

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

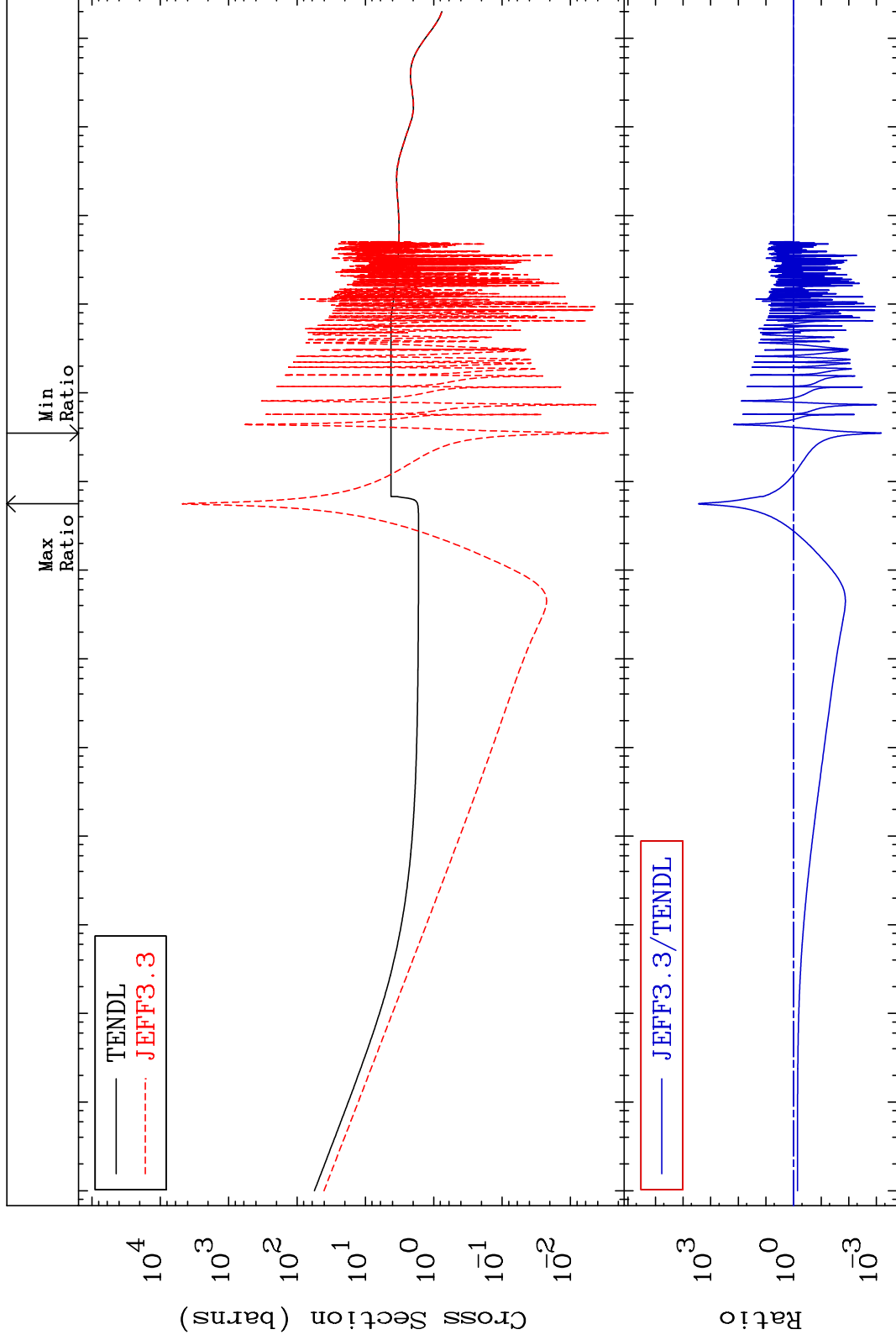
MAT 1831

Total

18-Ar-38

Cross Section

-99.93 To 9999. %



1

Incident Energy (eV)

18-Ar-38

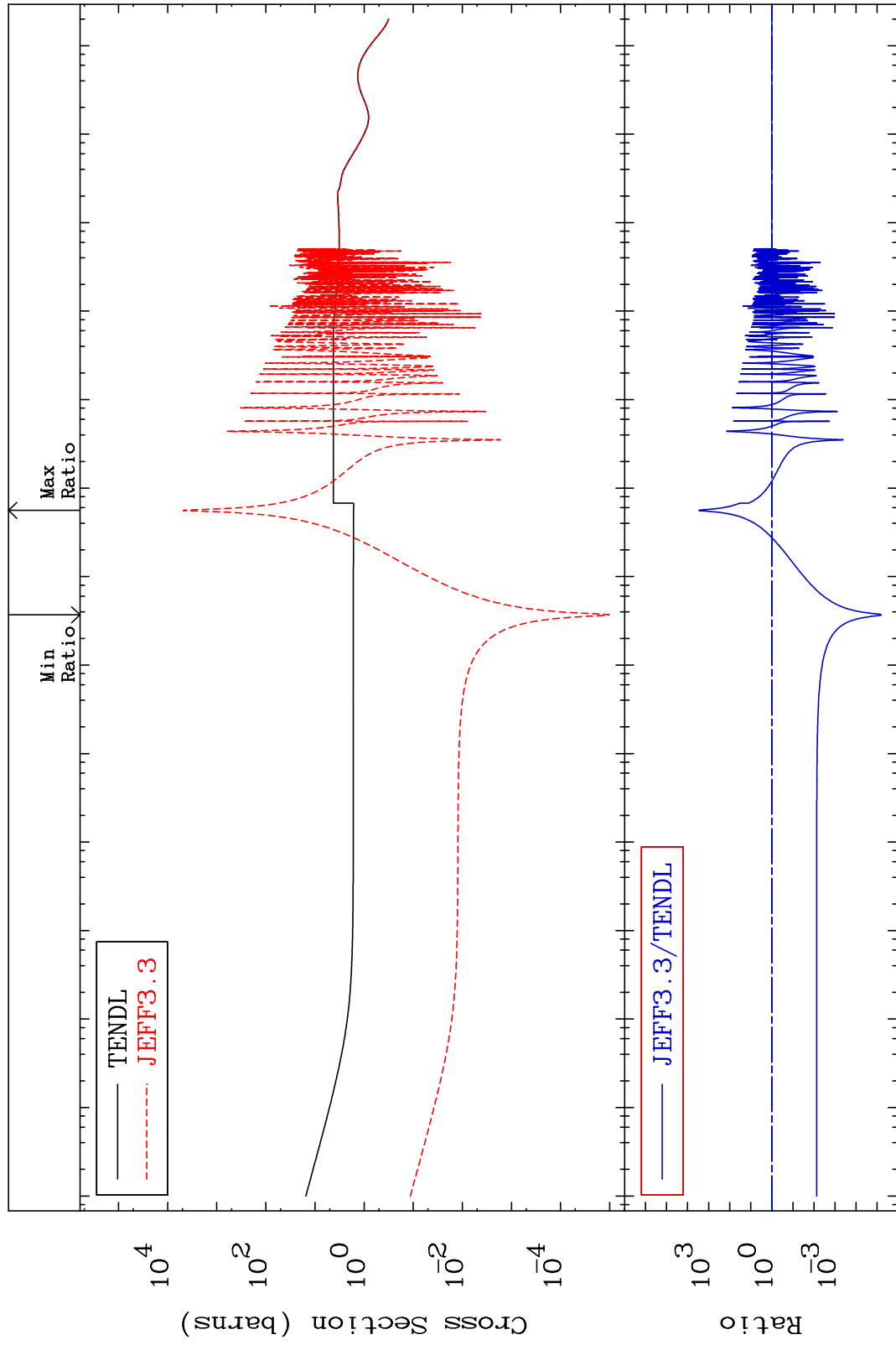
MAT 1831

Elastic

18-Ar-38

-100.0 To 9999. %

Cross Section



2

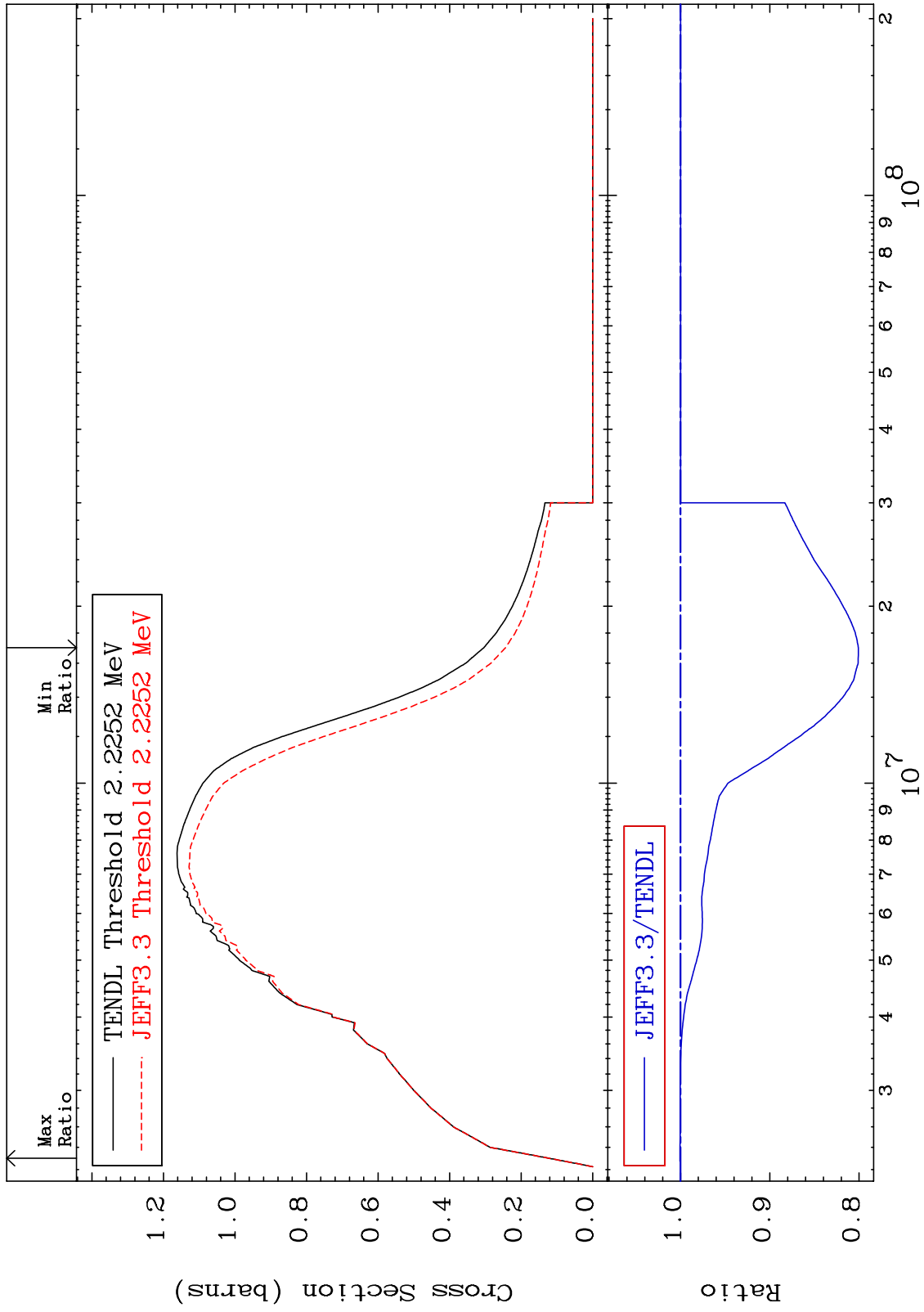
Incident Energy (eV)

18-Ar-38

MAT 1831

Inelastic  
Cross Section

18-Ar-38  
-19.92 To 0.055 %



3

Incident Energy (eV)

18-Ar-38

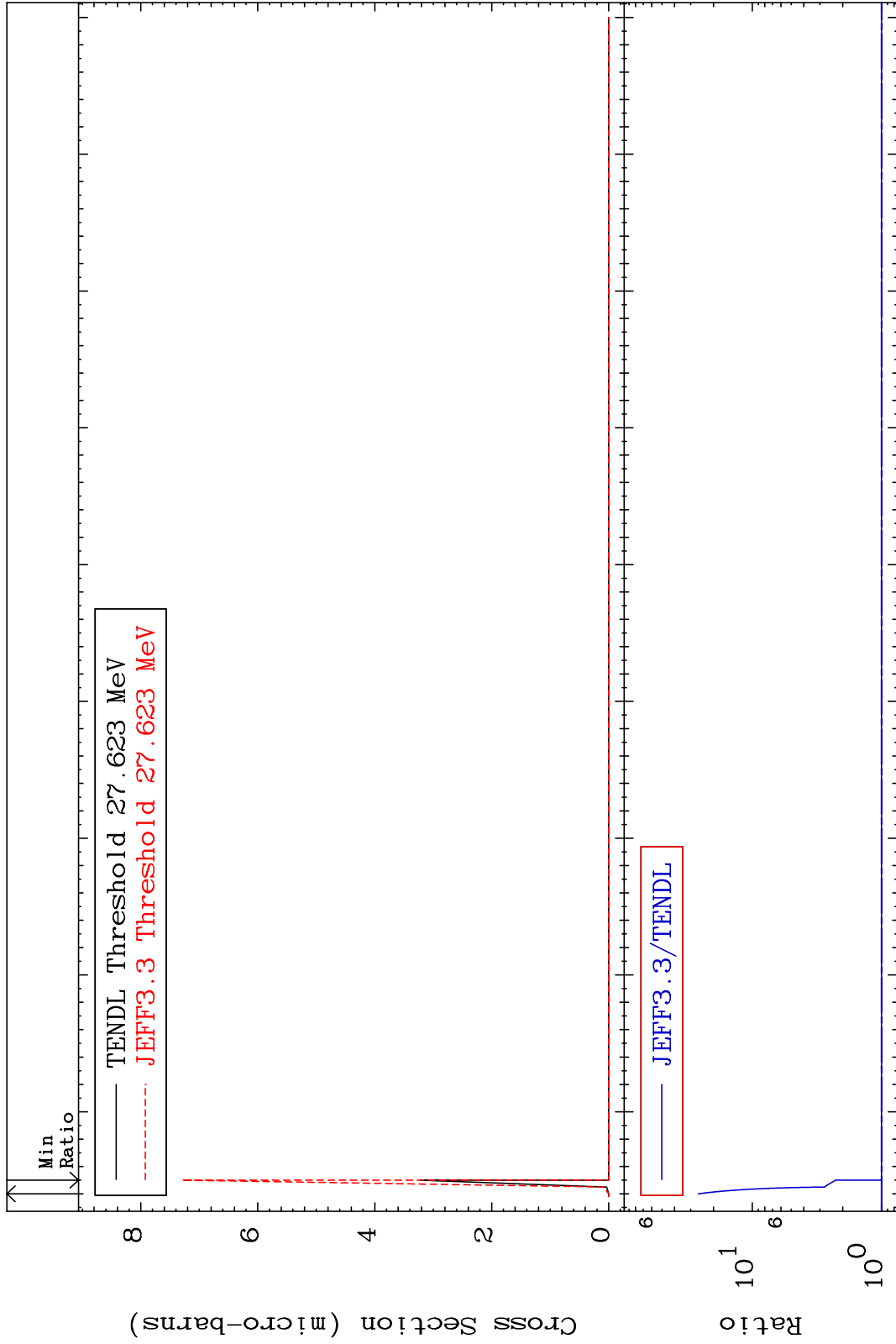
MAT 1831

(n,2n) d

18-Ar-38

Cross Section

0.000 To 2516. %



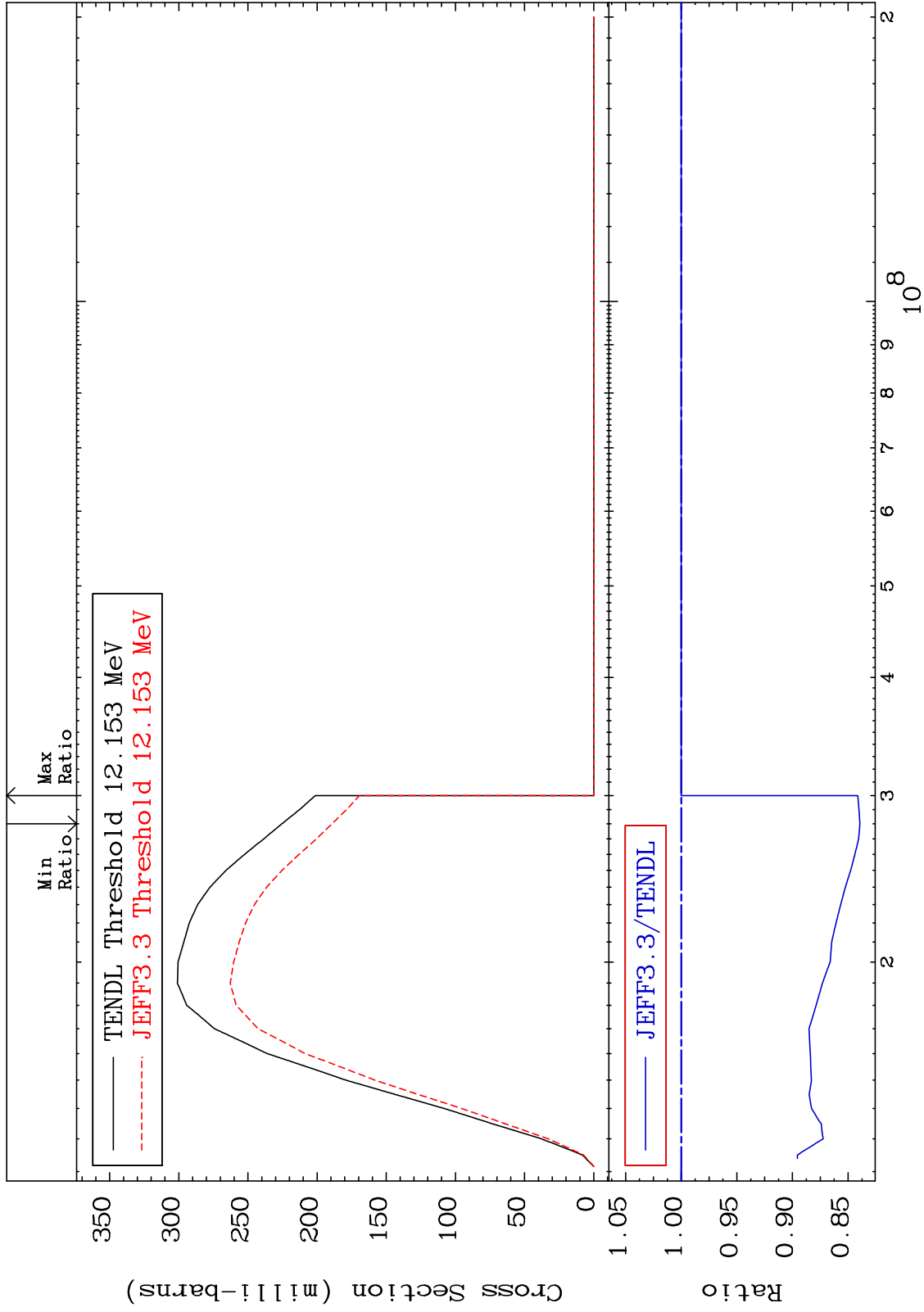
MAT 1831

(n, 2n)

18-Ar-38

Cross Section

-16.06 To 0.000 %



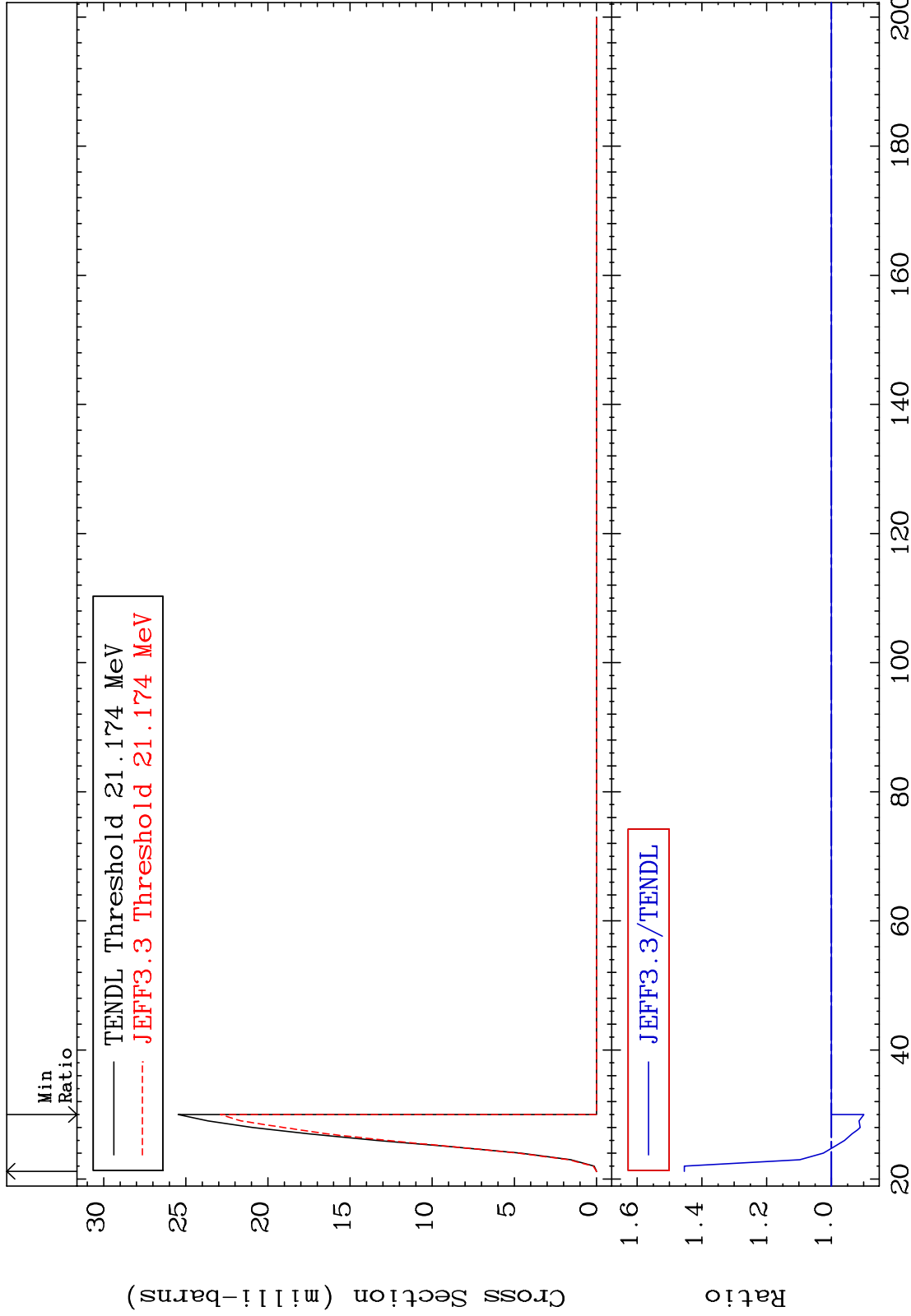
MAT 1831

(n,3n)

18-Ar-38

Cross Section

-10.05 To 45.39 %



6

Incident Energy (MeV)

18-Ar-38

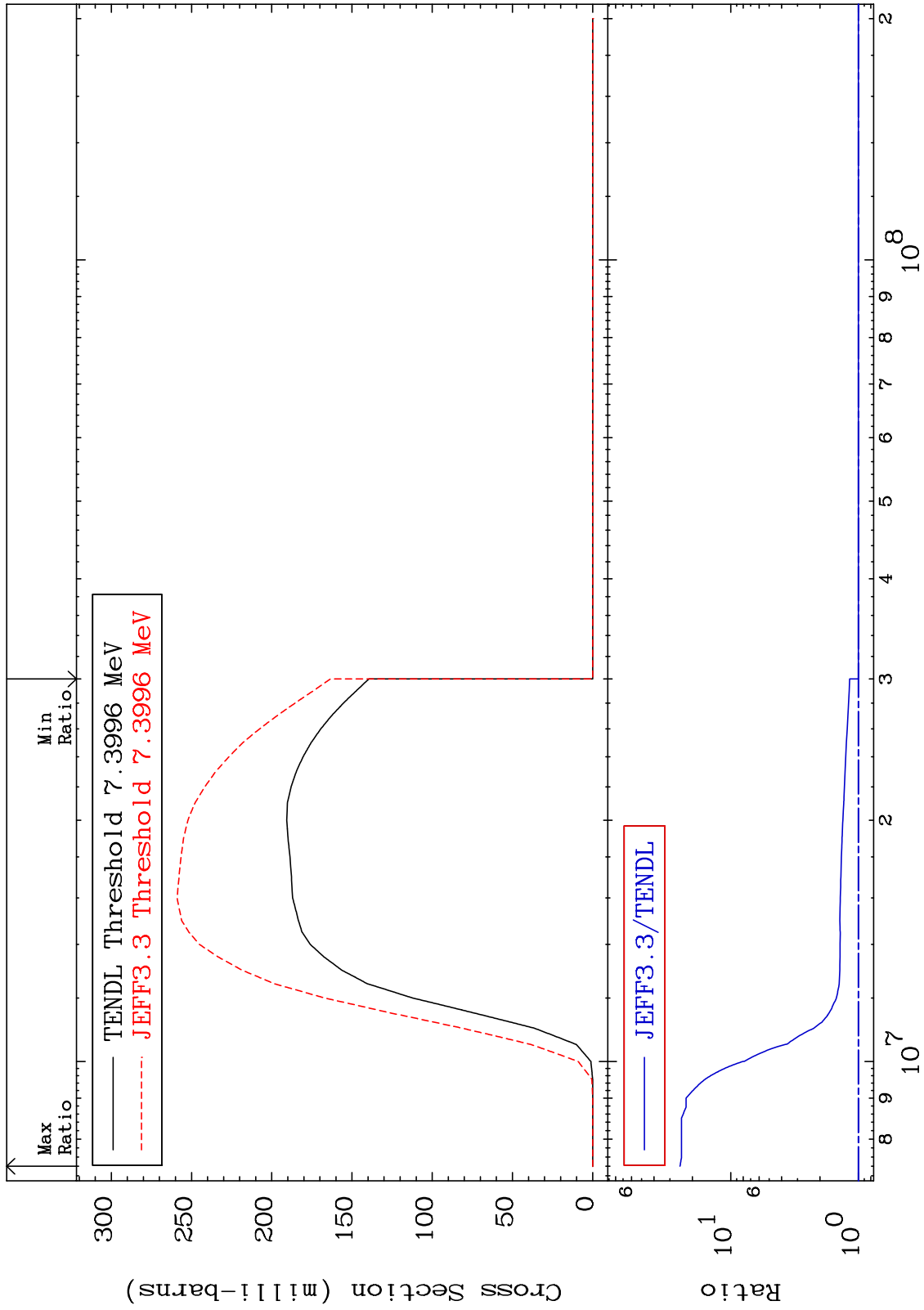
MAT 1831

(n,n')  $\alpha$

18-Ar-38

Cross Section

0.000 To 2399. %



7

Incident Energy (eV)

18-Ar-38



MAT 1831

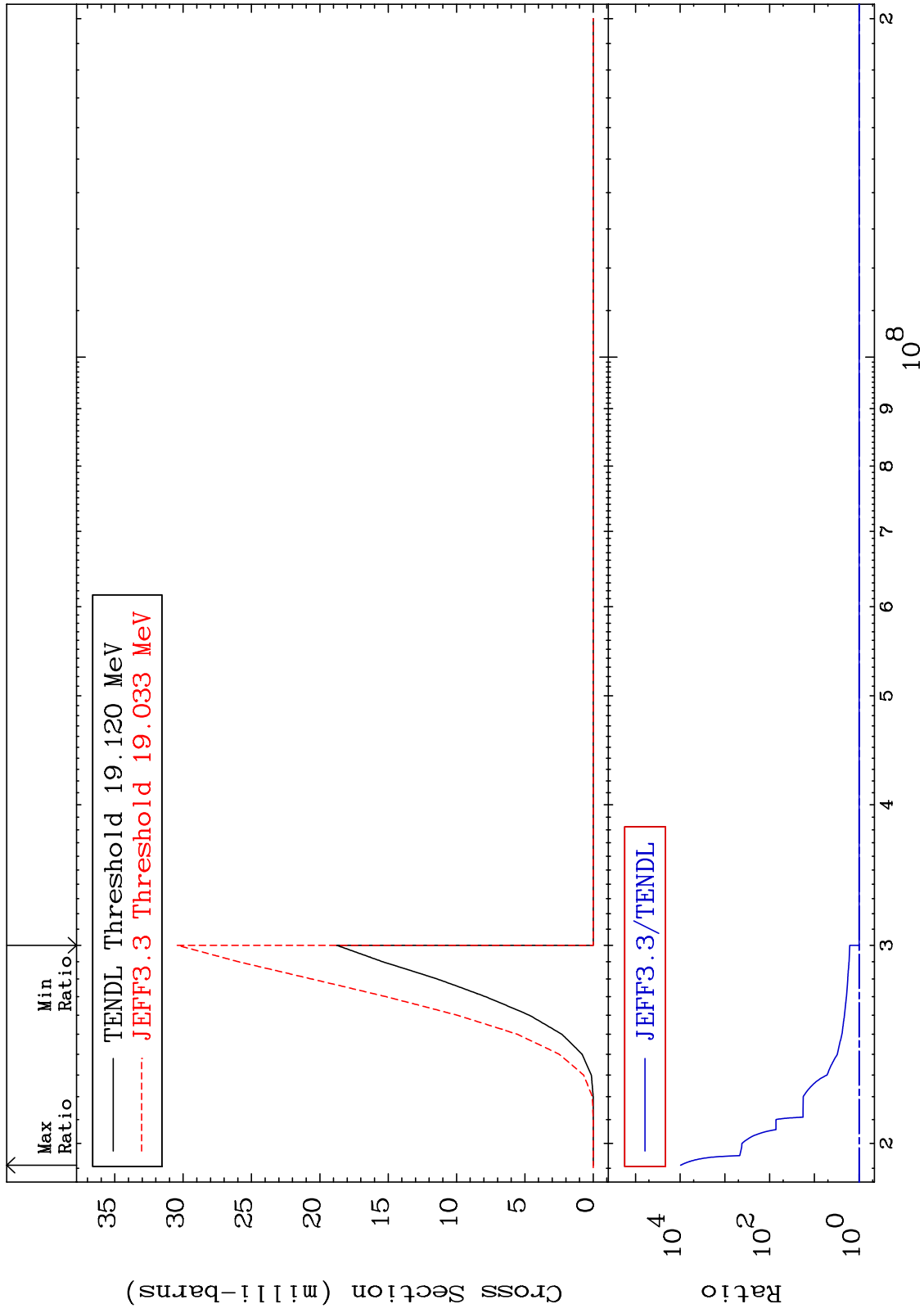
(n,2n)  $\alpha$

18-Ar-38

Cross Section

0.000

To 9999. %



8

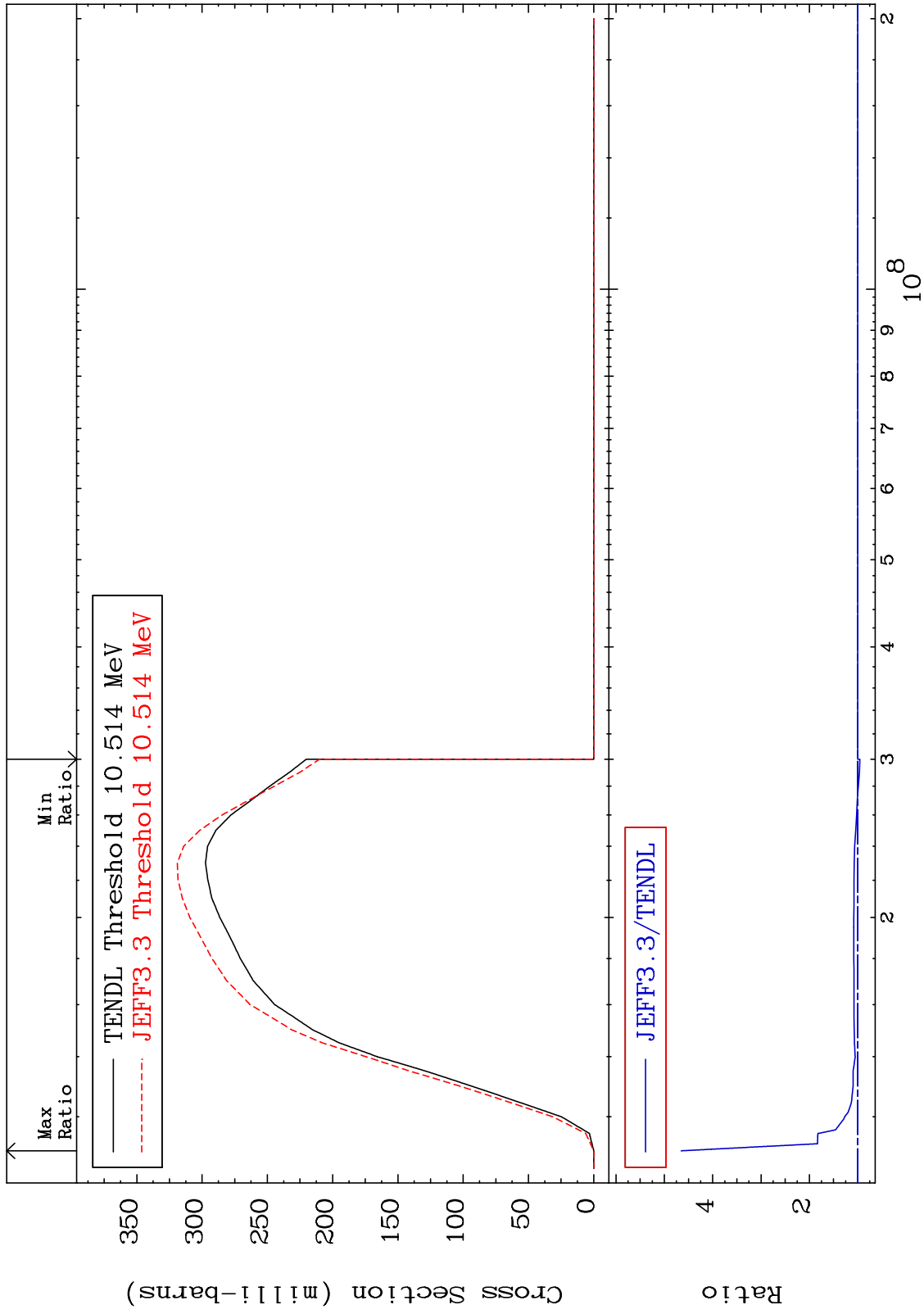
Incident Energy (eV)

18-Ar-38

MAT 1831

(n,n') p  
Cross Section

18-Ar-38  
-4.582 To 365.0 %



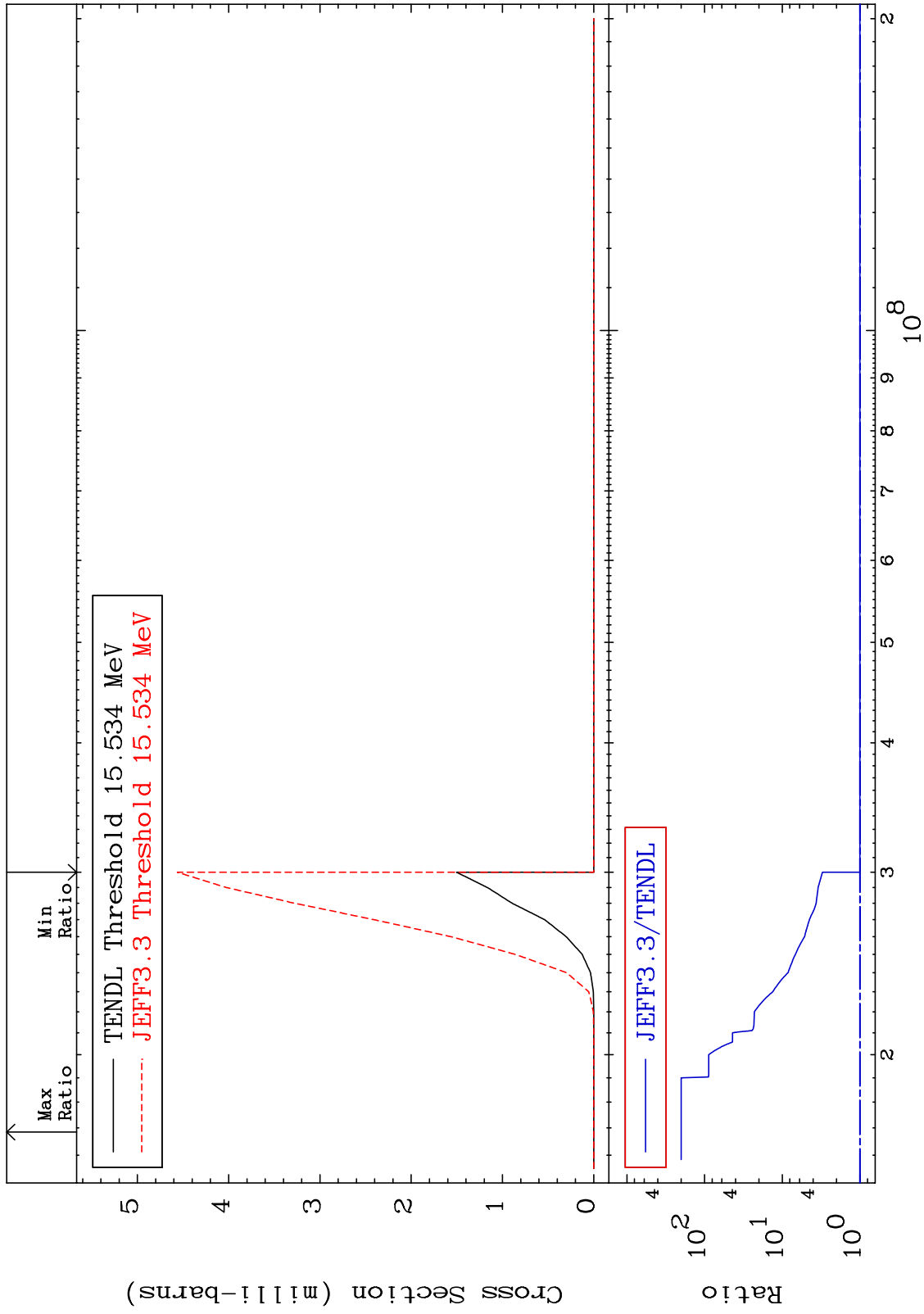
MAT 1831

(n,n')  $2\alpha$

18-Ar-38

Cross Section

0.000 To 9999. %



10

Incident Energy (eV)

