

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

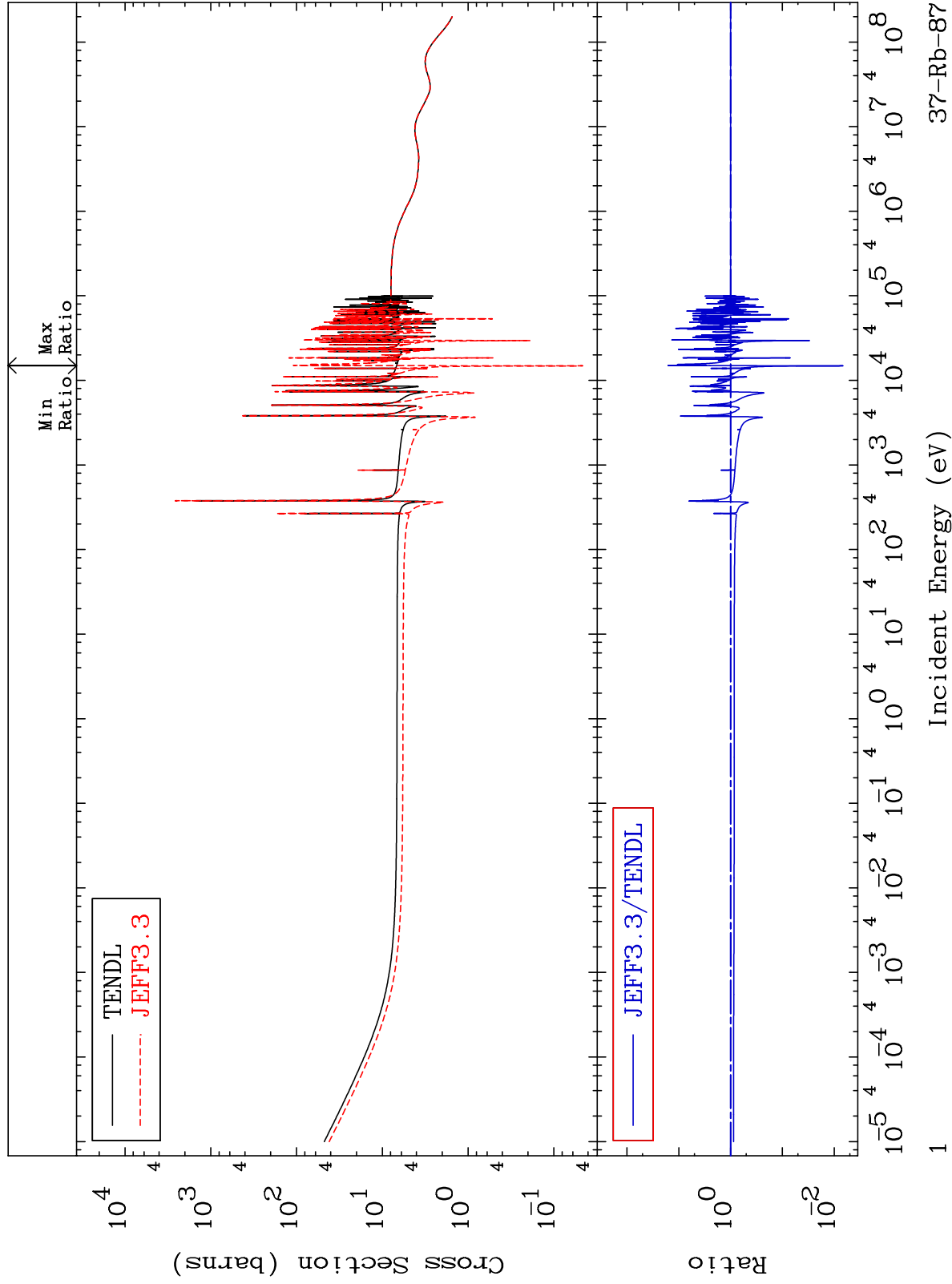
MAT 3731

Total

Cross Section

37-Rb-87

-99.32 To 1512. %



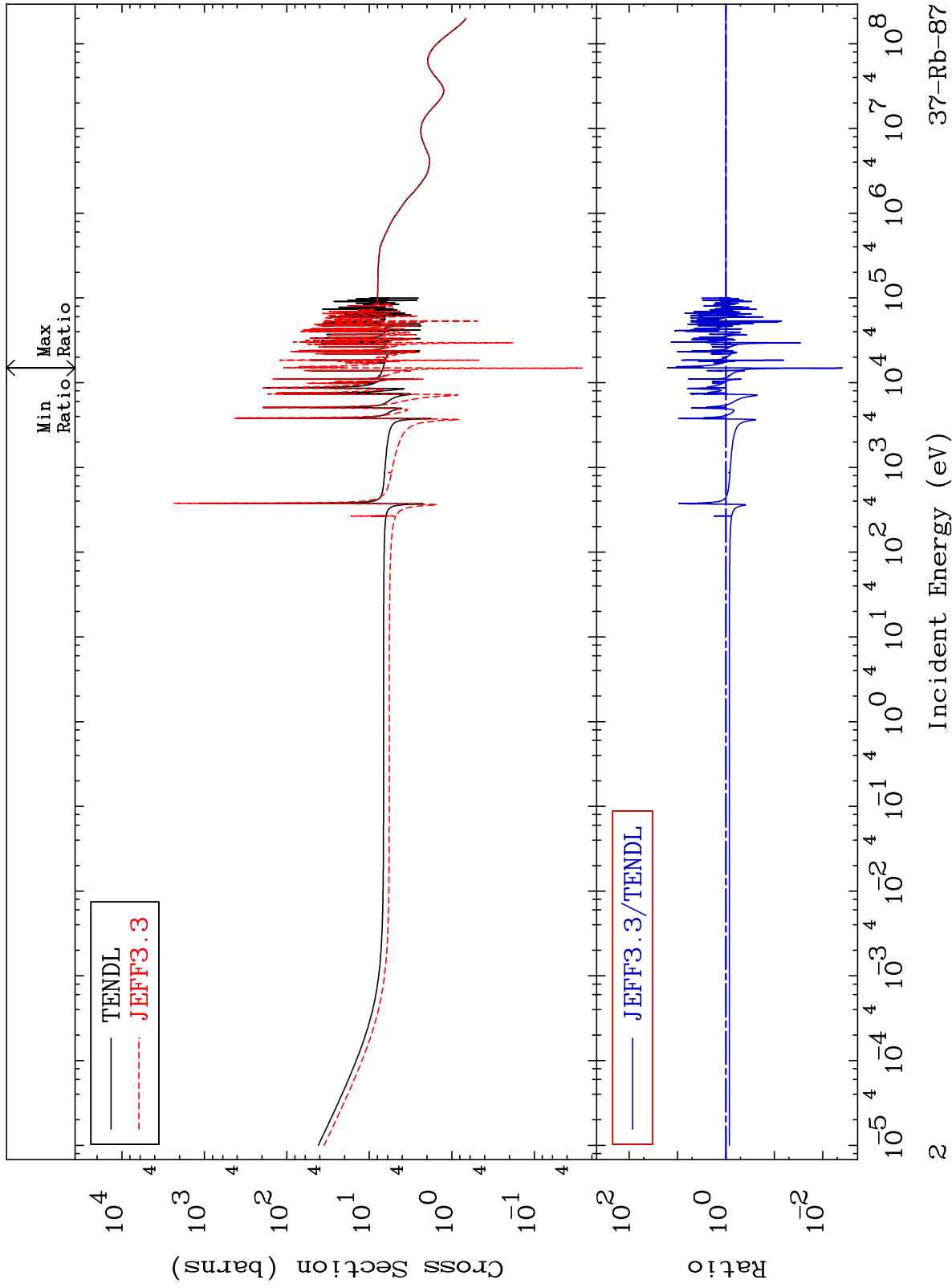
Incident Energy (eV)

37-Rb-87

MAT 3731

Elastic
Cross Section

37-Rb-87
-99.61 To 1505. %



37-Rb-87

Incident Energy (eV)

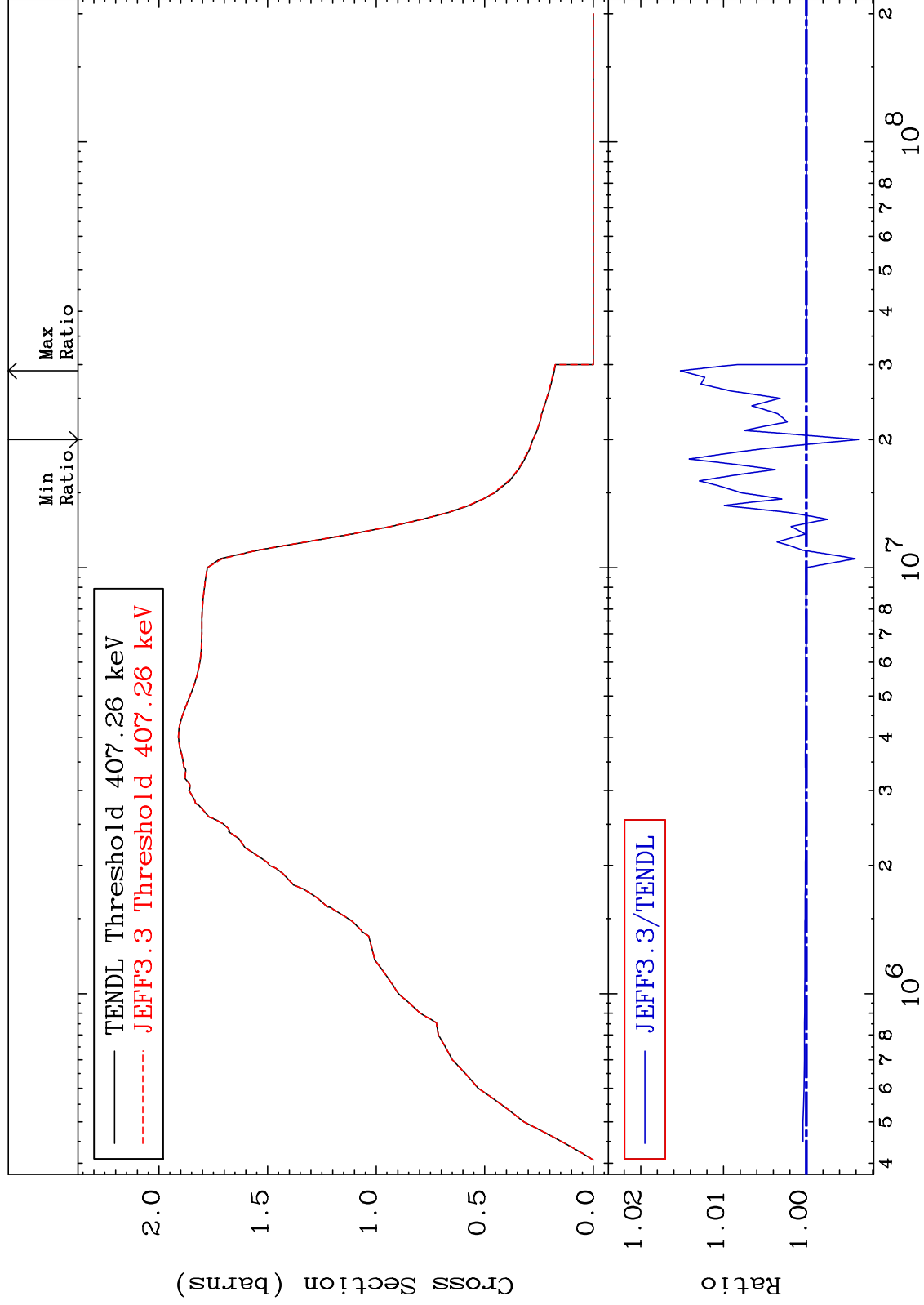
MAT 3731

Inelastic

37-Rb-87

Cross Section

-0.630 To 1.521 %



3

Incident Energy (eV)

37-Rb-87

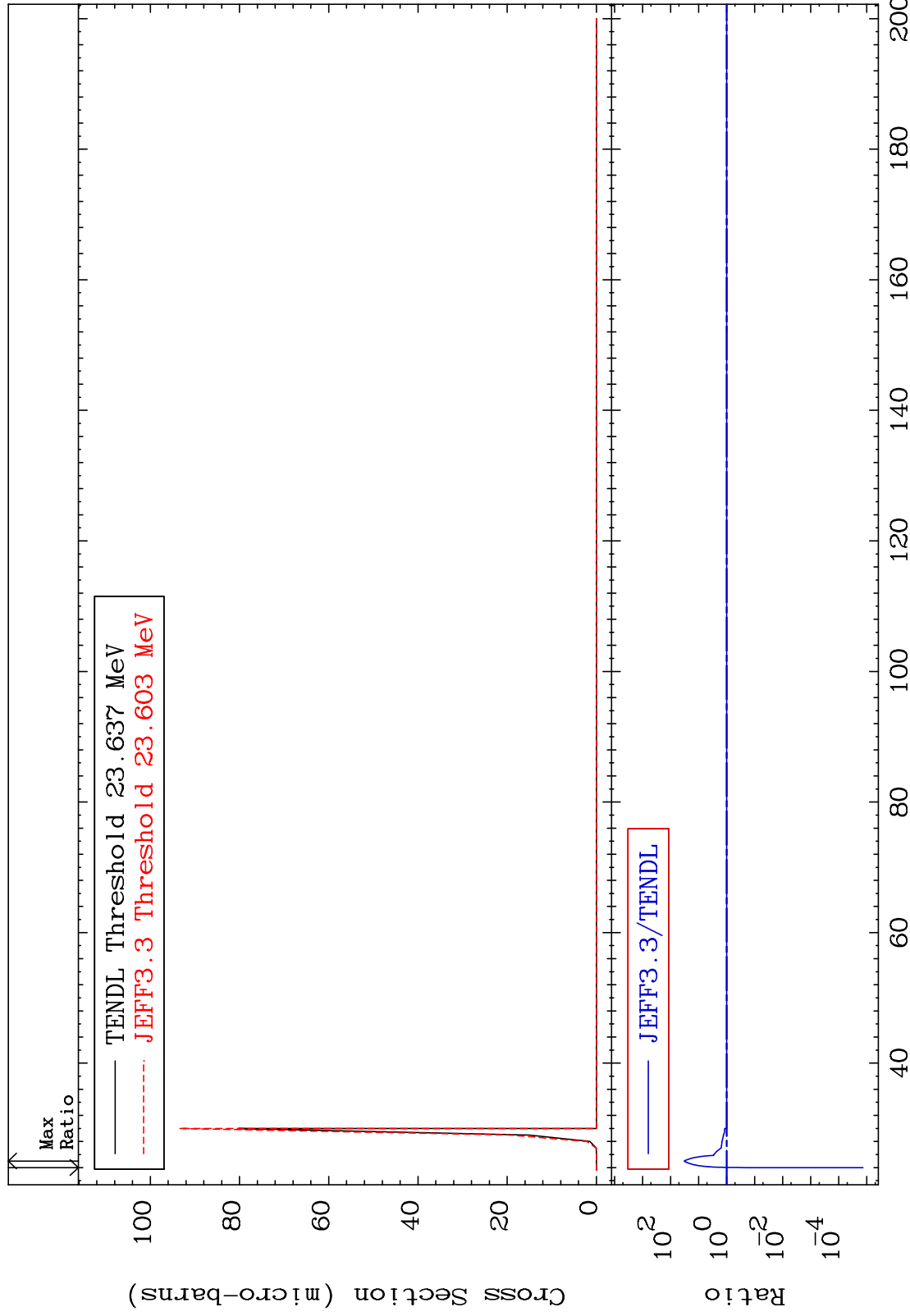
MAT 3731

(n,2n) d

³⁷Rb-87

Cross Section

-100.0 To 3210. %



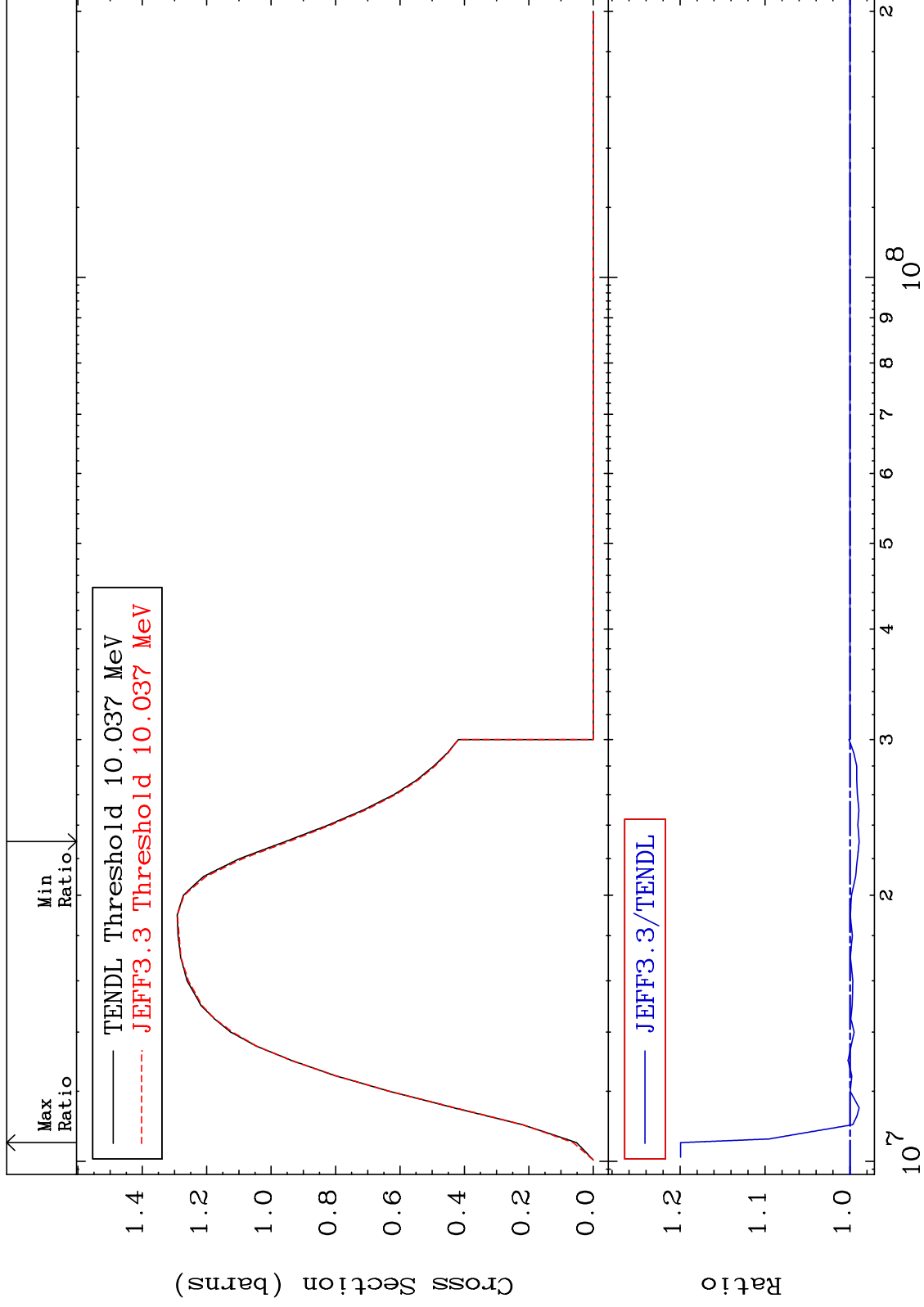
MAT 3731

(n,2n)

³⁷Rb-87

Cross Section

-1.079 To 19.93 %



Incident Energy (eV)

³⁷Rb-87

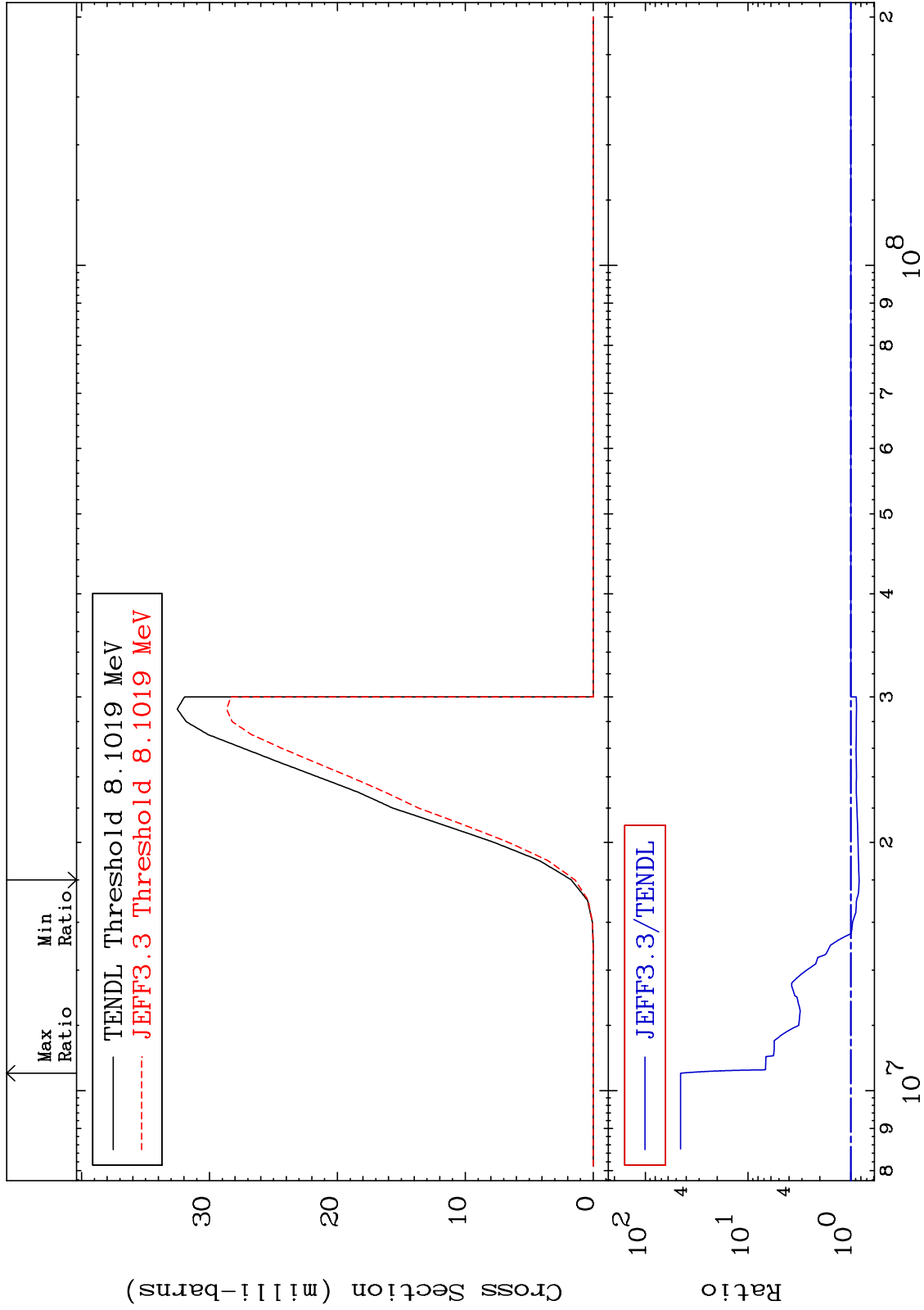
MAT 3731

(n, n') α

³⁷Rb-87

Cross Section

-16.98 To 4438. %



Incident Energy (eV)

³⁷Rb-87

7

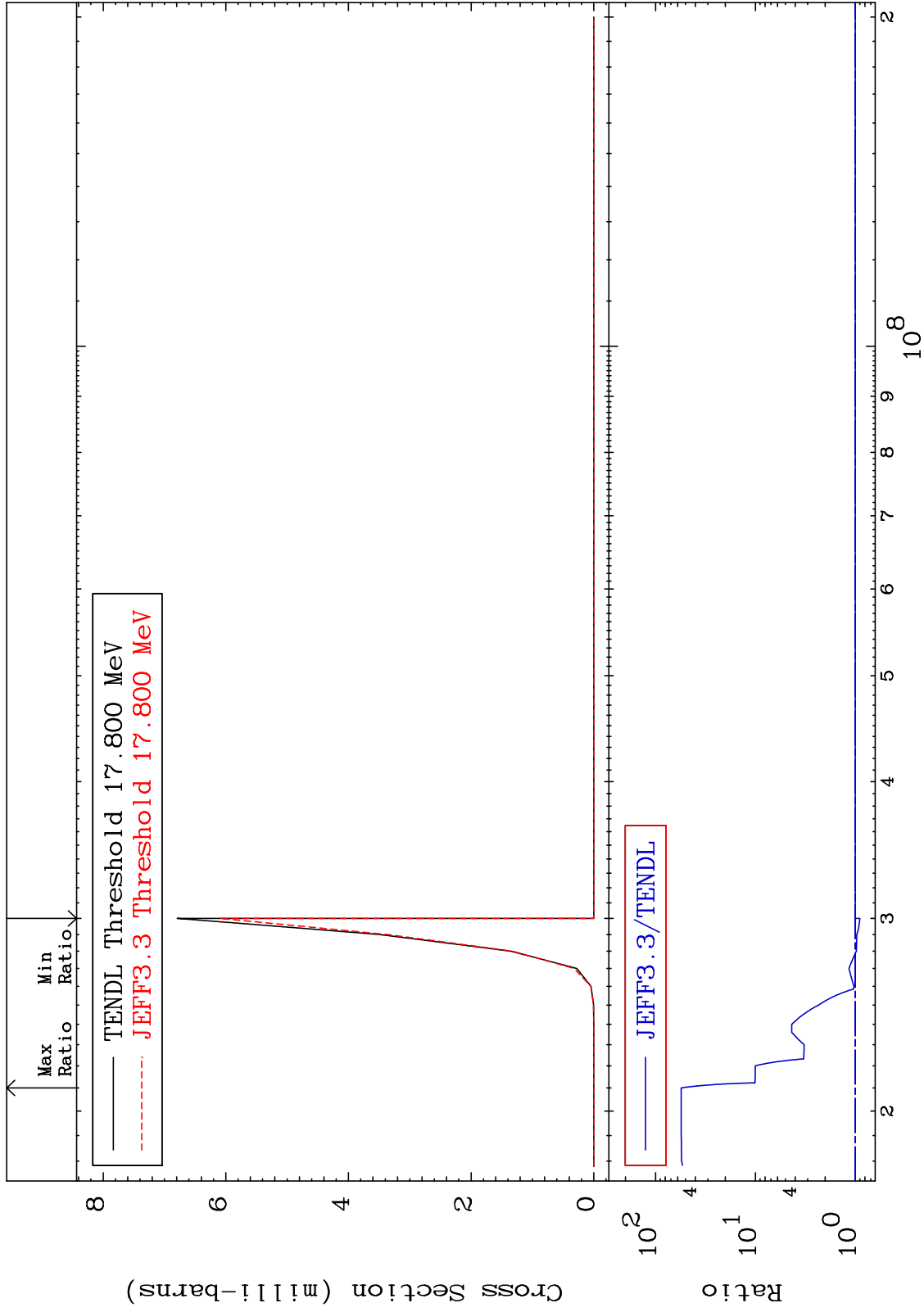
MAT 3731

(n,2n) α

³⁷Rb-87

Cross Section

-10.12 To 5429. %



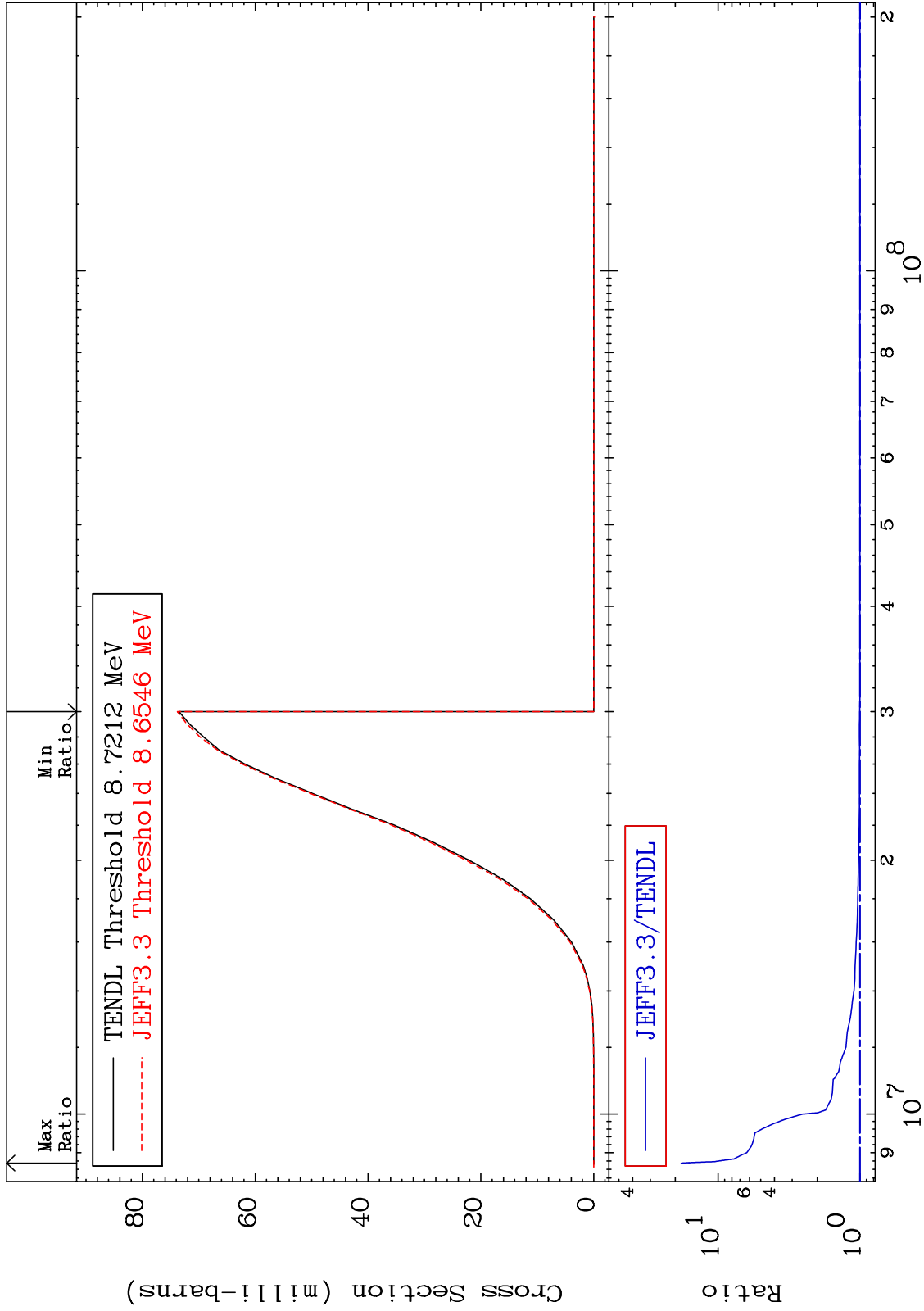
MAT 3731

(n,n') p

³⁷Rb-87

Cross Section

0.000 To 1718. %



³⁷Rb-87

Incident Energy (eV)

