

Program Complot  
(Version 2018-1)

by

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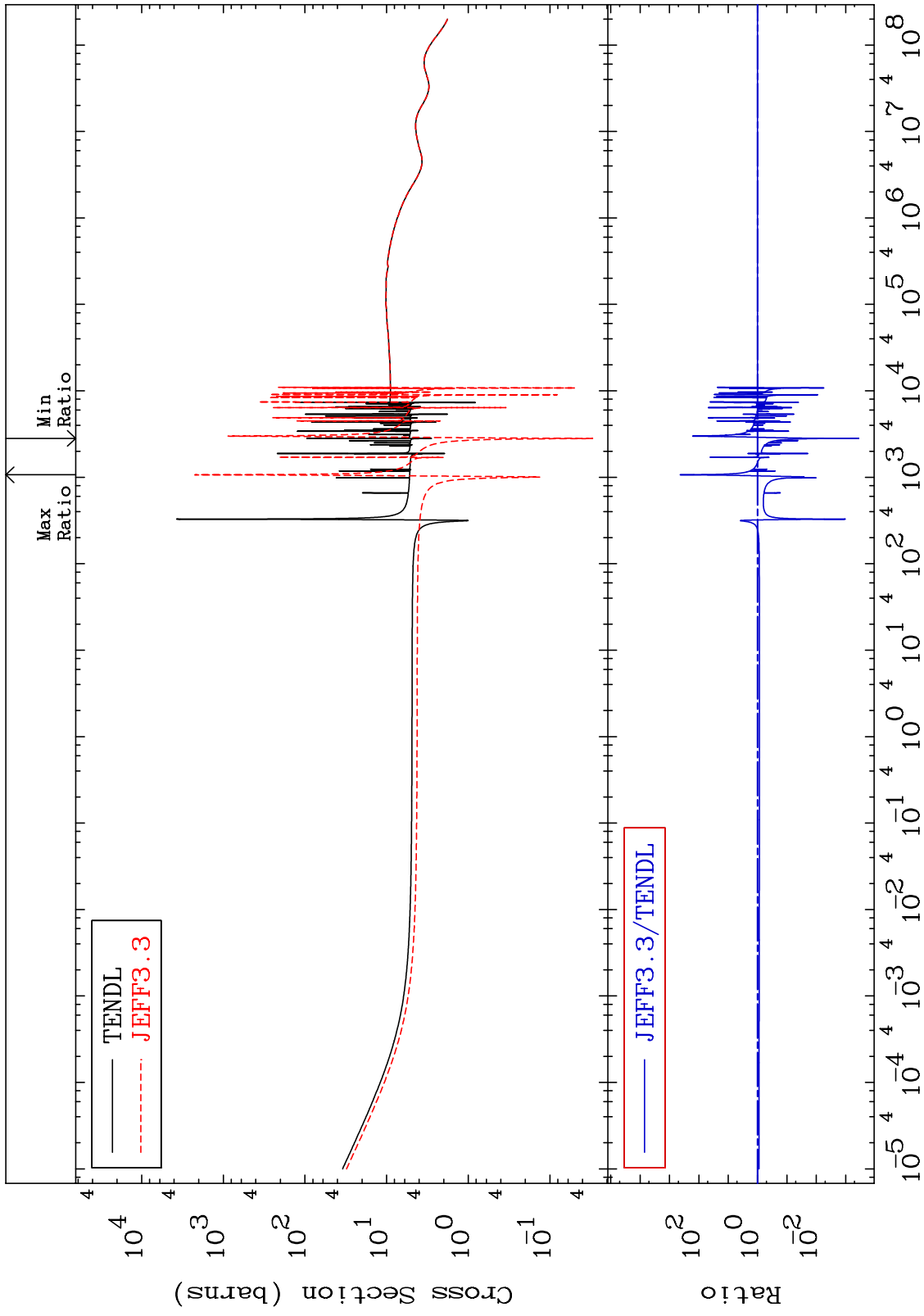
Press Mouse Button to Start

MAT 4455

Total  
Cross Section

44-Ru-106

-99.96 To 9999. %



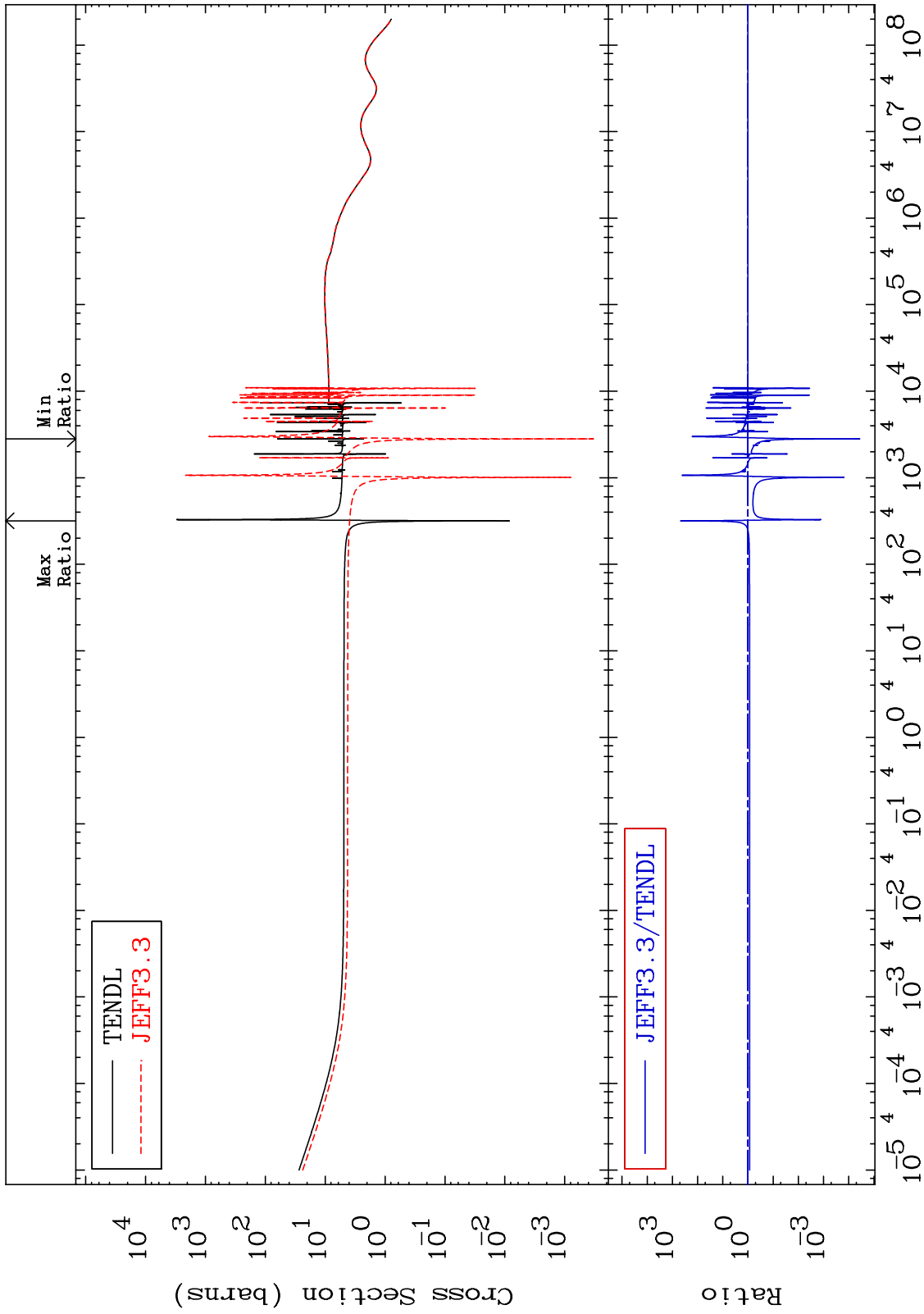
Incident Energy (eV)

44-Ru-106

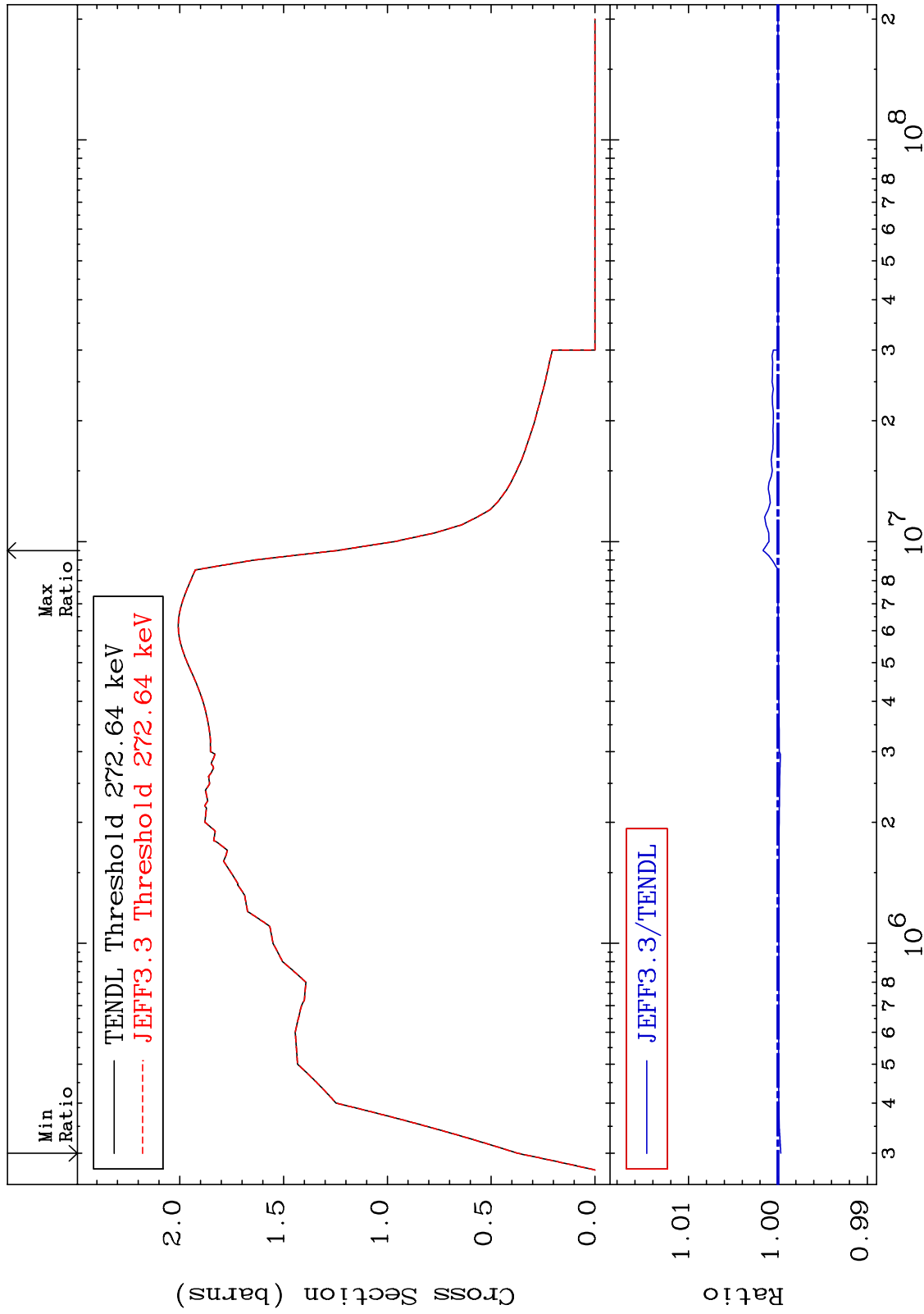
MAT 4455

Elastic  
Cross Section

44-Ru-106  
-100.0 To 9999. %

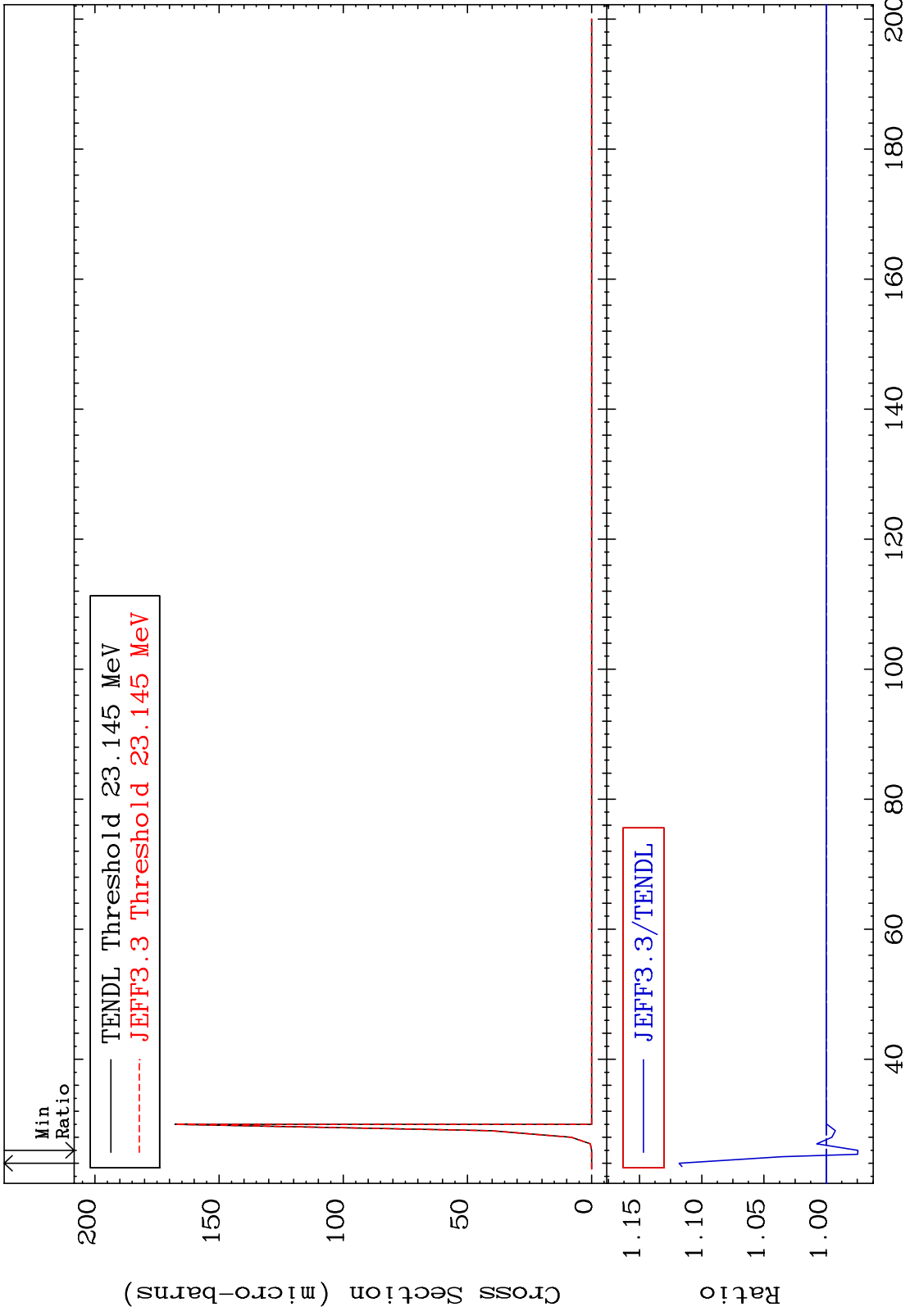


MAT 4455 44-Ru-106 Inelastic Cross Section -0.031 To 0.167 %

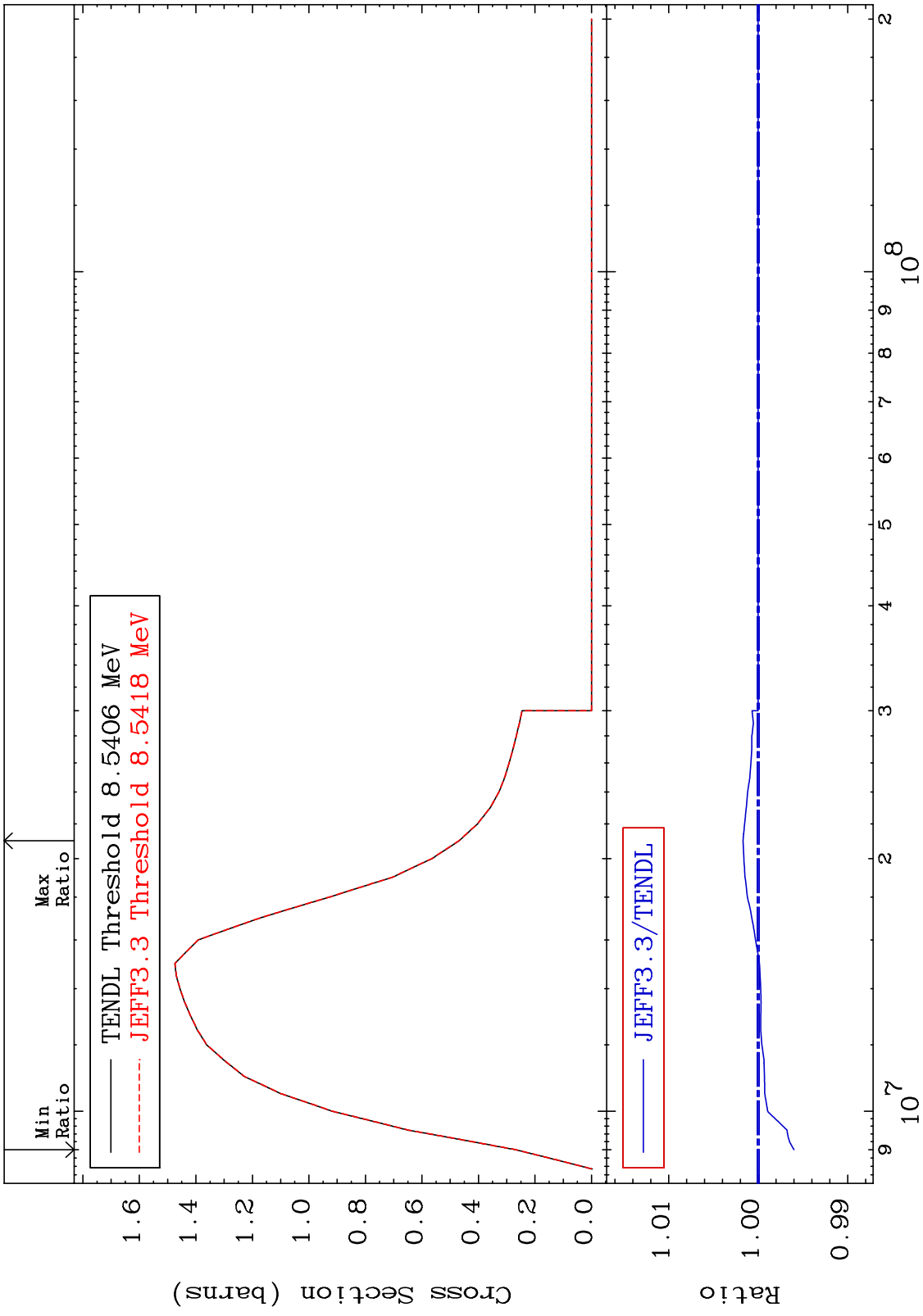


3 44-Ru-106

MAT 4455 (n,2n) d 44-Ru-106  
Cross Section -2.548 To 11.82 %

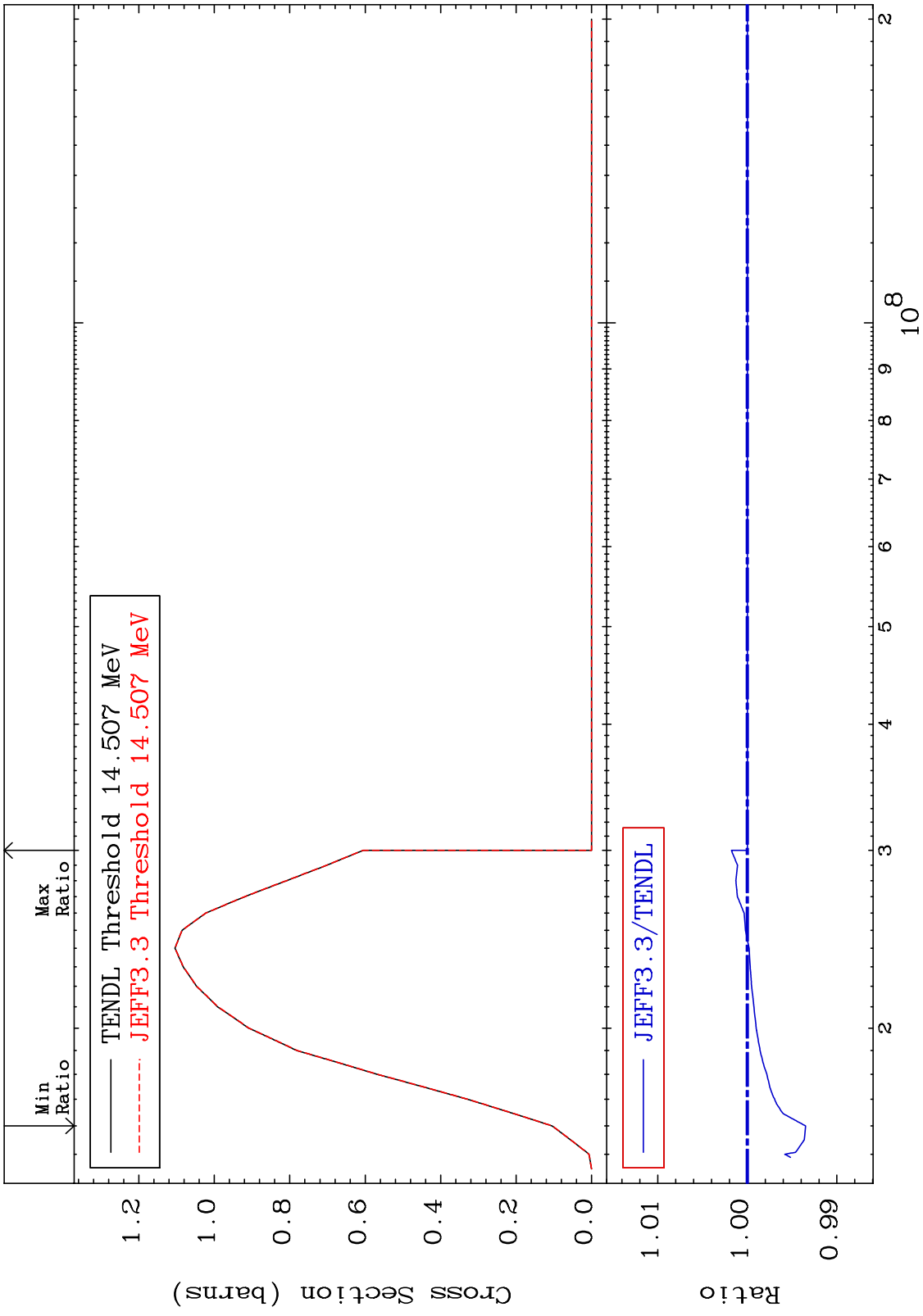


MAT 4455 (n,2n) Cross Section 44-Ru-106 -0.399 To 0.170 %

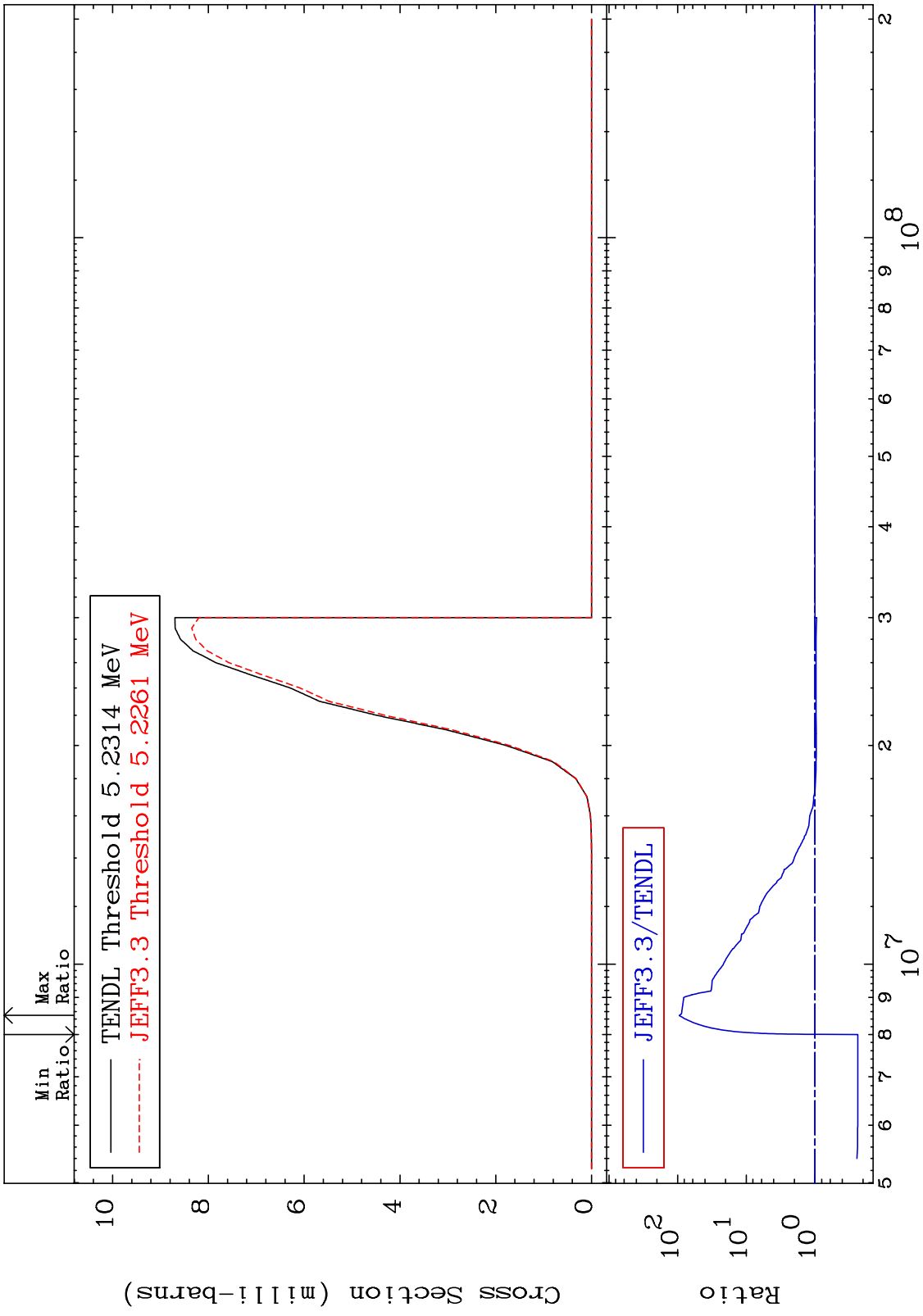


44-Ru-106 Incident Energy (eV)

MAT 4455 (n,3n) Cross Section 44-Ru-106 -0.650 To 0.178 %



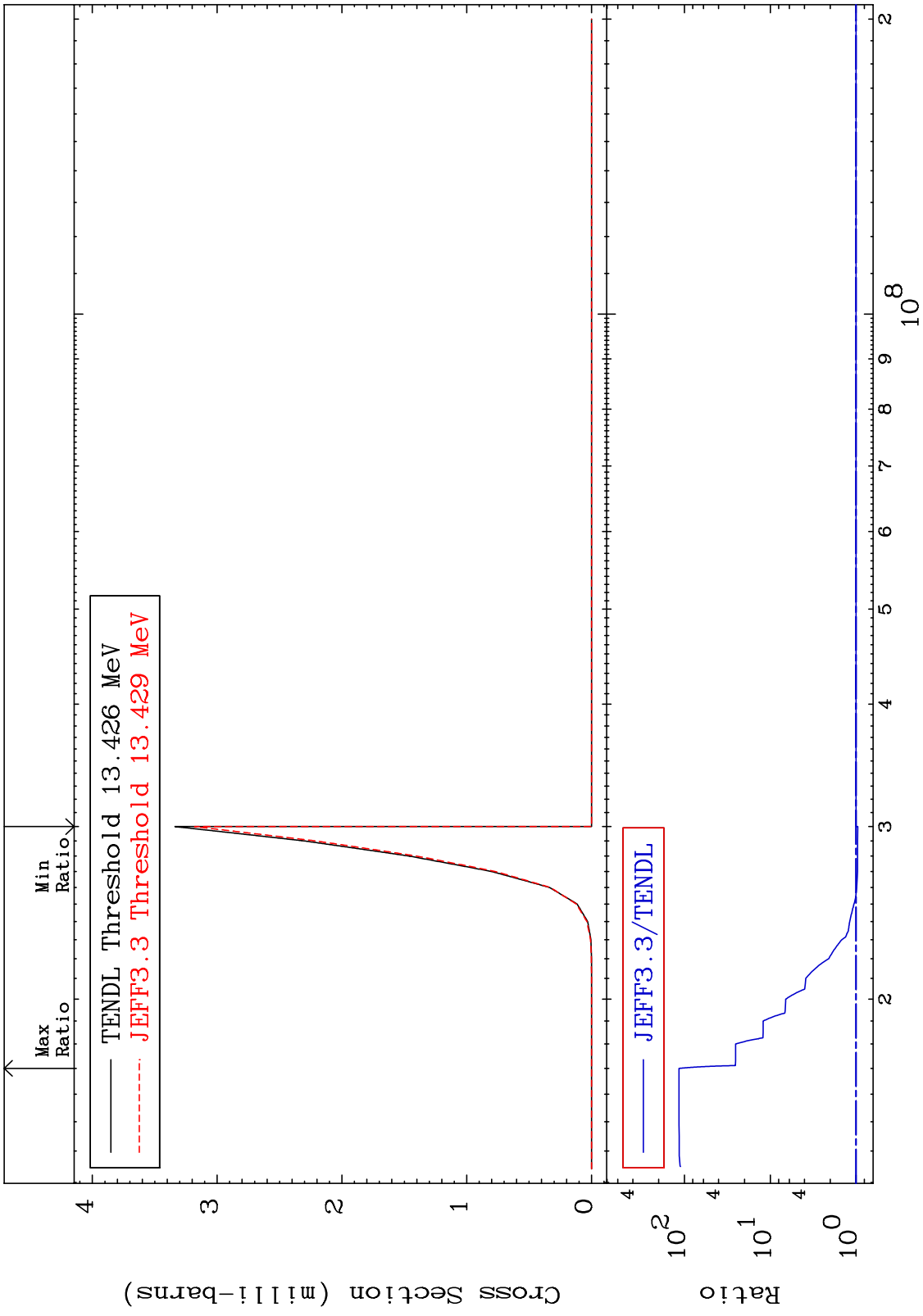
MAT 4455 (n, n')  $\alpha$  44-Ru-106  
 Cross Section -76.24 To 9434. %



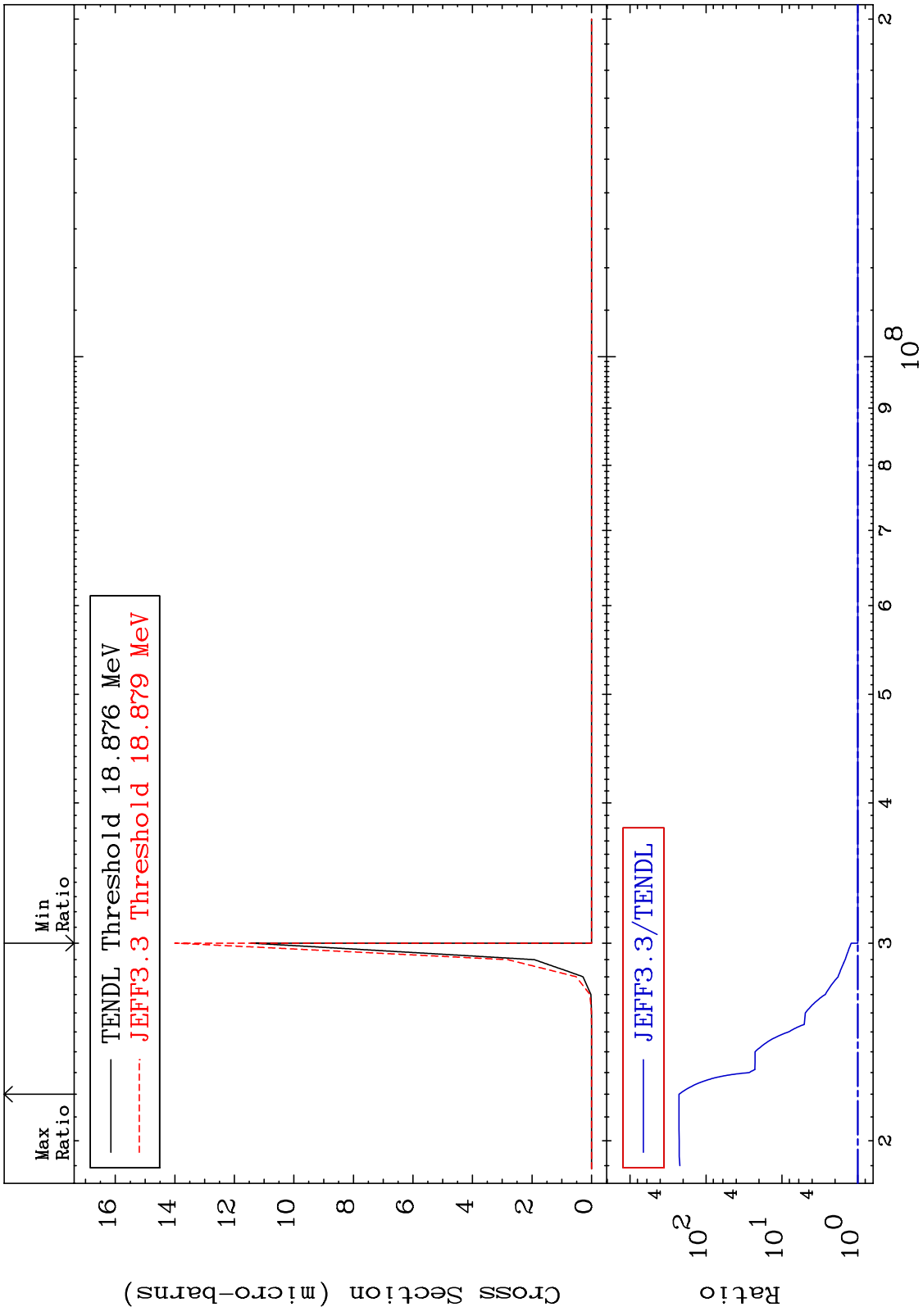
7 44-Ru-106 Incident Energy (eV)