18-Ar-38

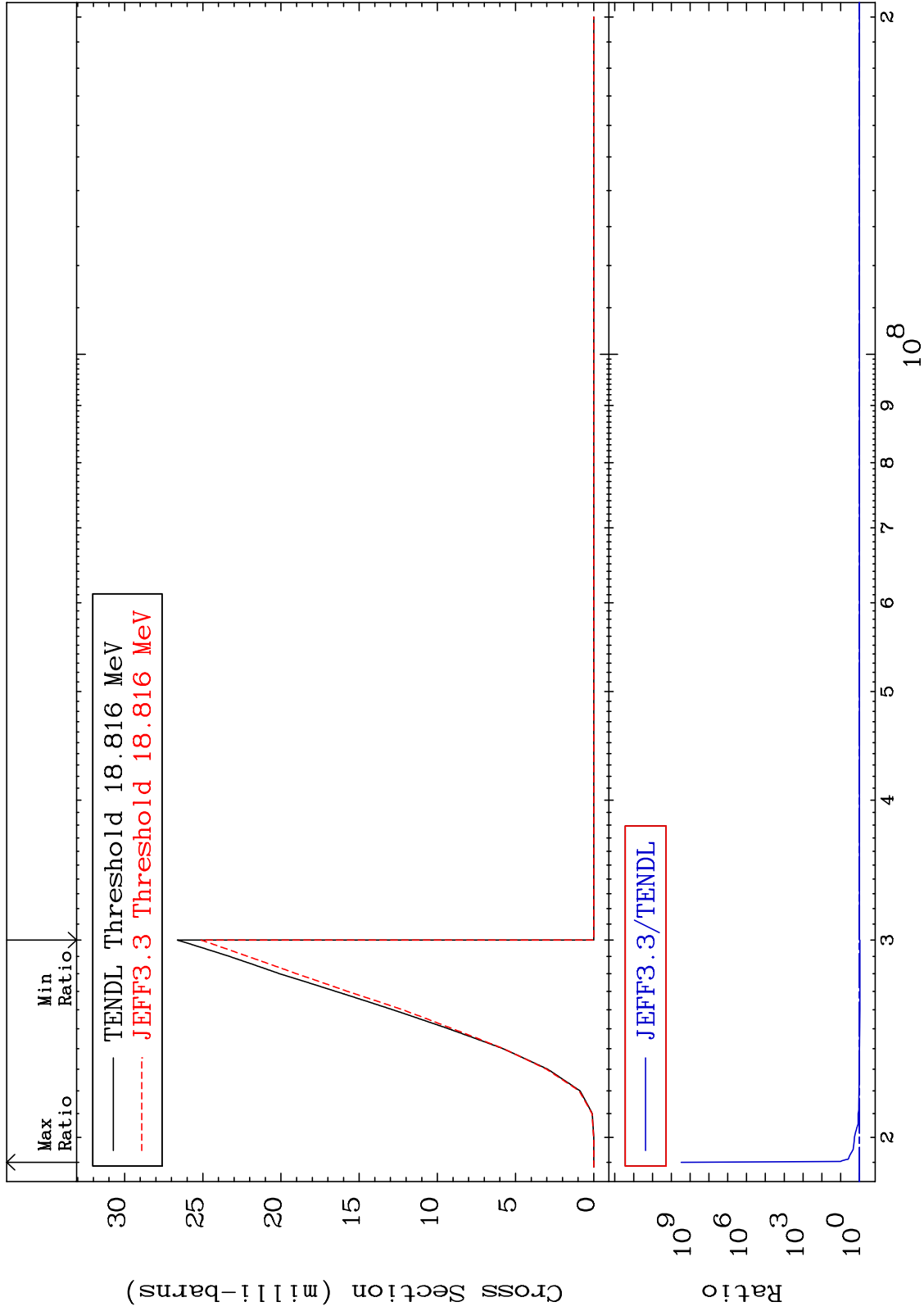
MAT 1831

(n, n') d

18-Ar-38

Cross Section

-5.688 To 9999. %



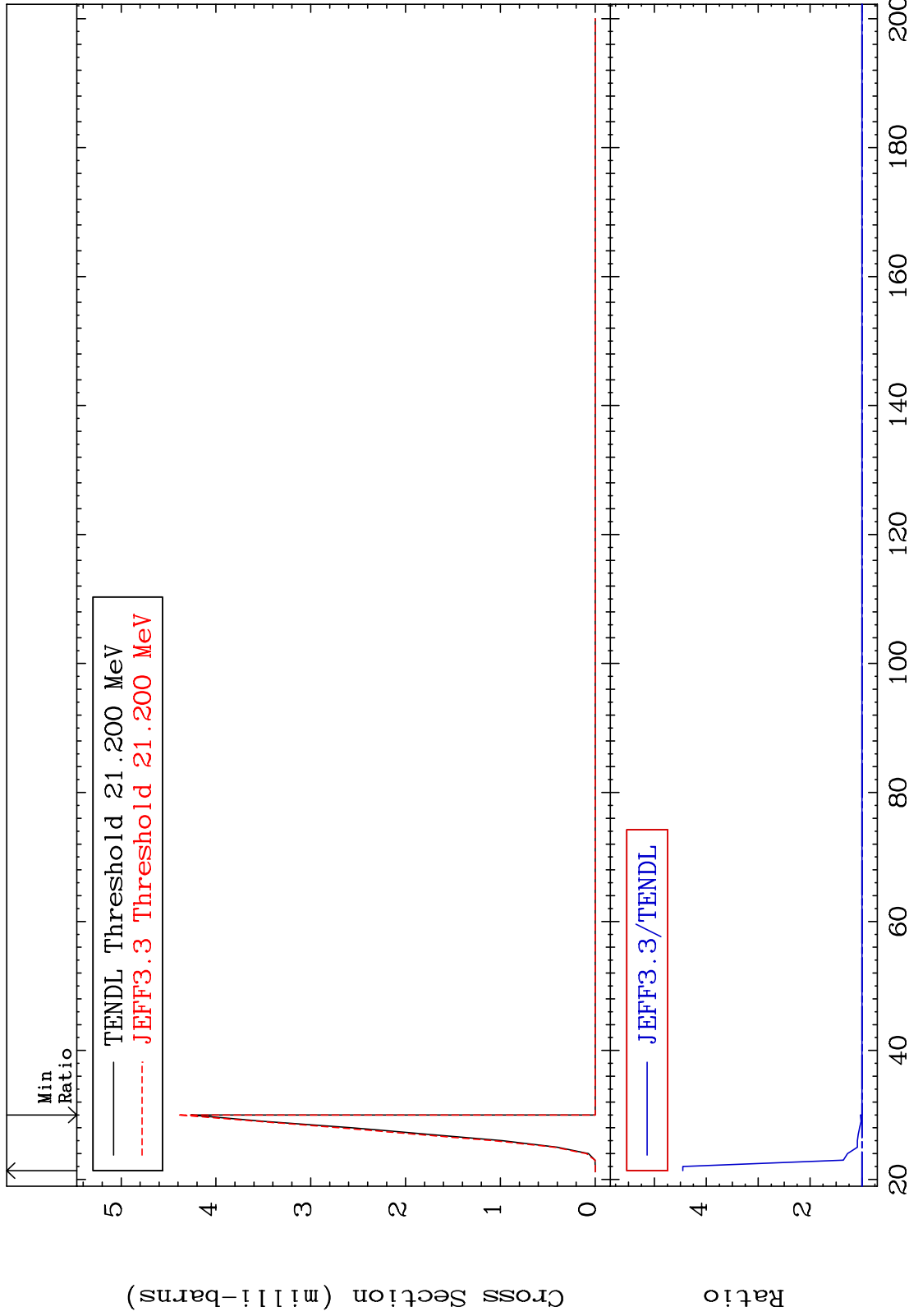
MAT 1831

(n,n') t

18-Ar-38

Cross Section

0.000 To 345.1 %



18-Ar-38

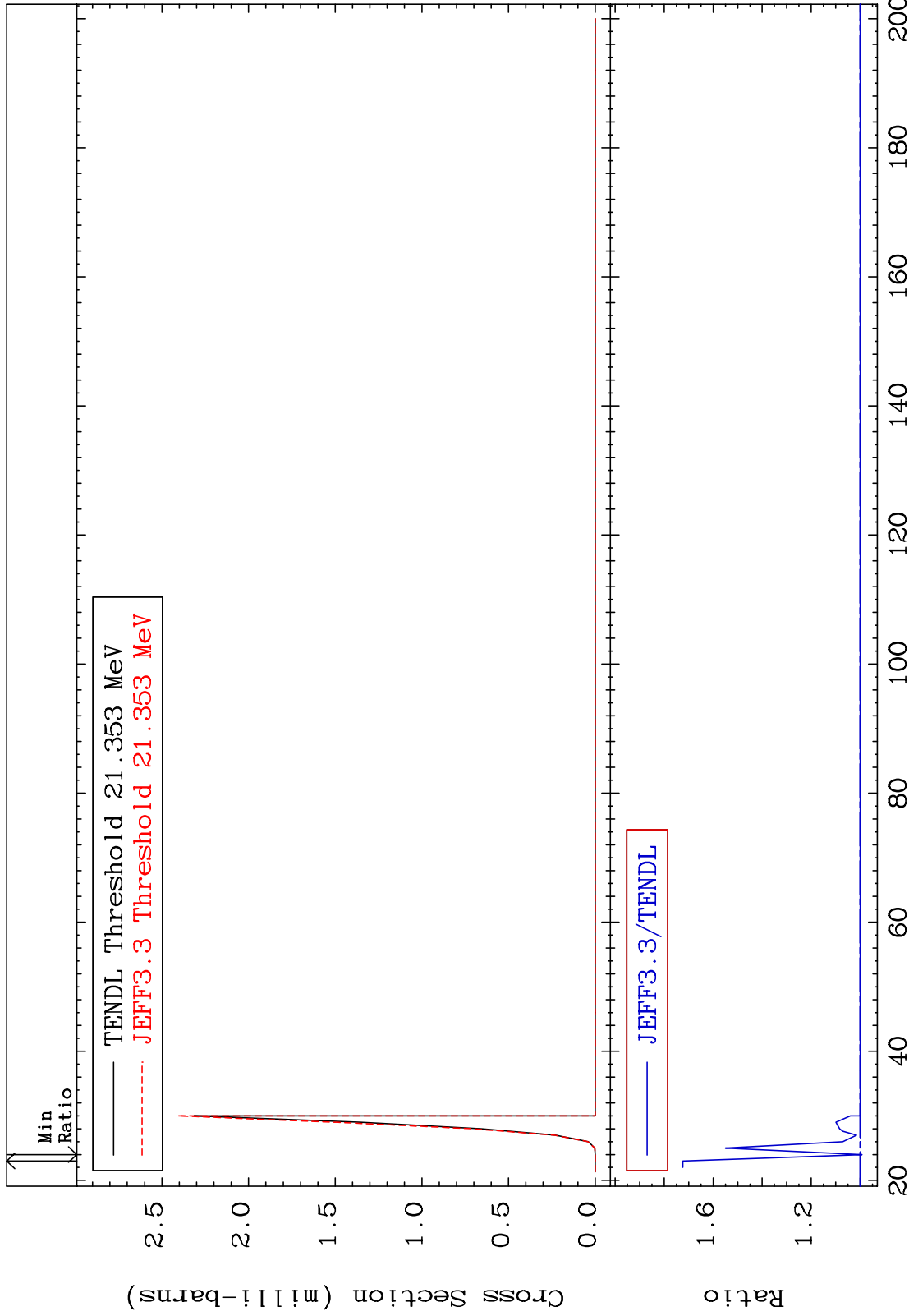
Incident Energy (MeV)

12

MAT 1831

(n, n') He-3  
Cross Section

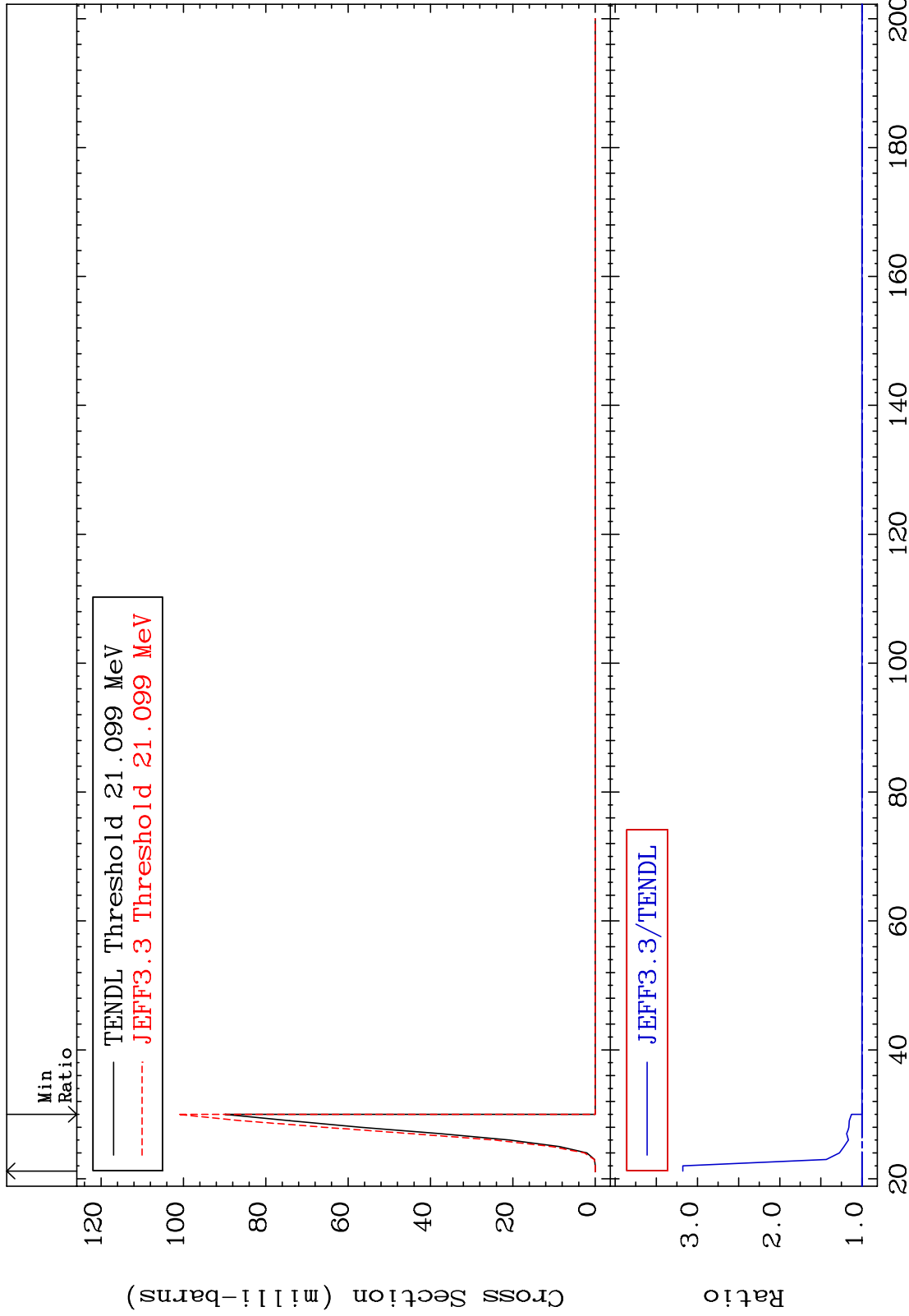
18-Ar-38  
-0.749 To 72.38 %



MAT 1831

(n,2n) p  
Cross Section

18-Ar-38  
0.000 To 217.7 %



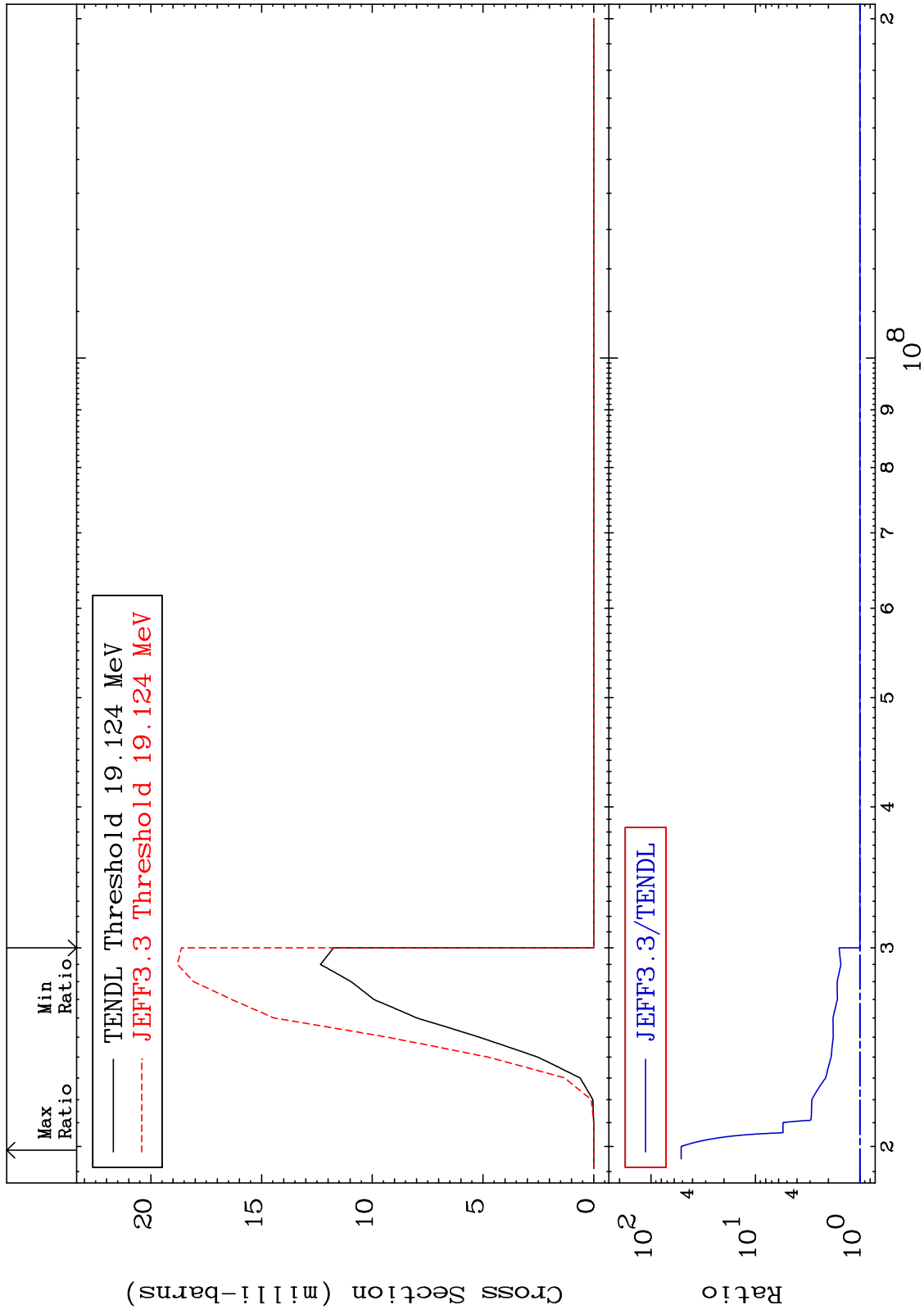
MAT 1831

(n,2n) p

18-Ar-38

Cross Section

0.000 To 5043. %



15

Incident Energy (eV)

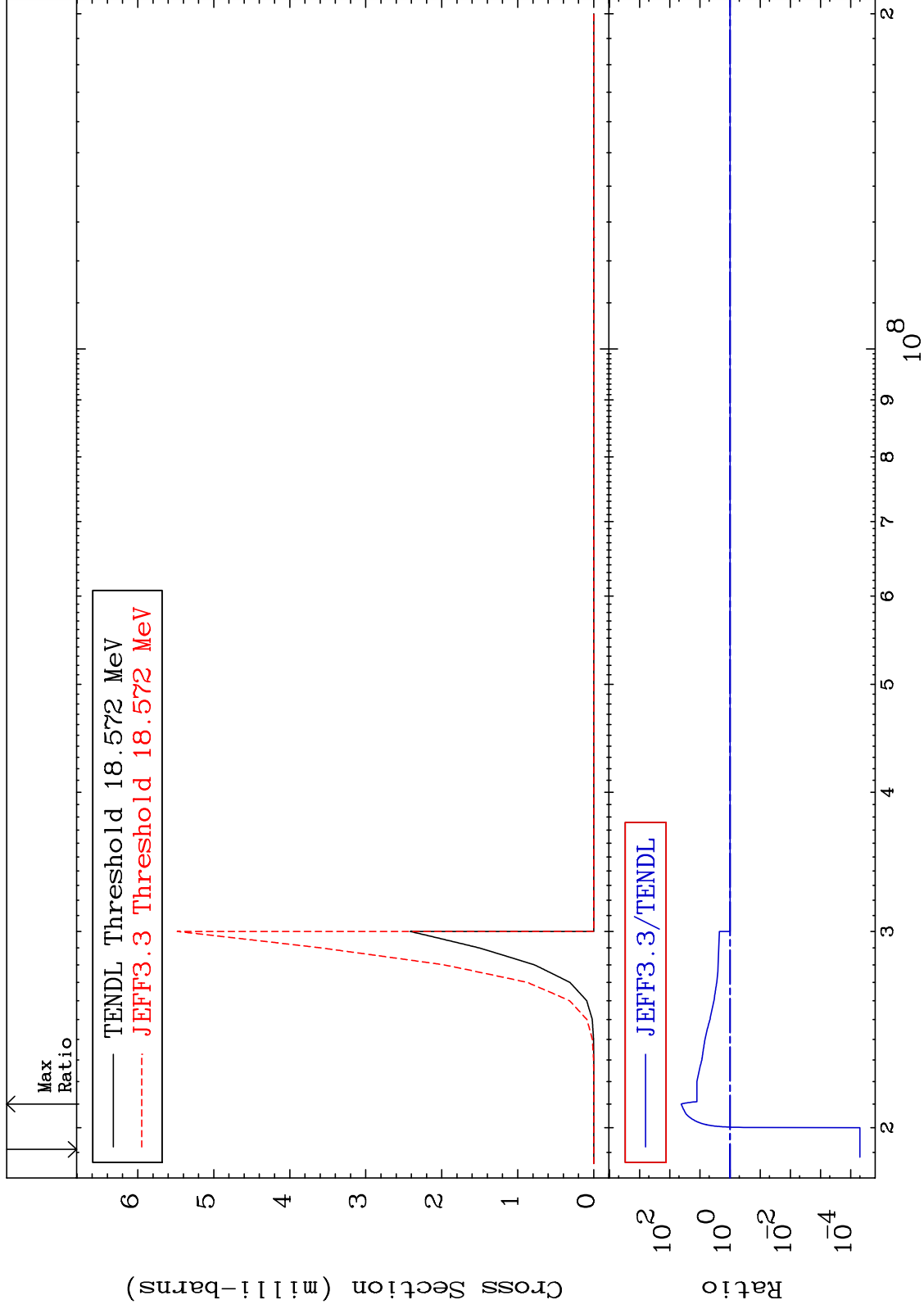
18-Ar-38



MAT 1831

(n,n') p  $\alpha$   
Cross Section

18-Ar-38  
-100.0 To 4090. %



16

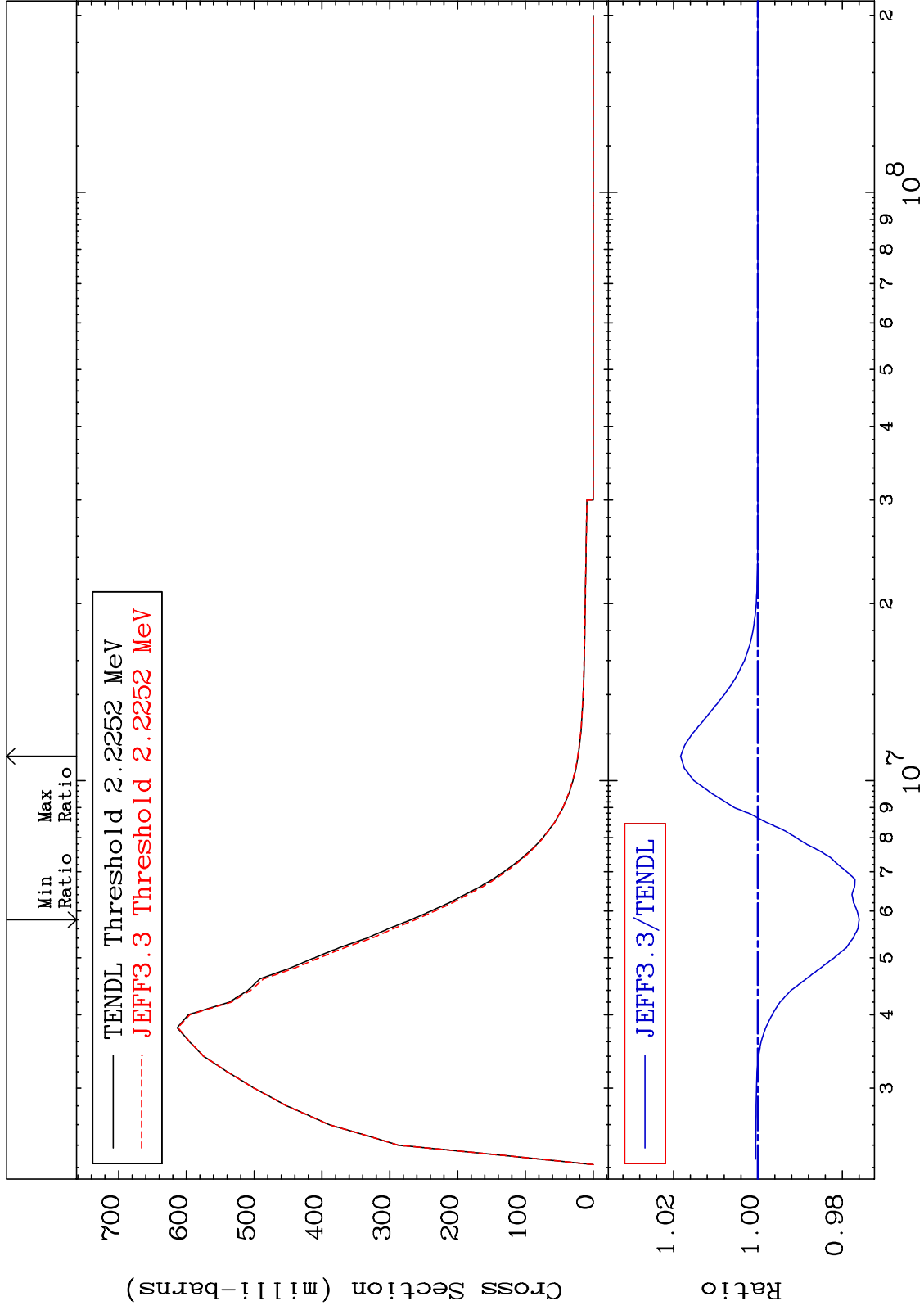
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38  
-2.401 To 1.831 %



17

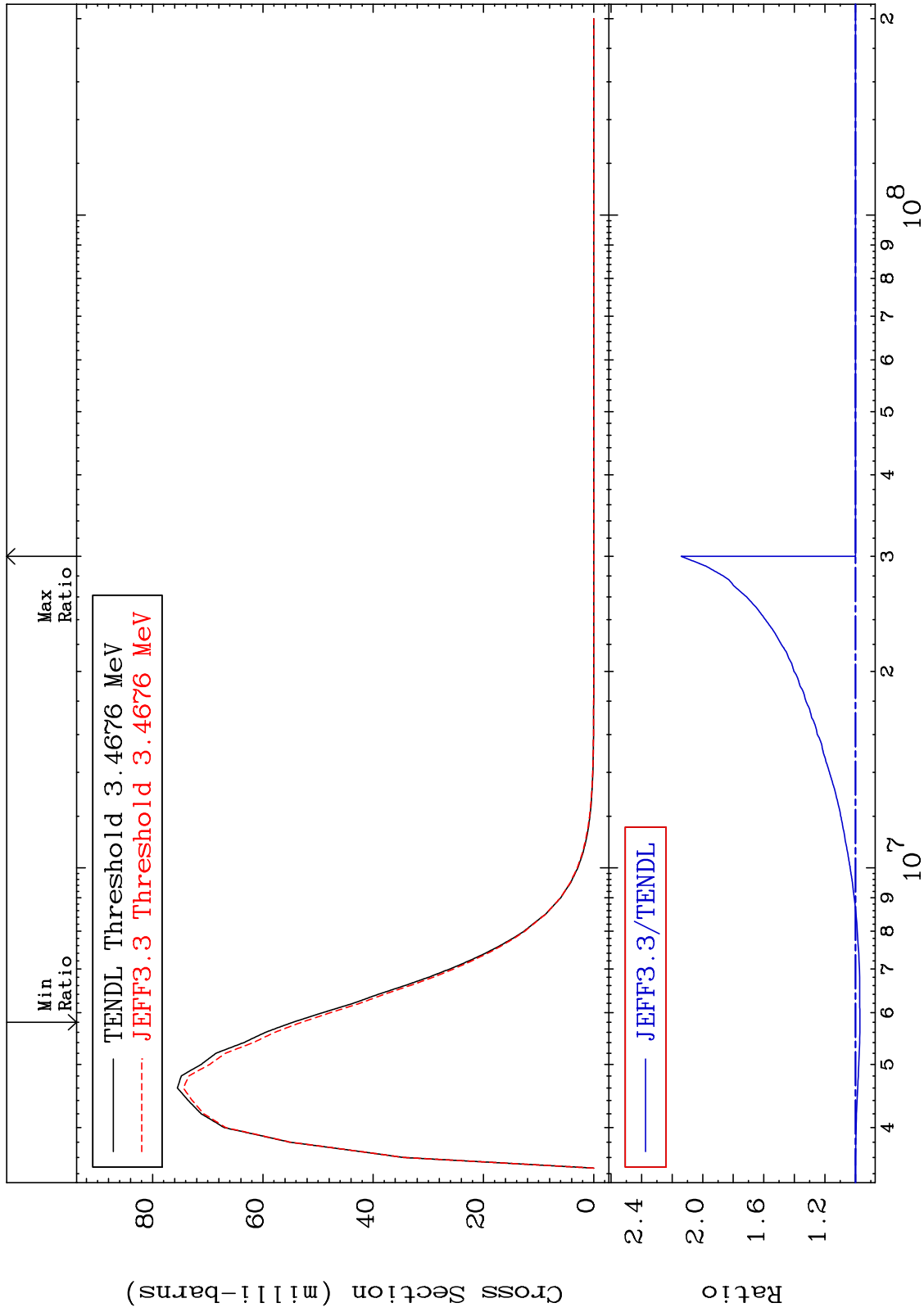
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38  
-2.923 To 114.1 %



18

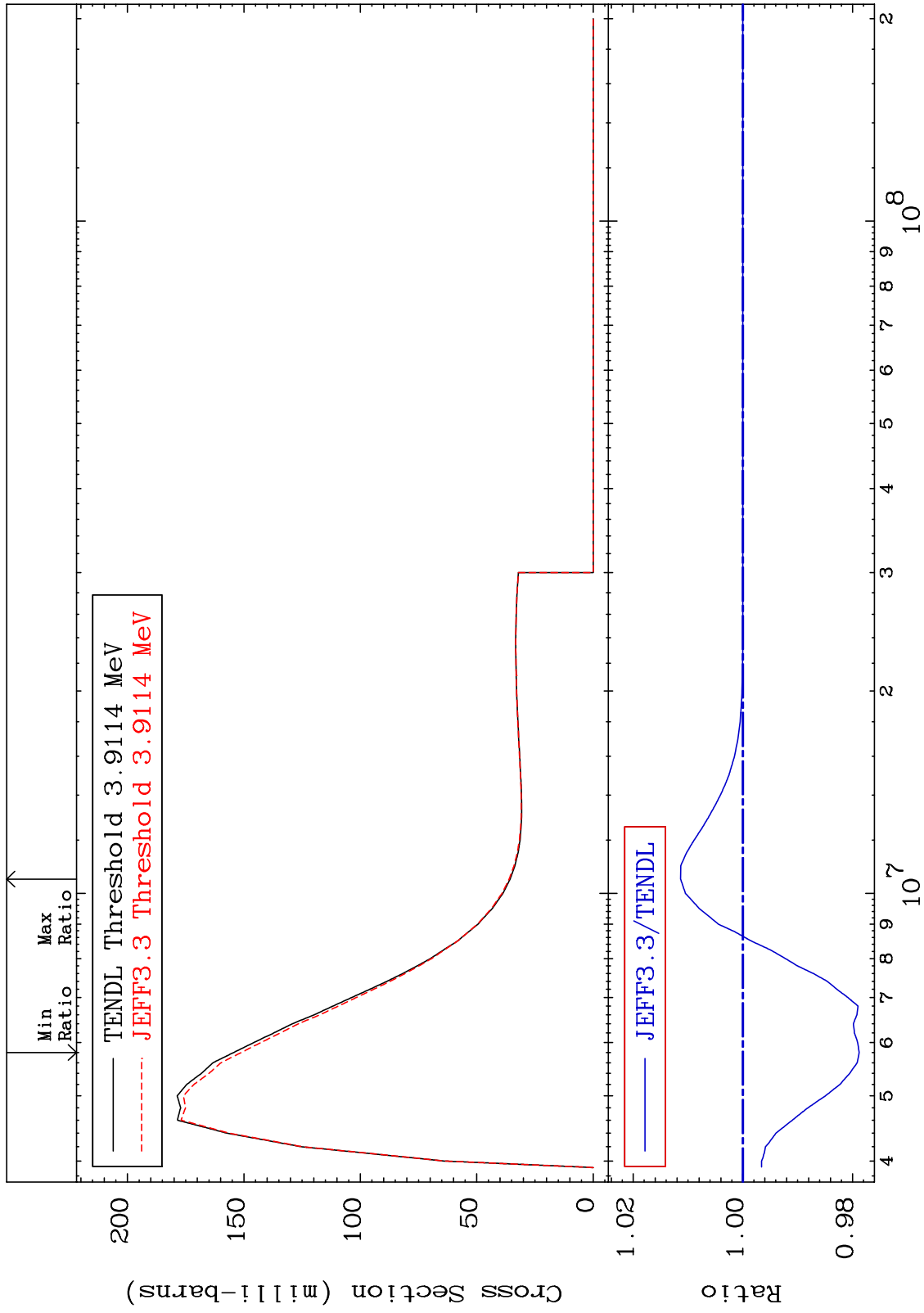
Incident Energy (eV)

18-Ar-38

MAT 1831

MT= 53 (n,n') Level  
Cross Section

18-Ar-38  
-2.122 To 1.135 %



19

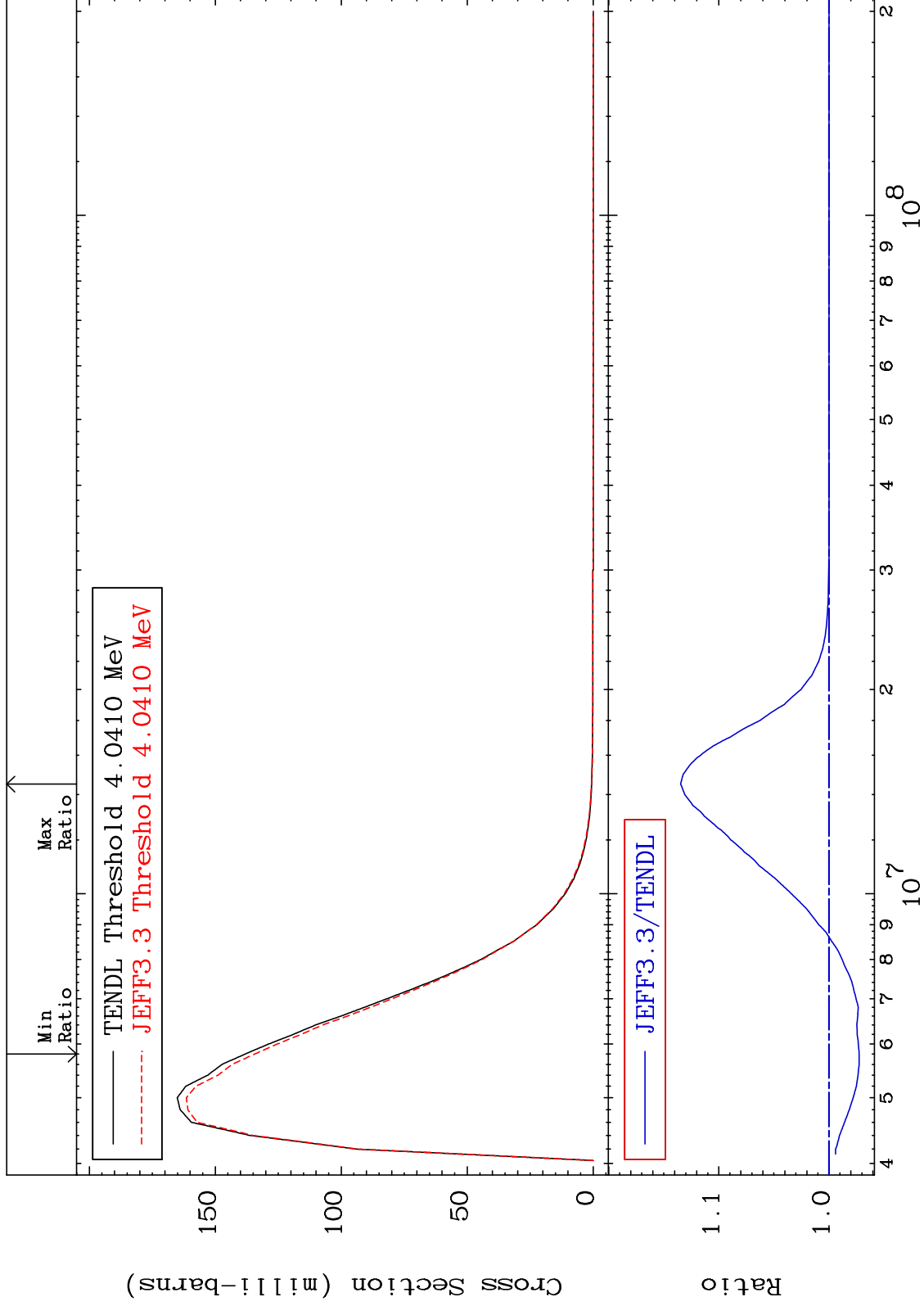
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38  
-2.748 To 13.47 %



