

Program Complot  
(Version 2018-1)

by

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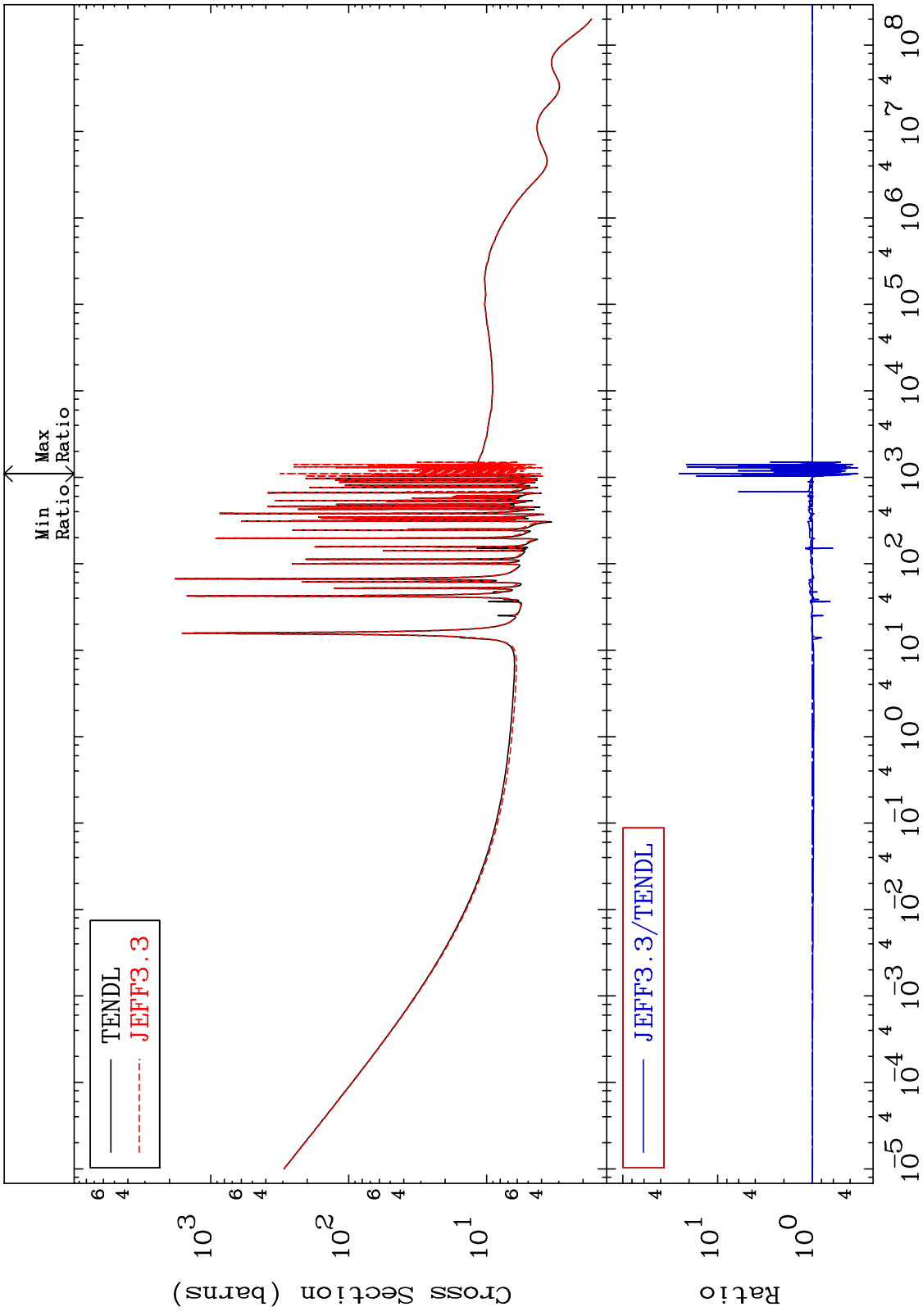
U.S.A.

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

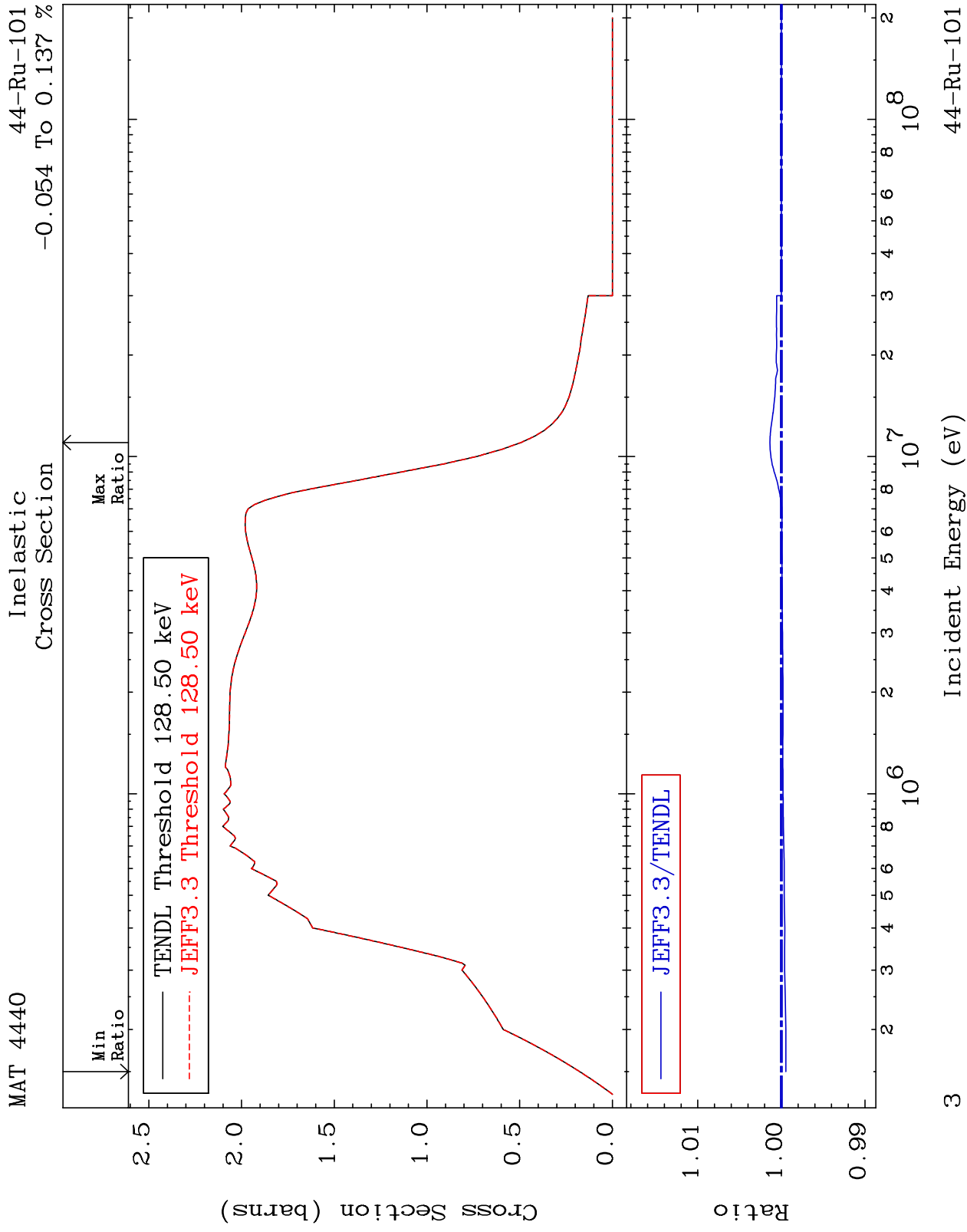
Press Mouse Button to Start

MAT 4440 44-Ru-101  
Total Cross Section -66.90 To 2453. %

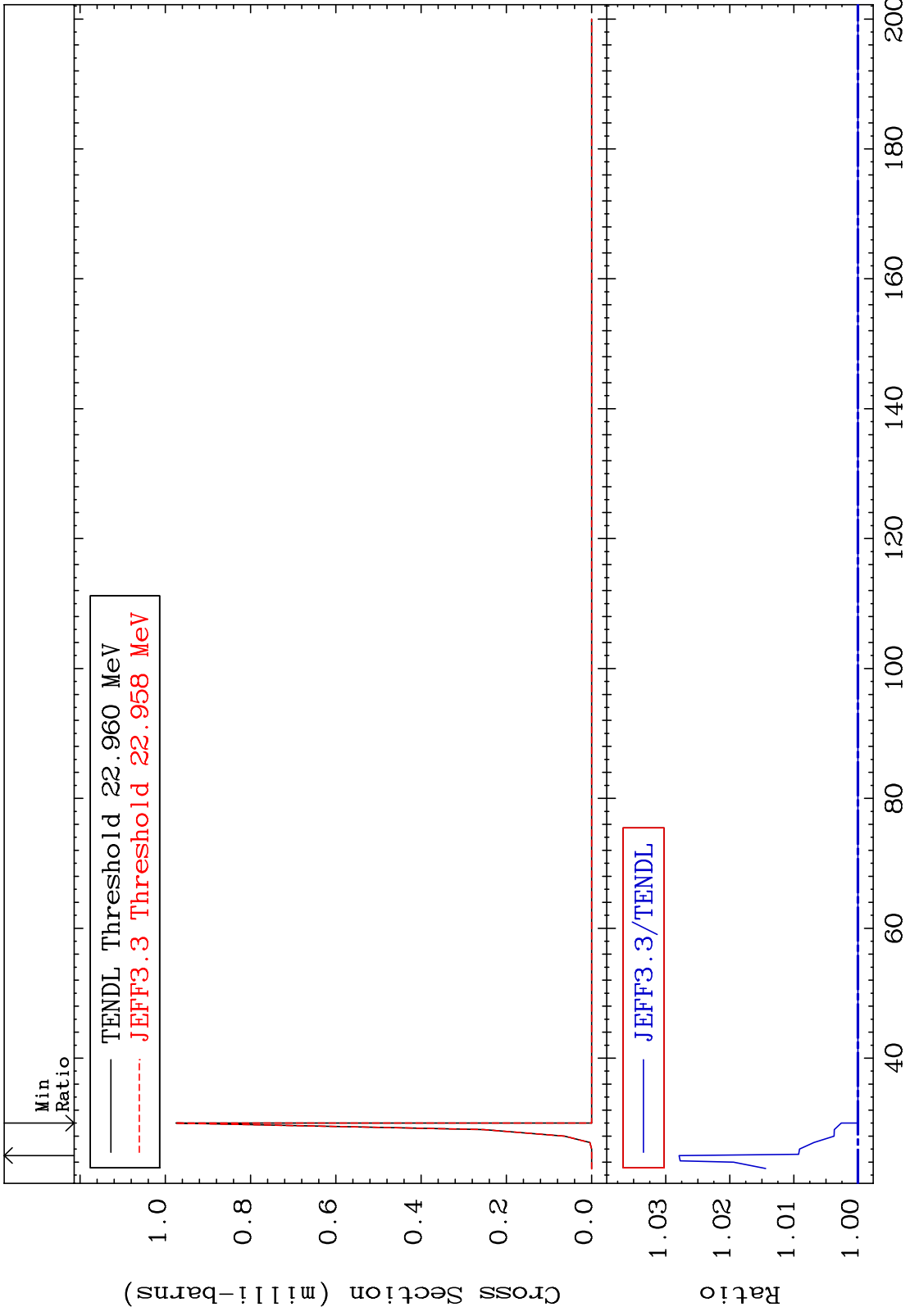


44-Ru-101

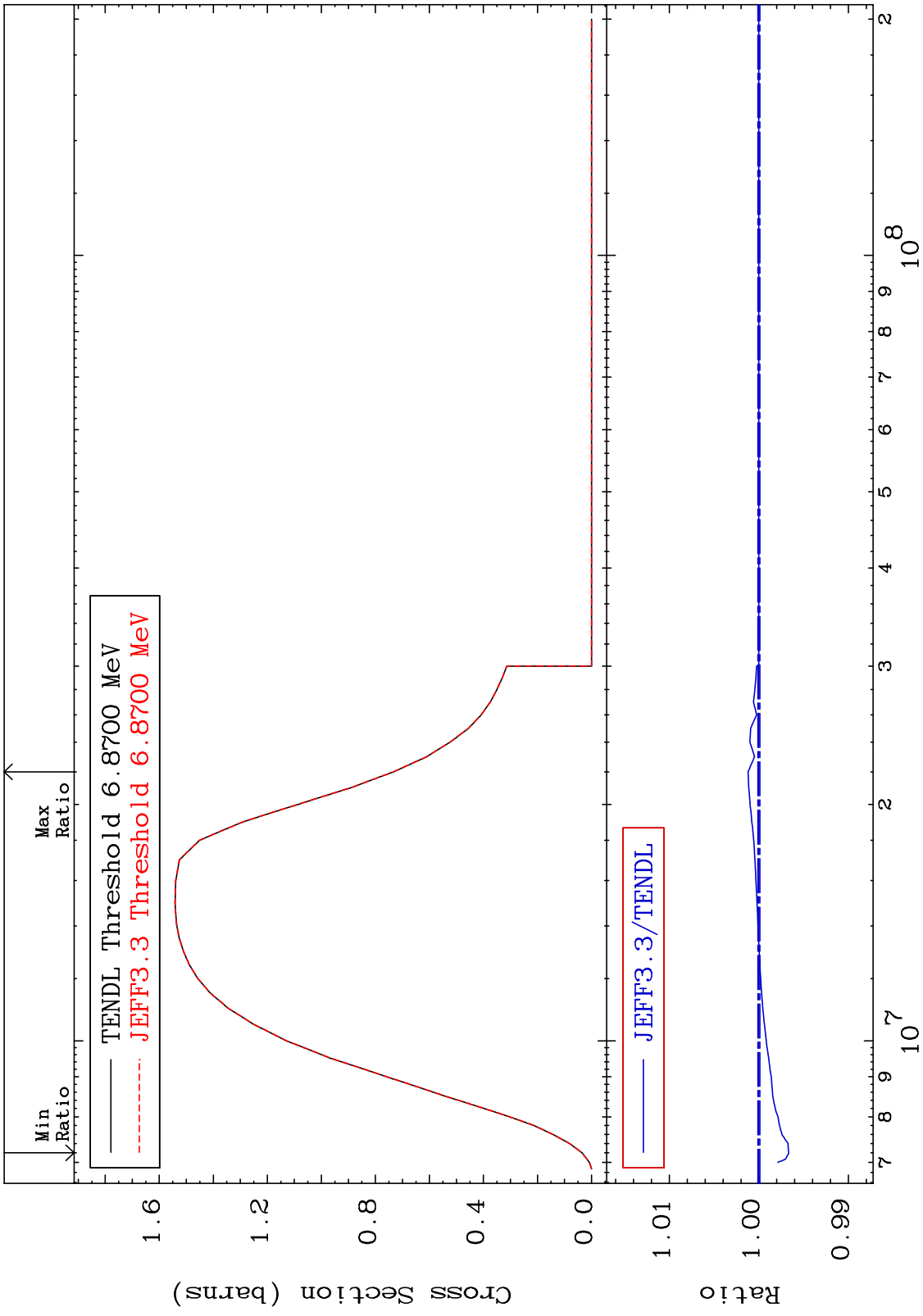




MAT 4440 (n,2n) d 44-Ru-101  
Cross Section 0.000 To 2.791 %

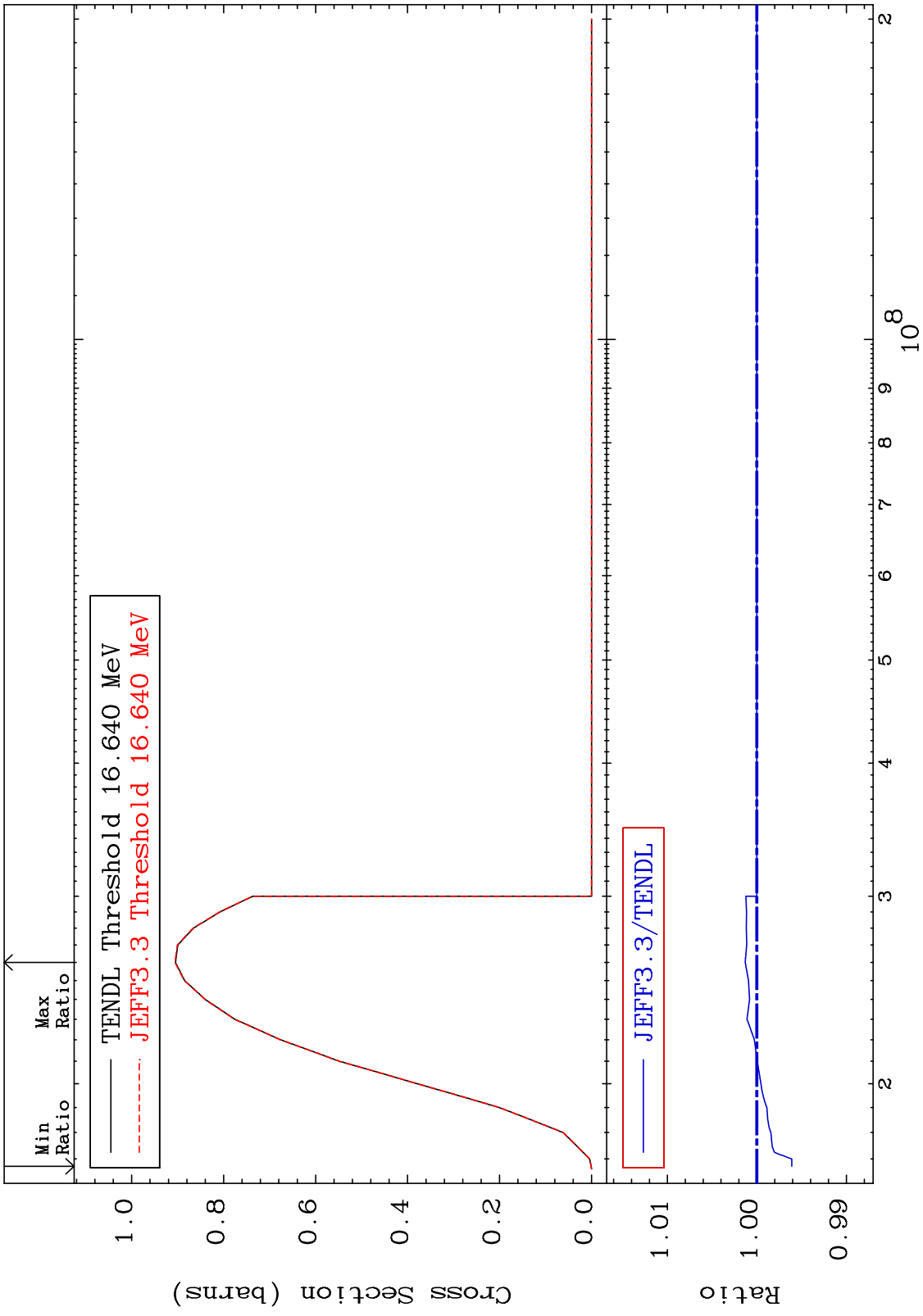


MAT 4440 (n,2n) Cross Section 44-Ru-101 -0.334 To 0.120 %

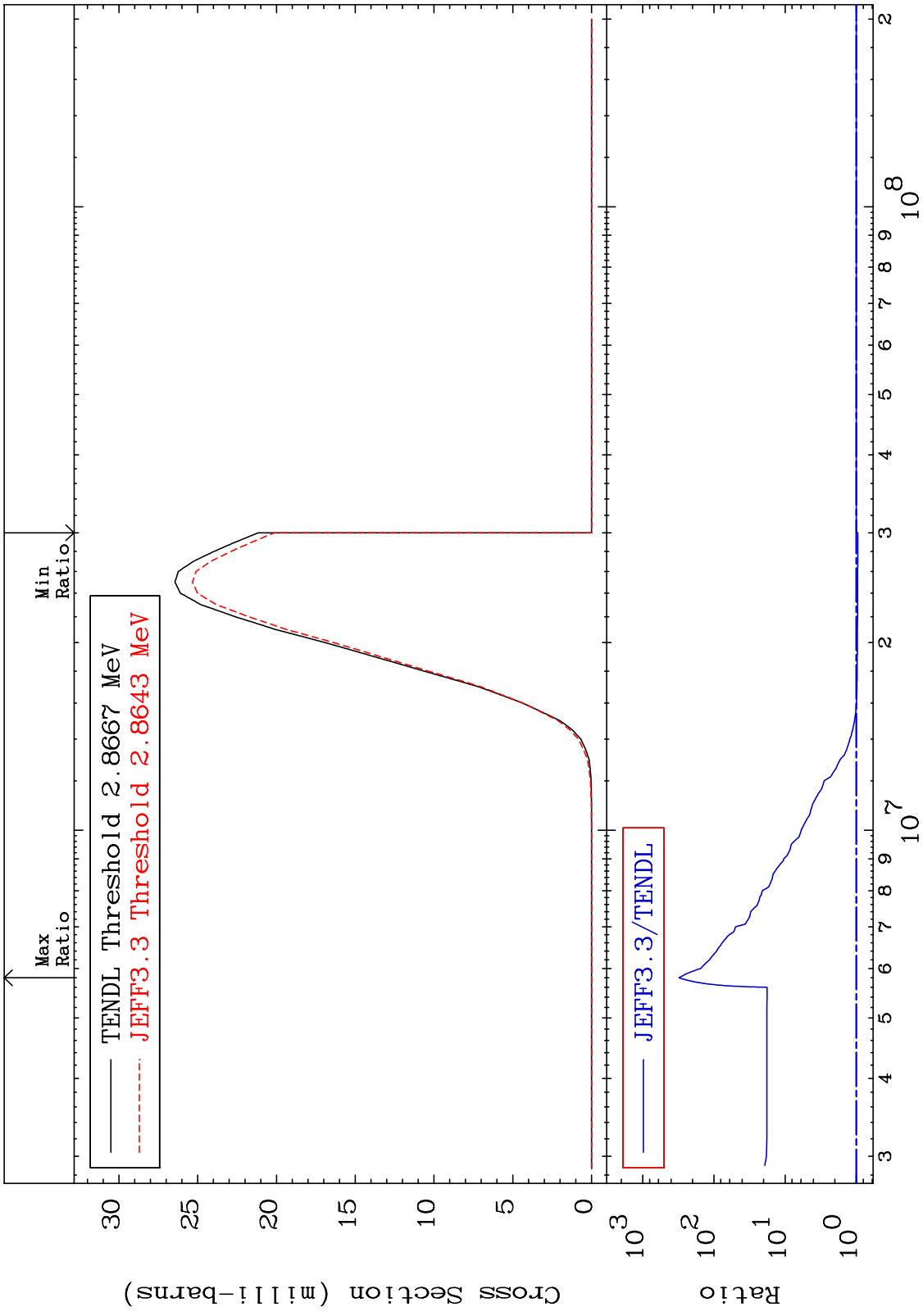


5 44-Ru-101

MAT 4440 44-Ru-101  
(n,3n)  
Cross Section  
-0.389 To 0.130 %

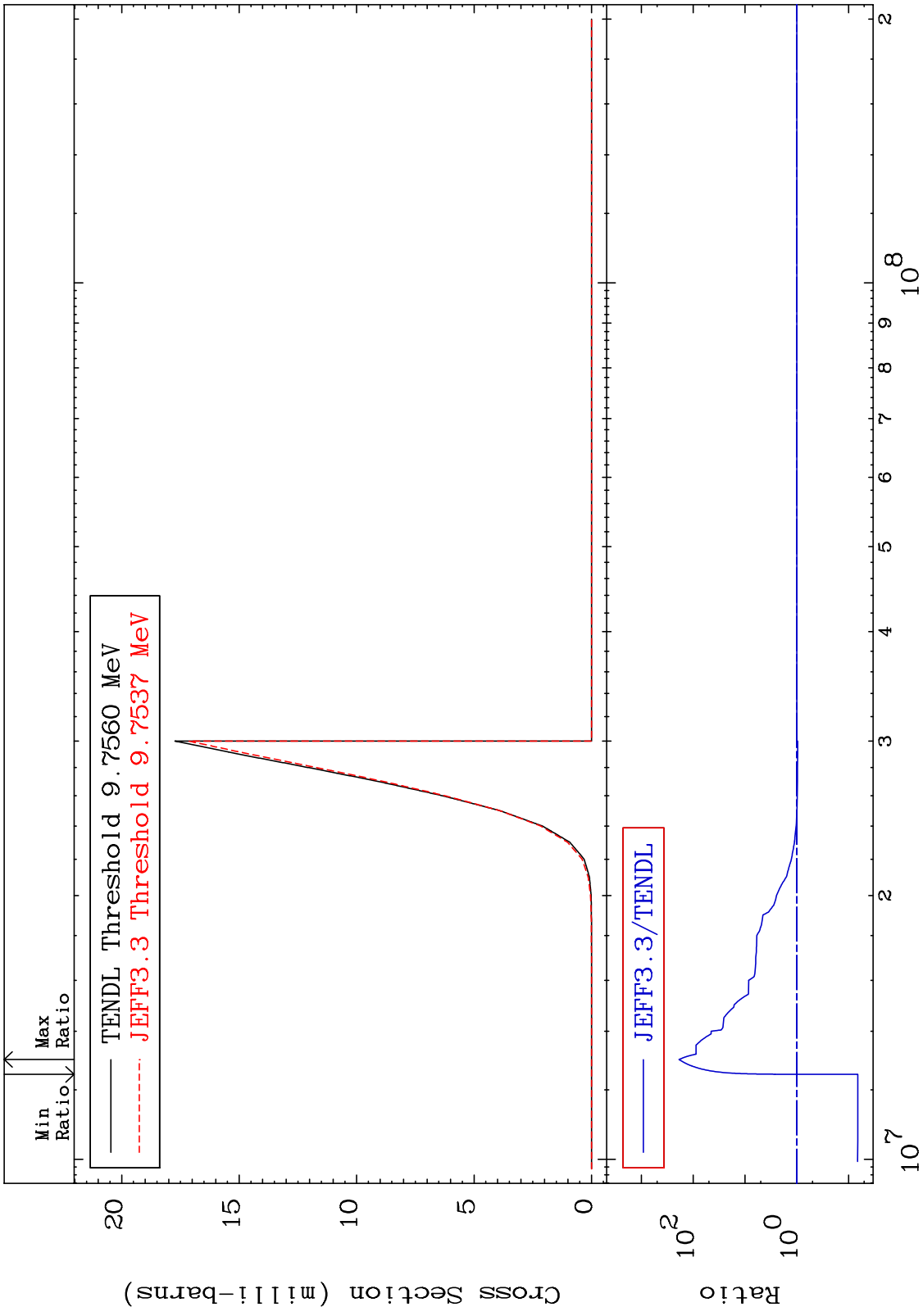


MAT 4440  $(n, n') \alpha$  44-Ru-101  
 Cross Section -4.804 To 9999. %



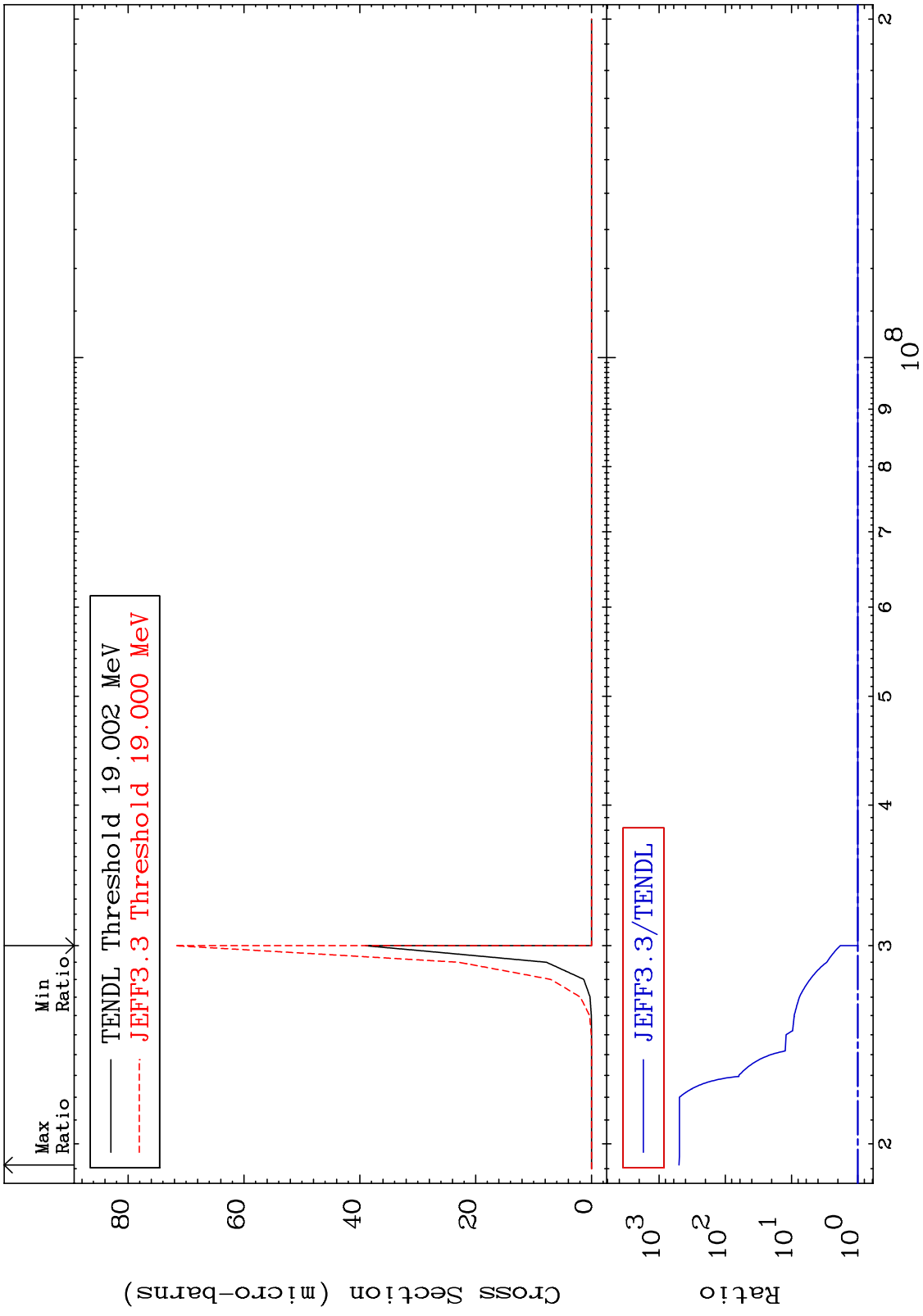


MAT 4440 (n,2n)  $\alpha$  44-Ru-101  
Cross Section -93.35 To 9999. %

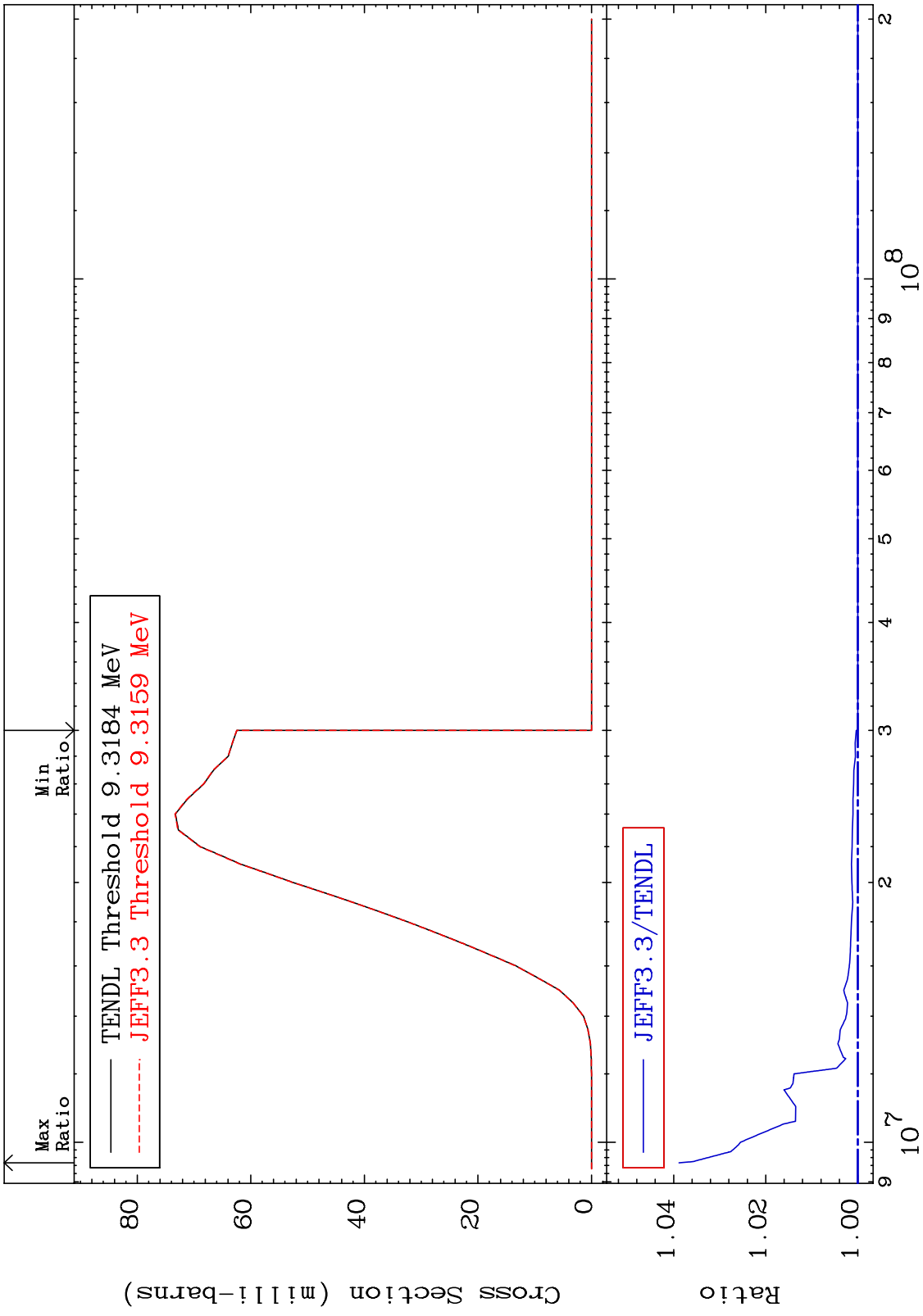


44-Ru-101

MAT 4440 (n,3n)  $\alpha$  44-Ru-101  
Cross Section 0.000 To 9999. %

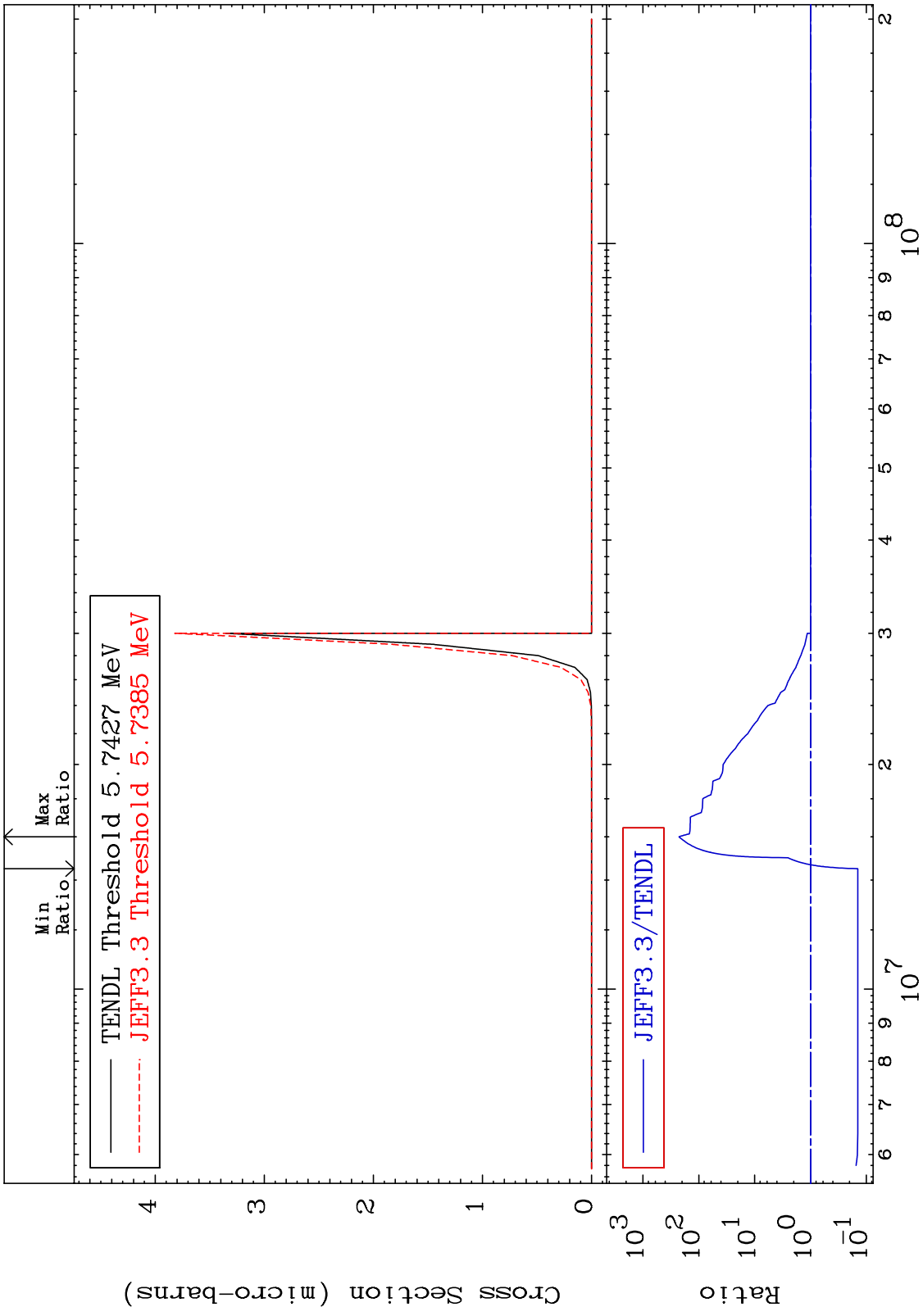


MAT 4440 (n, n') p Cross Section 44-Ru-101 To 3.882 %

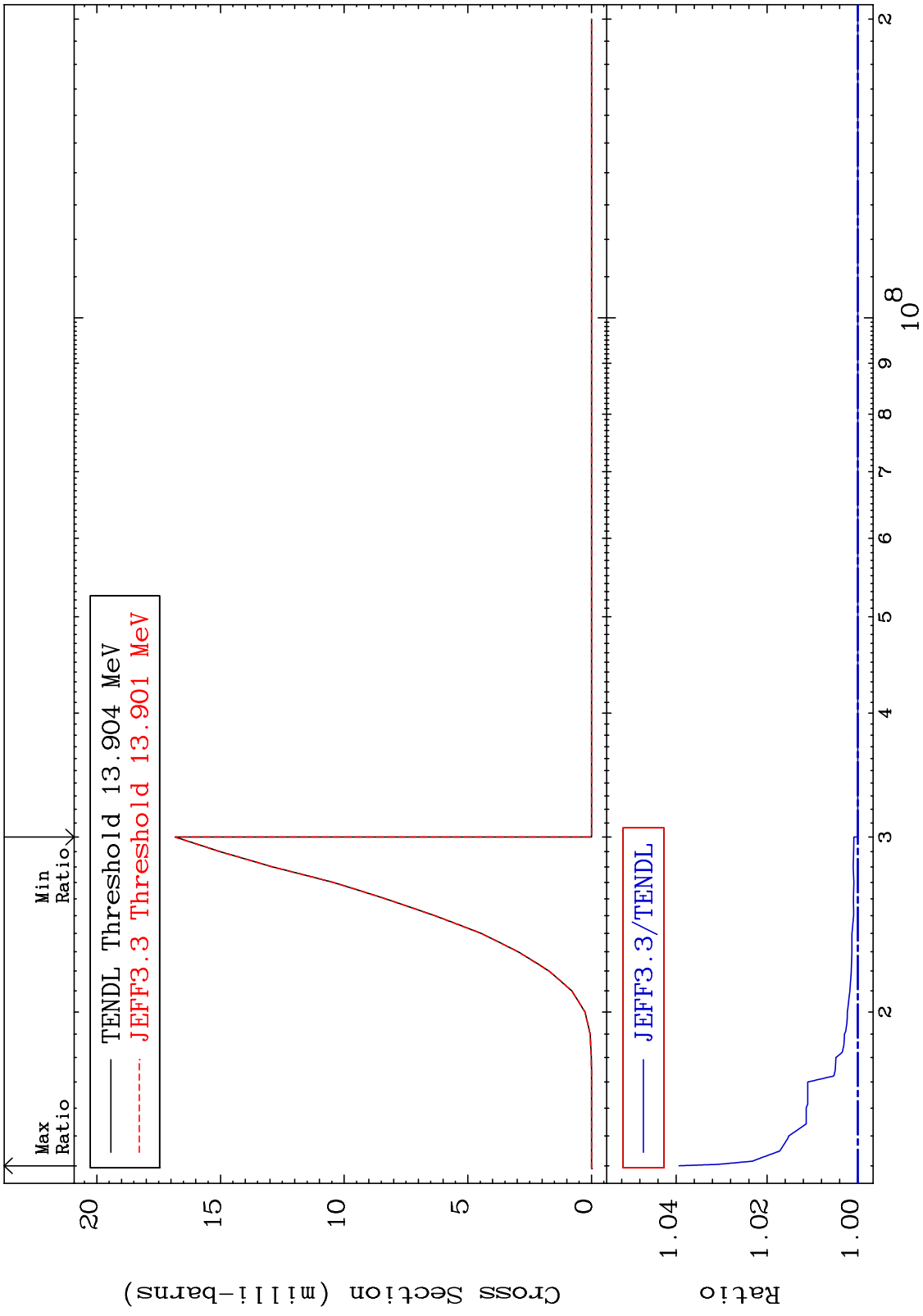


44-Ru-101

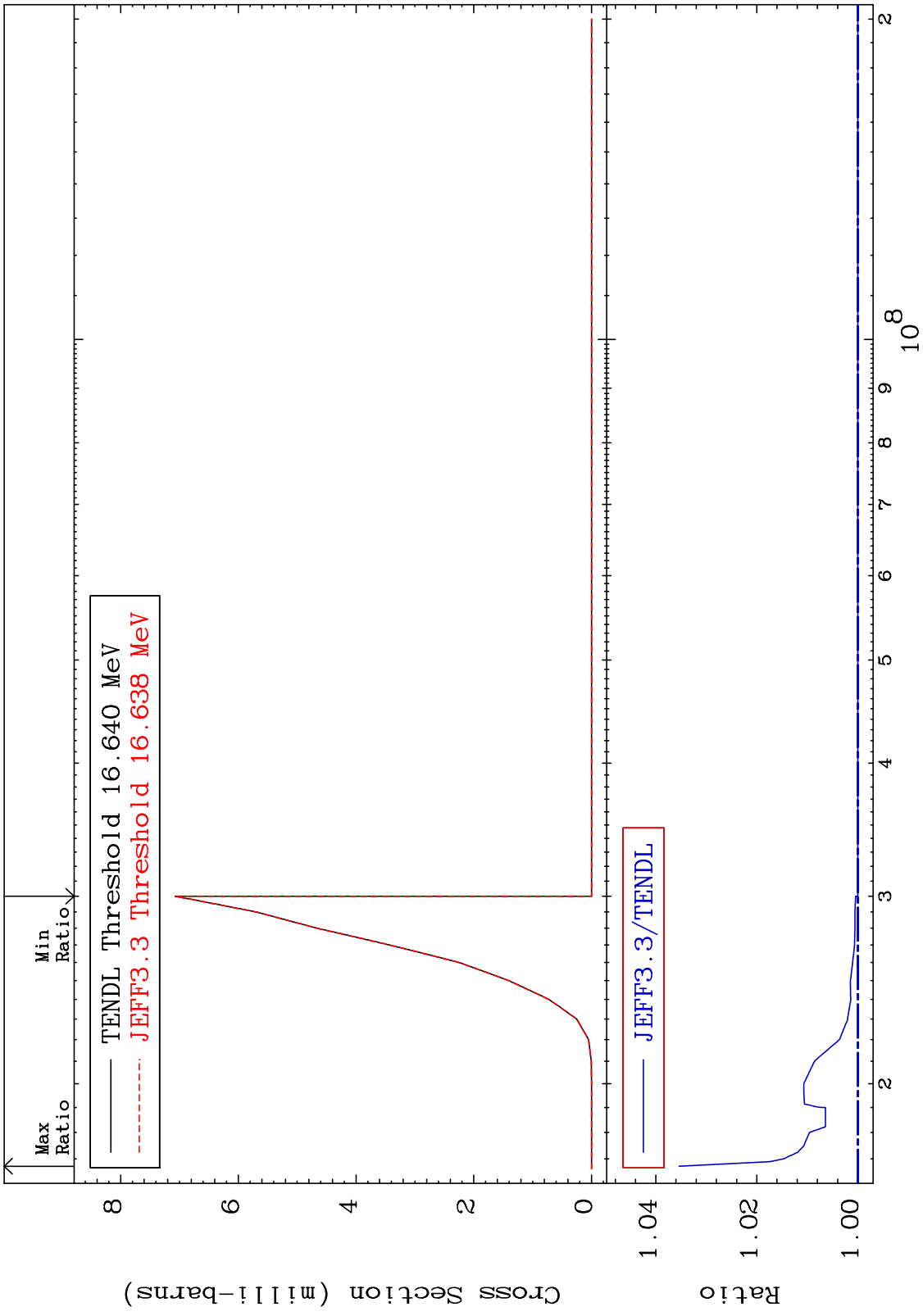
MAT 4440 (n,n') 2α Cross Section 44-Ru-101 -85.76 To 9999. %