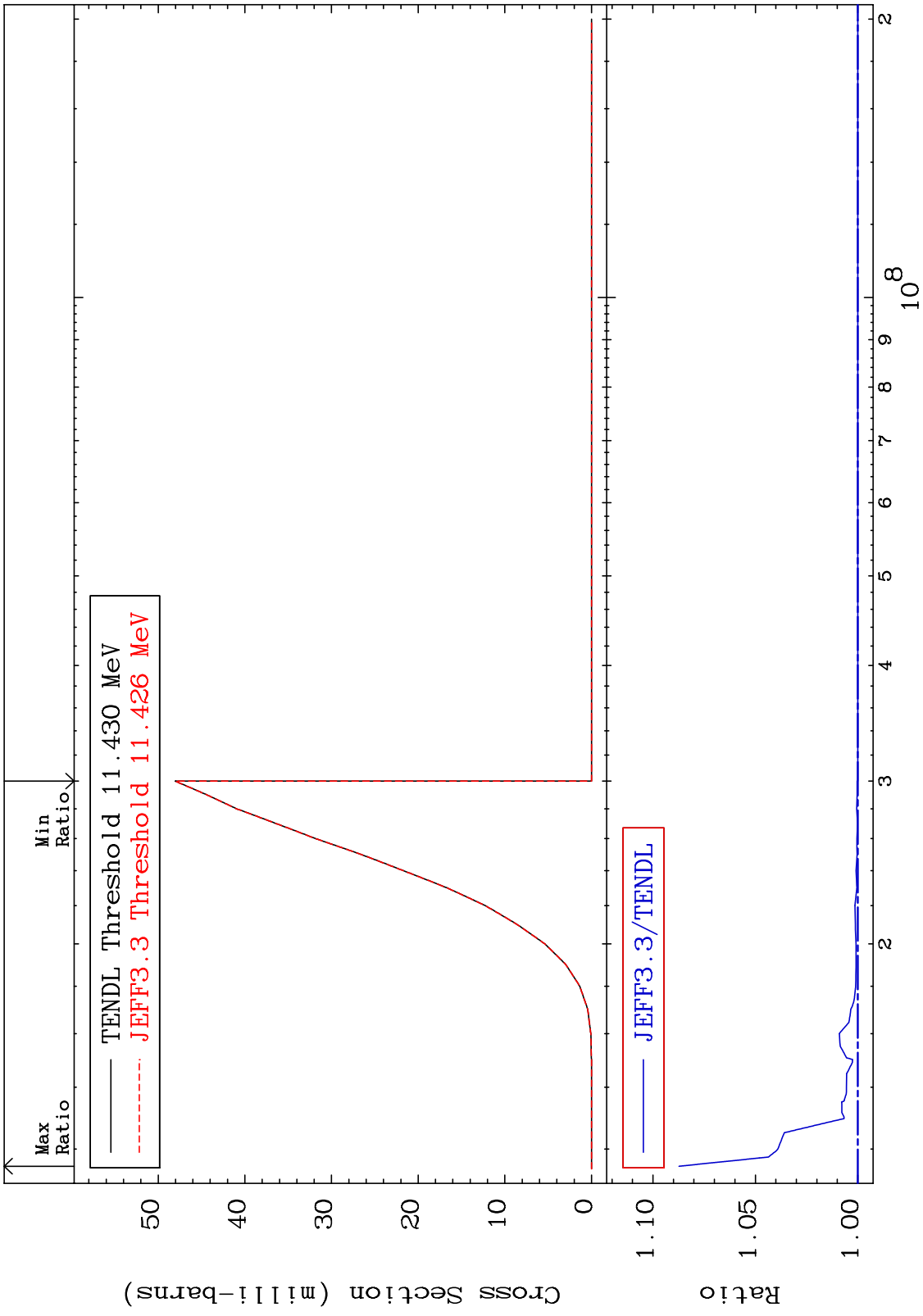
MAT 4455 (n,2n)  $\alpha$  44-Ru-106  
 Cross Section -4.692 To 9999. %



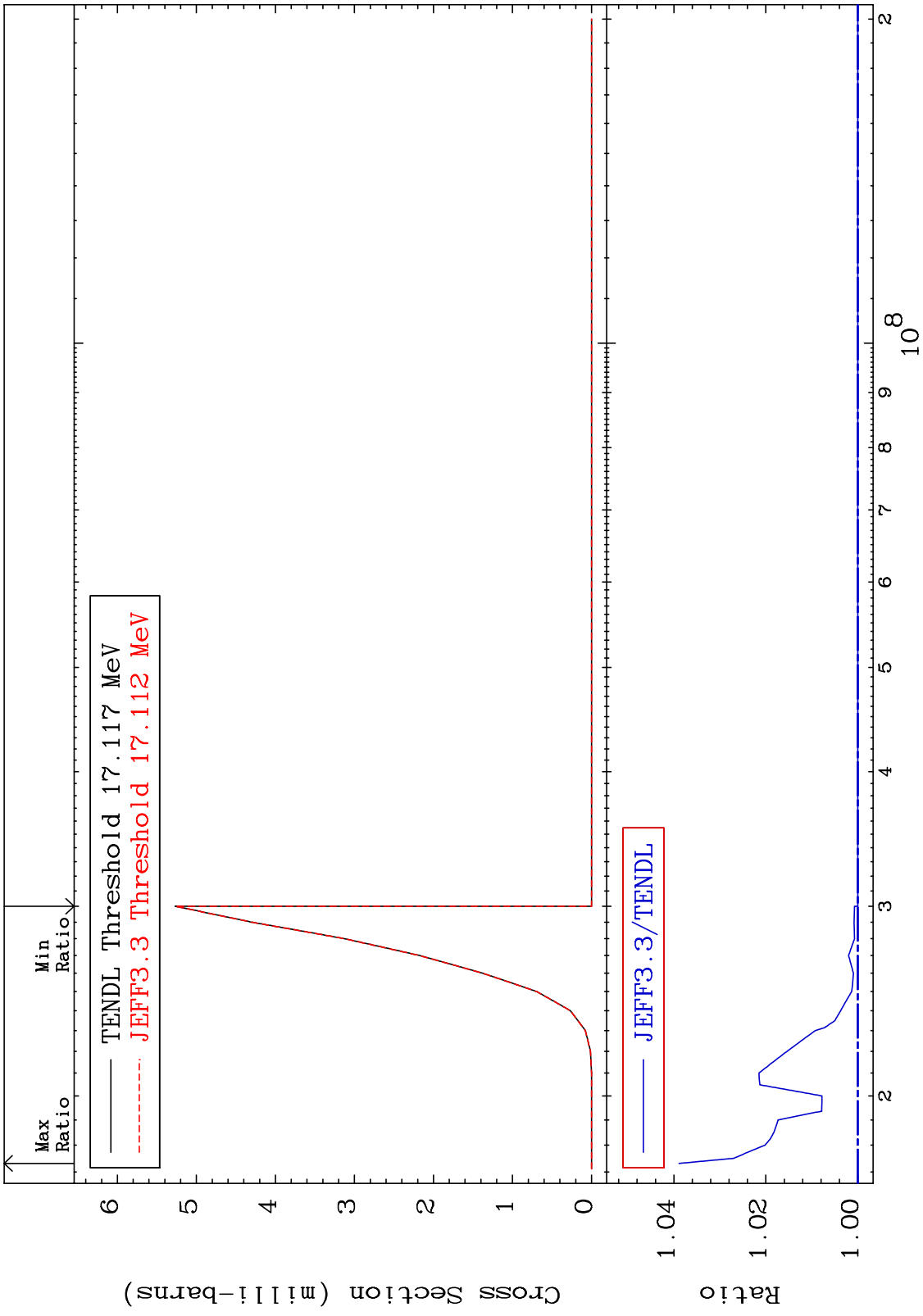
MAT 4455 (n,3n)  $\alpha$  44-Ru-106  
 Cross Section 0.000 To 9999. %



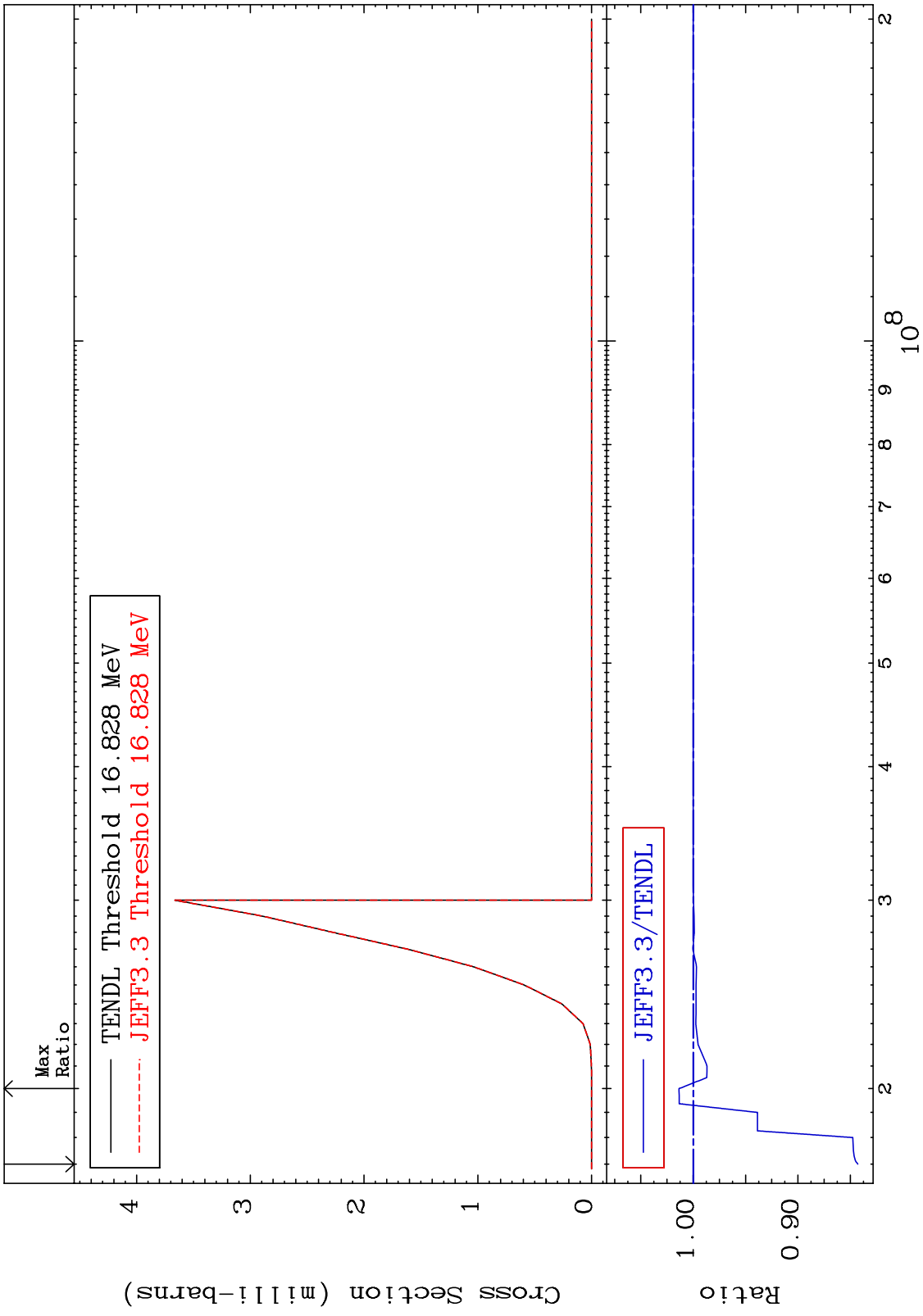
MAT 4455 (n, n') p Cross Section 44-Ru-106 To 8.727 %



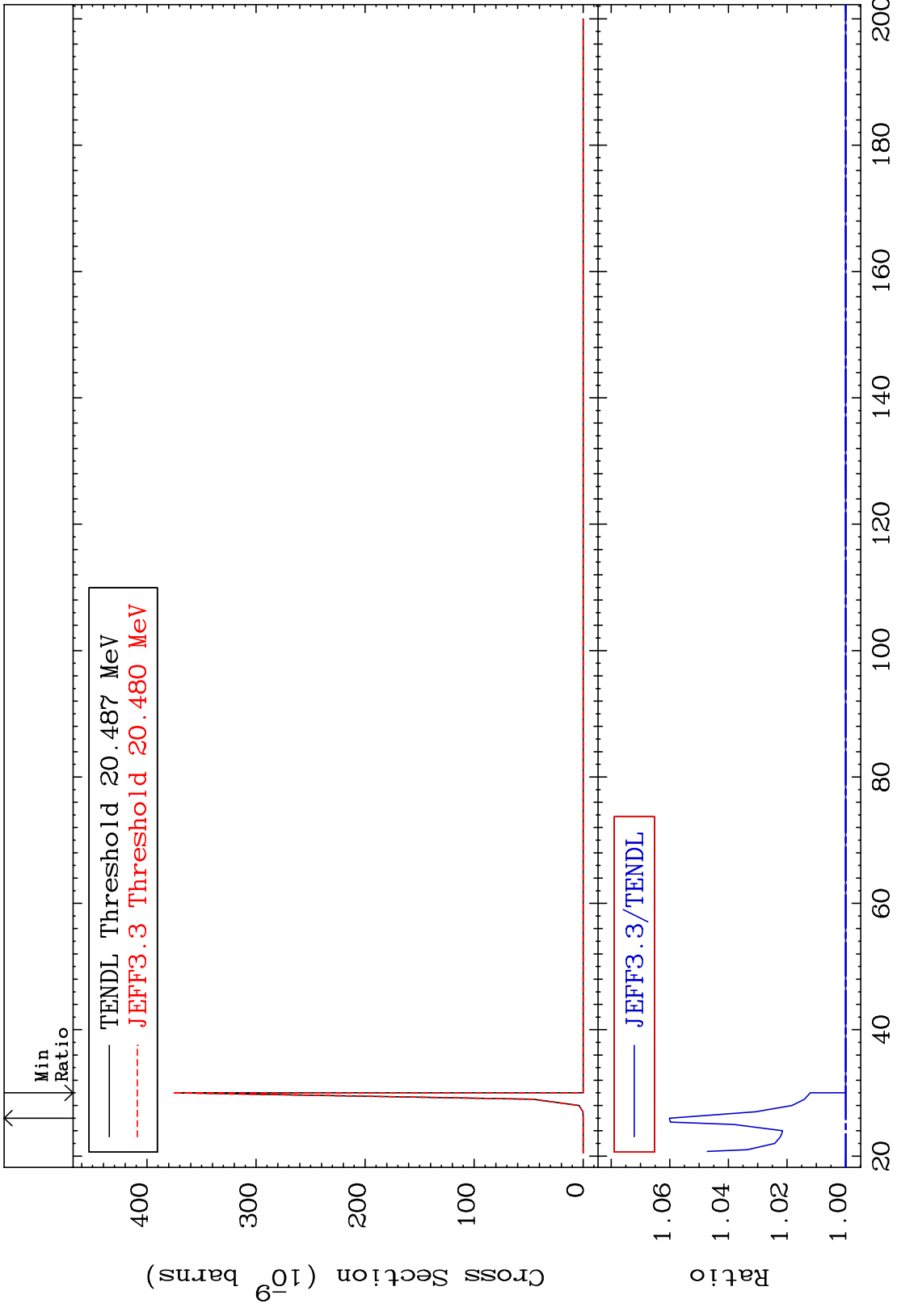
MAT 4455 (n, n') d 44-Ru-106  
 Cross Section 0.000 To 3.888 %



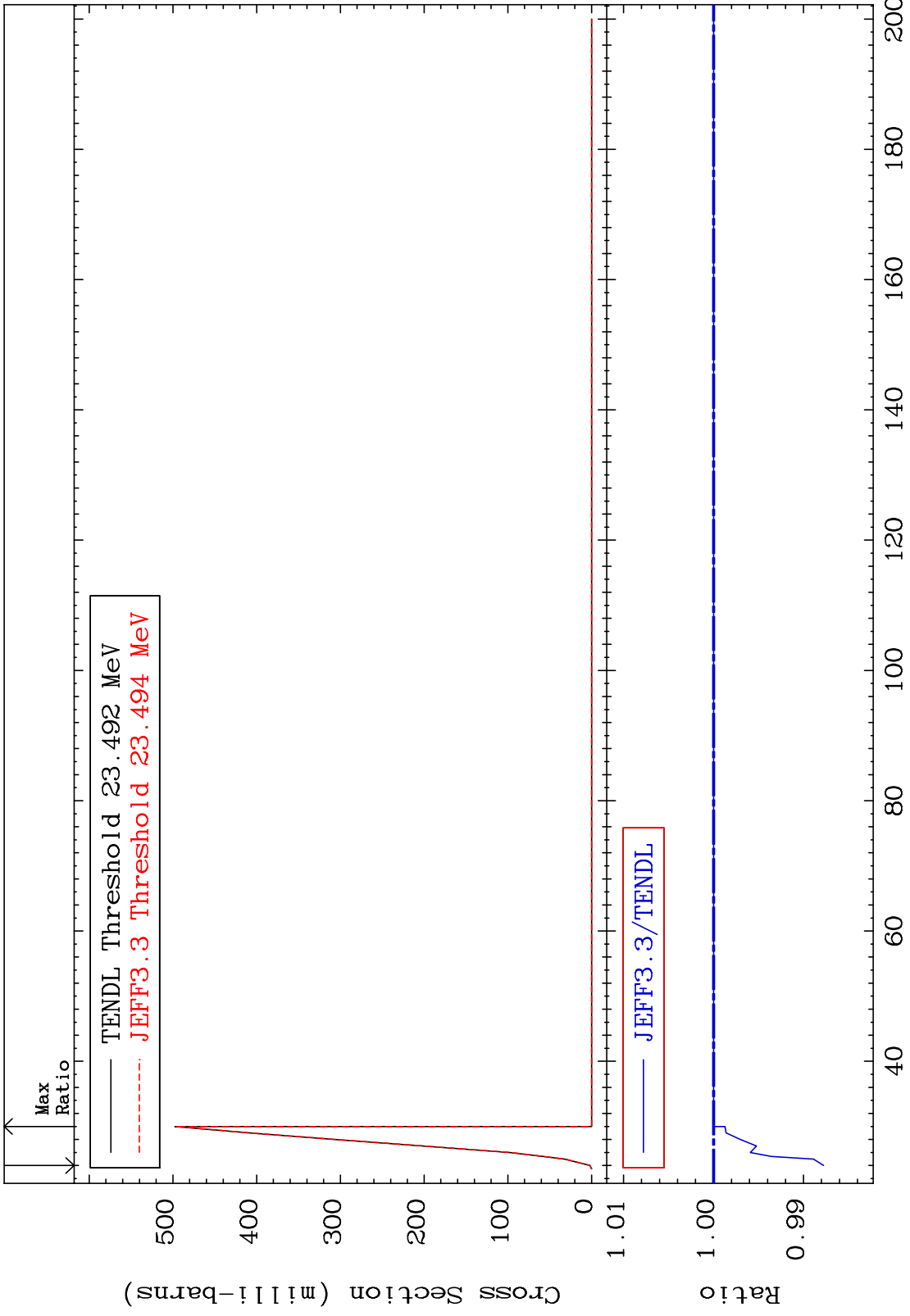
MAT 4455 (n, n') t 44-Ru-106  
Cross Section -15.72 To 1.351 %



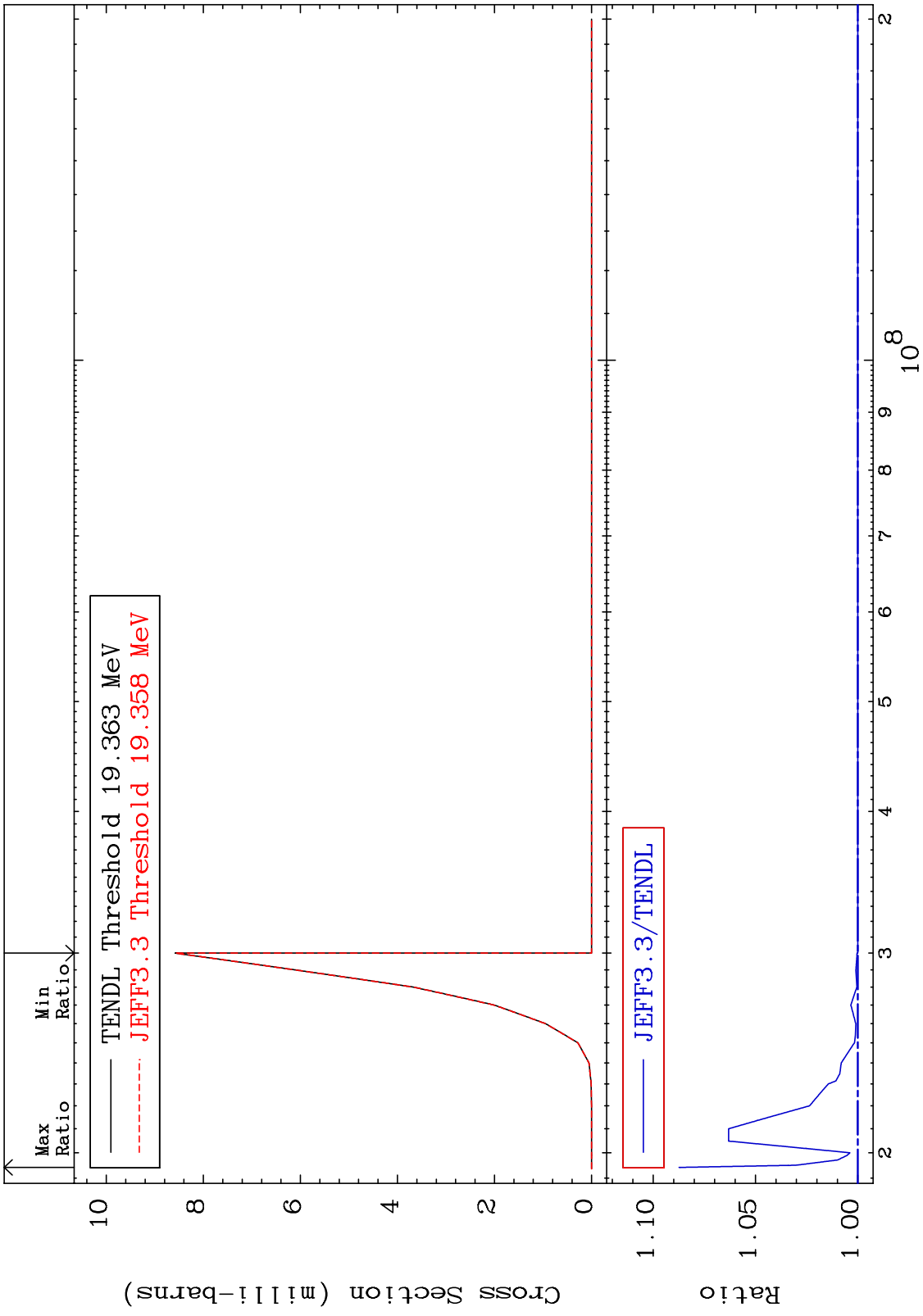
MAT 4455 (n, n') He-3 Cross Section 44-Ru-106 To 6.014 %  
0.000



MAT 4455 (n,4n) Cross Section 44-Ru-106 -1.223 To 0.000 %

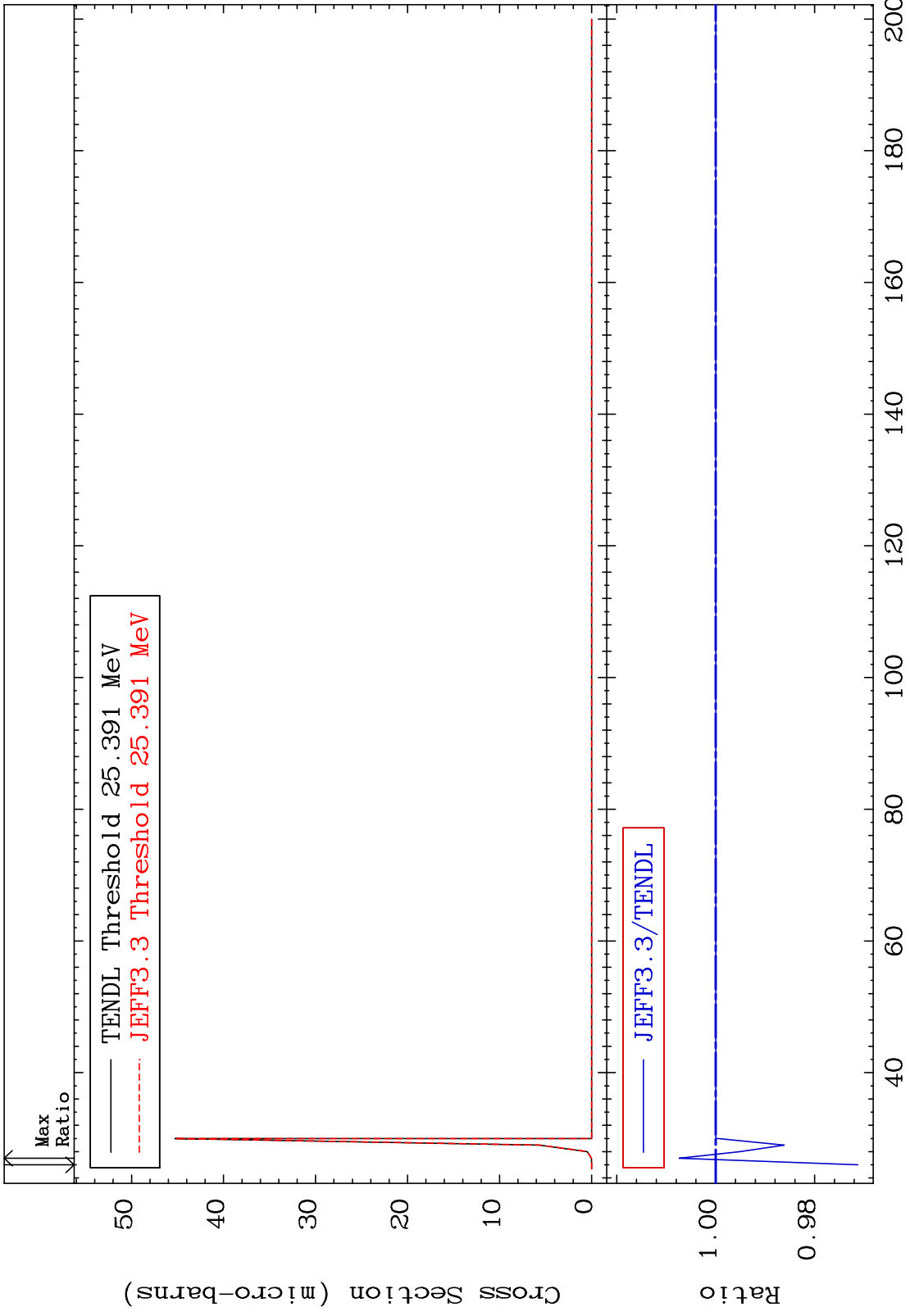


MAT 4455 (n,2n) p 44-Ru-106  
 Cross Section 0.000 To 8.739 %

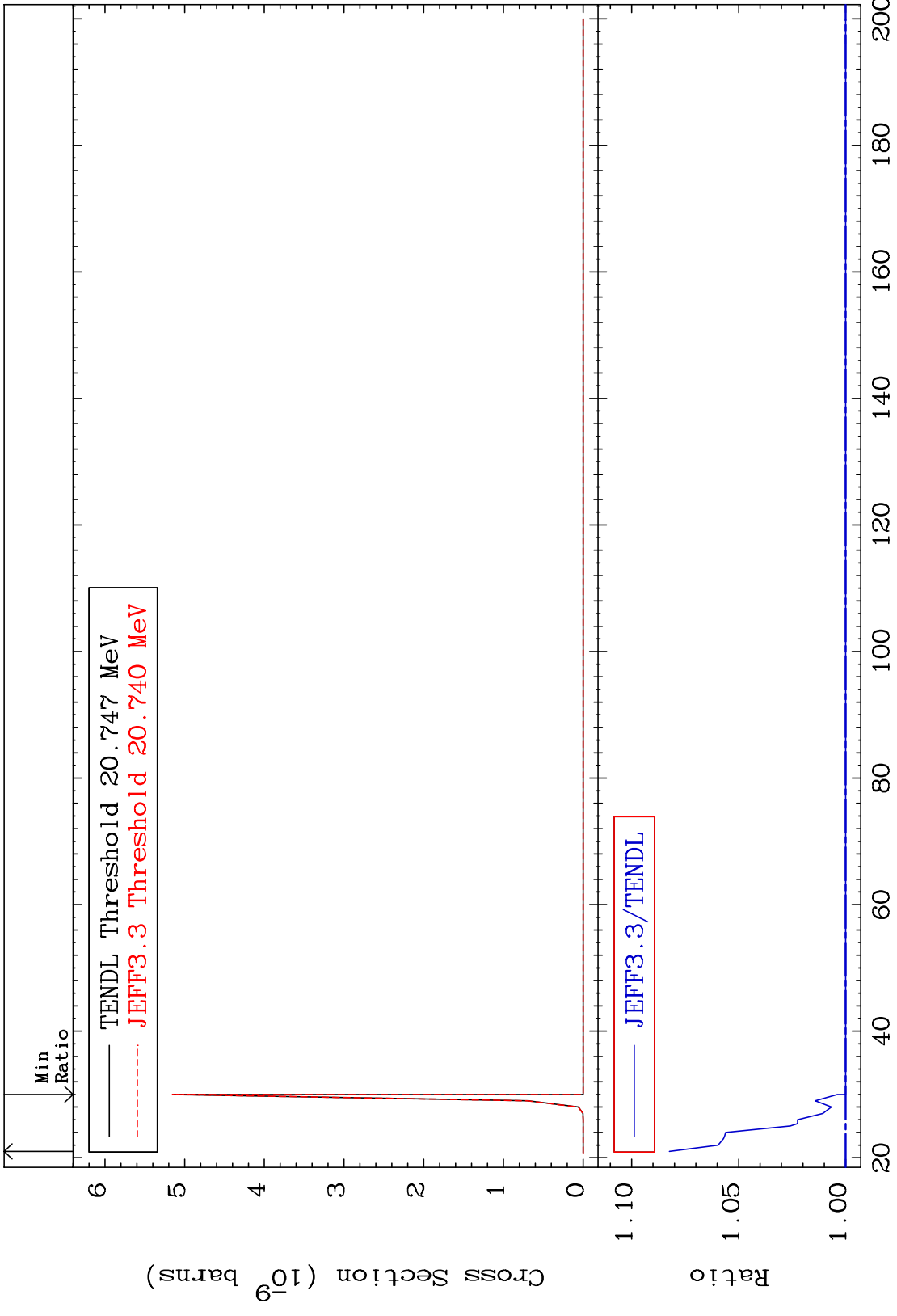




MAT 4455 (n,3n) p 44-Ru-106  
Cross Section -2.874 To 0.739 %



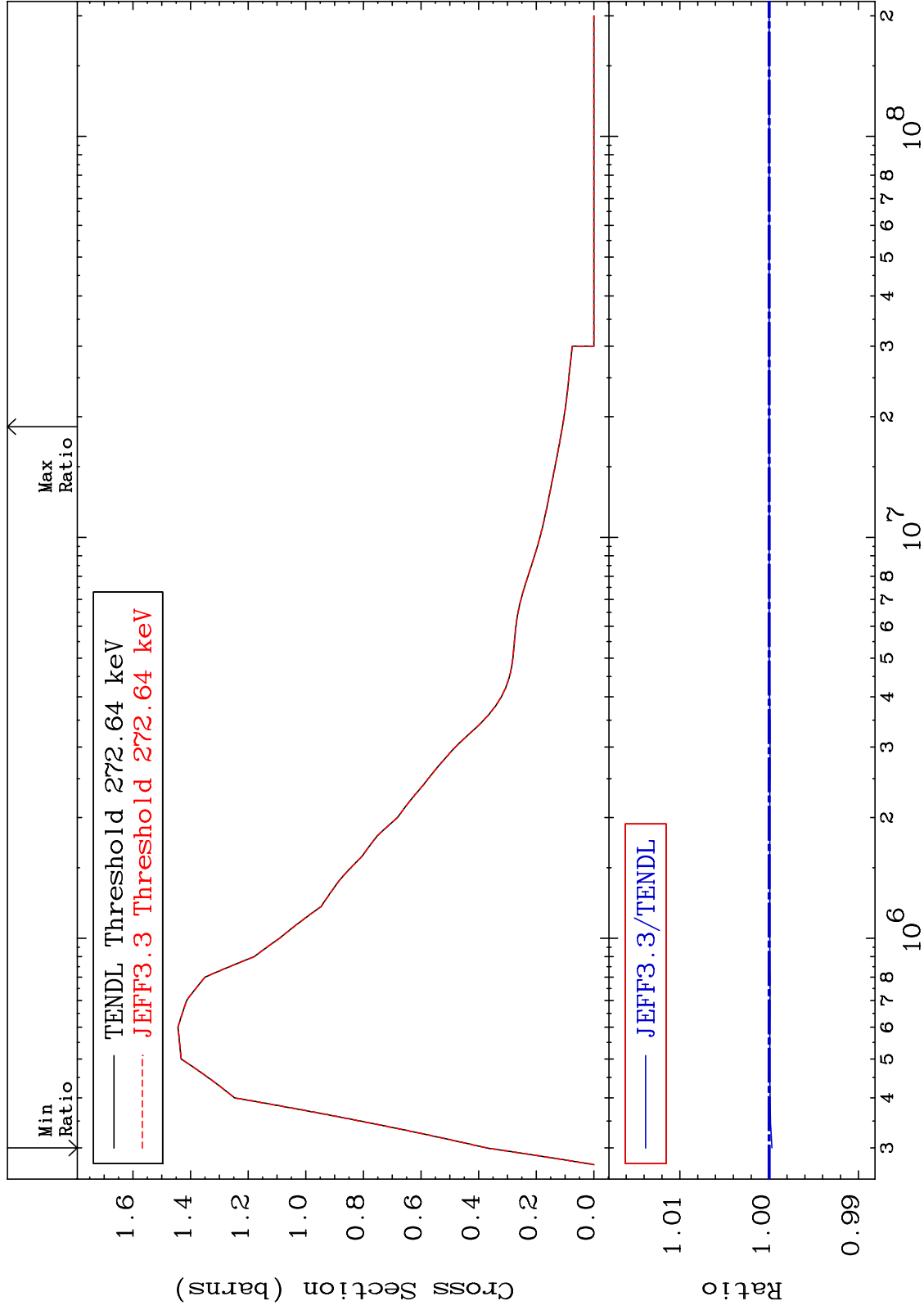
MAT 4455 (n,2n) p 44-Ru-106  
Cross Section 0.000 To 8.235 %



