

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

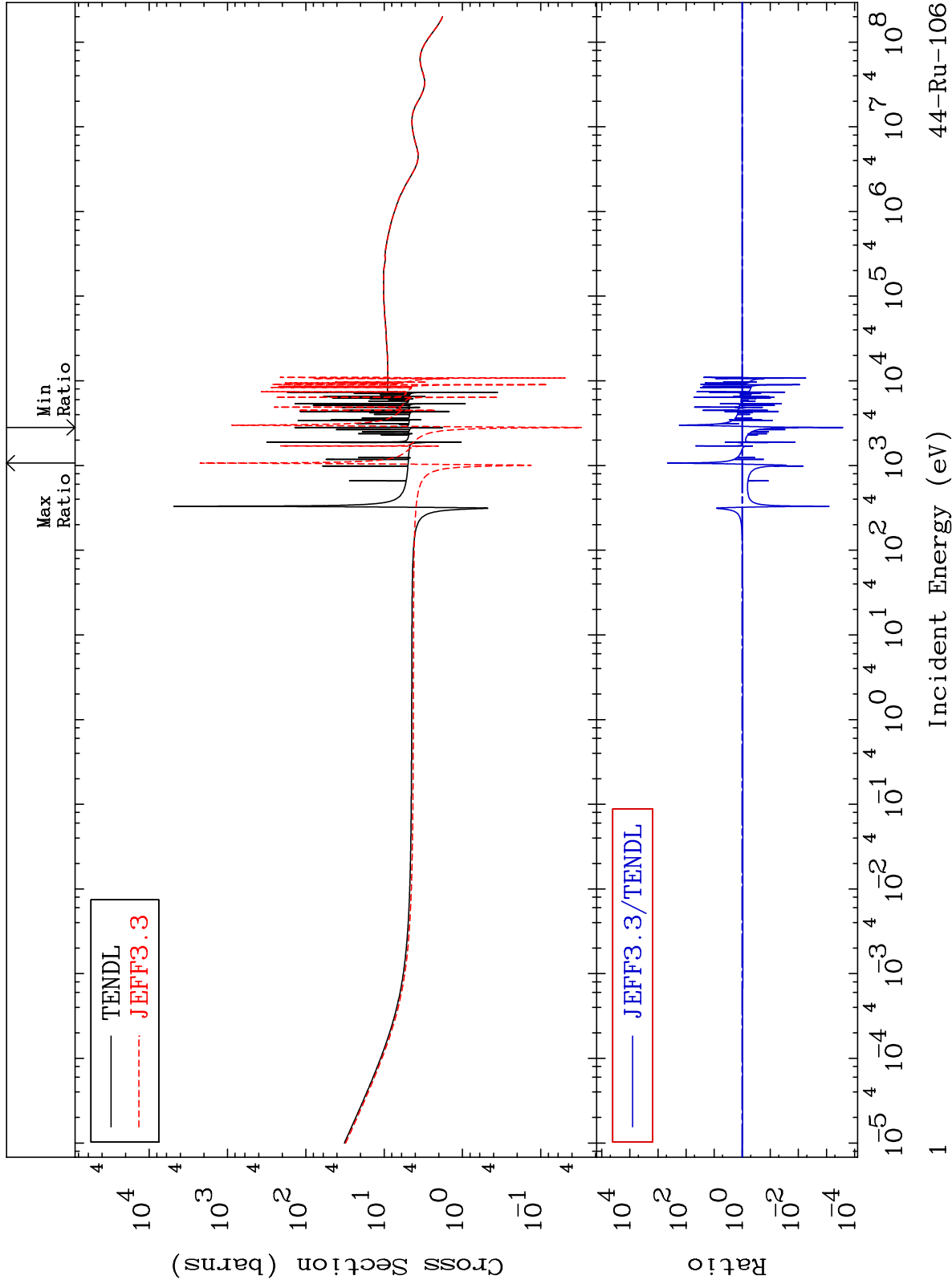
MAT 4455

Total

44-Ru-106

-99.97 To 9999. %

Cross Section

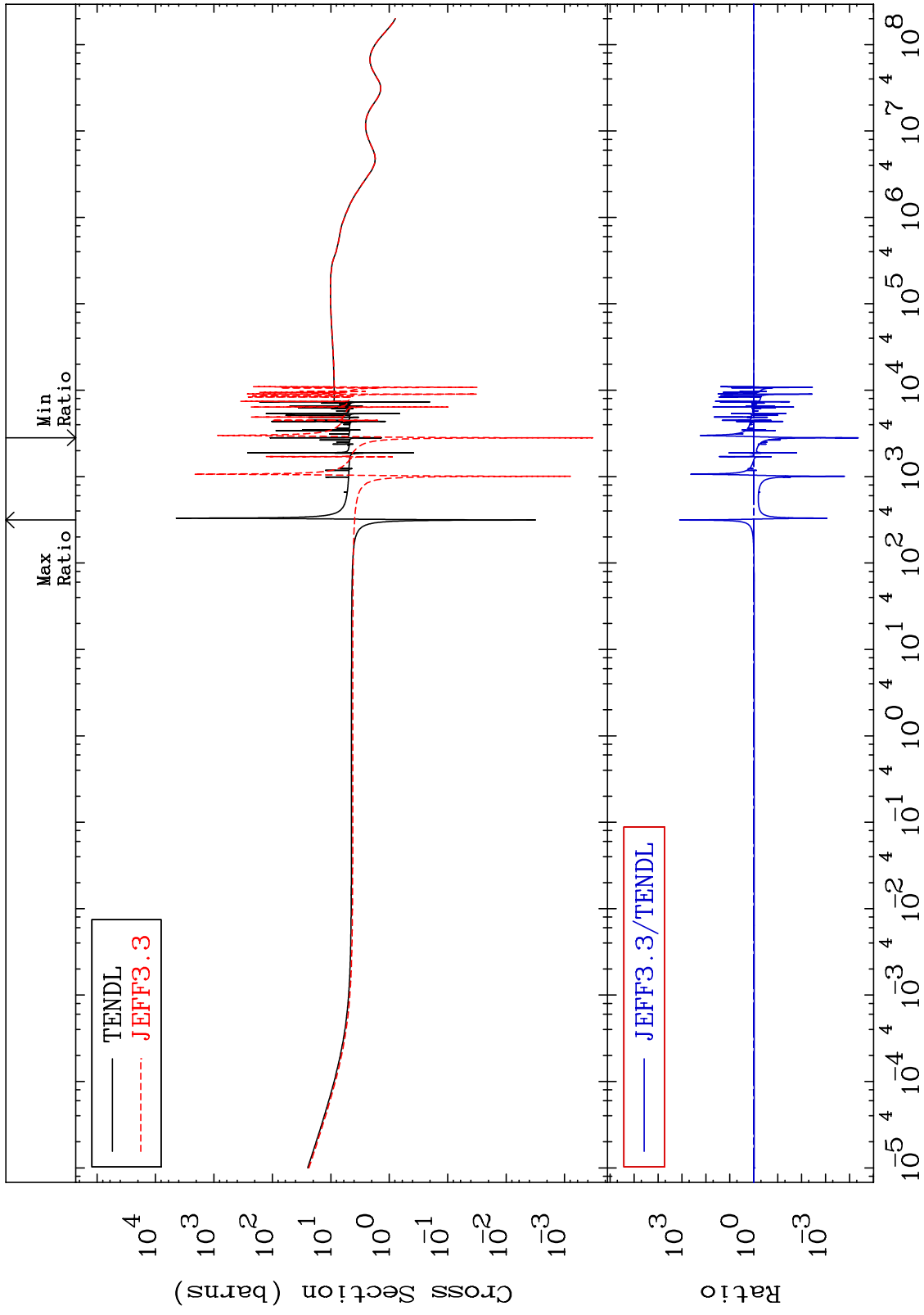


44-Ru-106

MAT 4455

Elastic  
Cross Section

44-Ru-106  
-100.0 To 9999. %

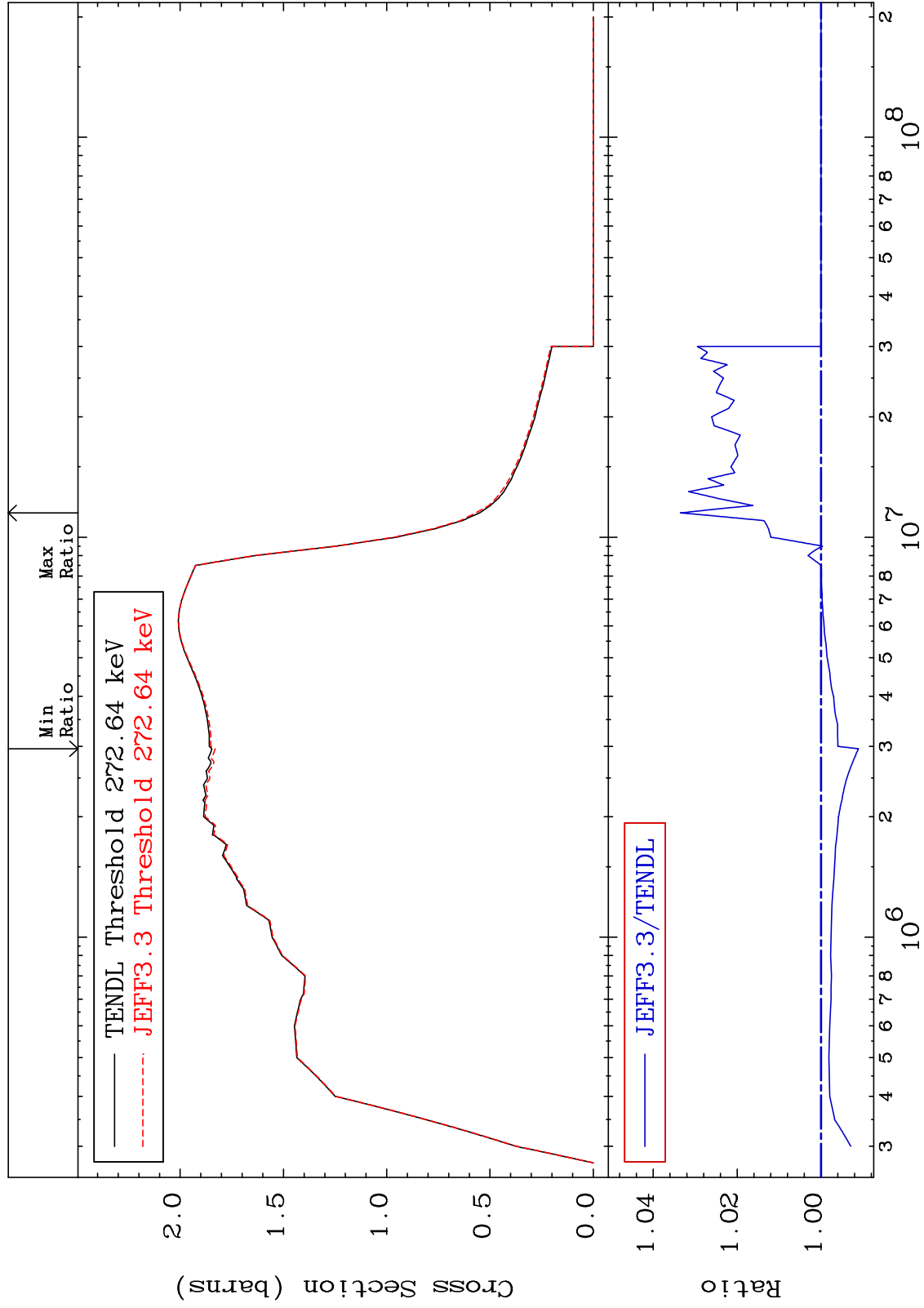


MAT 4455

44-Ru-106

-0.895 To 3.352 %

Inelastic  
Cross Section



44-Ru-106

Incident Energy (eV)

3

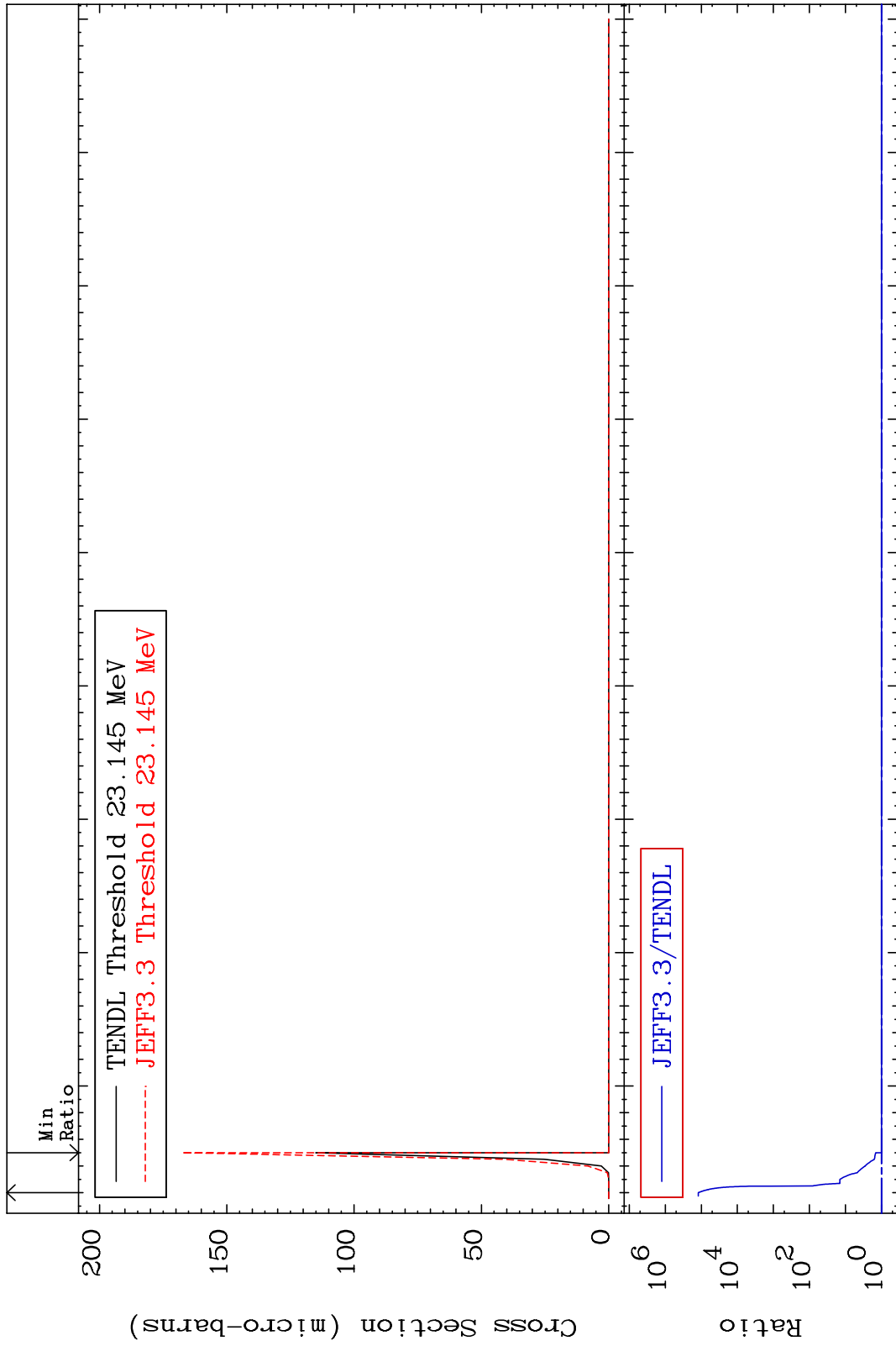
MAT 4455

(n,2n) d

44-Ru-106

Cross Section

0.000 To 9999. %



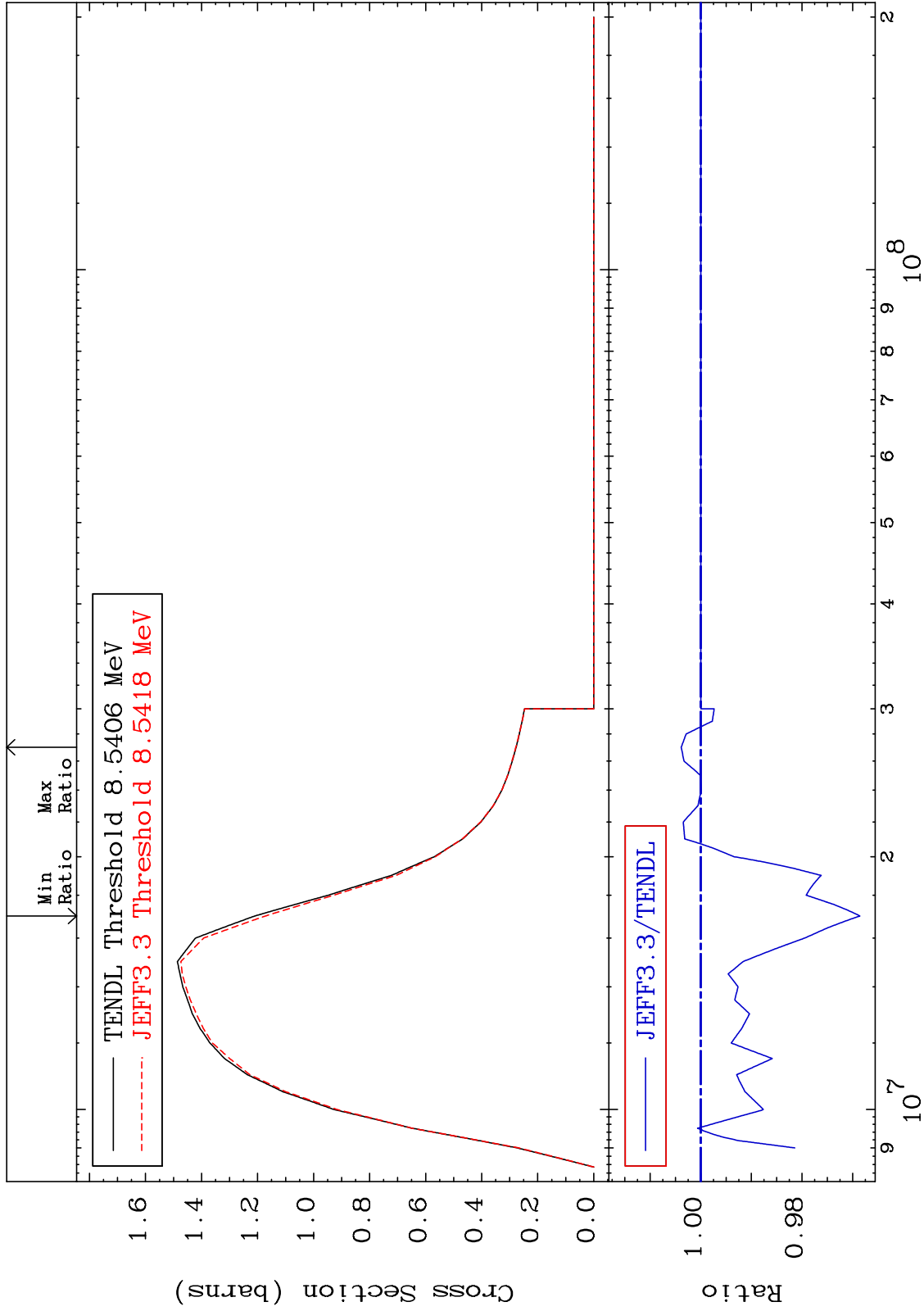
MAT 4455

(n,2n)

44-Ru-106

Cross Section

-3.144 To 0.386 %



5

Incident Energy (eV)

44-Ru-106

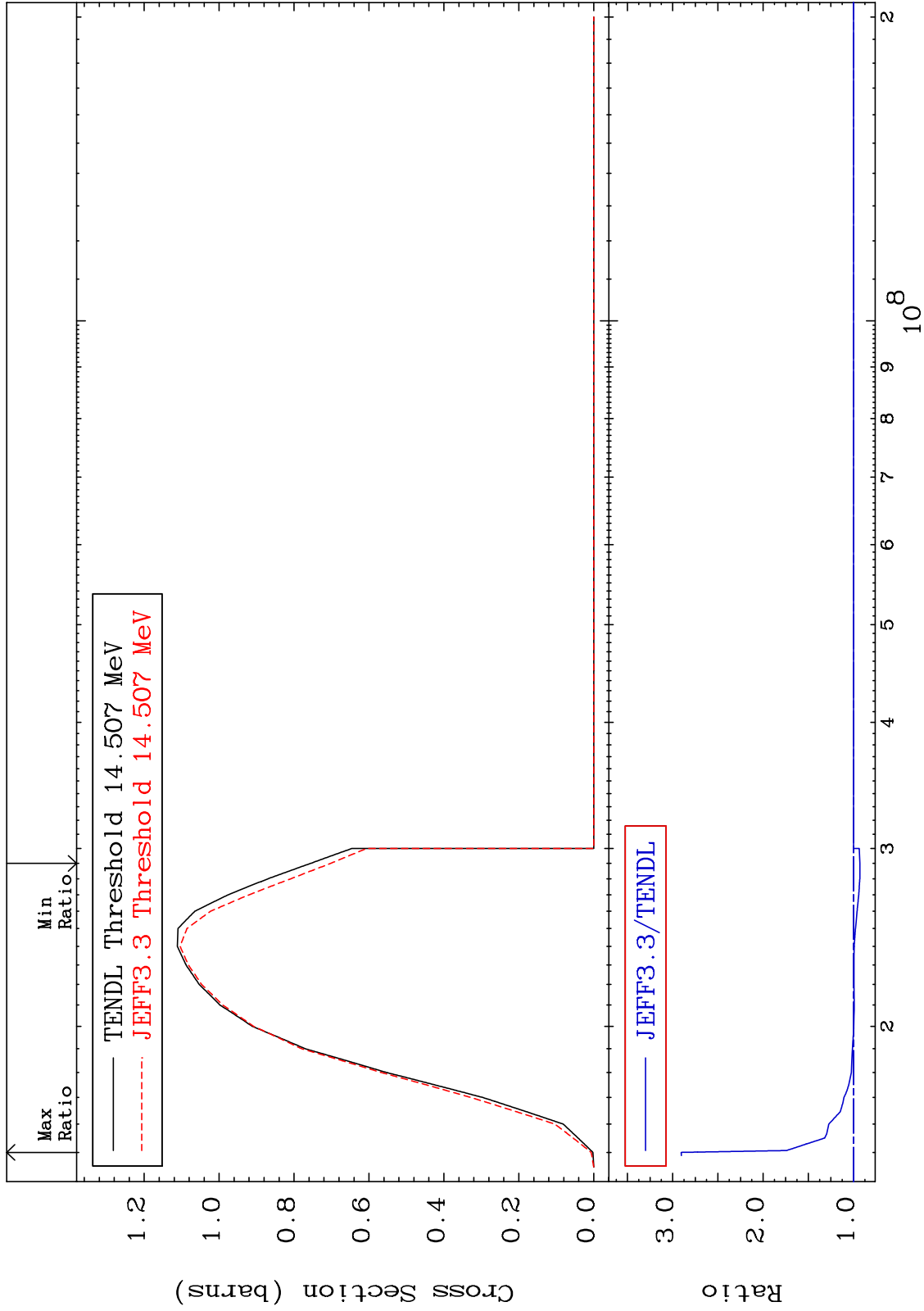
MAT 4455

(n, 3n)

44-Ru-106

Cross Section

-7.096 To 190.5 %



6

44-Ru-106

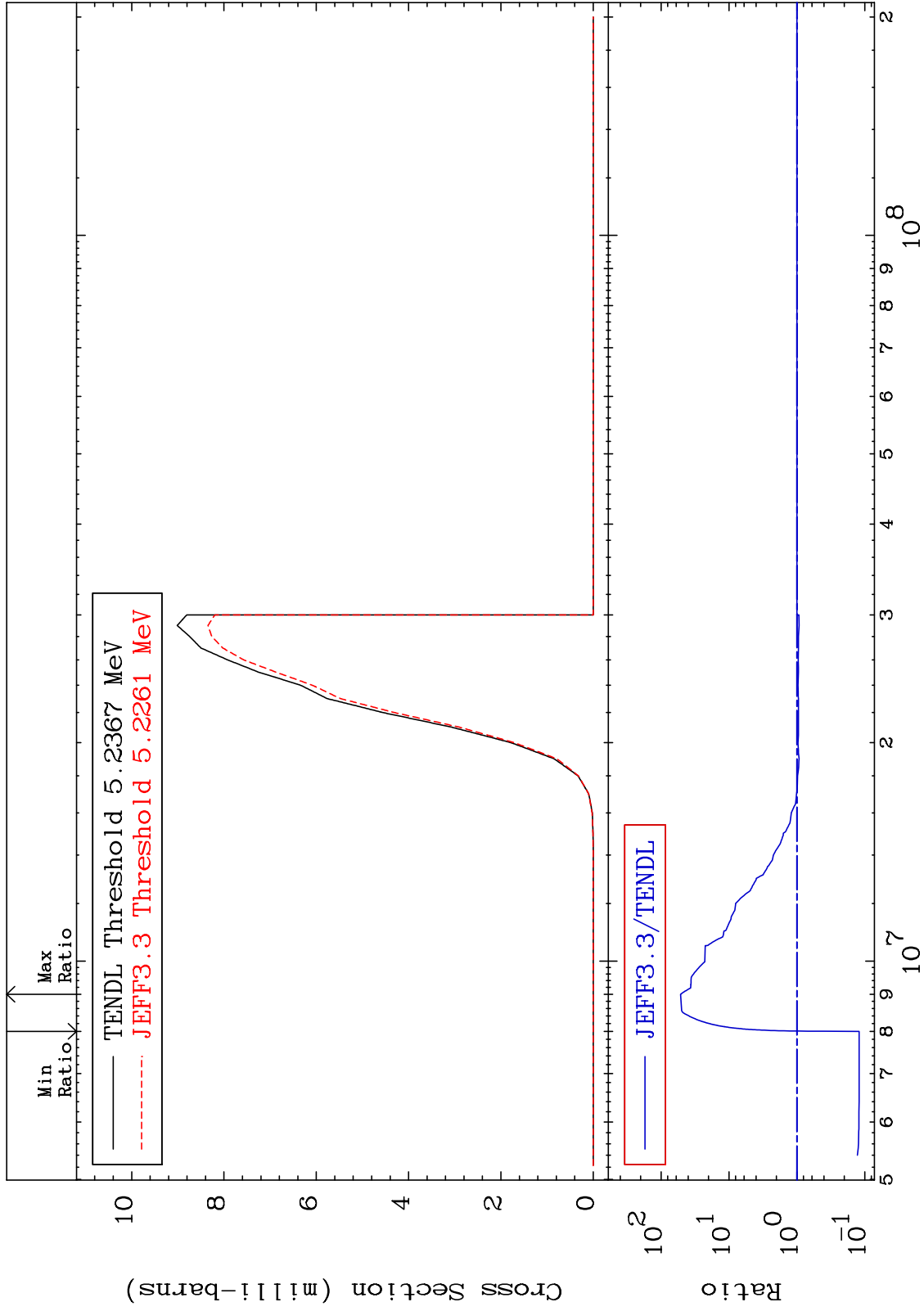
MAT 4455

(n,n')  $\alpha$

44-Ru-106

Cross Section

-87.92 To 5058. %



Incident Energy (eV)

44-Ru-106

7



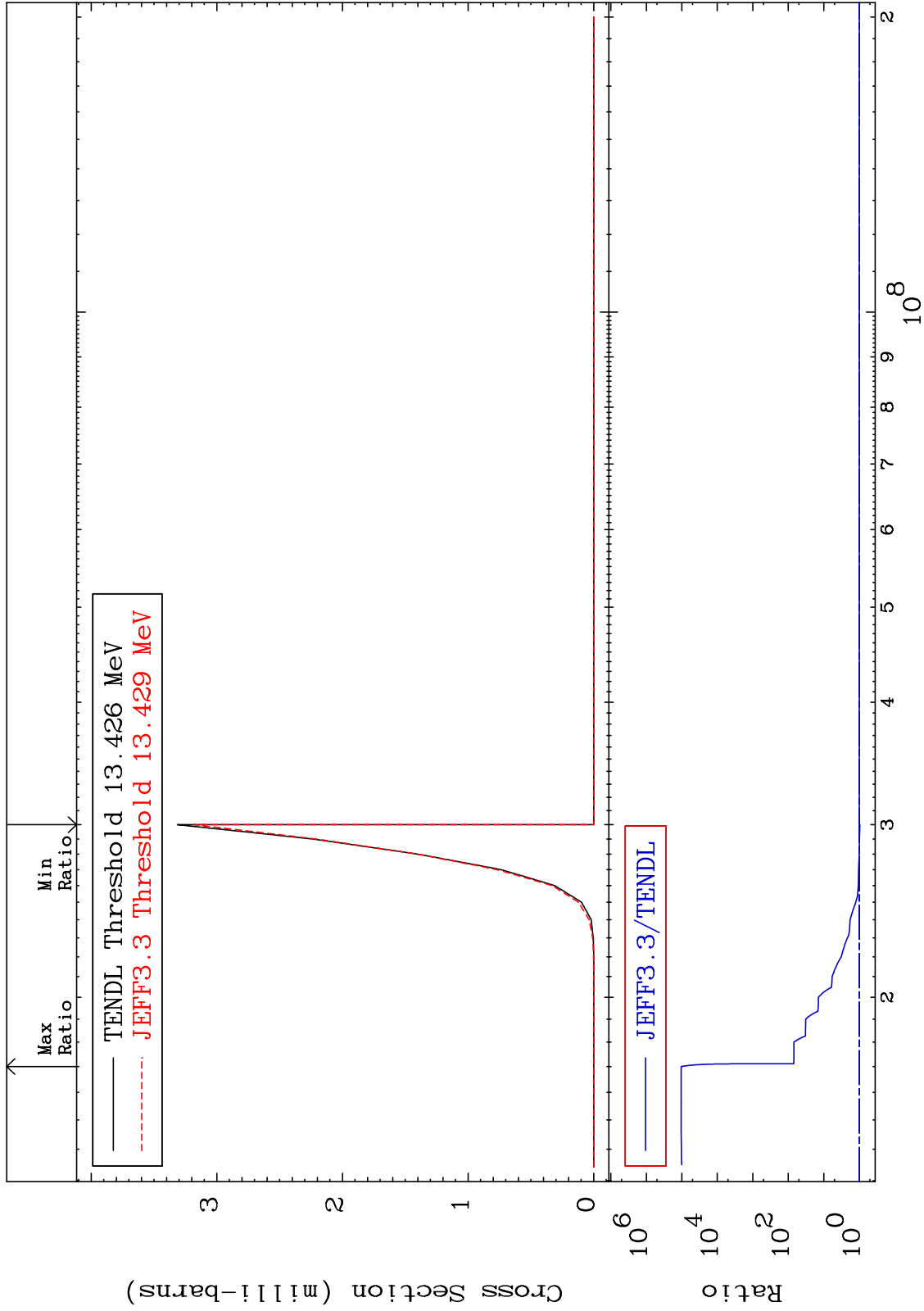
MAT 4455

(n,2n)  $\alpha$

44-Ru-106

Cross Section

-3.992 To 9999. %



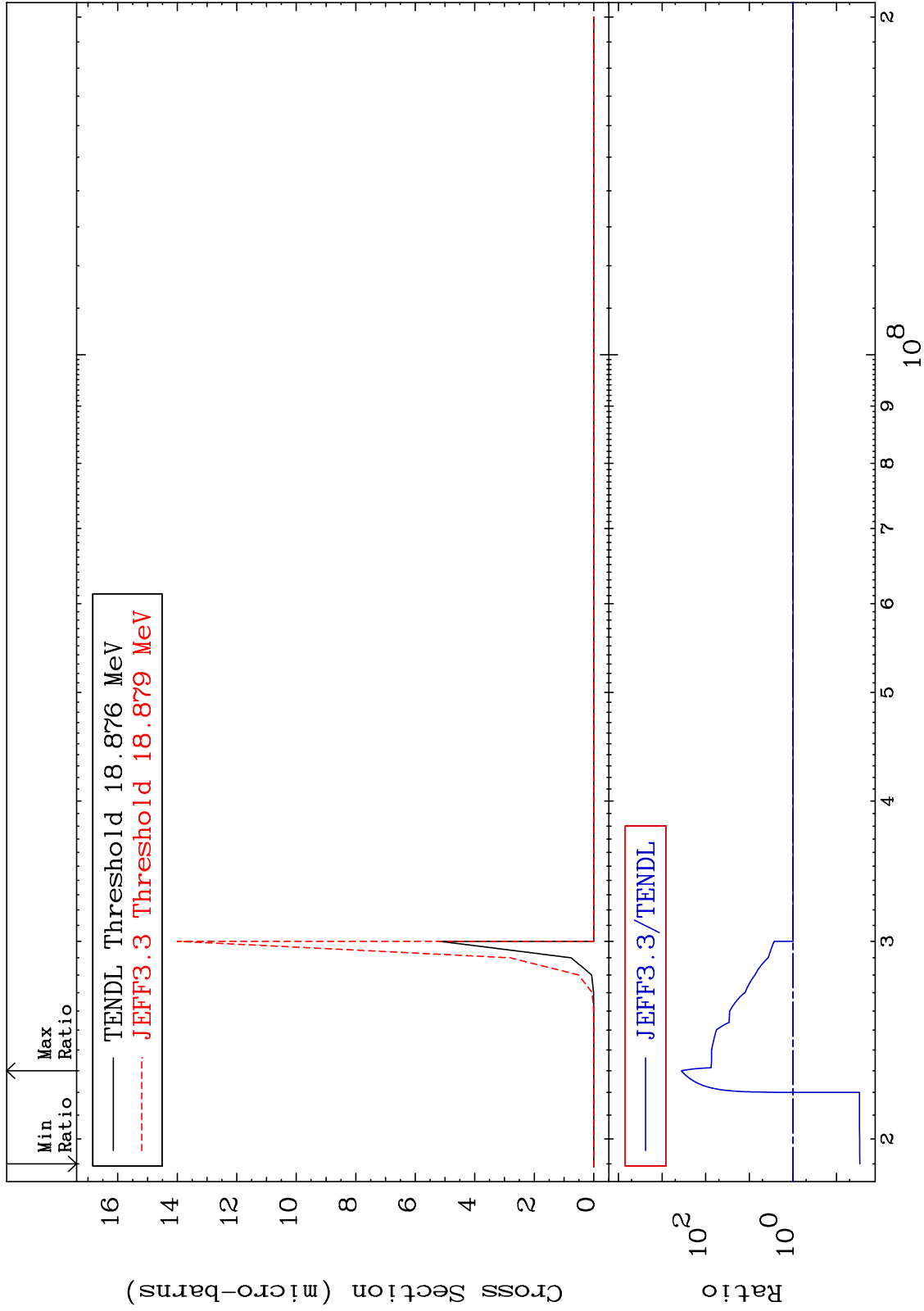
MAT 4455

(n,3n)  $\alpha$

44-Ru-106

Cross Section

-97.09 To 9999. %



9

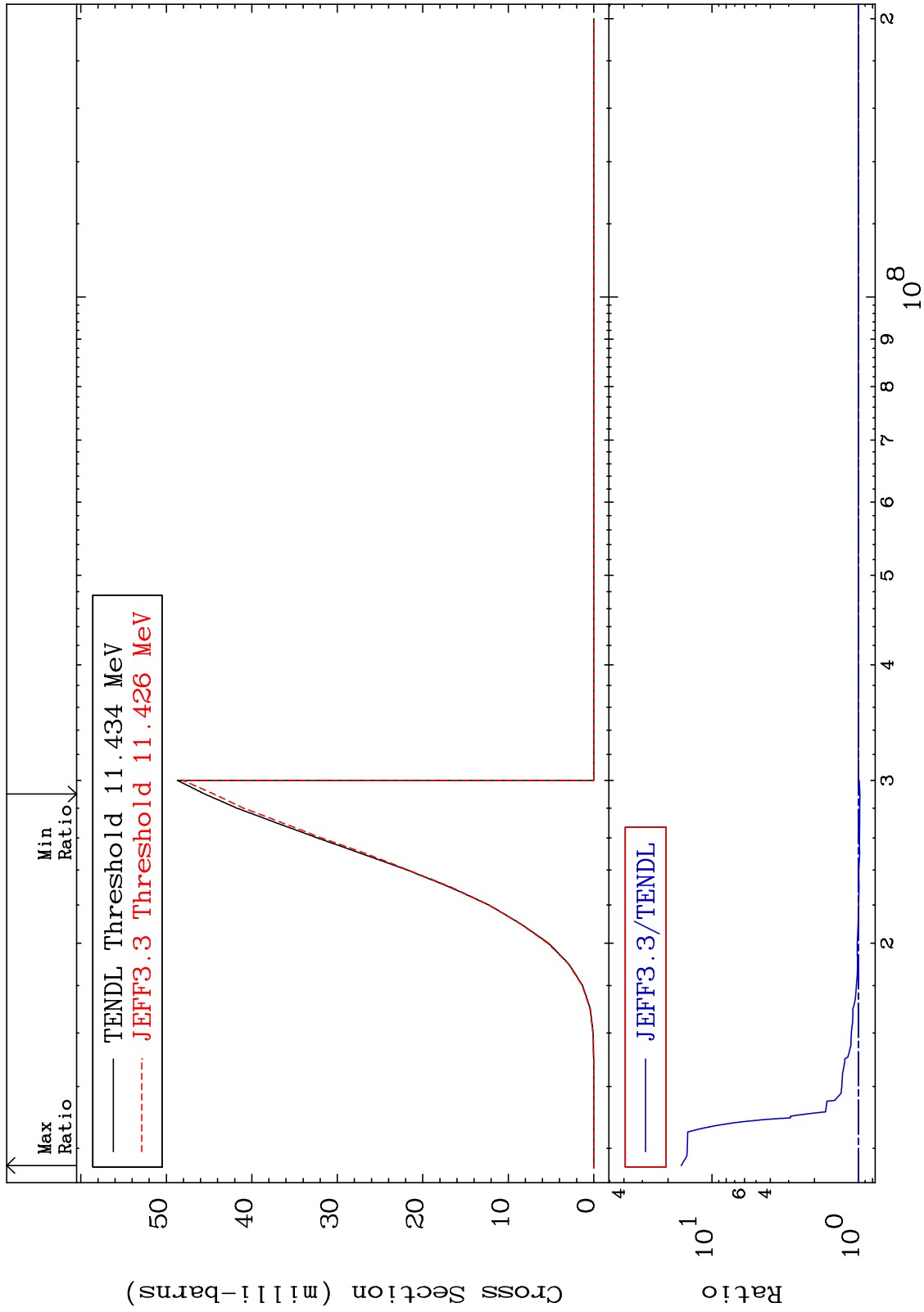
Incident Energy (eV)

