

Program Complot  
(Version 2018-1)

by

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(Present Contact Information)

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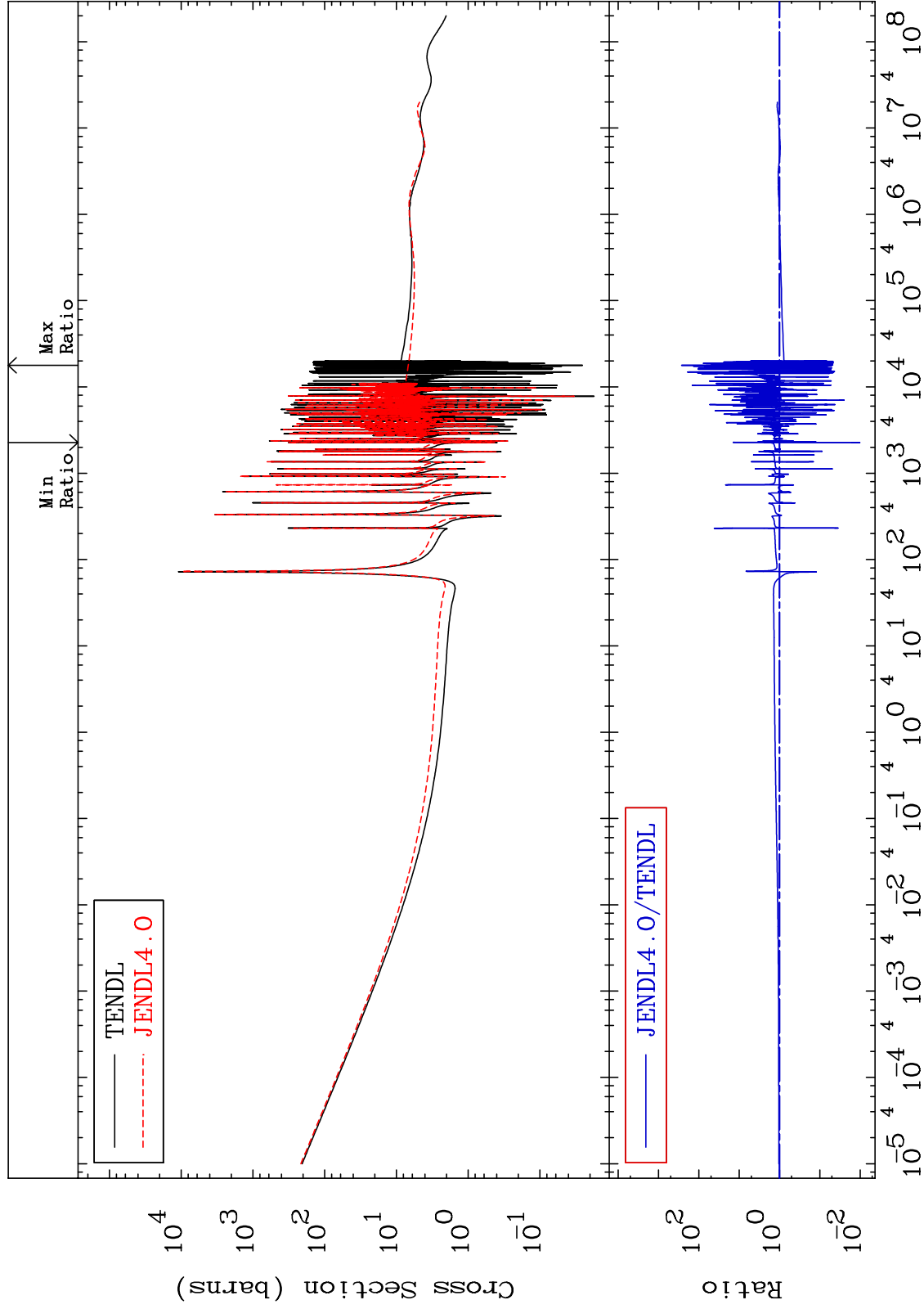
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5231

Total  
Cross Section

52-Te-122  
-98.98 To 9999. %



Incident Energy (eV)

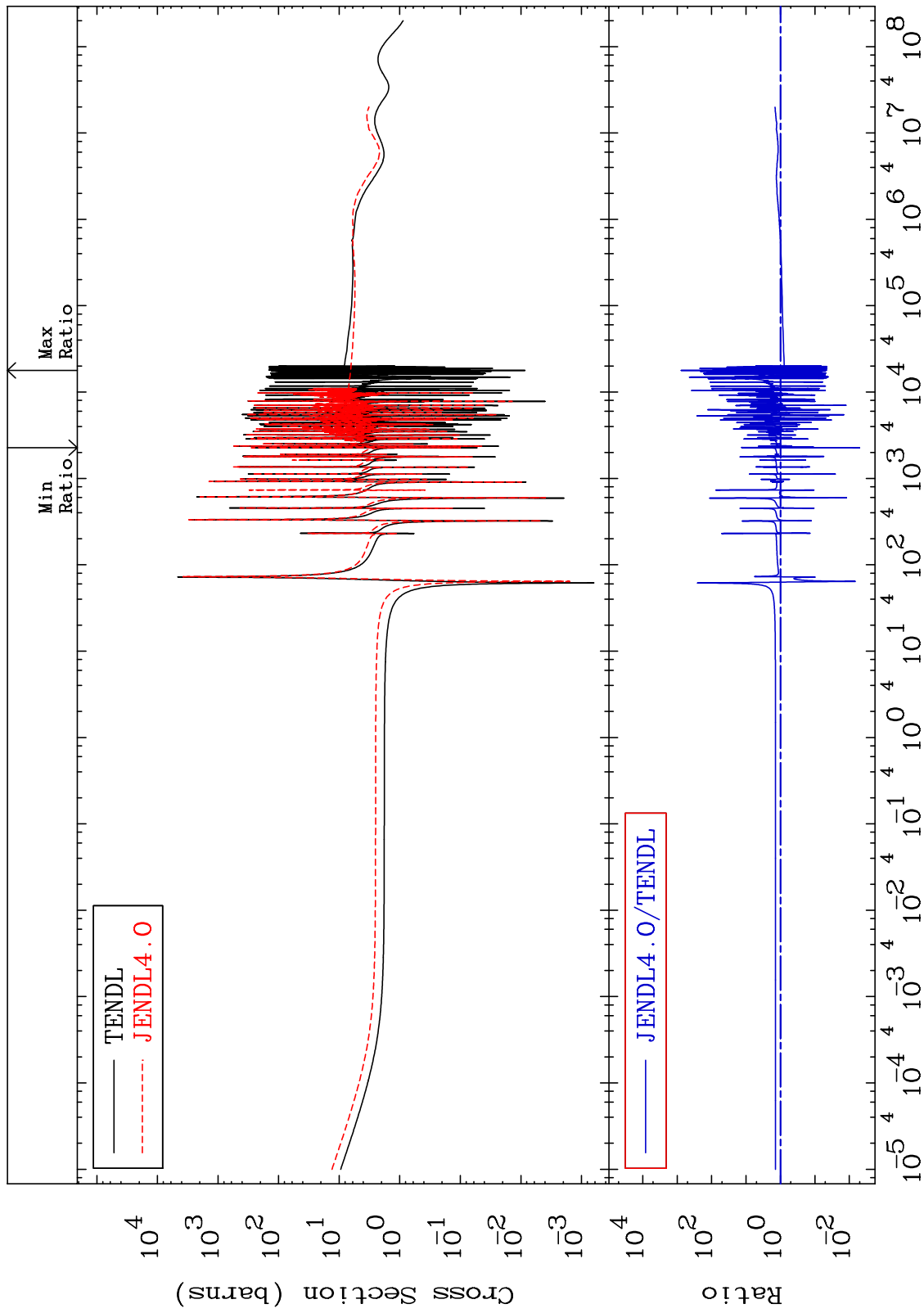
52-Te-122

1

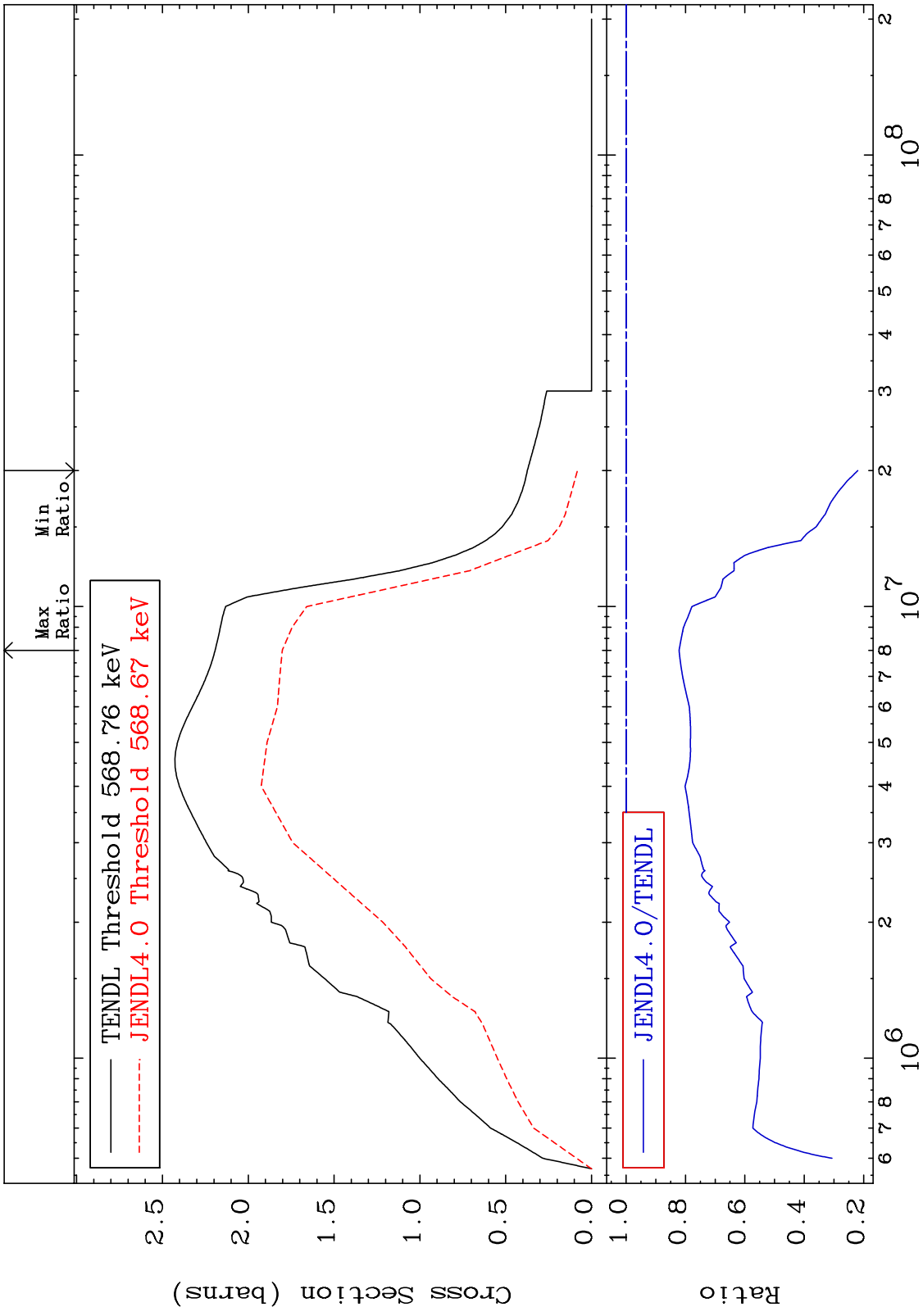
MAT 5231

Elastic  
Cross Section

52-Te-122  
-99.50 To 9999. %

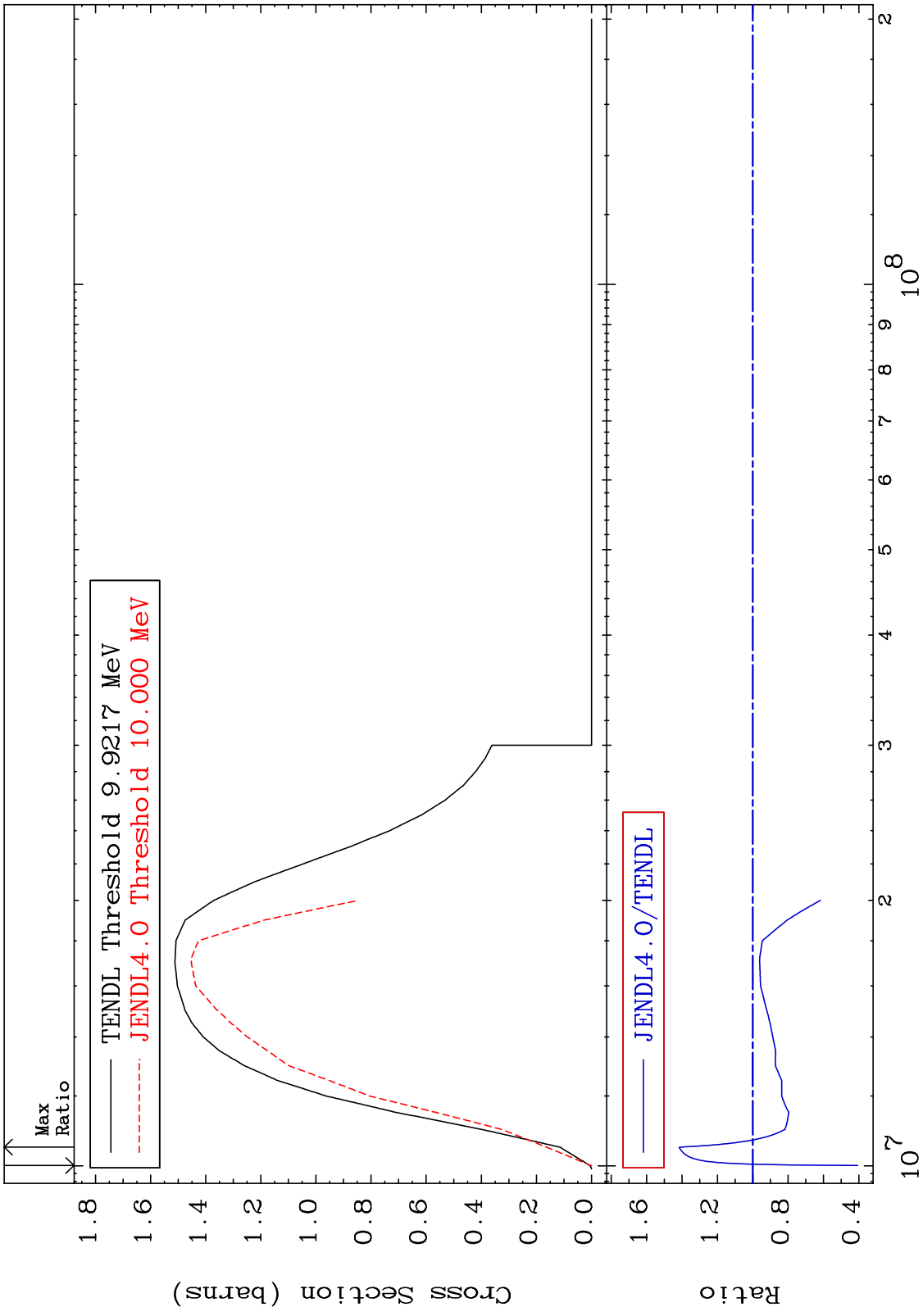


MAT 5231 52-Te-122  
-78.04 To -17.84%



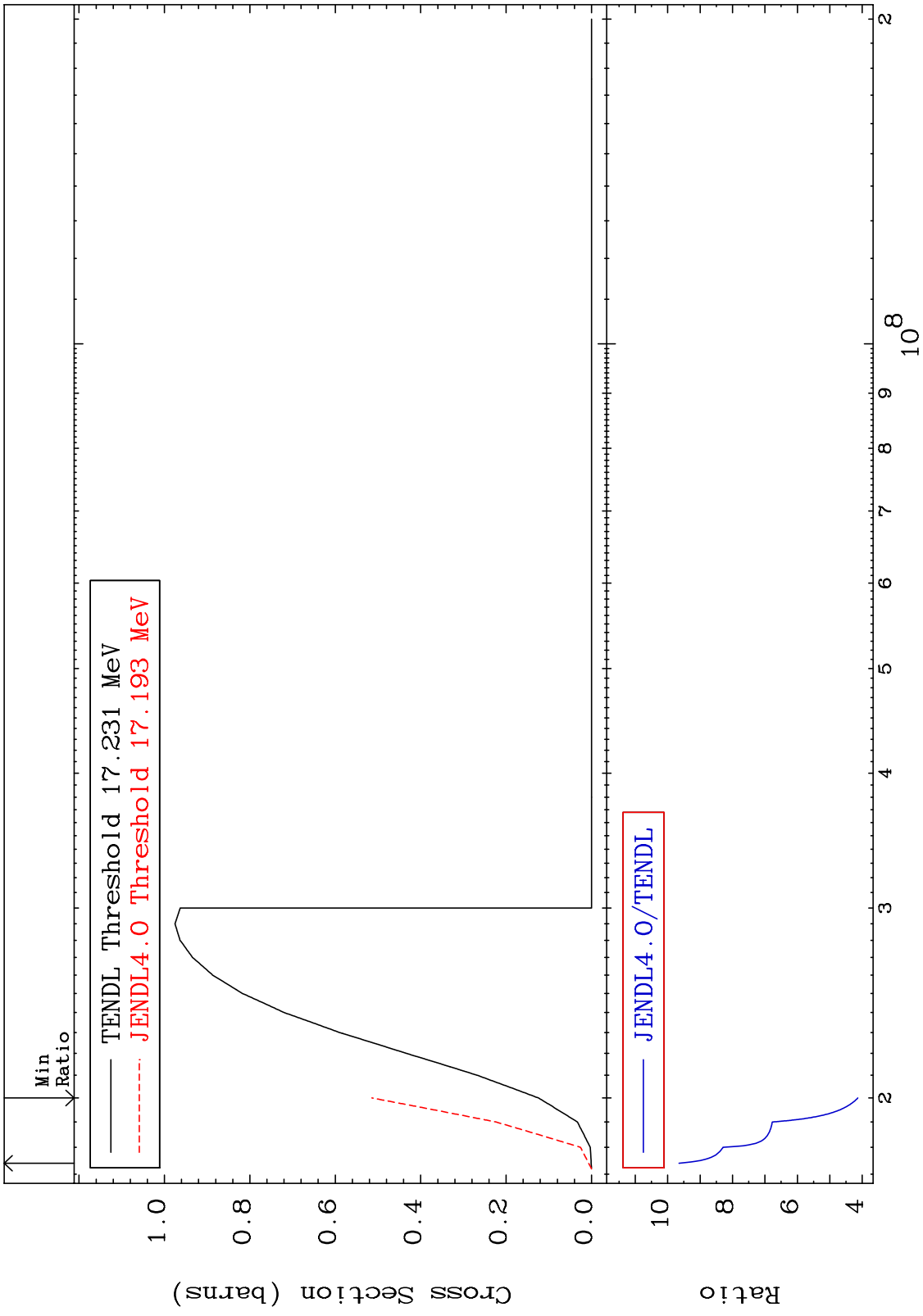
3 52-Te-122

MAT 5231 (n,2n) Cross Section 52-Te-122 -59.39 To 41.66 %

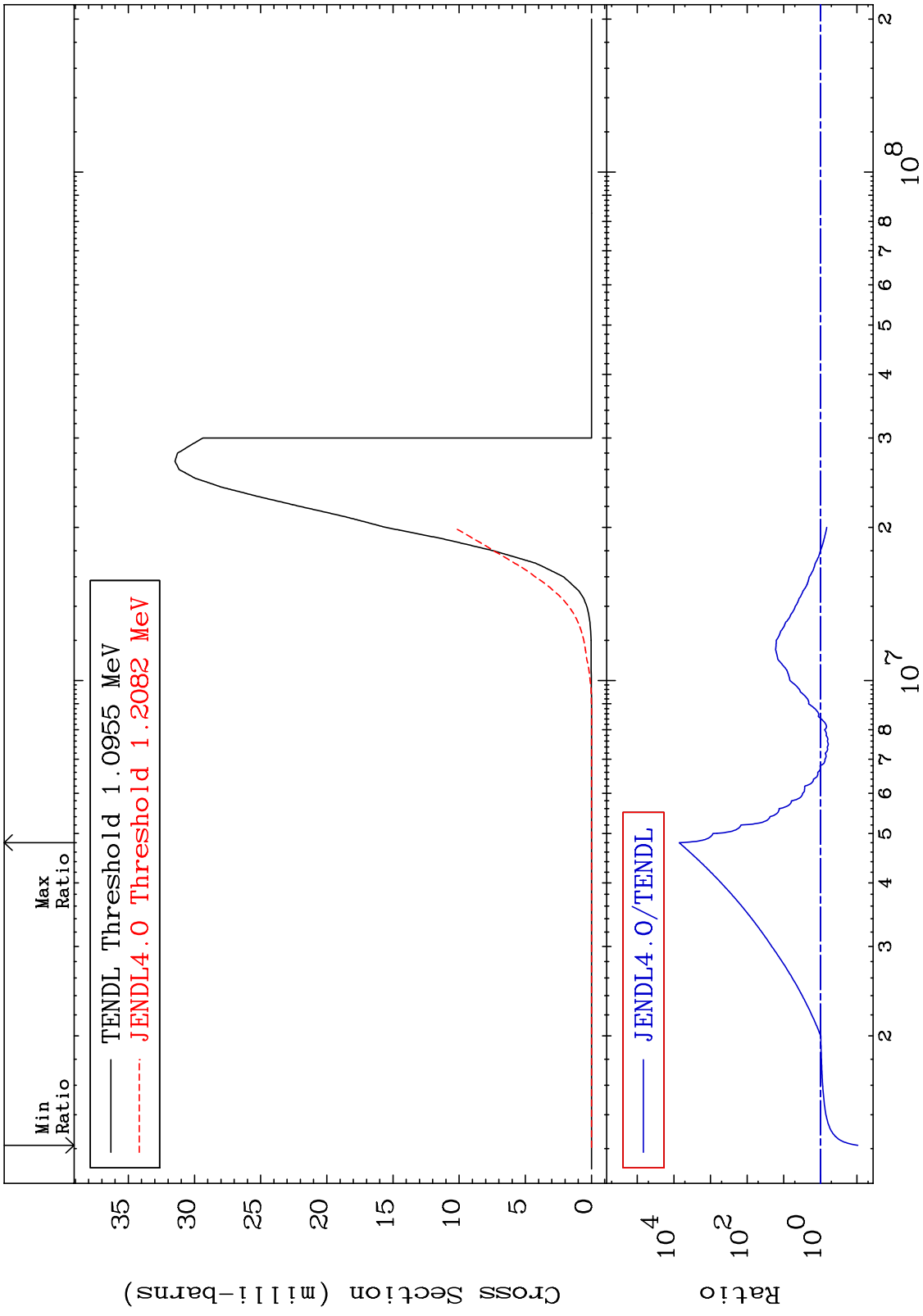


52-Te-122 Incident Energy (eV)

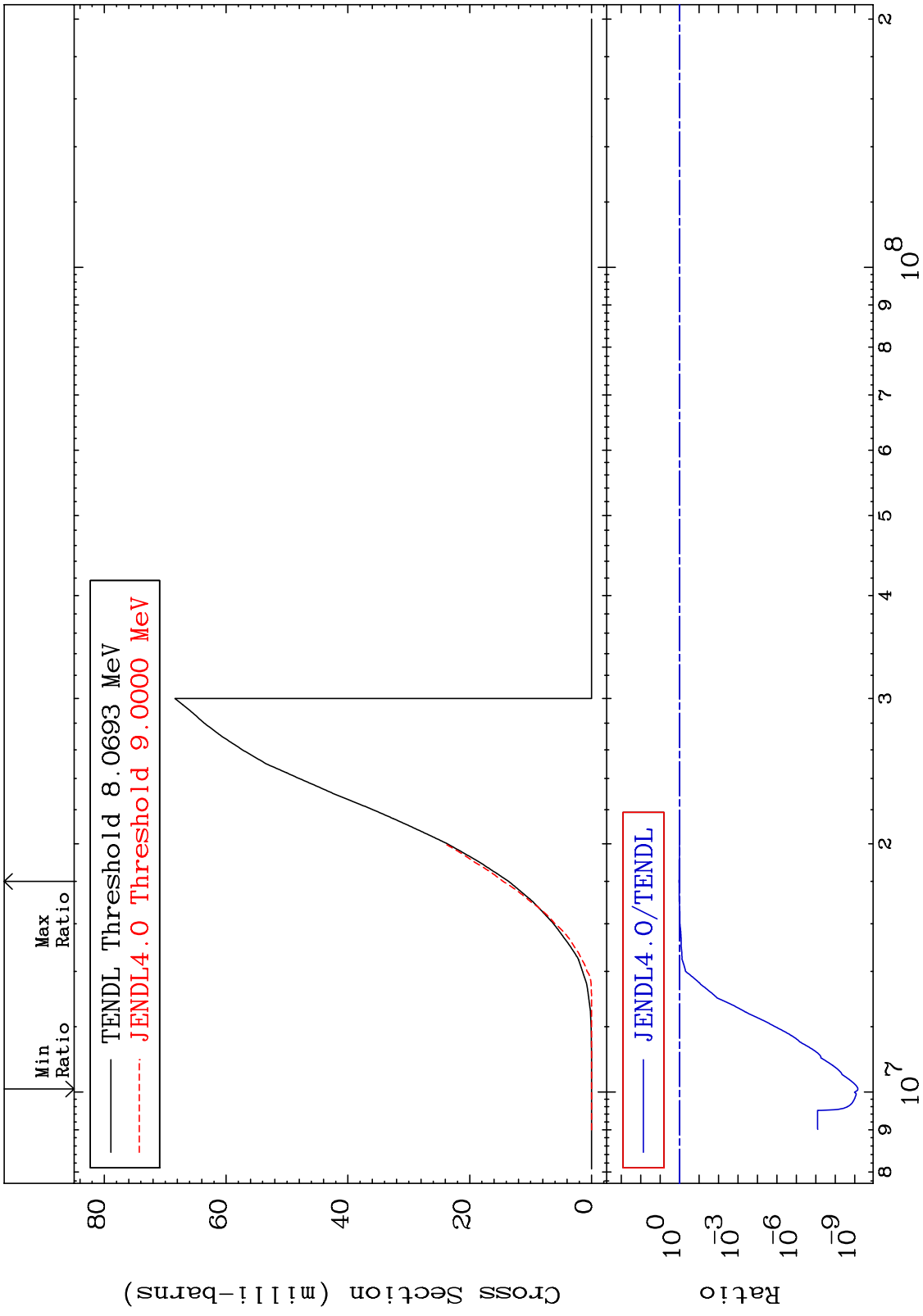
MAT 5231 (n,3n) Cross Section 52-Te-122 To 864.9 %  
 313.6



MAT 5231  $(n, n') \alpha$  52-Te-122  
 Cross Section -90.53 To 9999. %

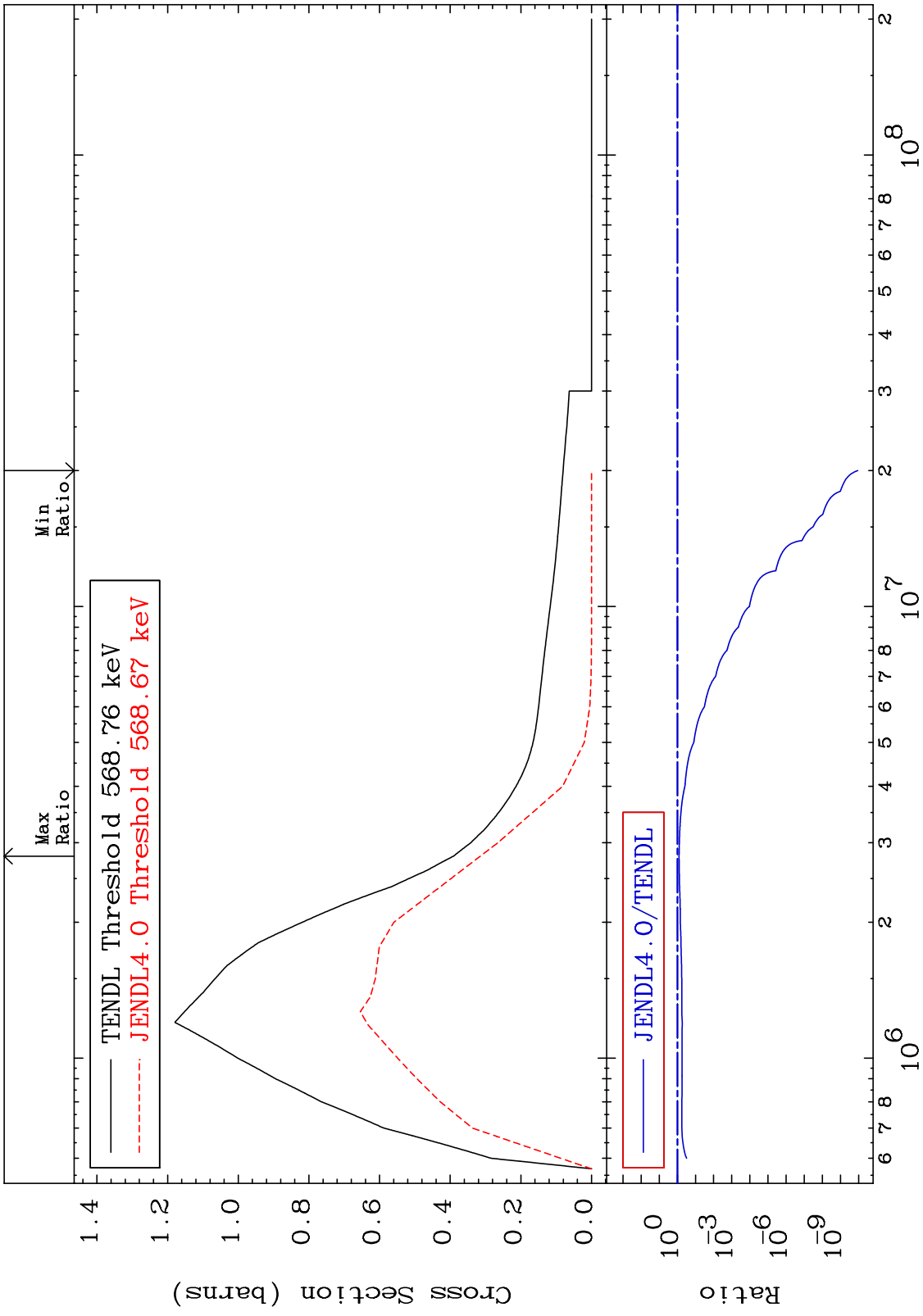


MAT 5231 (n,n') p 52-Te-122  
 Cross Section -100.0 To 6.687 %

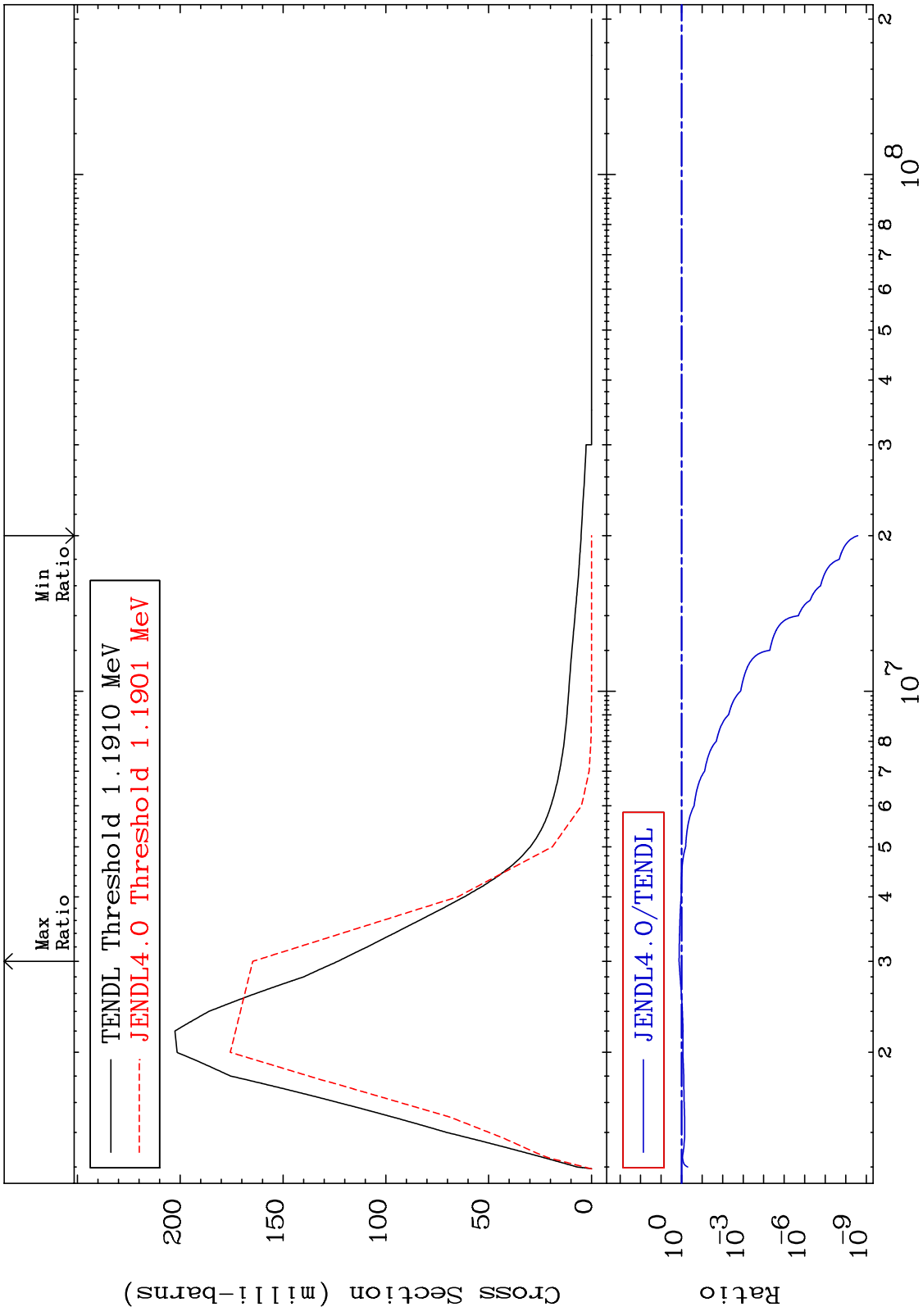


Incident Energy (eV) 52-Te-122

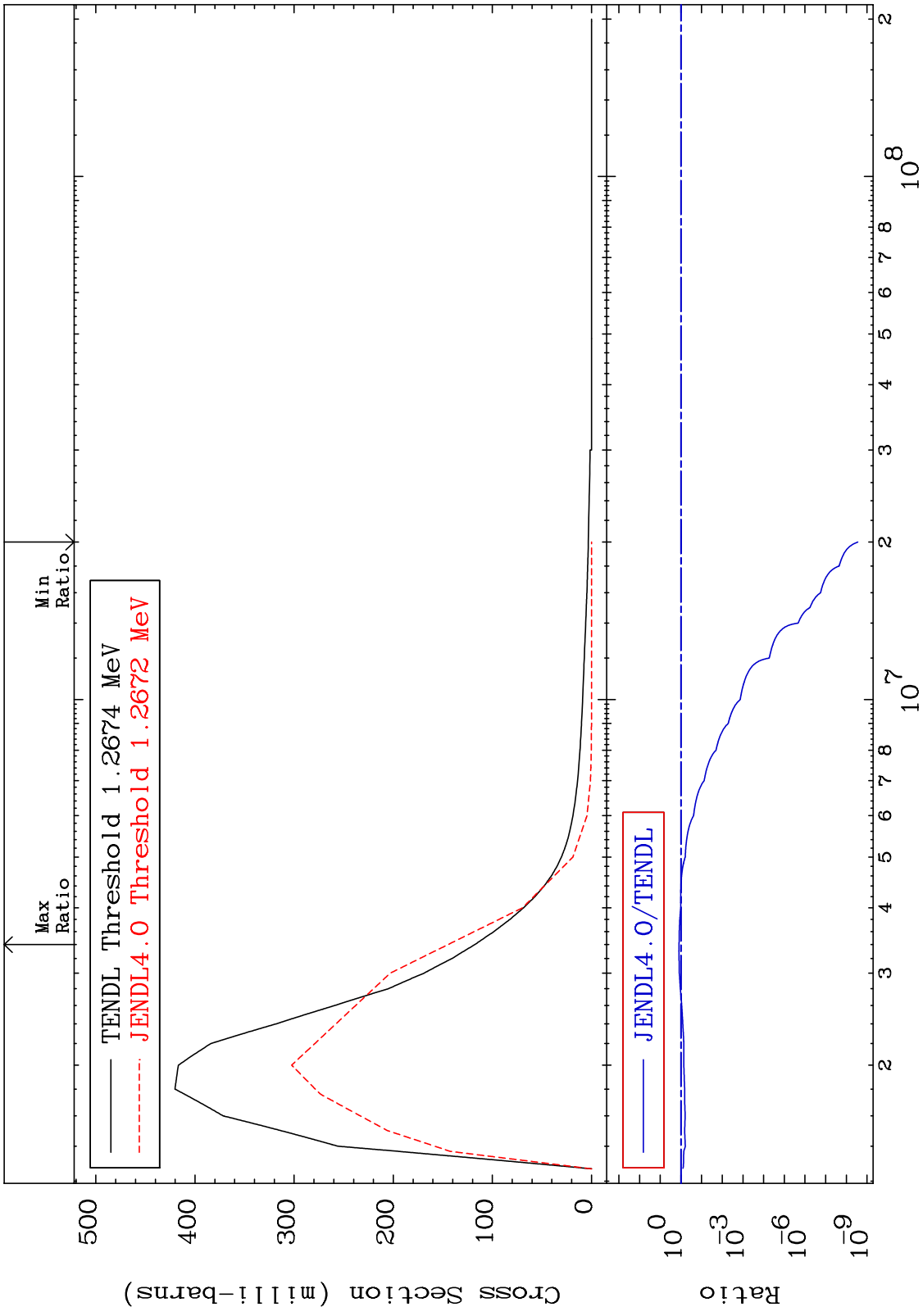
MAT 5231 MT= 51 (n,n') Level Cross Section 52-Te-122 -100.0 To -19.42%



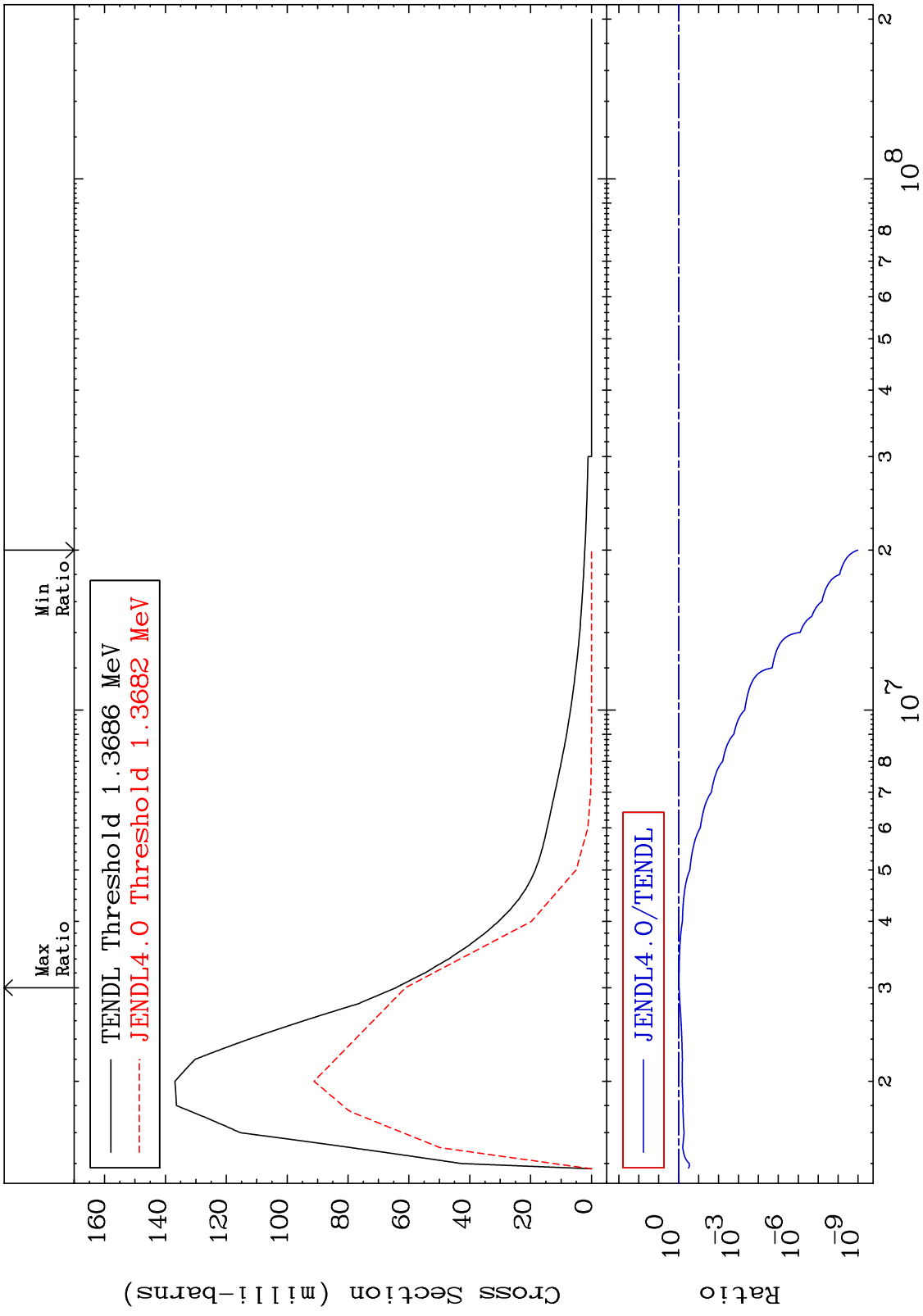
MAT 5231 MT= 52 (n,n') Level Cross Section 52-Te-122 -100.0 To 33.56 %



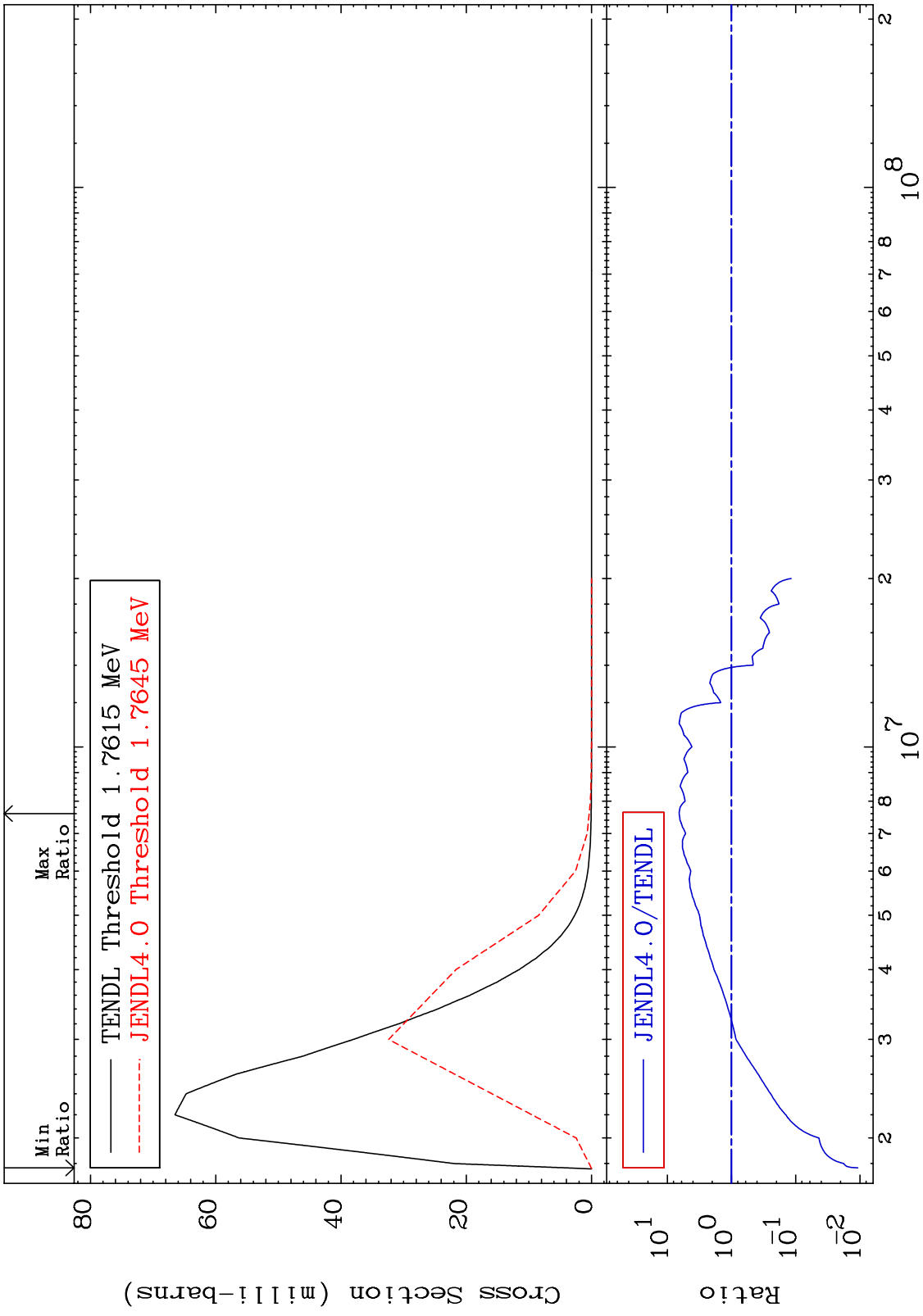
MAT 5231 MT= 53 (n,n') Level Cross Section 52-Te-122  
 -100.0 To 23.05 %