MAT 4455

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

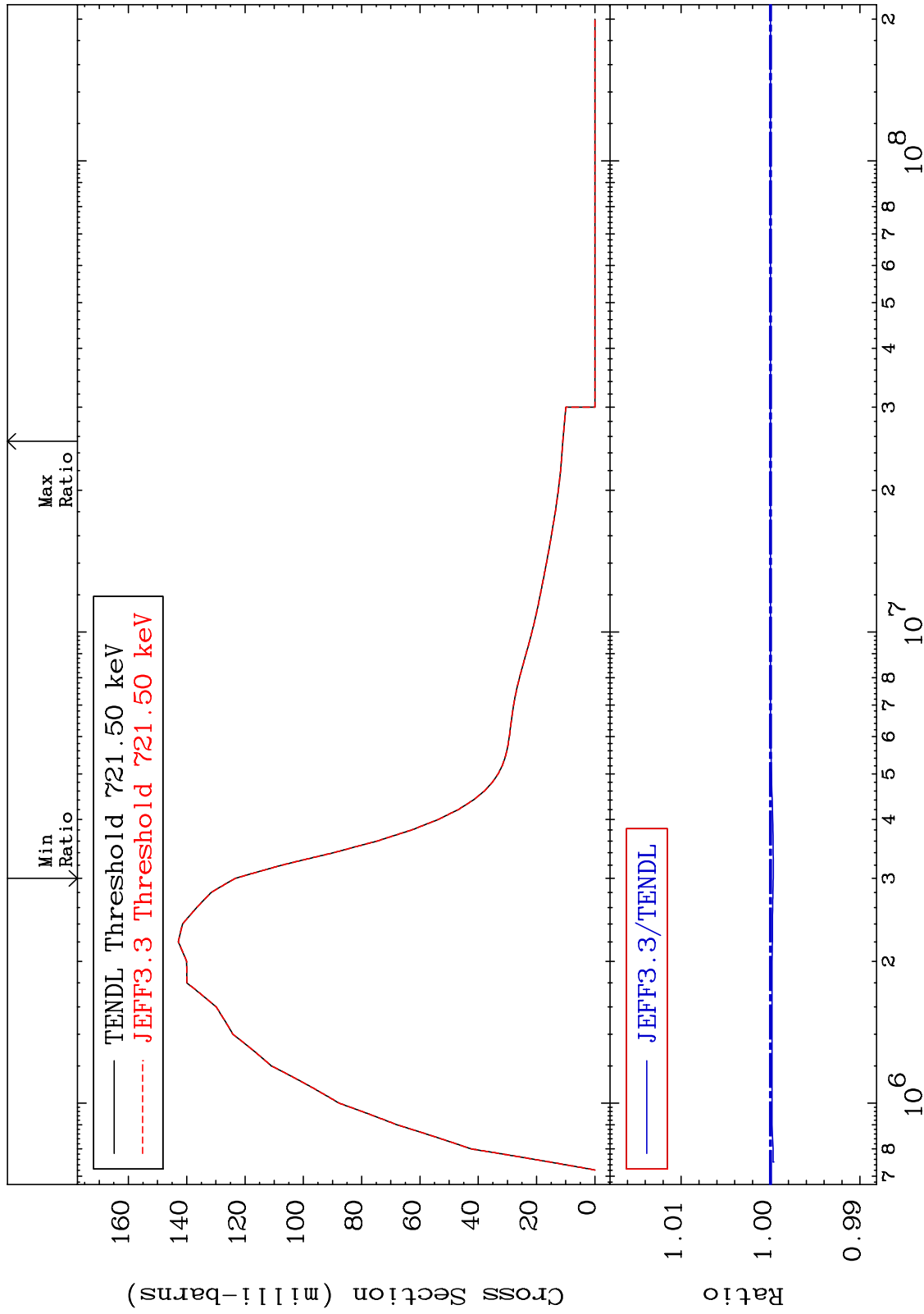
44-Ru-106  
-0.031 To 0.000 %



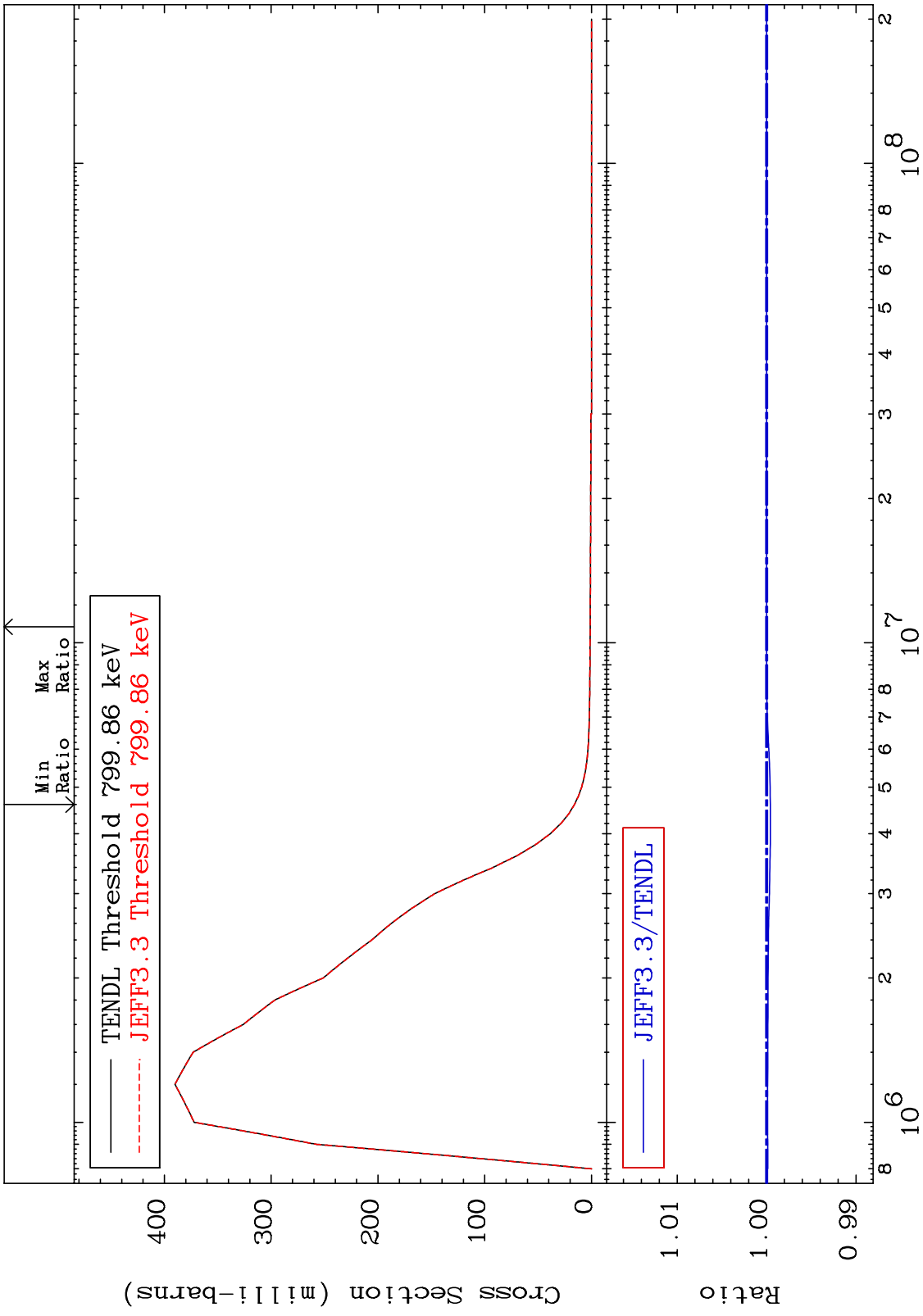
MAT 4455

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

44-Ru-106  
-0.031 To 0.000 %



MAT 4455 MT= 53 (n,n') Level Cross Section 44-Ru-106 -0.042 To 0.000 %

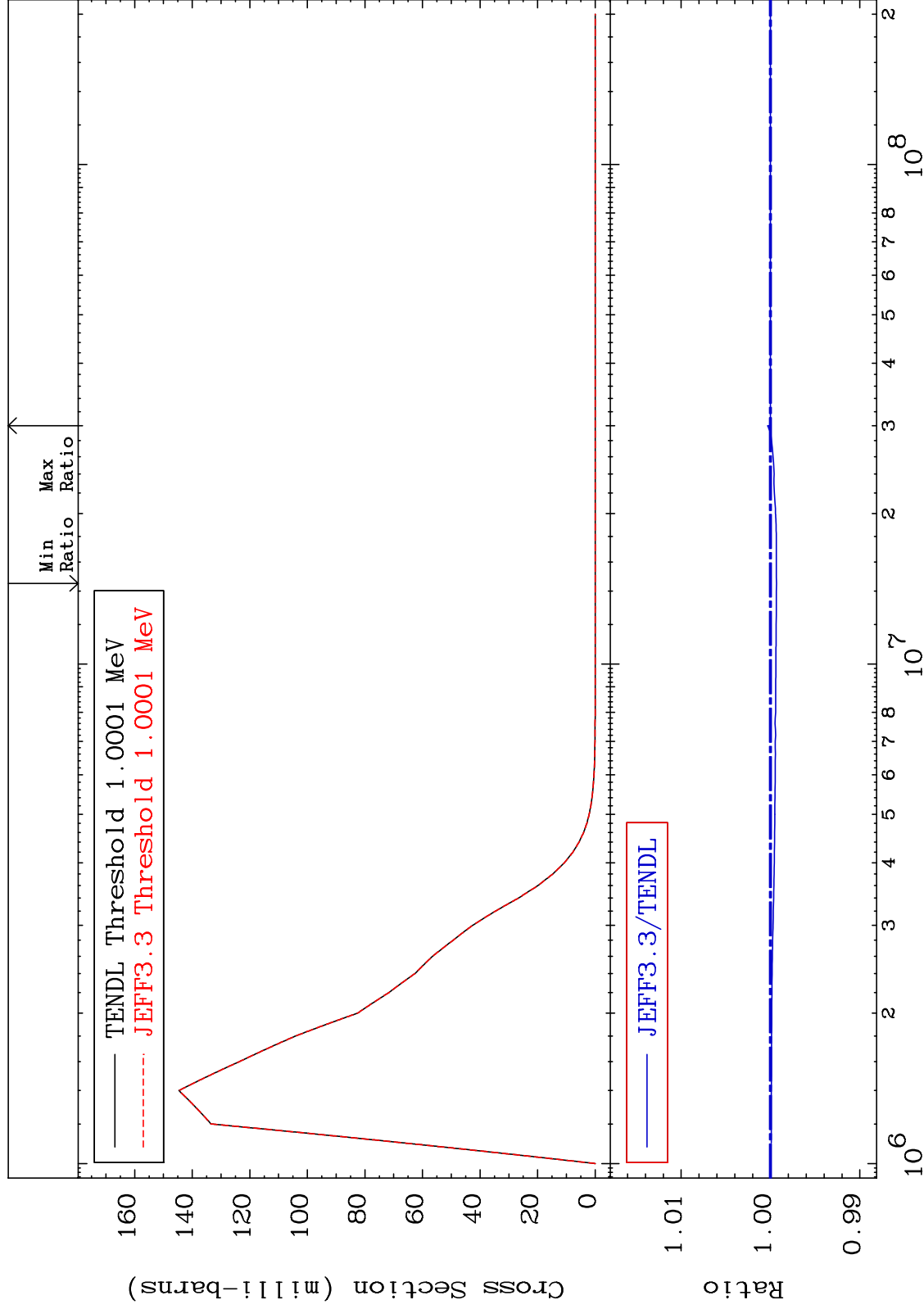


20 Incident Energy (eV) 44-Ru-106

MAT 4455

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

44-Ru-106  
-0.066 To 0.033 %

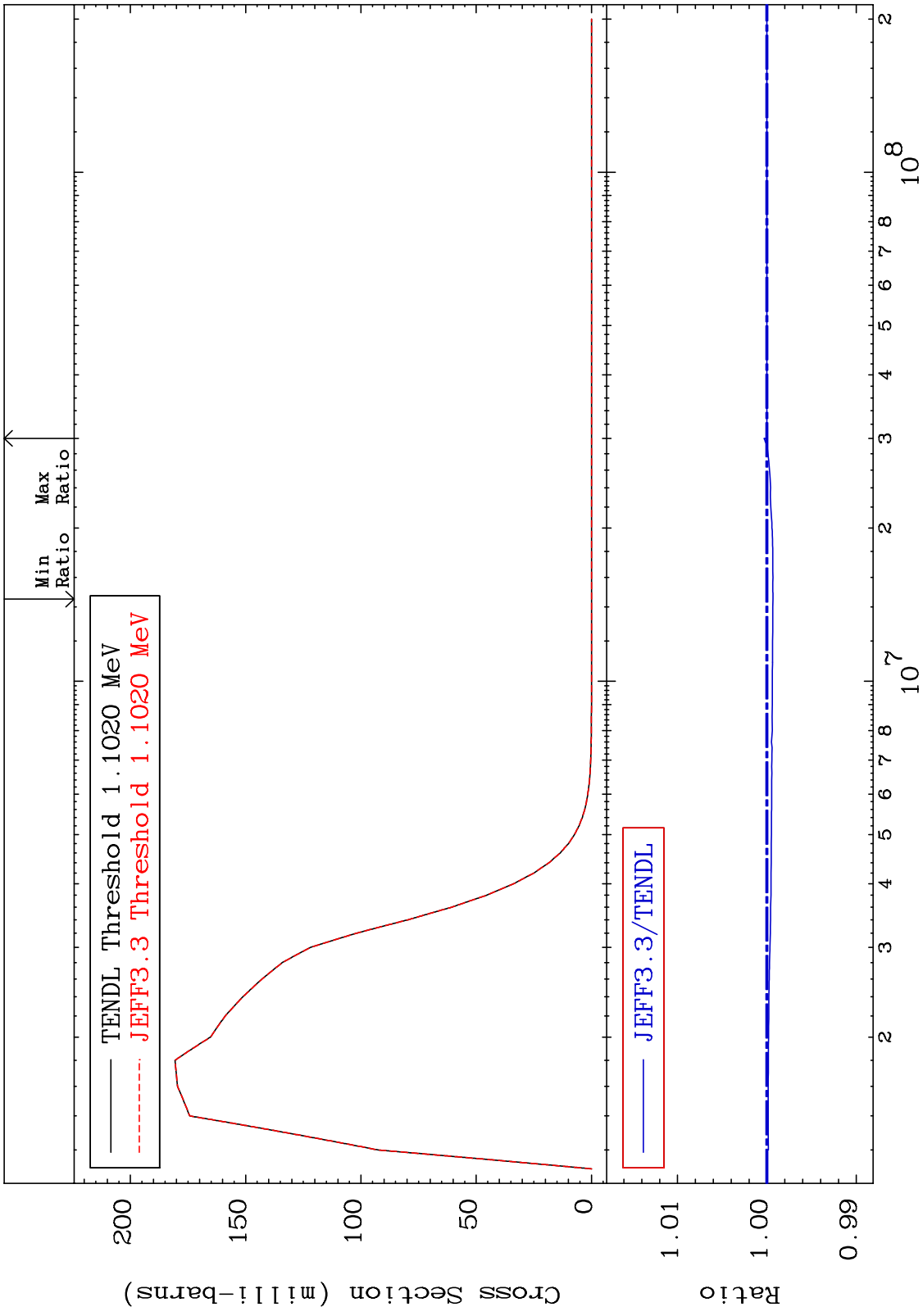


21

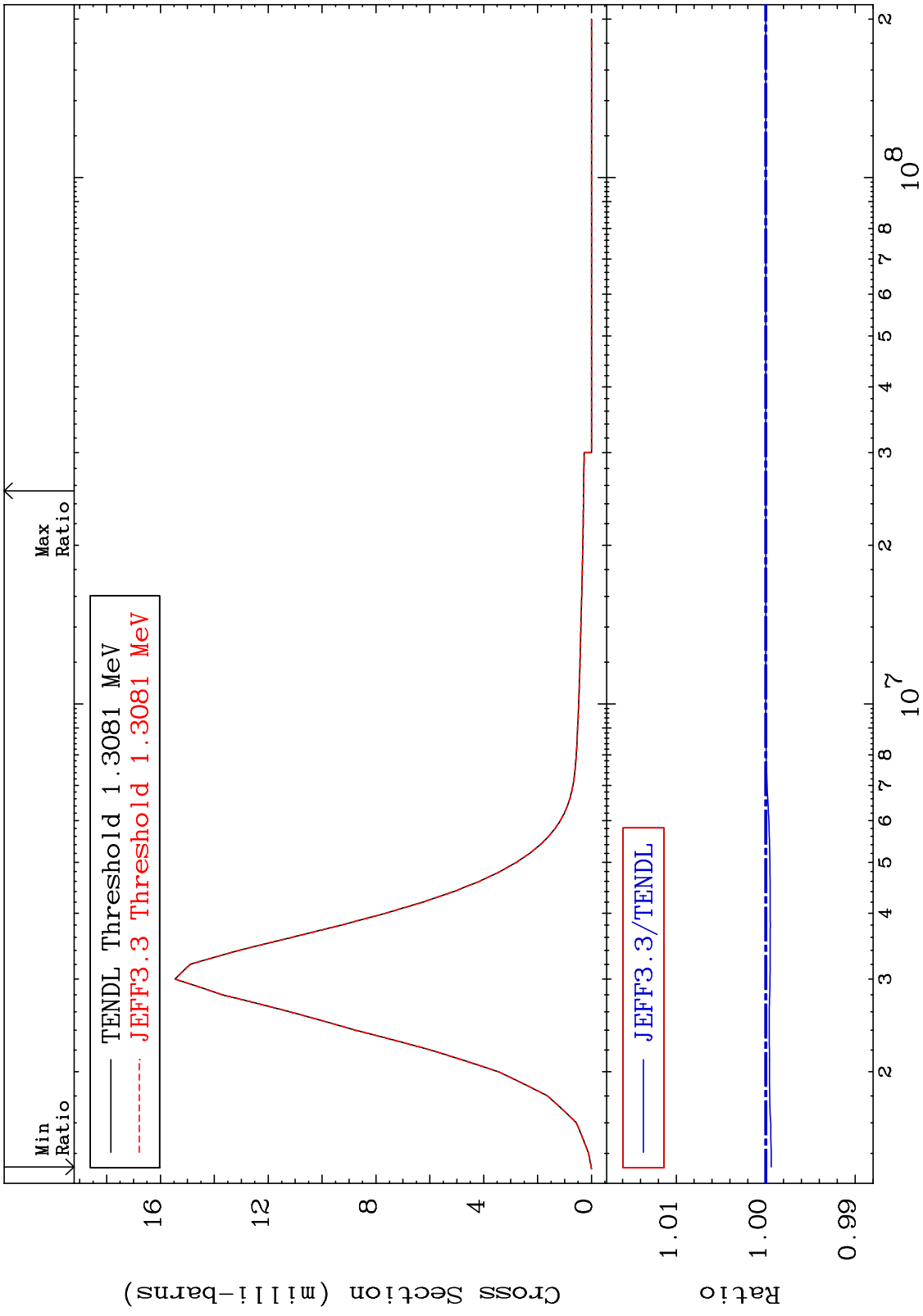
Incident Energy (eV)

44-Ru-106

MAT 4455 MT= 55 (n, n') Level Cross Section 44-Ru-106 -0.067 To 0.033 %

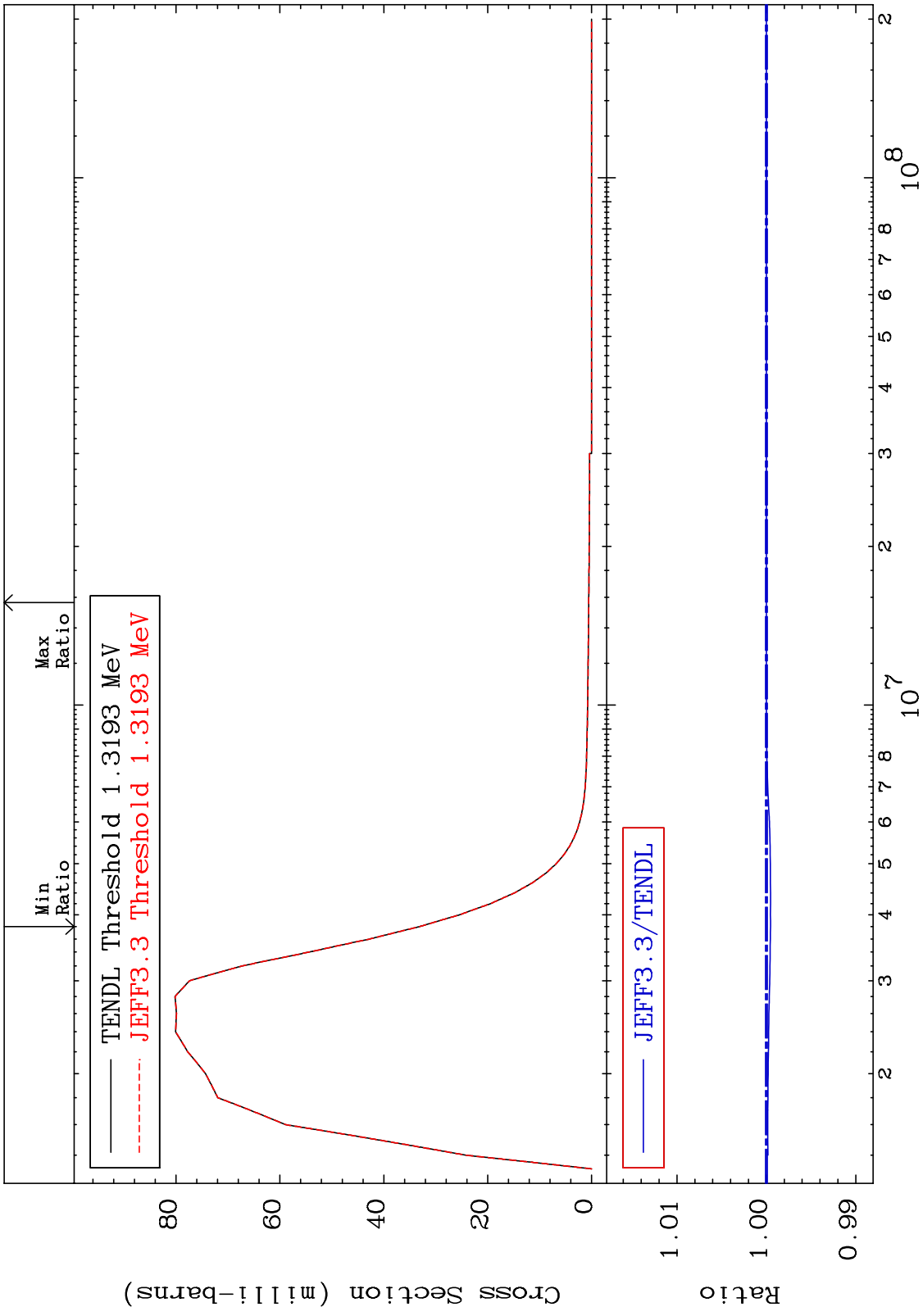


MAT 4455 MT= 56 (n,n') Level Cross Section -0.062 To 0.000 % 44-Ru-106

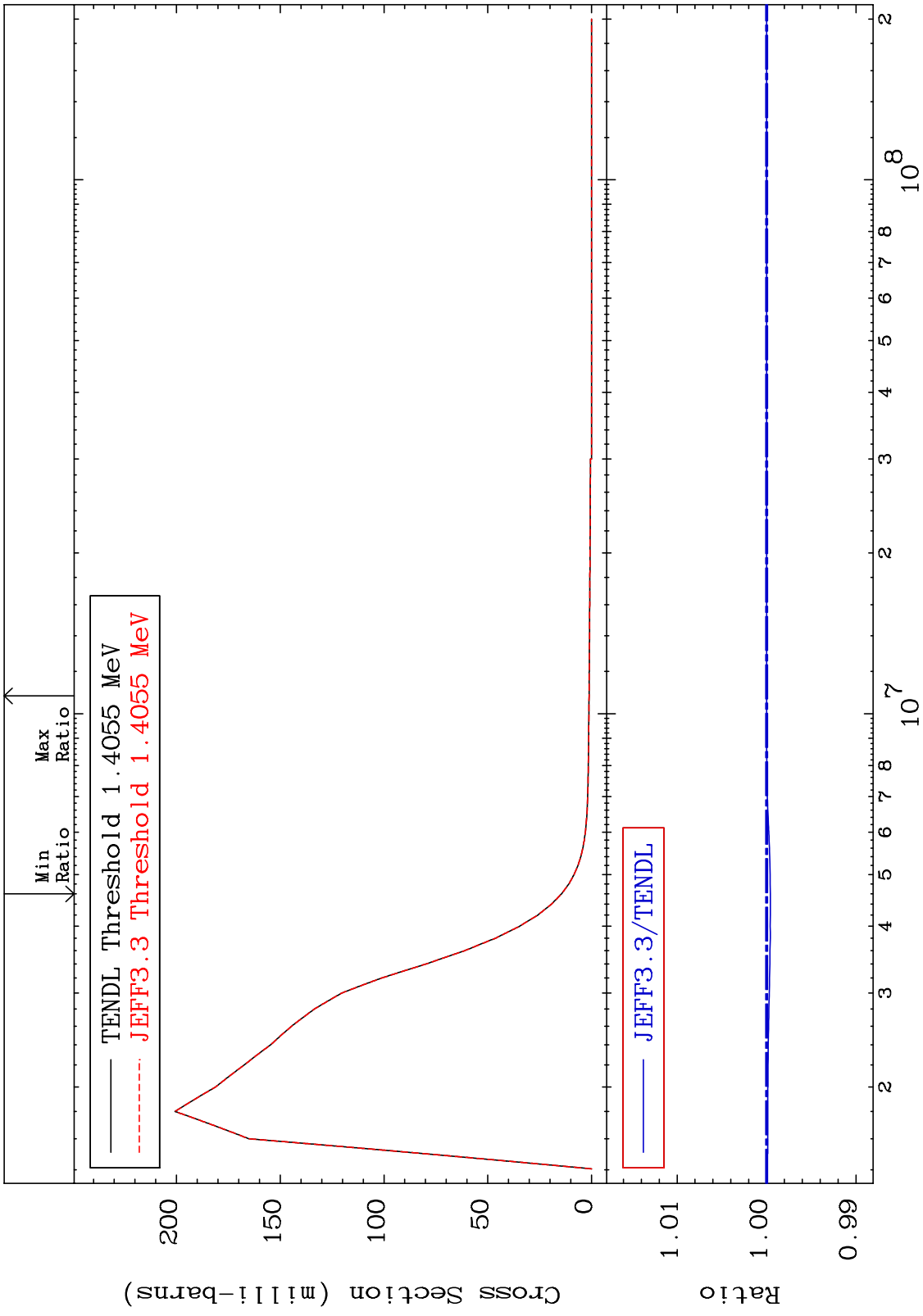




MAT 4455 MT= 57 (n,n') Level Cross Section 44-Ru-106 -0.046 To 0.000 %



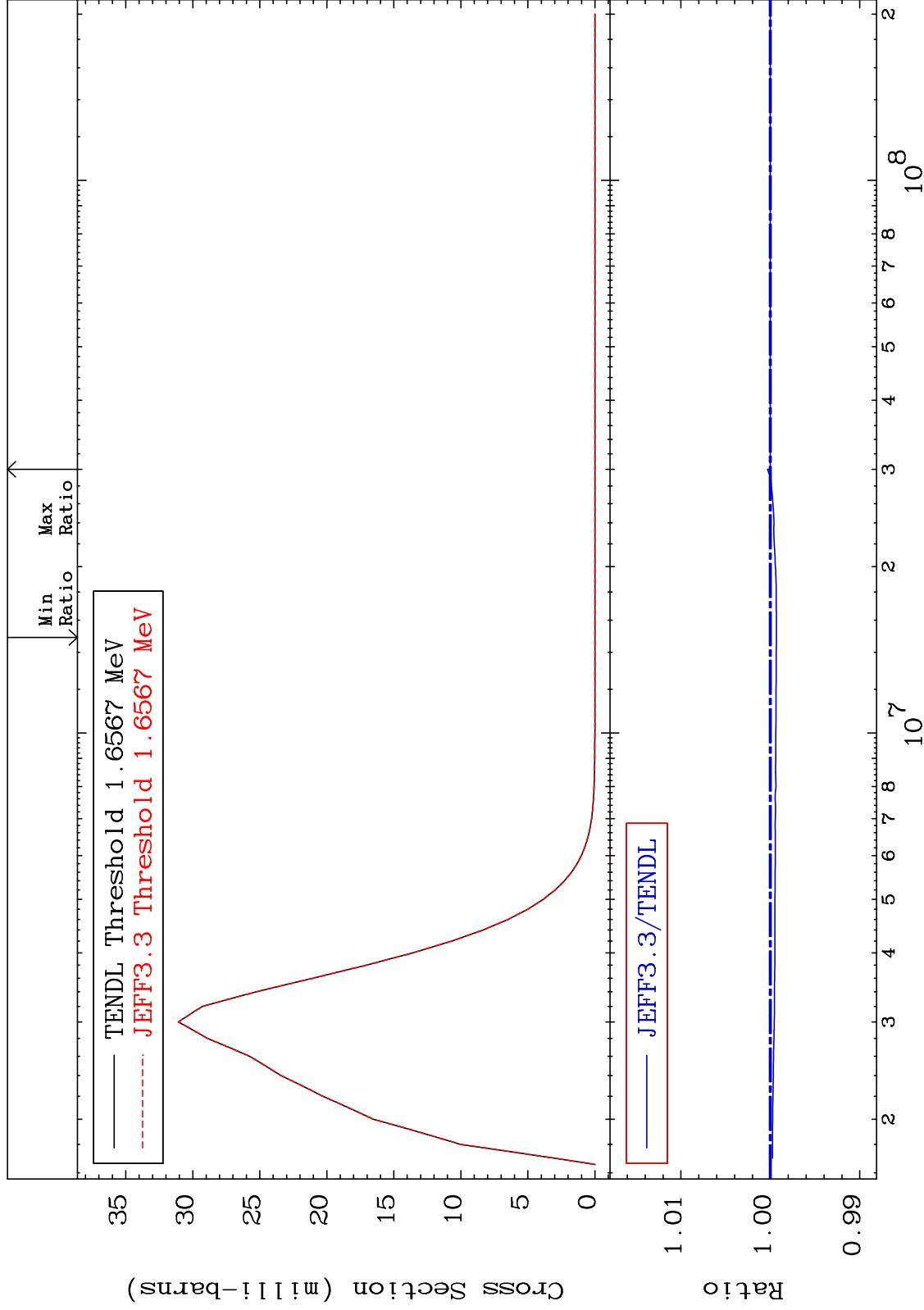
MAT 4455 MT= 58 (n,n') Level Cross Section 44-Ru-106  
 -0.042 To 0.000 %



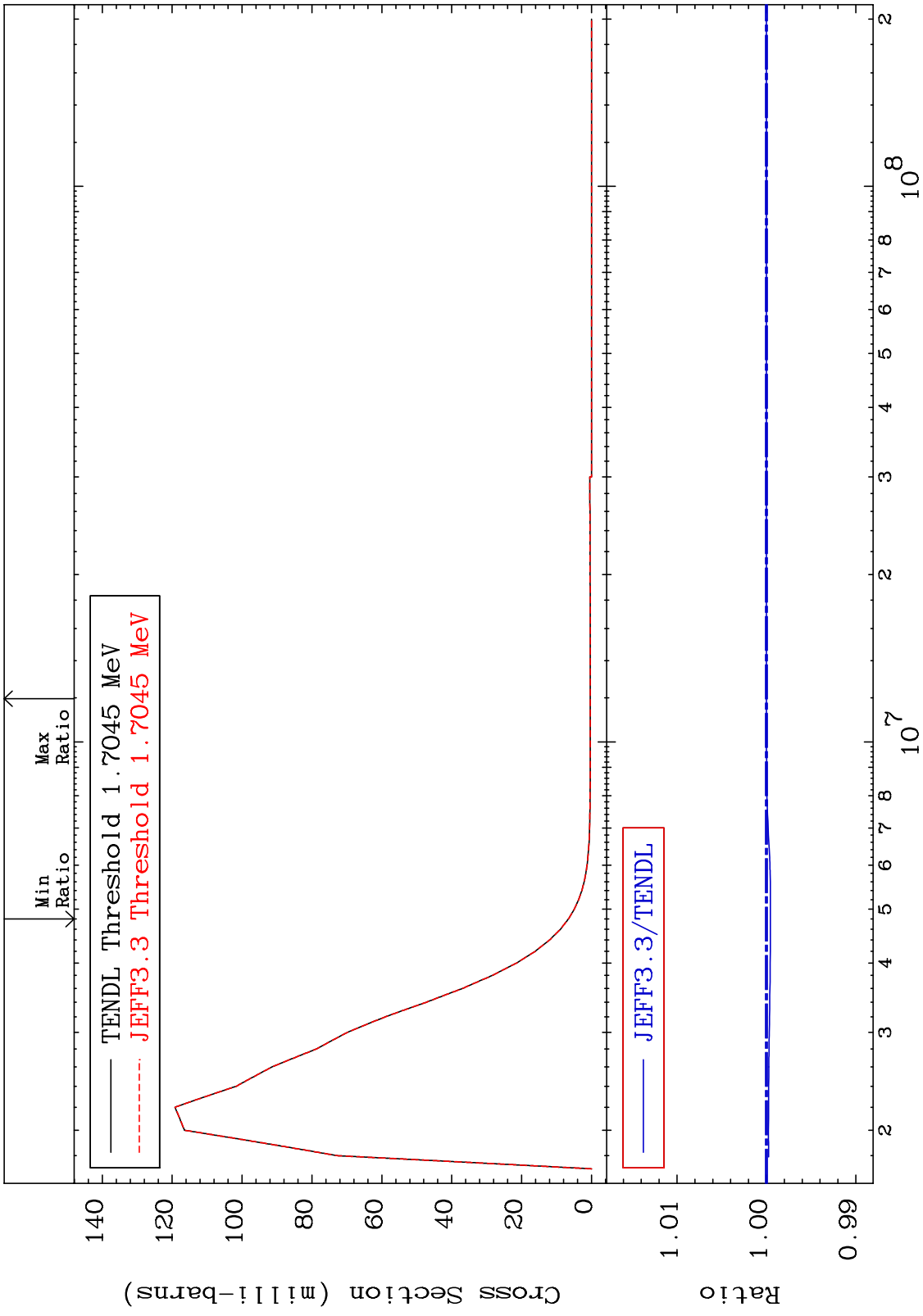
MAT 4455

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

44-Ru-106  
-0.067 To 0.033 %



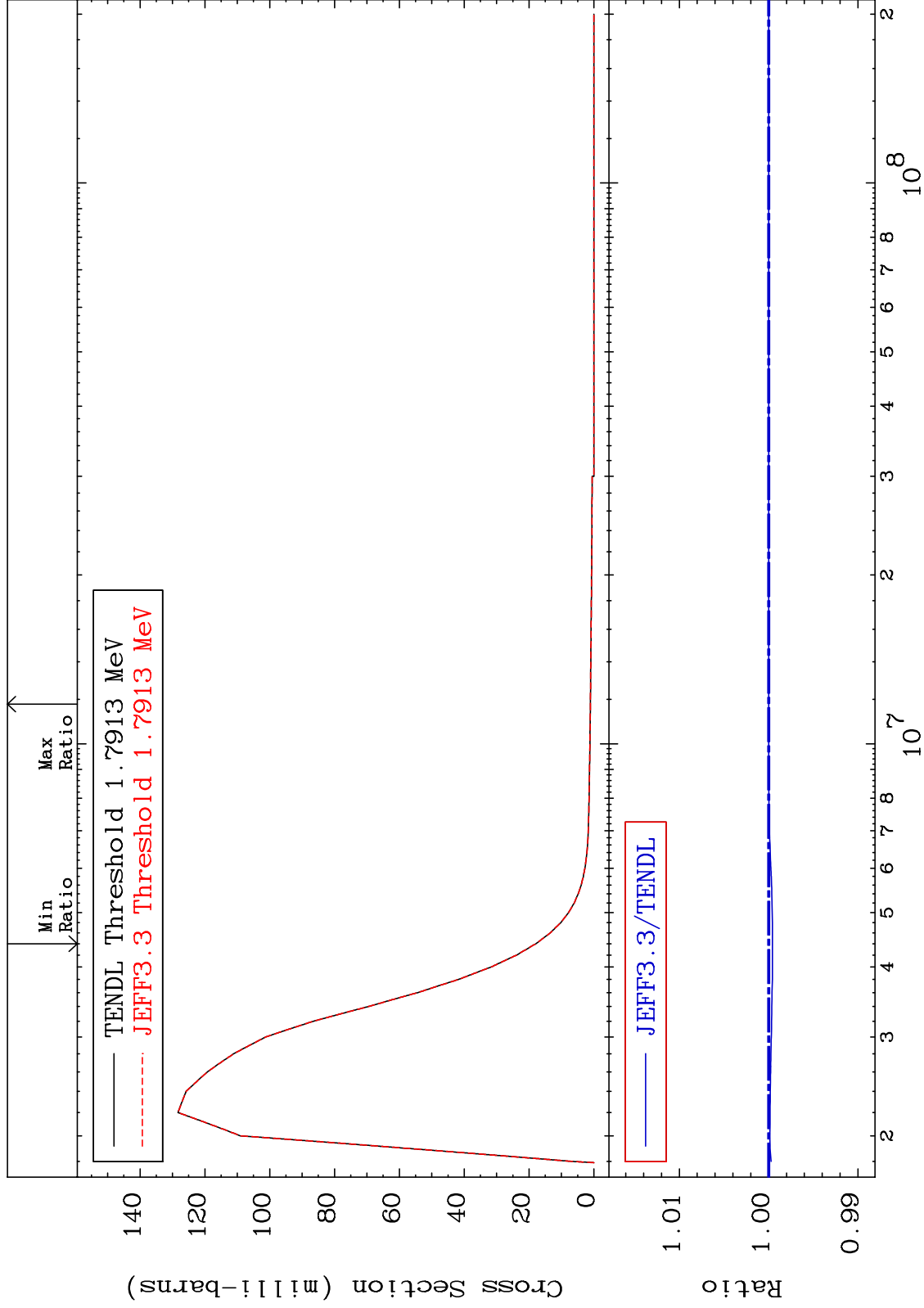
MAT 4455 MT= 60 (n,n') Level Cross Section 44-Ru-106 -0.045 To 0.000 %