44-Ru-106

MAT 4455

(n,n') p  
Cross Section

44-Ru-106  
-2.326 To 1524. %



10

Incident Energy (eV)

44-Ru-106

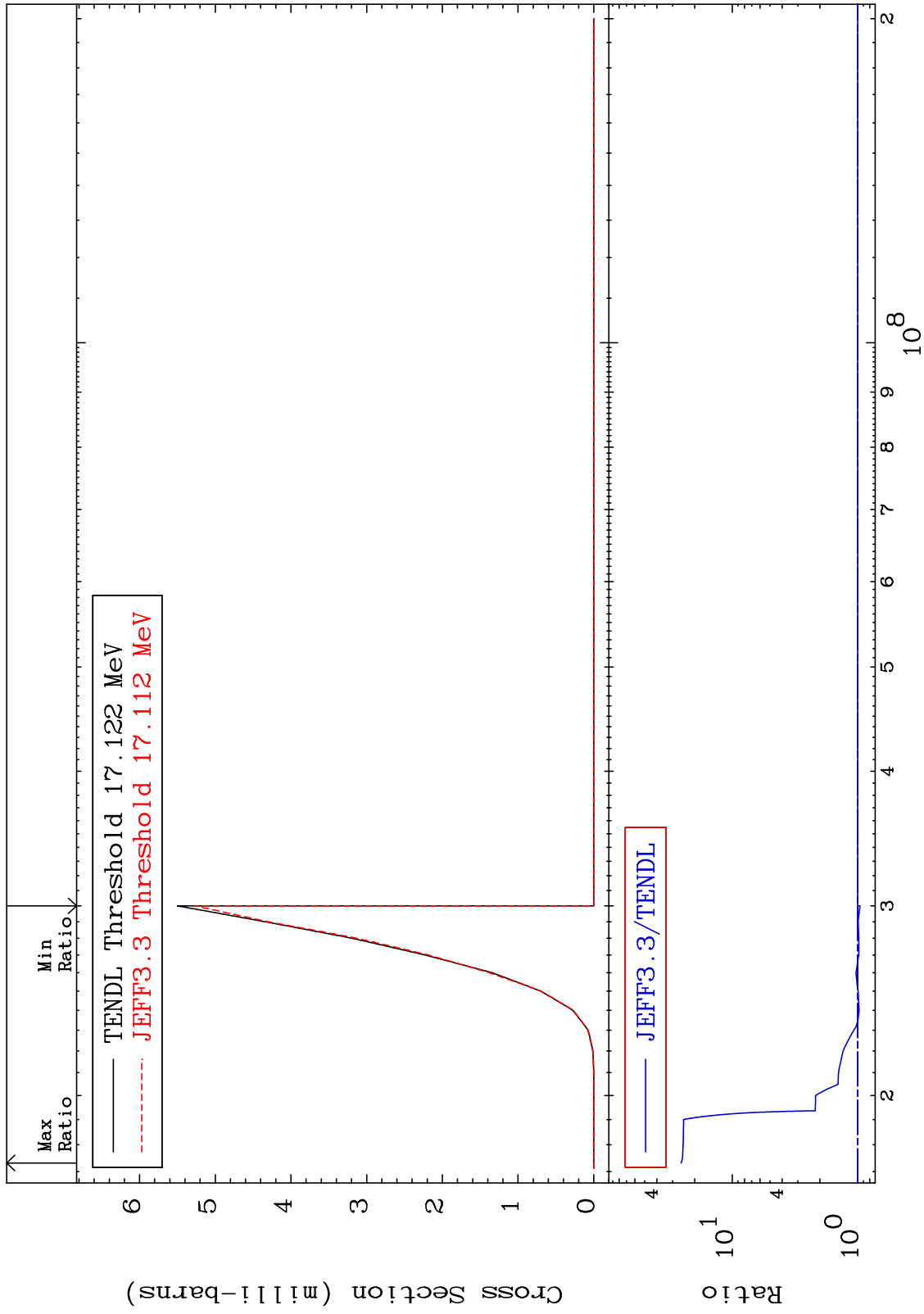
MAT 4455

(n,n') d

44-Ru-106

Cross Section

-4.162 To 2459. %



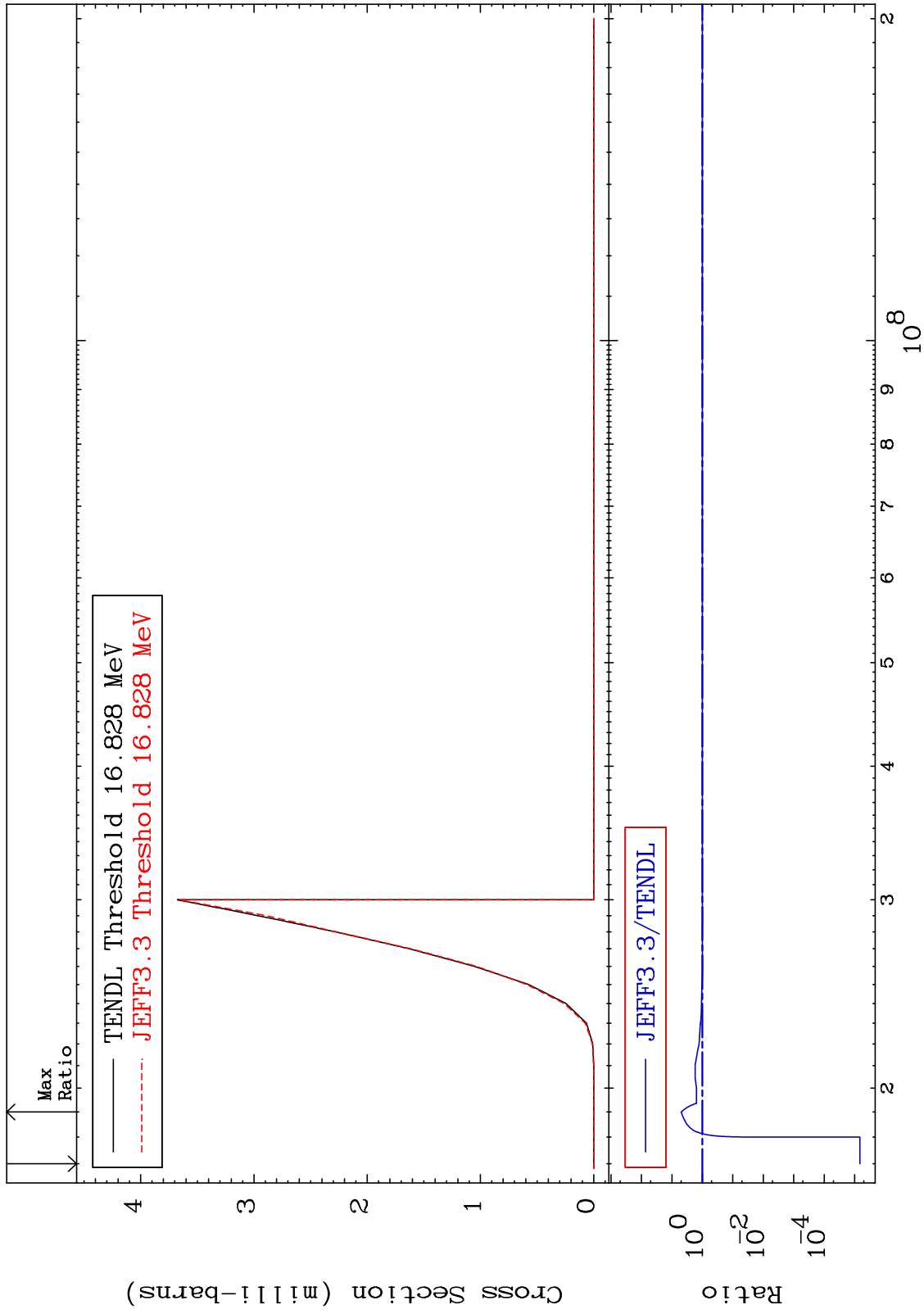
MAT 4455

(n, n') t

44-Ru-106

Cross Section

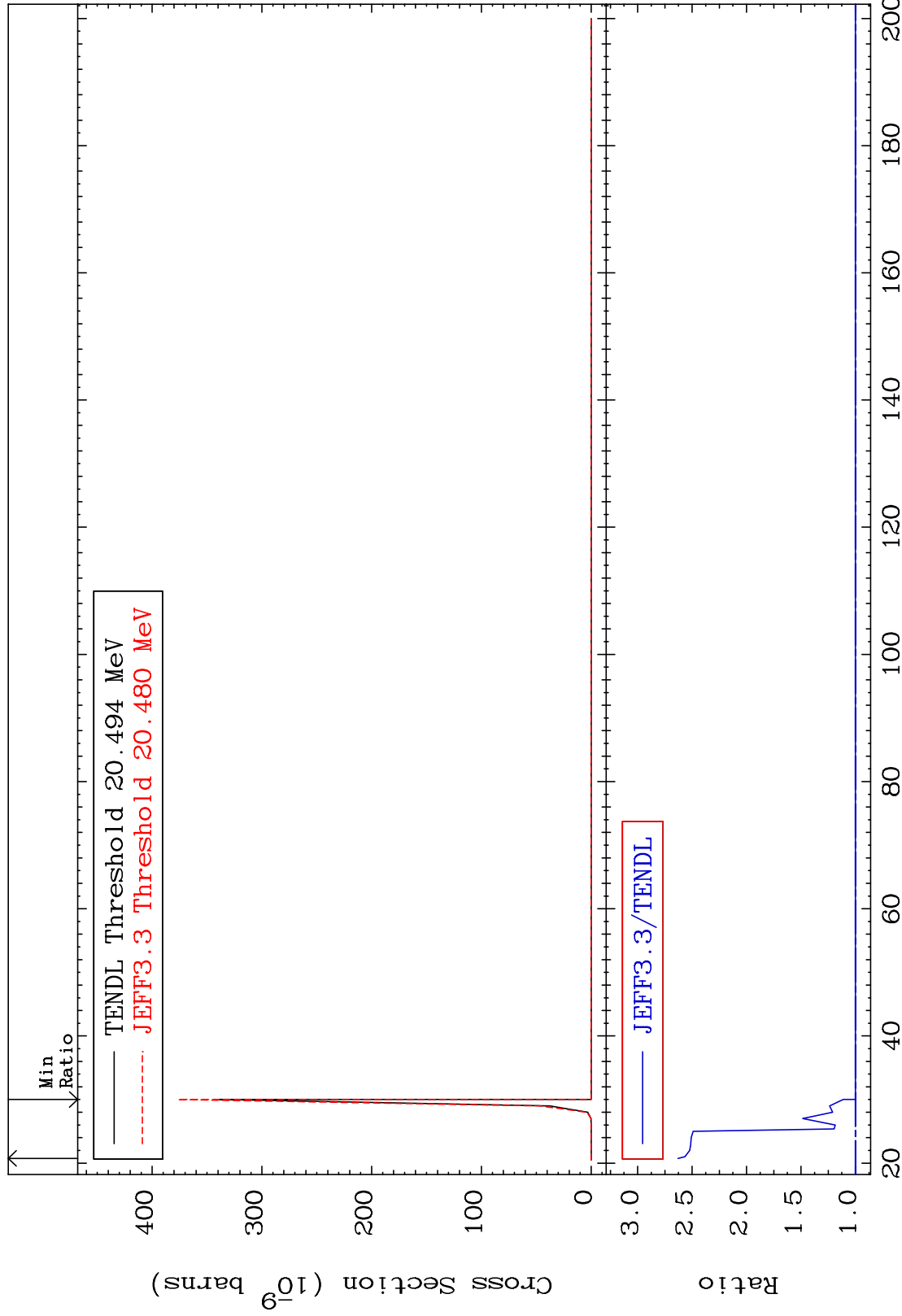
-100.0 To 393.8 %



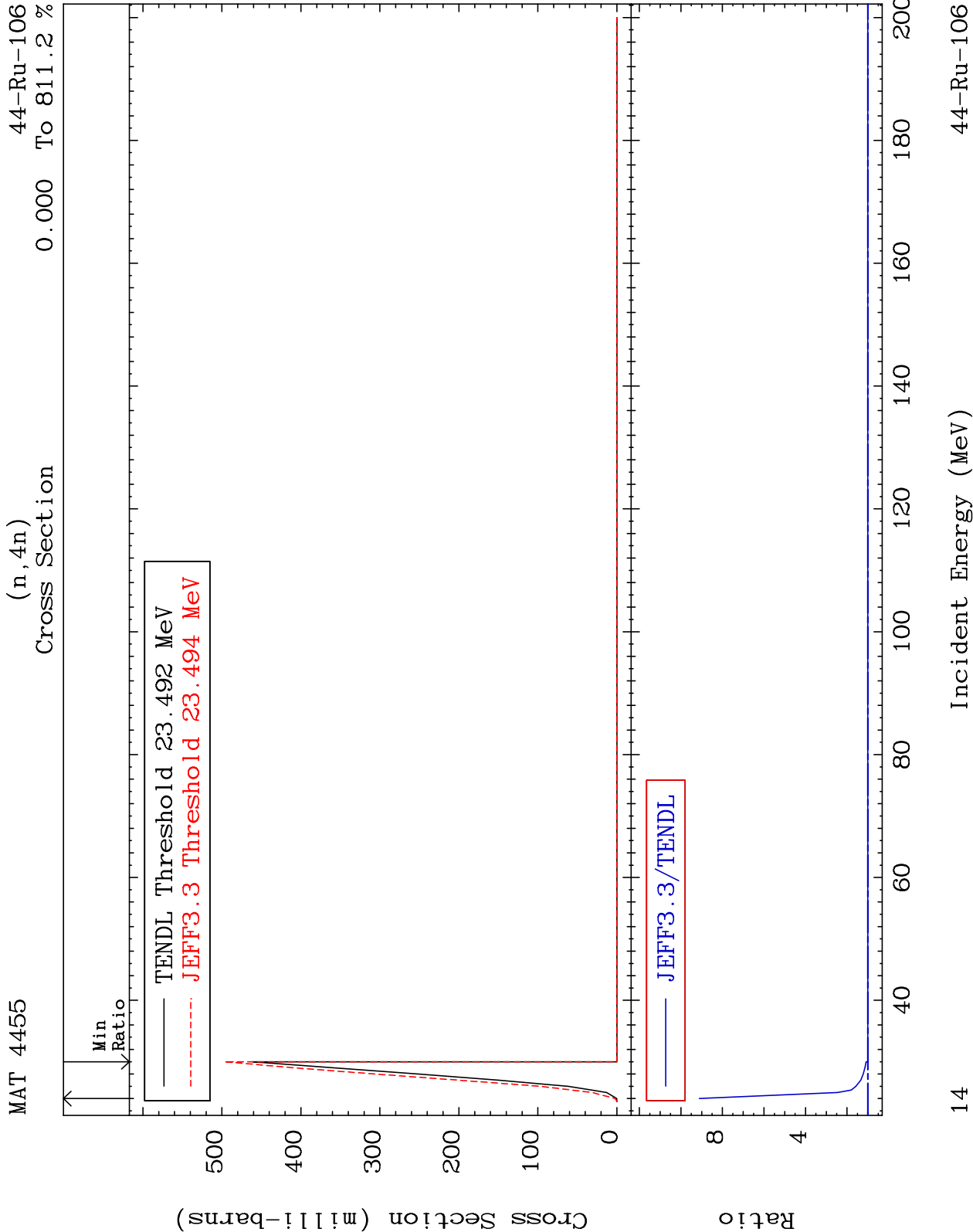
MAT 4455

(n, n') He-3  
Cross Section

44-Ru-106  
0.000 To 162.9 %



44-Ru-106



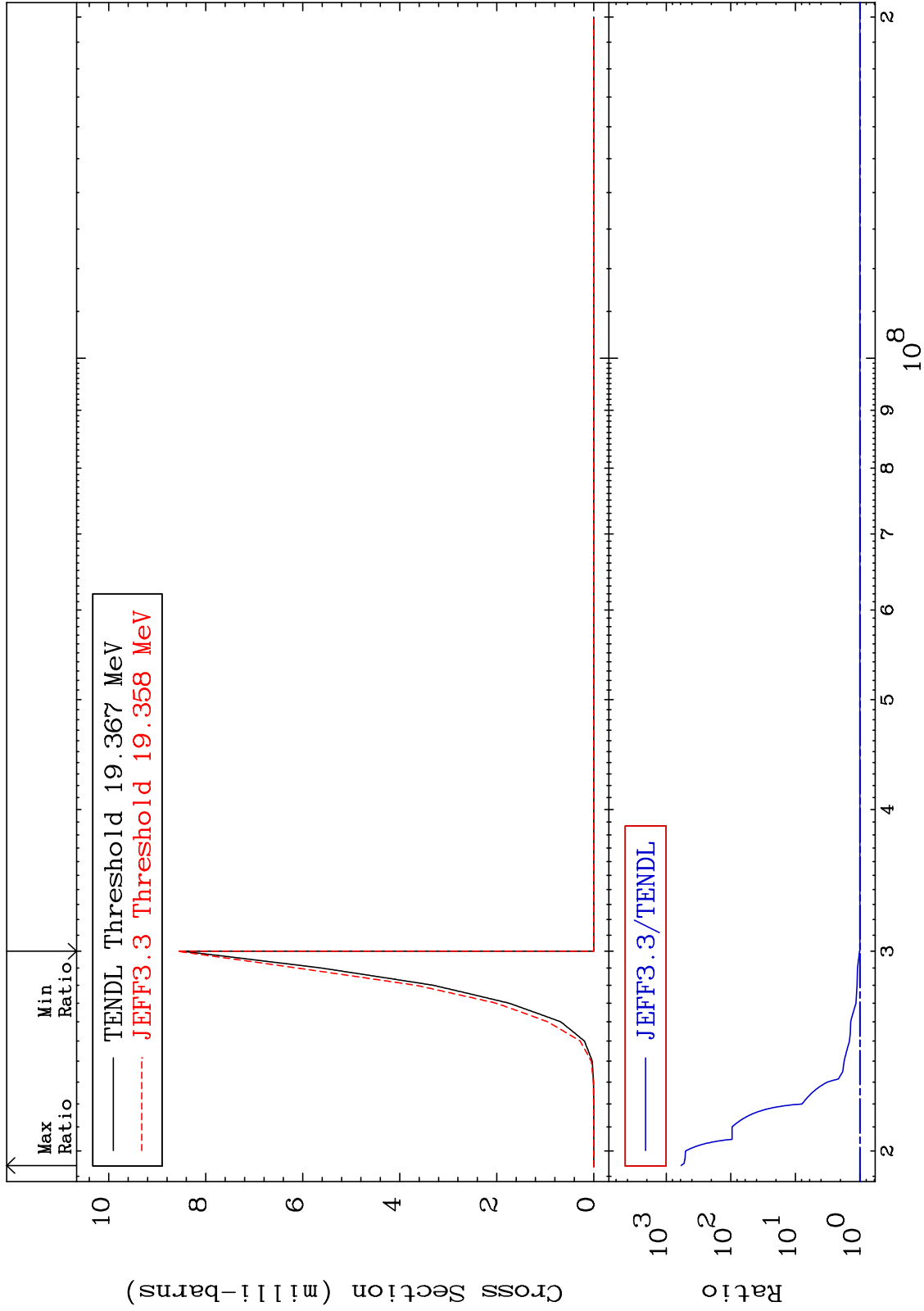
MAT 4455

(n,2n) p

44-Ru-106

Cross Section

0.000 To 9999. %





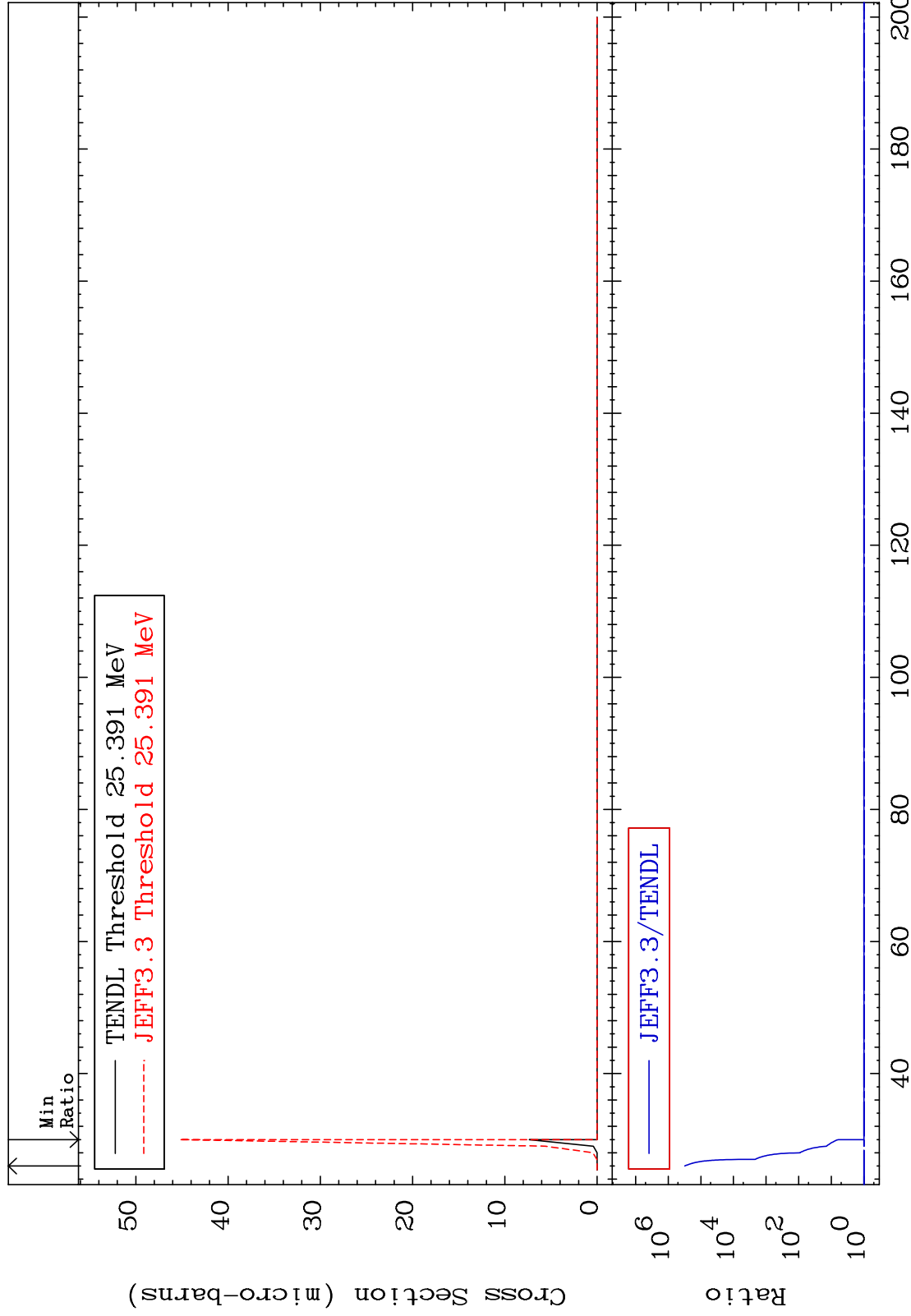
MAT 4455

(n,3n) p

44-Ru-106

Cross Section

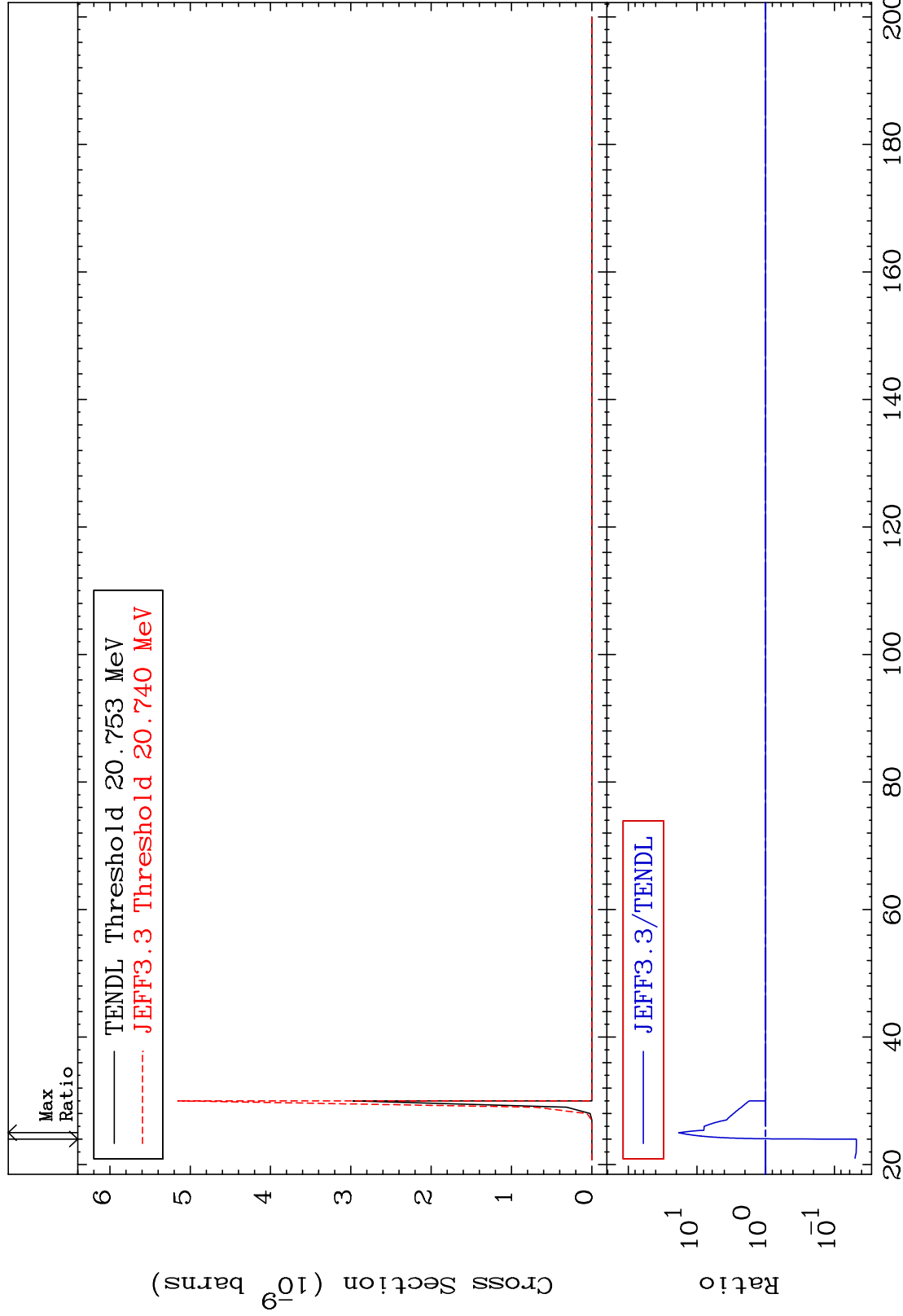
0.000 To 9999. %



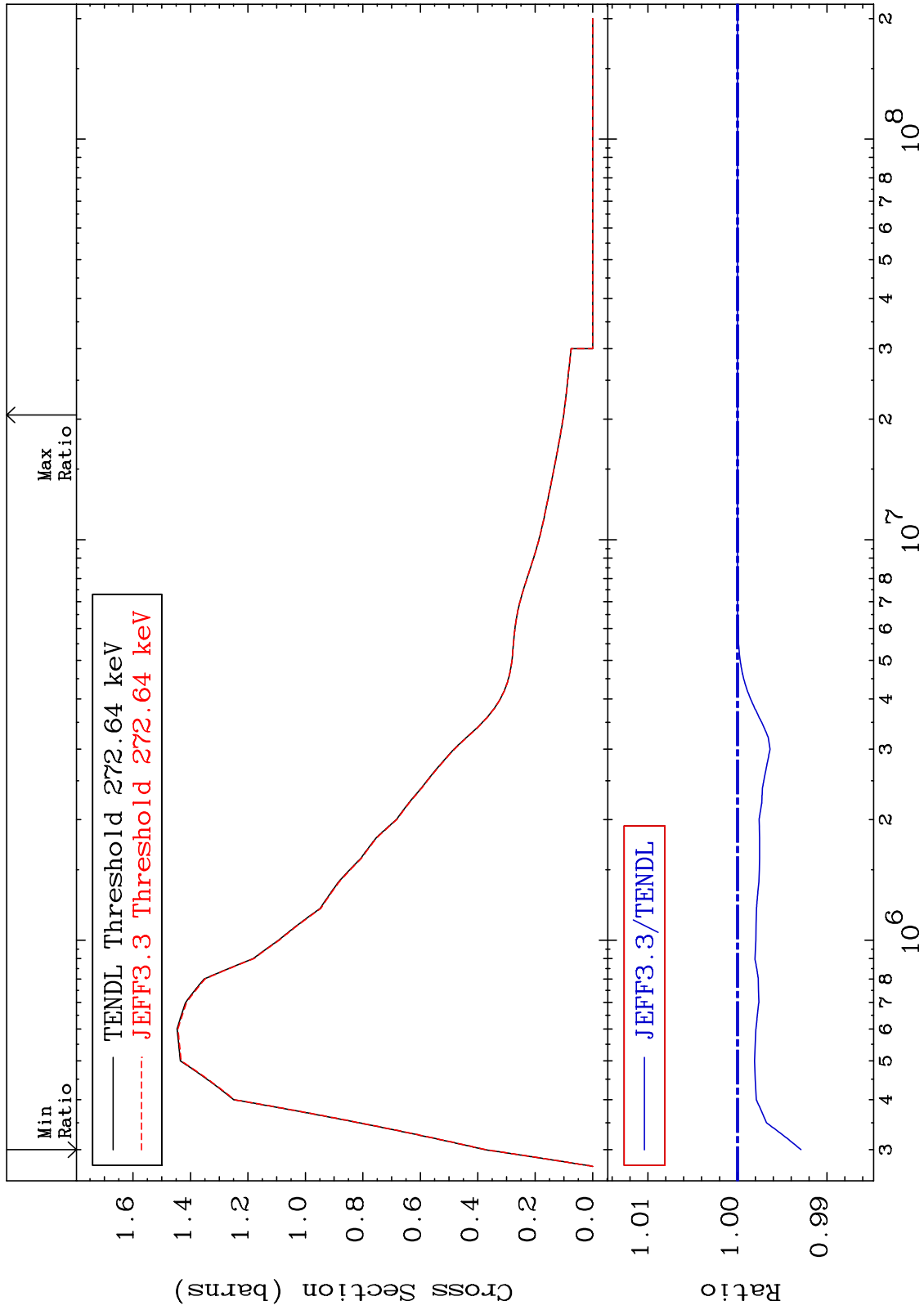
MAT 4455

(n,2n) p  
Cross Section

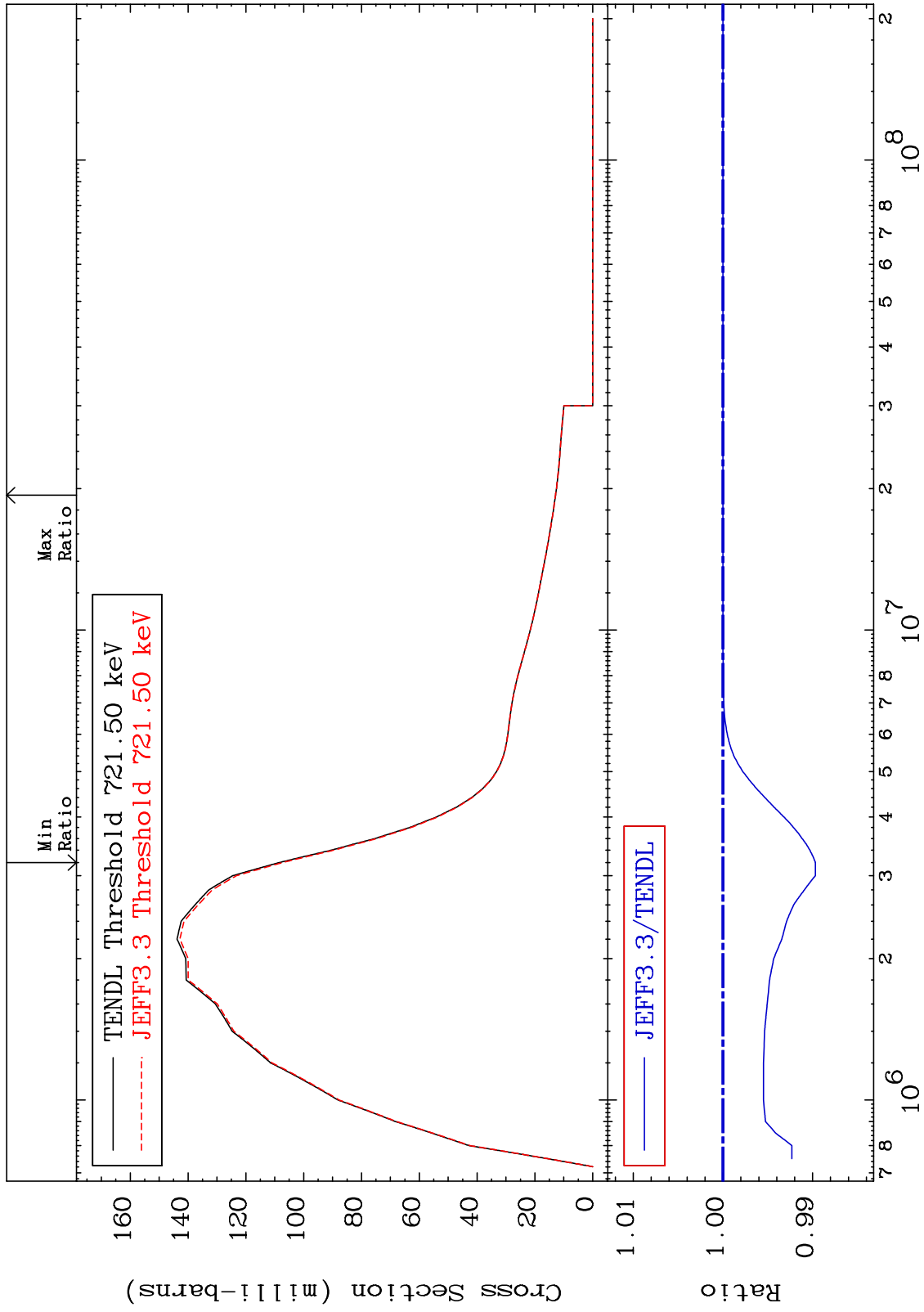
44-Ru-106  
-95.23 To 1744. %



MAT 4455 MT= 51 (n,n') Level Cross Section 44-Ru-106 -0.710 To 0.000 %



MAT 4455 MT= 52 (n,n') Level Cross Section 44-Ru-106 -1.032 To 0.000 %



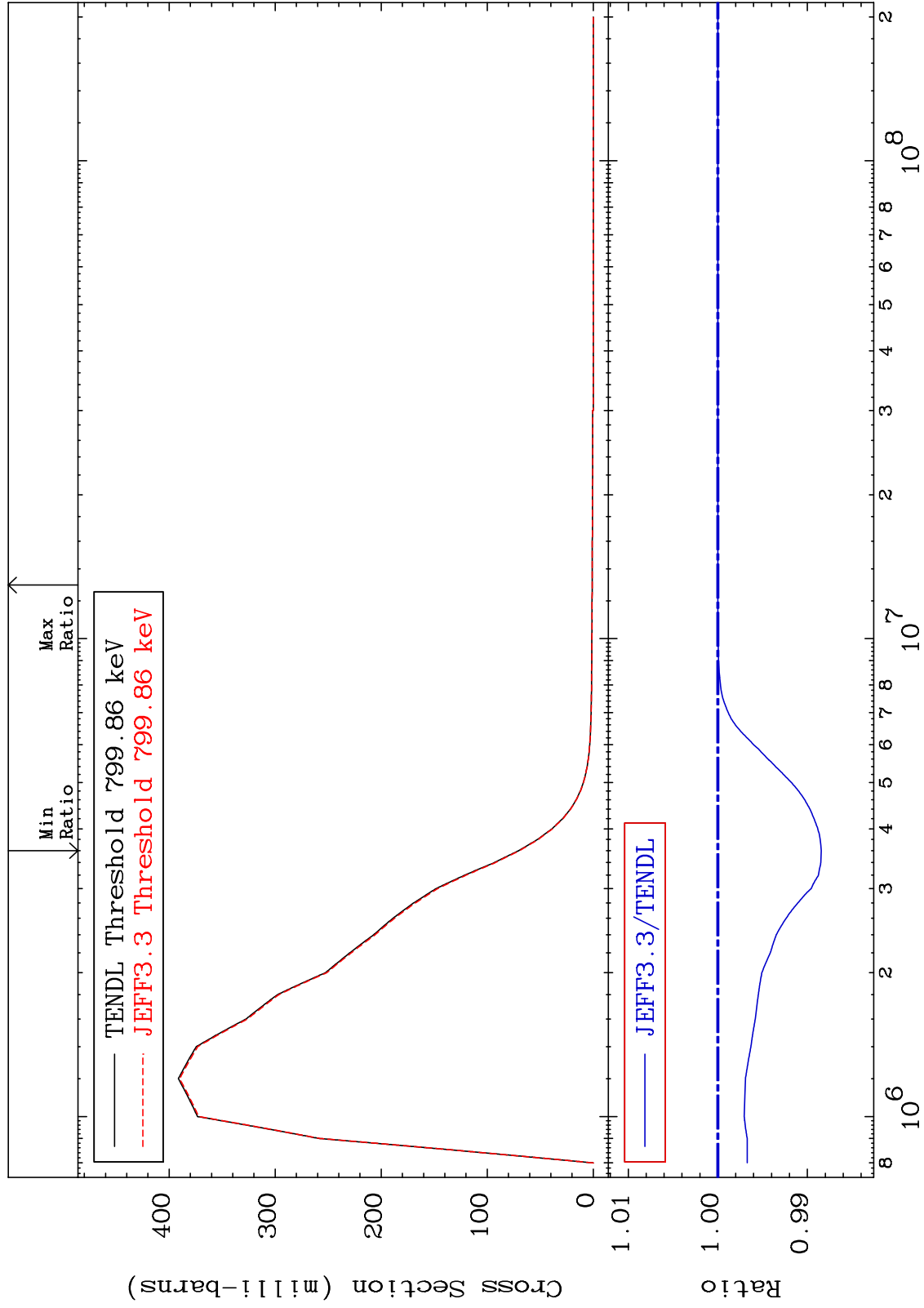
