

Program Complot  
(Version 2018-1)

by

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(Present Contact Information)

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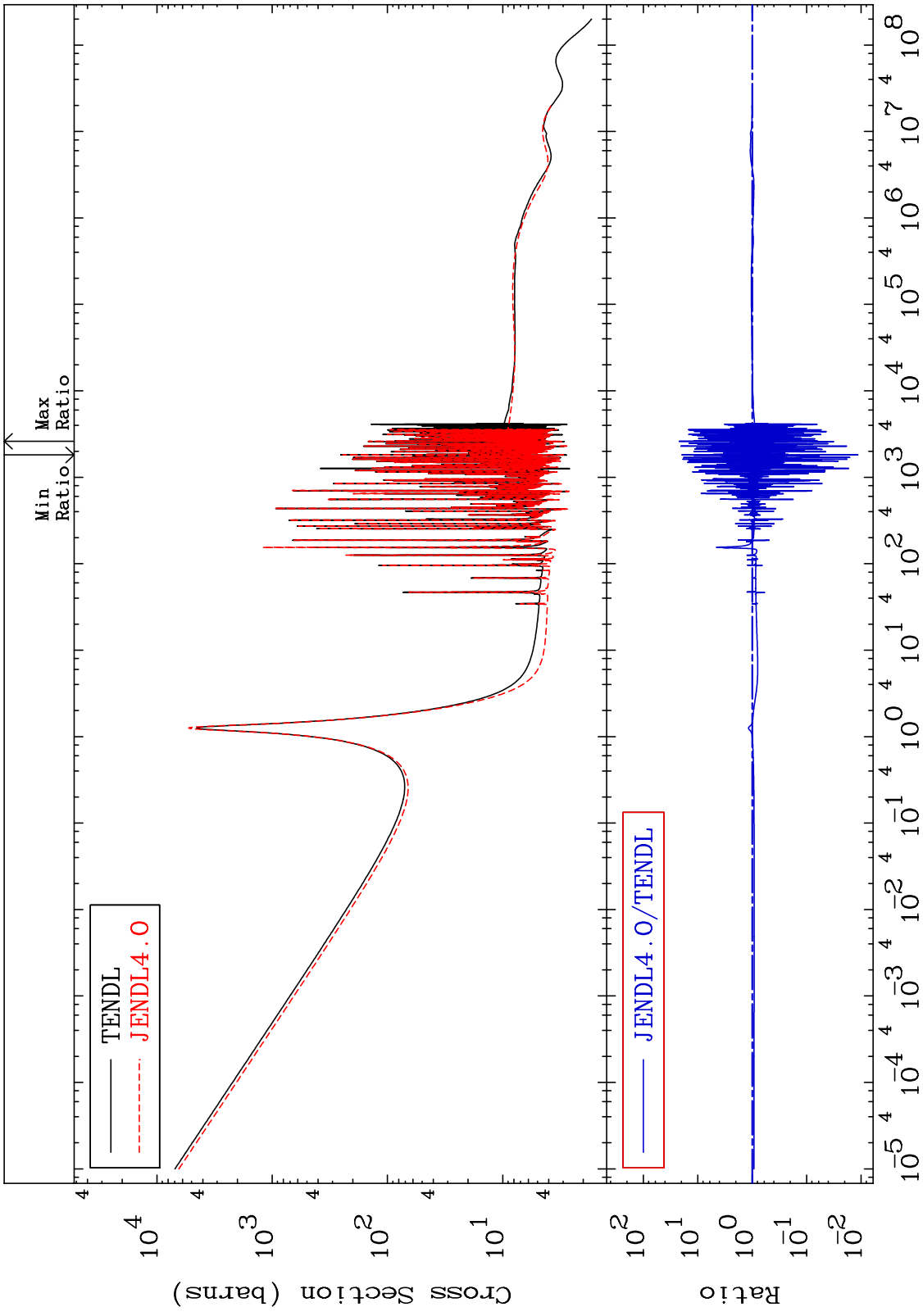
U.S.A.

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

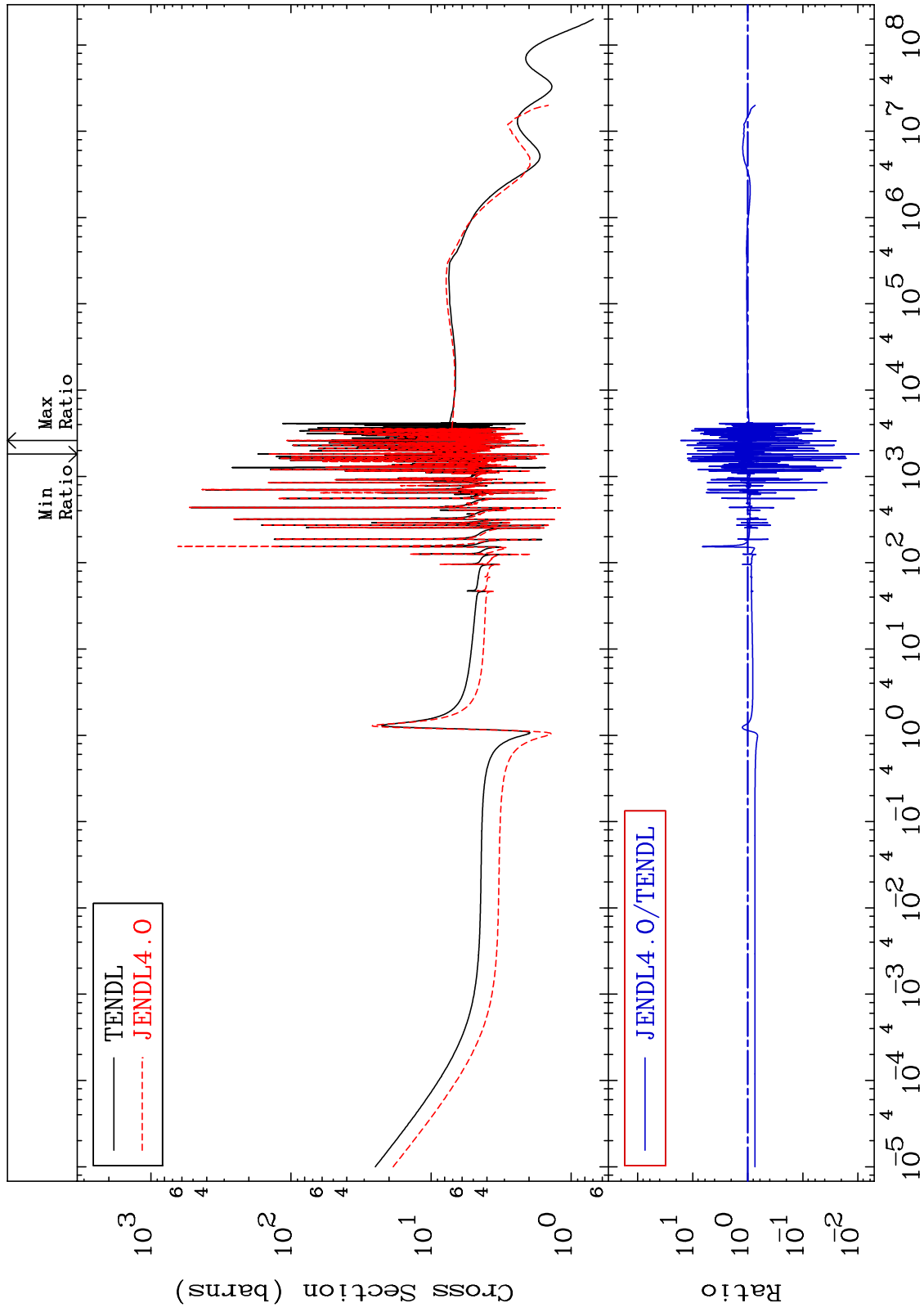
Press Mouse Button to Start

MAT 4525 45-Rh-103 -98.86 To 2110. %  
Total Cross Section



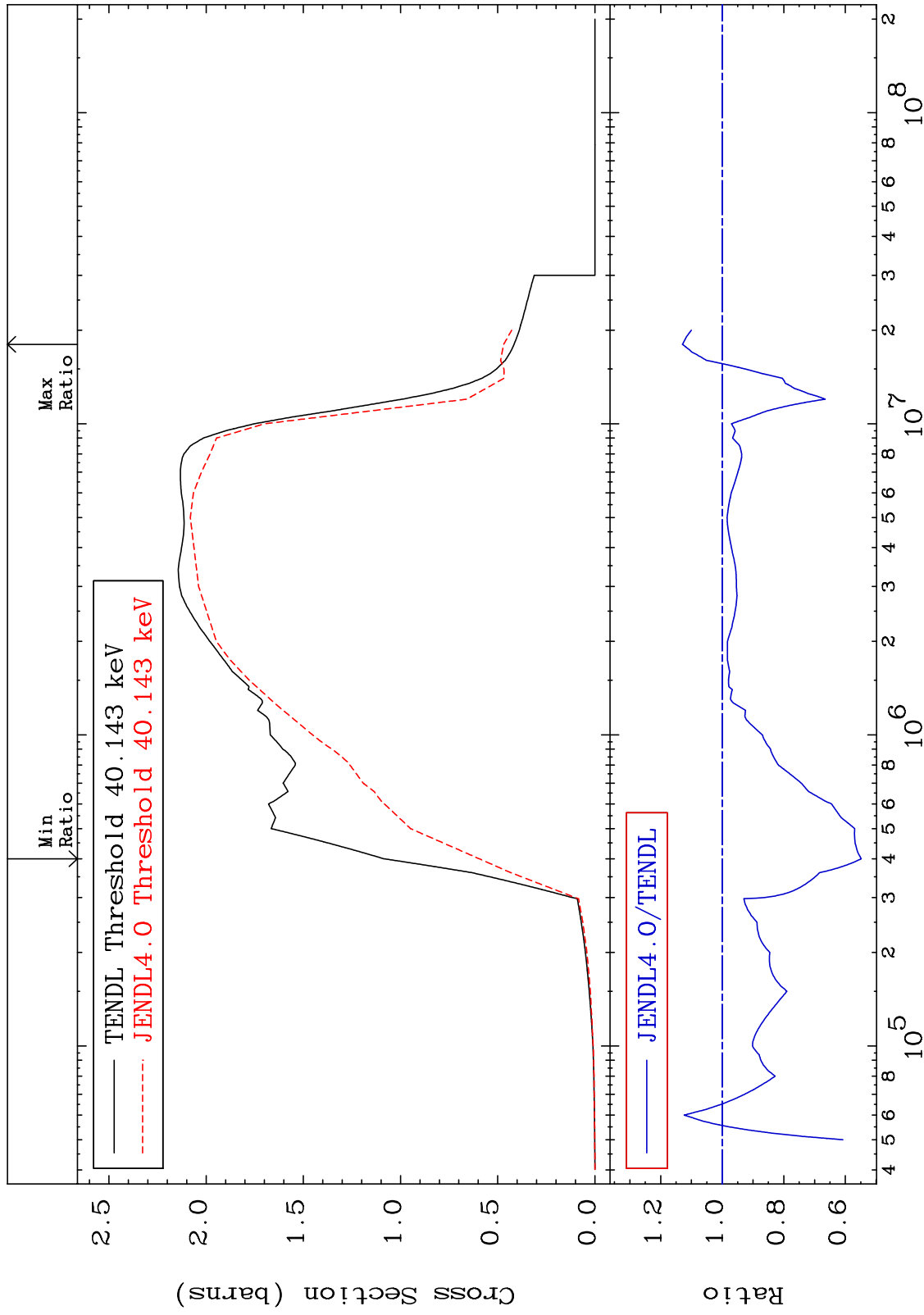
45-Rh-103  
Incident Energy (eV)

MAT 4525 Elastic Cross Section 45-Rh-103 -99.05 To 1560. %

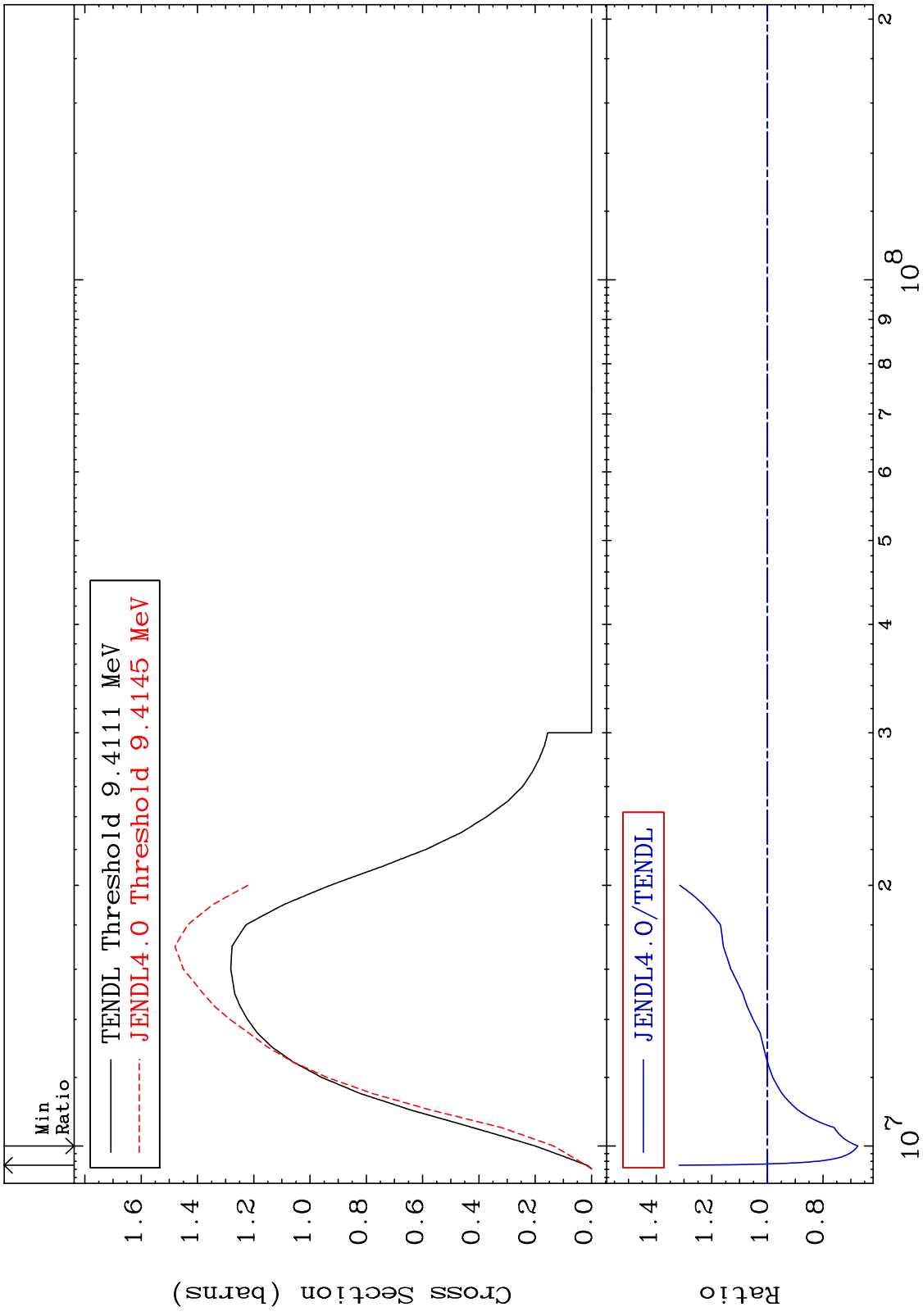


2 45-Rh-103

MAT 4525 45-Rh-103 -45.17 To 12.92 % Inelastic Cross Section

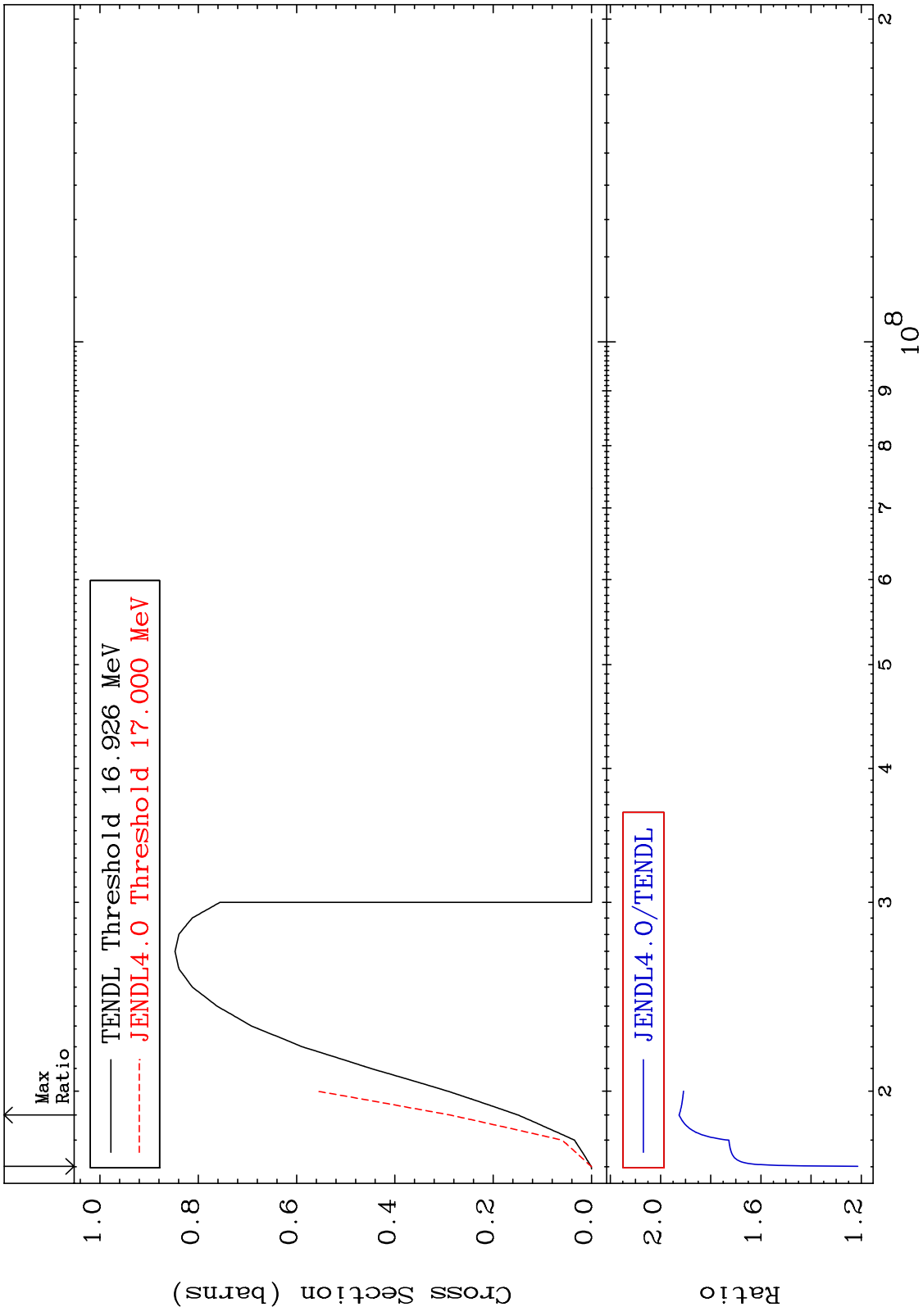


MAT 4525 (n,2n) Cross Section 45-Rh-103 -32.55 To 31.79 %

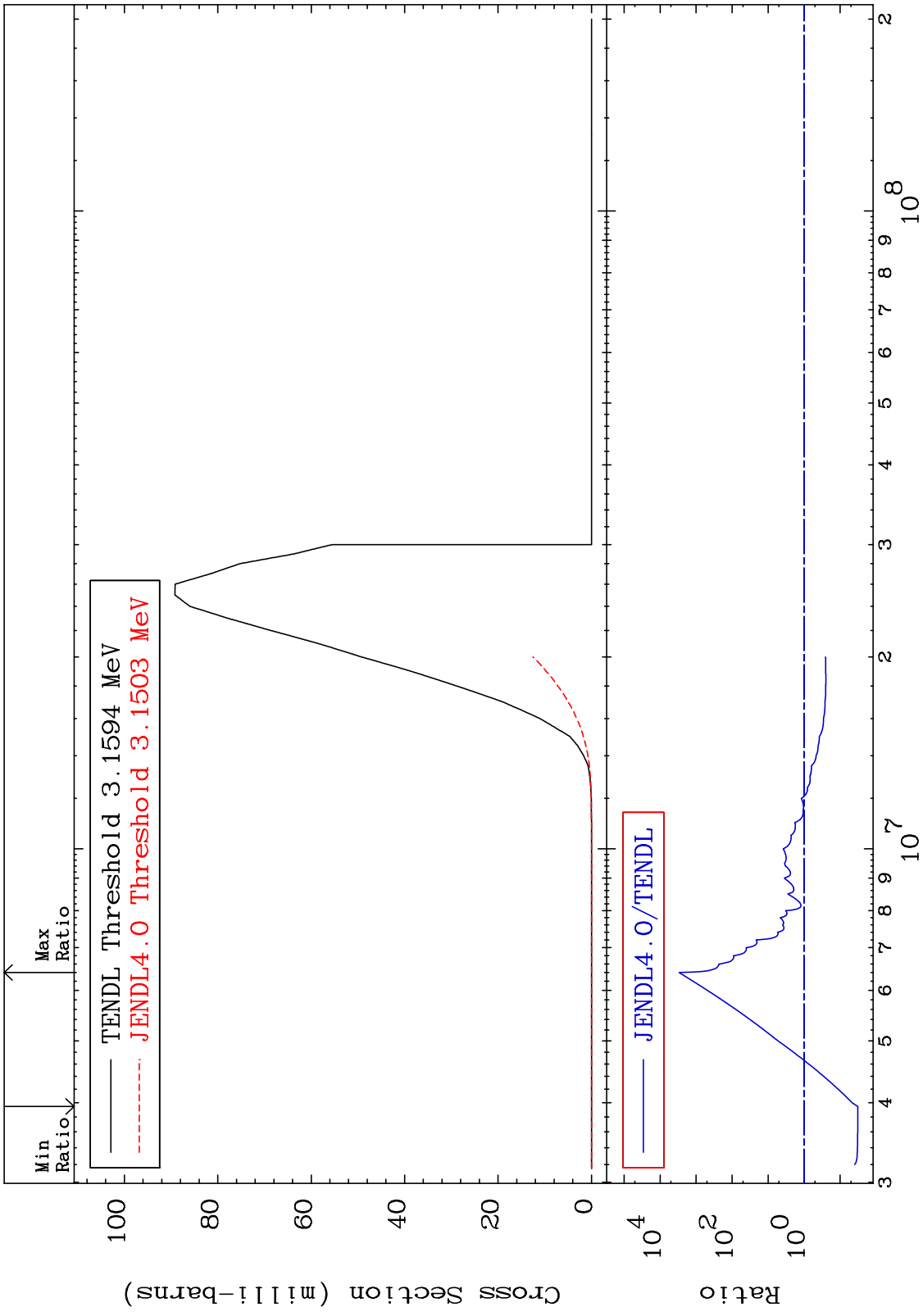


45-Rh-103

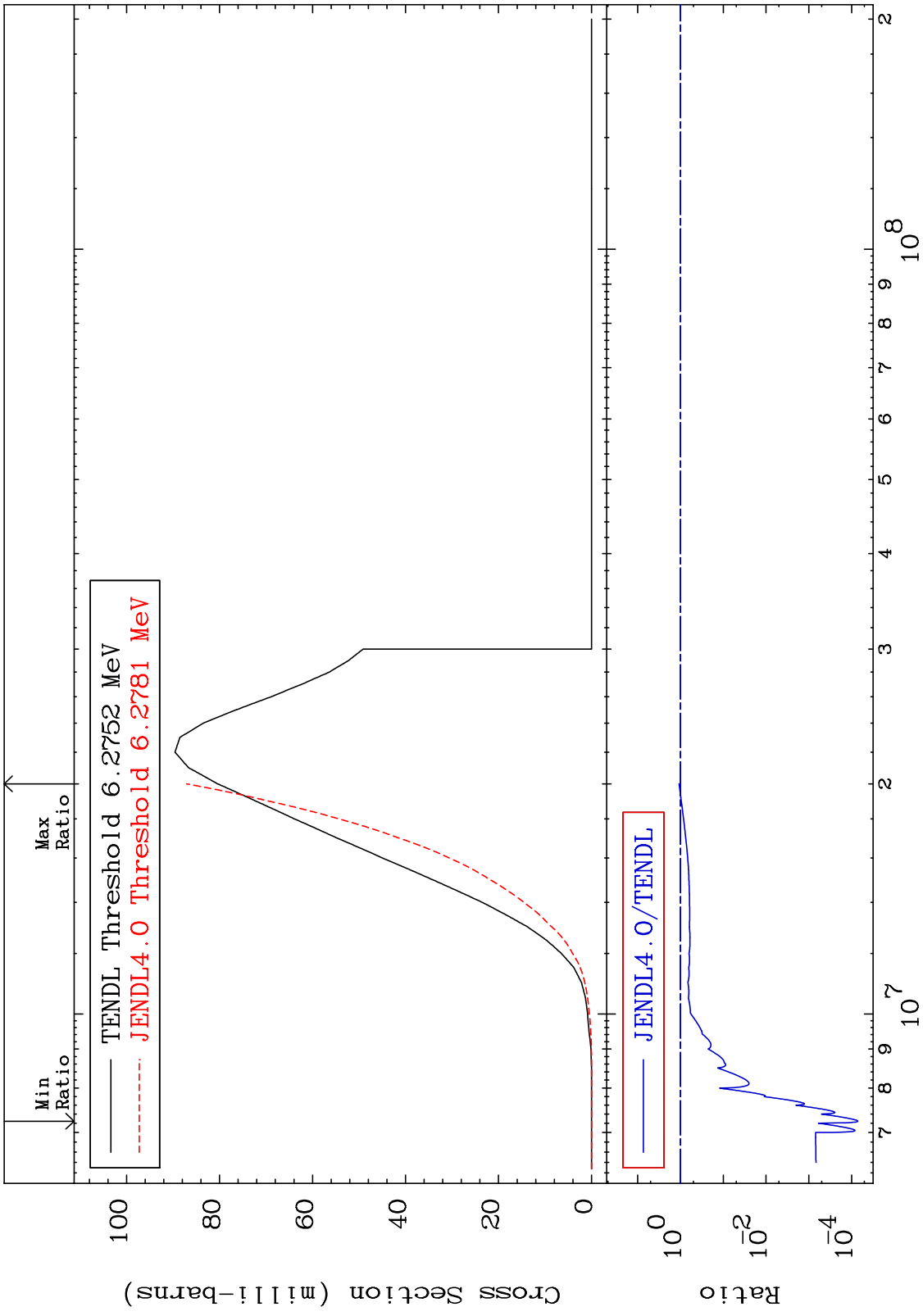
MAT 4525 (n,3n) Cross Section 45-Rh-103 21.35 To 92.62 %



MAT 4525  $(n, n') \alpha$  45-Rh-103  
 Cross Section -96.79 To 9999. %



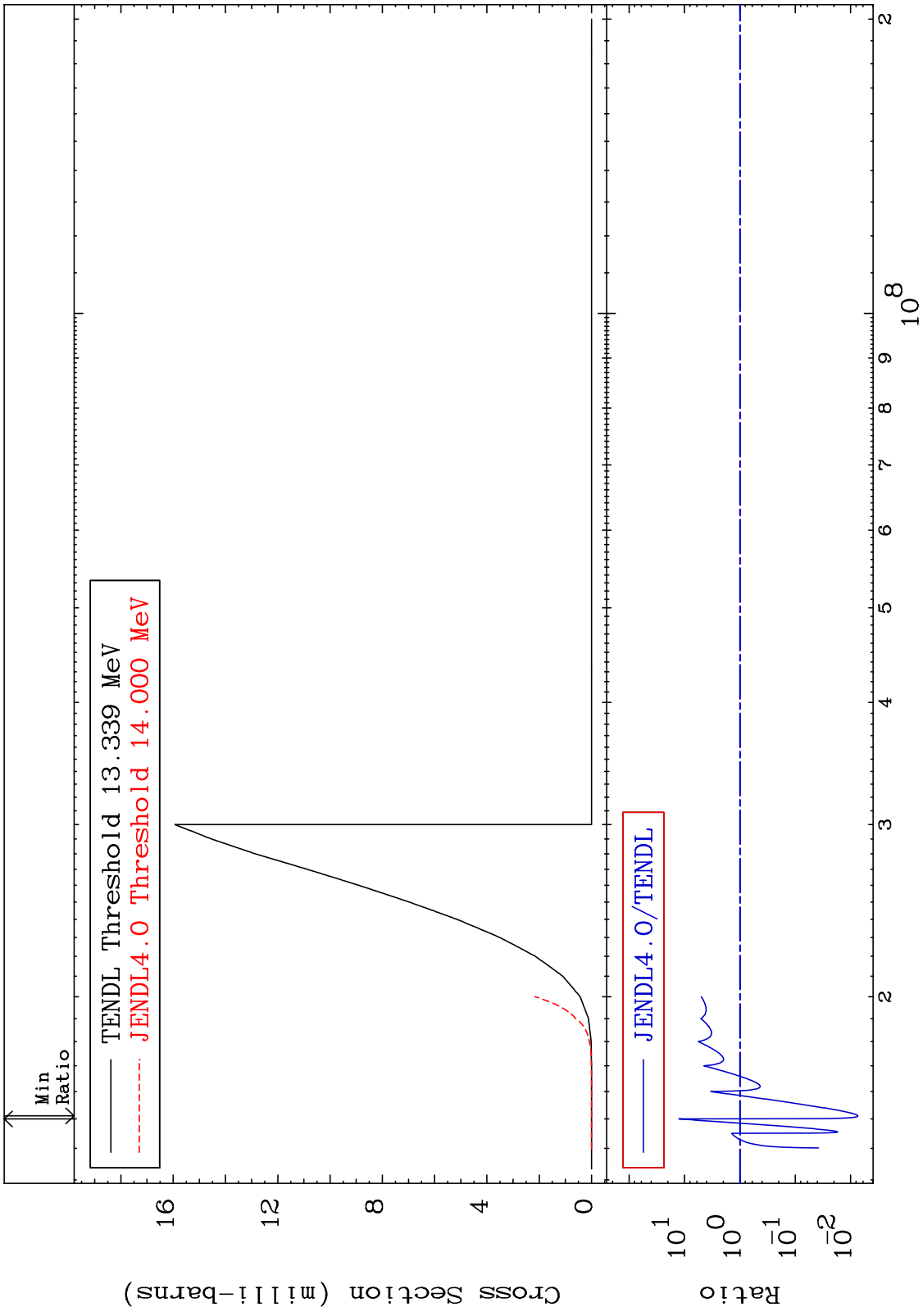
MAT 4525 (n,n') p 45-Rh-103  
Cross Section -99.99 To 8.305 %



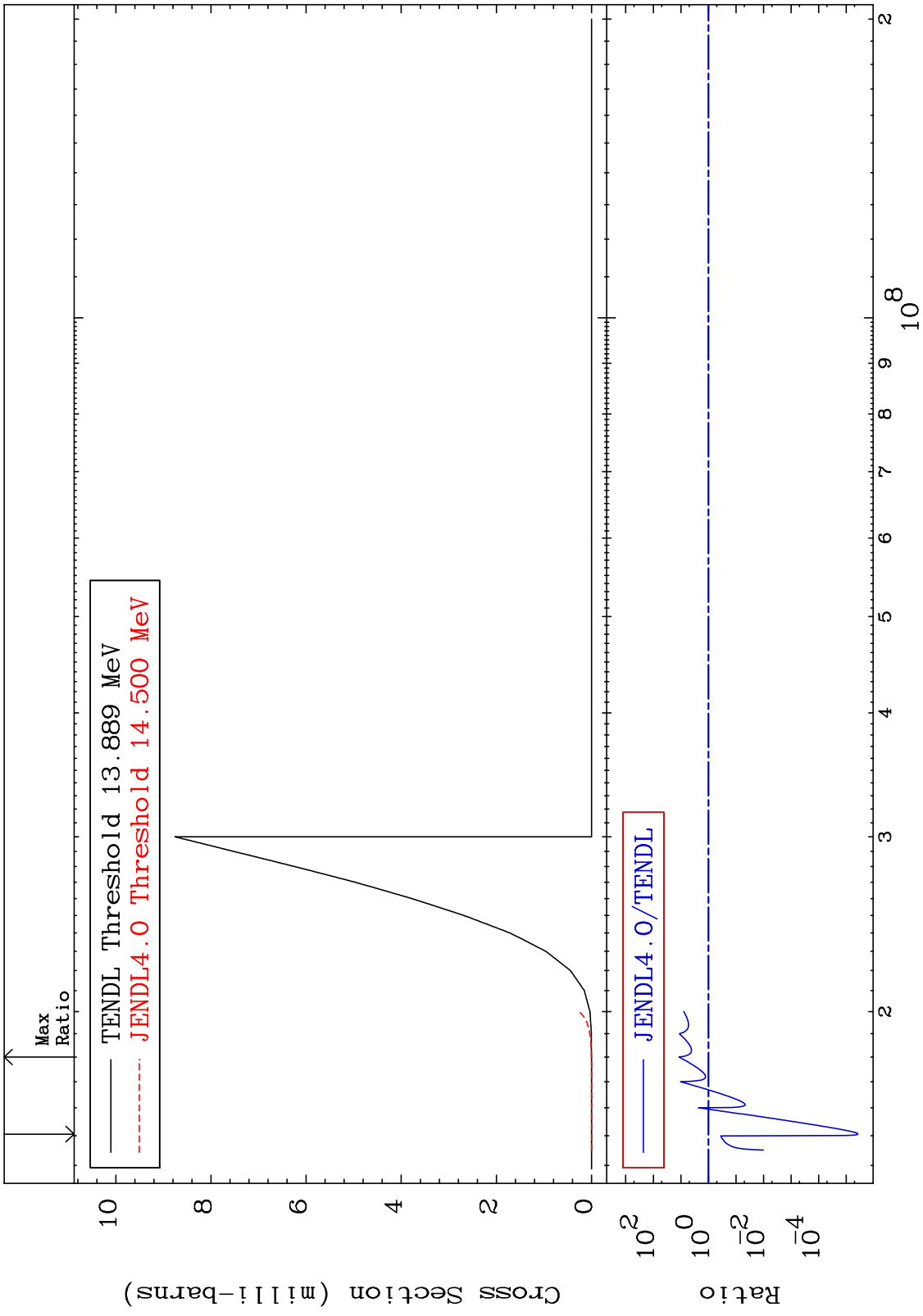
7 45-Rh-103



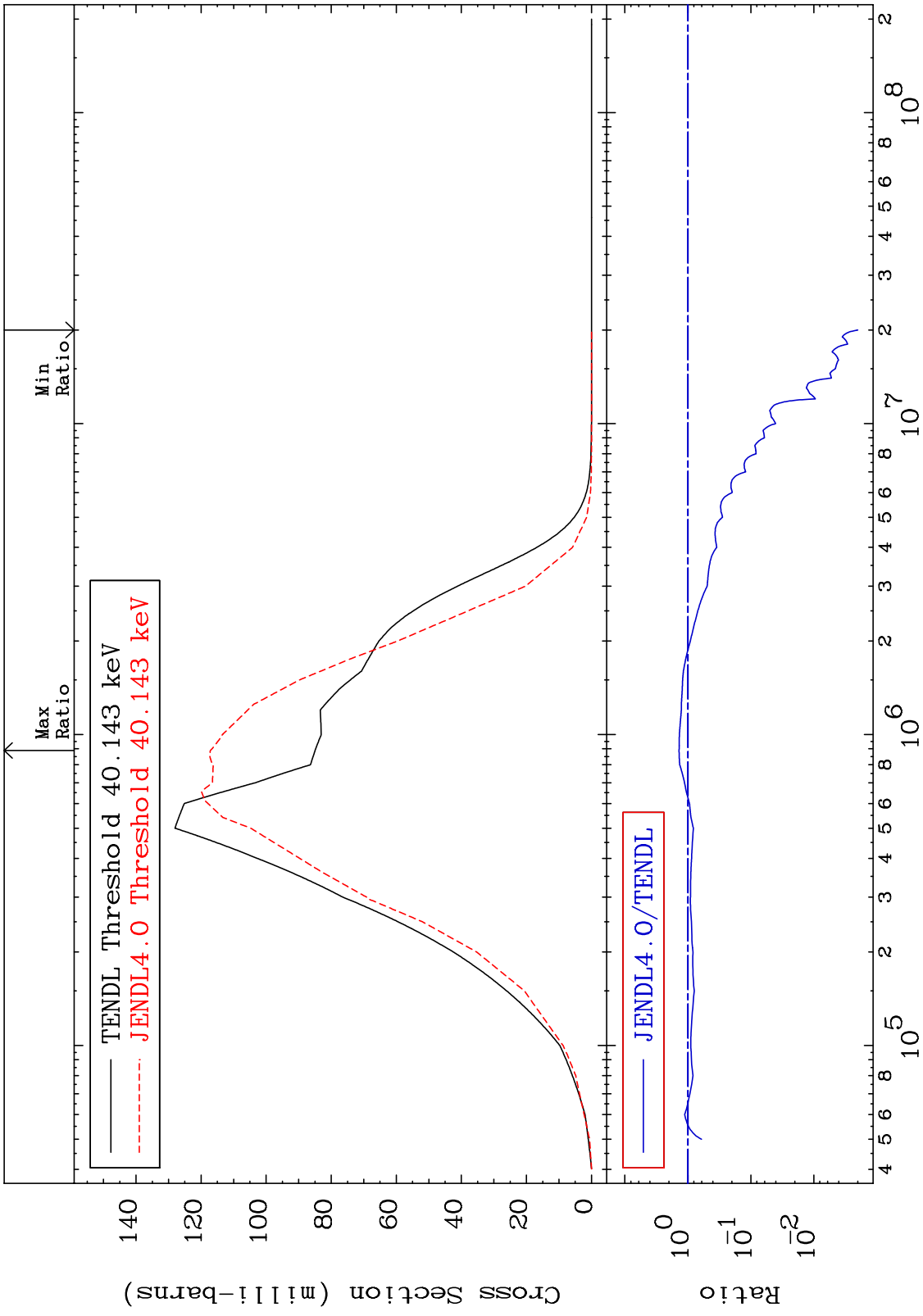
MAT 4525 (n, n') d 45-Rh-103  
 Cross Section -99.26 To 1157. %