20

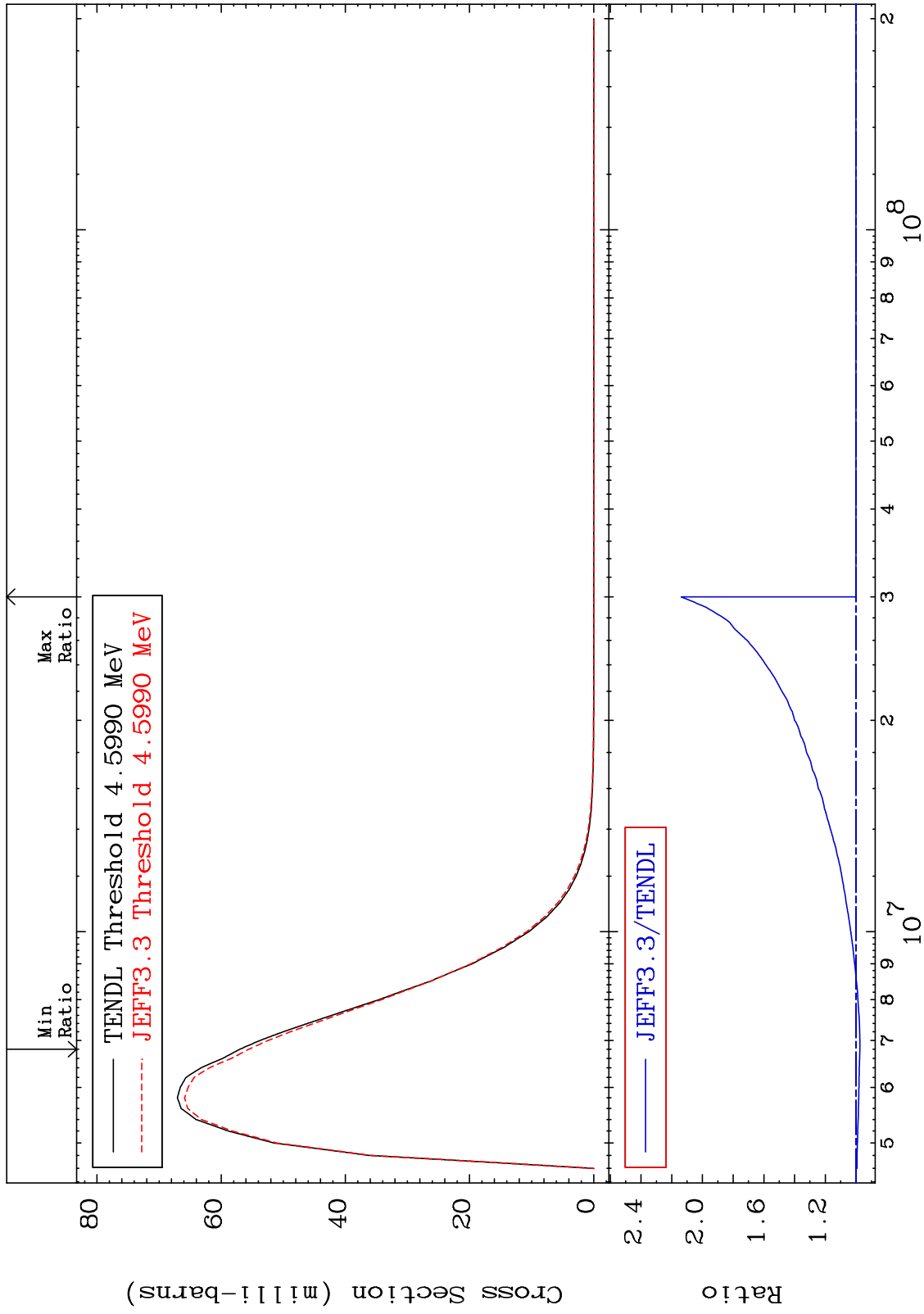
Incident Energy (eV)

18-Ar-38

MAT 1831

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

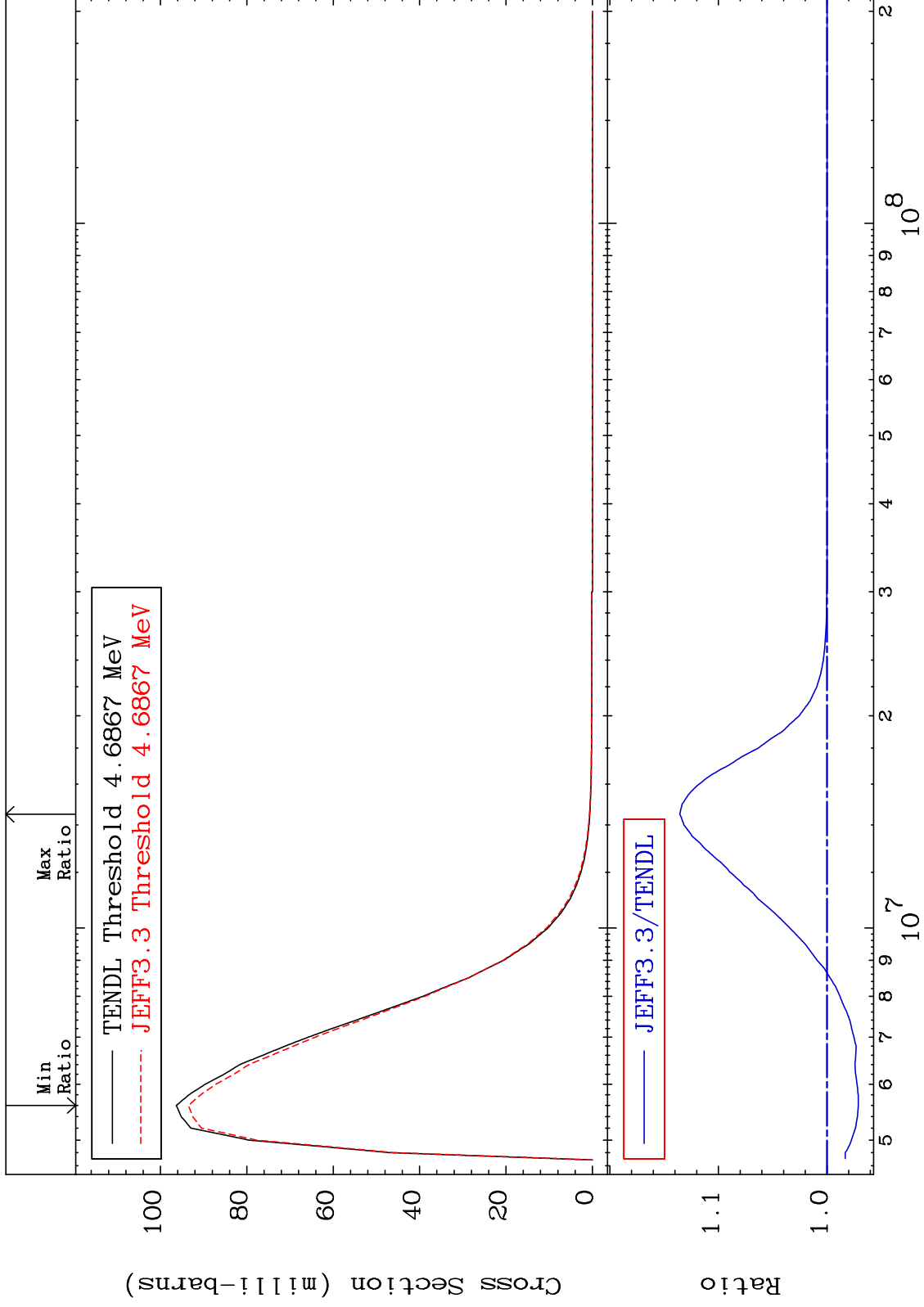
18-Ar-38  
-2.544 To 113.8 %



MAT 1831

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

18-Ar-38  
-2.889 To 13.56 %



22

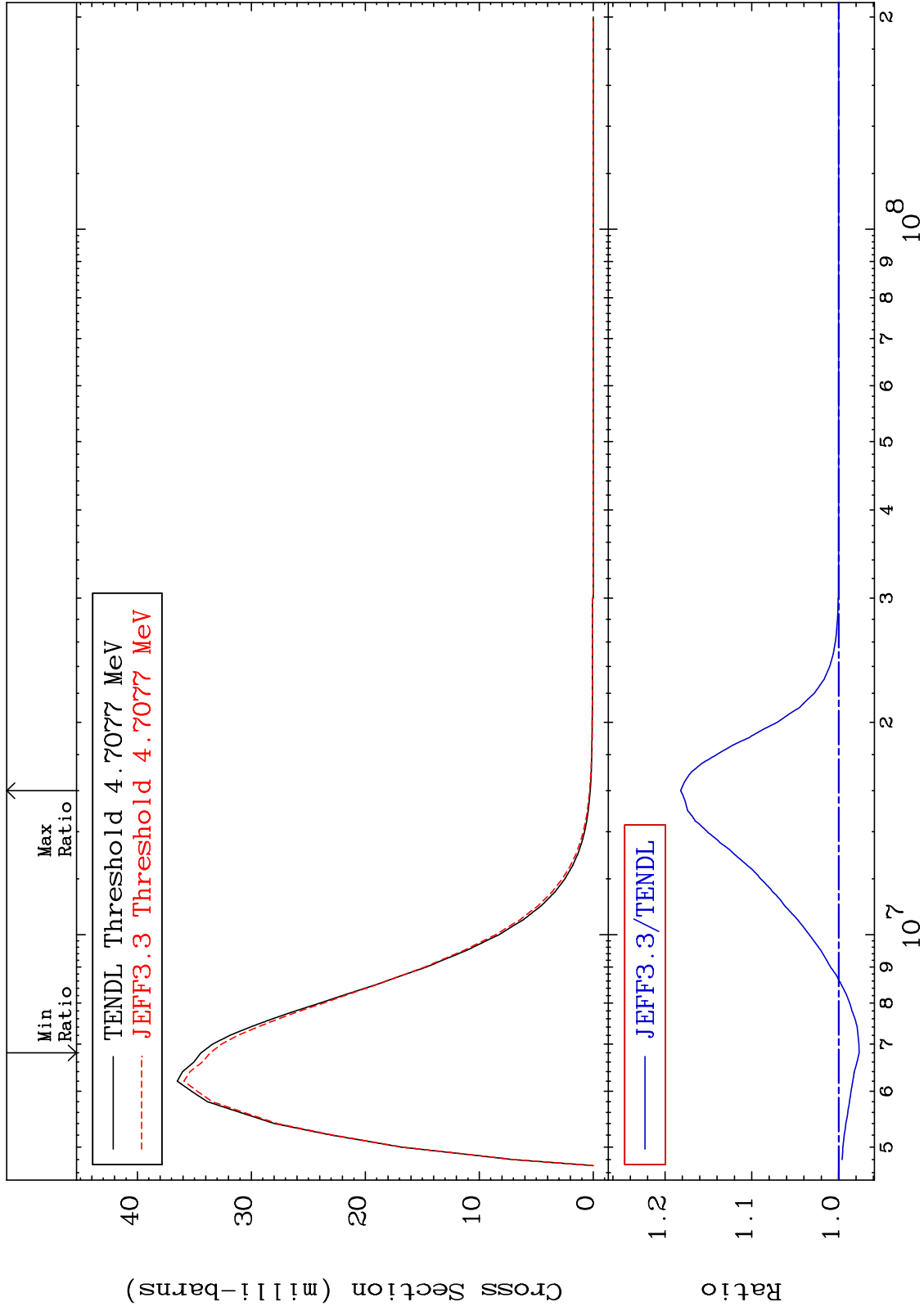
Incident Energy (eV)

18-Ar-38

MAT 1831

MT= 57 (n,n') Level  
Cross Section

18-Ar-38  
-2.364 To 18.20 %

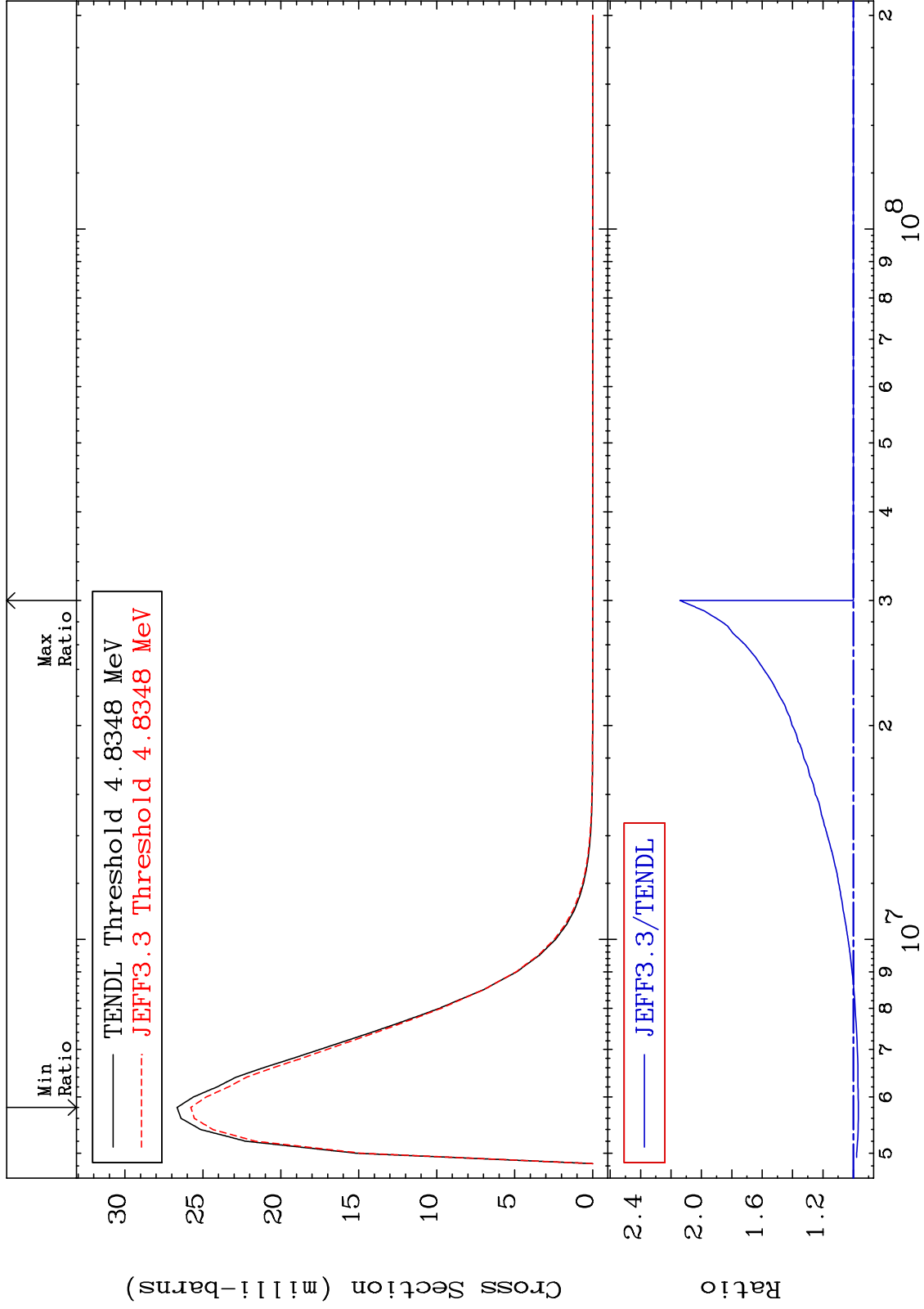




MAT 1831

MT= 58 (n, n') Level  
Cross Section

18-Ar-38  
-3.314 To 114.1 %



24

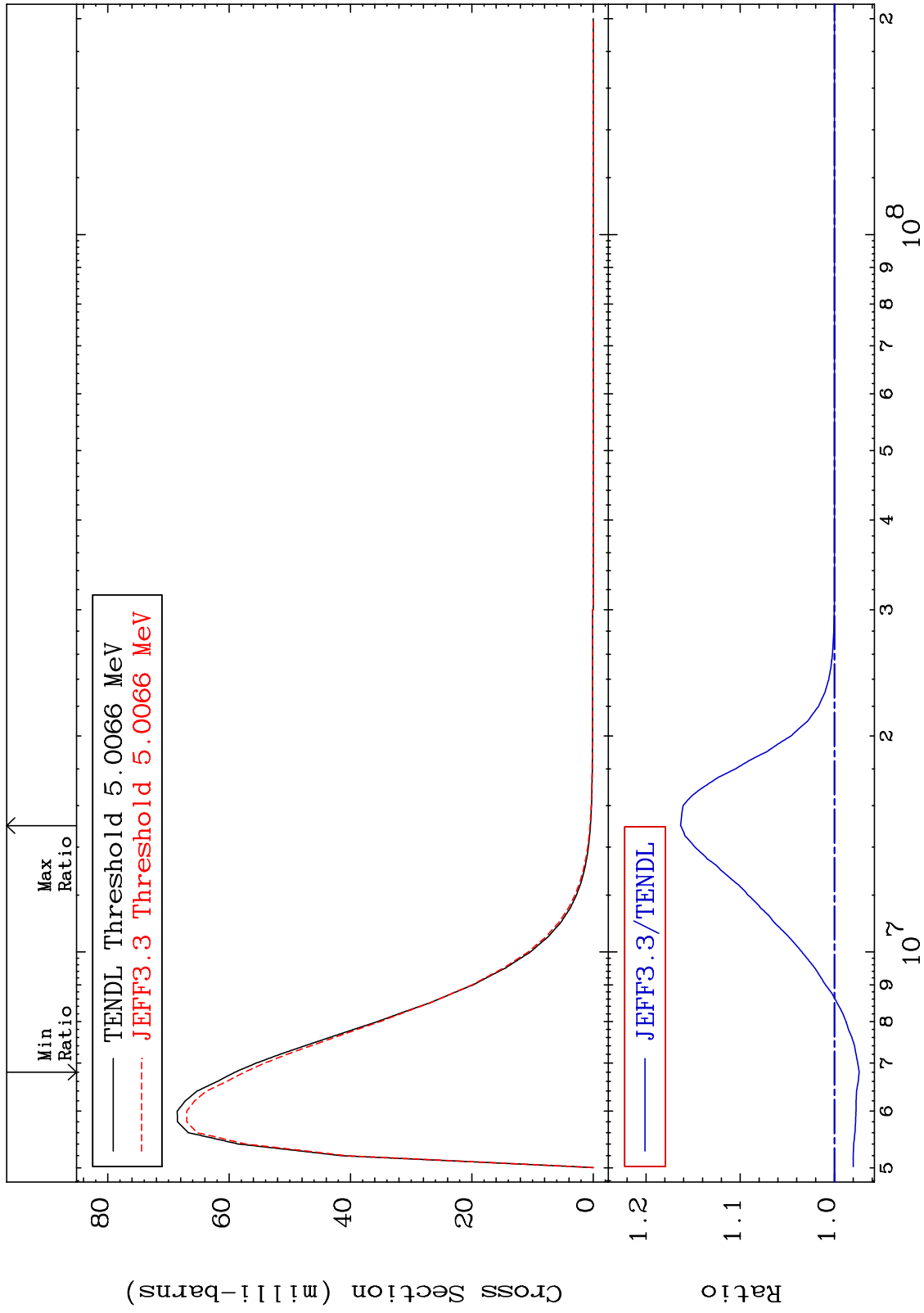
18-Ar-38

18-Ar-38

MAT 1831

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

18-Ar-38  
-2.624 To 16.32 %



25

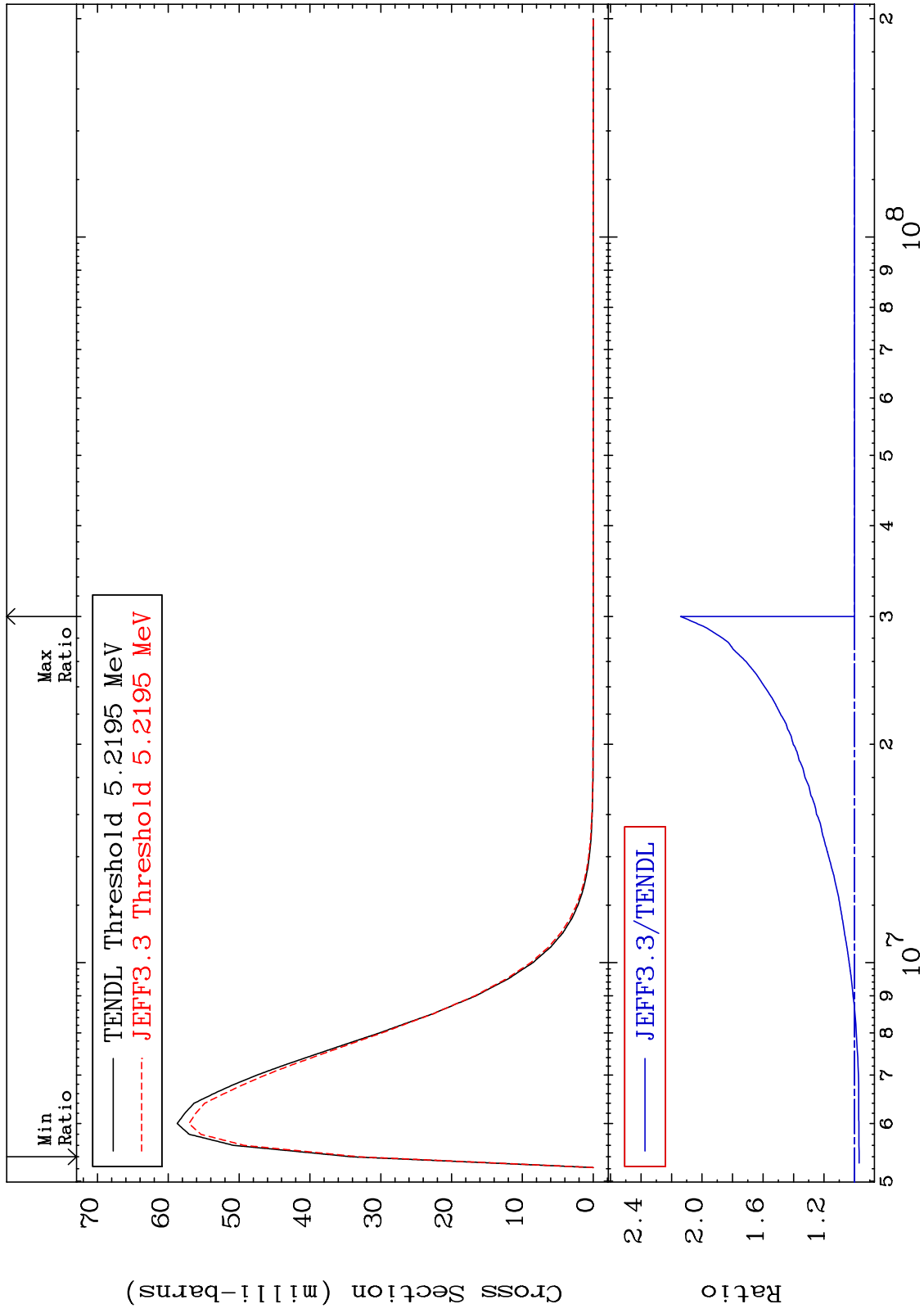
18-Ar-38

18-Ar-38

MAT 1831

MT= 60 (n,n') Level  
Cross Section

18-Ar-38  
-3.041 To 114.0 %



26

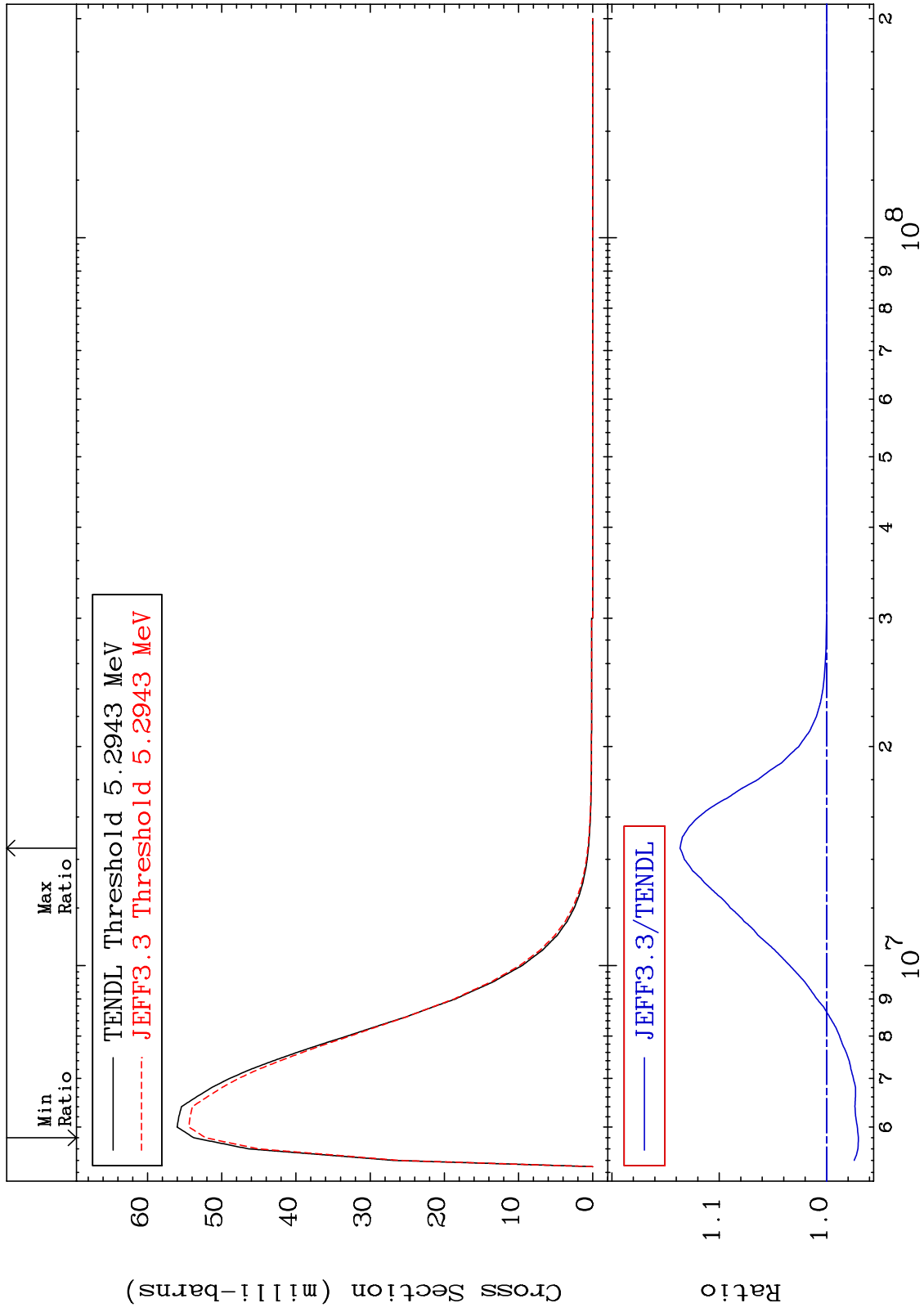
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38  
-2.960 To 13.66 %



27

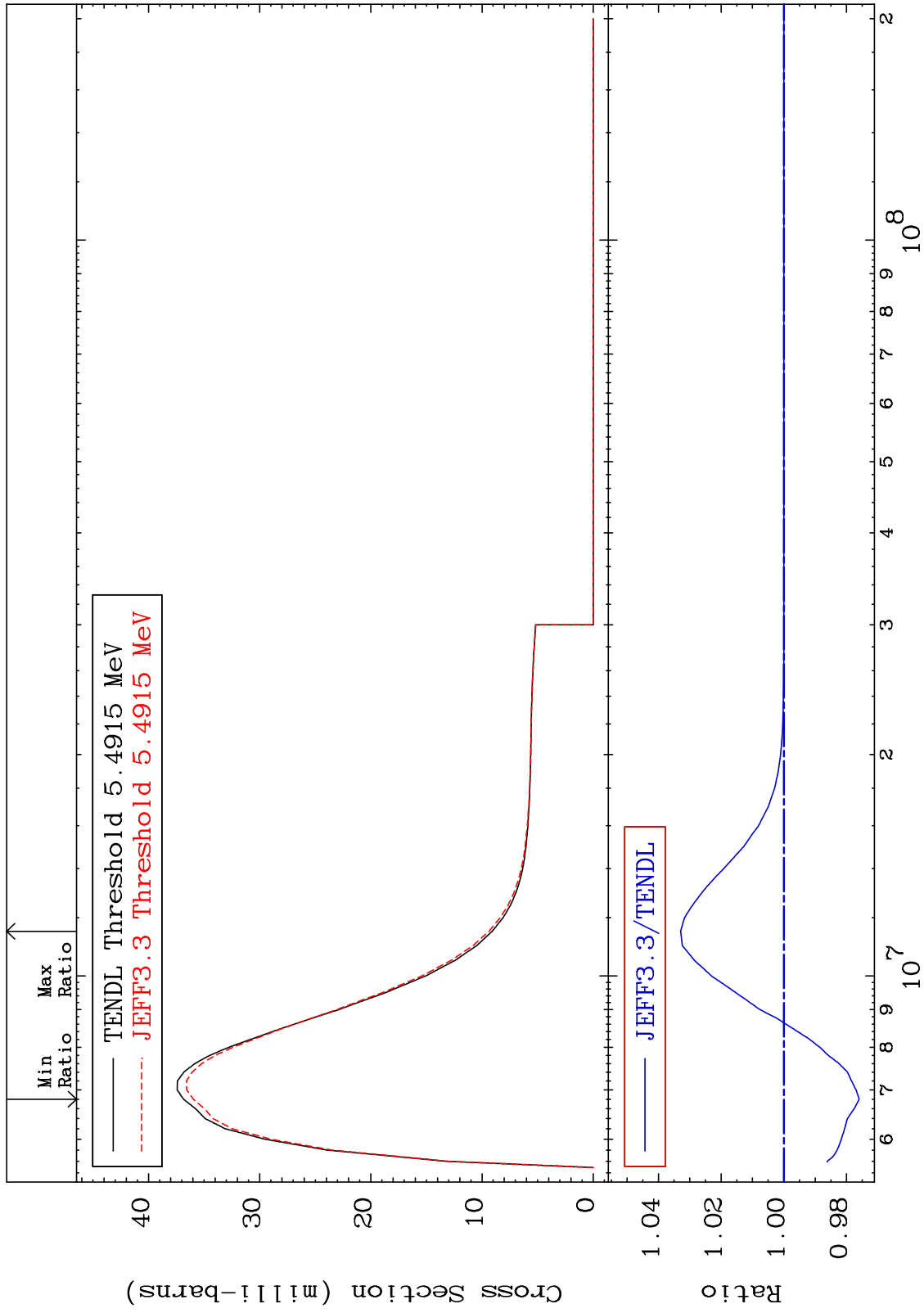
Incident Energy (eV)