MAT 4455

MT= 53 (n, n') Level

44-Ru-106

-1.154 To 0.000 %

Cross Section



44-Ru-106

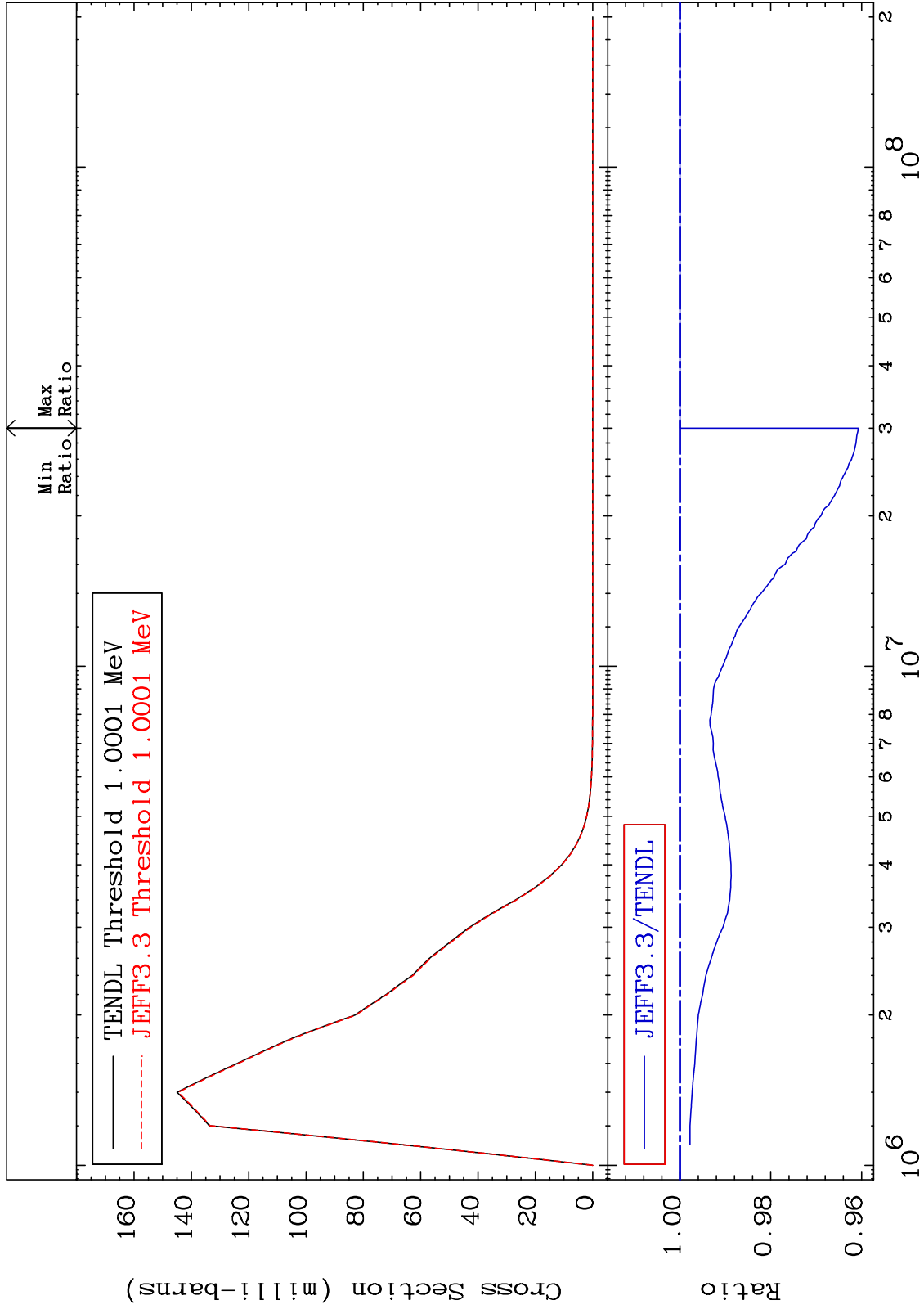
Incident Energy (eV)

20

MAT 4455

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

44-Ru-106  
-3.931 To 0.000 %



21

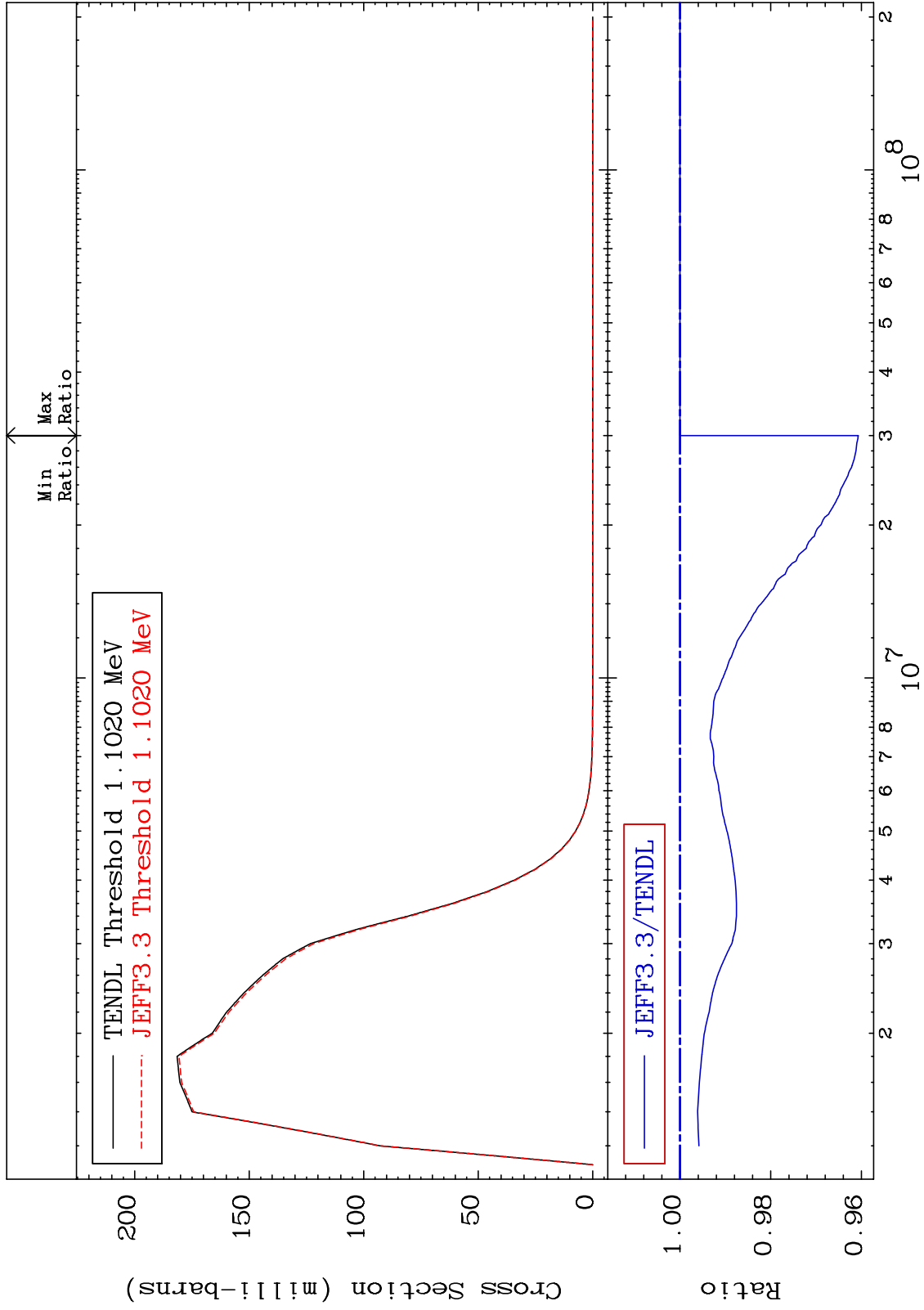
Incident Energy (eV)

44-Ru-106

MAT 4455

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

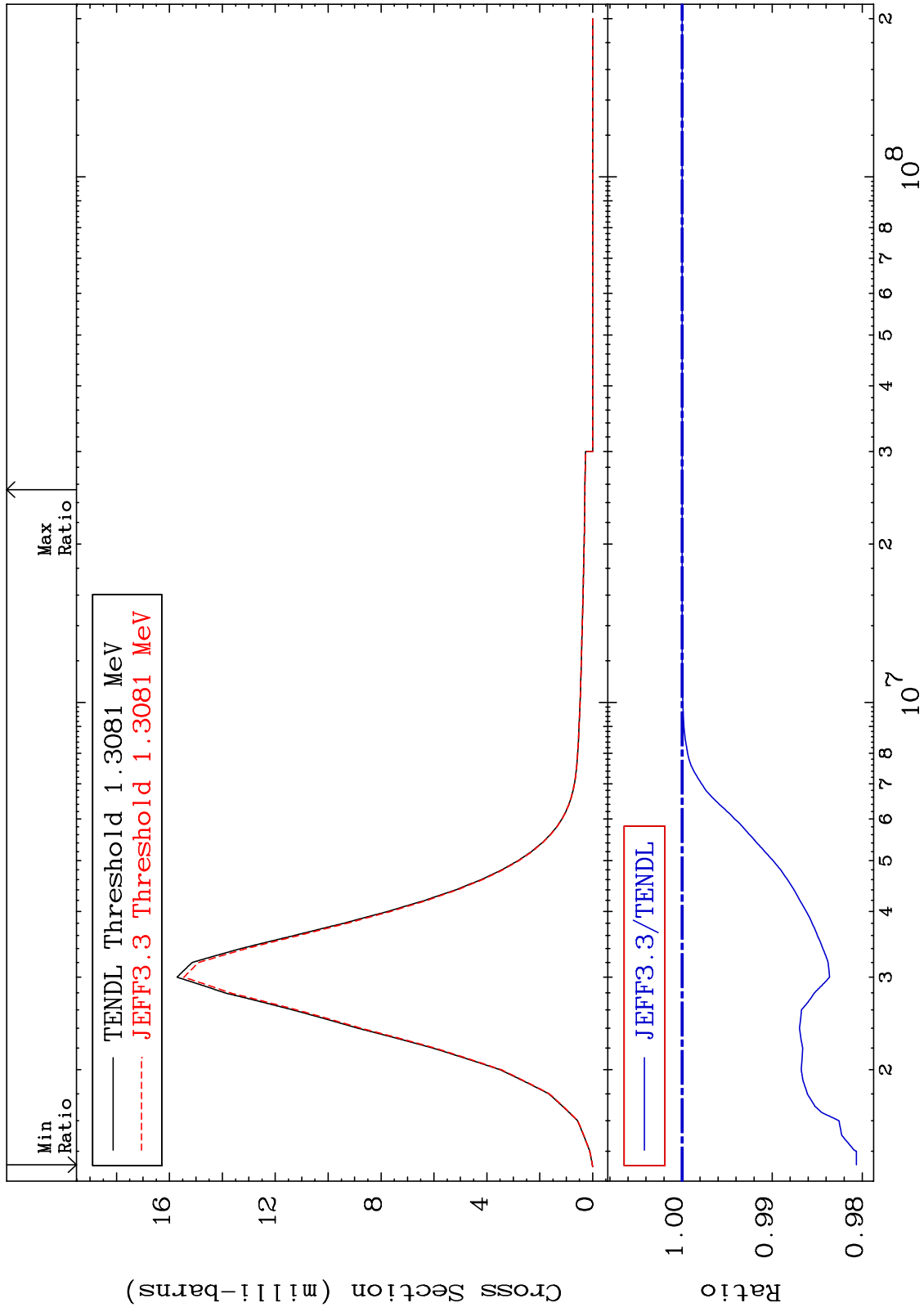
44-Ru-106  
-3.932 To 0.000 %



MAT 4455

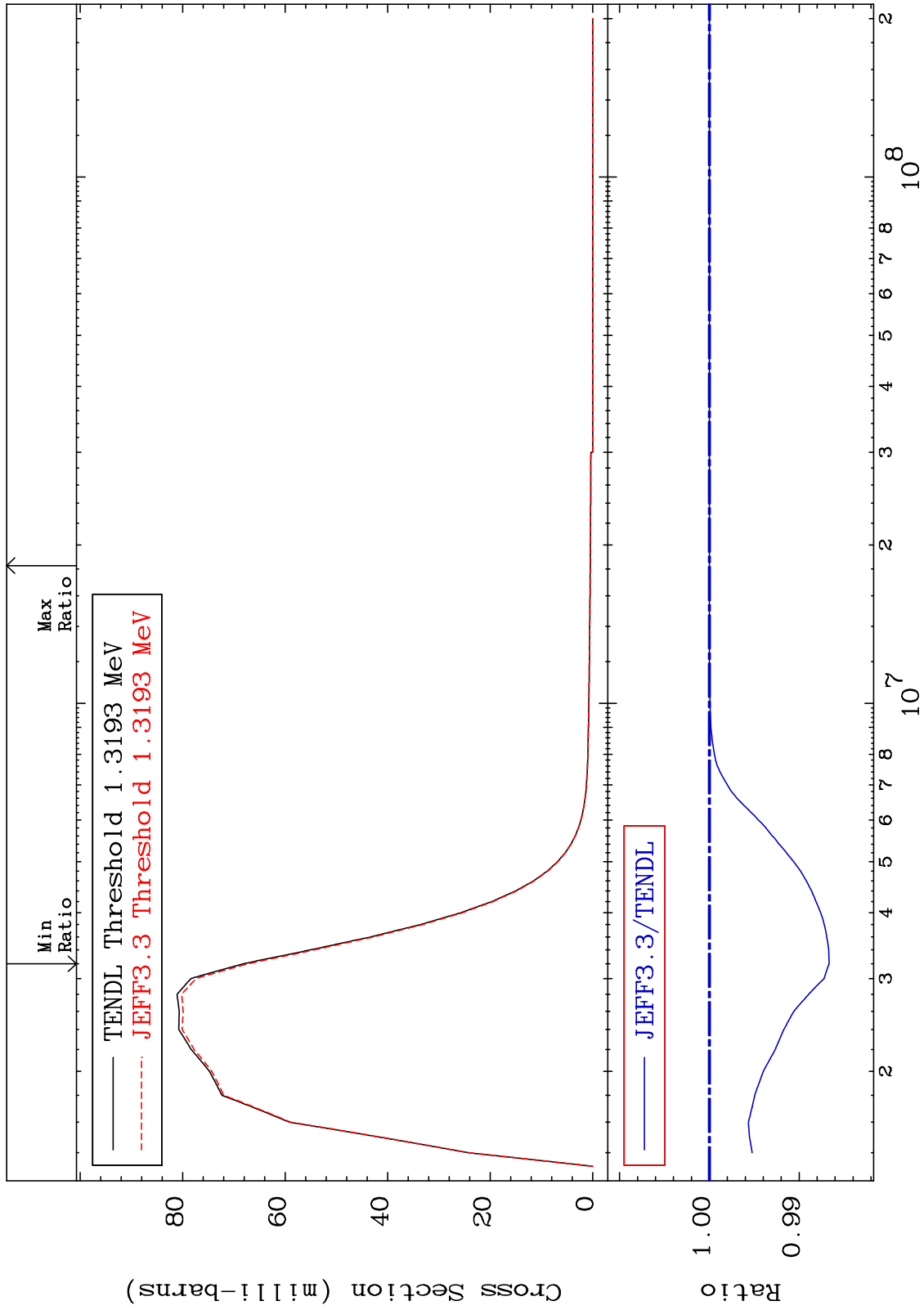
MT= 56 (n,n') Level  
Cross Section

44-Ru-106  
-1.935 To 0.000 %

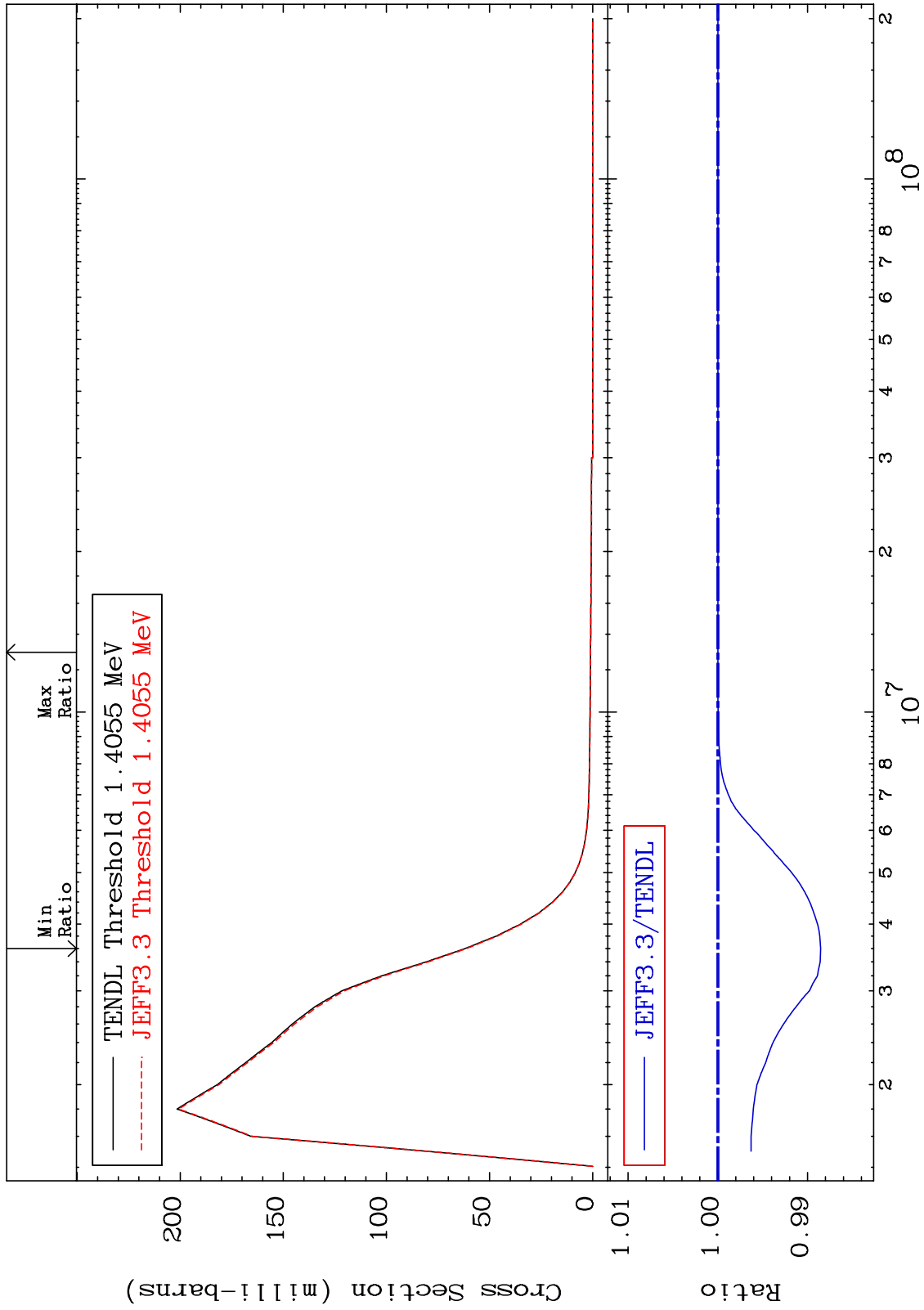




MAT 4455 MT= 57 (n, n') Level  
Cross Section -1.332 To 0.000 %  
44-Ru-106



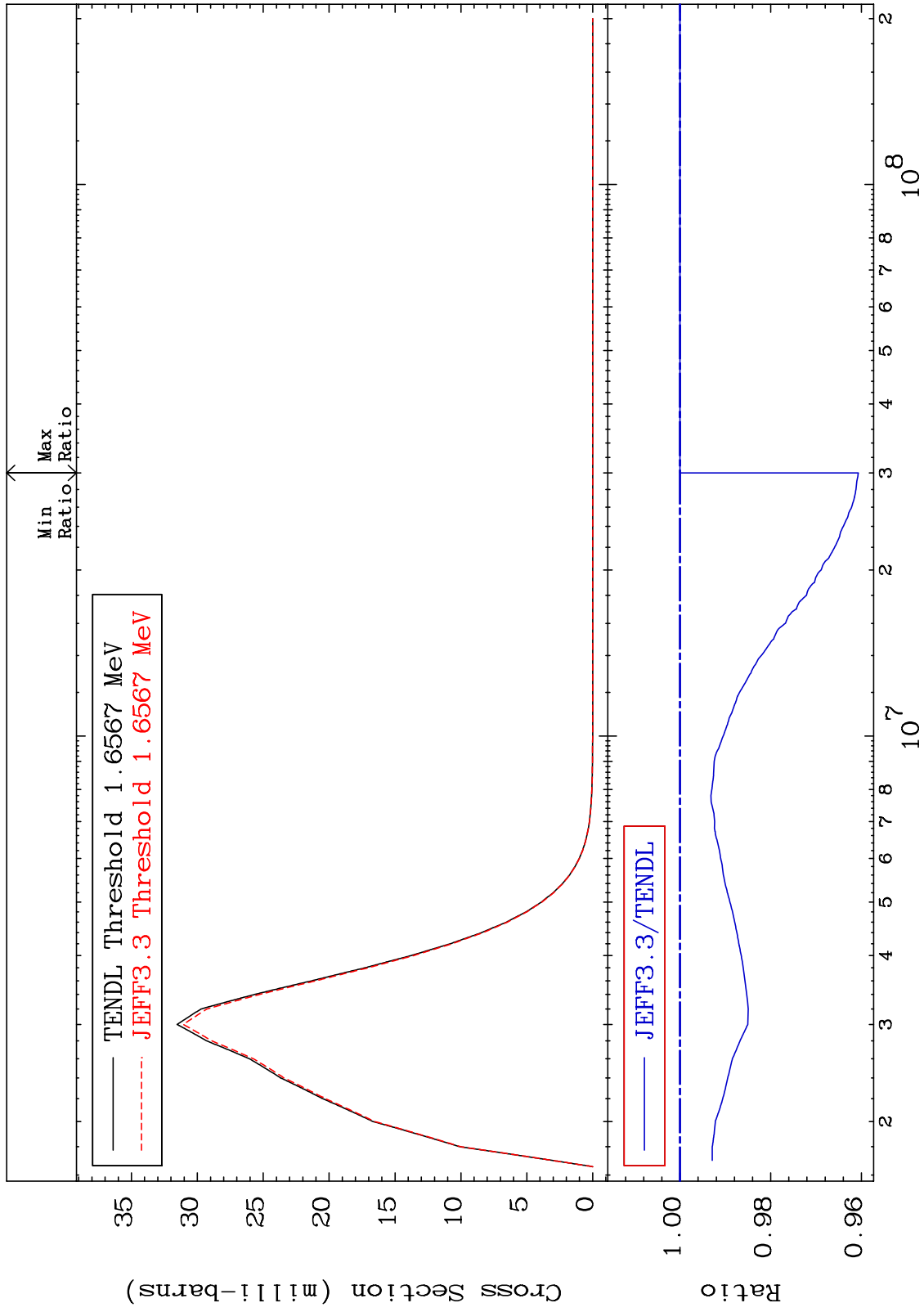
MAT 4455 MT= 58 (n,n') Level Cross Section 44-Ru-106  
 -1.146 To 0.000 %



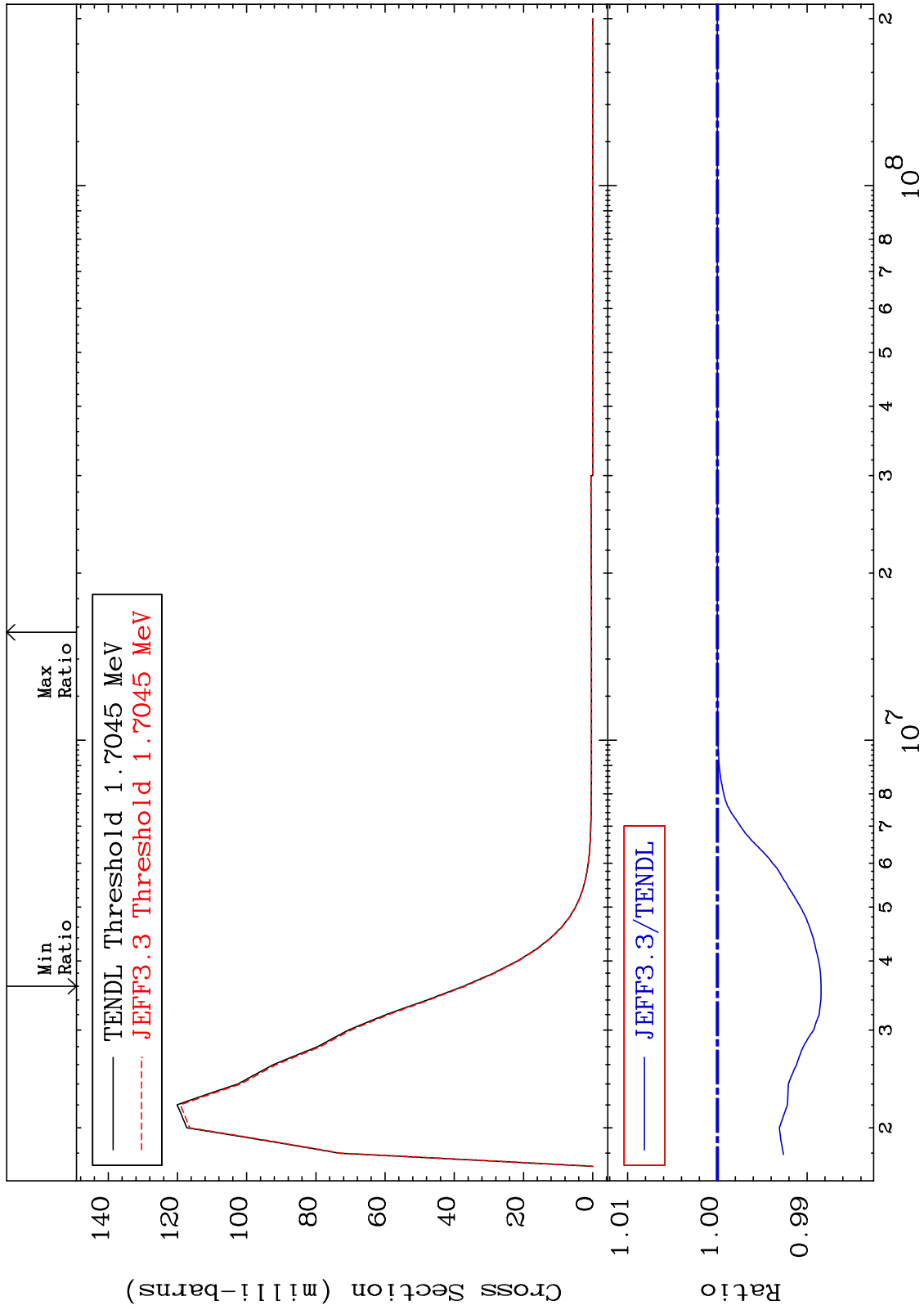
MAT 4455

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

44-Ru-106  
-3.934 To 0.000 %



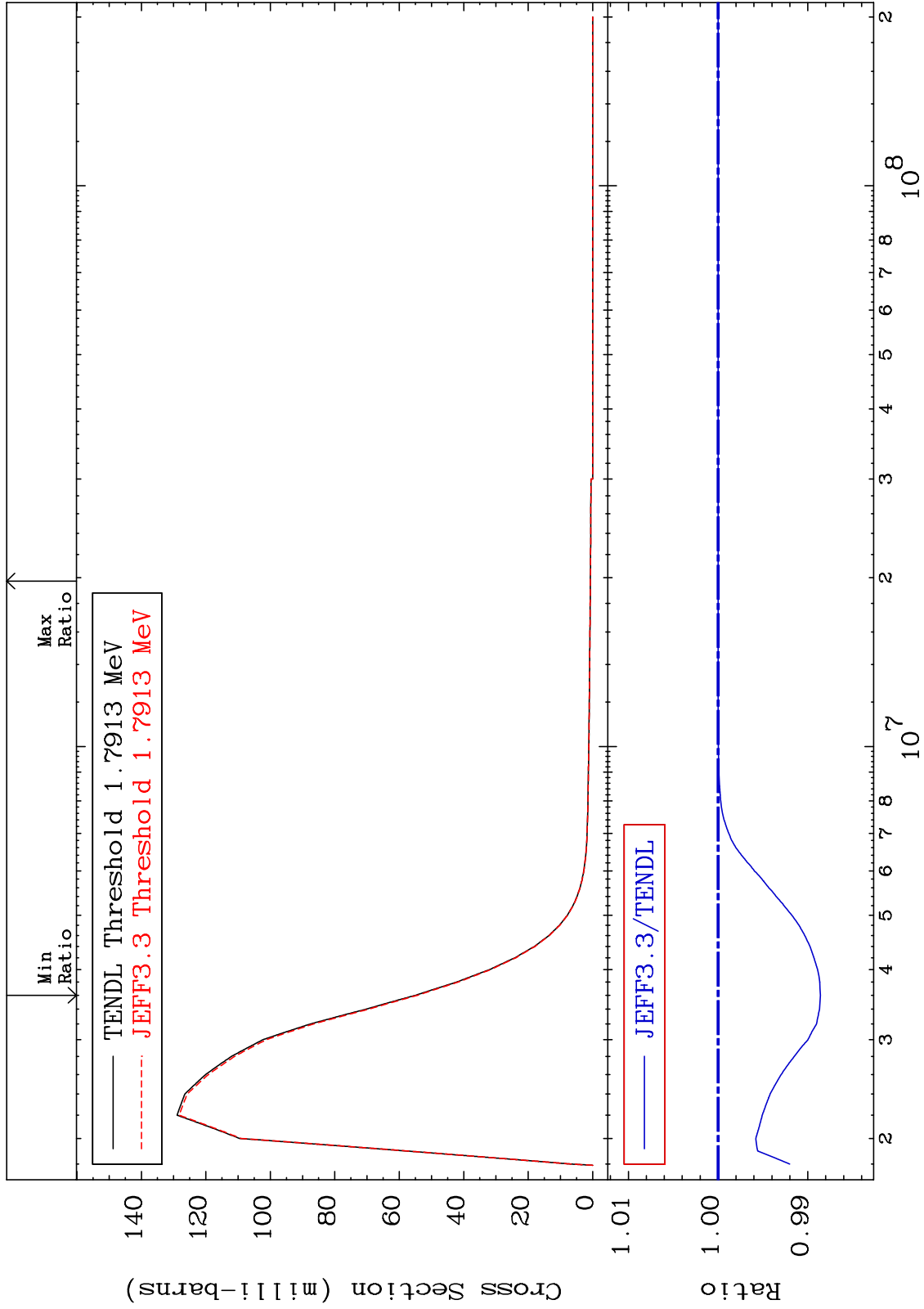
MAT 4455 MT= 60 (n,n') Level Cross Section -1.157 To 0.000 % 44-Ru-106



