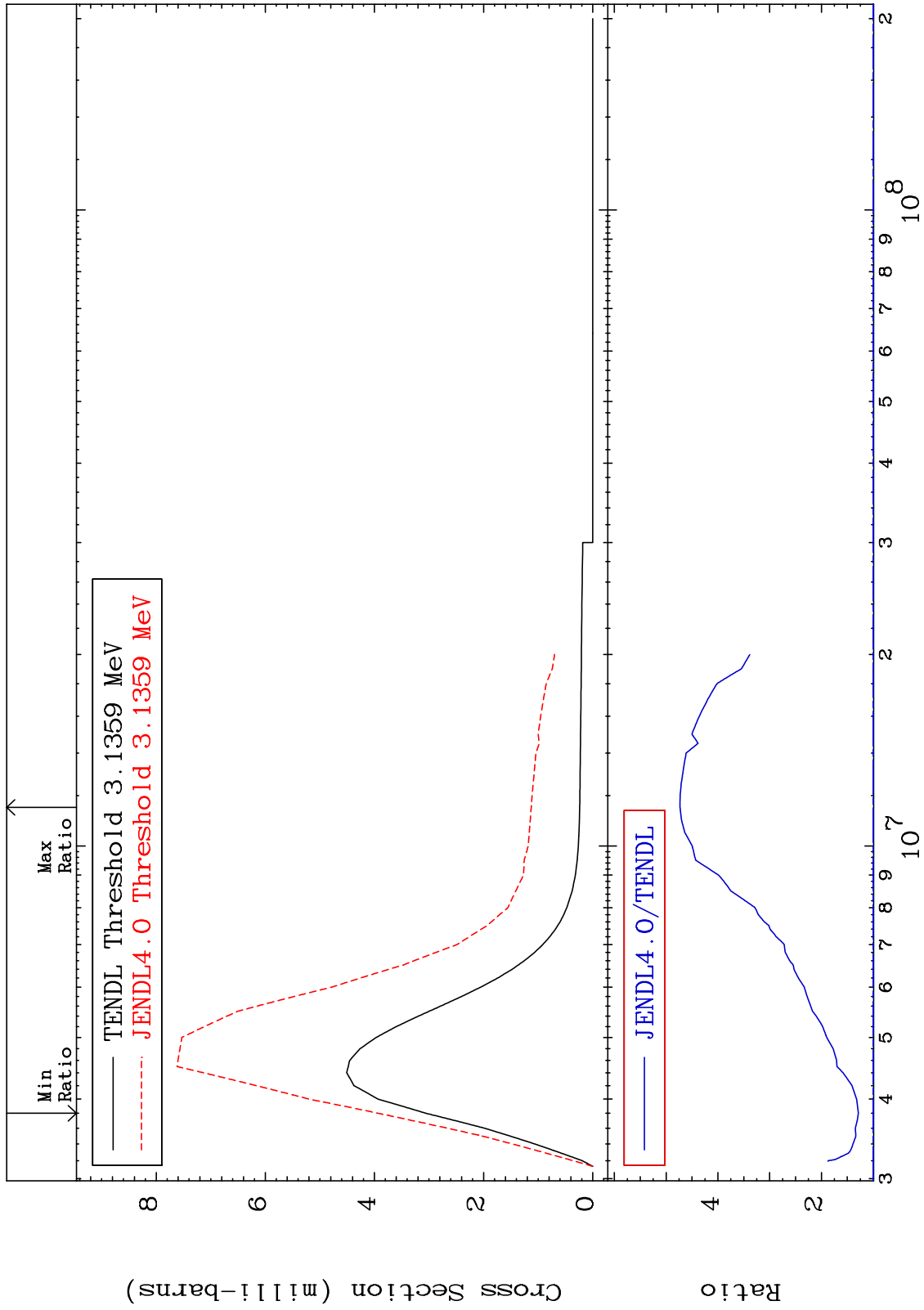
38-Sr-84
-3.296 To 143.4 %



MAT 3825 MT= 66 (n,n') Level Cross Section 38-Sr-84 13.72 To 435.7 %



MAT 3825 MT= 67 (n,n') Level Cross Section 38-Sr-84 28.56 To 373.2 %

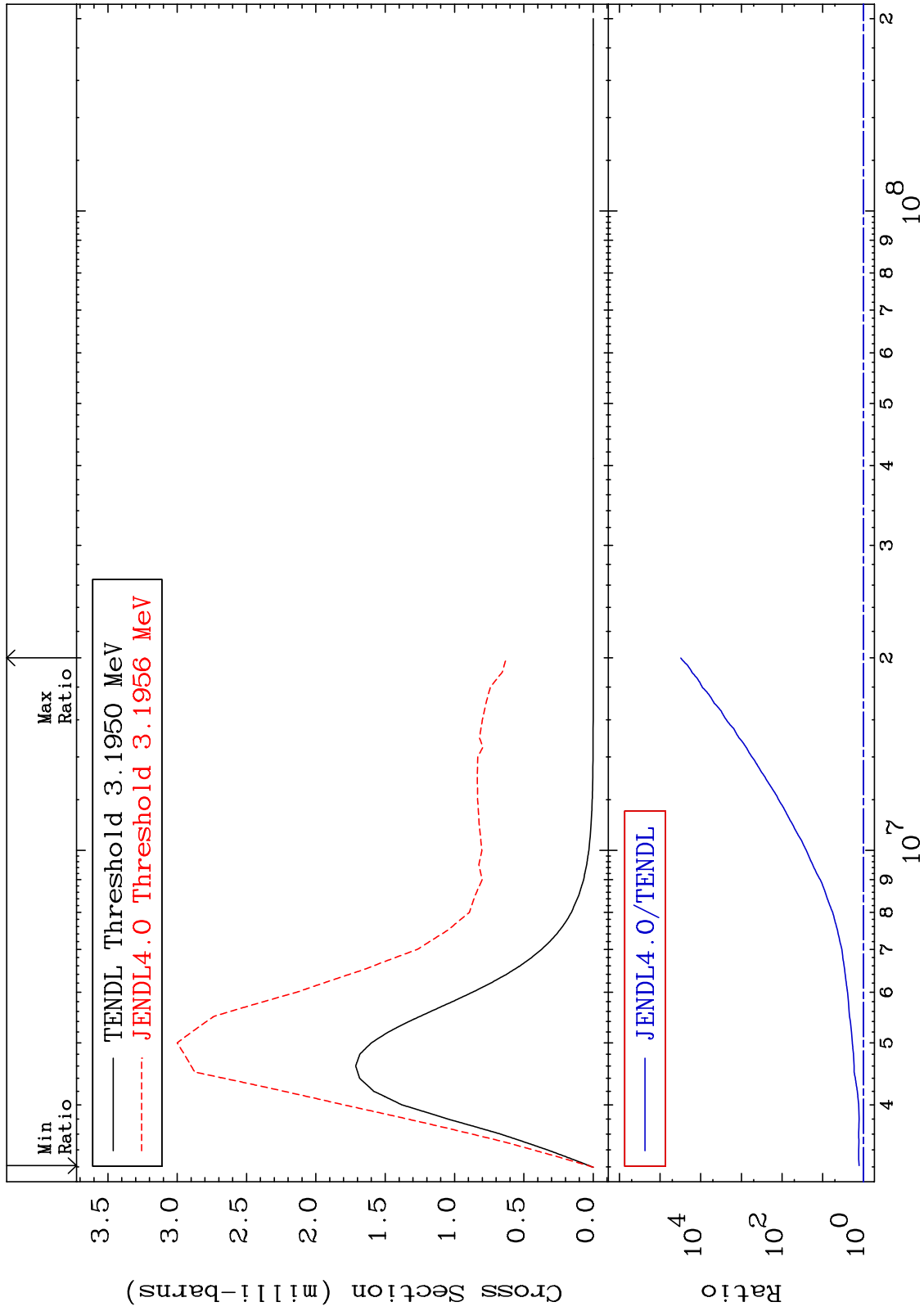


Incident Energy (eV) 38-Sr-84

MAT 3825

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

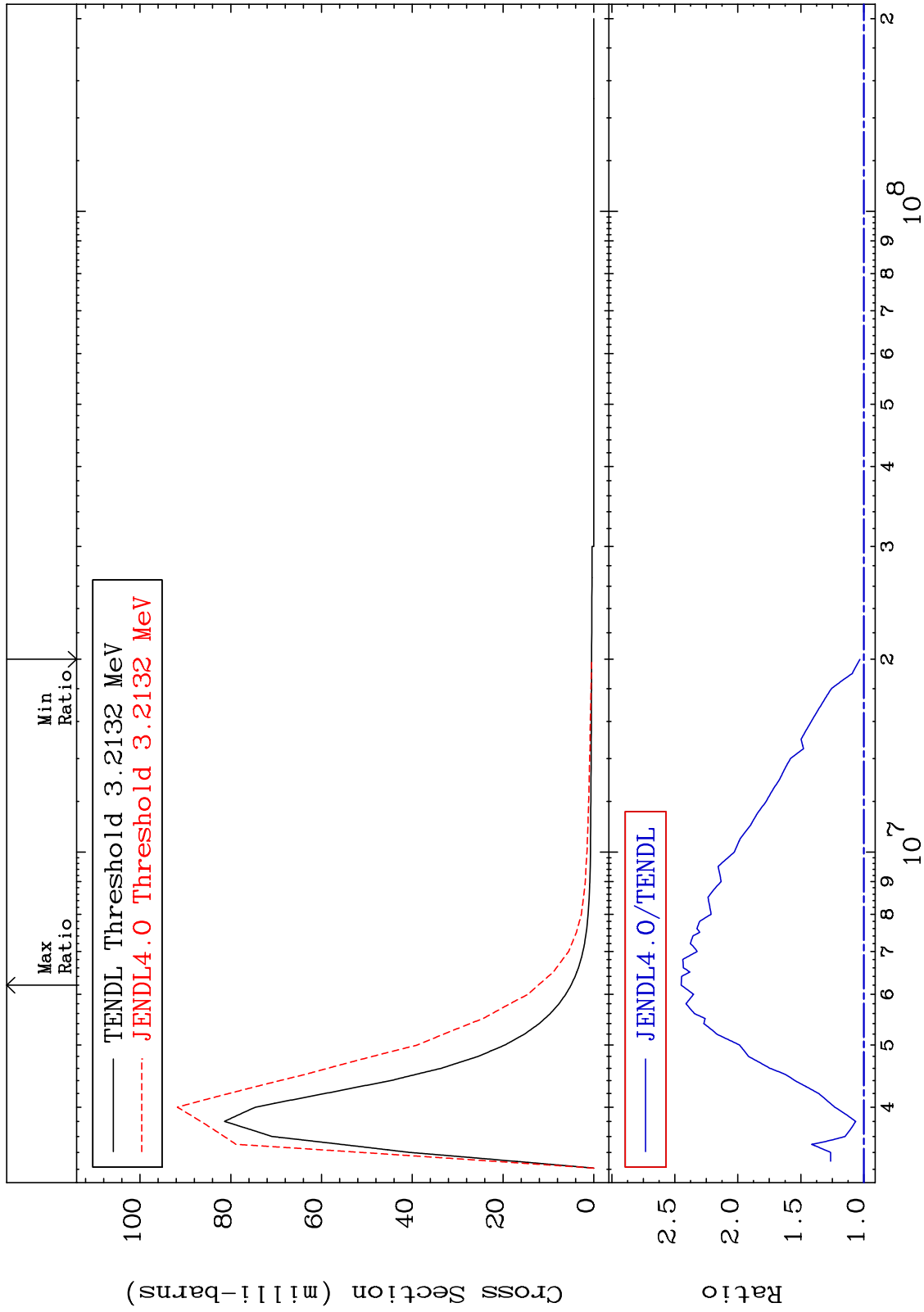
27.03 To 9999. %
38-Sr-84



MAT 3825

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

3.060 To 144.9 %
38-Sr-84



25

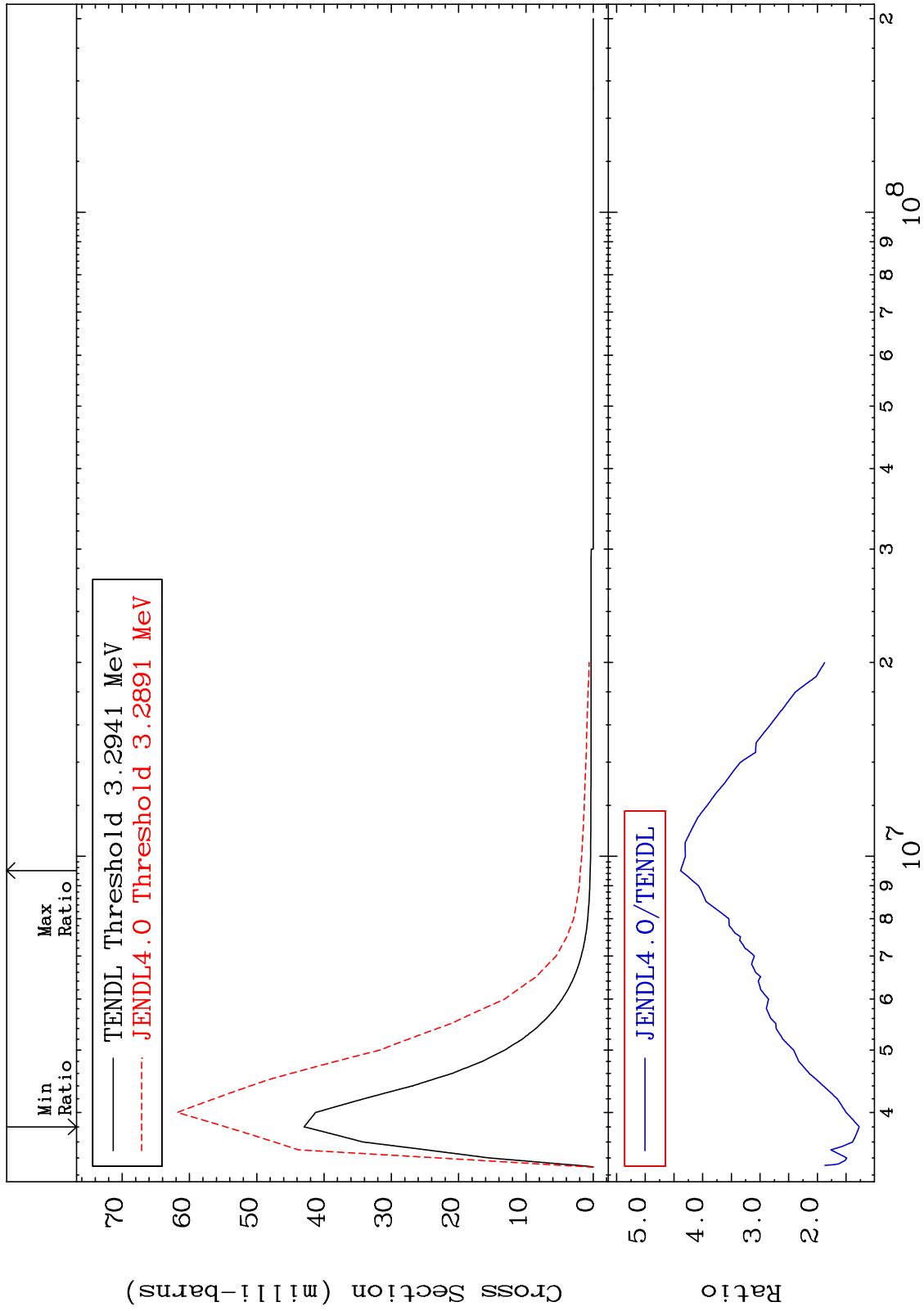
Incident Energy (eV)

38-Sr-84

MAT 3825

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

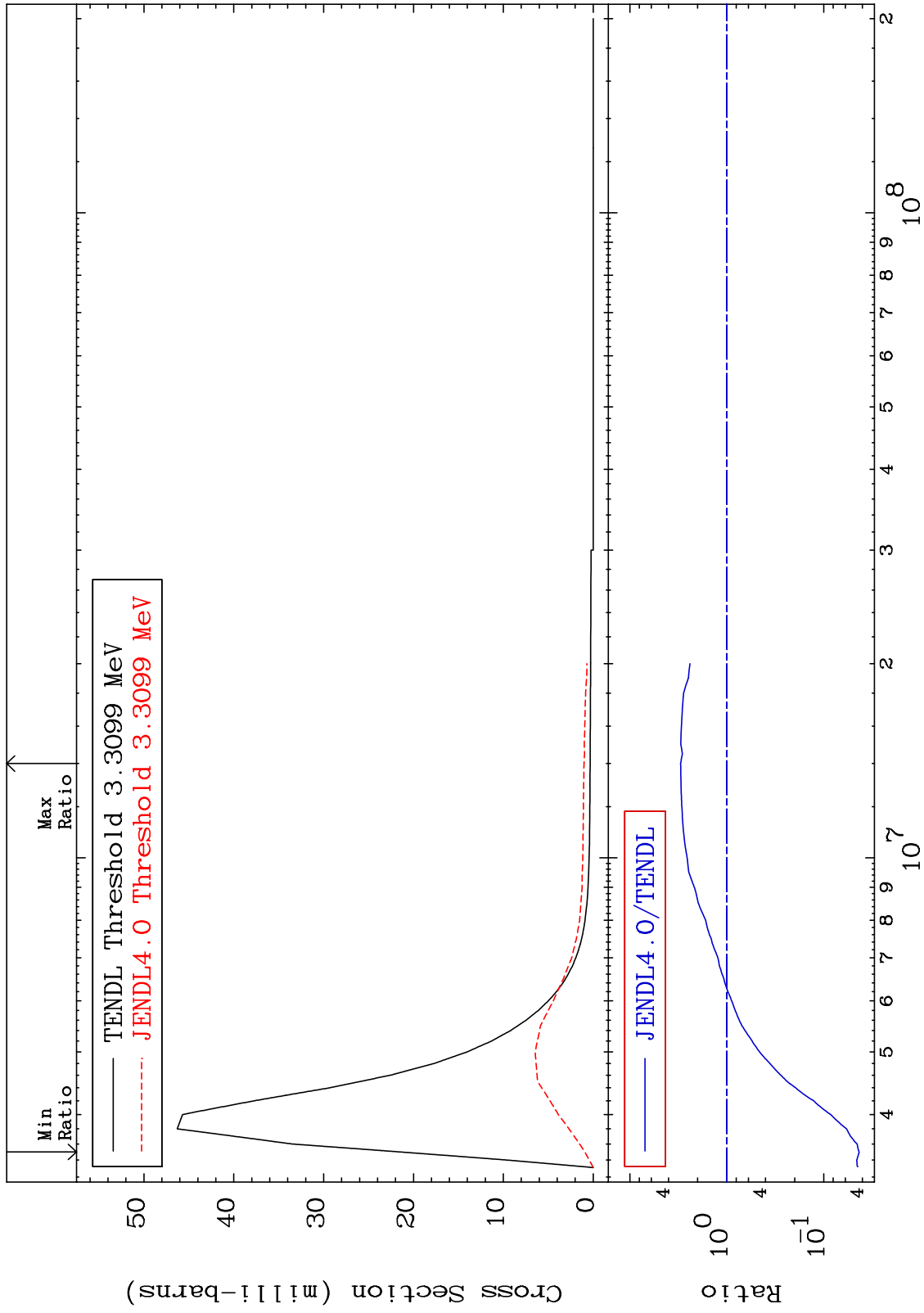
27.12 To 338.4 %
38-Sr-84



MAT 3825

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

38-Sr-84
-95.68 To 199.7 %



27

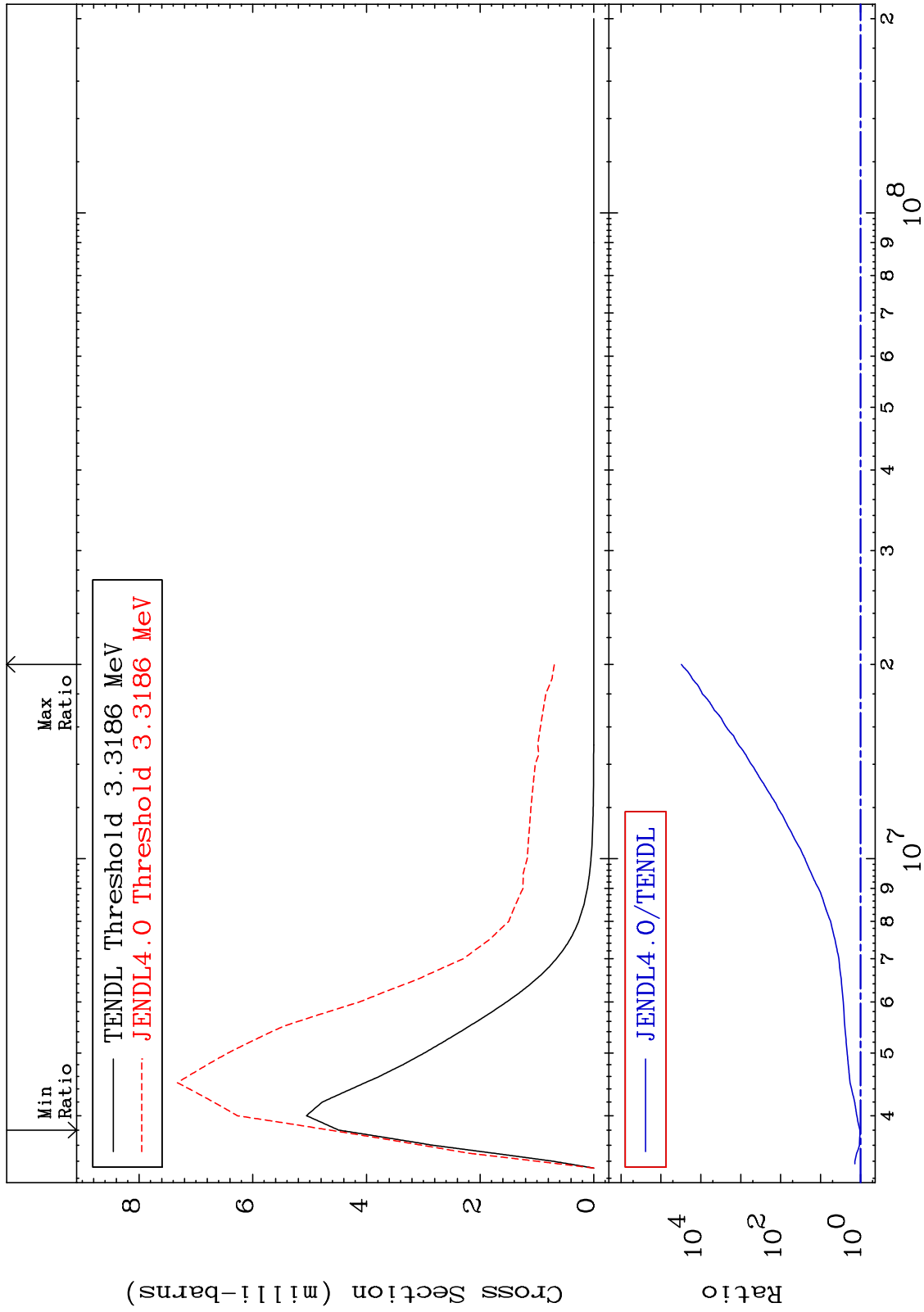
Incident Energy (eV)

38-Sr-84

MAT 3825

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

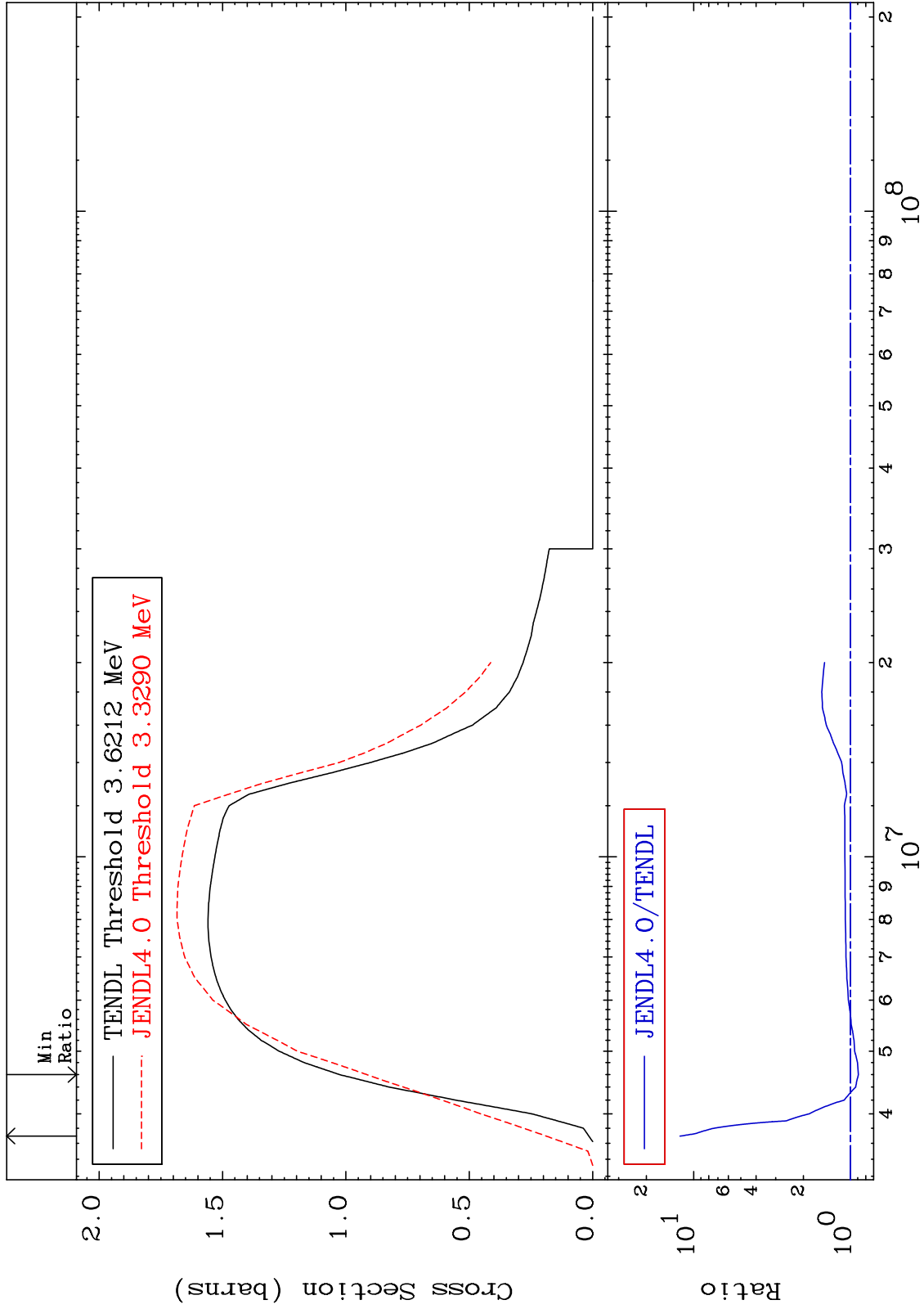
38-Sr-84
3.459 To 9999. %



MAT 3825

(n,n') Continuum
Cross Section

38-Sr-84
-10.82 To 1120. %



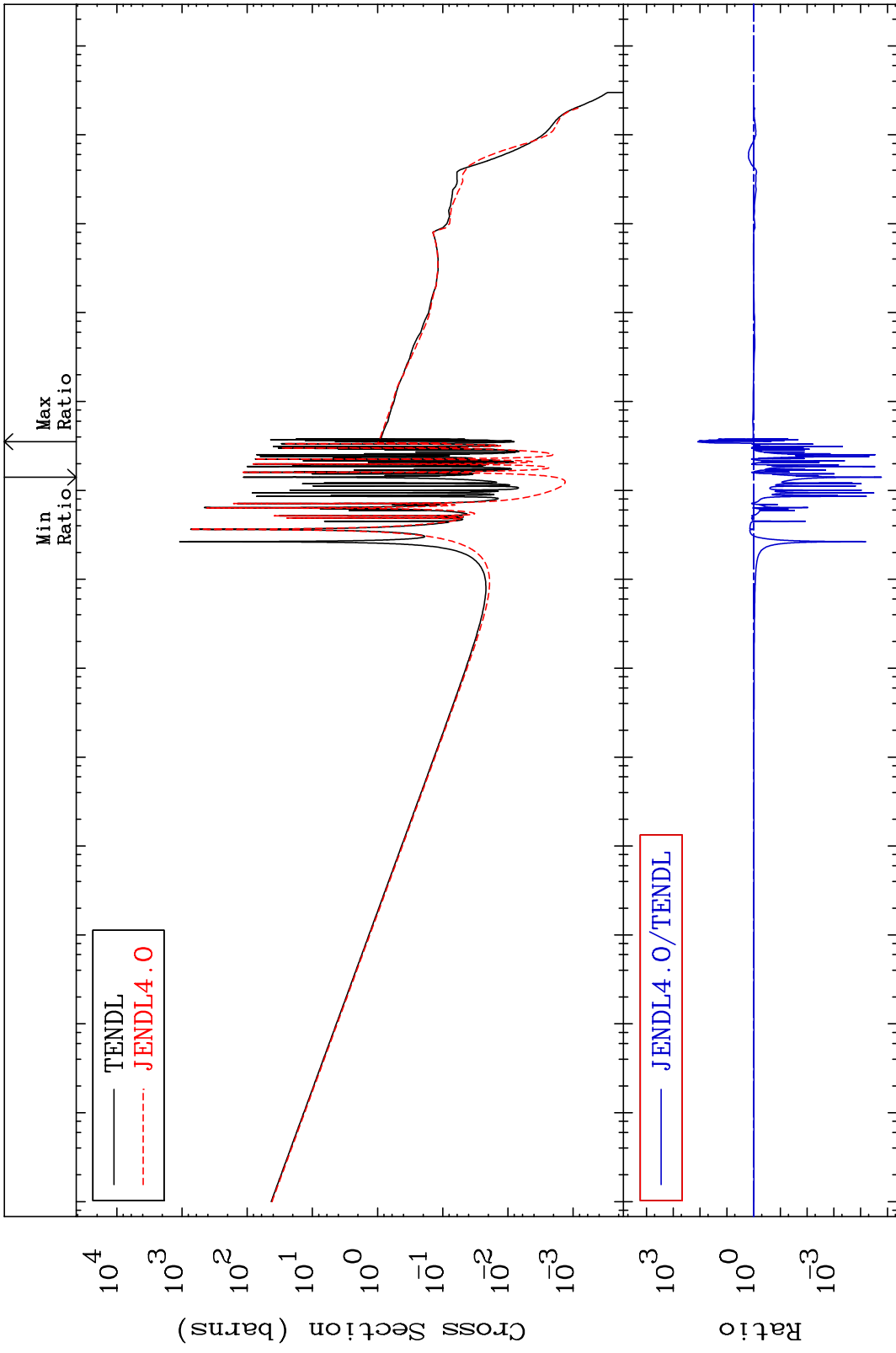
MAT 3825

38-Sr-84

(n, γ)

-100.0 To 9999. %

Cross Section



— TENDL
- - - JENDL4.0

— JENDL4.0/TENDL

30

Incident Energy (eV)

38-Sr-84

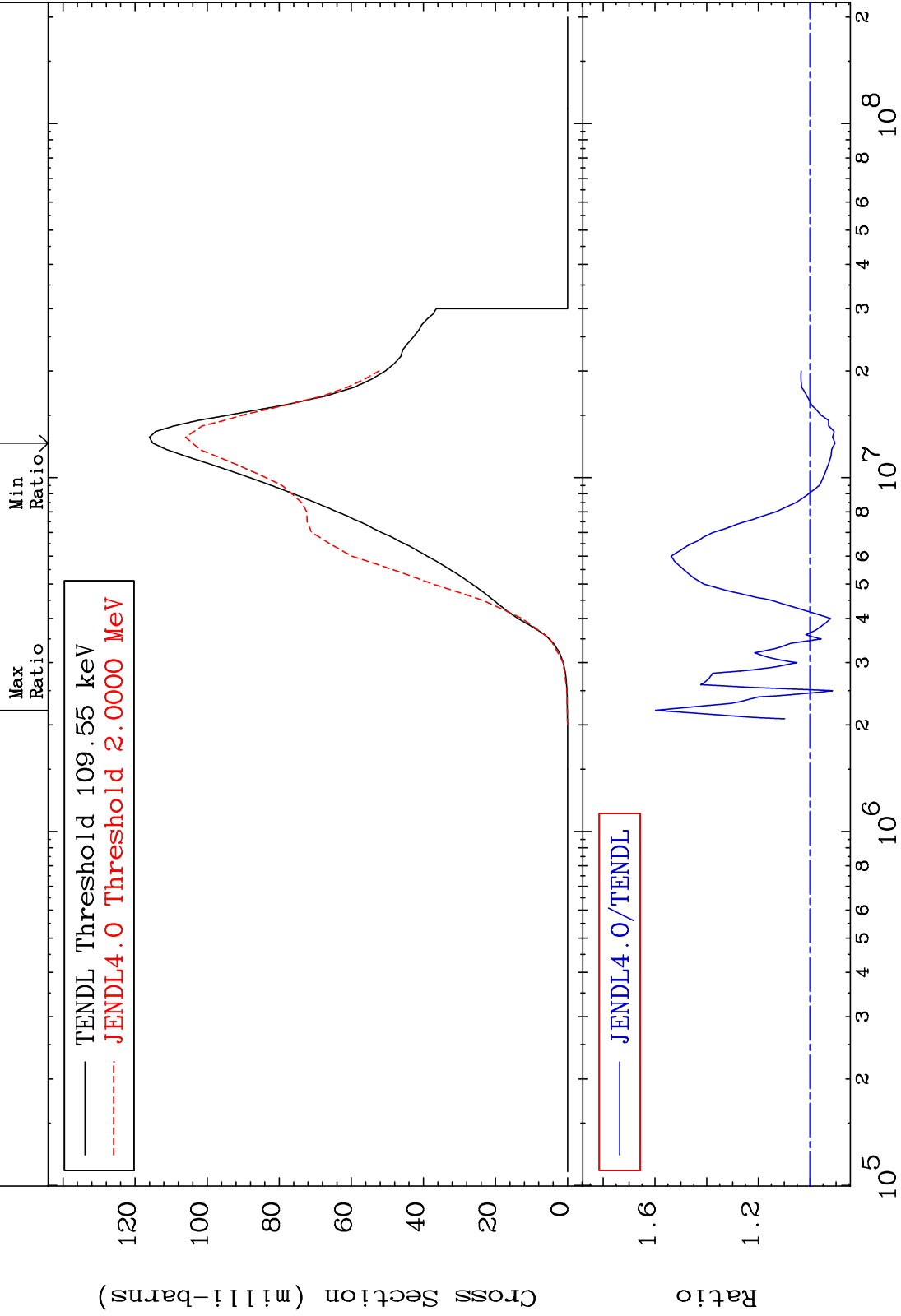
MAT 3825

38-Sr-84

(n,p) -9.600 To 59.81 %

Cross Section

(n,p)



38-Sr-84

Incident Energy (eV)

31

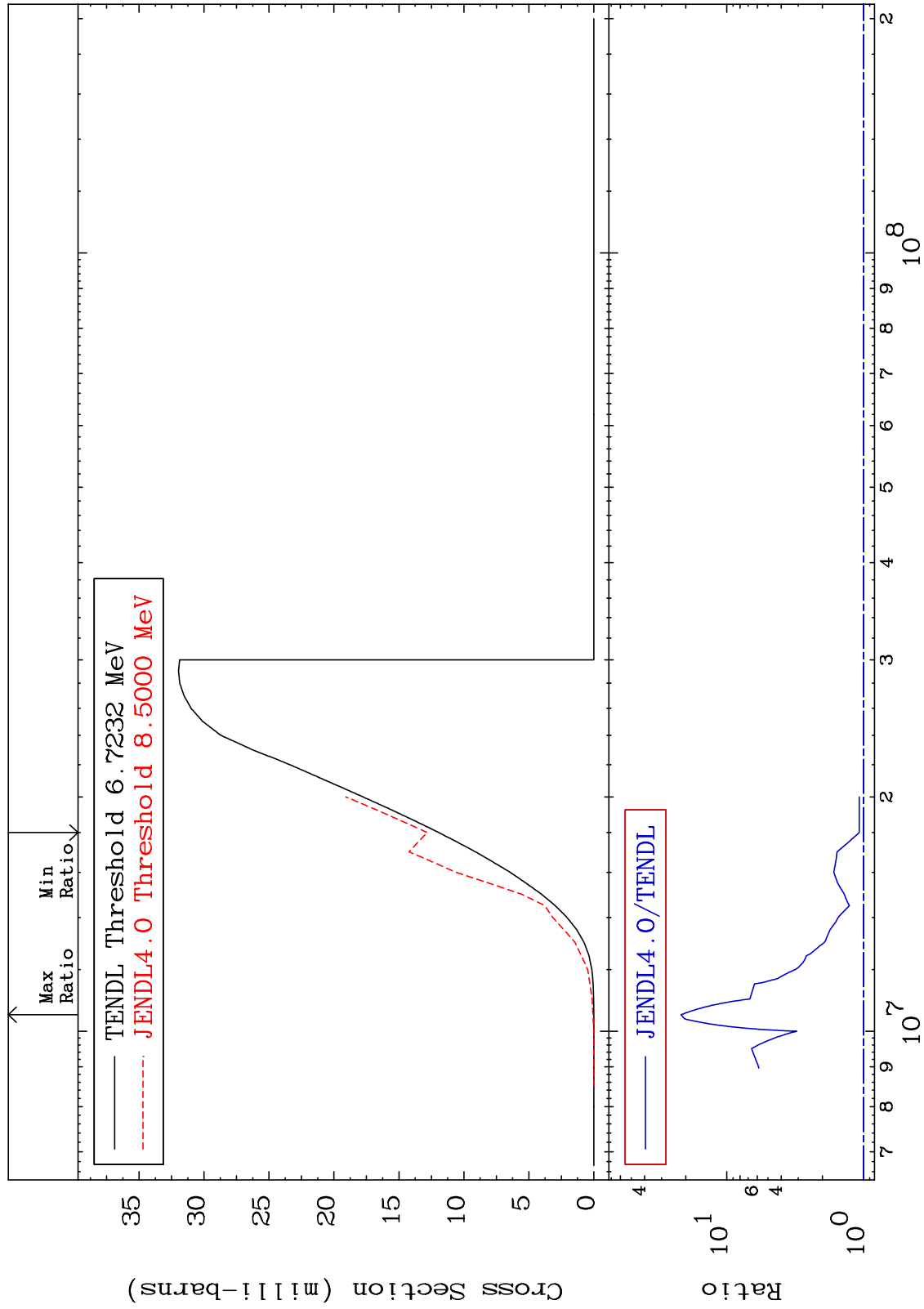
MAT 3825

(n,d)