18-Ar-38

MAT 1831

MT= 62 (n,n') Level  
Cross Section

18-Ar-38  
-2.403 To 3.292 %



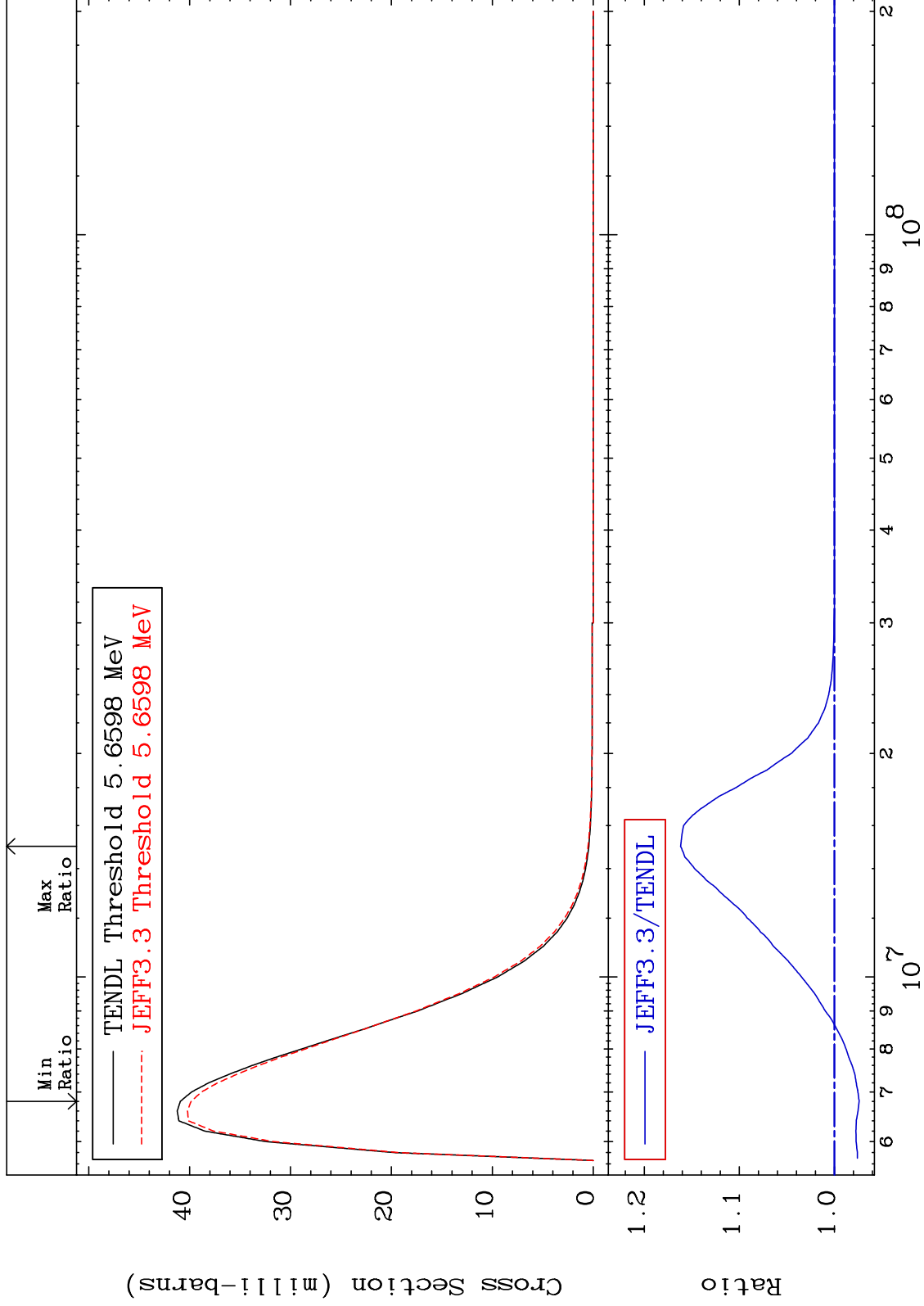
28

18-Ar-38

MAT 1831

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

18-Ar-38  
-2.606 To 16.18 %



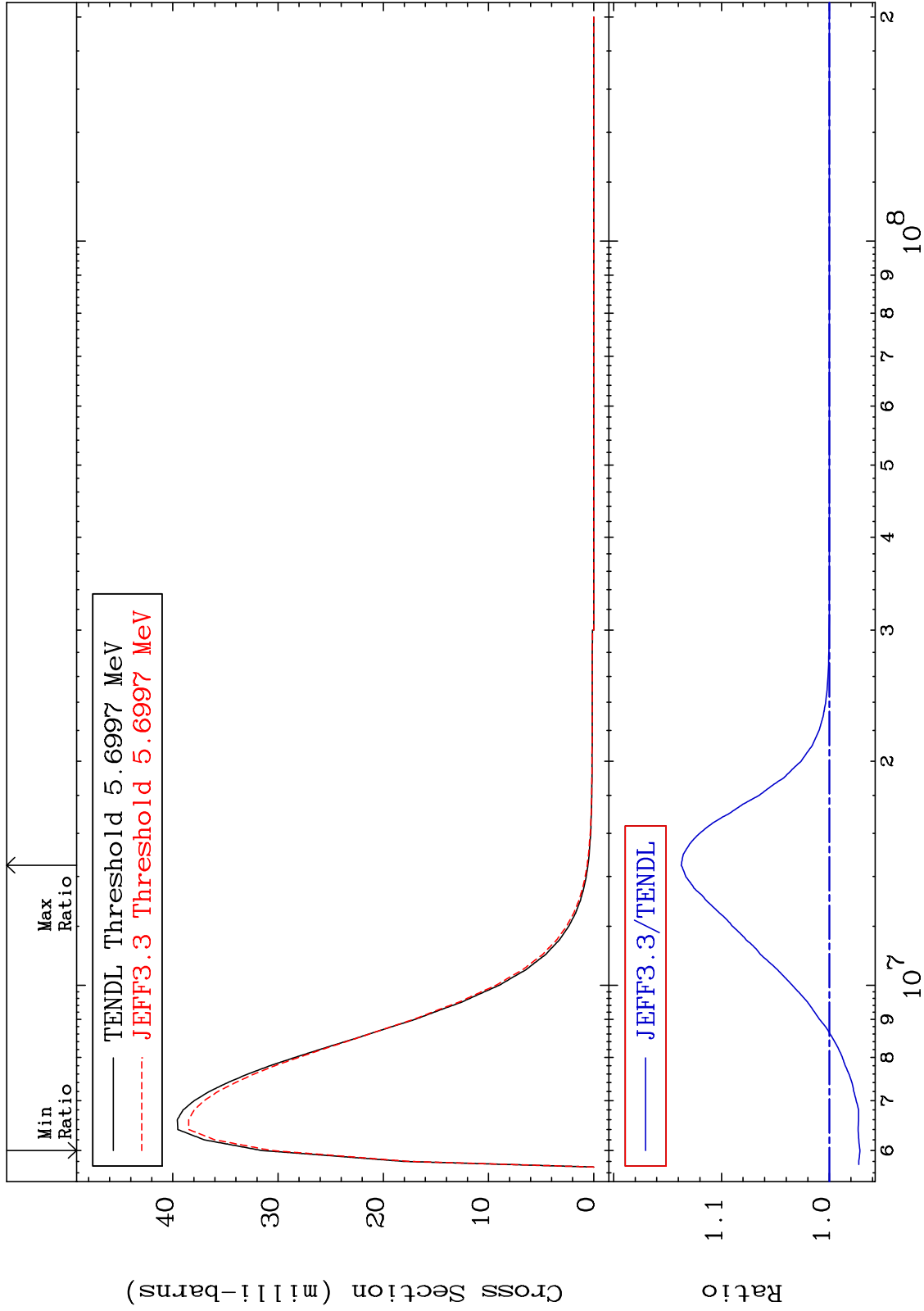
29

18-Ar-38

MAT 1831

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

18-Ar-38  
-2.833 To 13.73 %



30

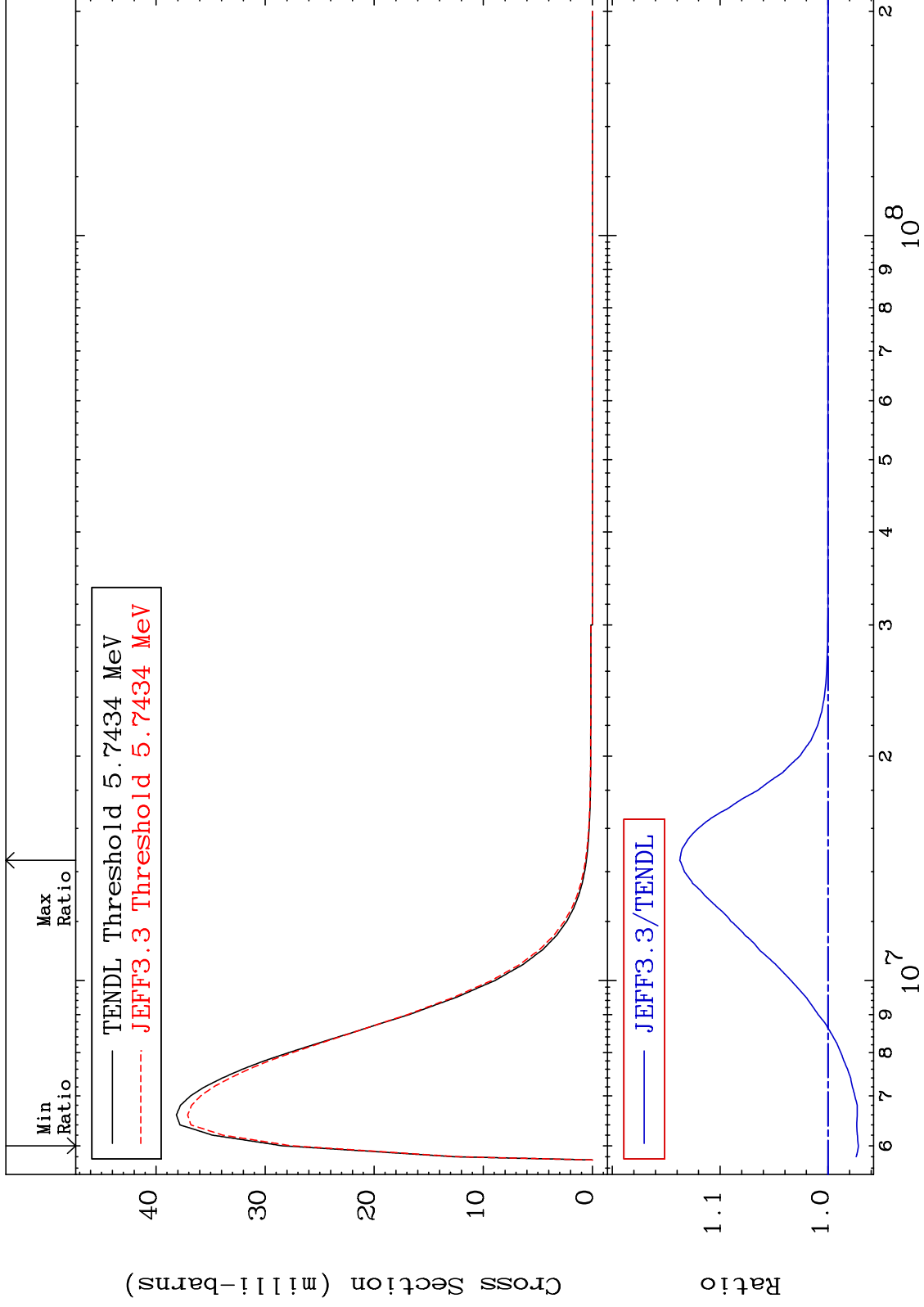
Incident Energy (eV)

18-Ar-38

MAT 1831

MT= 65 (n,n') Level  
Cross Section

18-Ar-38  
-2.815 To 13.74 %



31

Incident Energy (eV)

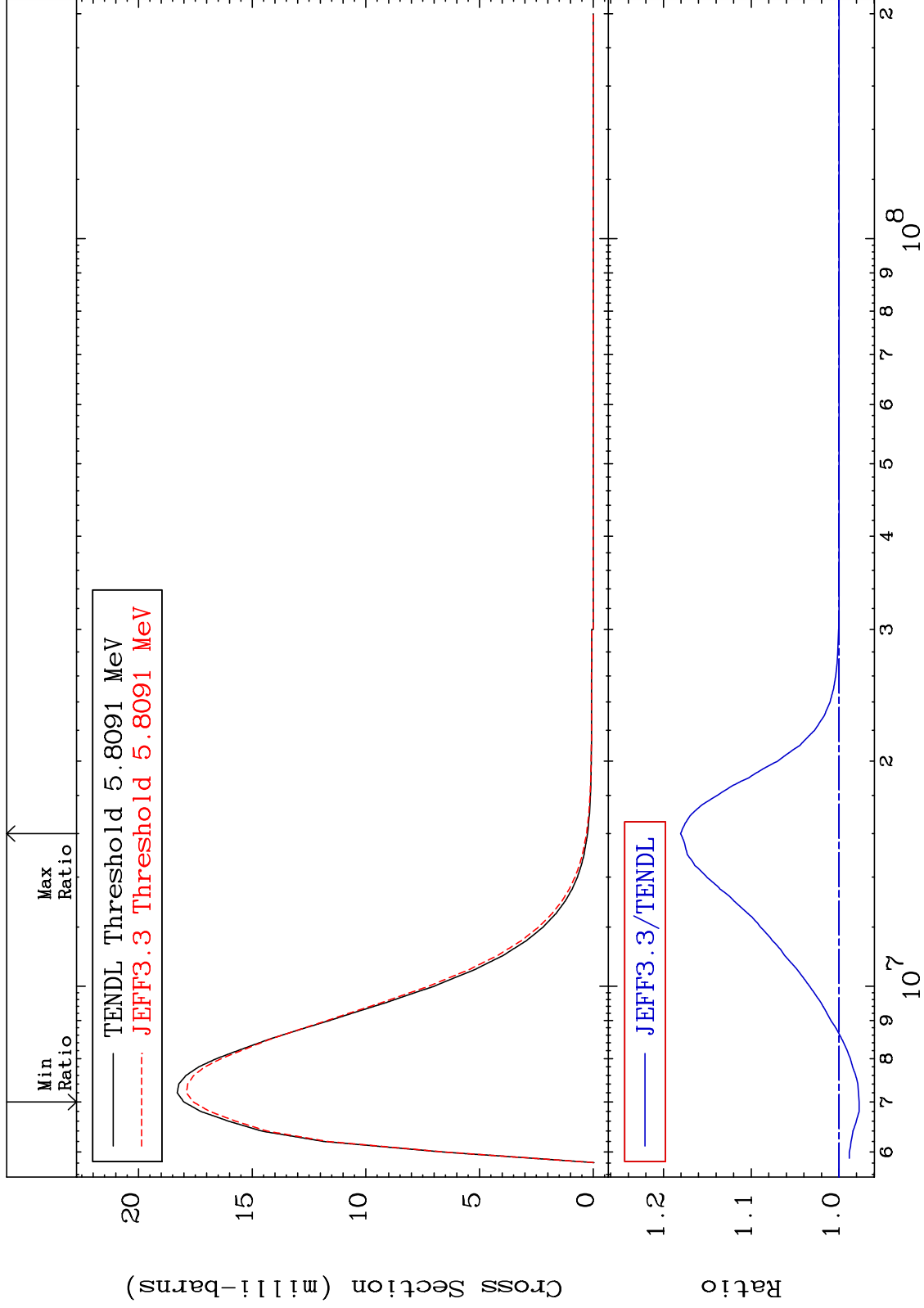
18-Ar-38



MAT 1831

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

18-Ar-38  
-2.294 To 18.04 %



32

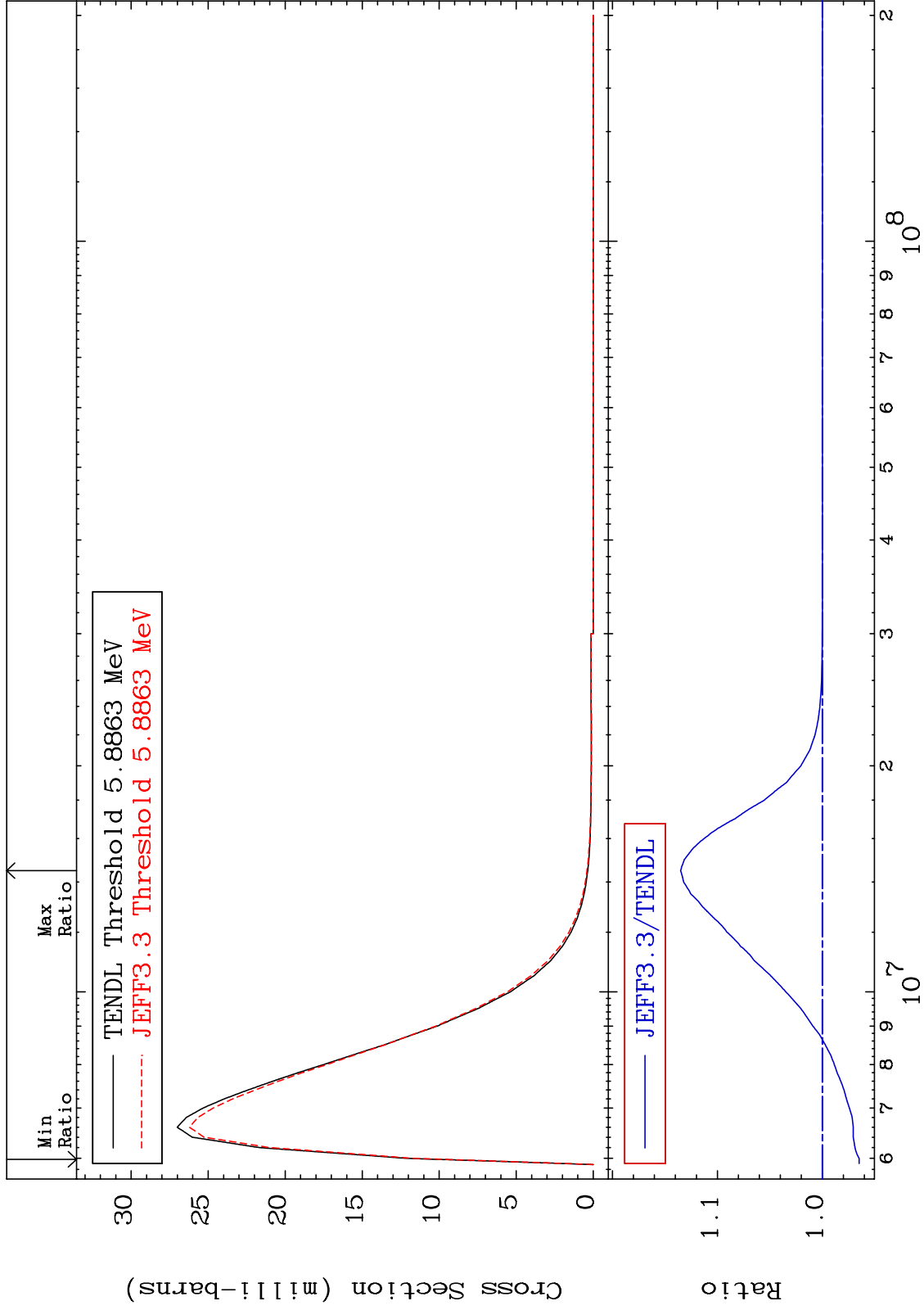
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38  
-3.508 To 13.50 %



33

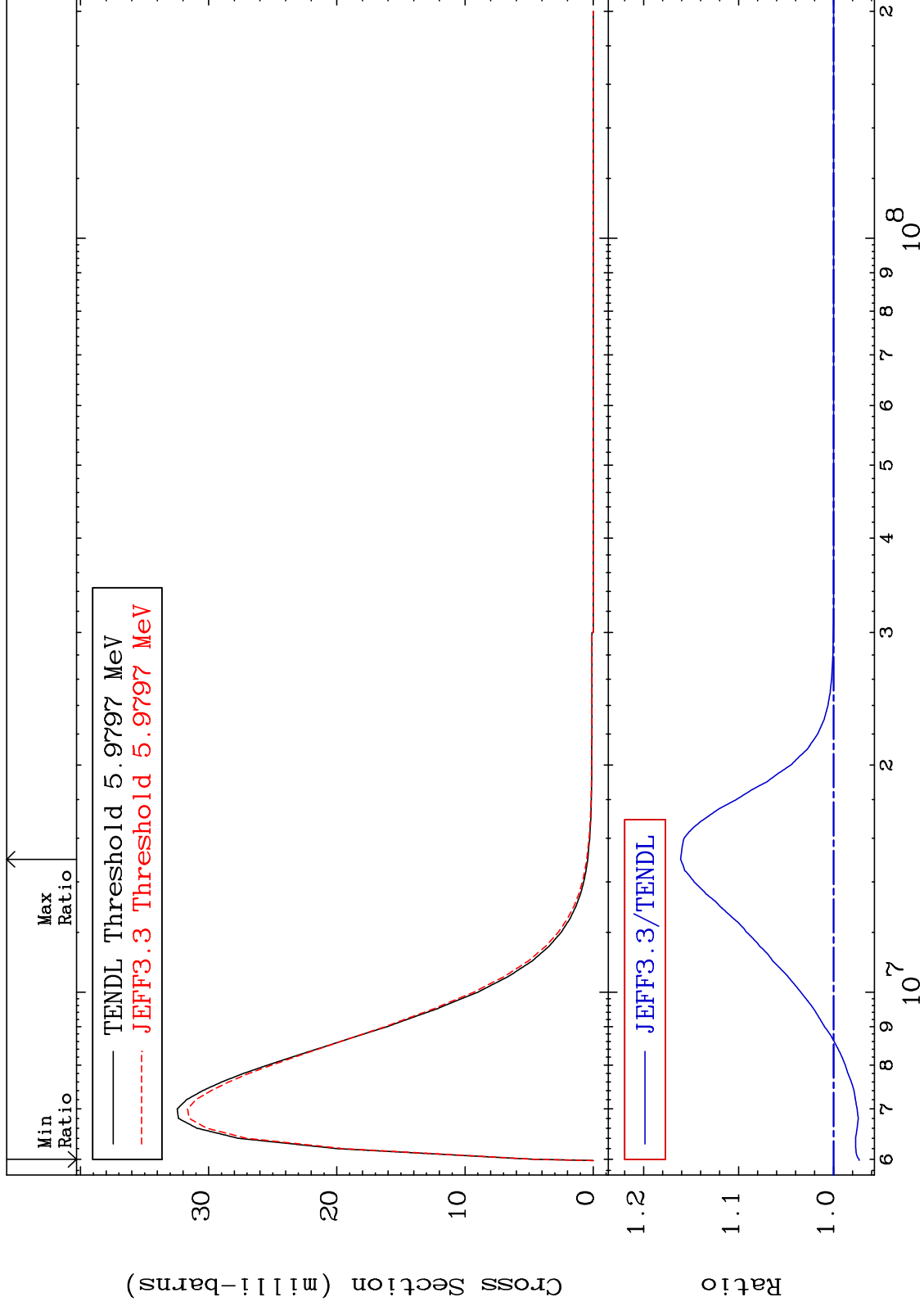
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38  
-2.693 To 16.11 %



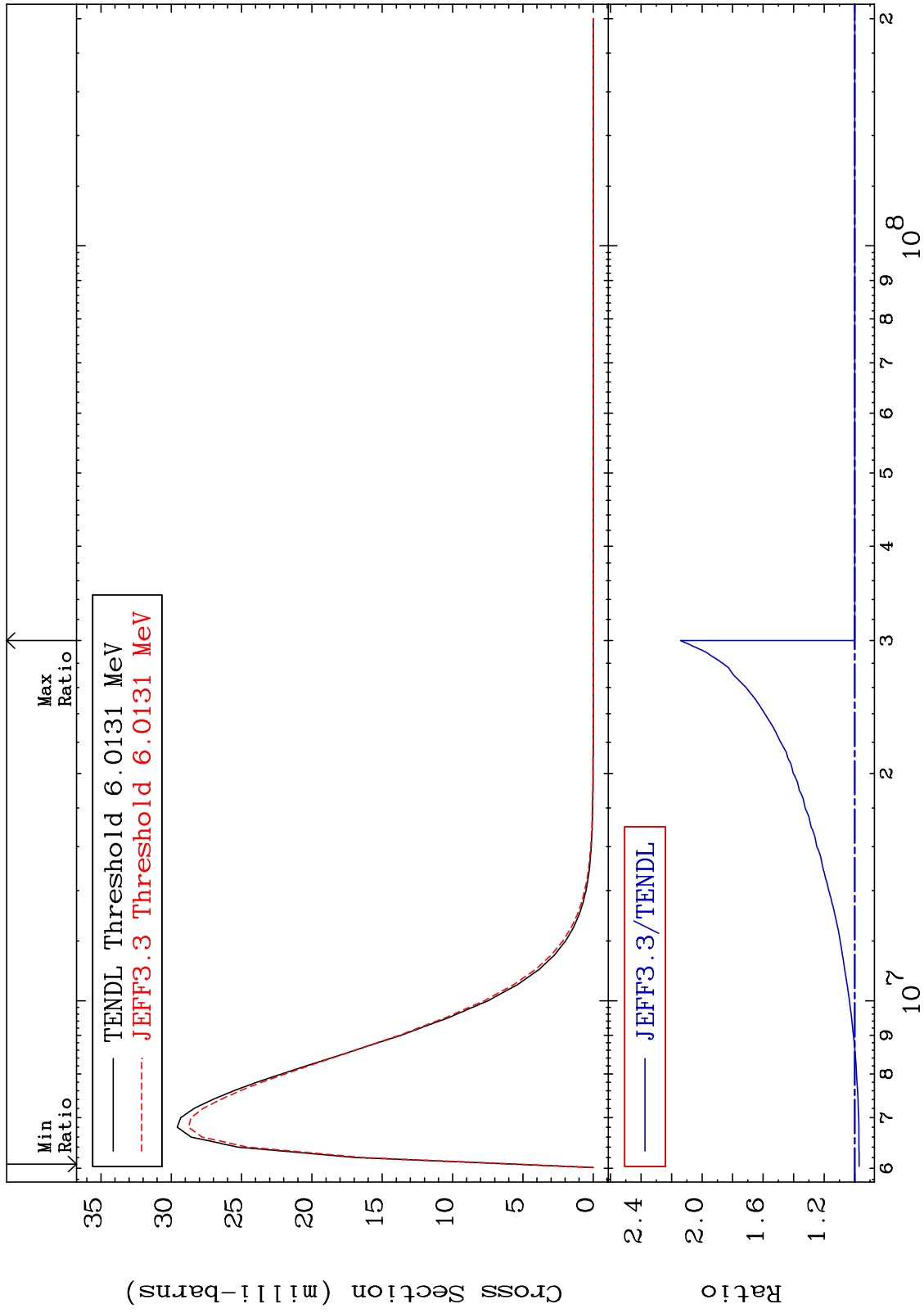
34

18-Ar-38

MAT 1831

MT= 69 (n,n') Level  
Cross Section

18-Ar-38  
-2.871 To 114.0 %



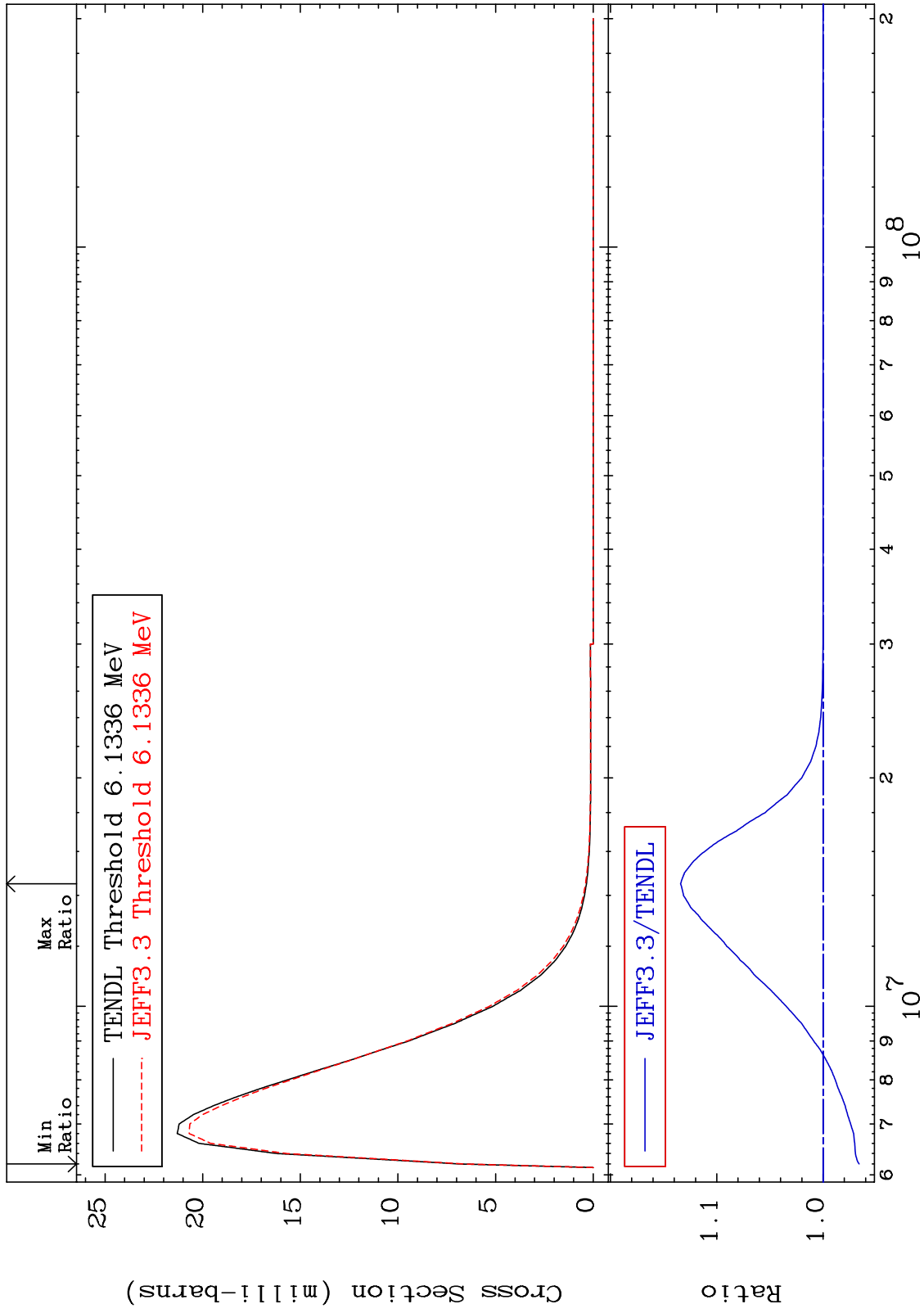
35

18-Ar-38

MAT 1831

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

18-Ar-38  
-3.390 To 13.40 %



36

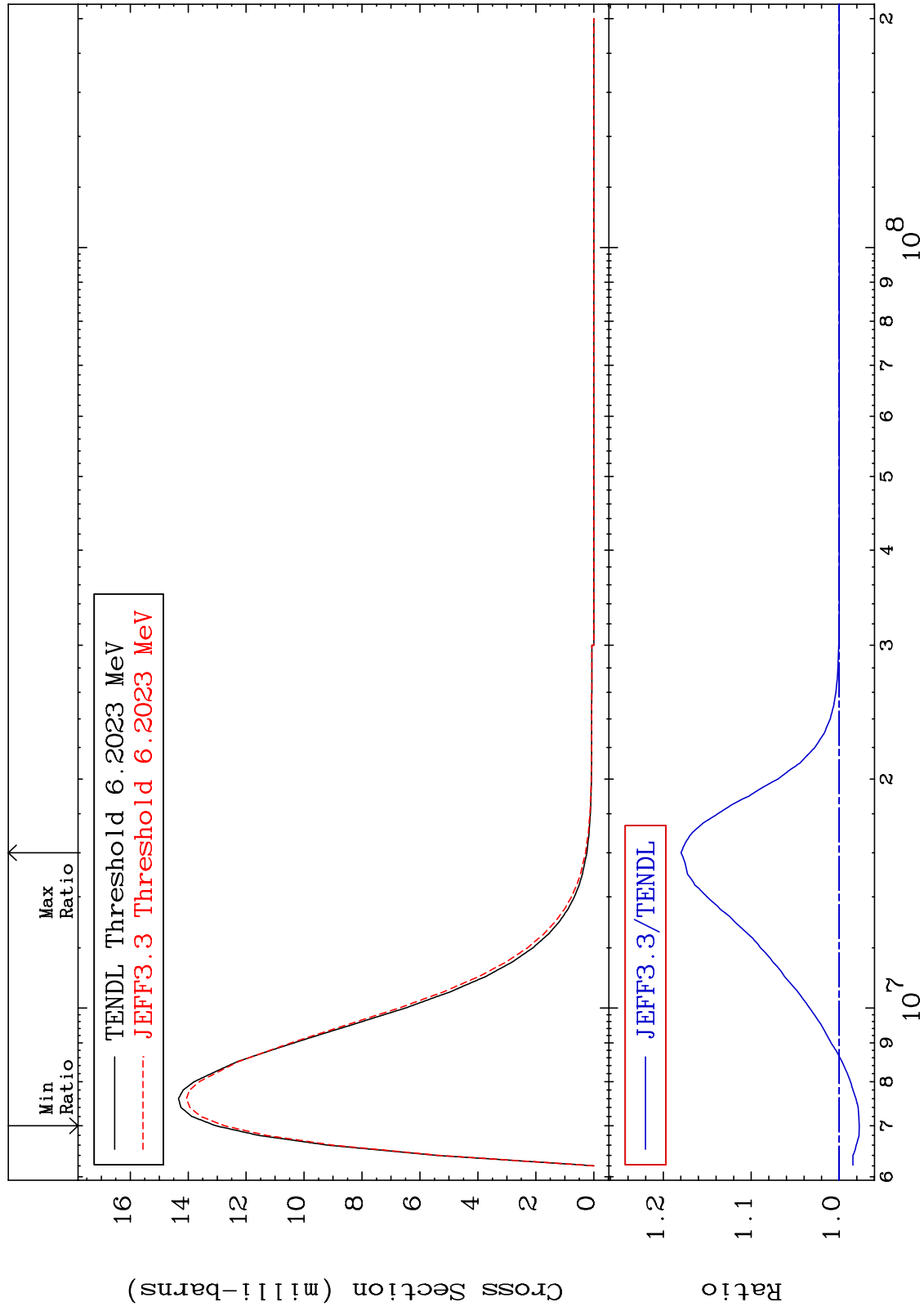
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38  
-2.284 To 17.98 %



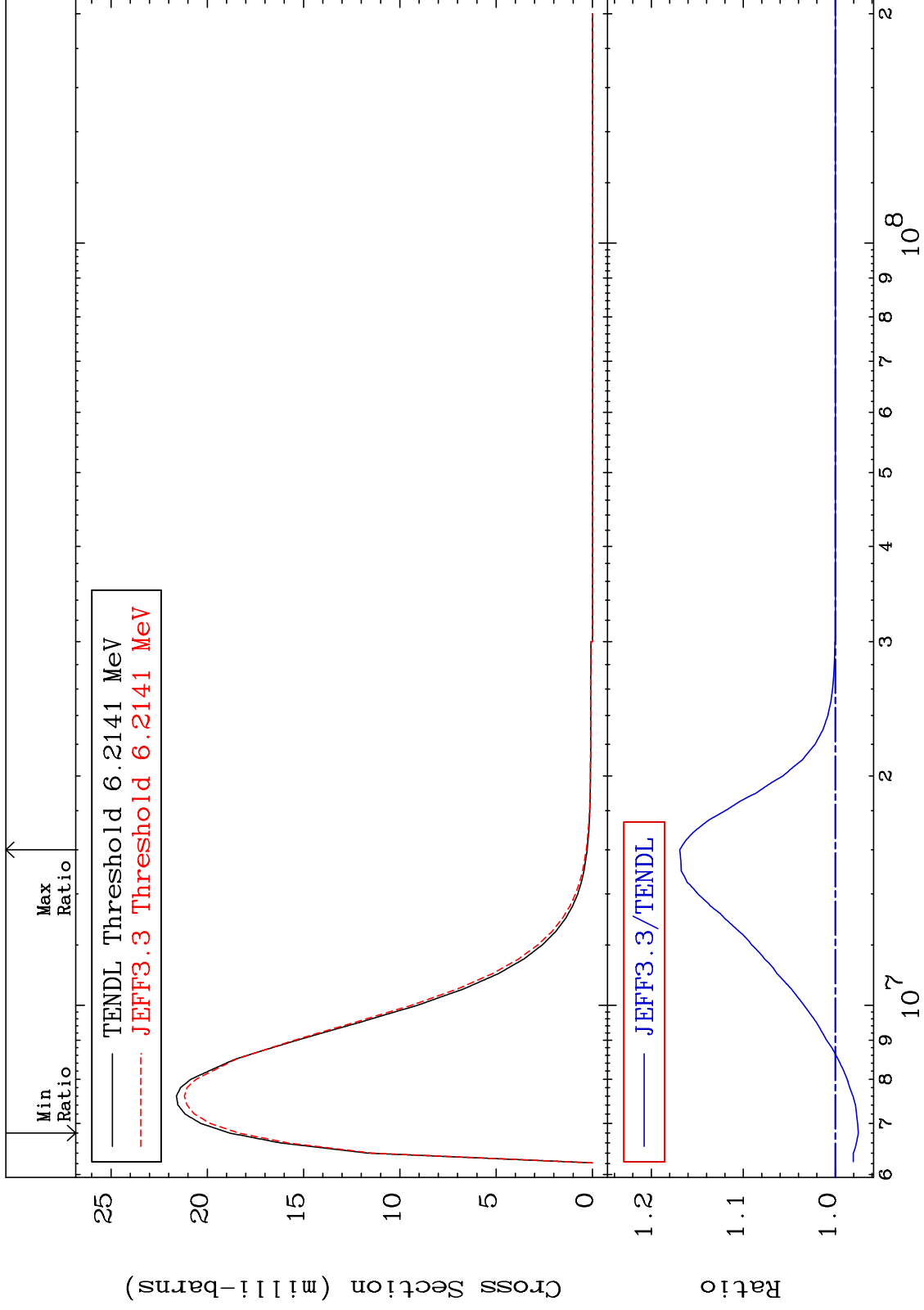
37

18-Ar-38

MAT 1831

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

18-Ar-38  
-2.504 To 16.90 %



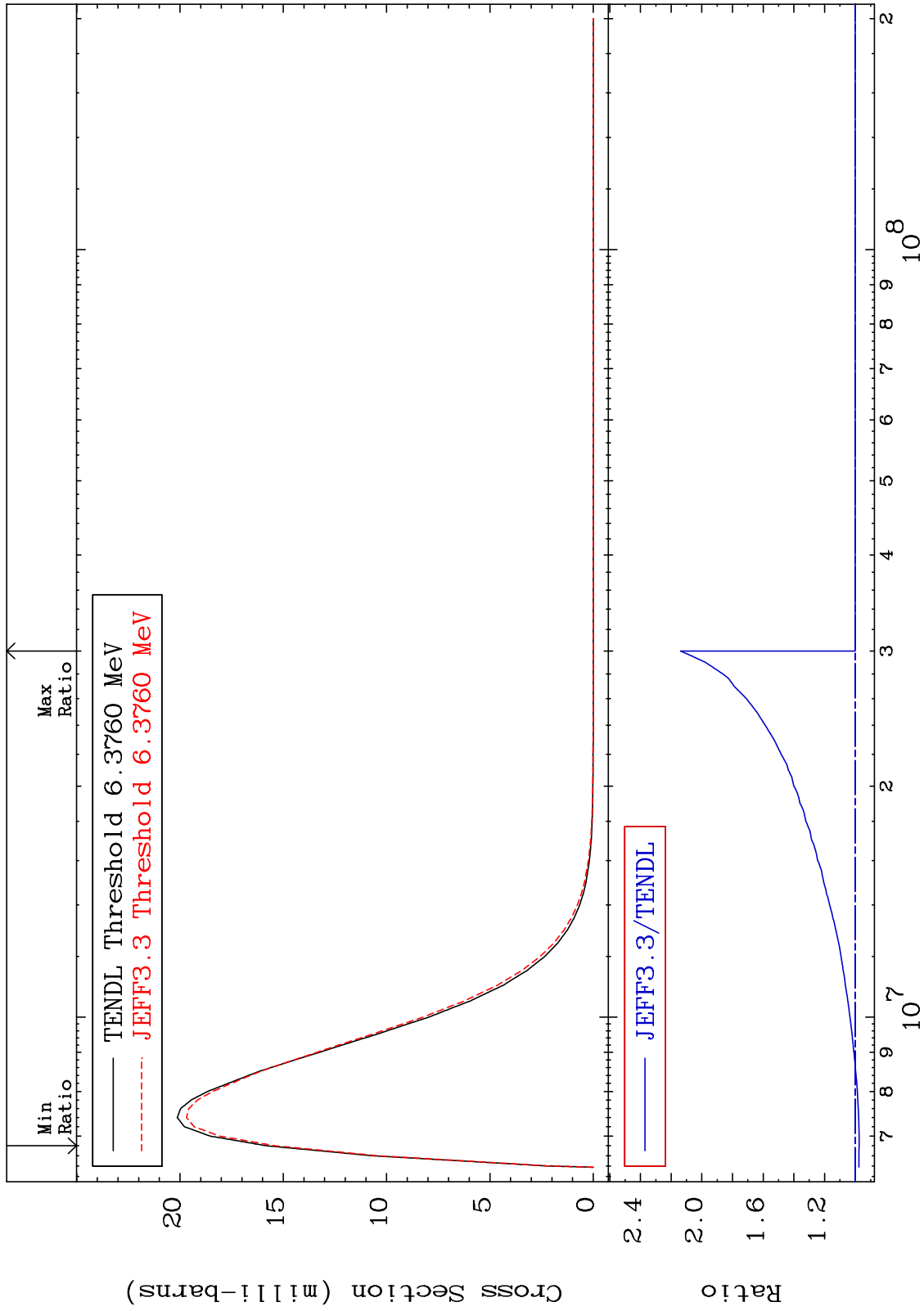
38

18-Ar-38

MAT 1831

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

18-Ar-38  
-2.550 To 113.8 %



39

Incident Energy (eV)