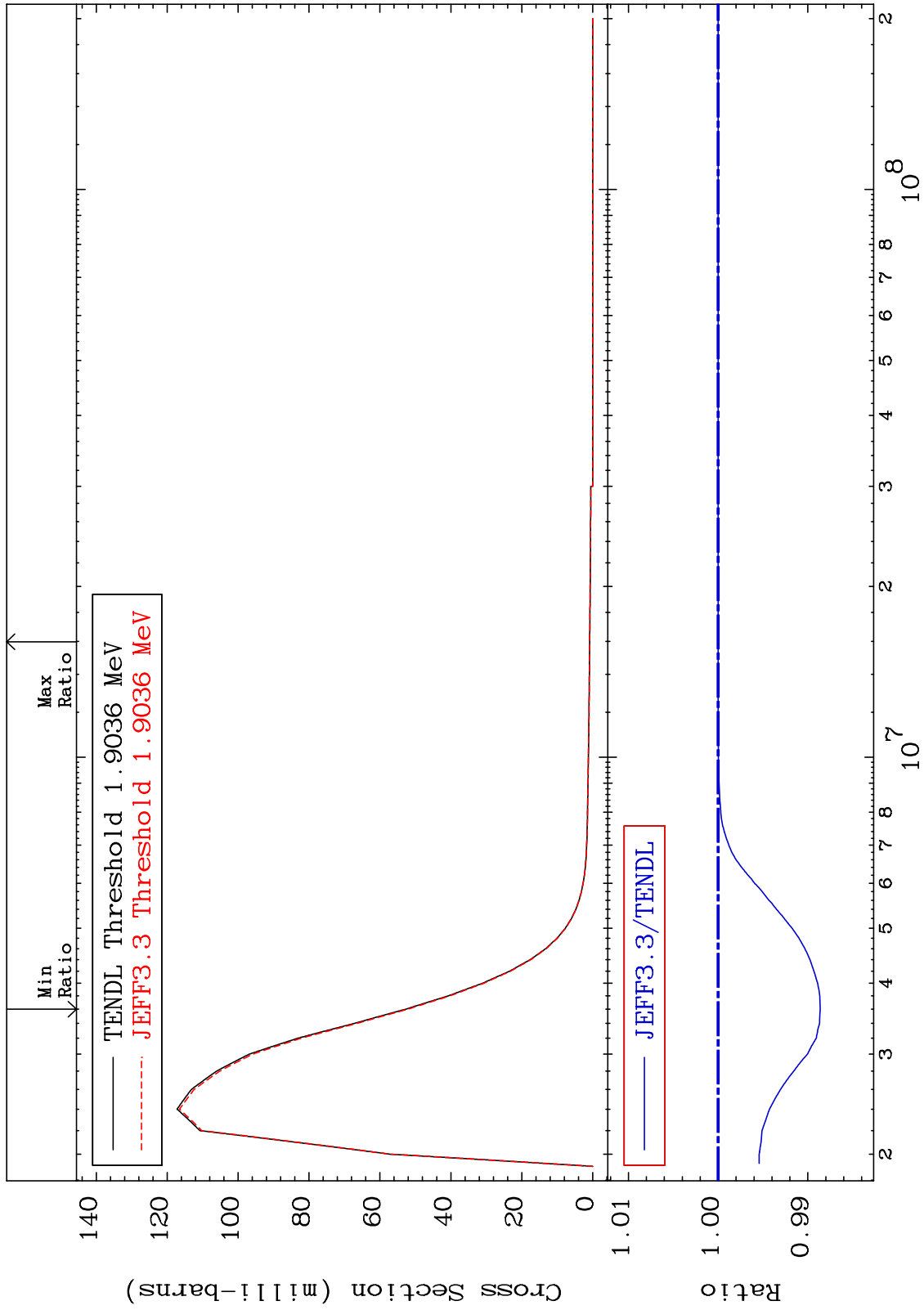
MAT 4455

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

44-Ru-106  
-1.140 To 0.000 %



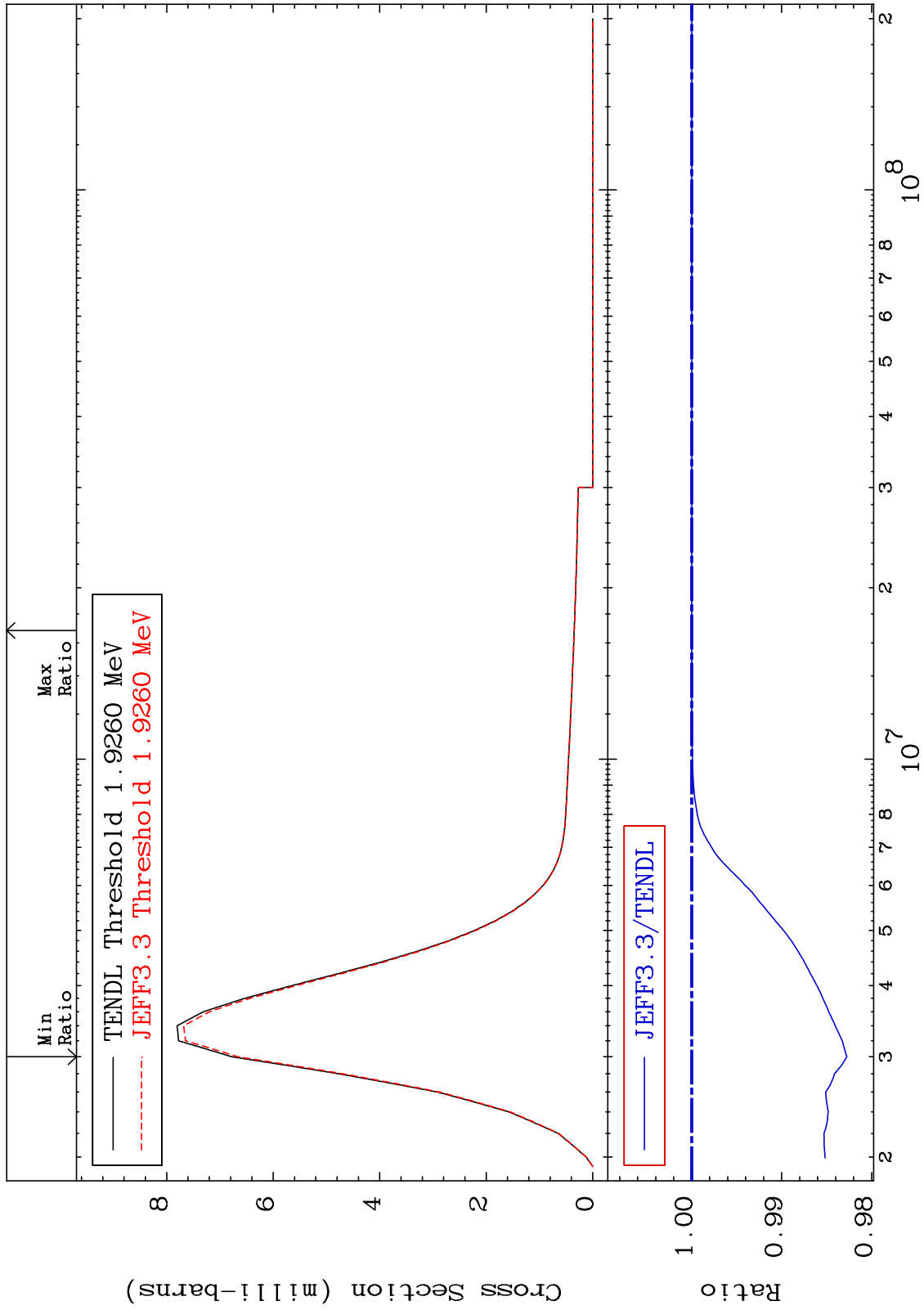
MAT 4455 MT= 62 (n,n') Level Cross Section -1.138 To 0.000 % 44-Ru-106



MAT 4455

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

44-Ru-106  
-1.724 To 0.000 %



30

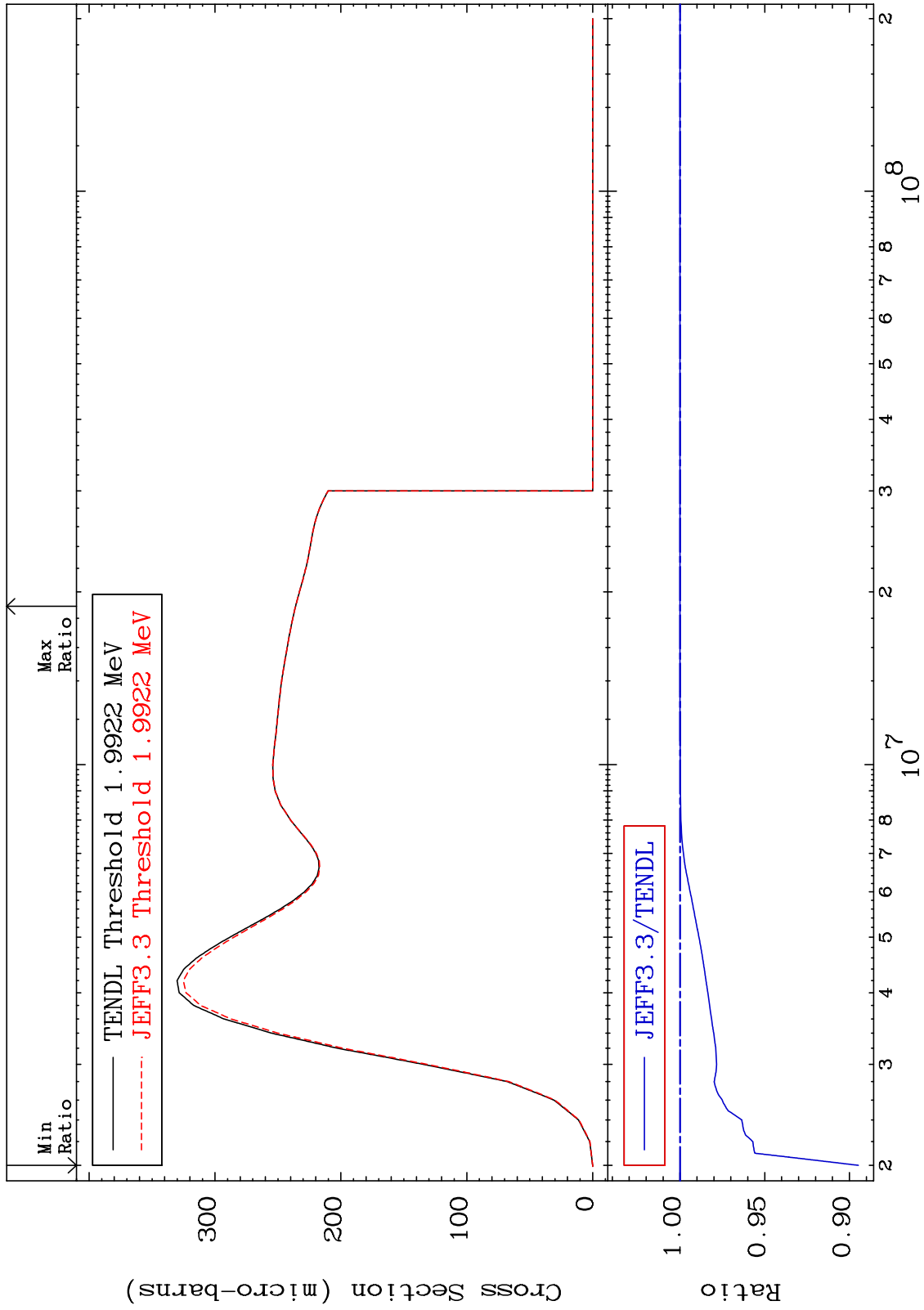
Incident Energy (eV)

44-Ru-106

MAT 4455

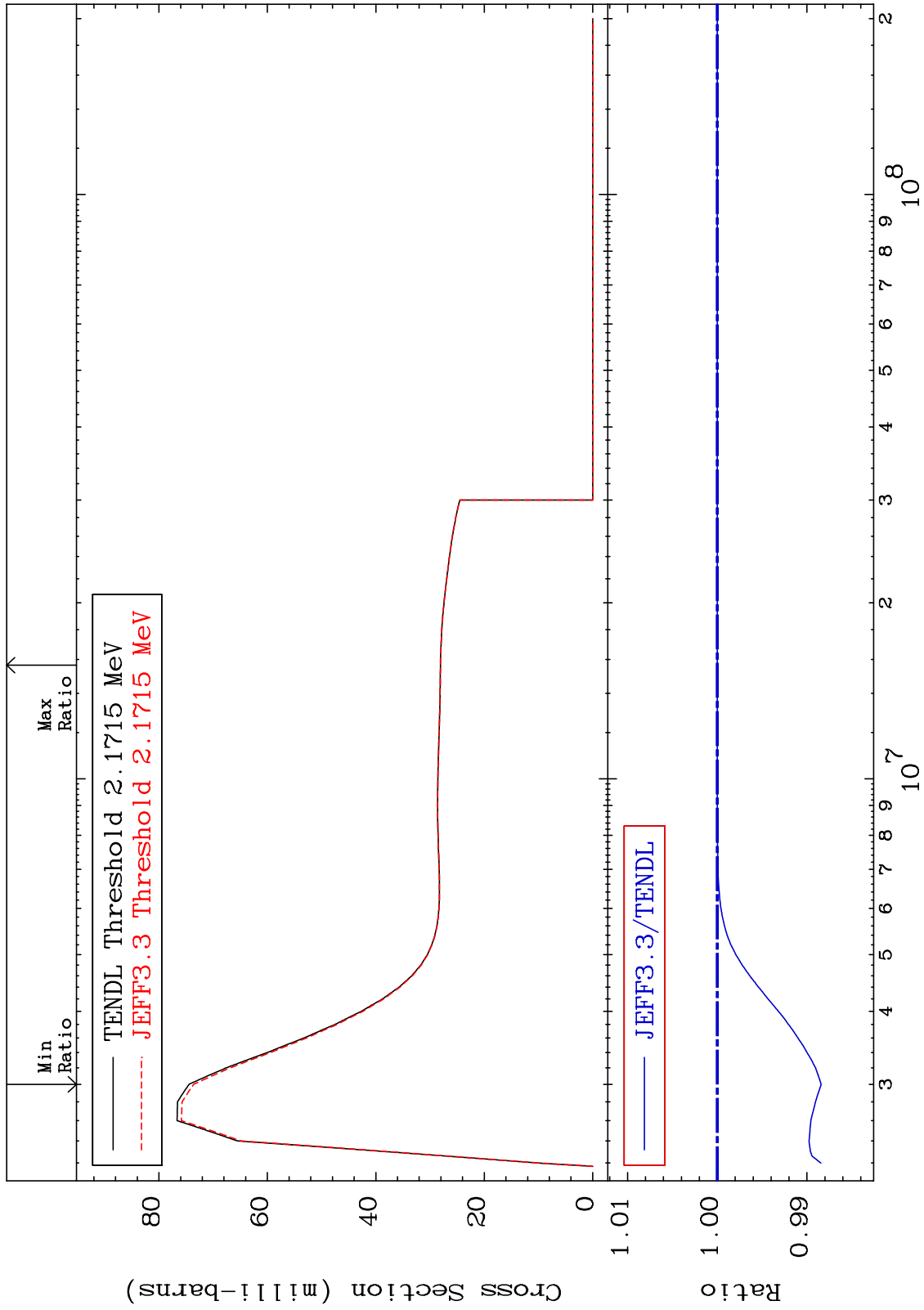
MT= 64 (n,n') Level  
Cross Section

44-Ru-106  
-10.53 To 0.000 %





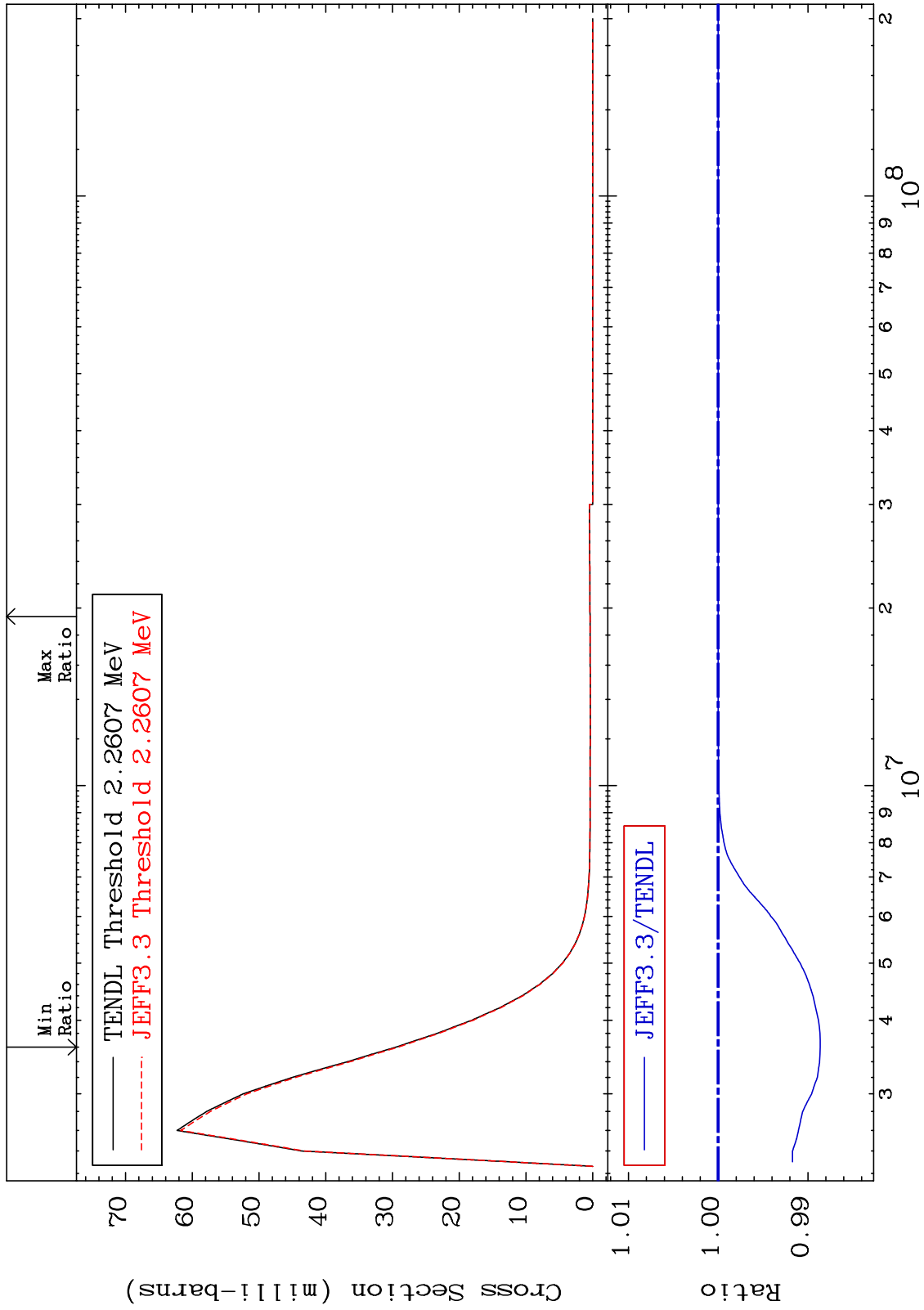
MAT 4455 MT= 65 (n,n') Level Cross Section -1.158 To 0.000 % 44-Ru-106



MAT 4455

MT= 66 (n,n') Level  
Cross Section

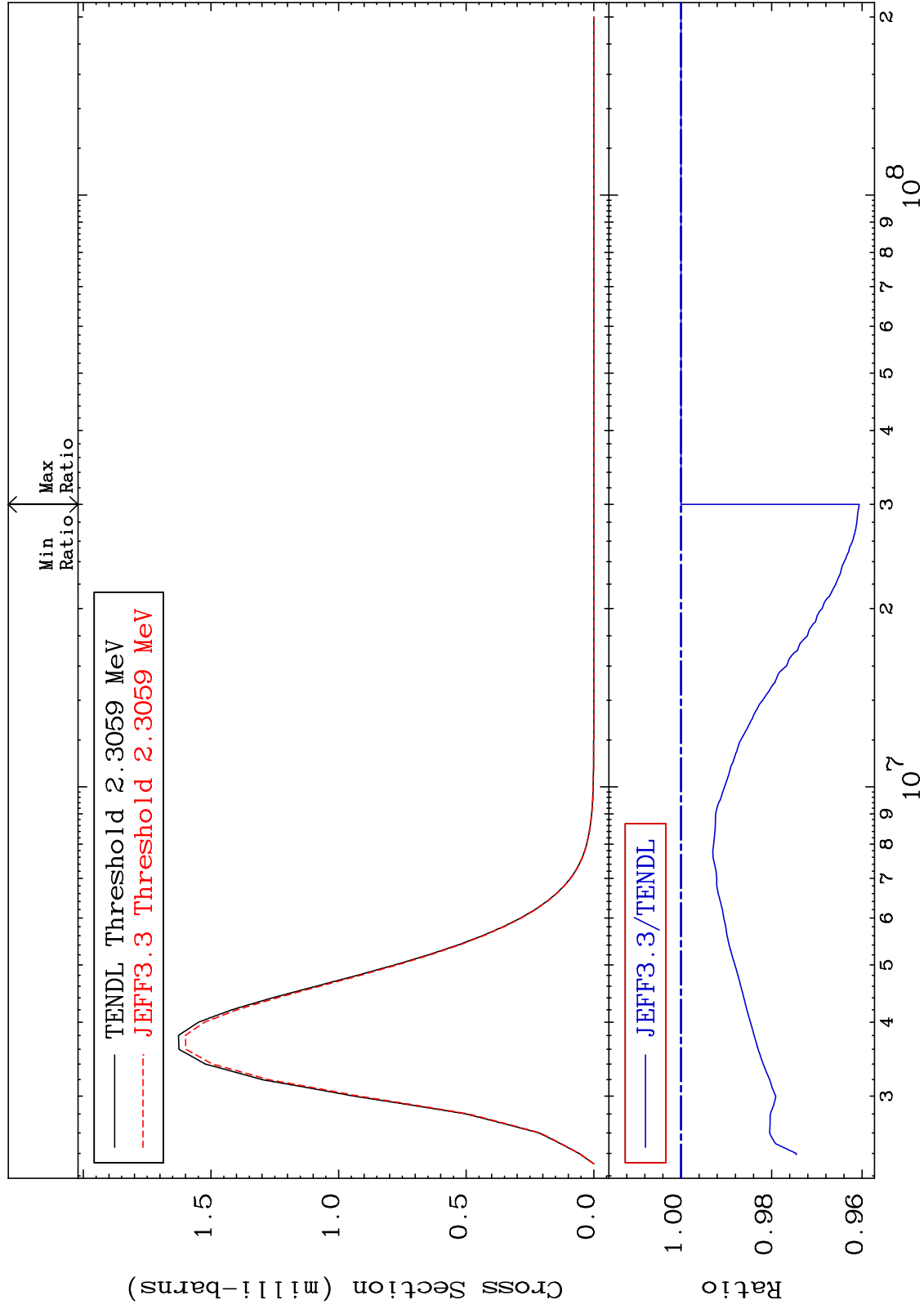
44-Ru-106  
-1.138 To 0.000 %



MAT 4455

MT= 67 (n,n') Level  
Cross Section

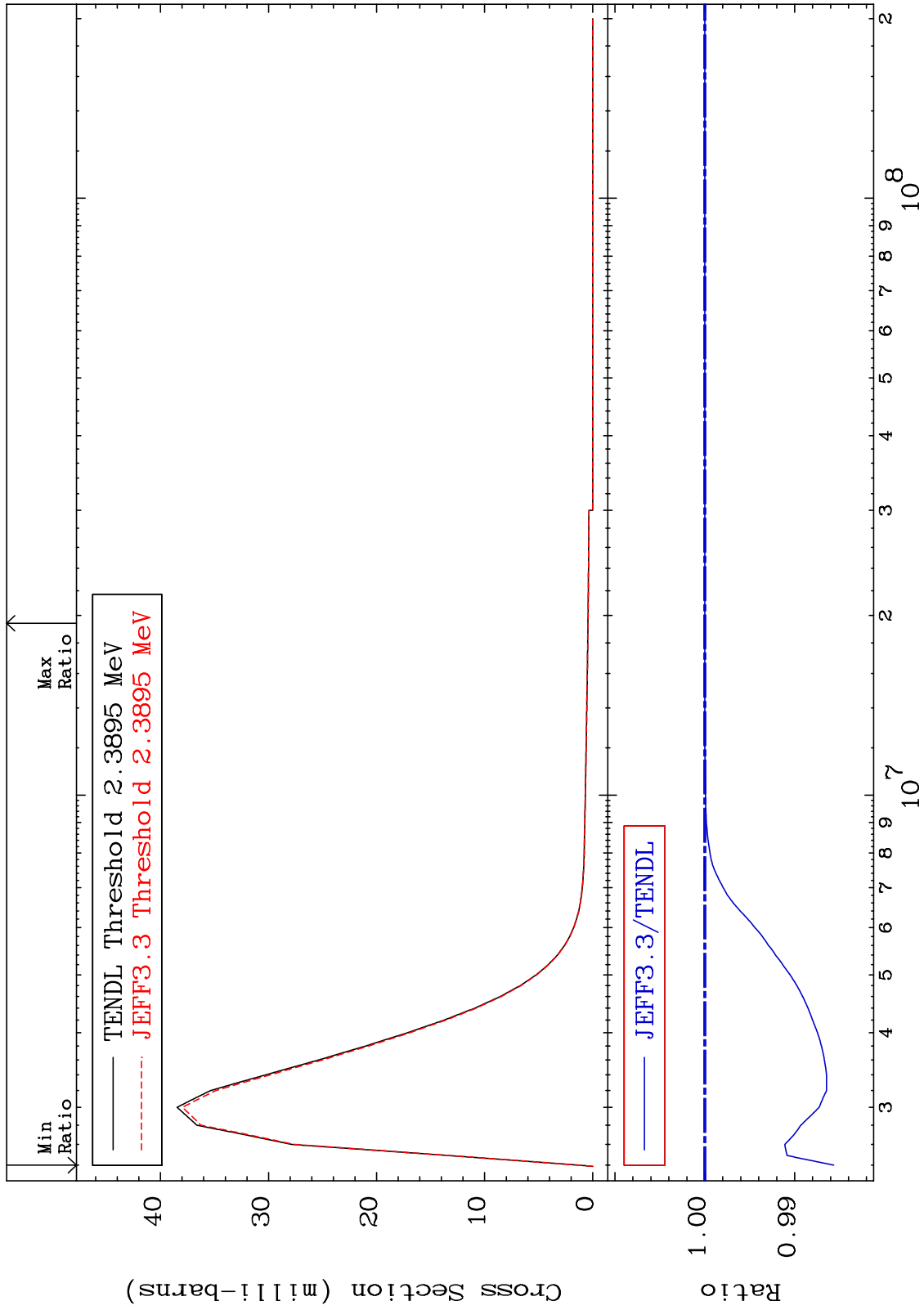
44-Ru-106  
-3.938 To 0.000 %



MAT 4455

MT= 68 (n,n') Level  
Cross Section

44-Ru-106  
-1.434 To 0.000 %

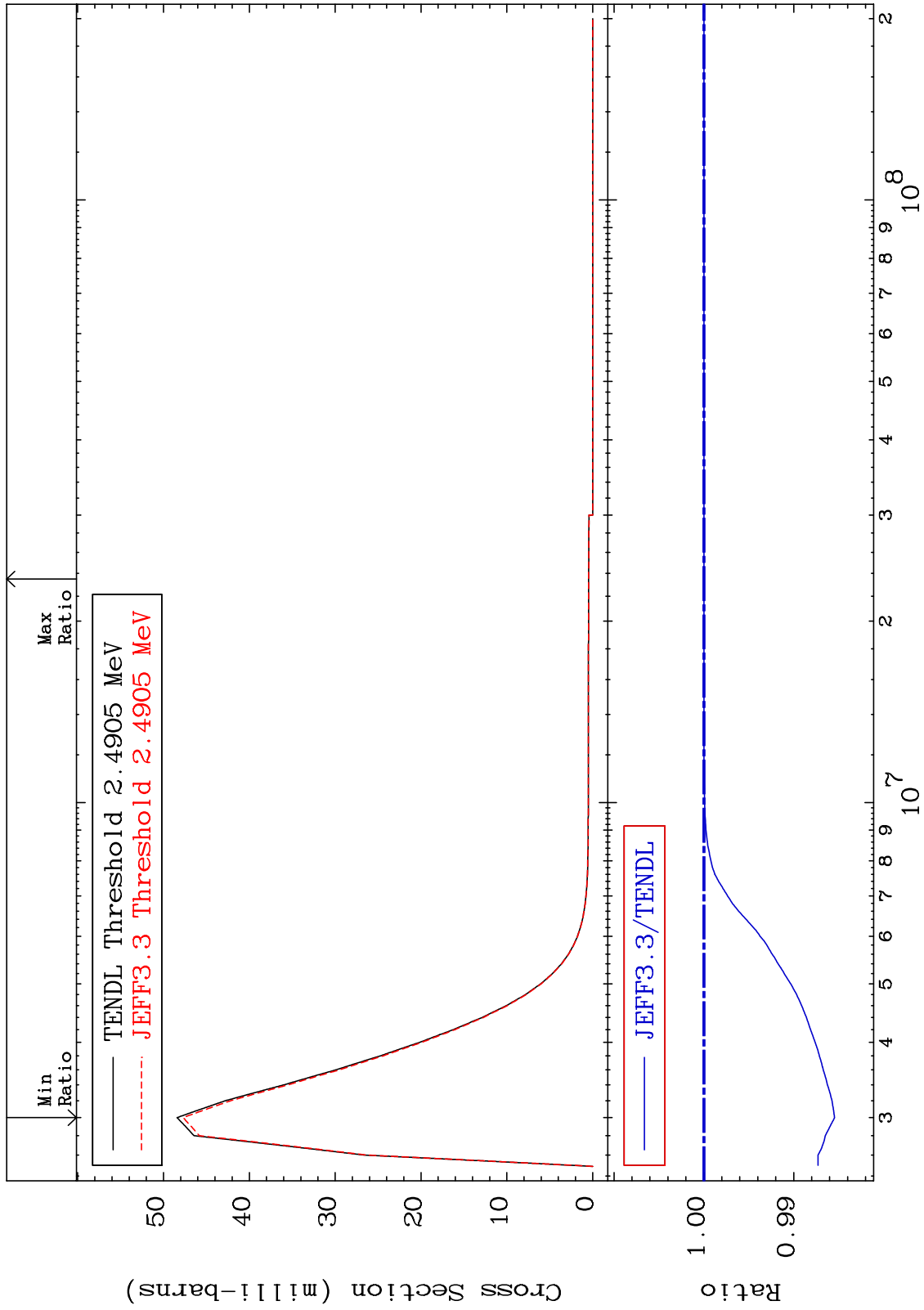


35

Incident Energy (eV)

44-Ru-106

MAT 4455 MT= 69 (n, n') Level Cross Section 44-Ru-106  
 -1.455 To 0.000 %



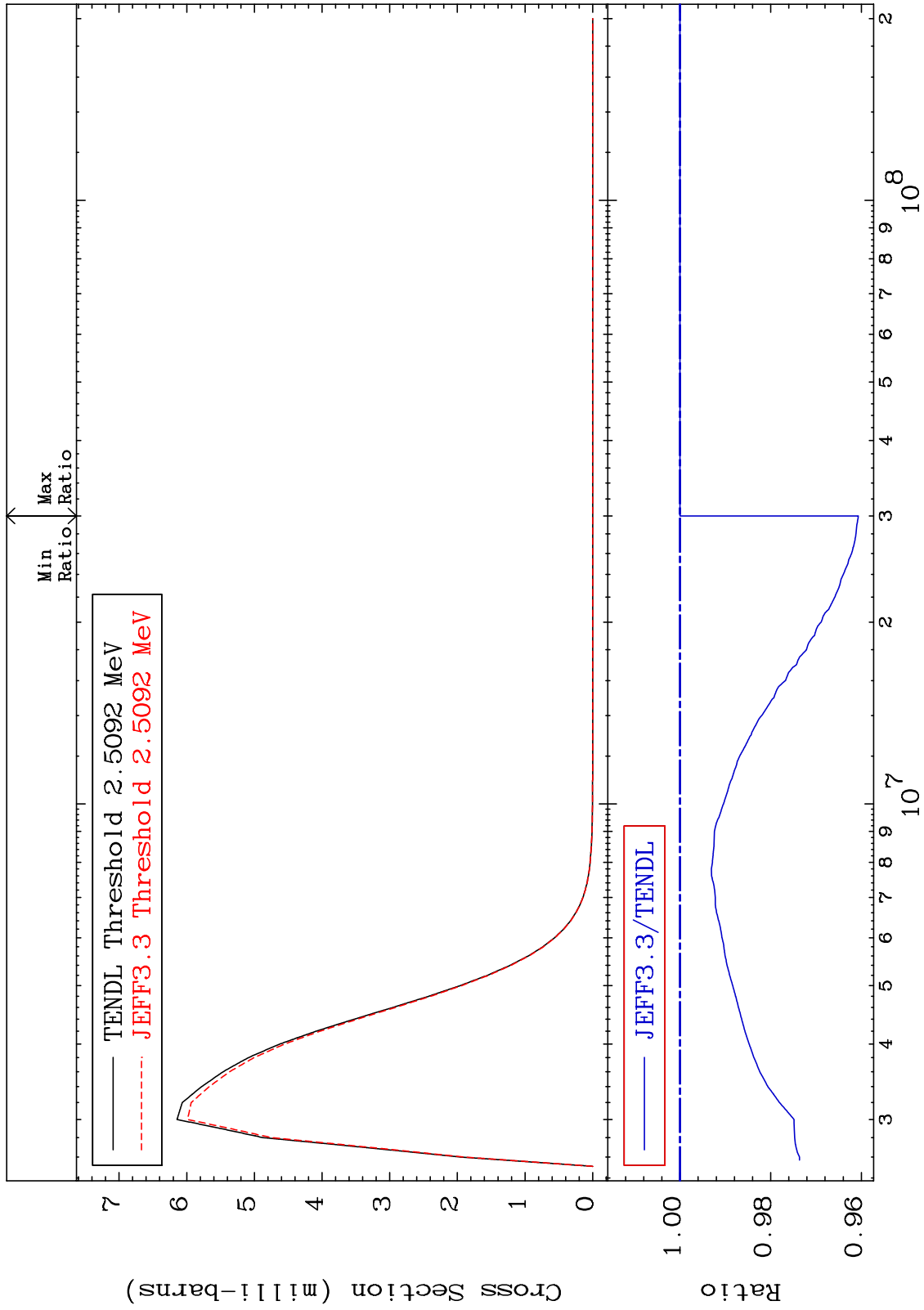
44-Ru-106

Incident Energy (eV)