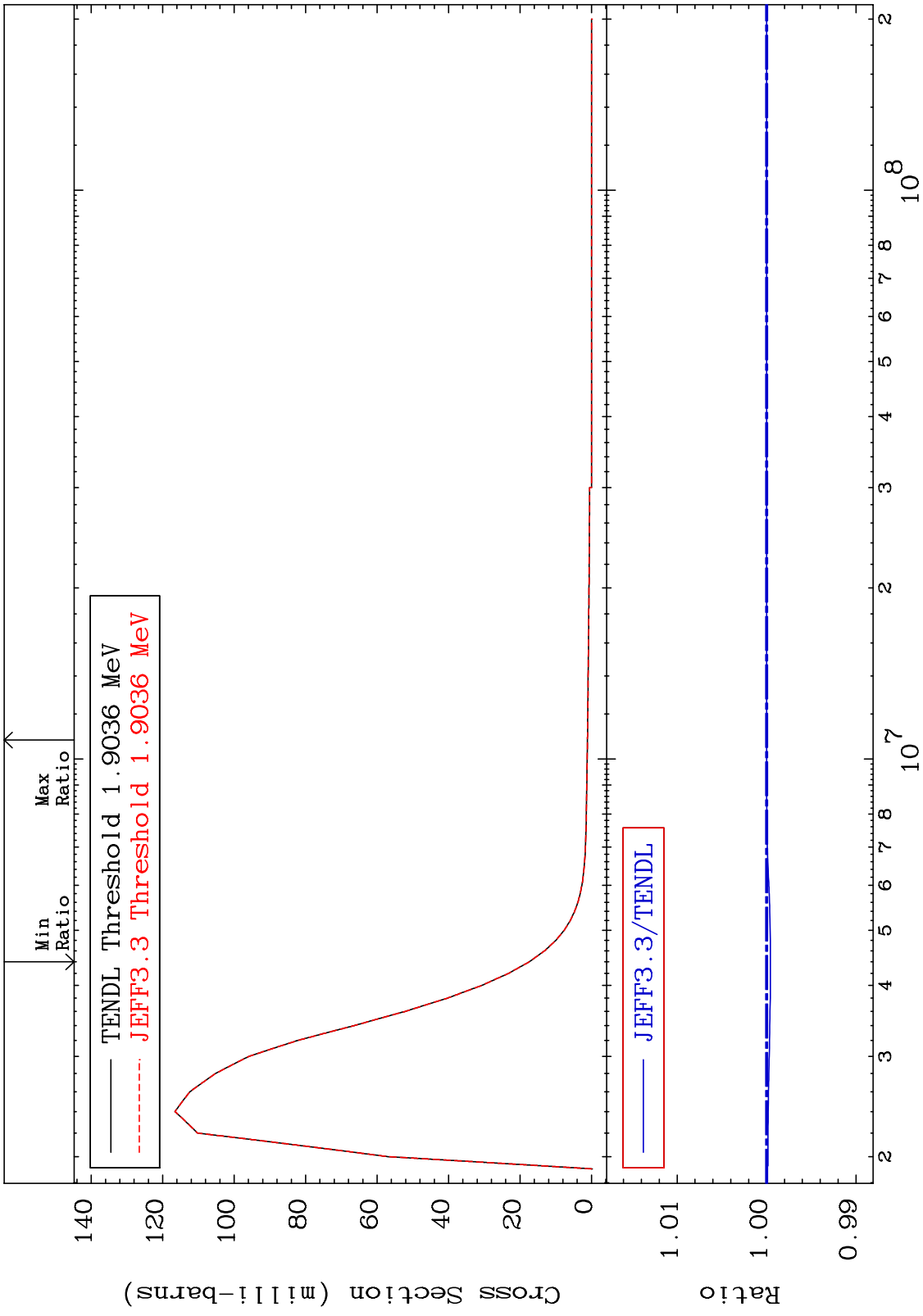
MAT 4455

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

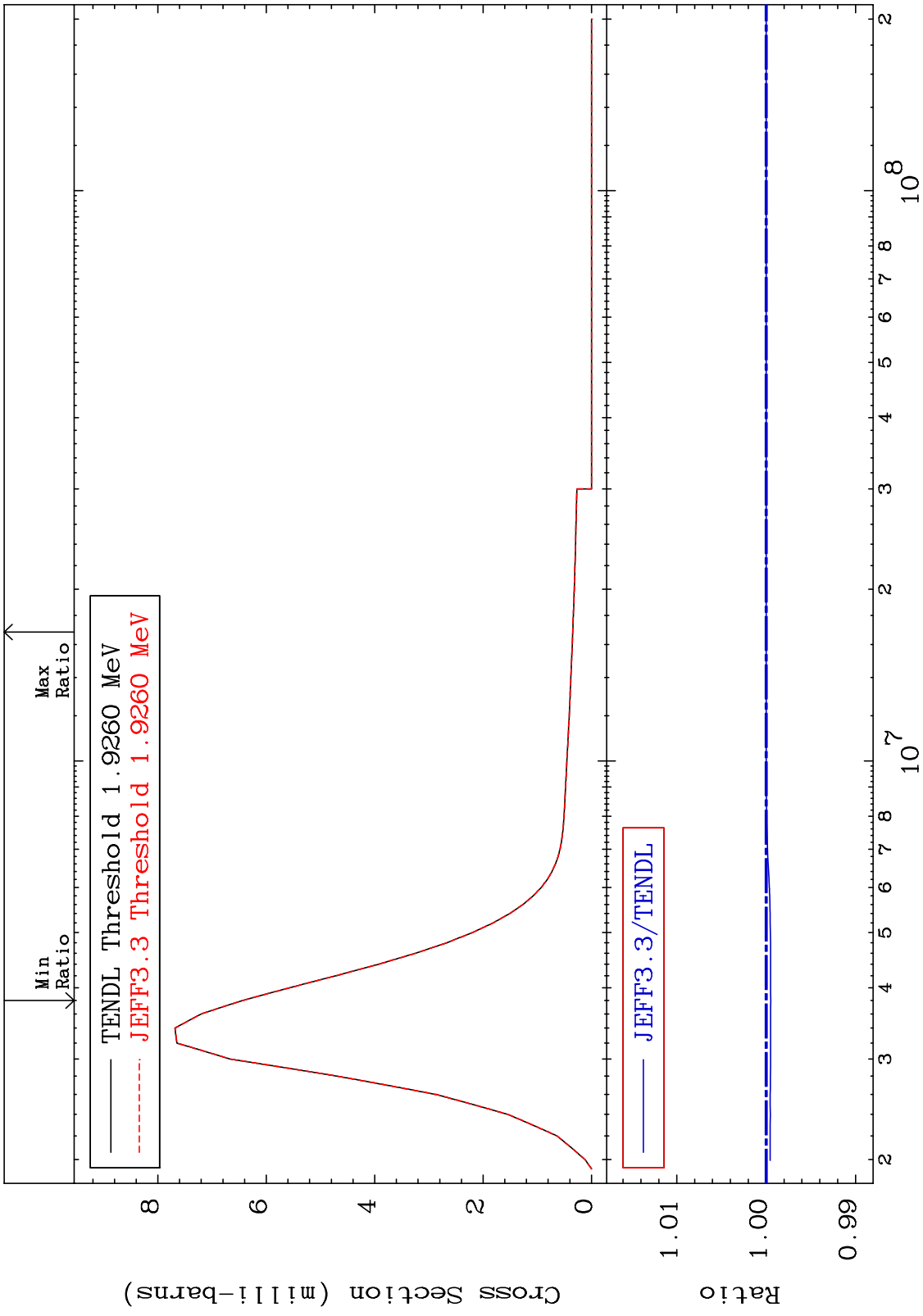
44-Ru-106  
-0.042 To 0.000 %



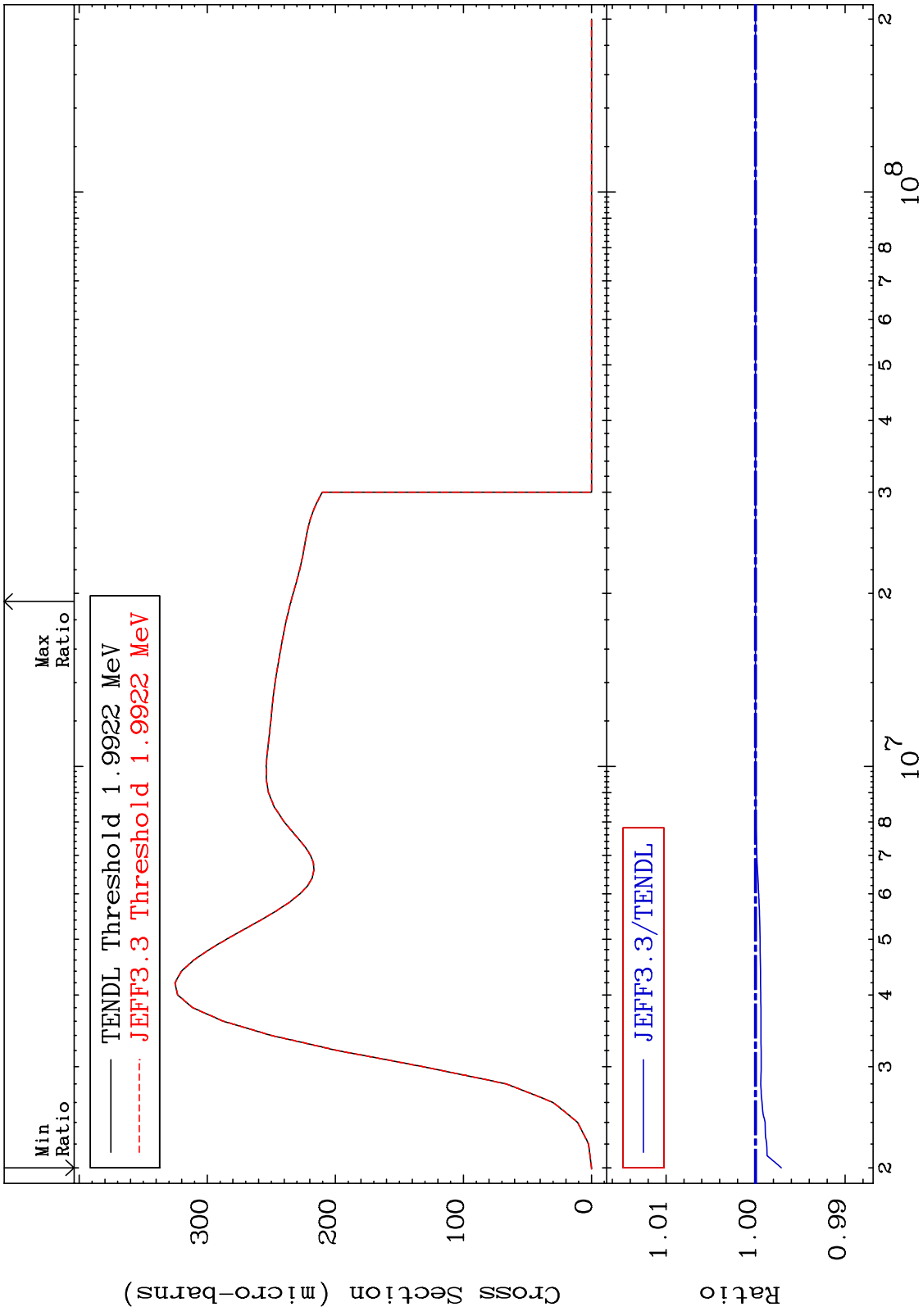
MAT 4455 MT= 62 (n,n') Level Cross Section 44-Ru-106 -0.042 To 0.000 %



MAT 4455 MT= 63 (n,n') Level Cross Section 44-Ru-106  
 -0.051 To 0.000 %

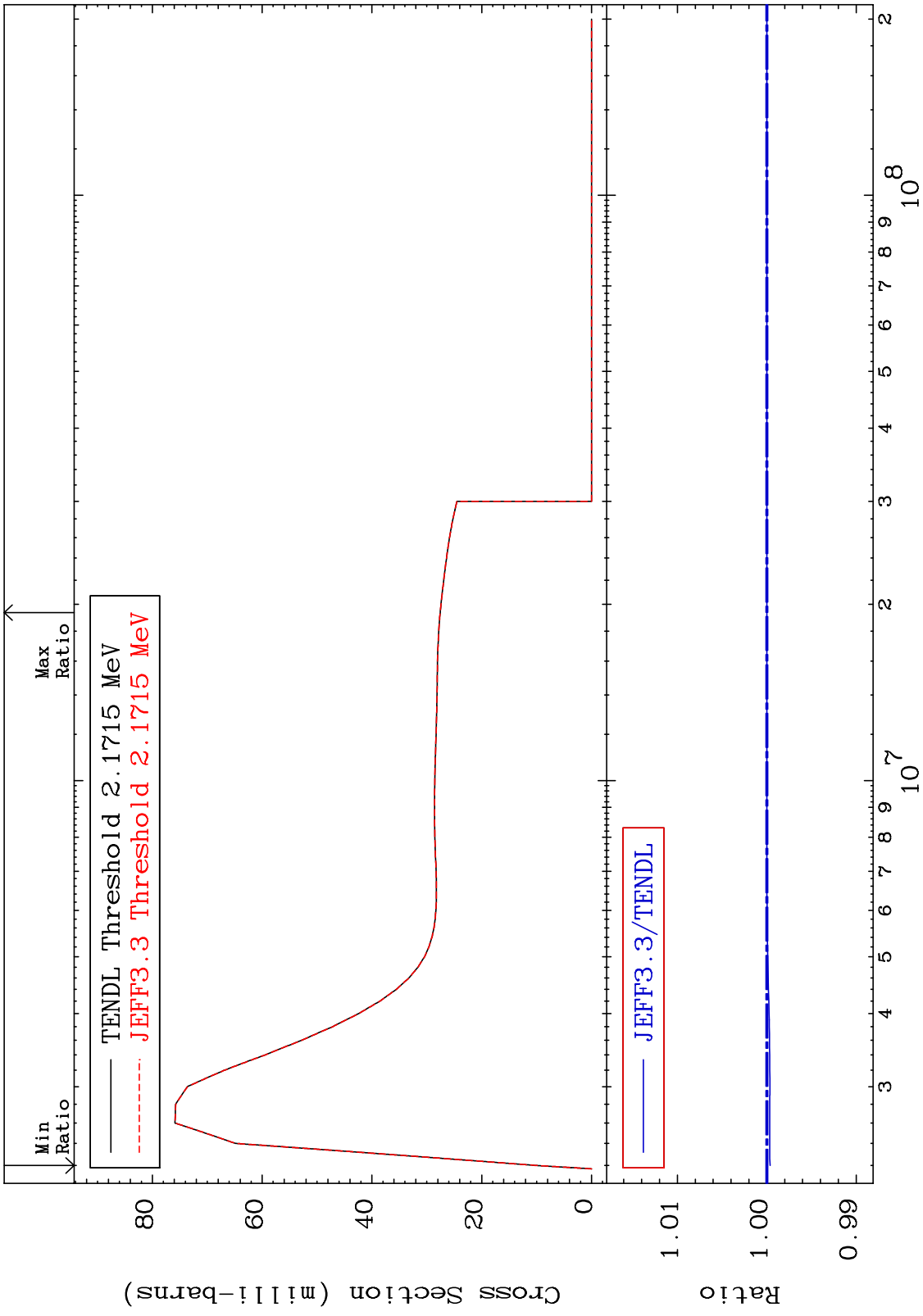


MAT 4455 MT= 64 (n,n') Level Cross Section 44-Ru-106  
 -0.288 To 0.000 %

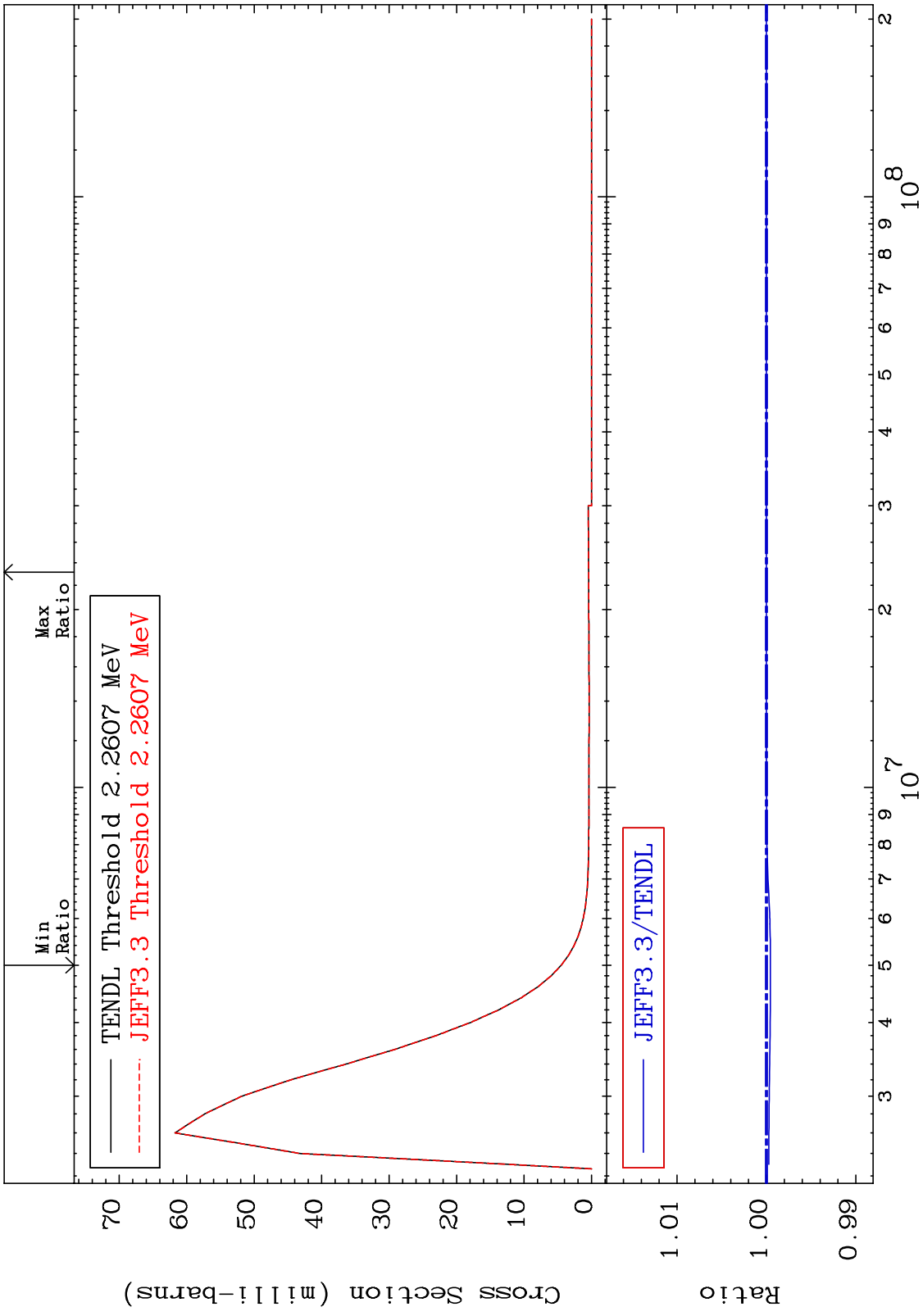




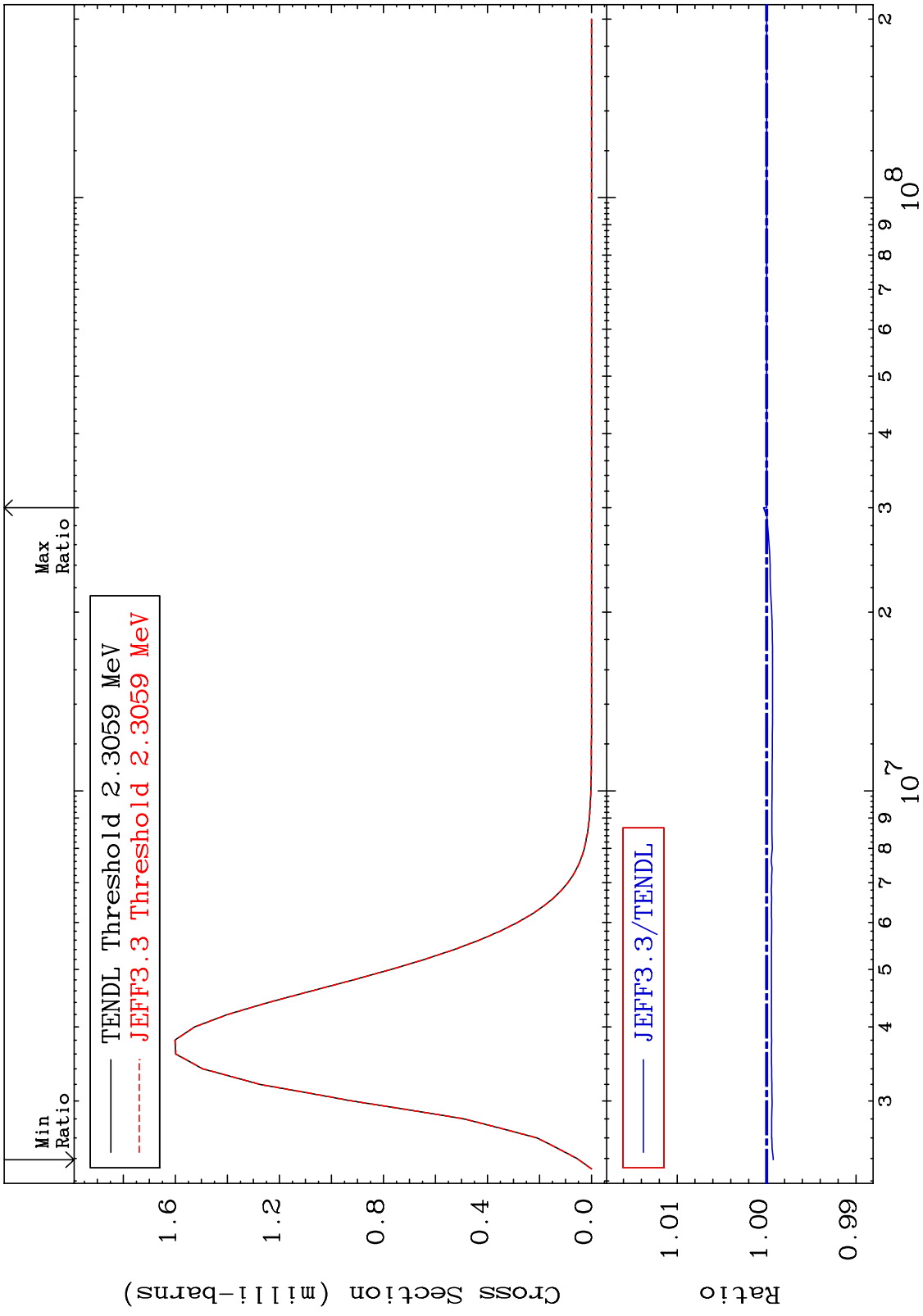
MAT 4455 MT= 65 (n,n') Level Cross Section 44-Ru-106 -0.036 To 0.000 %



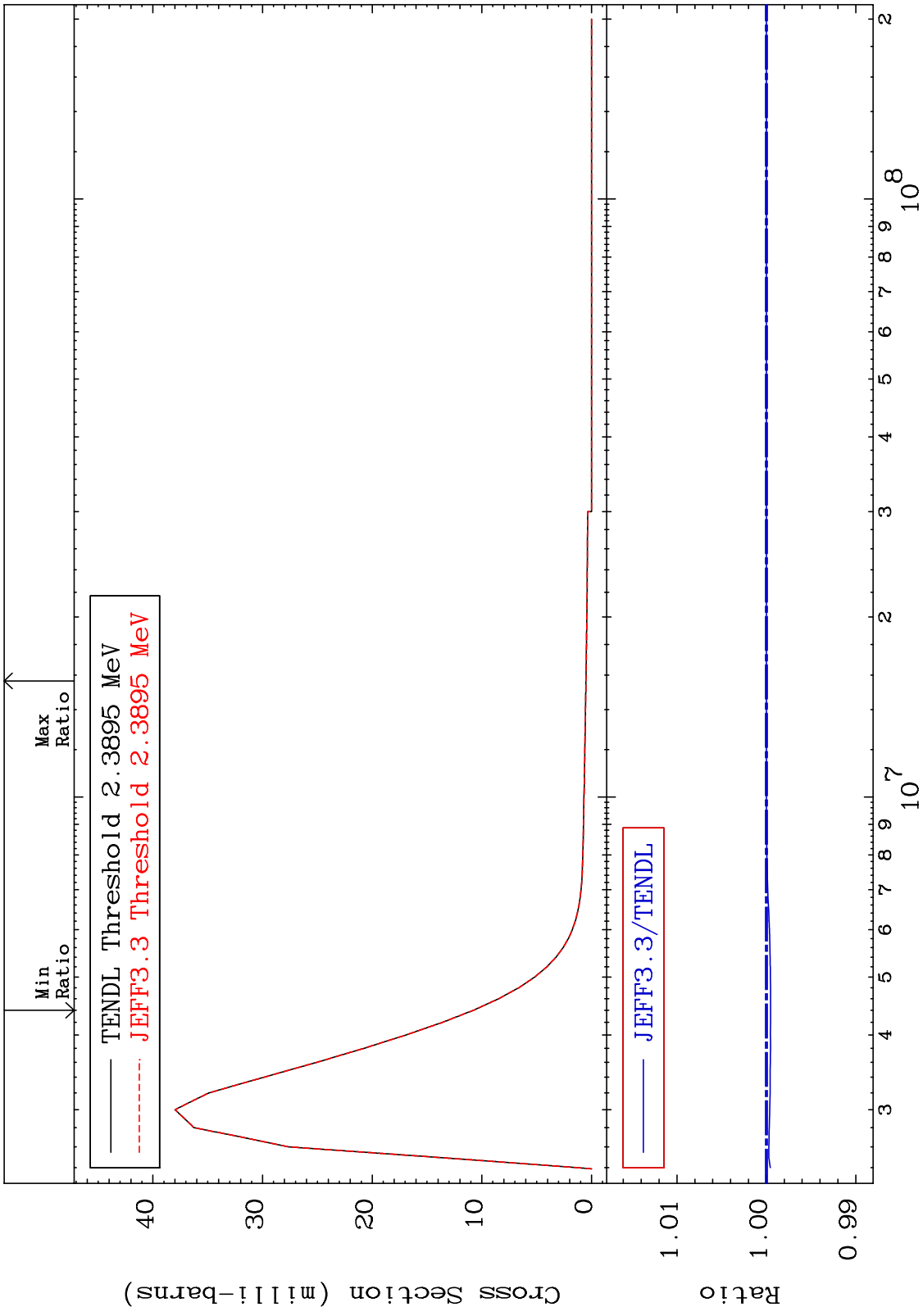
MAT 4455 MT= 66 (n,n') Level Cross Section 44-Ru-106  
 -0.044 To 0.000 %



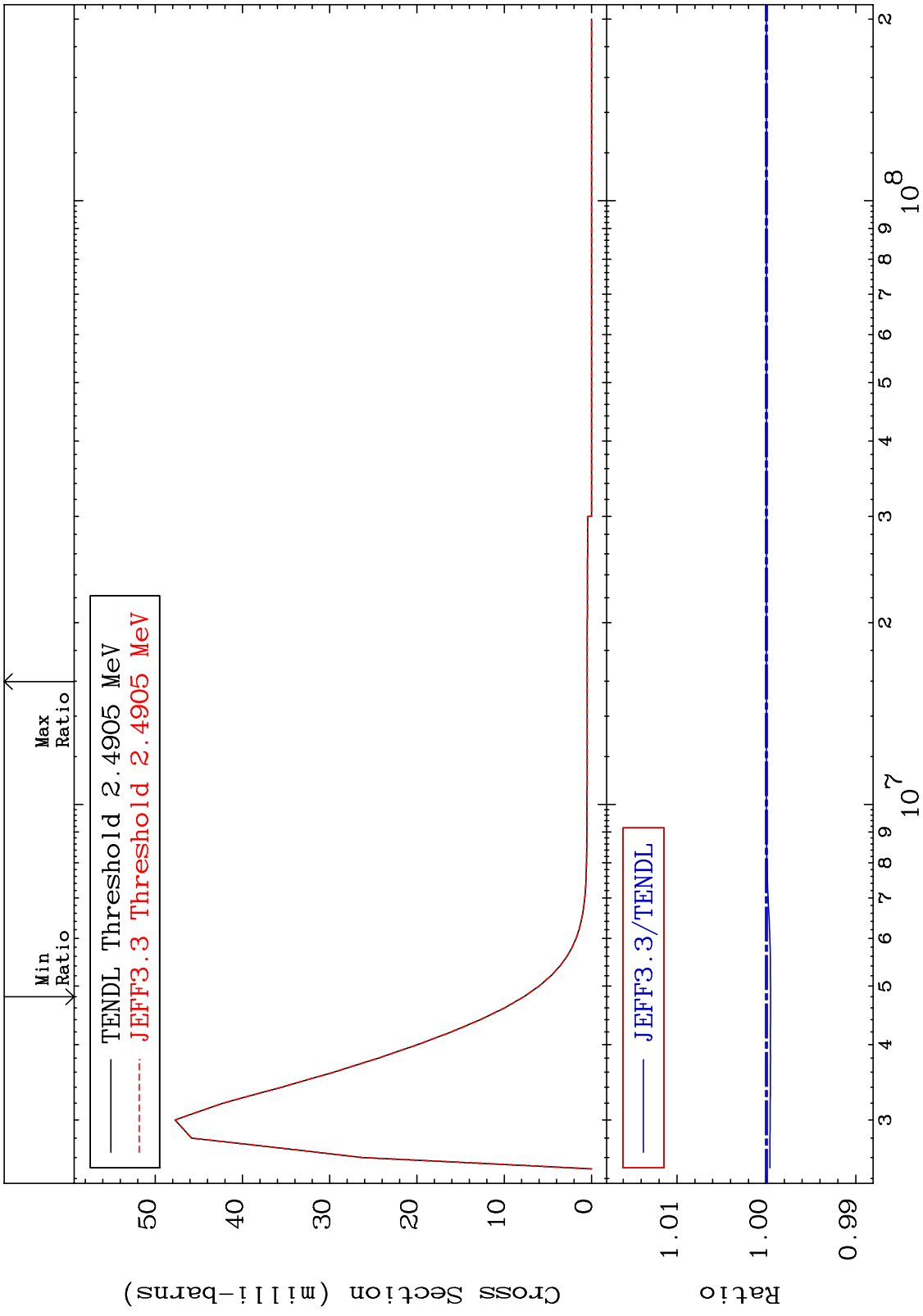
MAT 4455 MT= 67 (n, n') Level Cross Section 44-Ru-106 -0.075 To 0.033 %



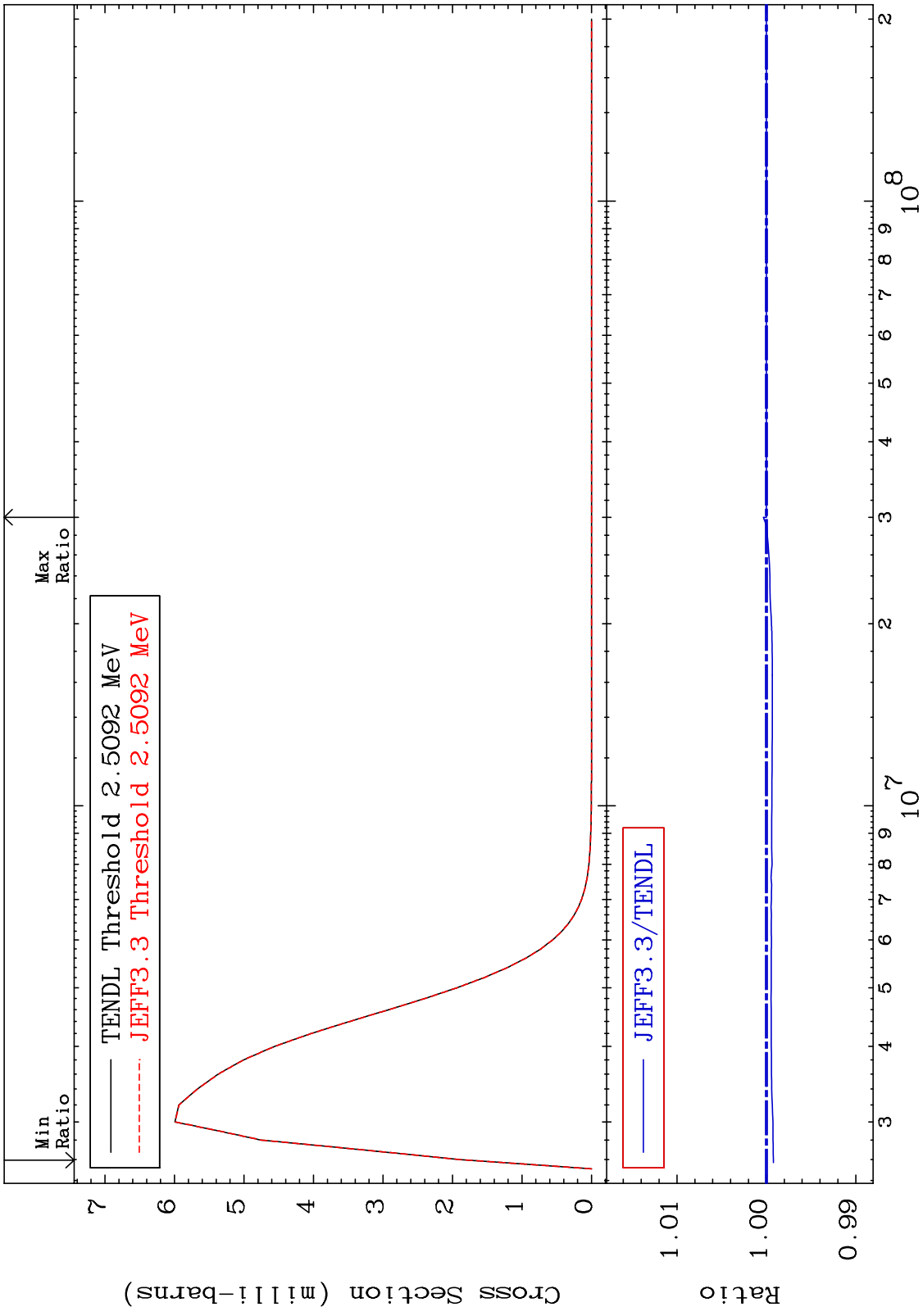
MAT 4455 MT= 68 (n,n') Level Cross Section 44-Ru-106  
 -0.046 To 0.000 %



