

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

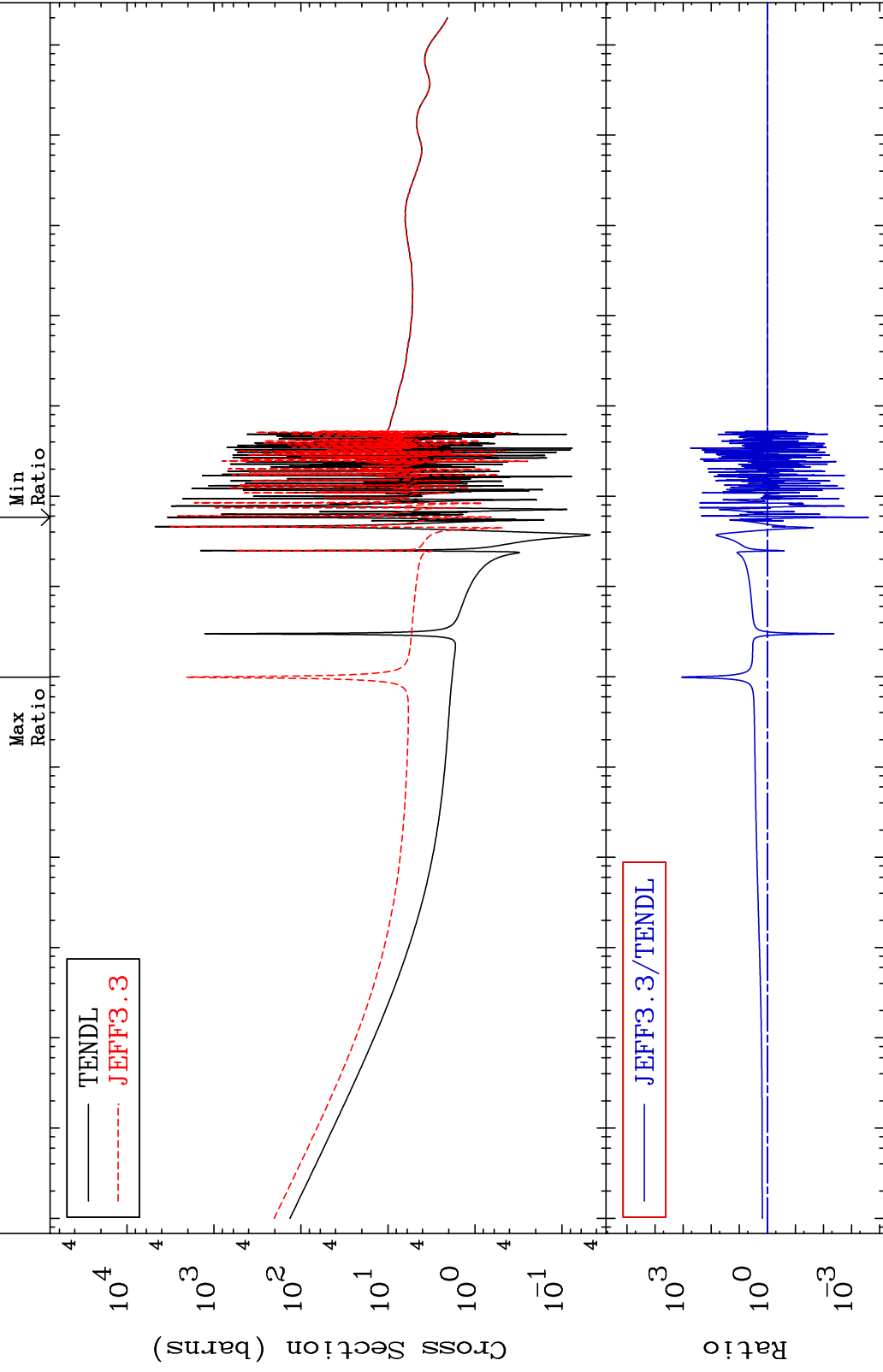
MAT 5431

Total

54-Xe-126

-99.97 To 9999. %

Cross Section



54-Xe-126

Incident Energy (eV)

1

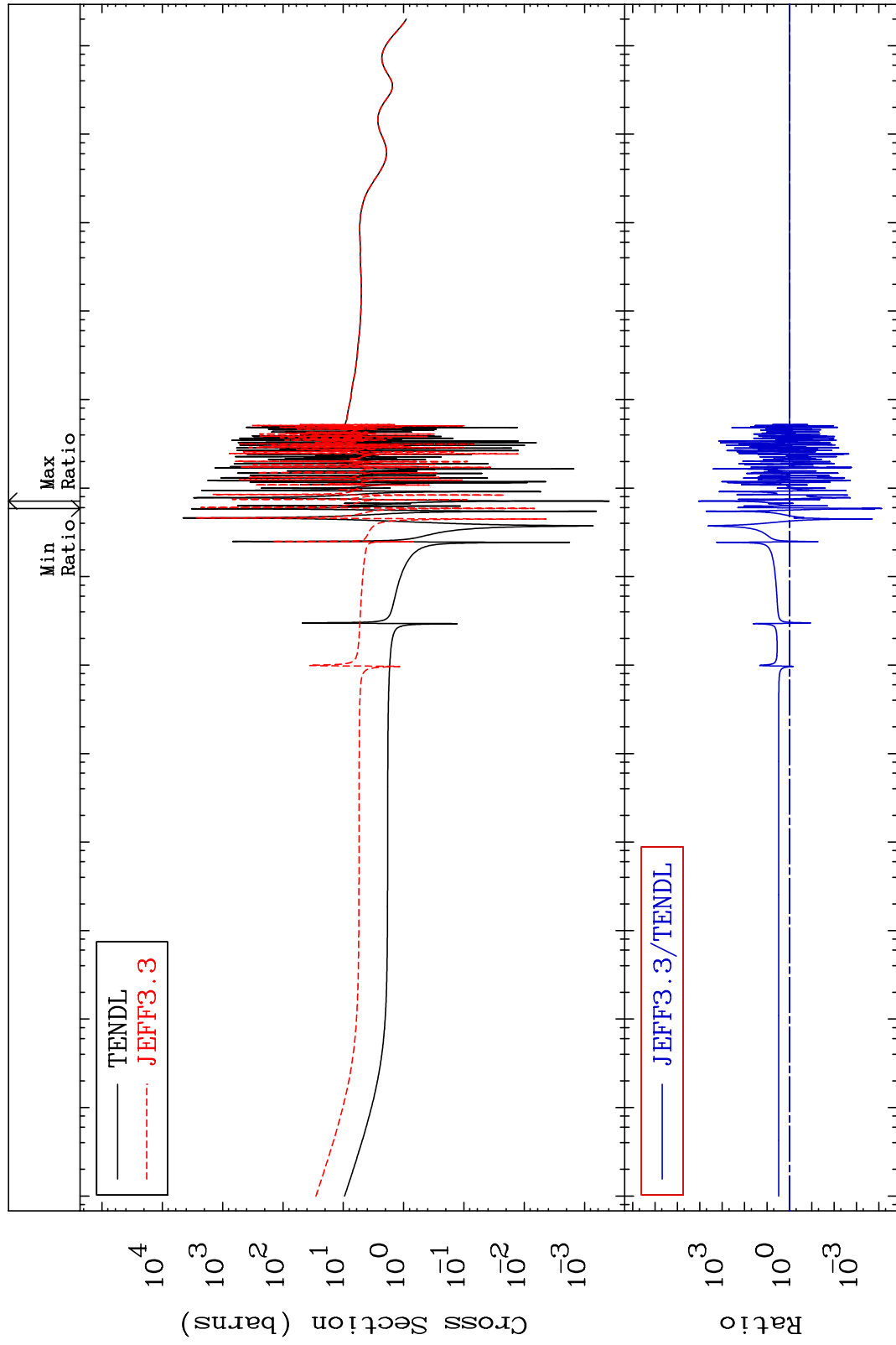
MAT 5431

Elastic

54-Xe-126

Cross Section

-99.99 To 9999. %



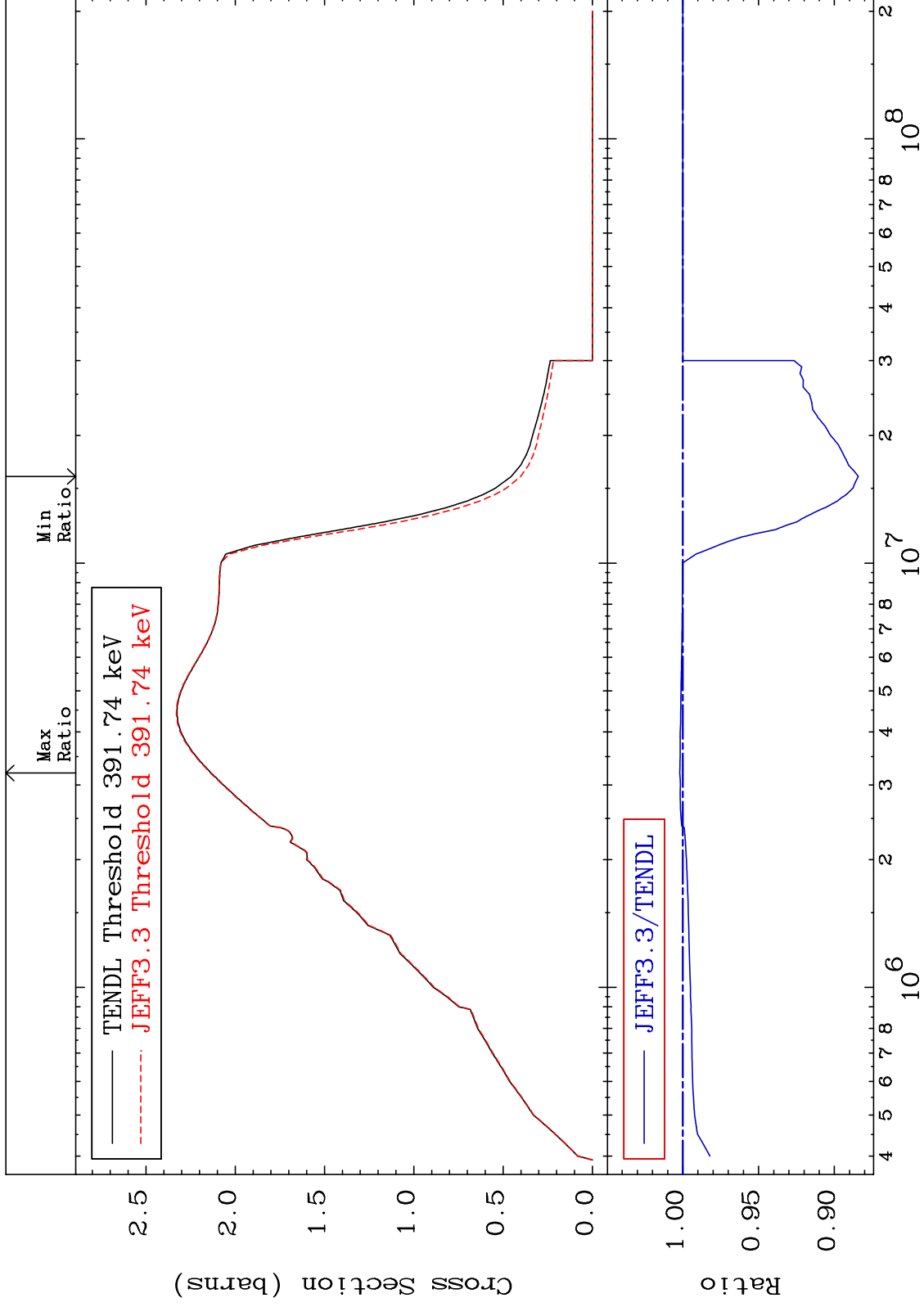
MAT 5431

54-Xe-126

-11.58 To 0.198 %

Inelastic

Cross Section



54-Xe-126

Incident Energy (eV)

3

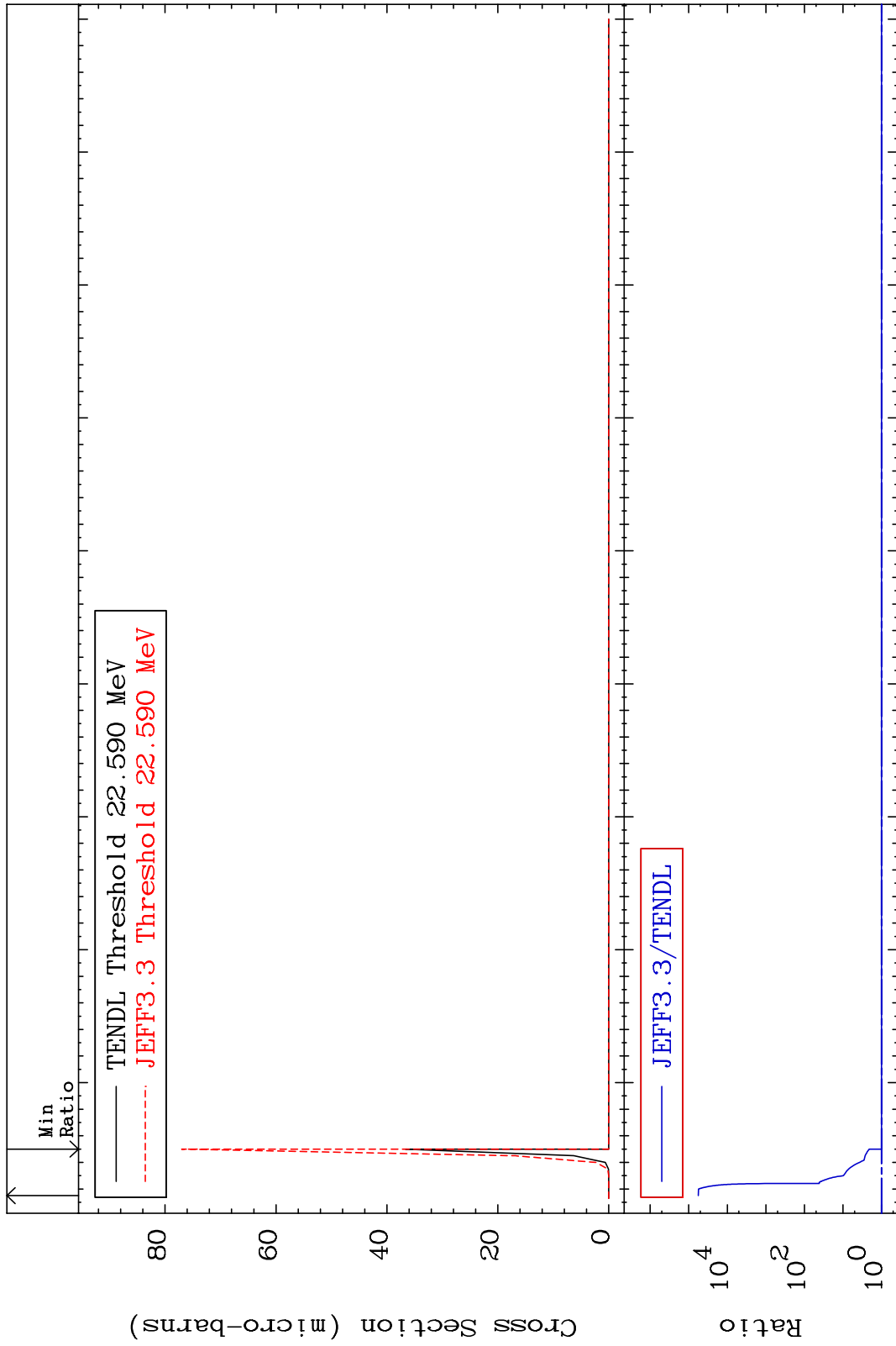
MAT 5431

(n,2n) d

54-Xe-126

Cross Section

0.000 To 9999. %



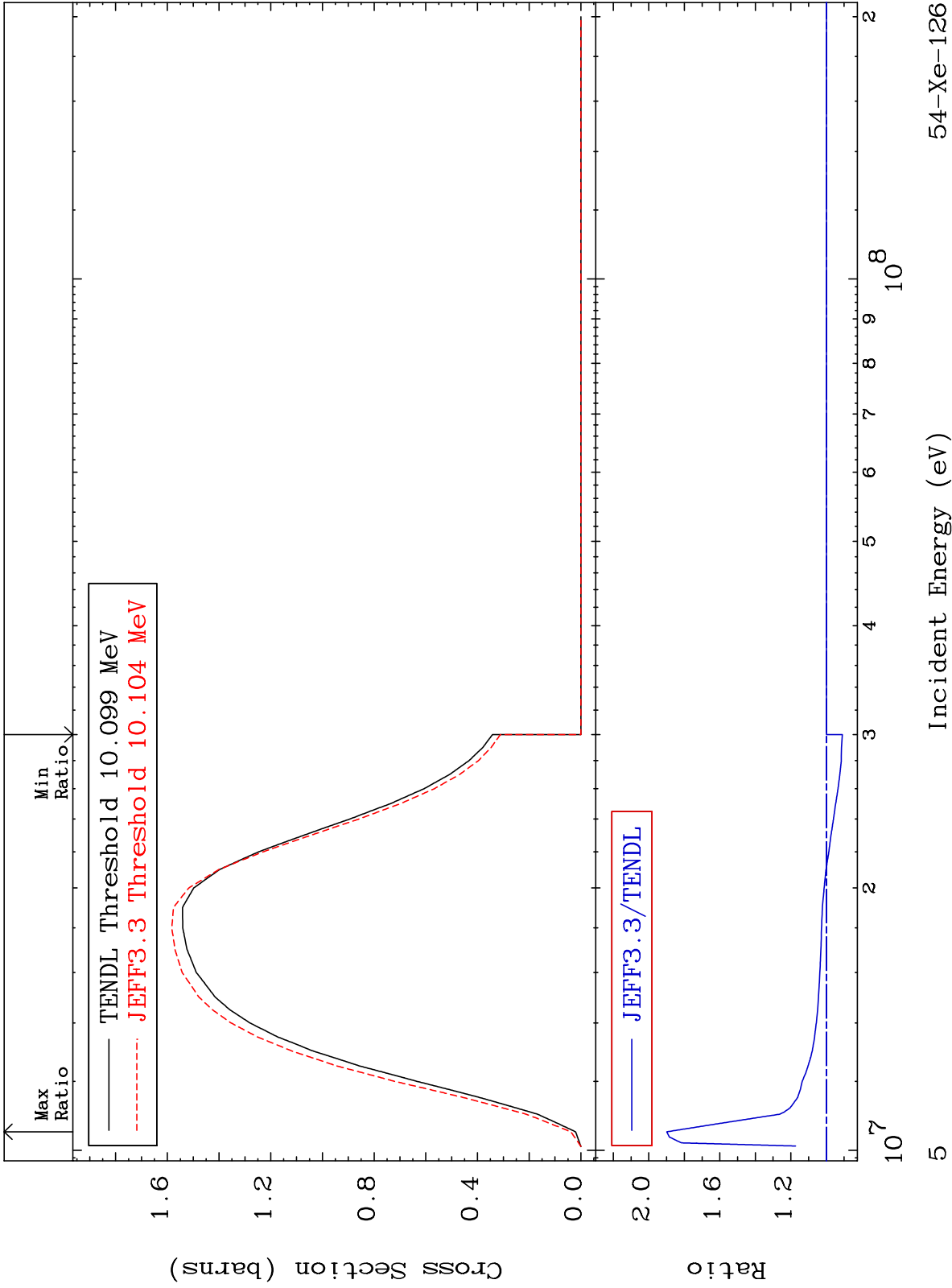
MAT 5431

(n,2n)

54-Xe-126

Cross Section

-9.012 To 89.86 %



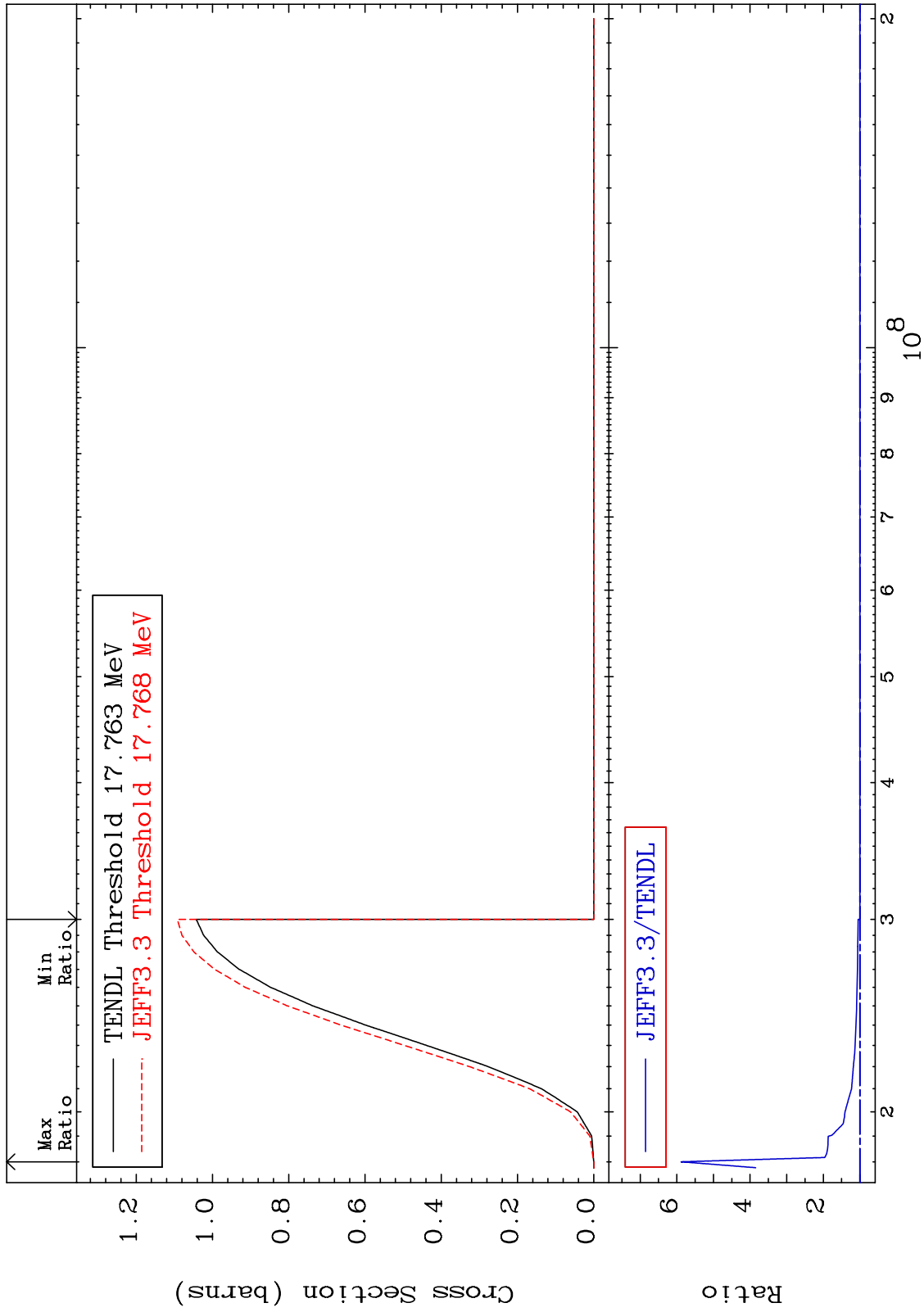
MAT 5431

(n,3n)

54-Xe-126

Cross Section

0.000 To 488.0 %



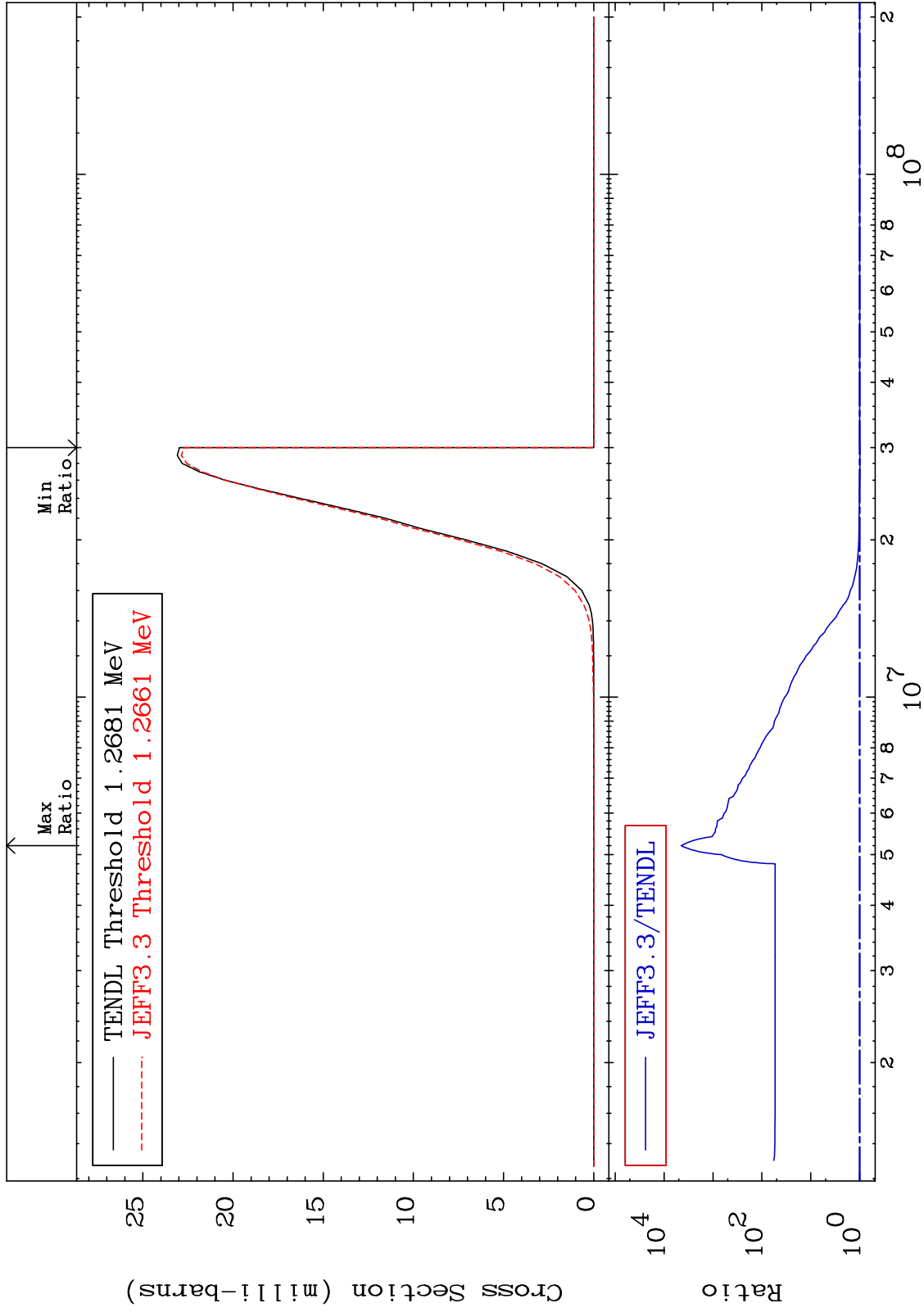
MAT 5431

(n, n') α

54-Xe-126

-1.143 To 9999. %

Cross Section



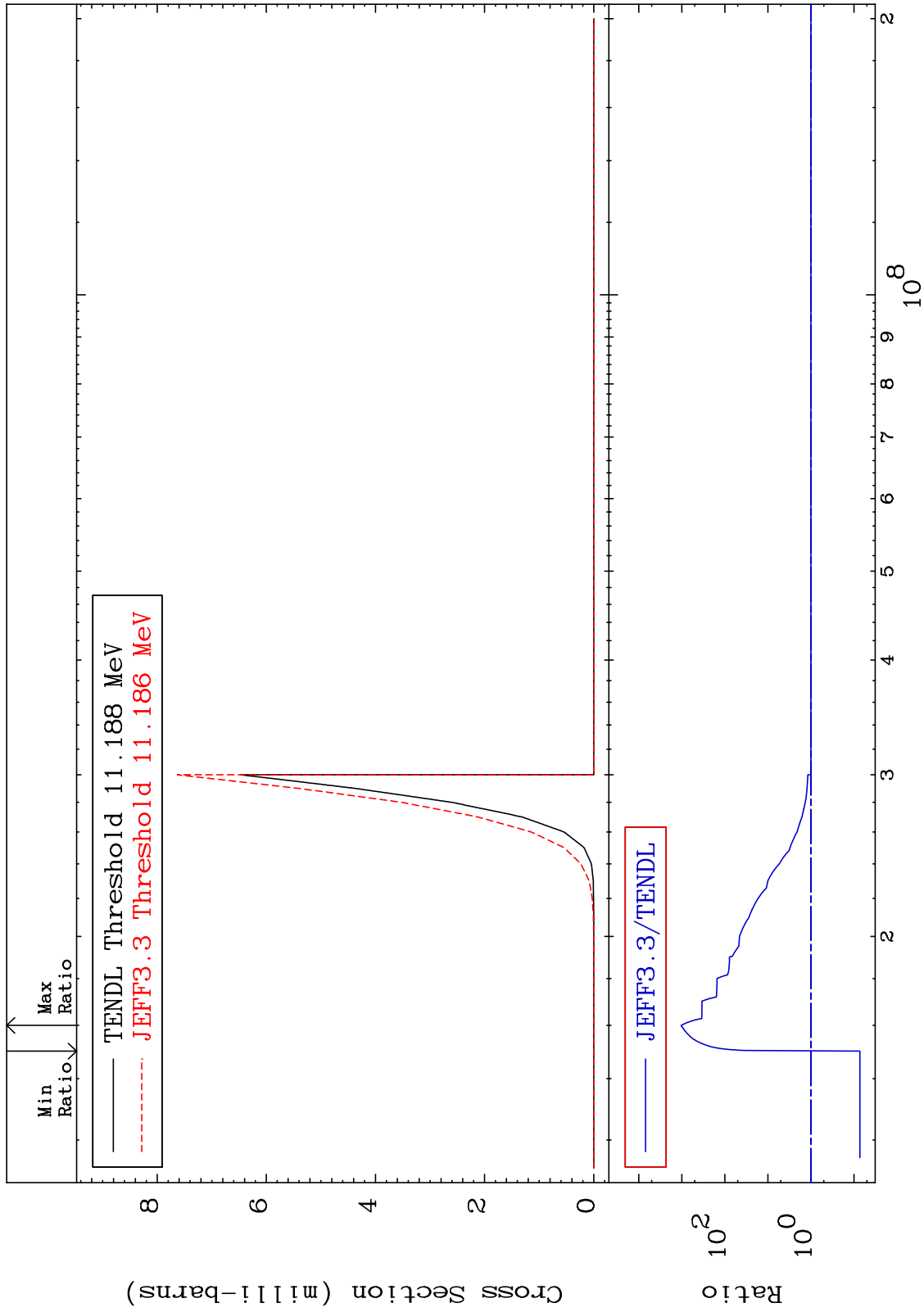
MAT 5431

(n,2n) α

54-Xe-126

Cross Section

-92.72 To 9999. %



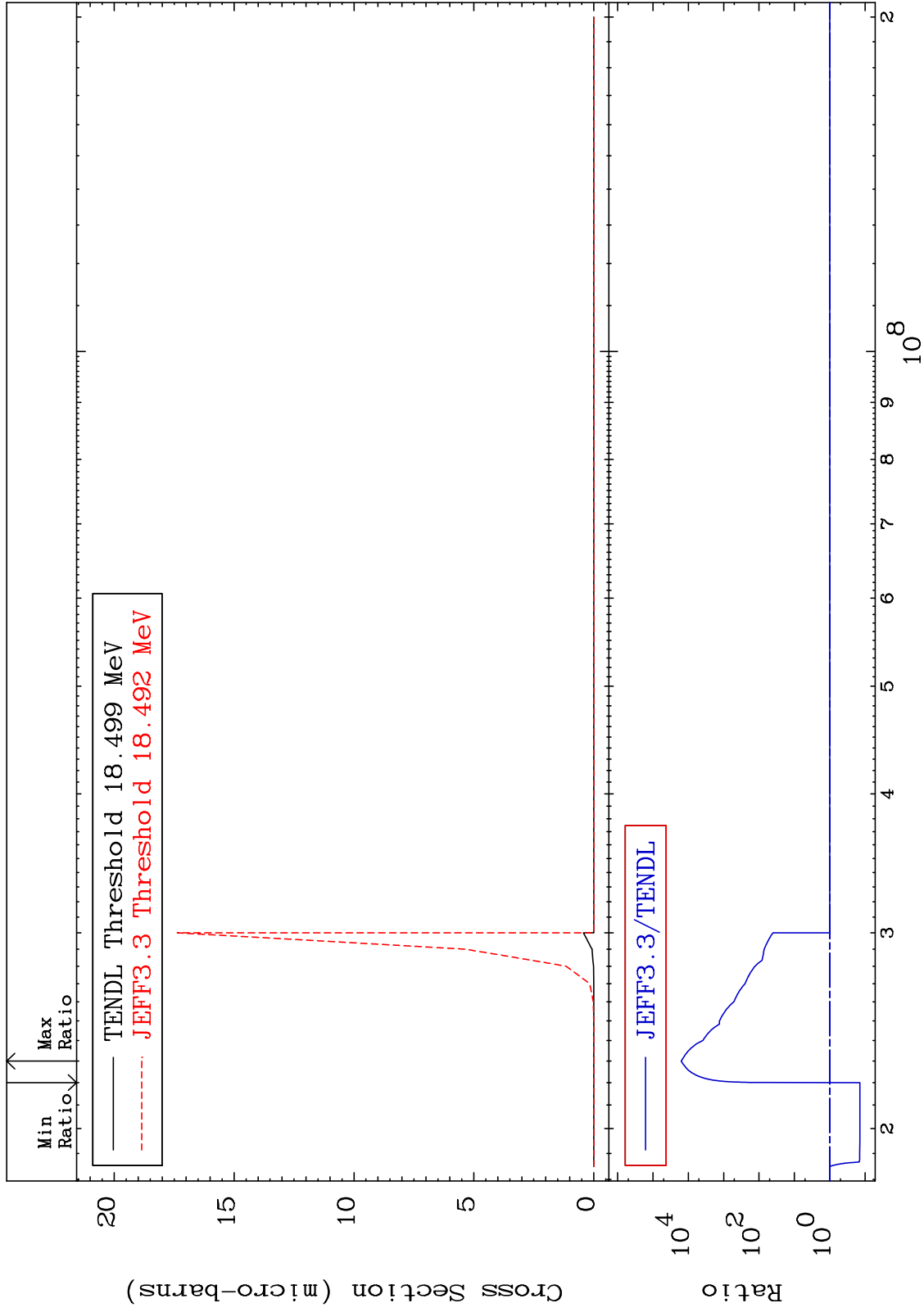
MAT 5431

(n,3n) α

54-Xe-126

Cross Section

-85.95 To 9999. %



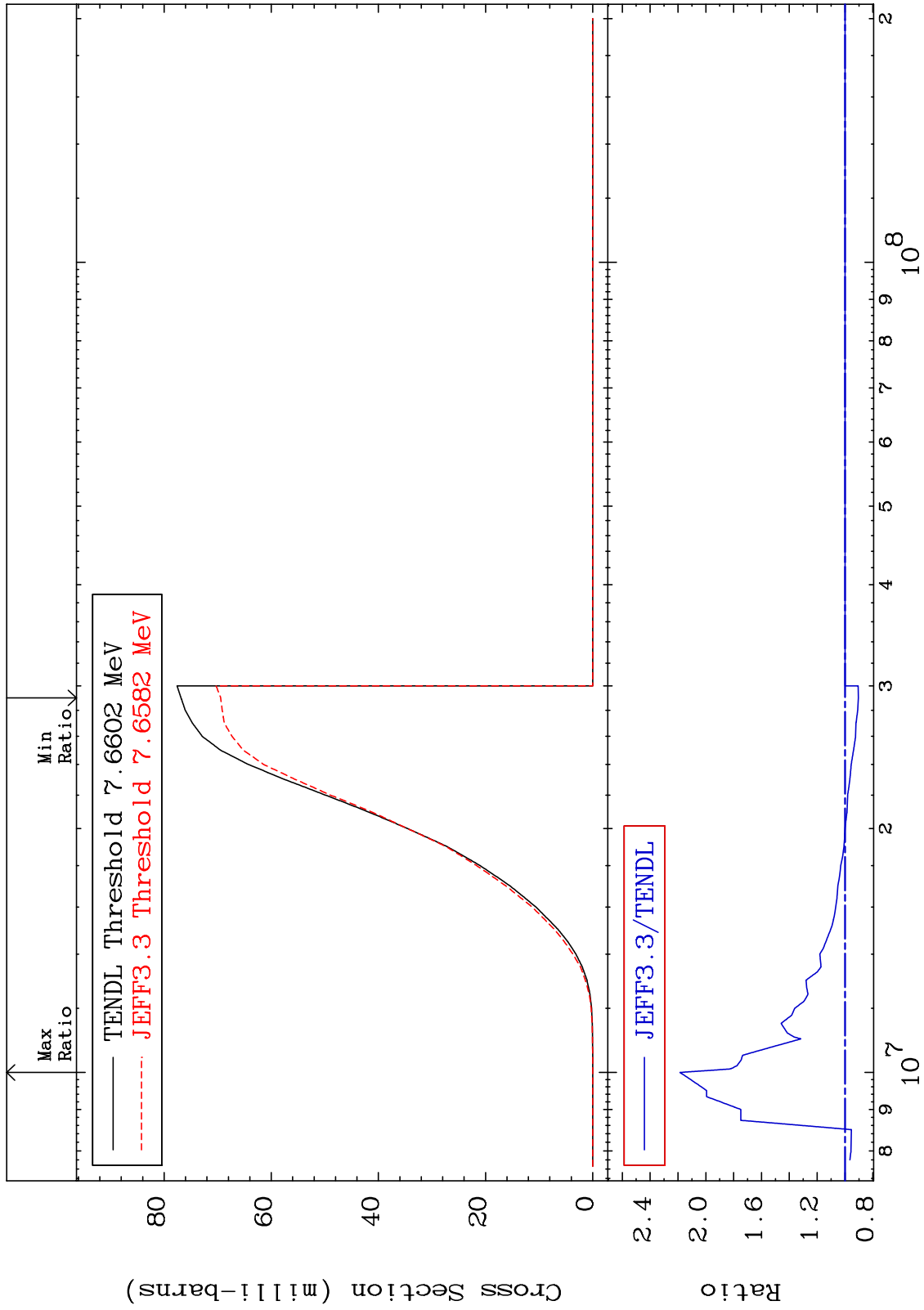
MAT 5431

(n,n') p

54-Xe-126

Cross Section

-9.634 To 118.5 %



10

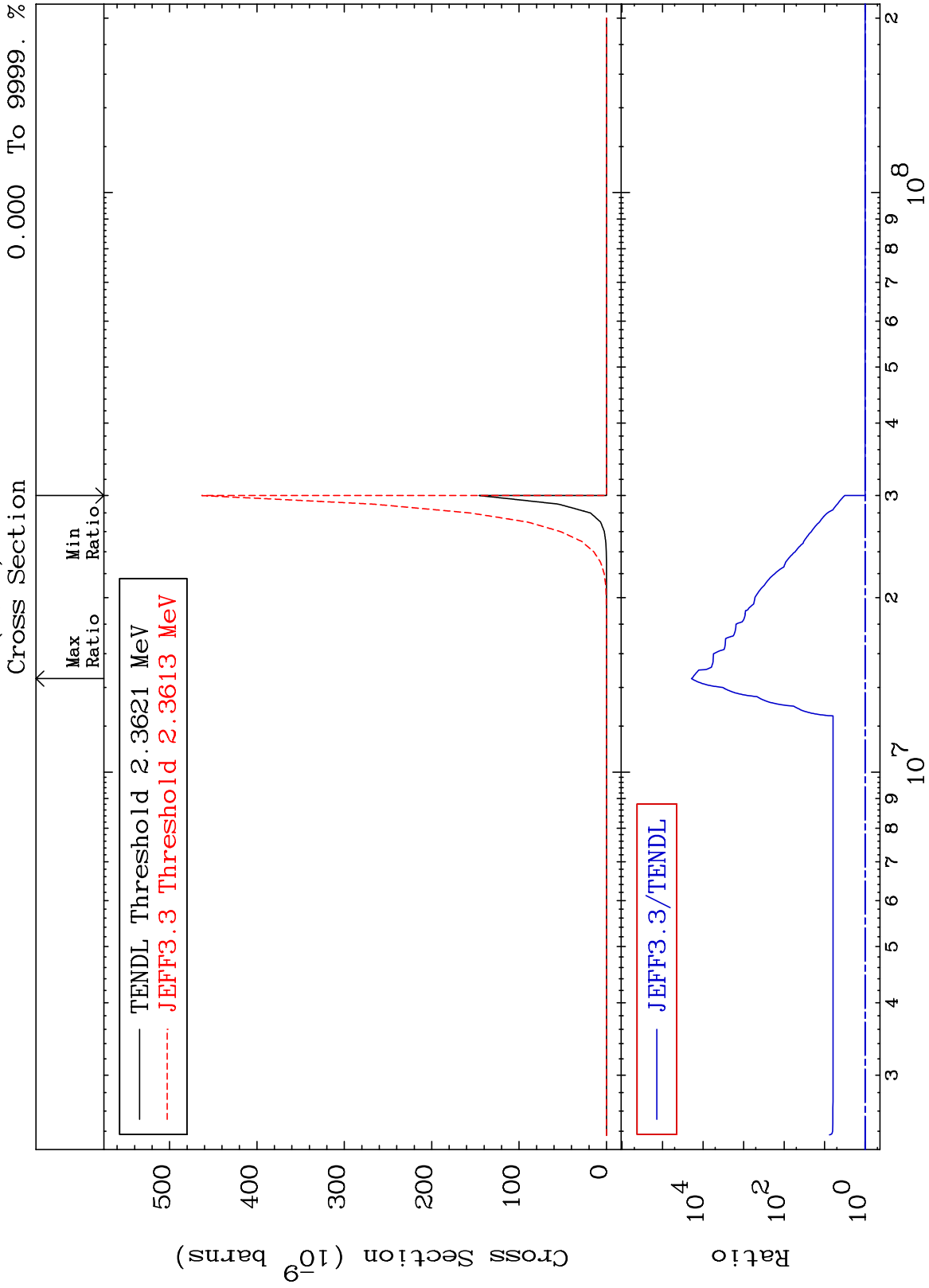
Incident Energy (eV)