MAT 4455

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

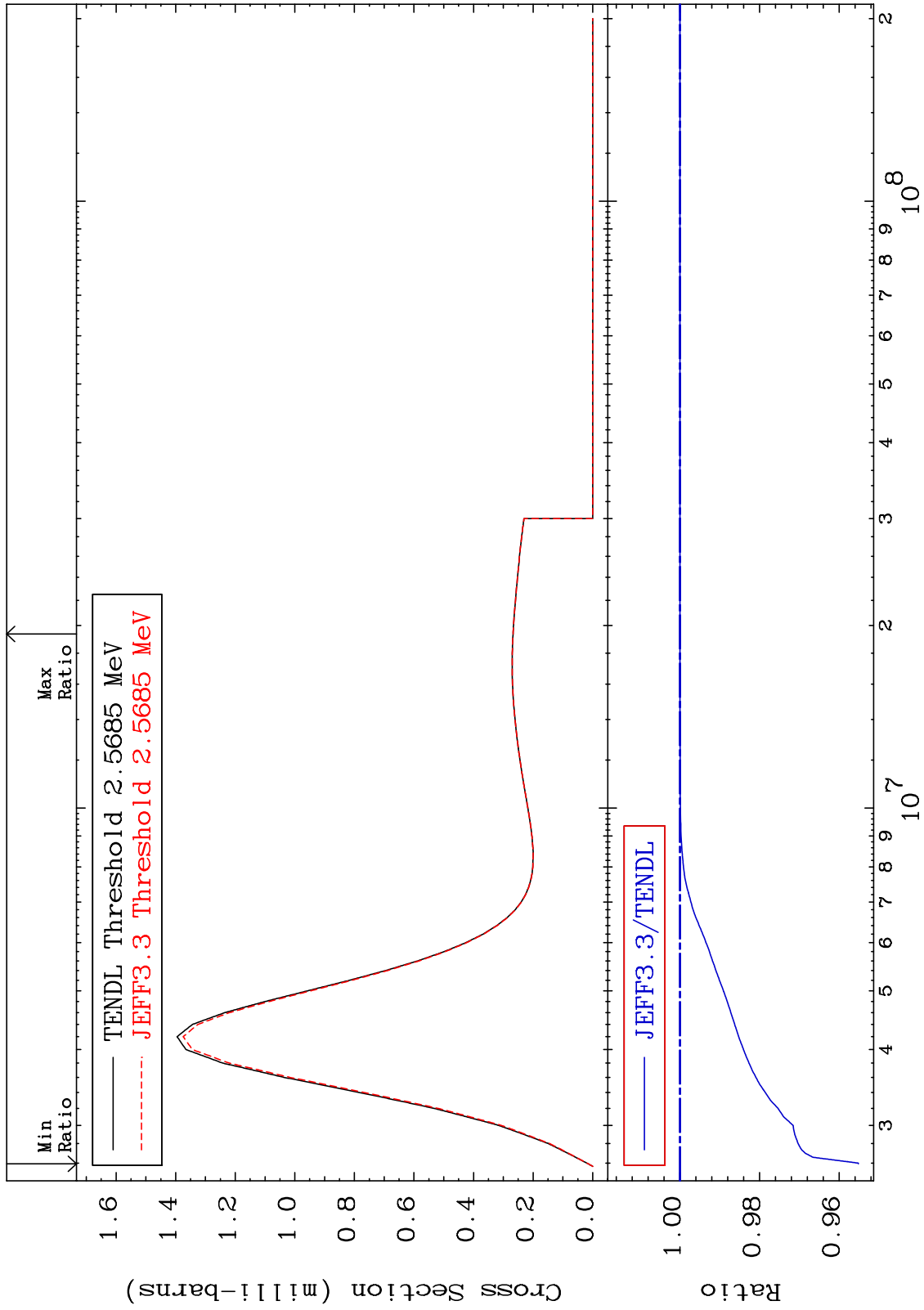
44-Ru-106  
-3.935 To 0.000 %



MAT 4455

MT= 71 (n,n') Level  
Cross Section

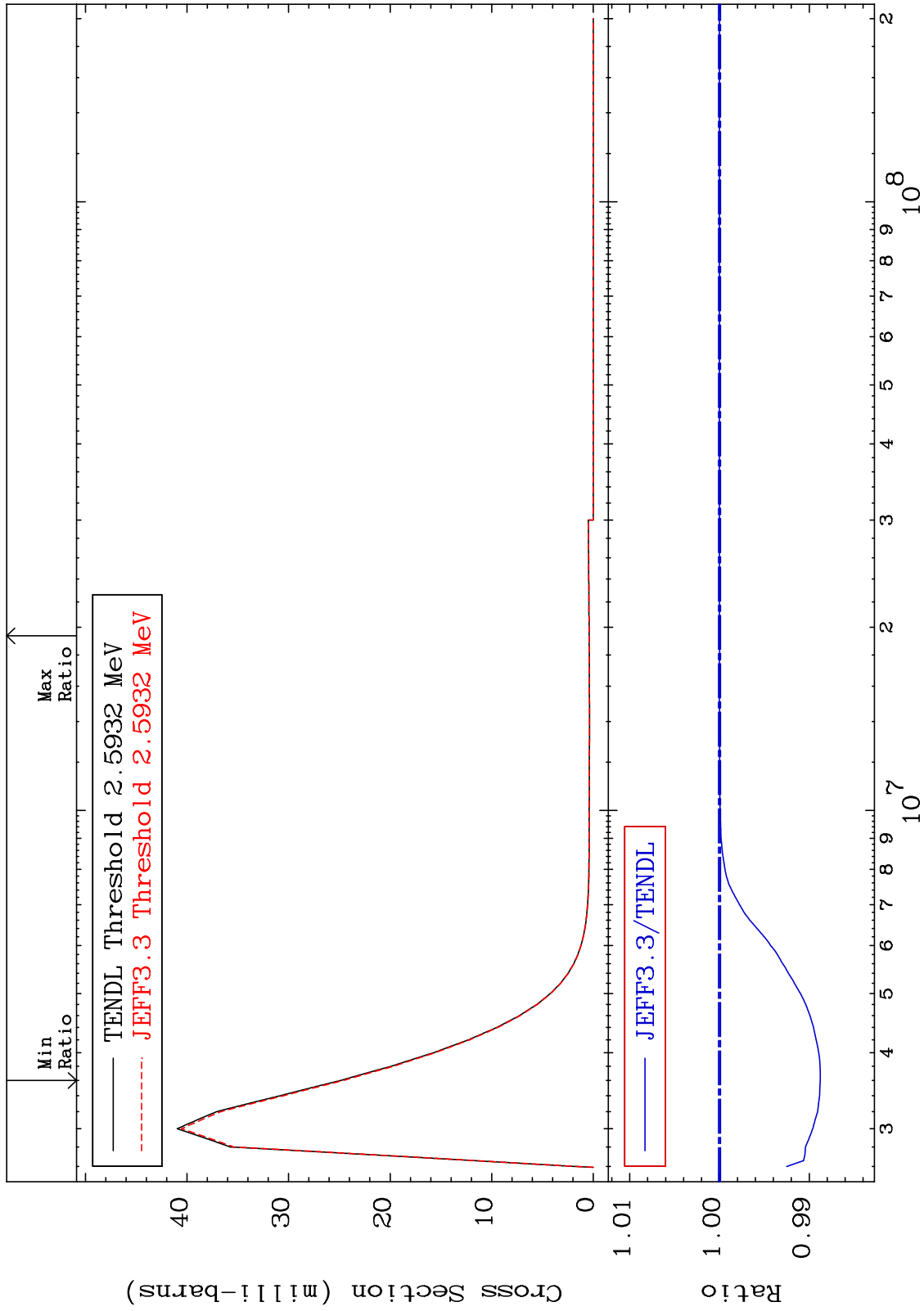
44-Ru-106  
-4.484 To 0.000 %



MAT 4455

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

44-Ru-106  
-1.123 To 0.000 %

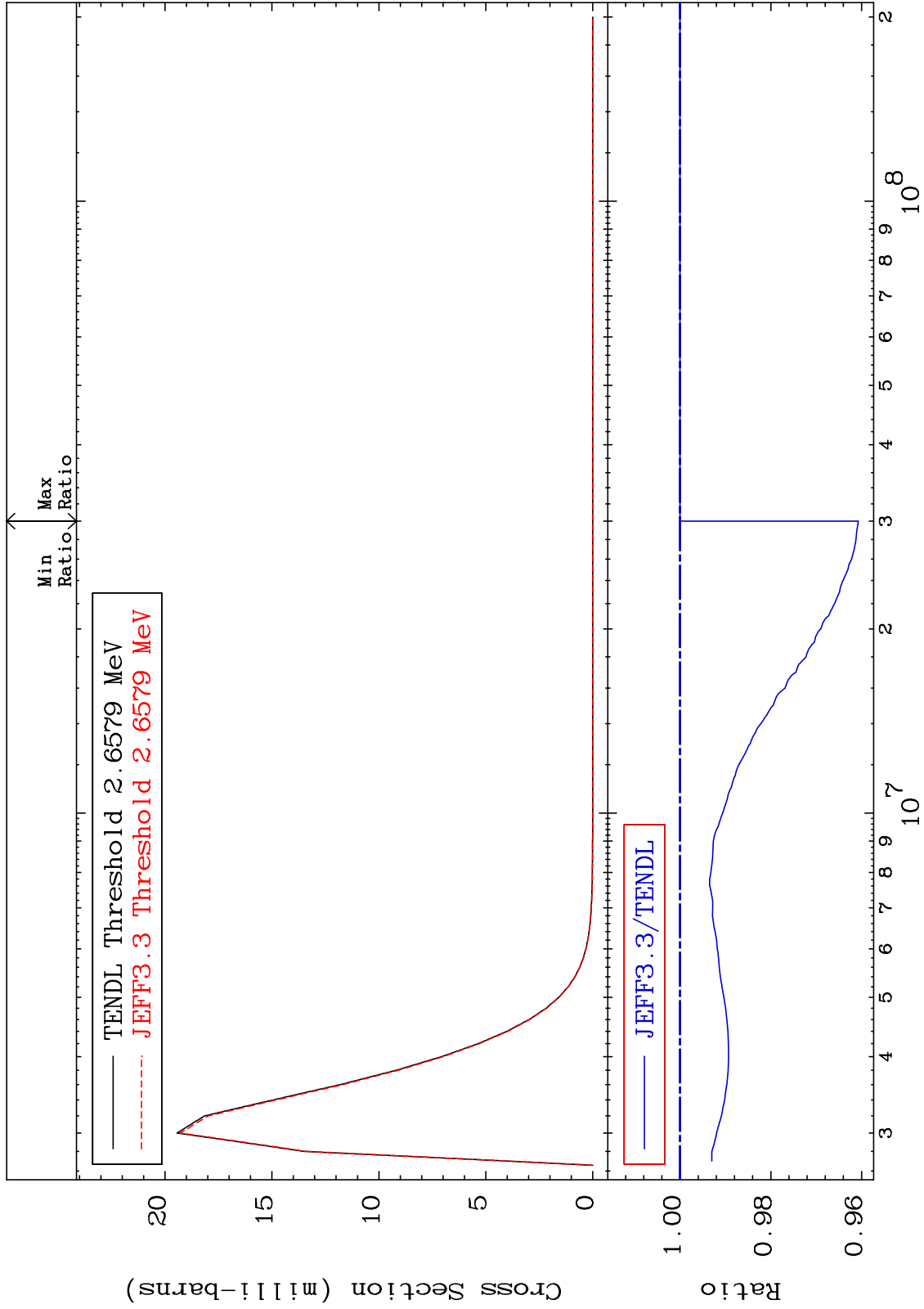




MAT 4455

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

44-Ru-106  
-3.930 To 0.000 %

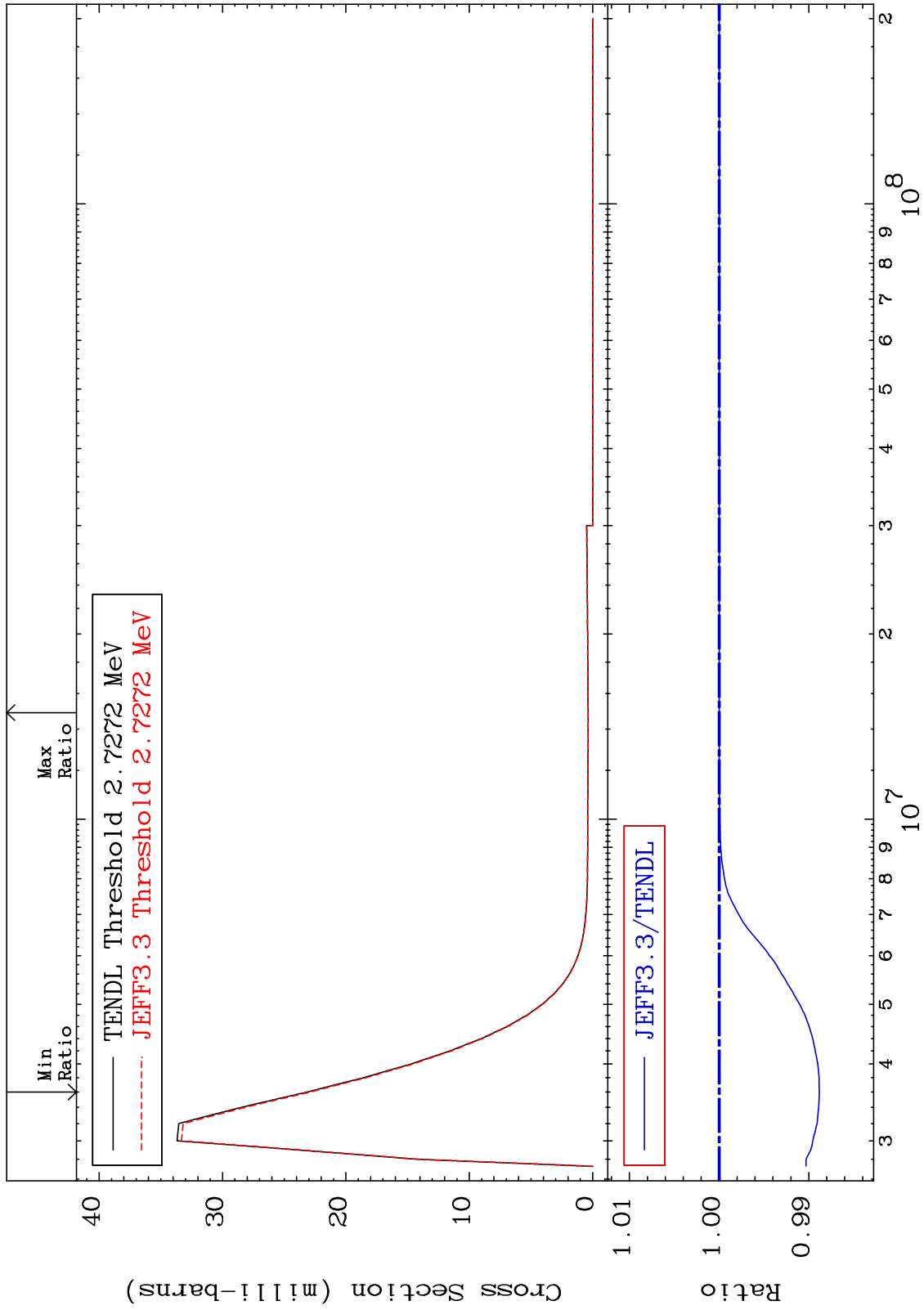


40

Incident Energy (eV)

44-Ru-106

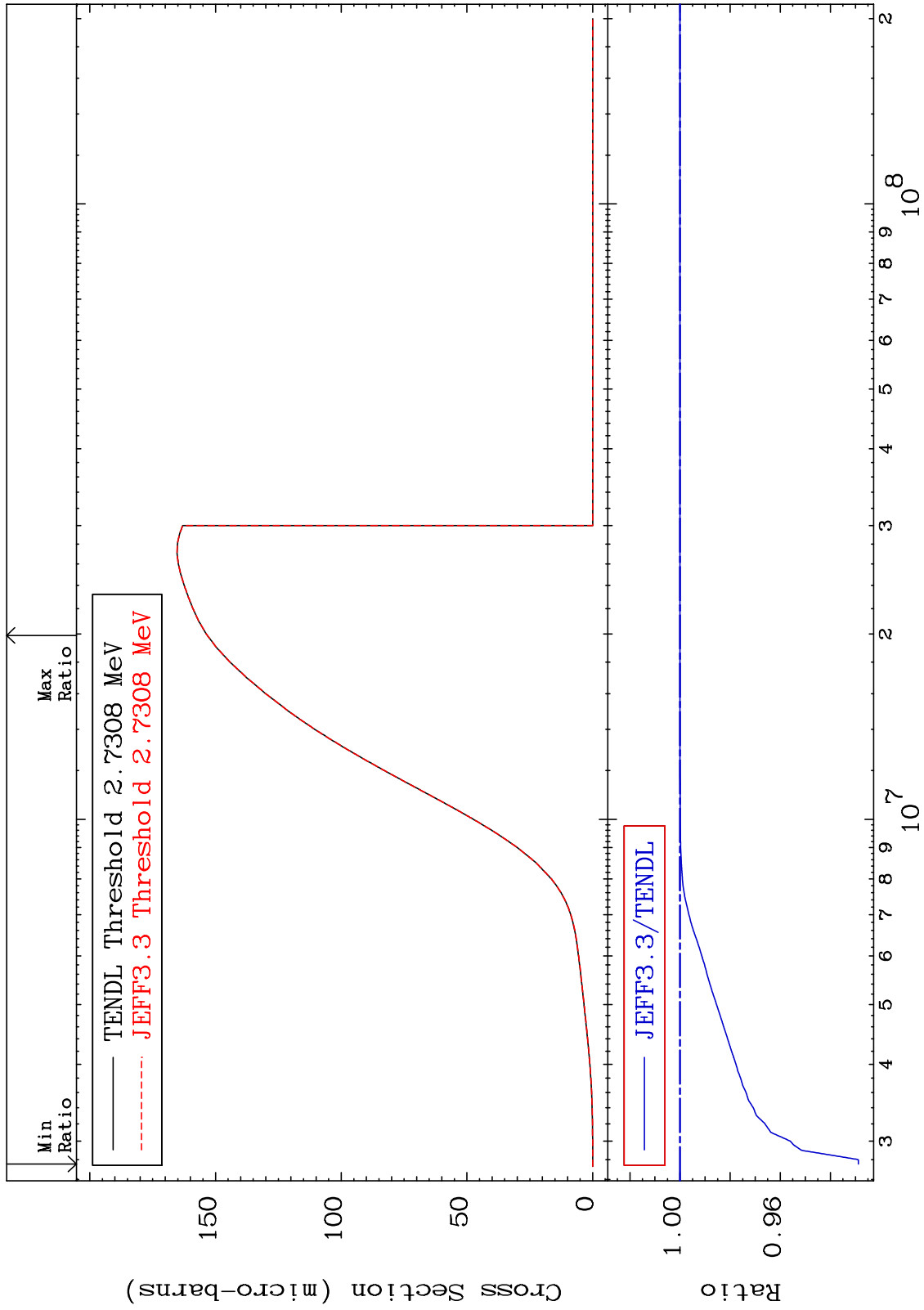
MAT 4455      MT= 74 (n,n') Level      44-Ru-106  
 Cross Section      -1.116 To 0.000 %



MAT 4455

MT= 75 (n,n') Level  
Cross Section

44-Ru-106  
-7.118 To 0.000 %



42

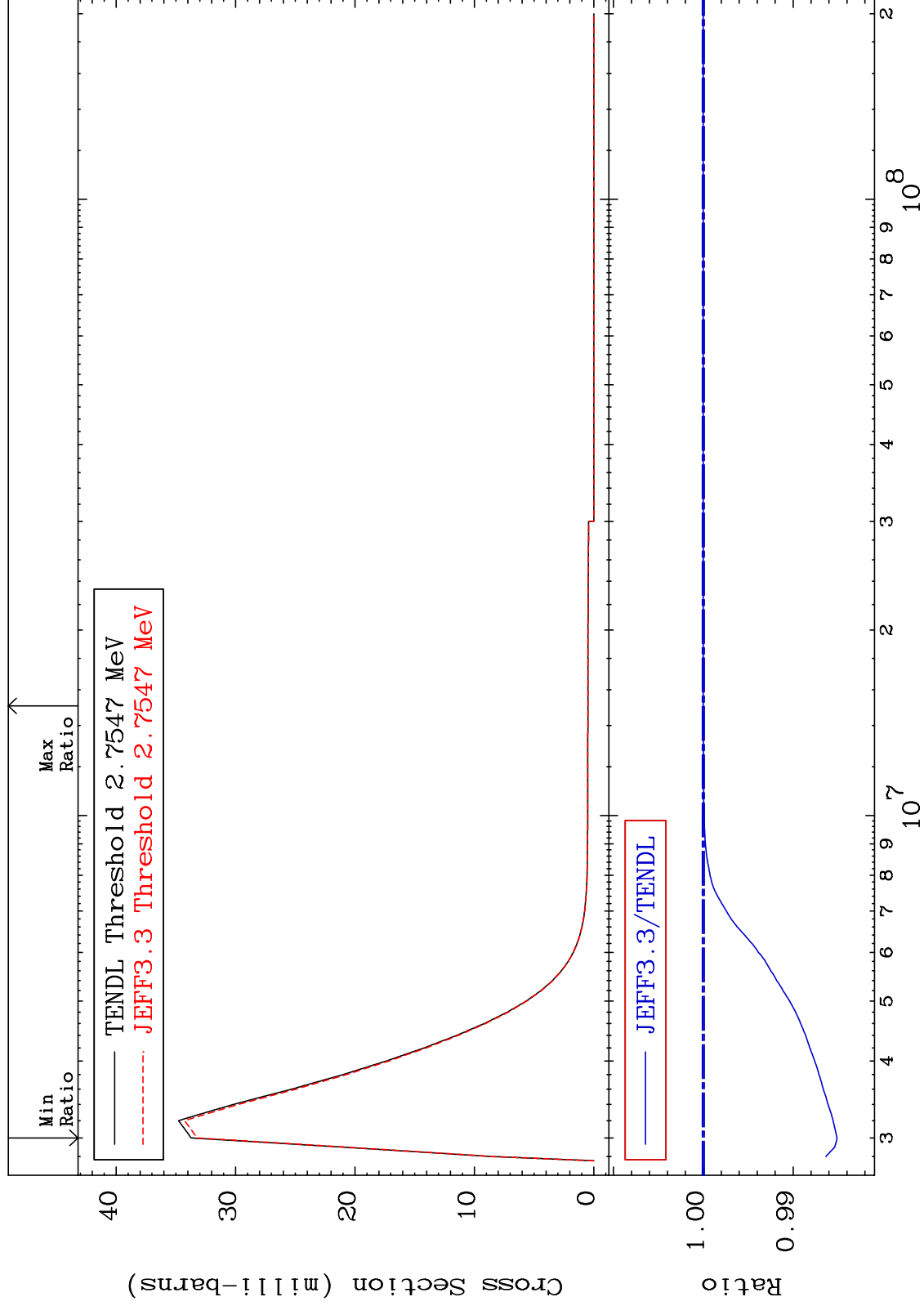
Incident Energy (eV)

44-Ru-106

MAT 4455

MT= 76 (n,n') Level  
Cross Section

44-Ru-106  
-1.489 To 0.000 %

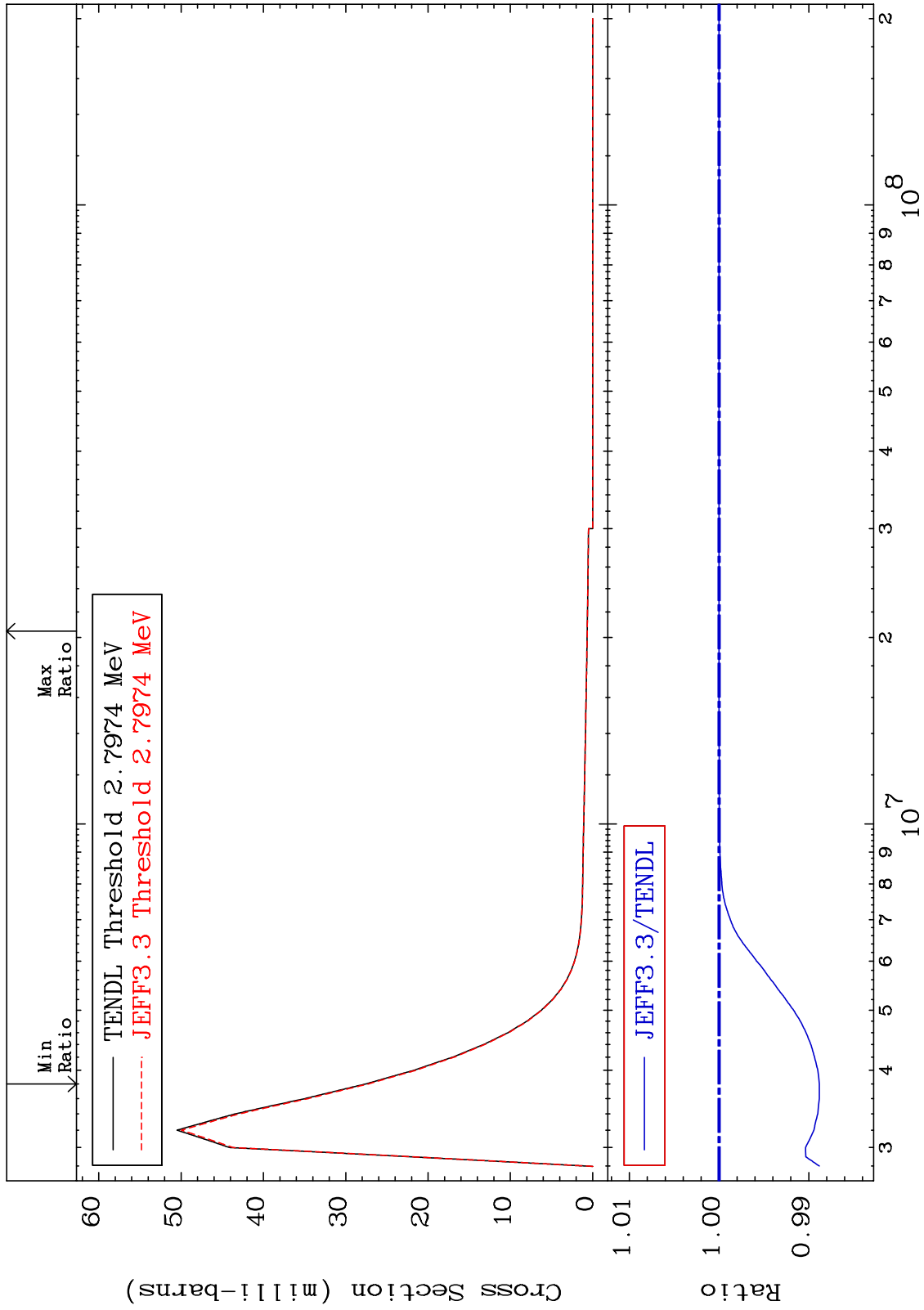


43

Incident Energy (eV)

44-Ru-106

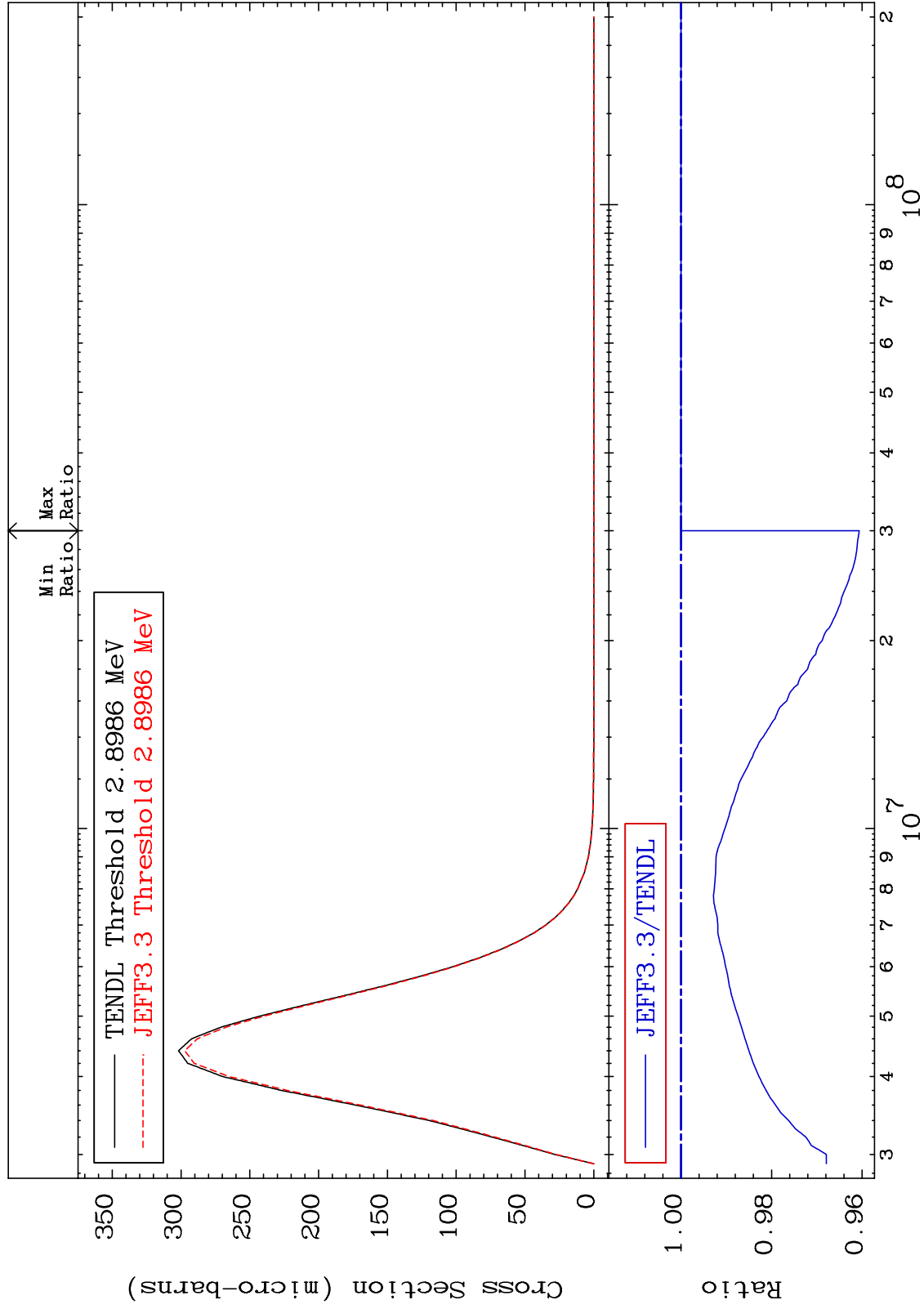
MAT 4455      MT= 77 (n,n') Level      44-Ru-106  
 Cross Section      -1.118 To 0.000 %



MAT 4455

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

44-Ru-106  
-3.940 To 0.000 %



45

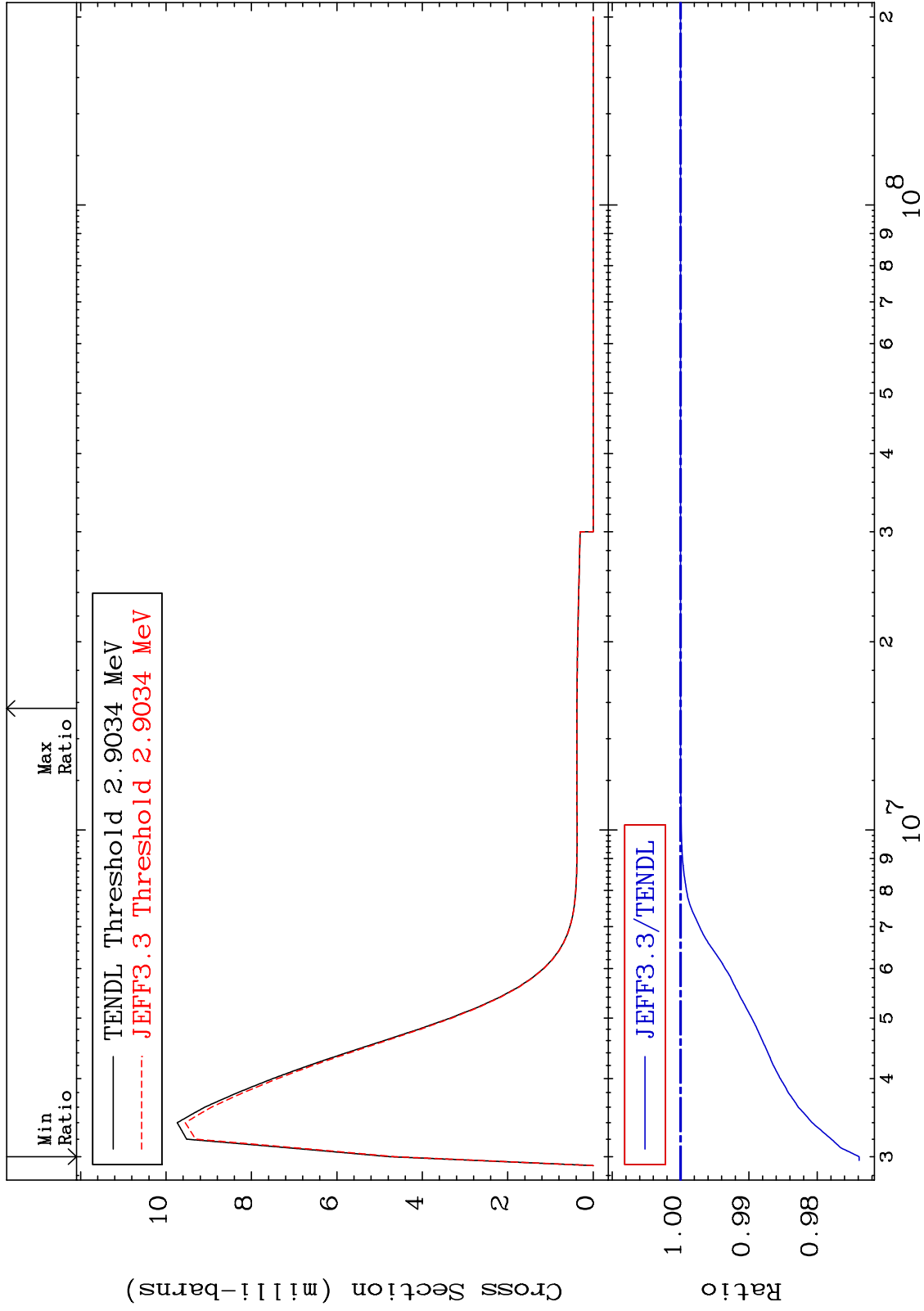
Incident Energy (eV)

44-Ru-106

MAT 4455

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

44-Ru-106  
-2.613 To 0.000 %



46

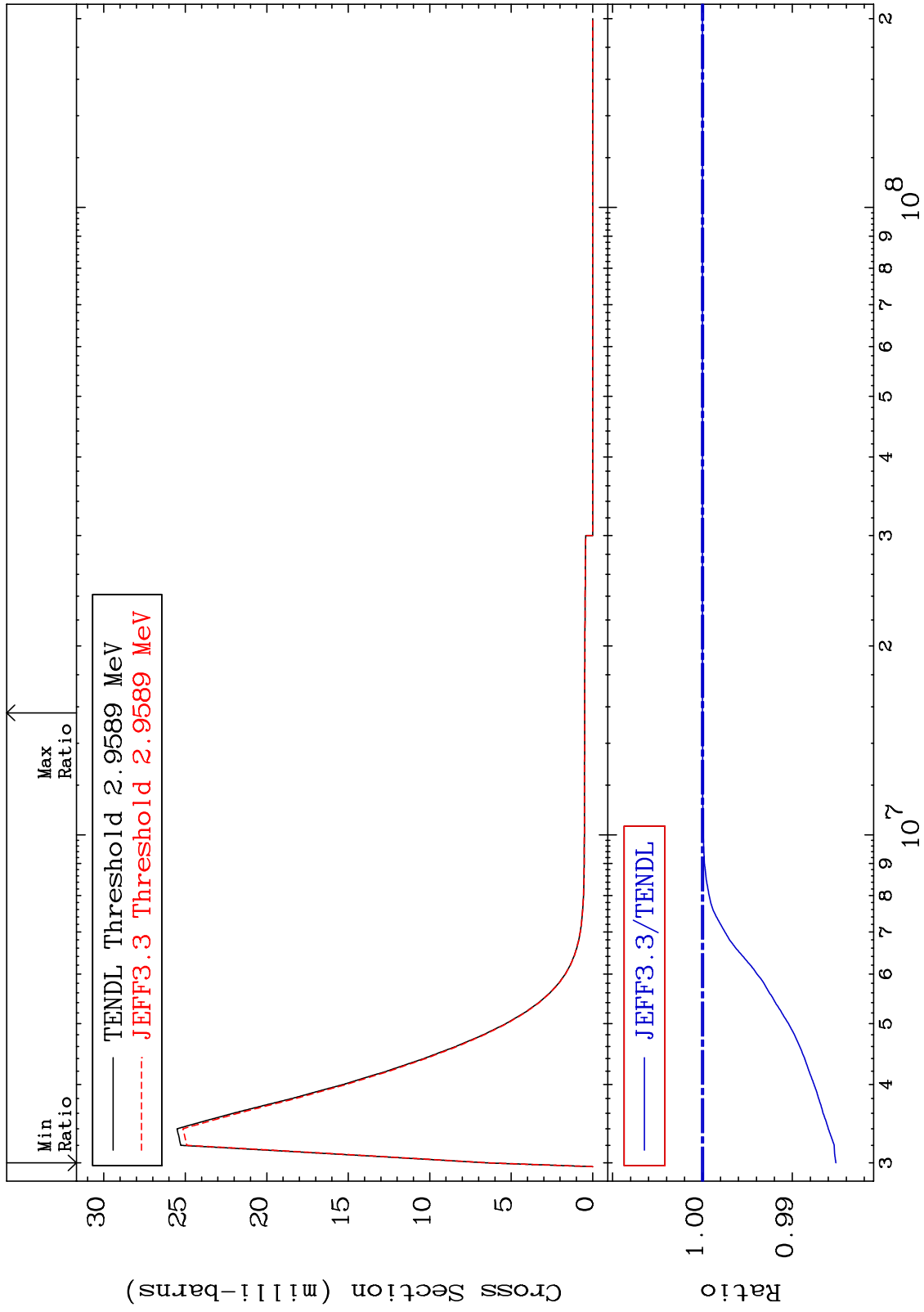
Incident Energy (eV)

44-Ru-106

MAT 4455

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

44-Ru-106  
-1.484 To 0.000 %



47

Incident Energy (eV)