MAT 4525 (n, n') t 45-Rh-103  
 Cross Section -100.0 To 1066. %

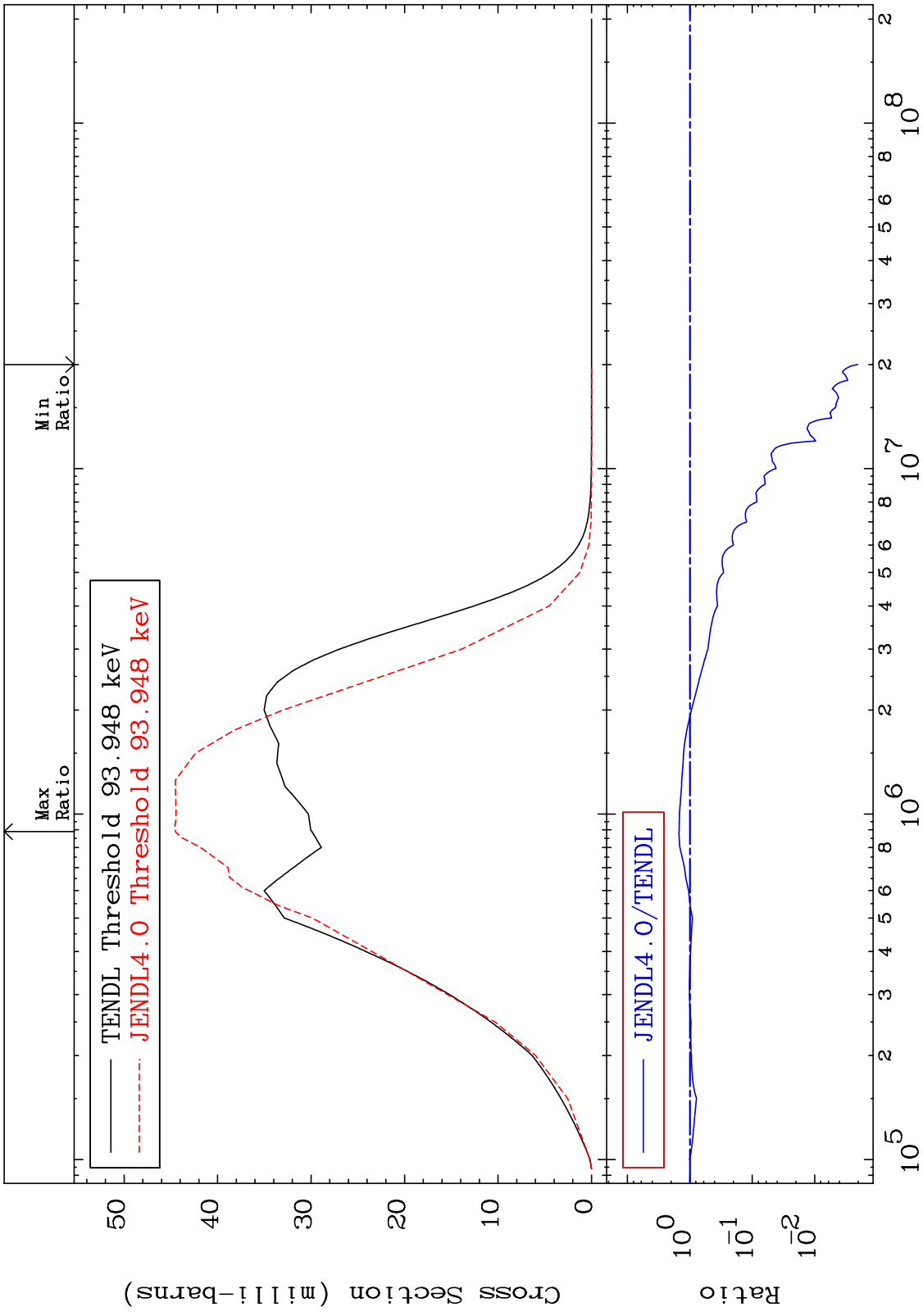


MAT 4525 MT= 51 (n,n') Level Cross Section 45-Rh-103  
 -99.80 To 37.91 %

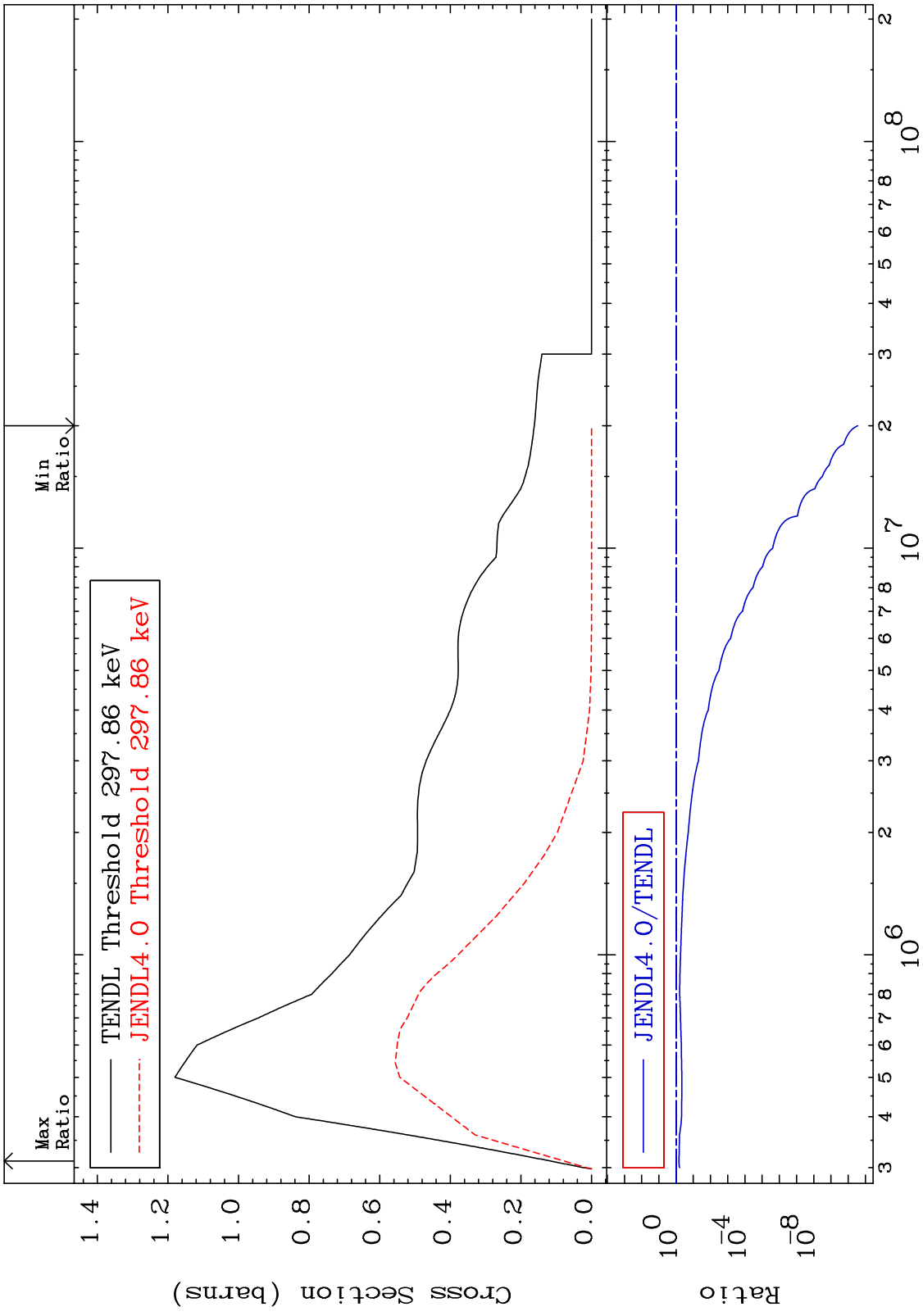


10 45-Rh-103

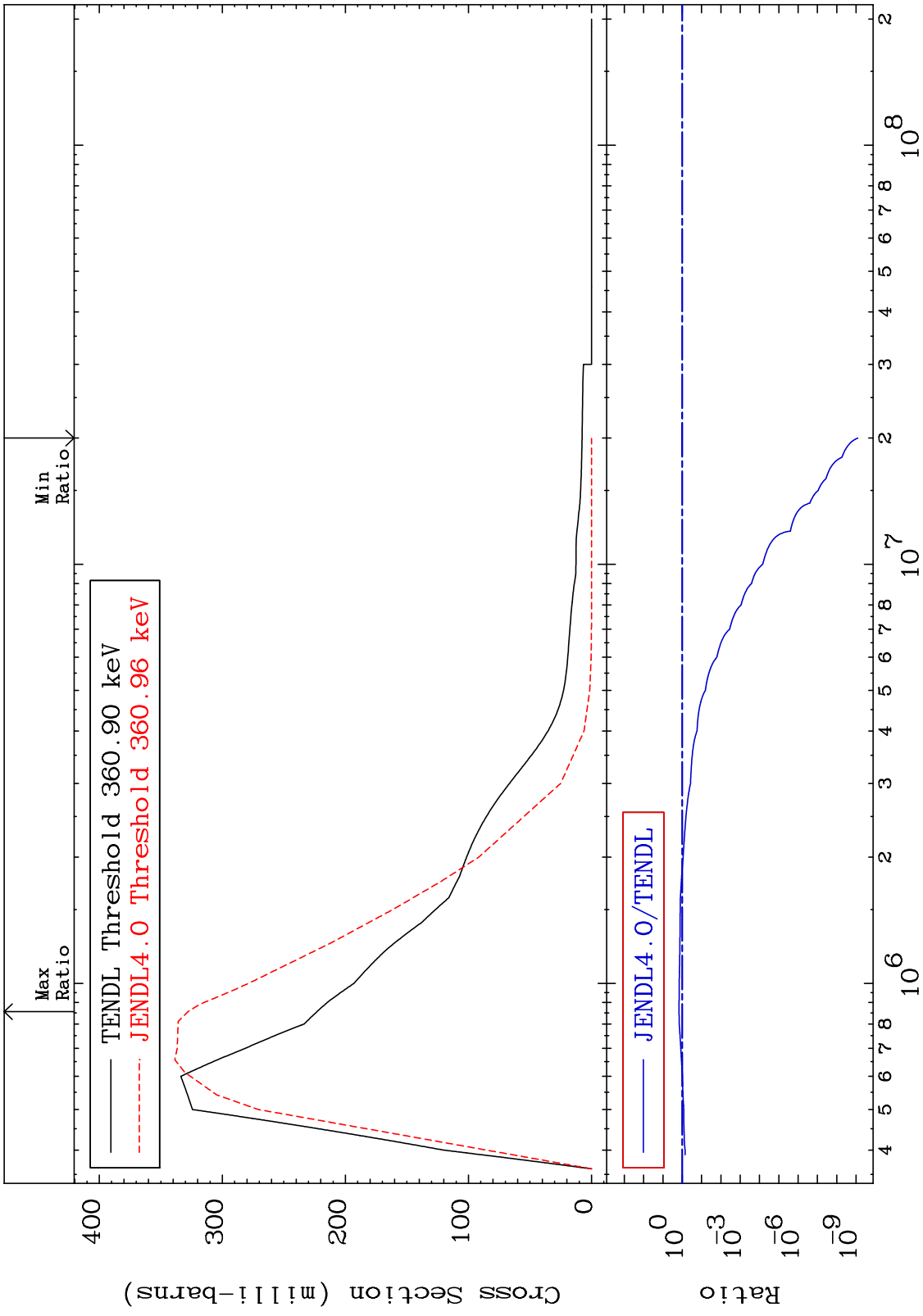
MAT 4525 MT= 52 (n,n') Level Cross Section 45-Rh-103 -99.80 To 48.86 %



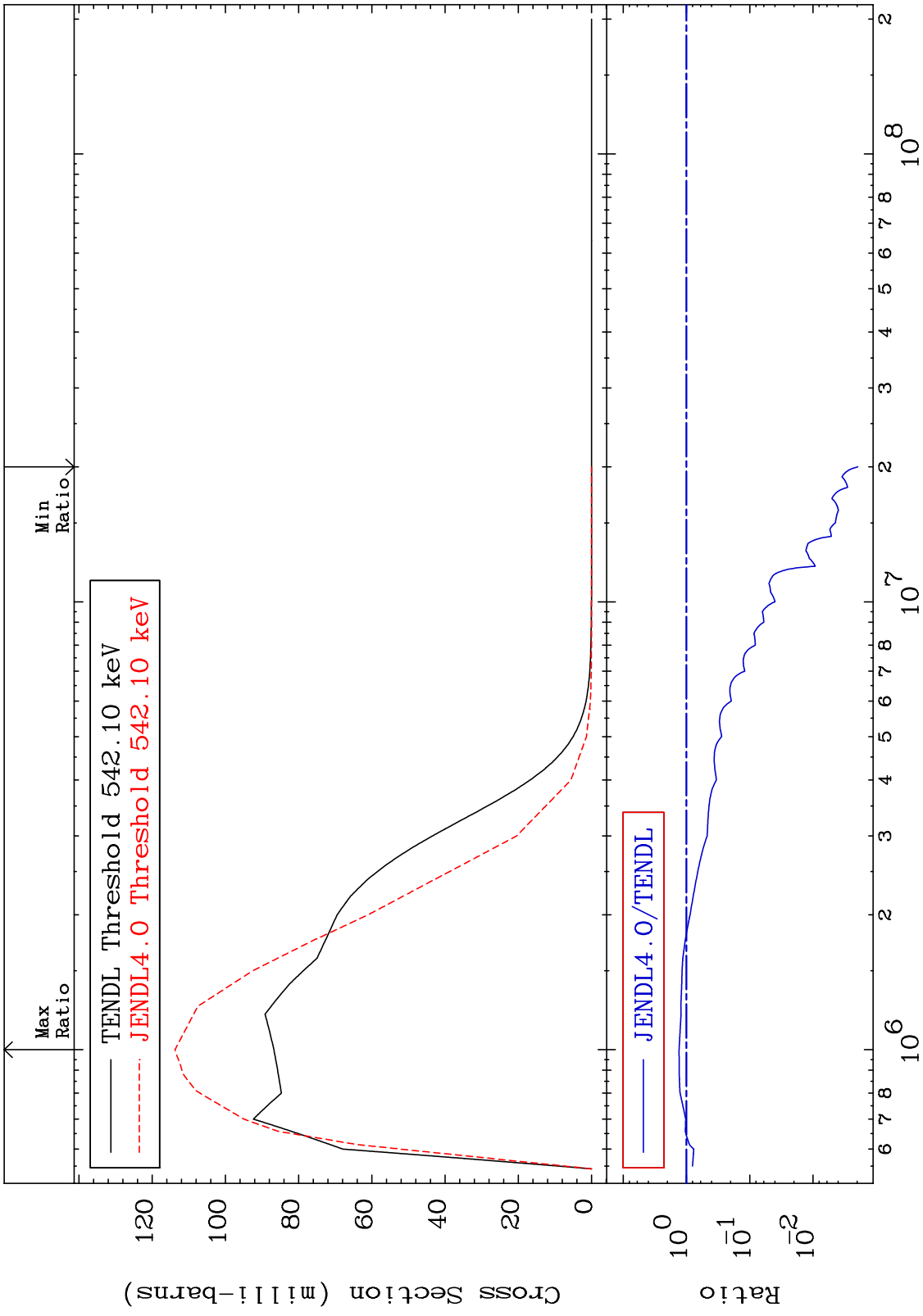
MAT 4525 MT= 53 (n,n') Level Cross Section 45-Rh-103 -100.0 To -32.79%



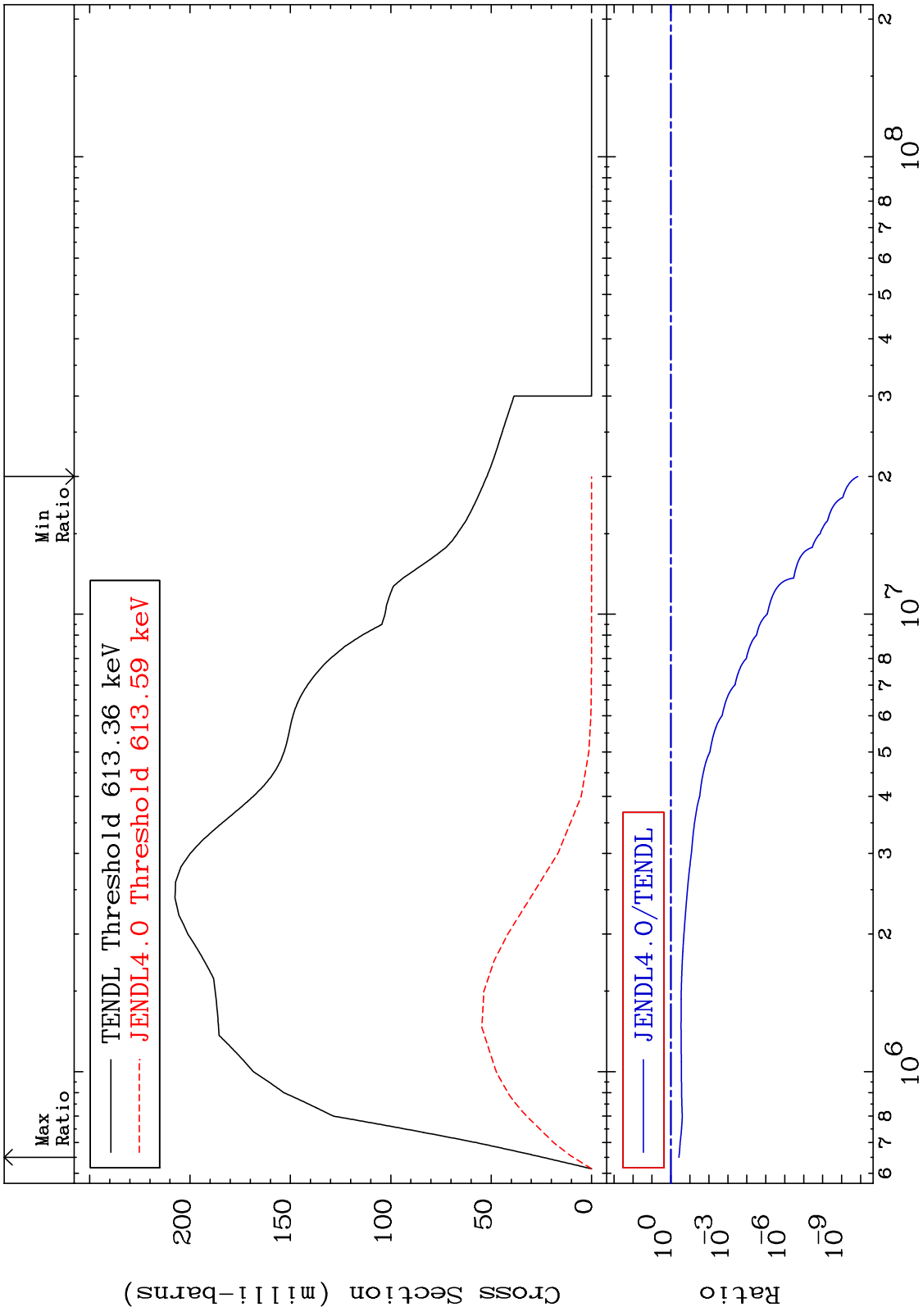
MAT 4525 MT= 54 (n,n') Level Cross Section 45-Rh-103  
 -100.0 To 47.04 %



MAT 4525 MT= 55 (n,n') Level Cross Section 45-Rh-103  
 -99.81 To 31.15 %

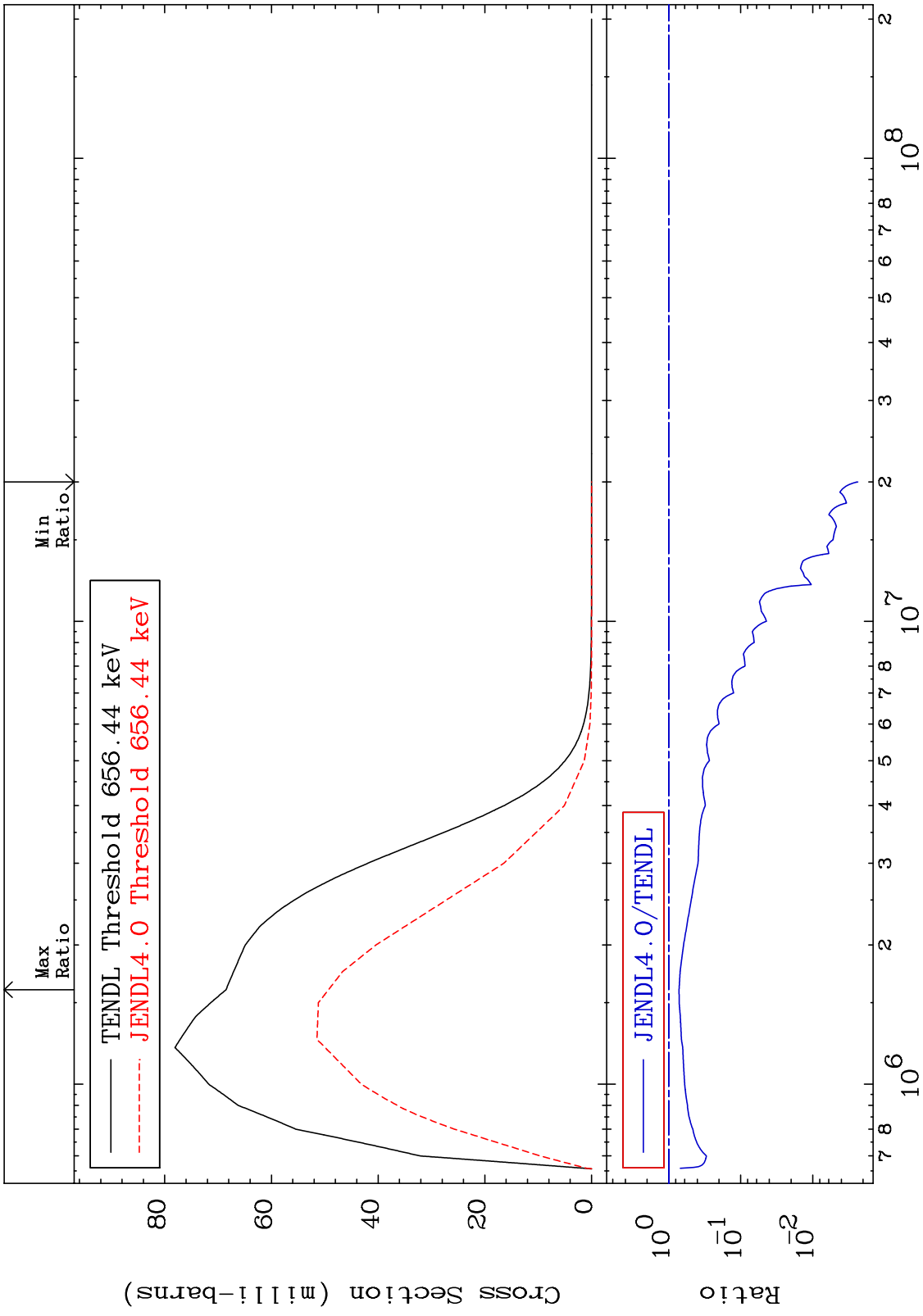


MAT 4525 MT= 56 (n,n') Level Cross Section 45-Rh-103 -100.0 To -62.62%

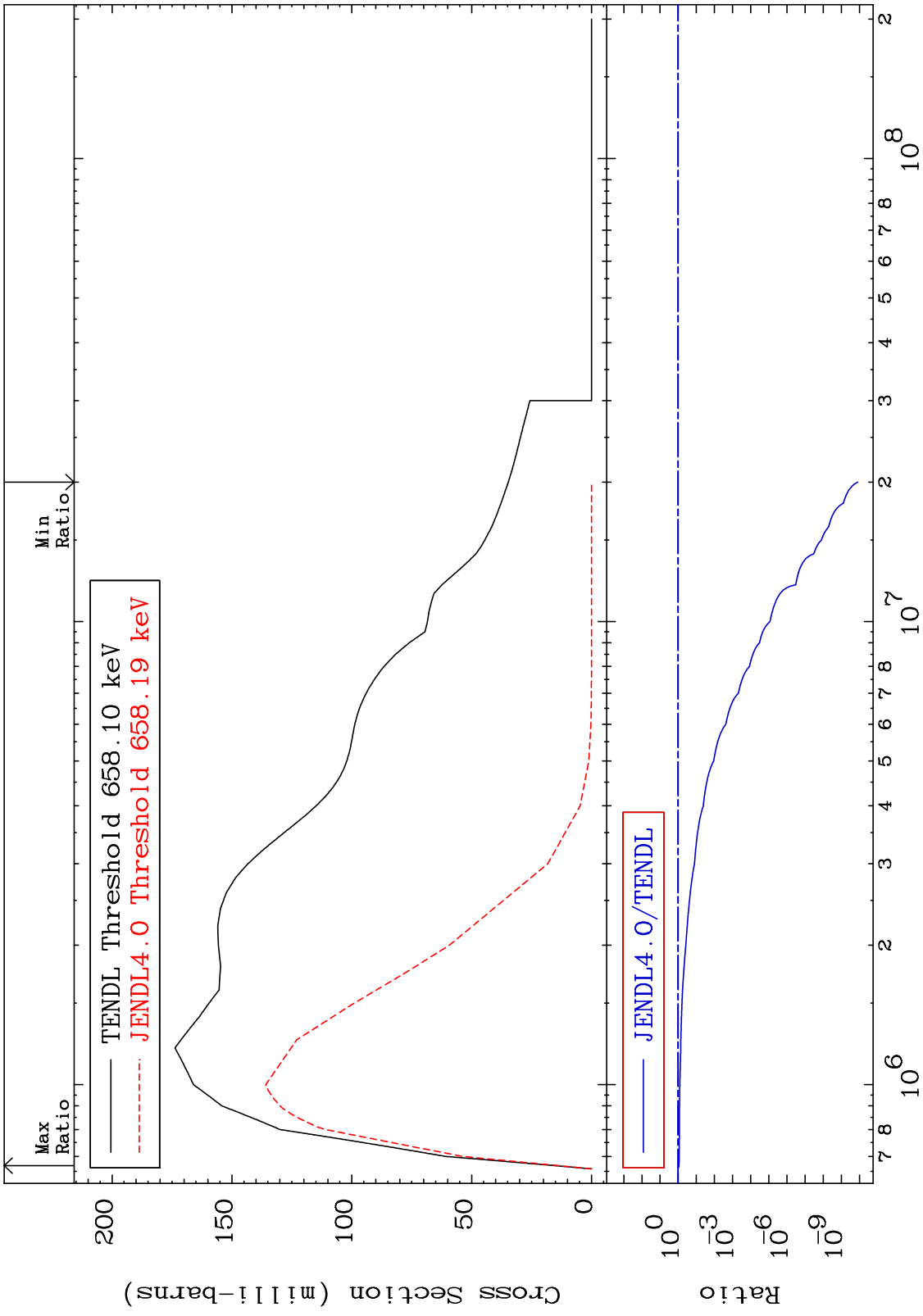




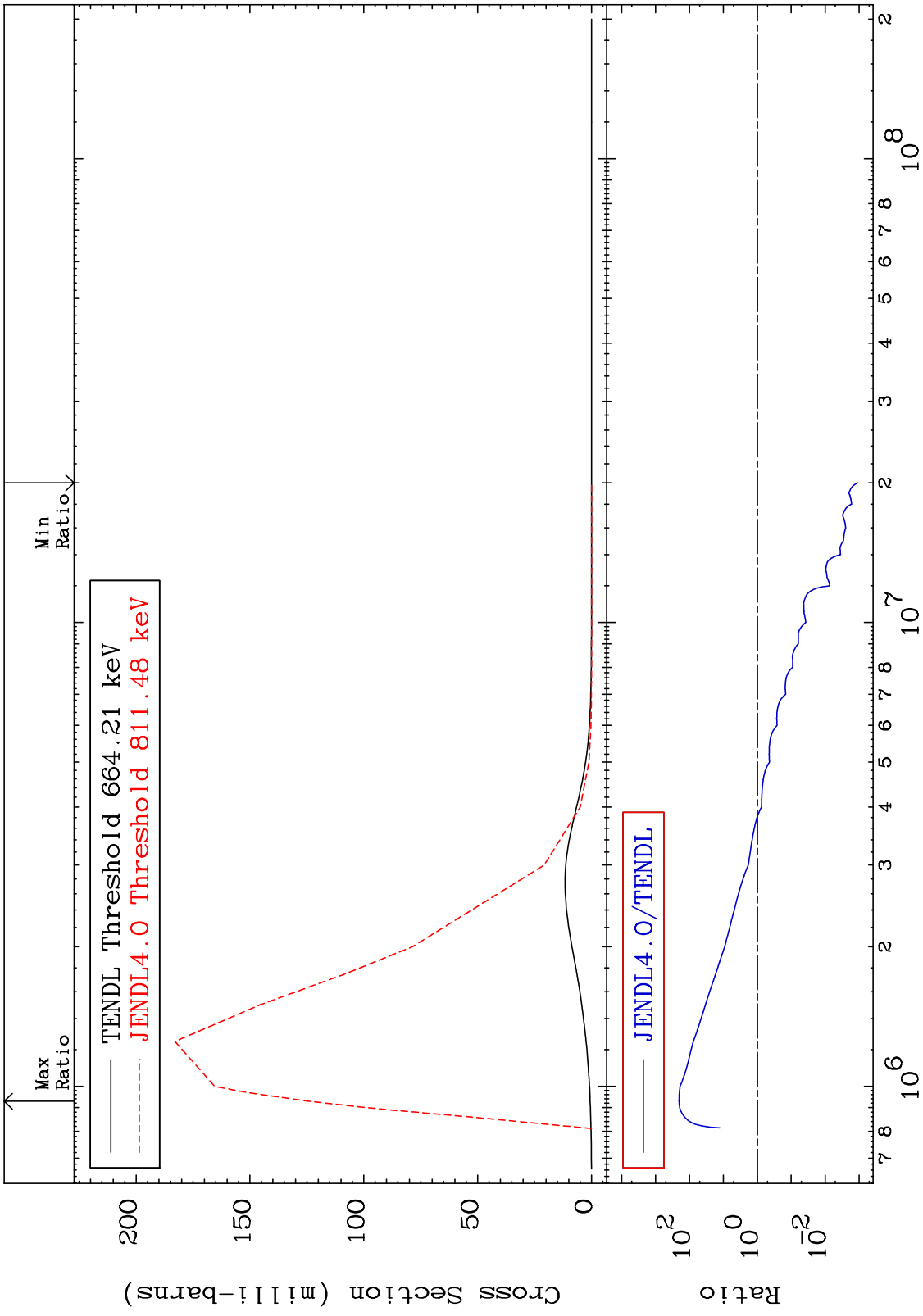
MAT 4525 MT= 57 (n,n') Level Cross Section 45-Rh-103 -99.76 To -28.04%



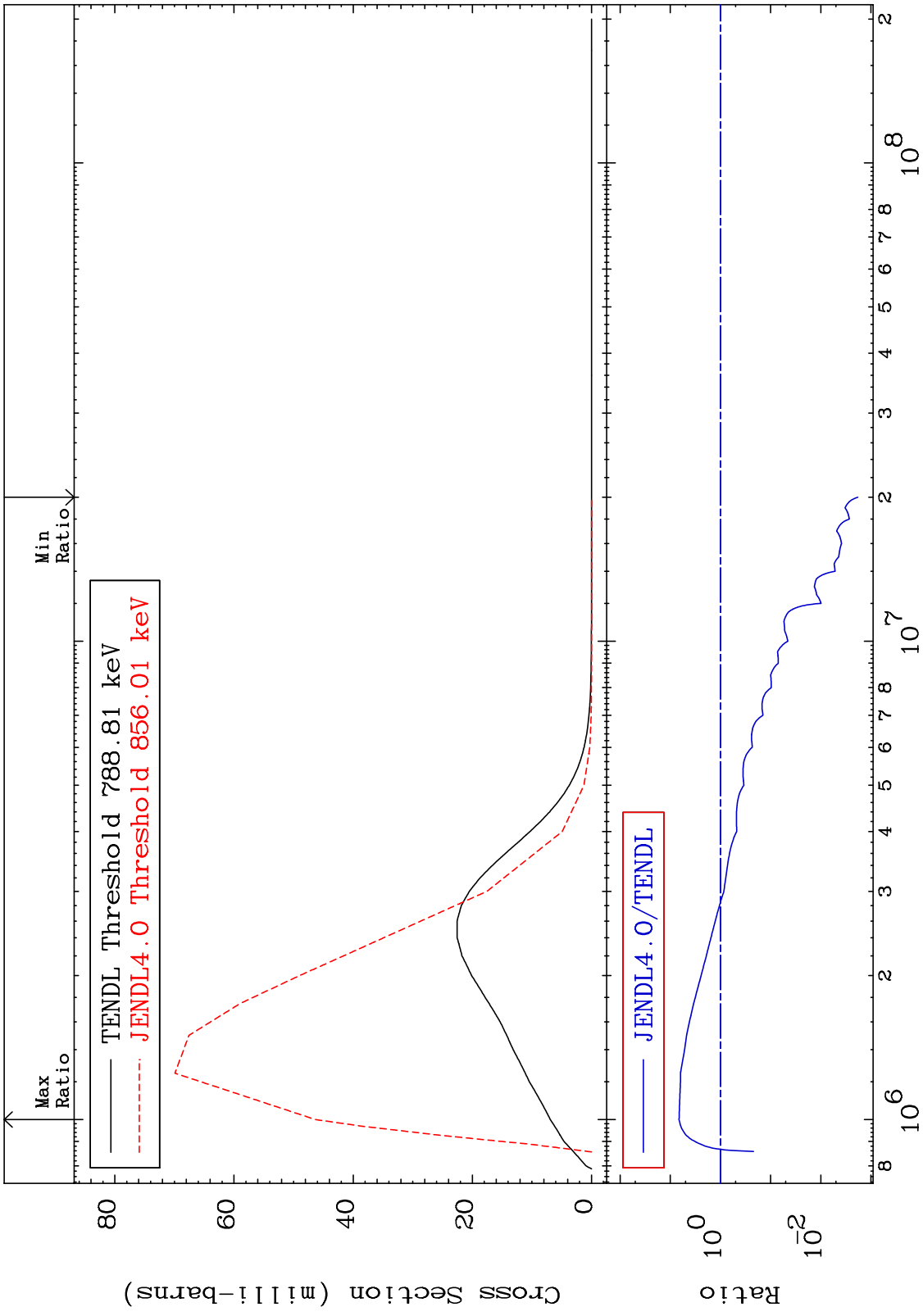
MAT 4525 MT= 58 (n,n') Level Cross Section 45-Rh-103 -100.0 To -10.12%



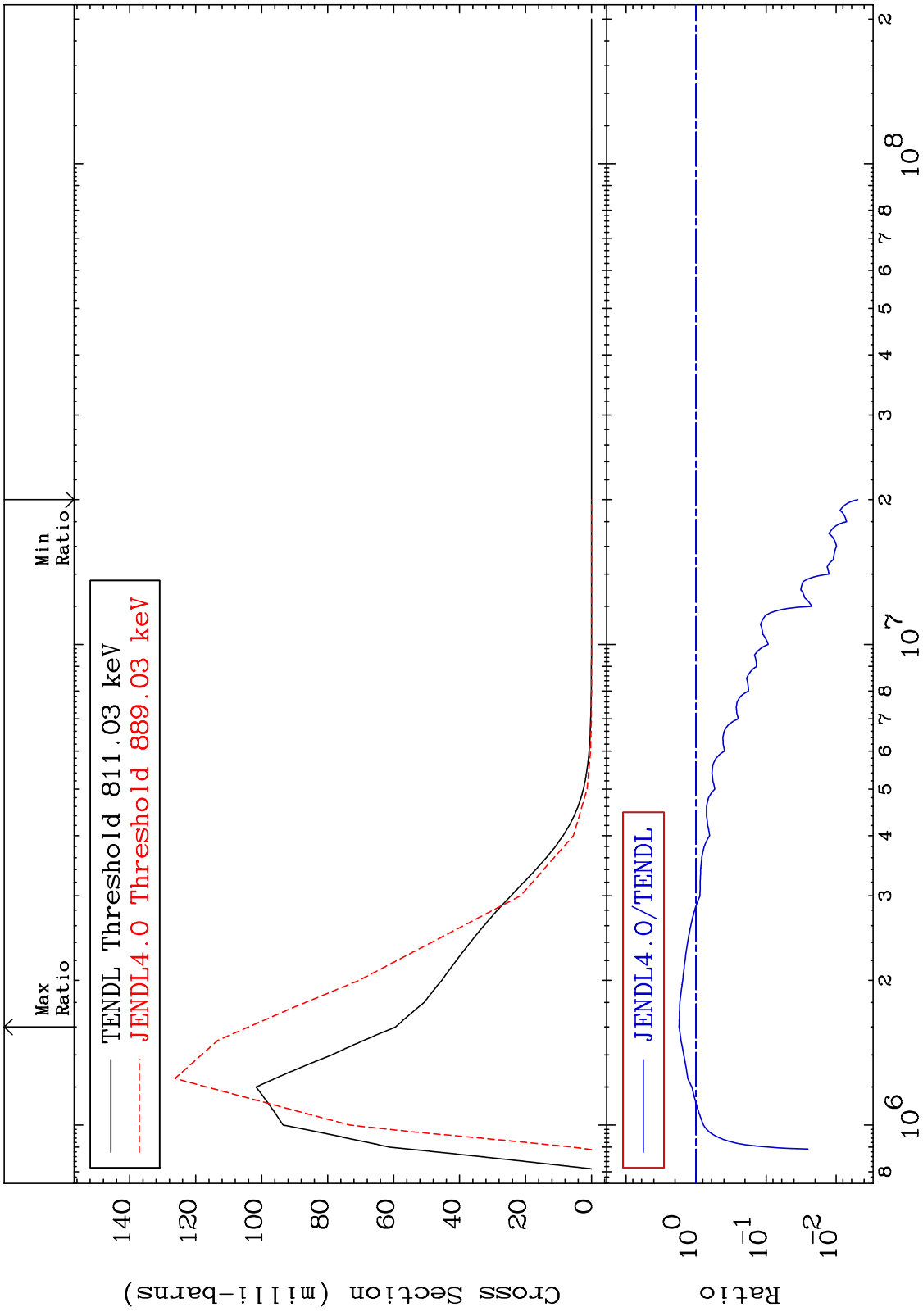
MAT 4525 MT= 59 (n,n') Level Cross Section 45-Rh-103 -99.89 To 9999. %



