

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

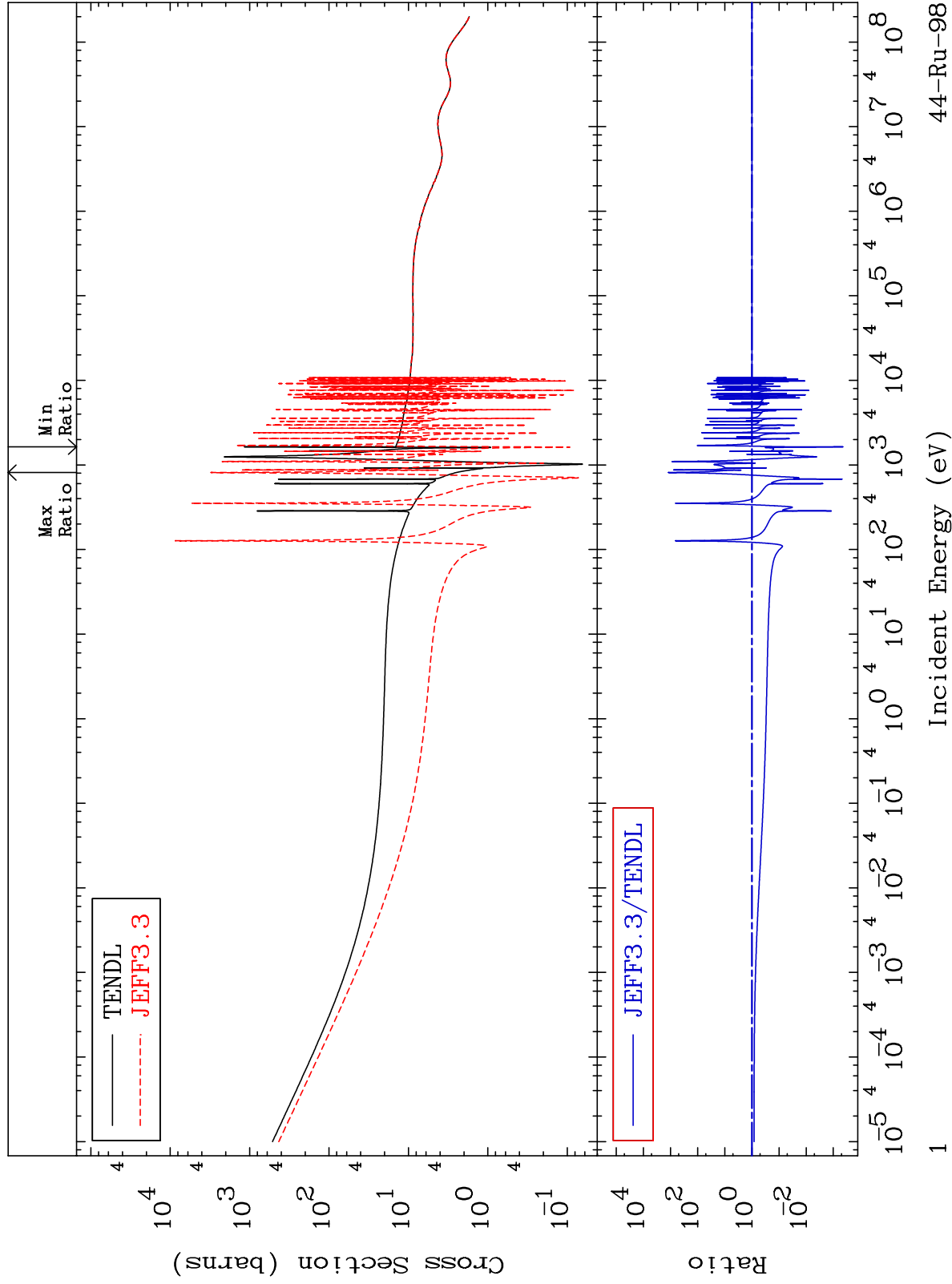
MAT 4431

Total

44-Ru-98

-99.96 To 9999. %

Cross Section



44-Ru-98

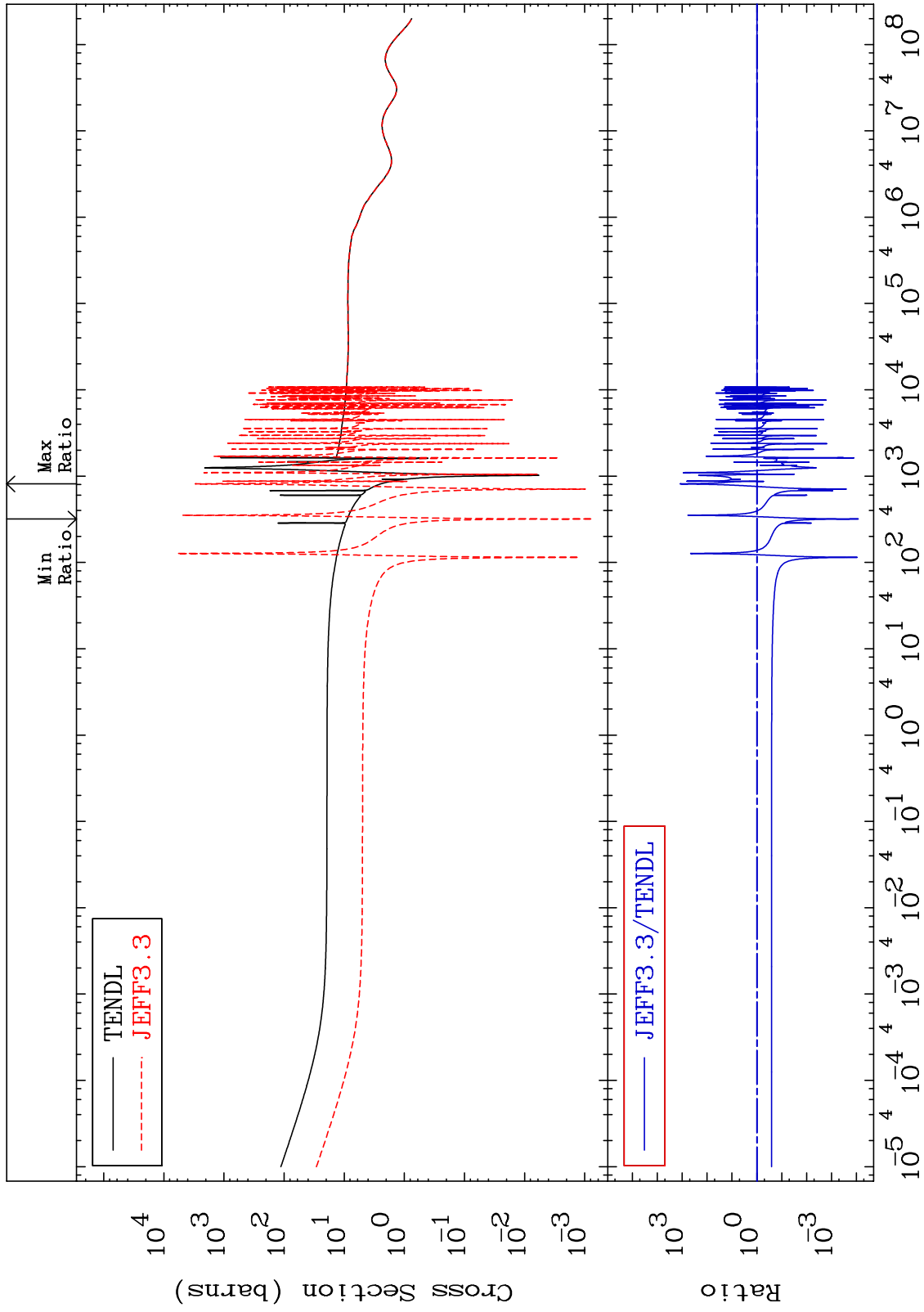
MAT 4431

Elastic

44-Ru-98

Cross Section

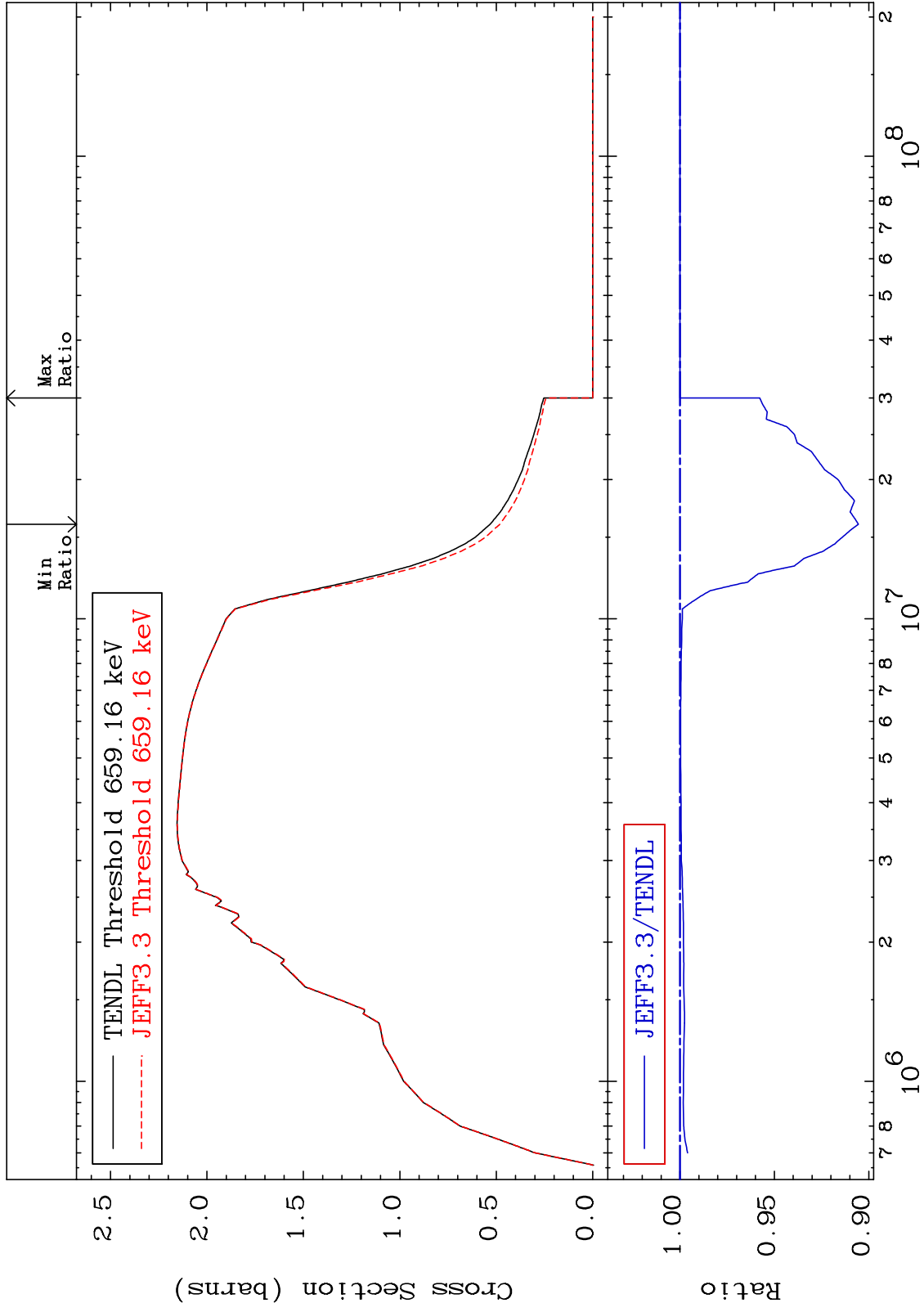
-99.99 To 9999. %



MAT 4431

Inelastic
Cross Section

44-Ru-98
-9.453 To 0.000 %



3

Incident Energy (eV)

44-Ru-98

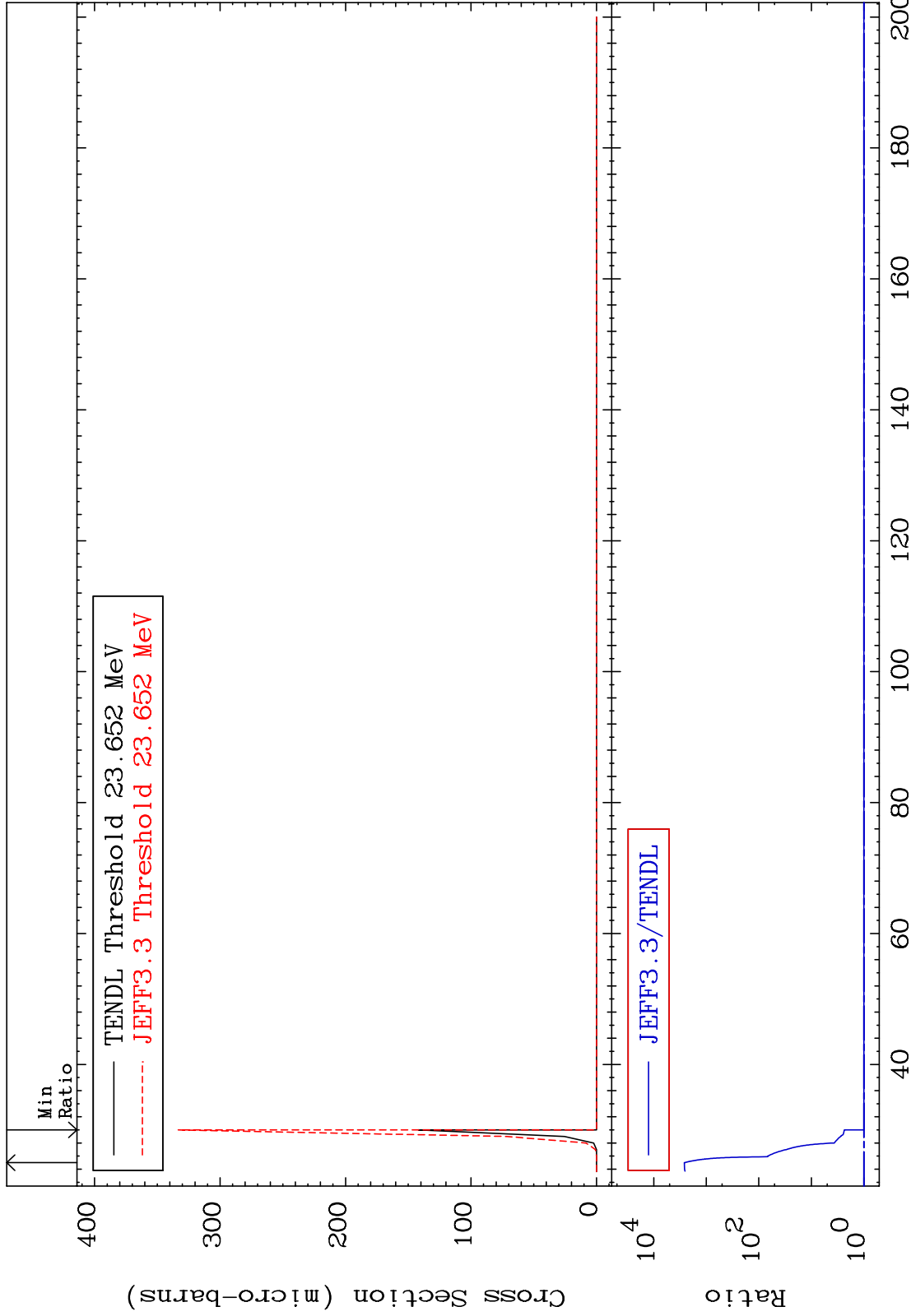
MAT 4431

(n,2n) d

44-Ru-98

Cross Section

0.000 To 9999. %



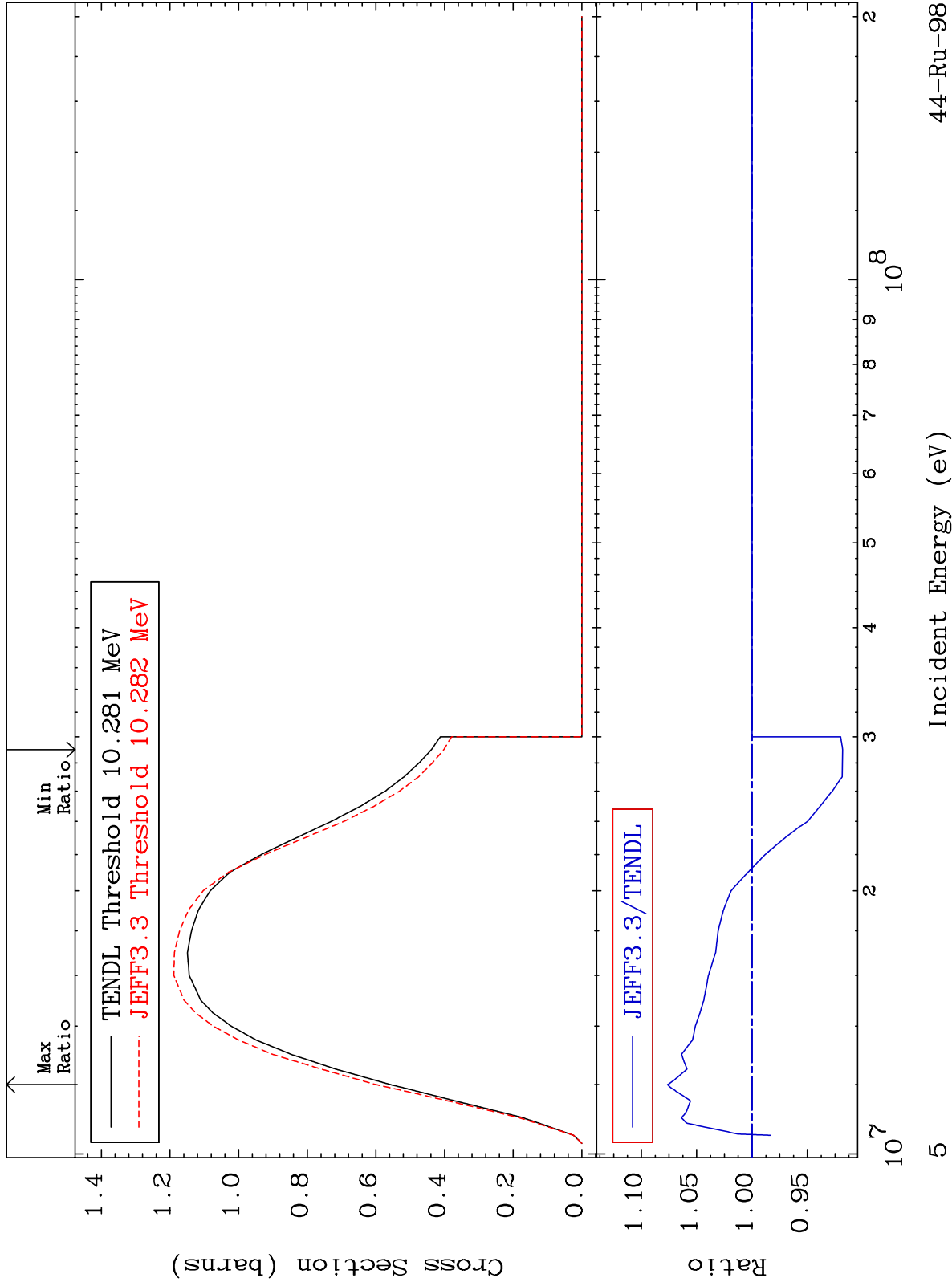
MAT 4431

(n,2n)

44-Ru-98

Cross Section

-8.190 To 7.635 %



MAT 4431

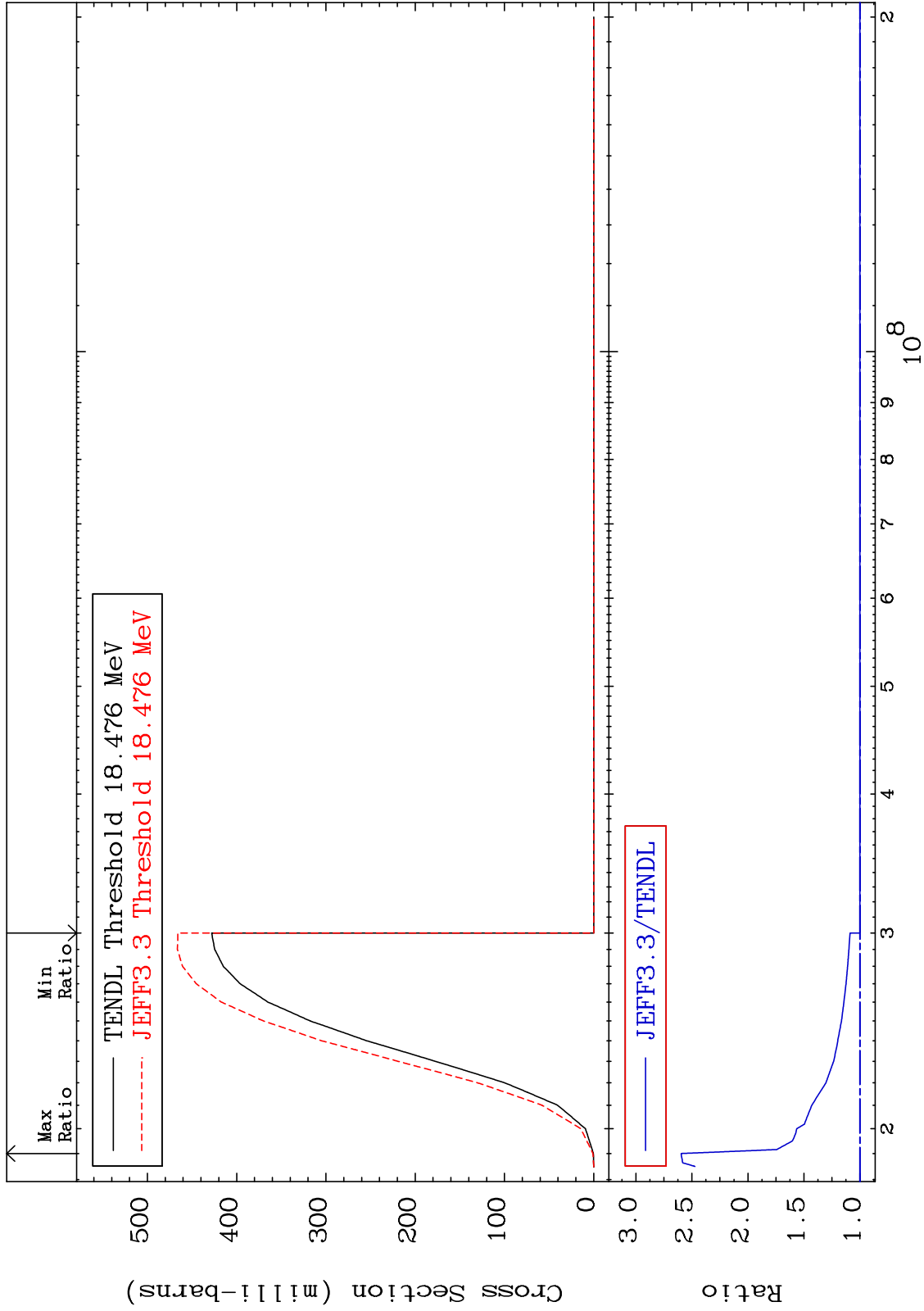
(n,3n)

44-Ru-98

Cross Section

0.000

To 159.6 %



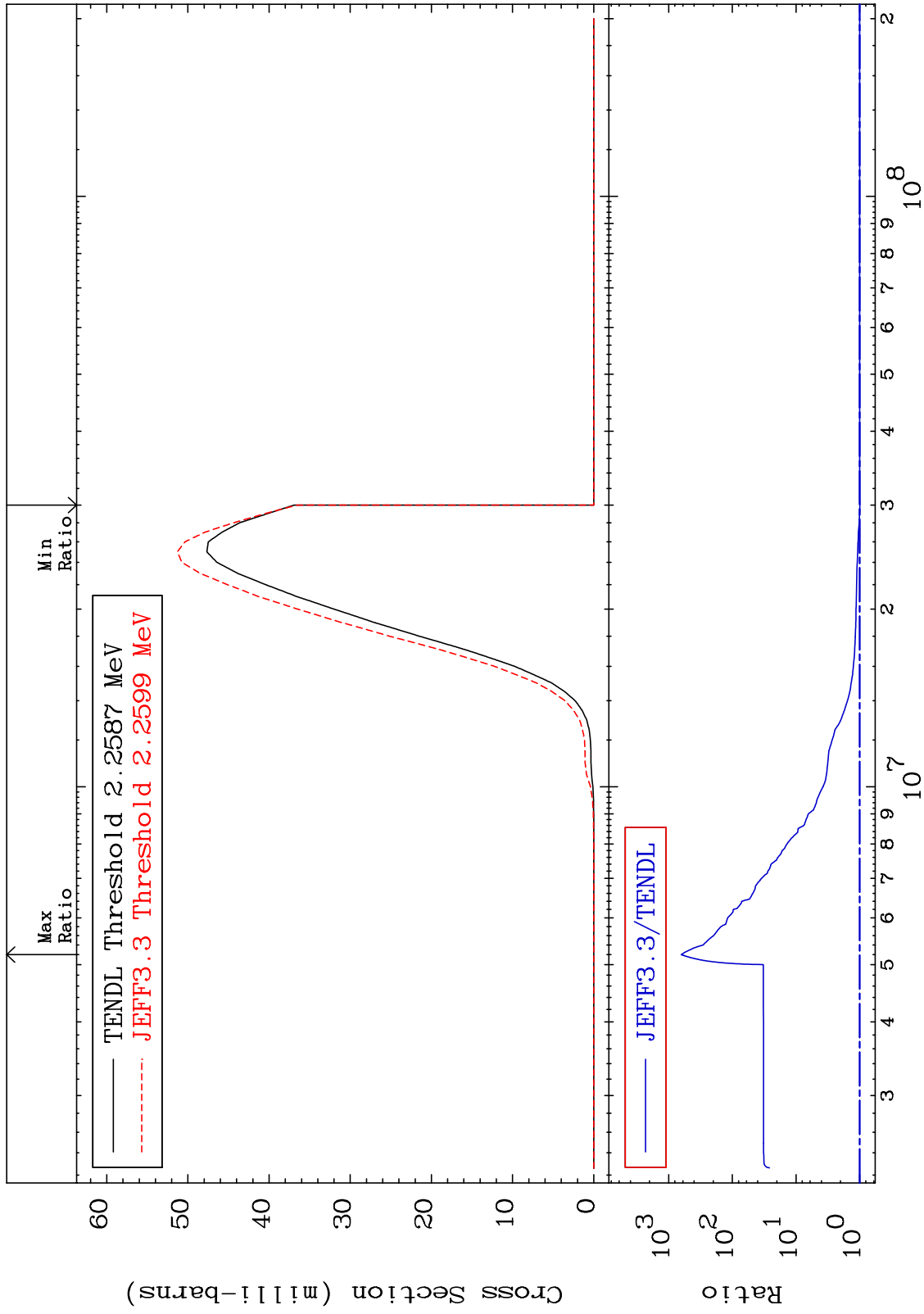
MAT 4431

(n, n') α

44-Ru-98

-0.942 To 9999. %

Cross Section



MAT 4431

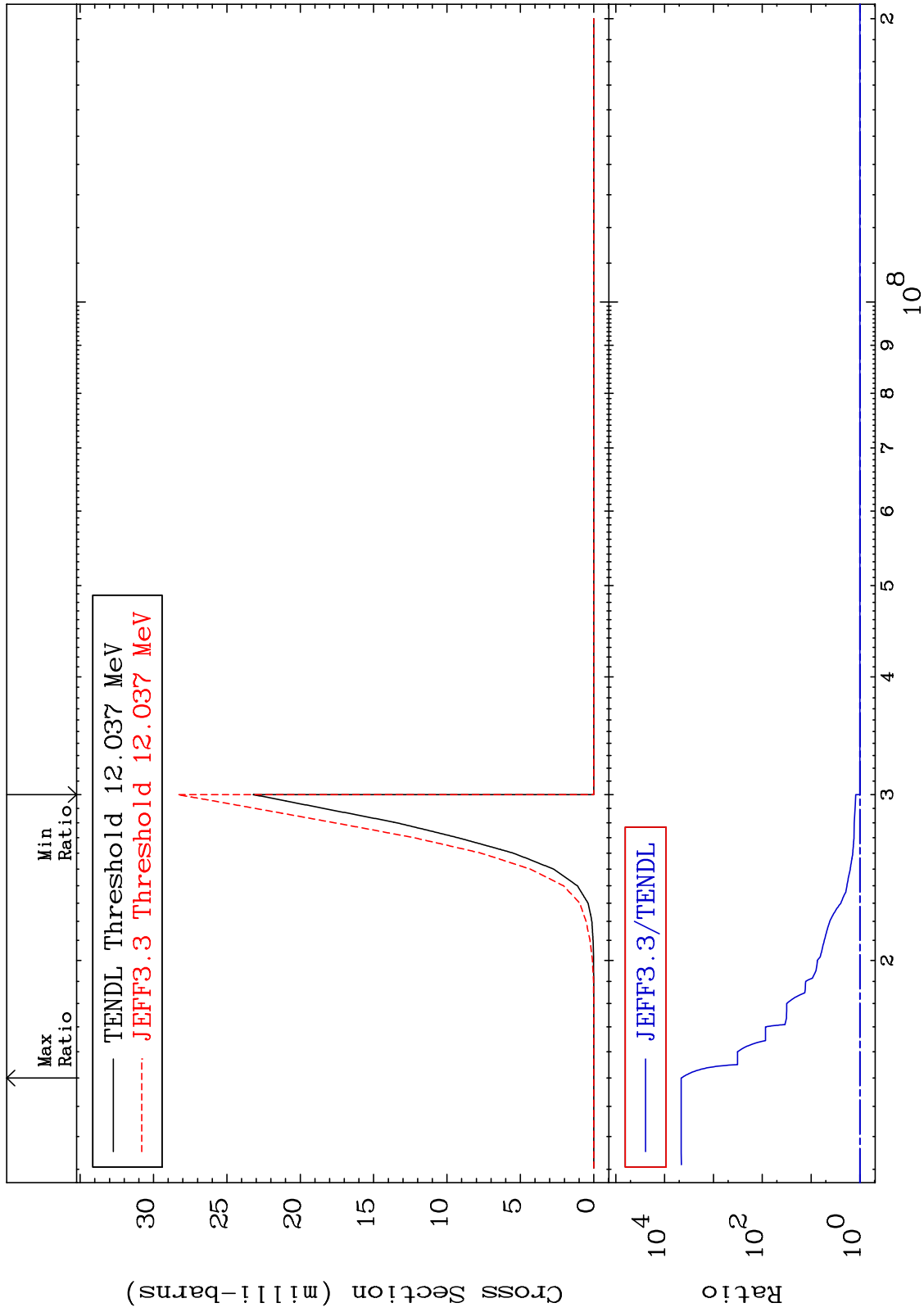
(n,2n) α

44-Ru-98

Cross Section

0.000

To 9999. %



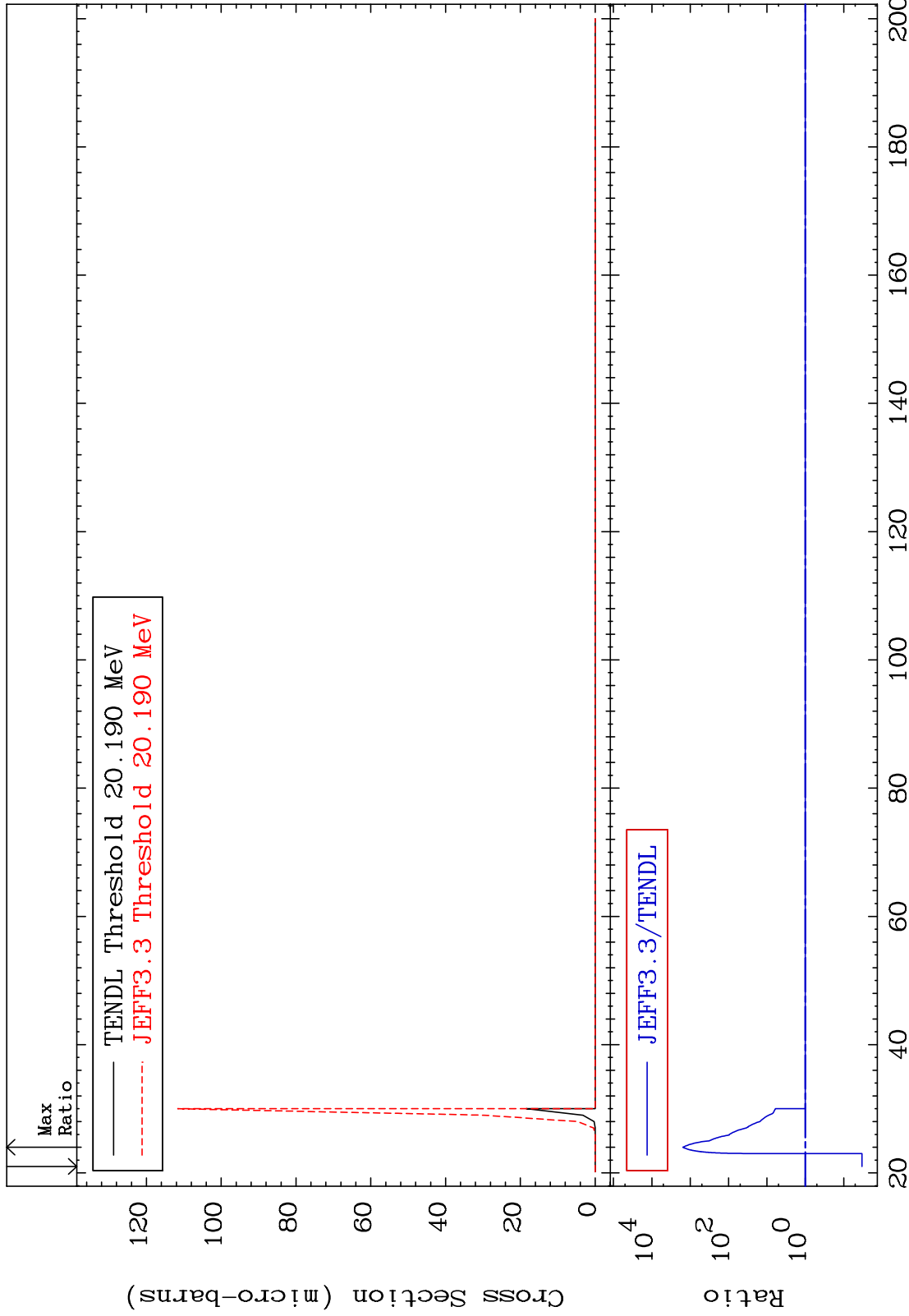
MAT 4431

(n, 3n) α

44-Ru-98

Cross Section

-96.66 To 9999. %



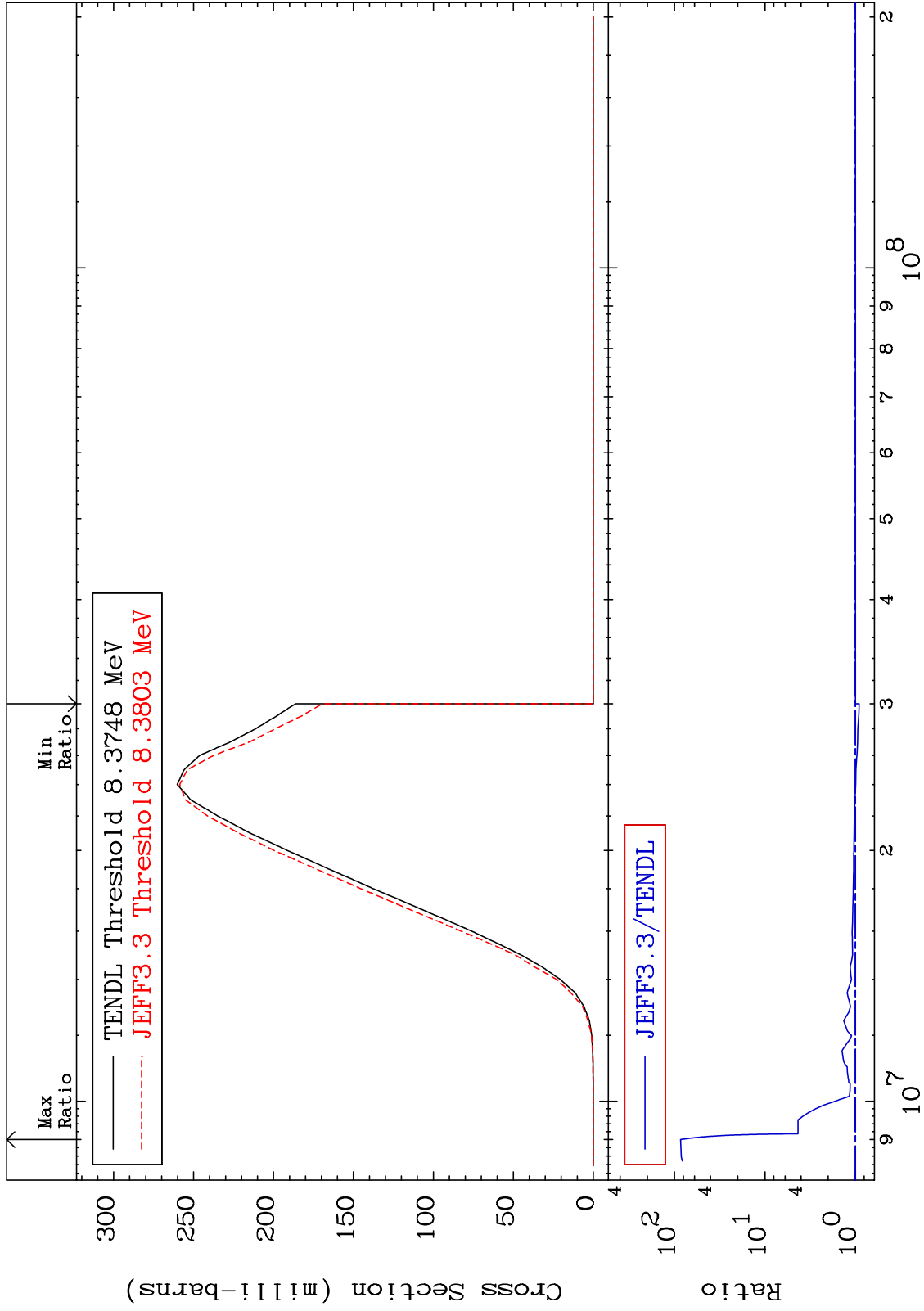
MAT 4431

(n,n') p

44-Ru-98

Cross Section

-9.027 To 8465. %



44-Ru-98

Incident Energy (eV)

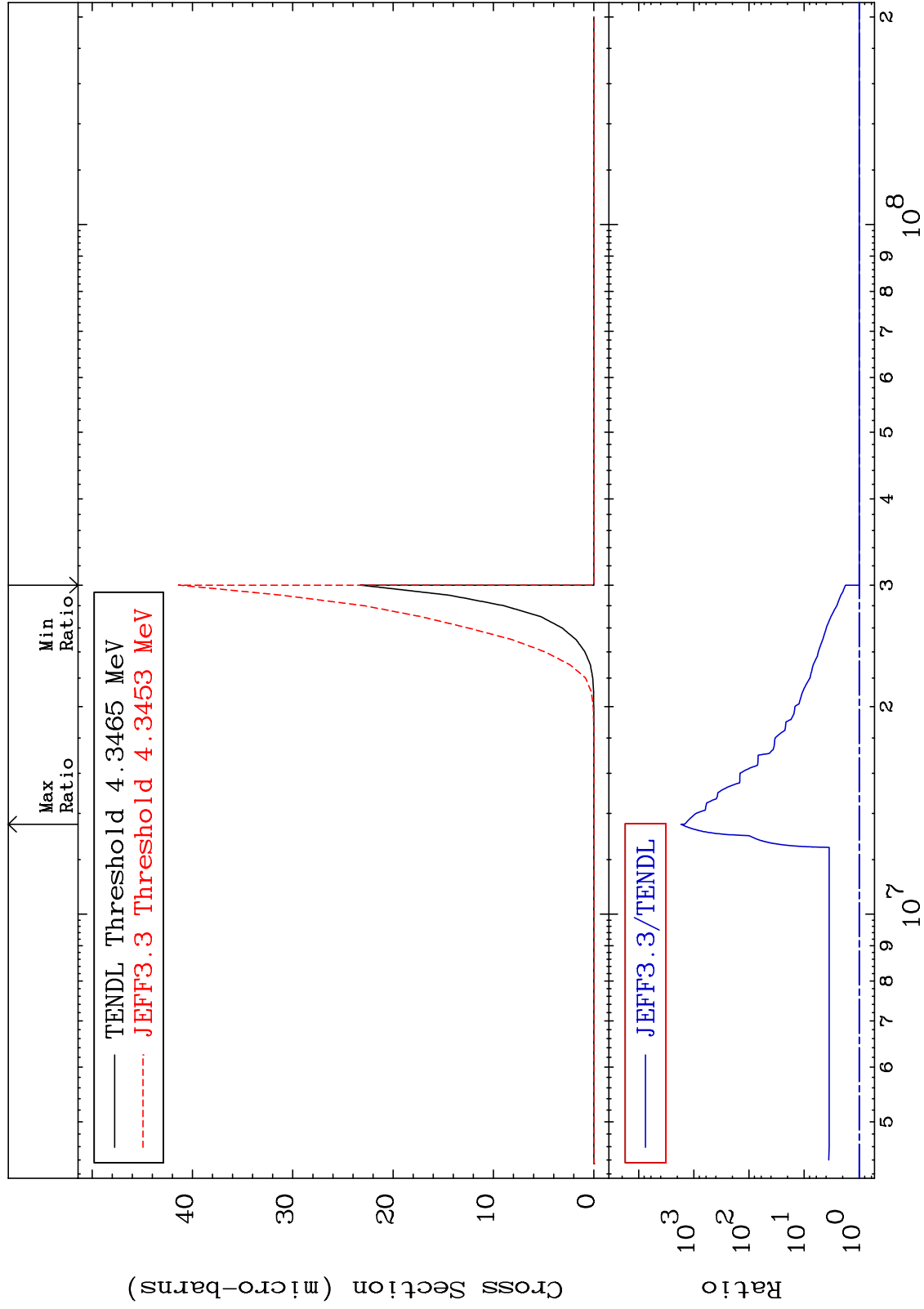
MAT 4431

(n, n') 2α

44-Ru-98

0.000 To 9999. %

Cross Section



11

Incident Energy (eV)