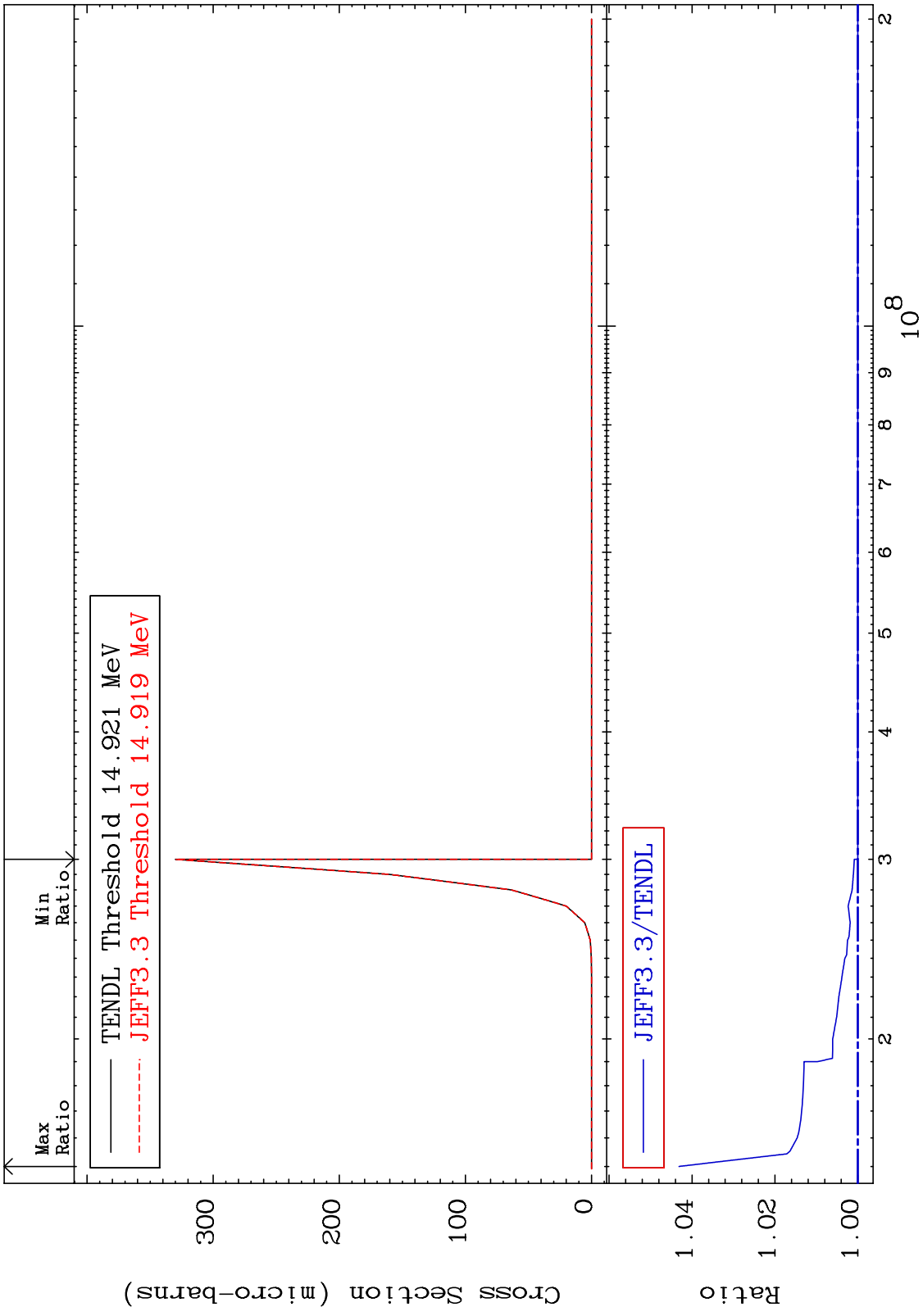
MAT 4440 (n, n') d 44-Ru-101  
 Cross Section 0.000 To 3.937 %



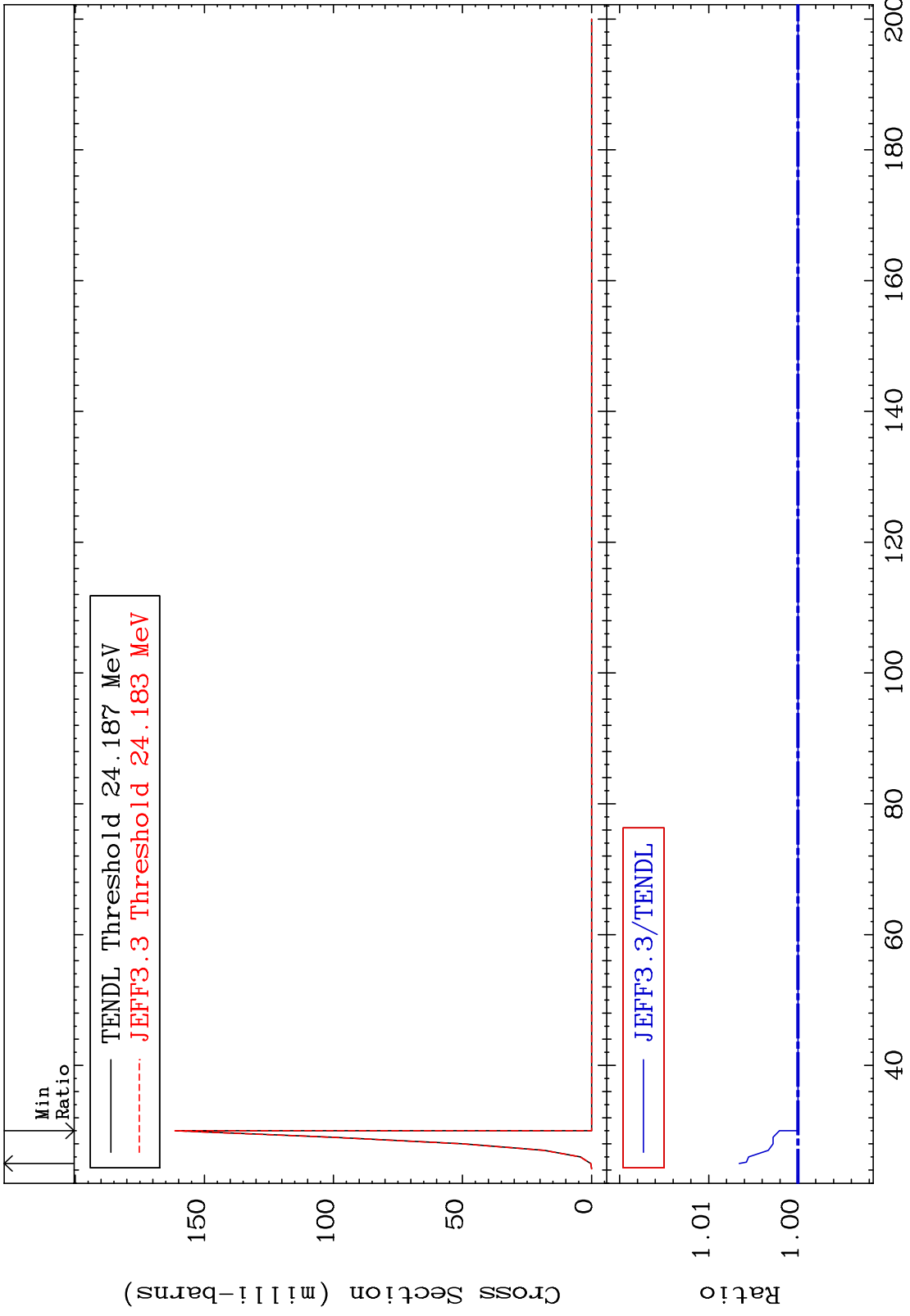
MAT 4440 (n,n') t 44-Ru-101  
 Cross Section 0.000 To 3.539 %



MAT 4440 (n, n') He-3 Cross Section 44-Ru-101 To 4.313 %  
 0.000

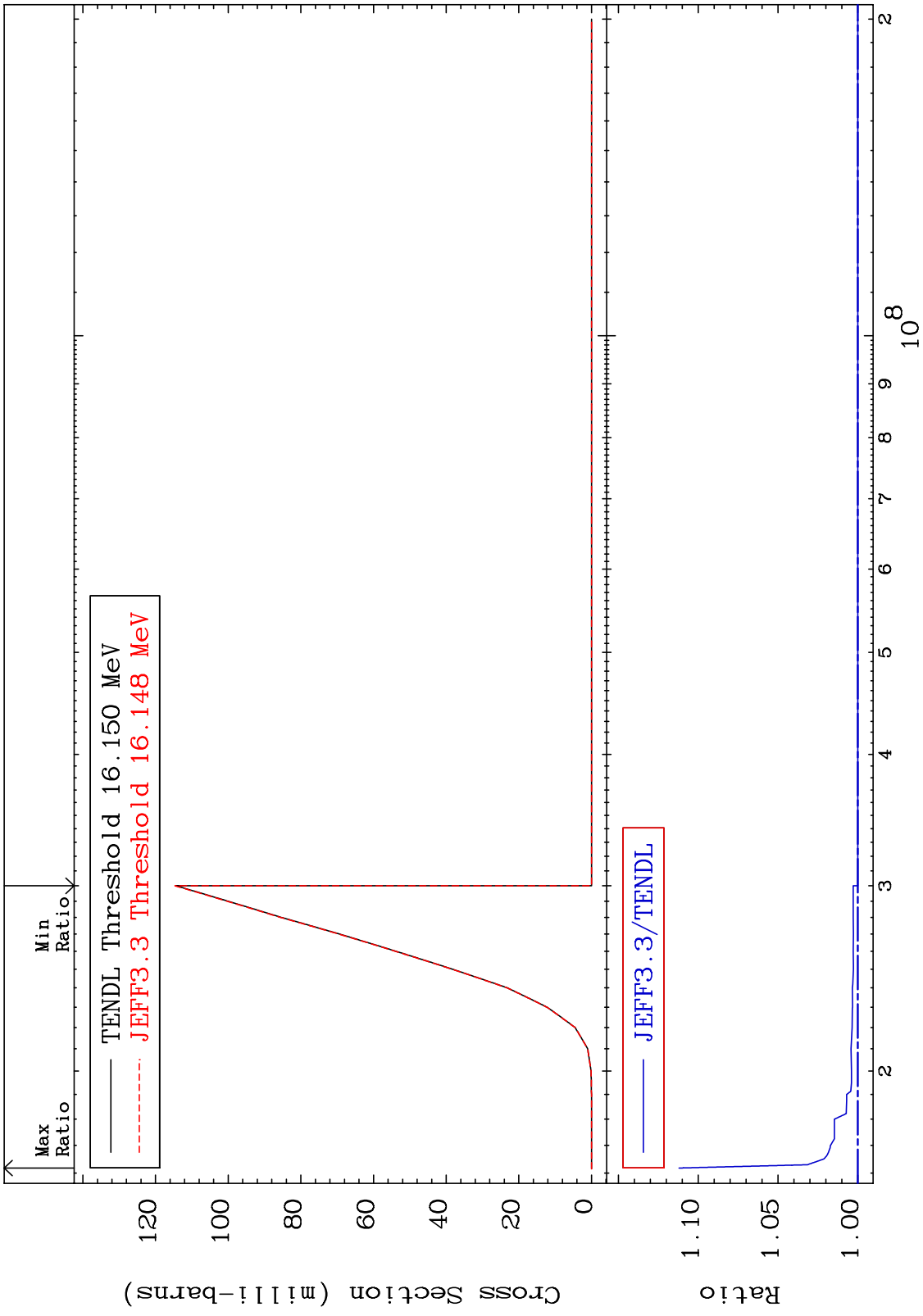


MAT 4440 (n,4n) Cross Section 44-Ru-101 To 0.659 %

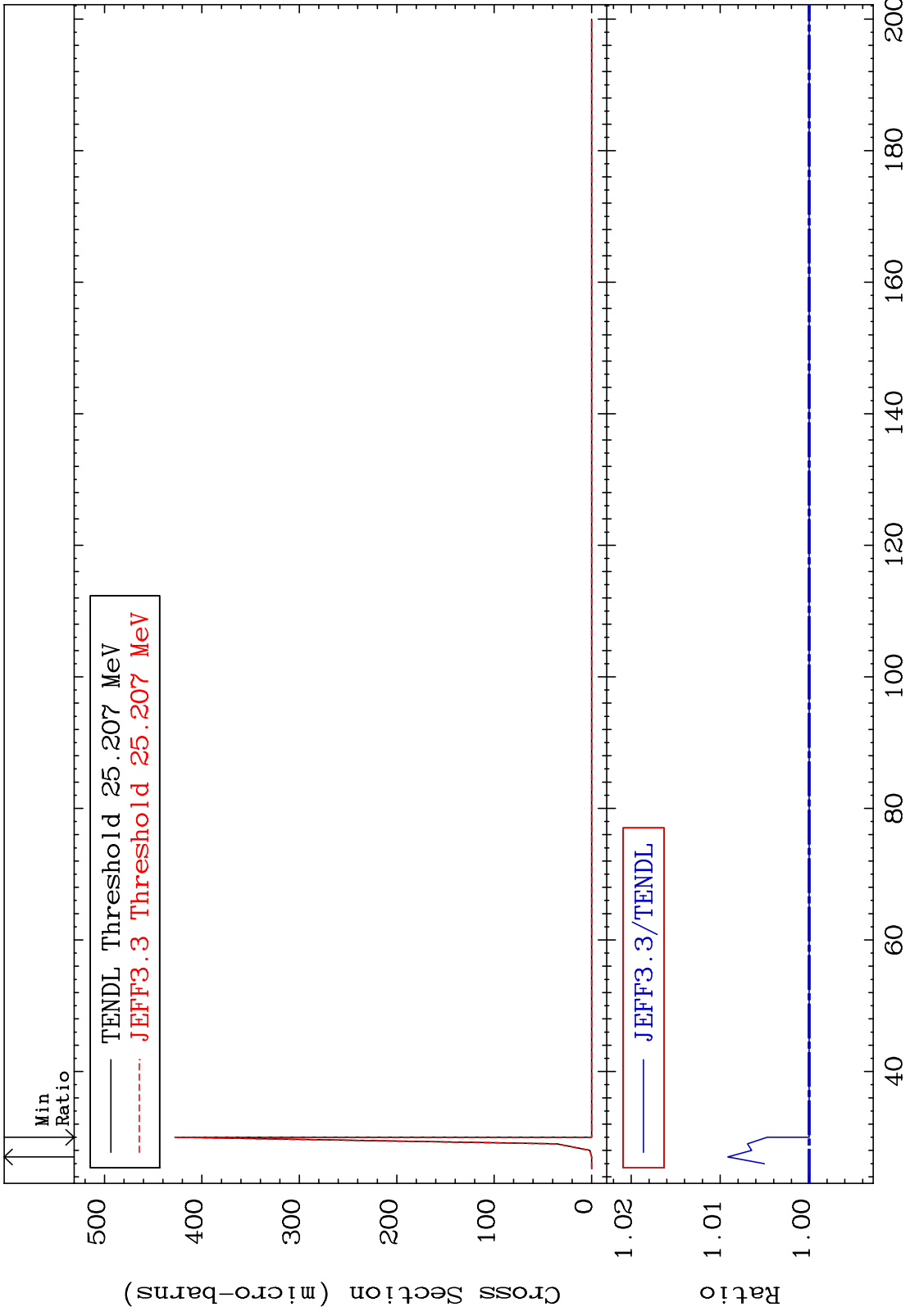




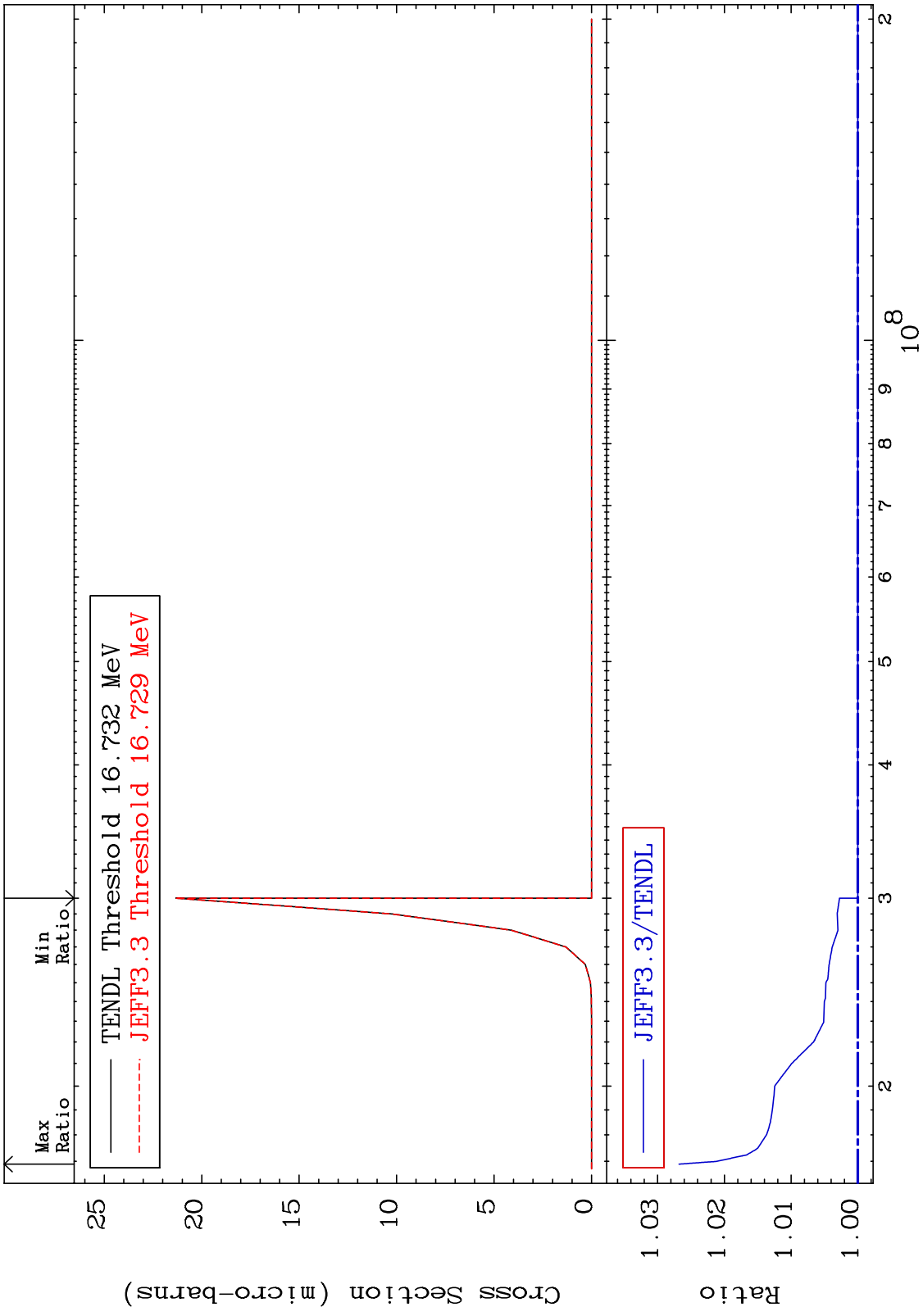
MAT 4440 (n,2n) p 44-Ru-101  
 Cross Section 0.000 To 11.20 %



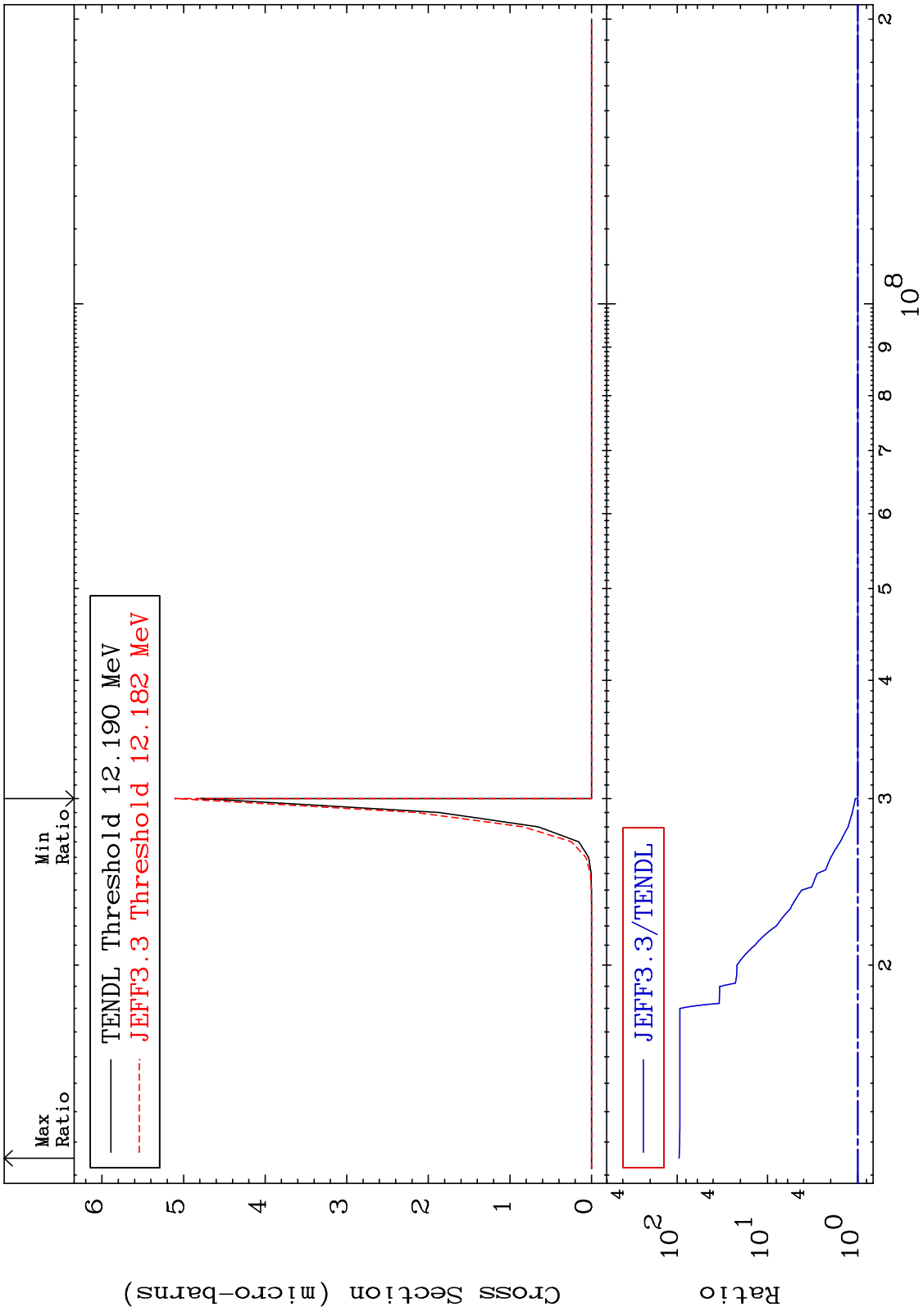
MAT 4440 (n,3n) p 44-Ru-101  
Cross Section 0.000 To 0.914 %

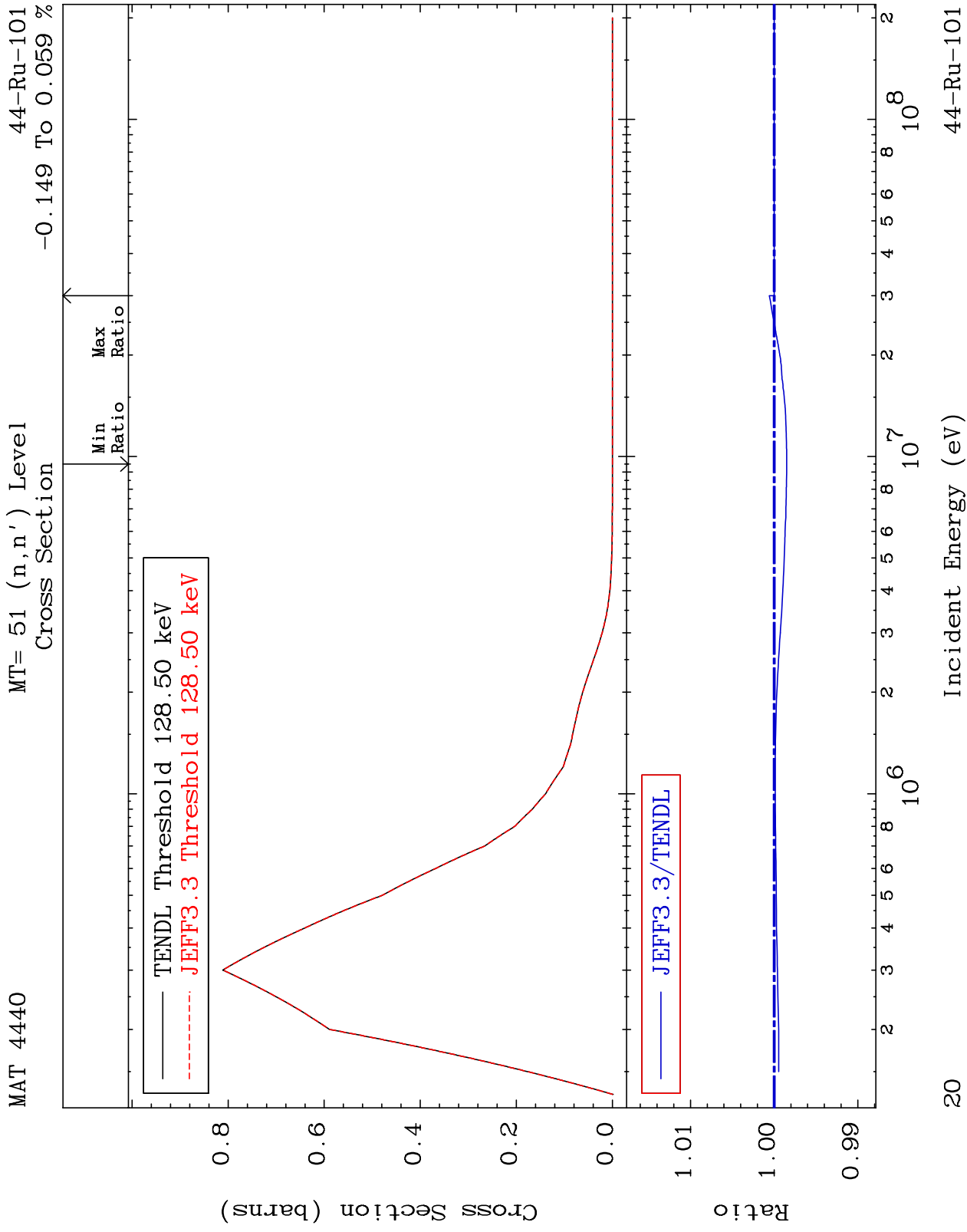


MAT 4440 (n,2n) p 44-Ru-101  
 Cross Section 0.000 To 2.679 %

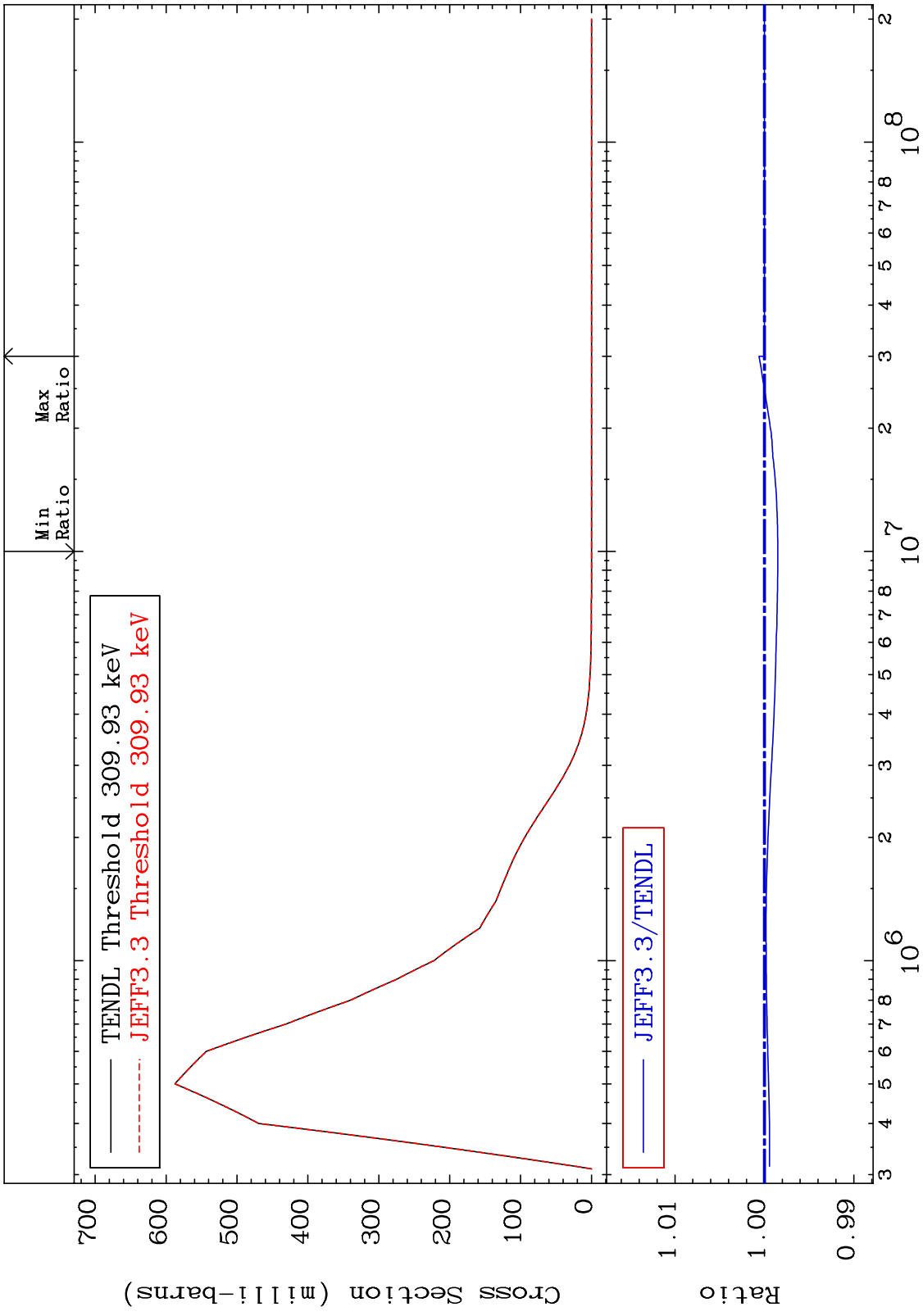


MAT 4440 (n,n') p  $\alpha$  44-Ru-101  
 Cross Section 0.000 To 9449. %

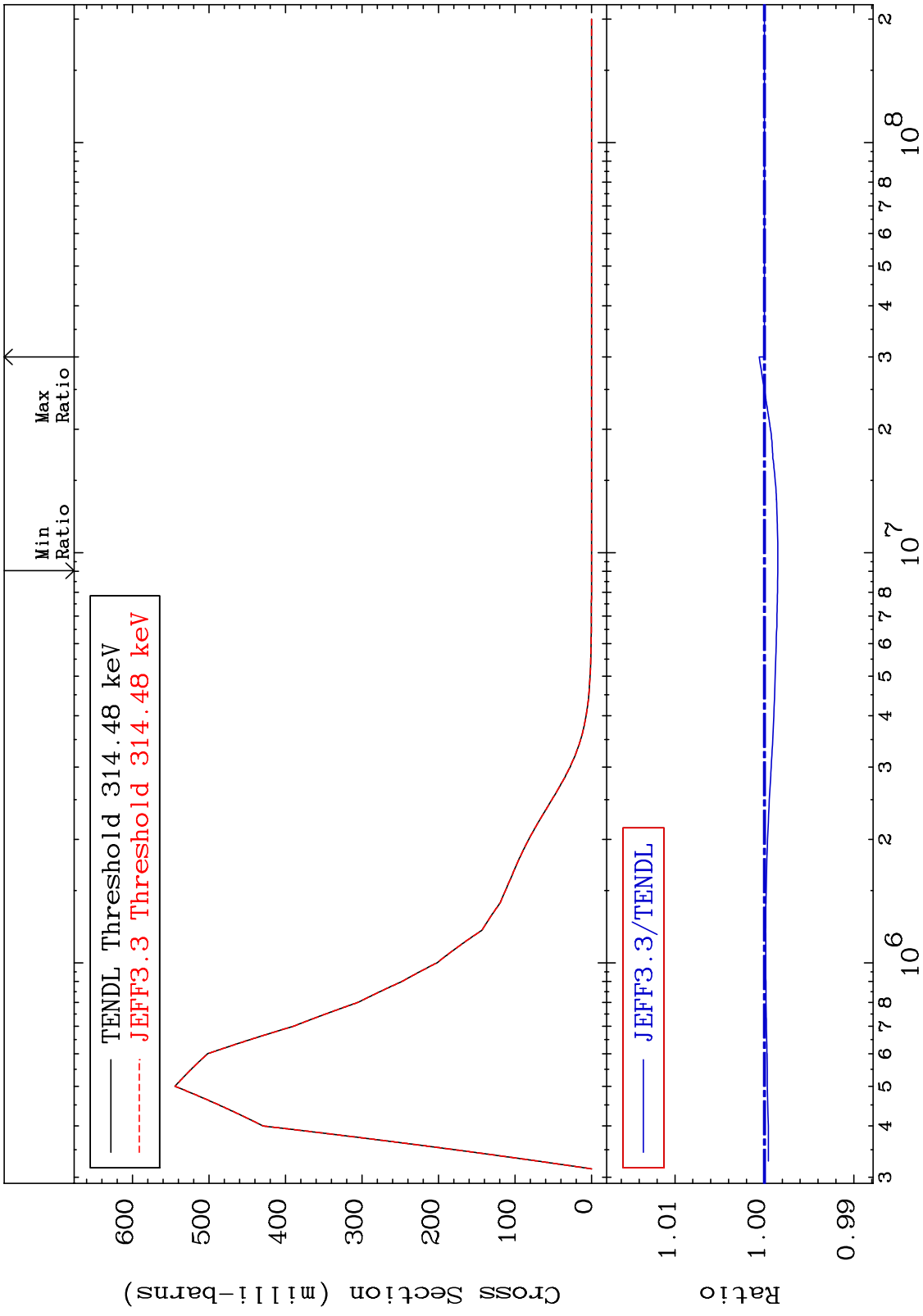




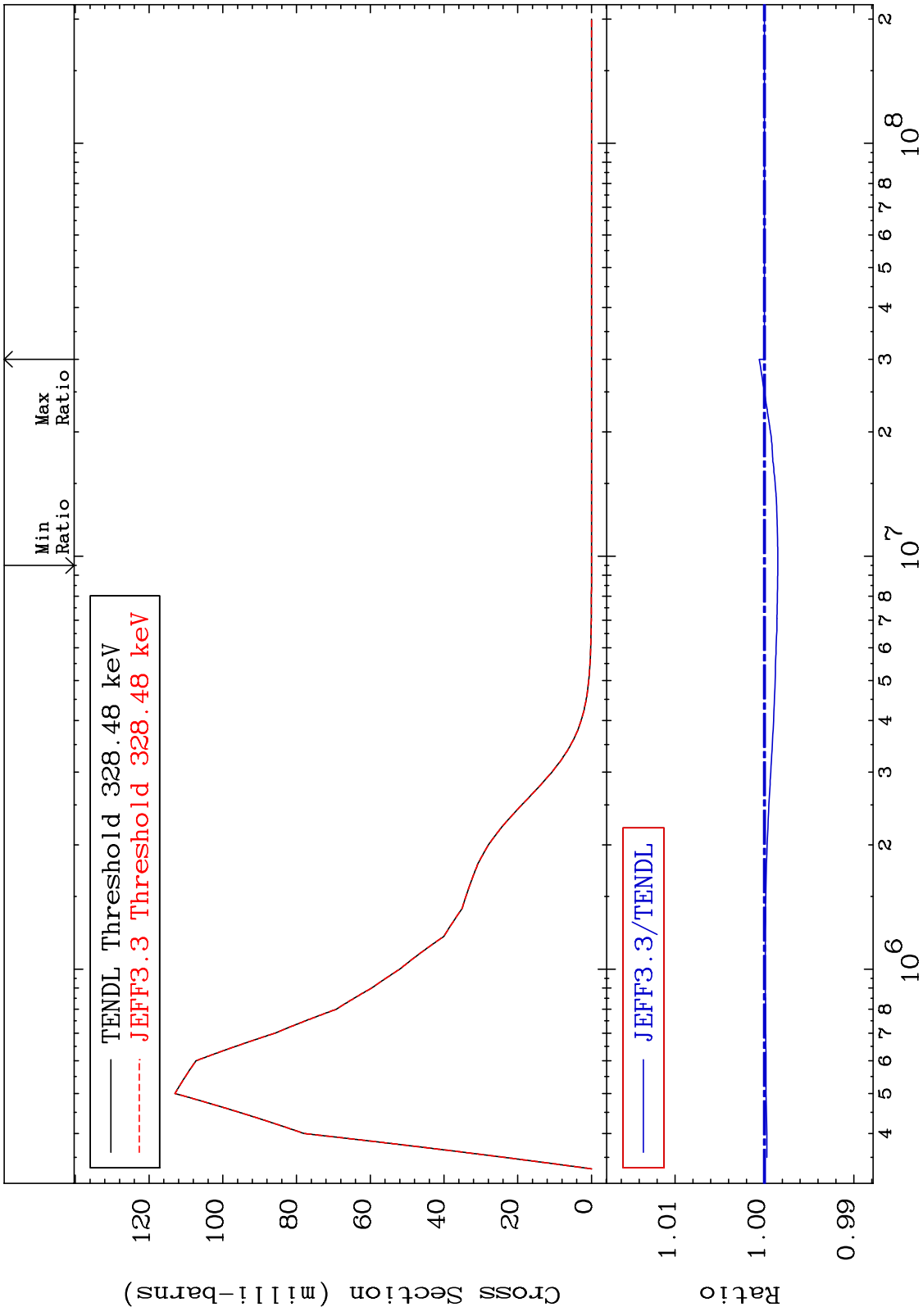
MAT 4440 MT= 52 (n,n') Level Cross Section 44-Ru-101 -0.150 To 0.059 %