38-Sr-84

Cross Section

7.402 To 2062. %



32

Incident Energy (eV)

38-Sr-84

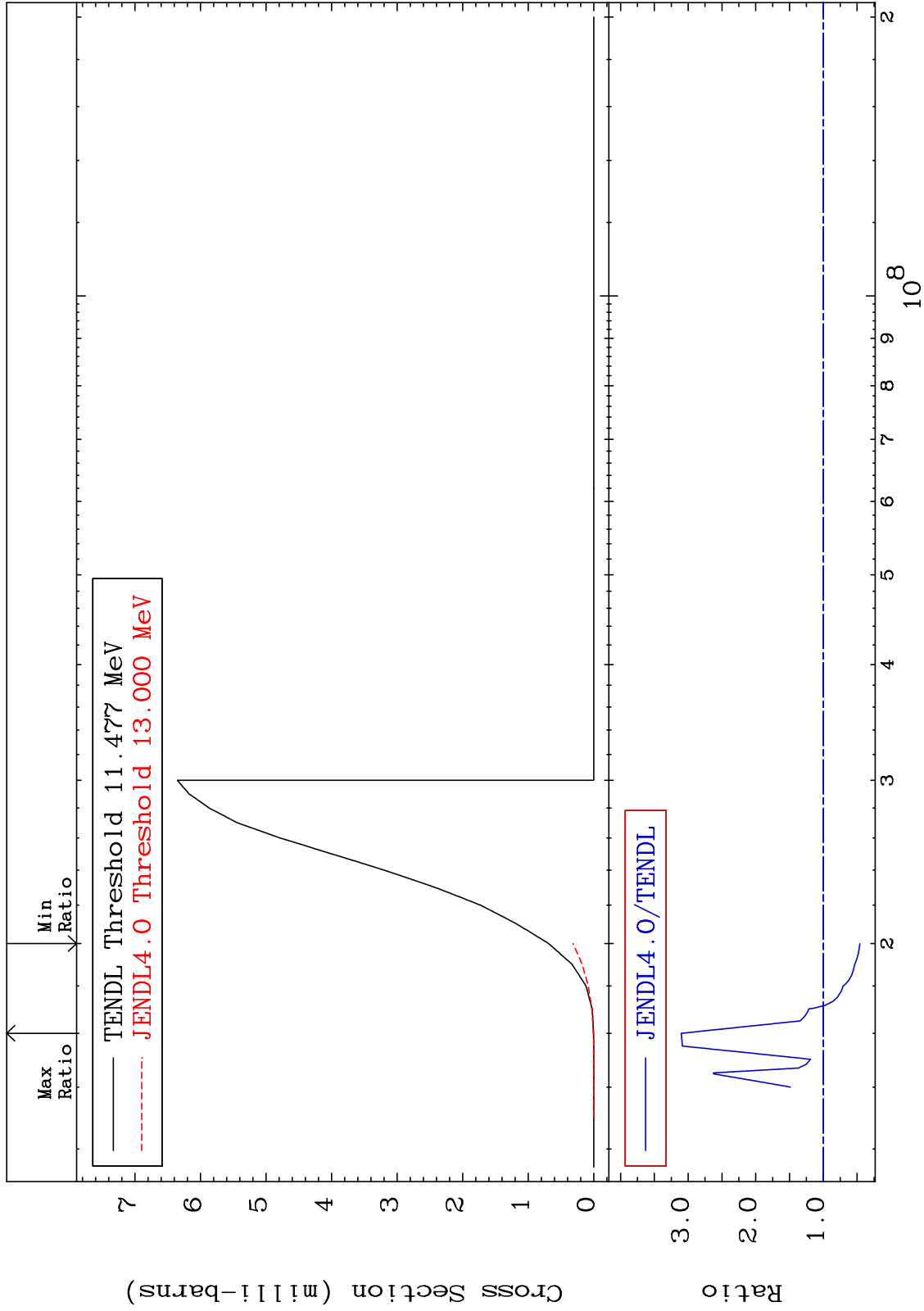
MAT 3825

(n, t)

38-Sr-84

Cross Section

-54.17 To 210.3 %



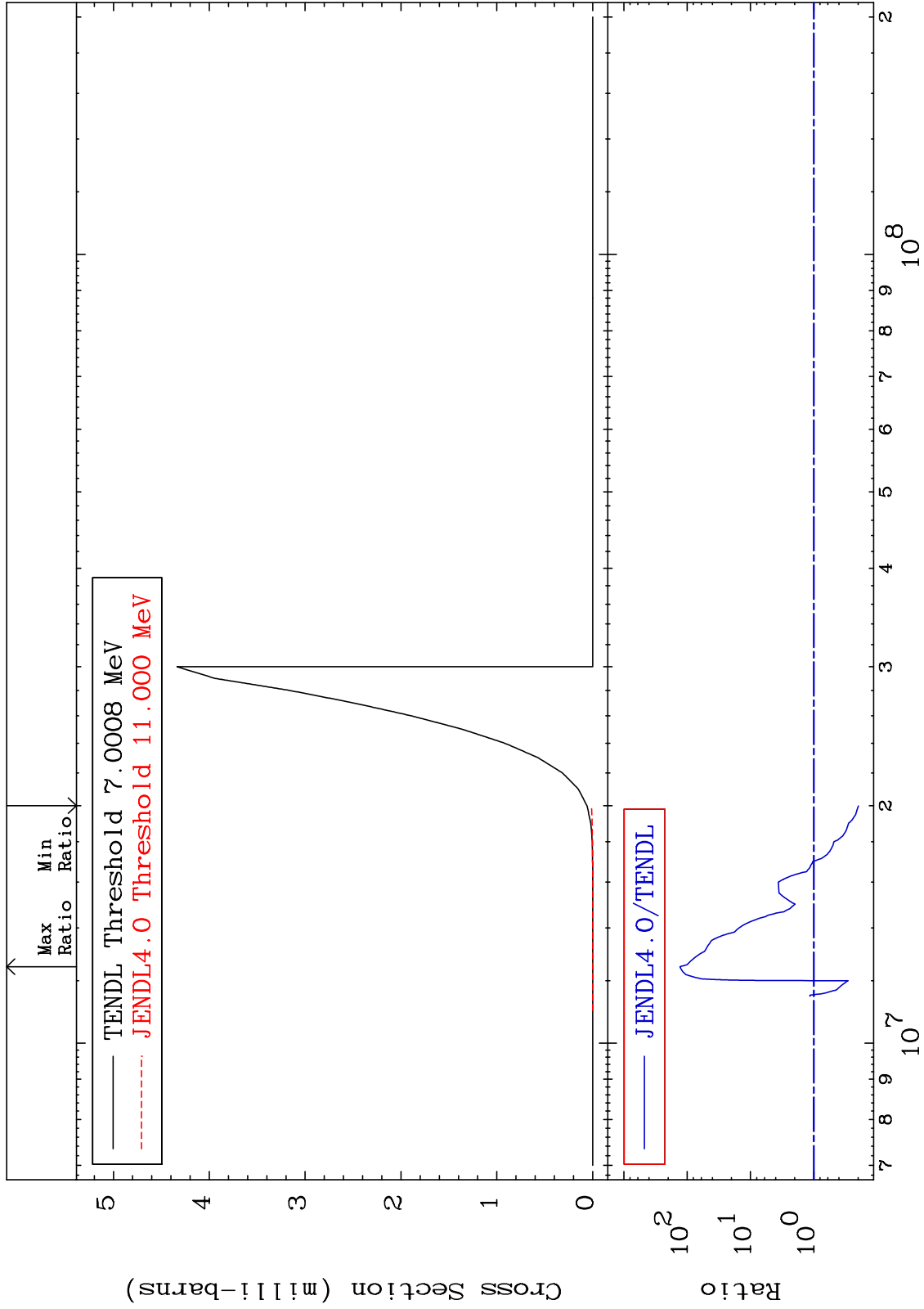
MAT 3825

(n, He-3)

38-Sr-84

Cross Section

-80.25 To 9999. %



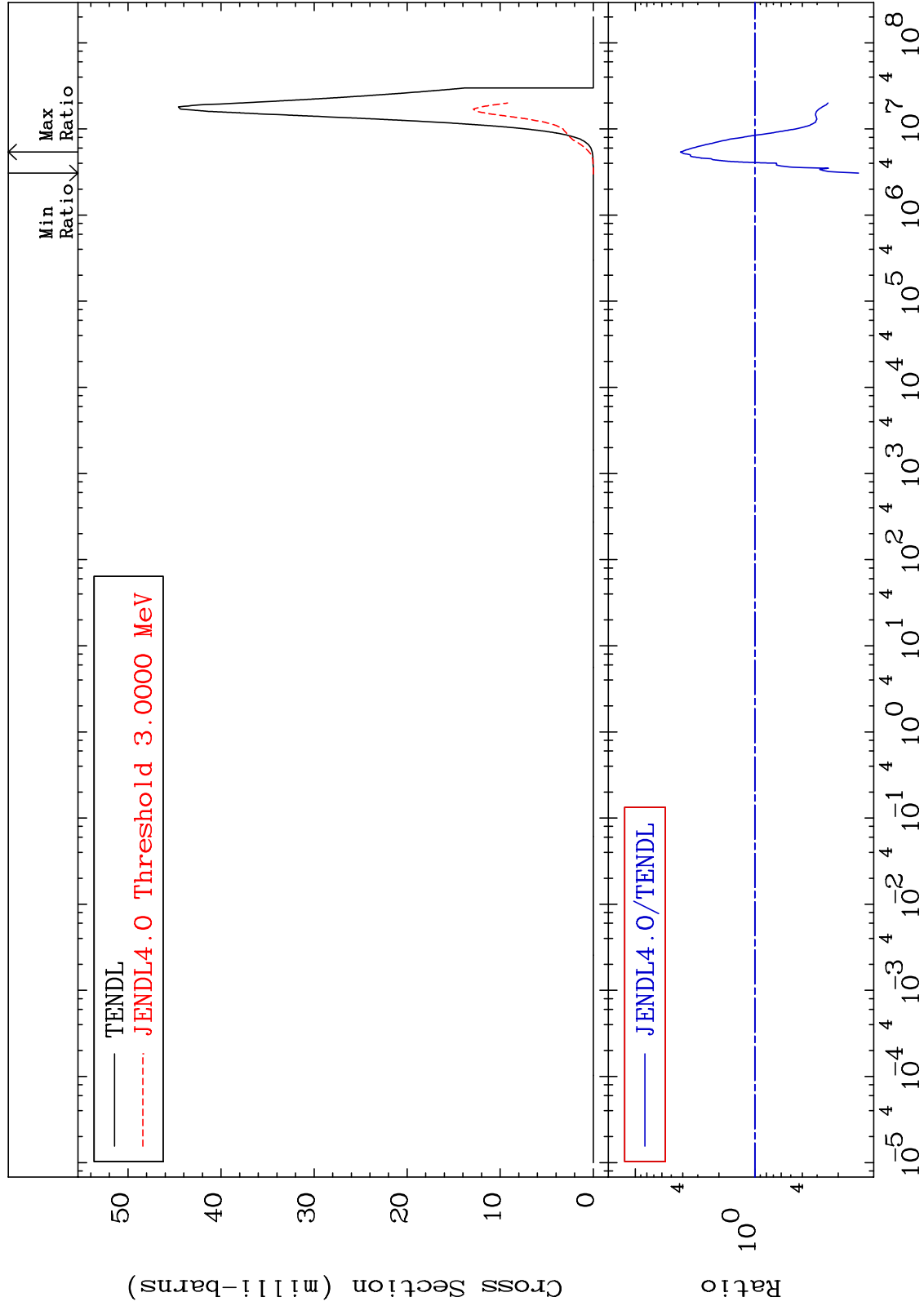
MAT 3825

(n, α)

38-Sr-84

Cross Section

-86.48 To 319.2 %



35

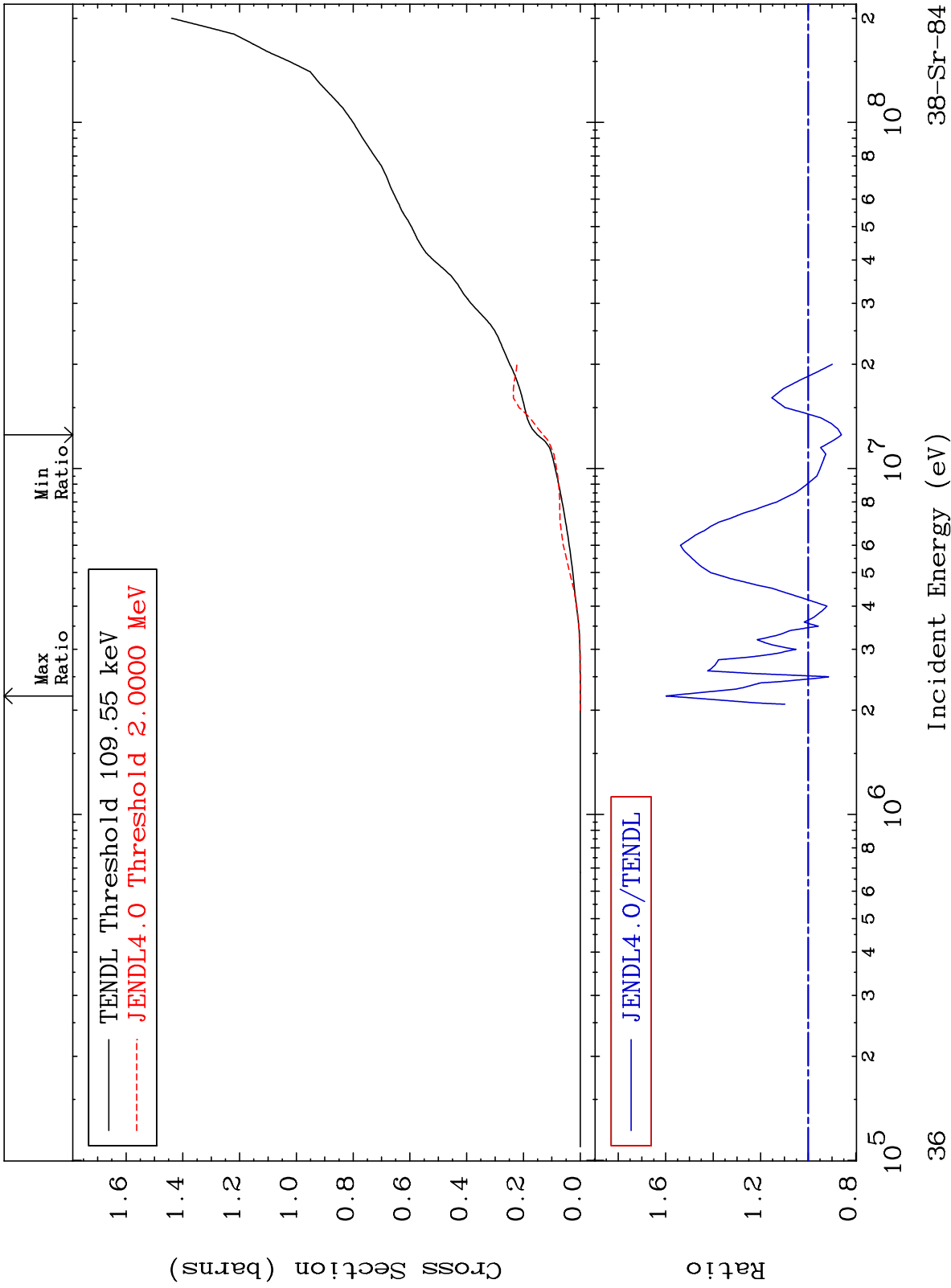
Incident Energy (eV)

38-Sr-84

MAT 3825

Hydrogen Production
Cross Section

38-Sr-84
-14.00 To 59.81 %



36

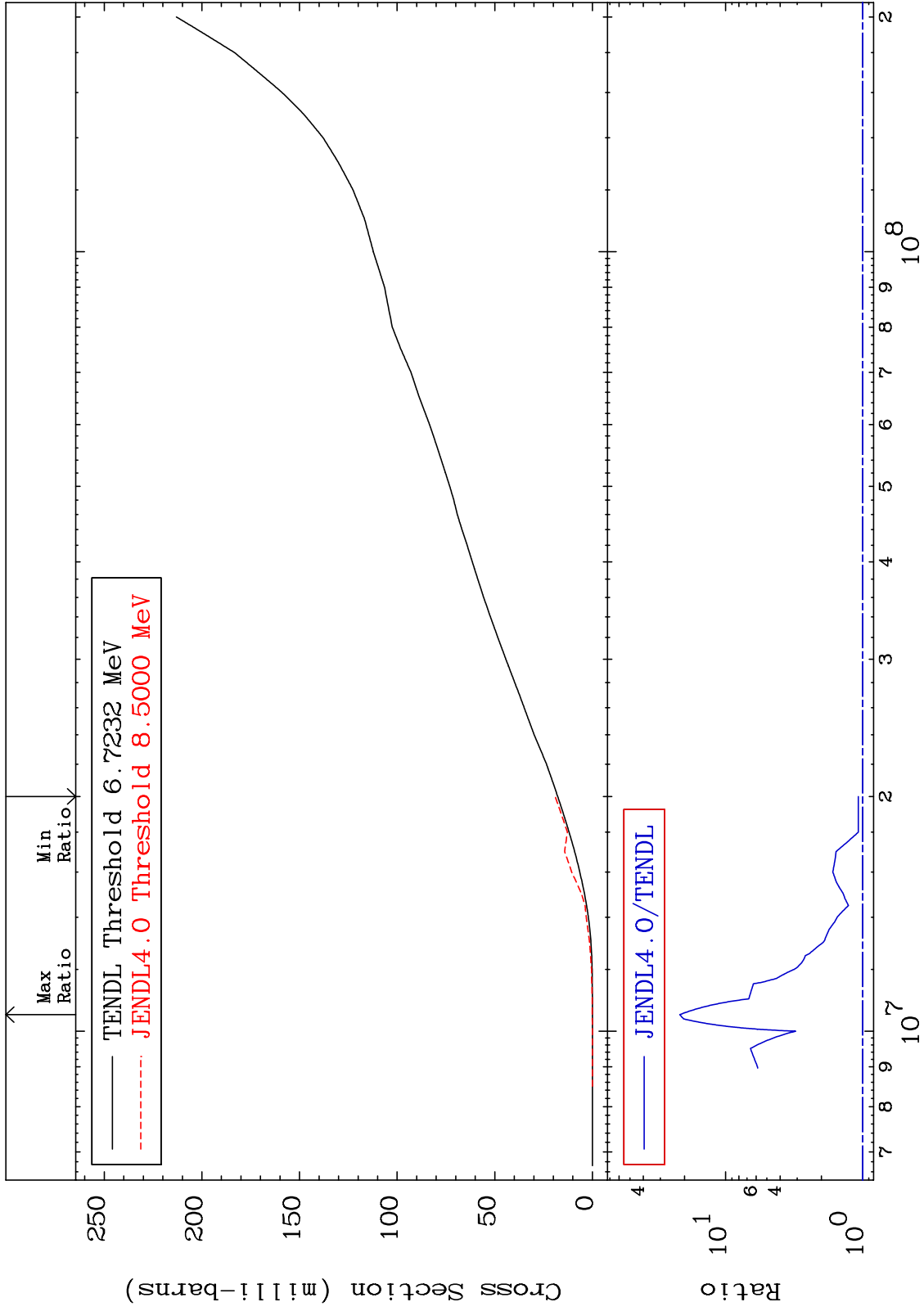
Incident Energy (eV)

38-Sr-84

MAT 3825

Deuterium Production
Cross Section

38-Sr-84
7.391 To 2062. %



37

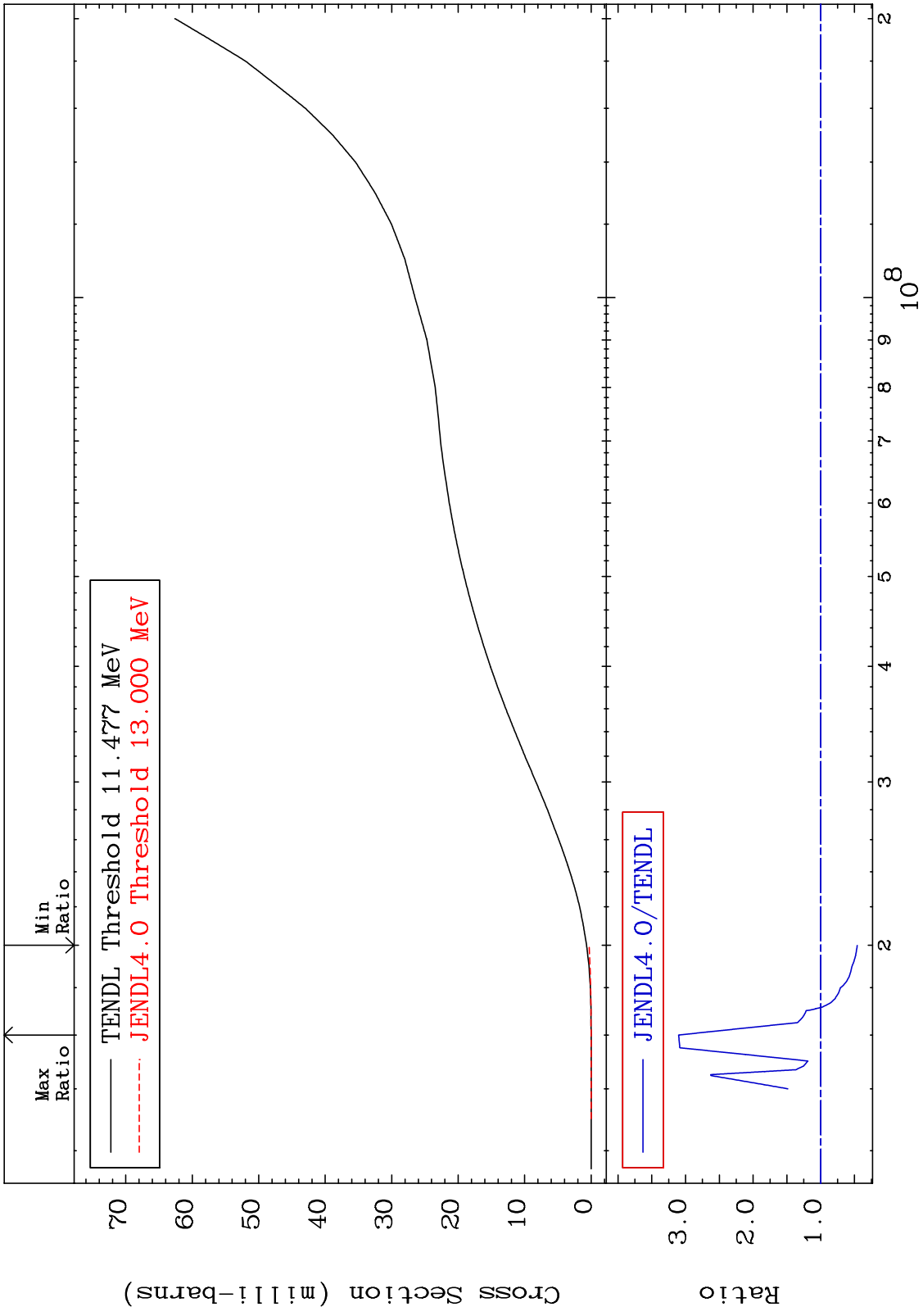
Incident Energy (eV)

38-Sr-84

MAT 3825

Tritium Production
Cross Section

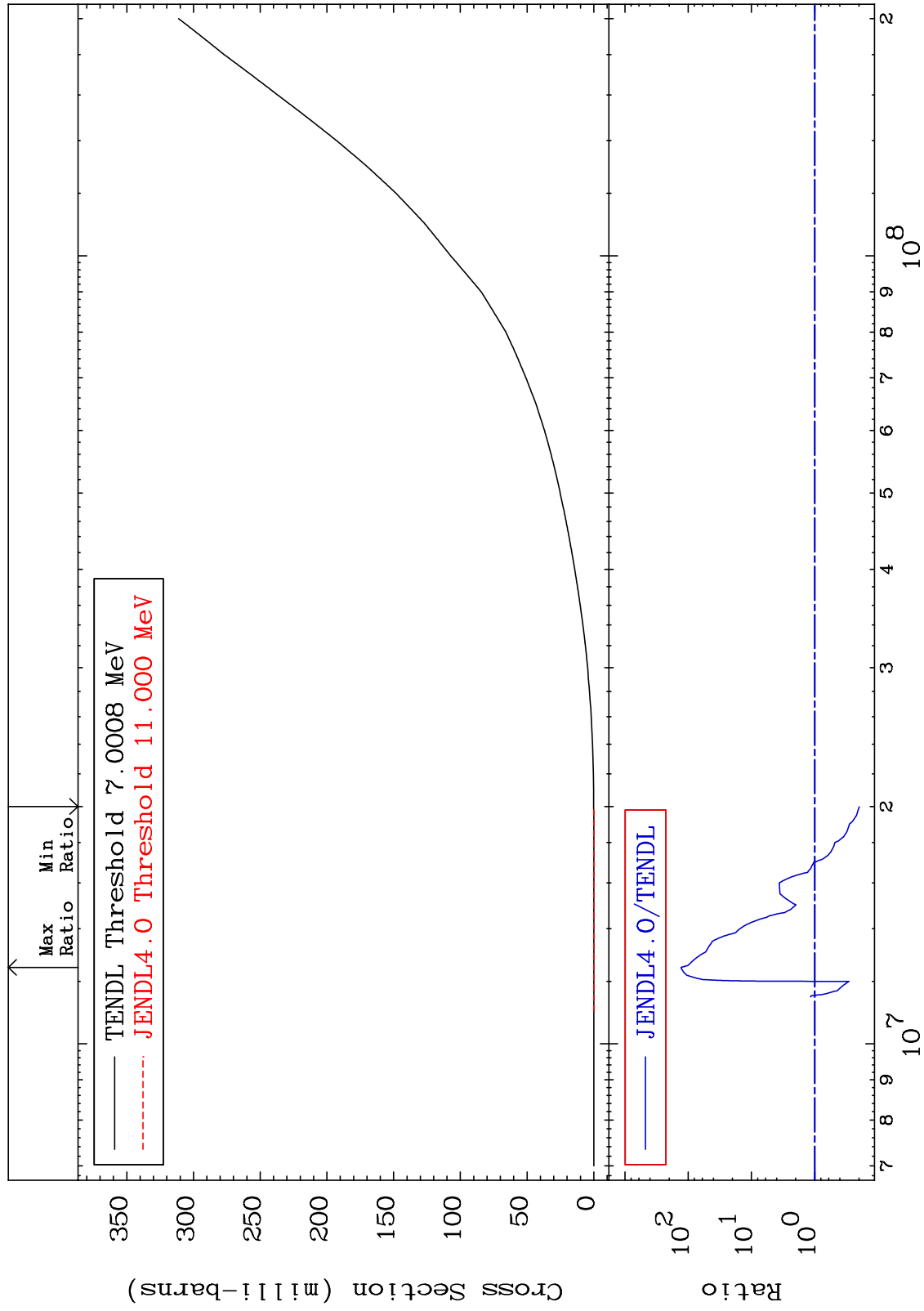
38-Sr-84
-54.17 To 210.3 %



MAT 3825

He-3 Production
Cross Section

38-Sr-84
-80.25 To 9999. %



39

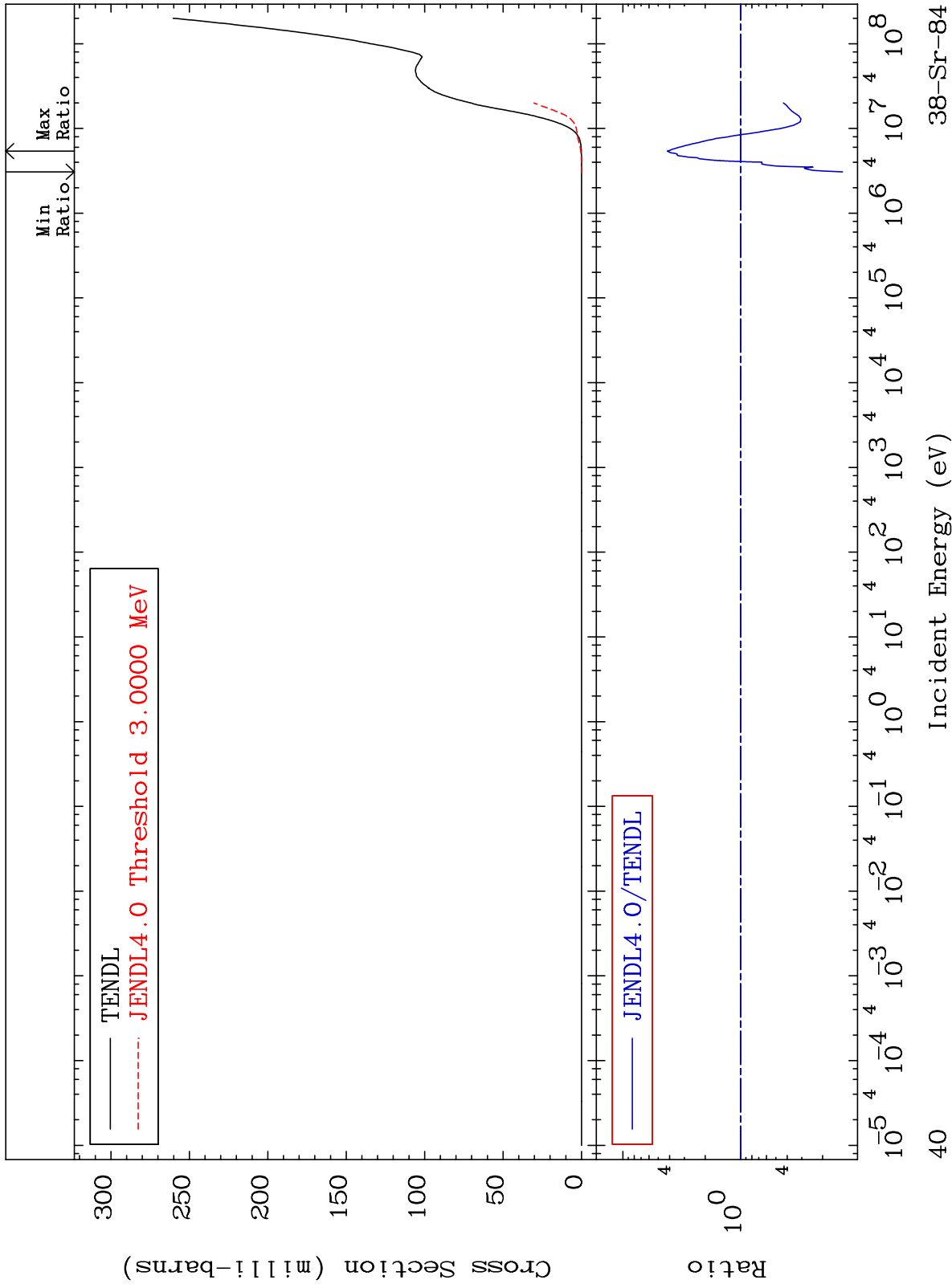
Incident Energy (eV)

38-Sr-84

MAT 3825

He-4 Production
Cross Section

38-Sr-84
-86.48 To 319.2 %



38-Sr-84

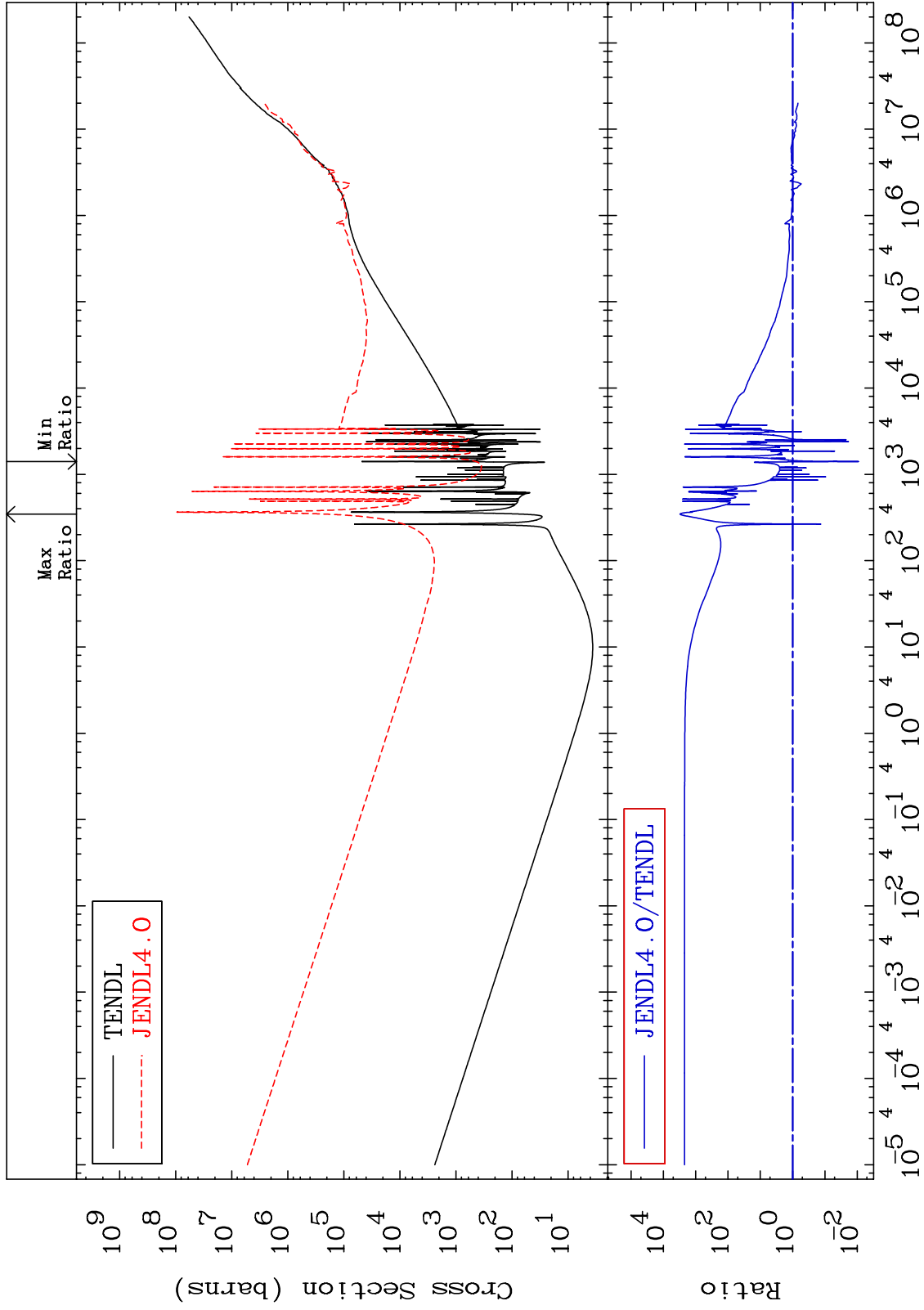
Incident Energy (eV)

40

MAT 3825

Kerma total (eV-barns)
Cross Section

38-Sr-84
-99.08 To 9999. %



JENDL4.0/TENDL

41

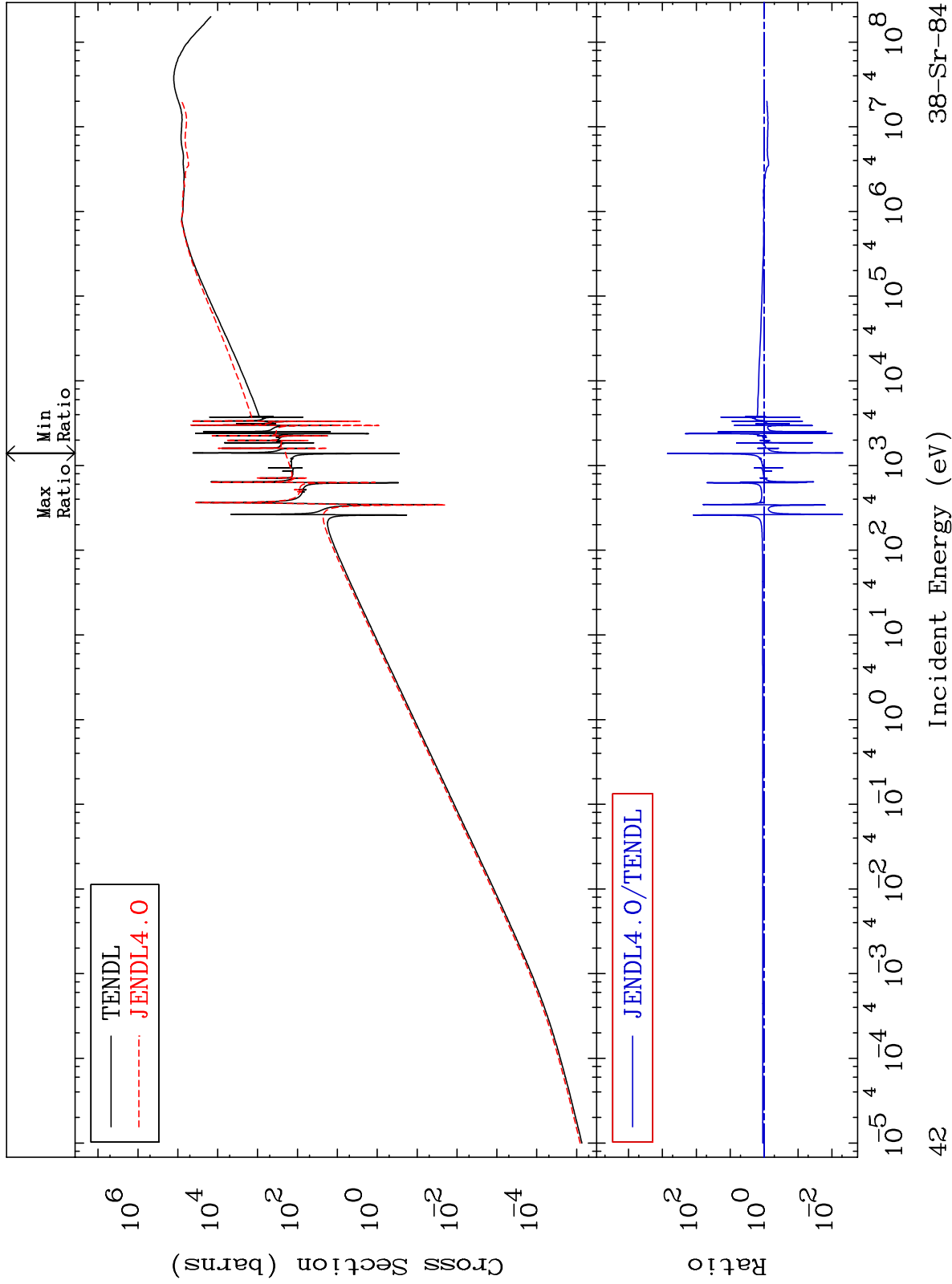
Incident Energy (eV)