44-Ru-98

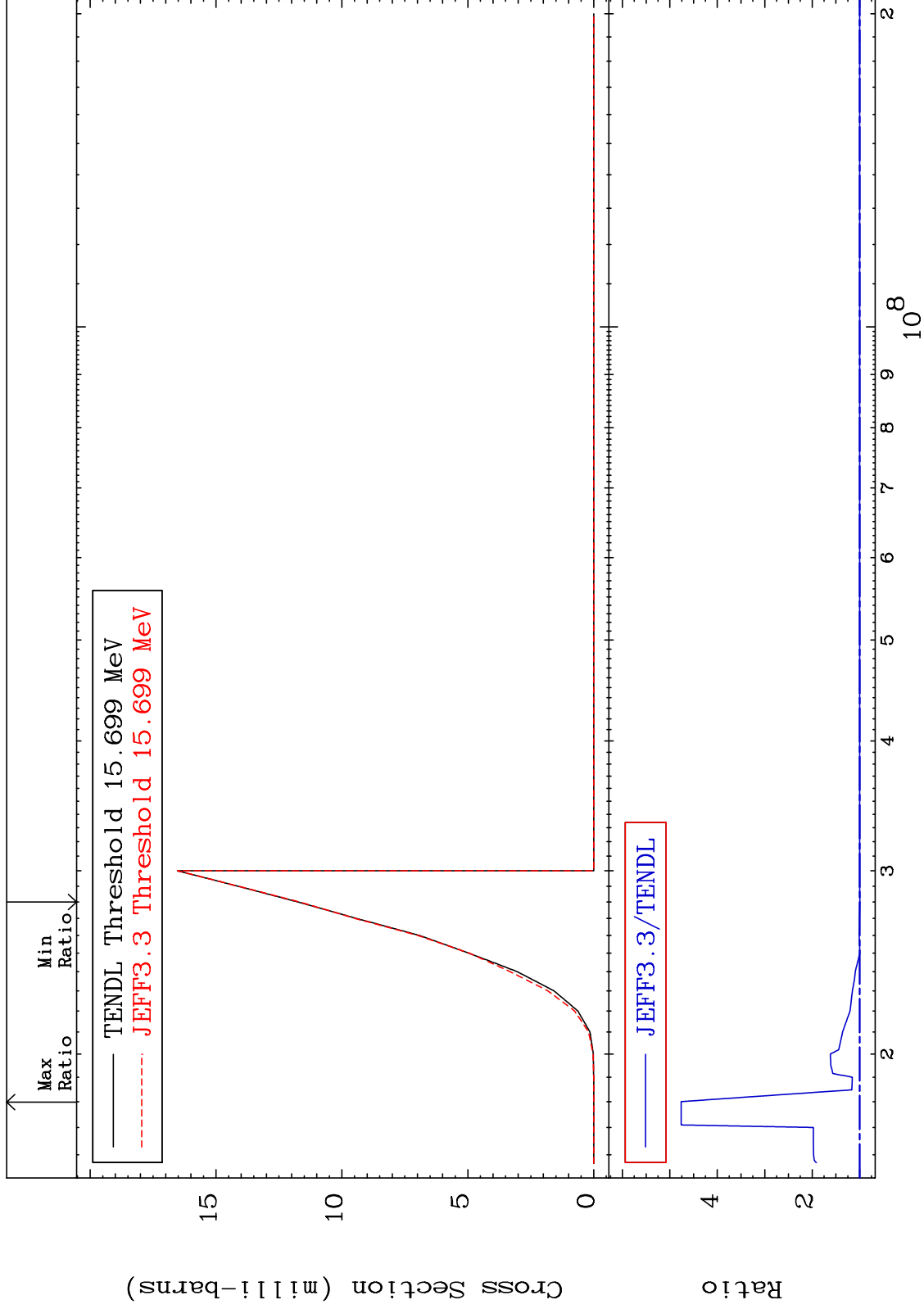
MAT 4431

(n, n') d

44-Ru-98

Cross Section

-0.587 To 376.0 %



12

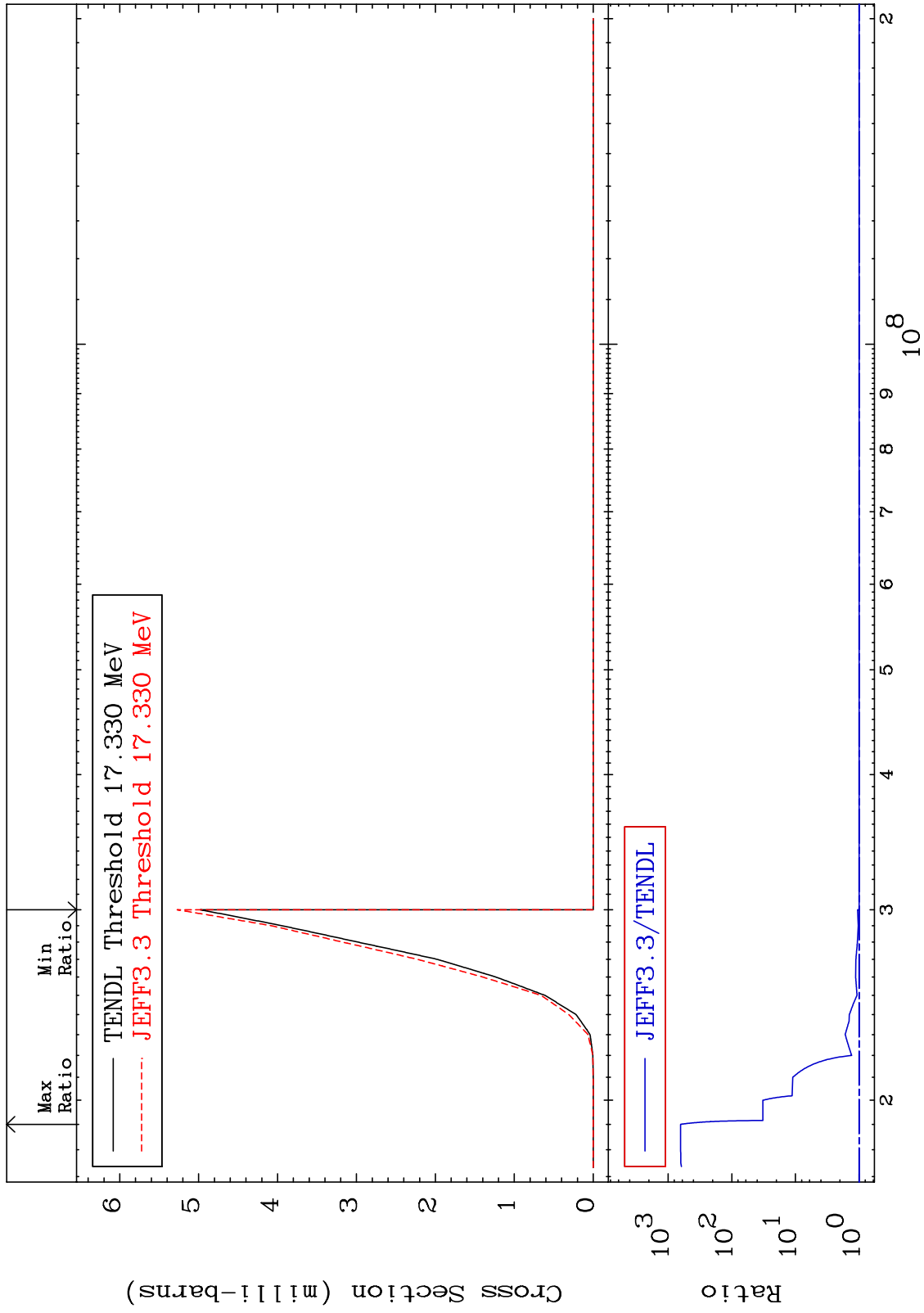
MAT 4431

(n,n') t

44-Ru-98

Cross Section

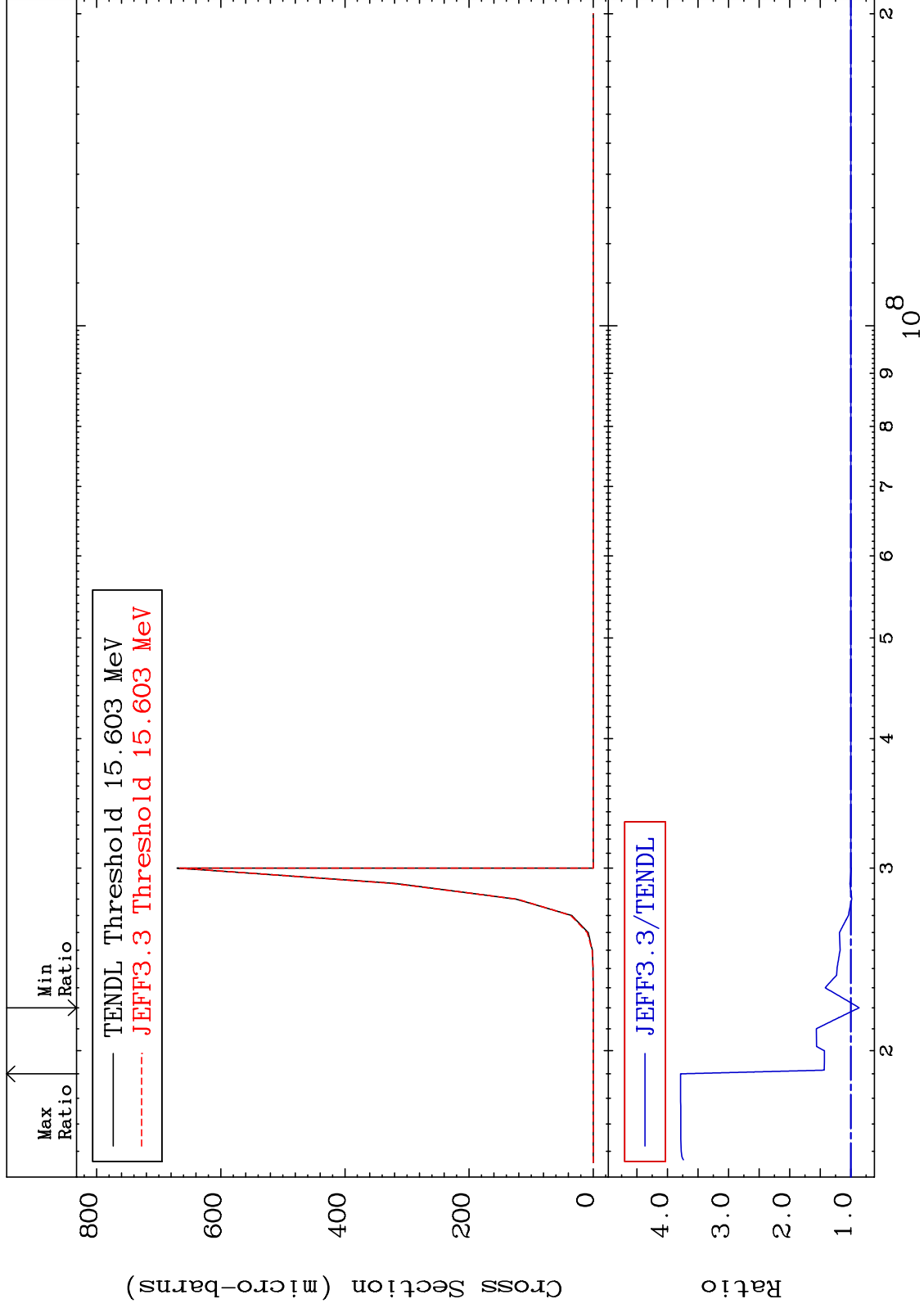
0.000 To 9999. %



MAT 4431

(n, n') He-3
Cross Section

44-Ru-98
-13.79 To 278.5 %



MAT 4431

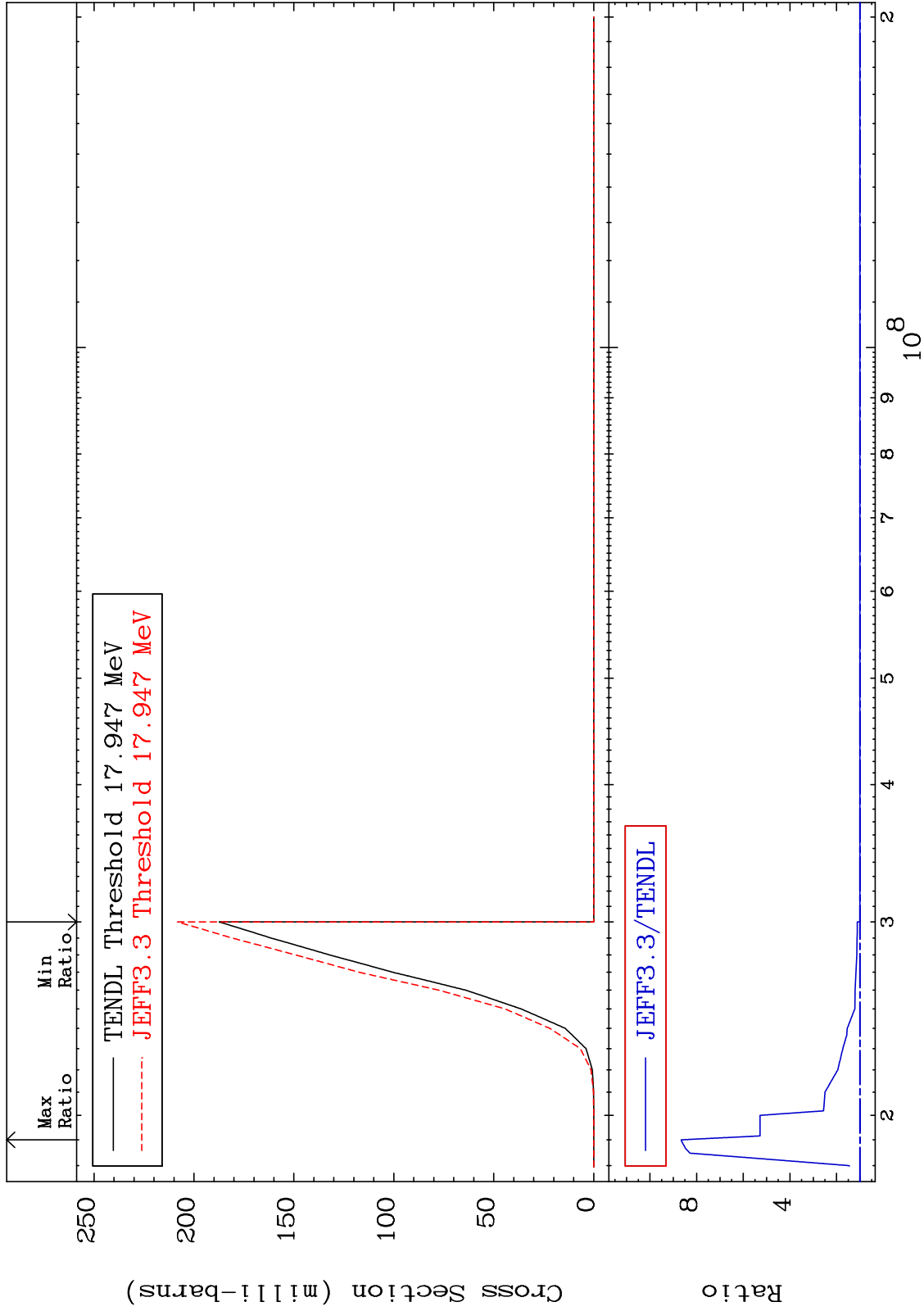
(n,2n) p

44-Ru-98

Cross Section

0.000

To 765.9 %



15

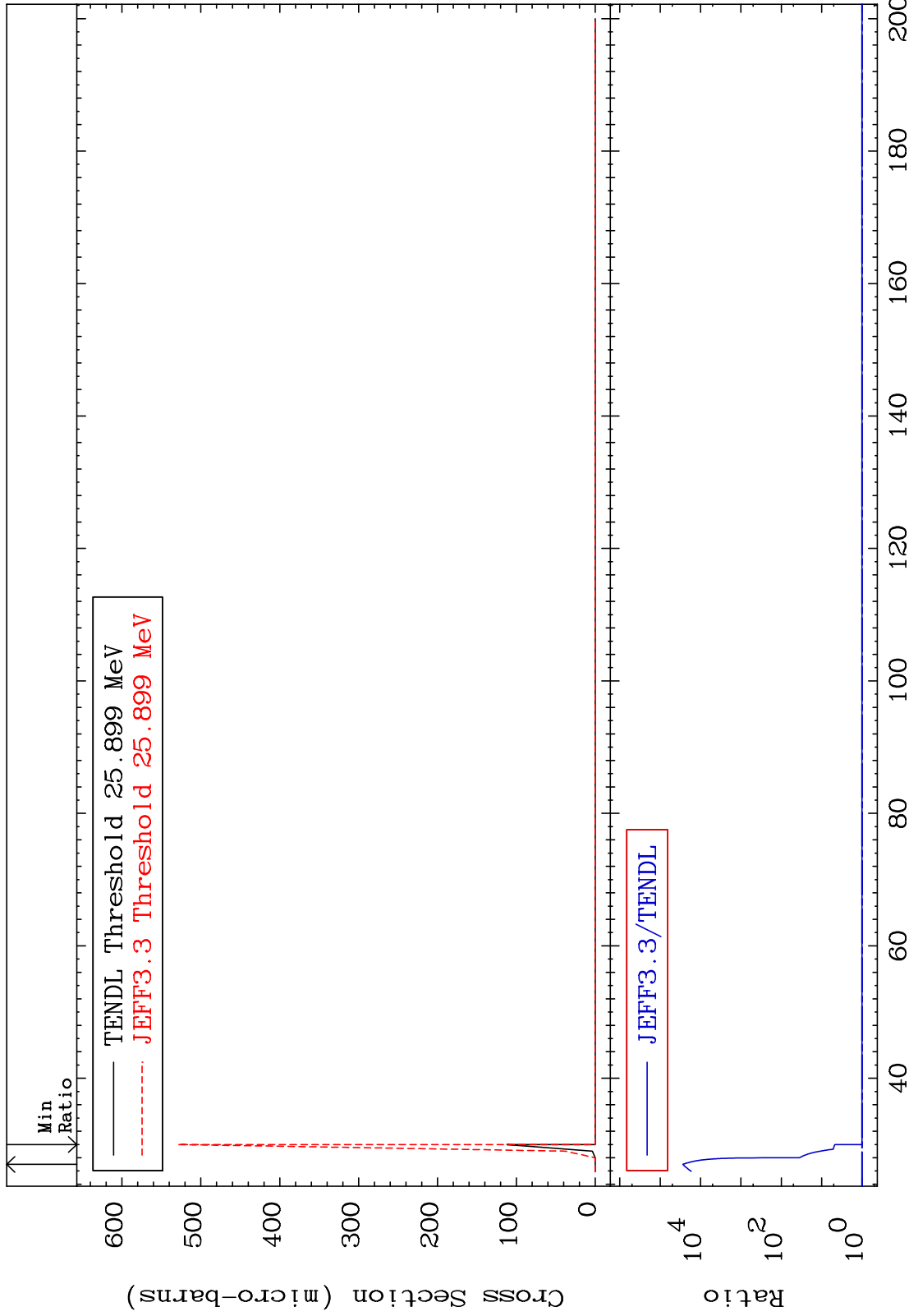
Incident Energy (eV)

44-Ru-98

MAT 4431

(n,3n) p
Cross Section

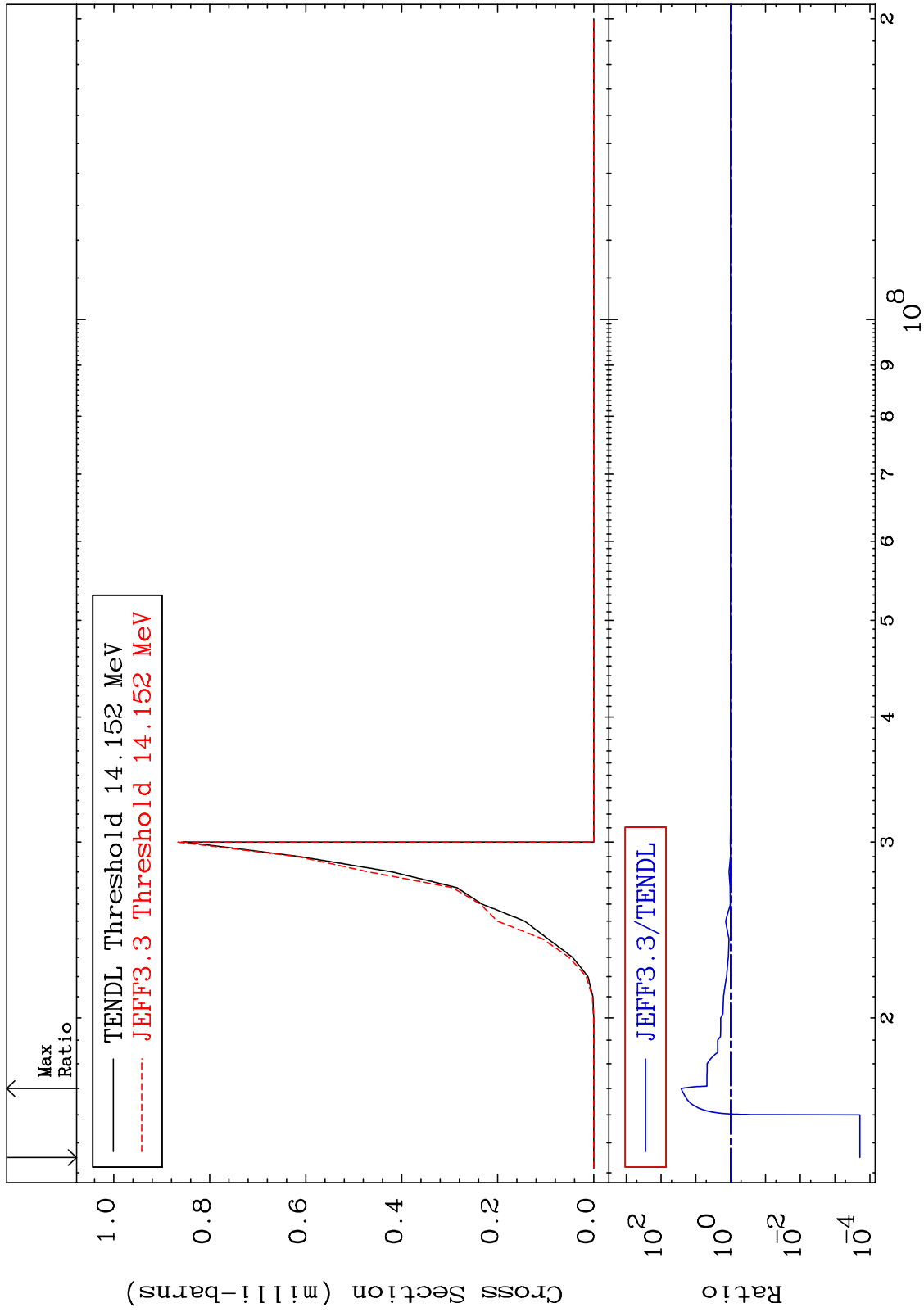
44-Ru-98
0.000 To 9999. %



MAT 4431

(n,2n) p
Cross Section

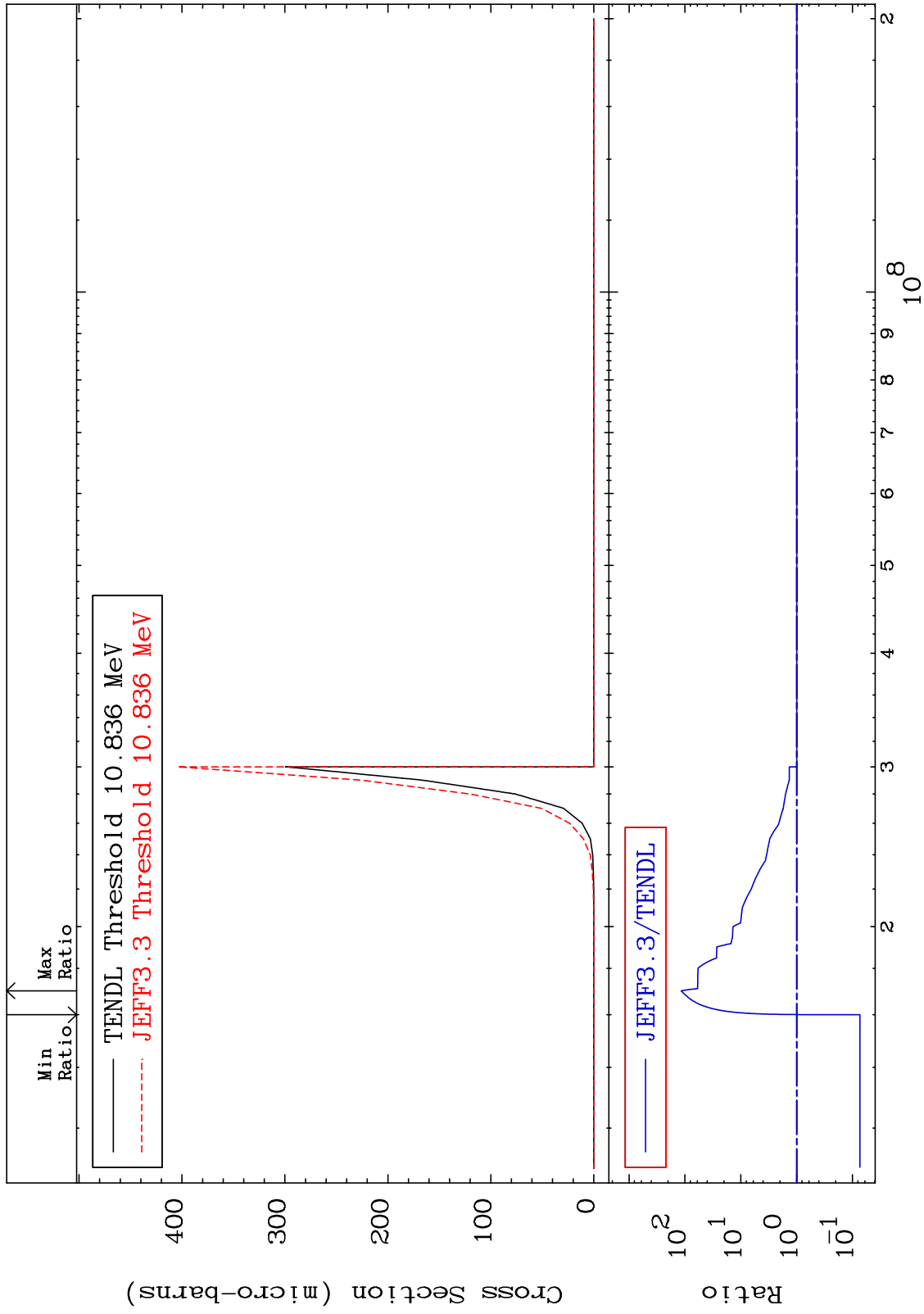
44-Ru-98
-99.98 To 2529. %



MAT 4431

(n,n') p α
Cross Section

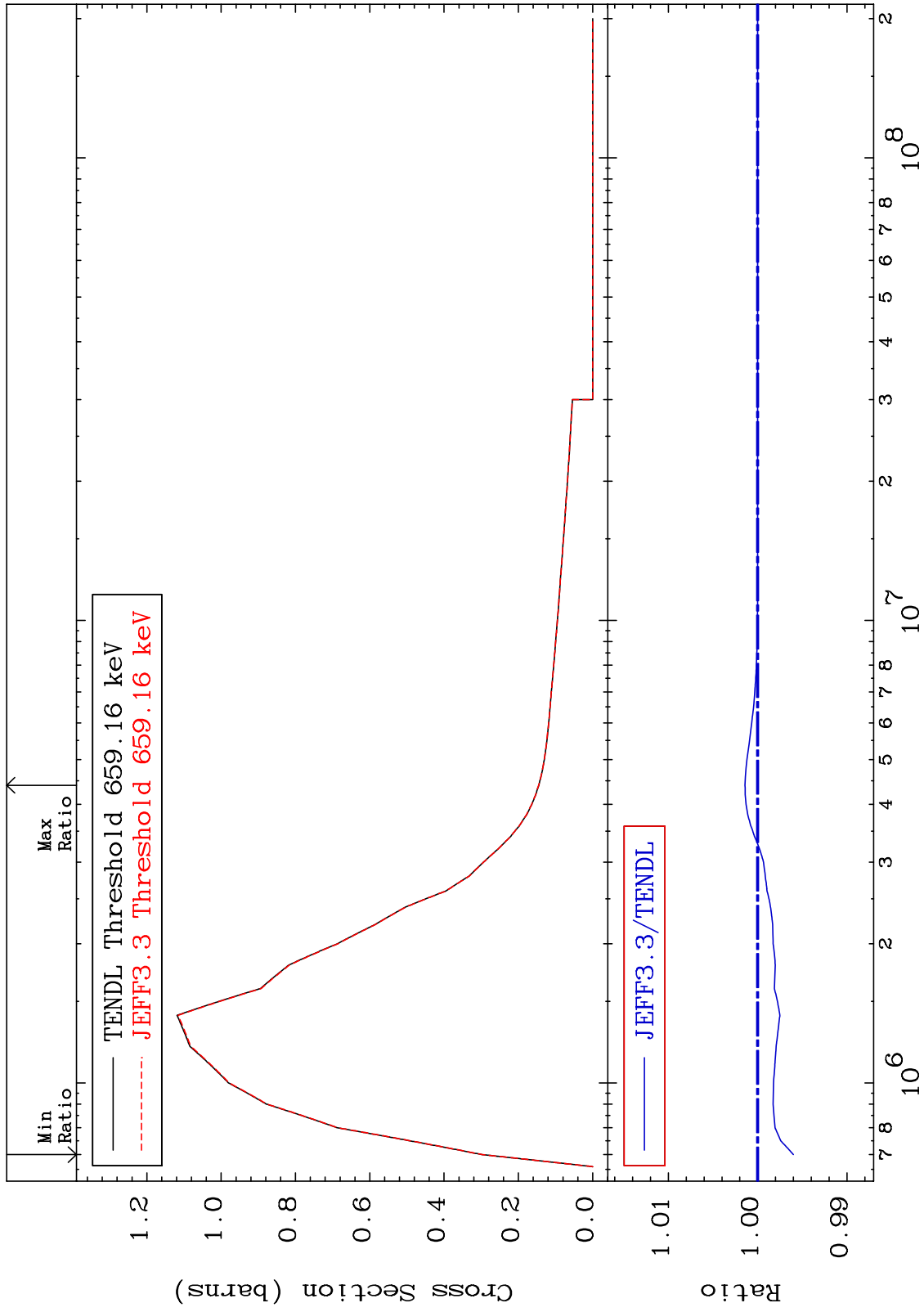
44-Ru-98
-92.63 To 9999. %



MAT 4431

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

44-Ru-98
-0.400 To 0.141 %



19

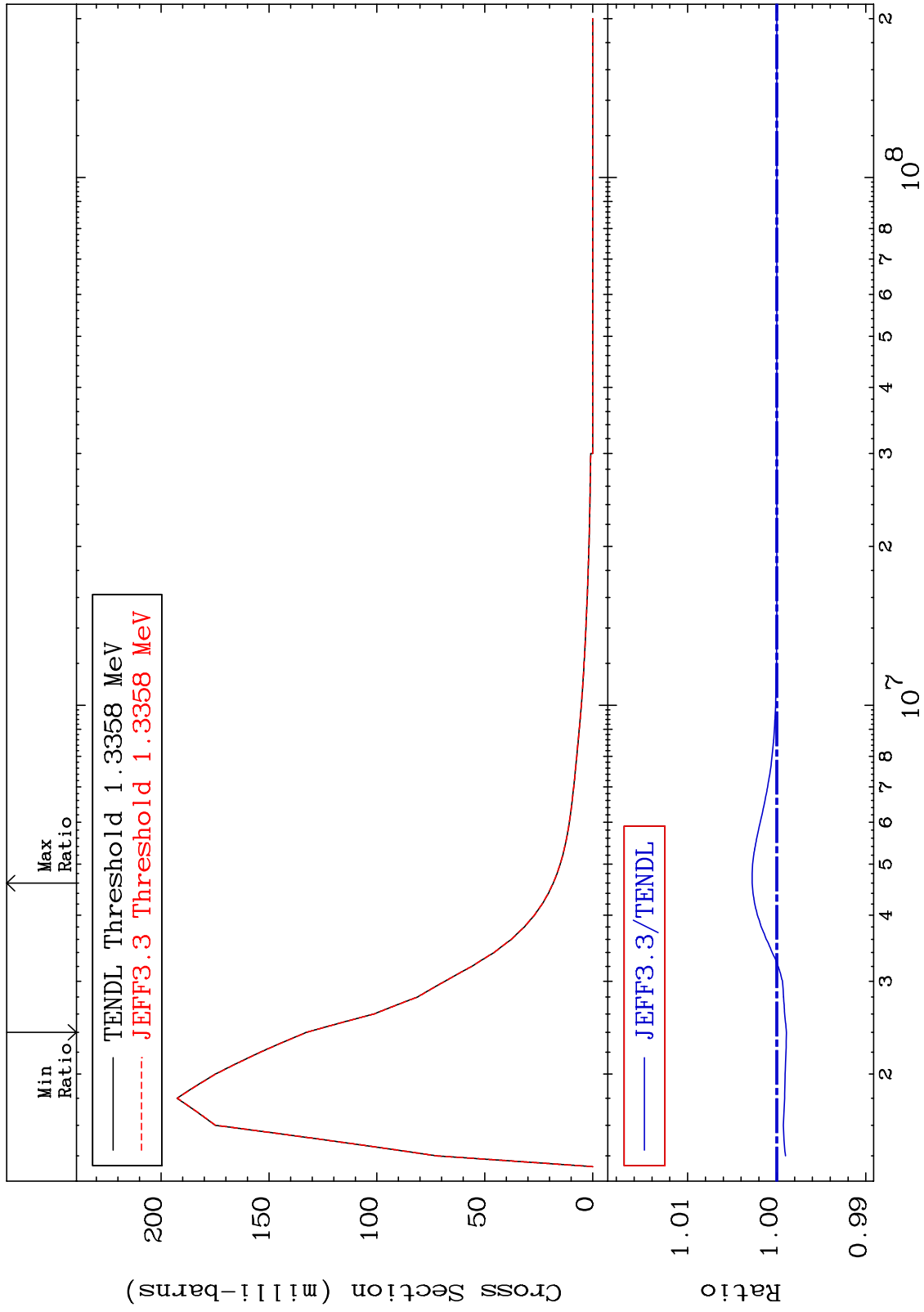
Incident Energy (eV)

44-Ru-98

MAT 4431

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

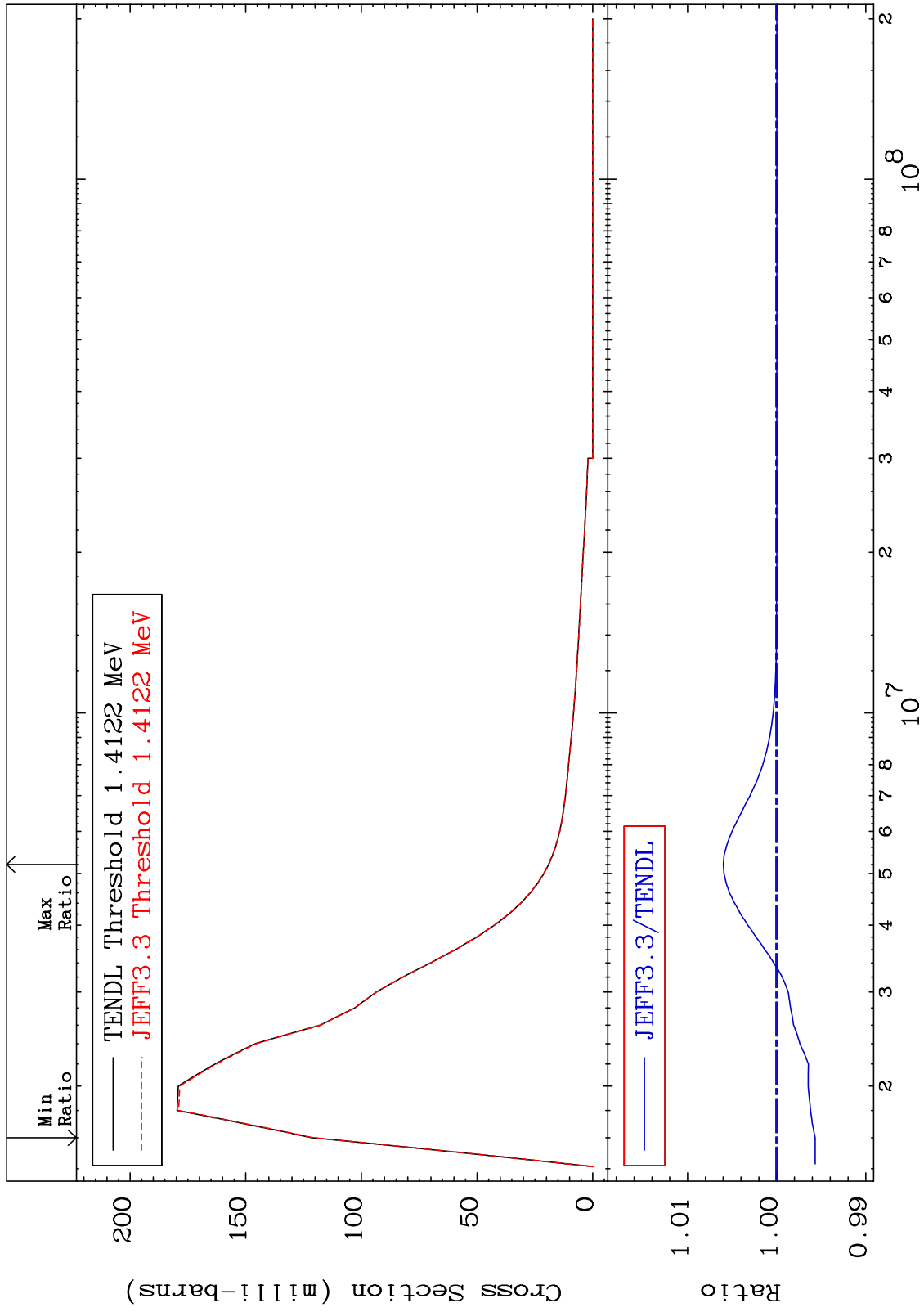
44-Ru-98
-0.108 To 0.277 %



MAT 4431

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

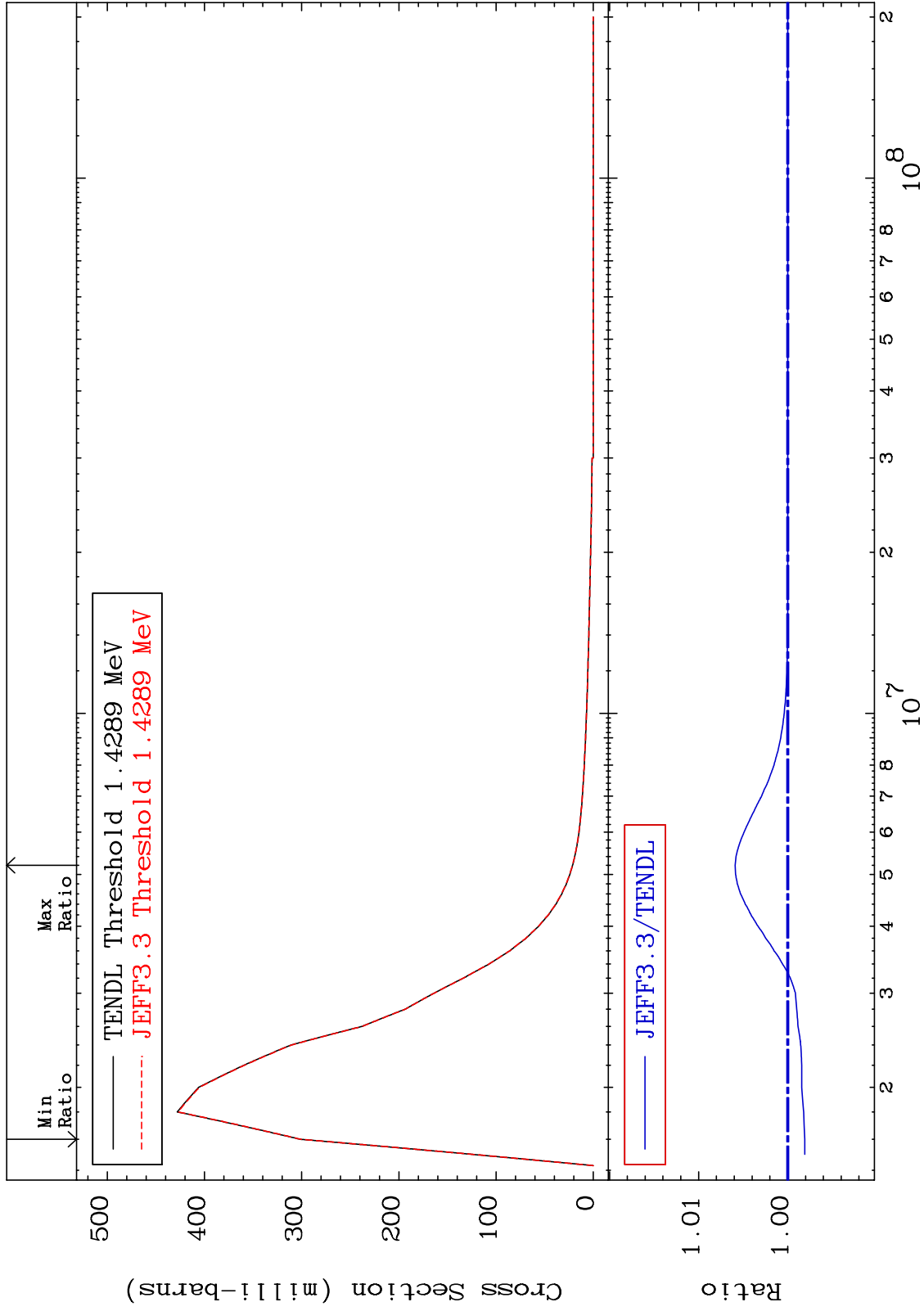
44-Ru-98
-0.431 To 0.599 %



MAT 4431

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

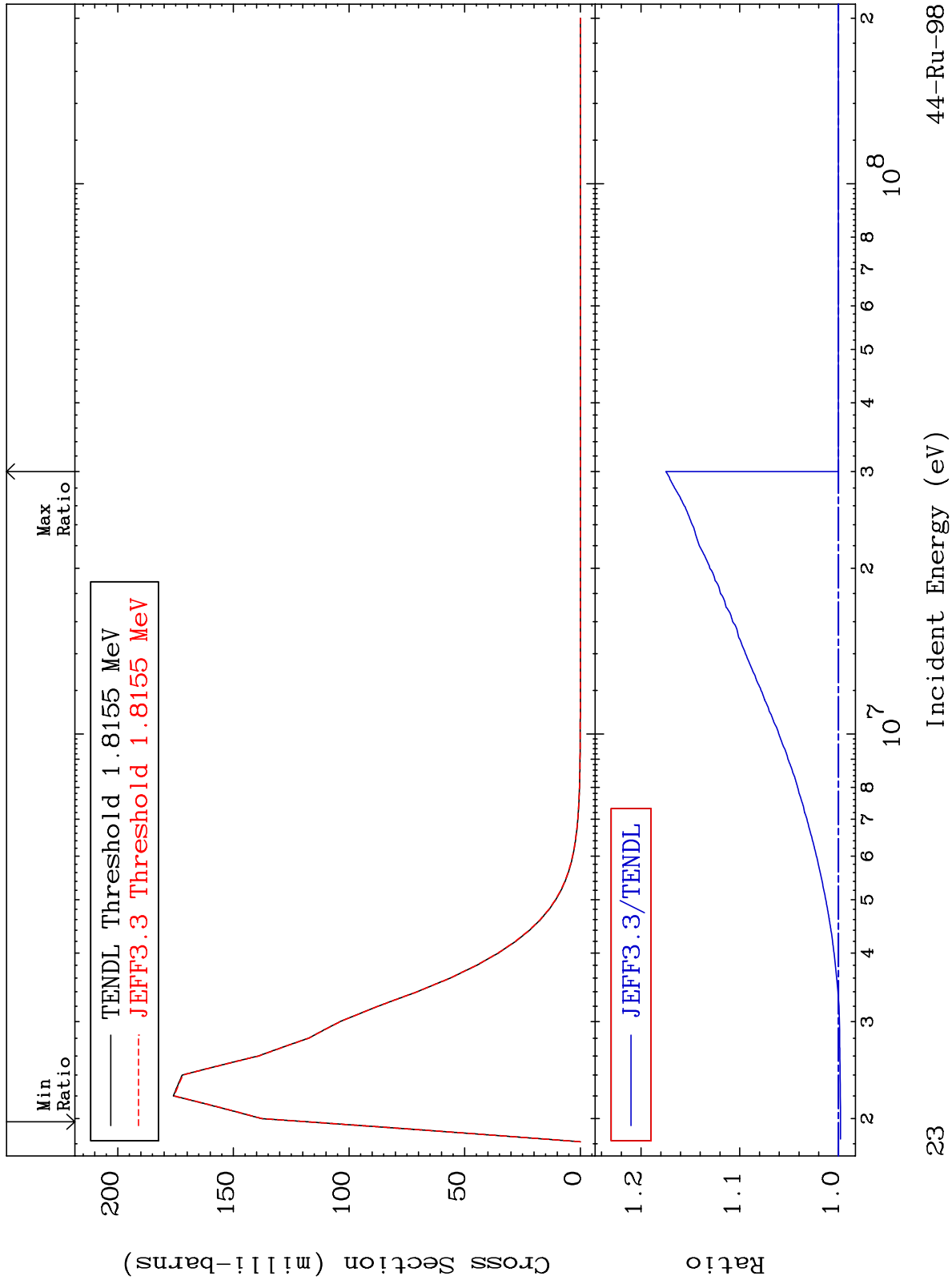
44-Ru-98
-0.191 To 0.591 %



MAT 4431

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

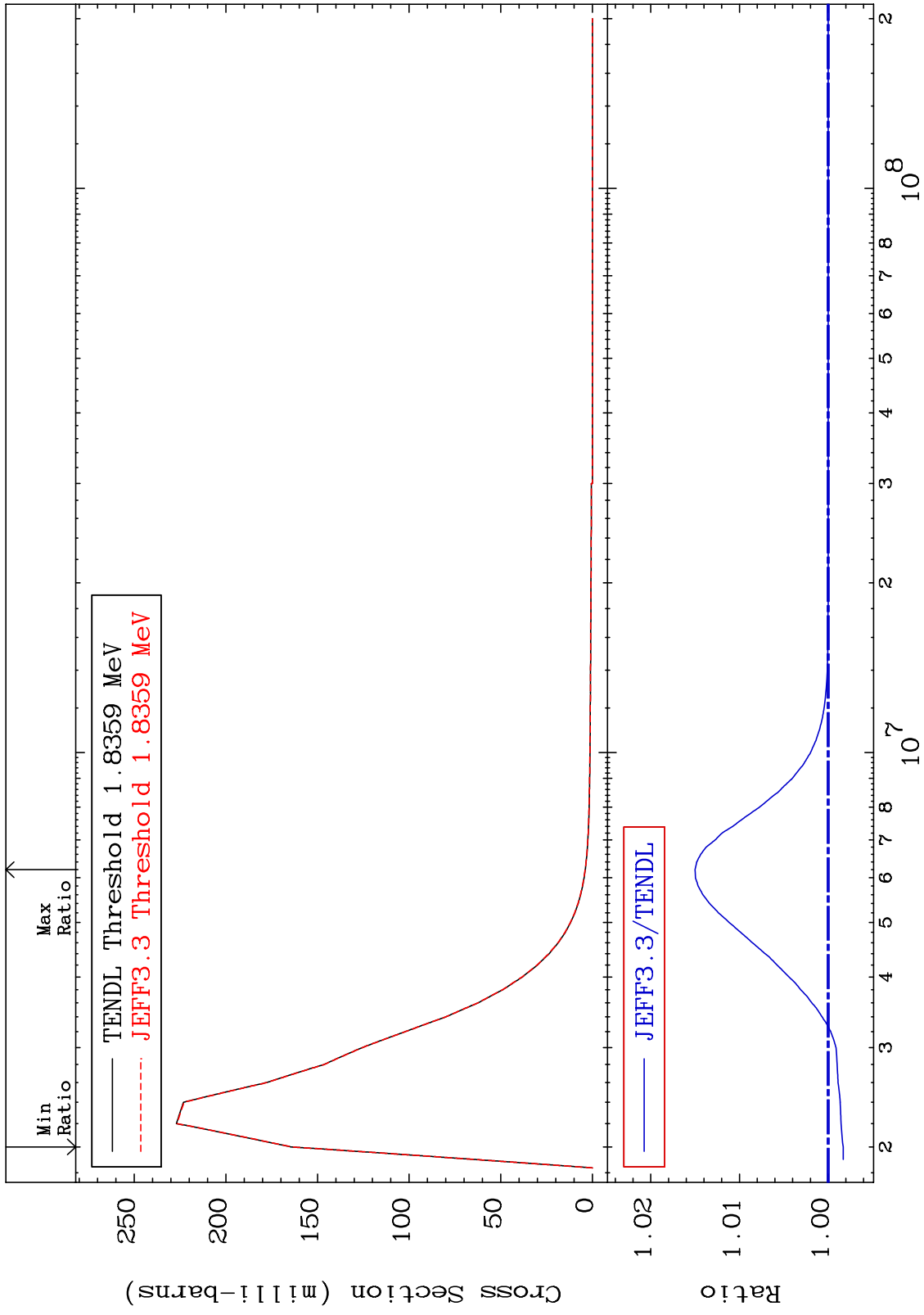
44-Ru-98
-0.210 To 17.49 %



MAT 4431

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

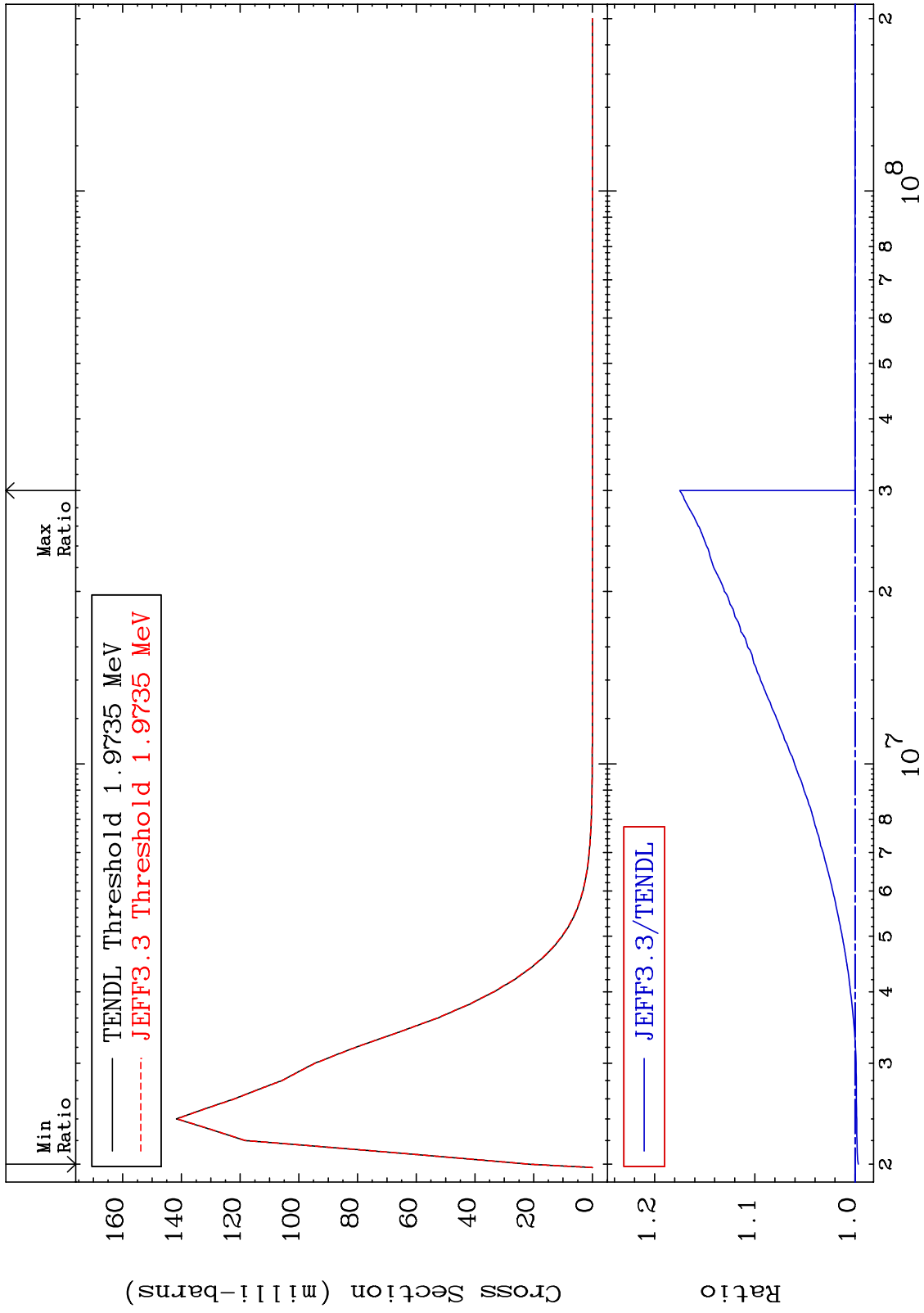
44-Ru-98
-0.169 To 1.501 %



MAT 4431

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

44-Ru-98
-0.325 To 17.49 %



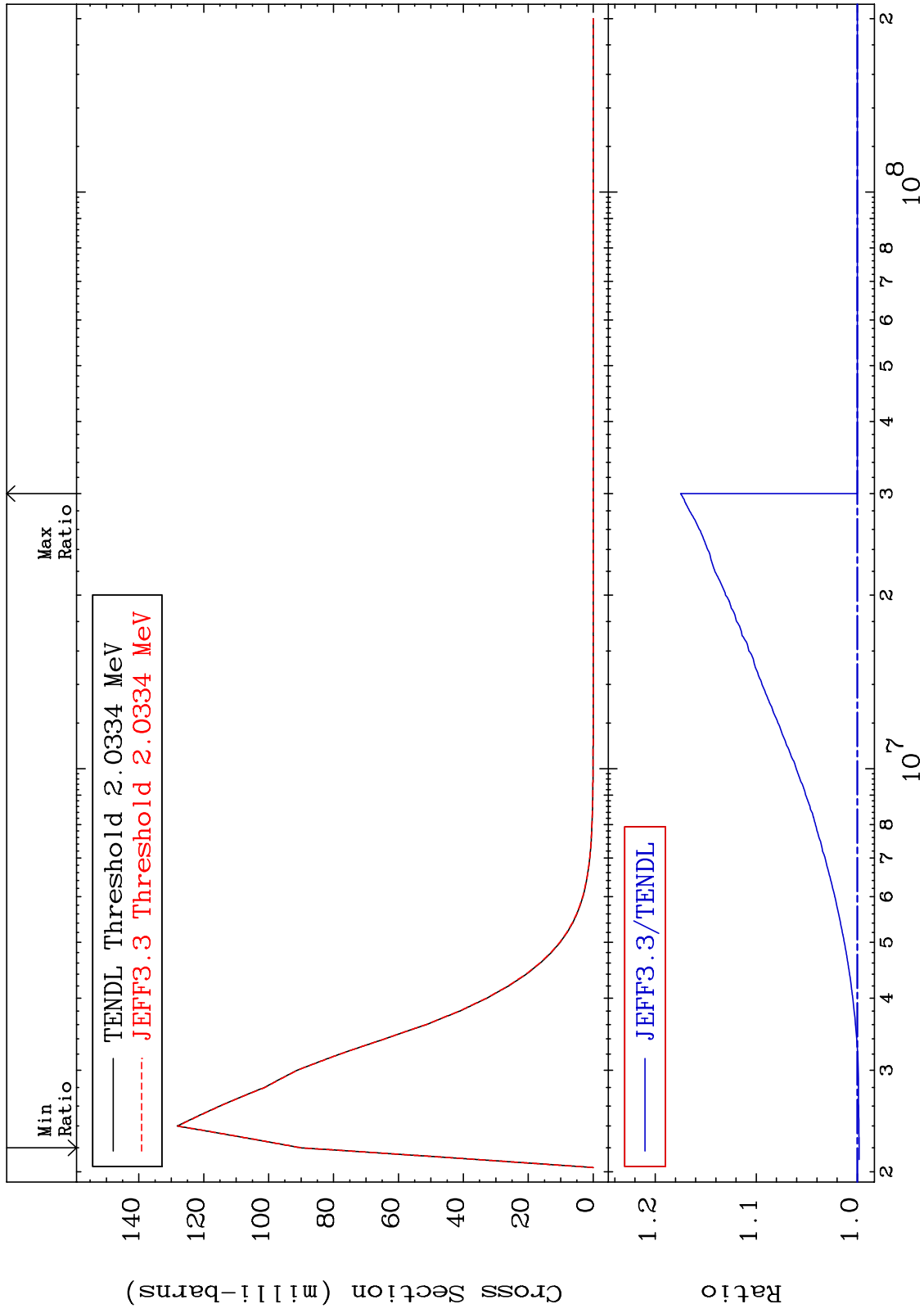
25

44-Ru-98

MAT 4431

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

44-Ru-98
-0.186 To 17.49 %



44-Ru-98

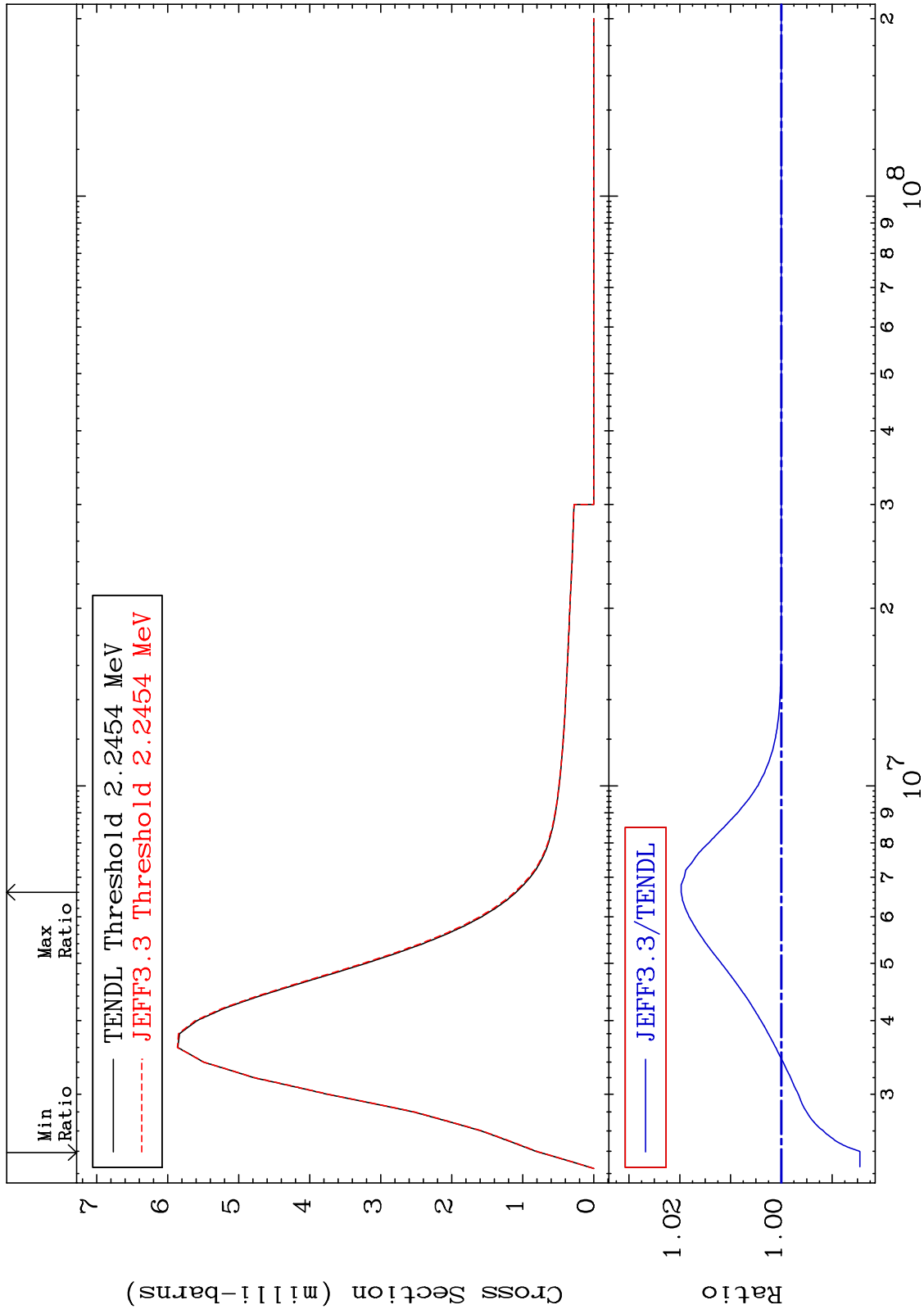
Incident Energy (eV)