54-Xe-126

MAT 5431

(n, n') 2α

54-Xe-126
To 9999. %
0.000



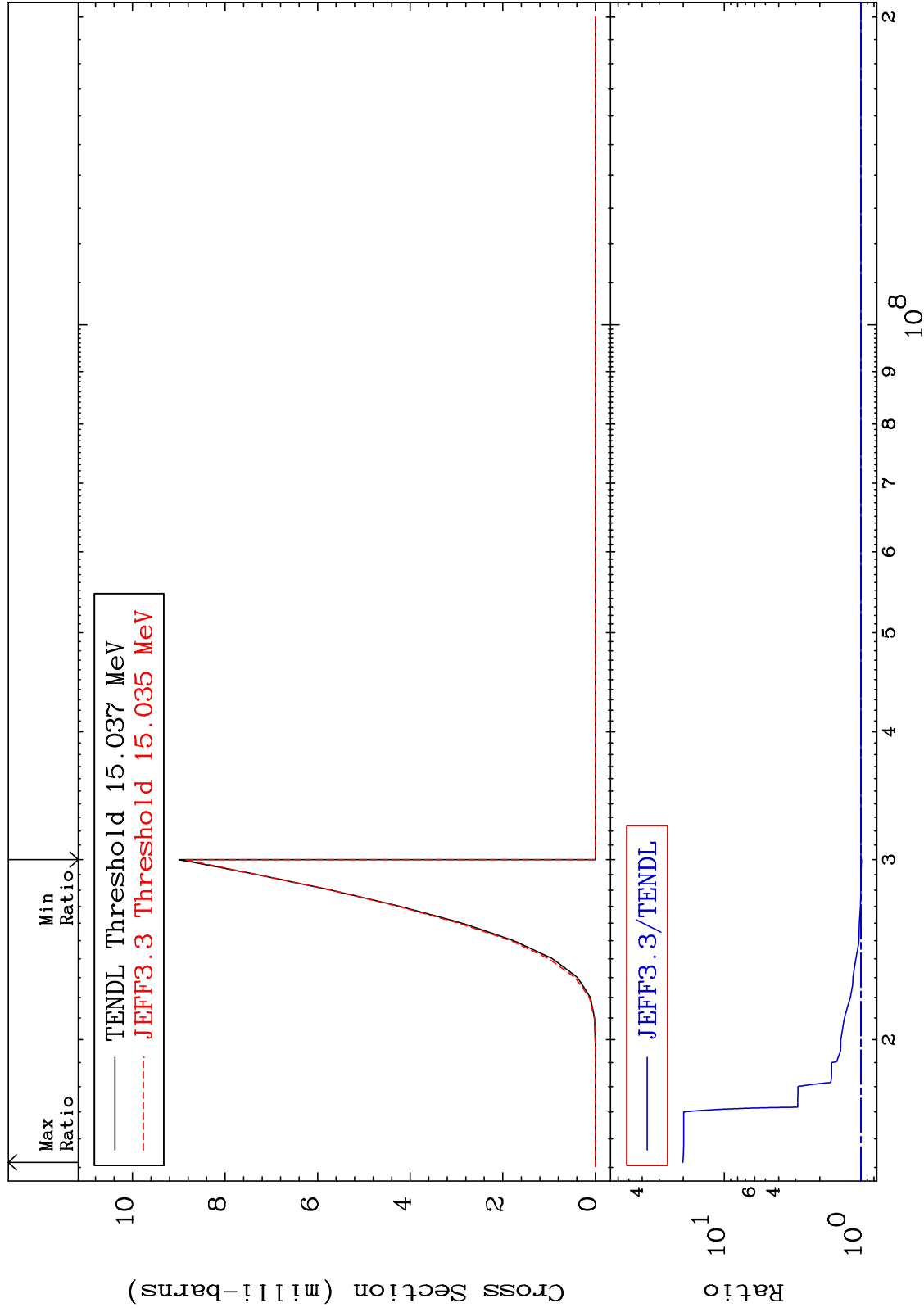
MAT 5431

(n, n') d

54-Xe-126

Cross Section

-1.208 To 1912. %



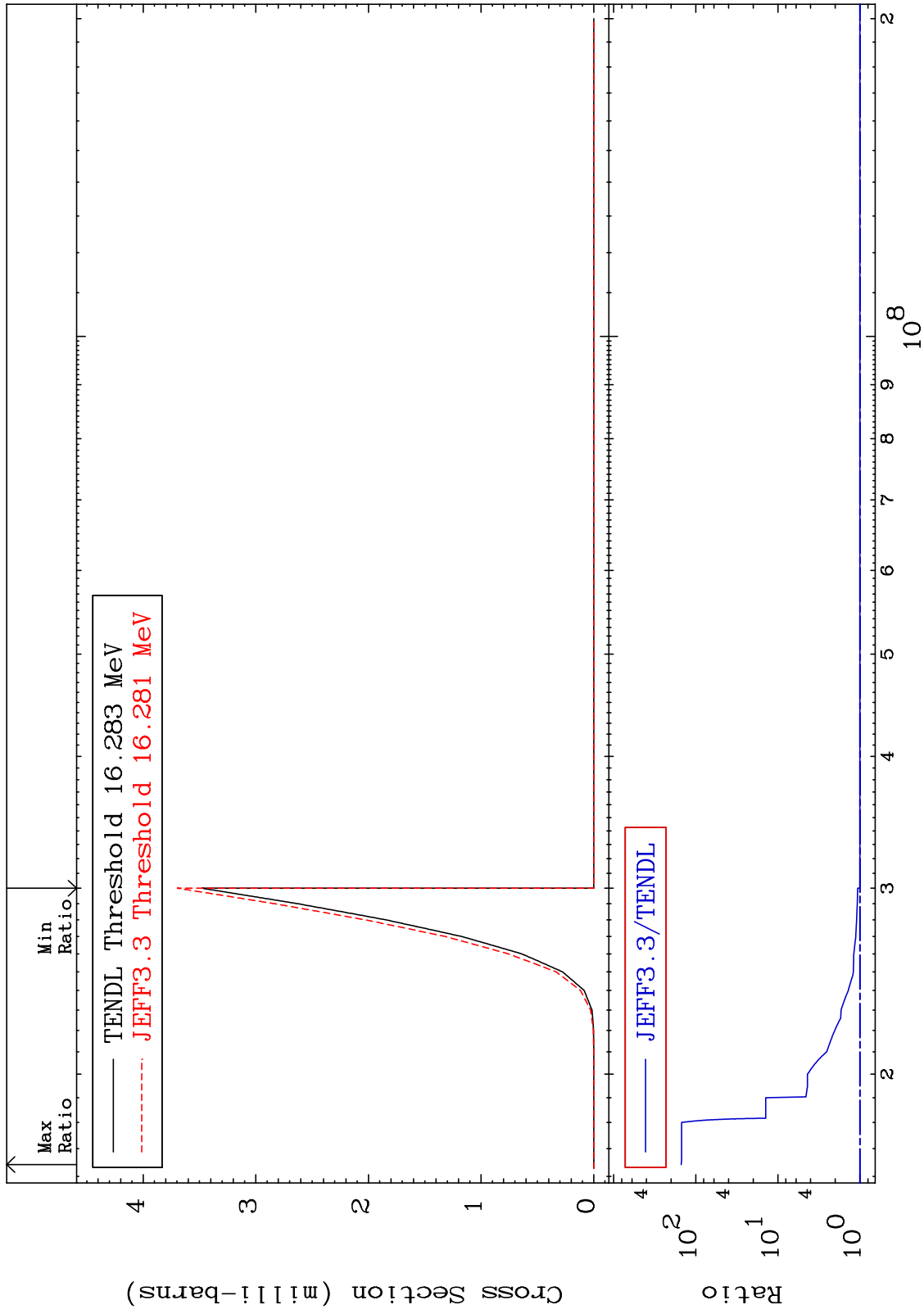
MAT 5431

(n,n') t

54-Xe-126

Cross Section

0.000 To 9999. %



54-Xe-126

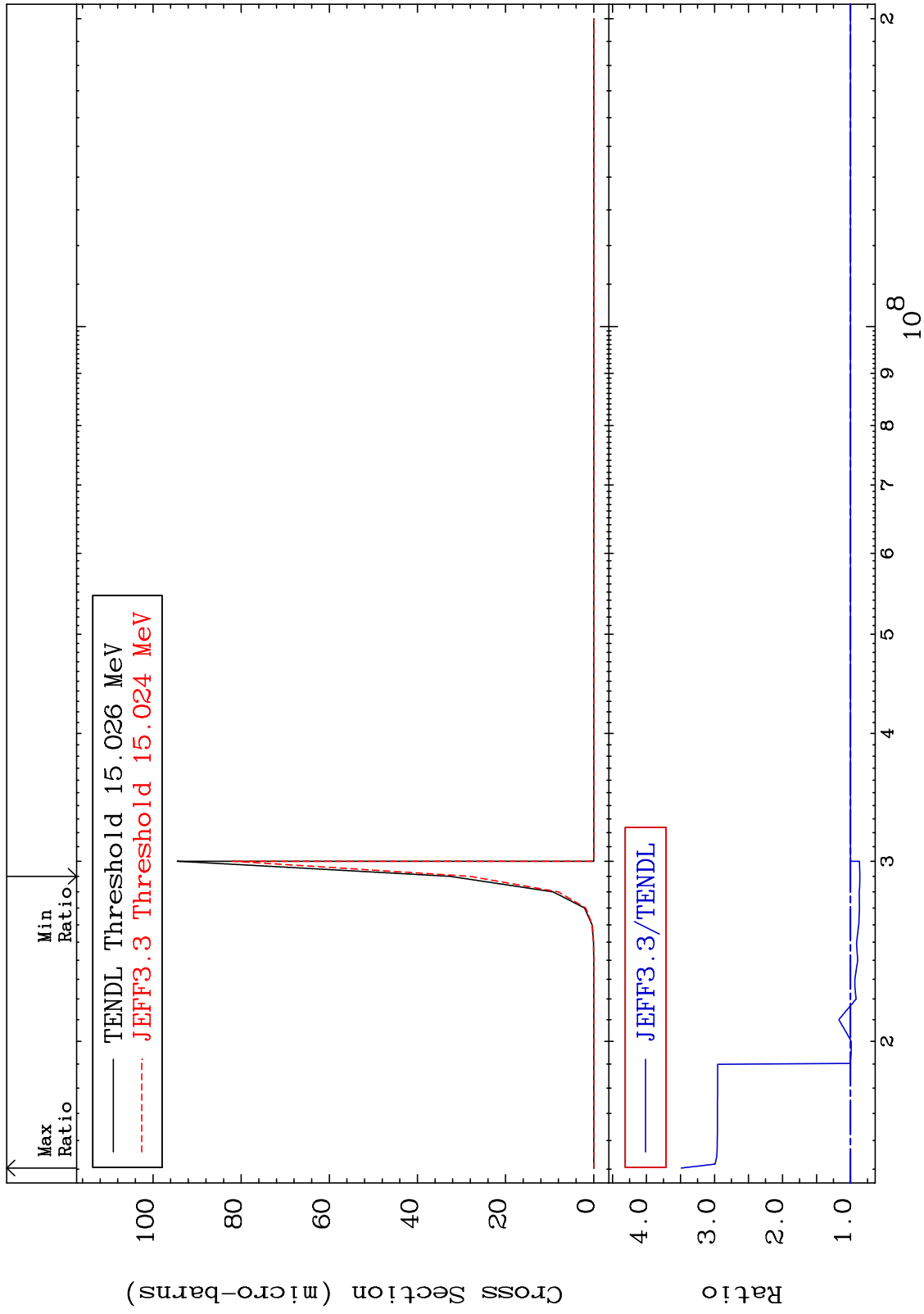
Incident Energy (eV)

13

MAT 5431

(n, n') He-3
Cross Section

54-Xe-126
-13.83 To 248.9 %



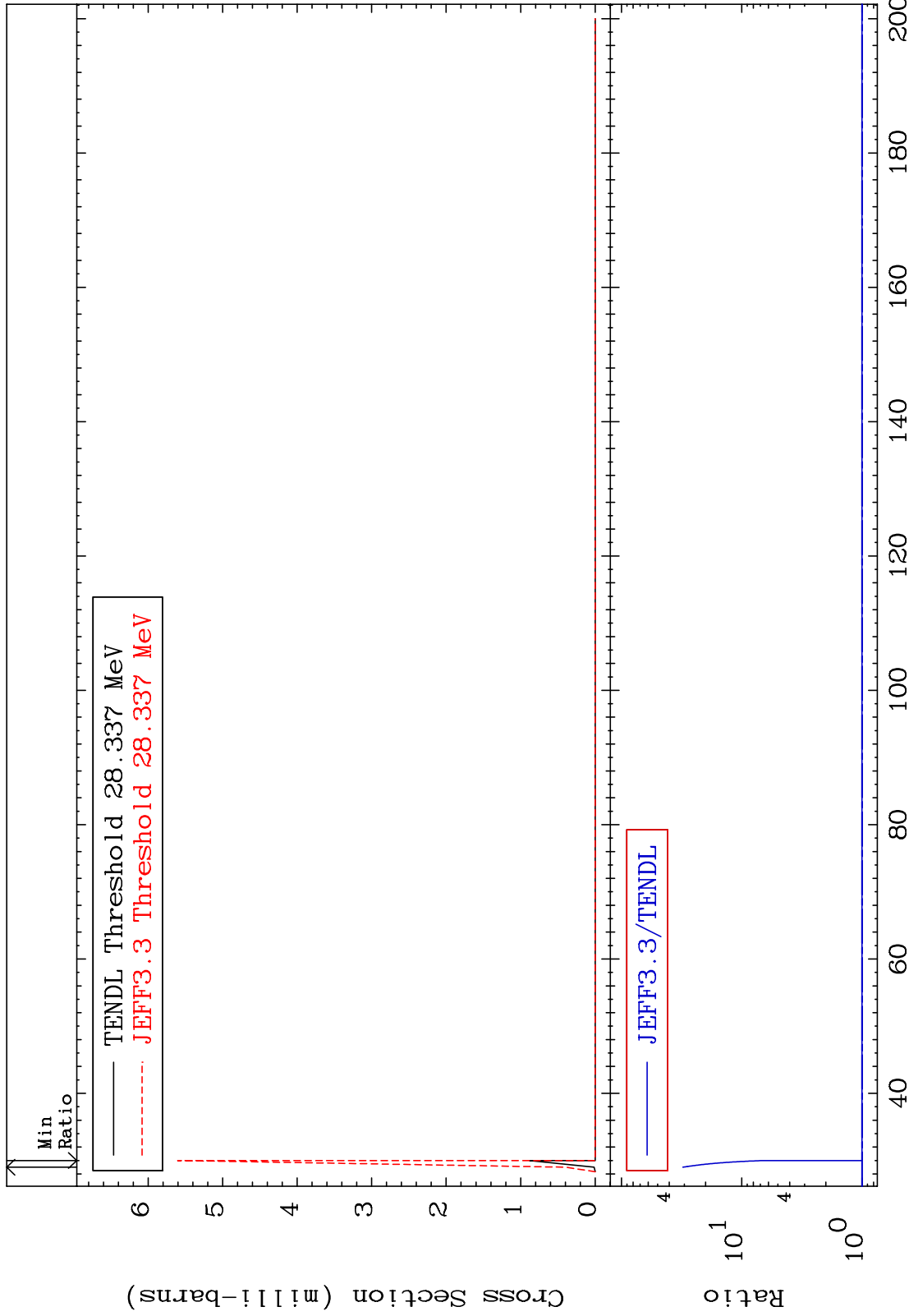
MAT 5431

(n, 4n)

54-Xe-126

Cross Section

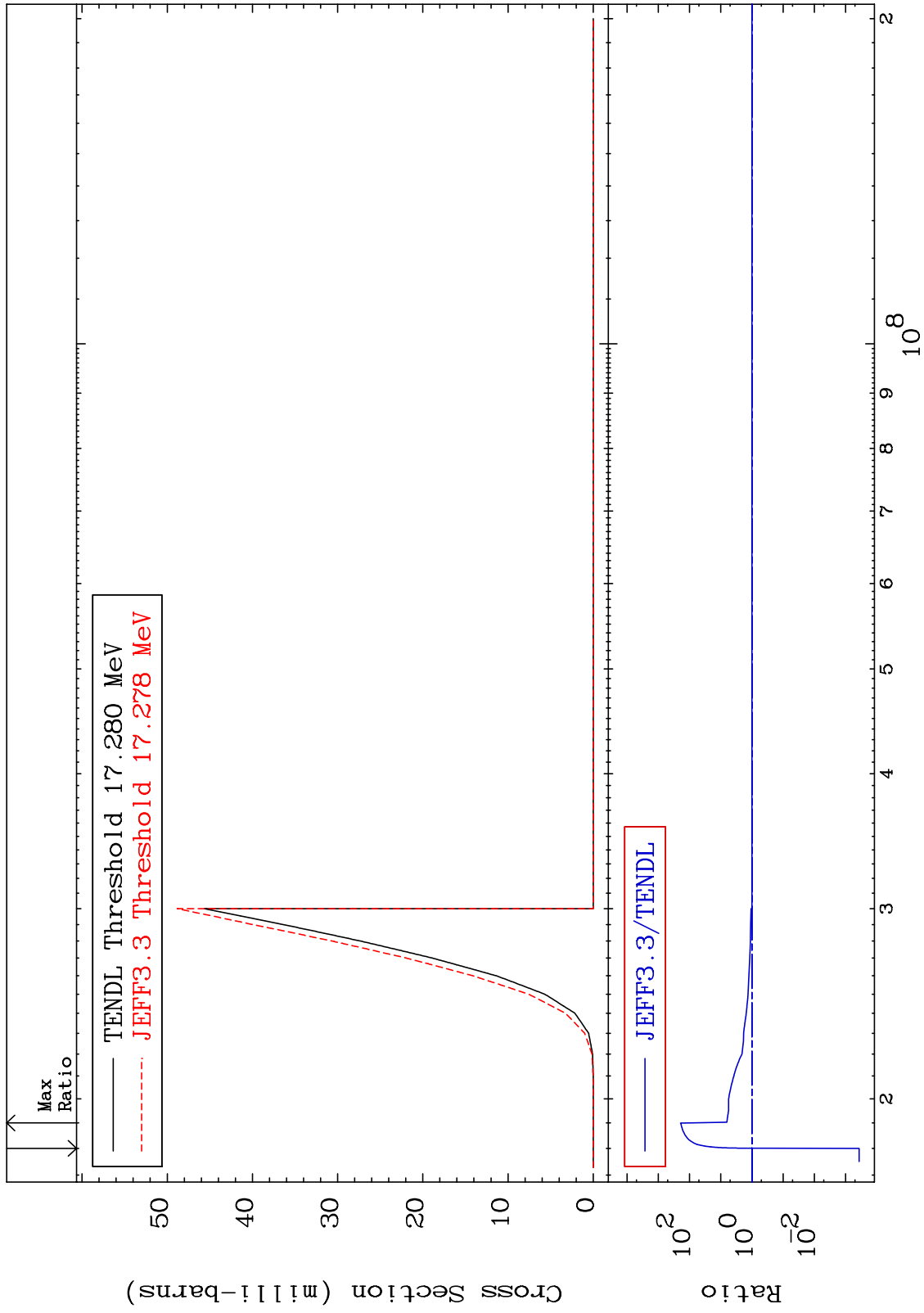
0.000 To 2984. %



MAT 5431

(n,2n) p
Cross Section

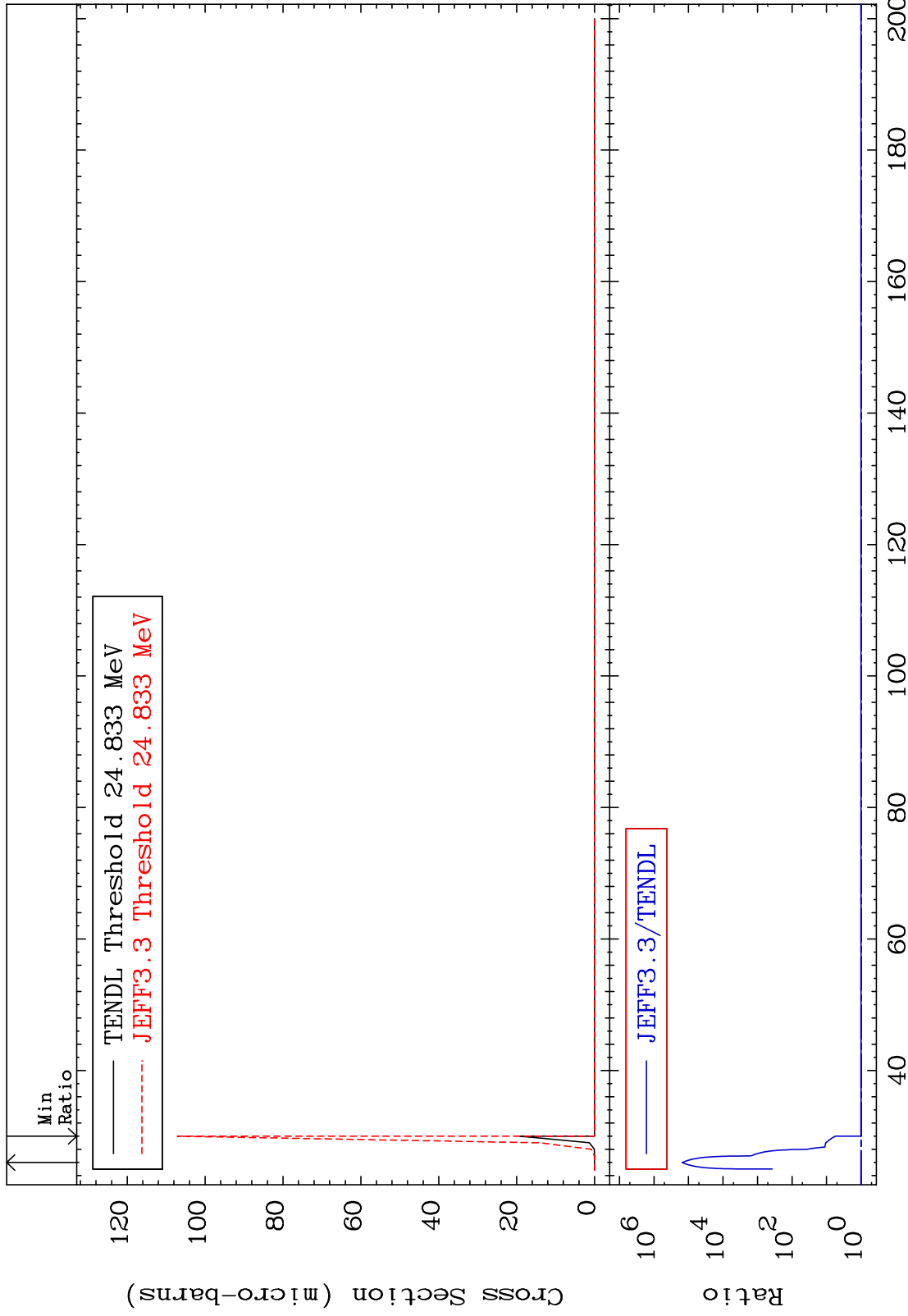
54-Xe-126
-99.96 To 9999. %



MAT 5431

(n,3n) p
Cross Section

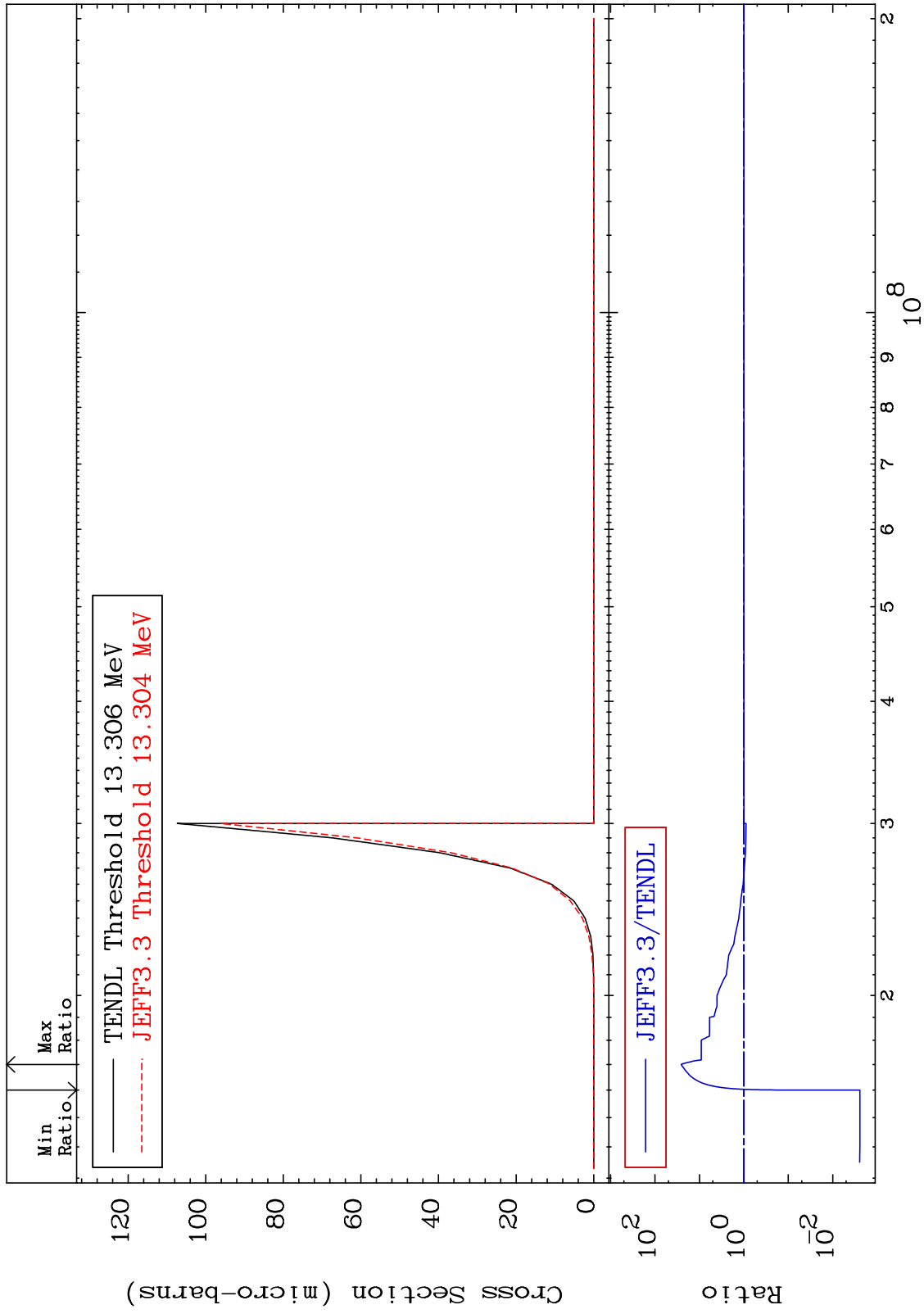
54-Xe-126
0.000 To 9999. %



MAT 5431

(n,2n) p
Cross Section

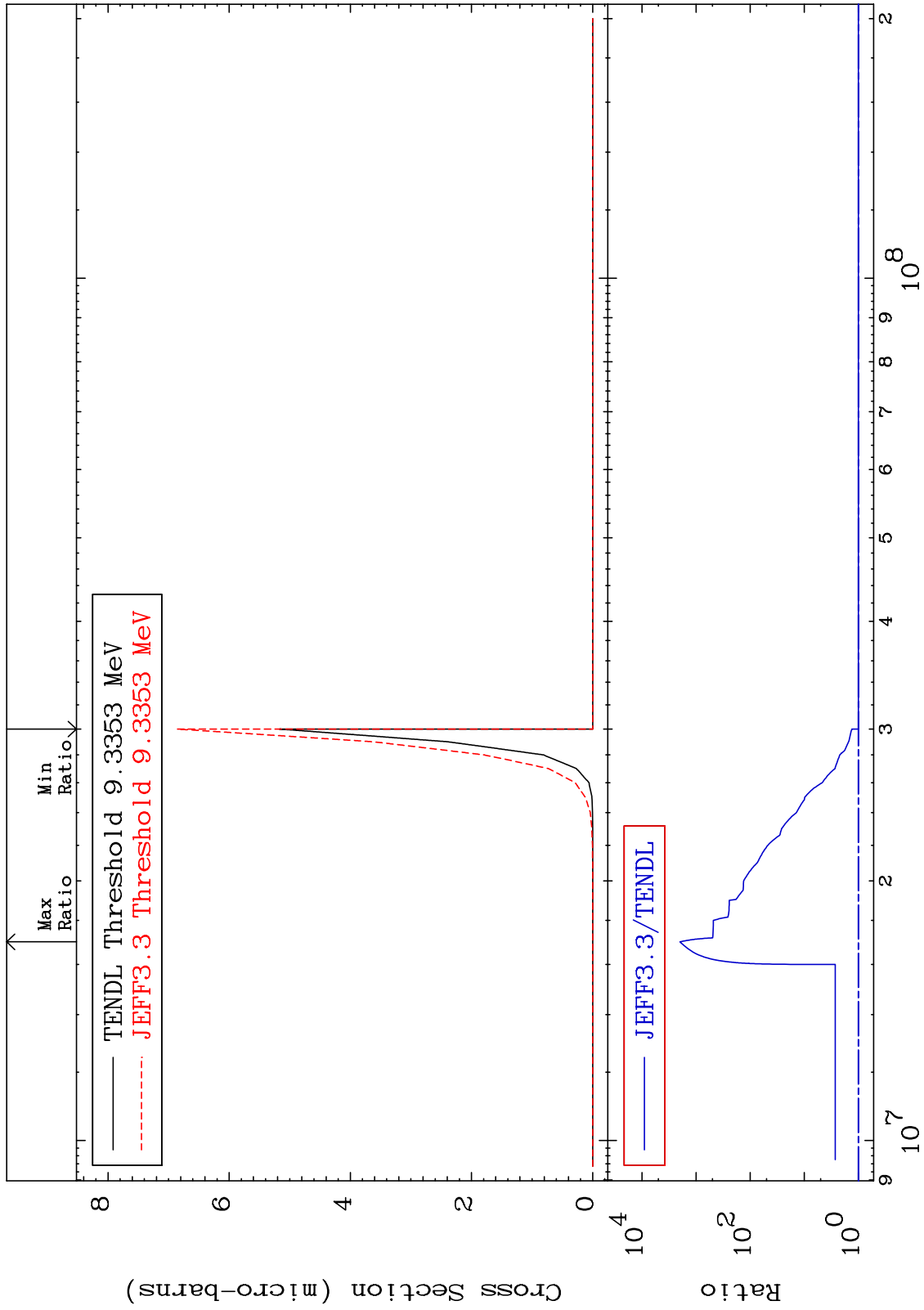
54-Xe-126
-99.76 To 2473. %



MAT 5431

(n,n') p α
Cross Section

54-Xe-126
0.000 To 9999. %



54-Xe-126

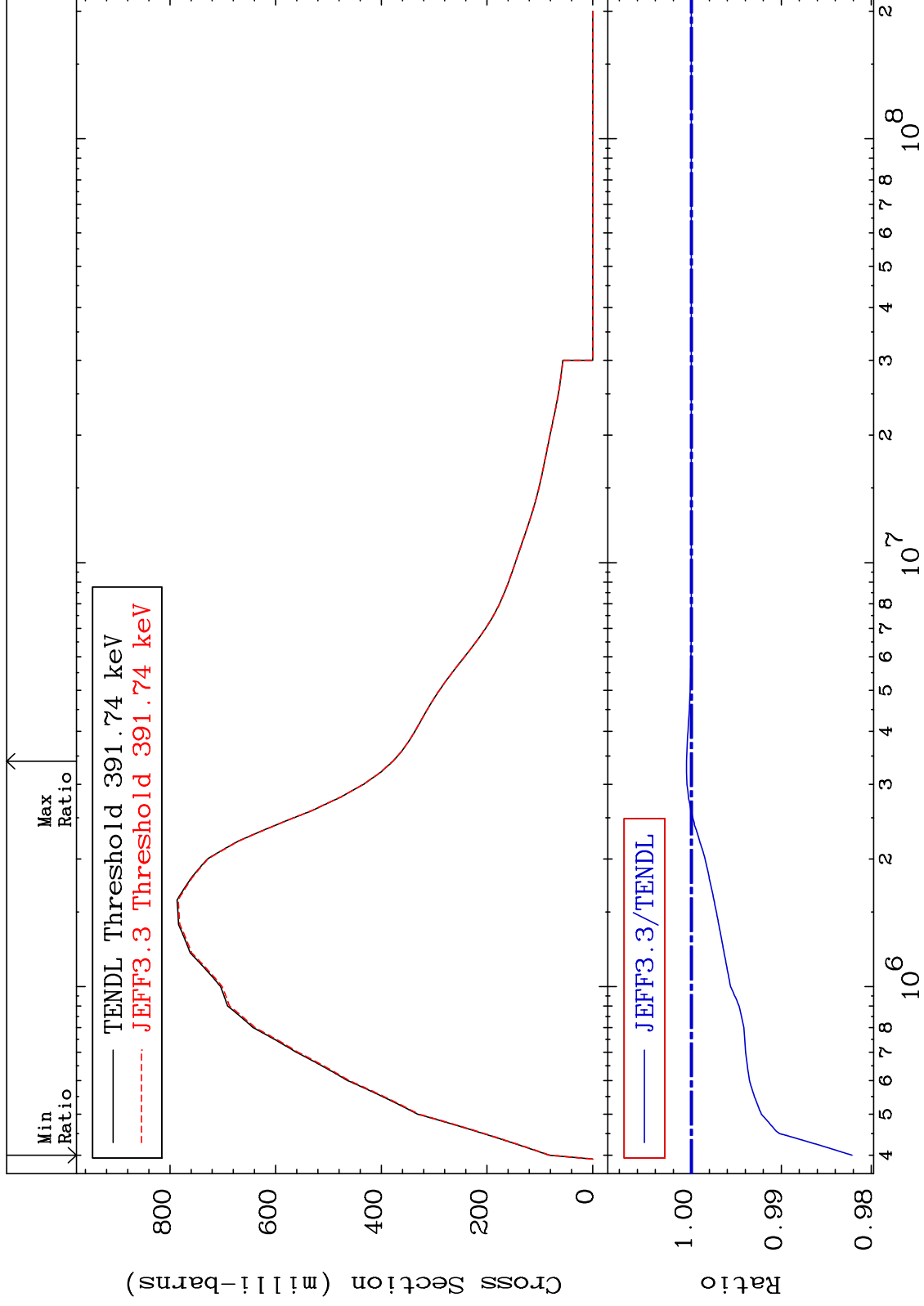
Incident Energy (eV)

19

MAT 5431

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

54-Xe-126
-1.784 To 0.055 %



20

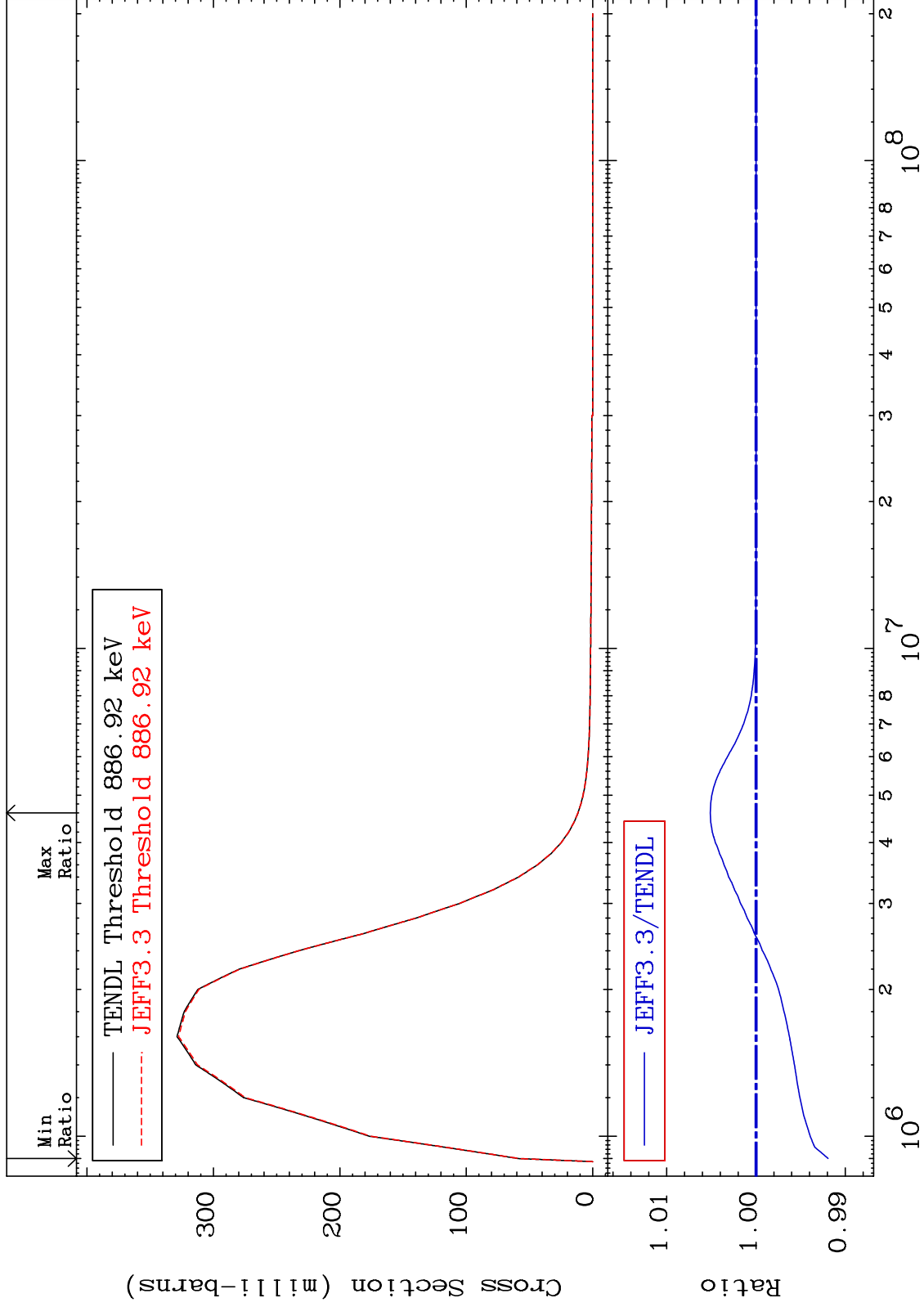
Incident Energy (eV)

54-Xe-126

MAT 5431

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

54-Xe-126
-0.807 To 0.511 %



21

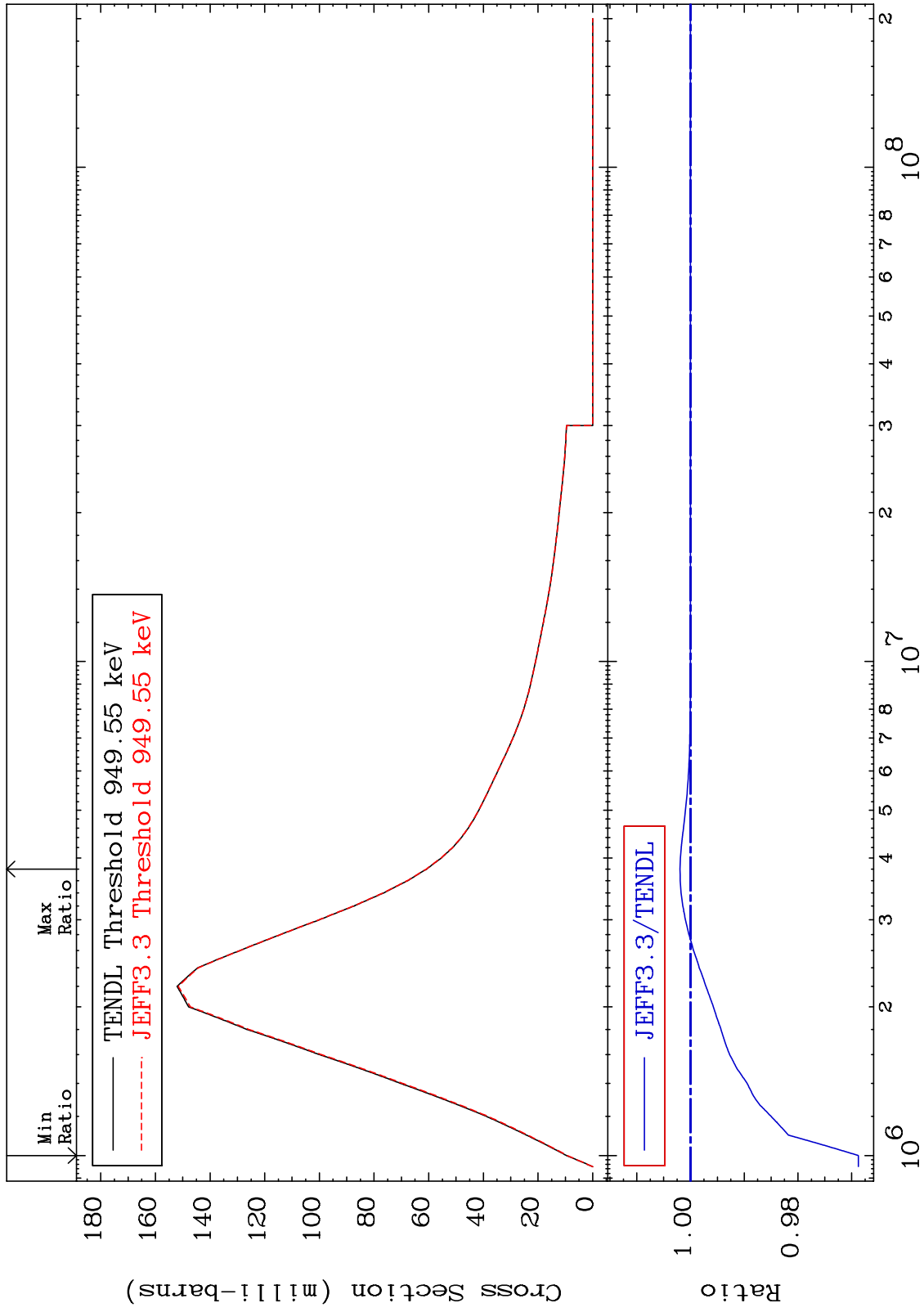
Incident Energy (eV)