38-Sr-84

MAT 3825

Kerma elastic
Cross Section

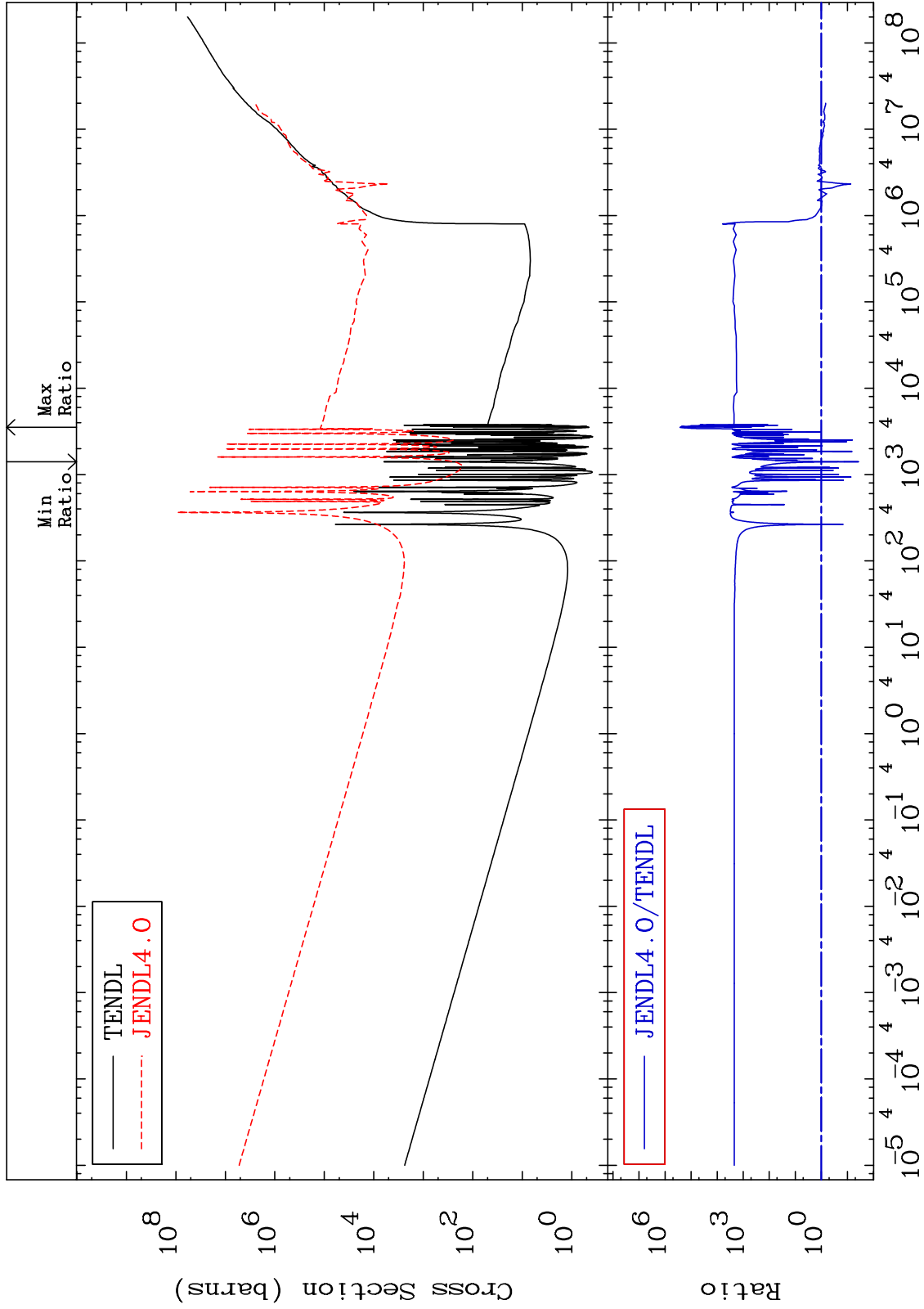
38-Sr-84
-99.52 To 9999. %



MAT 3825

Kerma non-elastic (all but mt2)
Cross Section

38-Sr-84
-96.23 To 9999. %



43

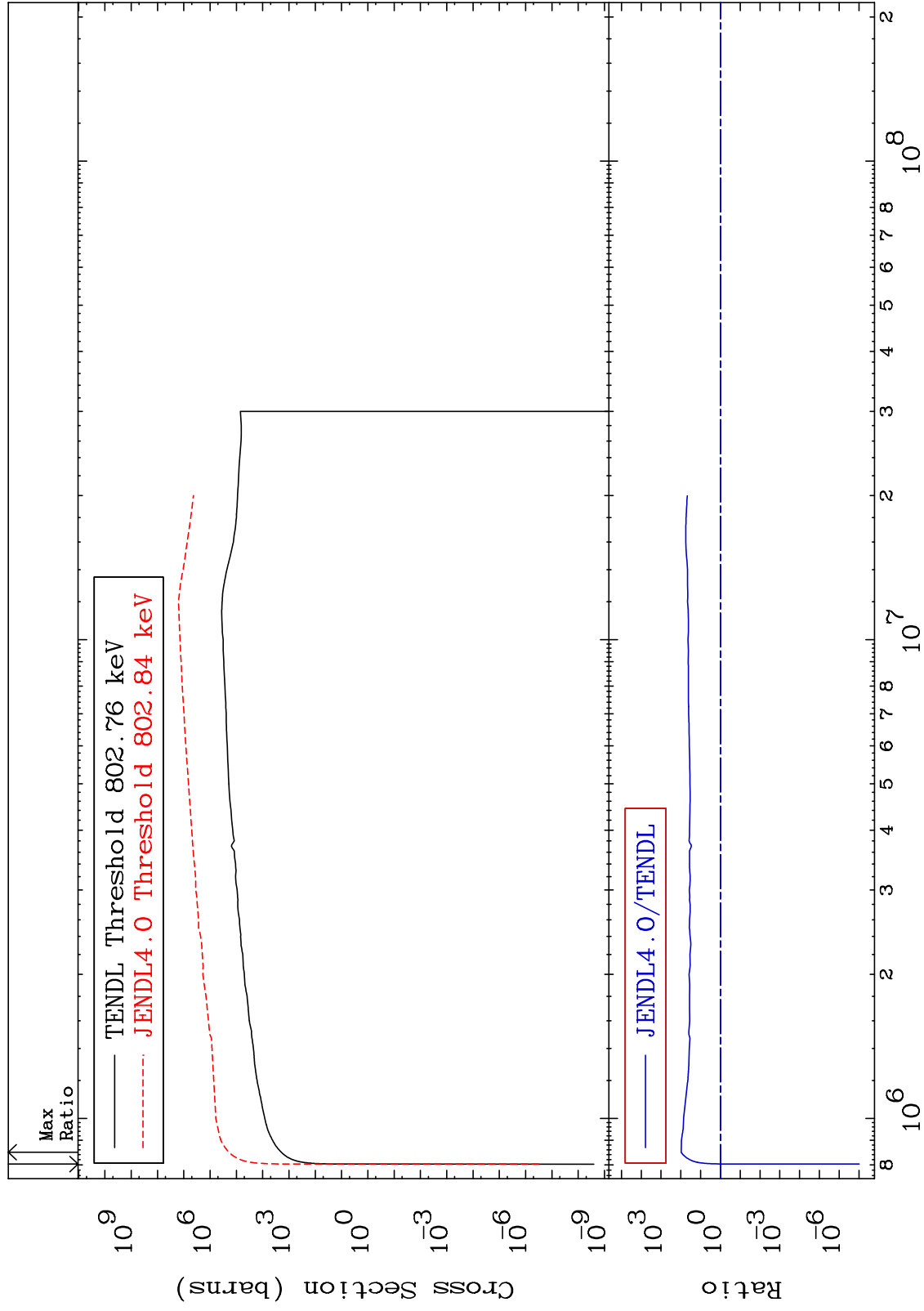
Incident Energy (eV)

38-Sr-84

MAT 3825

Kerma inelastic (mt51-91)
Cross Section

38-Sr-84
-100.0 To 9644. %



44

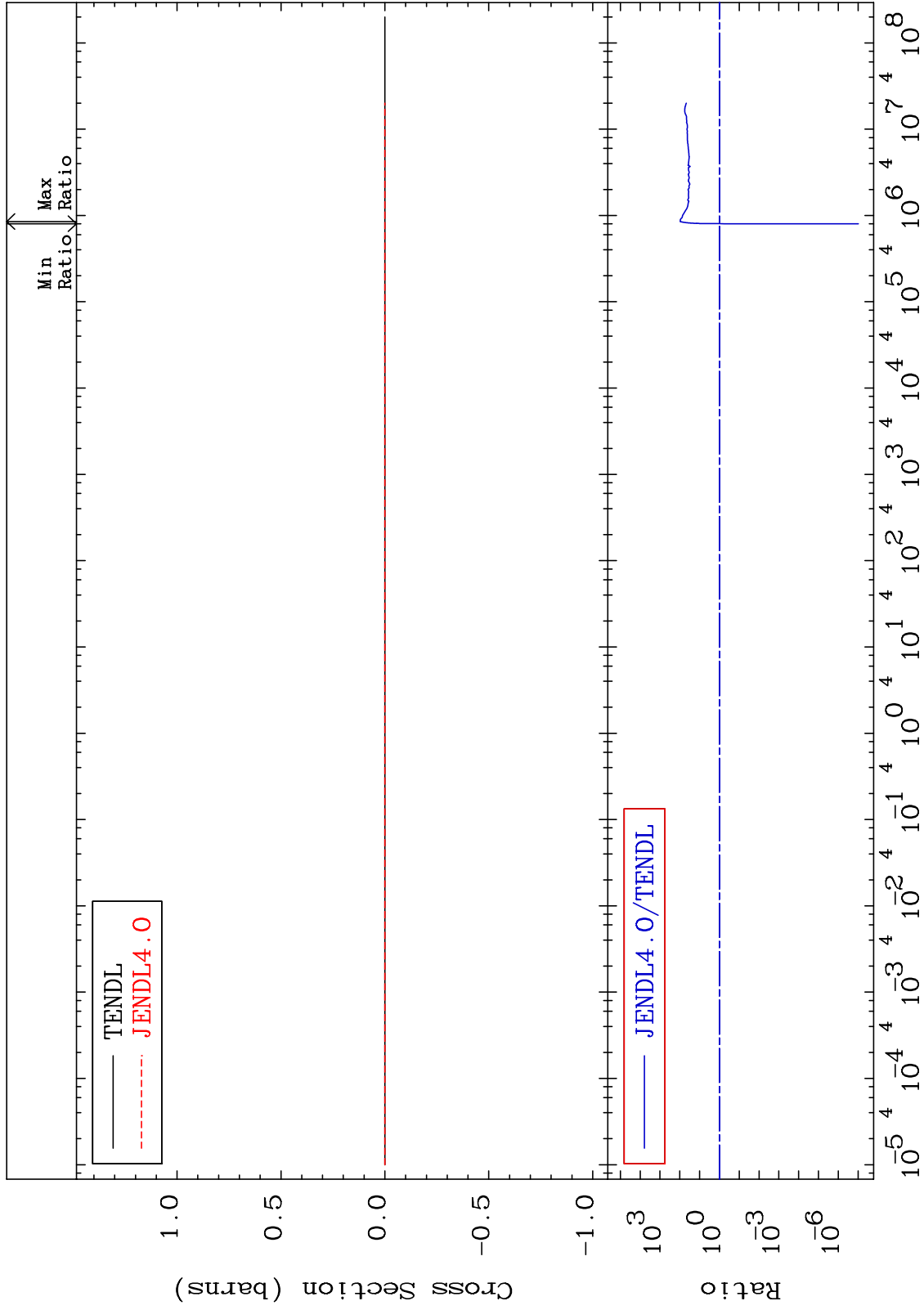
38-Sr-84

38-Sr-84

MAT 3825

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

38-Sr-84
-100.0 To 9644. %



45

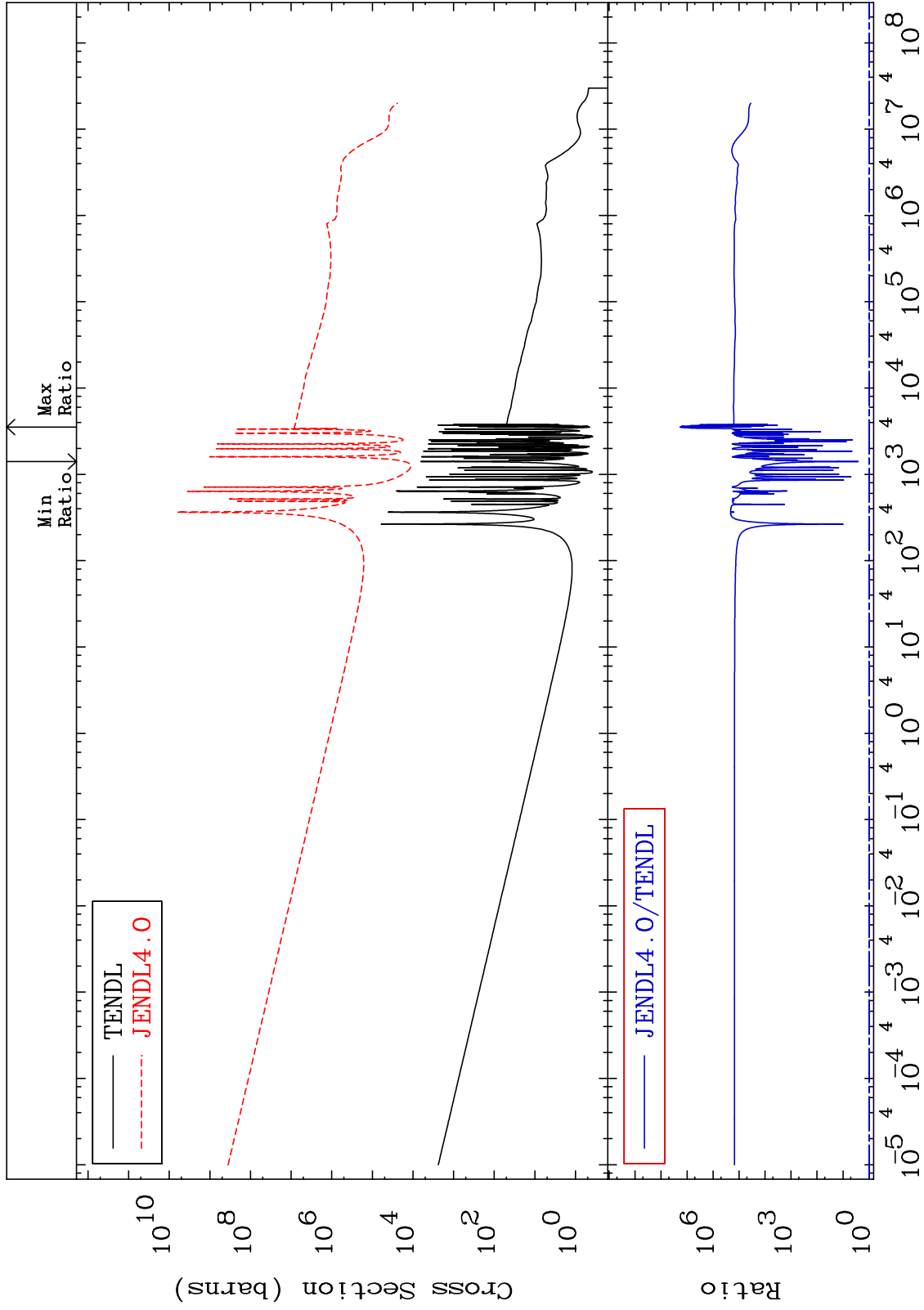
Incident Energy (eV)

38-Sr-84

MAT 3825

Kerma capture (mt102)
Cross Section

38-Sr-84
155.7 To 9999. %



46

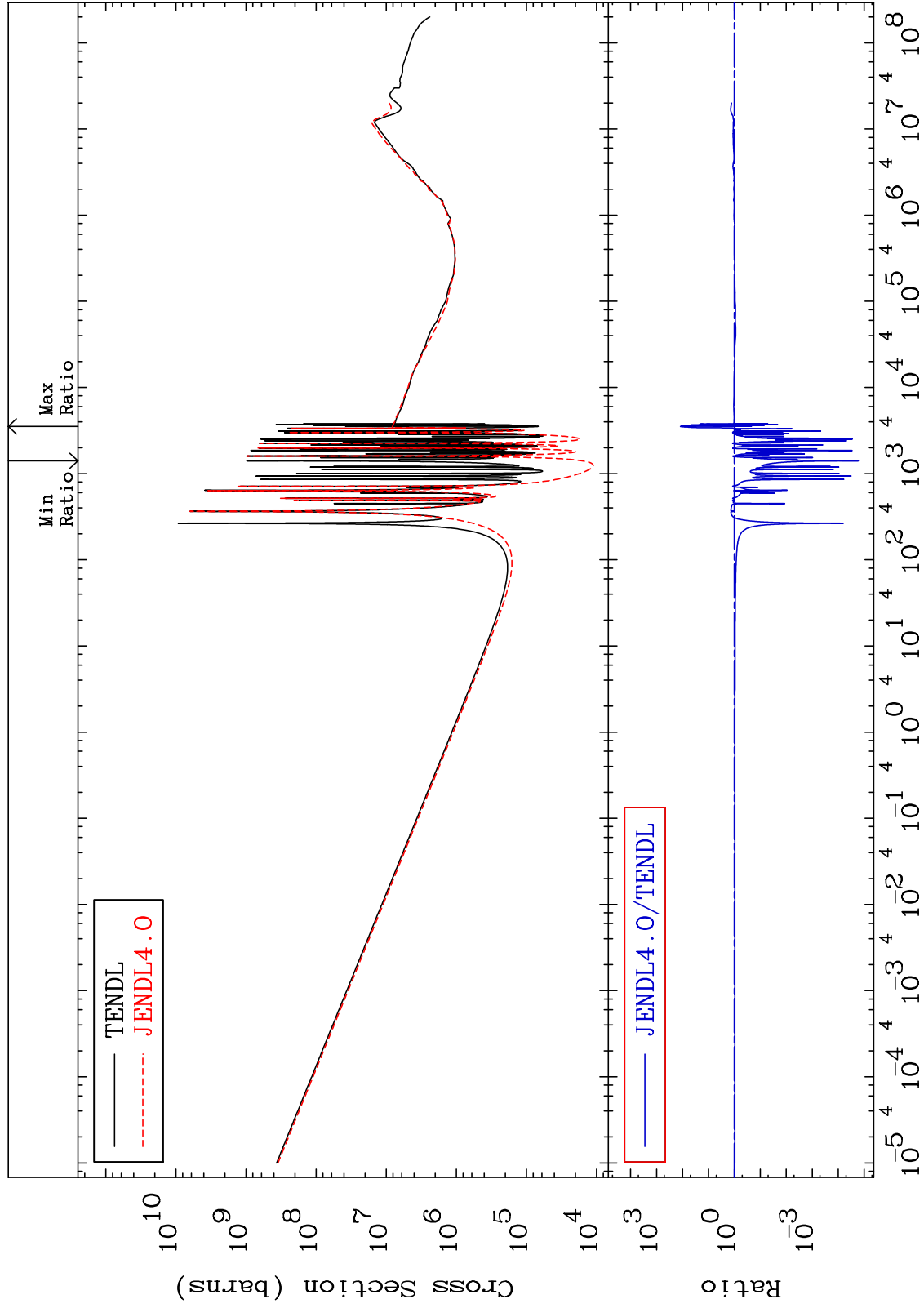
Incident Energy (eV)

38-Sr-84

MAT 3825

Total photon (eV-barns)
Cross Section

38-Sr-84
-100.0 To 9999. %



47

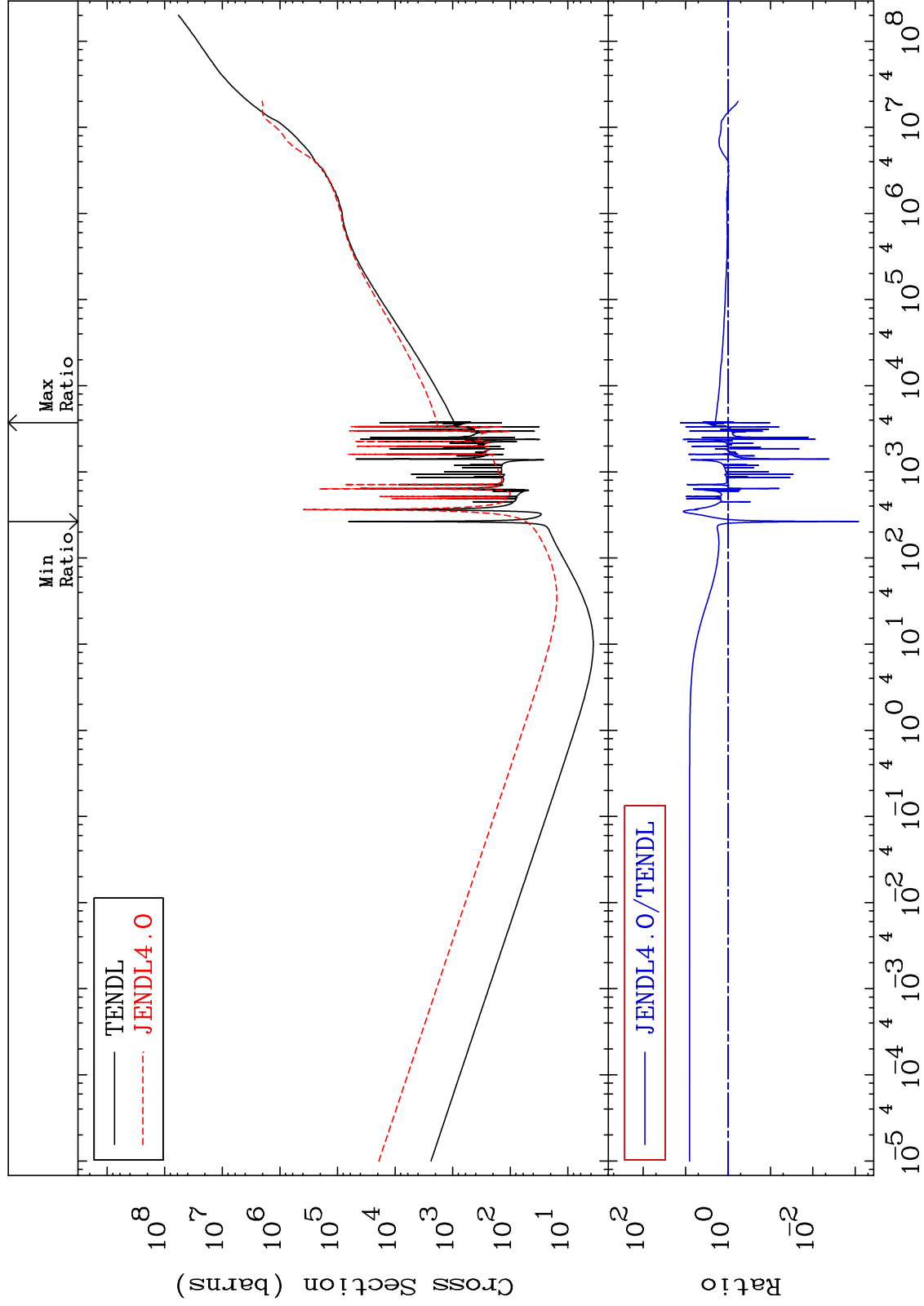
Incident Energy (eV)

38-Sr-84

MAT 3825

Total kinematic kerma (high limit)
Cross Section

38-Sr-84
-99.92 To 1220. %



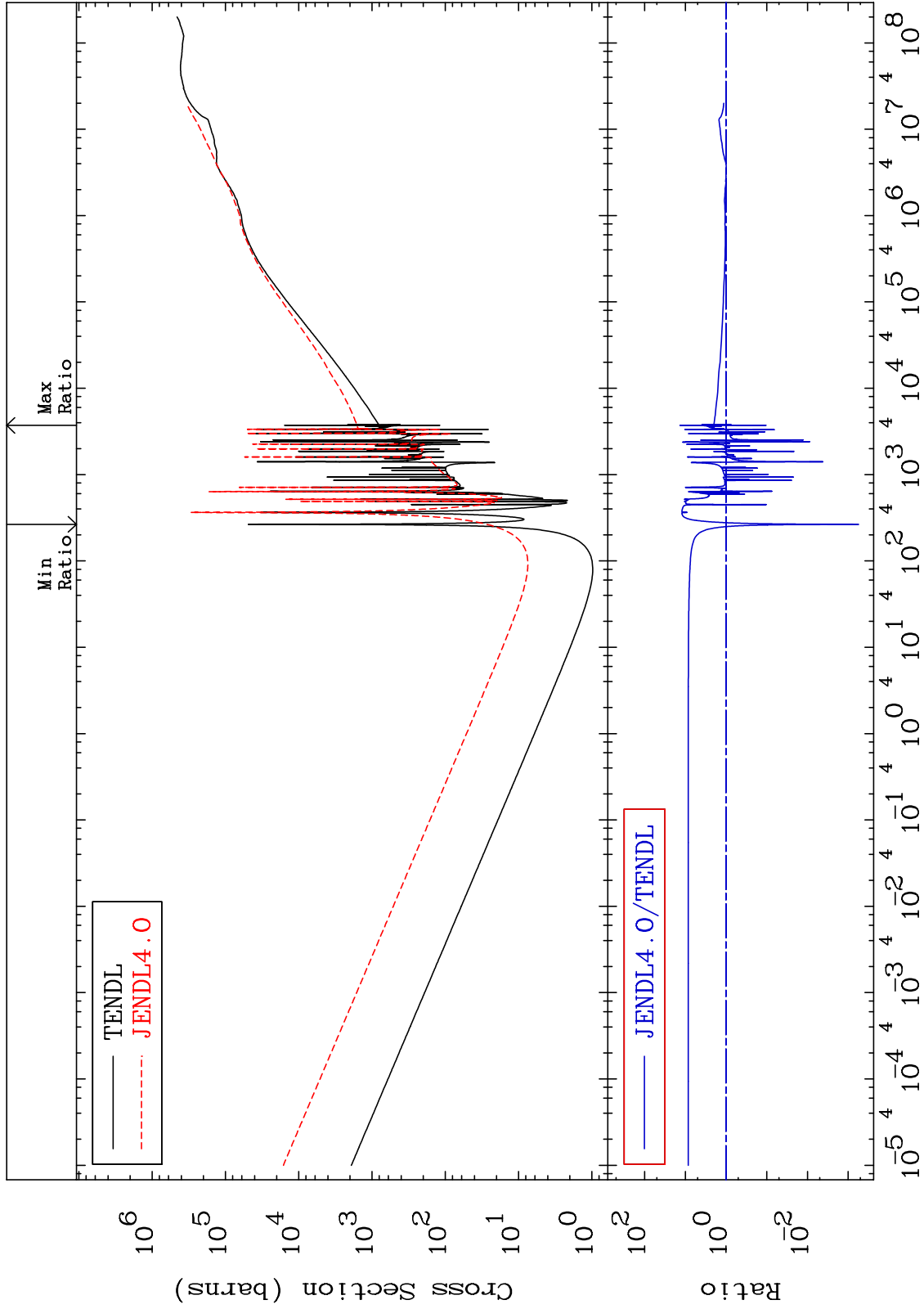
48

38-Sr-84

MAT 3825

Dpa total (eV-barns)
Cross Section

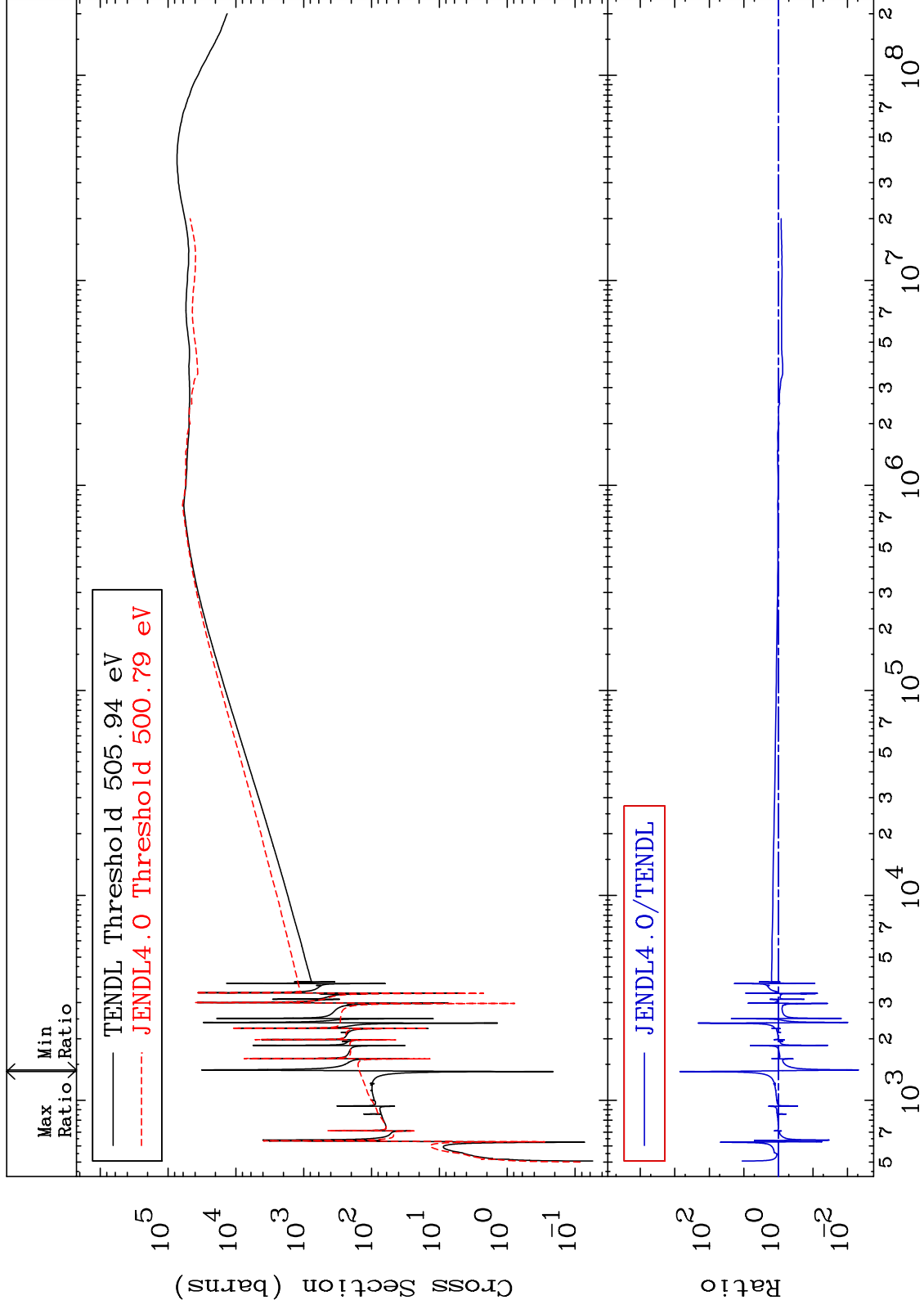
38-Sr-84
-99.94 To 1249. %



MAT 3825

Dpa elastic (mt2)
Cross Section

38-Sr-84
-99.52 To 9999. %



50

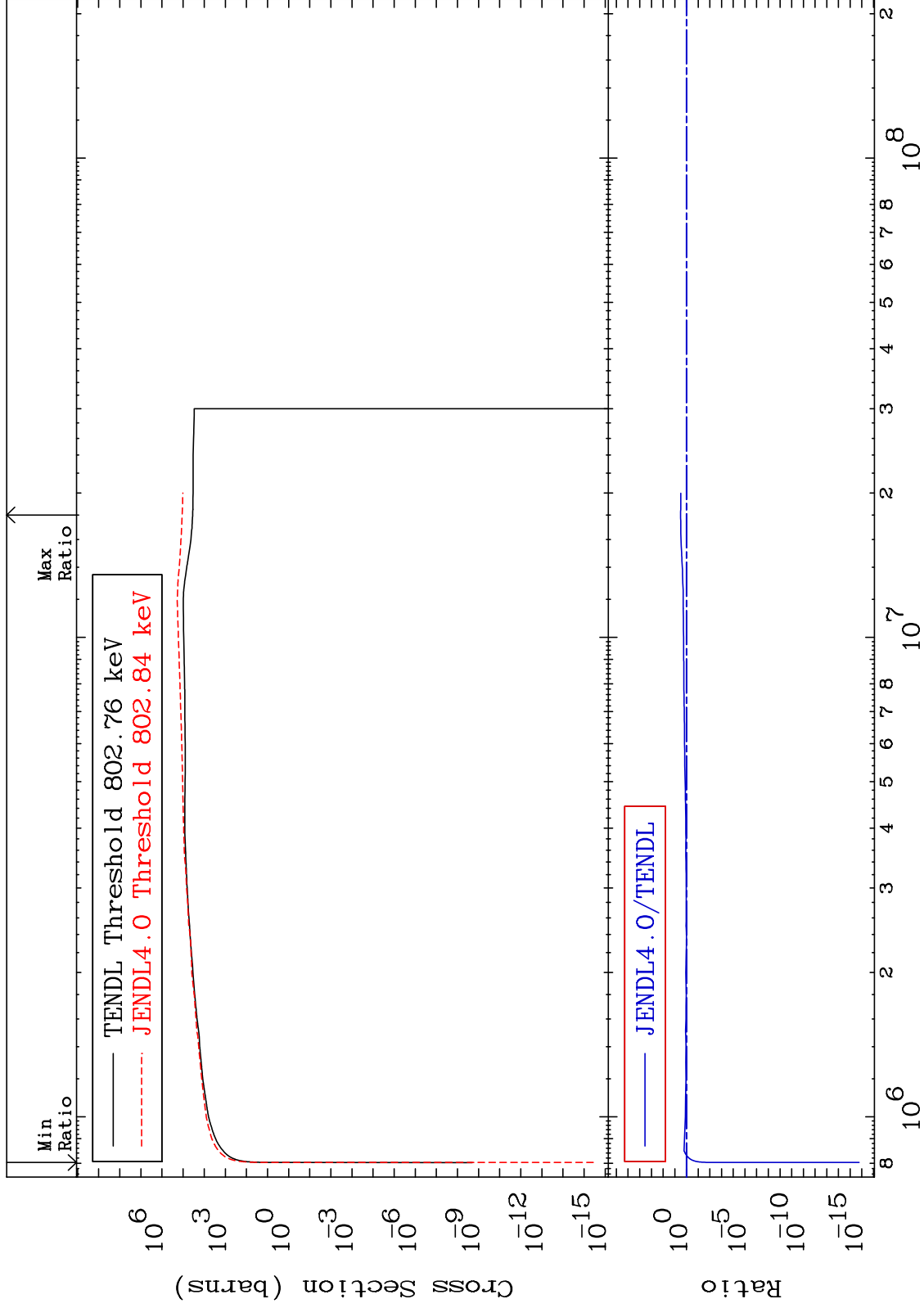
Incident Energy (eV)