26

MAT 4431

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

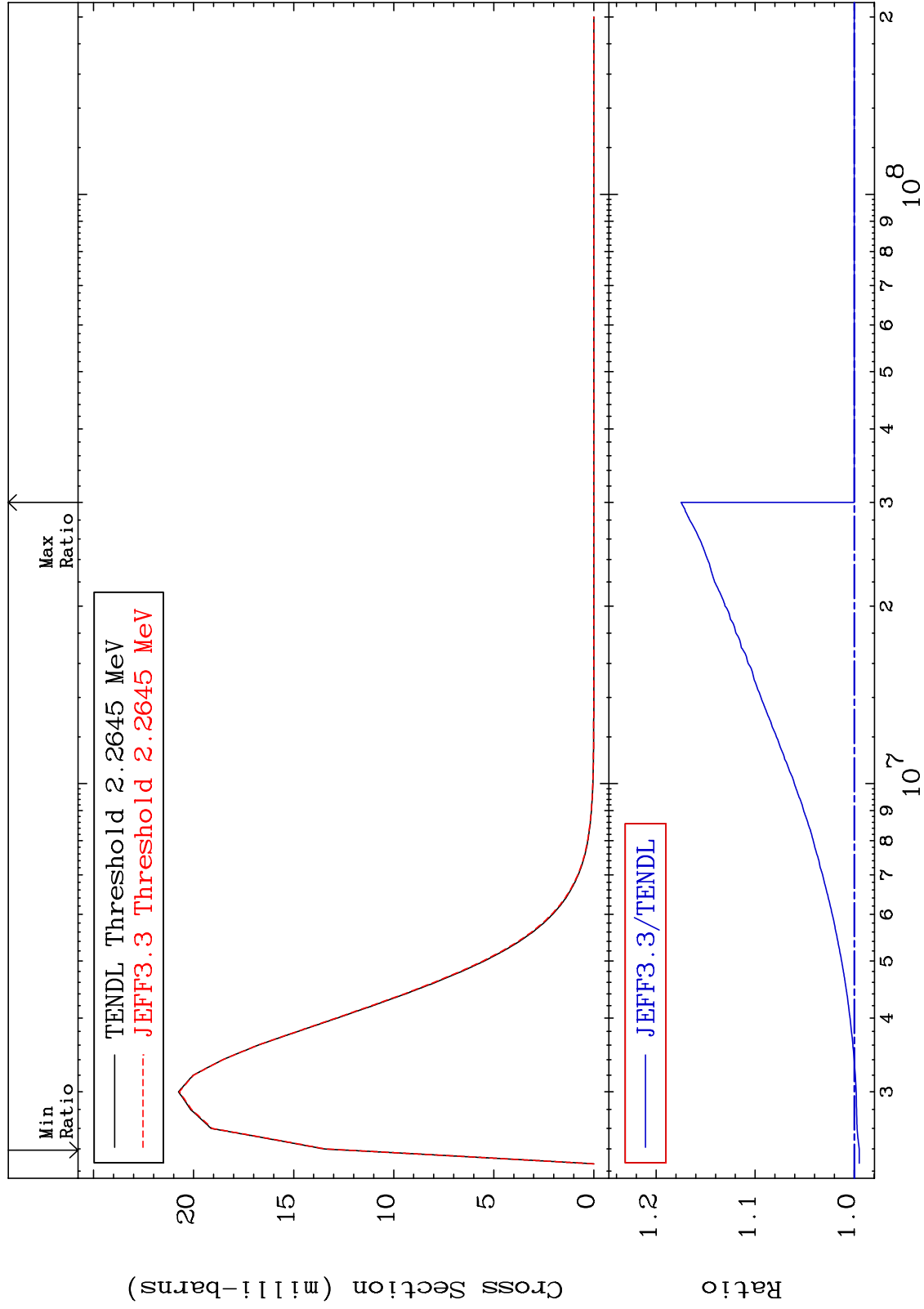
44-Ru-98
-1.549 To 1.971 %



MAT 4431

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

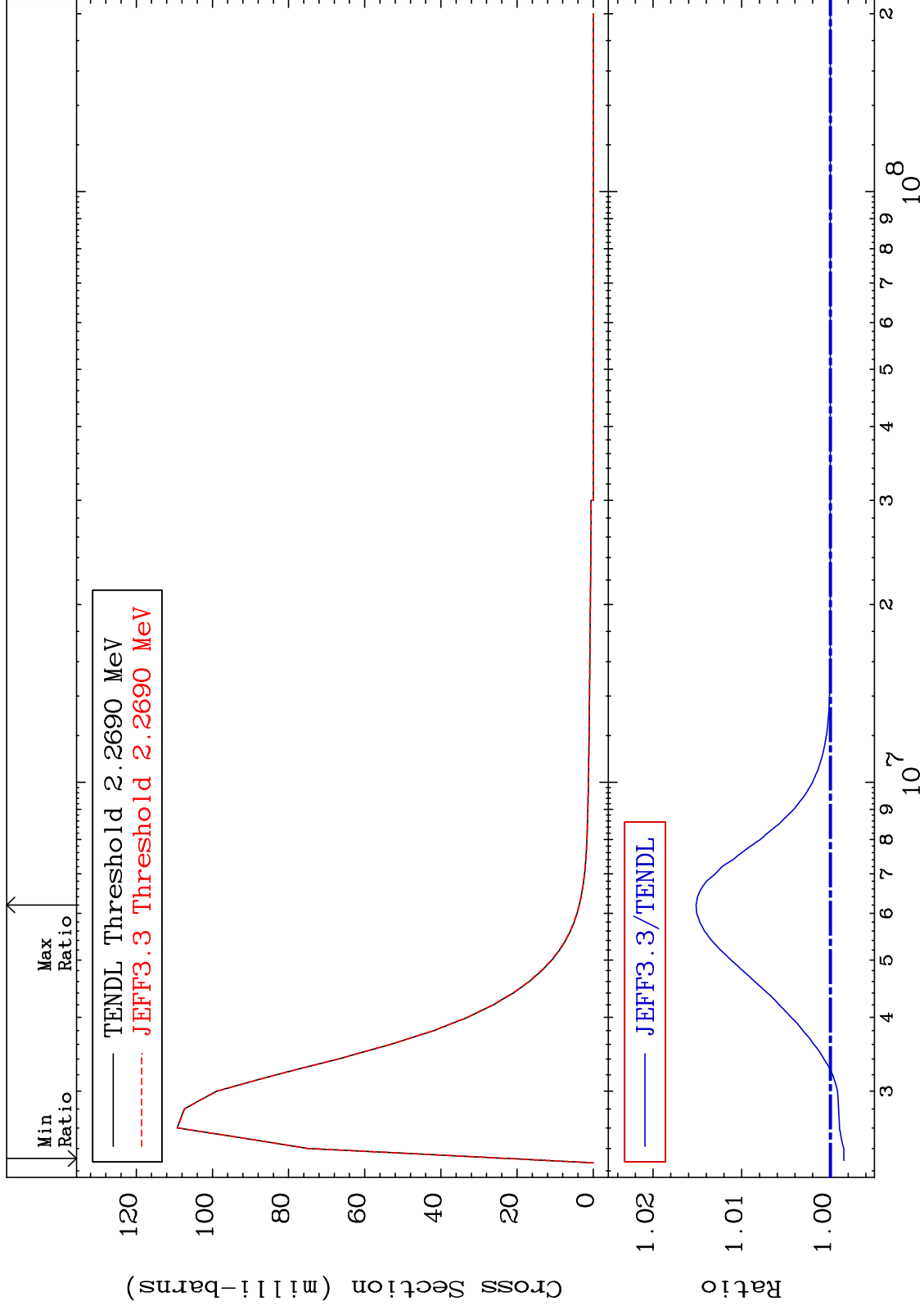
44-Ru-98
-0.508 To 17.48 %



MAT 4431

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

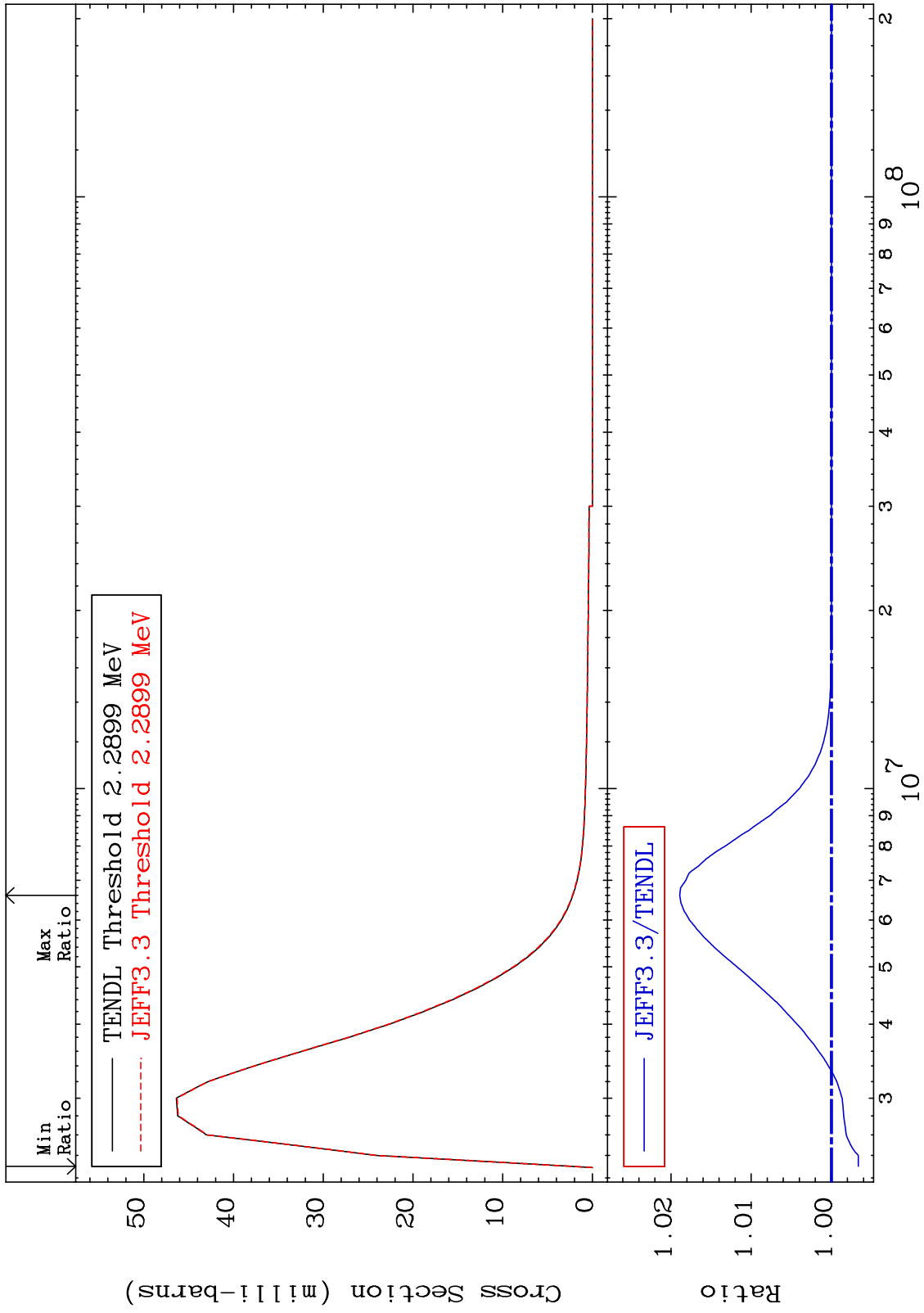
44-Ru-98
-0.150 To 1.515 %



MAT 4431

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

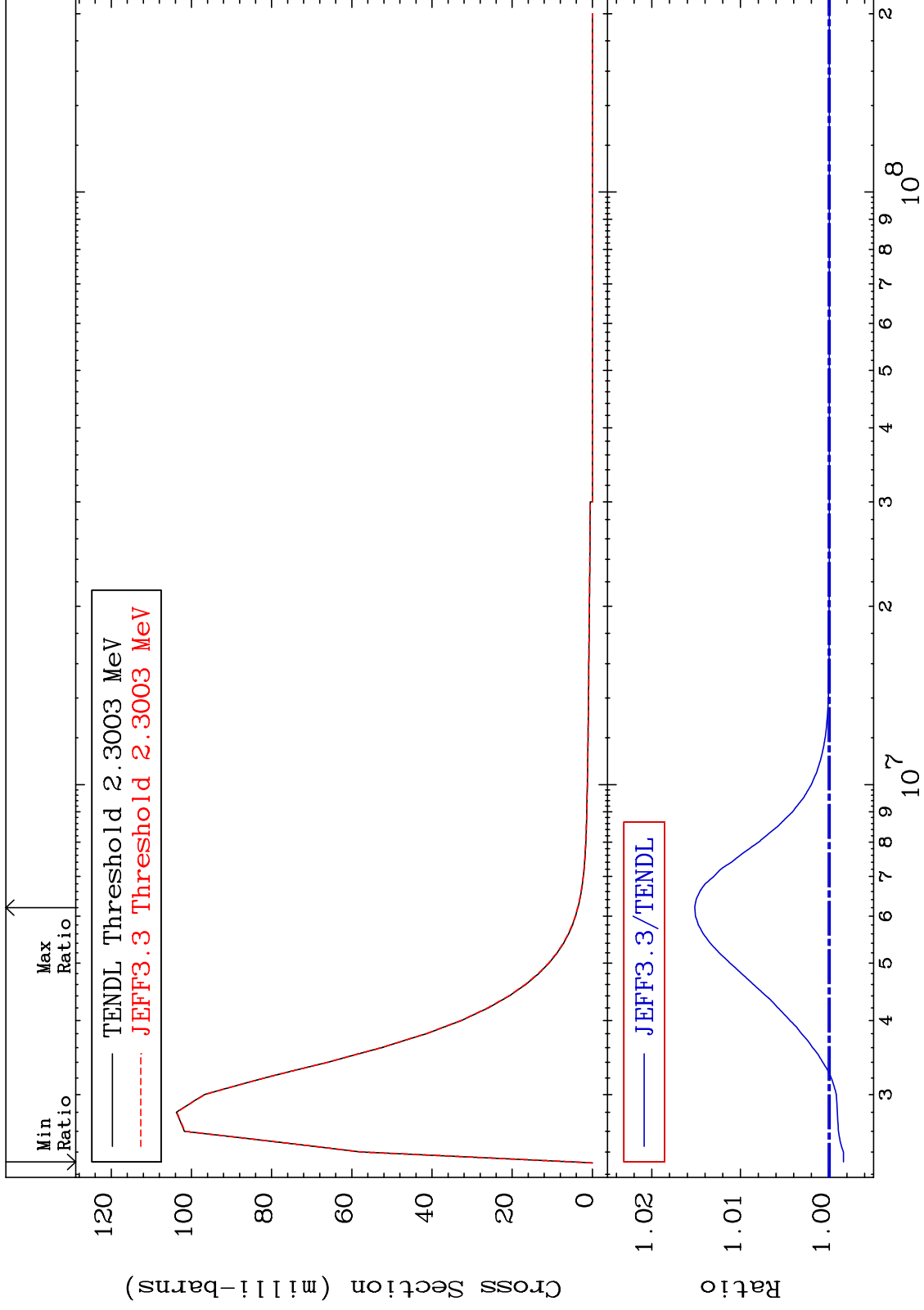
44-Ru-98
-0.335 To 1.890 %



MAT 4431

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

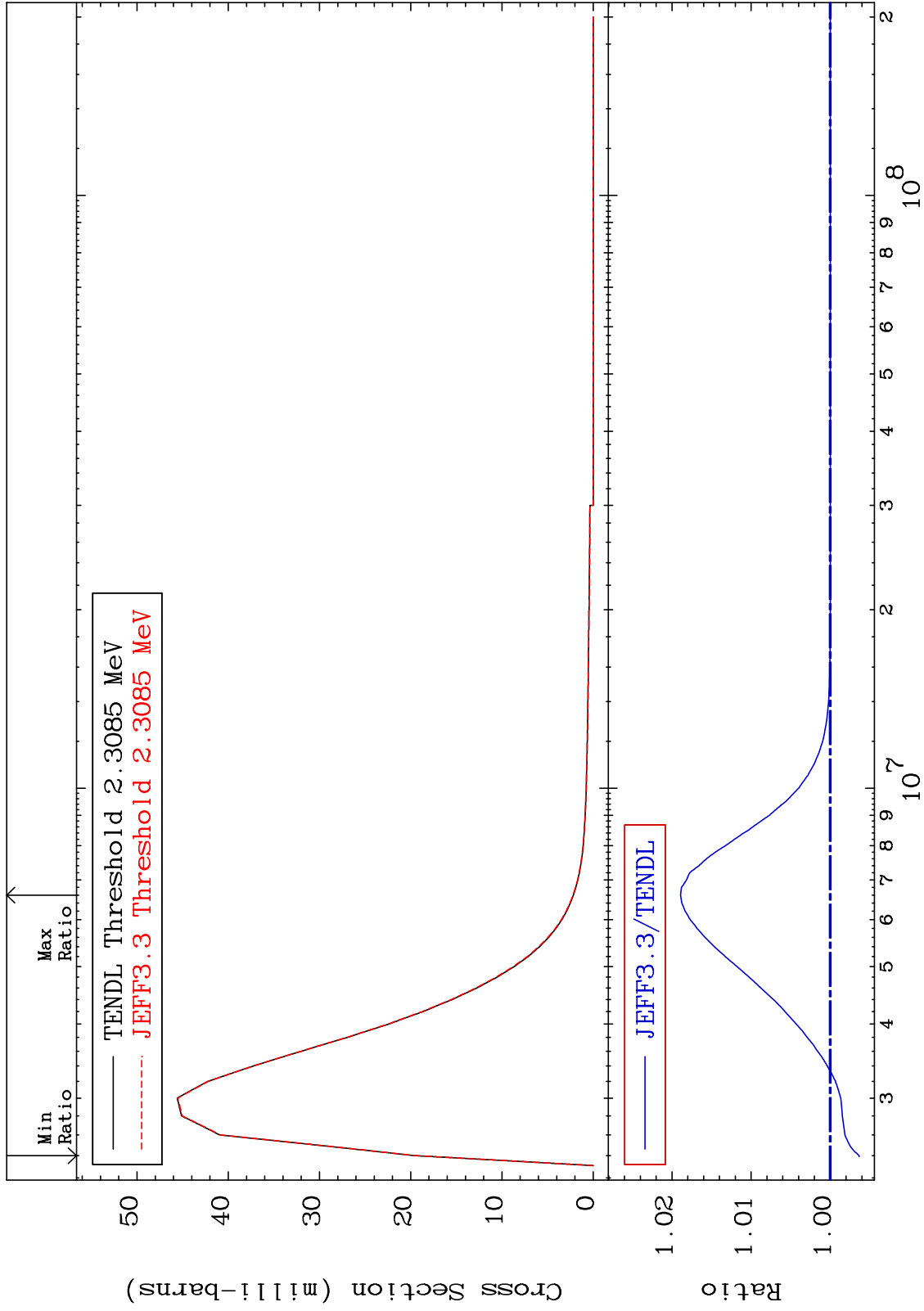
44-Ru-98
-0.161 To 1.516 %



MAT 4431

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

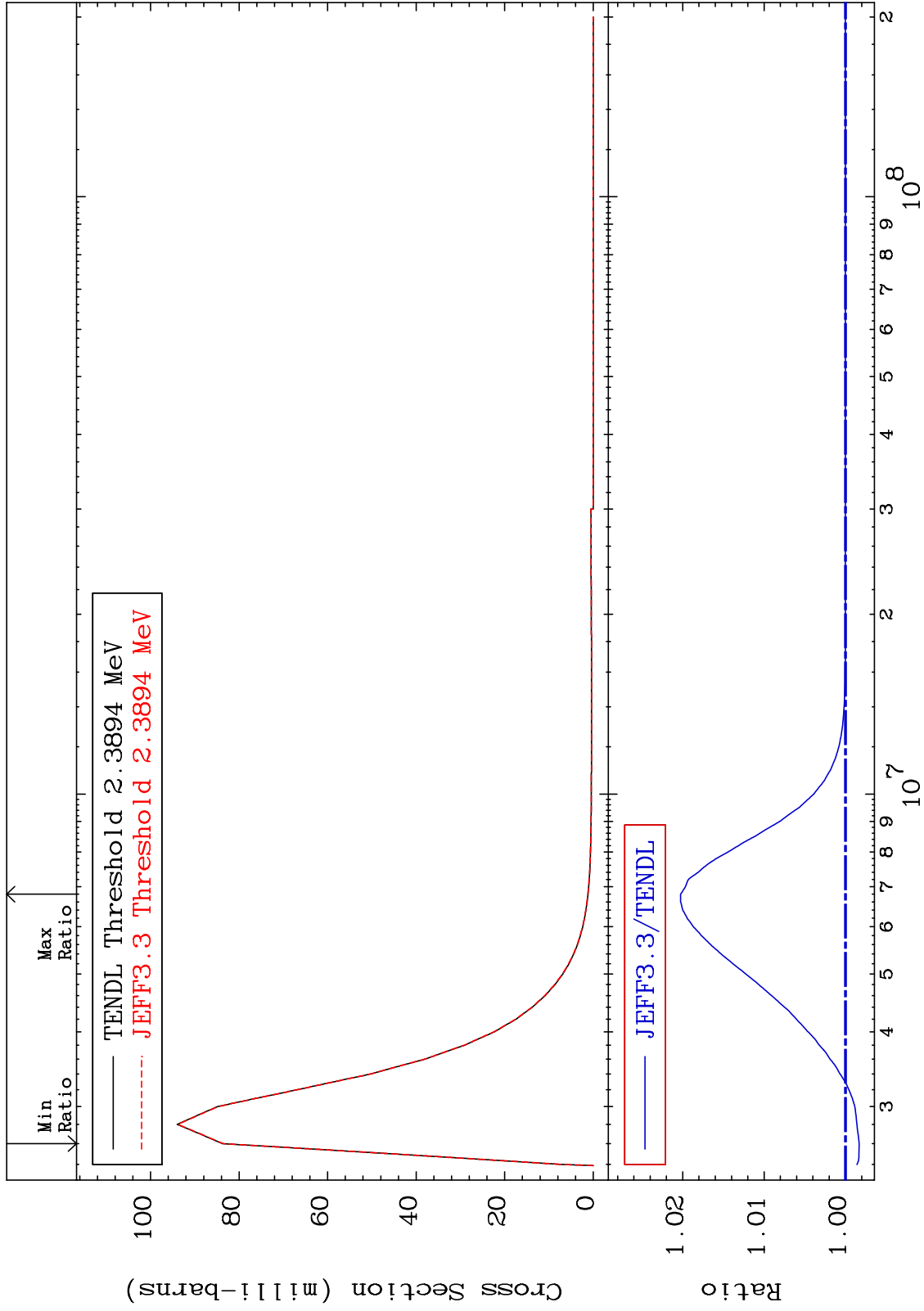
44-Ru-98
-0.365 To 1.891 %



MAT 4431

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

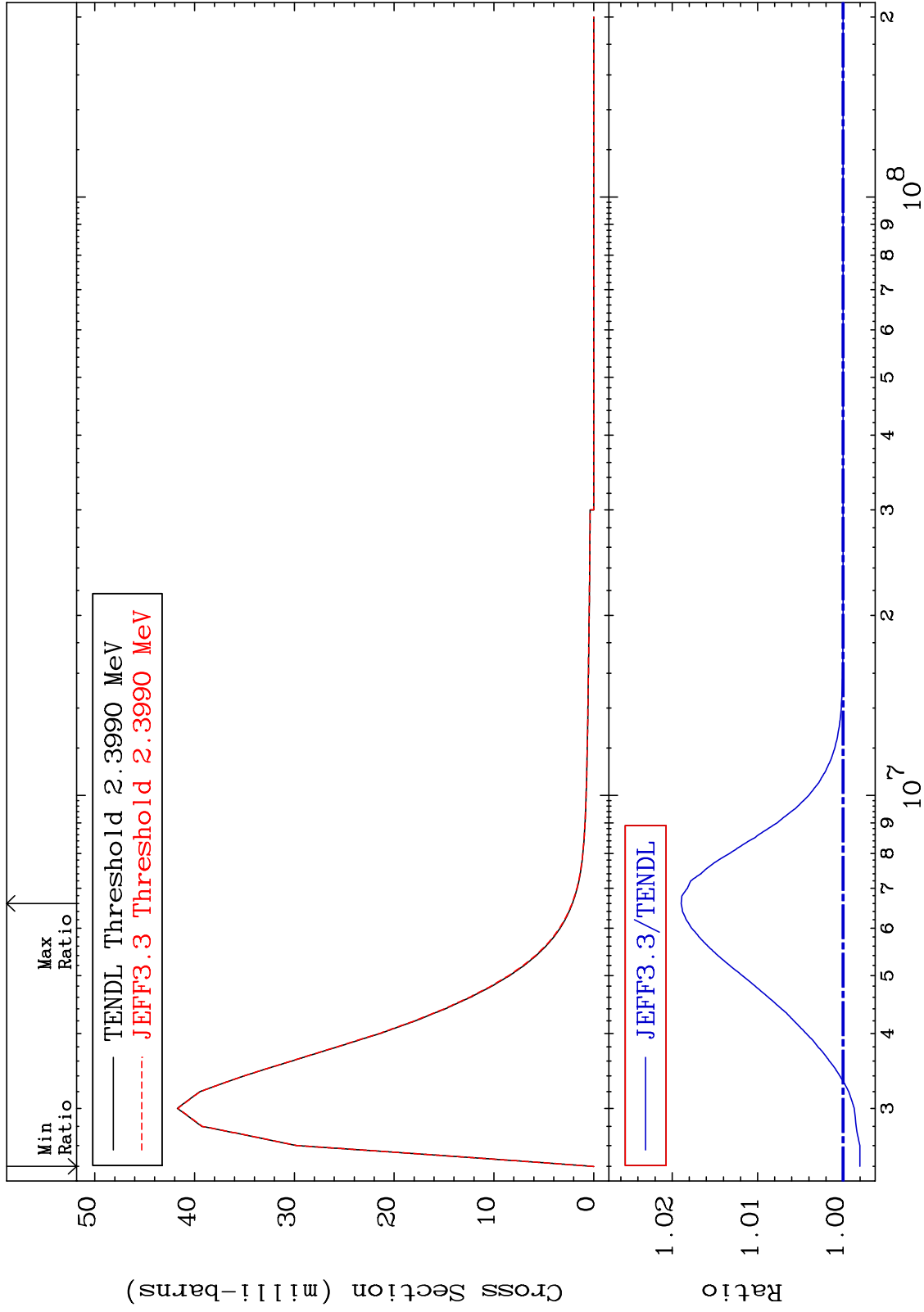
44-Ru-98
-0.168 To 2.025 %



MAT 4431

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

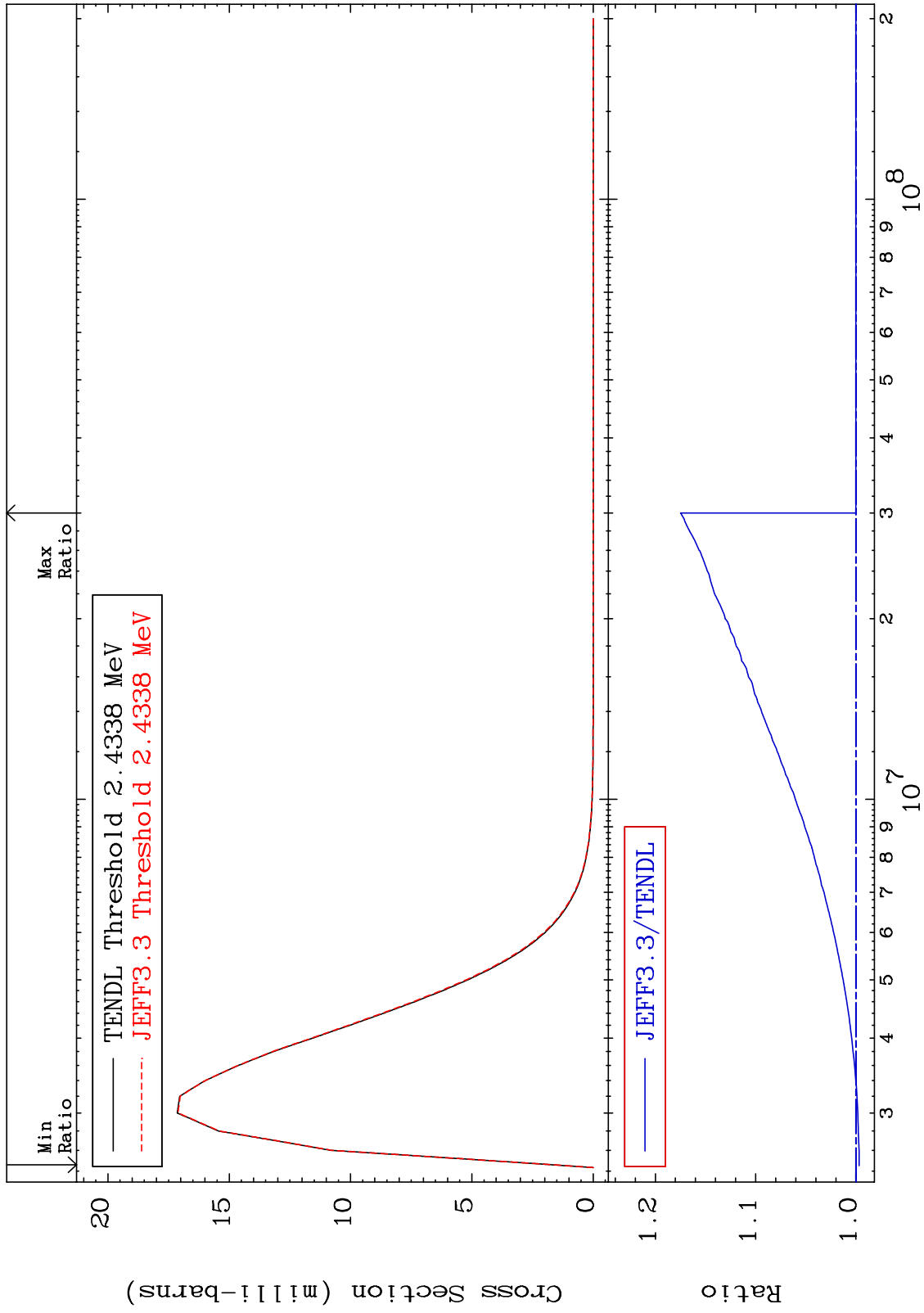
44-Ru-98
-0.197 To 1.894 %



MAT 4431

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

44-Ru-98
-0.323 To 17.48 %



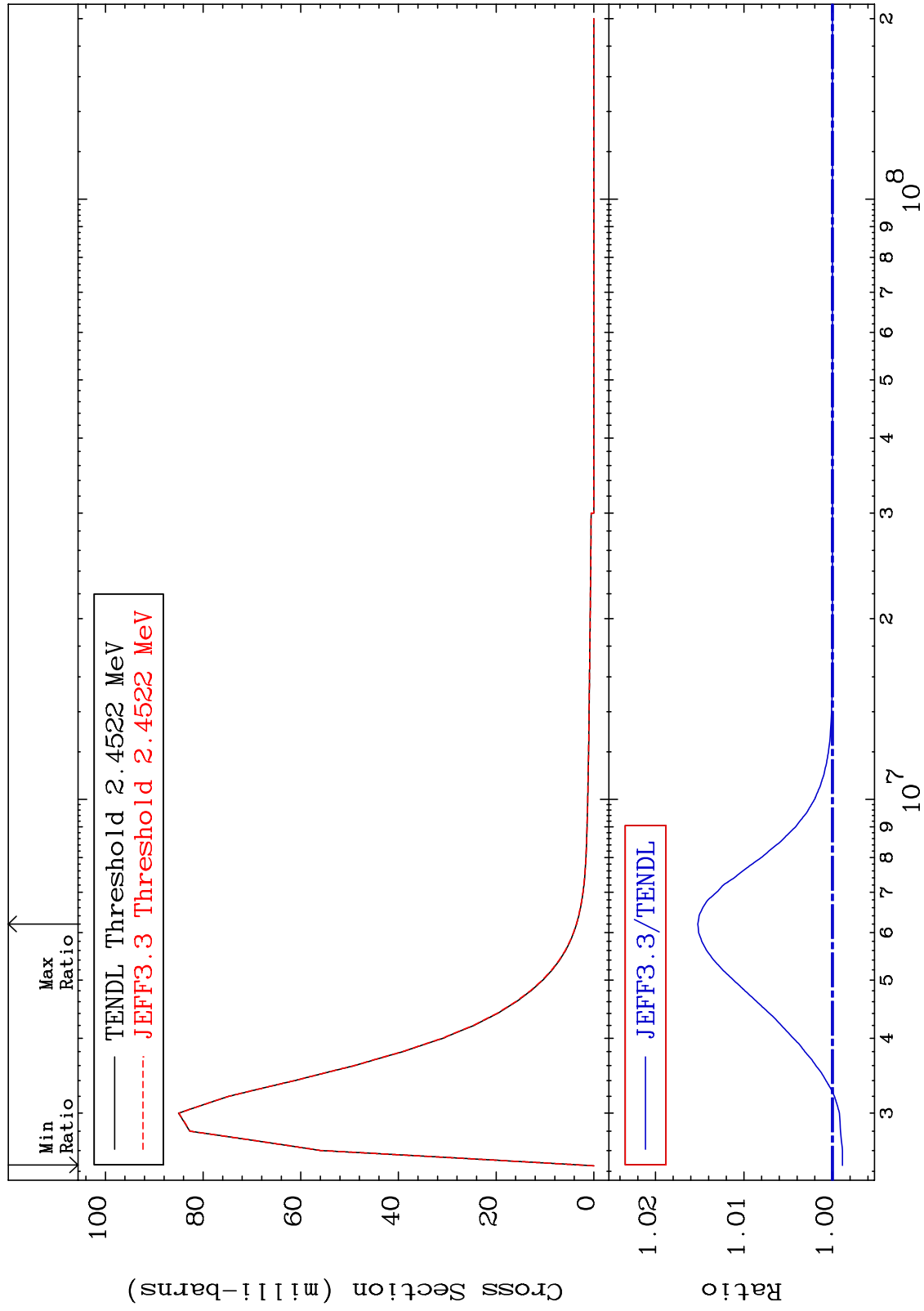
35

44-Ru-98

MAT 4431

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

44-Ru-98
-0.114 To 1.522 %



36

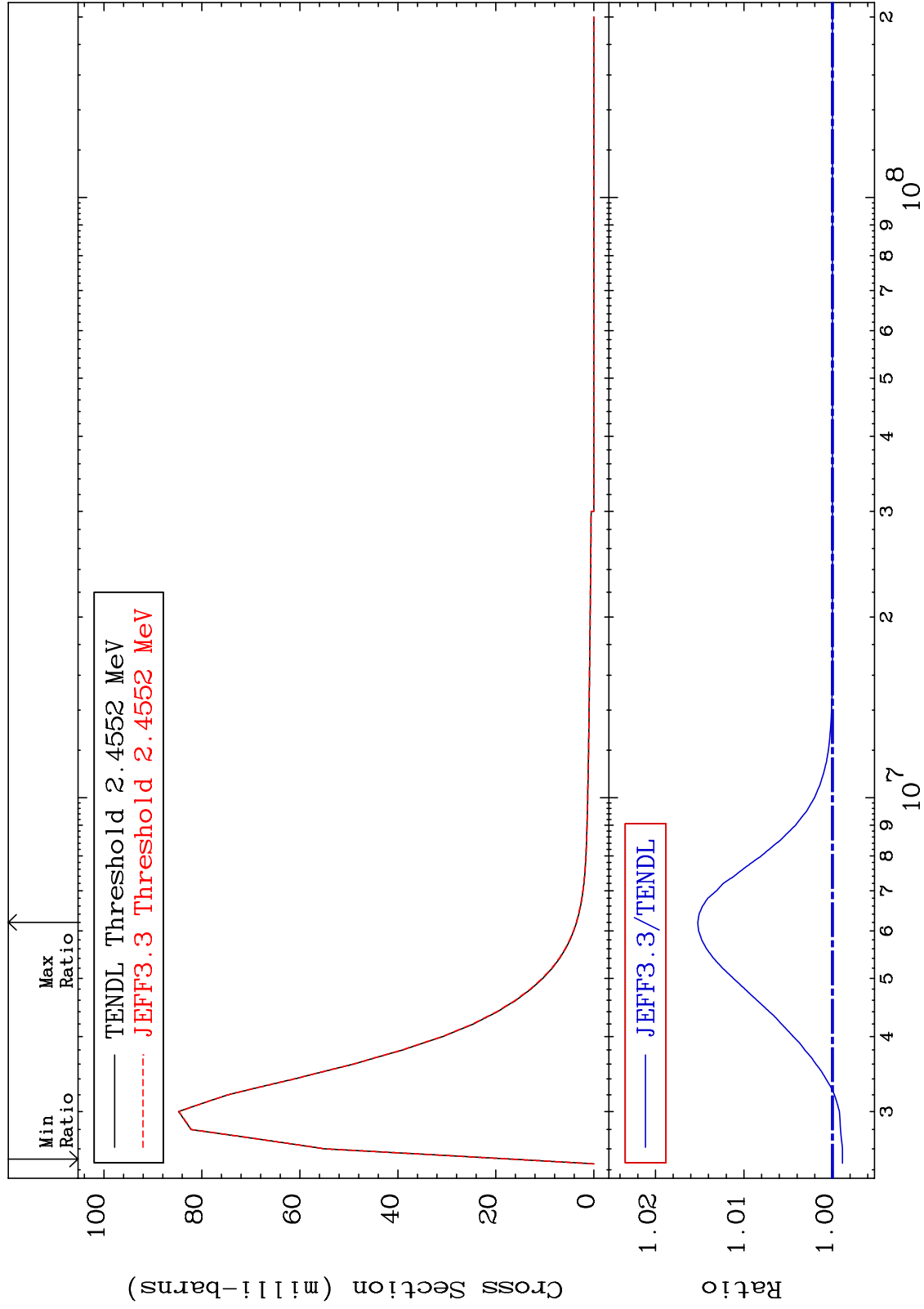
44-Ru-98

44-Ru-98

MAT 4431

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

44-Ru-98
-0.114 To 1.522 %



37

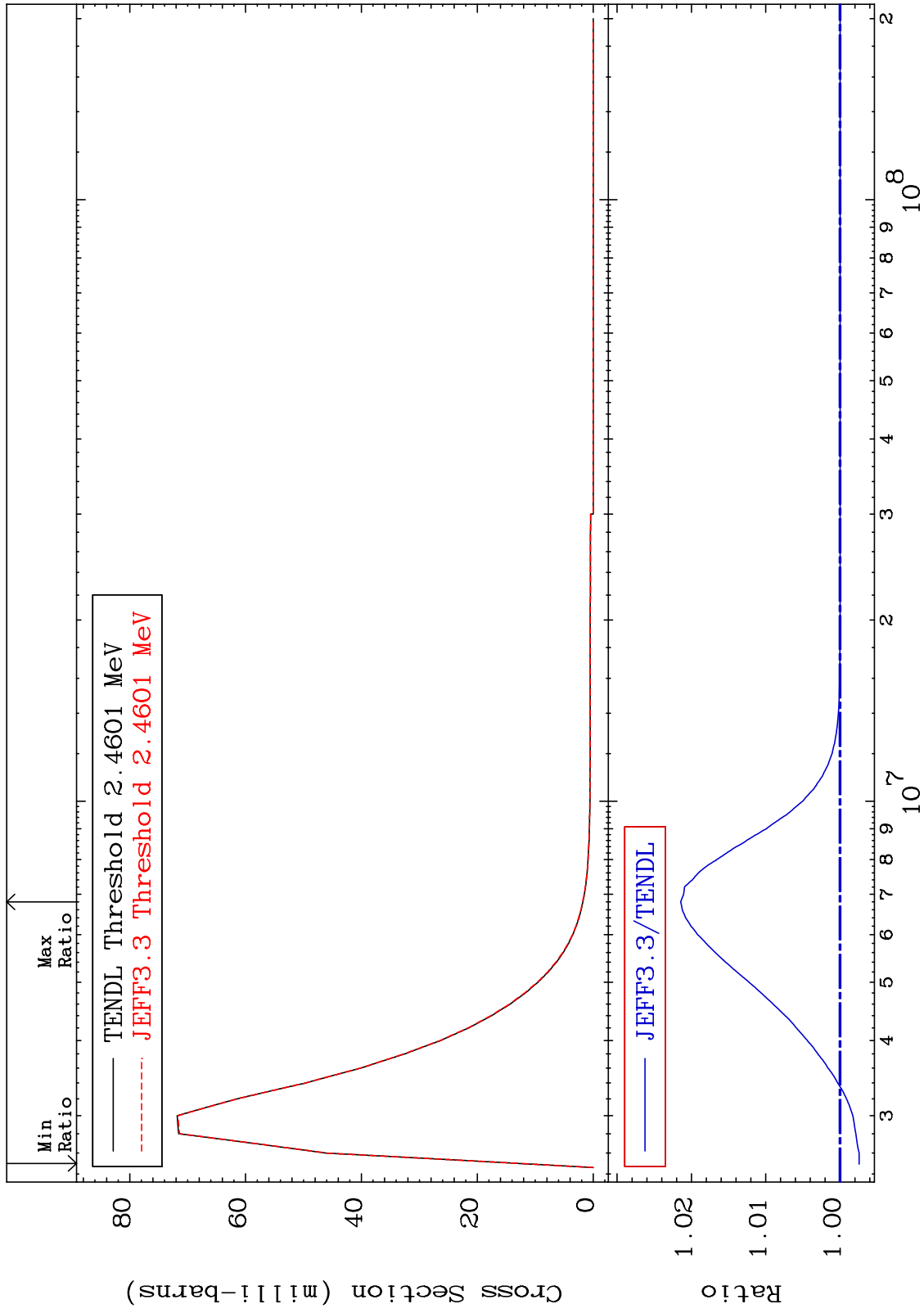
Incident Energy (eV)