54-Xe-126

MAT 5431

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

54-Xe-126
-3.126 To 0.195 %



22

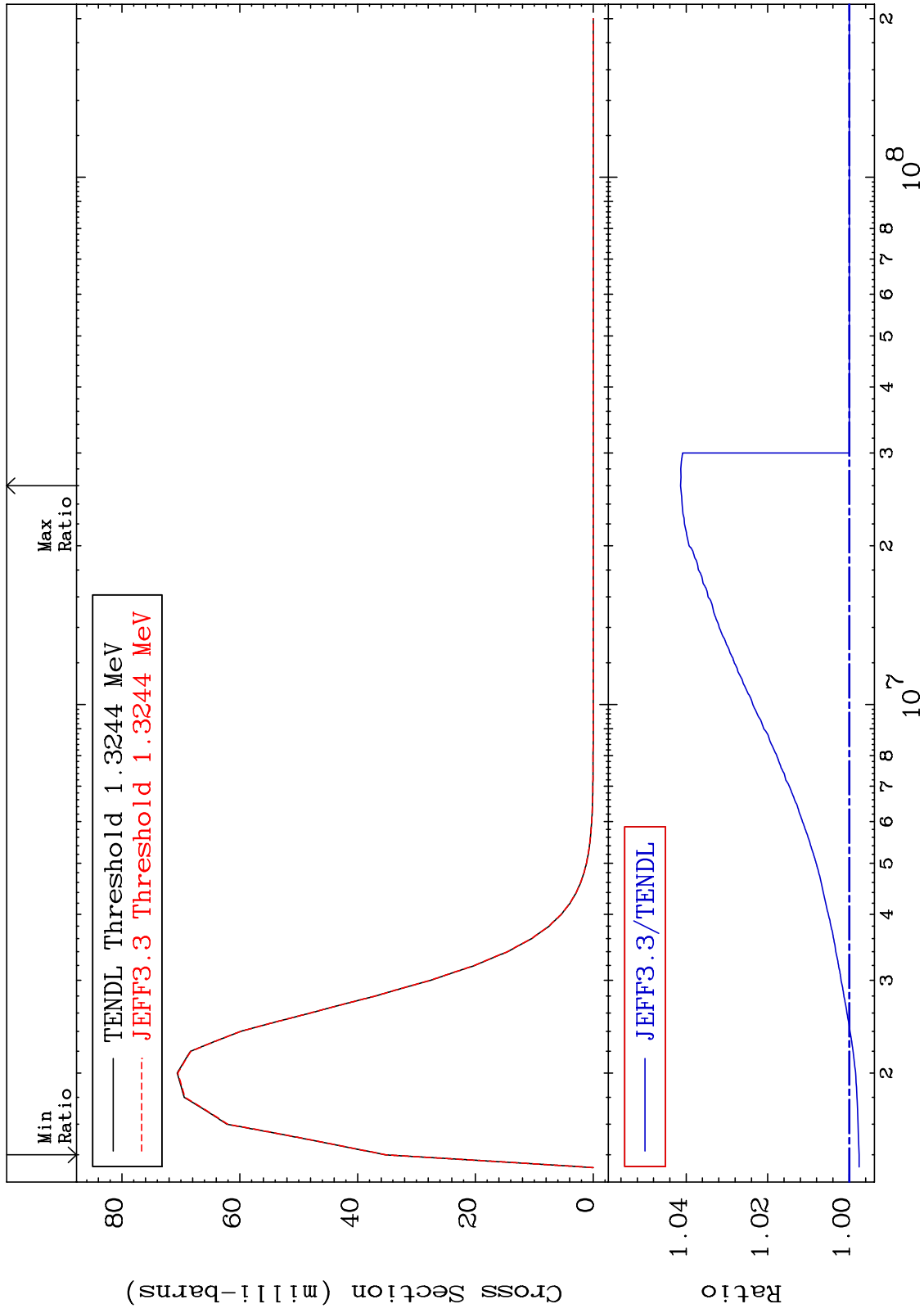
Incident Energy (eV)

54-Xe-126

MAT 5431

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

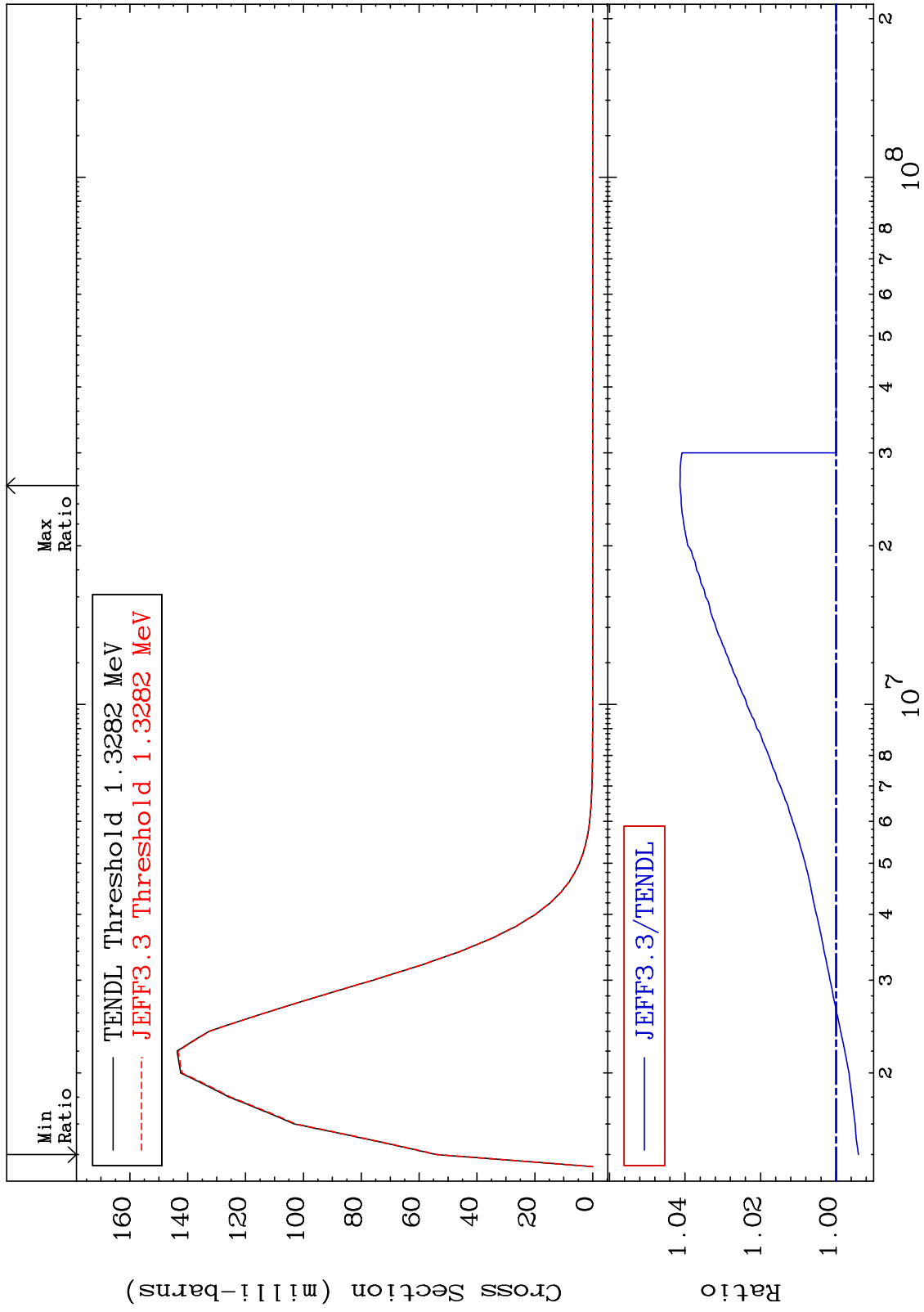
54-Xe-126
-0.242 To 4.136 %



MAT 5431

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

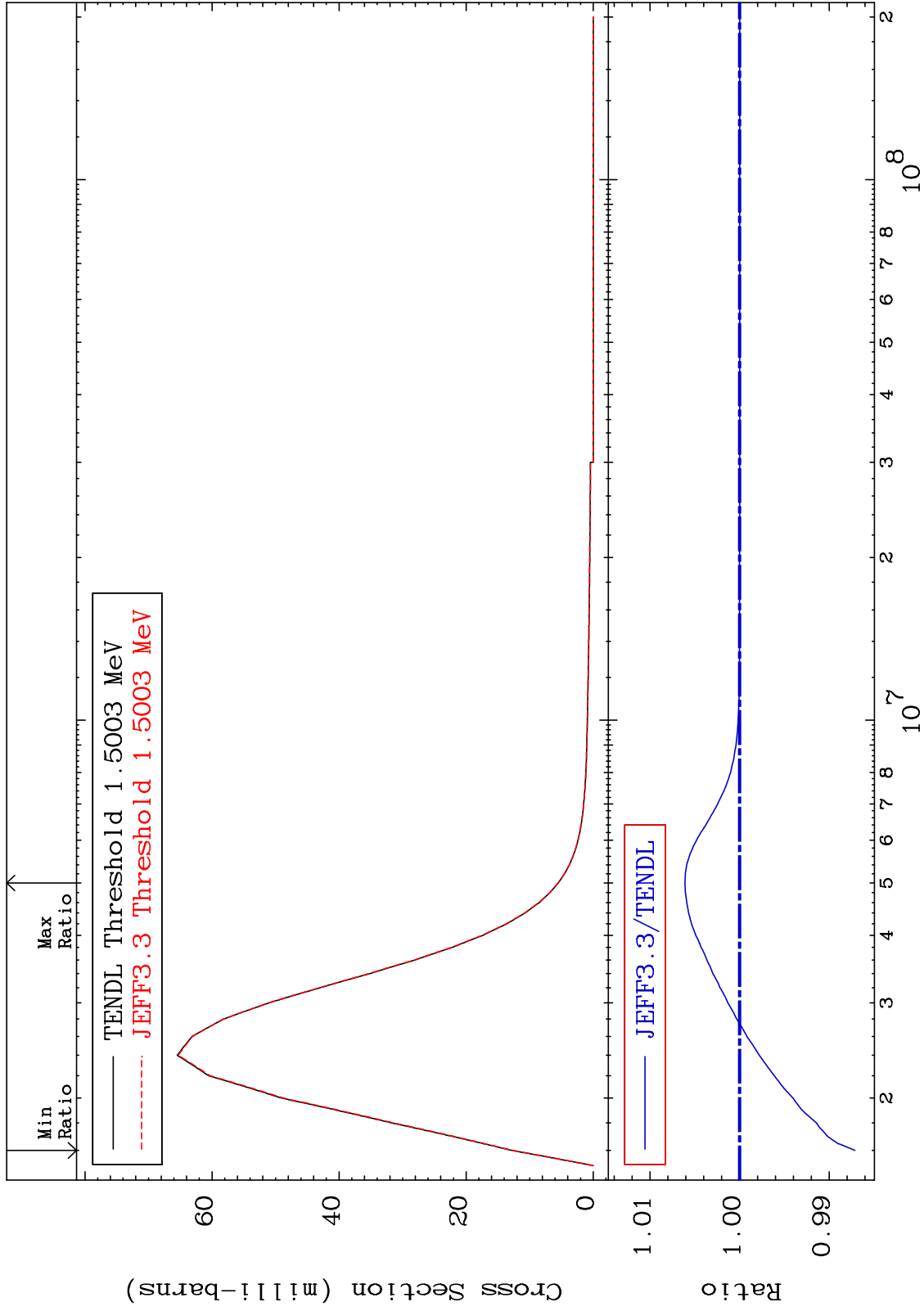
54-Xe-126
-0.591 To 4.134 %



MAT 5431

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

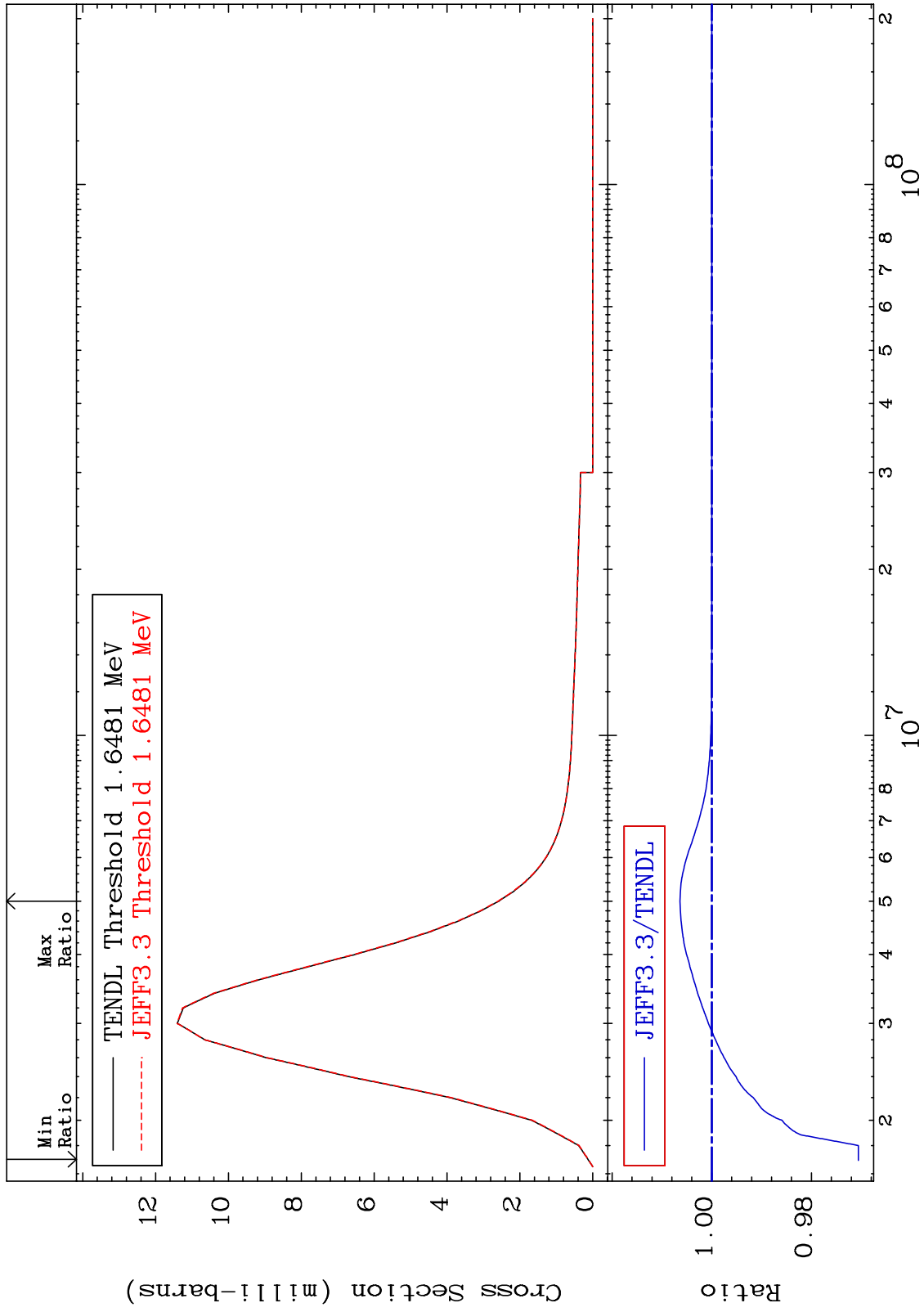
54-Xe-126
-1.288 To 0.612 %



MAT 5431

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

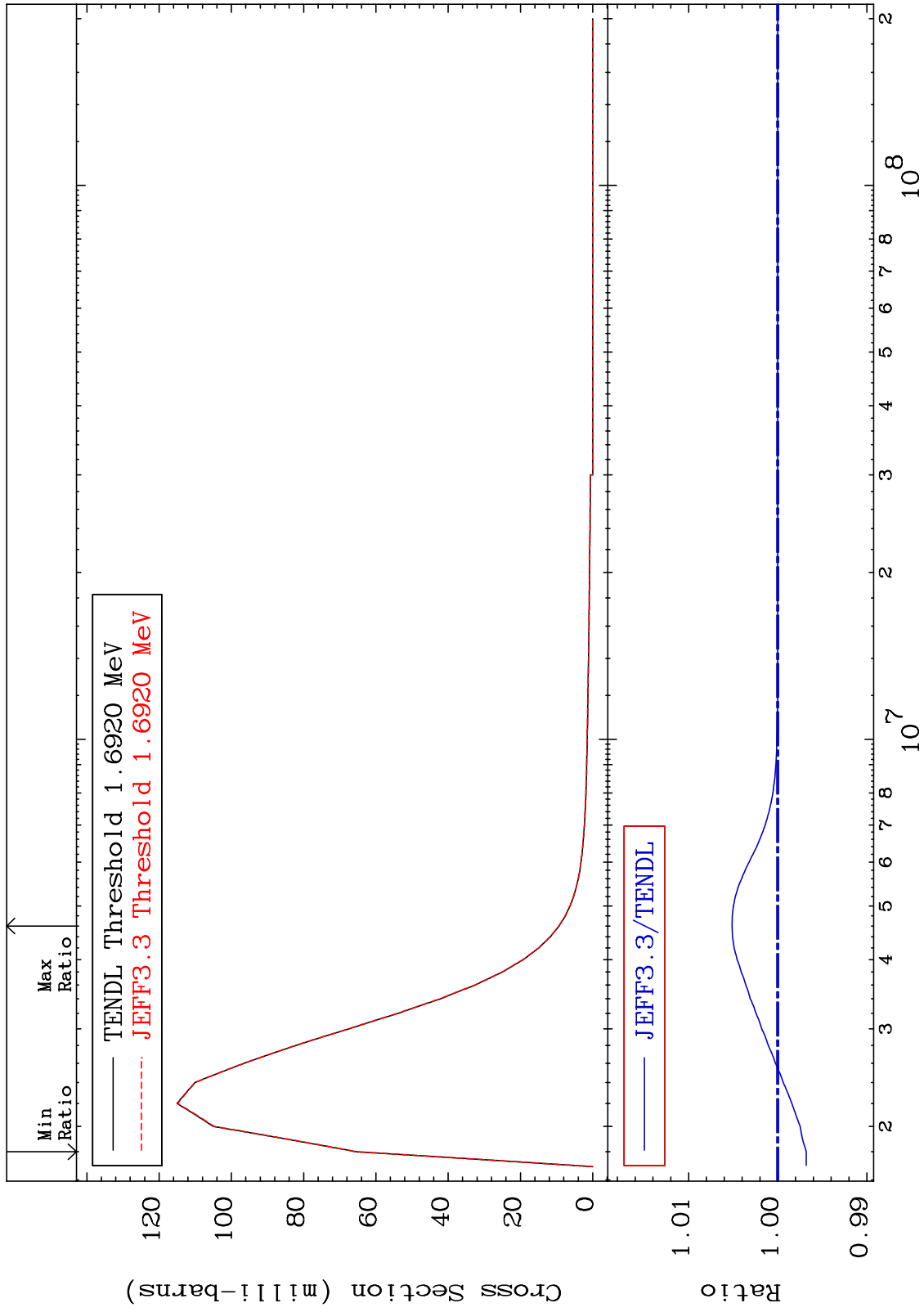
54-Xe-126
-2.943 To 0.637 %



MAT 5431

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

54-Xe-126
-0.321 To 0.511 %



27

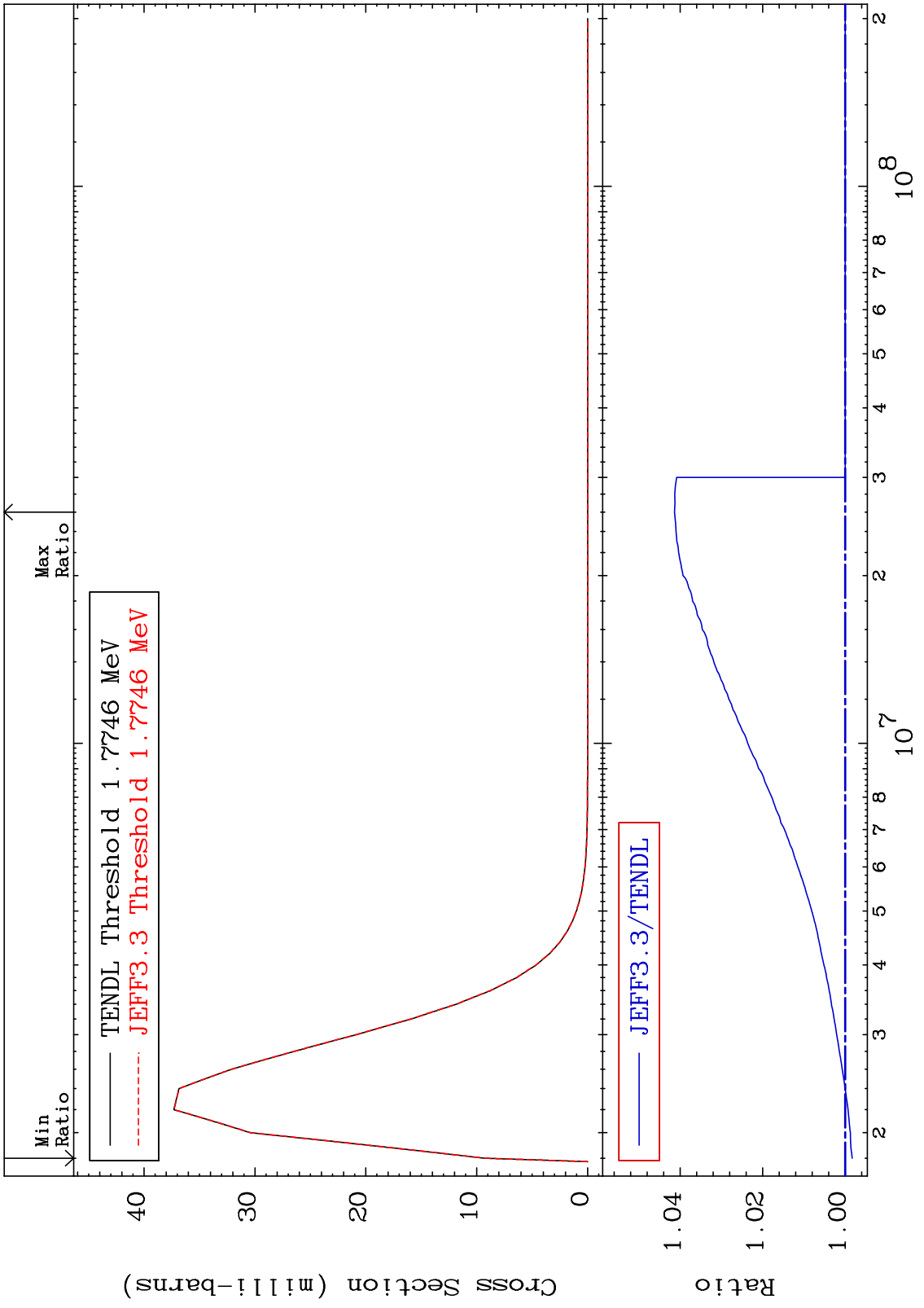
54-Xe-126

54-Xe-126

MAT 5431

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

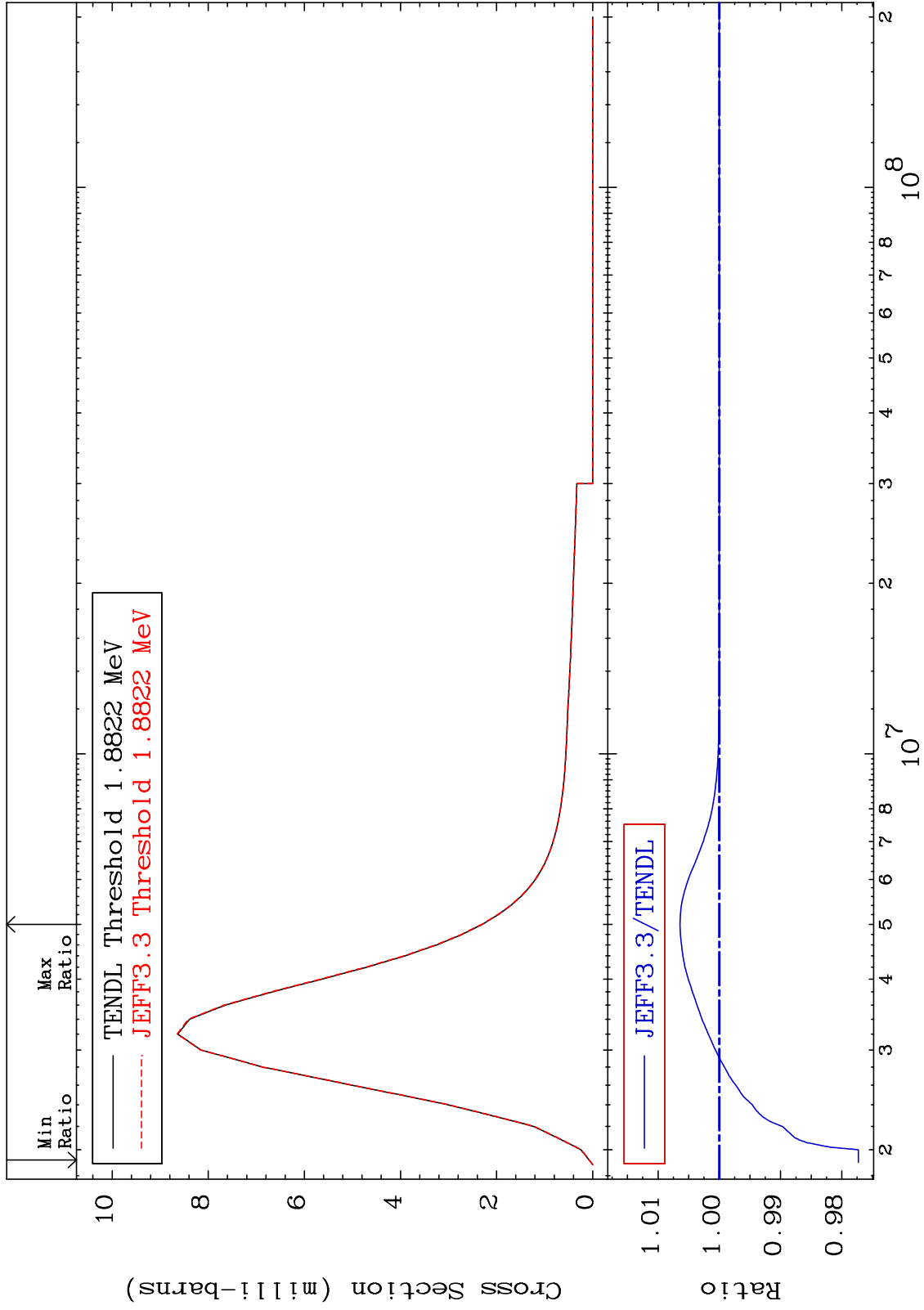
54-Xe-126
-0.170 To 4.137 %



MAT 5431

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

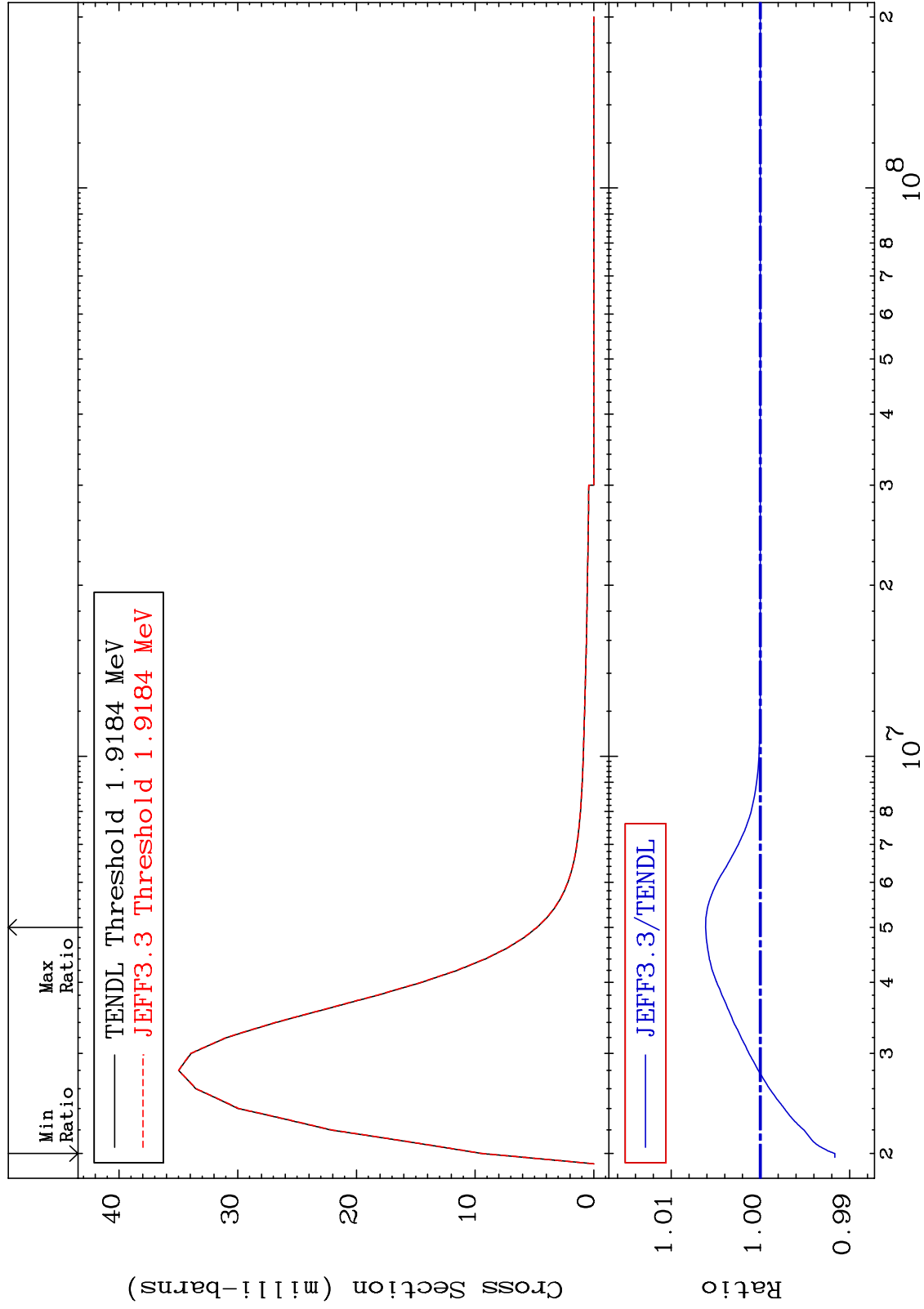
54-Xe-126
-2.271 To 0.641 %



MAT 5431

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

54-Xe-126
-0.834 To 0.614 %



30

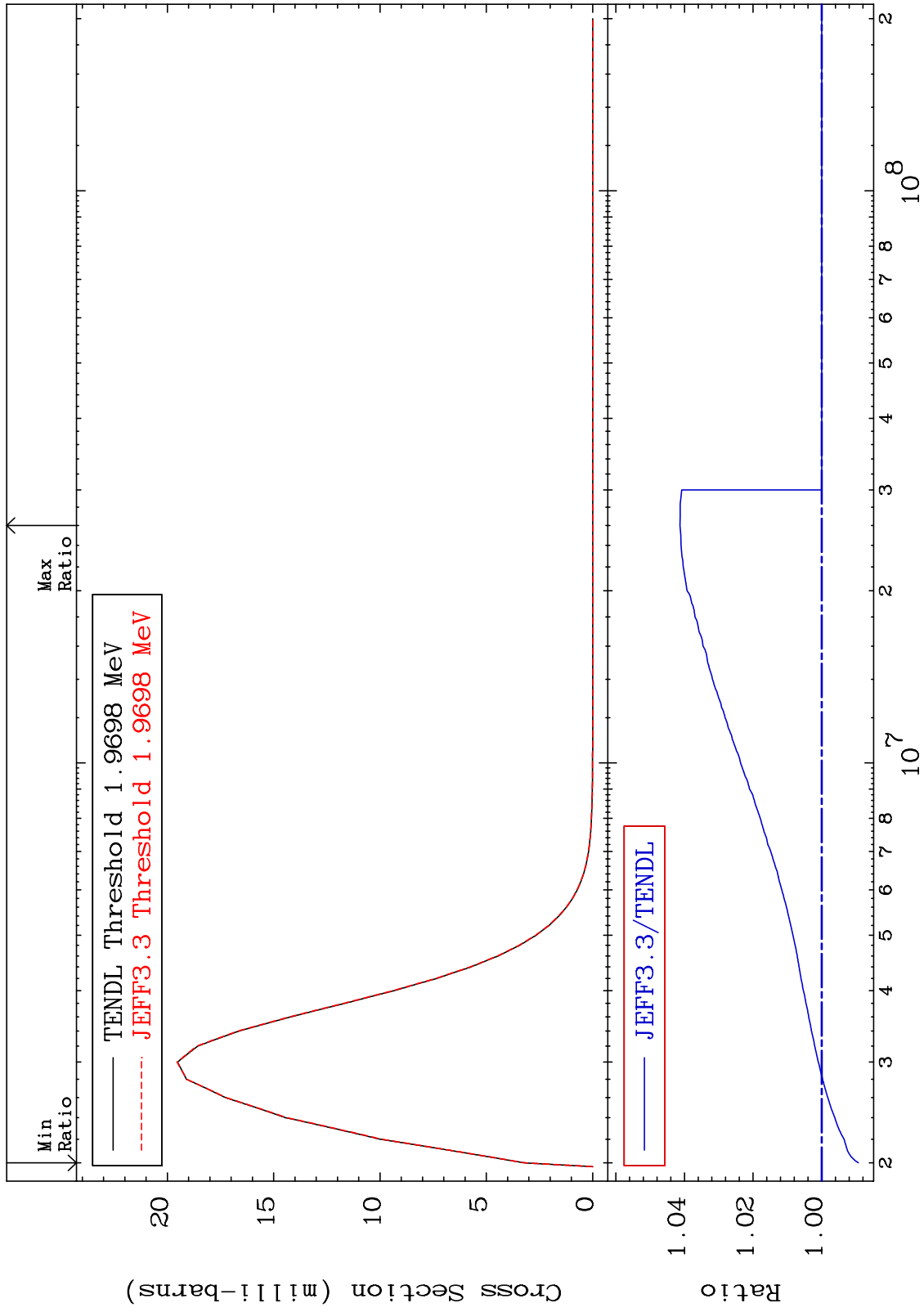
Incident Energy (eV)