MAT 5231 MT= 54 (n,n') Level Cross Section 52-Te-122 -100.0 To -4.892%



MAT 5231 MT= 55 (n,n') Level Cross Section 52-Te-122 -98.92 To 557.0 %

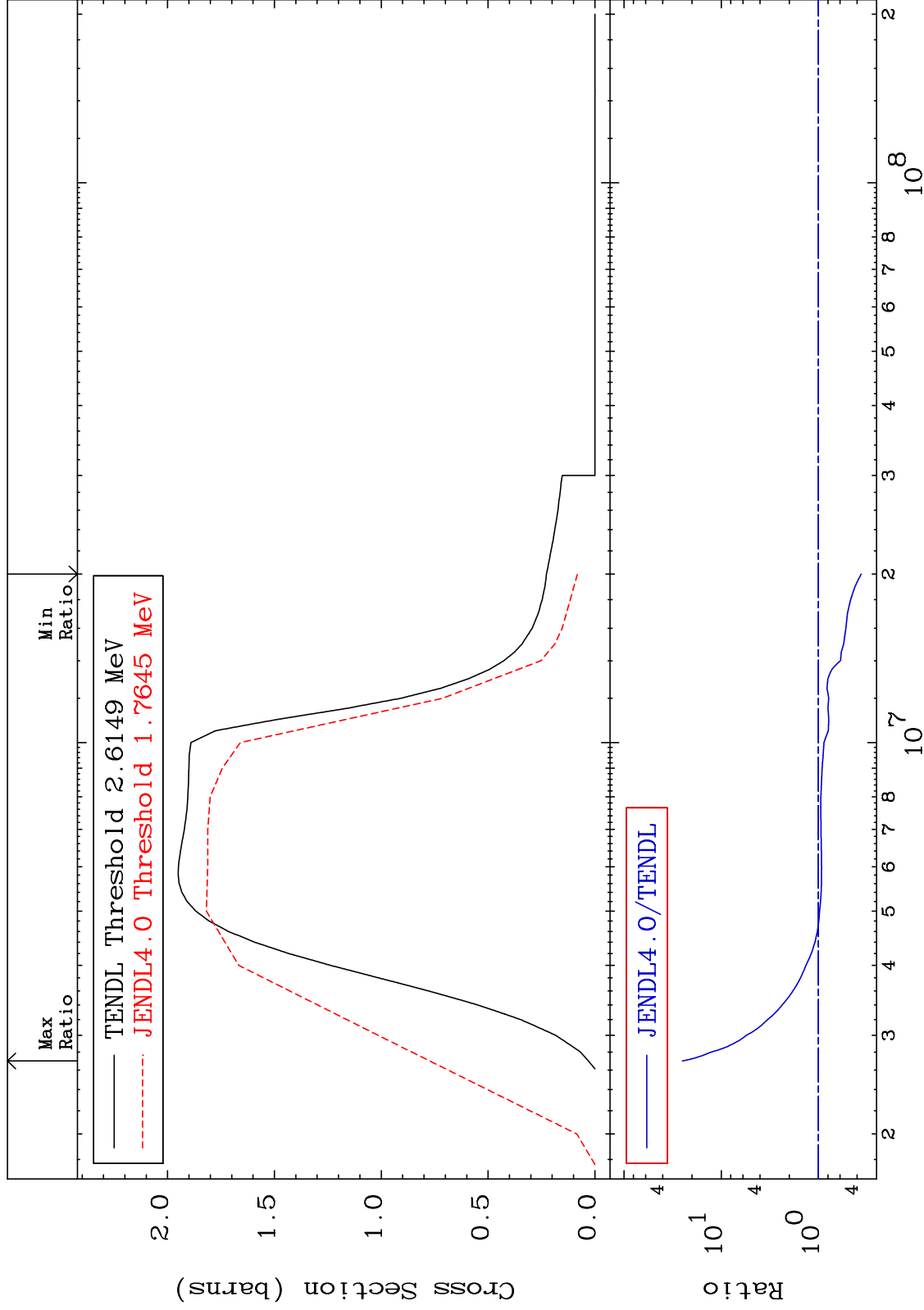


12 Incident Energy (eV) 52-Te-122

MAT 5231

(n, n') Continuum  
Cross Section

52-Te-122  
-63.73 To 2409. %

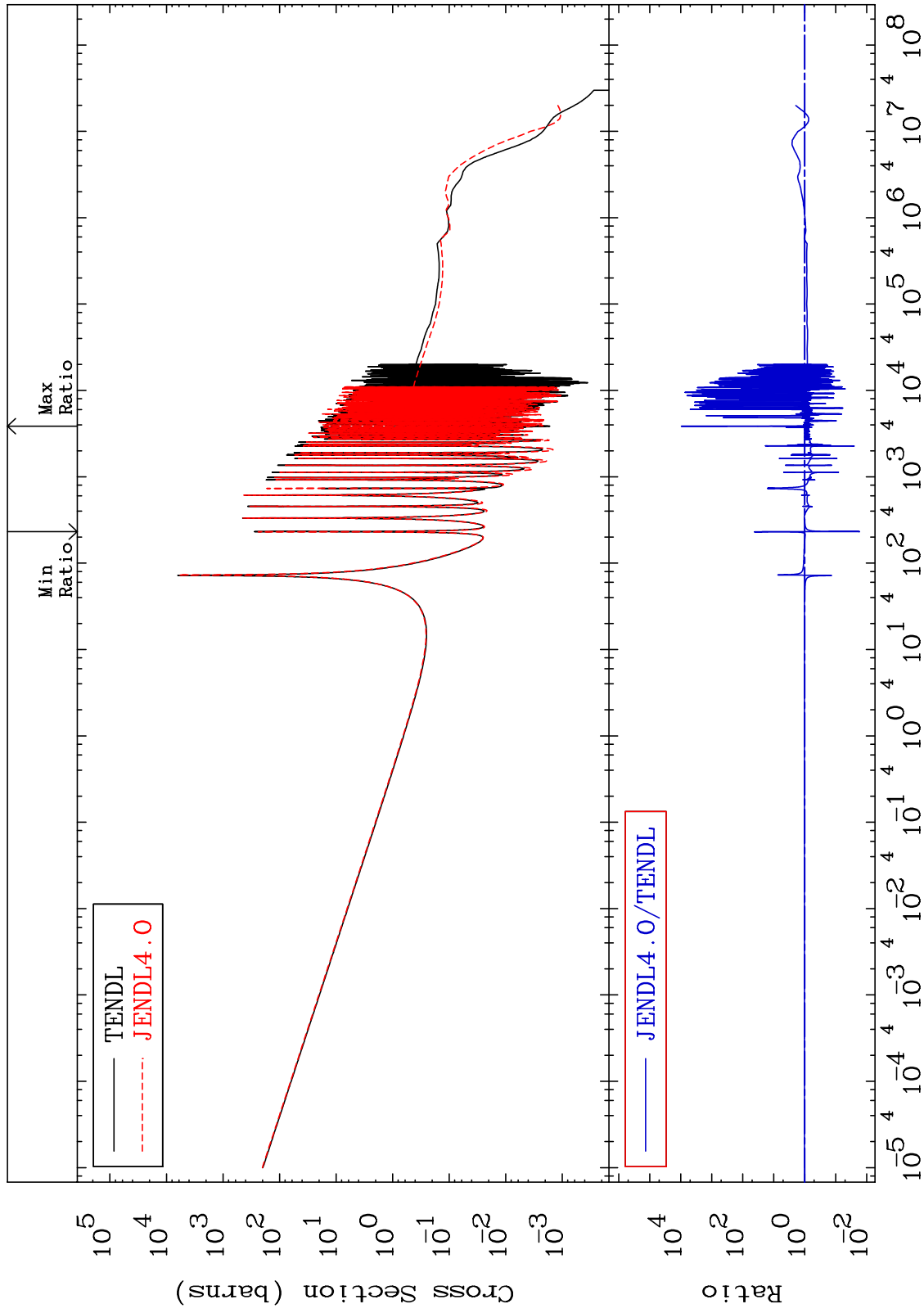


MAT 5231

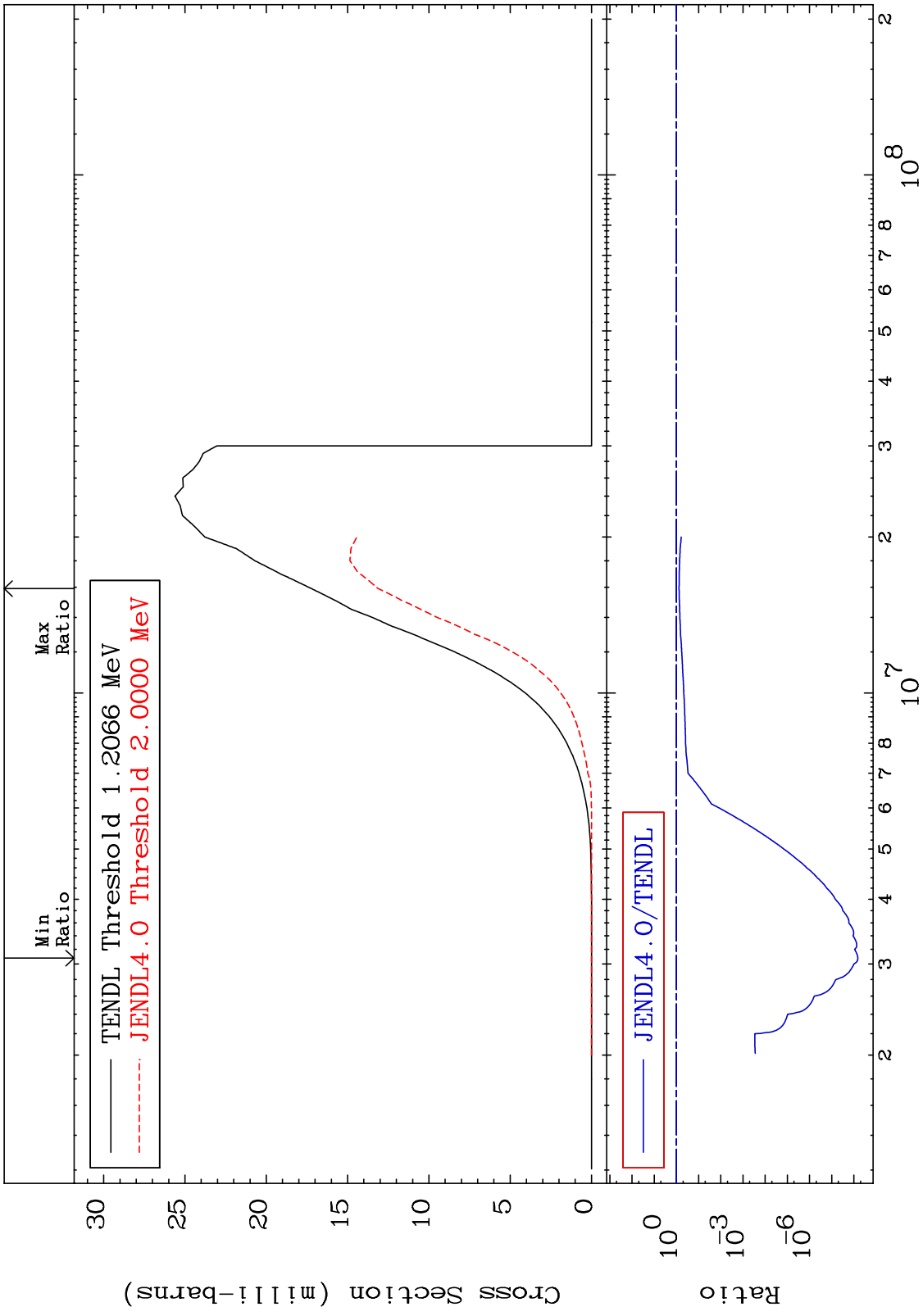
(n,  $\gamma$ )

52-Te-122

-98.31 To 9999. %



MAT 5231 (n,p) Cross Section 52-Te-122 -100.0 To -23.84%



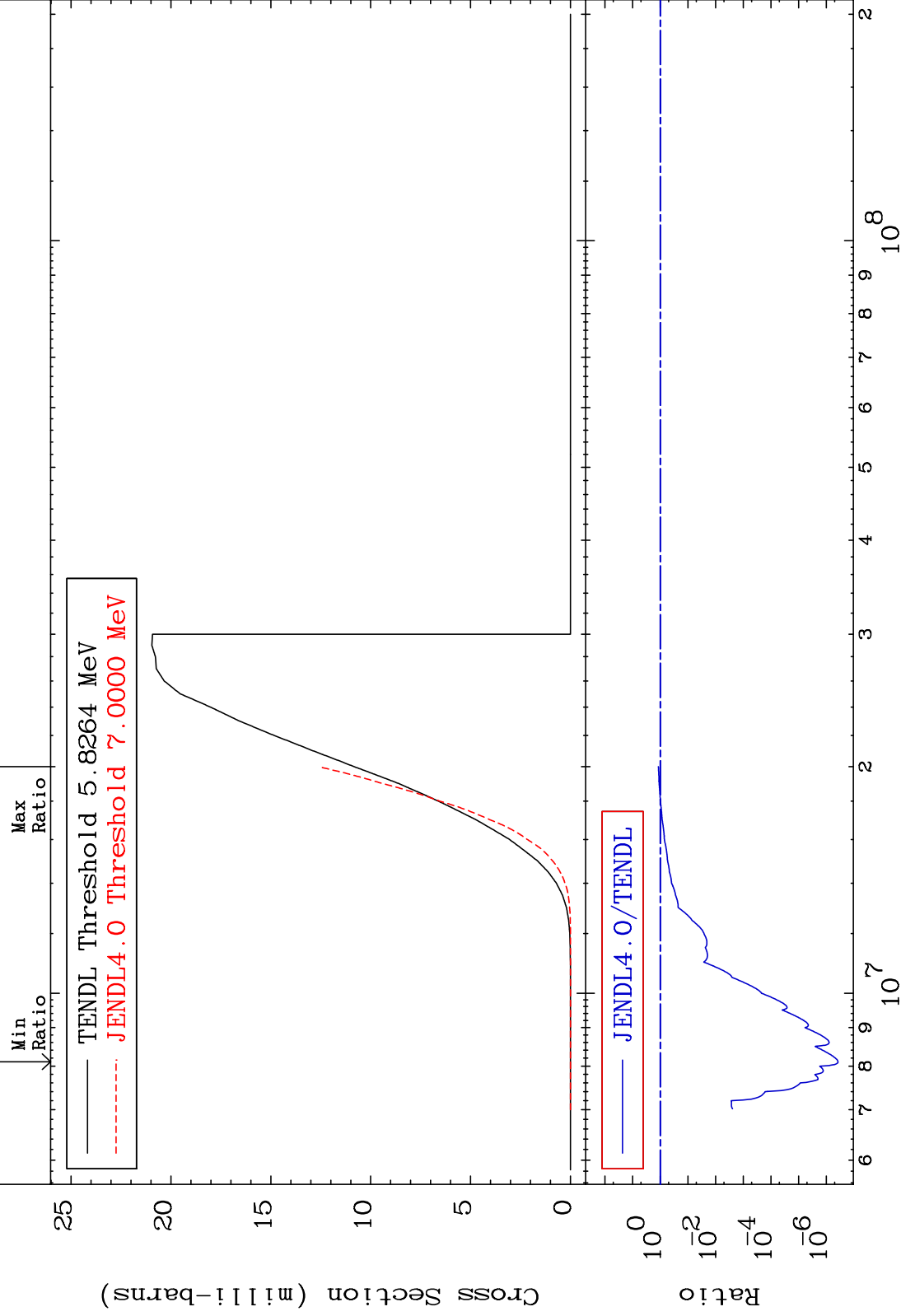
MAT 5231

(n,d)

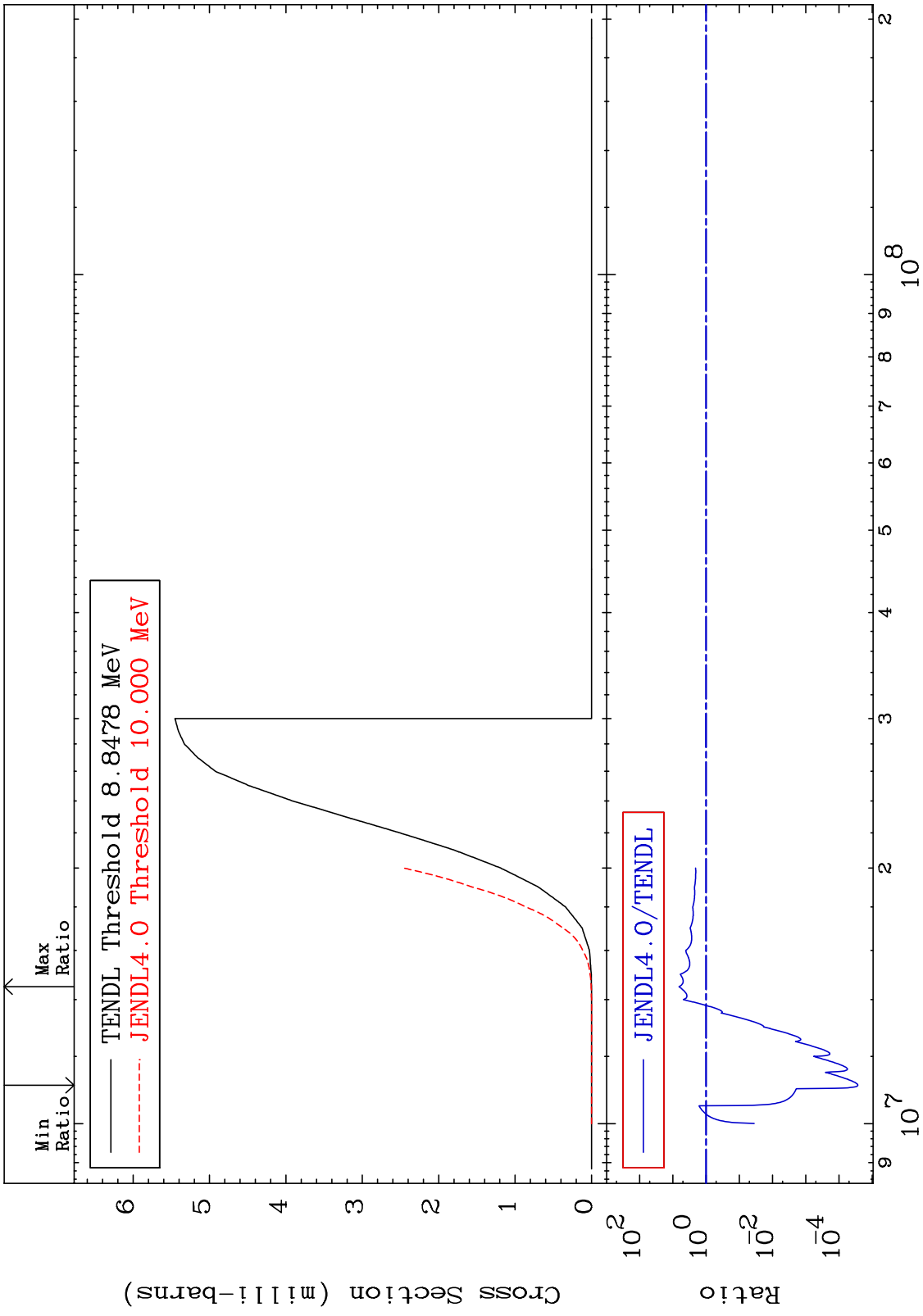
52-Te-122

-100.0 To 16.64 %

Cross Section



MAT 5231 (n,t) 52-Te-122  
 Cross Section -100.0 To 554.4 %



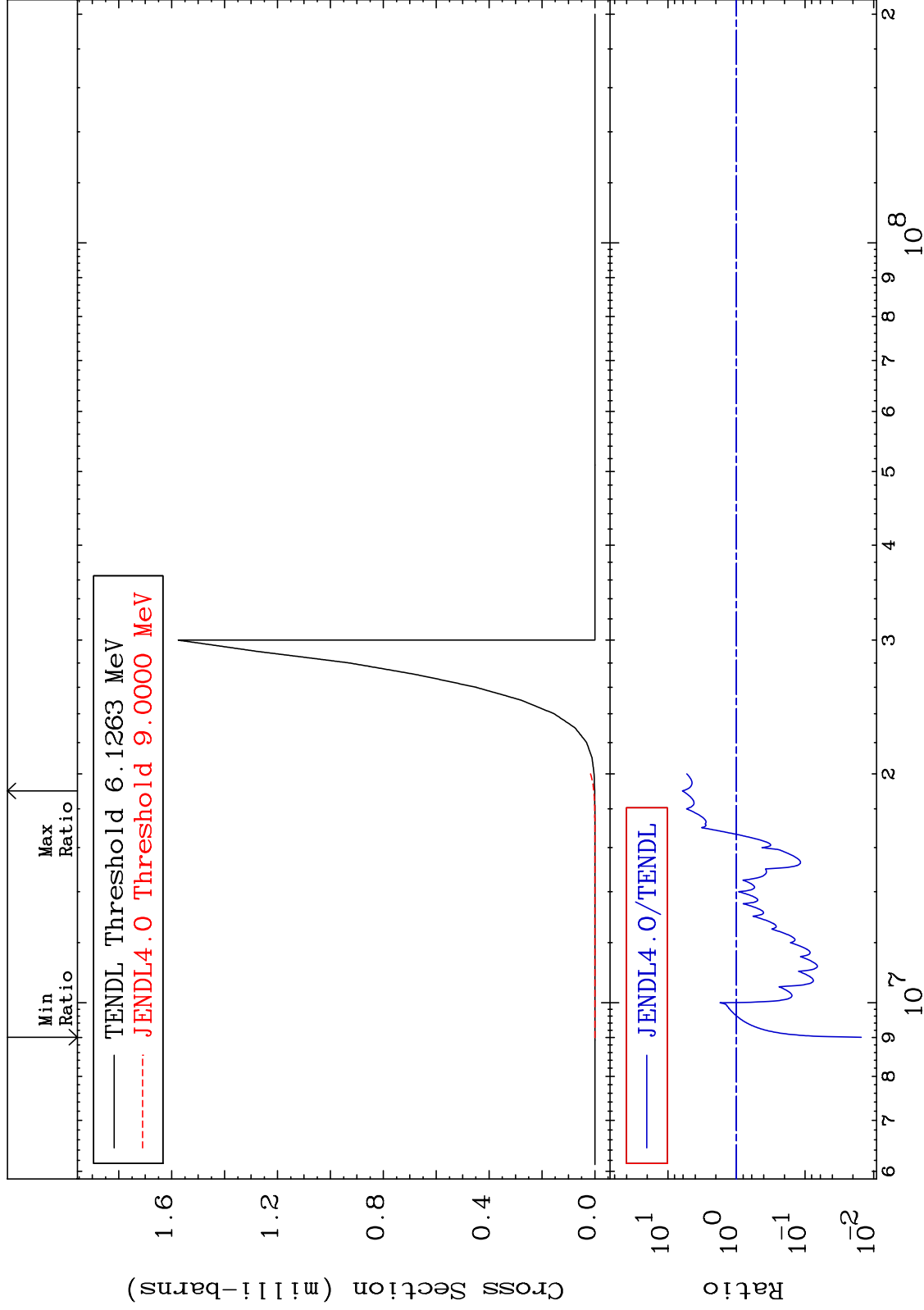
MAT 5231

(n, He-3)

52-Te-122

Cross Section

-98.49 To 513.6 %



18

Incident Energy (eV)

52-Te-122

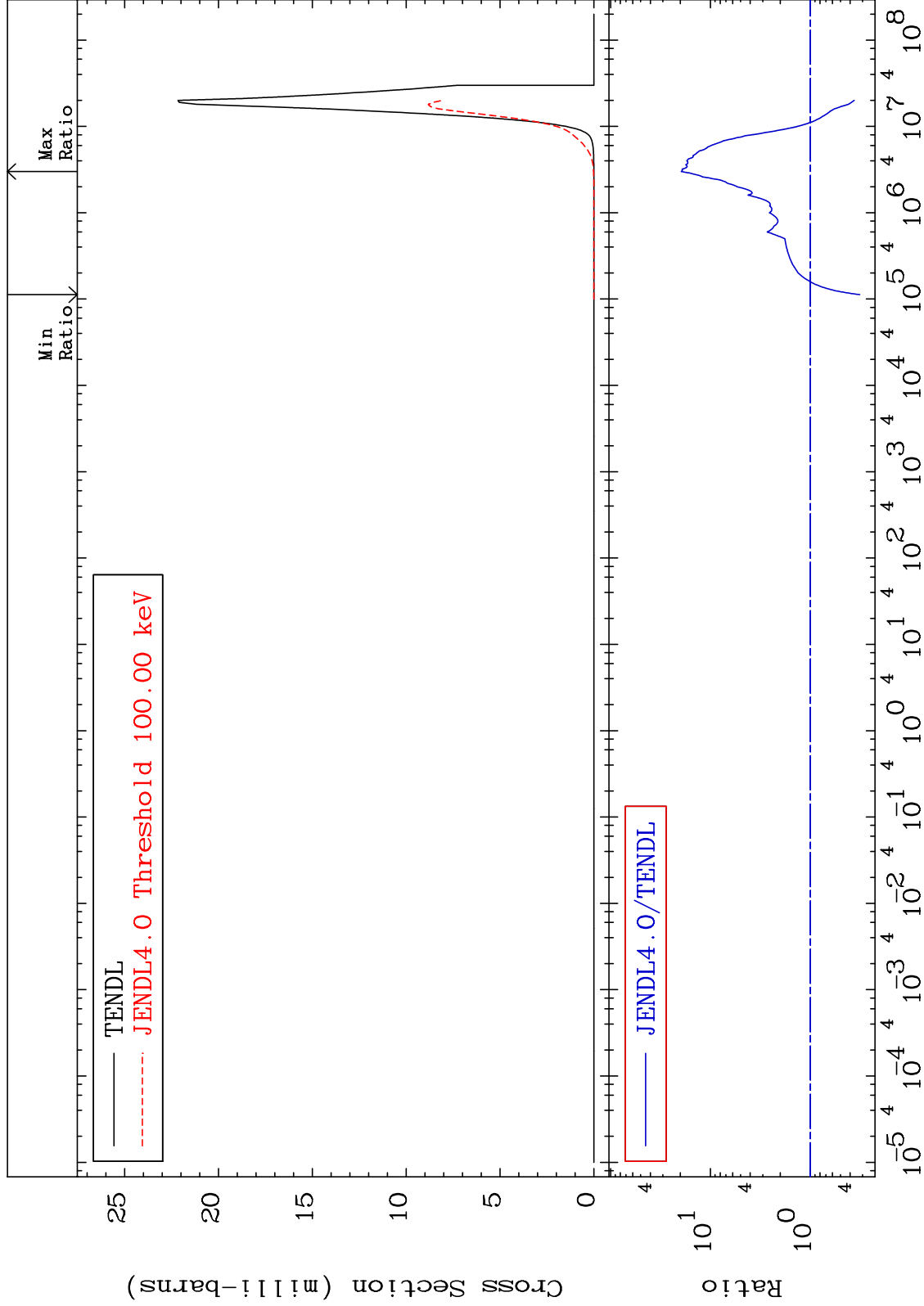
MAT 5231

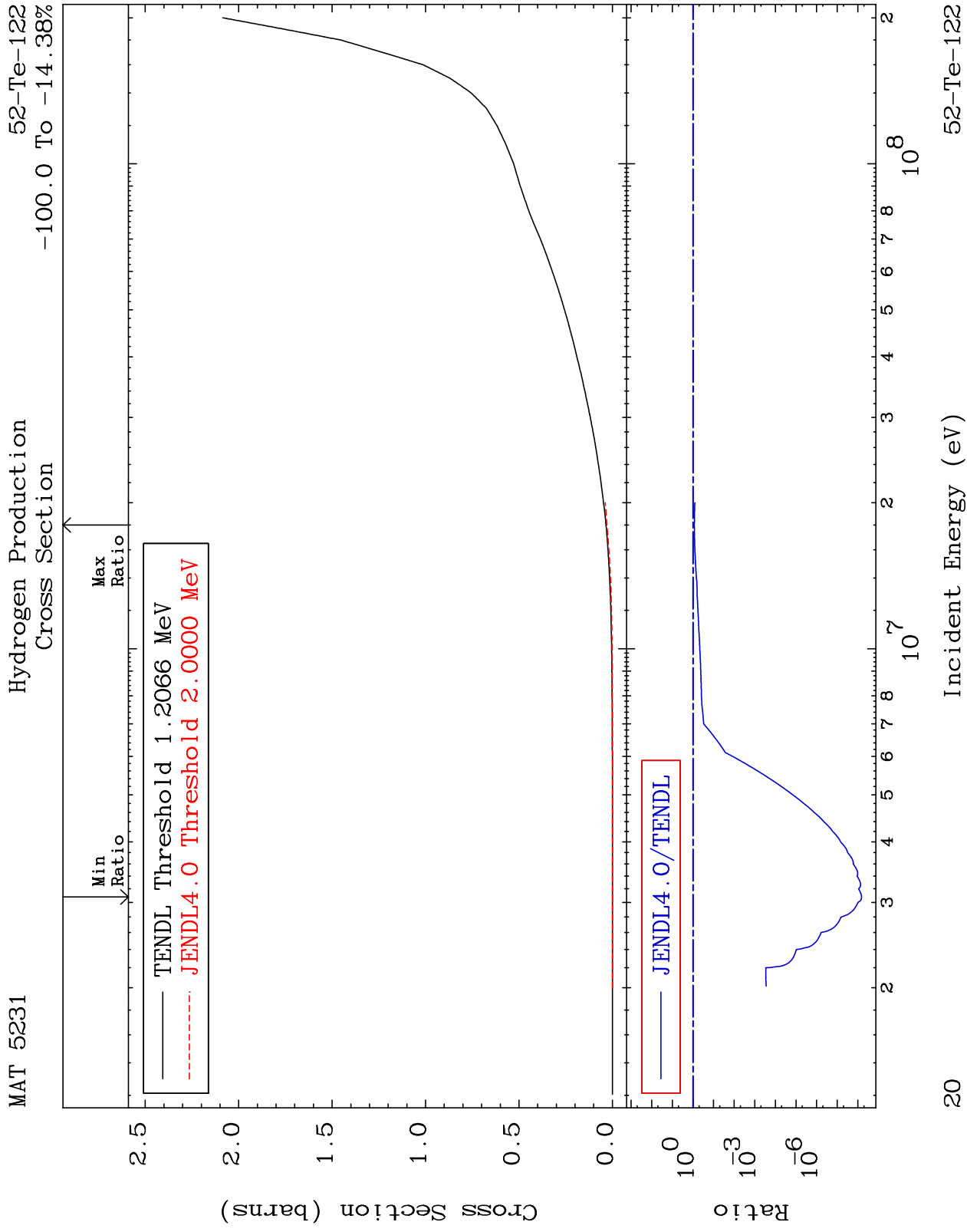
(n,  $\alpha$ )

52-Te-122

Cross Section

-67.98 To 1862. %

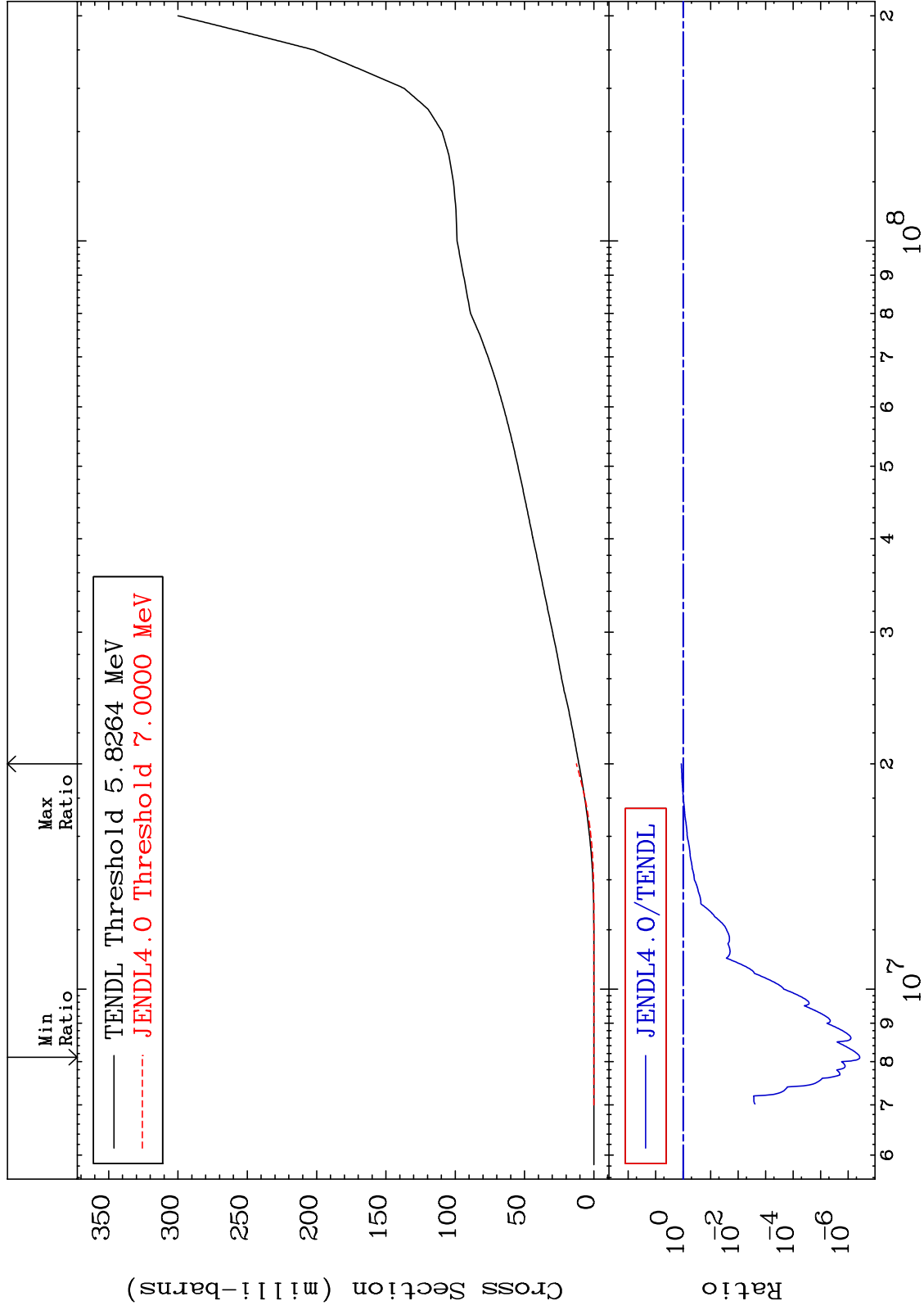




MAT 5231

Deuterium Production  
Cross Section

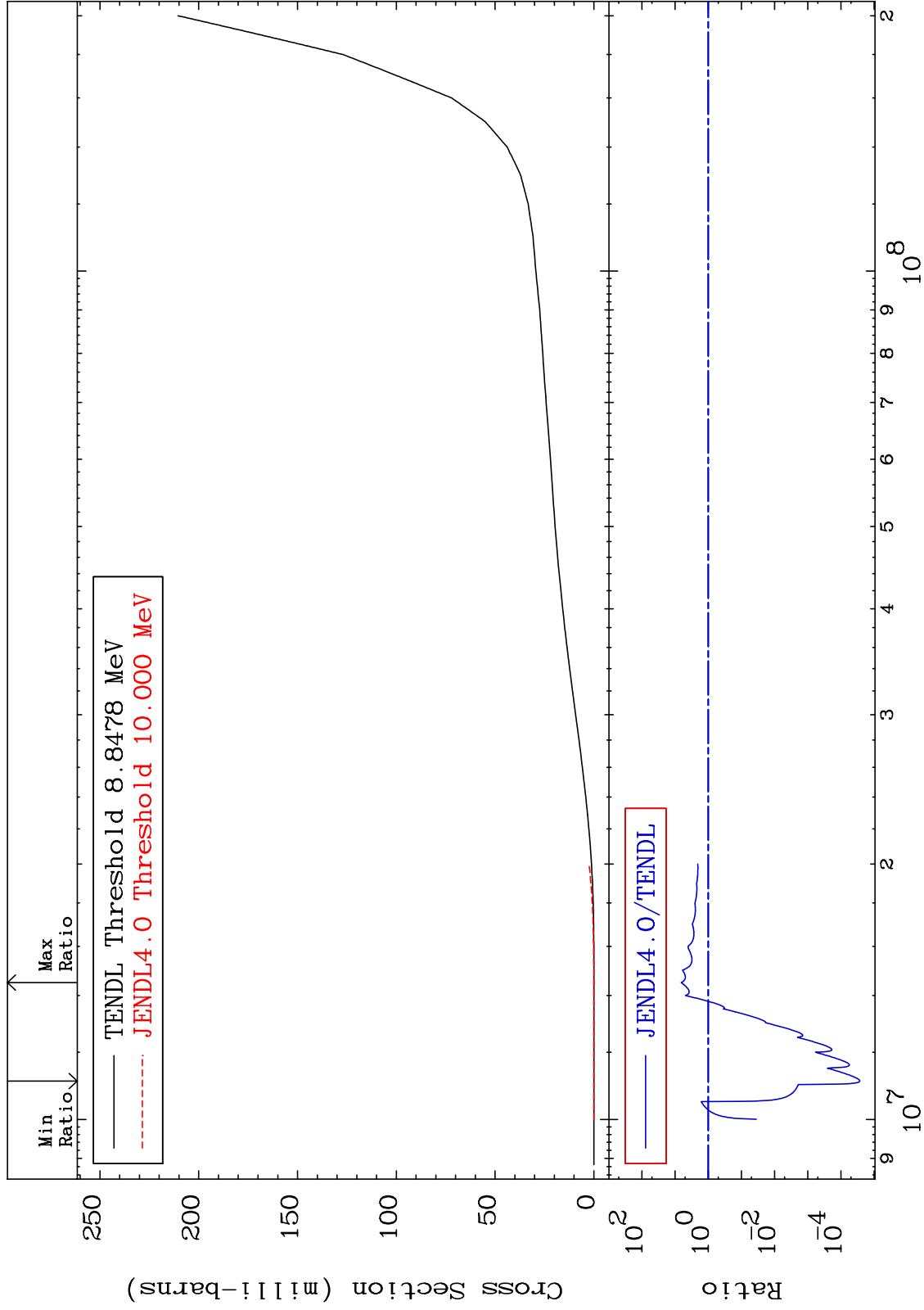
52-Te-122  
-100.0 To 16.61 %



MAT 5231

Tritium Production  
Cross Section

52-Te-122  
-100.0 To 554.4 %



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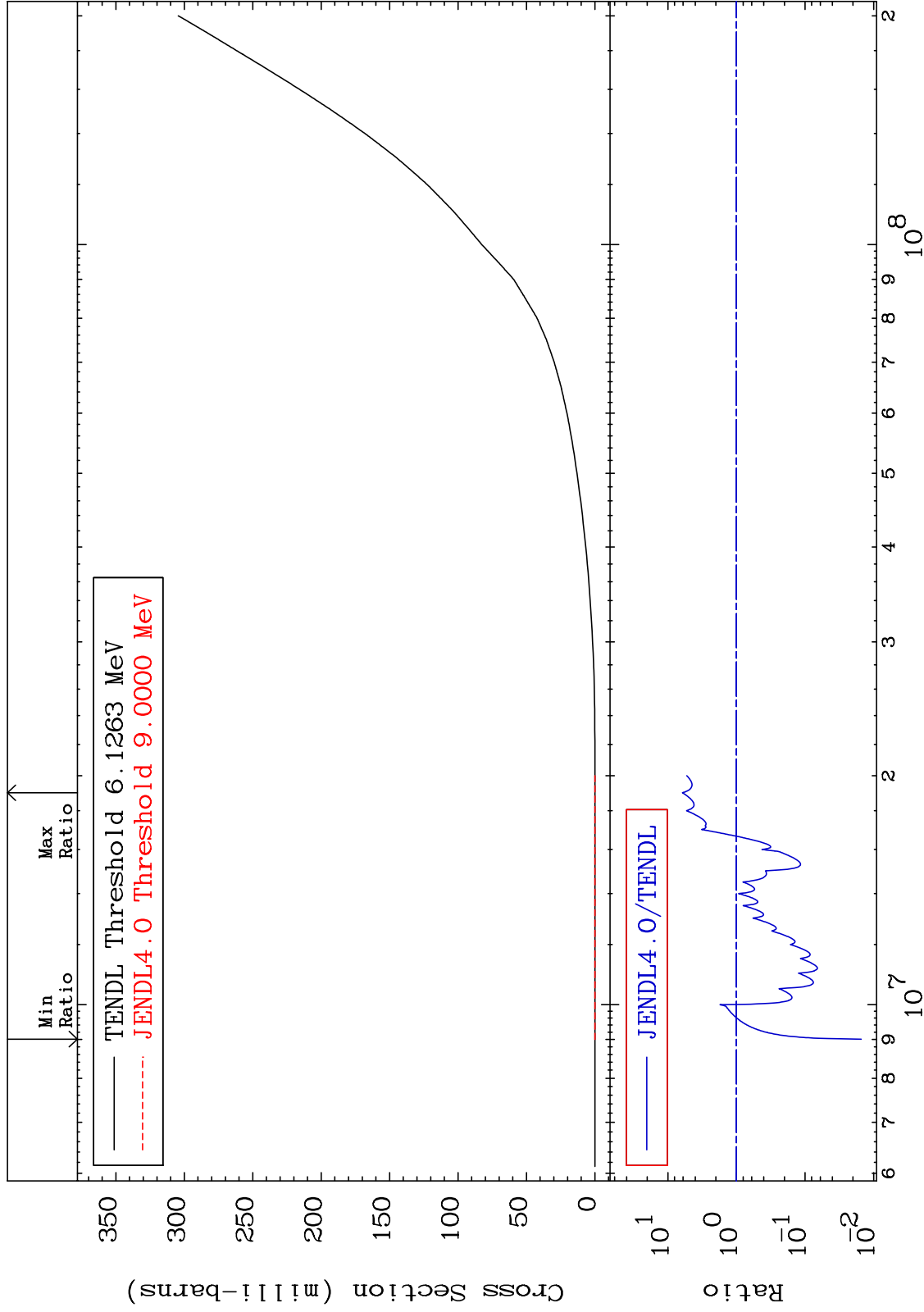
Incident Energy (eV)

52-Te-122

MAT 5231

He-3 Production  
Cross Section

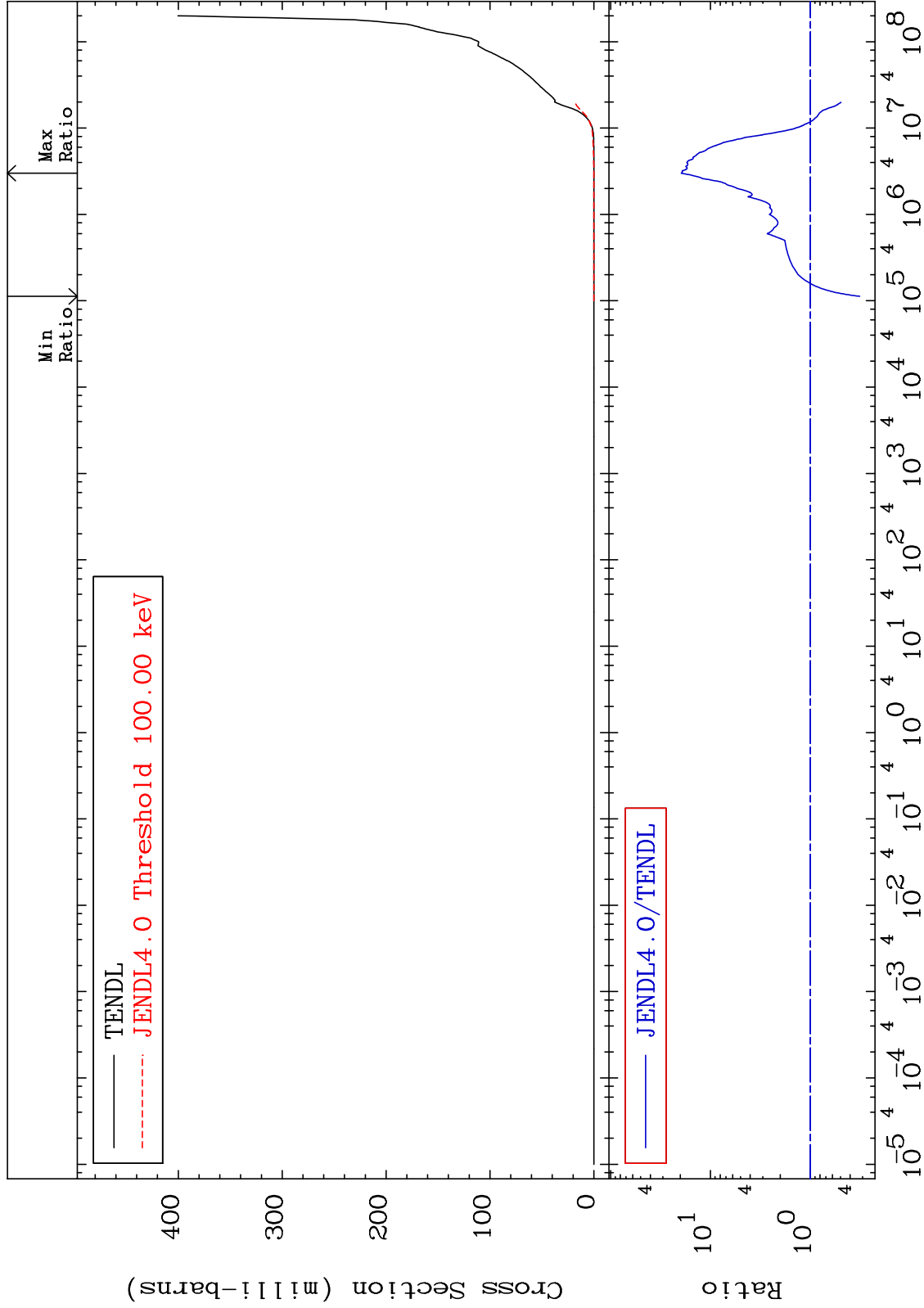
52-Te-122  
-98.49 To 513.6 %



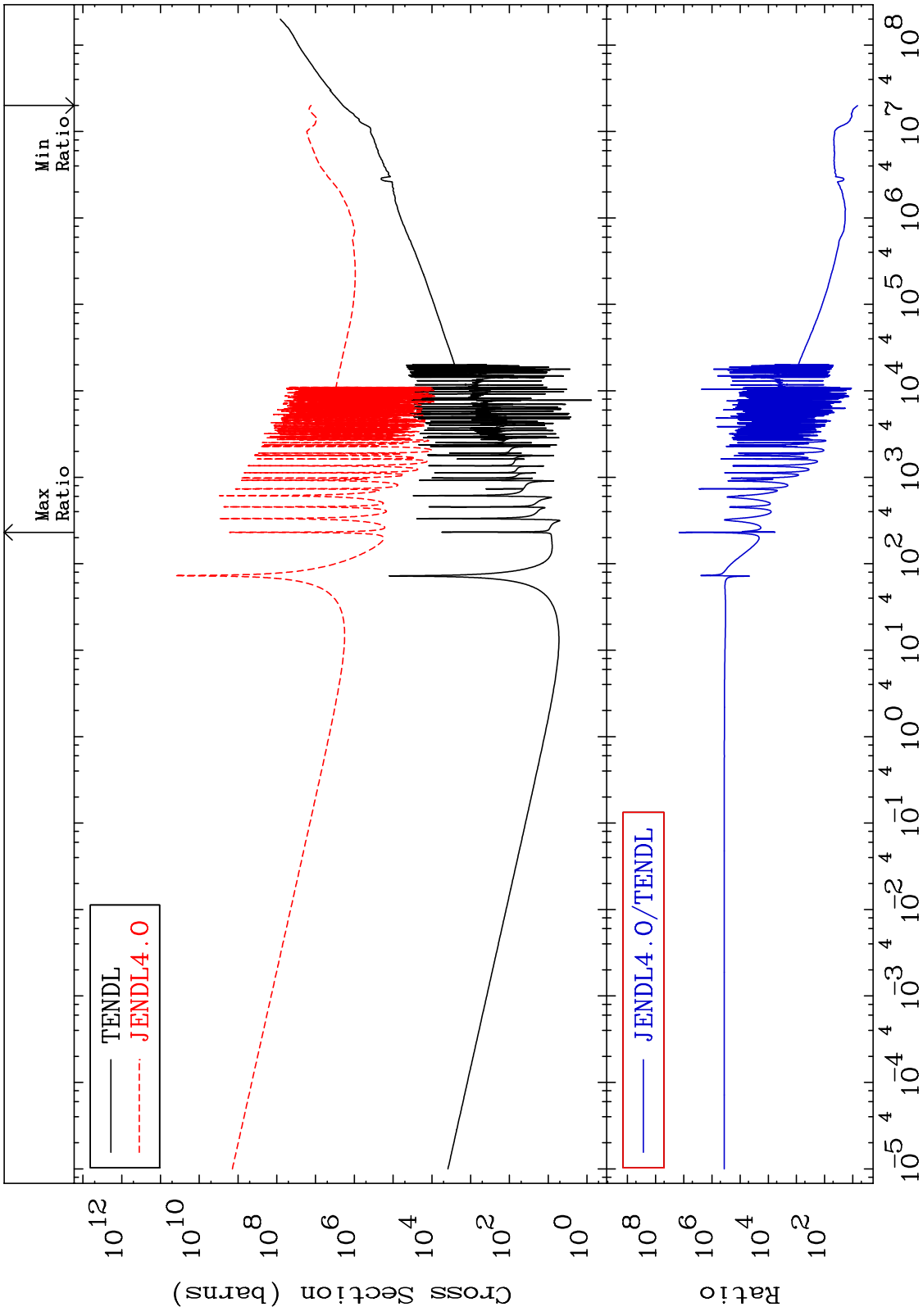
MAT 5231

He-4 Production  
Cross Section

52-Te-122  
-67.98 To 1862. %



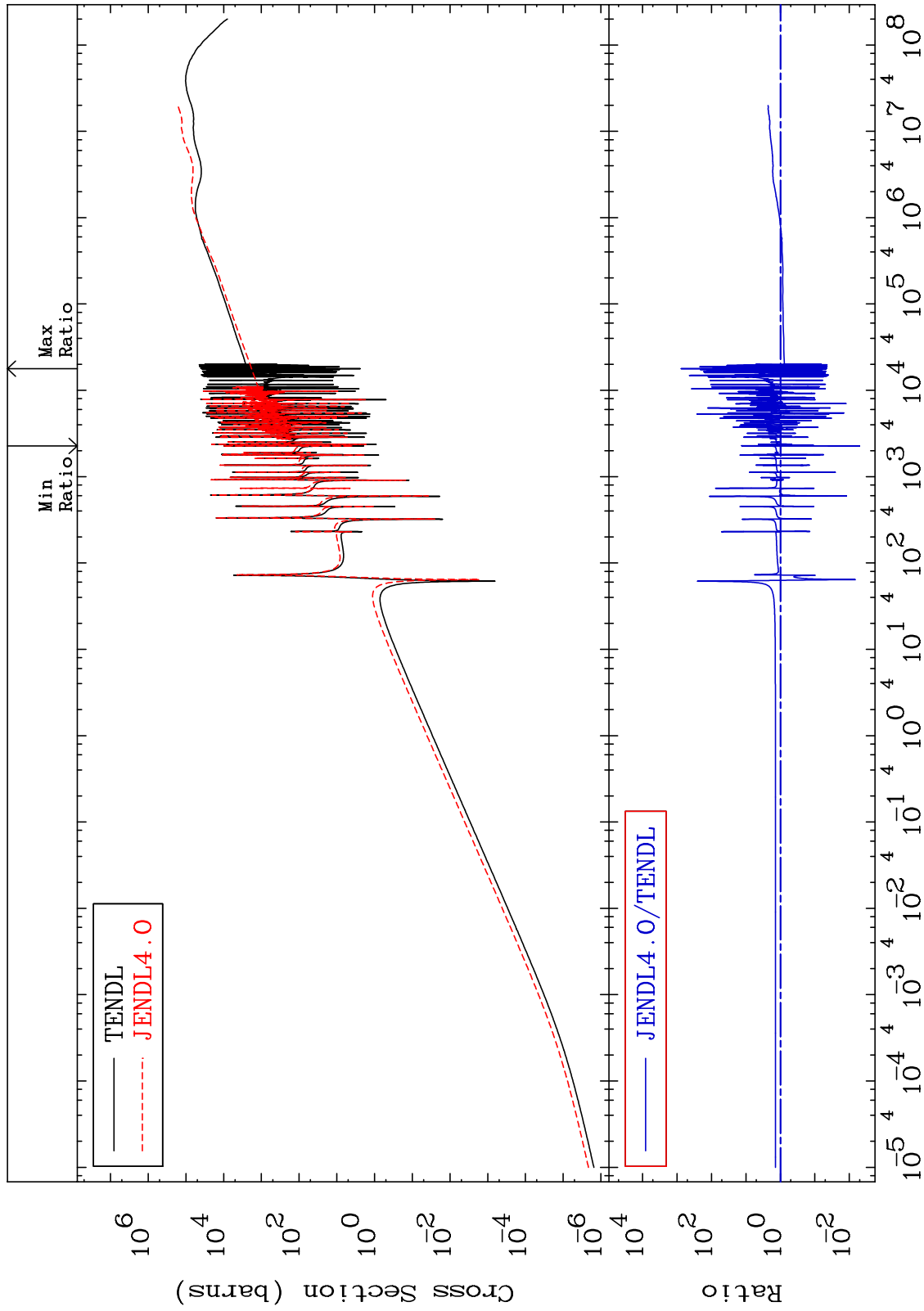
MAT 5231      Kerma total (eV-barns)      52-Te-122      564.2 To 9999. %  
 Cross Section