44-Ru-98

MAT 4431

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

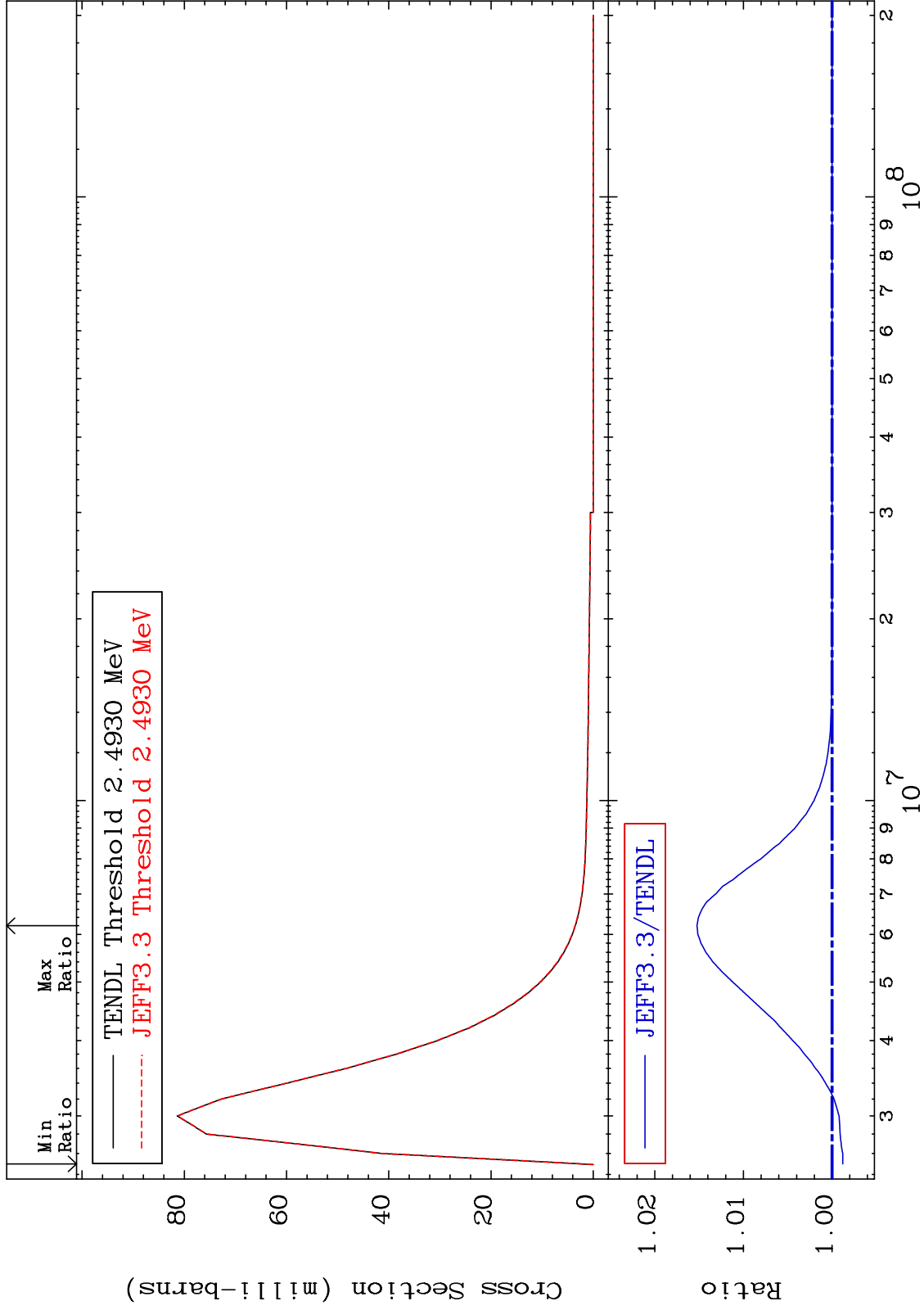
44-Ru-98
-0.257 To 2.145 %



MAT 4431

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

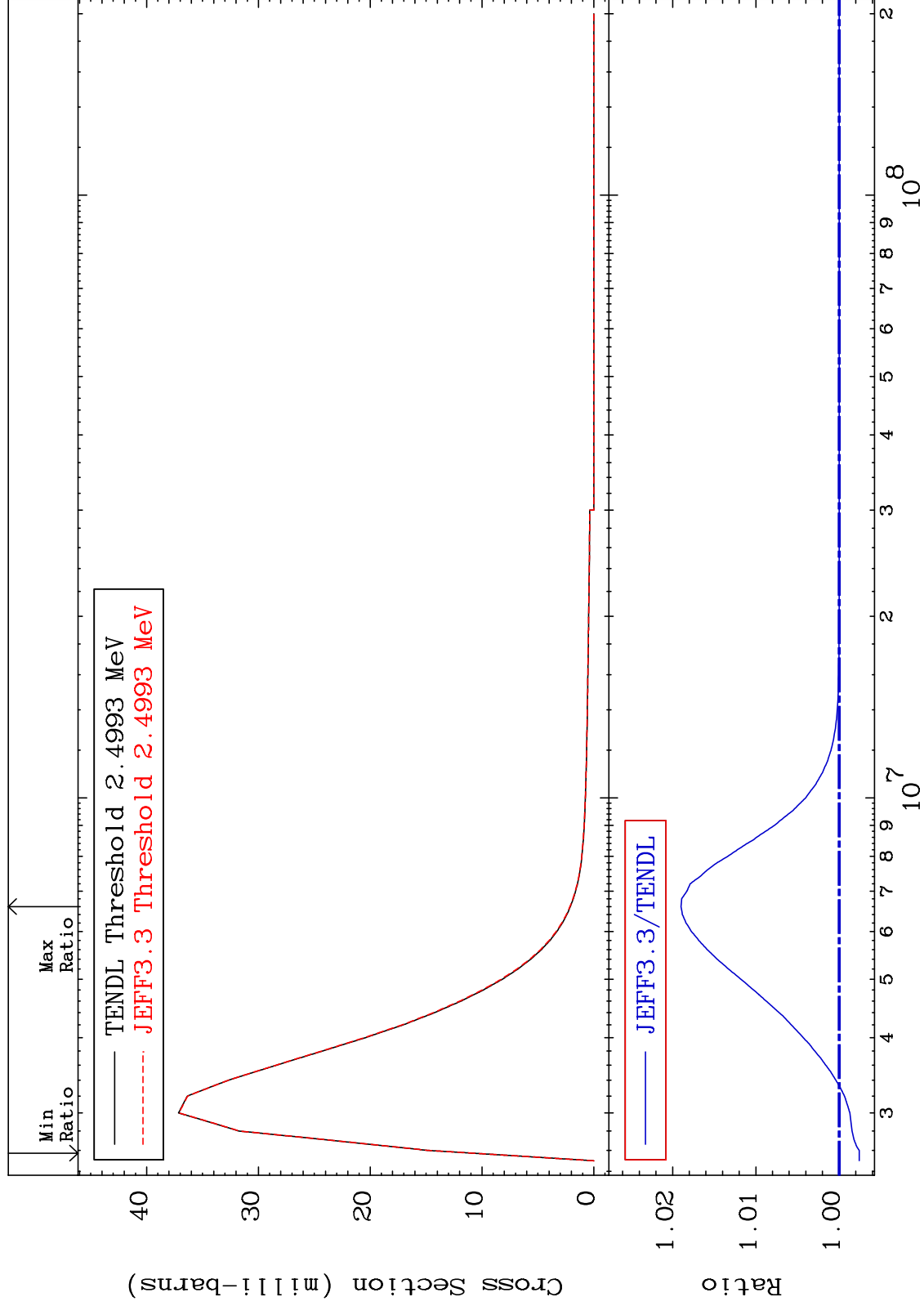
44-Ru-98
-0.121 To 1.523 %



MAT 4431

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

44-Ru-98
-0.242 To 1.899 %



40

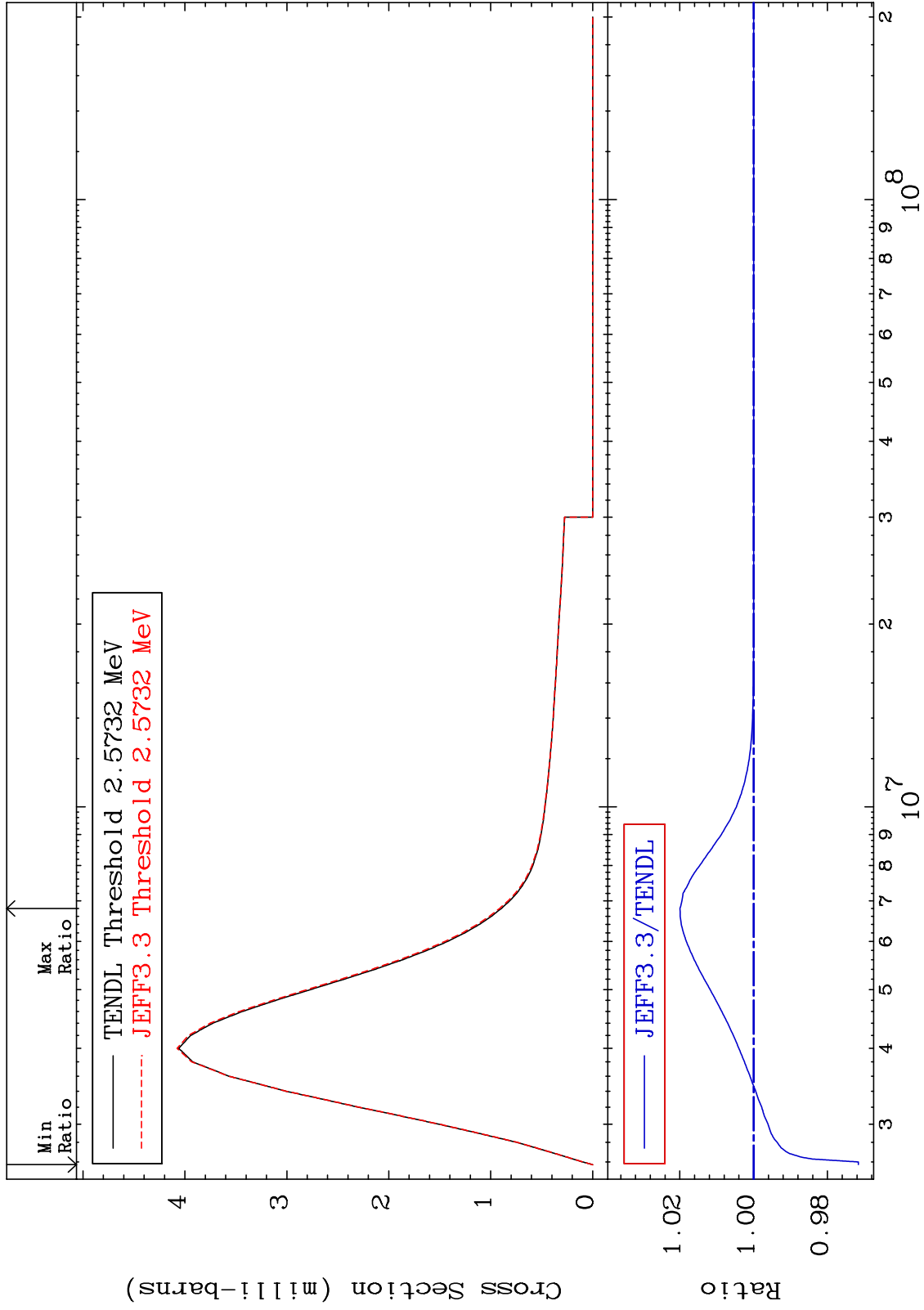
Incident Energy (eV)

44-Ru-98

MAT 4431

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

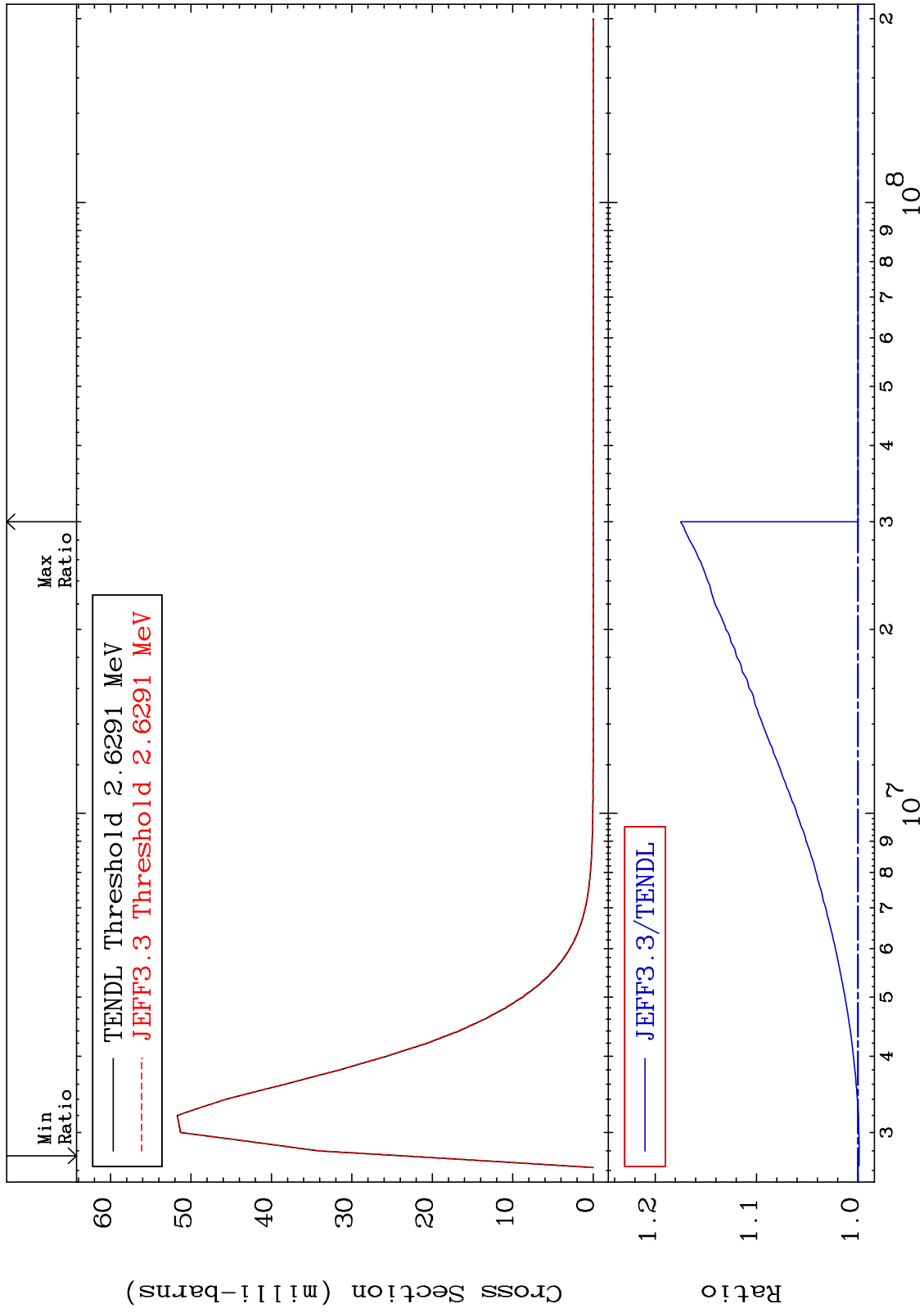
44-Ru-98
-2.838 To 1.995 %



MAT 4431

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

44-Ru-98
-0.114 To 17.49 %



42

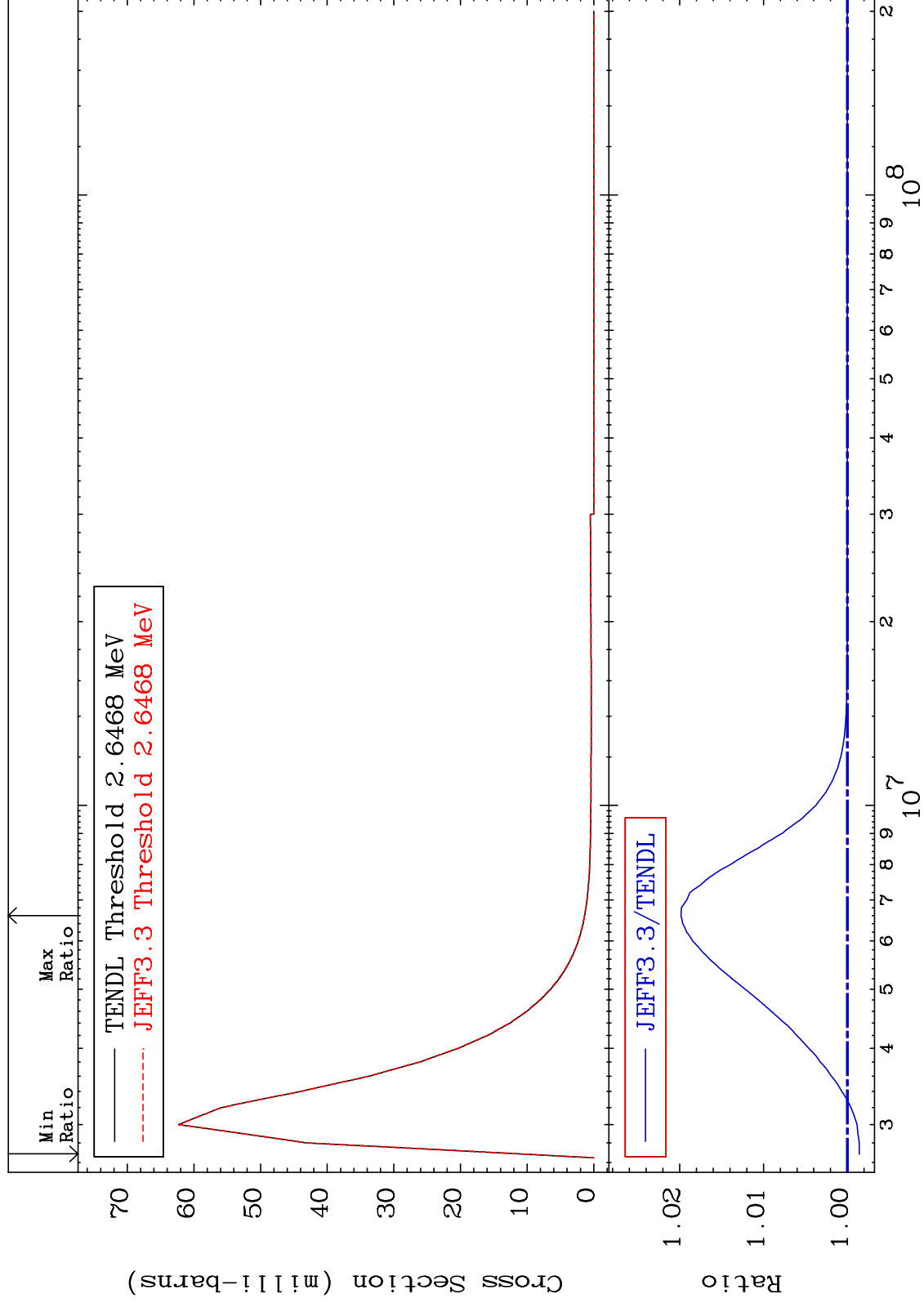
Incident Energy (eV)

44-Ru-98

MAT 4431

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

44-Ru-98
-0.143 To 1.983 %



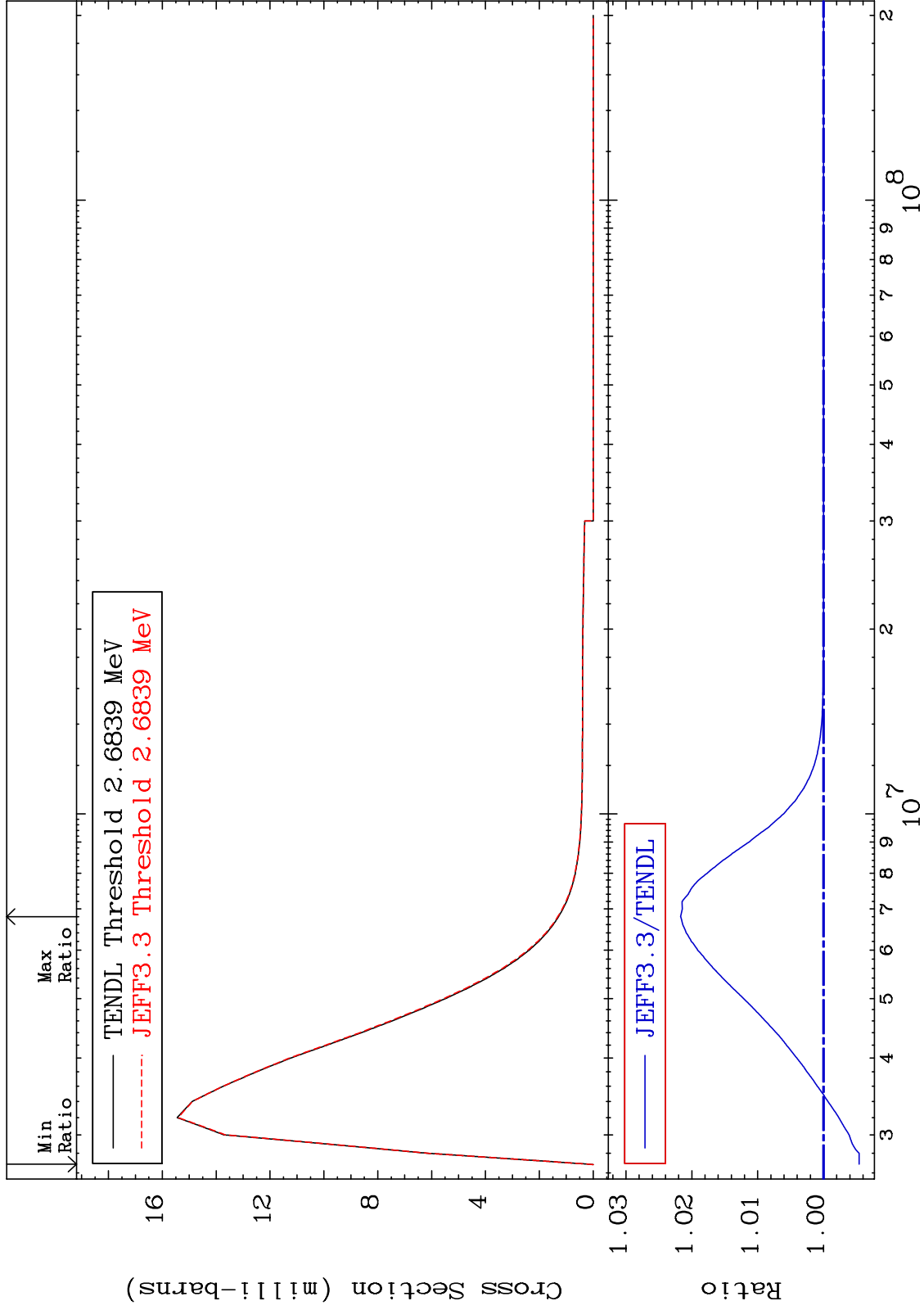
43

44-Ru-98

MAT 4431

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

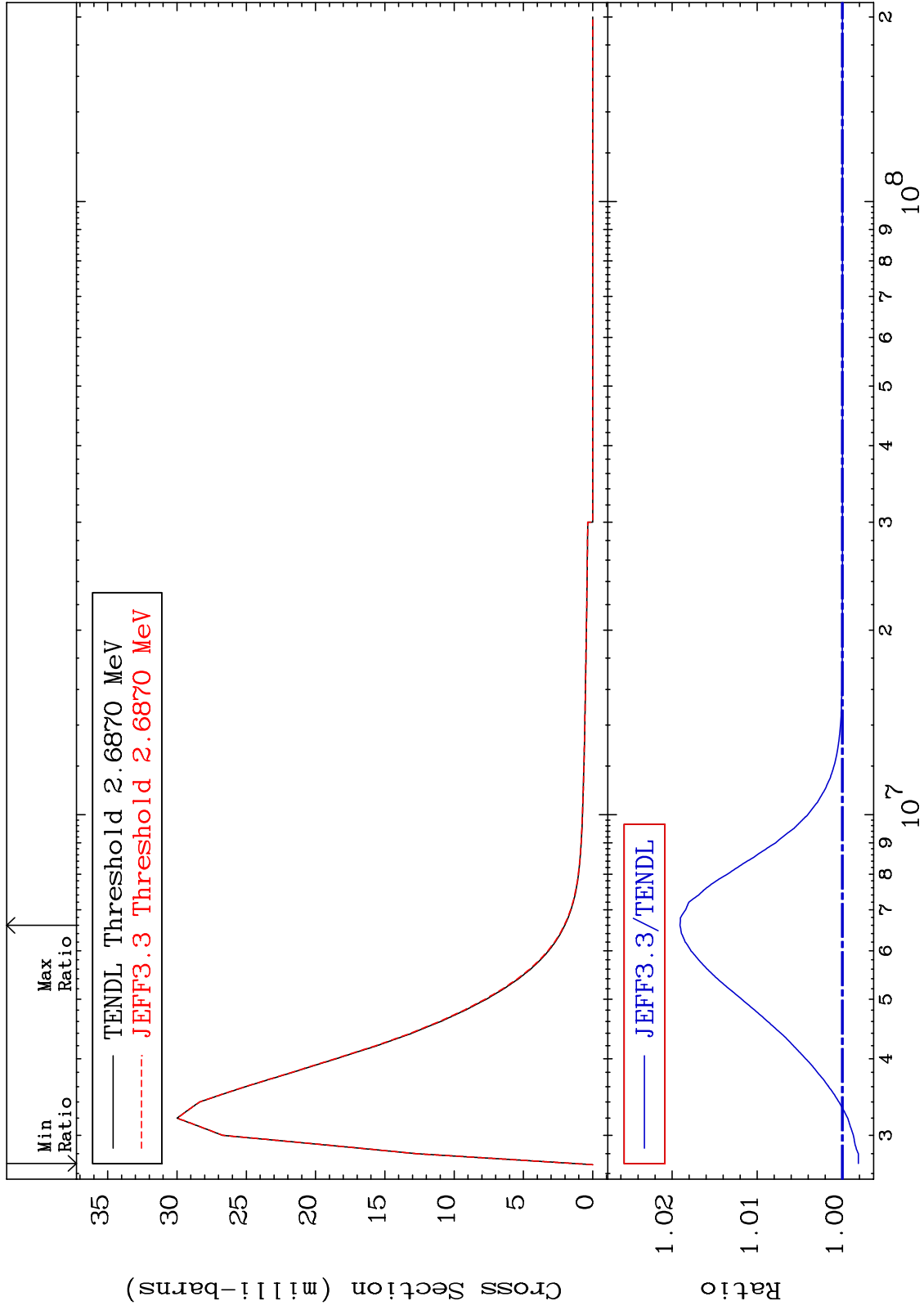
44-Ru-98
-0.541 To 2.170 %



MAT 4431

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

44-Ru-98
-0.189 To 1.906 %



45

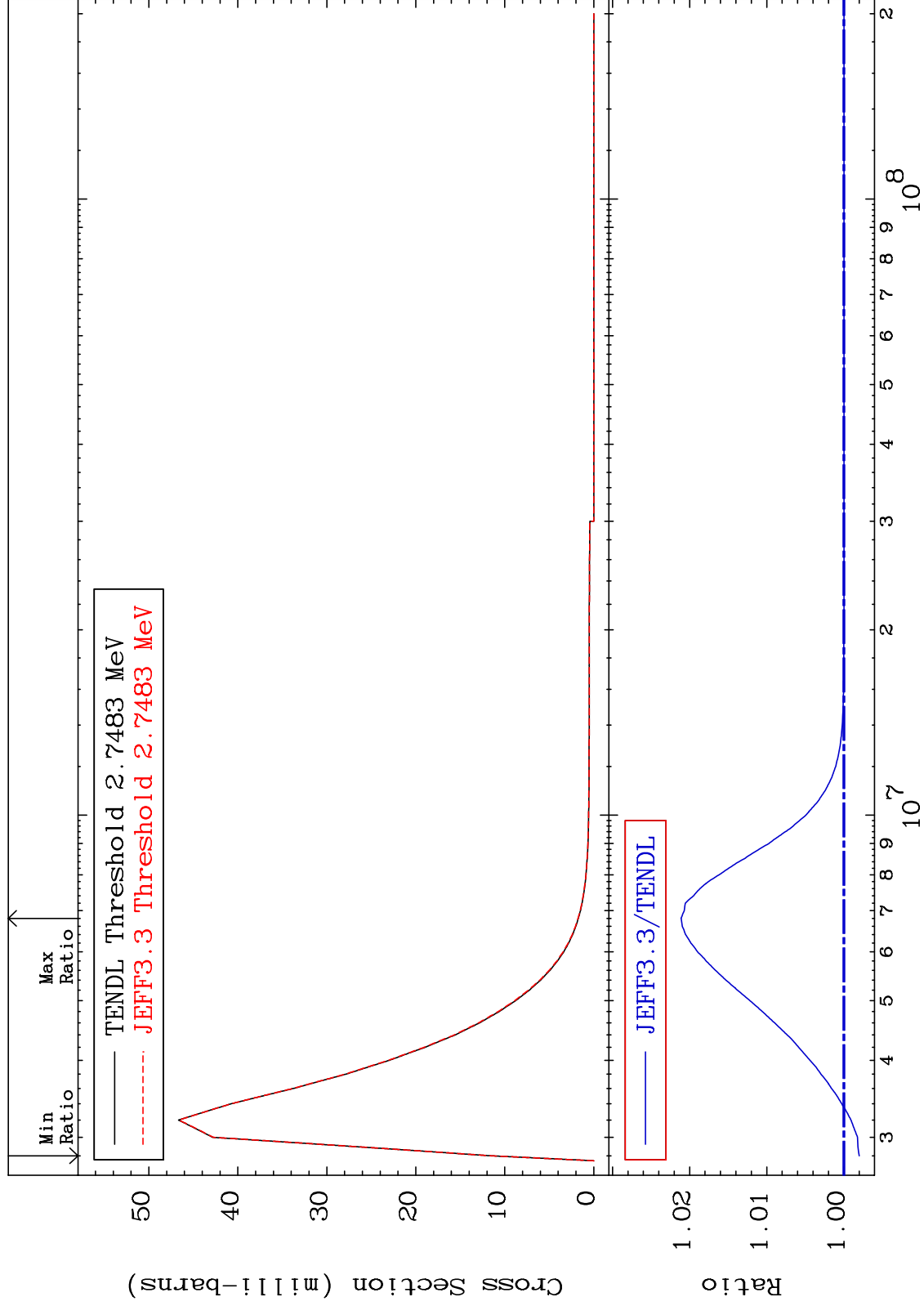
Incident Energy (eV)

44-Ru-98

MAT 4431

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

44-Ru-98
-0.199 To 2.111 %



46

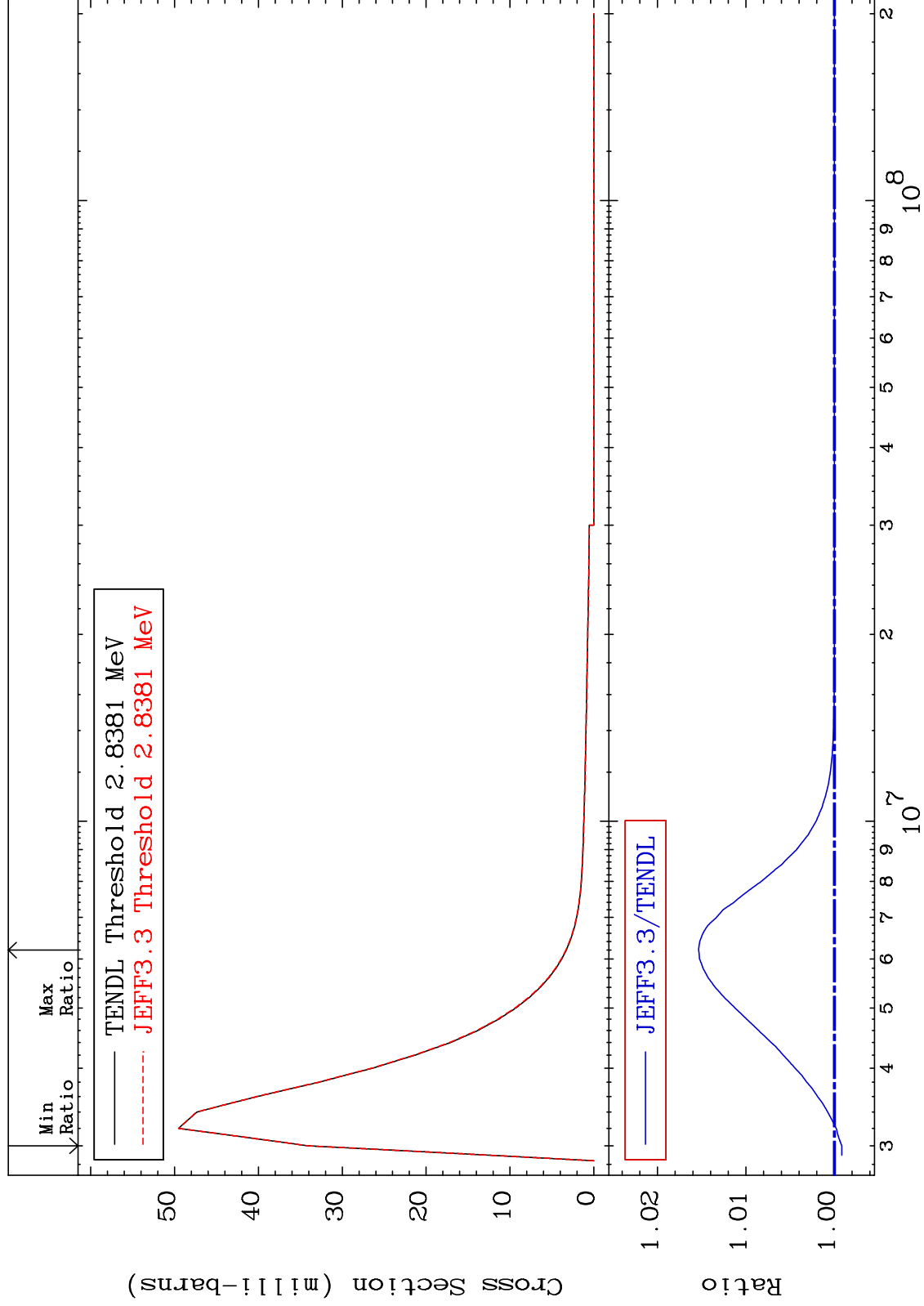
Incident Energy (eV)

44-Ru-98

MAT 4431

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

44-Ru-98
-0.082 To 1.536 %



47

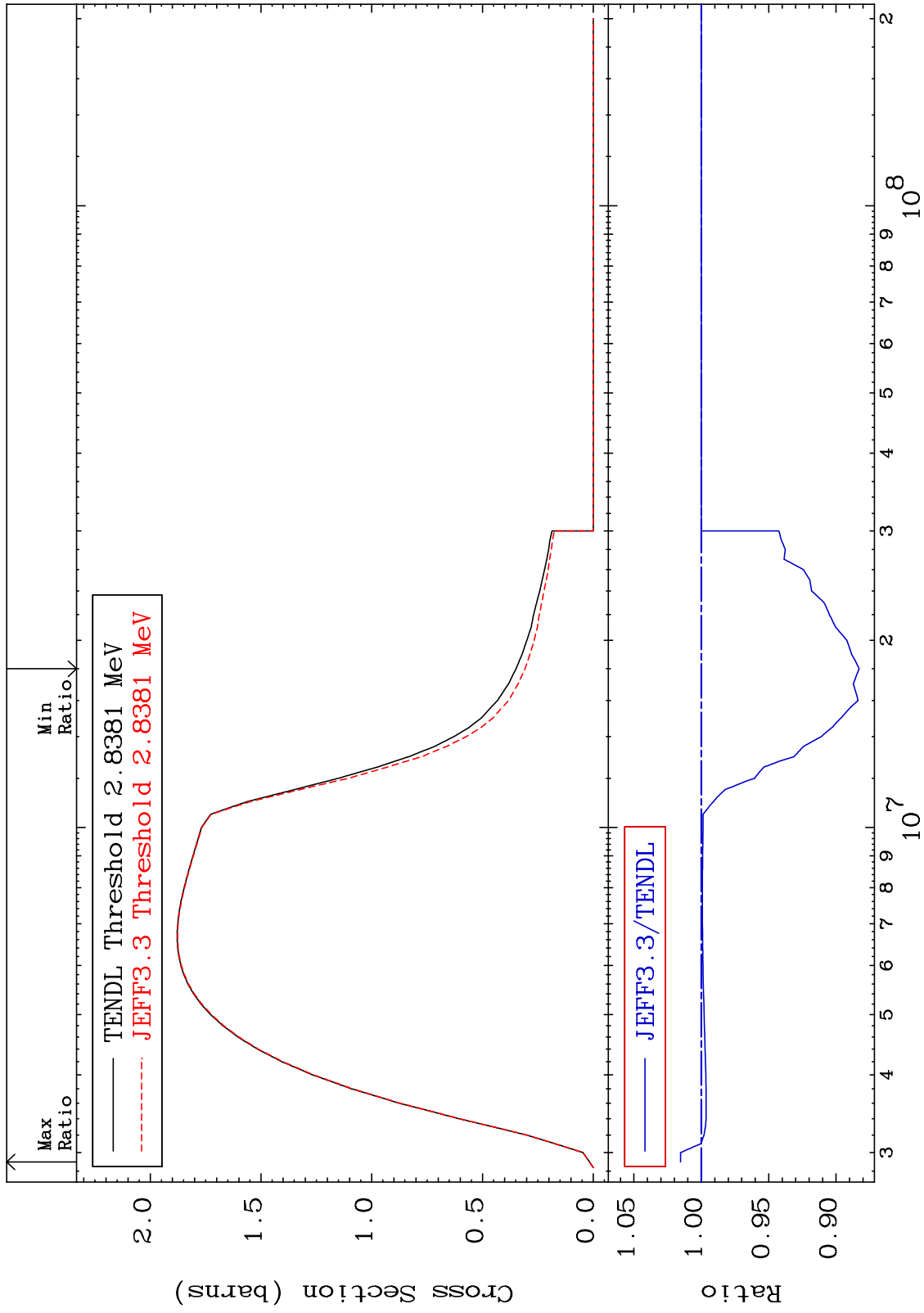
Incident Energy (eV)

44-Ru-98

MAT 4431

(n, n') Continuum
Cross Section

44-Ru-98
-11.71 To 1.534 %



48

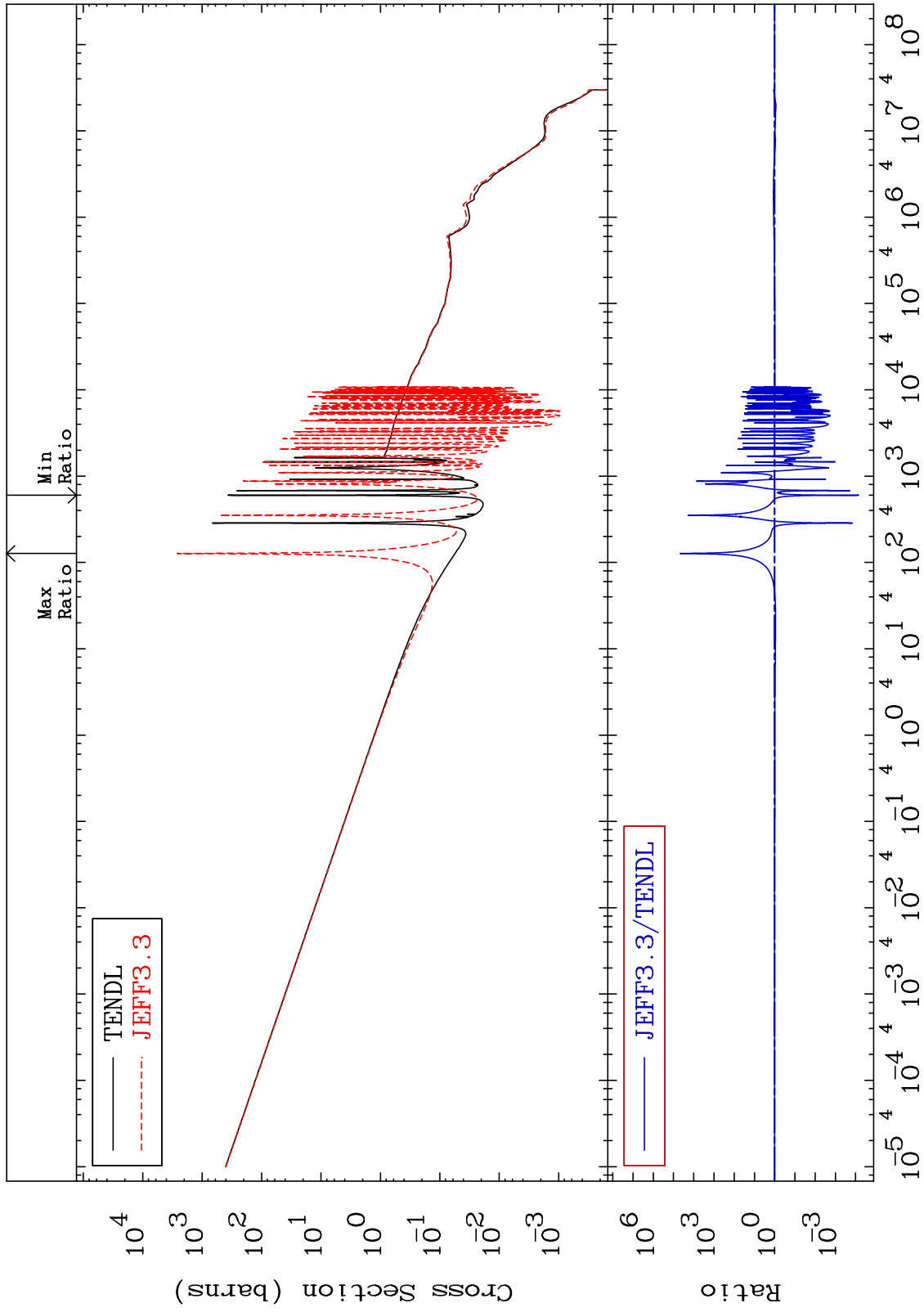
Incident Energy (eV)

44-Ru-98

MAT 4431

(n, γ)
Cross Section

44-Ru-98
-99.99 To 9999. %



49

Incident Energy (eV)

44-Ru-98

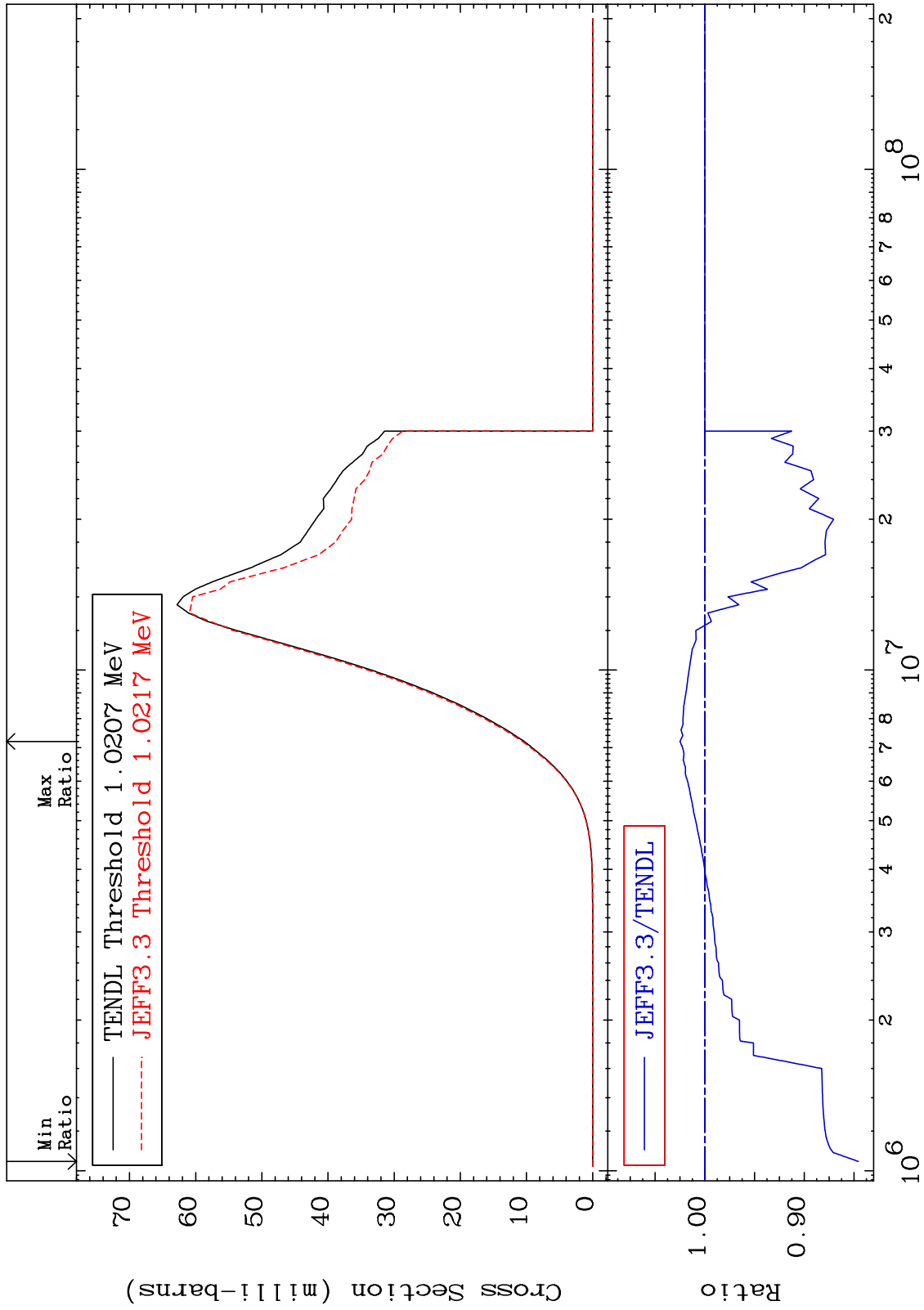
MAT 4431

(n, p)

44-Ru-98

Cross Section

-15.45 To 2.500 %



Incident Energy (eV)

44-Ru-98

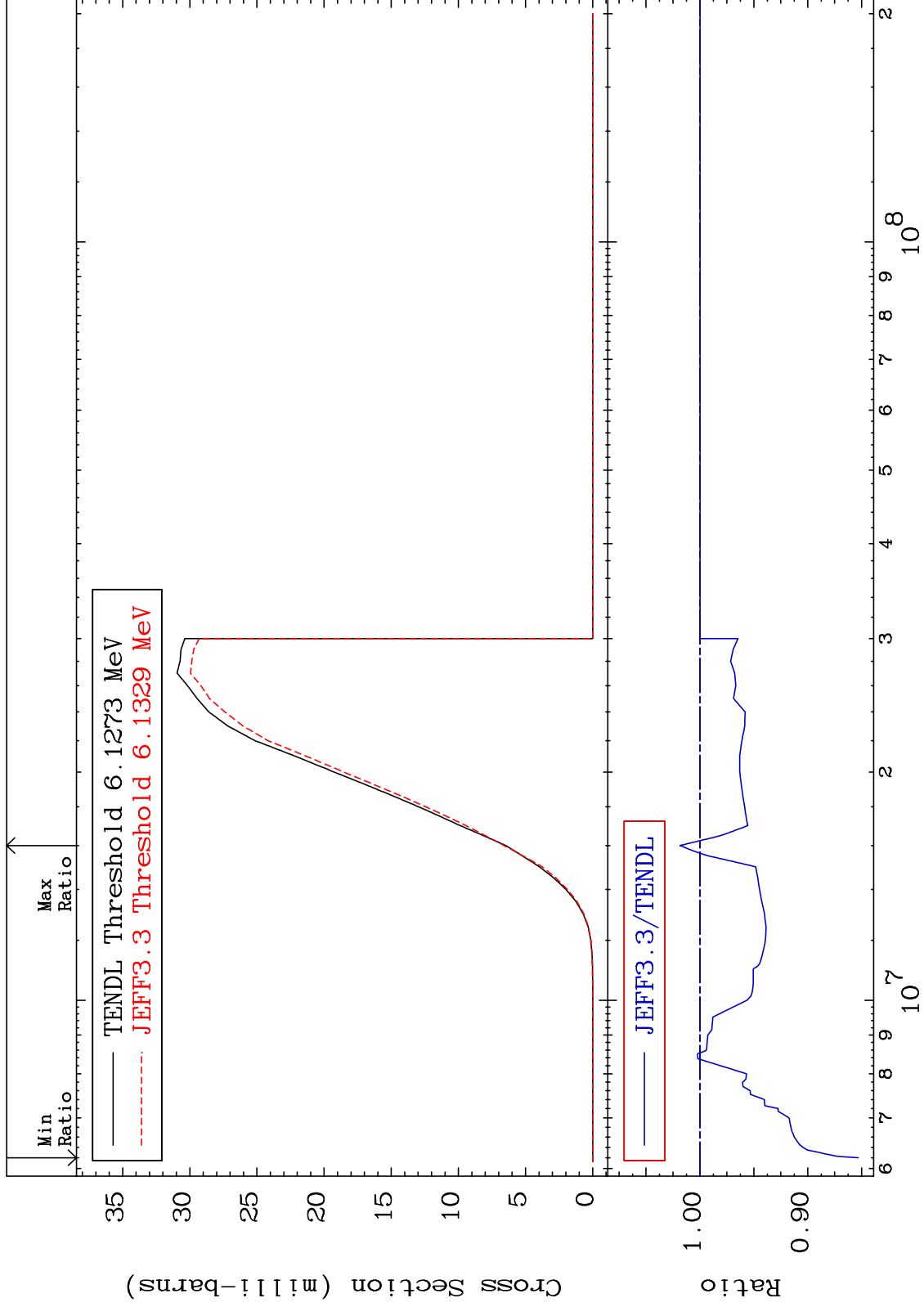
MAT 4431

(n, d)

44-Ru-98

Cross Section

-14.70 To 1.847 %



44-Ru-98

Incident Energy (eV)