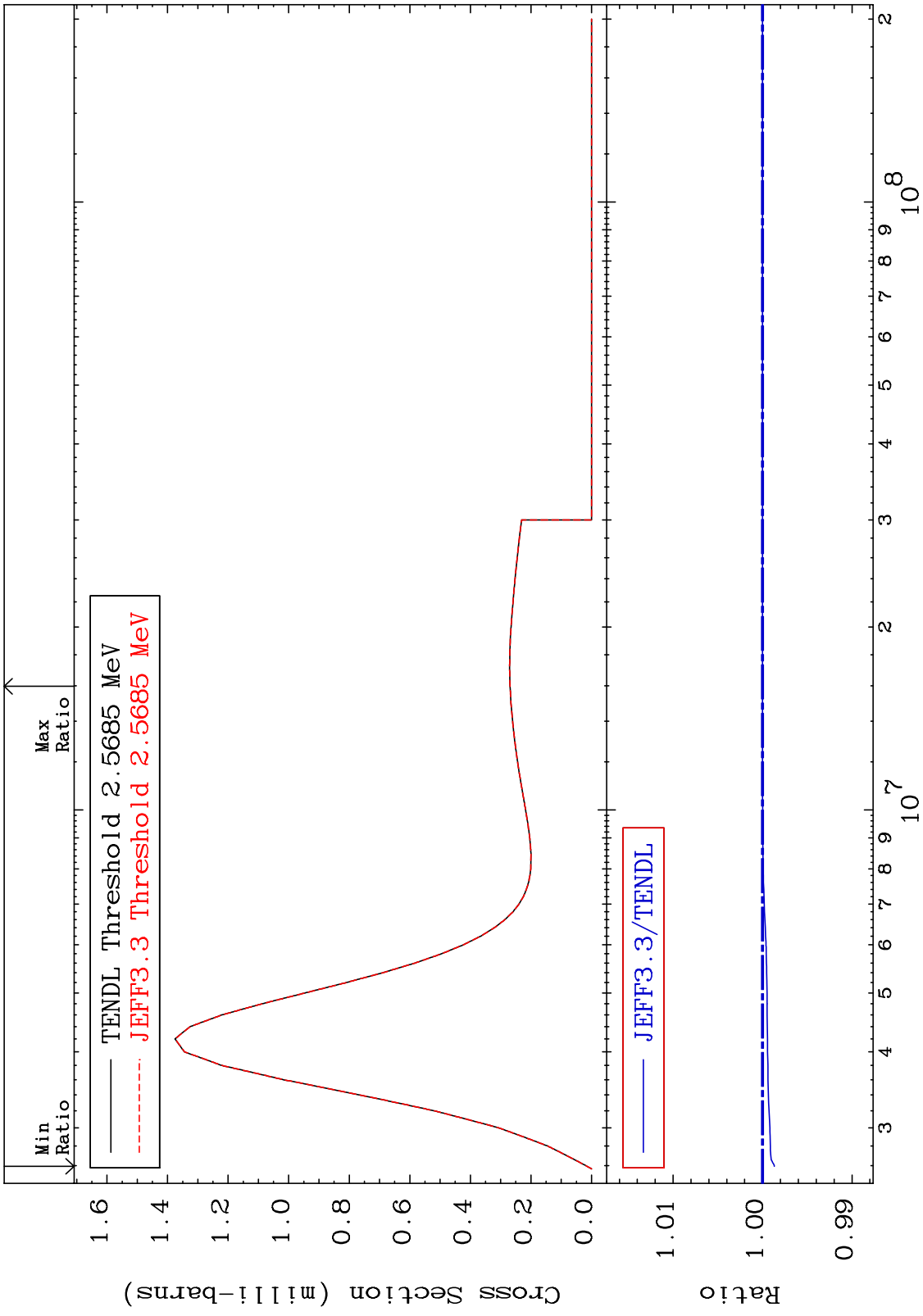
MAT 4455 MT= 69 (n,n') Level Cross Section 44-Ru-106  
 -0.047 To 0.000 %



MAT 4455 MT= 70 (n,n') Level Cross Section 44-Ru-106 -0.080 To 0.033 %



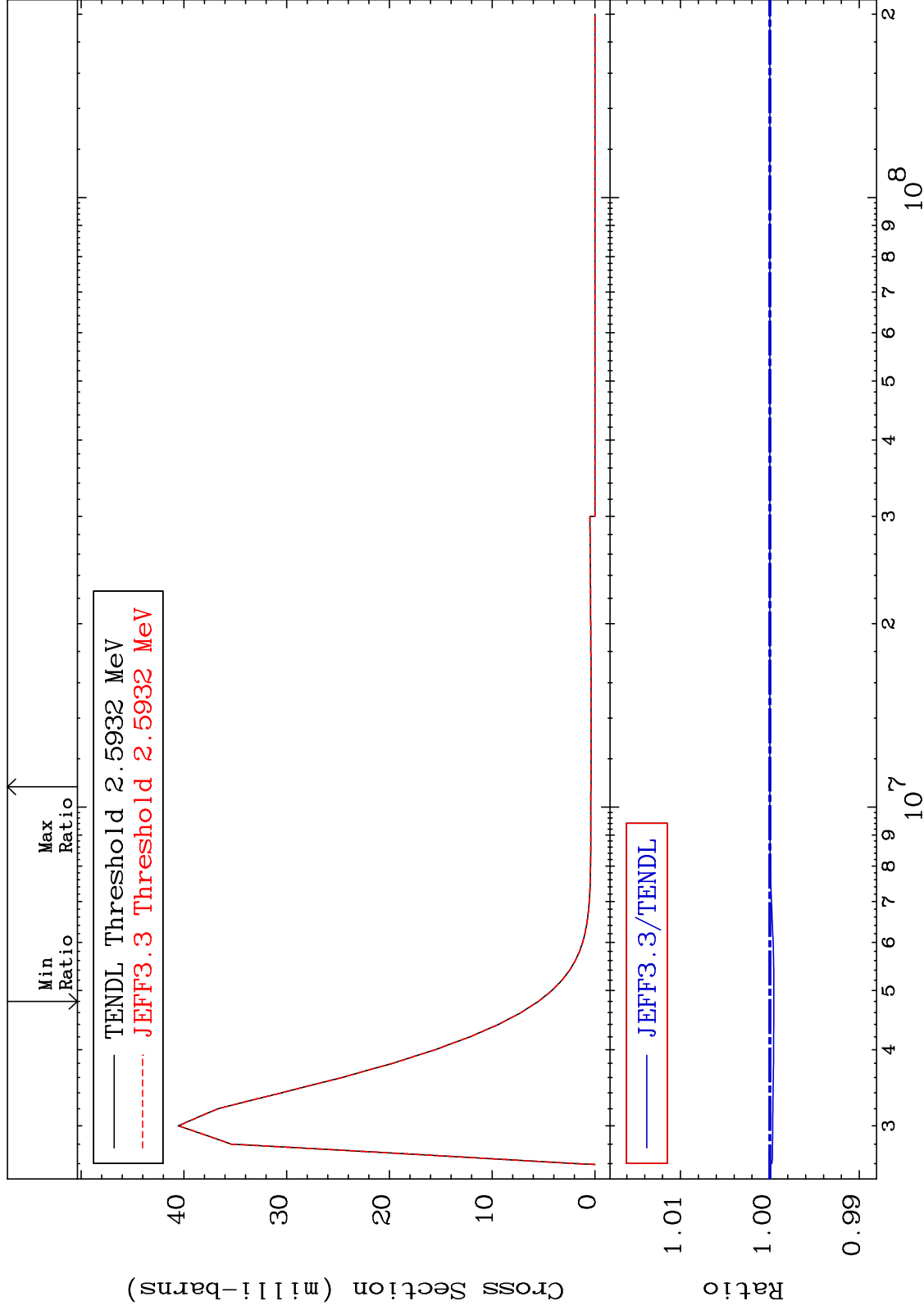
MAT 4455 MT= 71 (n,n') Level Cross Section 44-Ru-106  
 -0.132 To 0.000 %



MAT 4455

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

44-Ru-106  
-0.044 To 0.000 %

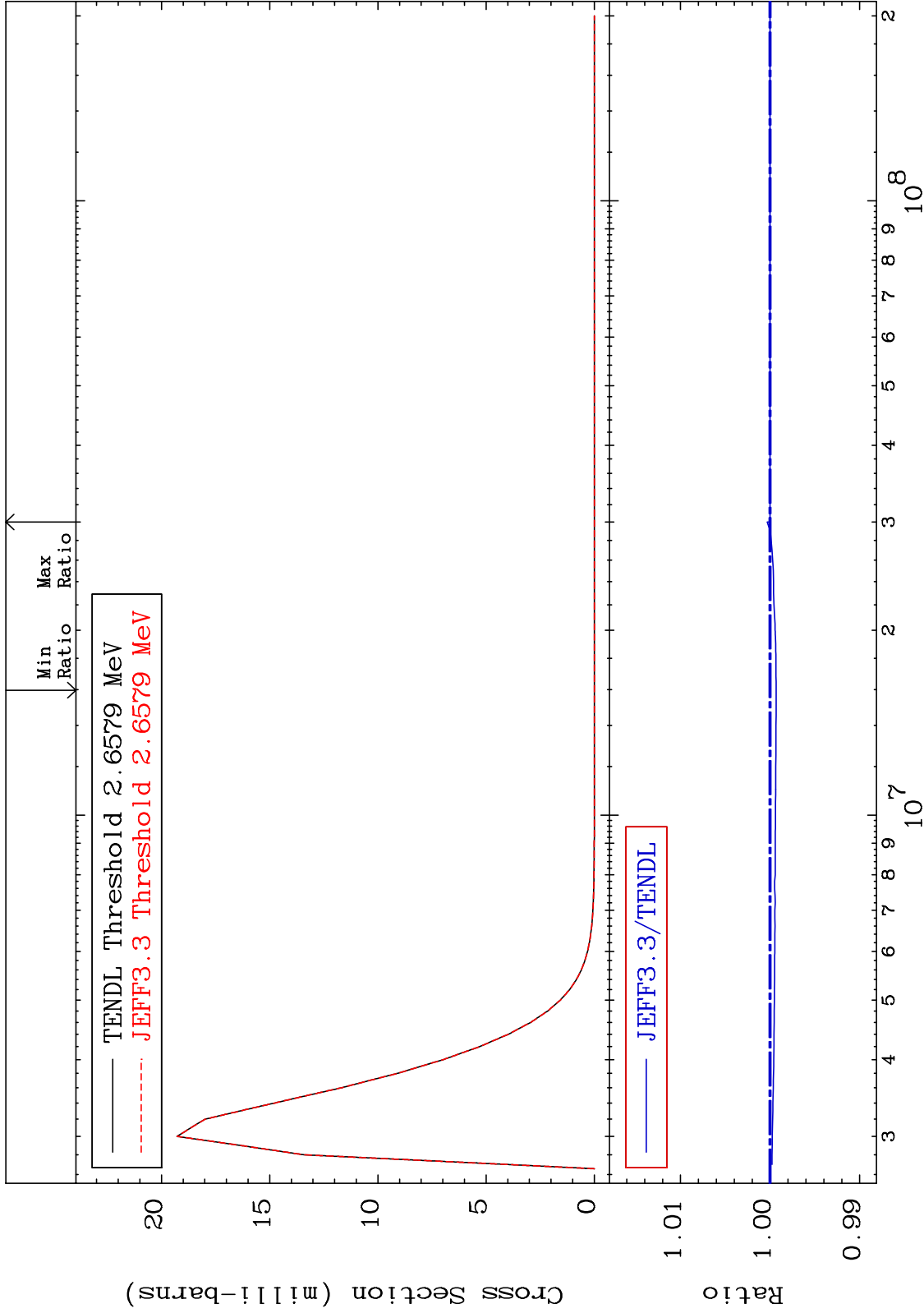




MAT 4455

MT= 73 (n, n') Level  
Cross Section

44-Ru-106  
-0.067 To 0.033 %

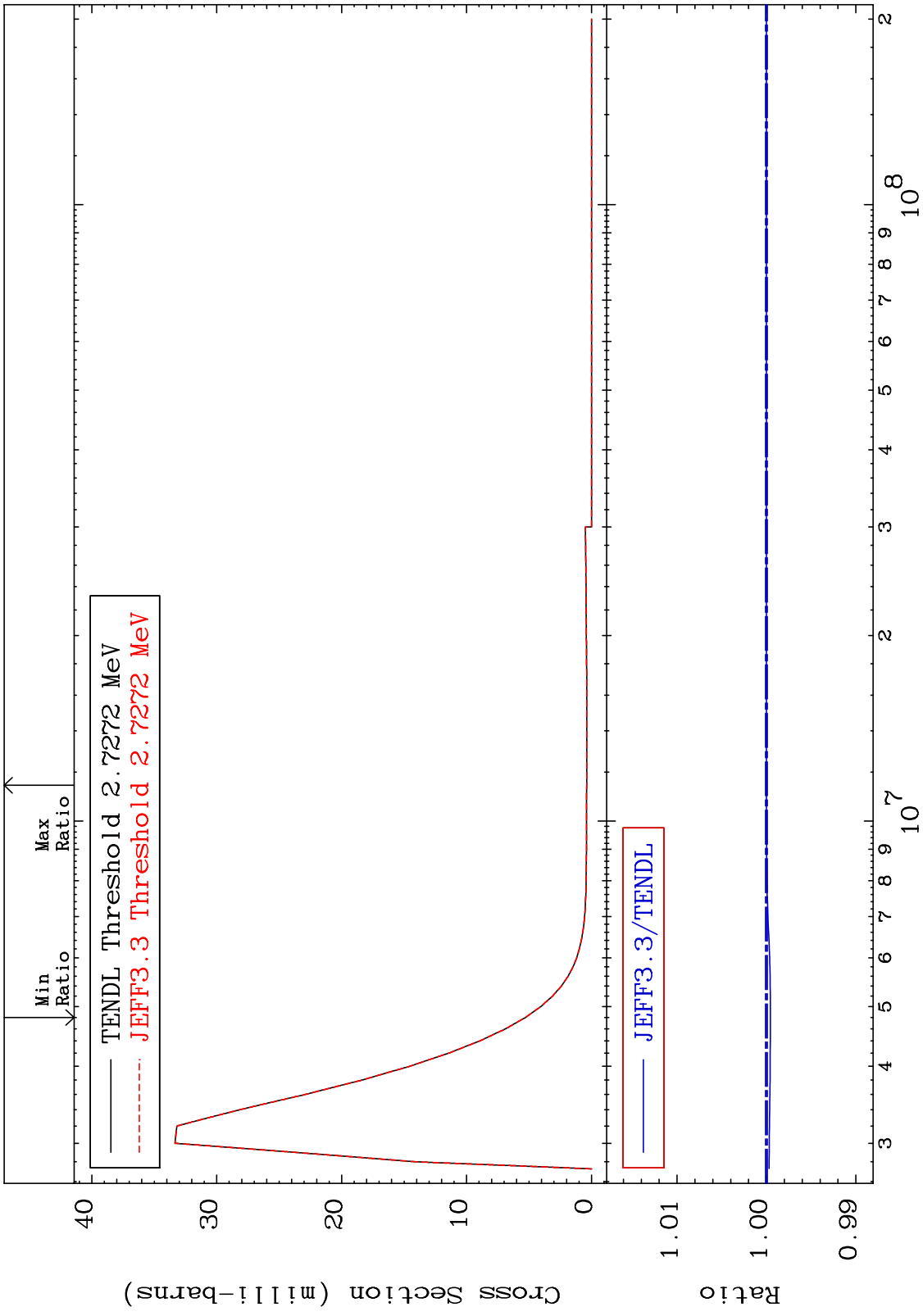


40

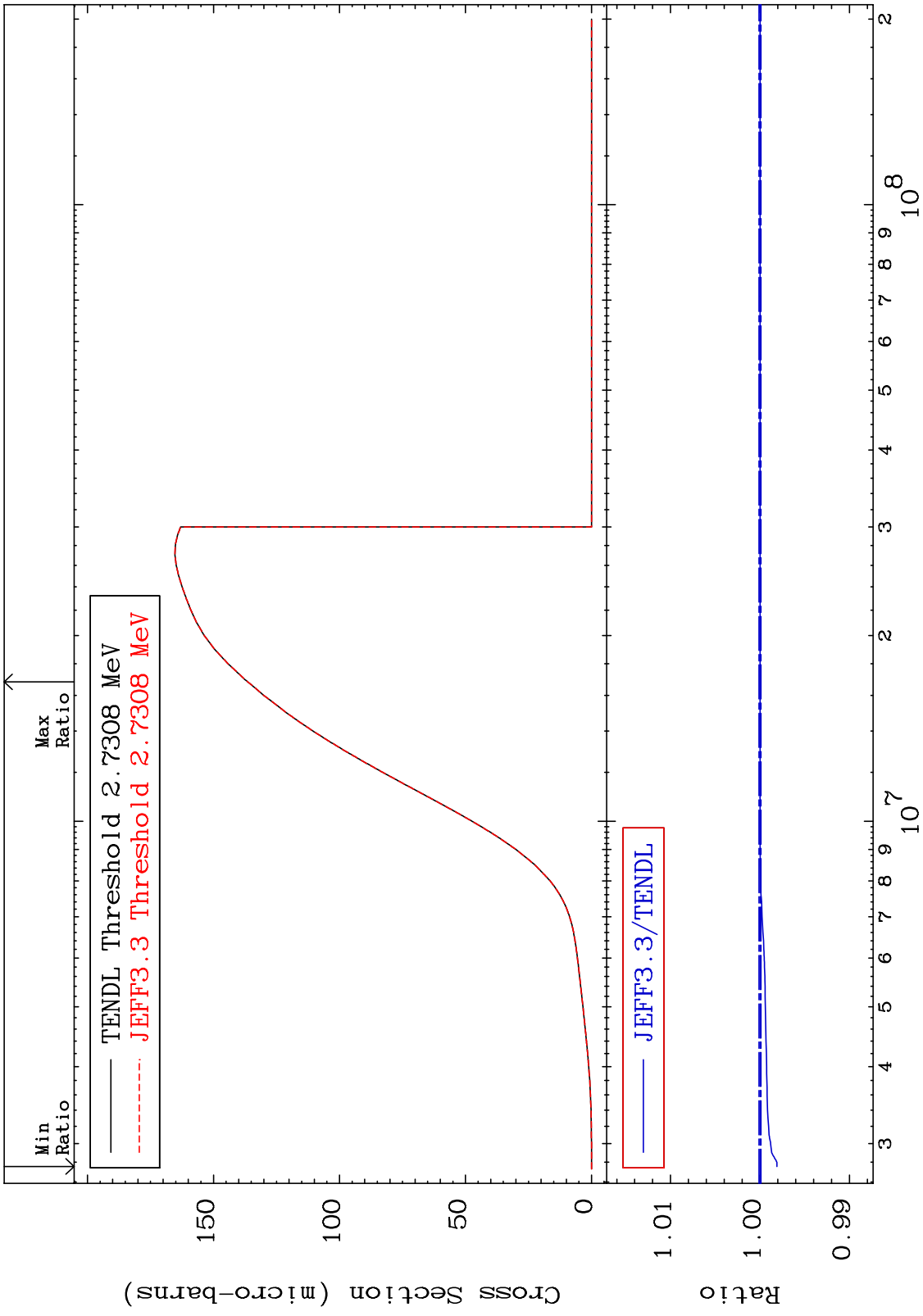
Incident Energy (eV)

44-Ru-106

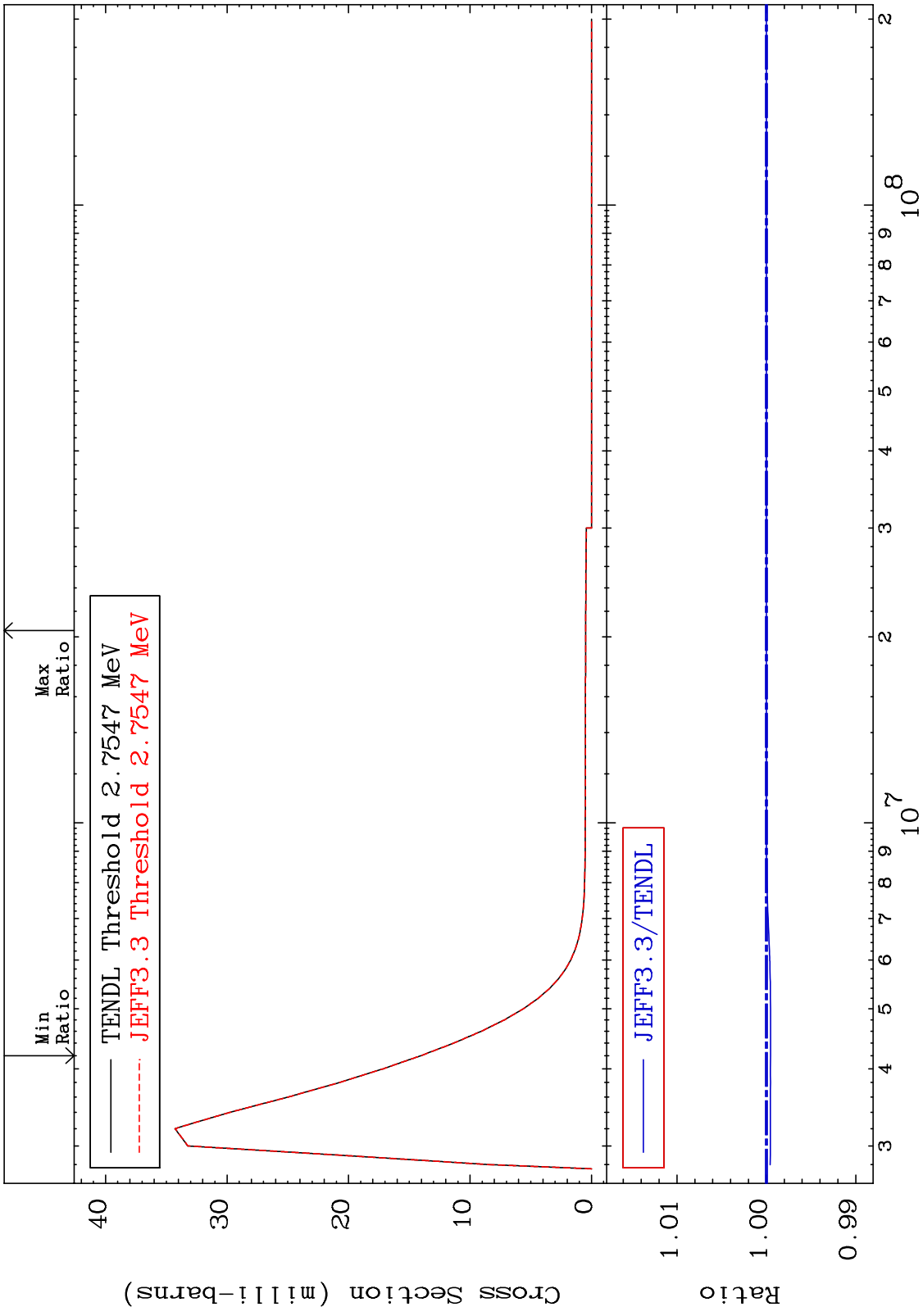
MAT 4455 MT= 74 (n,n') Level Cross Section 44-Ru-106  
 -0.044 To 0.000 %



MAT 4455 MT= 75 (n,n') Level Cross Section 44-Ru-106  
 -0.189 To 0.000 %

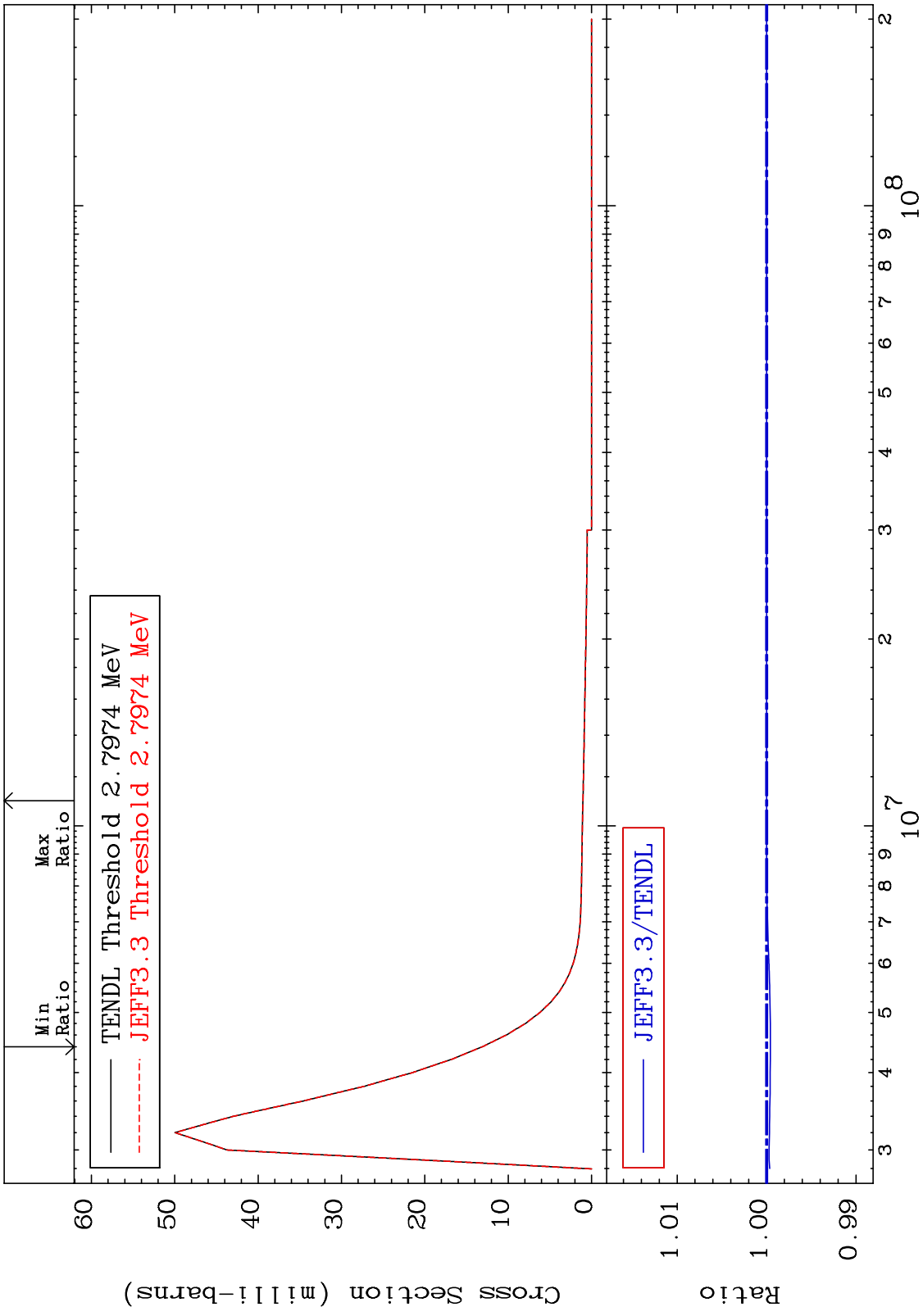


MAT 4455 MT= 76 (n,n') Level Cross Section 44-Ru-106  
 -0.046 To 0.000 %



43 44-Ru-106 Incident Energy (eV)

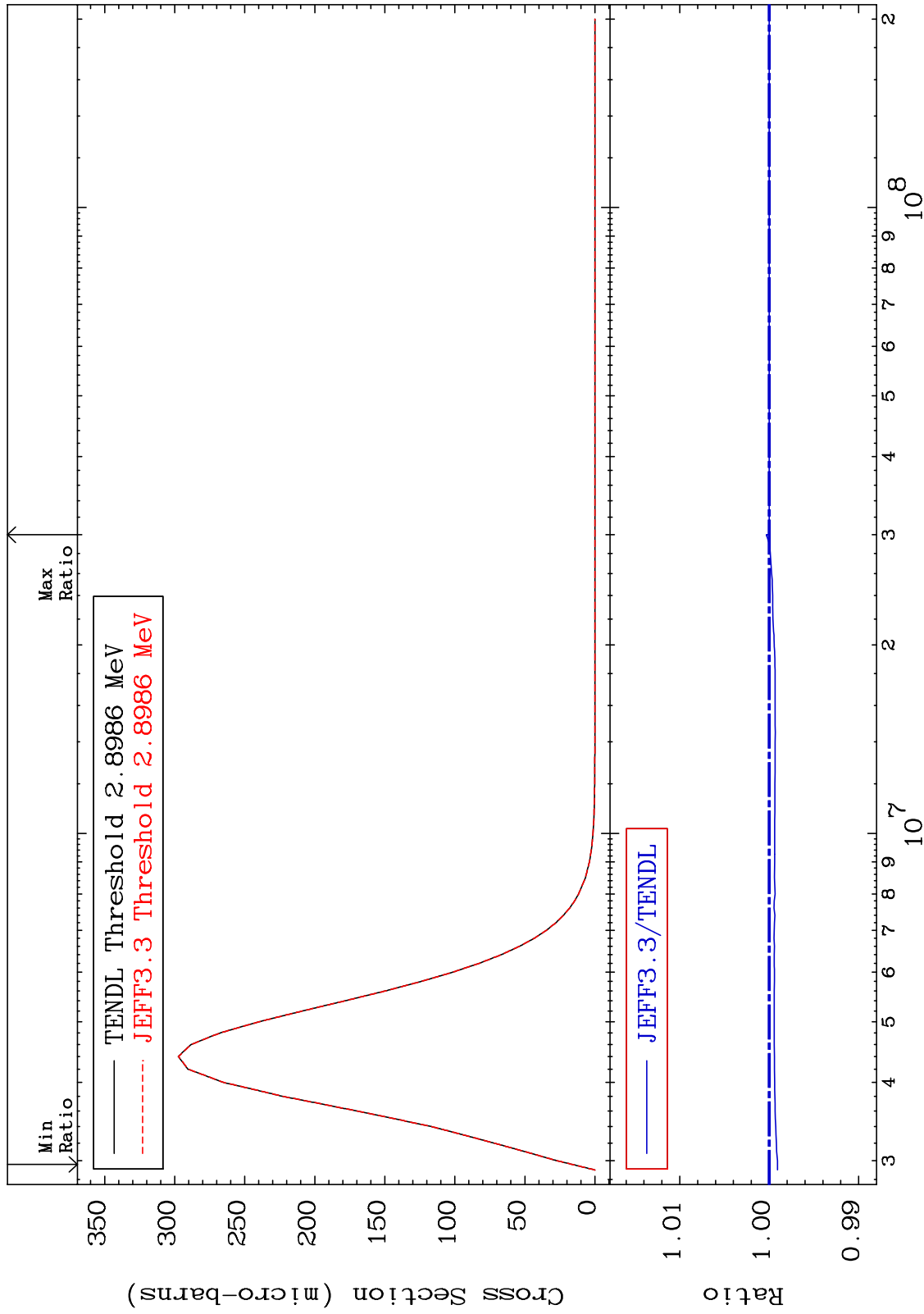
MAT 4455      MT= 77 (n,n') Level      44-Ru-106  
 Cross Section      -0.042 To 0.000 %



MAT 4455

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

44-Ru-106  
-0.092 To 0.033 %

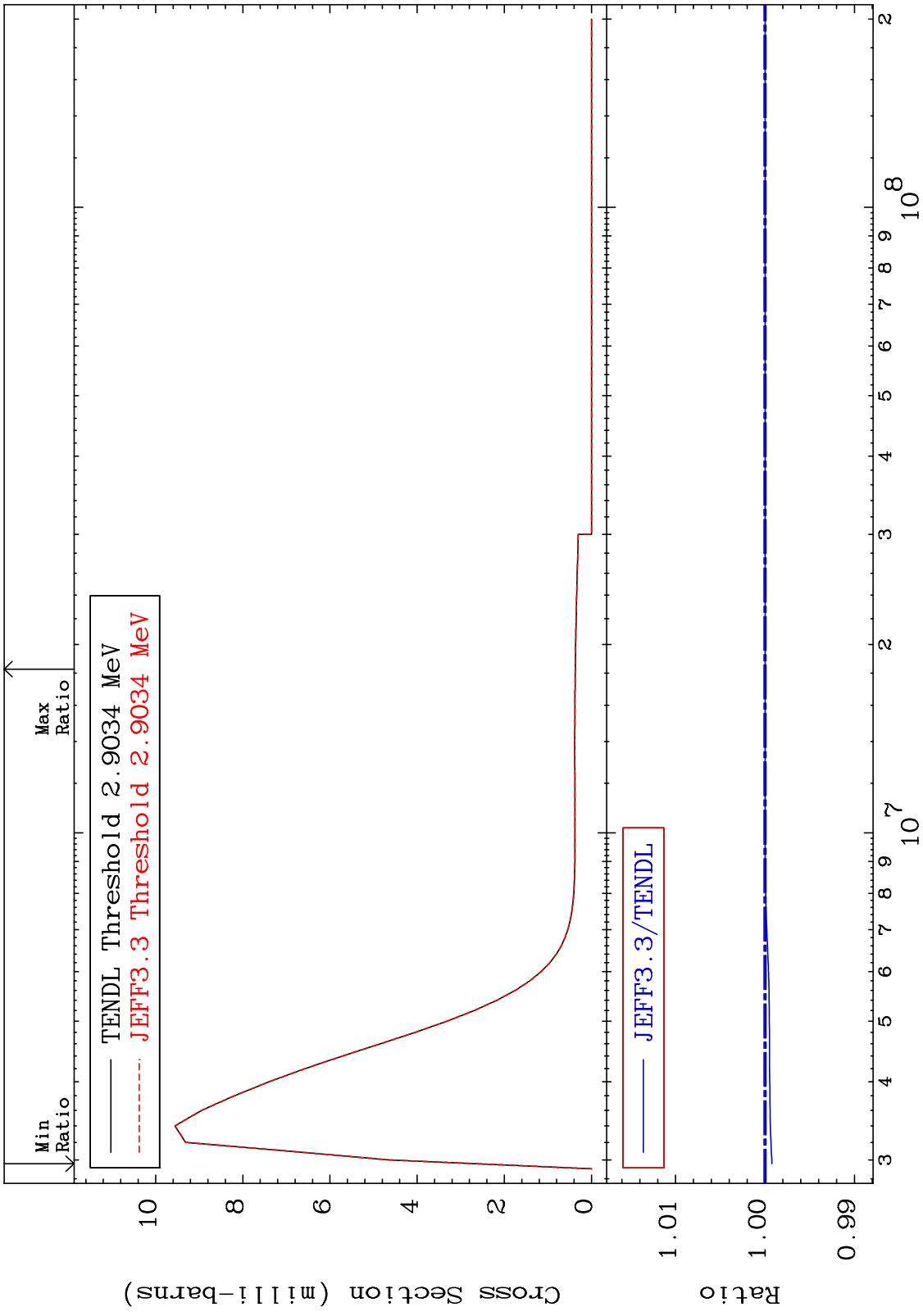


45

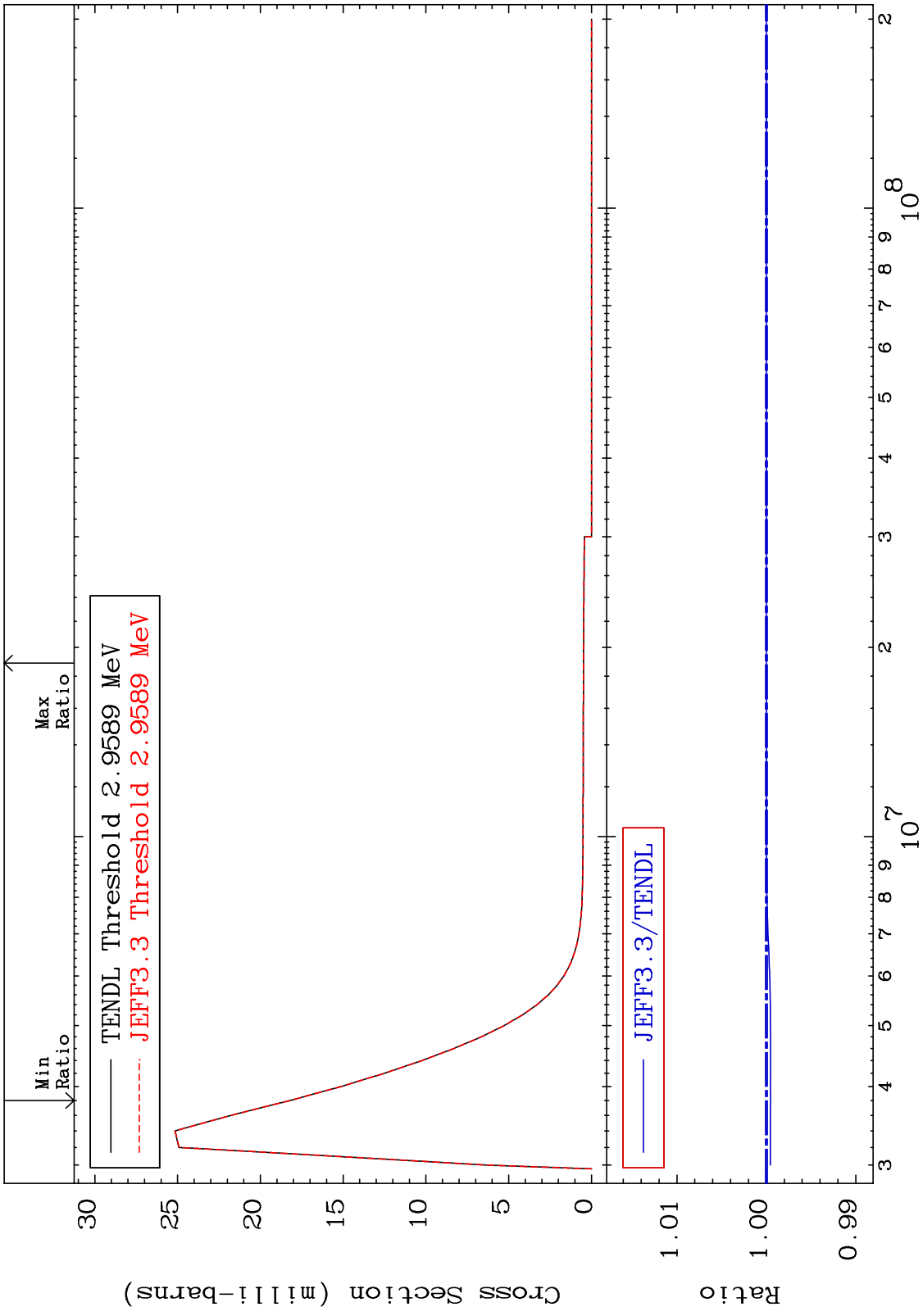
Incident Energy (eV)