9

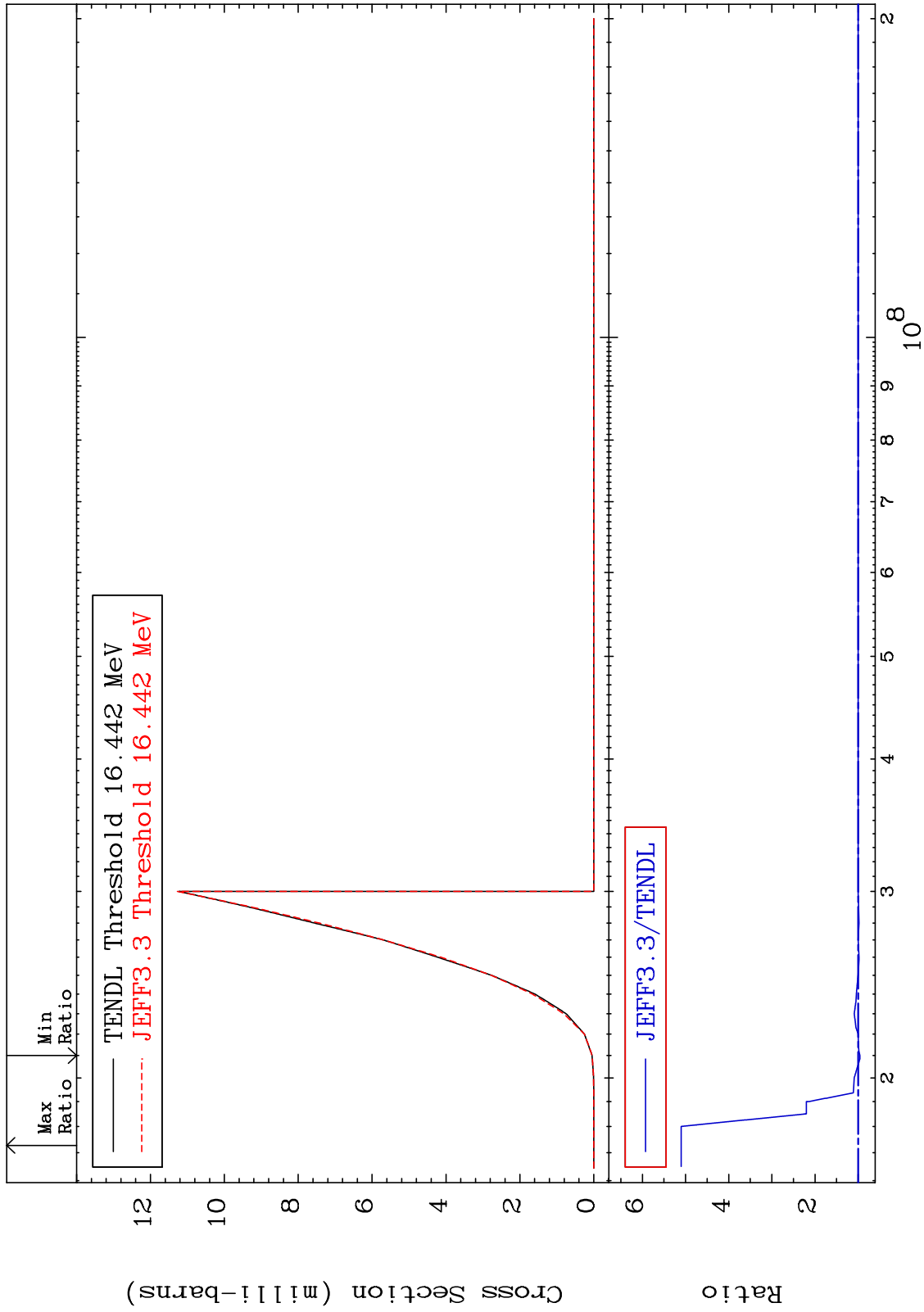
MAT 3731

(n, n') d

37-Rb-87

Cross Section

-4.028 To 410.0 %



10

Incident Energy (eV)

37-Rb-87

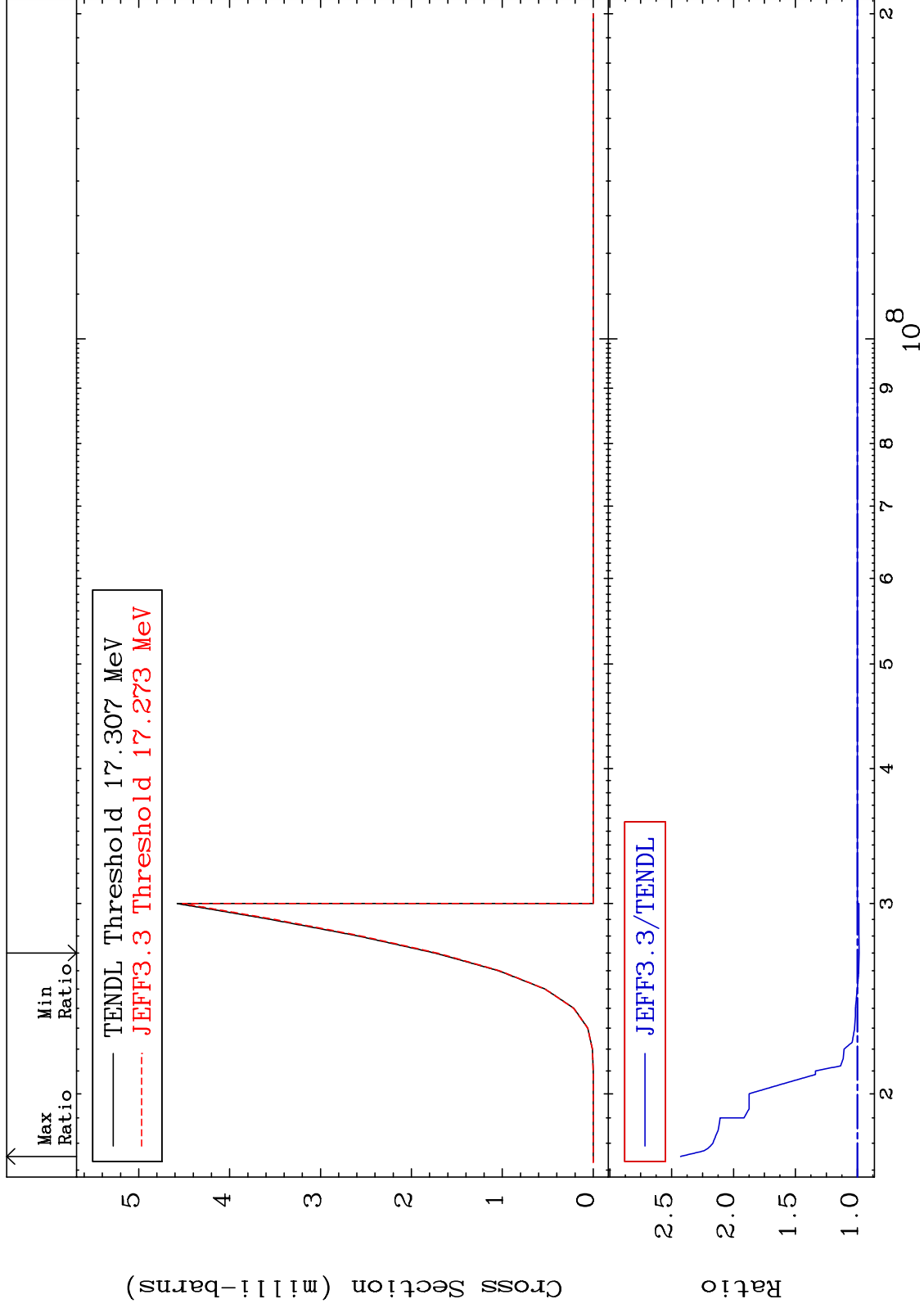
MAT 3731

(n,n') t

³⁷Rb-87

Cross Section

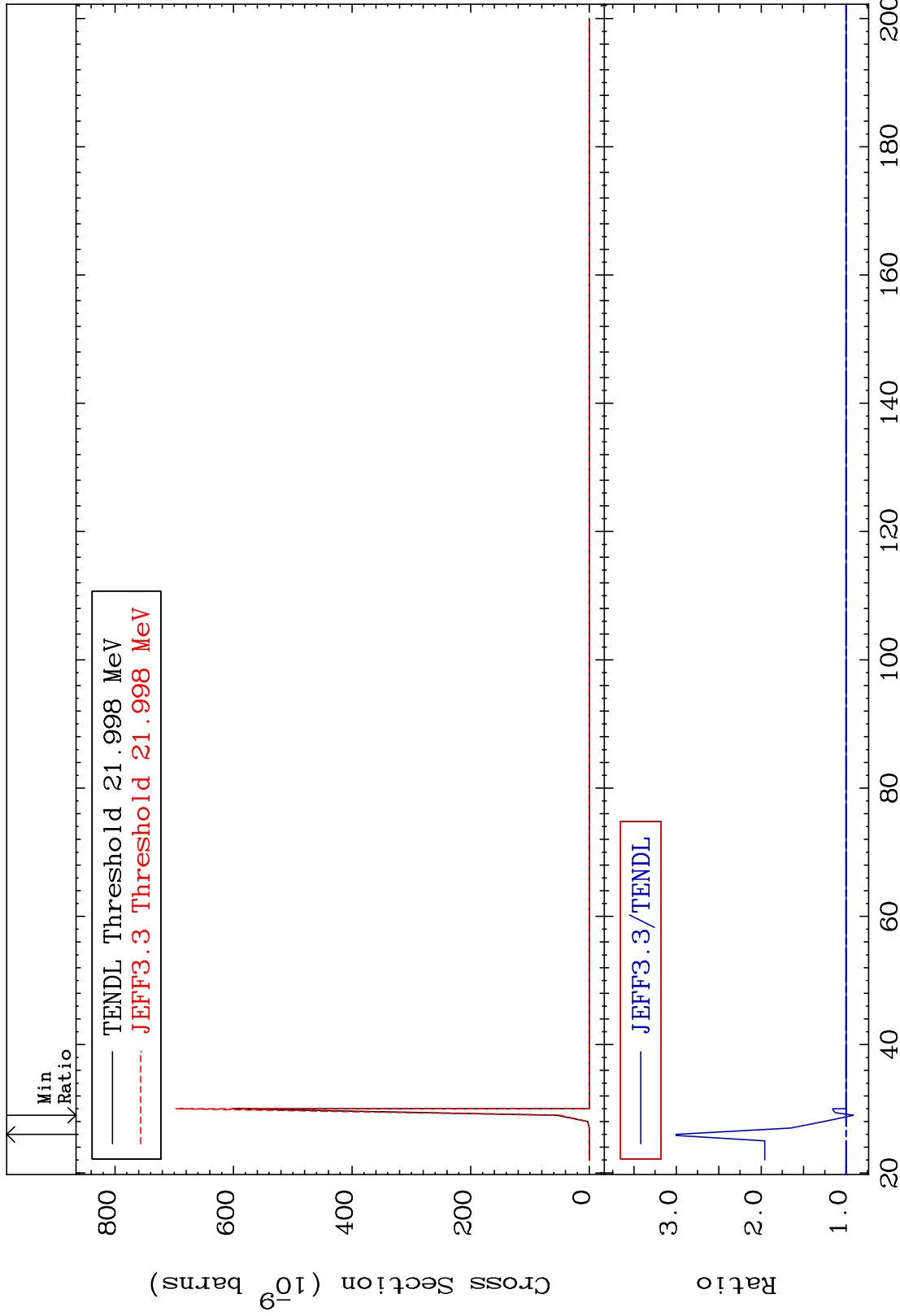
-1.511 To 142.7 %



MAT 3731

(n, n') He-3
Cross Section

37-Rb-87
-8.758 To 200.3 %



37-Rb-87

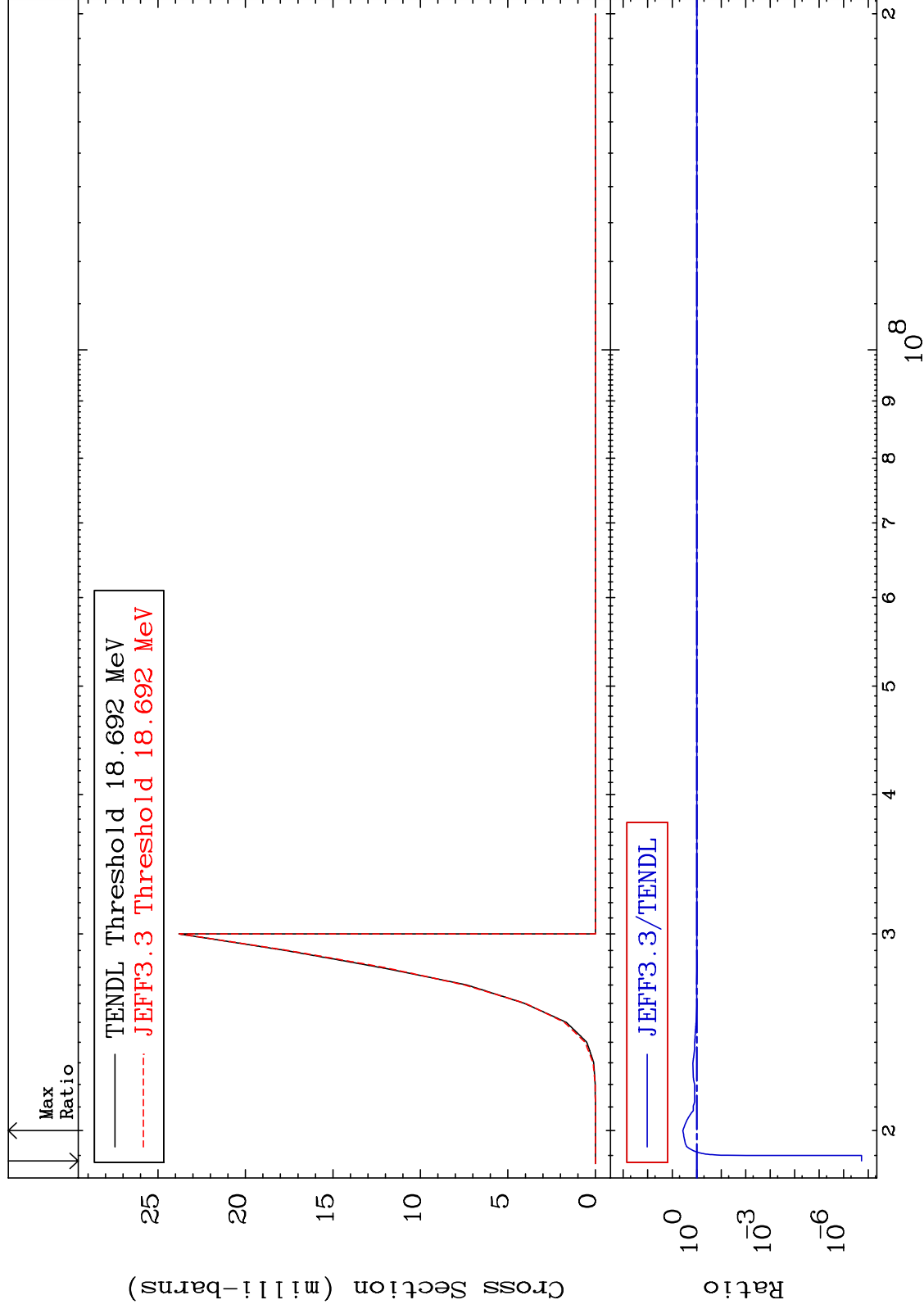
Incident Energy (MeV)

12

MAT 3731

(n,2n) p
Cross Section

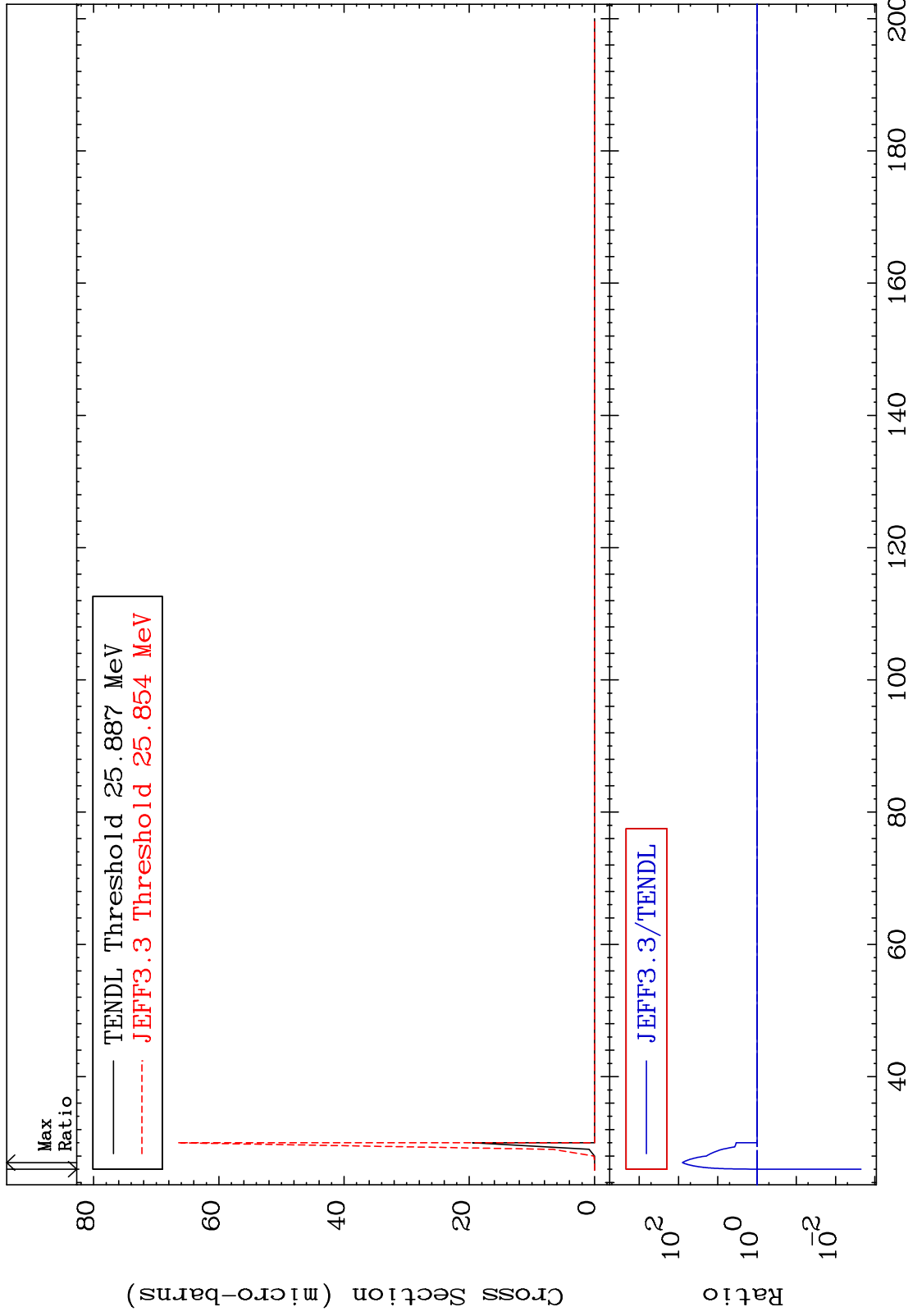
³⁷Rb-87
-100.0 To 267.4 %



MAT 3731

(n,3n) p
Cross Section

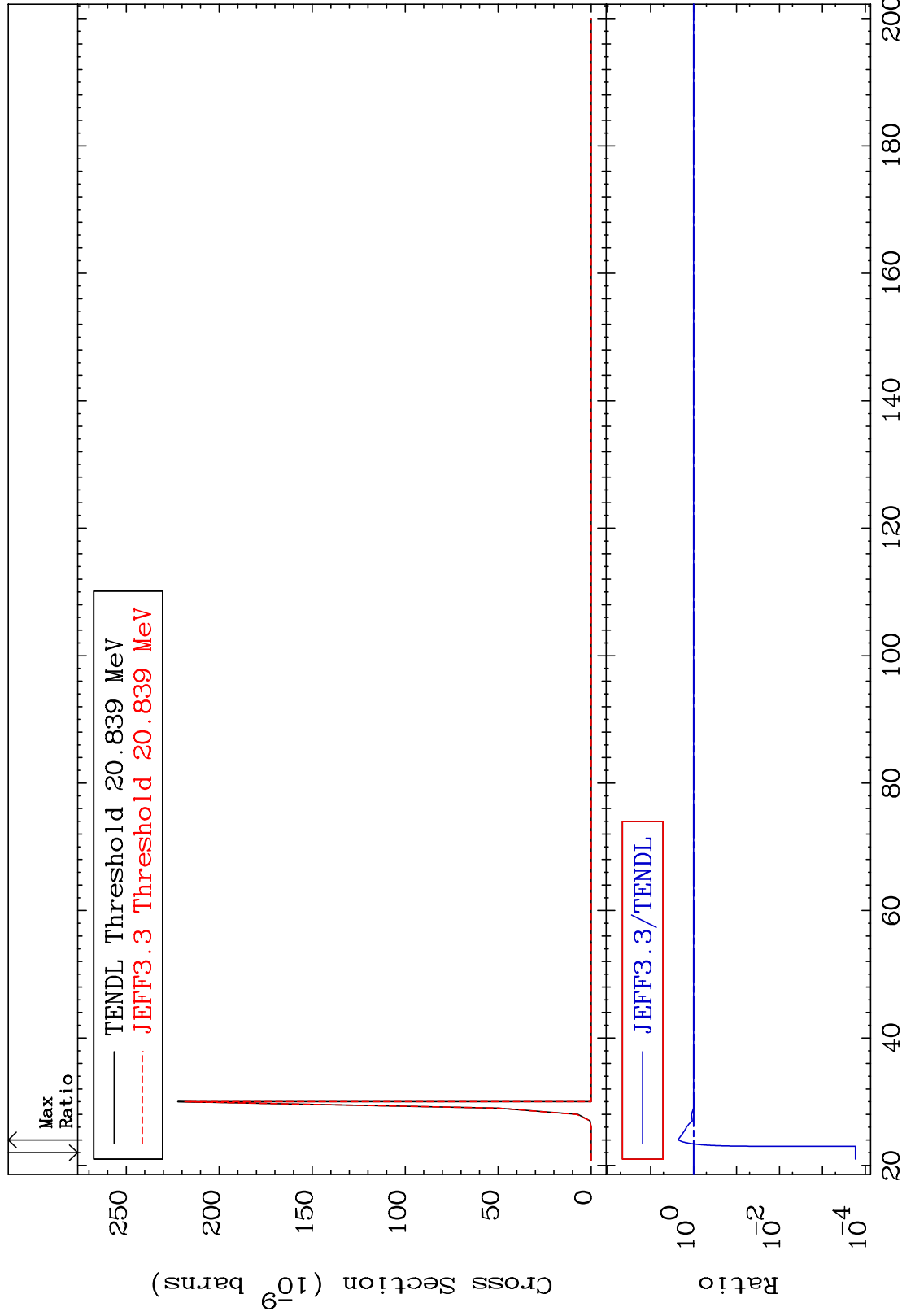
³⁷Rb-87
-99.78 To 7977. %



MAT 3731

(n,2n) p
Cross Section

³⁷Rb-87
-99.98 To 129.1 %



15

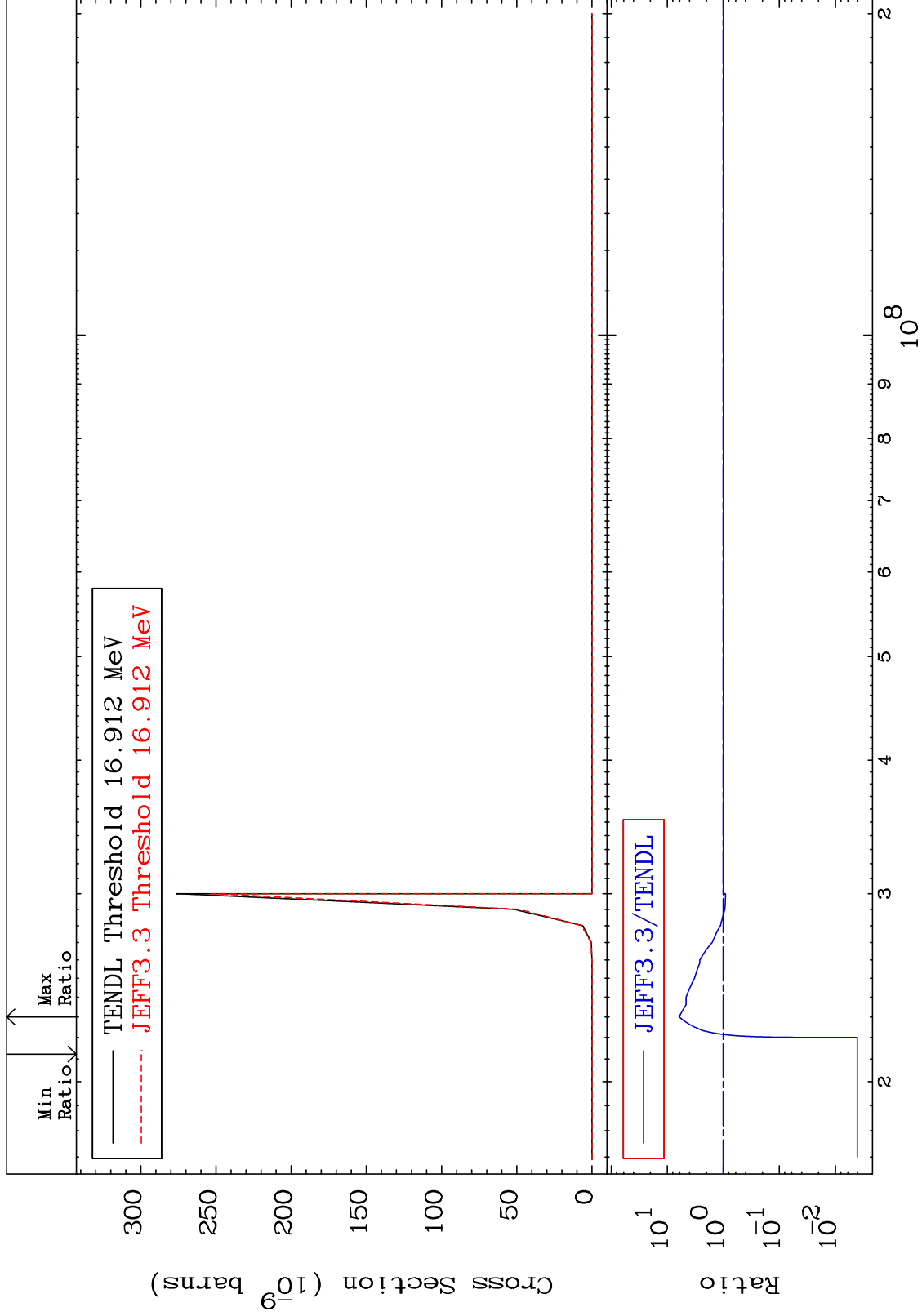
37-Rb-87

37-Rb-87

MAT 3731

(n,n') p α
Cross Section

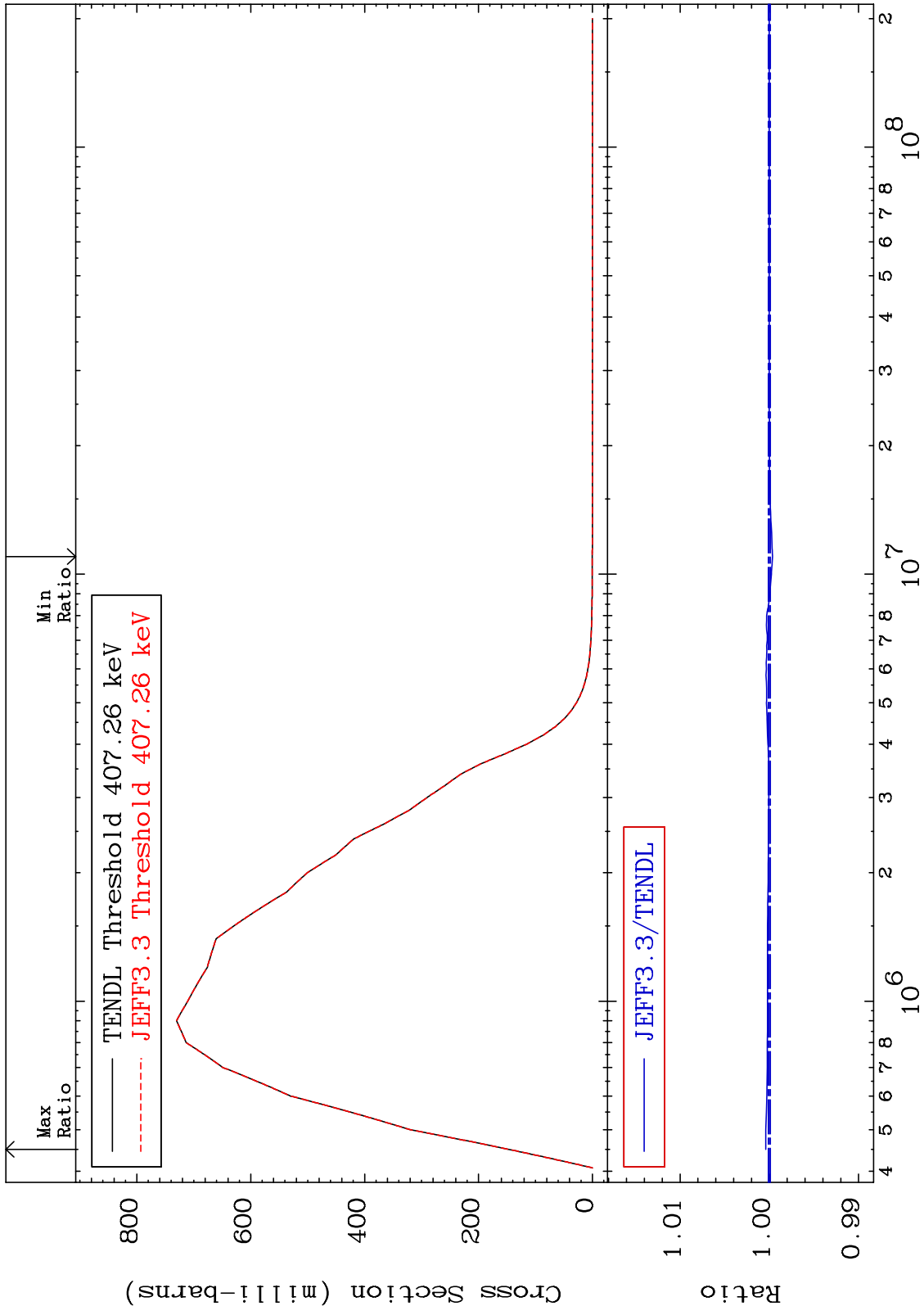
37-Rb-87
-99.59 To 514.0 %



MAT 3731

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

37-Rb-87
-0.034 To 0.040 %



17

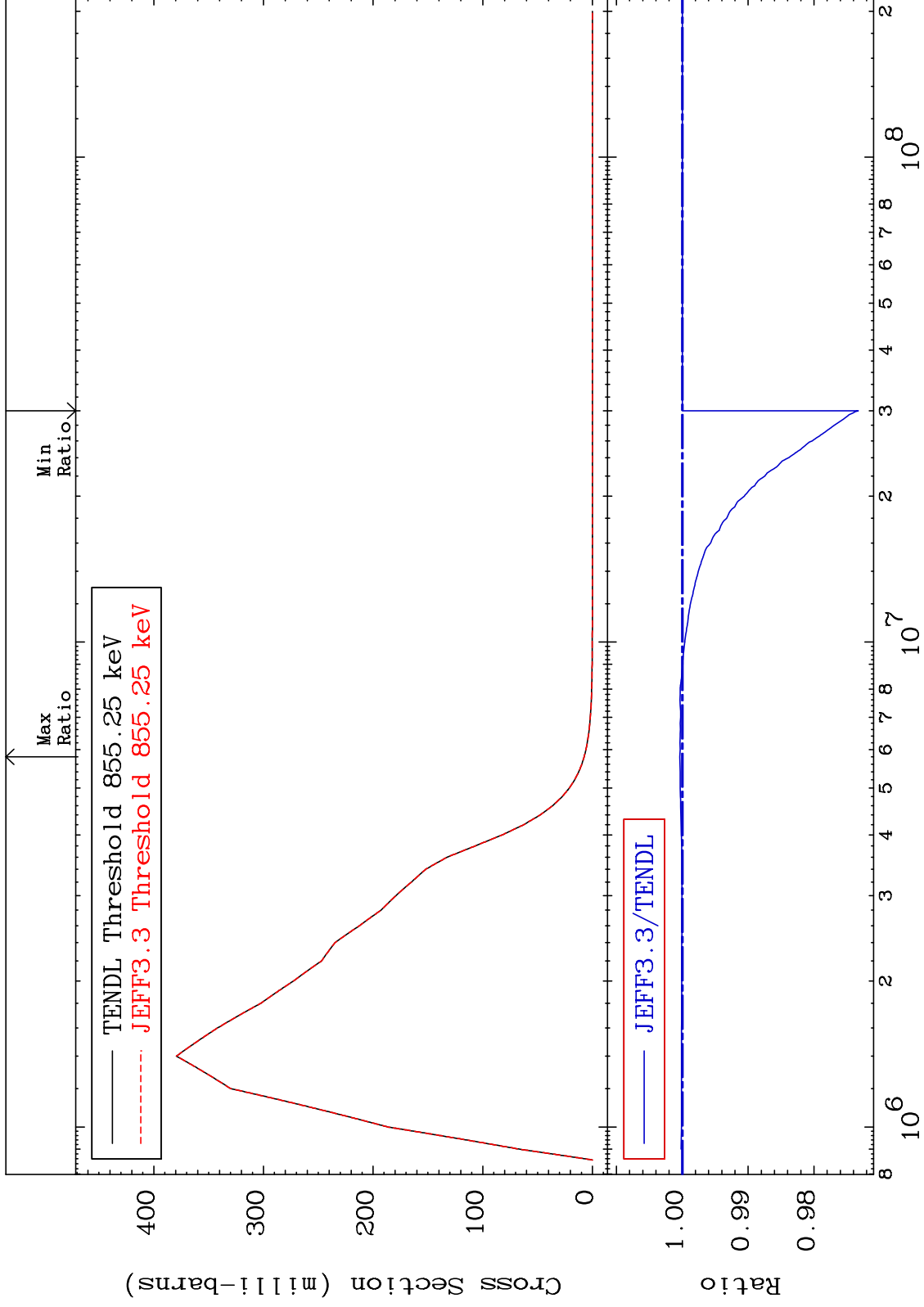
Incident Energy (eV)