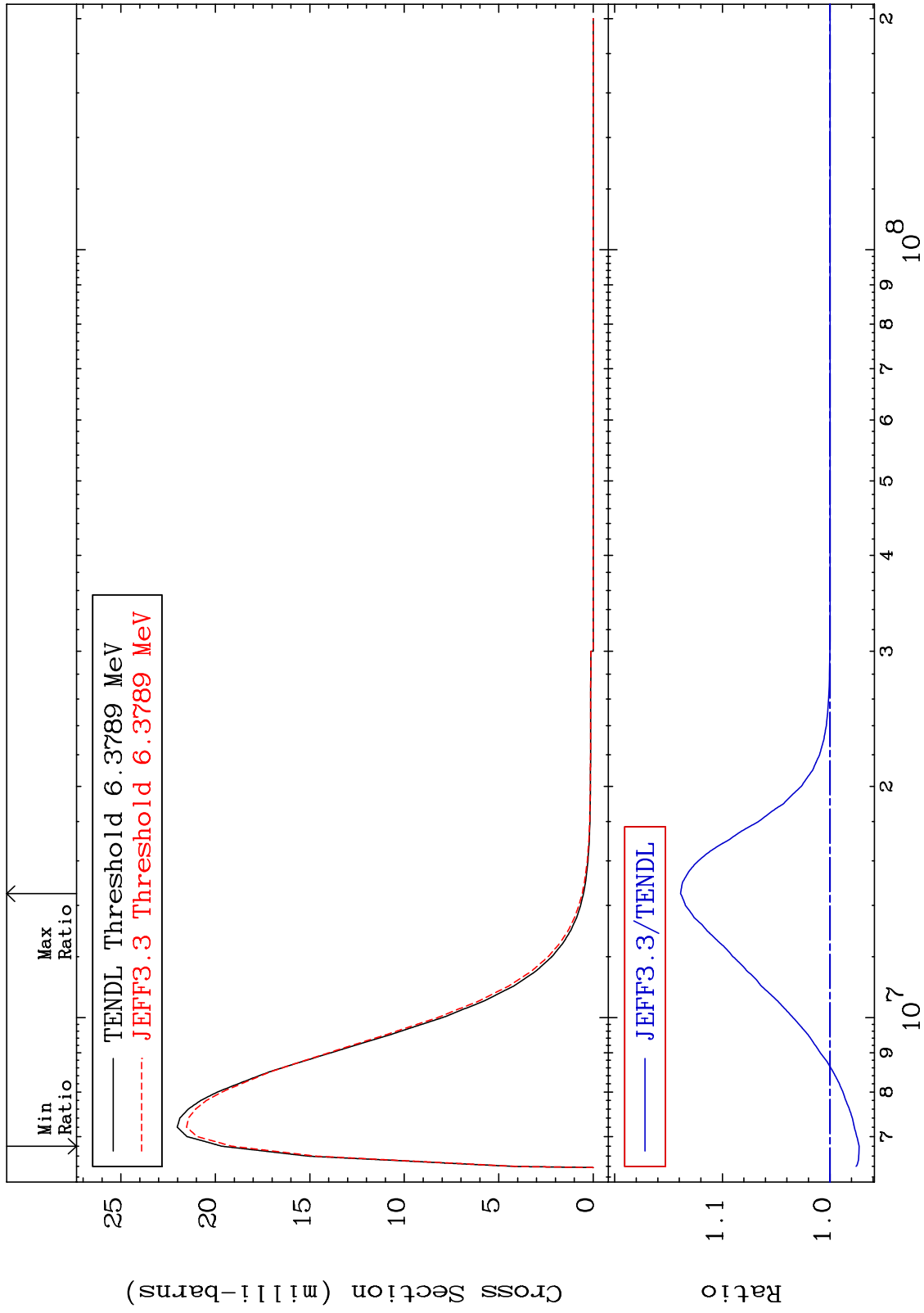
18-Ar-38



MAT 1831

MT= 74 (n,n') Level  
Cross Section

18-Ar-38  
-2.707 To 13.88 %



40

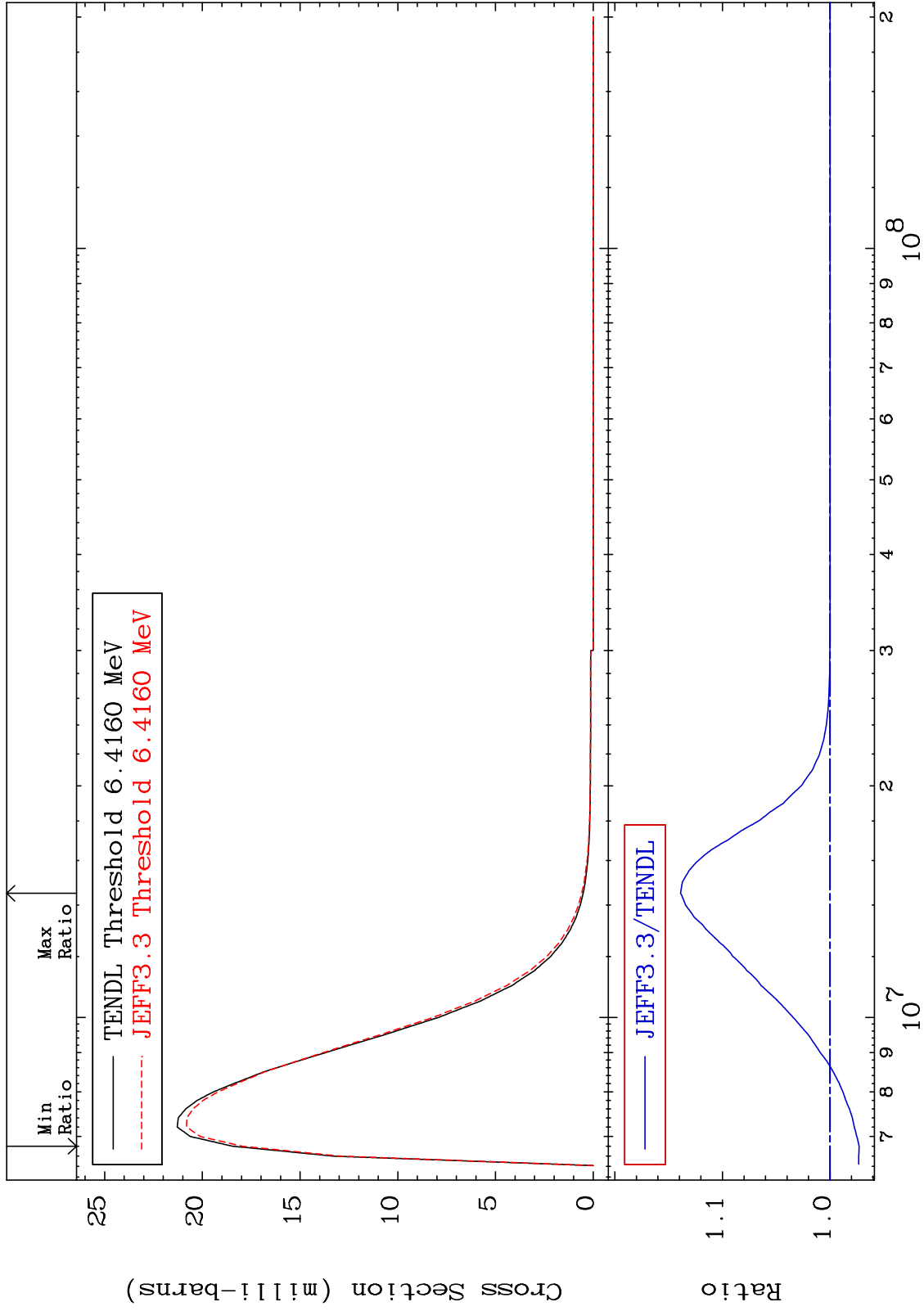
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38  
-2.705 To 13.89 %



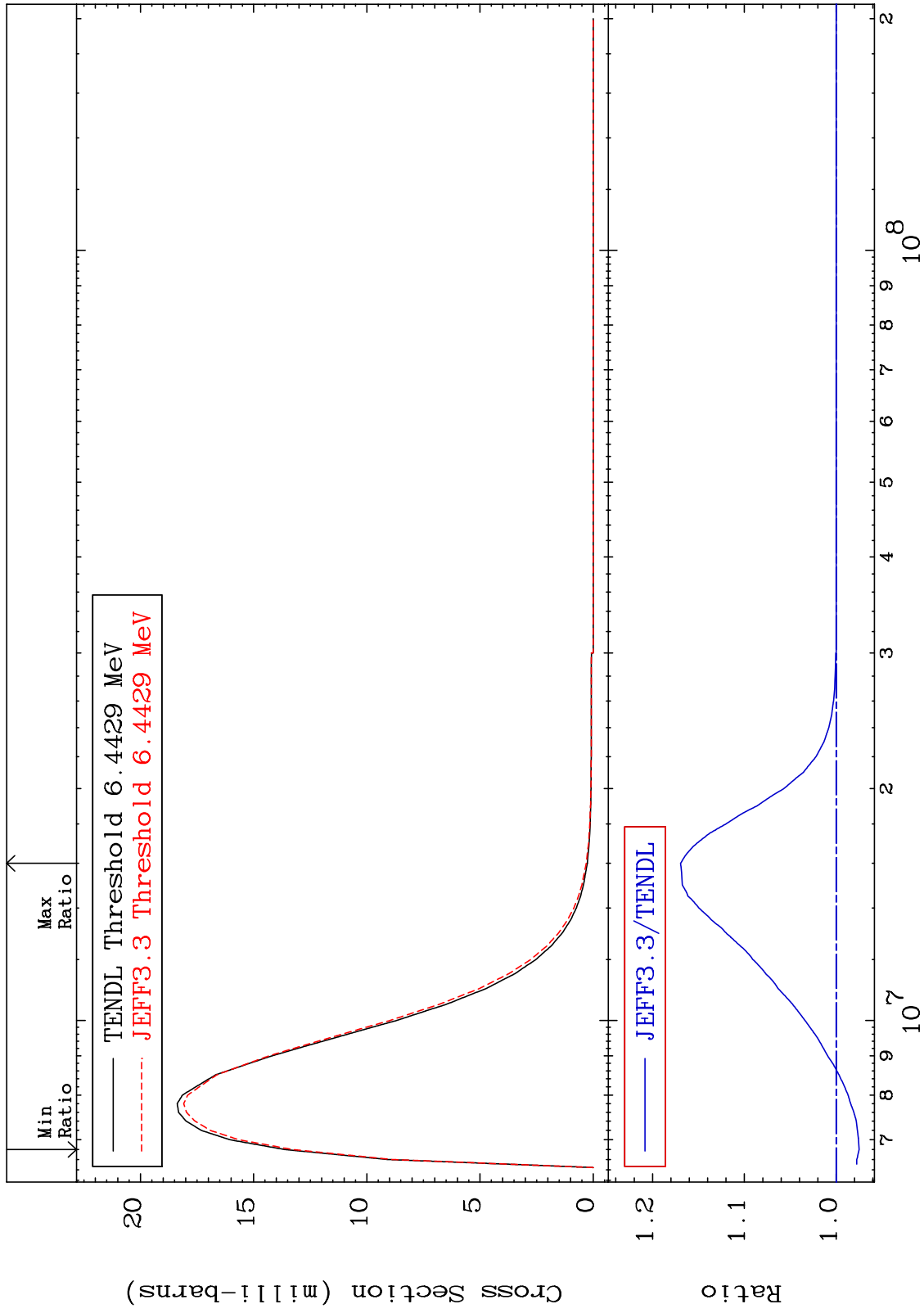
41

18-Ar-38

MAT 1831

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

18-Ar-38  
-2.497 To 16.94 %



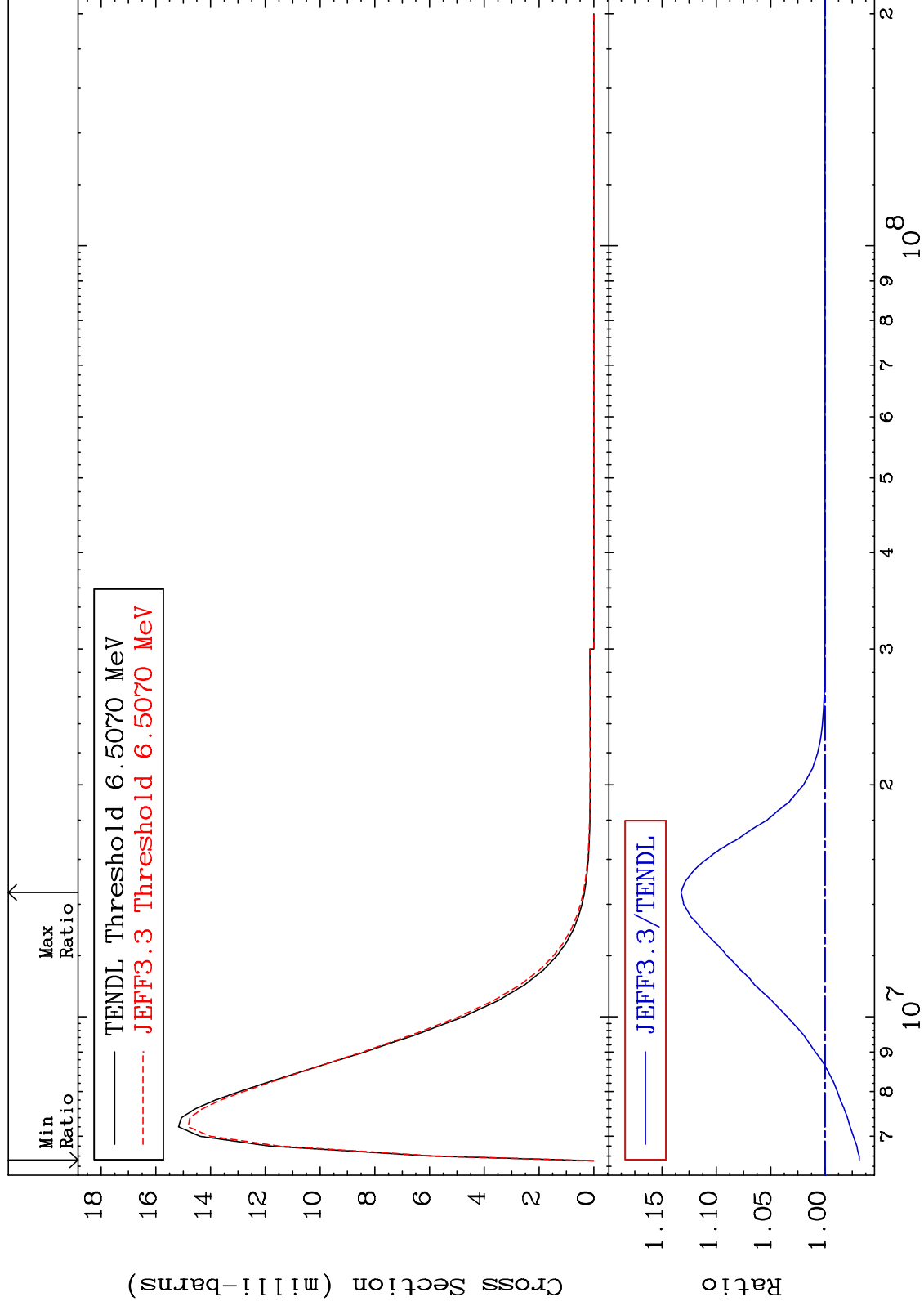
42

18-Ar-38

MAT 1831

MT= 77 (n,n') Level  
Cross Section

18-Ar-38  
-3.155 To 13.24 %



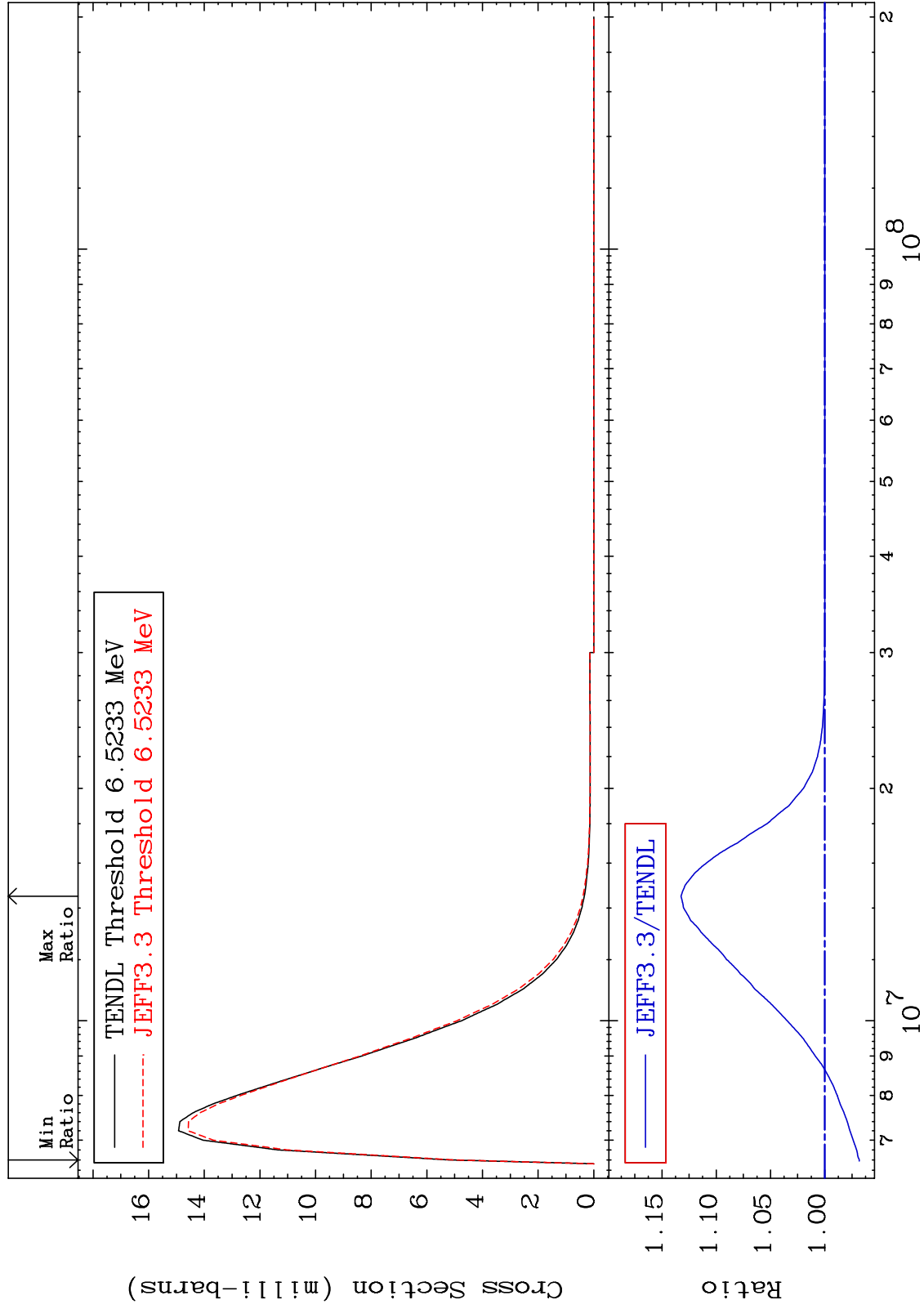
43

18-Ar-38

MAT 1831

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

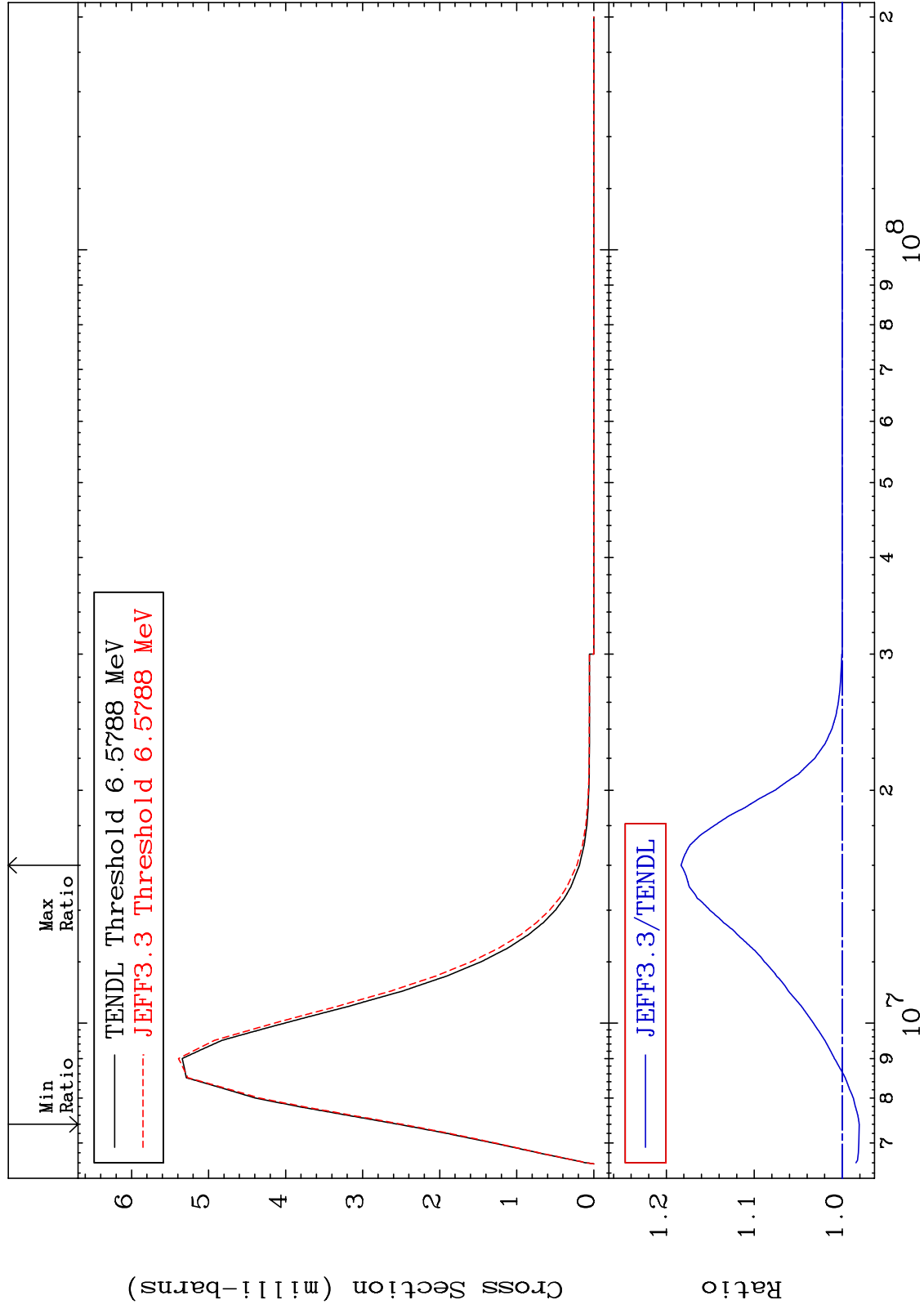
18-Ar-38  
-3.177 To 13.24 %



MAT 1831

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

18-Ar-38  
-1.933 To 18.33 %



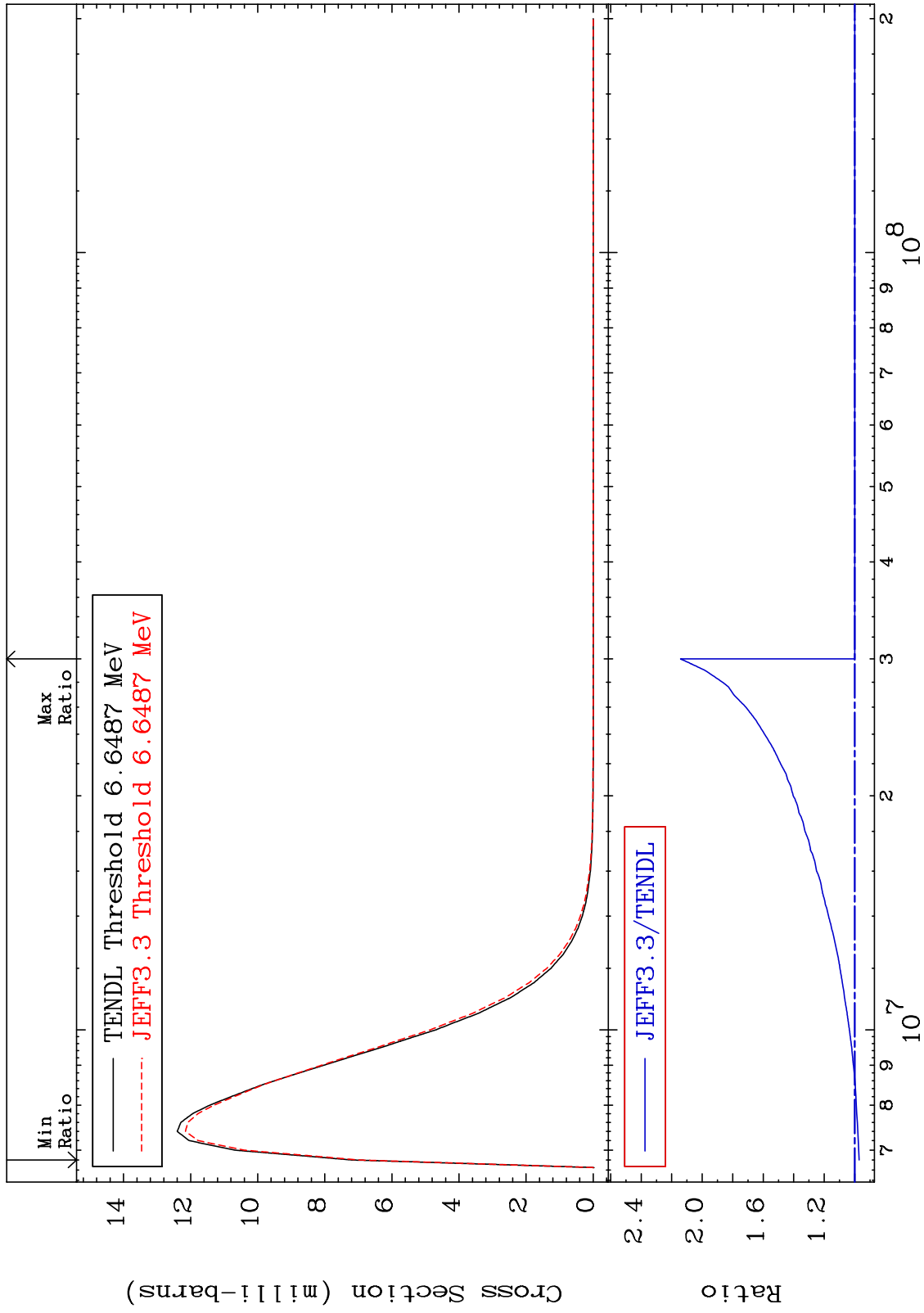
45

18-Ar-38

MAT 1831

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

18-Ar-38  
-2.893 To 114.2 %



46

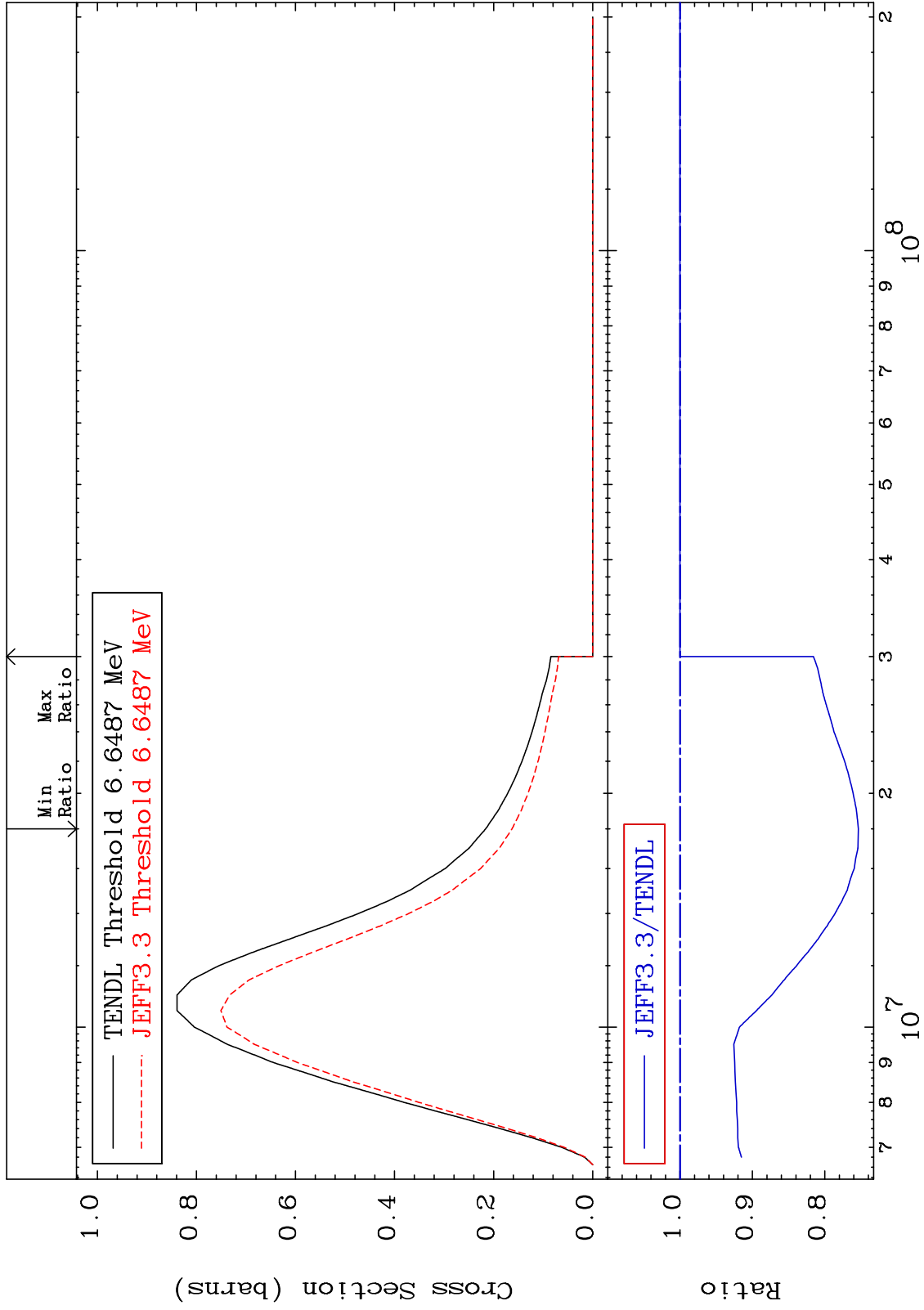
Incident Energy (eV)

18-Ar-38

MAT 1831

(n,n') Continuum  
Cross Section

18-Ar-38  
-24.63 To 0.000 %



47

Incident Energy (eV)

18-Ar-38



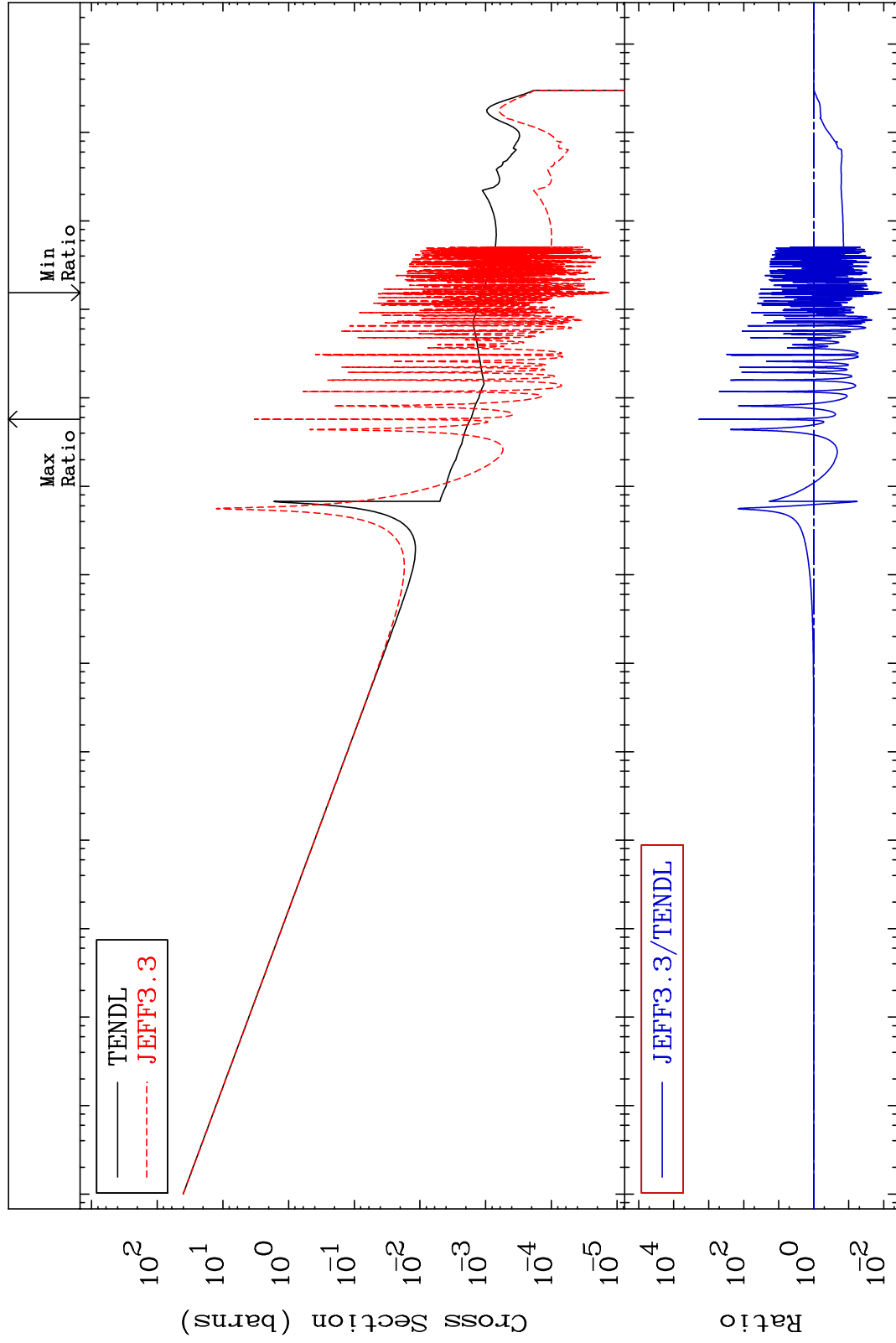
MAT 1831

(n,  $\gamma$ )

18-Ar-38

Cross Section

-98.85 To 9999. %



48

Incident Energy (eV)

18-Ar-38

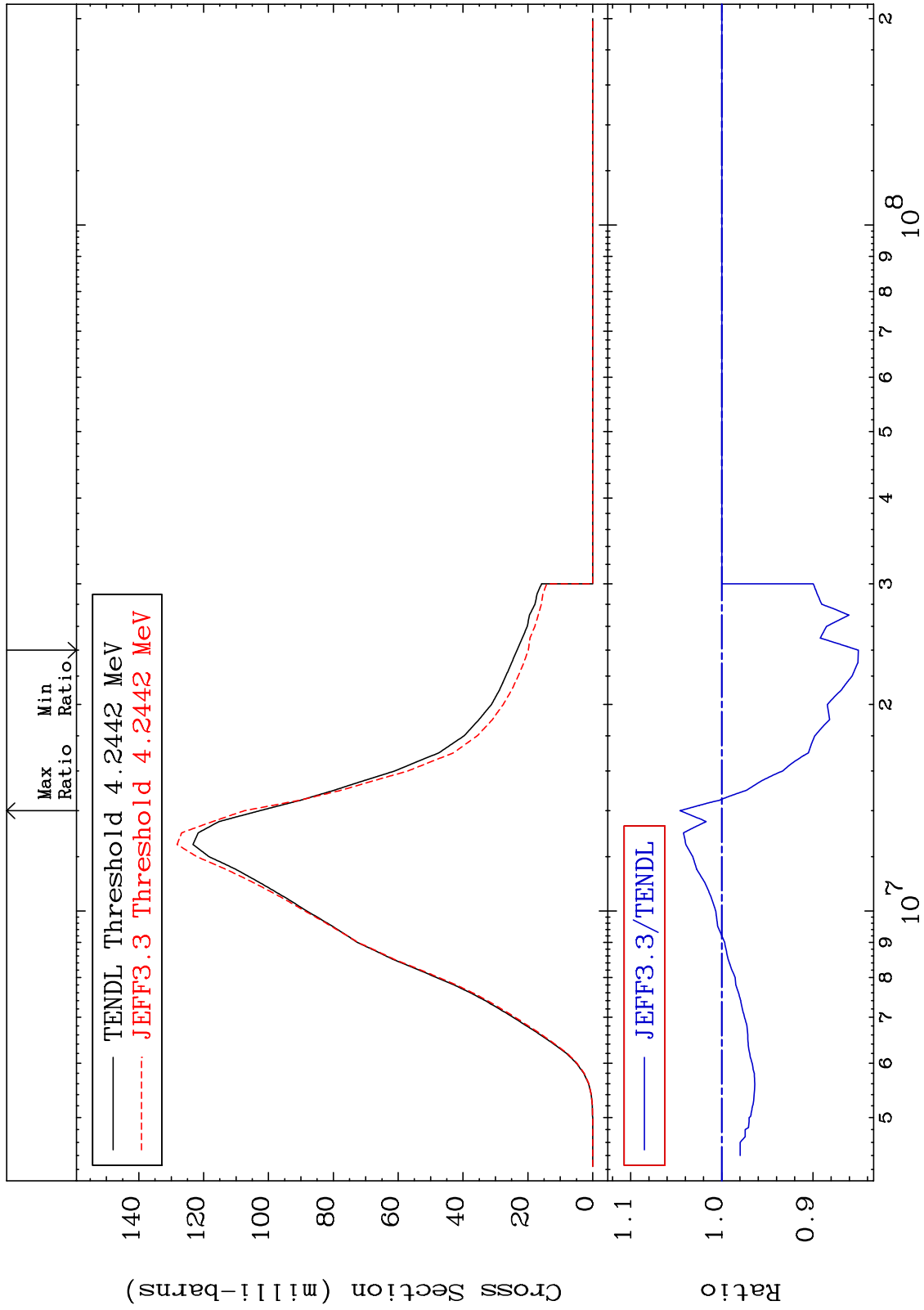
MAT 1831

(n,p)