MAT 4440 MT= 53 (n,n') Level Cross Section 44-Ru-101 -0.149 To 0.059 %

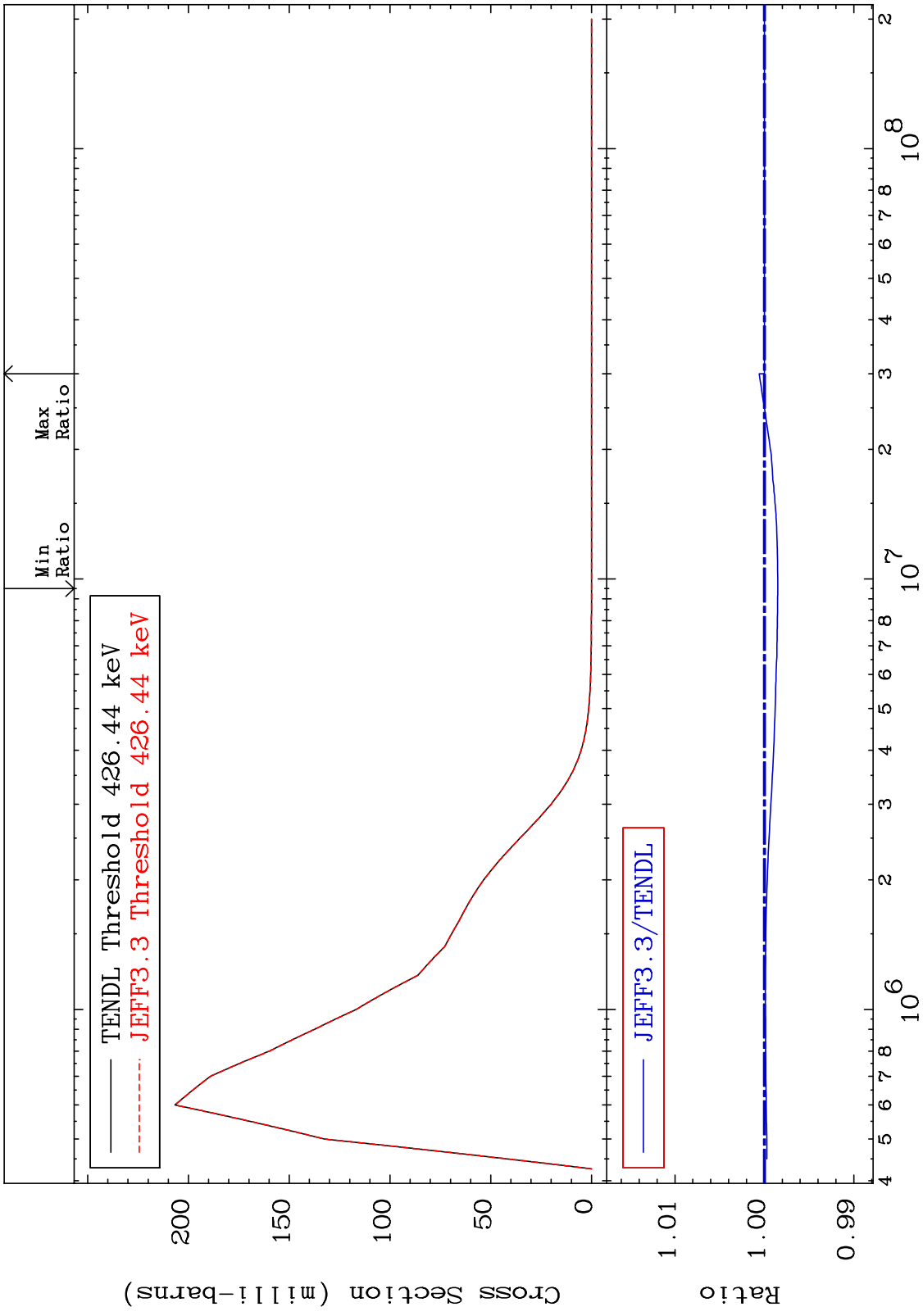


MAT 4440 MT= 54 (n,n') Level Cross Section 44-Ru-101 -0.149 To 0.059 %

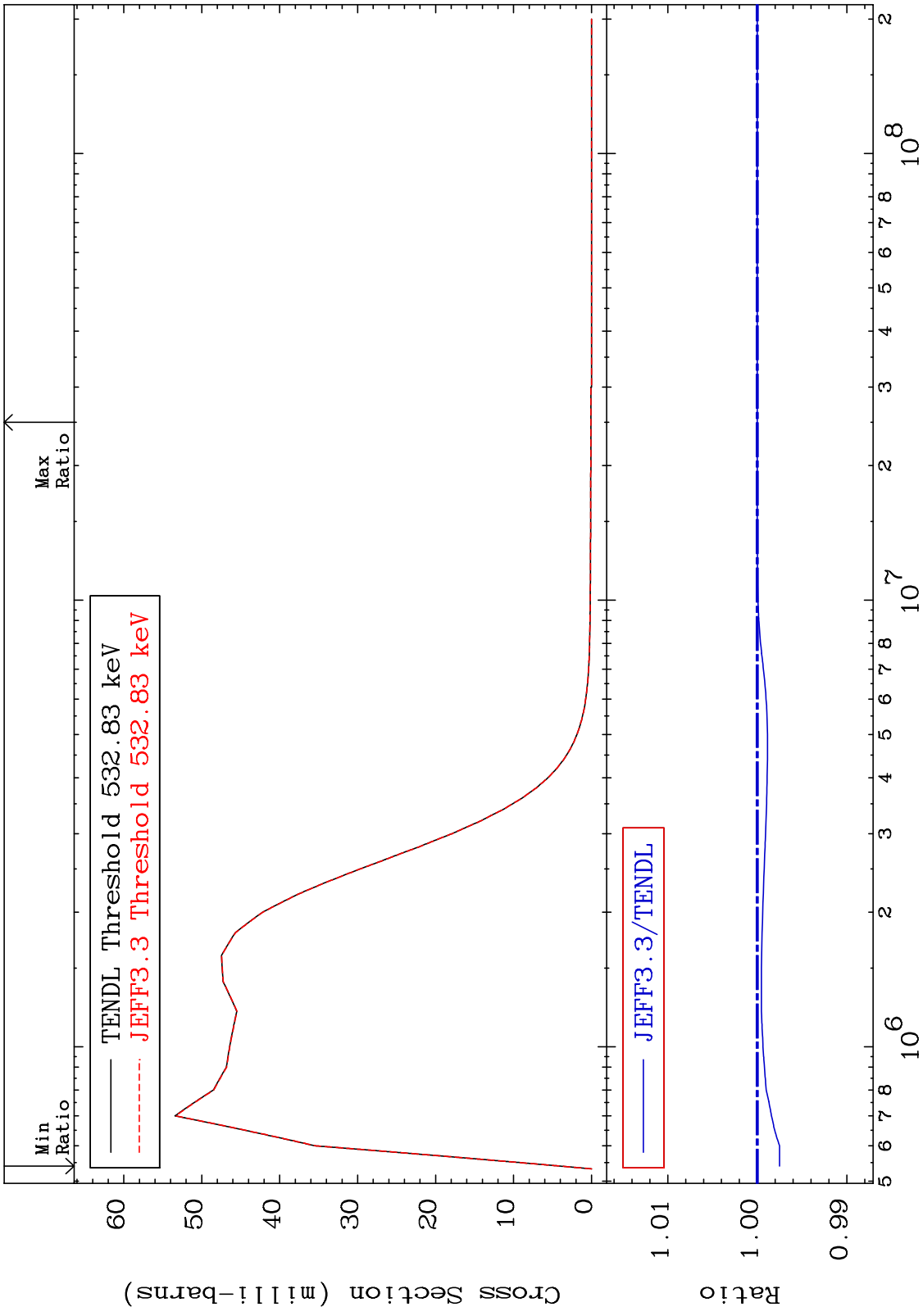




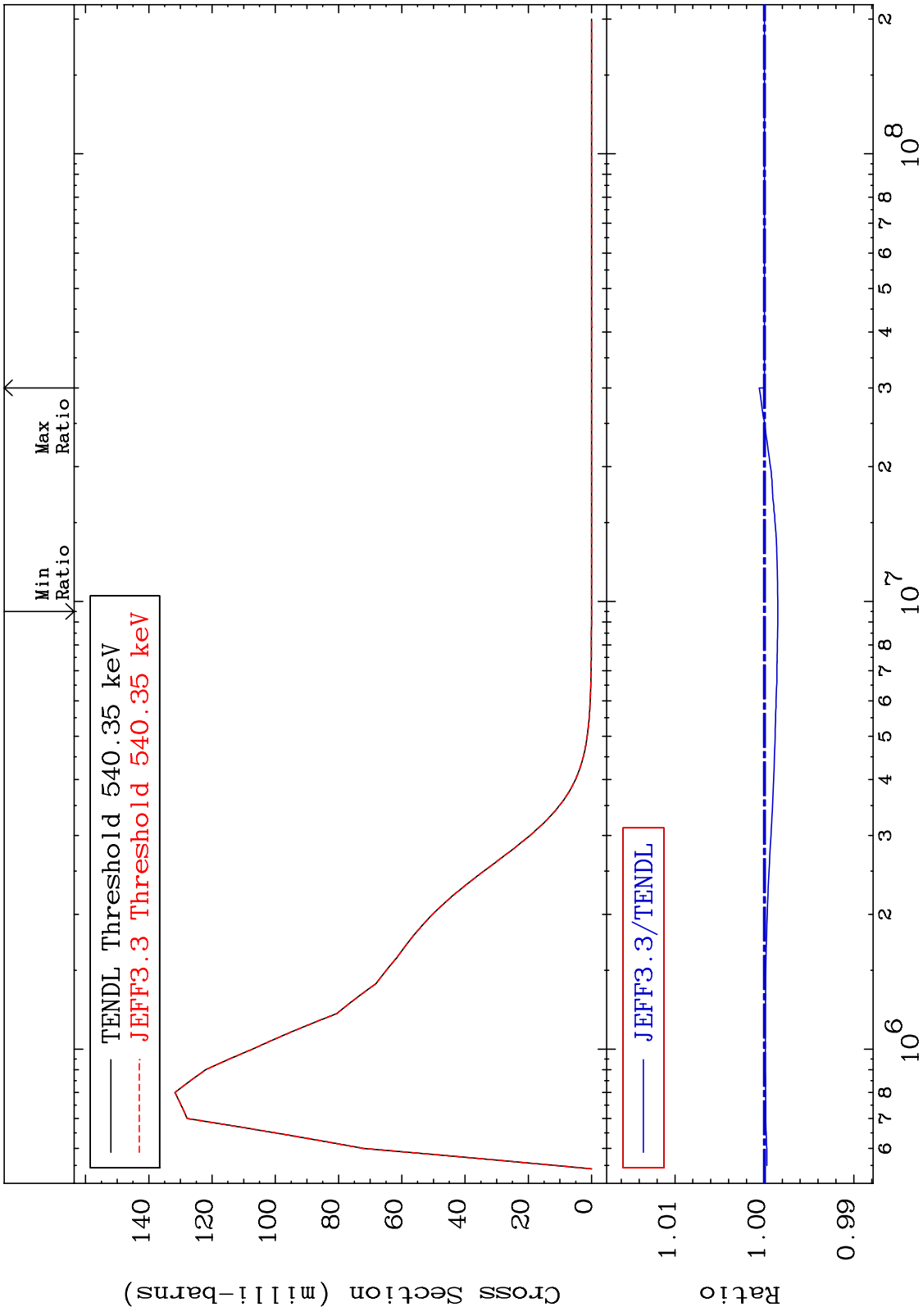
MAT 4440 MT= 55 (n,n') Level Cross Section 44-Ru-101 -0.149 To 0.059 %



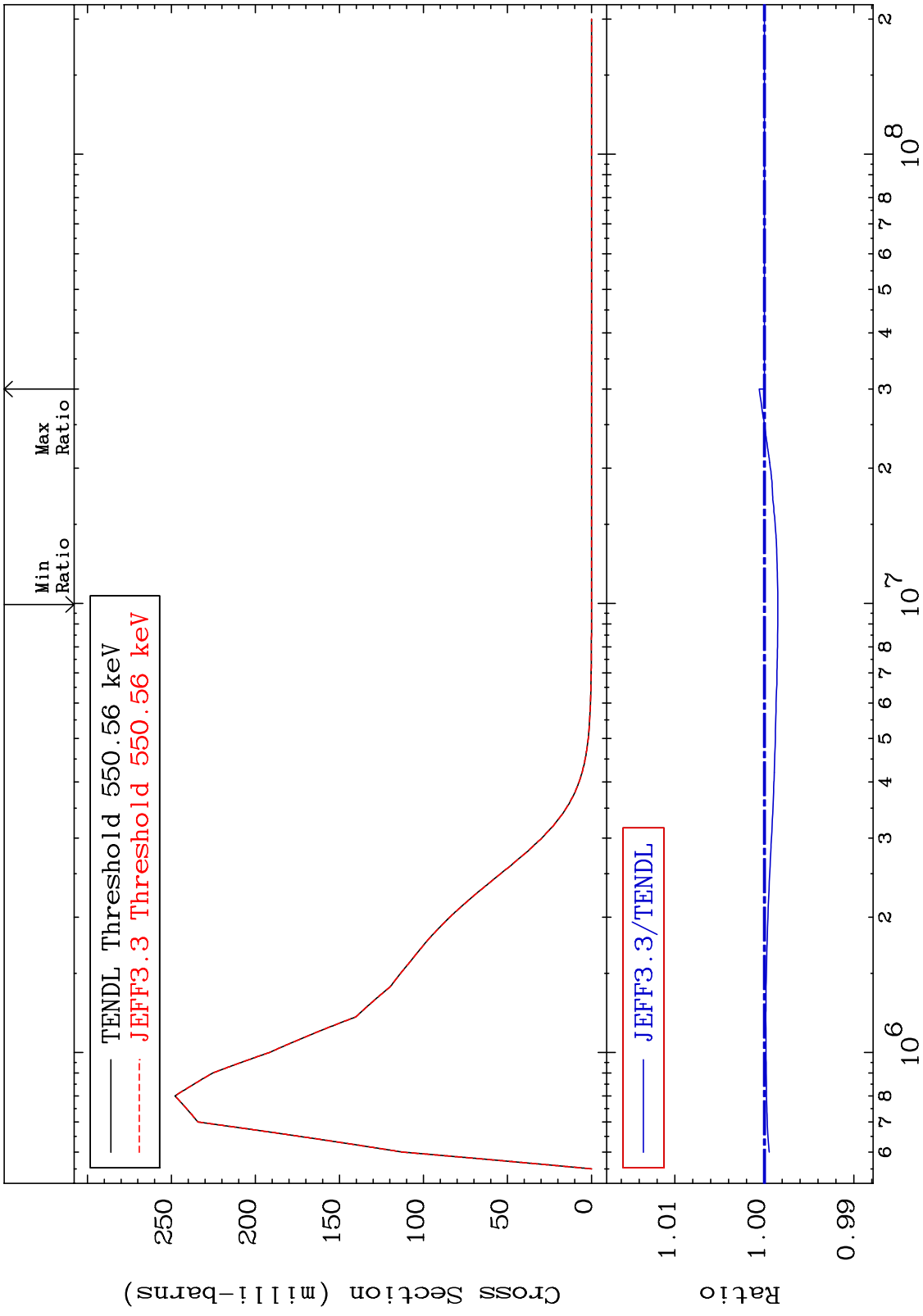
MAT 4440      MT= 56 (n,n') Level Cross Section      44-Ru-101  
 -0.249 To 0.000 %



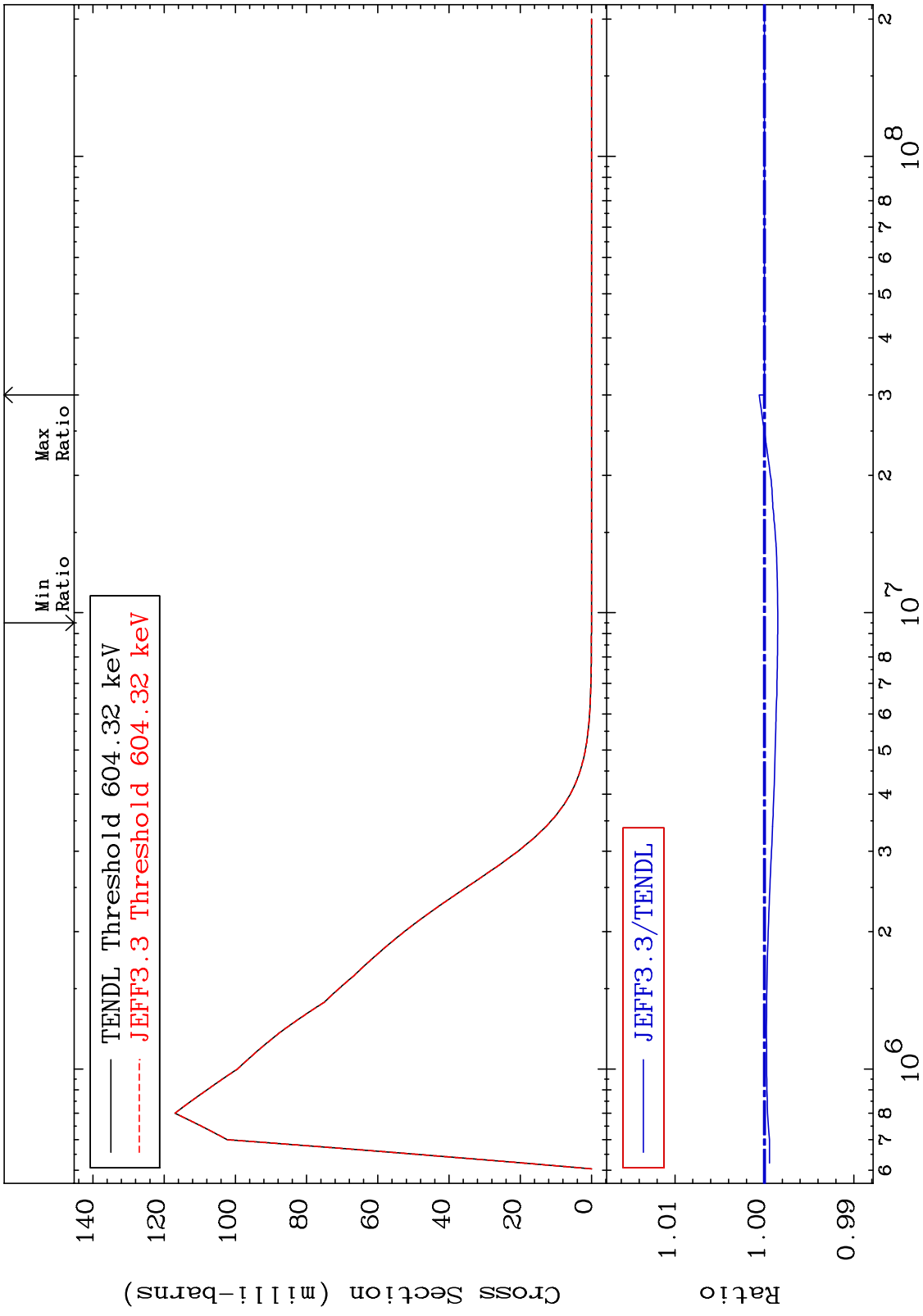
MAT 4440 MT= 57 (n,n') Level Cross Section 44-Ru-101 -0.149 To 0.059 %



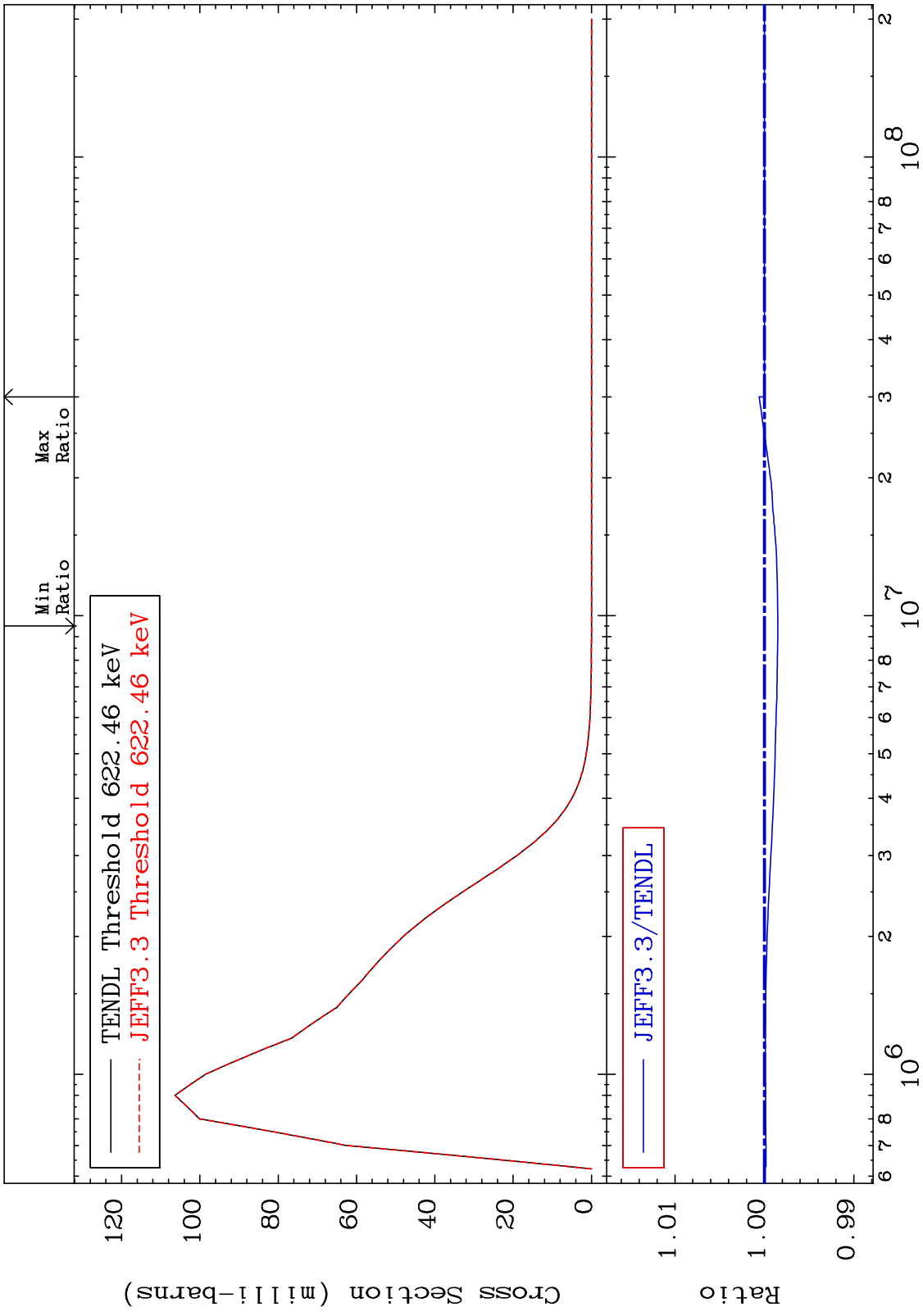
MAT 4440 MT= 58 (n,n') Level Cross Section -0.150 To 0.059 % 44-Ru-101



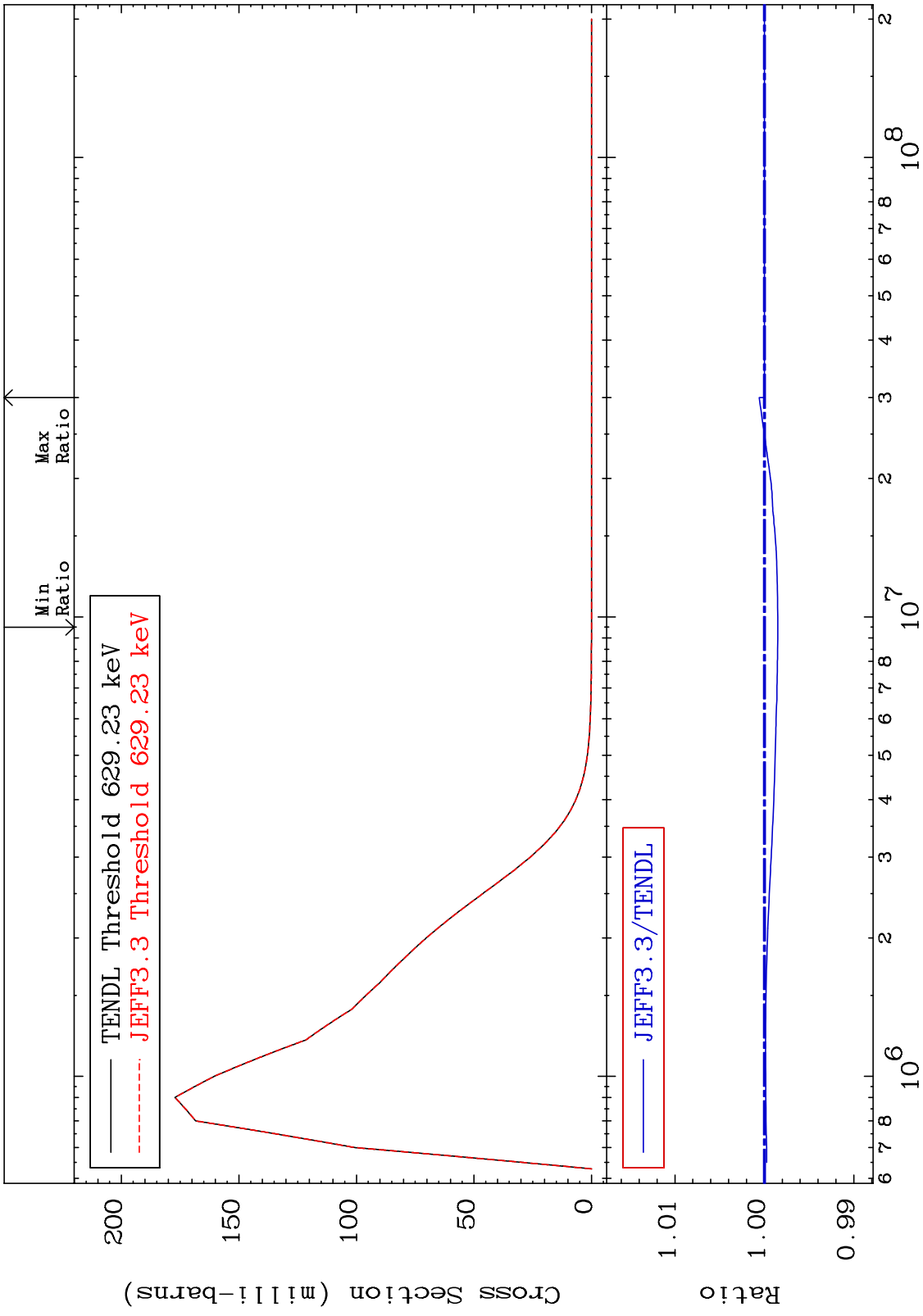
MAT 4440      MT= 59 (n,n') Level      44-Ru-101  
 Cross Section      -0.149 To 0.059 %



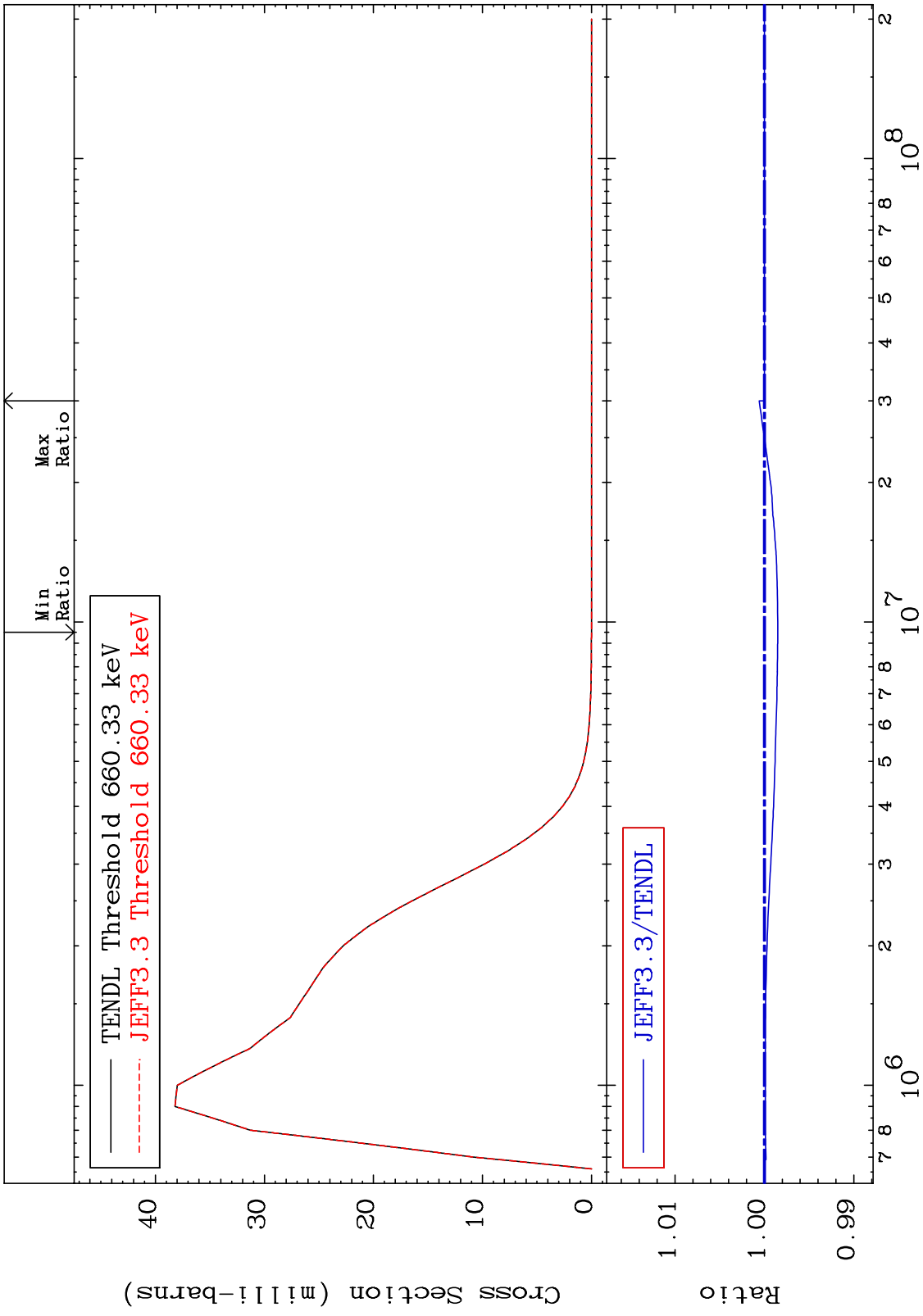
MAT 4440      MT= 60 (n,n') Level Cross Section      44-Ru-101  
 -0.149 To 0.059 %



MAT 4440 MT= 61 (n,n') Level Cross Section 44-Ru-101 -0.150 To 0.059 %

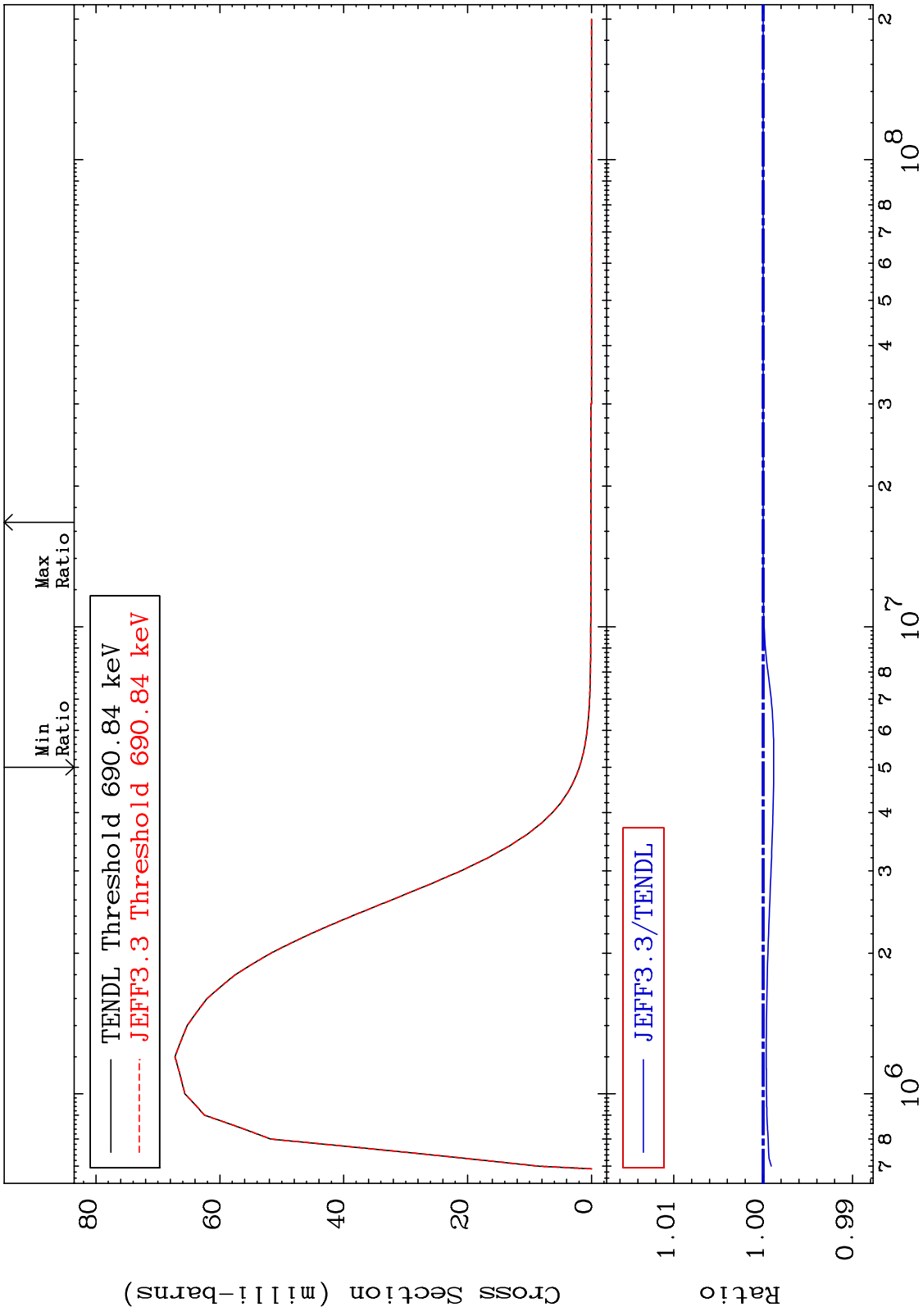


MAT 4440      MT= 62 (n,n') Level Cross Section      44-Ru-101  
 -0.149 To 0.059 %

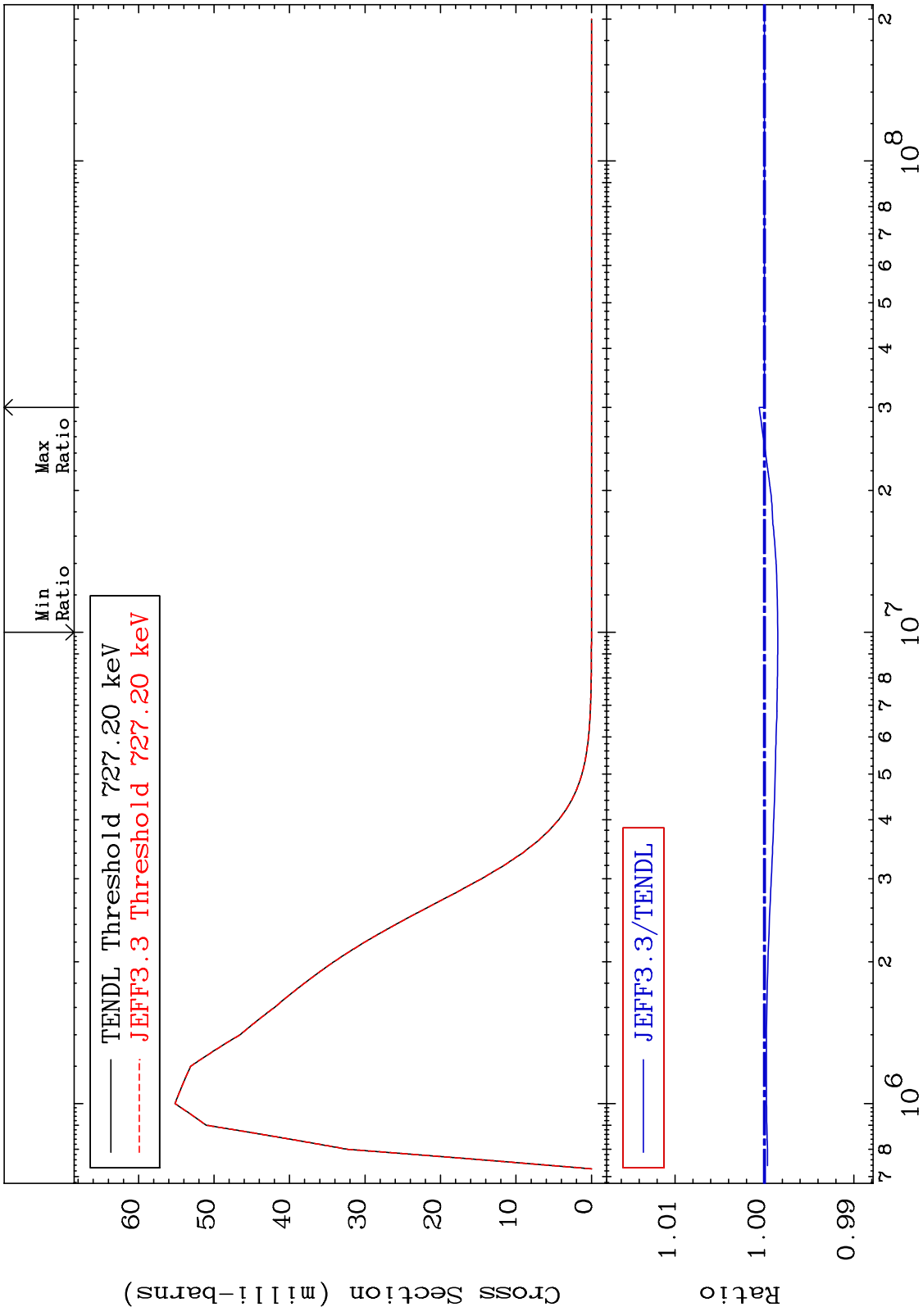




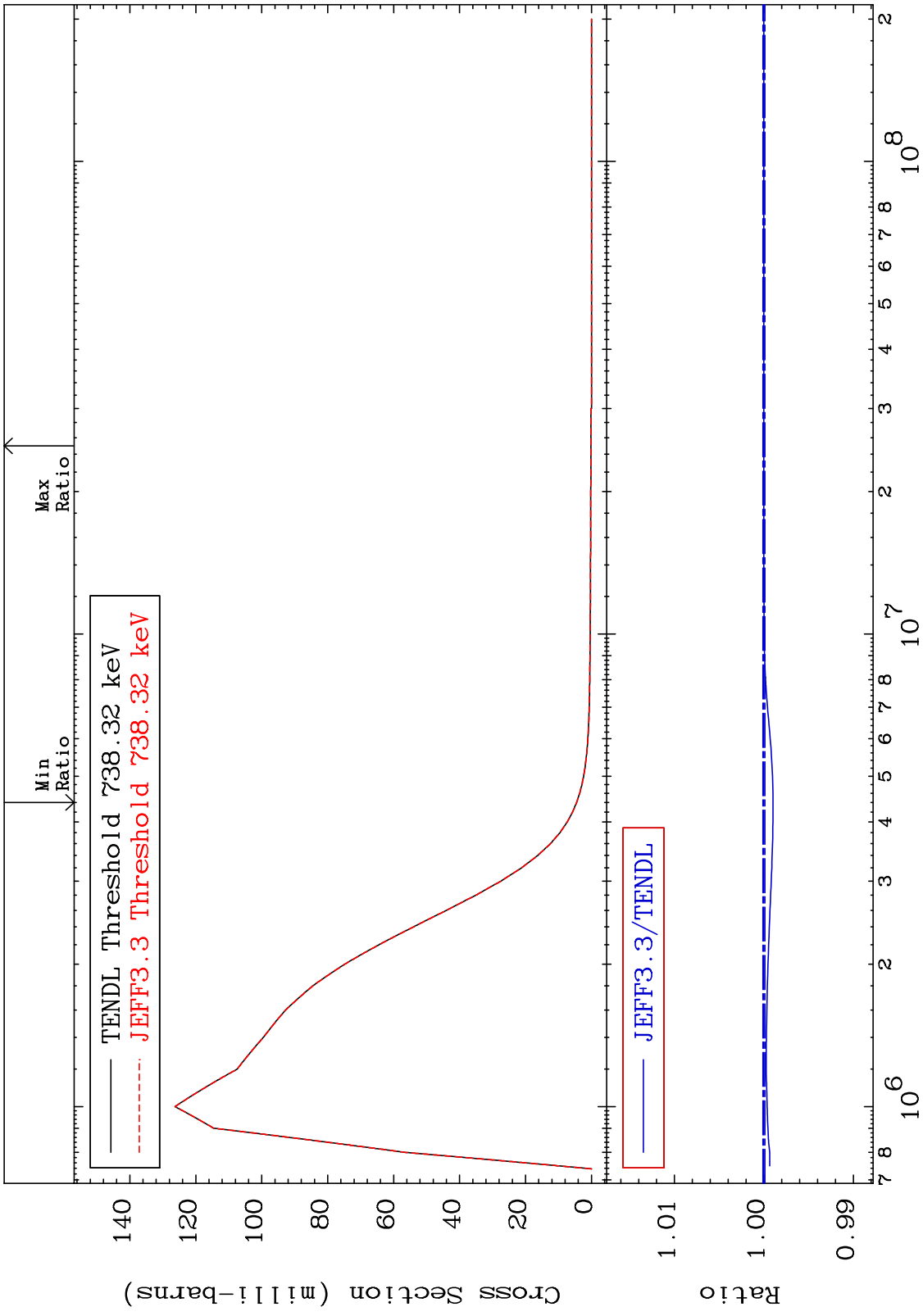
MAT 4440      MT= 63 (n,n') Level Cross Section      44-Ru-101  
 -0.118 To 0.000 %