54-Xe-126

MAT 5431

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

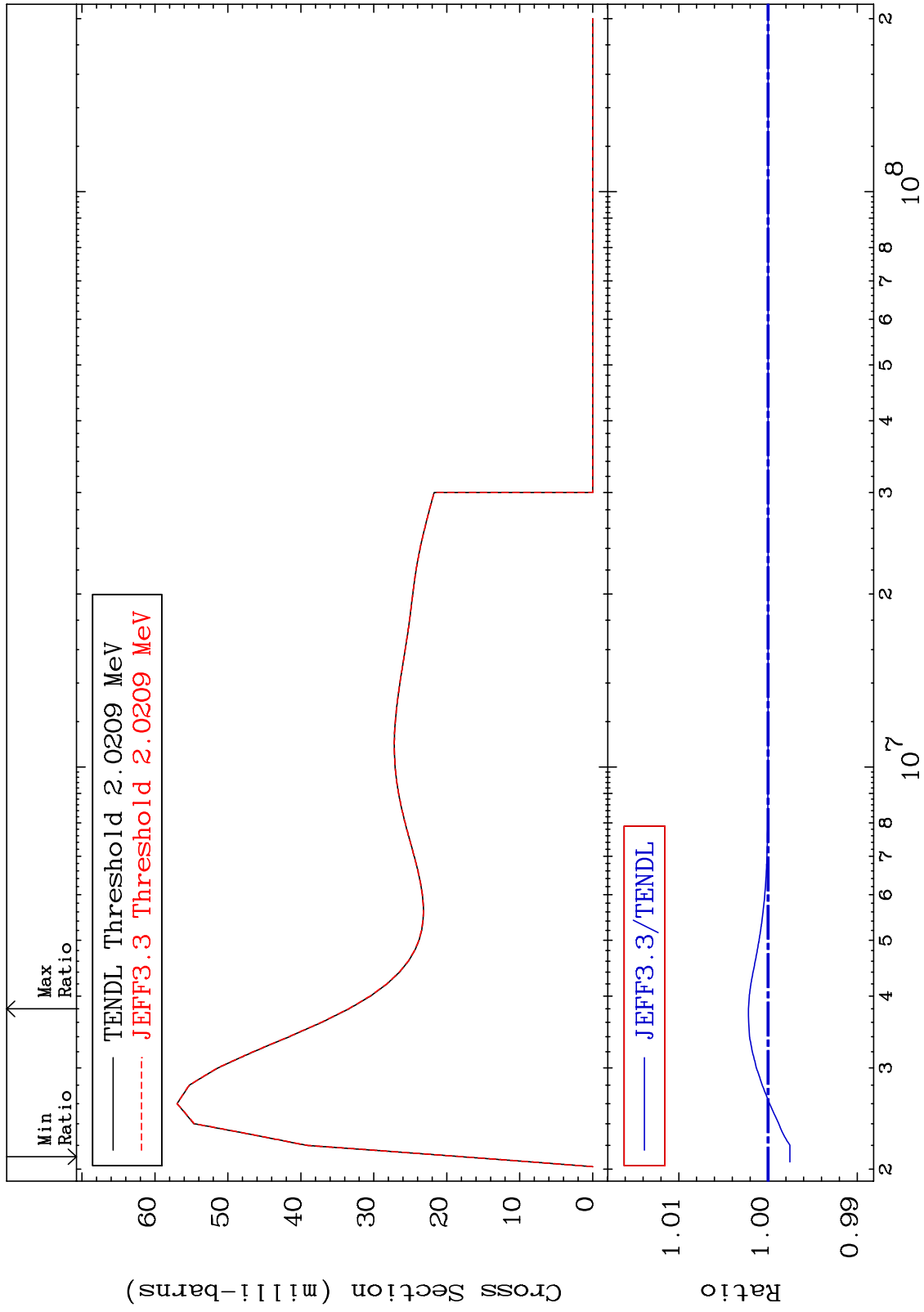
54-Xe-126
-1.069 To 4.129 %



MAT 5431

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

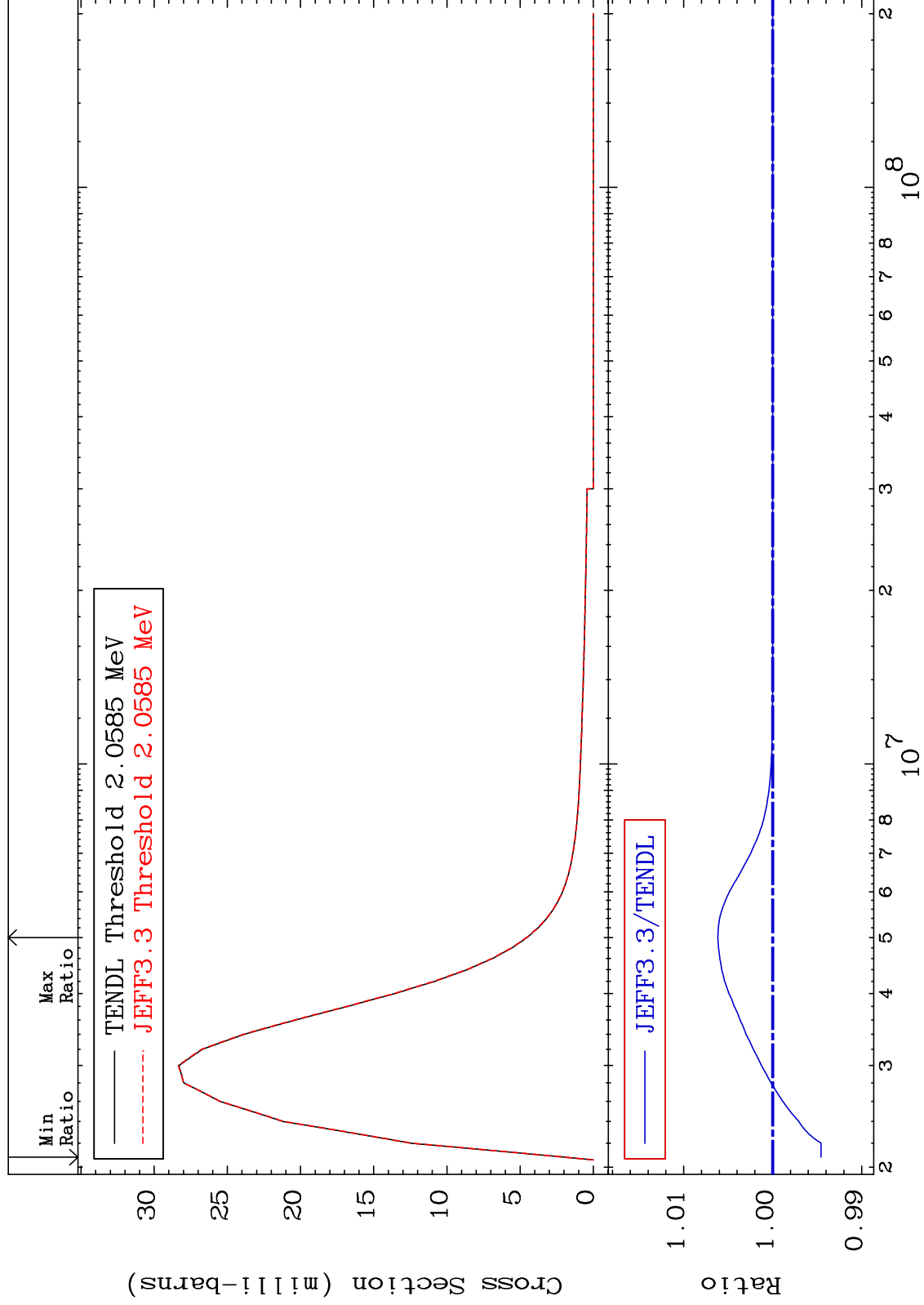
54-Xe-126
-0.246 To 0.219 %



MAT 5431

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

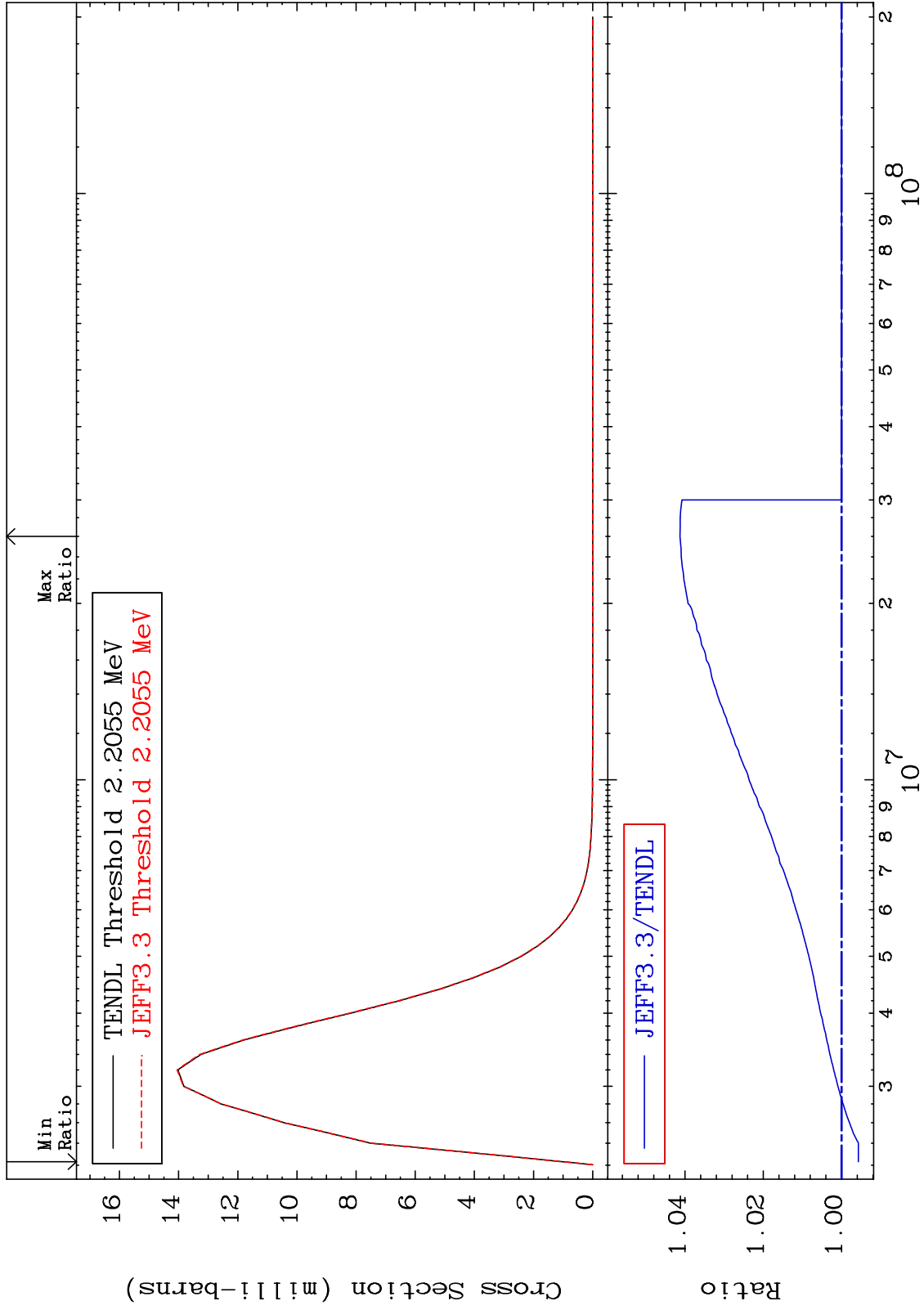
54-Xe-126
-0.544 To 0.616 %



MAT 5431

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

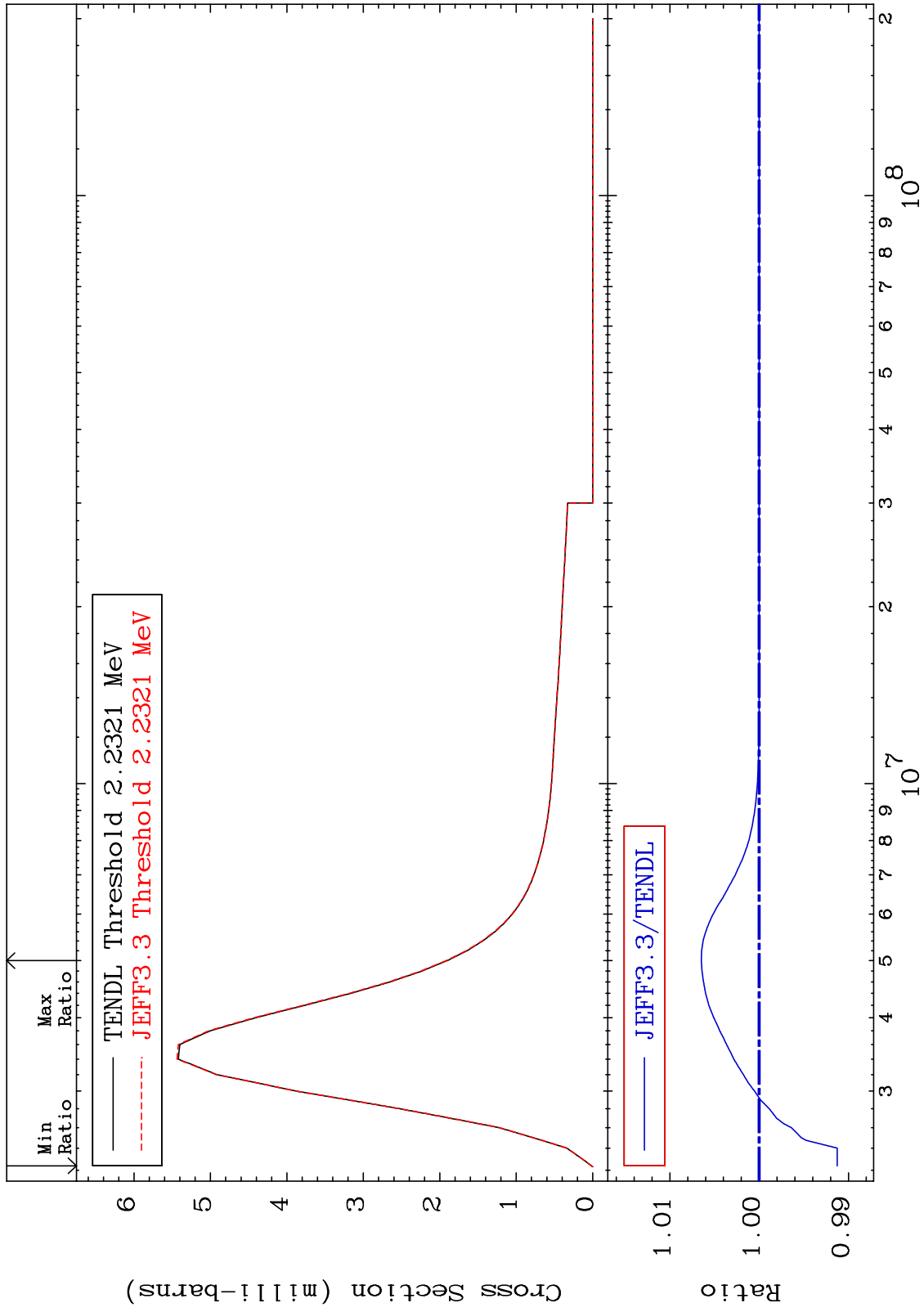
54-Xe-126
-0.430 To 4.129 %



MAT 5431

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

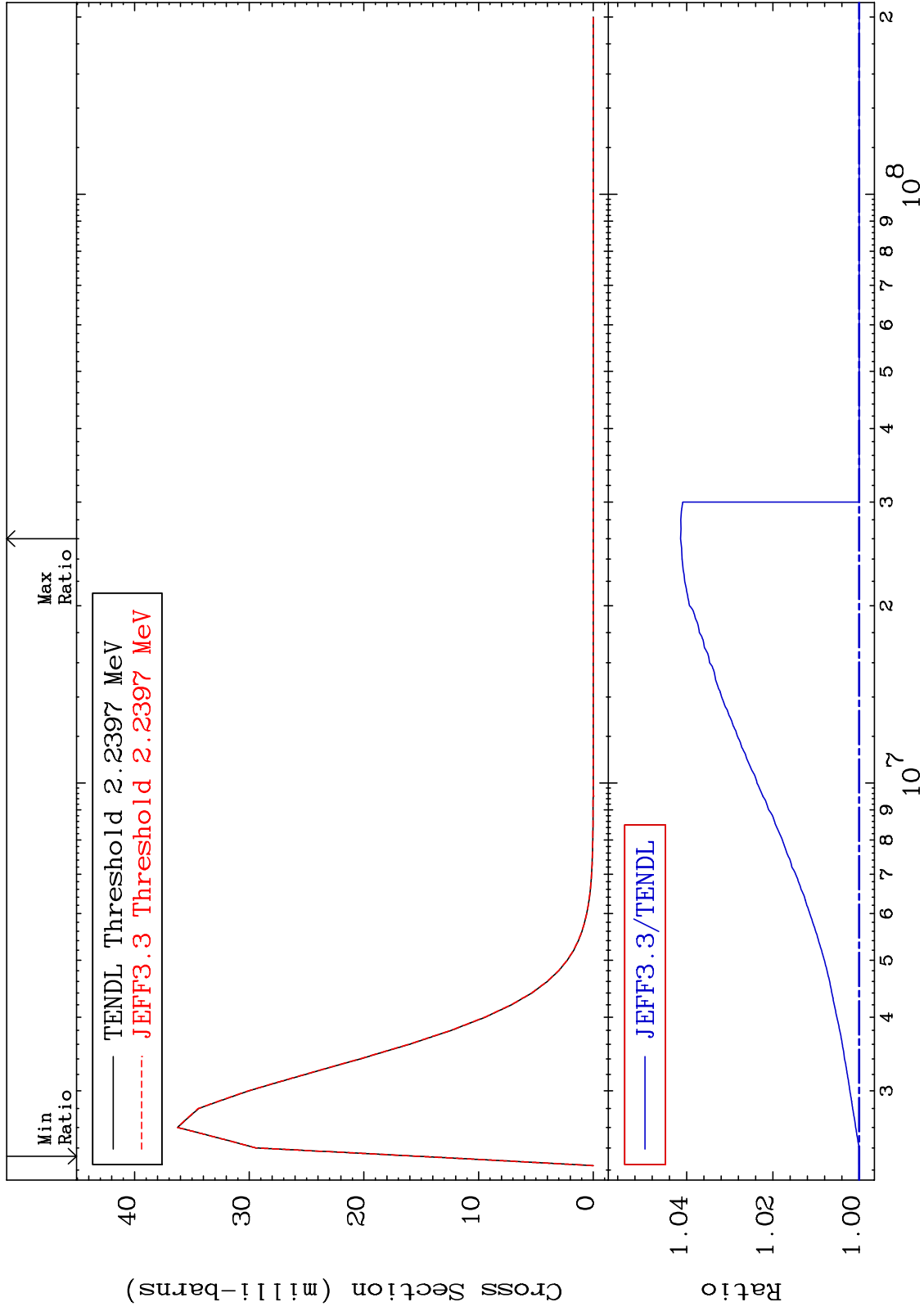
54-Xe-126
-0.874 To 0.648 %



MAT 5431

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

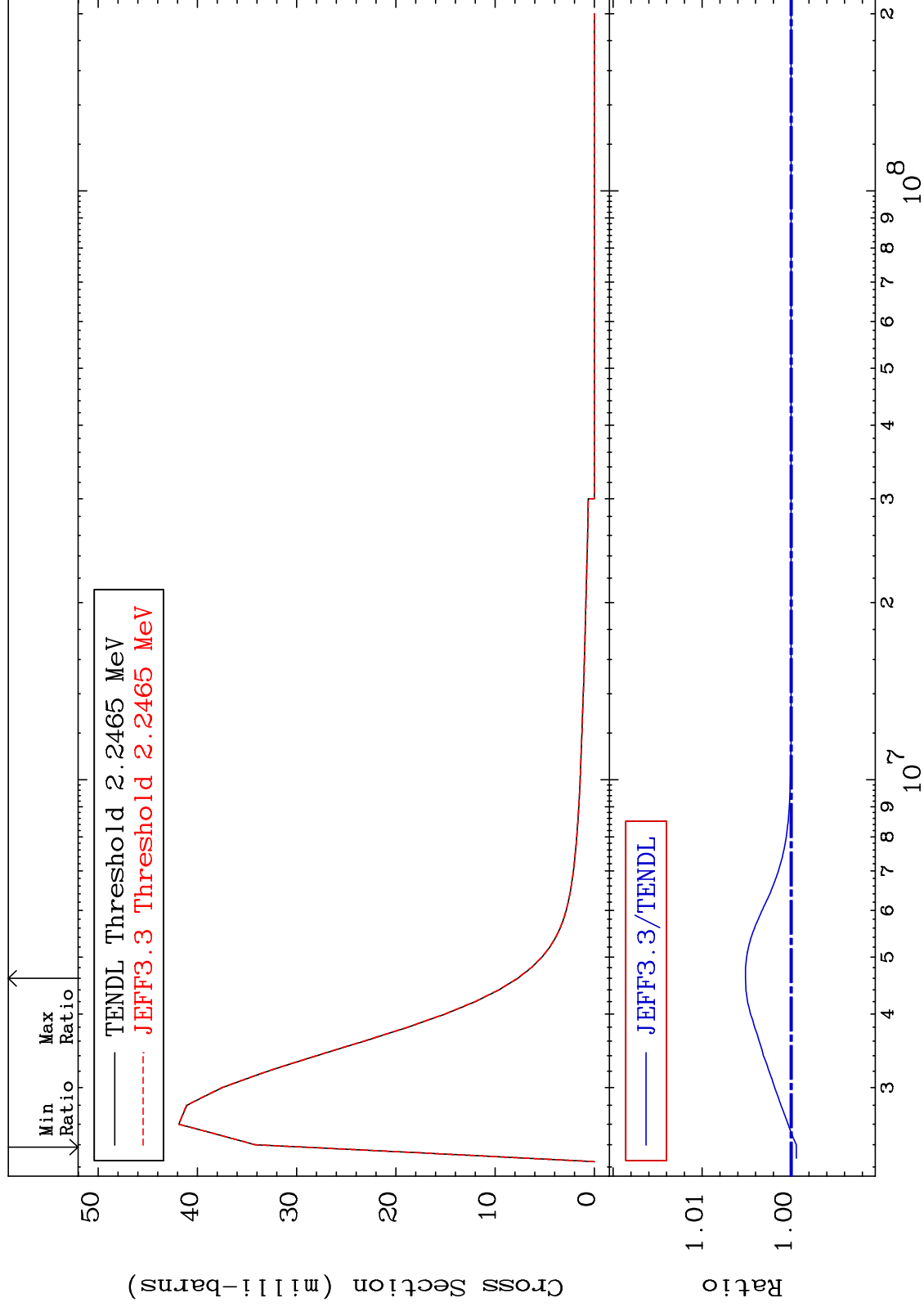
54-Xe-126
-0.002 To 4.138 %



MAT 5431

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

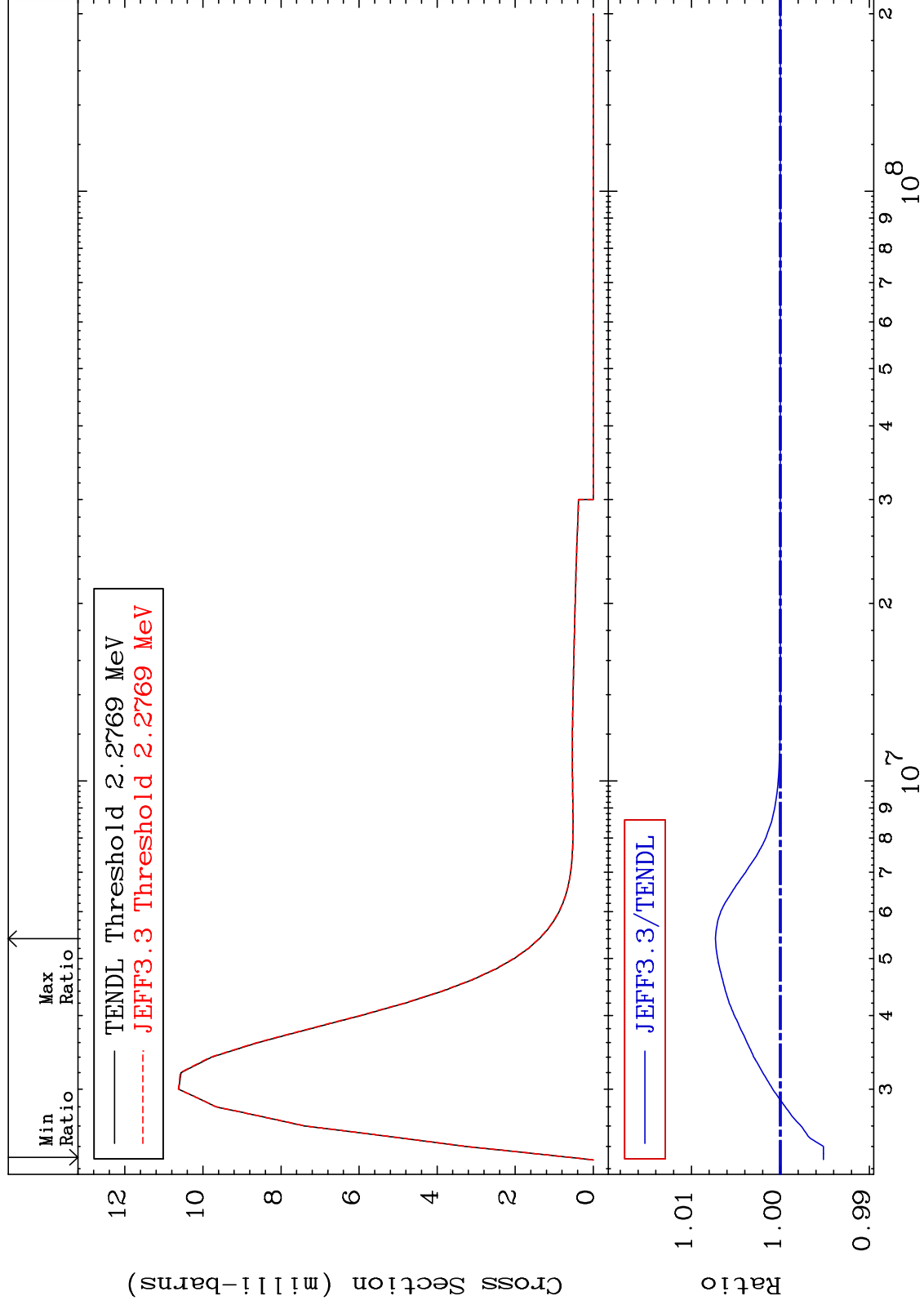
54-Xe-126
-0.057 To 0.514 %



MAT 5431

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

54-Xe-126
-0.485 To 0.730 %



40

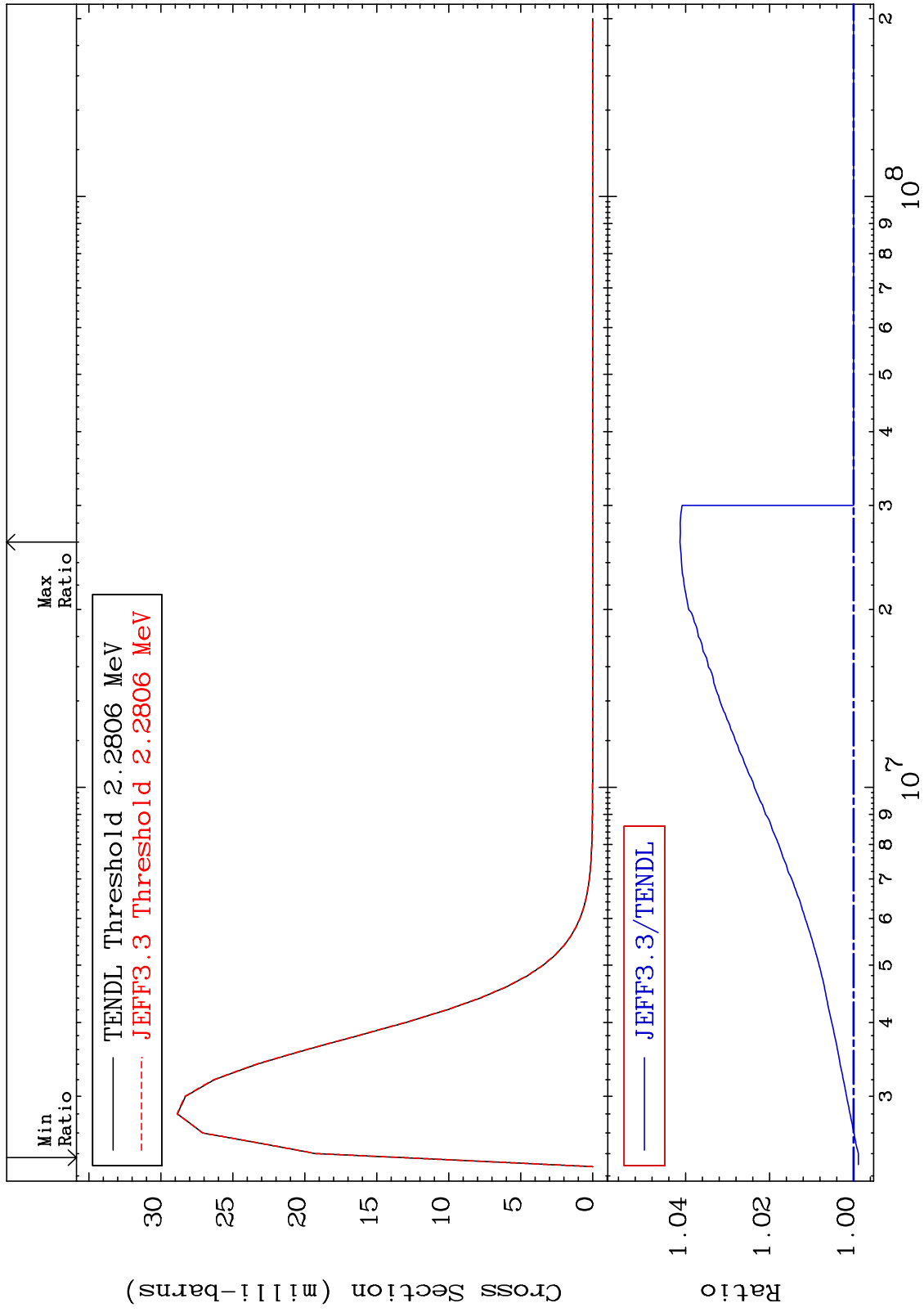
Incident Energy (eV)