38-Sr-84

MAT 3825

Dpa inelastic (mt51-91)
Cross Section

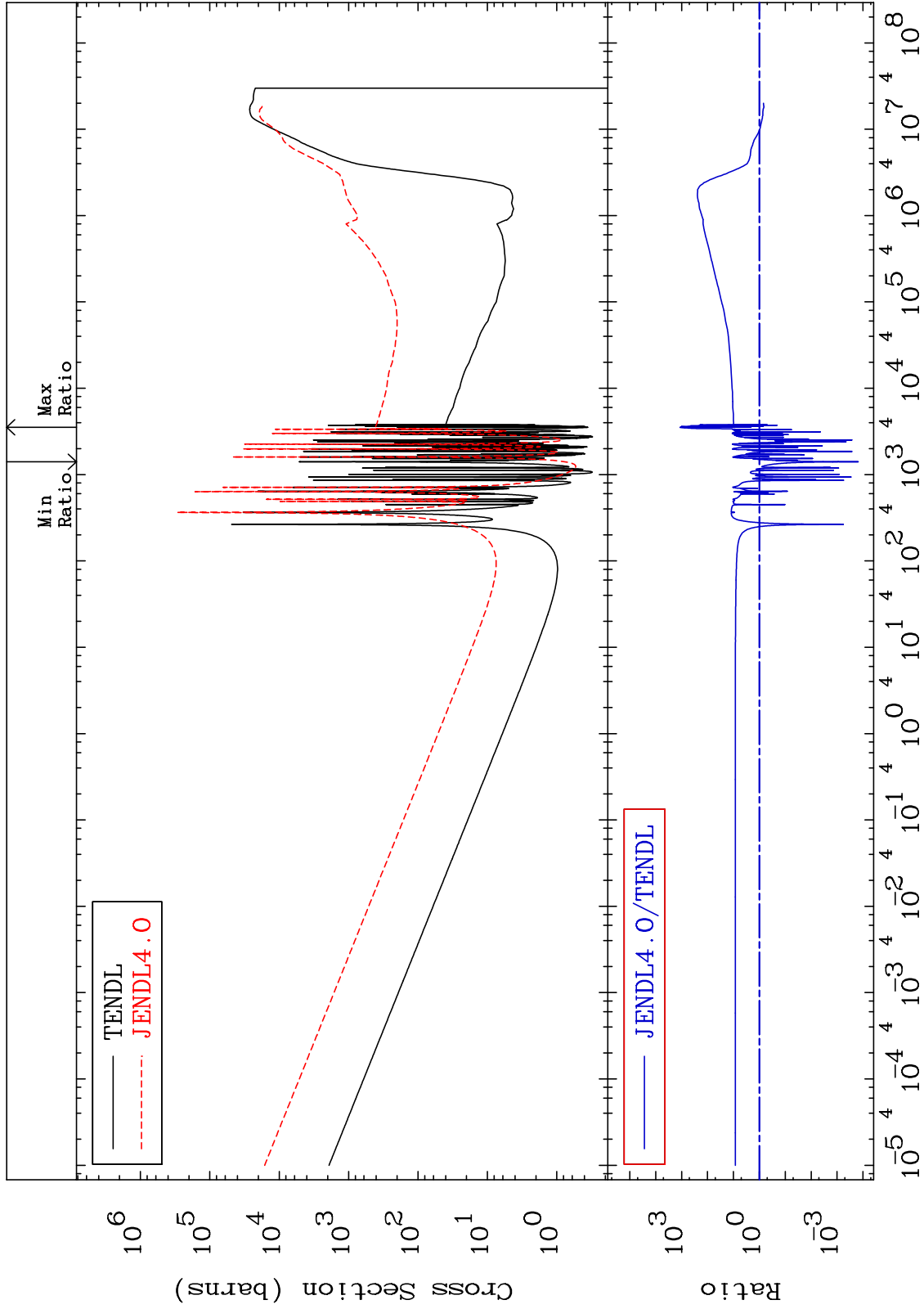
38-Sr-84
-100.0 To 217.4 %



MAT 3825

Dpa disappearance (mt102 -120)
Cross Section

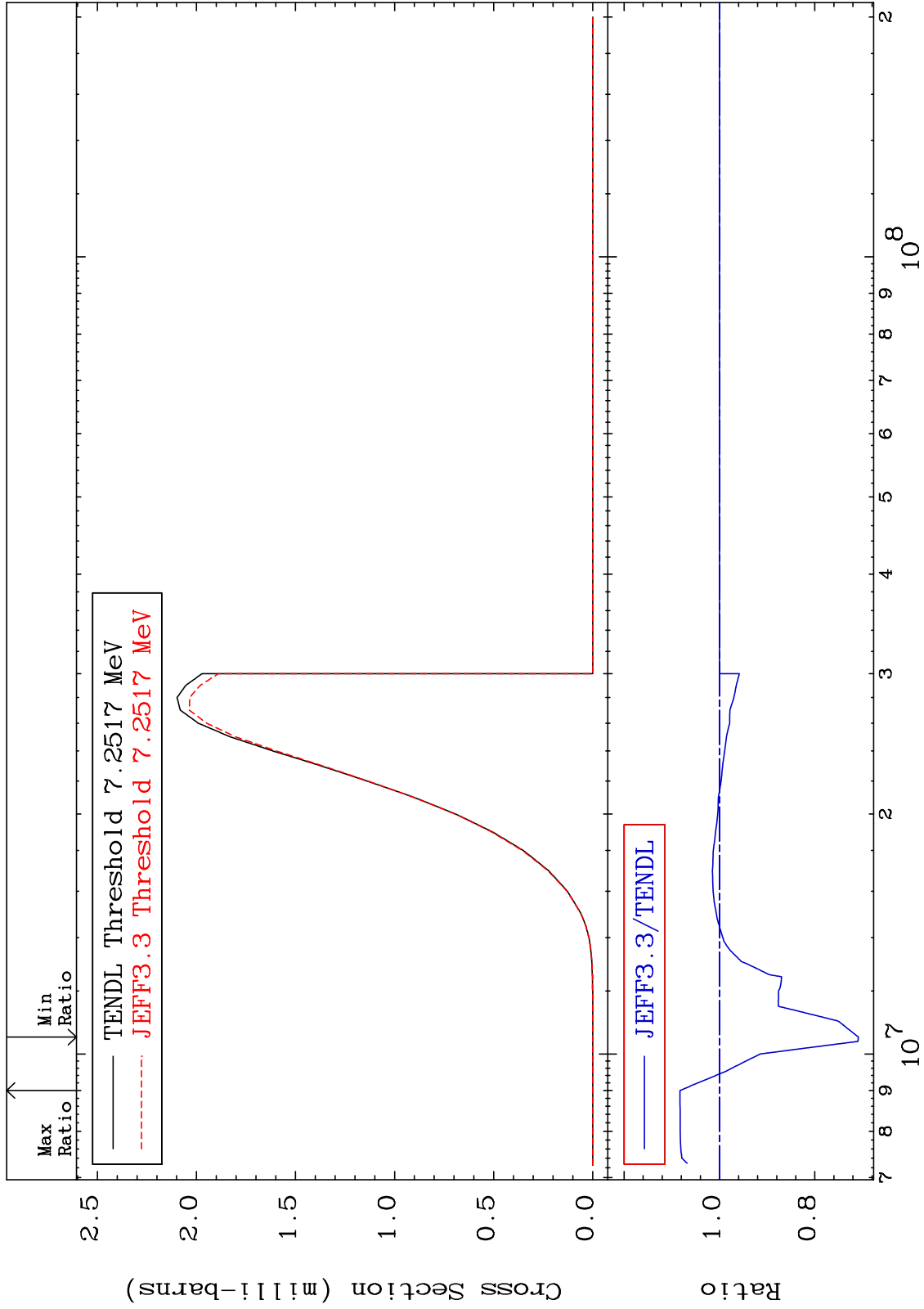
38-Sr-84
-99.98 To 9999. %



52

Incident Energy (eV)

38-Sr-84



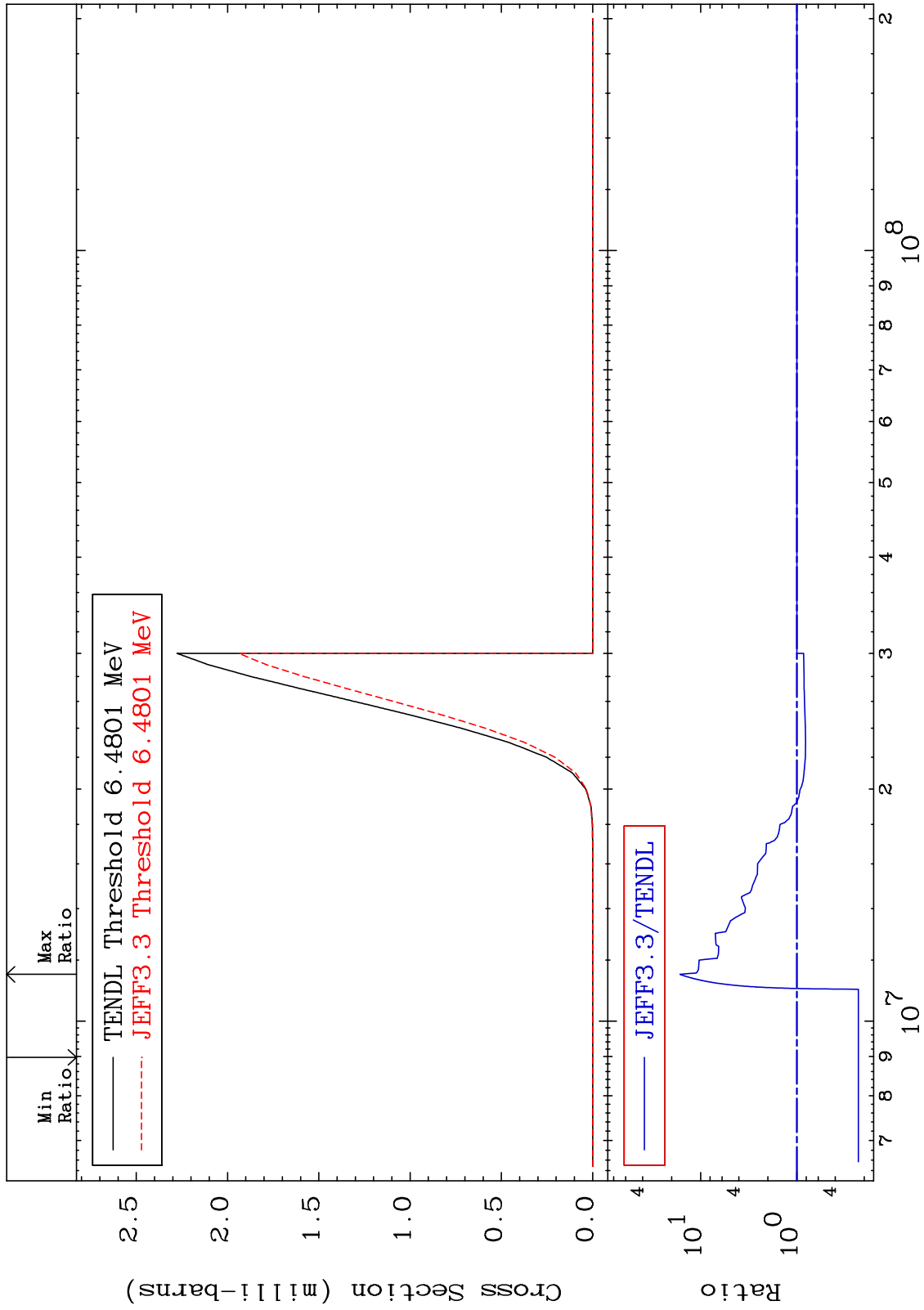
MAT 3825

(n,p) α

38-Sr-84

Cross Section

-77.03 To 1537. %



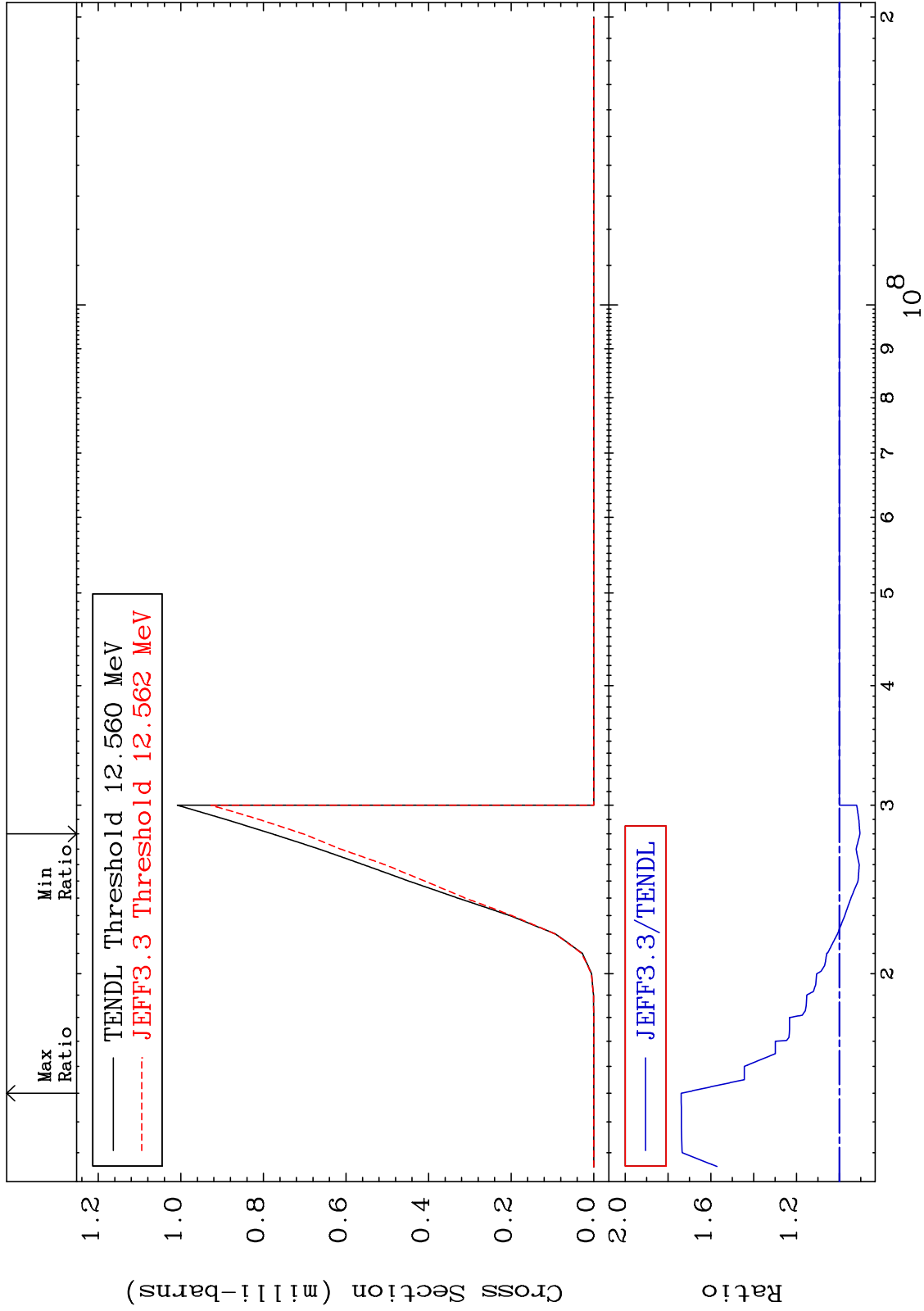
MAT 3825

(n,p) d

38-Sr-84

Cross Section

-9.610 To 73.86 %



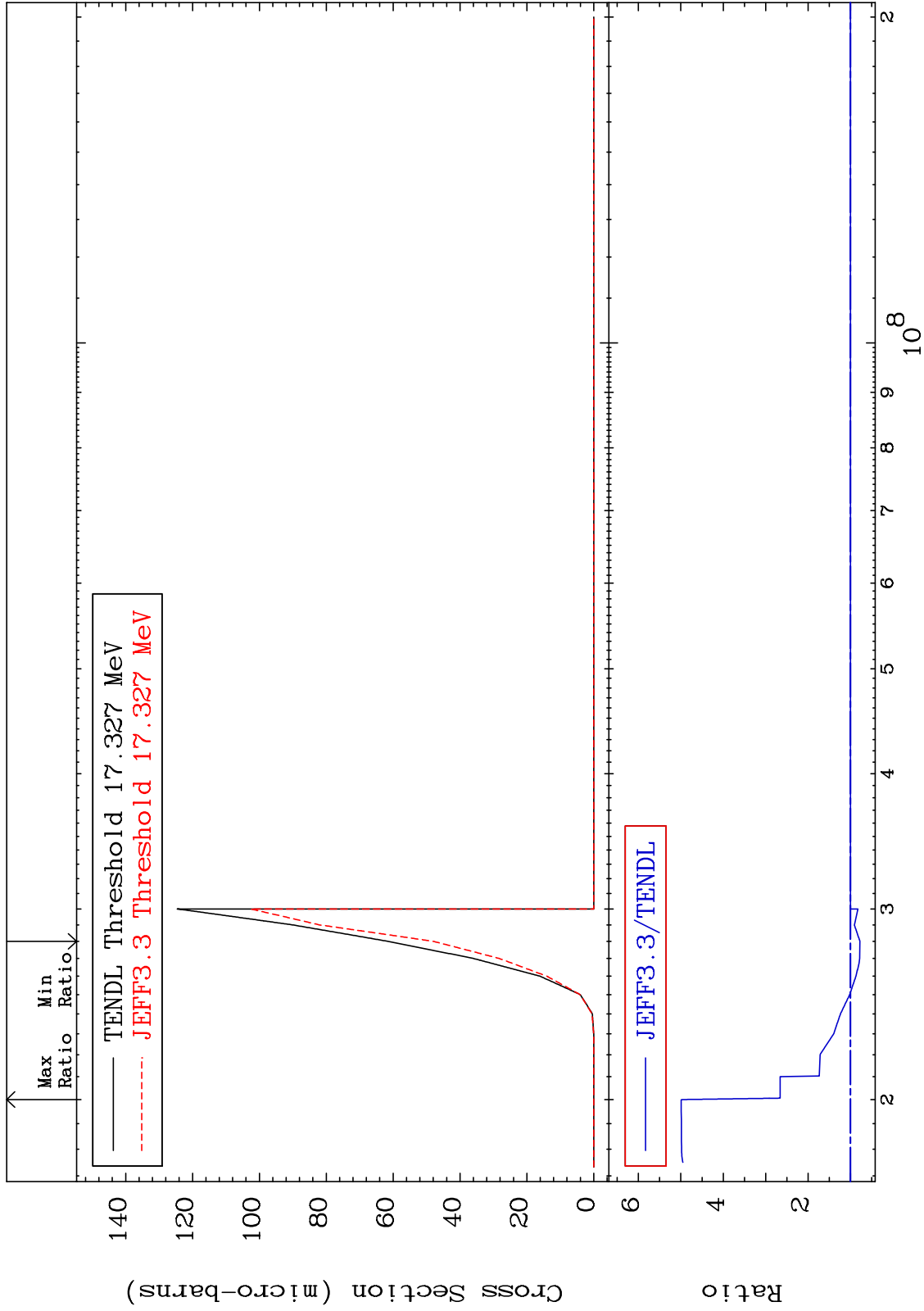
MAT 3825

(n,p) t

38-Sr-84

Cross Section

-22.13 To 399.0 %



56

Incident Energy (eV)

38-Sr-84

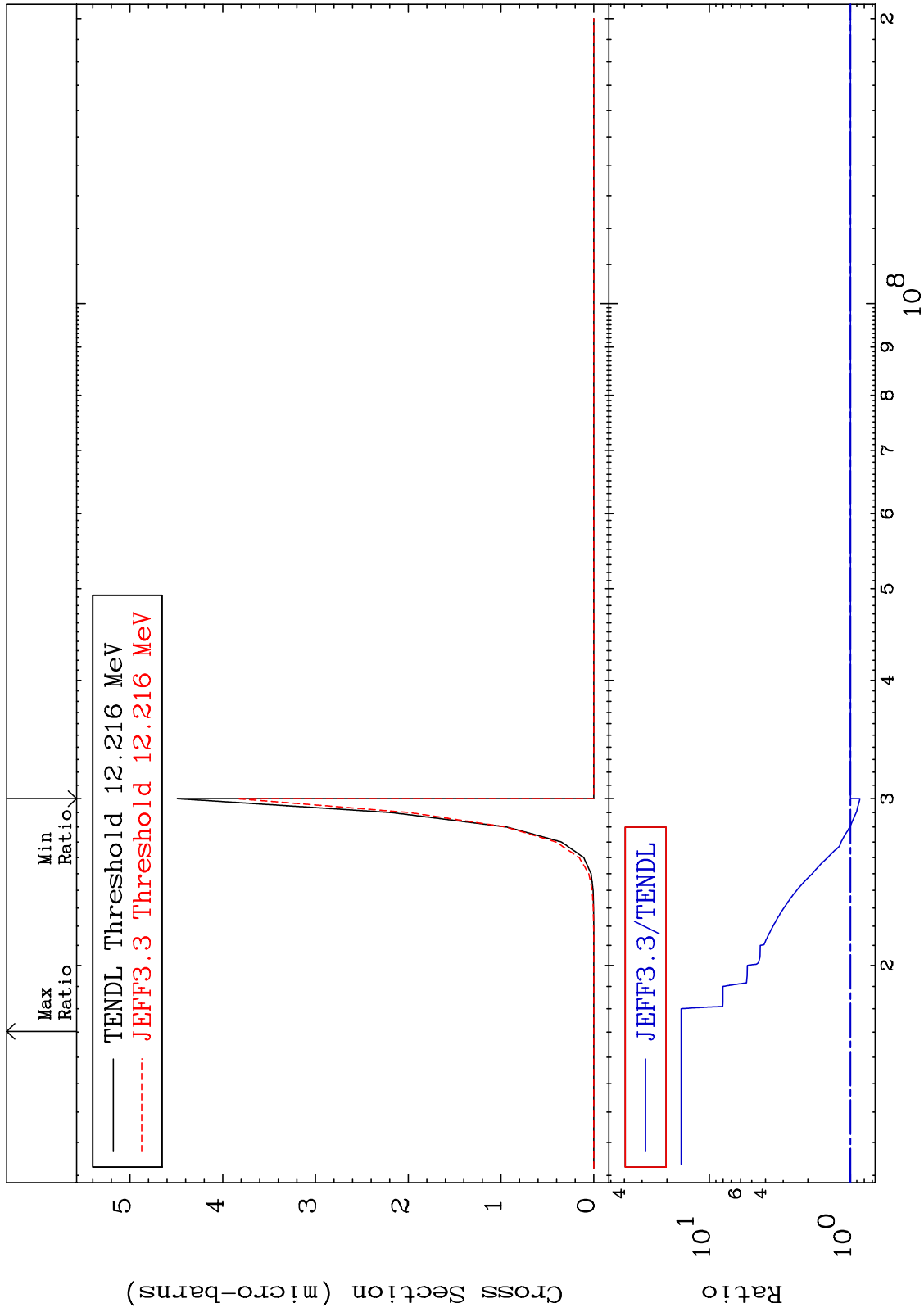
MAT 3825

(n,d) α

38-Sr-84

Cross Section

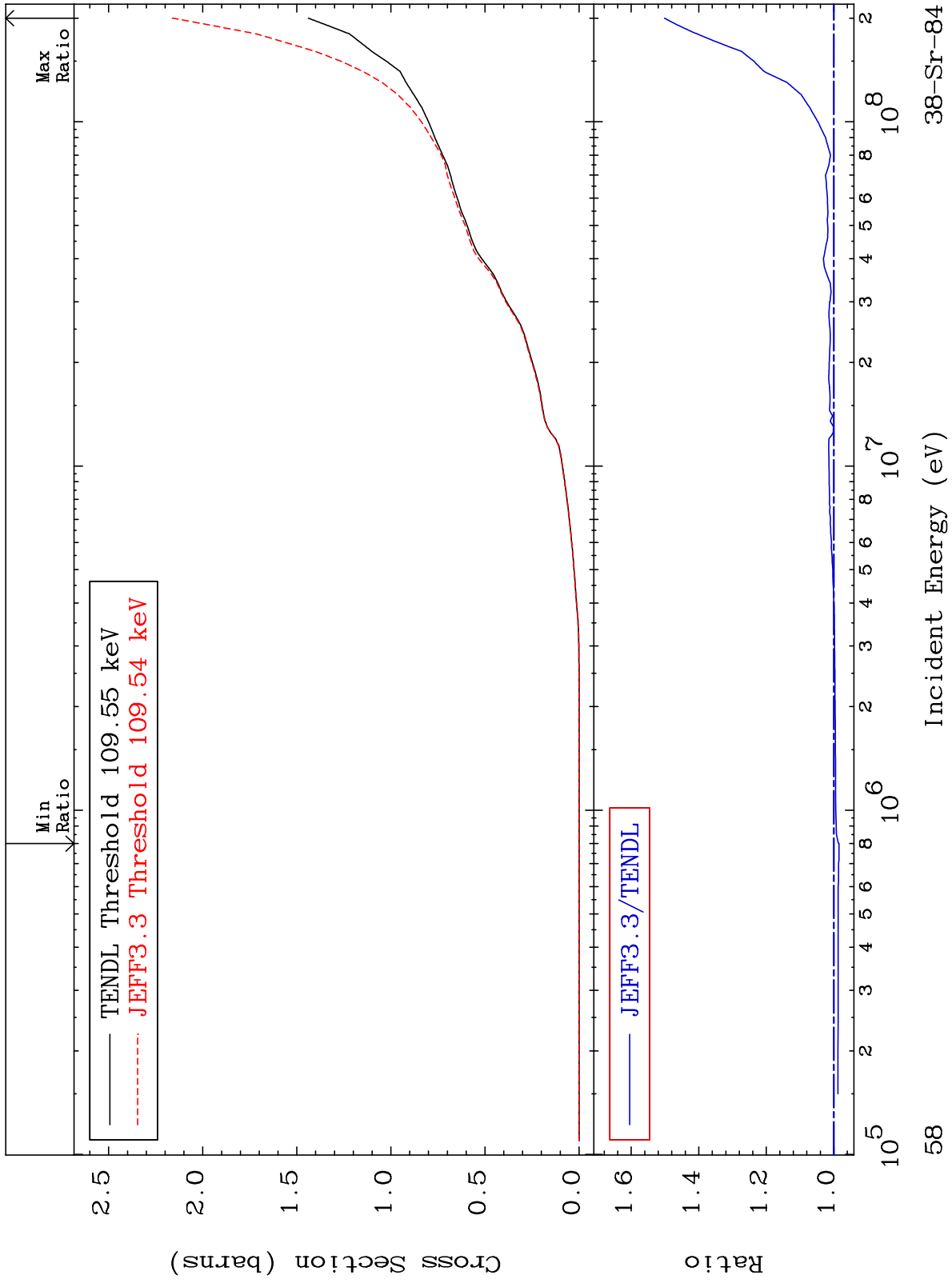
-14.30 To 1482. %



MAT 3825

Hydrogen Production
Cross Section

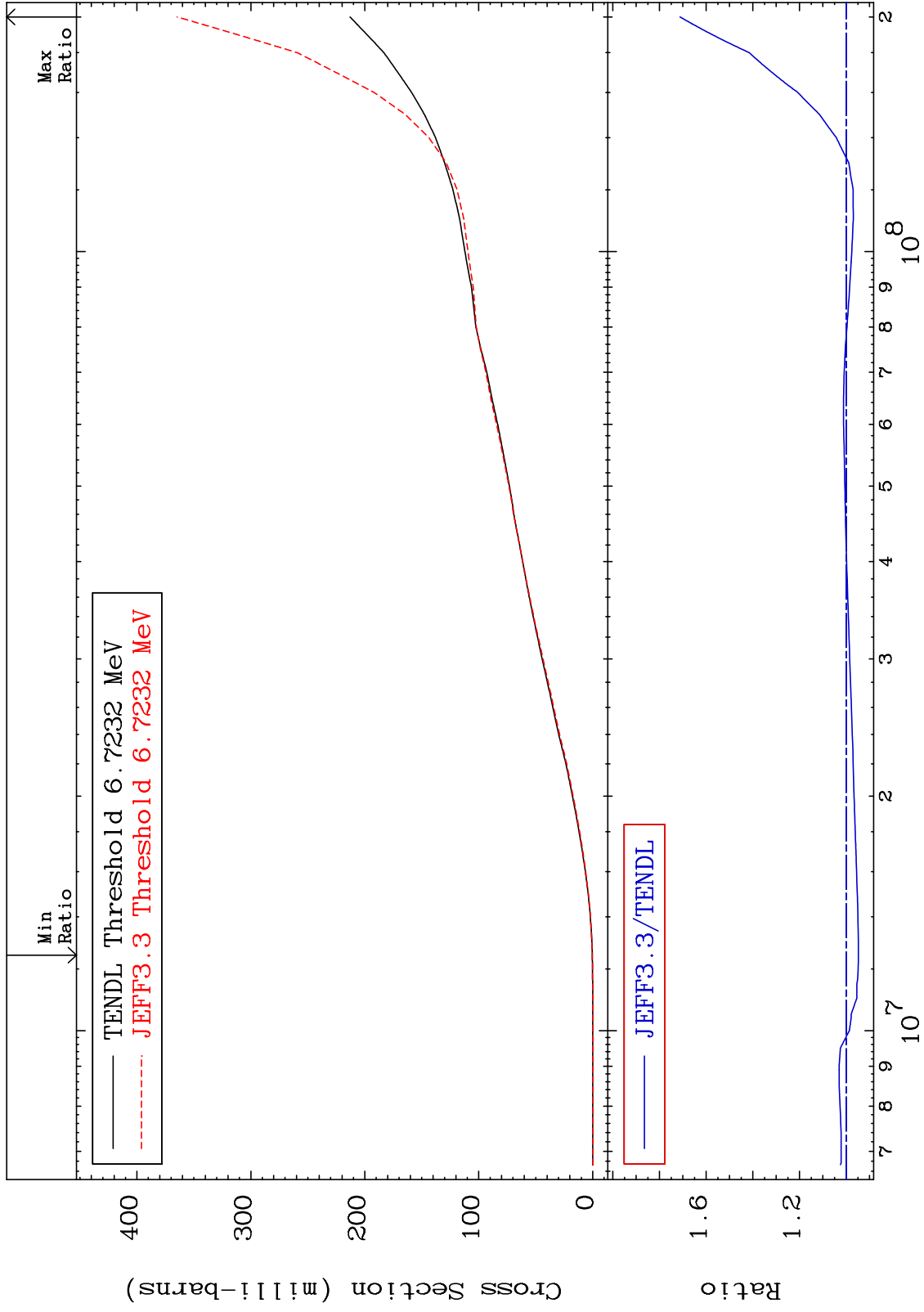
38-Sr-84
-1.526 To 50.14 %



MAT 3825

Deuterium Production
Cross Section

38-Sr-84
-5.229 To 71.21 %



59

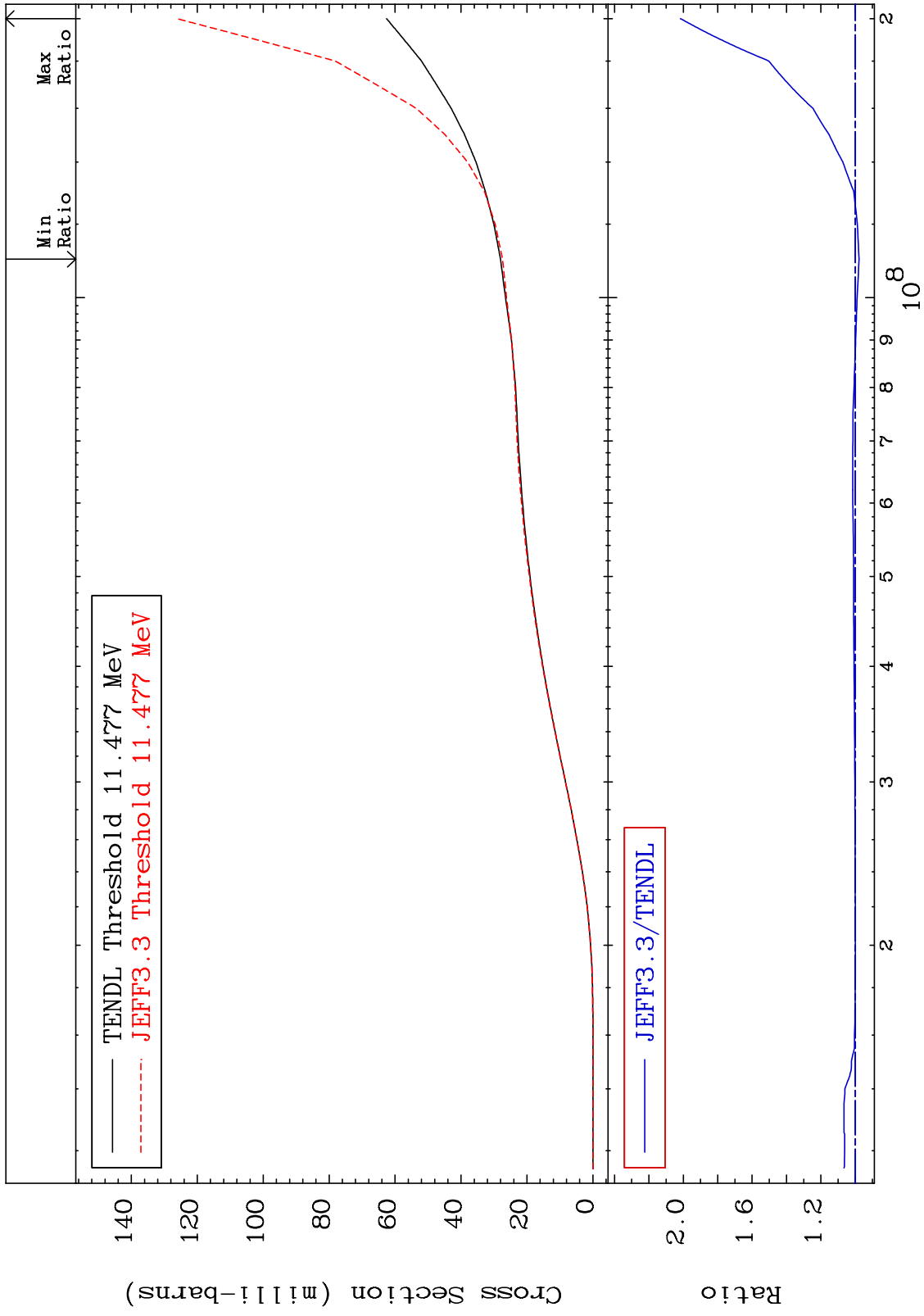
Incident Energy (eV)

38-Sr-84

MAT 3825

Tritium Production
Cross Section

38-Sr-84
-2.225 To 101.7 %



60

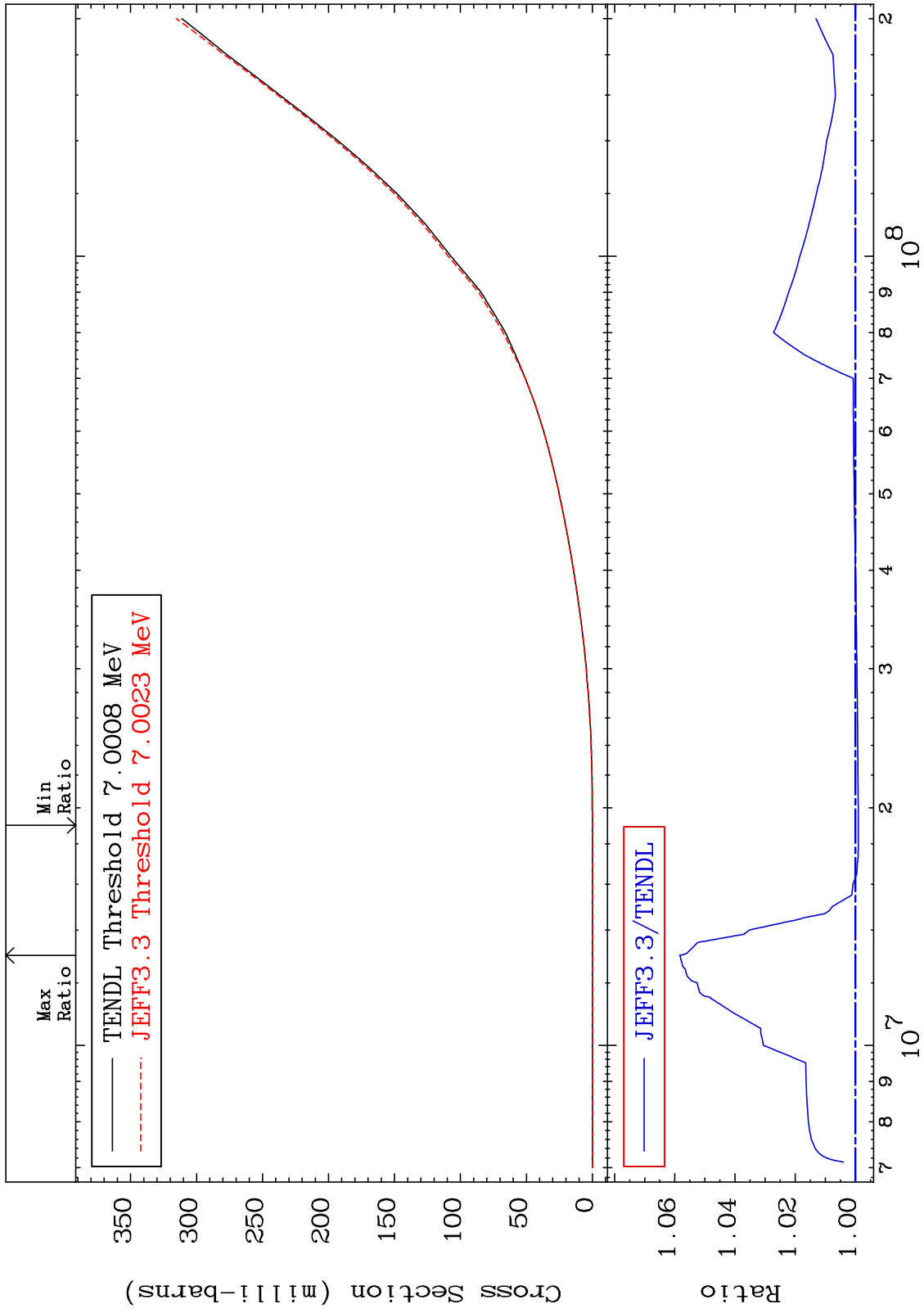
Incident Energy (eV)