18-Ar-38

Cross Section

-14.99 To 4.587 %



49

Incident Energy (eV)

18-Ar-38

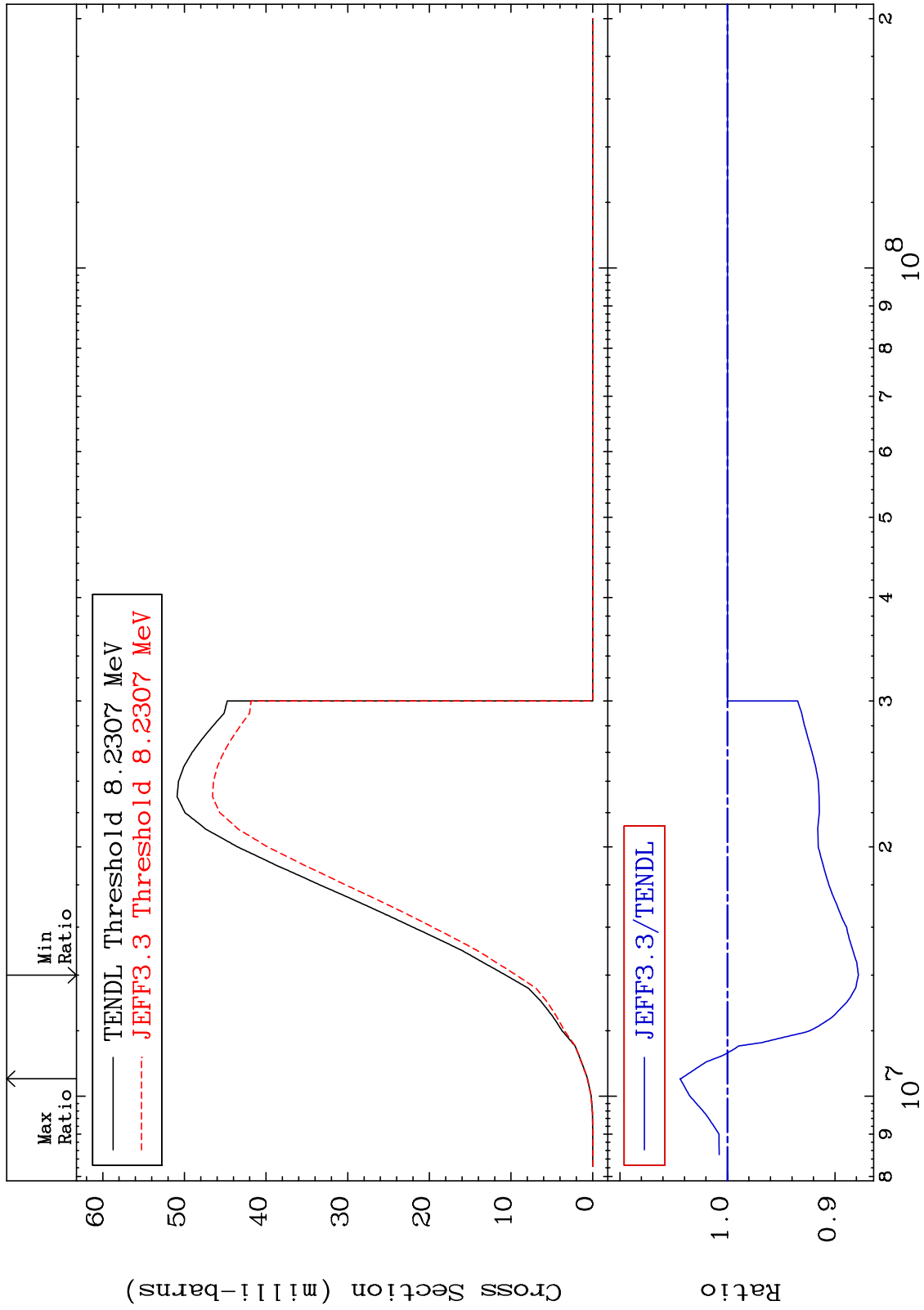
MAT 1831

(n, d)

18-Ar-38

Cross Section

-12.18 To 4.412 %



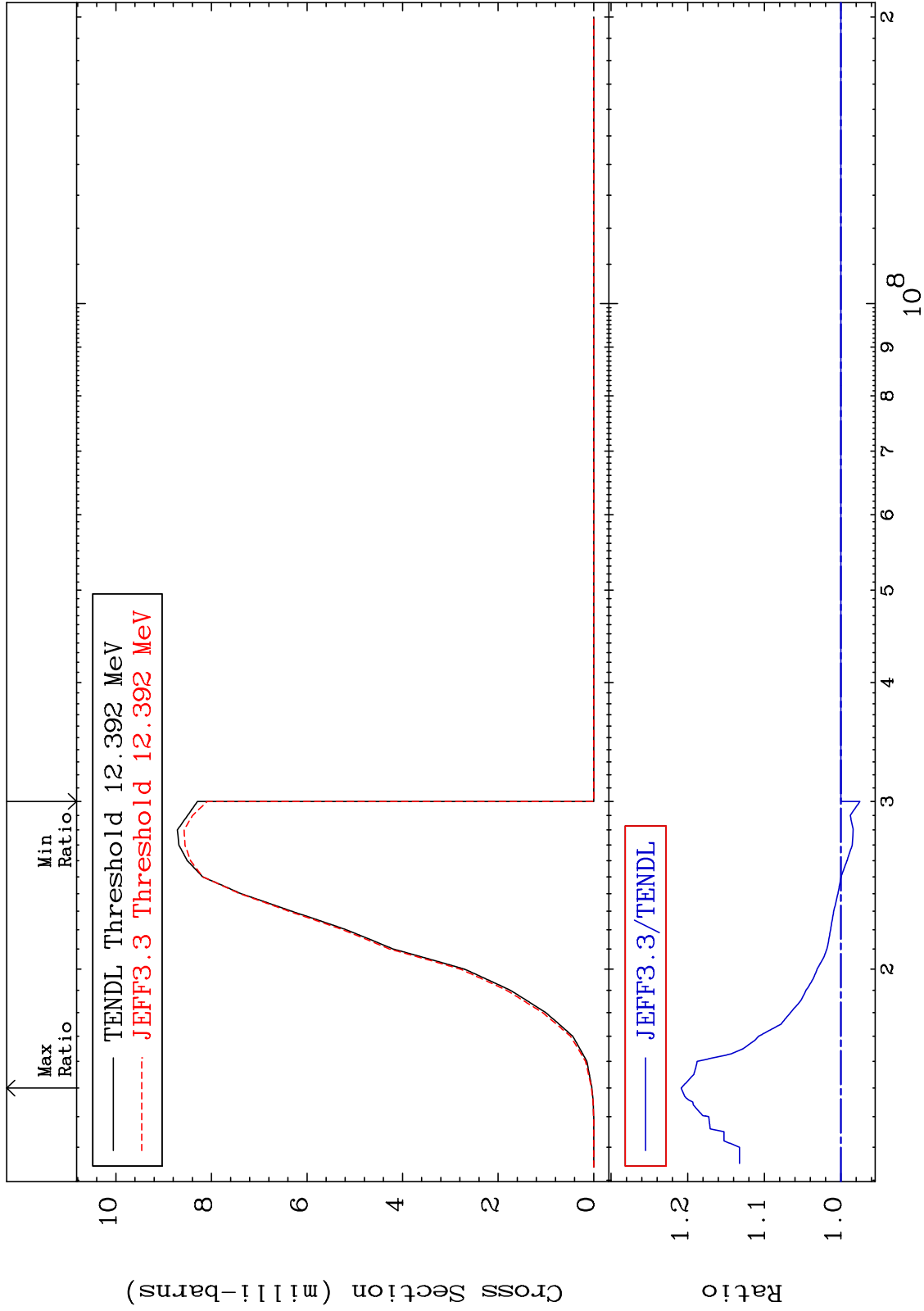
50

18-Ar-38

18-Ar-38

Cross Section

-2.486 To 20.85 %



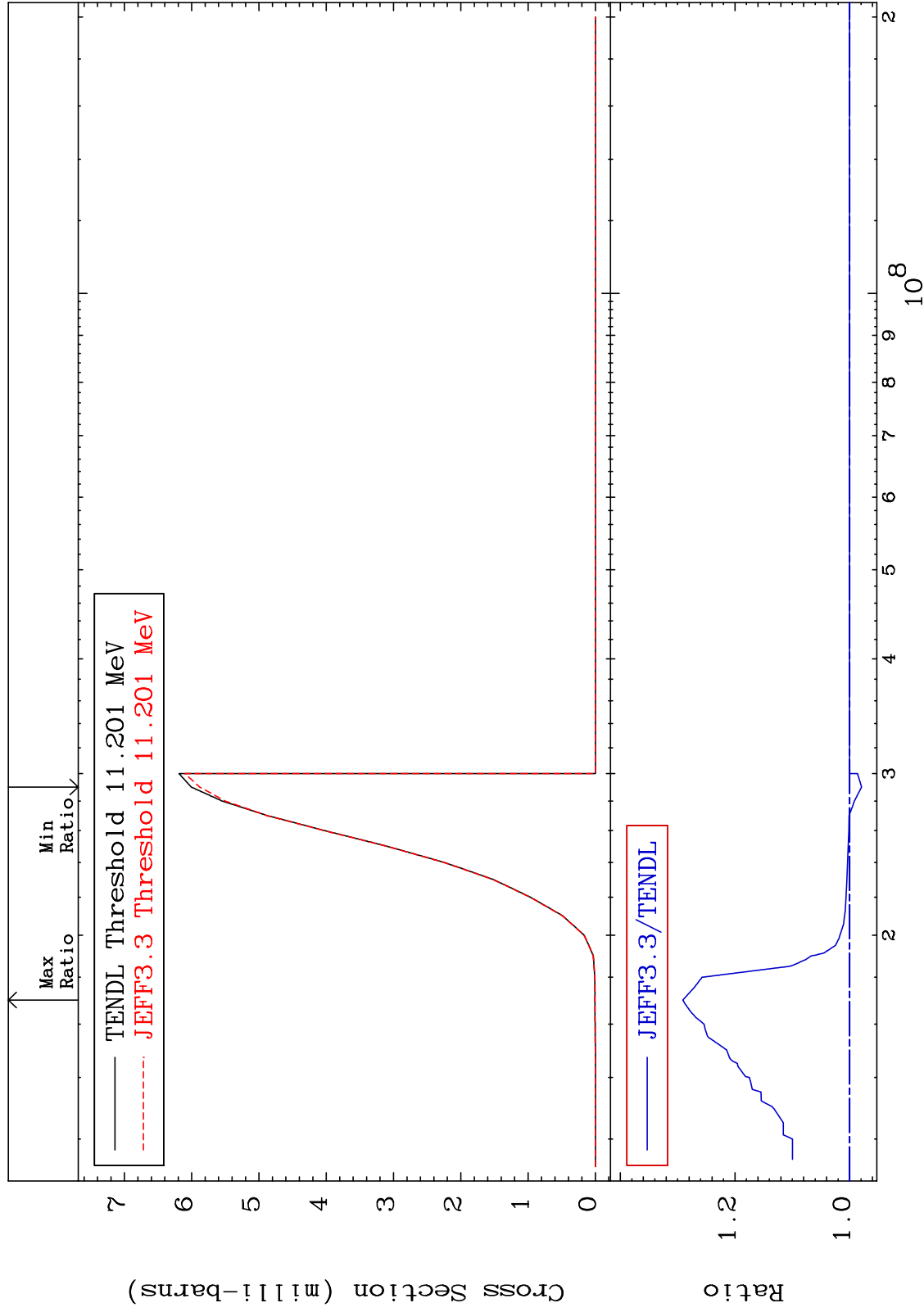
MAT 1831

(n, He-3)

18-Ar-38

Cross Section

-2.096 To 29.09 %



52

18-Ar-38

18-Ar-38

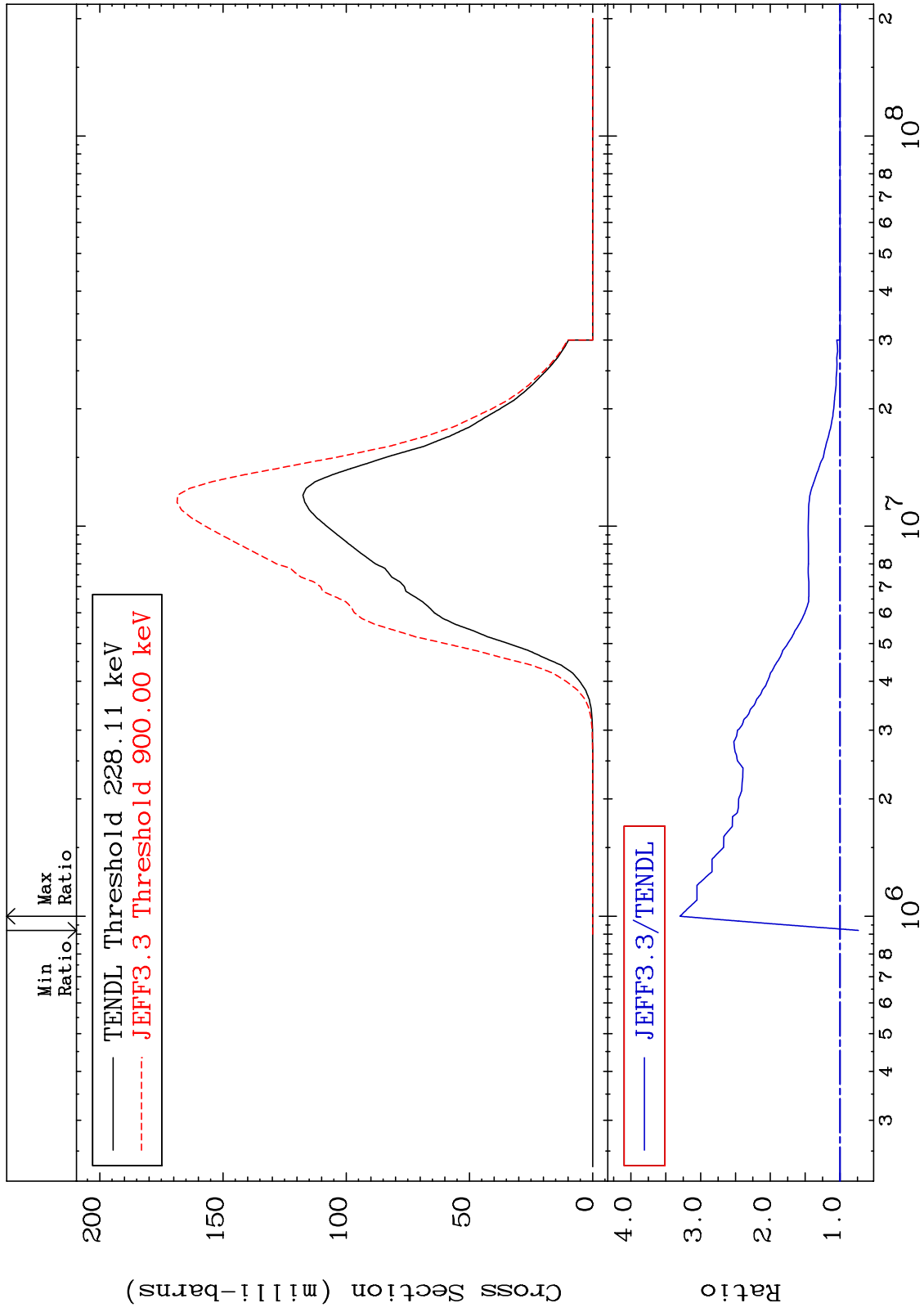
MAT 1831

(n,  $\alpha$ )

18-Ar-38

Cross Section

-26.46 To 229.6 %



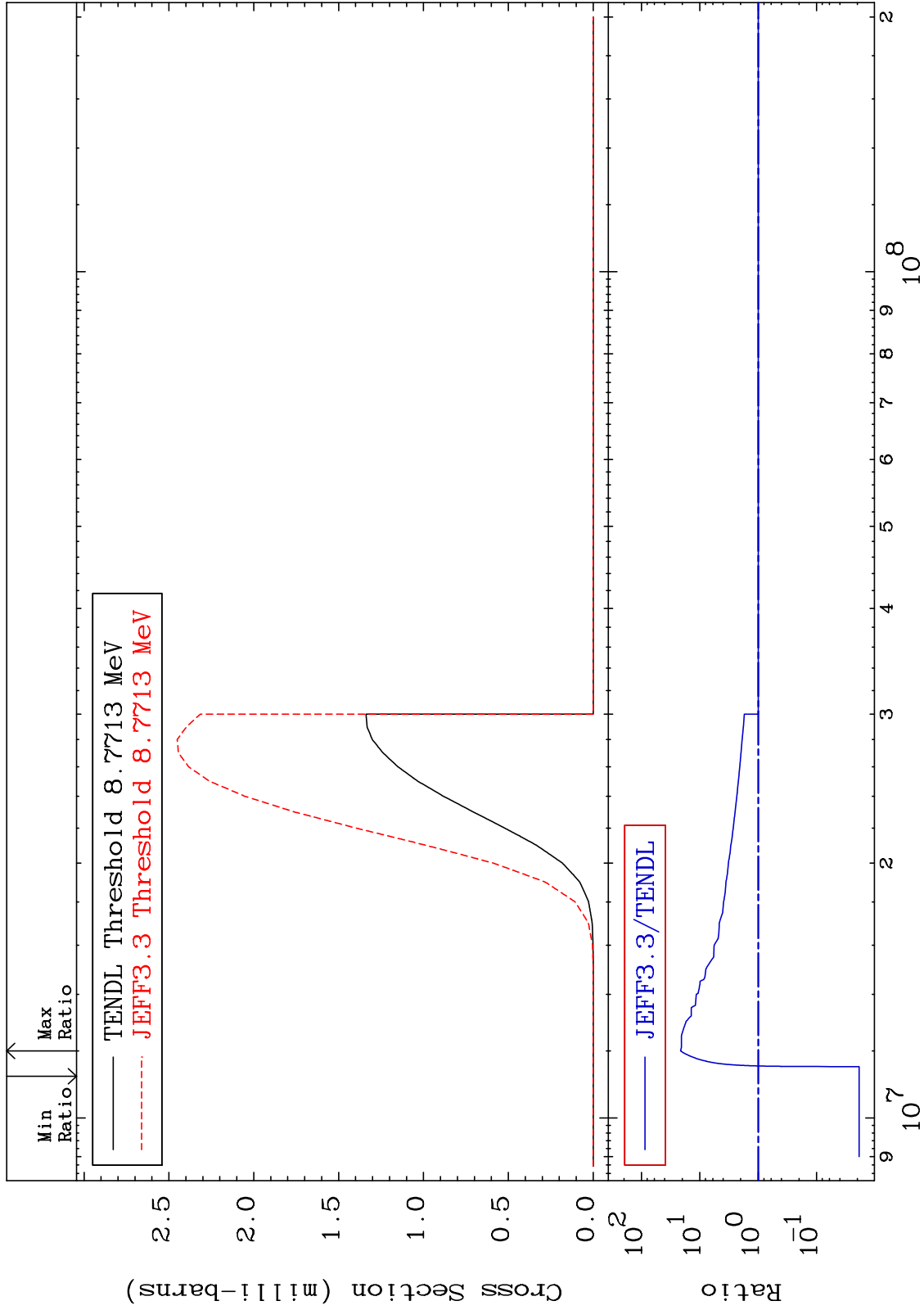
53

18-Ar-38

18-Ar-38

Cross Section

-98.14 To 2035. %



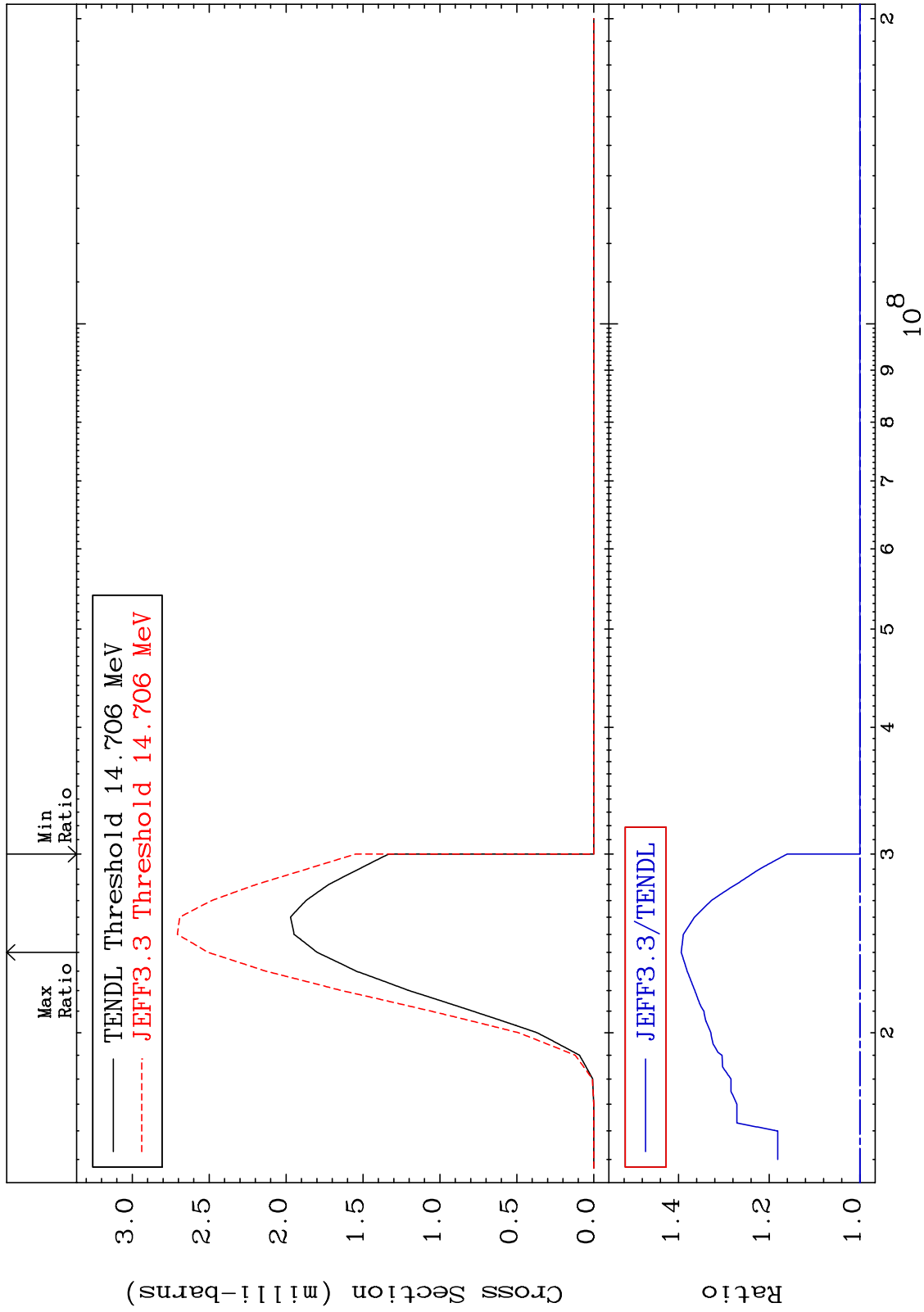
MAT 1831

(n,2p)

18-Ar-38

Cross Section

0.000 To 39.43 %





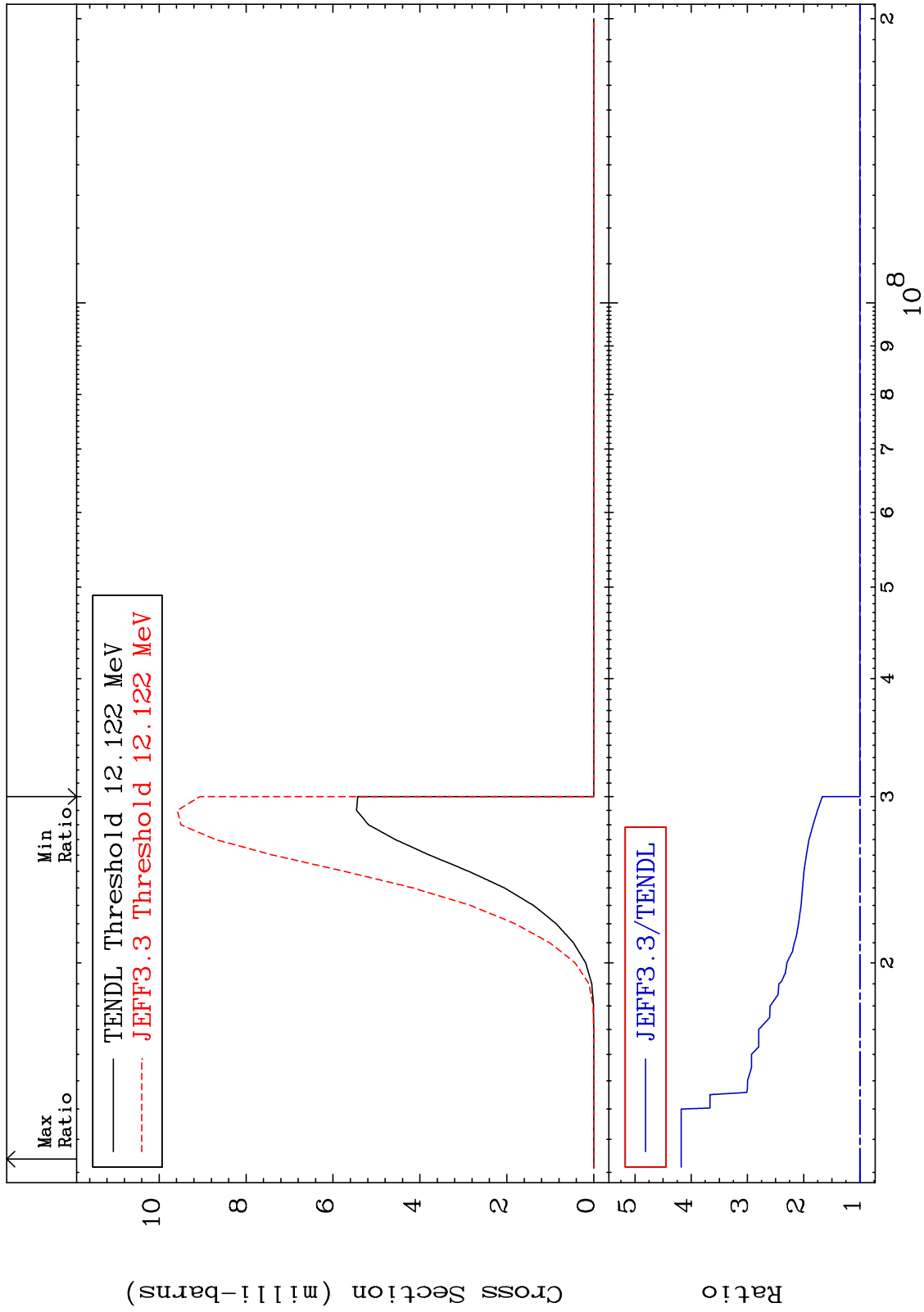
MAT 1831

(n,p)  $\alpha$

18-Ar-38

Cross Section

0.000 To 317.8 %



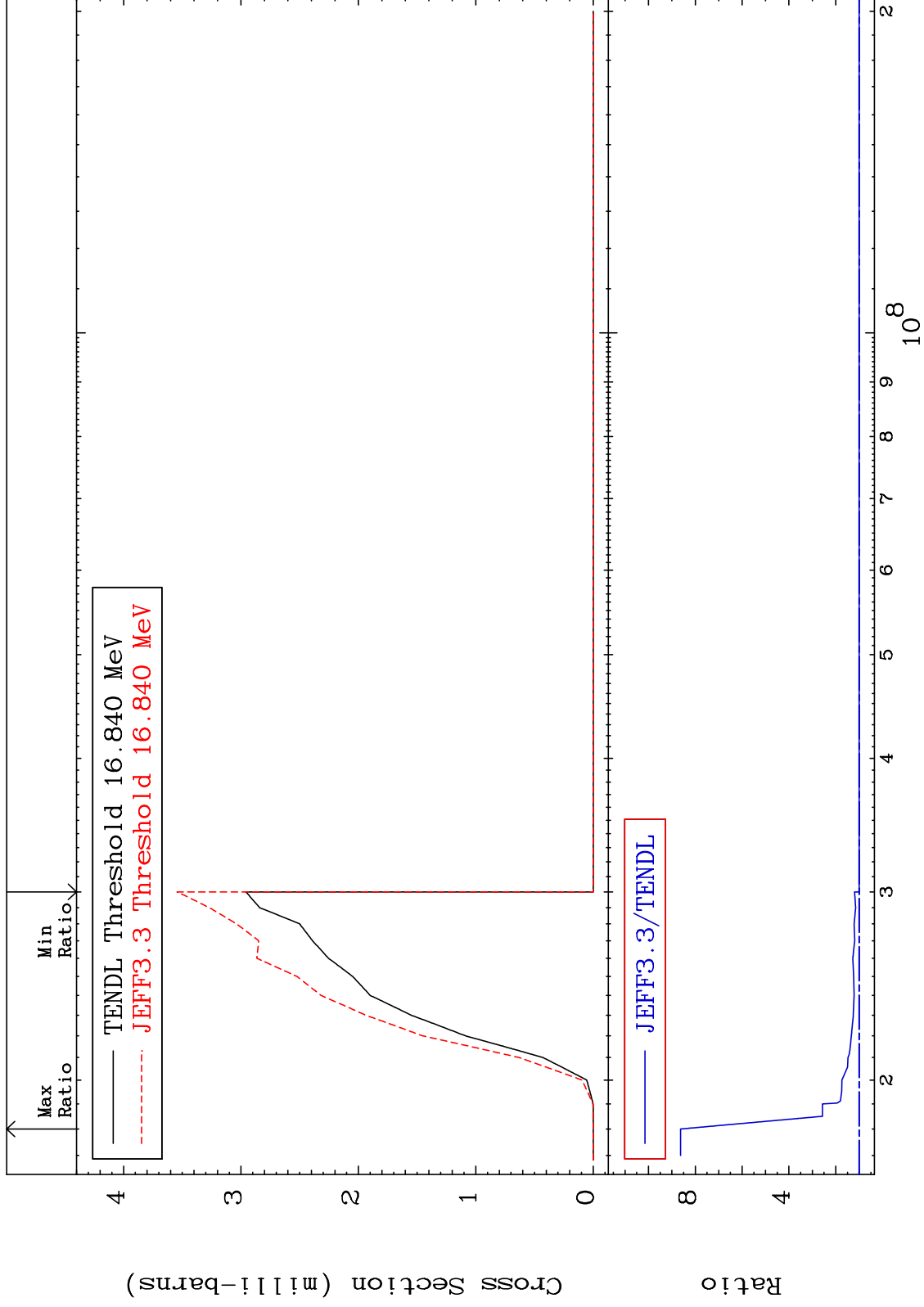
MAT 1831

(n,p) d

18-Ar-38

Cross Section

0.000 To 762.7 %



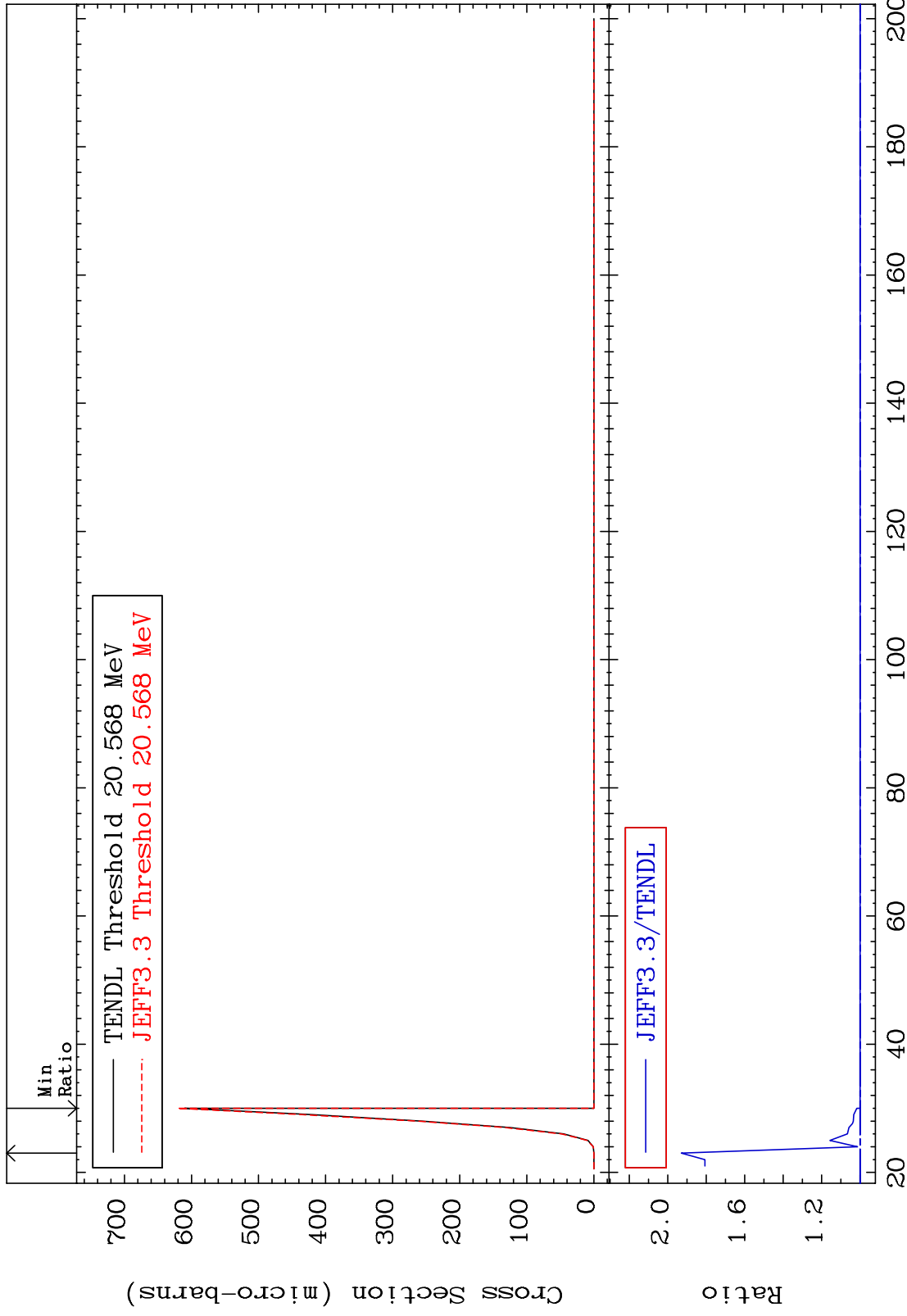
MAT 1831

(n,p) t

18-Ar-38

Cross Section

0.000 To 92.94 %



Incident Energy (MeV)