MAT 4525 MT= 60 (n,n') Level Cross Section 45-Rh-103  
 -99.82 To 570.4 %

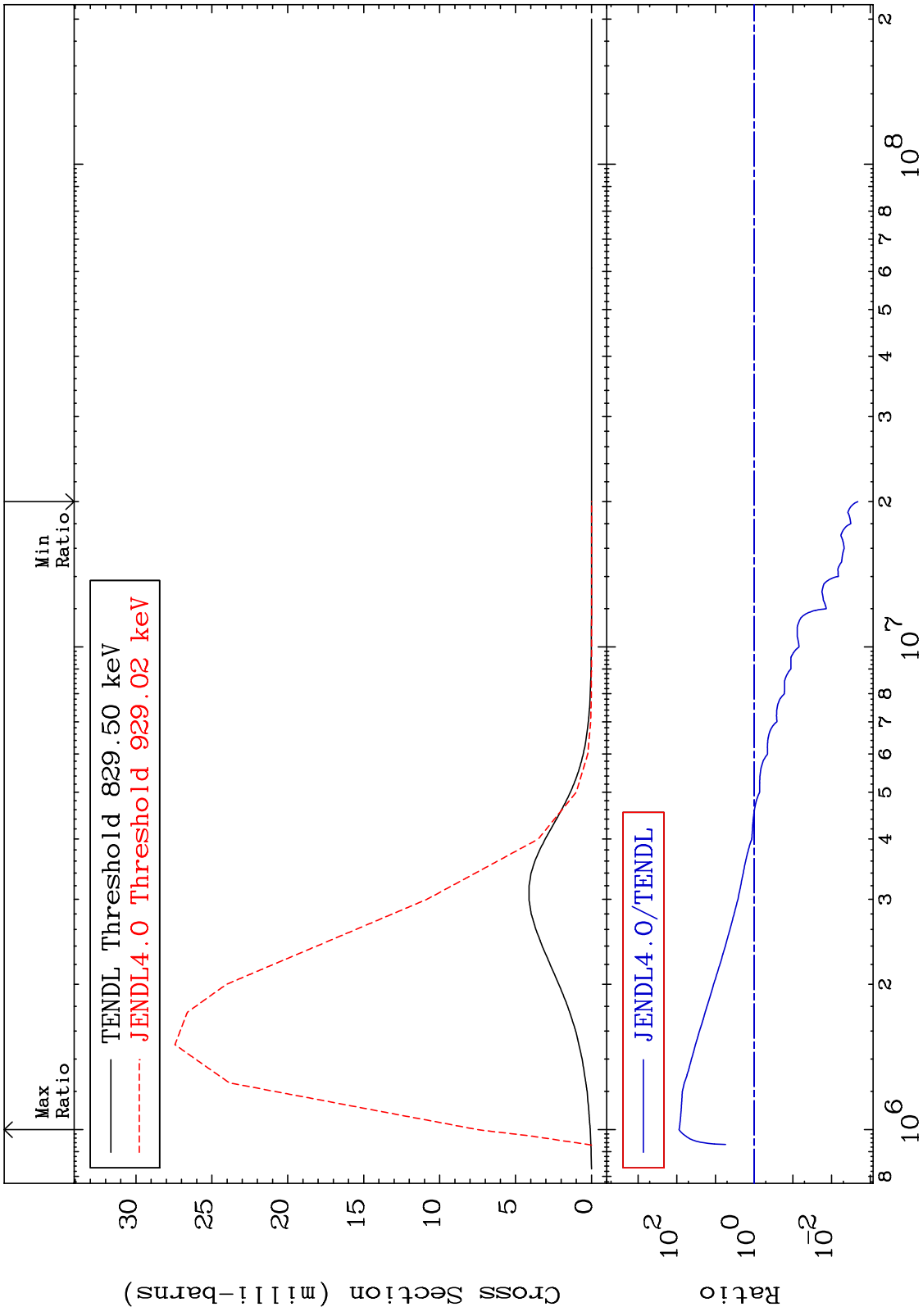


MAT 4525 MT= 61 (n,n') Level Cross Section 45-Rh-103 -99.51 To 75.08 %

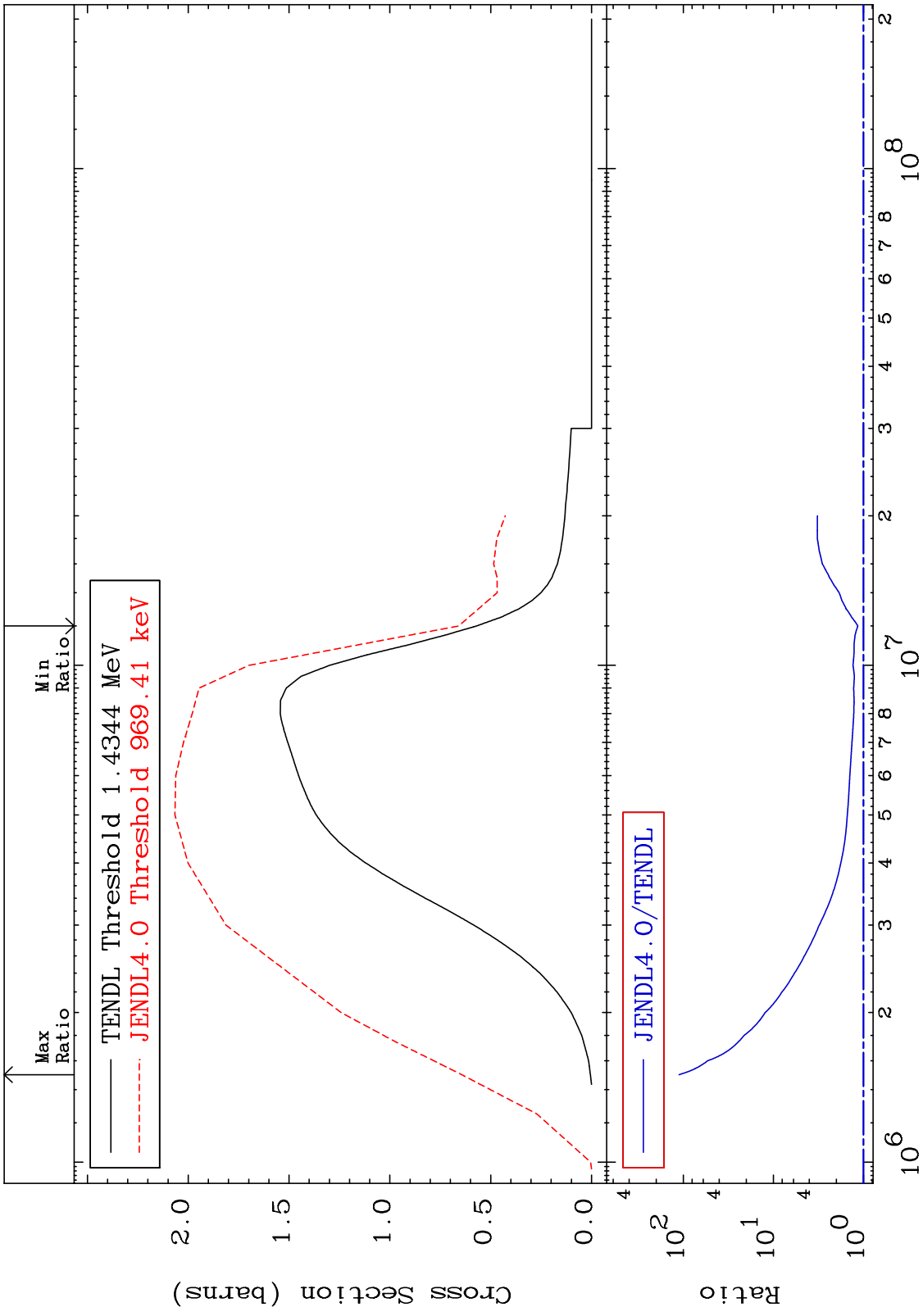


20 Incident Energy (eV) 45-Rh-103

MAT 4525 MT= 62 (n,n') Level Cross Section 45-Rh-103  
 -99.79 To 8632. %

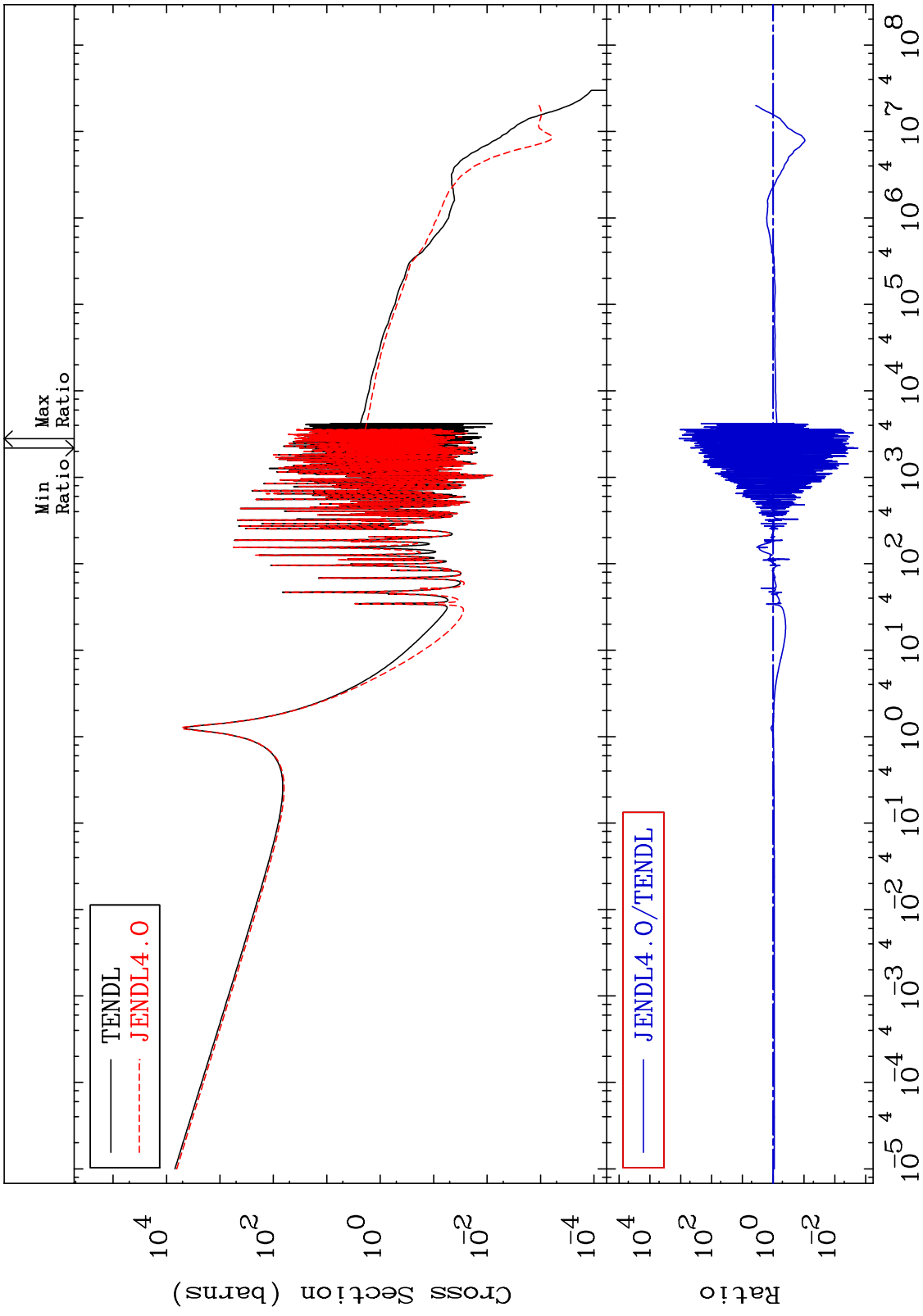


MAT 4525 (n, n') Continuum Cross Section 45-Rh-103 To 9999. %  
 15.59



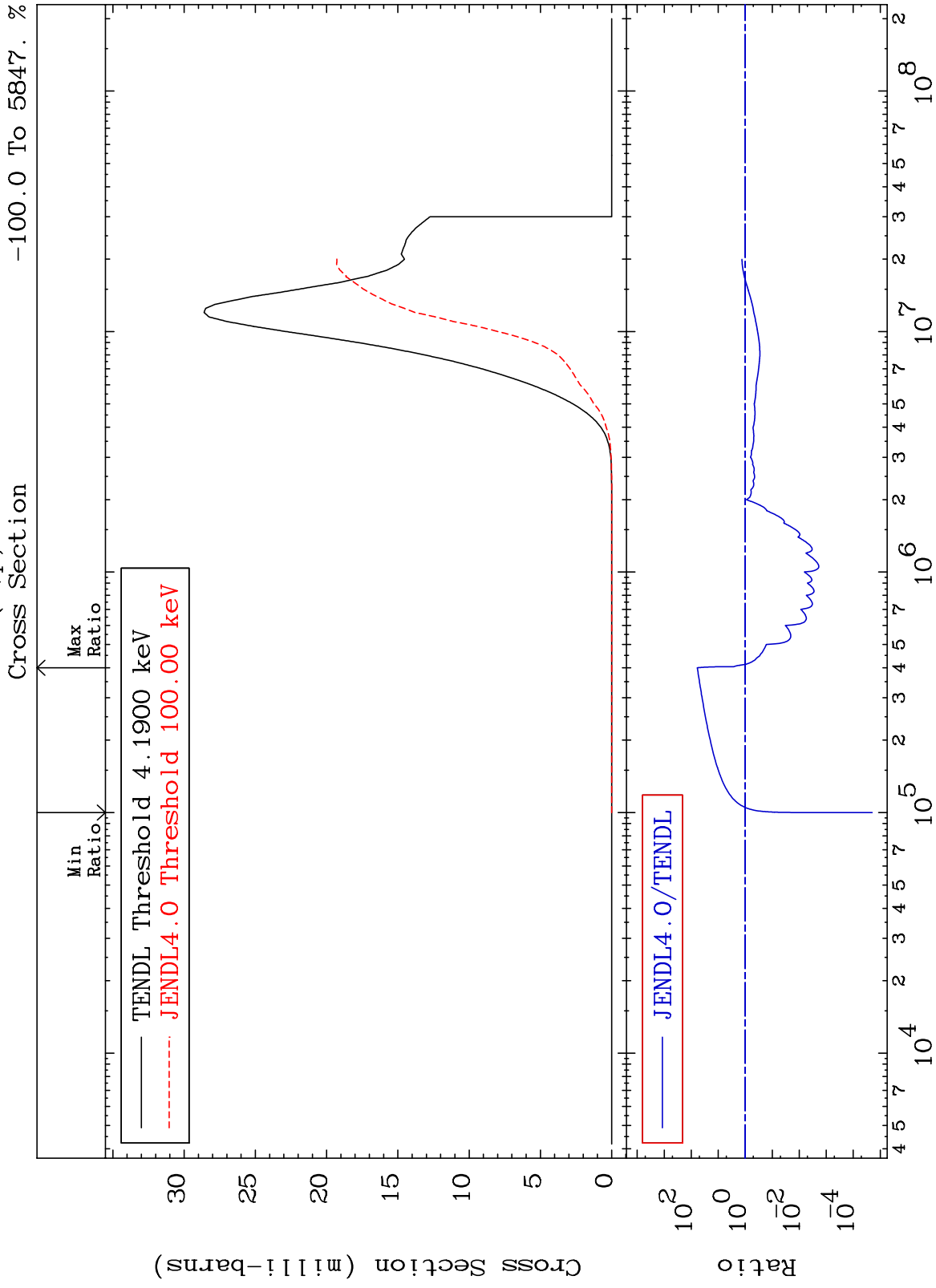
22 45-Rh-103

MAT 4525  $(n, \gamma)$  Cross Section 45-Rh-103 -99.82 To 9999. %



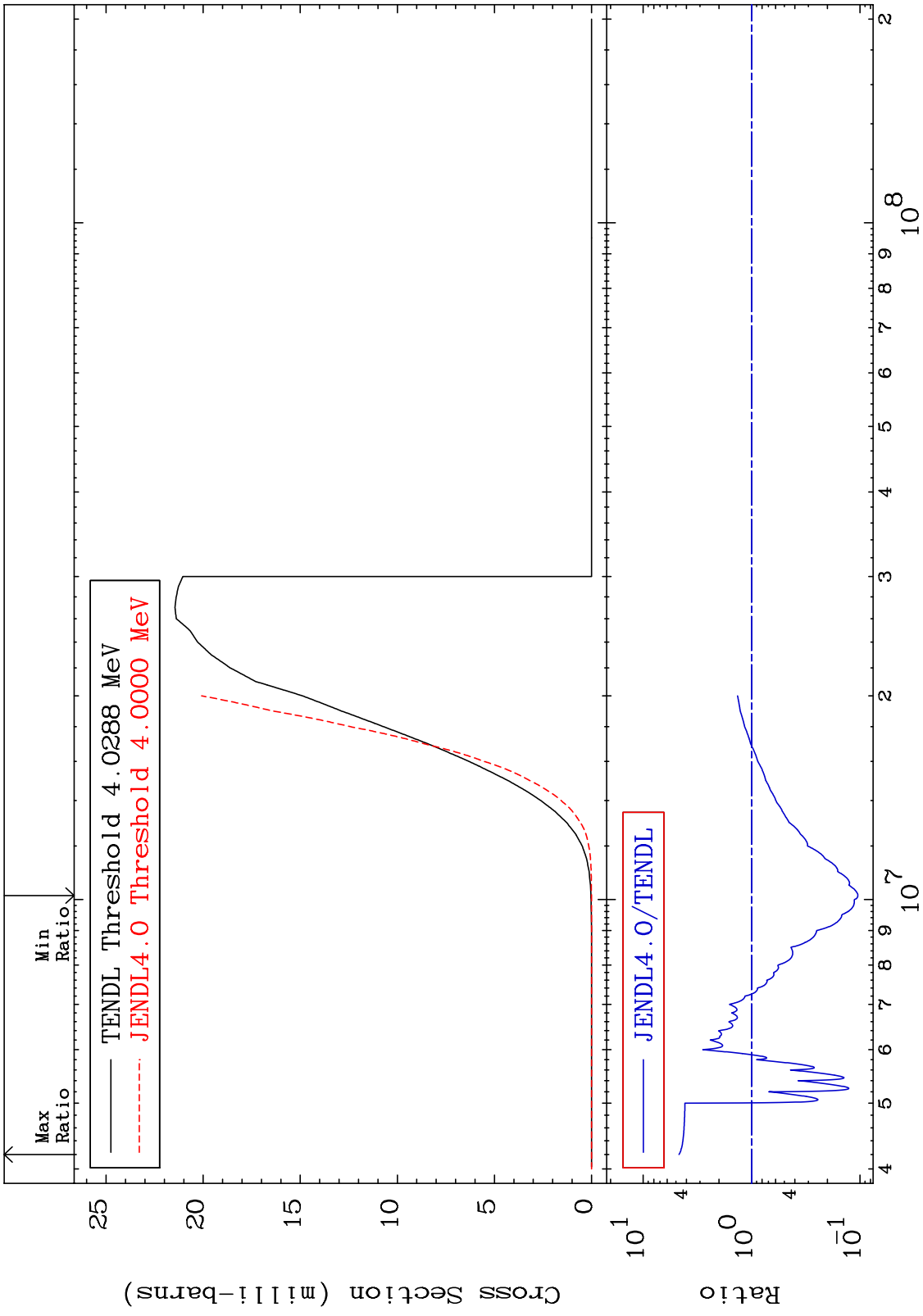


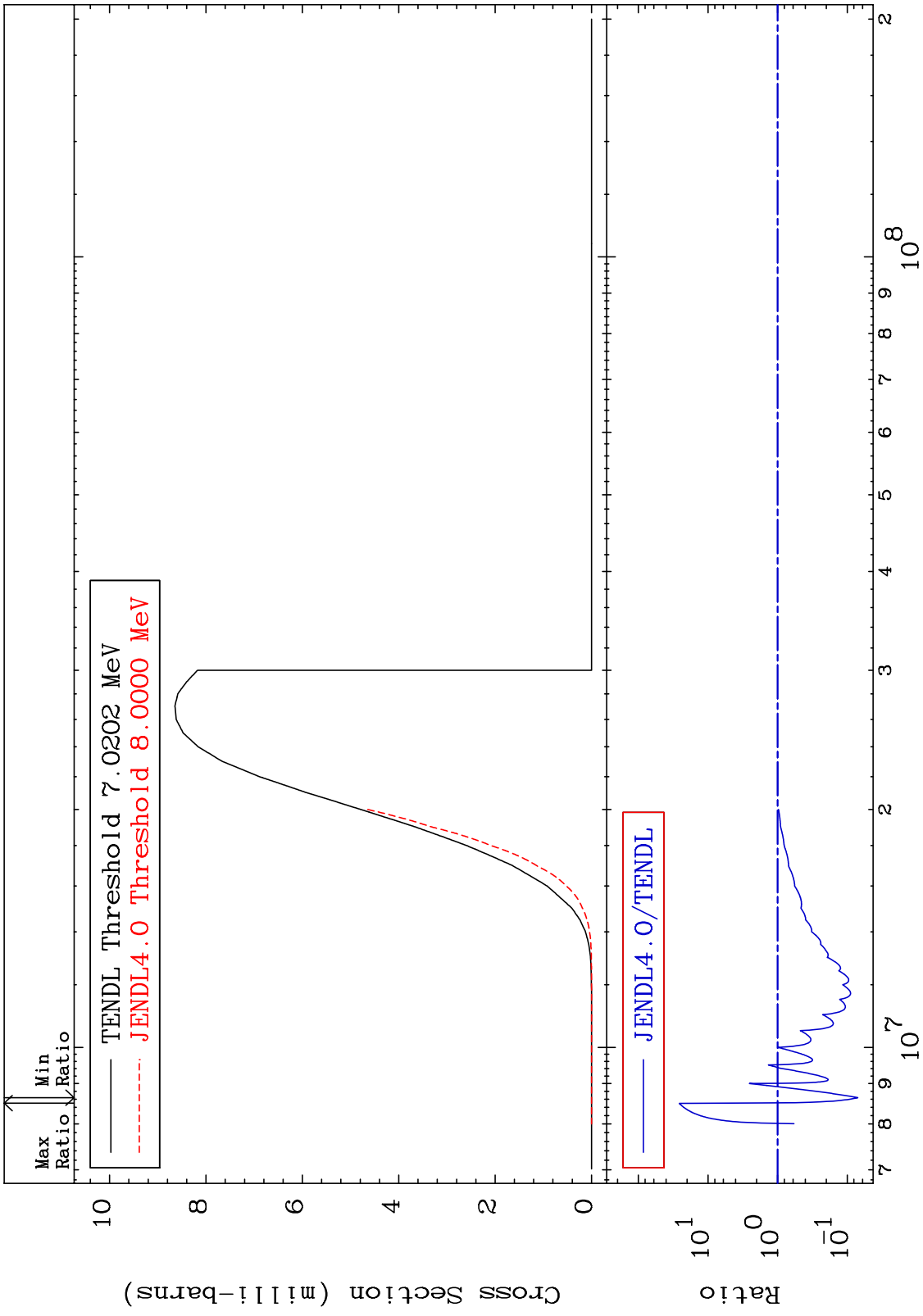
MAT 4525 (n,p) 45-Rh-103 -100.0 To 5847. %



24 45-Rh-103

MAT 4525 (n,d) 45-Rh-103  
 Cross Section -89.53 To 367.3 %





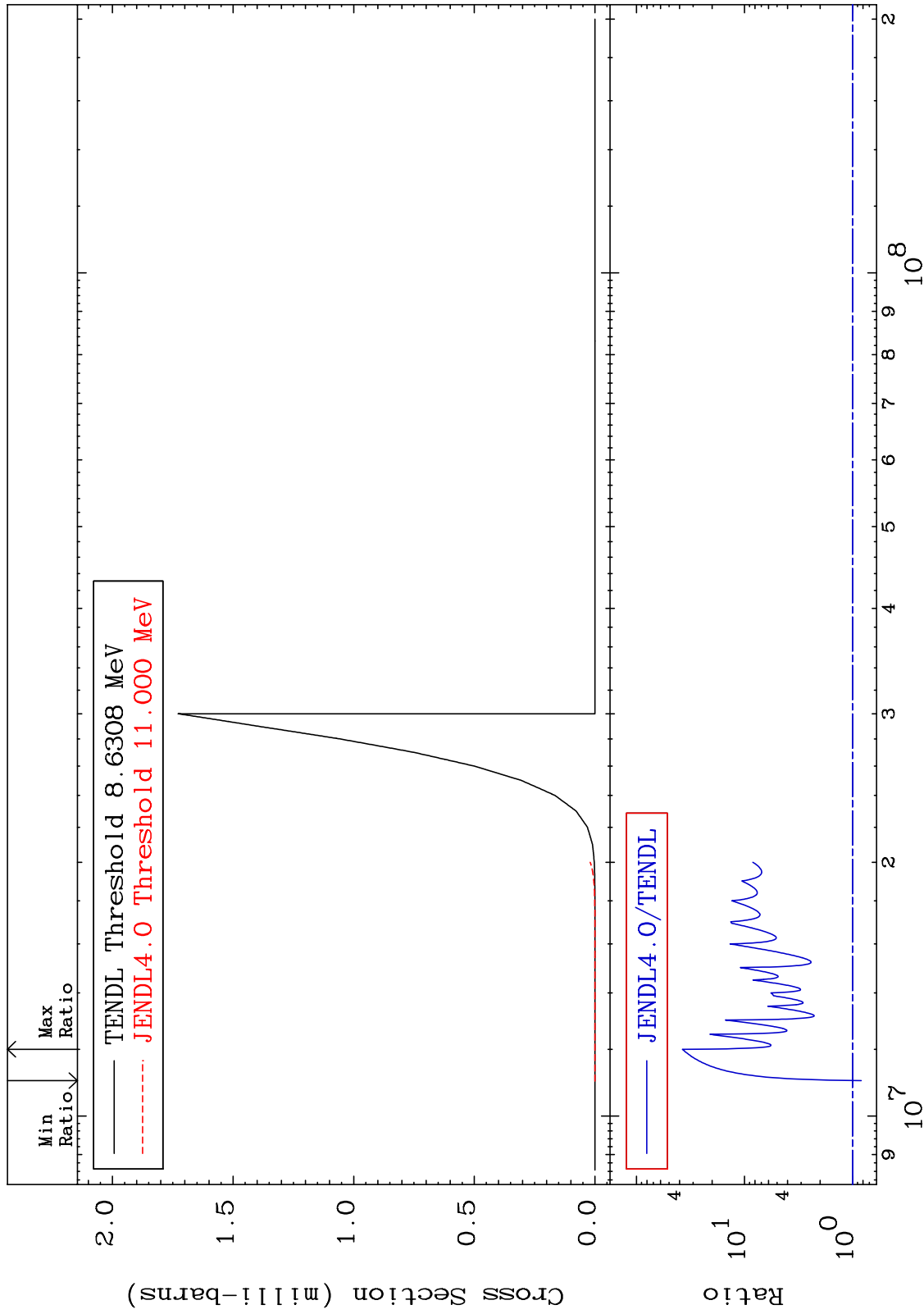
MAT 4525

(n, He-3)

45-Rh-103

Cross Section

-16.97 To 3660. %



27

Incident Energy (eV)

45-Rh-103

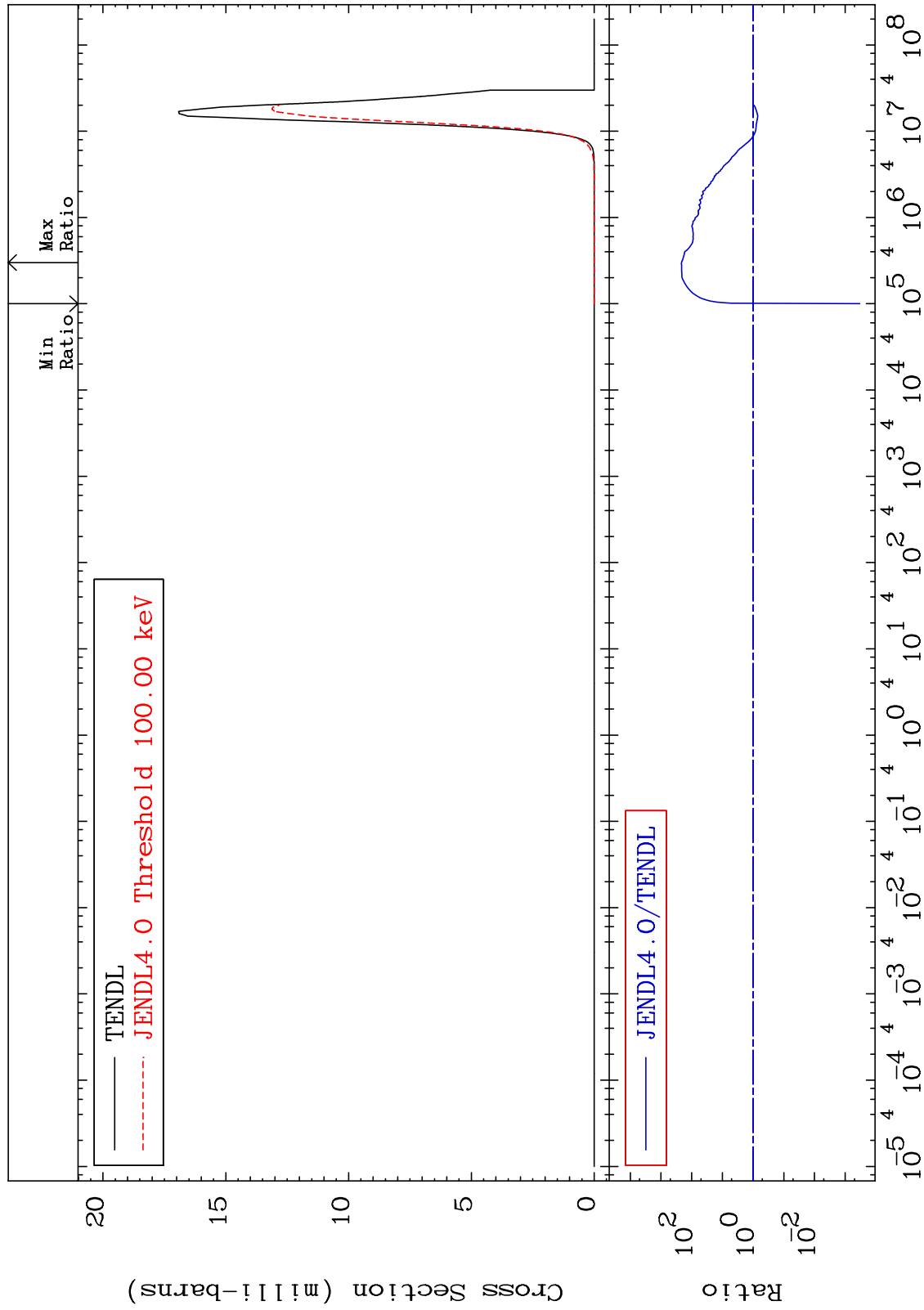
MAT 4525

(n,  $\alpha$ )