44-Ru-106

MAT 4455 MT= 79 (n,n') Level Cross Section 44-Ru-106  
 -0.077 To 0.000 %

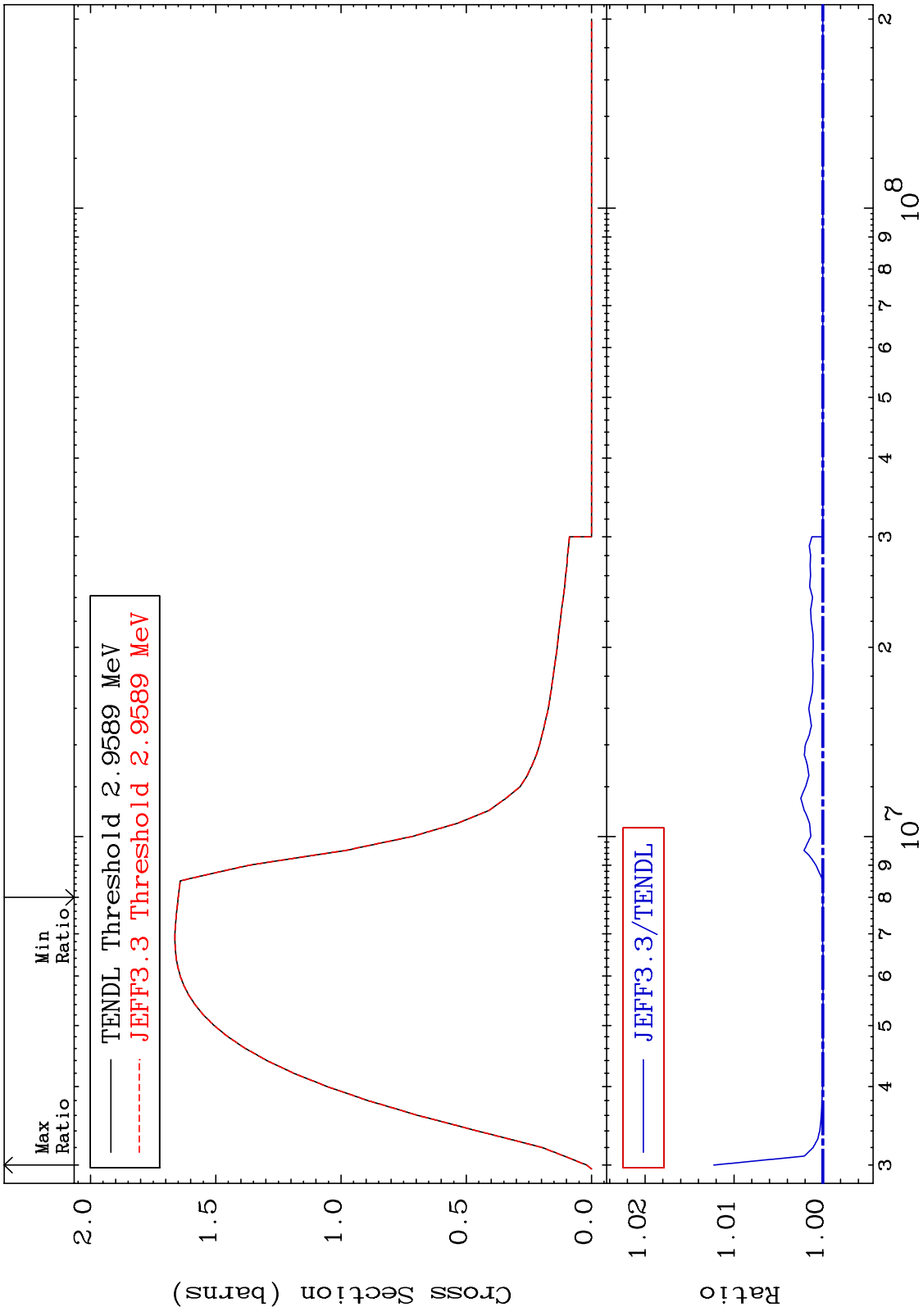


MAT 4455 MT= 80 (n,n') Level Cross Section 44-Ru-106  
 -0.047 To 0.000 %





MAT 4455 (n, n') Continuum Cross Section 44-Ru-106 -0.003 To 1.227 %



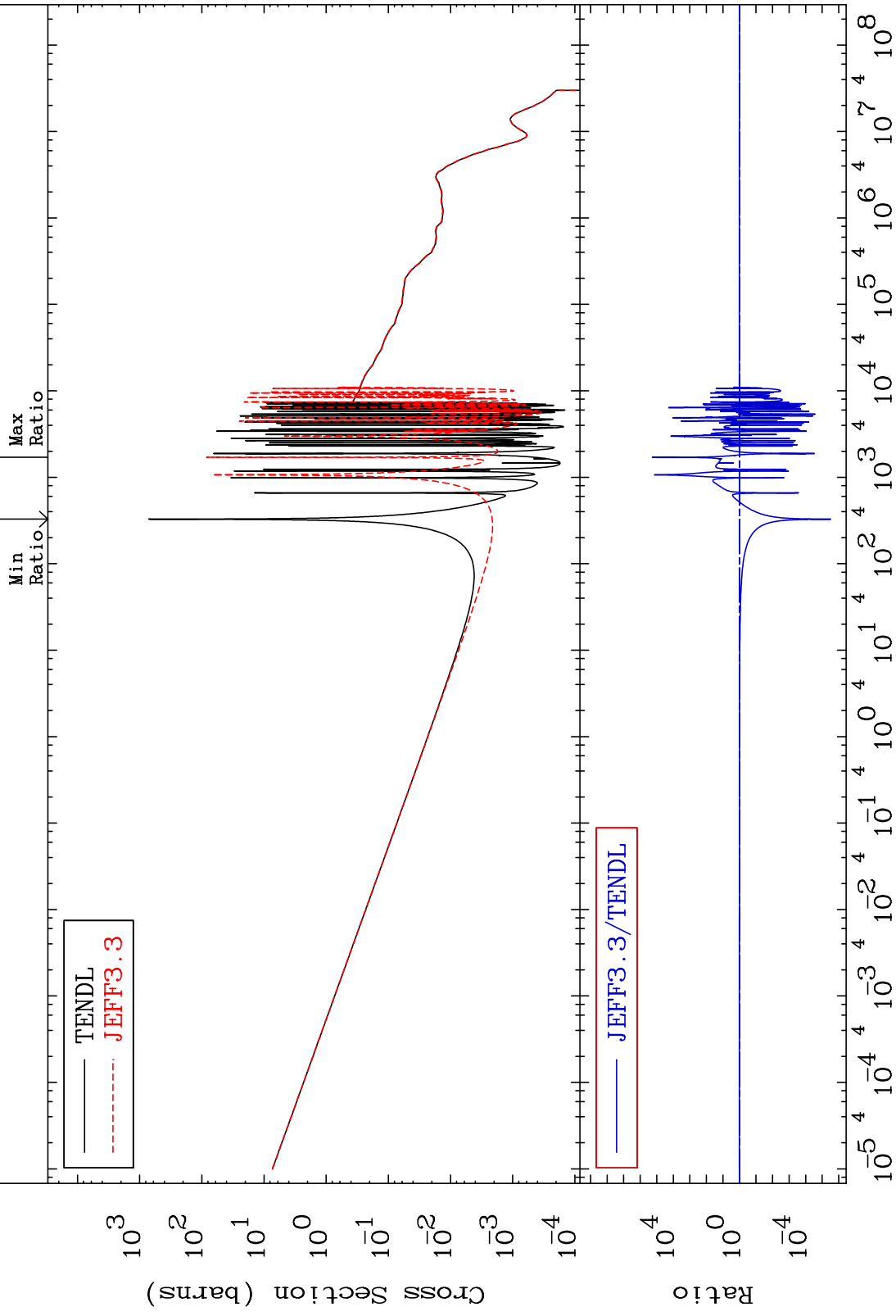
MAT 4455

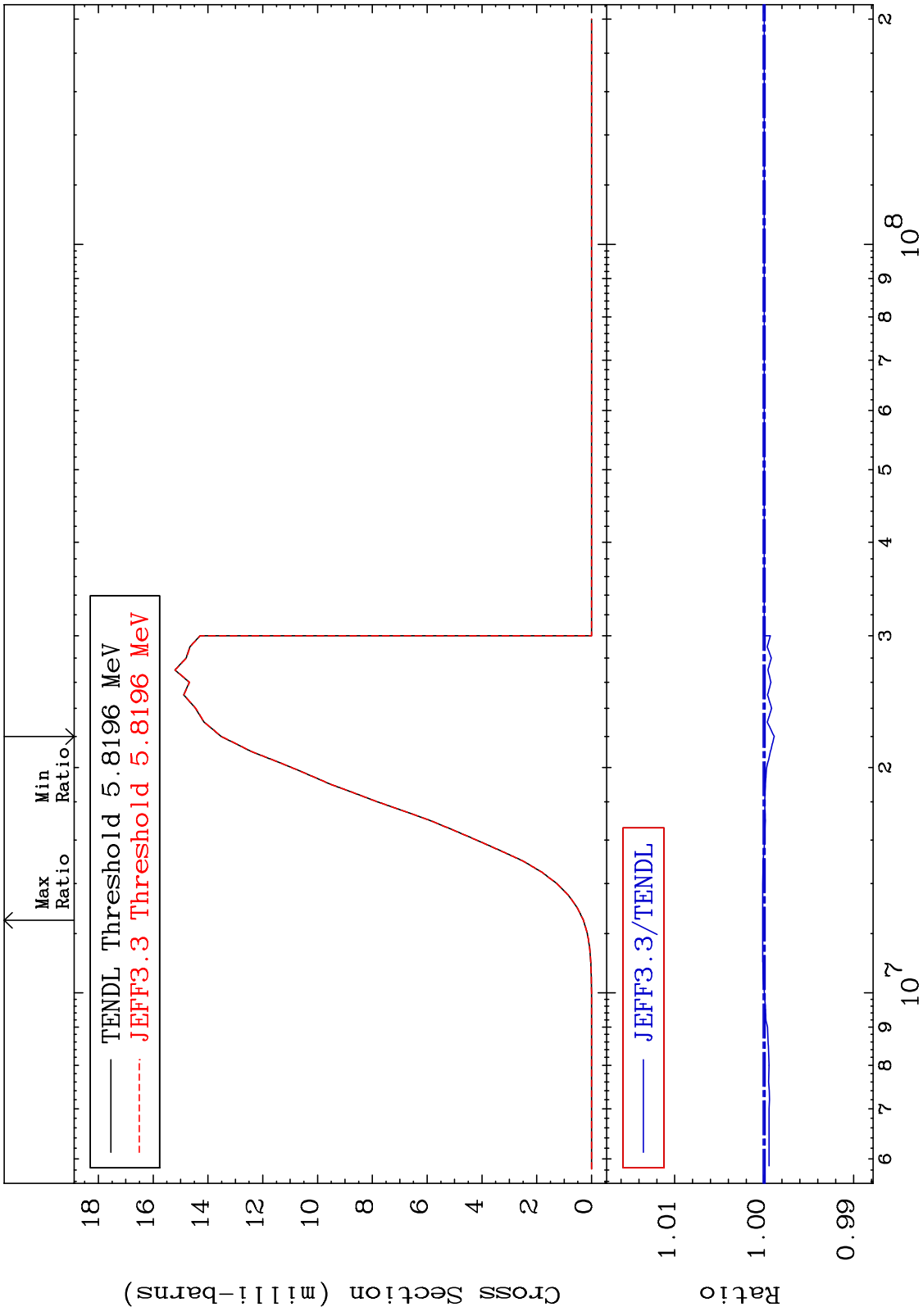
(n,  $\gamma$ )

44-Ru-106

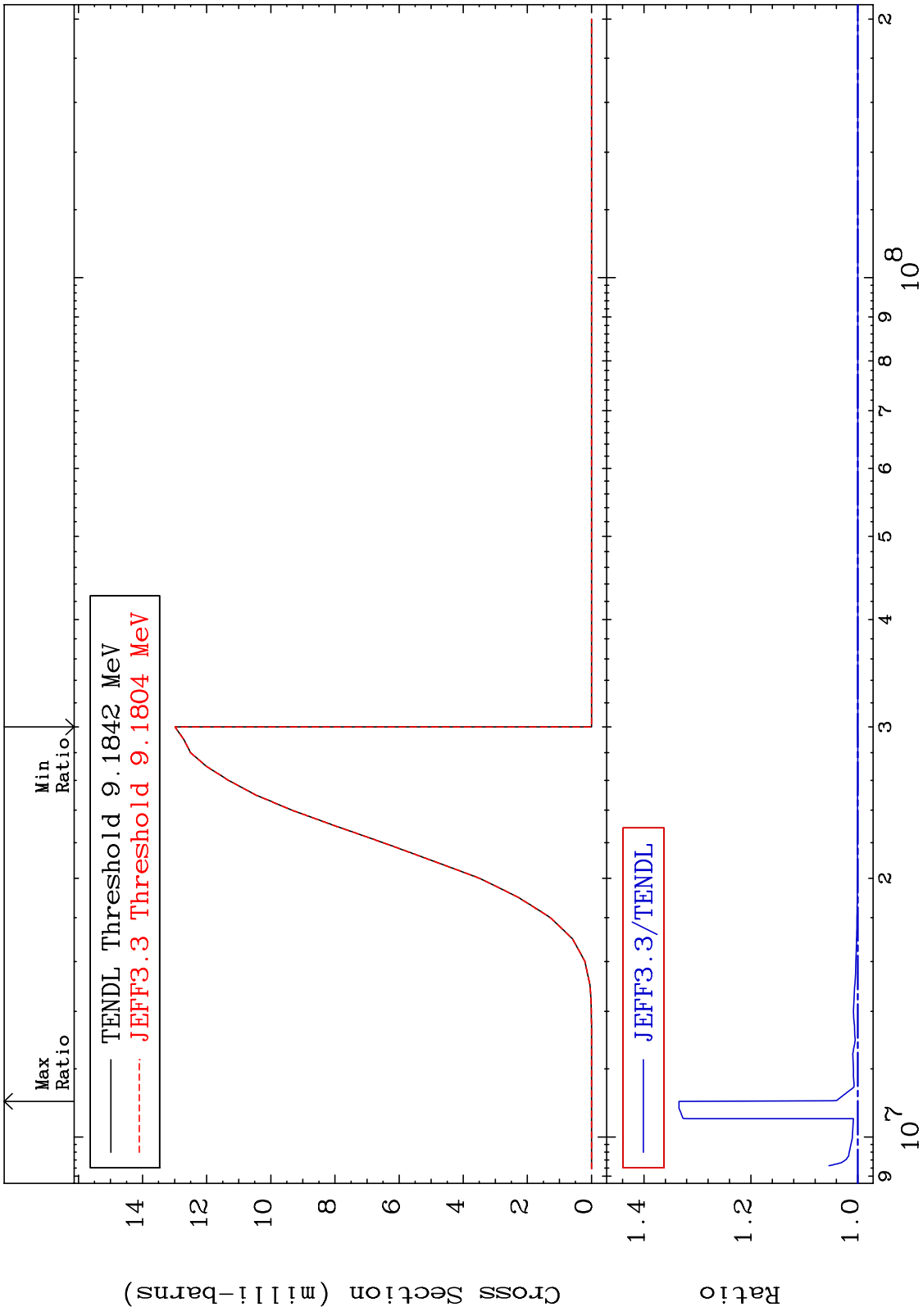
-100.0 To 9999. %

Cross Section

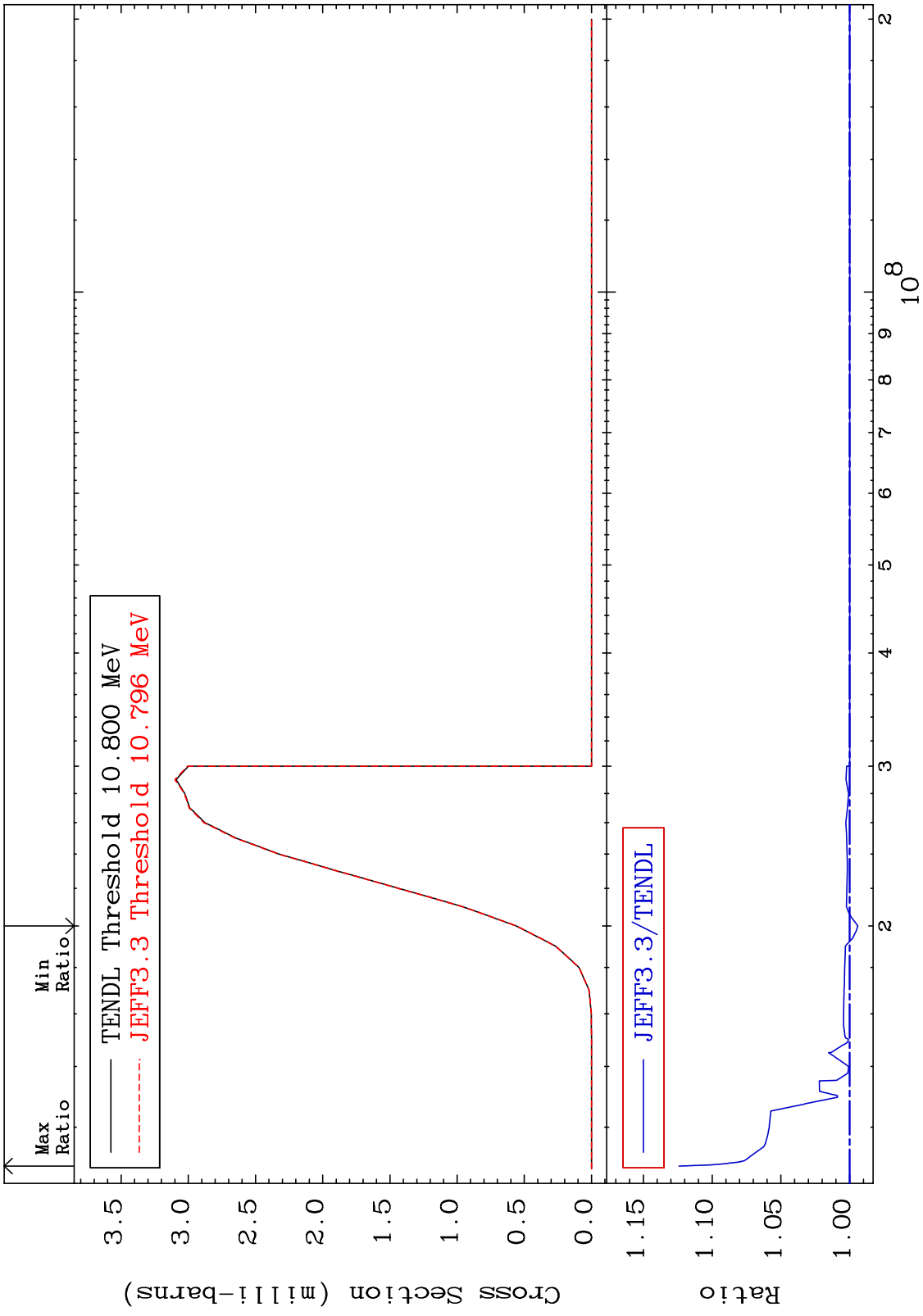




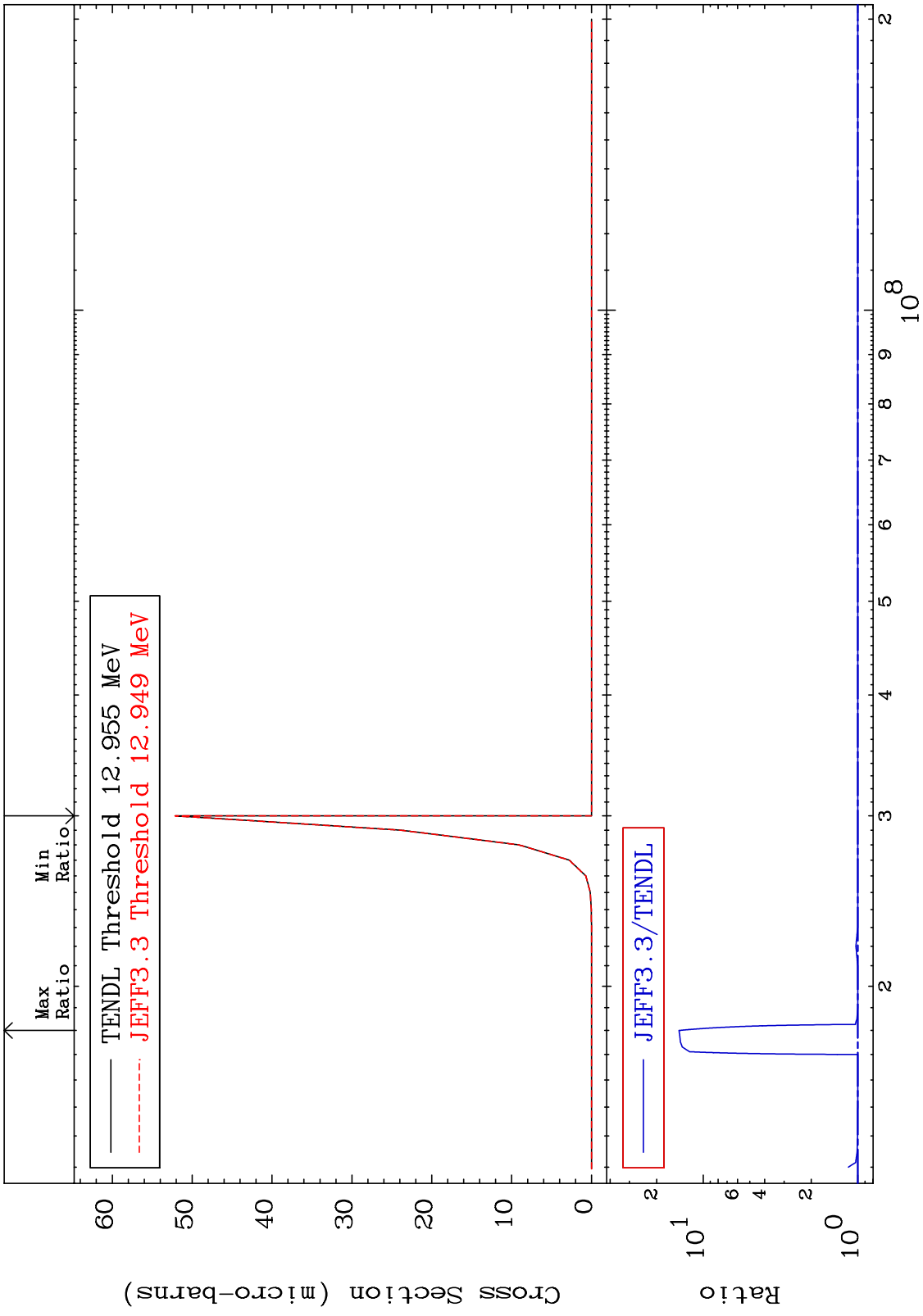
MAT 4455 (n,d) Cross Section 44-Ru-106 To 33.44 %  
0.000



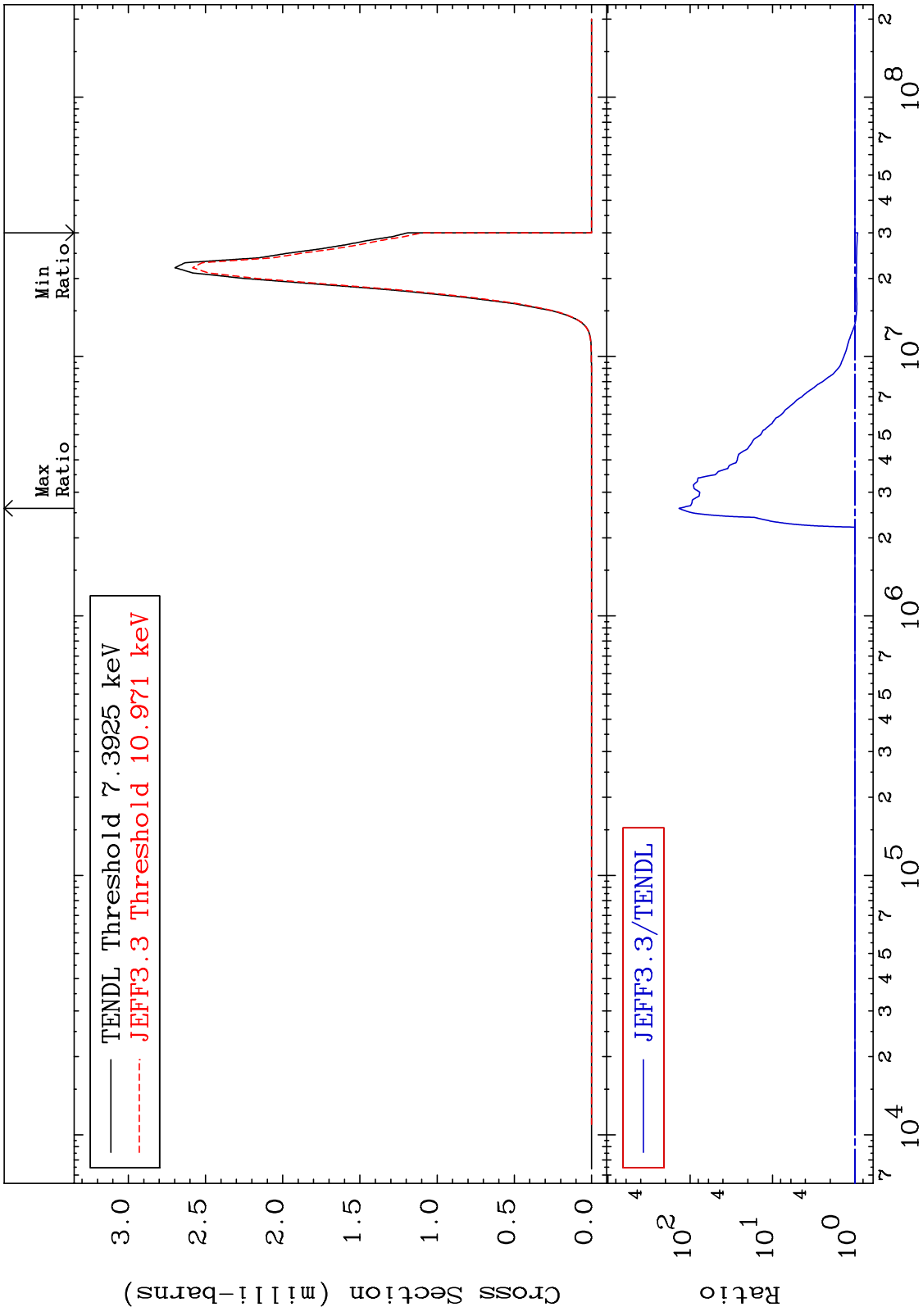
MAT 4455 (n,t) Cross Section 44-Ru-106 -0.595 To 12.40 %