51

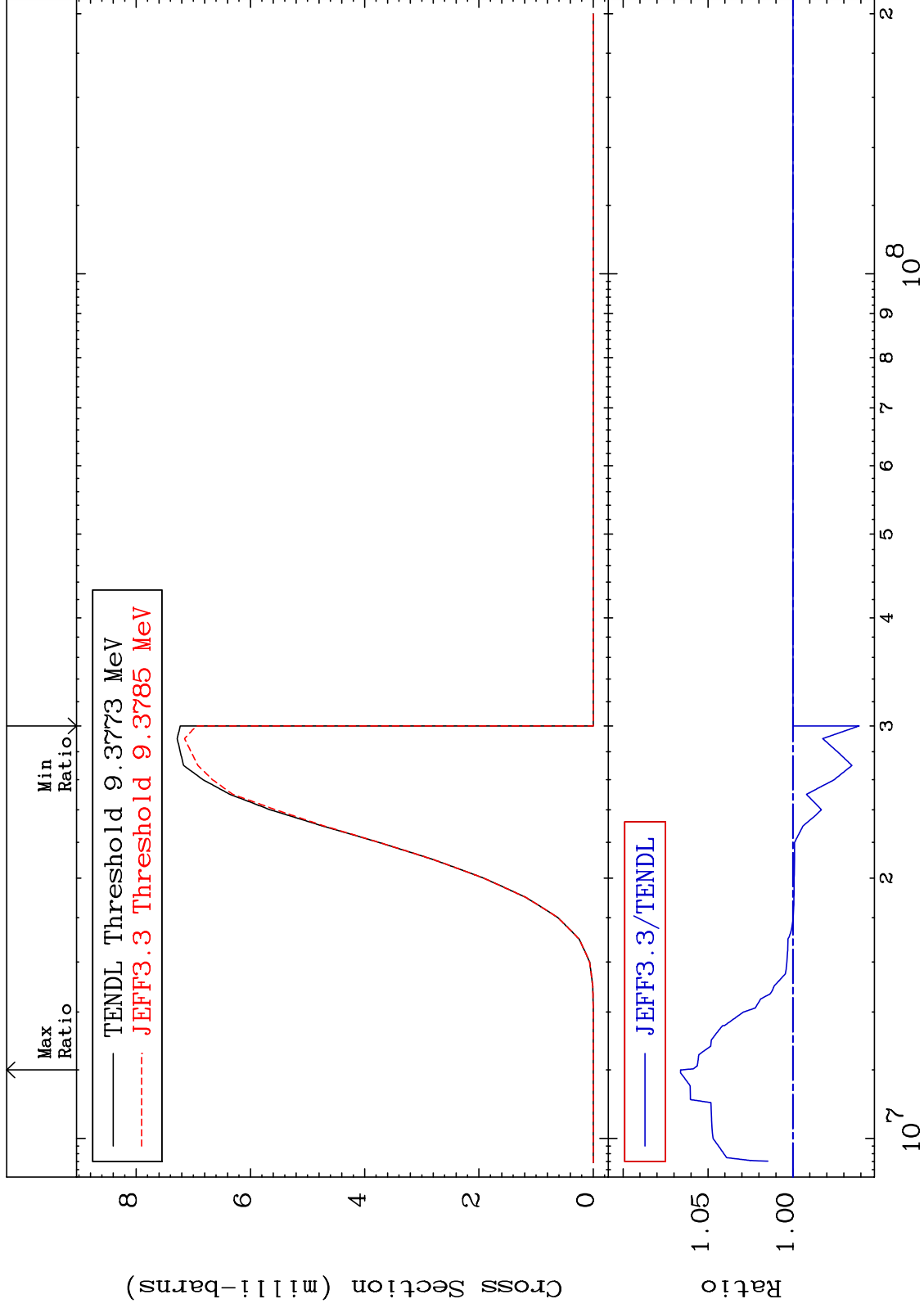
MAT 4431

(n, t)

44-Ru-98

Cross Section

-3.903 To 6.610 %



52

Incident Energy (eV)

44-Ru-98

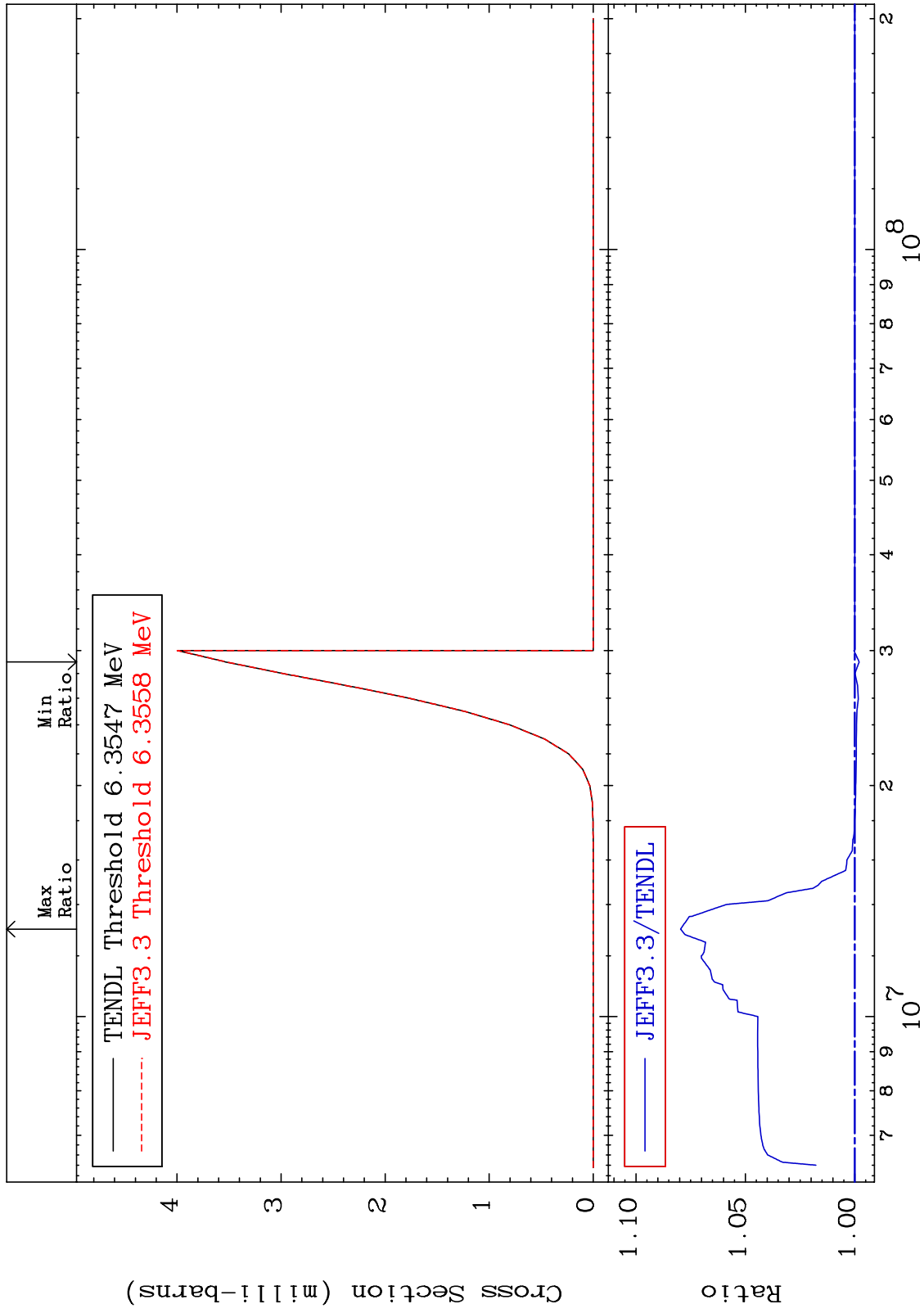
MAT 4431

(n, He-3)

44-Ru-98

Cross Section

-0.200 To 7.958 %



53

Incident Energy (eV)

44-Ru-98

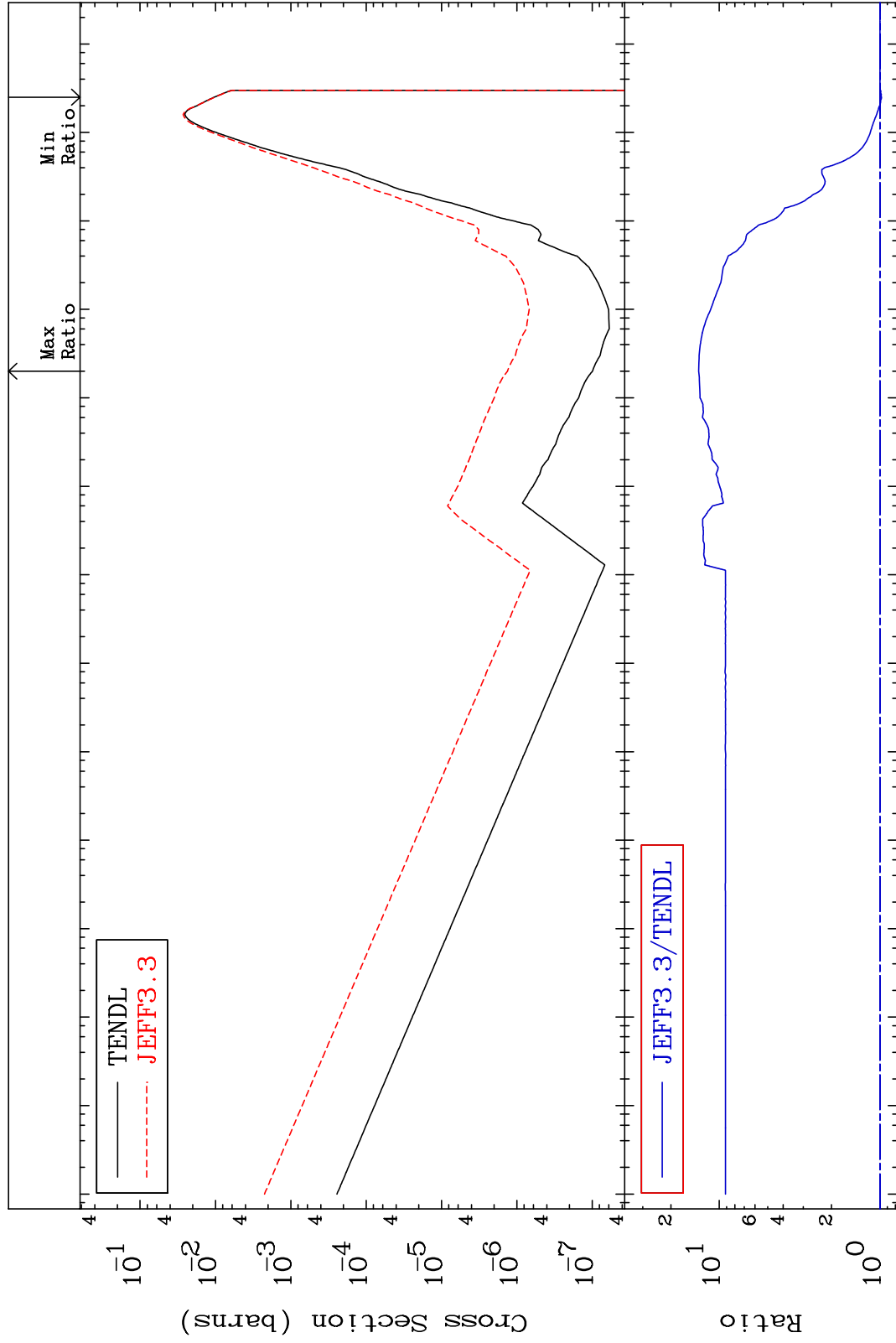
MAT 4431

(n, α)

44-Ru-98

Cross Section

-2.388 To 1244. %



Incident Energy (eV)

54

44-Ru-98

MAT 4431

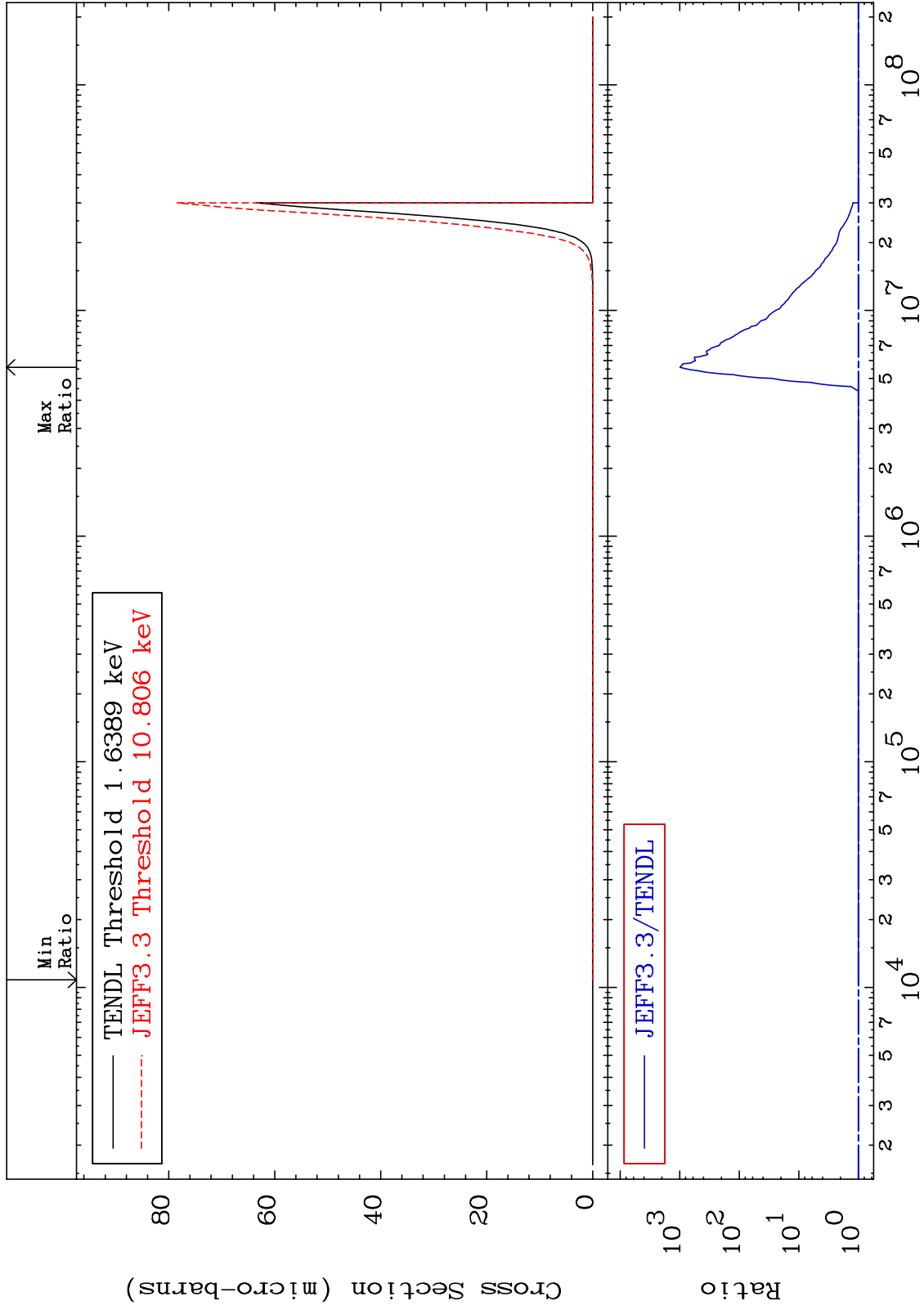
(n,2α)

44-Ru-98

Cross Section

Cross Section

0.000 To 9999. %



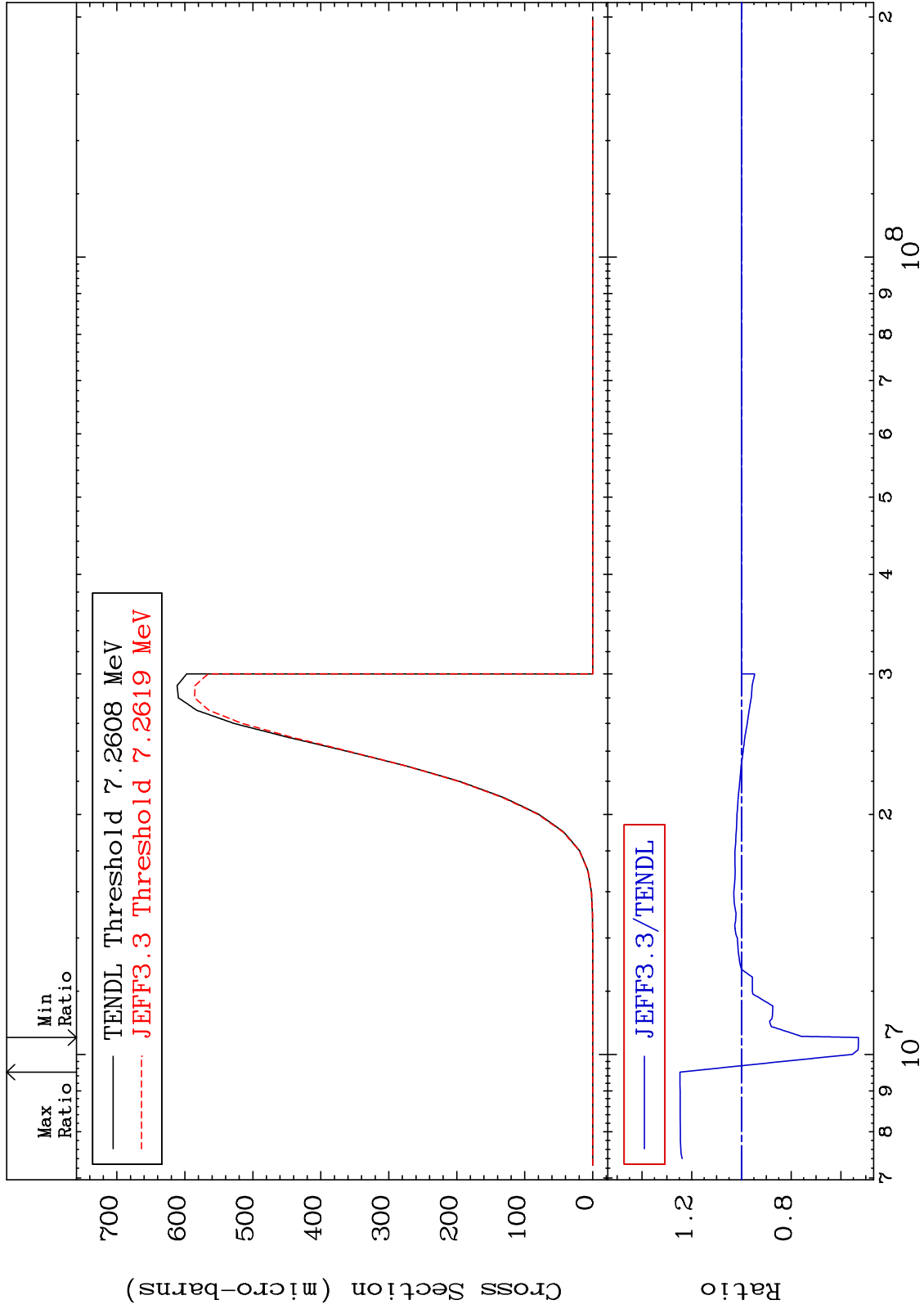
MAT 4431

(n,2p)

44-Ru-98

Cross Section

-47.02 To 24.73 %



56

Incident Energy (eV)

44-Ru-98

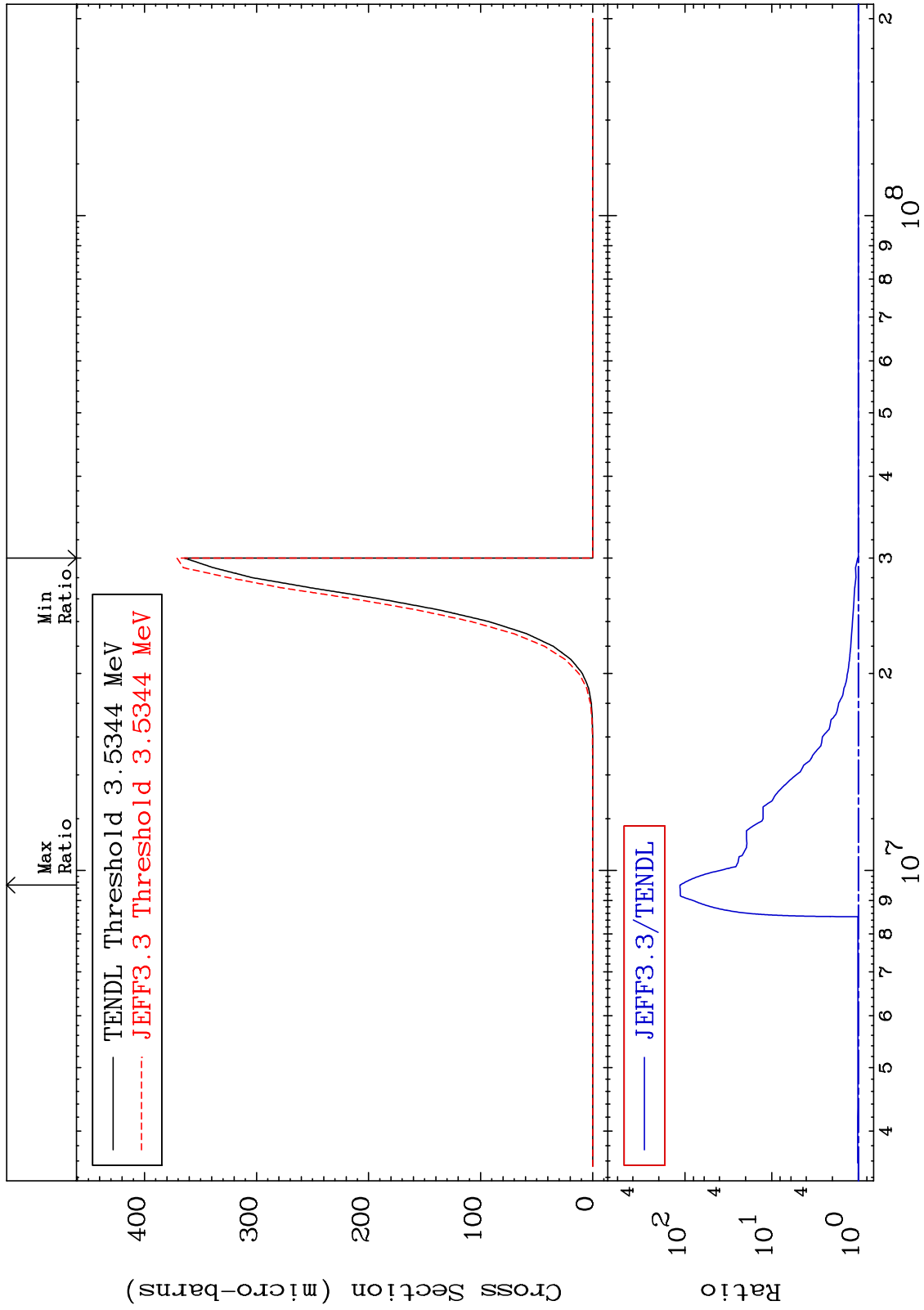
MAT 4431

(n,p) α

44-Ru-98

0.000 To 9999. %

Cross Section



57

44-Ru-98

44-Ru-98

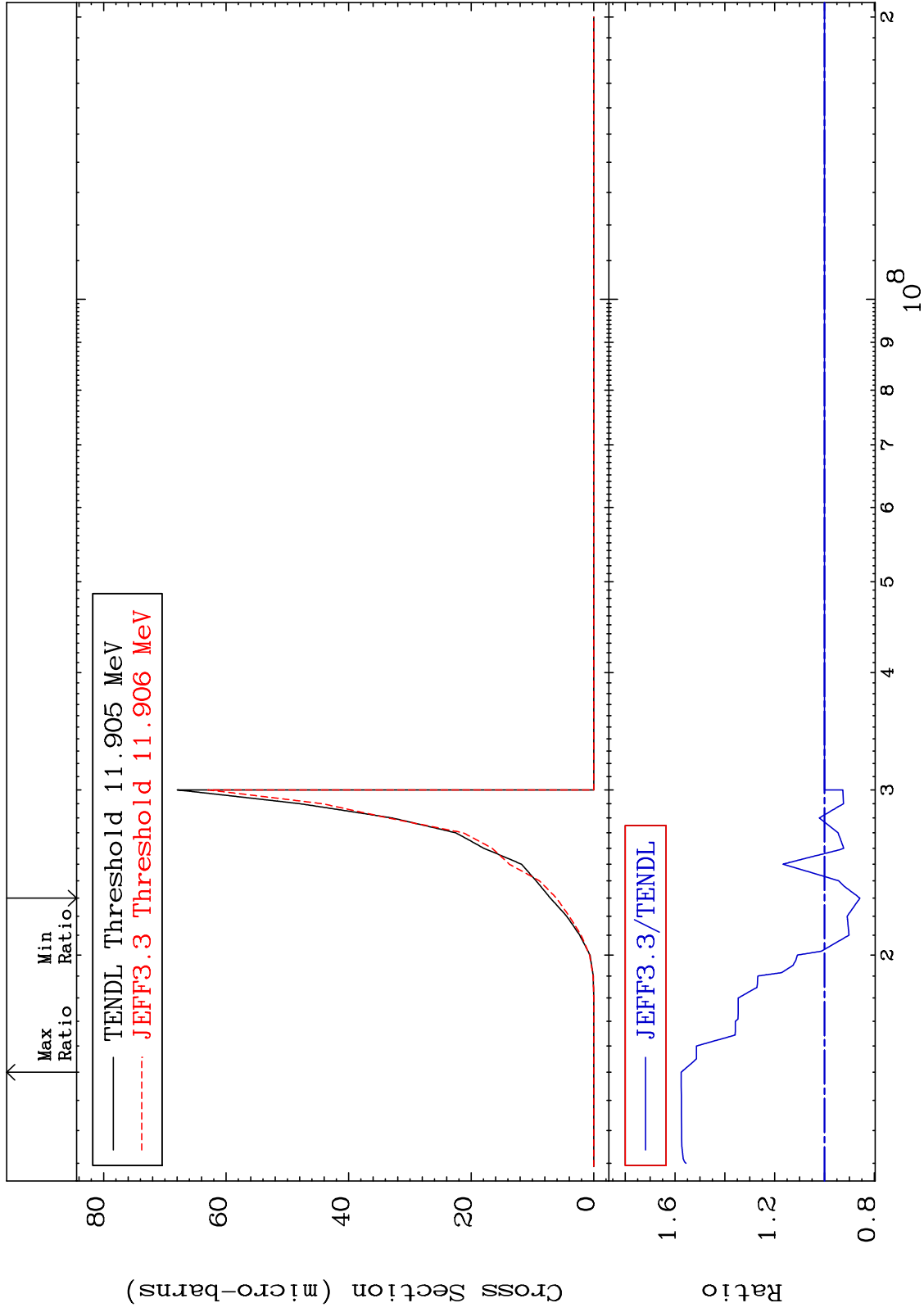
MAT 4431

(n,p) d

44-Ru-98

Cross Section

-14.20 To 57.53 %



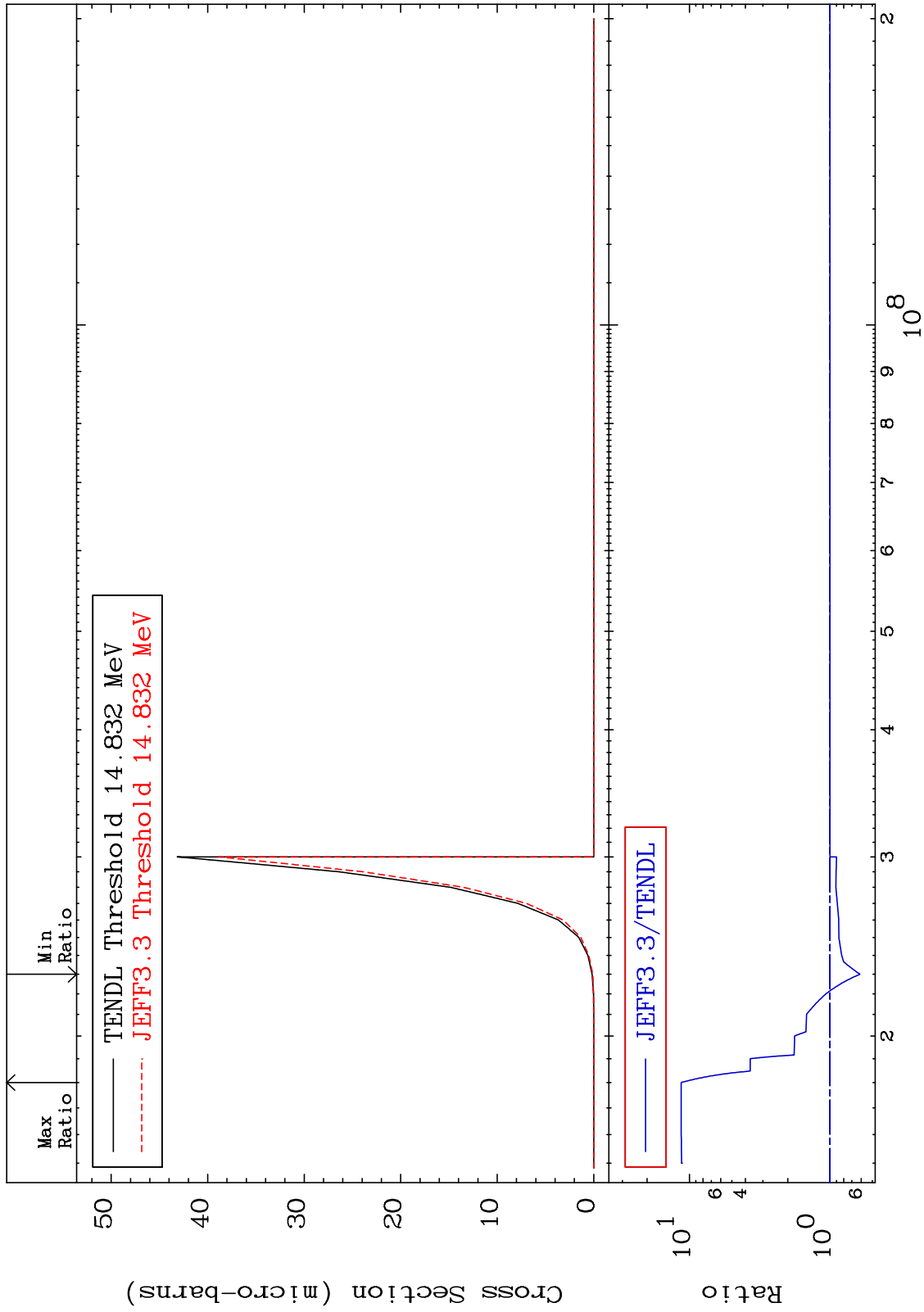
MAT 4431

(n,p) t

44-Ru-98

Cross Section

-38.73 To 1044. %



59

Incident Energy (eV)

44-Ru-98

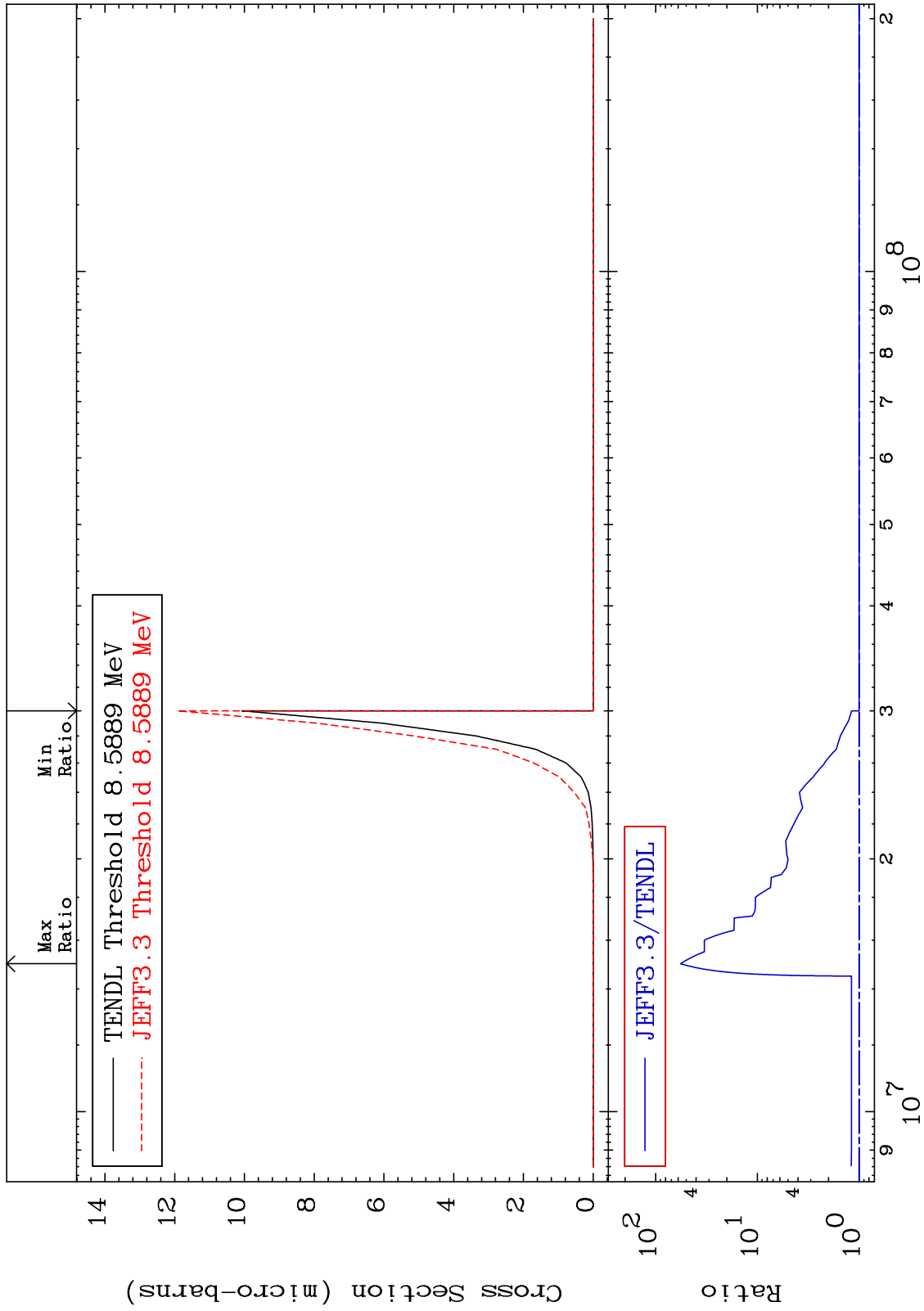
MAT 4431

(n,d) α

44-Ru-98

Cross Section

0.000 To 5583. %



60

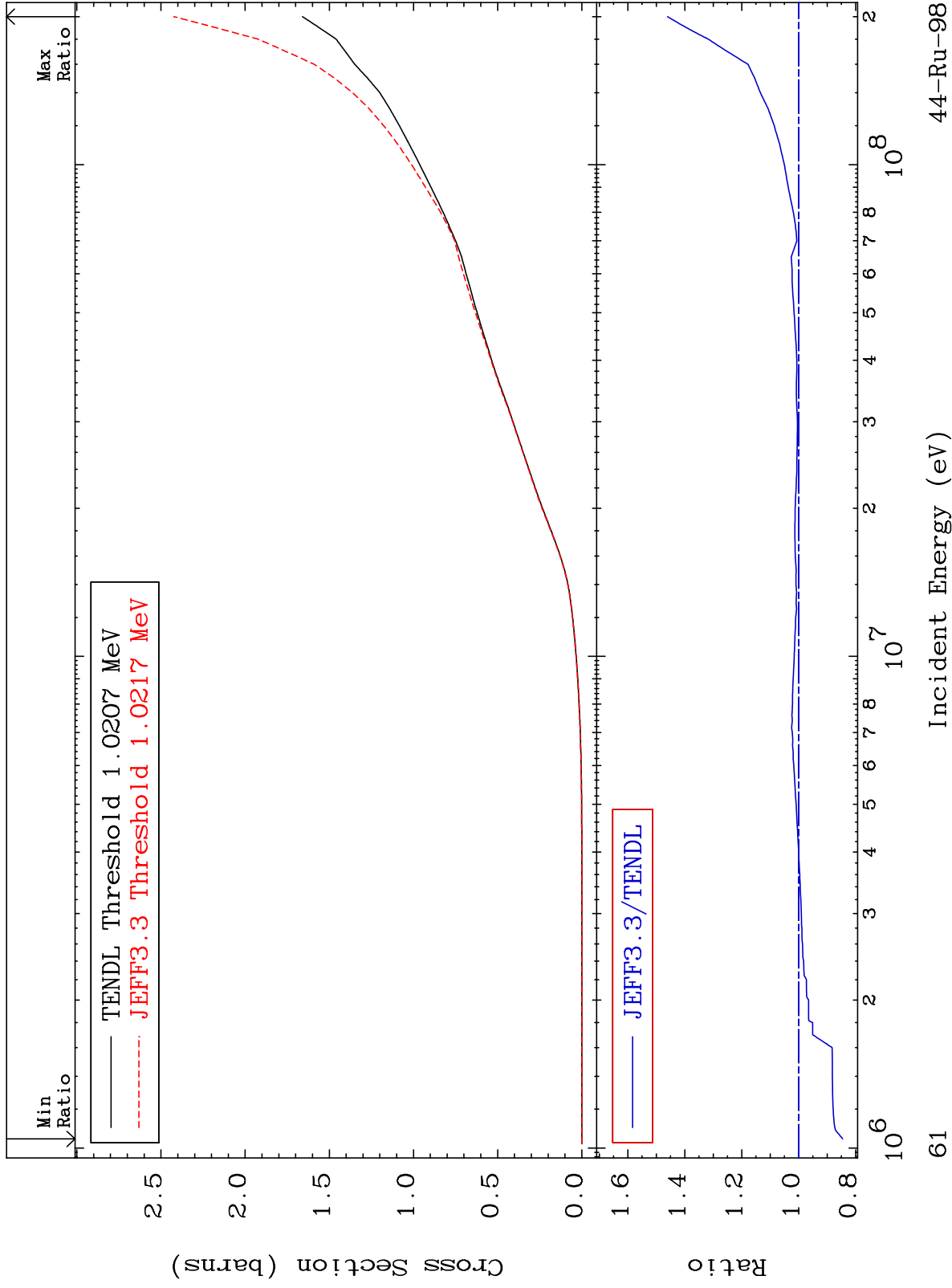
Incident Energy (eV)

44-Ru-98

MAT 4431

Hydrogen Production
Cross Section

44-Ru-98
-15.45 To 46.05 %

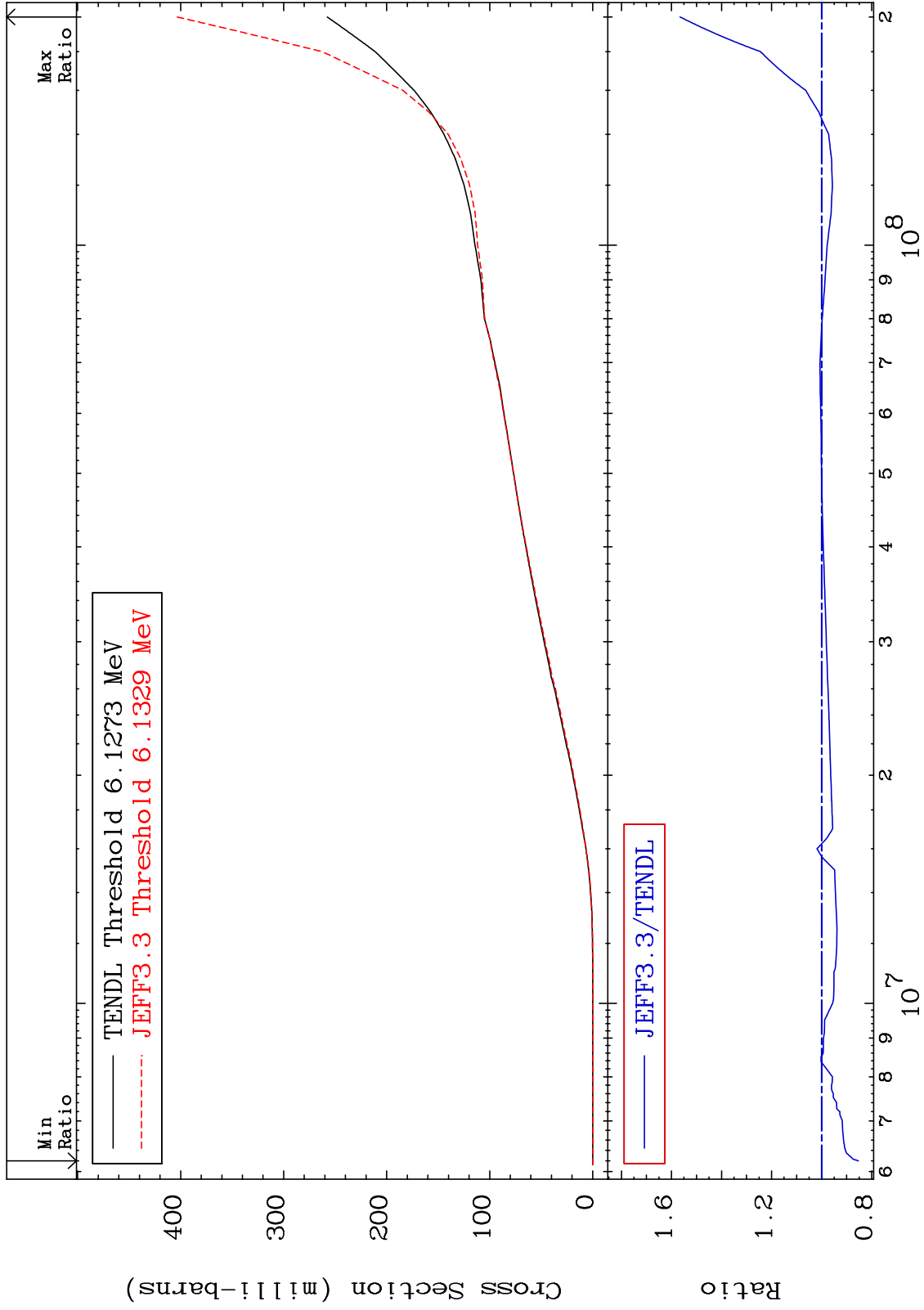


61

MAT 4431

Deuterium Production
Cross Section

44-Ru-98
-14.70 To 56.58 %



62

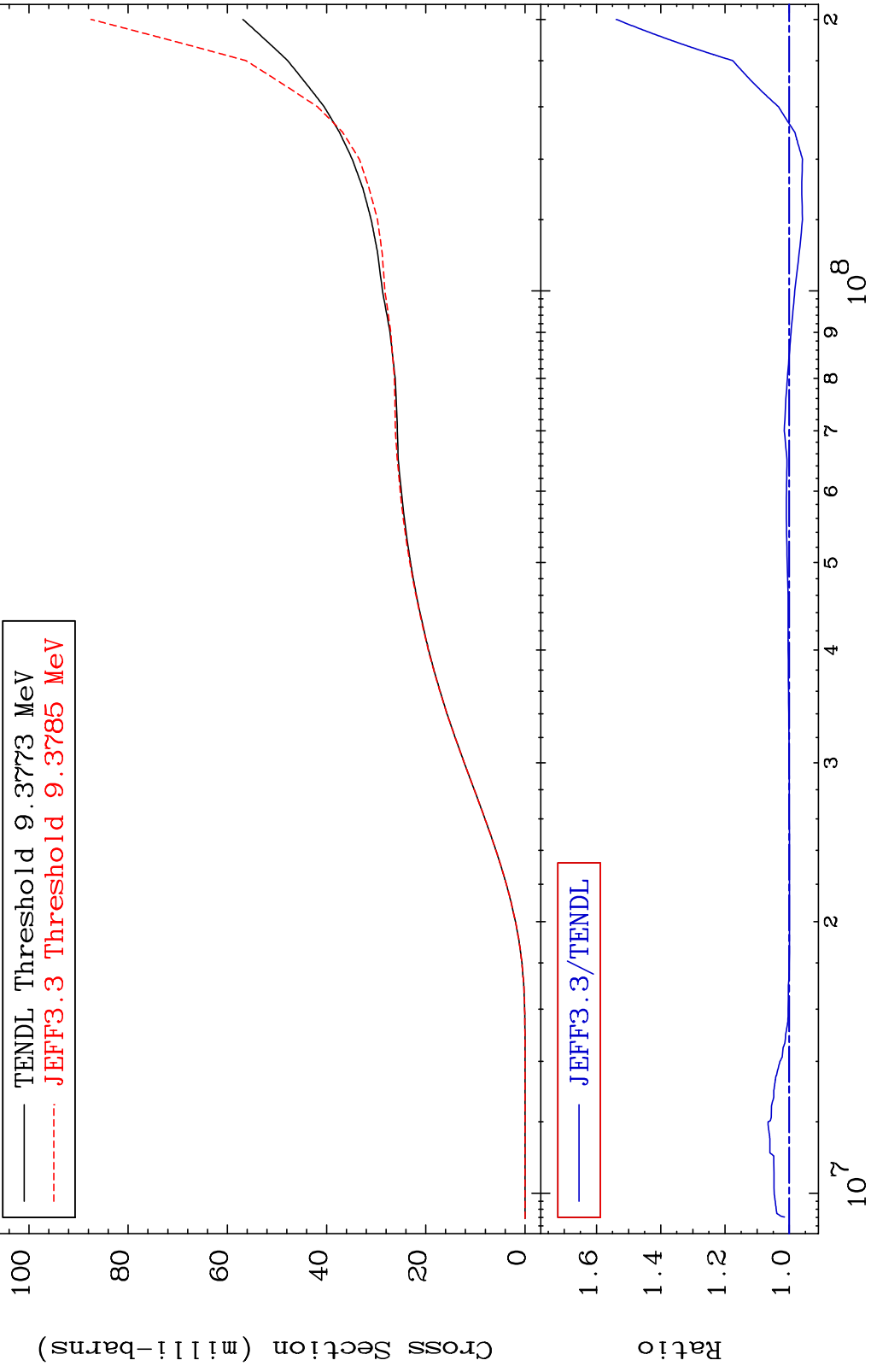
Incident Energy (eV)

44-Ru-98

MAT 4431

Tritium Production
Cross Section

44-Ru-98
-4.111 To 53.85 %



63

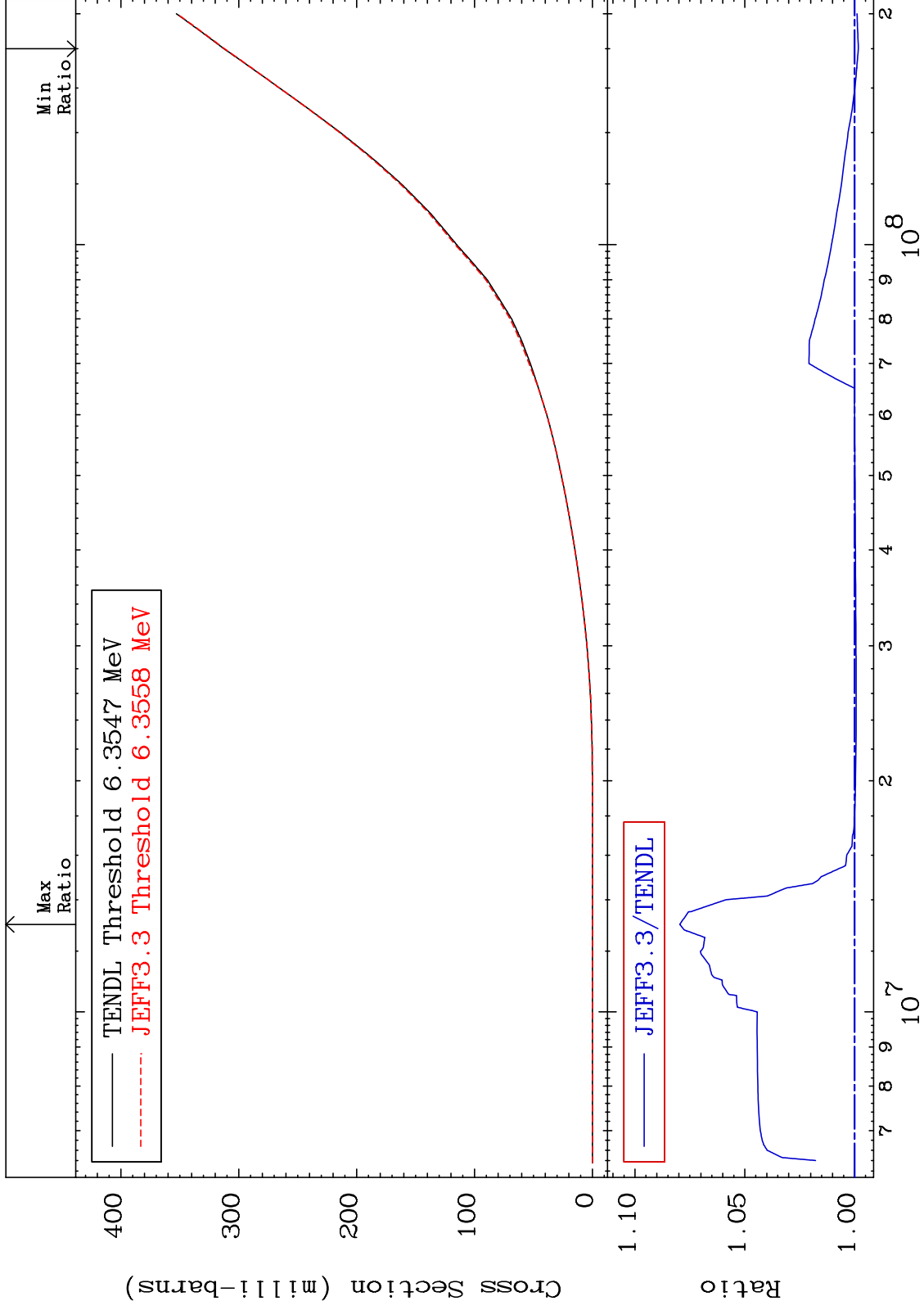
Incident Energy (eV)