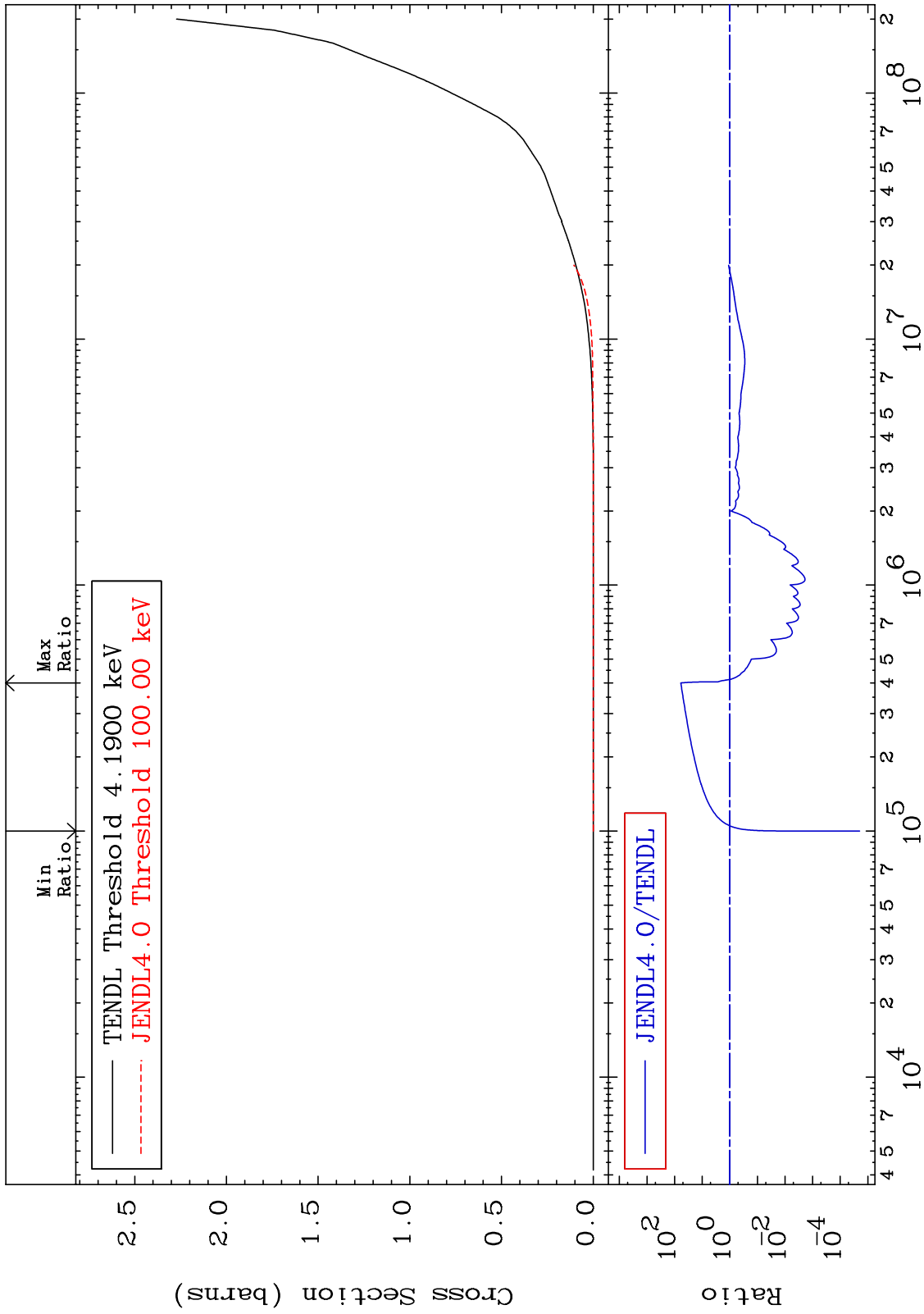
45-Rh-103

Cross Section

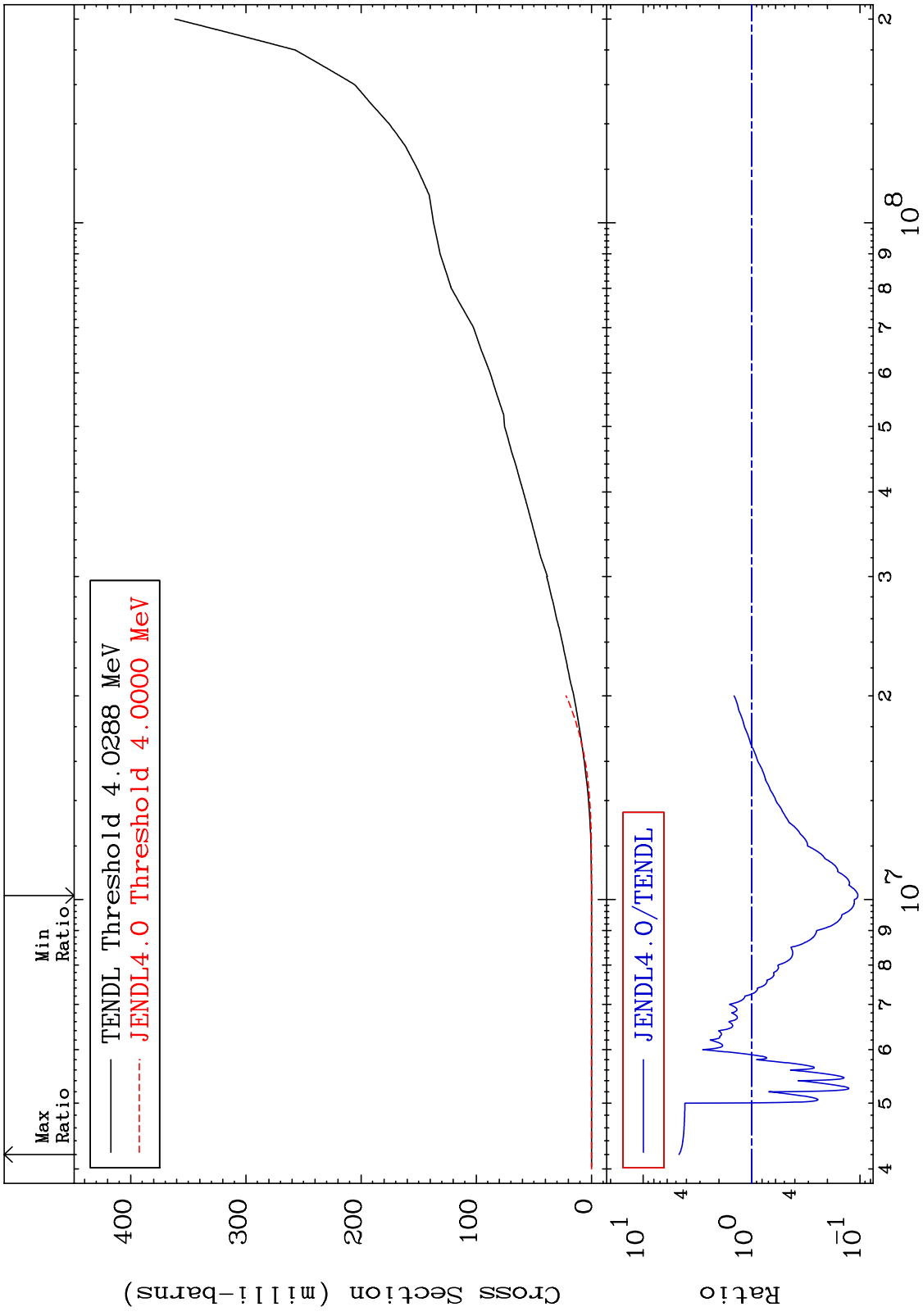
-99.97 To 9999. %



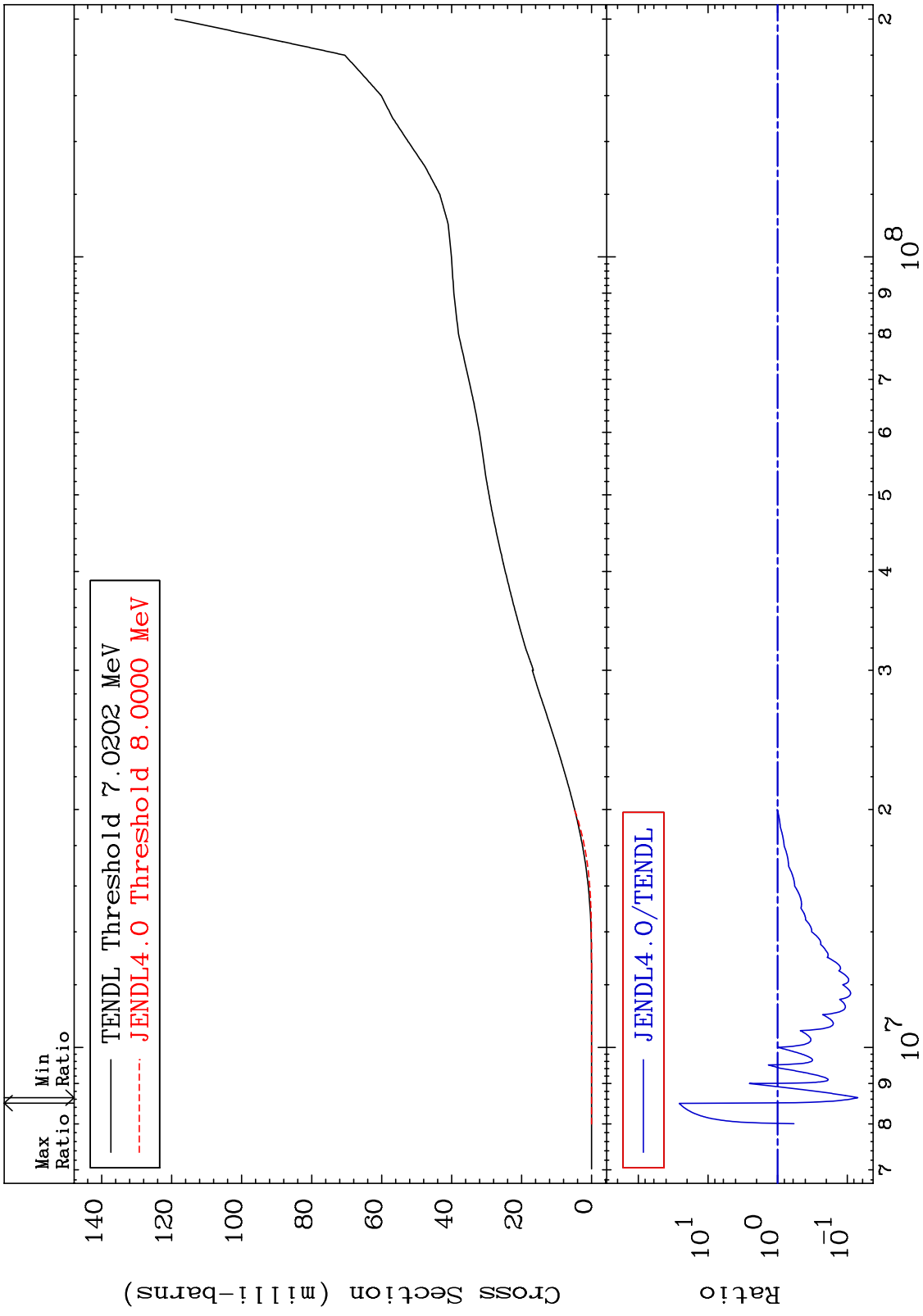
Hydrogen Production Cross Section



MAT 4525 Deuterium Production Cross Section 45-Rh-103 -89.53 To 367.3 %



30 45-Rh-103

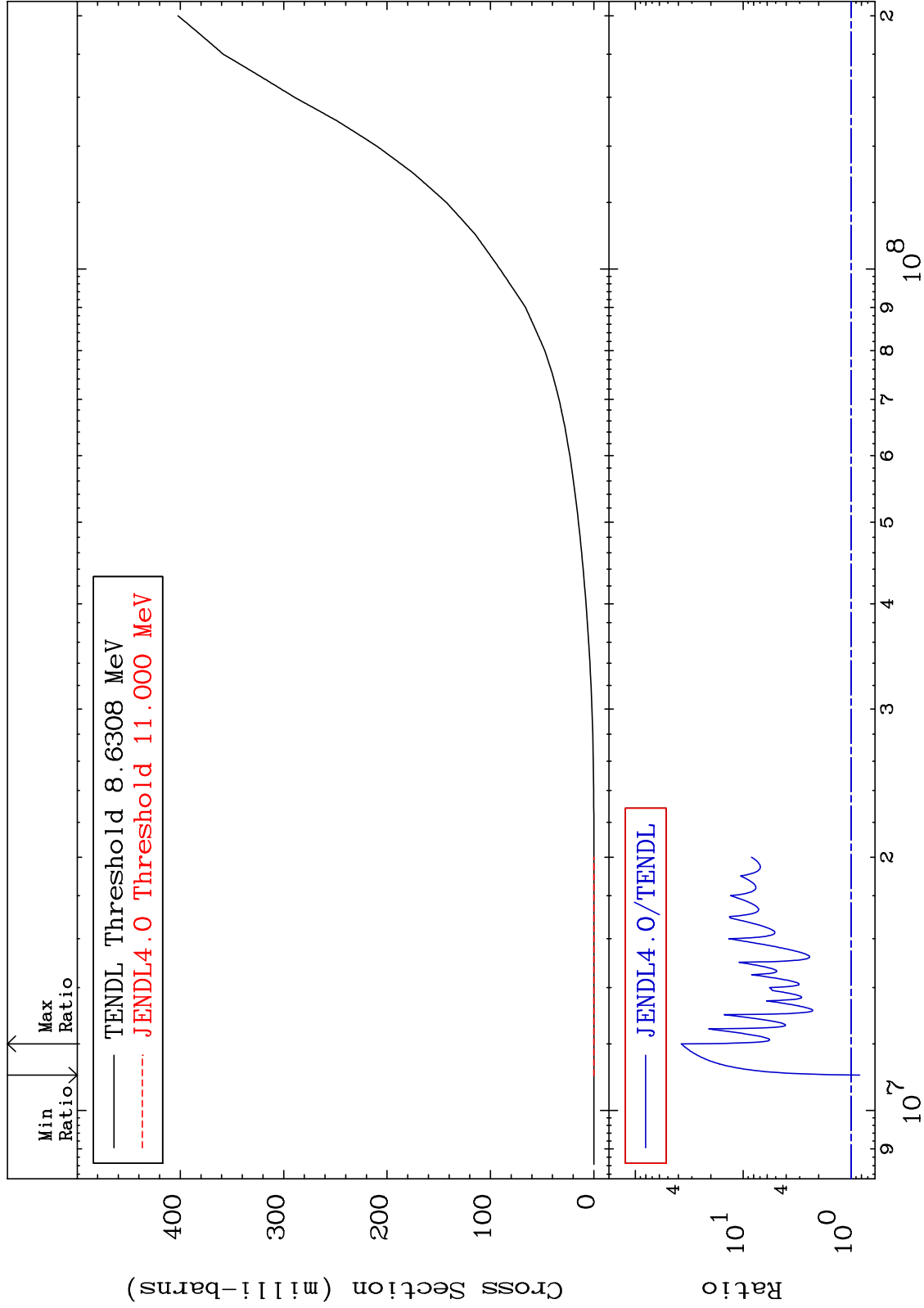




MAT 4525

He-3 Production  
Cross Section

45-Rh-103  
-16.97 To 3660. %



32

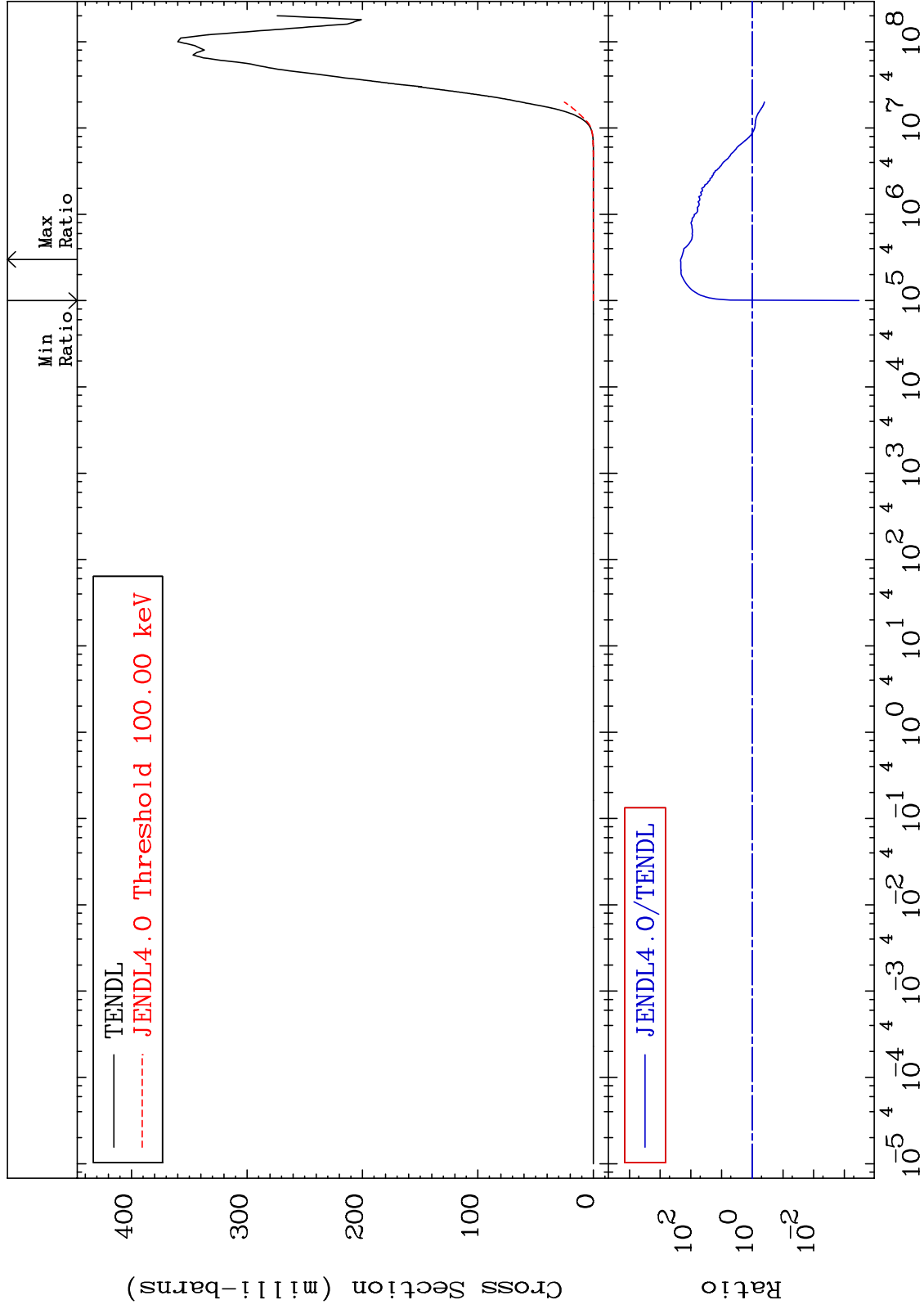
Incident Energy (eV)

45-Rh-103

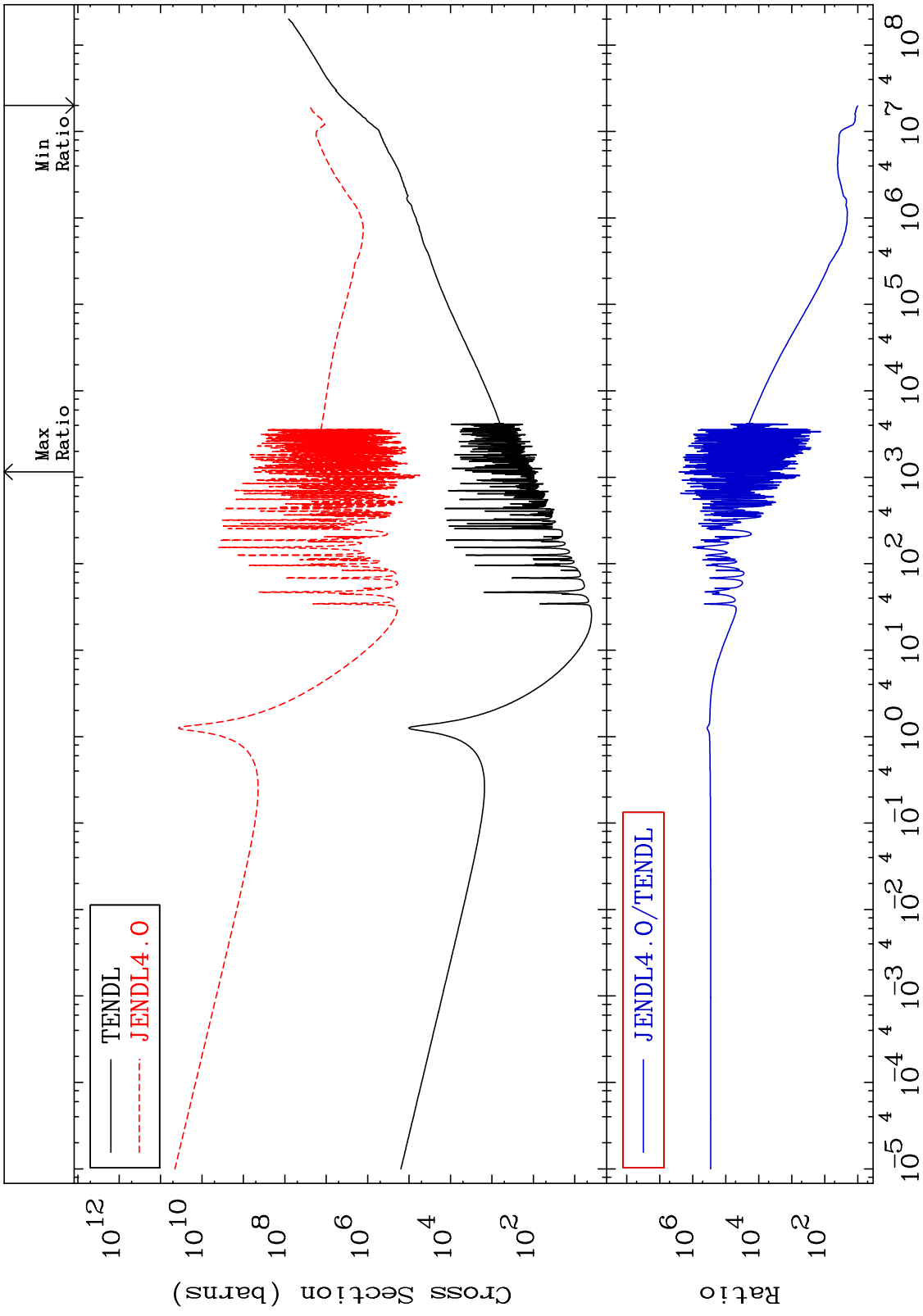
MAT 4525

He-4 Production  
Cross Section

45-Rh-103  
-99.97 To 9999. %



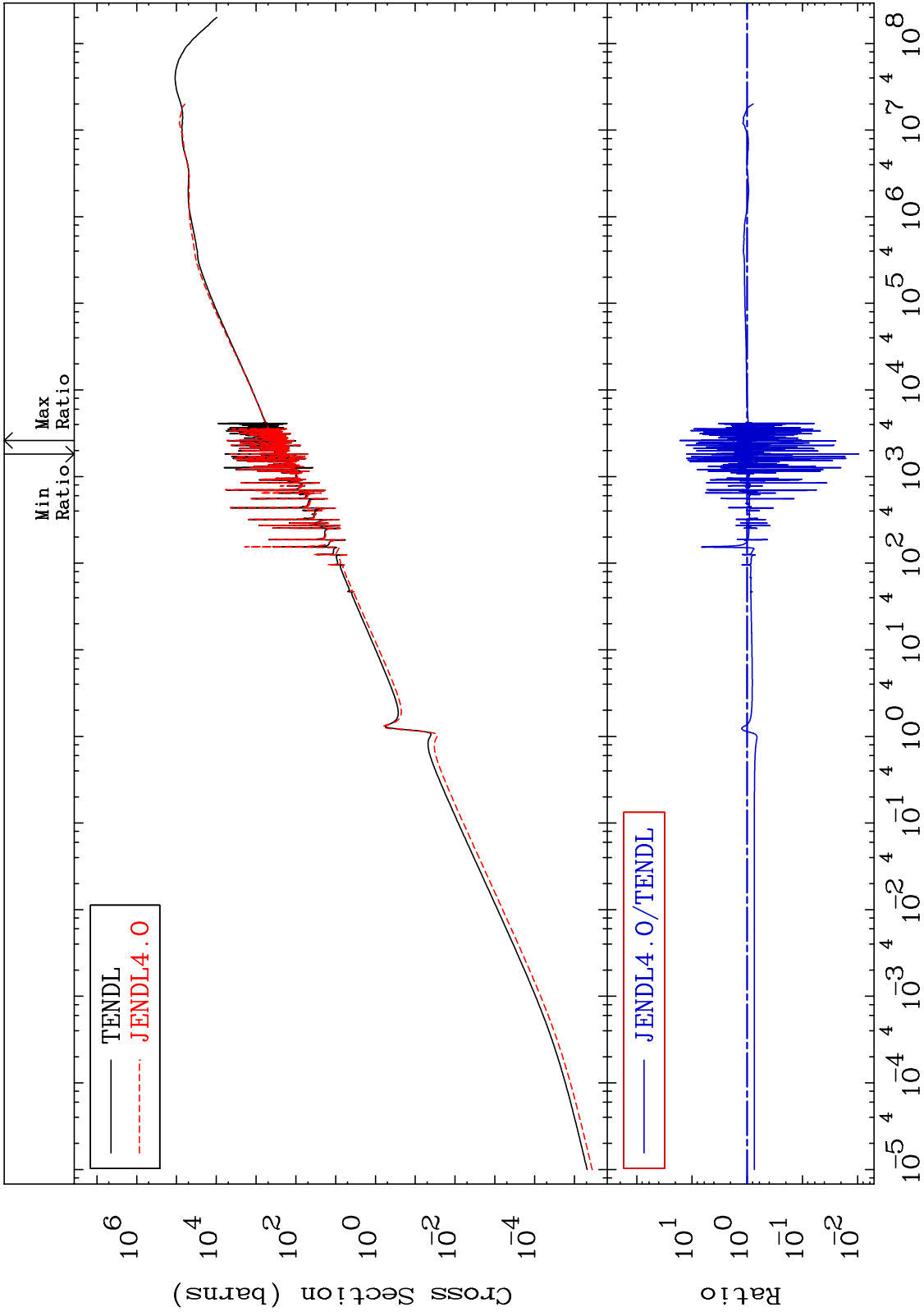
MAT 4525 Kerma total (eV-barns) 45-Rh-103  
 Cross Section 890.2 To 9999. %



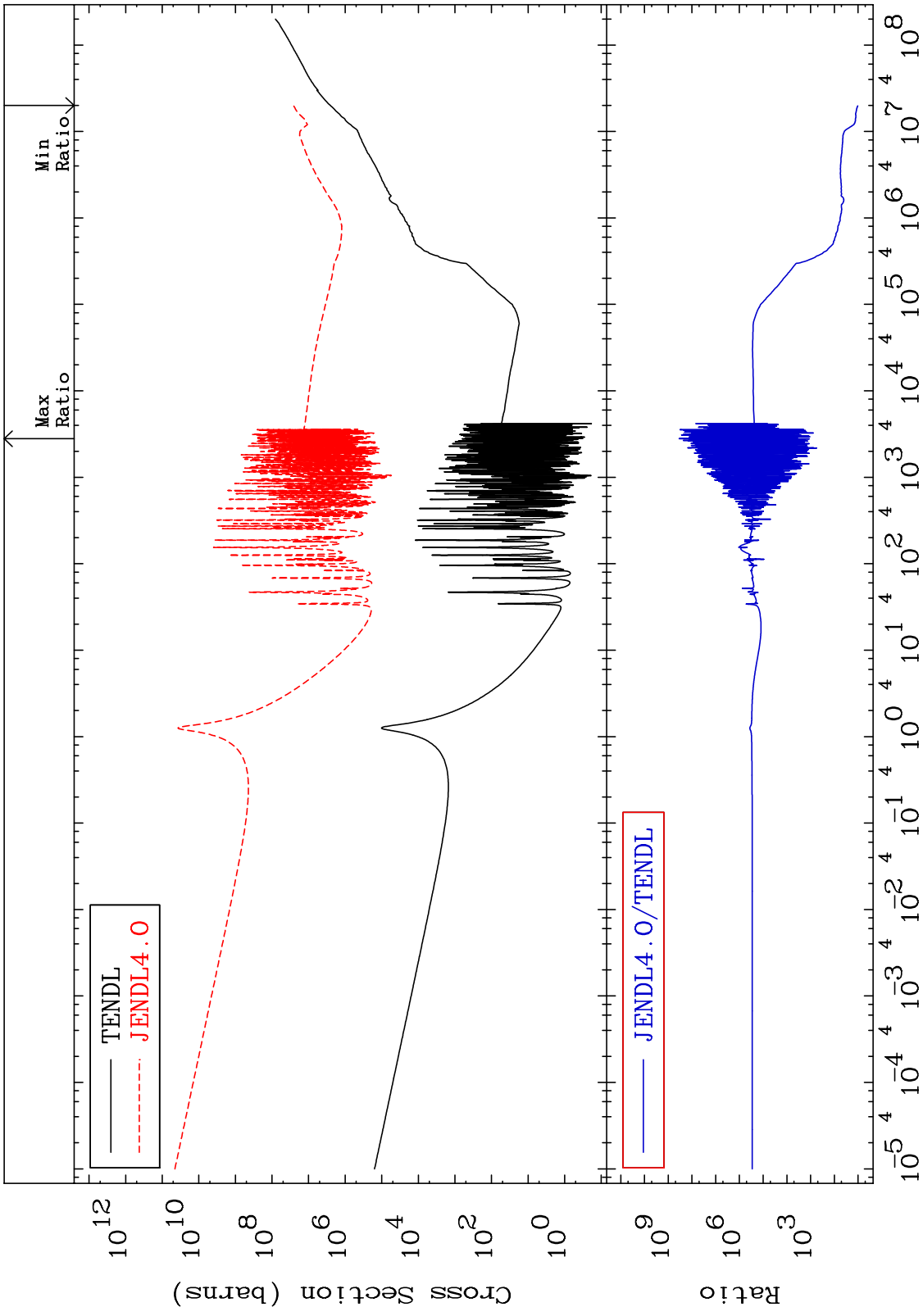
MAT 4525

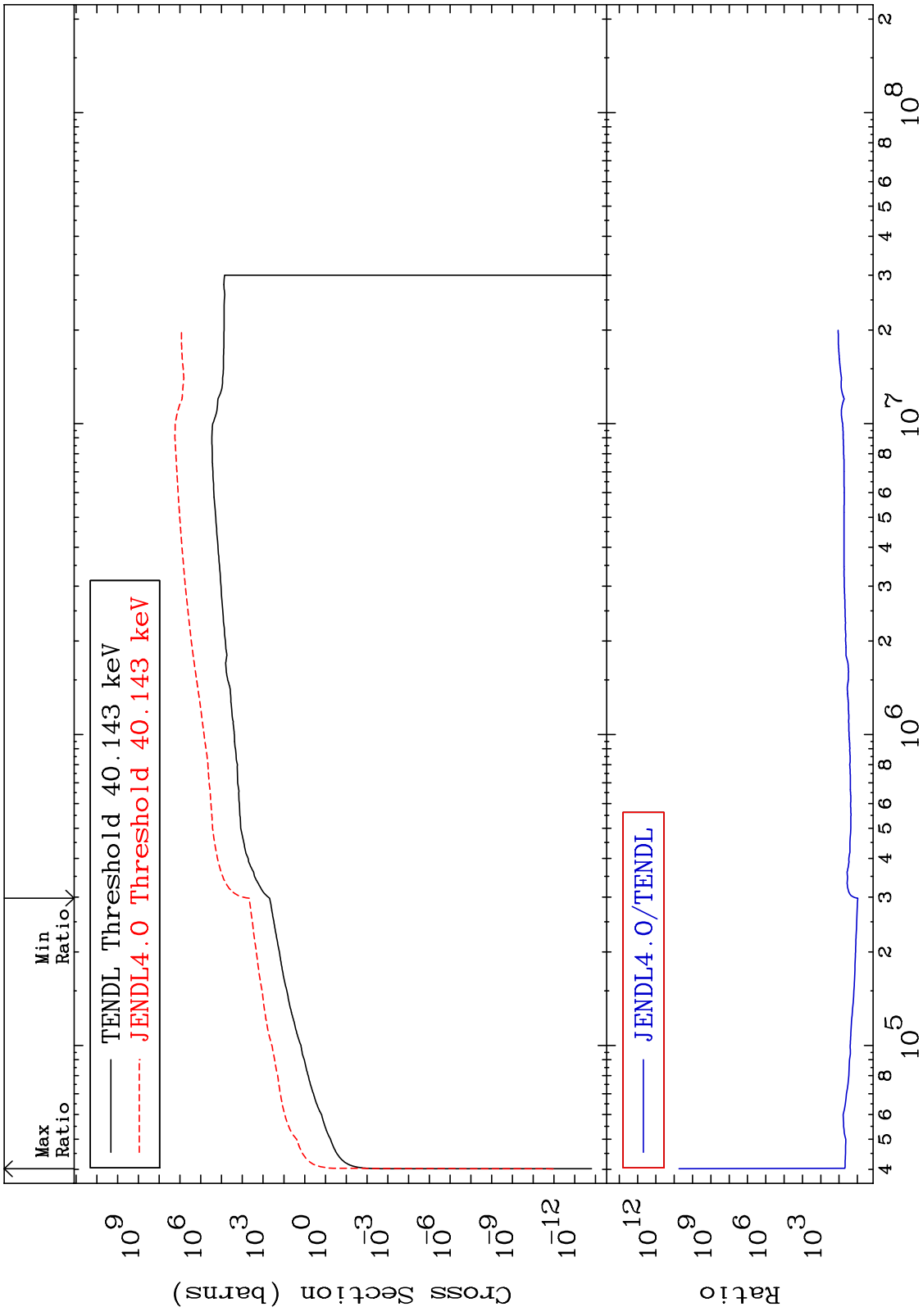
Kerma elastic  
Cross Section

45-Rh-103  
-99.05 To 1563. %



MAT 4525 Kerma non-elastic (all but mt2) Cross Section 45-Rh-103 918.0 To 9999. %