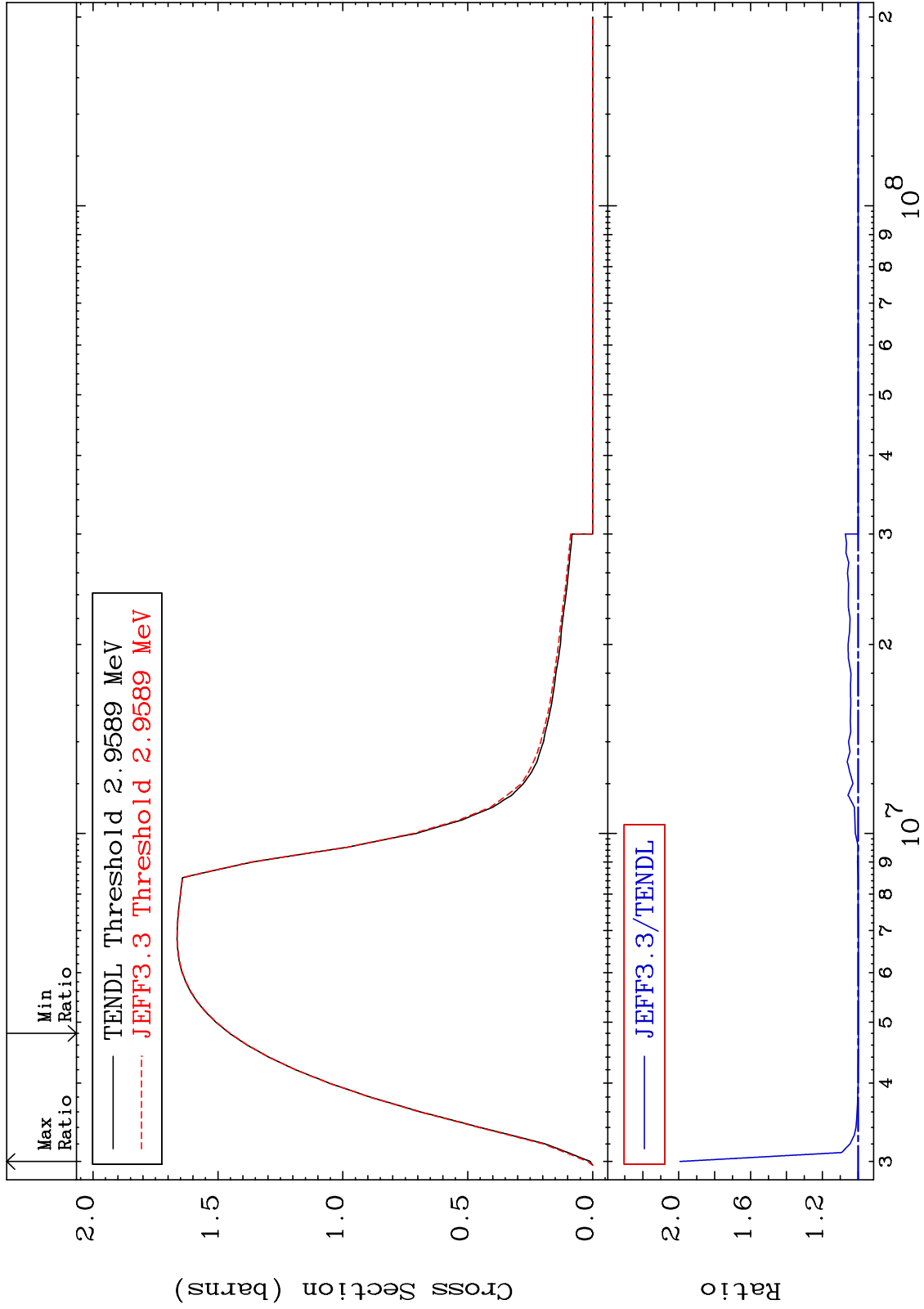
44-Ru-106



MAT 4455

(n, n') Continuum  
Cross Section

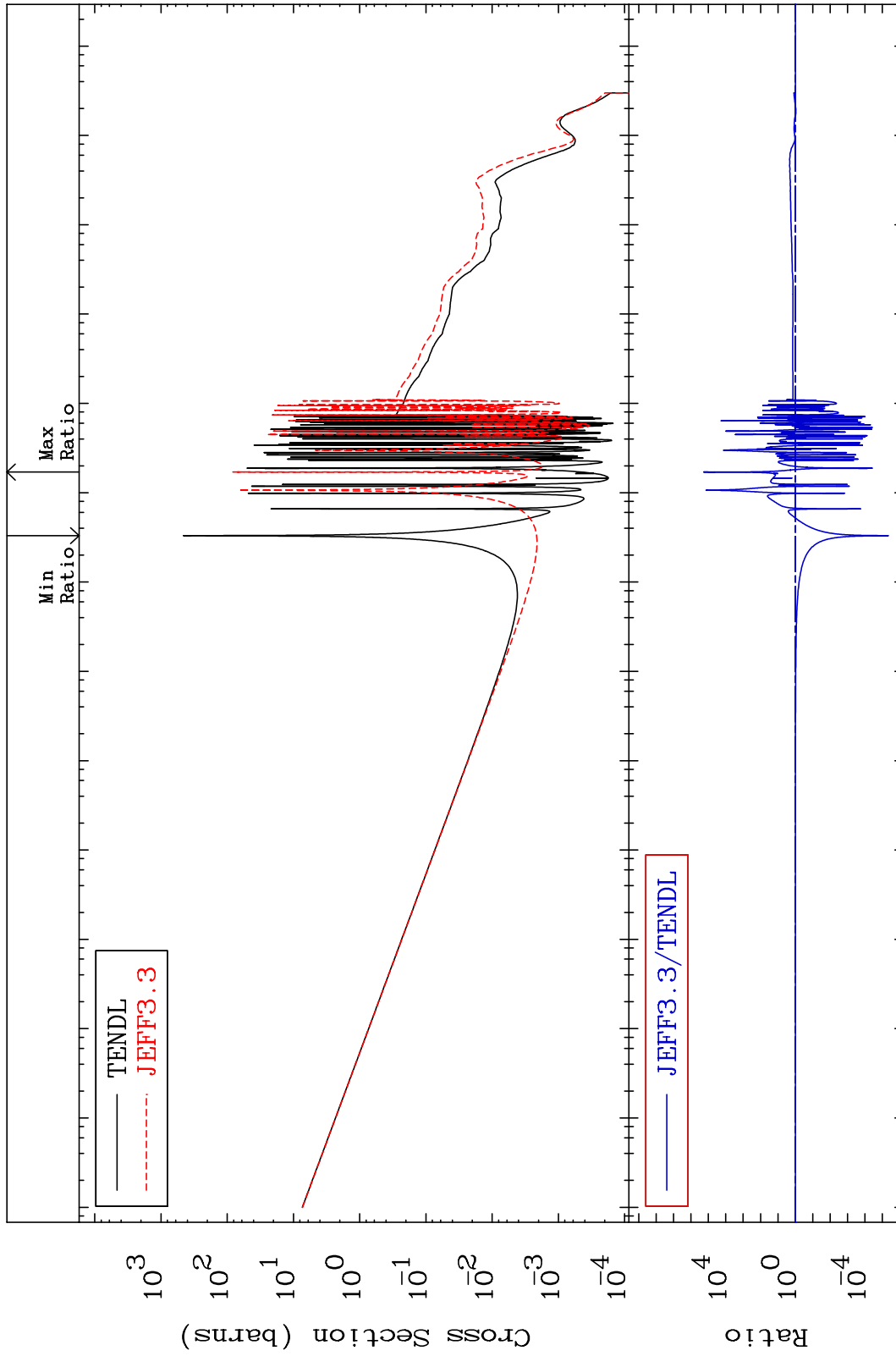
44-Ru-106  
-0.114 To 99.28 %



MAT 4455

(n,  $\gamma$ )  
Cross Section

44-Ru-106  
-100.0 To 9999. %



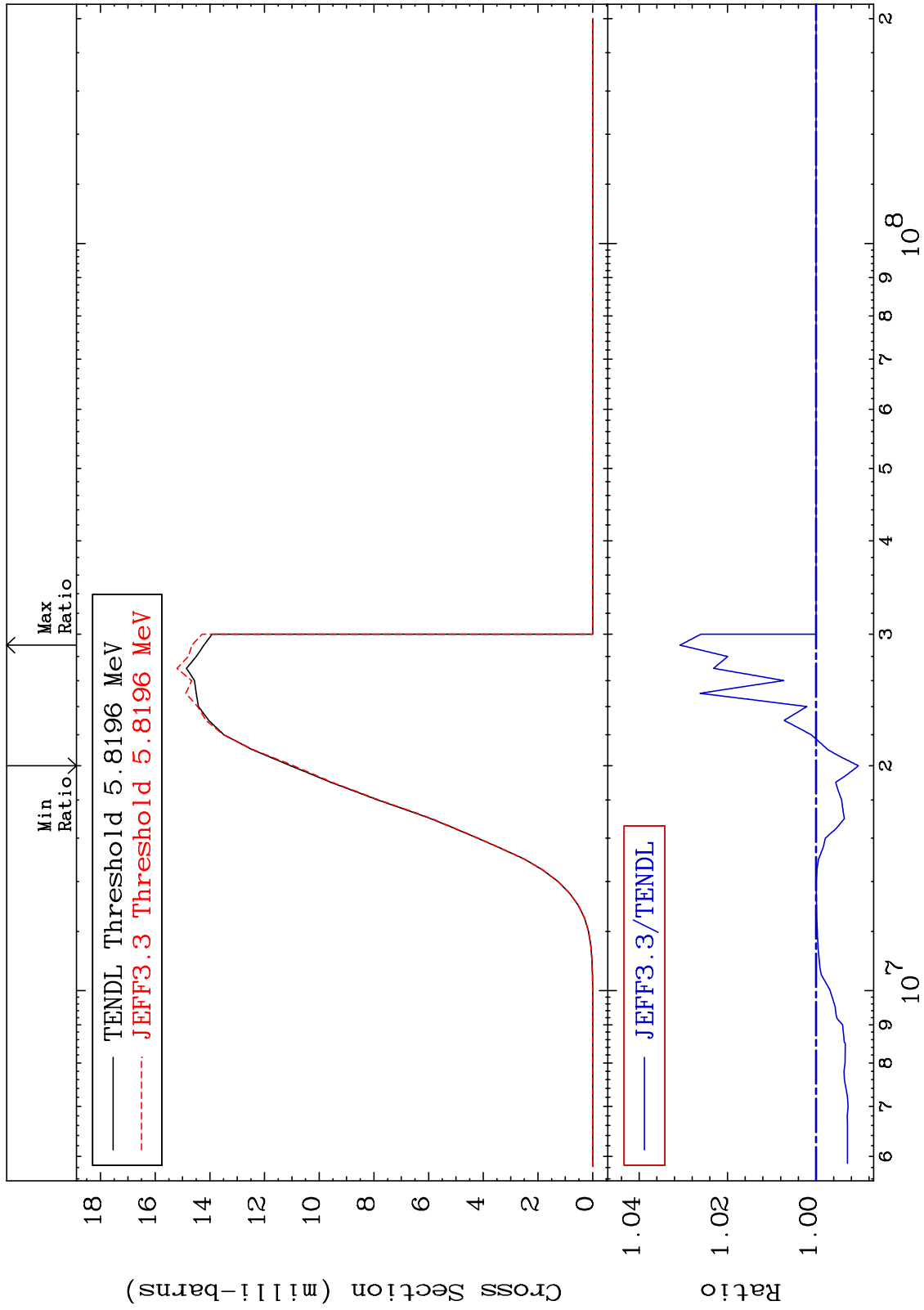
Incident Energy (eV)

44-Ru-106

MAT 4455

44-Ru-106

(n,p)  
Cross Section  
-0.960 To 3.076 %



50

Incident Energy (eV)

44-Ru-106

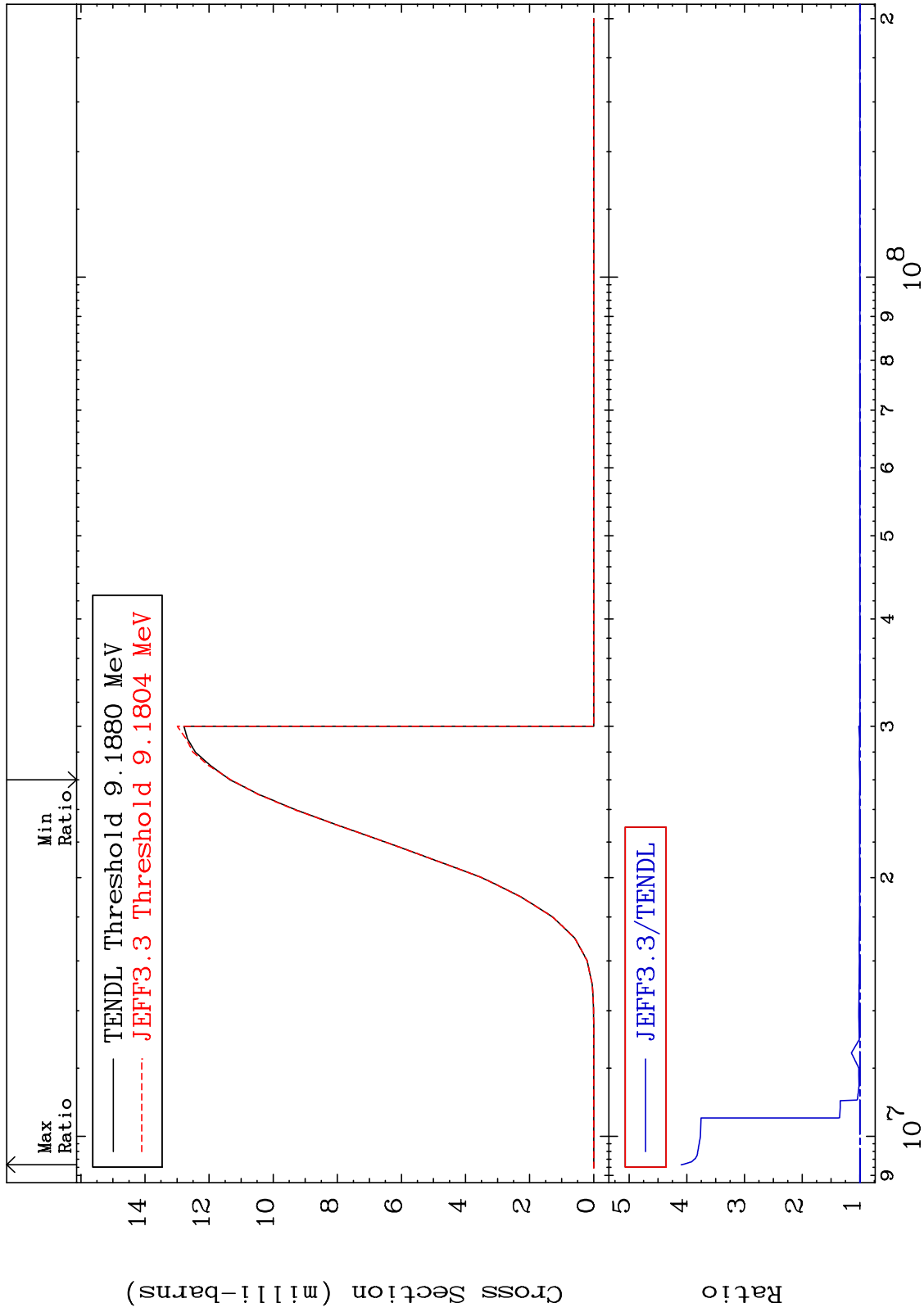
MAT 4455

(n, d)

44-Ru-106

Cross Section

-0.248 To 309.8 %



51

Incident Energy (eV)

44-Ru-106

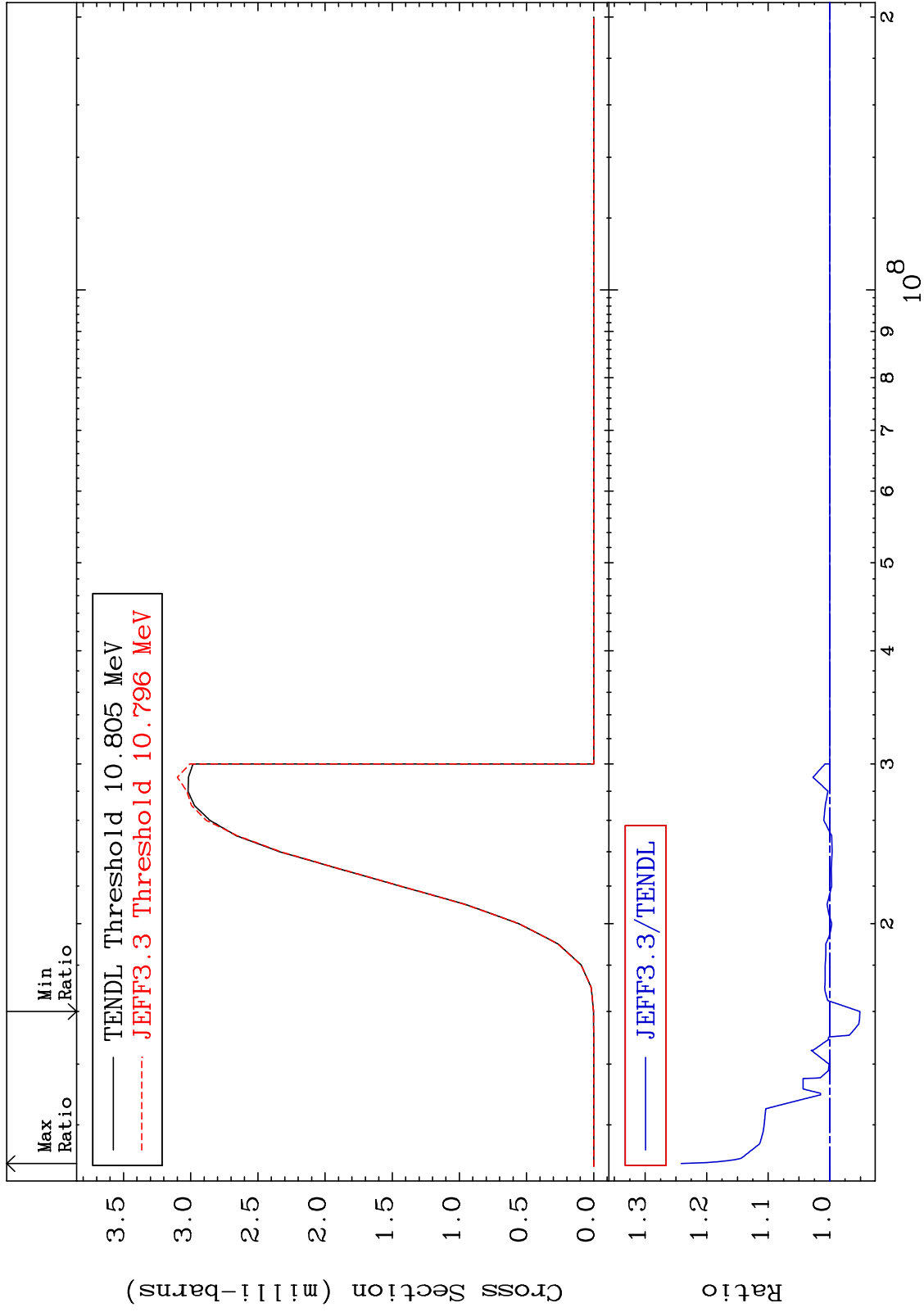
MAT 4455

(n, t)

44-Ru-106

Cross Section

-4.910 To 24.14 %



MAT 4455

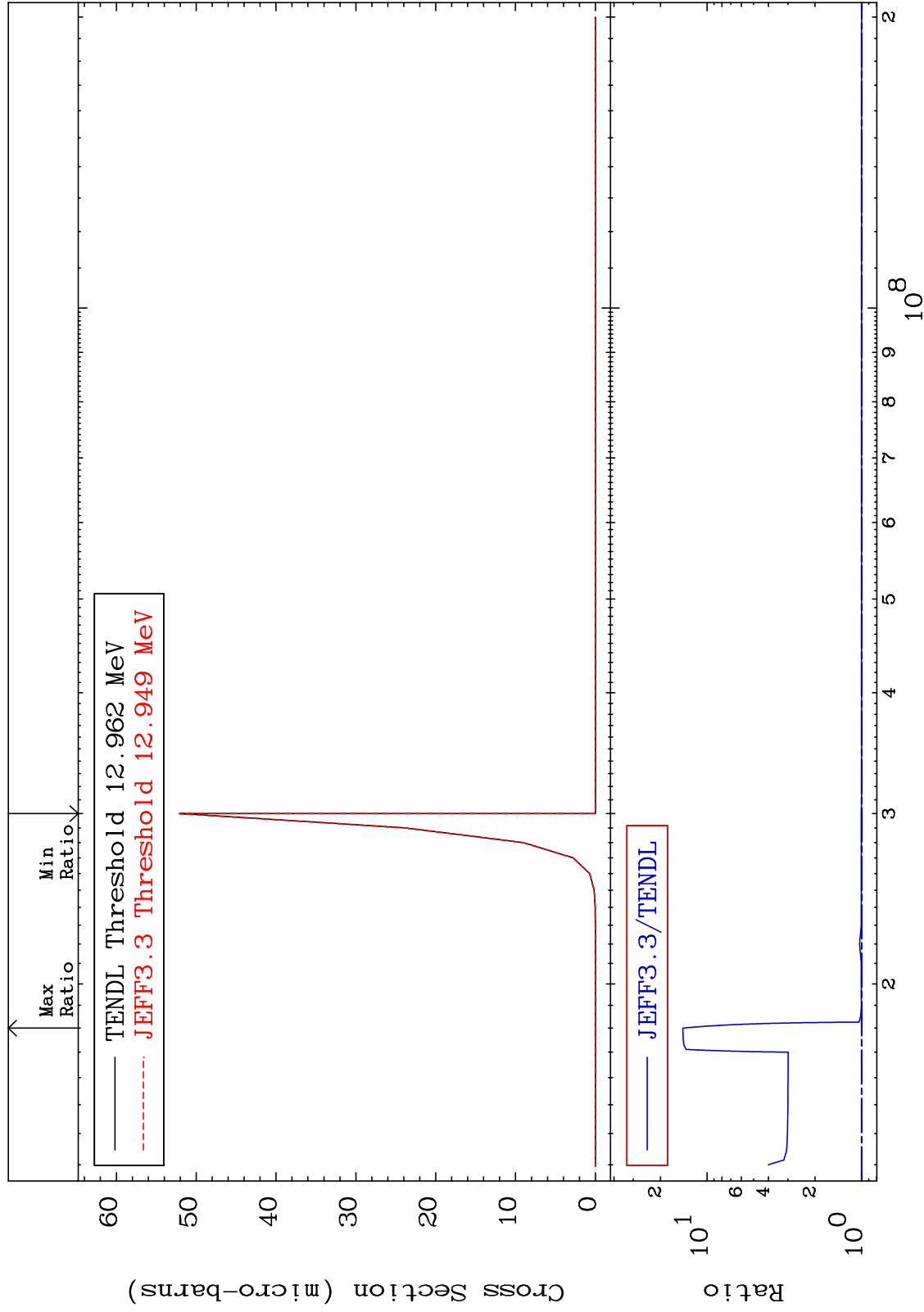
(n, He-3)

44-Ru-106

Cross Section

0.000

To 1332. %



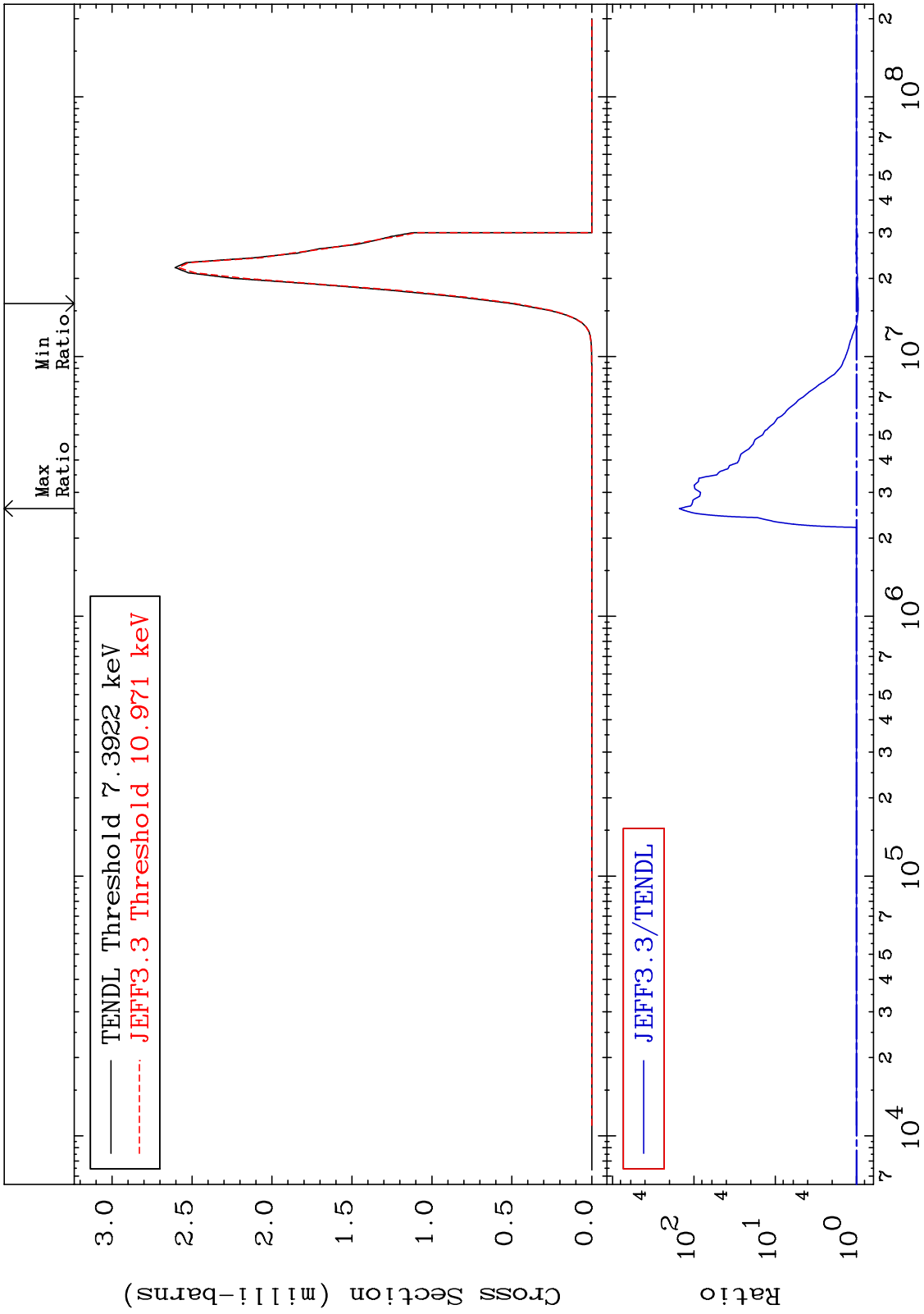
MAT 4455

(n,  $\alpha$ )

44-Ru-106

-4.674 To 9999. %

Cross Section



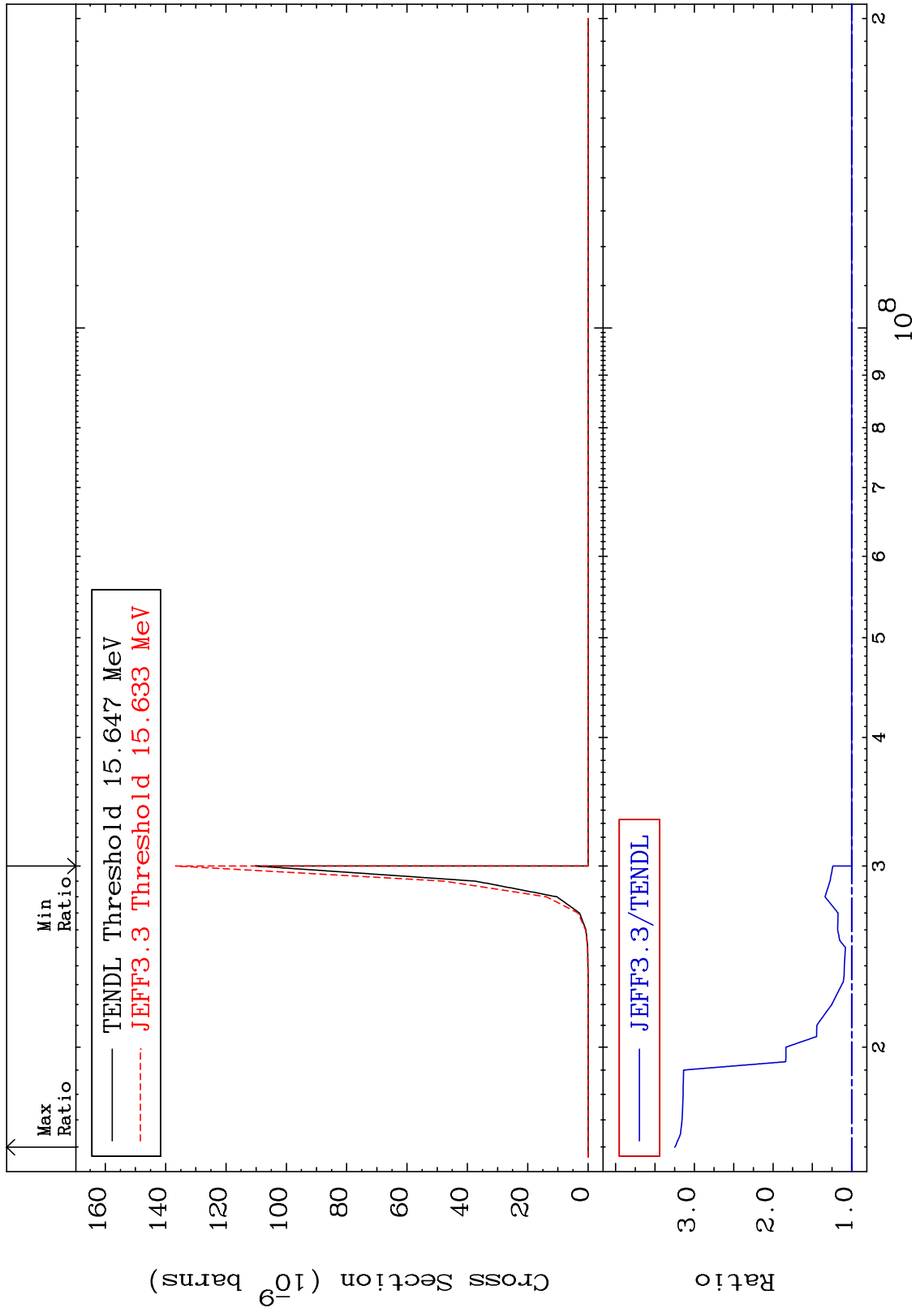
MAT 4455

(n,2p)

44-Ru-106

Cross Section

0.000 To 224.9 %



55

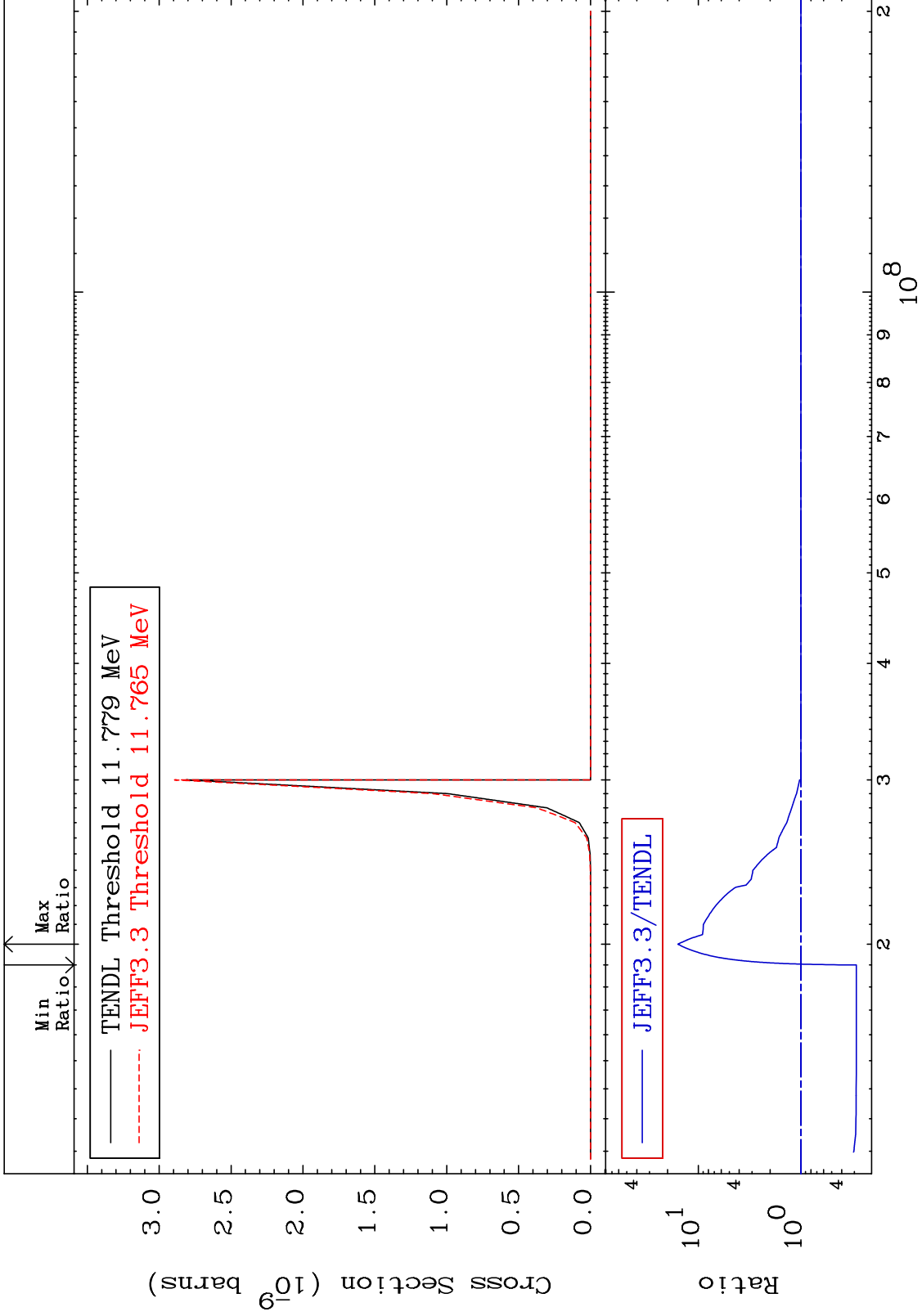
Incident Energy (eV)