37-Rb-87

MAT 3731

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

37-Rb-87
-2.674 To 0.038 %



Incident Energy (eV)

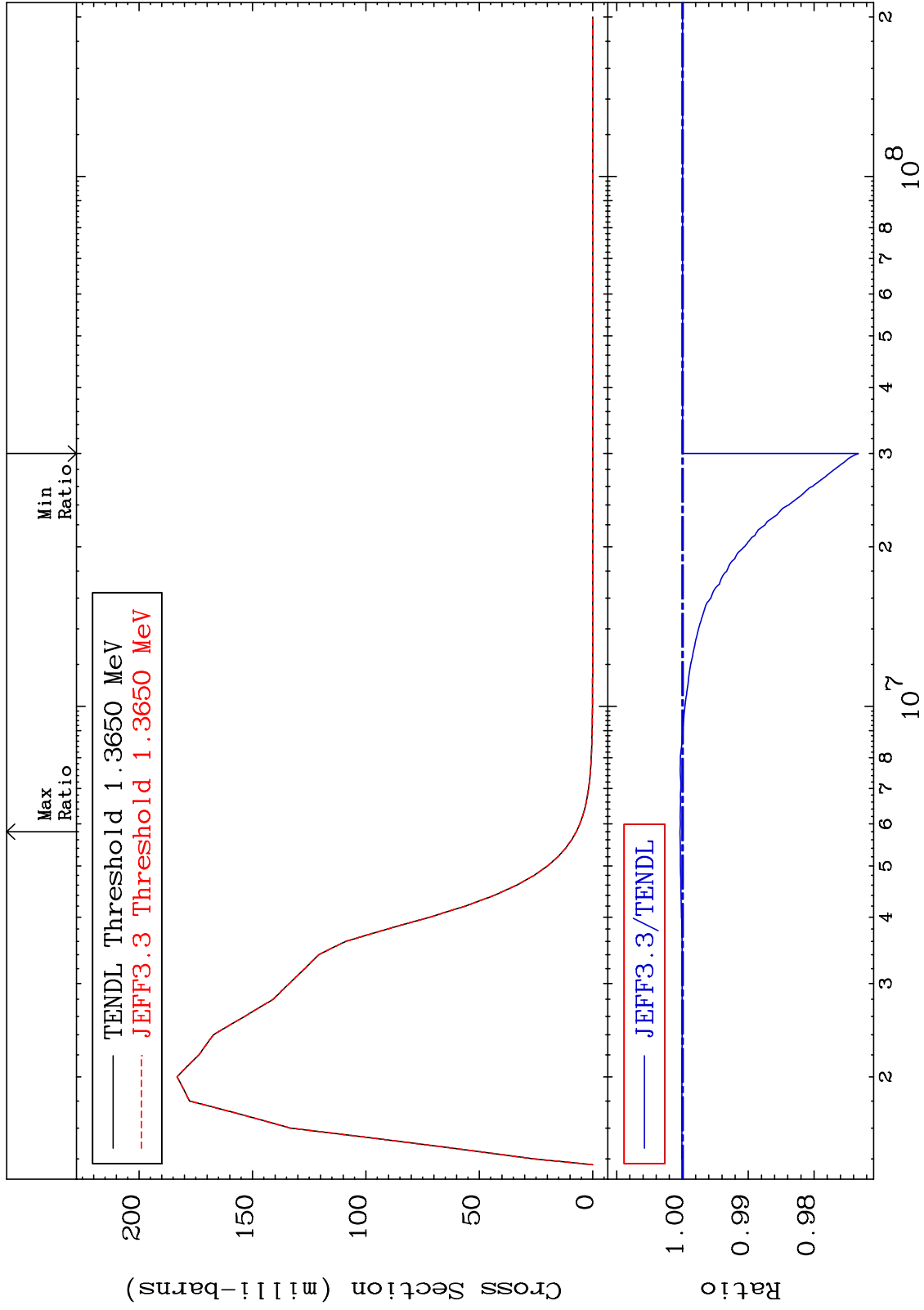
37-Rb-87

18

MAT 3731

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

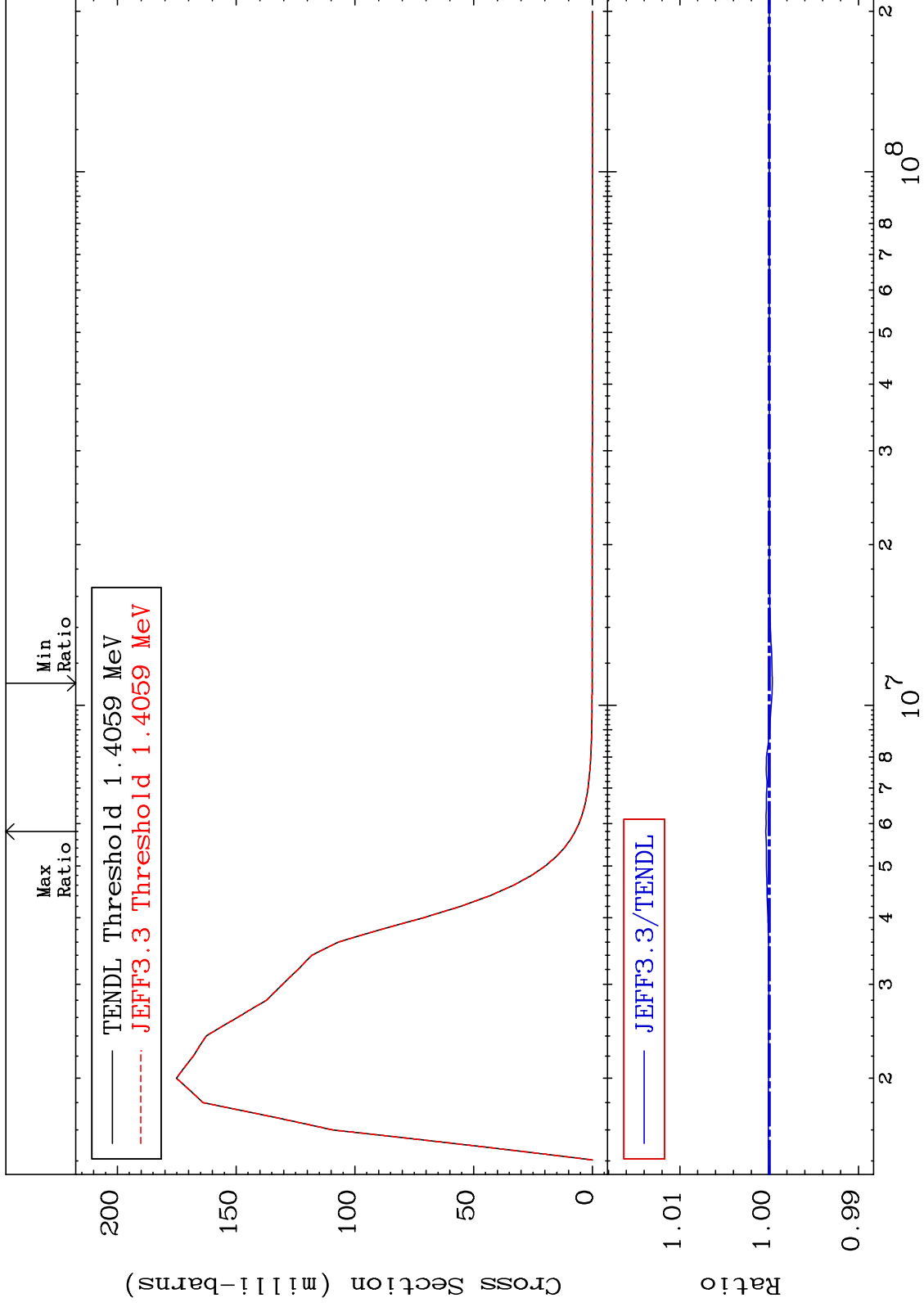
37-Rb-87
-2.674 To 0.038 %



MAT 3731

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

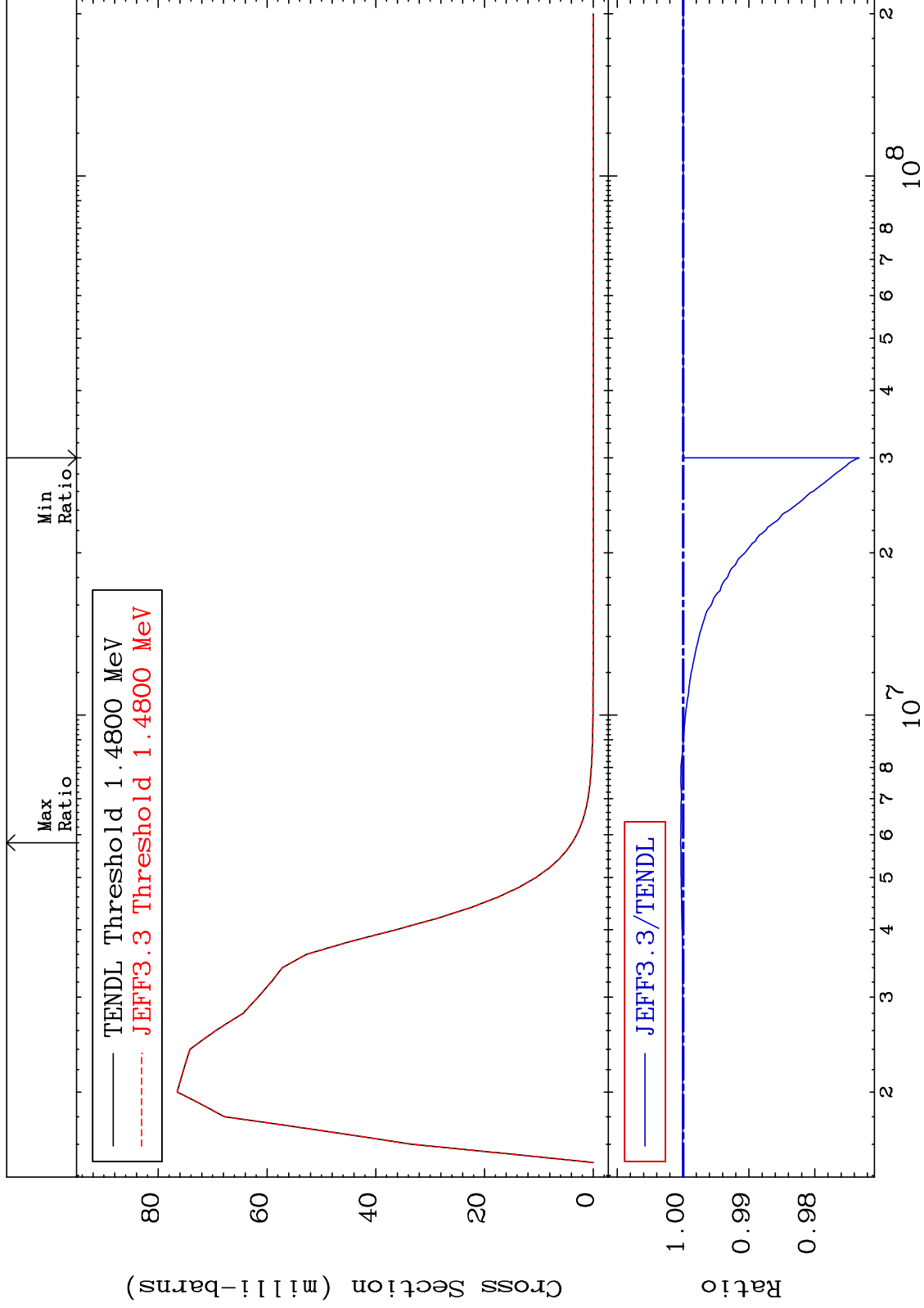
37-Rb-87
-0.036 To 0.038 %



MAT 3731

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

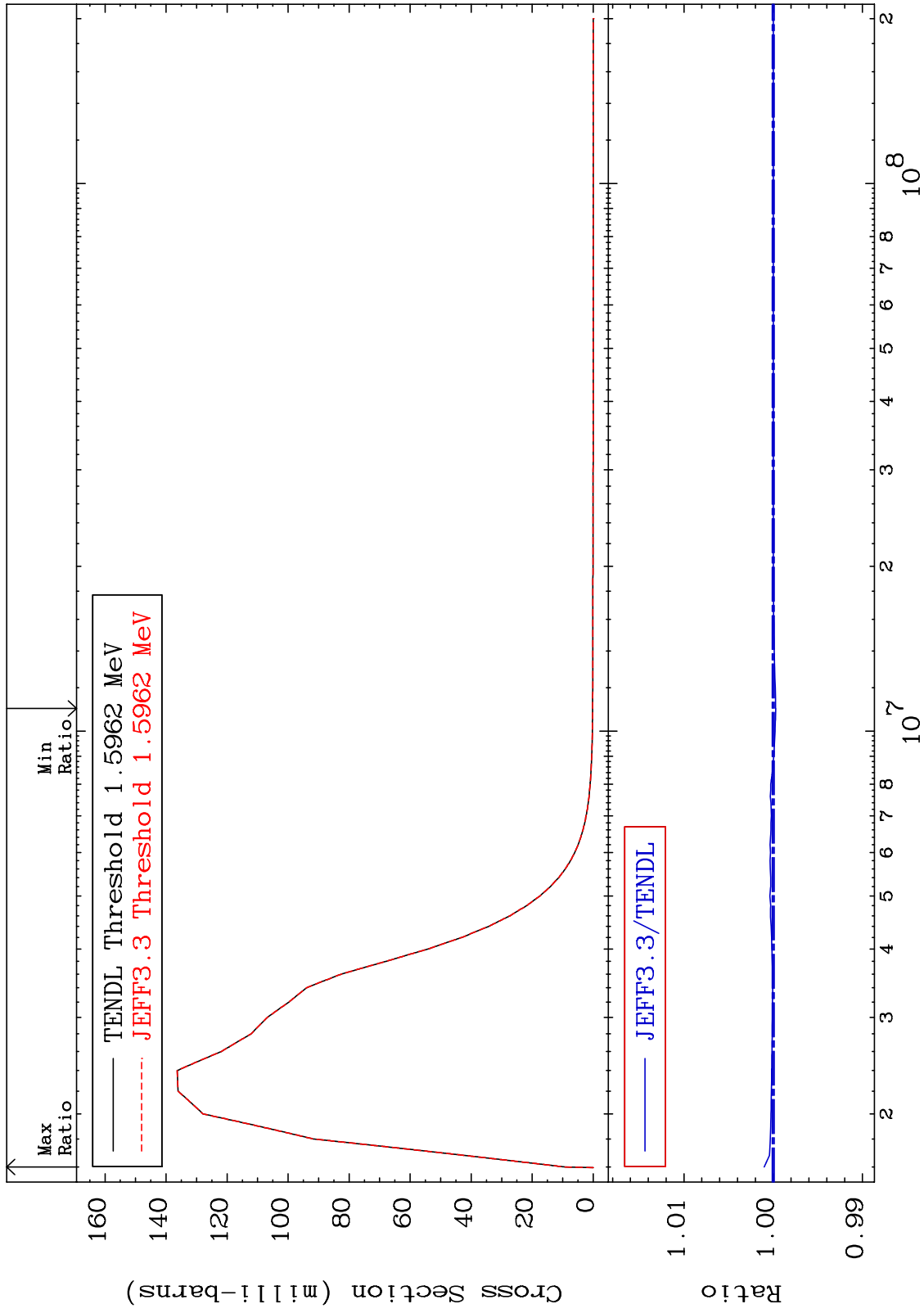
37-Rb-87
-2.673 To 0.038 %



MAT 3731

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

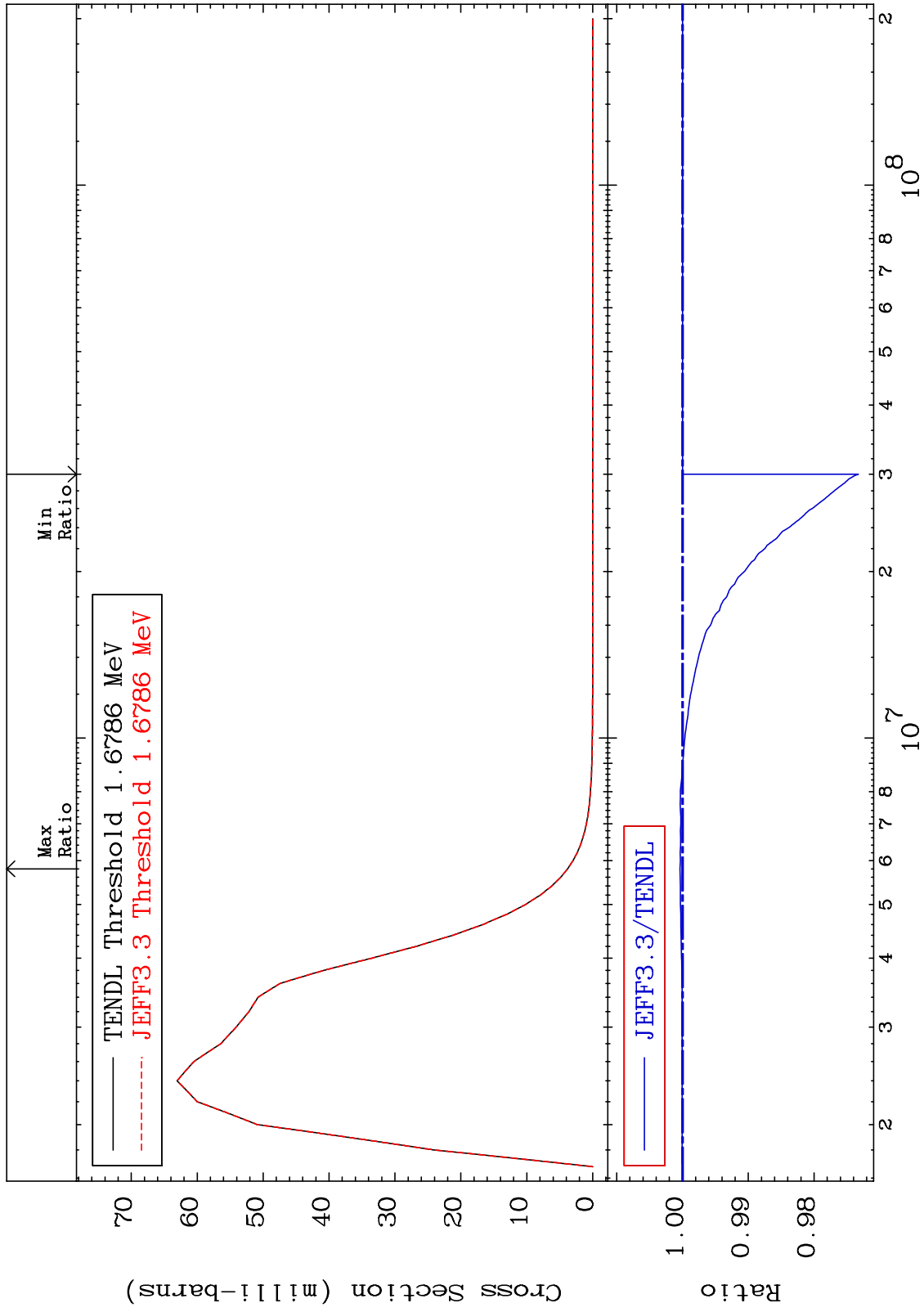
37-Rb-87
-0.027 To 0.102 %



MAT 3731

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

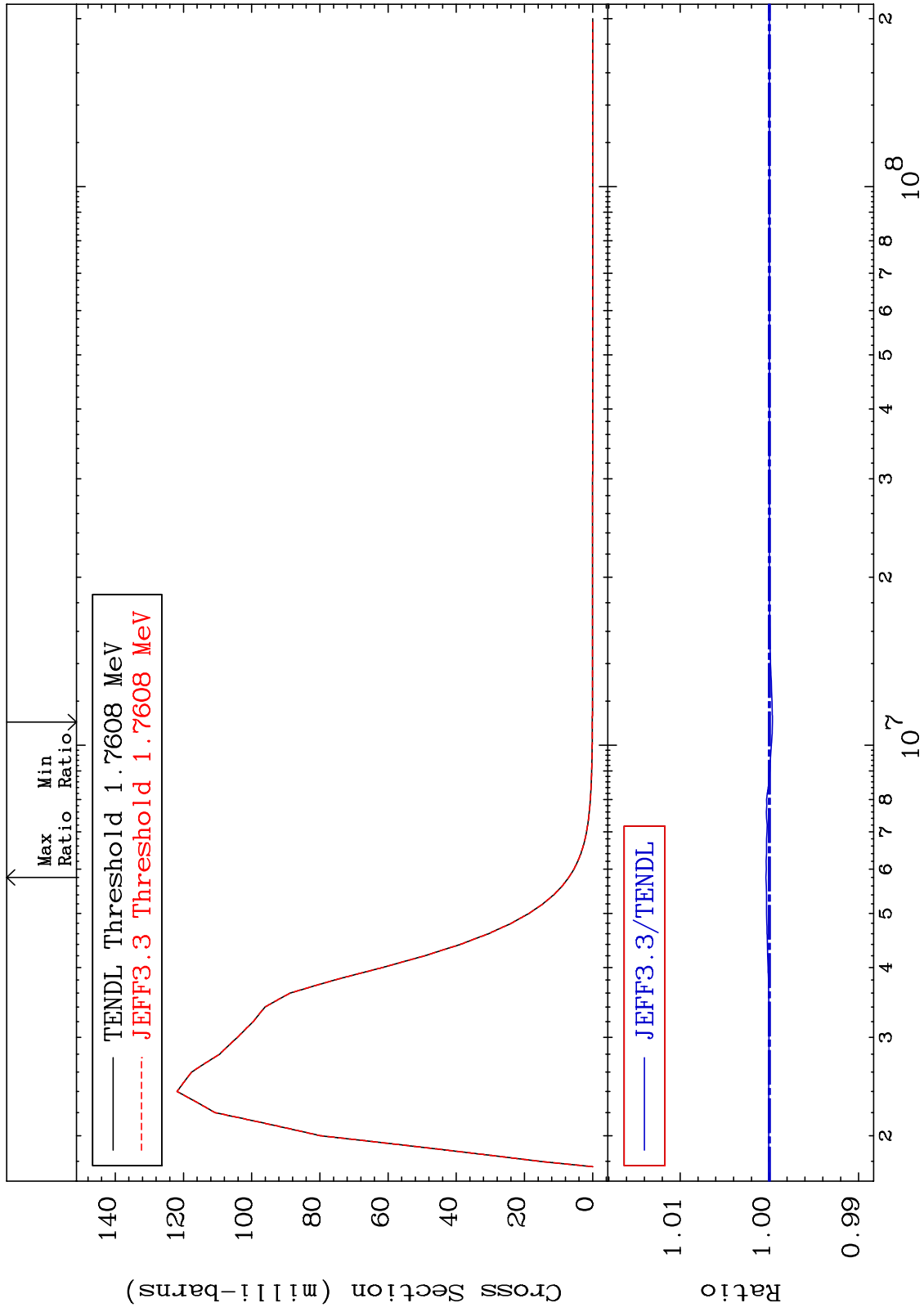
37-Rb-87
-2.673 To 0.038 %



MAT 3731

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

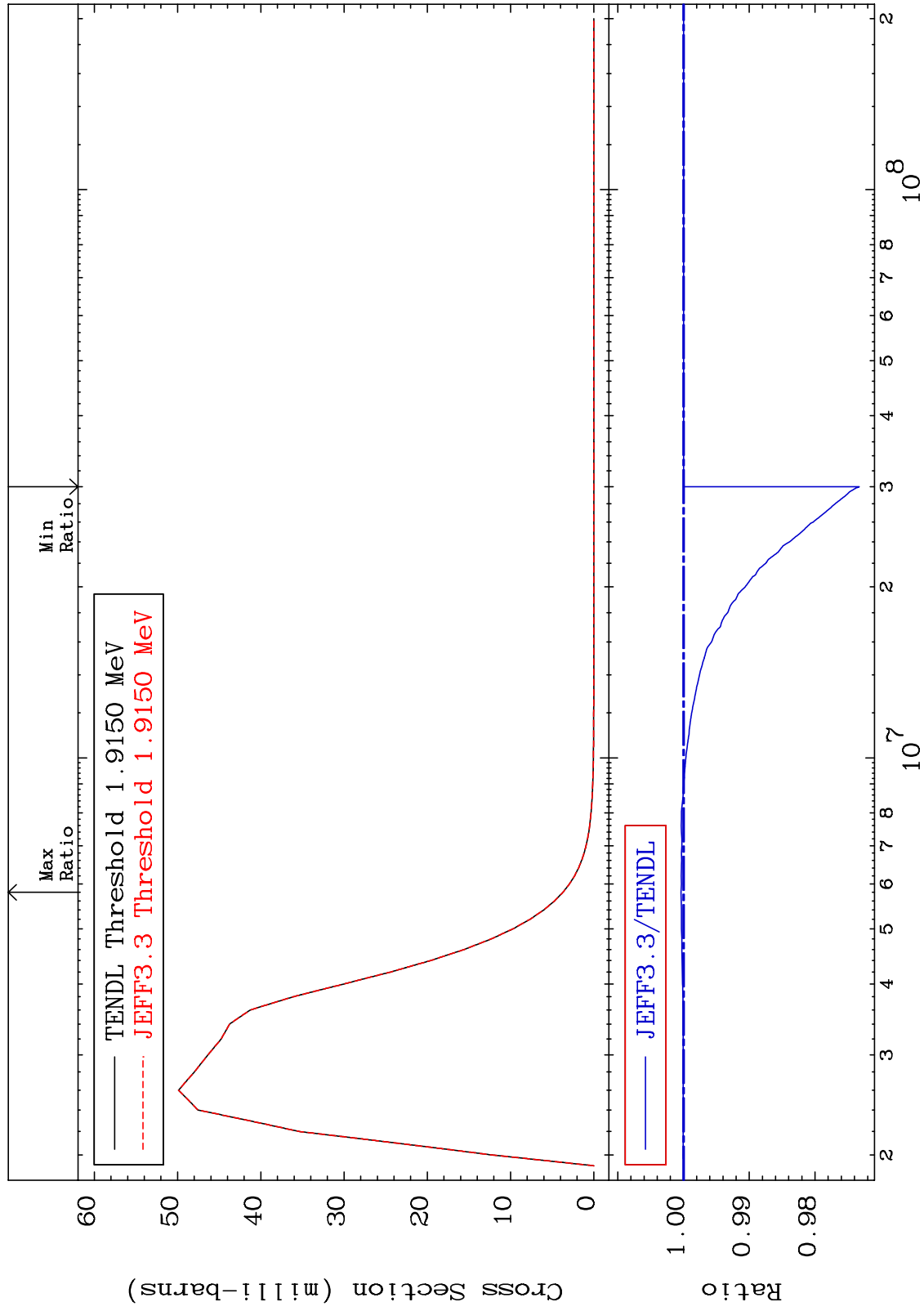
37-Rb-87
-0.036 To 0.038 %



MAT 3731

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