44-Ru-98

MAT 4431

He-3 Production
Cross Section

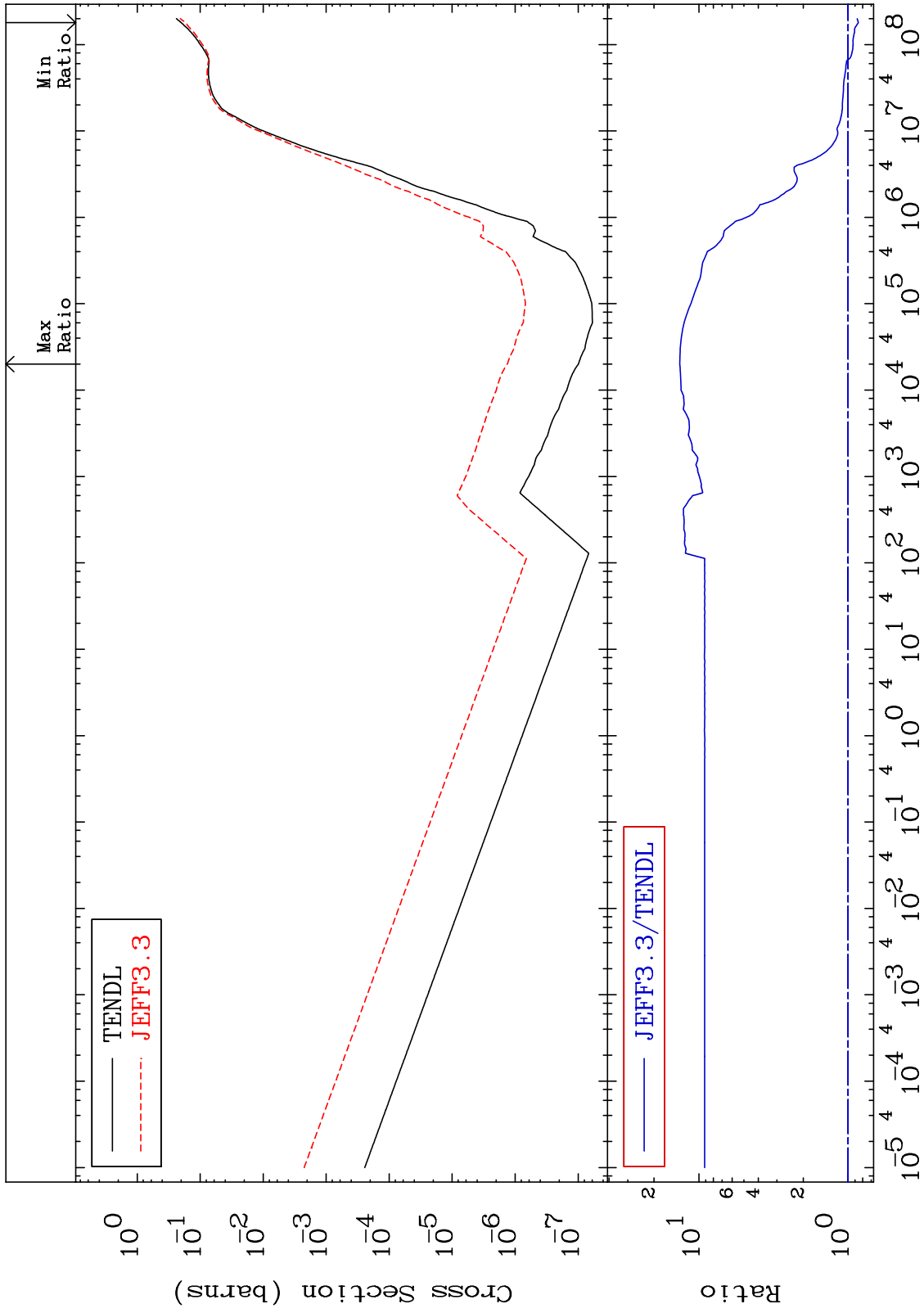
44-Ru-98
-0.172 To 7.958 %



MAT 4431

He-4 Production
Cross Section

44-Ru-98
-14.58 To 1244. %



65

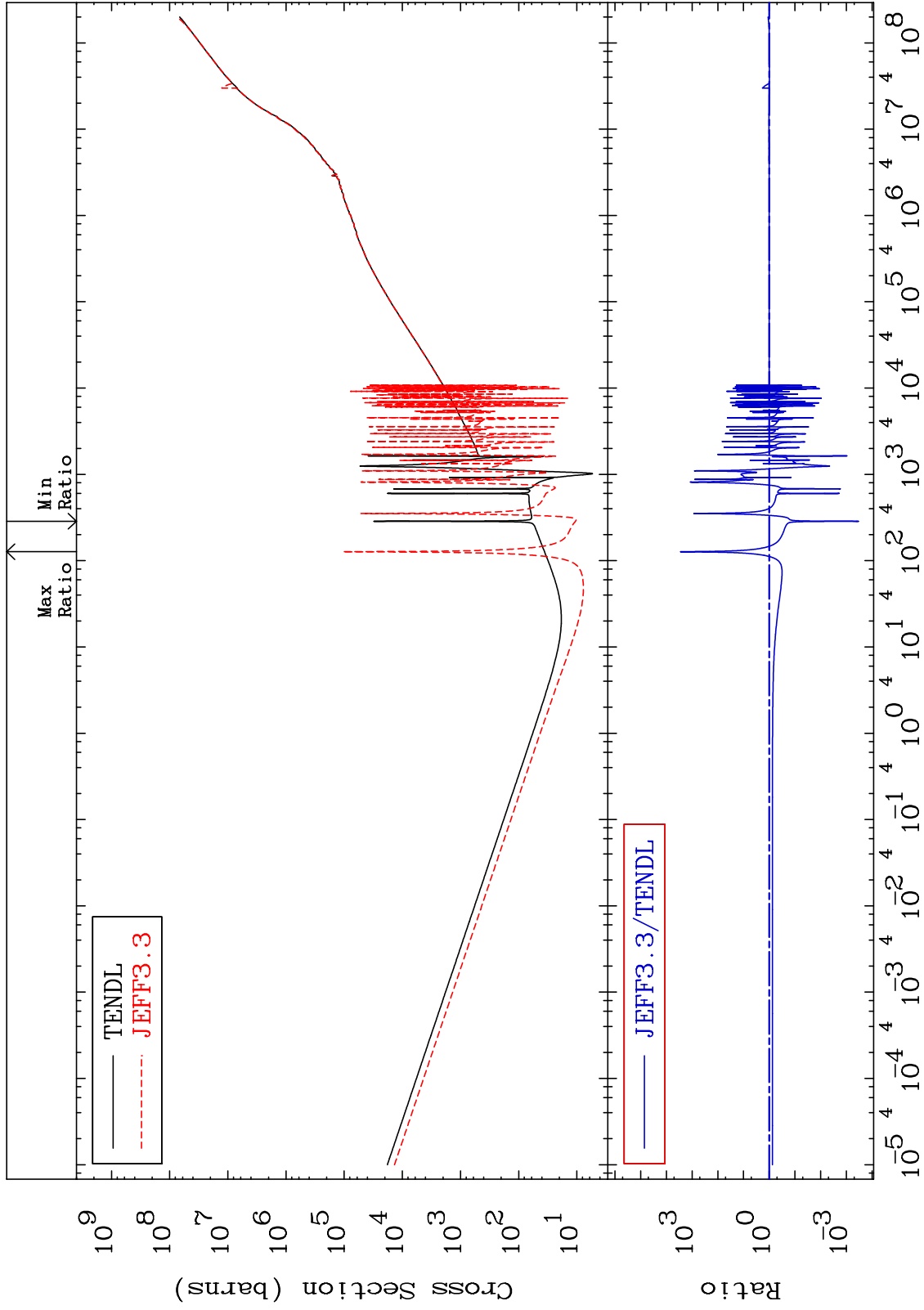
Incident Energy (eV)

44-Ru-98

MAT 4431

Kerma total (eV-barns)
Cross Section

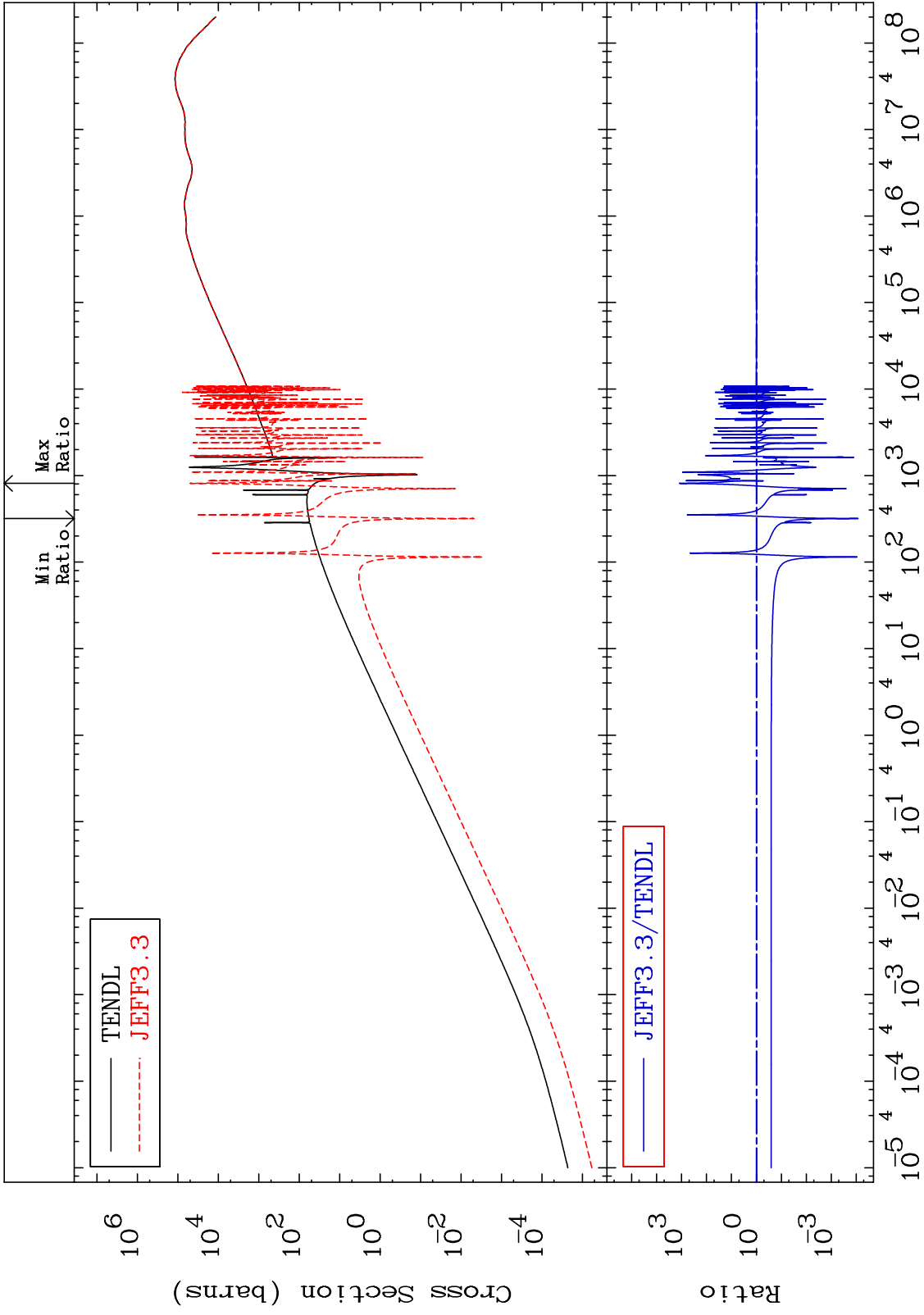
44-Ru-98
-99.97 To 9999. %



MAT 4431

Kerma elastic
Cross Section

44-Ru-98
-99.99 To 9999. %



67

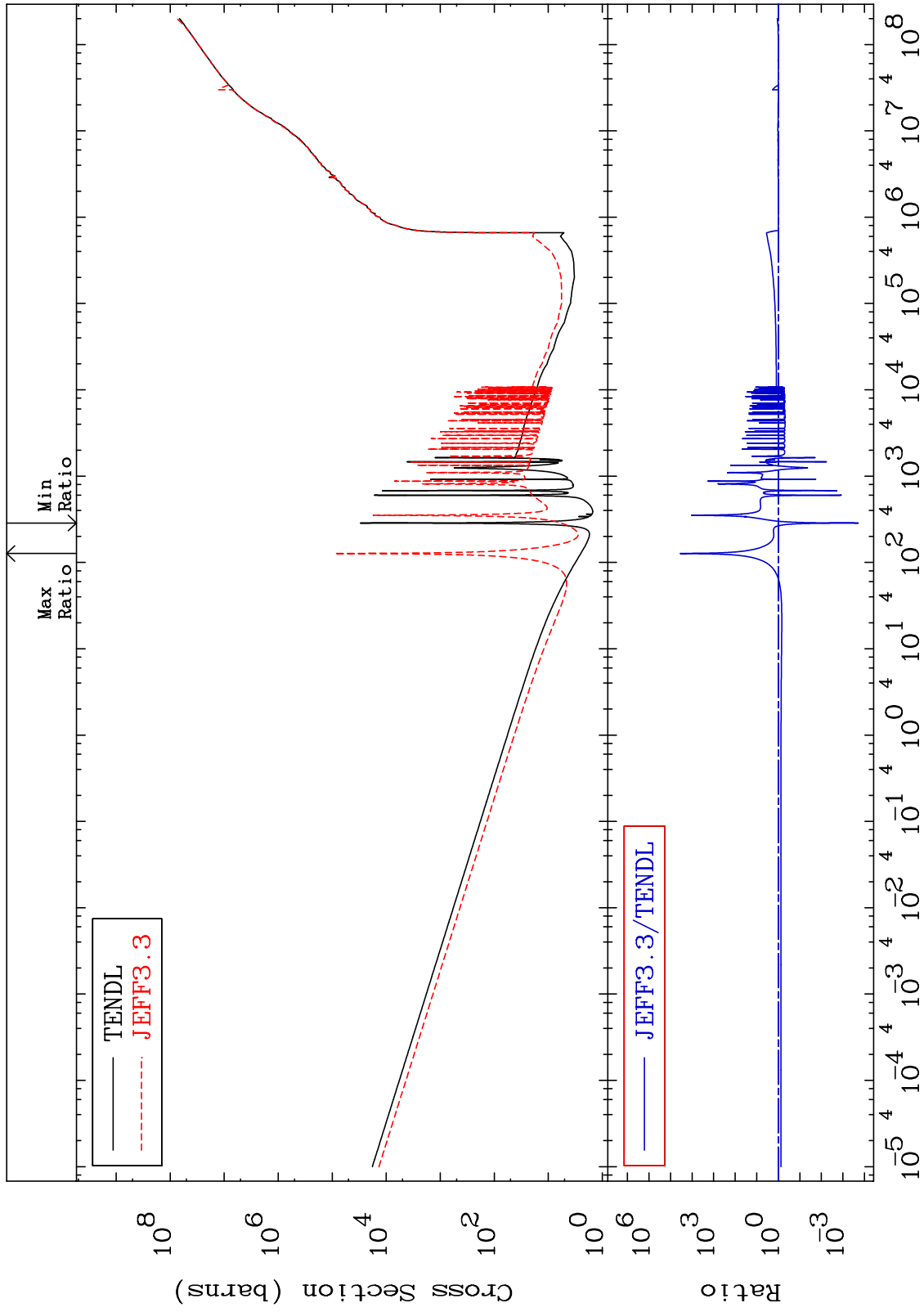
Incident Energy (eV)

44-Ru-98

MAT 4431

Kerma non-elastic (all but mt2)
Cross Section

44-Ru-98
-99.98 To 9999. %



68

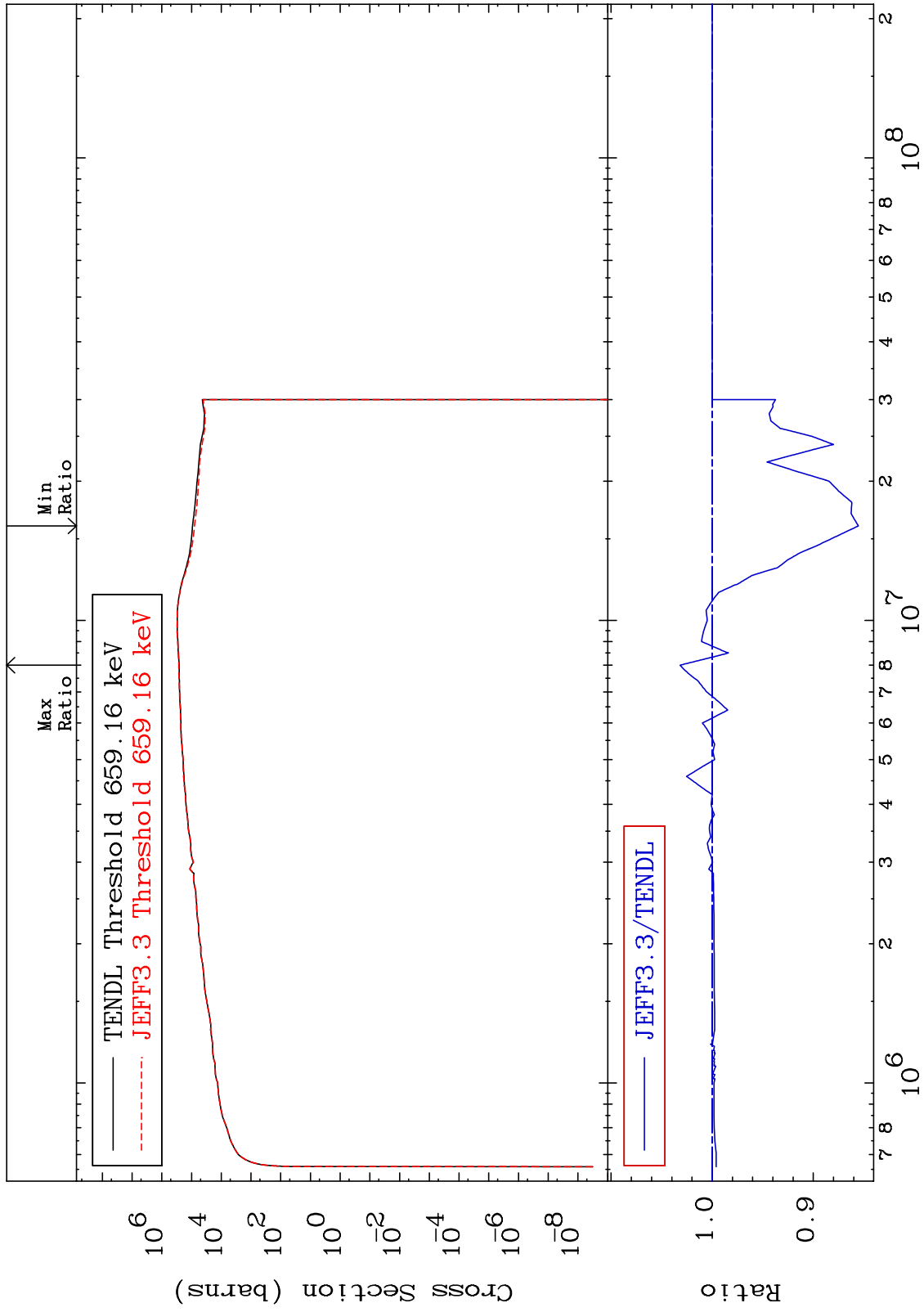
Incident Energy (eV)

44-Ru-98

MAT 4431

Kerma inelastic (mt51-91)
Cross Section

44-Ru-98
-14.46 To 3.185 %



69

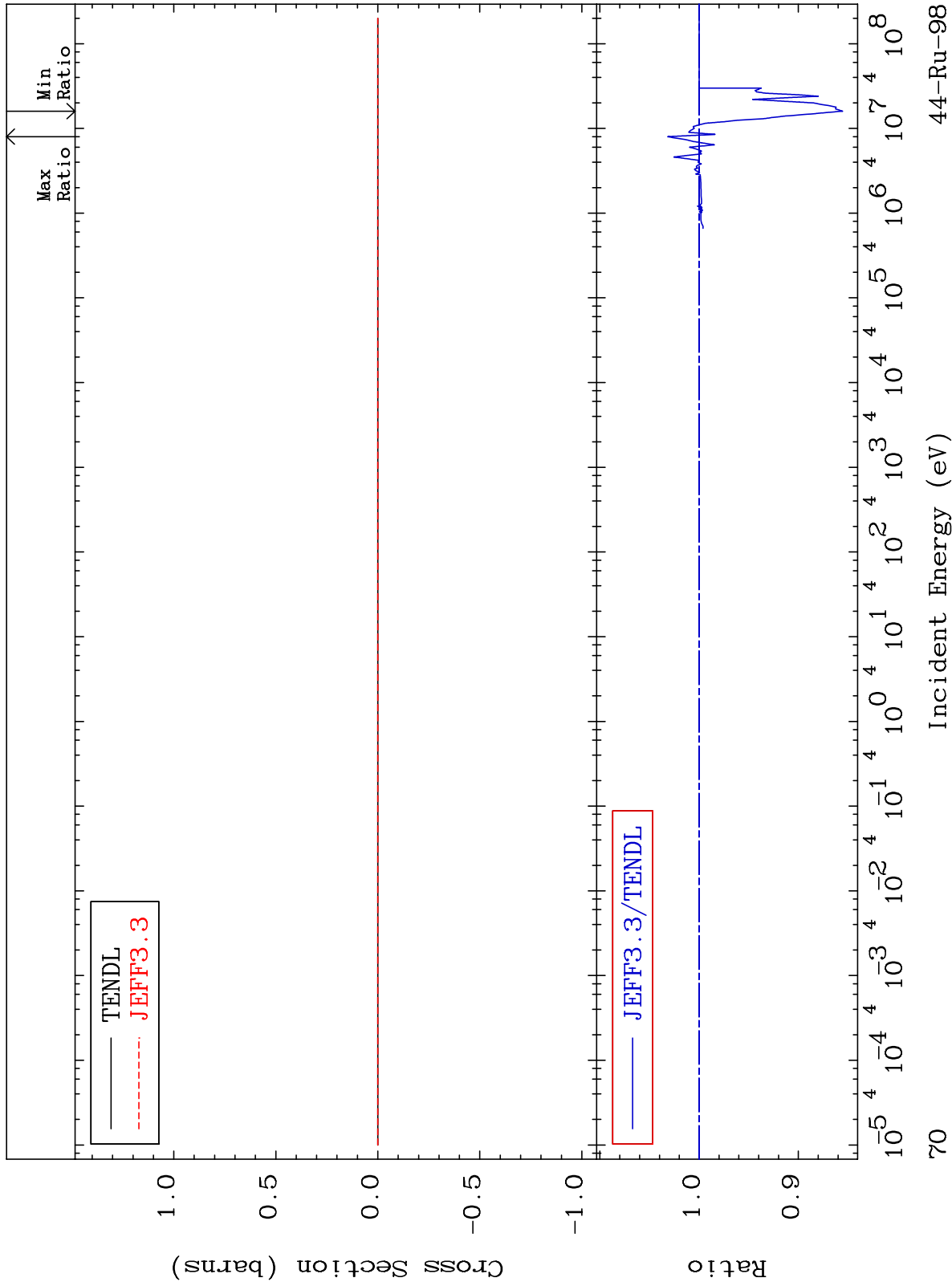
Incident Energy (eV)

44-Ru-98

MAT 4431

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

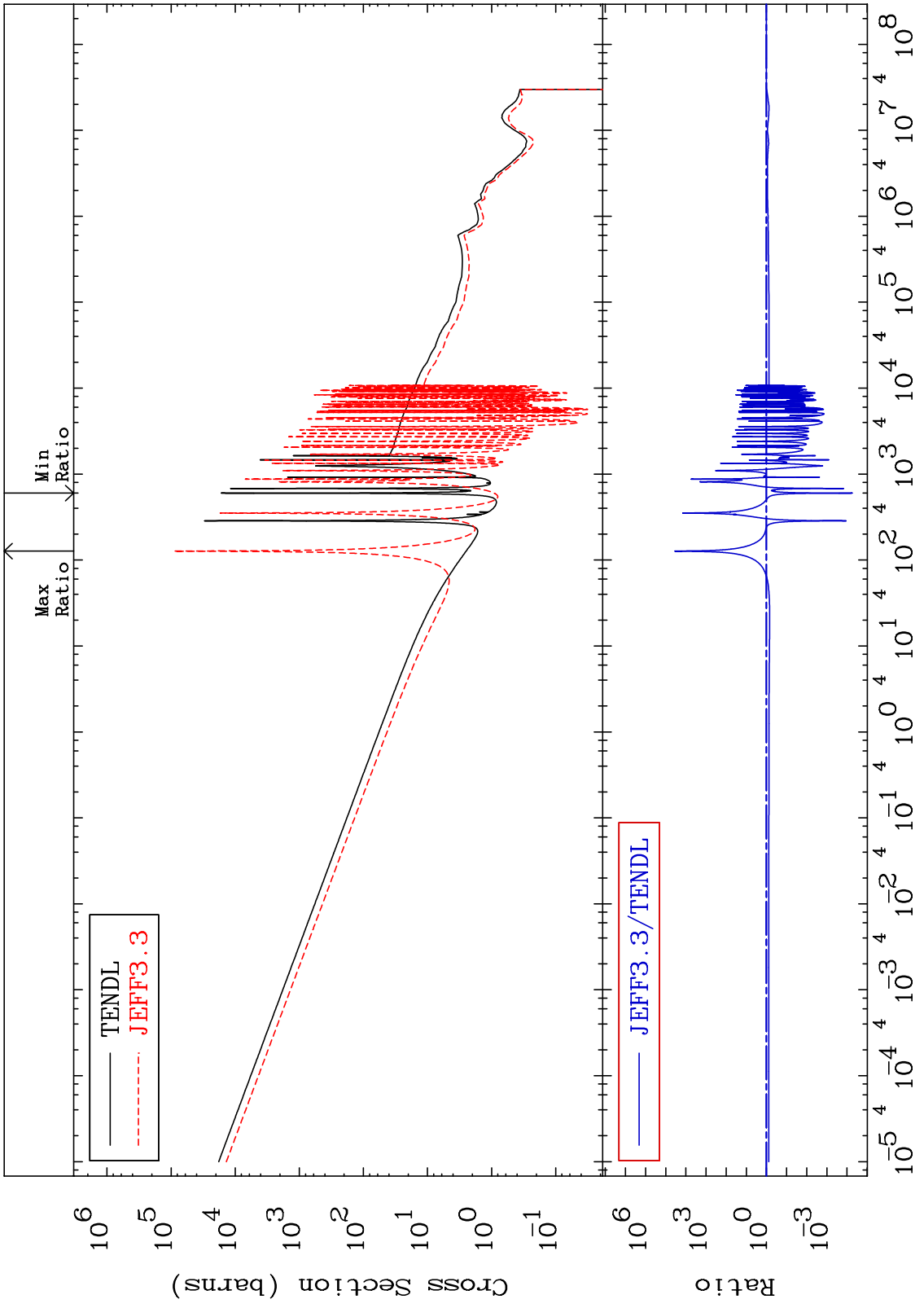
44-Ru-98
-14.46 To 3.185 %



MAT 4431

Kerma capture (mt102)
Cross Section

44-Ru-98
-99.99 To 9999. %



71

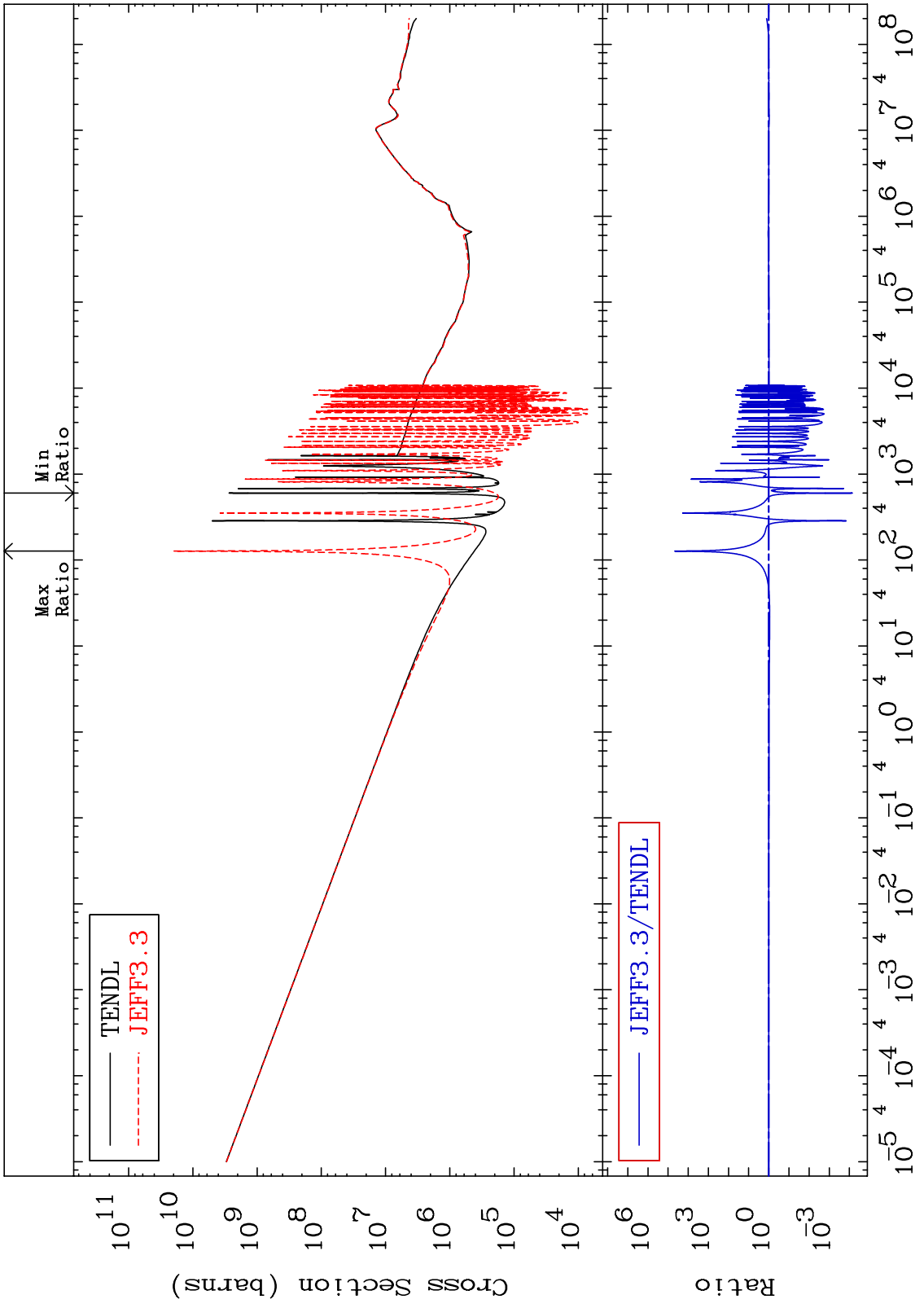
Incident Energy (eV)

44-Ru-98

MAT 4431

Total photon (eV-barns)
Cross Section

44-Ru-98
-99.99 To 9999. %



72

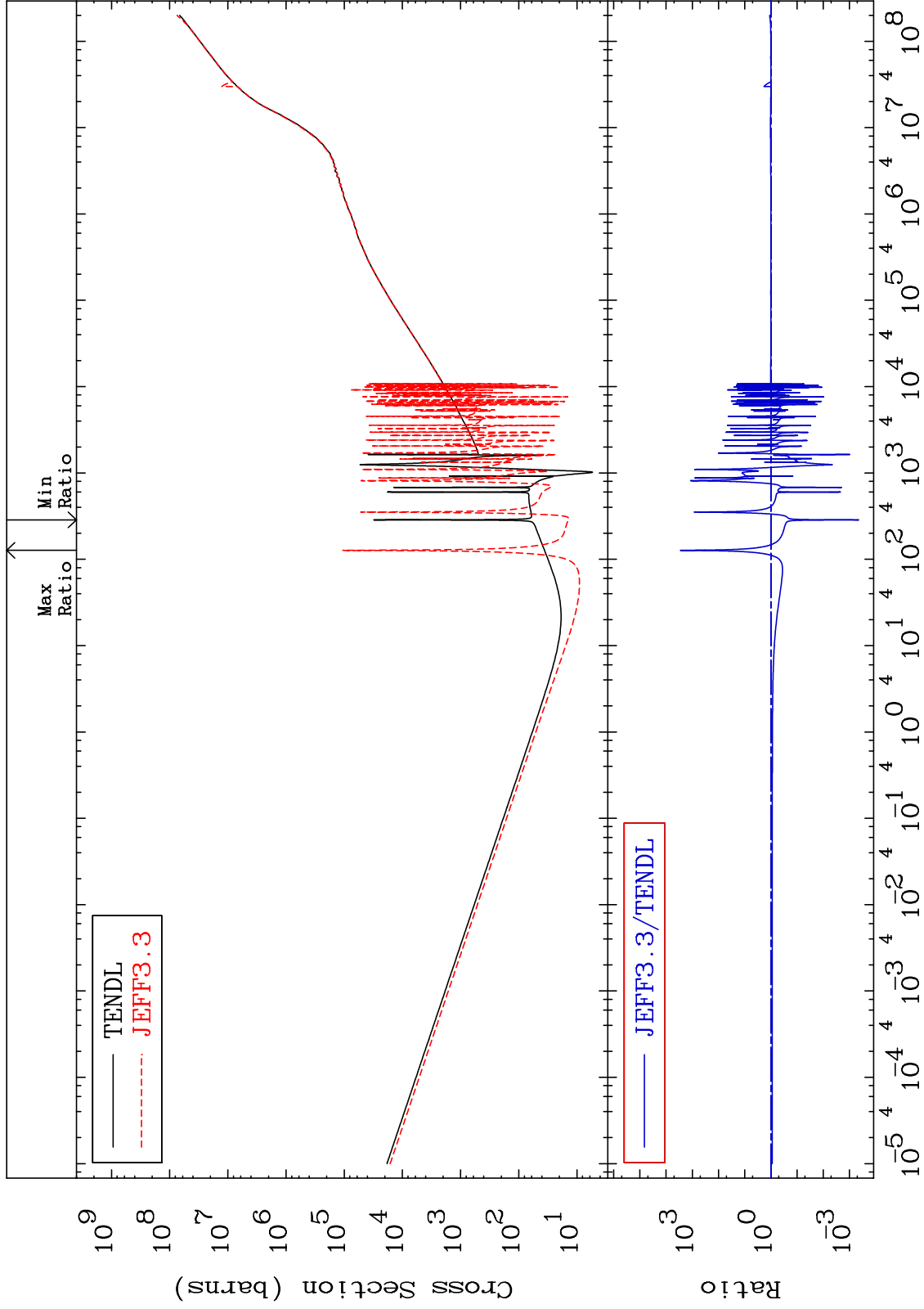
Incident Energy (eV)

44-Ru-98

MAT 4431

Total kinematic kerma (high limit)
Cross Section

44-Ru-98
-99.95 To 9999. %



73

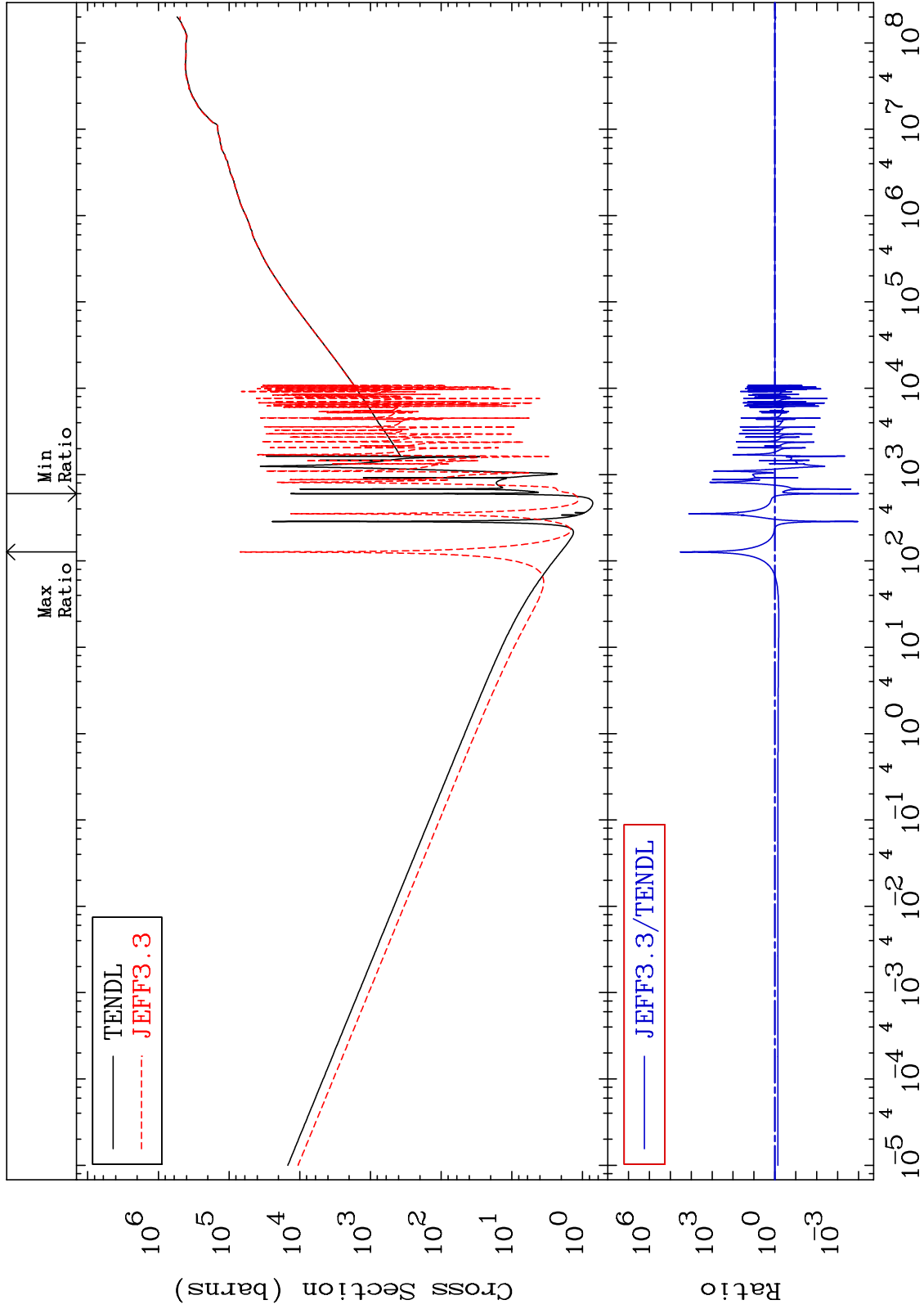
Incident Energy (eV)

44-Ru-98

MAT 4431

Dpa total (eV-barns)
Cross Section

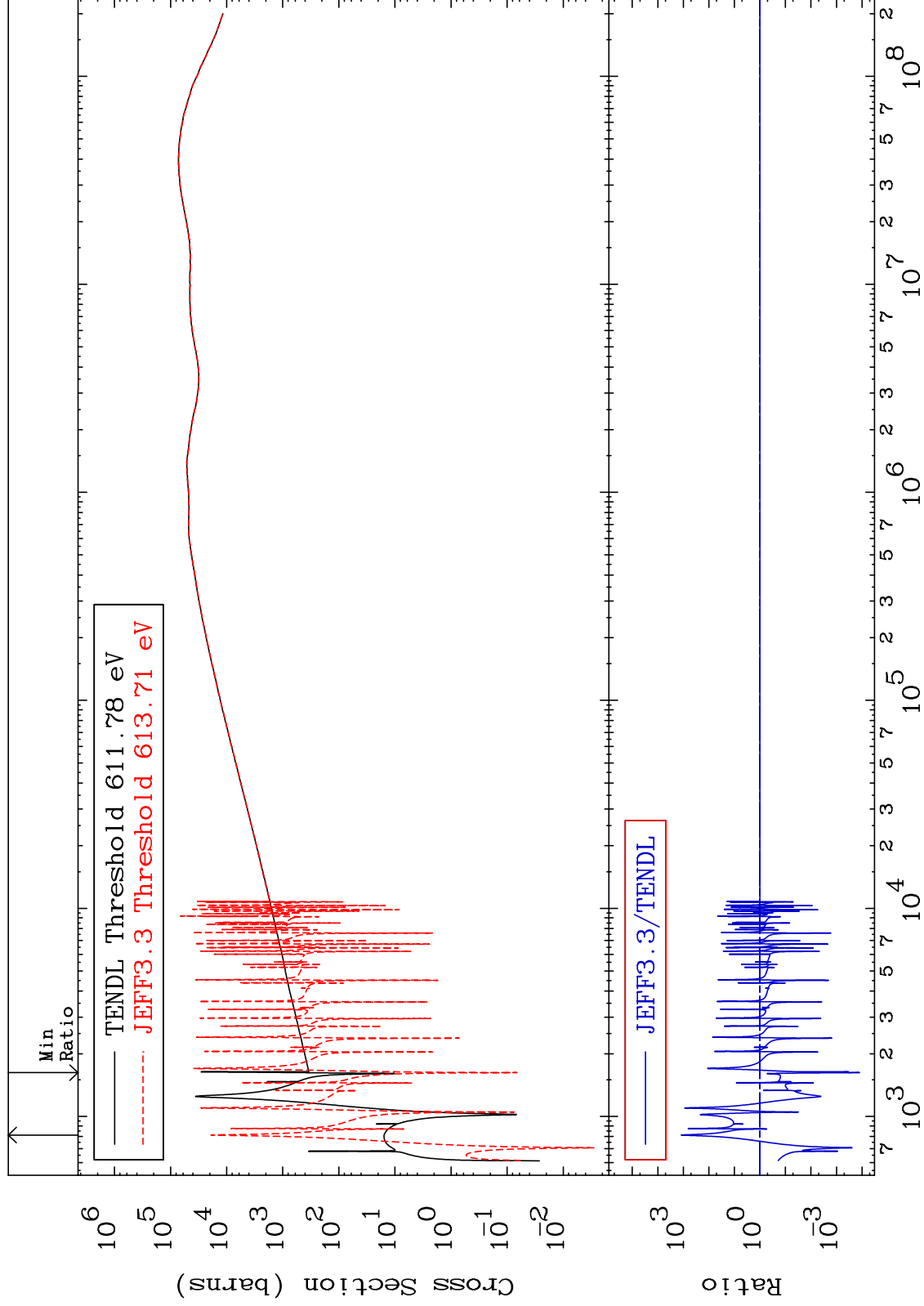
44-Ru-98
-99.99 To 9999. %



MAT 4431

Dpa elastic (mt2)
Cross Section

44-Ru-98
-99.99 To 9999. %



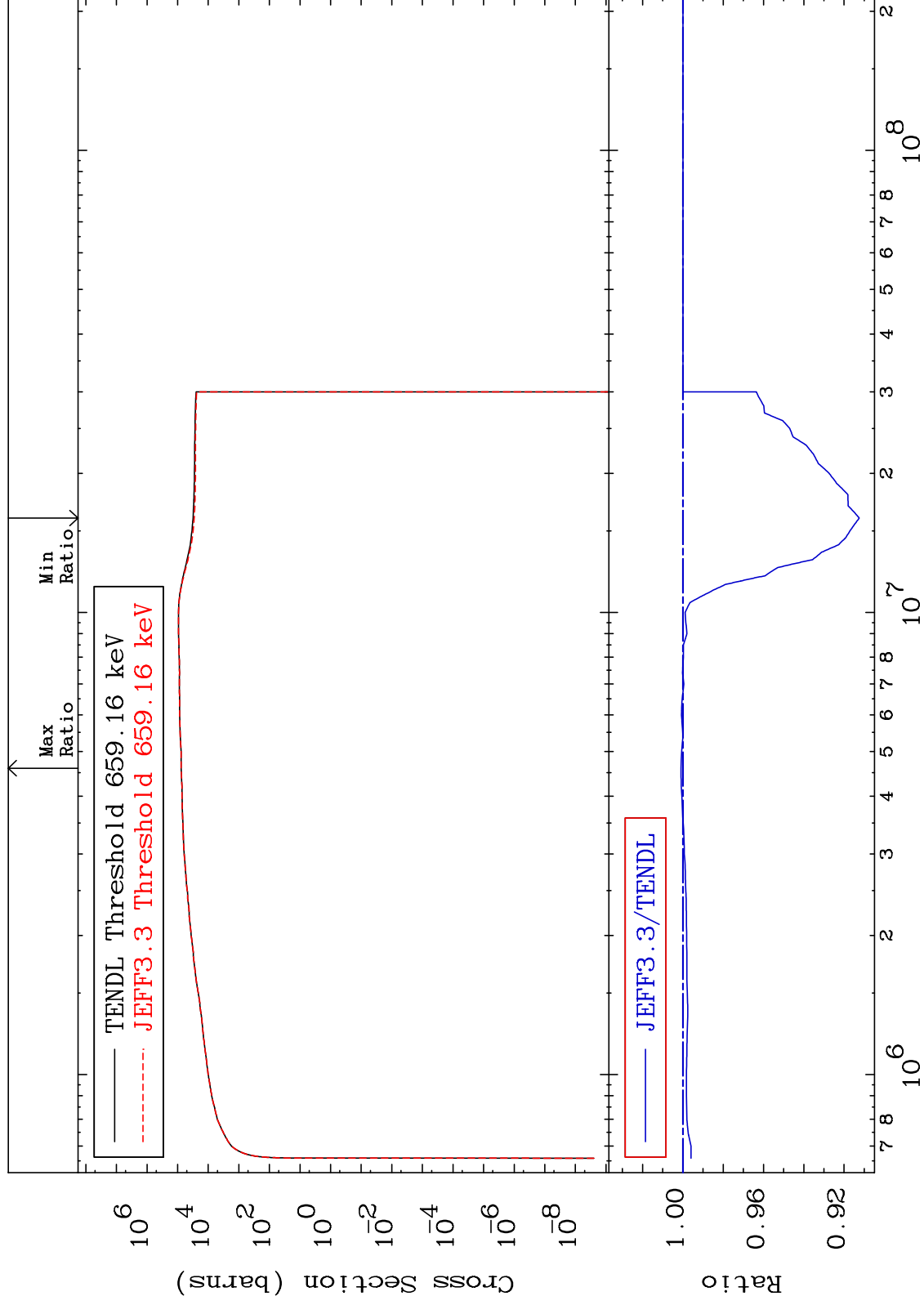
75

44-Ru-98

MAT 4431

Dpa inelastic (mt51-91)
Cross Section

44-Ru-98
-8.754 To 0.091 %



76

Incident Energy (eV)

44-Ru-98

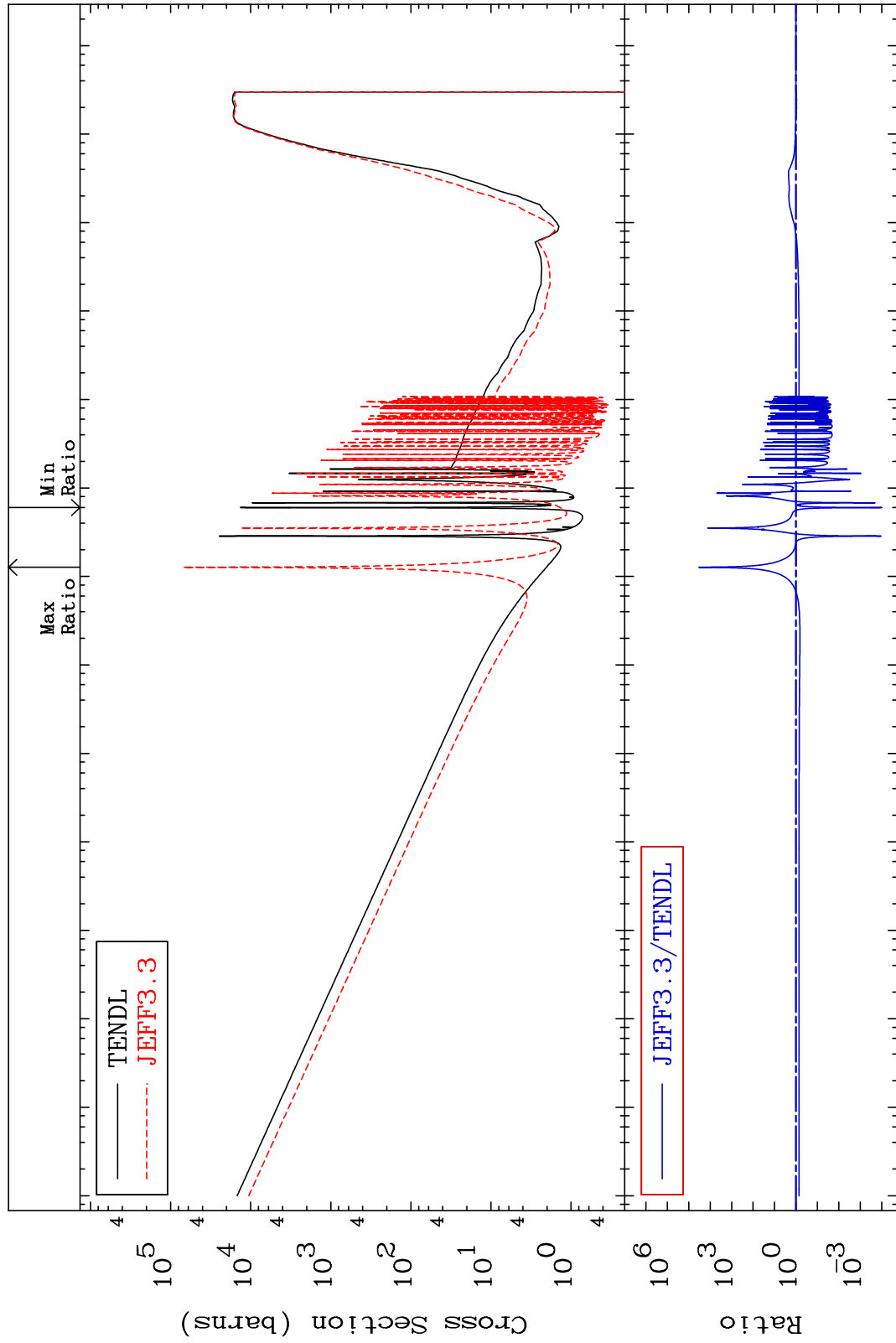
MAT 4431

Dpa disappearance (mt102 -120)