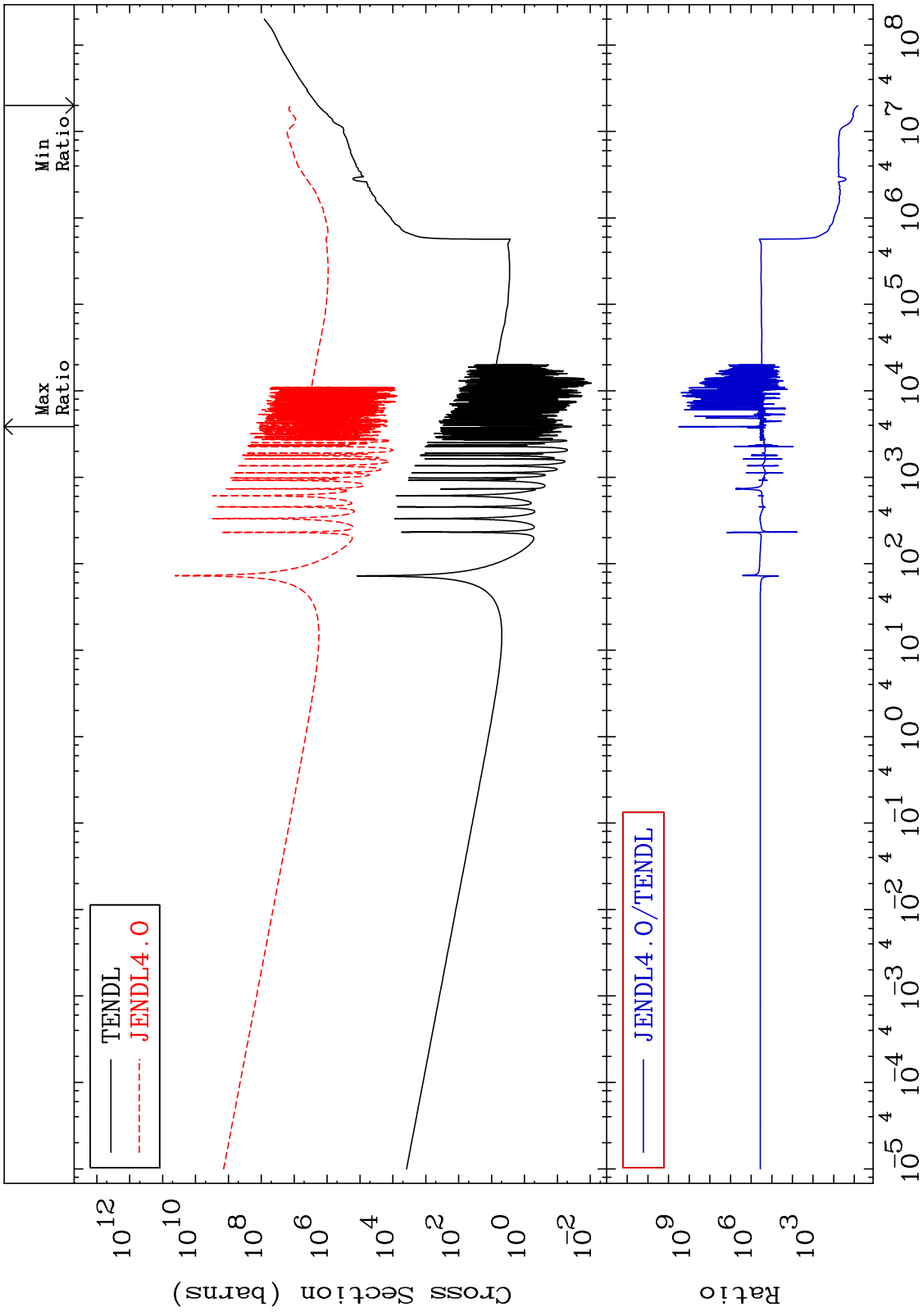
MAT 5231

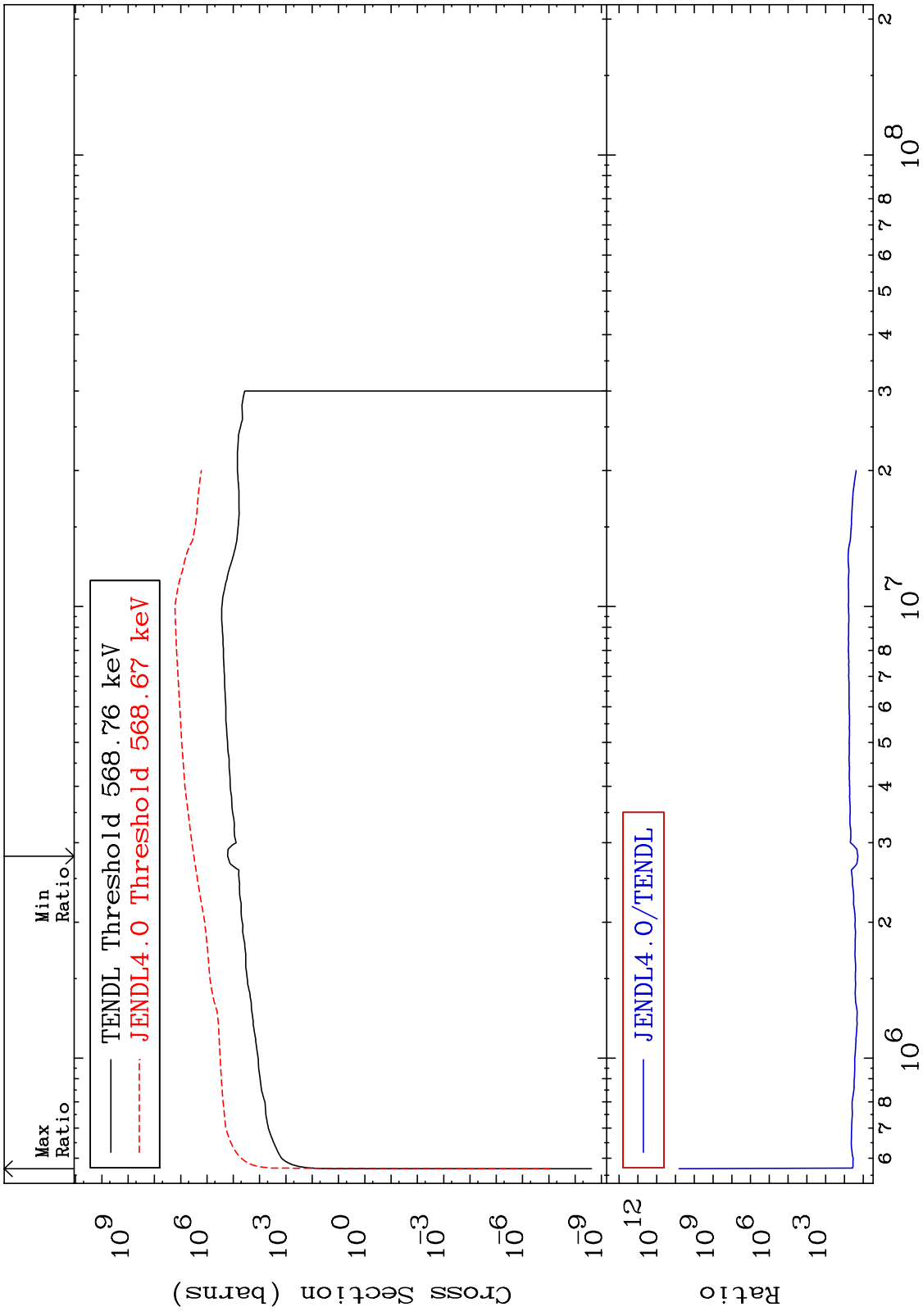
Kerma elastic  
Cross Section

52-Te-122  
-99.50 To 9999. %



MAT 5231 Kerma non-elastic (all but mt2) 52-Te-122  
 Cross Section 580.8 To 9999. %

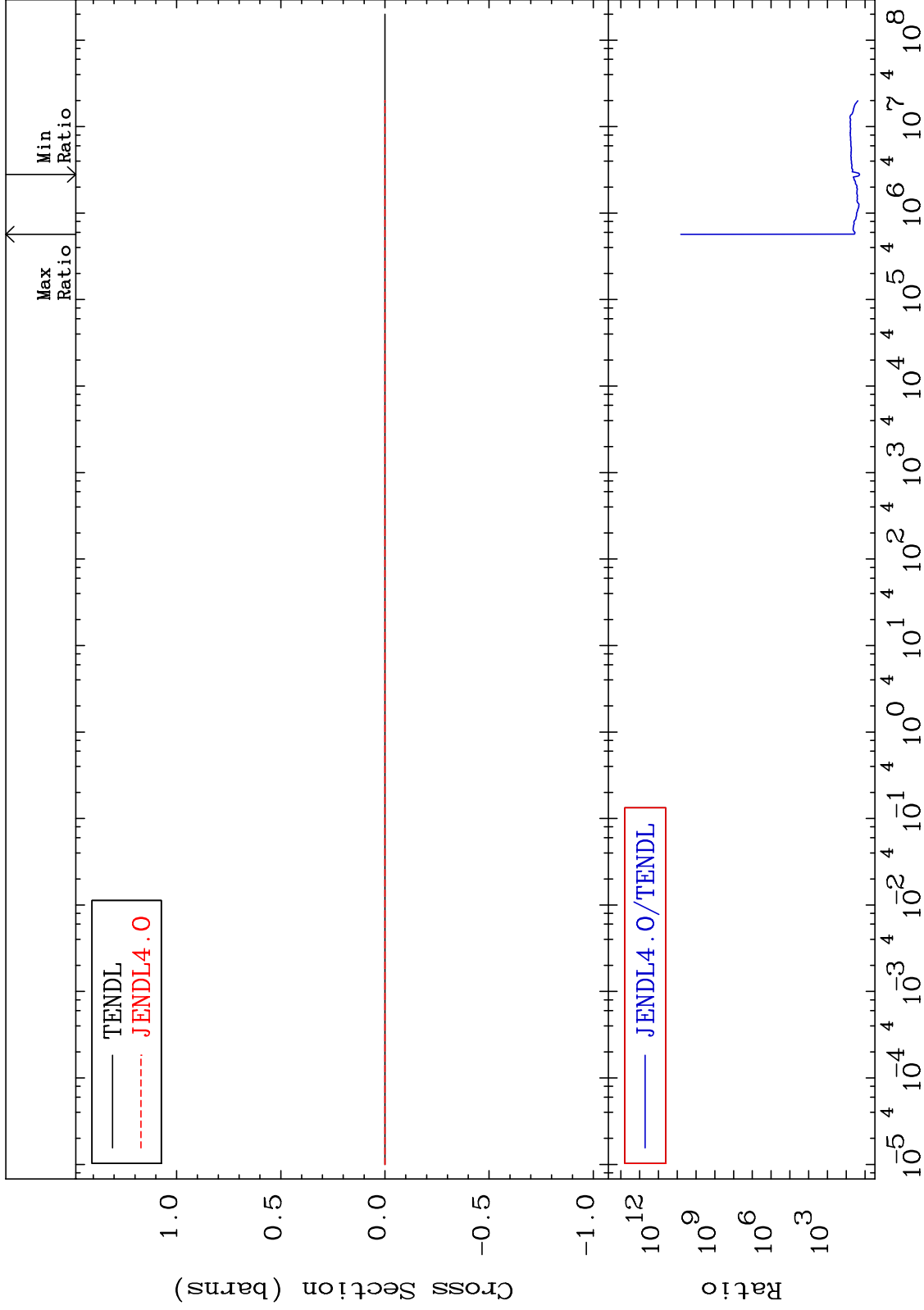




MAT 5231

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

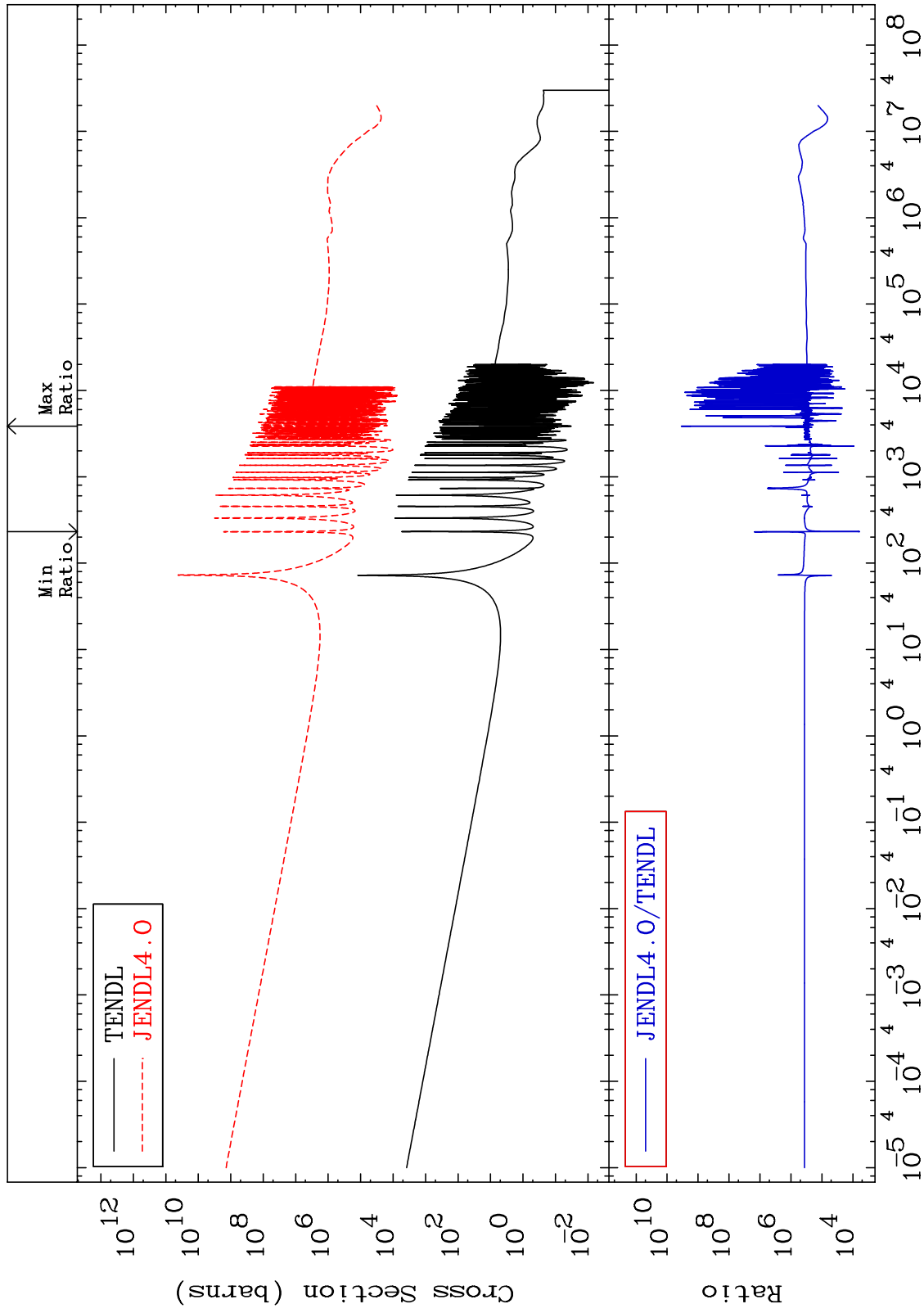
52-Te-122  
1820. To 9999. %



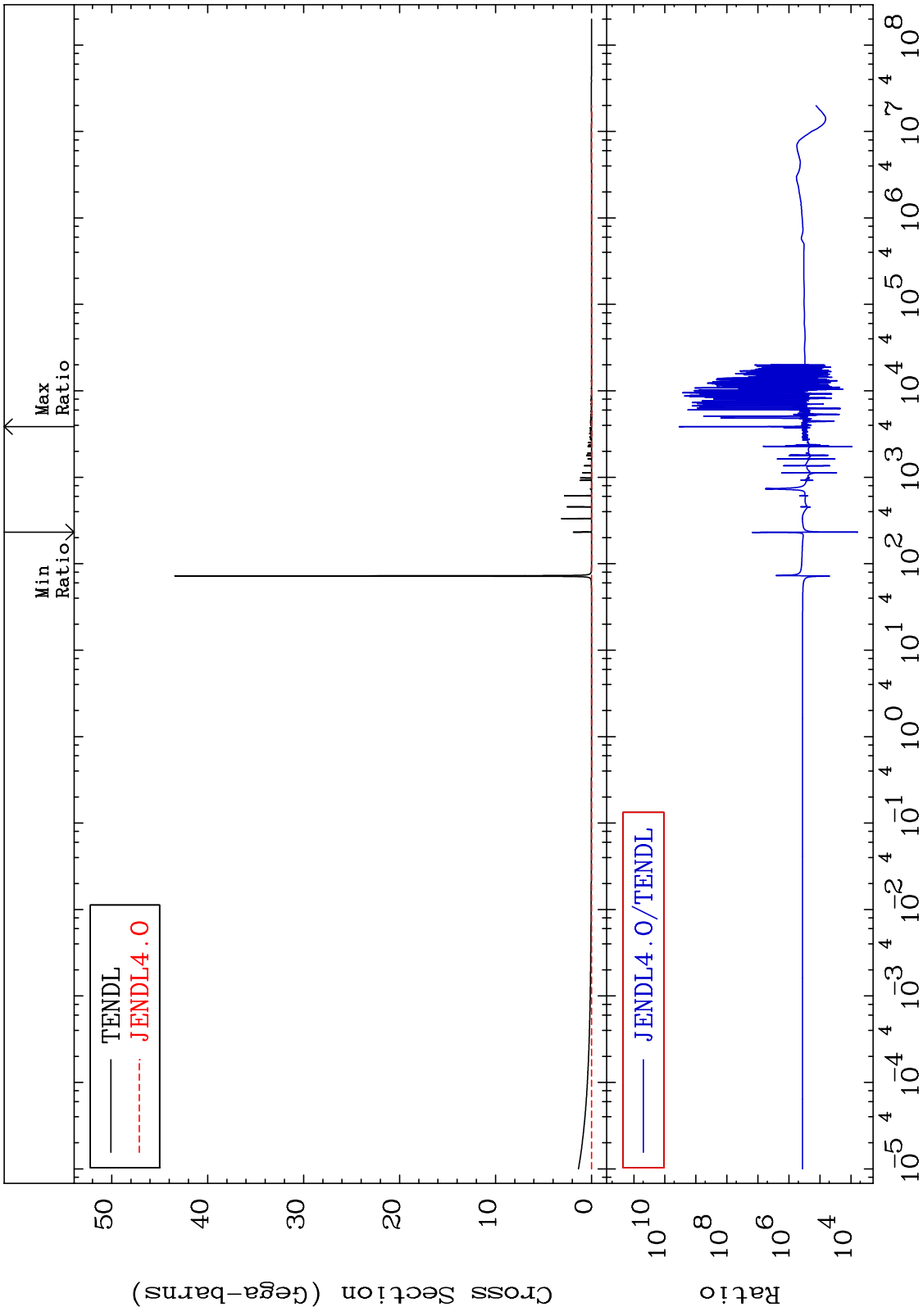
MAT 5231

Kerma capture (mt102)  
Cross Section

52-Te-122  
9999. To 9999. %

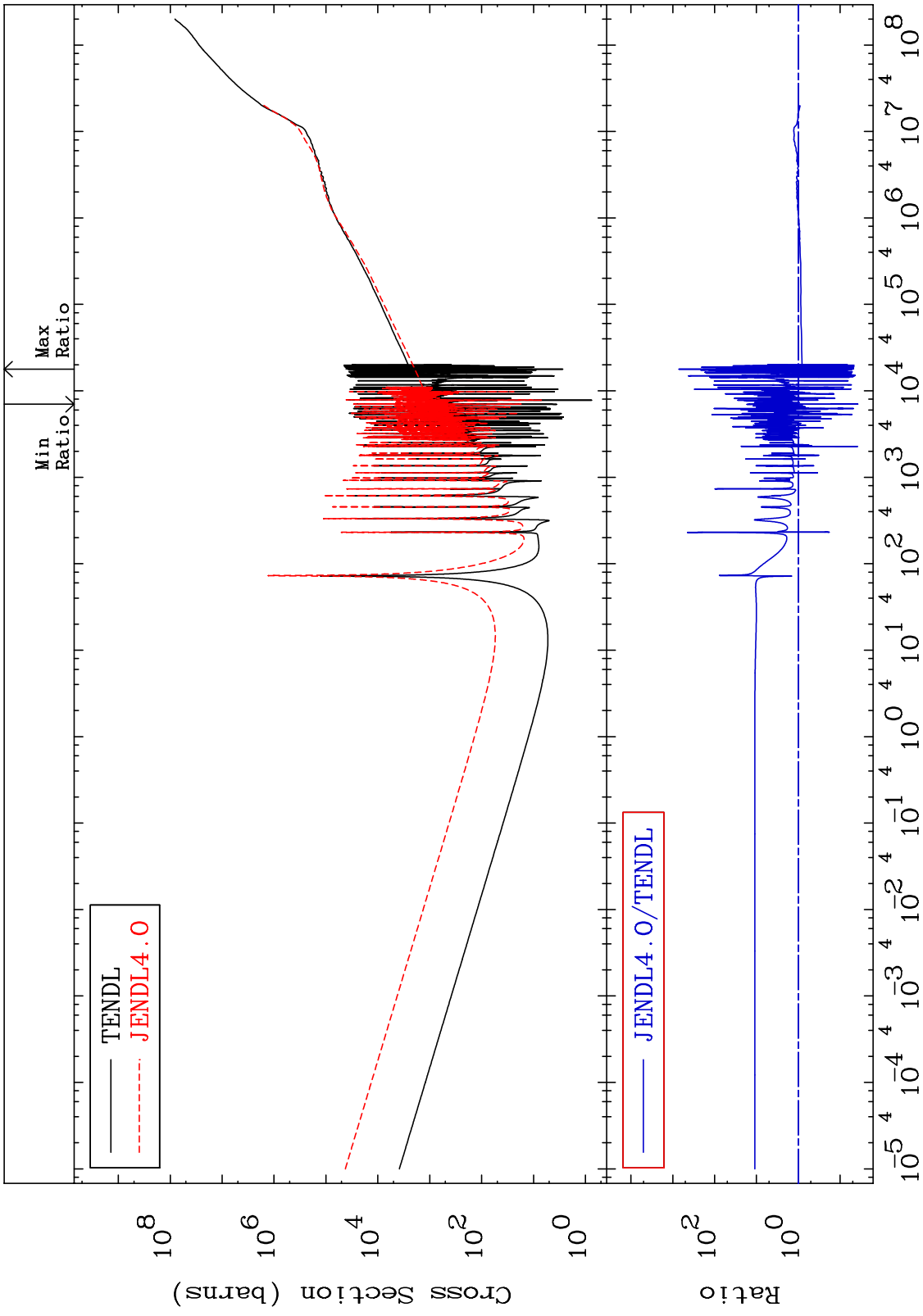


MAT 5231 Total photon (eV-barns) 52-Te-122  
 Cross Section 9999. To 9999. %

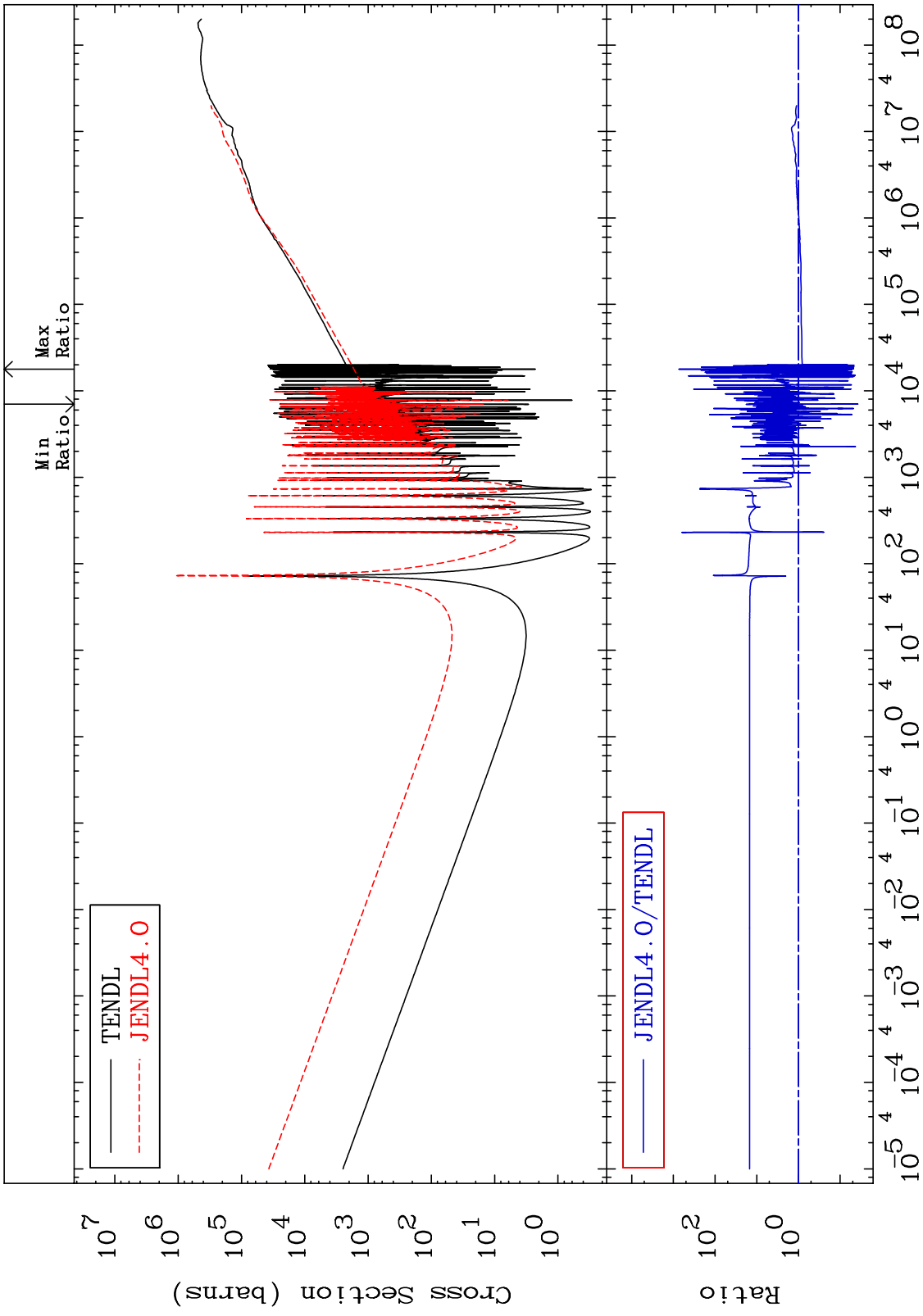


31 Incident Energy (eV) 52-Te-122

MAT 5231 Total kinematic kerma (high limit) 52-Te-122  
Cross Section -96.23 To 9999. %



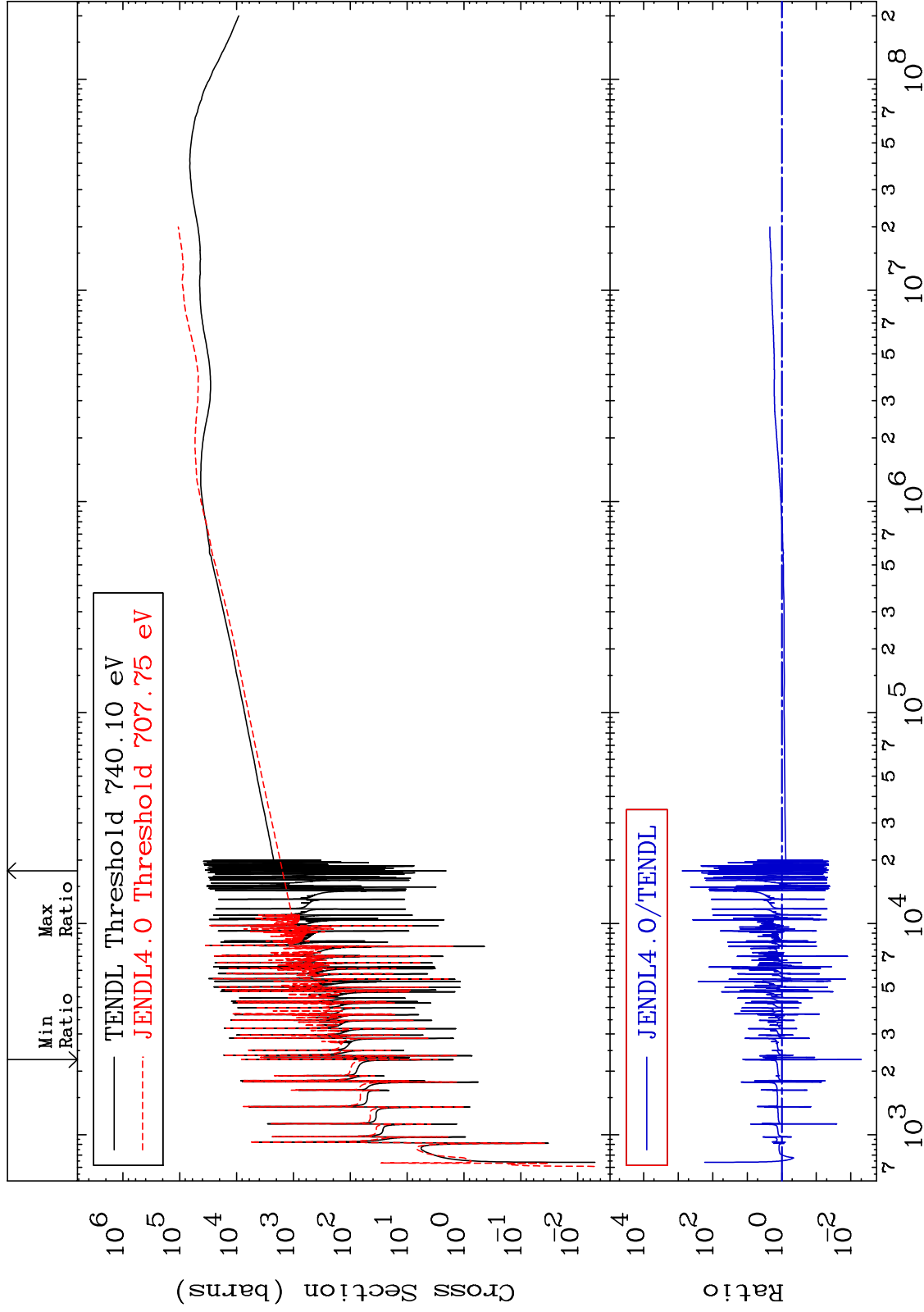
MAT 5231      Dpa total (eV-barns)      52-Te-122  
 Cross Section      -96.23 To 9999. %



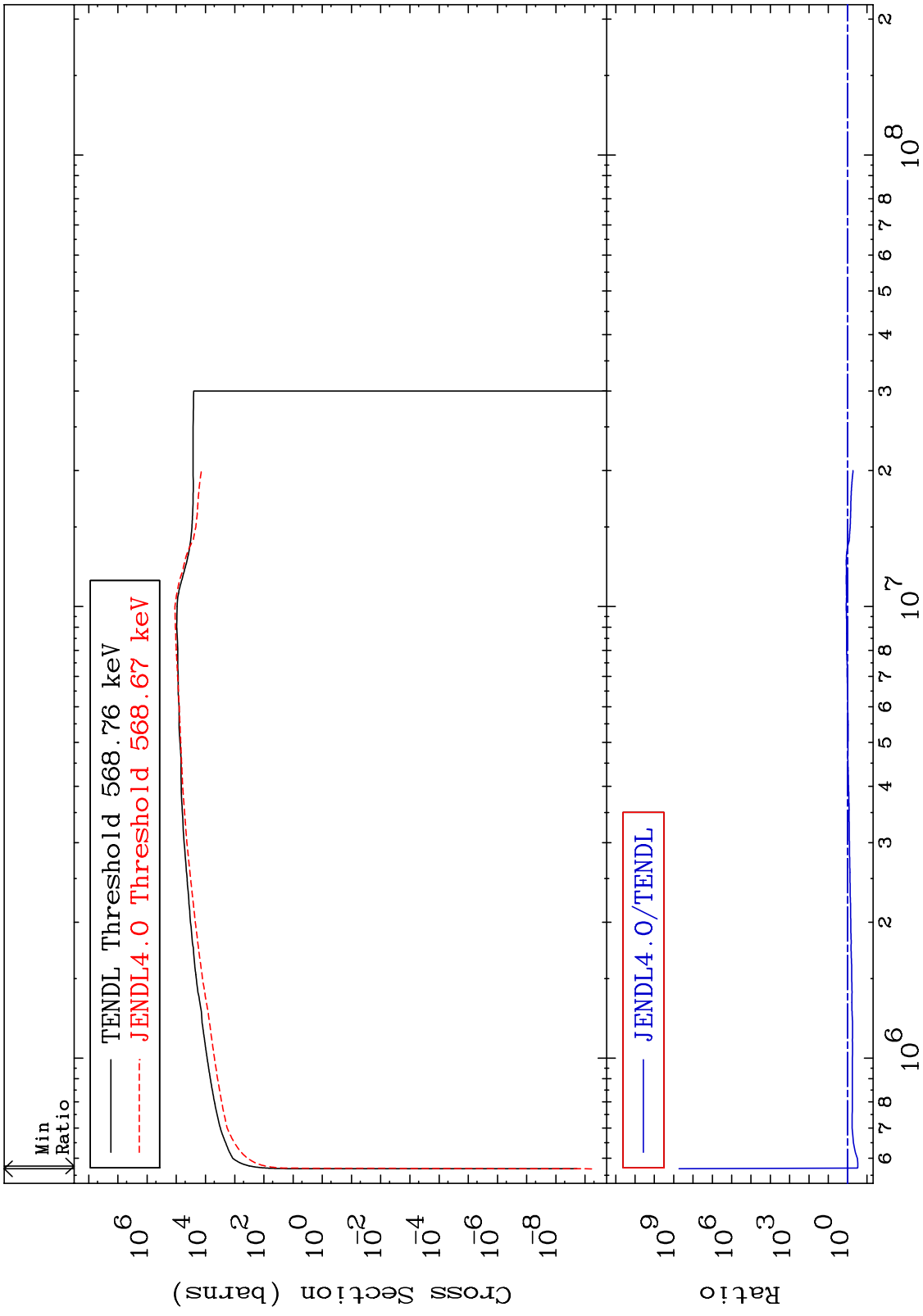
MAT 5231

Dpa elastic (mt2)  
Cross Section

52-Te-122  
-99.50 To 9999. %



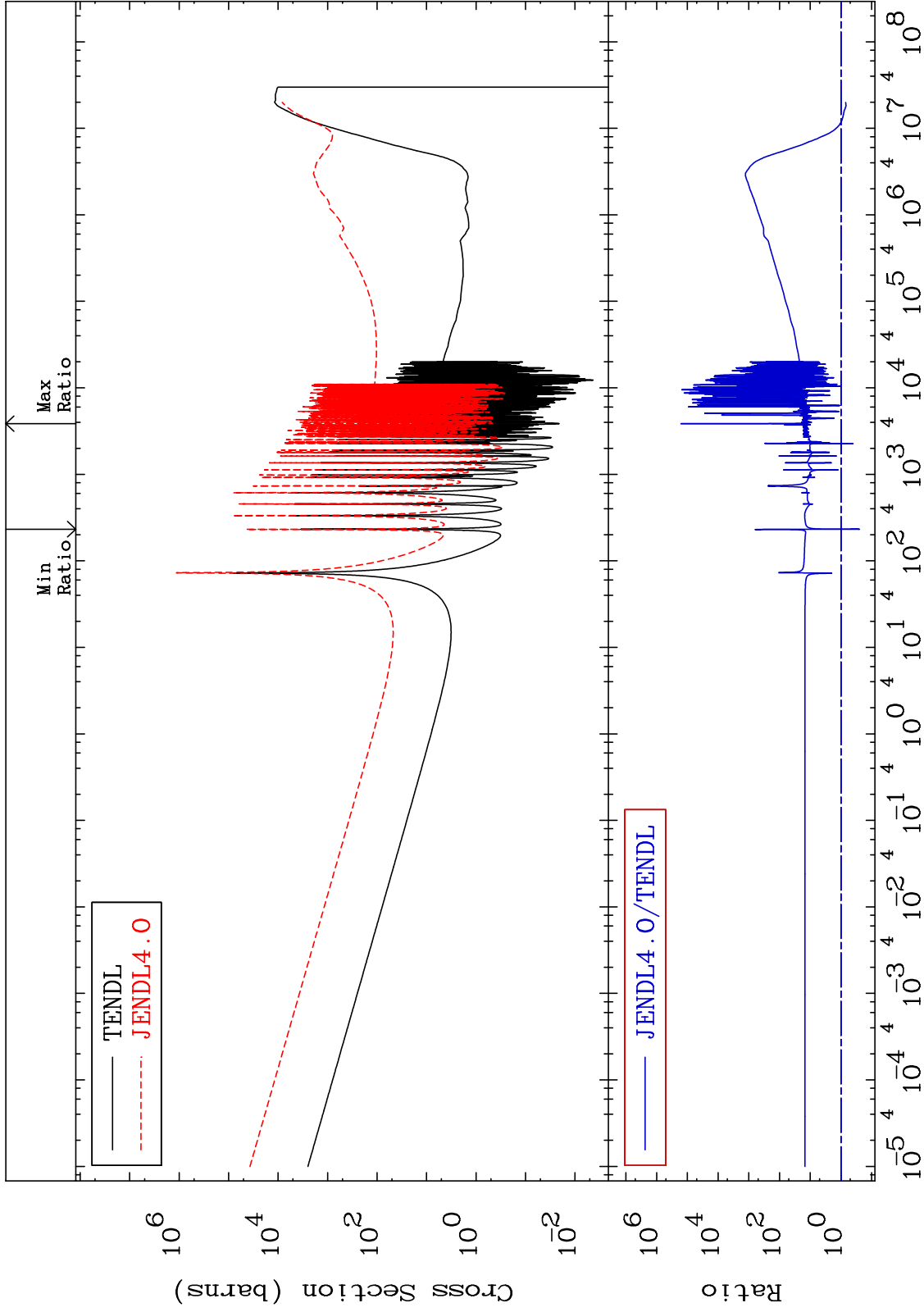
MAT 5231      Dpa inelastic (mt51-91)      52-Te-122  
 Cross Section      -70.54 To 9999. %



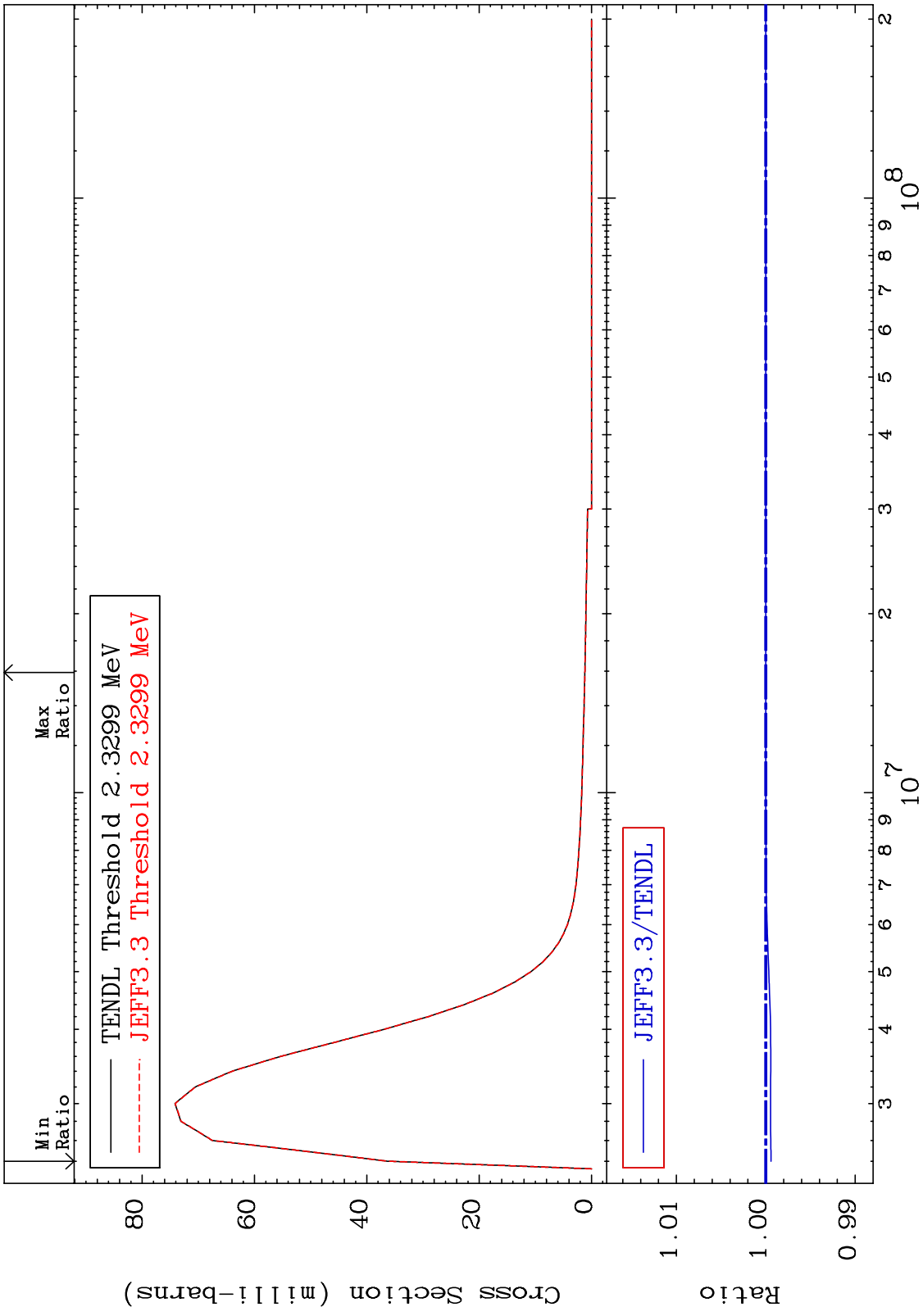
MAT 5231

Dpa disappearance (mt102 -120)  
Cross Section

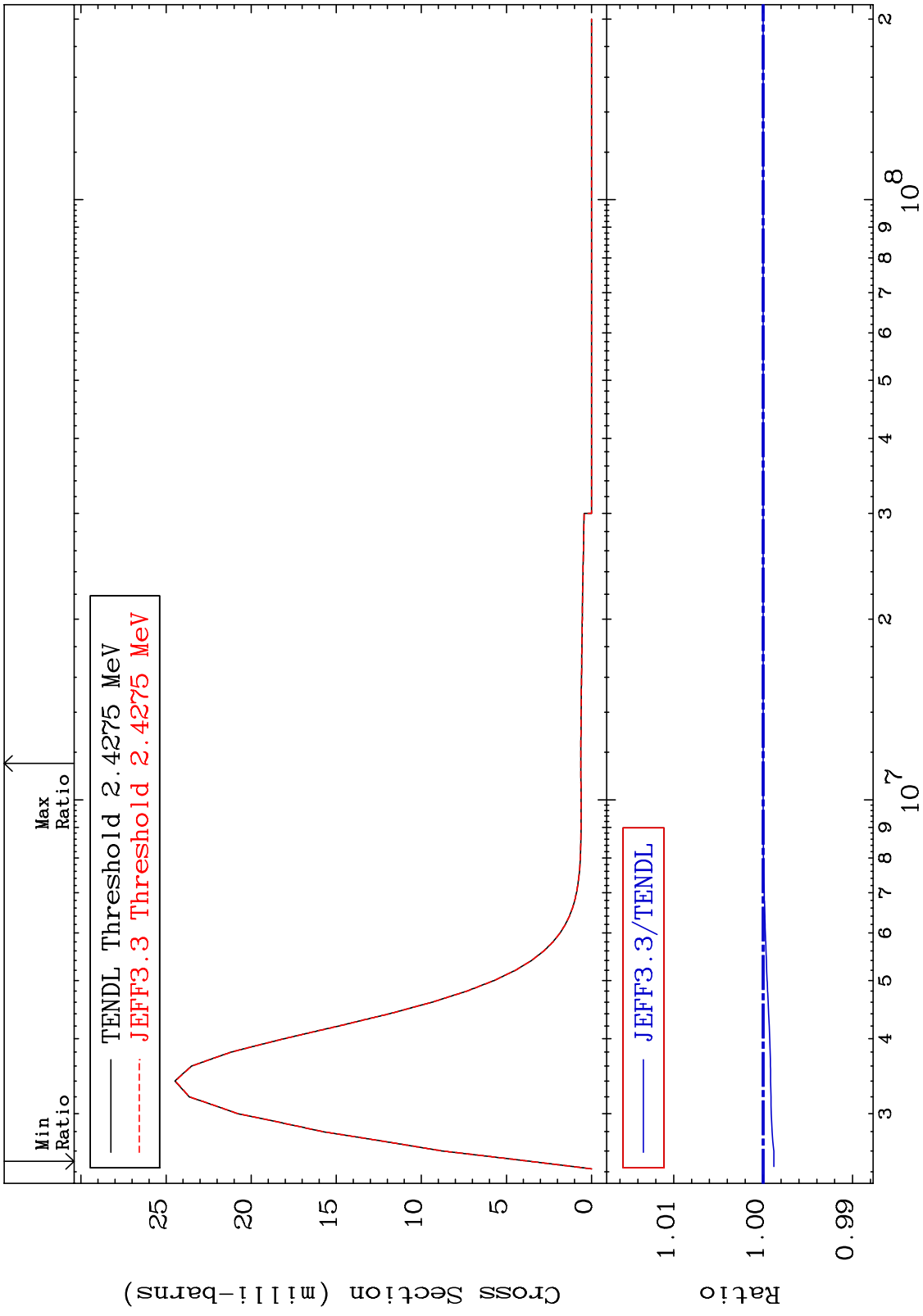
52-Te-122  
-75.38 To 9999. %



MAT 5231 MT= 68 (n,n') Level Cross Section 52-Te-122 -0.059 To 0.000 %



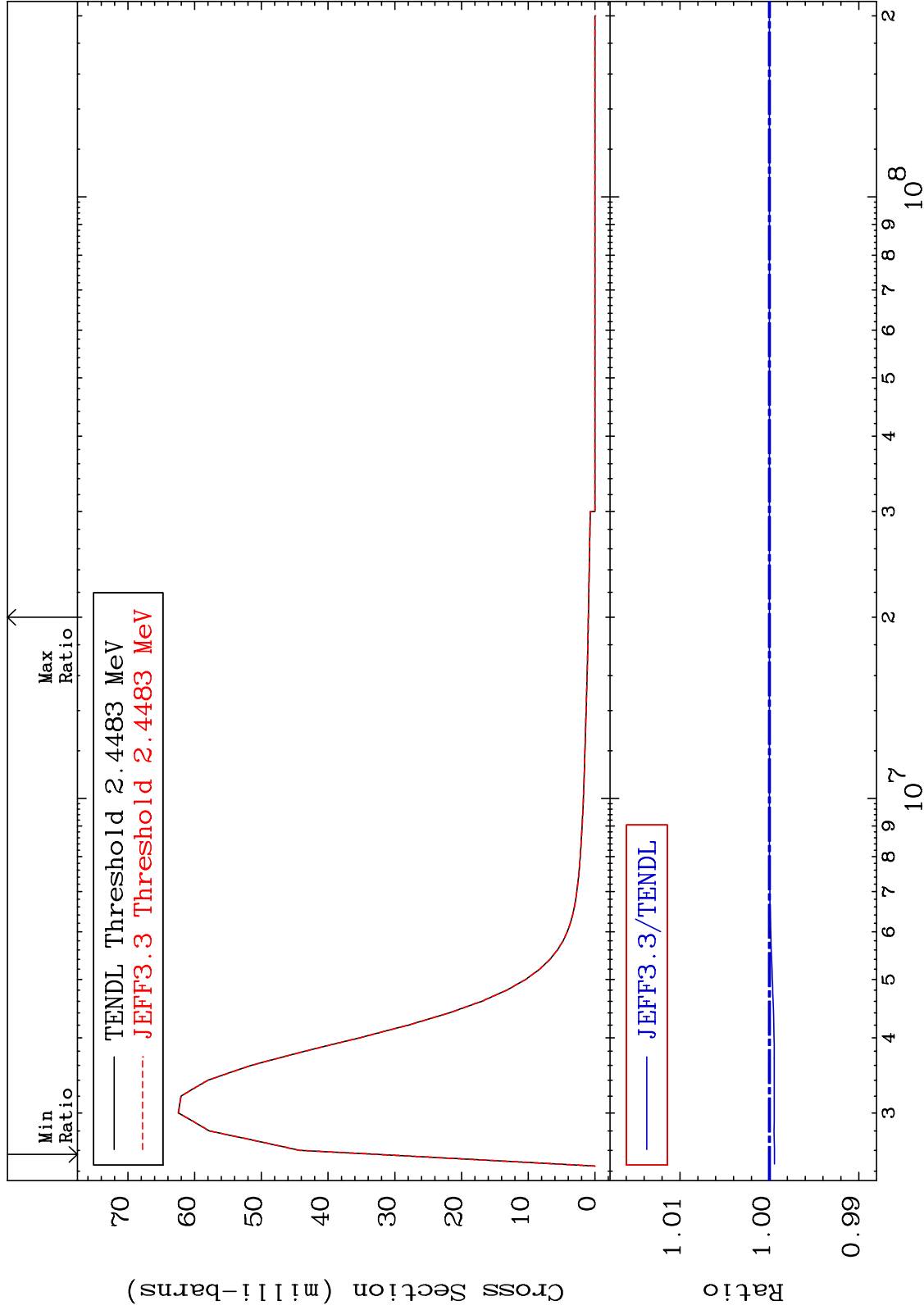
MAT 5231 MT= 69 (n,n') Level Cross Section 52-Te-122 -0.119 To 0.000 %