44-Ru-106



Cross Section

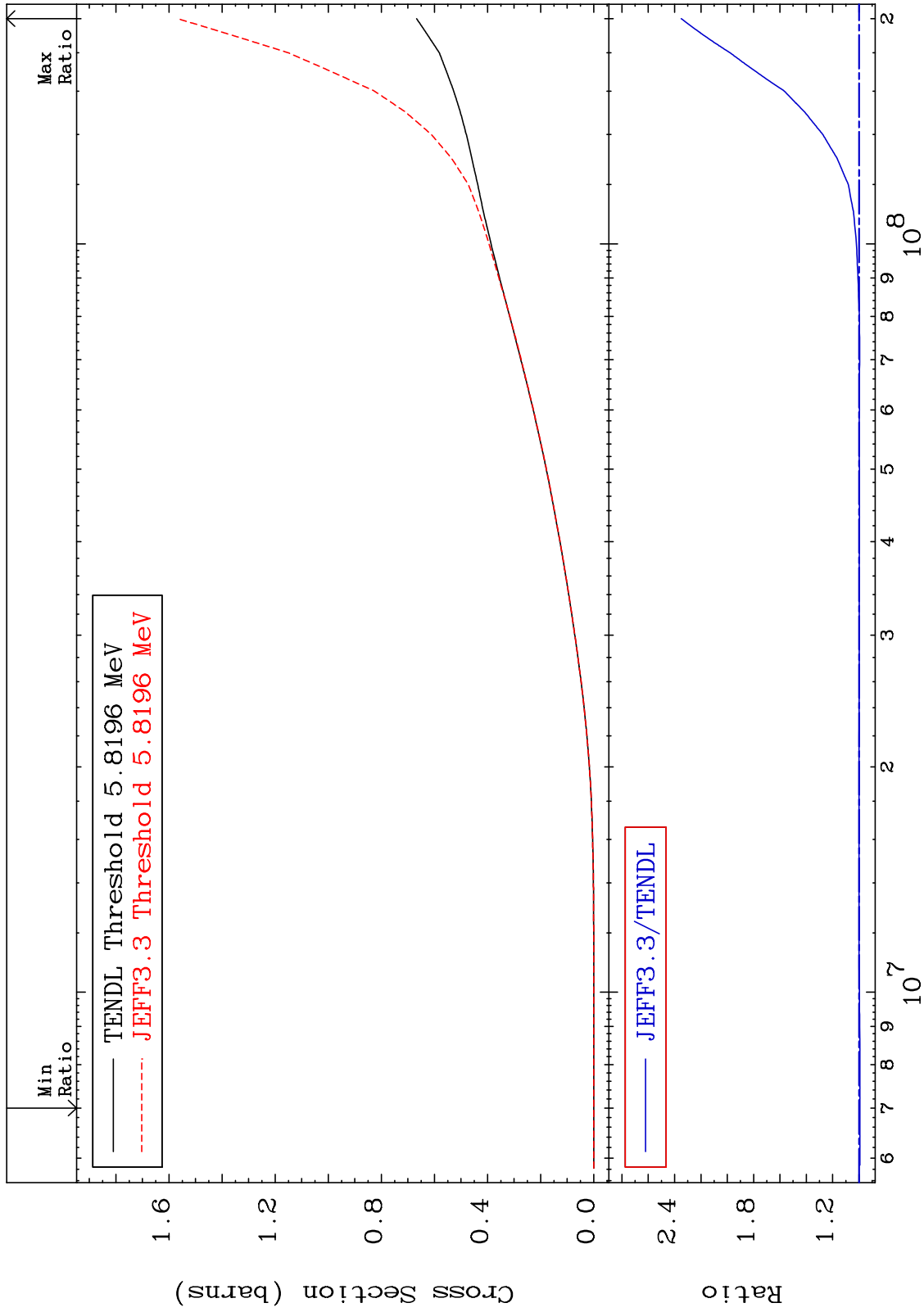
-71.26 To 1487. %



MAT 4455

Hydrogen Production  
Cross Section

44-Ru-106  
-0.727 To 135.0 %



57

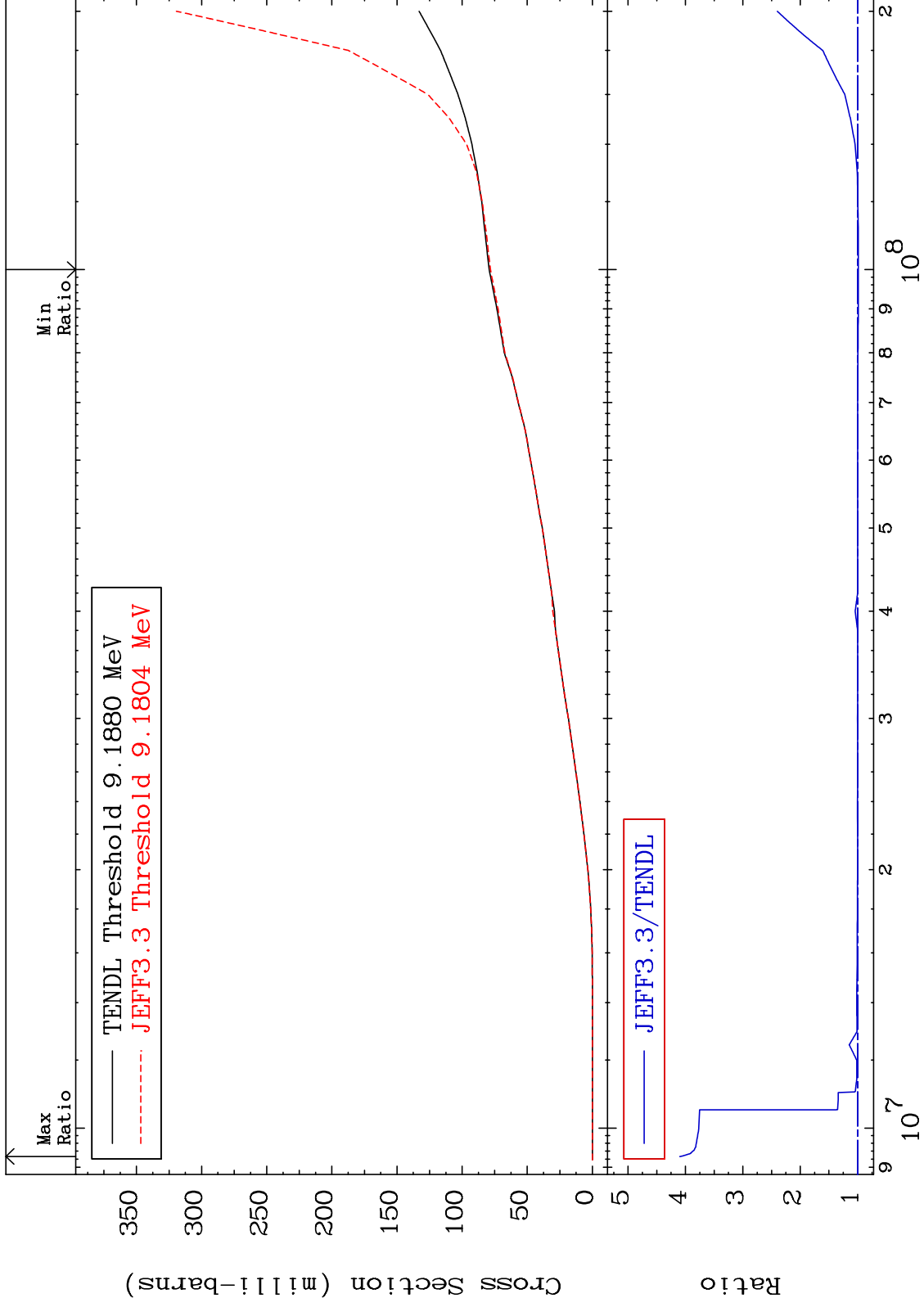
Incident Energy (eV)

44-Ru-106

MAT 4455

Deuterium Production  
Cross Section

44-Ru-106  
-1.271 To 309.8 %



58

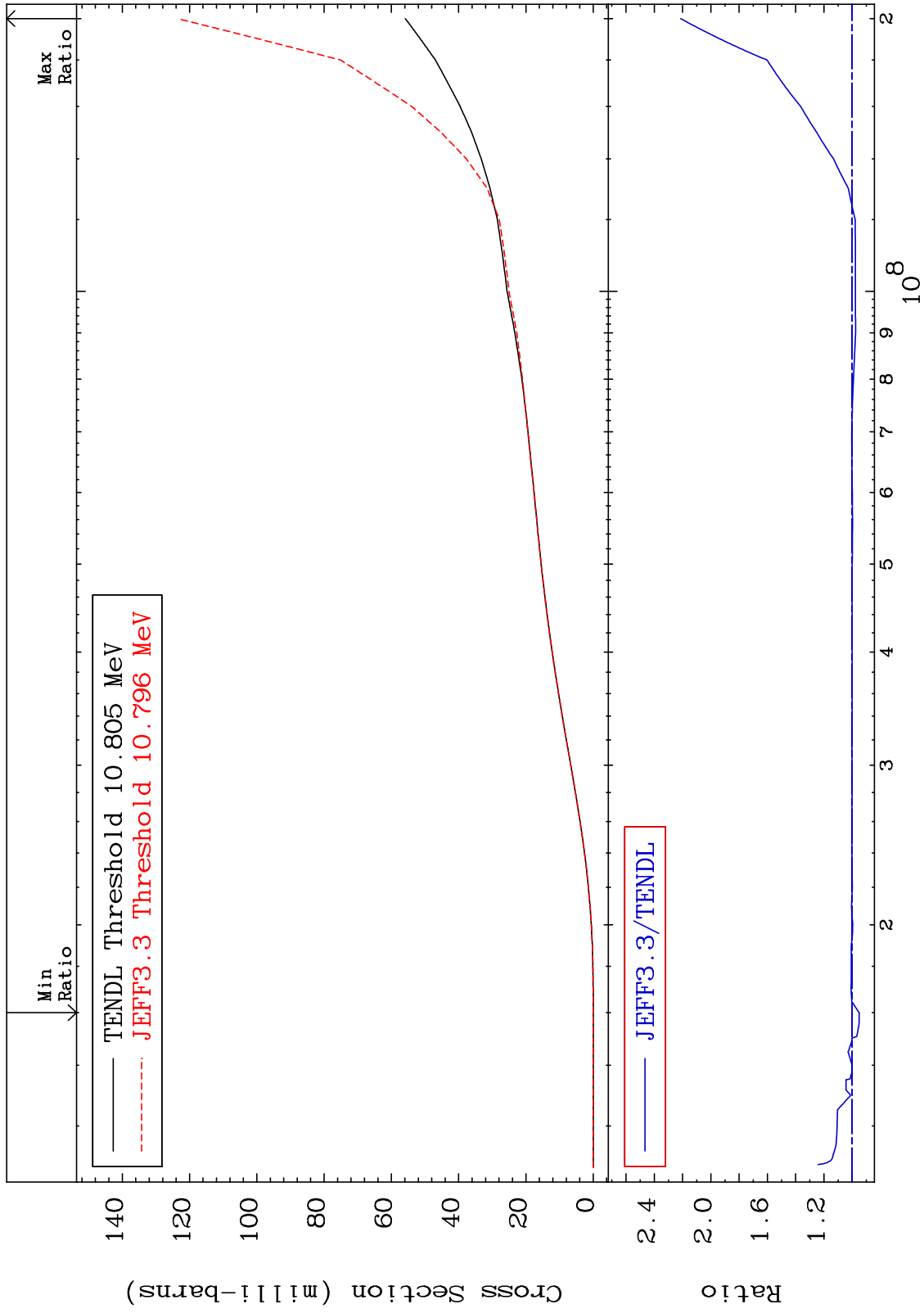
Incident Energy (eV)

44-Ru-106

MAT 4455

Tritium Production  
Cross Section

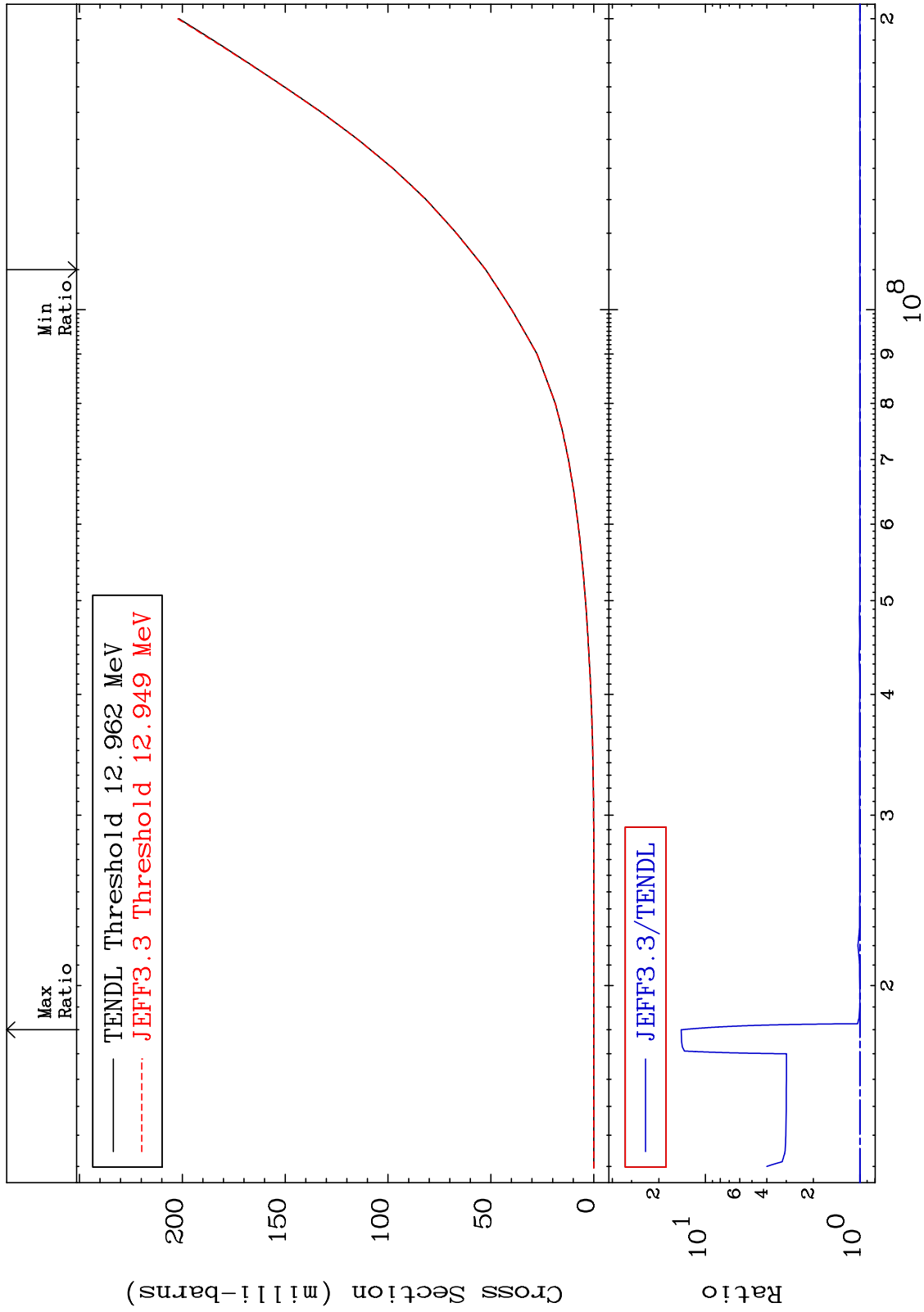
44-Ru-106  
-4.910 To 121.4 %



MAT 4455

He-3 Production  
Cross Section

44-Ru-106  
0.073 To 1332. %



60

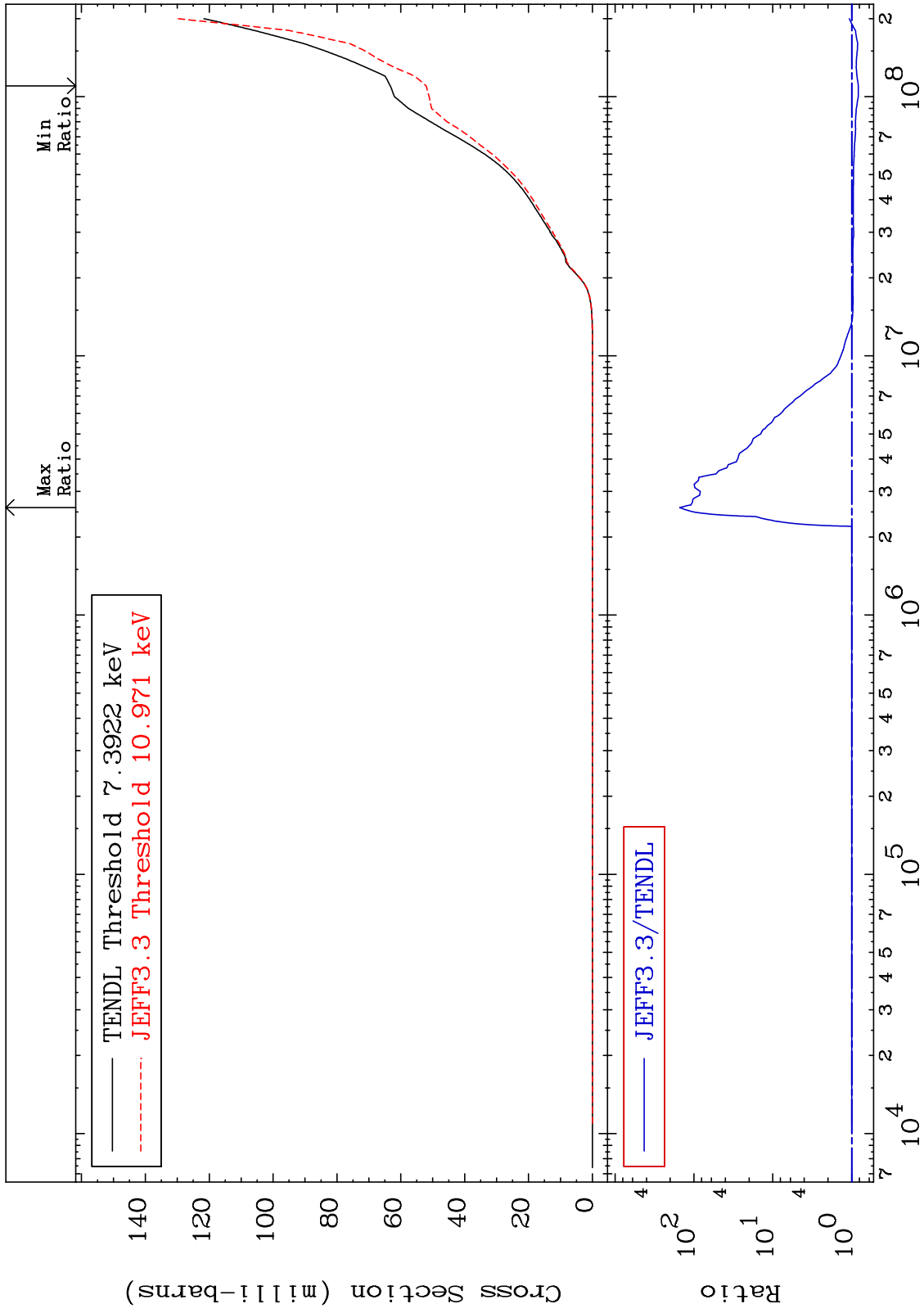
Incident Energy (eV)

44-Ru-106

MAT 4455

He-4 Production  
Cross Section

44-Ru-106  
-17.70 To 9999. %



61

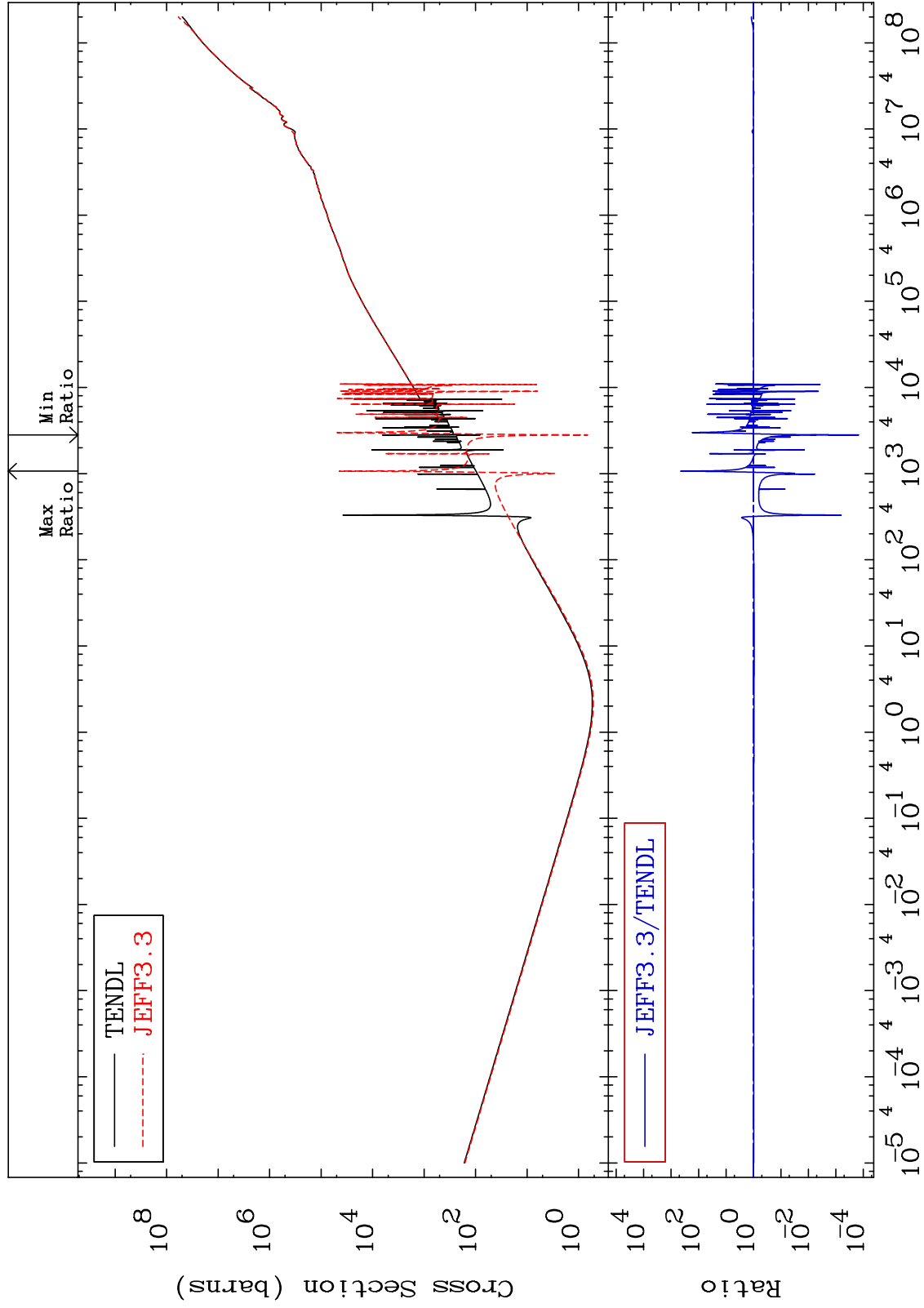
Incident Energy (eV)

44-Ru-106

MAT 4455

Kerma total (eV-barns)  
Cross Section

44-Ru-106  
-99.99 To 9999. %



62

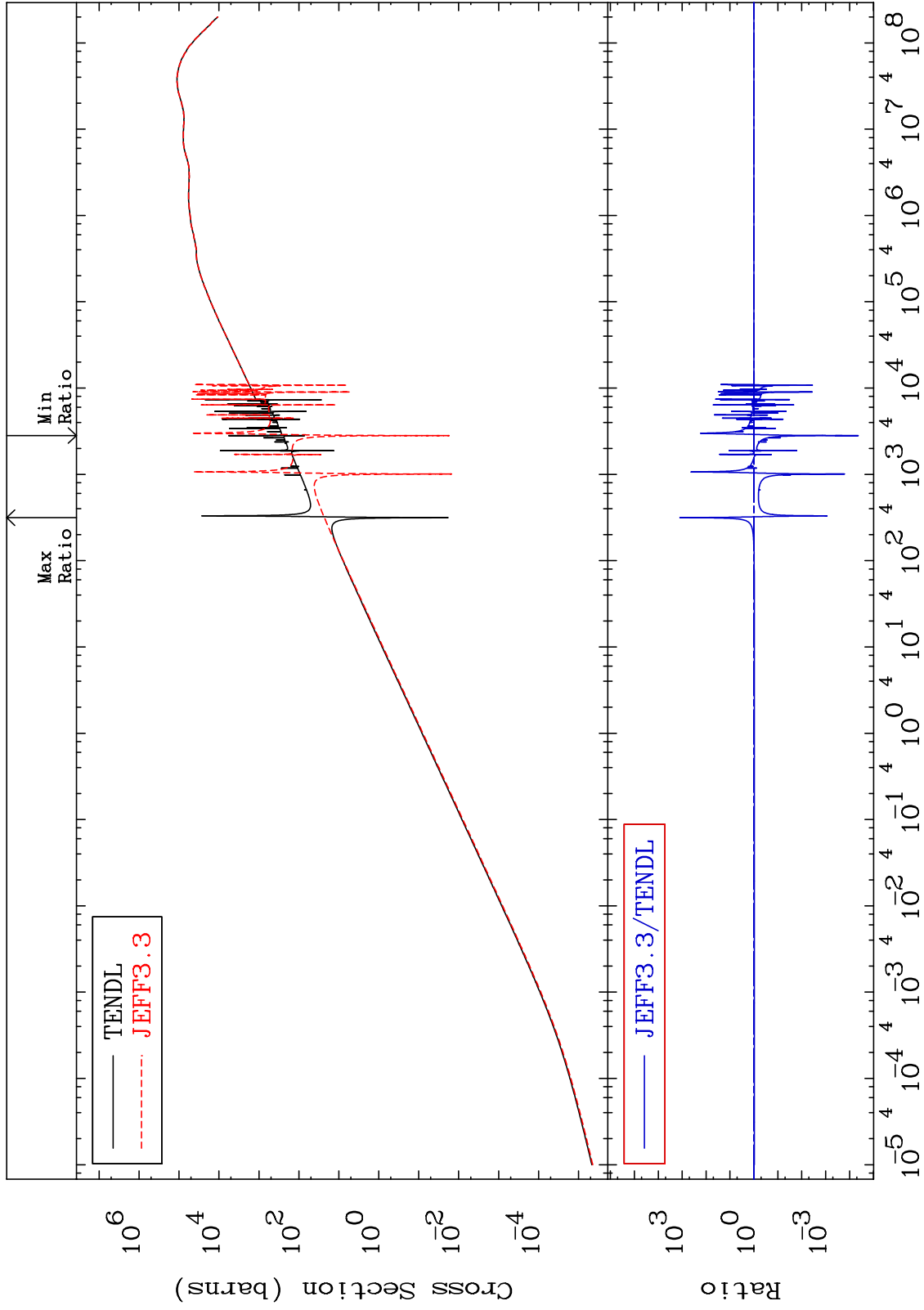
Incident Energy (eV)

44-Ru-106

MAT 4455

Kerma elastic  
Cross Section

44-Ru-106  
-100.0 To 9999. %



63

Incident Energy (eV)

44-Ru-106



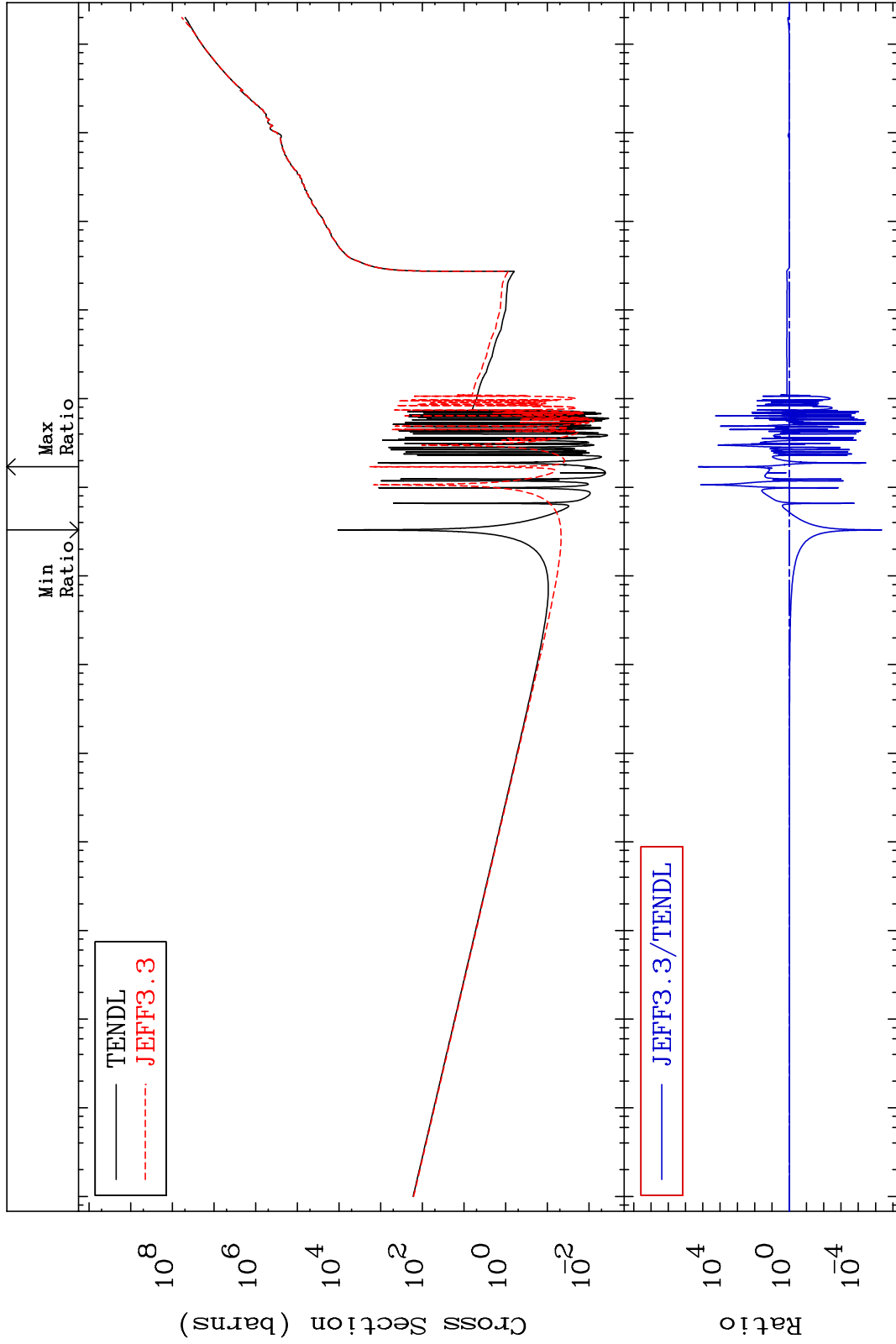
MAT 4455

Kerma non-elastic (all but mt2)

44-Ru-106

-100.0 To 9999. %

Cross Section



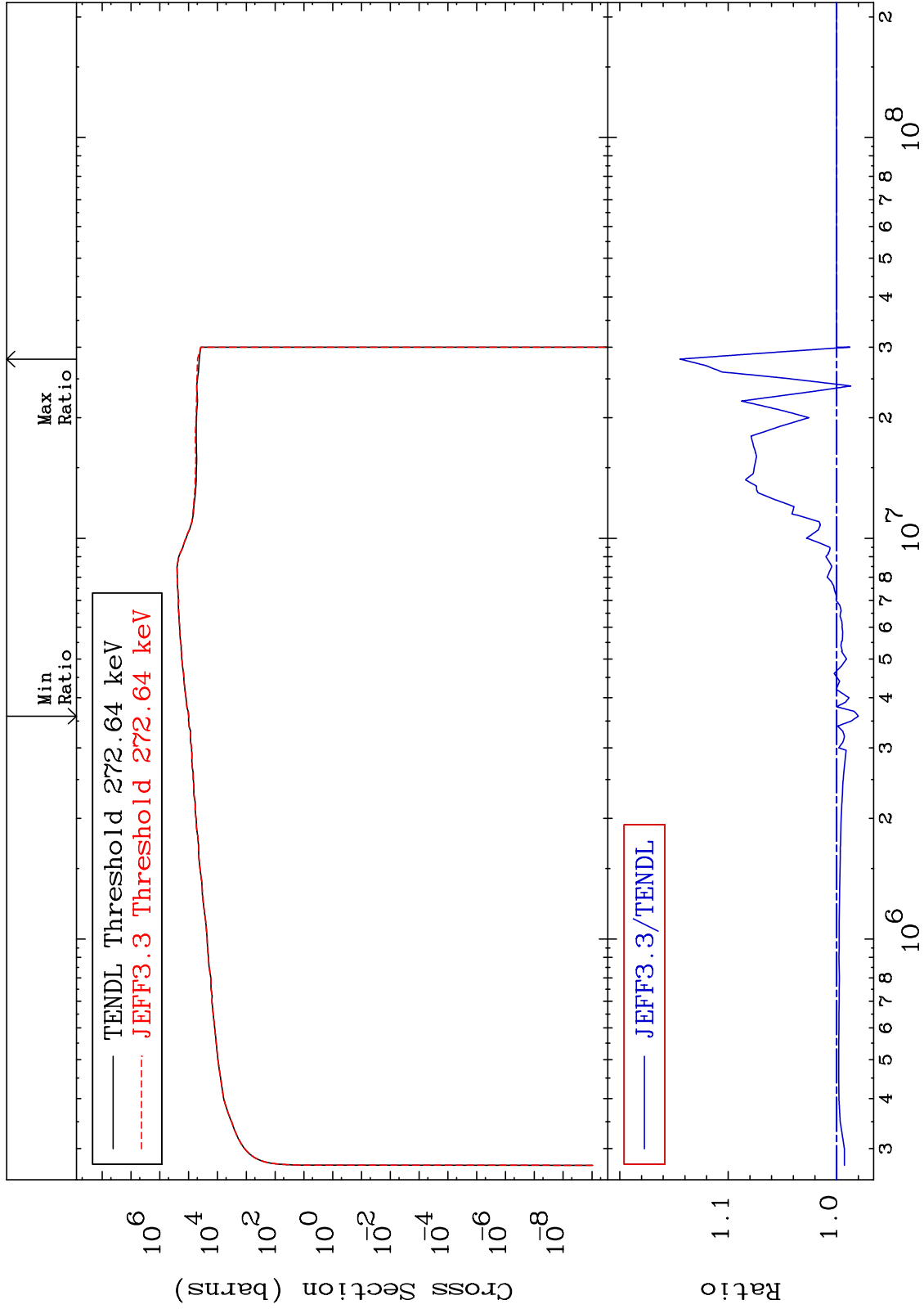
Incident Energy (eV)

44-Ru-106

MAT 4455

Kerma inelastic (mt51-91)  
Cross Section

44-Ru-106  
-2.010 To 14.45 %



65

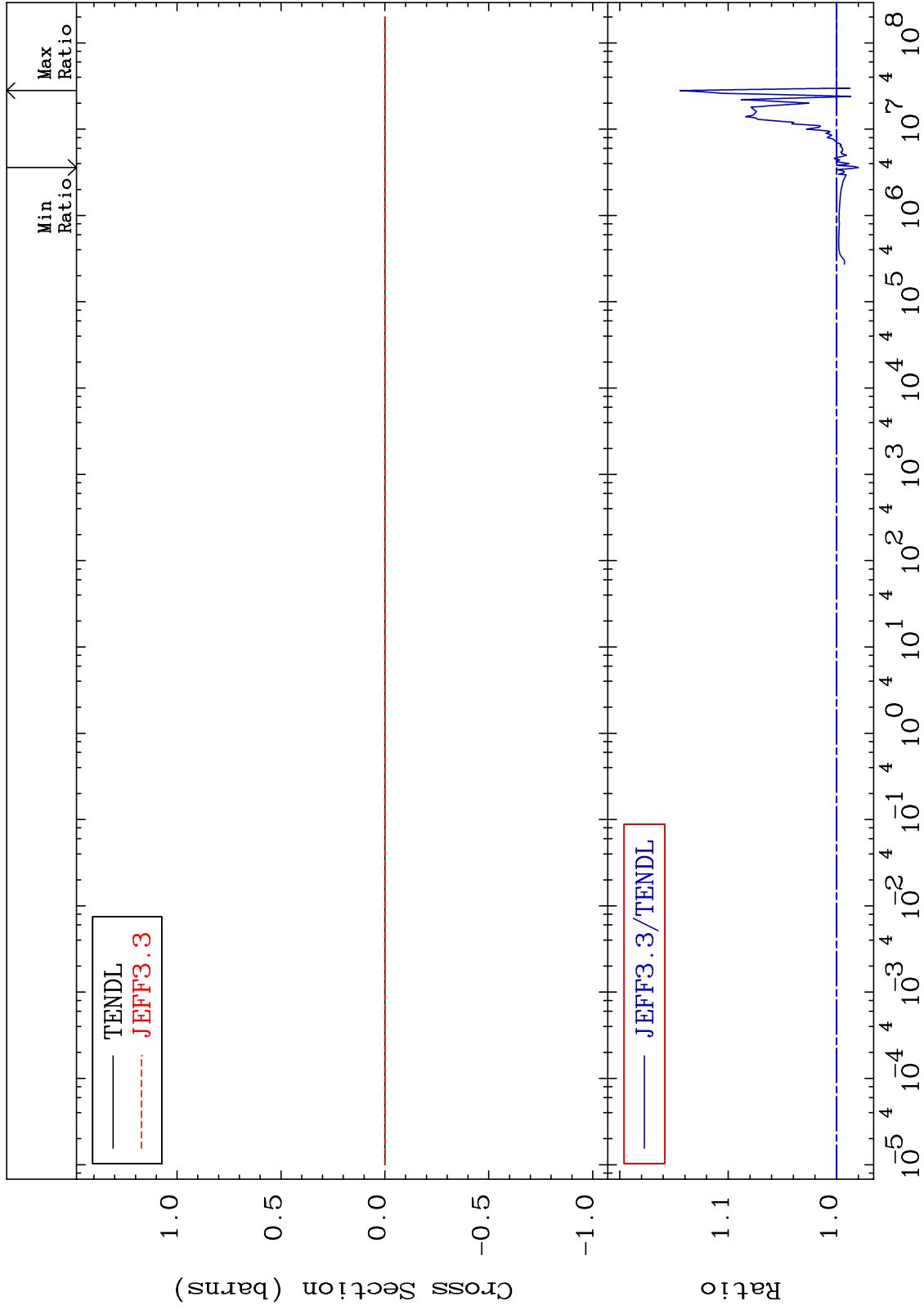
Incident Energy (eV)