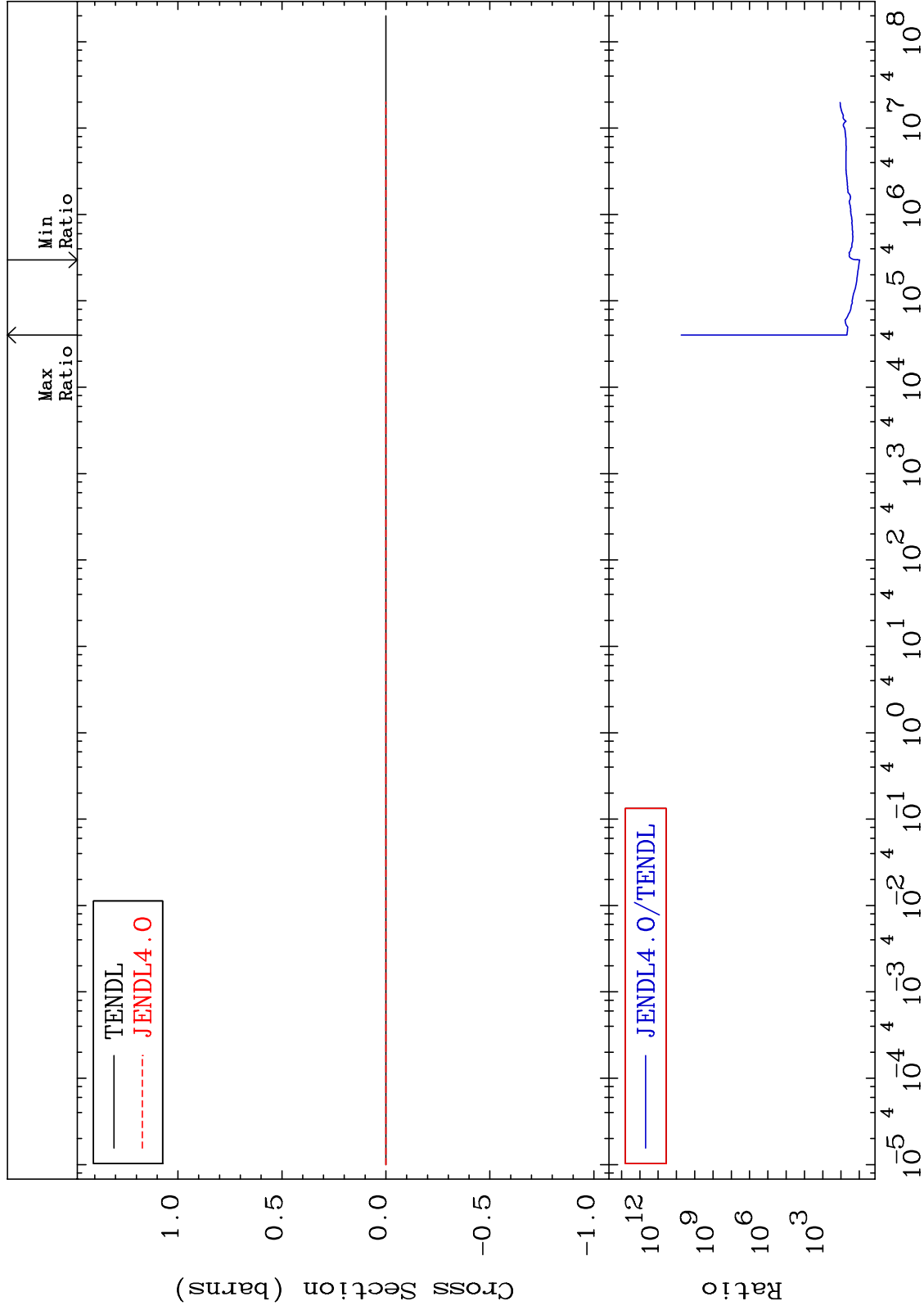




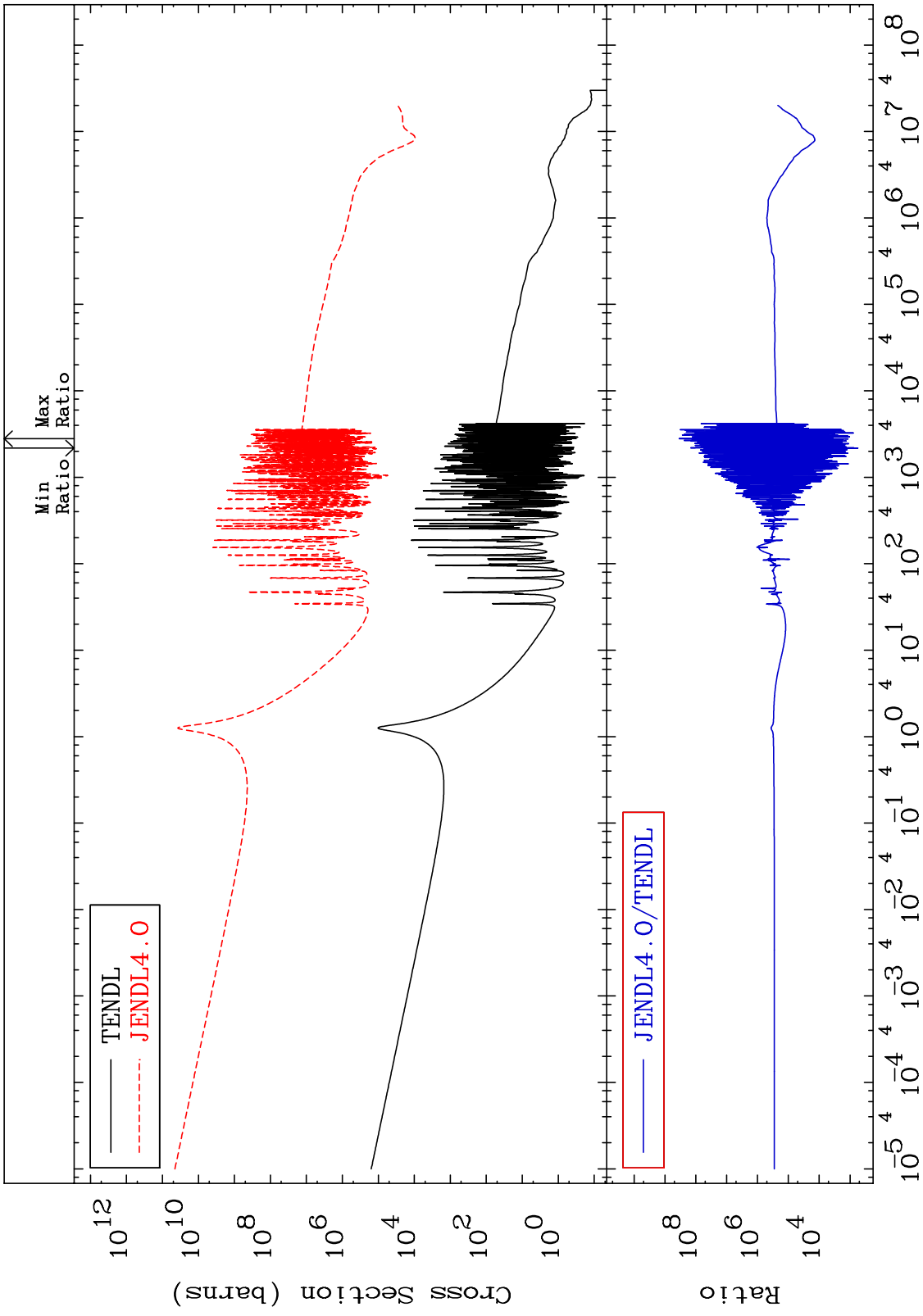
MAT 4525

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

45-Rh-103  
847.3 To 9999. %

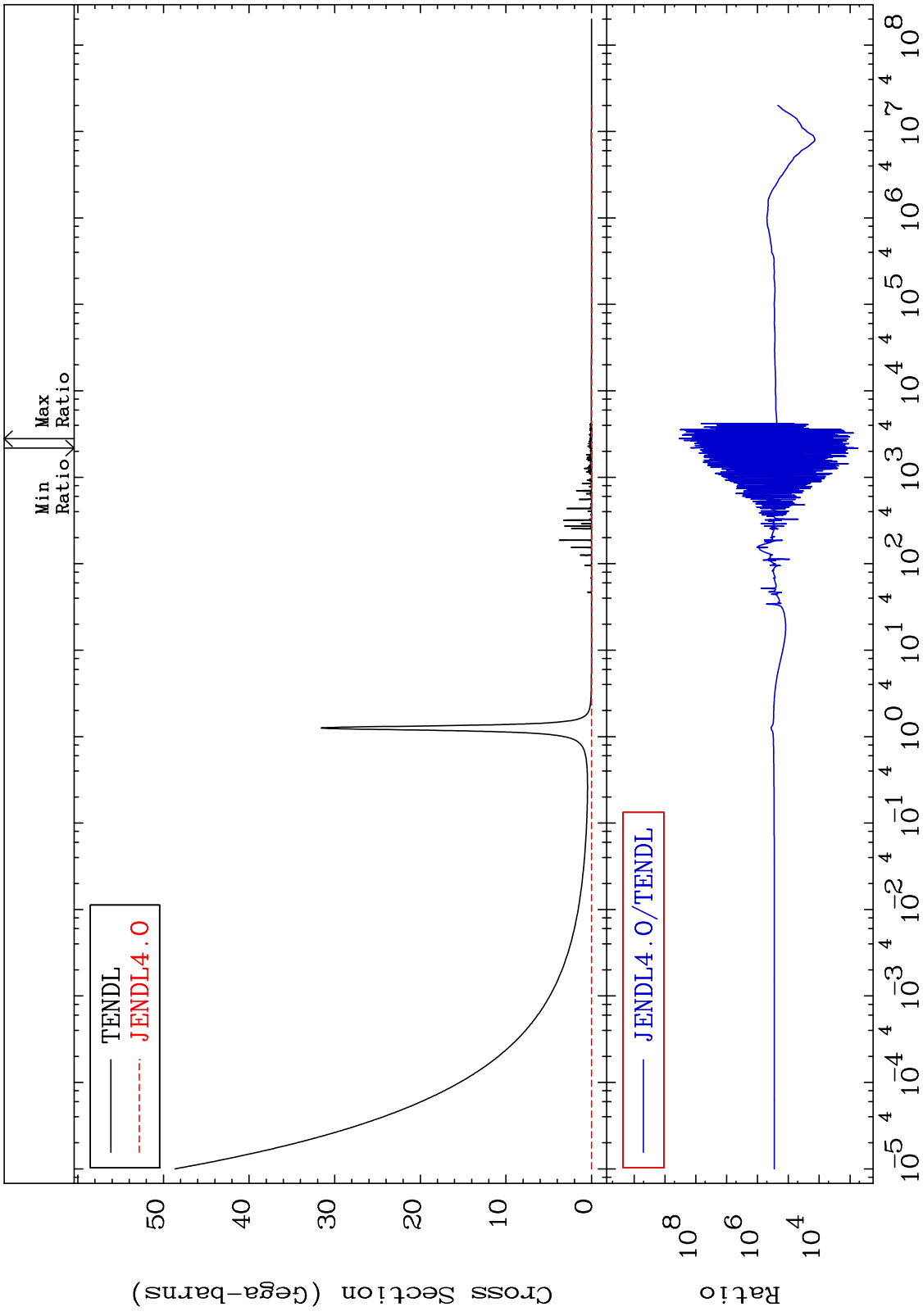


MAT 4525 Kerma capture (mt102) 45-Rh-103  
 Cross Section 9999. To 9999. %



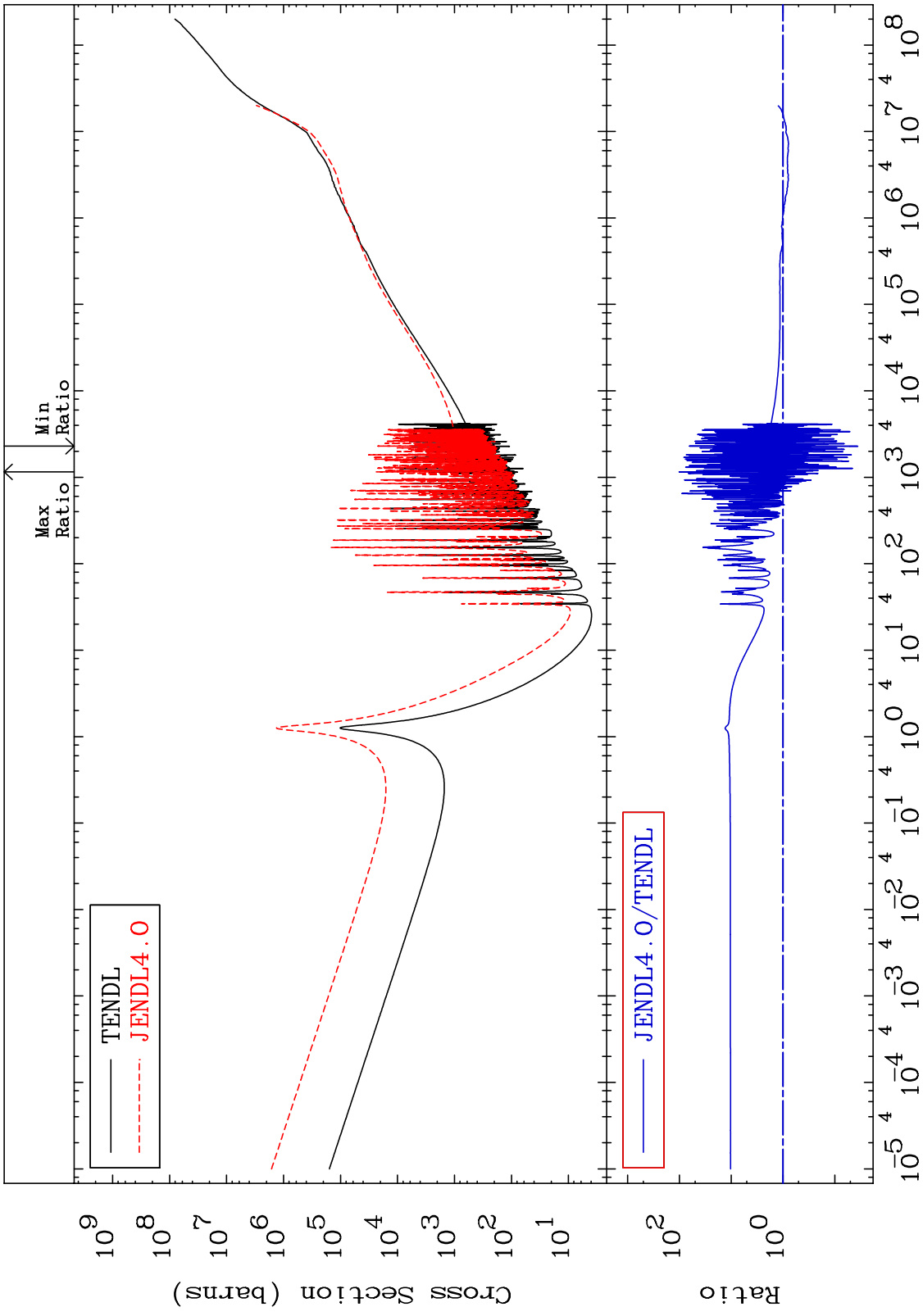


MAT 4525 Total photon (eV-barns) 45-Rh-103  
Cross Section 9999. To 9999. %

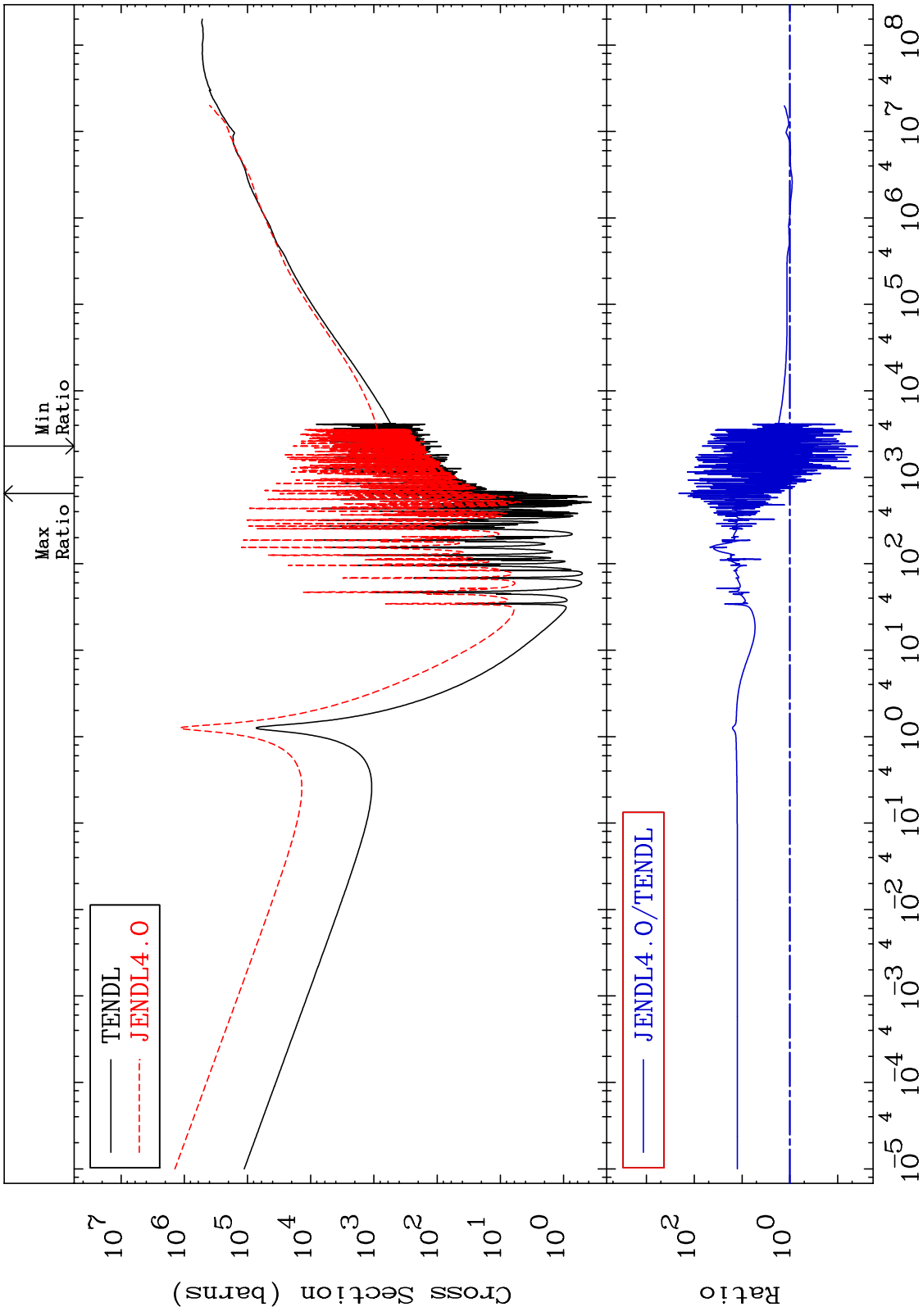


40 45-Rh-103

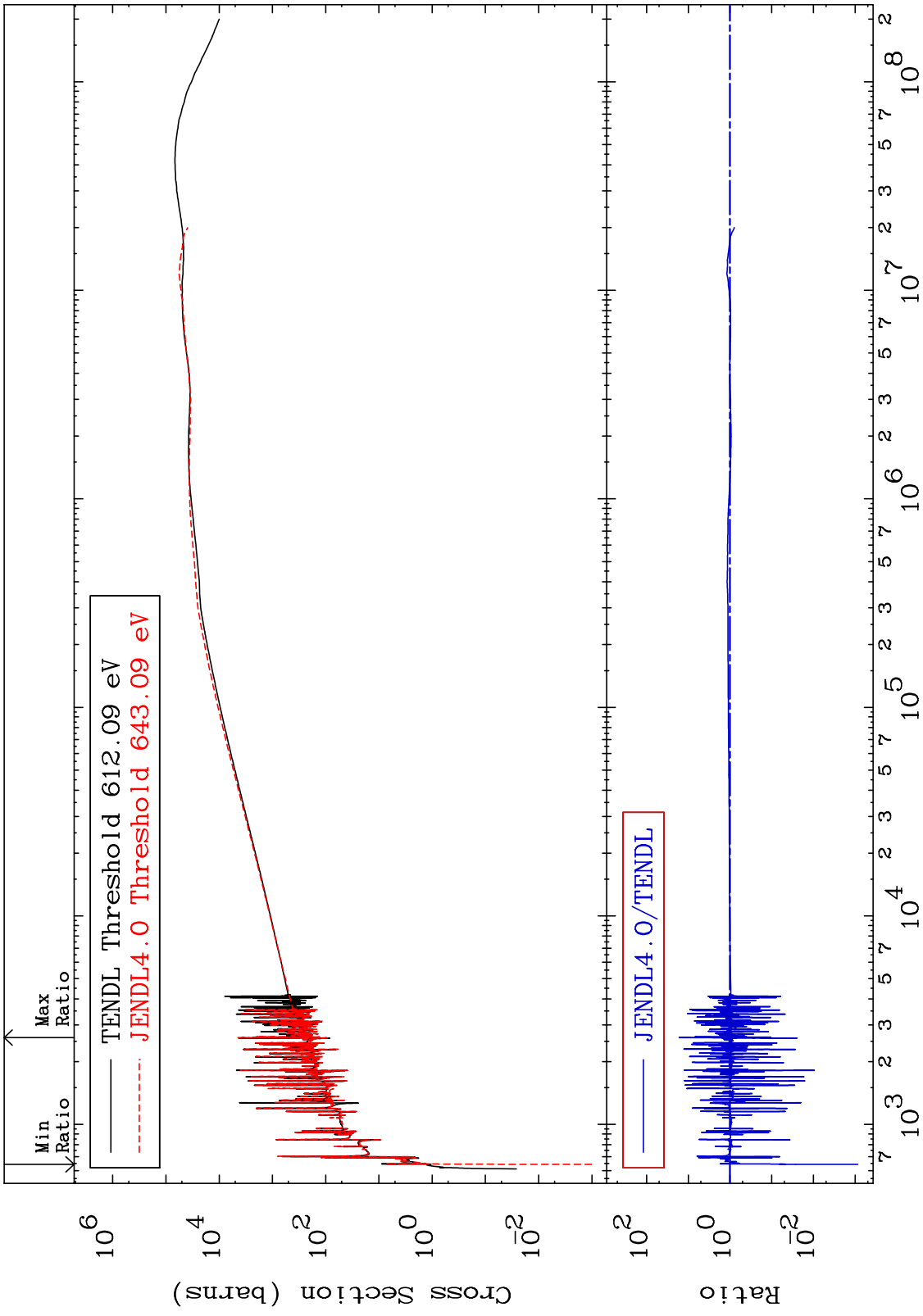
MAT 4525      Total kinematic kerma (high limit)      45-Rh-103  
 Cross Section      -96.41 To 9999. %



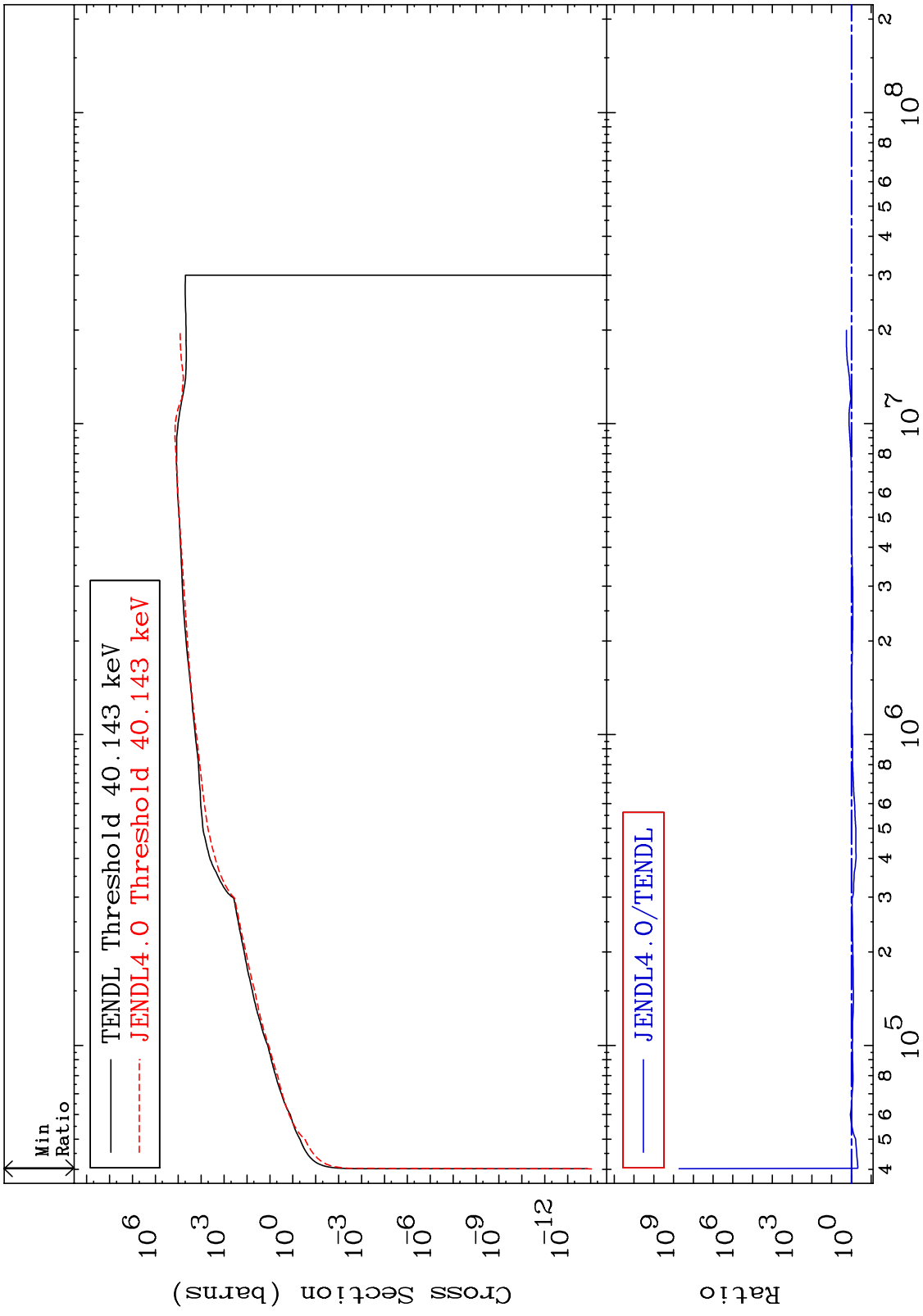
MAT 4525      Dpa total (eV-barns)      45-Rh-103  
 Cross Section      -96.21 To 9999. %



MAT 4525      Dpa elastic (mt2)      45-Rh-103  
Cross Section      -99.91 To 1563. %



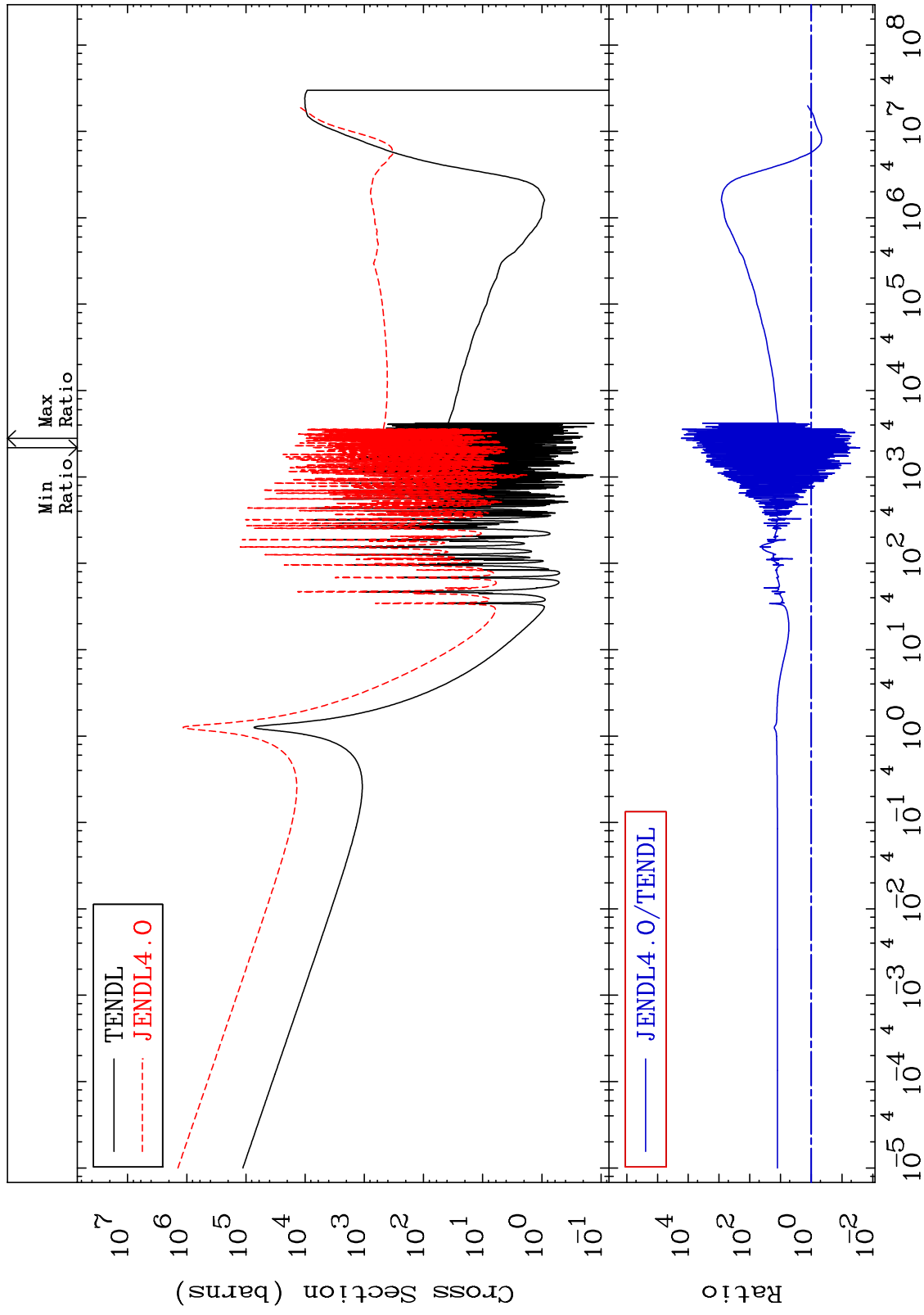
MAT 4525 Dpa inelastic (mt51-91) 45-Rh-103  
 Cross Section -52.83 To 9999. %



MAT 4525

Dpa disappearance (mt102 -120)  
Cross Section

45-Rh-103  
-97.36 To 9999. %

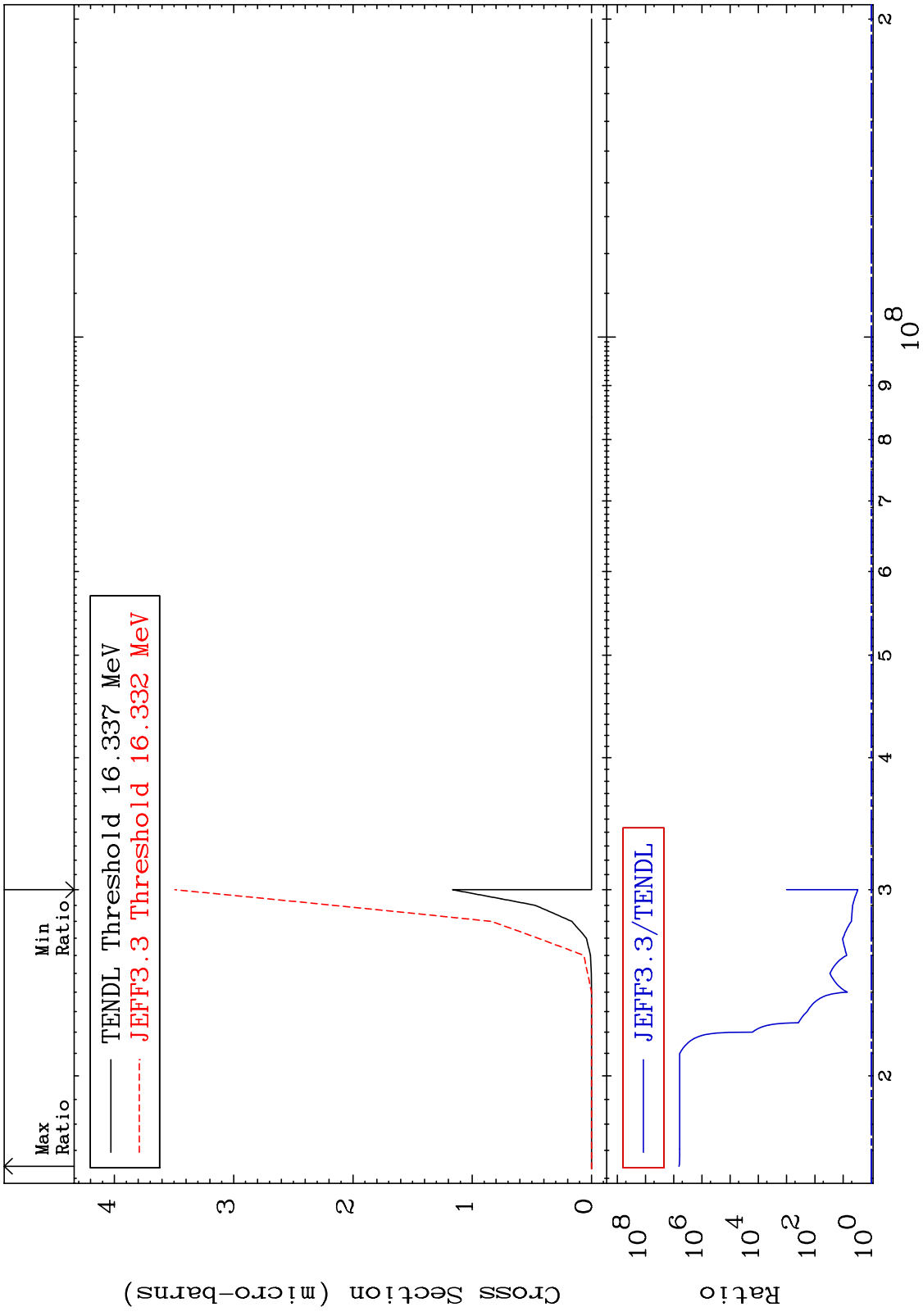


45

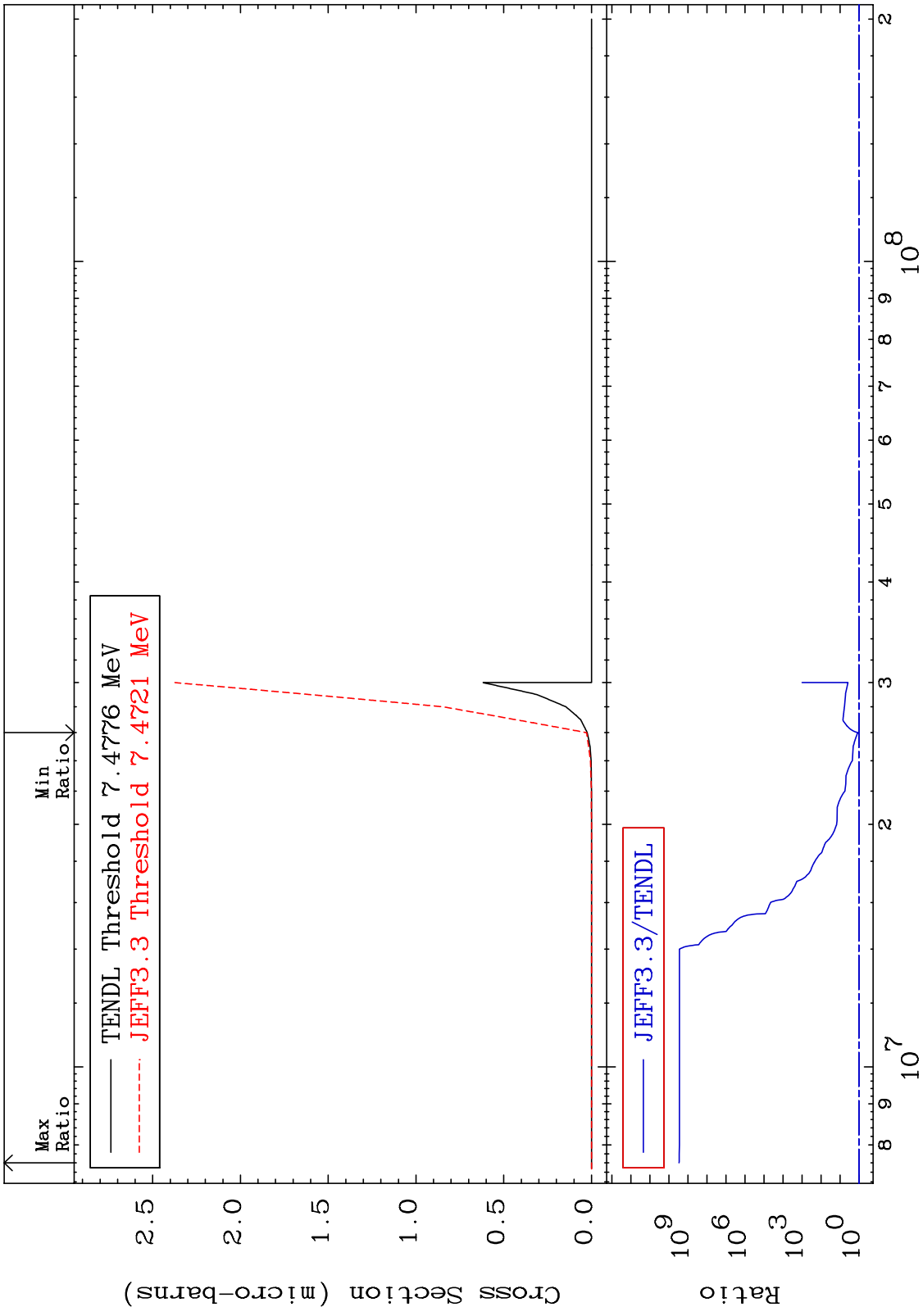
Incident Energy (eV)

45-Rh-103

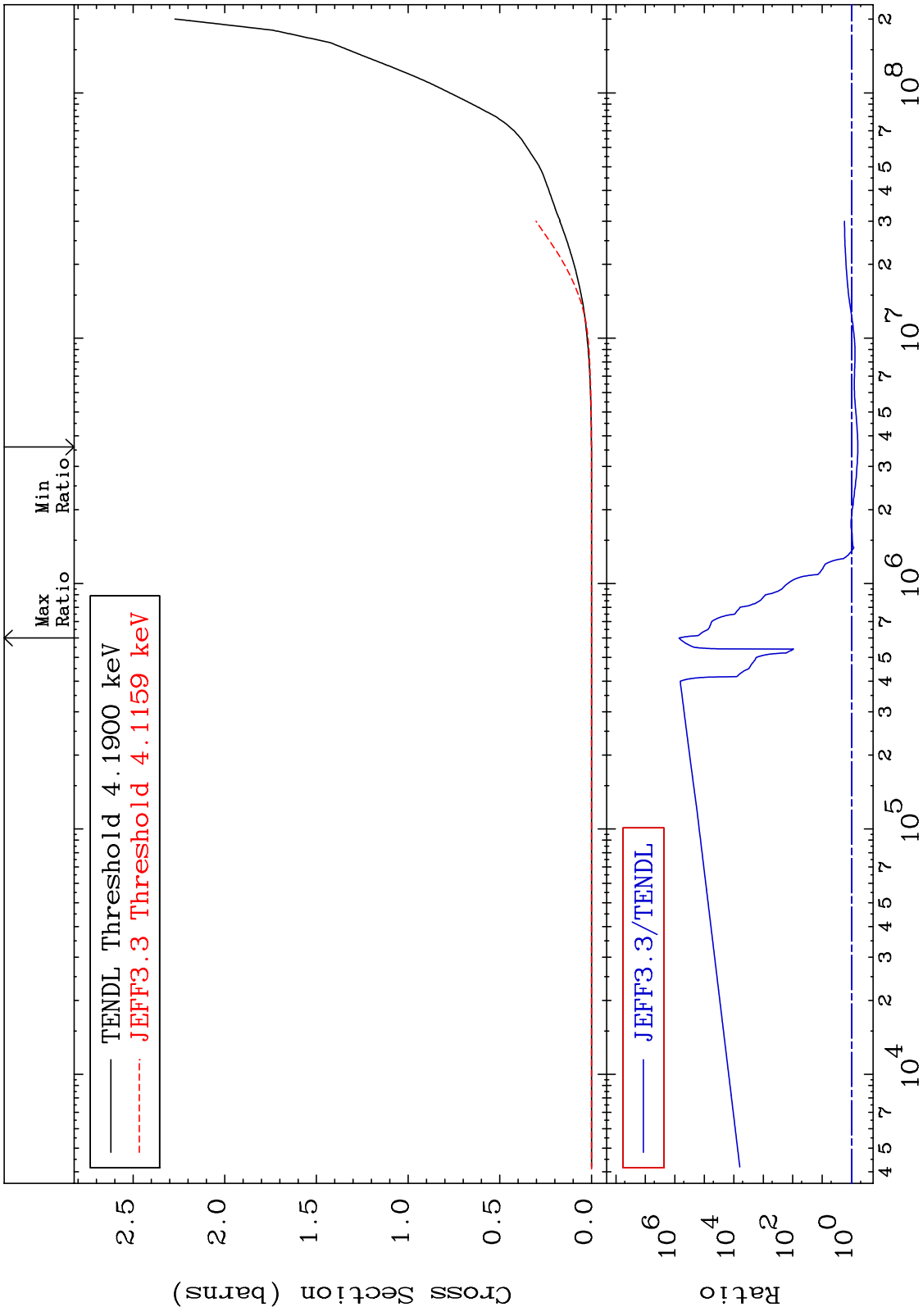
MAT 4525 (n,p) t 45-Rh-103  
 Cross Section 199.8 To 9999. %



MAT 4525 (n,d)  $\alpha$  45-Rh-103  
 Cross Section 14.99 To 9999. %



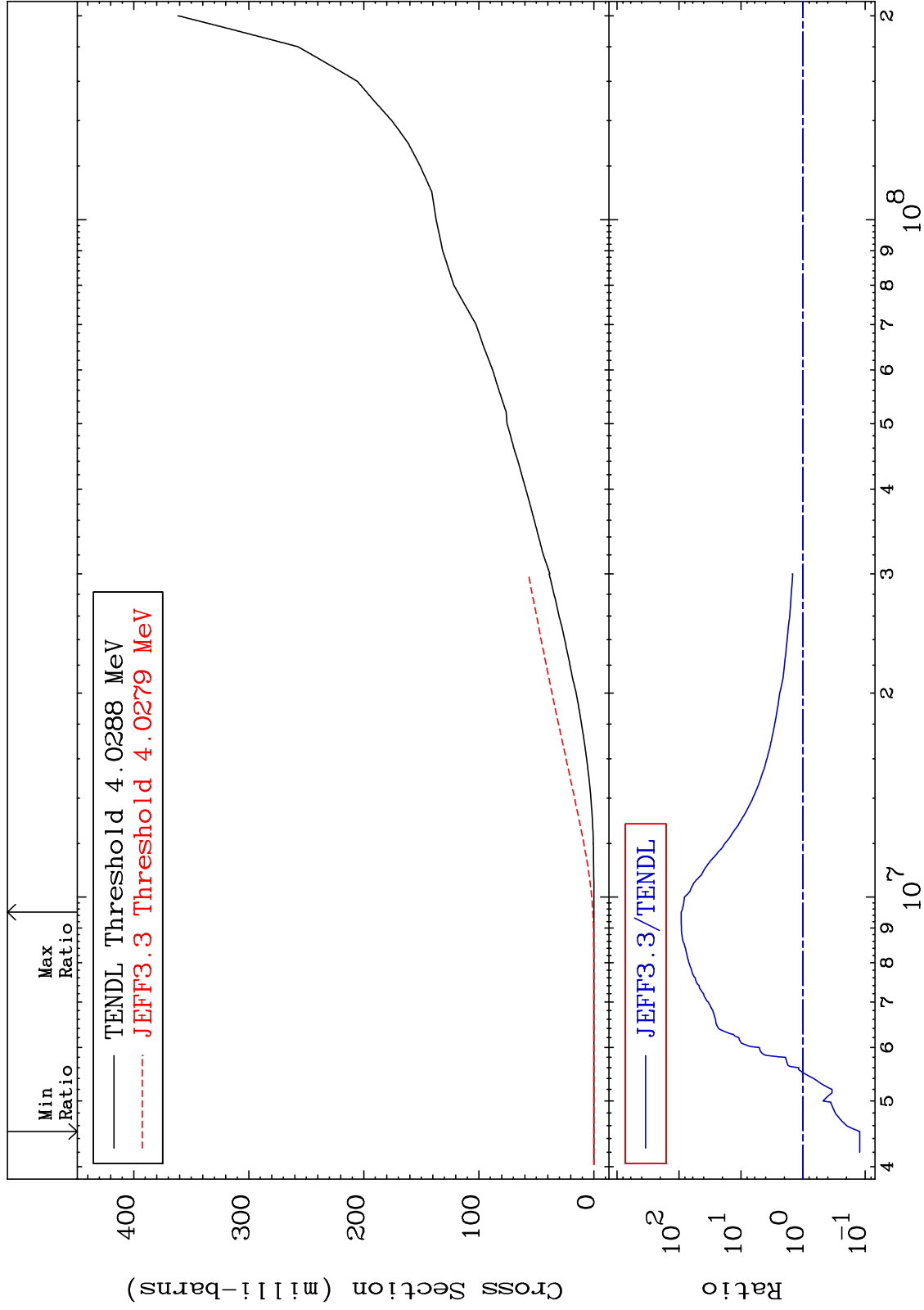




MAT 4525

Deuterium Production  
Cross Section

45-Rh-103  
-87.80 To 9085. %

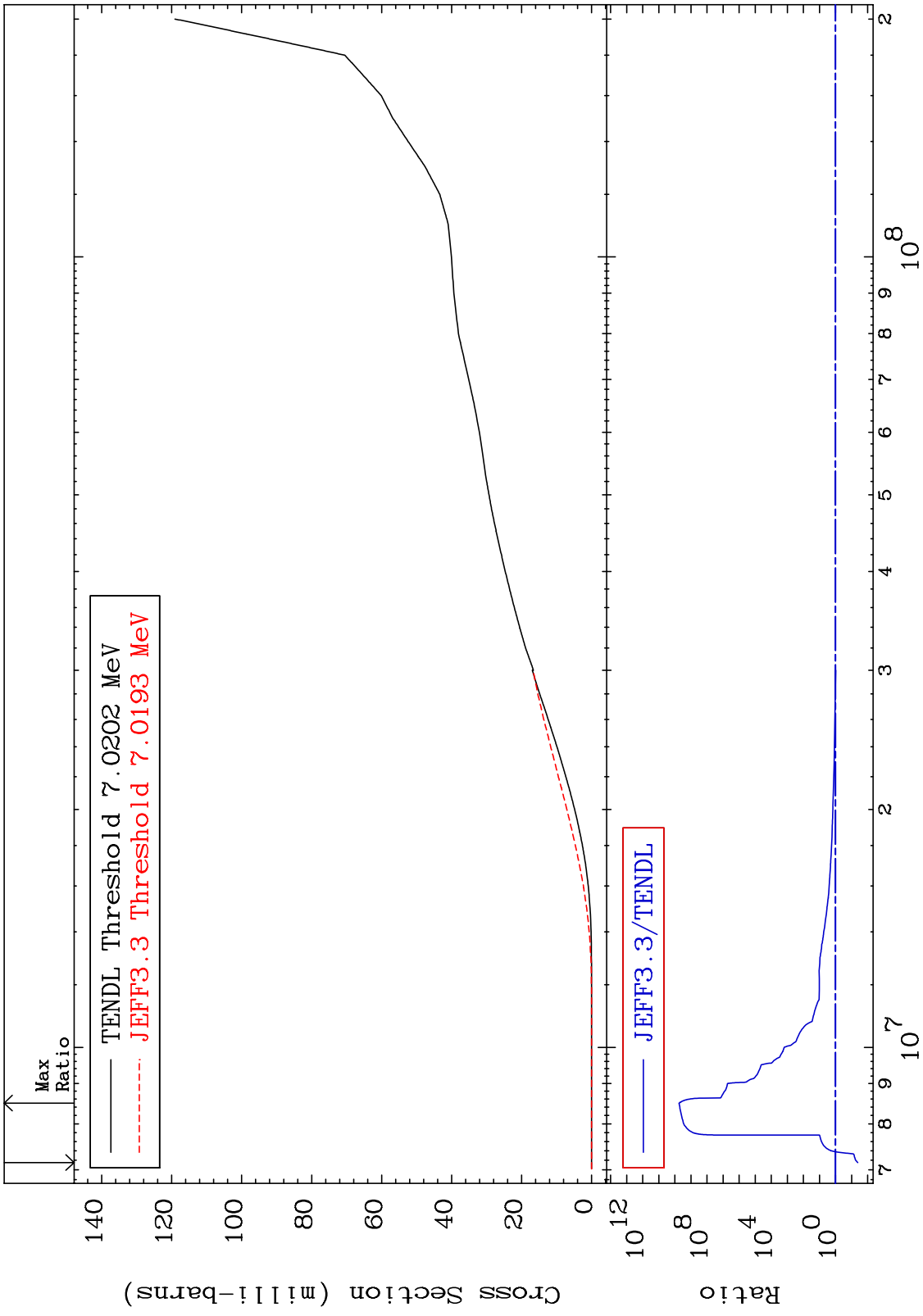


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Incident Energy (eV)