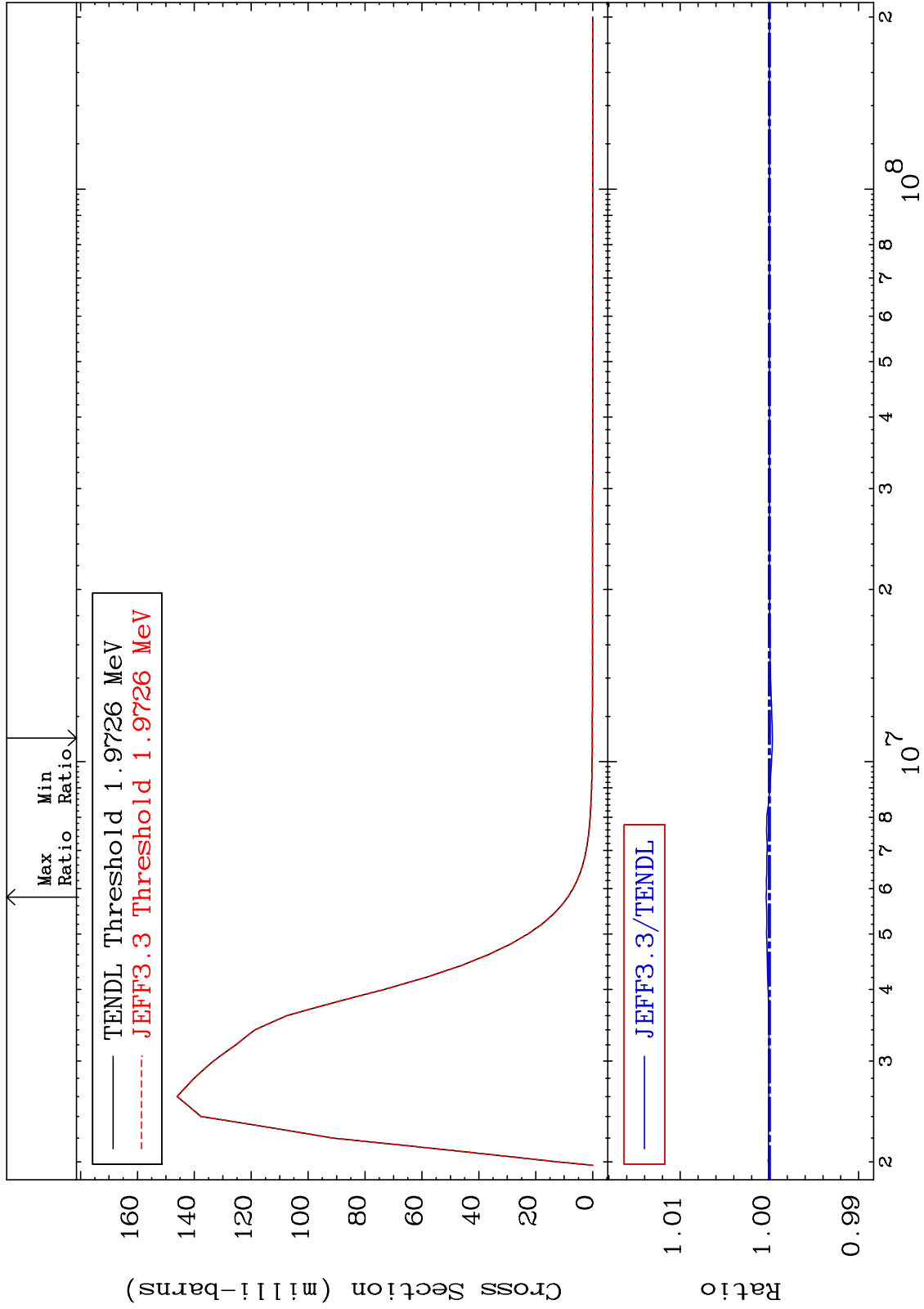
37-Rb-87
-2.673 To 0.038 %



MAT 3731

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

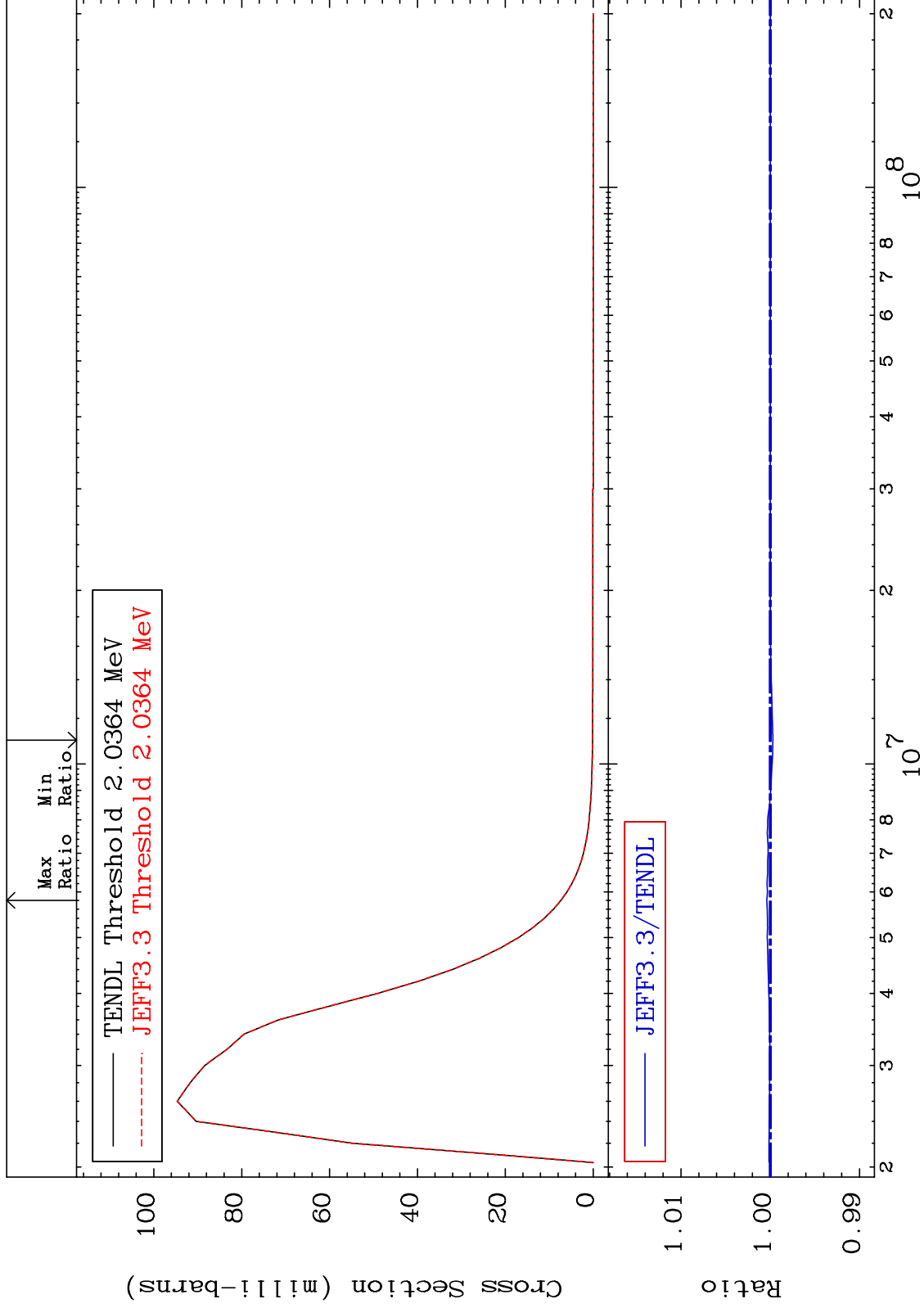
37-Rb-87
-0.033 To 0.038 %



MAT 3731

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

37-Rb-87
-0.030 To 0.037 %



27

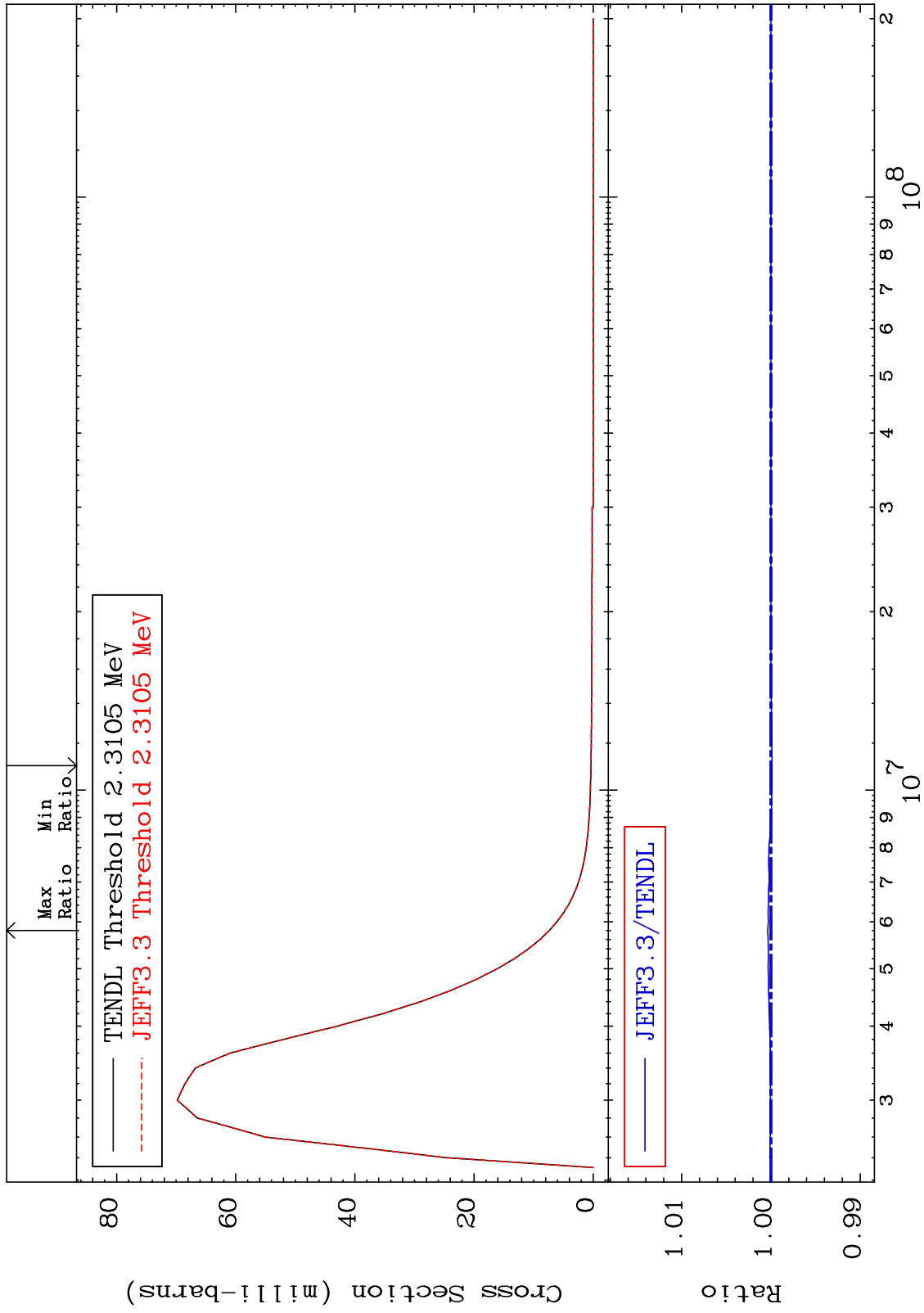
37-Rb-87

37-Rb-87

MAT 3731

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

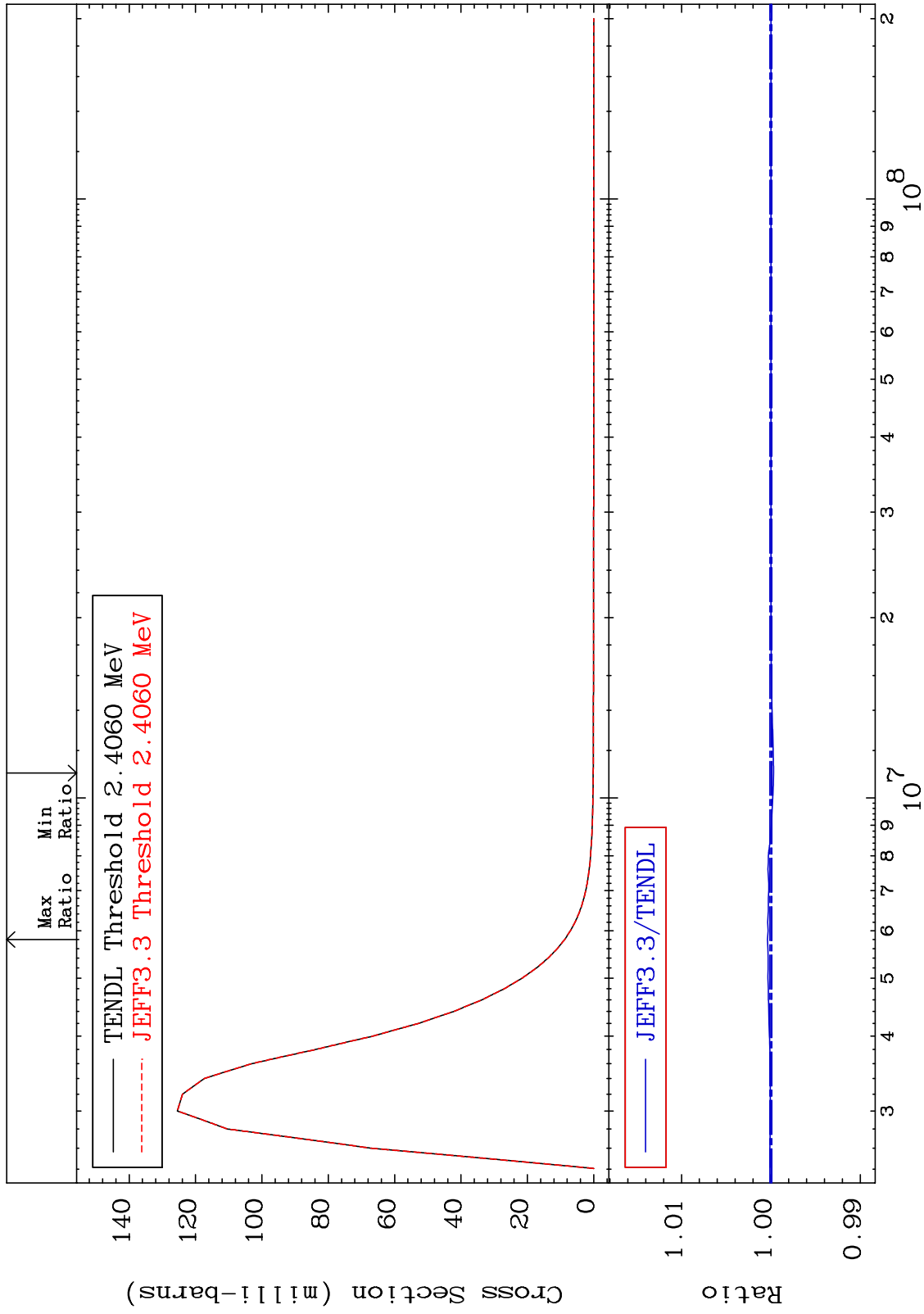
37-Rb-87
-0.013 To 0.036 %



MAT 3731

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

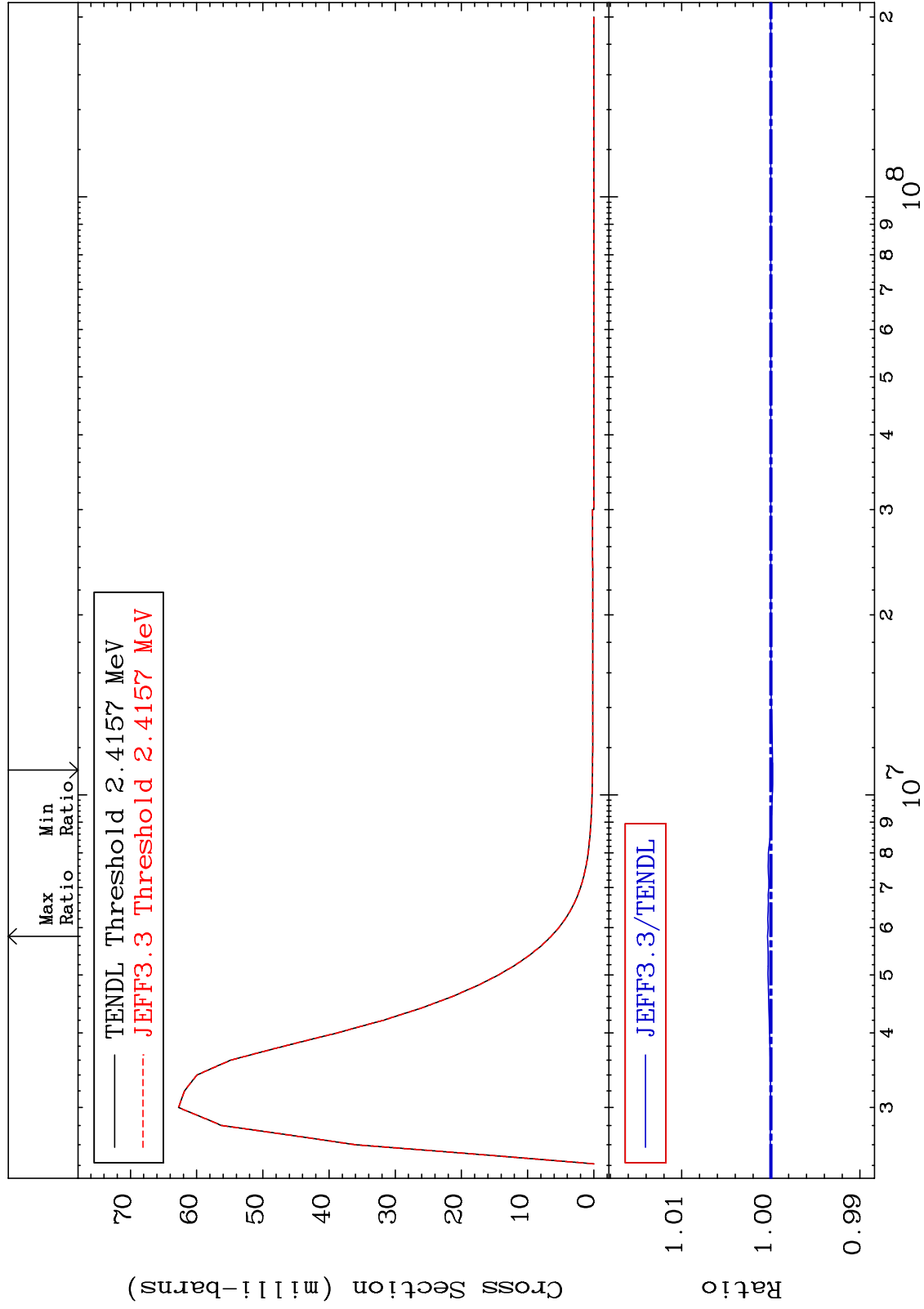
37-Rb-87
-0.031 To 0.037 %



MAT 3731

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

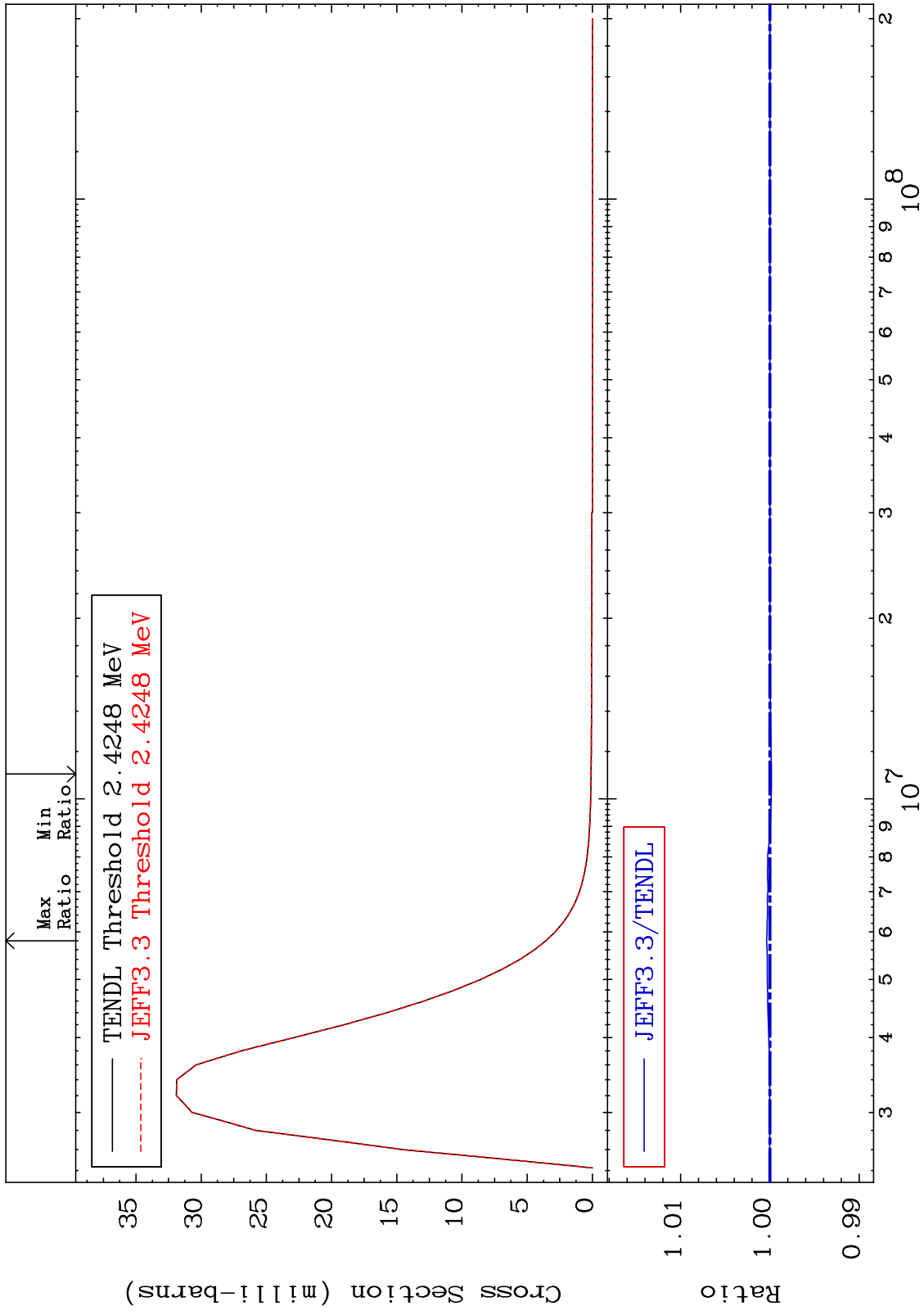
37-Rb-87
-0.022 To 0.037 %



MAT 3731

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

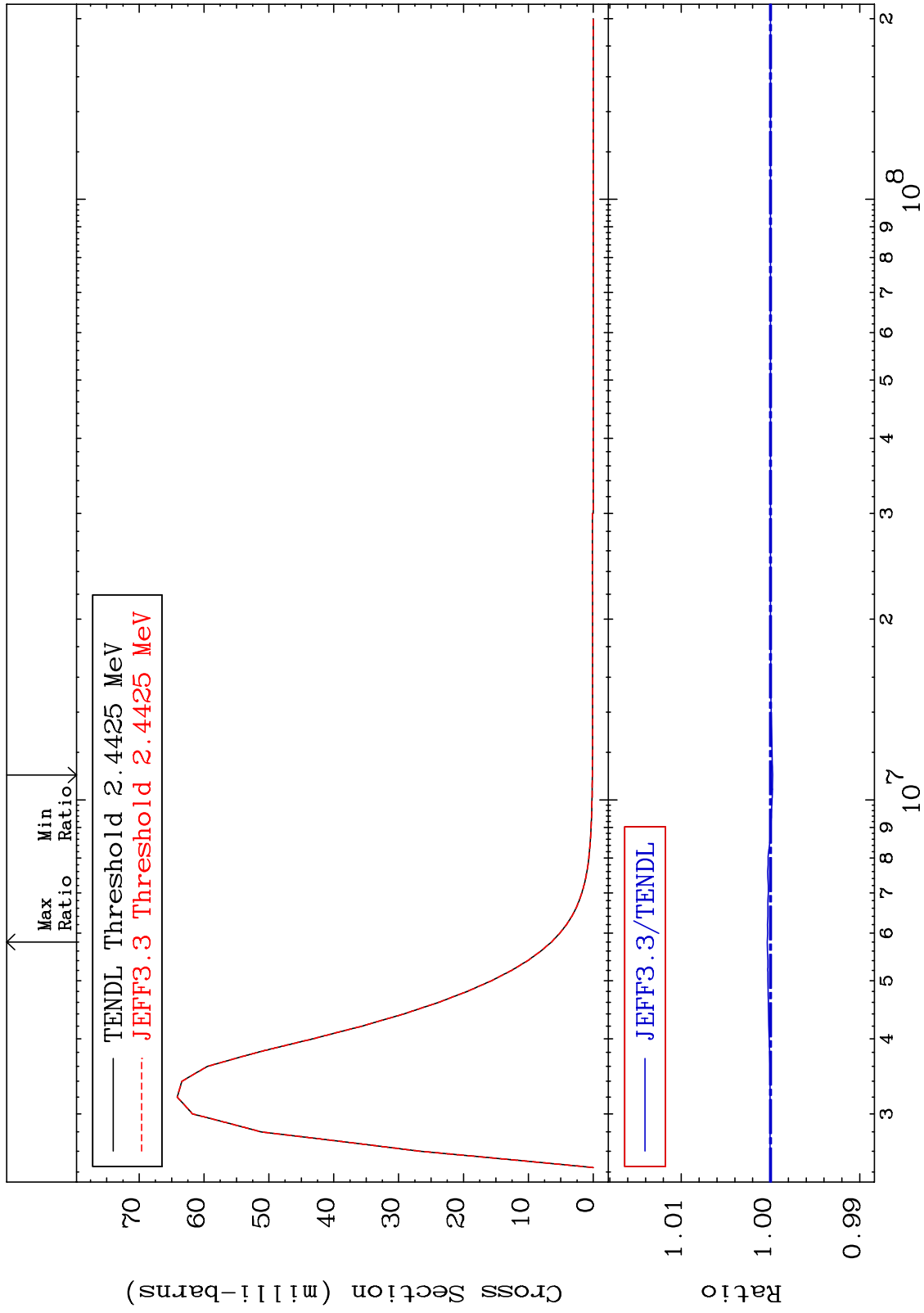
37-Rb-87
-0.017 To 0.036 %



MAT 3731

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

37-Rb-87
-0.023 To 0.037 %



32

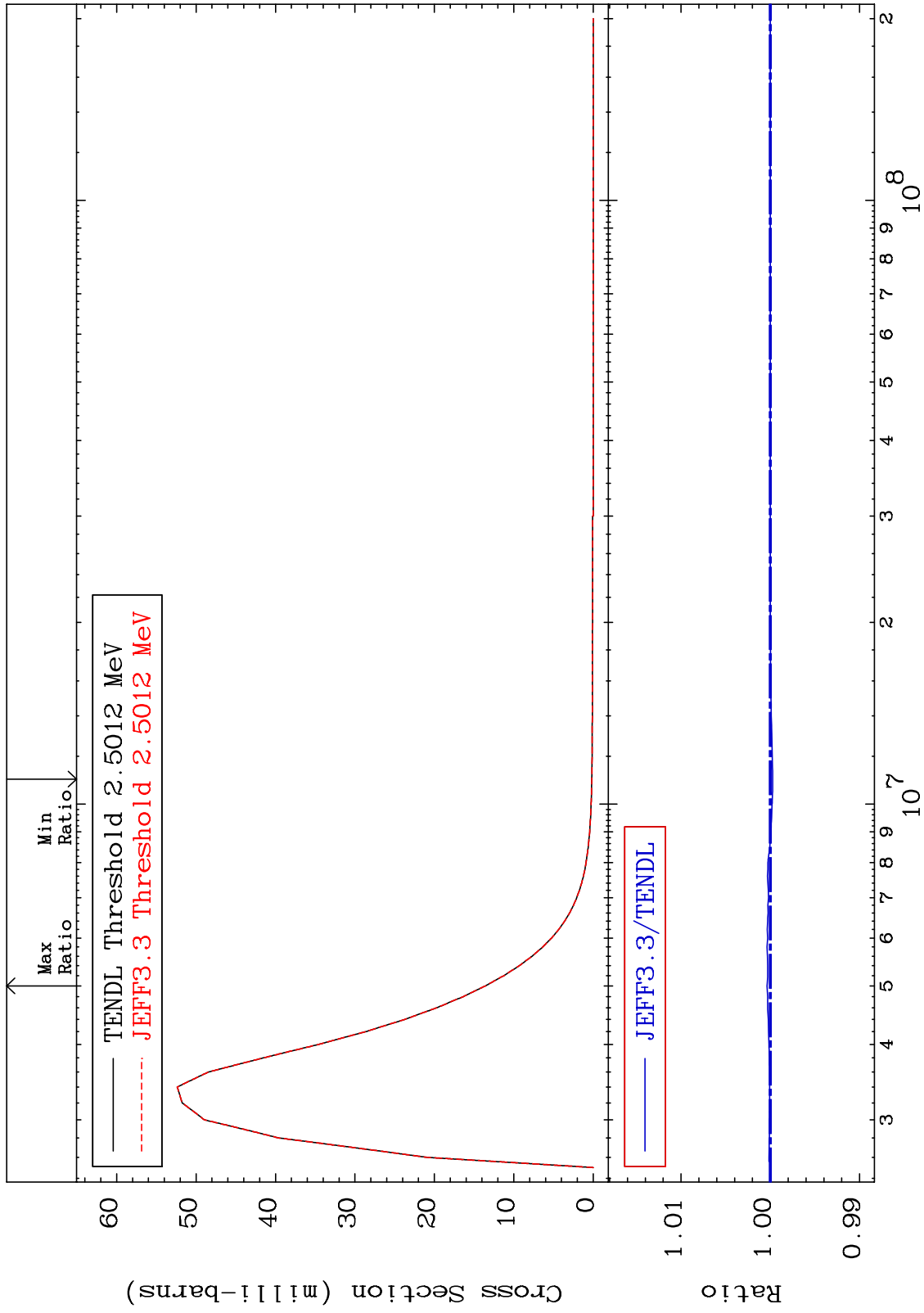
Incident Energy (eV)