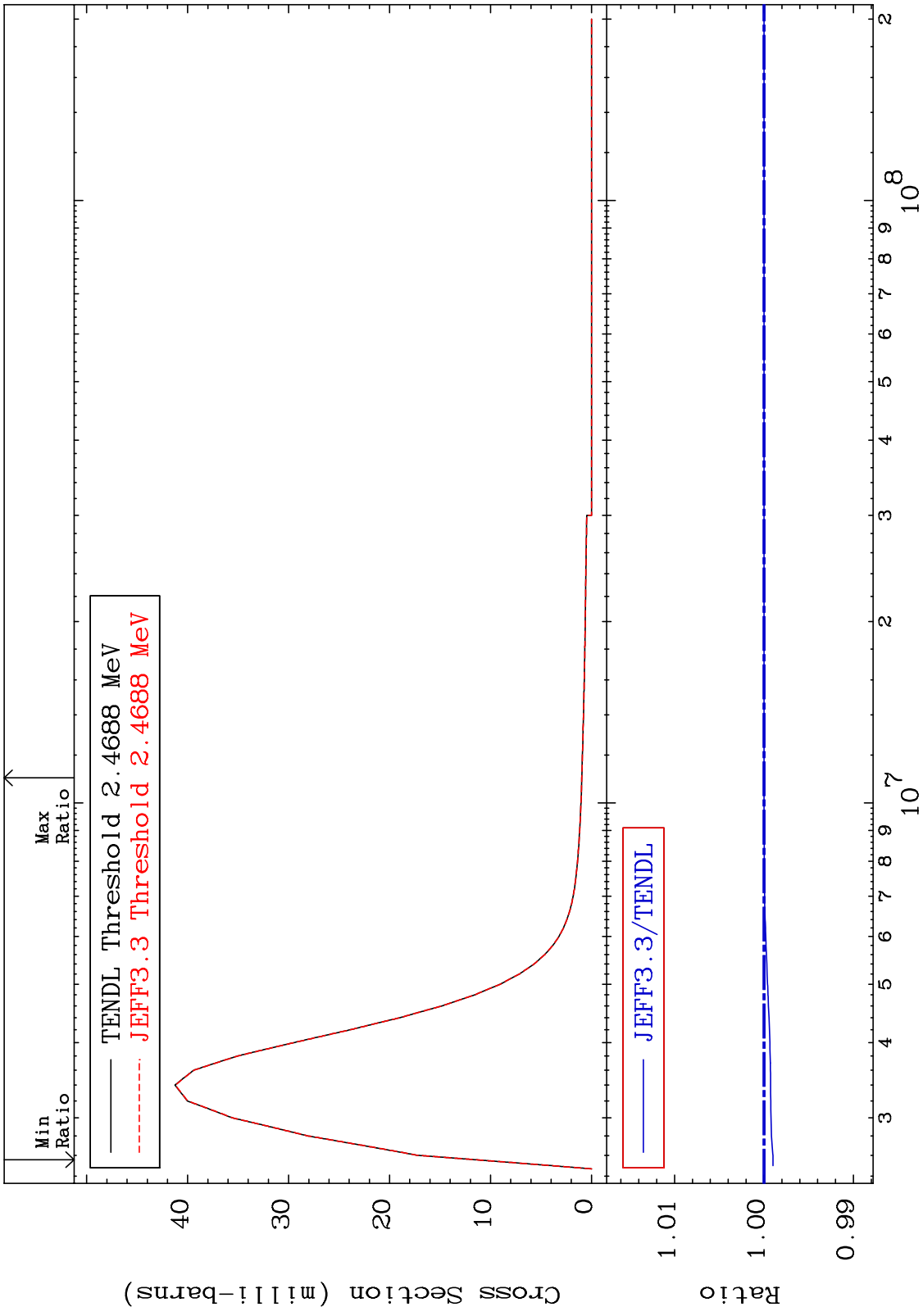
MAT 5231

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

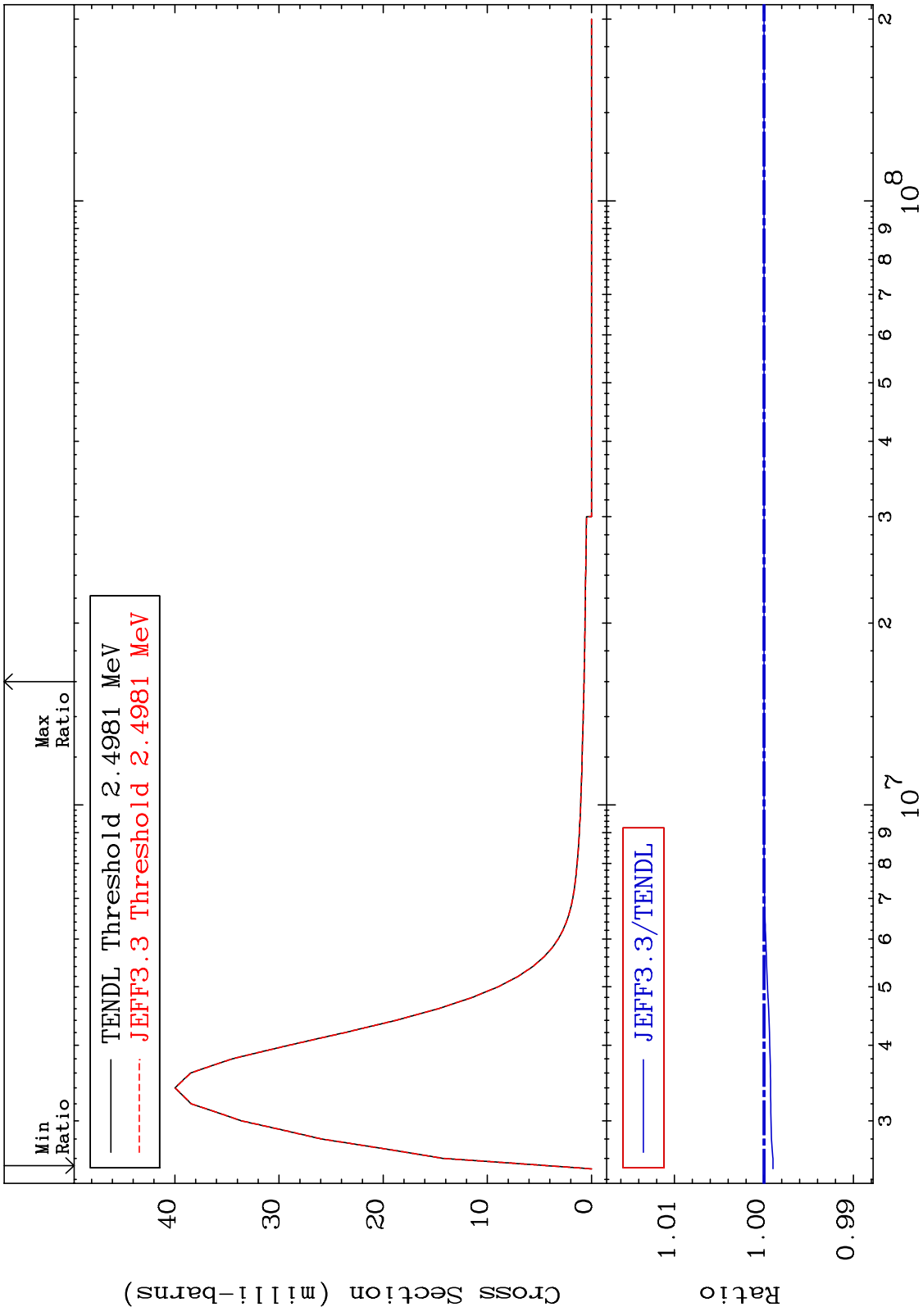
52-Te-122  
-0.056 To 0.000 %



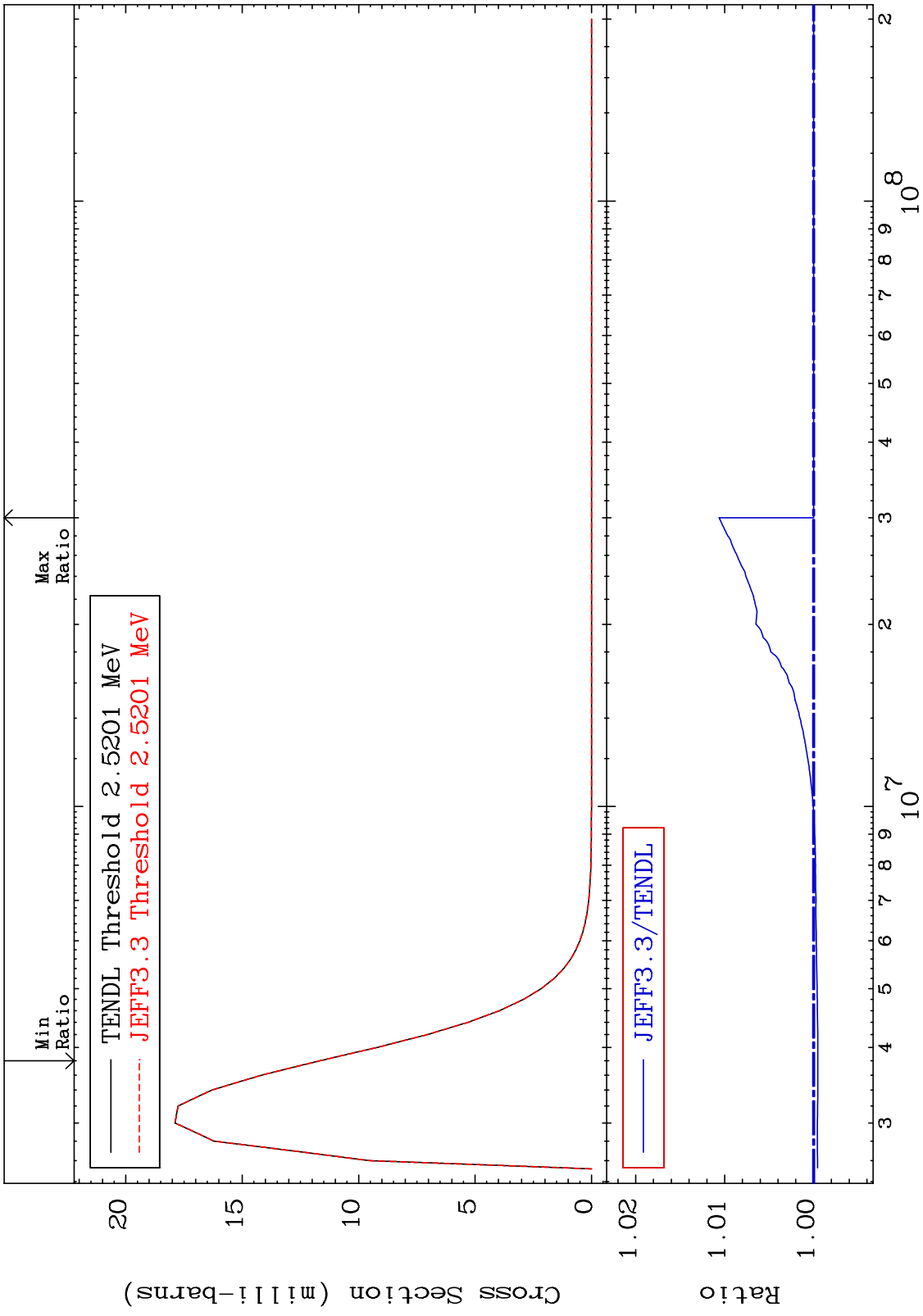
MAT 5231 MT= 71 (n,n') Level Cross Section 52-Te-122  
 -0.100 To 0.000 %



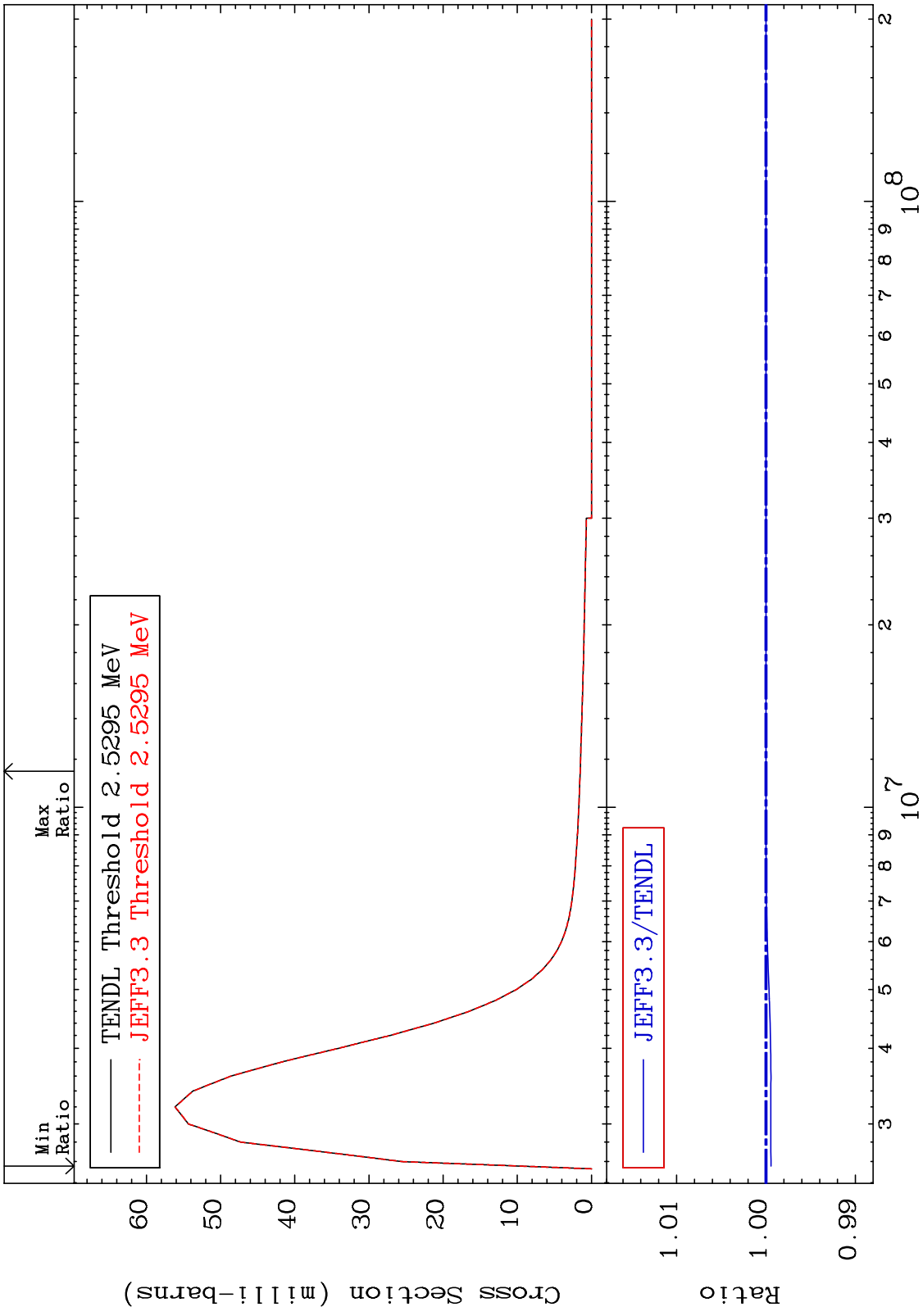
MAT 5231 MT= 72 (n,n') Level Cross Section 52-Te-122  
 -0.101 To 0.000 %



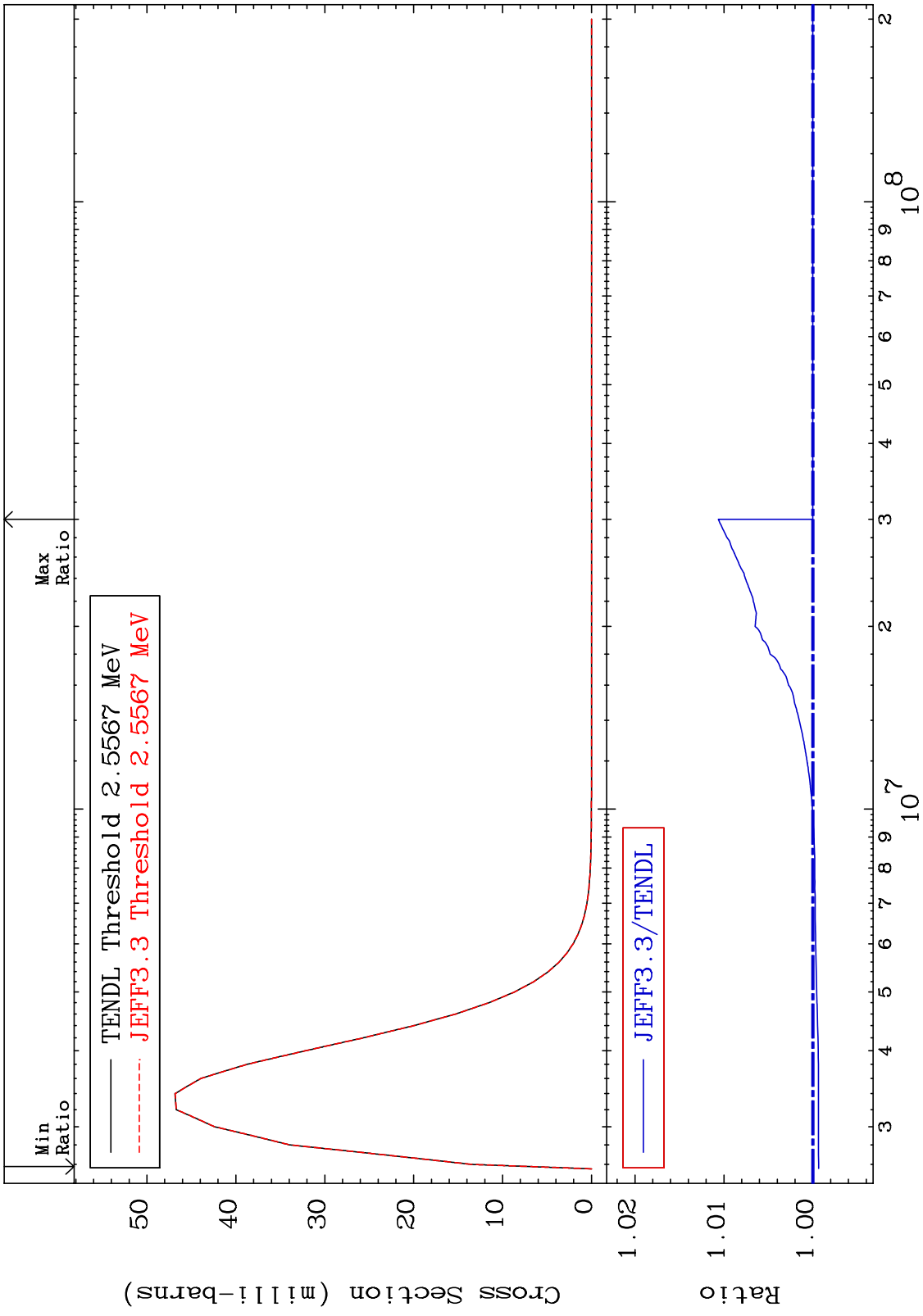
MAT 5231 MT= 73 (n,n') Level Cross Section 52-Te-122  
 -0.048 To 1.063 %



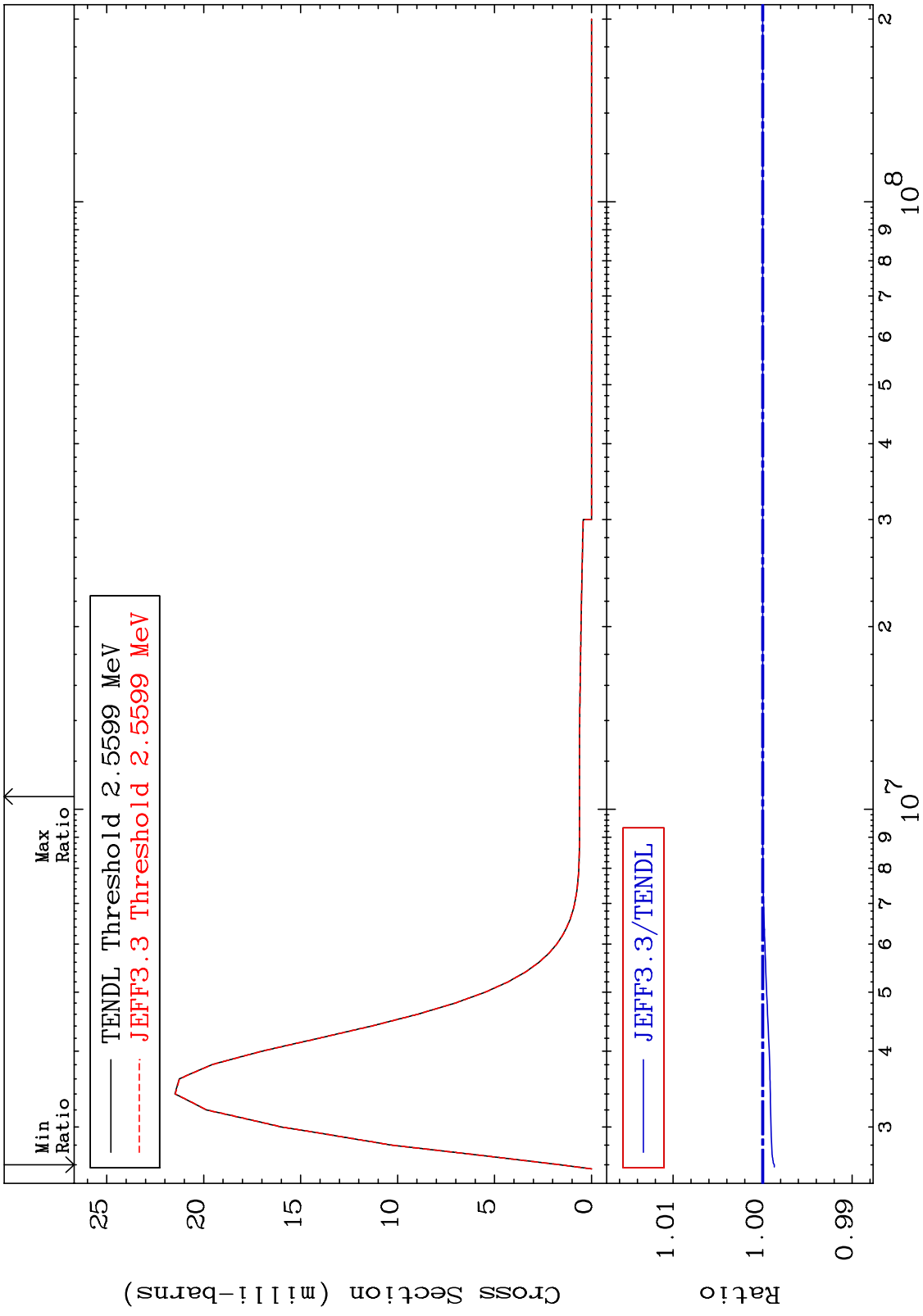
MAT 5231 MT= 74 (n,n') Level Cross Section 52-Te-122 -0.055 To 0.000 %



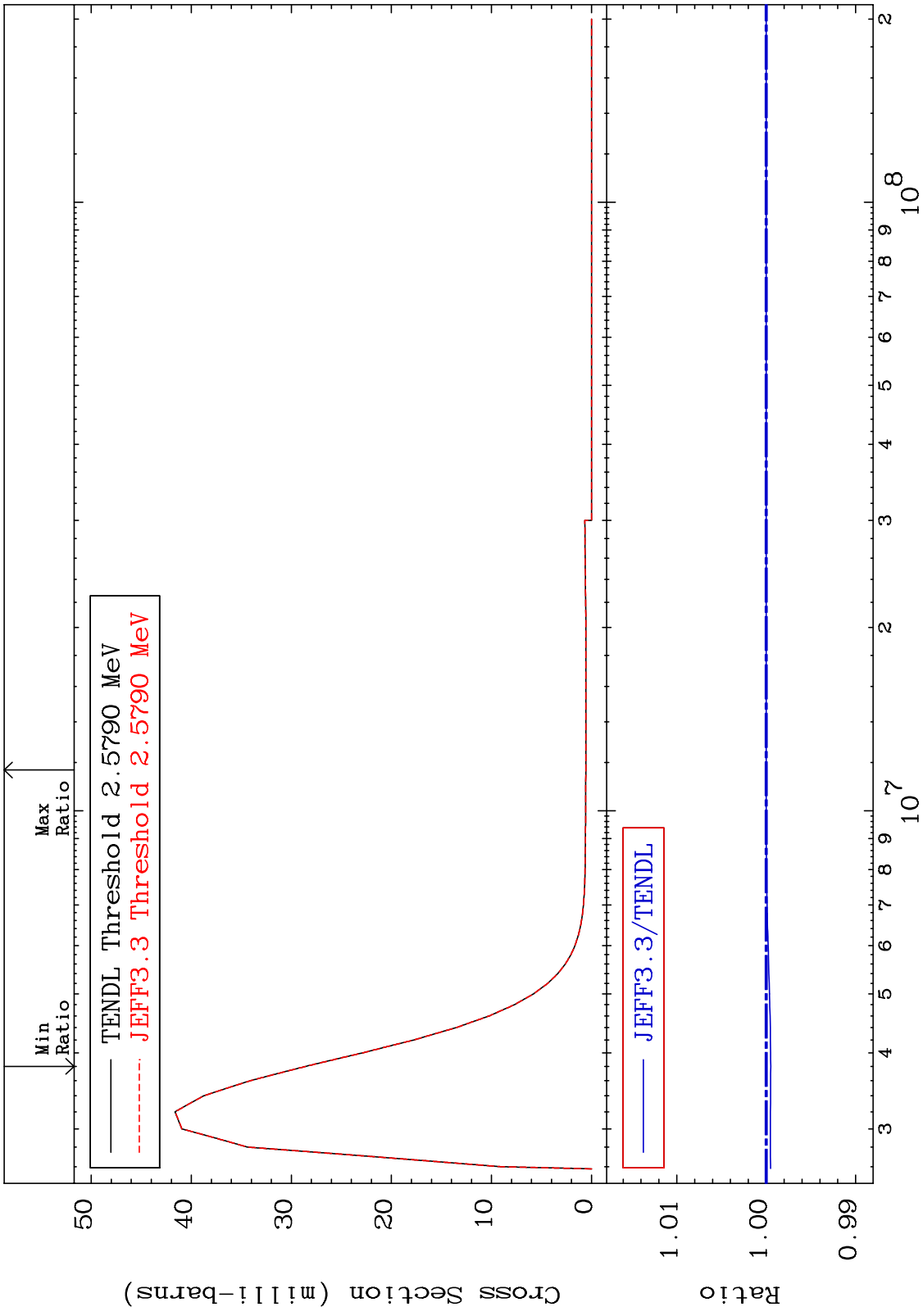
MAT 5231 MT= 75 (n,n') Level Cross Section 52-Te-122  
 -0.065 To 1.063 %



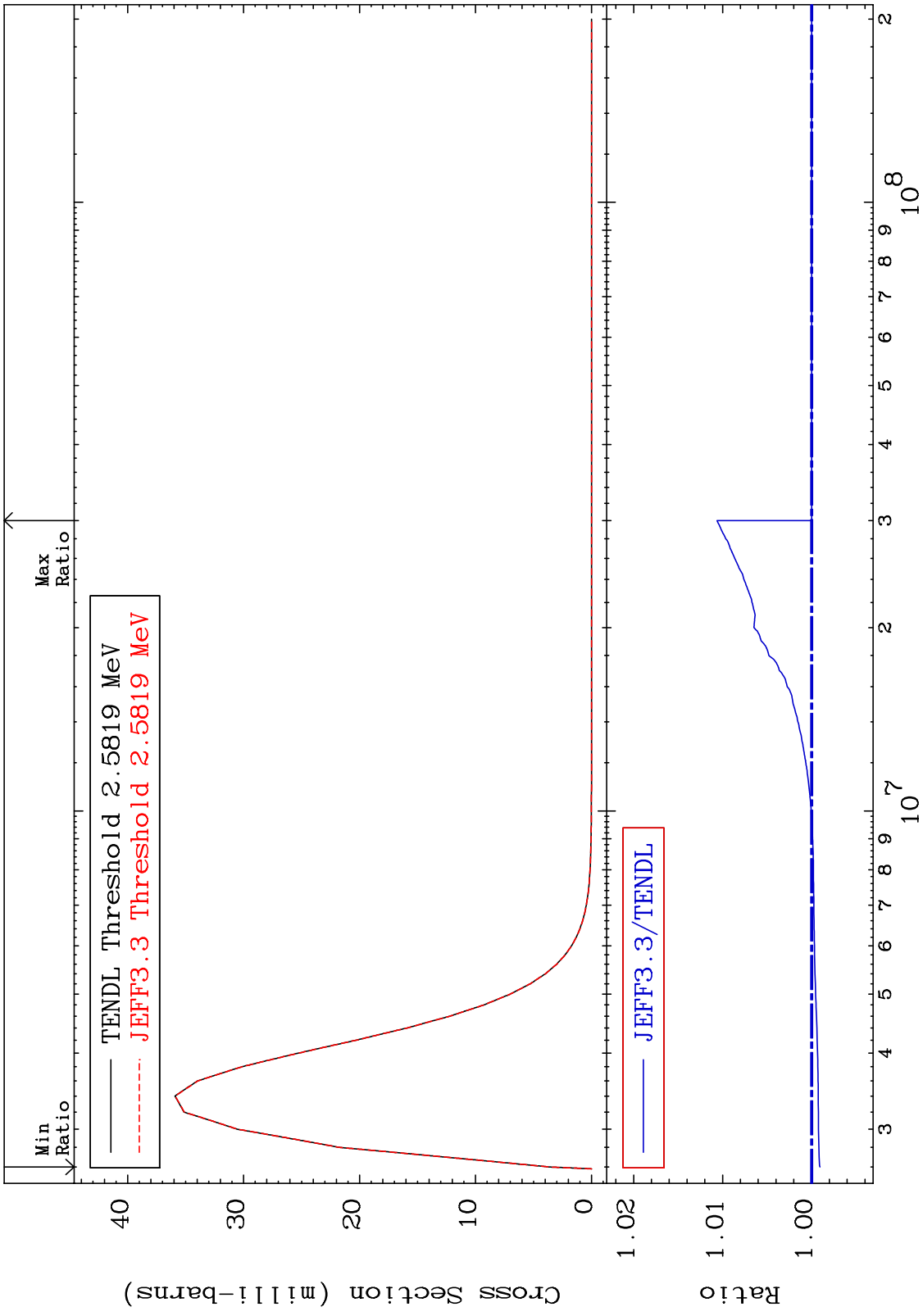
MAT 5231 MT= 76 (n,n') Level Cross Section 52-Te-122 -0.130 To 0.000 %



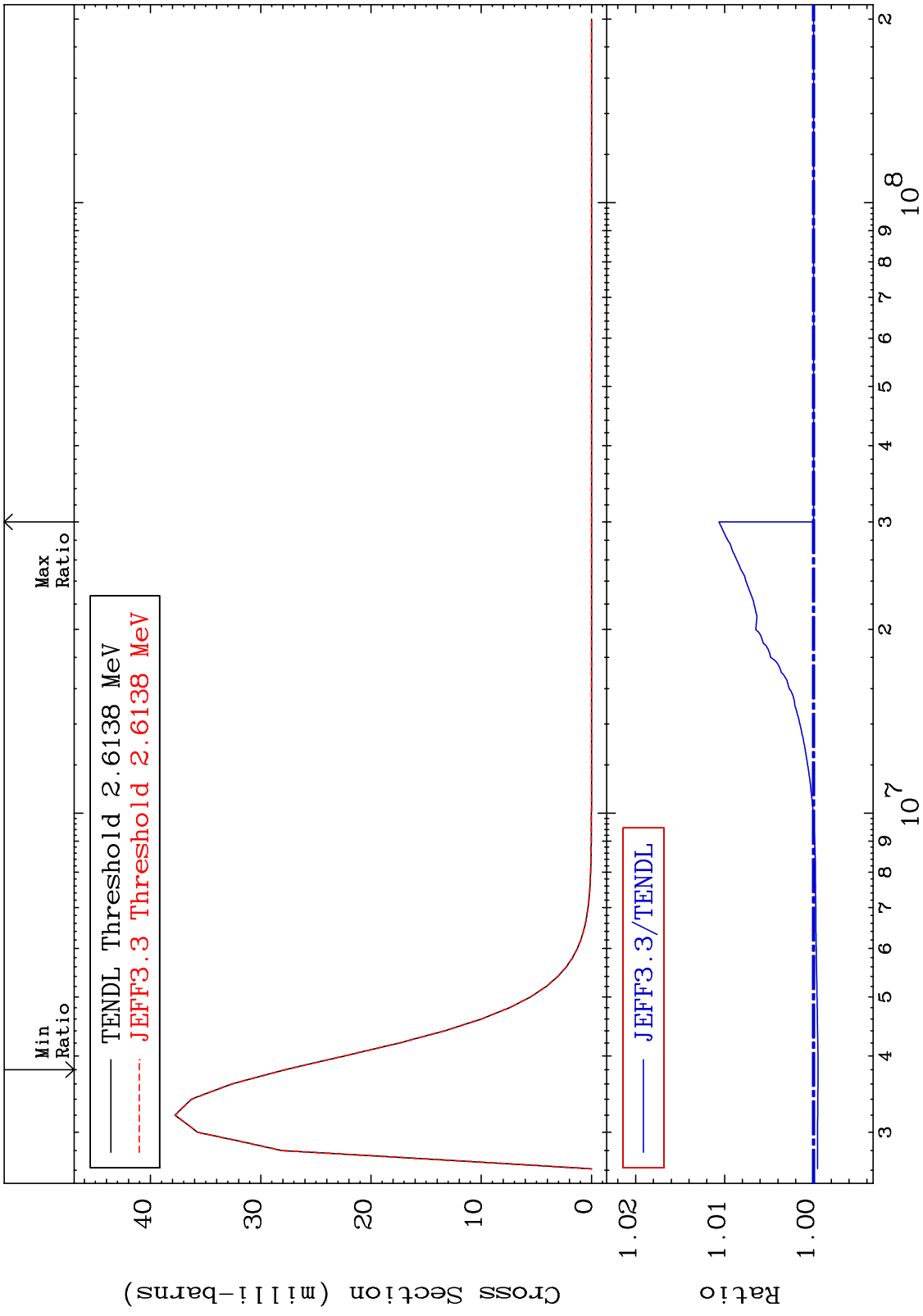
MAT 5231 MT= 77 (n,n') Level Cross Section 52-Te-122  
 -0.050 To 0.000 %



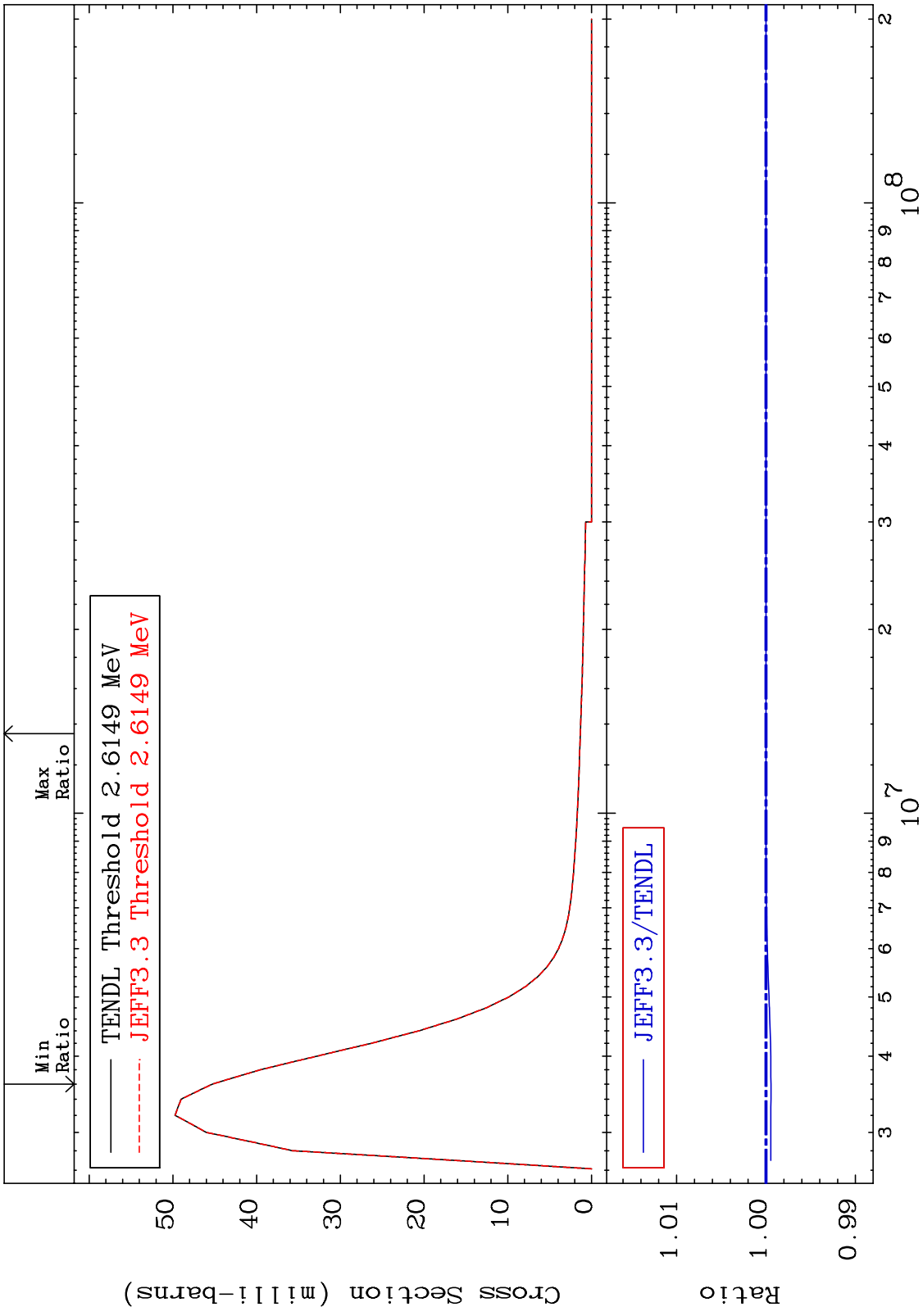
MAT 5231 MT= 78 (n,n') Level Cross Section 52-Te-122 -0.093 To 1.063 %



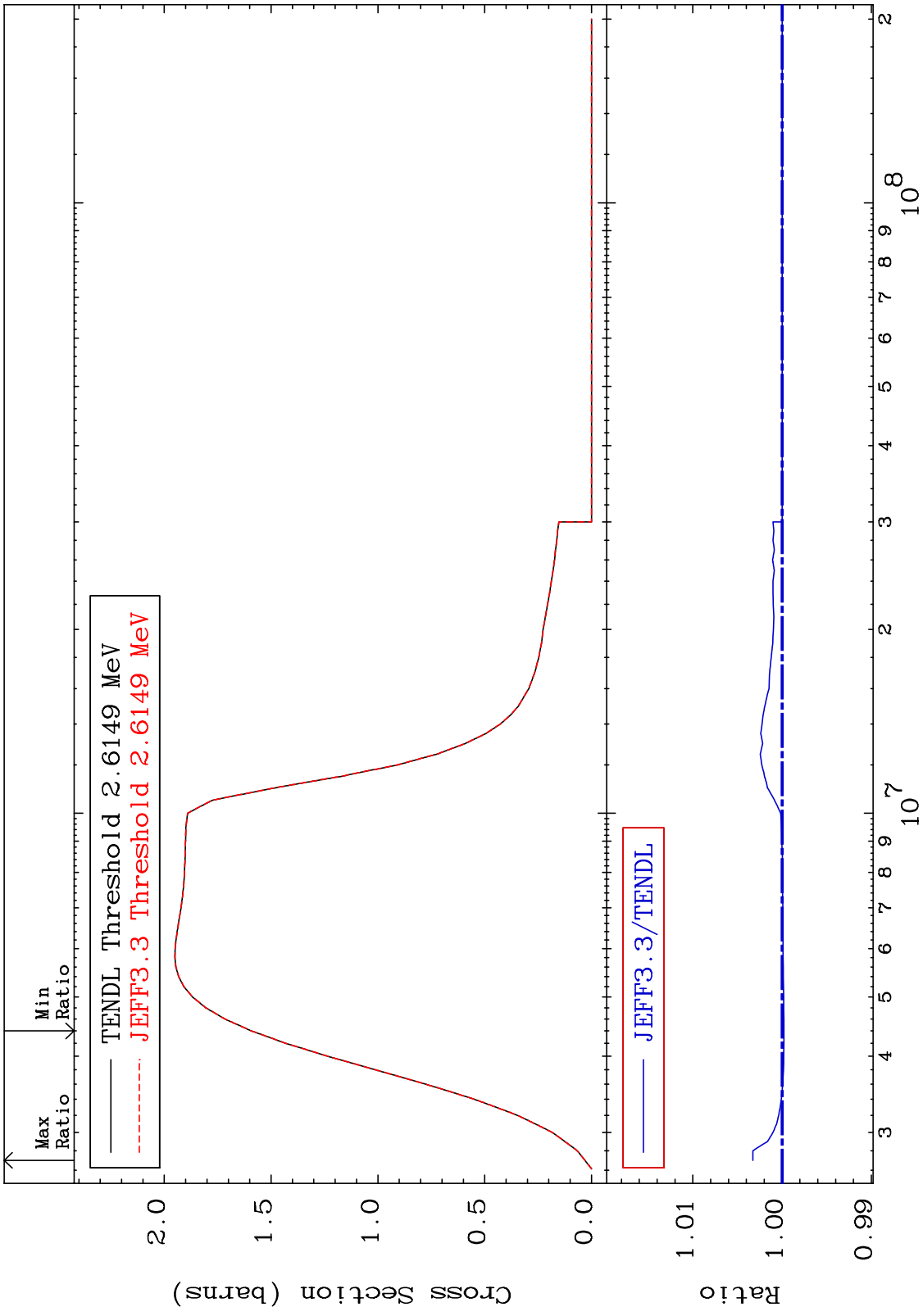
MAT 5231 MT= 79 (n,n') Level Cross Section 52-Te-122 -0.050 To 1.064 %



MAT 5231 MT= 80 (n,n') Level Cross Section 52-Te-122 -0.055 To 0.000 %



MAT 5231 (n,n') Continuum Cross Section 52-Te-122 -0.021 To 0.327 %



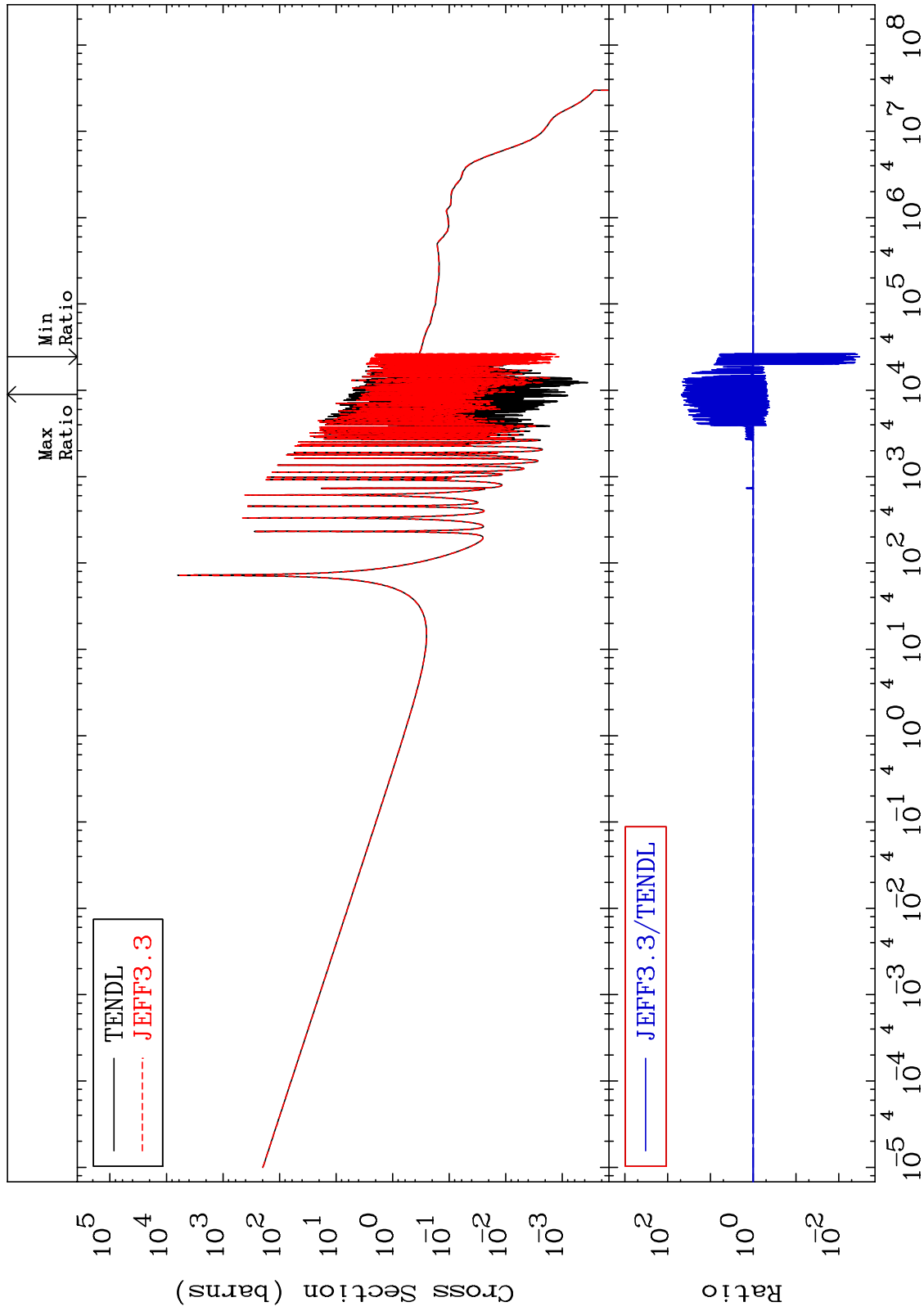
MAT 5231

(n,  $\gamma$ )