54-Xe-126

MAT 5431

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

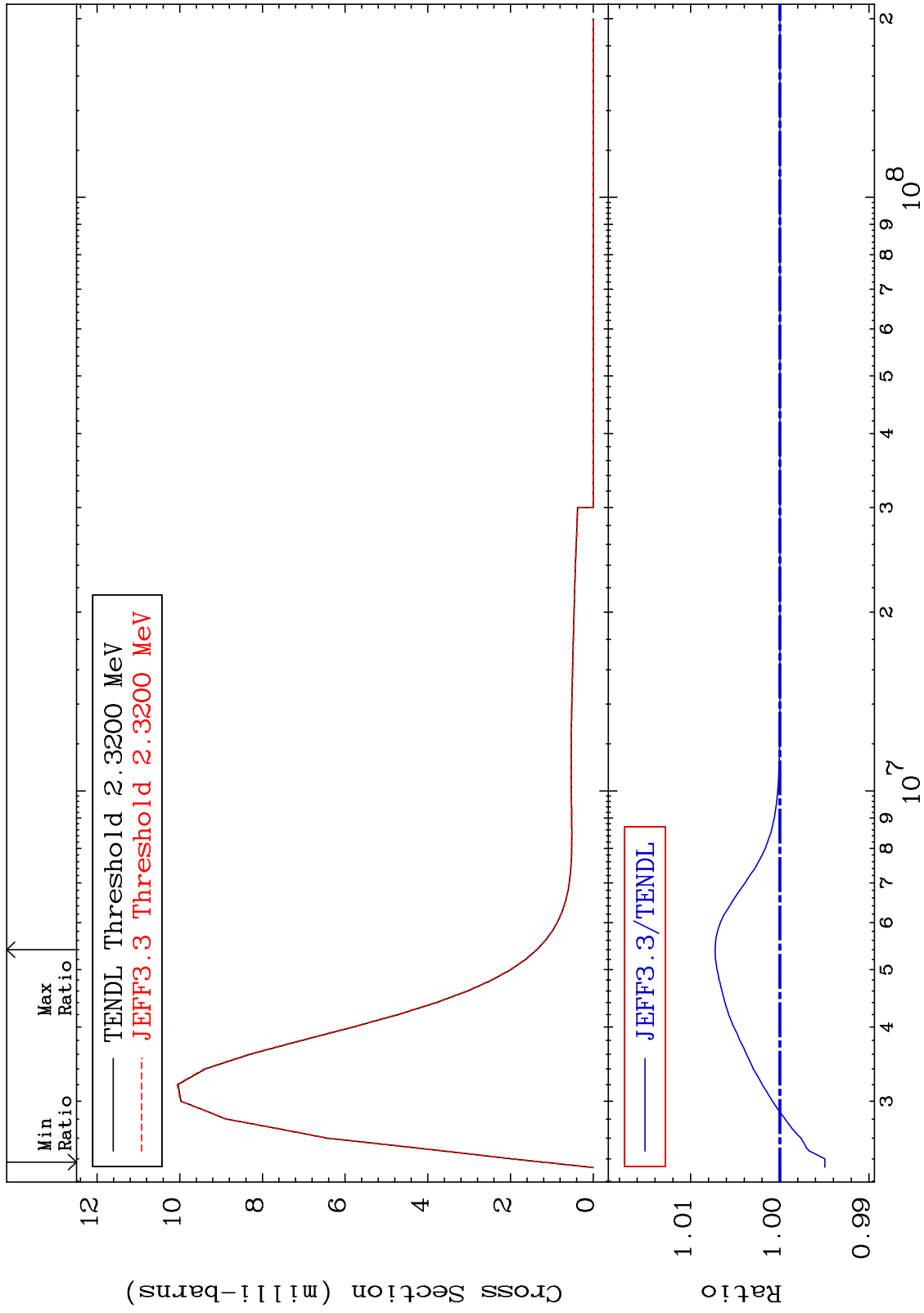
54-Xe-126
-0.114 To 4.134 %



MAT 5431

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

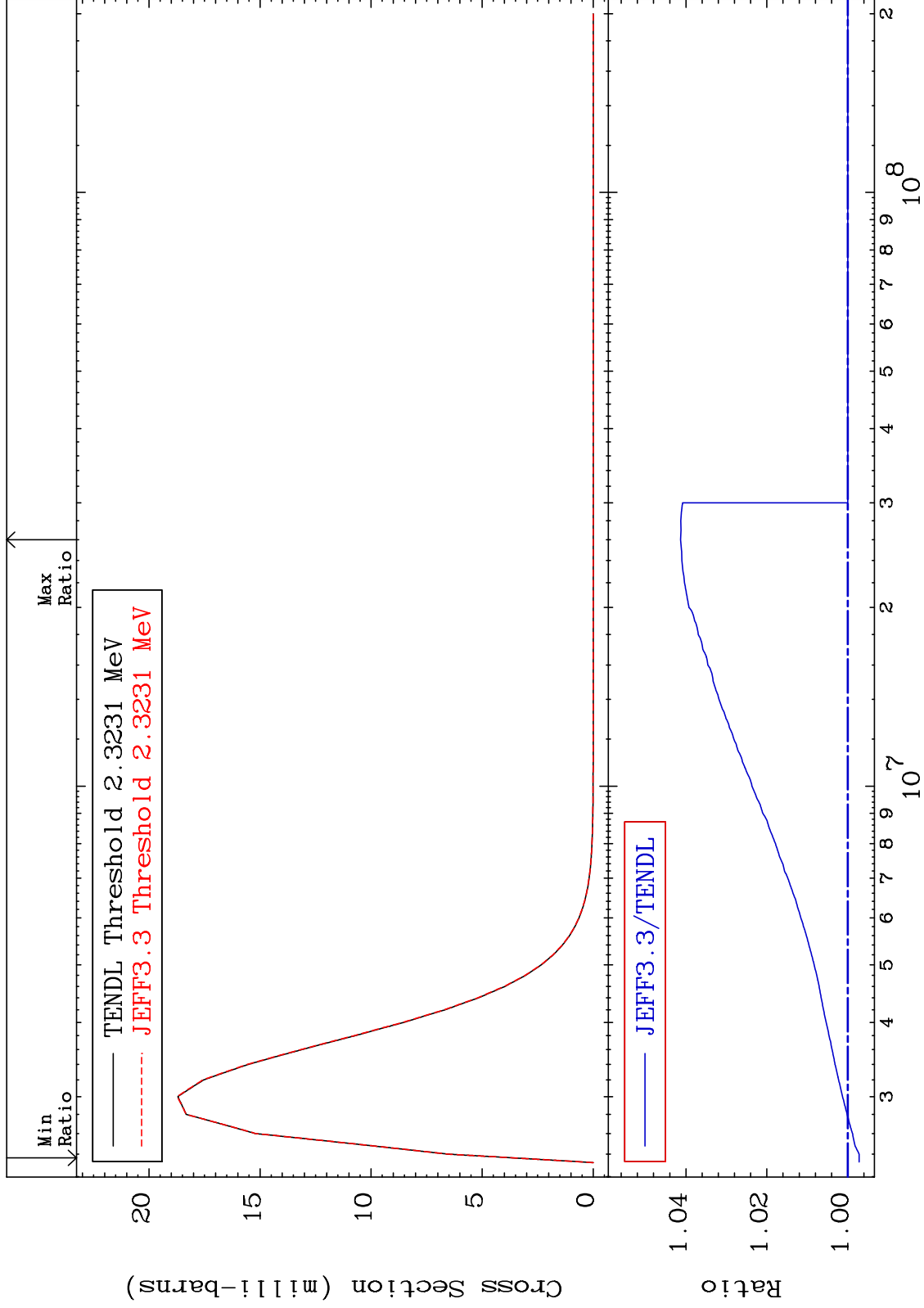
54-Xe-126
-0.504 To 0.728 %



MAT 5431

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

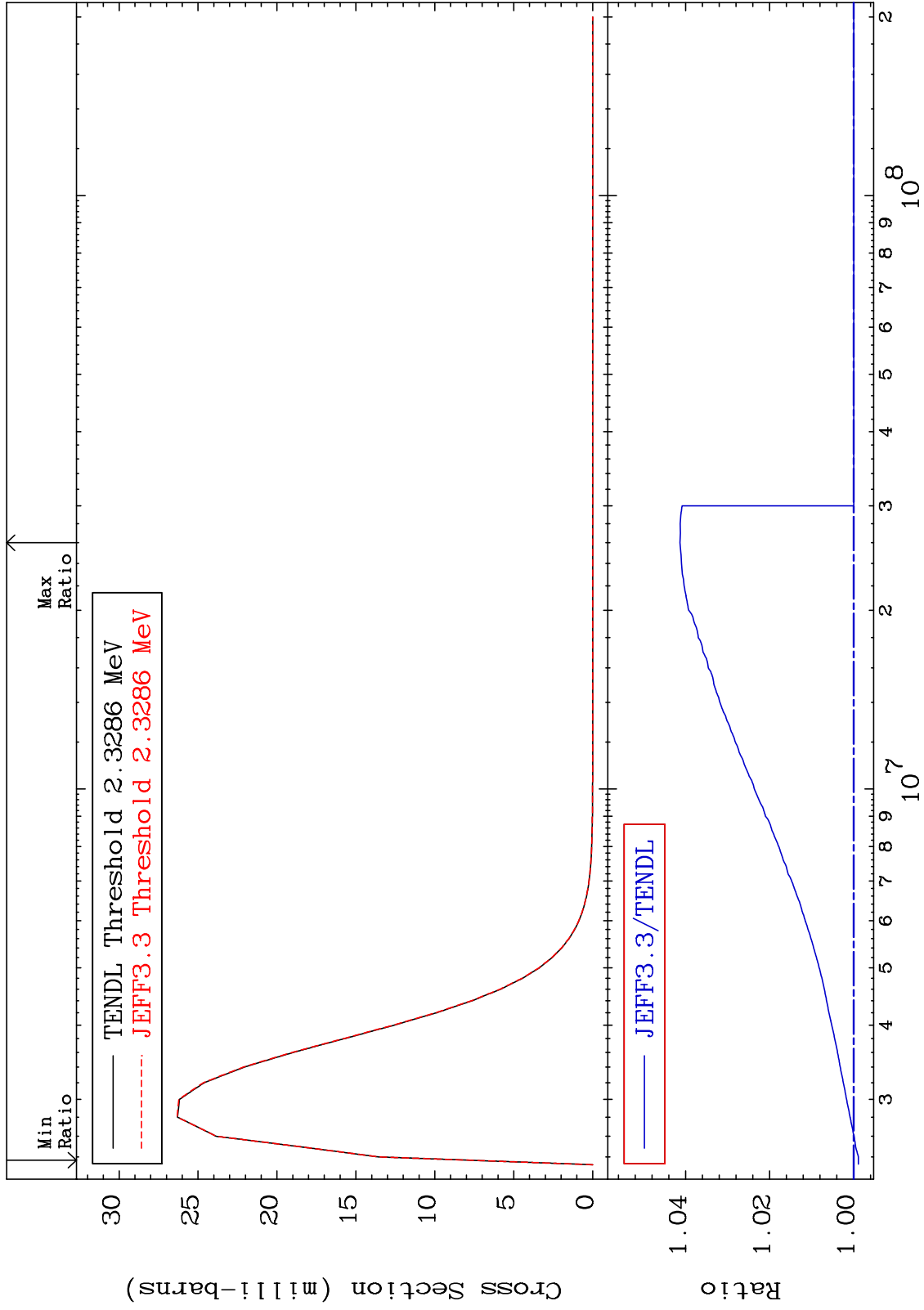
54-Xe-126
-0.282 To 4.132 %



MAT 5431

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

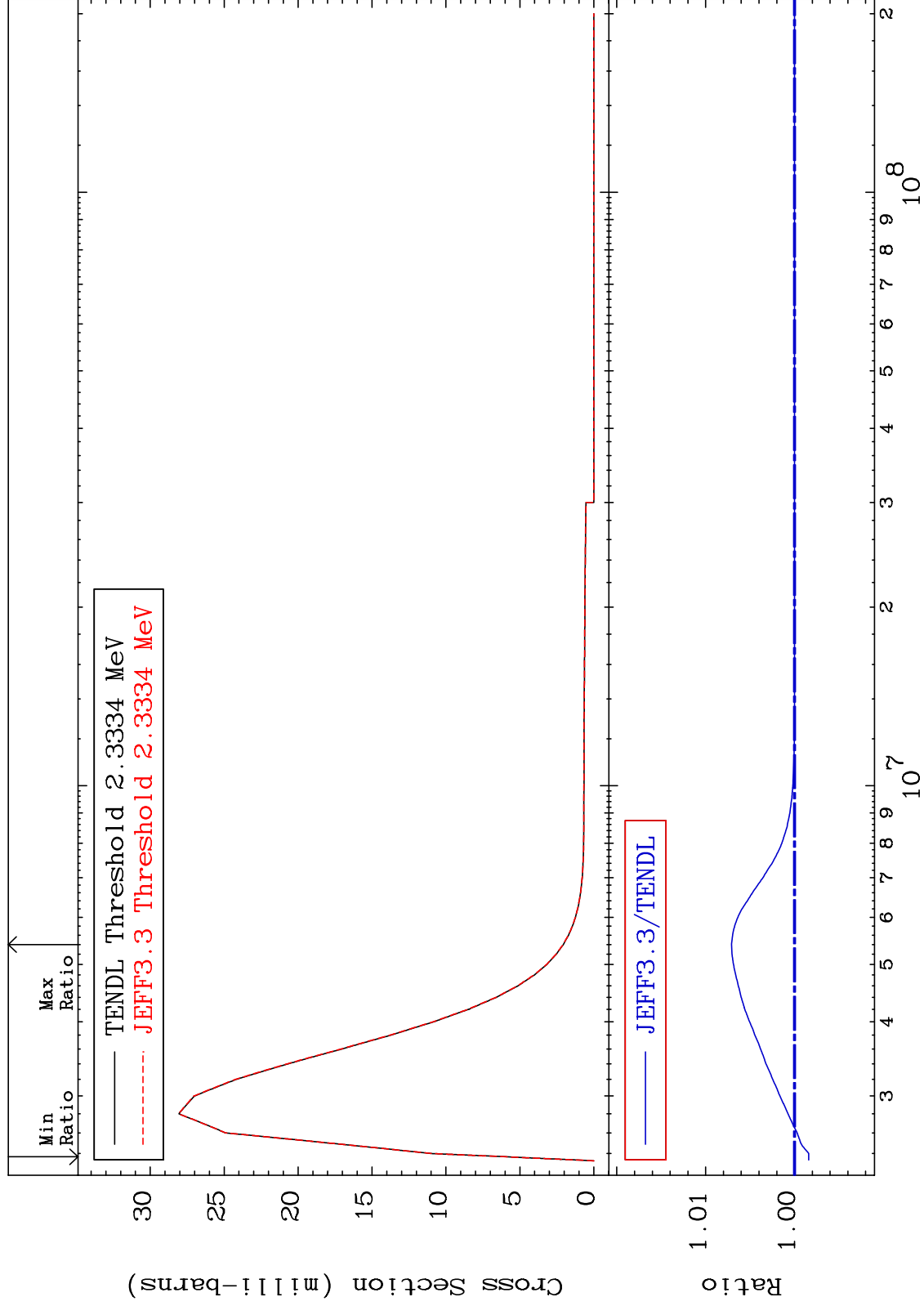
54-Xe-126
-0.113 To 4.135 %



MAT 5431

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

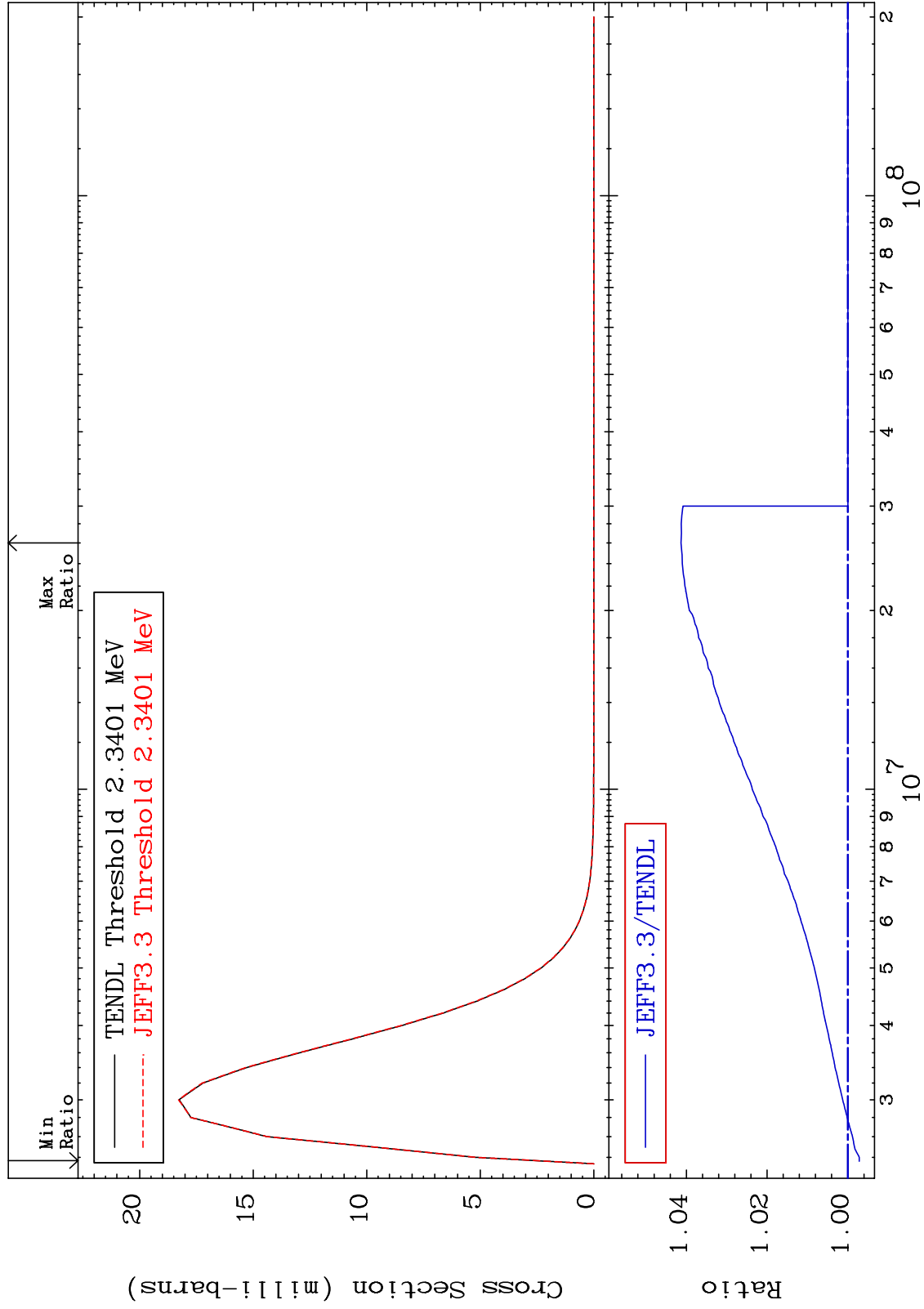
54-Xe-126
-0.160 To 0.709 %



MAT 5431

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

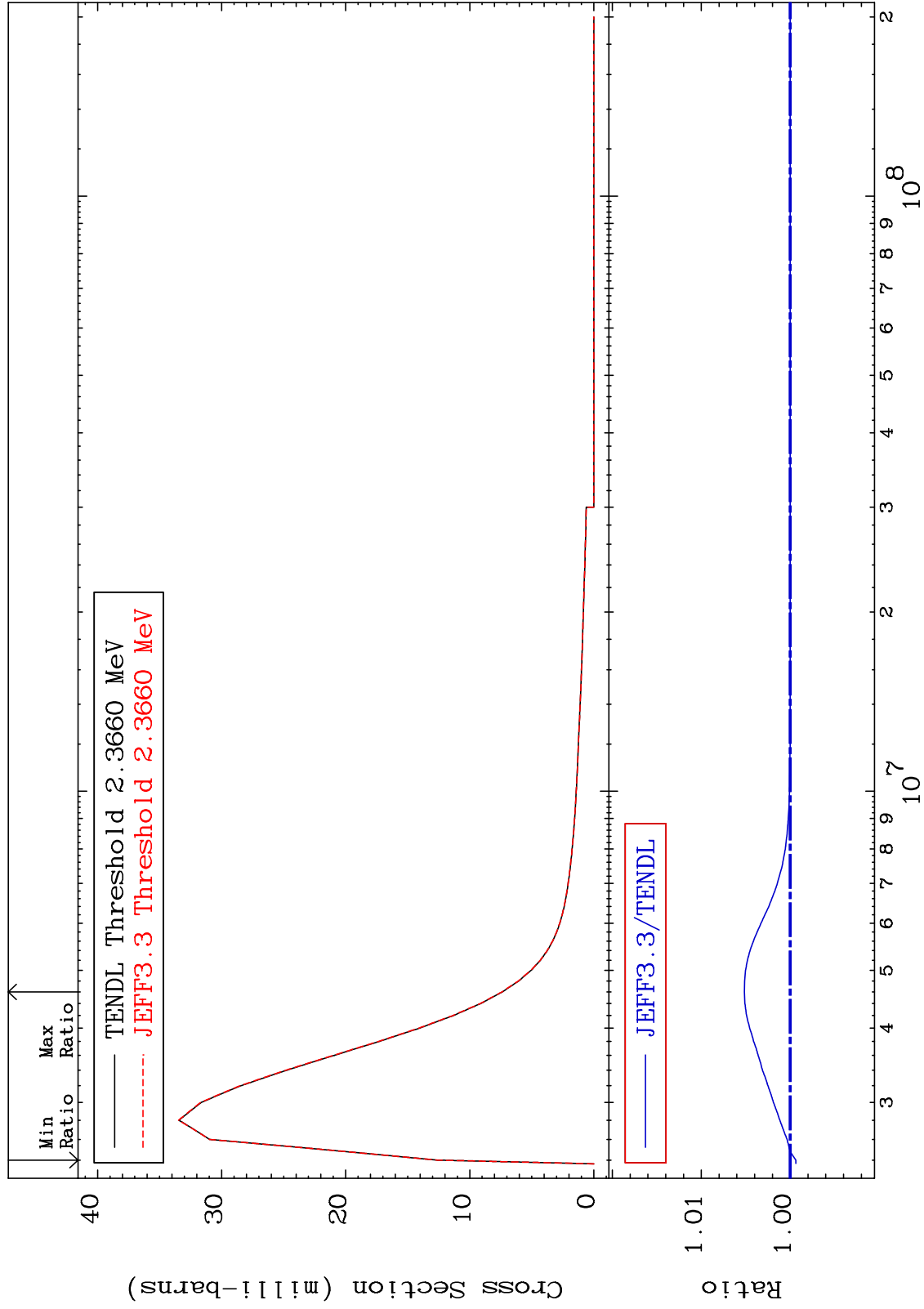
54-Xe-126
-0.284 To 4.132 %



MAT 5431

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

54-Xe-126
-0.064 To 0.515 %



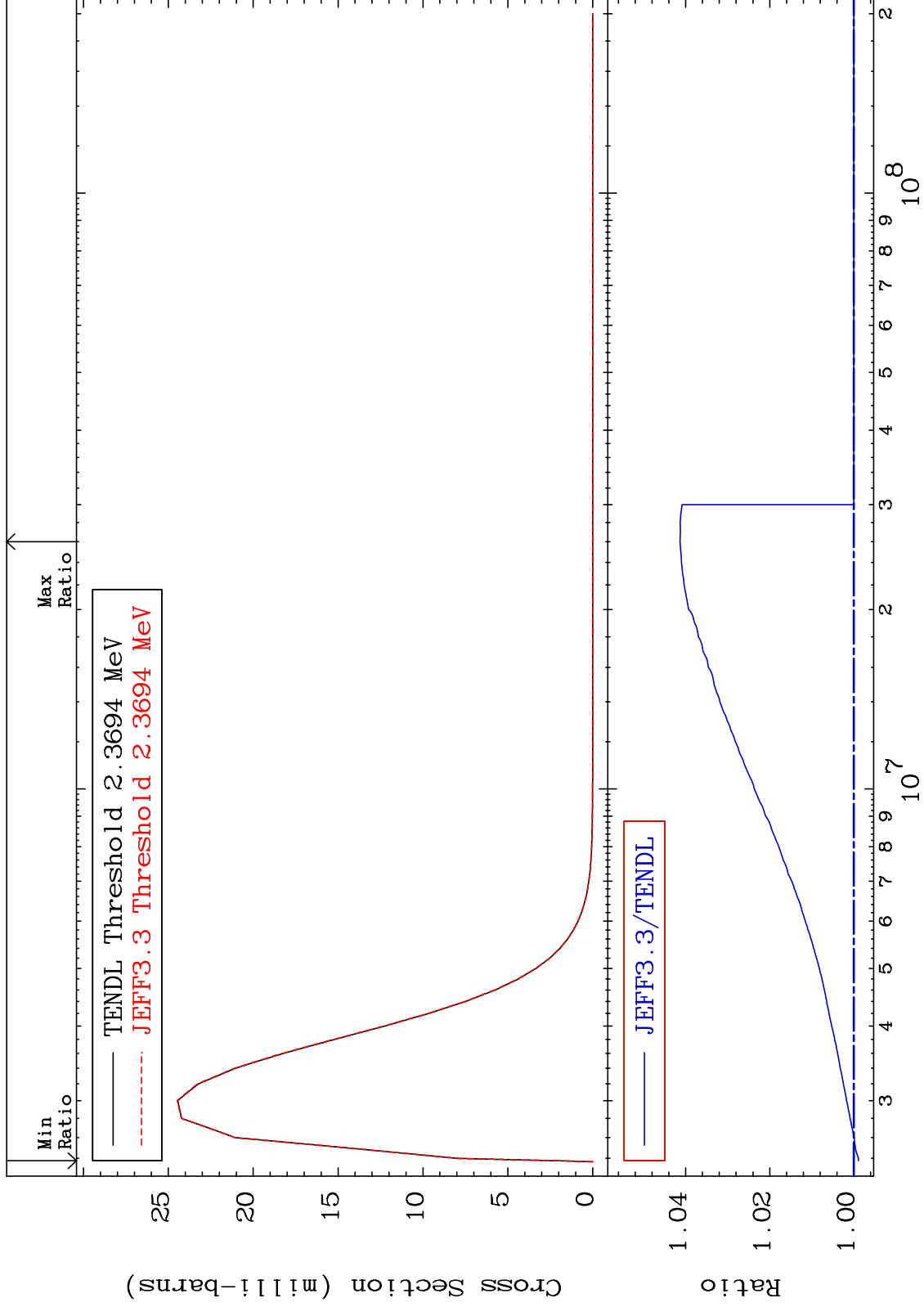
47

54-Xe-126

MAT 5431

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

54-Xe-126
-0.110 To 4.135 %



48

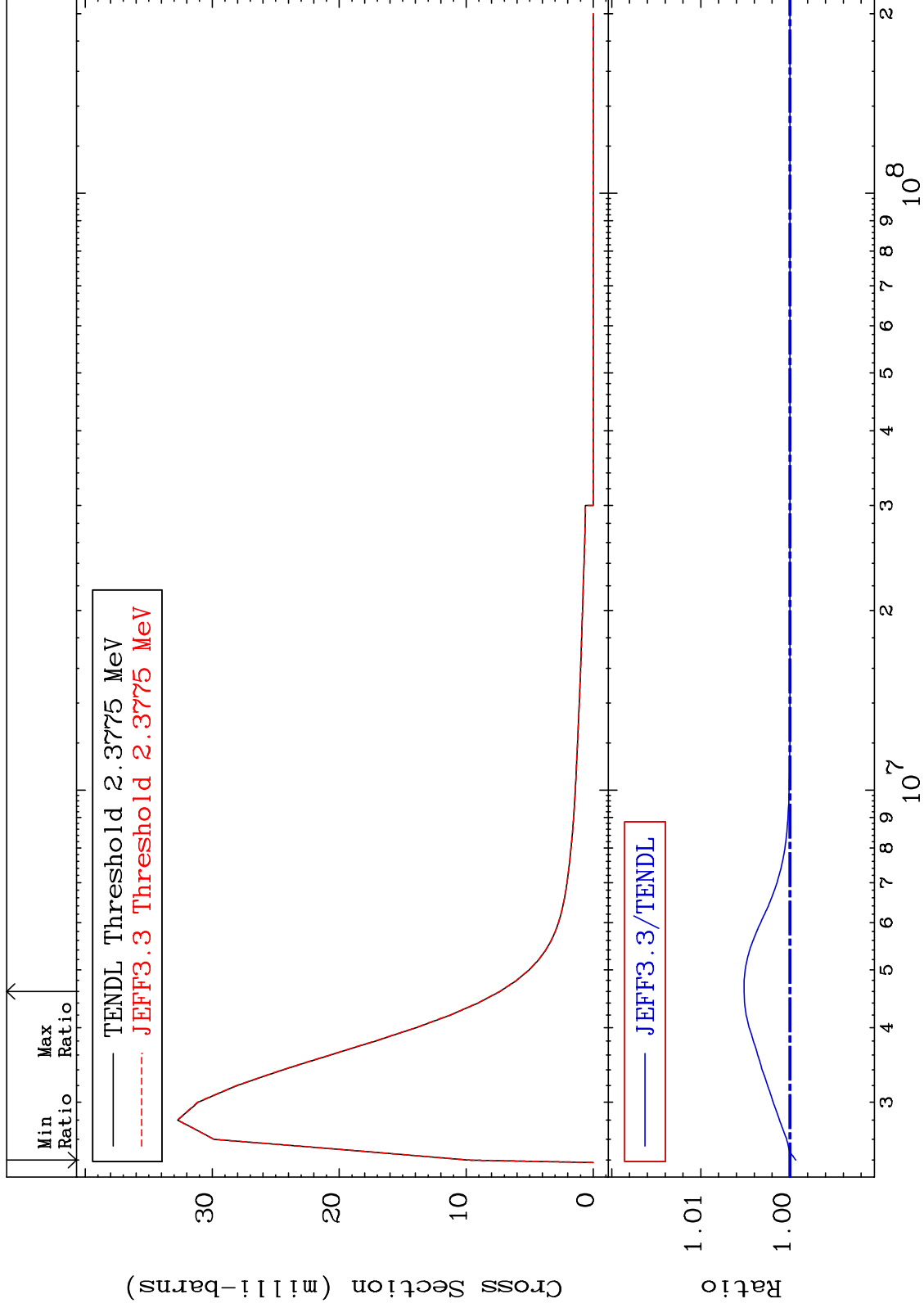
Incident Energy (eV)

54-Xe-126

MAT 5431

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

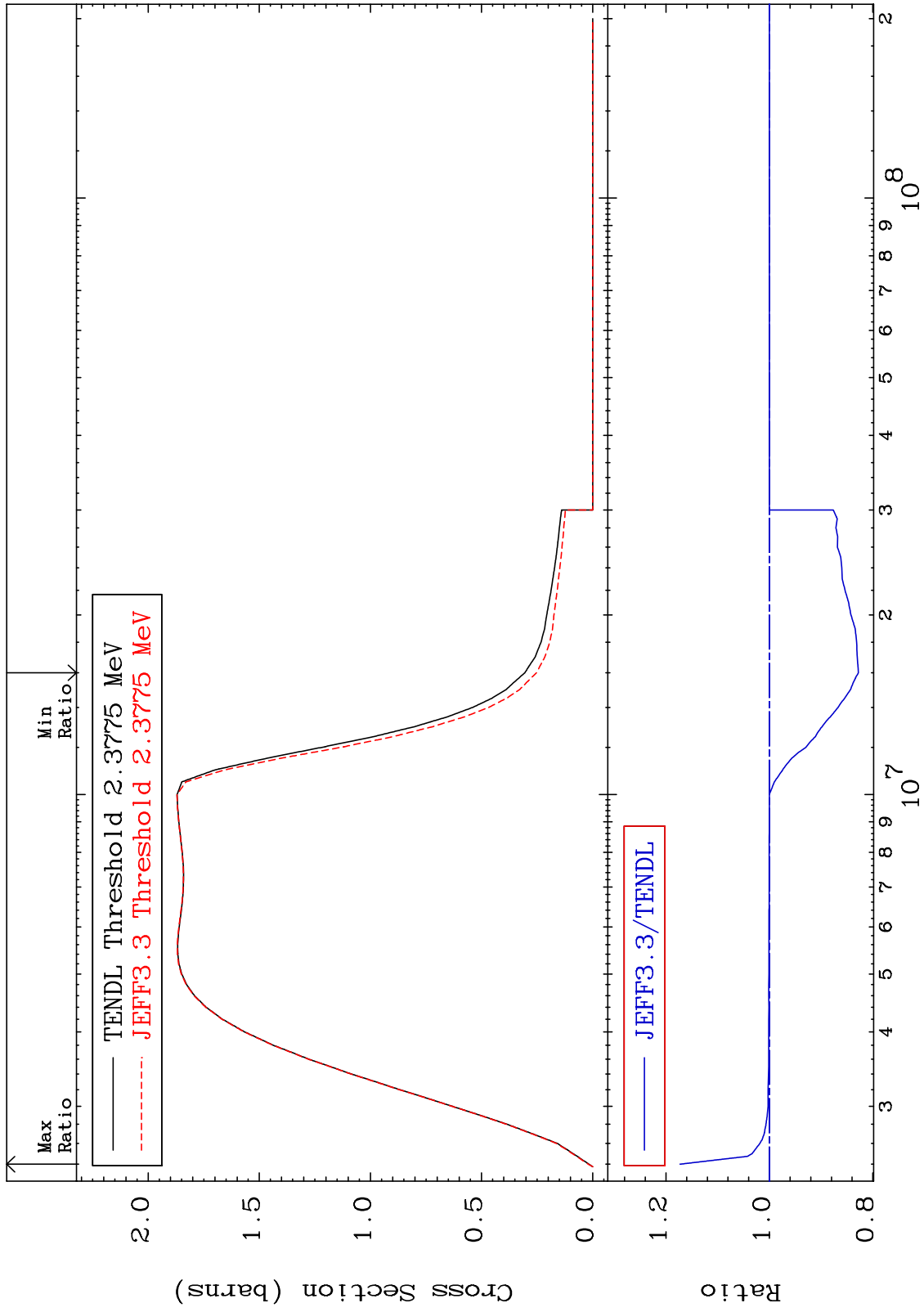
54-Xe-126
-0.066 To 0.515 %



MAT 5431

(n,n') Continuum
Cross Section

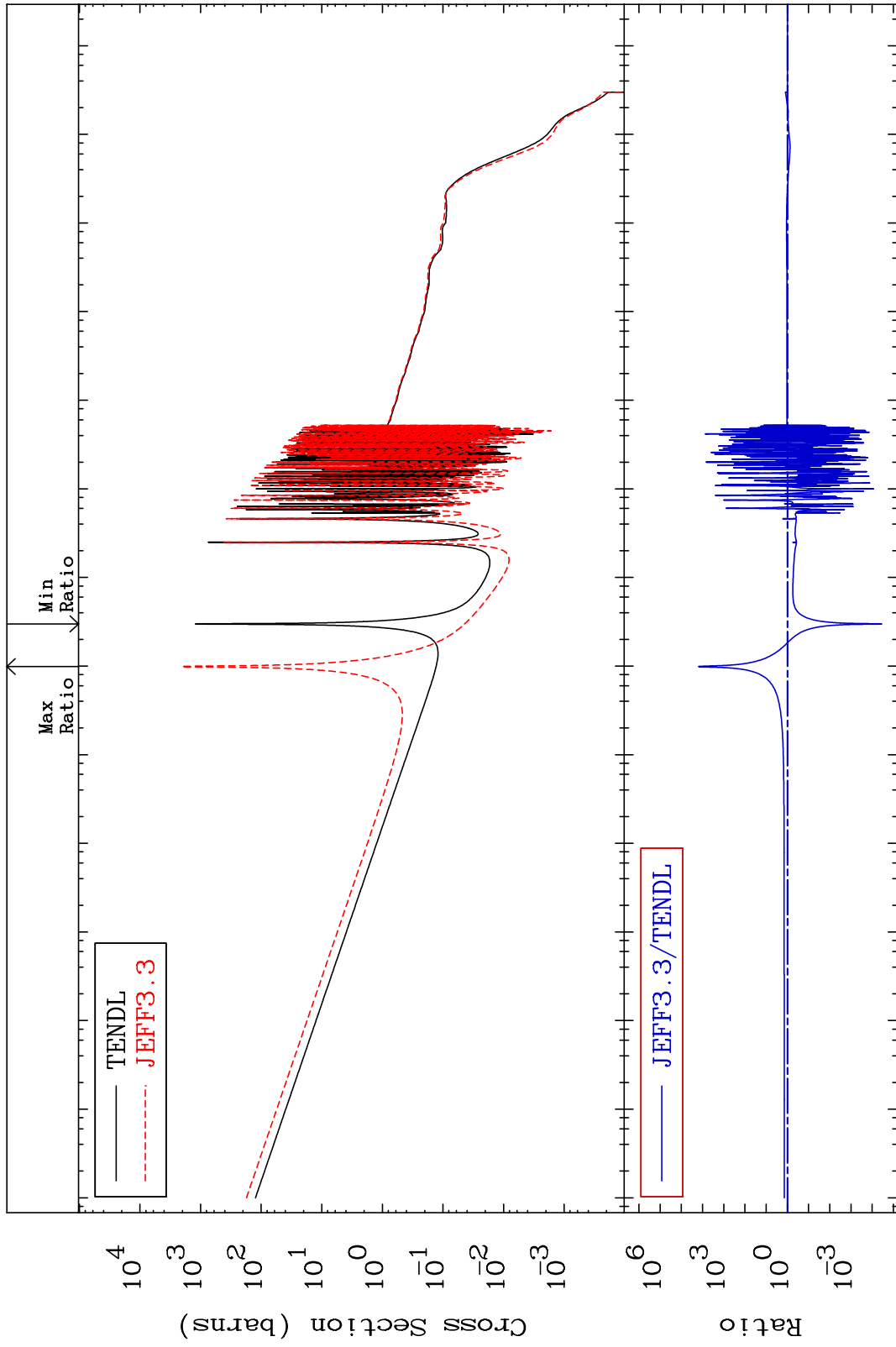
54-Xe-126
-17.21 To 17.28 %



MAT 5431

(n, γ)
Cross Section

54-Xe-126
-100.0 To 9999. %



51

Incident Energy (eV)

54-Xe-126

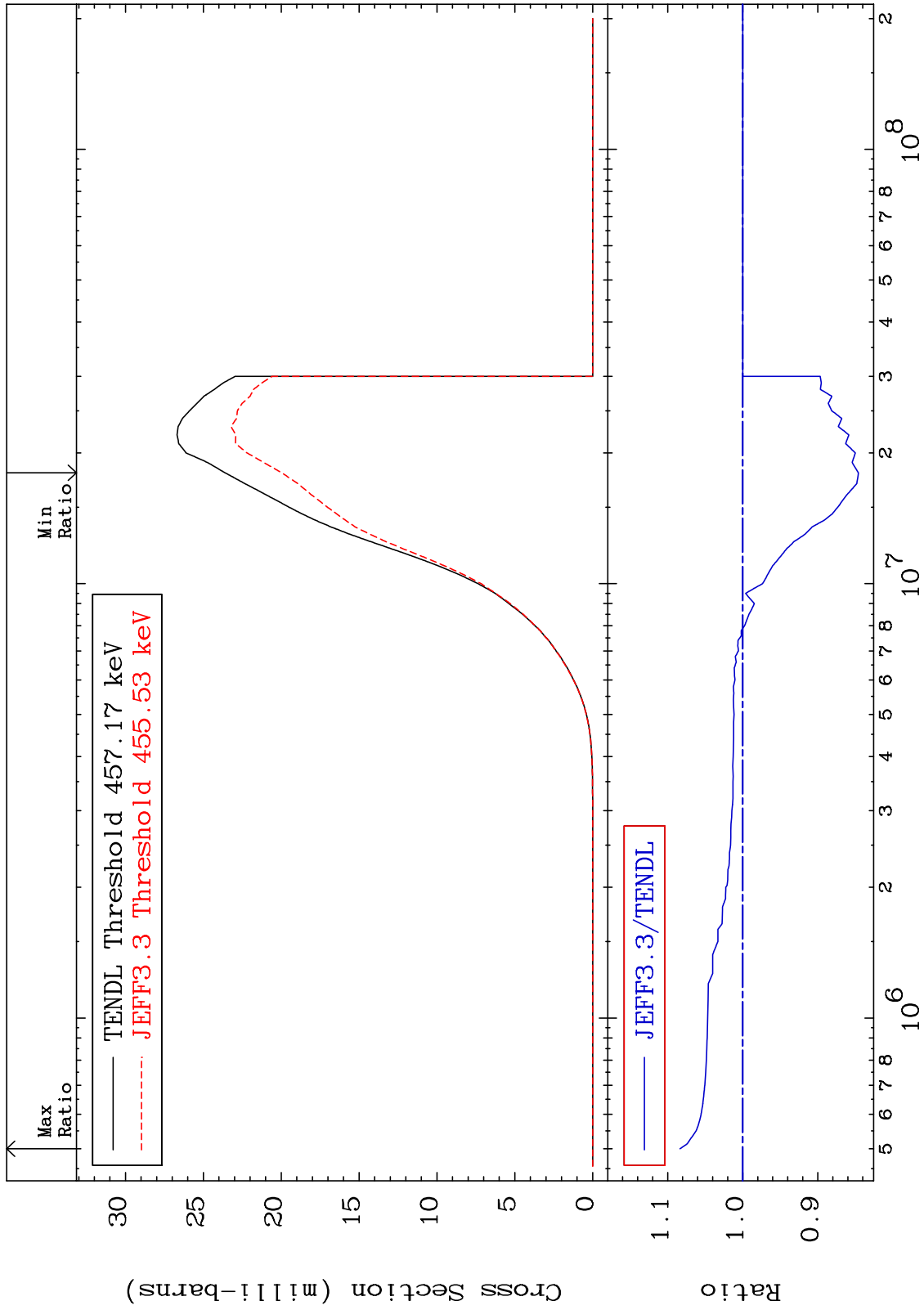
MAT 5431

(n,p)

54-Xe-126

Cross Section

-15.41 To 8.351 %



52

Incident Energy (eV)

54-Xe-126

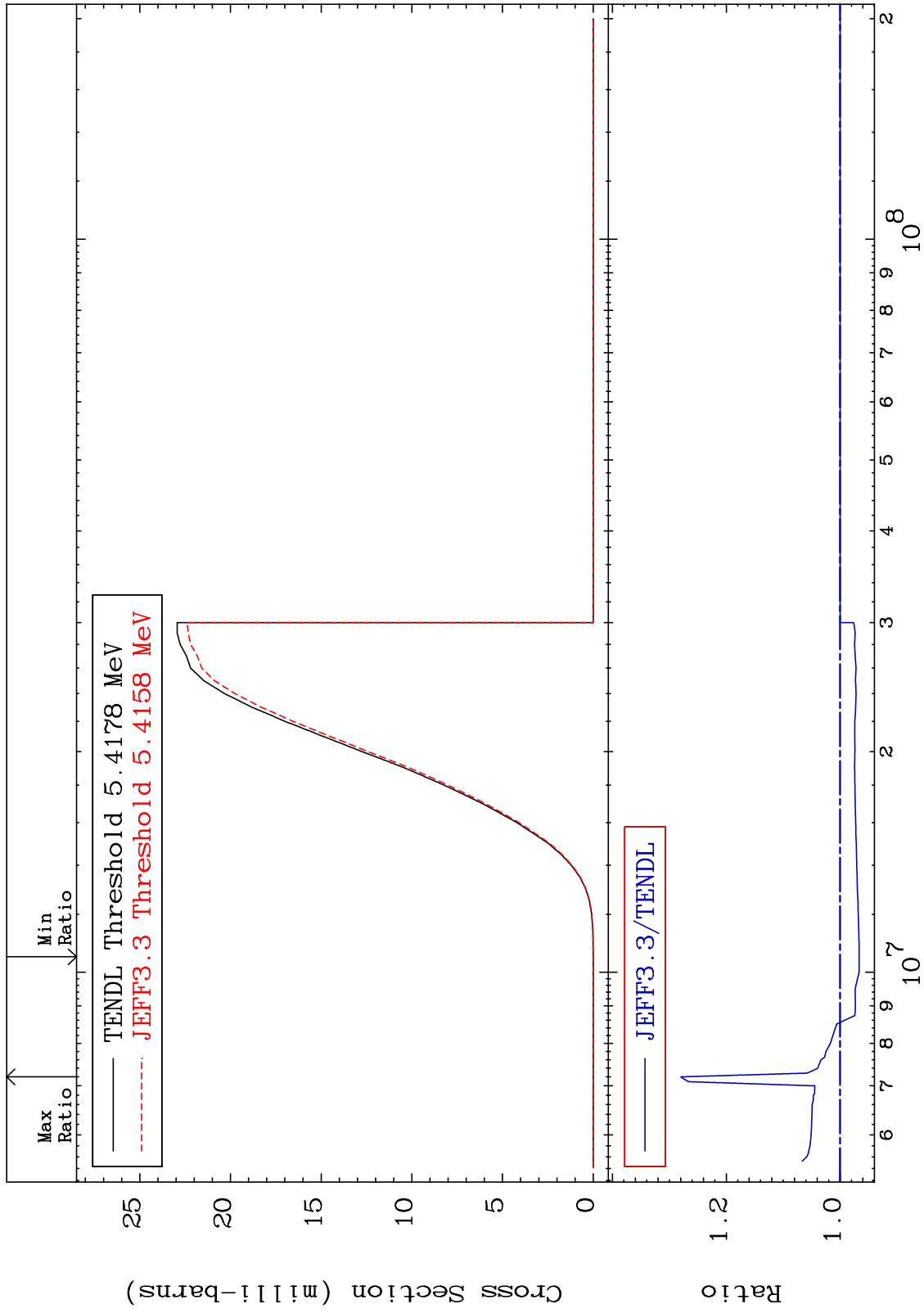
MAT 5431

(n, d)

54-Xe-126

Cross Section

-3.358 To 28.03 %



53

Incident Energy (eV)

54-Xe-126

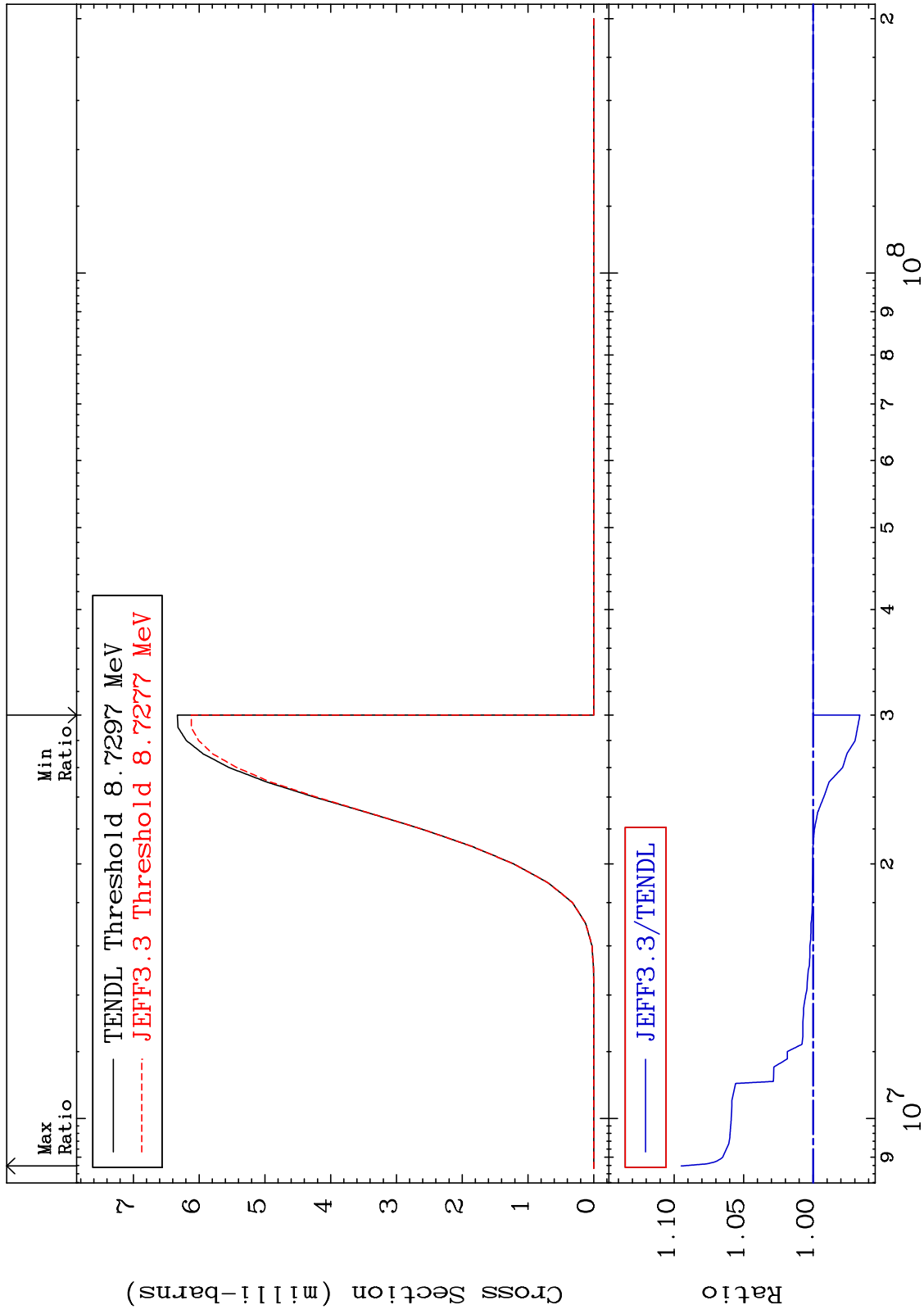
MAT 5431

(n, t)

54-Xe-126

Cross Section

-3.368 To 9.486 %



54

Incident Energy (eV)

54-Xe-126

MAT 5431

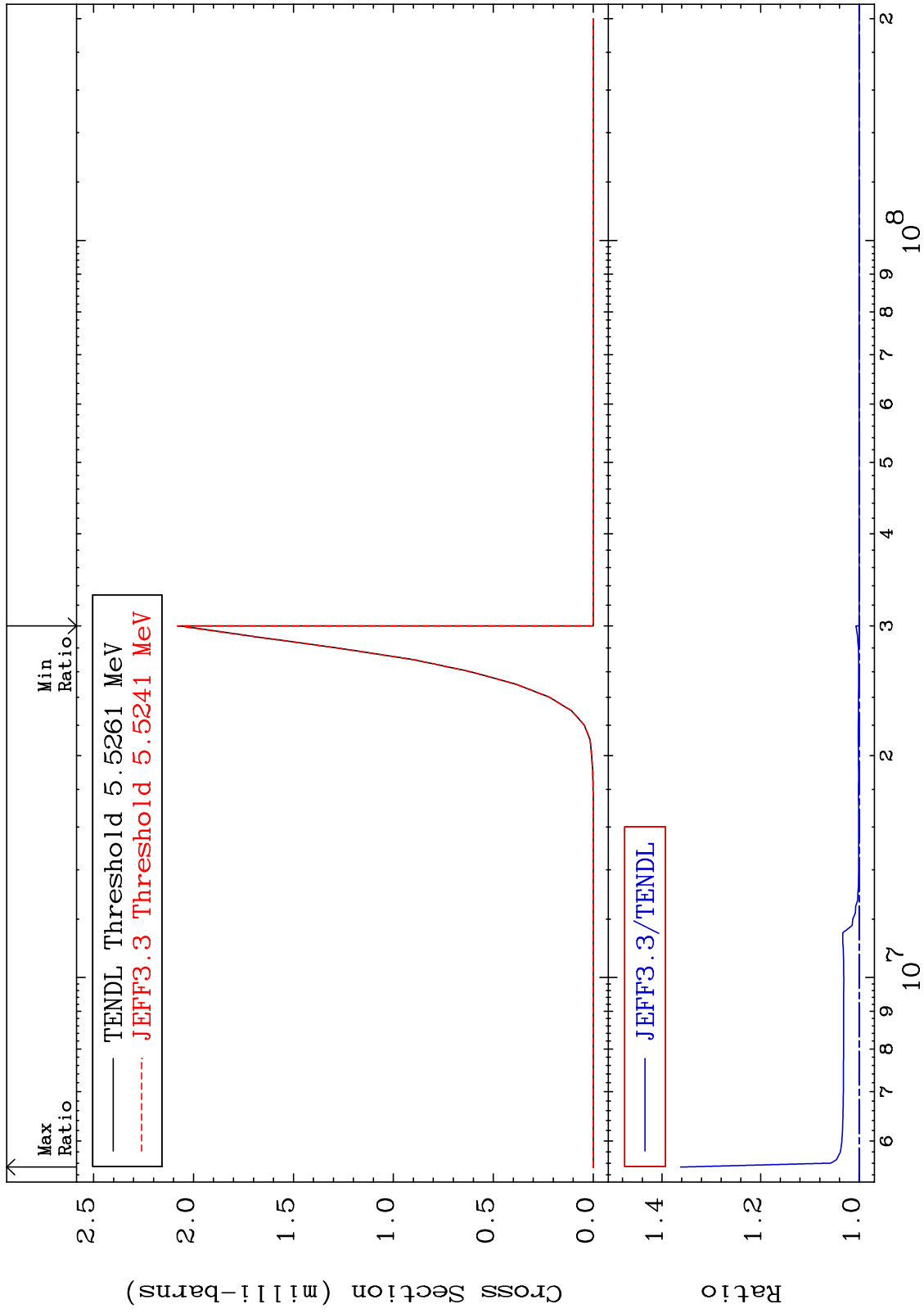
(n, He-3)

54-Xe-126

Cross Section

0.000

To 36.22 %



55

Incident Energy (eV)

54-Xe-126

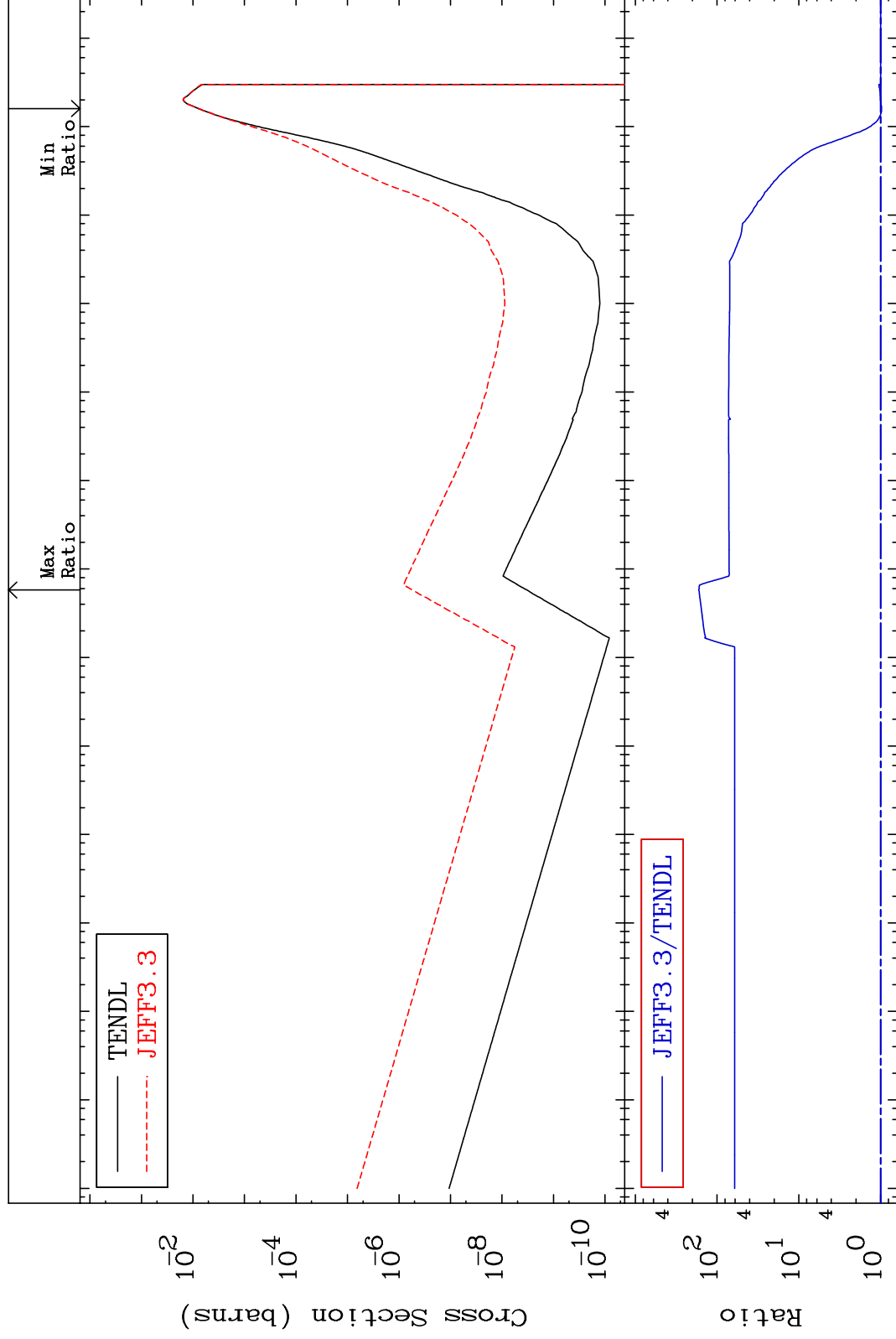
MAT 5431

(n, α)

54-Xe-126

Cross Section

-2.871 To 9999. %



56

Incident Energy (eV)

54-Xe-126

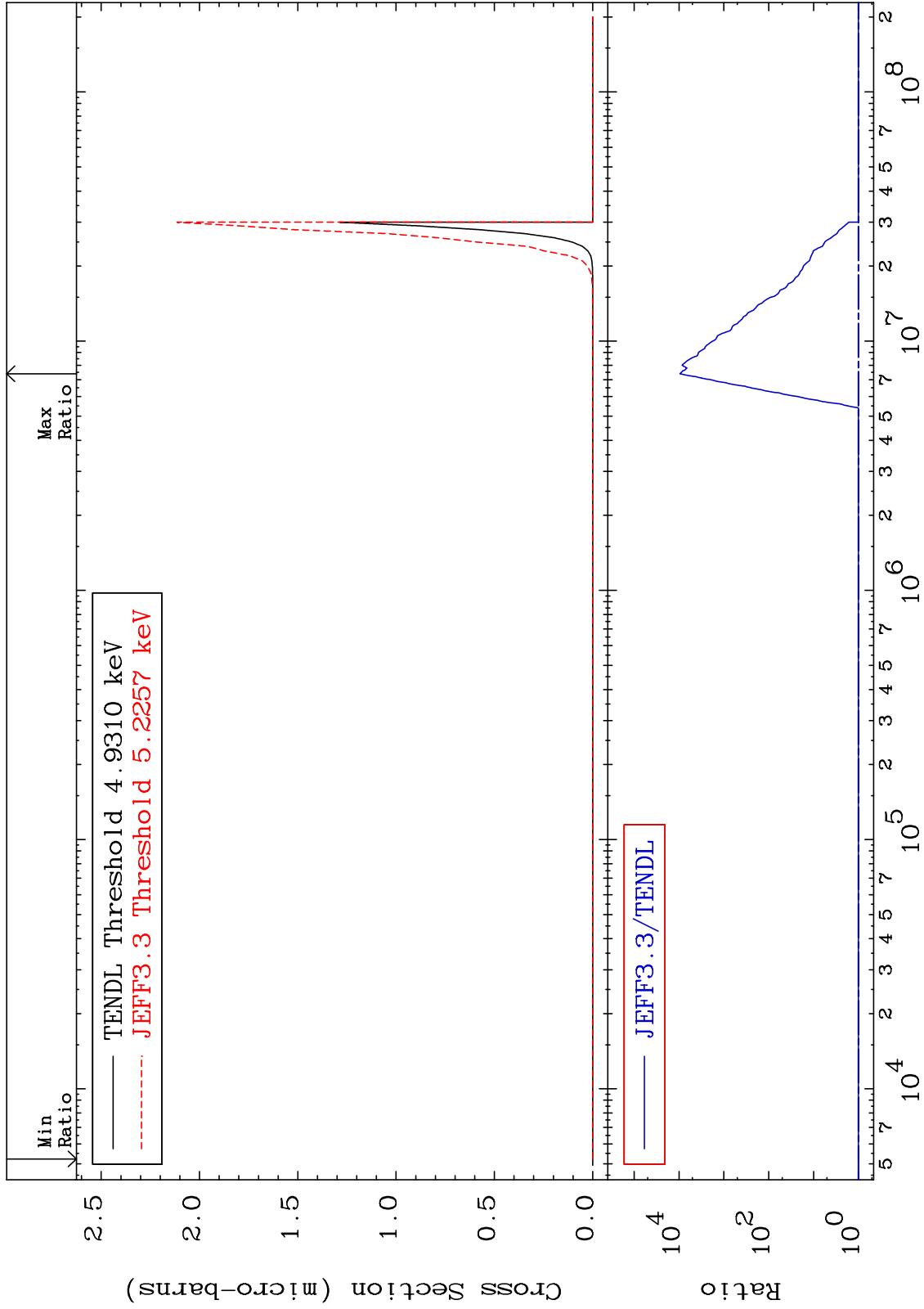
MAT 5431

(n, 2α)