38-Sr-84

MAT 3825

He-3 Production
Cross Section

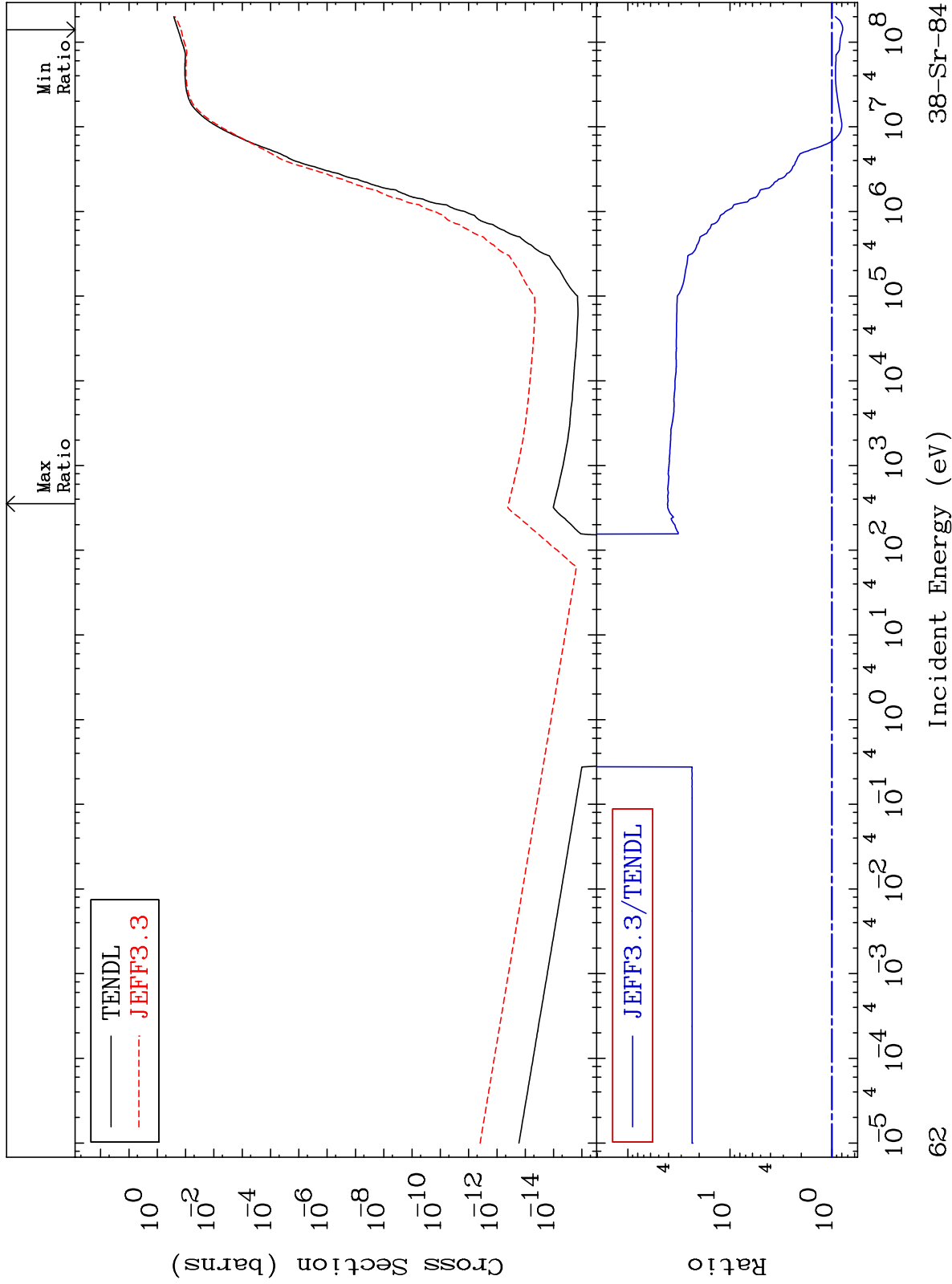
38-Sr-84
-0.099 To 5.834 %



MAT 3825

He-4 Production
Cross Section

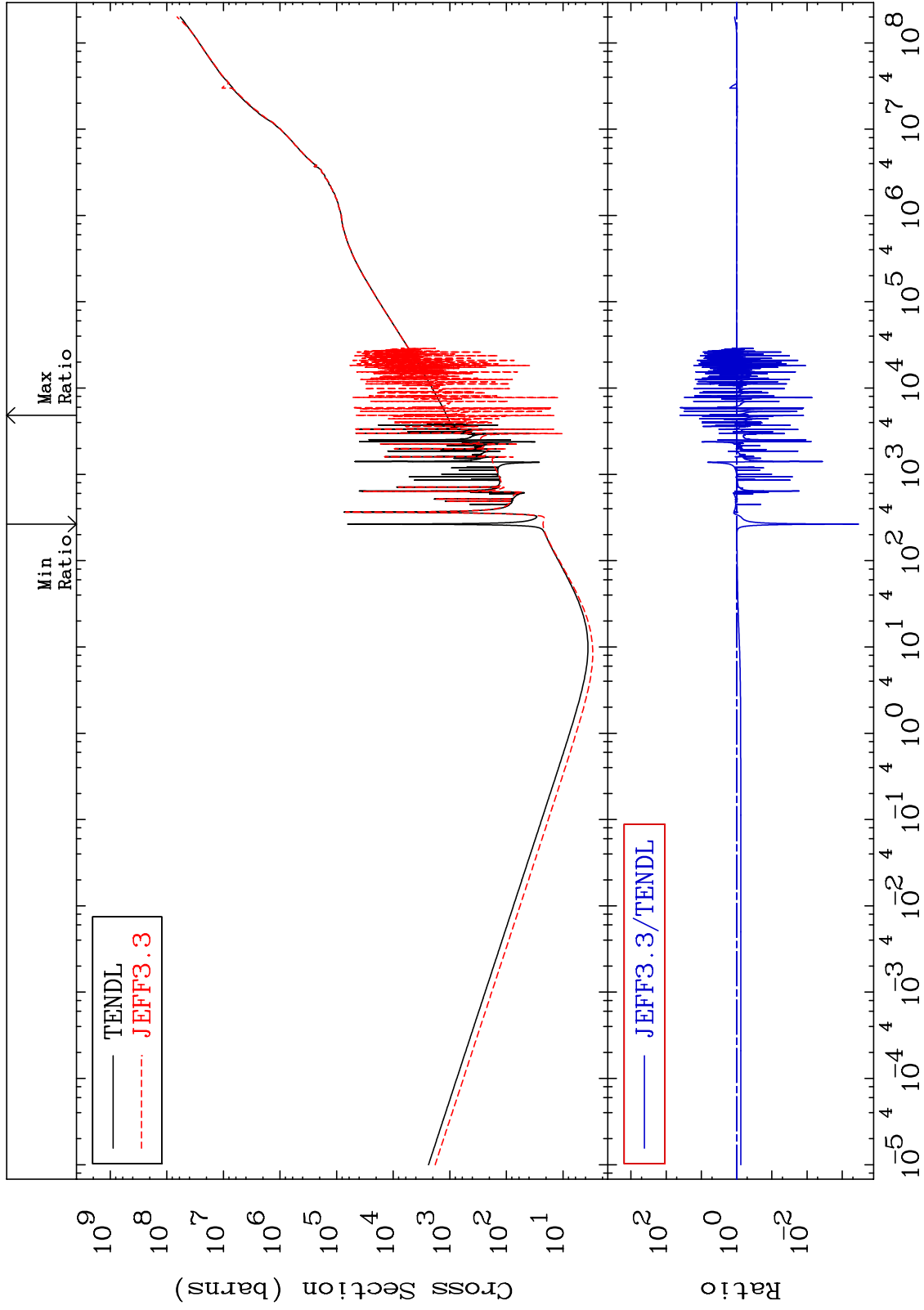
38-Sr-84
-21.55 To 3989. %



MAT 3825

Kerma total (eV-barns)
Cross Section

38-Sr-84
-99.97 To 3933. %



63

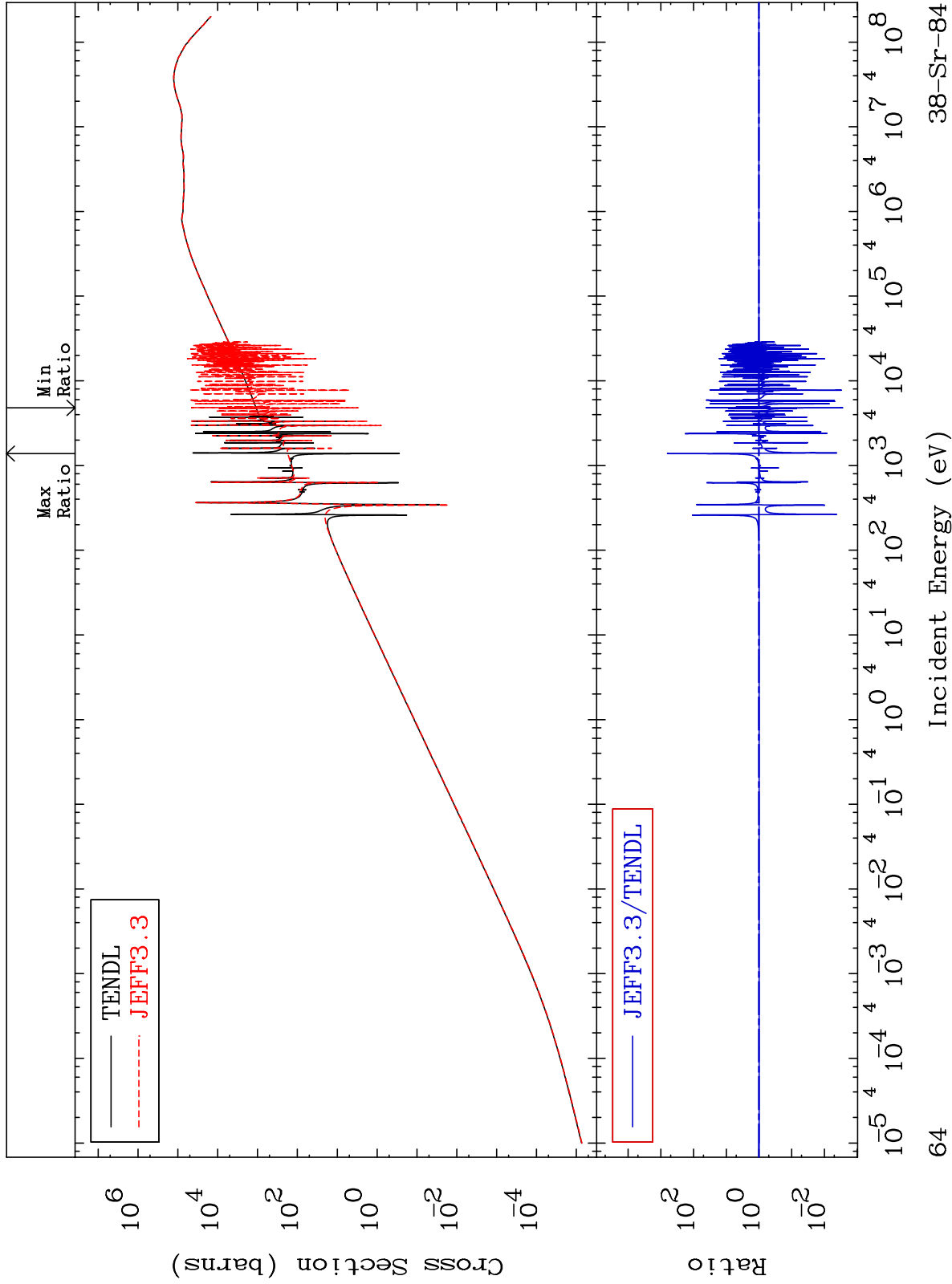
Incident Energy (eV)

38-Sr-84

MAT 3825

Kerma elastic
Cross Section

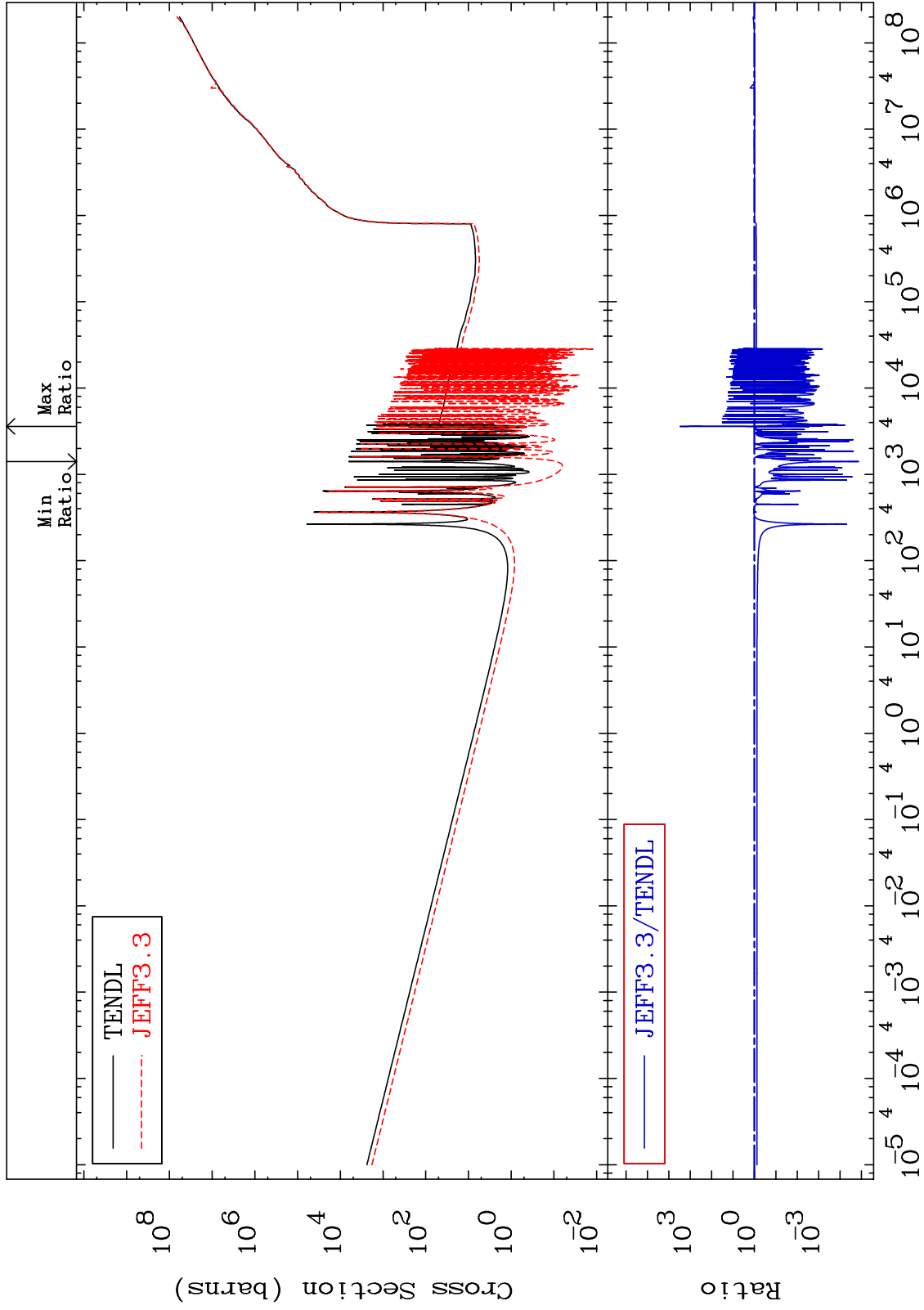
38-Sr-84
-99.72 To 9999. %



MAT 3825

Kerma non-elastic (all but mt2)
Cross Section

38-Sr-84
-100.0 To 9999. %



65

Incident Energy (eV)

38-Sr-84

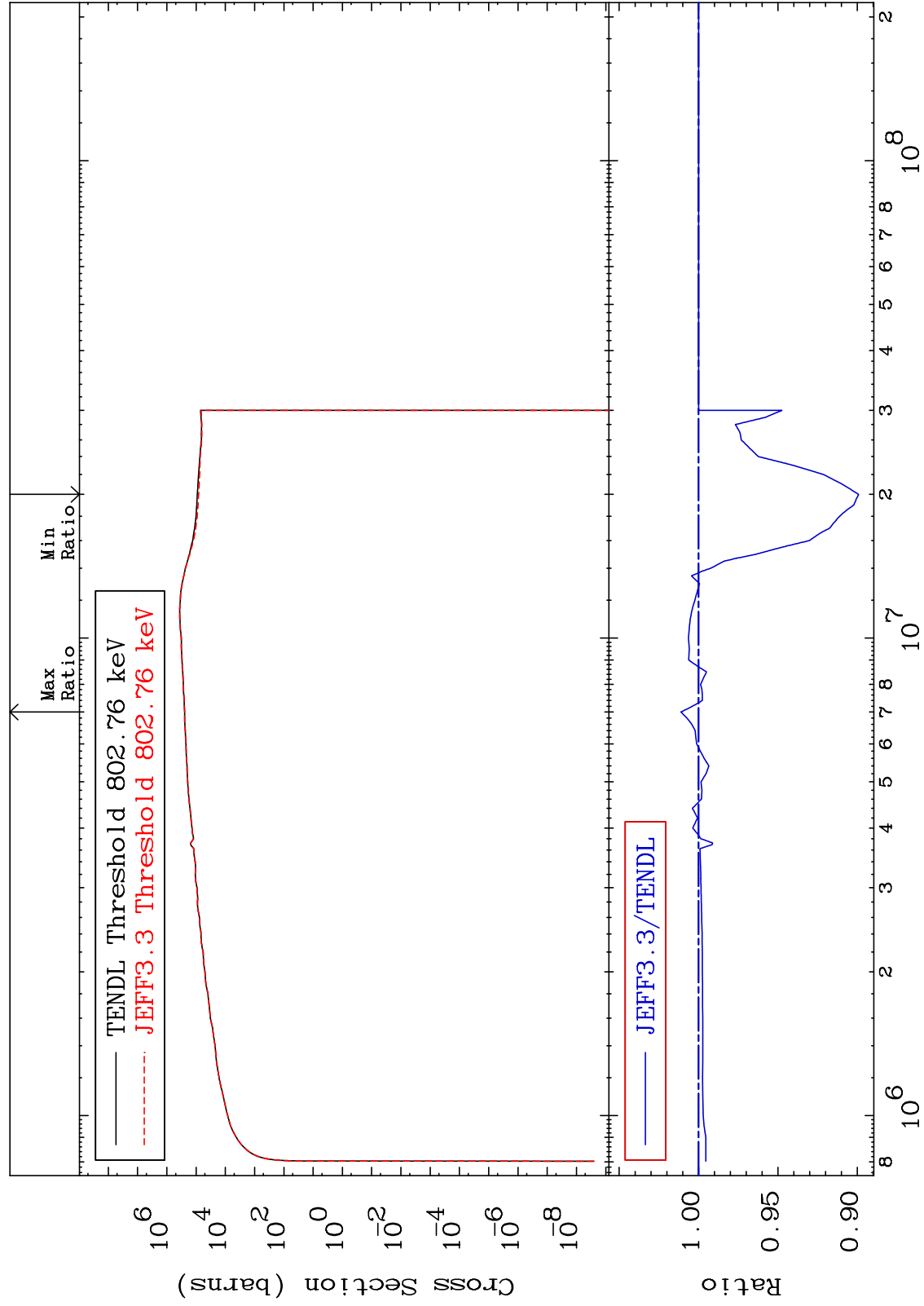
MAT 3825

Kerma inelastic (mt51-91)

38-Sr-84

-10.09 To 1.113 %

Cross Section



Incident Energy (eV)

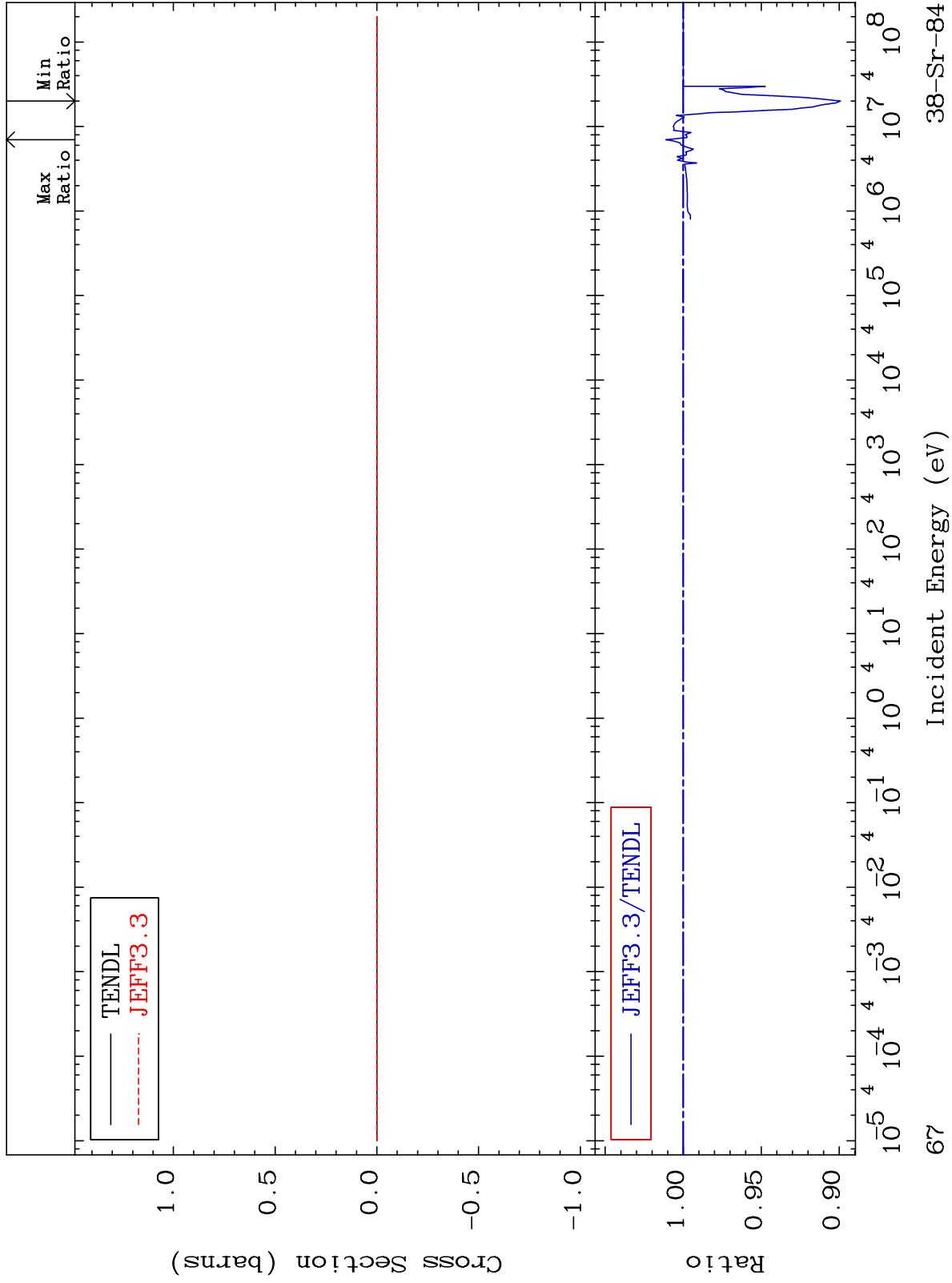
38-Sr-84

66

MAT 3825

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

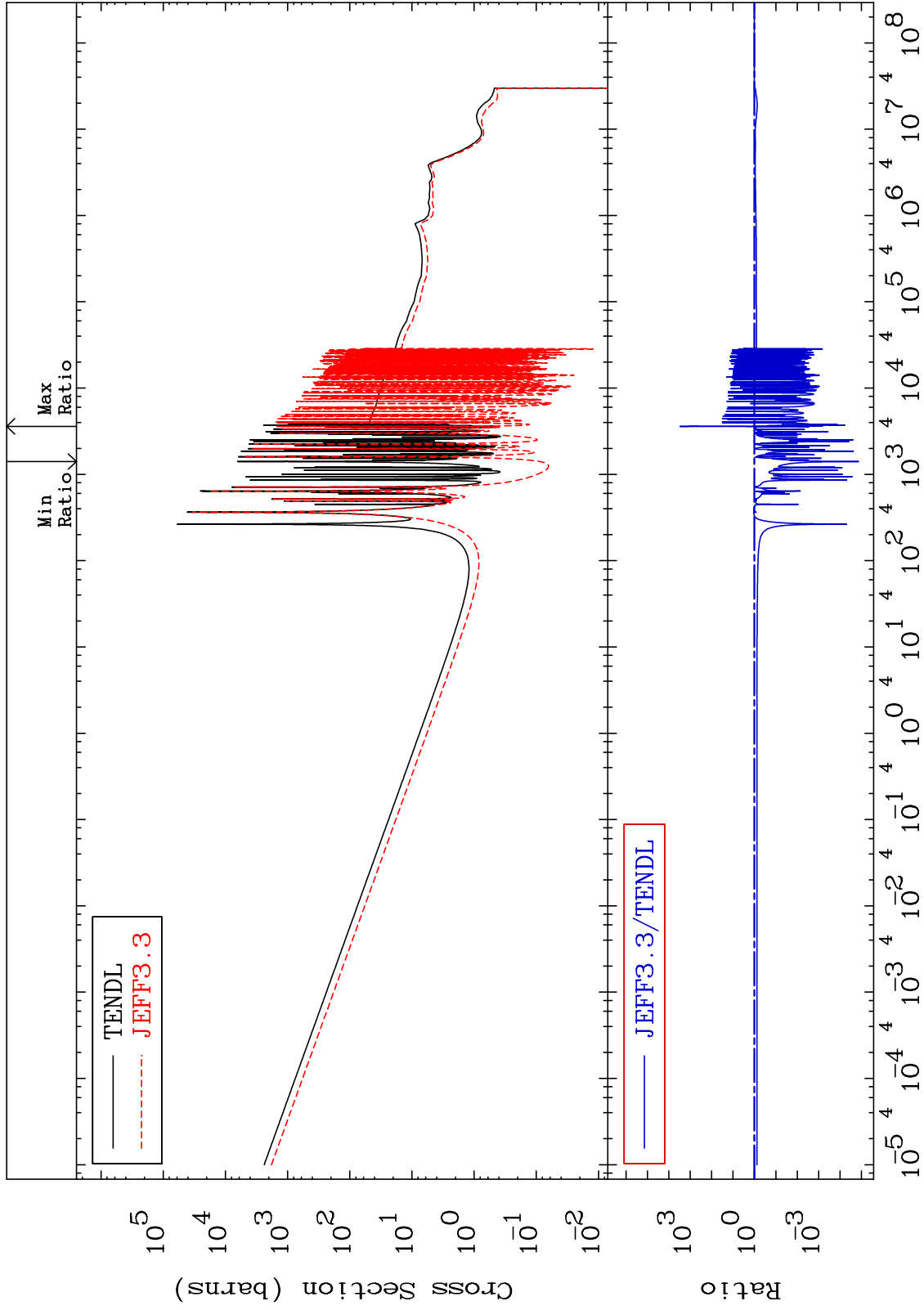
38-Sr-84
-10.09 To 1.113 %



MAT 3825

Kerma capture (mt102)
Cross Section

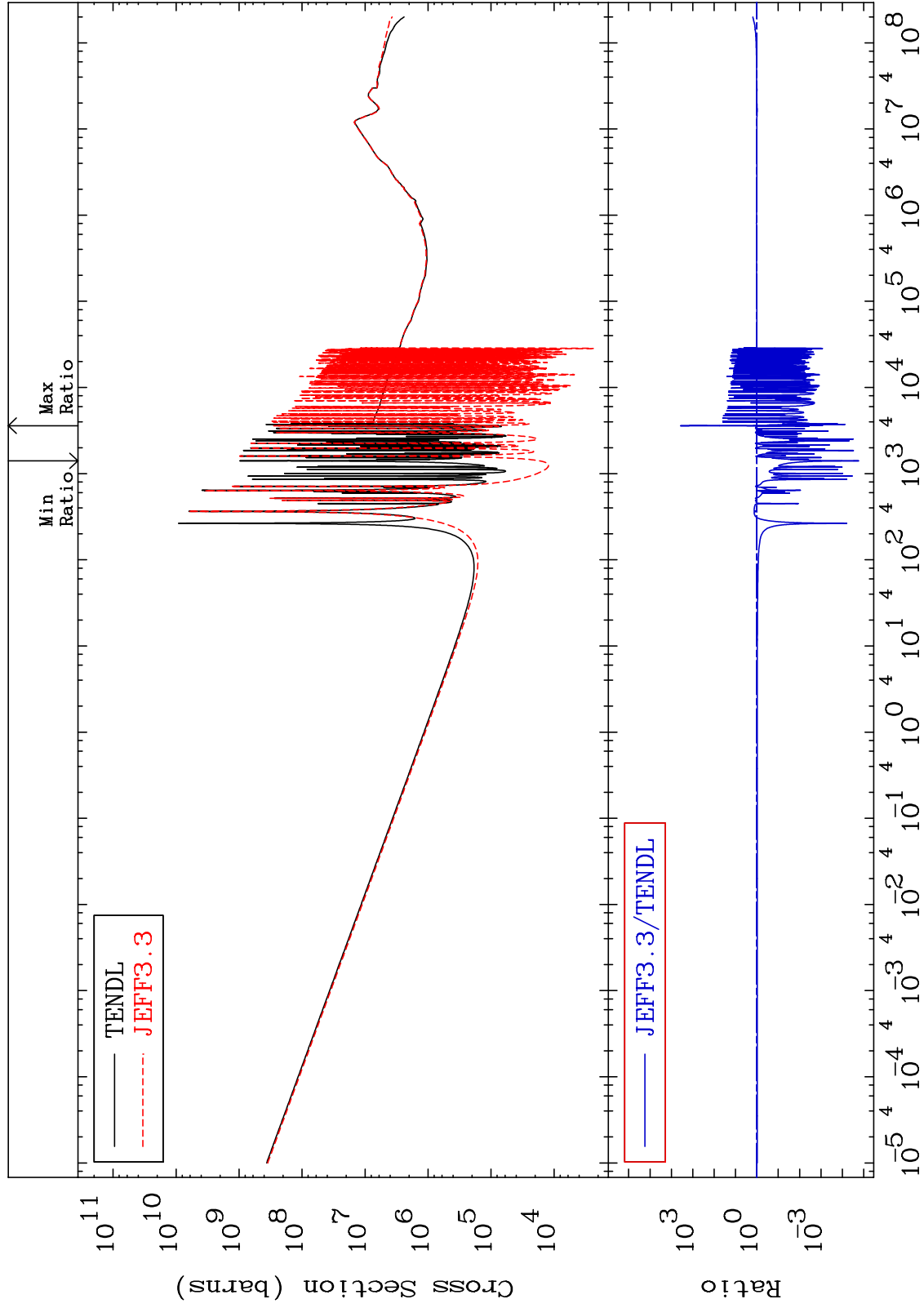
38-Sr-84
-100.0 To 9999. %



MAT 3825

Total photon (eV-barns)
Cross Section

38-Sr-84
-100.0 To 9999. %



69

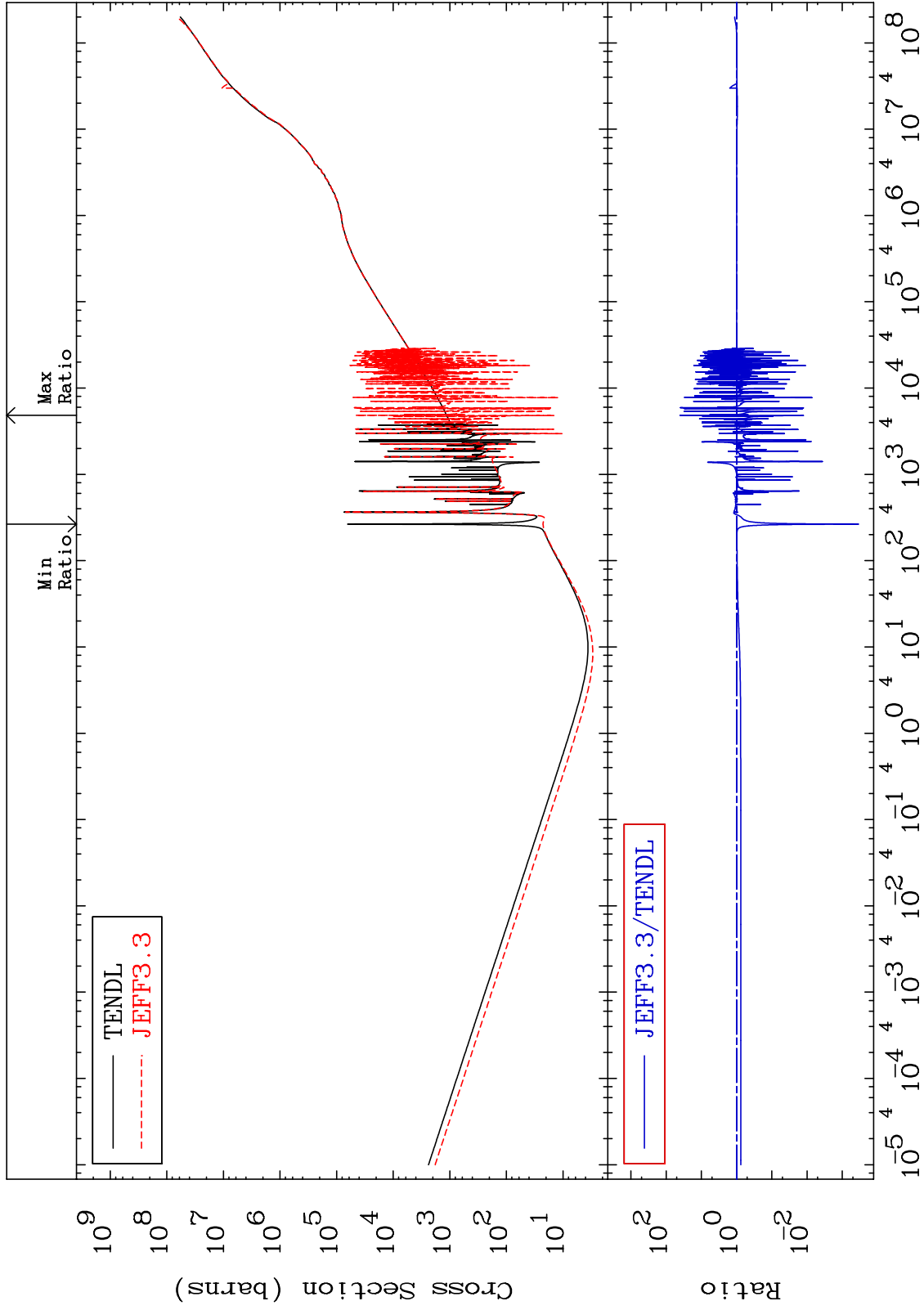
Incident Energy (eV)

38-Sr-84

MAT 3825

Total kinematic kerma (high limit)
Cross Section

38-Sr-84
-99.97 To 3933. %



70

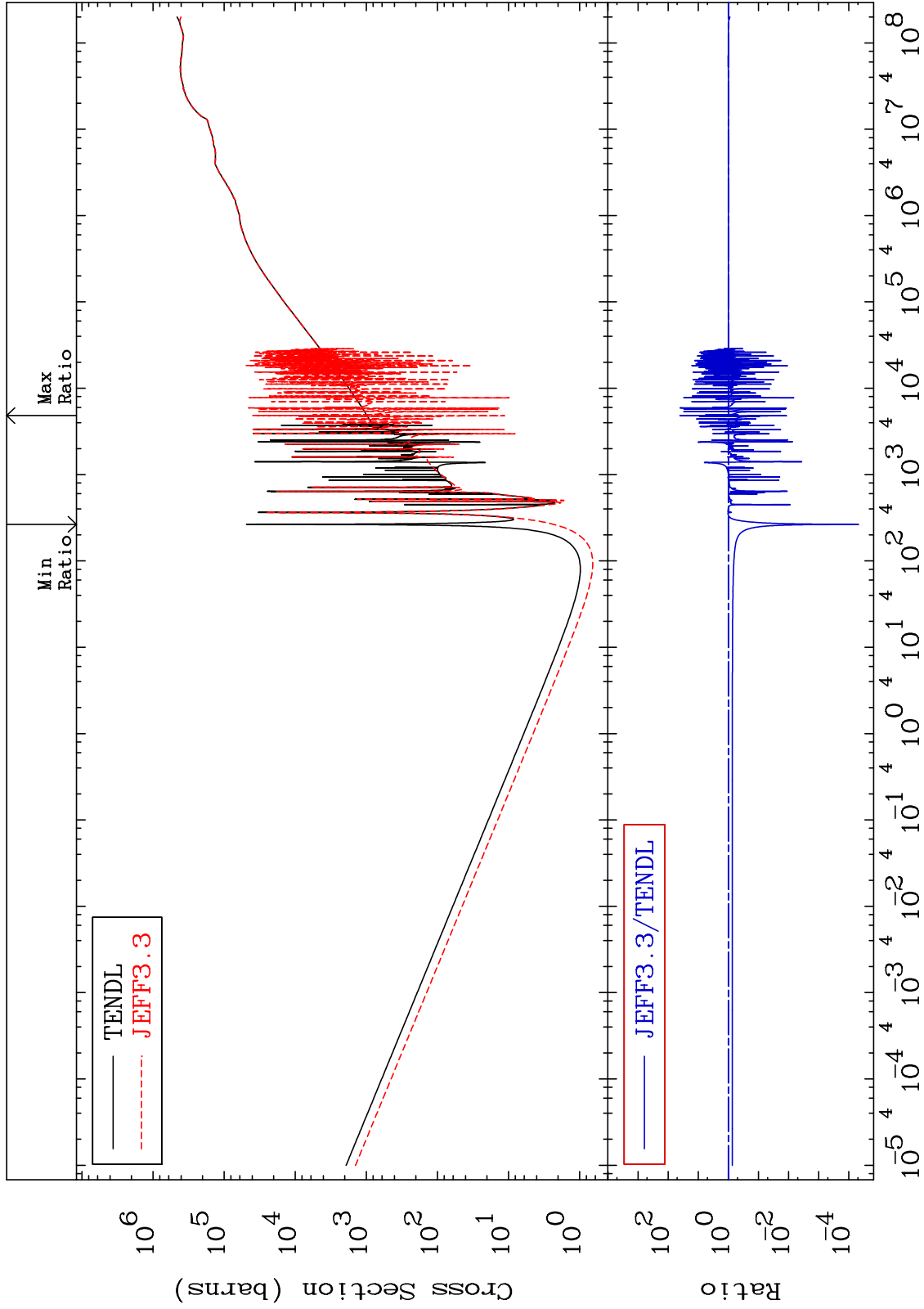
Incident Energy (eV)