18-Ar-38

58

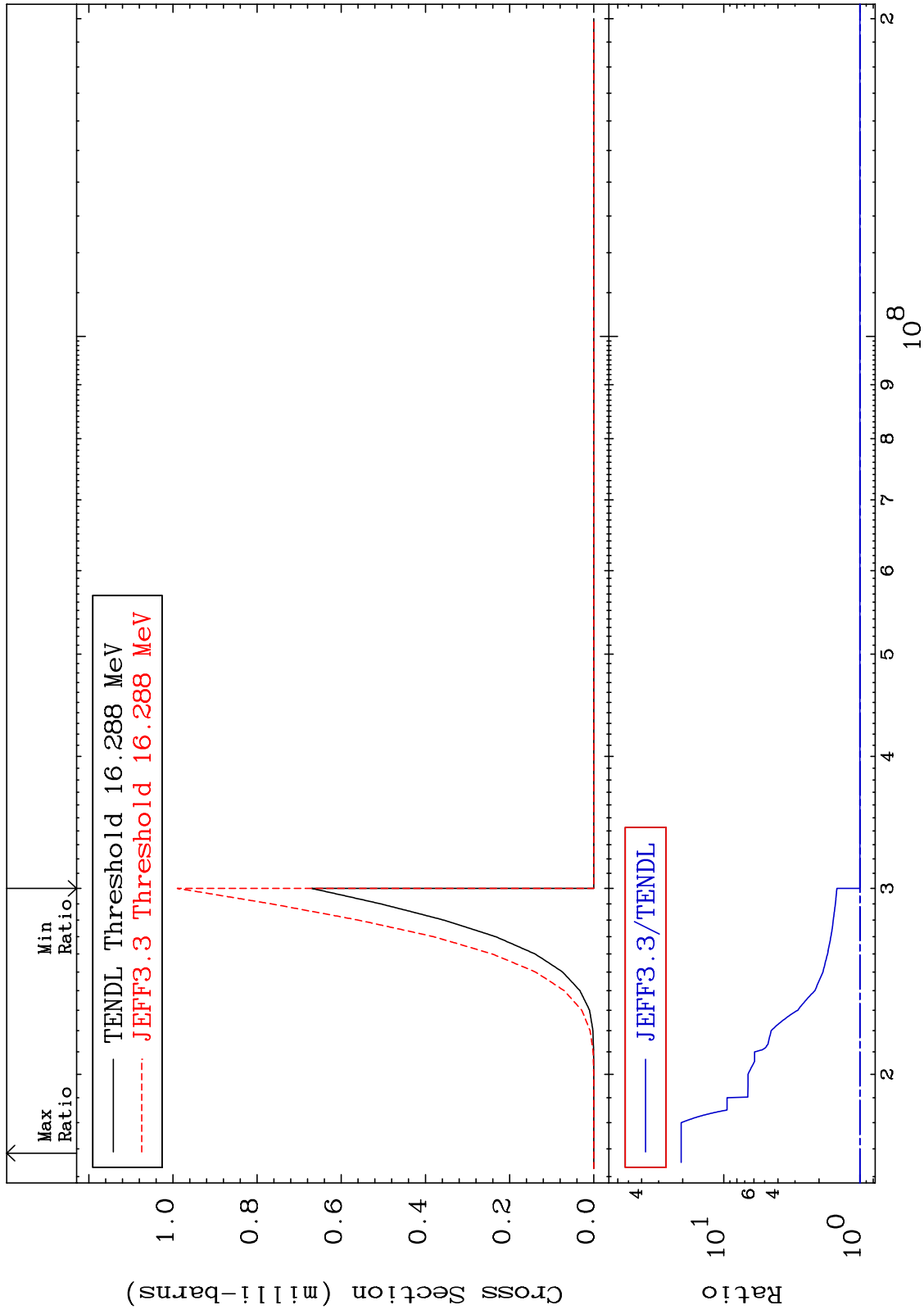
MAT 1831

(n,d)  $\alpha$

18-Ar-38

Cross Section

0.000 To 1951. %



59

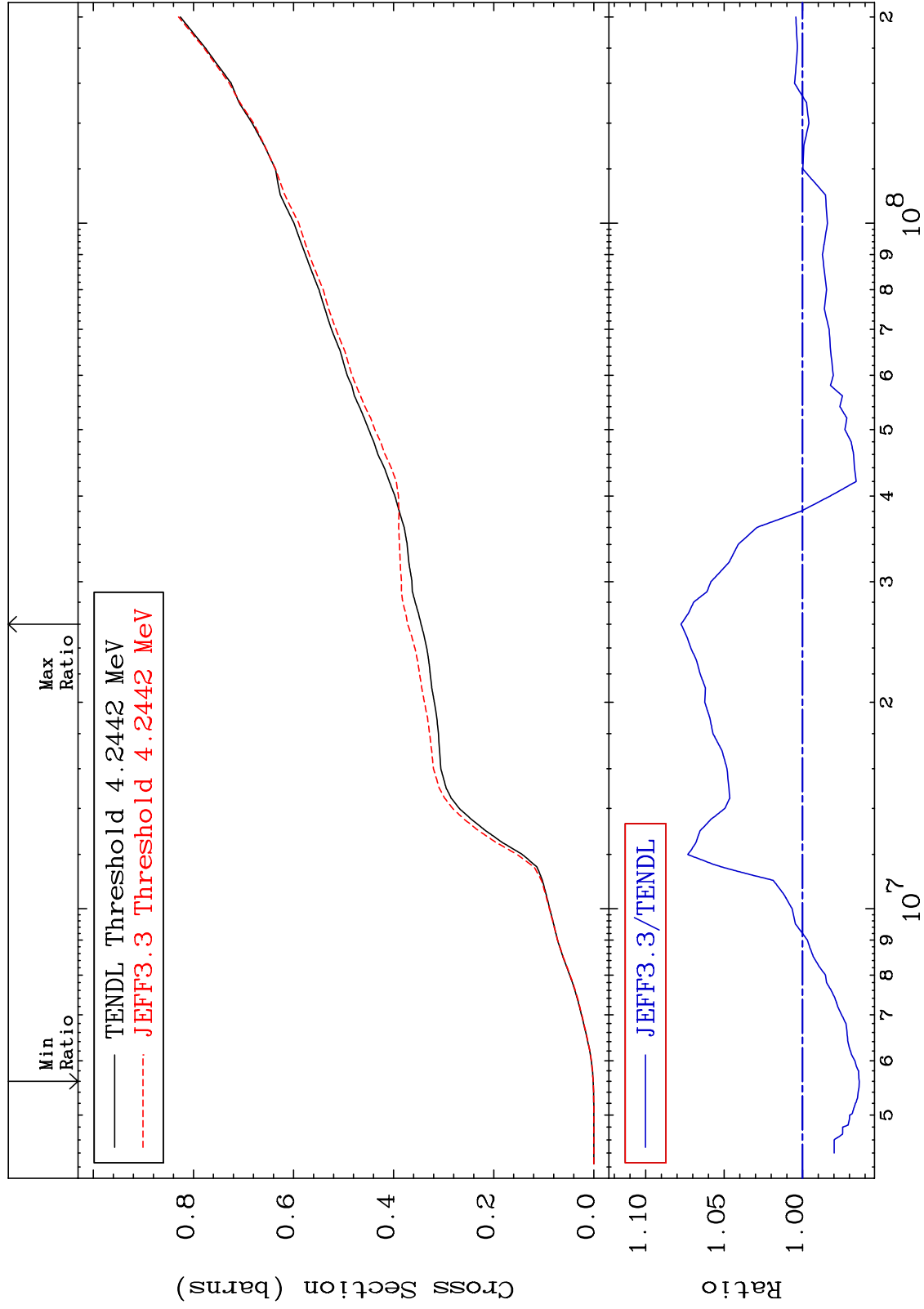
Incident Energy (eV)

18-Ar-38

MAT 1831

Hydrogen Production  
Cross Section

18-Ar-38  
-3.622 To 7.746 %



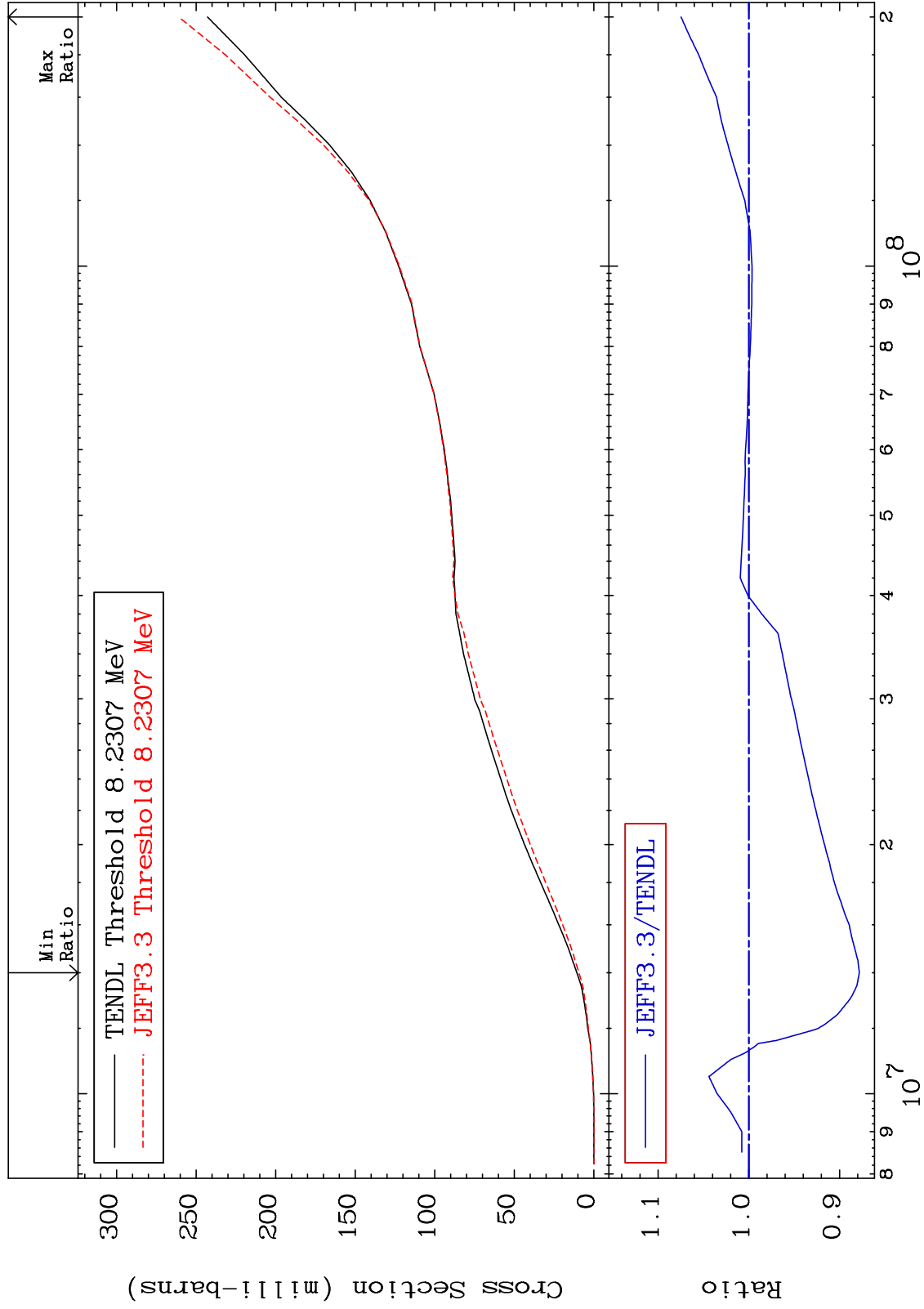
60

18-Ar-38

MAT 1831

Deuterium Production  
Cross Section

18-Ar-38  
-12.18 To 7.469 %



61

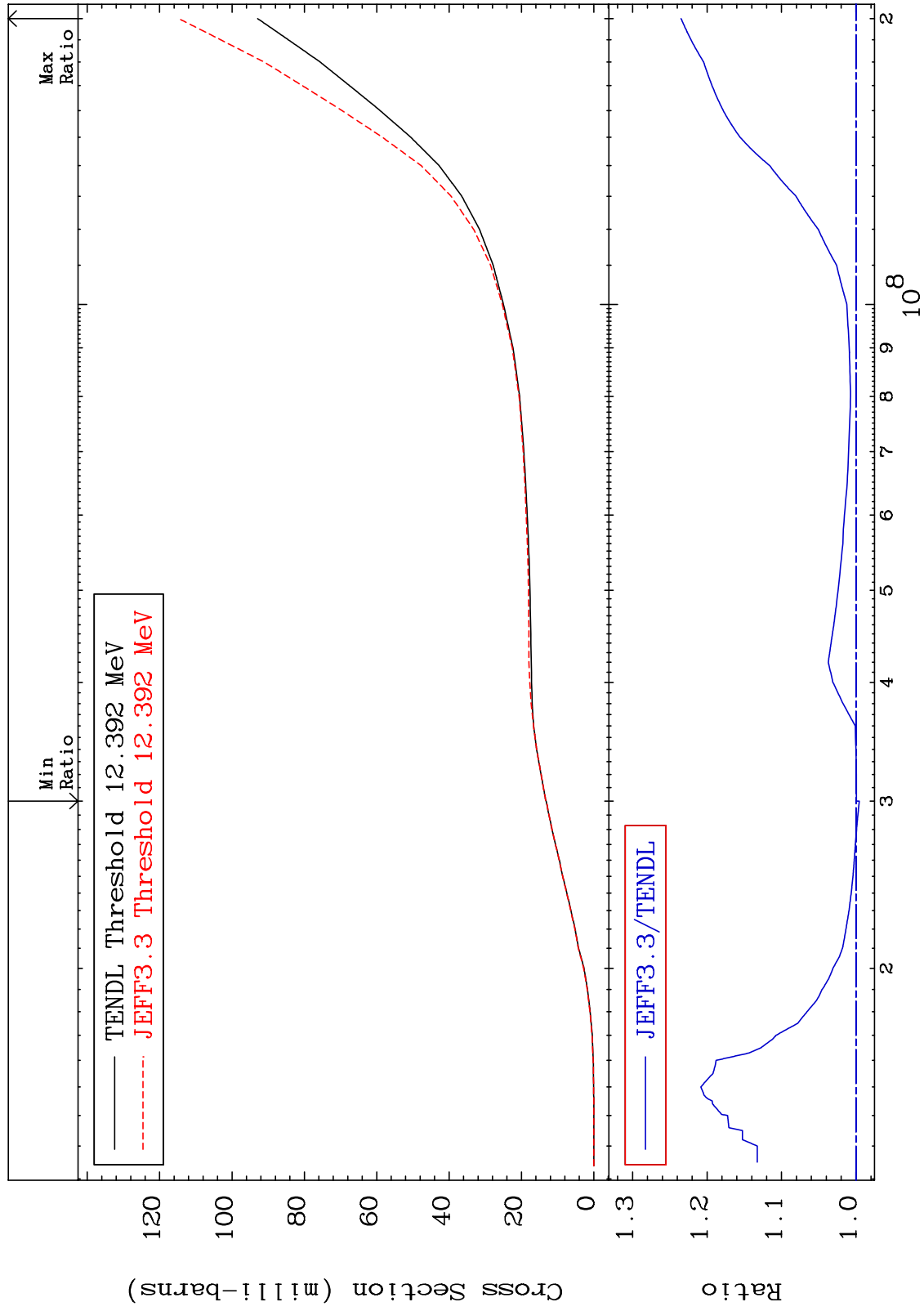
Incident Energy (eV)

18-Ar-38

MAT 1831

Tritium Production  
Cross Section

18-Ar-38  
-0.436 To 23.49 %



62

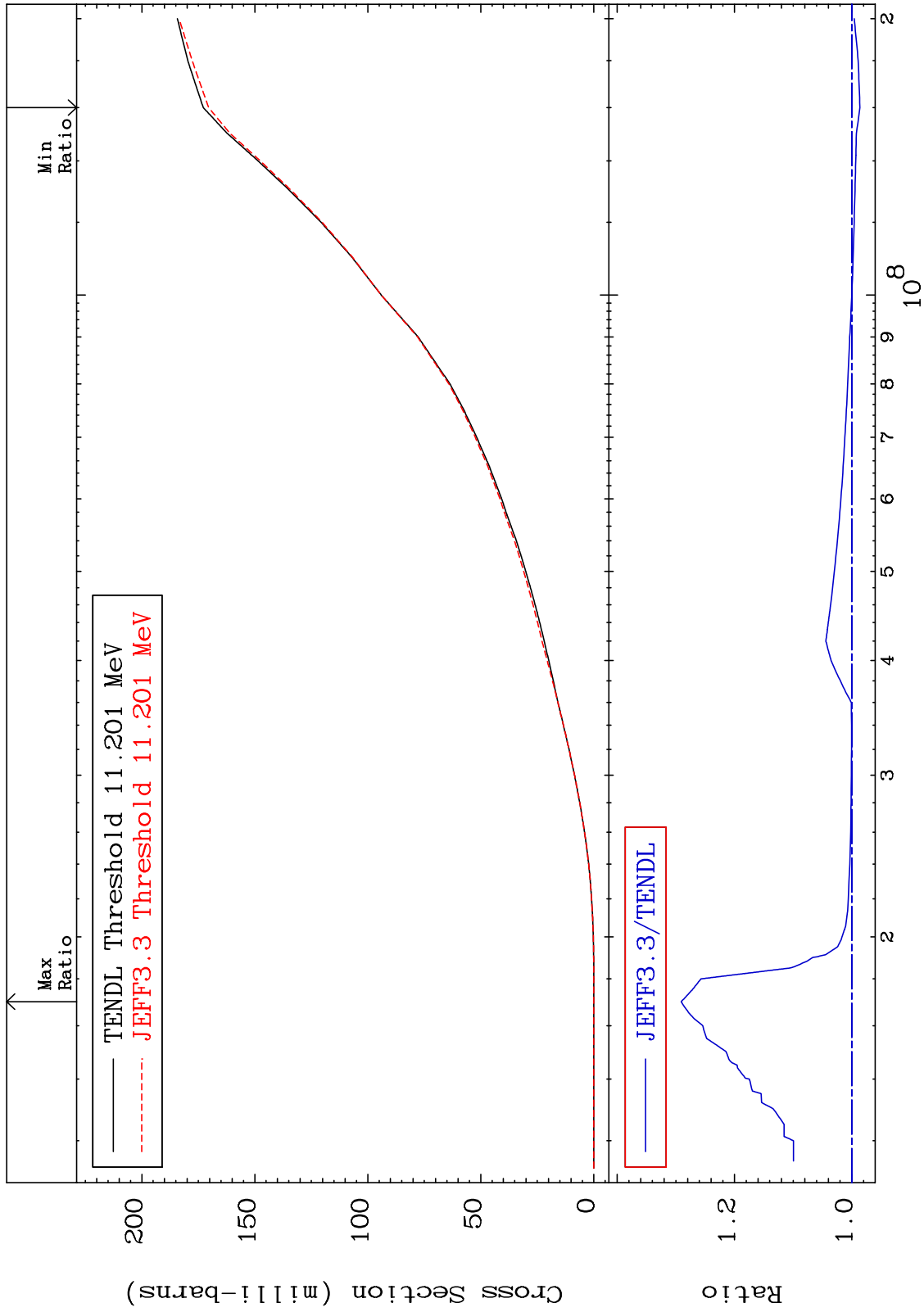
Incident Energy (eV)

18-Ar-38

MAT 1831

He-3 Production  
Cross Section

18-Ar-38  
-1.380 To 29.09 %



63

18-Ar-38

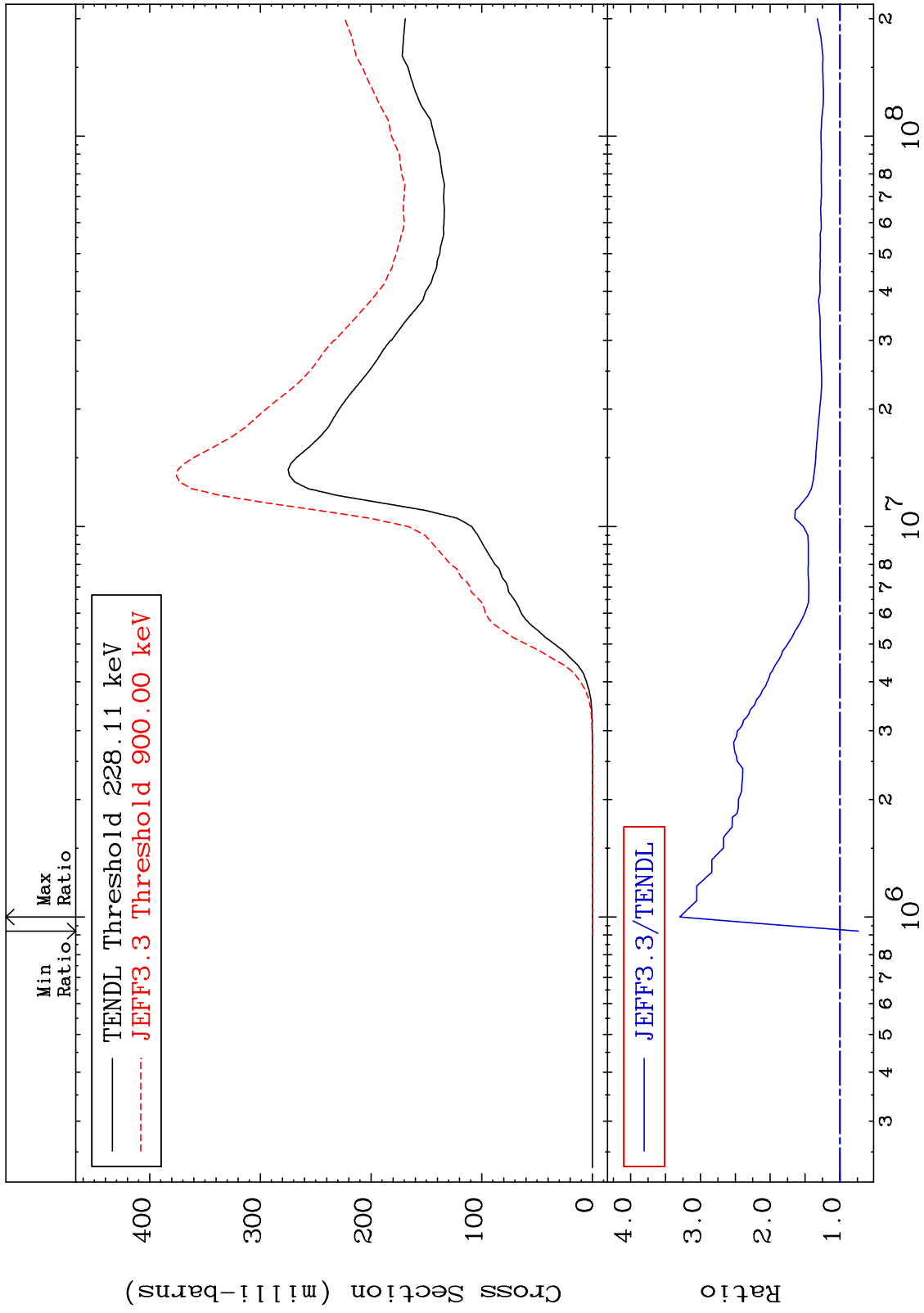
18-Ar-38



MAT 1831

He-4 Production  
Cross Section

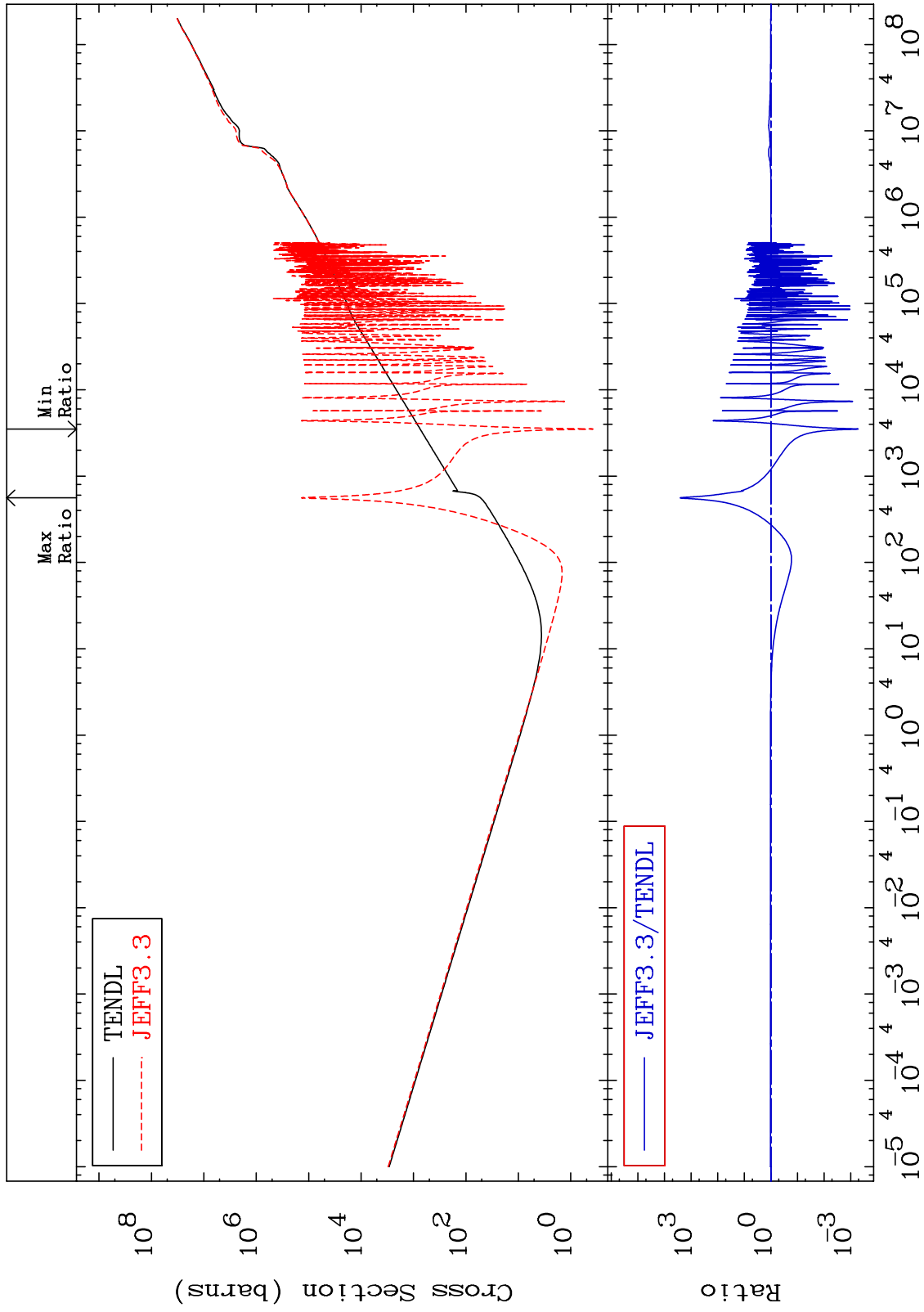
18-Ar-38  
-26.46 To 229.6 %



MAT 1831

Kerma total (eV-barns)  
Cross Section

18-Ar-38  
-99.95 To 9999. %

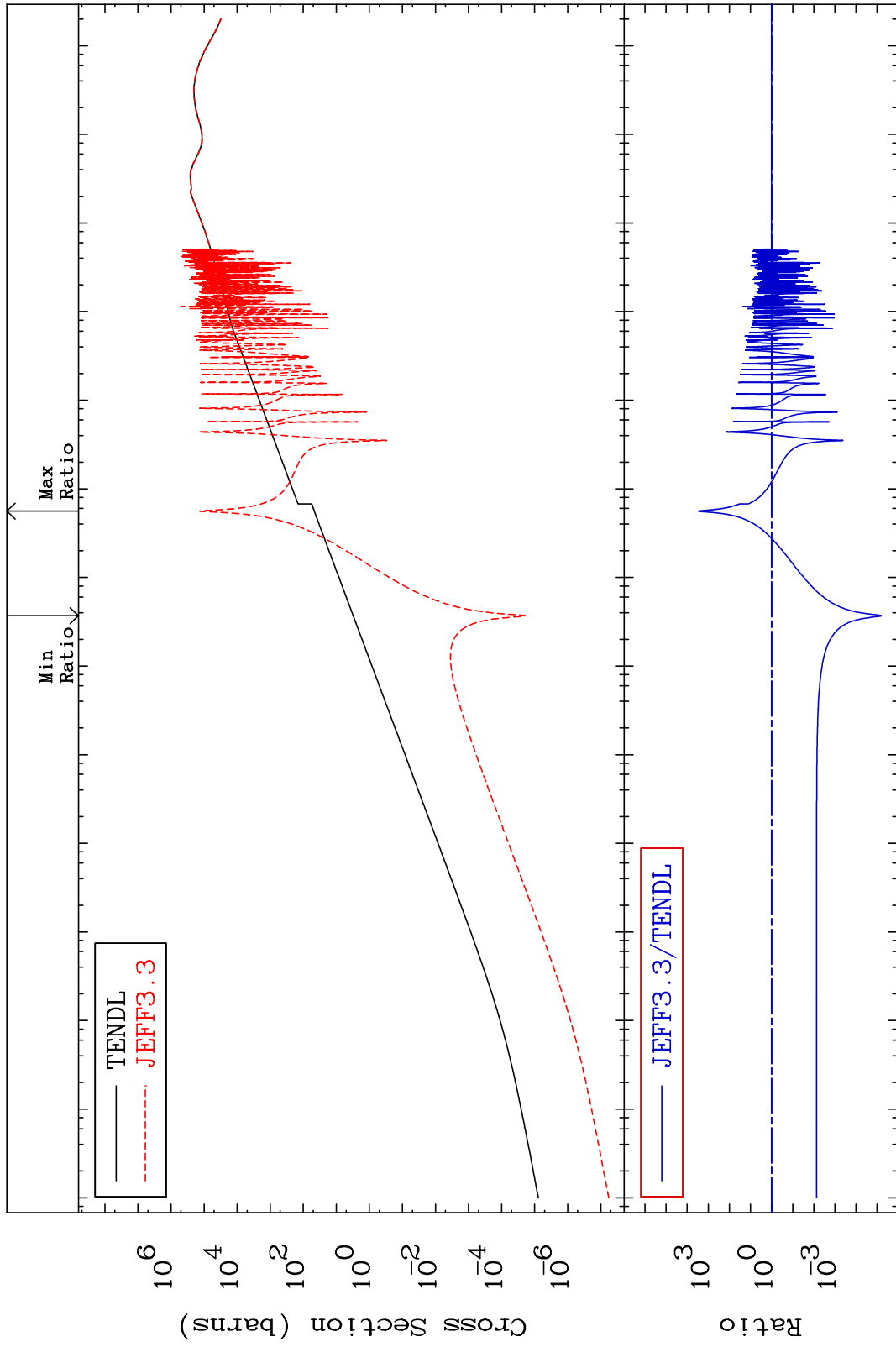


65

MAT 1831

Kerma elastic  
Cross Section

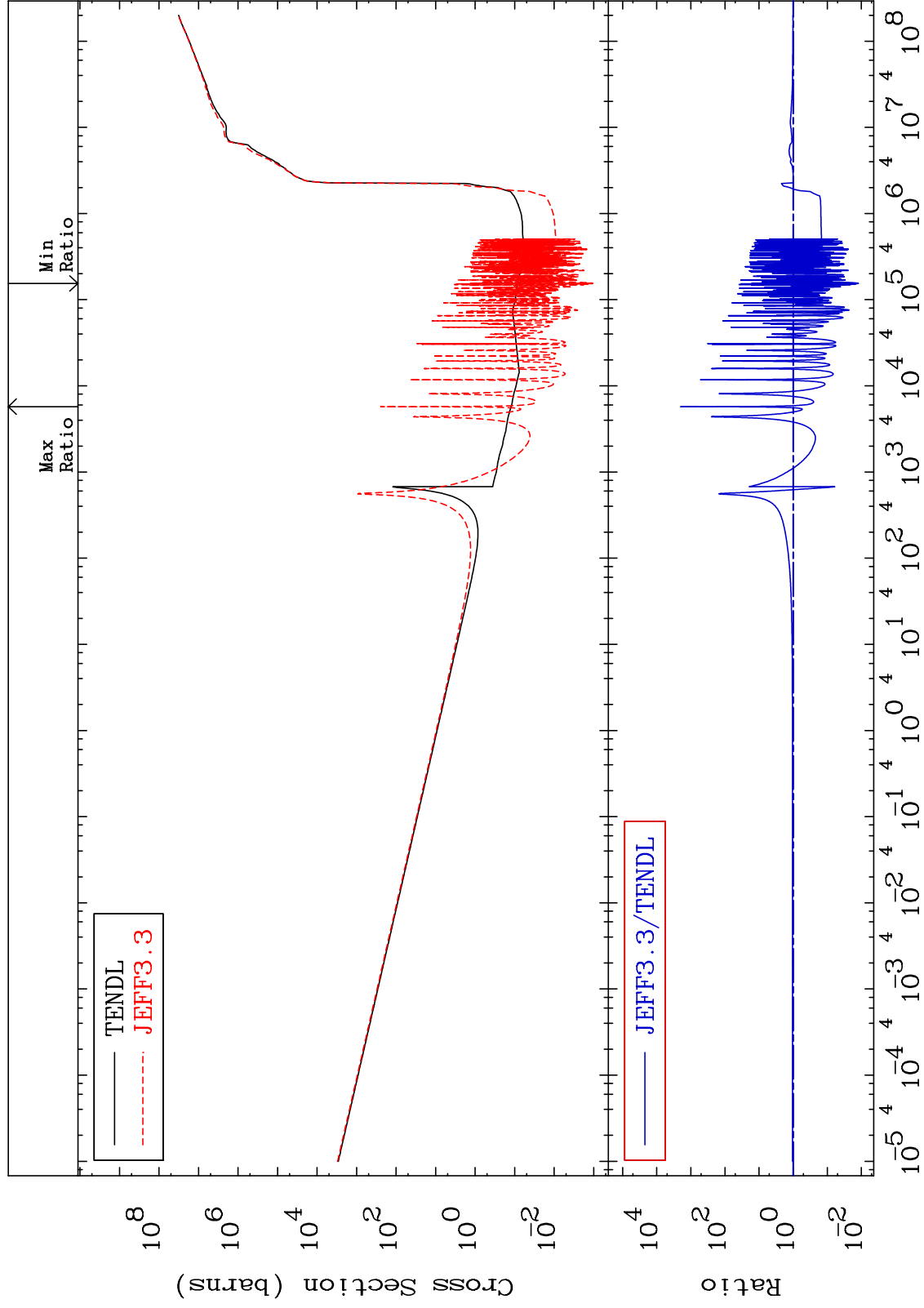
18-Ar-38  
-100.0 To 9999. %



MAT 1831

Kerma non-elastic (all but mt2)  
Cross Section

18-Ar-38  
-98.79 To 9999. %



67

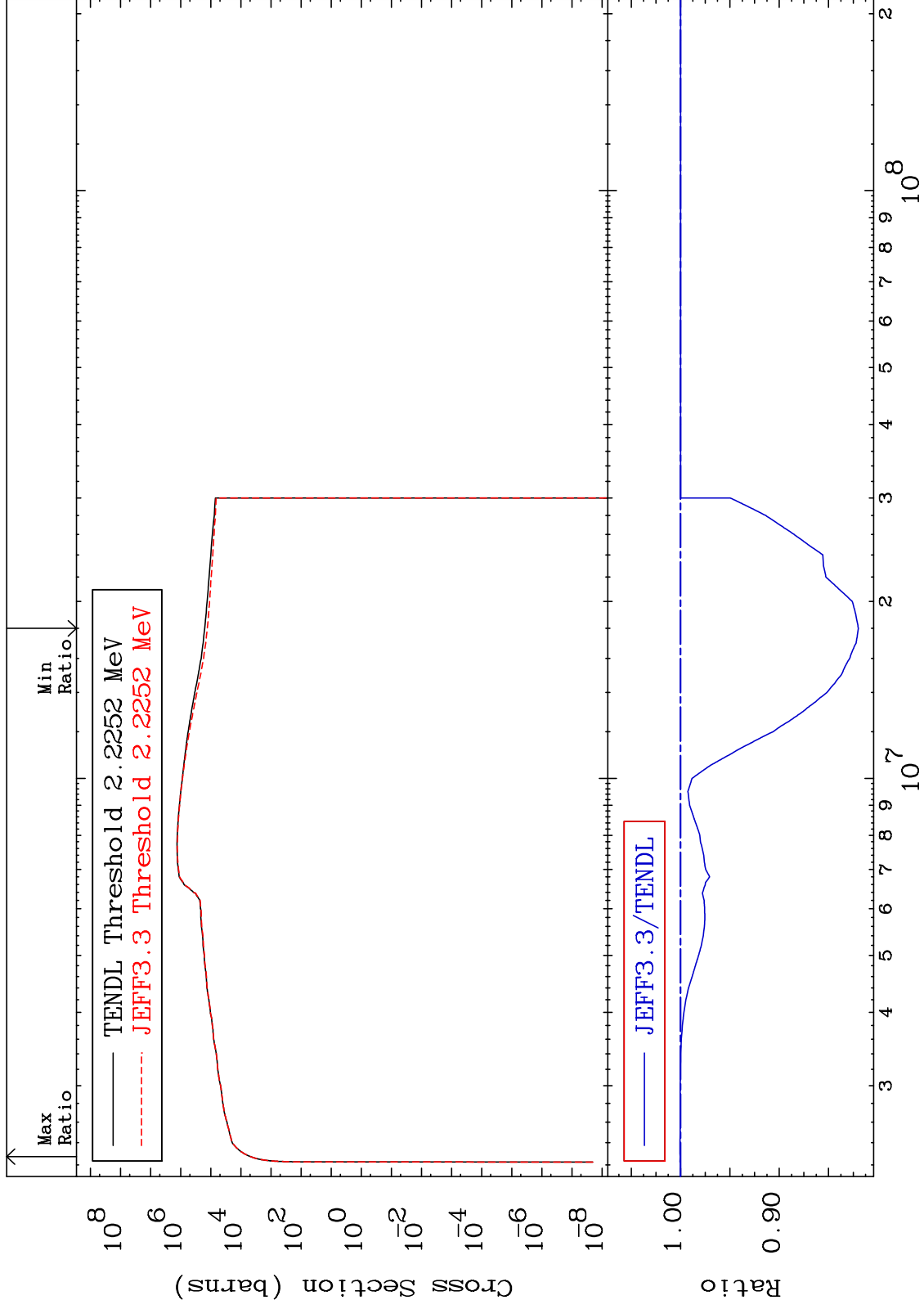
Incident Energy (eV)