54-Xe-126

Cross Section

To 9999. %



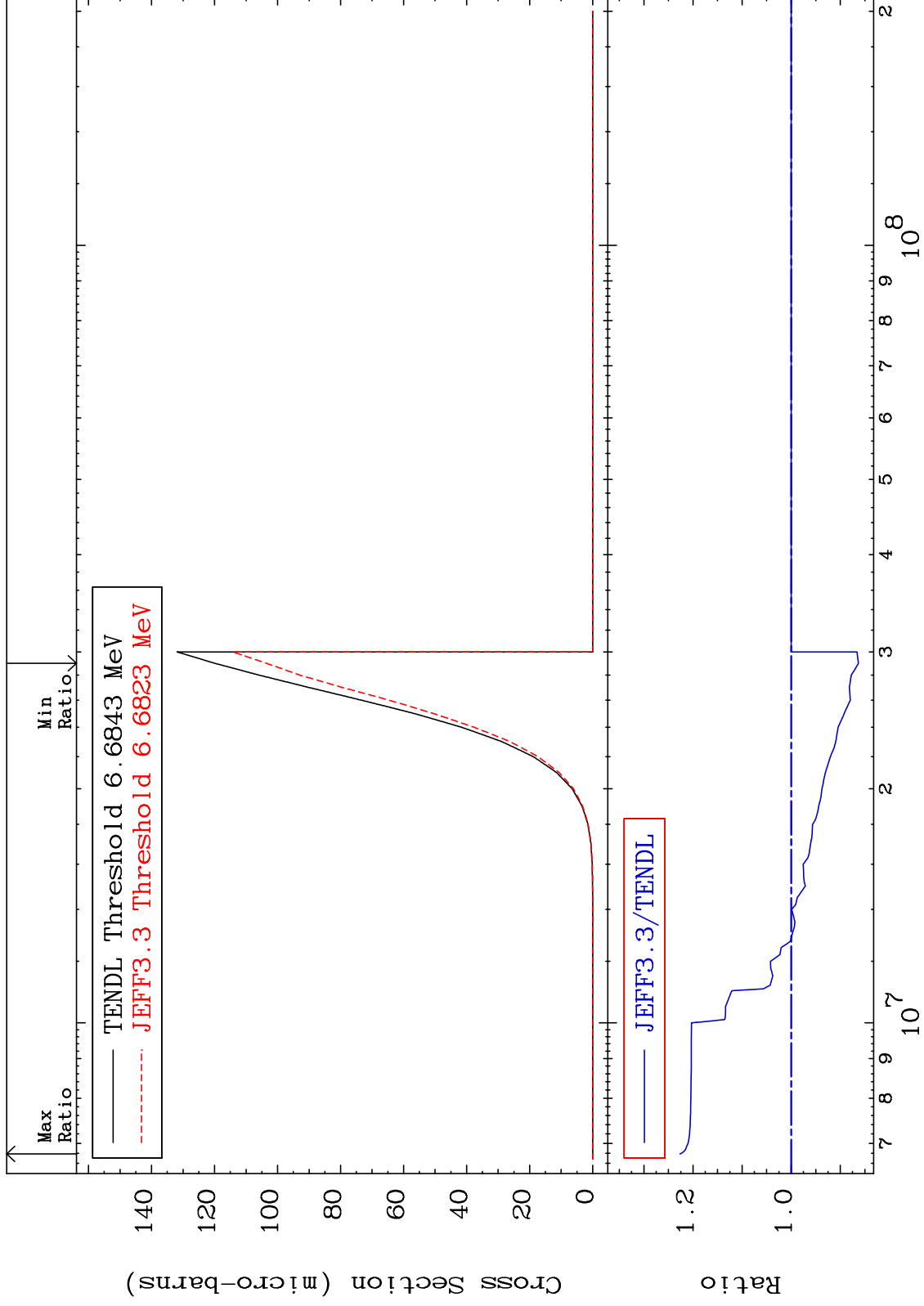
MAT 5431

(n,2p)

54-Xe-126

Cross Section

-13.69 To 22.64 %



58

Incident Energy (eV)

54-Xe-126

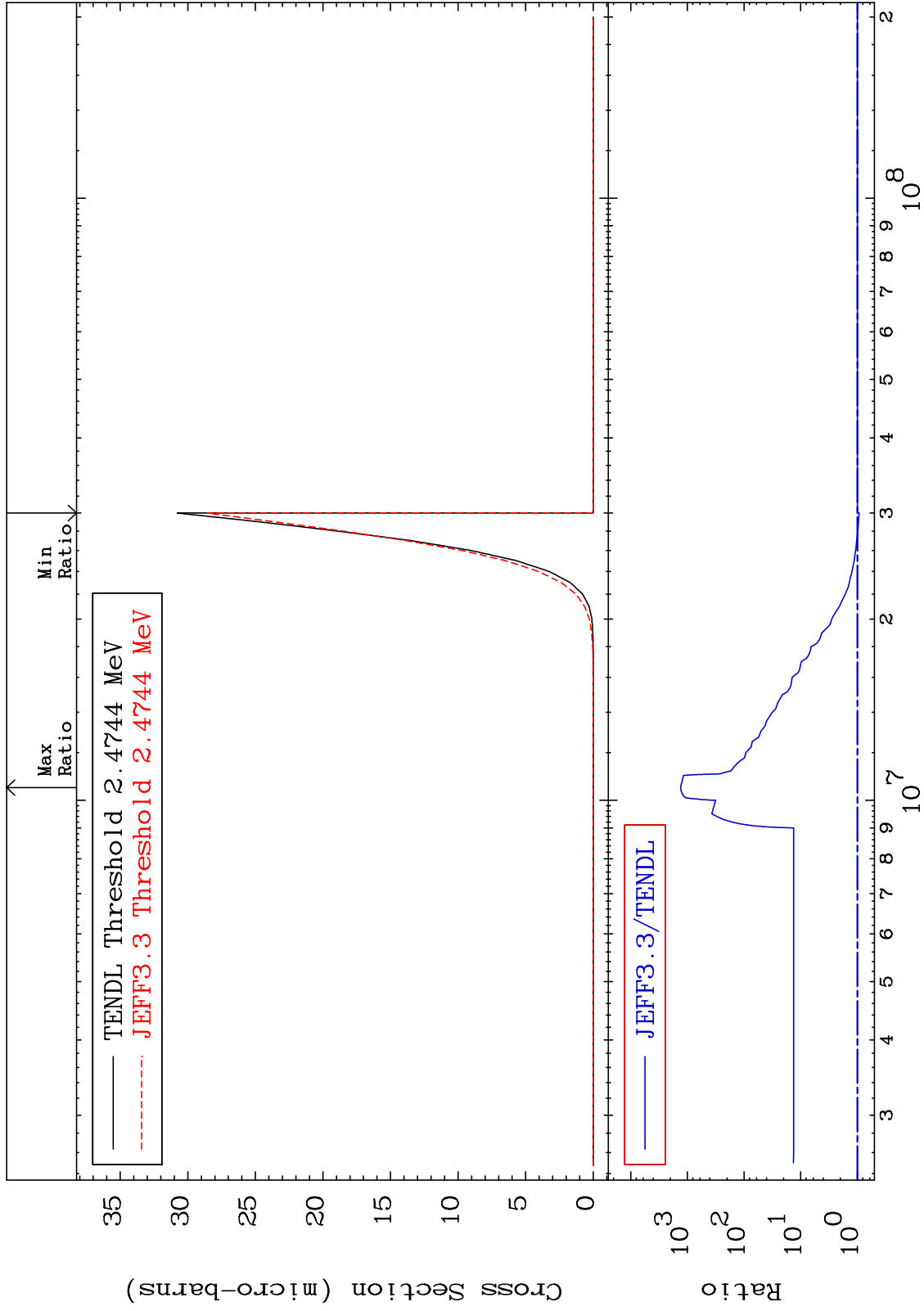
MAT 5431

(n,p) α

54-Xe-126

-7.141 To 9999. %

Cross Section



59

Incident Energy (eV)

54-Xe-126

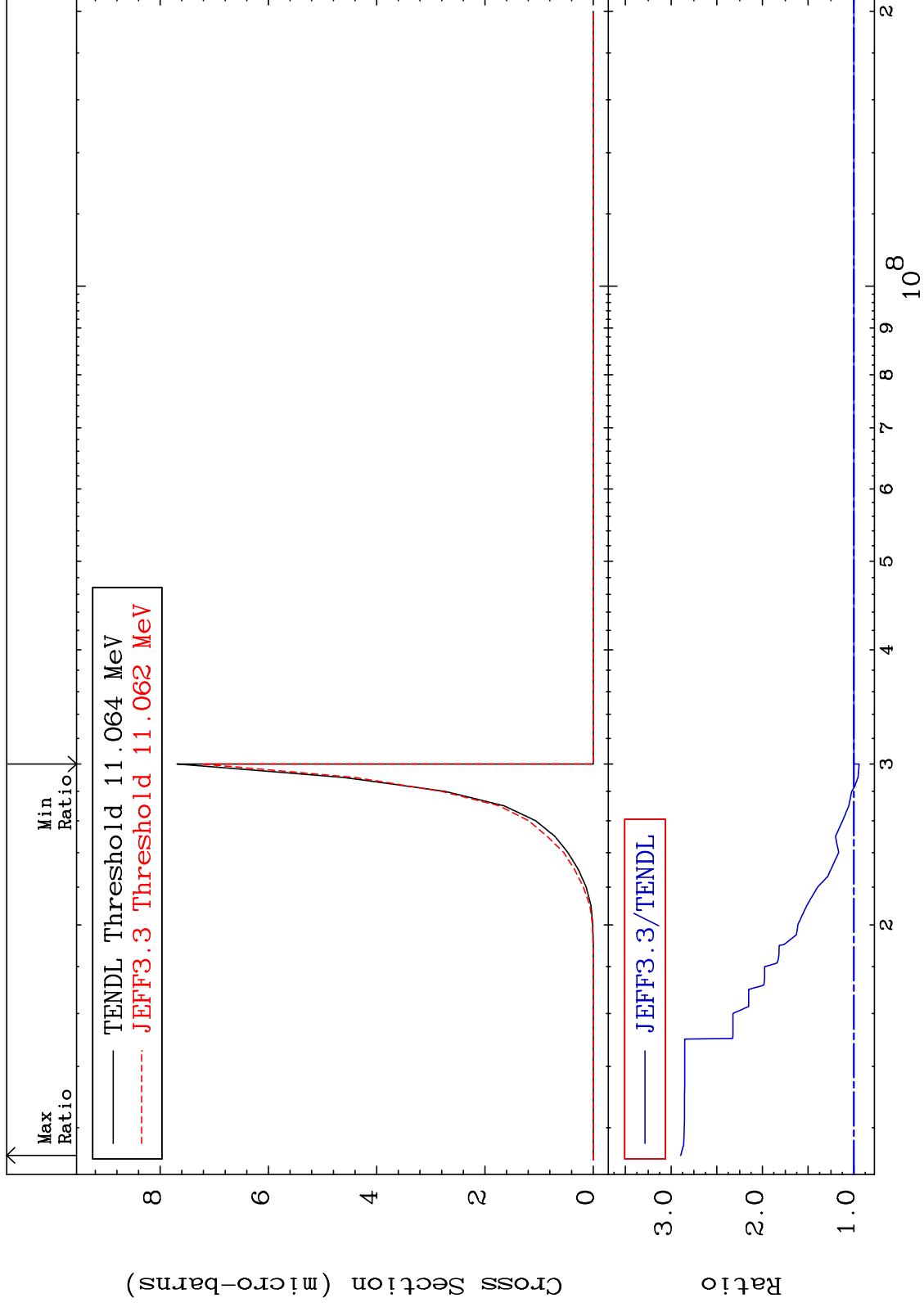
MAT 5431

(n,p) d

54-Xe-126

Cross Section

-5.871 To 189.6 %



60

Incident Energy (eV)

54-Xe-126

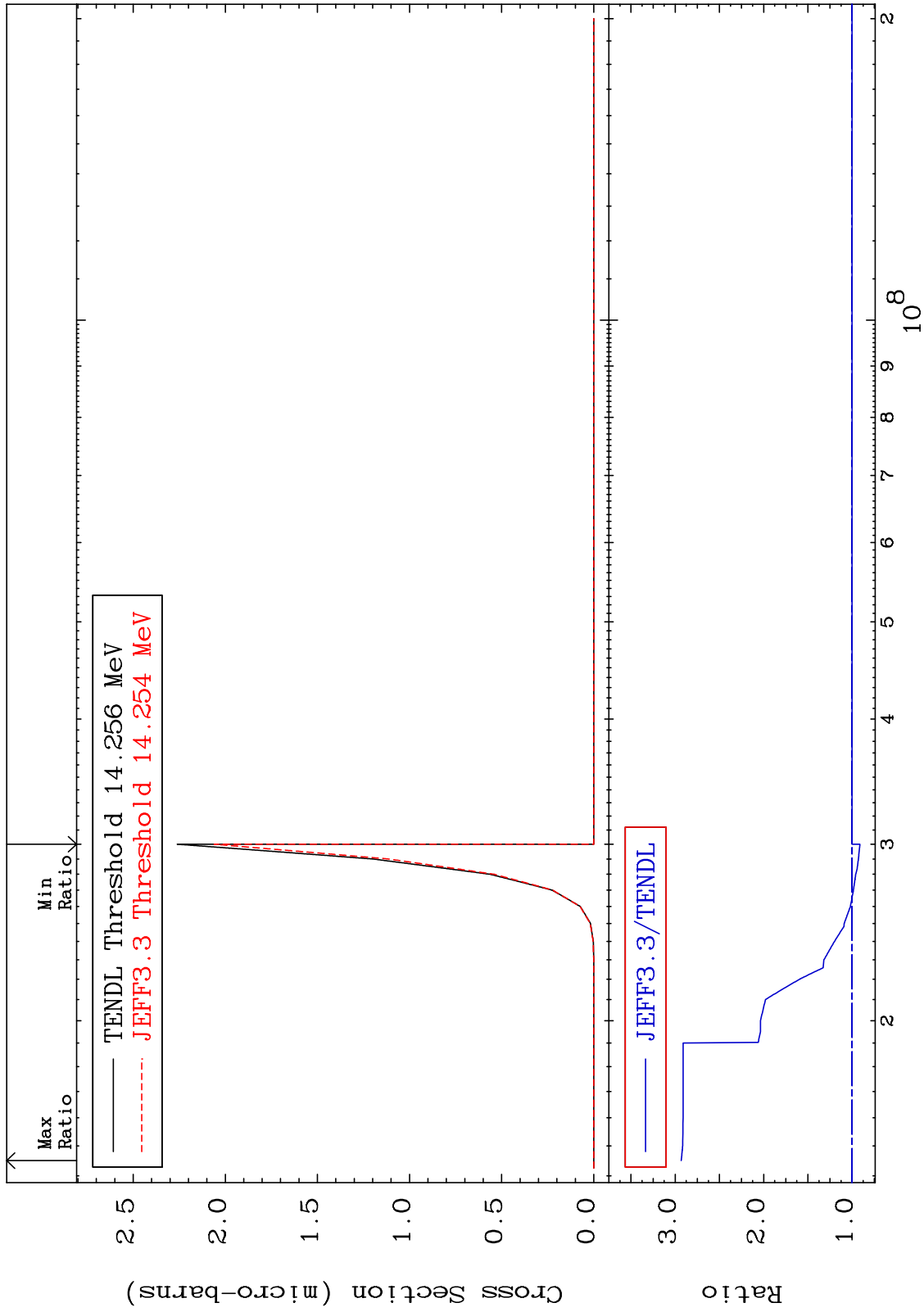
MAT 5431

(n,p) t

54-Xe-126

Cross Section

-8.837 To 193.2 %



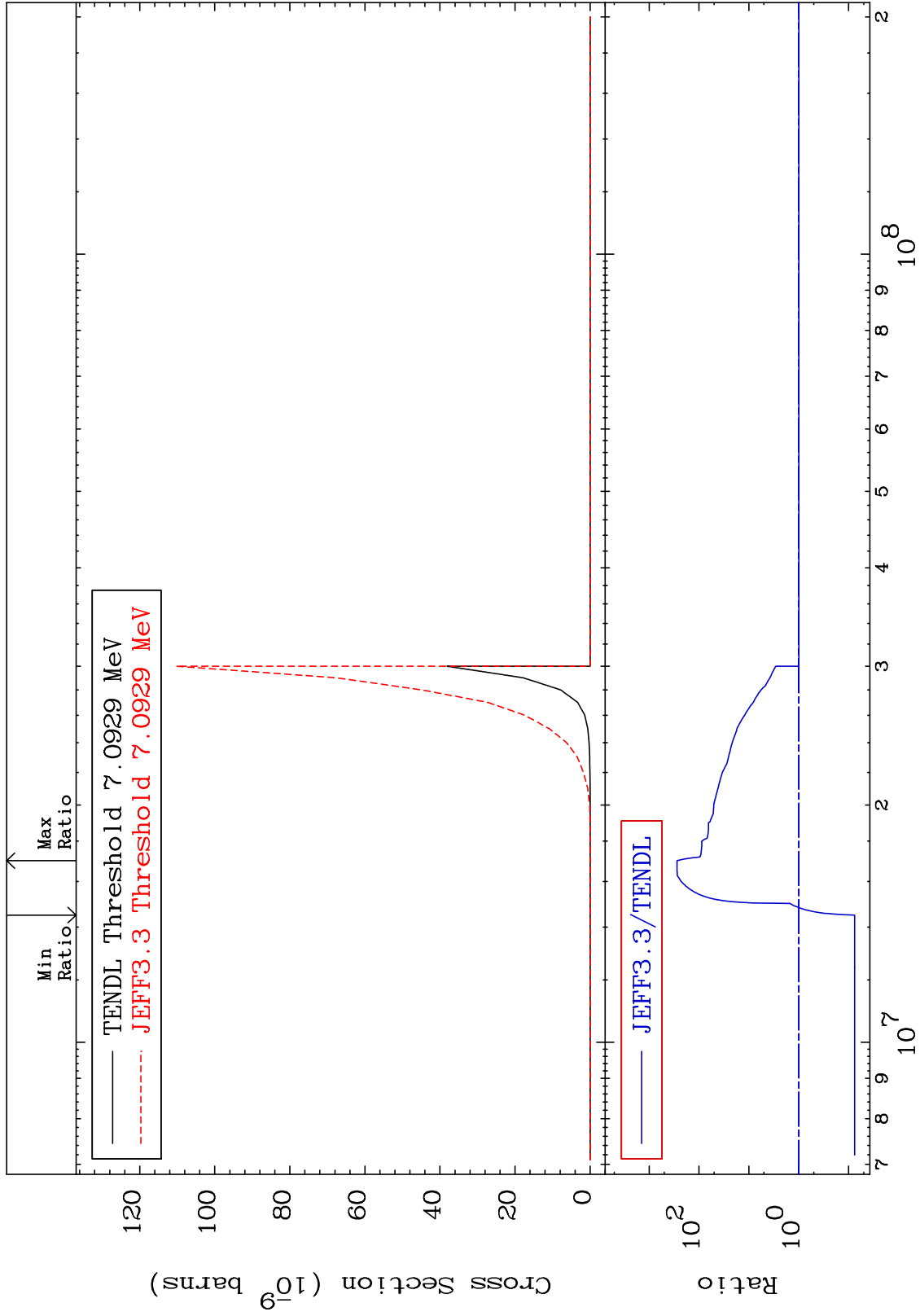
MAT 5431

(n,d) α

54-Xe-126

Cross Section

-92.43 To 9999. %



62

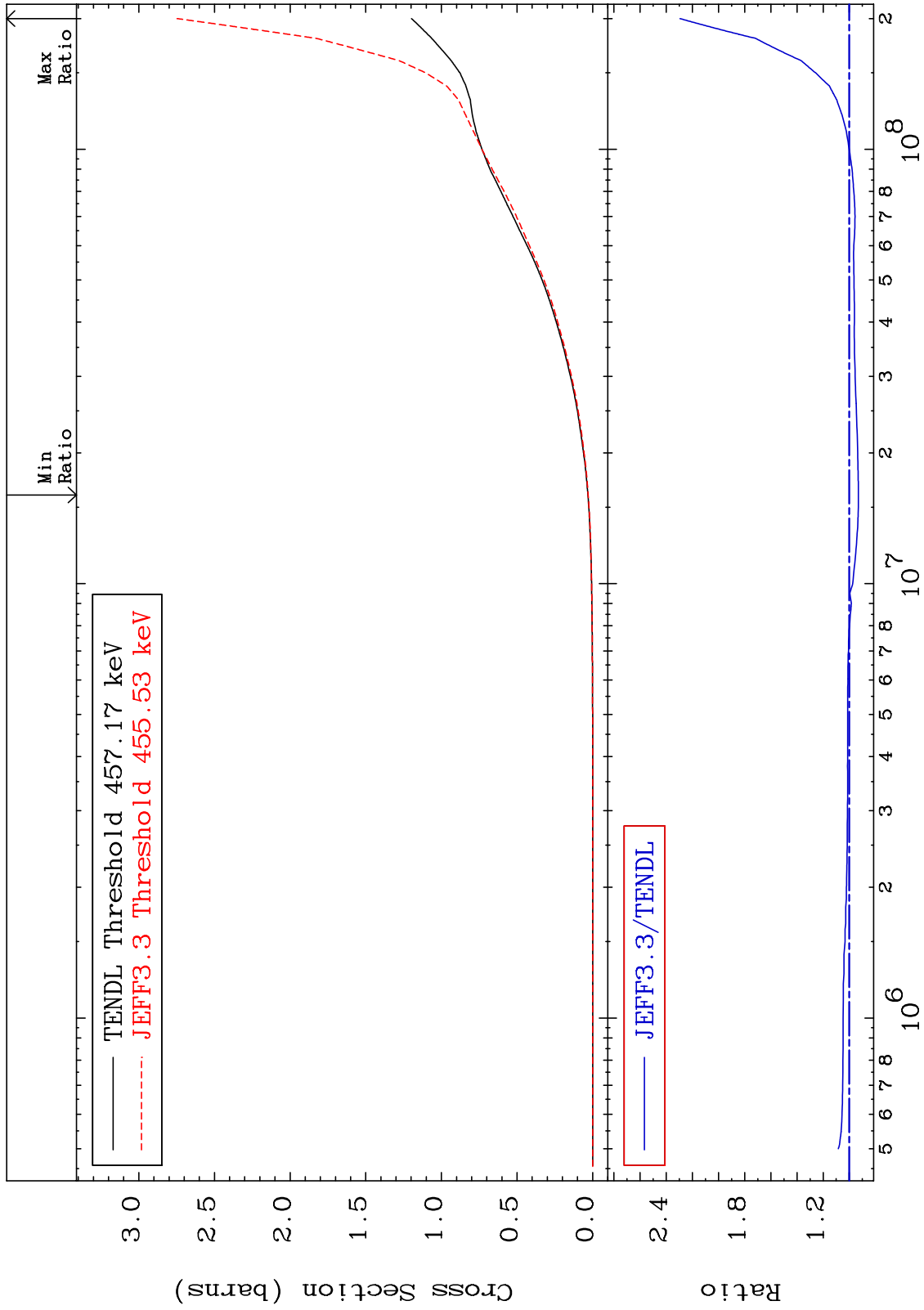
Incident Energy (eV)

54-Xe-126

MAT 5431

Hydrogen Production
Cross Section

54-Xe-126
-6.971 To 129.5 %



63

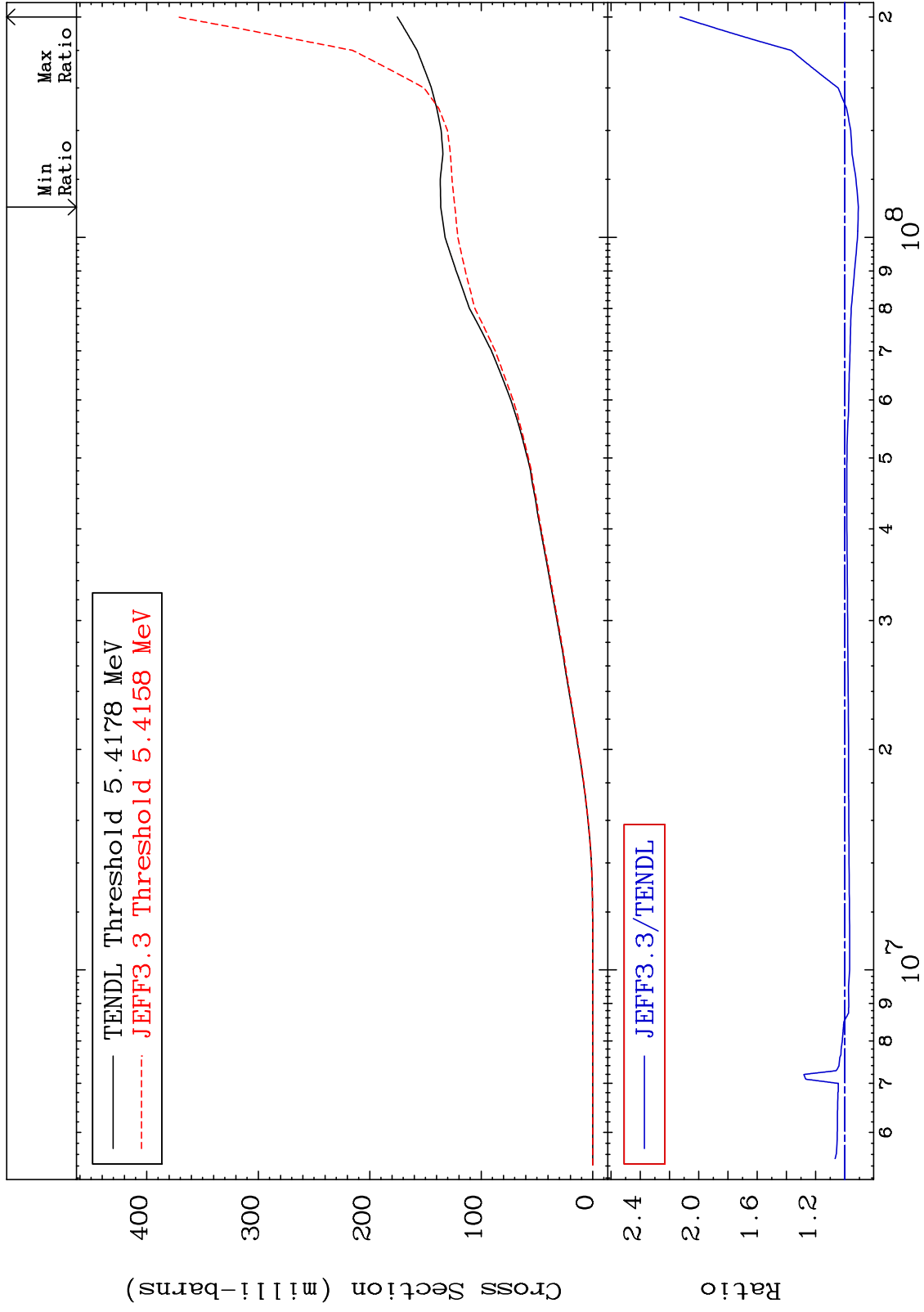
Incident Energy (eV)

54-Xe-126

MAT 5431

Deuterium Production
Cross Section

54-Xe-126
-9.338 To 112.7 %



64

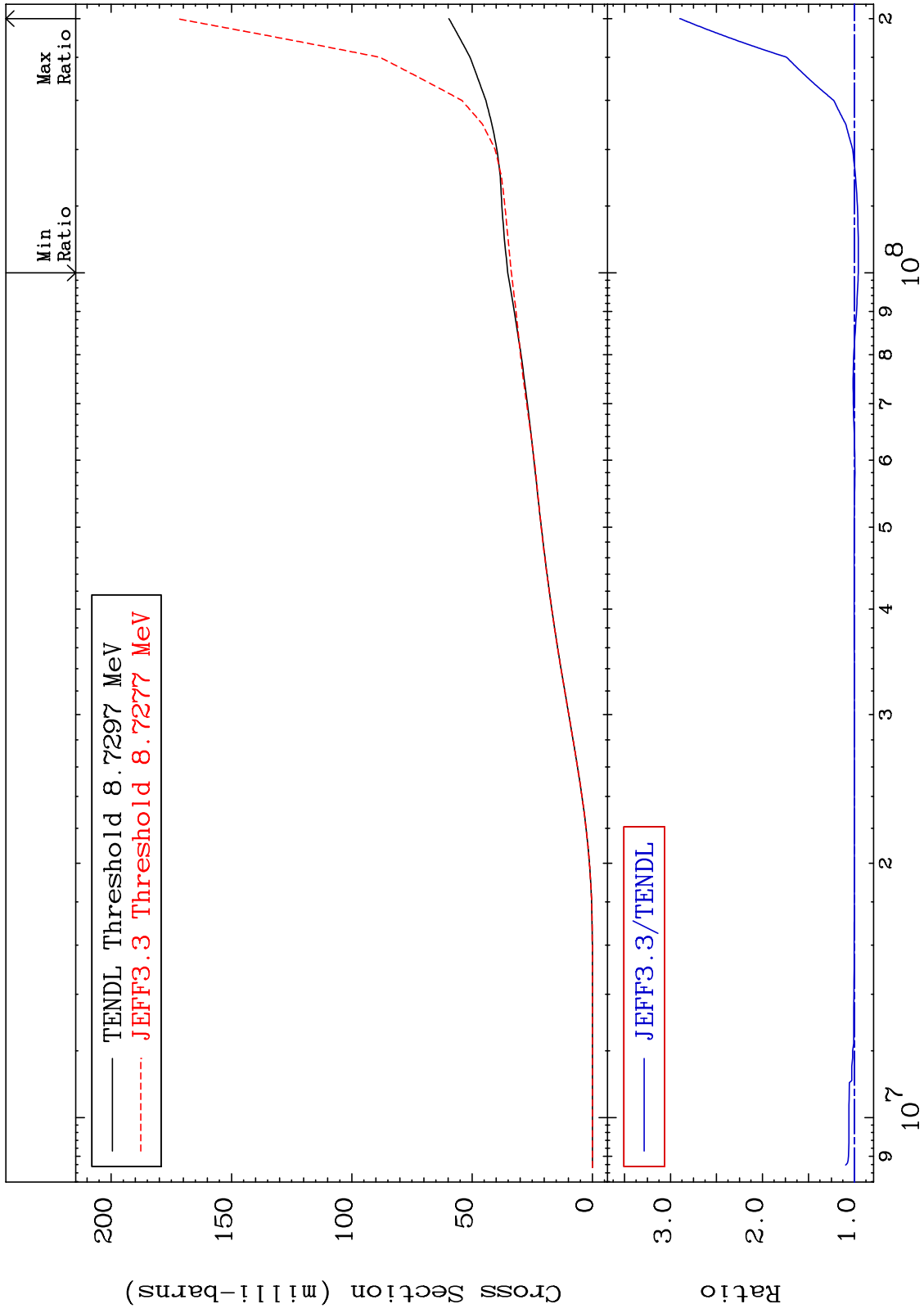
Incident Energy (eV)

54-Xe-126

MAT 5431

Tritium Production
Cross Section

54-Xe-126
-4.297 To 189.9 %



65

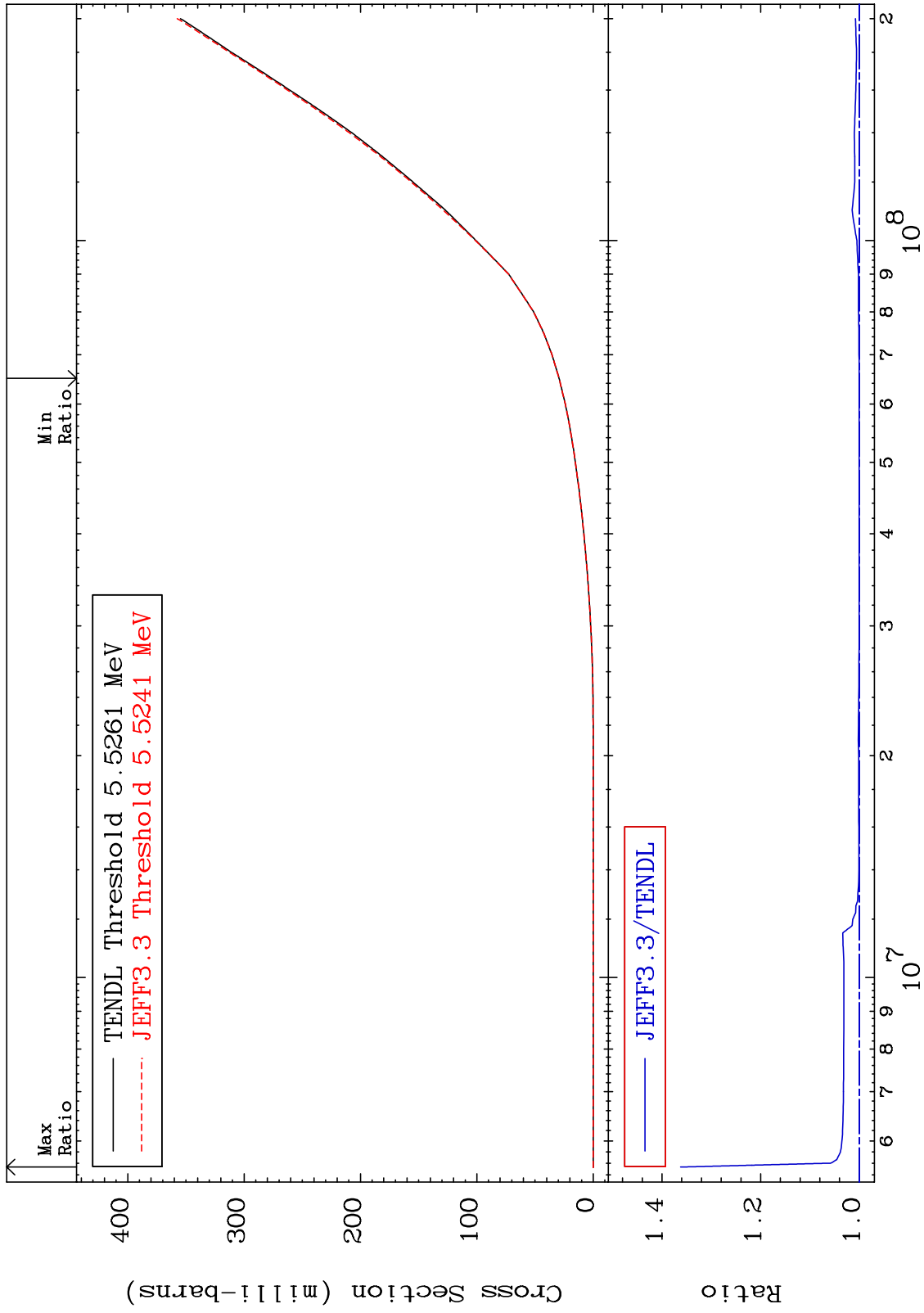
Incident Energy (eV)

54-Xe-126

MAT 5431

He-3 Production
Cross Section

54-Xe-126
0.026 To 36.22 %



66

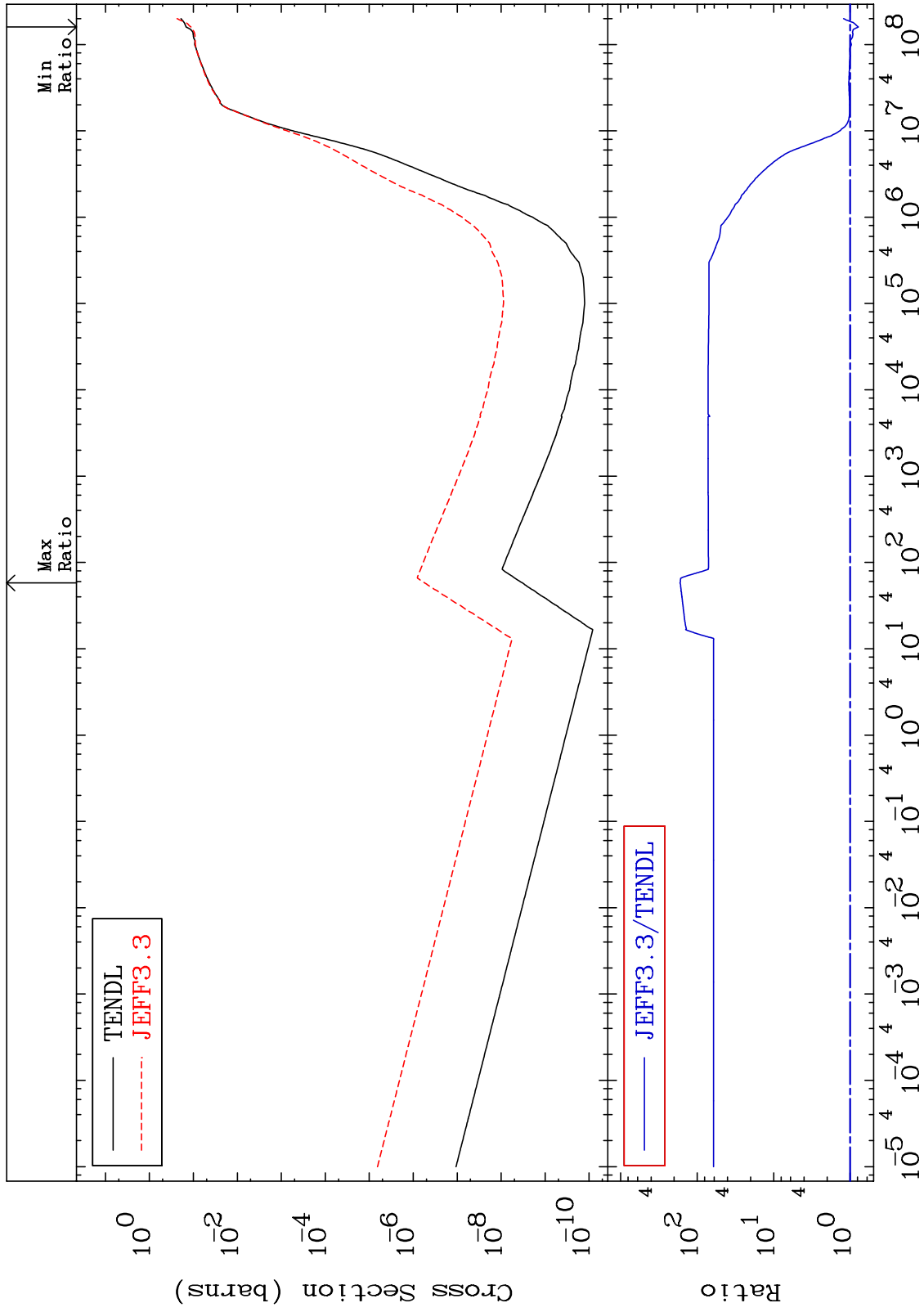
Incident Energy (eV)

54-Xe-126

MAT 5431

He-4 Production
Cross Section

54-Xe-126
-22.03 To 9999. %



67

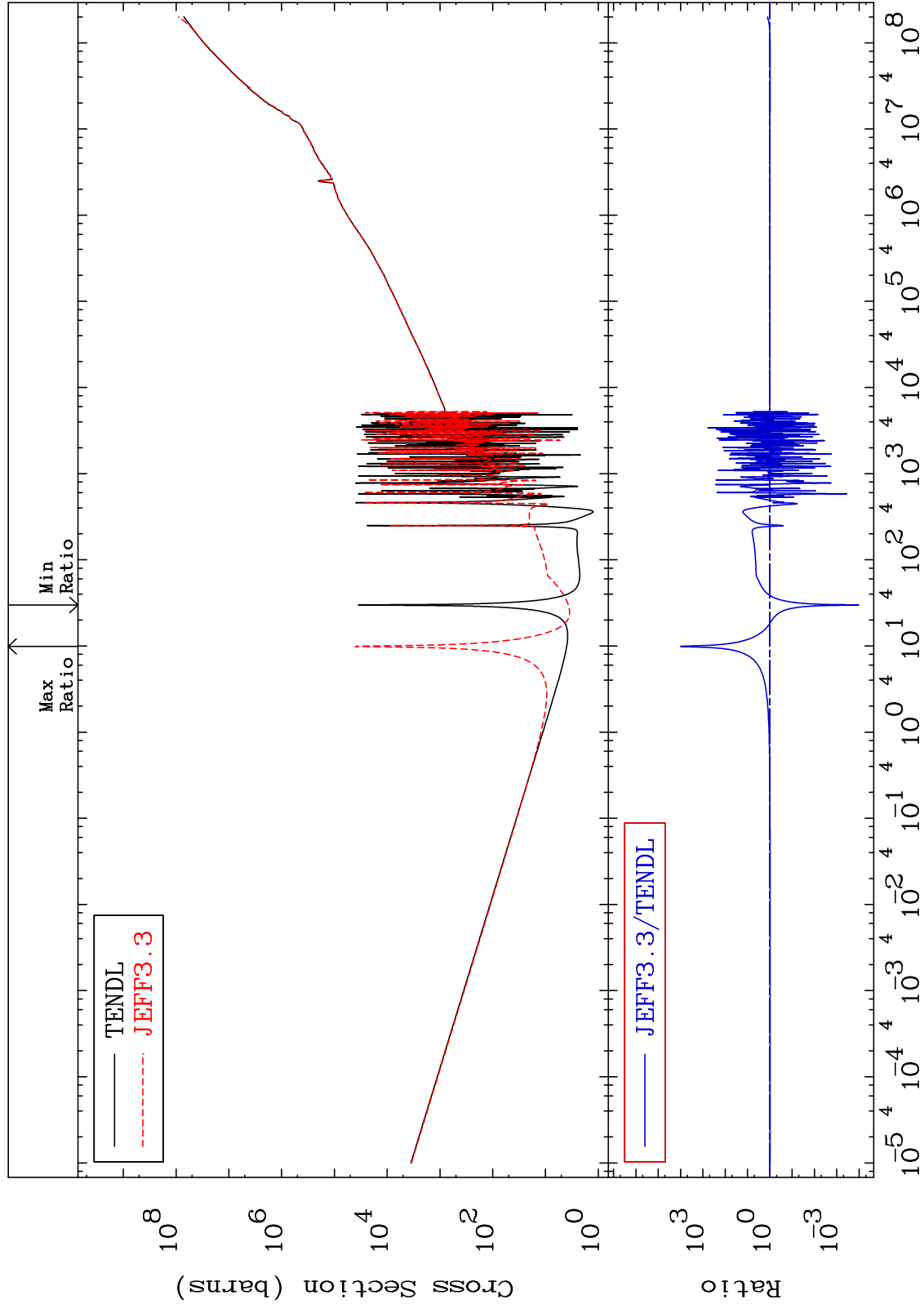
Incident Energy (eV)