44-Ru-98

-99.99 To 9999. %

Cross Section



77

Incident Energy (eV)

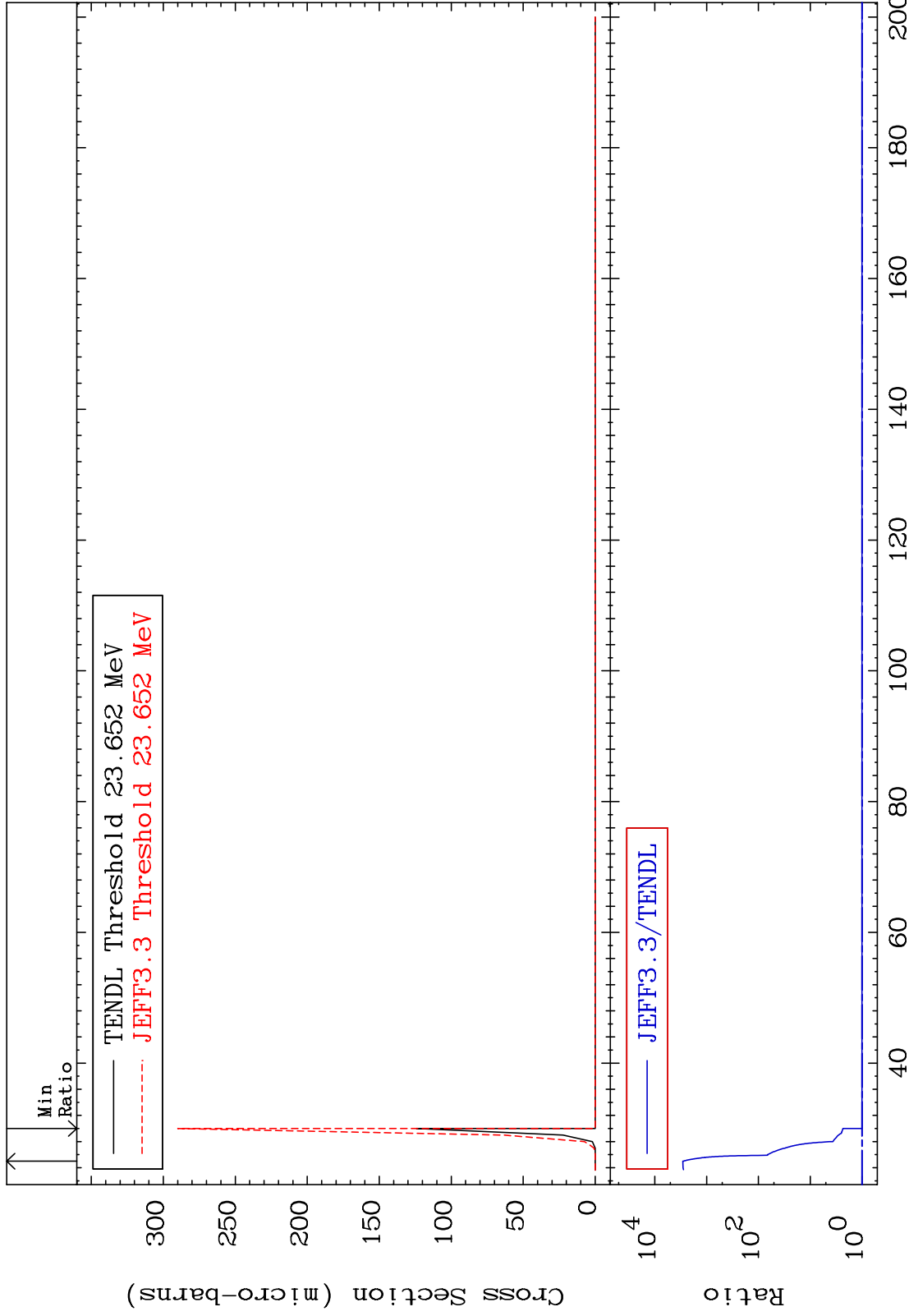
44-Ru-98

MAT 4431

(n,2n) d: 43-Tc-95g

44-Ru-98

Radionuclide Production Cross Section 0.000 To 9999. %



78

Incident Energy (MeV)

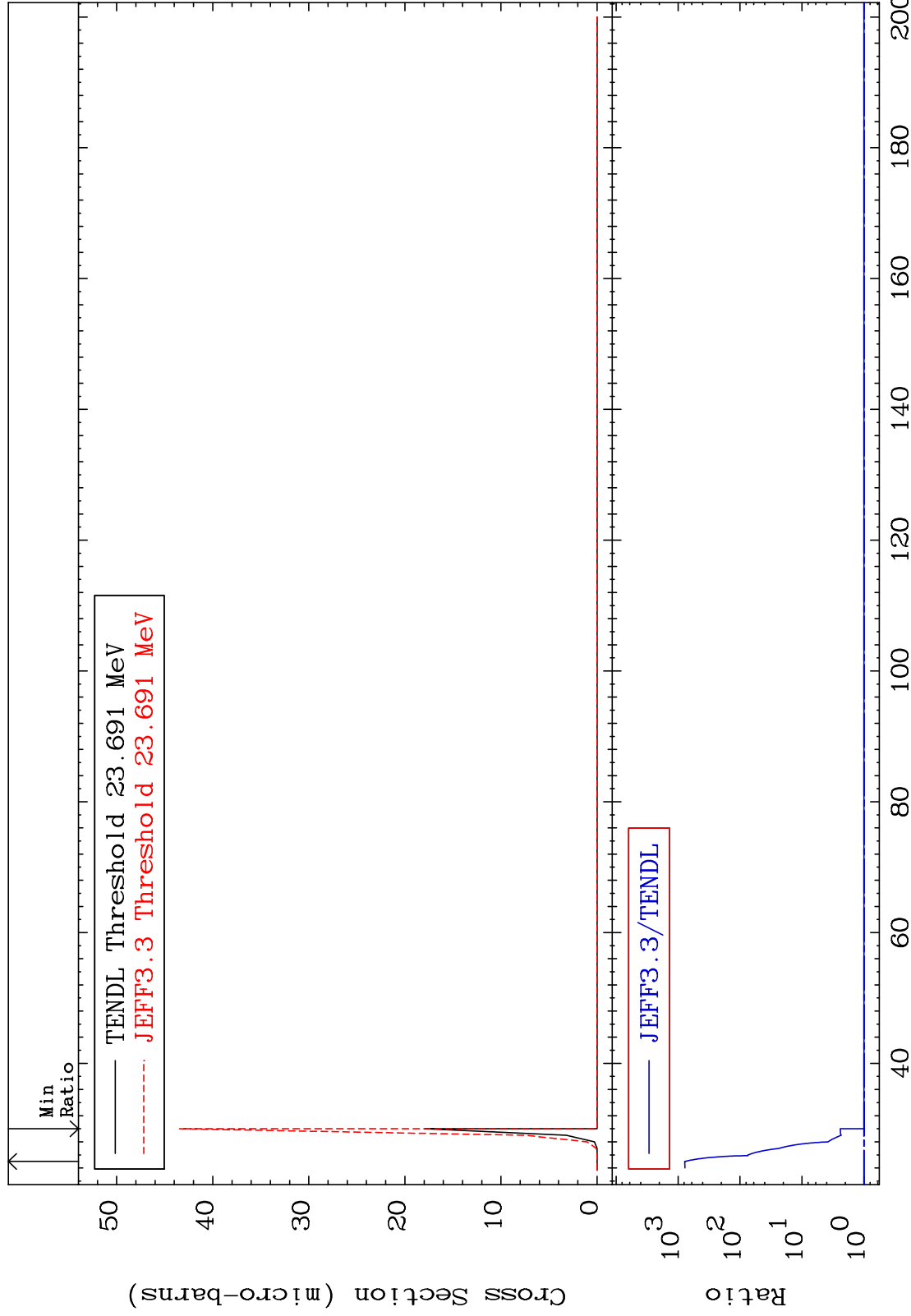
44-Ru-98

MAT 4431

(n,2n) d:43-Tc-95m1

44-Ru-98

Radionuclide Production Cross Section 0.000 To 9999. %



79

Incident Energy (MeV)

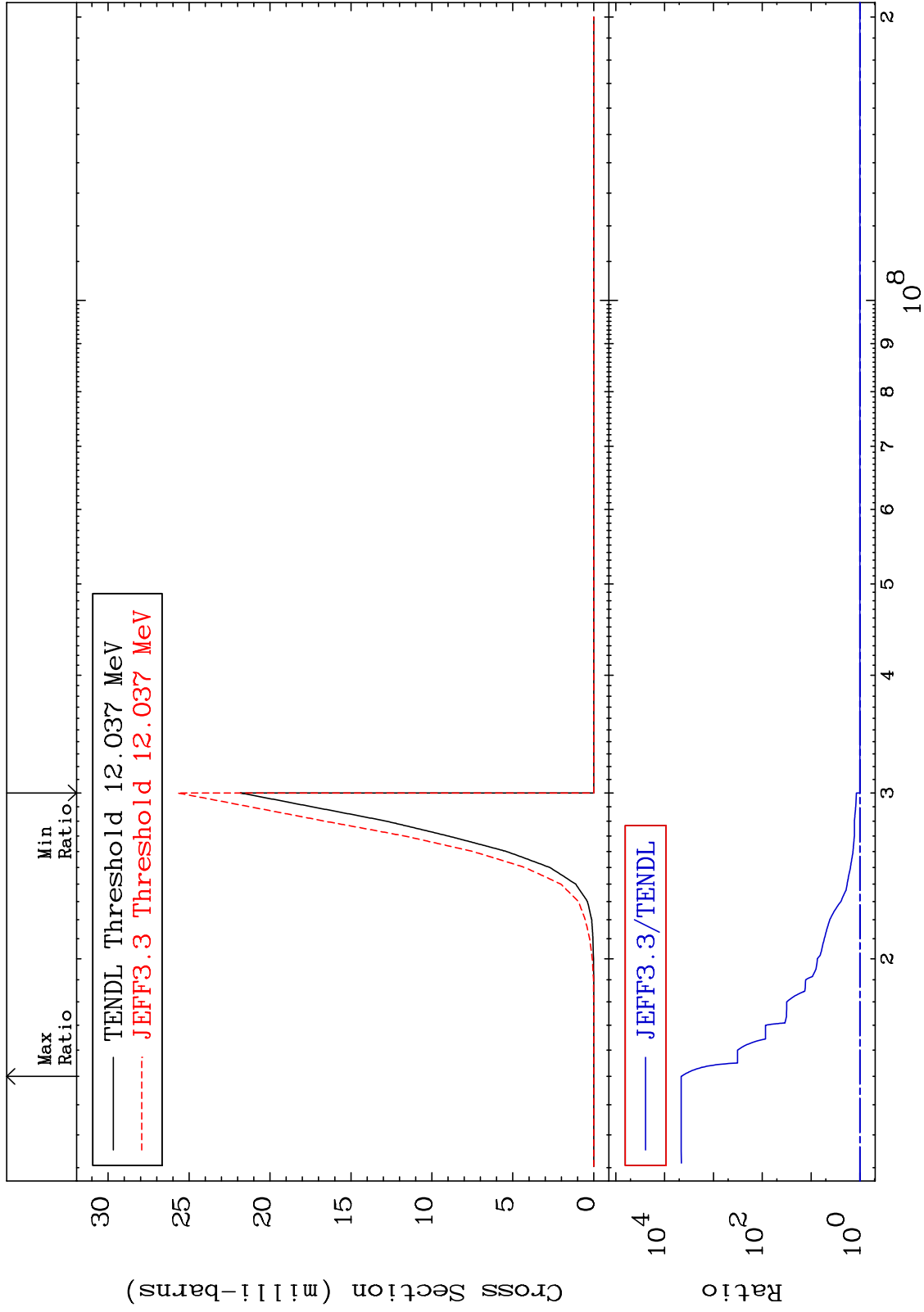
44-Ru-98

MAT 4431

(n,2n) α : 42-Mo-93g

44-Ru-98

Radionuclide Production Cross Section 0.000 To 9999. %

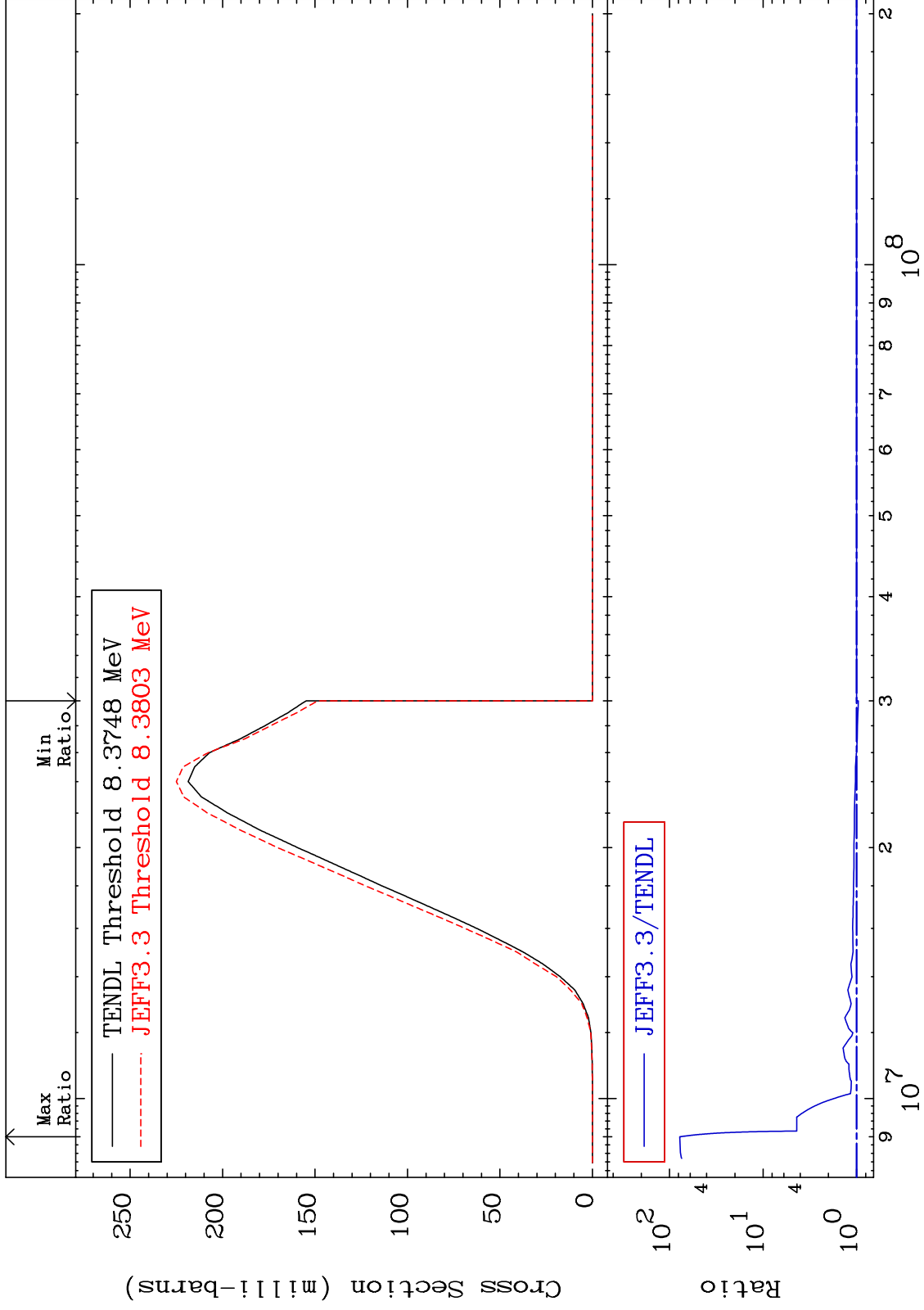


MAT 4431

(n, n') p: 43-Tc-97g

44-Ru-98

Radionuclide Production Cross Section -4.094 To 7647. %



81

Incident Energy (eV)

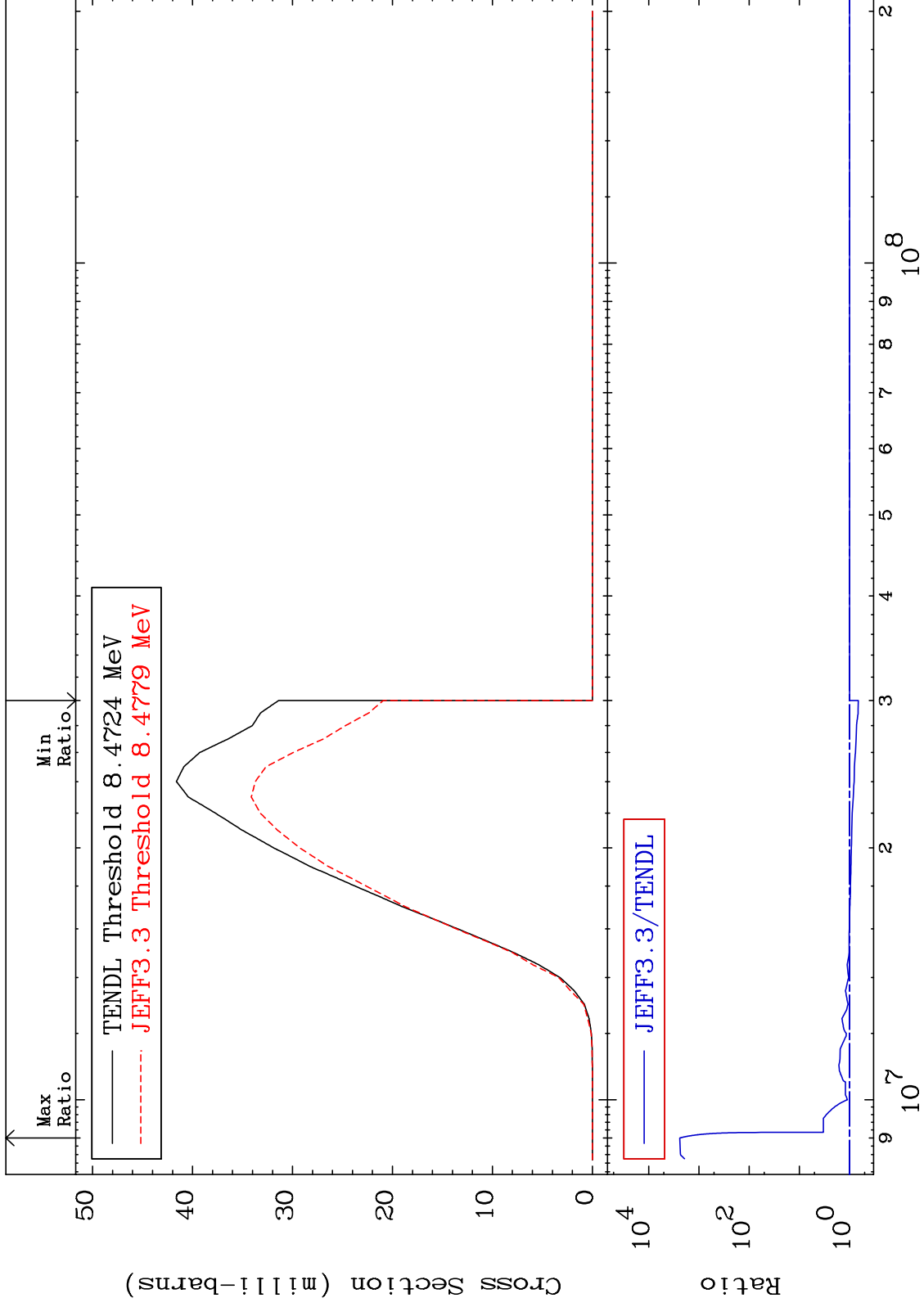
44-Ru-98

MAT 4431

(n, n') p:43-Tc-97m1

44-Ru-98

Radionuclide Production Cross Section -33.36 To 9999. %



82

44-Ru-98

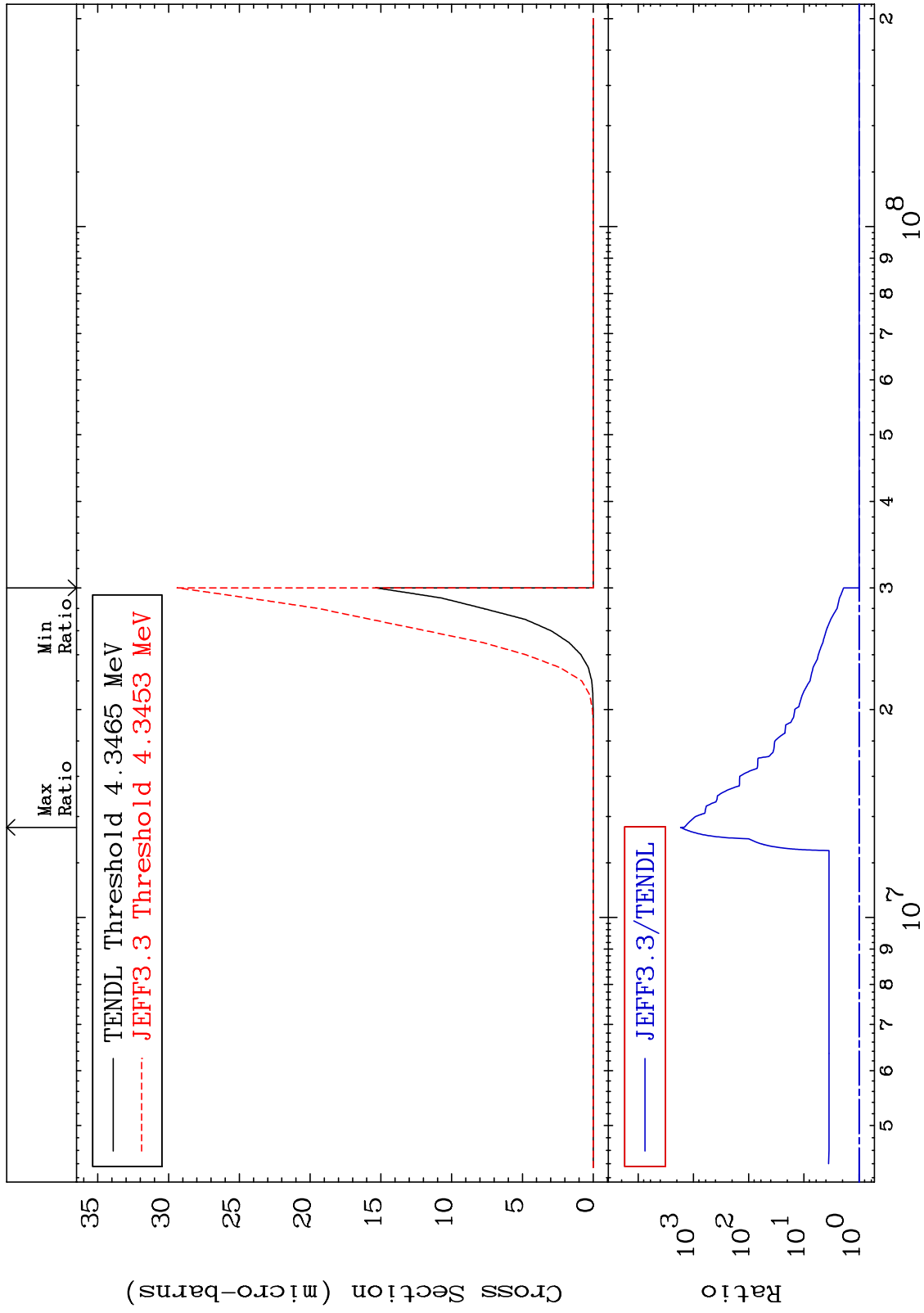
44-Ru-98

MAT 4431

(n, n') 2α: 40-Zr-90g

44-Ru-98

Radionuclide Production Cross Section 0.000 To 9999. %



83

Incident Energy (eV)

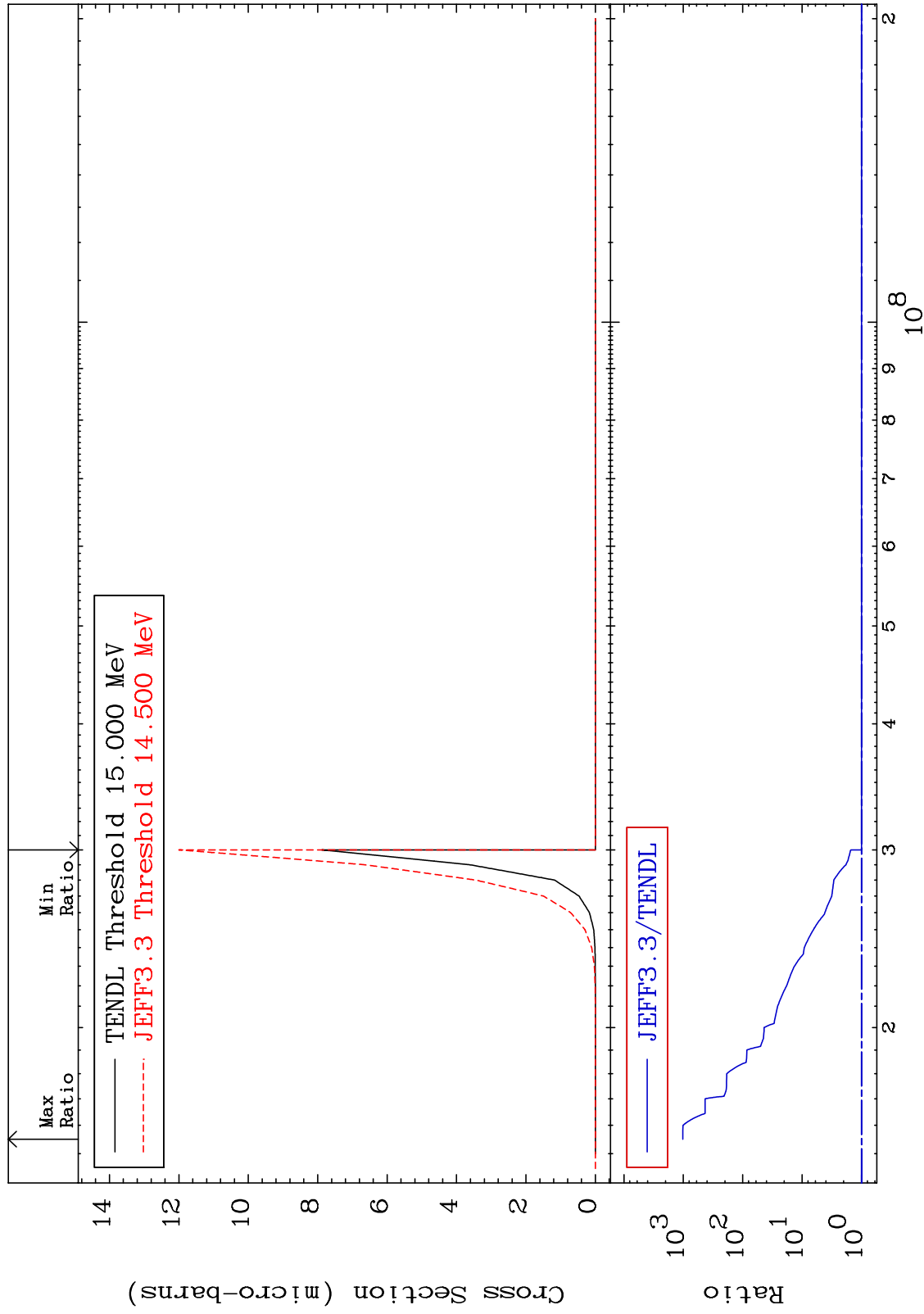
44-Ru-98

MAT 4431

(n, n') 2α: 40-Zr-90m3

44-Ru-98

Radionuclide Production Cross Section 0.000 To 9999. %

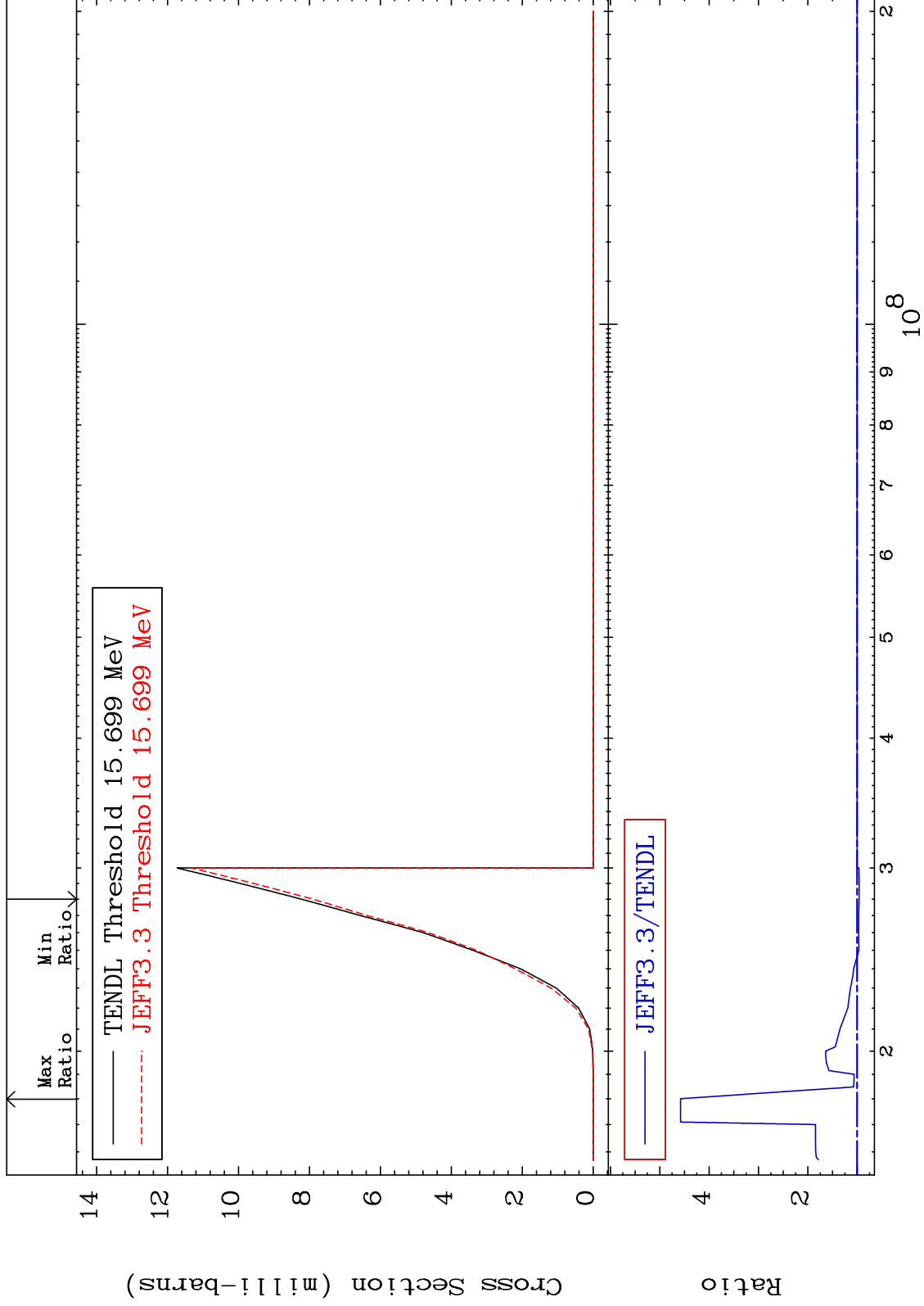


MAT 4431

(n, n') d: 43-Tc-96g

44-Ru-98

Radionuclide Production Cross Section -3.951 To 357.8 %



85

Incident Energy (eV)

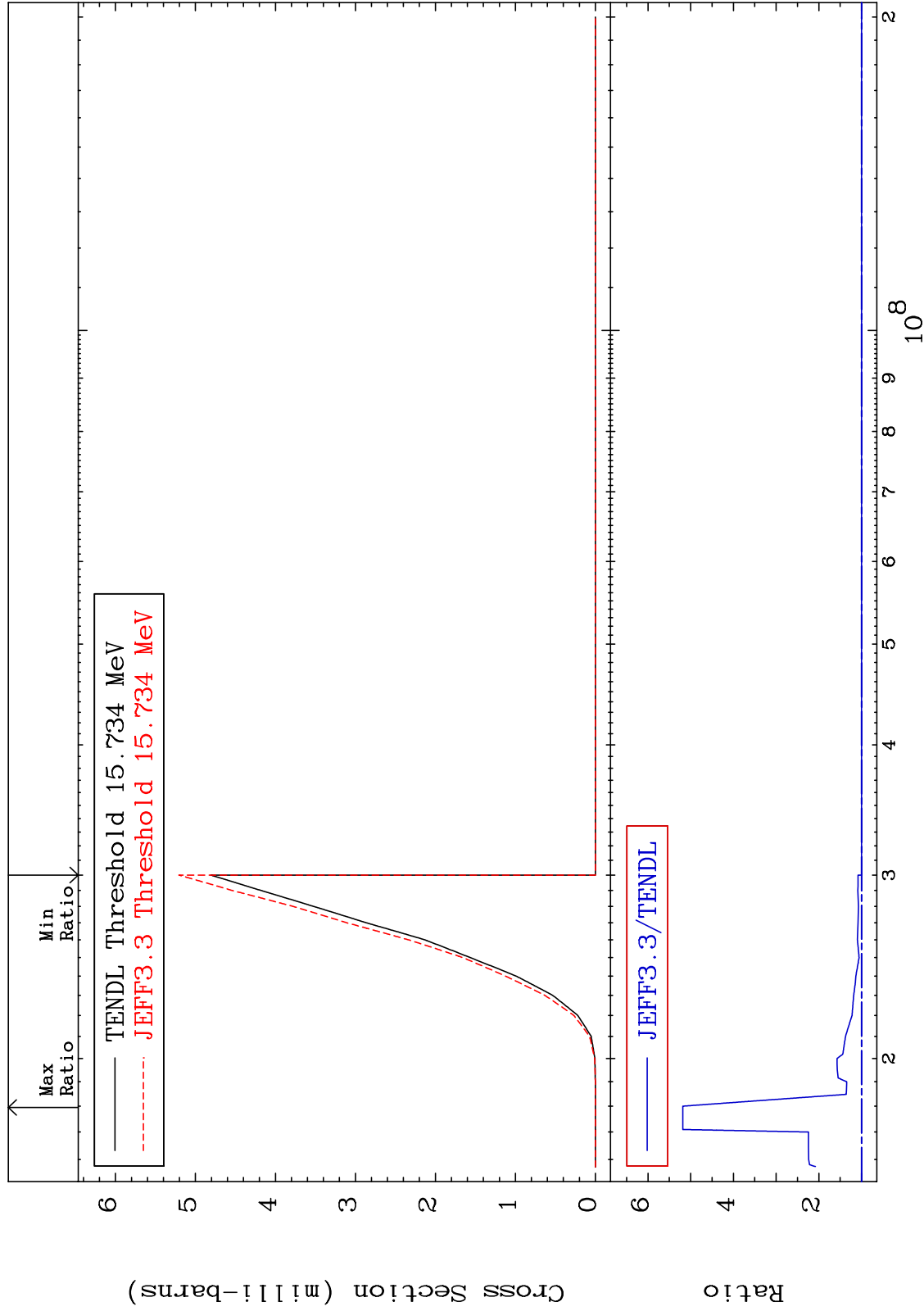
44-Ru-98

MAT 4431

(n, n') d:43-Tc-96m1

44-Ru-98

Radionuclide Production Cross Section 0.000 To 418.3 %



86

Incident Energy (eV)

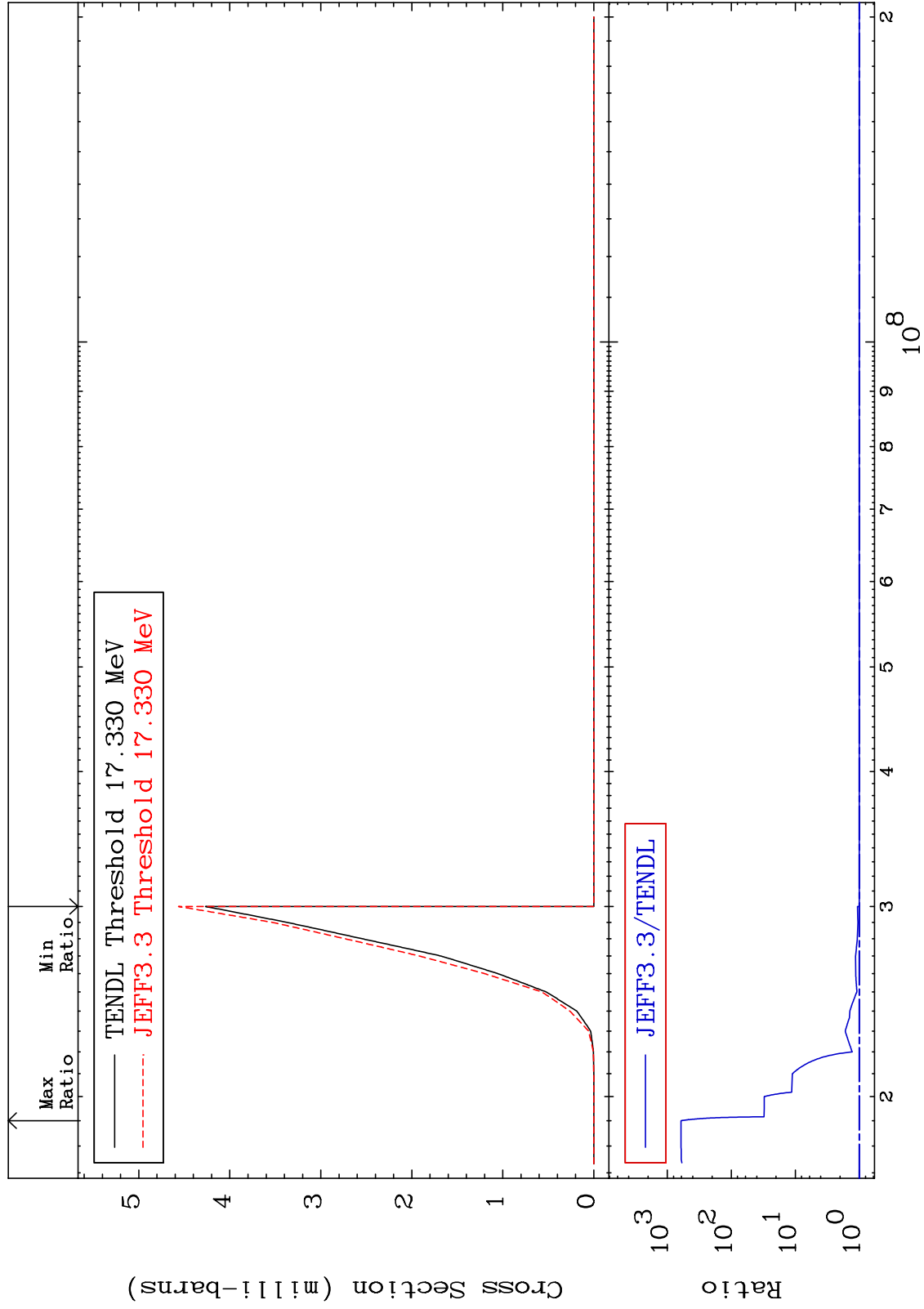
44-Ru-98

MAT 4431

(n, n') t: 43-Tc-95g

44-Ru-98

Radionuclide Production Cross Section 0.000 To 9999. %

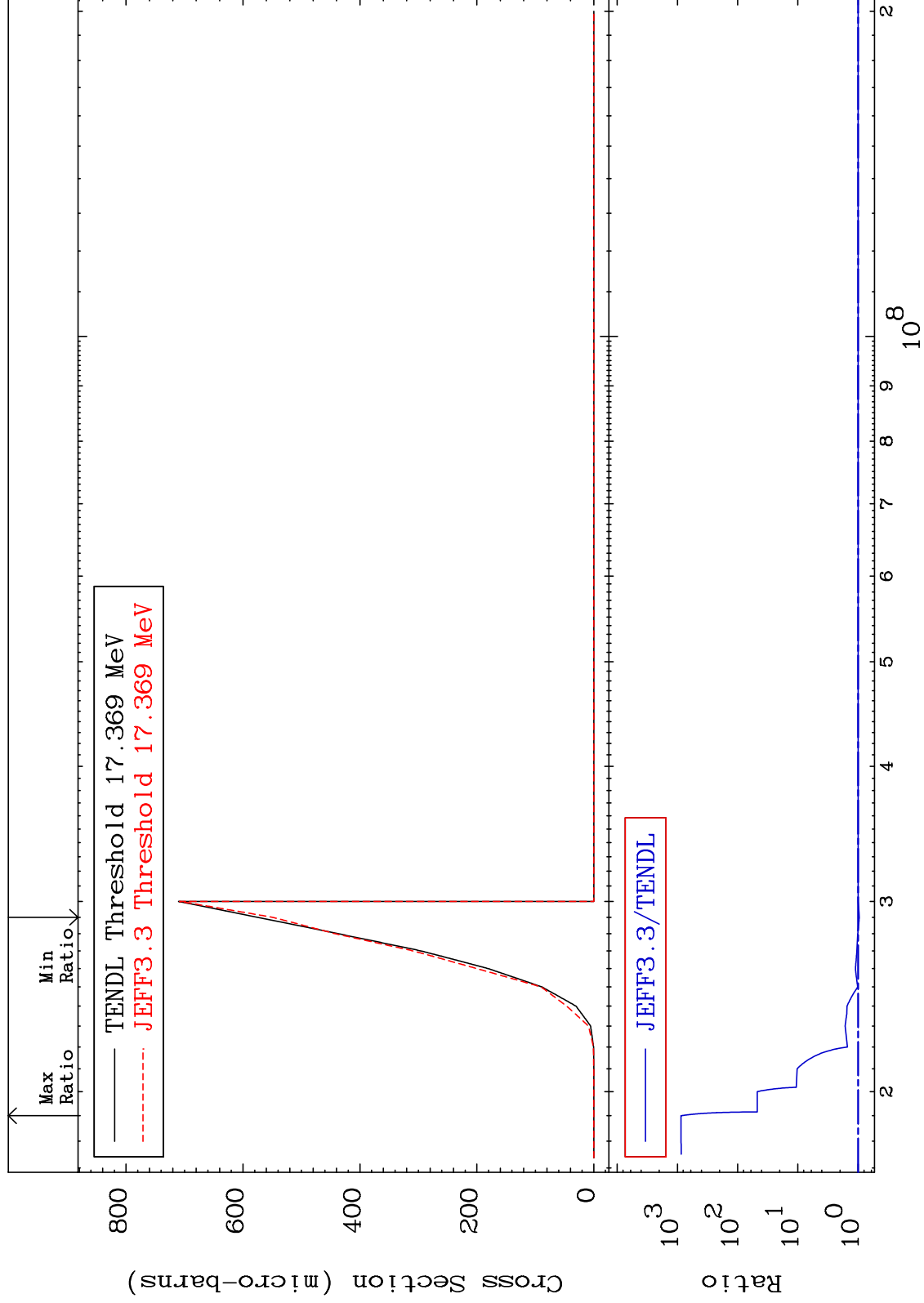


MAT 4431

(n, n') t:43-Tc-95m1

44-Ru-98

Radionuclide Production Cross Section -4.458 To 9999. %



88

Incident Energy (eV)

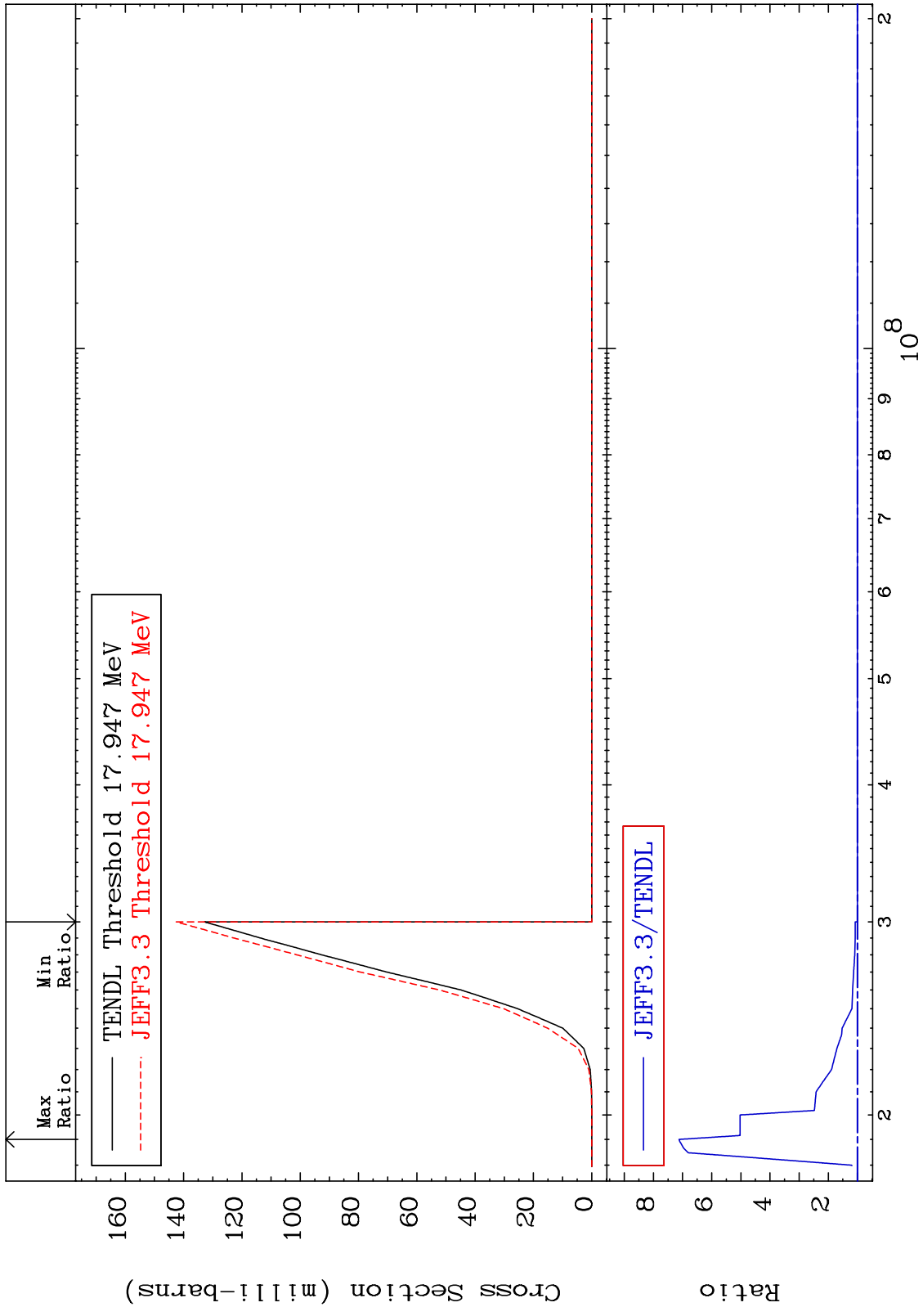
44-Ru-98

MAT 4431

(n,2n) p: 43-Tc-96g

44-Ru-98

Radionuclide Production Cross Section 0.000 To 612.0 %

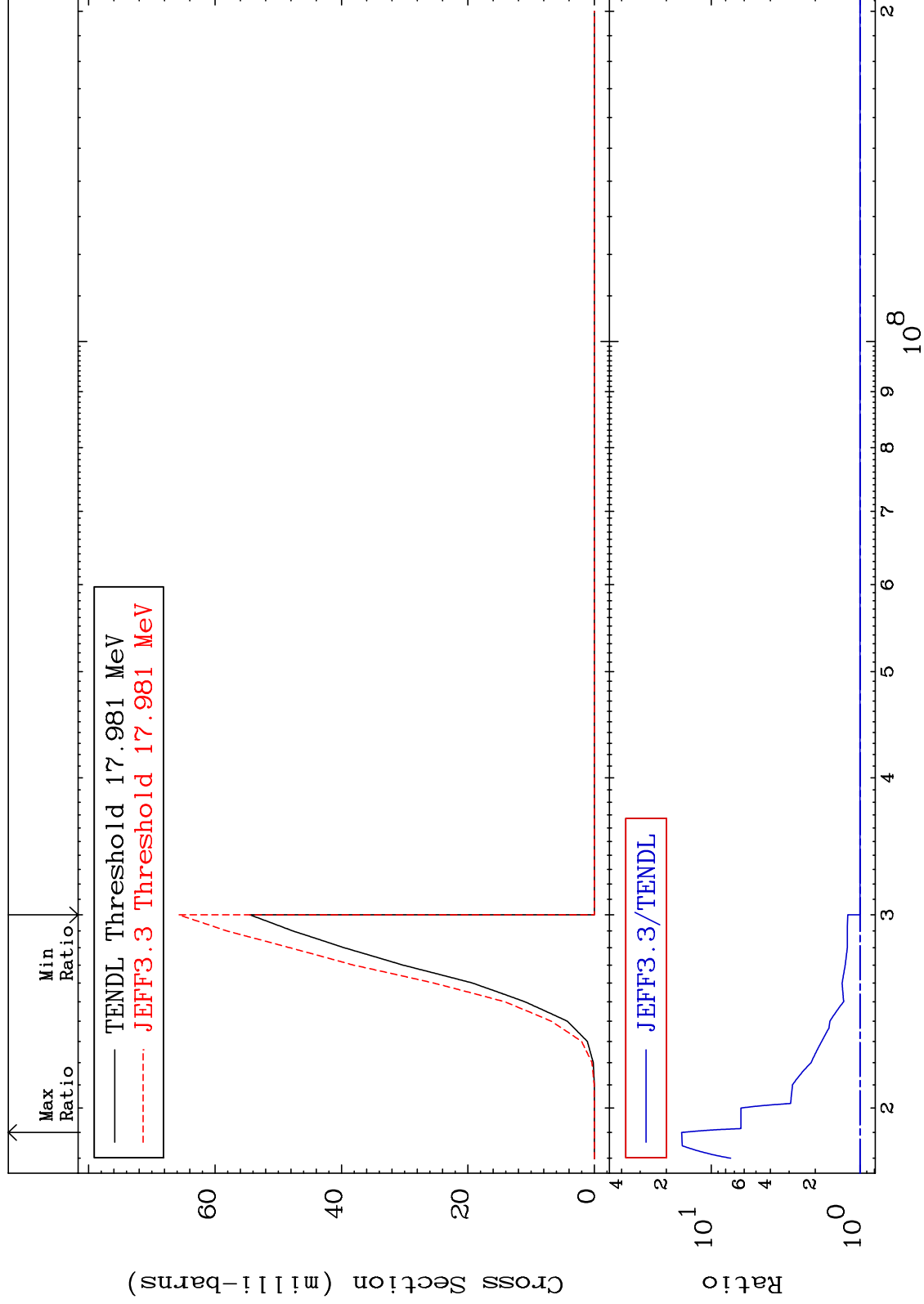


MAT 4431

(n,2n) p:43-Tc-96m1

44-Ru-98

Radionuclide Production Cross Section 0.000 To 1480. %



90

Incident Energy (eV)