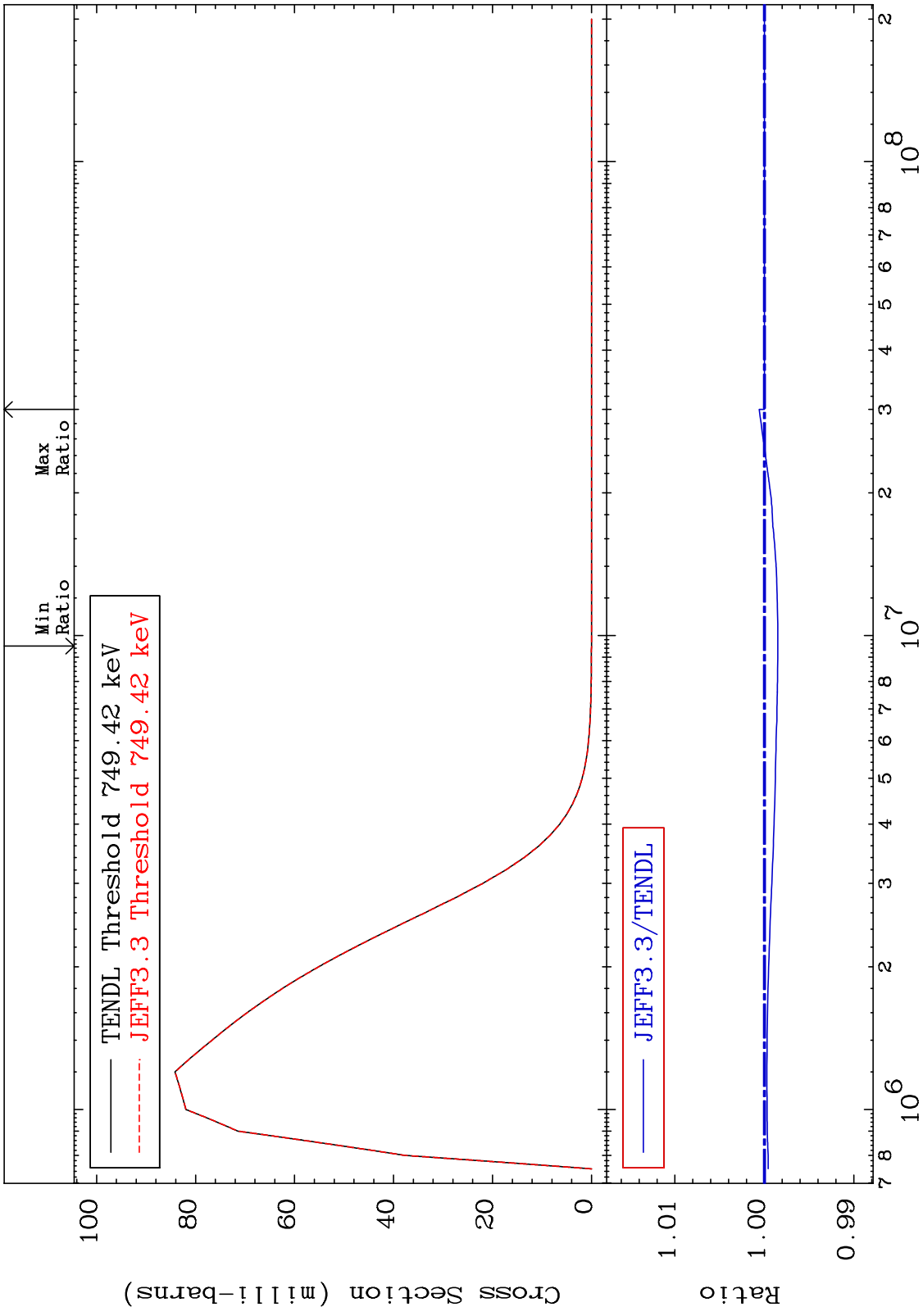
MAT 4440 MT= 64 (n,n') Level Cross Section 44-Ru-101  
 -0.149 To 0.059 %



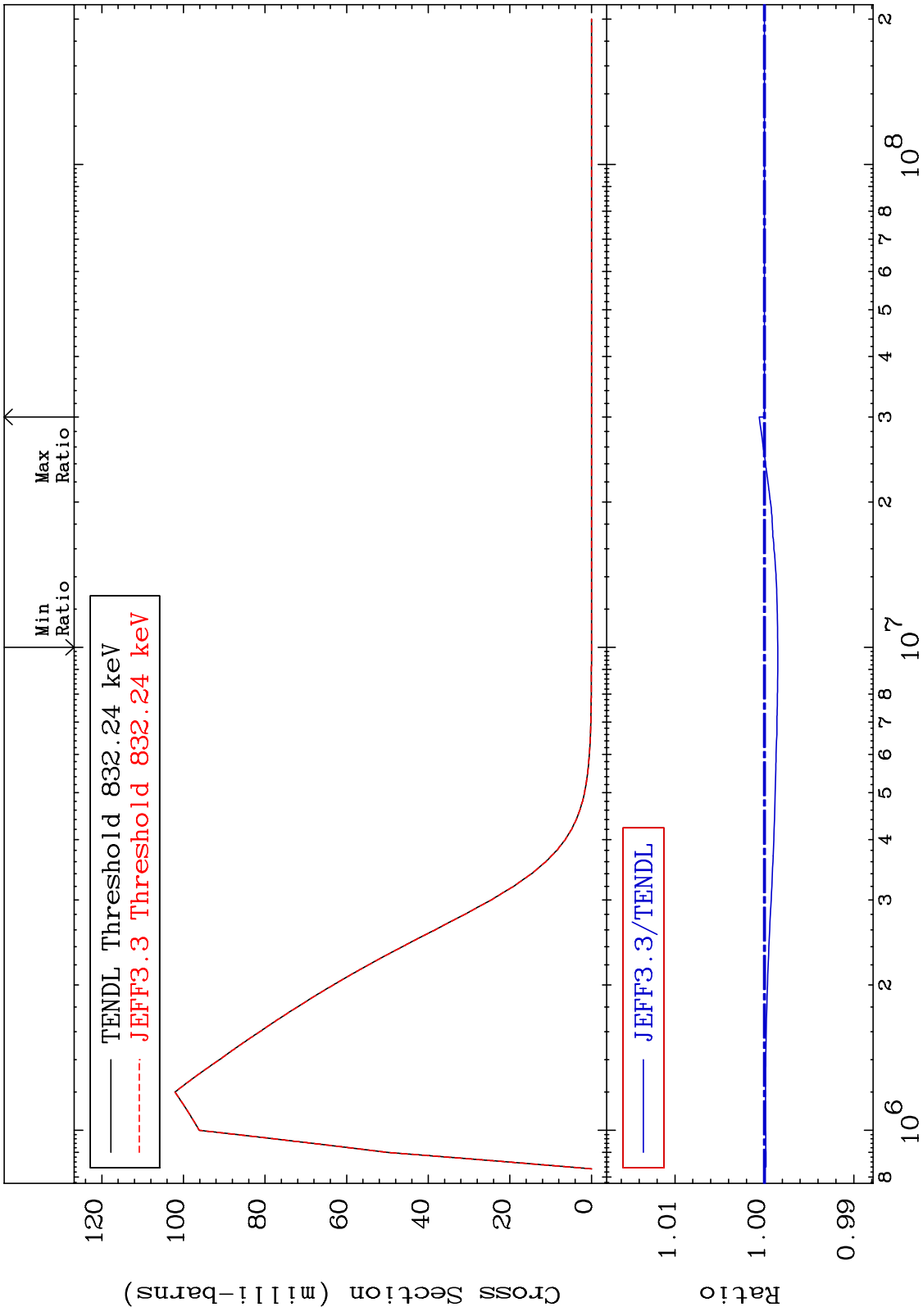
MAT 4440 MT= 65 (n,n') Level Cross Section 44-Ru-101 -0.102 To 0.000 %



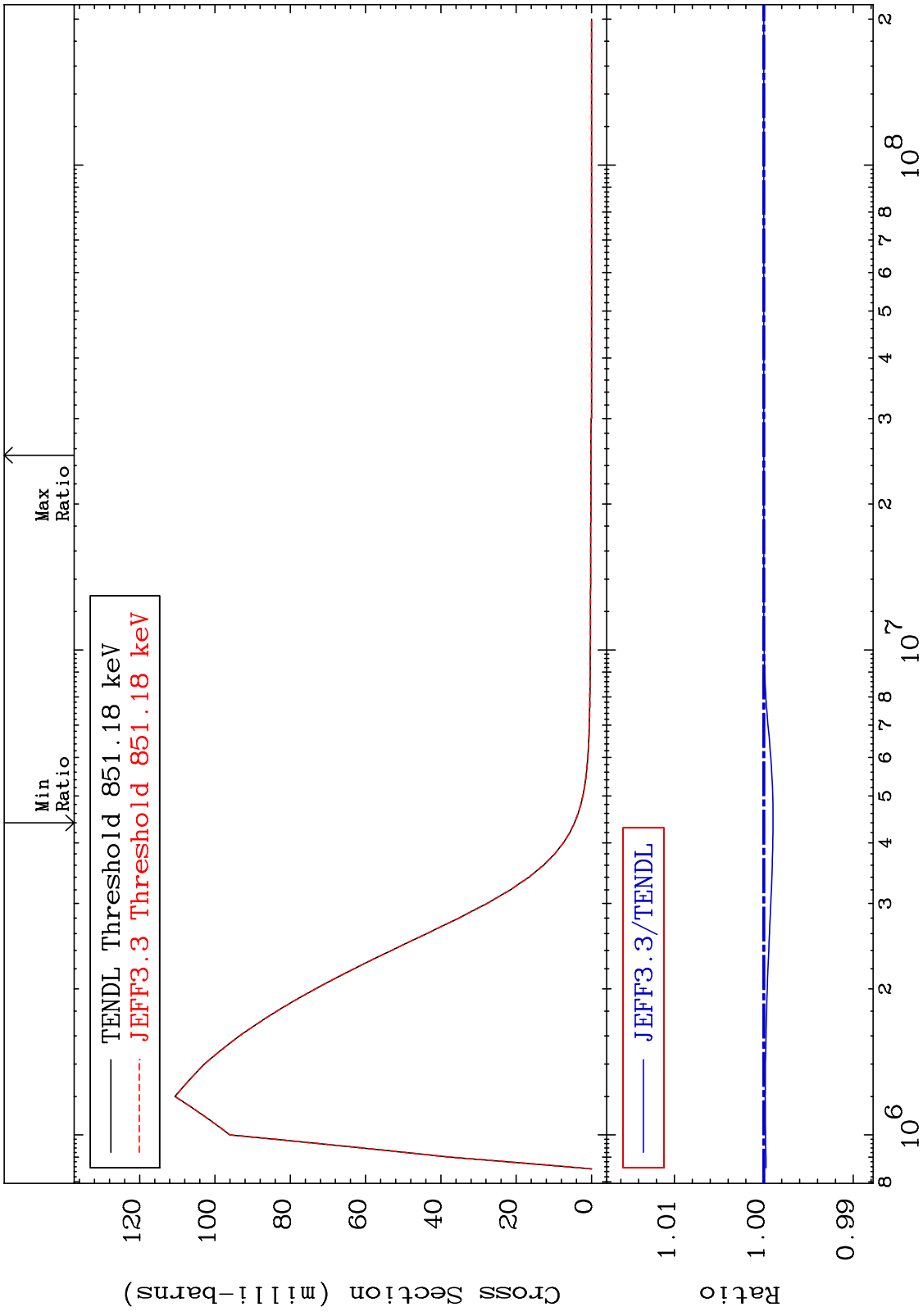
MAT 4440 MT= 66 (n,n') Level Cross Section 44-Ru-101 -0.150 To 0.059 %



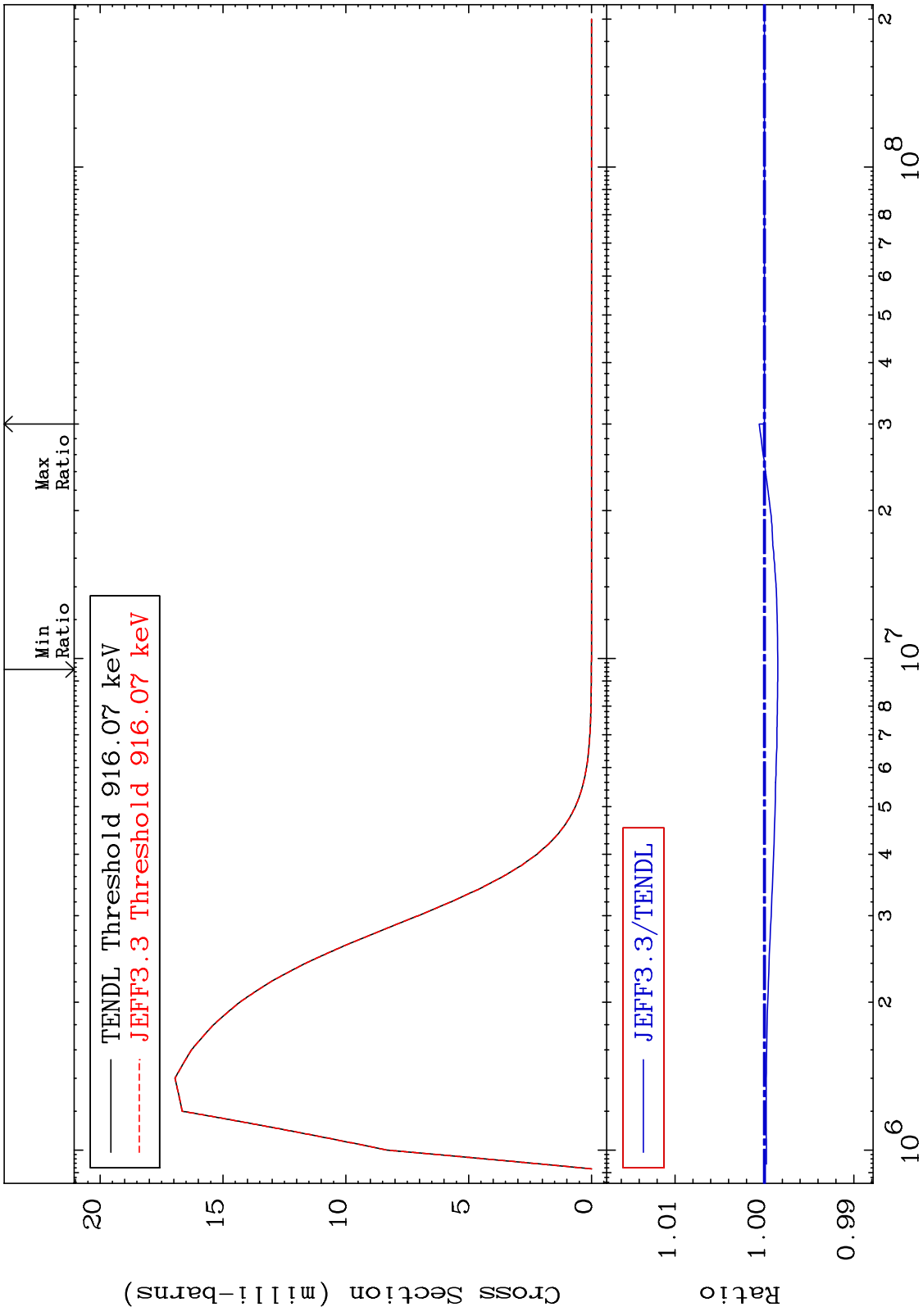
MAT 4440 MT= 67 (n,n') Level Cross Section 44-Ru-101 -0.149 To 0.059 %



MAT 4440      MT= 68 (n,n') Level Cross Section      44-Ru-101  
 -0.103 To 0.000 %

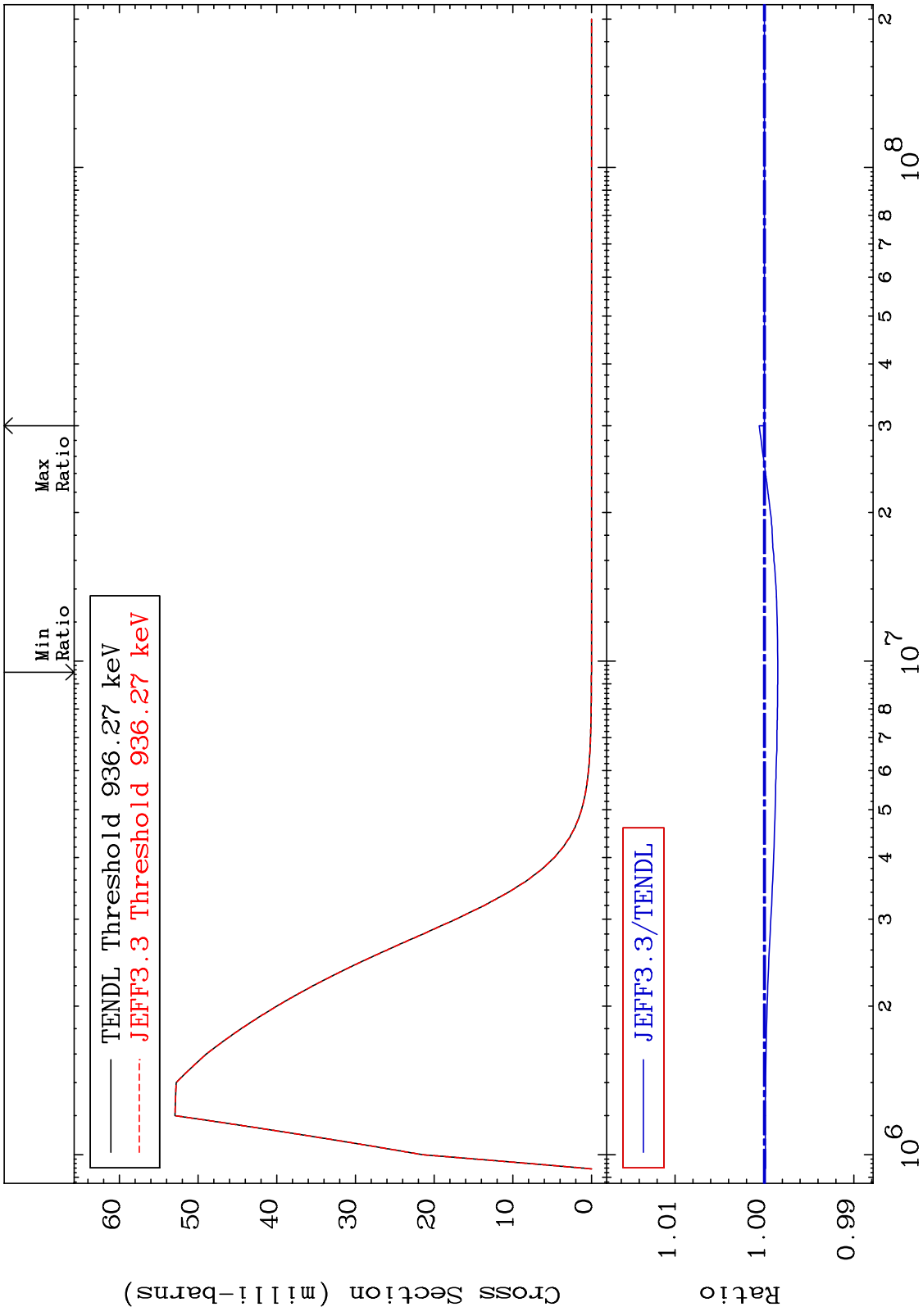


MAT 4440      MT= 69 (n,n') Level Cross Section      44-Ru-101  
-0.149 To 0.059 %



38      Incident Energy (eV)      44-Ru-101

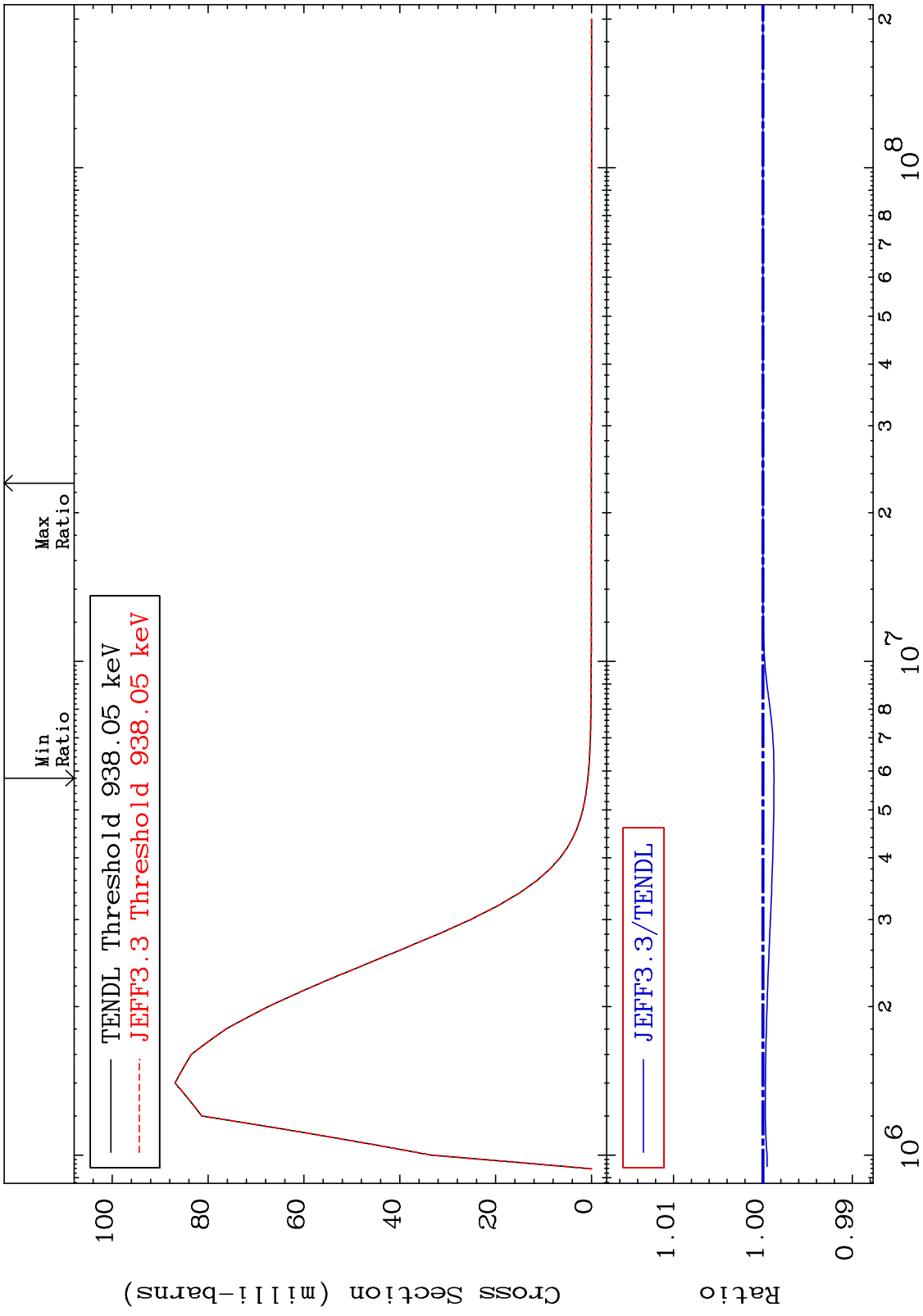
MAT 4440 MT= 70 (n,n') Level Cross Section 44-Ru-101 -0.149 To 0.059 %



39 Incident Energy (eV) 44-Ru-101

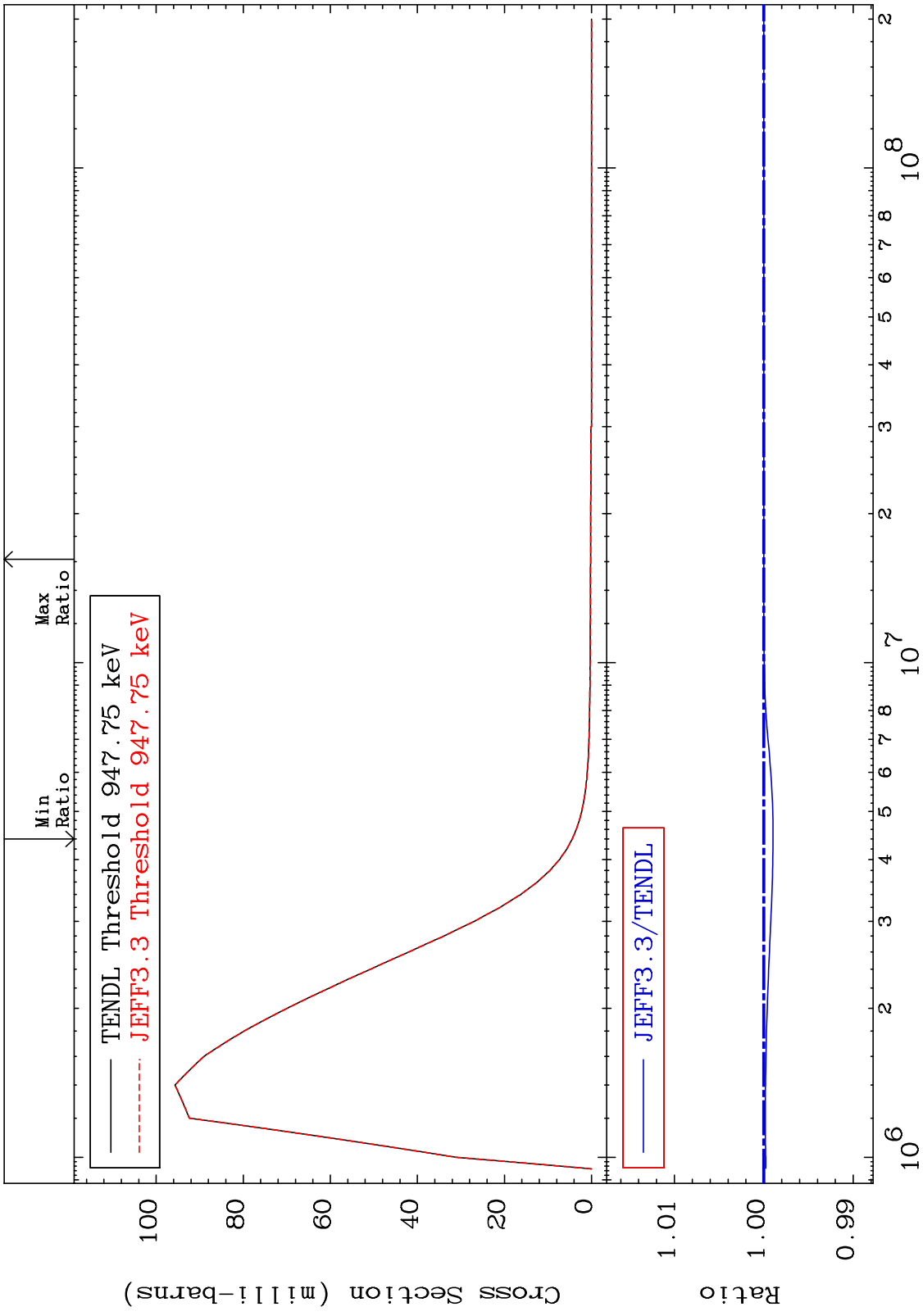


MAT 4440 MT= 71 (n,n') Level Cross Section 44-Ru-101  
 -0.124 To 0.000 %



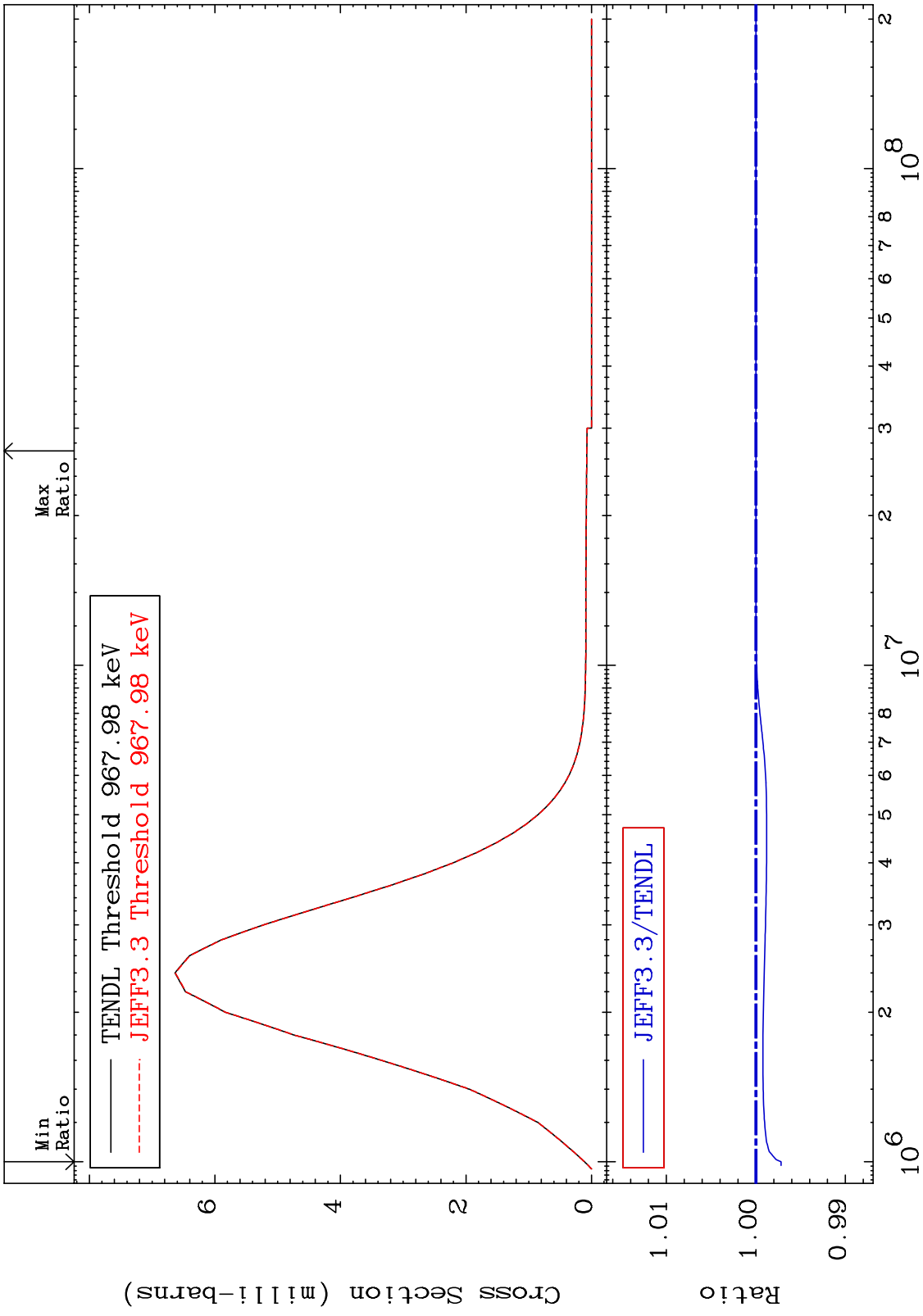
44-Ru-101 Incident Energy (eV)

MAT 4440      MT= 72 (n,n') Level Cross Section      44-Ru-101  
 -0.103 To 0.000 %

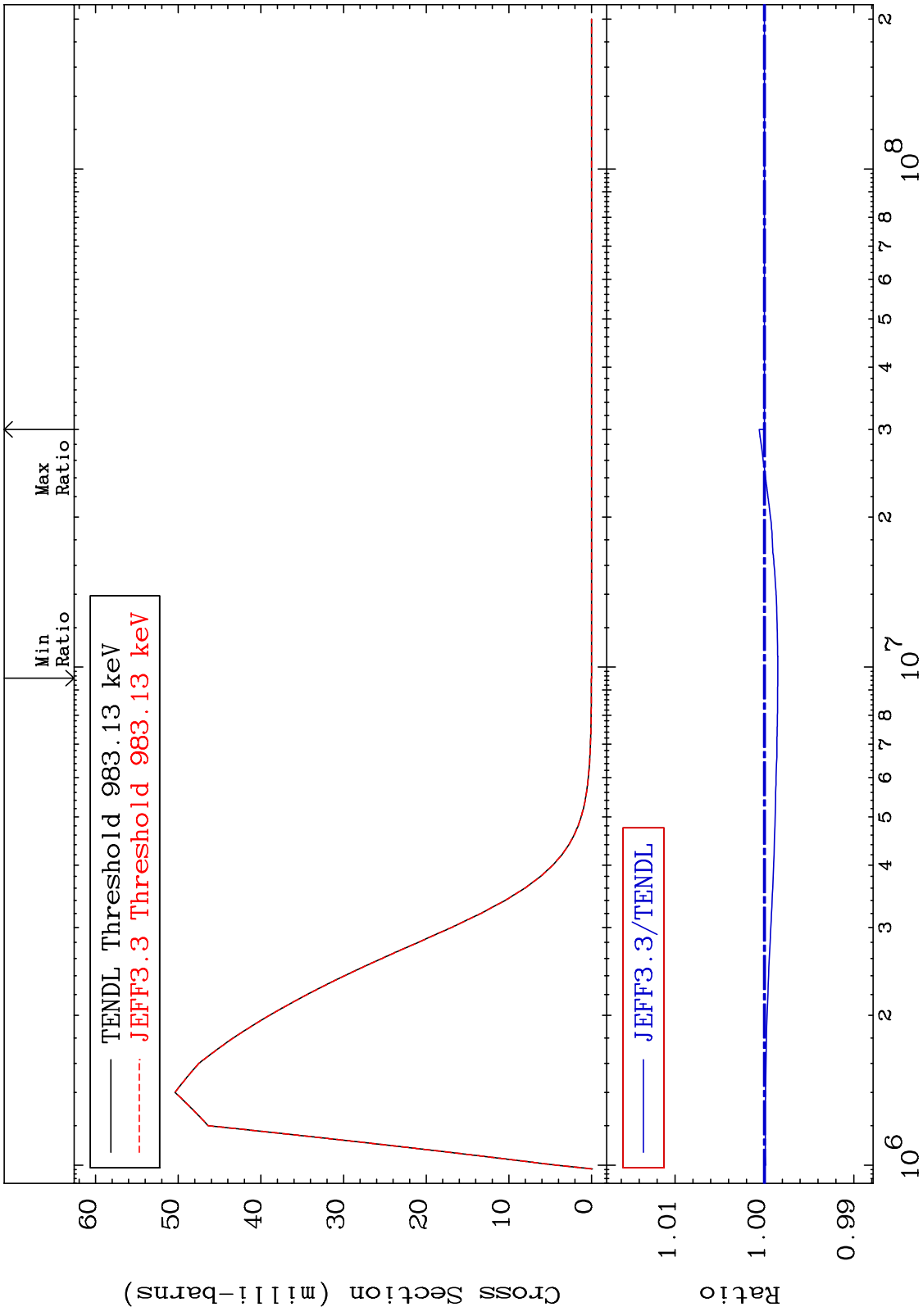


41      Incident Energy (eV)      44-Ru-101

MAT 4440      MT= 73 (n,n') Level Cross Section      44-Ru-101  
-0.281 To 0.000 %

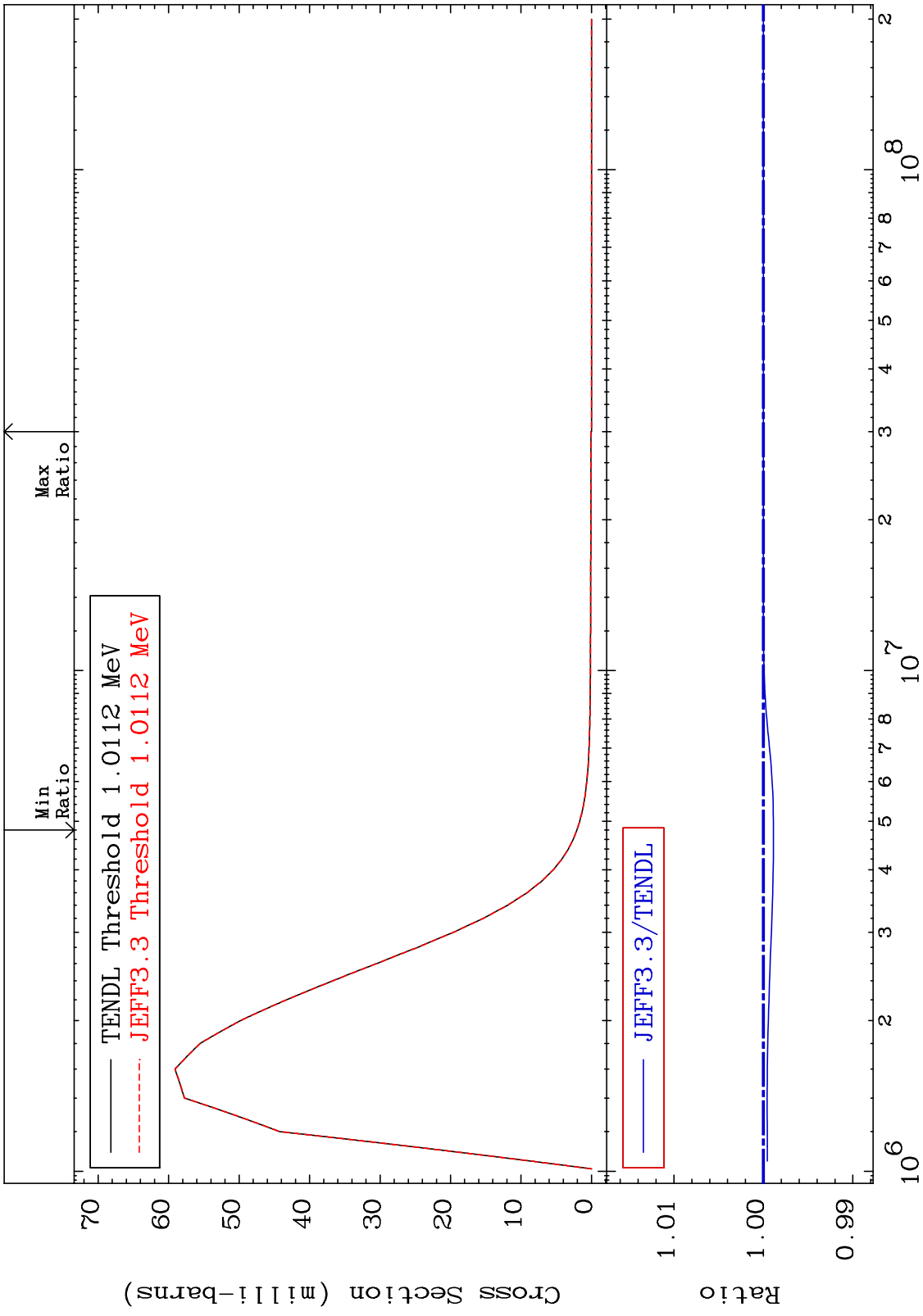


MAT 4440 MT= 74 (n,n') Level Cross Section 44-Ru-101 -0.149 To 0.059 %

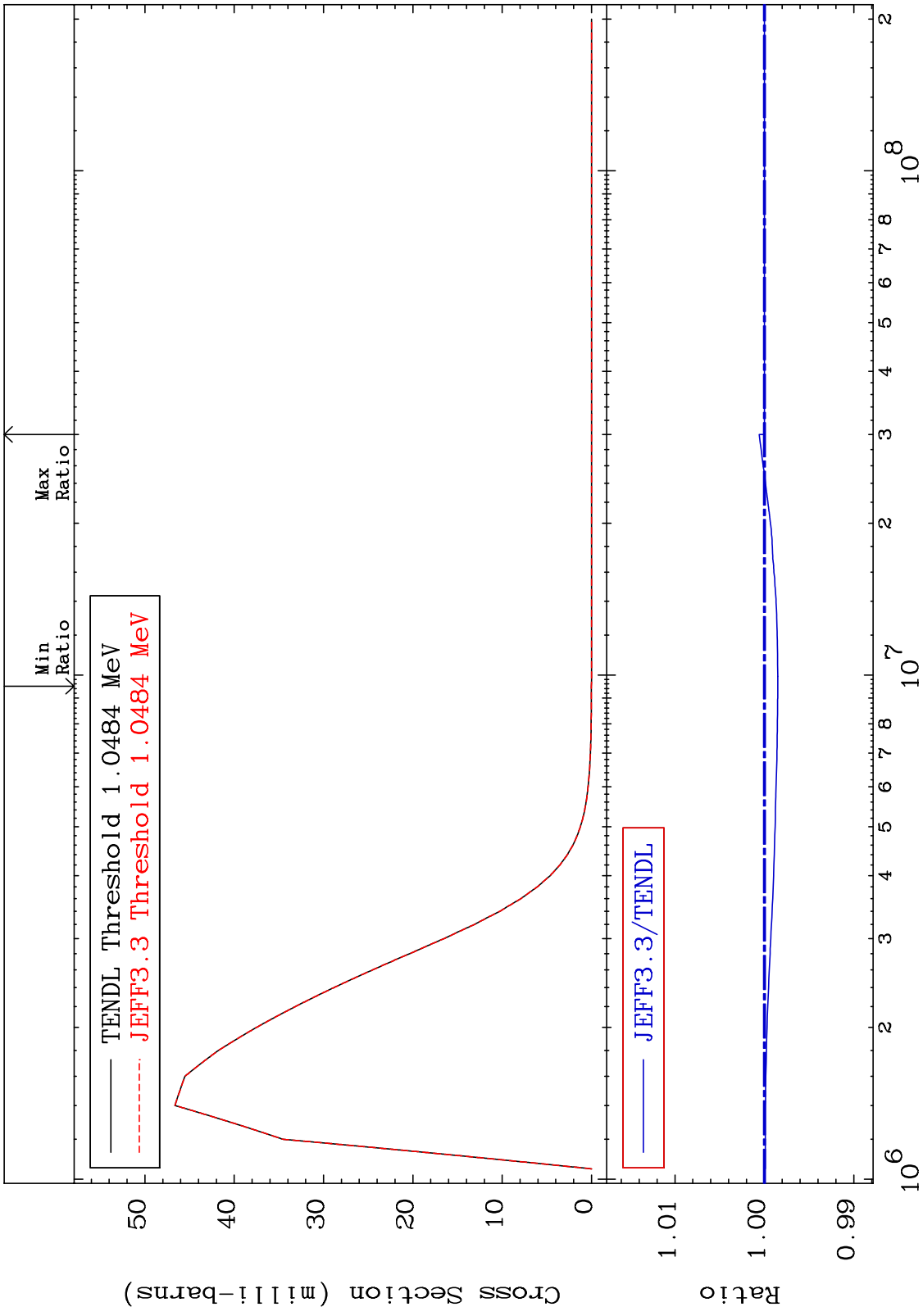


43 44-Ru-101 Incident Energy (eV)