MAT 4455 (n, He-3) Cross Section 44-Ru-106 To 1332. %  
 0.000

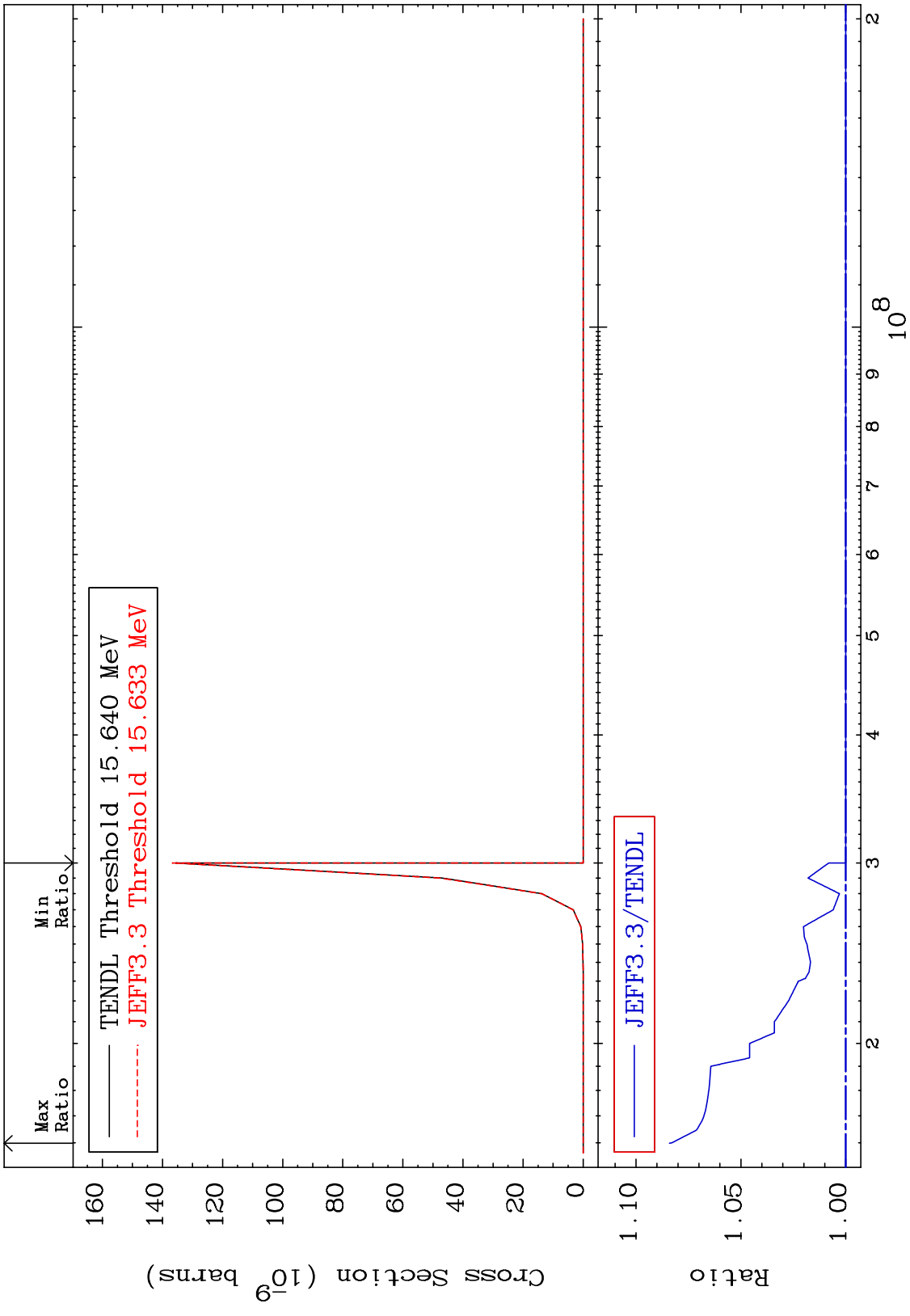


MAT 4455  $(n, \alpha)$  Cross Section 44-Ru-106  
 -7.688 To 9999. %



54 44-Ru-106

MAT 4455 (n,2p) Cross Section 44-Ru-106 To 8.403 %





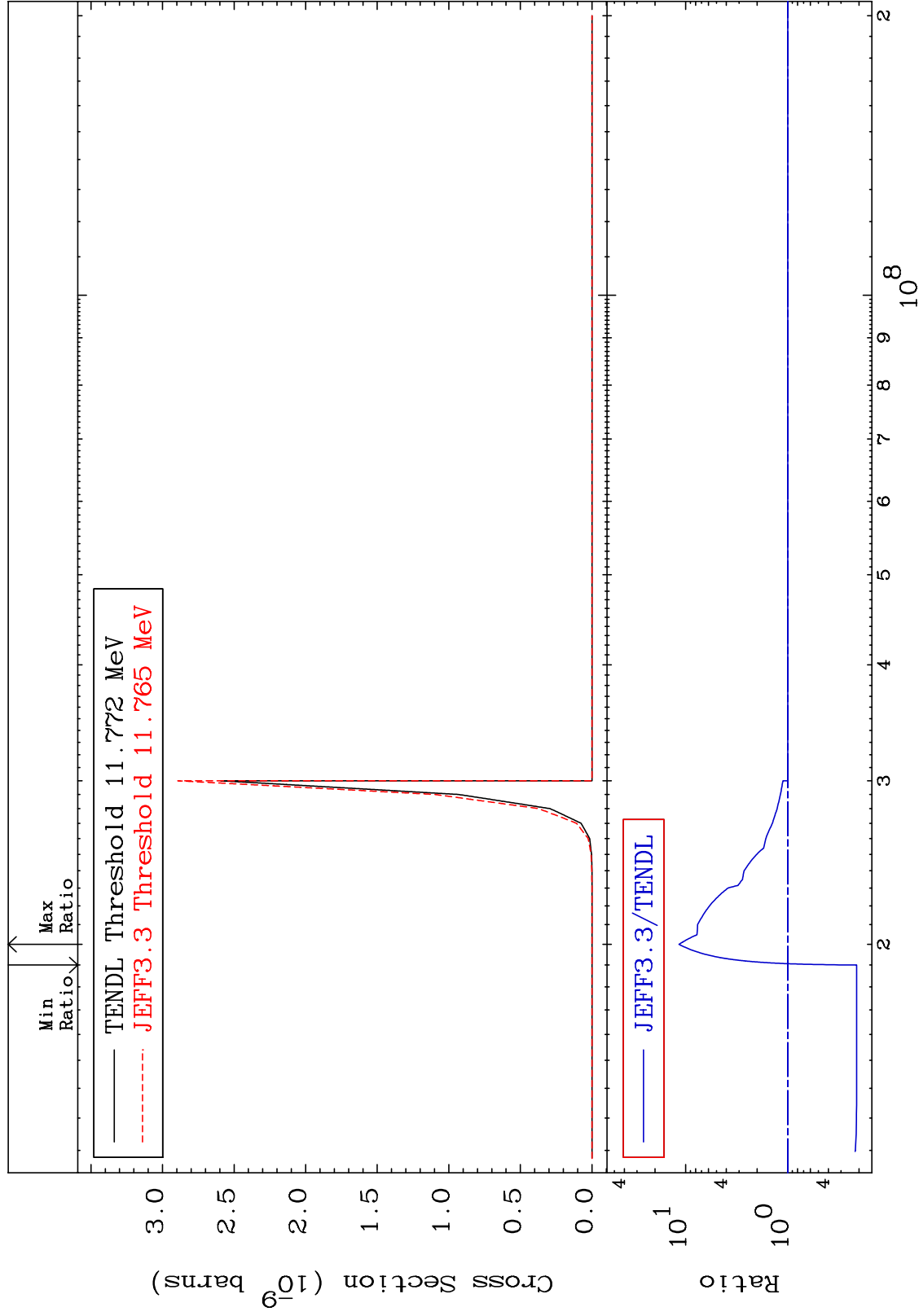
MAT 4455

(n,p)  $\alpha$

44-Ru-106

Cross Section

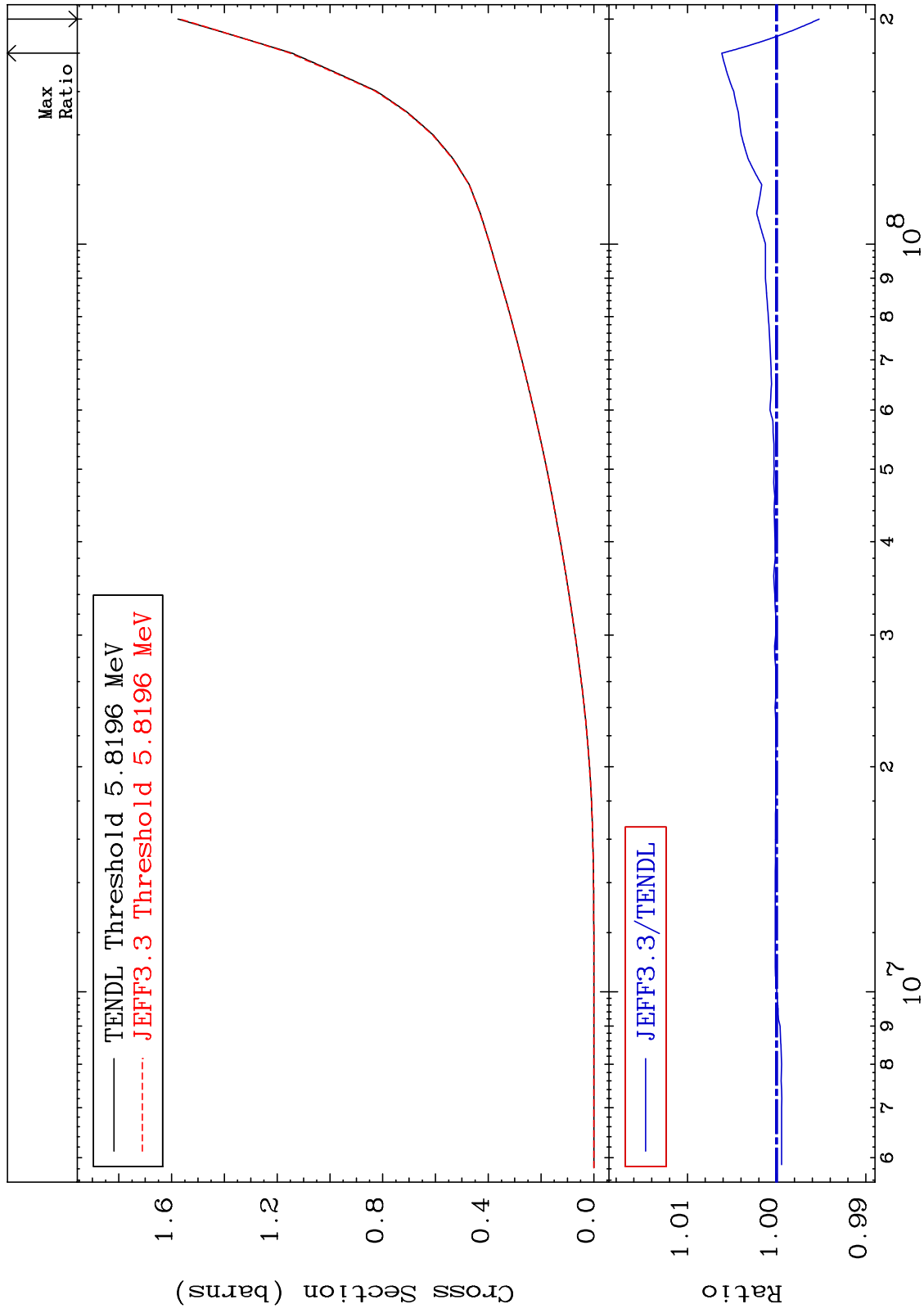
-78.90 To 1065. %



MAT 4455

Hydrogen Production  
Cross Section

44-Ru-106  
-0.477 To 0.614 %



57

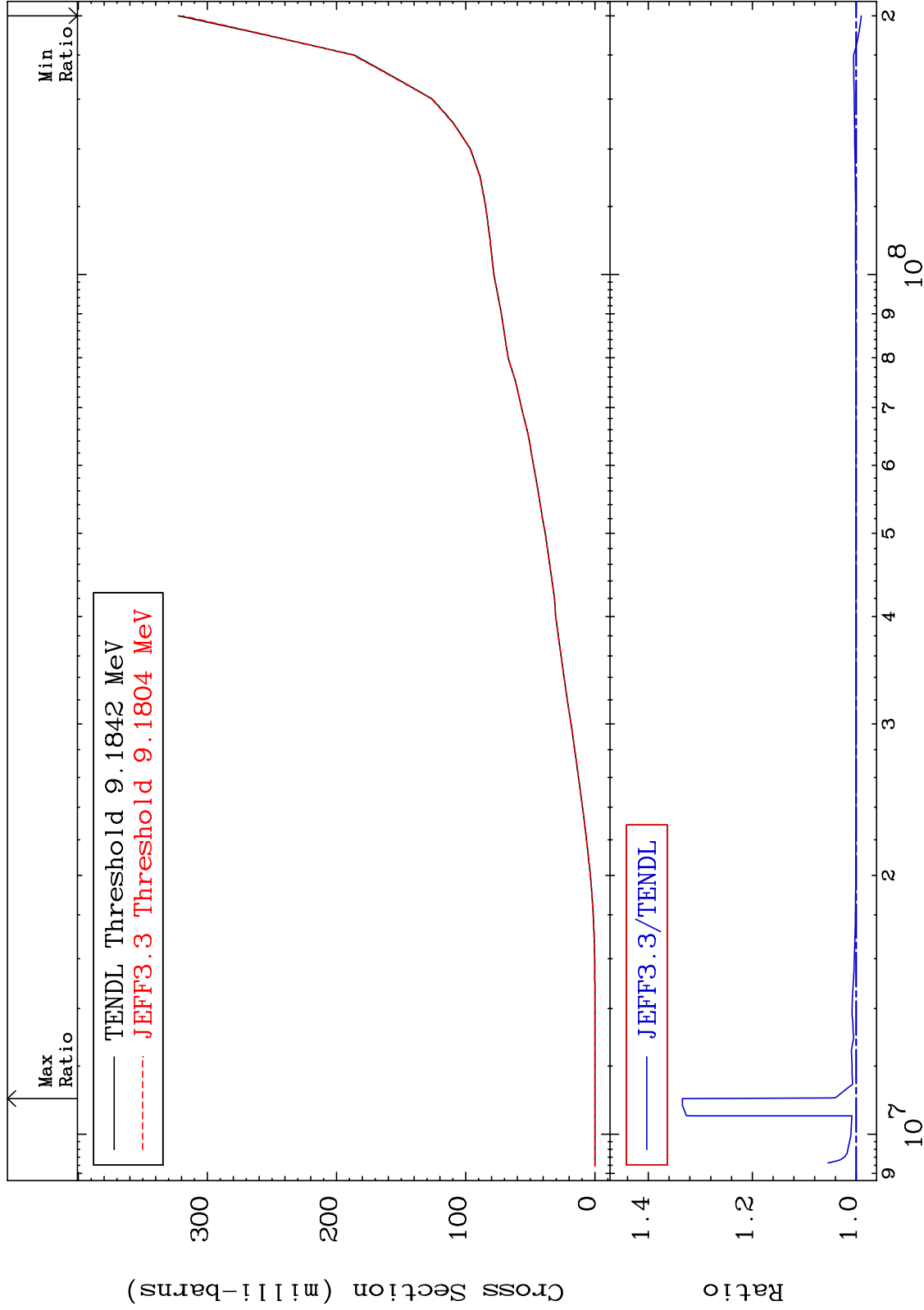
Incident Energy (eV)

44-Ru-106

MAT 4455

Deuterium Production  
Cross Section

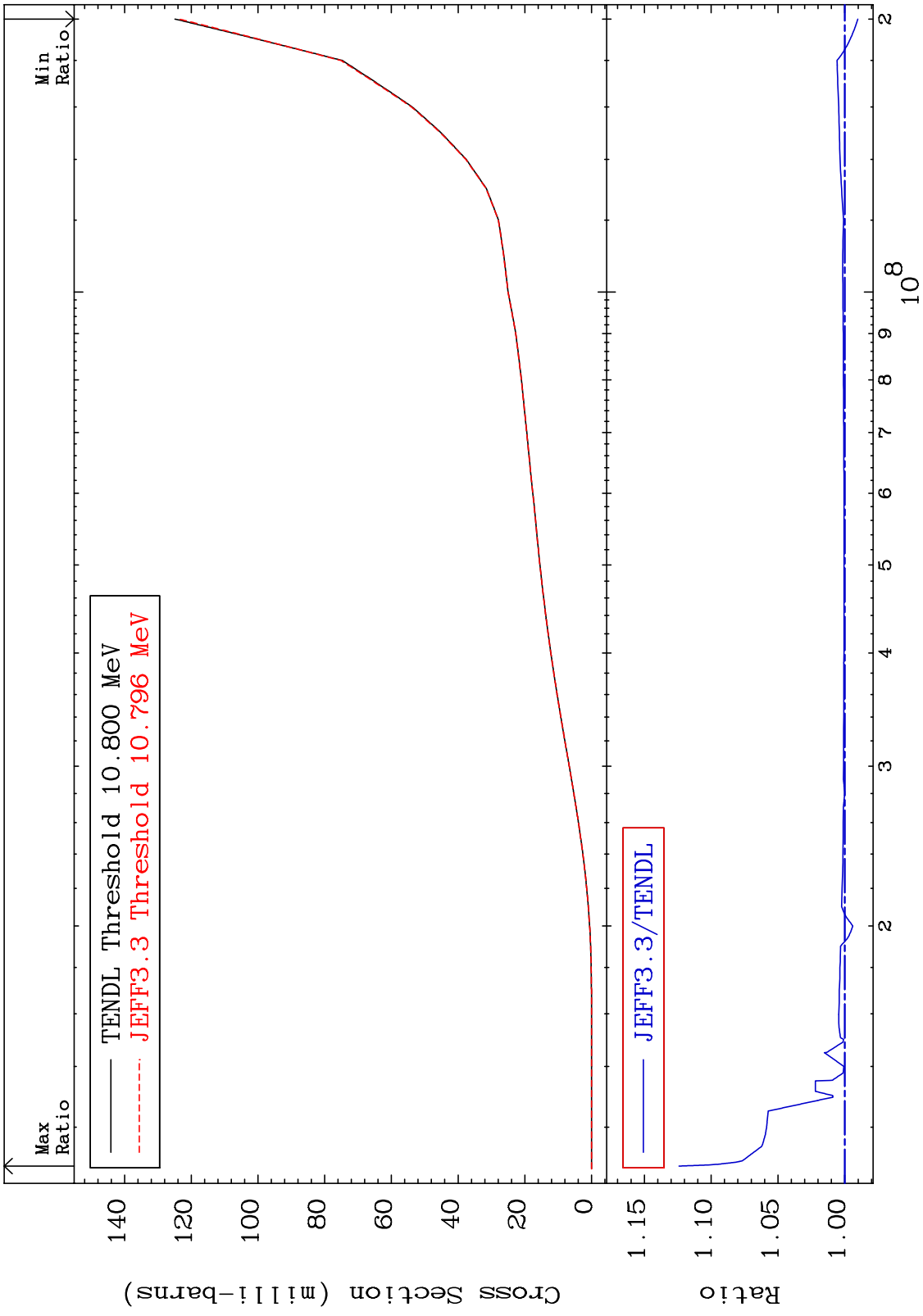
44-Ru-106  
-0.979 To 33.44 %



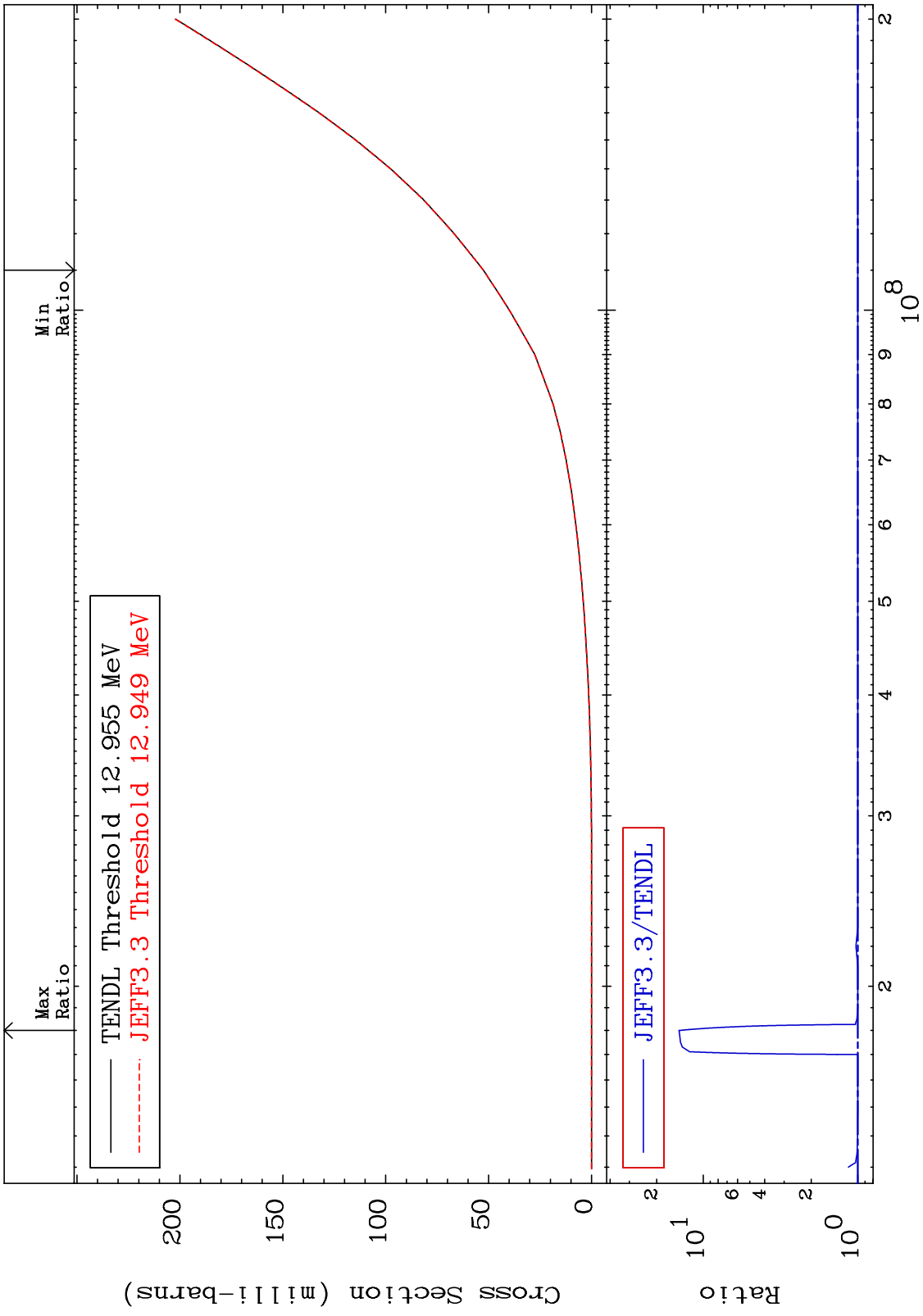
58

44-Ru-106

MAT 4455 Tritium Production Cross Section 44-Ru-106 -0.978 To 12.40 %



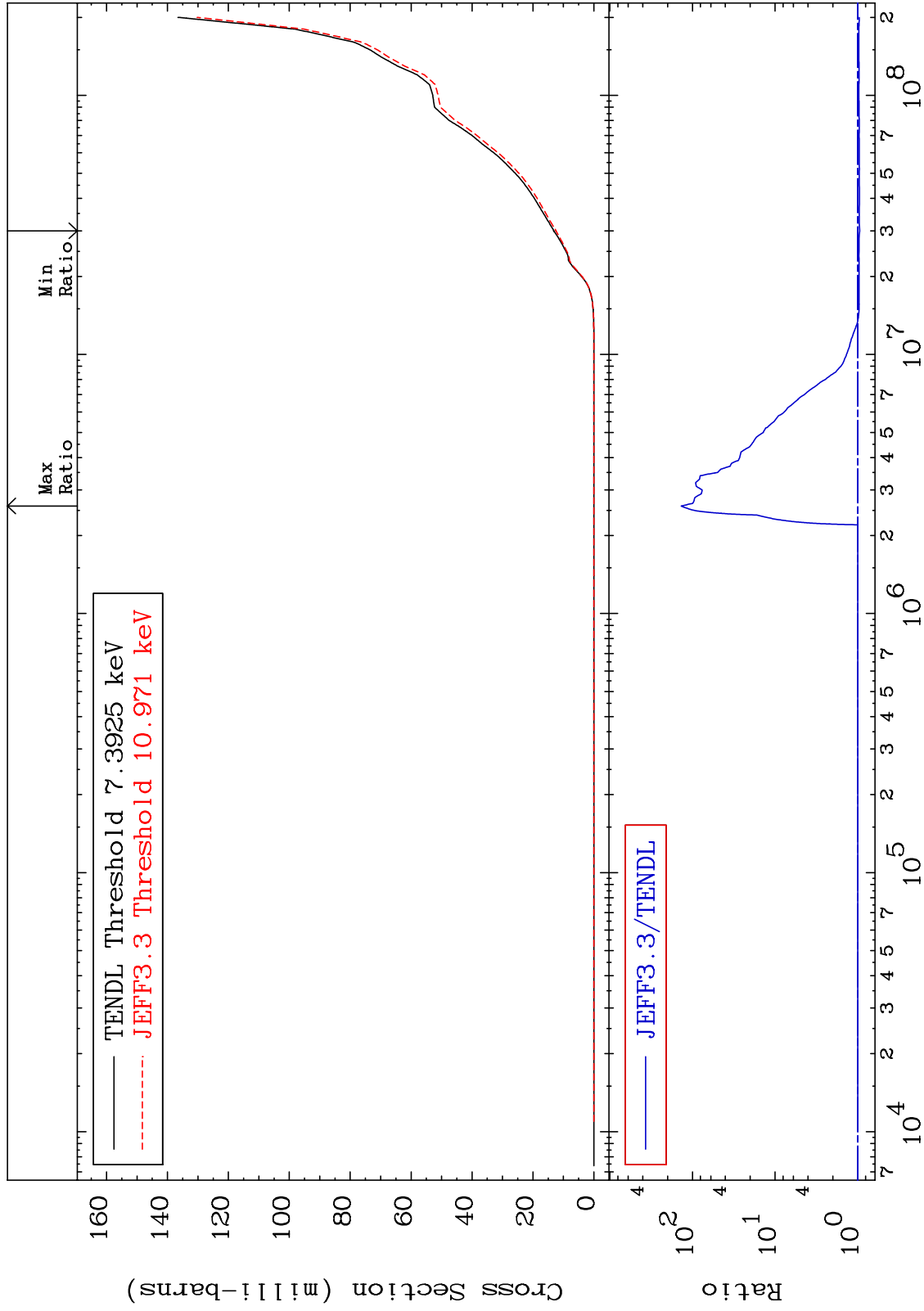
MAT 4455 He-3 Production Cross Section 44-Ru-106 To 1332. %



MAT 4455

He-4 Production  
Cross Section

44-Ru-106  
-5.655 To 9999. %

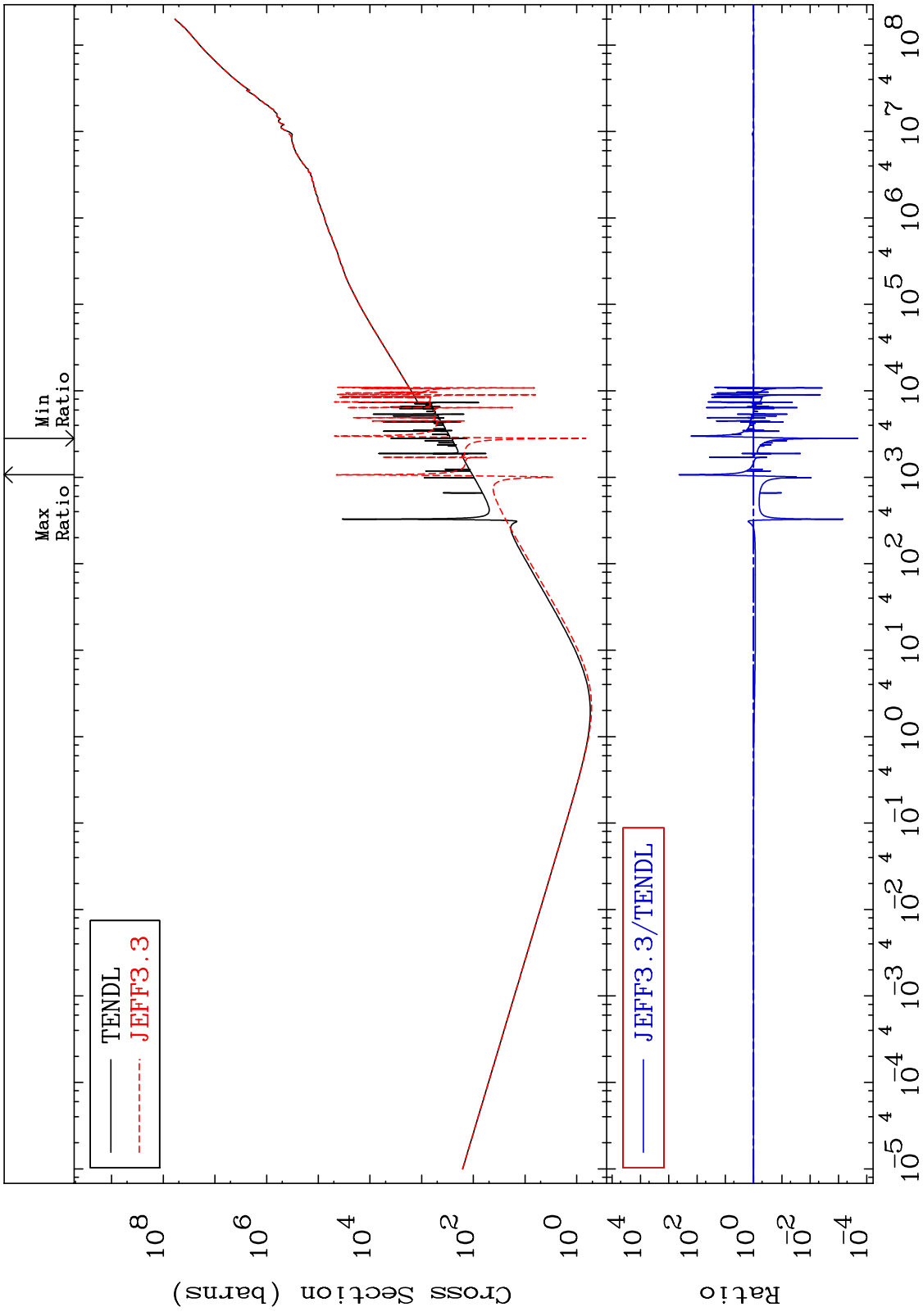


61

Incident Energy (eV)

44-Ru-106

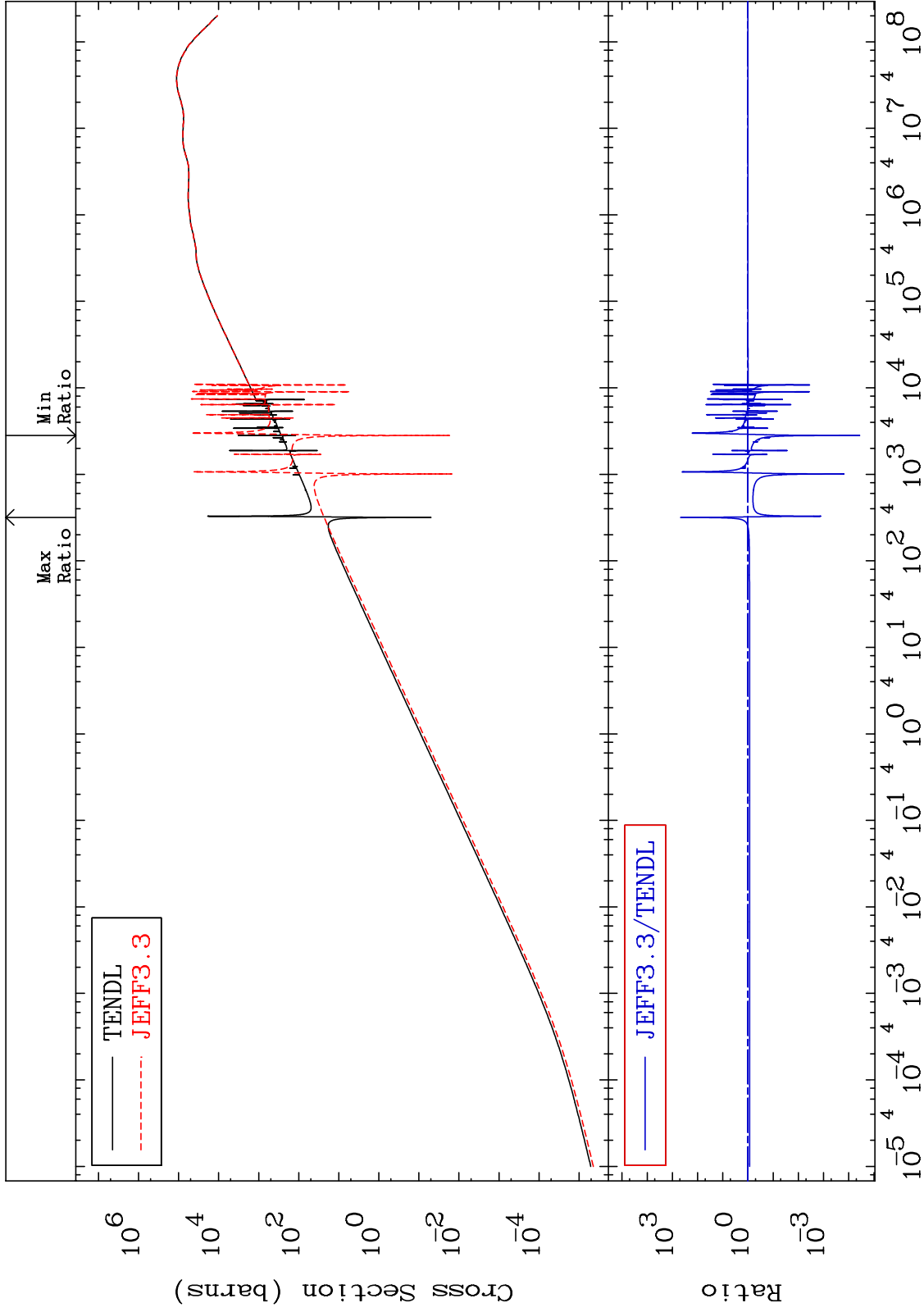
MAT 4455      Kerma total (eV-barns)  
 Cross Section      44-Ru-106  
 -99.98 To 9999. %



MAT 4455

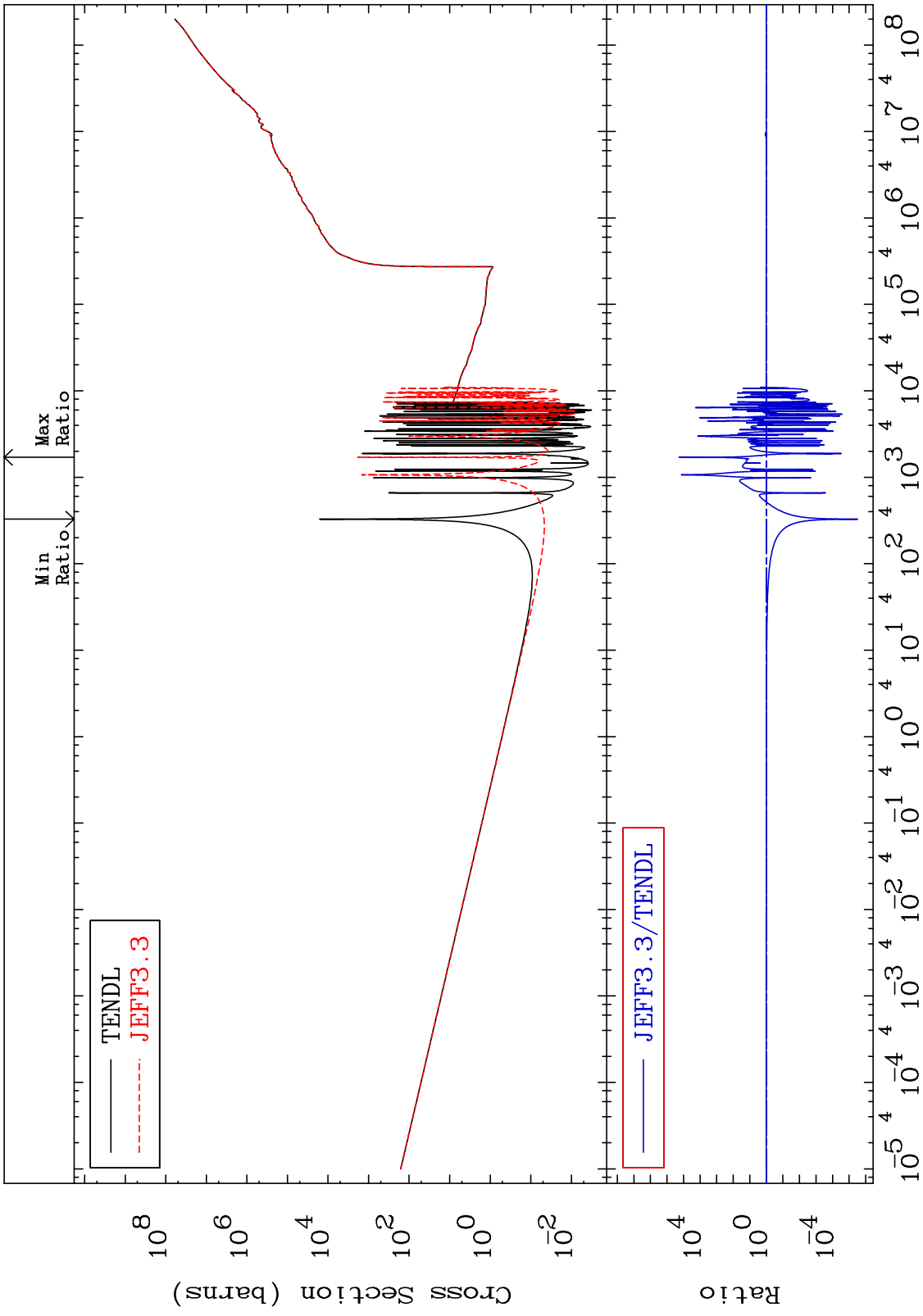
Kerma elastic  
Cross Section

44-Ru-106  
-100.0 To 9999. %





MAT 4455      Kerma non-elastic (all but mt2)      44-Ru-106  
 -100.0 To 9999. %  
 Cross Section