44-Ru-106

MAT 4455

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

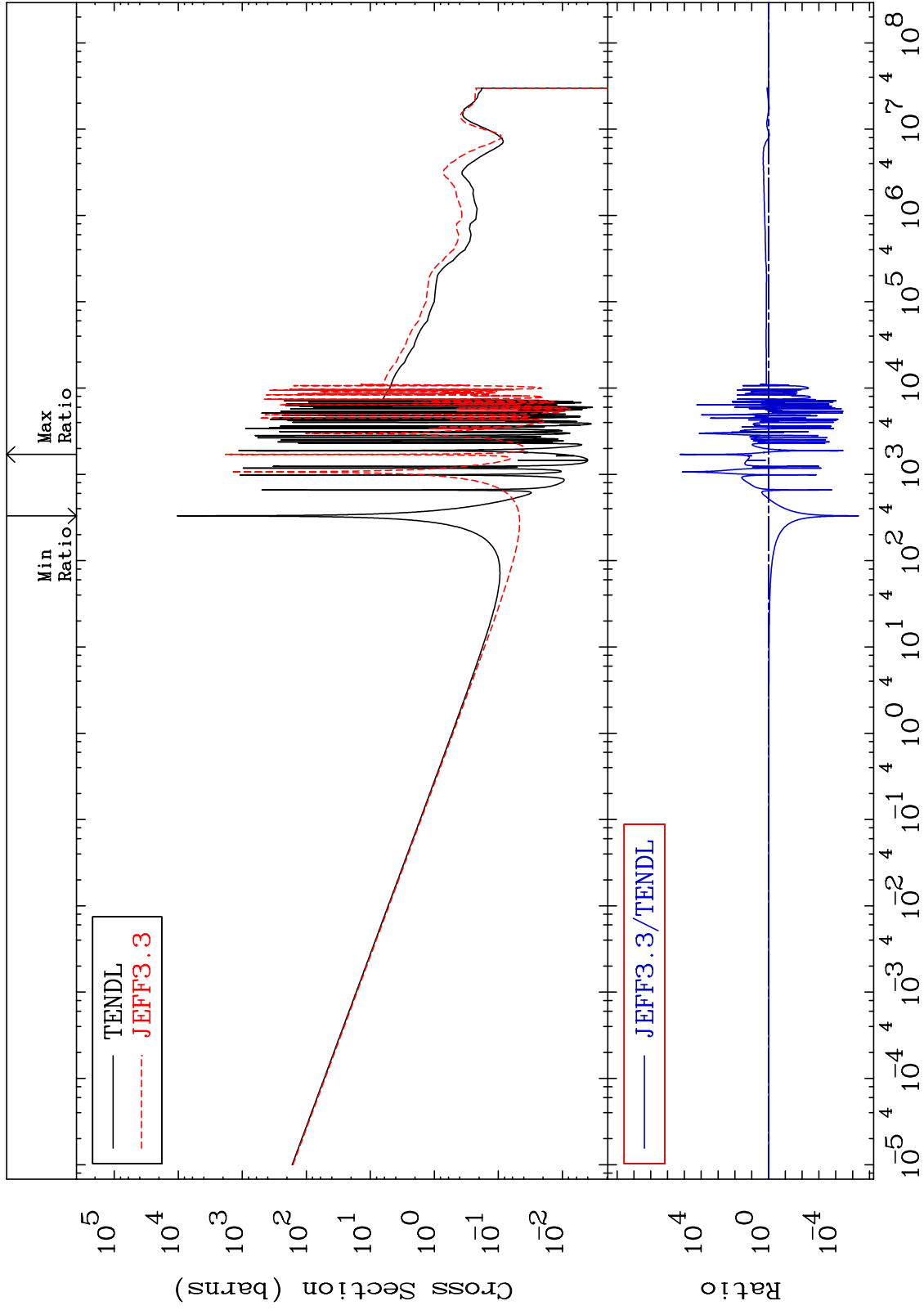
44-Ru-106  
-2.010 To 14.45 %



MAT 4455

Kerma capture (mt102)  
Cross Section

44-Ru-106  
-100.0 To 9999. %



67

Incident Energy (eV)

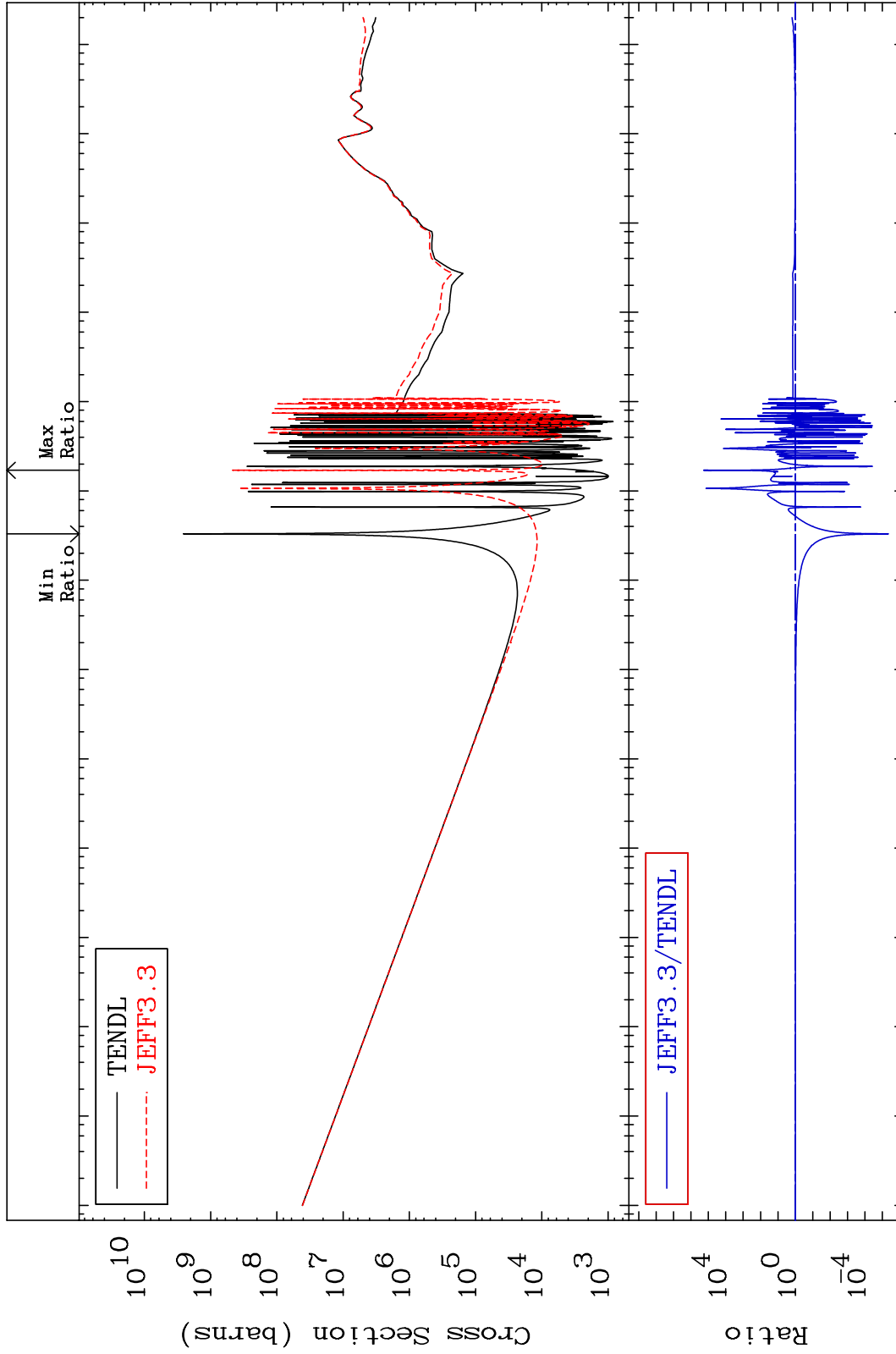
44-Ru-106

MAT 4455

Total photon (eV-barns)  
Cross Section

44-Ru-106

-100.0 To 9999. %



Incident Energy (eV)

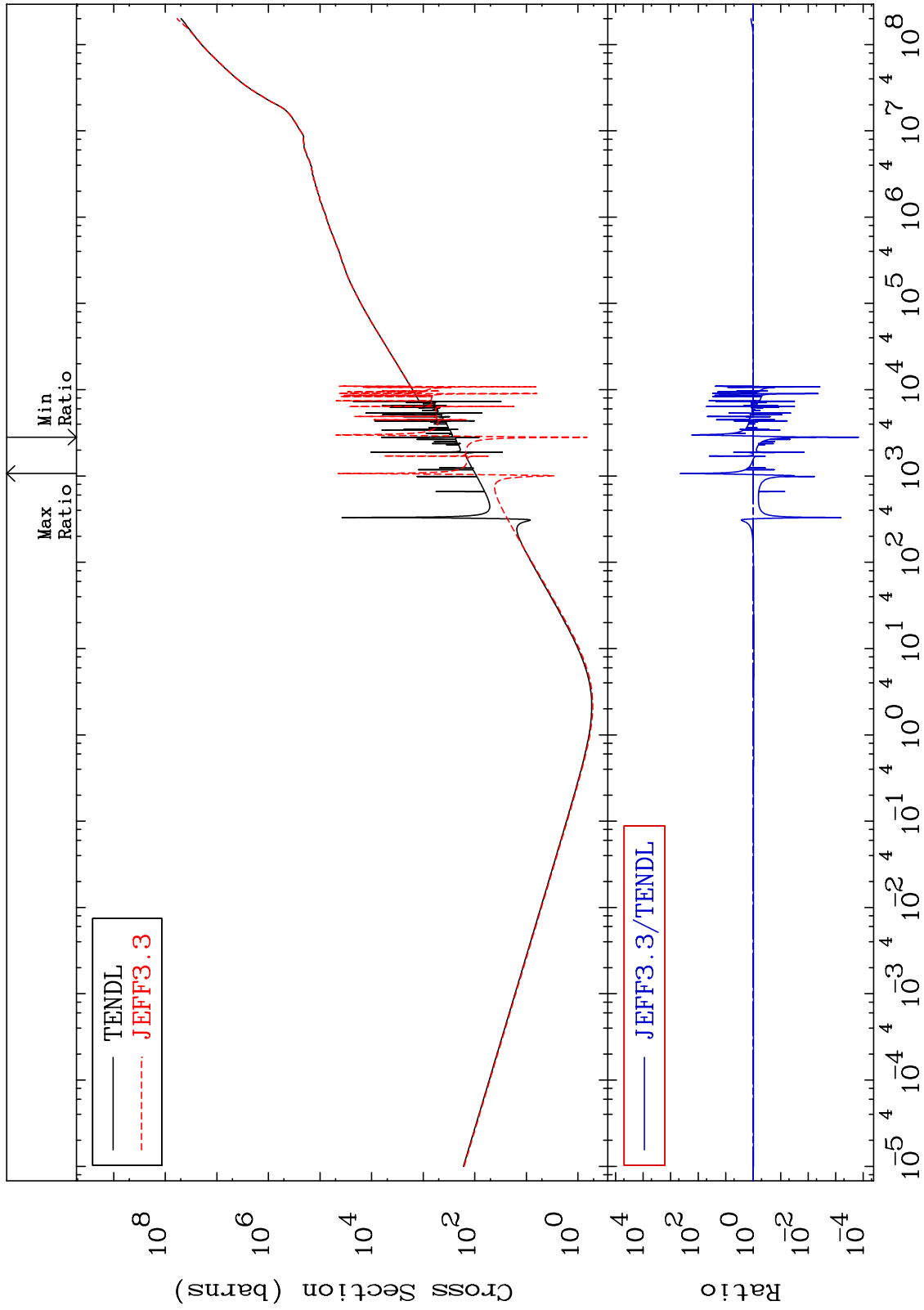
68

44-Ru-106

MAT 4455

Total kinematic kerma (high limit)  
Cross Section

44-Ru-106  
-99.99 To 9999. %



69

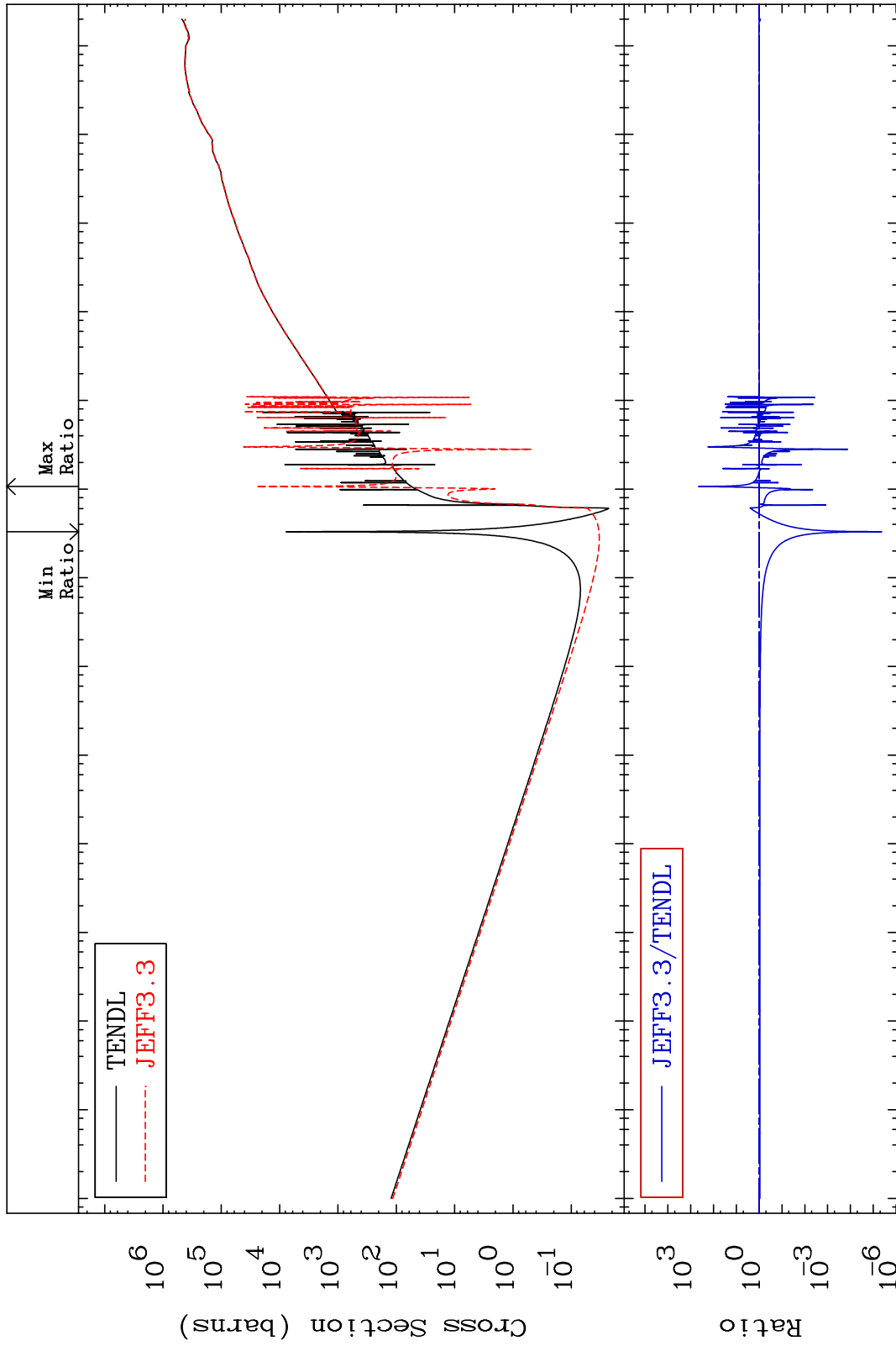
Incident Energy (eV)

44-Ru-106

MAT 4455

Dpa total (eV-barns)  
Cross Section

44-Ru-106  
-100.0 To 9999. %



70

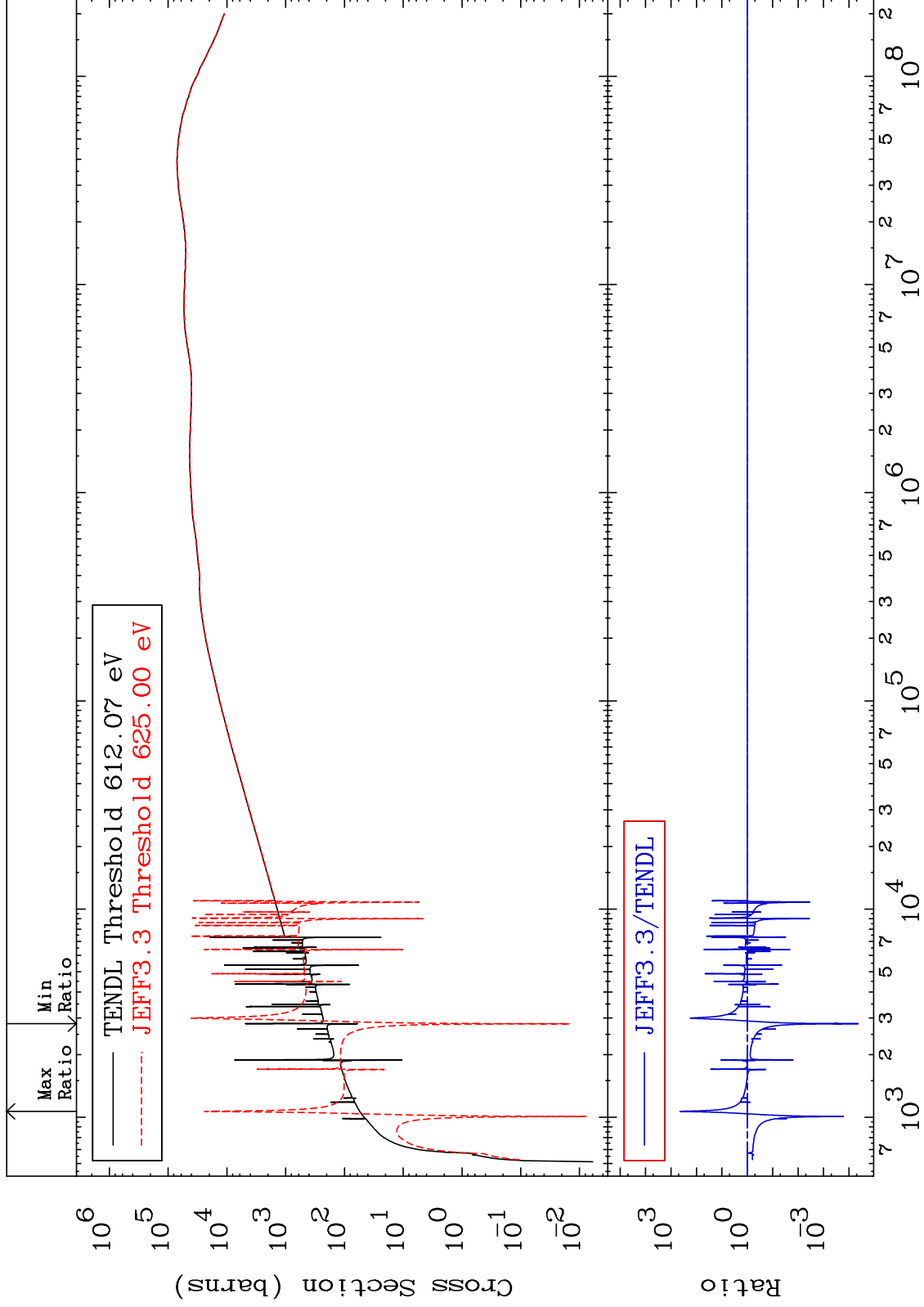
Incident Energy (eV)

44-Ru-106

MAT 4455

Dpa elastic (mt2)  
Cross Section

44-Ru-106  
-100.0 To 9999. %





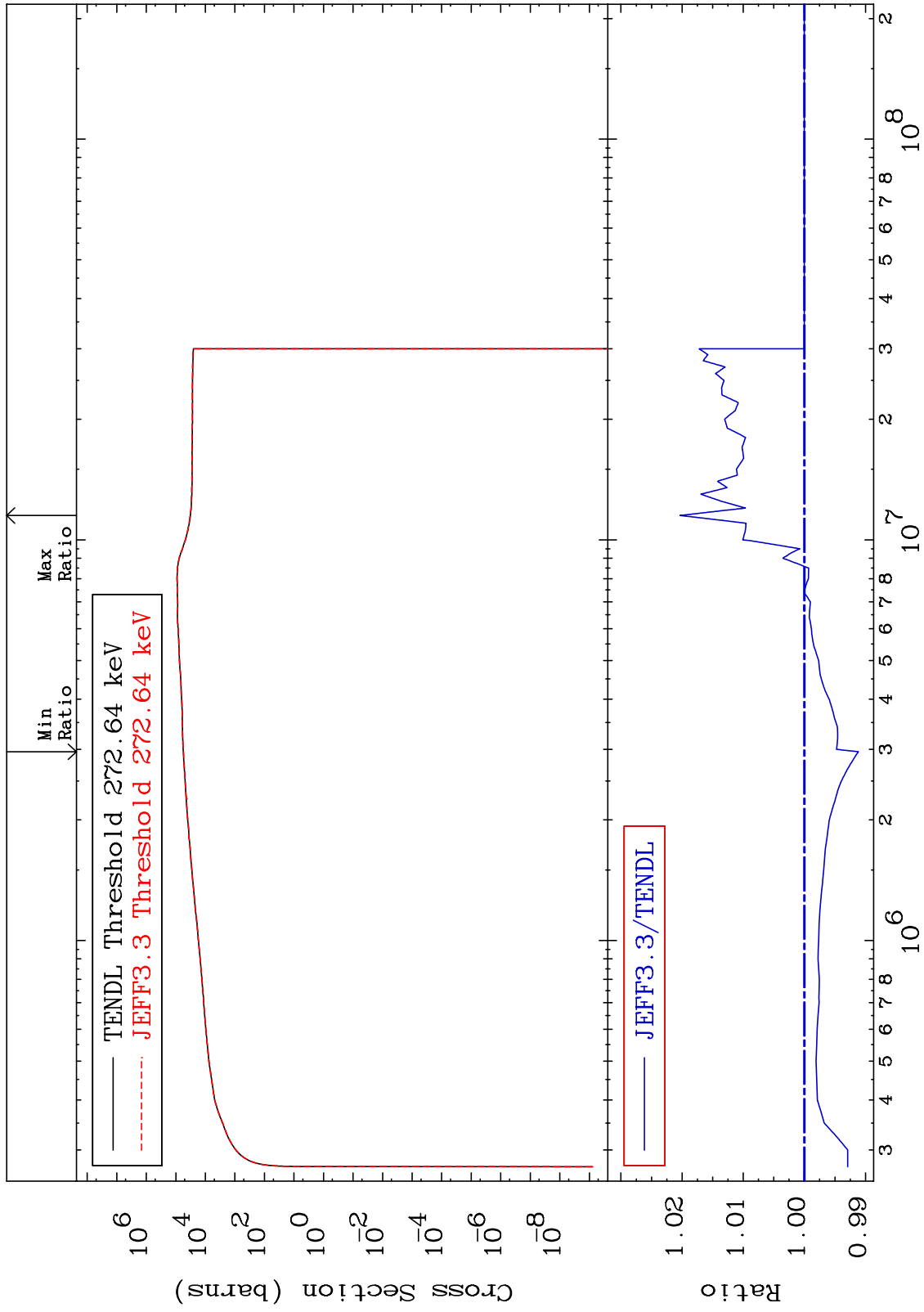
MAT 4455

Dpa inelastic (mt51-91)

44-Ru-106

-0.884 To 2.034 %

Cross Section



72

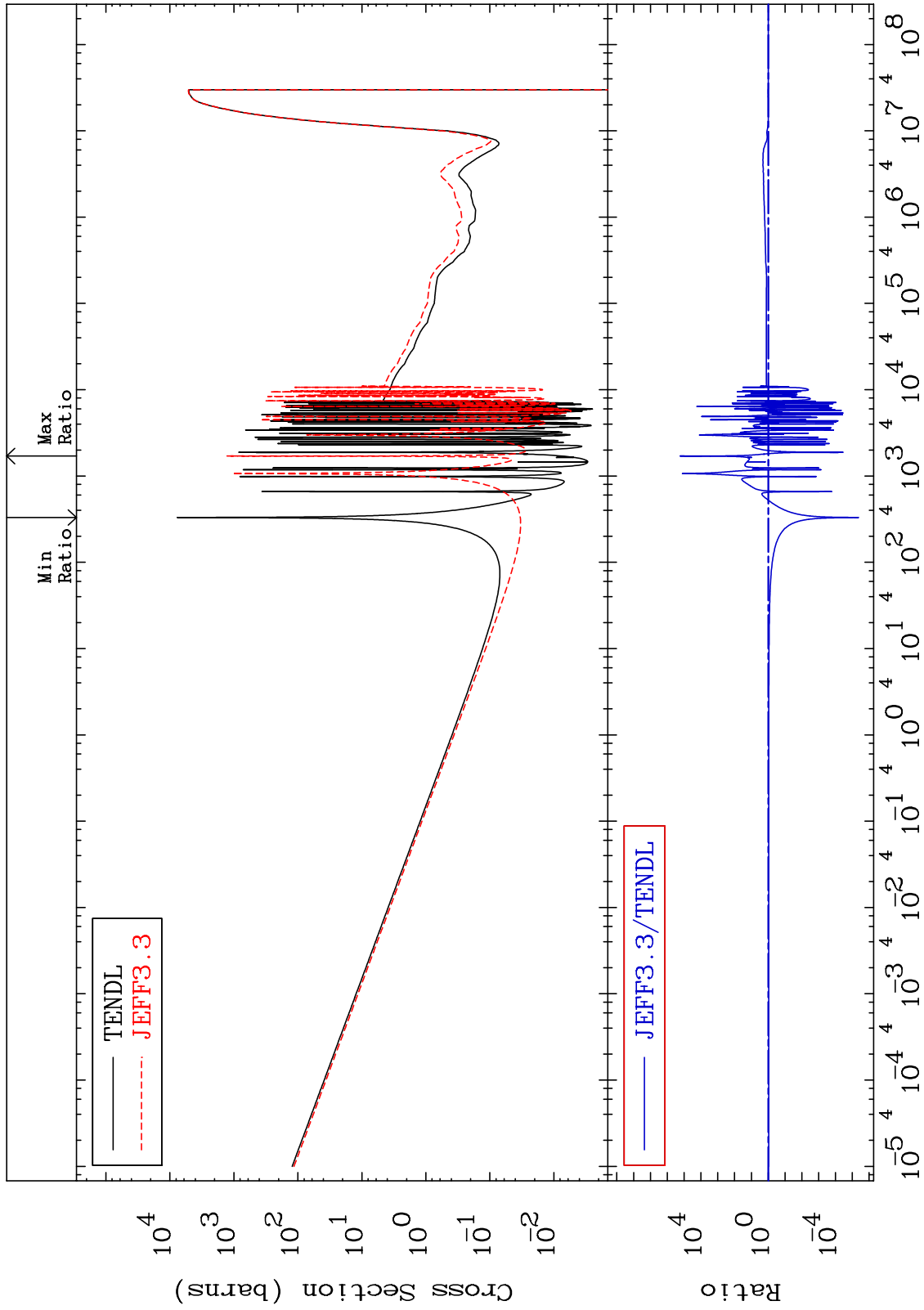
Incident Energy (eV)

44-Ru-106

MAT 4455

Dpa disappearance (mt102 -120)  
Cross Section

44-Ru-106  
-100.0 To 9999. %



73

Incident Energy (eV)

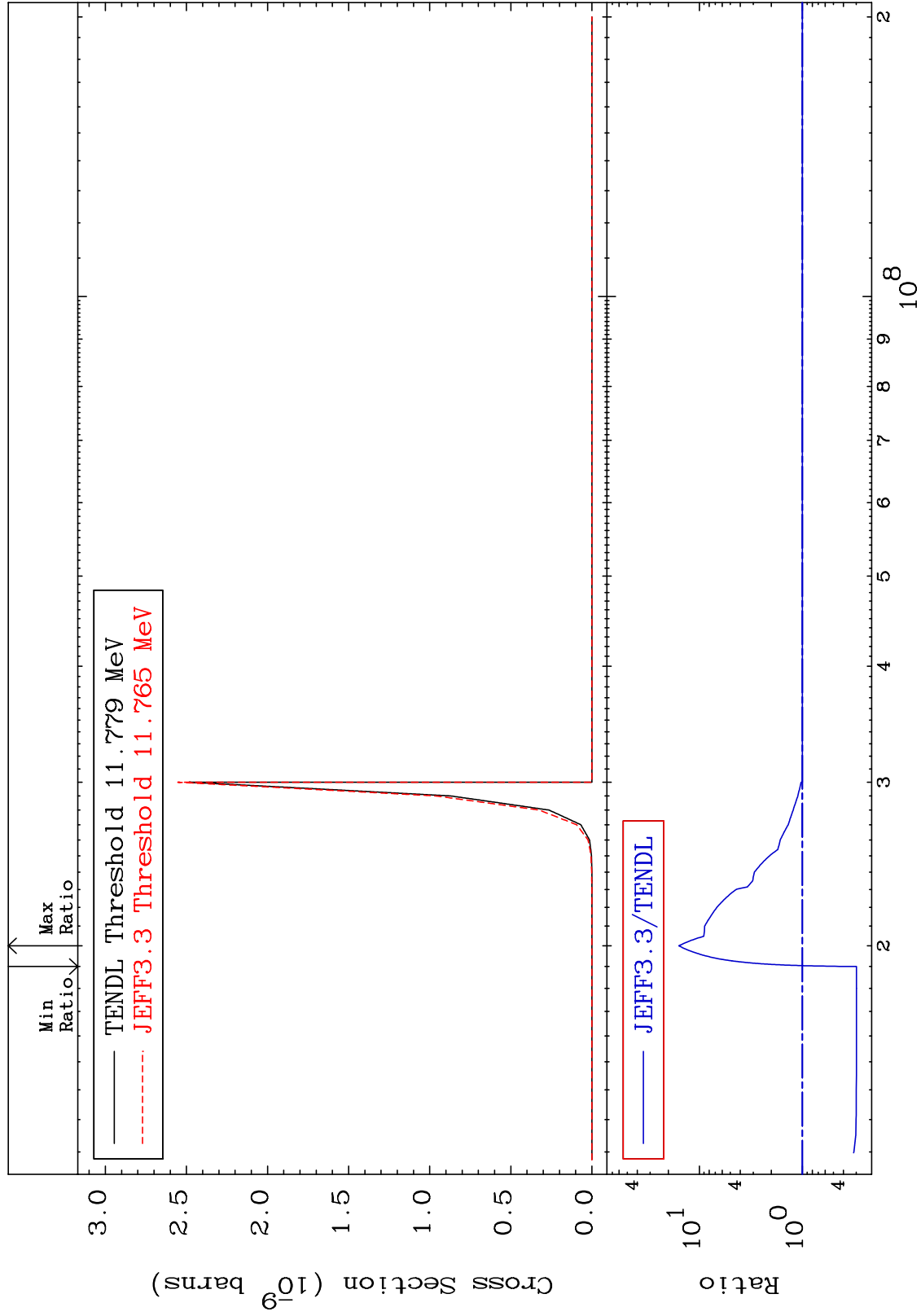
44-Ru-106

MAT 4455

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

44-Ru-106

Radionuclide Production Cross Section -70.17 To 1480. %

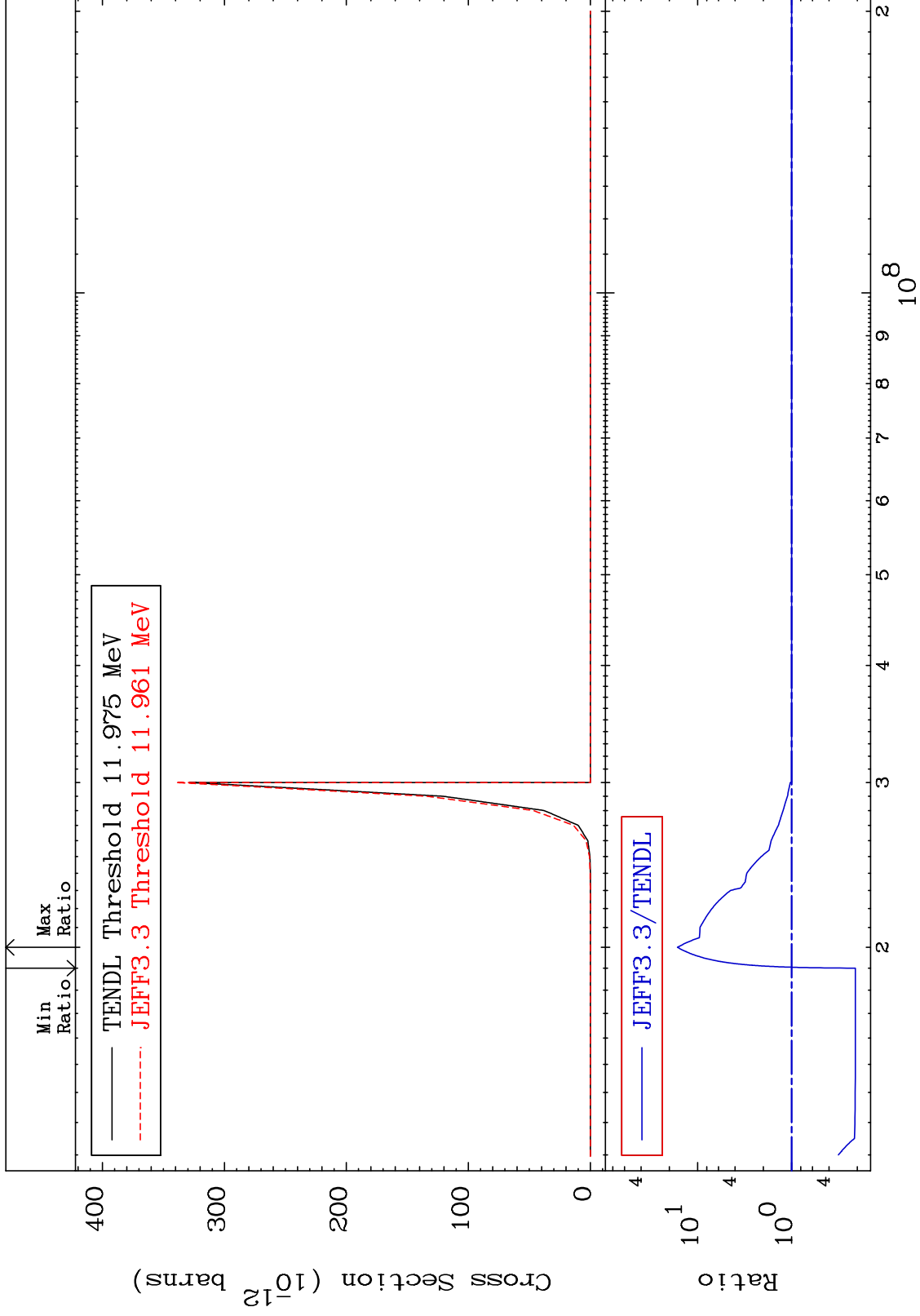


MAT 4455

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

44-Ru-106

Radionuclide Production Cross Section -79.04 To 1540. %



75

Incident Energy (eV)

44-Ru-106