45-Rh-103

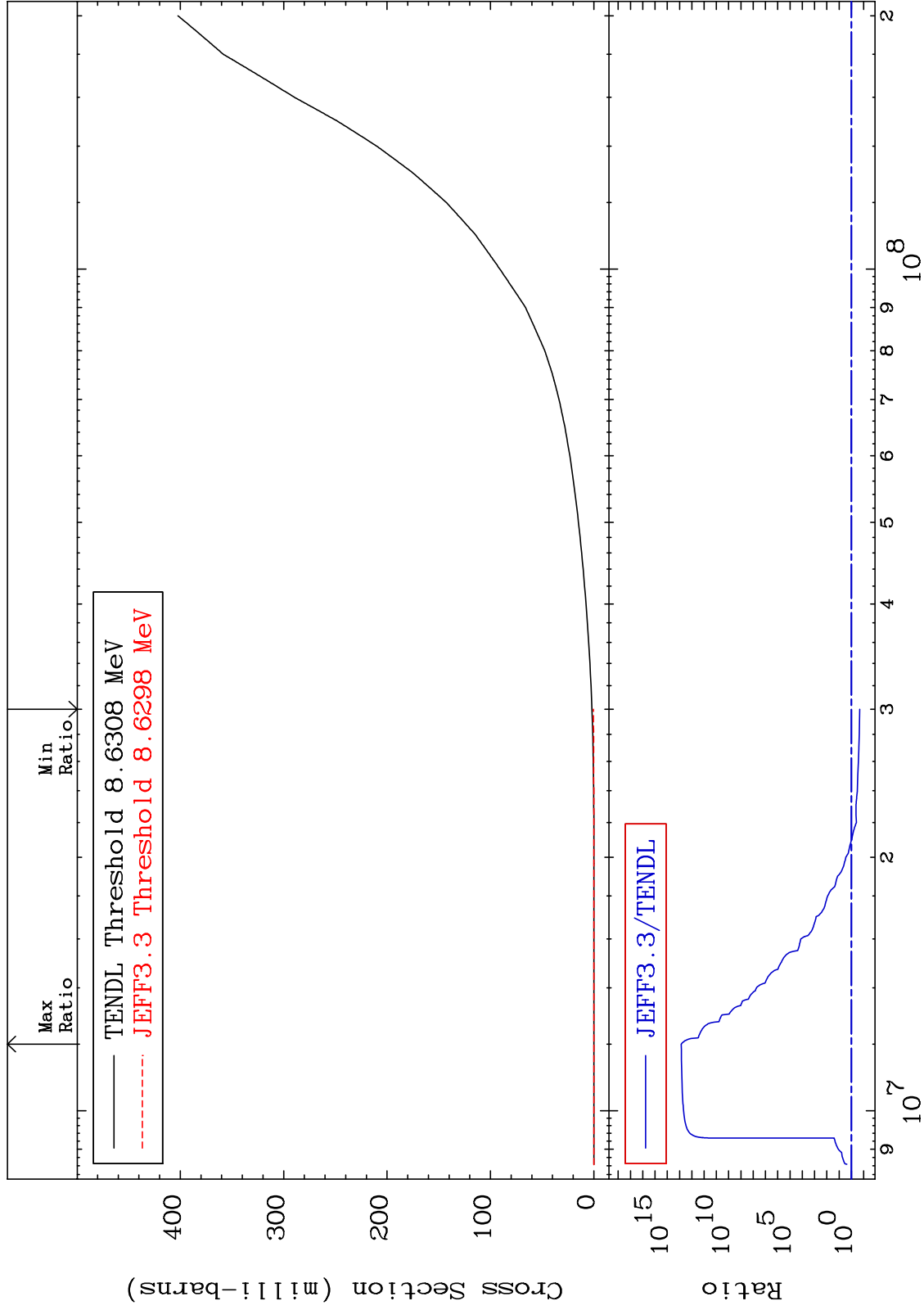
MAT 4525 Tritium Production Cross Section 45-Rh-103 -95.92 To 9999. %



MAT 4525

He-3 Production  
Cross Section

45-Rh-103  
-79.13 To 9999. %

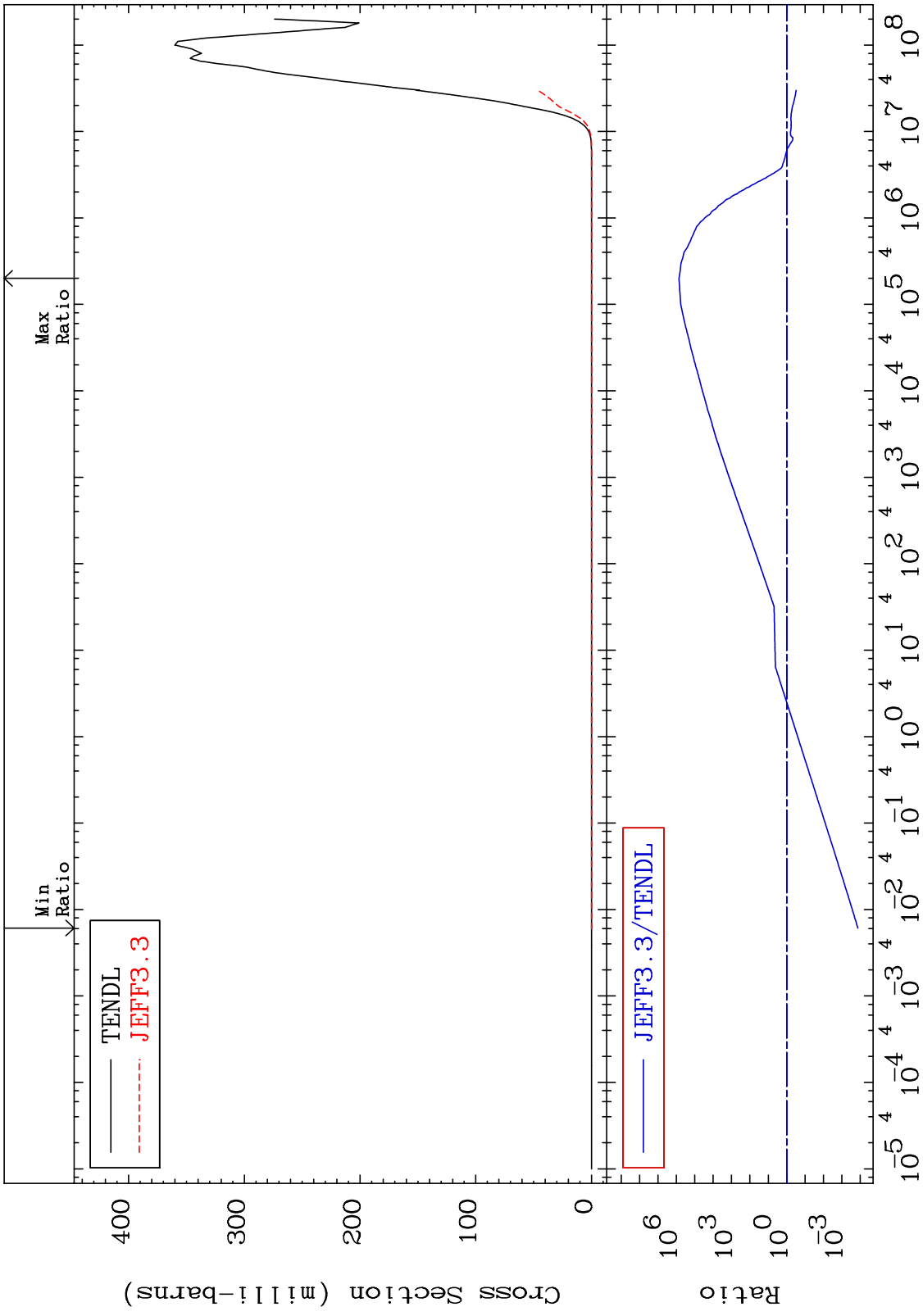


51

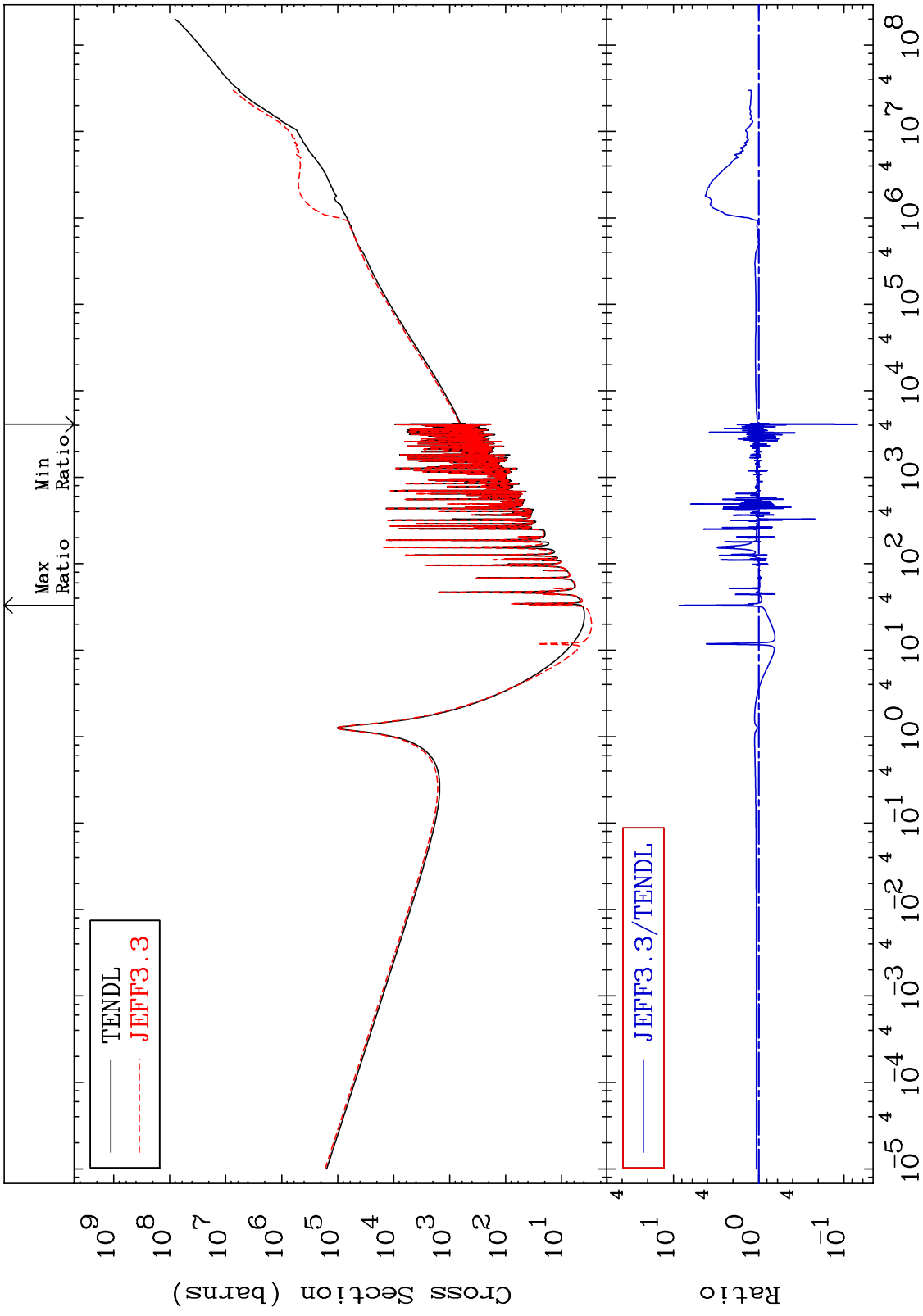
Incident Energy (eV)

45-Rh-103

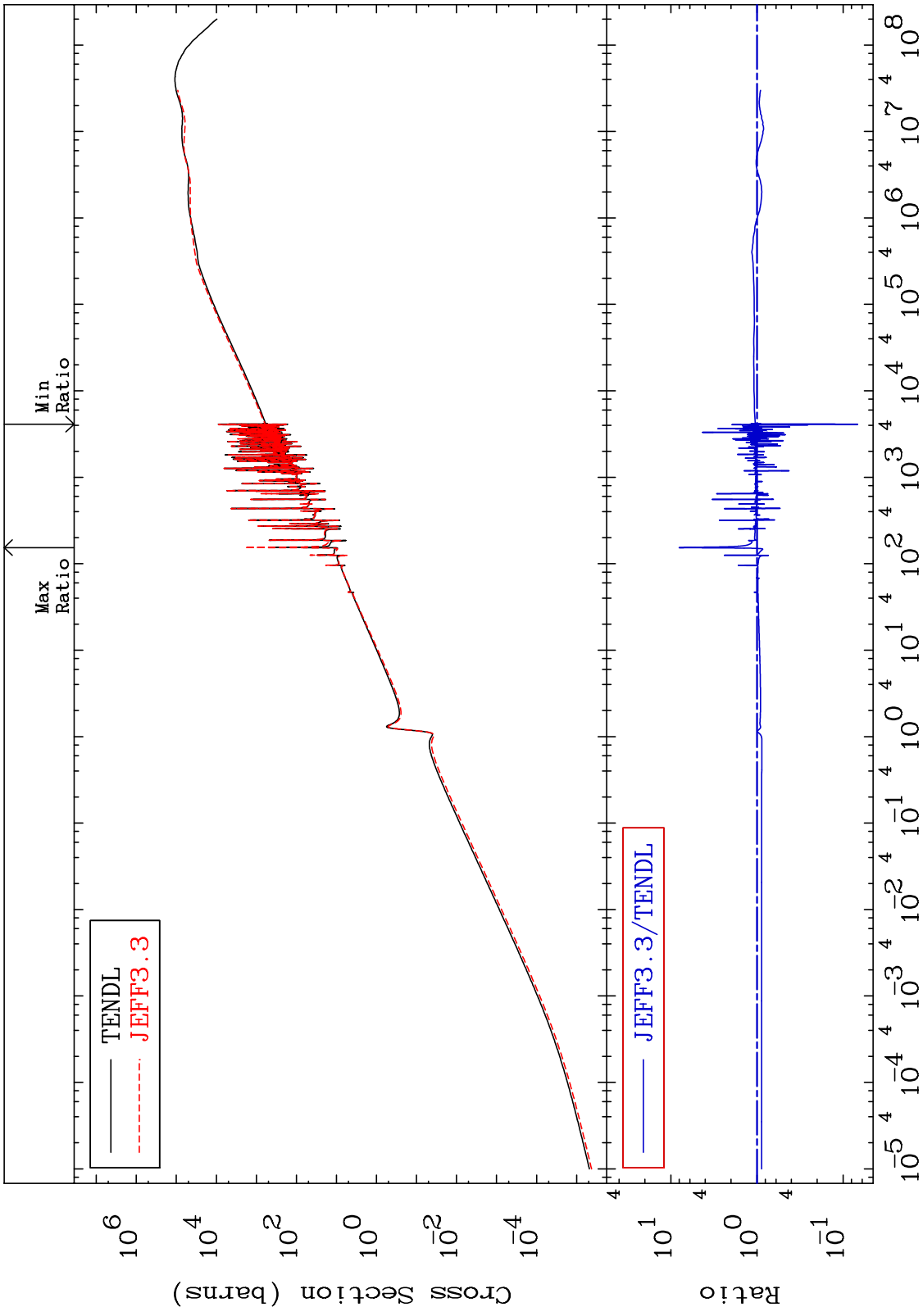
MAT 4525 He-4 Production Cross Section 45-Rh-103  
-99.99 To 9999. %



MAT 4525      Kerma total (eV-barns)      45-Rh-103  
 Cross Section      -93.13 To 759.8 %

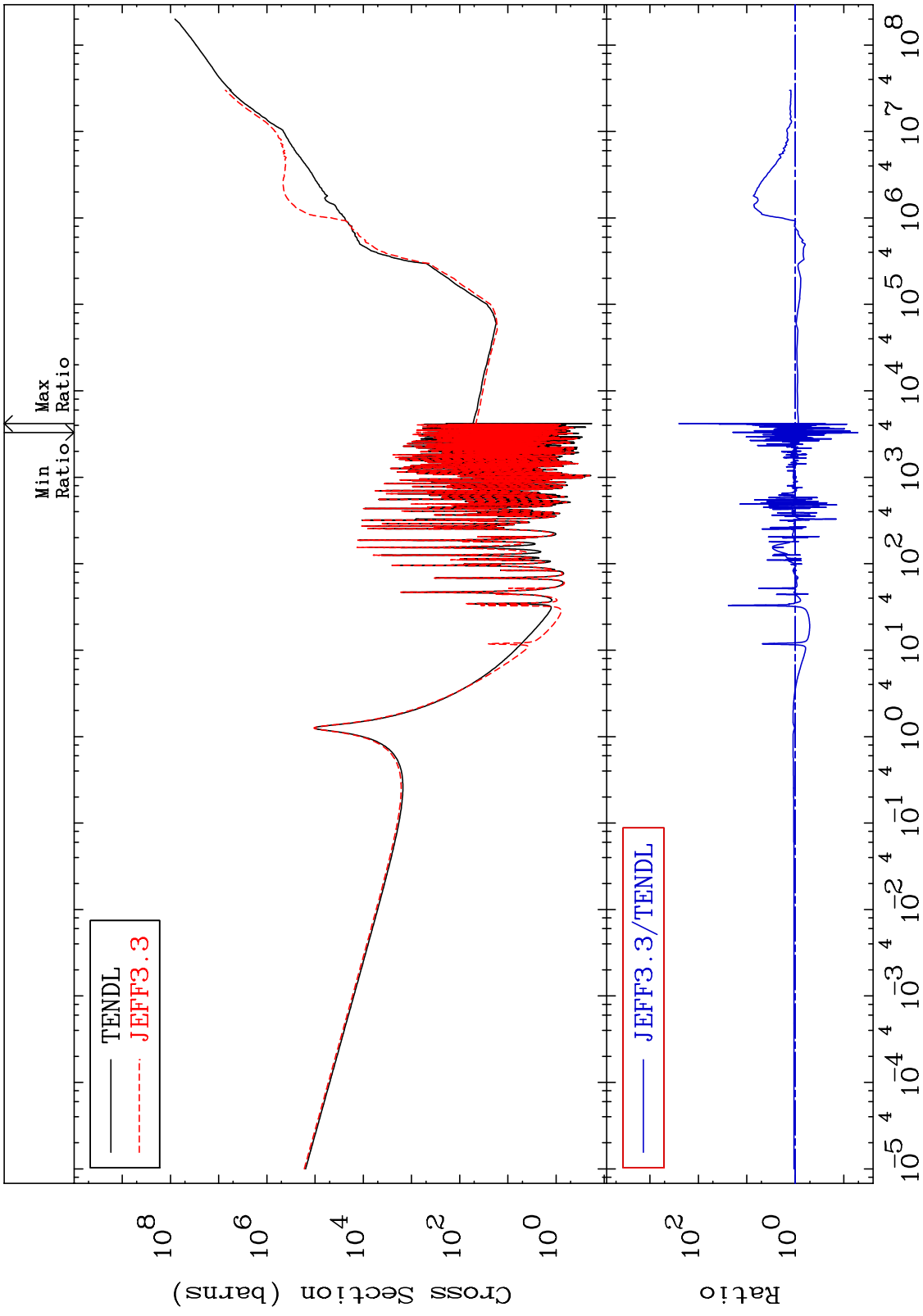


MAT 4525 45-Rh-103  
 Kerma elastic Cross Section -93.25 To 704.3 %



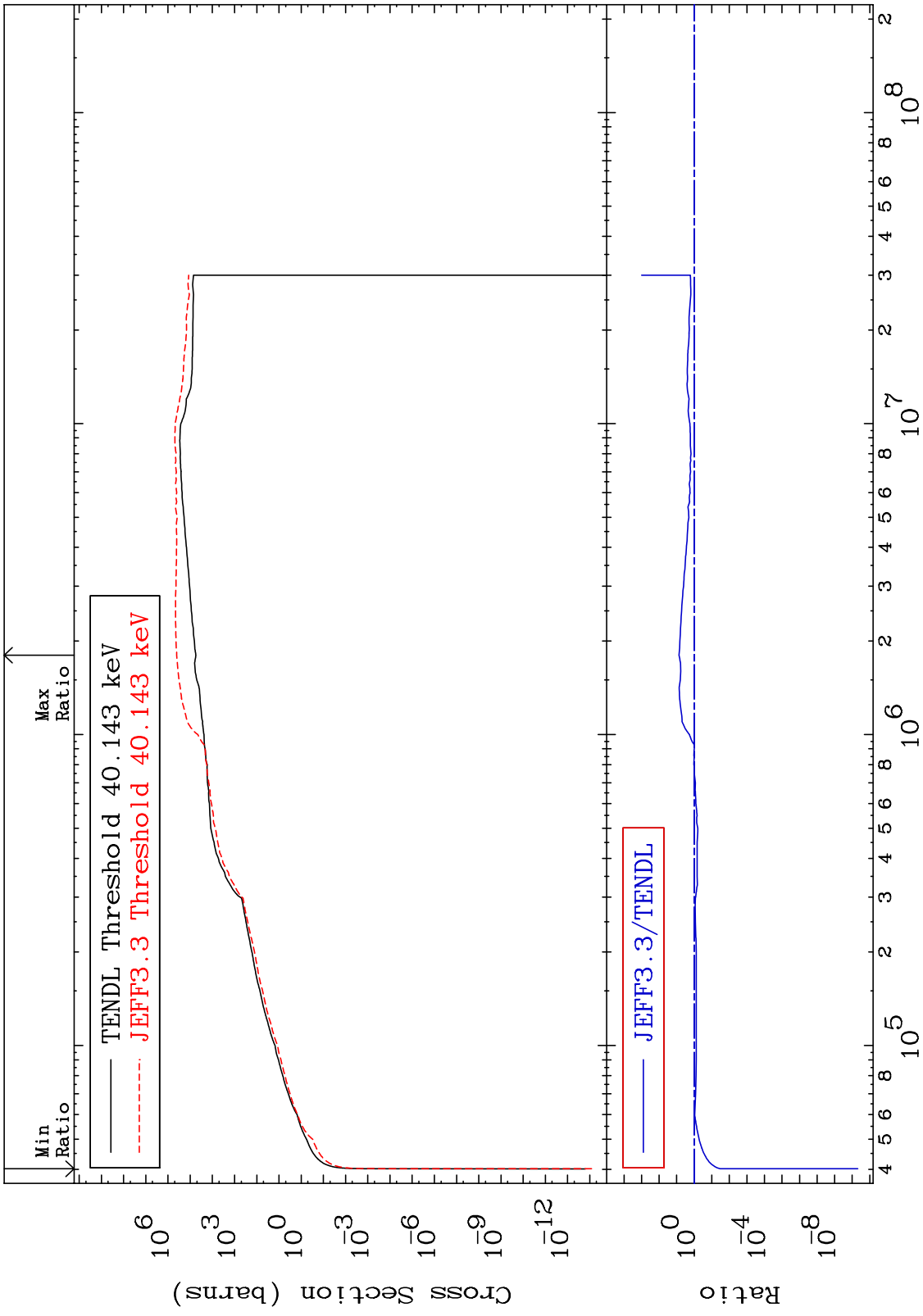
54 45-Rh-103

MAT 4525 Kerma non-elastic (all but mt.2) 45-Rh-103  
 Cross Section -94.87 To 9999. %





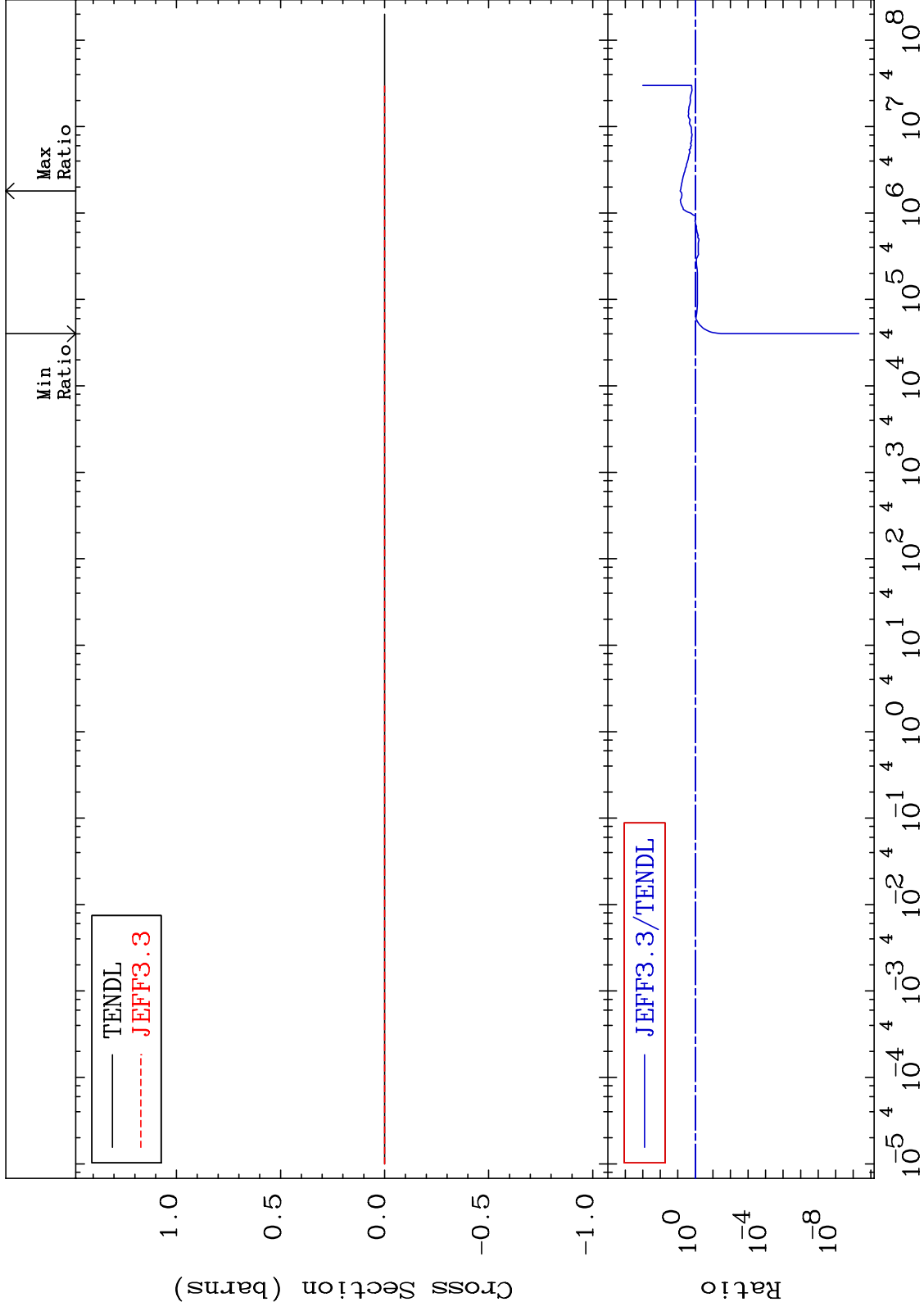
MAT 4525 Kerma inelastic (mt51-91) 45-Rh-103  
-100.0 To 632.5 %  
Cross Section



MAT 4525

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

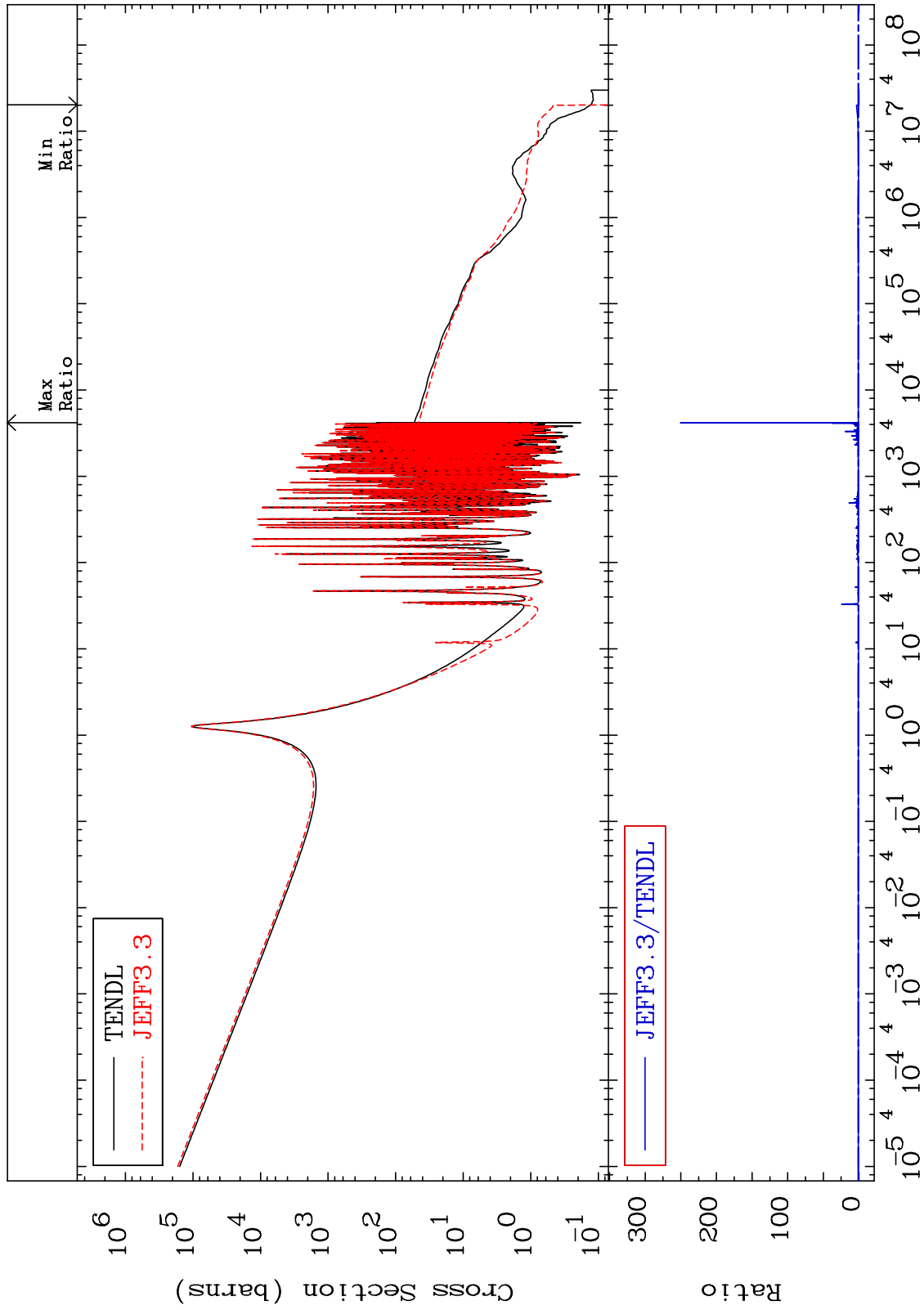
45-Rh-103  
-100.0 To 632.5 %



MAT 4525

Kerma capture (mt102)  
Cross Section

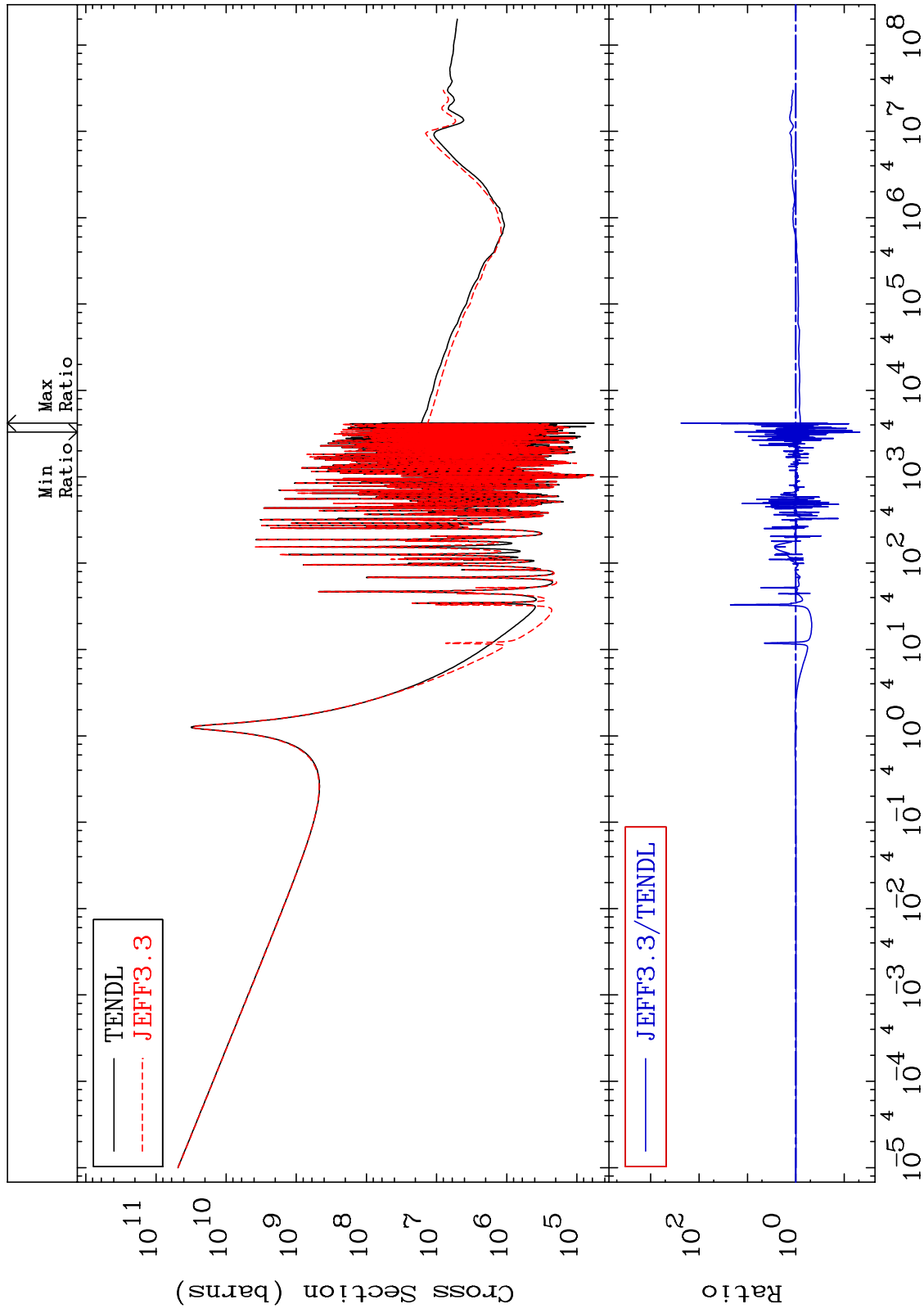
45-Rh-103  
-100.0 To 9999. %



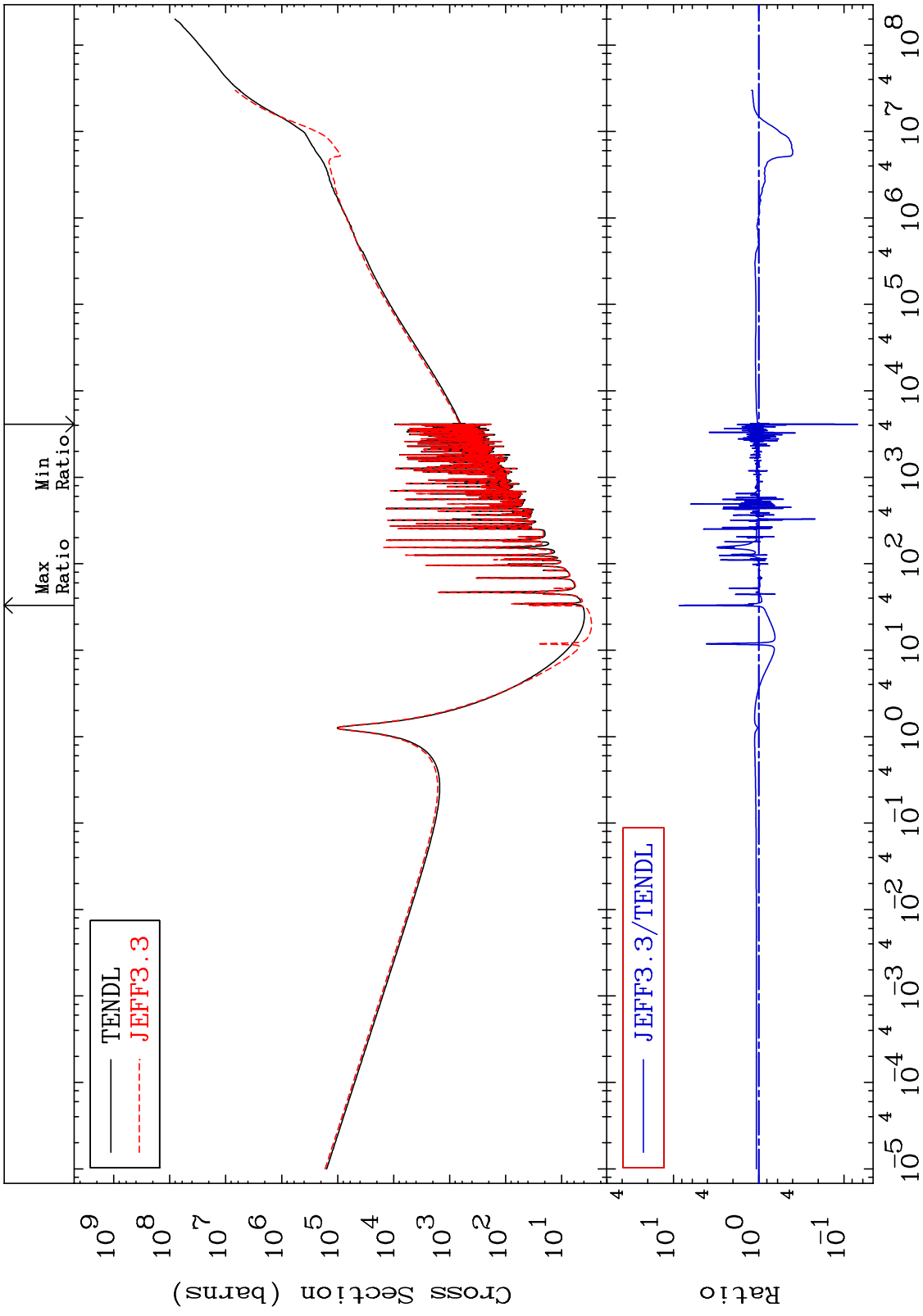
MAT 4525

Total photon (eV-barns)  
Cross Section

45-Rh-103  
-95.22 To 9999. %



MAT 4525      Total kinematic kerma (high limit)      45-Rh-103  
 Cross Section      -93.13 To 759.8 %



