

Program Complot  
(Version 2018-1)

by

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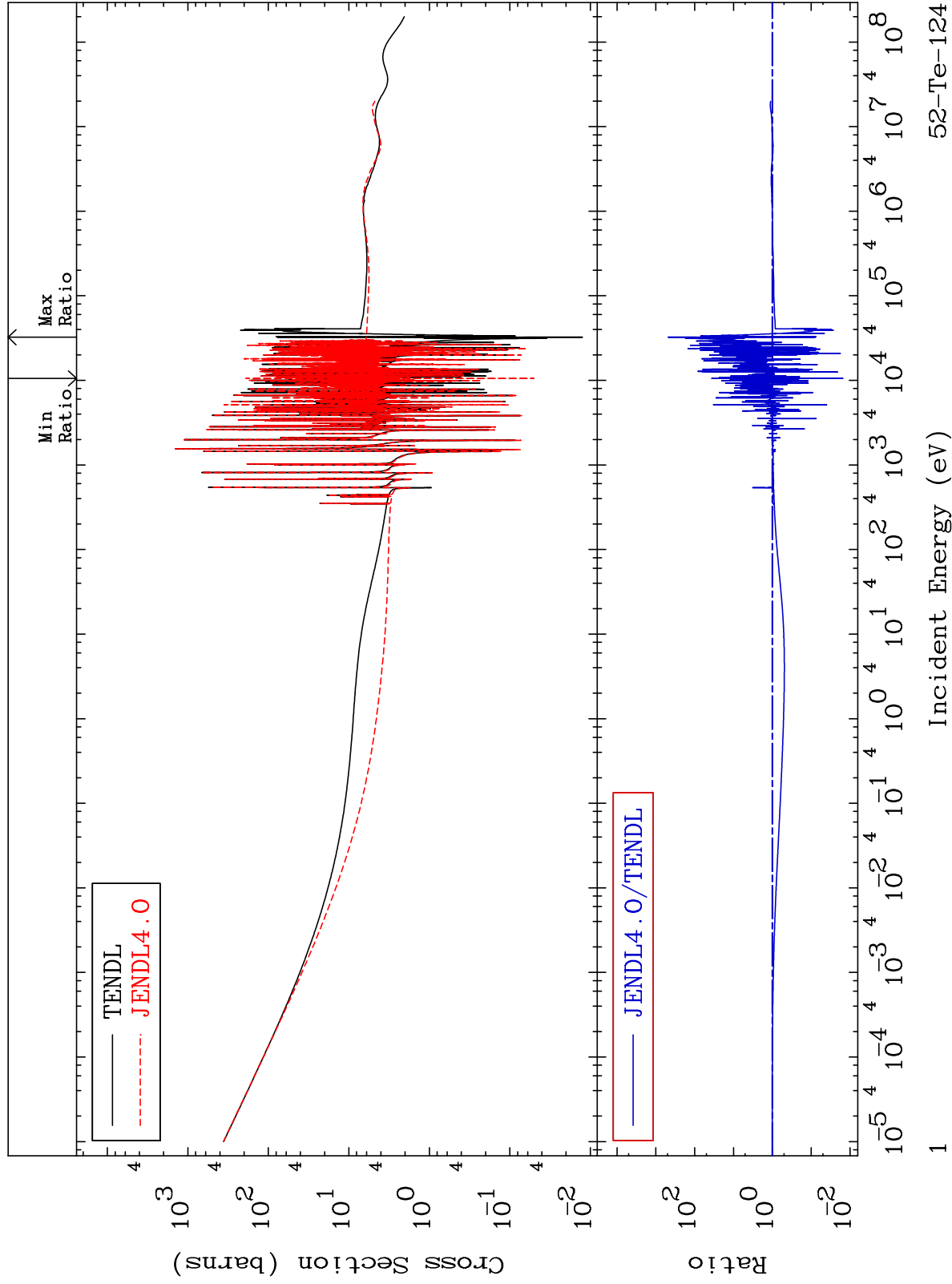
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5237

Total  
Cross Section

52-Te-124  
-98.47 To 9999. %



52-Te-124

Incident Energy (eV)

1

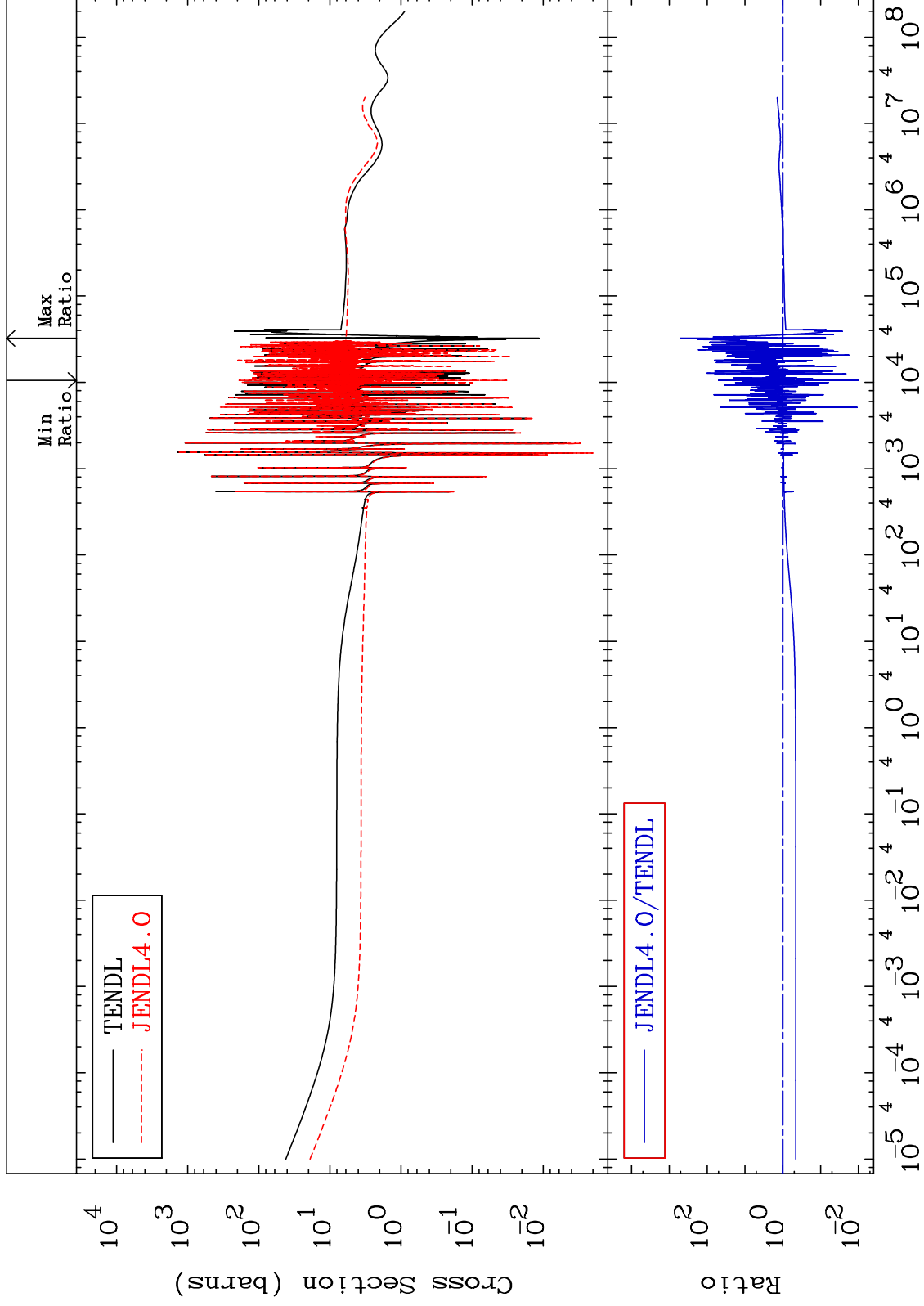
MAT 5237

Elastic

Cross Section

52-Te-124

-99.00 To 9999. %



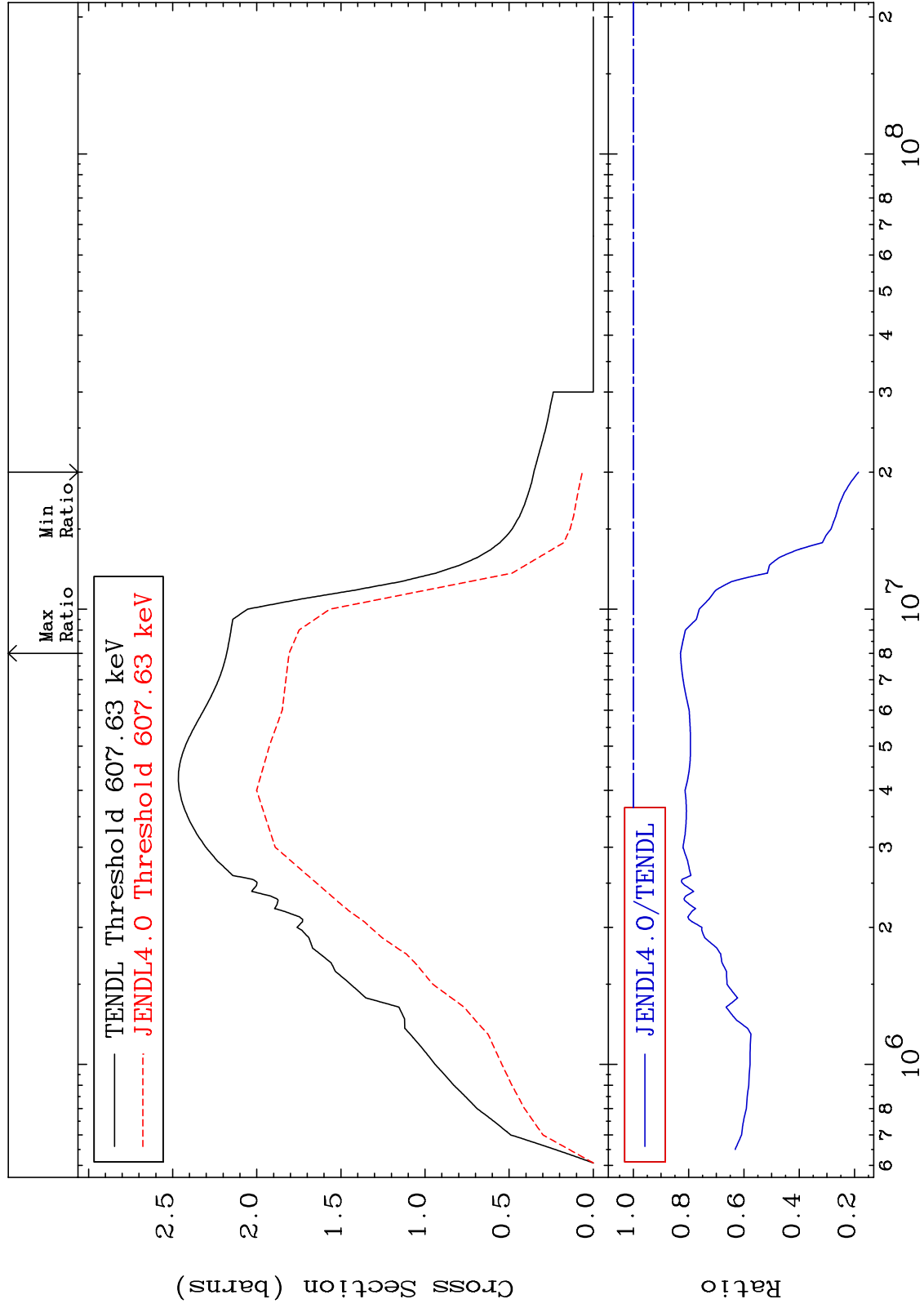
Incident Energy (eV)

52-Te-124

2

MAT 5237

Inelastic Cross Section  
52-Te-124  
-81.43 To -17.01%



3

Incident Energy (eV)

52-Te-124

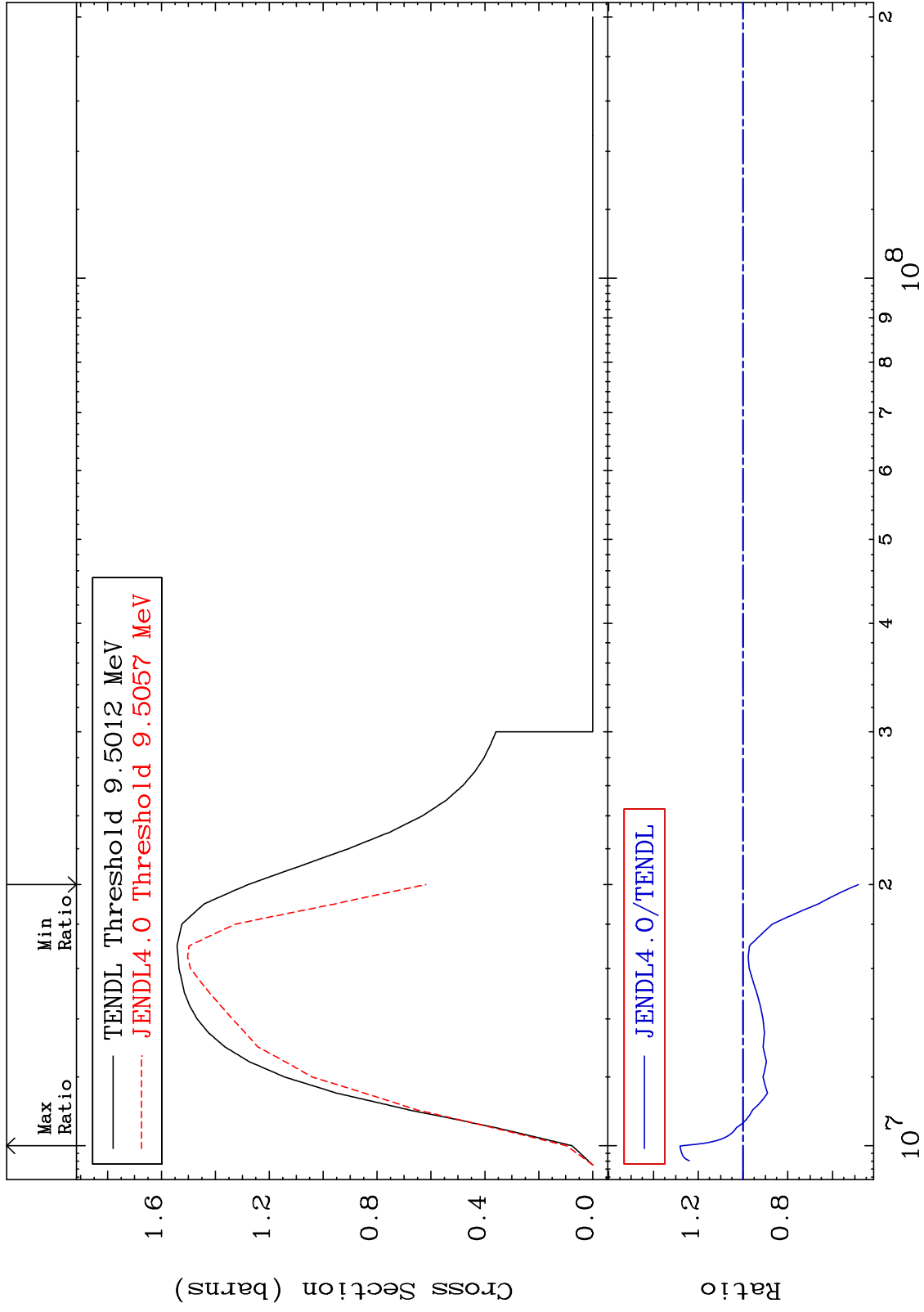
MAT 5237

(n,2n)

52-Te-124

Cross Section

-51.56 To 28.14 %



Incident Energy (eV)

52-Te-124

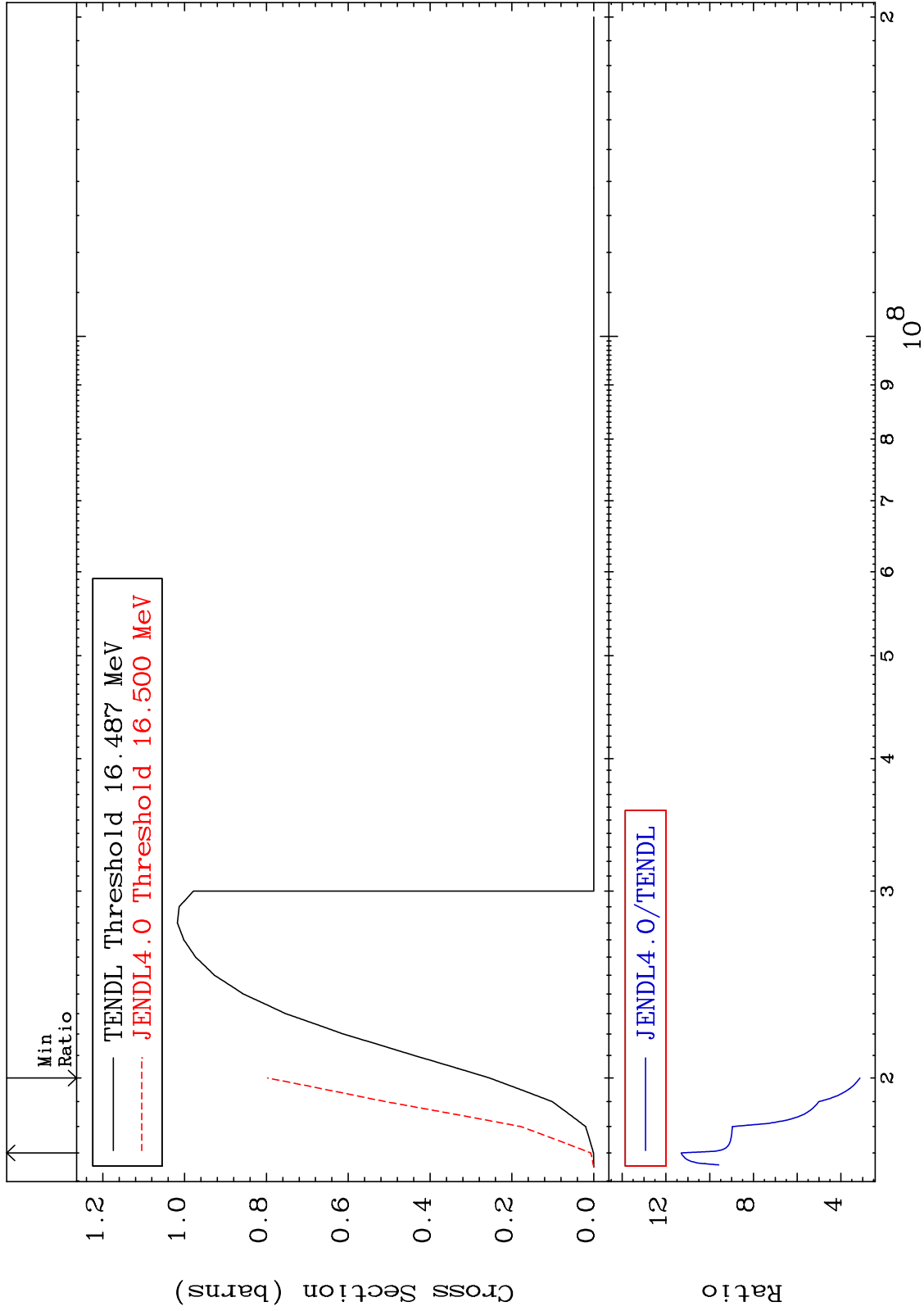
MAT 5237

(n, 3n)

52-Te-124

Cross Section

212.9 To 1030. %



5

Incident Energy (eV)

52-Te-124

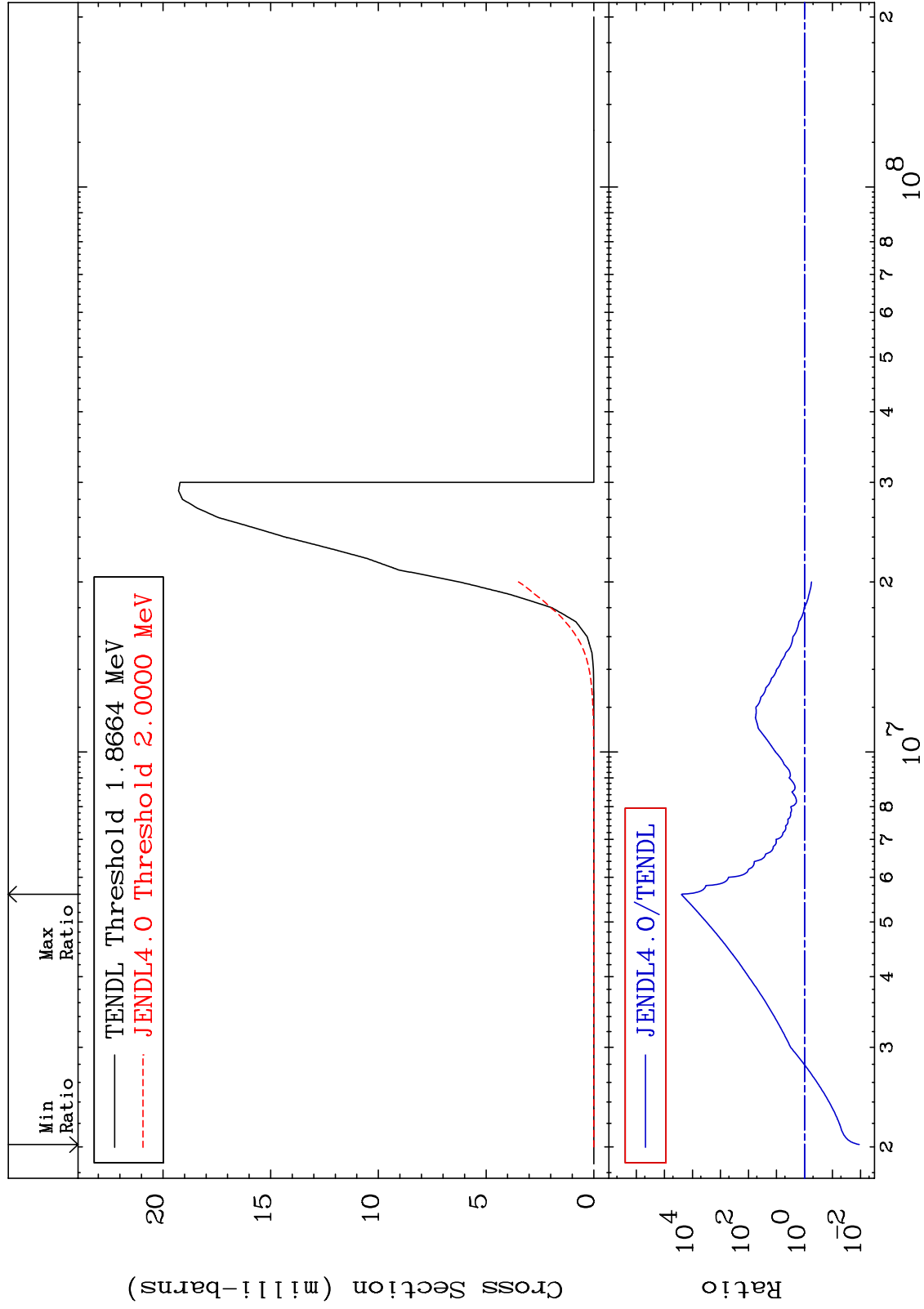
MAT 5237

(n,n')  $\alpha$

52-Te-124

-98.89 To 9999. %

Cross Section



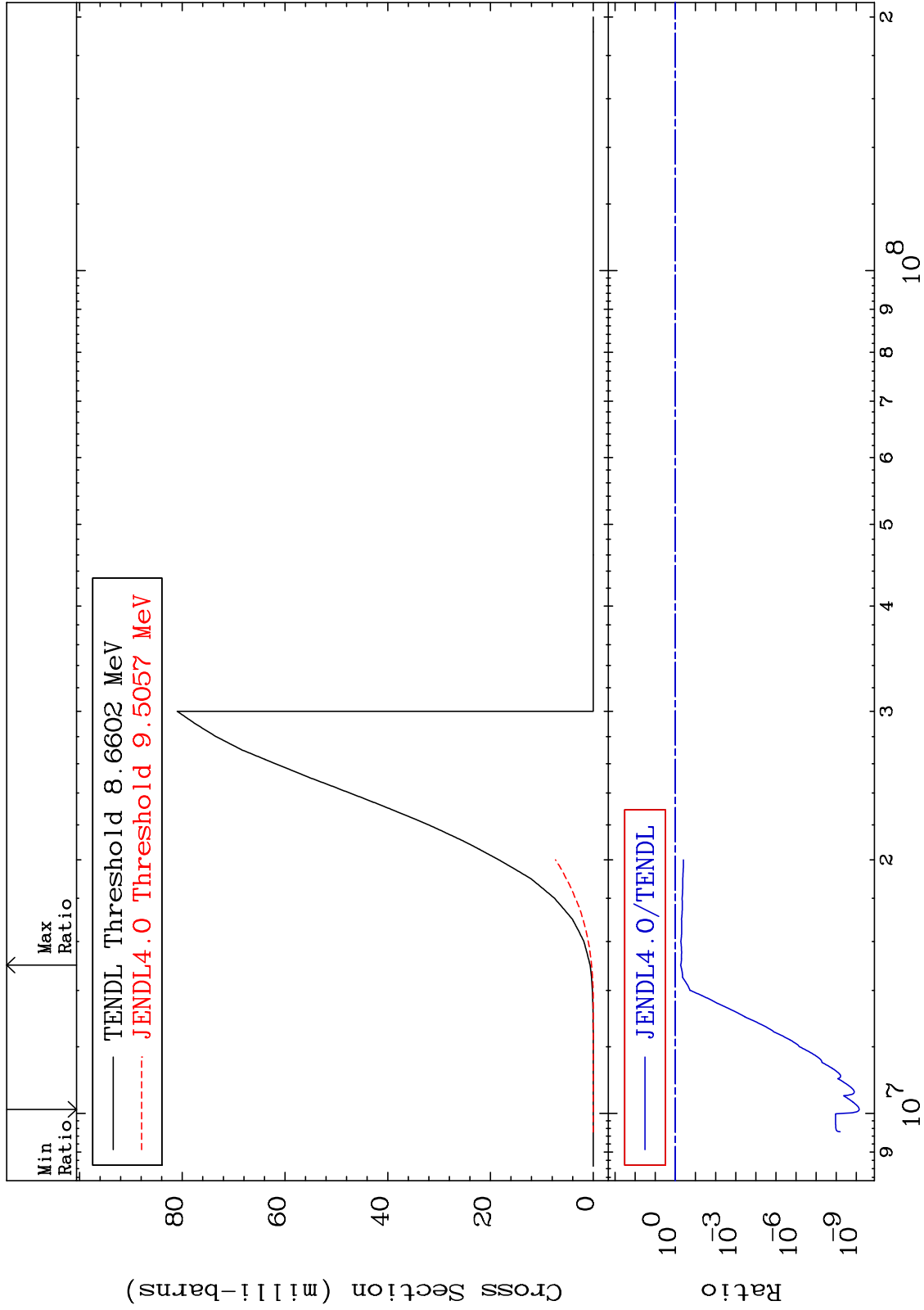
MAT 5237

(n,n') p

52-Te-124

Cross Section

-100.0 To -45.01%



7

Incident Energy (eV)

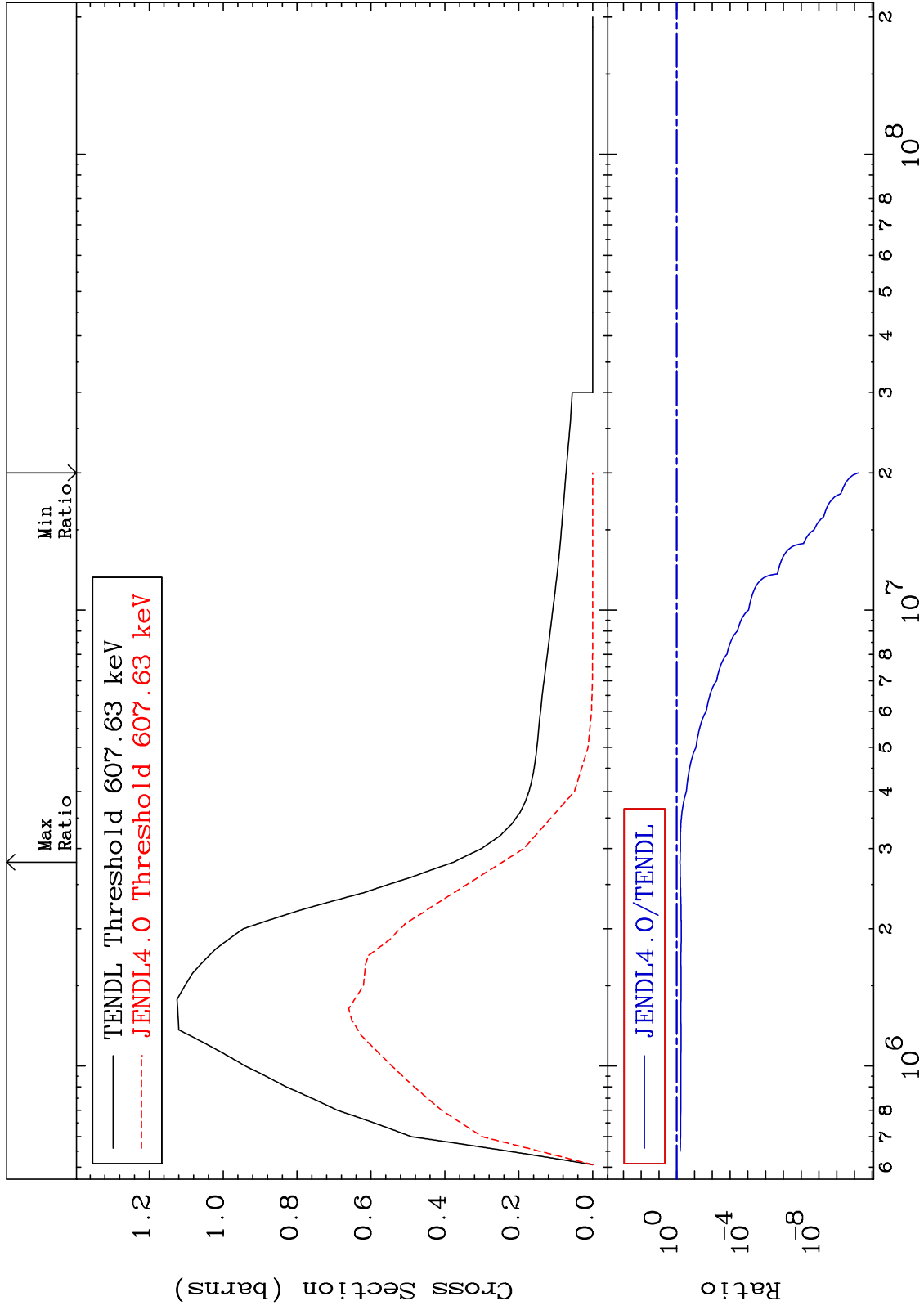
52-Te-124



MAT 5237

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

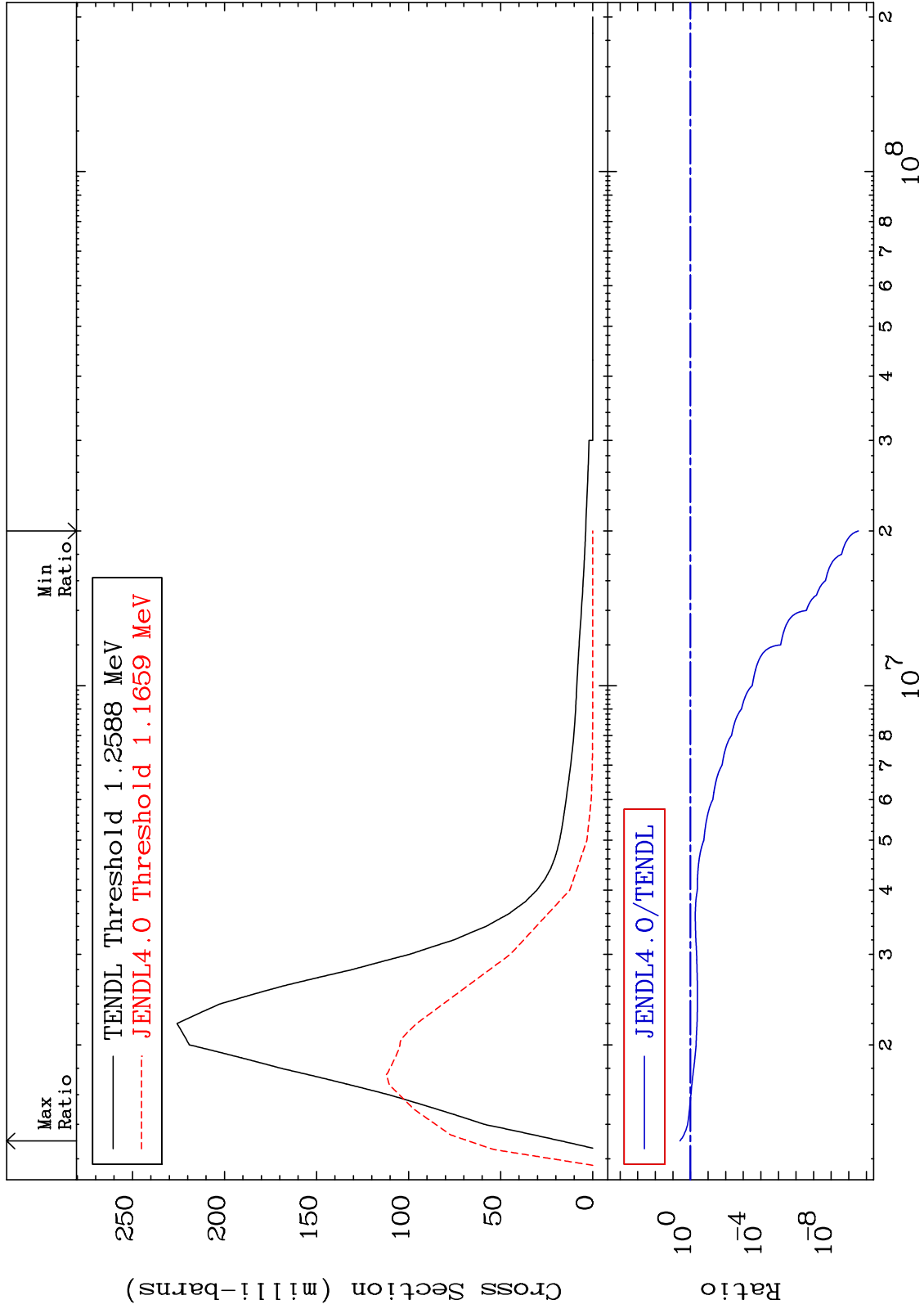
52-Te-124  
-100.0 To -34.96%



MAT 5237

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

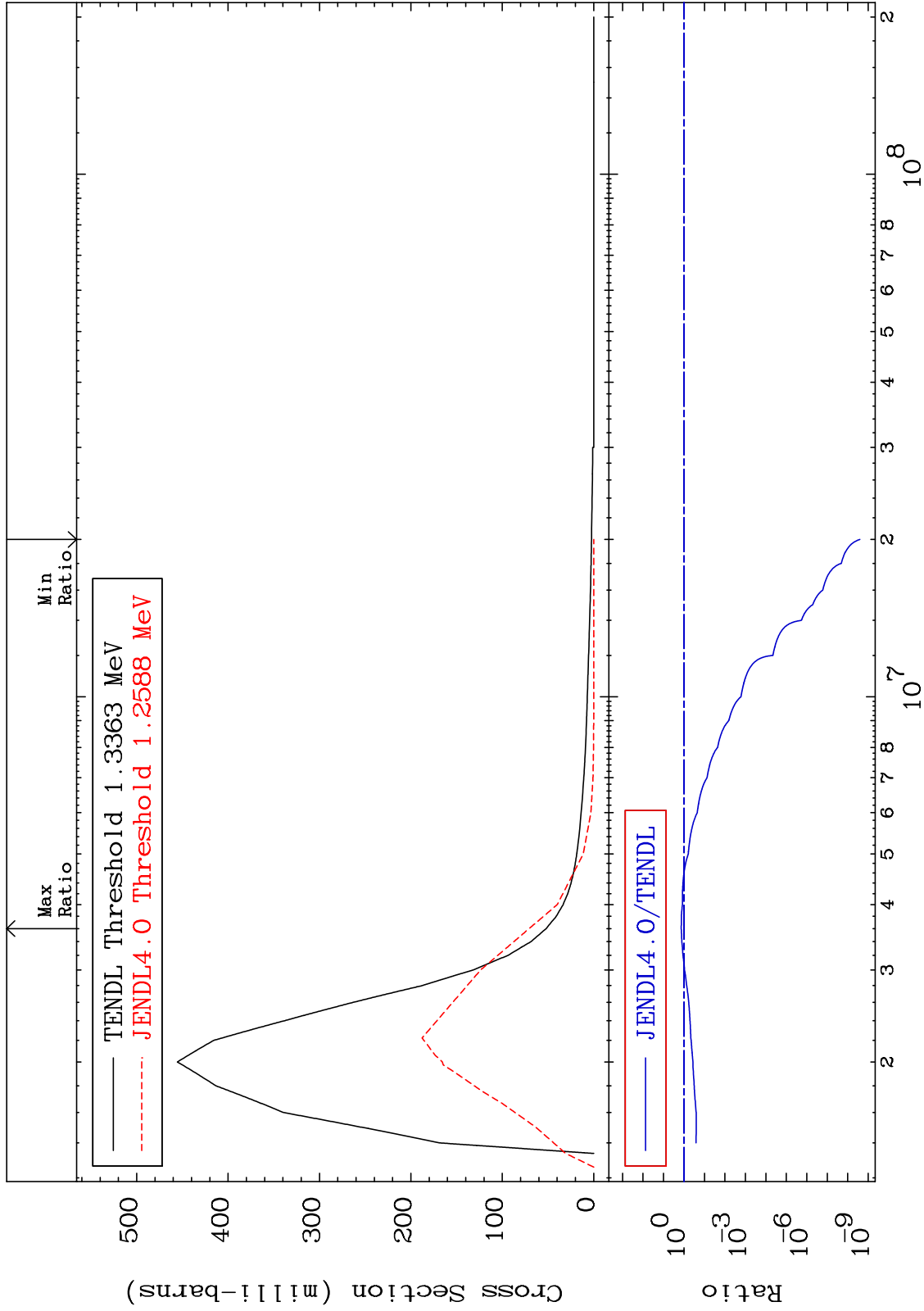
52-Te-124  
-100.0 To 293.6 %



MAT 5237

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

52-Te-124  
-100.0 To 35.99 %

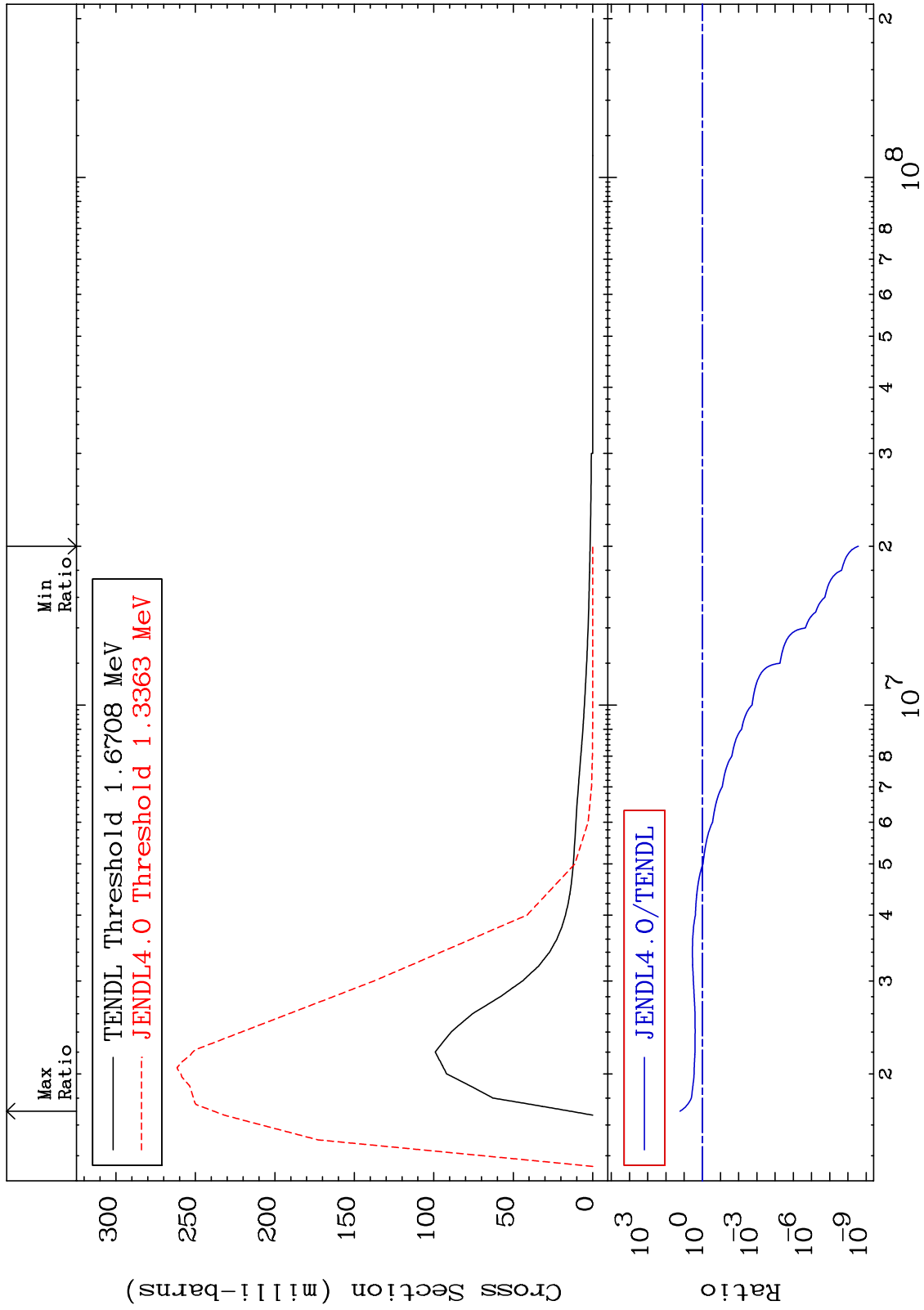


10

Incident Energy (eV)

52-Te-124

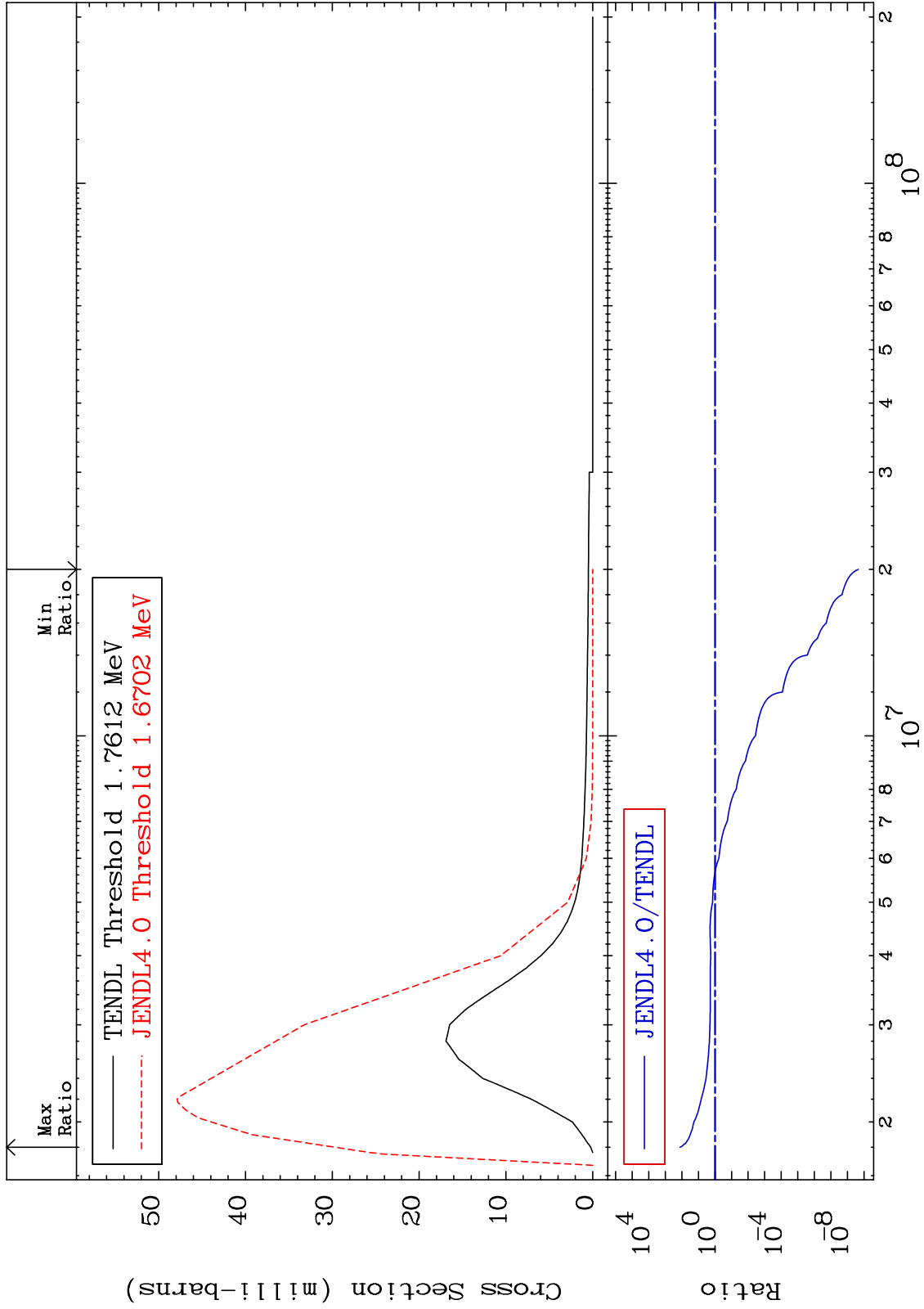
MAT 5237 MT= 54 (n, n') Level Cross Section 52-Te-124  
 -100.0 To 1579. %