37-Rb-87

MAT 3731

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

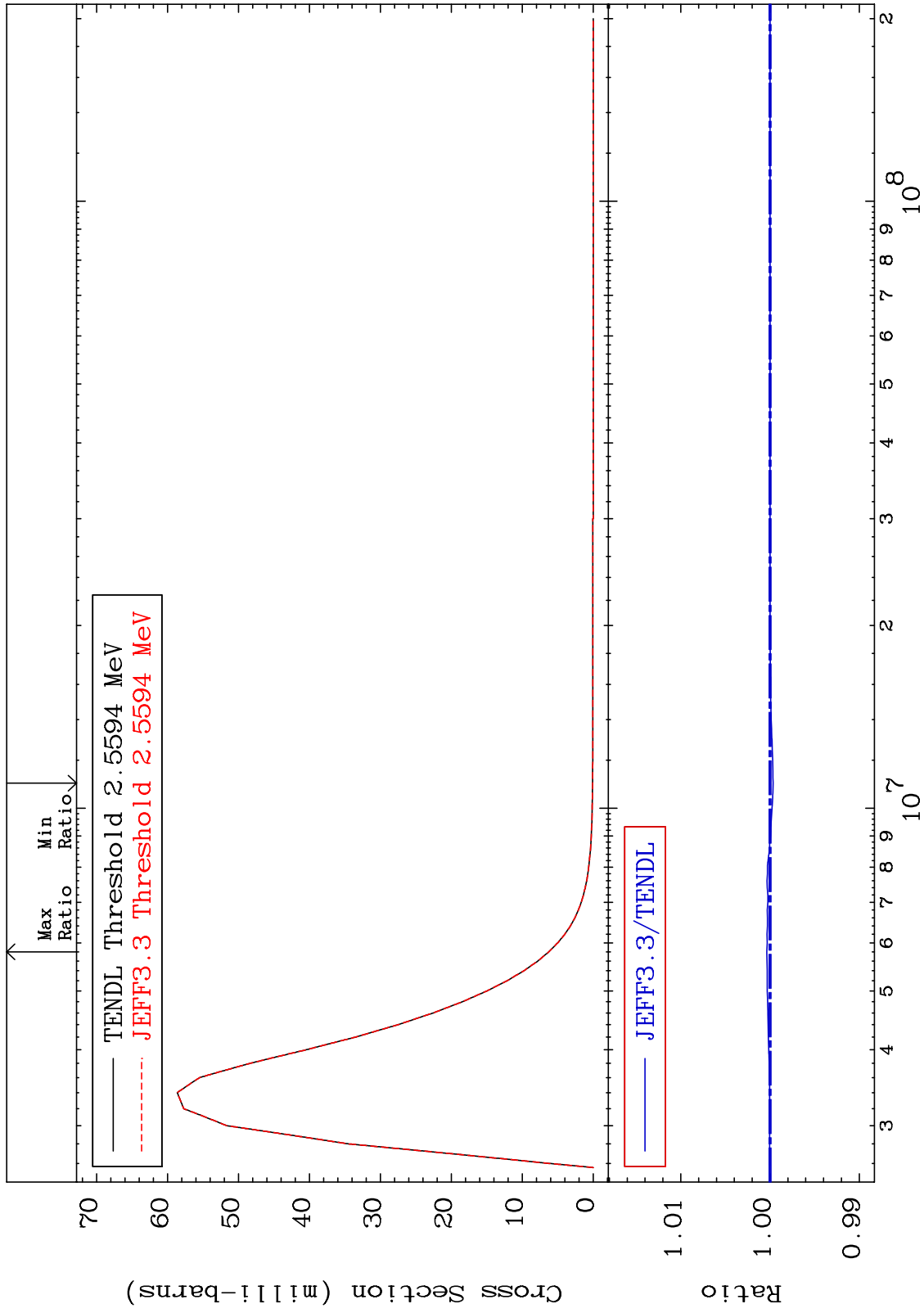
37-Rb-87
-0.027 To 0.037 %



MAT 3731

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

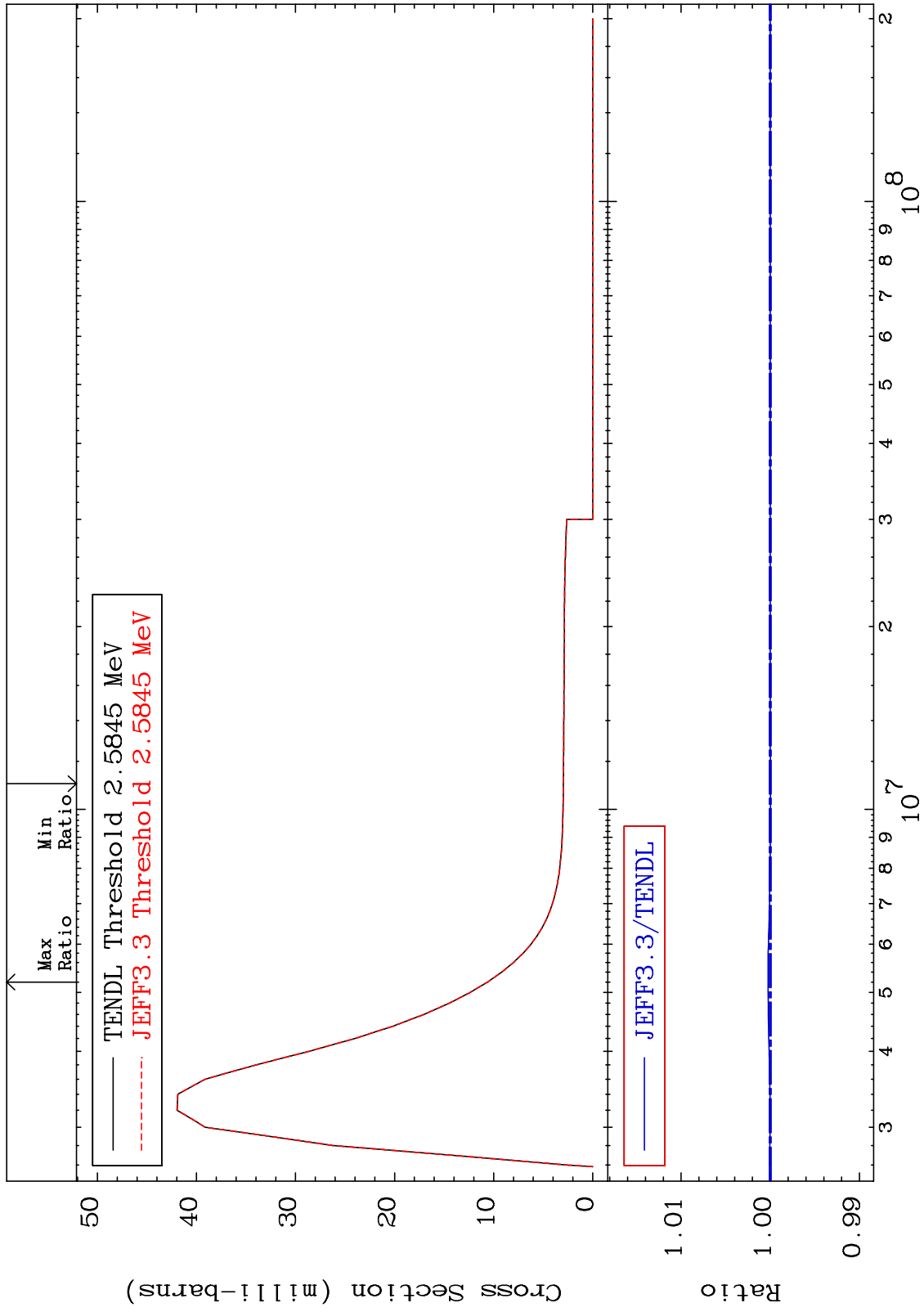
37-Rb-87
-0.035 To 0.038 %



MAT 3731

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

37-Rb-87
-0.001 To 0.025 %



35

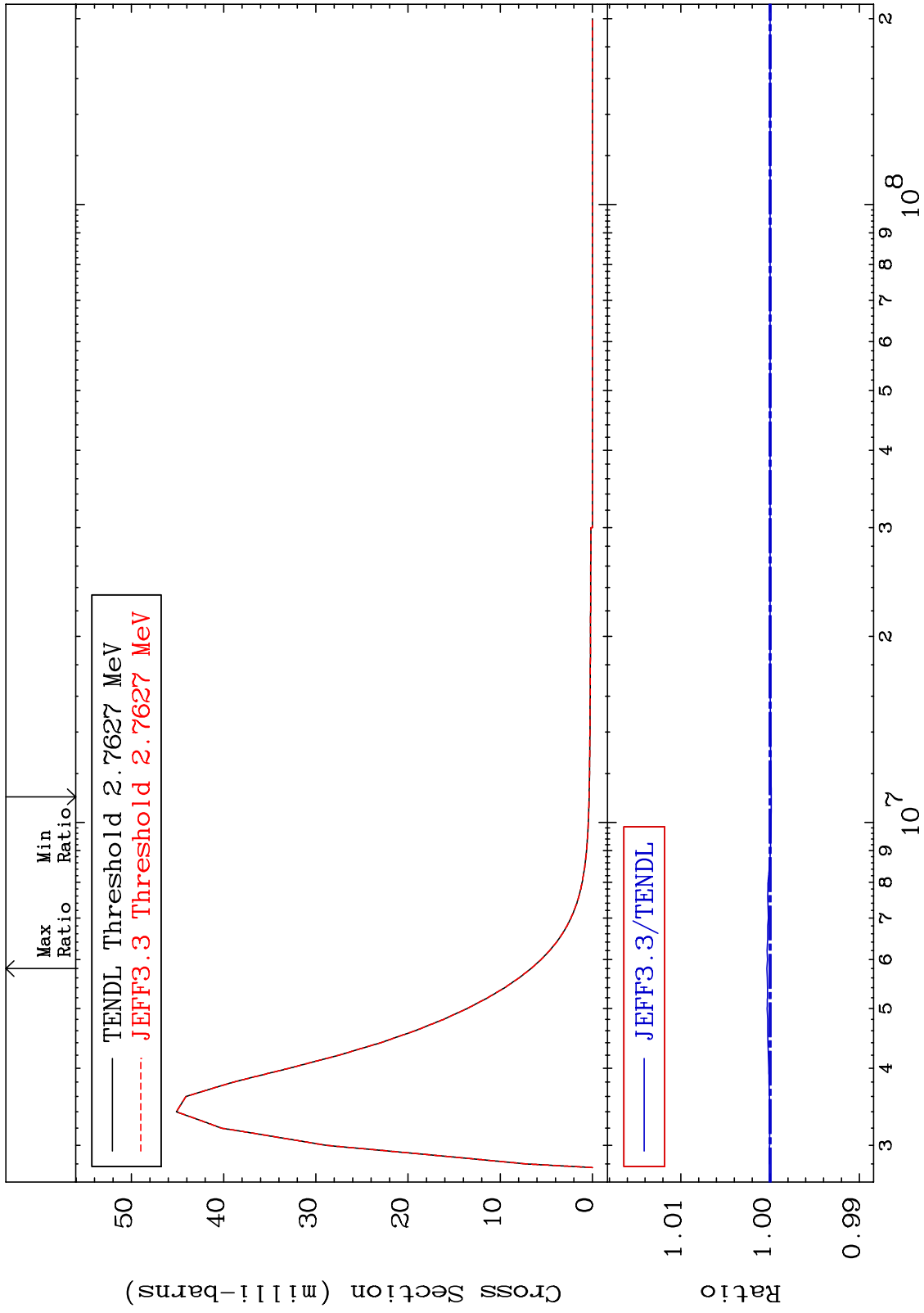
Incident Energy (eV)

37-Rb-87

MAT 3731

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

37-Rb-87
-0.013 To 0.035 %



36

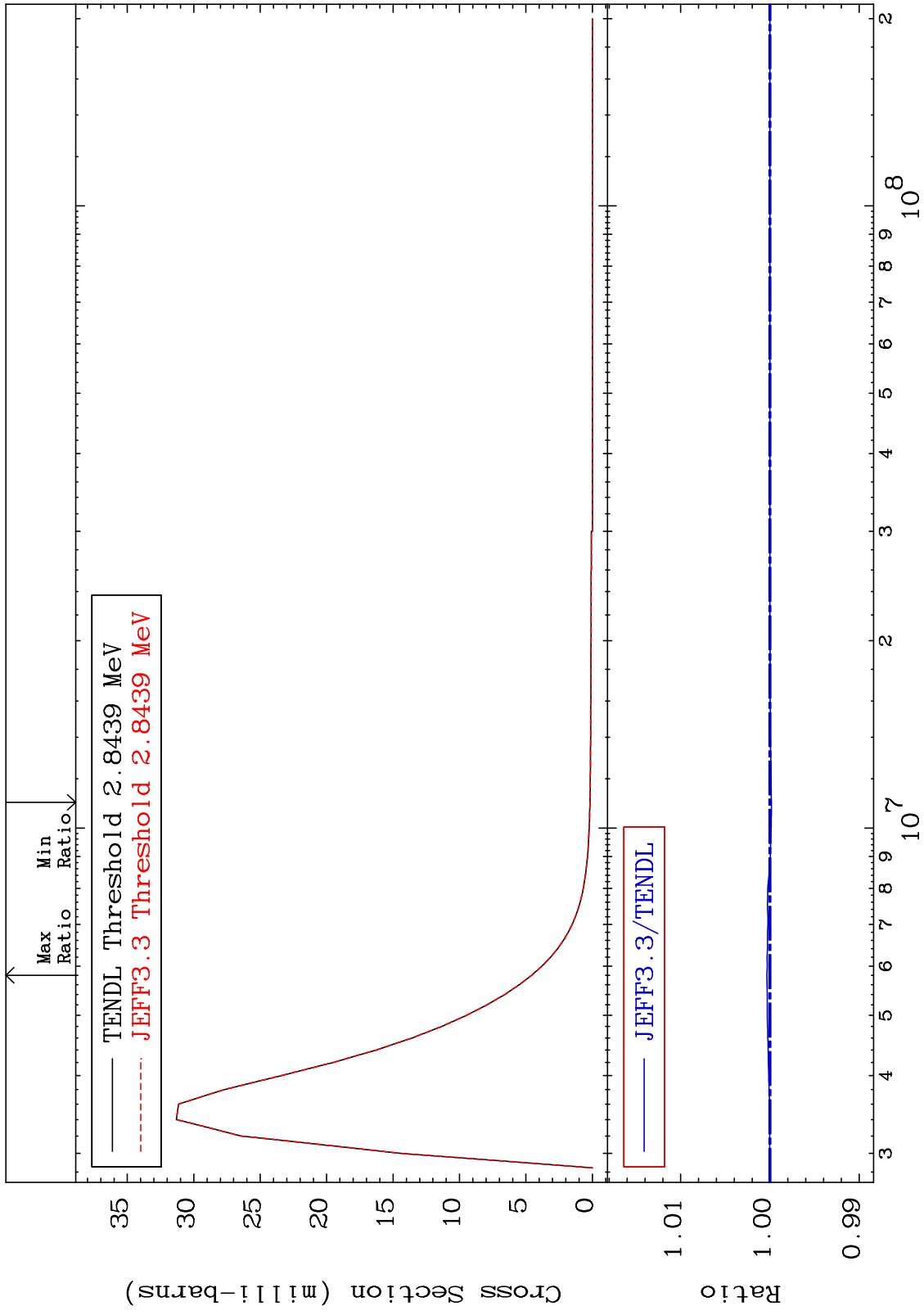
Incident Energy (eV)

37-Rb-87

MAT 3731

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

37-Rb-87
-0.016 To 0.036 %



37

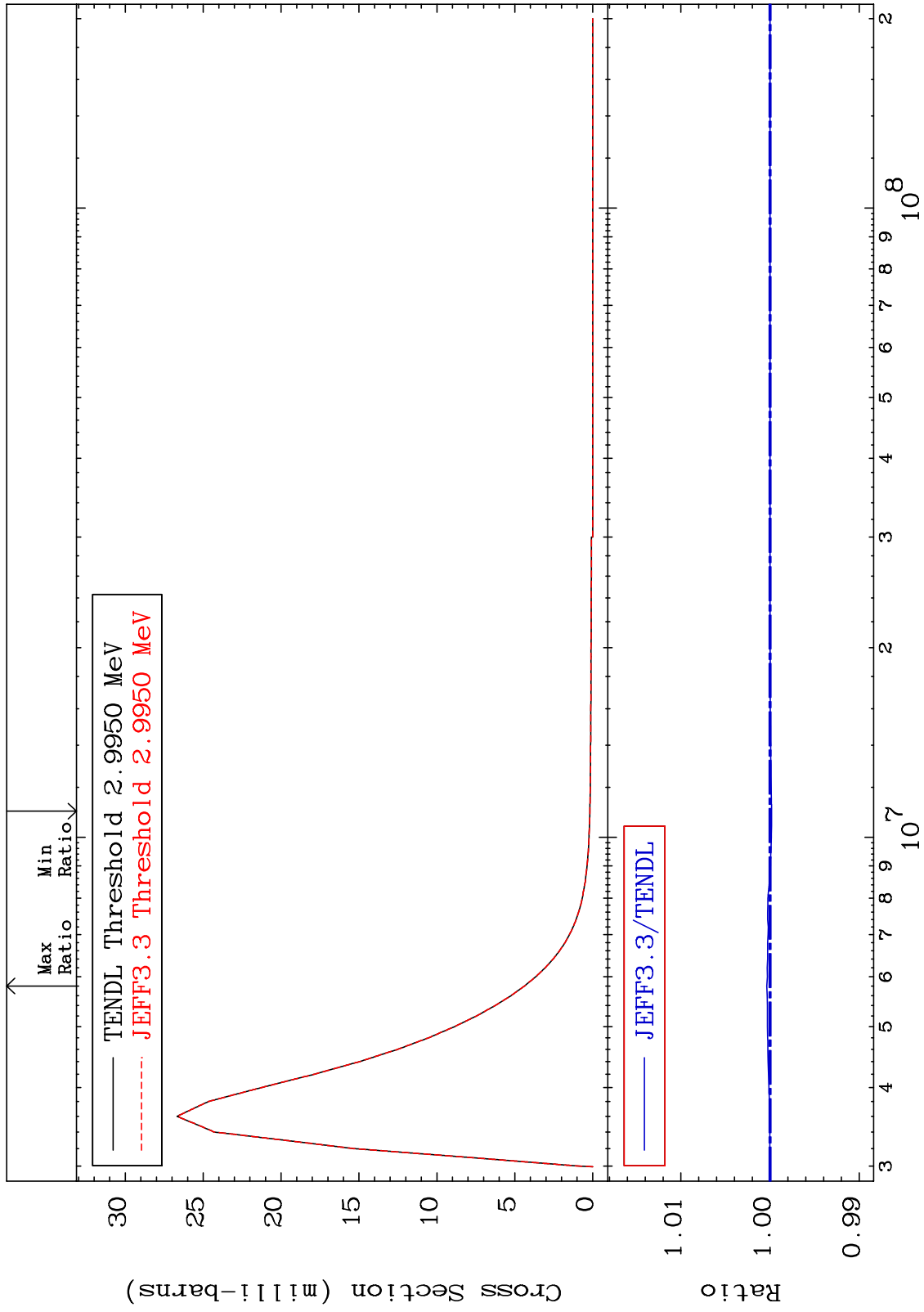
Incident Energy (eV)

37-Rb-87

MAT 3731

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

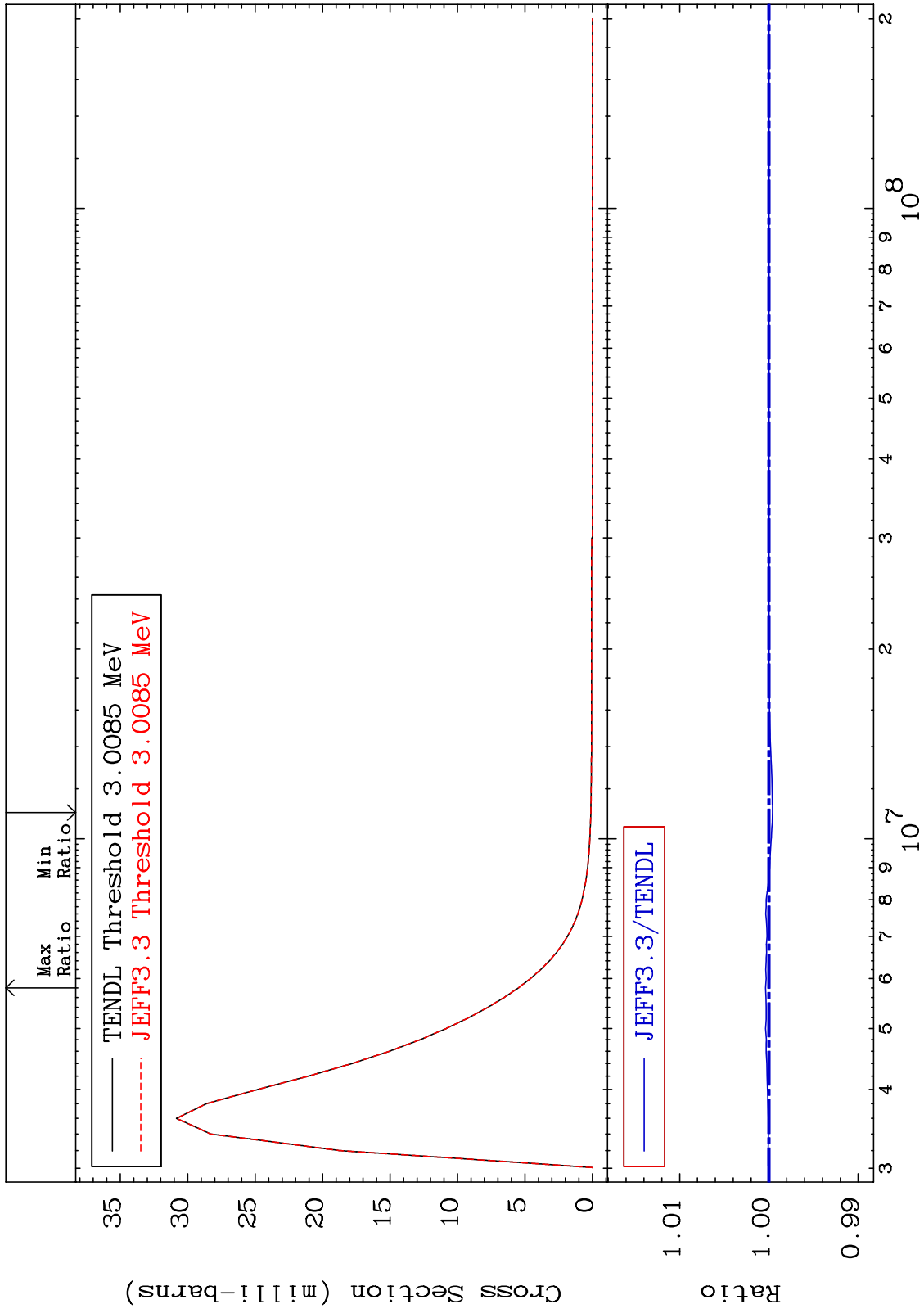
37-Rb-87
-0.016 To 0.036 %



MAT 3731

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

37-Rb-87
-0.041 To 0.037 %



39

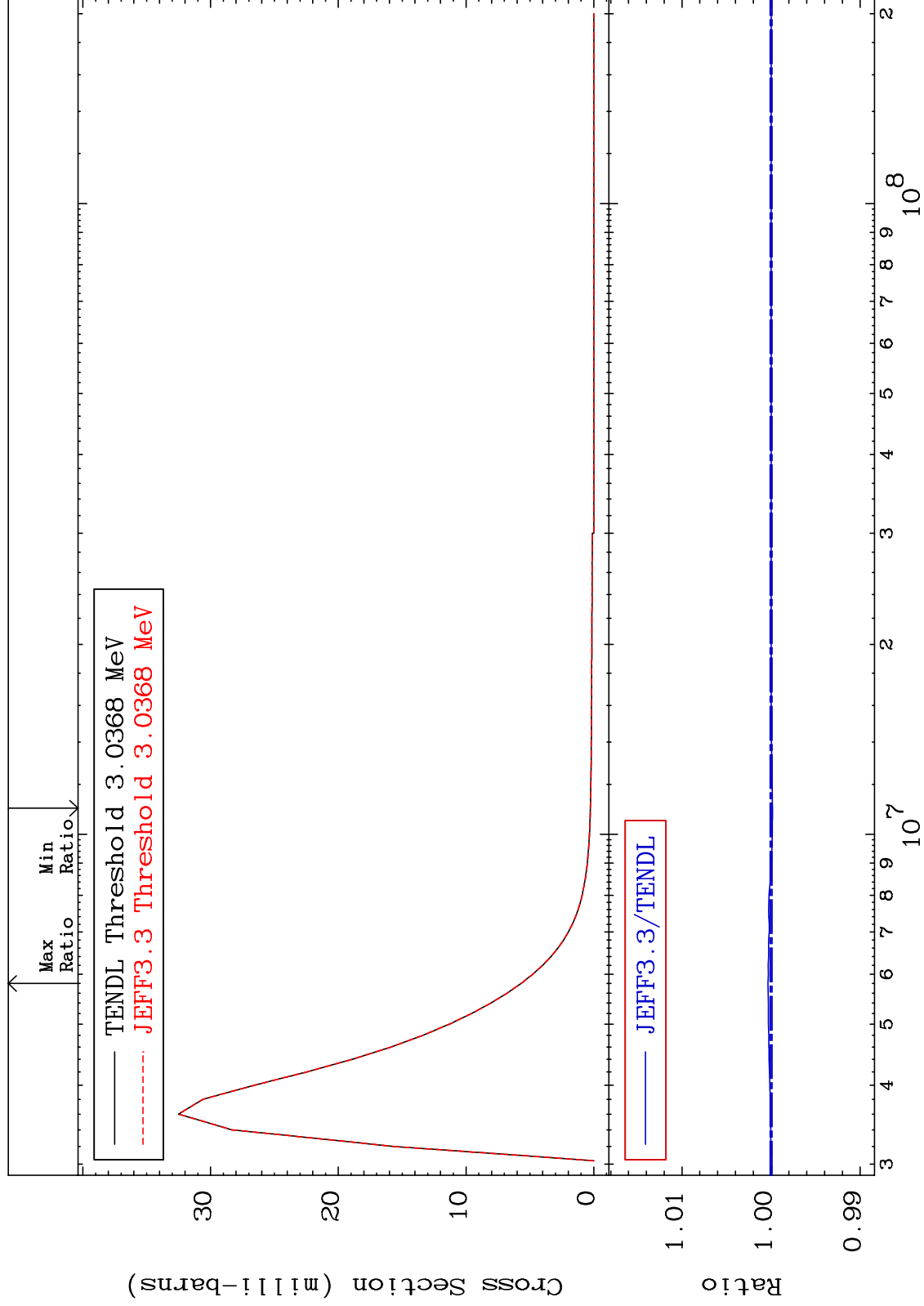
Incident Energy (eV)

37-Rb-87

MAT 3731

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

37-Rb-87
-0.015 To 0.036 %



40

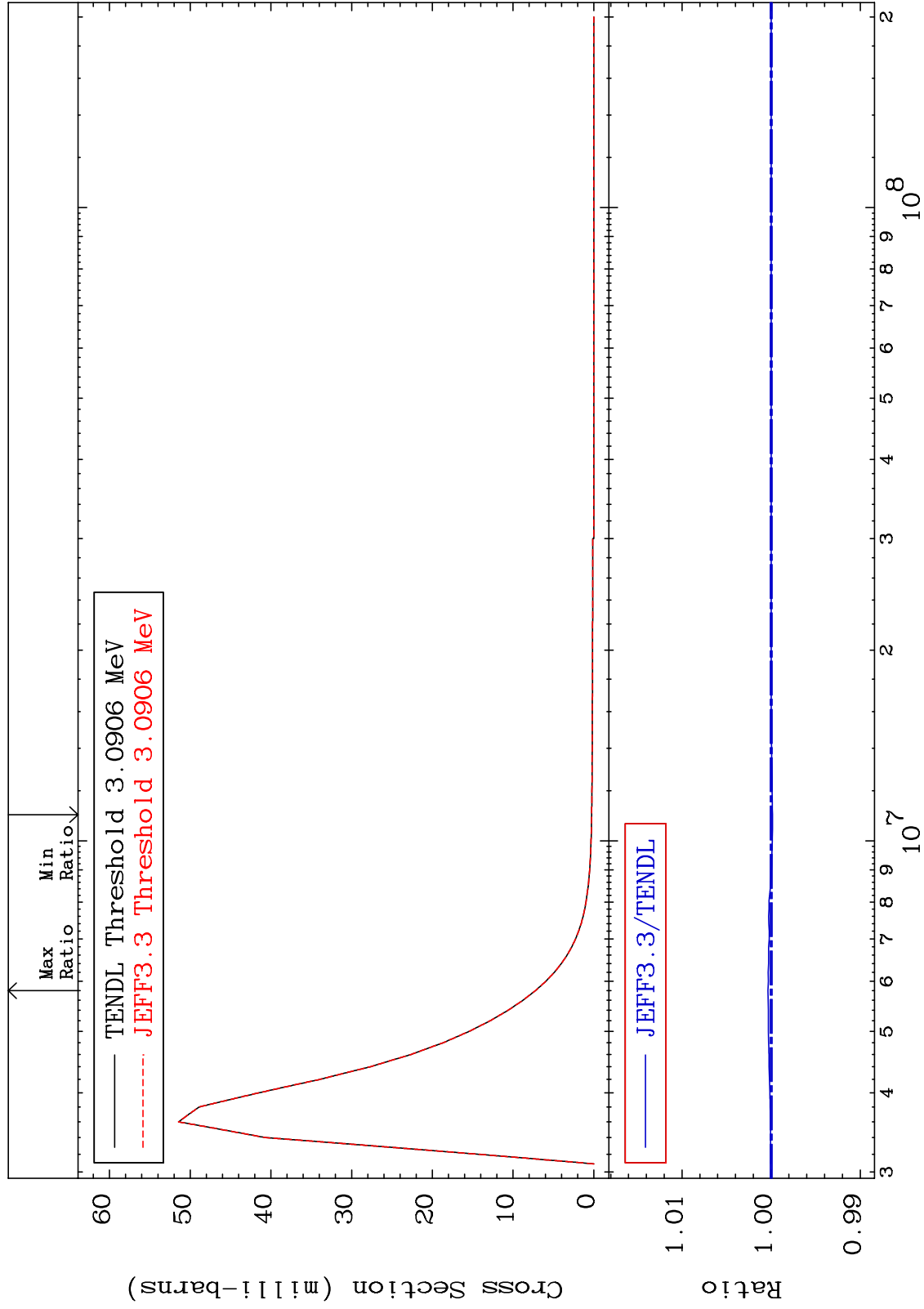
Incident Energy (eV)