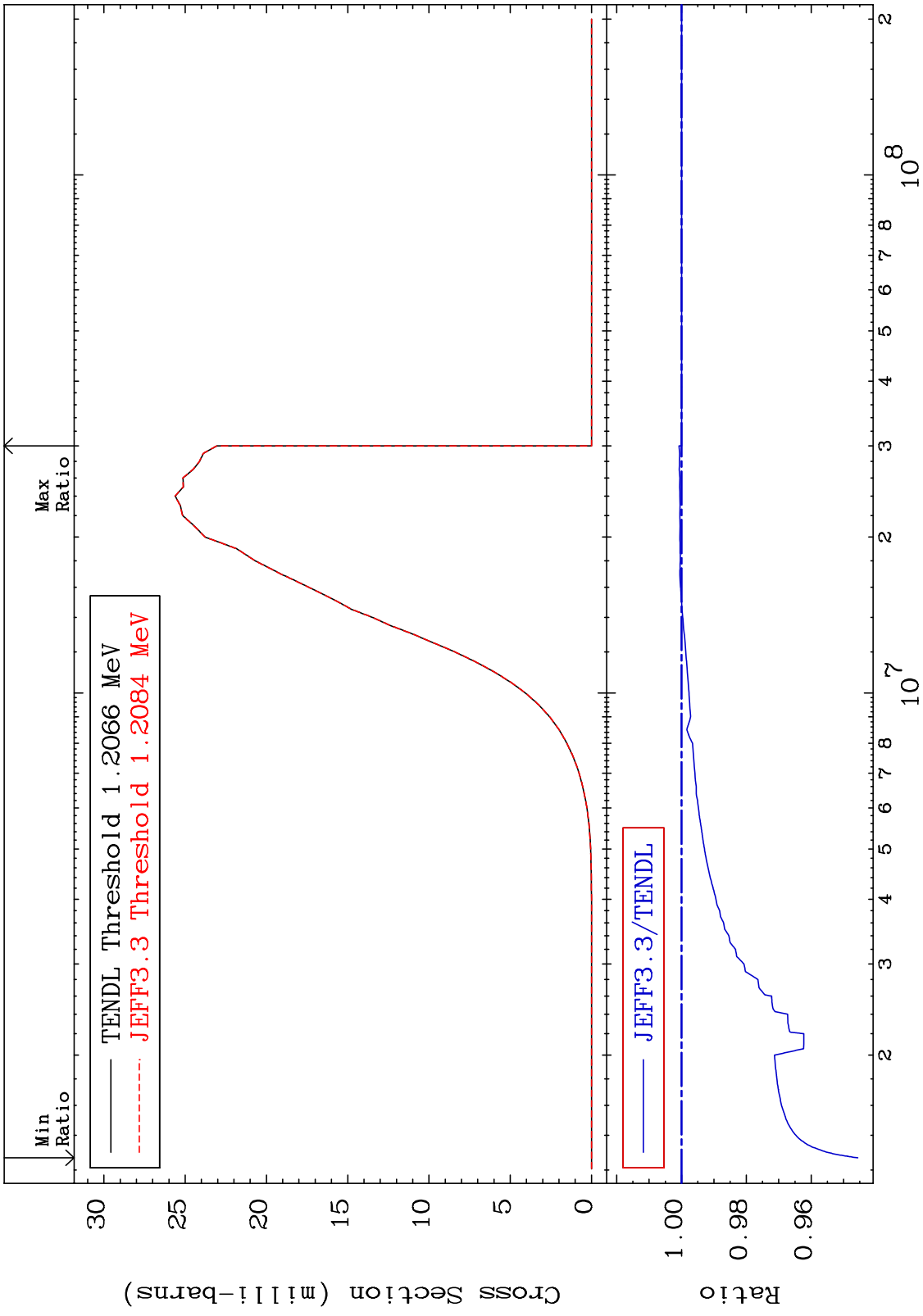
52-Te-122

Cross Section

-99.68 To 4714. %



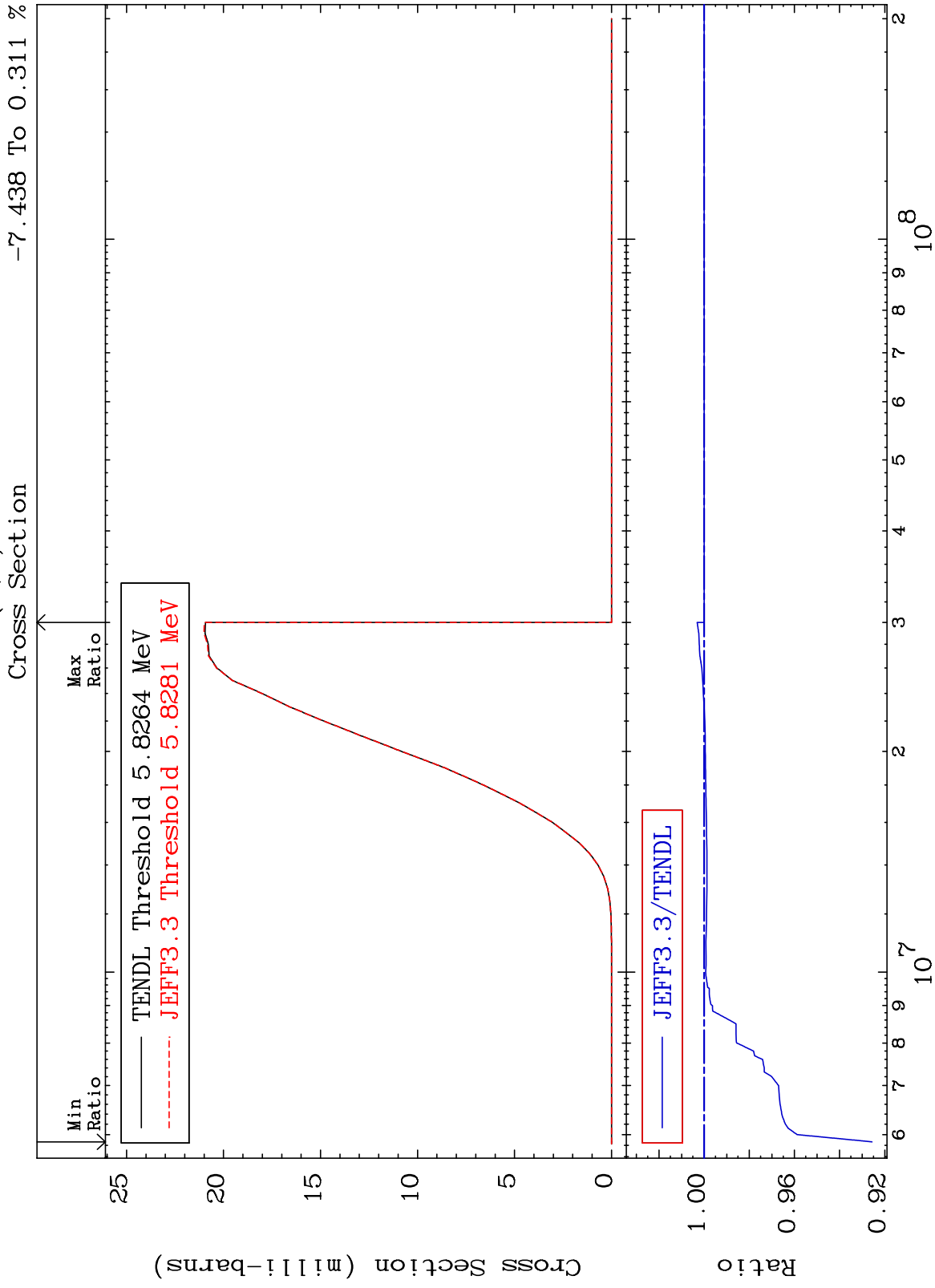
MAT 5231 (n,p) Cross Section 52-Te-122 -5.440 To 0.076 %



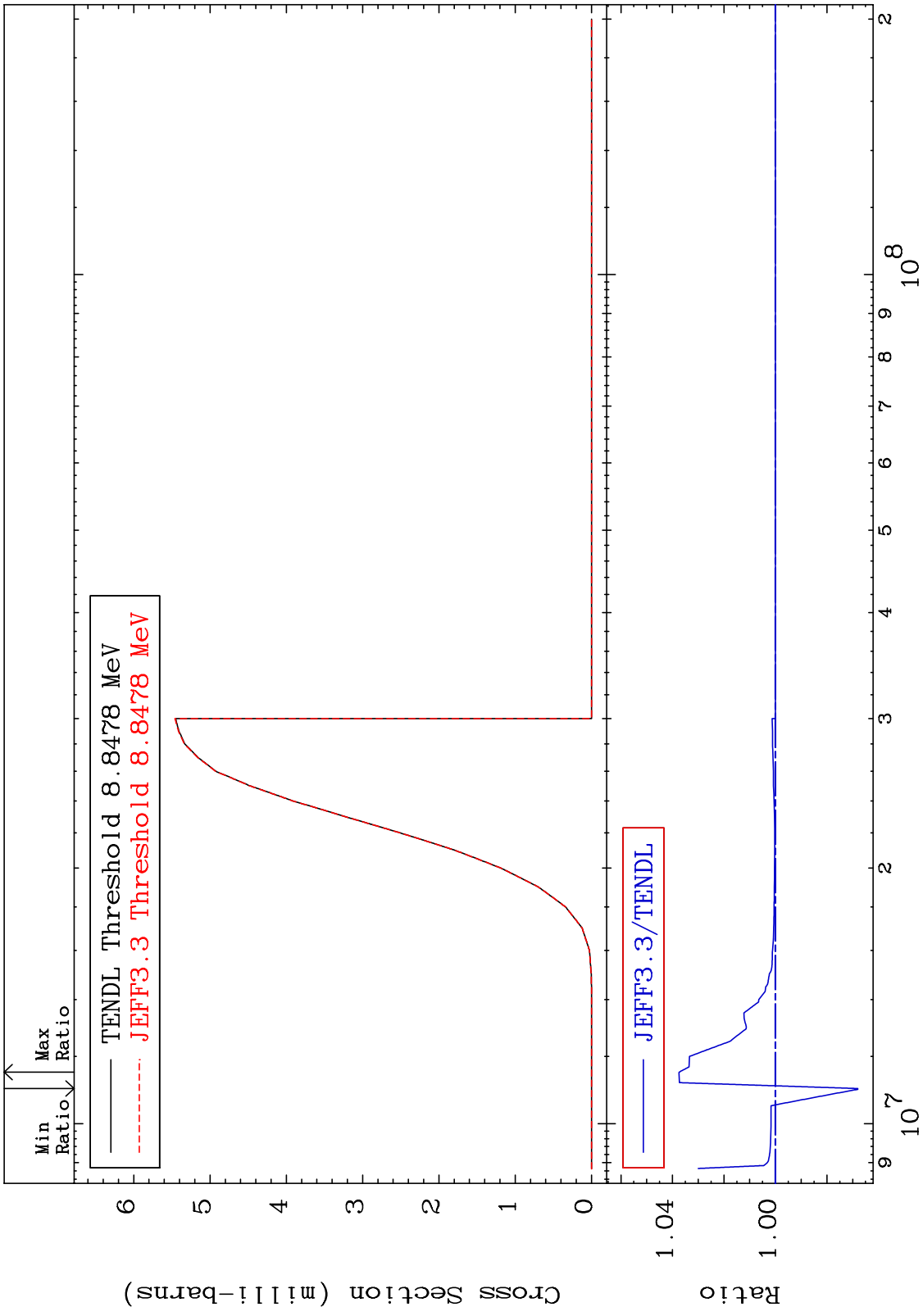
MAT 5231

(n,d)

52-Te-122  
-7.438 To 0.311 %

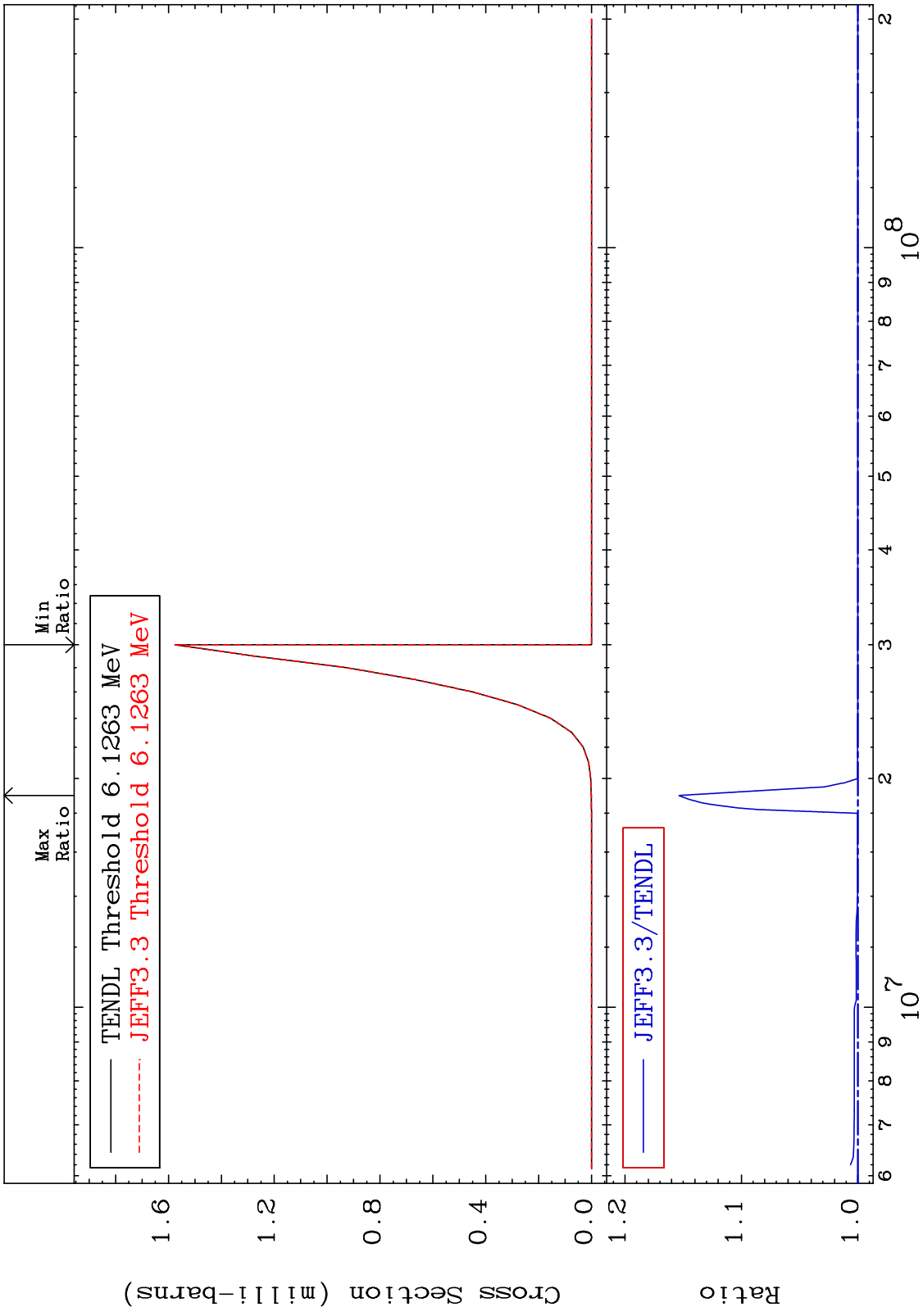


MAT 5231 (n,t) 52-Te-122  
 Cross Section -3.201 To 3.744 %



54 52-Te-122

MAT 5231 (n, He-3) Cross Section 52-Te-122 To 15.36 %



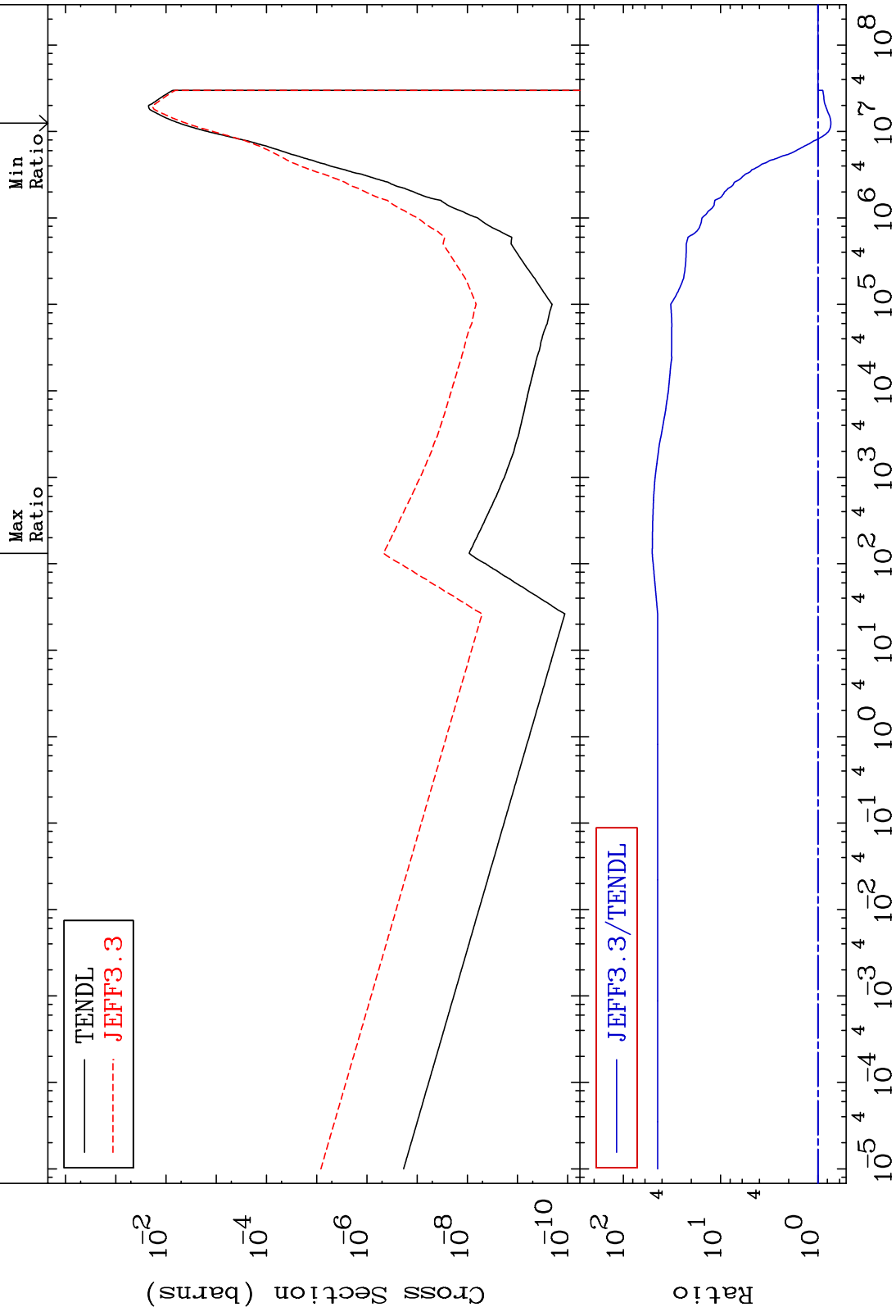
MAT 5231

(n,  $\alpha$ )

52-Te-122

-26.38 To 4943. %

Cross Section



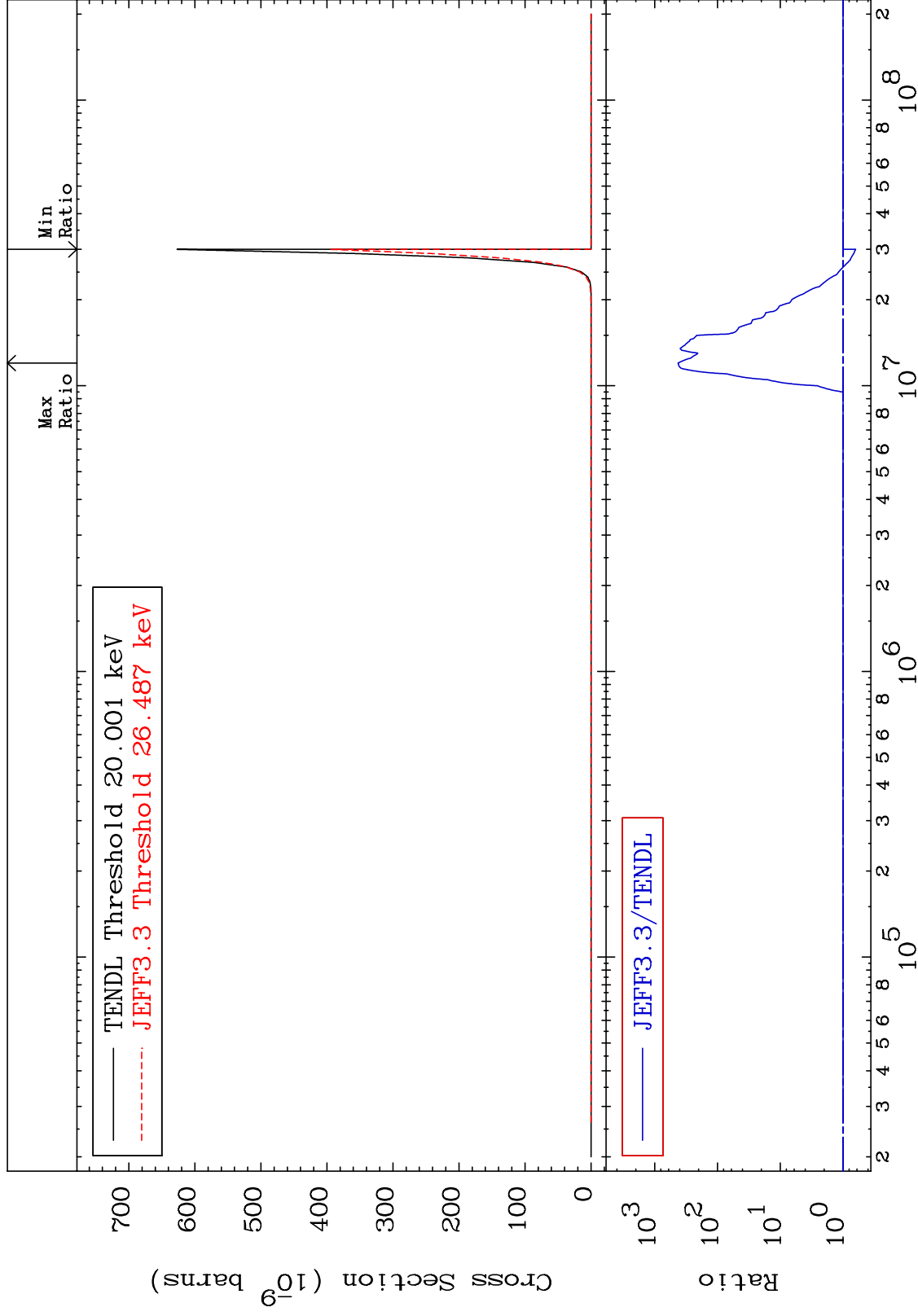
MAT 5231

(n,2α)

52-Te-122

Cross Section

-37.20 To 9999. %

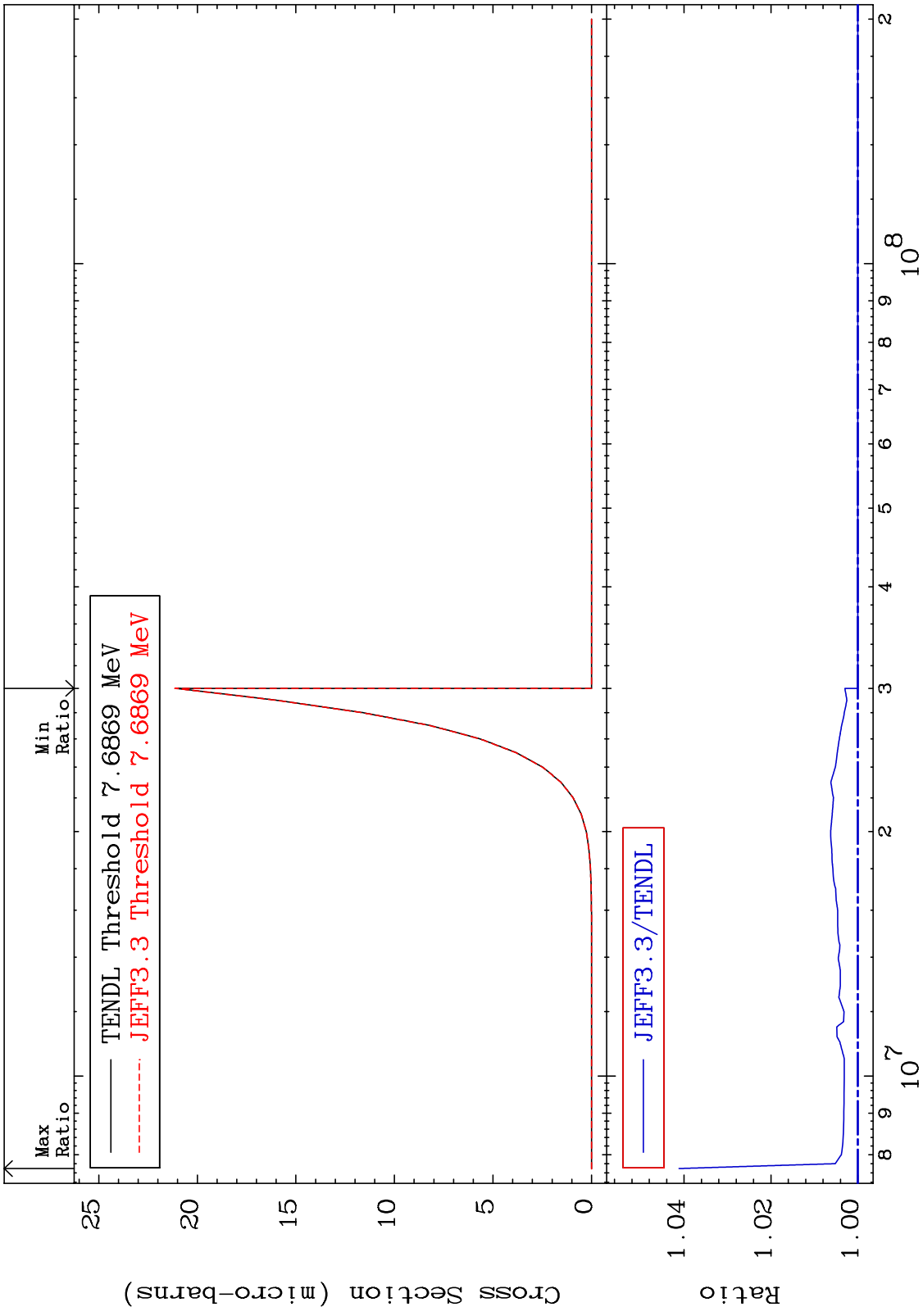


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Incident Energy (eV)

52-Te-122

MAT 5231 (n,2p) Cross Section 52-Te-122 To 4.116 %



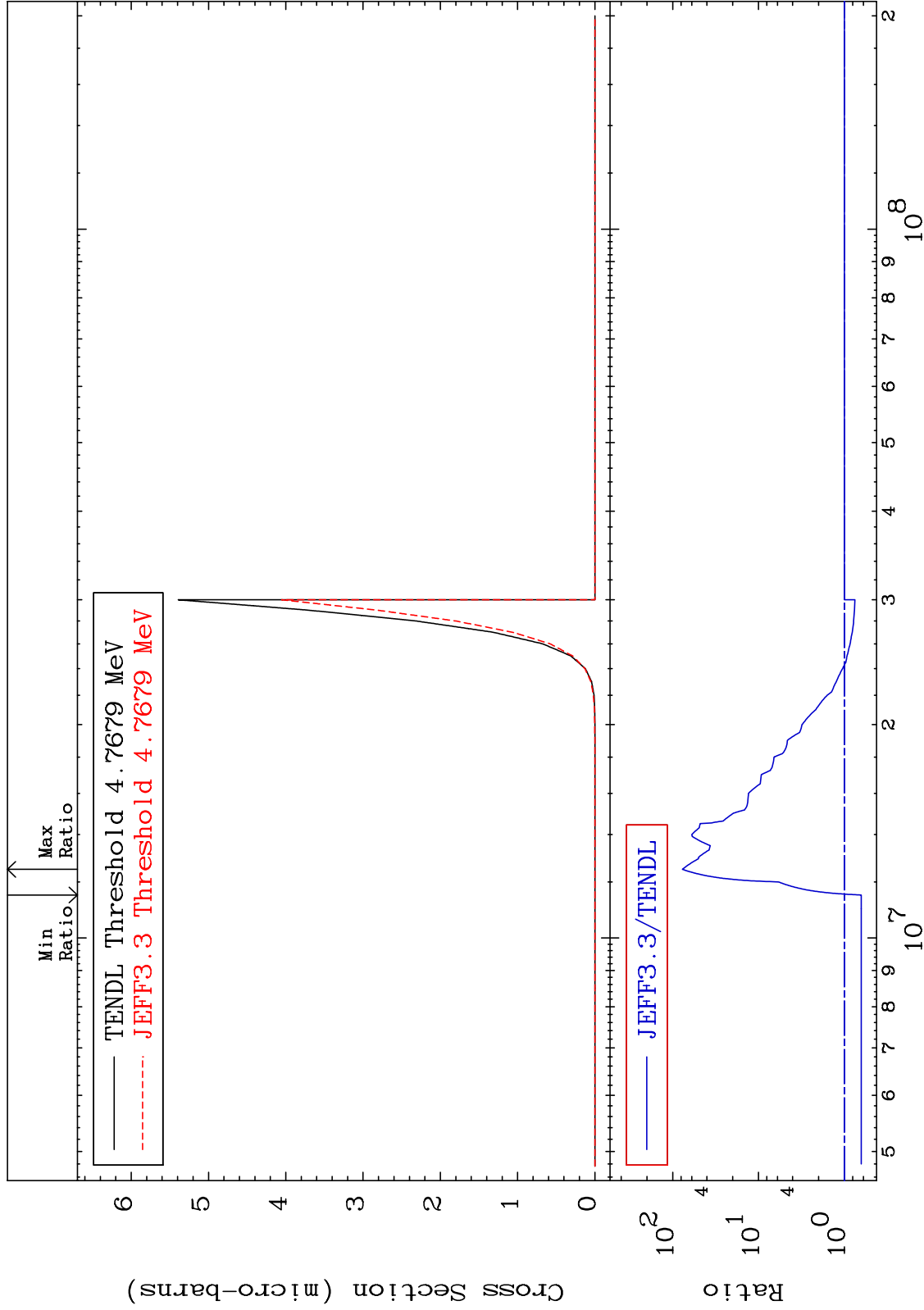
MAT 5231

(n,p)  $\alpha$

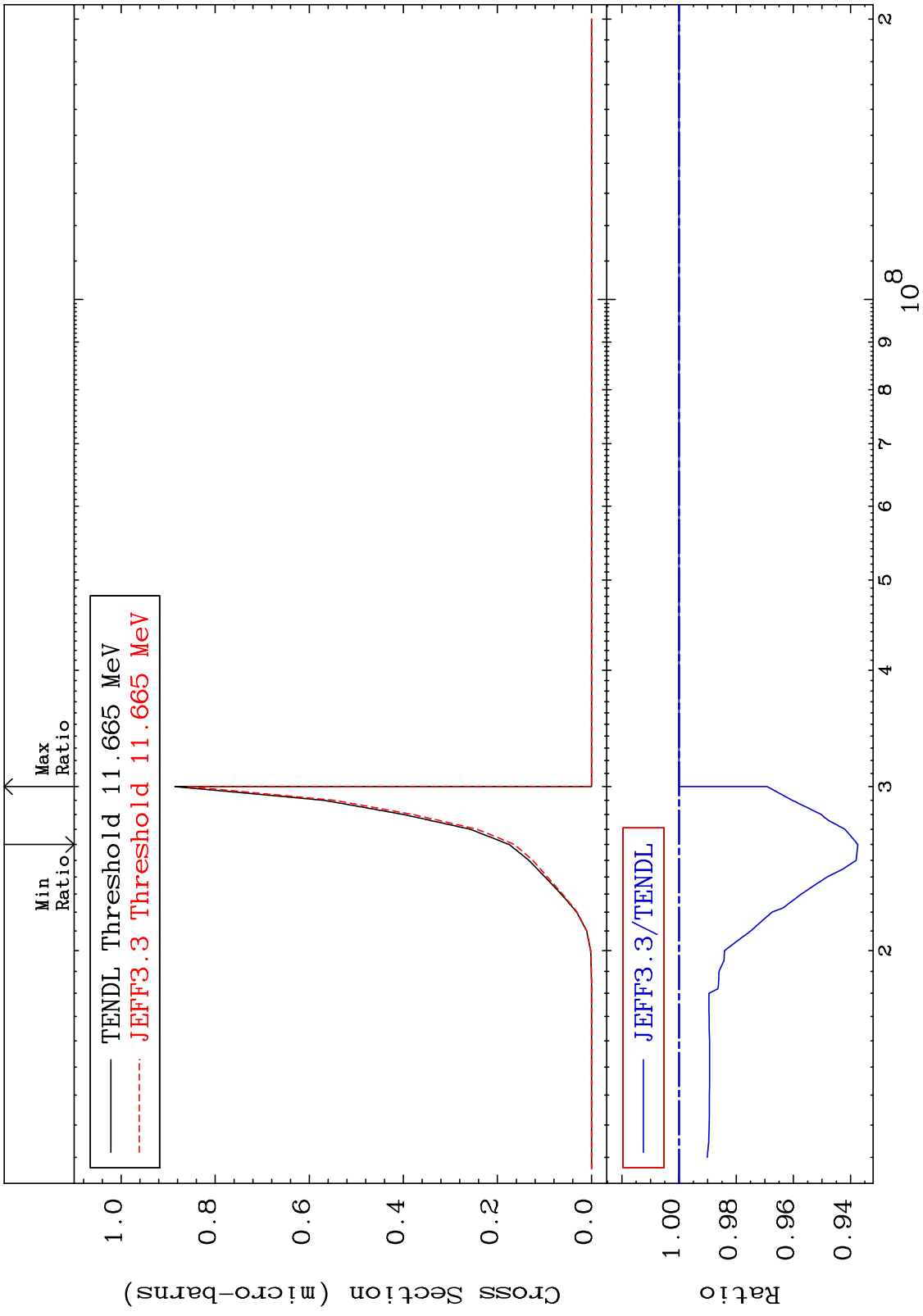
52-Te-122

Cross Section

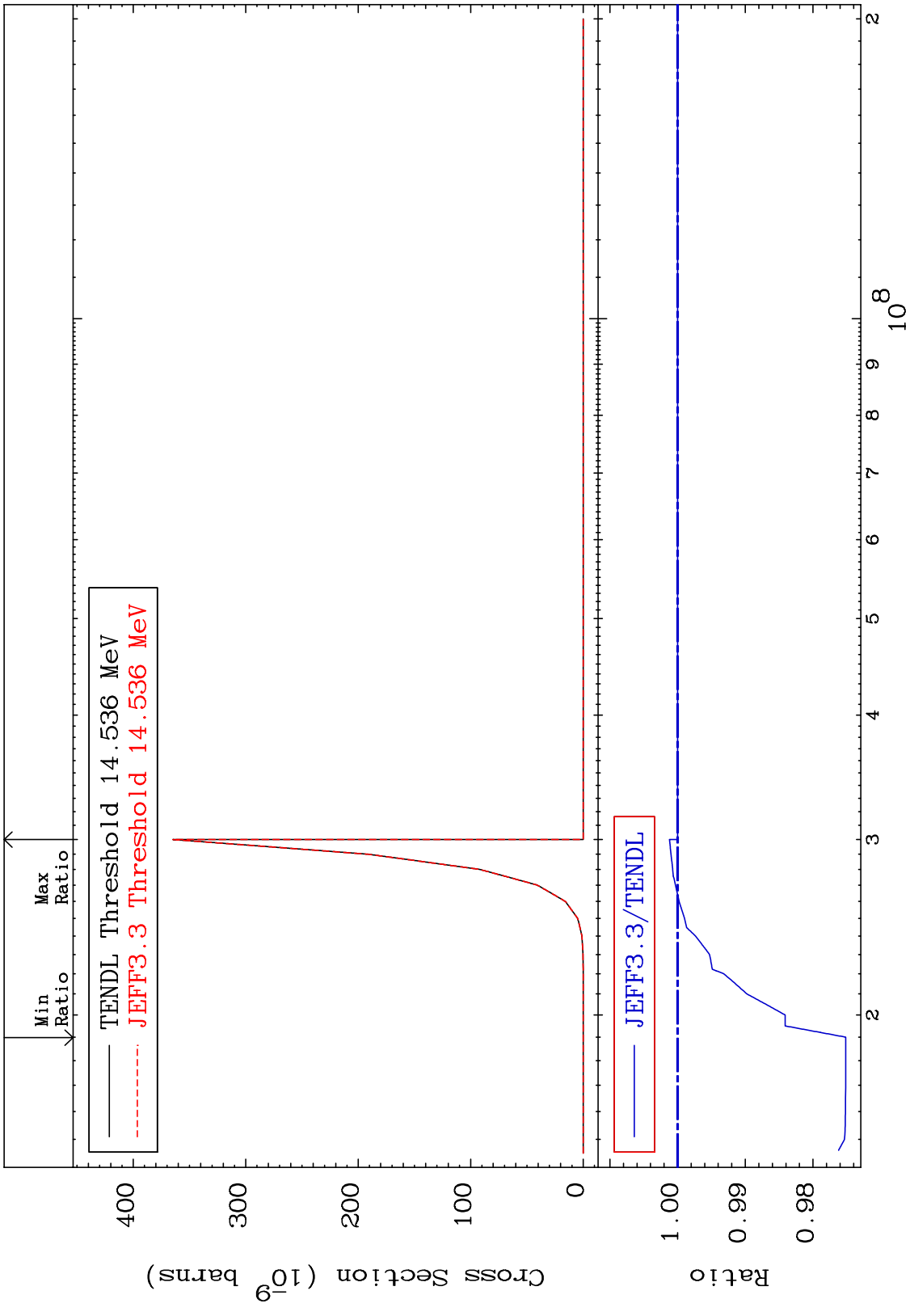
-36.59 To 7619. %



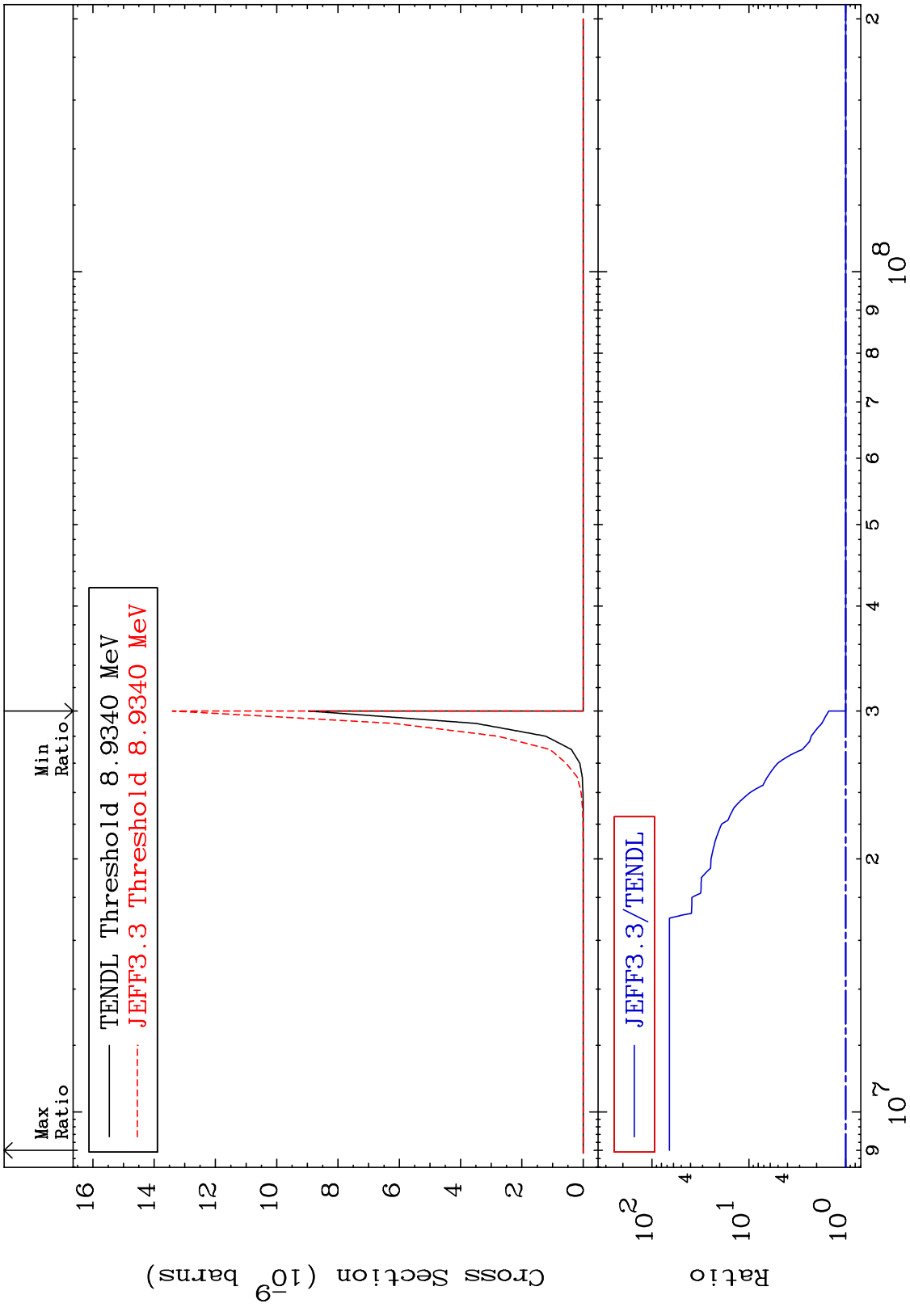
MAT 5231 (n,p) d 52-Te-122  
 Cross Section -6.253 To 0.000 %



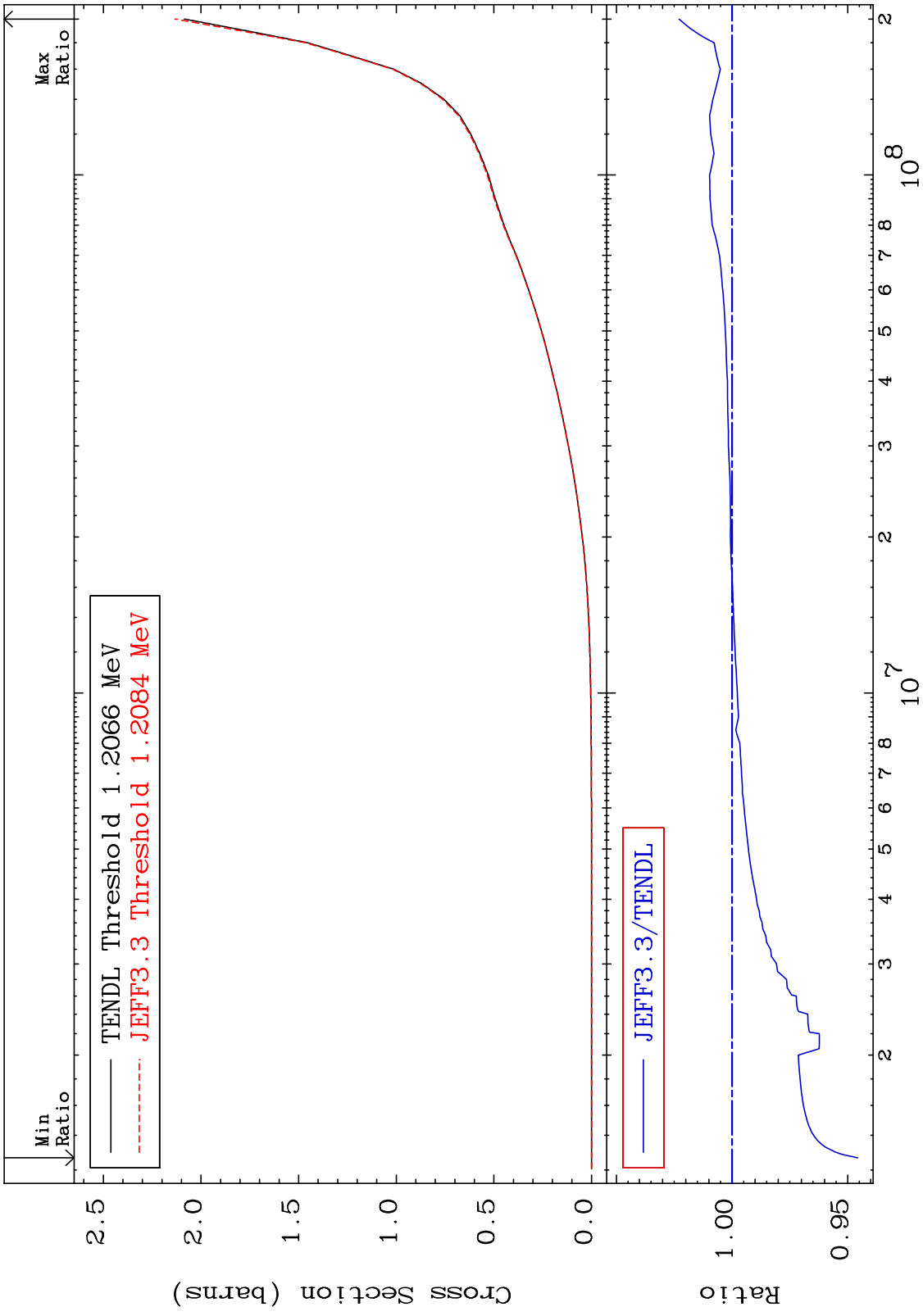
MAT 5231 (n,p) t 52-Te-122  
 Cross Section -2.484 To 0.120 %



MAT 5231 (n,d)  $\alpha$  52-Te-122  
 Cross Section 0.000 To 6502. %



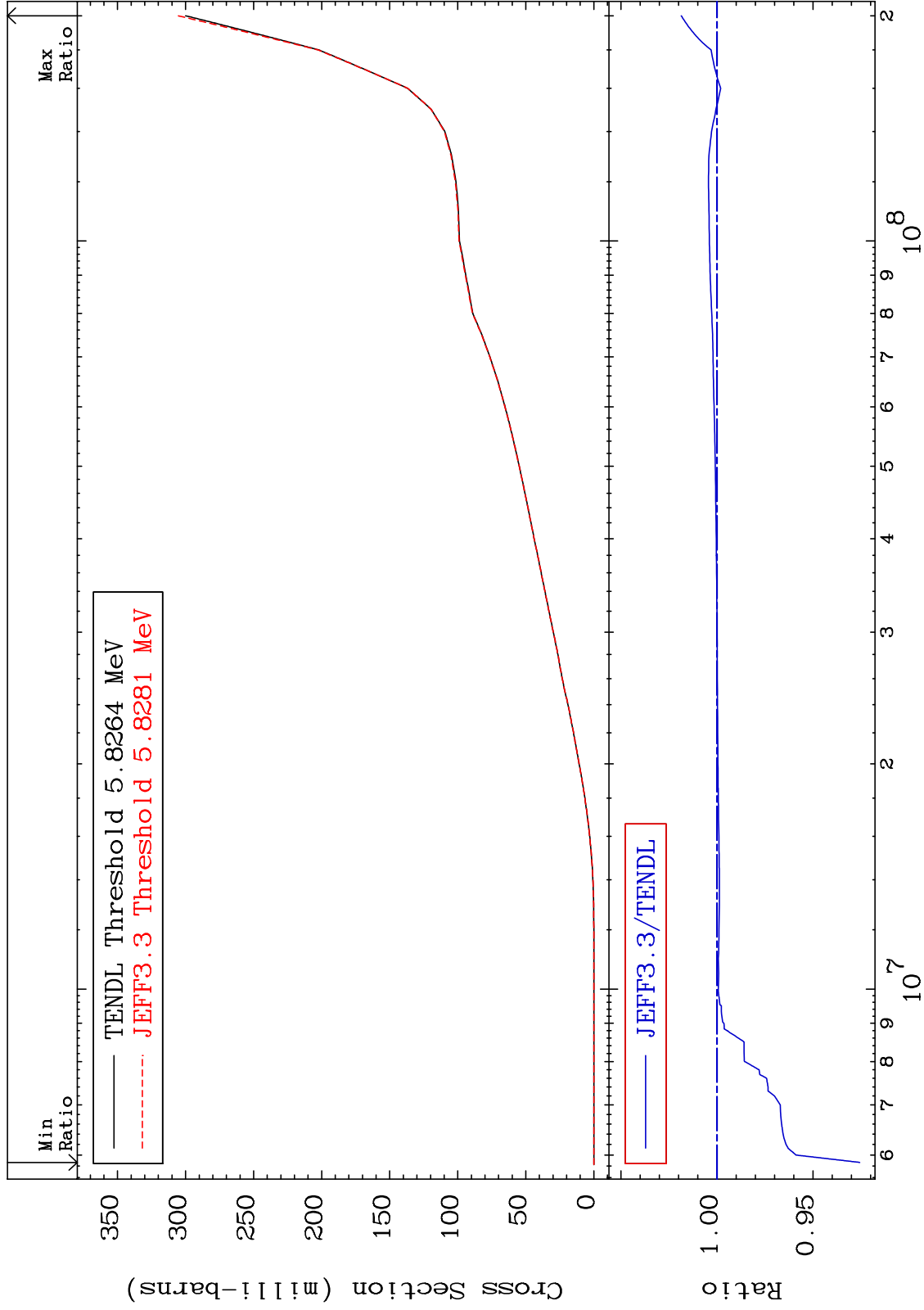
MAT 5231 Hydrogen Production Cross Section 52-Te-122  
 -5.440 To 2.290 %



MAT 5231

Deuterium Production  
Cross Section

52-Te-122  
-7.438 To 1.860 %



64

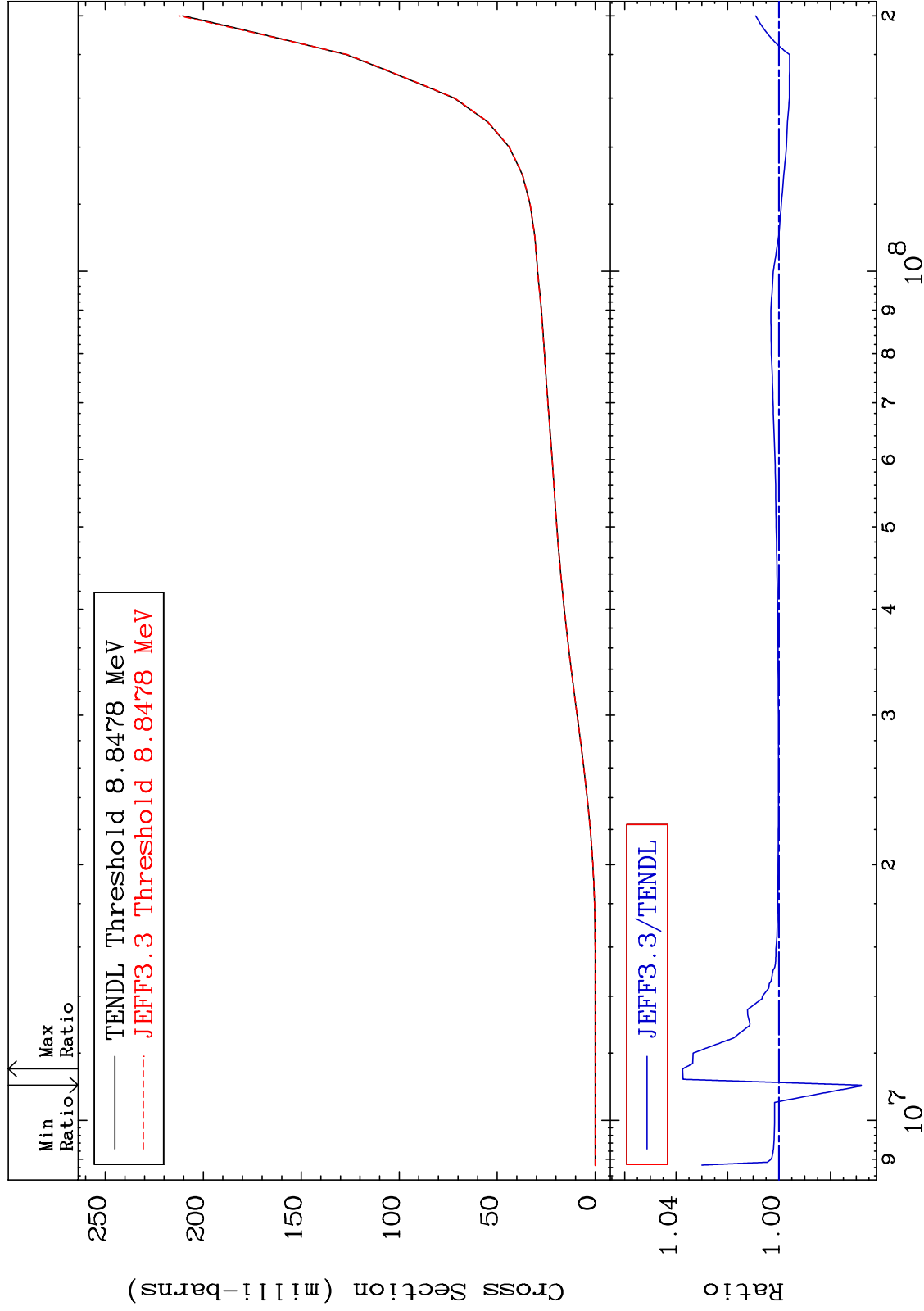
Incident Energy (eV)