MAT 5237

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

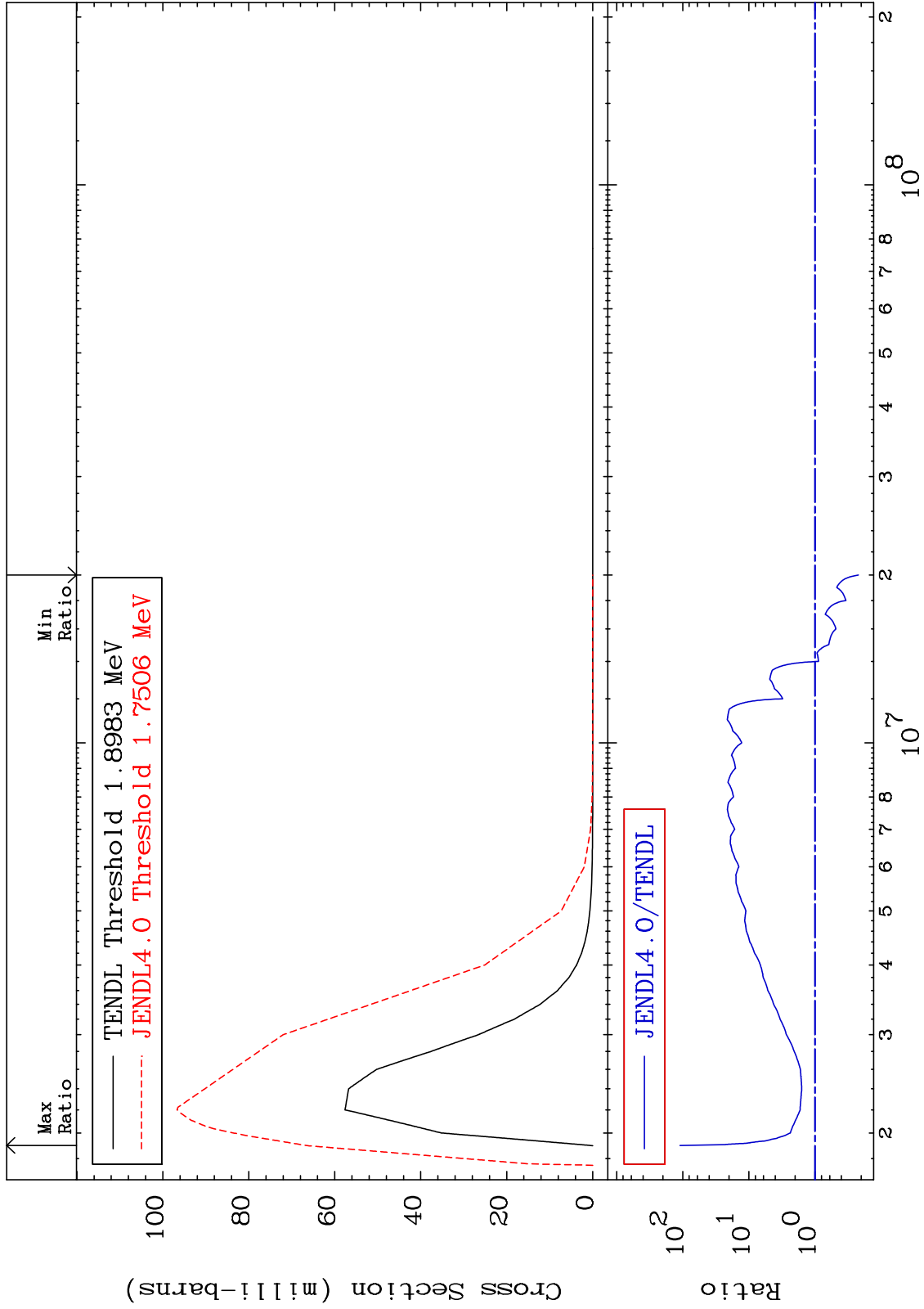
52-Te-124  
-100.0 To 9999. %



MAT 5237

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

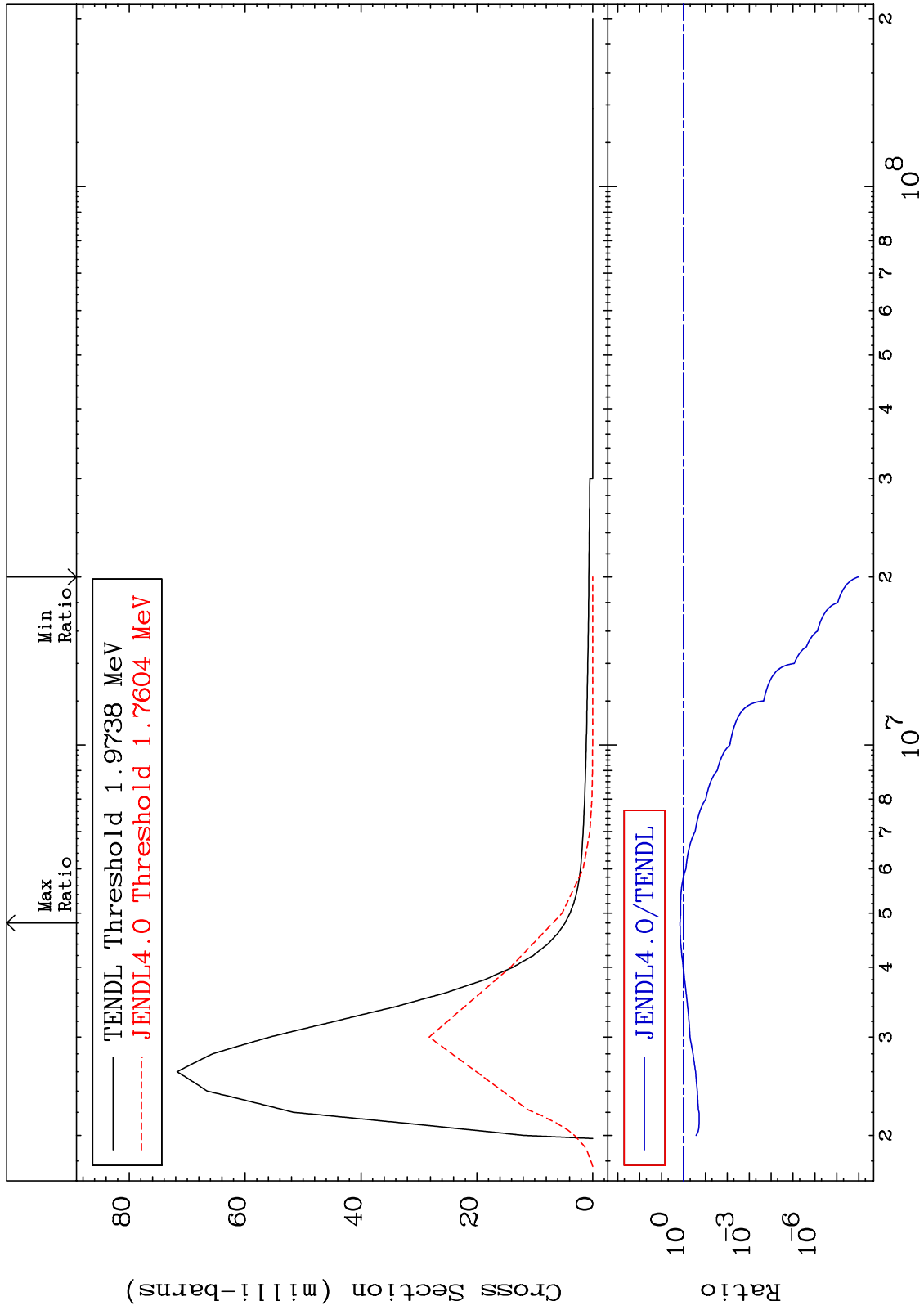
52-Te-124  
-77.92 To 9999. %



MAT 5237

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

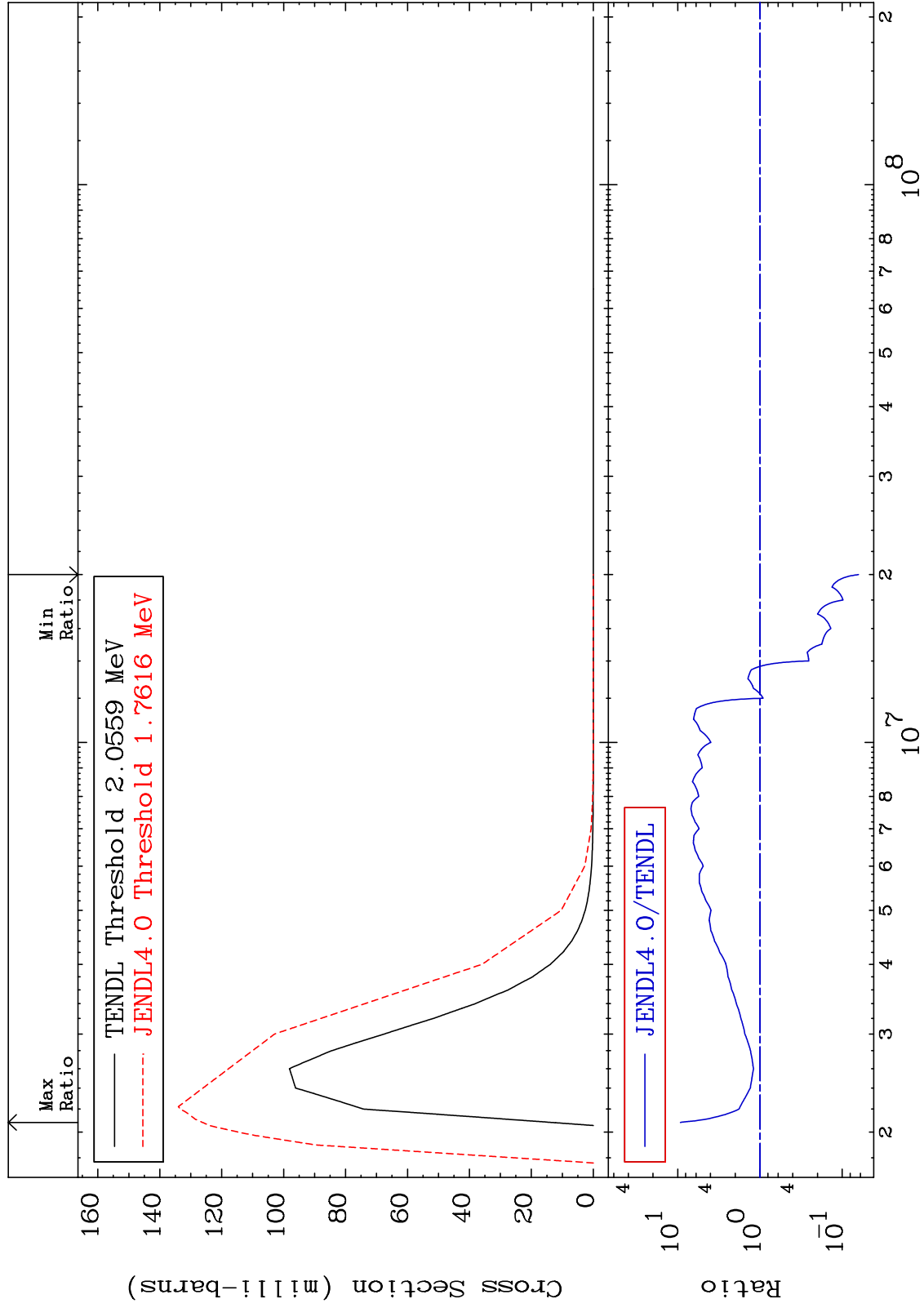
52-Te-124  
-100.0 To 44.20 %



MAT 5237

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

52-Te-124  
-93.67 To 827.0 %

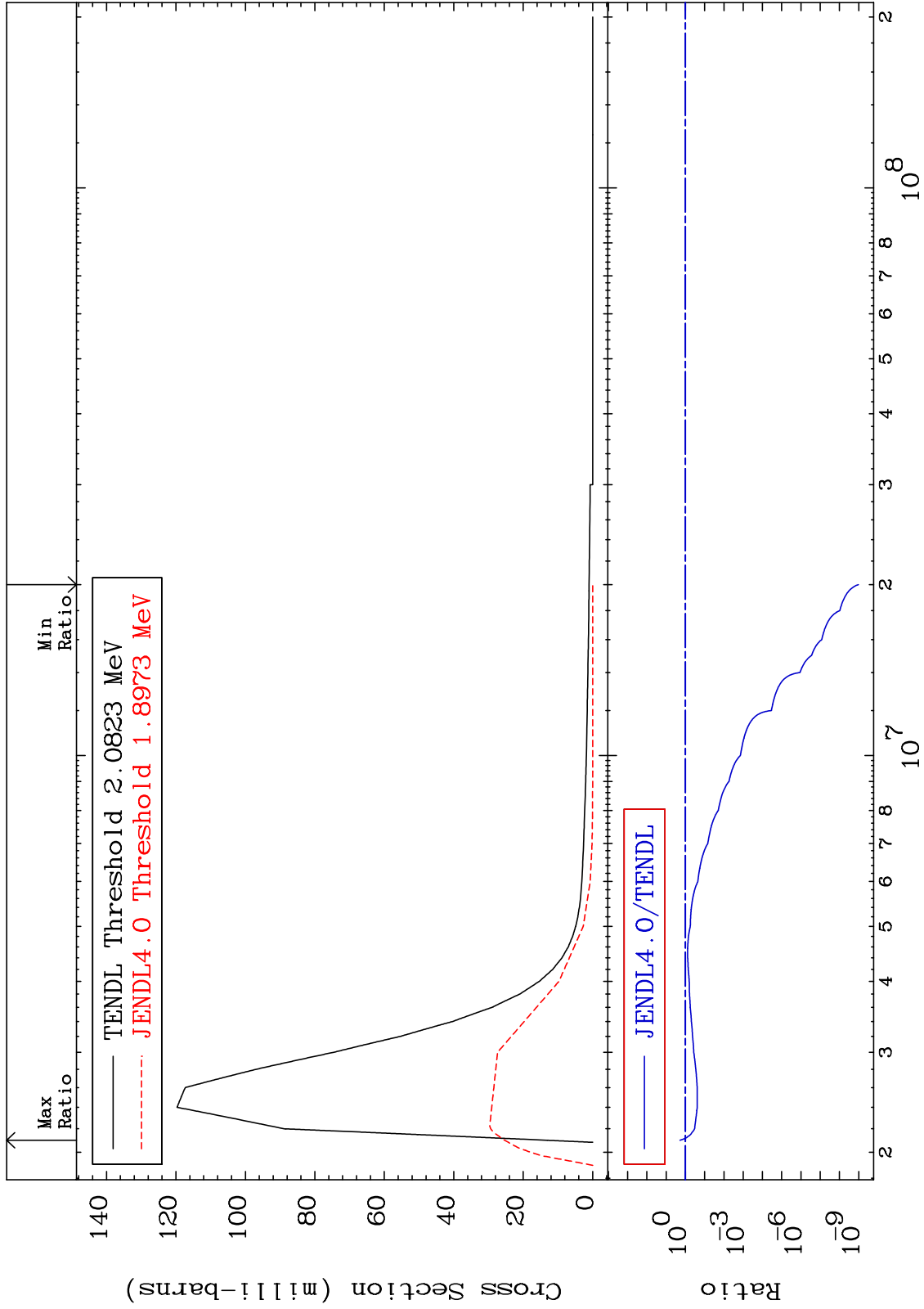




MAT 5237

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

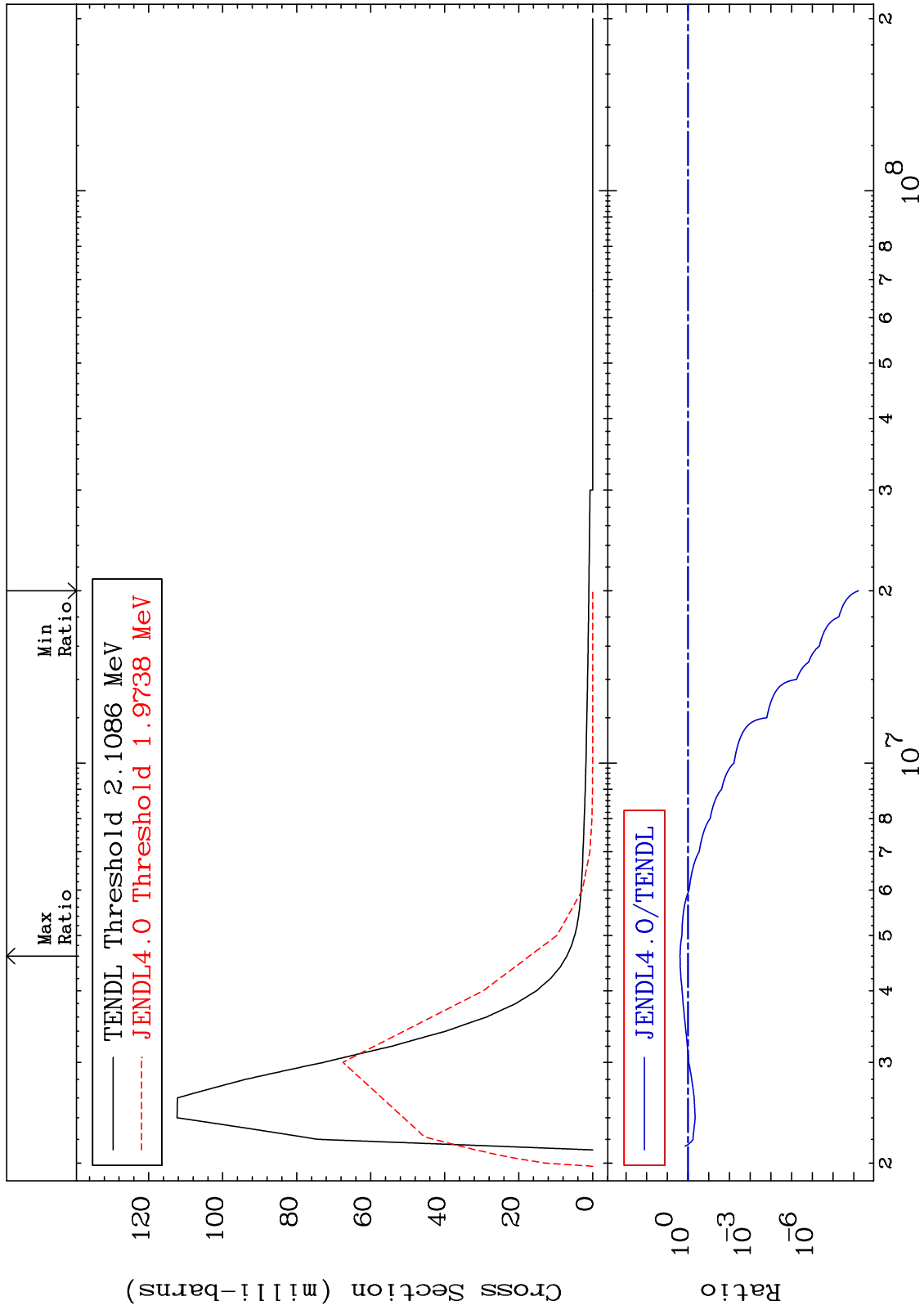
52-Te-124  
-100.0 To 89.74 %



MAT 5237

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

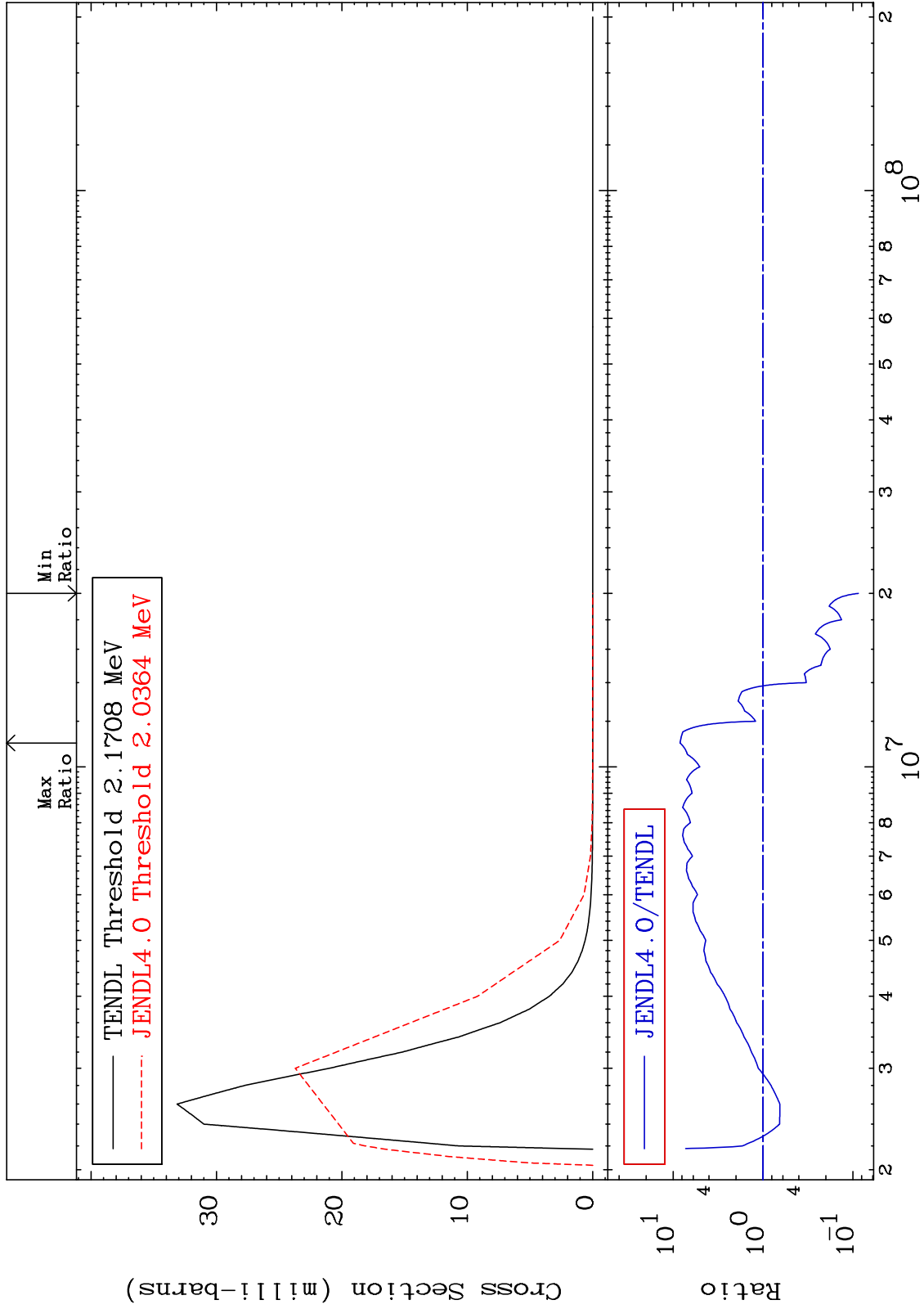
52-Te-124  
-100.0 To 145.0 %



MAT 5237

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

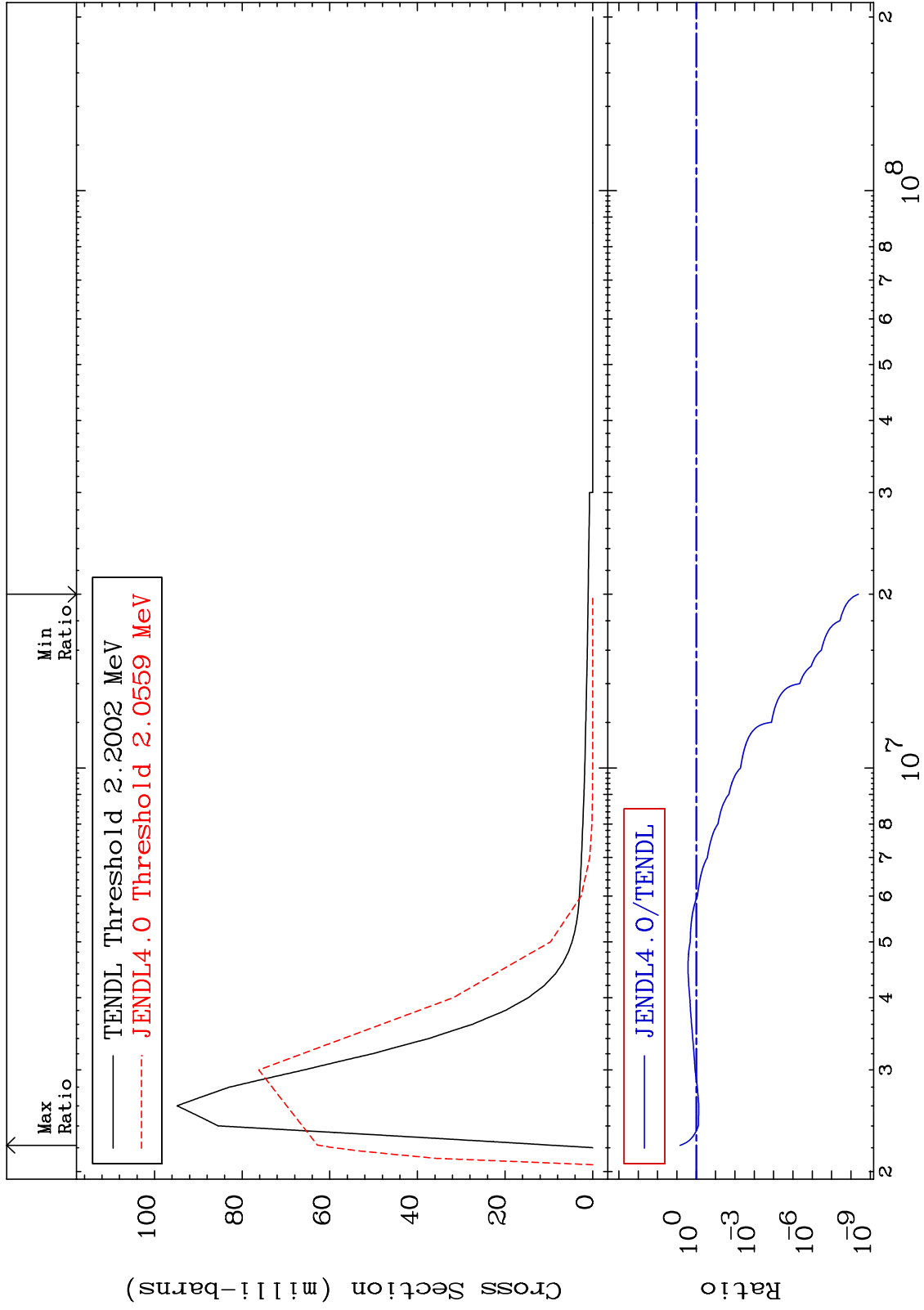
52-Te-124  
-91.32 To 740.1 %



MAT 5237

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

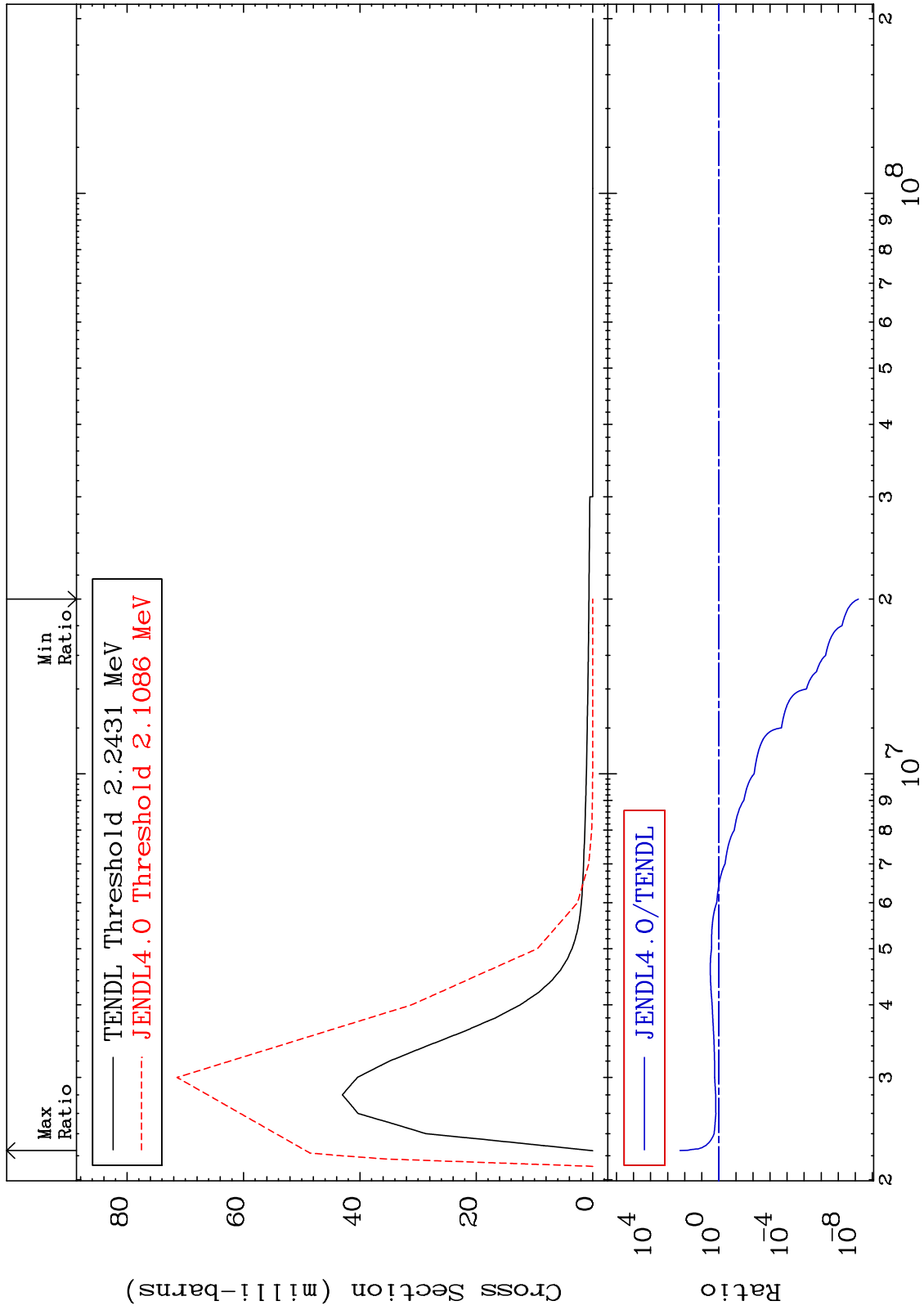
52-Te-124  
-100.0 To 588.6 %



MAT 5237

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

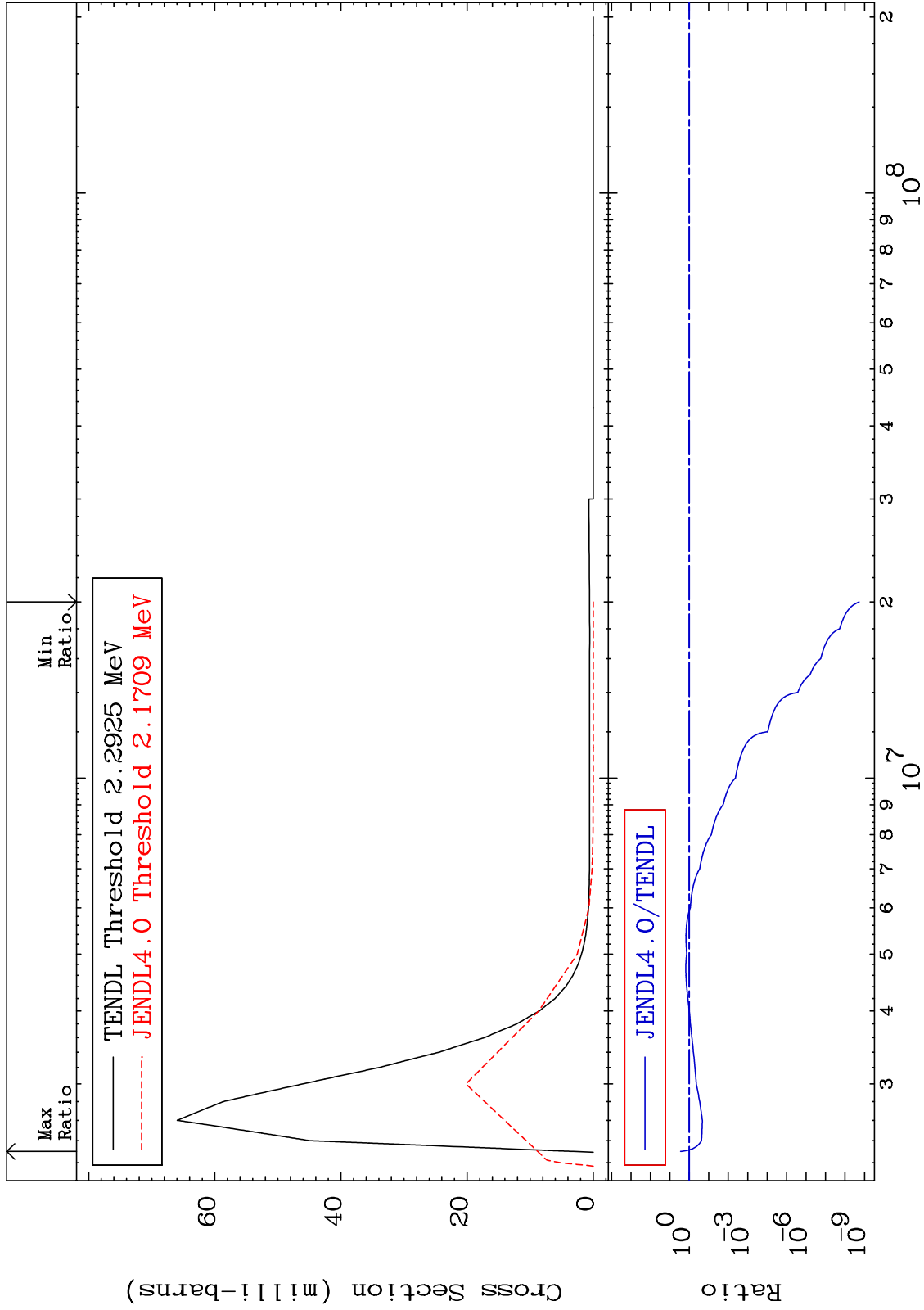
52-Te-124  
-100.0 To 9999. %



MAT 5237

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

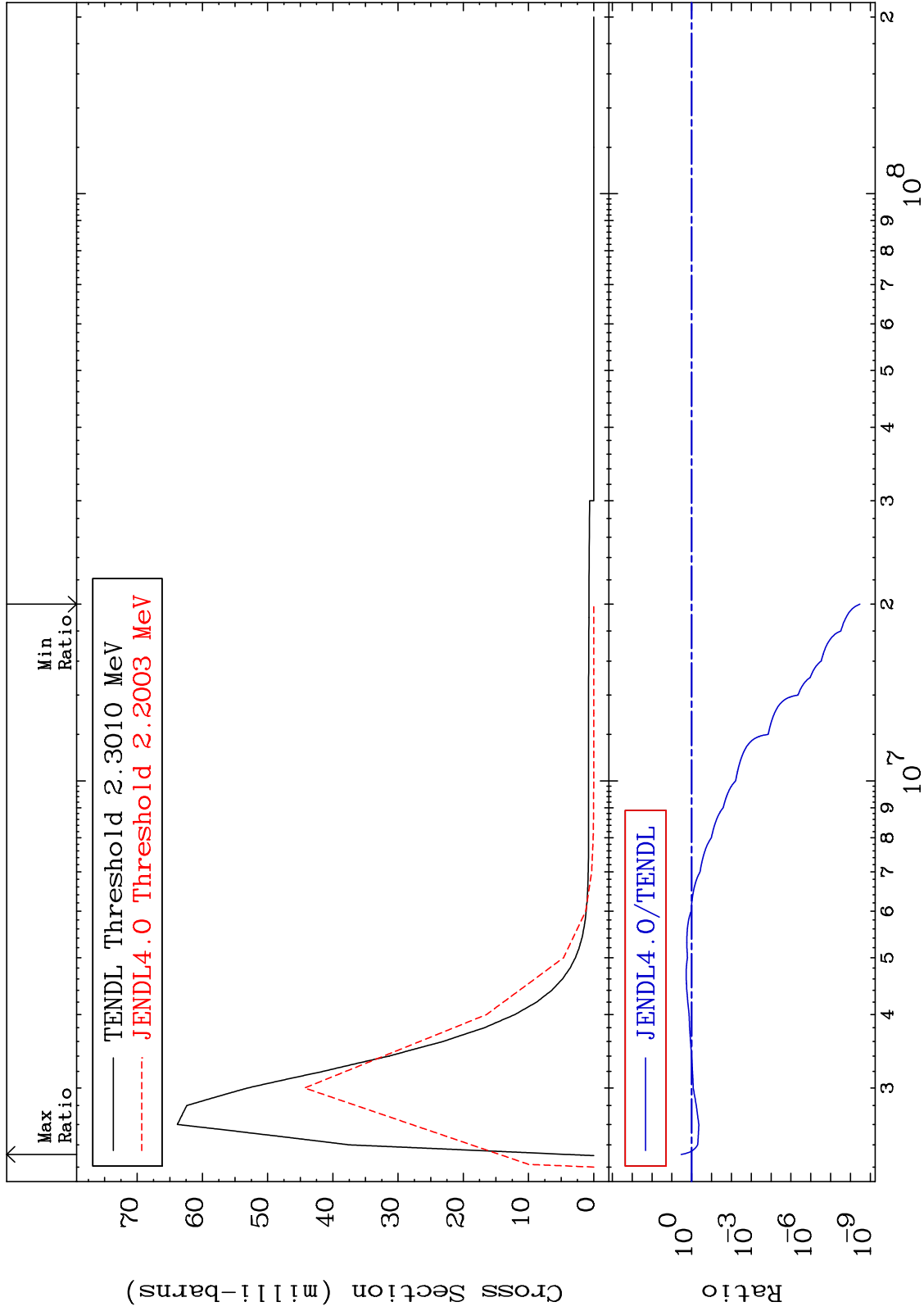
52-Te-124  
-100.0 To 180.1 %



MAT 5237

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

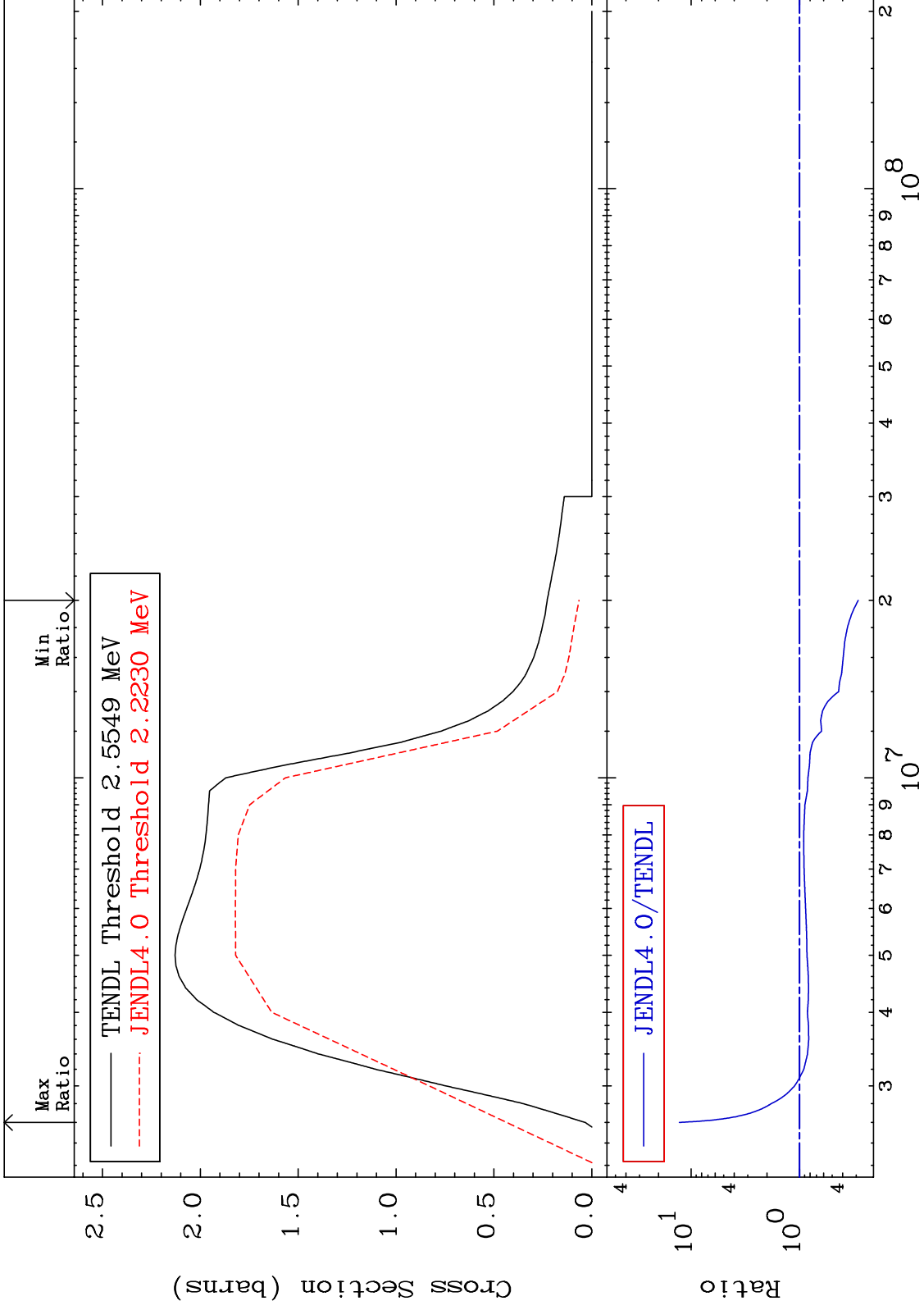
52-Te-124  
-100.0 To 236.8 %



MAT 5237

(n, n') Continuum  
Cross Section

52-Te-124  
-71.25 To 1185. %





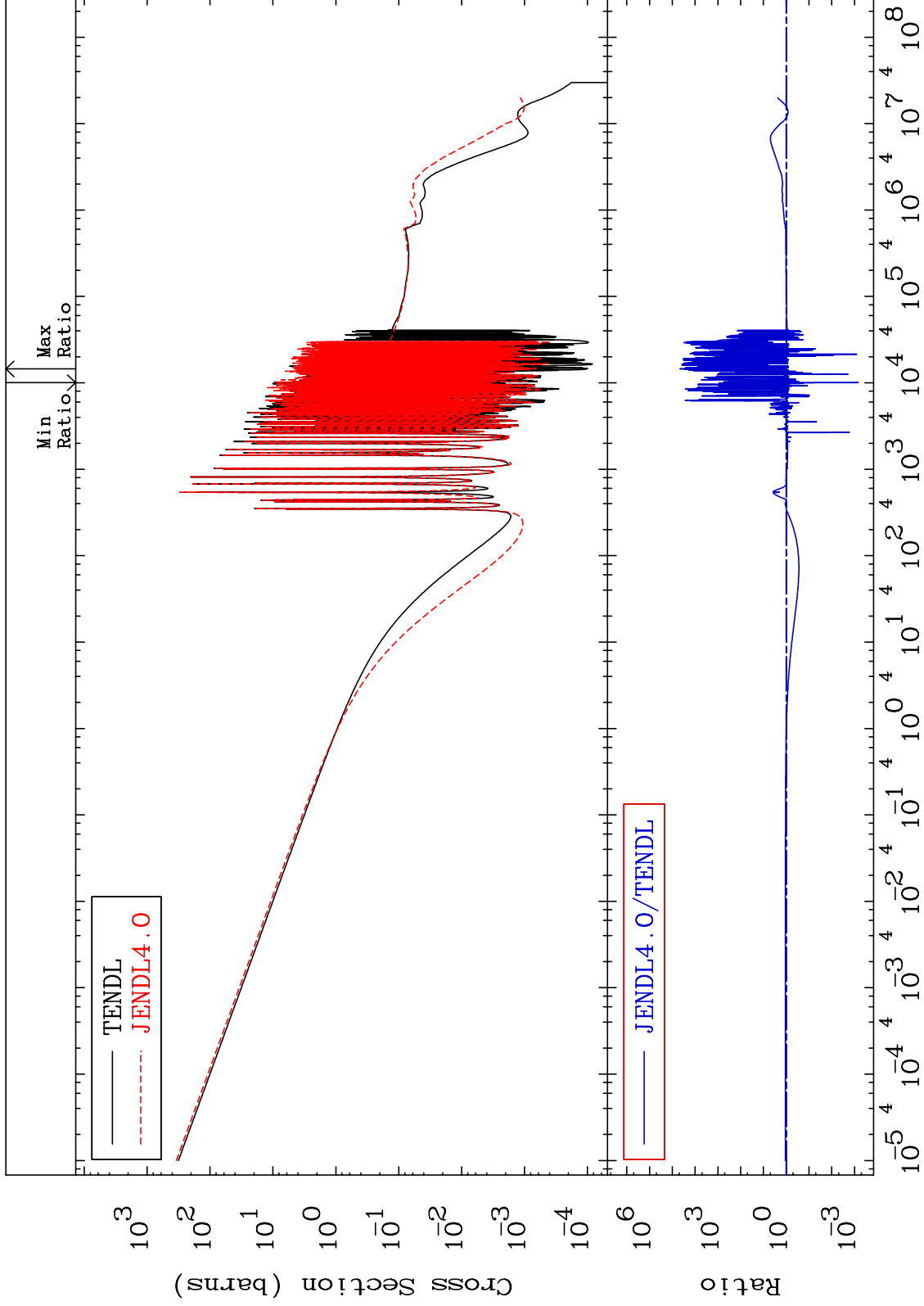
MAT 5237

(n,  $\gamma$ )

52-Te-124

Cross Section

-99.93 To 9999. %



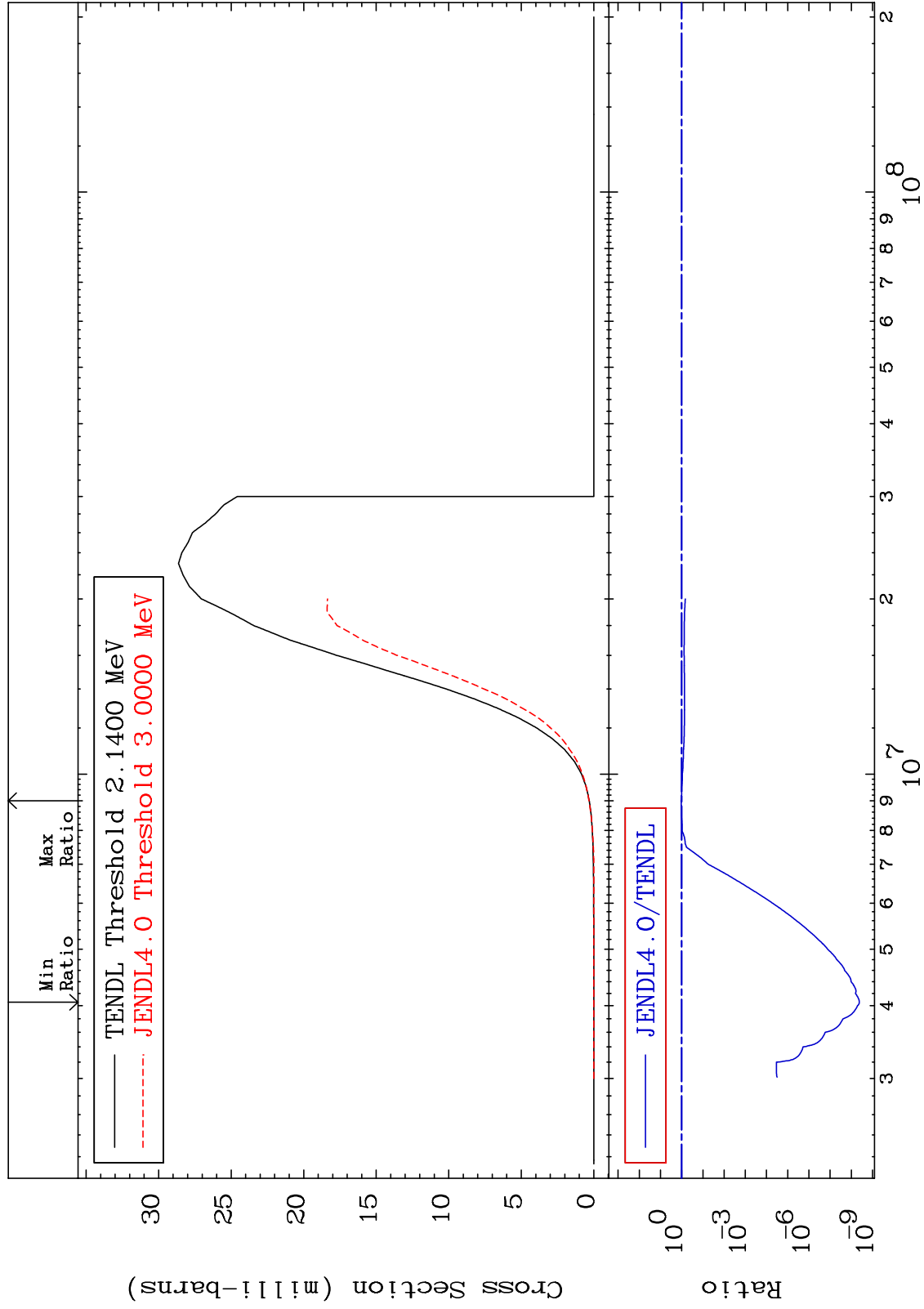
MAT 5237

(n,p)

52-Te-124

Cross Section

-100.0 To 7.075 %



25

Incident Energy (eV)

52-Te-124

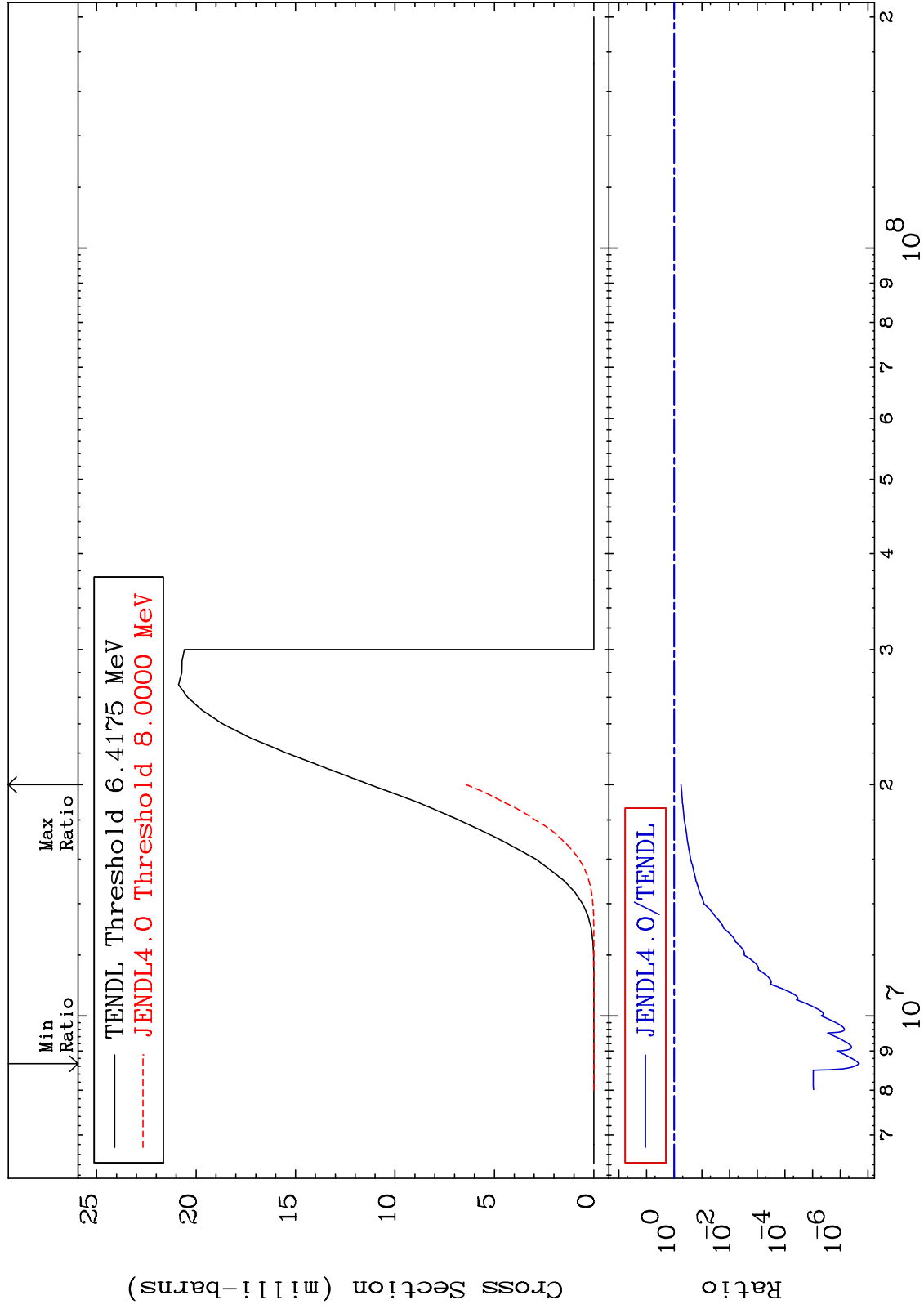
MAT 5237

(n, d)

52-Te-124

Cross Section

-100.0 To -42.97%



26

Incident Energy (eV)