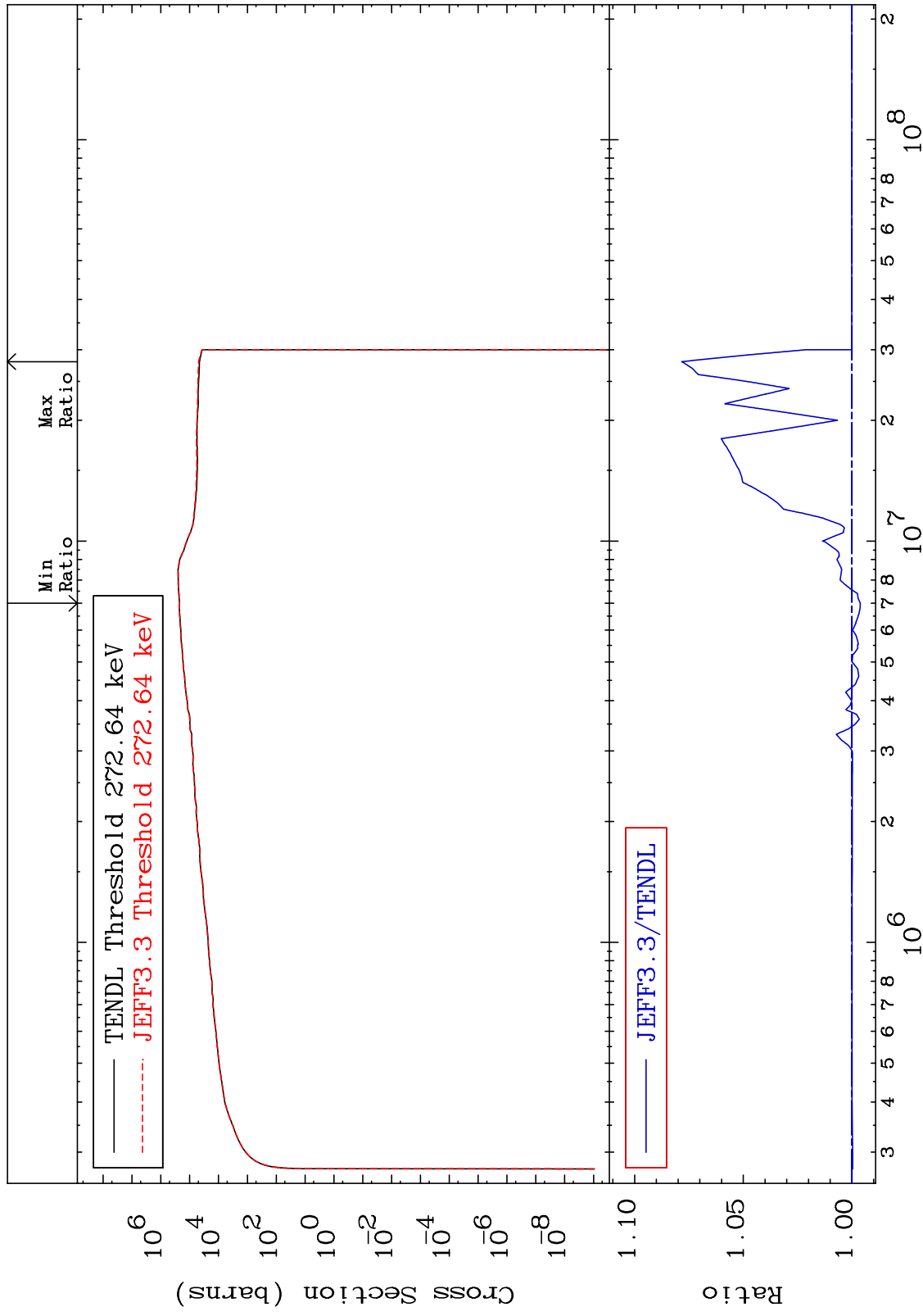


64      Incident Energy (eV)      44-Ru-106

MAT 4455

Kerma inelastic (mt51-91)  
Cross Section

44-Ru-106  
-0.390 To 7.834 %



65

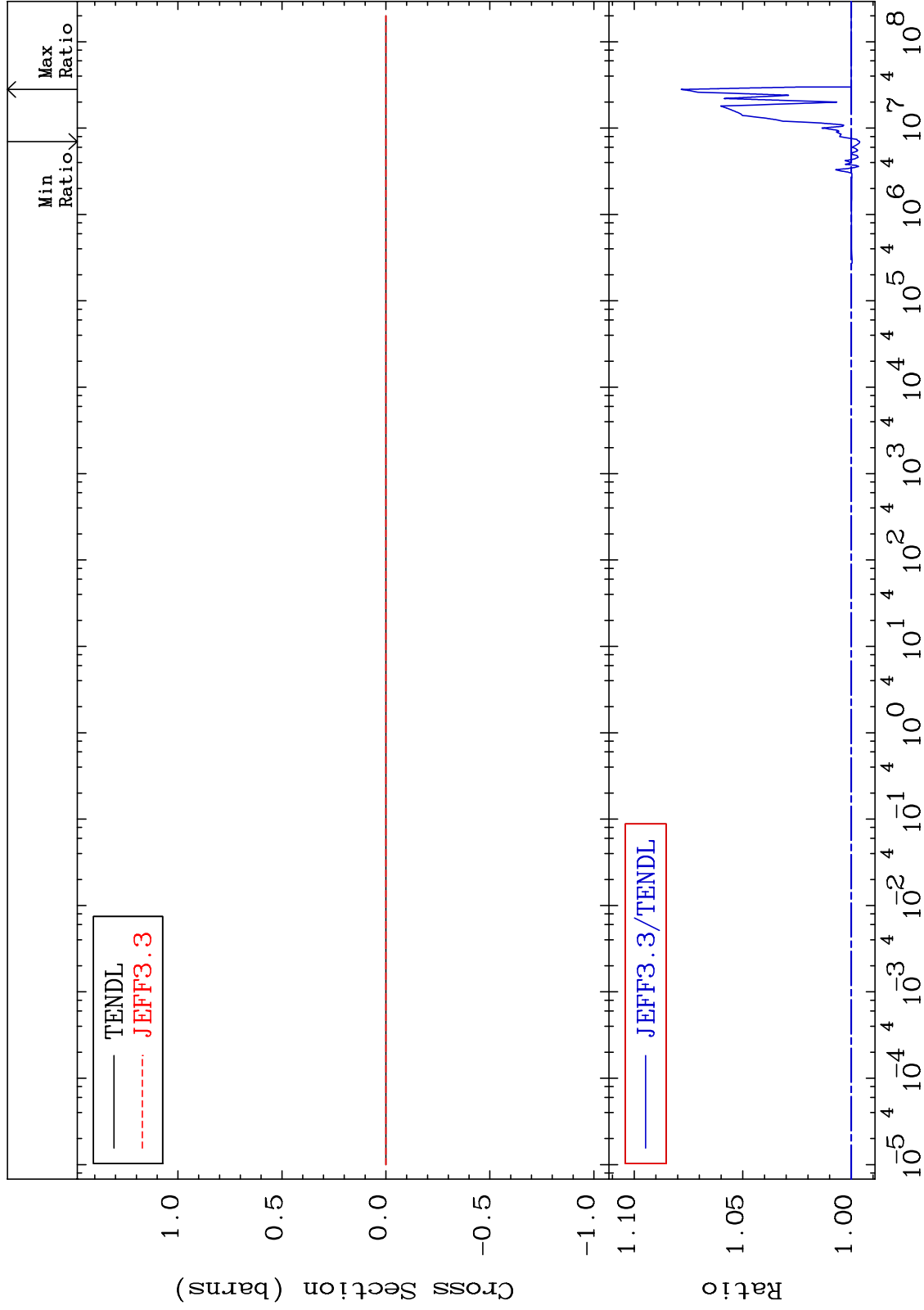
Incident Energy (eV)

44-Ru-106

MAT 4455

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

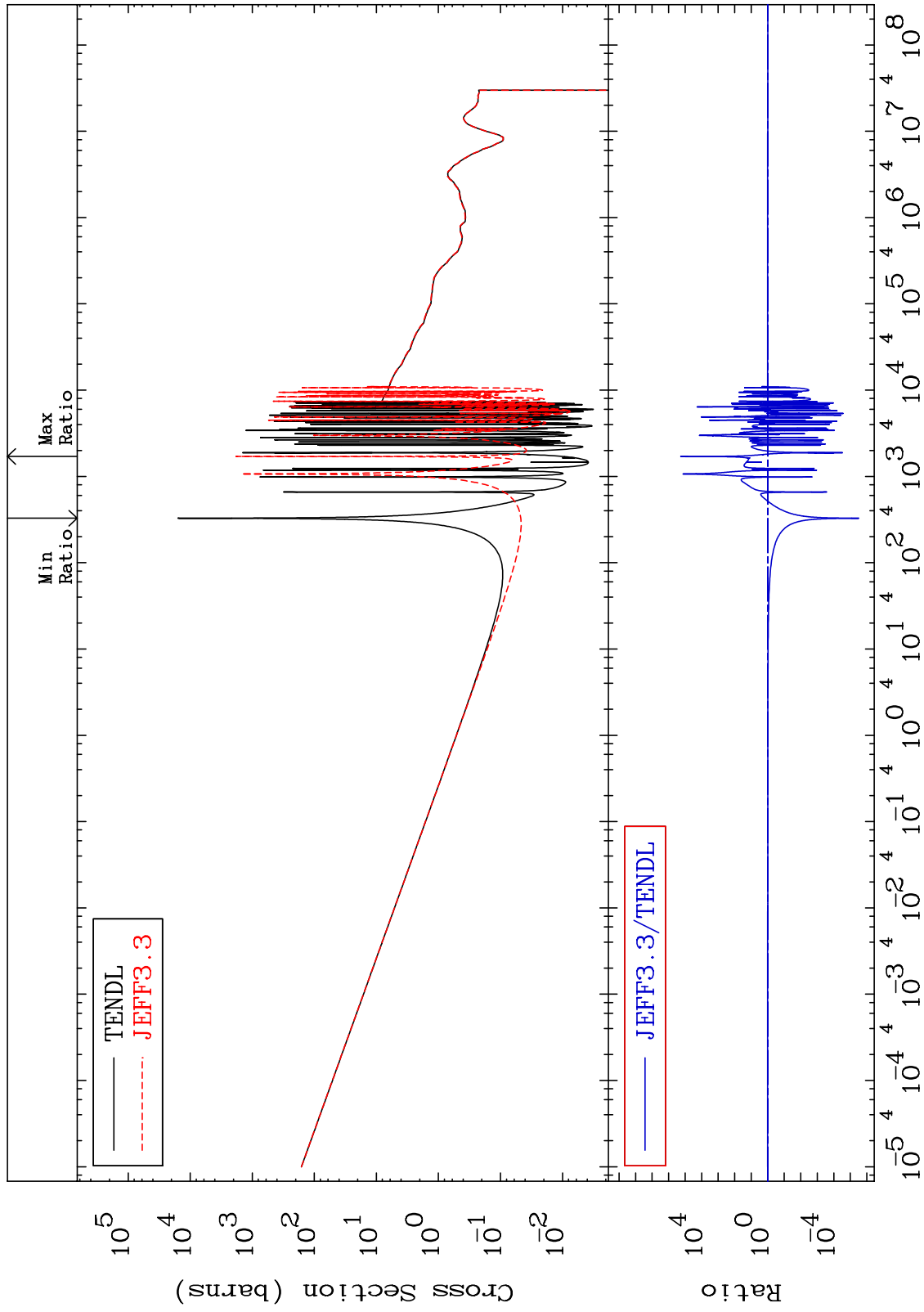
44-Ru-106  
-0.390 To 7.834 %



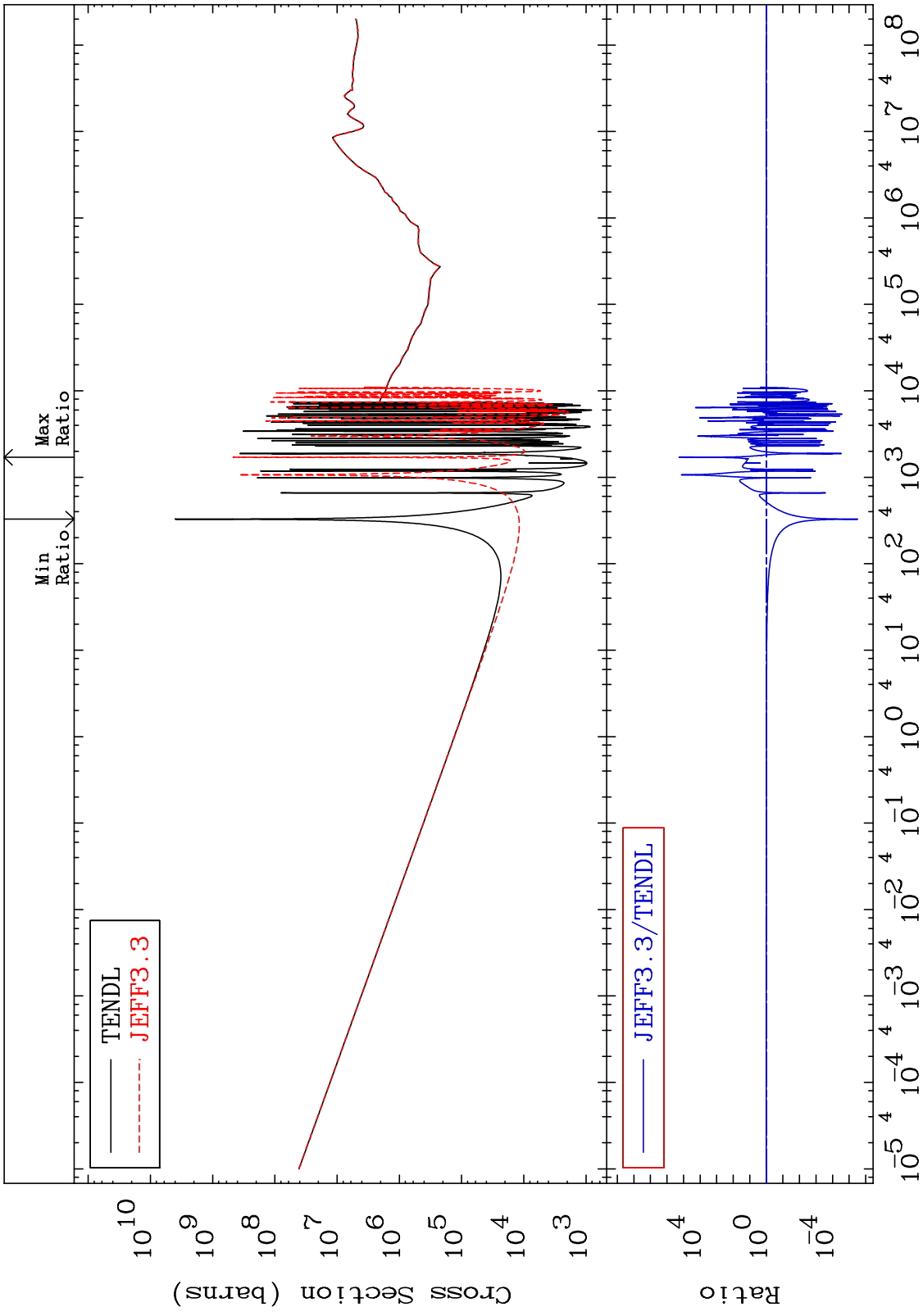
MAT 4455

Kerma capture (mt102)  
Cross Section

44-Ru-106  
-100.0 To 9999. %



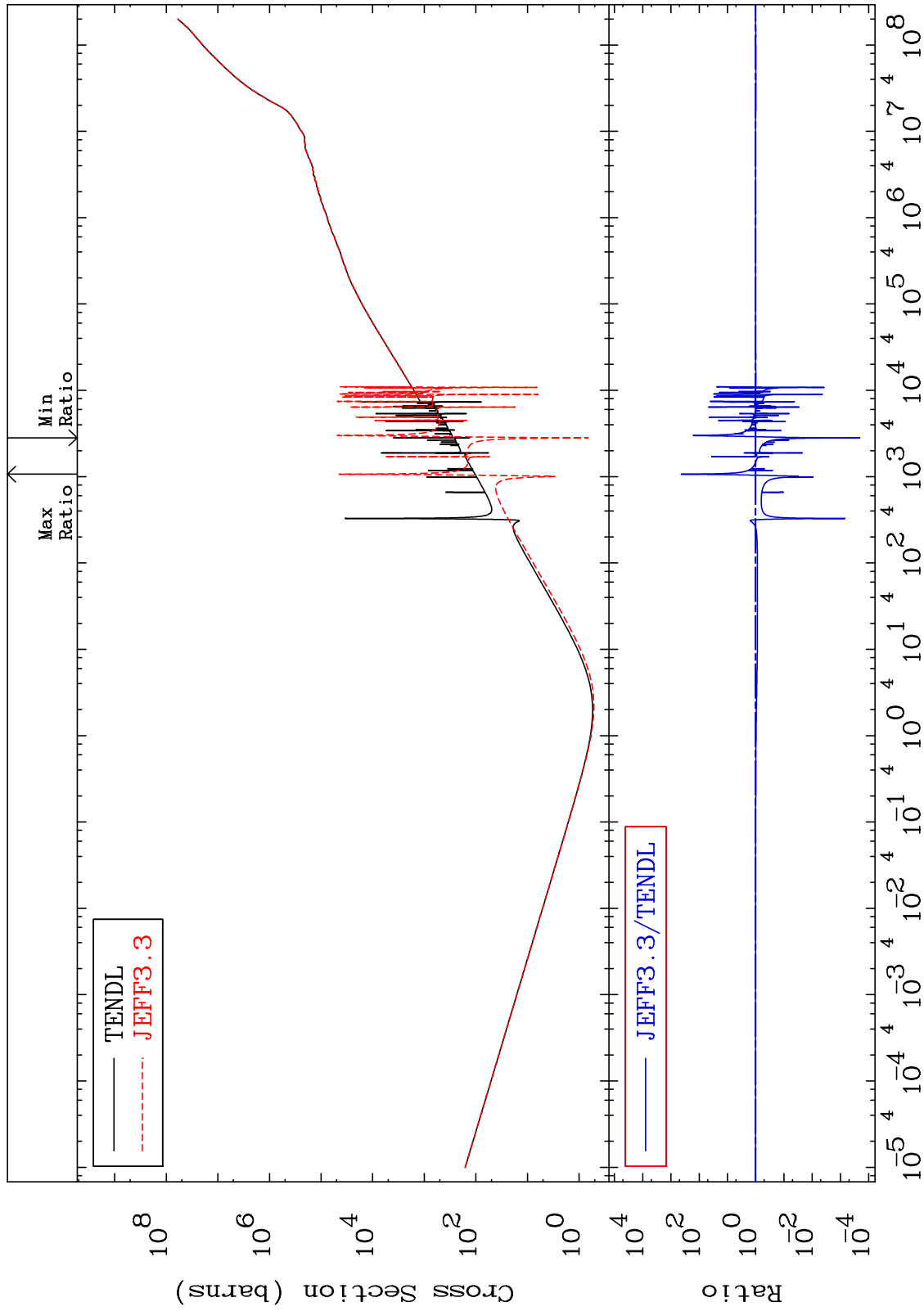
MAT 4455      44-Ru-106      -100.0 To 9999. %



MAT 4455

Total kinematic kerma (high limit)  
Cross Section

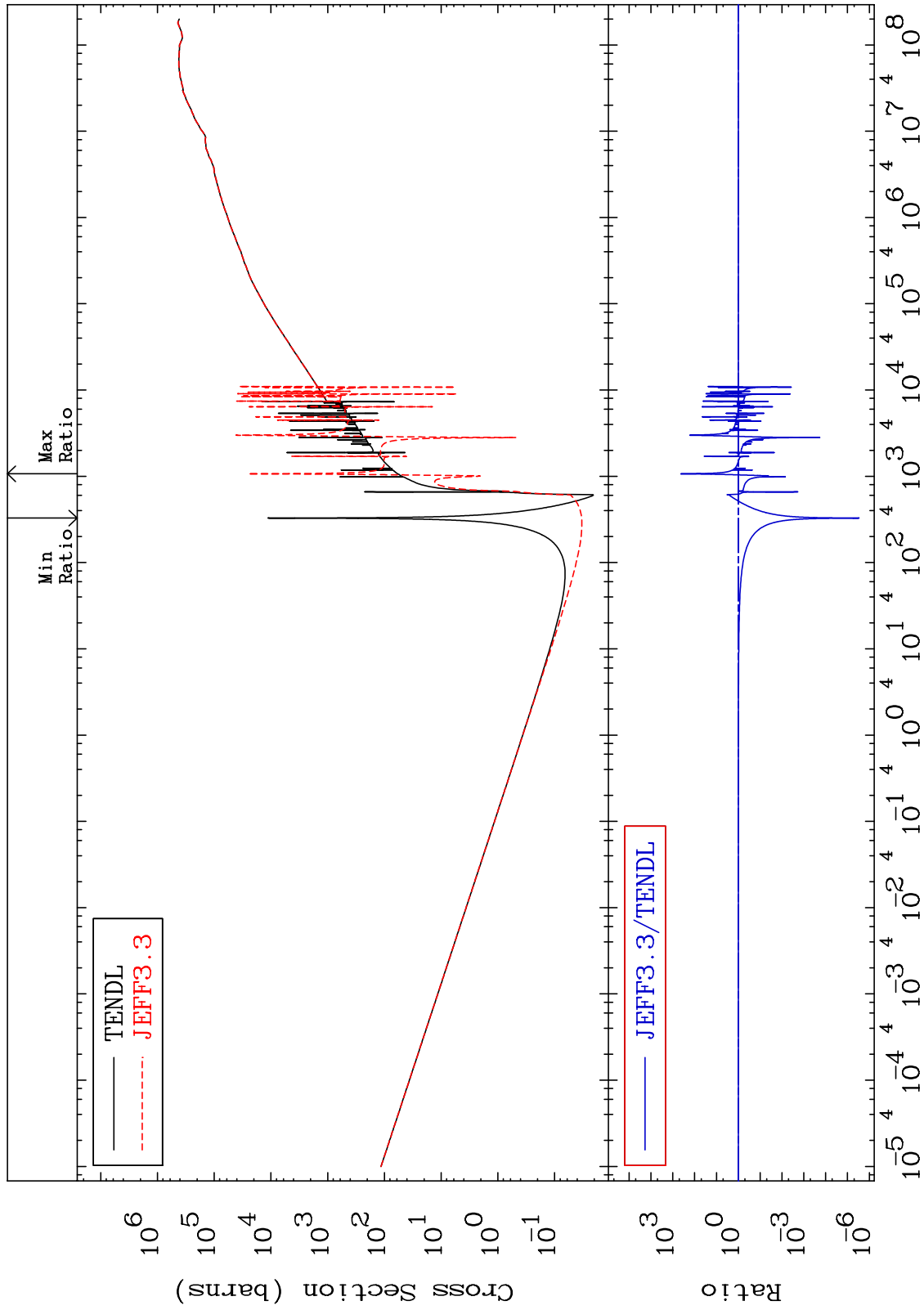
44-Ru-106  
-99.98 To 9999. %



MAT 4455

Dpa total (eV-barns)  
Cross Section

44-Ru-106  
-100.0 To 9999. %



70

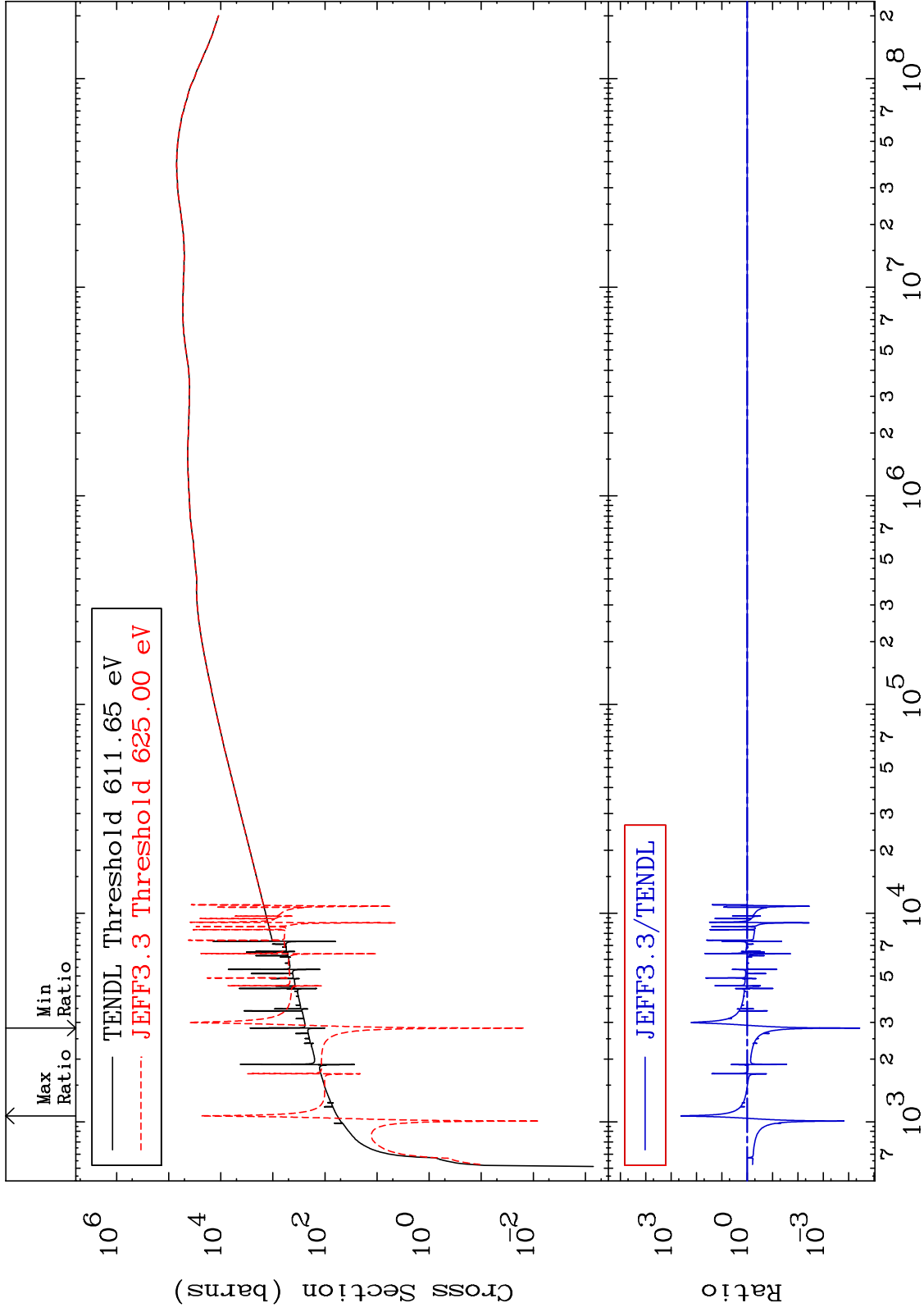
Incident Energy (eV)

44-Ru-106

MAT 4455

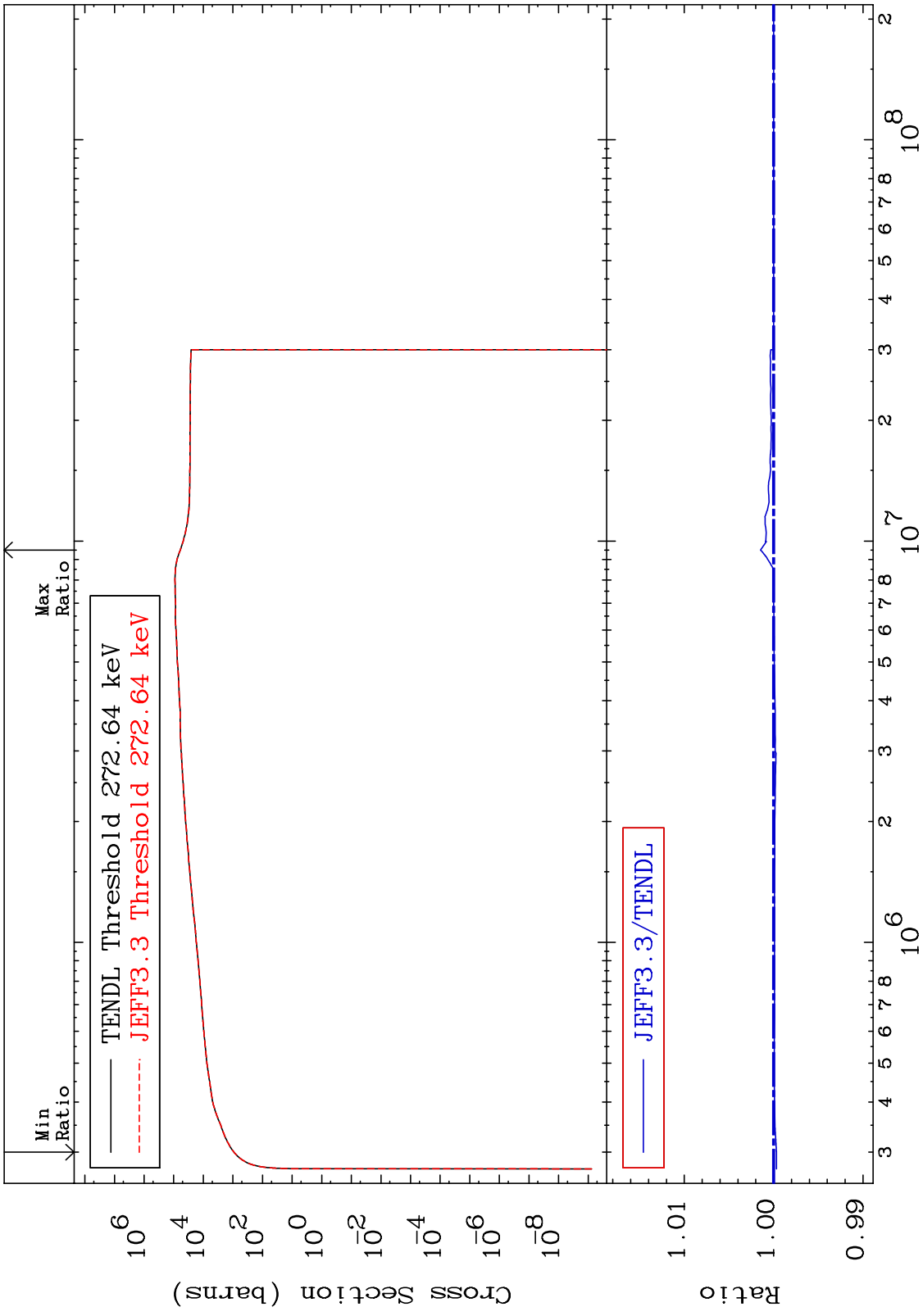
Dpa elastic (mt2)  
Cross Section

44-Ru-106  
-100.0 To 9999. %





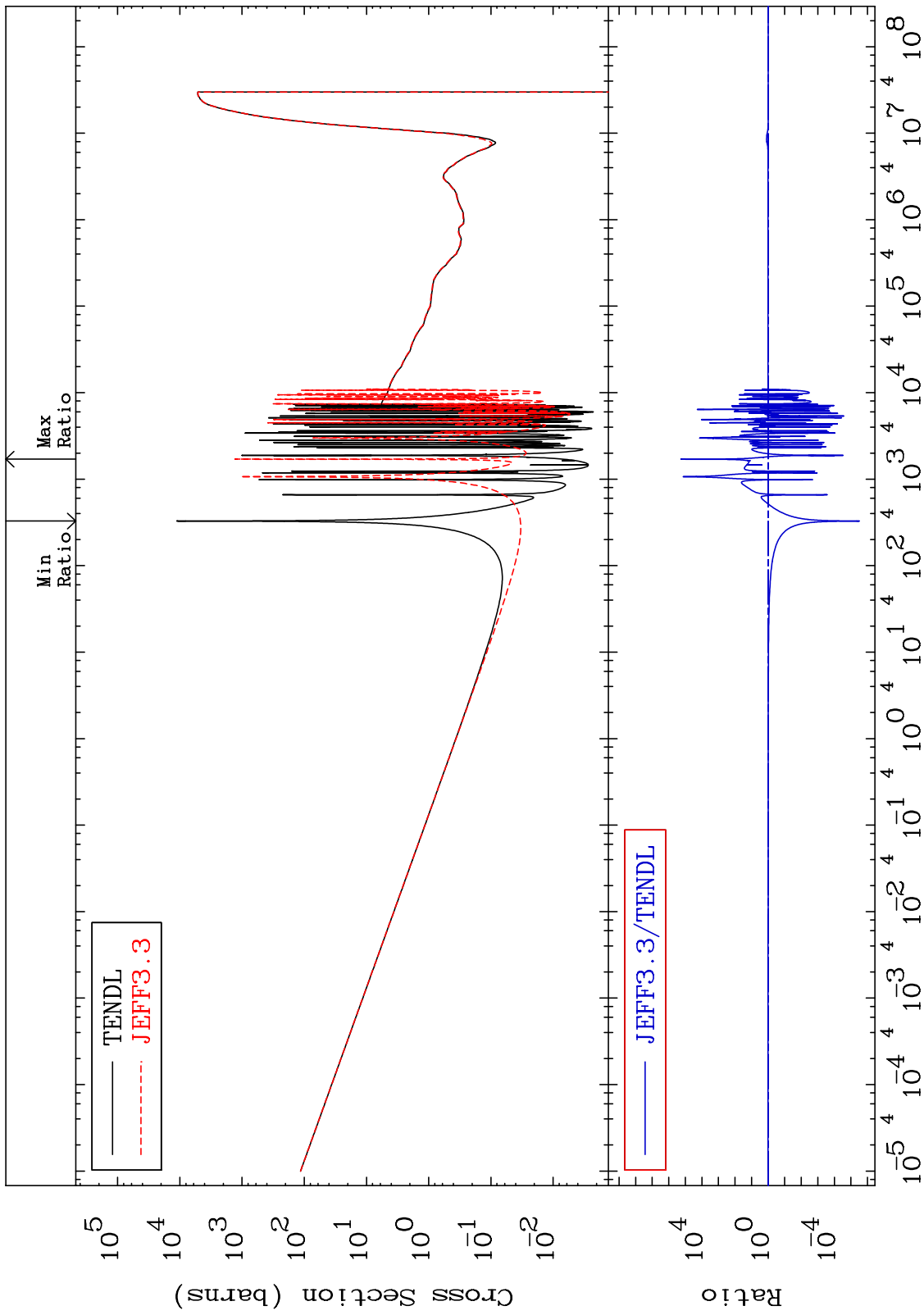
MAT 4455      Dpa inelastic (mt51-91)      44-Ru-106  
 Cross Section      -0.031 To 0.148 %



MAT 4455

Dpa disappearance (mt102 -120)  
Cross Section

44-Ru-106  
-100.0 To 9999. %



73

Incident Energy (eV)

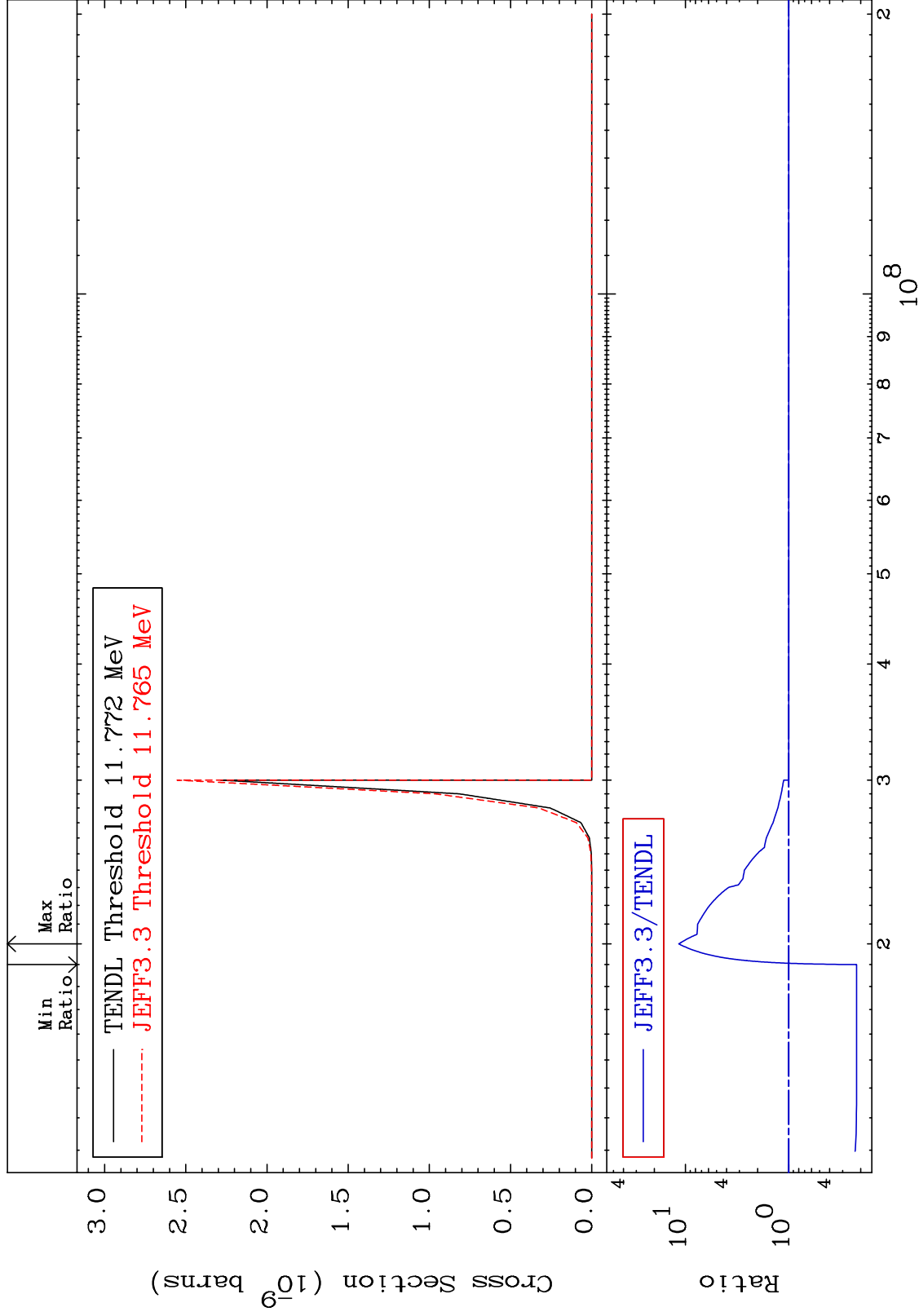
44-Ru-106

MAT 4455

(n,p)  $\alpha$ : 41-Nb-102g

44-Ru-106

Radionuclide Production Cross Section -78.06 To 1062. %



MAT 4455

(n, p)  $\alpha$ :41-Nb-102m1

44-Ru-106

Radionuclide Production Cross Section -84.83 To 1087. %