52-Te-122

MAT 5231

Tritium Production  
Cross Section

52-Te-122  
-3.201 To 3.744 %



65

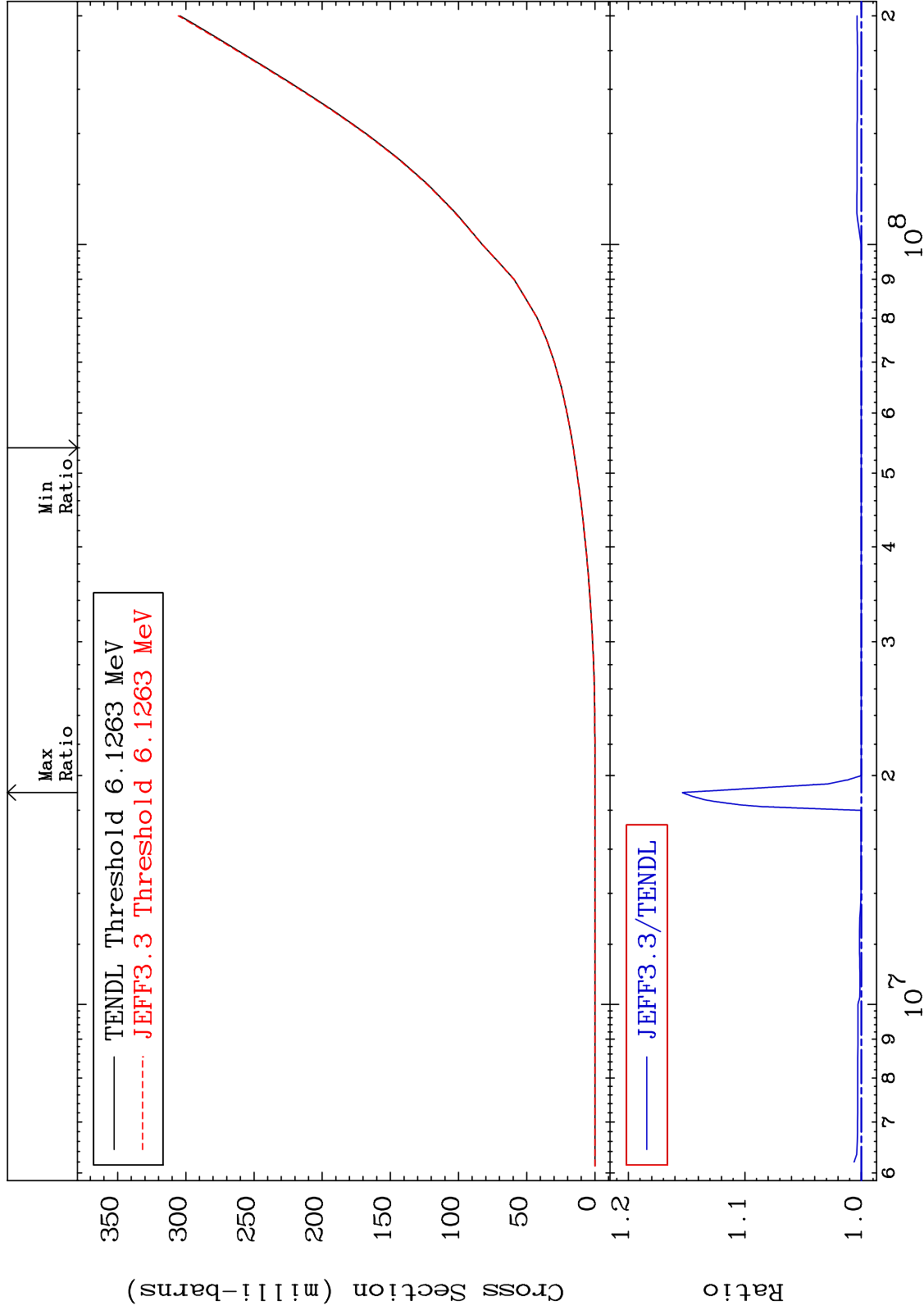
Incident Energy (eV)

52-Te-122

MAT 5231

He-3 Production  
Cross Section

52-Te-122  
To 15.36 %



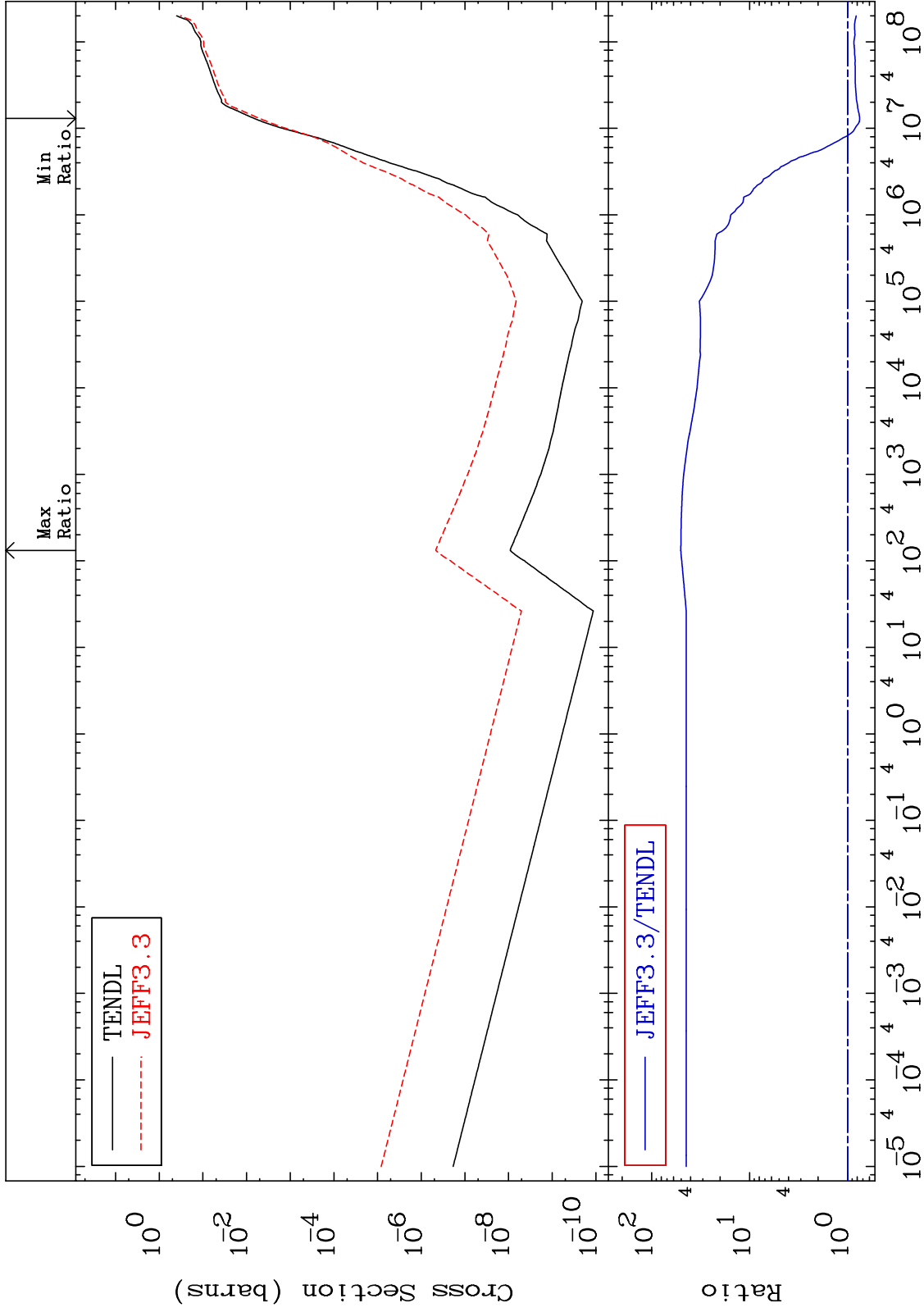
66

52-Te-122

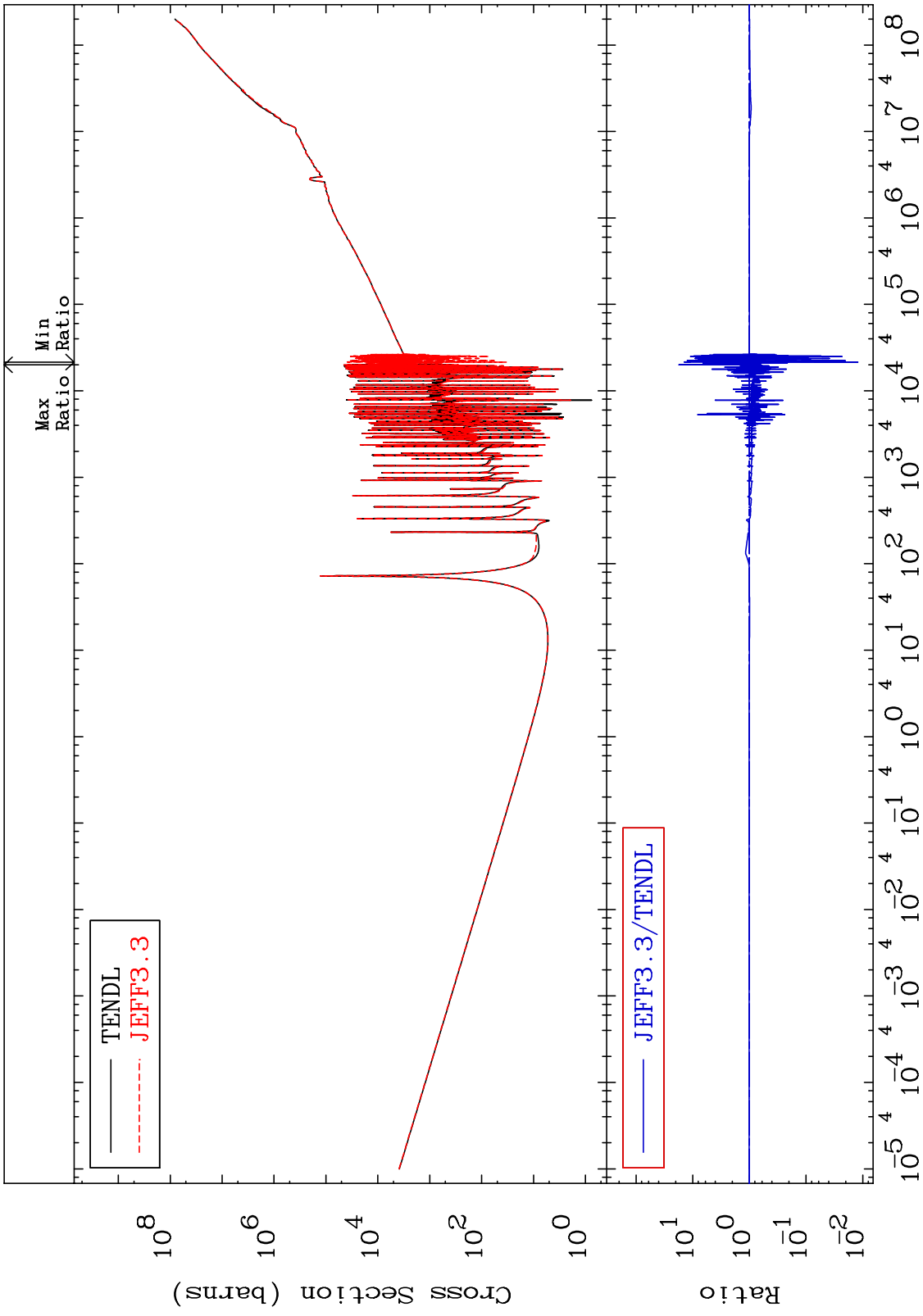
MAT 5231

He-4 Production  
Cross Section

52-Te-122  
-24.60 To 4943. %



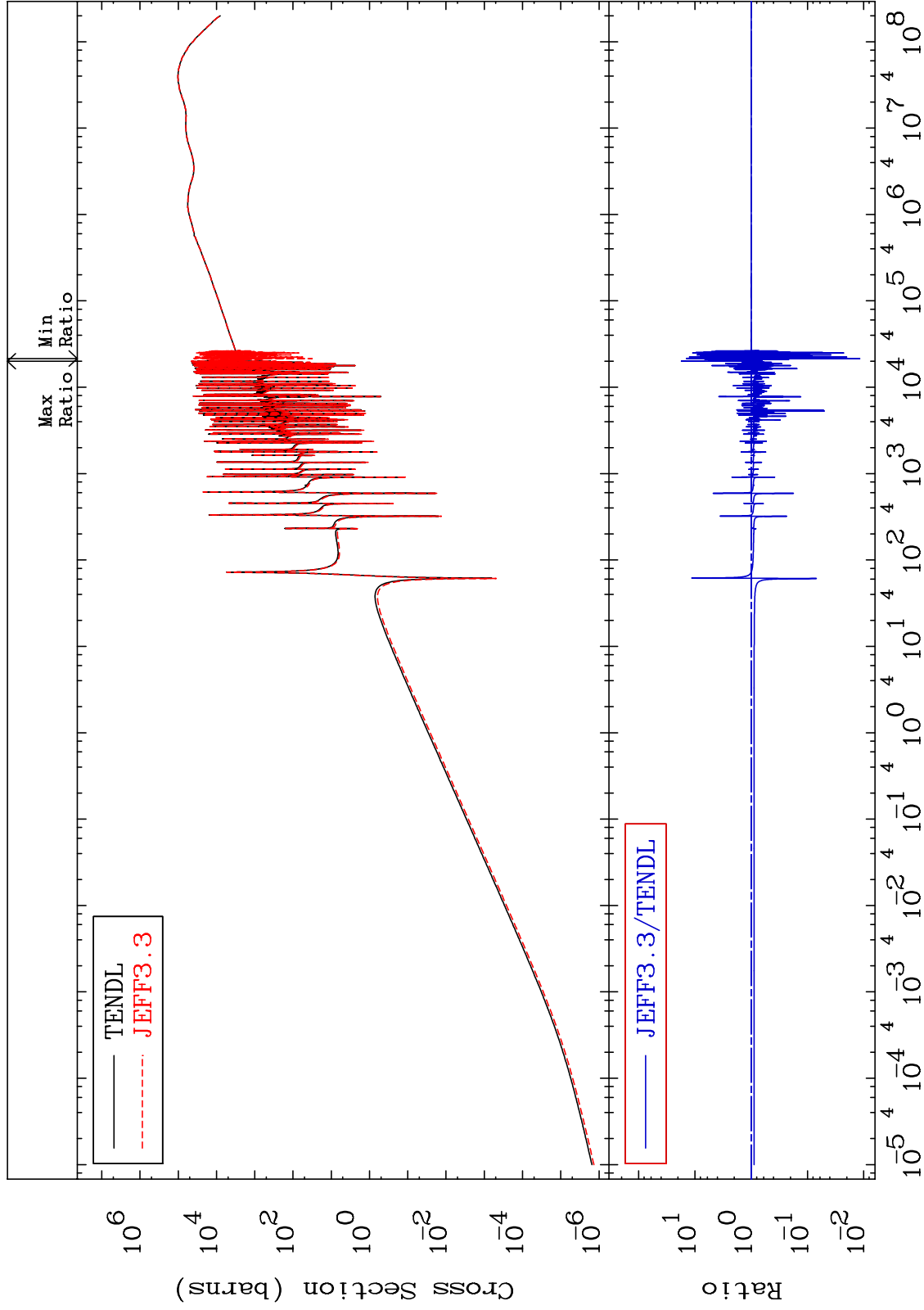
MAT 5231      Kerma total (eV-barns)  
 Cross Section      52-Te-122  
 -98.78 To 1645. %



MAT 5231

Kerma elastic  
Cross Section

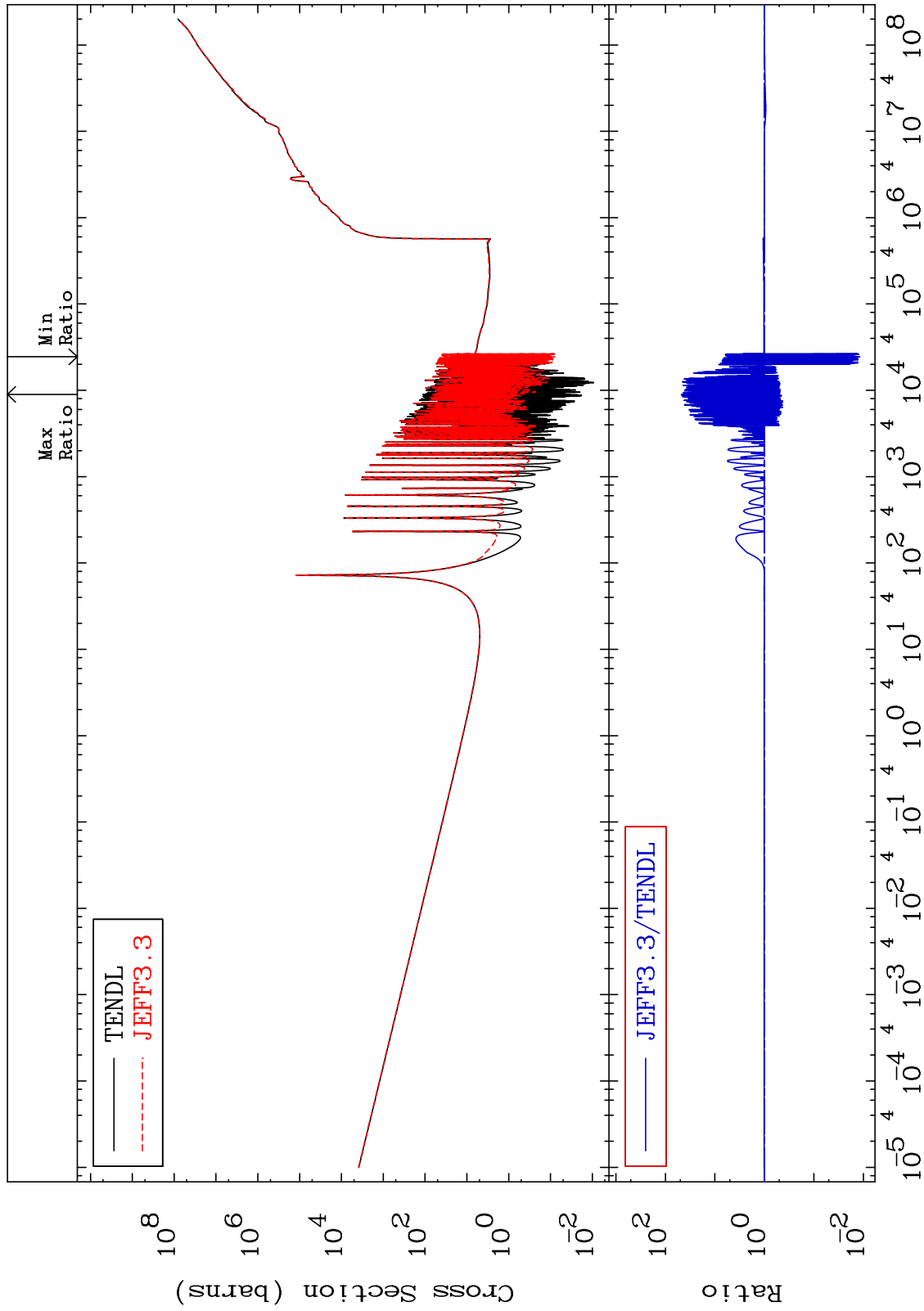
52-Te-122  
-98.82 To 1649. %

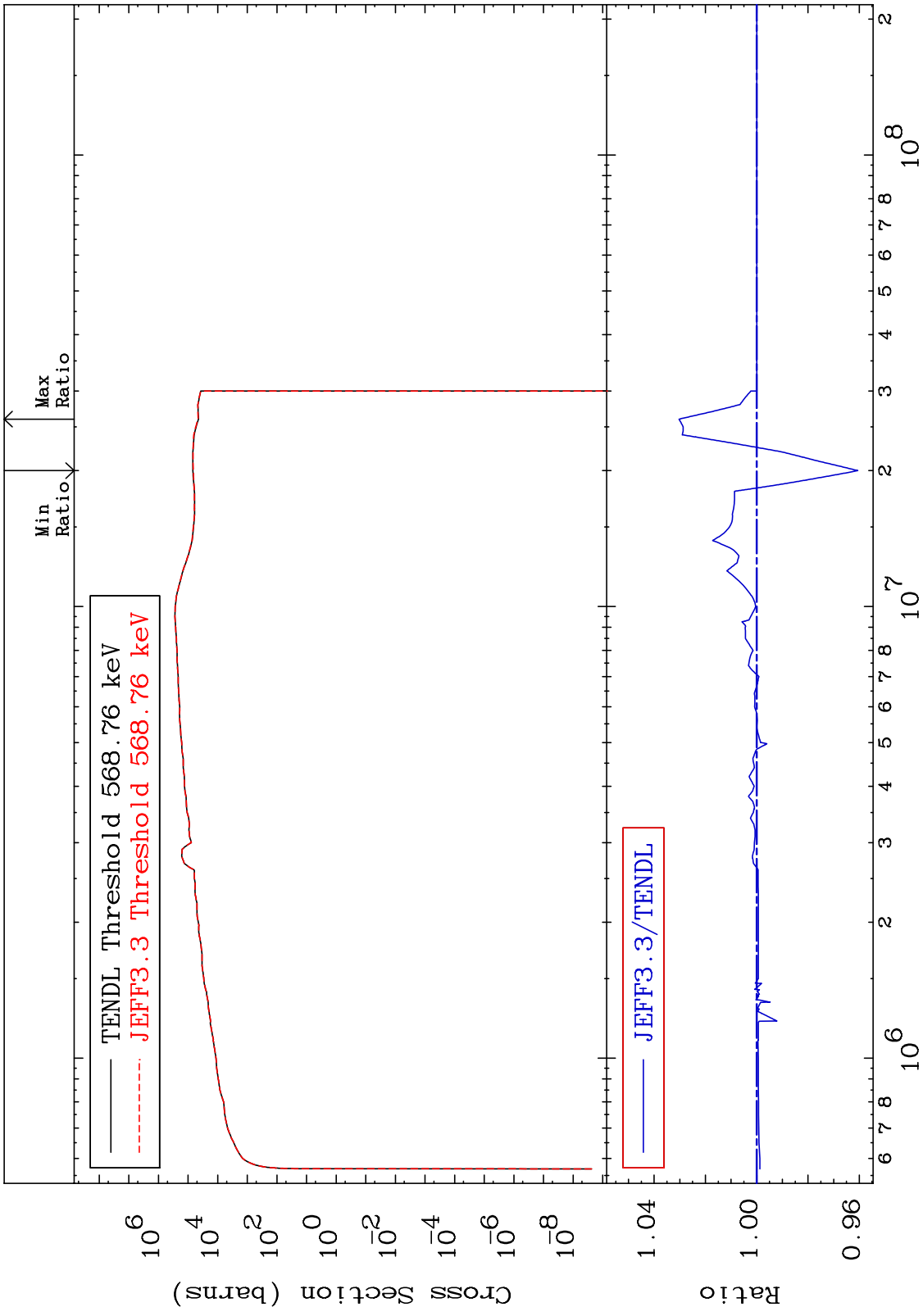


MAT 5231

Kerma non-elastic (all but mt2)  
Cross Section

52-Te-122  
-98.82 To 4684. %

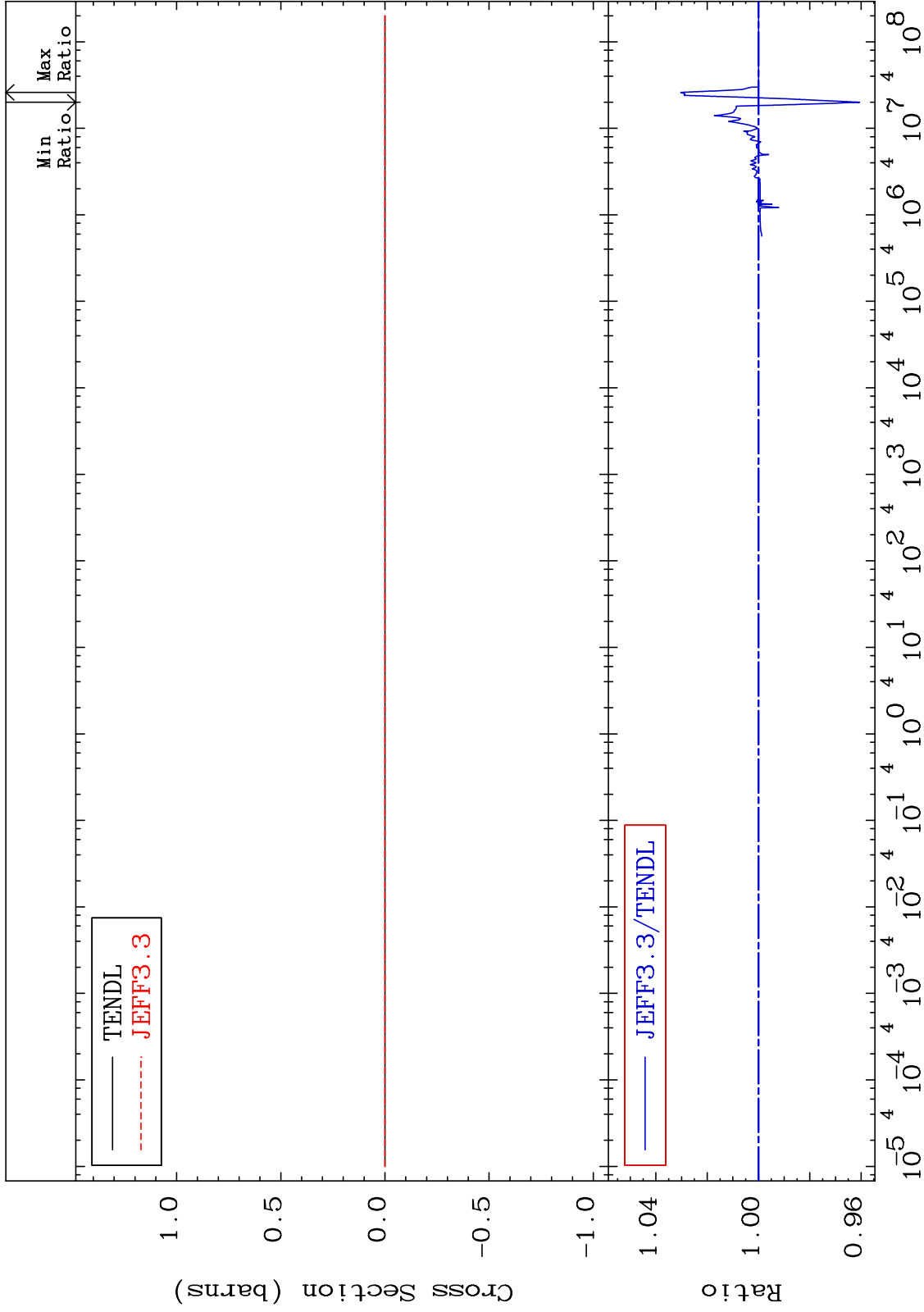




MAT 5231

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

52-Te-122  
-3.944 To 3.029 %



72

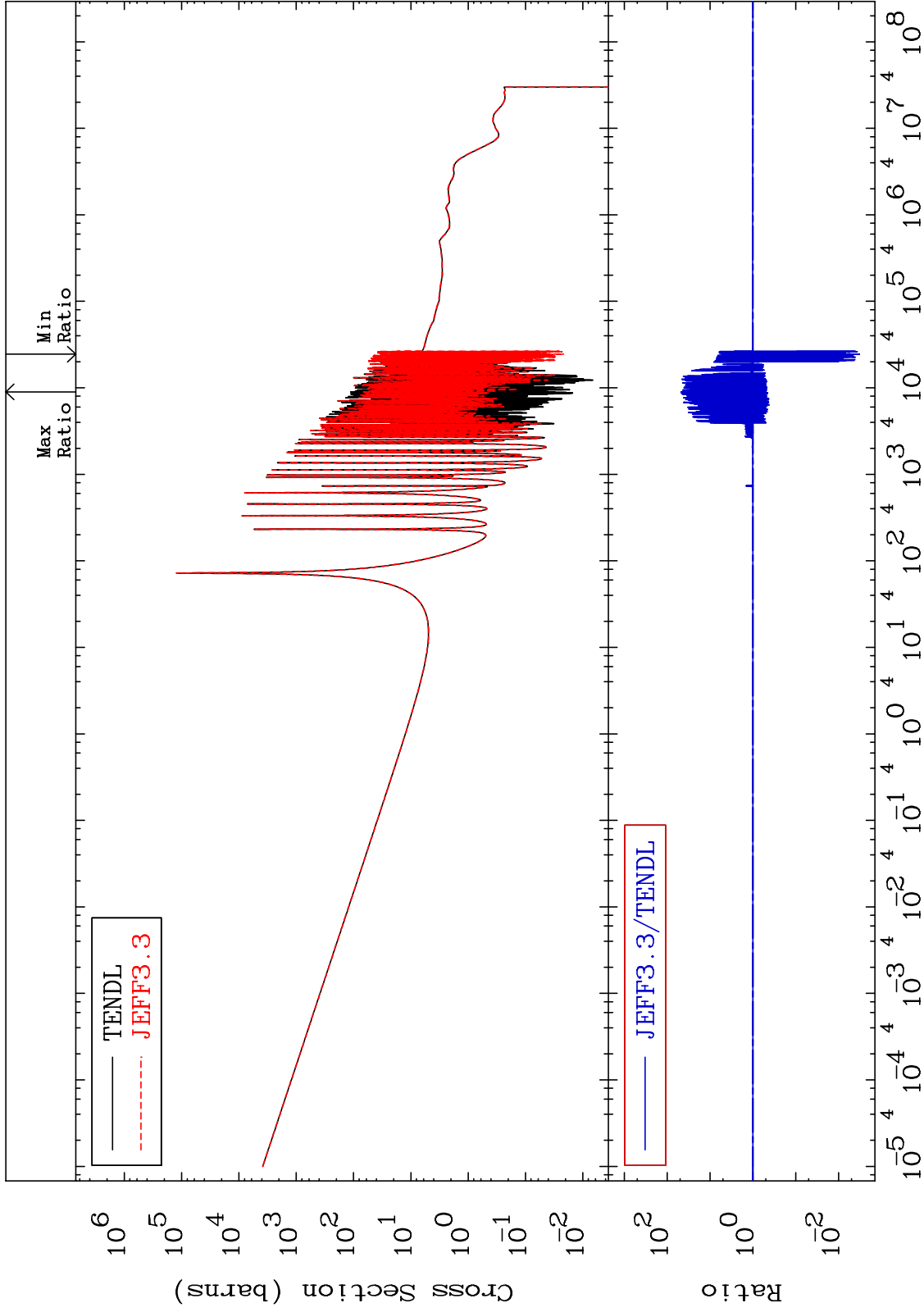
Incident Energy (eV)

52-Te-122

MAT 5231

Kerma capture (mt102)  
Cross Section

52-Te-122  
-99.68 To 4714. %



73

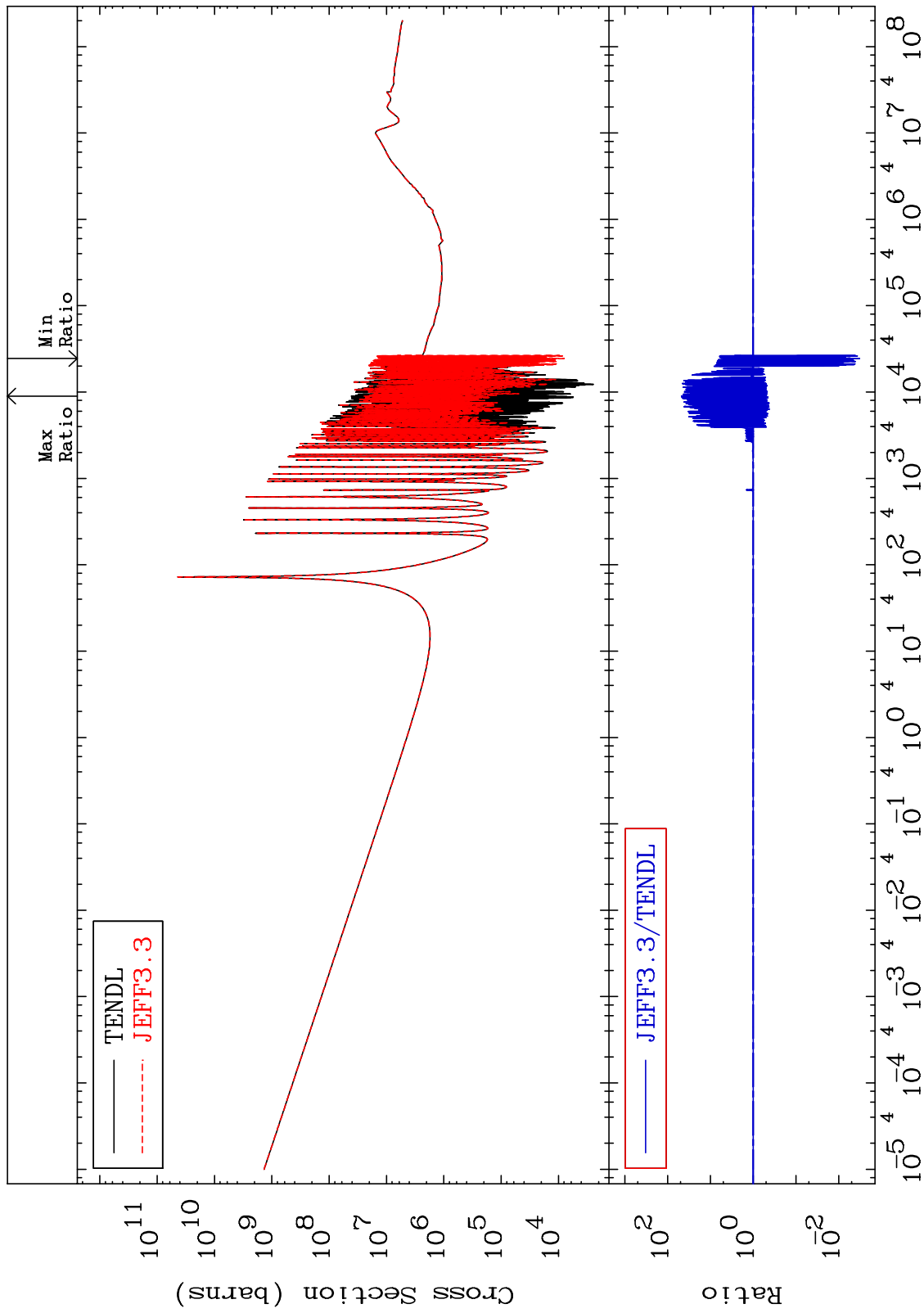
Incident Energy (eV)

52-Te-122

MAT 5231

Total photon (eV-barns)  
Cross Section

52-Te-122  
-99.68 To 4714. %

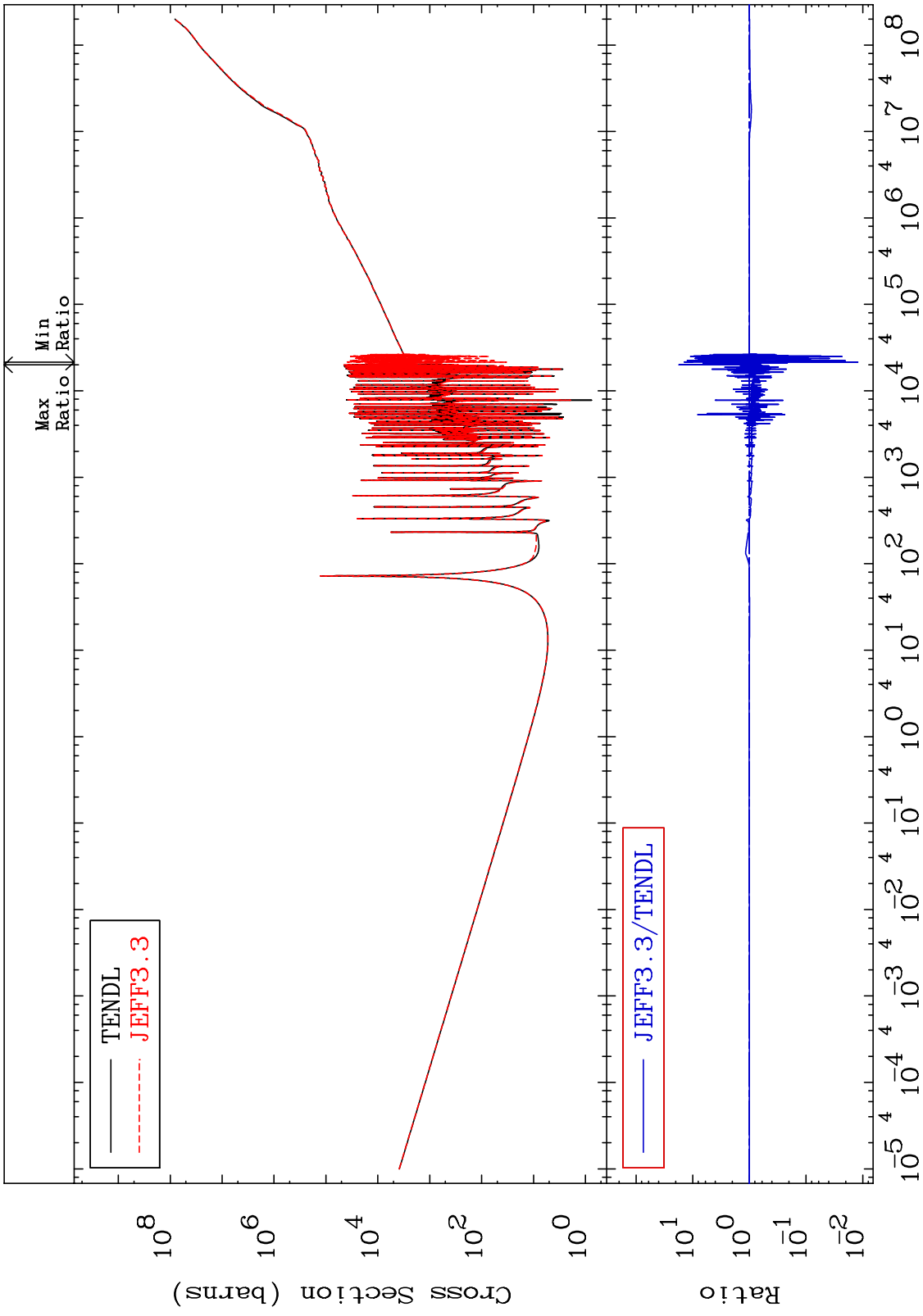


74

Incident Energy (eV)

52-Te-122

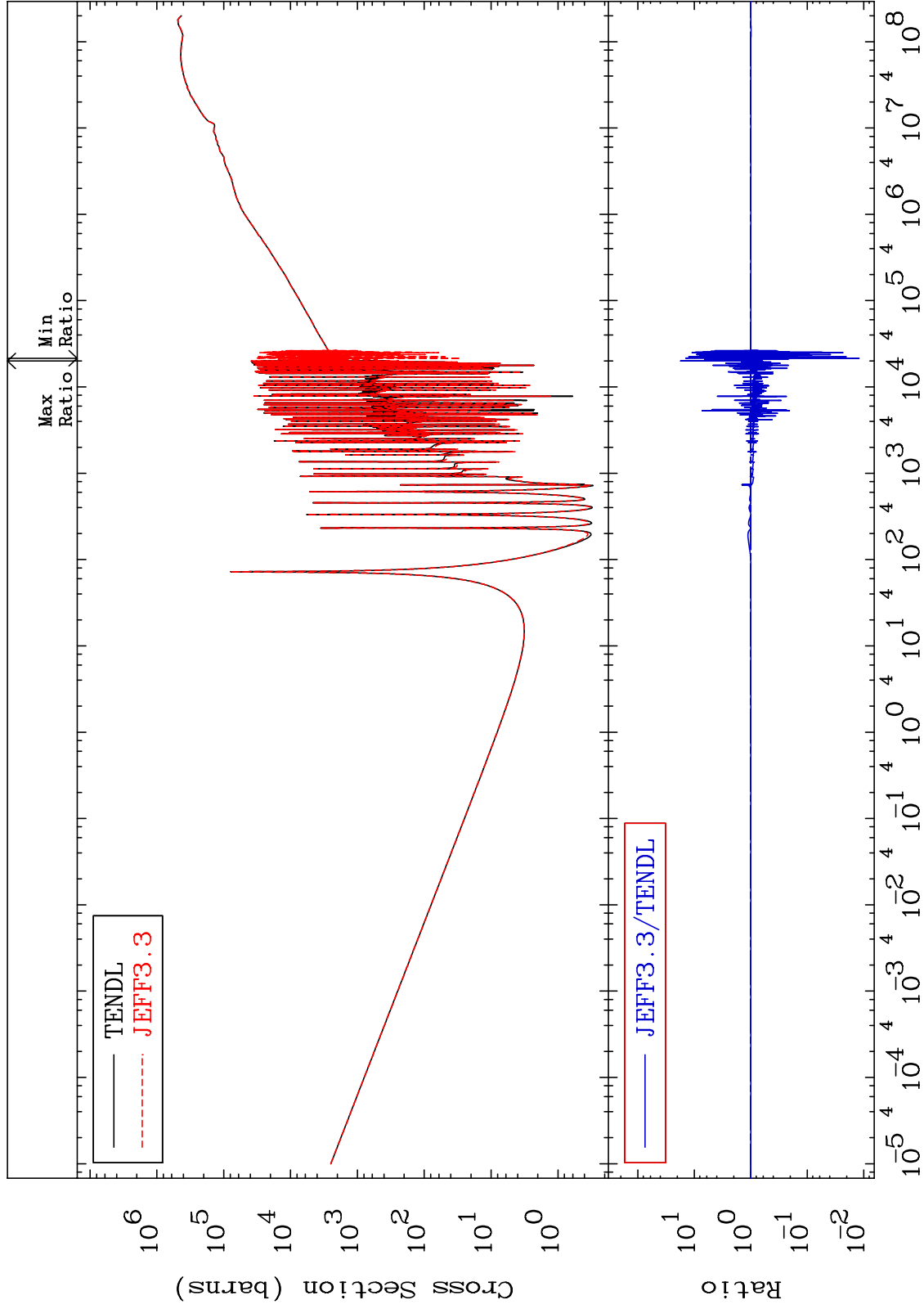
MAT 5231 Total kinematic kerma (high limit) 52-Te-122  
Cross Section -98.78 To 1645. %



MAT 5231

Dpa total (eV-barns)  
Cross Section

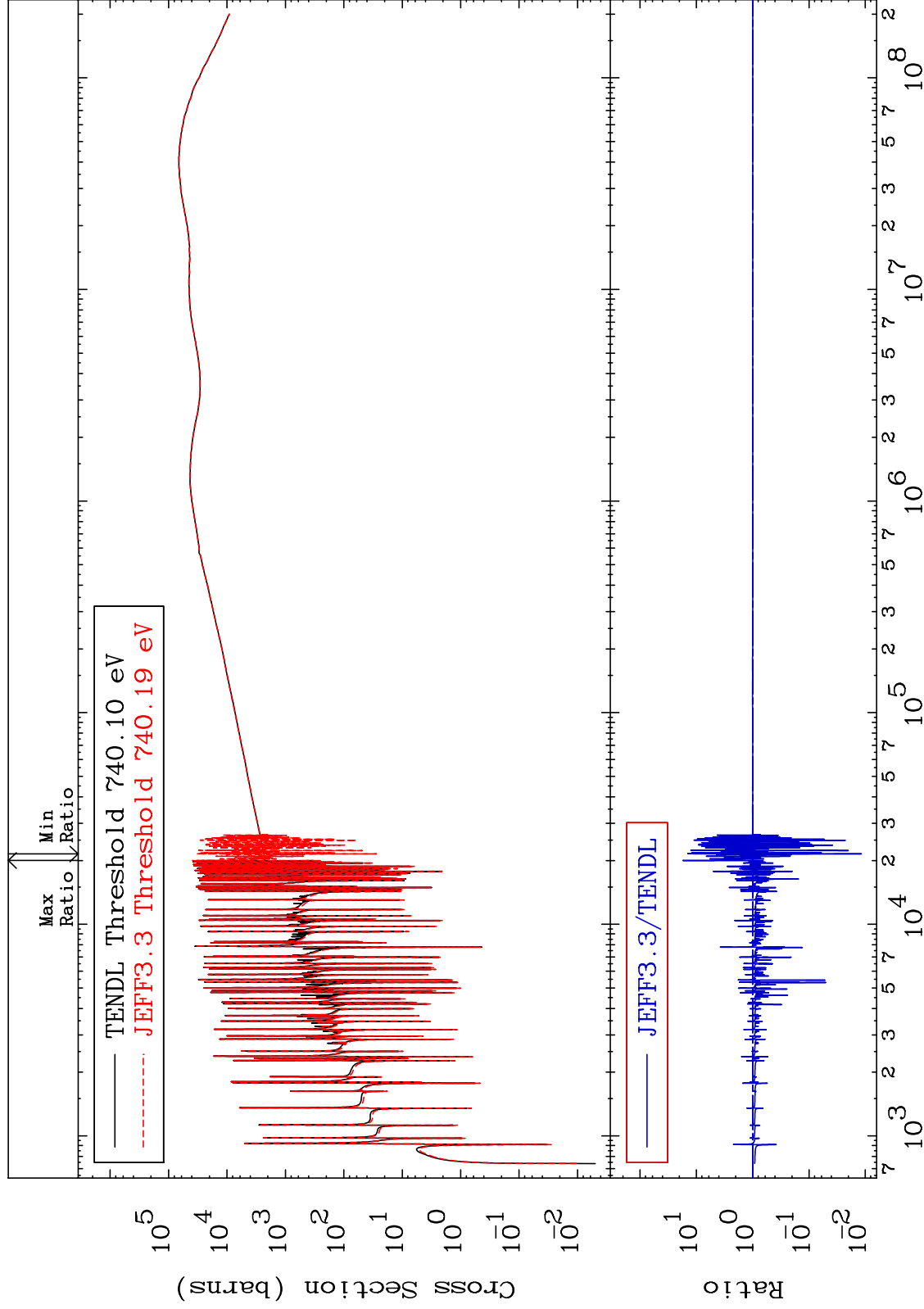
52-Te-122  
-98.79 To 1646. %



MAT 5231

Dpa elastic (mt2)  
Cross Section

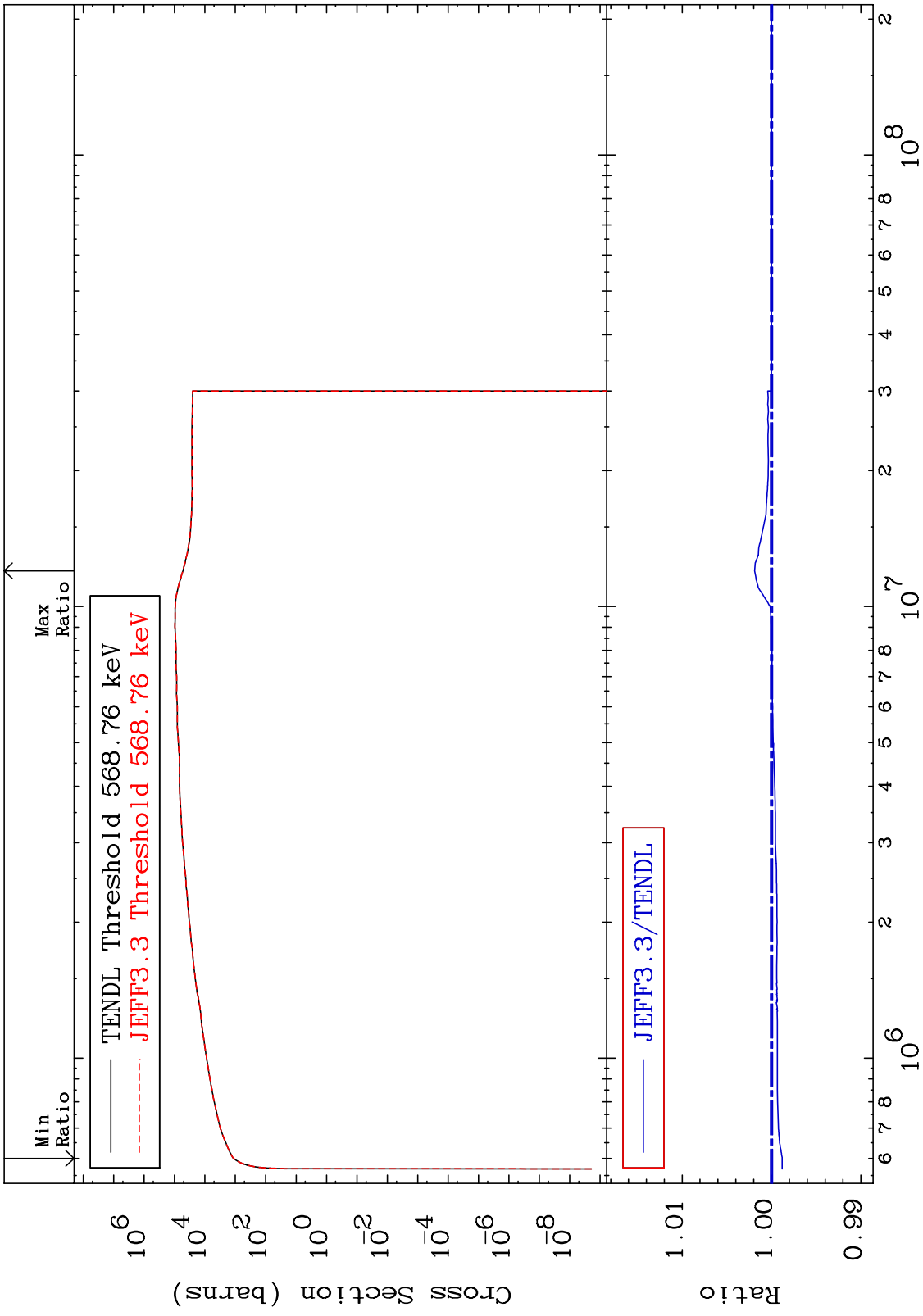
52-Te-122  
-98.82 To 1649. %



77

52-Te-122

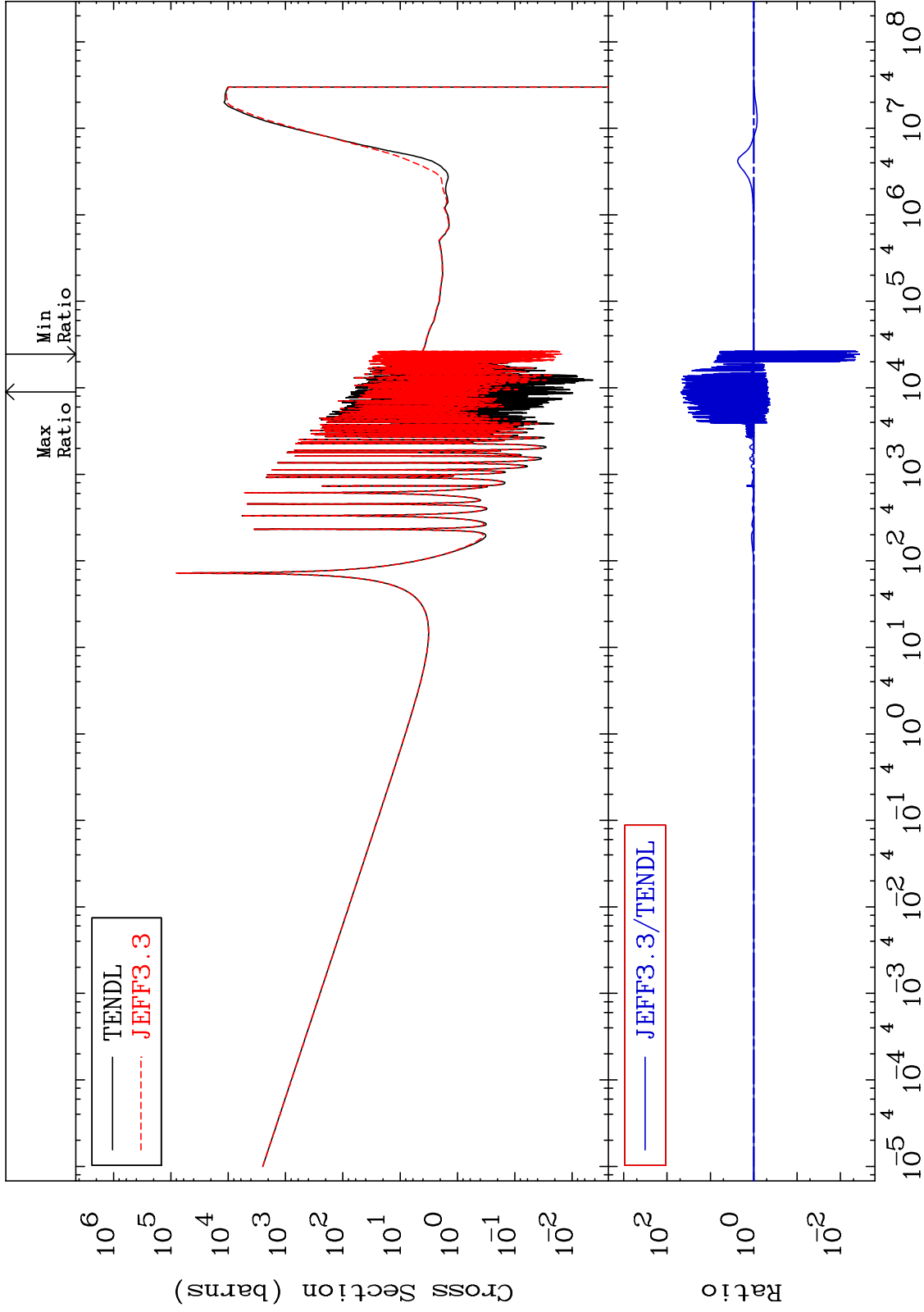
MAT 5231      Dpa inelastic (mt51-91)      52-Te-122  
 Cross Section      -0.120 To 0.189 %