MAT 4440 MT= 75 (n,n') Level Cross Section 44-Ru-101 -0.113 To 0.000 %

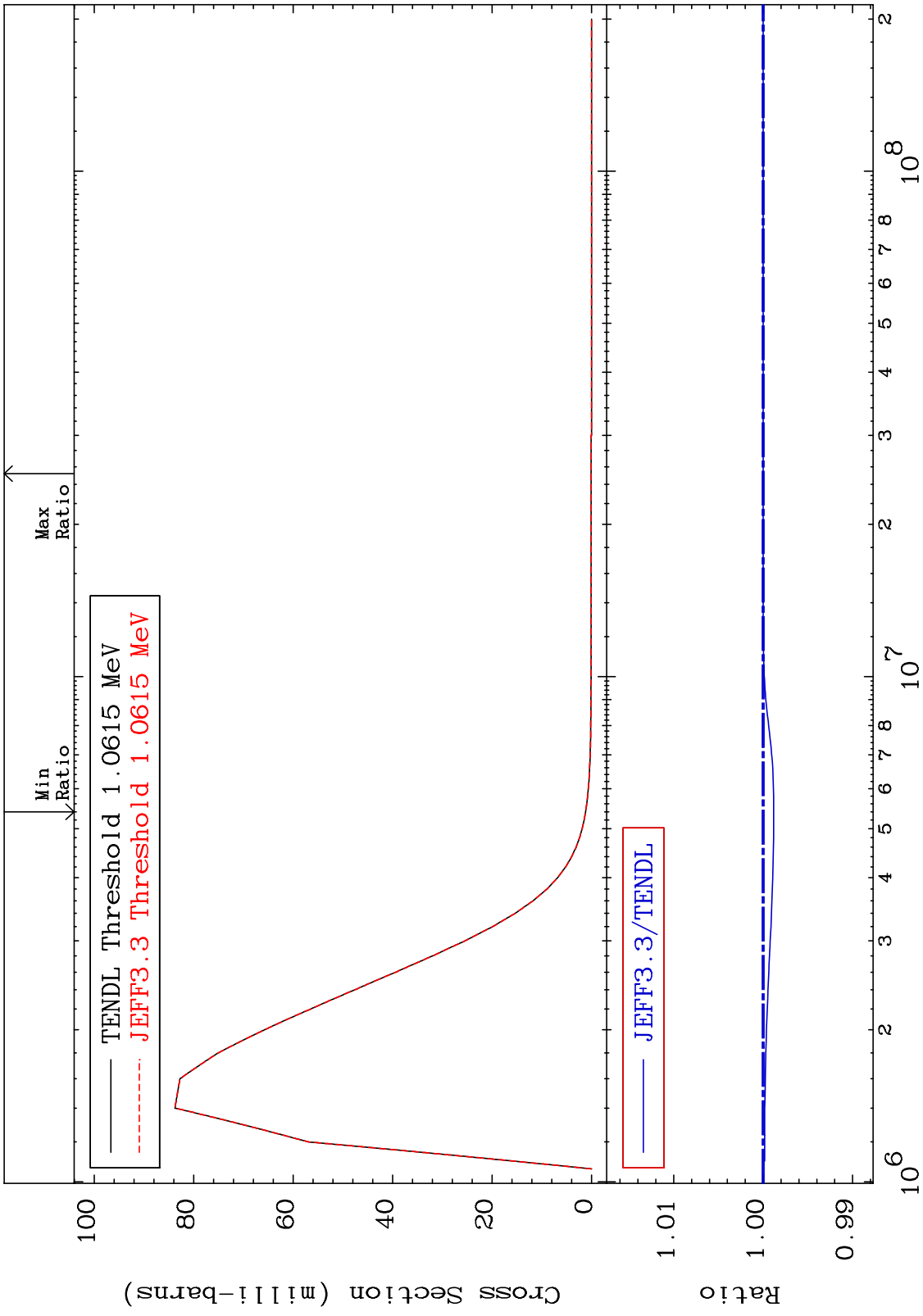


MAT 4440 MT= 76 (n,n') Level Cross Section 44-Ru-101 -0.149 To 0.058 %



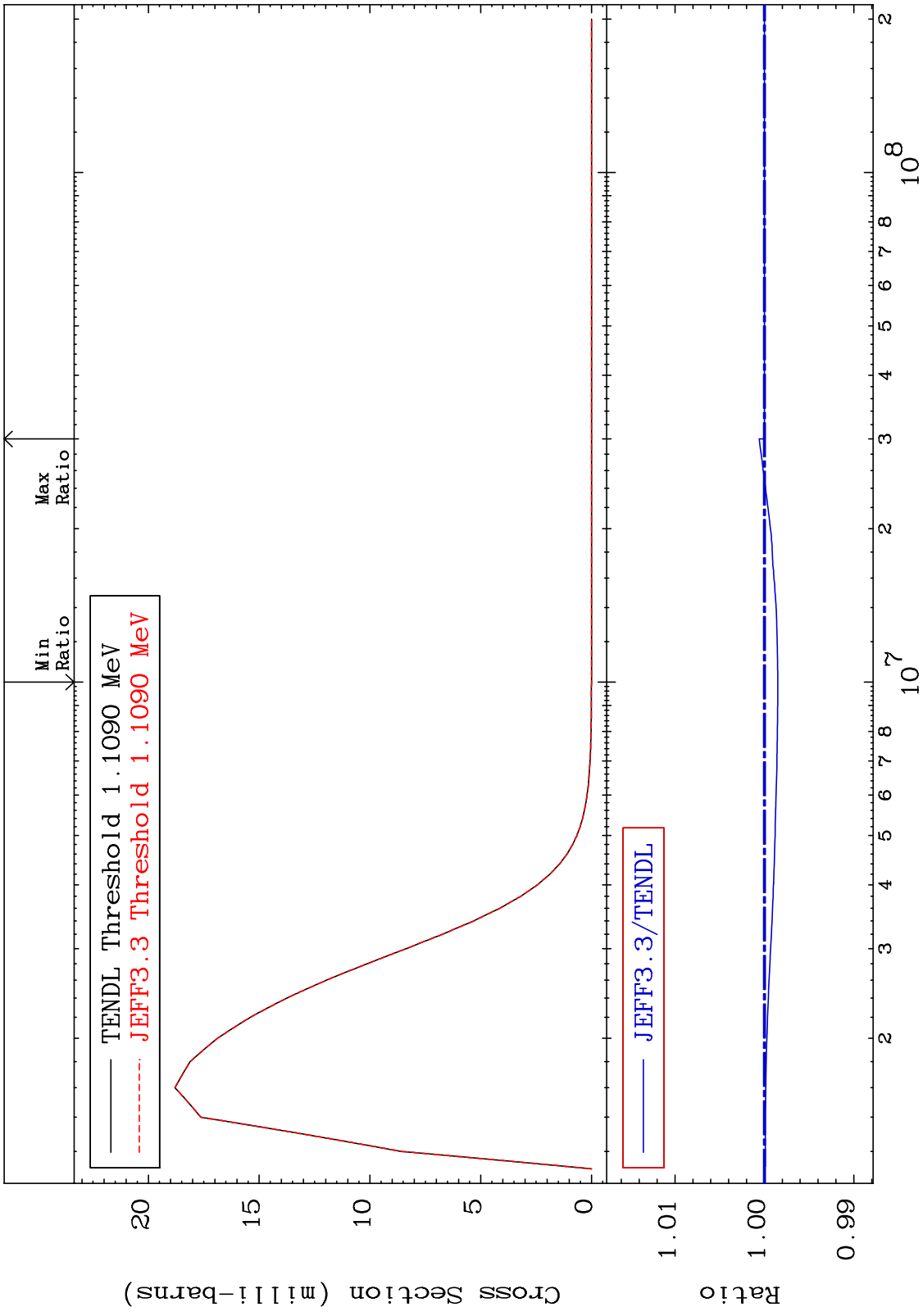
45 44-Ru-101

MAT 4440      MT= 77 (n,n') Level Cross Section      44-Ru-101  
-0.118 To 0.000 %



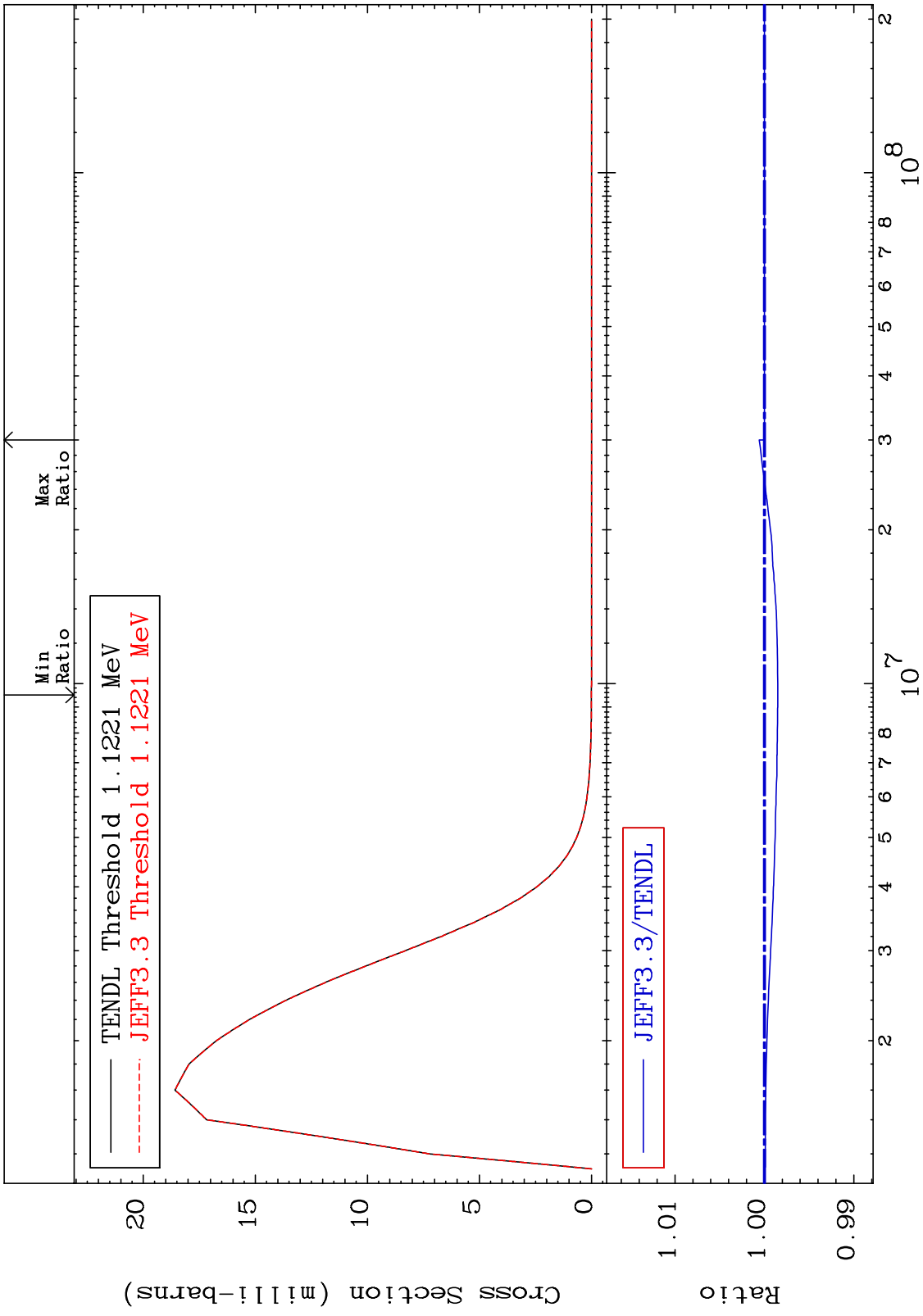
46      Incident Energy (eV)      44-Ru-101

MAT 4440 MT= 78 (n,n') Level Cross Section 44-Ru-101 -0.149 To 0.059 %

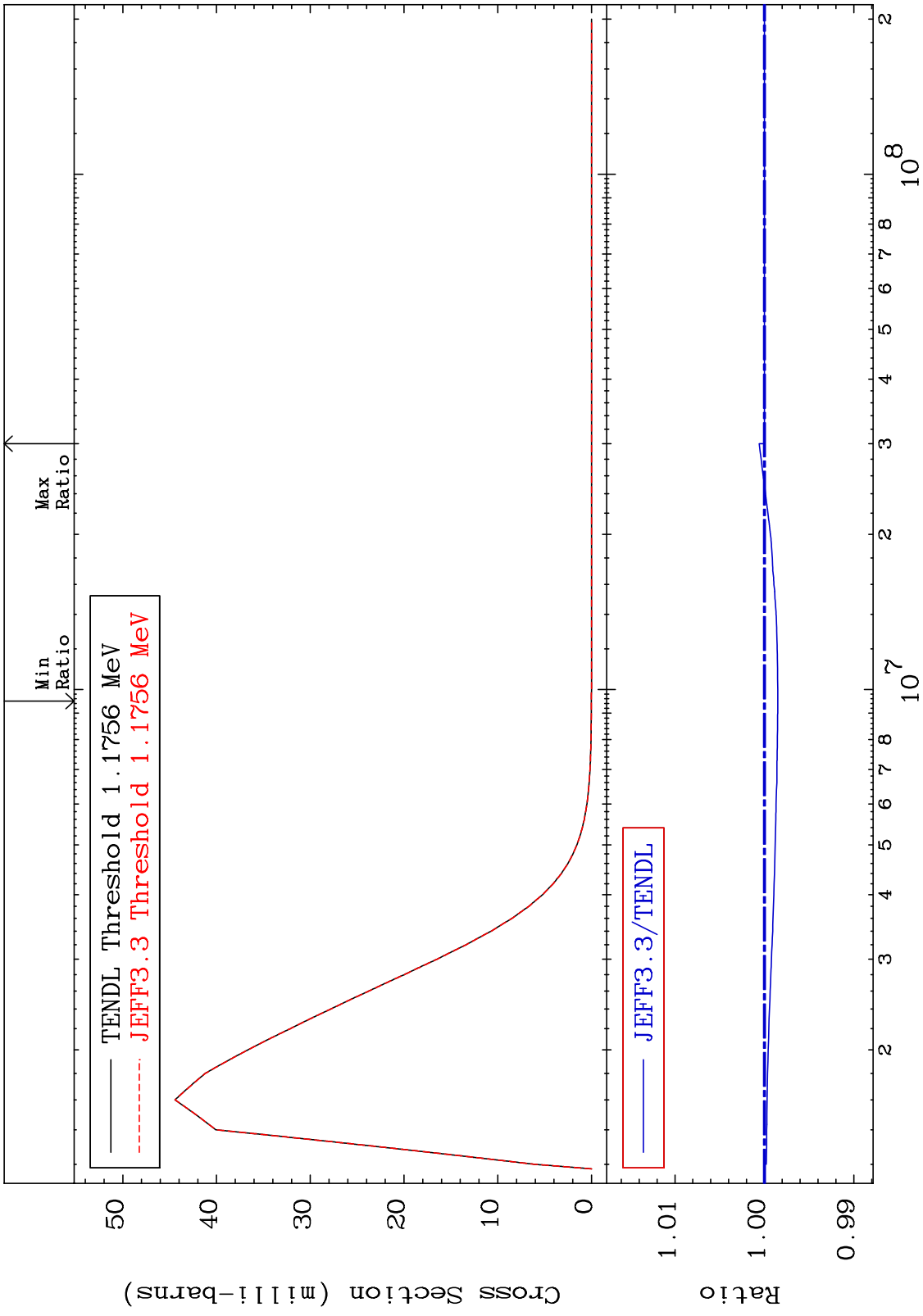




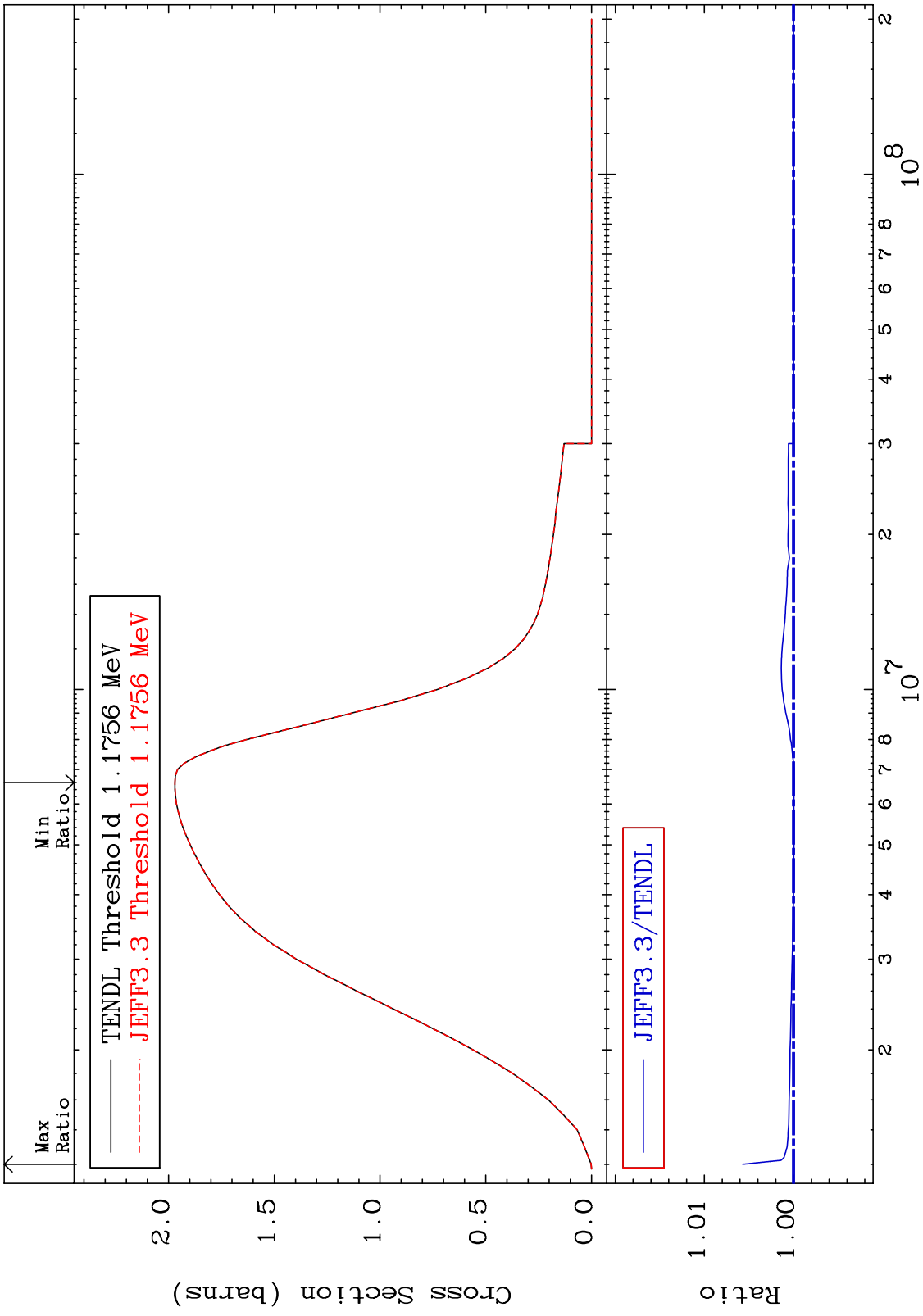
MAT 4440 MT= 79 (n,n') Level Cross Section 44-Ru-101 -0.149 To 0.059 %



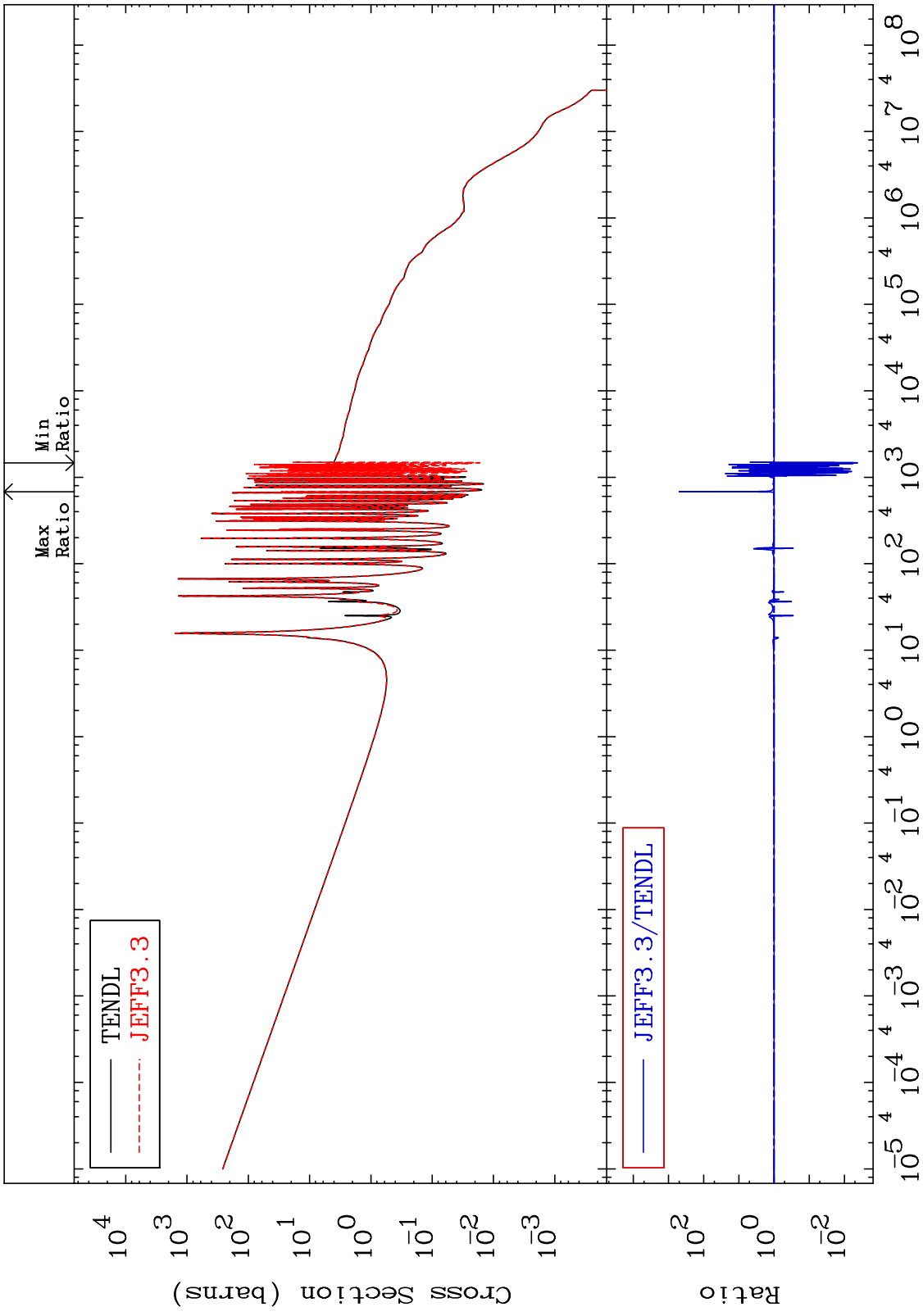
MAT 4440 MT= 80 (n,n') Level Cross Section 44-Ru-101 -0.150 To 0.059 %



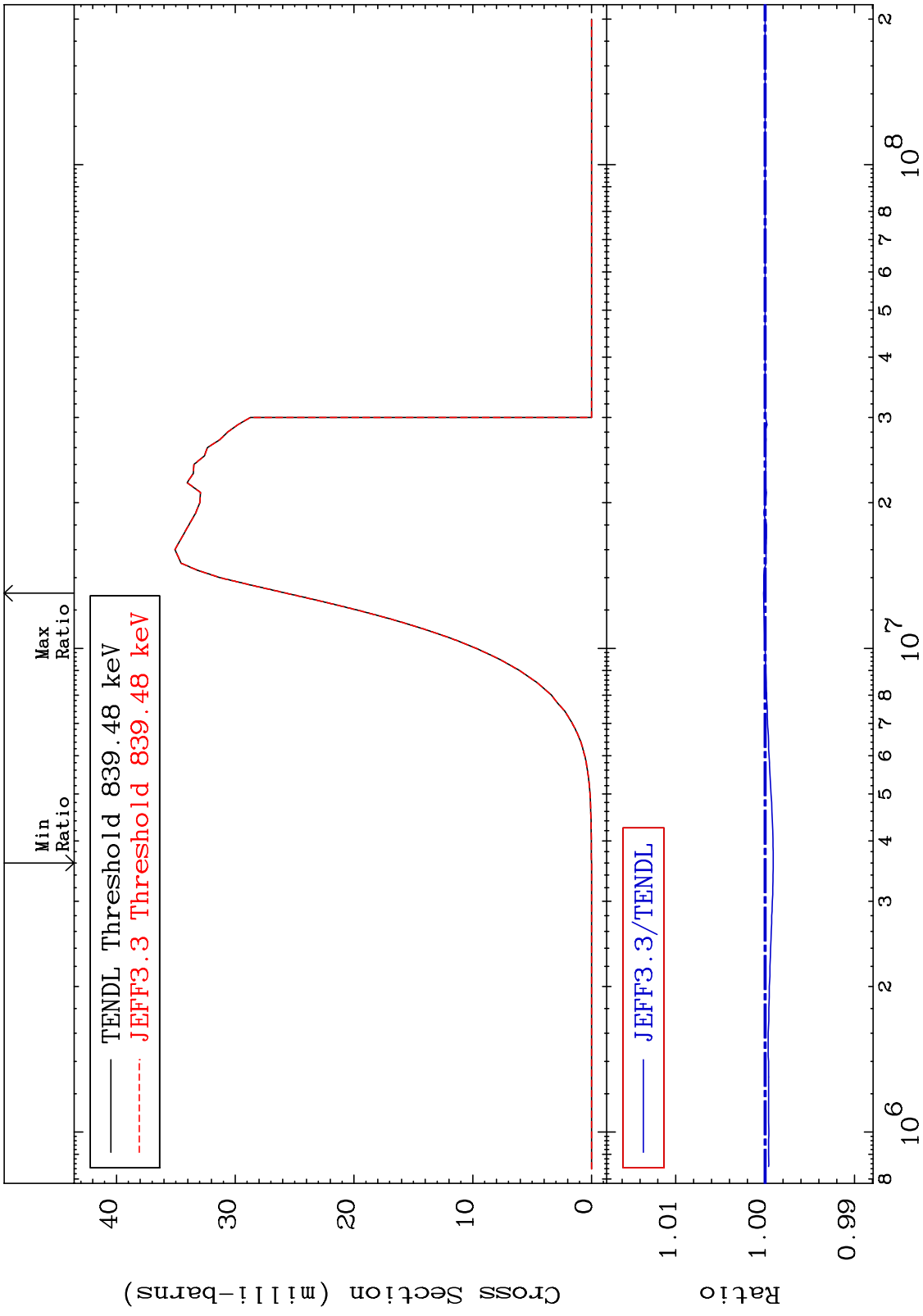
MAT 4440 (n,n') Continuum Cross Section 44-Ru-101 -0.007 To 0.570 %



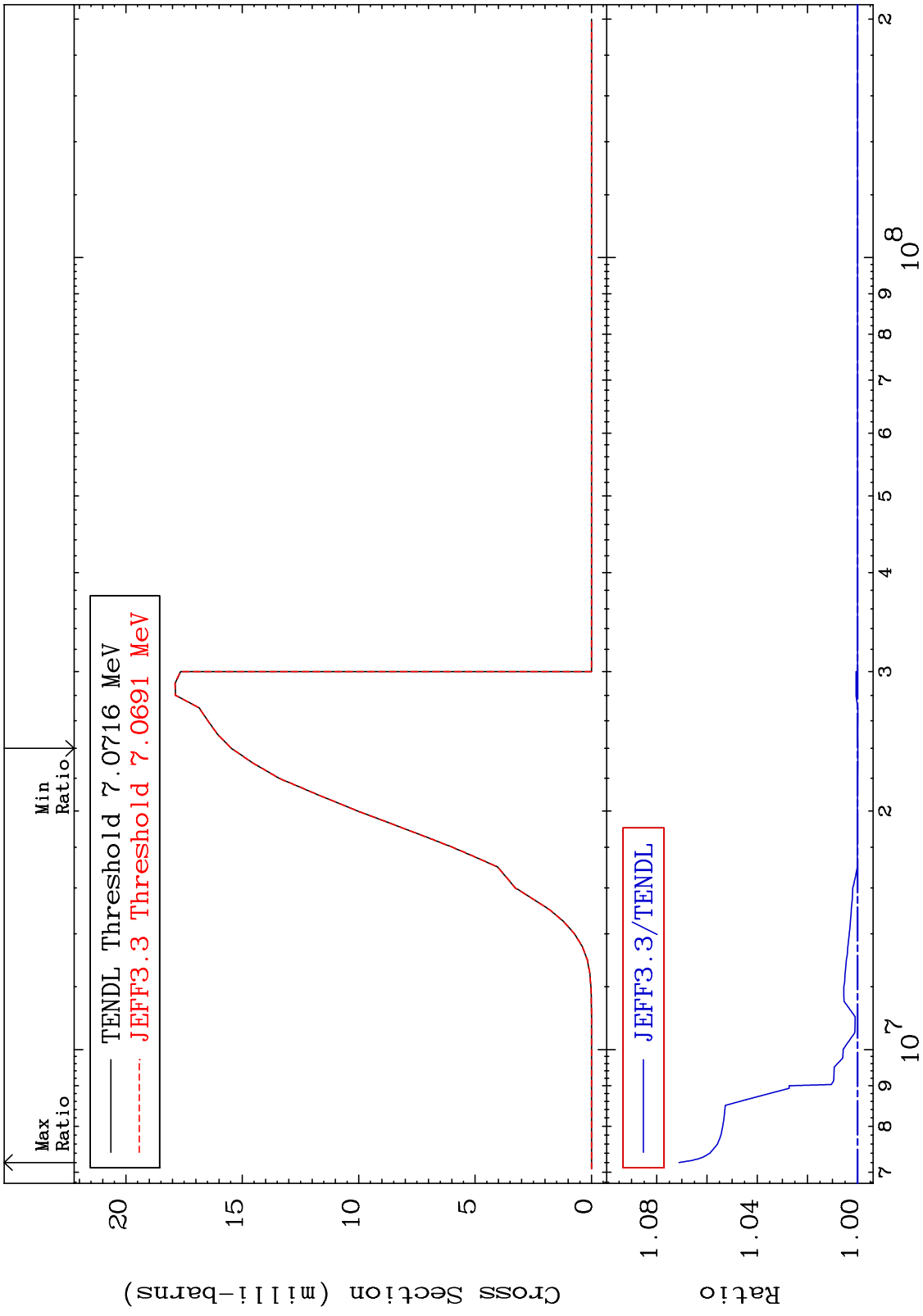
MAT 4440  $(n, \gamma)$  Cross Section 44-Ru-101 -99.59 To 9999. %