54-Xe-126

MAT 5431

Kerma total (eV-barns)
Cross Section

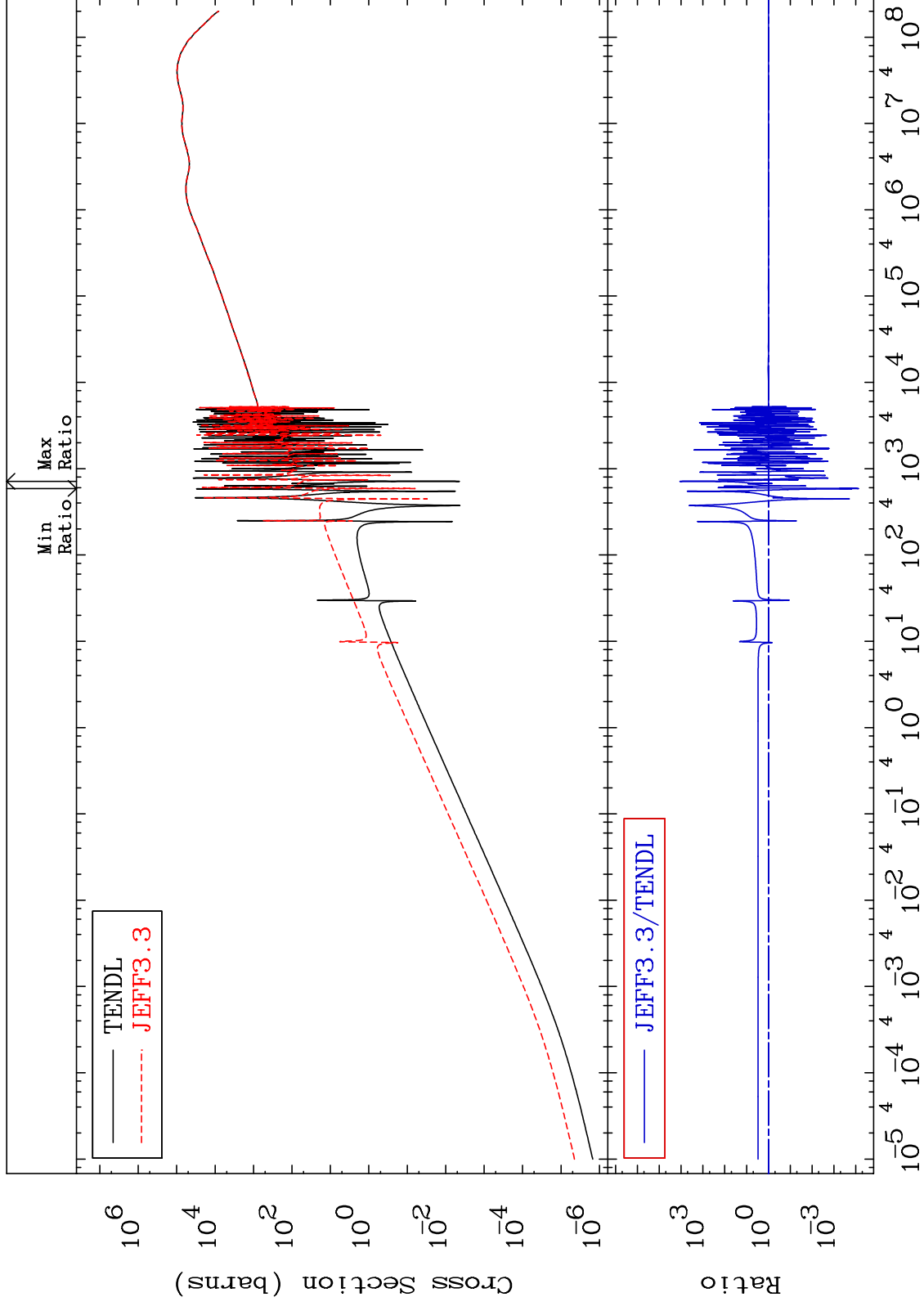
54-Xe-126
-99.99 To 9999. %



MAT 5431

Kerma elastic
Cross Section

54-Xe-126
-99.99 To 9999. %



69

Incident Energy (eV)

54-Xe-126

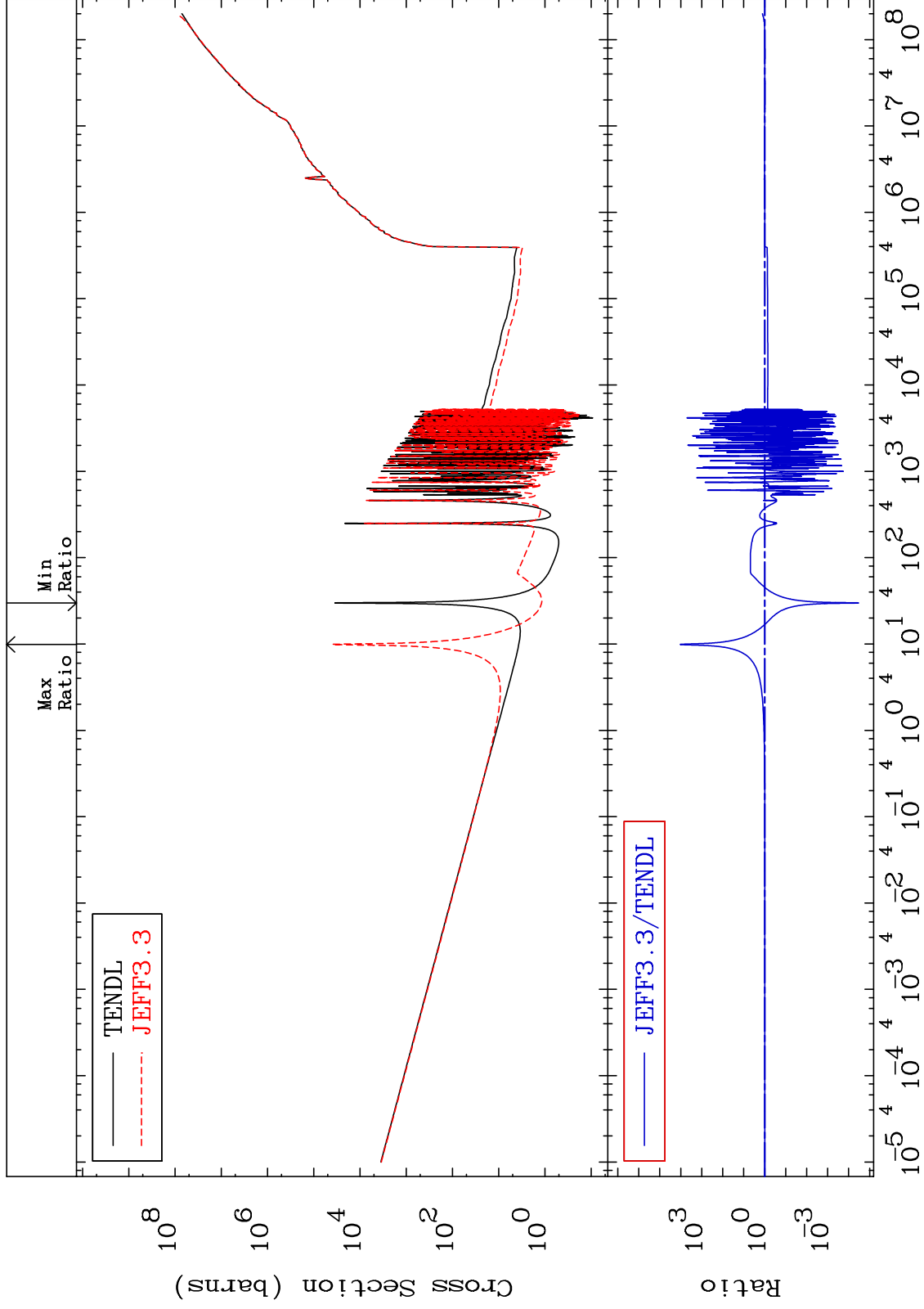
MAT 5431

Kerma non-elastic (all but mt2)

54-Xe-126

-100.0 To 9999. %

Cross Section



70

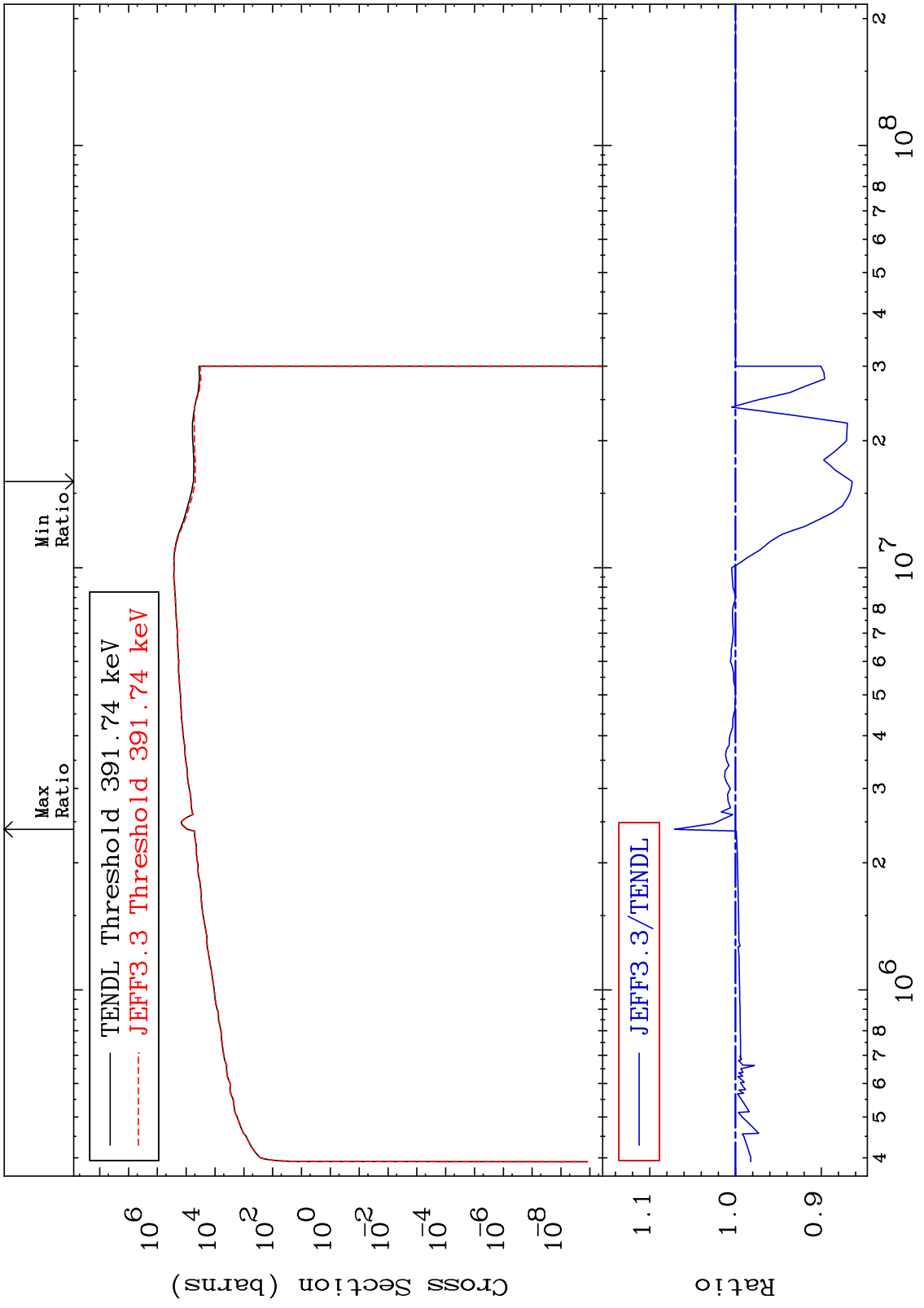
Incident Energy (eV)

54-Xe-126

MAT 5431

Kerma inelastic (mt51-91)
Cross Section

54-Xe-126
-13.60 To 7.097 %



71

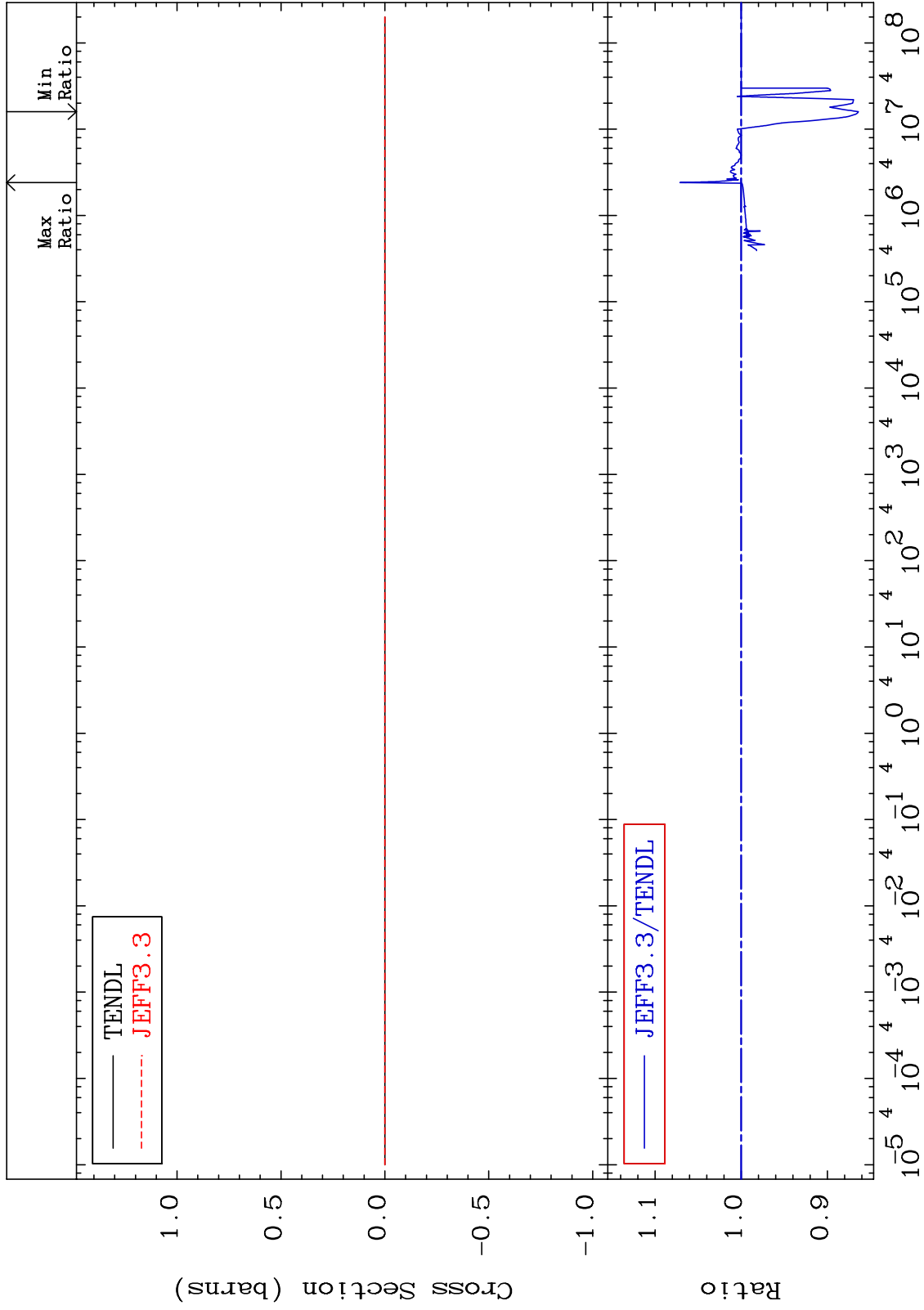
Incident Energy (eV)

54-Xe-126

MAT 5431

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

54-Xe-126
-13.60 To 7.097 %



72

Incident Energy (eV)

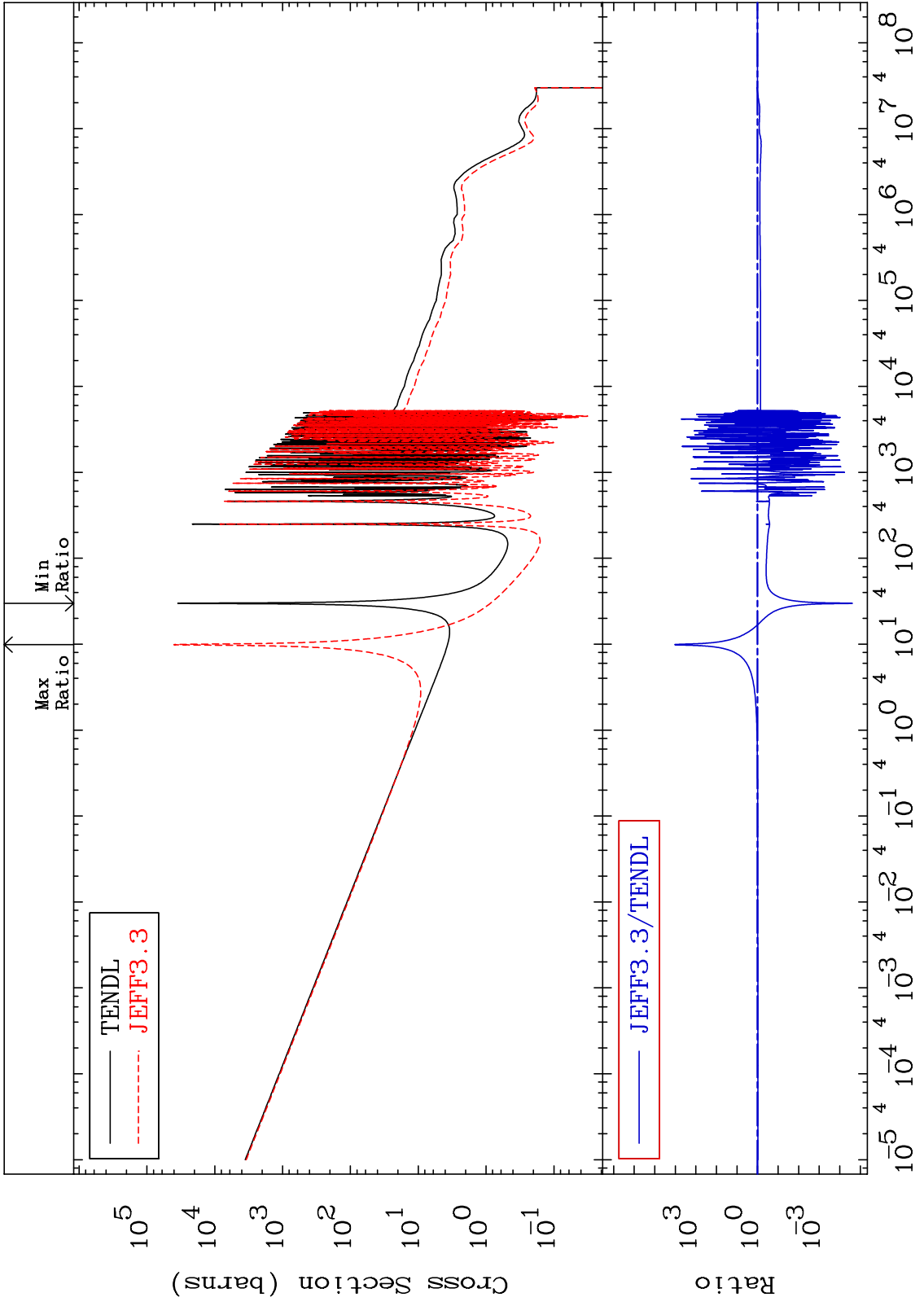
54-Xe-126

MAT 5431

Kerma capture (mt102)

54-Xe-126

-100.0 To 9999. %



73

Incident Energy (eV)

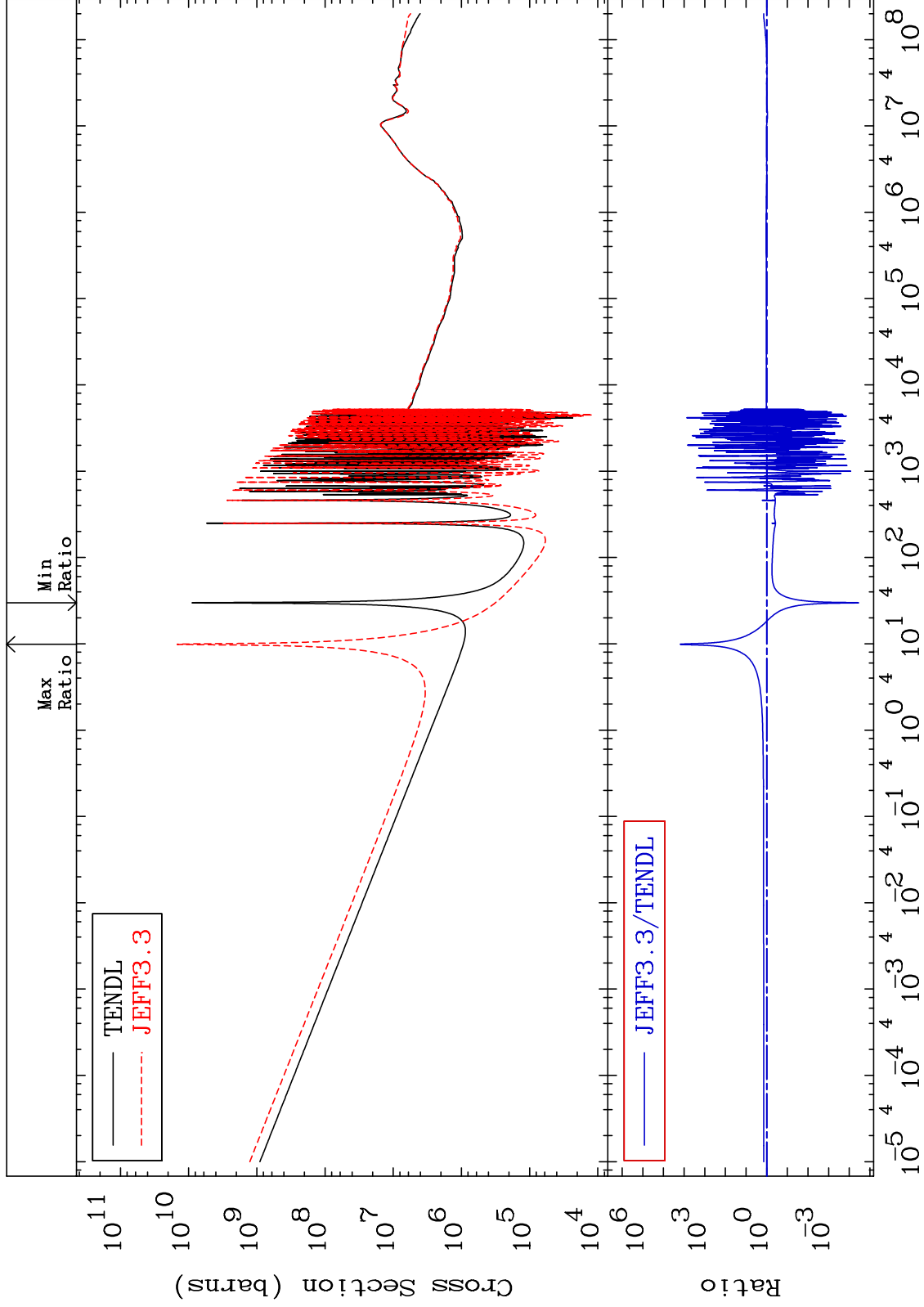
54-Xe-126

MAT 5431

Total photon (eV-barns)
Cross Section

54-Xe-126

-100.0 To 9999. %



74

Incident Energy (eV)

54-Xe-126

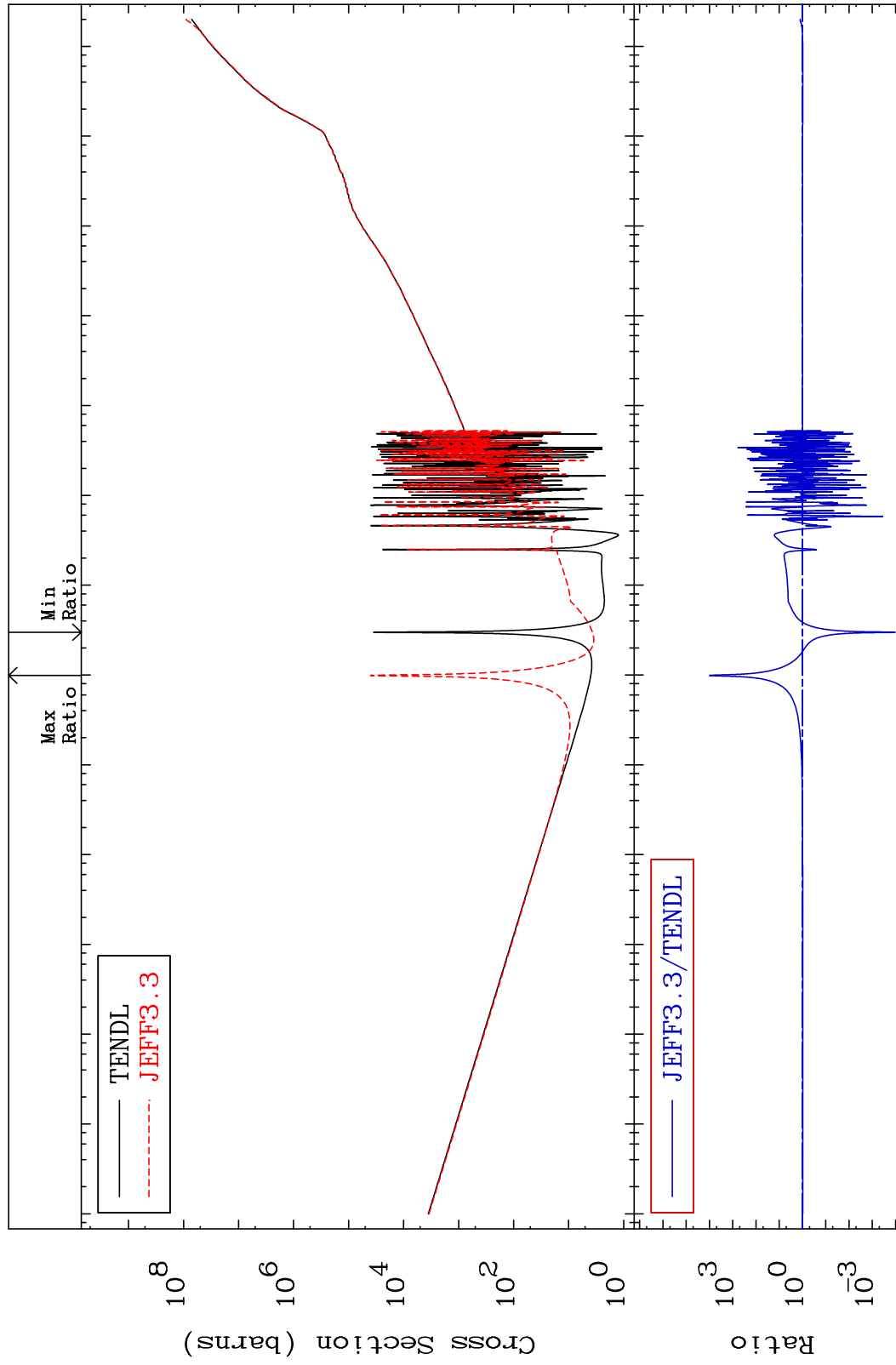
MAT 5431

Total kinematic kerma (high limit)

54-Xe-126

-99.99 To 9999. %

Cross Section



75

Incident Energy (eV)

54-Xe-126

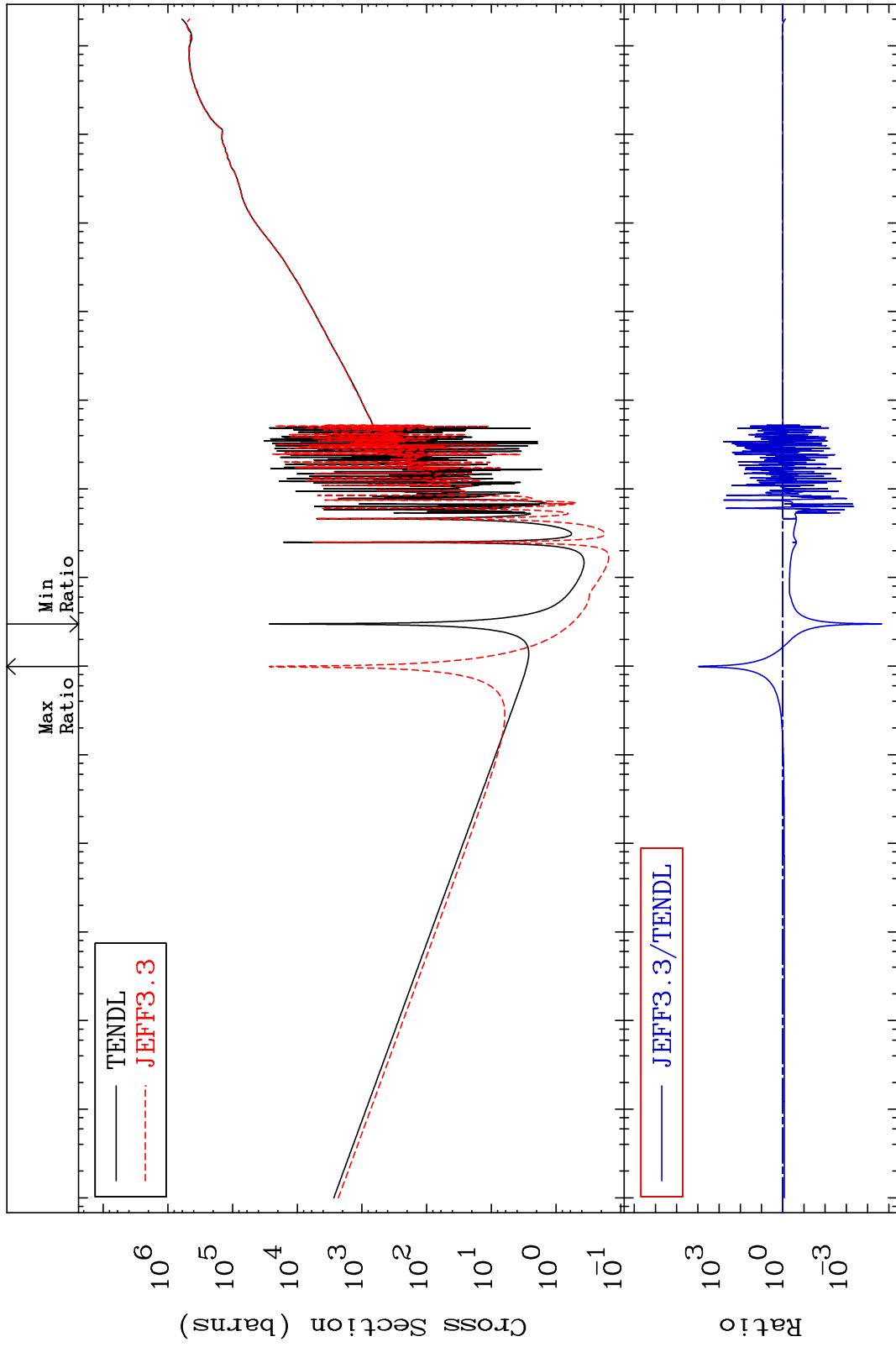
MAT 5431

Dpa total (eV-barns)

54-Xe-126

-100.0 To 9999. %

Cross Section



Incident Energy (eV)

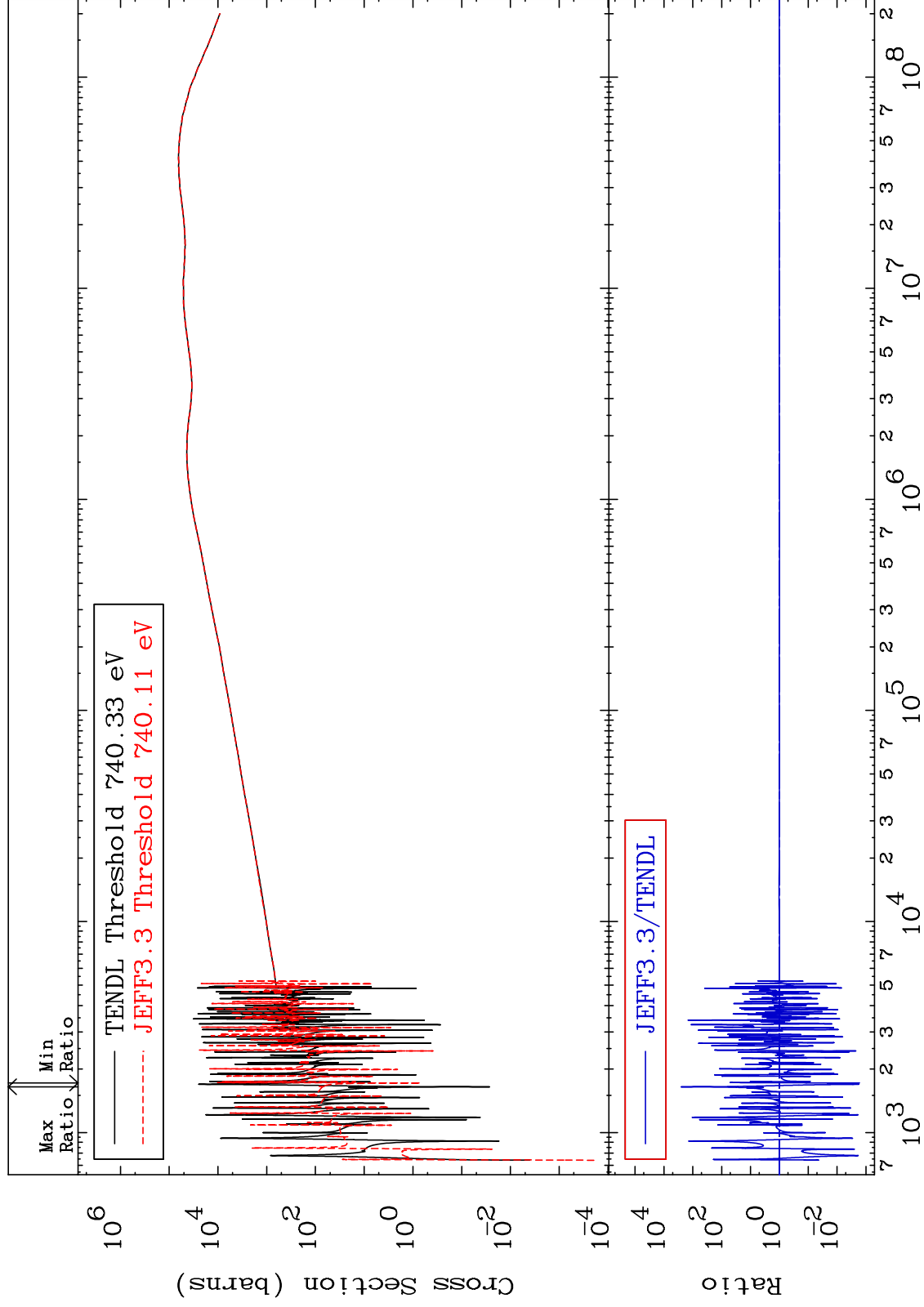
76

54-Xe-126

MAT 5431

Dpa elastic (mt2)
Cross Section

54-Xe-126
-99.83 To 9999. %



77

Incident Energy (eV)

54-Xe-126

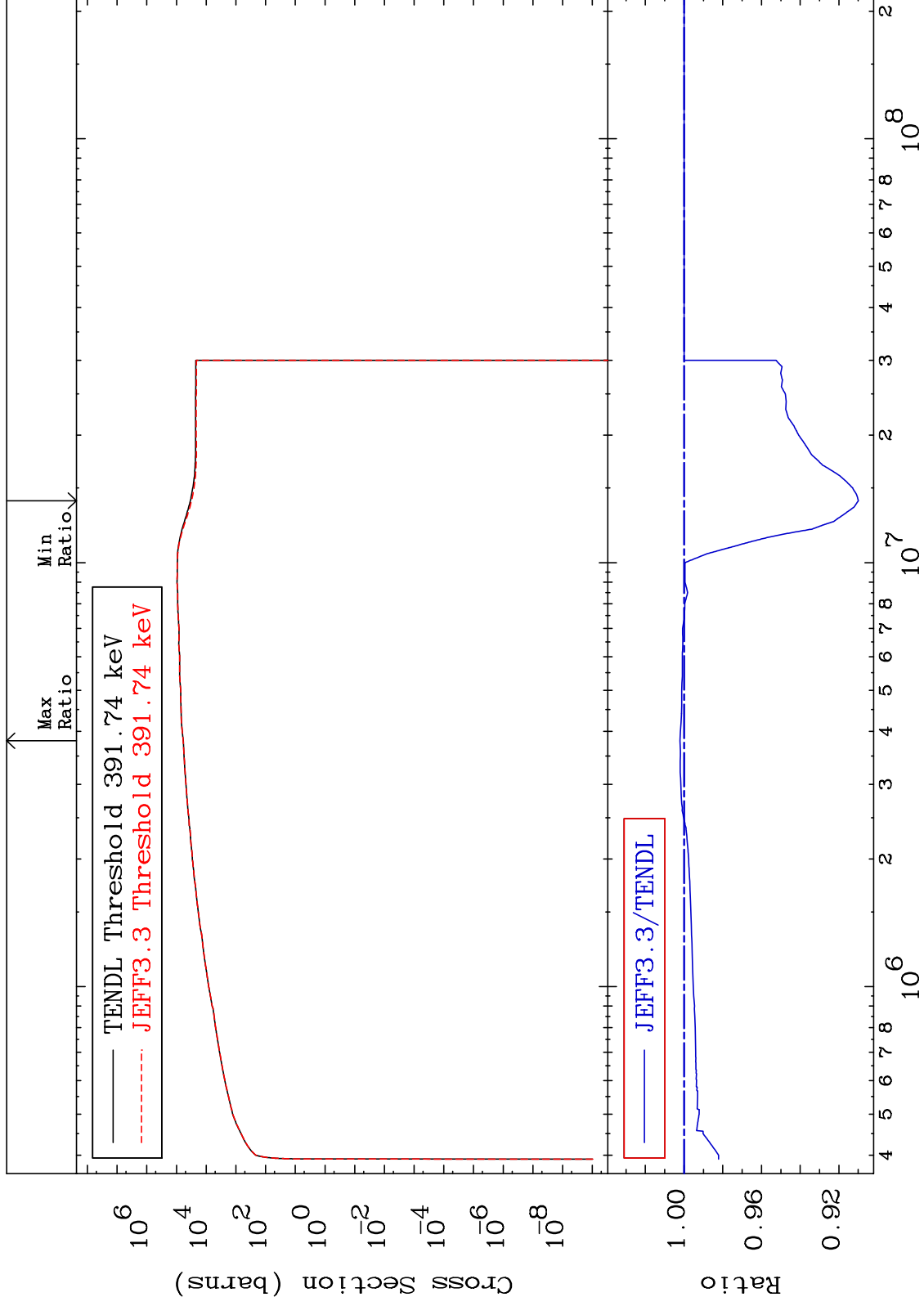
MAT 5431

Dpa inelastic (mt51-91)

54-Xe-126

-9.008 To 0.209 %

Cross Section



78

Incident Energy (eV)

54-Xe-126

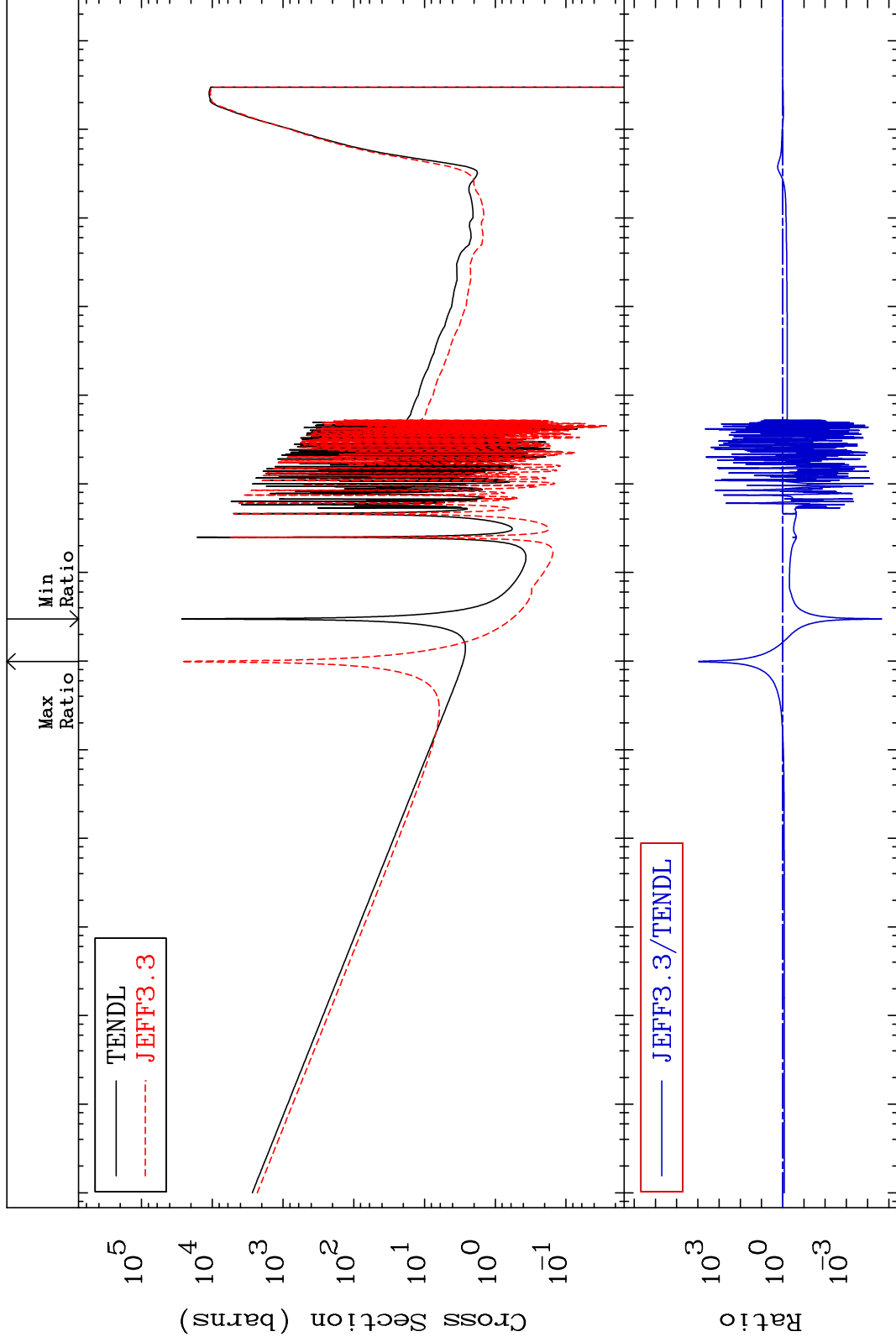
MAT 5431

Dpa disappearance (mt102 -120)