MAT 5231

Dpa disappearance (mt102 -120)  
Cross Section

52-Te-122  
-99.64 To 4714. %

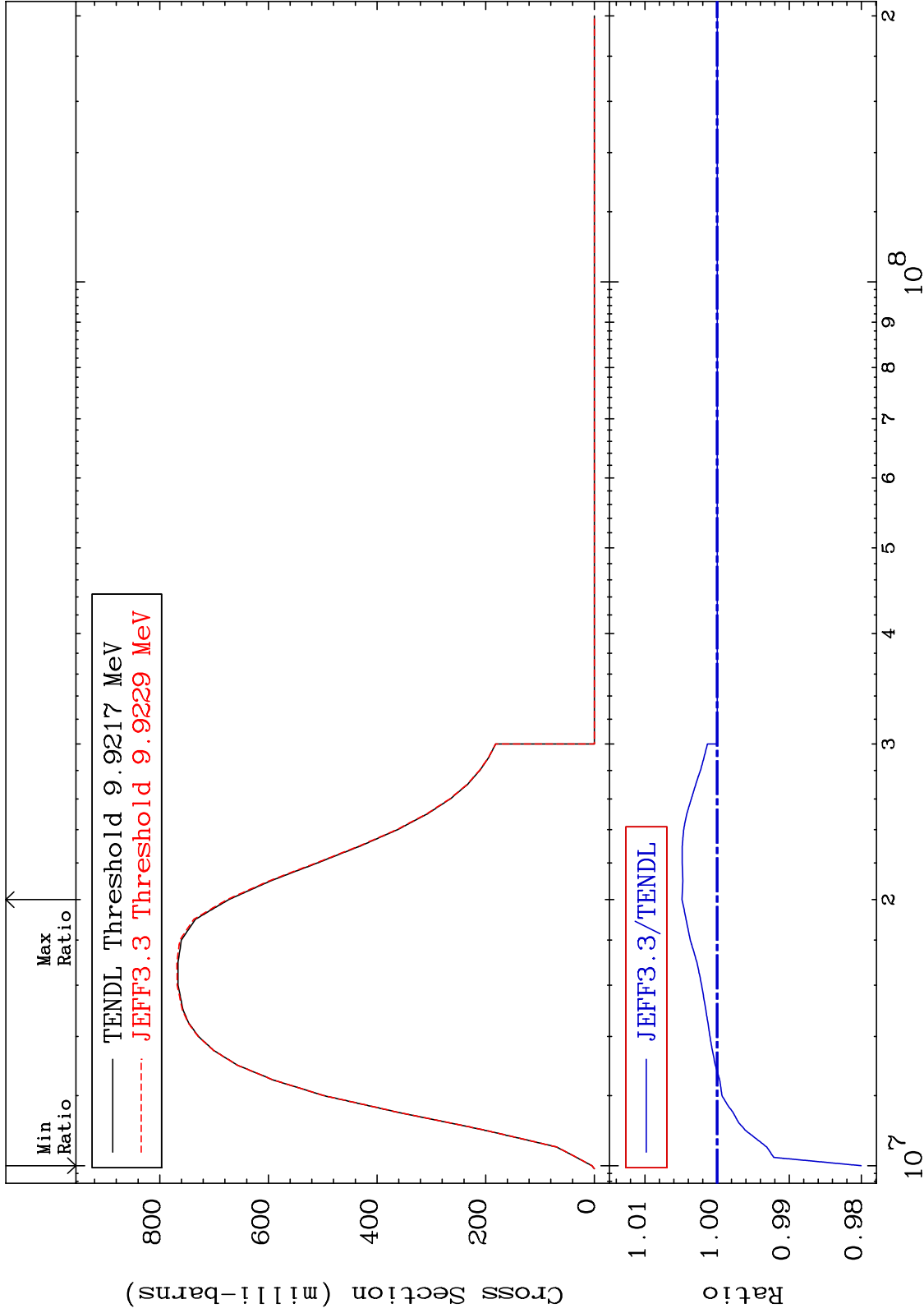


MAT 5231

(n,2n):52-Te-121g

52-Te-122

Radionuclide Production Cross Section -1.997 To 0.487 %



Incident Energy (eV)

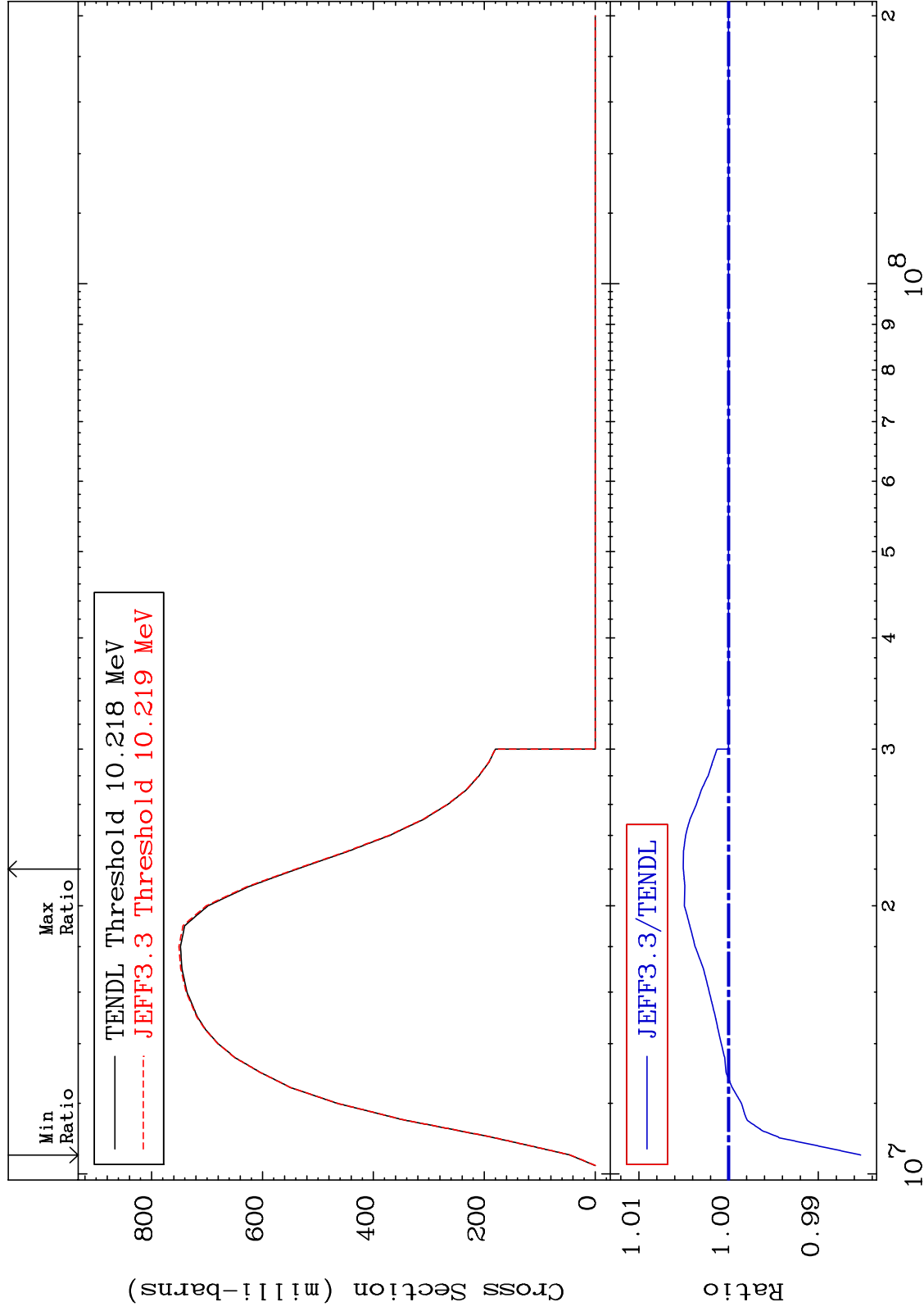
52-Te-122

MAT 5231

(n,2n):52-Te-121m2

52-Te-122

Radionuclide Production Cross Section -1.471 To 0.504 %

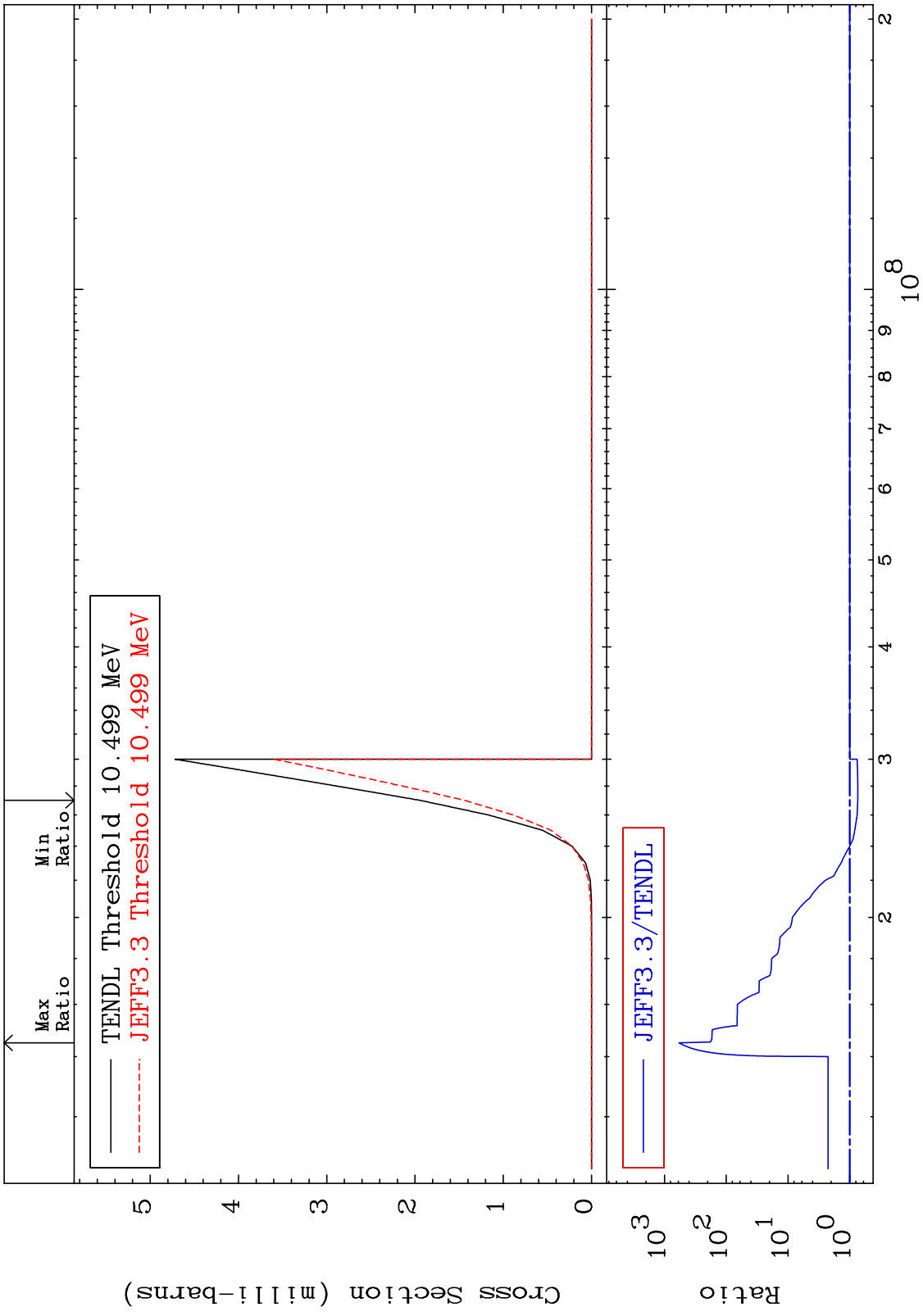


81

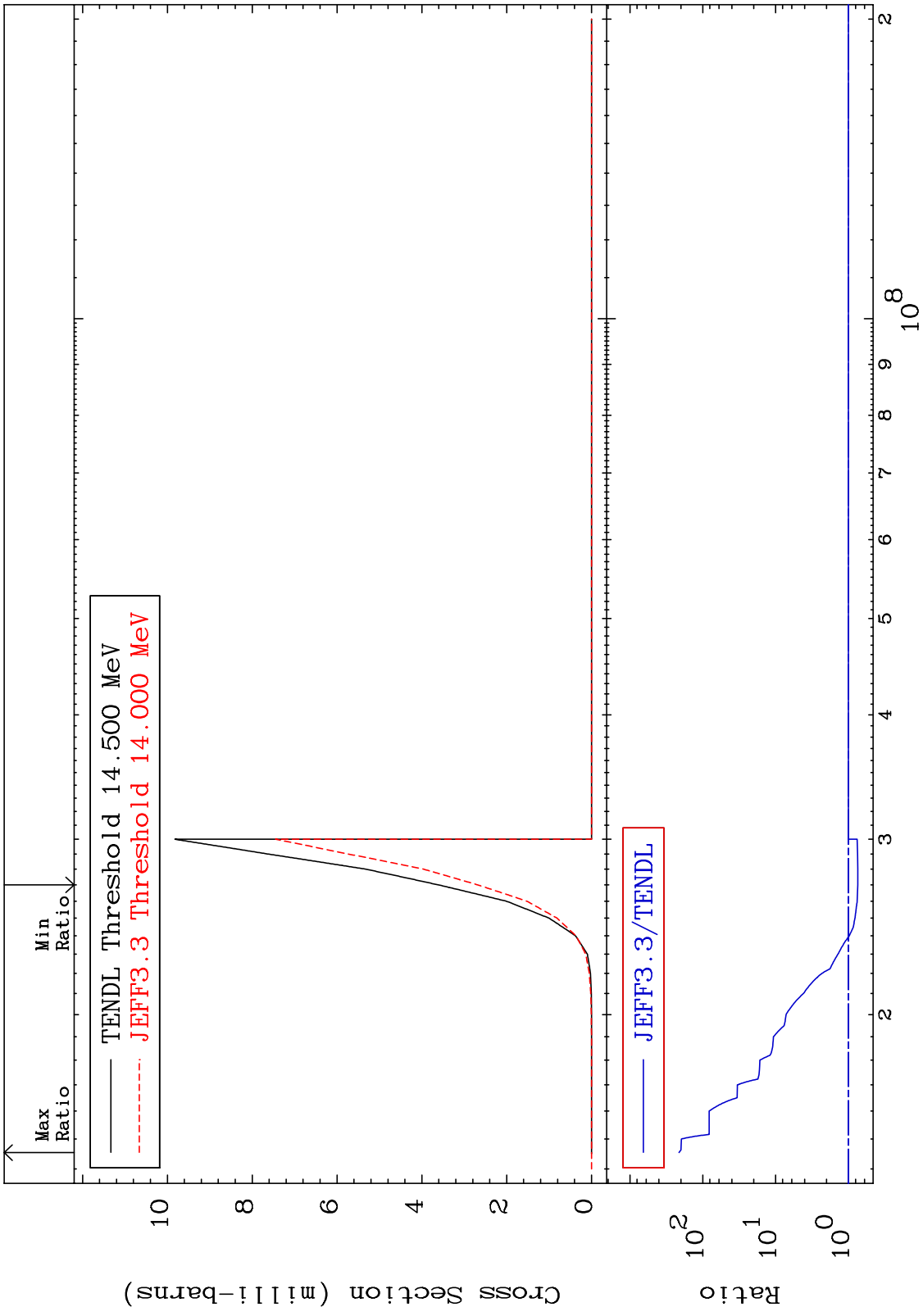
Incident Energy (eV)

52-Te-122

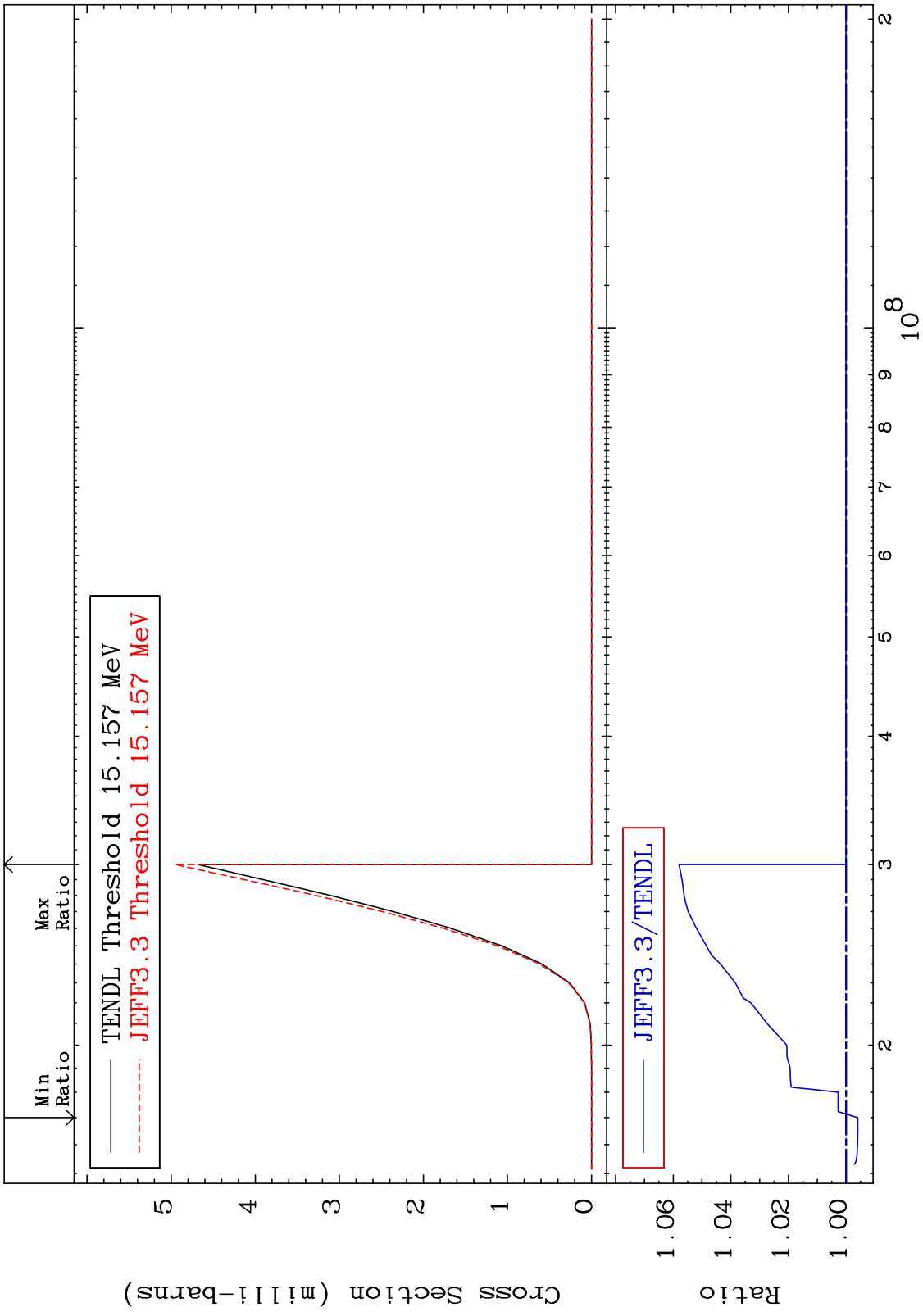
MAT 5231 (n,2n)  $\alpha$ :50-Sn-117g 52-Te-122  
 Radionuclide Production Cross Section -25.95 To 9999. %



MAT 5231 (n,2n)  $\alpha$ :50-Sn-117m2 52-Te-122  
 Radionuclide Production Cross Section -25.71 To 9999. %



MAT 5231 (n, n') d:51-Sb-120g 52-Te-122  
 Radionuclide Production Cross Section -0.408 To 5.798 %

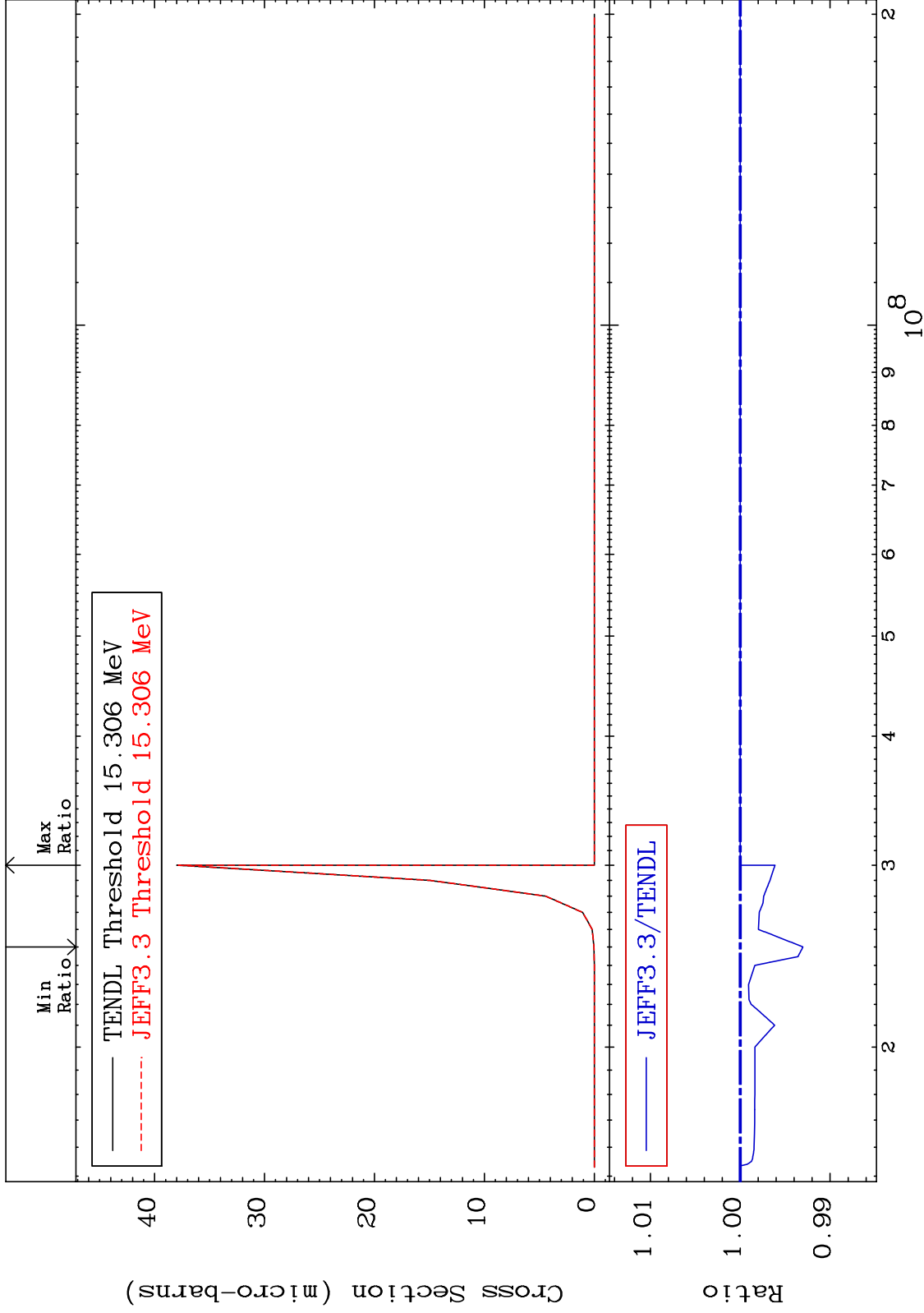


MAT 5231

(n,n') He-3:50-Sn-119g

52-Te-122

Radionuclide Production Cross Section -0.698 To 0.000 %

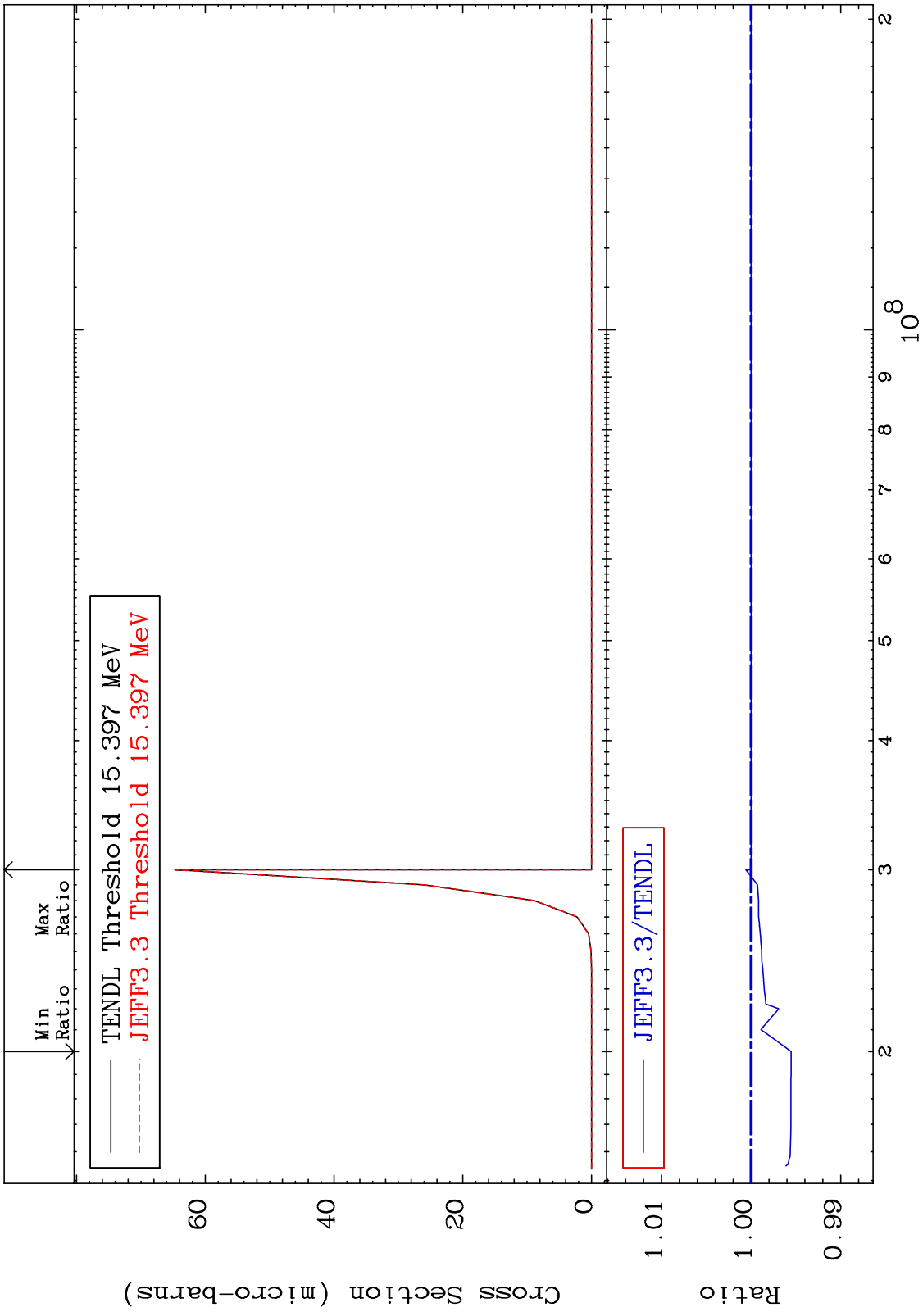


85

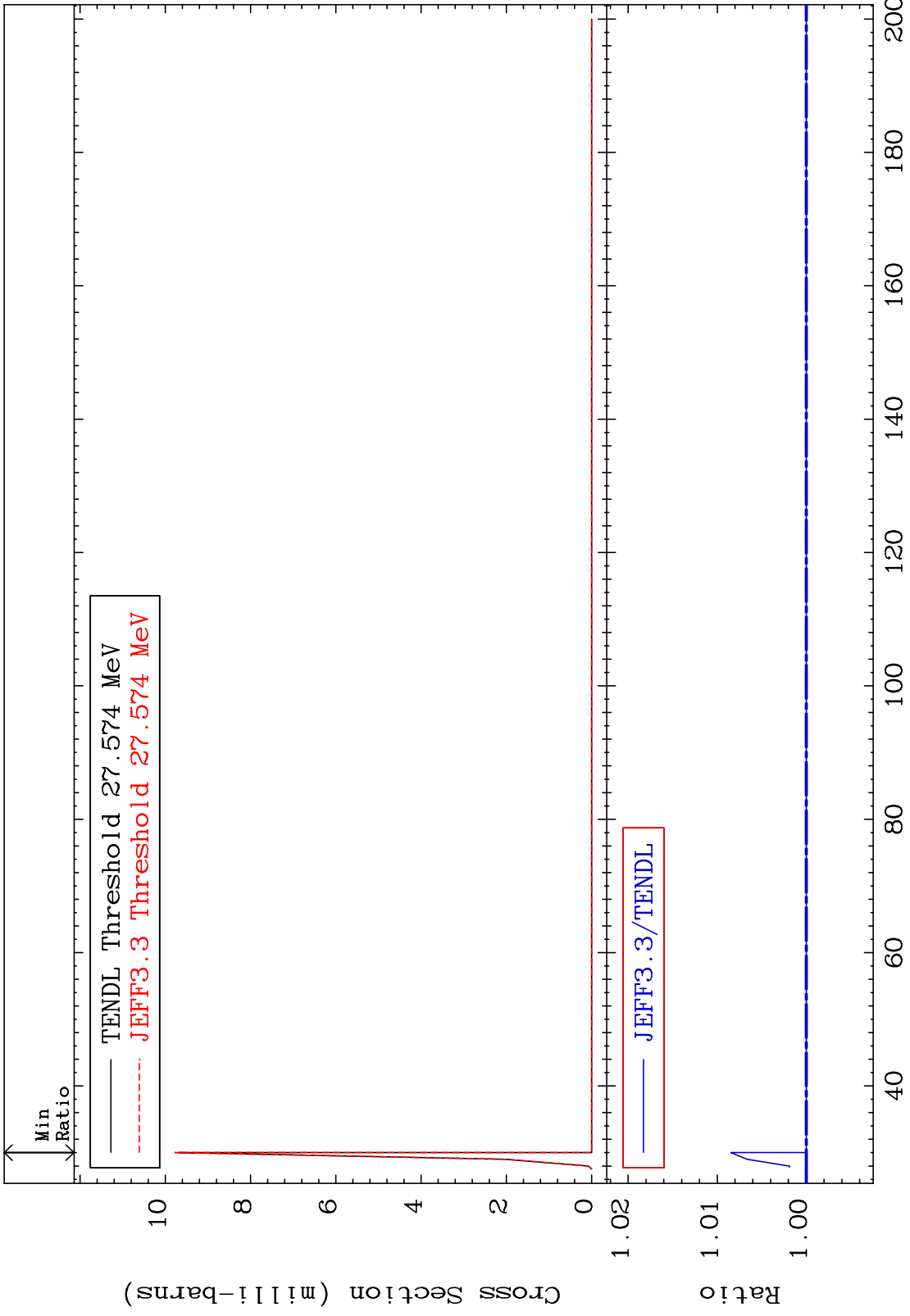
Incident Energy (eV)

52-Te-122

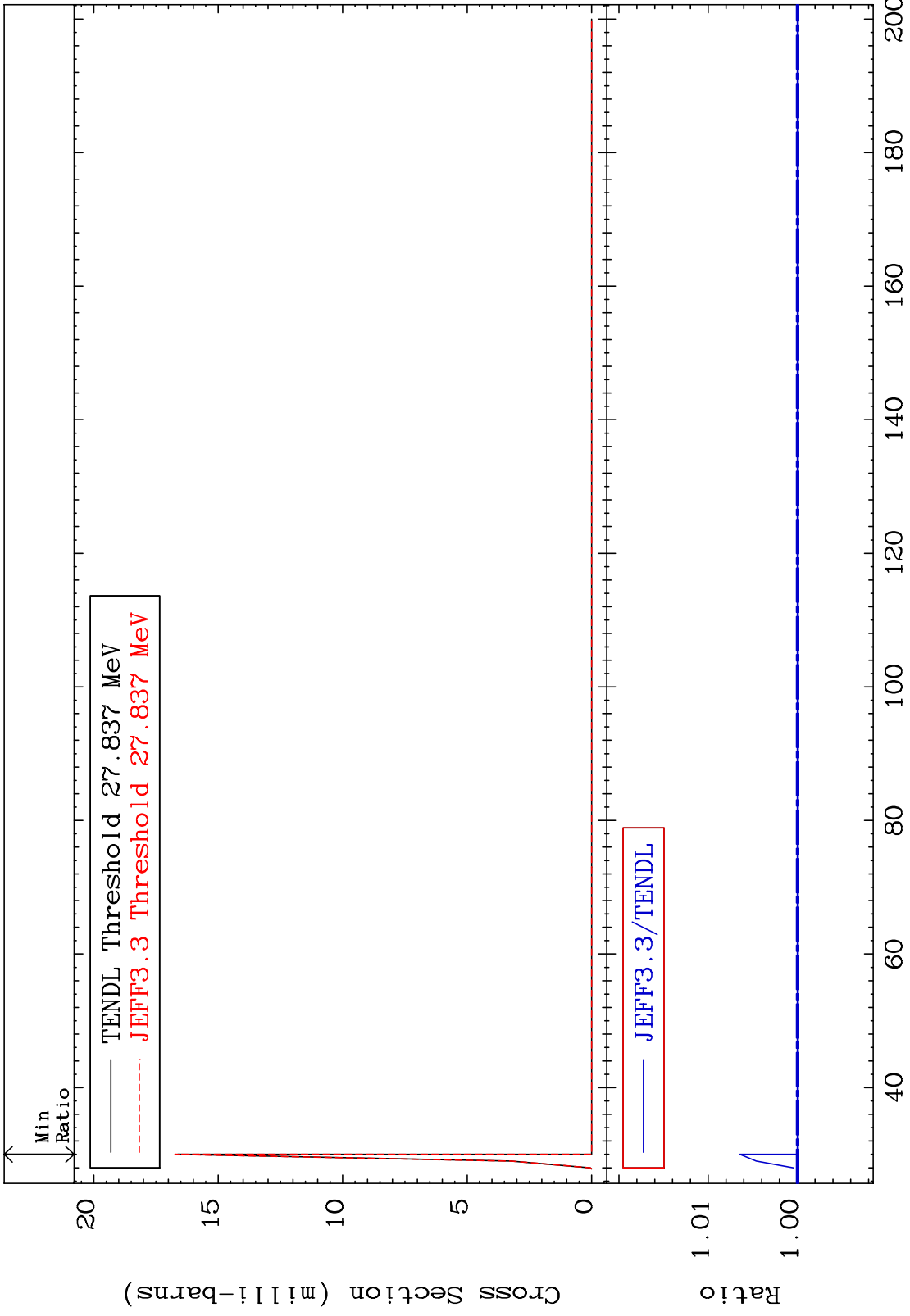
MAT 5231 (n, n') He-3:50-Sh-119m2 52-Te-122  
 Radionuclide Production Cross Section -0.446 To 0.059 %



MAT 5231 (n,4n):52-Te-119g 52-Te-122  
 Radionuclide Production Cross Section 0.000 To 0.847 %



MAT 5231 (n,4n):52-Te-119m2 52-Te-122  
Radionuclide Production Cross Section 0.000 To 0.645 %

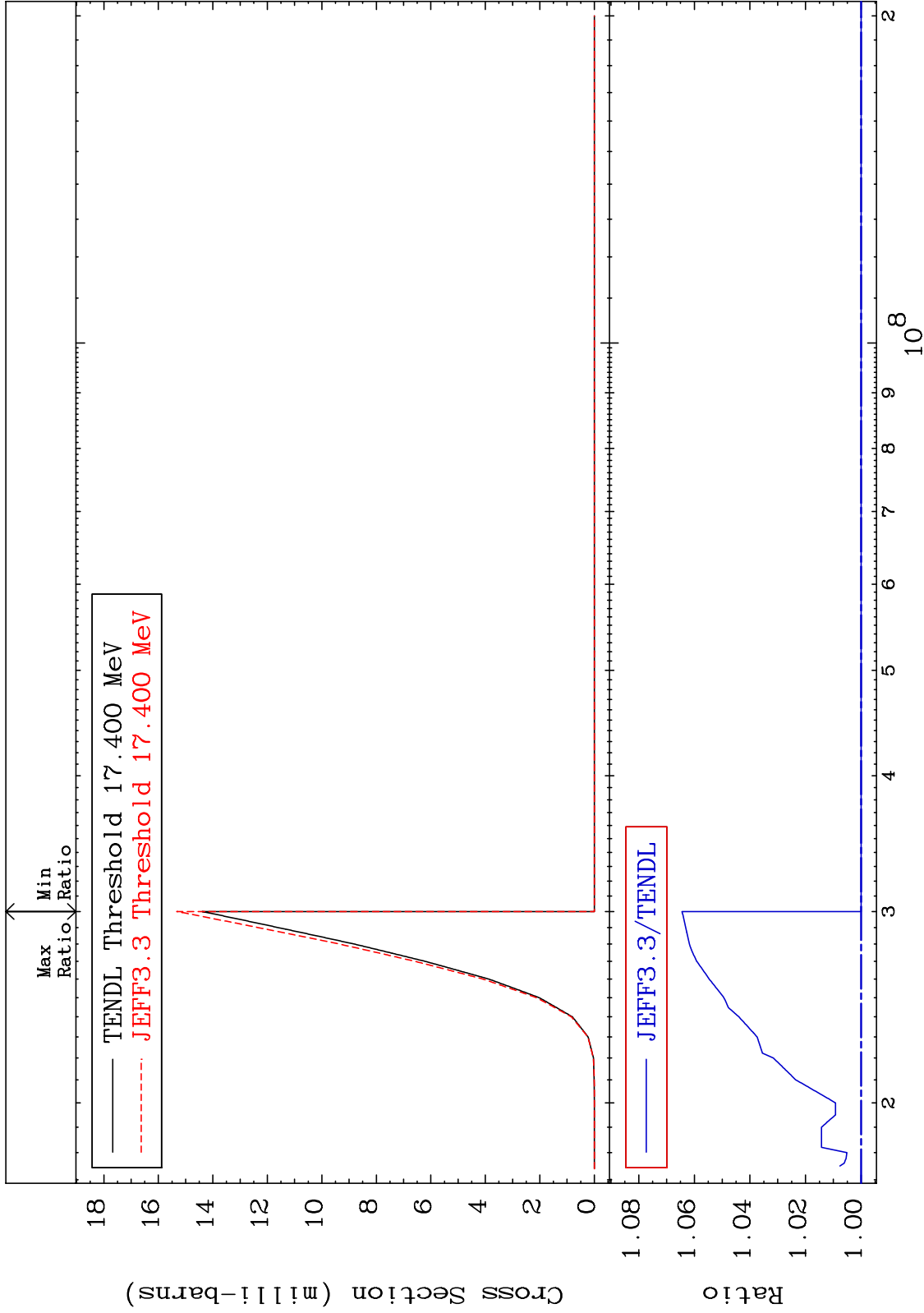


MAT 5231

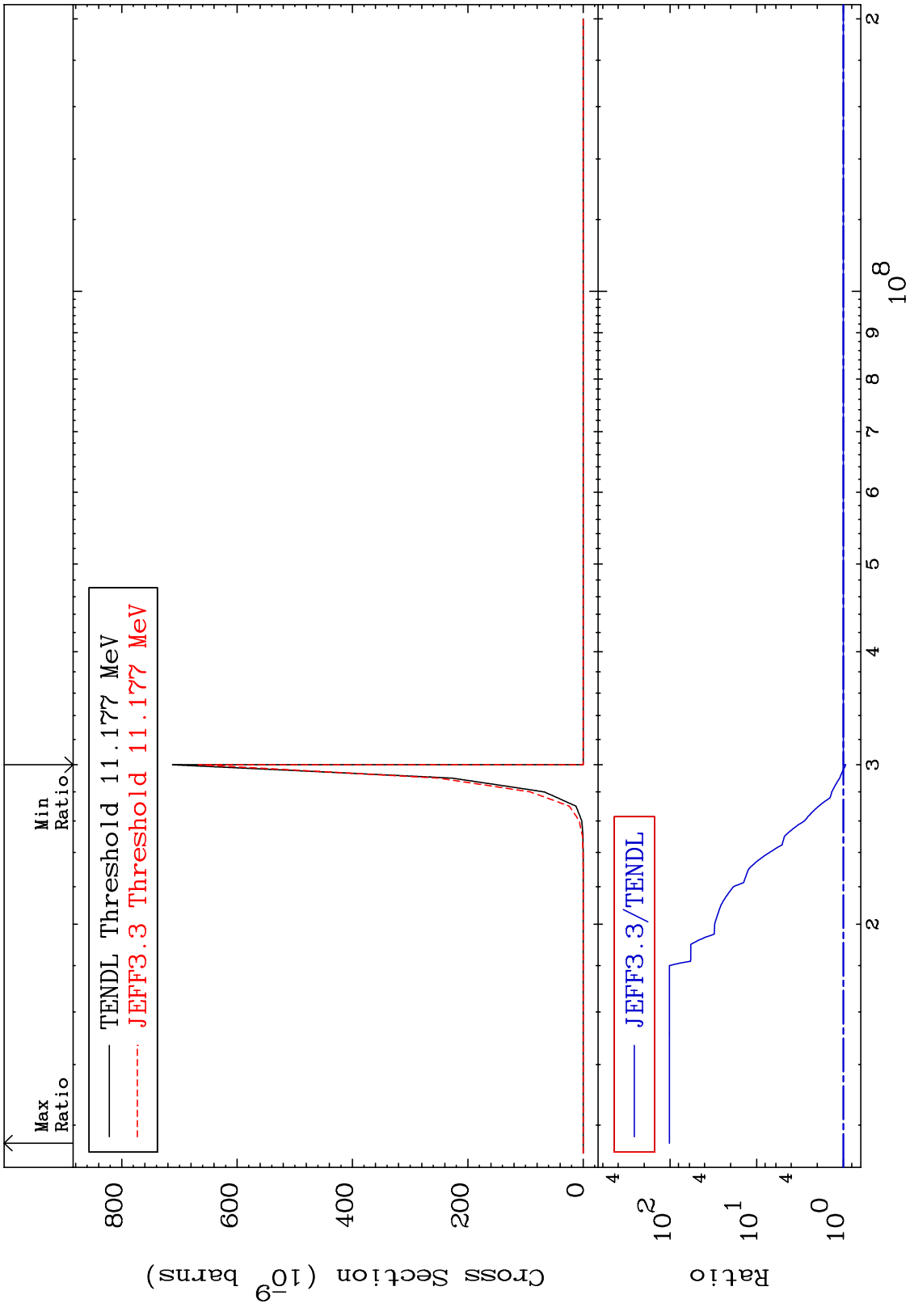
(n,2n) p:51-Sb-120g

52-Te-122

Radionuclide Production Cross Section 0.000 To 6.443 %



MAT 5231 (n,n') p α:49-In-117g 52-Te-122  
 Radionuclide Production Cross Section -6.333 To 9999. %