37-Rb-87

MAT 3731

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

37-Rb-87
-0.015 To 0.037 %



41

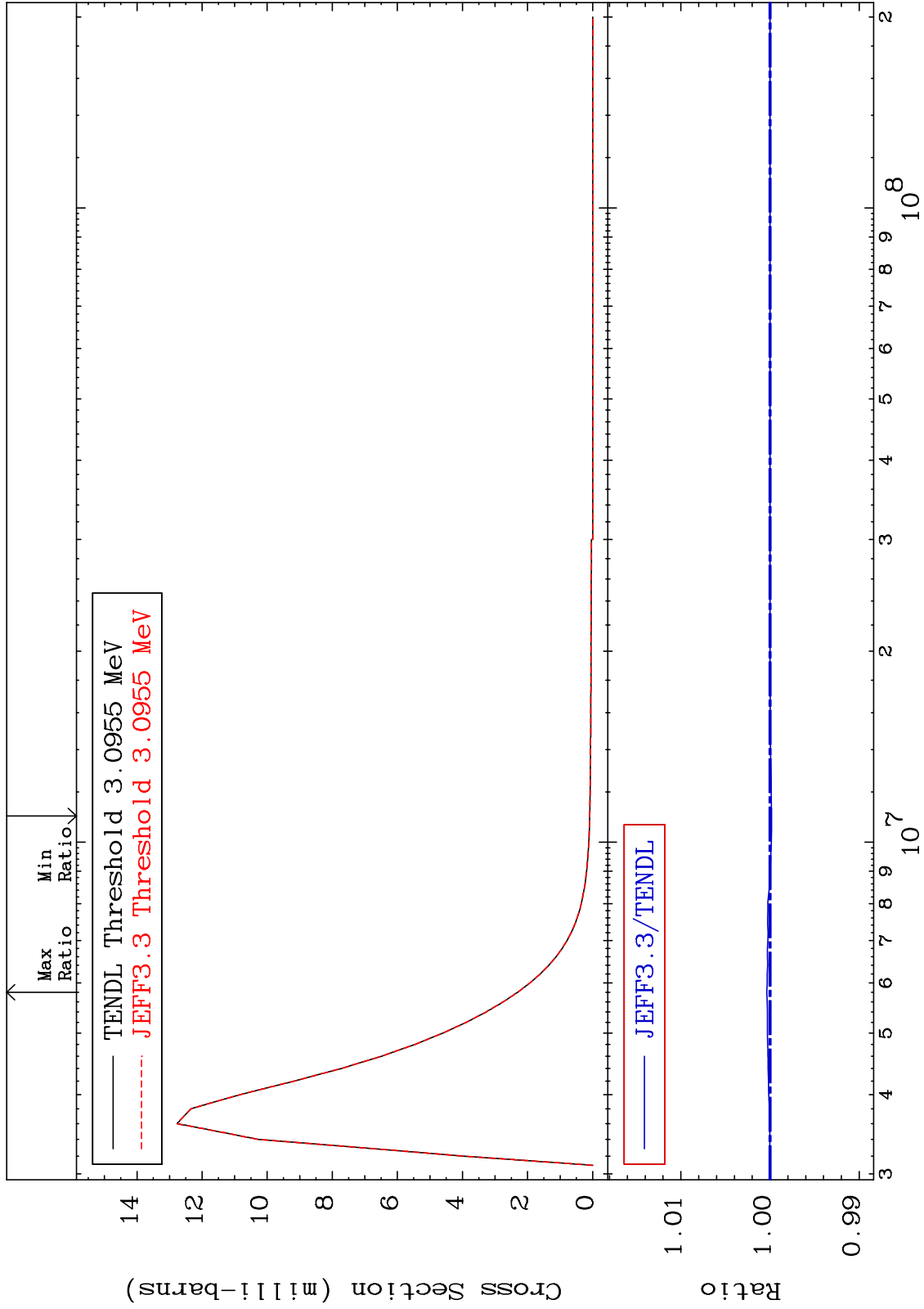
Incident Energy (eV)

37-Rb-87

MAT 3731

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

37-Rb-87
-0.017 To 0.036 %



42

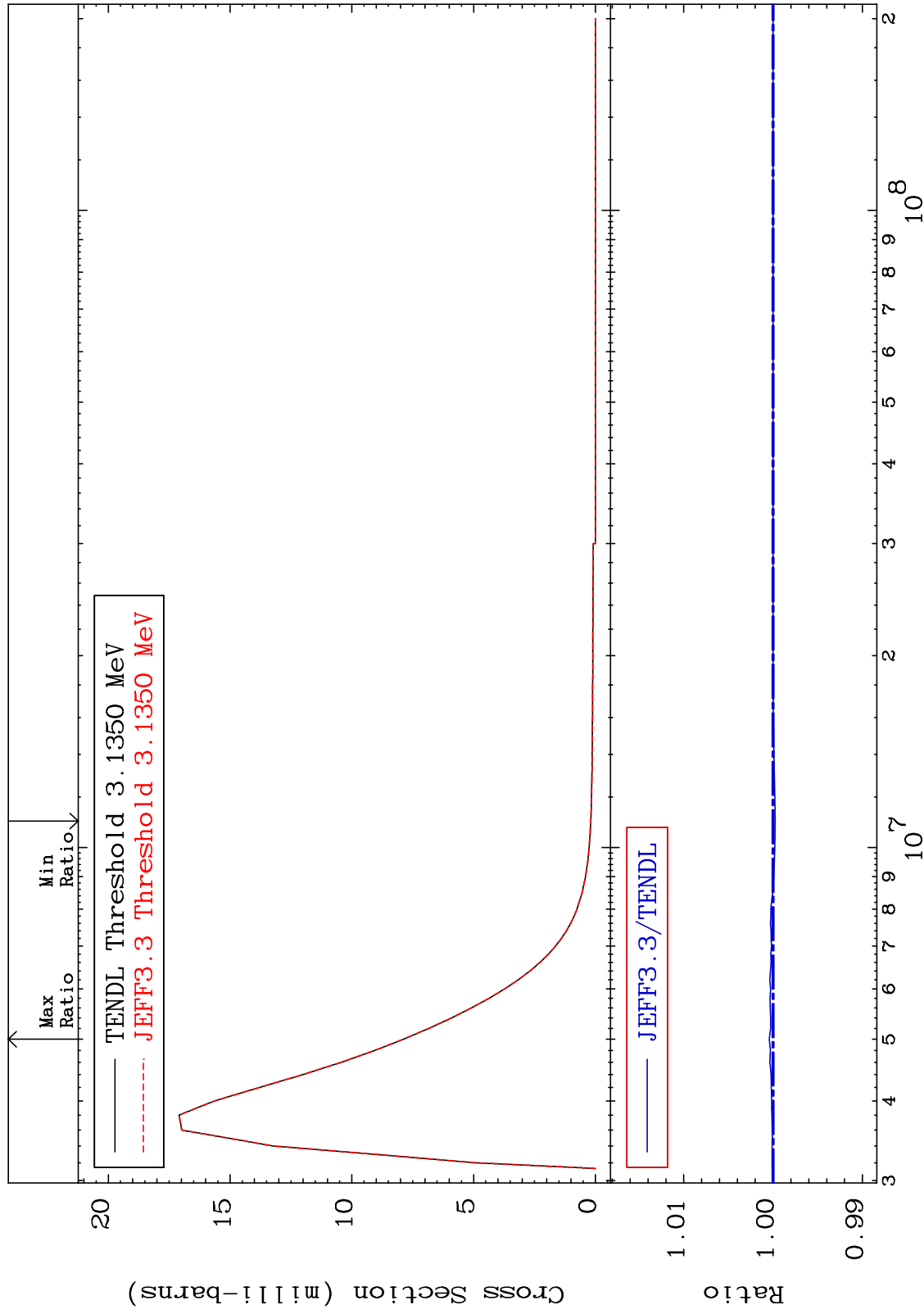
37-Rb-87

37-Rb-87

MAT 3731

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

37-Rb-87
-0.023 To 0.042 %

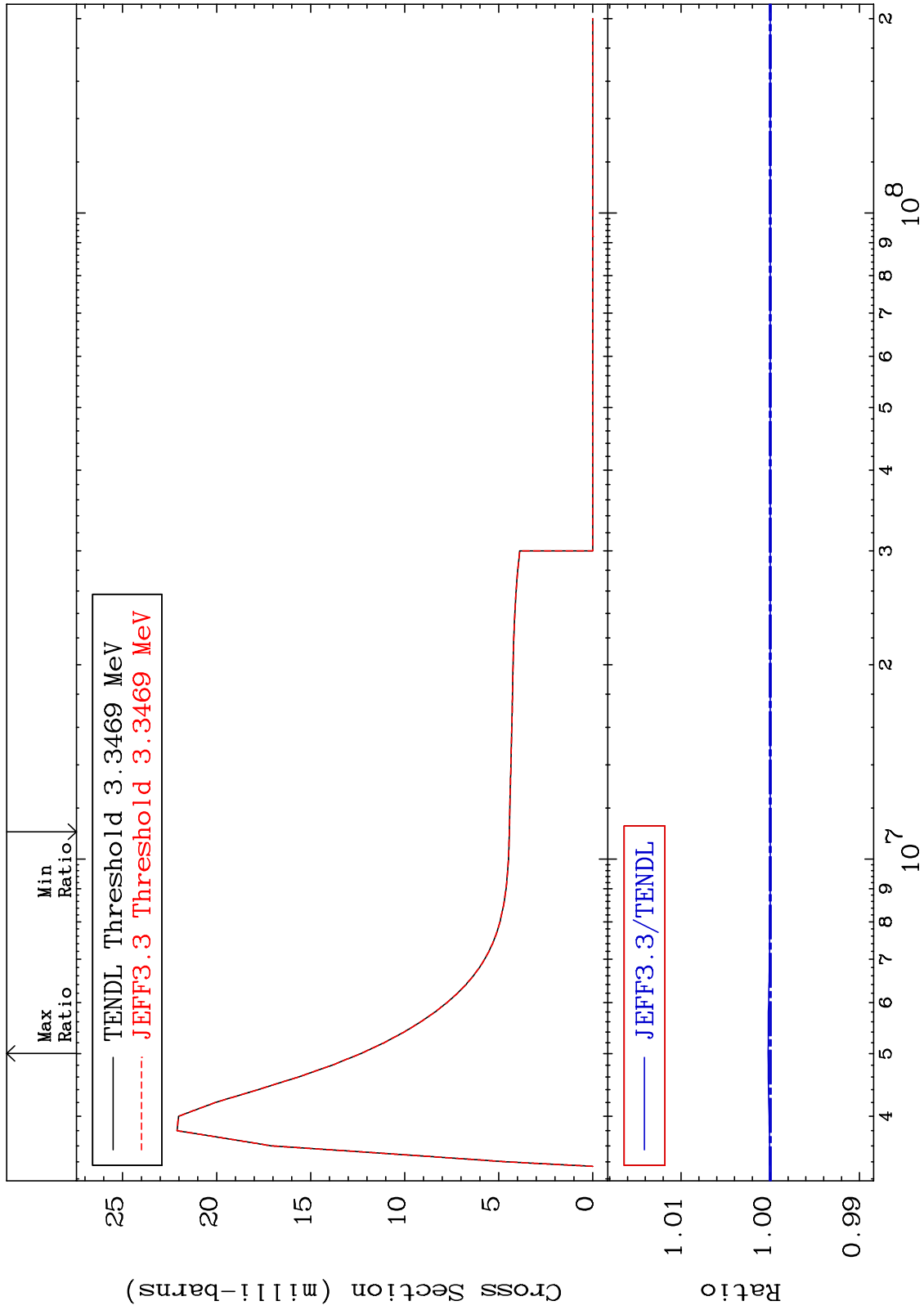


43

Incident Energy (eV)

37-Rb-87

MAT 3731 MT= 78 (n,n') Level Cross Section 37-Rb-87 To 0.024 %



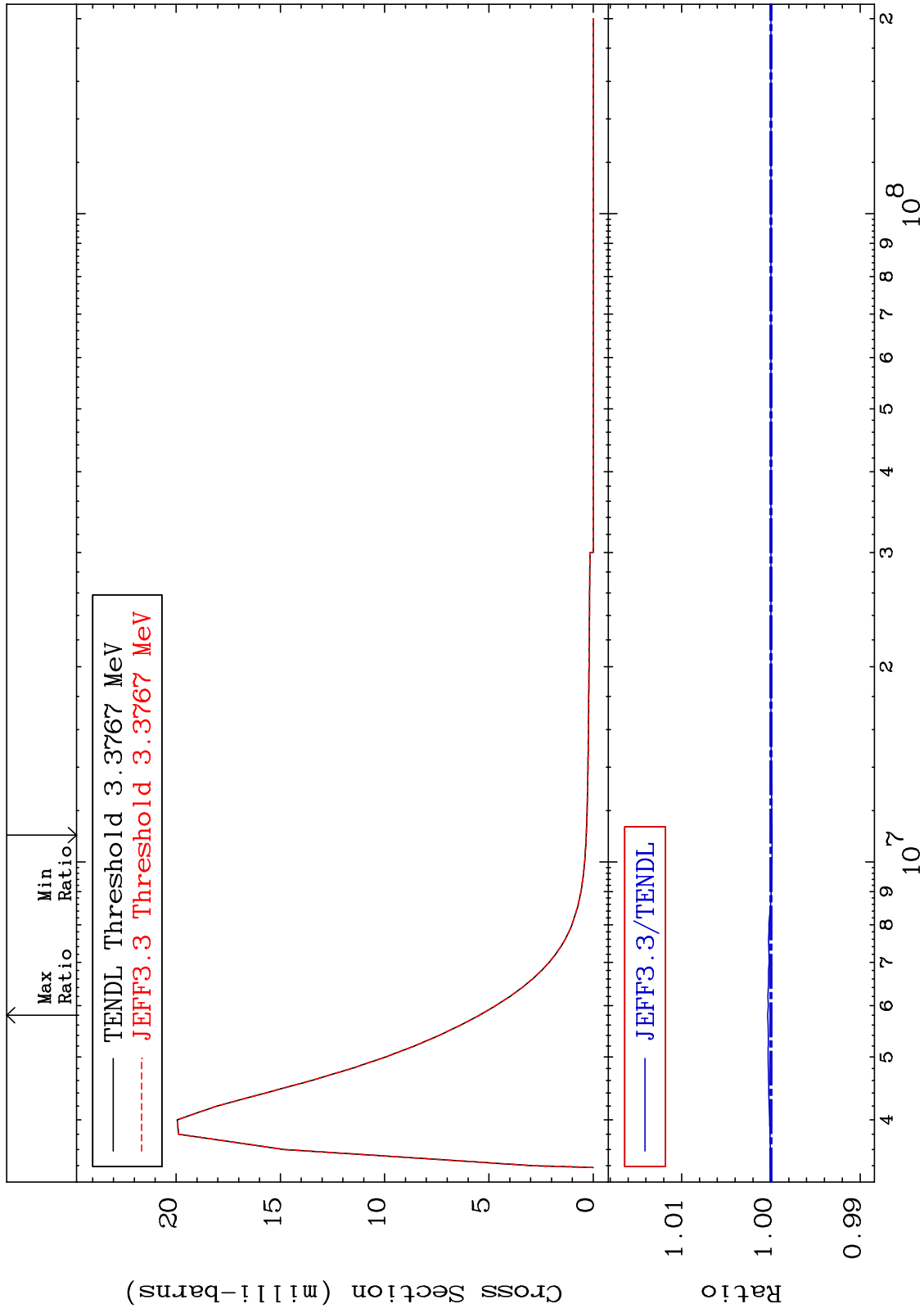
37-Rb-87

Incident Energy (eV)

MAT 3731

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

37-Rb-87
-0.014 To 0.036 %



45

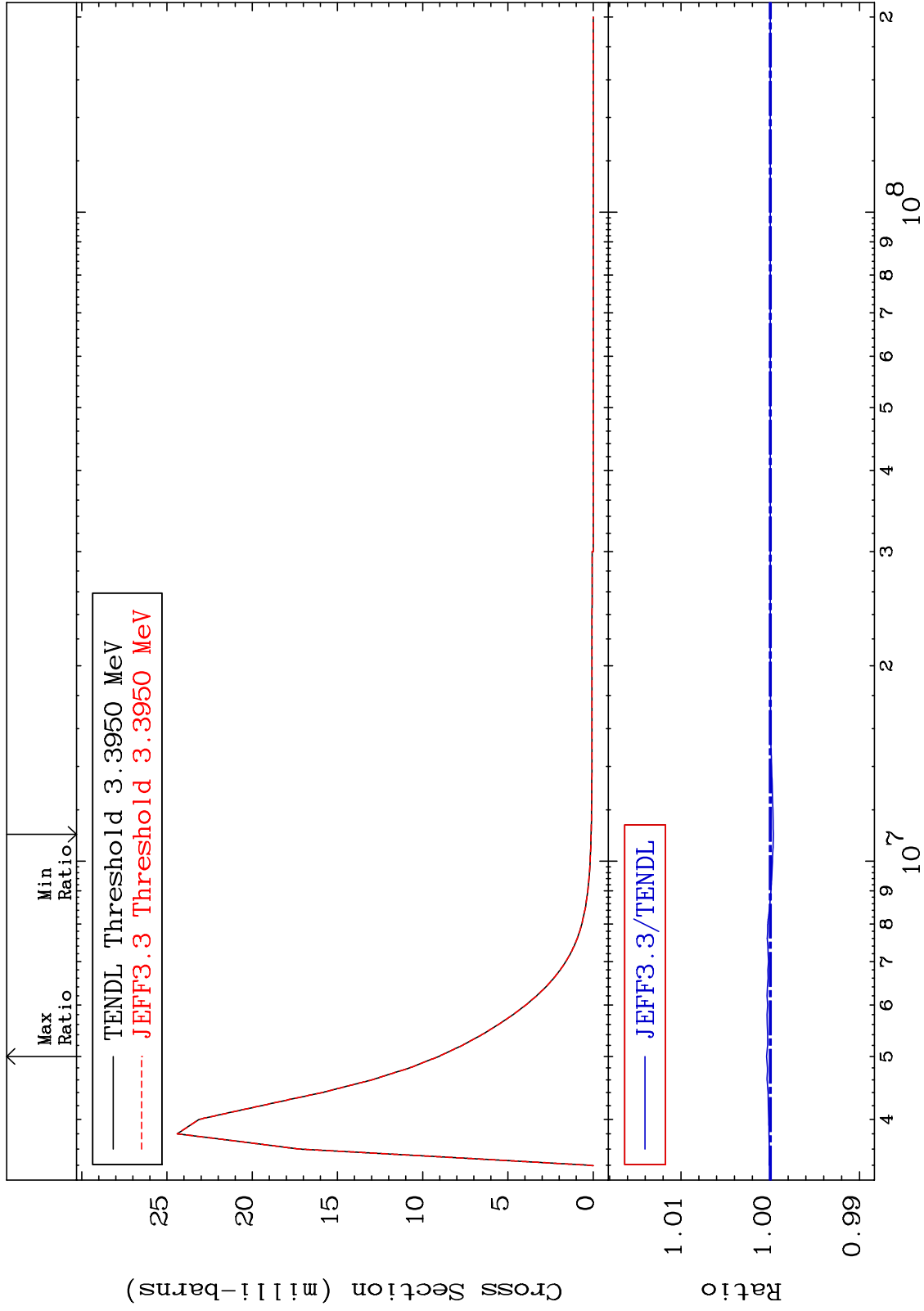
Incident Energy (eV)

37-Rb-87

MAT 3731

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

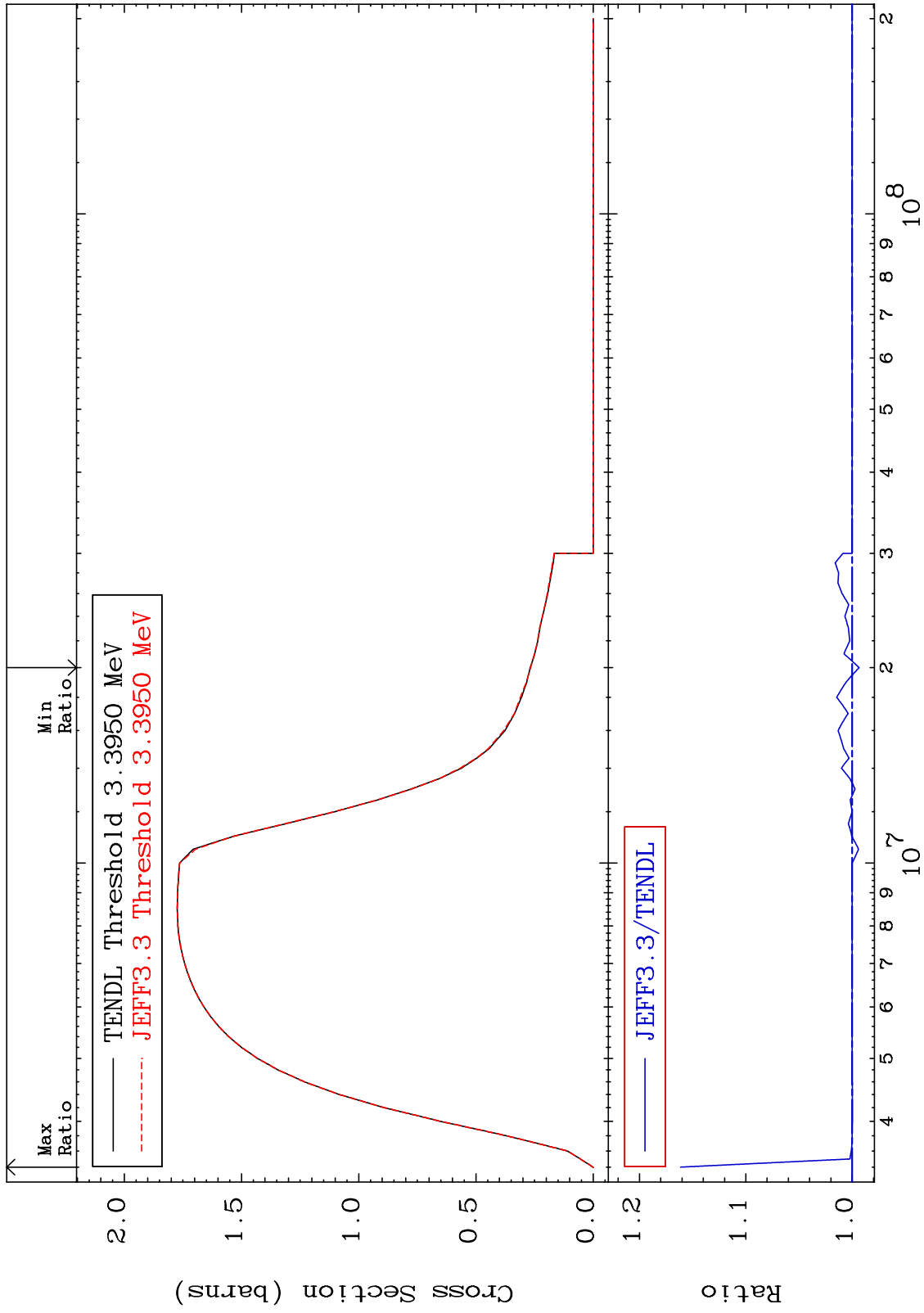
37-Rb-87
-0.035 To 0.042 %



MAT 3731

(n,n') Continuum
Cross Section

37-Rb-87
-0.653 To 16.13 %



47

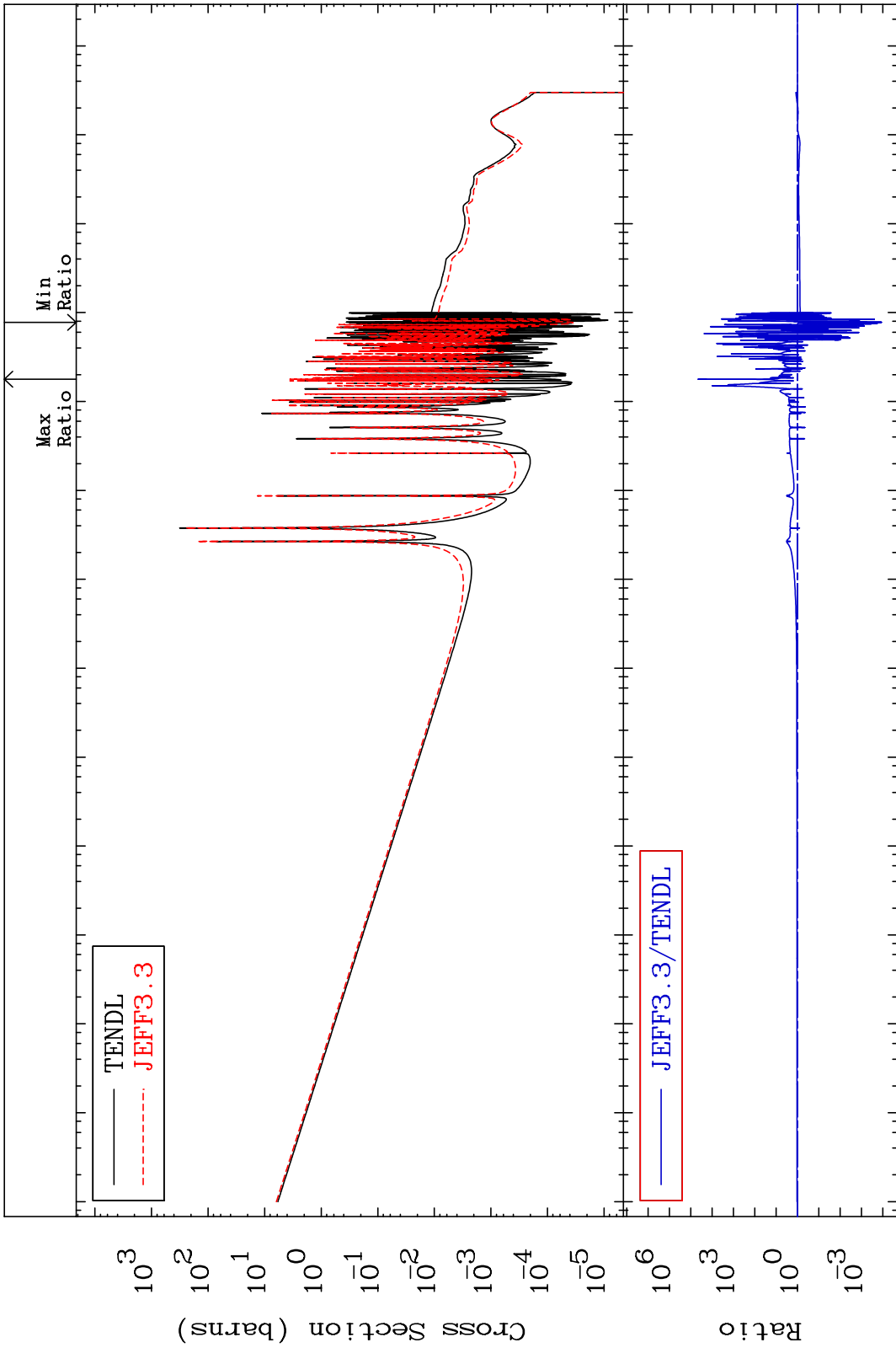
MAT 3731

(n, γ)

37-Rb-87

Cross Section

-99.99 To 9999. %



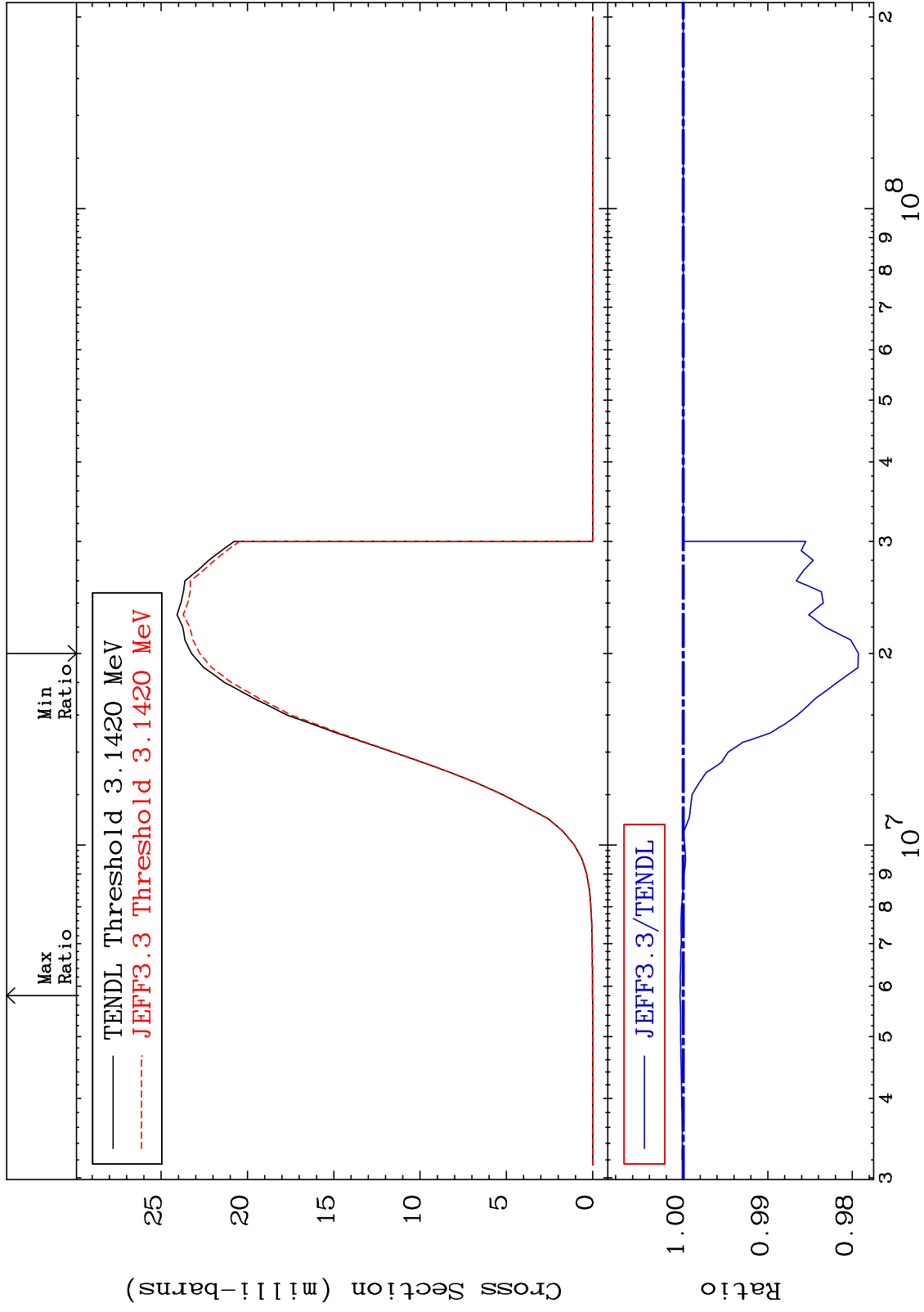
MAT 3731

(n, p)