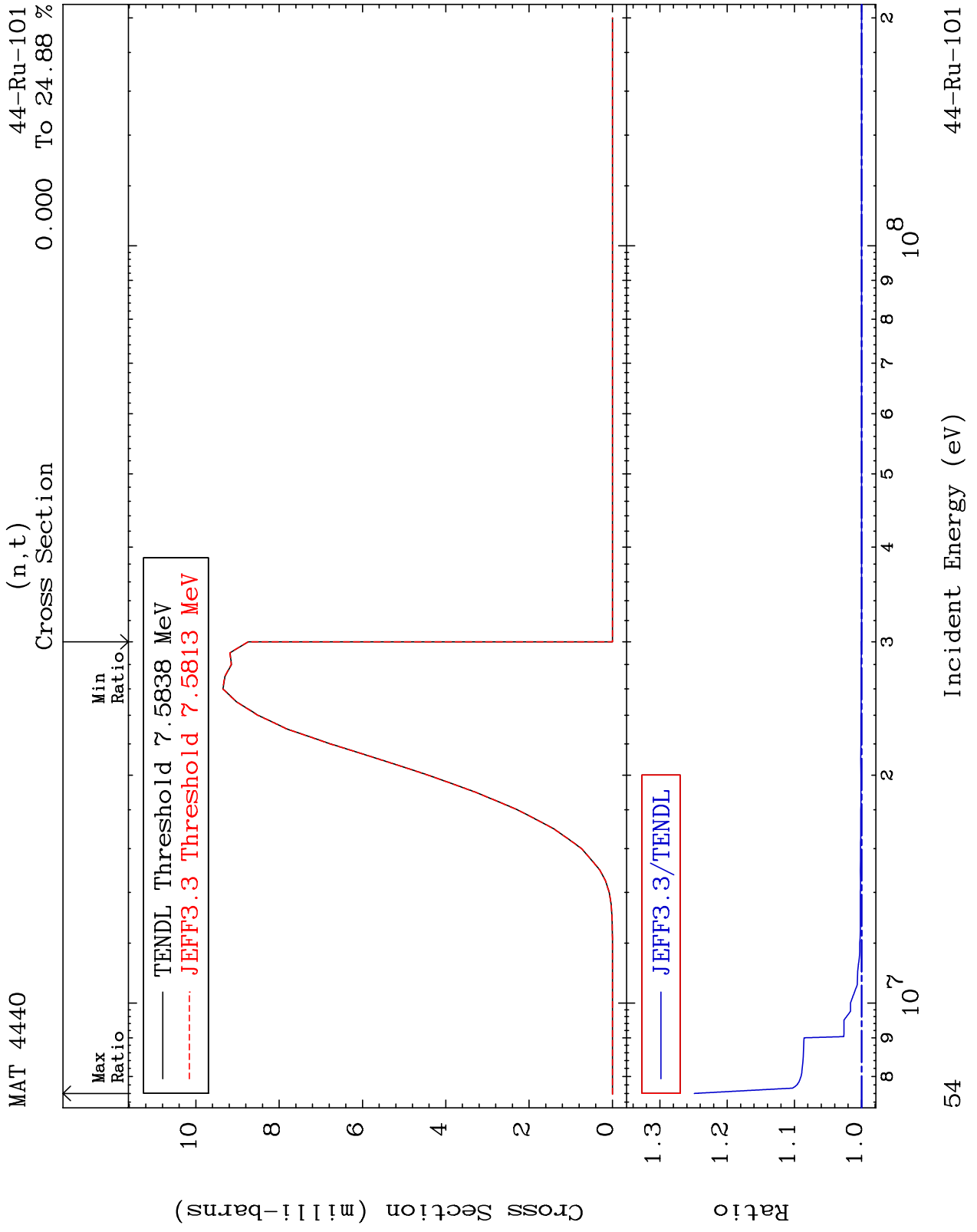


MAT 4440 (n,p) Cross Section 44-Ru-101 -0.090 To 0.017 %

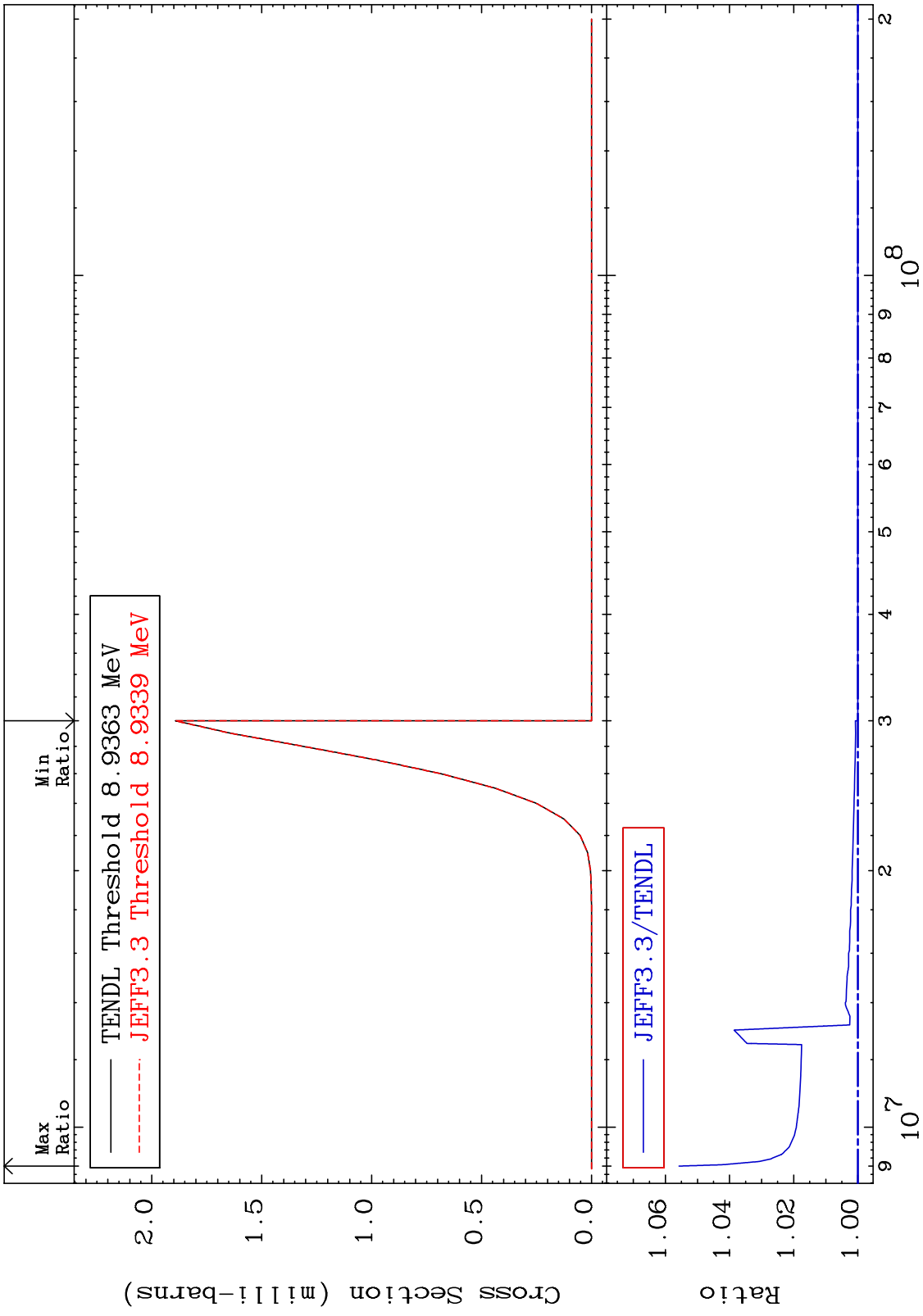


MAT 4440 (n,d) Cross Section 44-Ru-101 -0.008 To 7.111 %

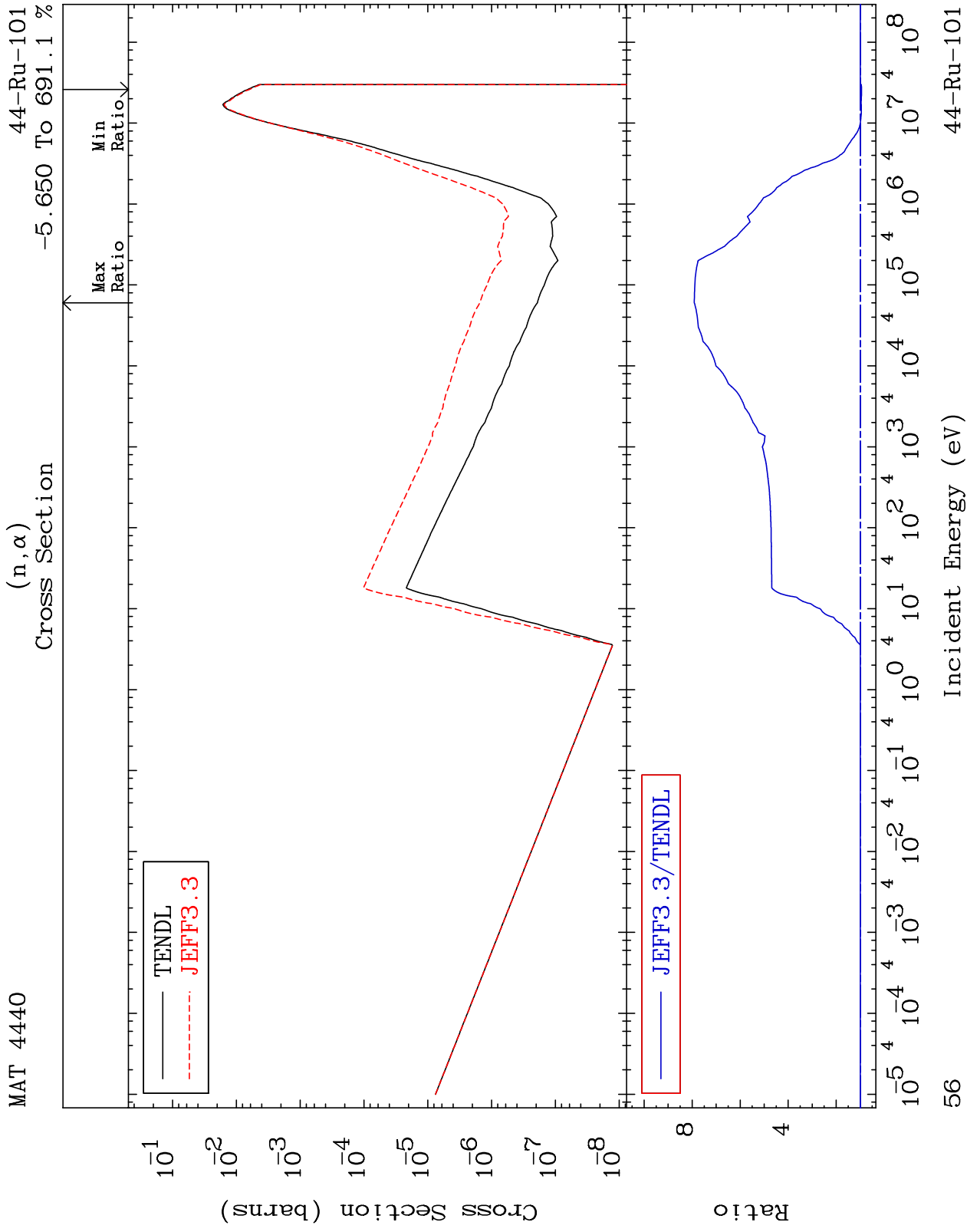




MAT 4440 (n, He-3) Cross Section 44-Ru-101 To 5.575 %







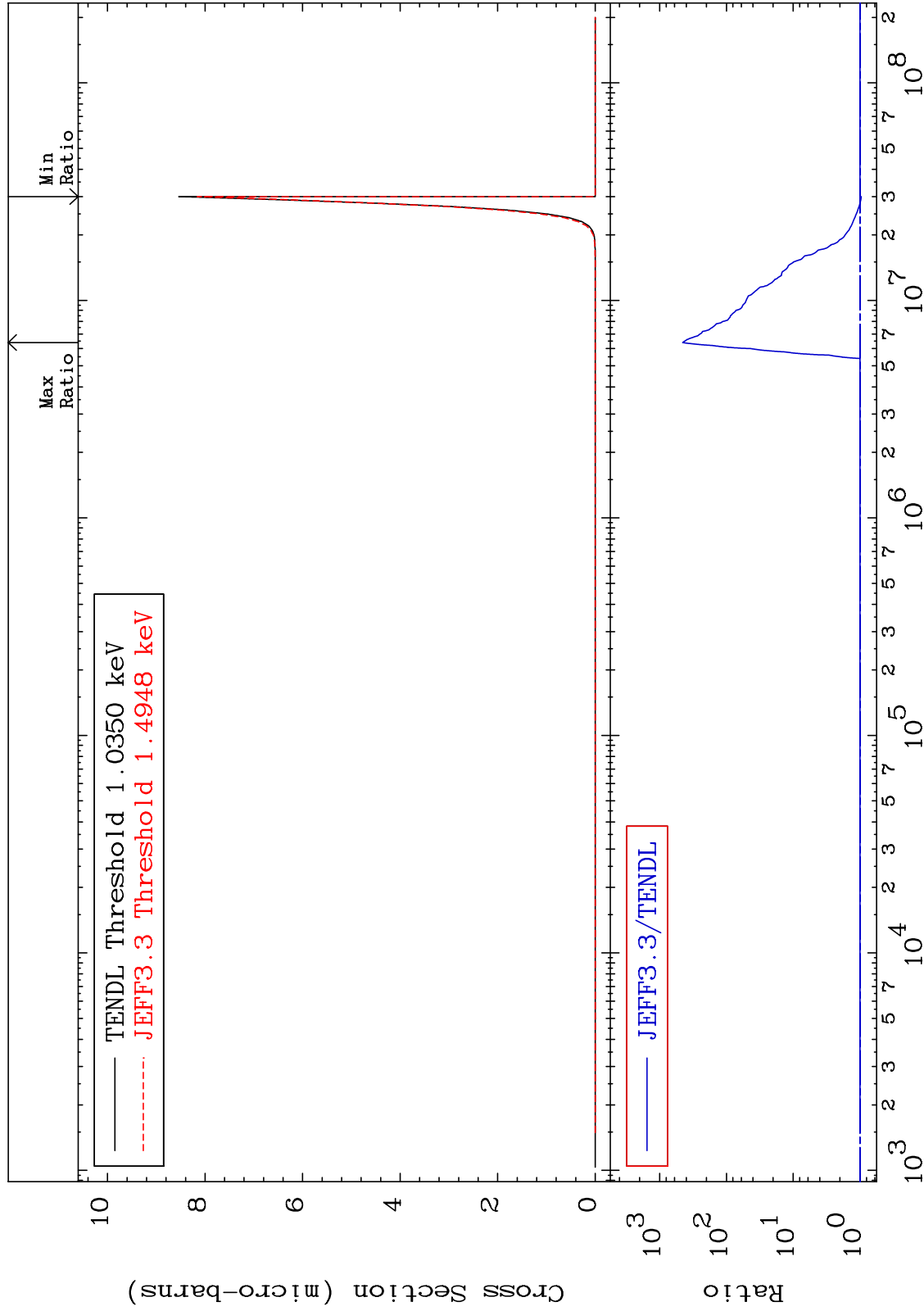
MAT 4440

(n,2α)

44-Ru-101

Cross Section

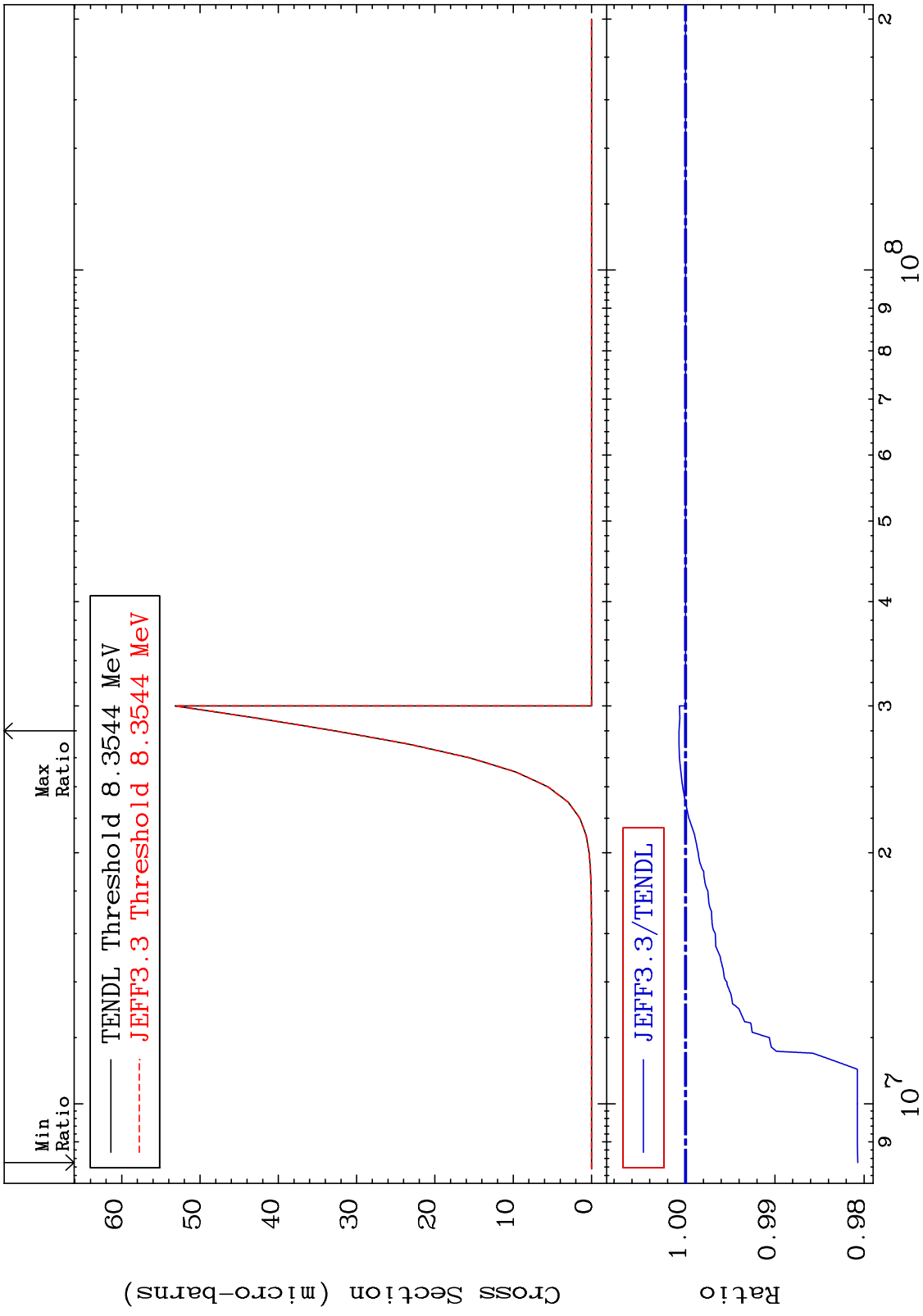
-4.465 To 9999. %



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44-Ru-101

MAT 4440 (n,2p) Cross Section 44-Ru-101 -1.929 To 0.072 %



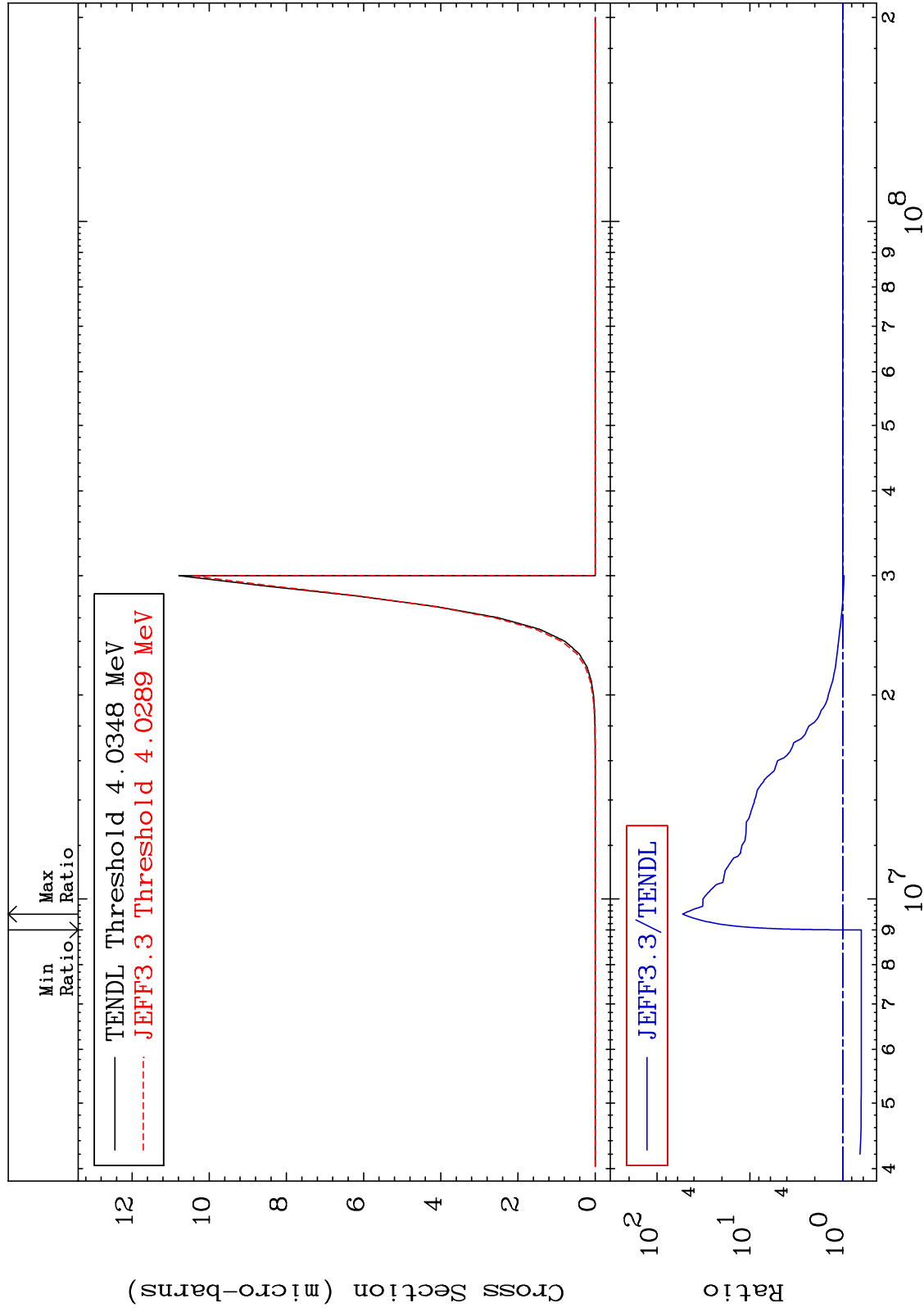
MAT 4440

(n,p)  $\alpha$

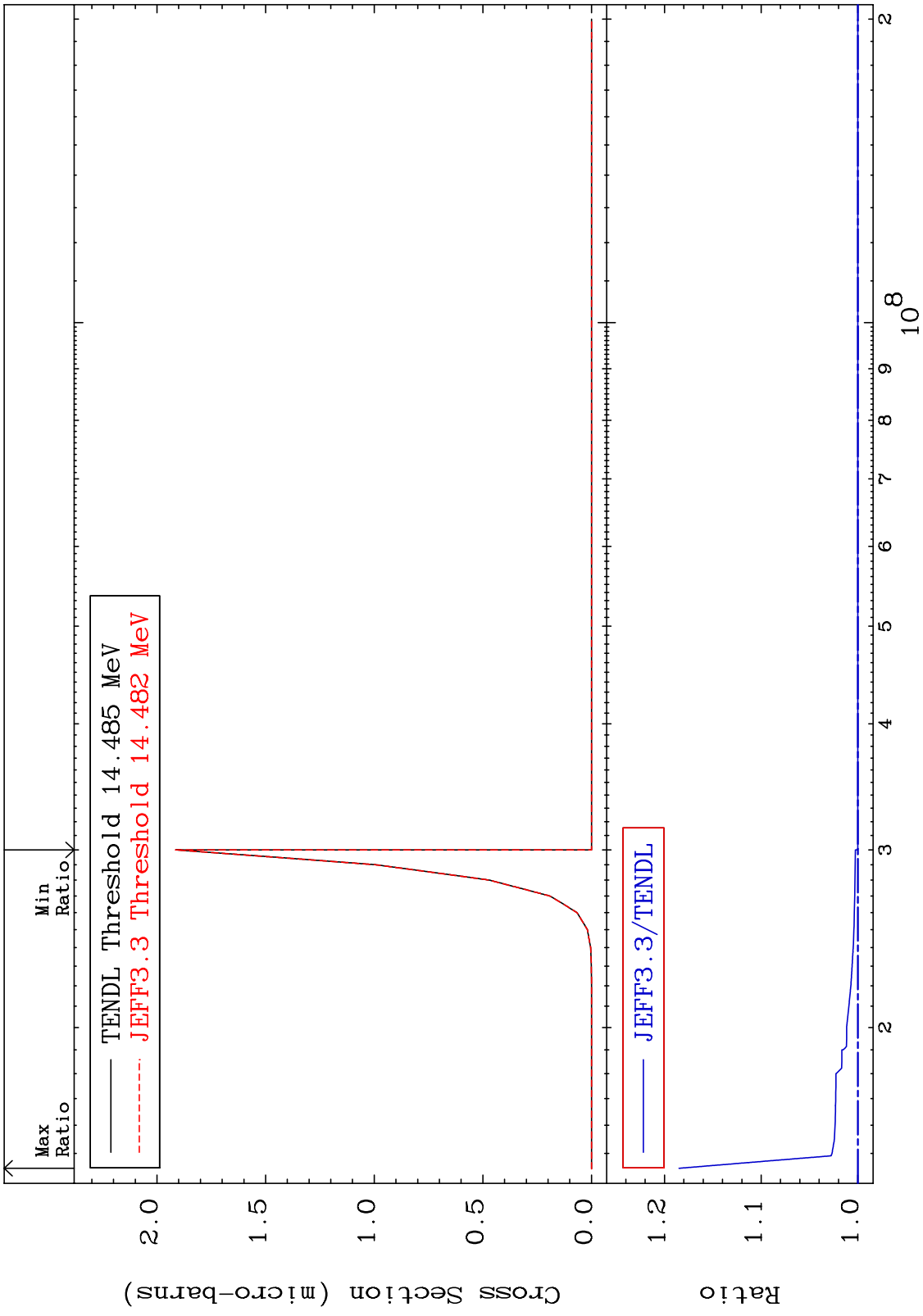
44-Ru-101

Cross Section

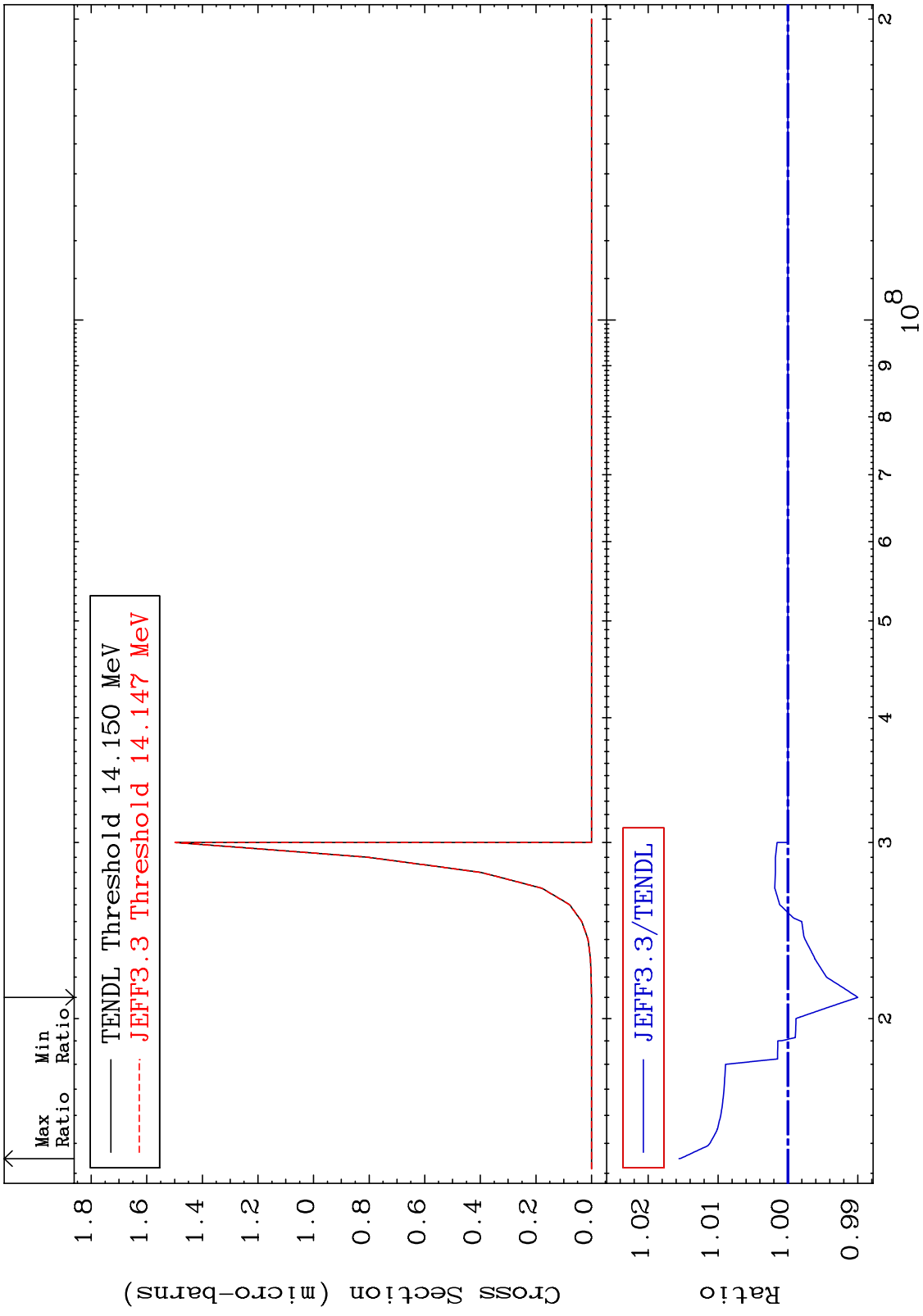
-37.01 To 5187. %



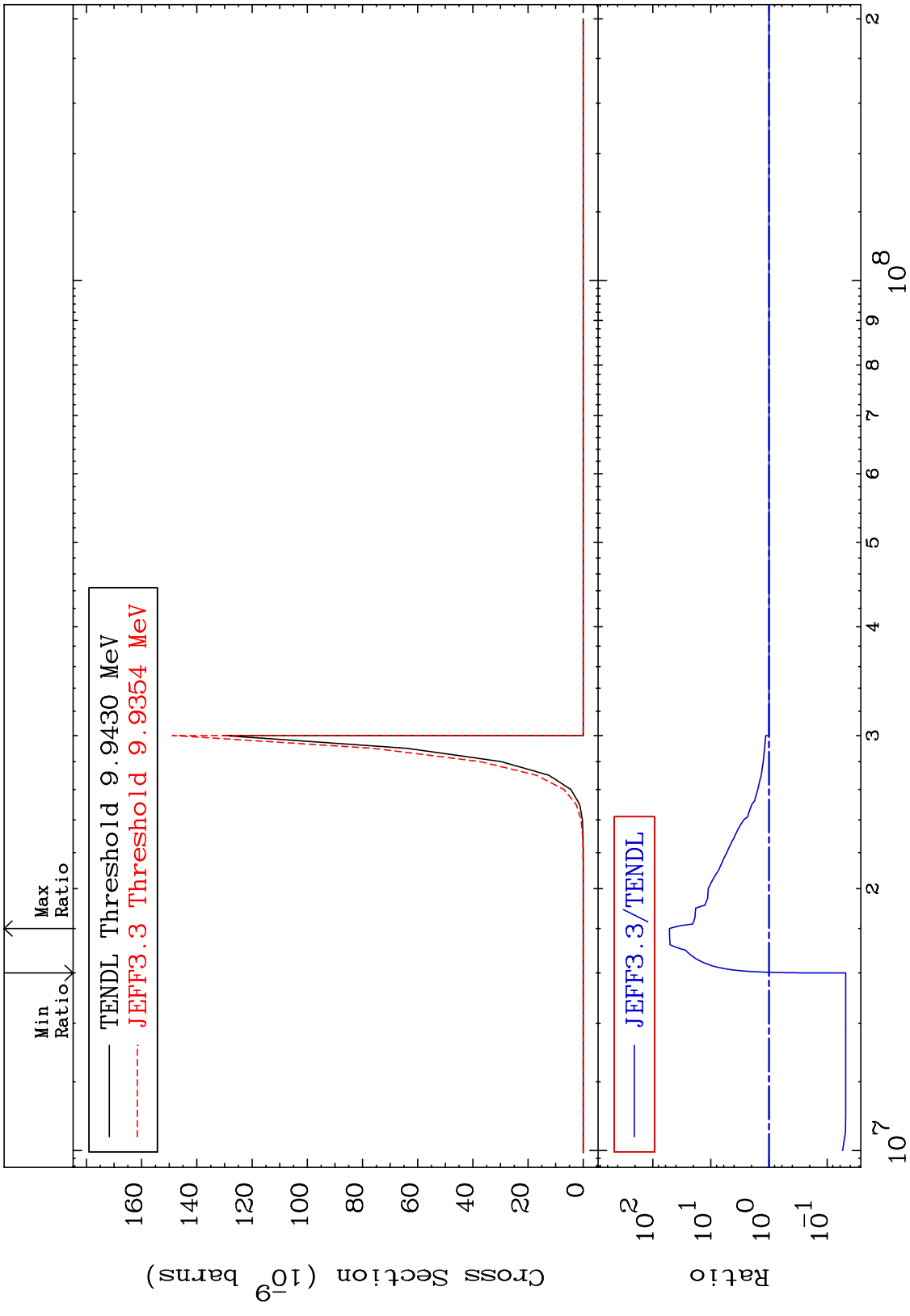
MAT 4440 (n,p) d 44-Ru-101  
Cross Section 0.000 To 18.49 %



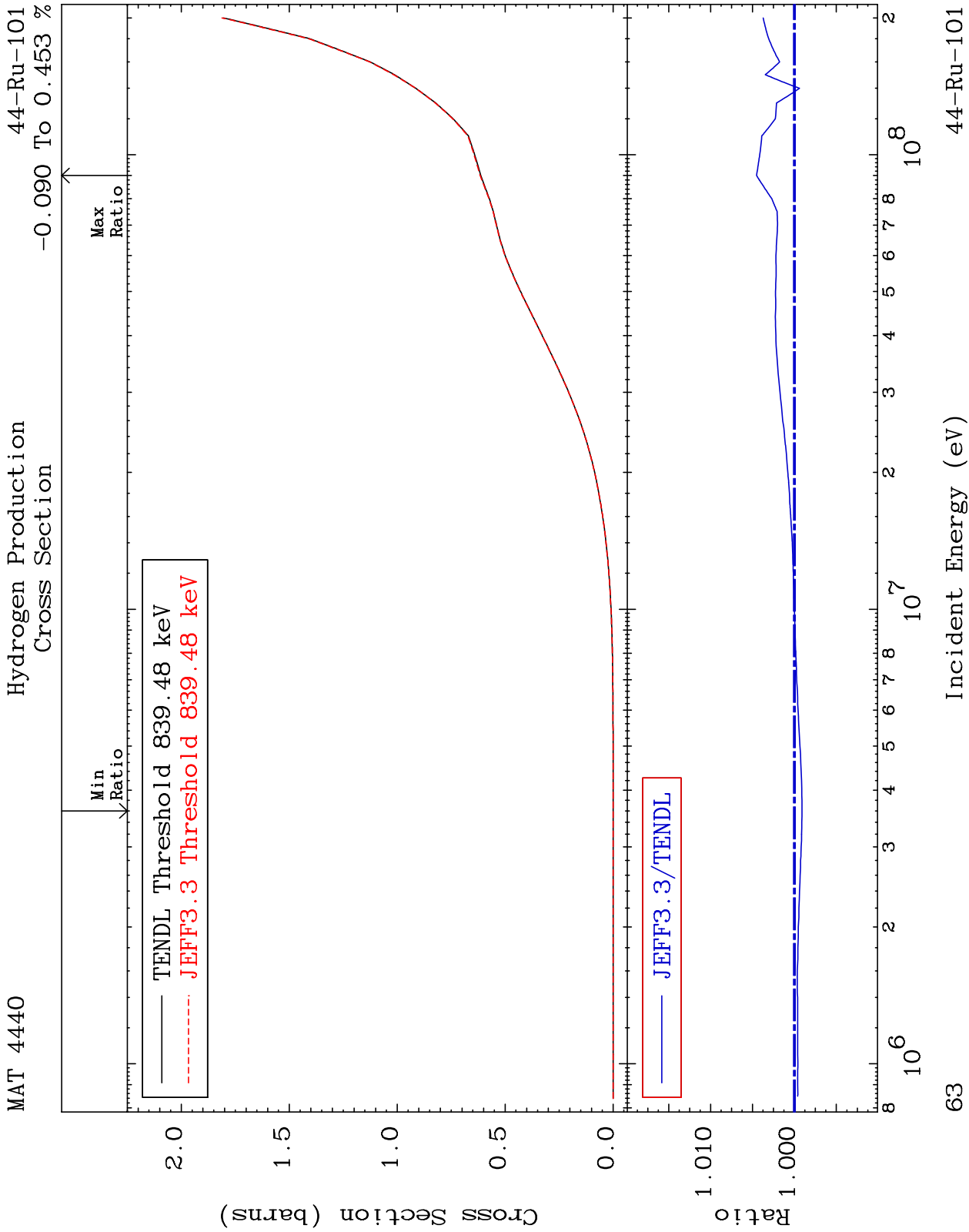
MAT 4440 (n,p) t 44-Ru-101  
 Cross Section -1.000 To 1.558 %



MAT 4440 (n,d)  $\alpha$  44-Ru-101  
 Cross Section -95.21 To 5051. %

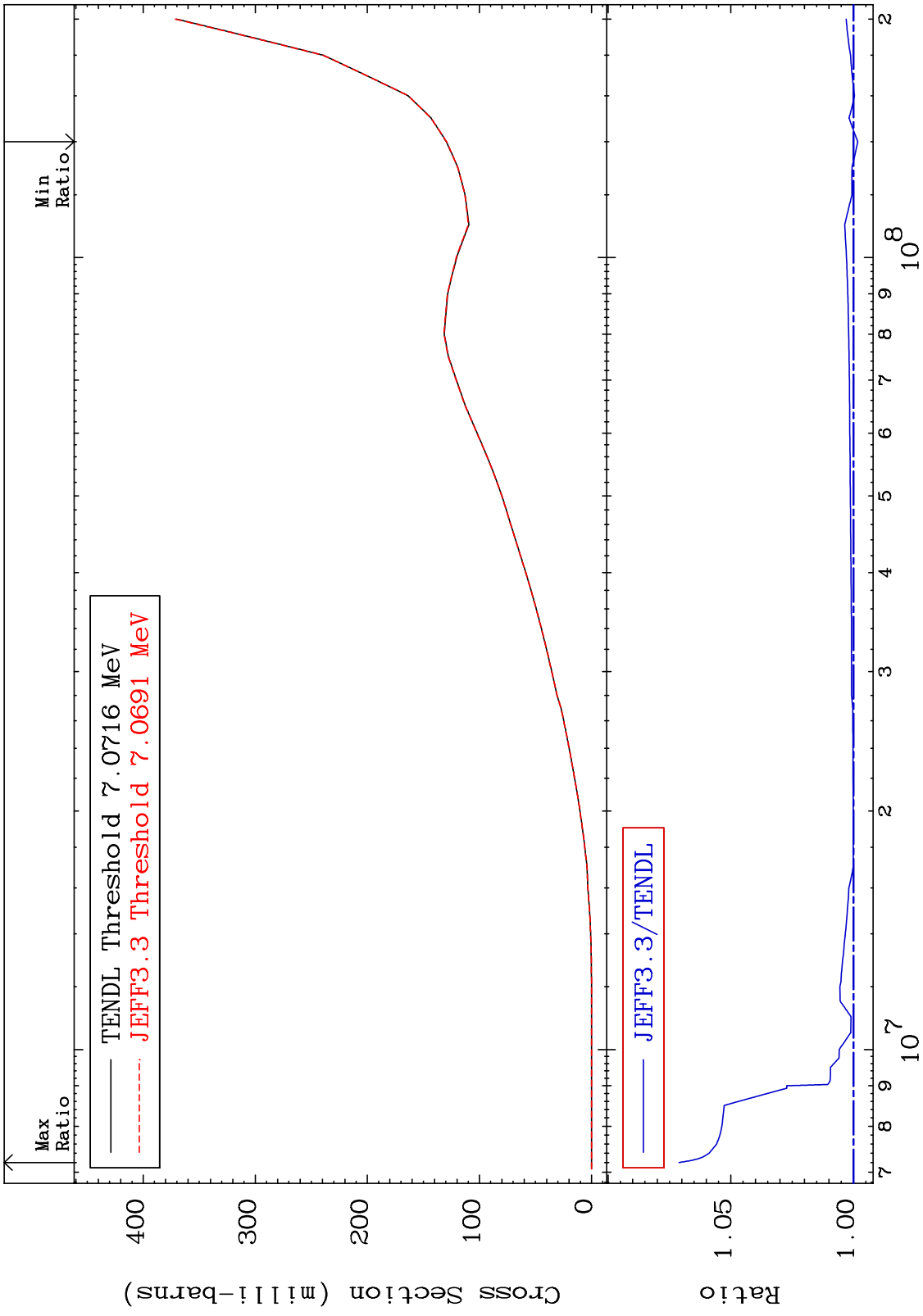


62 44-Ru-101 Incident Energy (eV)



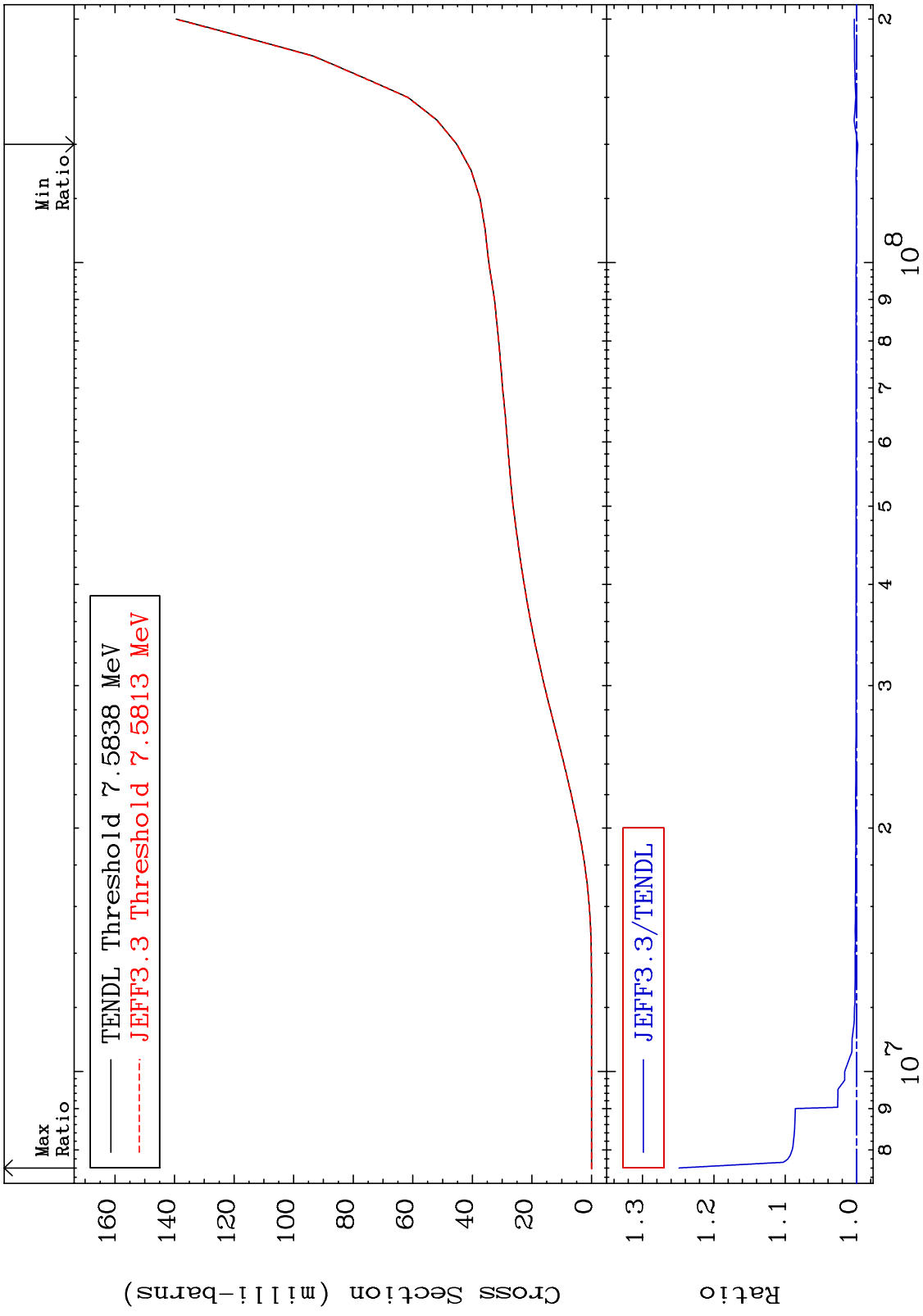


MAT 4440 Deuterium Production Cross Section 44-Ru-101 -0.176 To 7.111 %



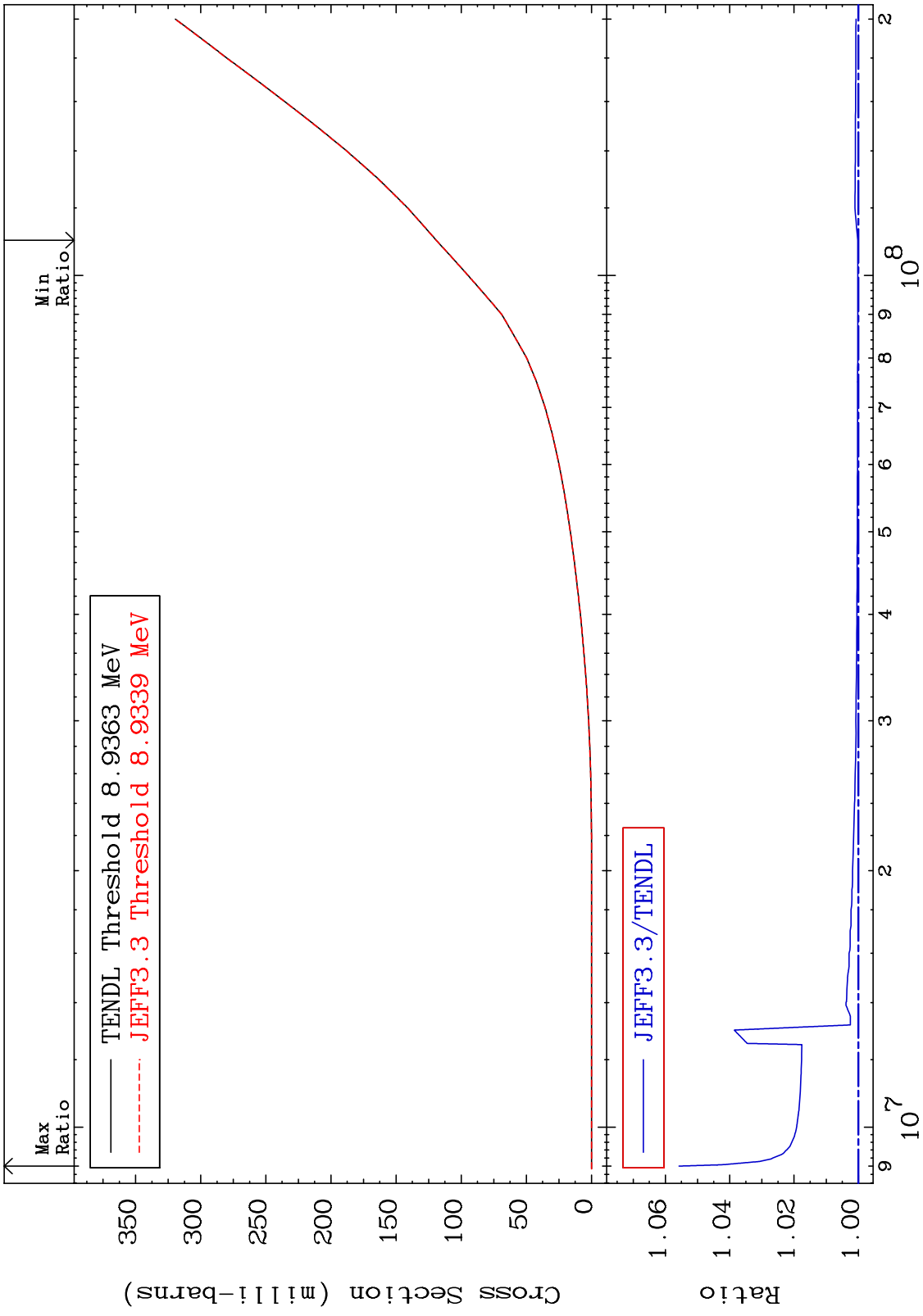
64 44-Ru-101

MAT 4440 Tritium Production Cross Section 44-Ru-101  
 -0.191 To 24.88 %



65 44-Ru-101

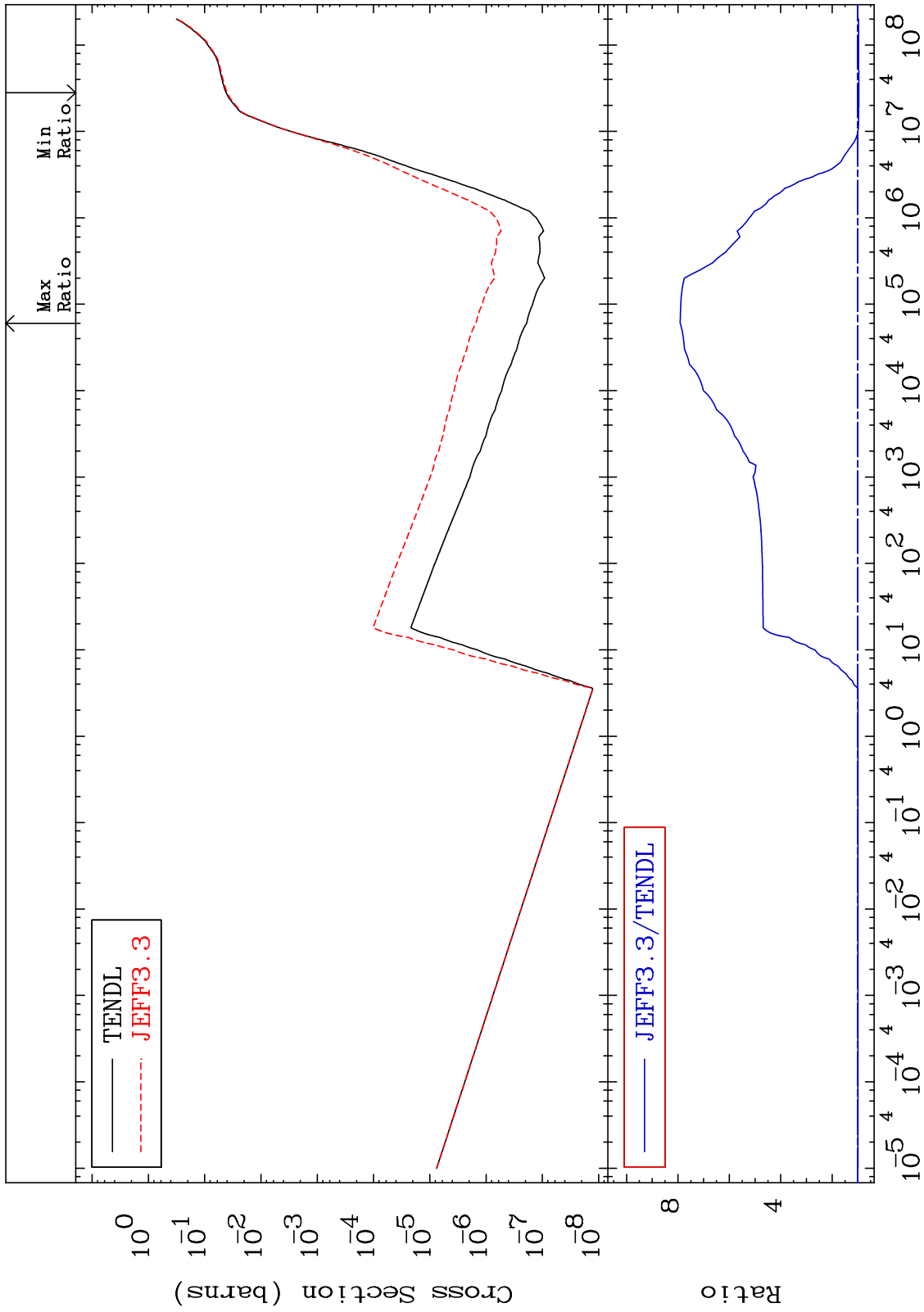
MAT 4440 He-3 Production Cross Section 44-Ru-101 To 5.575 %