52-Te-124

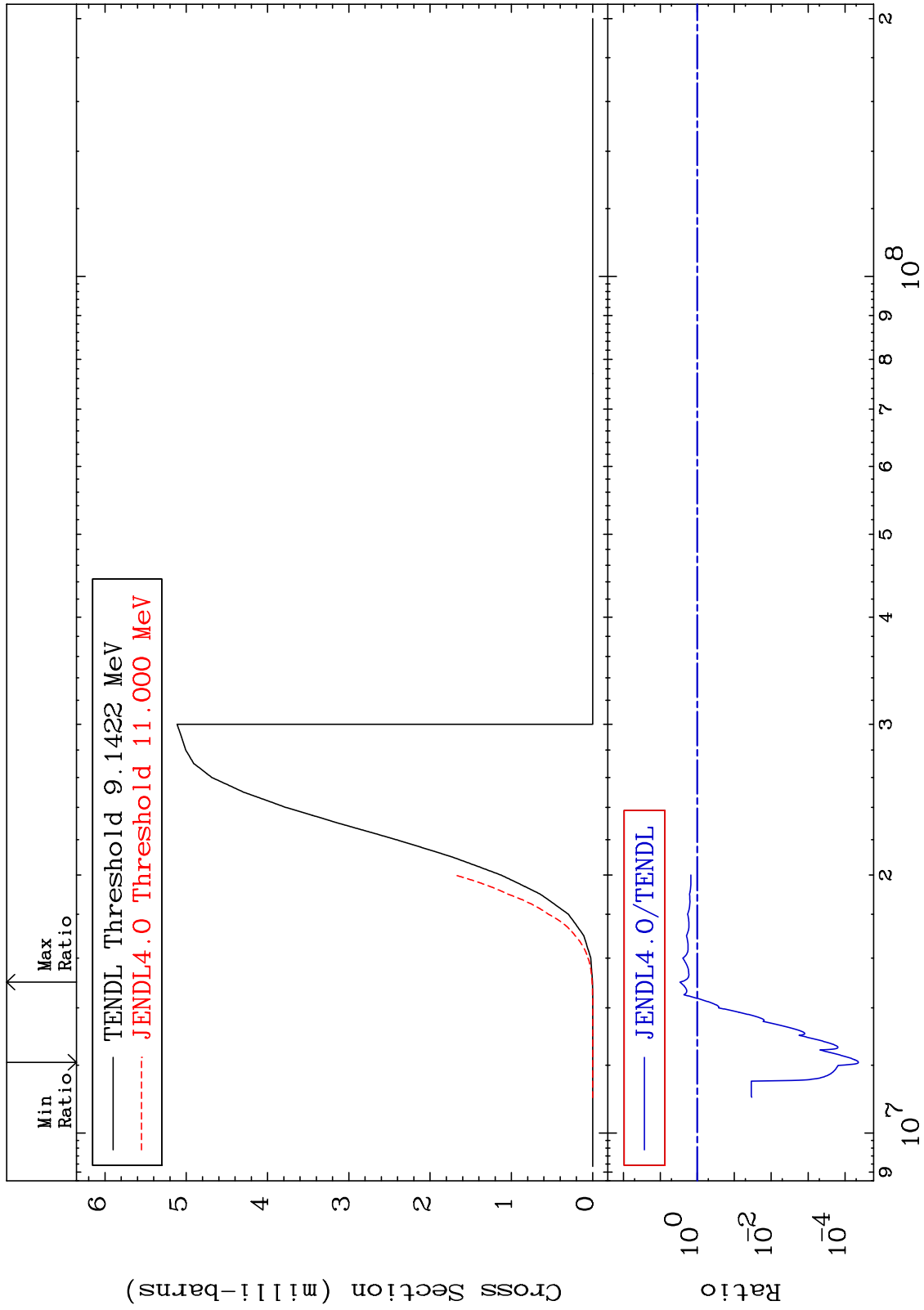
MAT 5237

(n, t)

52-Te-124

Cross Section

-100.0 To 193.2 %



27

Incident Energy (eV)

52-Te-124

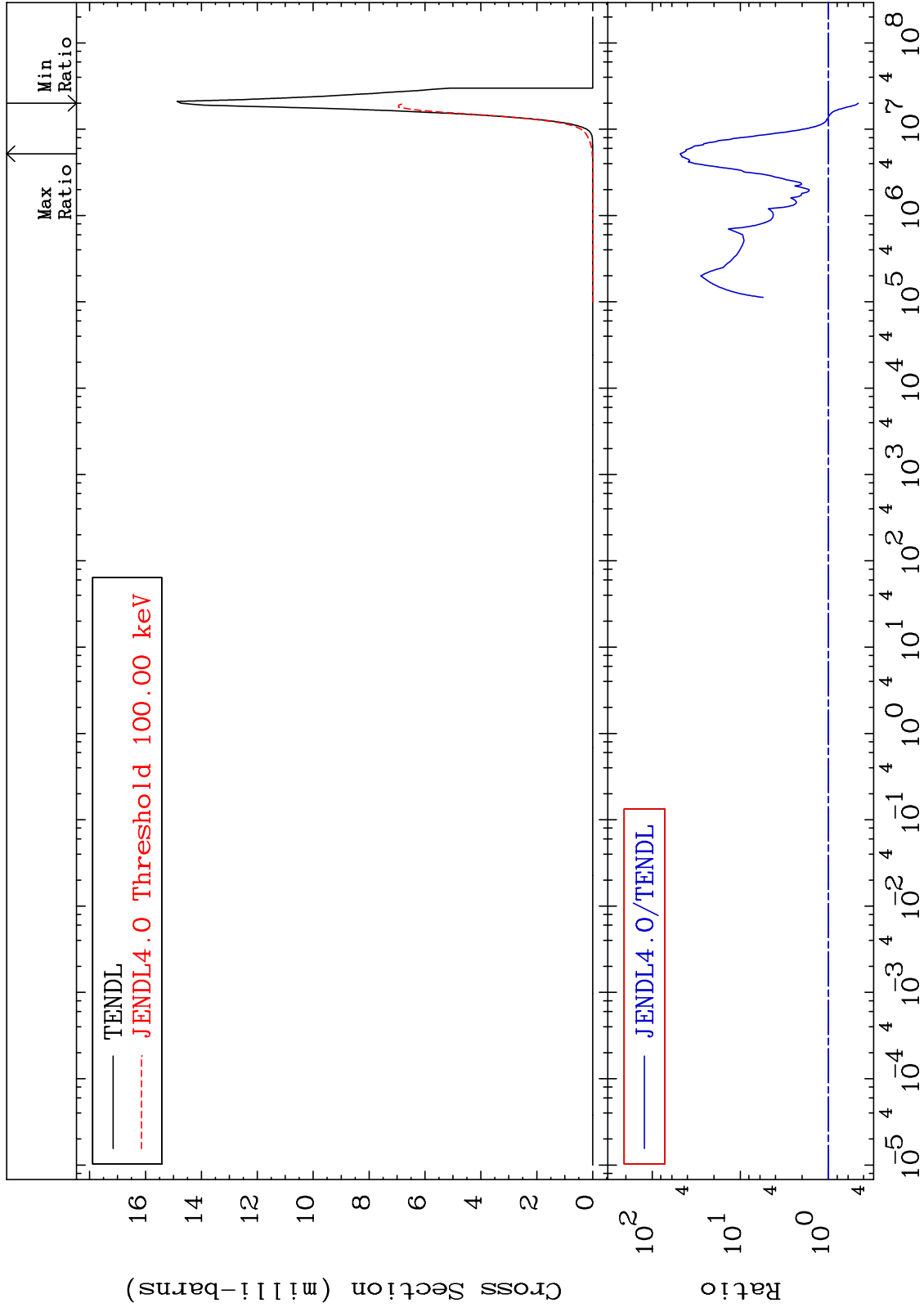
MAT 5237

(n,  $\alpha$ )

52-Te-124

Cross Section

-54.13 To 4748. %



28

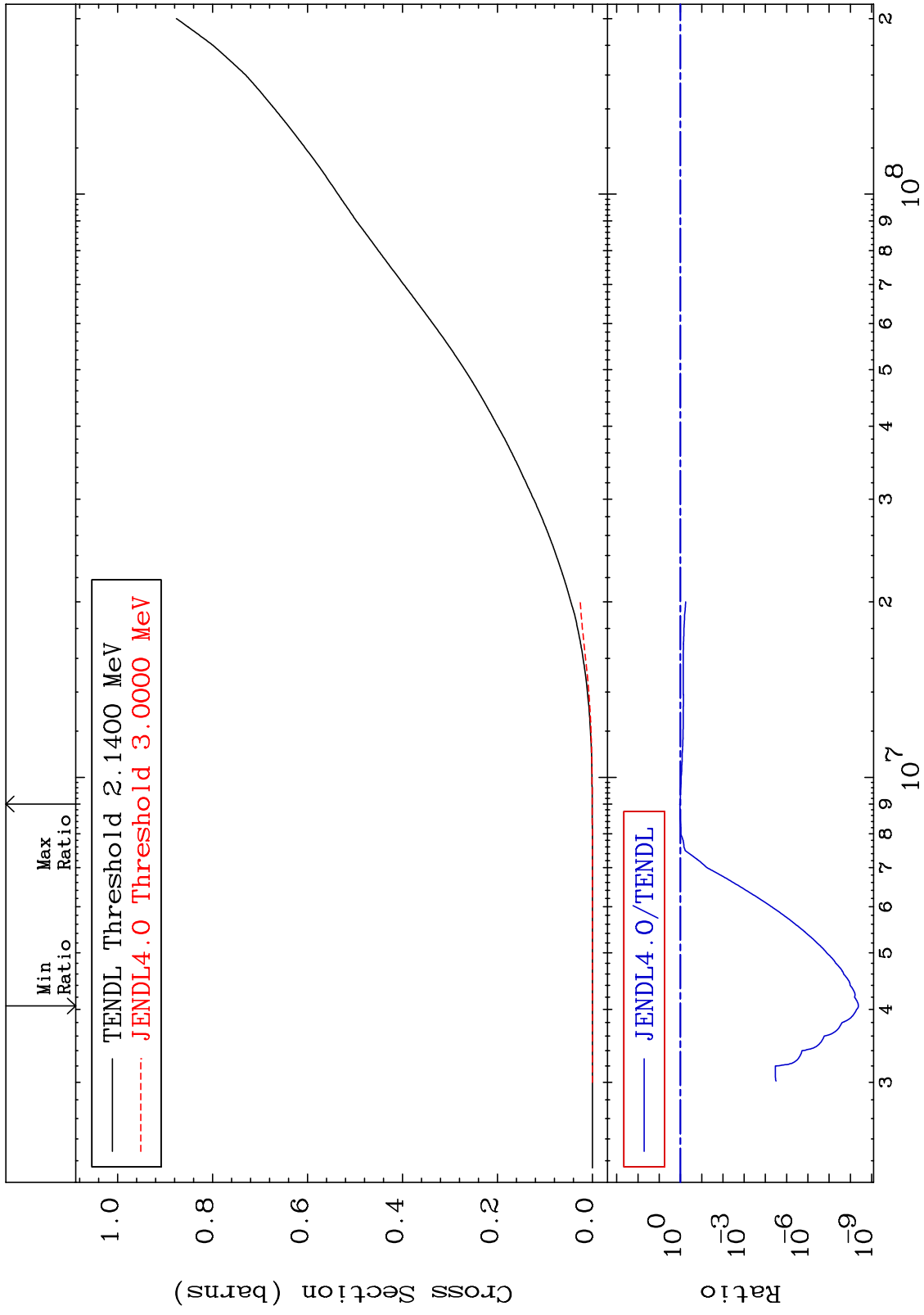
Incident Energy (eV)

52-Te-124

MAT 5237

Hydrogen Production  
Cross Section

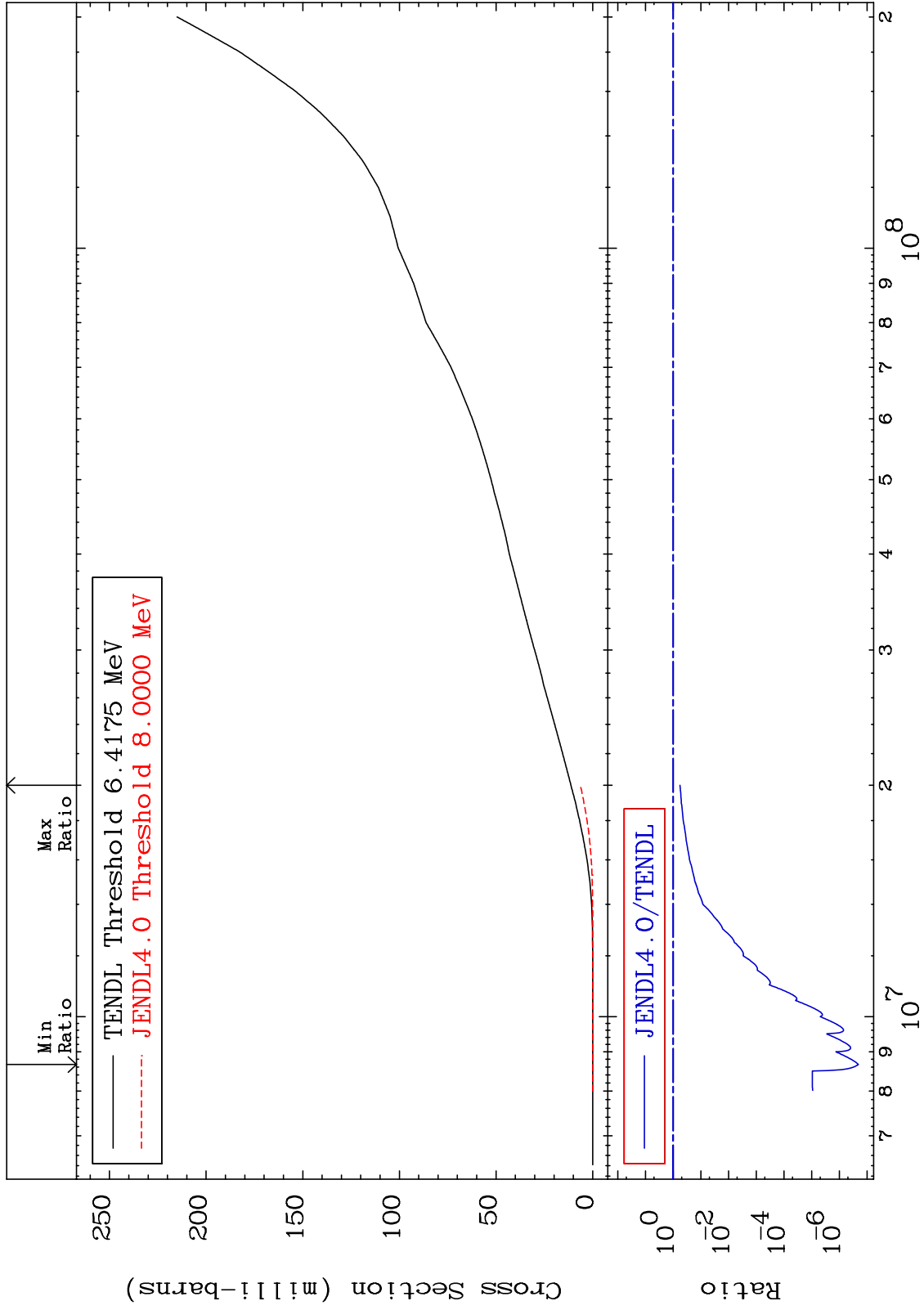
52-Te-124  
-100.0 To 7.075 %



MAT 5237

Deuterium Production  
Cross Section

52-Te-124  
-100.0 To -42.97%



30

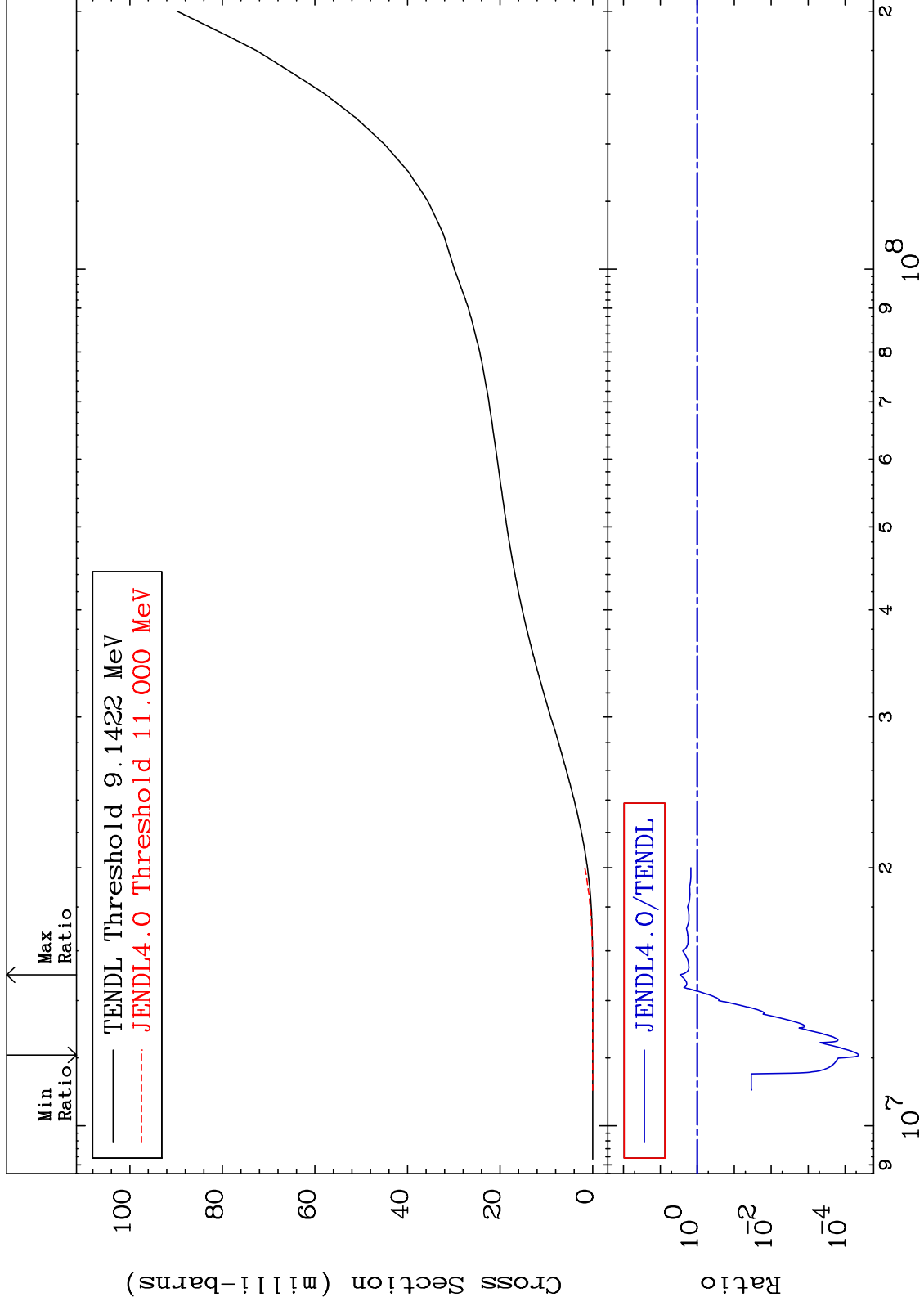
Incident Energy (eV)

52-Te-124

MAT 5237

Tritium Production  
Cross Section

52-Te-124  
-100.0 To 193.2 %



31

Incident Energy (eV)

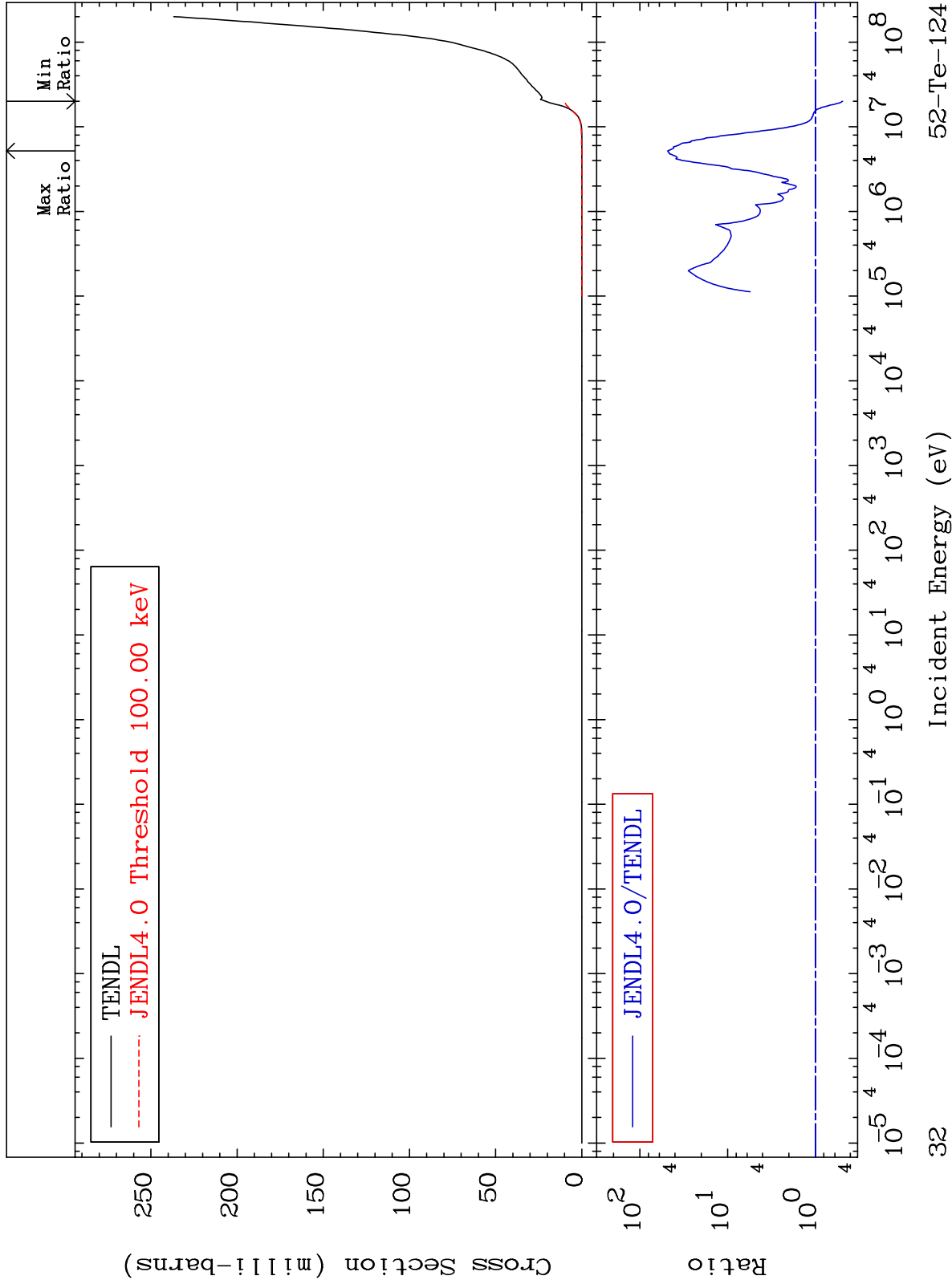
52-Te-124



MAT 5237

He-4 Production  
Cross Section

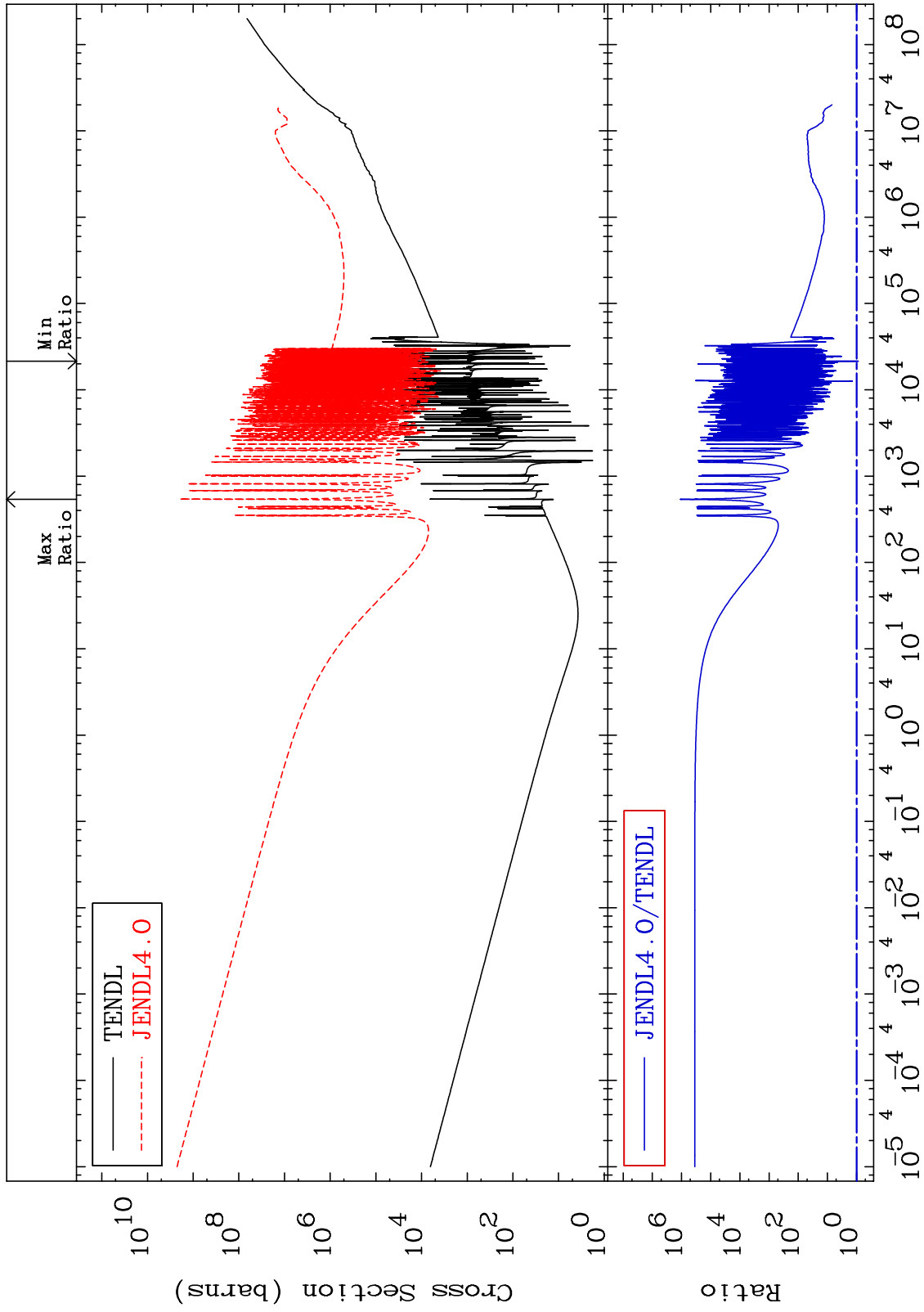
52-Te-124  
-51.14 To 4748. %



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Kerma total (eV-barns)  
Cross Section

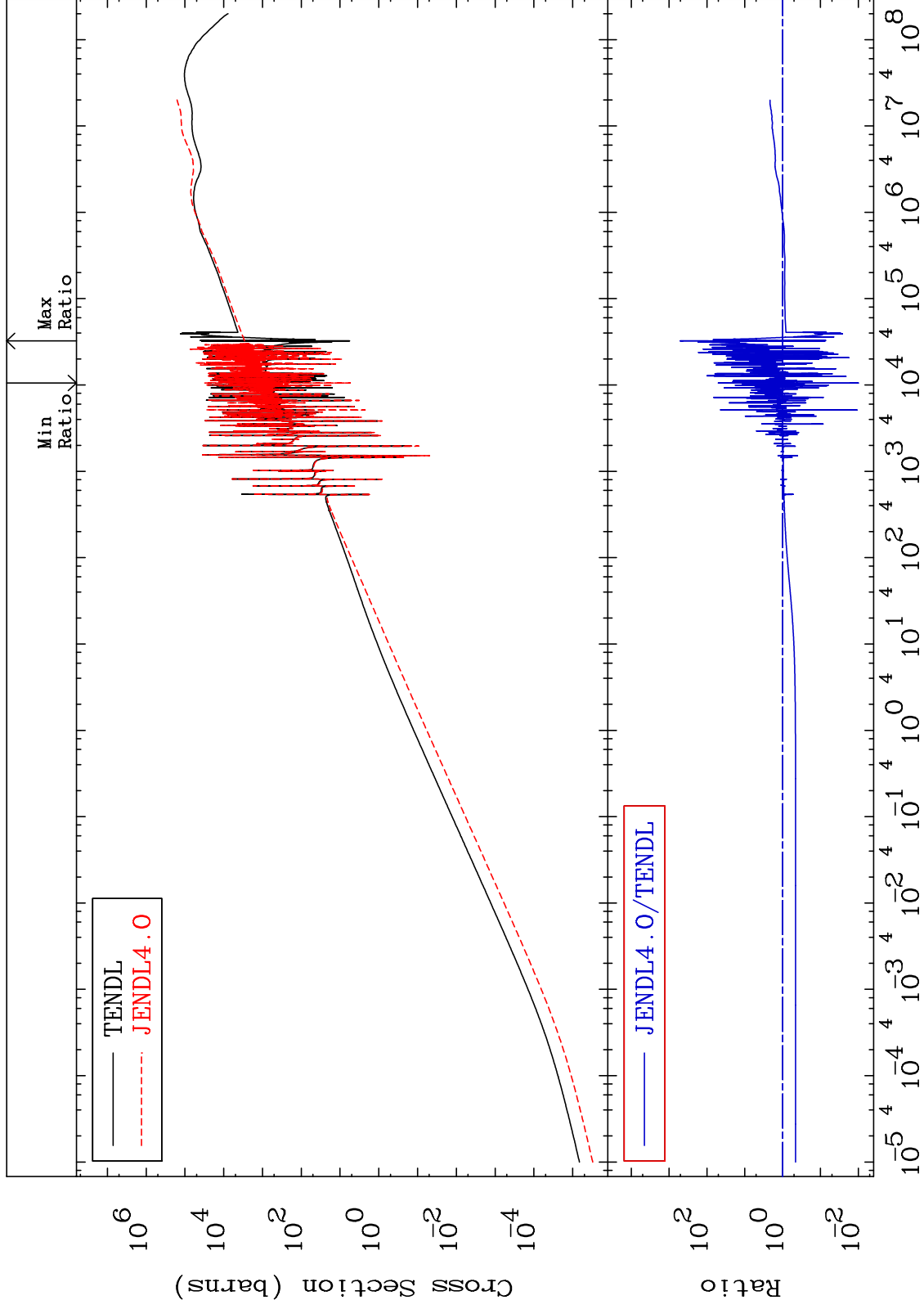
52-Te-124  
-13.16 To 9999. %



MAT 5237

Kerma elastic  
Cross Section

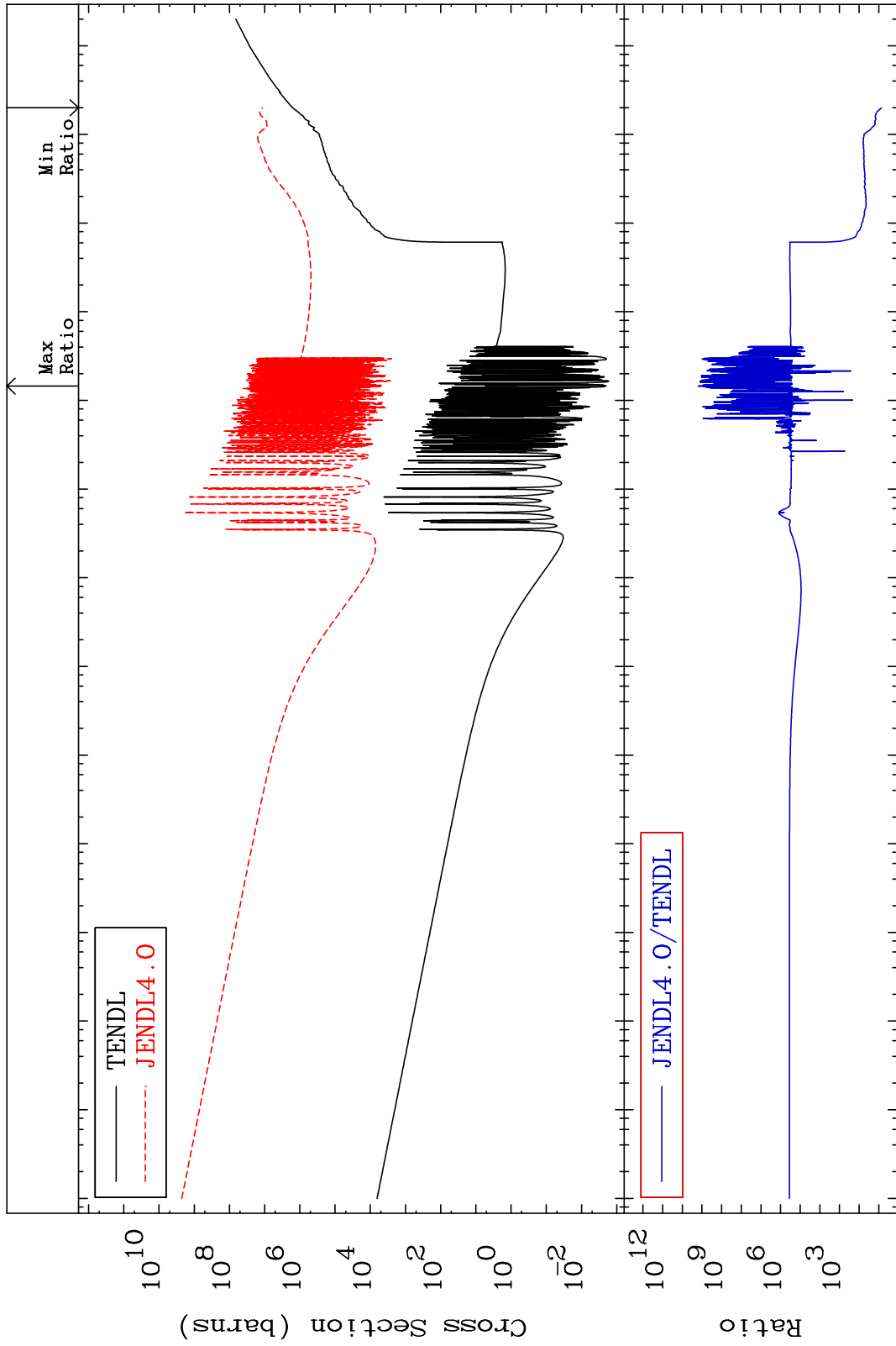
52-Te-124  
-99.00 To 9999. %



MAT 5237

Kerma non-elastic (all but mt2)  
Cross Section

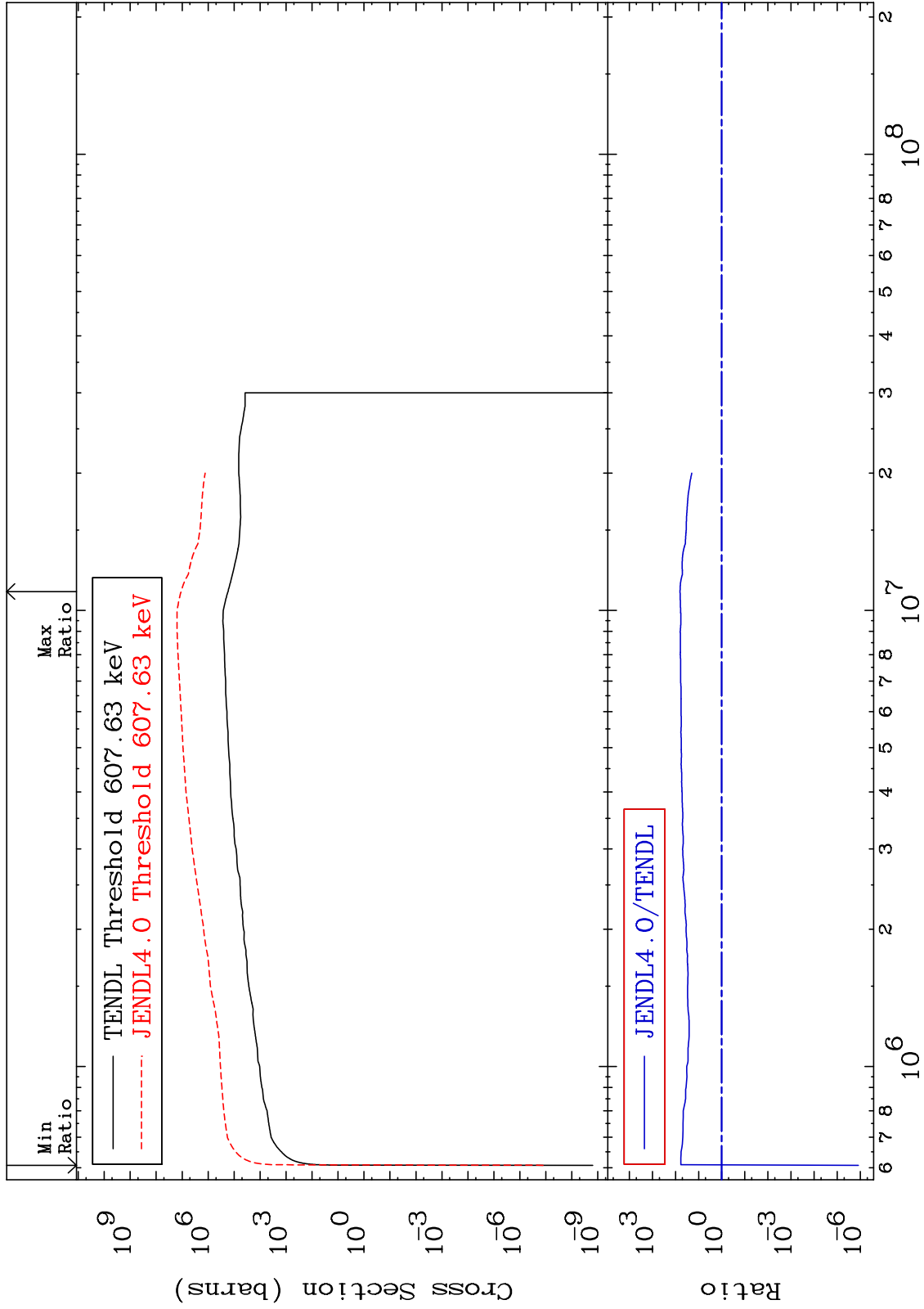
52-Te-124  
623.4 To 9999. %



MAT 5237

Kerma inelastic (mt51-91)  
Cross Section

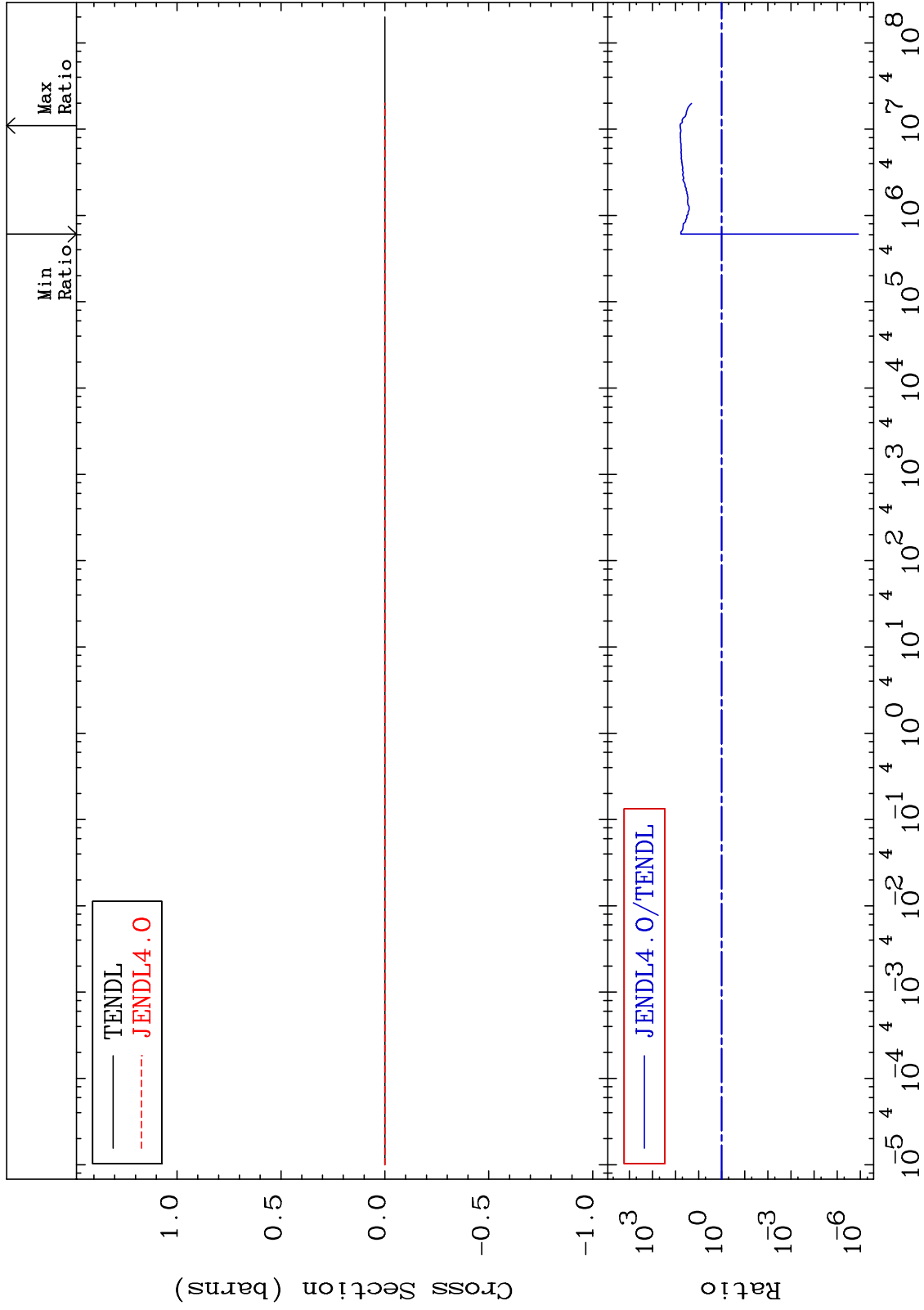
52-Te-124  
-100.0 To 6277. %



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

52-Te-124  
-100.0 To 6277. %



37

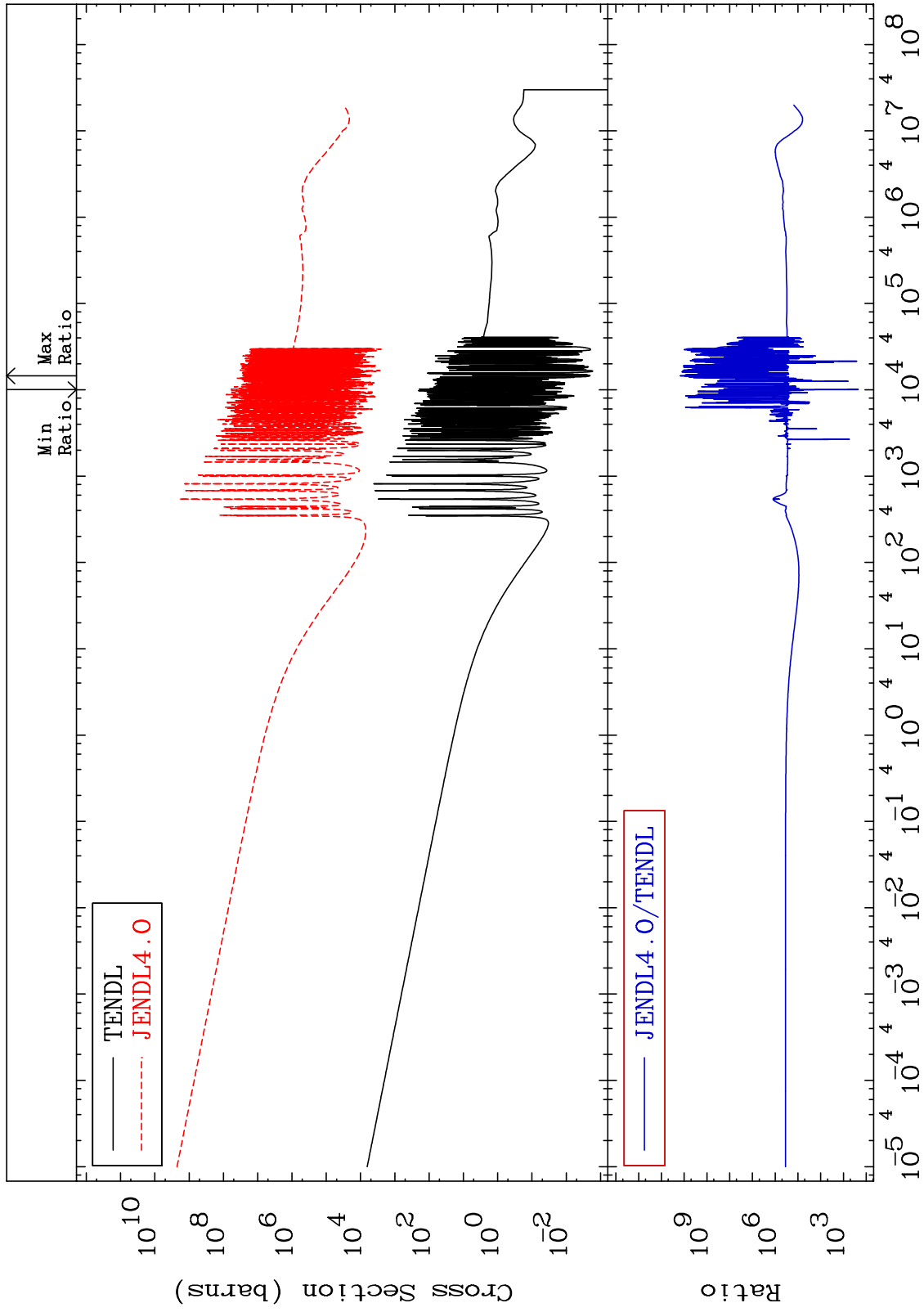
Incident Energy (eV)

52-Te-124

MAT 5237

Kerma capture (mt102)  
Cross Section

52-Te-124  
9999. To 9999. %



38

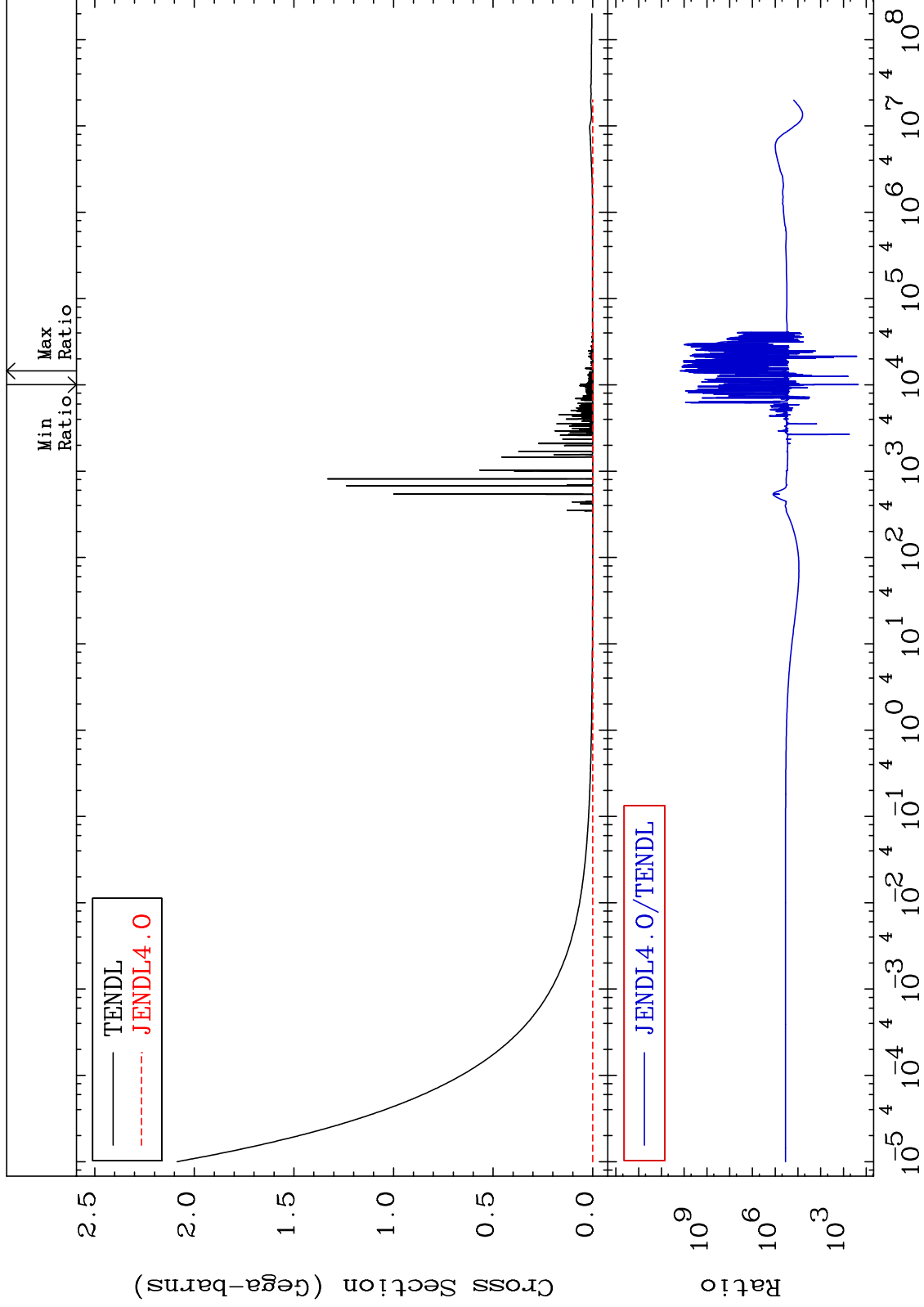
Incident Energy (eV)