³⁷Rb-87

Cross Section

-2.072 To 0.039 %



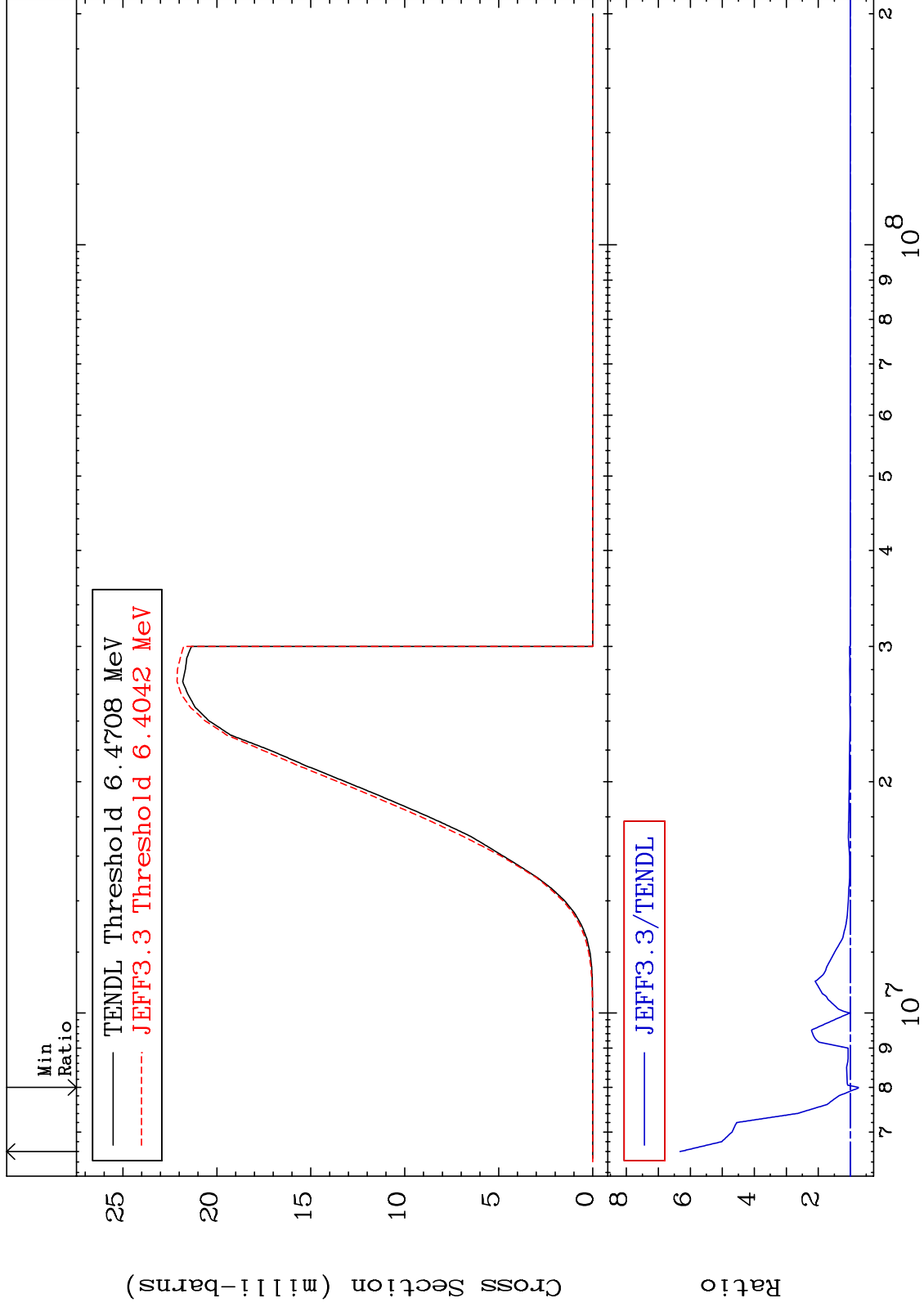
MAT 3731

(n, d)

37-Rb-87

Cross Section

-25.36 To 532.2 %



50

Incident Energy (eV)

37-Rb-87

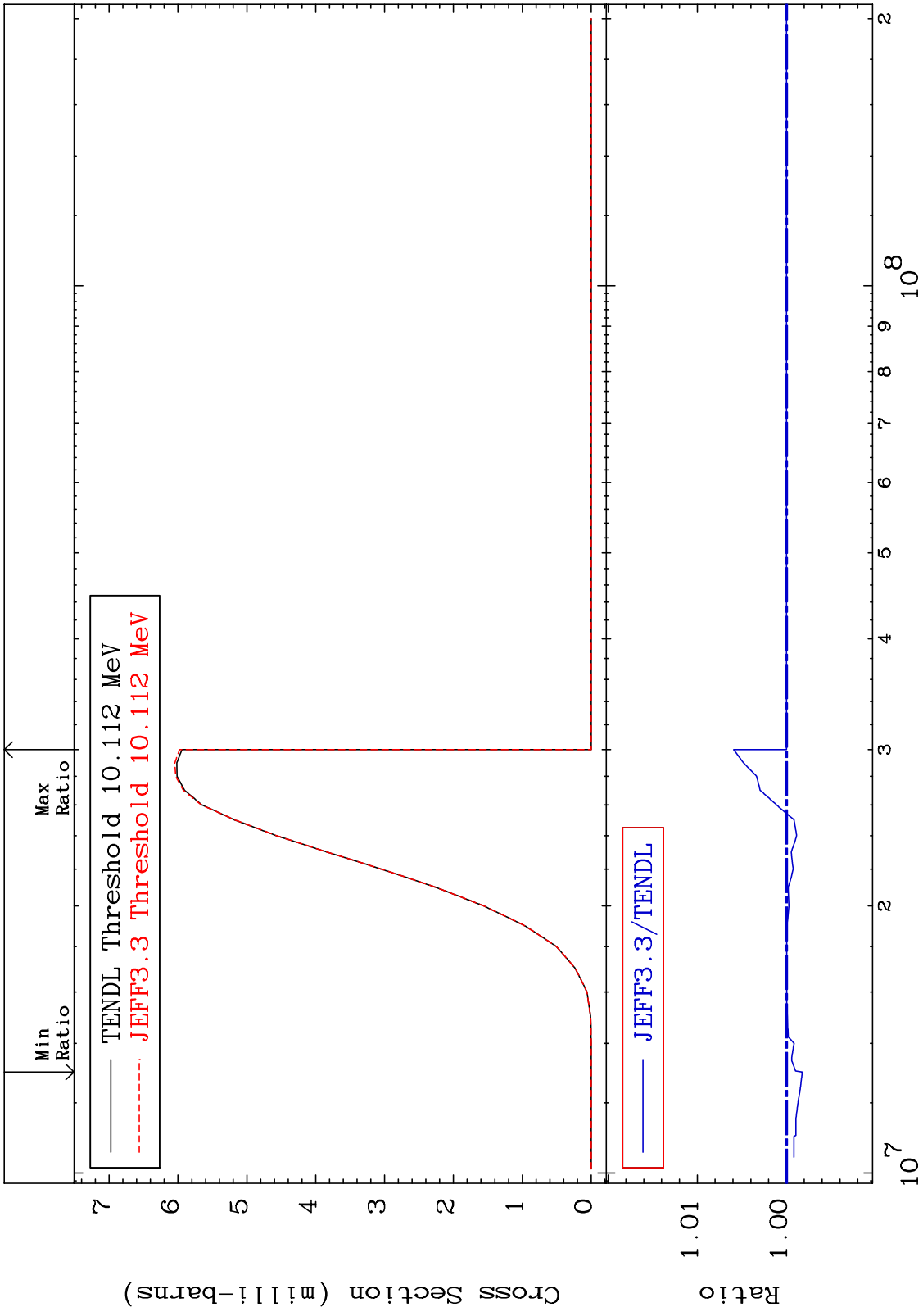
MAT 3731

(n, t)

37-Rb-87

Cross Section

-0.178 To 0.592 %



51

Incident Energy (eV)

37-Rb-87

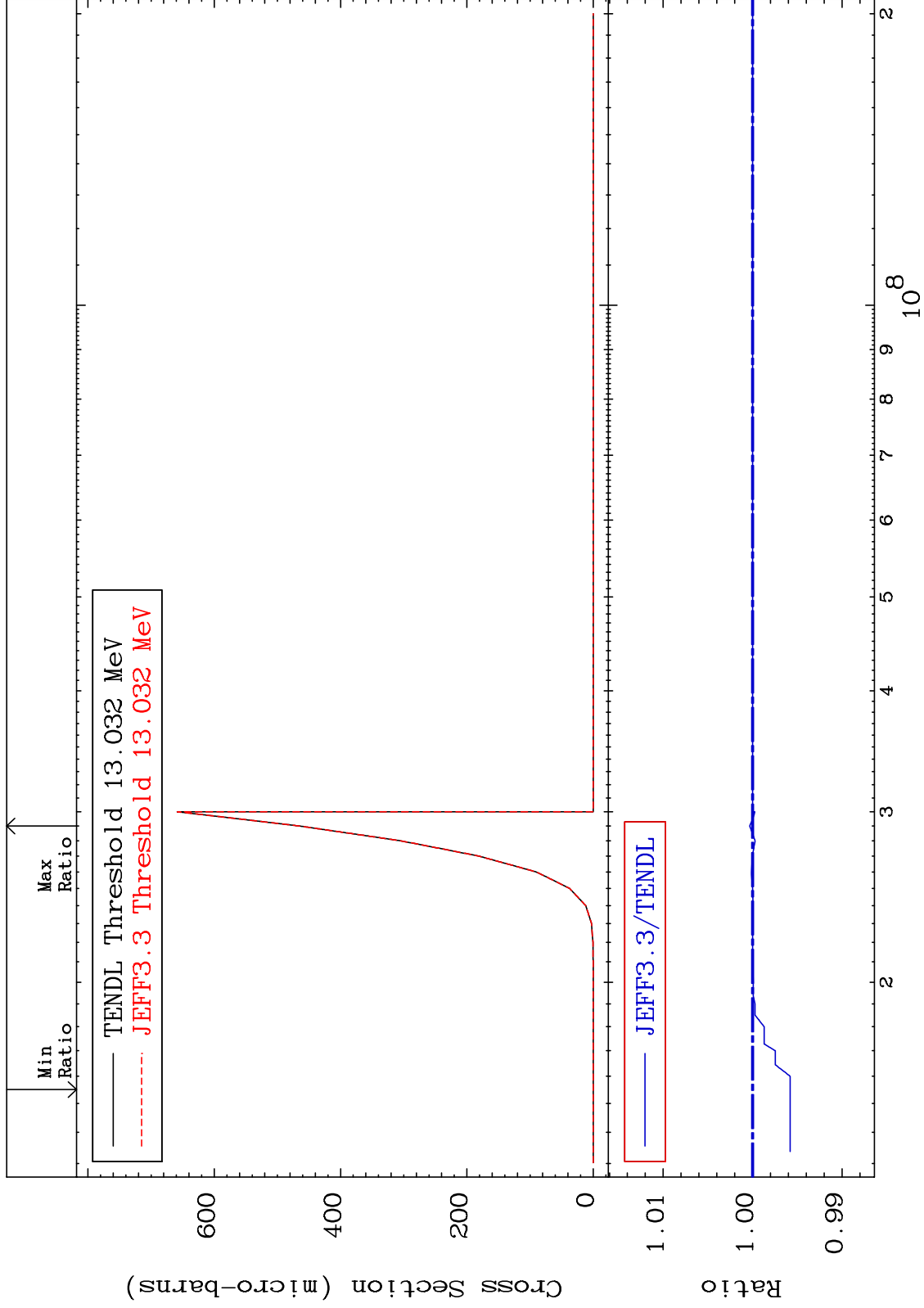
MAT 3731

(n, He-3)

37-Rb-87

Cross Section

-0.419 To 0.033 %



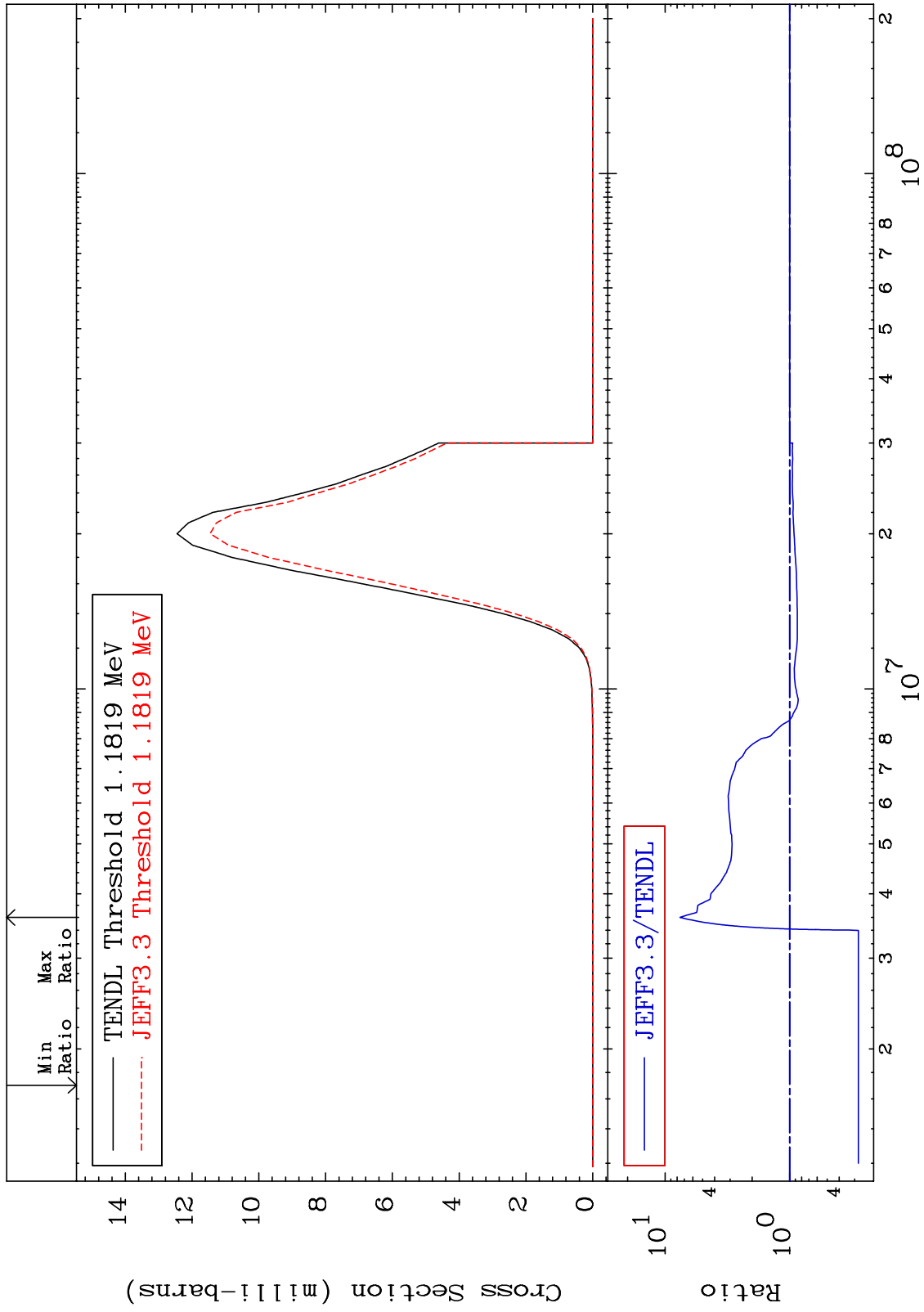
MAT 3731

(n, α)

37-Rb-87

Cross Section

-72.00 To 659.0 %



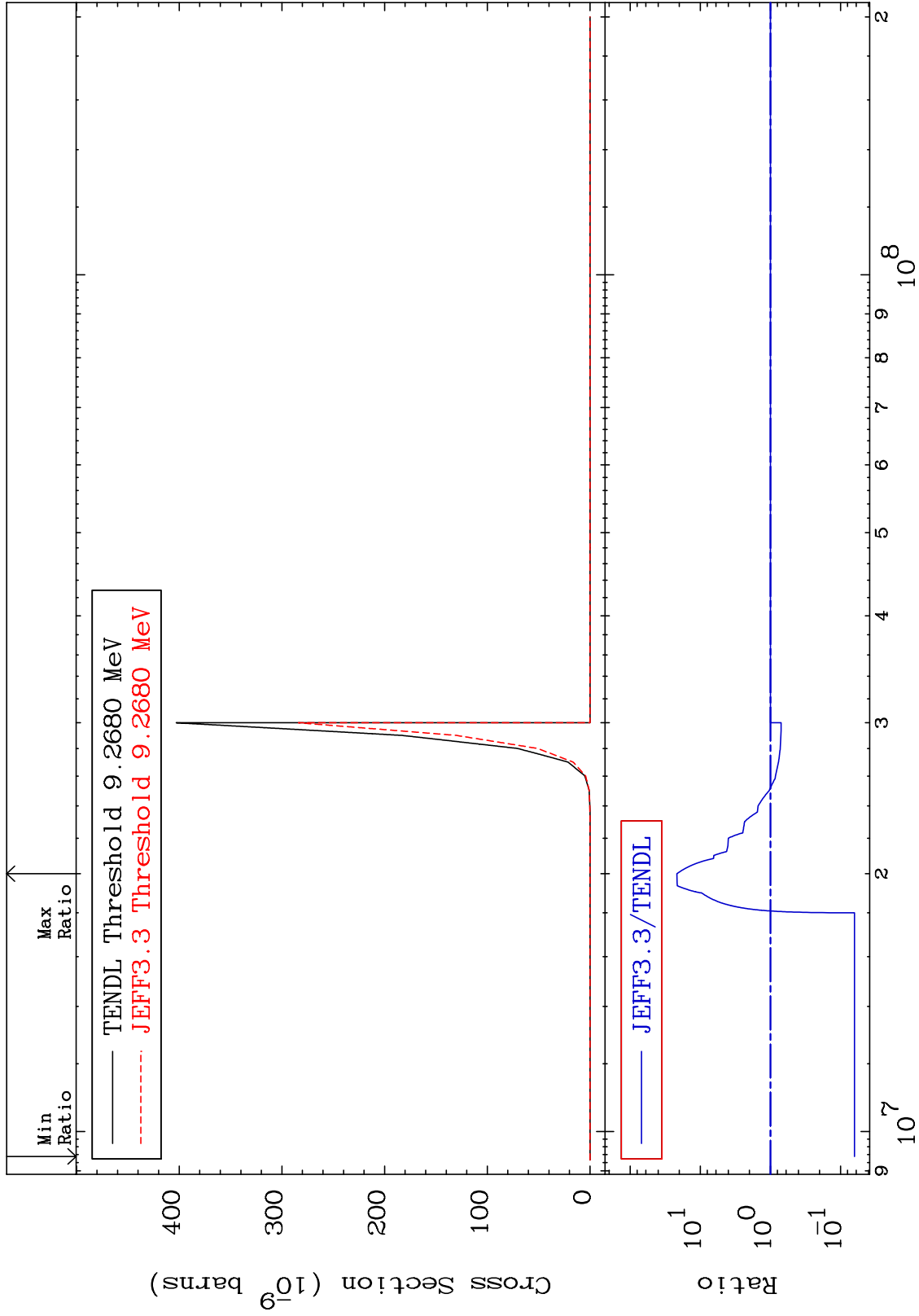
MAT 3731

(n, 2α)

37-Rb-87

Cross Section

-93.65 To 2059. %



54

Incident Energy (eV)

37-Rb-87

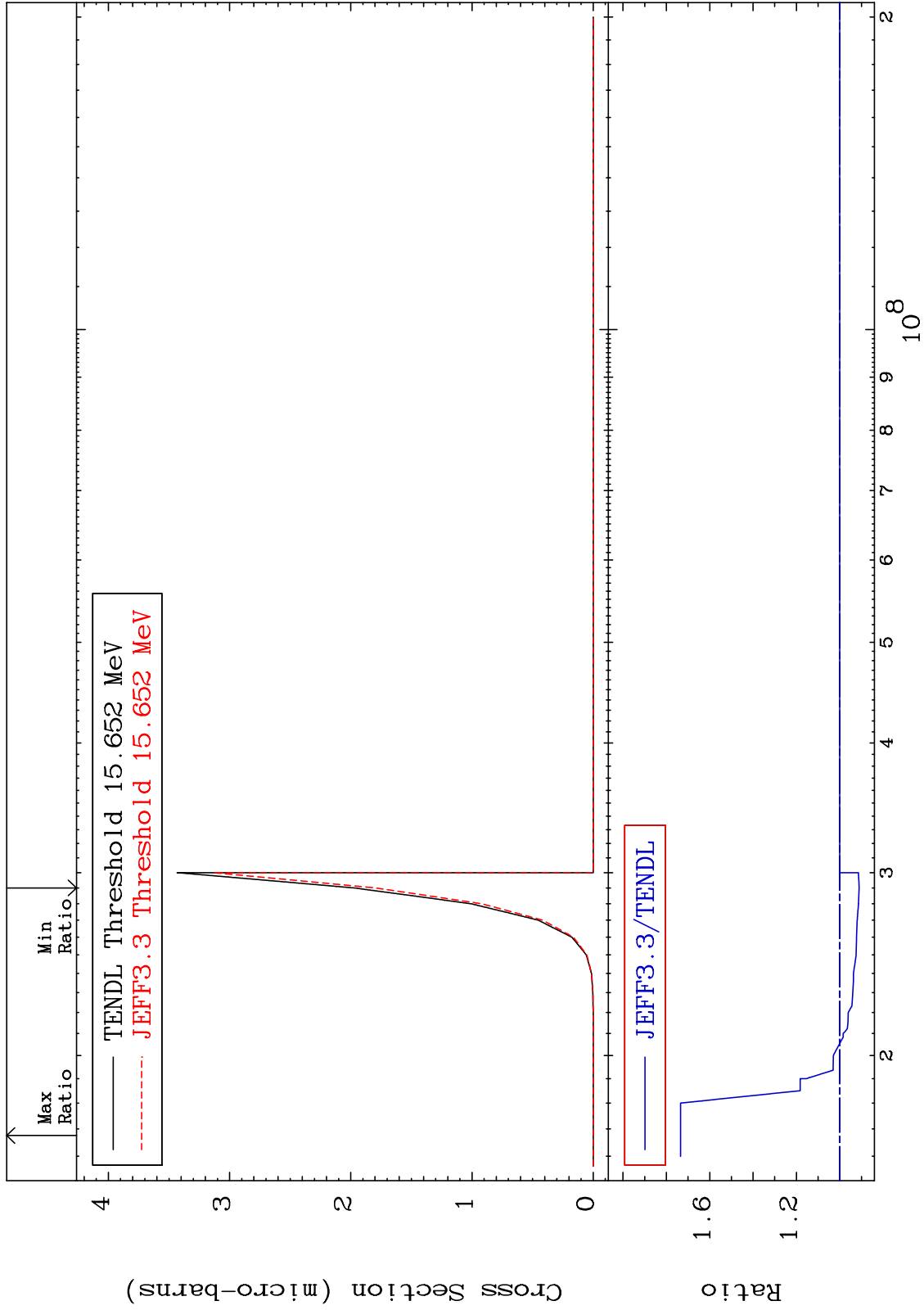
MAT 3731

(n,2p)

37-Rb-87

Cross Section

-8.950 To 73.42 %



55

Incident Energy (eV)

37-Rb-87

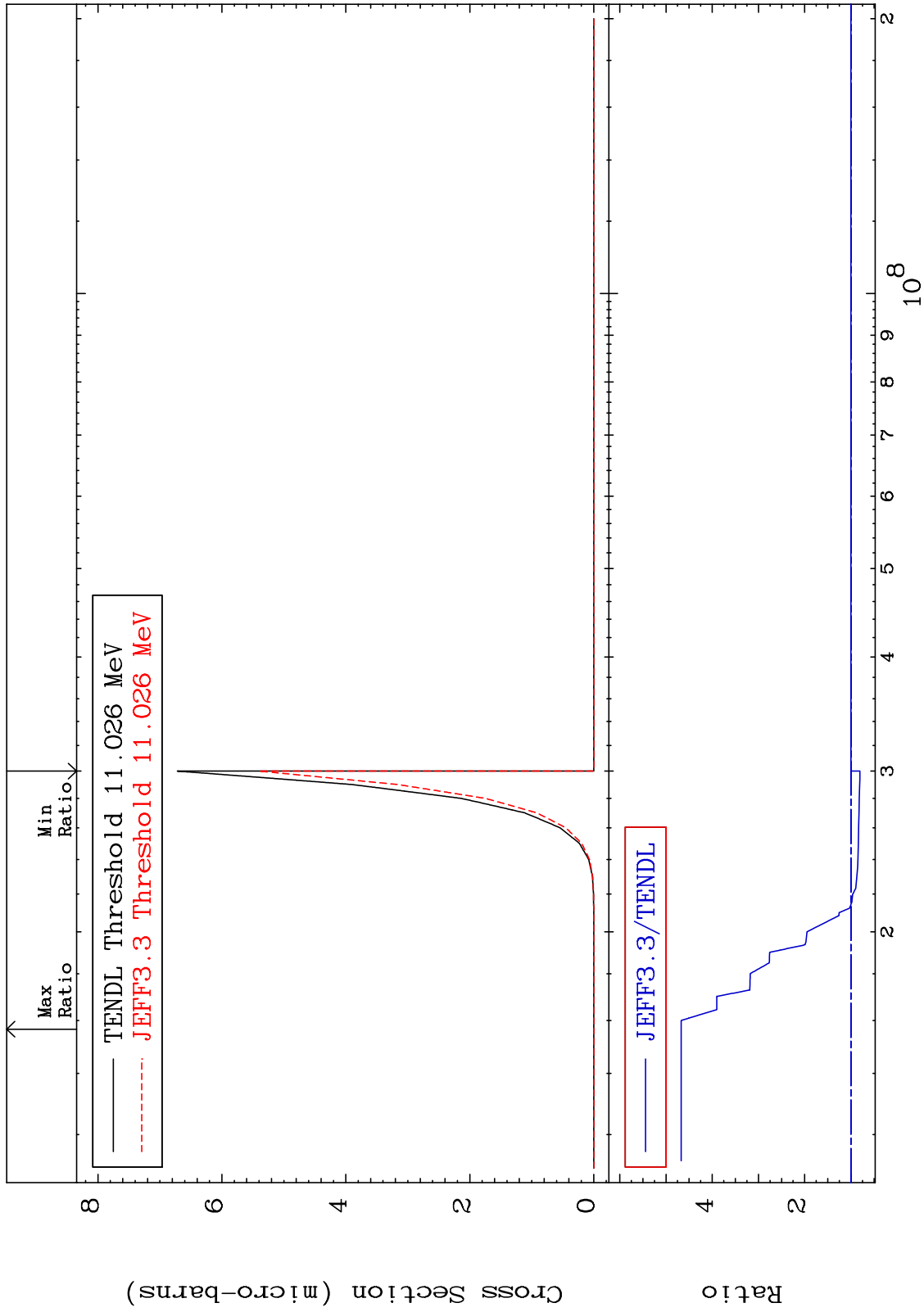
MAT 3731

(n,p) α

37-Rb-87

Cross Section

-19.53 To 367.0 %



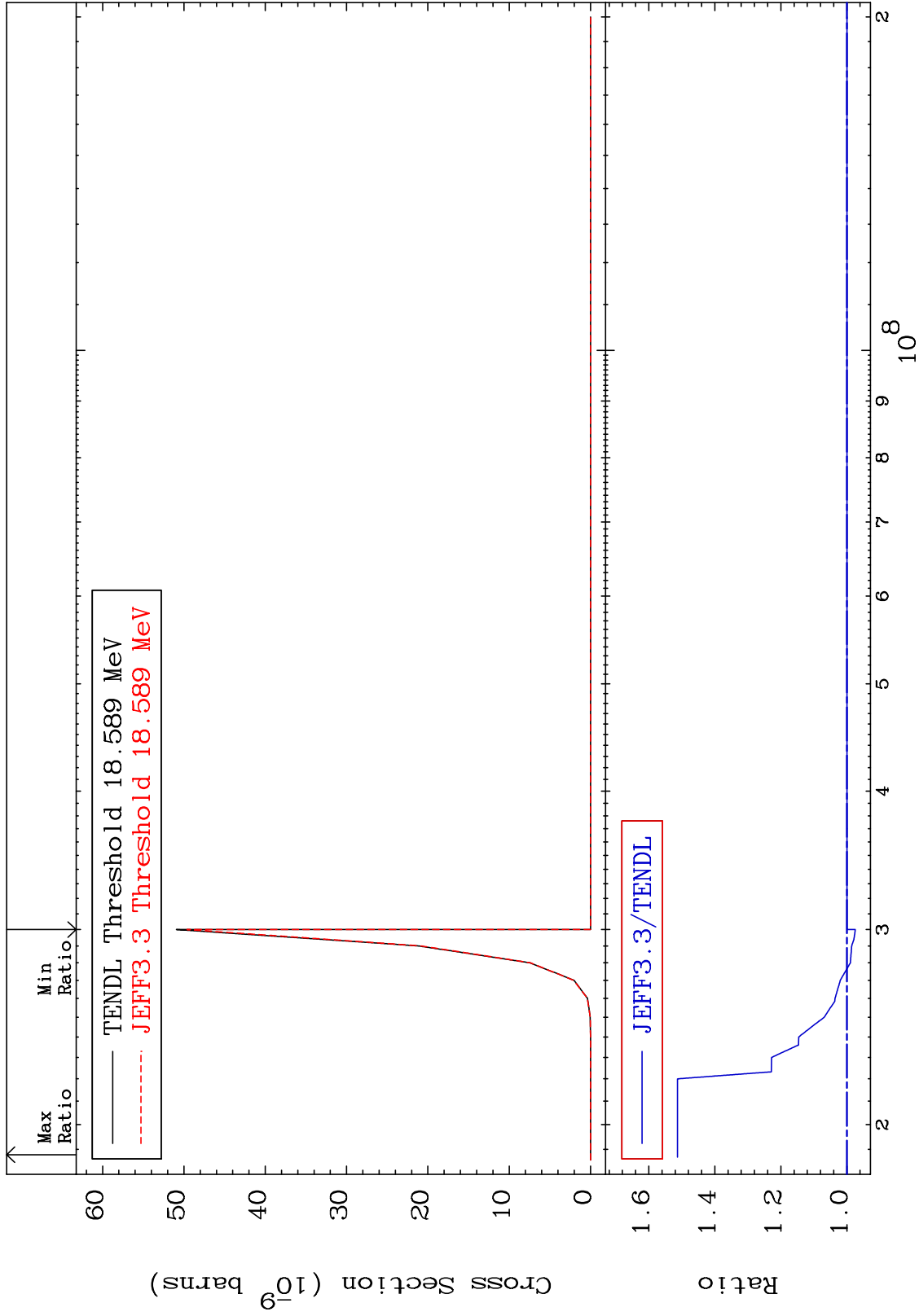
MAT 3731

(n,p) d

37-Rb-87

Cross Section

-2.539 To 51.29 %



57

Incident Energy (eV)