38-Sr-84

MAT 3825

Dpa total (eV-barns)
Cross Section

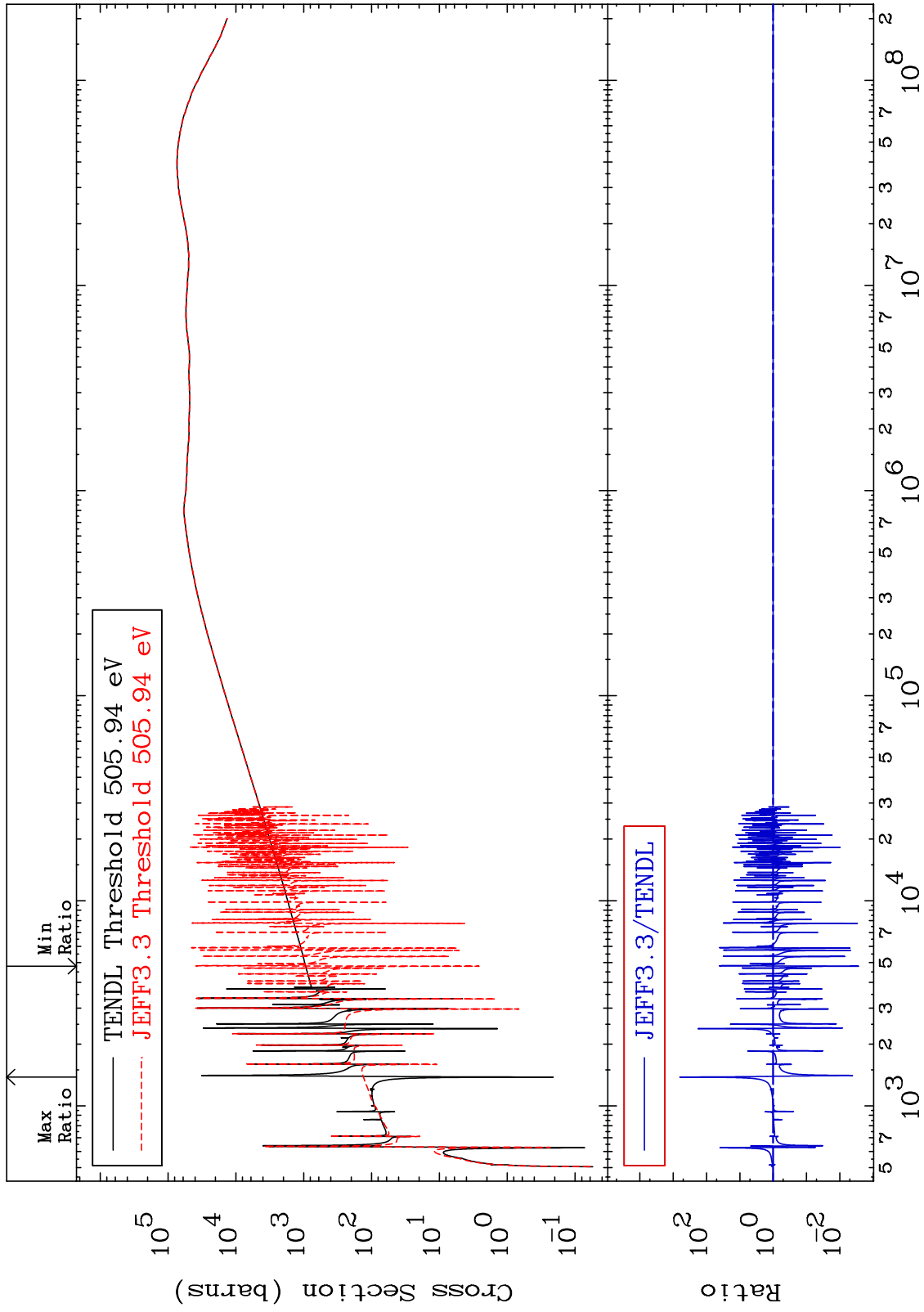
38-Sr-84
-100.0 To 3936. %



MAT 3825

Dpa elastic (mt2)
Cross Section

38-Sr-84
-99.72 To 9999. %



72

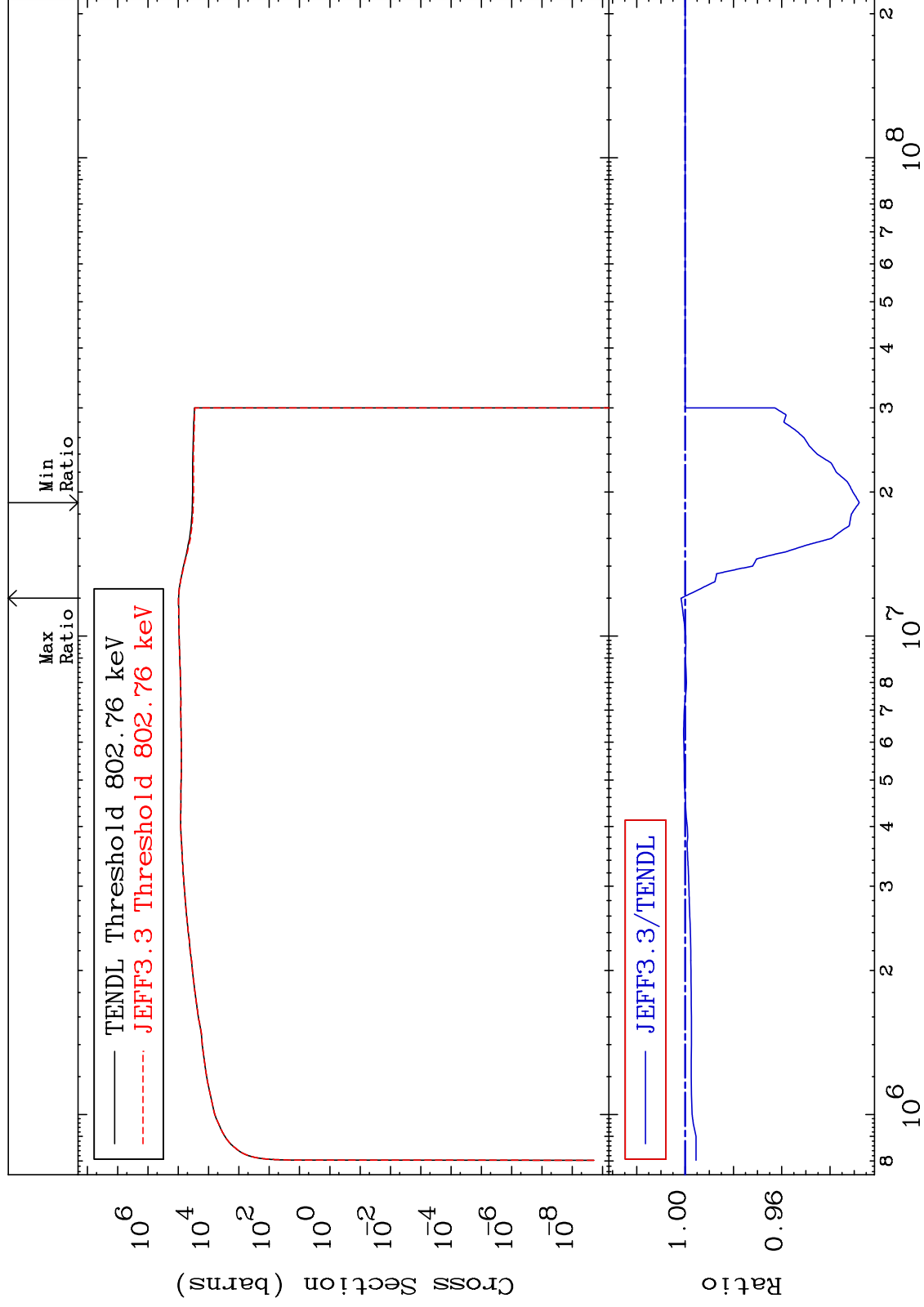
Incident Energy (eV)

38-Sr-84

MAT 3825

Dpa inelastic (mt51-91)
Cross Section

38-Sr-84
-7.211 To 0.166 %



73

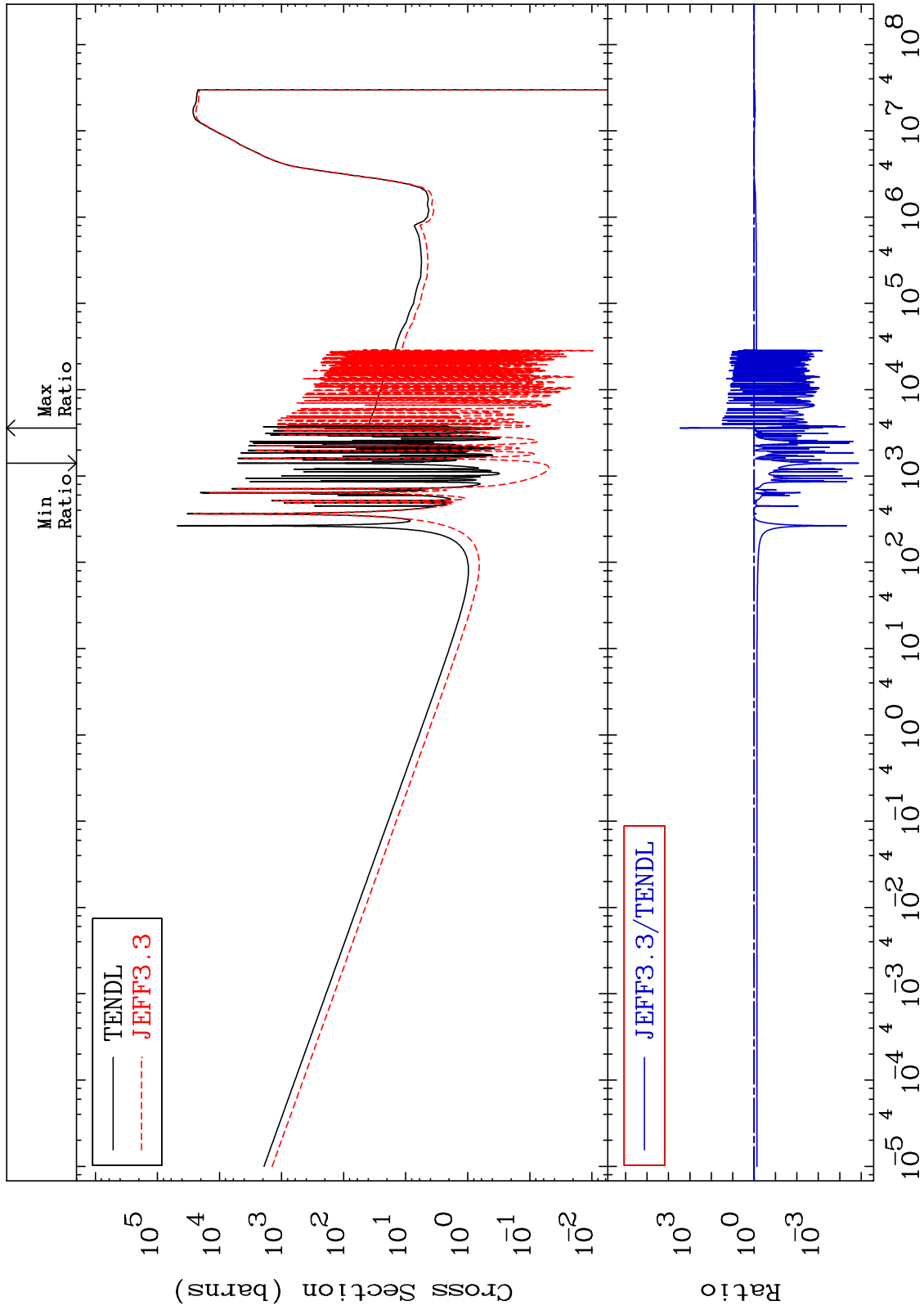
Incident Energy (eV)

38-Sr-84

MAT 3825

Dpa disappearance (mt102 -120)
Cross Section

38-Sr-84
-100.0 To 9999. %



74

Incident Energy (eV)

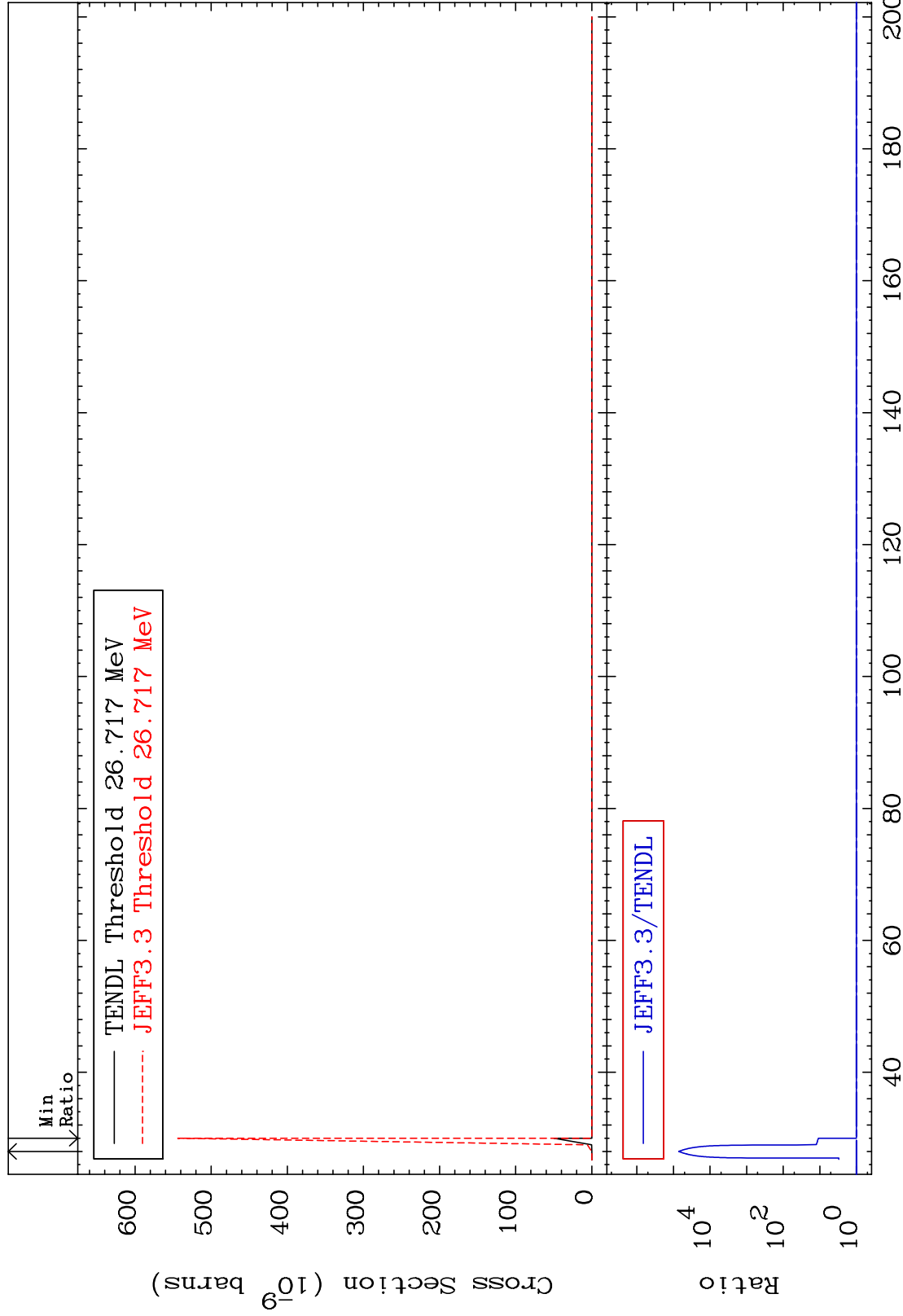
38-Sr-84

MAT 3825

(n,2n) d:37-Rb-81g

38-Sr-84

Radionuclide Production Cross Section 0.000 To 9999. %



75

Incident Energy (MeV)

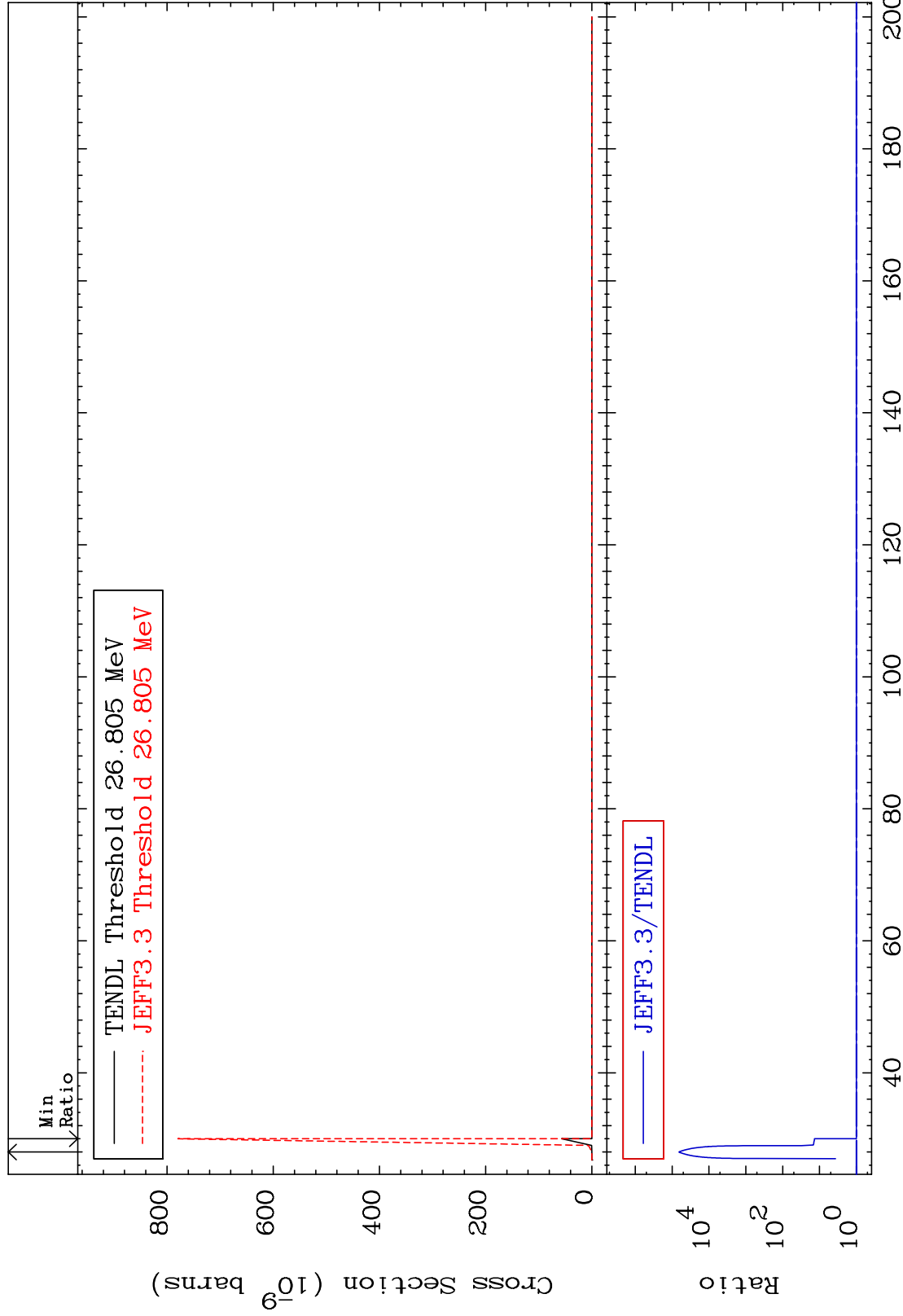
38-Sr-84

MAT 3825

(n,2n) d:37-Rb-81m1

38-Sr-84

Radionuclide Production Cross Section 0.000 To 9999. %

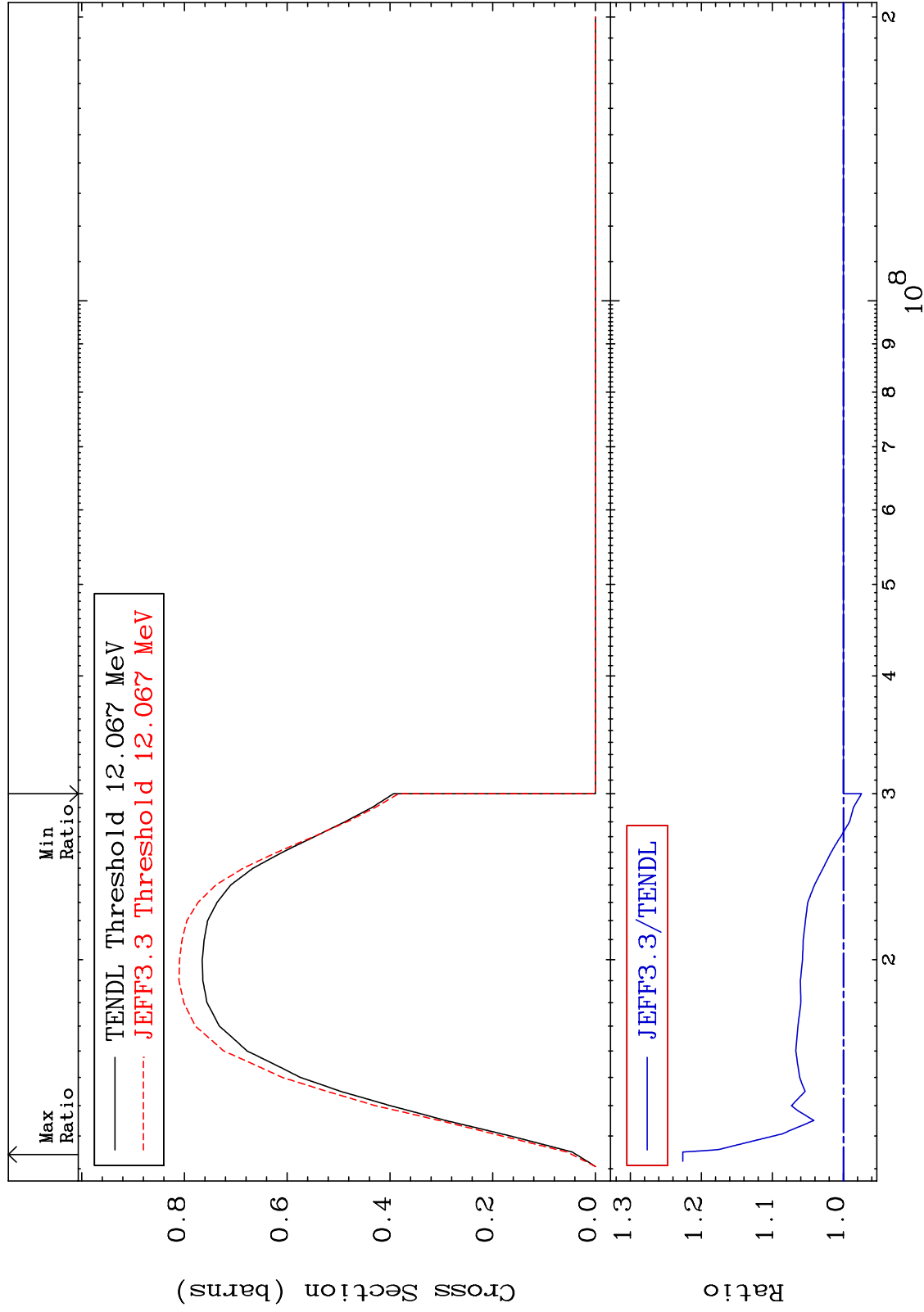


MAT 3825

(n,2n):38-Sr-83g

38-Sr-84

Radionuclide Production Cross Section -2.553 To 22.60 %

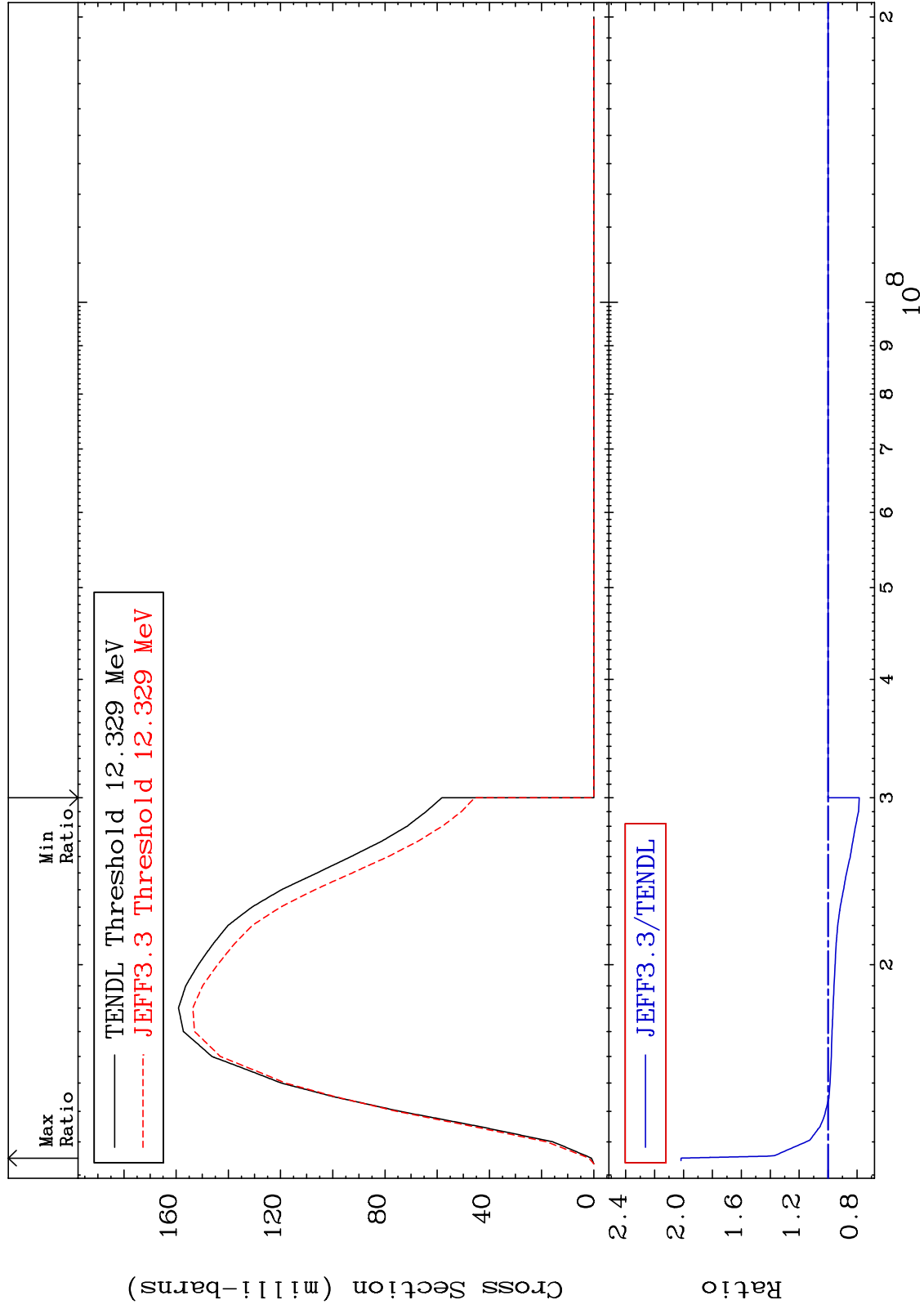


MAT 3825

(n,2n):38-Sr-83m2

38-Sr-84

Radionuclide Production Cross Section -21.59 To 101.7 %



78

Incident Energy (eV)

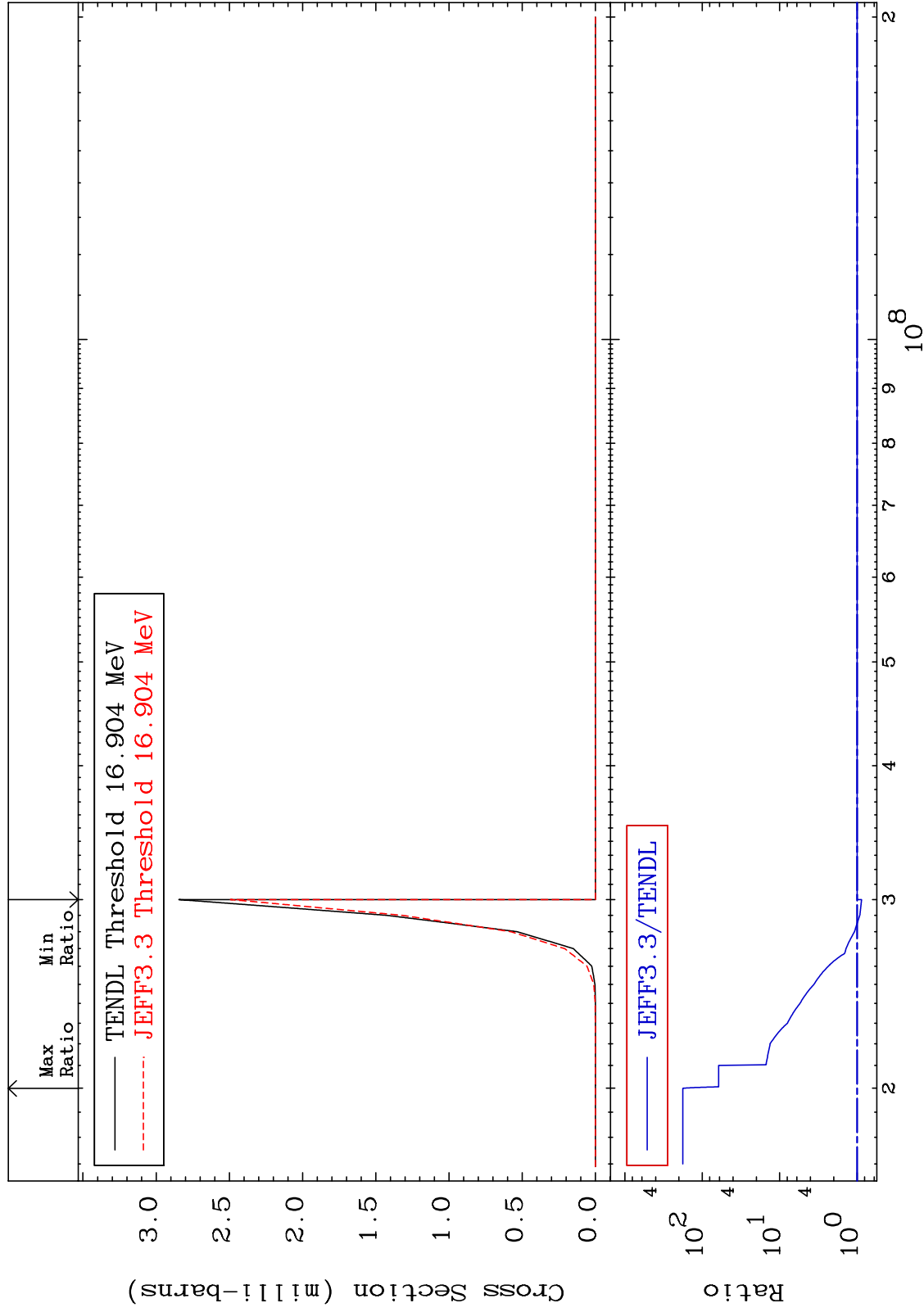
38-Sr-84

MAT 3825

(n,2n) α :36-Kr-79g

38-Sr-84

Radionuclide Production Cross Section -12.39 To 9999. %



79

Incident Energy (eV)

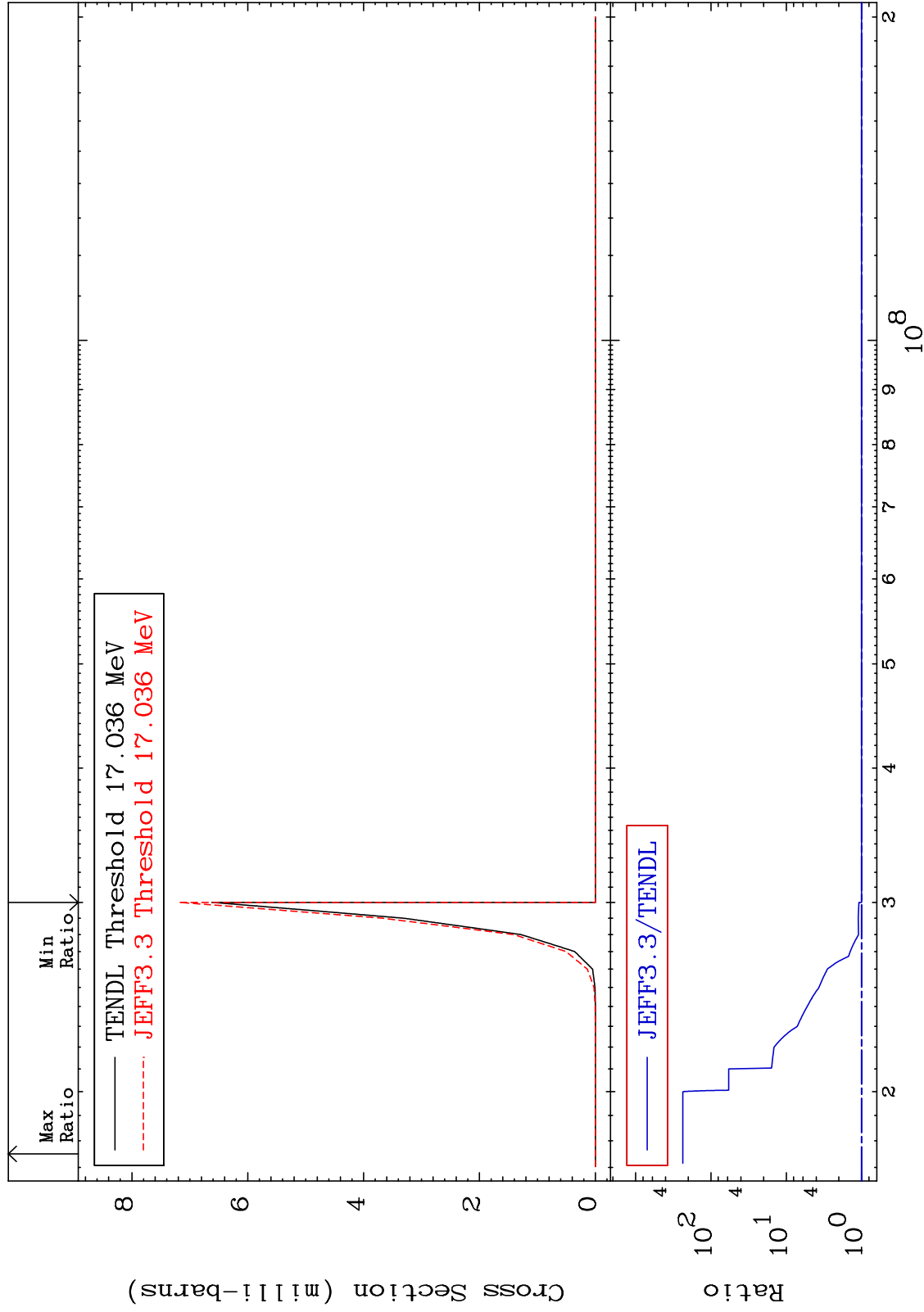
38-Sr-84

MAT 3825

(n,2n) α :36-Kr-79m1

38-Sr-84

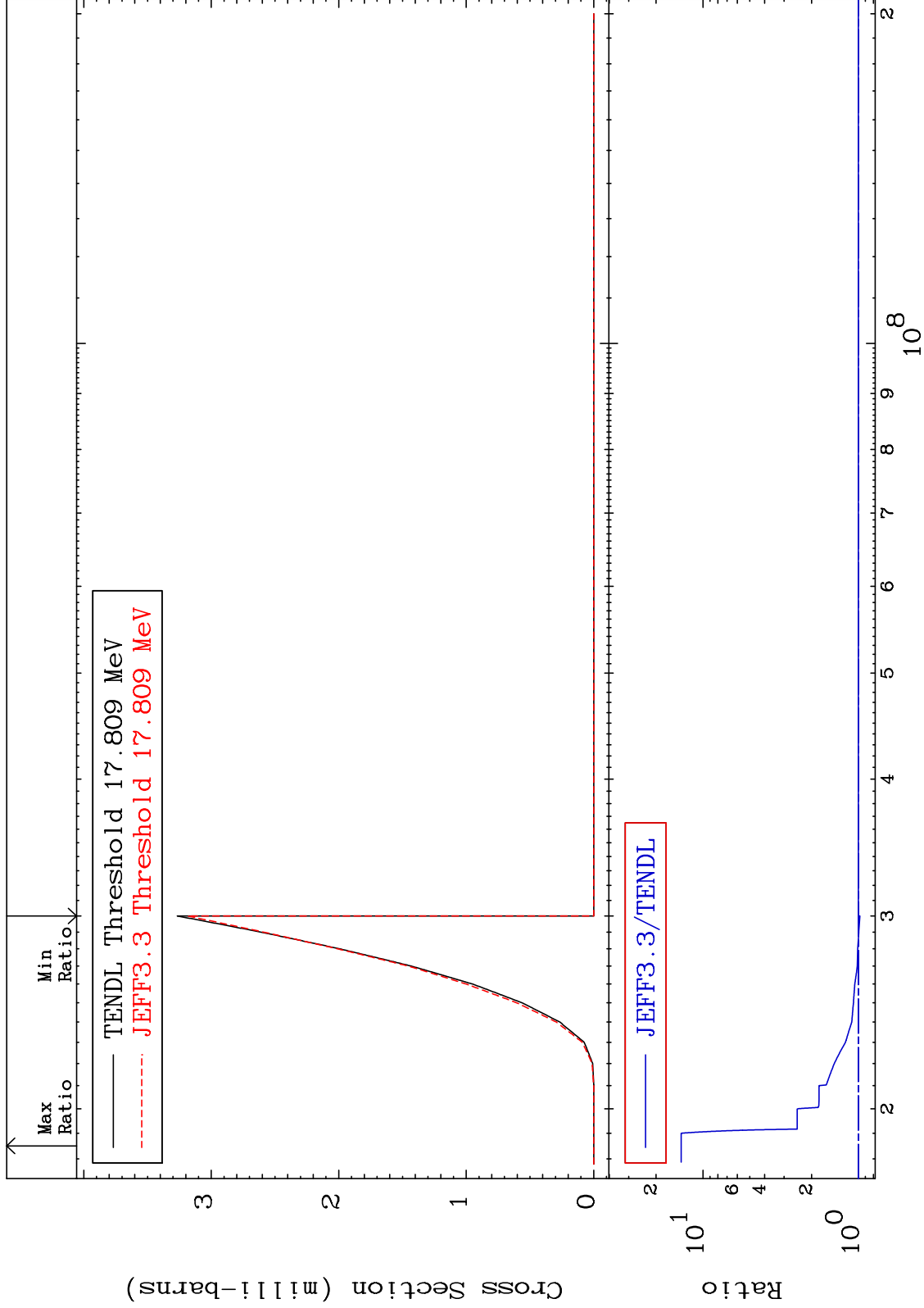
Radionuclide Production Cross Section 0.000 To 9999. %



80

Incident Energy (eV)