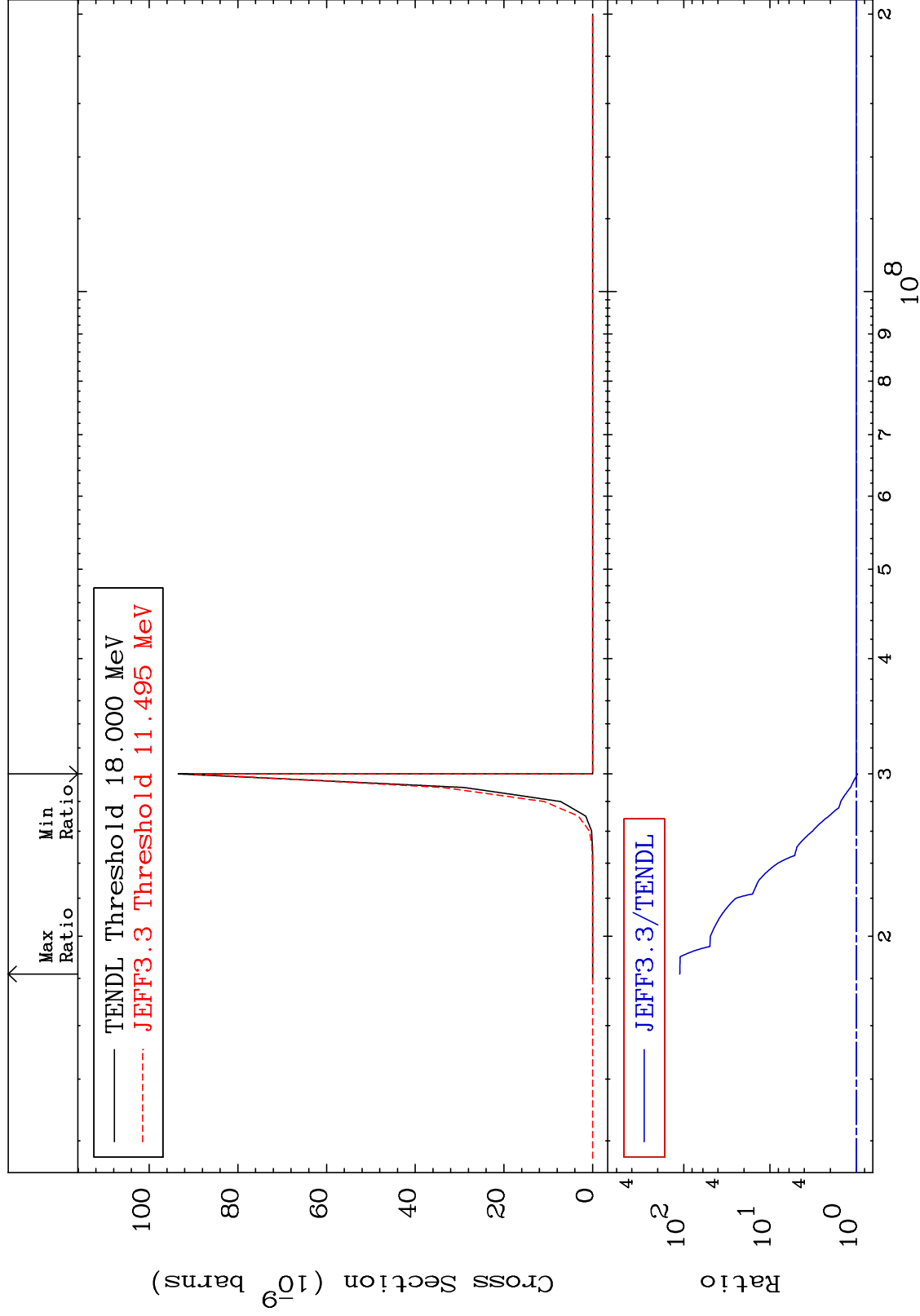


MAT 5231

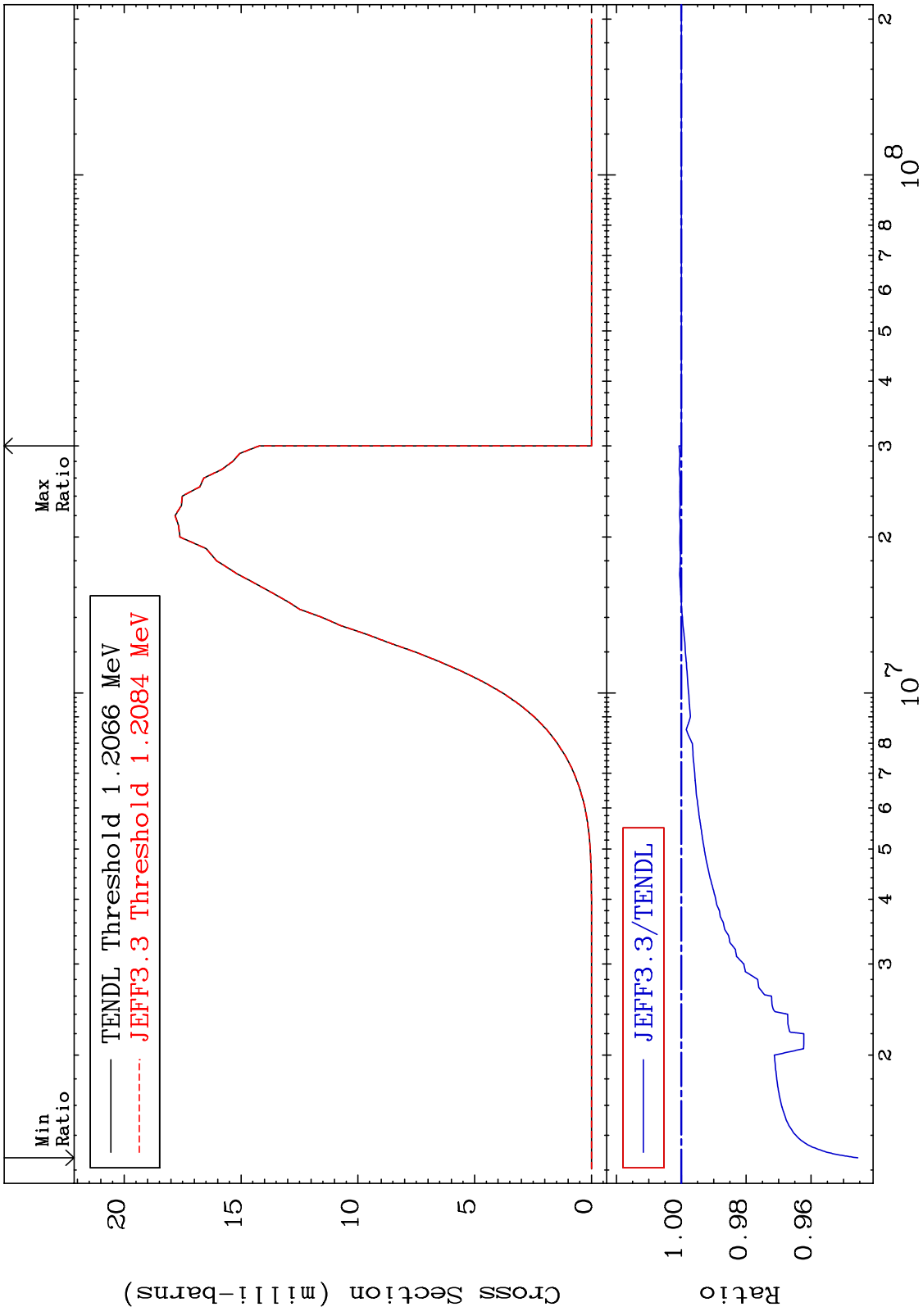
(n,n') p  $\alpha$ :49-In-117m1

52-Te-122

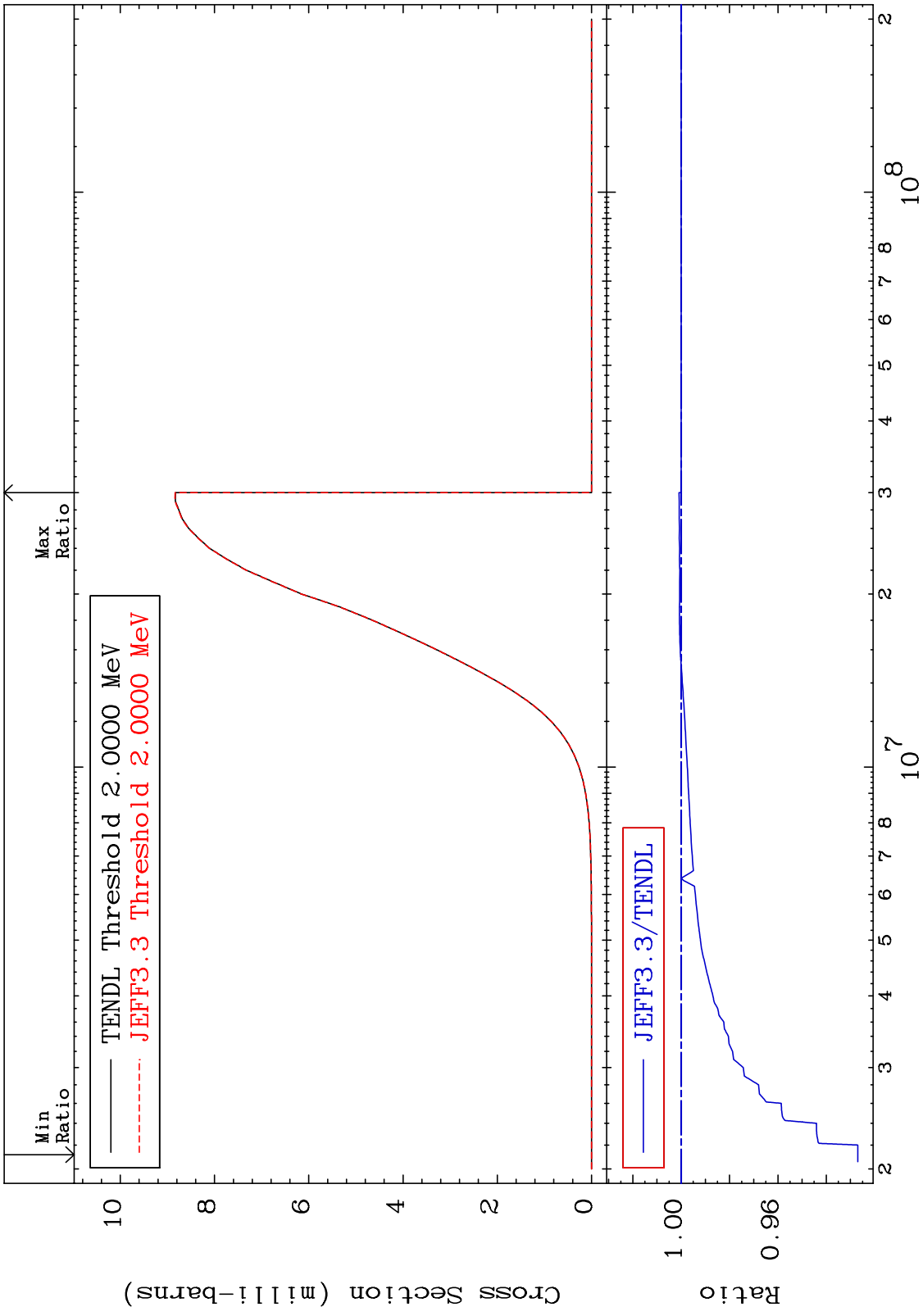
Radionuclide Production Cross Section -3.538 To 9999. %



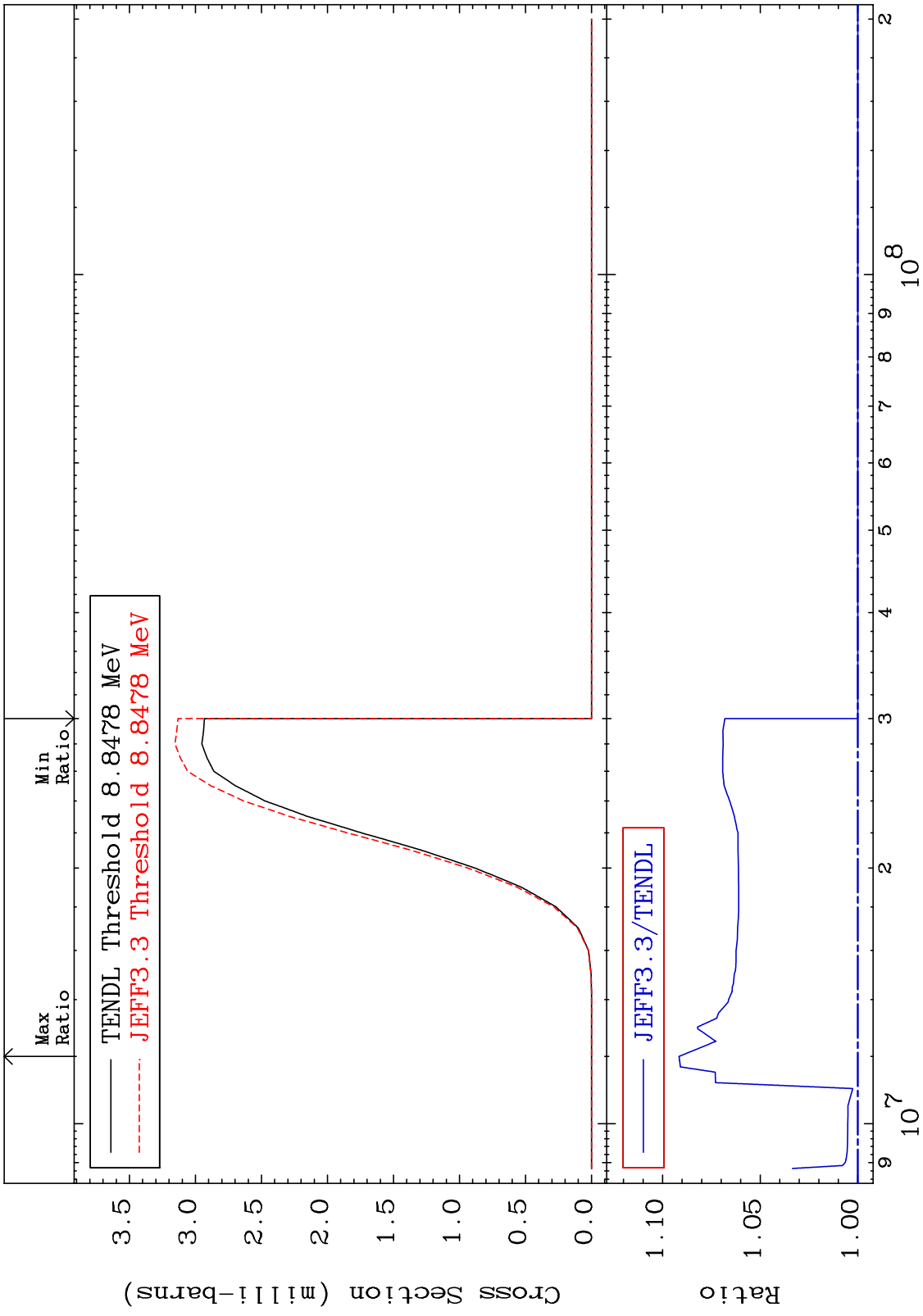
MAT 5231 (n,p):51-Sb-122g 52-Te-122  
 Radionuclide Production Cross Section -5.440 To 0.069 %



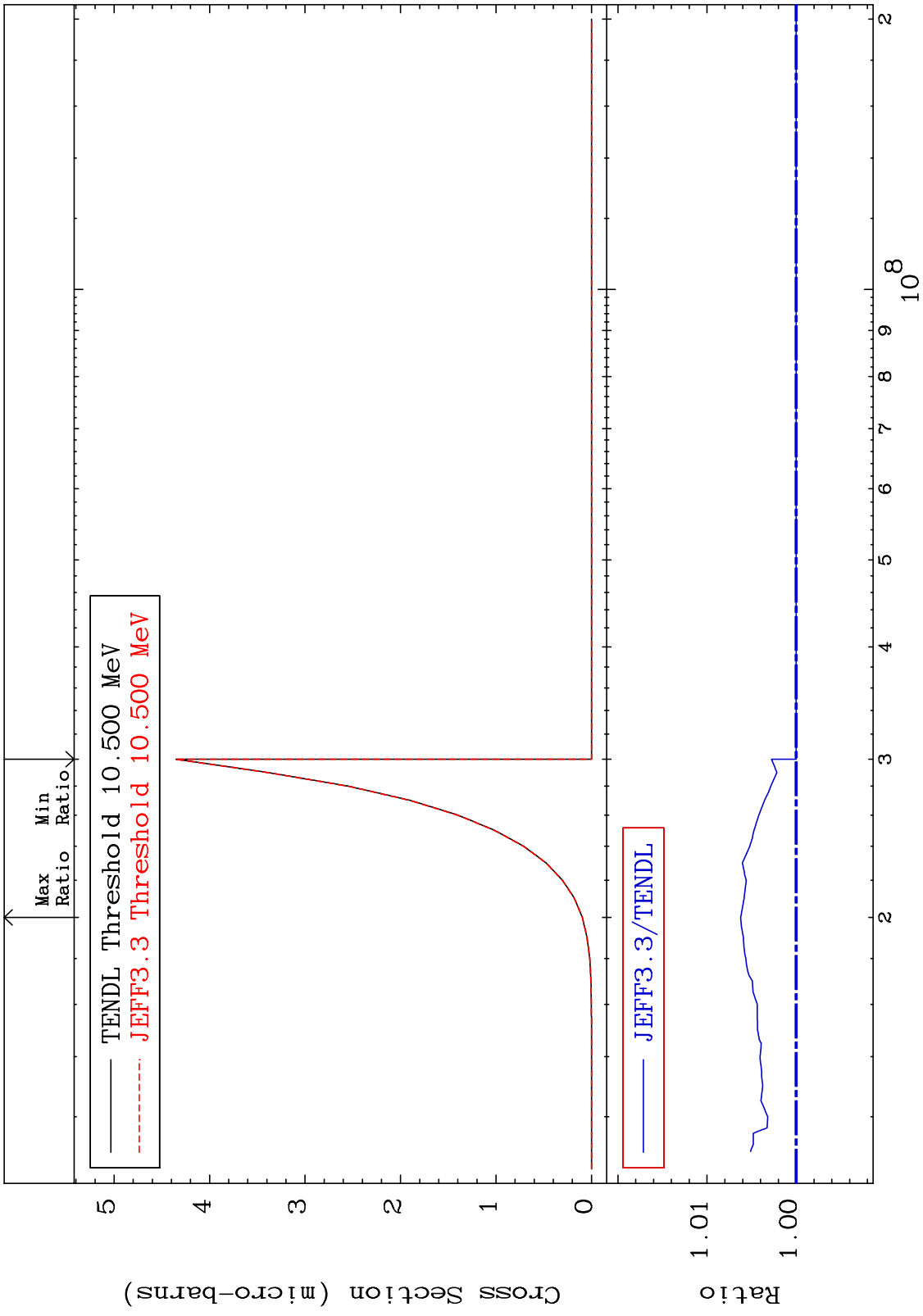
MAT 5231 (n,p):51-Sb-122m5 52-Te-122  
 Radionuclide Production Cross Section -7.306 To 0.088 %



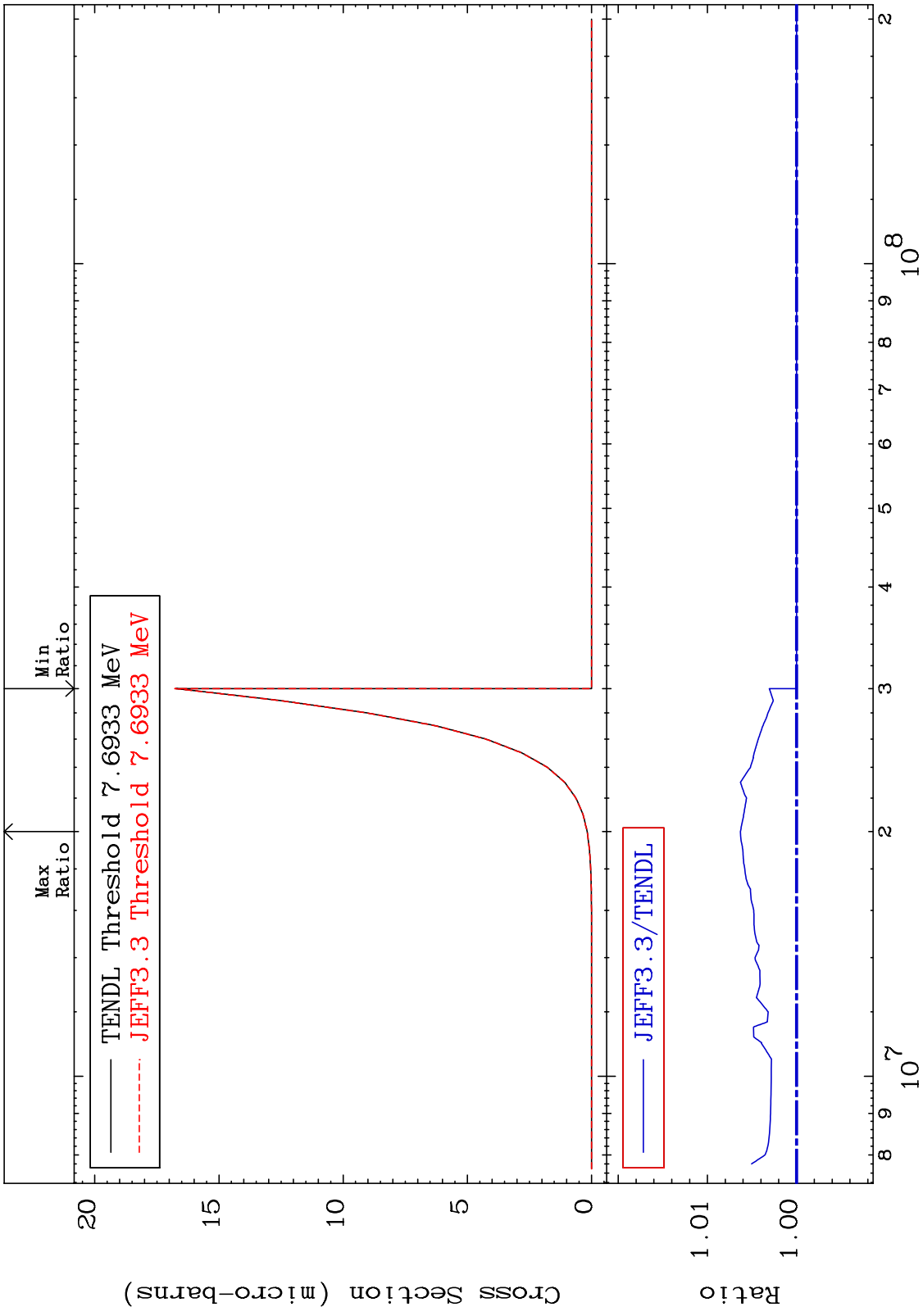
MAT 5231 (n,t):51-Sb-120g 52-Te-122  
 Radionuclide Production Cross Section 0.000 To 9.156 %



MAT 5231 (n,2p):50-Sn-121g 52-Te-122  
 Radionuclide Production Cross Section 0.000 To 0.622 %



MAT 5231 (n,2p):50-Sn-121m1 52-Te-122  
 Radionuclide Production Cross Section 0.000 To 0.630 %

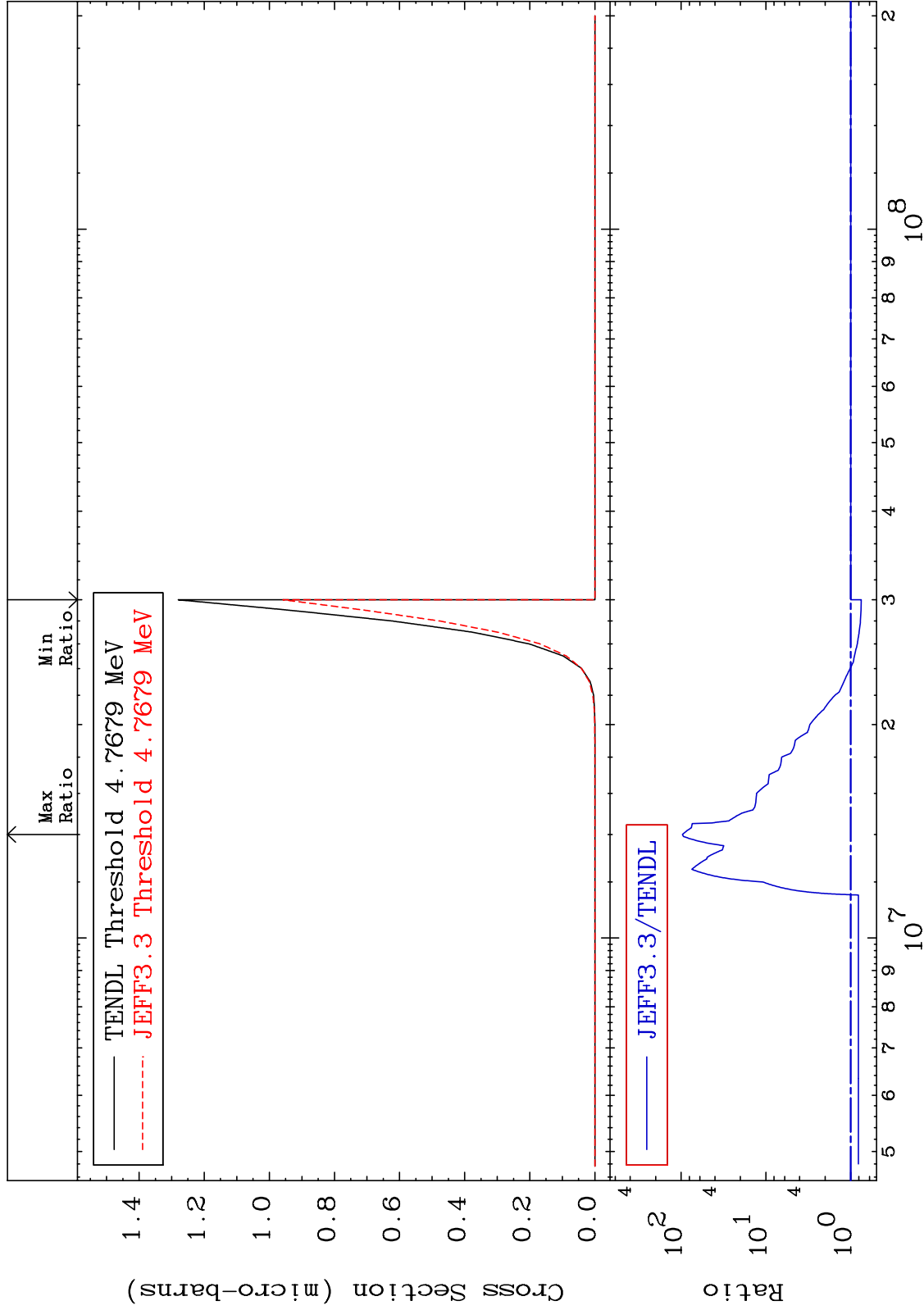


MAT 5231

(n,p)  $\alpha$ : 49-In-118g

52-Te-122

Radionuclide Production Cross Section -25.12 To 9546. %



97

Incident Energy (eV)

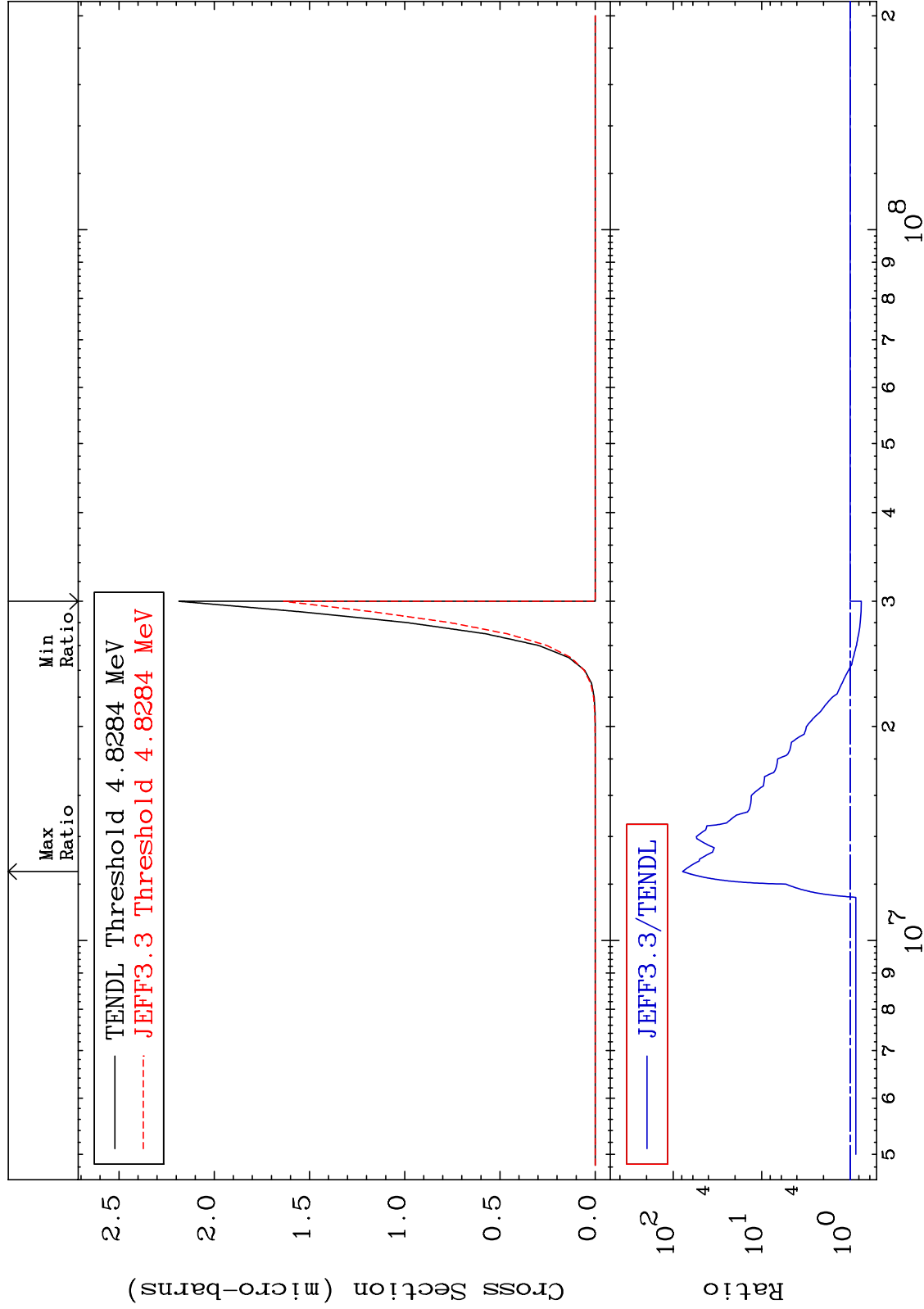
52-Te-122

MAT 5231

(n, p)  $\alpha$ :49-In-118m1

52-Te-122

Radionuclide Production Cross Section -25.15 To 7708. %

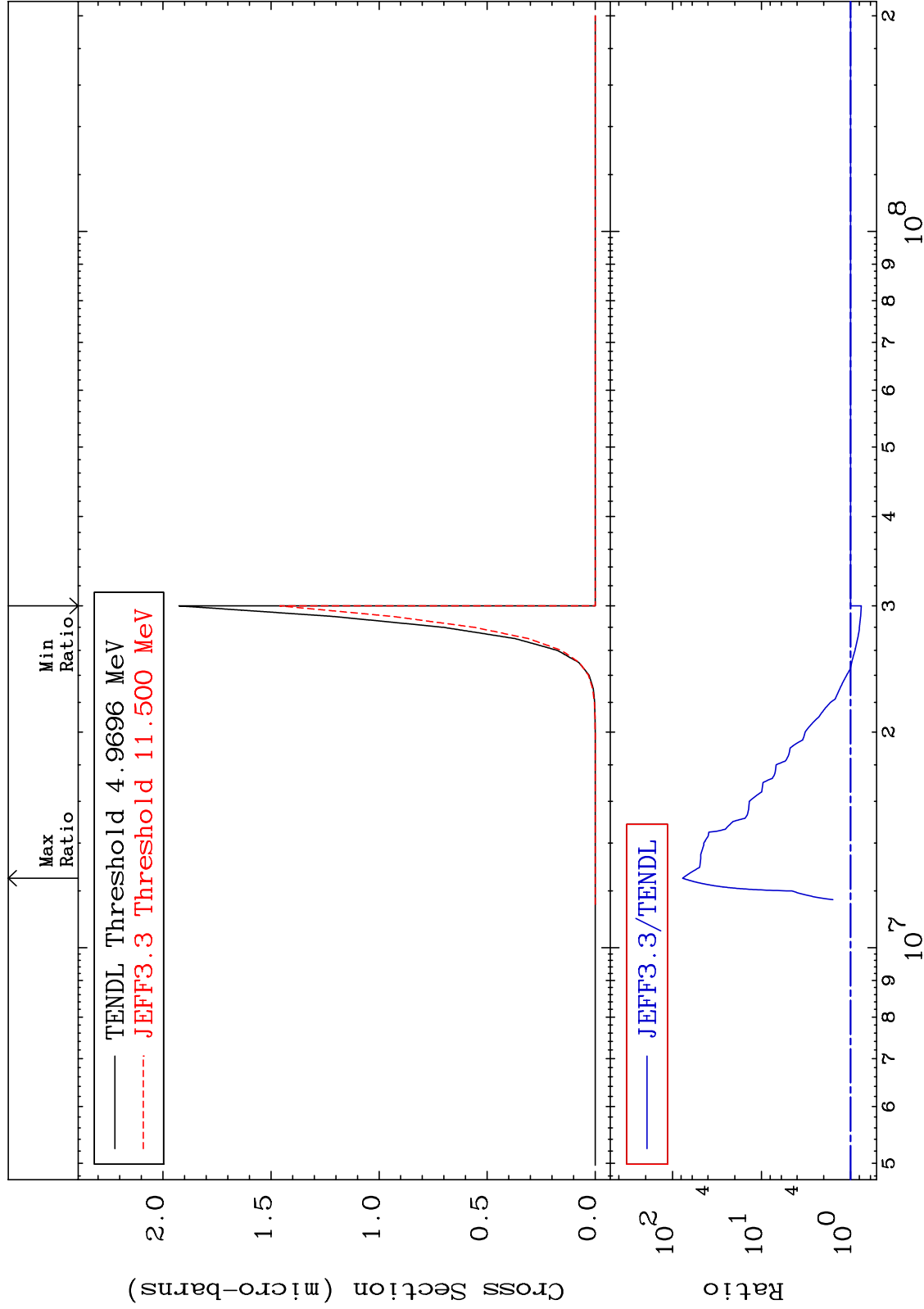


MAT 5231

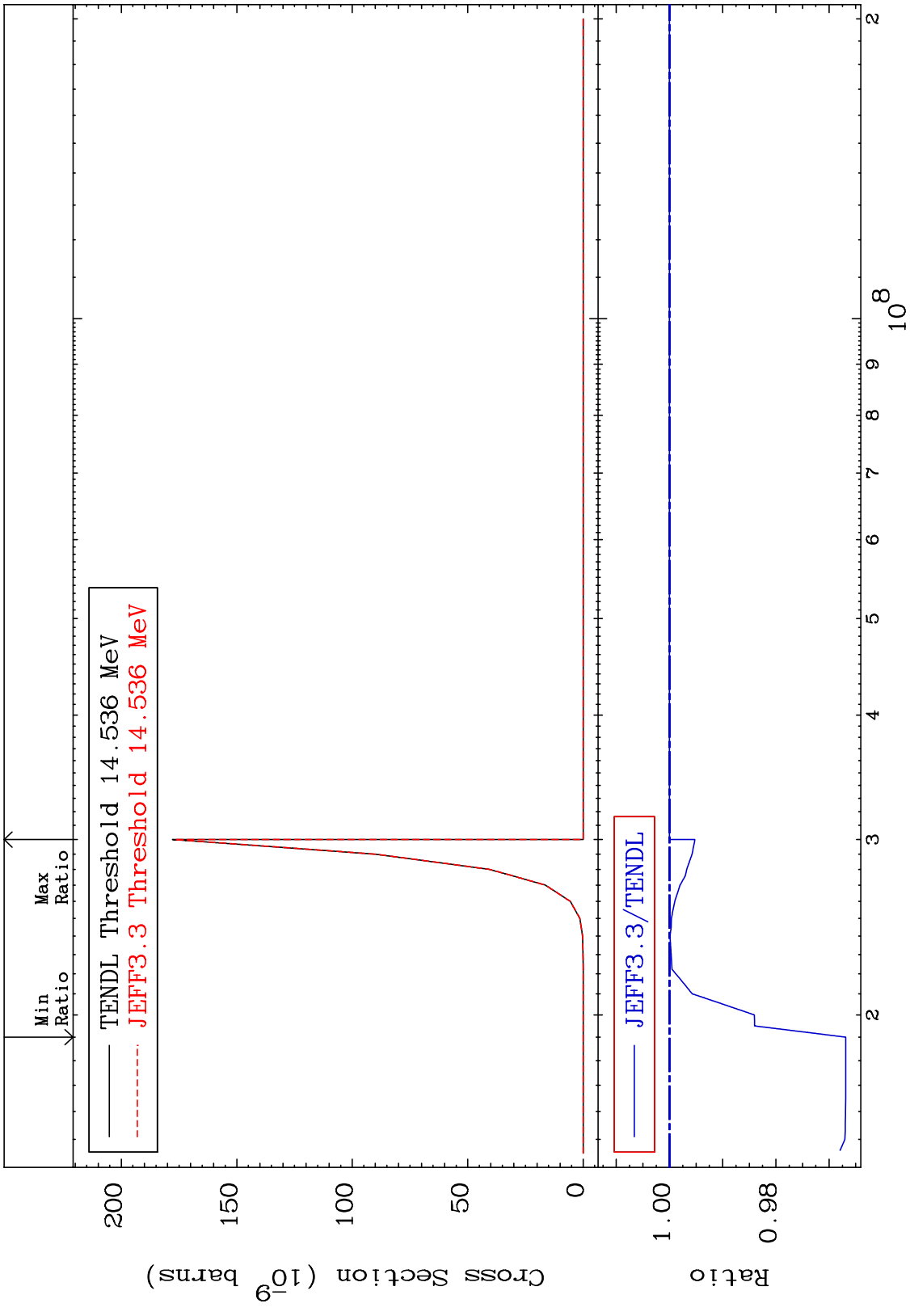
(n, p)  $\alpha$ :49-In-118m3

52-Te-122

Radionuclide Production Cross Section -24.23 To 7587. %

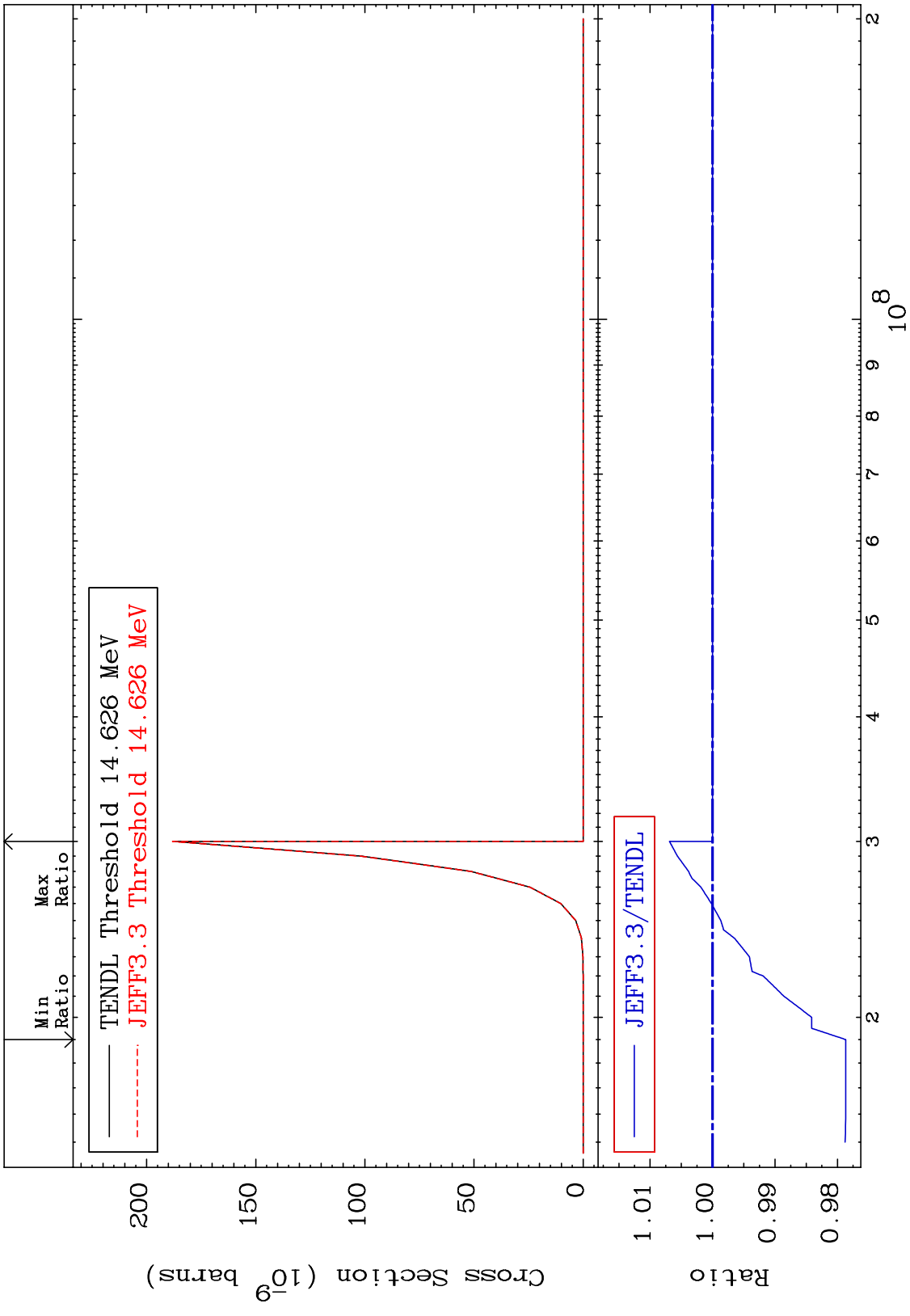


MAT 5231 (n,p) t:50-Sn-119g 52-Te-122  
Radionuclide Production Cross Section -3.313 To 0.000 %



100 Incident Energy (eV) 52-Te-122

MAT 5231 (n,p) t:50-Sn-119m2 52-Te-122  
 Radionuclide Production Cross Section -2.132 To 0.690 %

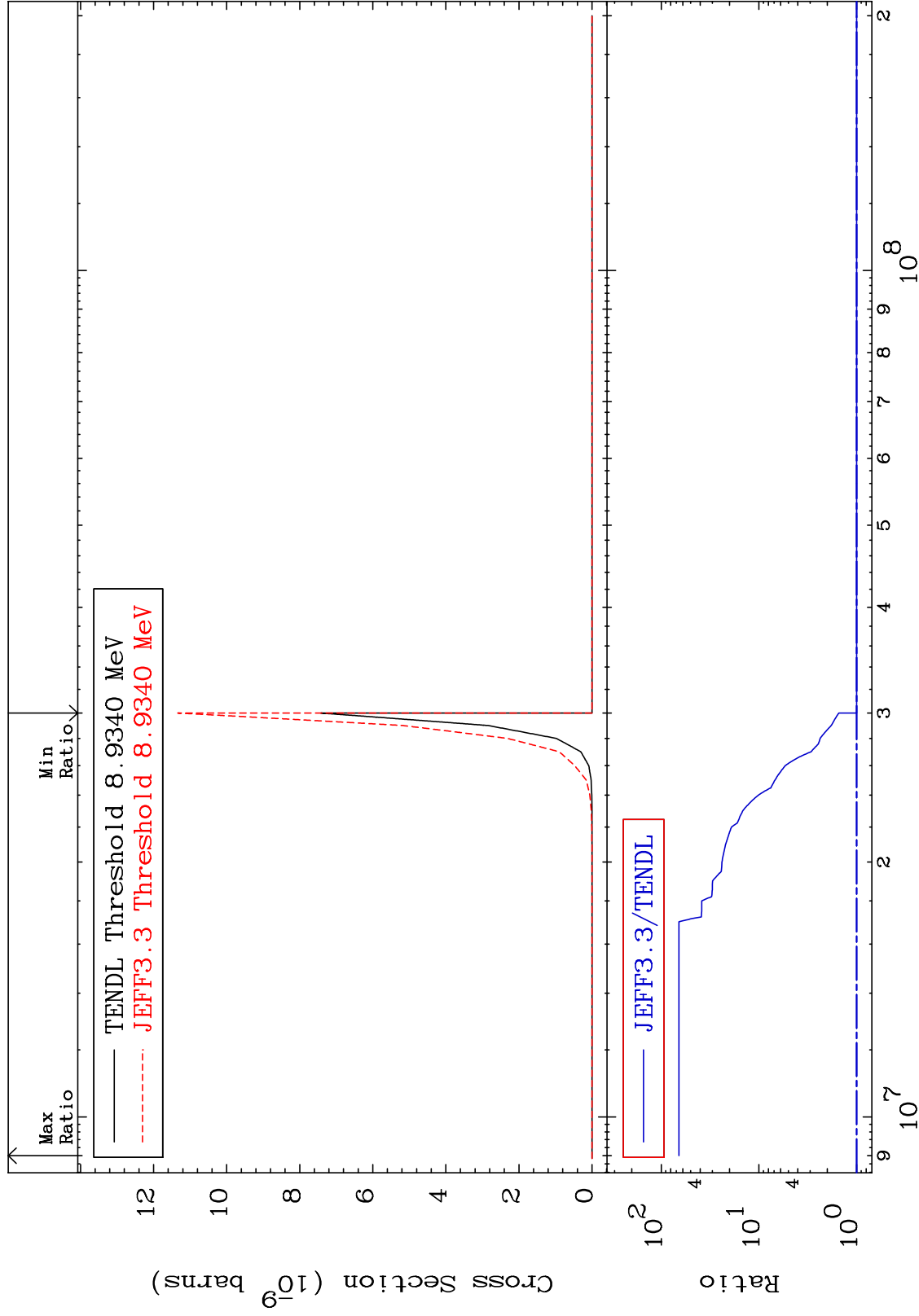


MAT 5231

(n, d)  $\alpha$ : 49-In-117g

52-Te-122

Radionuclide Production Cross Section 0.000 To 6483. %



102

Incident Energy (eV)

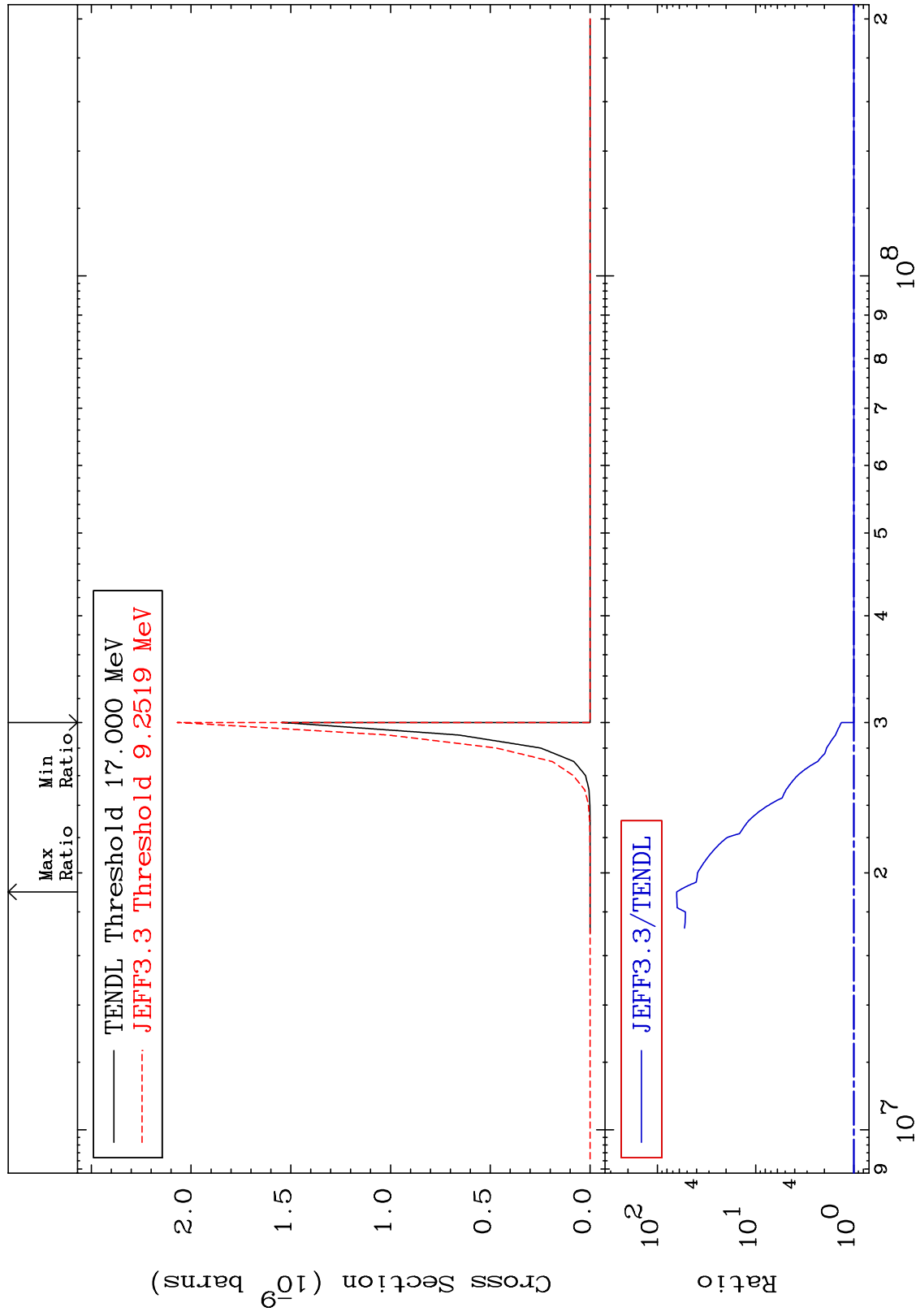
52-Te-122

MAT 5231

(n, d)  $\alpha$ :49-In-117m1

52-Te-122

Radionuclide Production Cross Section 0.000 To 6269. %



103

Incident Energy (eV)

52-Te-122