54-Xe-126

-100.0 To 9999. %

Cross Section

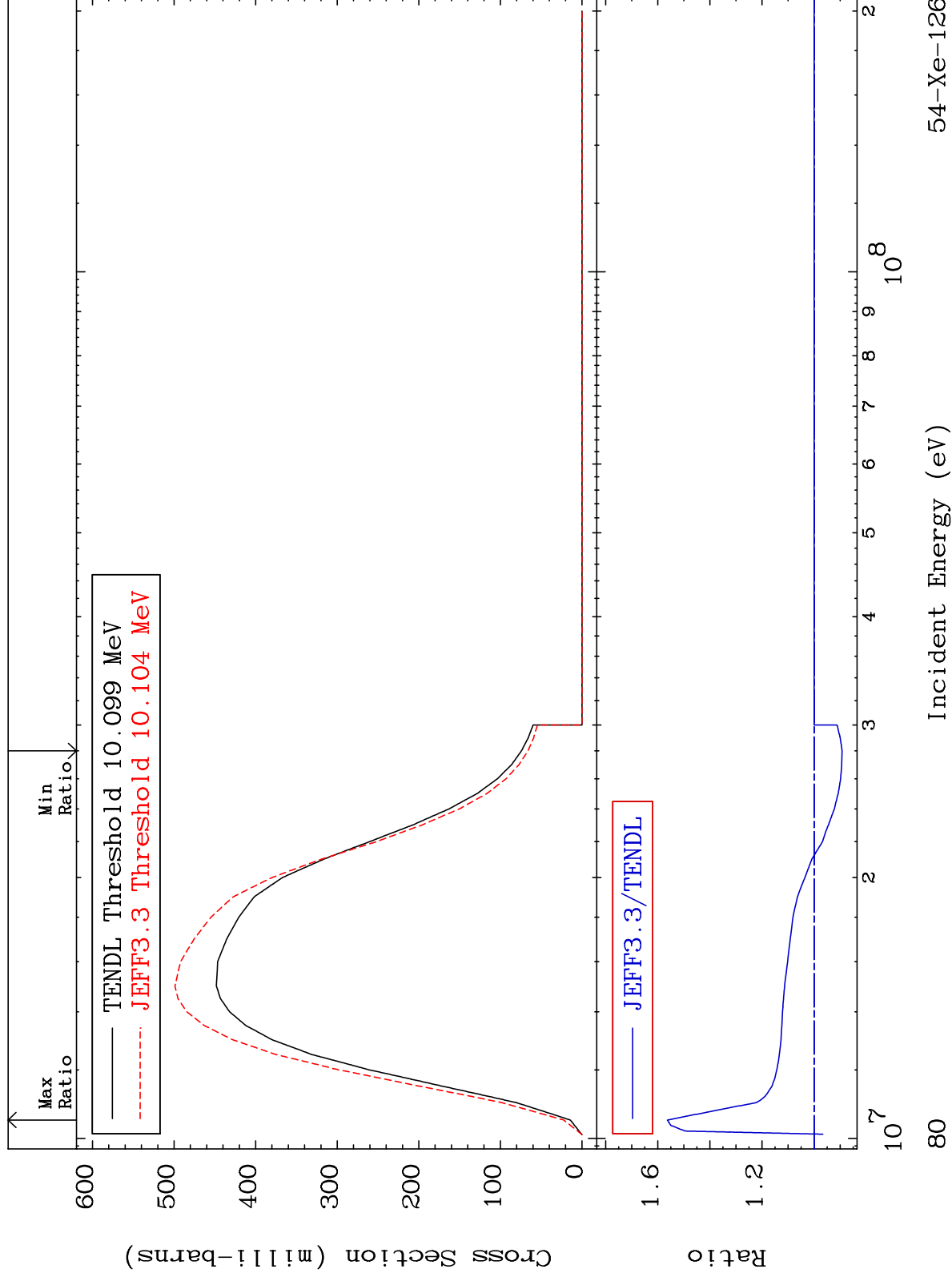


MAT 5431

(n,2n):54-Xe-125g

54-Xe-126

Radionuclide Production Cross Section -10.77 To 56.29 %

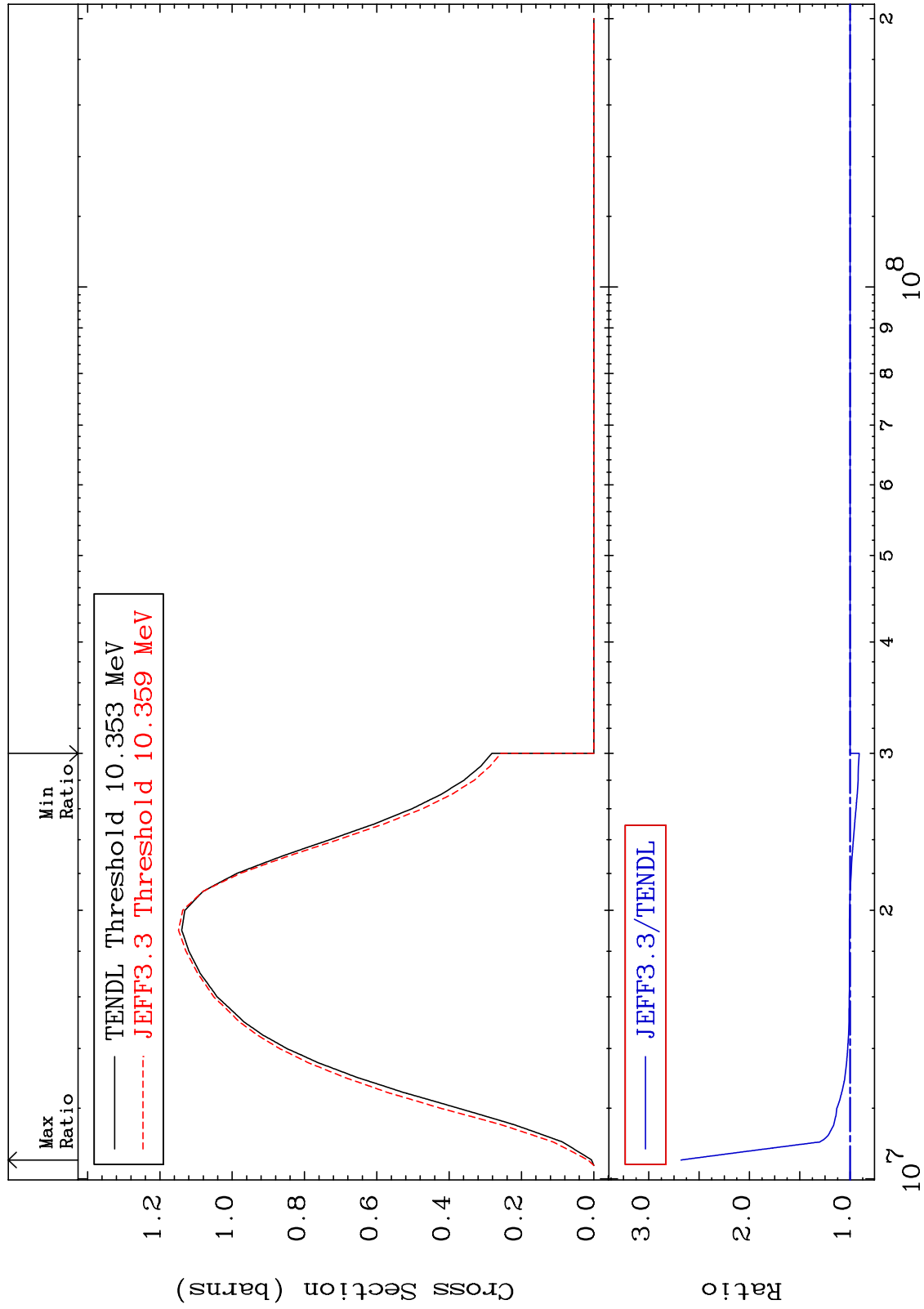


MAT 5431

(n,2n):54-Xe-125m2

54-Xe-126

Radionuclide Production Cross Section -9.053 To 167.9 %



81

Incident Energy (eV)

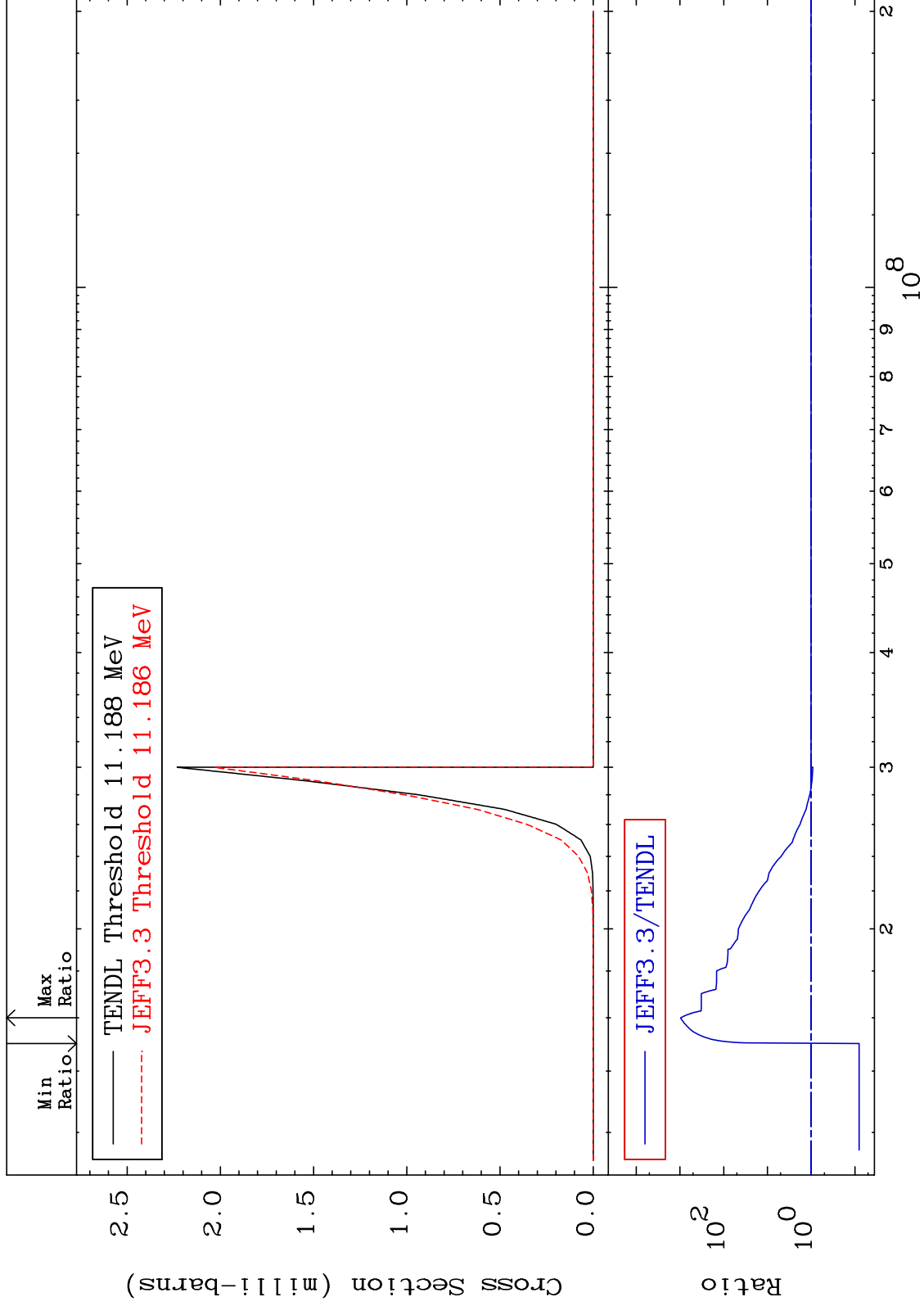
54-Xe-126

MAT 5431

(n,2n) α :52-Te-121g

54-Xe-126

Radionuclide Production Cross Section -92.00 To 9999. %

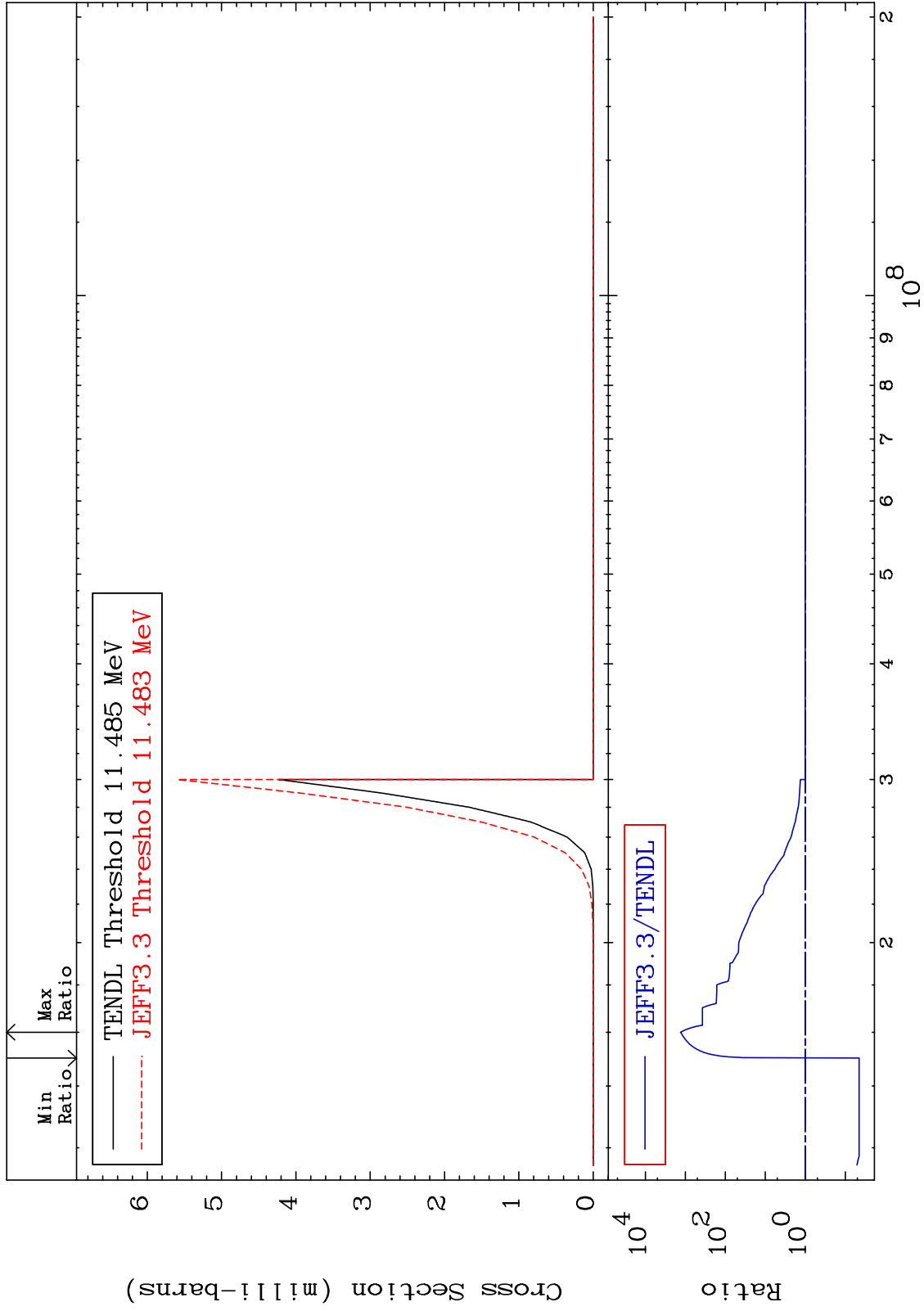


MAT 5431

(n,2n) α :52-Te-121m2

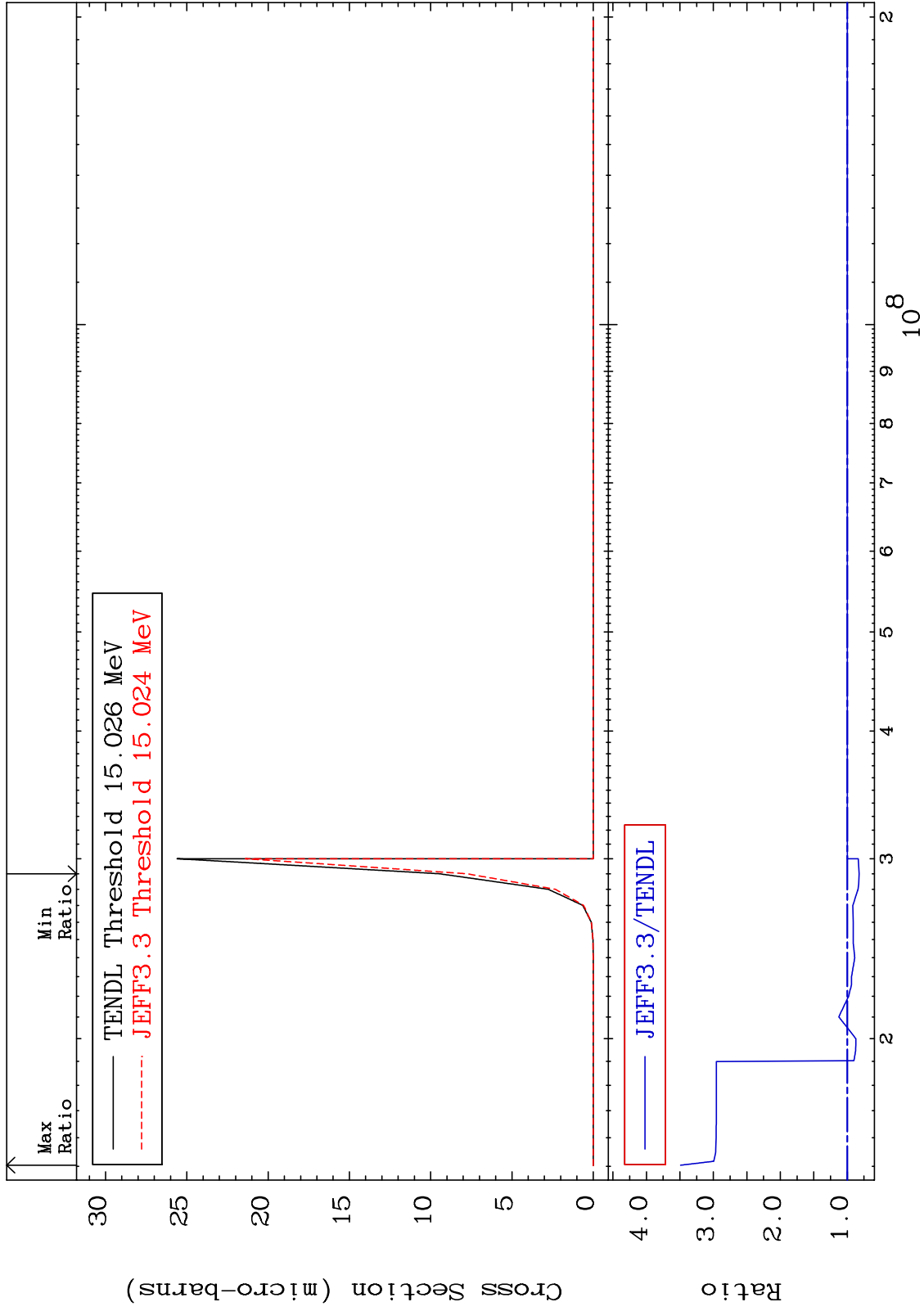
54-Xe-126

Radionuclide Production Cross Section -95.50 To 9999. %



MAT 5431

(n, n') He-3:52-Te-123g 54-Xe-126
Radionuclide Production Cross Section -17.75 To 248.9 %

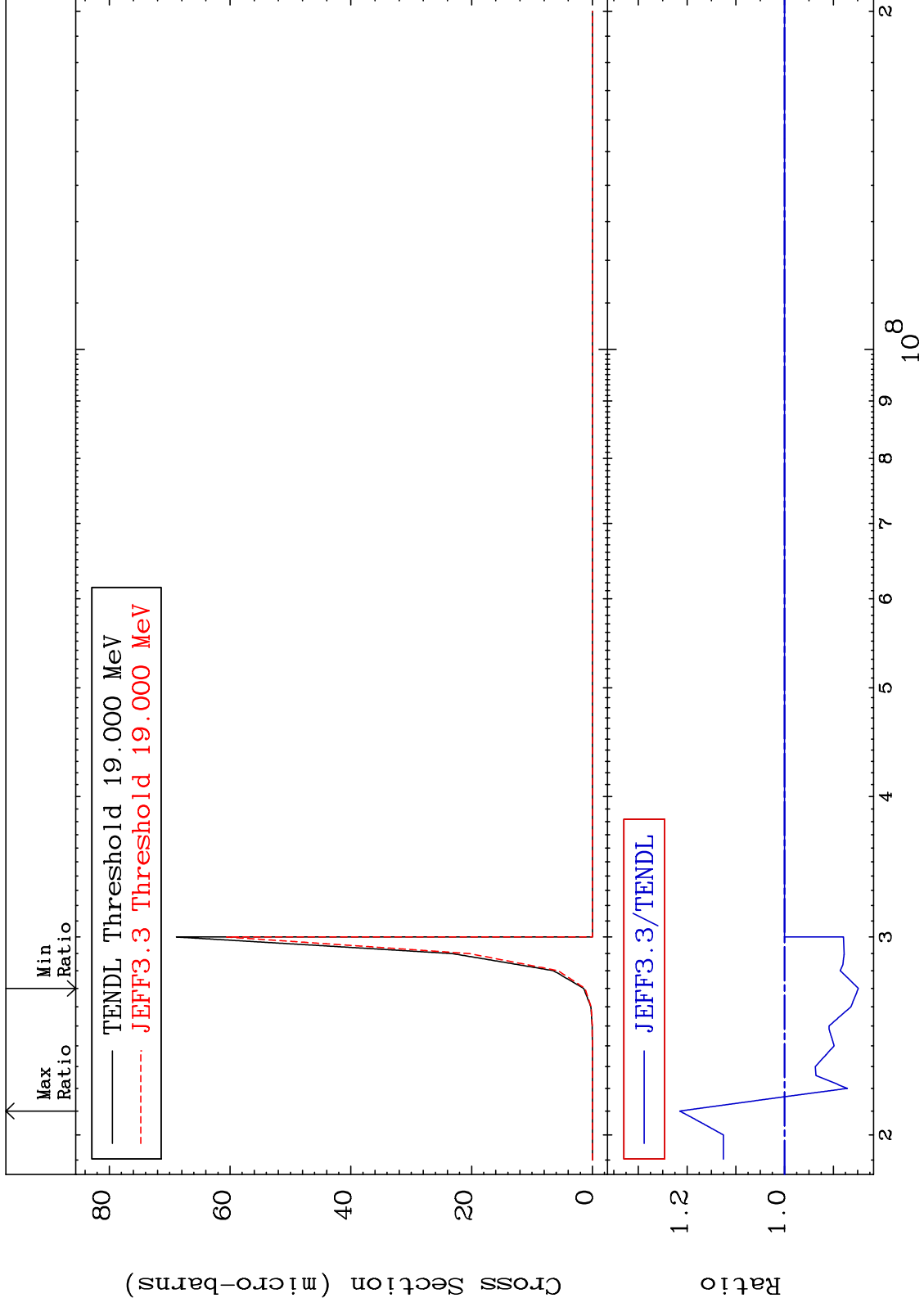


MAT 5431

(n, n') He-3:52-Te-123m2

54-Xe-126

Radionuclide Production Cross Section -15.13 To 21.49 %



85

Incident Energy (eV)

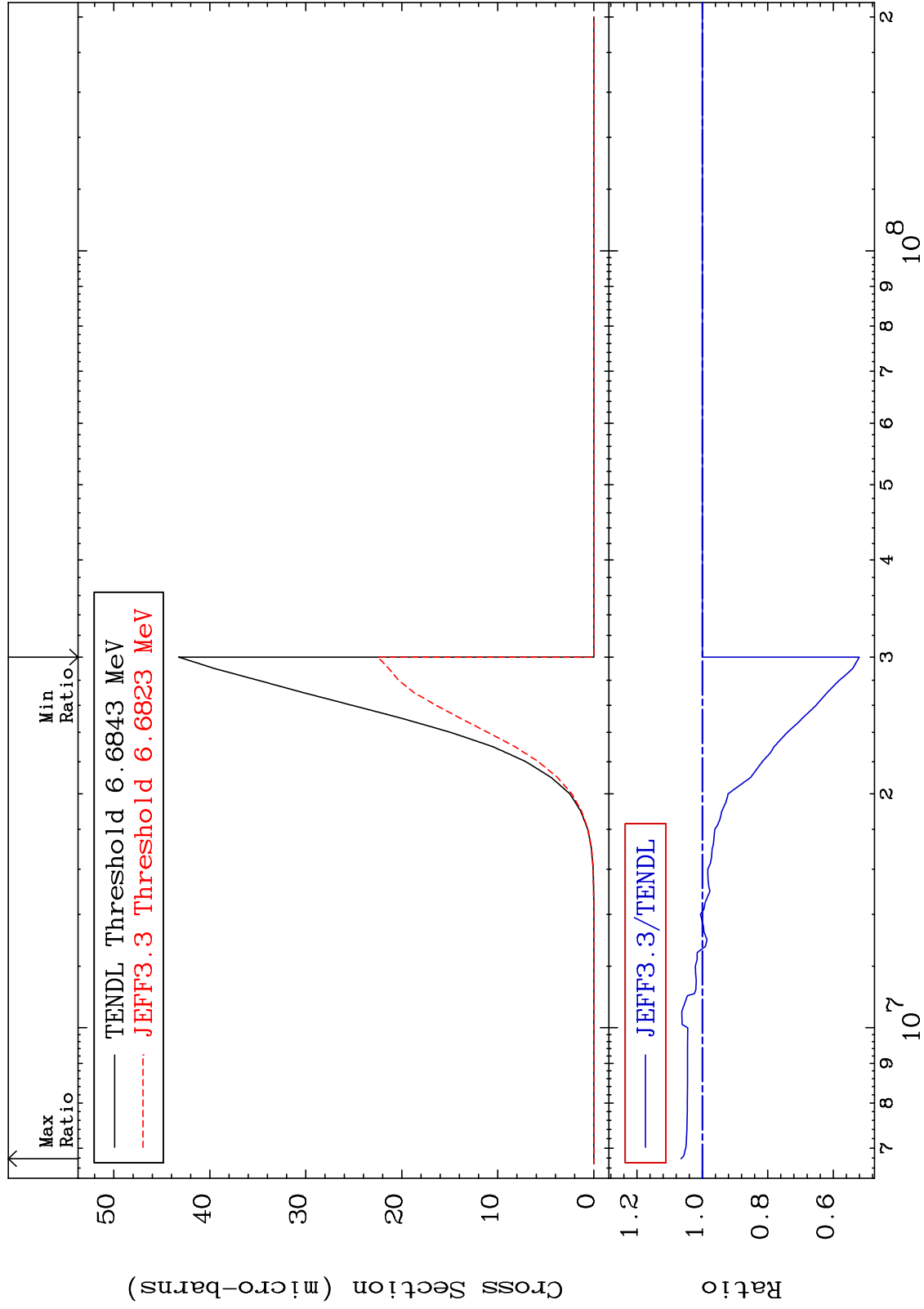
54-Xe-126

MAT 5431

(n,2p):52-Te-125g

54-Xe-126

Radionuclide Production Cross Section -47.96 To 6.509 %

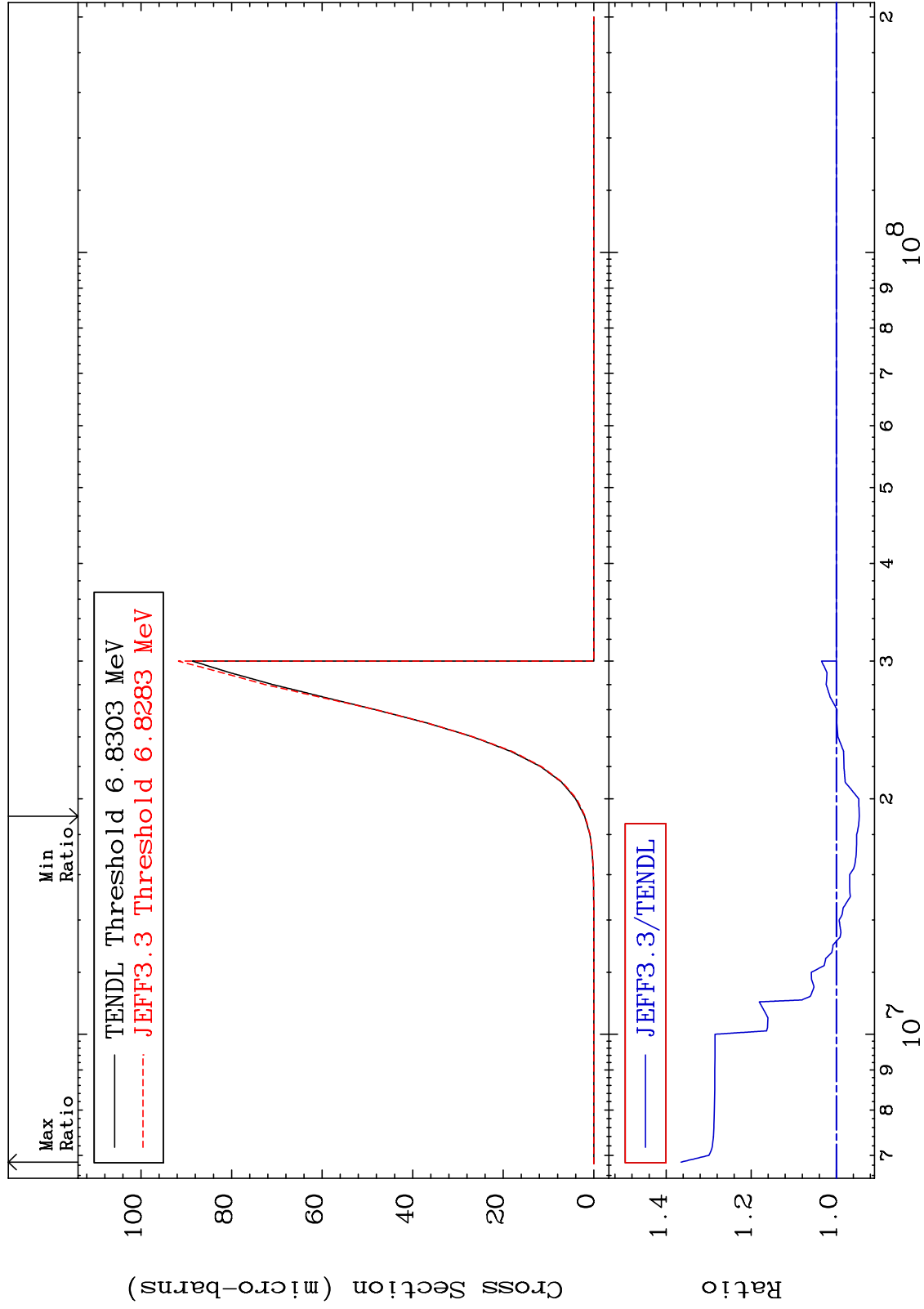


MAT 5431

(n,2p):52-Te-125m2

54-Xe-126

Radionuclide Production Cross Section -5.398 To 36.48 %



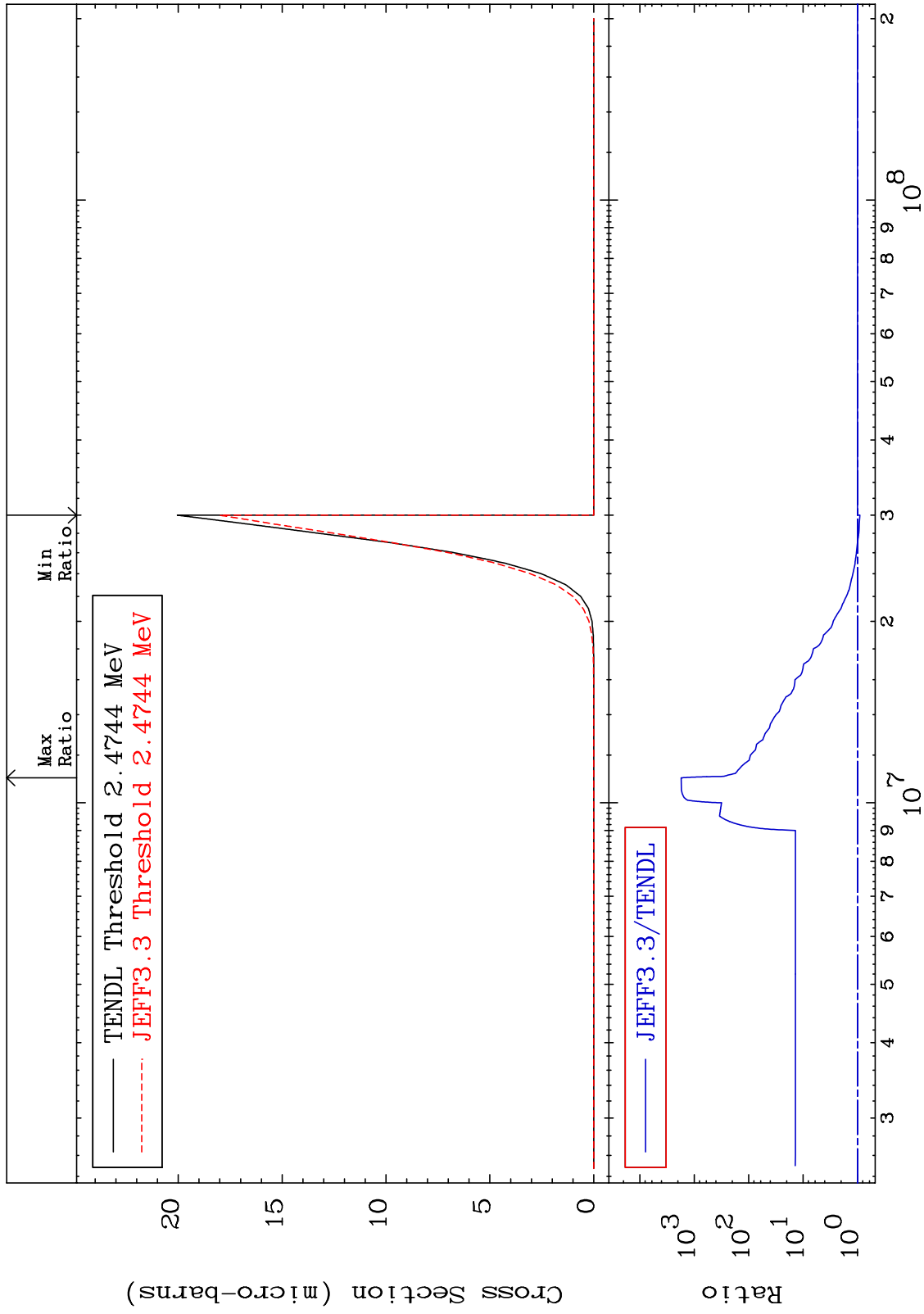
87

Incident Energy (eV)

54-Xe-126

MAT 5431

(n, p) α :51-Sb-122g 54-Xe-126
Radionuclide Production Cross Section -10.16 To 9999. %

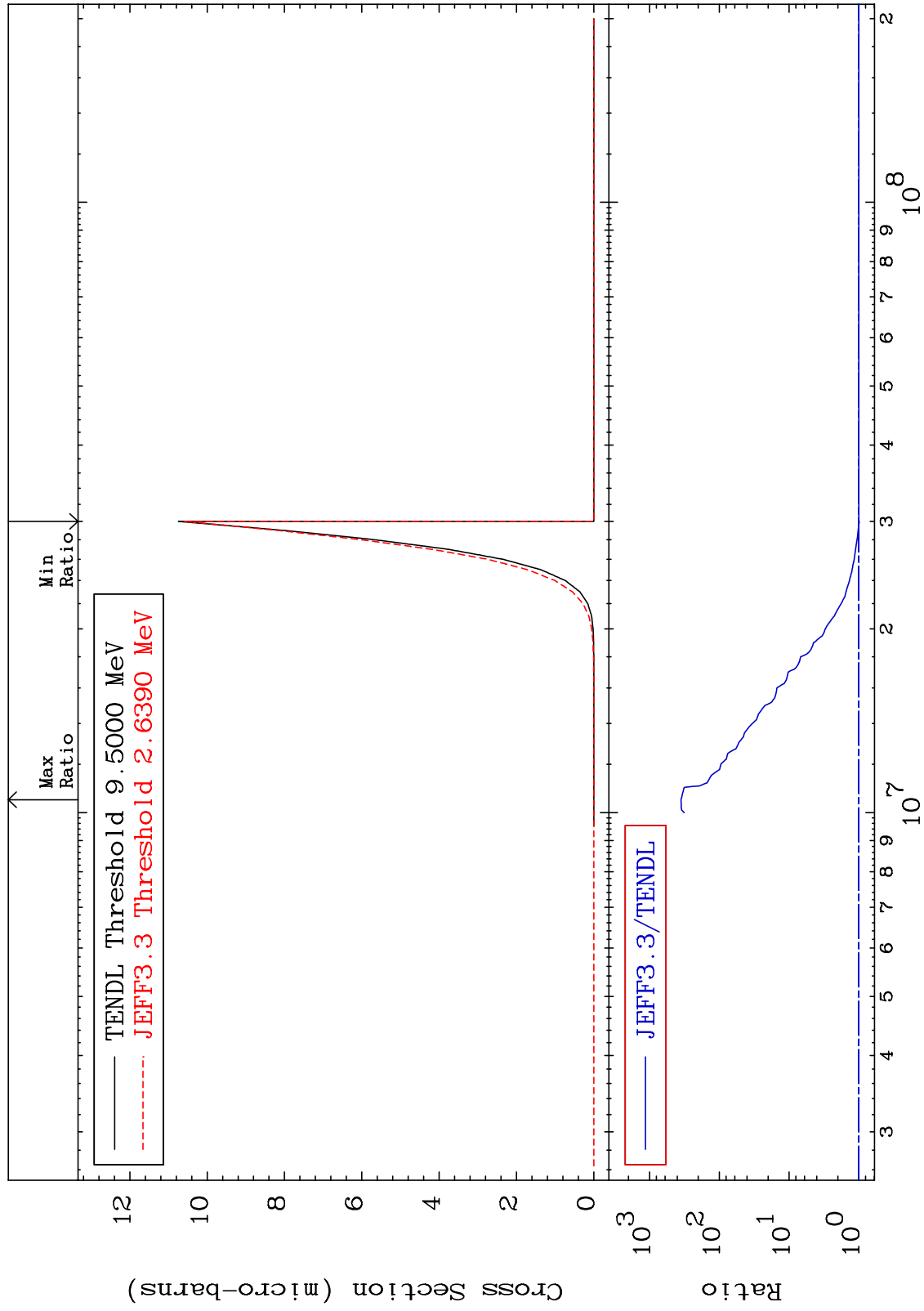


MAT 5431

(n, p) α :51-Sb-122m5

54-Xe-126

Radionuclide Production Cross Section -1.497 To 9999. %



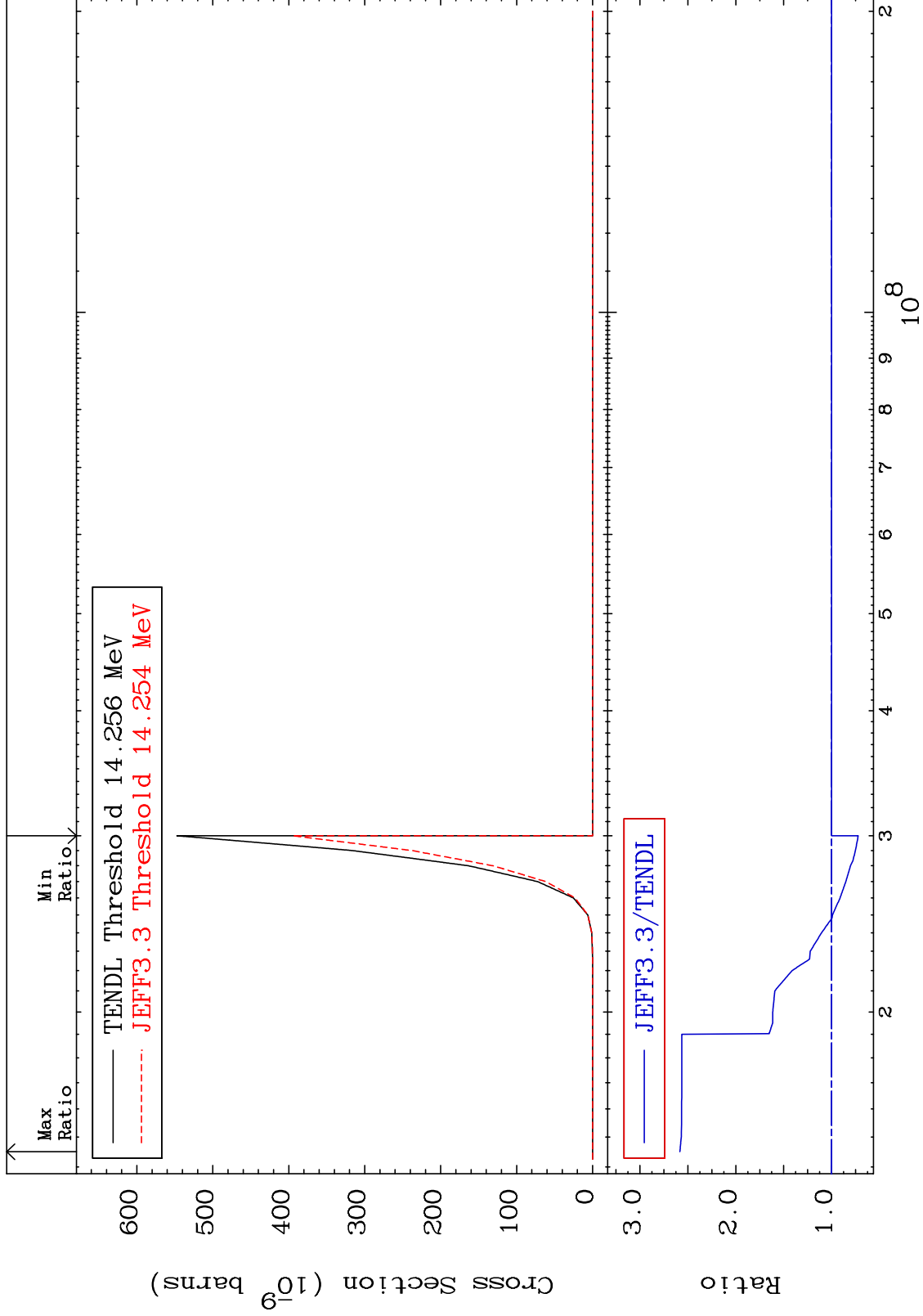
MAT 5431

(n, p) t:52-Te-123g

54-Xe-126

Radionuclide Production Cross Section

-27.77 To 158.3 %



90

Incident Energy (eV)

54-Xe-126

MAT 5431

(n, p) t:52-Te-123m2

54-Xe-126

Radionuclide Production Cross Section -2.790 To 317.6 %