52-Te-124

MAT 5237

Total photon (eV-barns)  
Cross Section

52-Te-124  
9999. To 9999. %

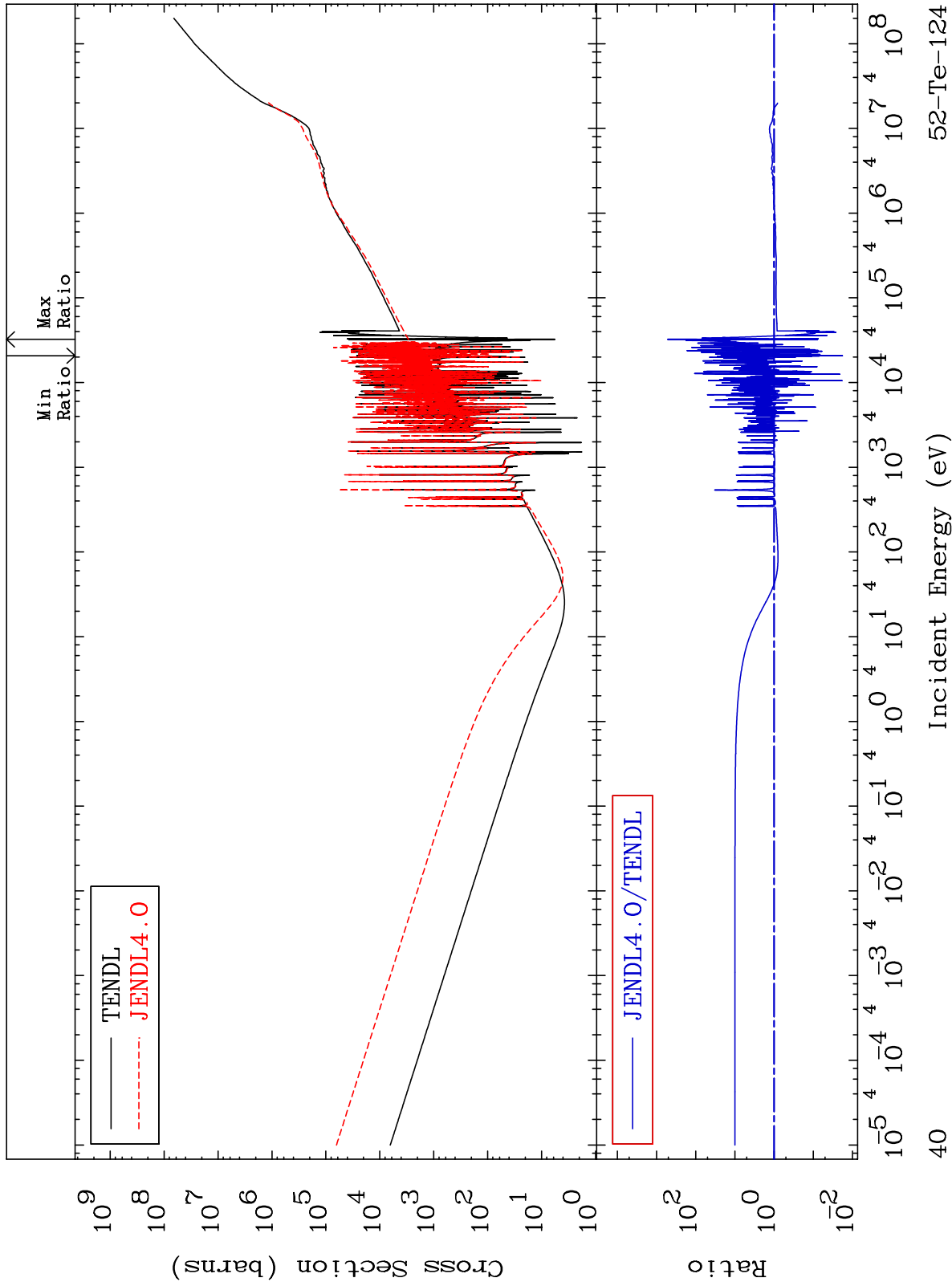




MAT 5237

Total kinematic kerma (high limit)  
Cross Section

52-Te-124  
-98.22 To 9999. %



40

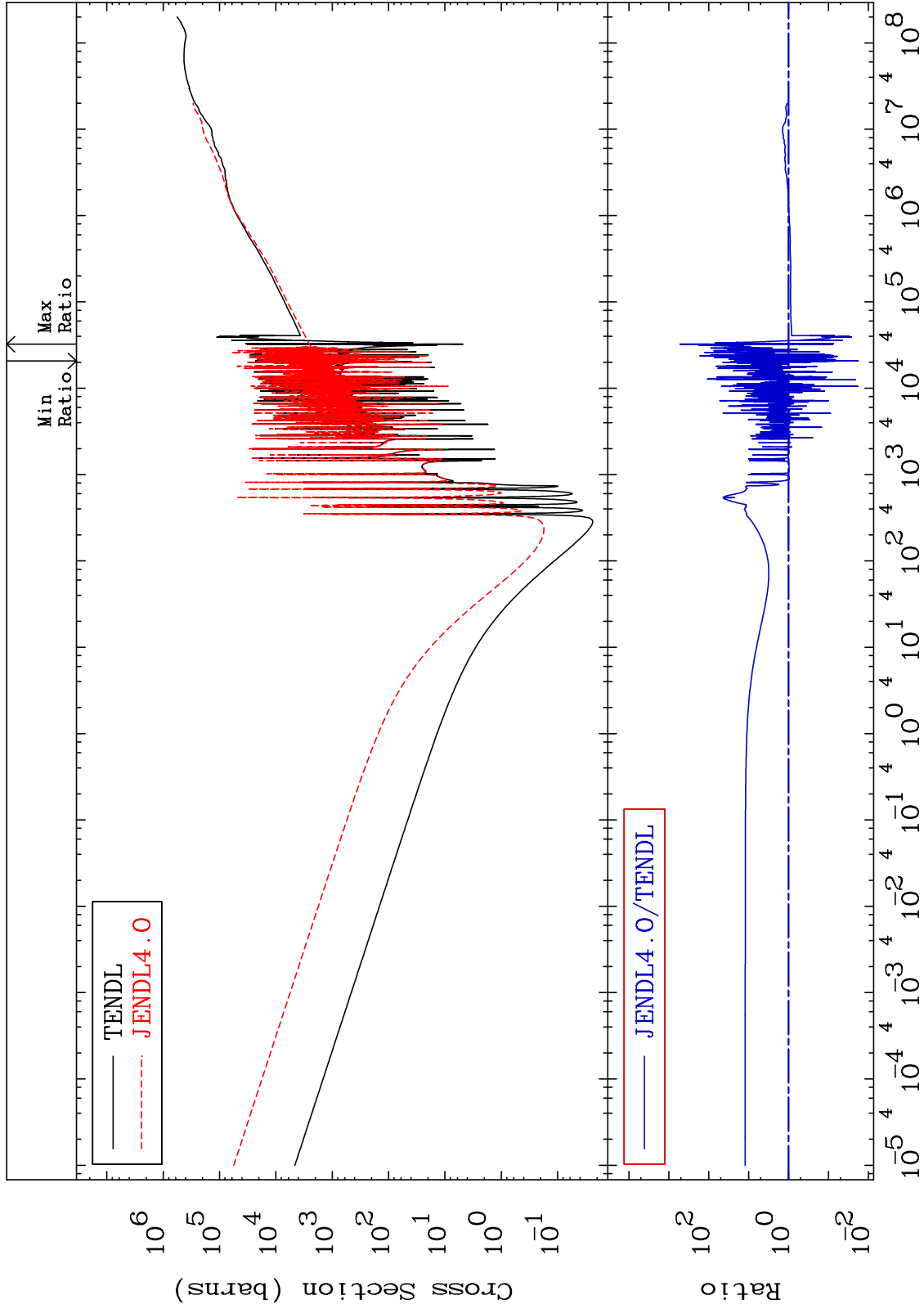
Incident Energy (eV)

52-Te-124

MAT 5237

Dpa total (eV-barns)  
Cross Section

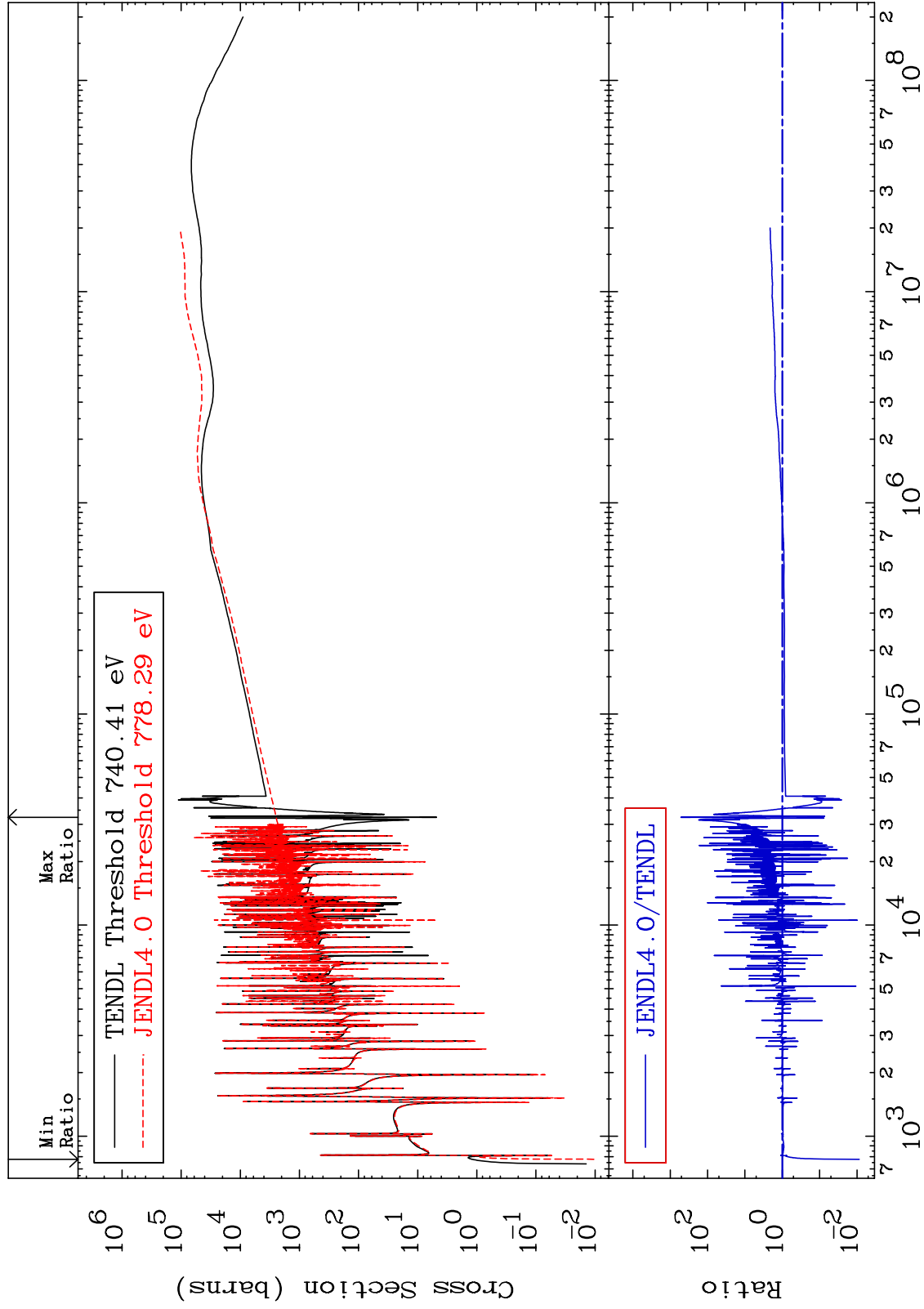
52-Te-124  
-98.21 To 9999. %



MAT 5237

Dpa elastic (mt2)  
Cross Section

52-Te-124  
-99.13 To 9999. %



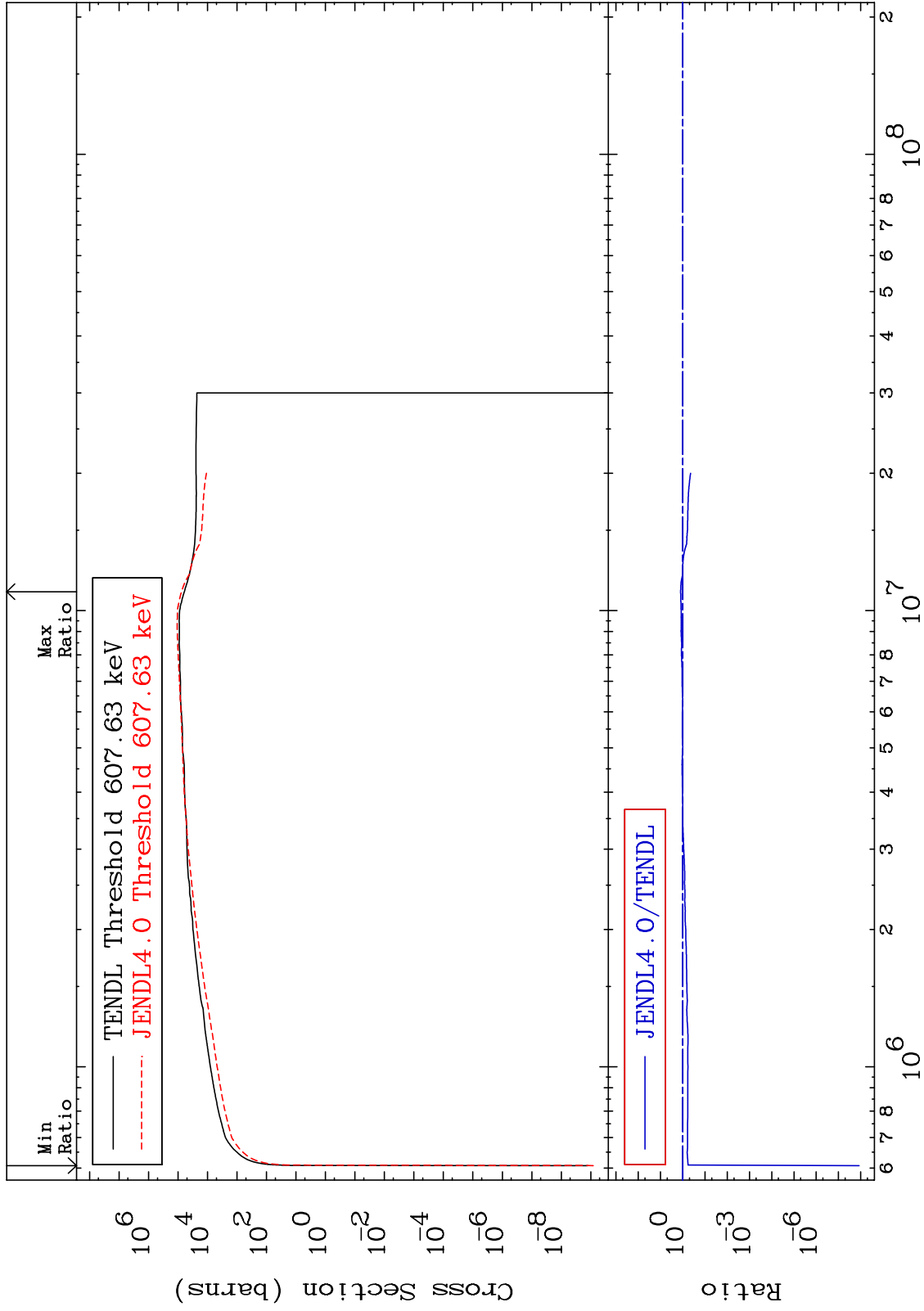
42

52-Te-124

MAT 5237

Dpa inelastic (mt51-91)  
Cross Section

52-Te-124  
-100.0 To 24.74 %



43

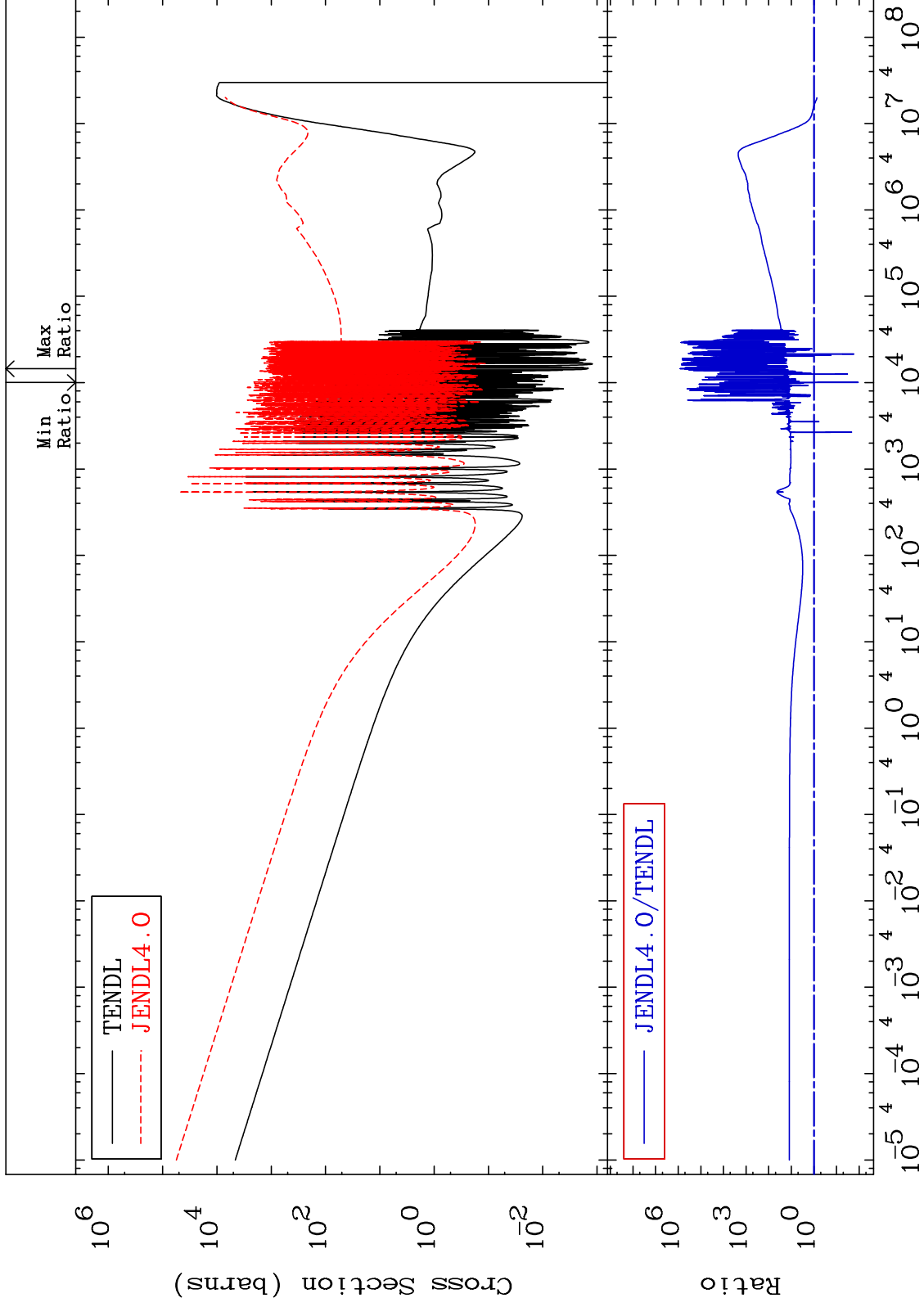
Incident Energy (eV)

52-Te-124

MAT 5237

Dpa disappearance (mt102 -120)  
Cross Section

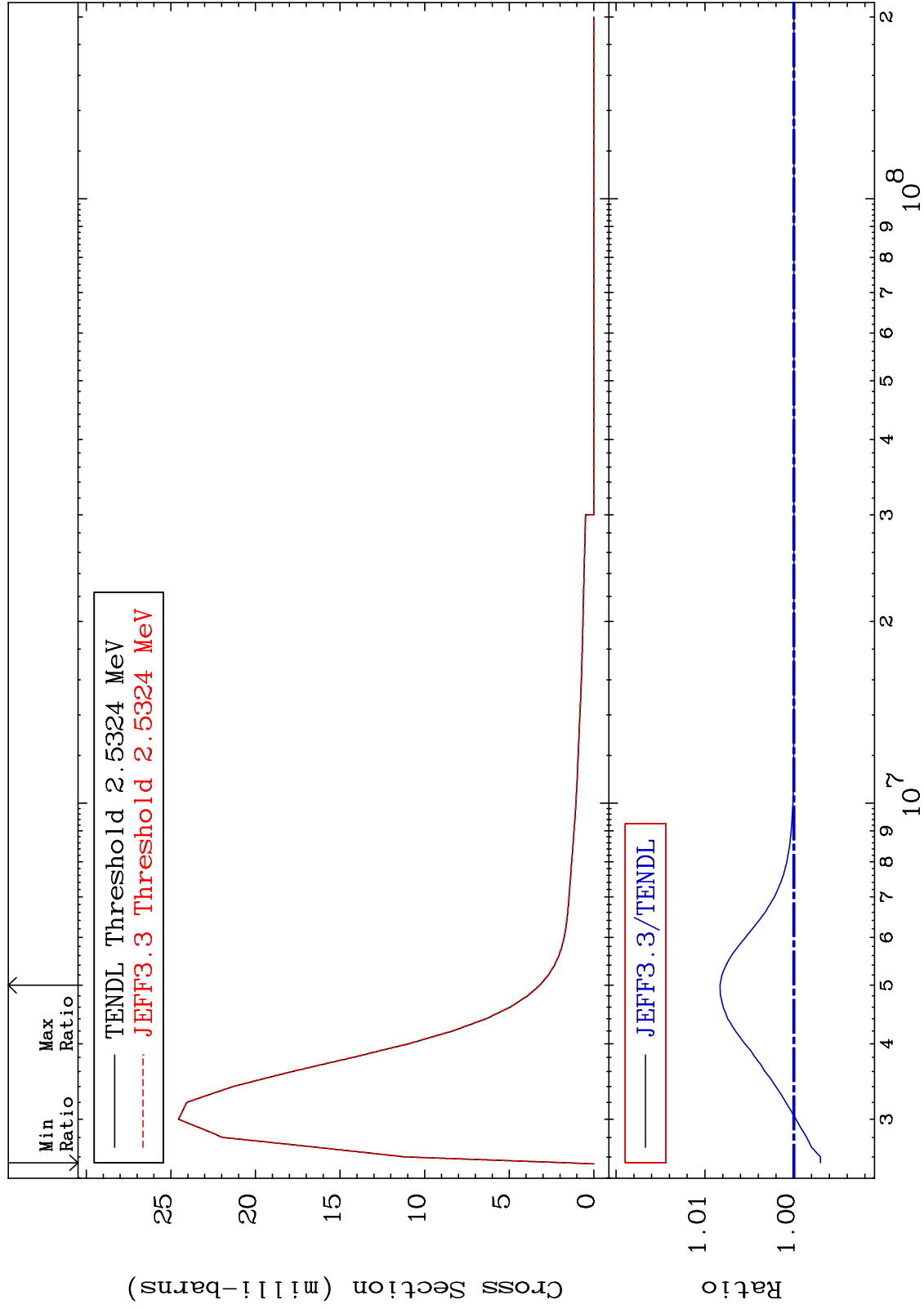
52-Te-124  
-98.92 To 9999. %



MAT 5237

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

52-Te-124  
-0.298 To 0.831 %



45

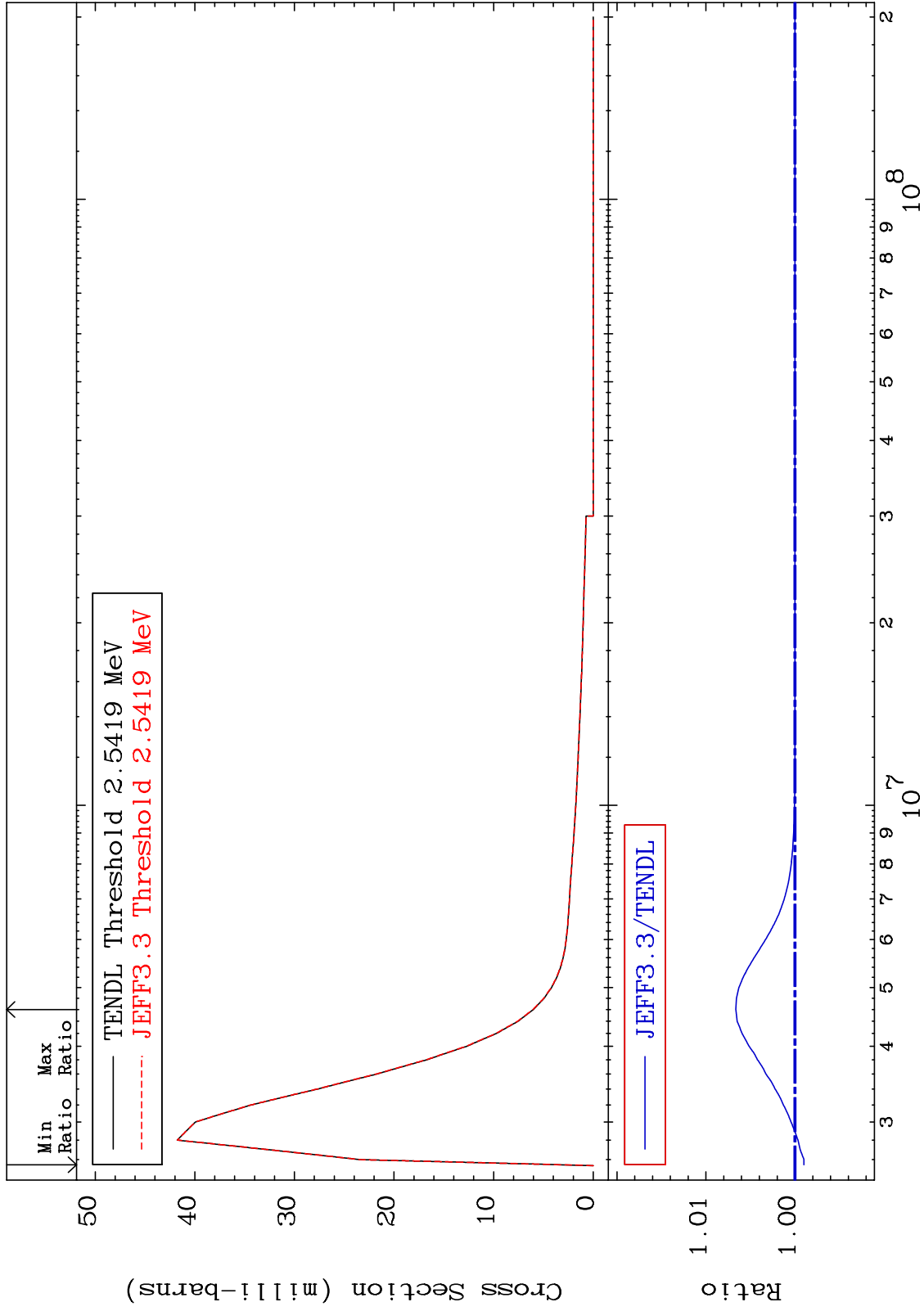
Incident Energy (eV)

52-Te-124

MAT 5237

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

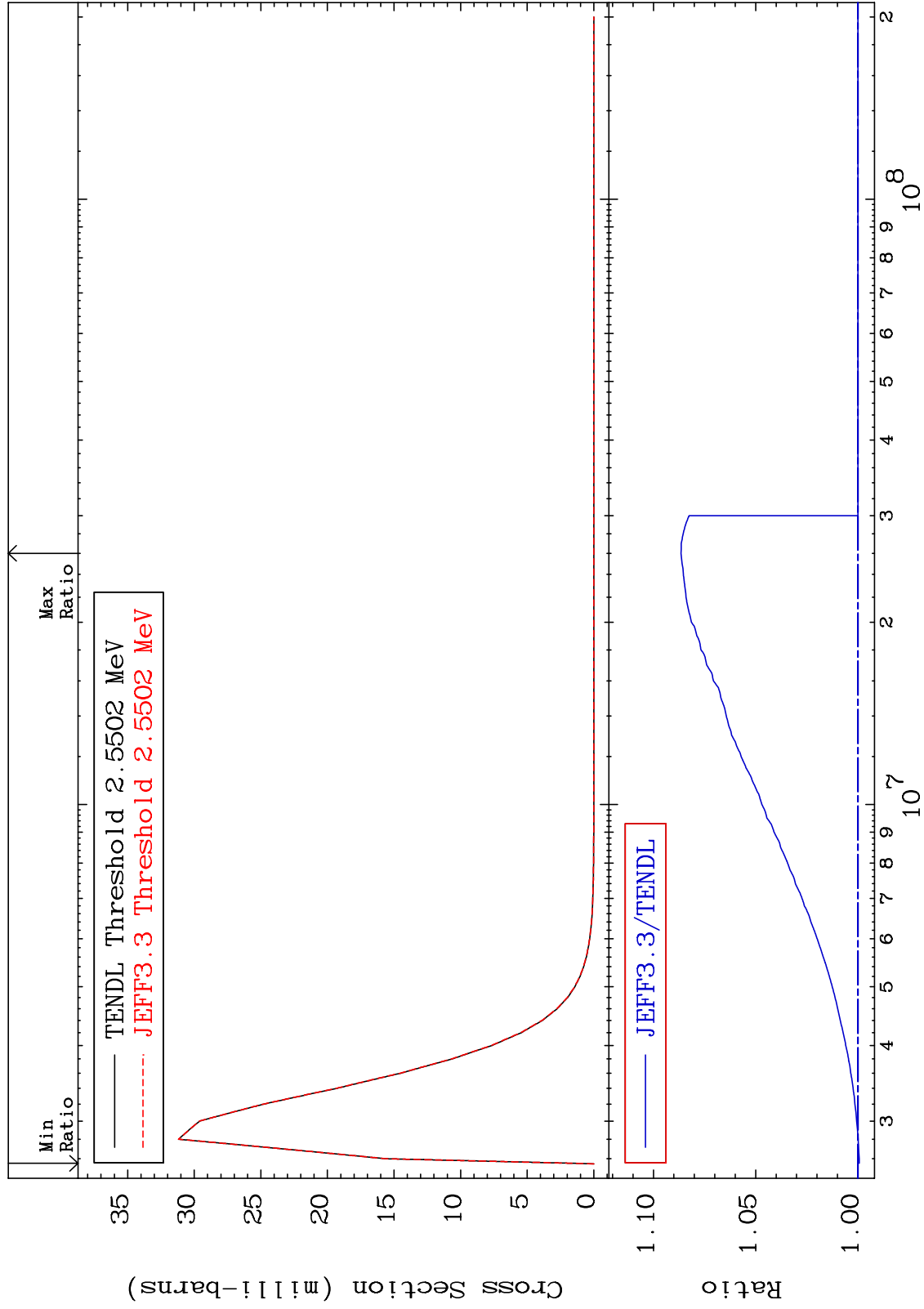
52-Te-124  
-0.101 To 0.664 %



MAT 5237

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

52-Te-124  
-0.066 To 8.649 %



47

Incident Energy (eV)

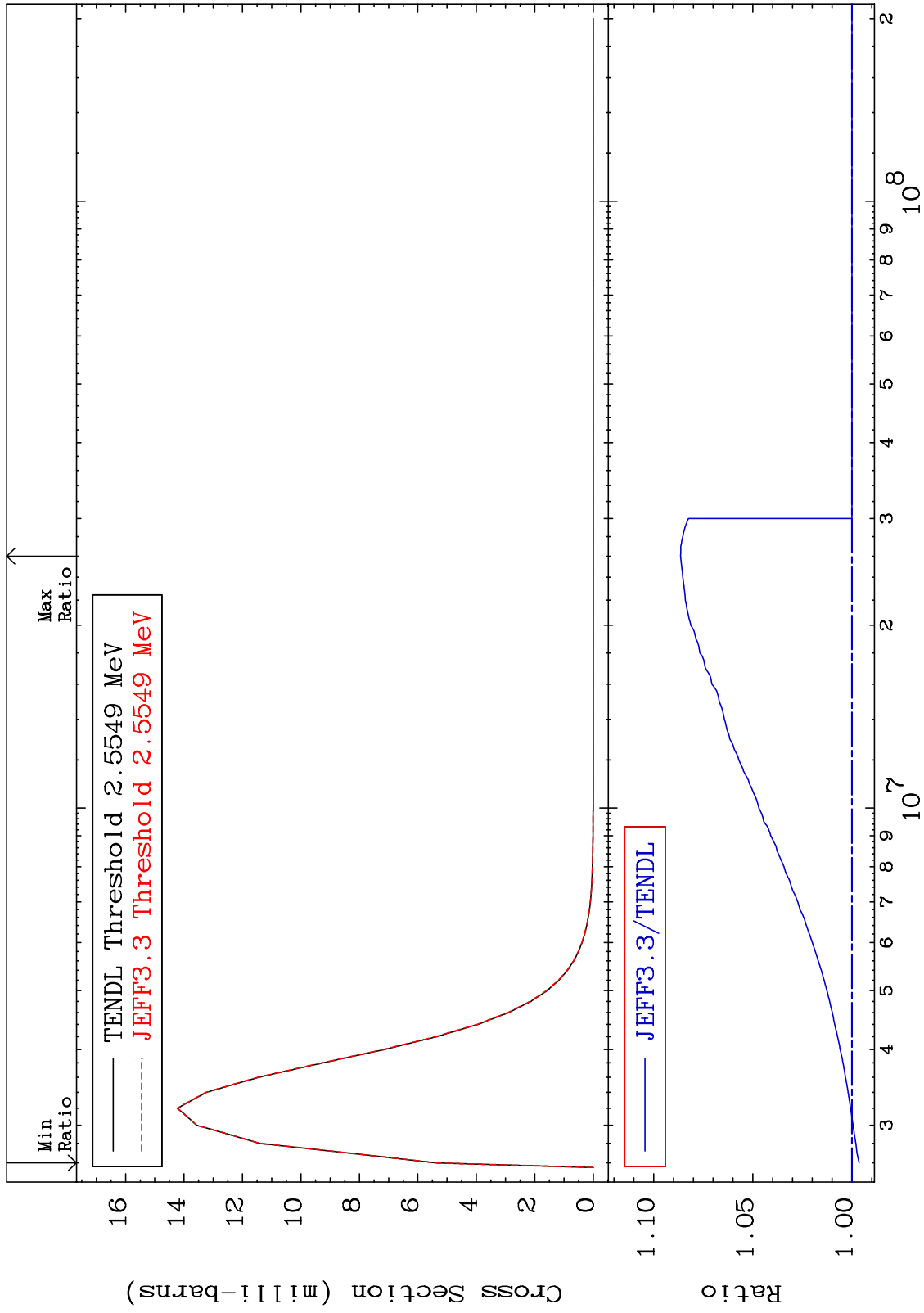
52-Te-124



MAT 5237

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

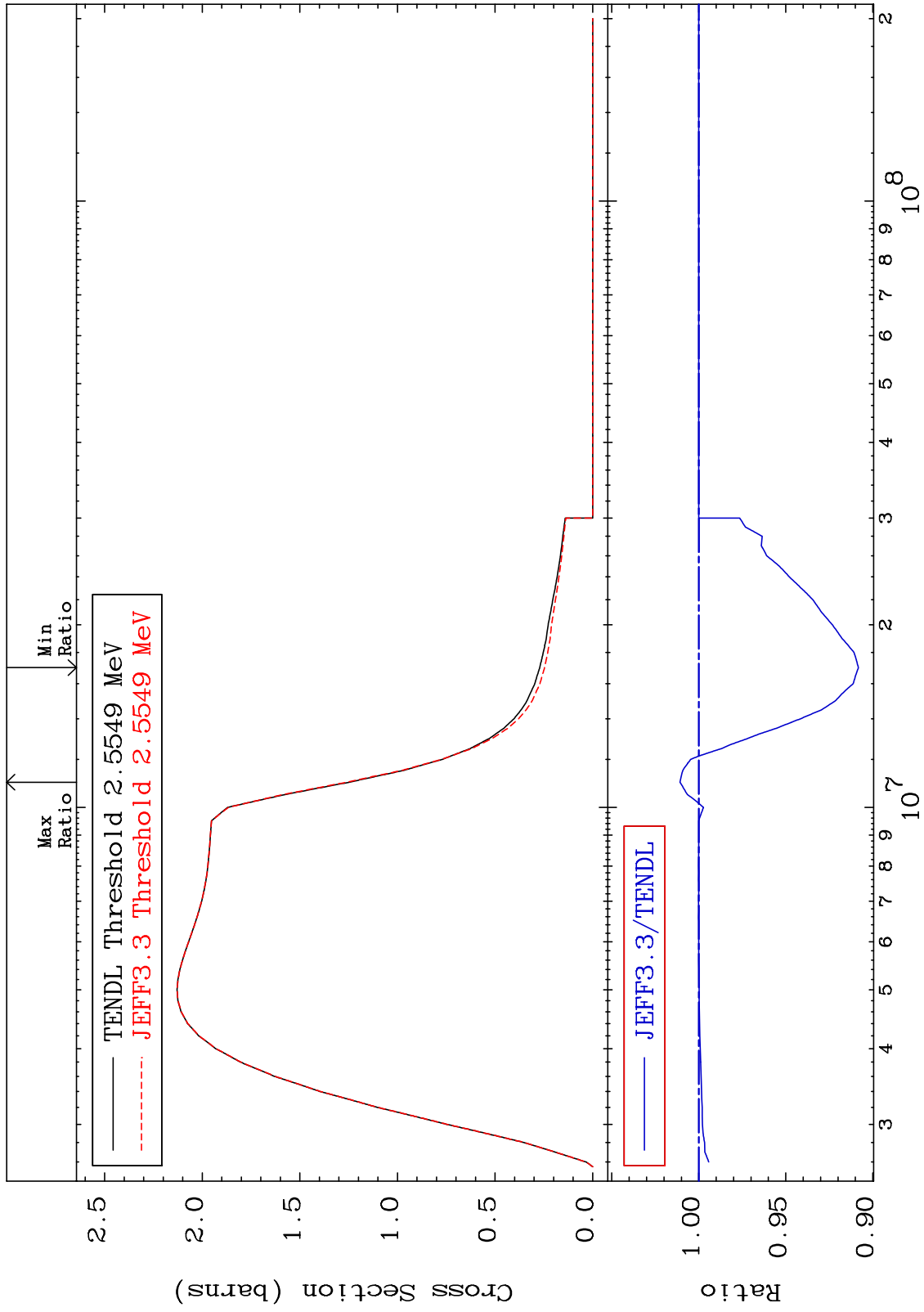
52-Te-124  
-0.366 To 8.642 %



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(n, n') Continuum  
Cross Section

52-Te-124  
-9.173 To 1.079 %



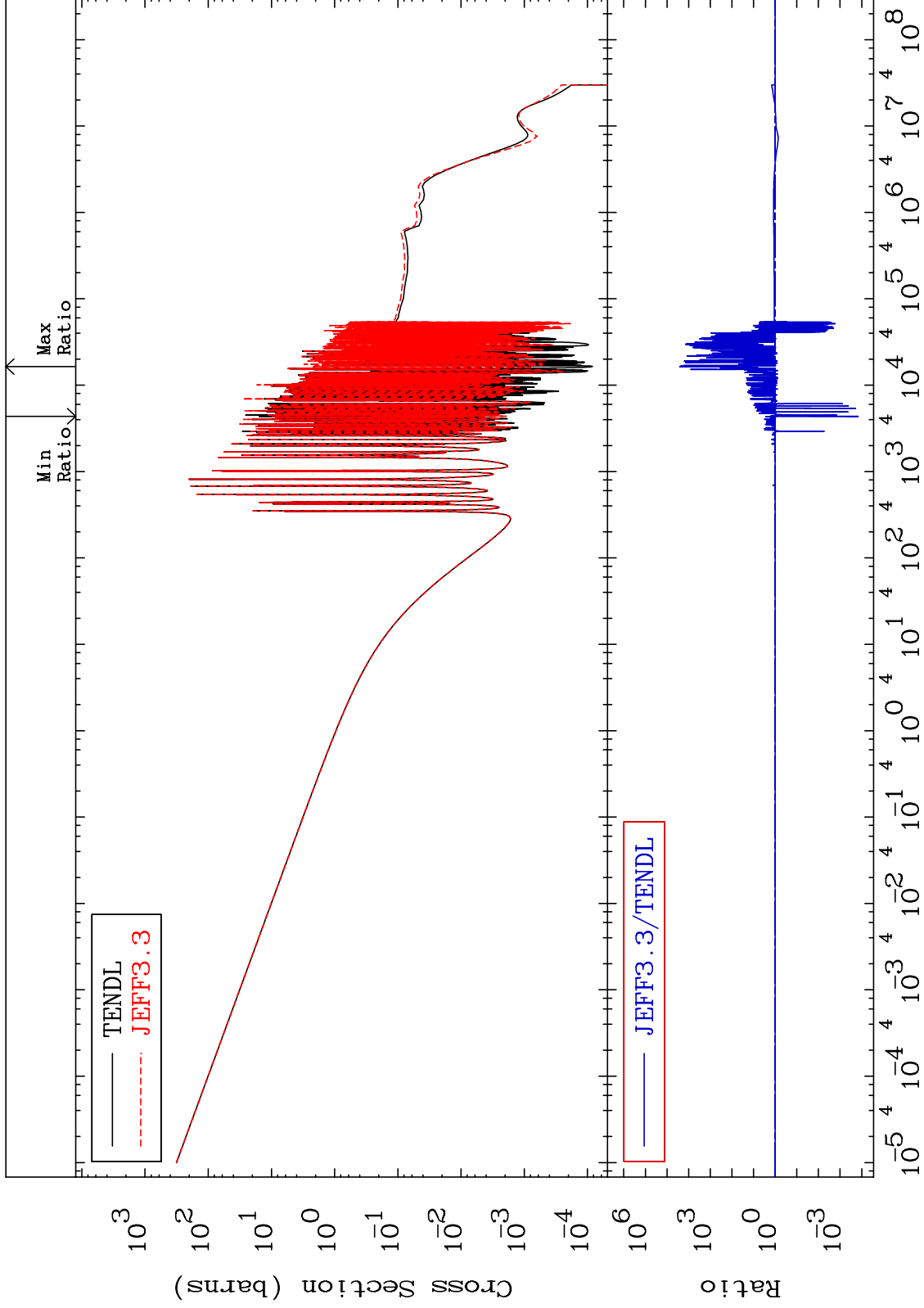
MAT 5237

(n,  $\gamma$ )

52-Te-124

Cross Section

-99.99 To 9999. %



50

Incident Energy (eV)

52-Te-124

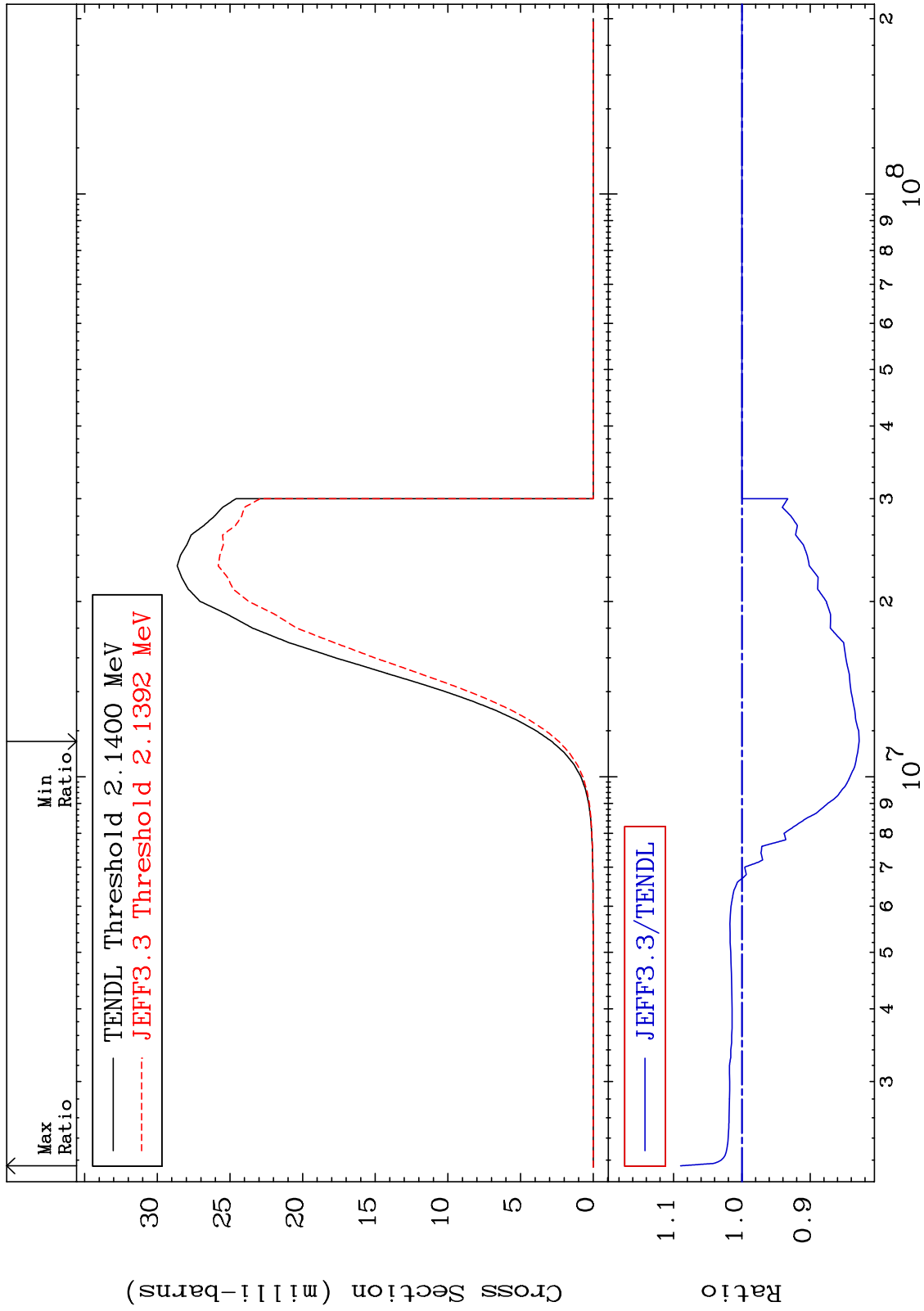
MAT 5237

(n, p)

52-Te-124

Cross Section

-17.16 To 8.979 %



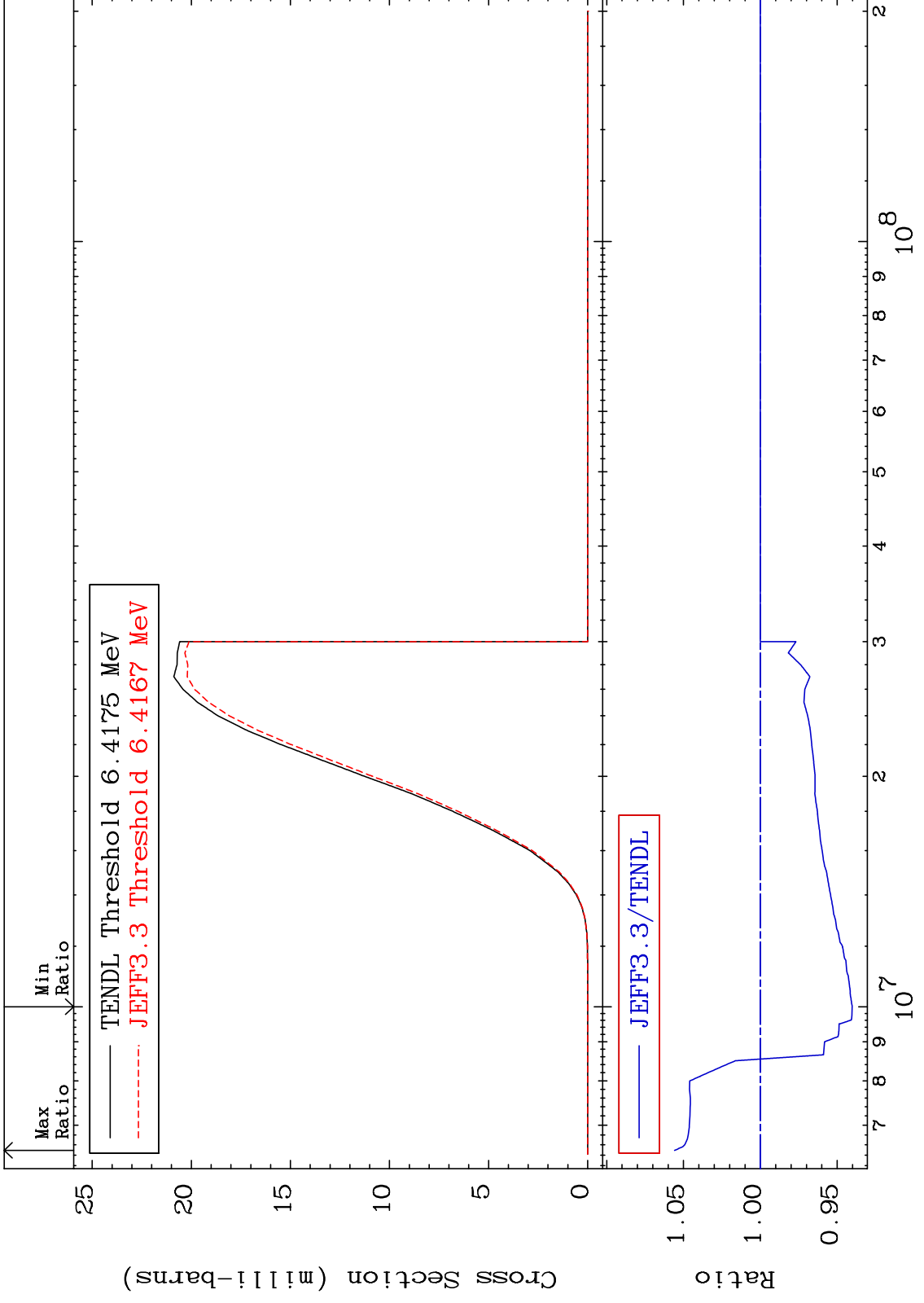
MAT 5237

(n,d)

52-Te-124

Cross Section

-5.976 To 5.582 %



52

Incident Energy (eV)