38-Sr-84

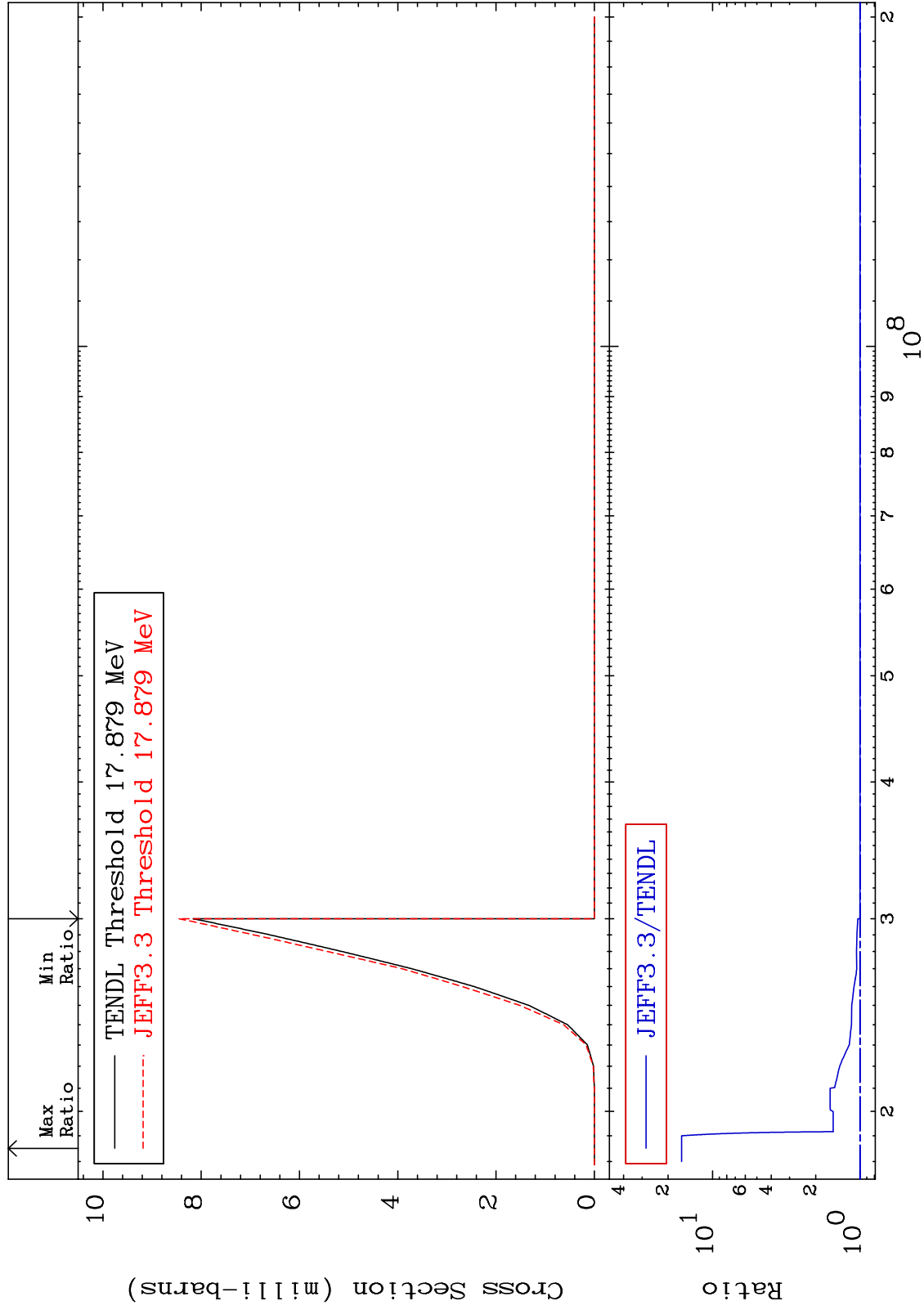


MAT 3825

(n, n') d:37-Rb-82m1

38-Sr-84

Radionuclide Production Cross Section 0.000 To 1518. %



82

Incident Energy (eV)

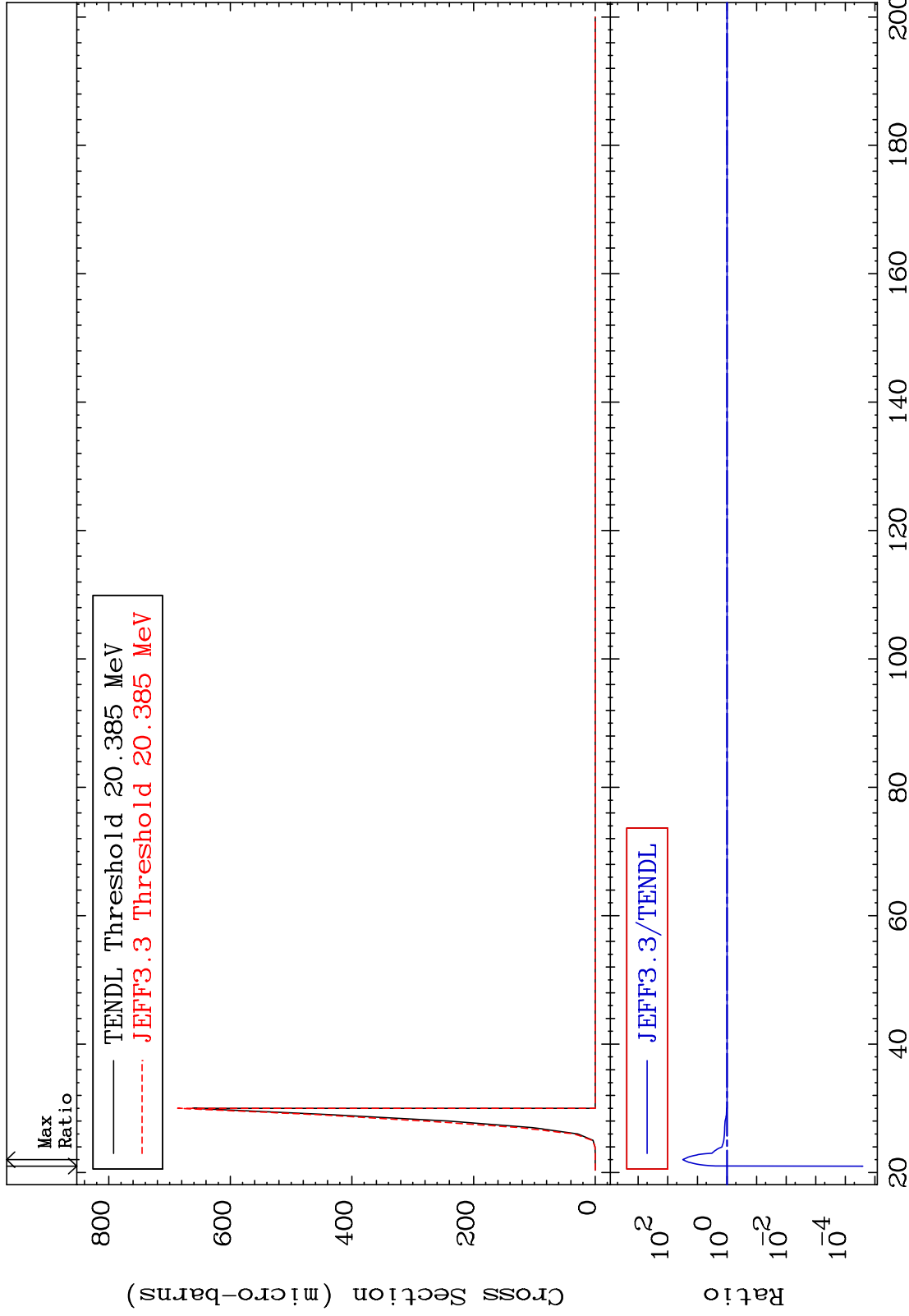
38-Sr-84

MAT 3825

(n, n') t: 37-Rb-81g

38-Sr-84

Radionuclide Production Cross Section -100.0 To 2994. %



83

Incident Energy (MeV)

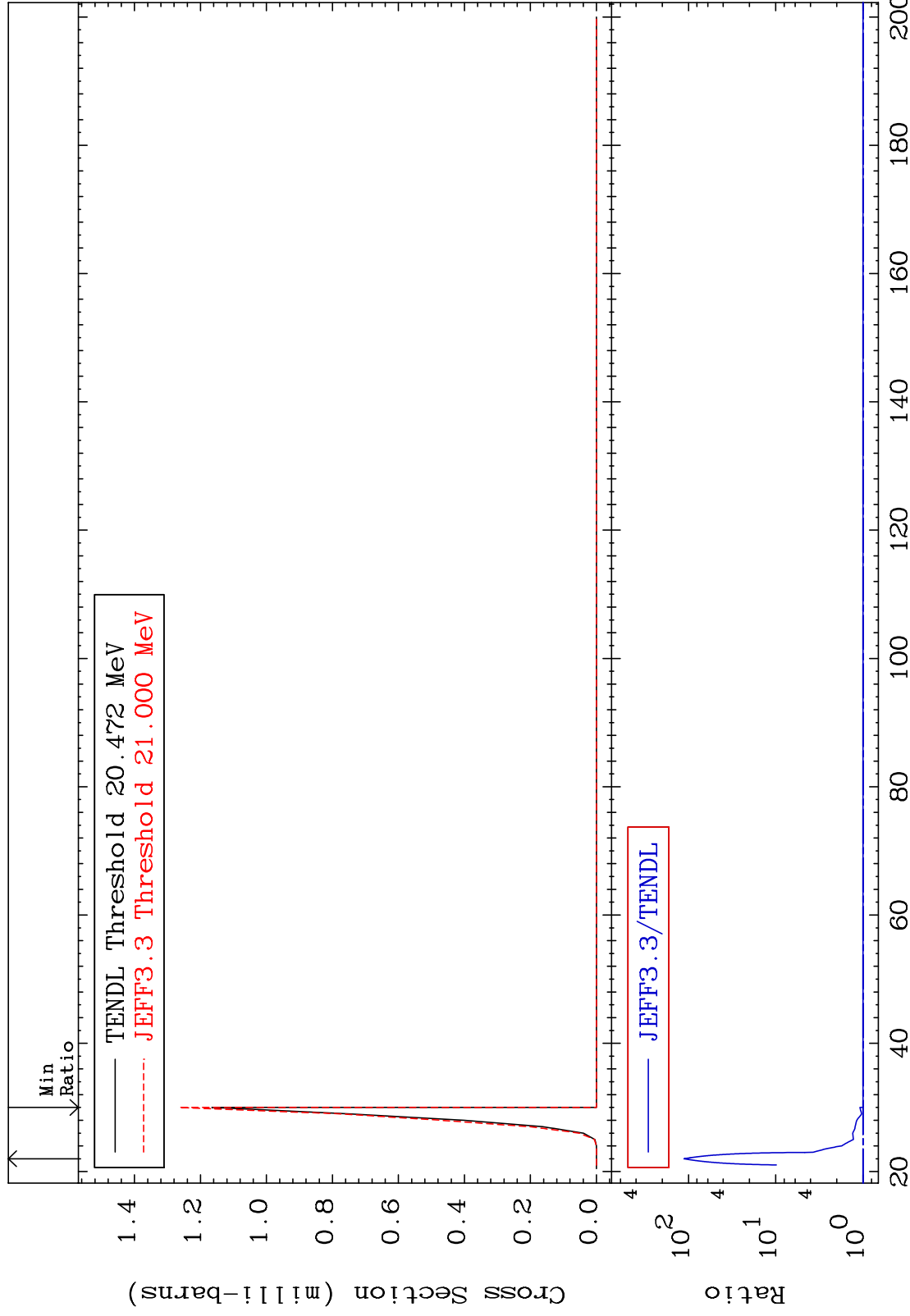
38-Sr-84

MAT 3825

(n, n') t:37-Rb-81m1

38-Sr-84

Radionuclide Production Cross Section 0.000 To 9999. %

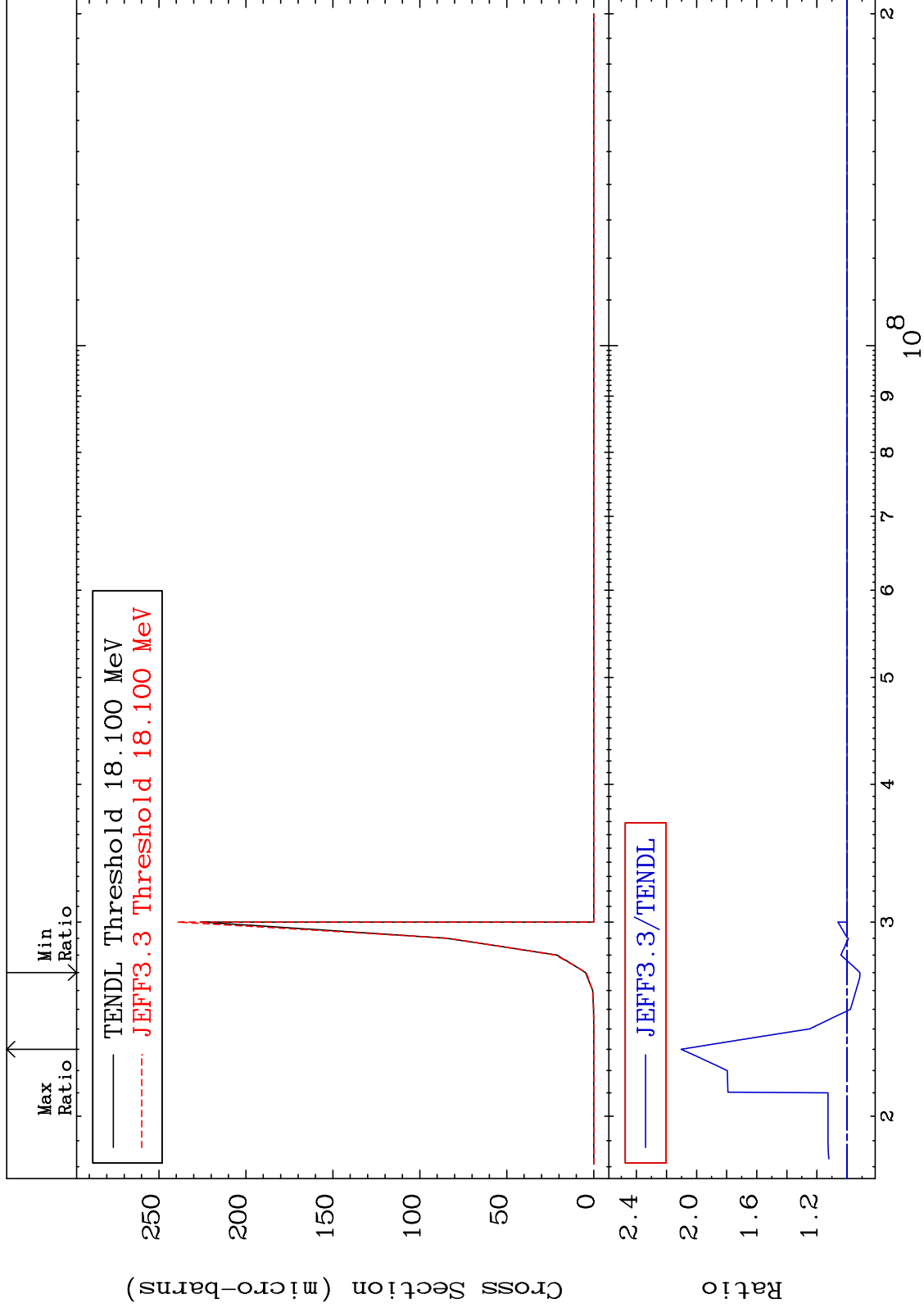


MAT 3825

(n, n') He-3:36-Kr-81g

38-Sr-84

Radionuclide Production Cross Section -8.601 To 110.2 %



85

Incident Energy (eV)

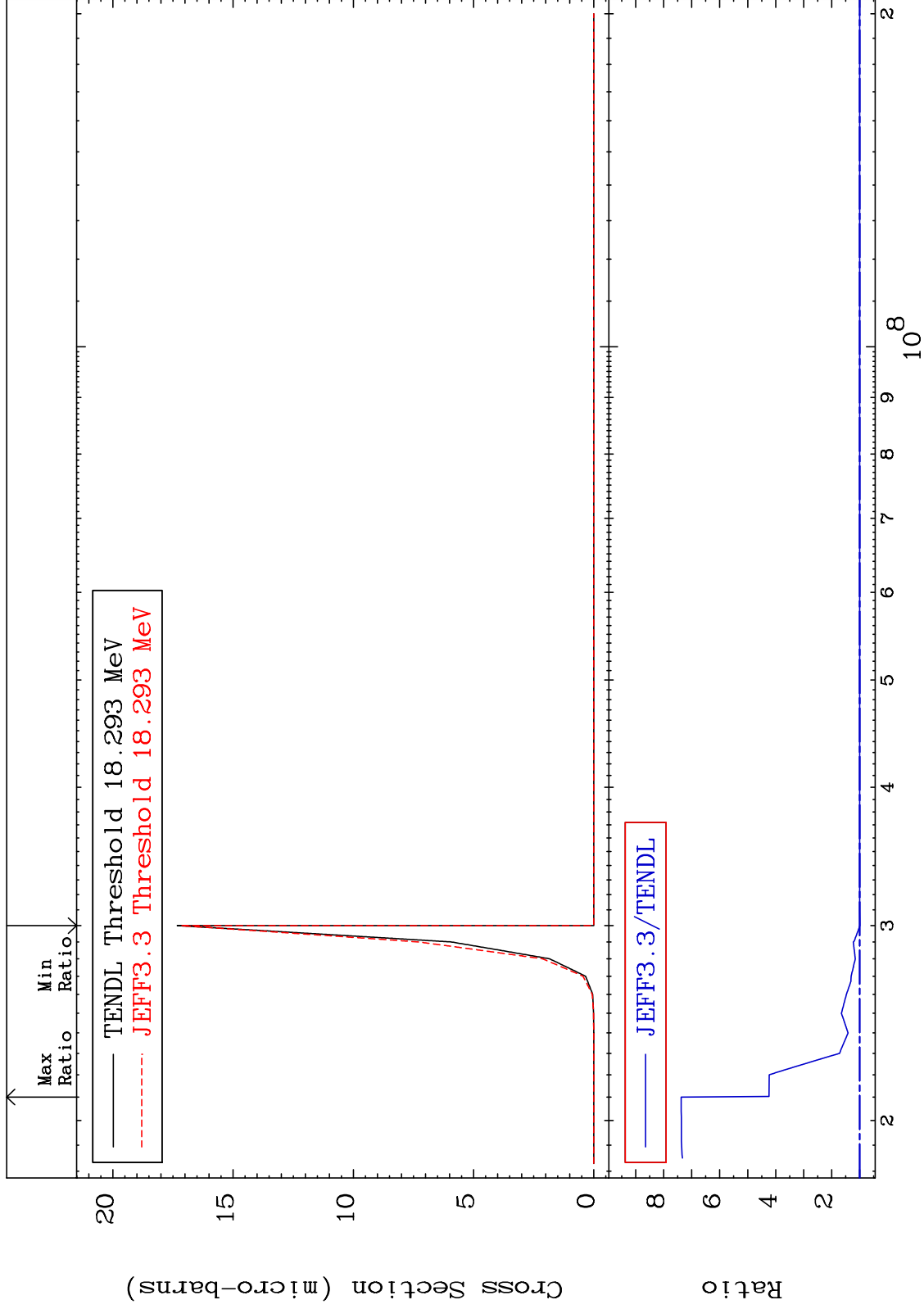
38-Sr-84

MAT 3825

(n, n') He-3:36-Kr-81m2

38-Sr-84

Radionuclide Production Cross Section -0.830 To 637.4 %

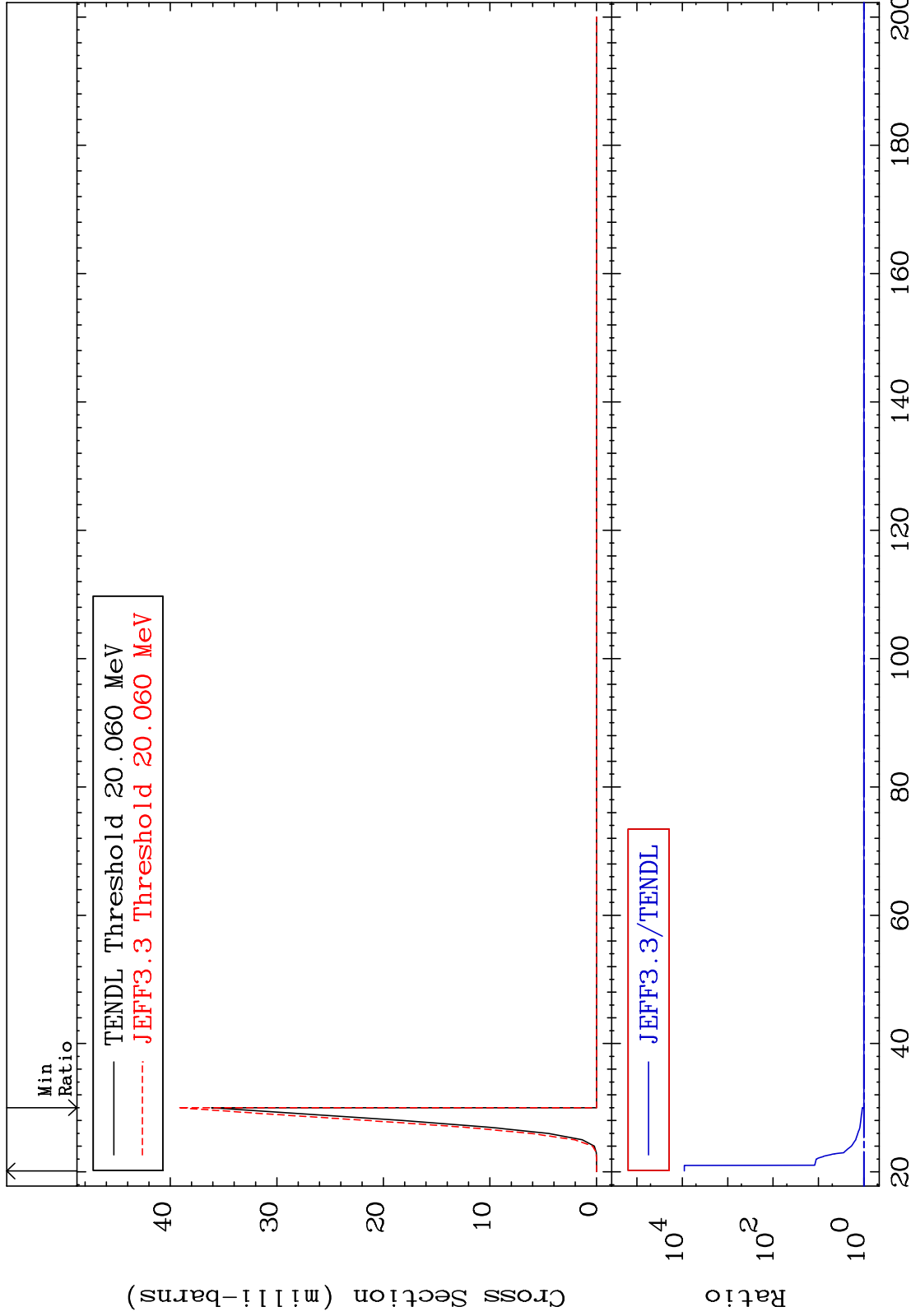


MAT 3825

(n,2n) p:37-Rb-82g

38-Sr-84

Radionuclide Production Cross Section 0.000 To 9999. %



87

Incident Energy (MeV)

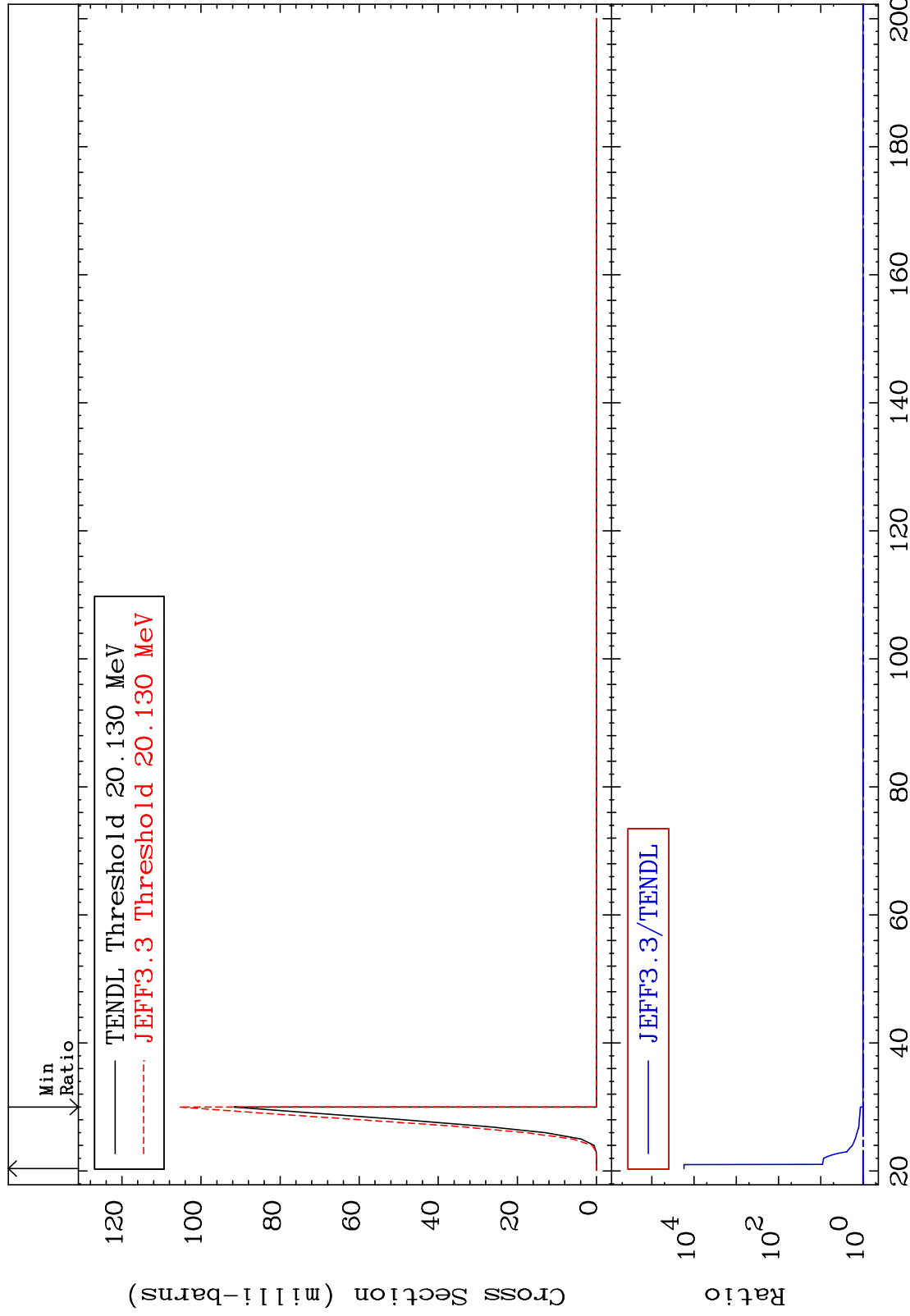
38-Sr-84

MAT 3825

(n,2n) p:37-Rb-82m1

38-Sr-84

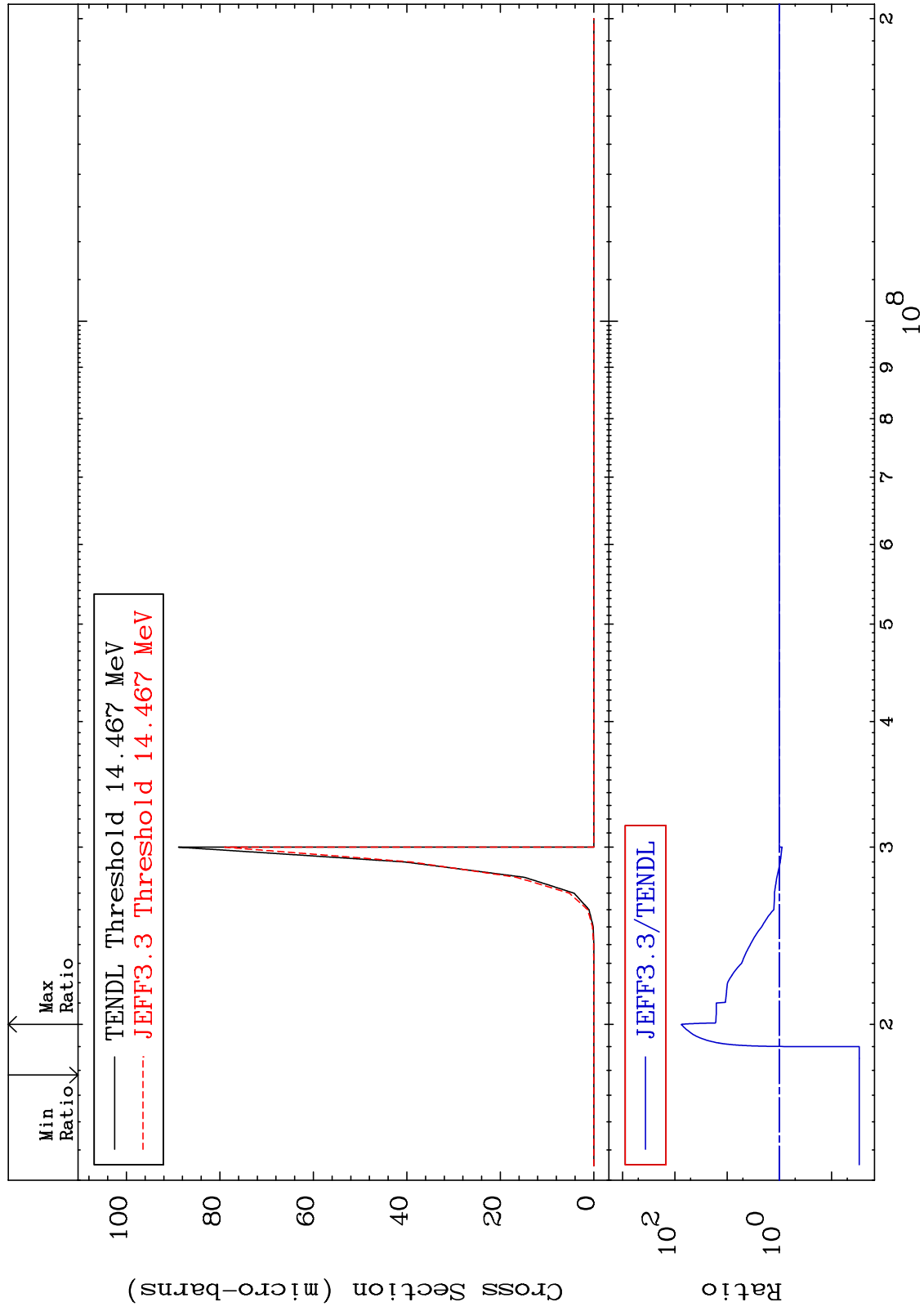
Radionuclide Production Cross Section 0.000 To 9999. %

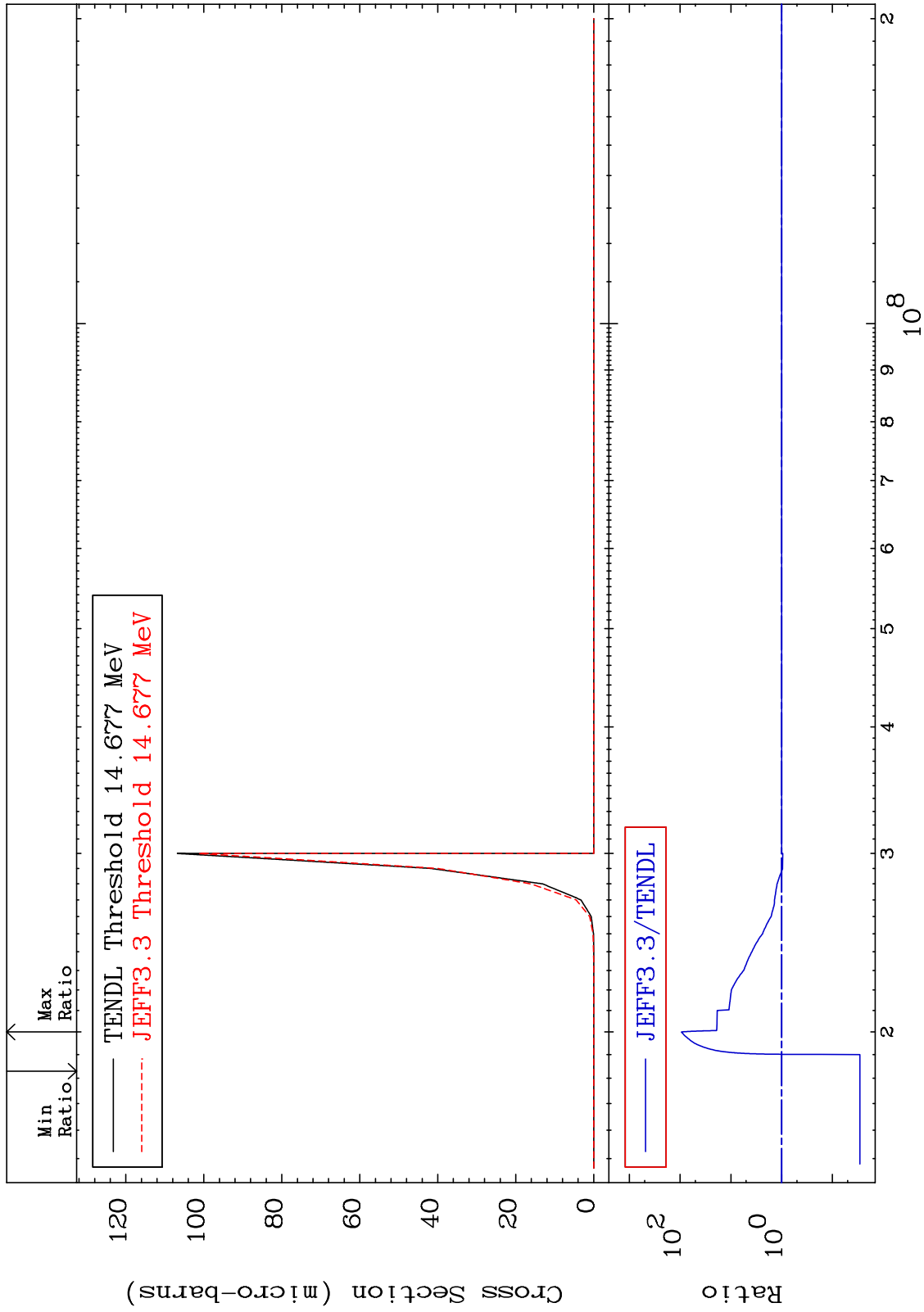


88

Incident Energy (MeV)

38-Sr-84



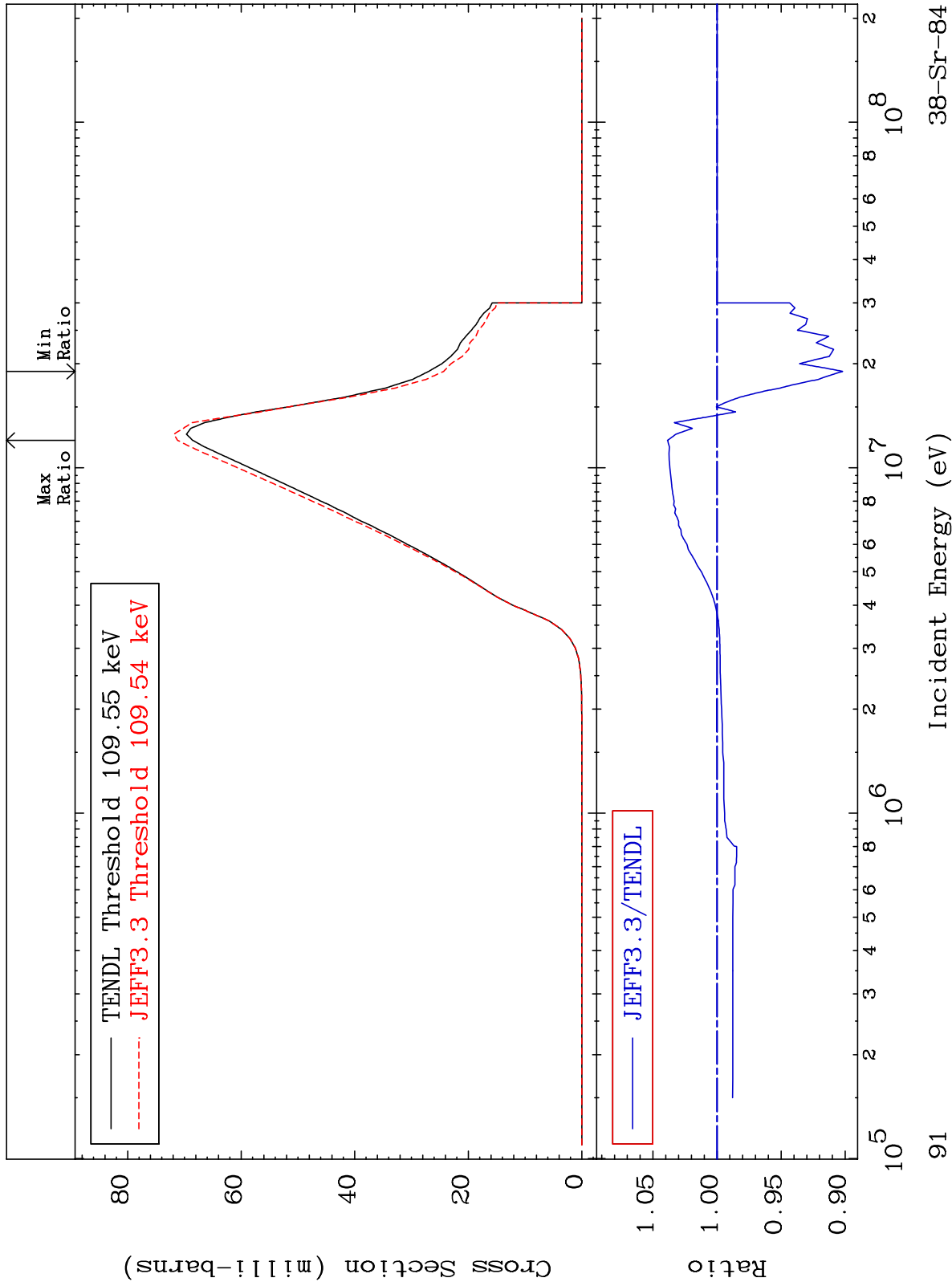


MAT 3825

(n,p):37-Rb-84g

38-Sr-84

Radionuclide Production Cross Section -9.800 To 3.863 %



91

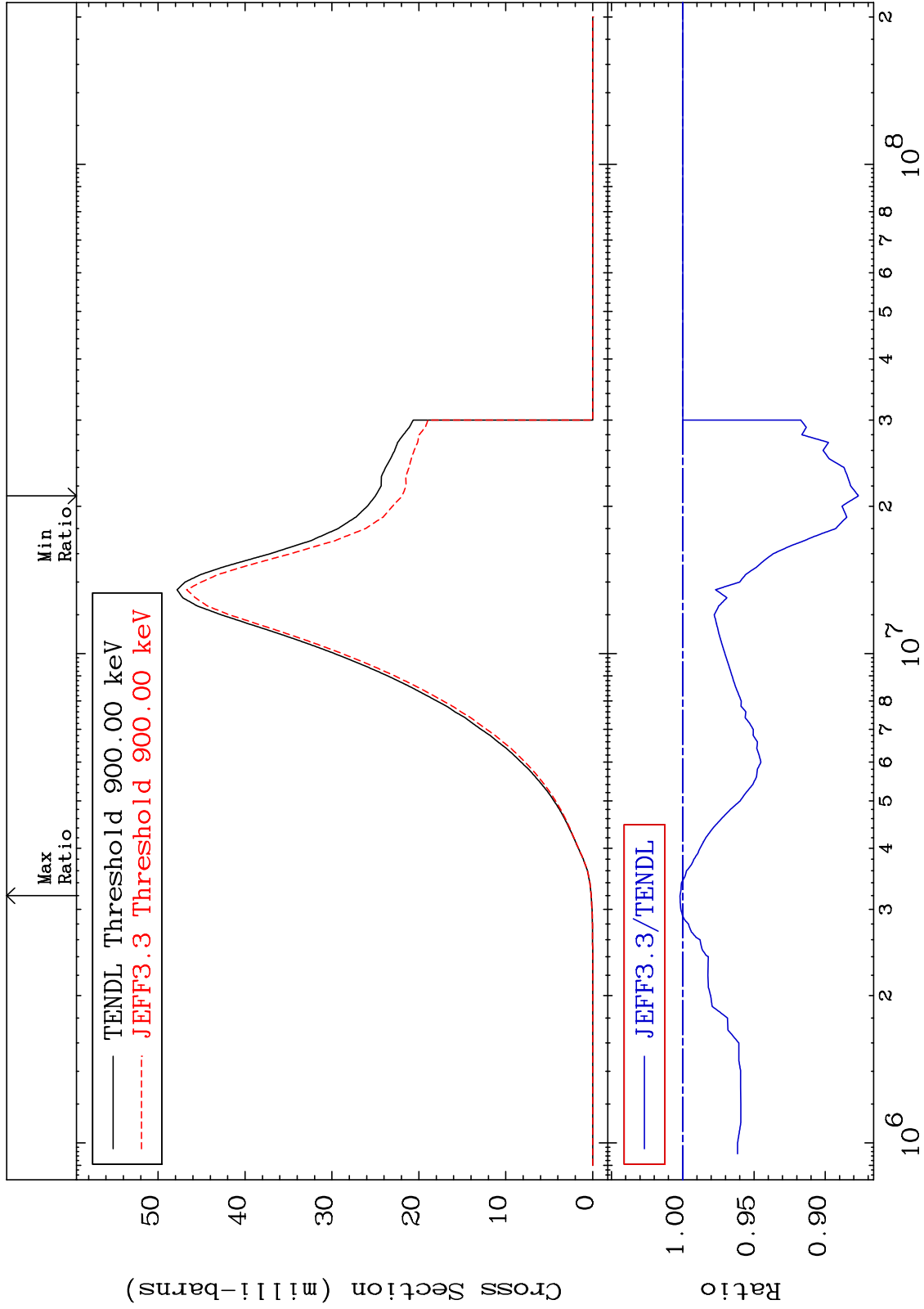
38-Sr-84

MAT 3825

(n,p):37-Rb-84m2

38-Sr-84

Radionuclide Production Cross Section -12.32 To 0.190 %



92

Incident Energy (eV)