MAT 4440

He-4 Production  
Cross Section

44-Ru-101  
-4.115 To 691.1 %

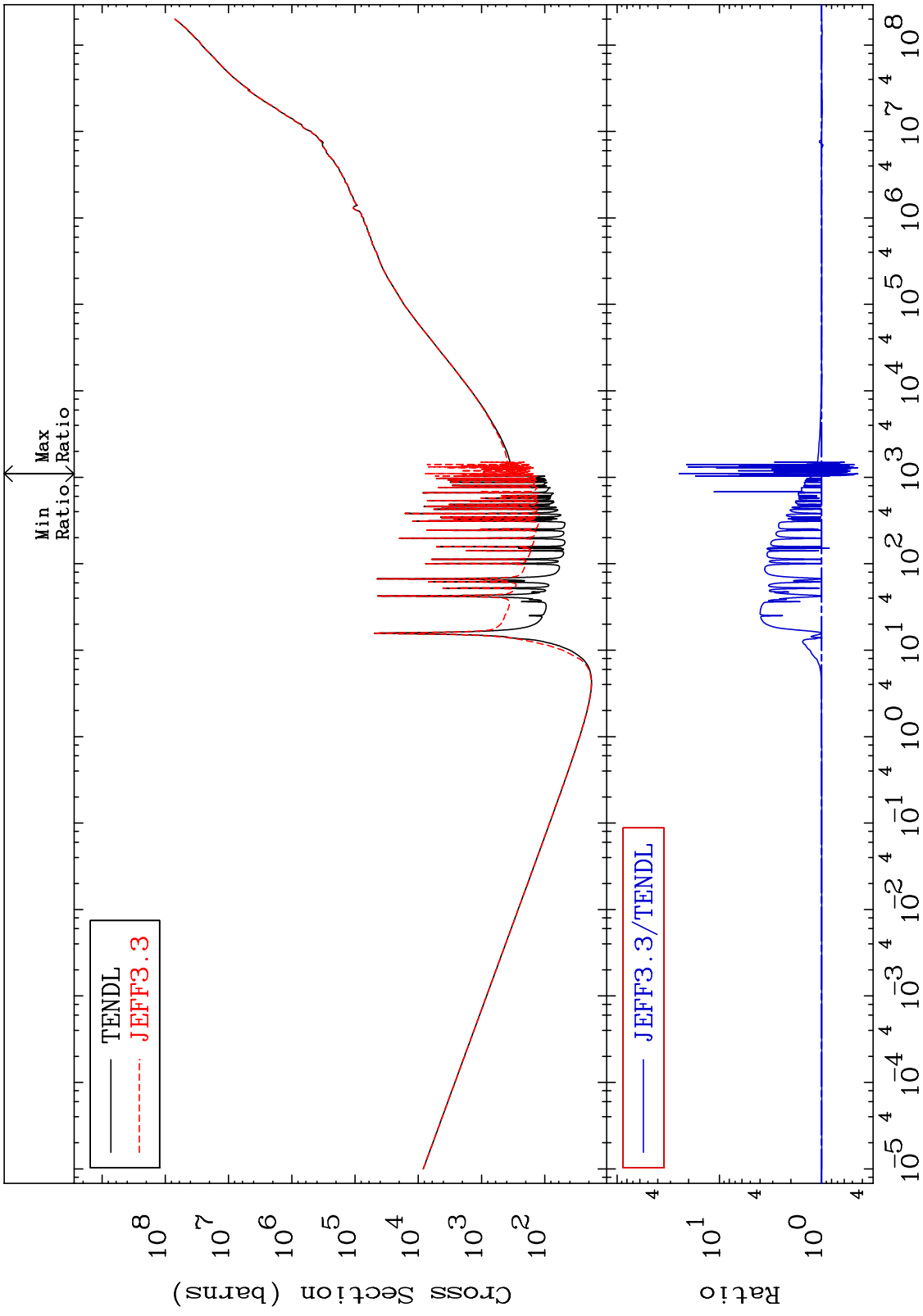


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Incident Energy (eV)

44-Ru-101

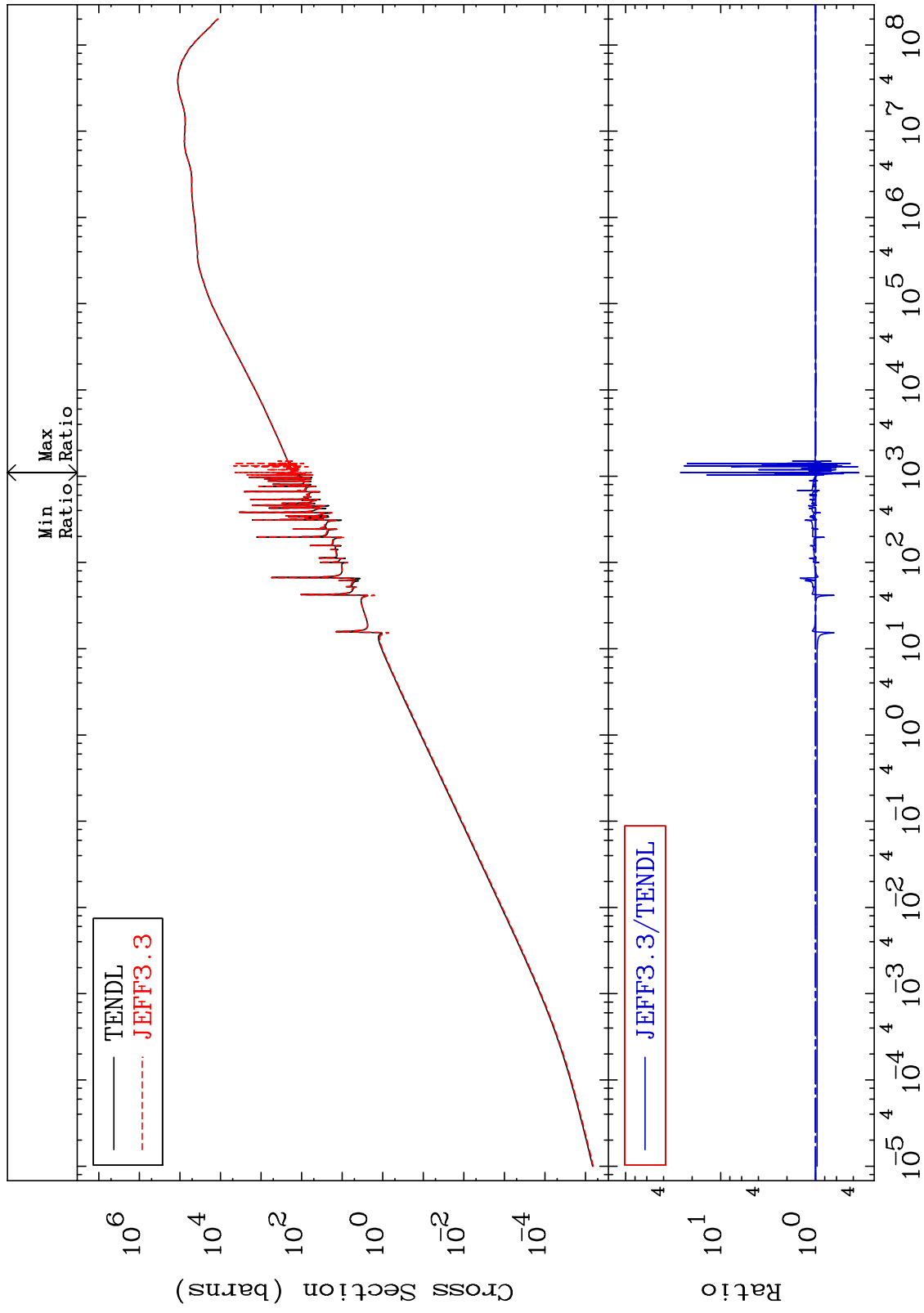
MAT 4440 Kerma total (eV-barns) 44-Ru-101  
Cross Section -55.77 To 2378. %



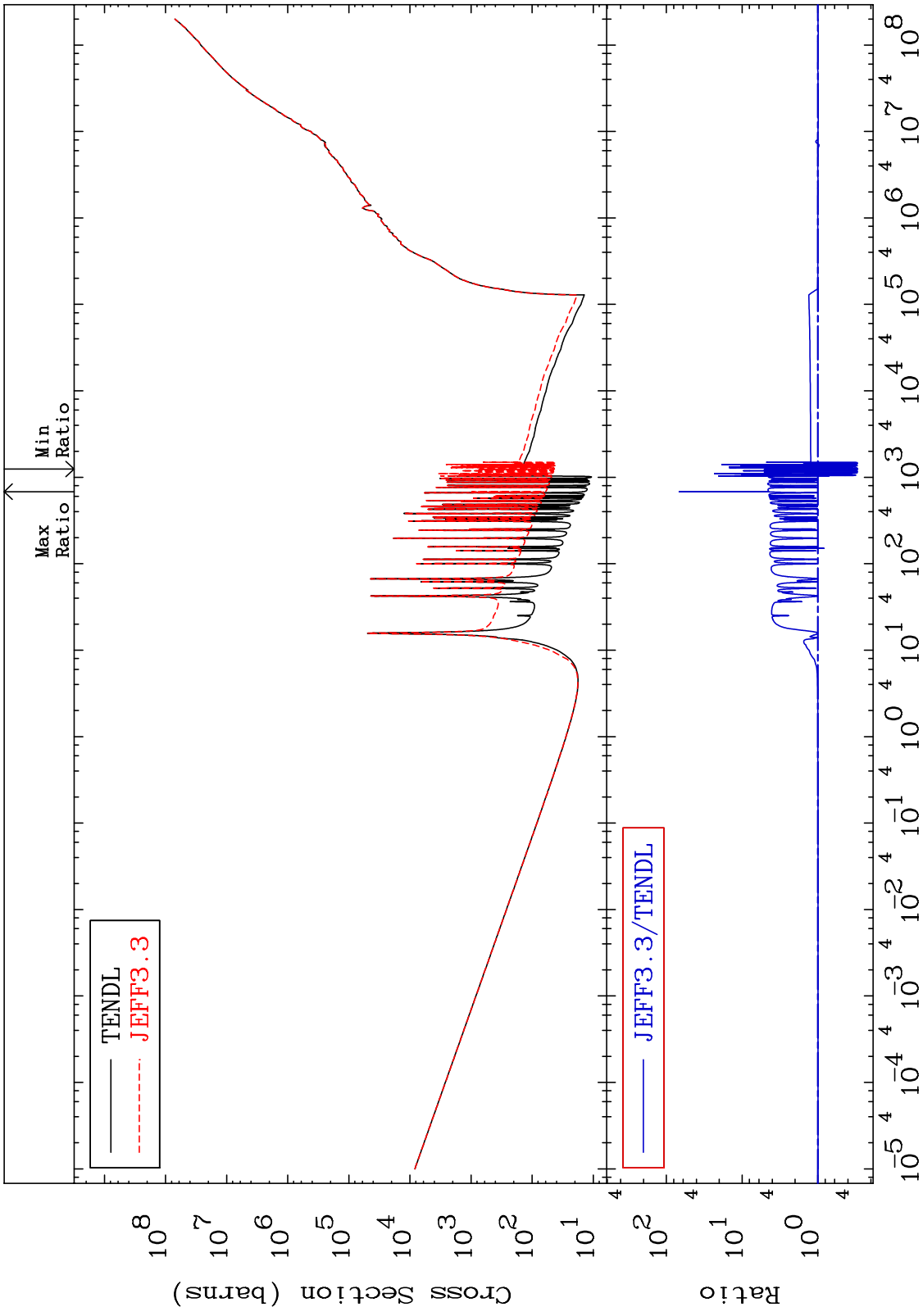
MAT 4440

Kerma elastic  
Cross Section

44-Ru-101  
-65.20 To 2537. %

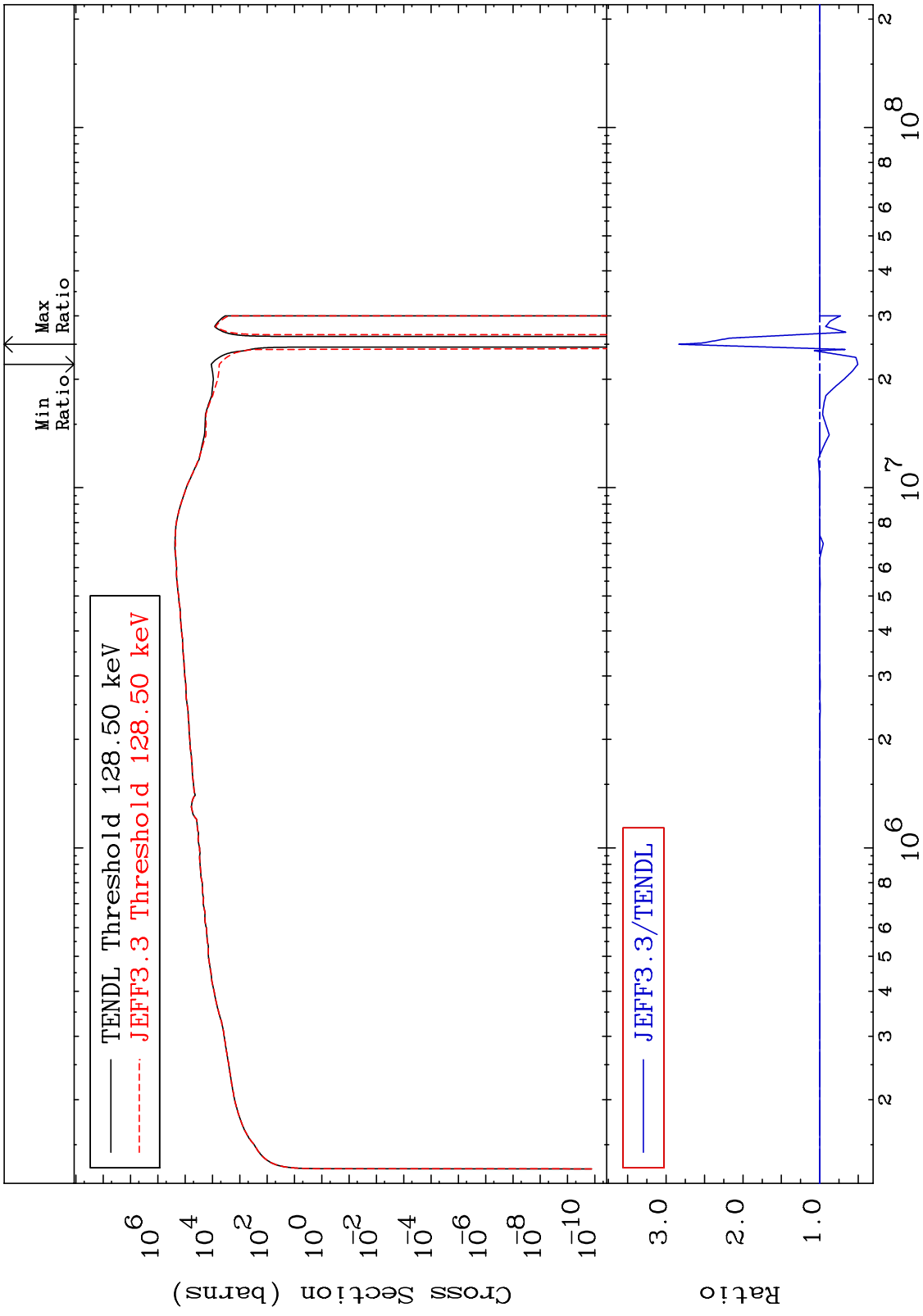


MAT 4440      Kerma non-elastic (all but mt2)      44-Ru-101  
 Cross Section      -70.30 To 6694. %



70      Incident Energy (eV)      44-Ru-101

MAT 4440 Kerma inelastic (mt51-91) 44-Ru-101  
 Cross Section -49.48 To 183.2 %

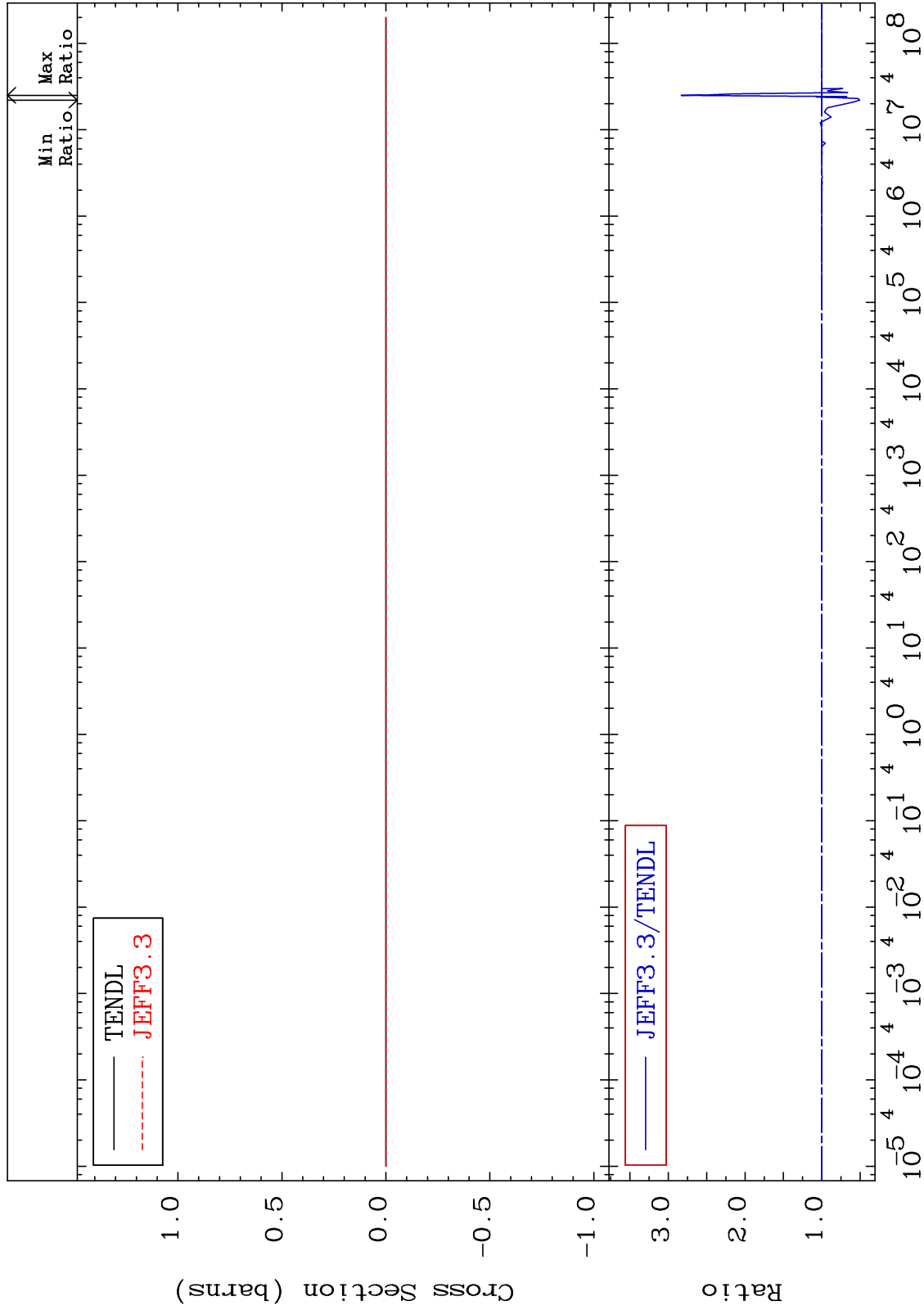




MAT 4440

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

44-Ru-101  
-49.48 To 183.2 %



72

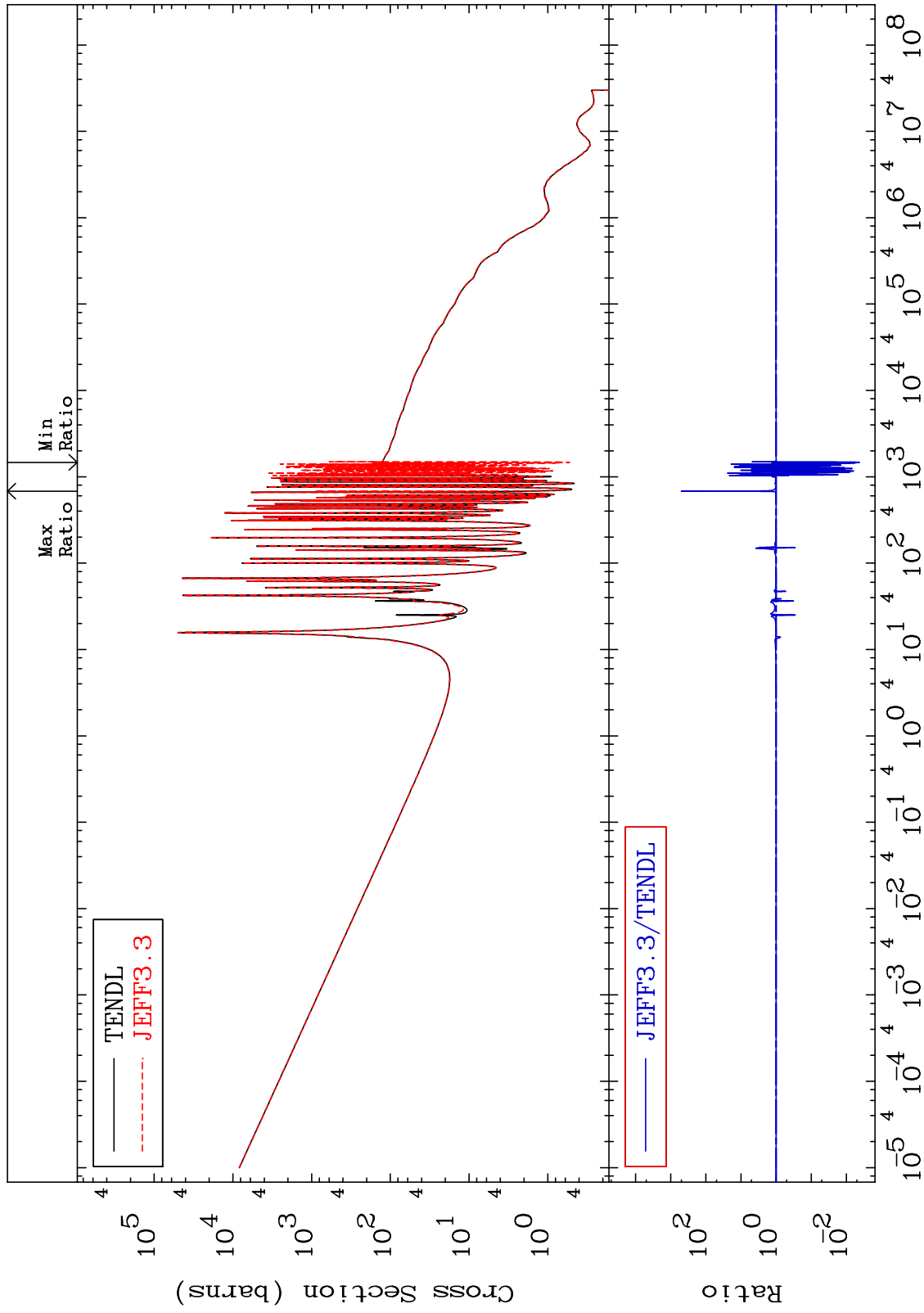
Incident Energy (eV)

44-Ru-101

MAT 4440

Kerma capture (mt102)  
Cross Section

44-Ru-101  
-99.59 To 9999. %

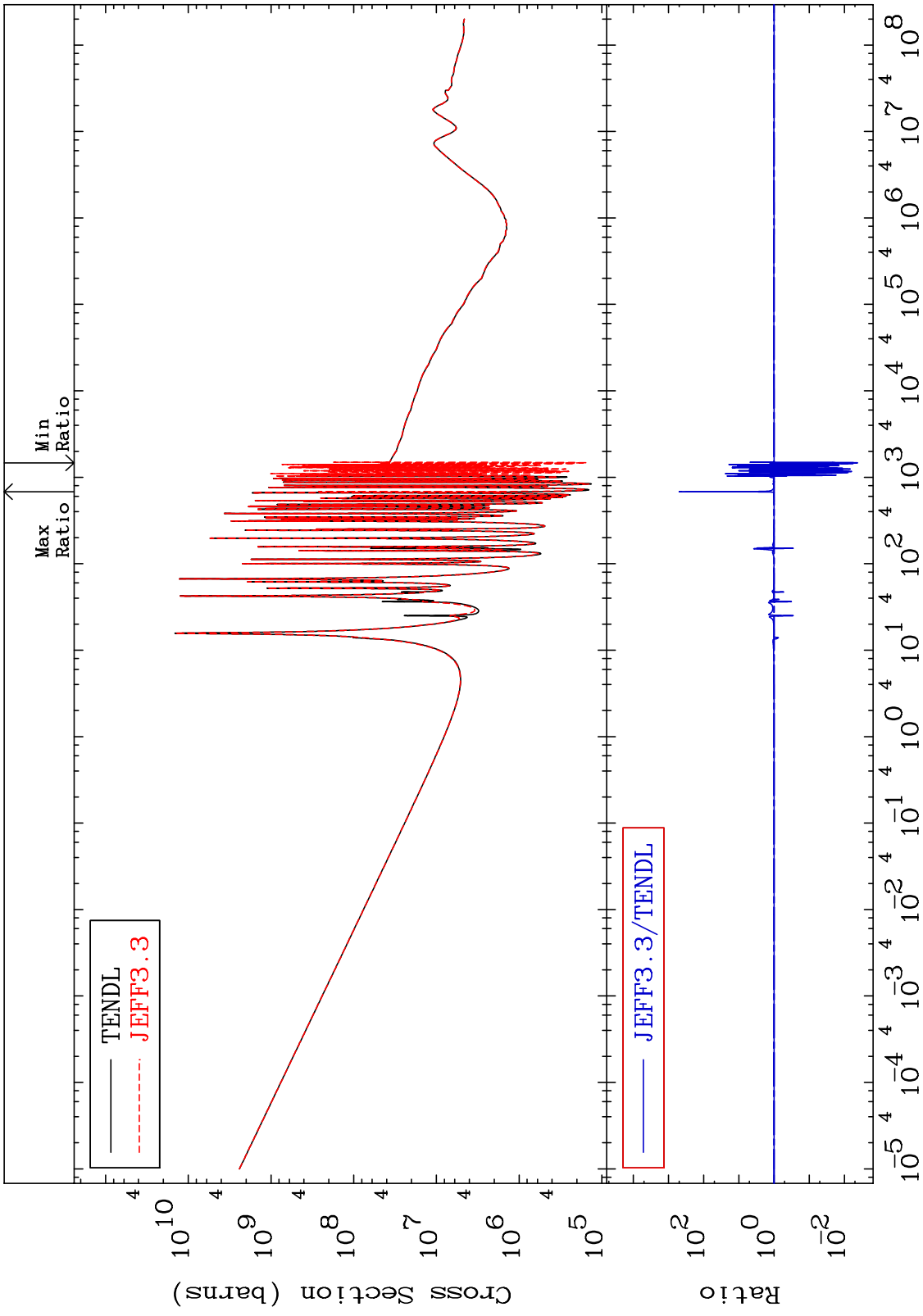


73

Incident Energy (eV)

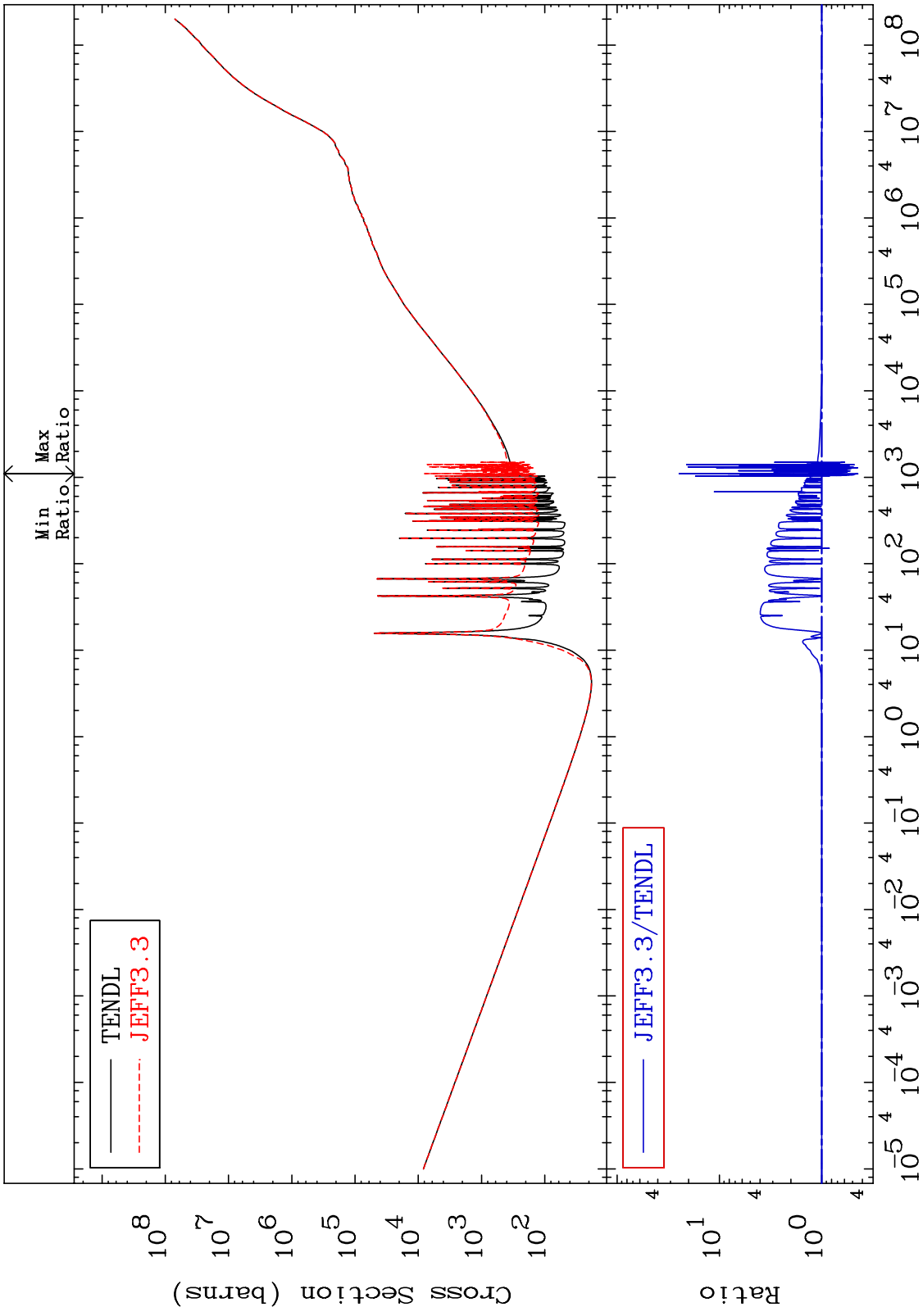
44-Ru-101

MAT 4440 44-Ru-101 -99.59 To 9999. %  
Total photon (eV-barns)  
Cross Section

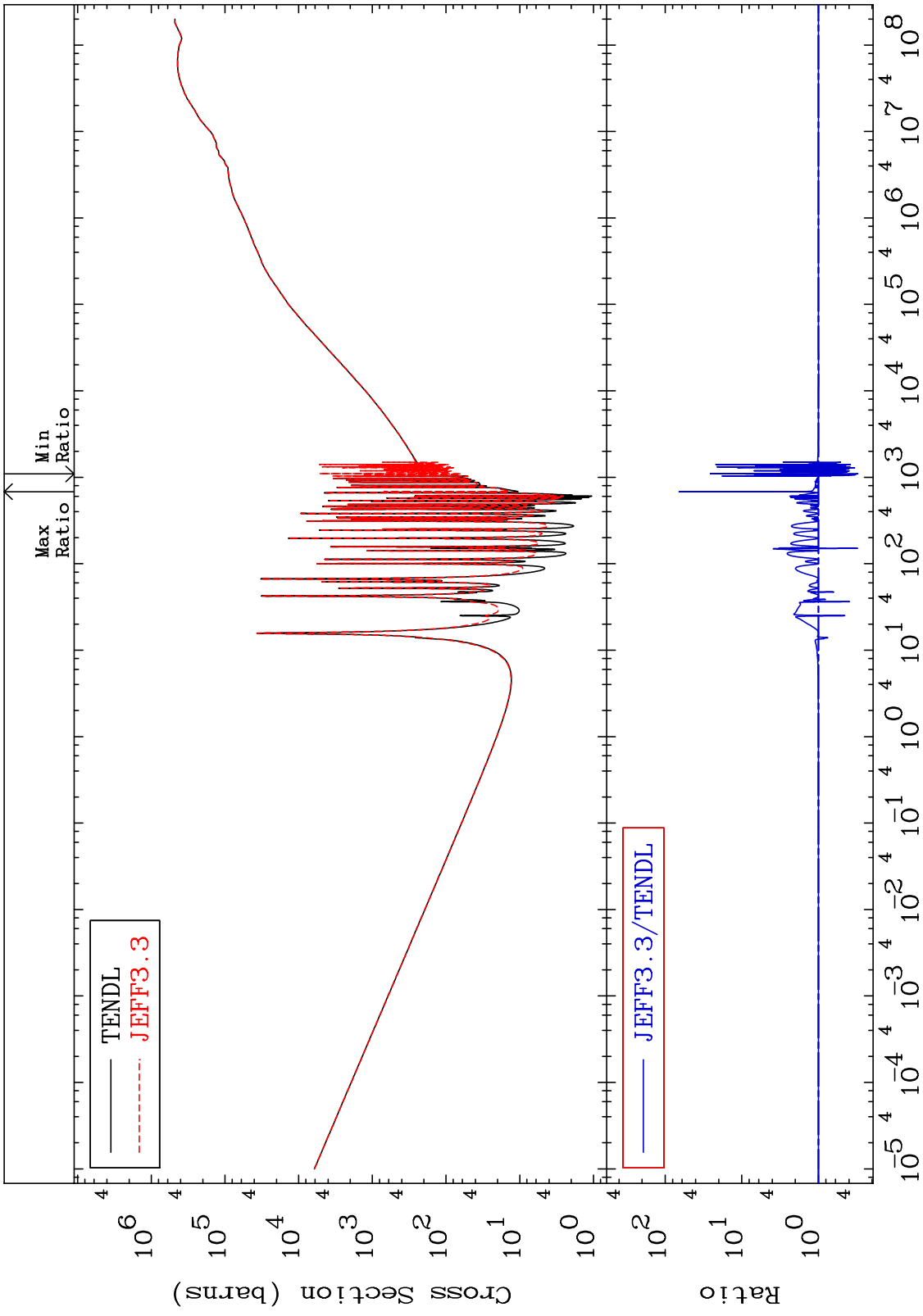


Incident Energy (eV) 44-Ru-101

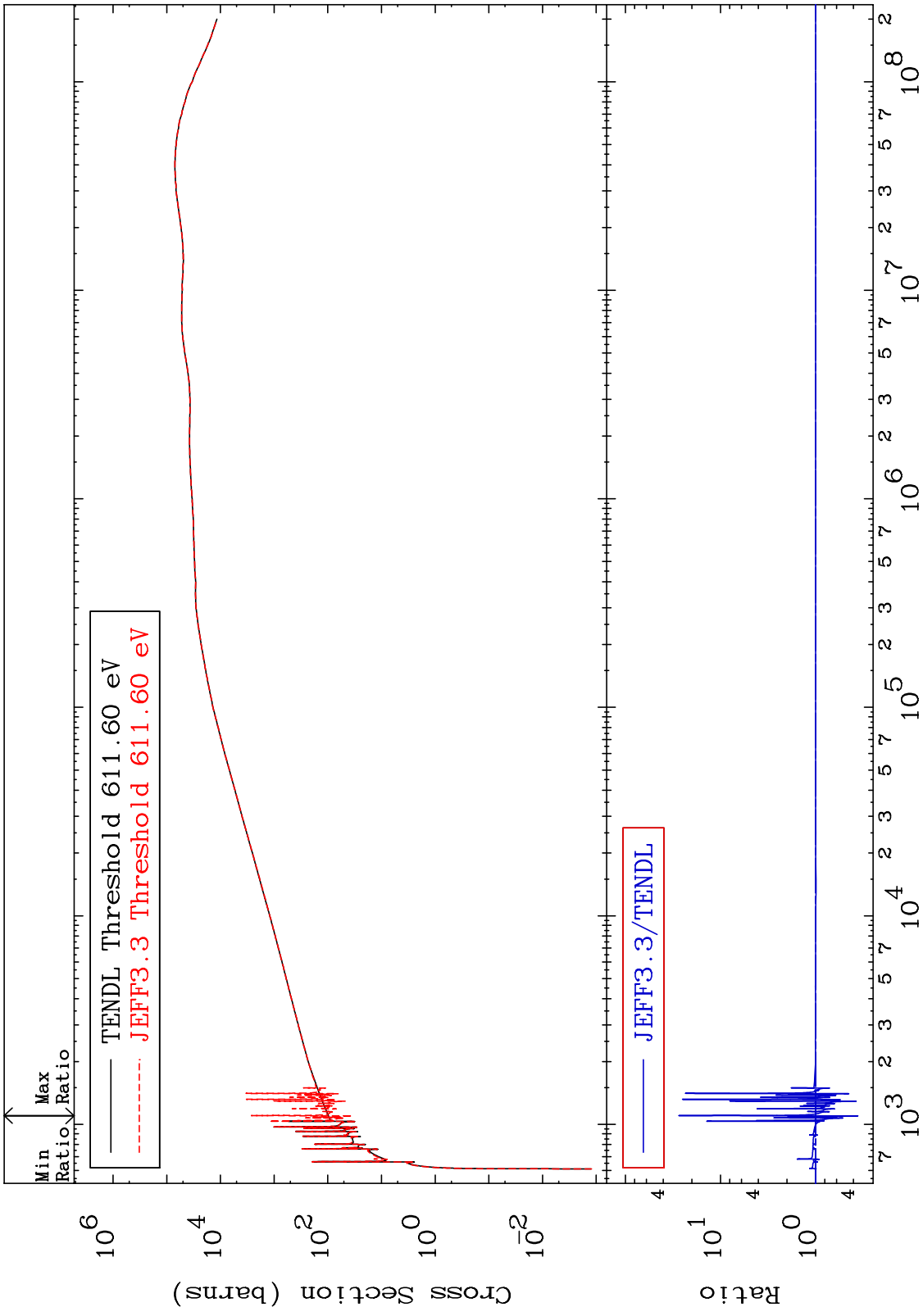
MAT 4440 Total kinematic kerma (high limit) 44-Ru-101  
Cross Section -55.68 To 2378. %