52-Te-124

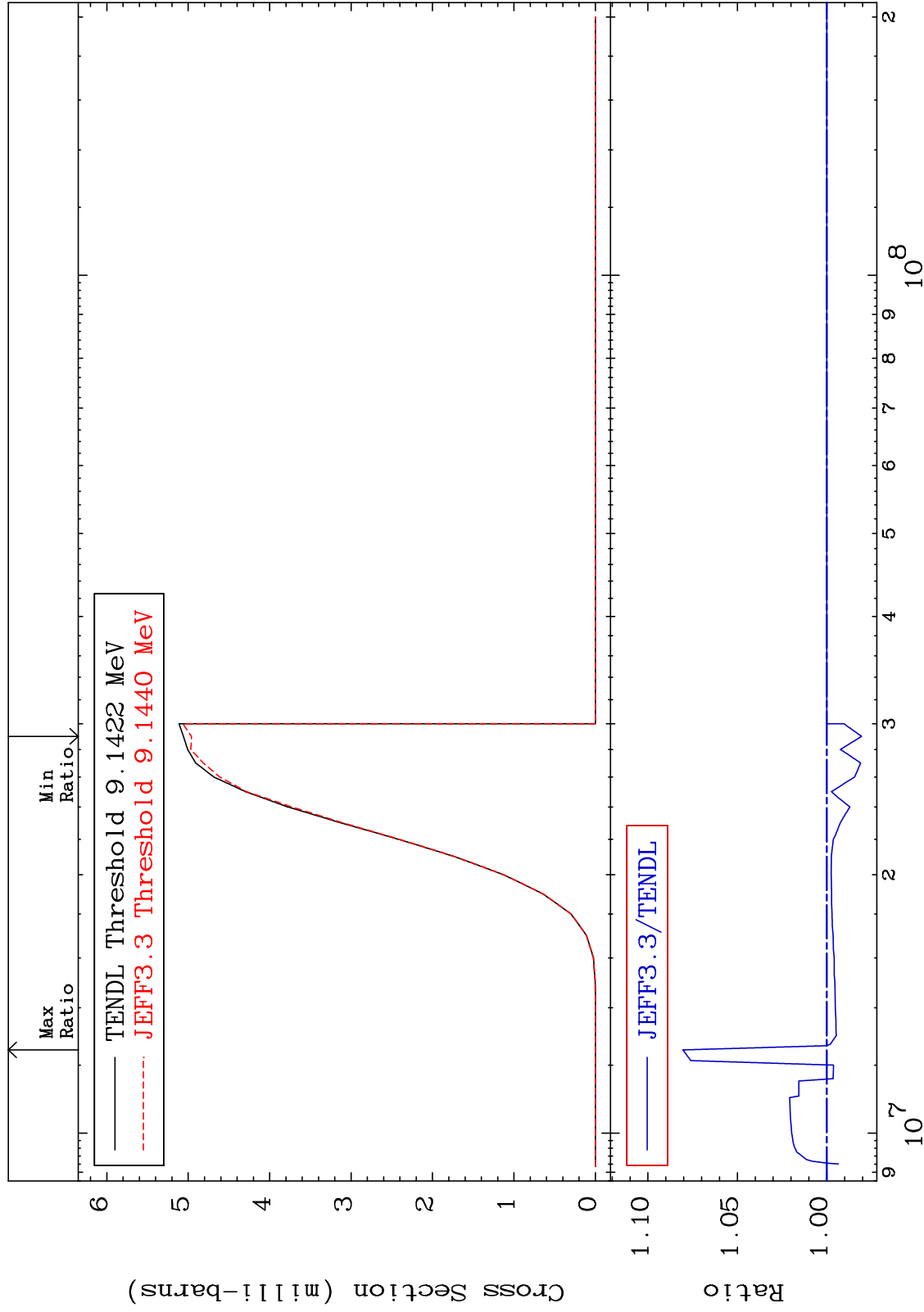
MAT 5237

(n, t)

<sup>52</sup>-Te-124

Cross Section

-1.946 To 8.047 %



Incident Energy (eV)

<sup>52</sup>-Te-124

53

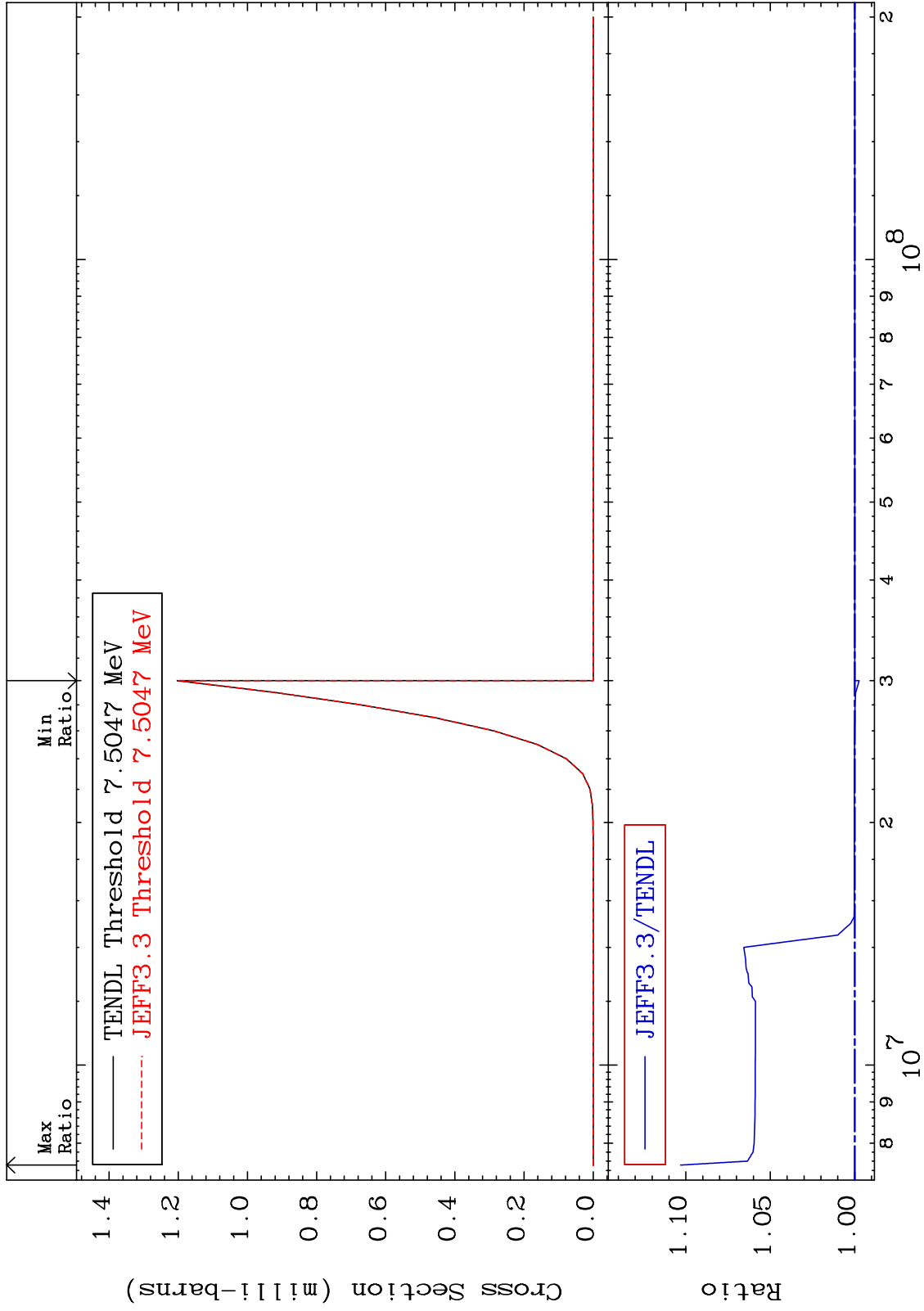
MAT 5237

(n, He-3)

52-Te-124

Cross Section

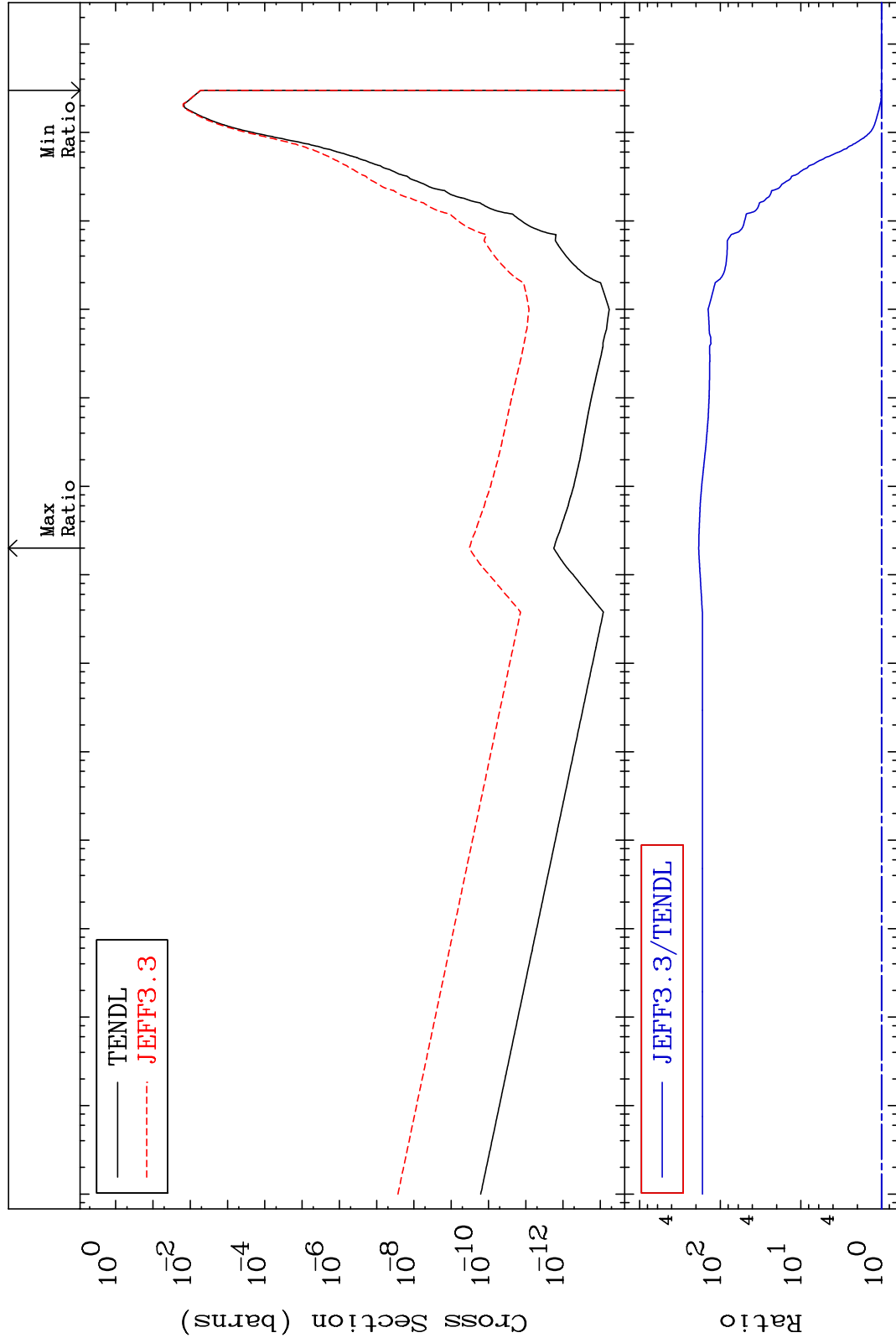
-0.264 To 10.31 %



MAT 5237

(n,  $\alpha$ )  
Cross Section

52-Te-124  
0.000 To 9999. %



55

Incident Energy (eV)

52-Te-124



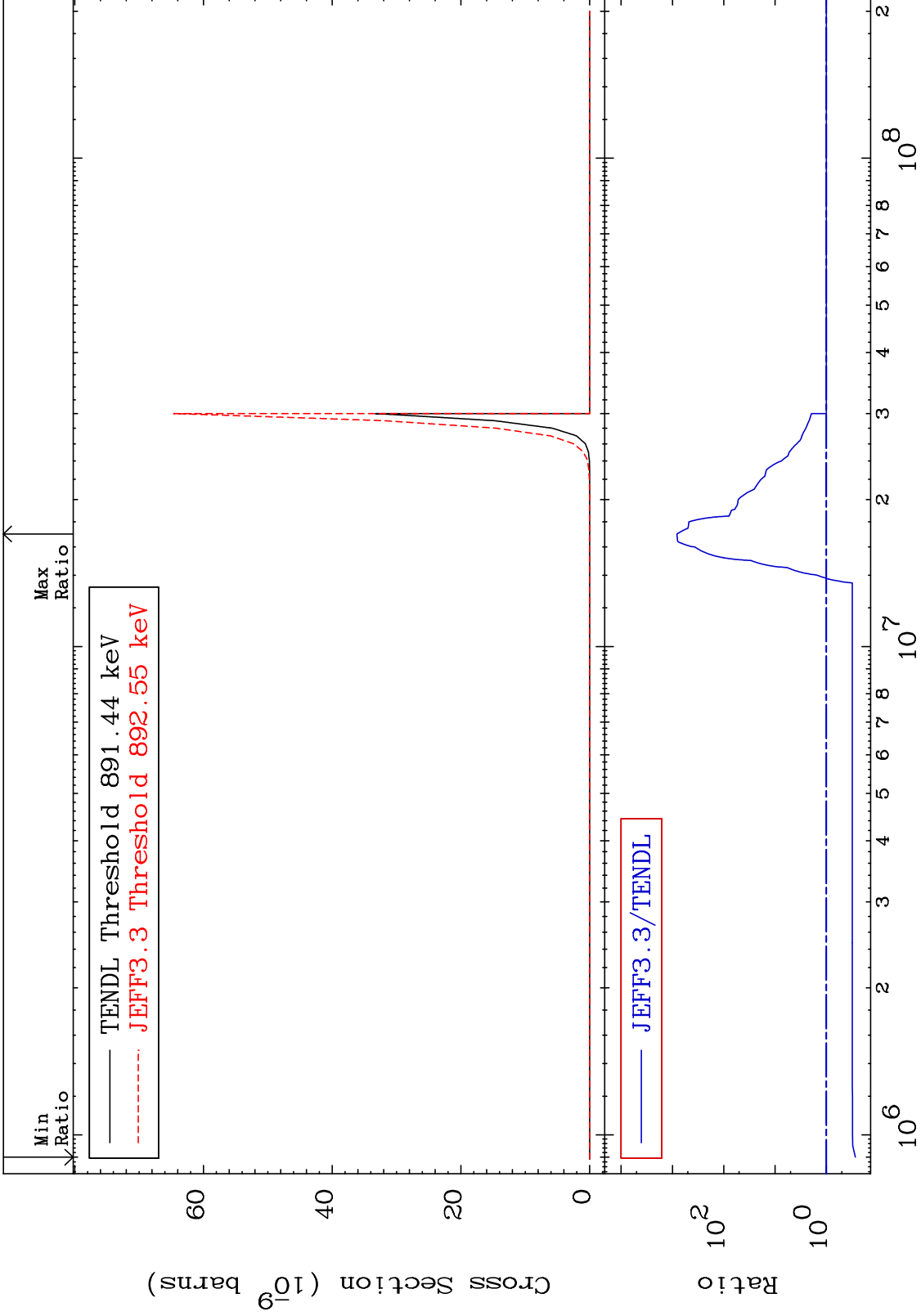
MAT 5237

(n, 2α)

52-Te-124

-72.89 To 9999. %

Cross Section



56

Incident Energy (eV)

52-Te-124

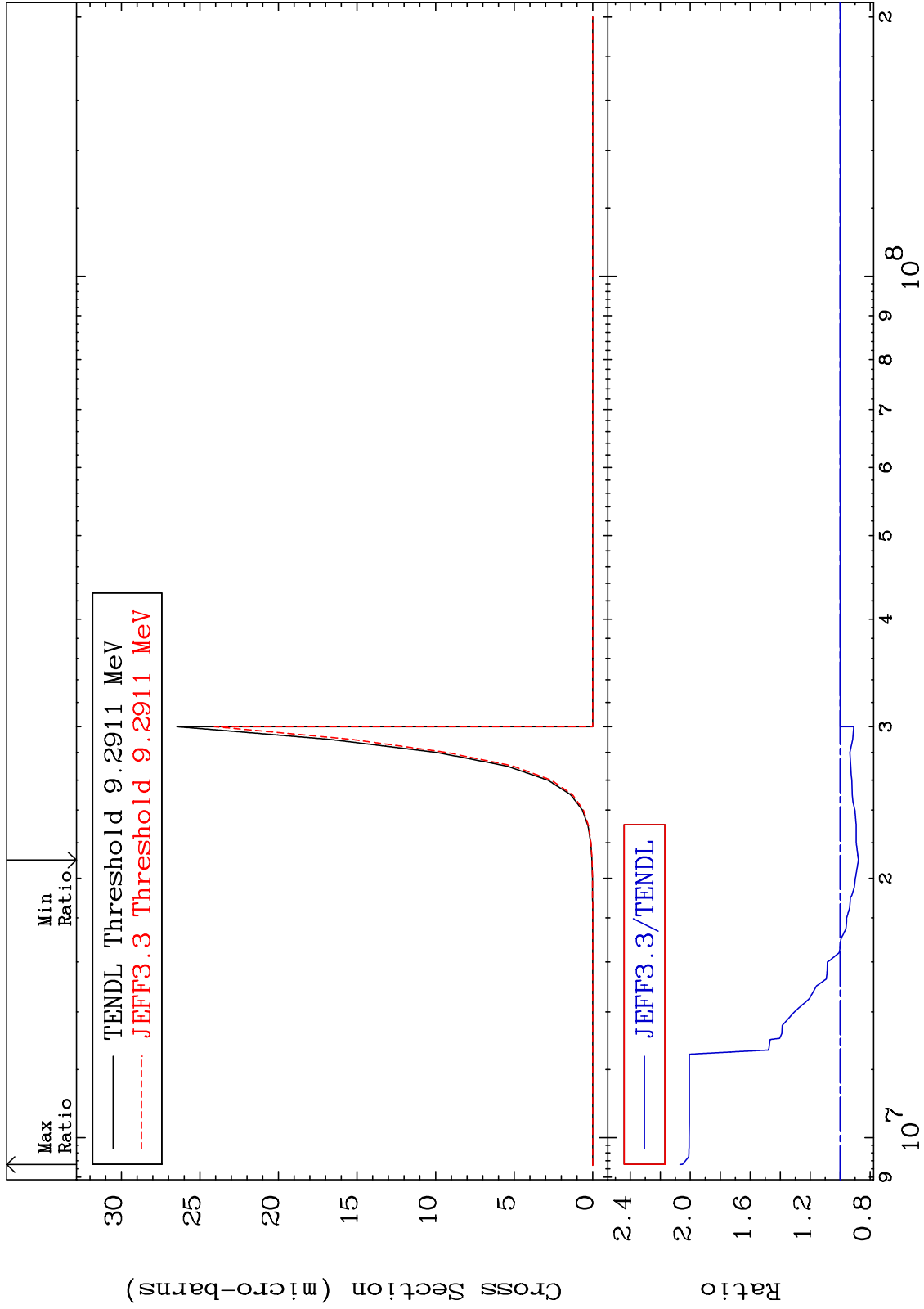
MAT 5237

(n,2p)

52-Te-124

Cross Section

-12.14 To 106.8 %



57

Incident Energy (eV)

52-Te-124

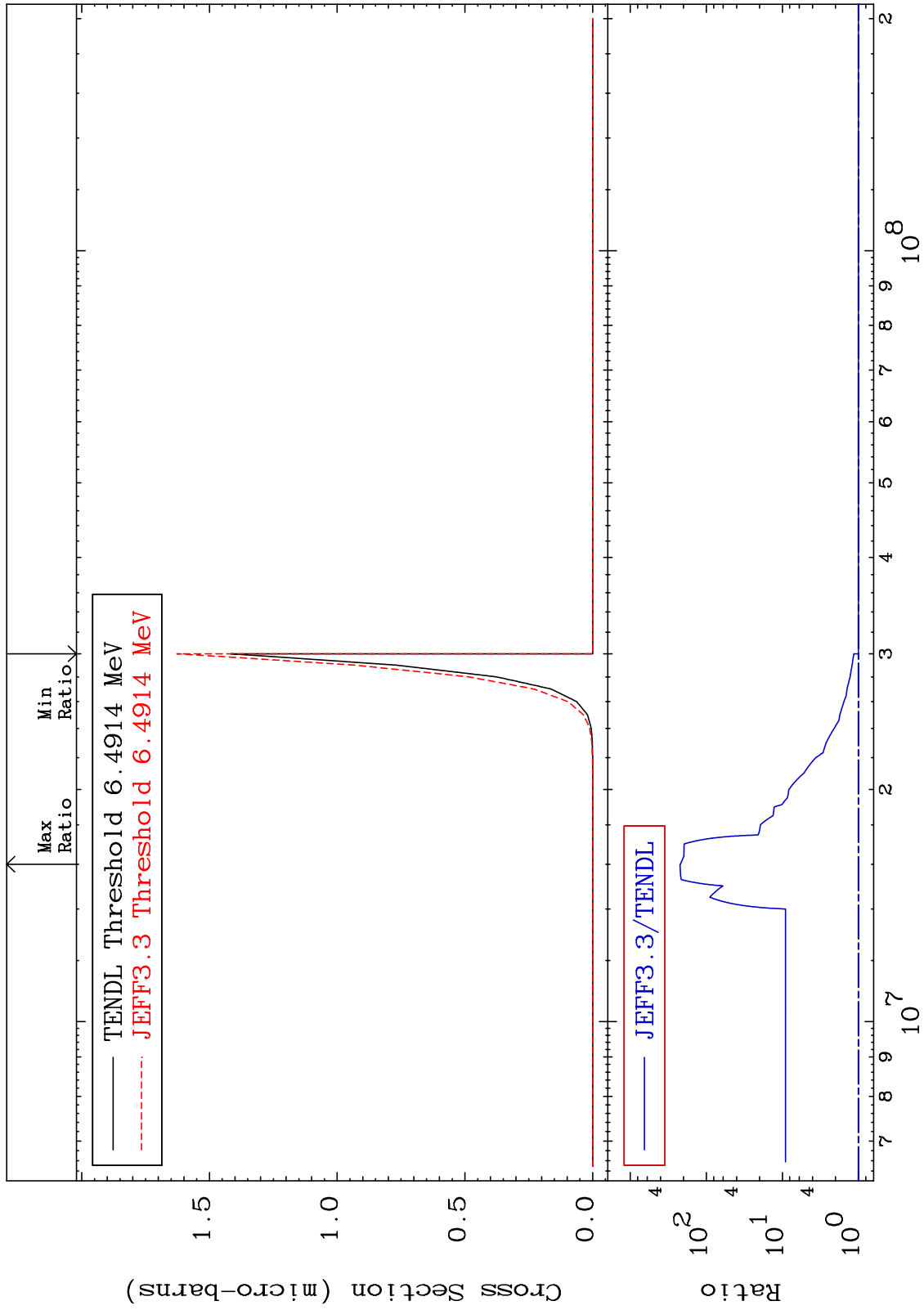
MAT 5237

(n,p)  $\alpha$

52-Te-124

Cross Section

0.000 To 9999. %



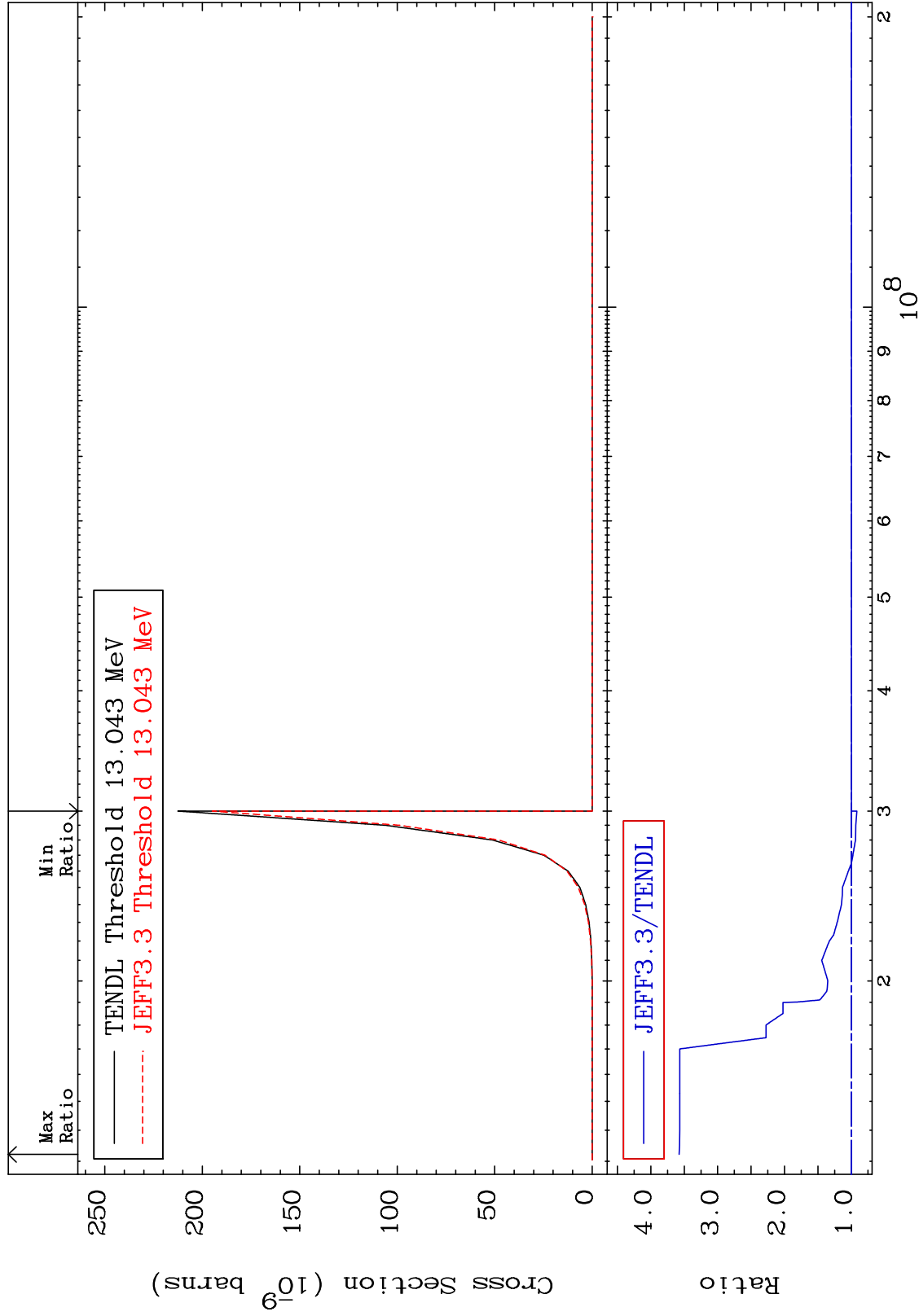
MAT 5237

(n,p) d

52-Te-124

Cross Section

-8.361 To 257.6 %



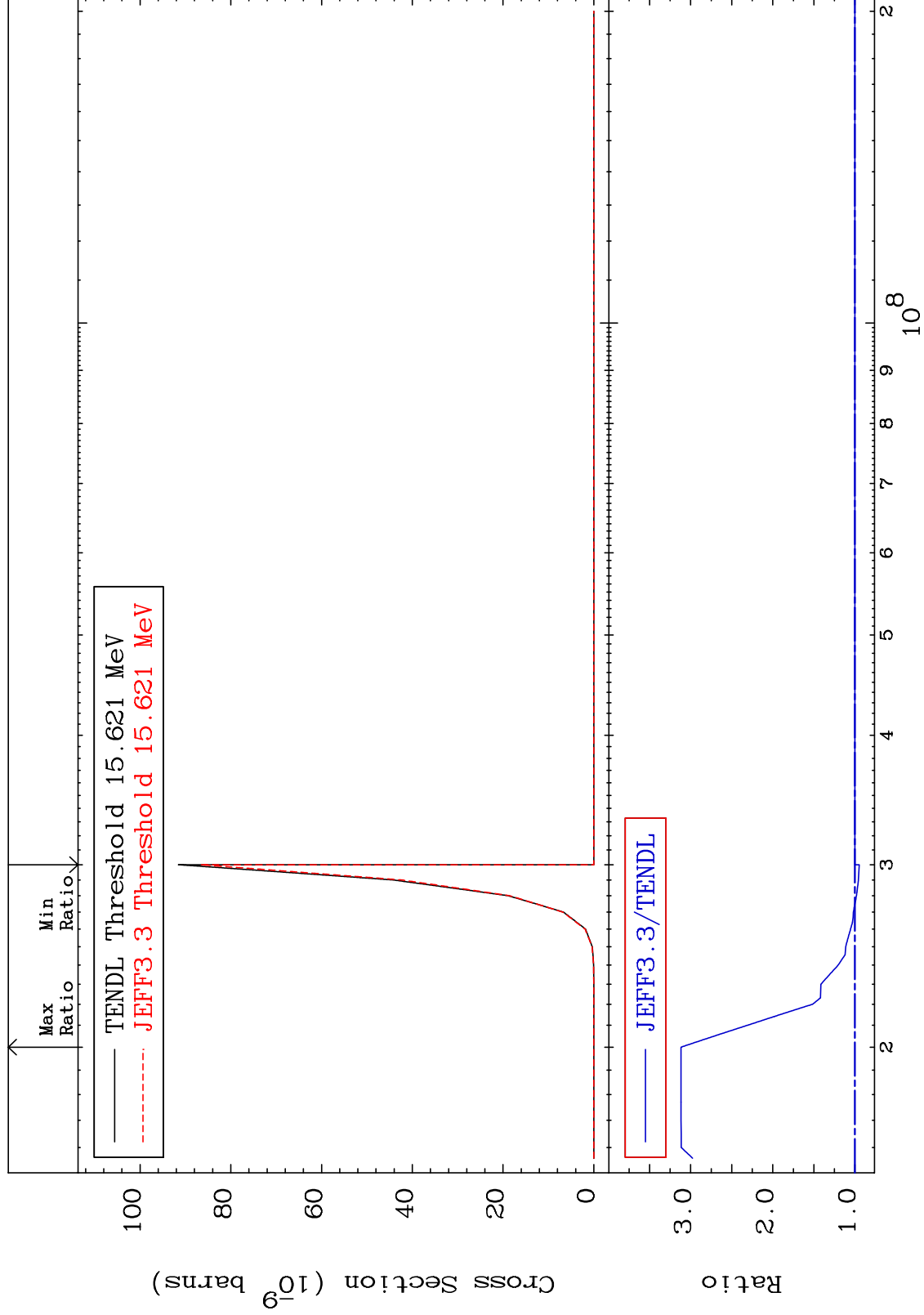
MAT 5237

(n,p) t

52-Te-124

Cross Section

-5.279 To 211.7 %



60

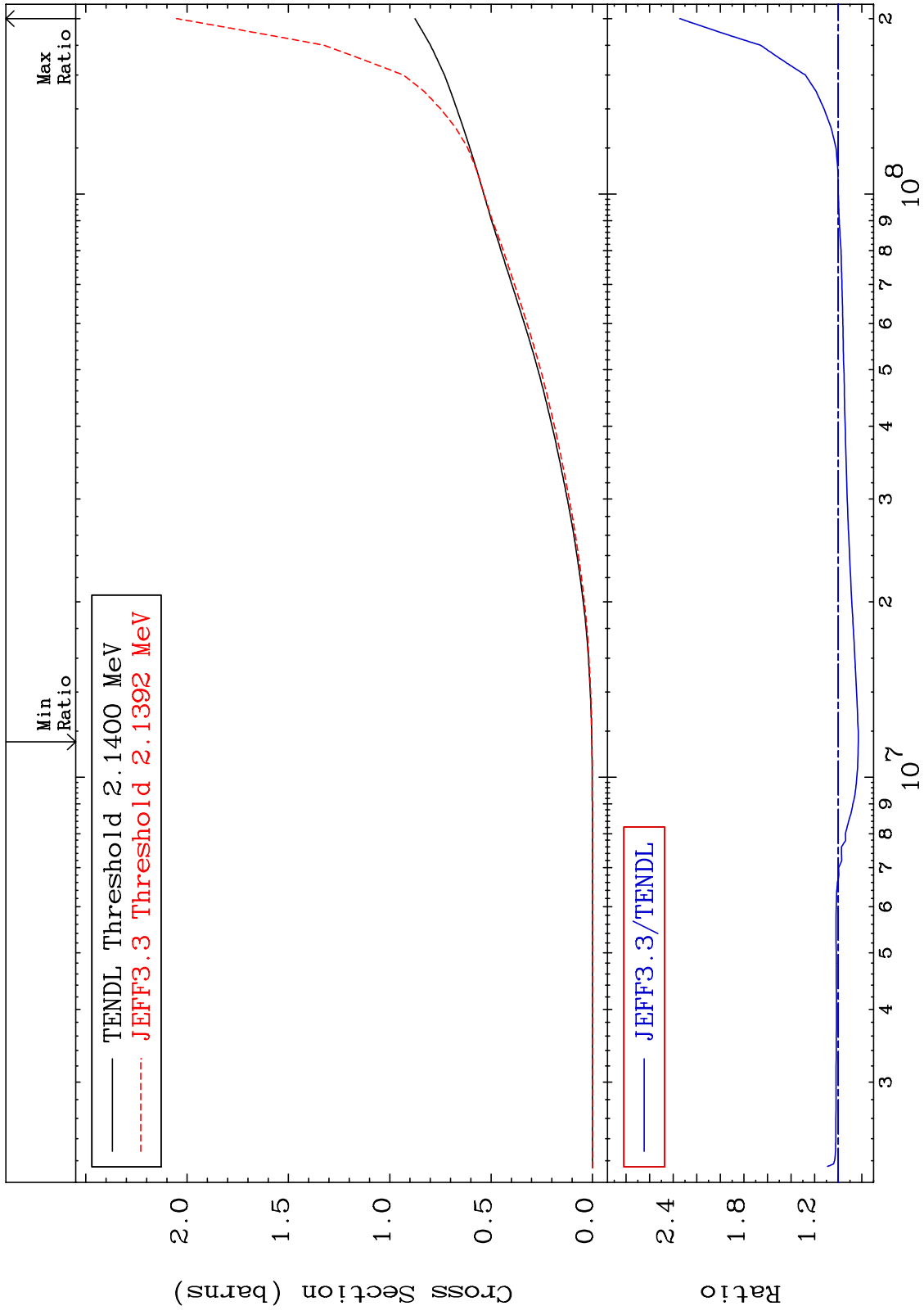
Incident Energy (eV)

52-Te-124

MAT 5237

Hydrogen Production  
Cross Section

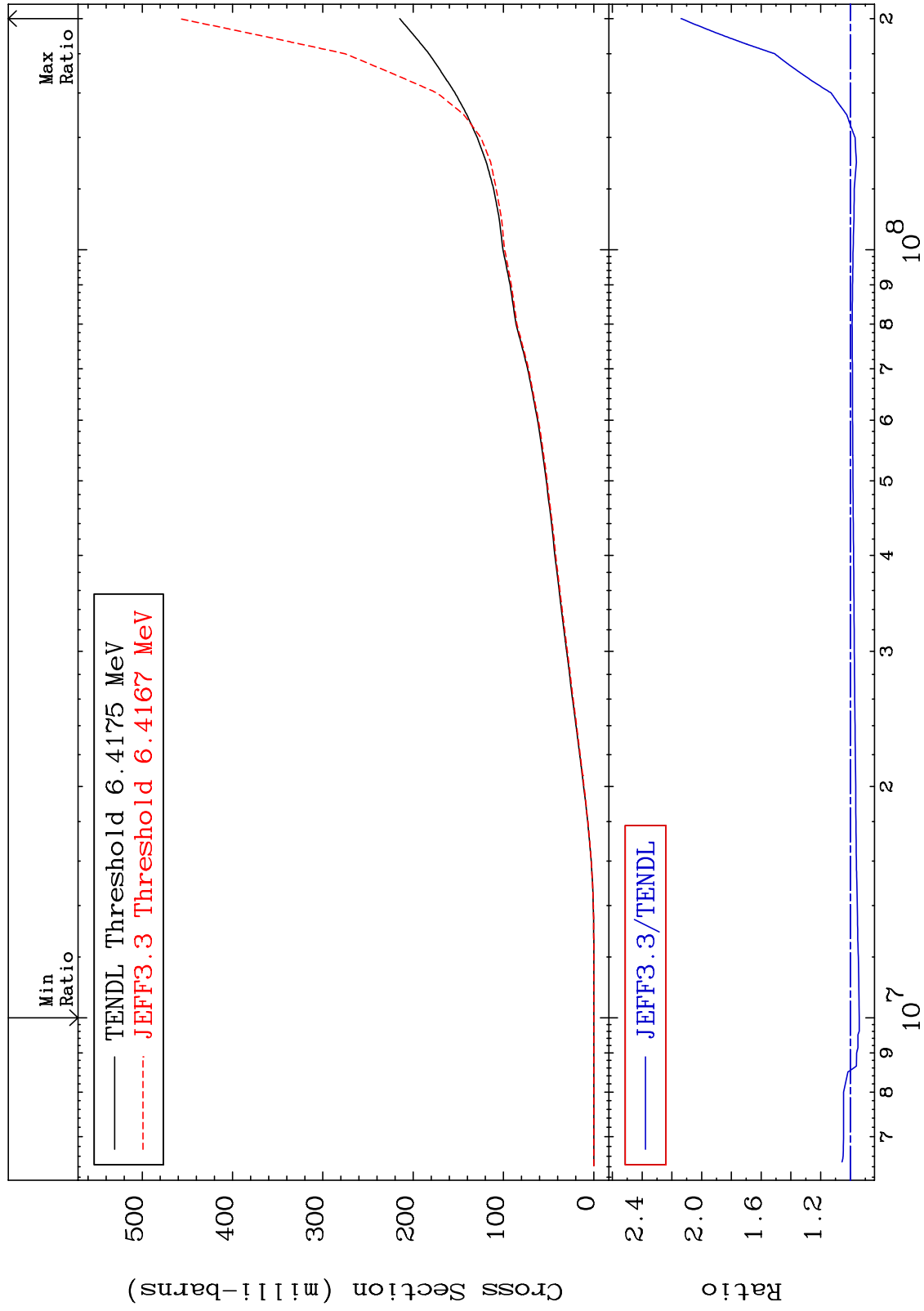
52-Te-124  
-17.15 To 134.3 %



MAT 5237

Deuterium Production  
Cross Section

52-Te-124  
-5.976 To 113.8 %



62

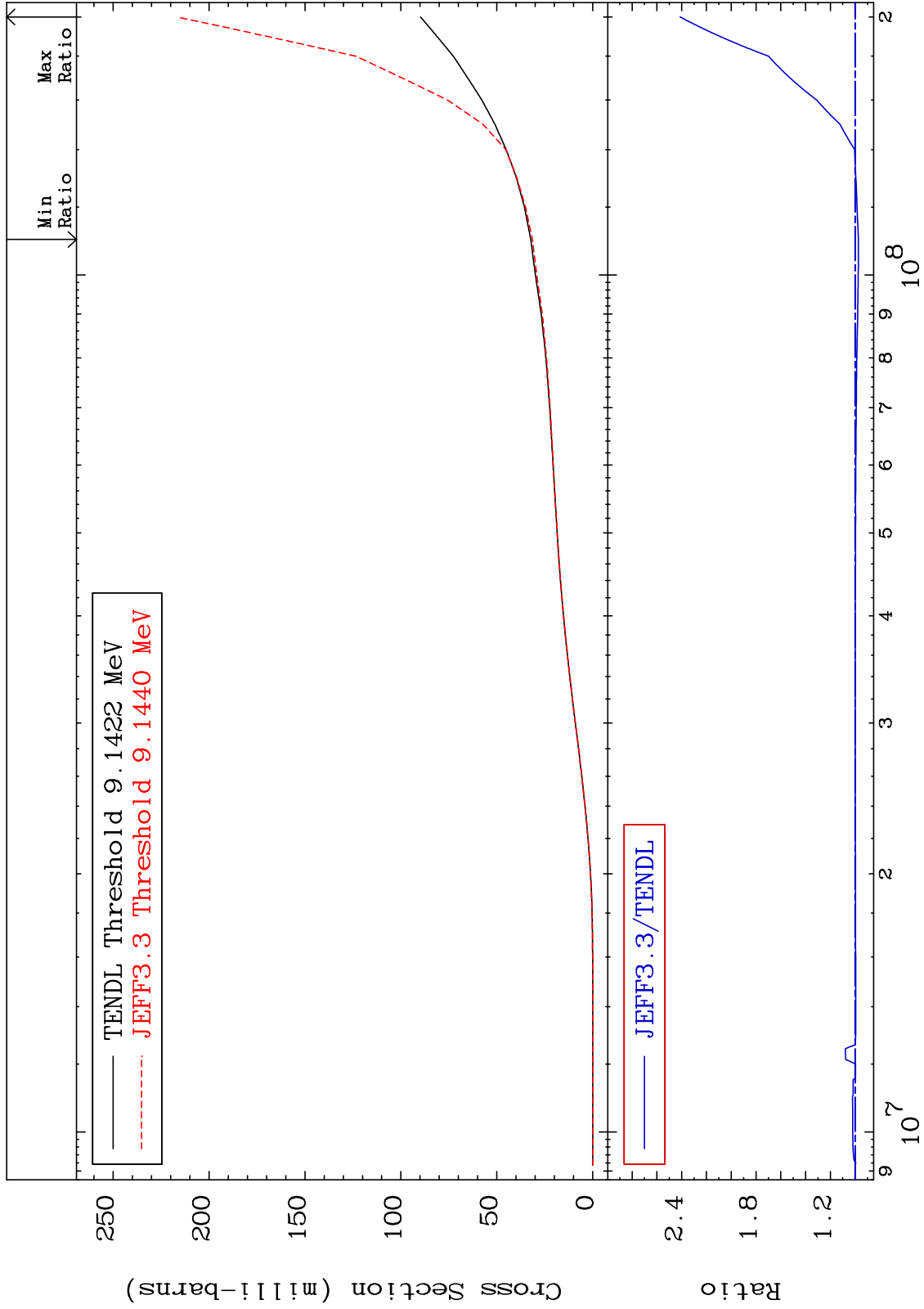
Incident Energy (eV)

52-Te-124

MAT 5237

Tritium Production  
Cross Section

52-Te-124  
-2.639 To 141.3 %



63

Incident Energy (eV)

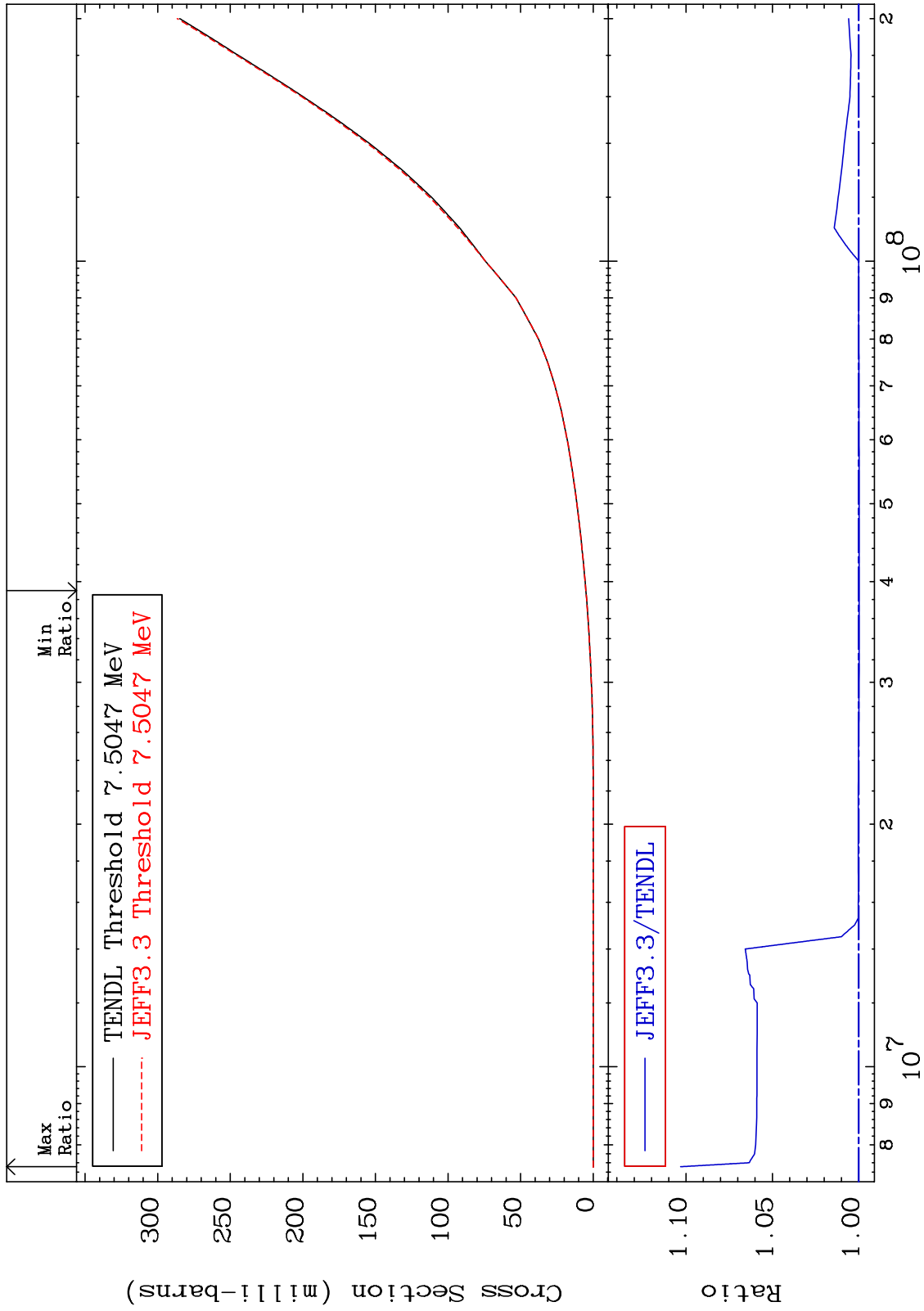
52-Te-124



MAT 5237

He-3 Production  
Cross Section

52-Te-124  
-0.027 To 10.31 %



64

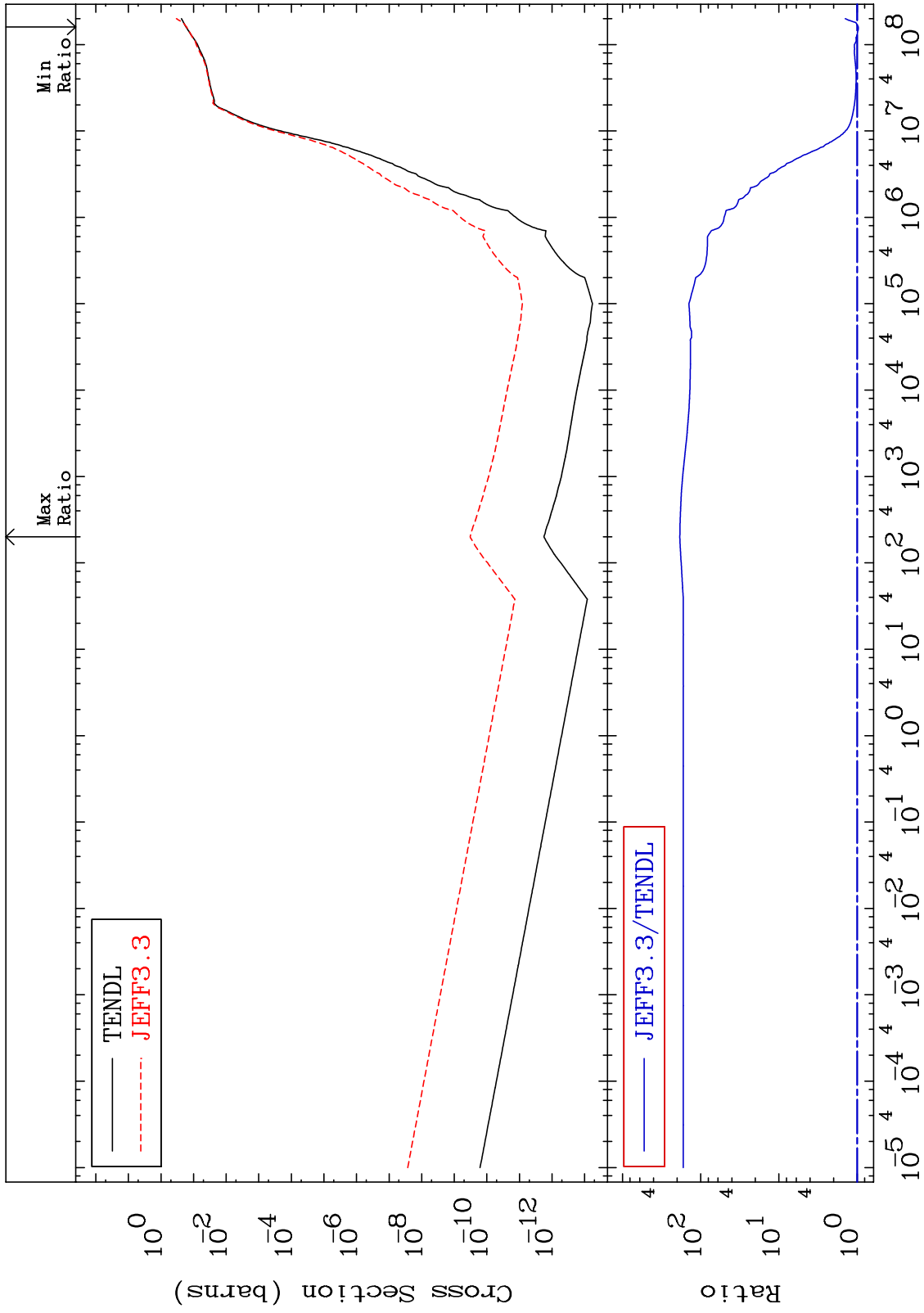
Incident Energy (eV)