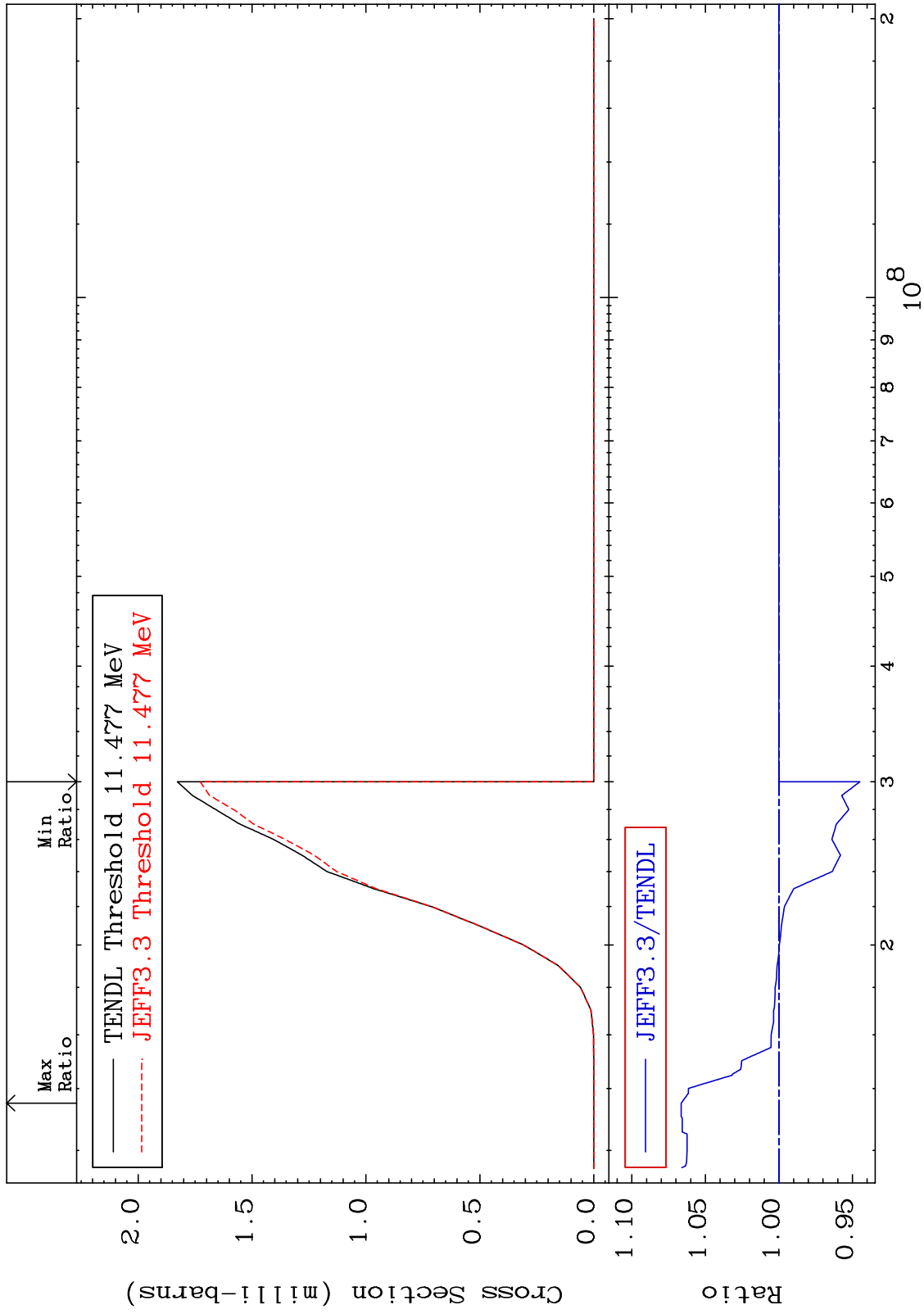
38-Sr-84

MAT 3825

38-Sr-84

(n, t) : 37-Rb-82g

Radionuclide Production Cross Section -5.508 To 6.642 %

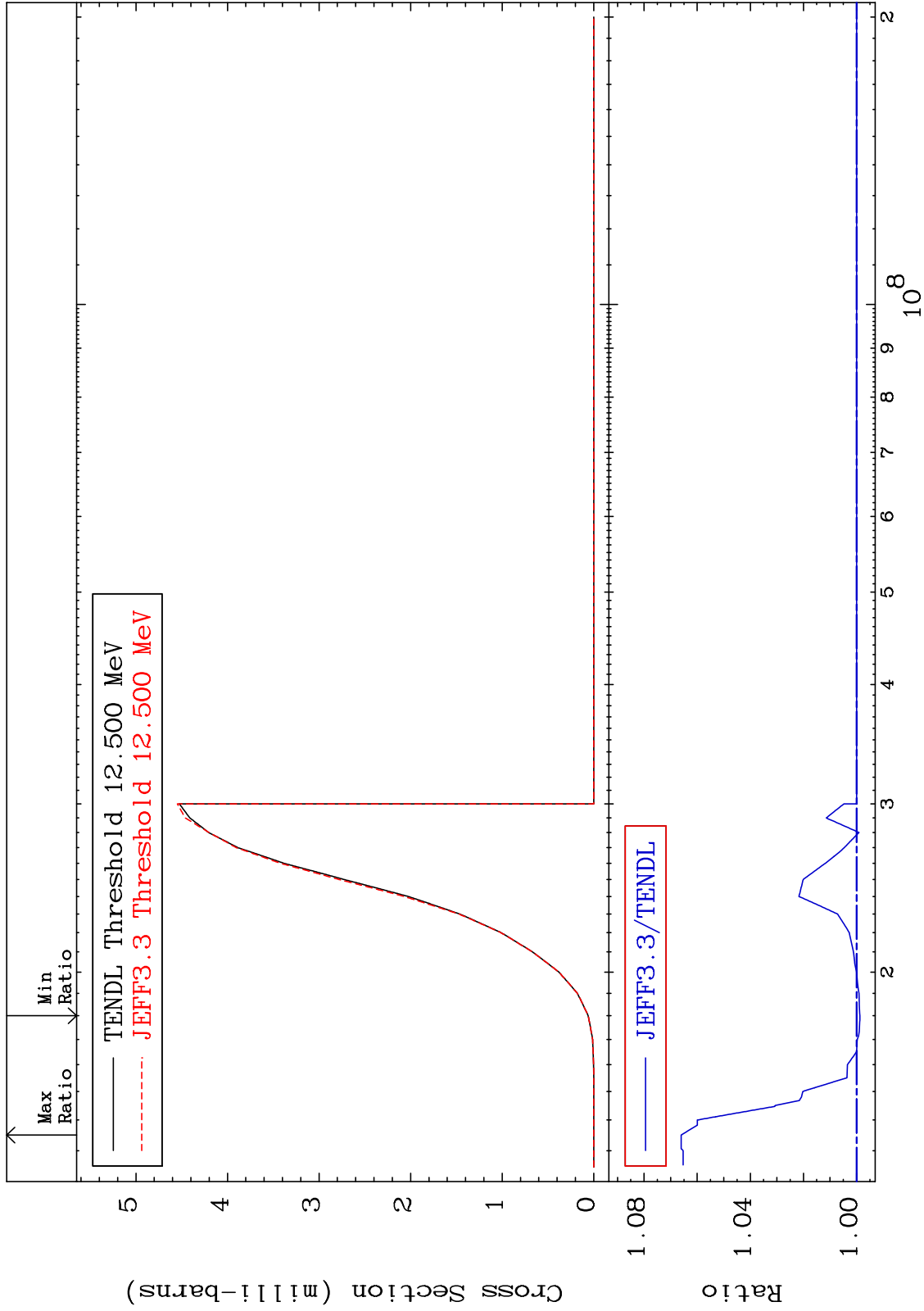


MAT 3825

(n, t): 37-Rb-82m1

38-Sr-84

Radionuclide Production Cross Section -0.127 To 6.601 %

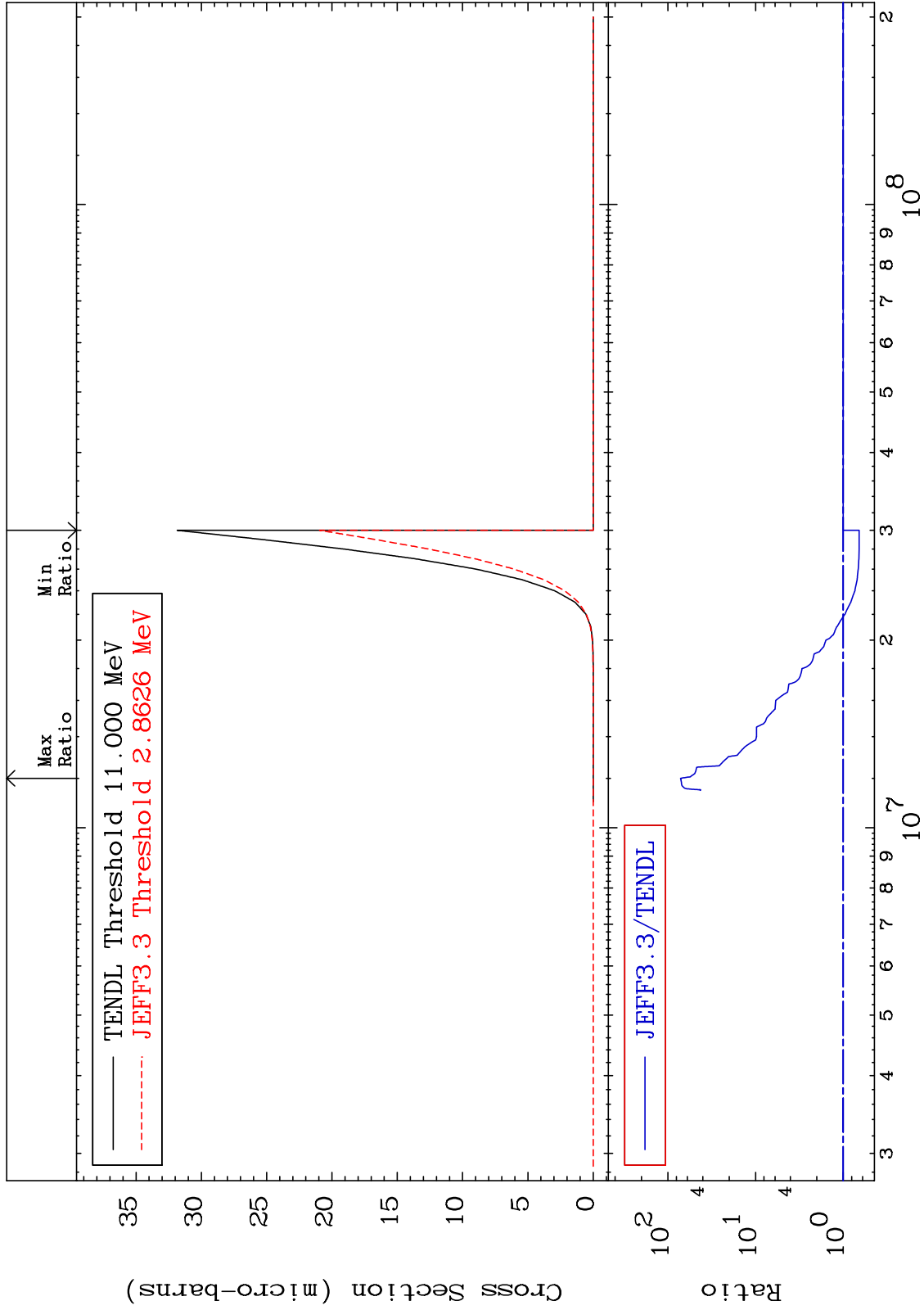


MAT 3825

38-Sr-84

(n,2α):34-Se-77g

Radionuclide Production Cross Section -34.23 To 7057. %



95

Incident Energy (eV)

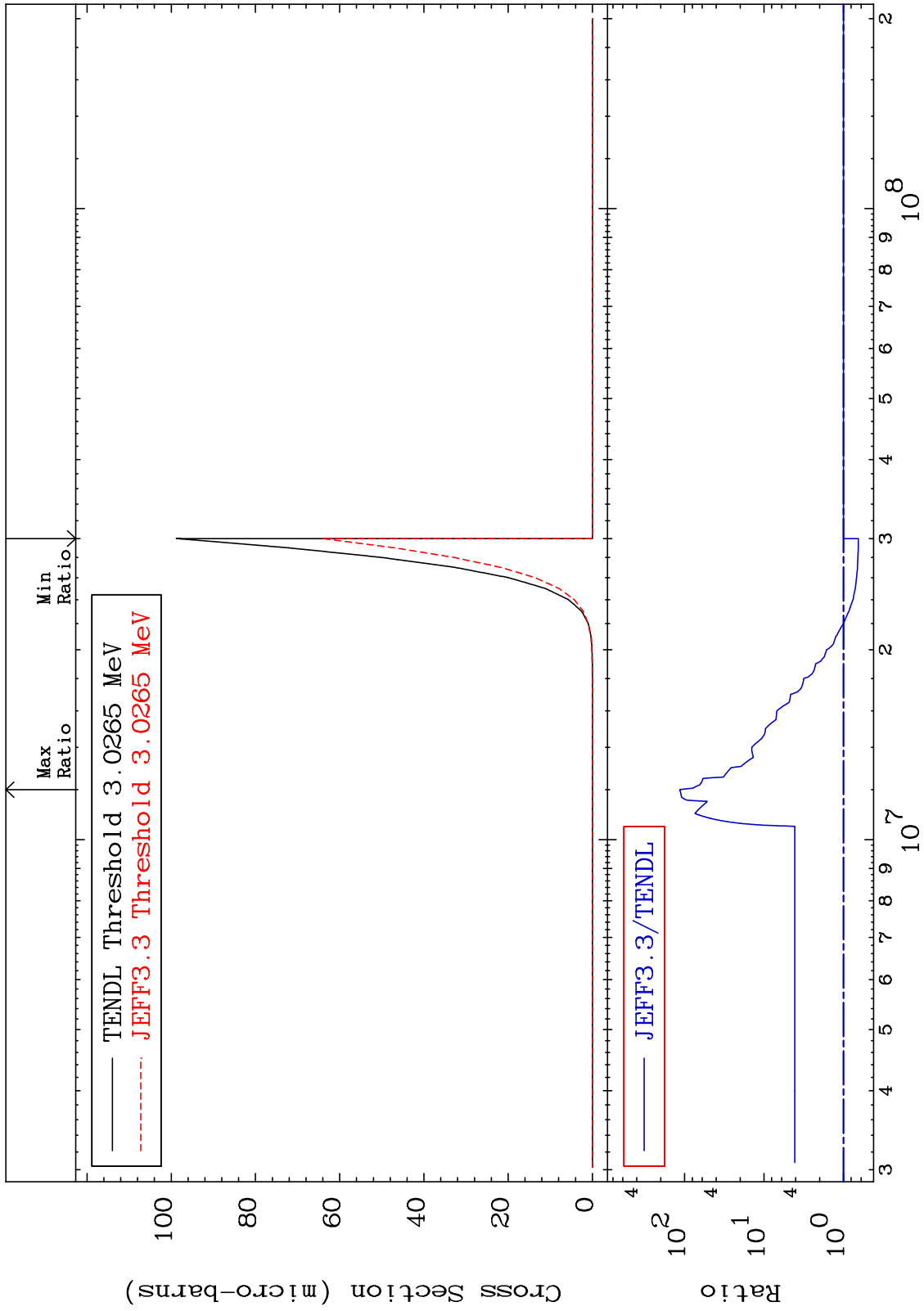
38-Sr-84

MAT 3825

(n,2α):34-Se-77m1

38-Sr-84

Radionuclide Production Cross Section -35.04 To 9999. %

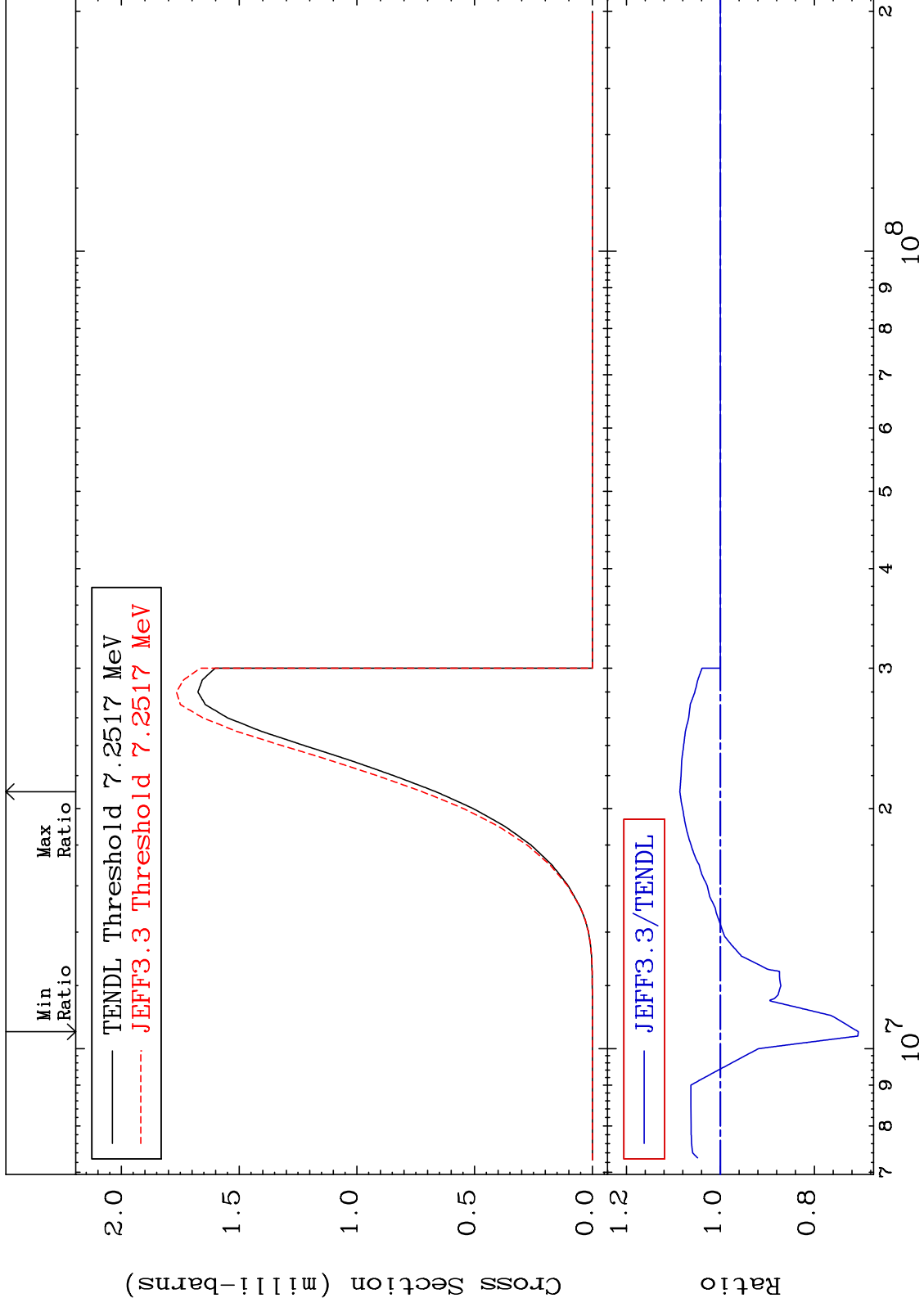


MAT 3825

(n,2p):36-Kr-83g

38-Sr-84

Radionuclide Production Cross Section -29.38 To 8.651 %



97

Incident Energy (eV)

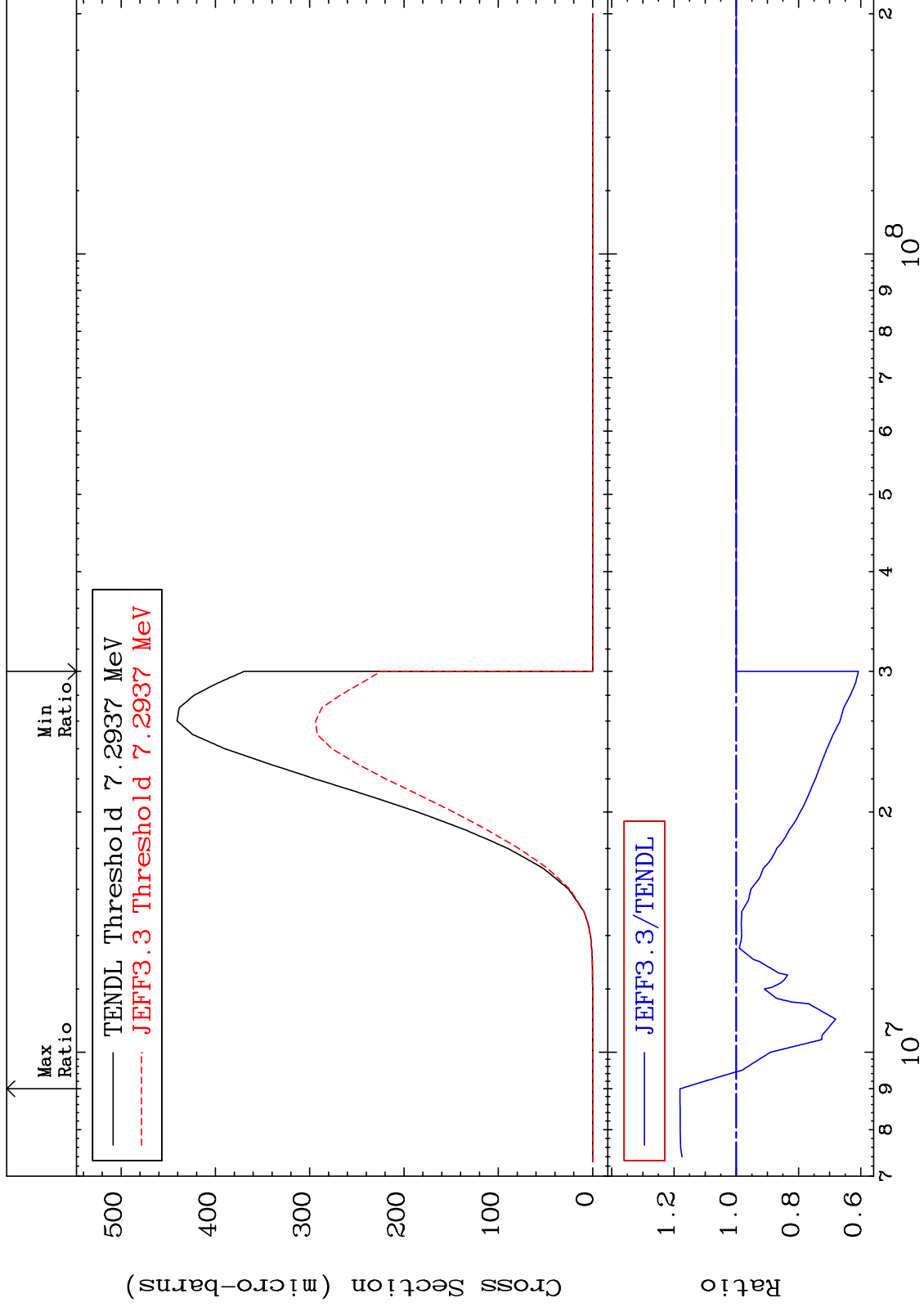
38-Sr-84

MAT 3825

(n,2p):36-Kr-83m2

38-Sr-84

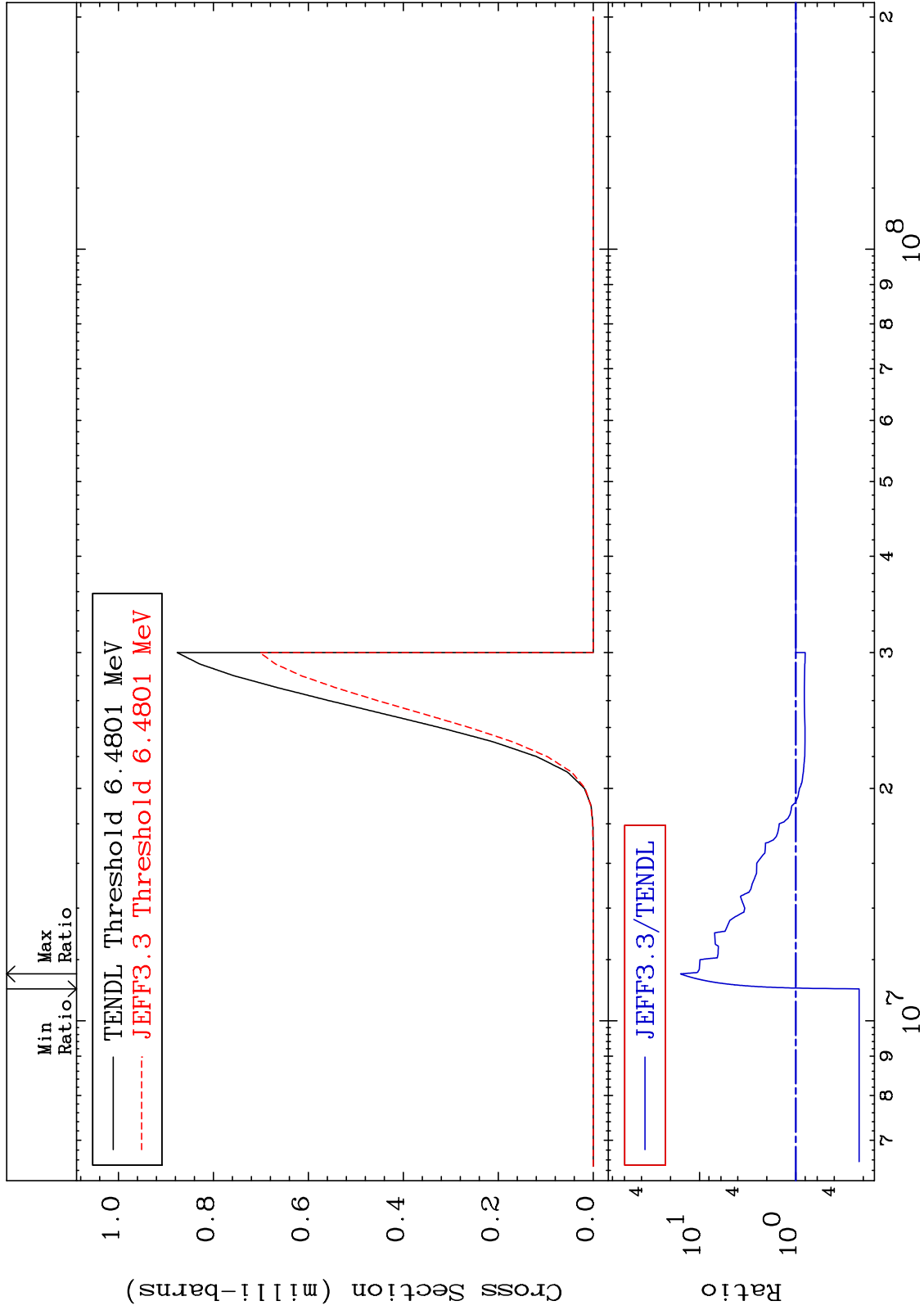
Radionuclide Production Cross Section -39.25 To 18.07 %



98

Incident Energy (eV)

38-Sr-84

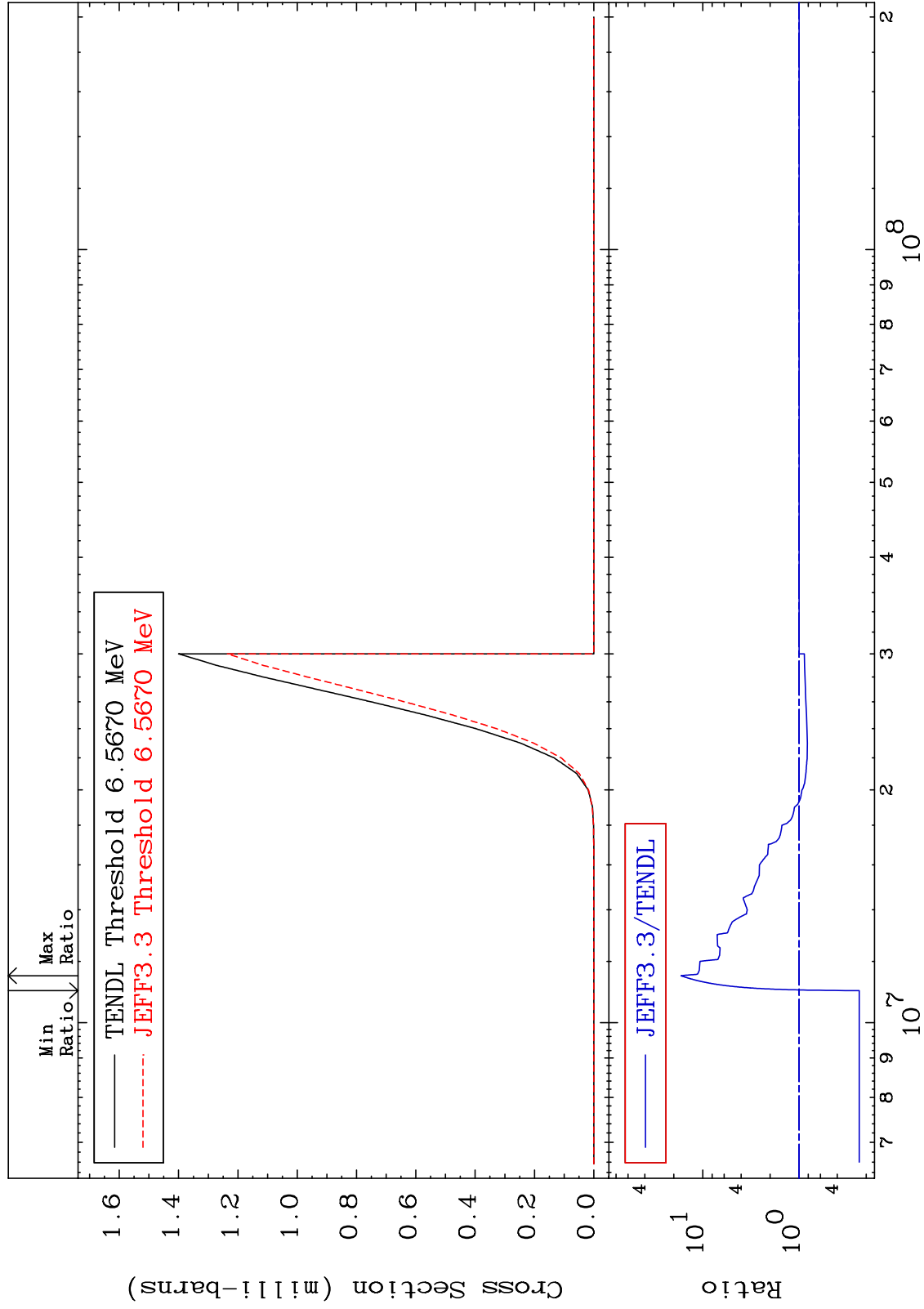


MAT 3825

(n, p) α : 35-Br-80m2

38-Sr-84

Radionuclide Production Cross Section -76.38 To 1584. %



100

Incident Energy (eV)

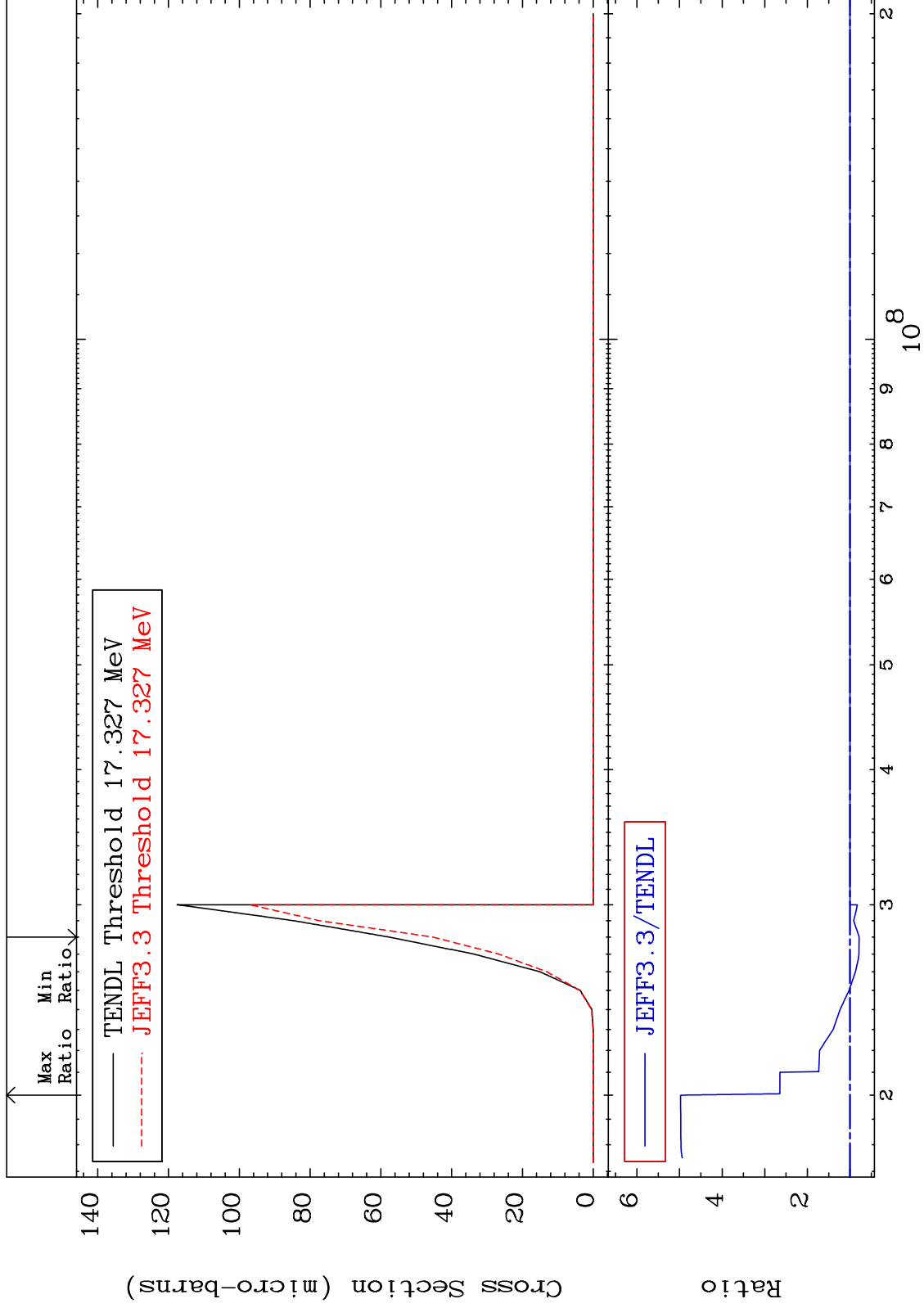
38-Sr-84

MAT 3825

(n,p) t:36-Kr-81g

38-Sr-84

Radionuclide Production Cross Section -21.52 To 397.4 %



MAT 3825

(n, p) t:36-Kr-81m2

38-Sr-84

Radionuclide Production Cross Section -31.31 To 213.9 %