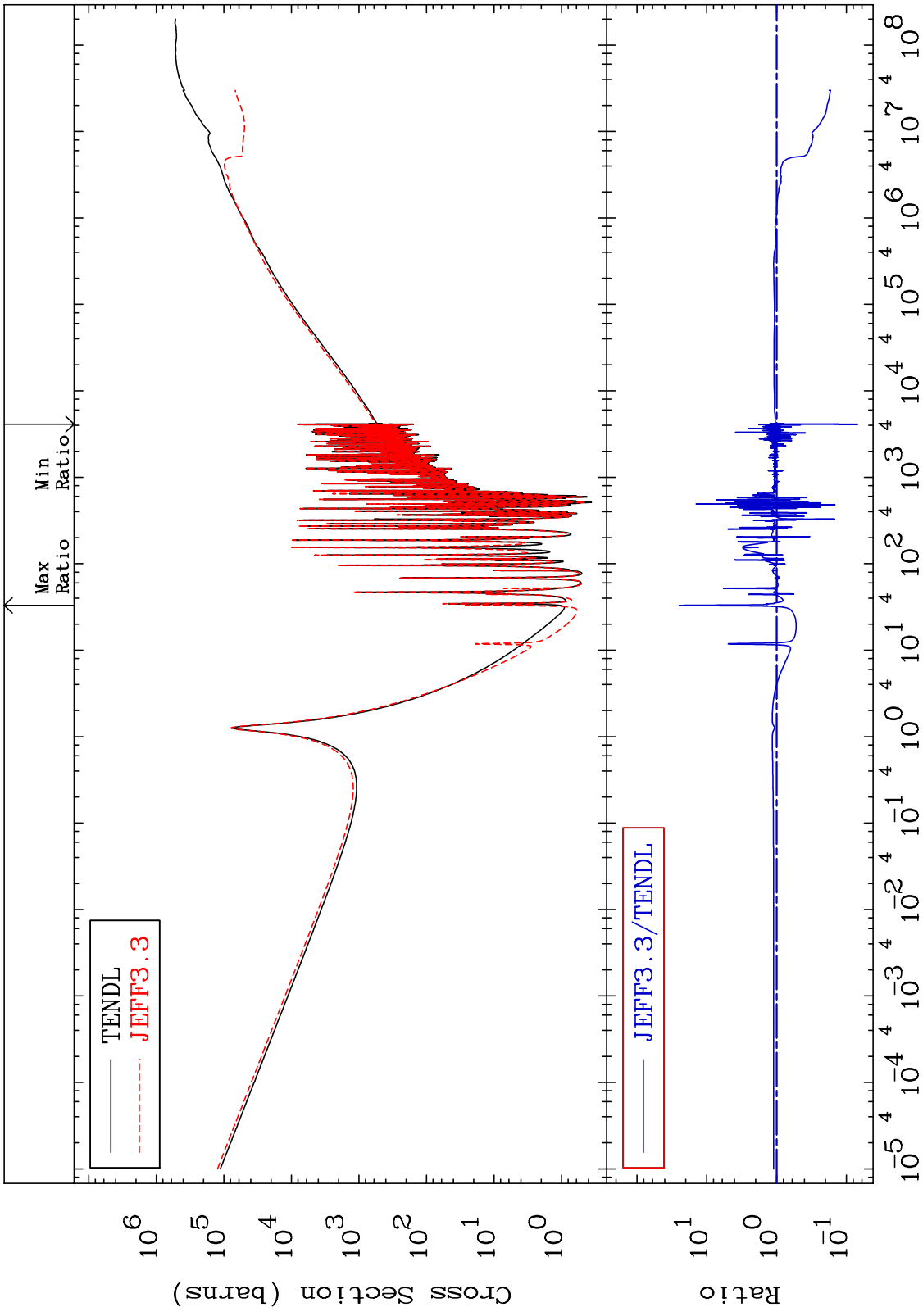
60      Incident Energy (eV)      45-Rh-103

MAT 4525

Dpa total (eV-barns)

45-Rh-103

-93.13 To 2397. %

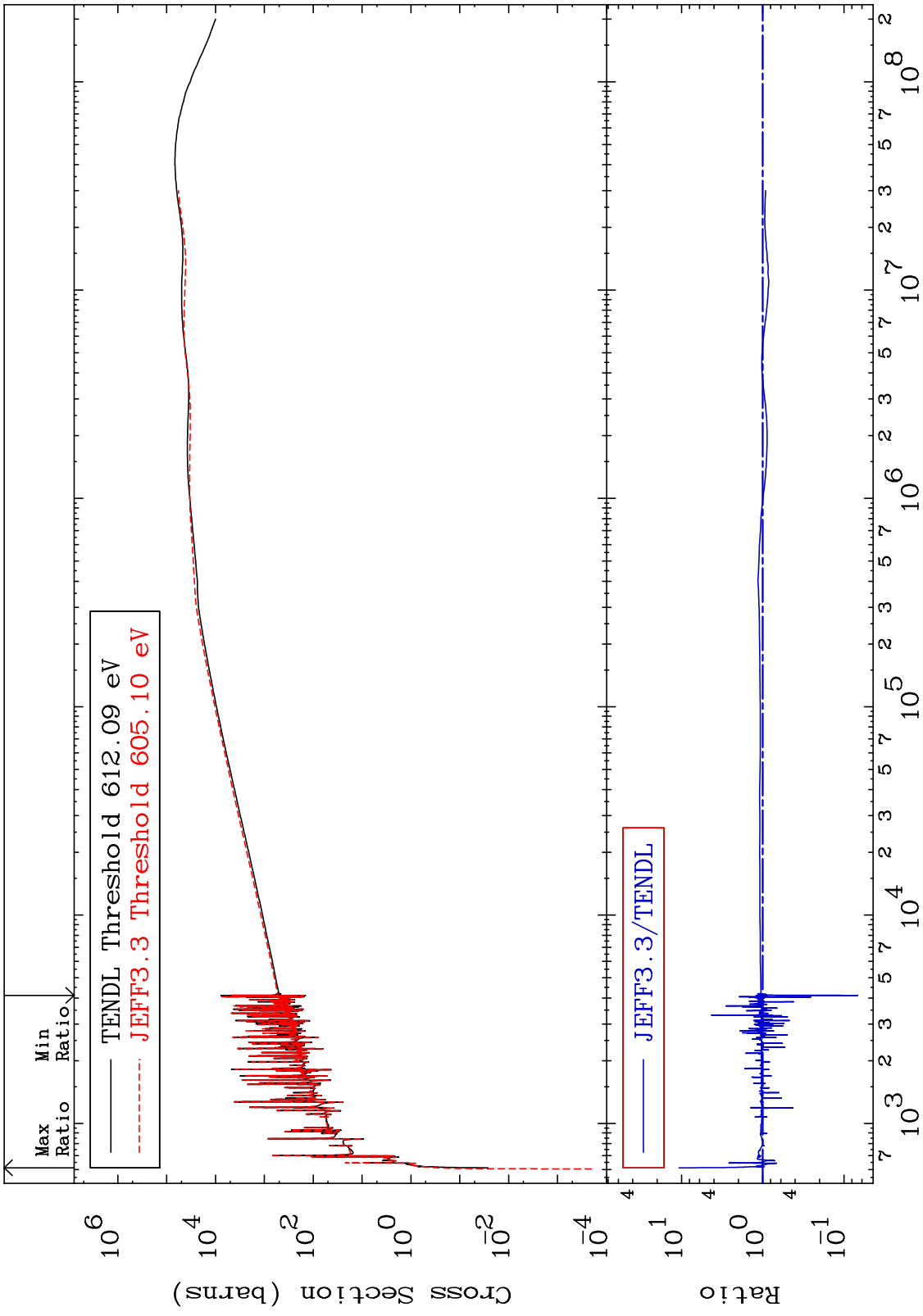


45-Rh-103

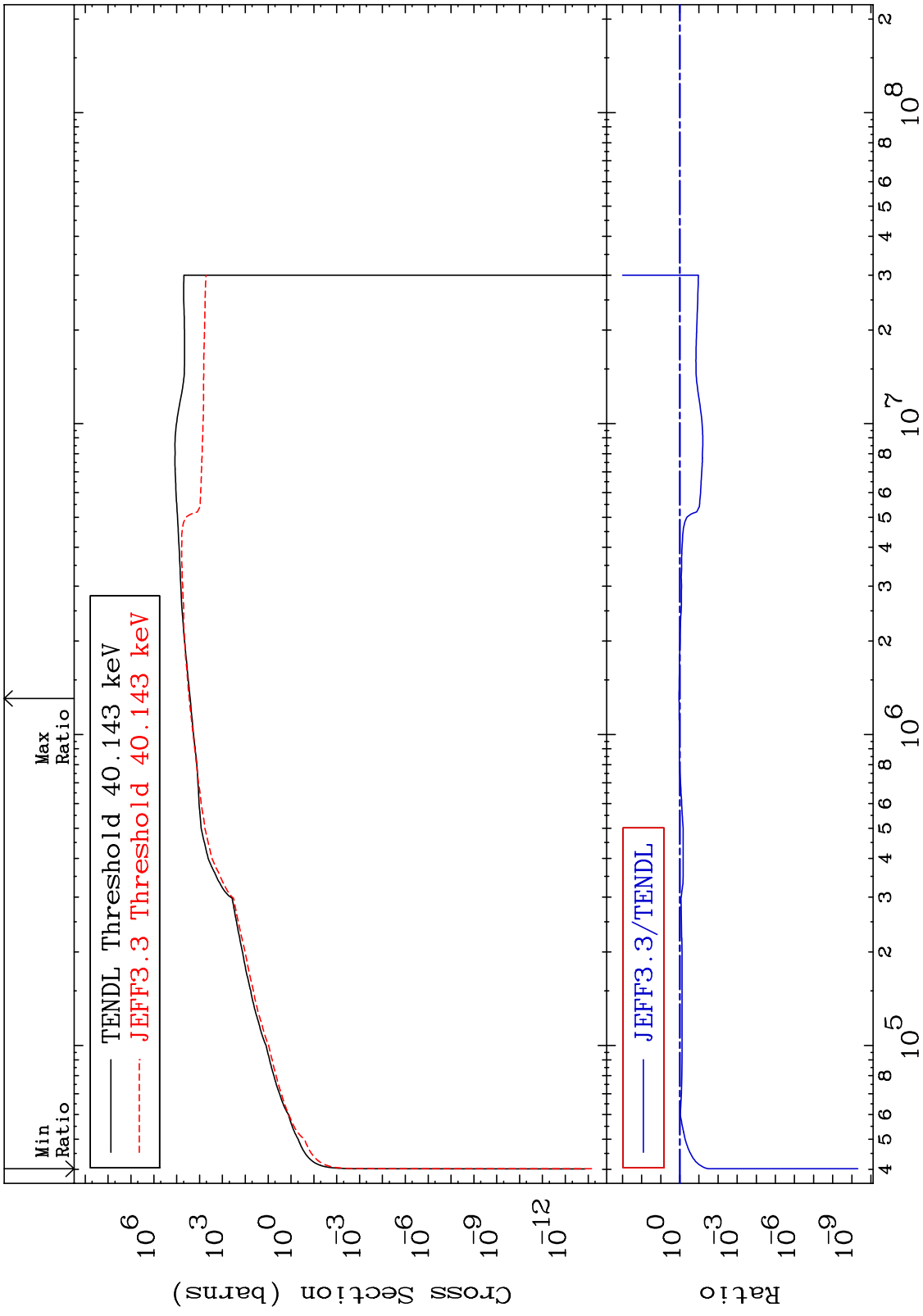
Incident Energy (eV)

61

MAT 4525 45-Rh-103  
Dpa elastic (mt2) -93.24 To 974.2 %  
Cross Section

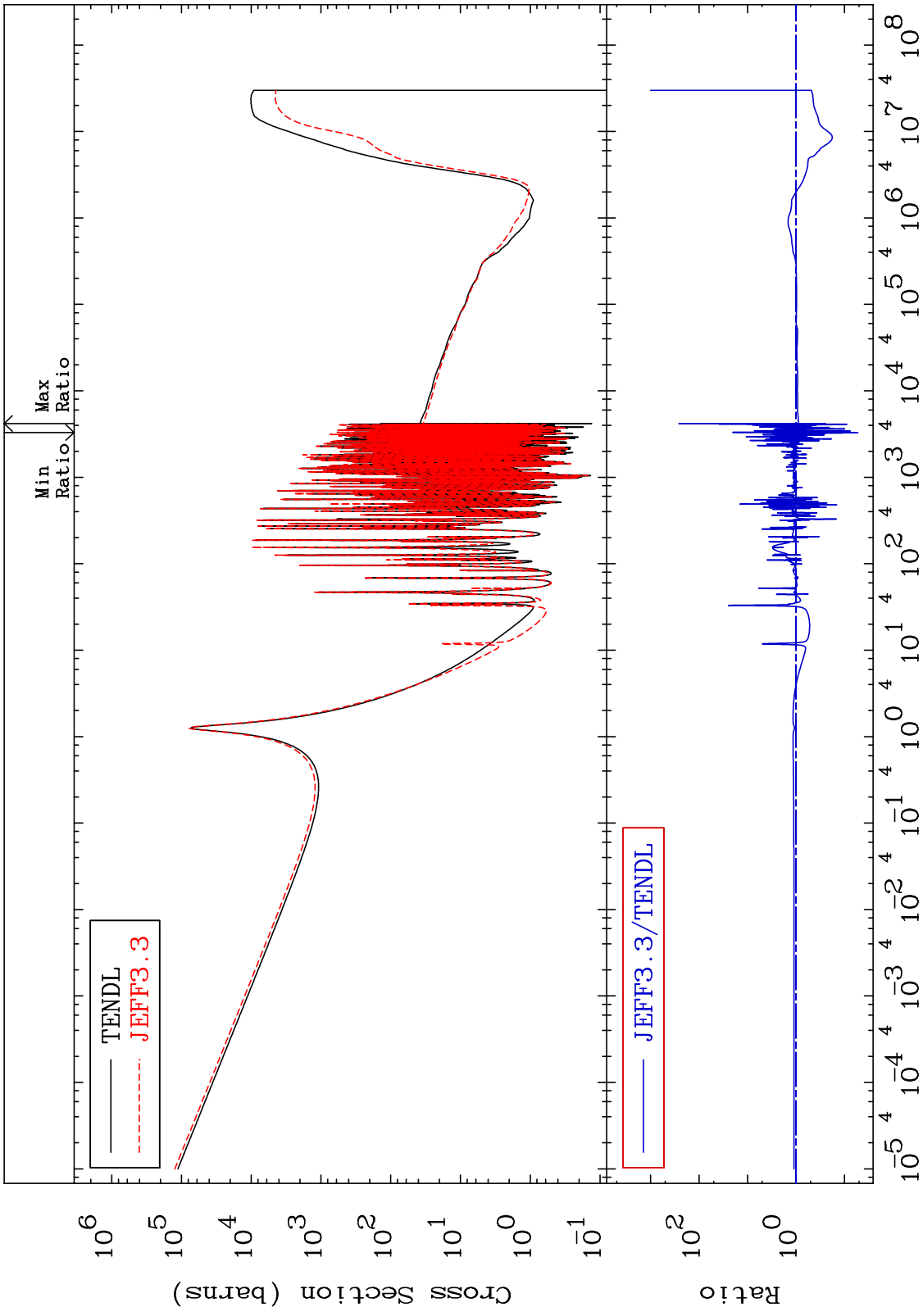


MAT 4525 Dpa inelastic (mt51-91) 45-Rh-103  
 Cross Section -100.0 To 10.22 %





MAT 4525      Dpa disappearance (mt102 -120)      45-Rh-103  
 Cross Section      -94.70 To 9999. %

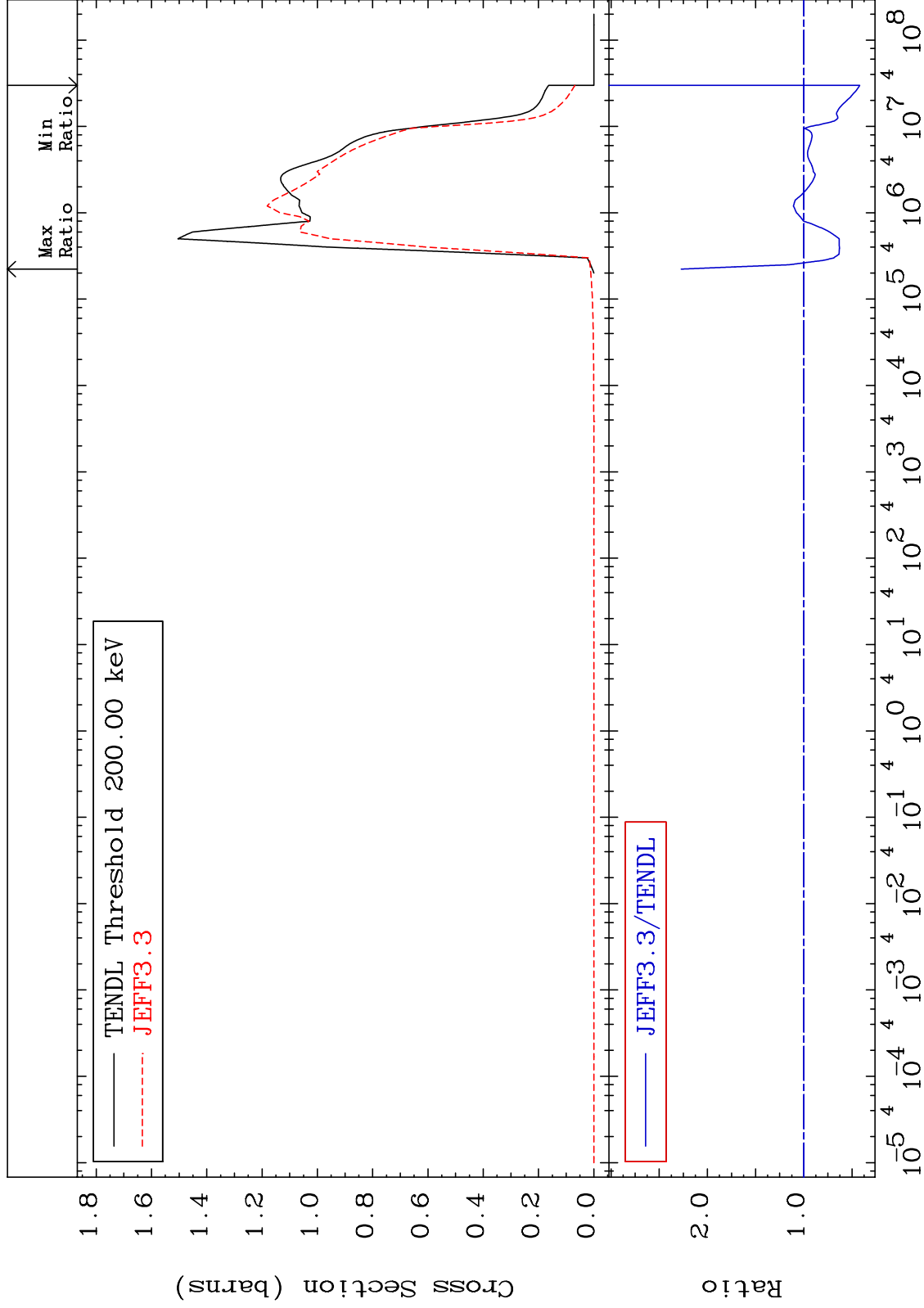


MAT 4525

Inelastic:45-Rh-103g

45-Rh-103

Radionuclide Production Cross Section -58.07 To 127.2 %

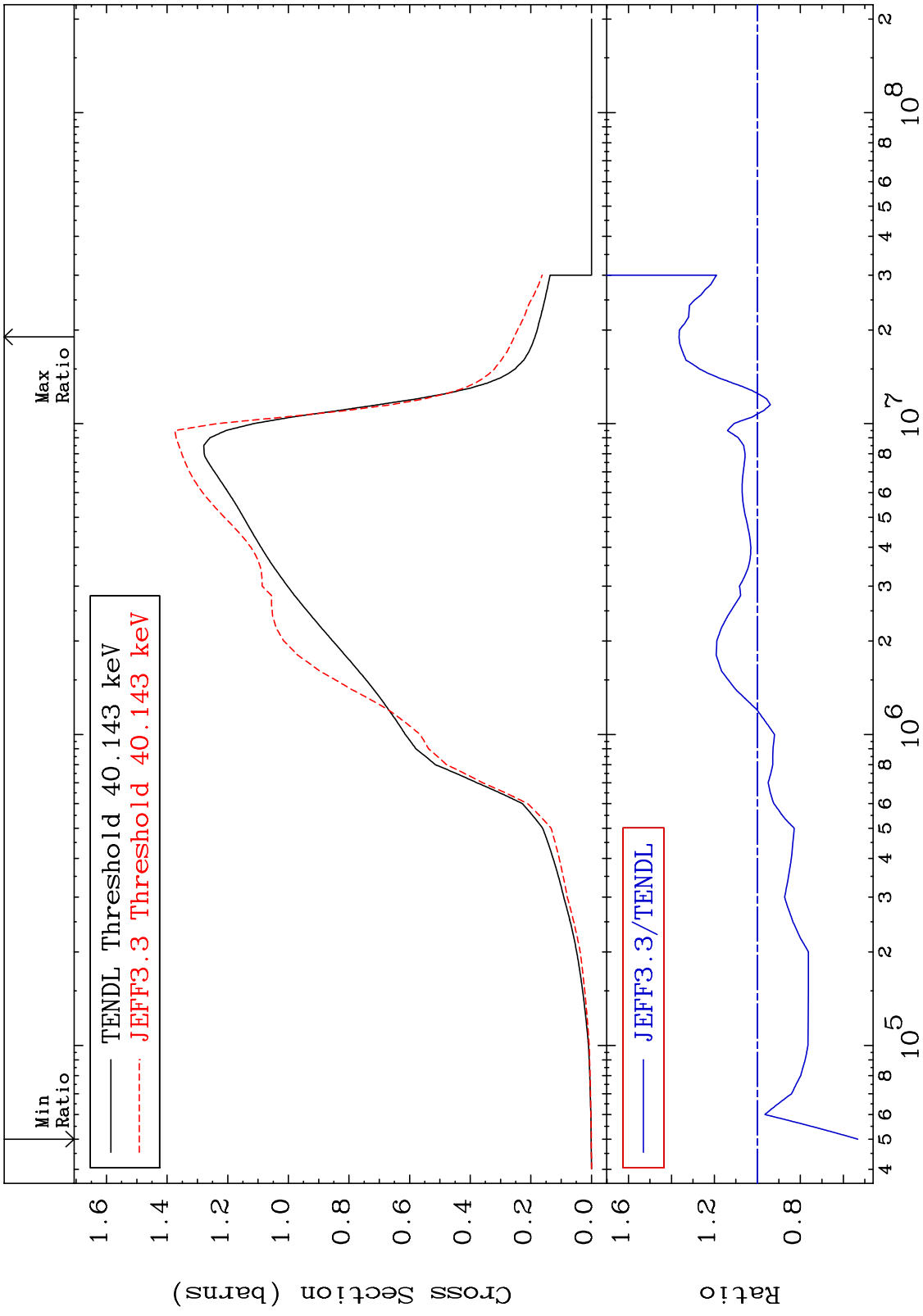


65

Incident Energy (eV)

45-Rh-103

MAT 4525 Inelastic: 45-Rh-103m1 45-Rh-103  
 Radionuclide Production Cross Section -46.75 To 36.47 %

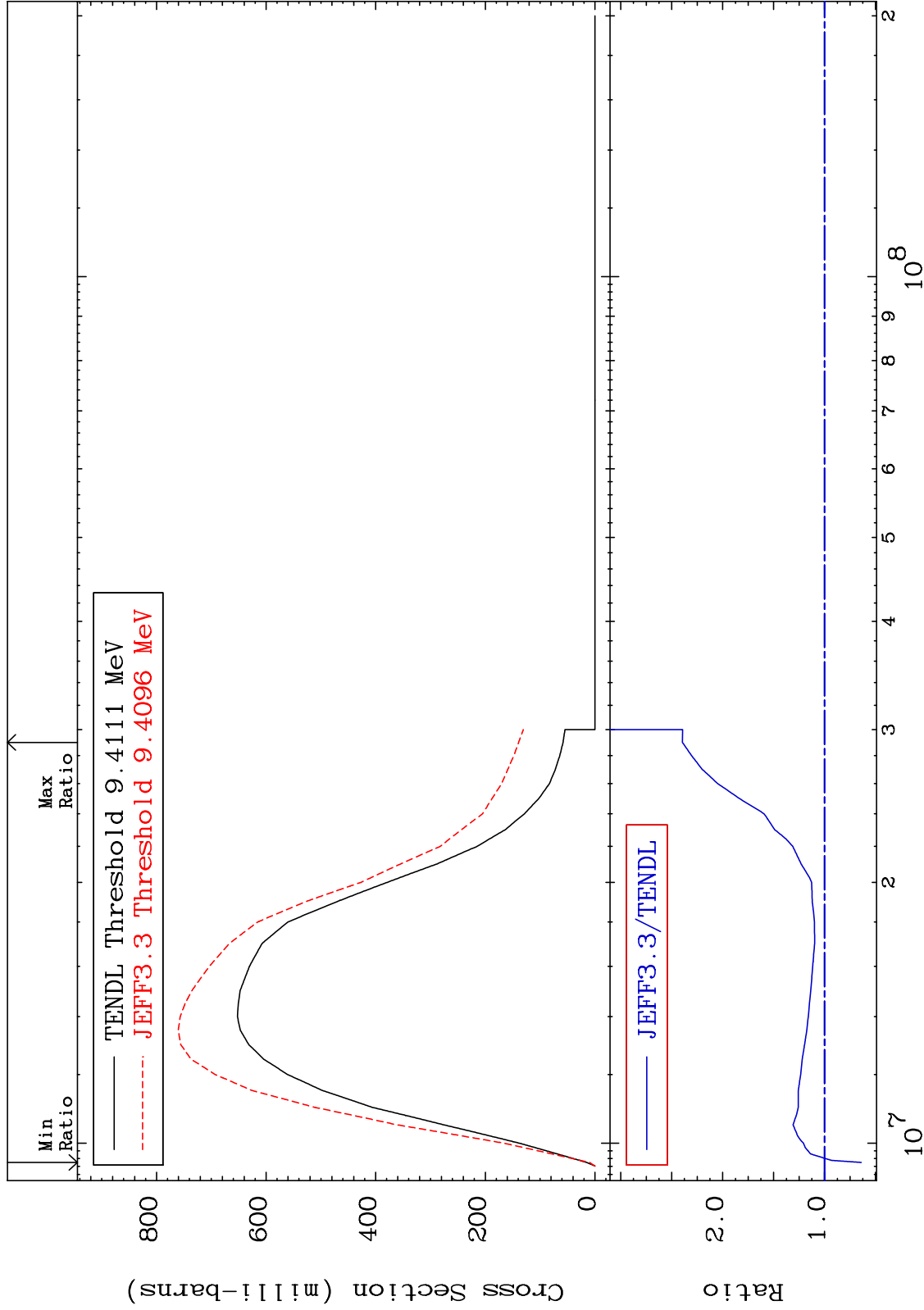


MAT 4525

(n,2n) : 45-Rh-102g

45-Rh-103

Radionuclide Production Cross Section -36.03 To 139.5 %

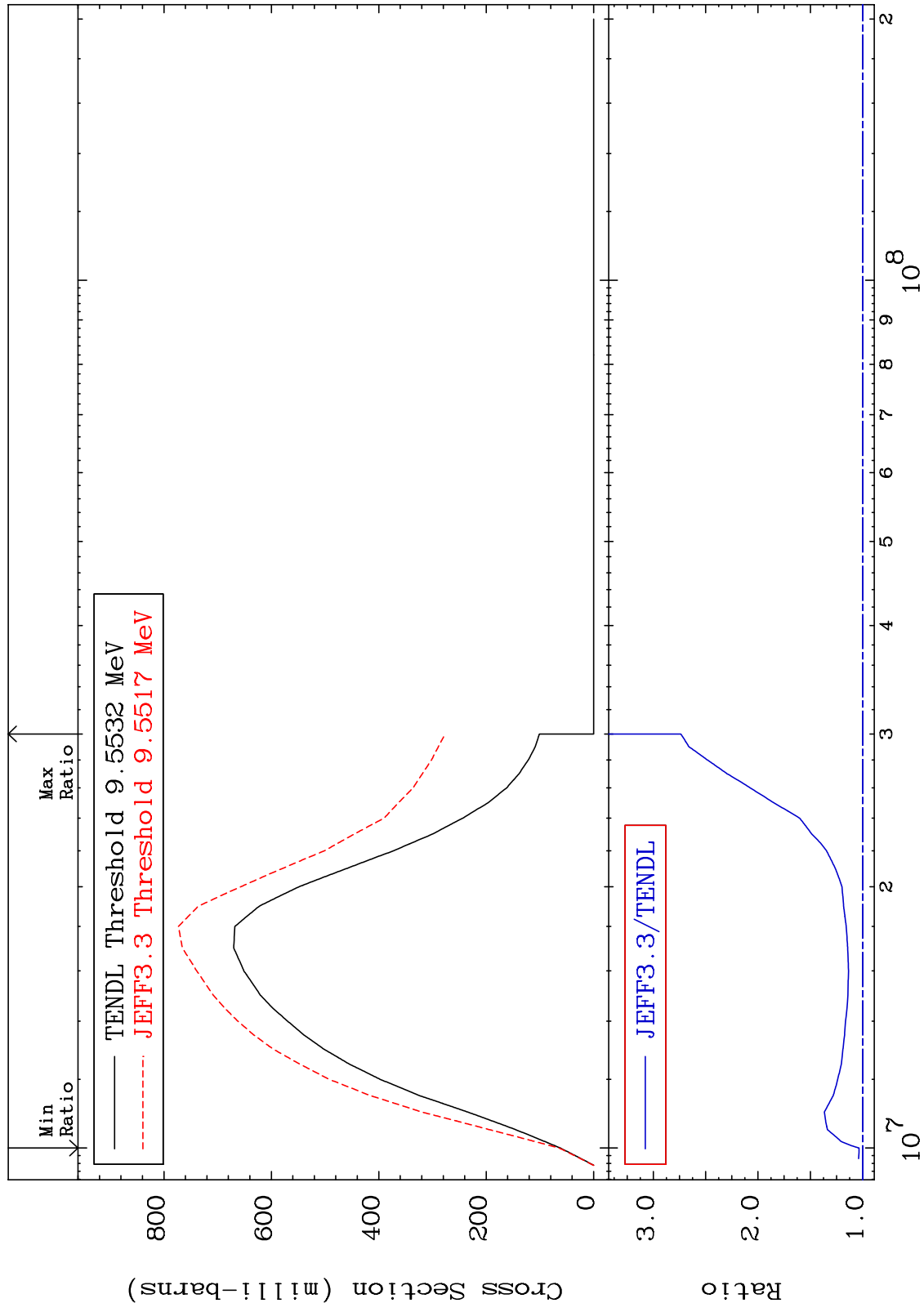


67

Incident Energy (eV)

45-Rh-103

MAT 4525 (n,2n) : 45-Rh-102m5 45-Rh-103  
Radionuclide Production Cross Section 3.403 To 173.8 %



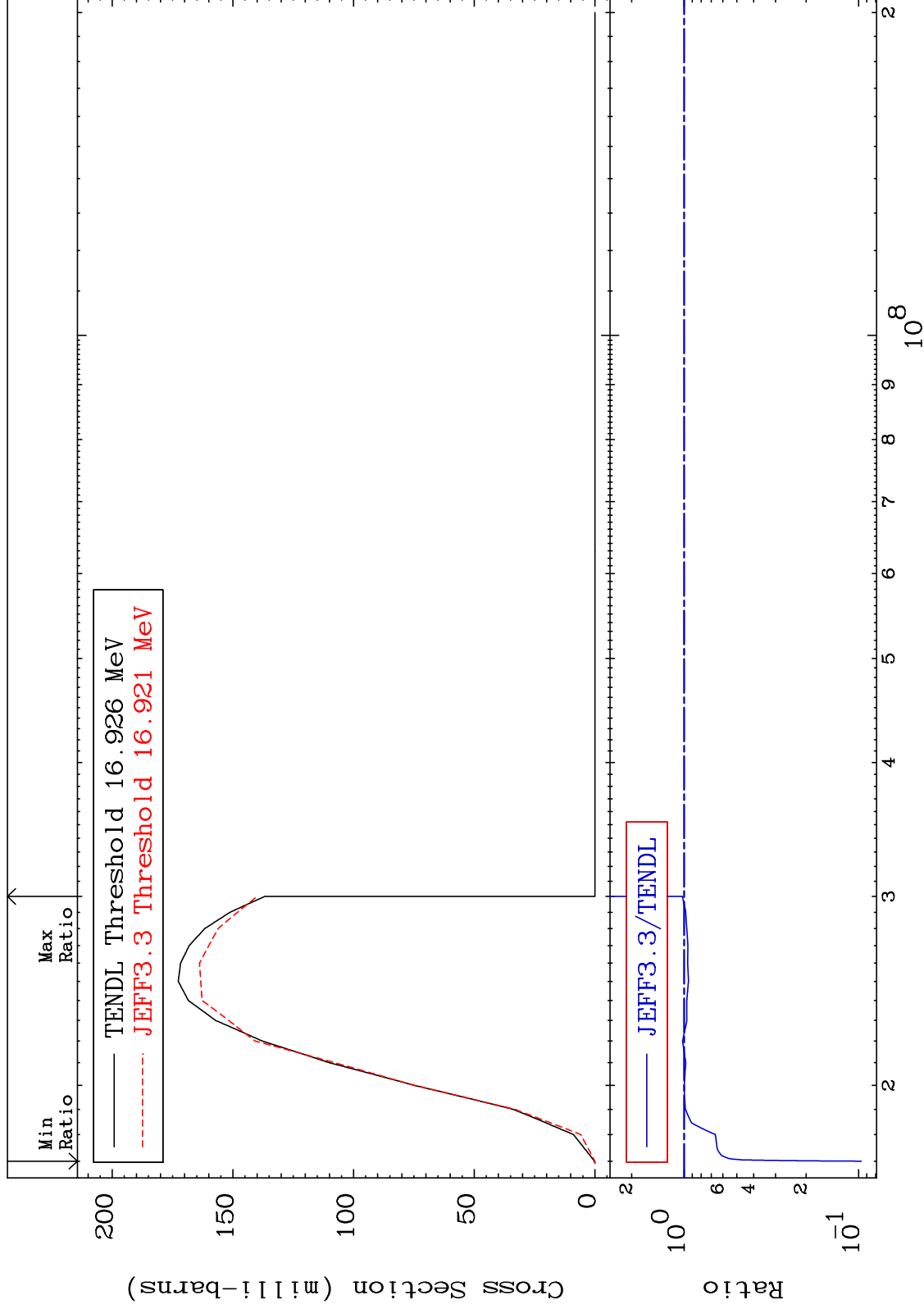
68 45-Rh-103

MAT 4525

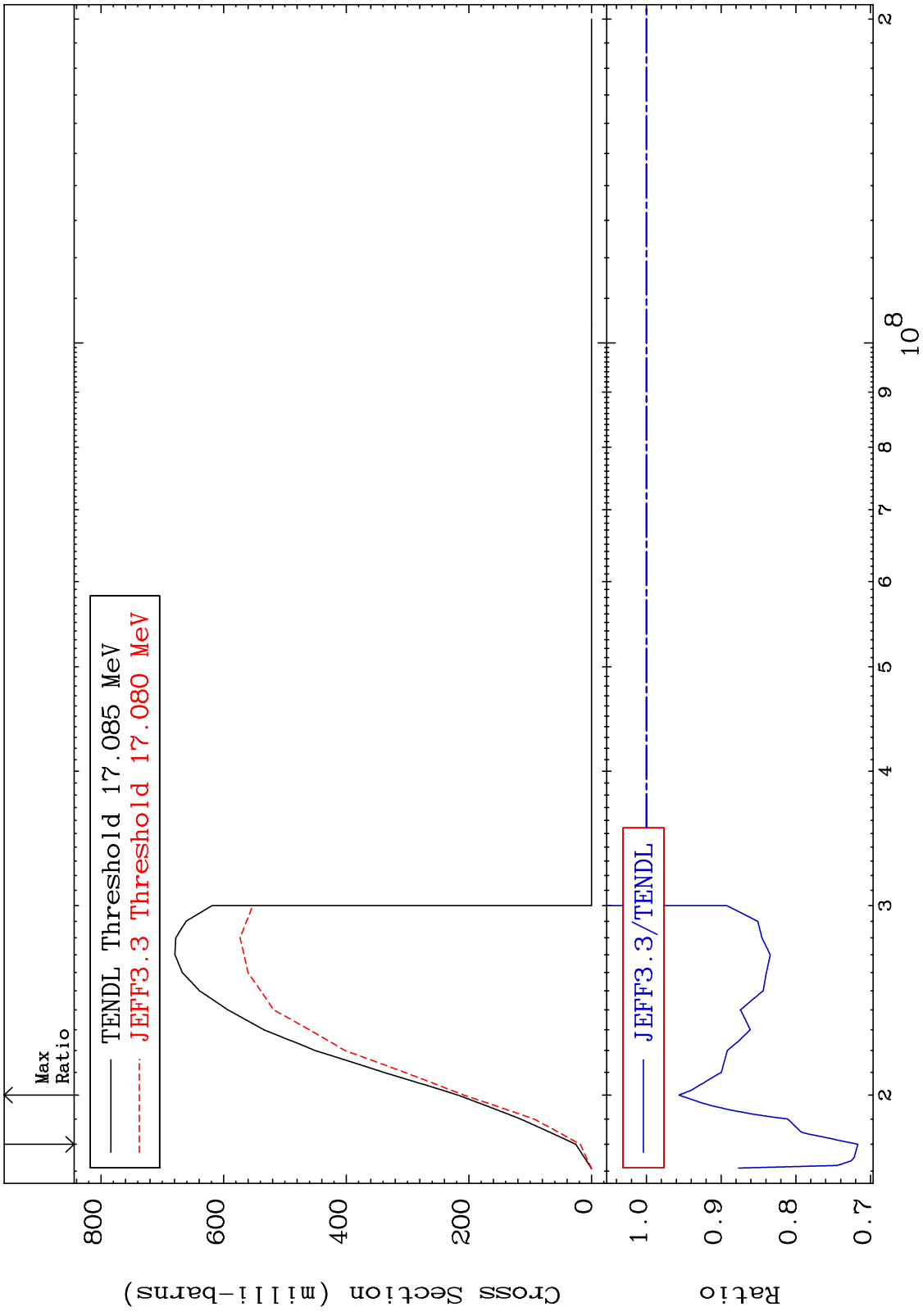
(n, 3n) : 45-Rh-101g

45-Rh-103

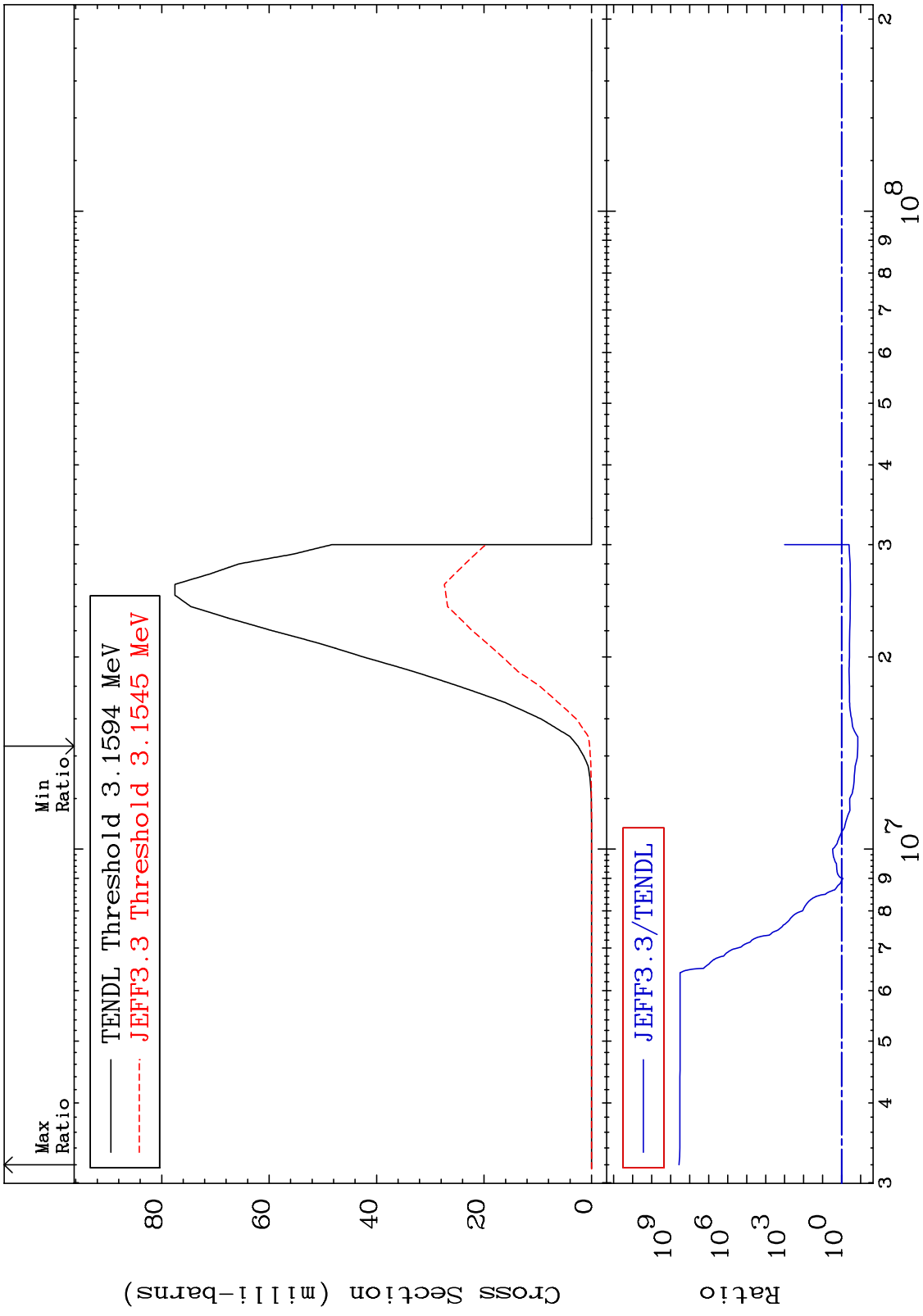
Radionuclide Production Cross Section -90.33 To 2.324 %