52-Te-124

MAT 5237

He-4 Production  
Cross Section

52-Te-124  
-3.563 To 9999. %



65

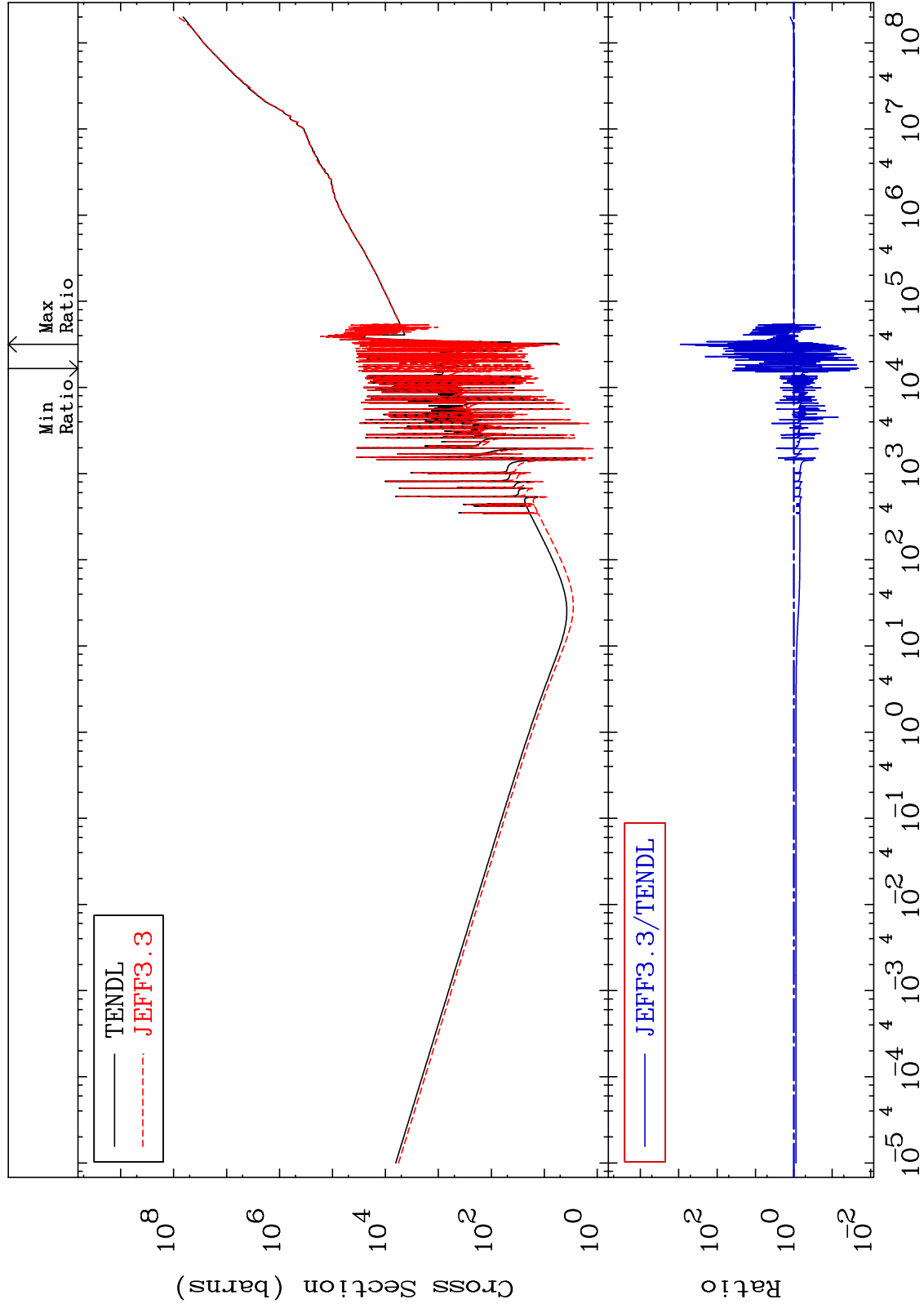
Incident Energy (eV)

52-Te-124

MAT 5237

Kerma total (eV-barns)  
Cross Section

52-Te-124  
-97.94 To 9999. %



66

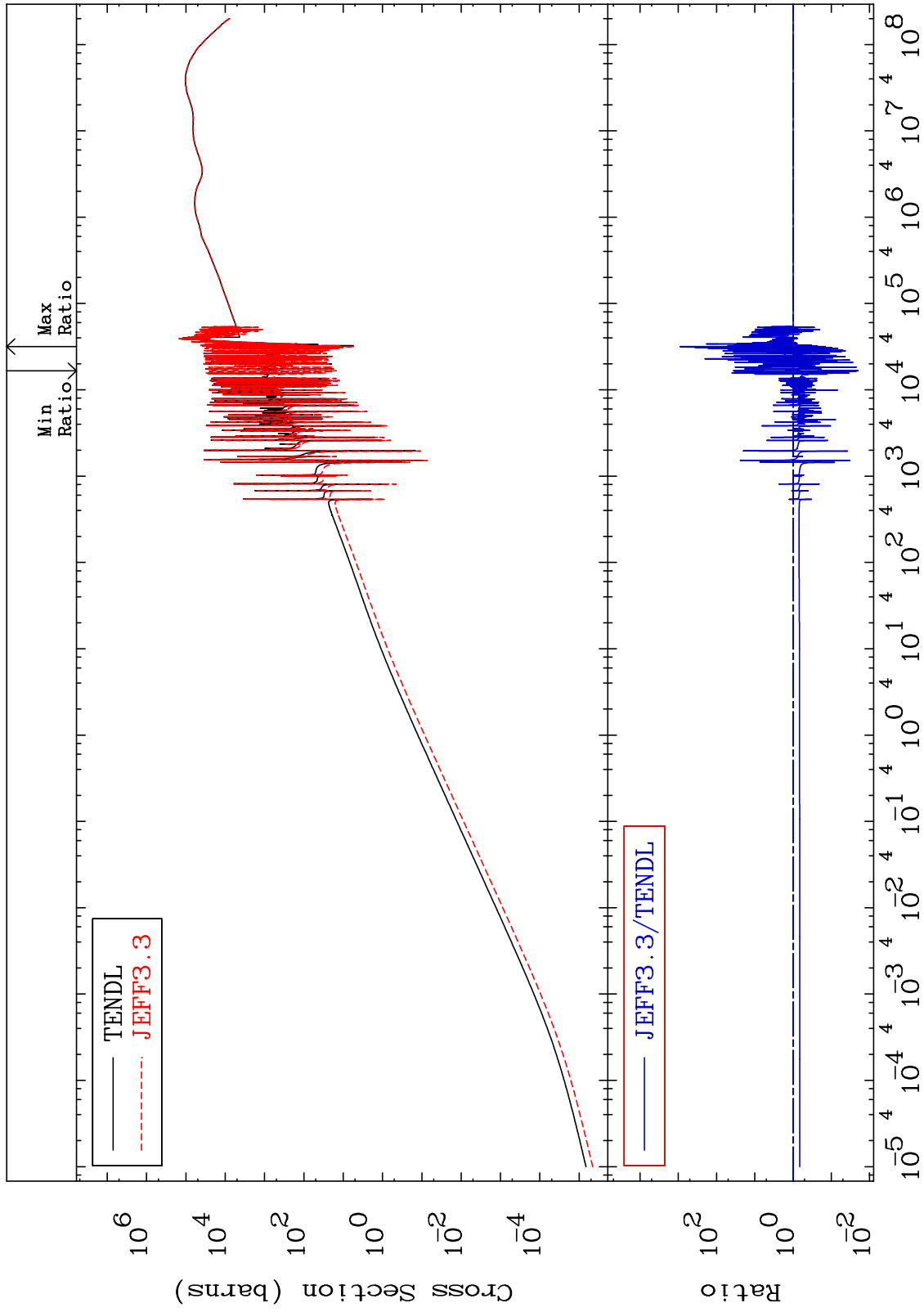
Incident Energy (eV)

52-Te-124

MAT 5237

Kerma elastic  
Cross Section

52-Te-124  
-98.04 To 9999. %



67

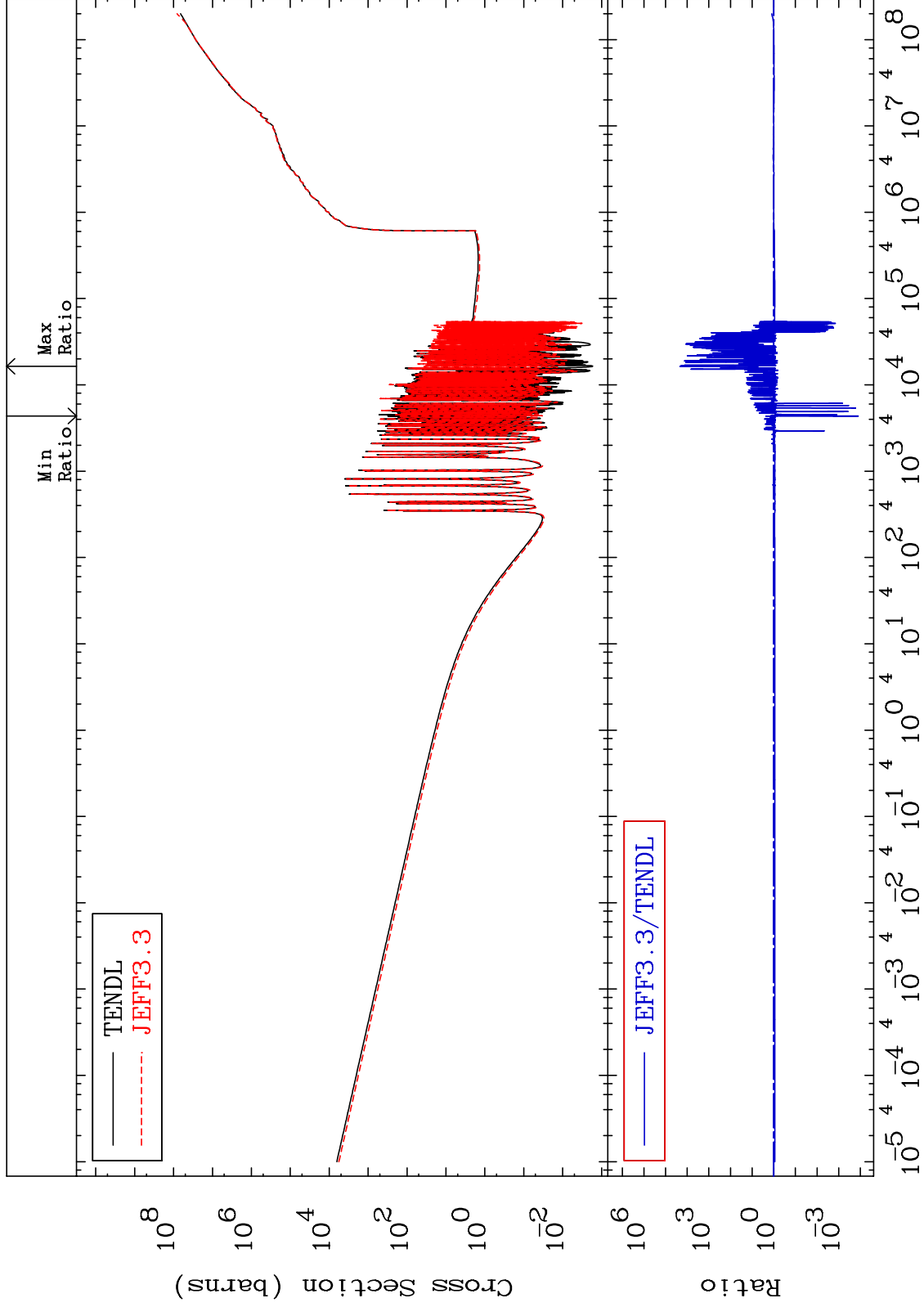
Incident Energy (eV)

52-Te-124

MAT 5237

Kerma non-elastic (all but mt2)  
Cross Section

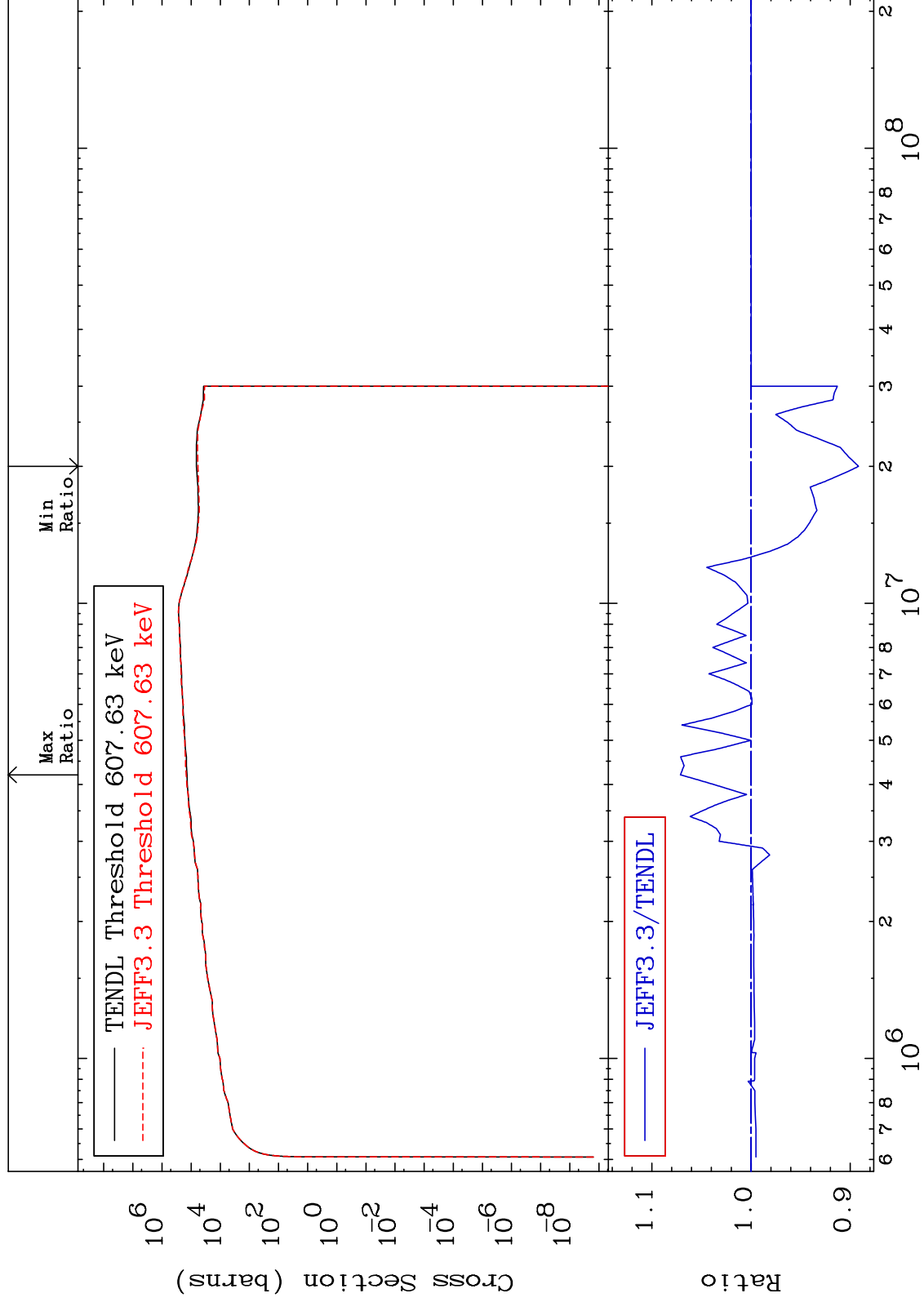
52-Te-124  
-99.99 To 9999. %



MAT 5237

Kerma inelastic (mt51-91)  
Cross Section

52-Te-124  
-10.84 To 7.120 %



69

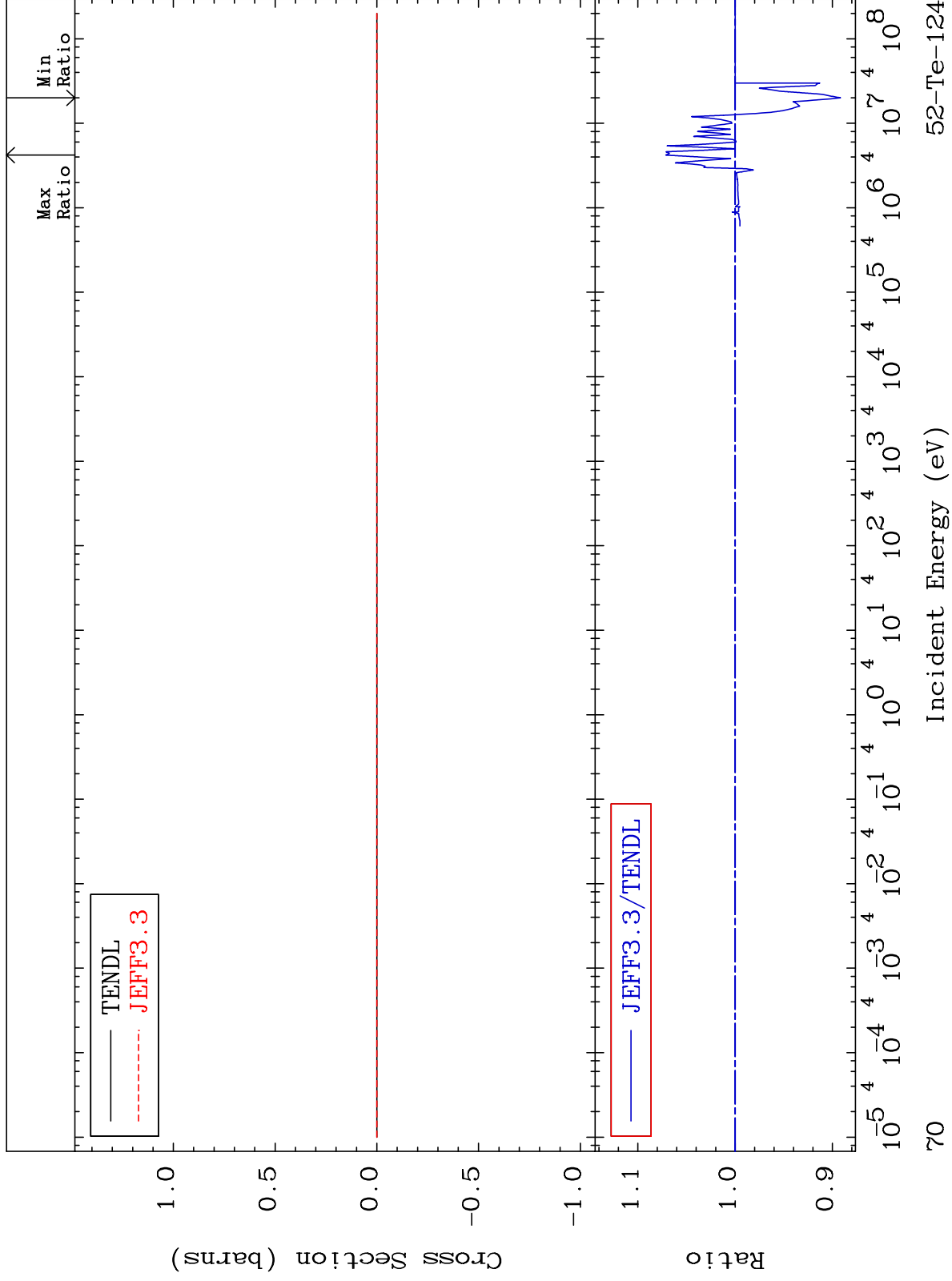
Incident Energy (eV)

52-Te-124

MAT 5237

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

52-Te-124  
-10.84 To 7.120 %



70

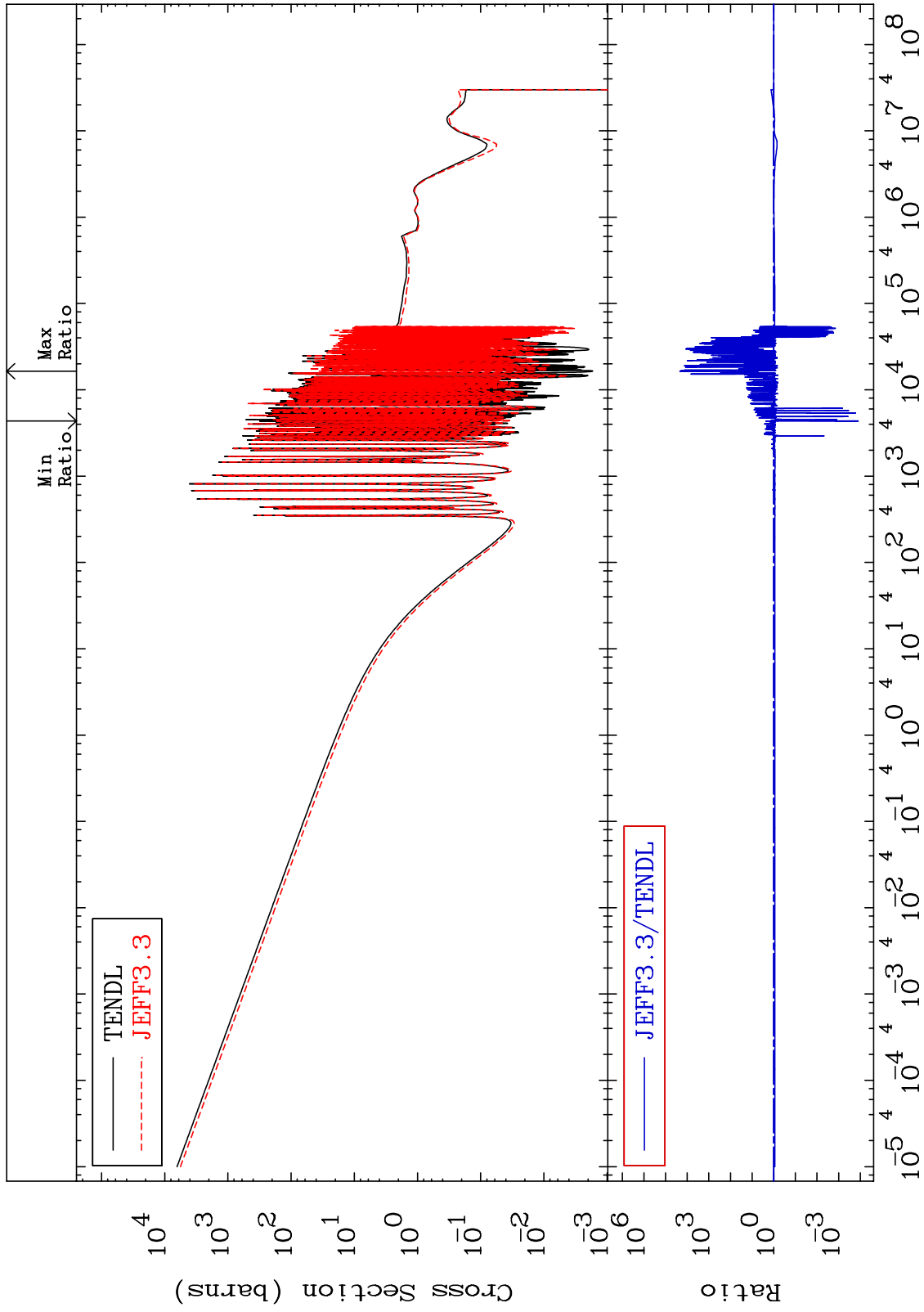
Incident Energy (eV)

52-Te-124

MAT 5237

Kerma capture (mt102)  
Cross Section

52-Te-124  
-99.99 To 9999. %



71

Incident Energy (eV)

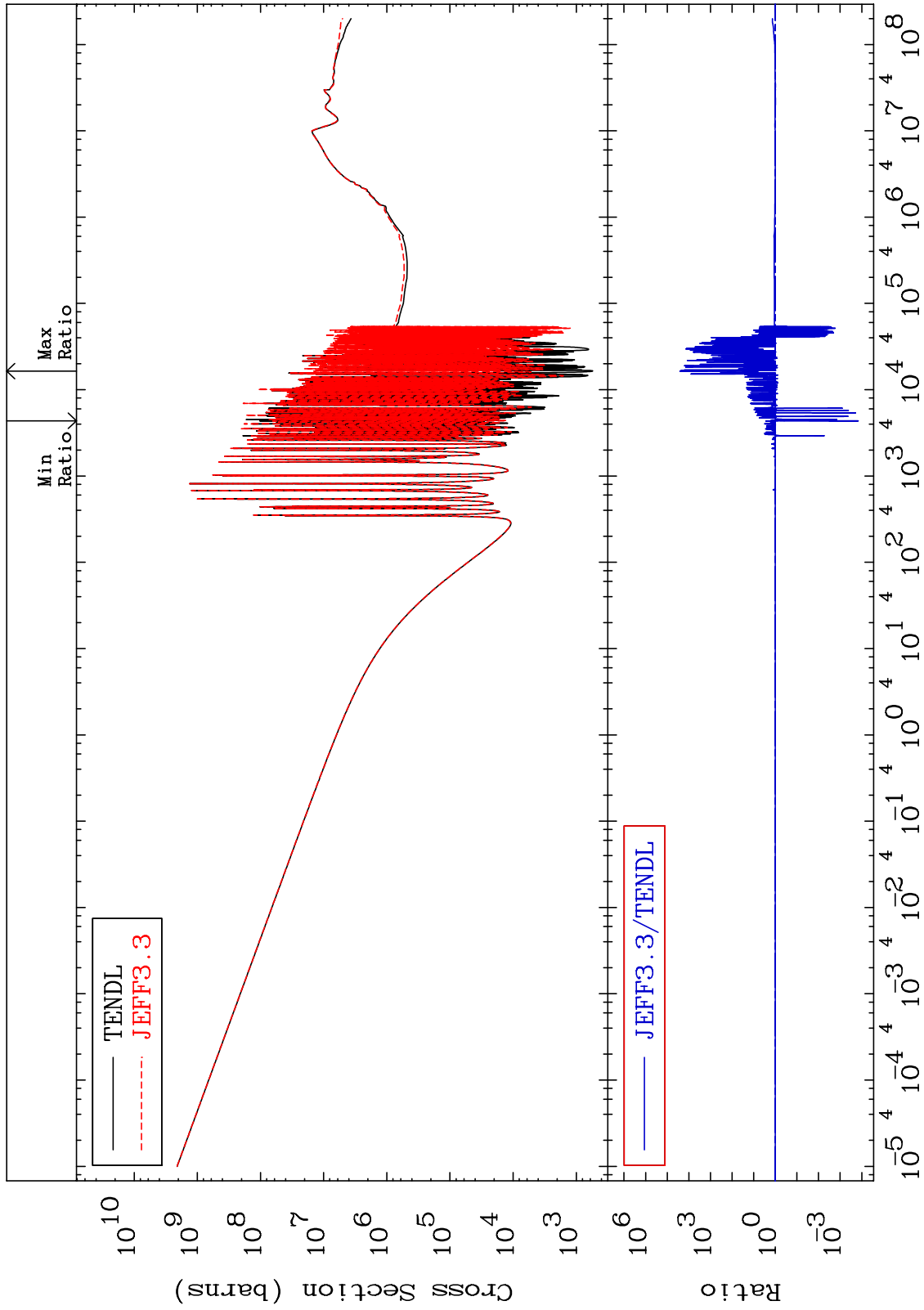
52-Te-124



MAT 5237

Total photon (eV-barns)  
Cross Section

52-Te-124  
-99.99 To 9999. %



72

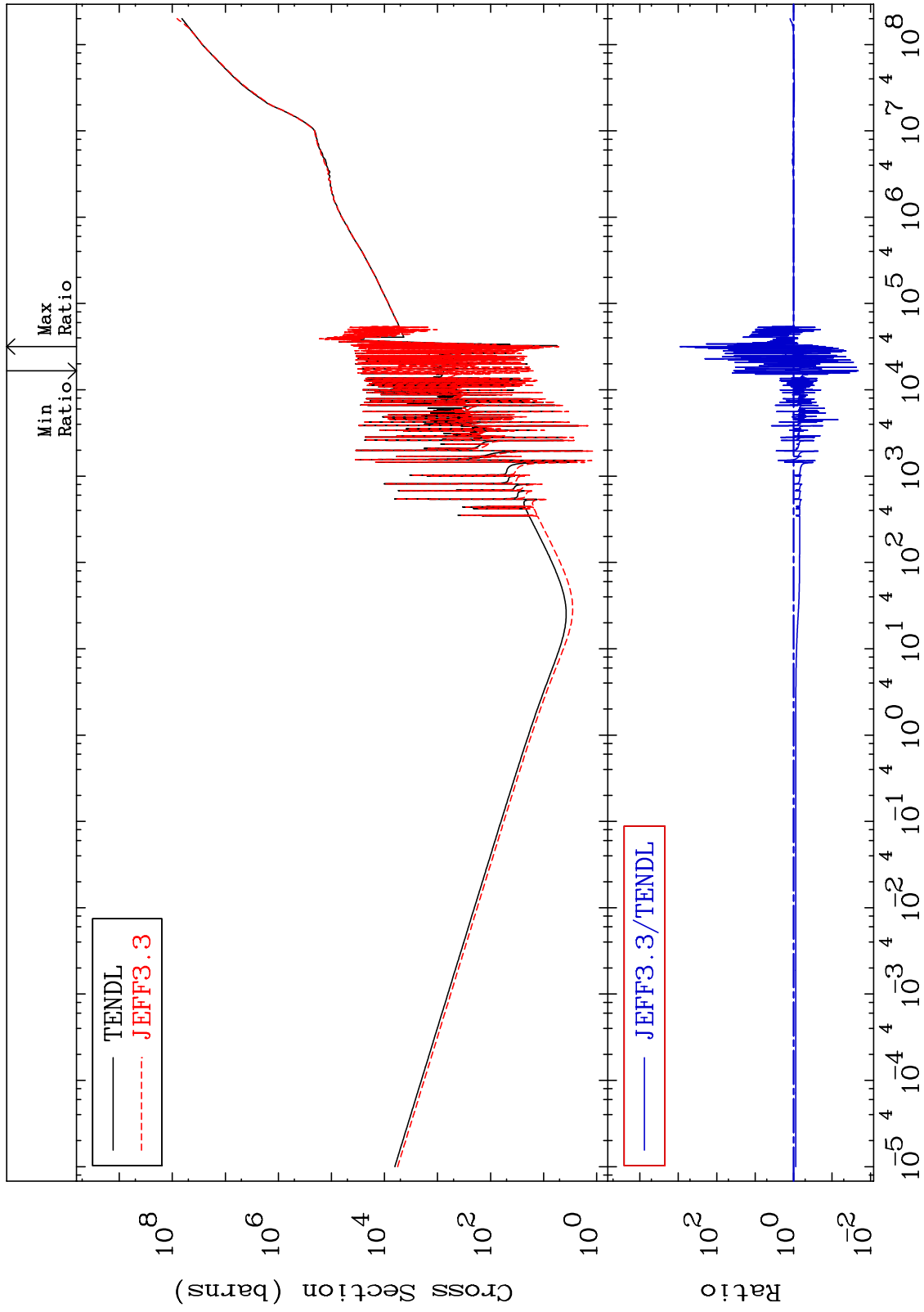
Incident Energy (eV)

52-Te-124

MAT 5237

Total kinematic kerma (high limit)  
Cross Section

52-Te-124  
-97.94 To 9999. %



73

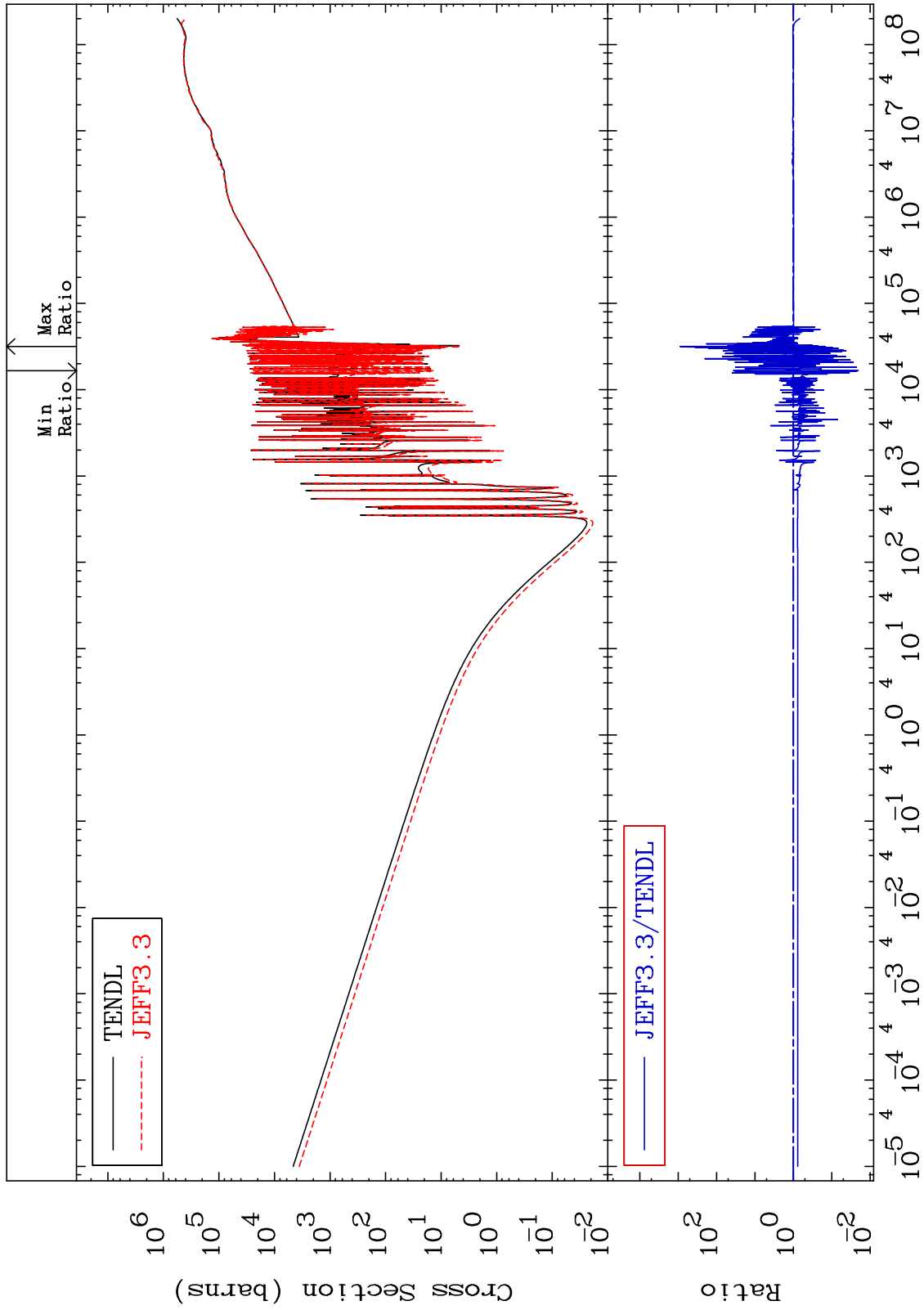
Incident Energy (eV)

52-Te-124

MAT 5237

Dpa total (eV-barns)  
Cross Section

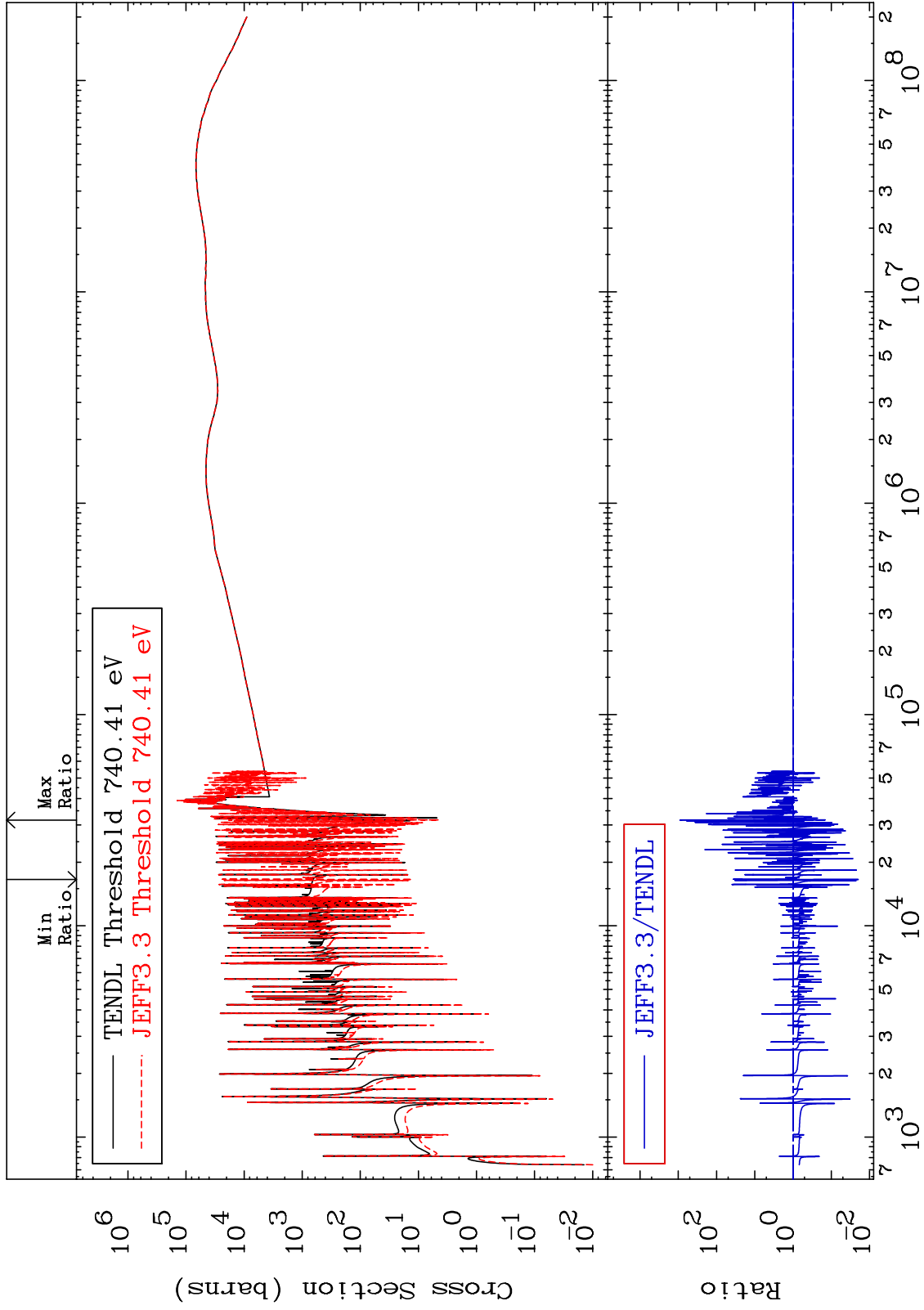
52-Te-124  
-97.97 To 9999. %



MAT 5237

Dpa elastic (mt2)  
Cross Section

52-Te-124  
-98.04 To 9999. %



75

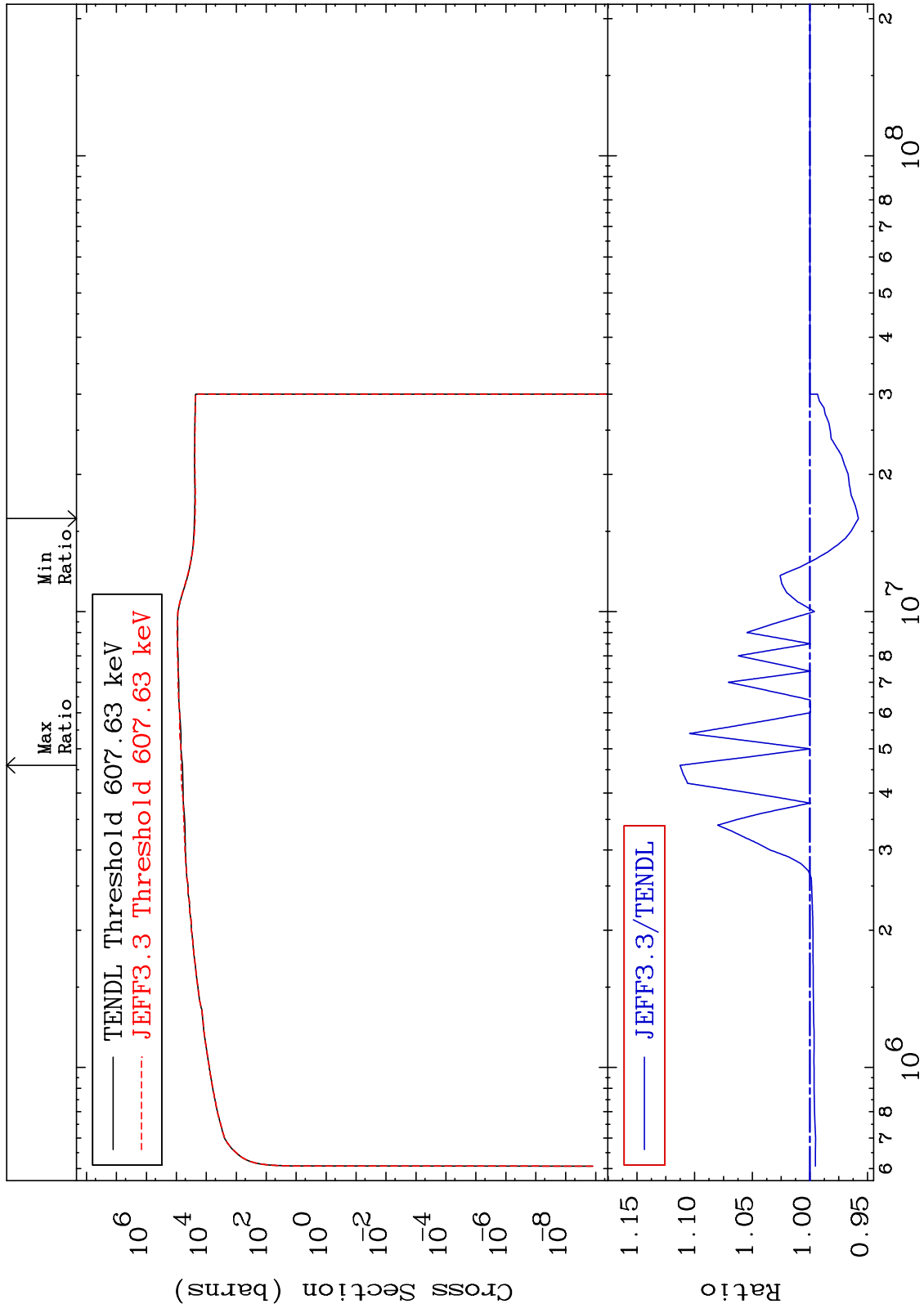
Incident Energy (eV)

52-Te-124

MAT 5237

Dpa inelastic (mt51-91)  
Cross Section

52-Te-124  
-4.207 To 11.27 %



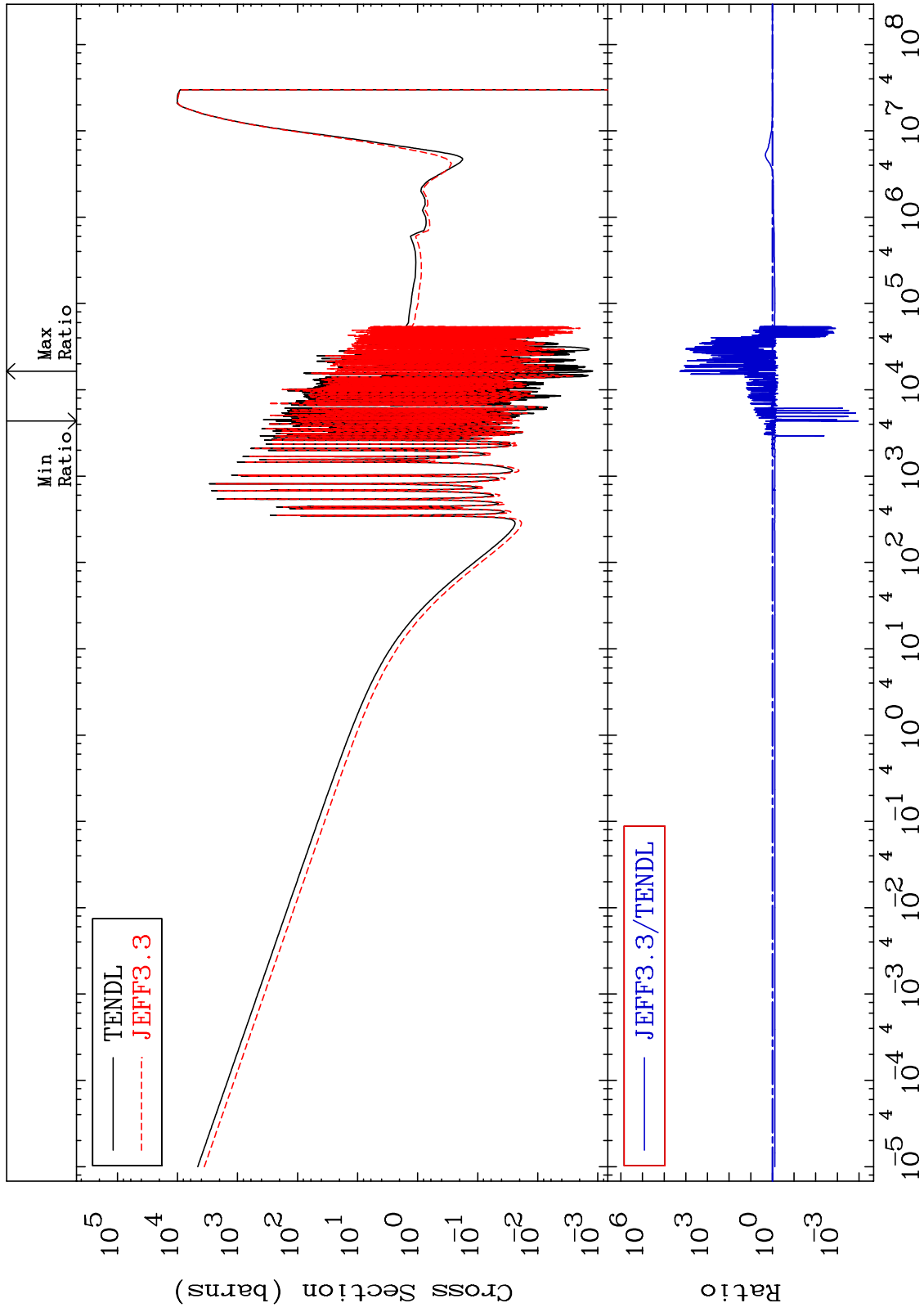
76

52-Te-124

MAT 5237

Dpa disappearance (mt102 -120)  
Cross Section

52-Te-124  
-99.99 To 9999. %



77

Incident Energy (eV)

52-Te-124

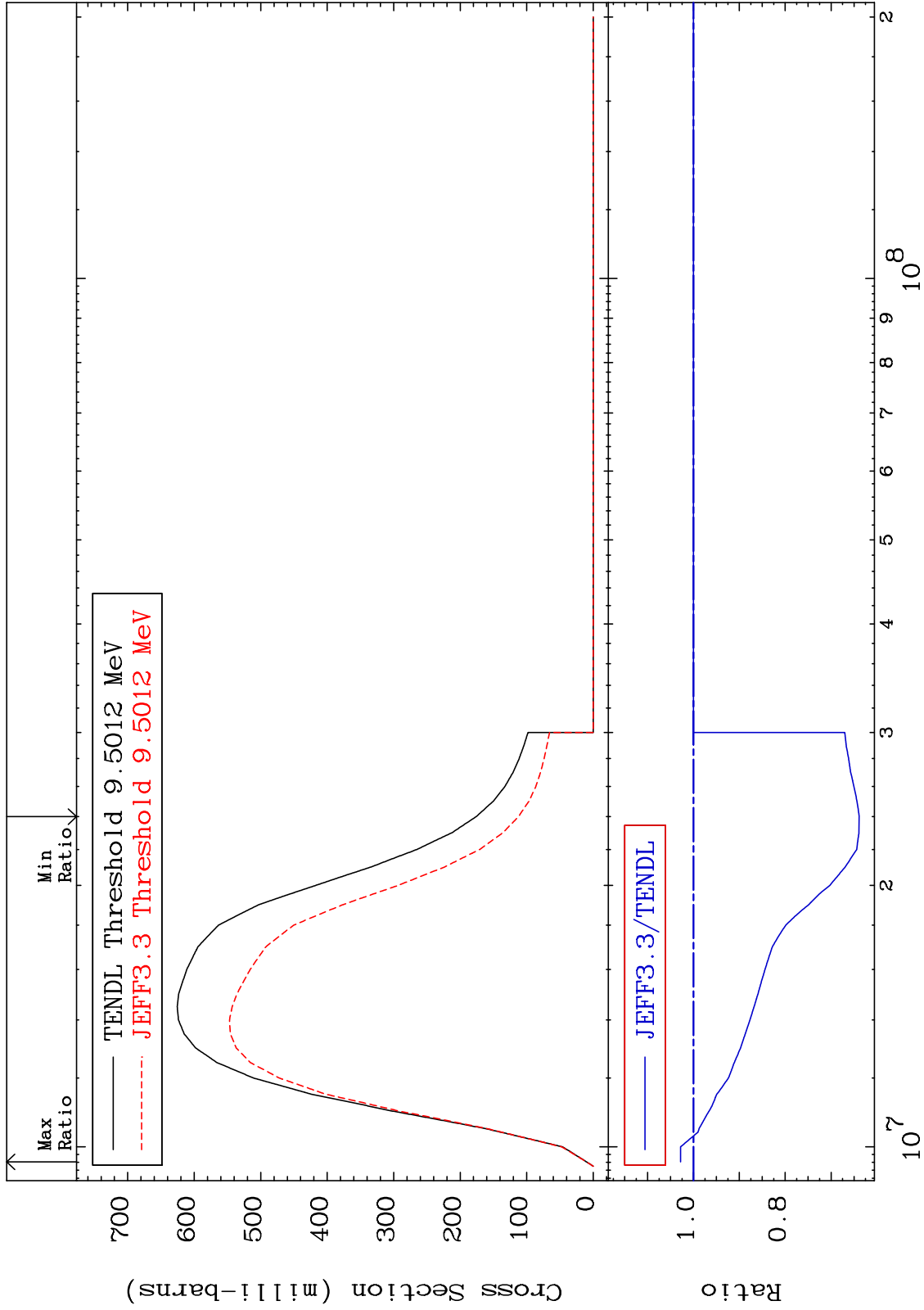
MAT 5237

(n,2n):52-Te-123g

52-Te-124

Radionuclide Production Cross Section

-36.13 To 2.814 %



Incident Energy (eV)