18-Ar-38

MAT 1831

Kerma inelastic (mt51-91)  
Cross Section

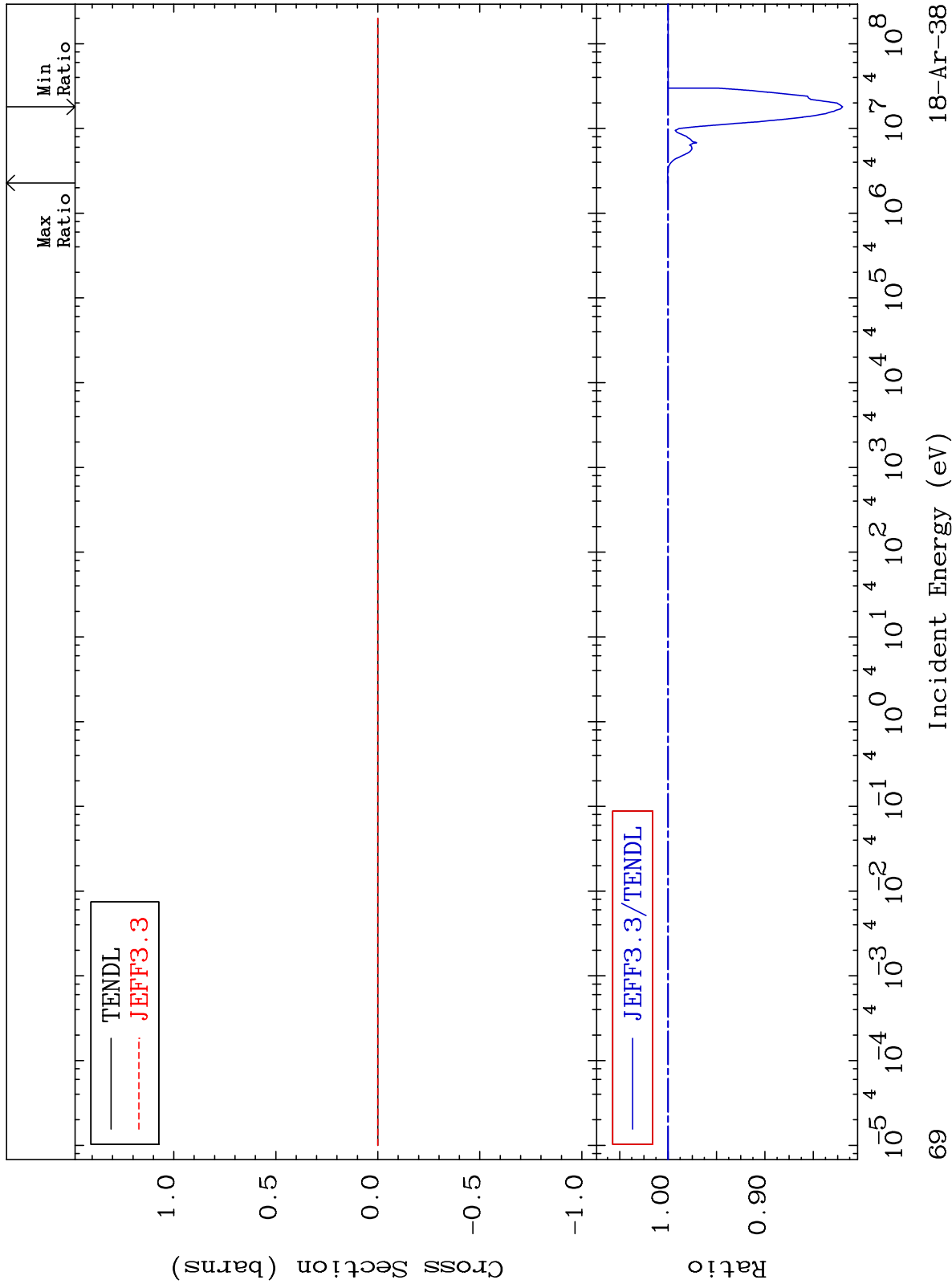
18-Ar-38  
-18.02 To 0.056 %



MAT 1831

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

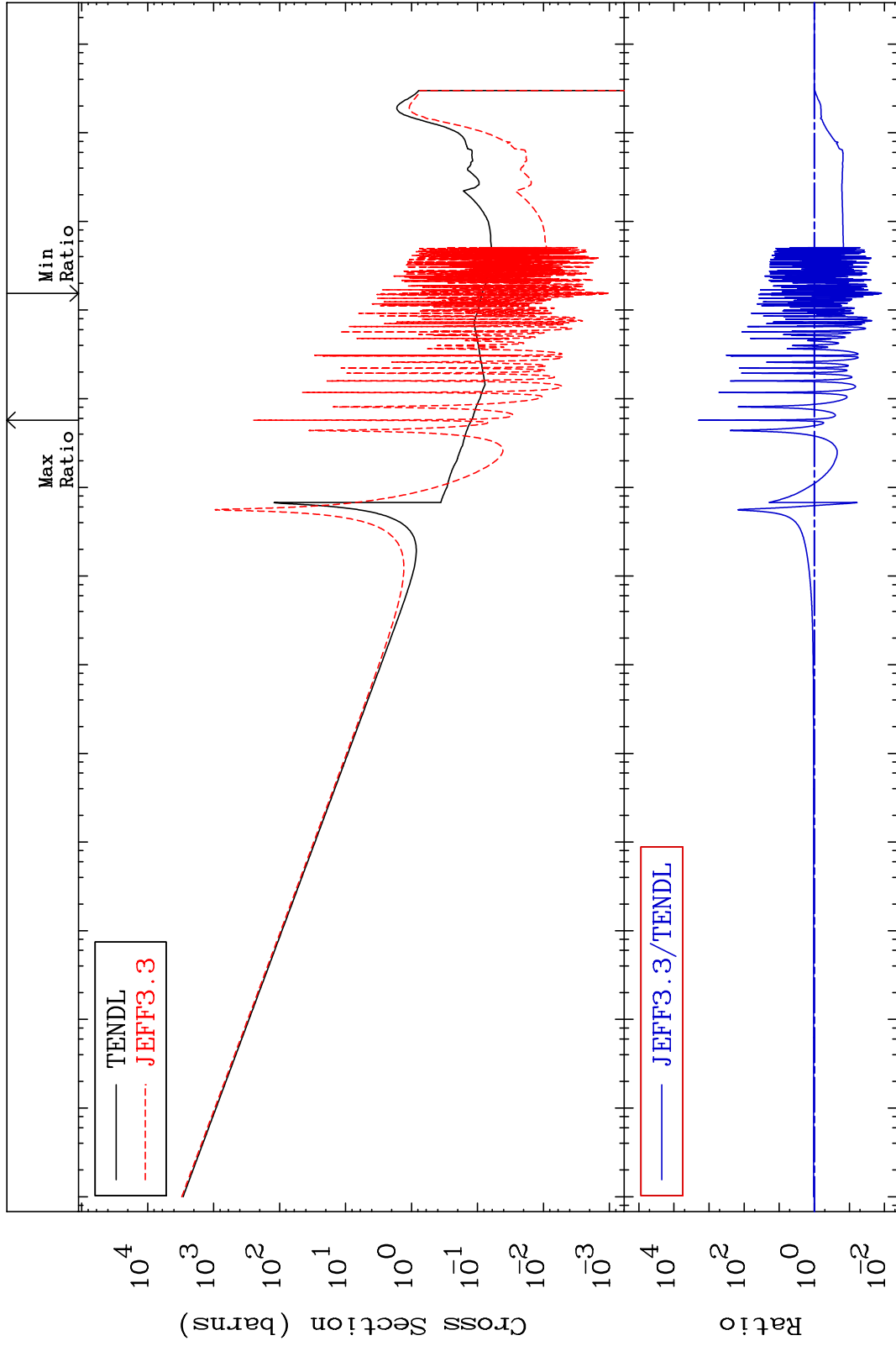
18-Ar-38  
-18.02 To 0.056 %



MAT 1831

Kerma capture (mt102)  
Cross Section

18-Ar-38  
-98.79 To 9999. %



70

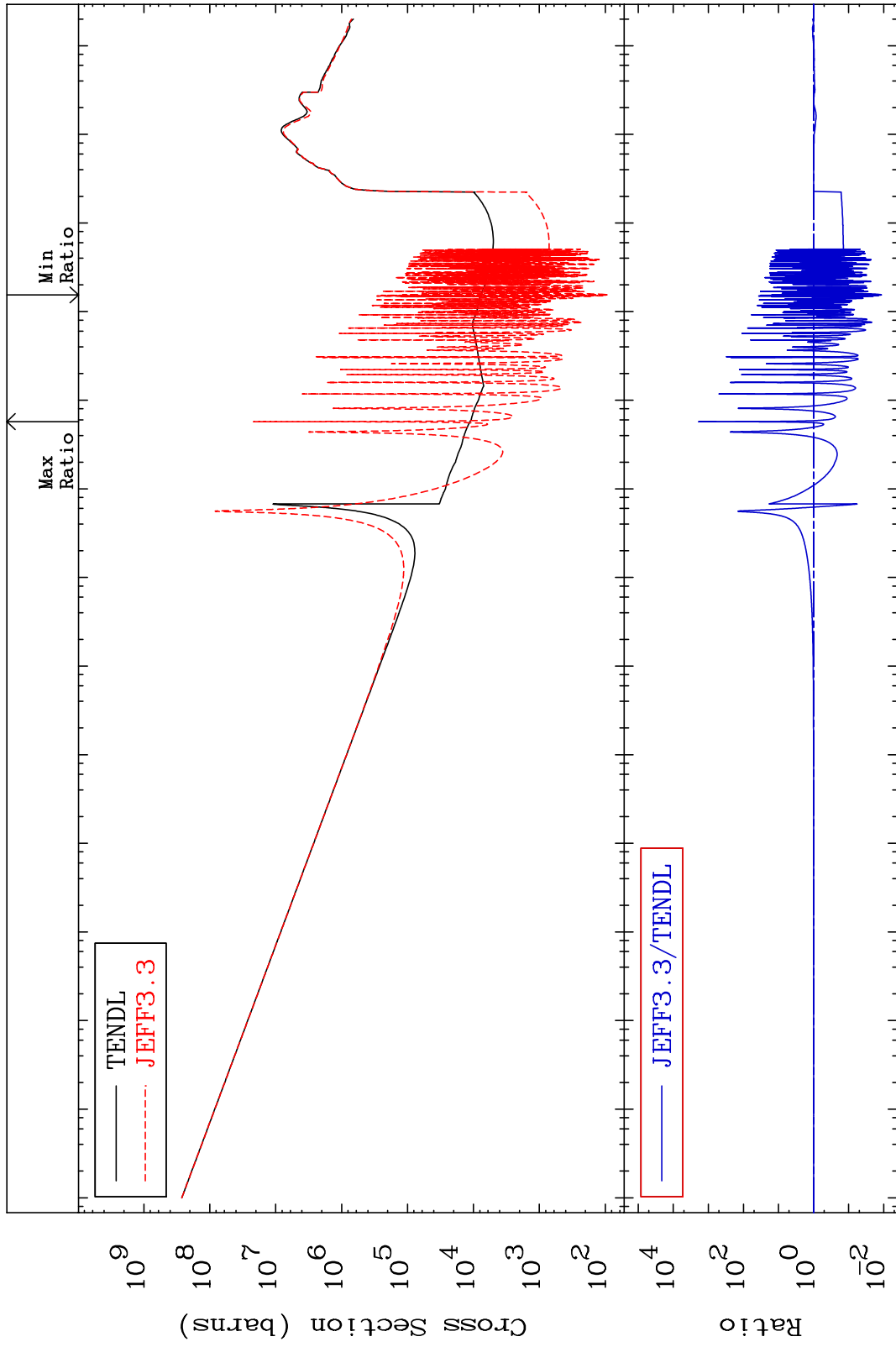
Incident Energy (eV)

18-Ar-38

MAT 1831

Total photon (eV-barns)  
Cross Section

18-Ar-38  
-98.85 To 9999. %



71

Incident Energy (eV)

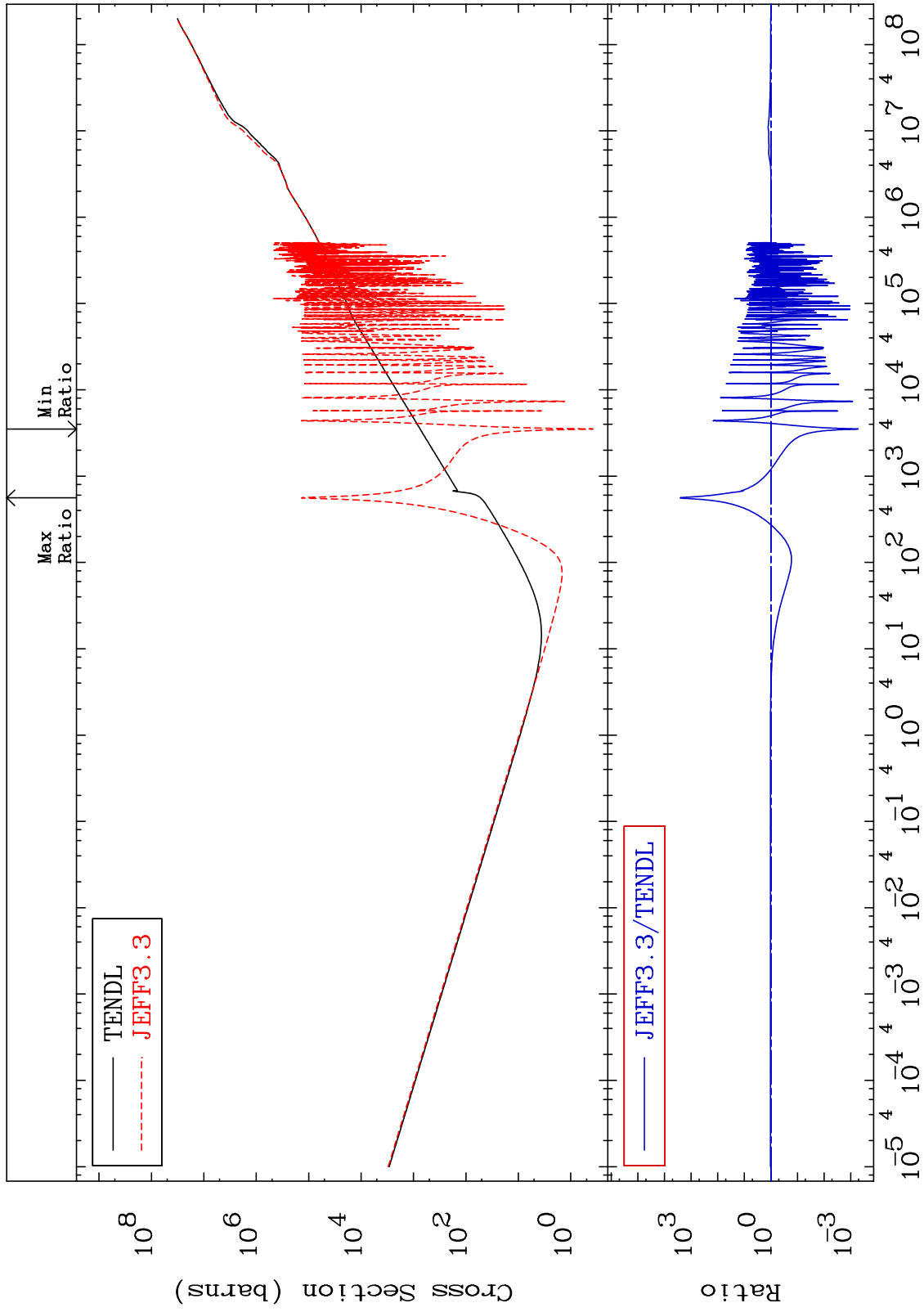
18-Ar-38



MAT 1831

Total kinematic kerma (high limit)  
Cross Section

18-Ar-38  
-99.95 To 9999. %



72

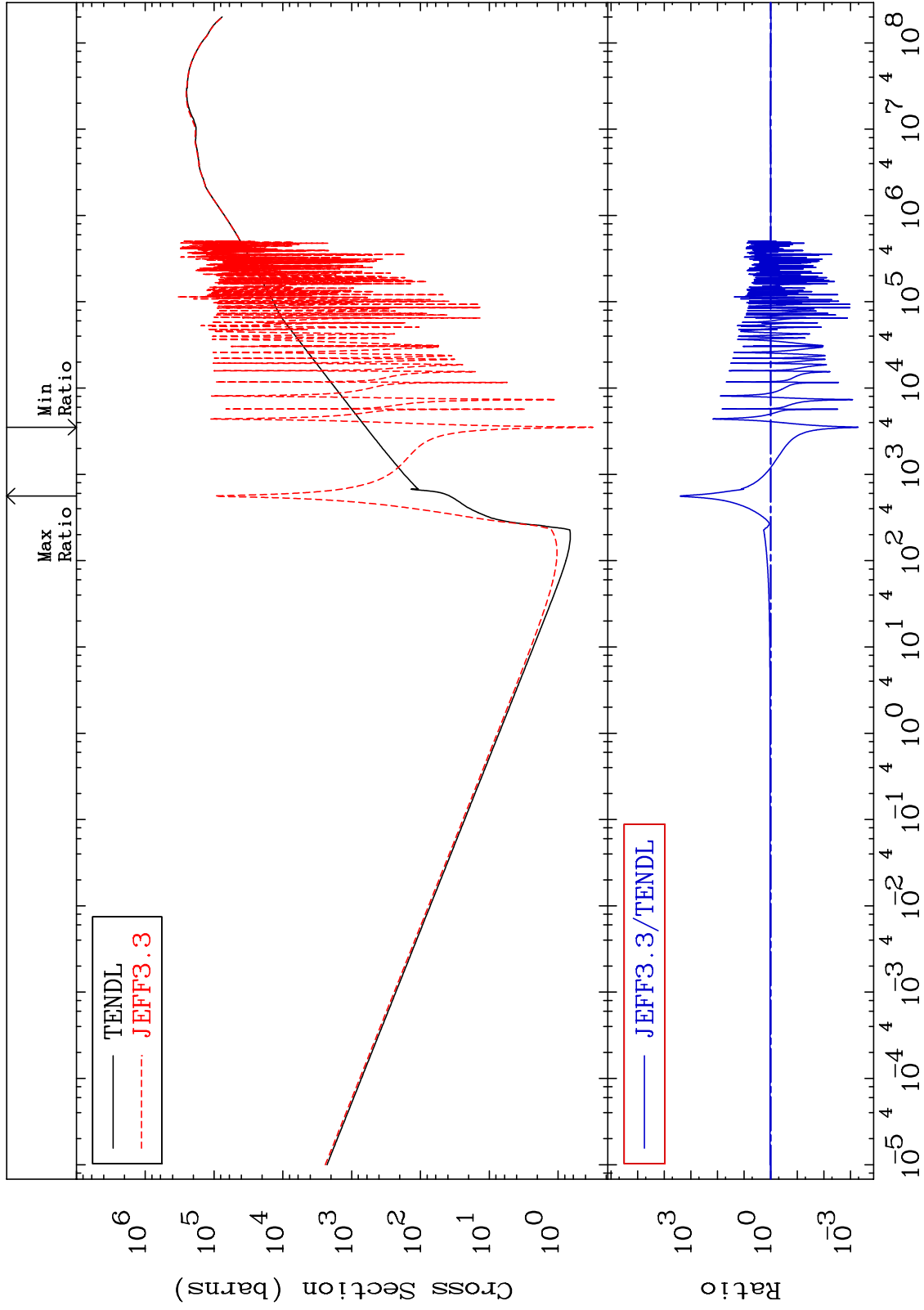
Incident Energy (eV)

18-Ar-38

MAT 1831

Dpa total (eV-barns)  
Cross Section

18-Ar-38  
-99.95 To 9999. %



73

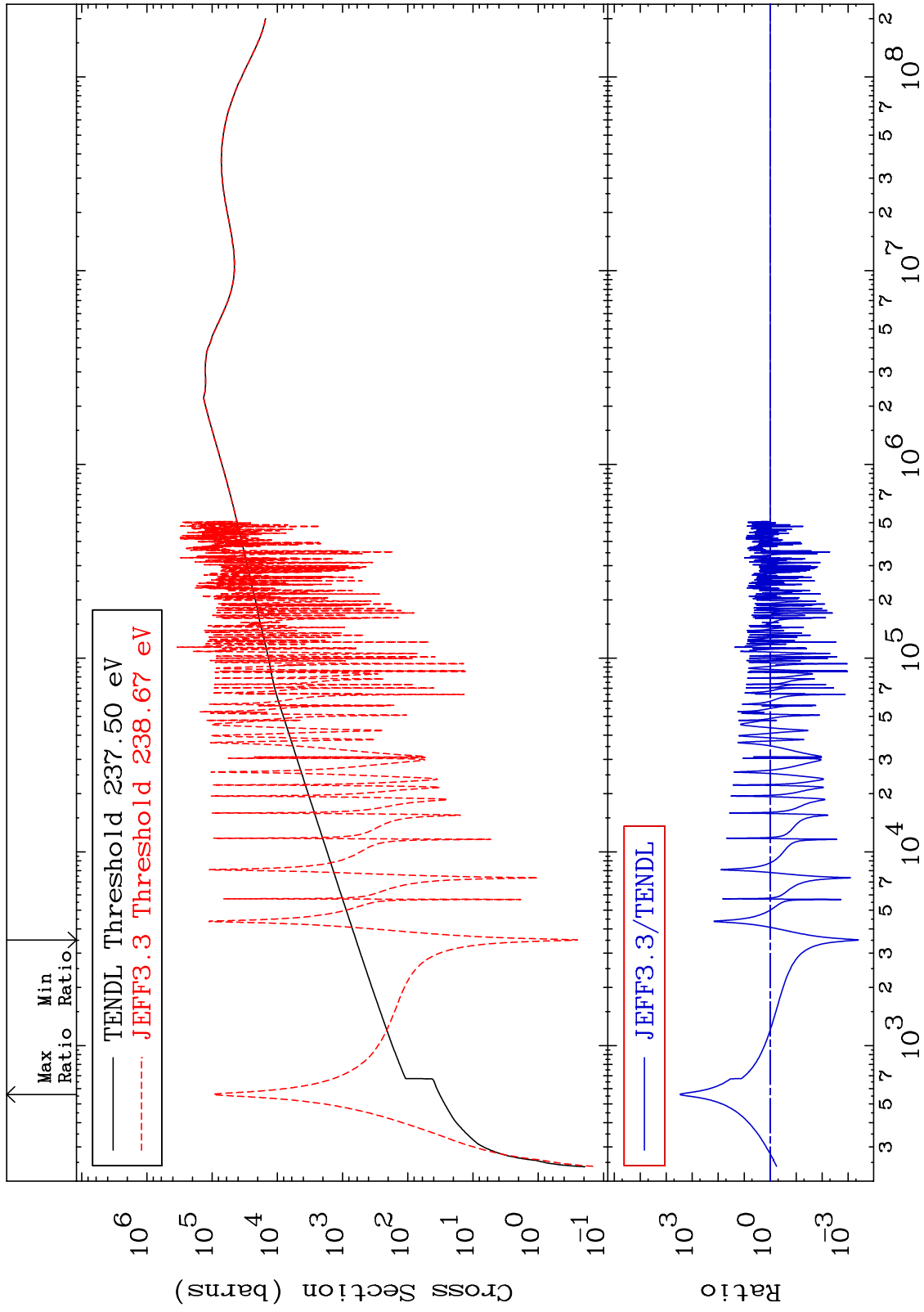
Incident Energy (eV)

18-Ar-38

MAT 1831

Dpa elastic (mt2)  
Cross Section

18-Ar-38  
-99.96 To 9999. %



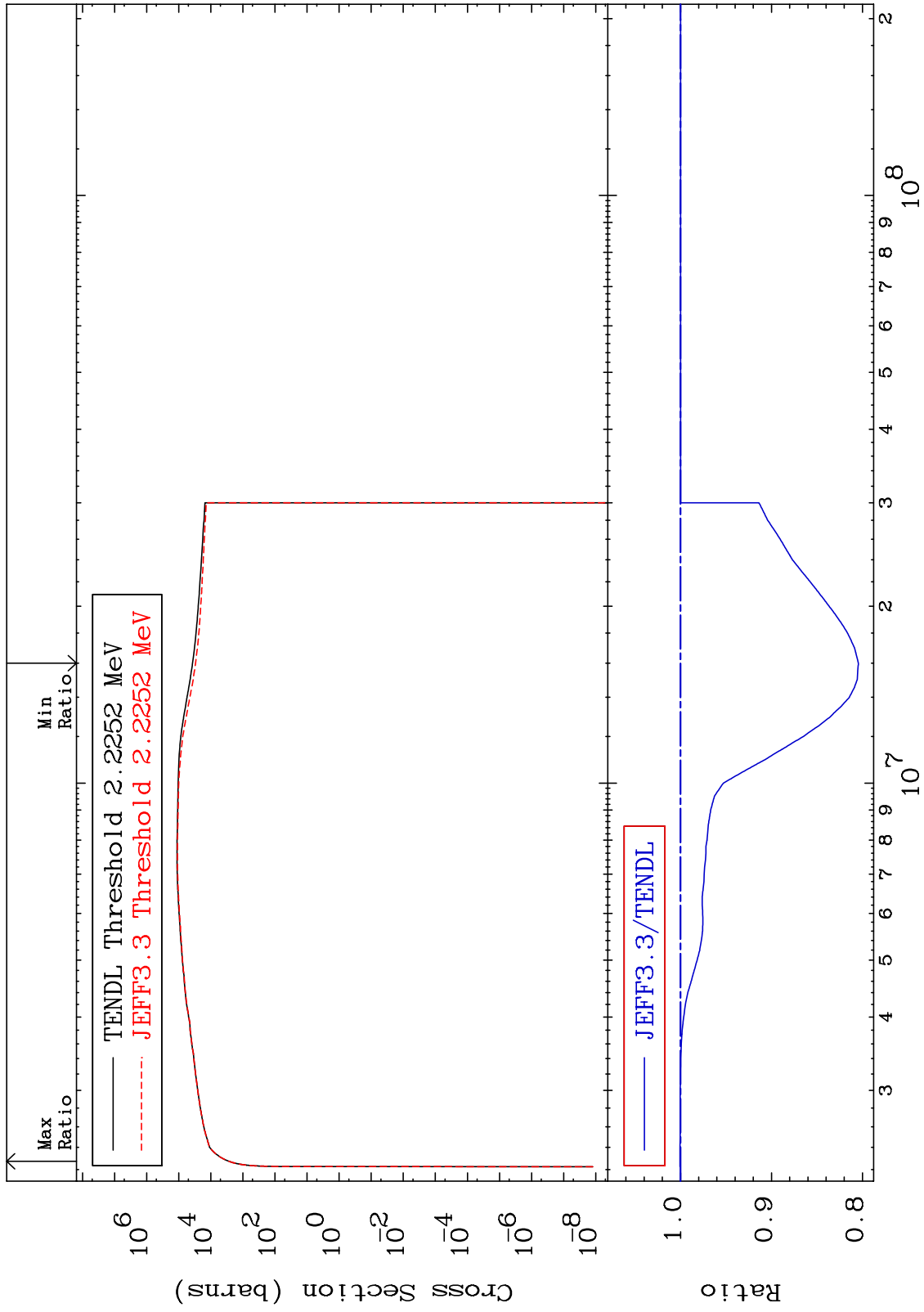
74

18-Ar-38

MAT 1831

Dpa inelastic (mt51-91)  
Cross Section

18-Ar-38  
-19.56 To 0.055 %



75

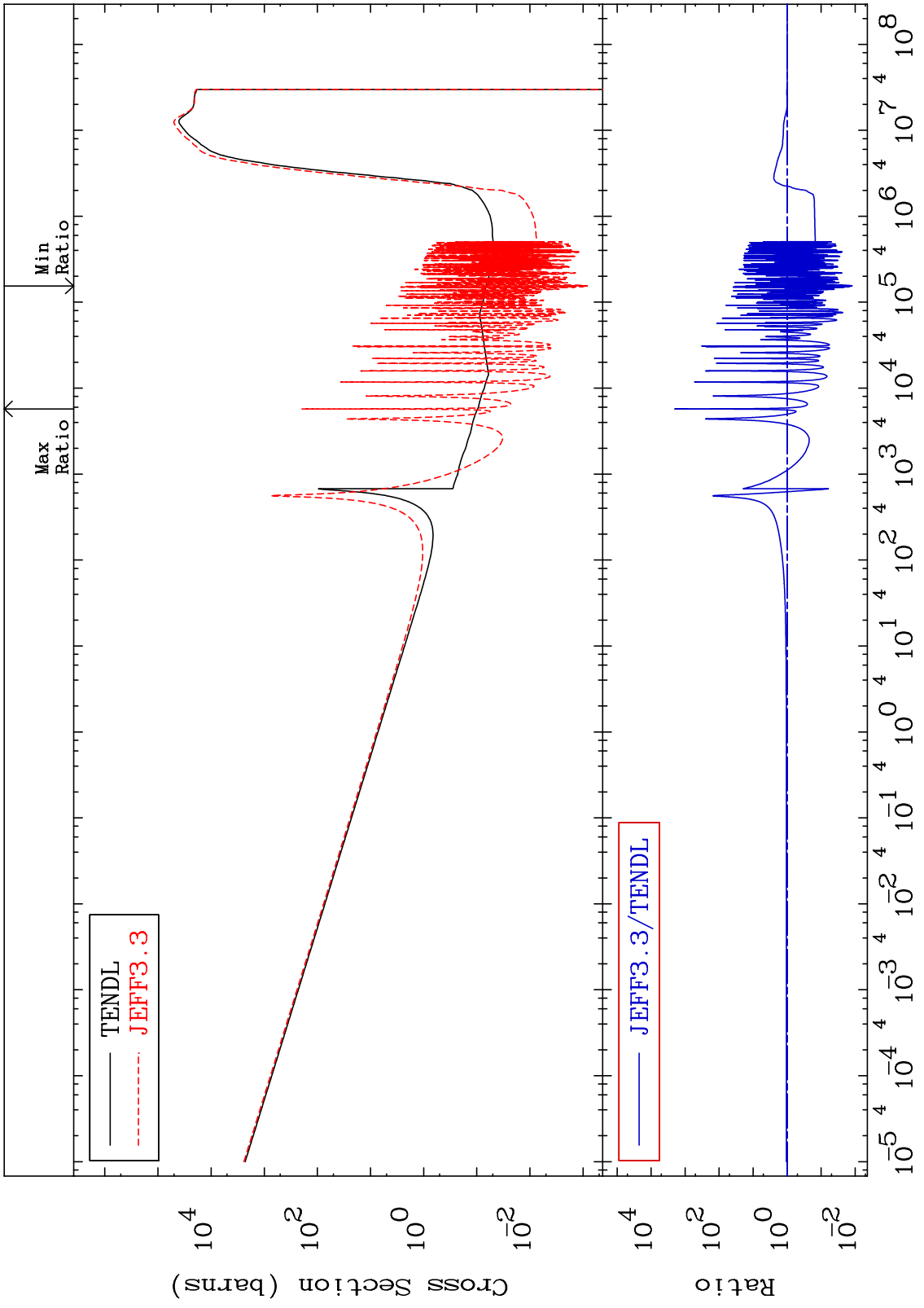
Incident Energy (eV)

18-Ar-38

MAT 1831

Dpa disappearance (mt102 -120)  
Cross Section

18-Ar-38  
-98.78 To 9999. %



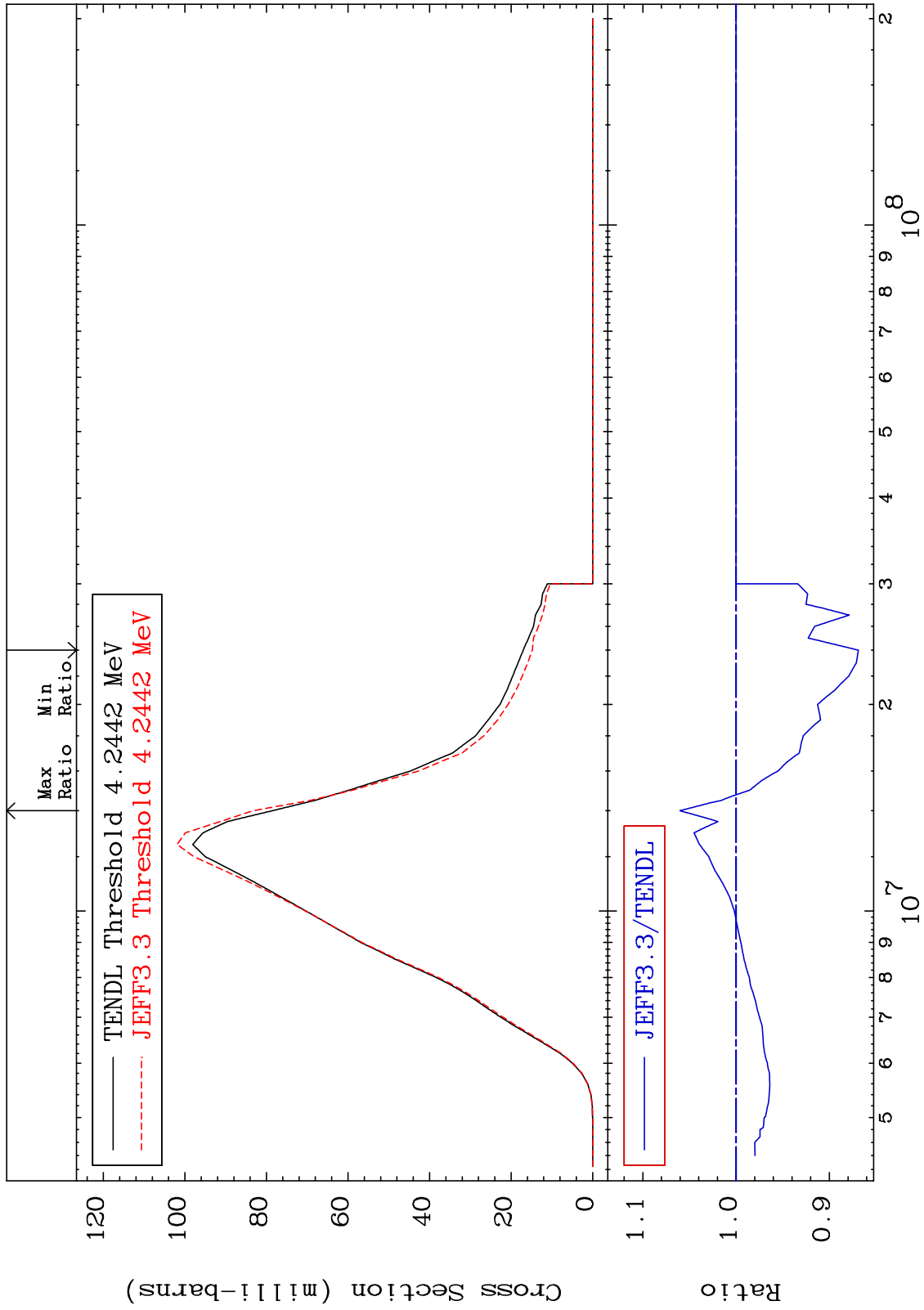
76

Incident Energy (eV)

18-Ar-38

MAT 1831

(n,p): 17-Cl-38g 18-Ar-38  
Radionuclide Production Cross Section -13.11 To 6.008 %



77

Incident Energy (eV)

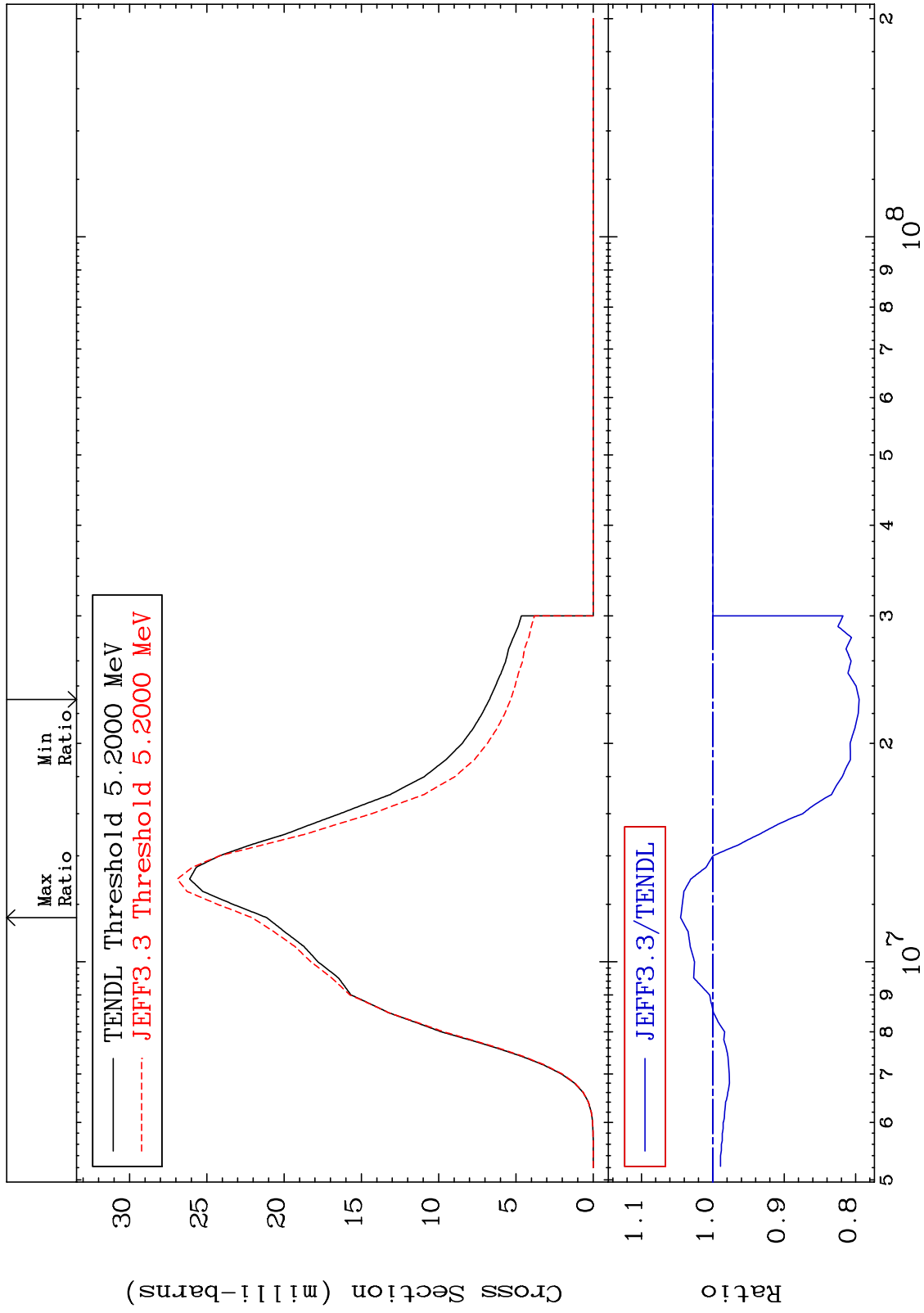
18-Ar-38

MAT 1831

(n,p): 17-Cl-38m1

18-Ar-38

Radionuclide Production Cross Section -20.50 To 4.505 %



78

Incident Energy (eV)

18-Ar-38