MAT 4525 (n, 3n) : 45-Rh-101m1 45-Rh-103  
 Radionuclide Production Cross Section -28.30 To -4.371%

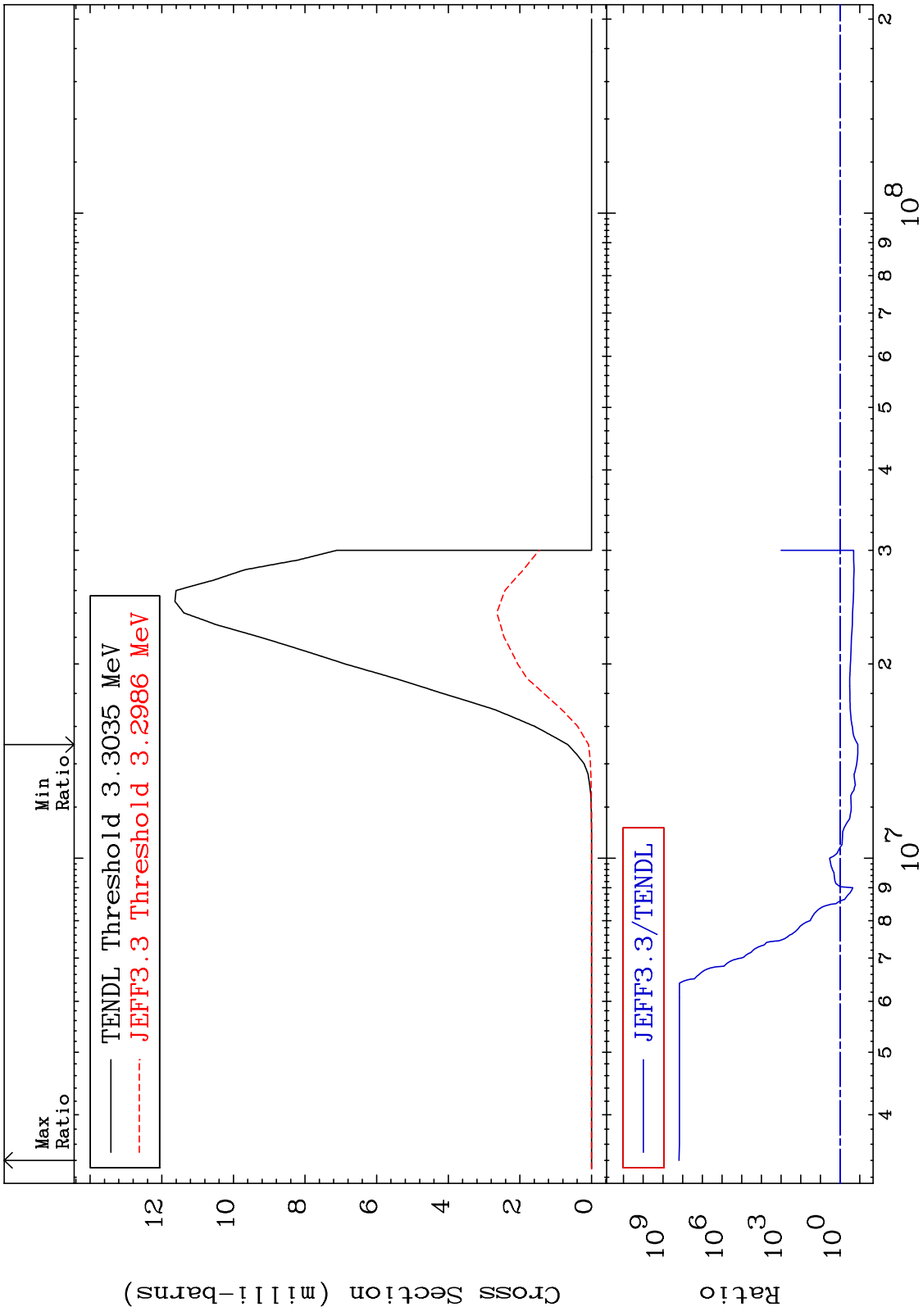


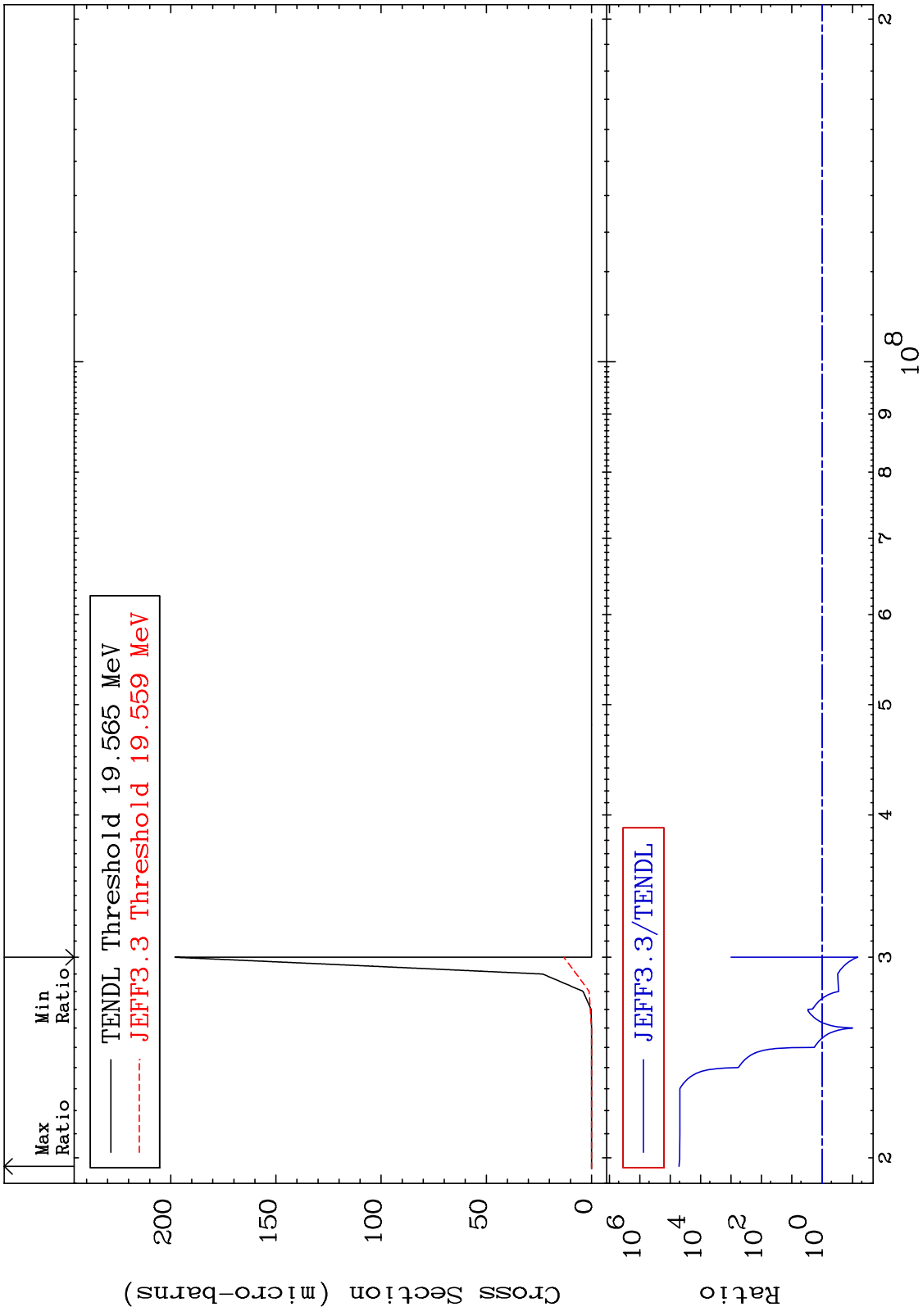
MAT 4525 (n, n')  $\alpha$ : 43-Tc-99g 45-Rh-103  
 Radionuclide Production Cross Section -85.90 To 9999. %





MAT 4525 (n, n')  $\alpha$ : 43-Tc-99m2 45-Rh-103  
 Radionuclide Production Cross Section -87.35 To 9999. %



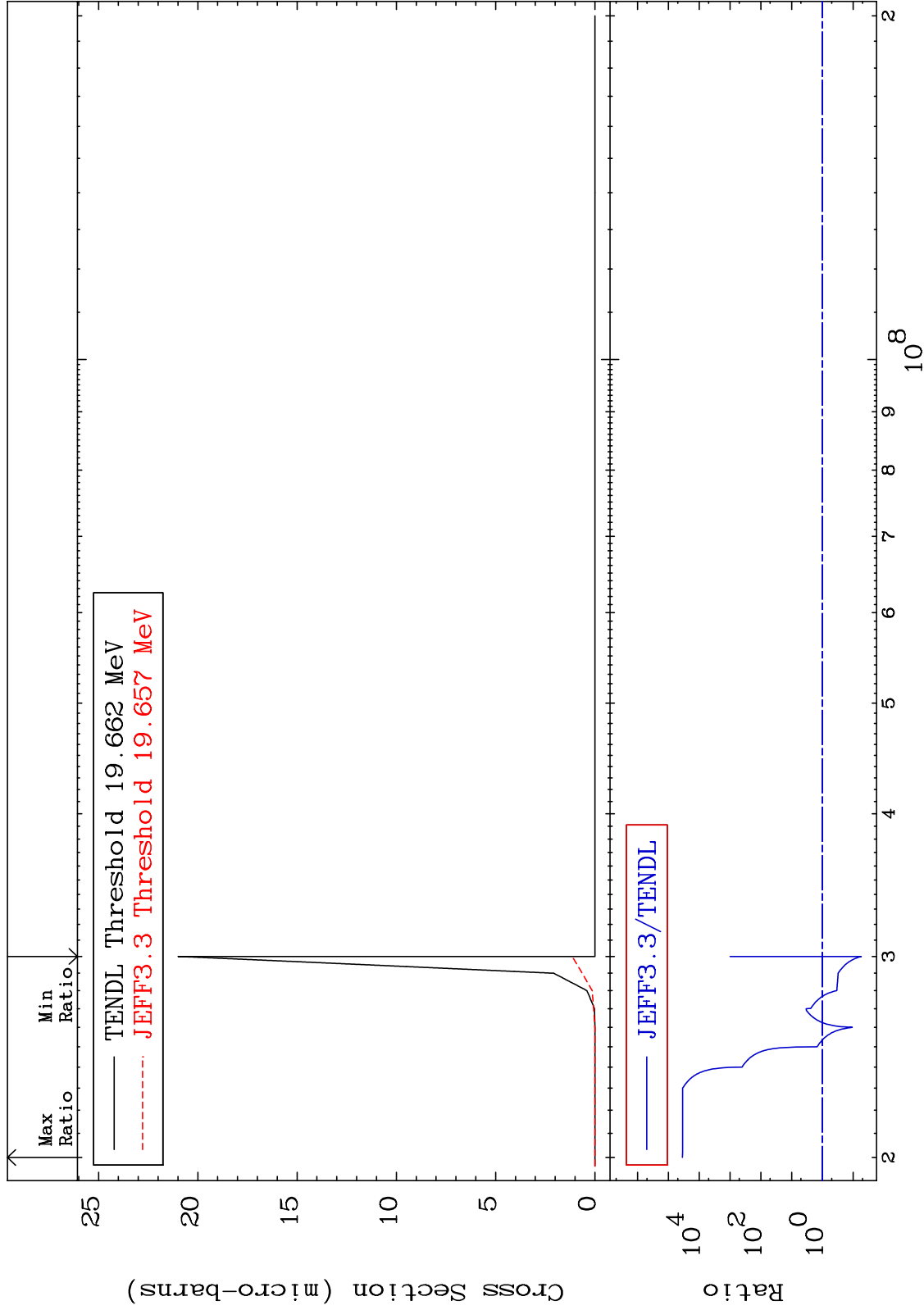


MAT 4525

(n,3n)  $\alpha$ :43-Tc-97m1

45-Rh-103

Radionuclide Production Cross Section -94.54 To 9999. %



74

Incident Energy (eV)

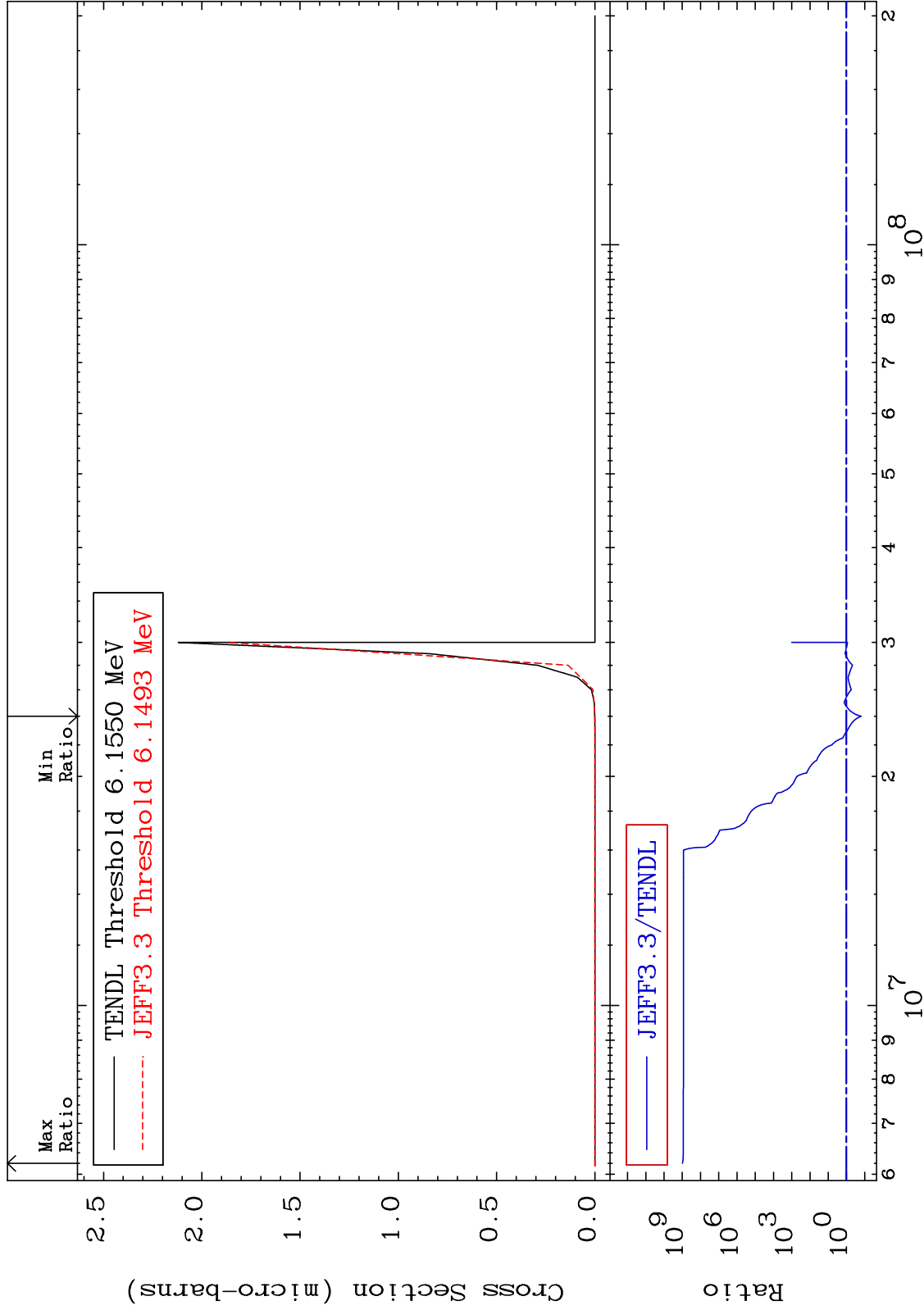
45-Rh-103

MAT 4525

(n, n') 2α:41-Nb-95g

45-Rh-103

Radionuclide Production Cross Section -84.60 To 9999. %



75

Incident Energy (eV)

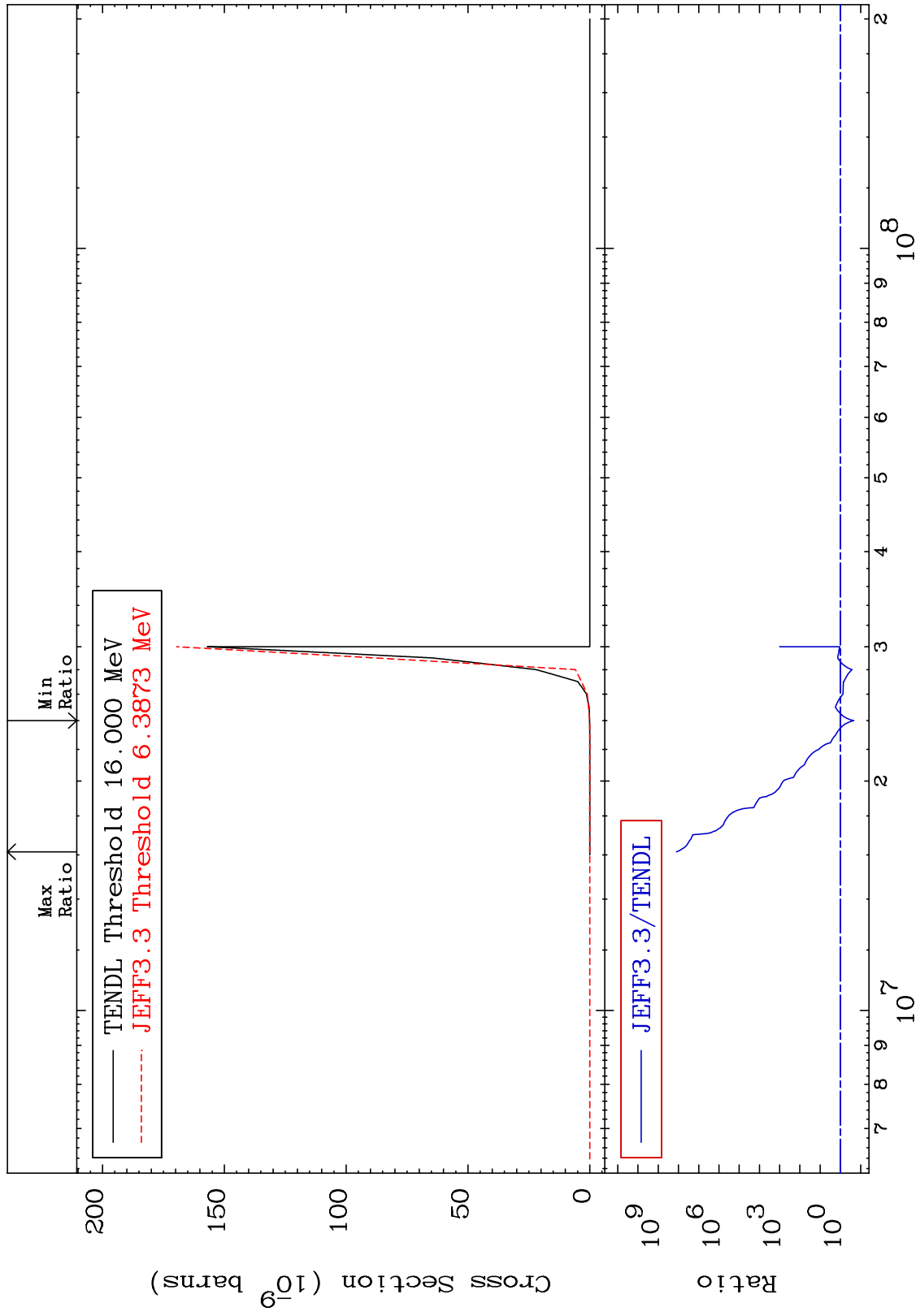
45-Rh-103

MAT 4525

(n, n') 2α:41-Nb-95m1

45-Rh-103

Radionuclide Production Cross Section -78.27 To 9999. %



76

Incident Energy (eV)

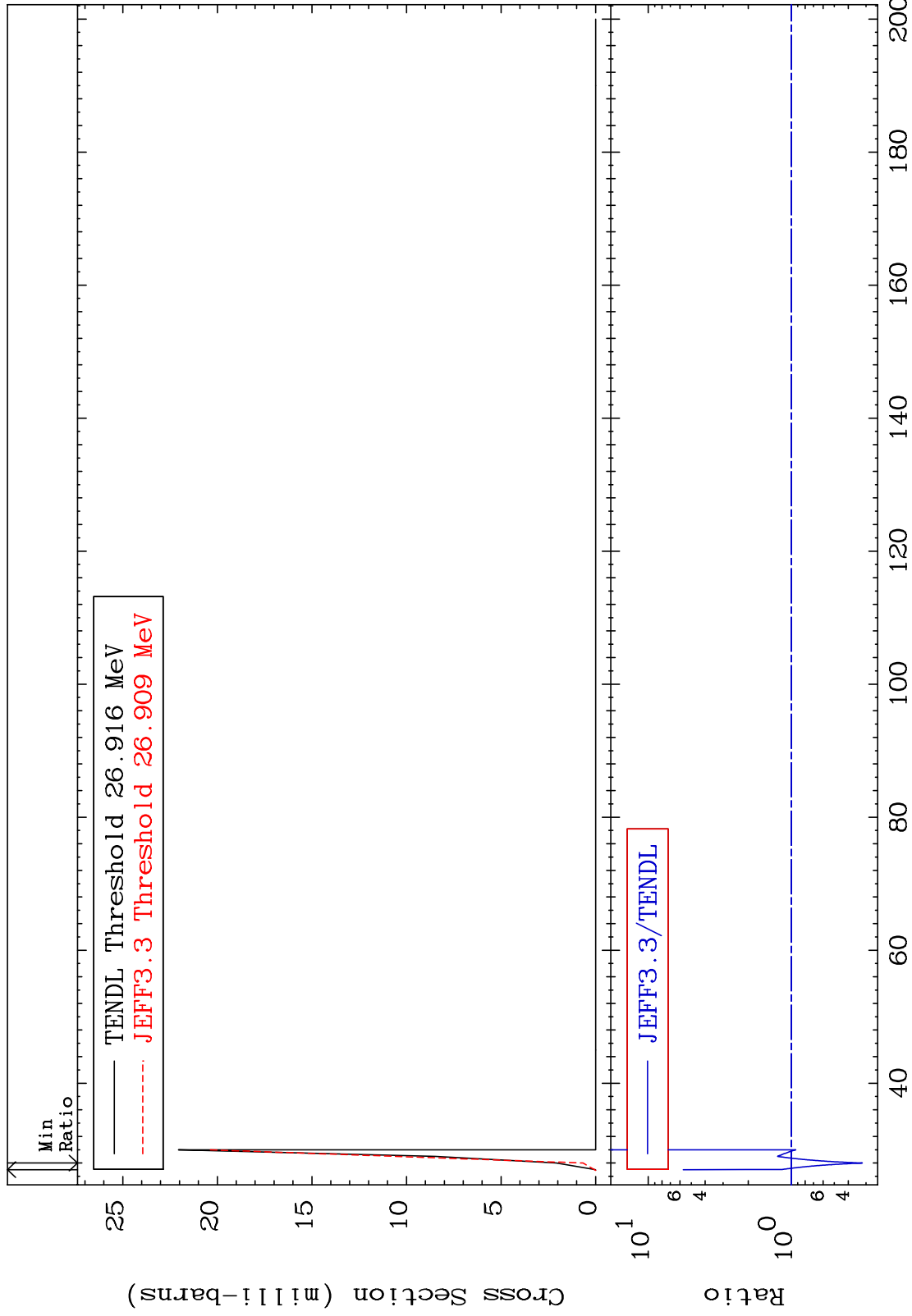
45-Rh-103

MAT 4525

(n, 4n) : 45-Rh-100g

45-Rh-103

Radionuclide Production Cross Section -68.13 To 468.3 %



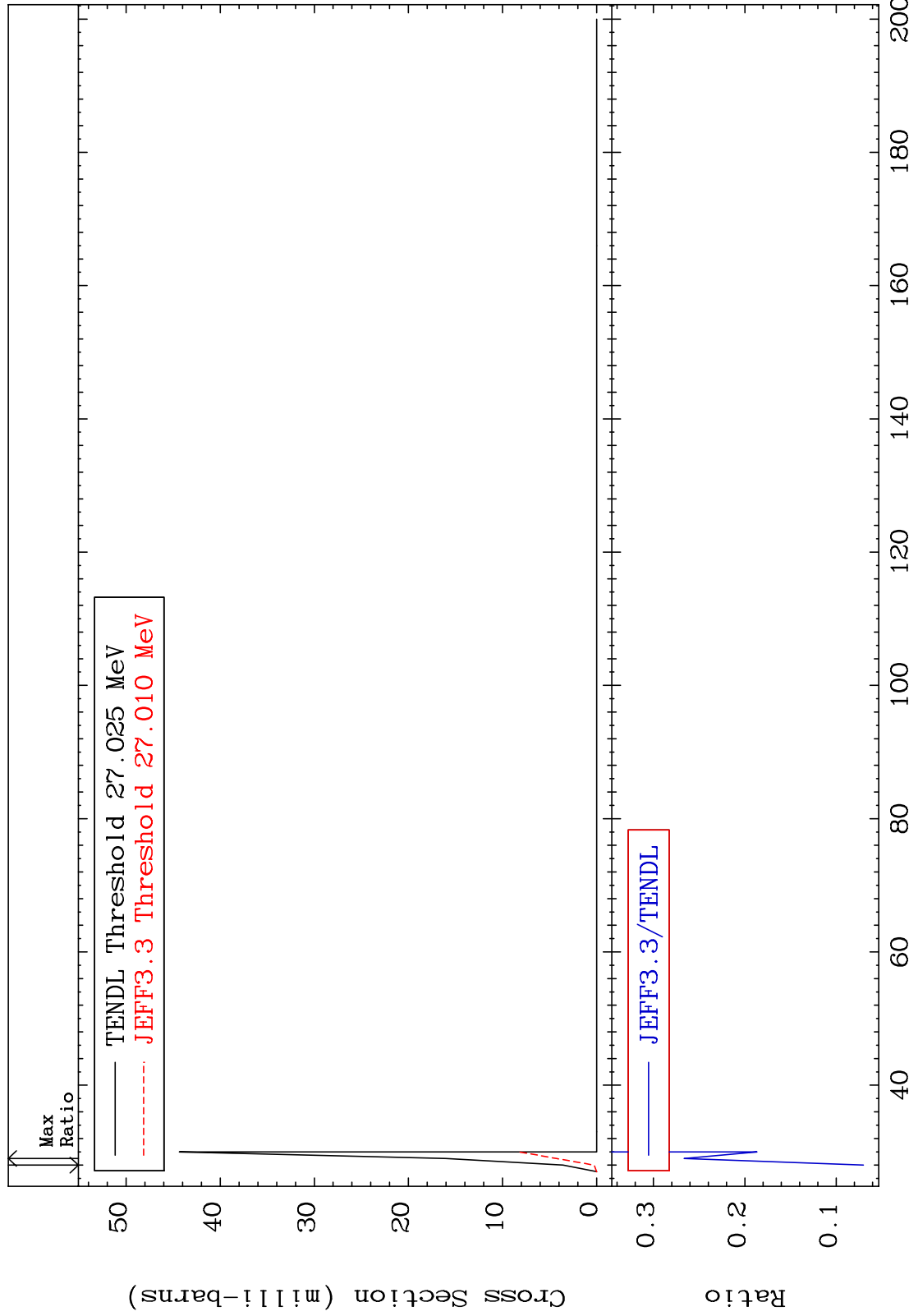
MAT 4525

(n, 4n) : 45-Rh-100m4

45-Rh-103

Radionuclide Production Cross Section

-92.99 To -73.38%



78

Incident Energy (MeV)

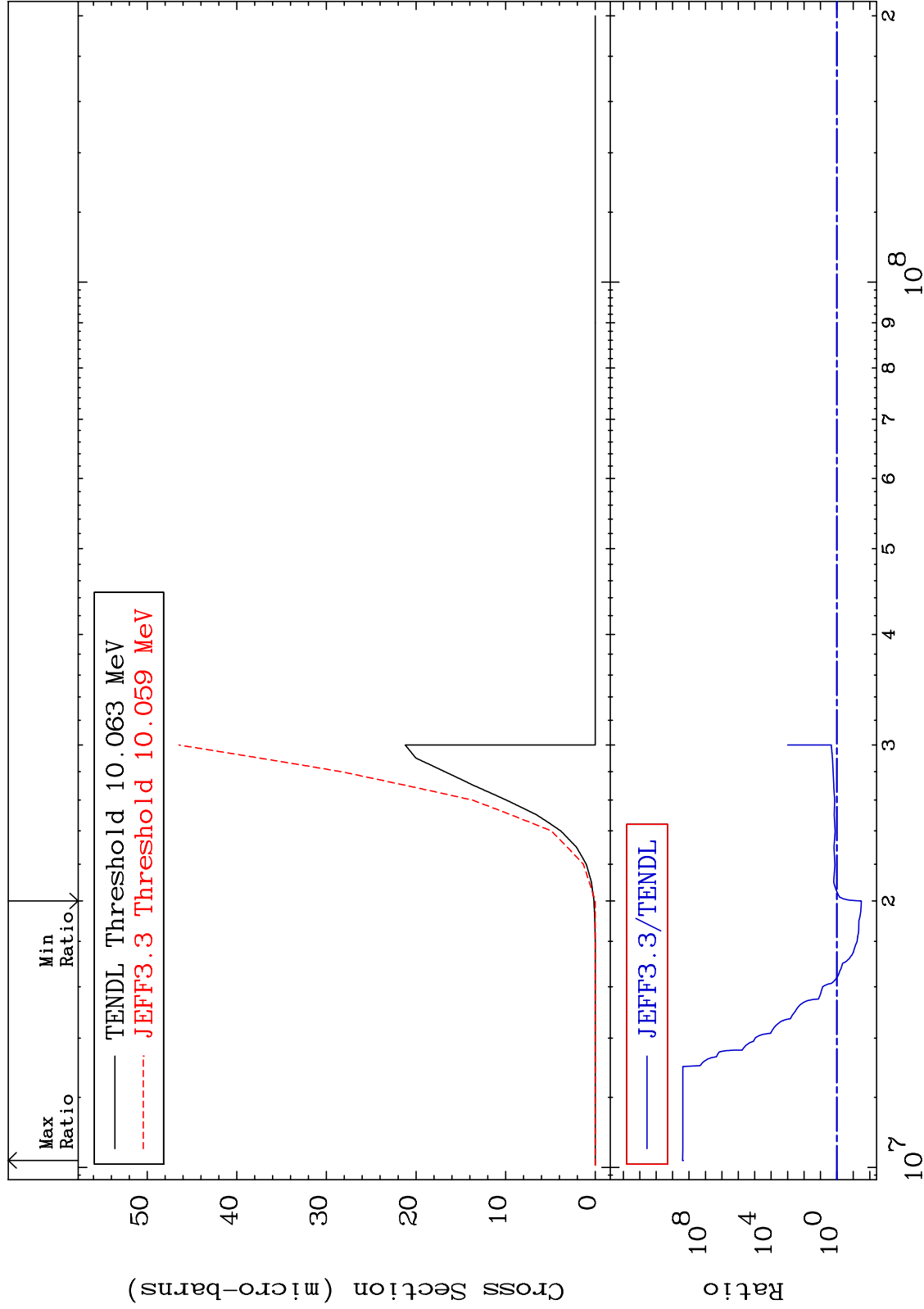
45-Rh-103

MAT 4525

(n,2p):43-Tc-102g

45-Rh-103

Radionuclide Production Cross Section -96.75 To 9999. %



Incident Energy (eV)

45-Rh-103

79

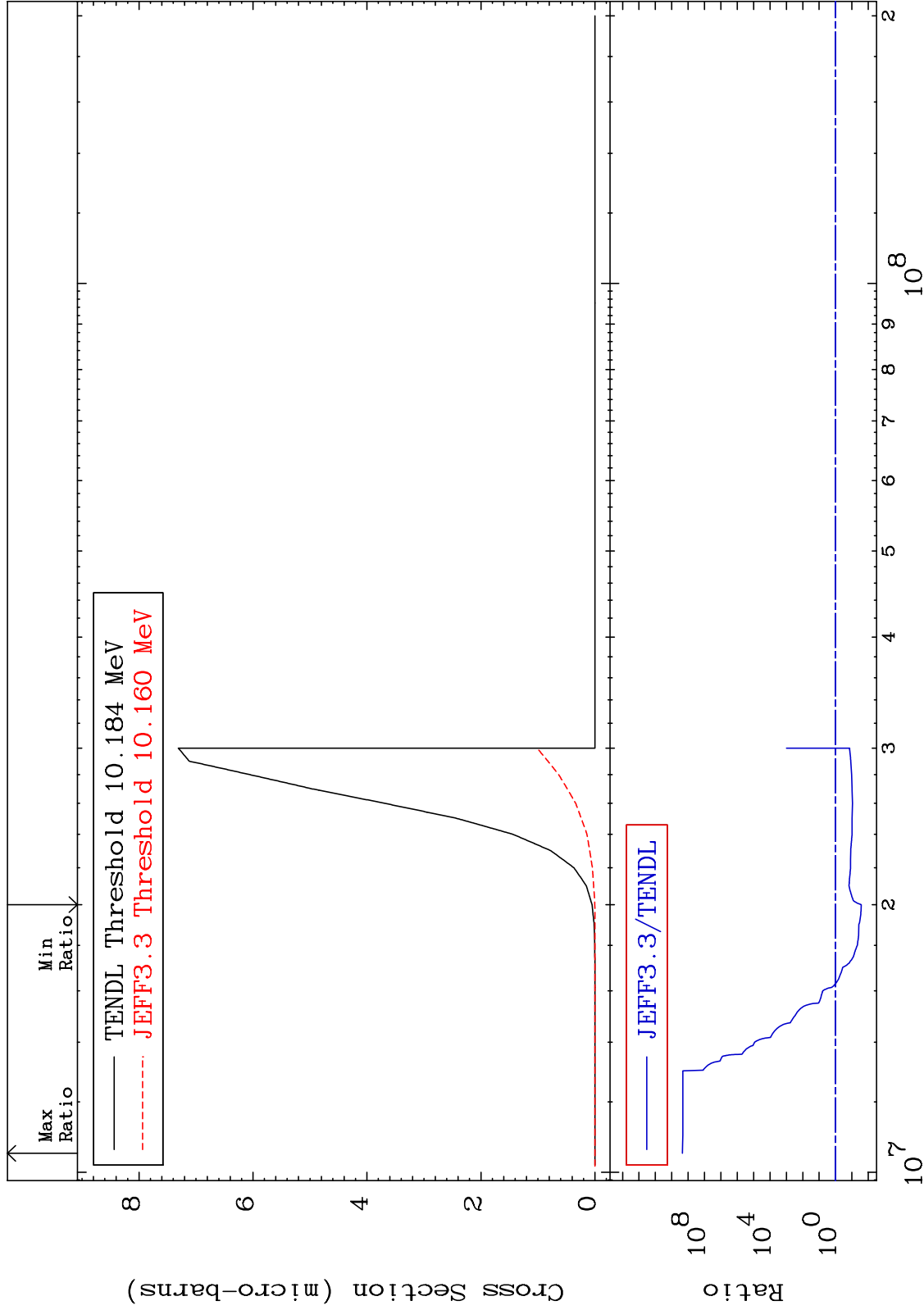


MAT 4525

(n,2p) : 43-Tc-102m3

45-Rh-103

Radionuclide Production Cross Section -97.33 To 9999. %



45-Rh-103