52-Te-124

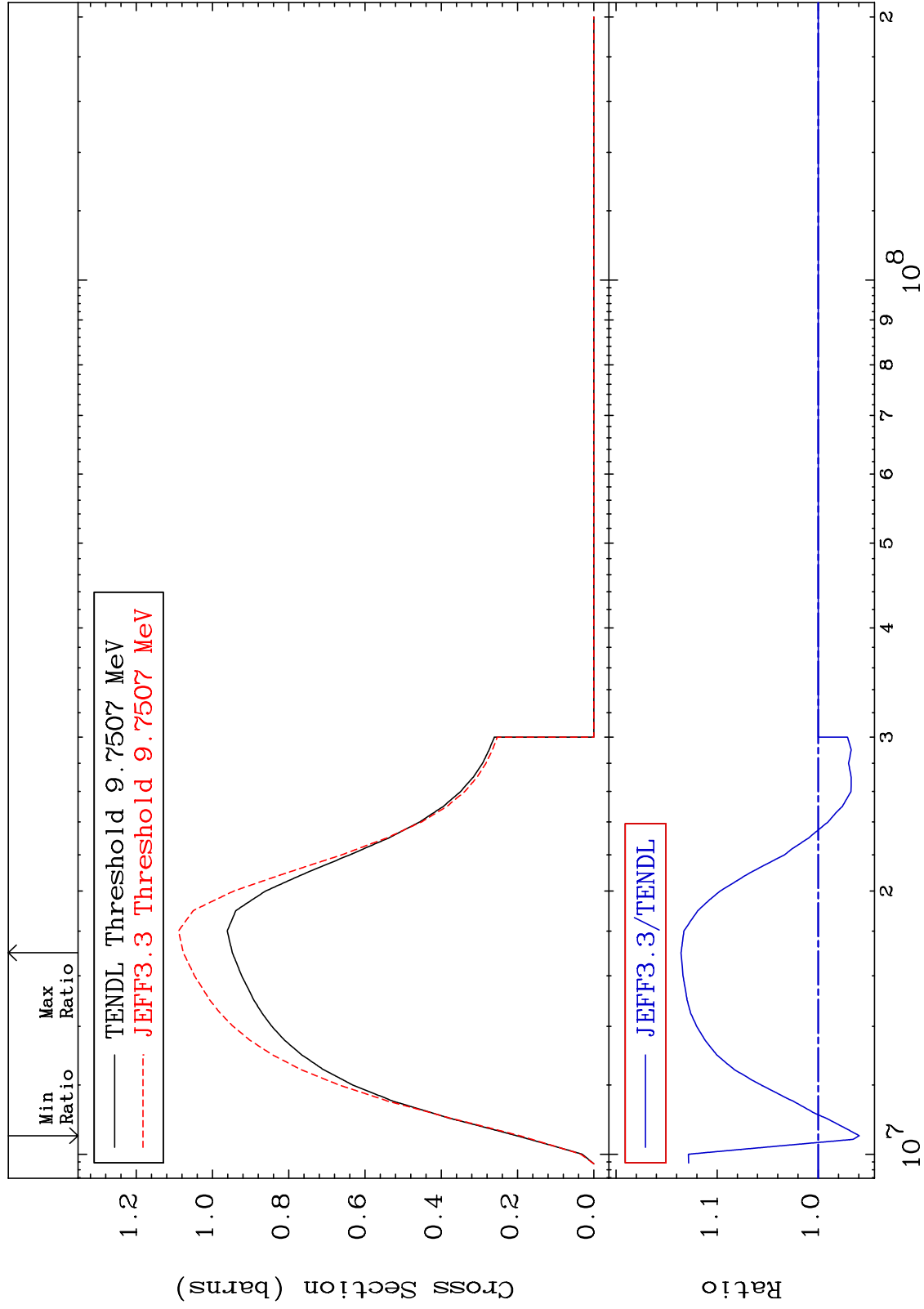
78

MAT 5237

(n,2n):52-Te-123m2

52-Te-124

Radionuclide Production Cross Section -4.058 To 13.57 %



79

52-Te-124

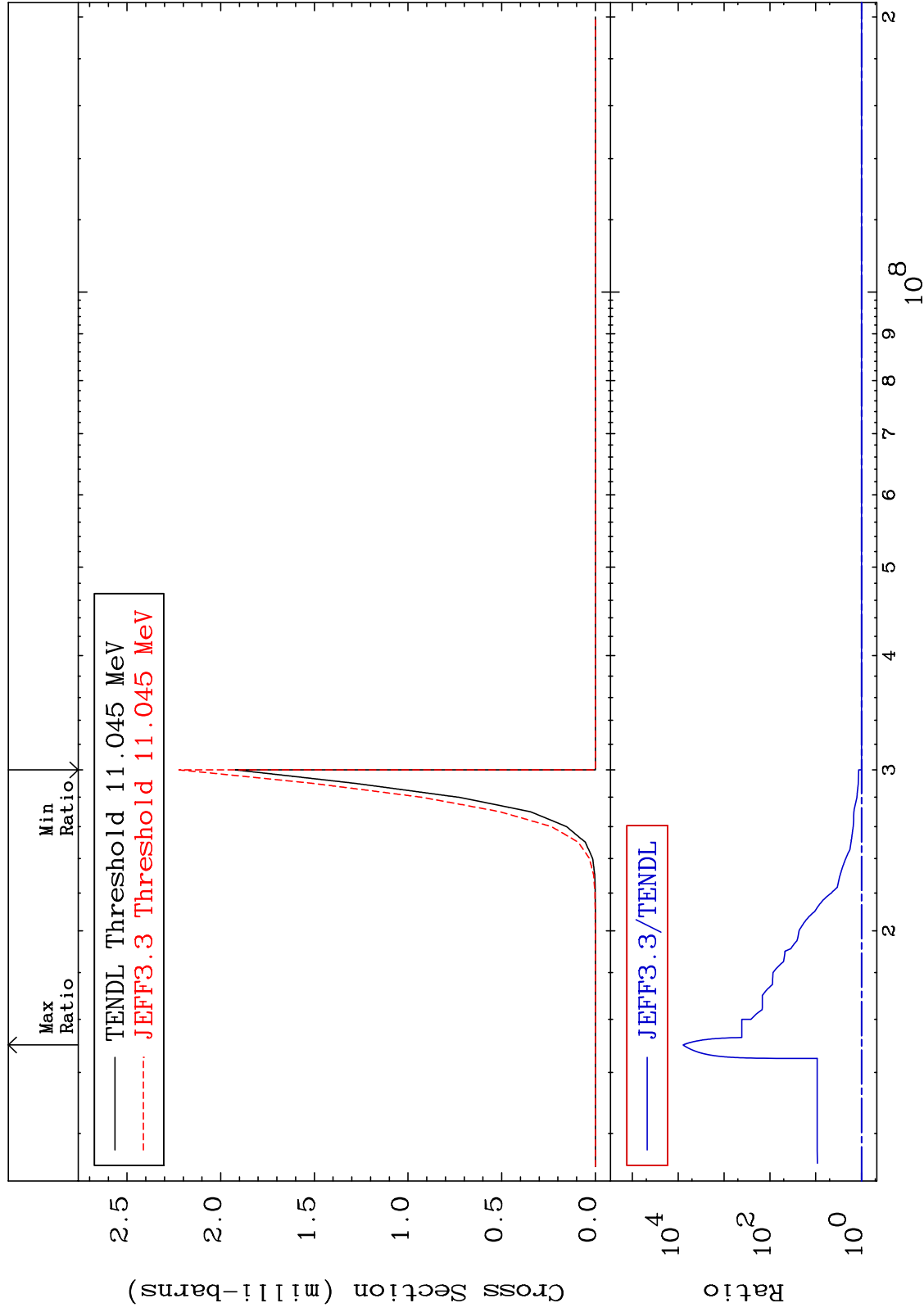


MAT 5237

(n,2n)  $\alpha$ :50-Sn-119g

52-Te-124

Radionuclide Production Cross Section 0.000 To 9999. %

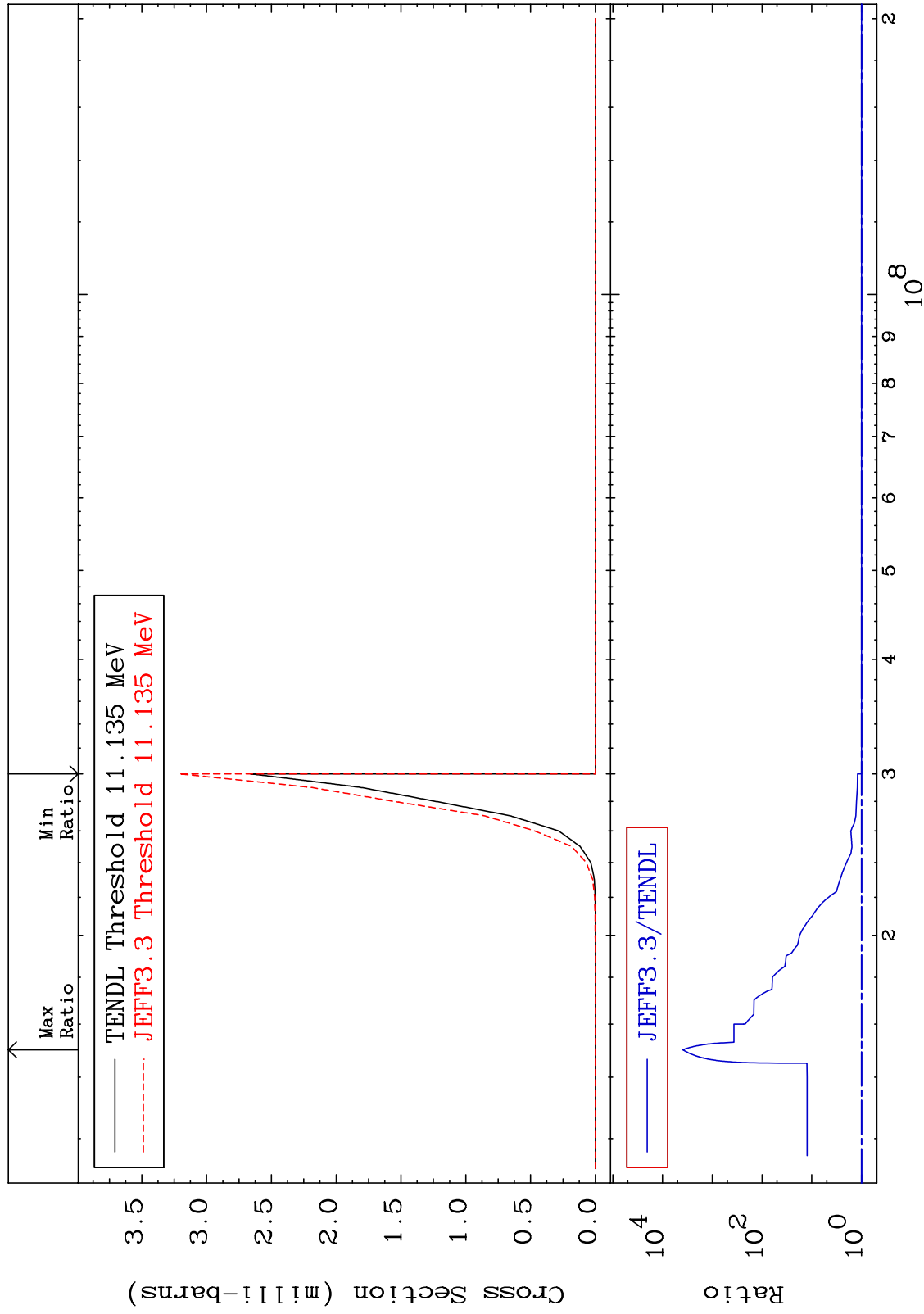


MAT 5237

(n,2n)  $\alpha$ :50-Sn-119m2

52-Te-124

Radionuclide Production Cross Section 0.000 To 9999. %

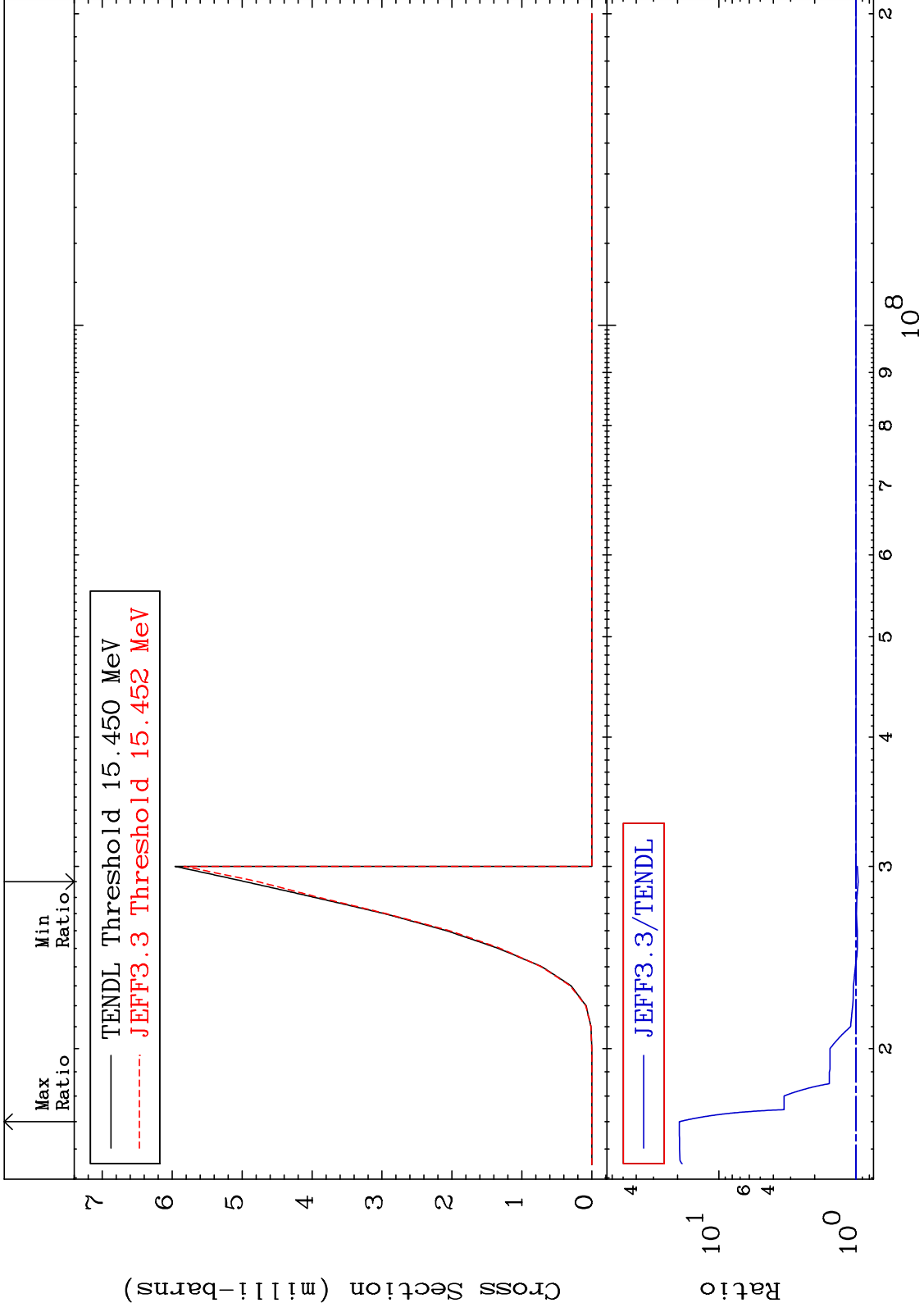


MAT 5237

(n, n') d:51-Sb-122g

52-Te-124

Radionuclide Production Cross Section -3.686 To 1840. %

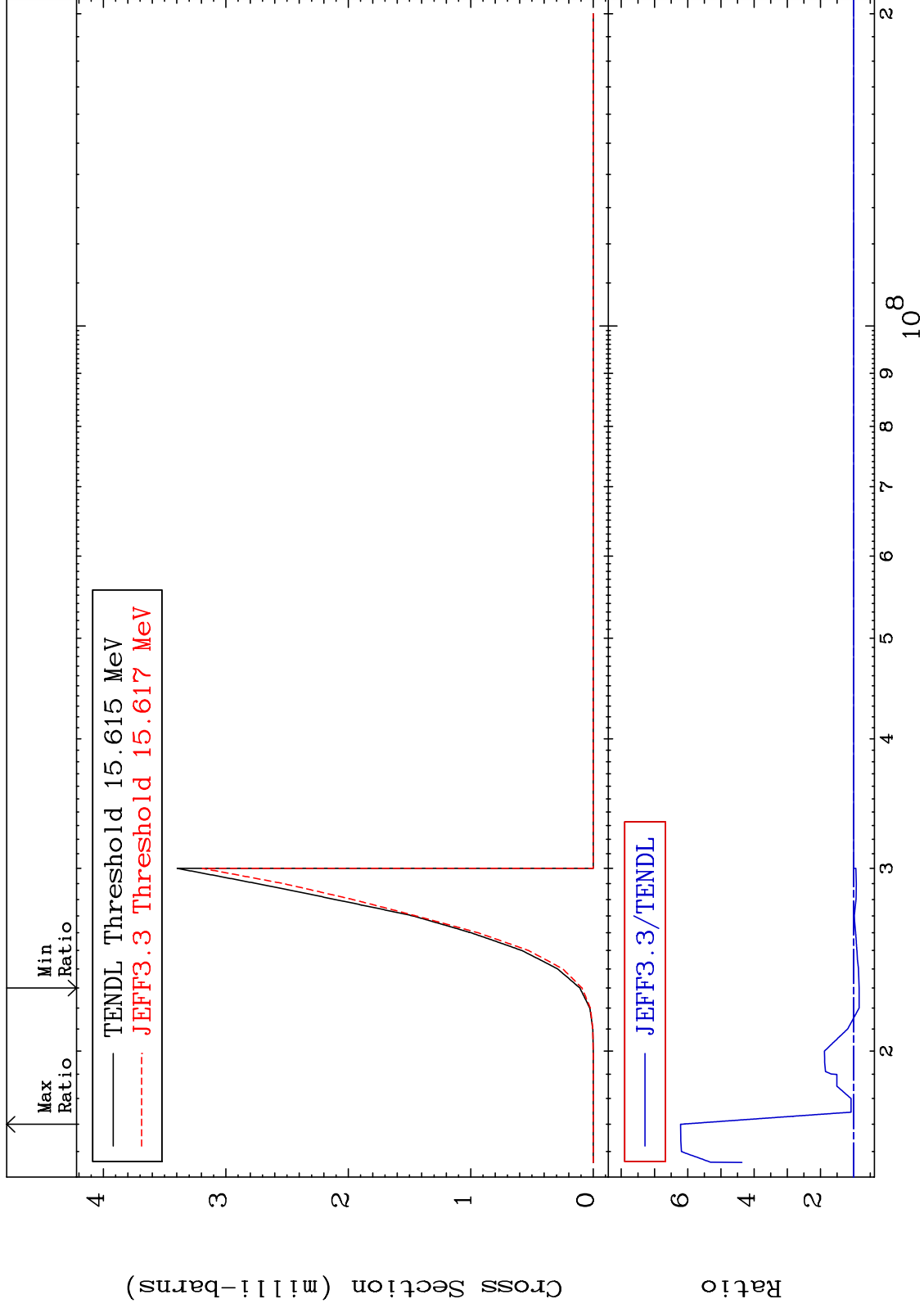


MAT 5237

(n, n') d:51-Sb-122m5

52-Te-124

Radionuclide Production Cross Section -16.31 To 521.3 %

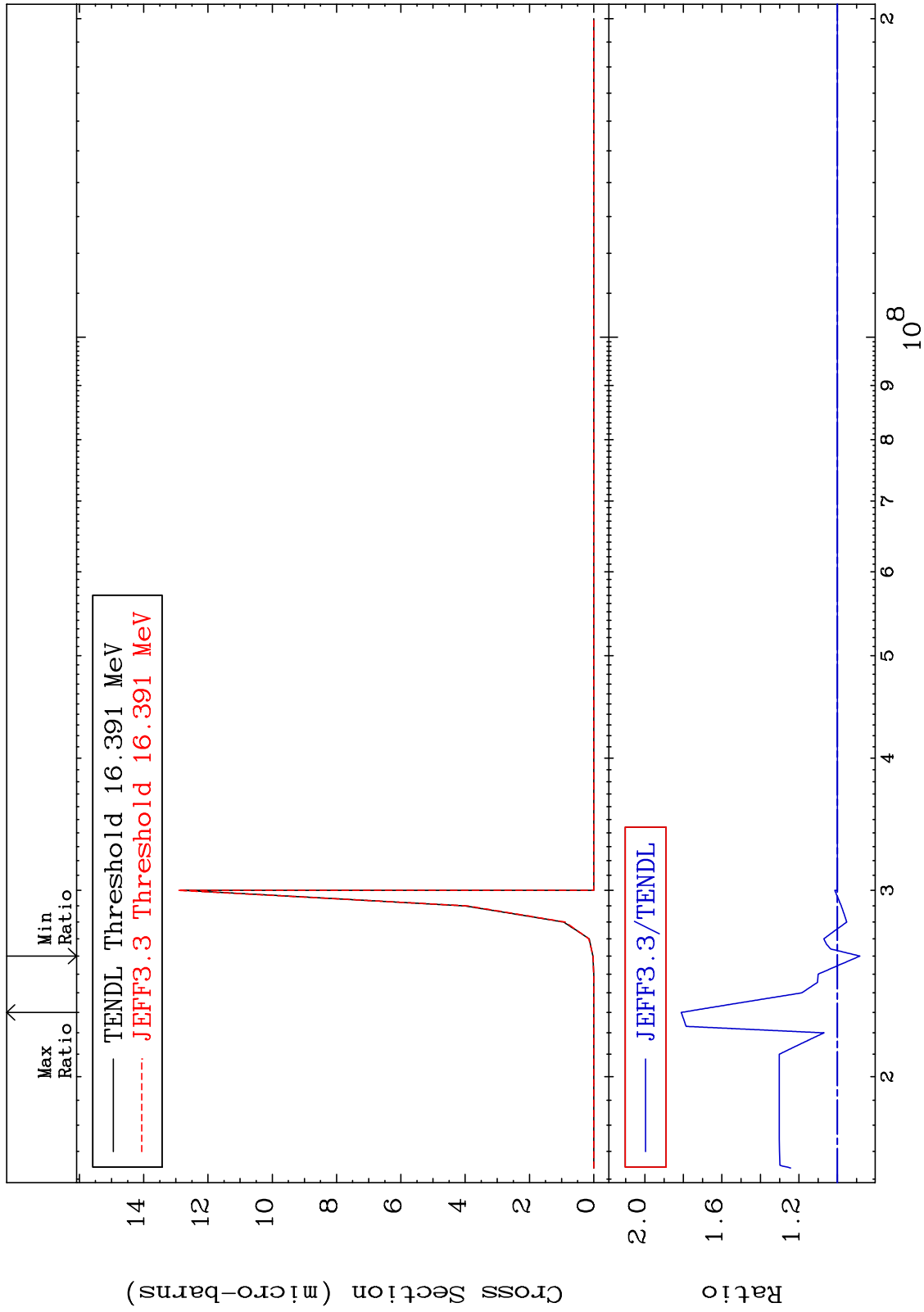


MAT 5237

(n, n') He-3:50-Sn-121g

52-Te-124

Radionuclide Production Cross Section -11.75 To 81.13 %

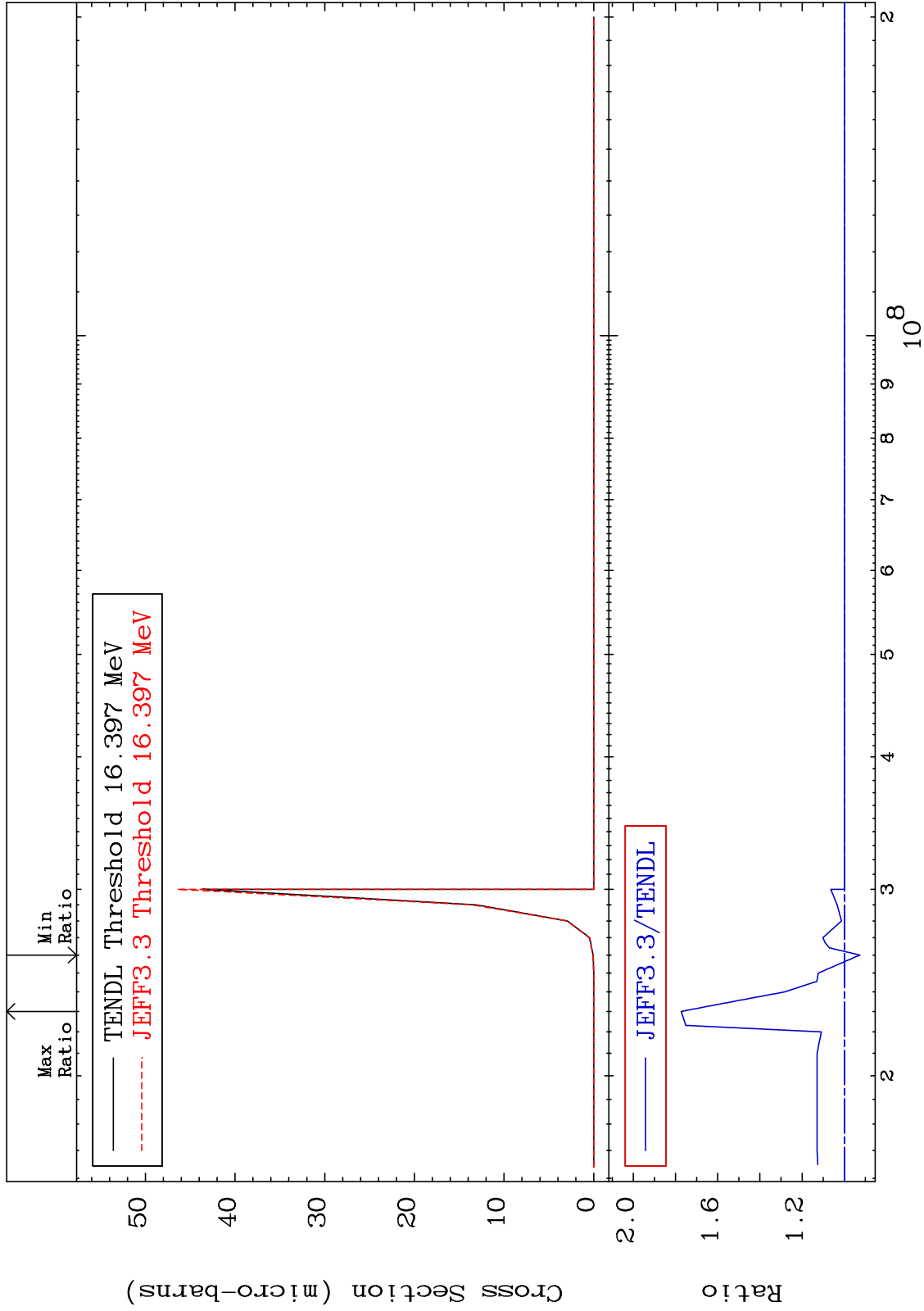


MAT 5237

(n, n') He-3:50-Sn-121m1

52-Te-124

Radionuclide Production Cross Section -7.415 To 77.30 %

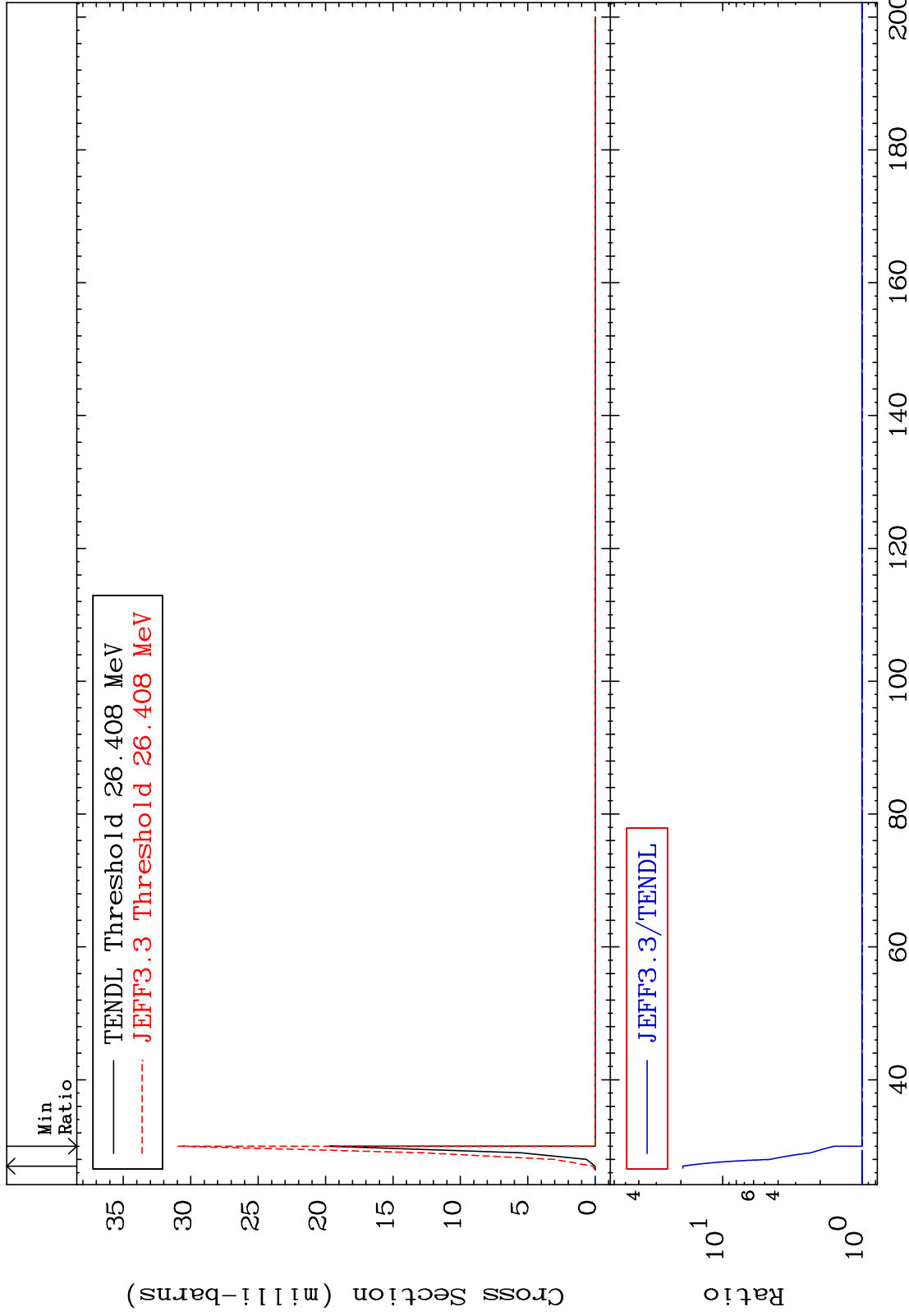


MAT 5237

(n,4n):52-Te-124

52-Te-124

Radionuclide Production Cross Section 0.000 To 1832. %

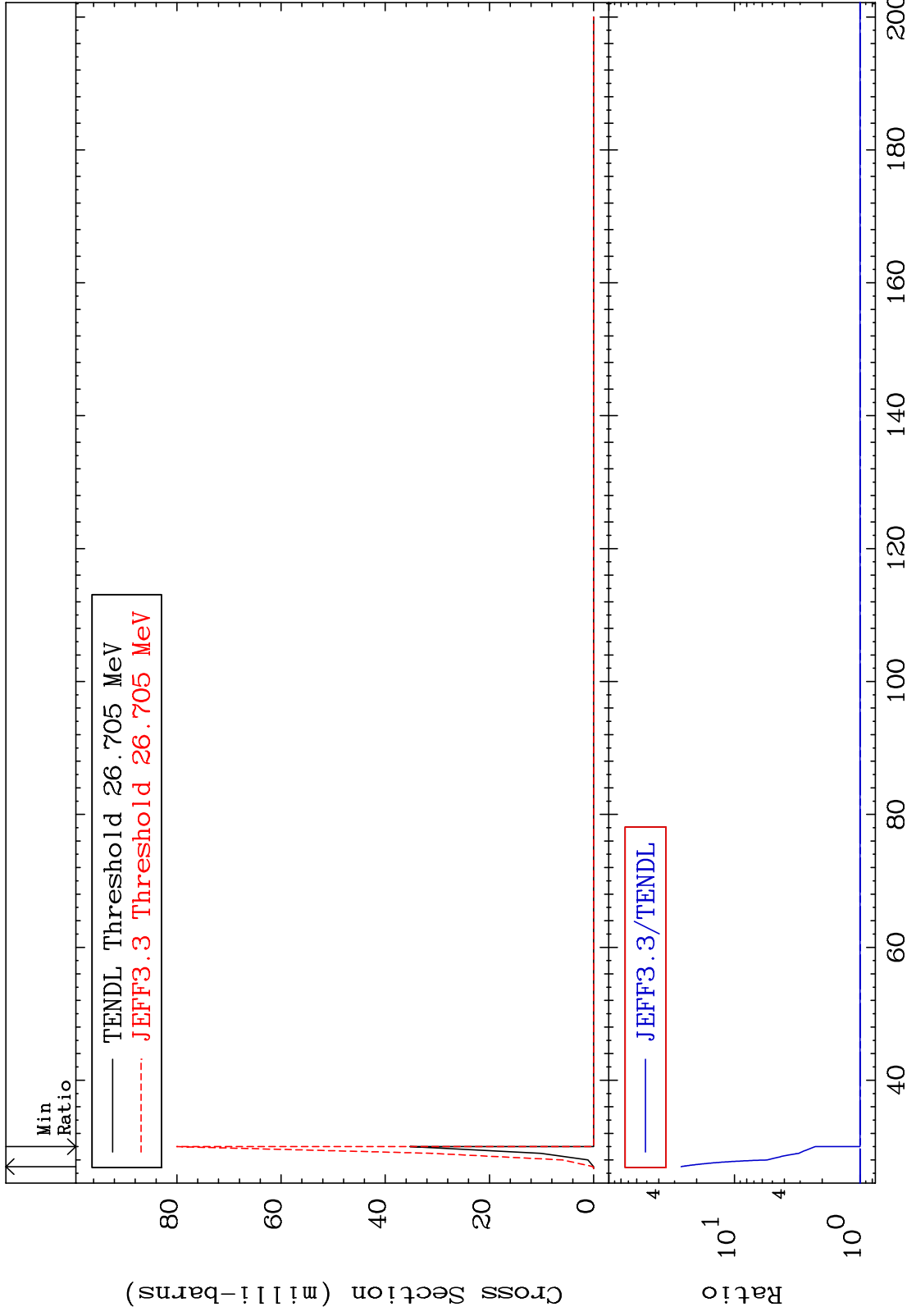


MAT 5237

(n, 4n):52-Te-121m2

52-Te-124

Radionuclide Production Cross Section 0.000 To 2556. %

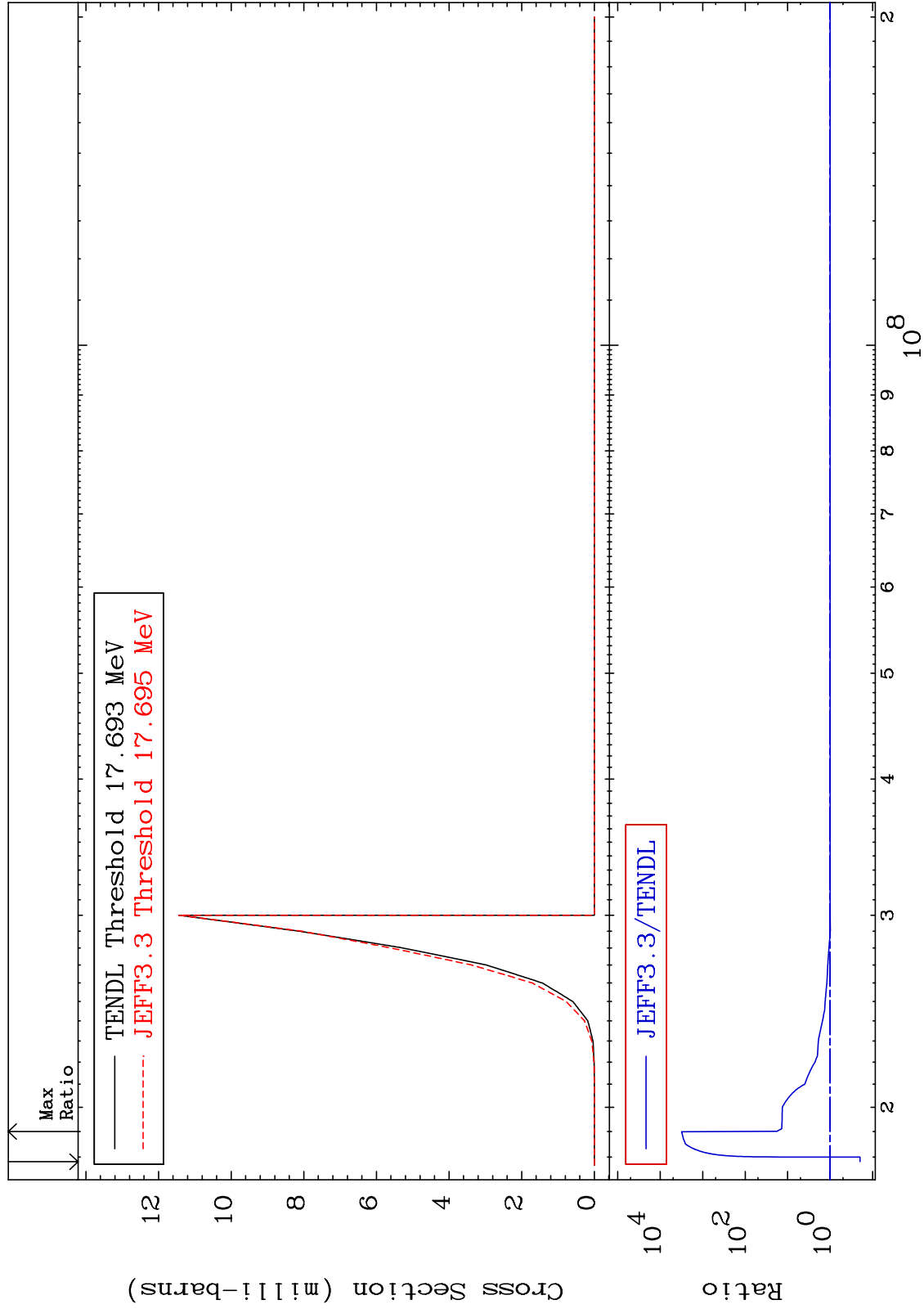


87

Incident Energy (MeV)