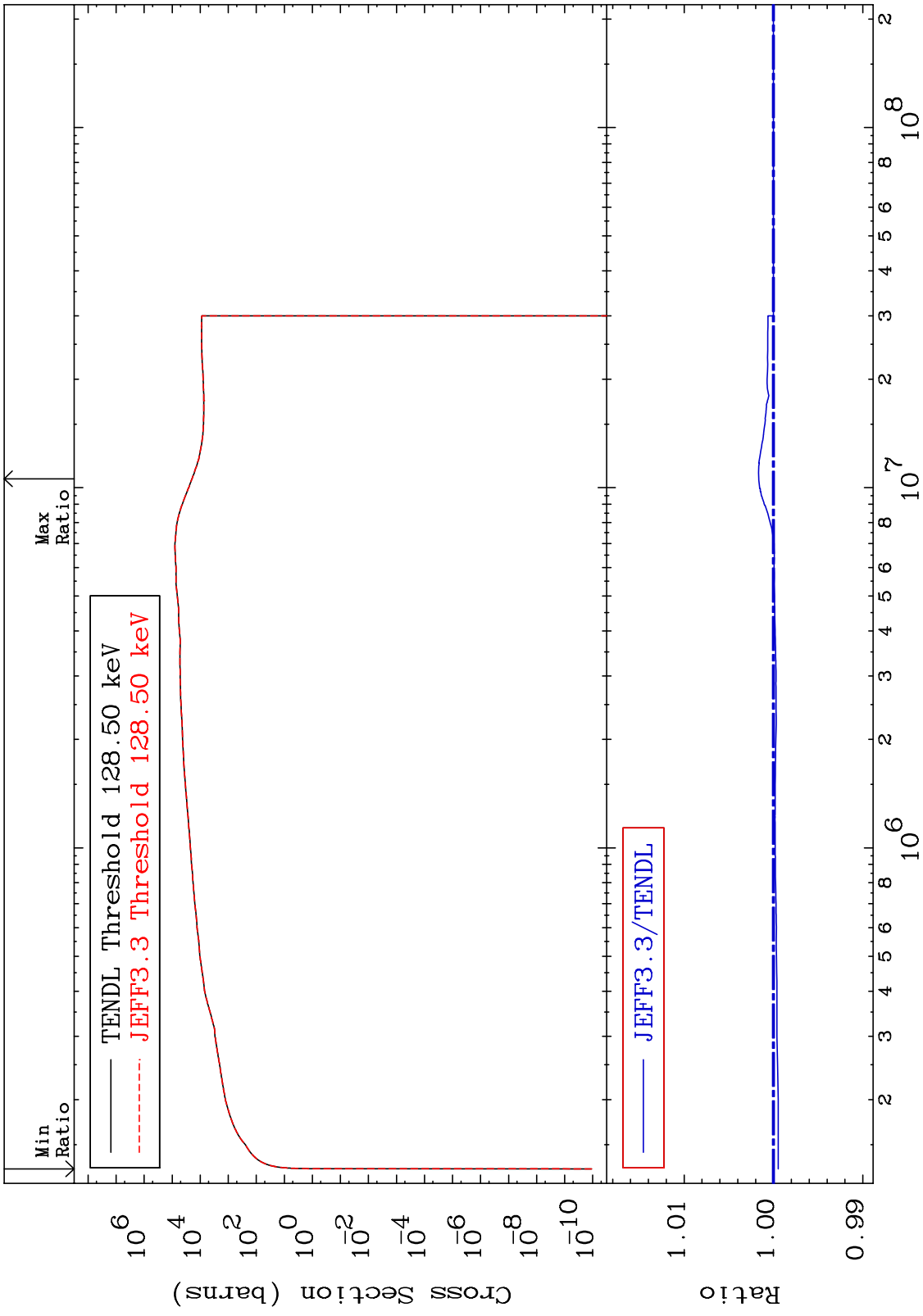
MAT 4440      Dpa total (eV-barns)      44-Ru-101  
 Cross Section      -69.38 To 6484. %



MAT 4440      Dpa elastic (mt2)      44-Ru-101  
Cross Section      -64.08 To 2625. %



MAT 4440      Dpa inelastic (mt51-91)      44-Ru-101  
 Cross Section      -0.054 To 0.167 %



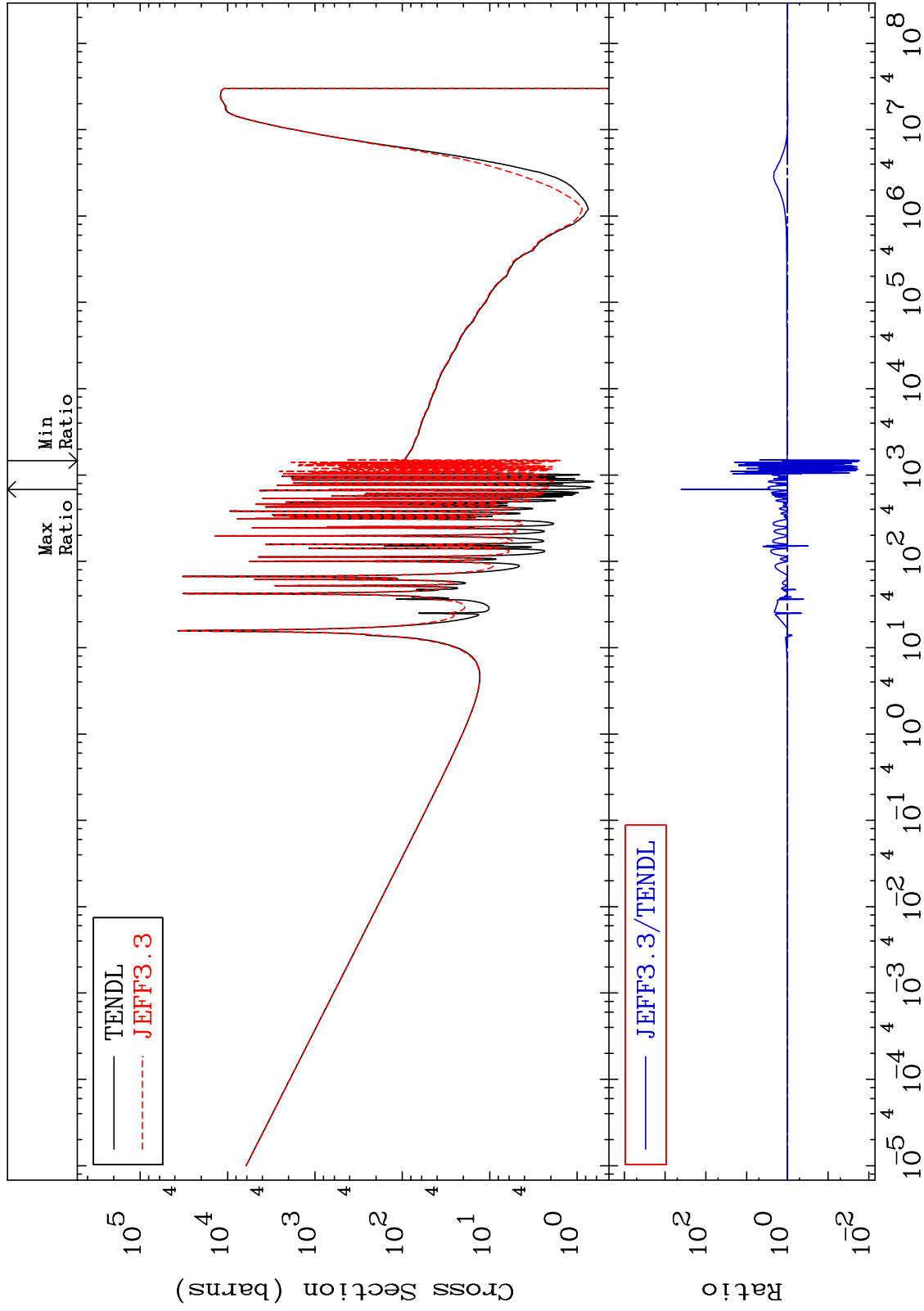
MAT 4440

Dpa disappearance (mt102 -120)

44-Ru-101

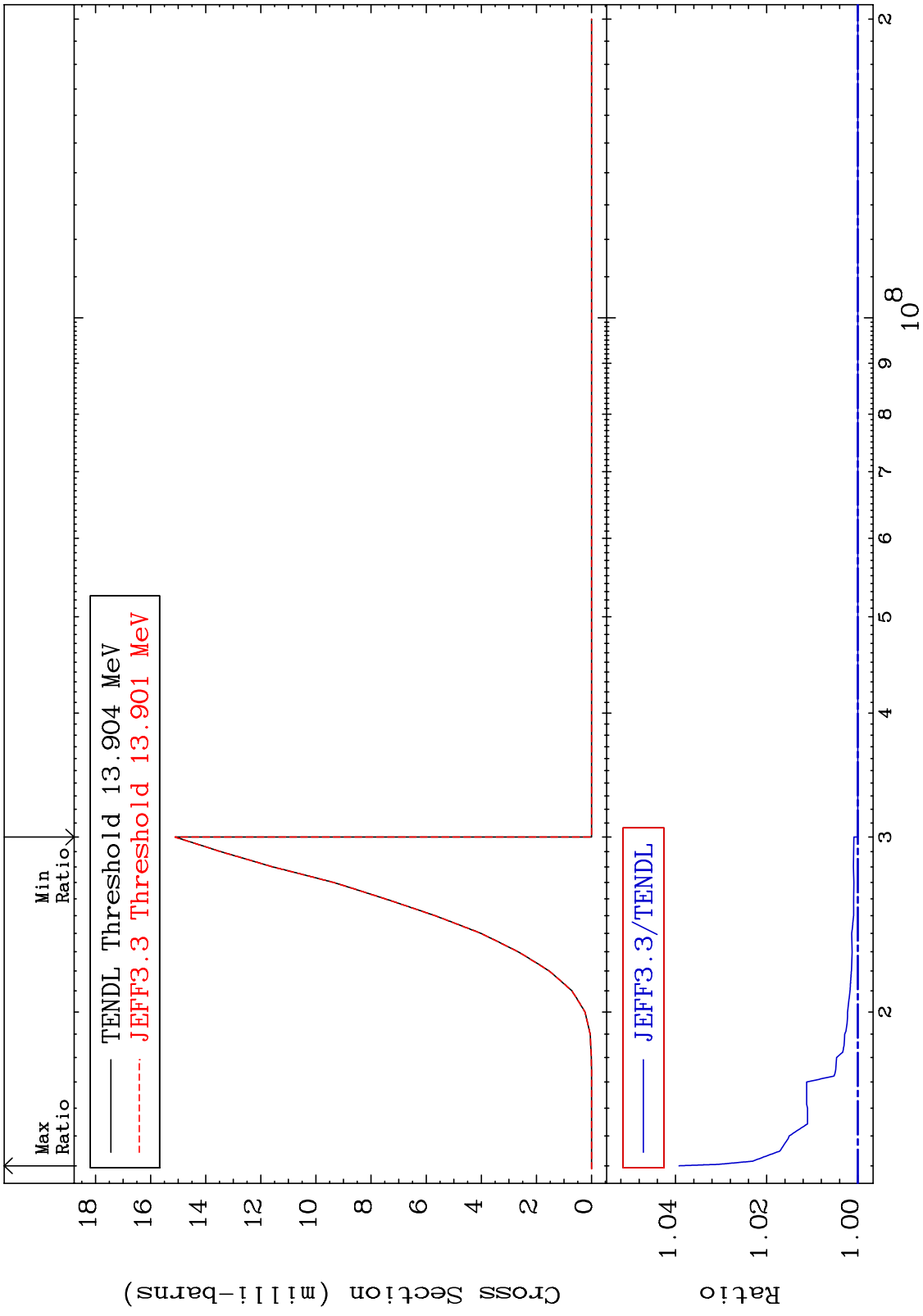
-98.33 To 9999. %

Cross Section

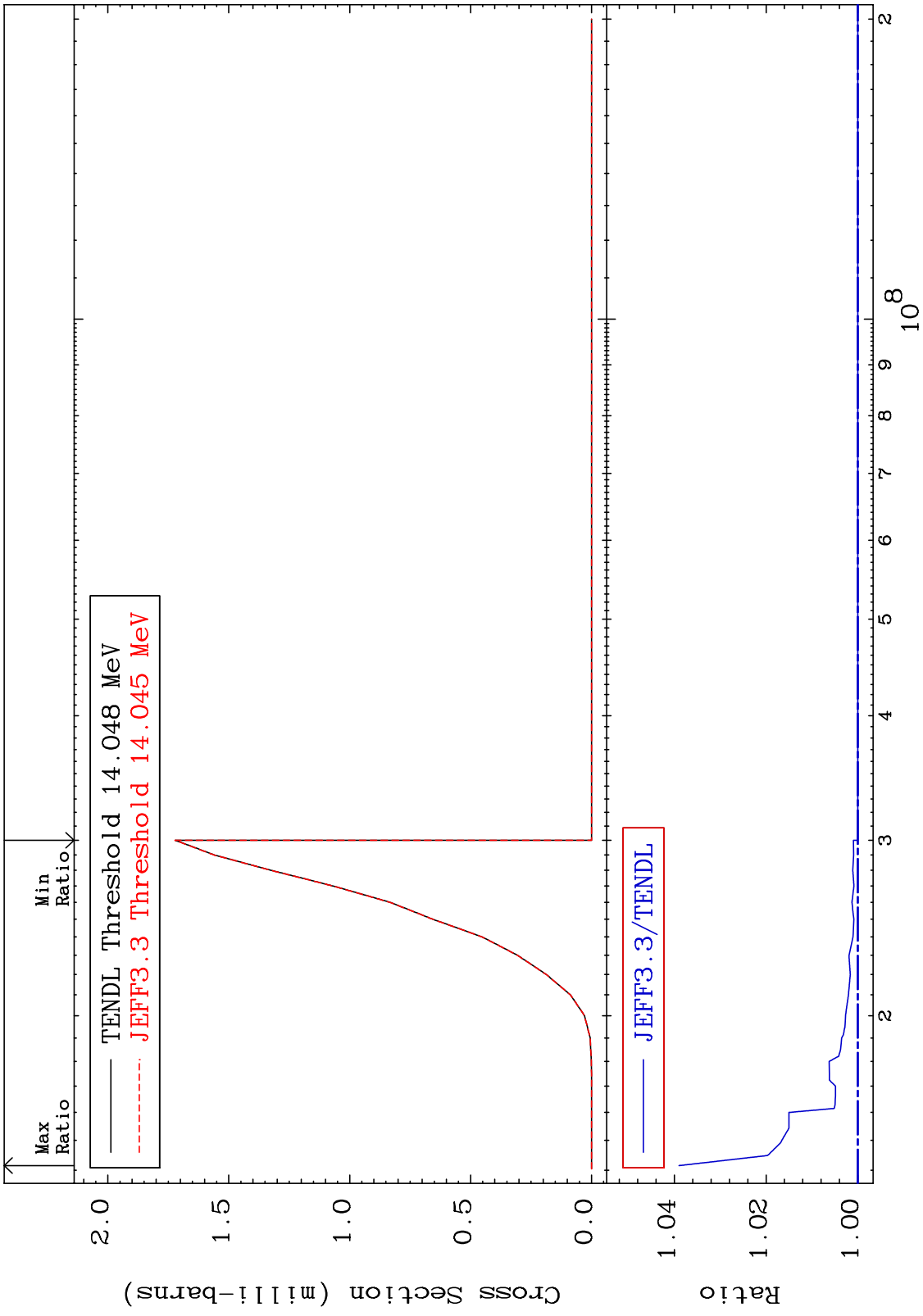




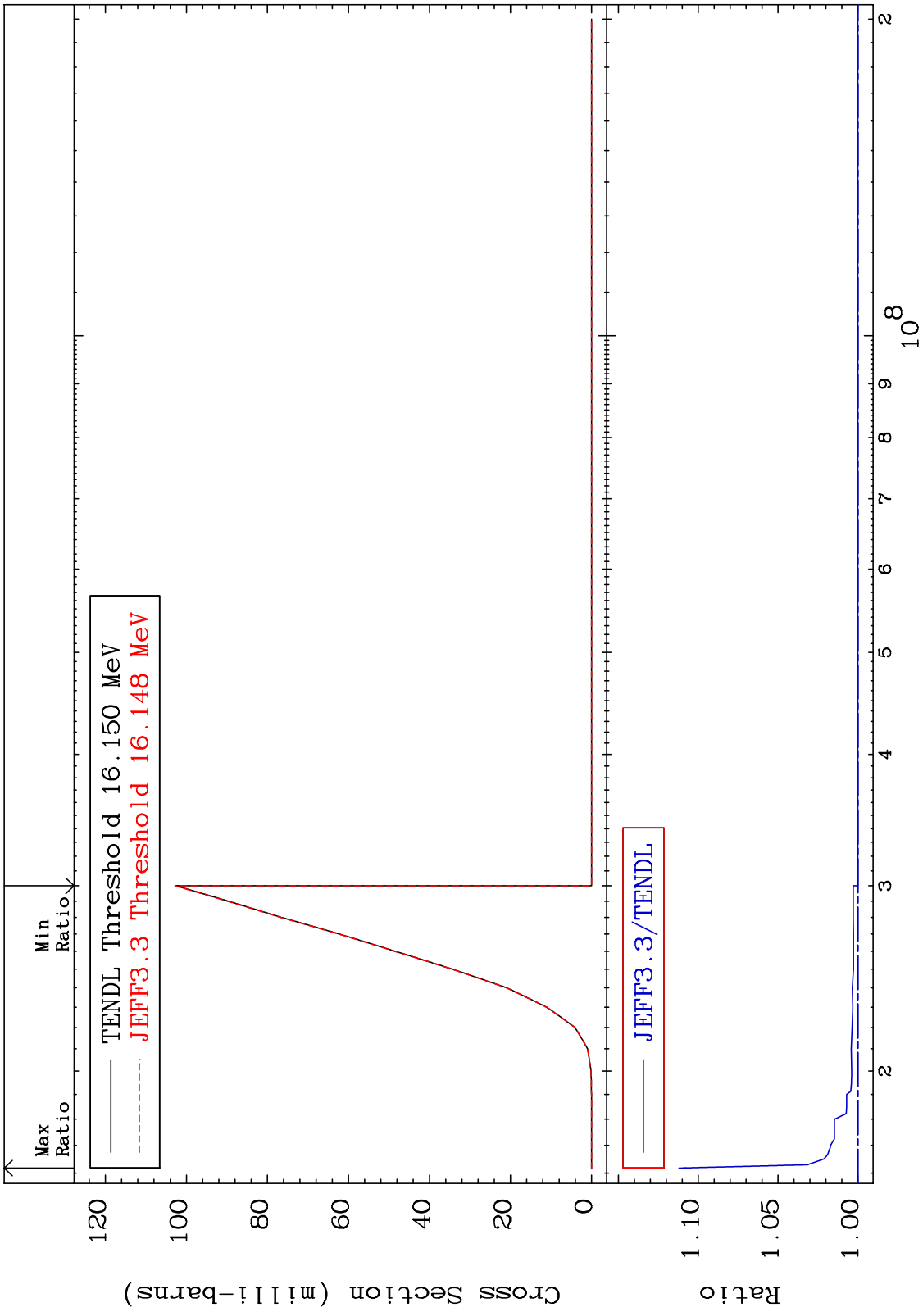
MAT 4440 (n, n') d:43-Tc-99g 44-Ru-101  
 Radionuclide Production Cross Section 0.000 To 3.924 %



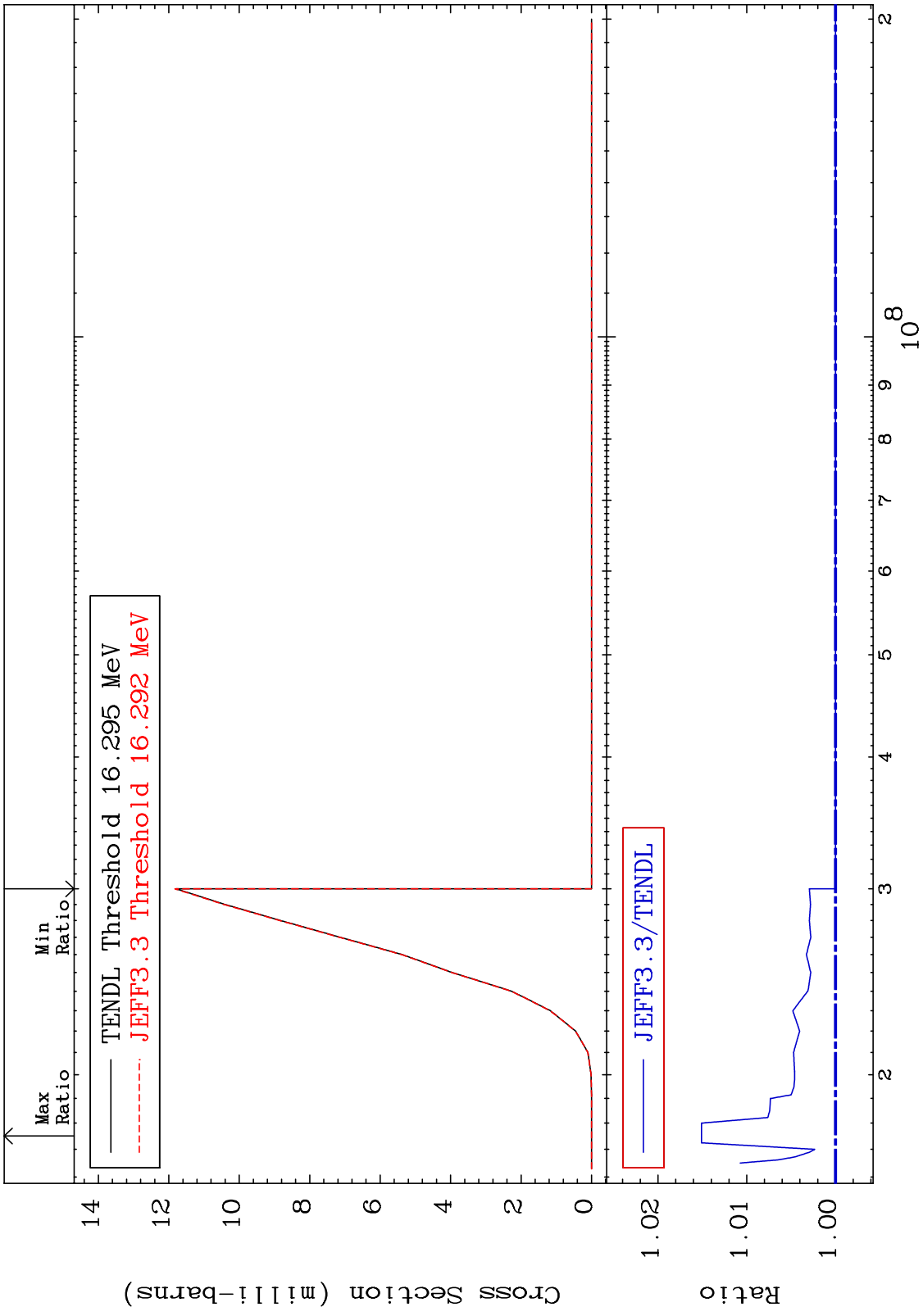
MAT 4440 (n, n') d:43-Tc-99m2 44-Ru-101  
 Radionuclide Production Cross Section 0.000 To 3.898 %



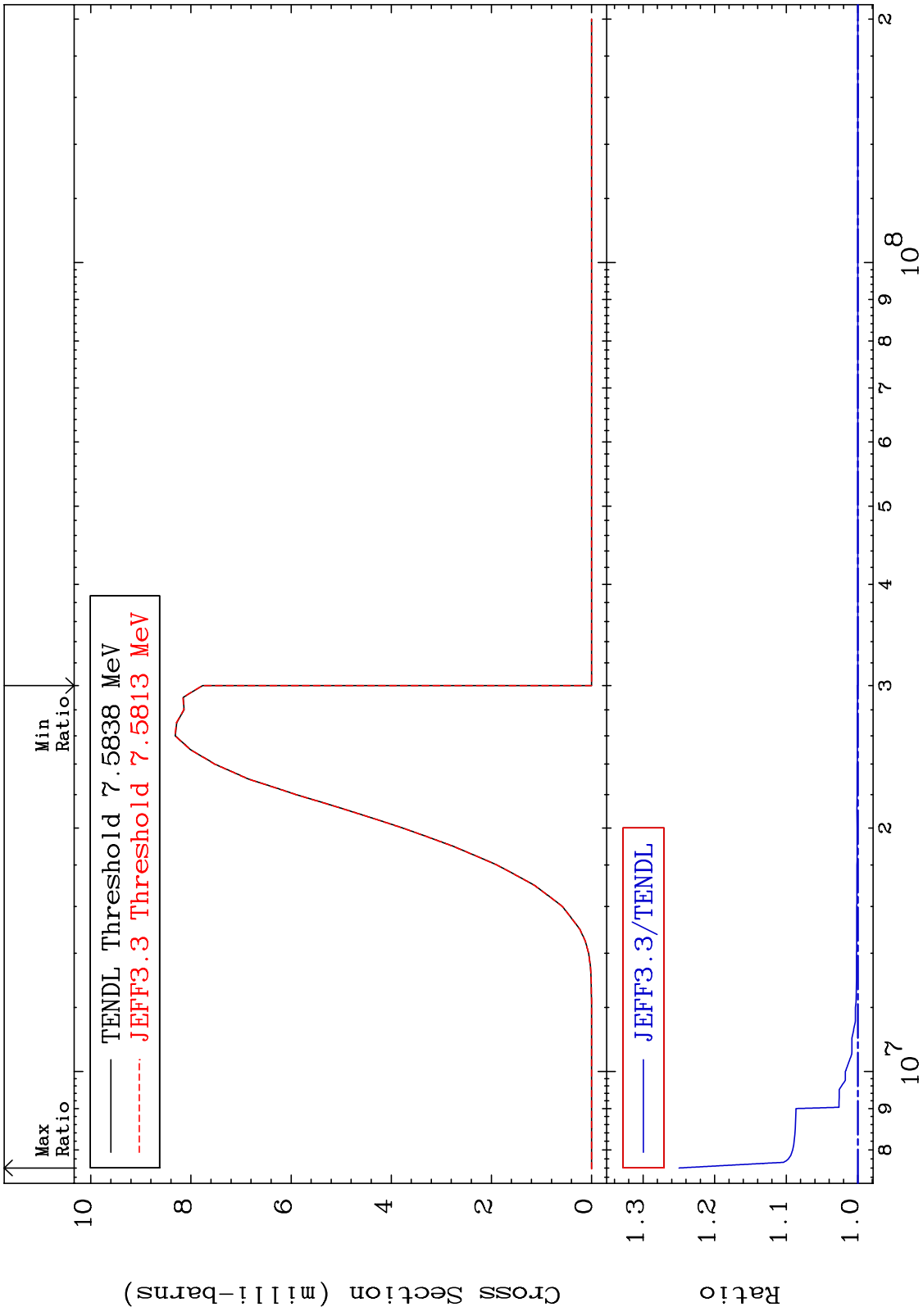
MAT 4440 (n,2n) p:43-Tc-99g 44-Ru-101  
 Radionuclide Production Cross Section 0.000 To 11.20 %



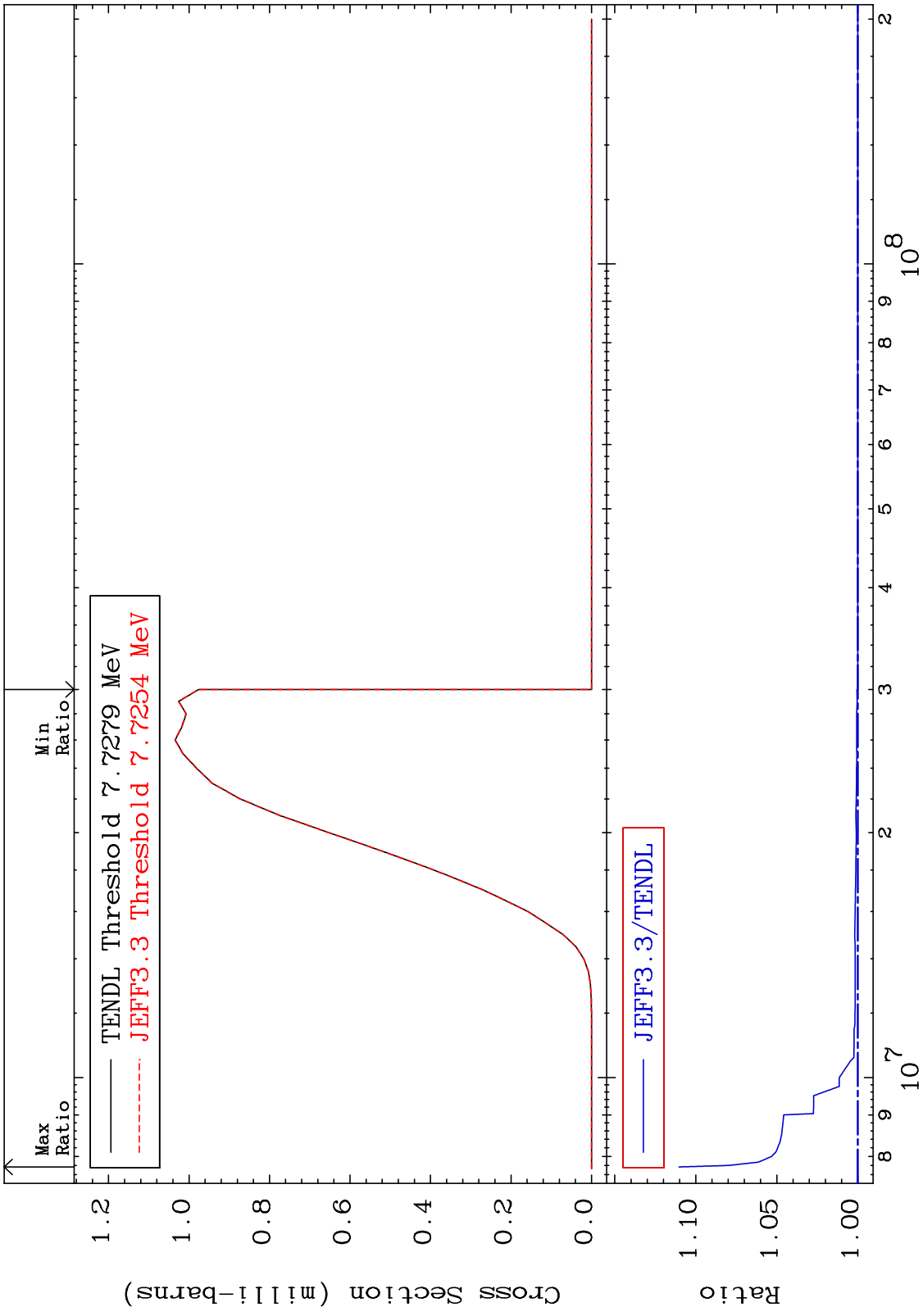
MAT 4440 (n,2n) p:43-Tc-99m2 44-Ru-101  
 Radionuclide Production Cross Section 0.000 To 1.510 %



MAT 4440 (n, t) : 43-Tc-99g 44-Ru-101  
 Radionuclide Production Cross Section 0.000 To 24.97 %



MAT 4440 (n, t) : 43-Tc-99m2 44-Ru-101  
 Radionuclide Production Cross Section 0.000 To 11.03 %

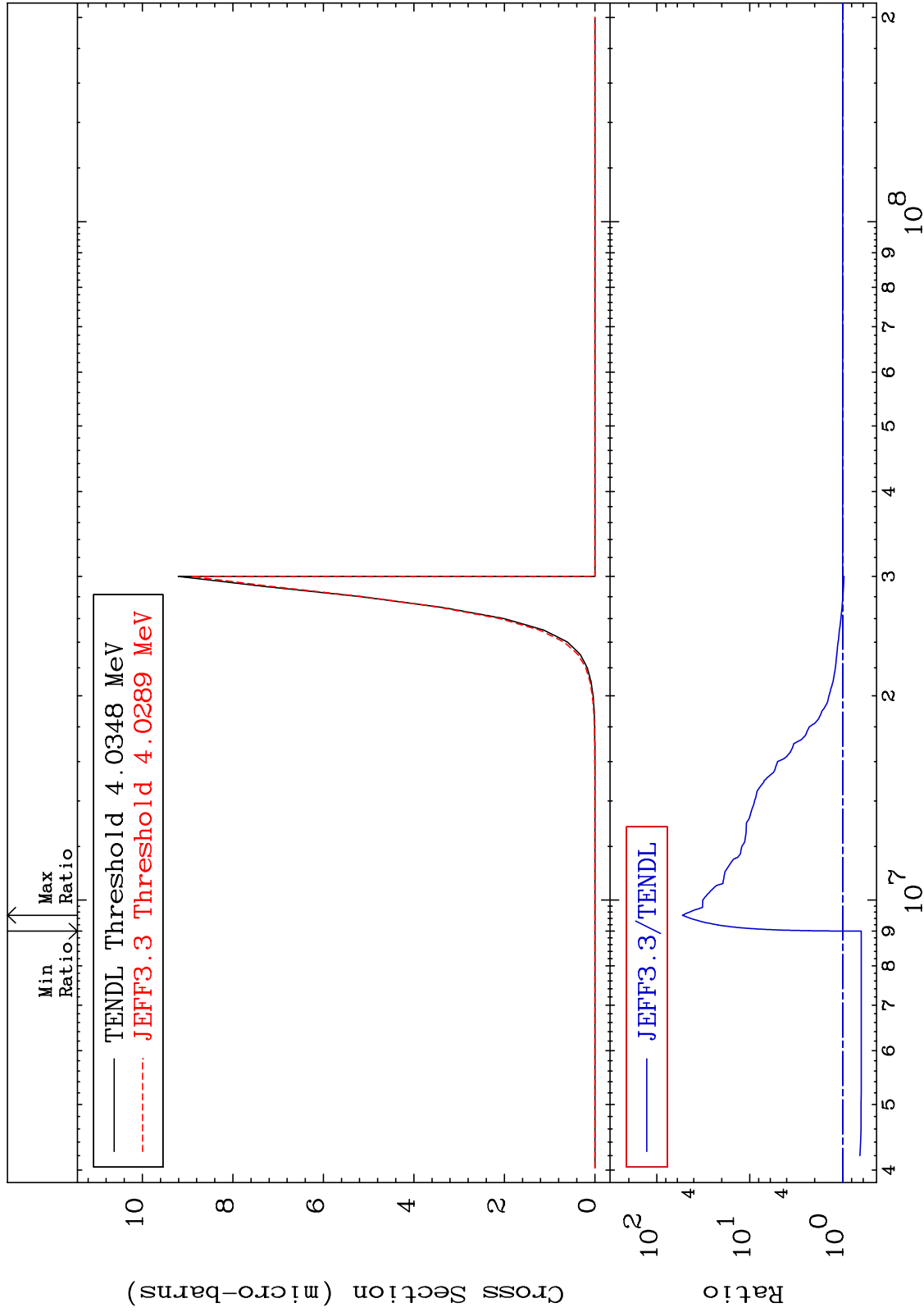


MAT 4440

(n, p)  $\alpha$ : 41-Nb-97g

44-Ru-101

Radionuclide Production Cross Section -37.01 To 5186. %



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Incident Energy (eV)

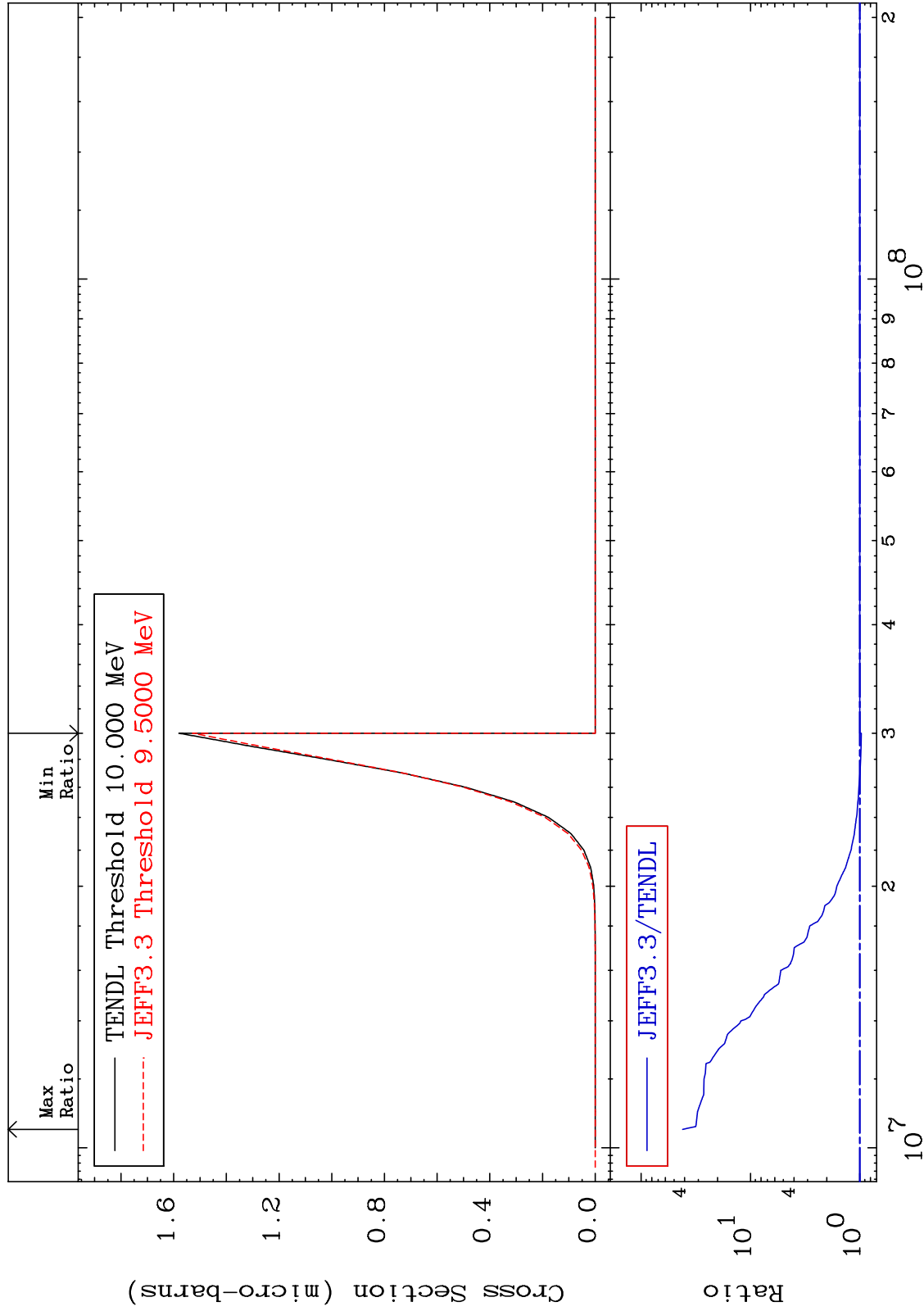
44-Ru-101

MAT 4440

(n,p)  $\alpha$ : 41-Nb-97m1

44-Ru-101

Radionuclide Production Cross Section -3.240 To 4067. %



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Incident Energy (eV)

44-Ru-101