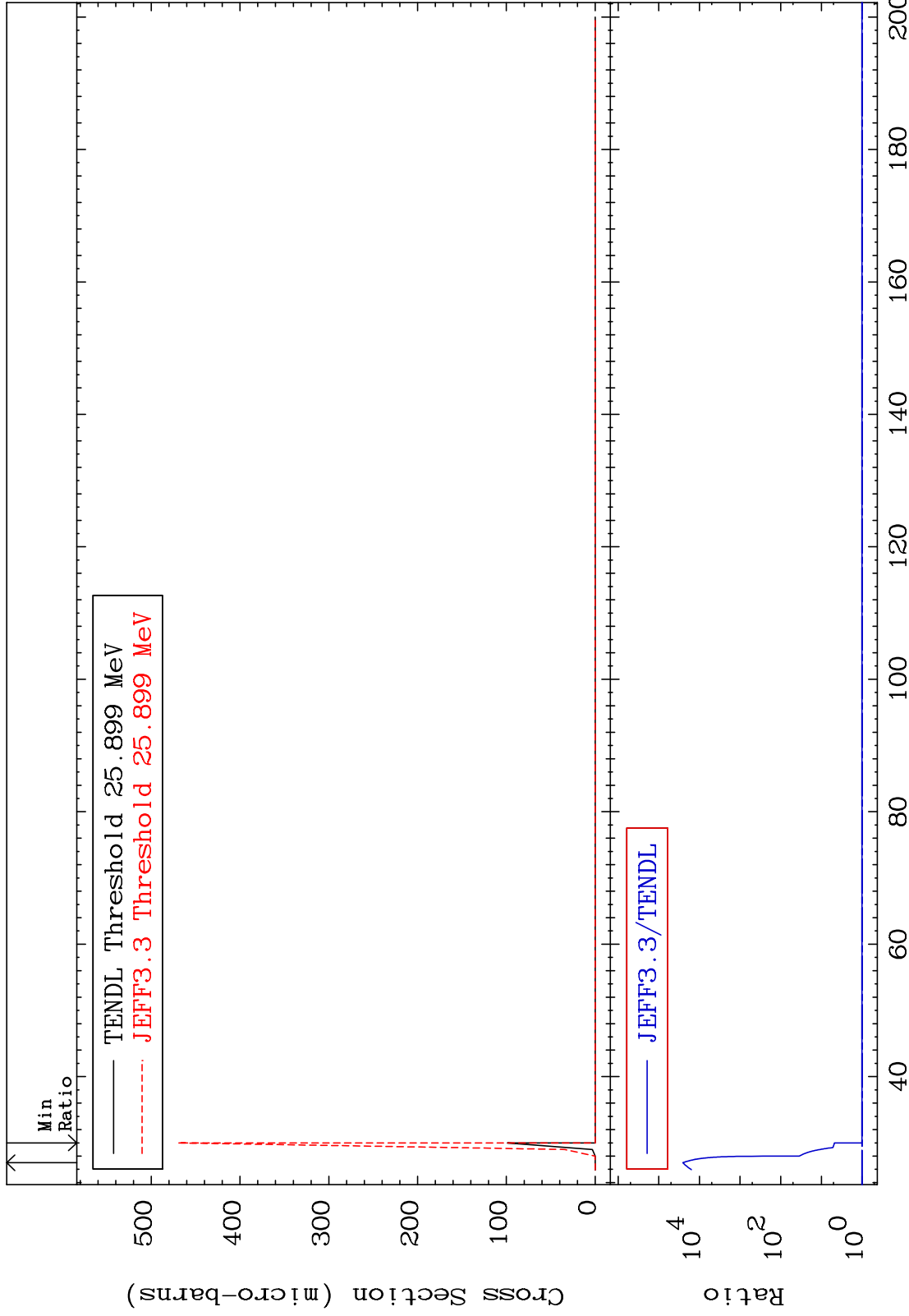
44-Ru-98

MAT 4431

(n,3n) p: 43-Tc-95g

44-Ru-98

Radionuclide Production Cross Section 0.000 To 9999. %

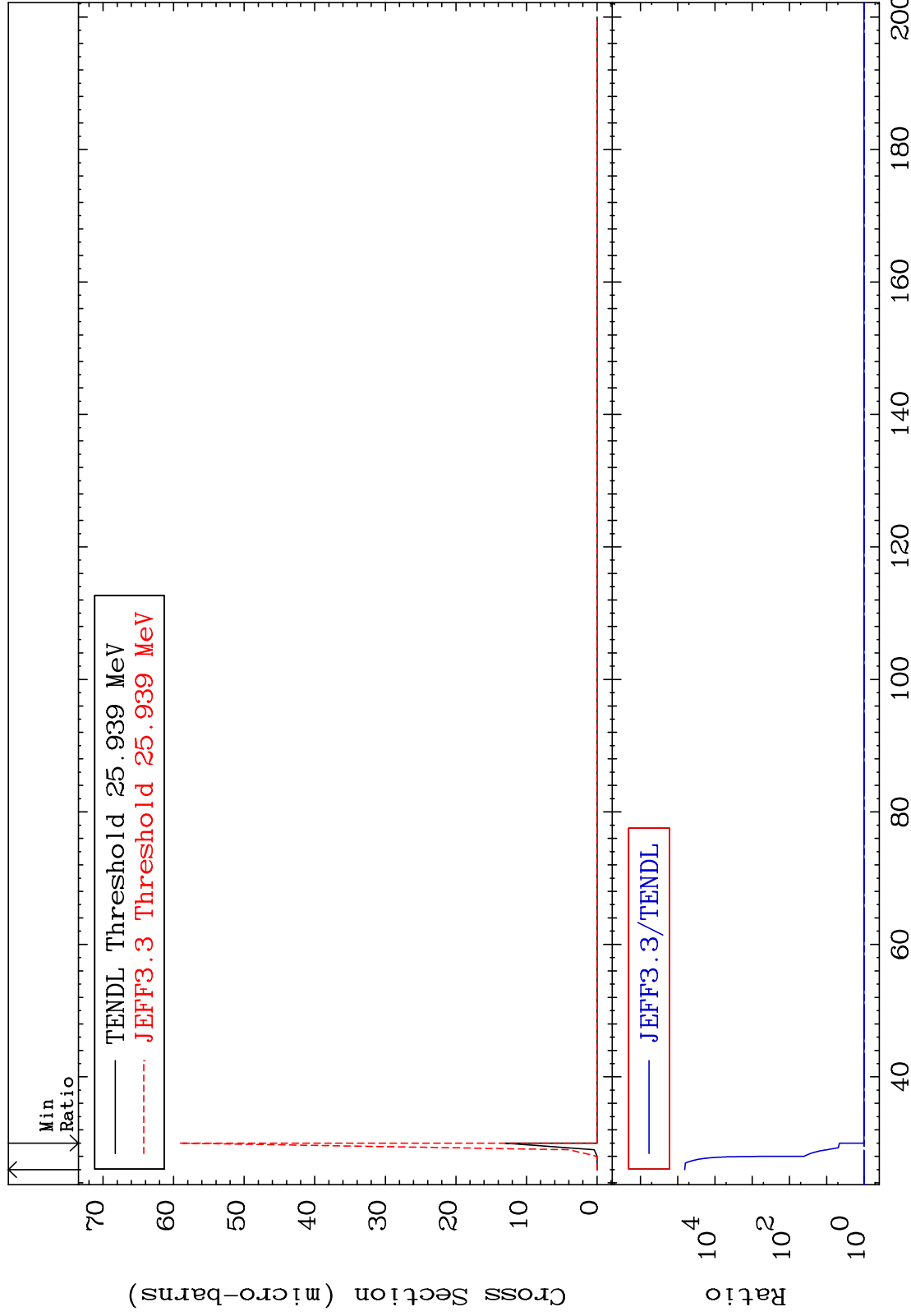


MAT 4431

(n,3n) p:43-Tc-95m1

44-Ru-98

Radionuclide Production Cross Section 0.000 To 9999. %



92

Incident Energy (MeV)

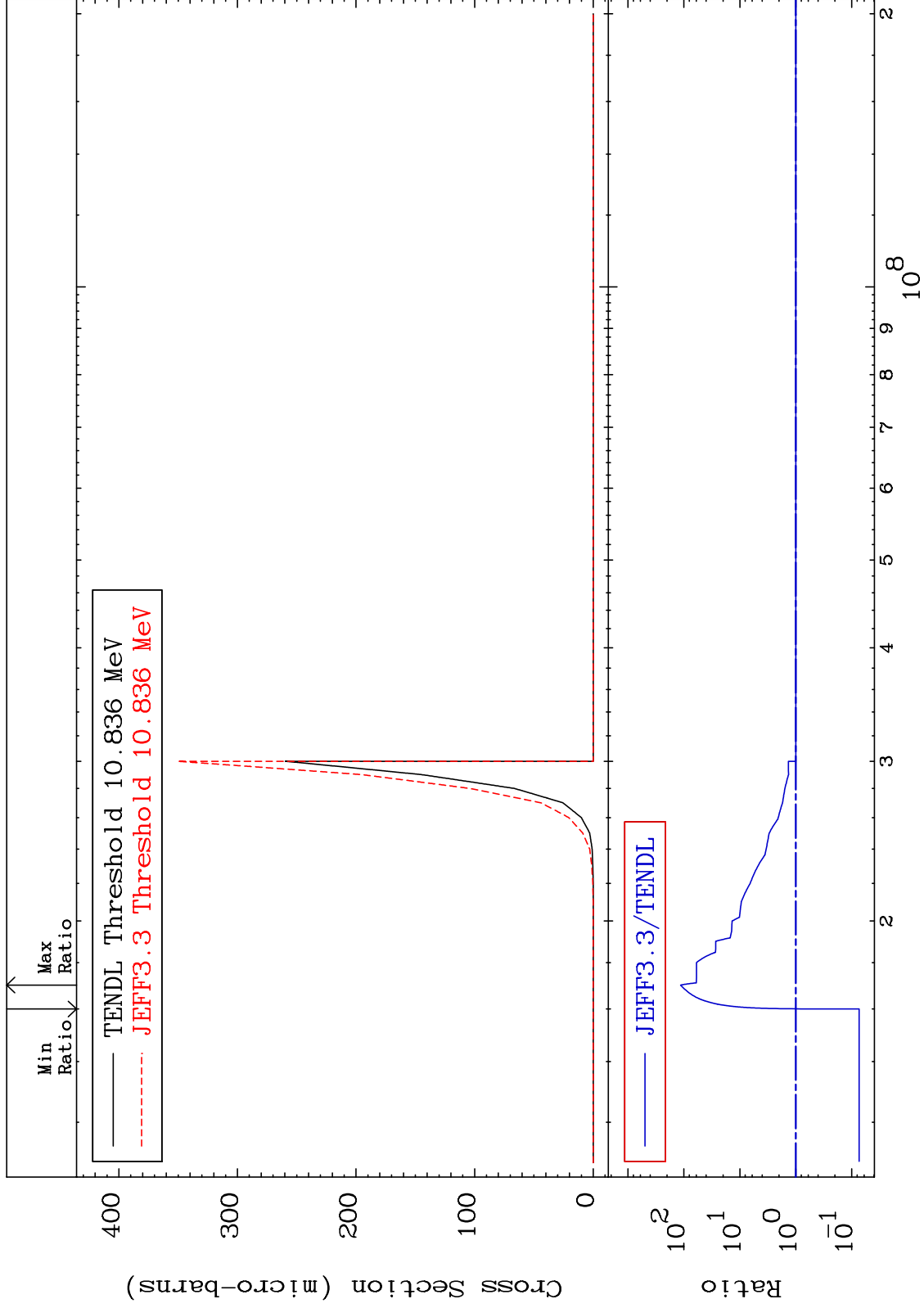
44-Ru-98

MAT 4431

(n, n') p α : 41-Nb-93g

44-Ru-98

Radionuclide Production Cross Section -92.65 To 9999. %



93

Incident Energy (eV)

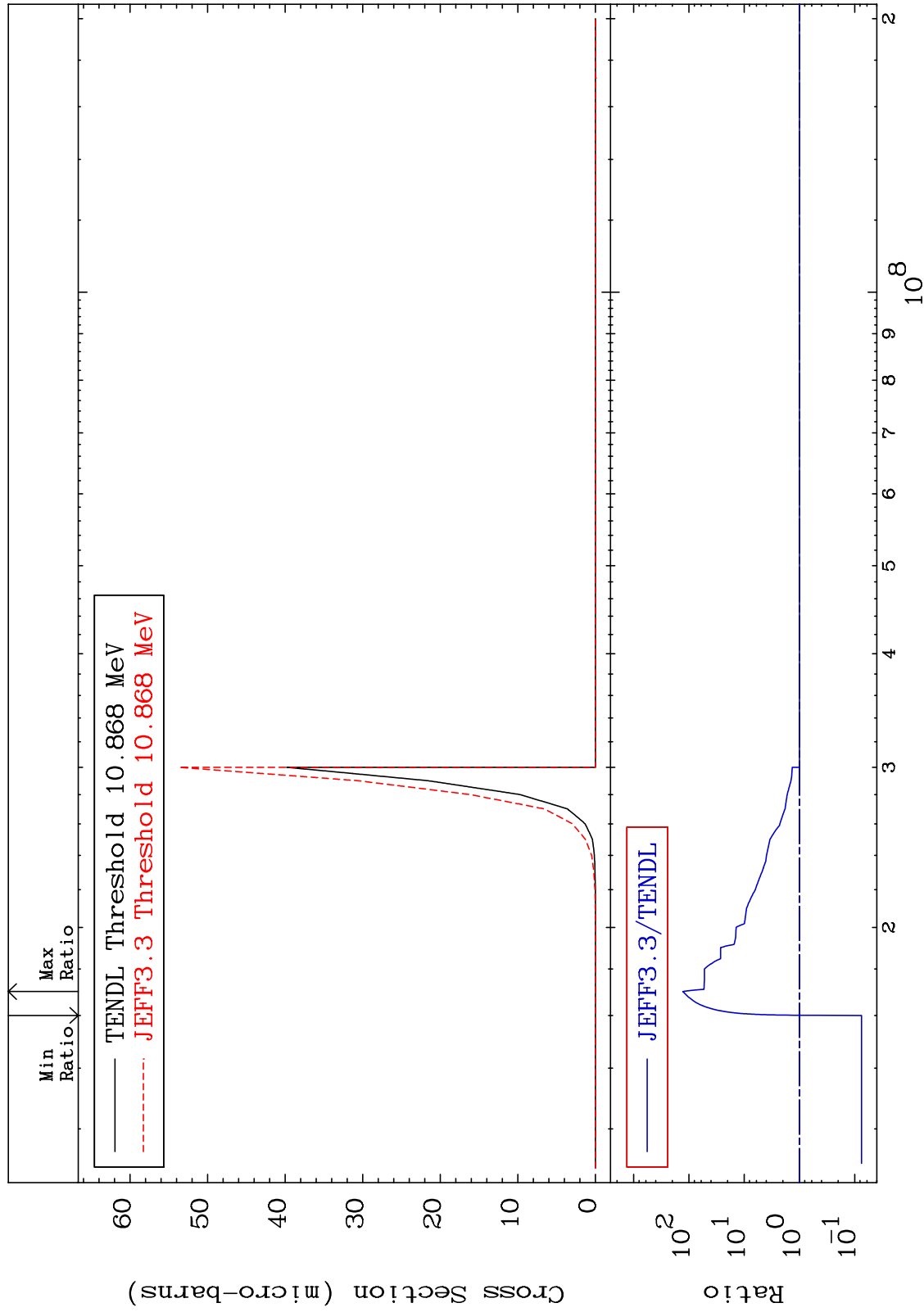
44-Ru-98

MAT 4431

(n, n') p α : 41-Nb-93m1

44-Ru-98

Radionuclide Production Cross Section -92.48 To 9999. %

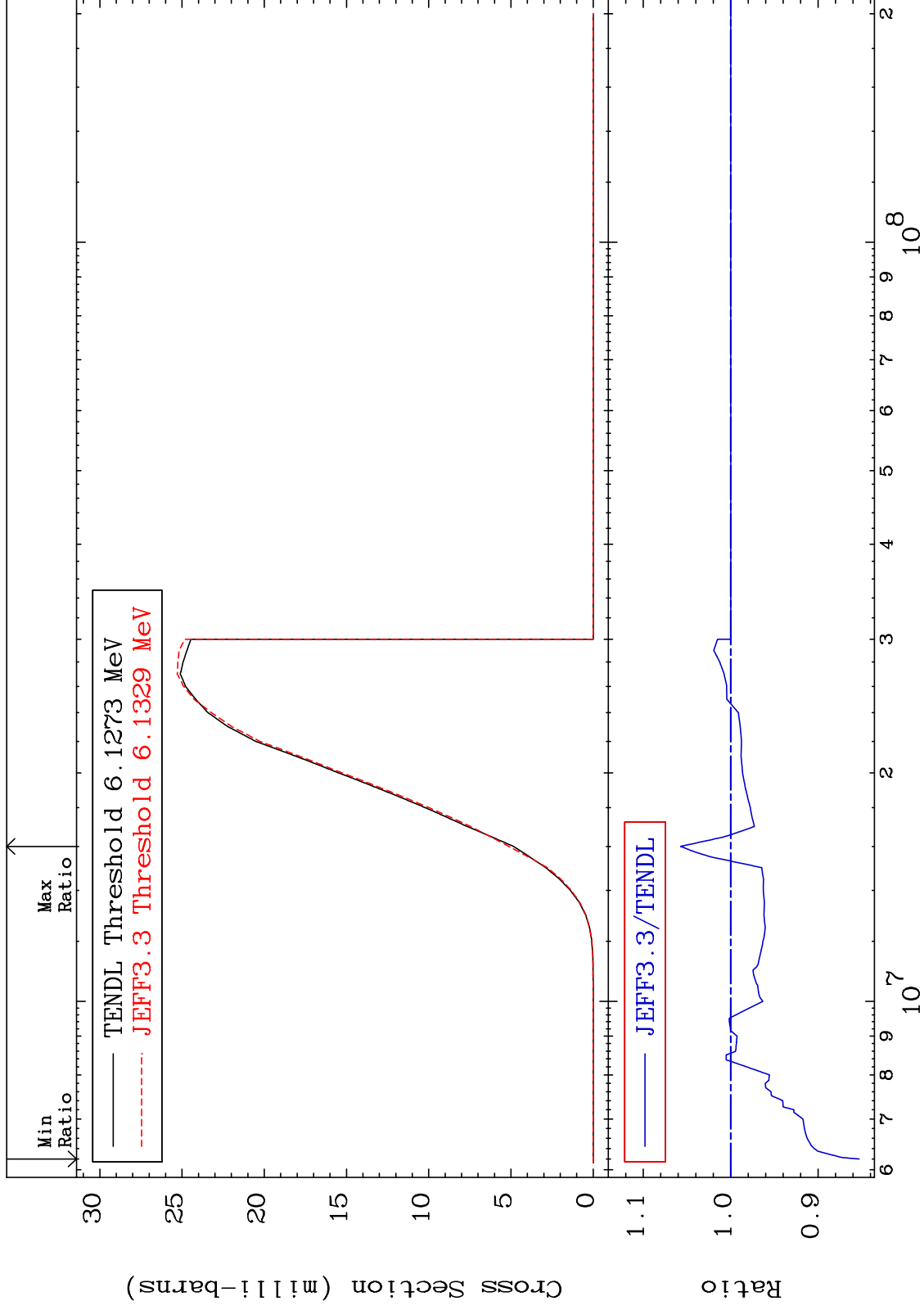


MAT 4431

44-Ru-98

(n, d) : 43-Tc-97g

Radionuclide Production Cross Section -14.70 To 5.730 %



95

Incident Energy (eV)

44-Ru-98

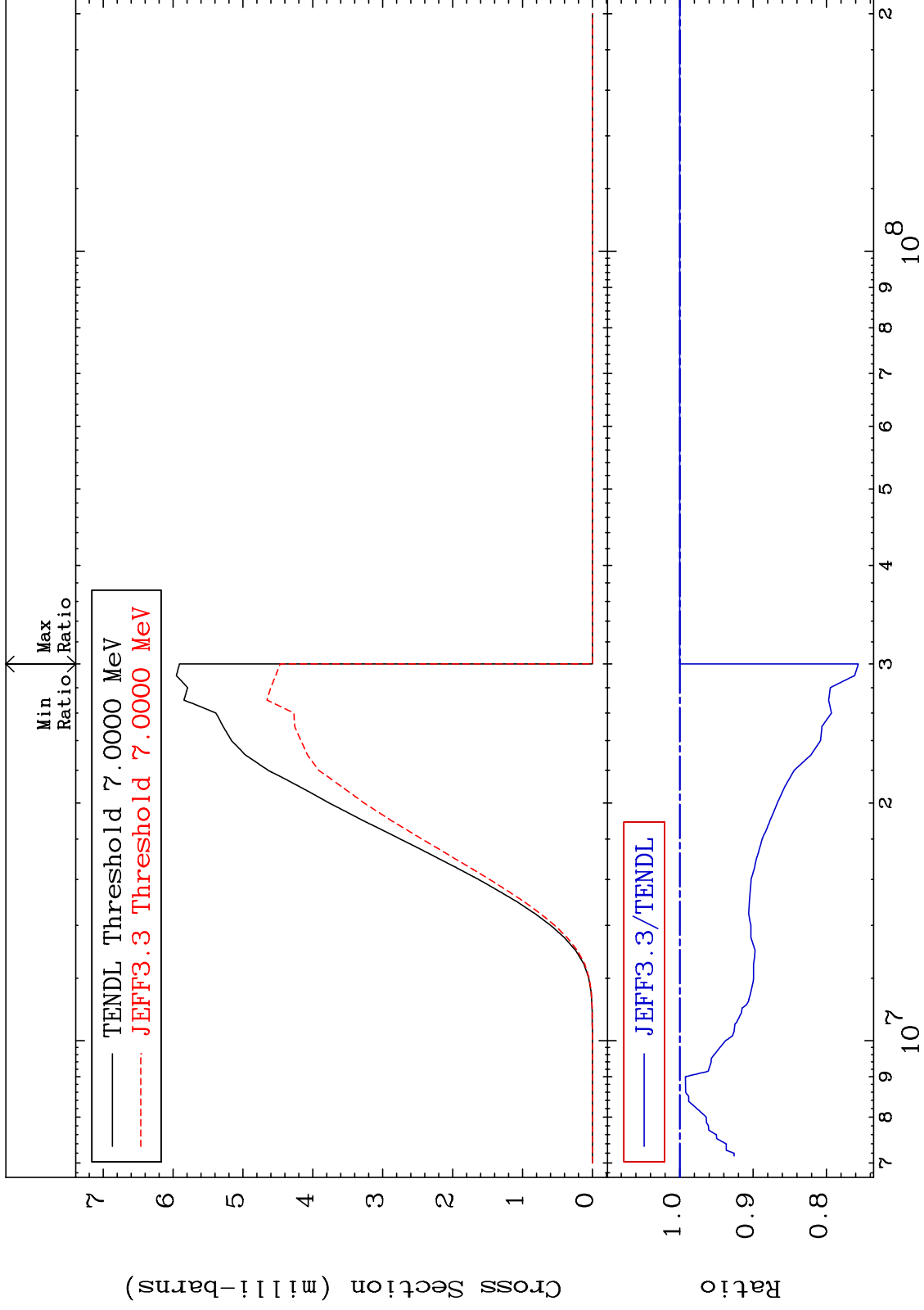
MAT 4431

(n,d): 43-Tc-97m1

44-Ru-98

Radionuclide Production Cross Section

-24.37 To 0.000 %



96

44-Ru-98

44-Ru-98

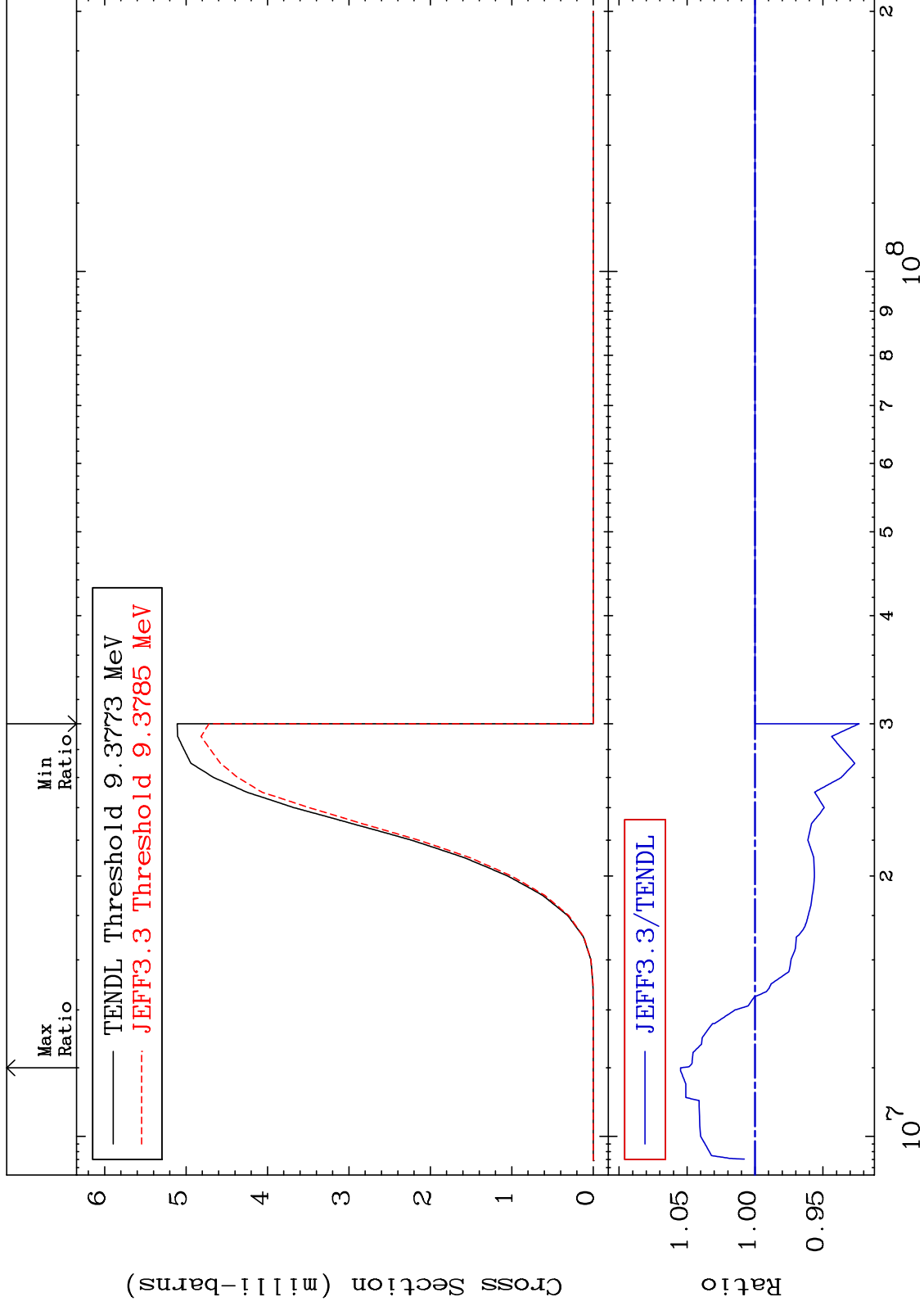
MAT 4431

(n, t) : 43-Tc-96g

44-Ru-98

Radionuclide Production Cross Section

-7.663 To 5.474 %



97

Incident Energy (eV)

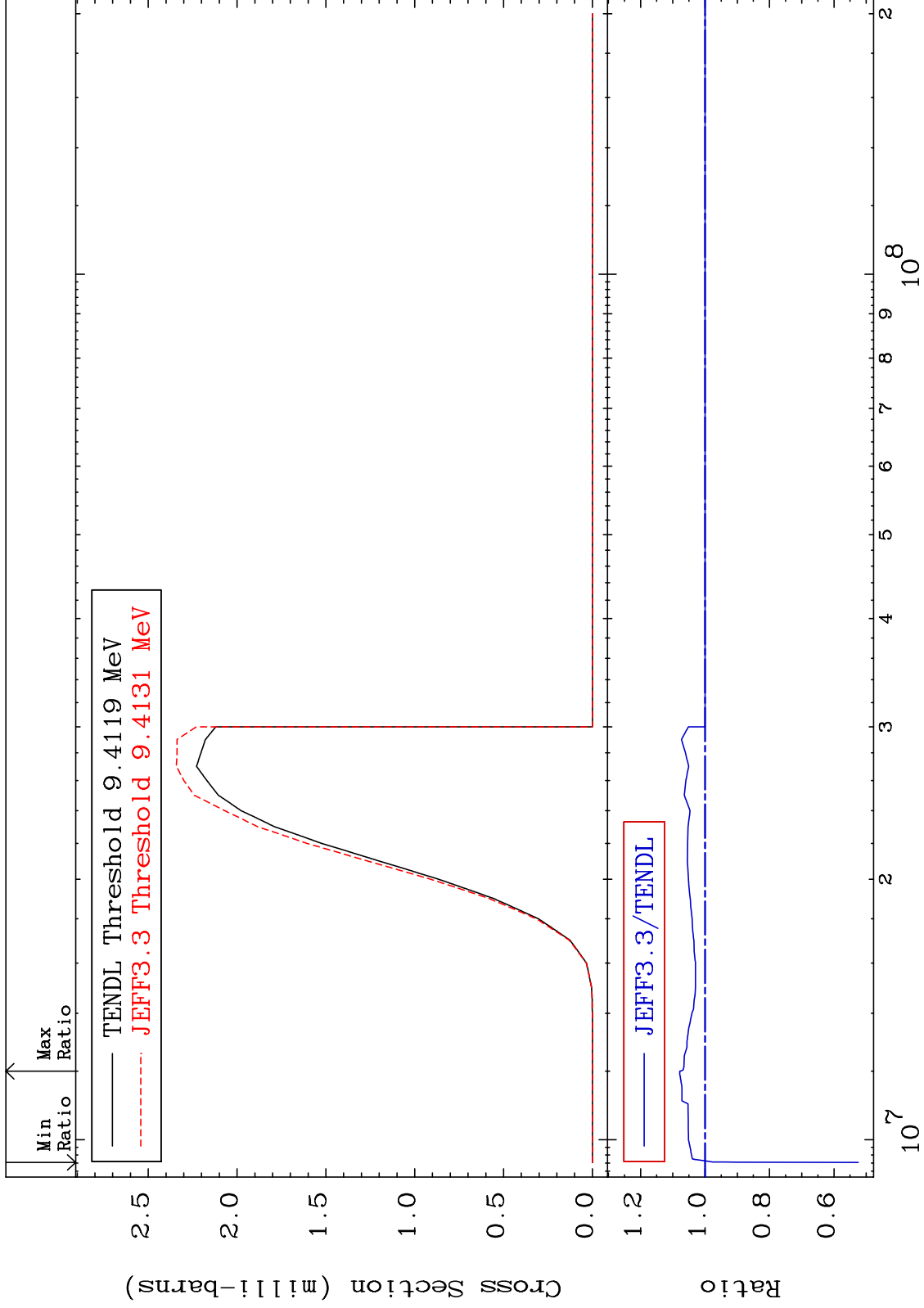
44-Ru-98

MAT 4431

(n, t): 43-Tc-96m1

44-Ru-98

Radionuclide Production Cross Section -47.56 To 7.830 %



98

Incident Energy (eV)

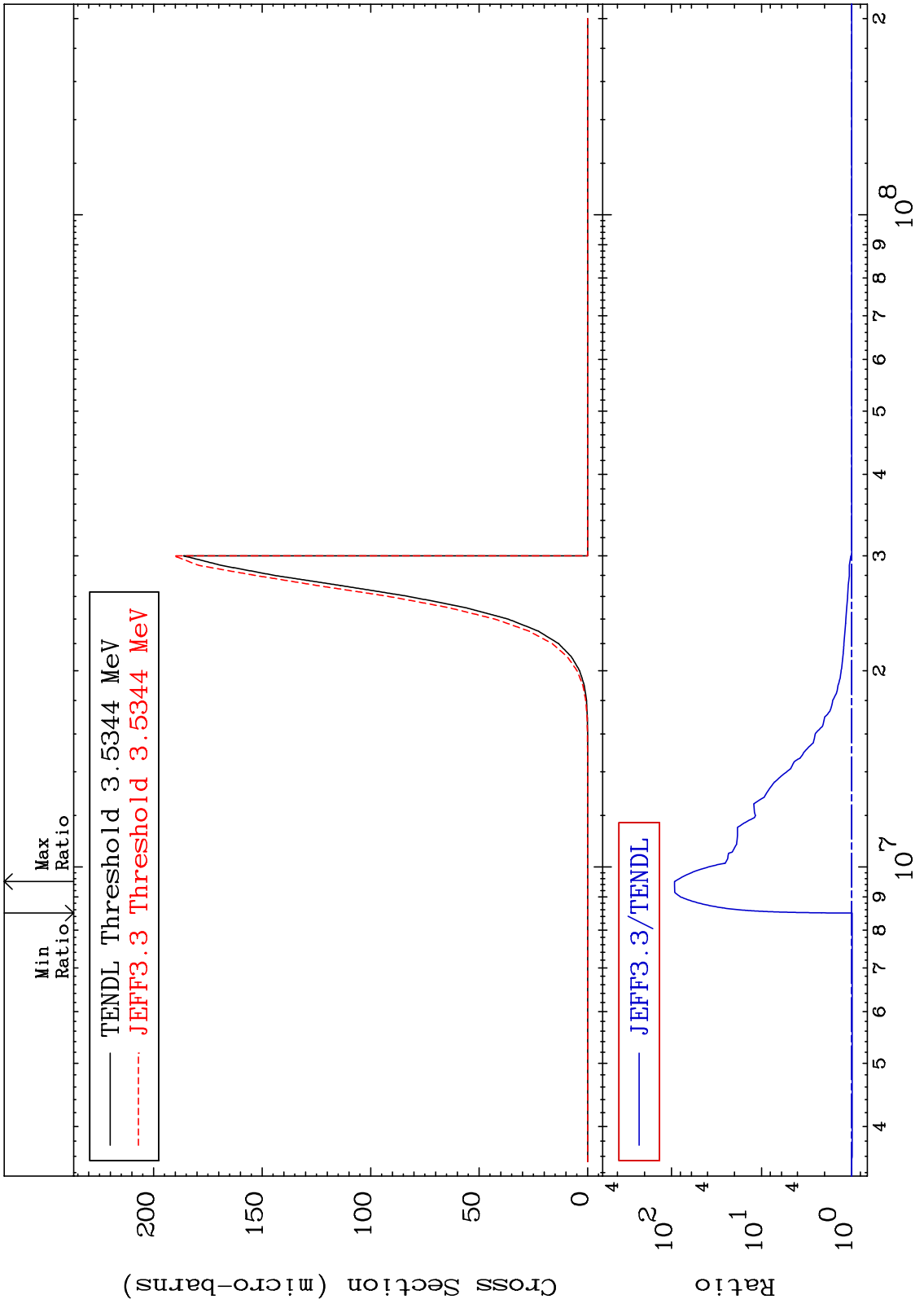
44-Ru-98

MAT 4431

(n, p) α :41-Nb-94g

44-Ru-98

Radionuclide Production Cross Section -1.187 To 9160. %



99

44-Ru-98

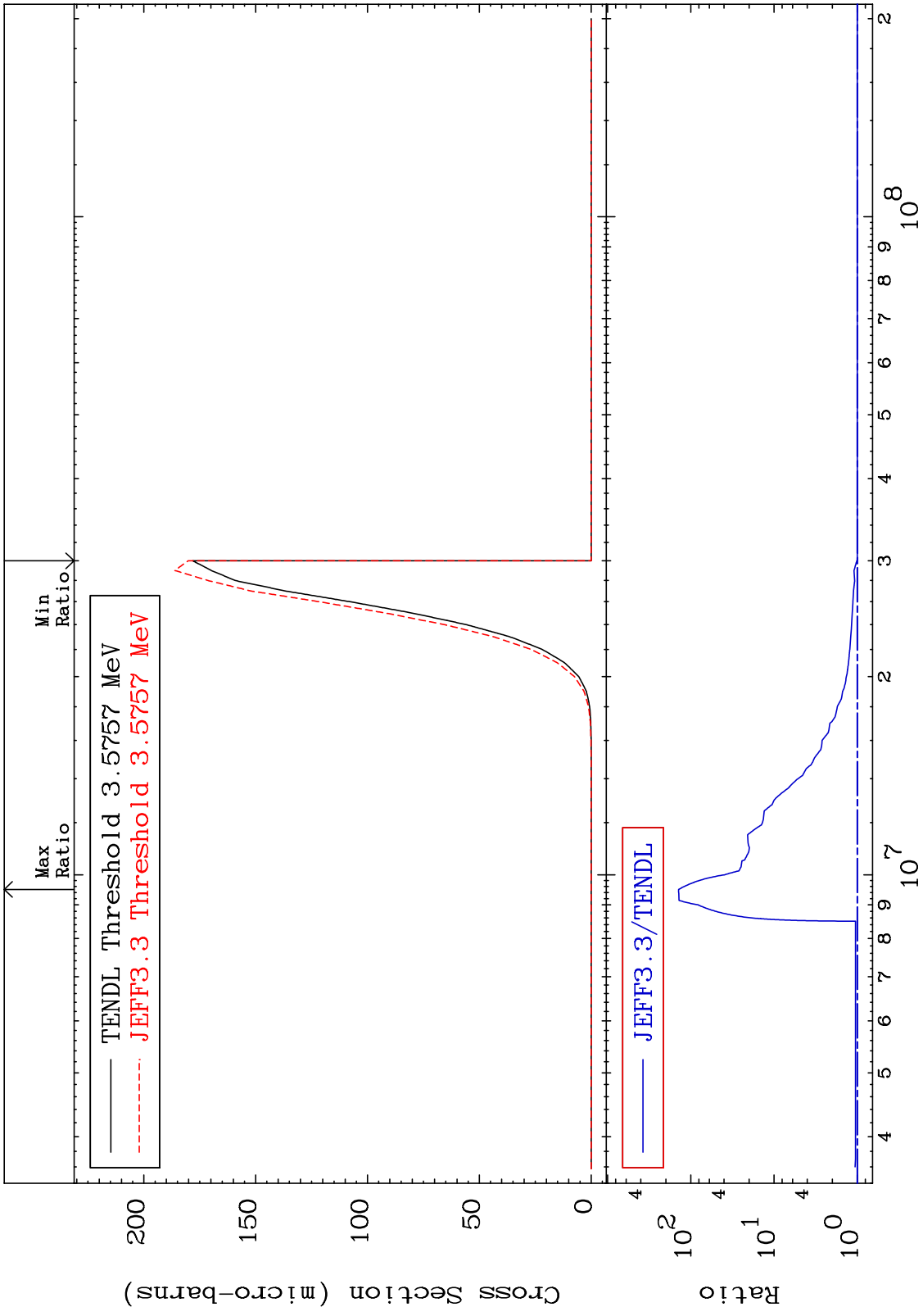
44-Ru-98

MAT 4431

(n, p) α : 41-Nb-94m1

44-Ru-98

Radionuclide Production Cross Section 0.000 To 9999. %



100

Incident Energy (eV)

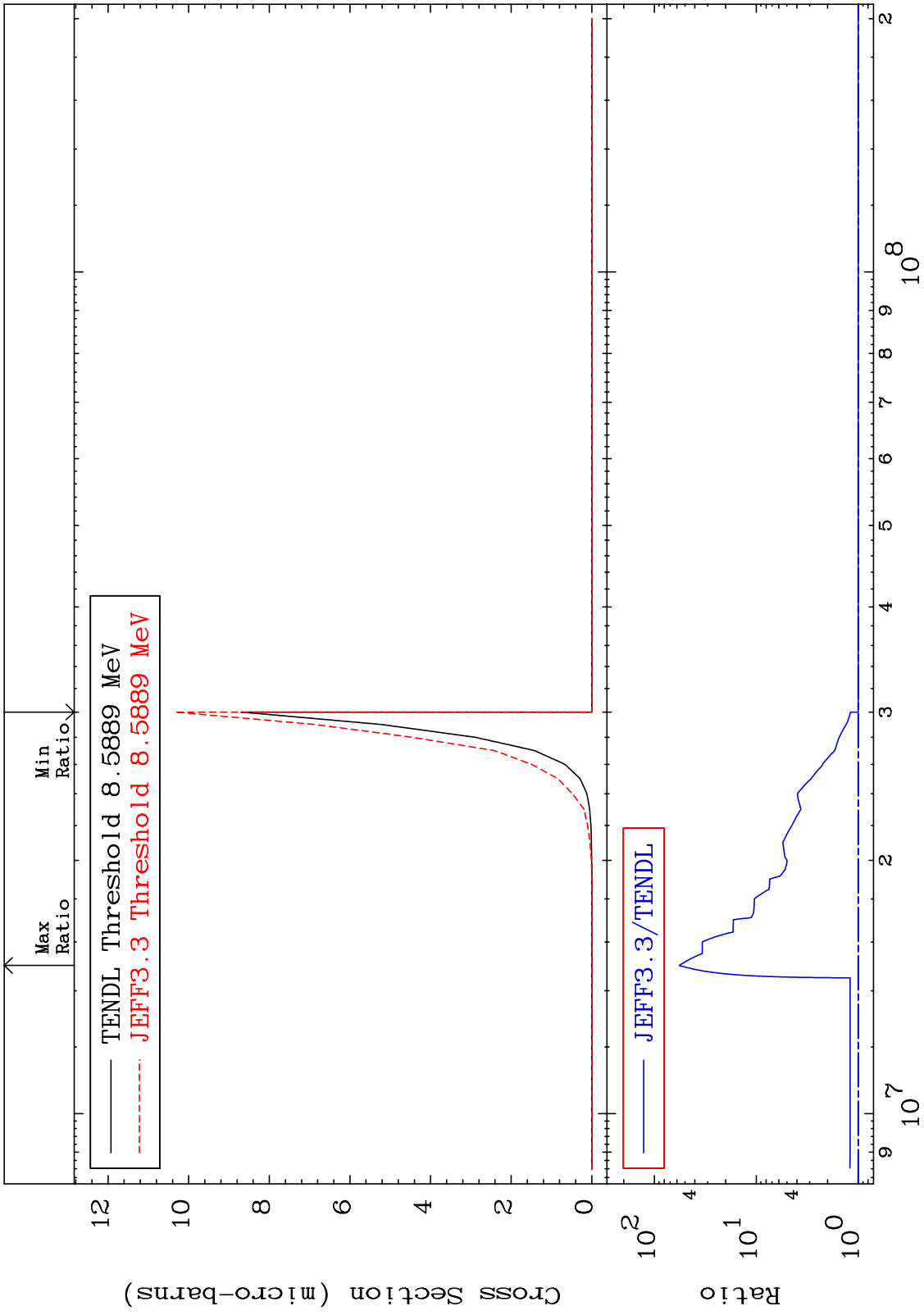
44-Ru-98

MAT 4431

(n,d) α :41-Nb-93g

44-Ru-98

Radionuclide Production Cross Section 0.000 To 5583. %



101

Incident Energy (eV)

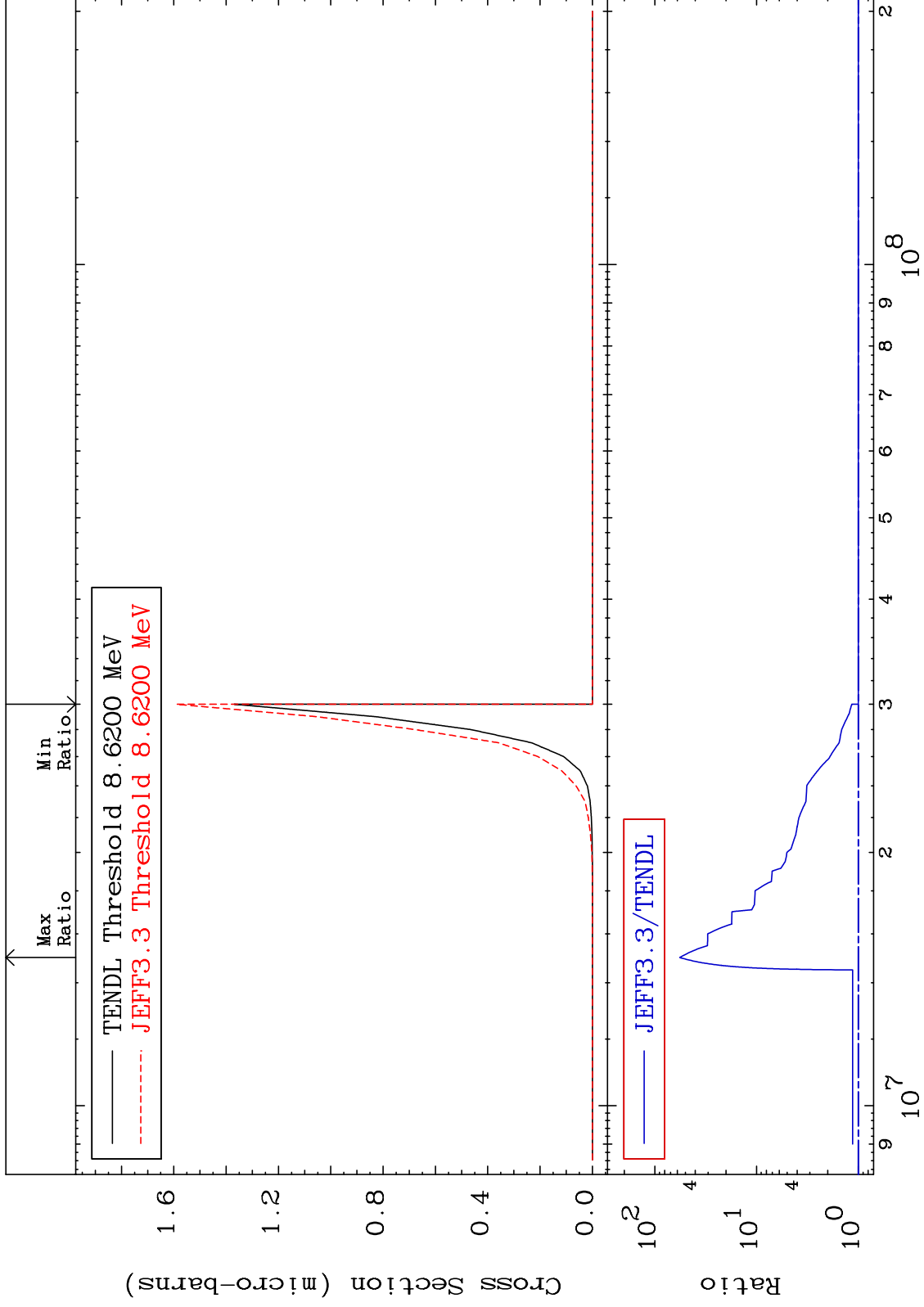
44-Ru-98

MAT 4431

(n, d) α : 41-Nb-93m1

44-Ru-98

Radionuclide Production Cross Section 0.000 To 5585. %



102

Incident Energy (eV)

44-Ru-98