52-Te-124



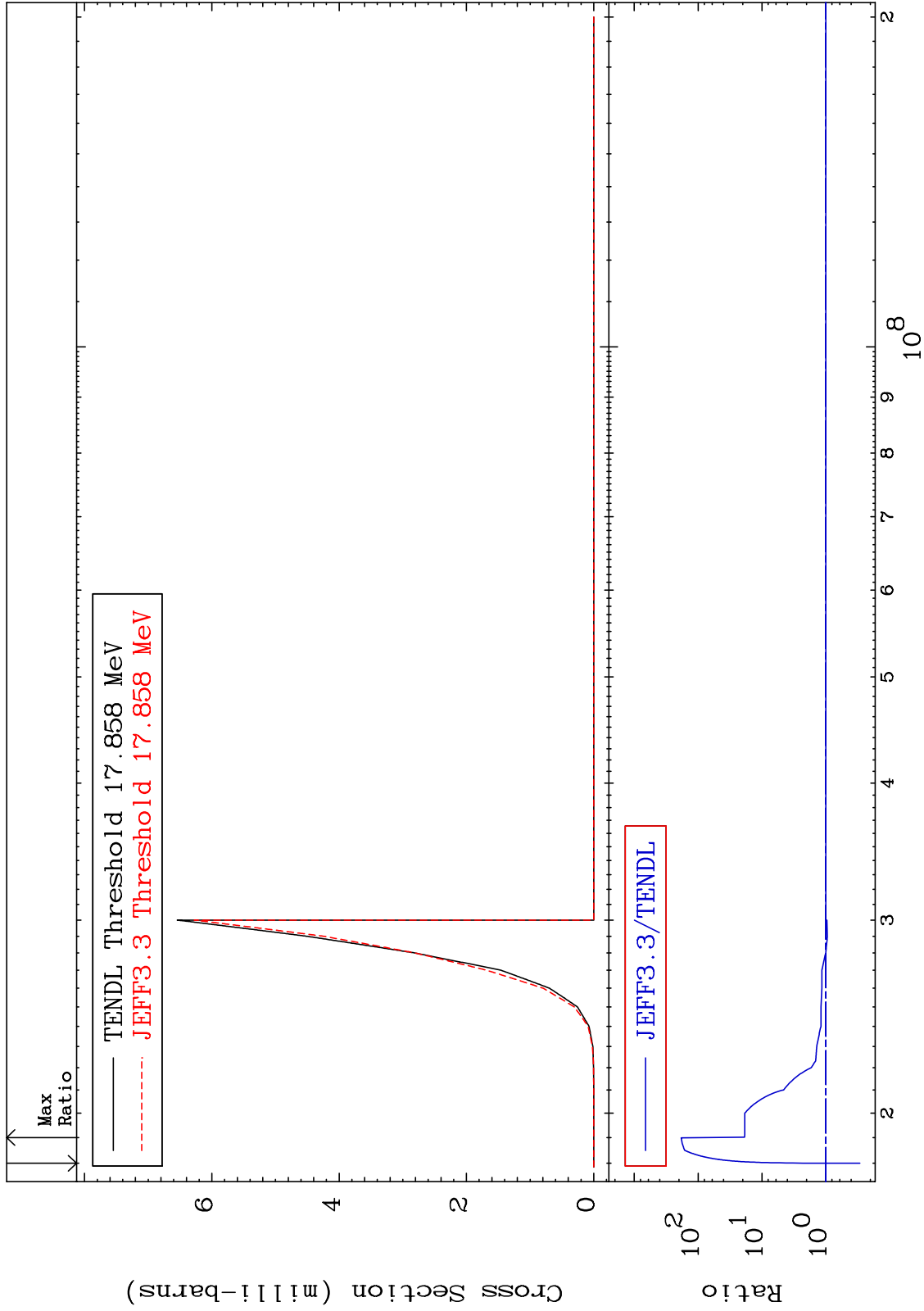


MAT 5237

(n,2n) p:51-Sb-122m5

52-Te-124

Radionuclide Production Cross Section -70.89 To 9999. %

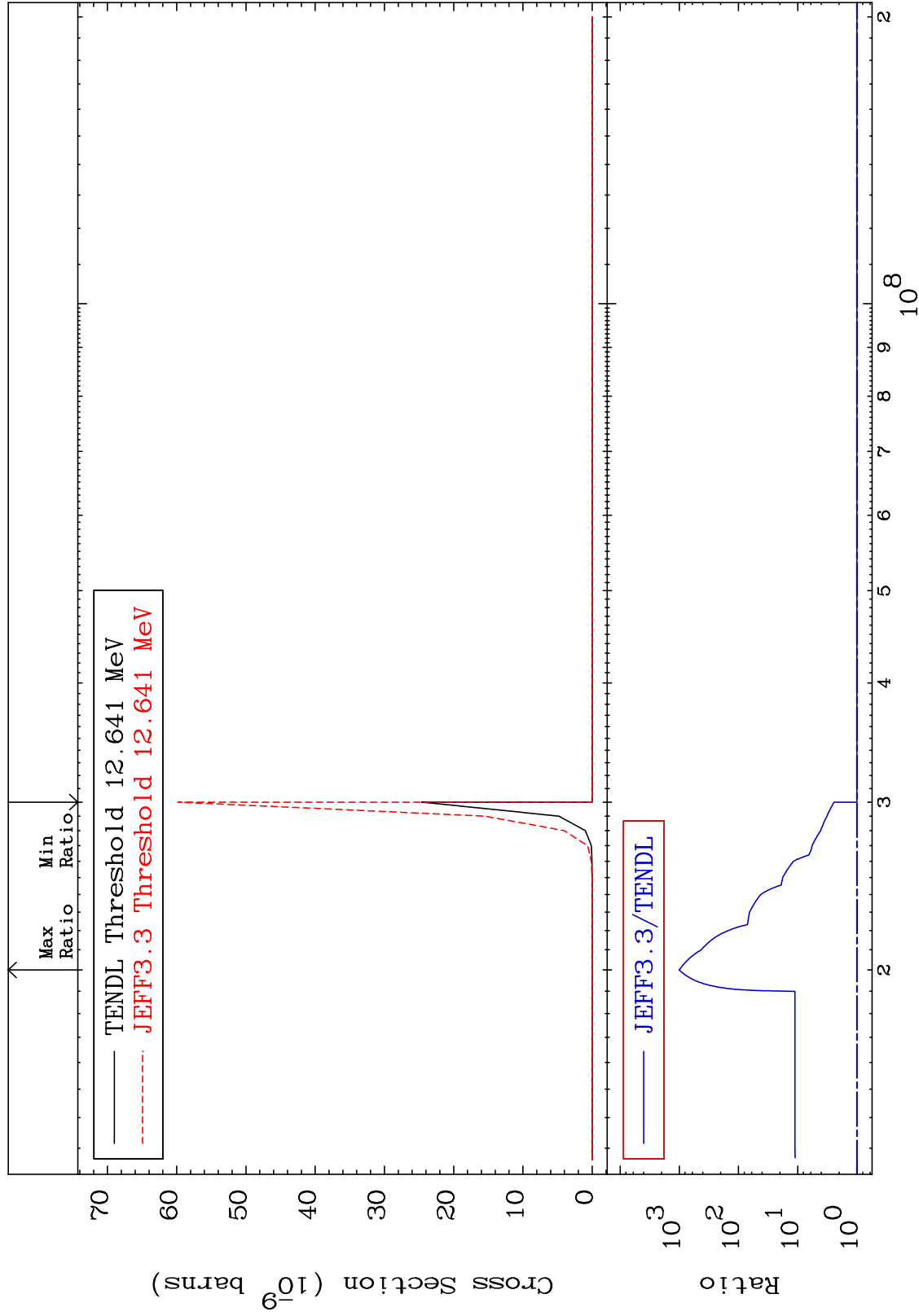


MAT 5237

(n, n') p  $\alpha$ : 49-In-119g

52-Te-124

Radionuclide Production Cross Section 0.000 To 9999. %

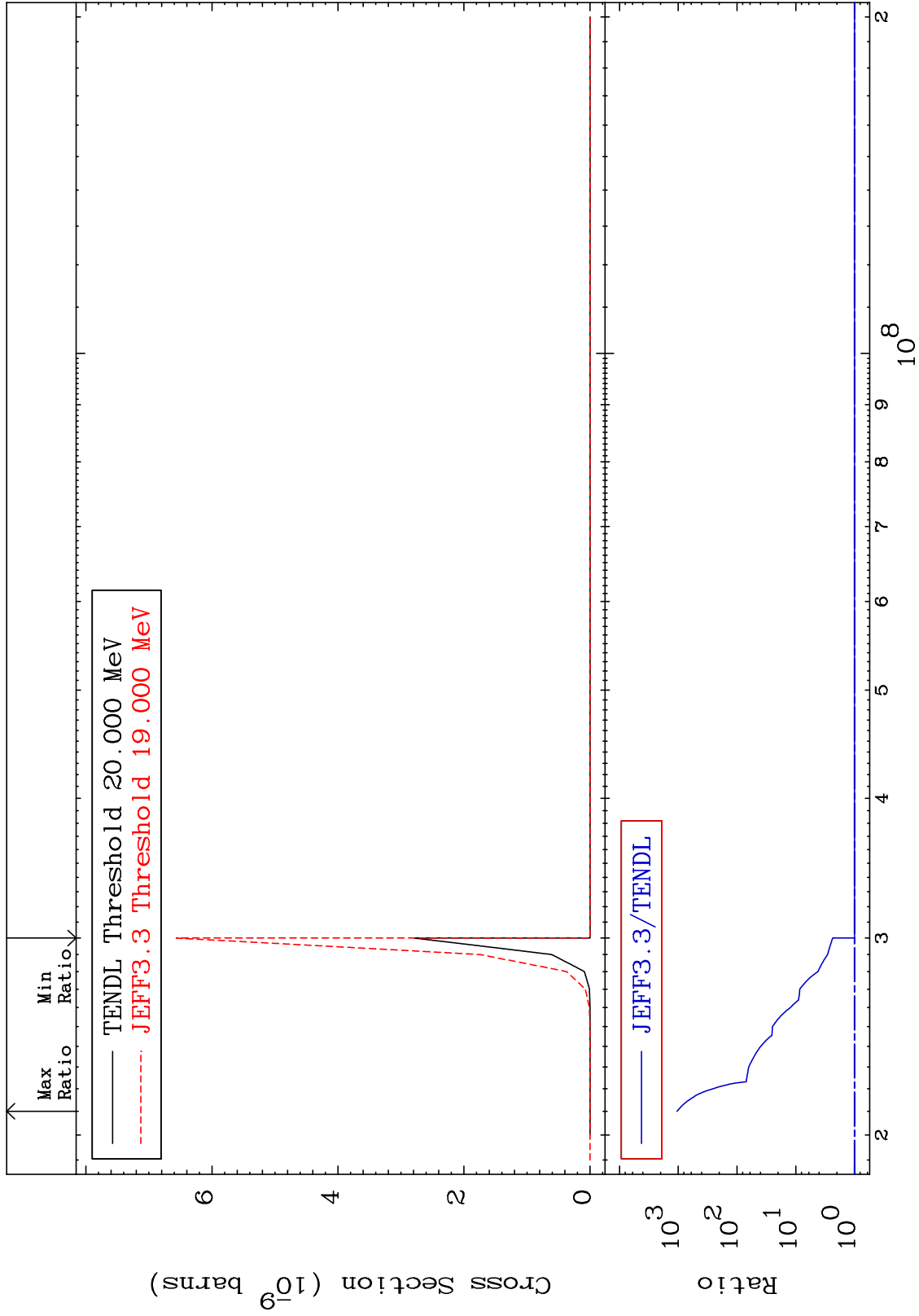


MAT 5237

(n, n') p  $\alpha$ : 49-In-119m1

52-Te-124

Radionuclide Production Cross Section 0.000 To 9999. %



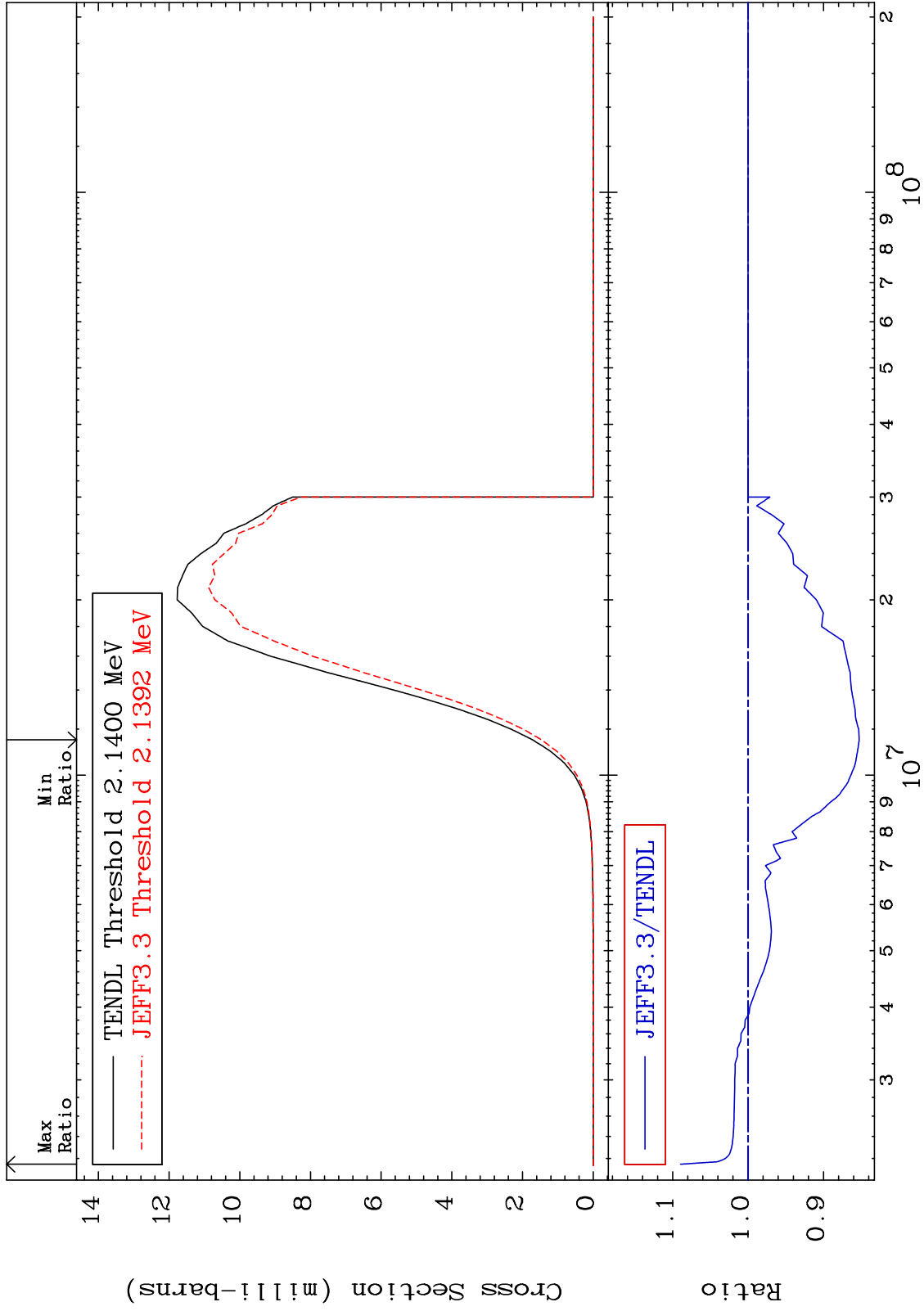
MAT 5237

(n,p):51-Sb-124g

52-Te-124

Radionuclide Production Cross Section

-14.73 To 8.945 %



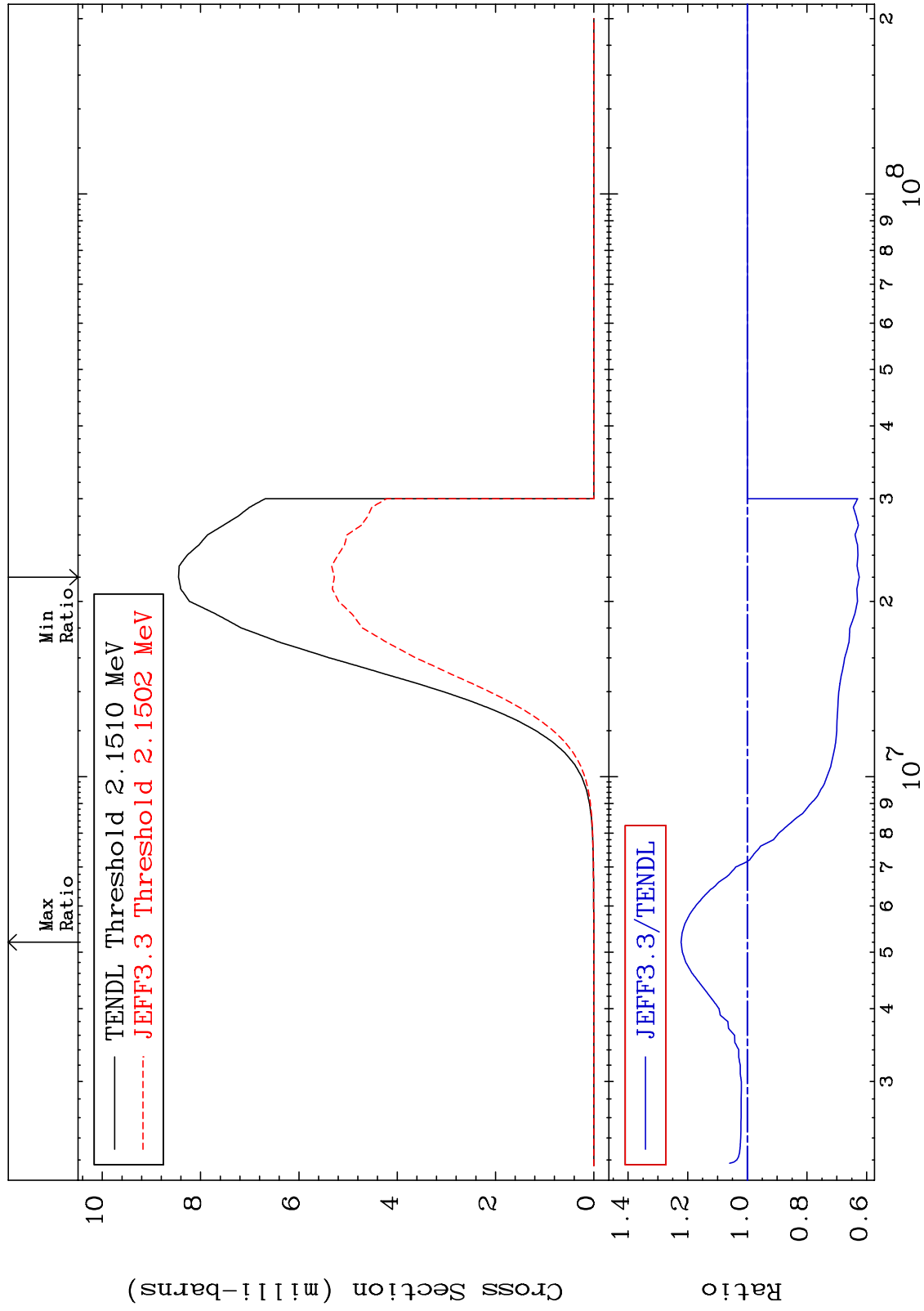
MAT 5237

(n, p) : 51-Sb-124m1

52-Te-124

Radionuclide Production Cross Section

-37.52 To 22.23 %

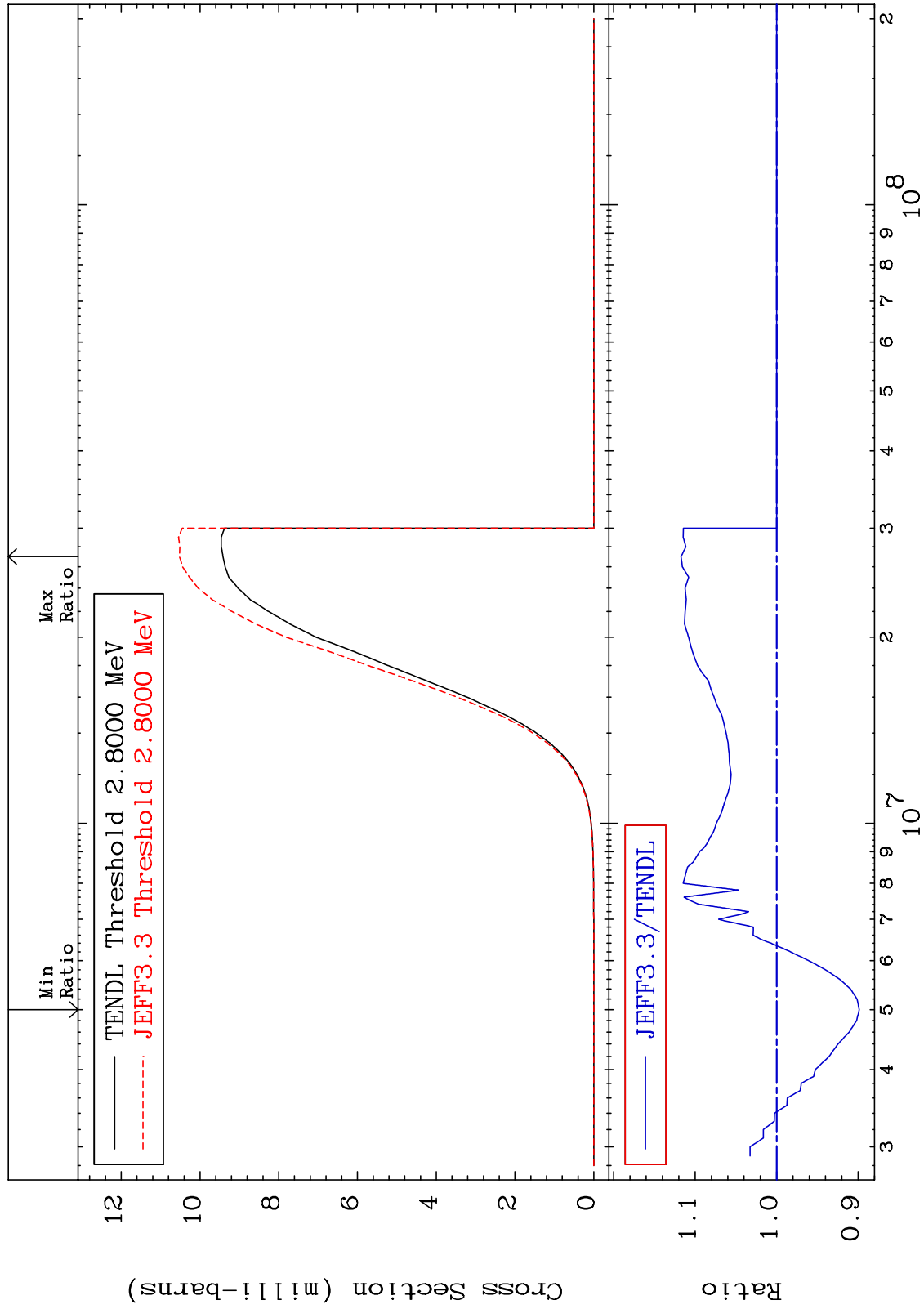


MAT 5237

(n, p) : 51-Sb-124m2

52-Te-124

Radionuclide Production Cross Section -10.14 To 11.73 %



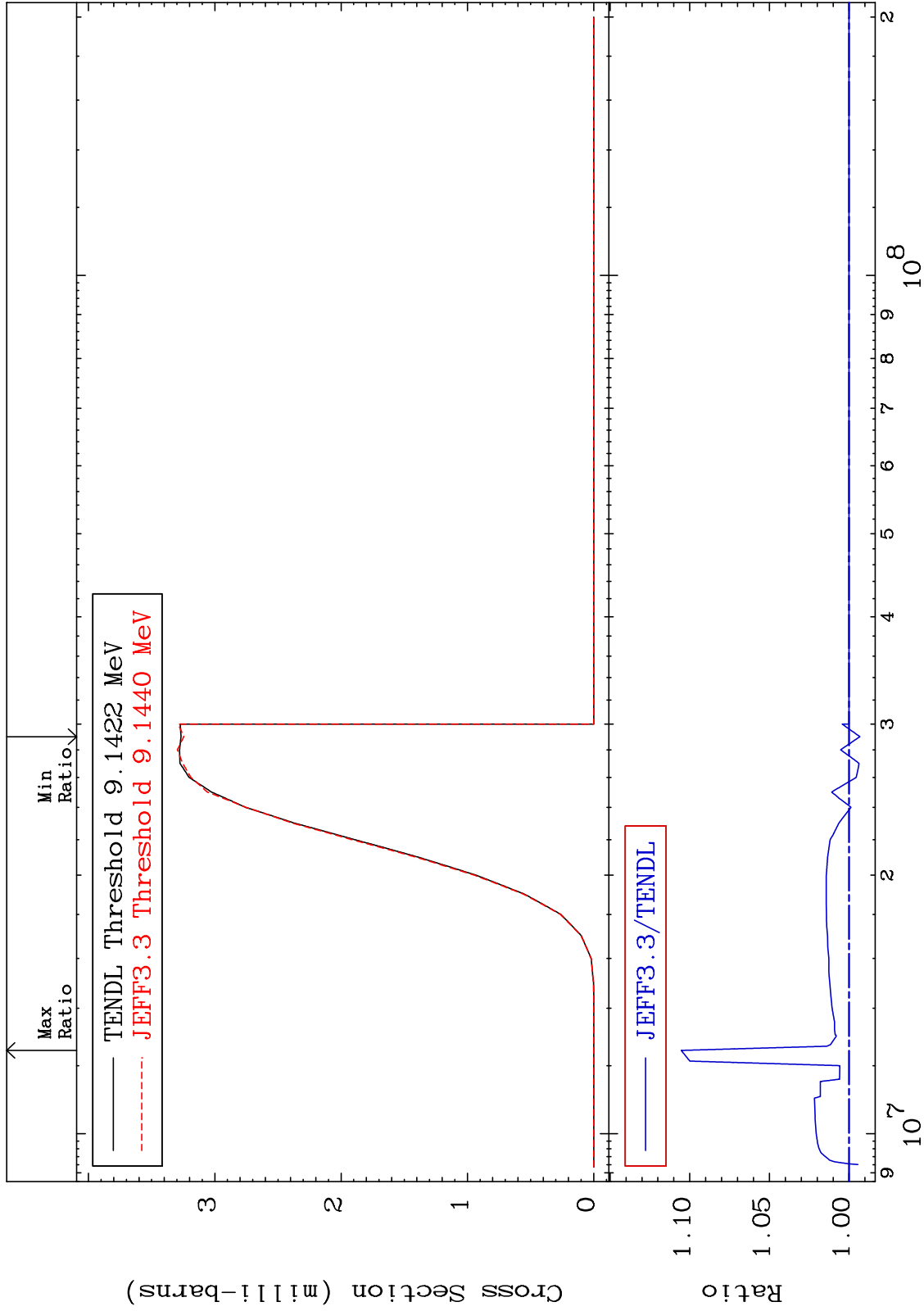
MAT 5237

(n, t):51-Sb-122g

52-Te-124

Radionuclide Production Cross Section

-0.682 To 10.54 %



95

Incident Energy (eV)

52-Te-124

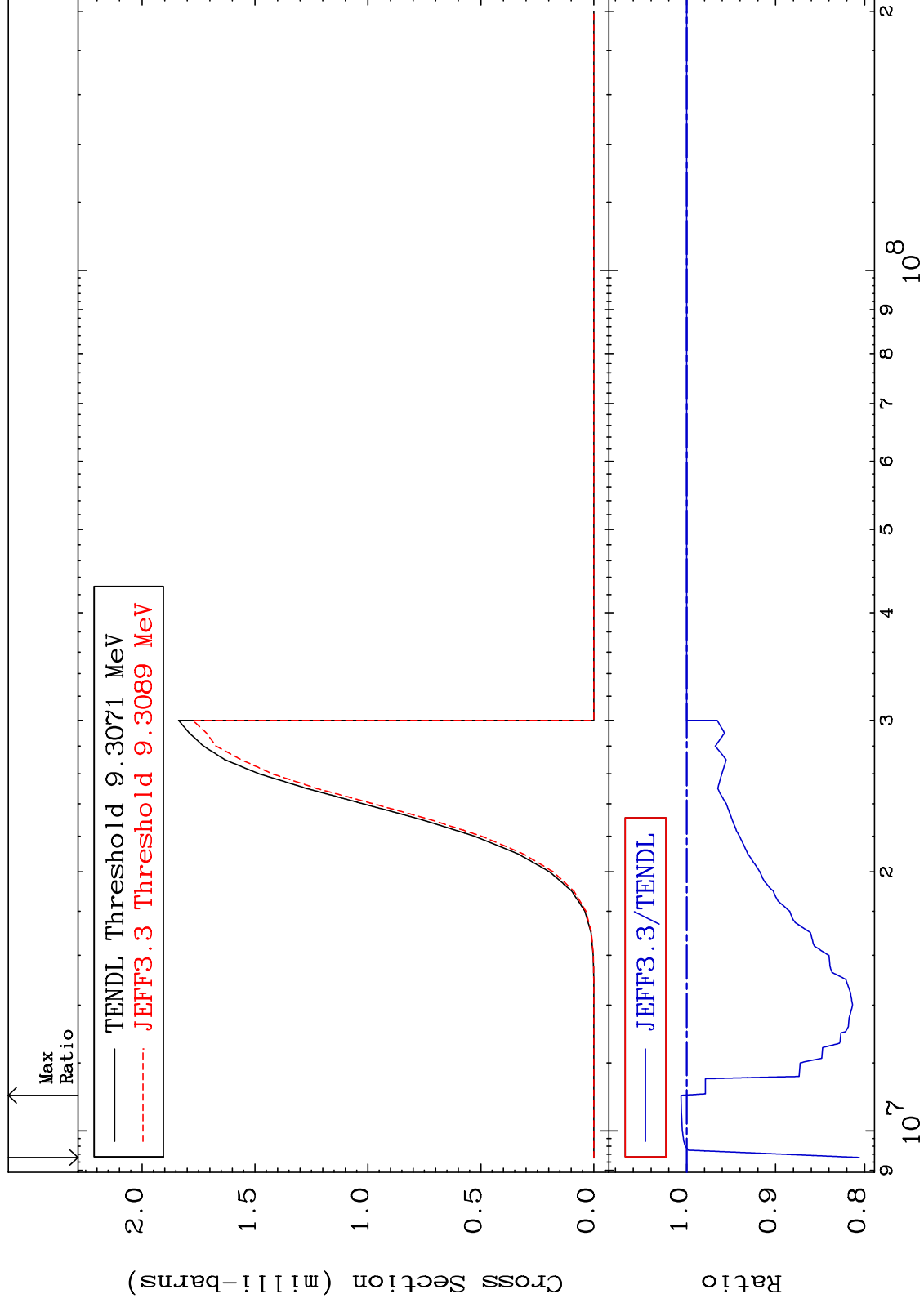


MAT 5237

(n, t):51-Sb-122m5

52-Te-124

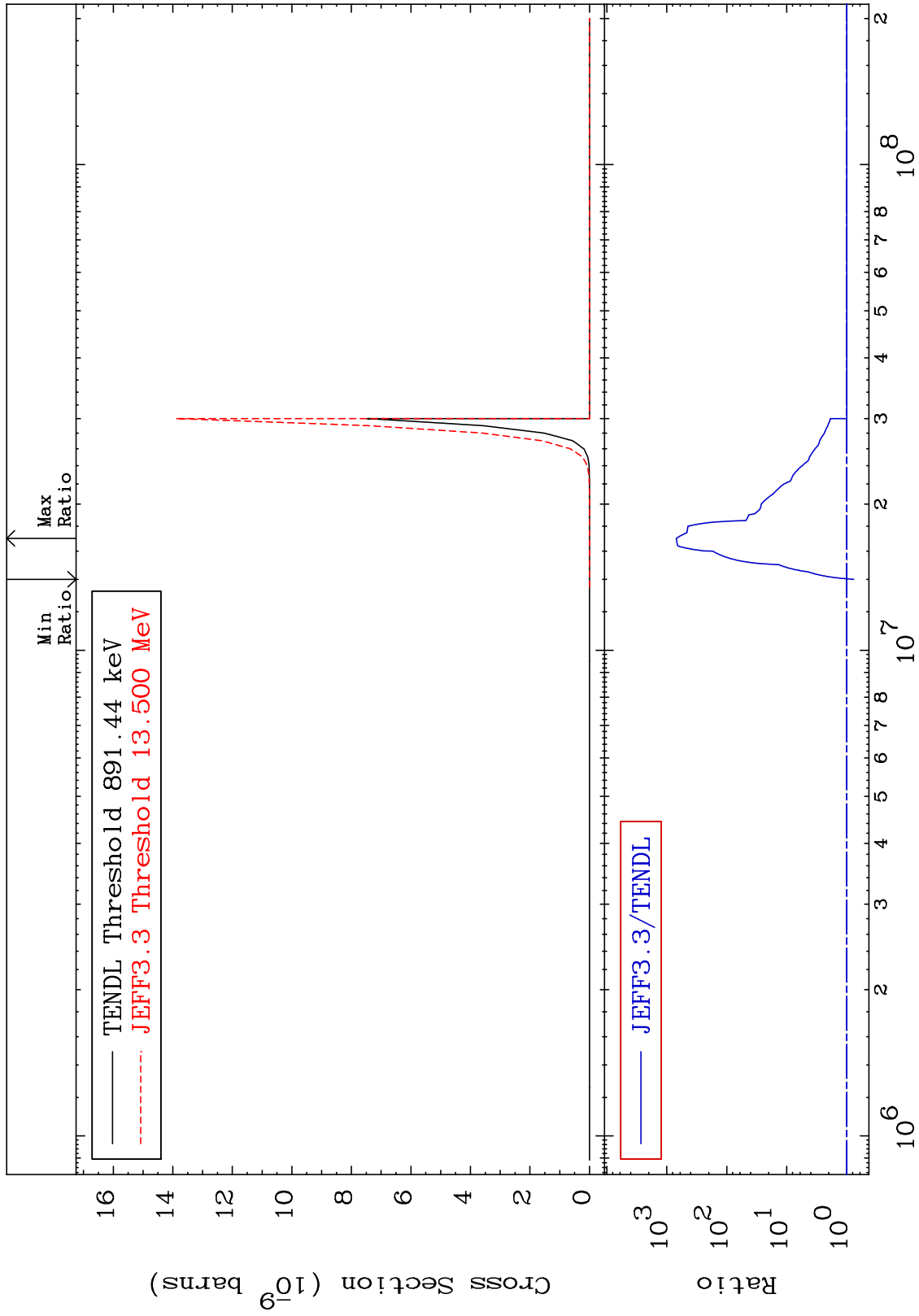
Radionuclide Production Cross Section -19.40 To 0.633 %



52-Te-124

MAT 5237

(n,2α) : 48-Cd-117g 52-Te-124  
Radionuclide Production Cross Section -23.51 To 9999. %



97

Incident Energy (eV)

52-Te-124

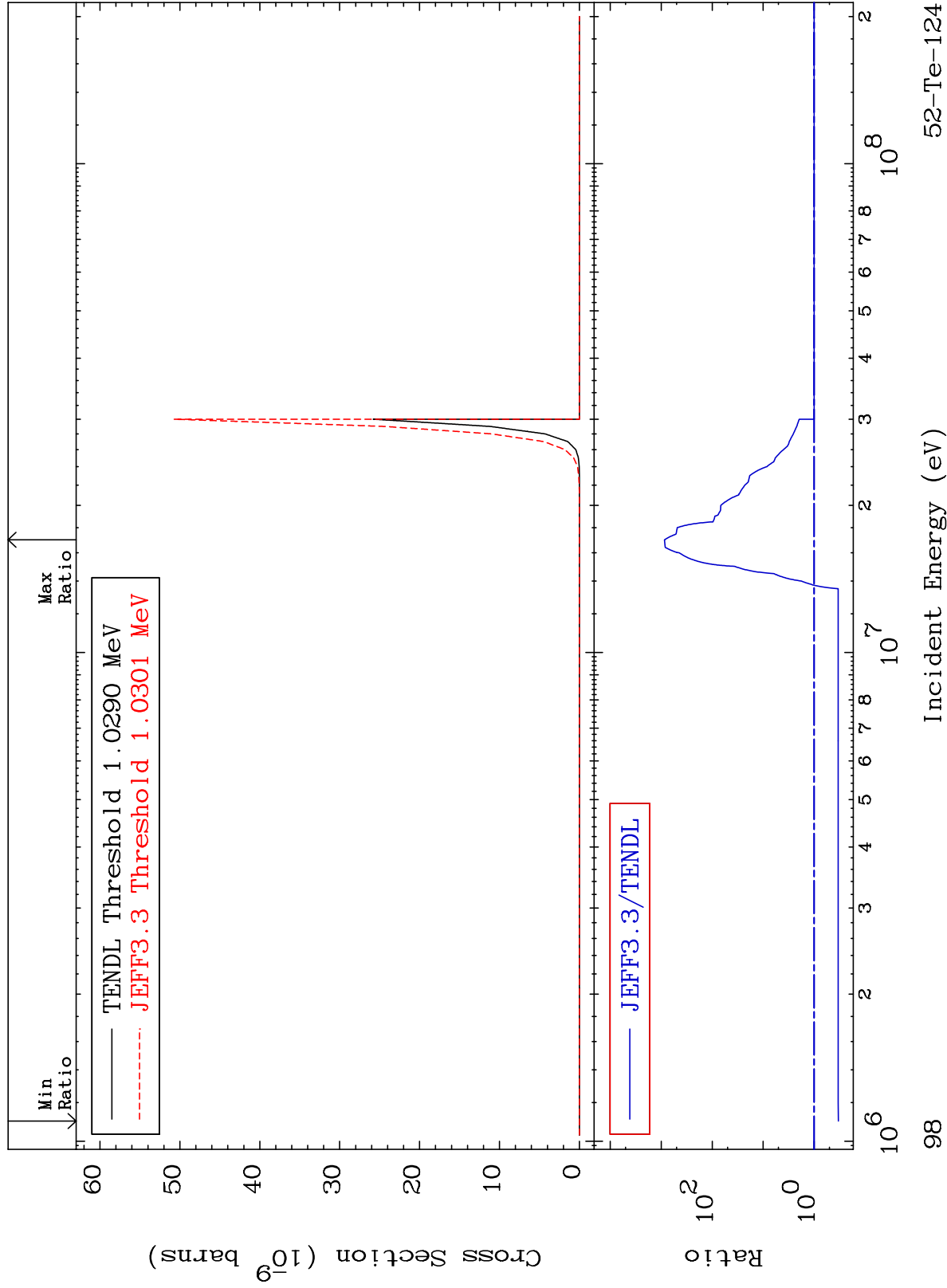
MAT 5237

(n, 2α) : 48-Cd-117m2

52-Te-124

Radionuclide Production Cross Section

-66.66 To 9999. %



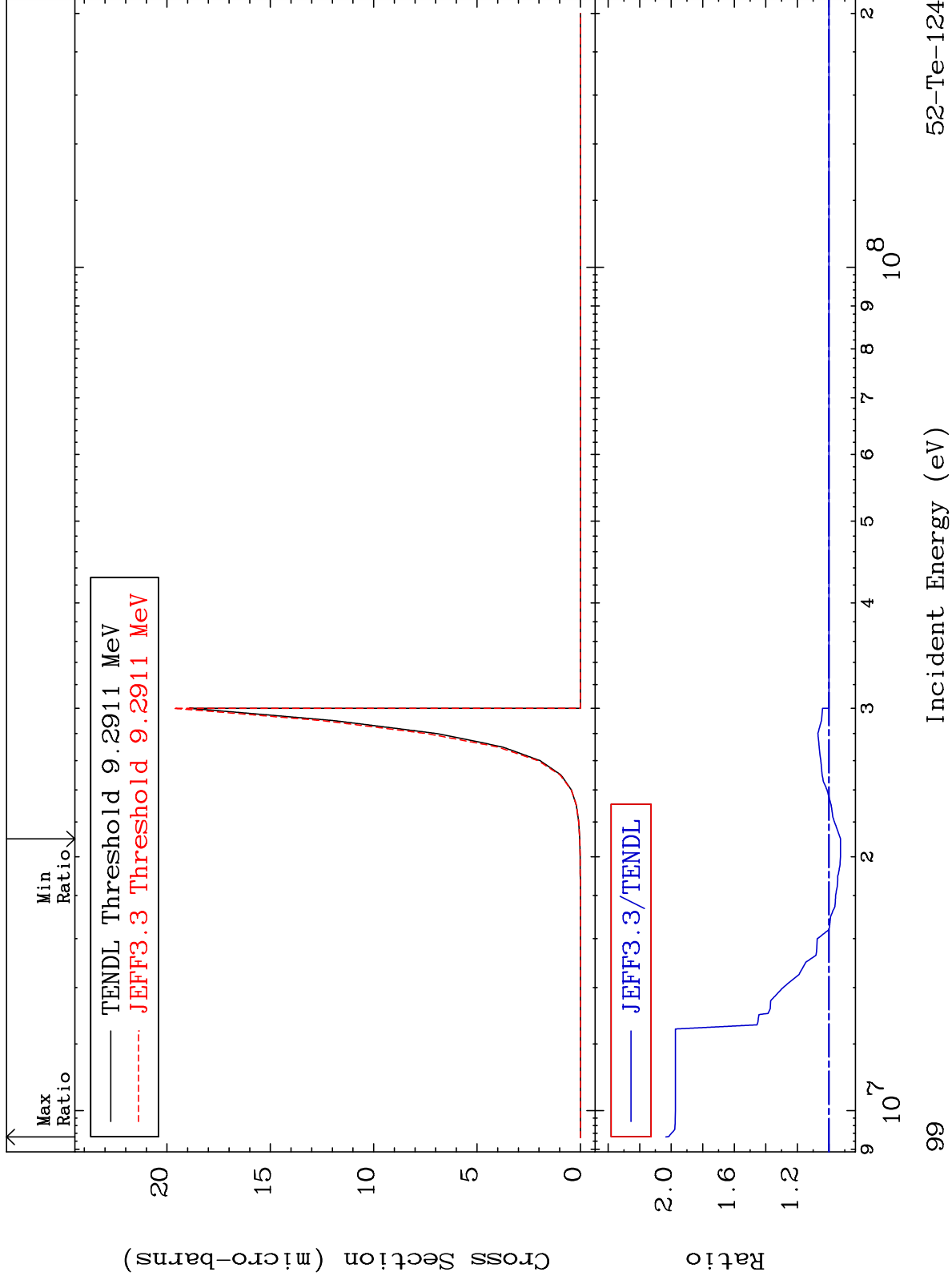
98

MAT 5237

(n,2p):50-Sn-123g

52-Te-124

Radionuclide Production Cross Section -7.345 To 103.4 %

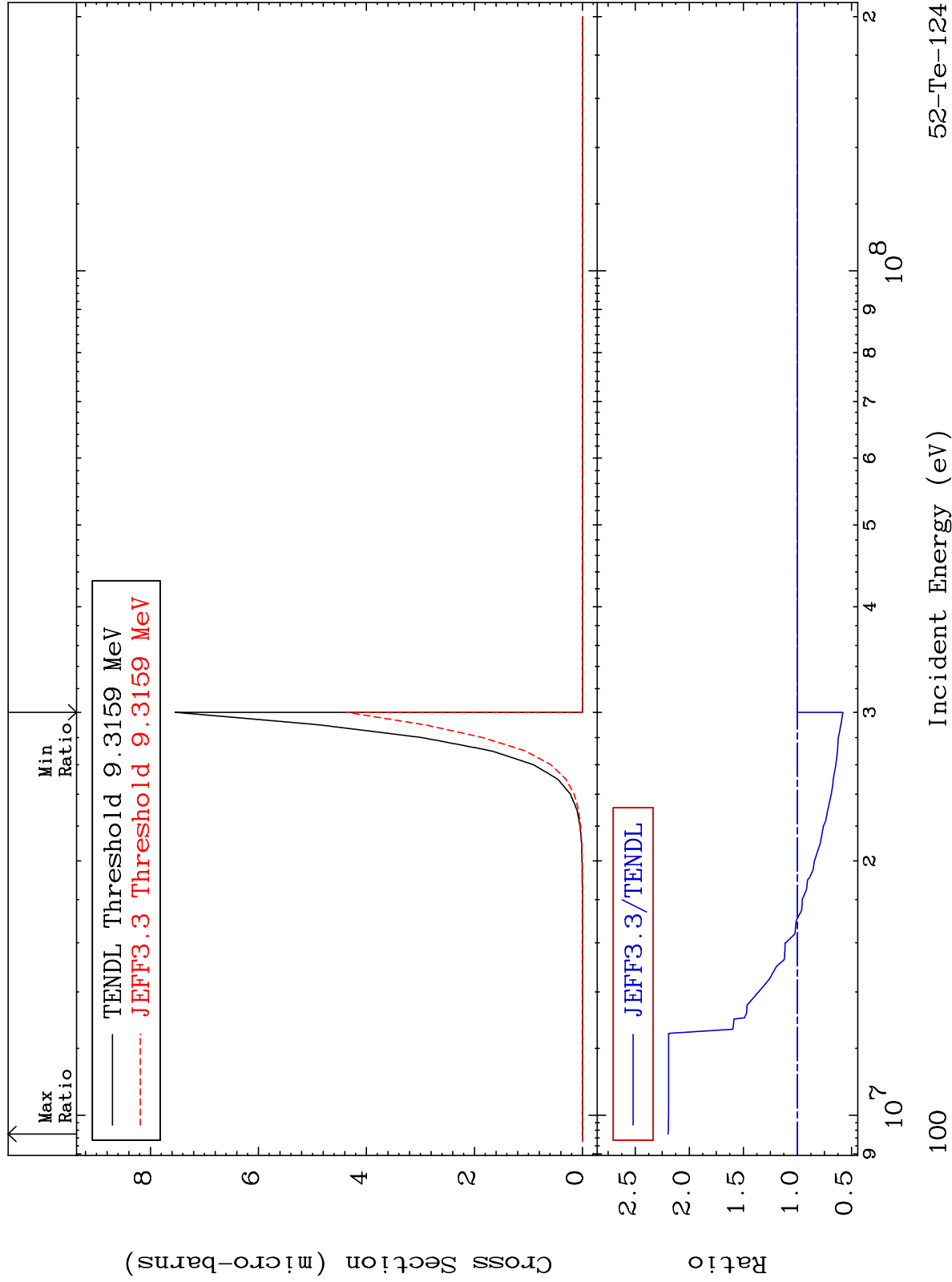


MAT 5237

(n,2p):50-Sn-123m1

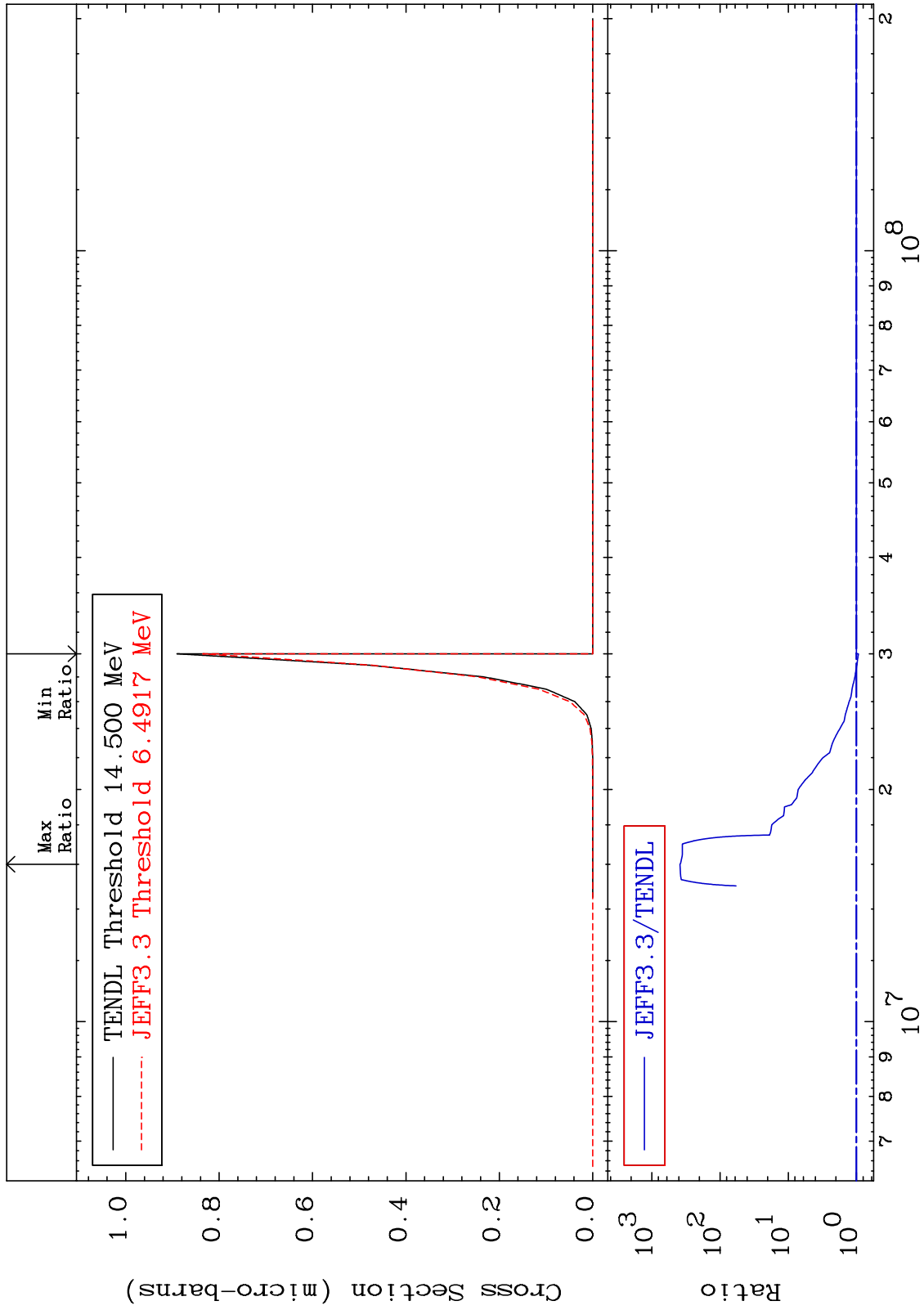
52-Te-124

Radionuclide Production Cross Section -42.01 To 119.6 %



MAT 5237

(n, p)  $\alpha$ : 49-In-120g 52-Te-124  
Radionuclide Production Cross Section -6.225 To 9999. %

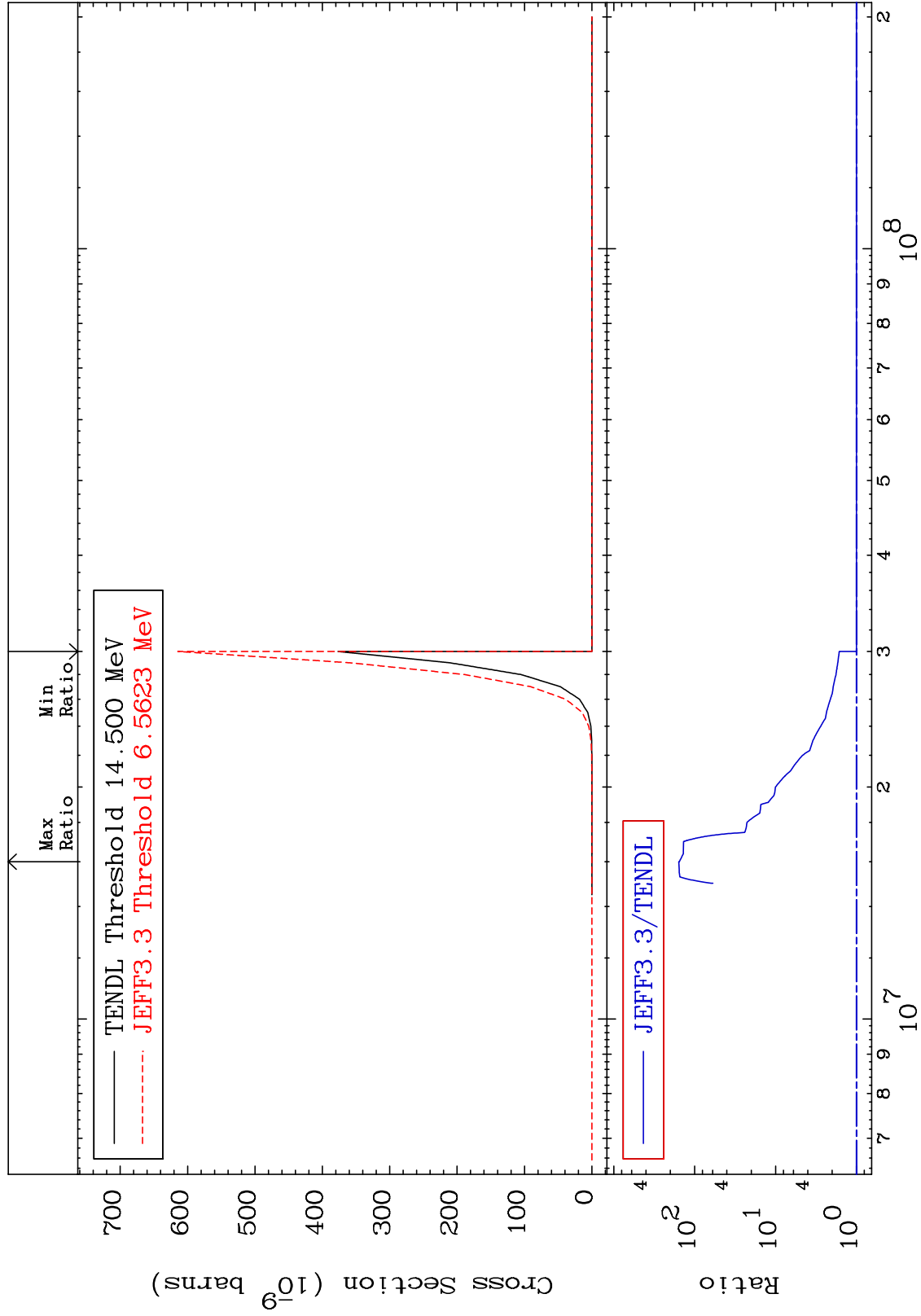


MAT 5237

(n, p)  $\alpha$ :49-In-120m1

52-Te-124

Radionuclide Production Cross Section 0.000 To 9999. %



102

Incident Energy (eV)

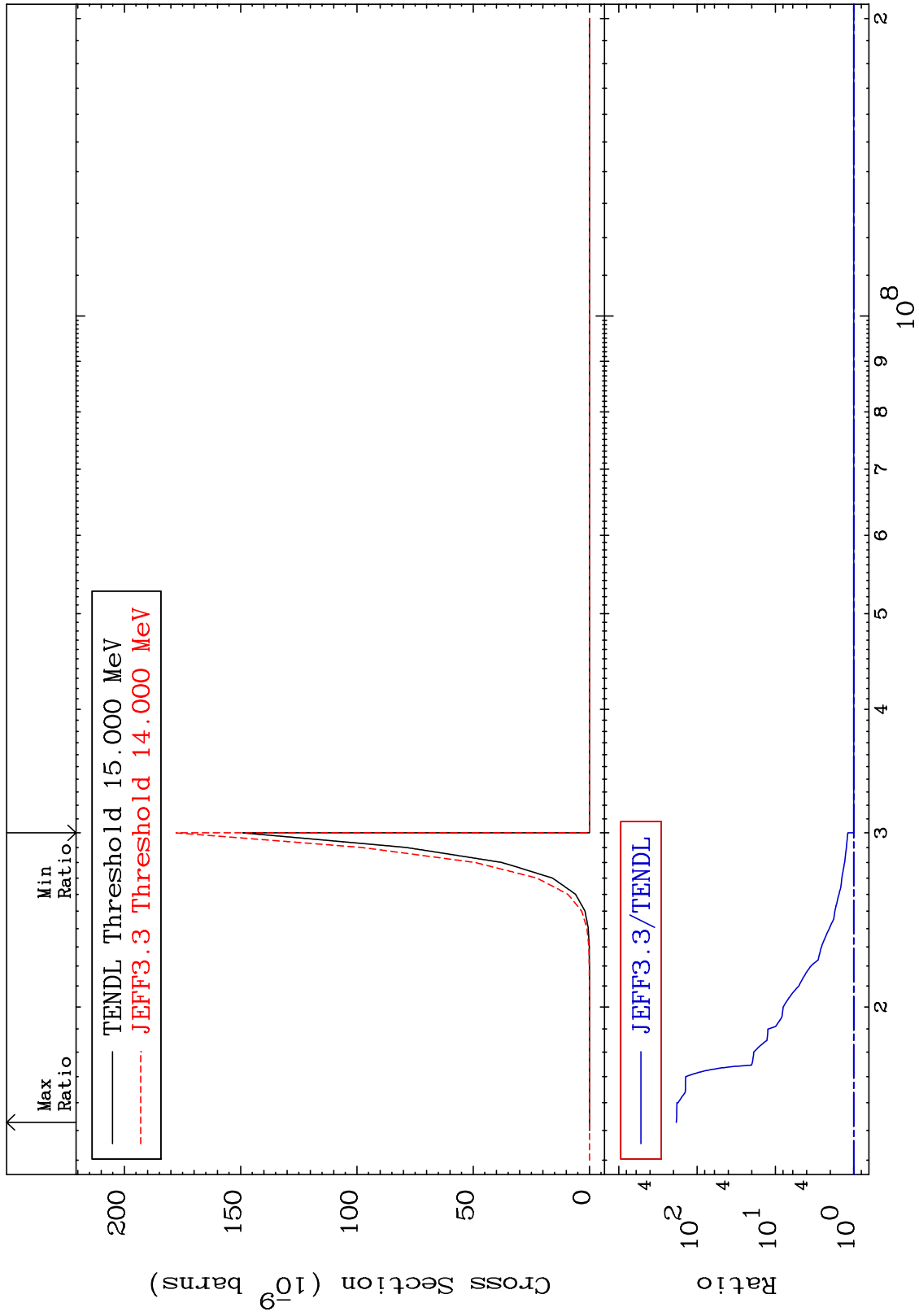
52-Te-124

MAT 5237

(n, p)  $\alpha$ :49-In-120m2

52-Te-124

Radionuclide Production Cross Section 0.000 To 9999. %



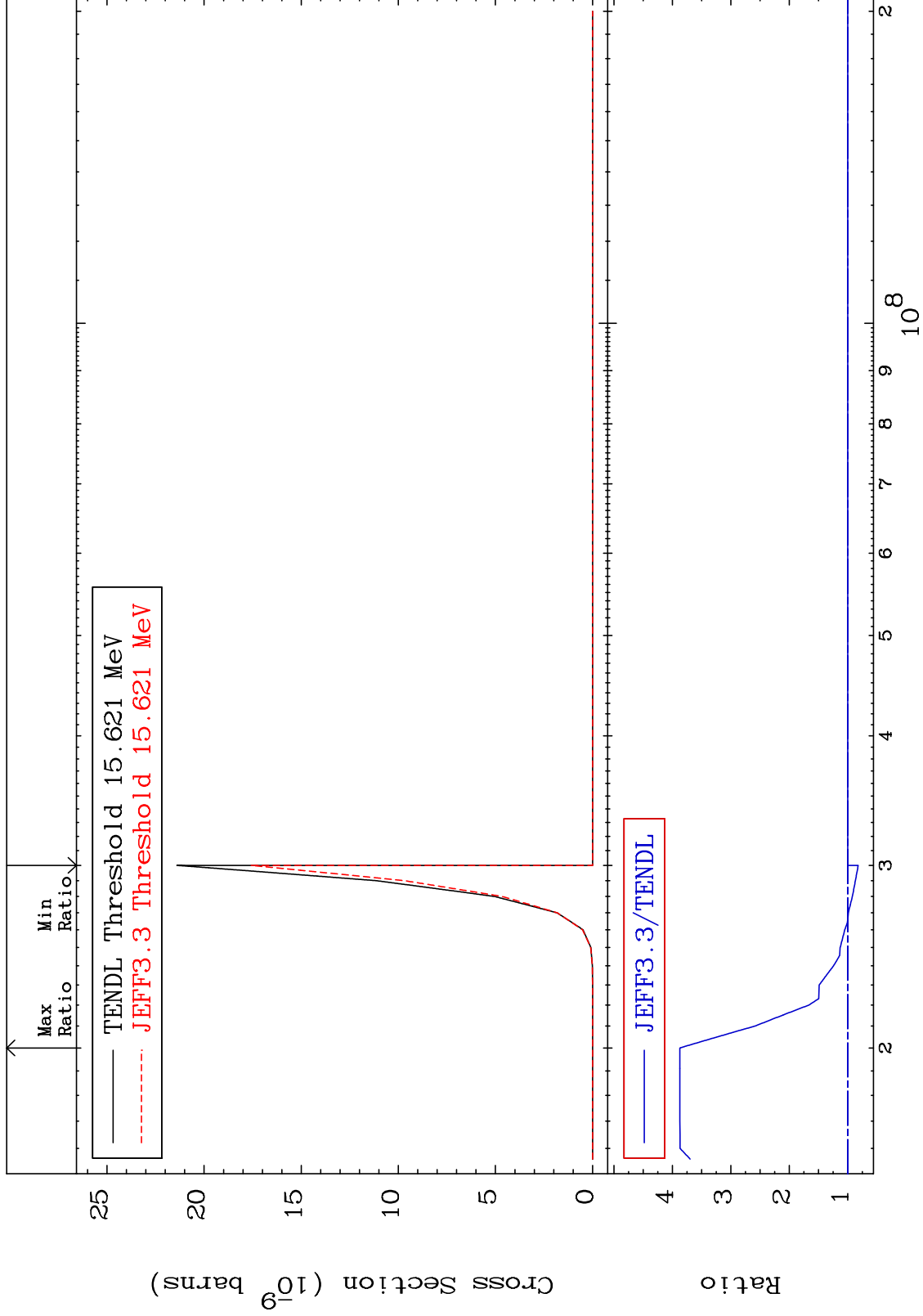


MAT 5237

(n, p) t:50-Sn-121g

52-Te-124

Radionuclide Production Cross Section -17.85 To 287.1 %



MAT 5237

(n, p) t:50-Sn-121m1

52-Te-124

Radionuclide Production Cross Section -1.444 To 204.0 %