37-Rb-87

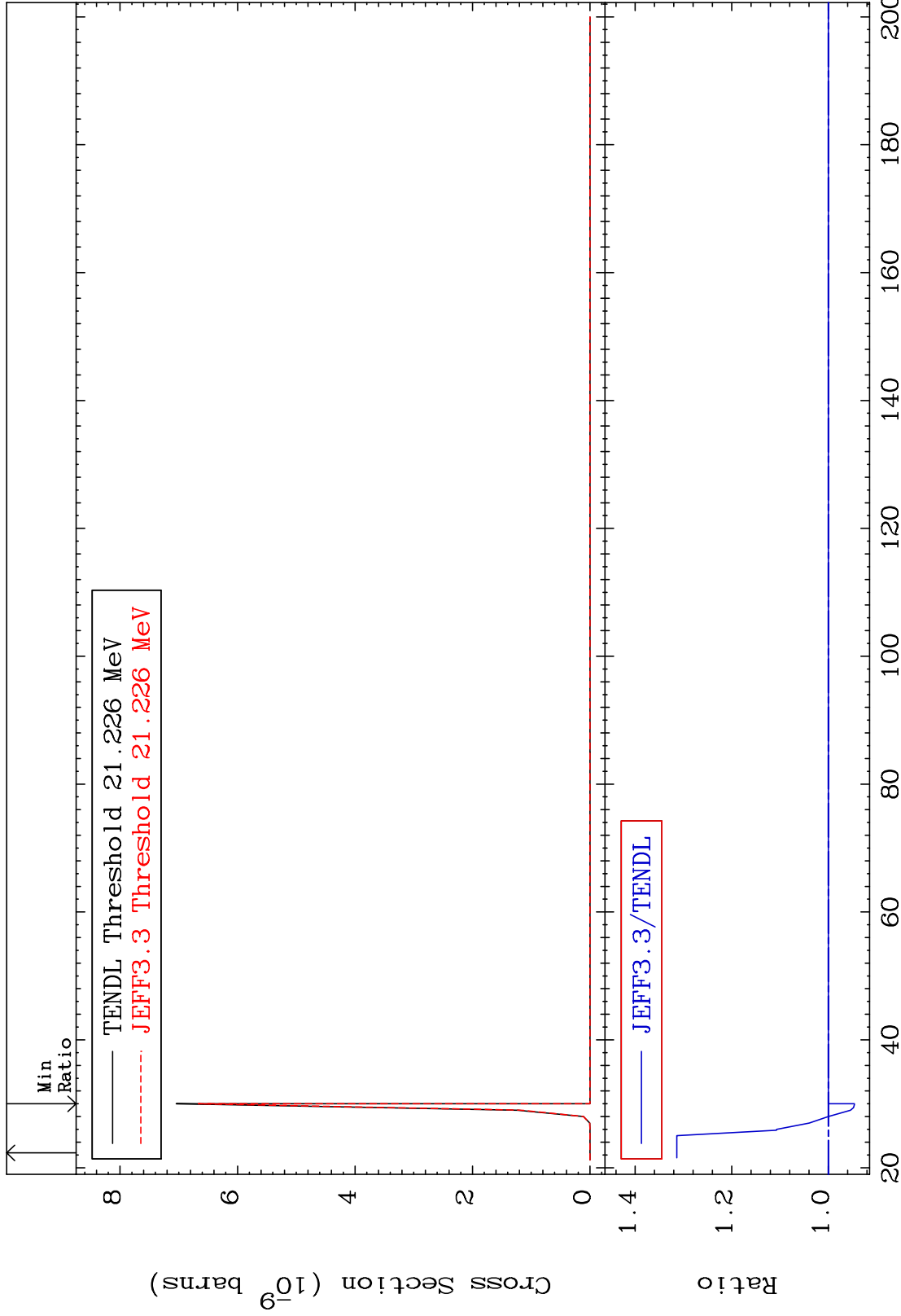
MAT 3731

(n,p) t

³⁷Rb-87

Cross Section

-5.400 To 31.38 %



58

Incident Energy (MeV)

³⁷Rb-87

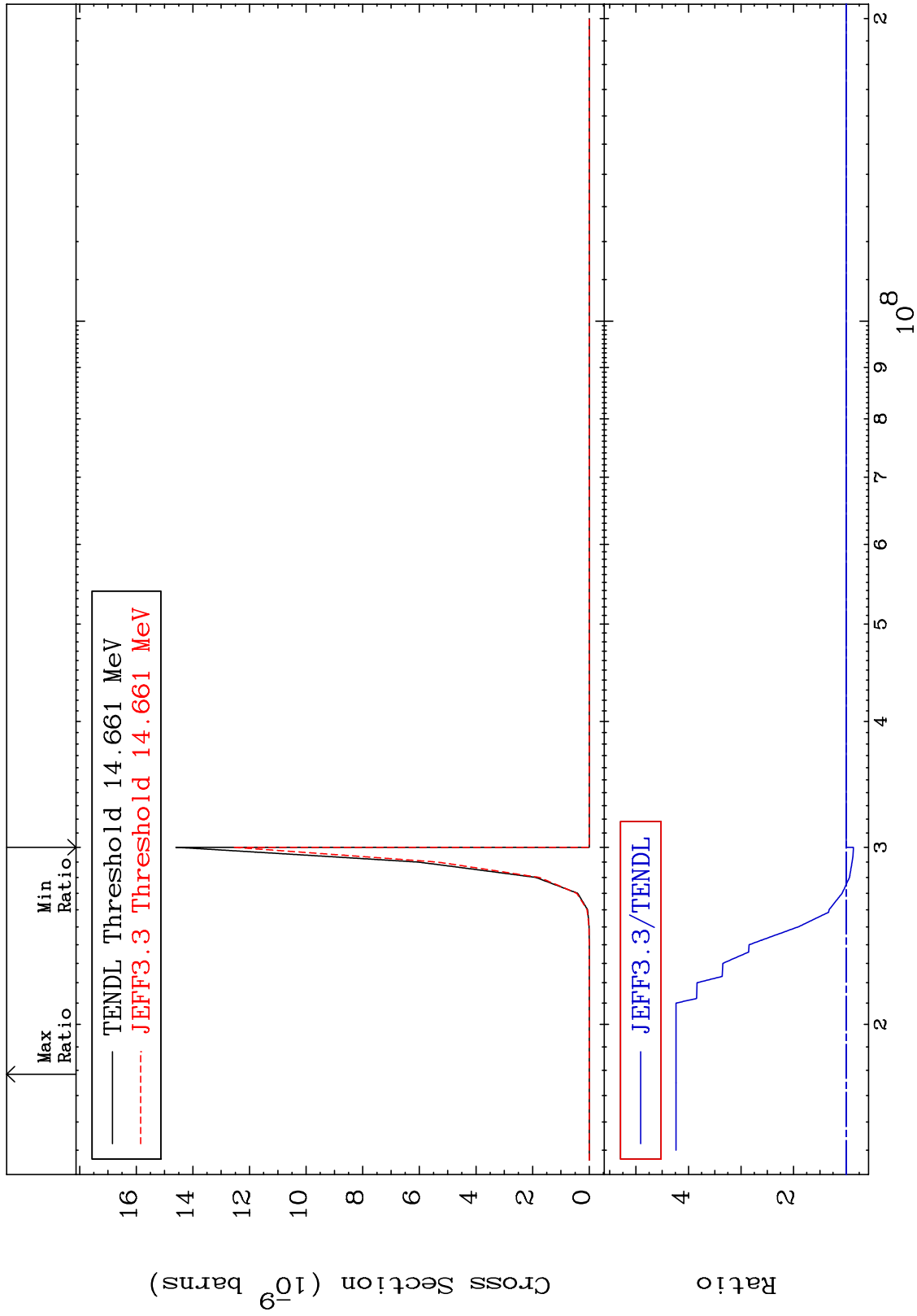
MAT 3731

(n,d) α

37-Rb-87

Cross Section

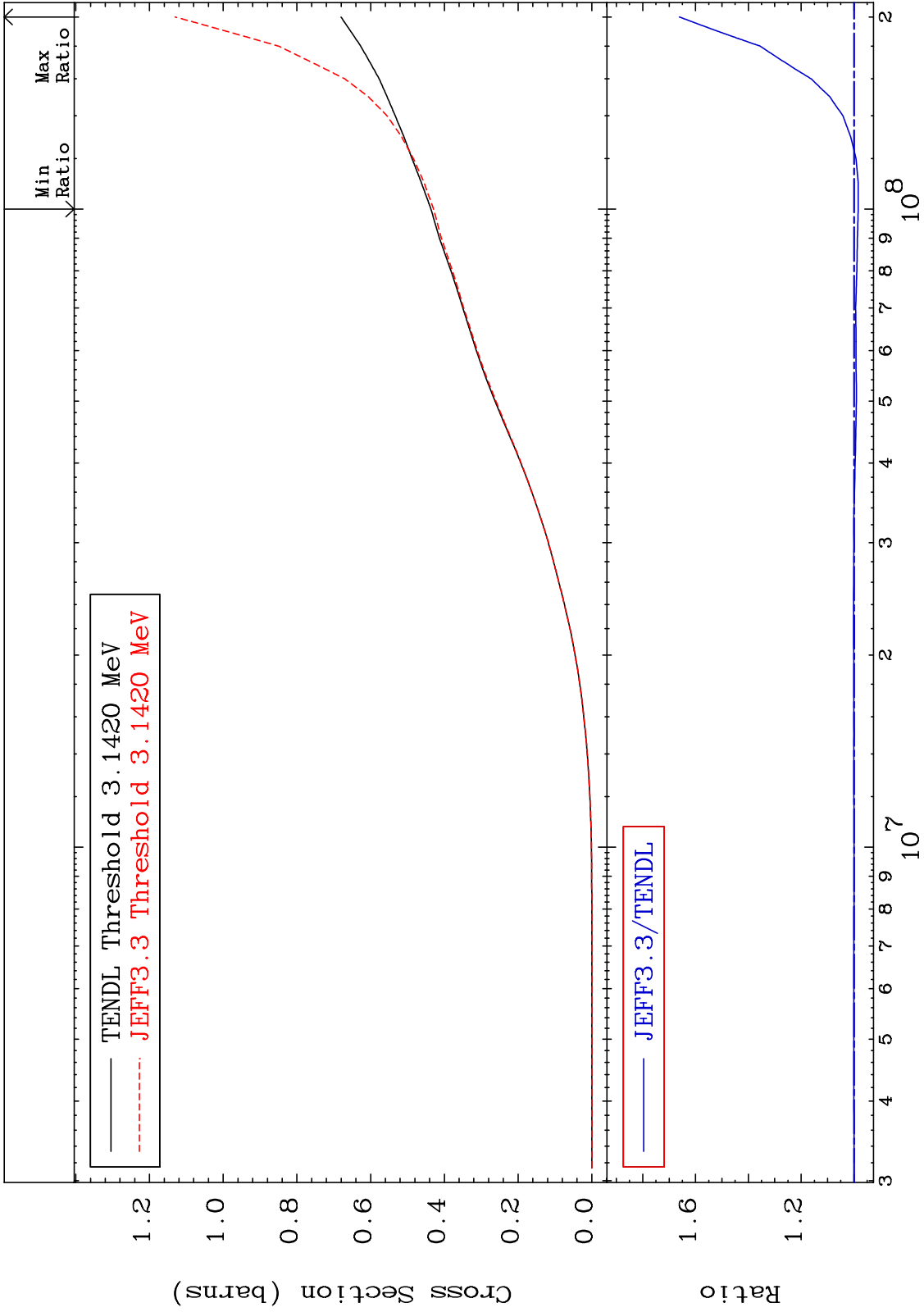
-13.84 To 323.6 %



MAT 3731

Hydrogen Production
Cross Section

37-Rb-87
-1.617 To 66.13 %



60

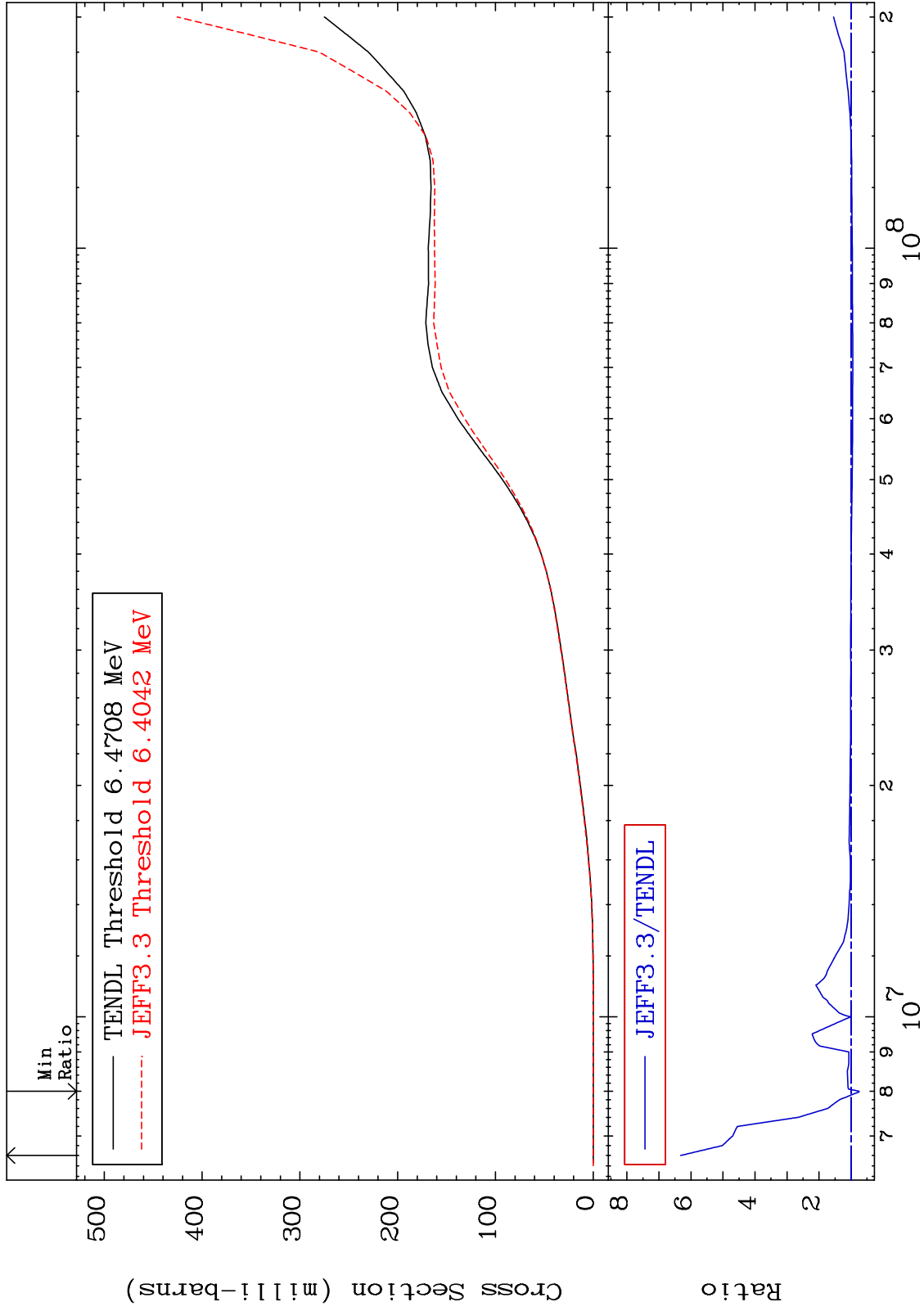
Incident Energy (eV)

37-Rb-87

MAT 3731

Deuterium Production
Cross Section

³⁷Rb-87
-25.36 To 532.2 %



61

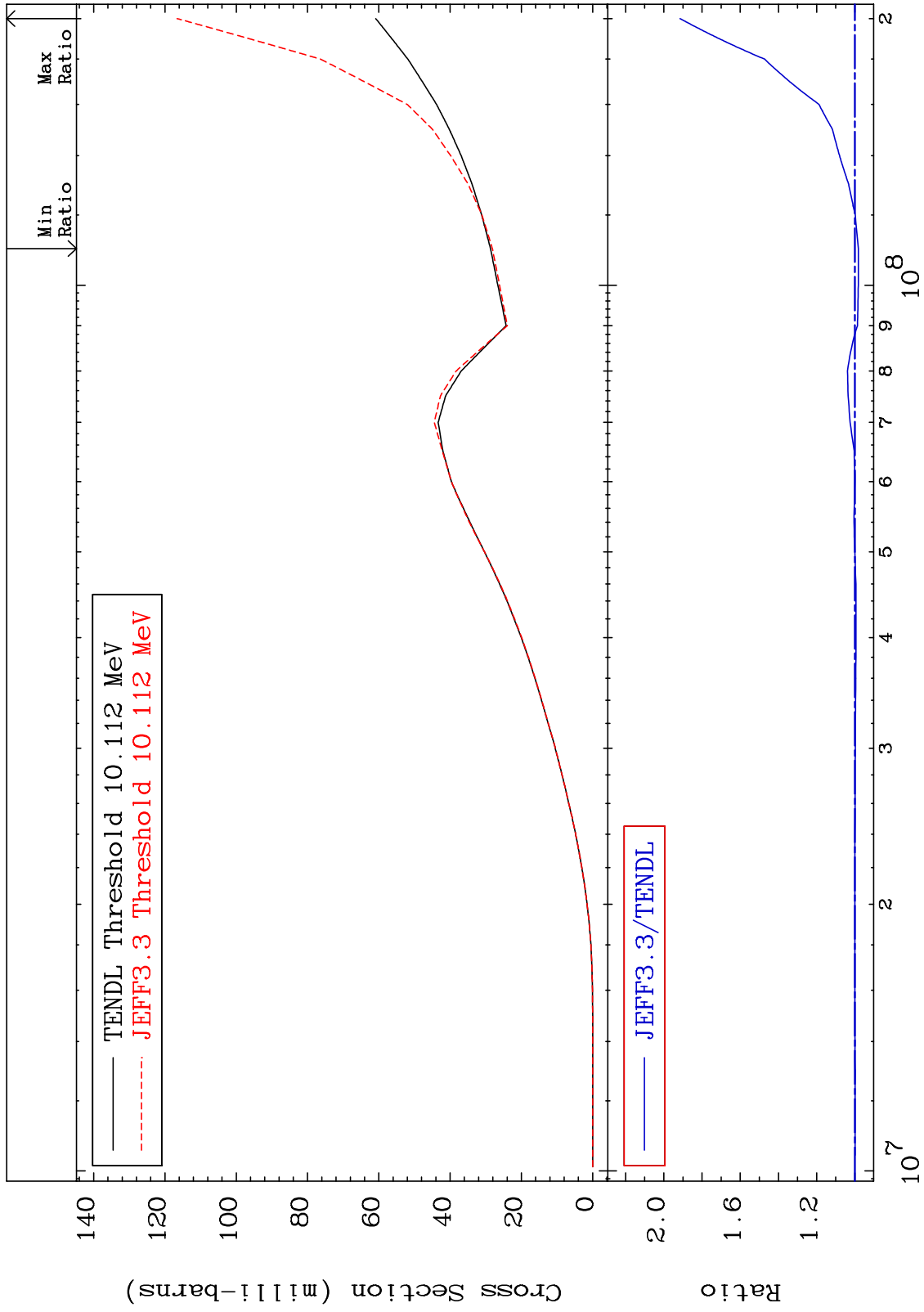
Incident Energy (eV)

³⁷Rb-87

MAT 3731

Tritium Production
Cross Section

$^{37}\text{Rb-87}$
-1.856 To 91.51 %



Incident Energy (eV)

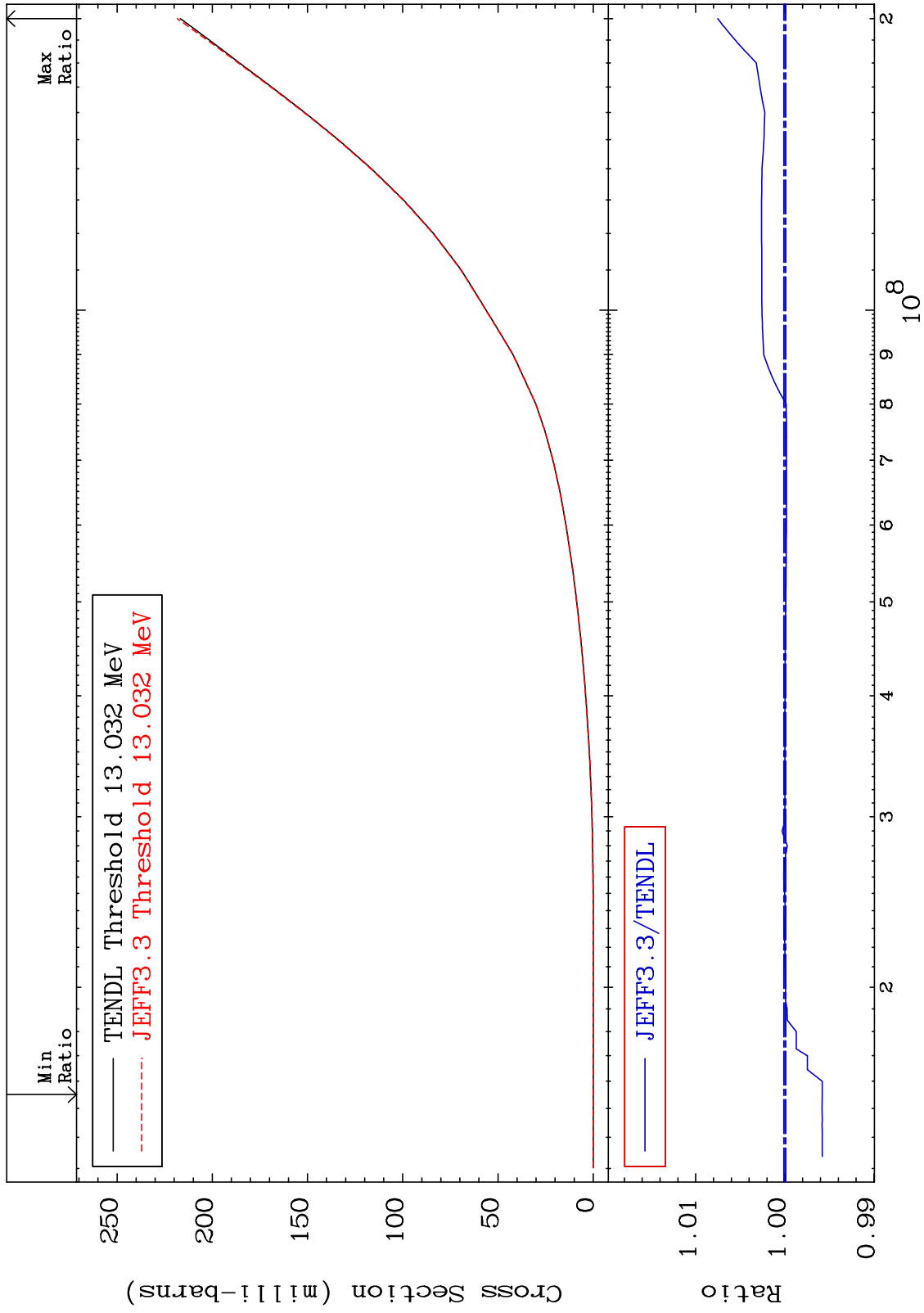
$^{37}\text{Rb-87}$

62

MAT 3731

He-3 Production
Cross Section

37-Rb-87
-0.419 To 0.754 %



63

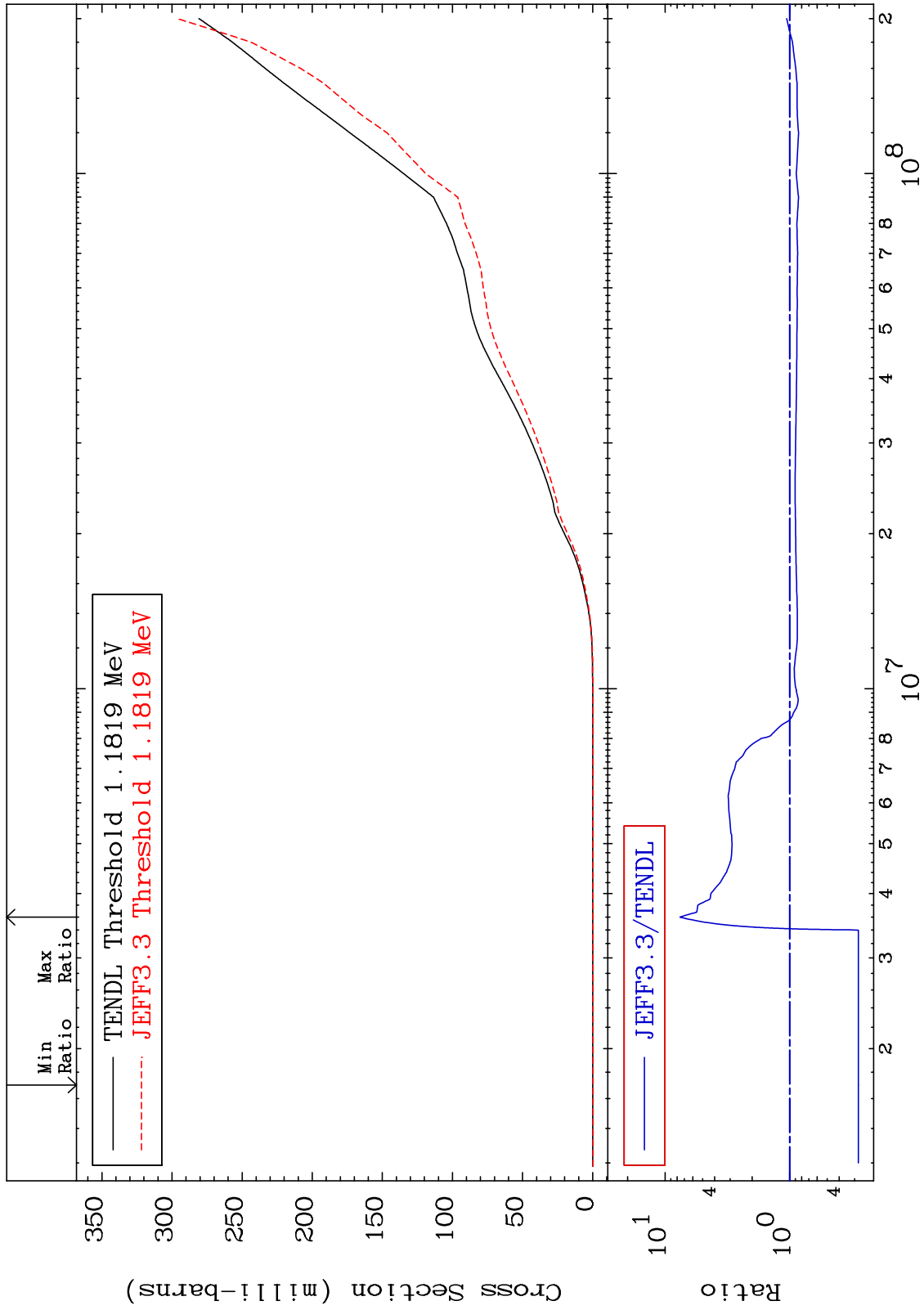
Incident Energy (eV)

37-Rb-87

MAT 3731

He-4 Production
Cross Section

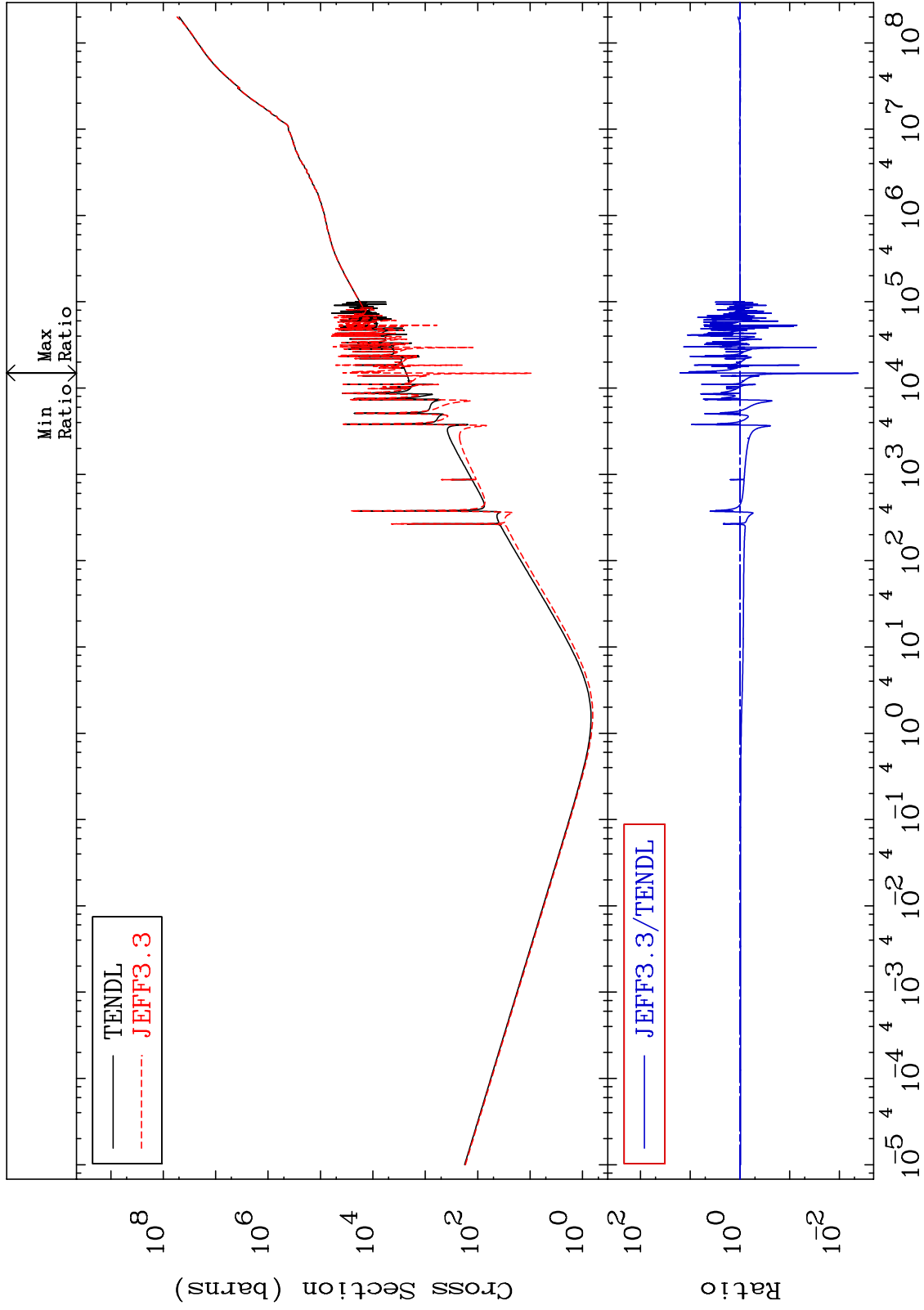
37-Rb-87
-72.00 To 659.0 %



MAT 3731

Kerma total (eV-barns)
Cross Section

37-Rb-87
-99.59 To 1506. %



65

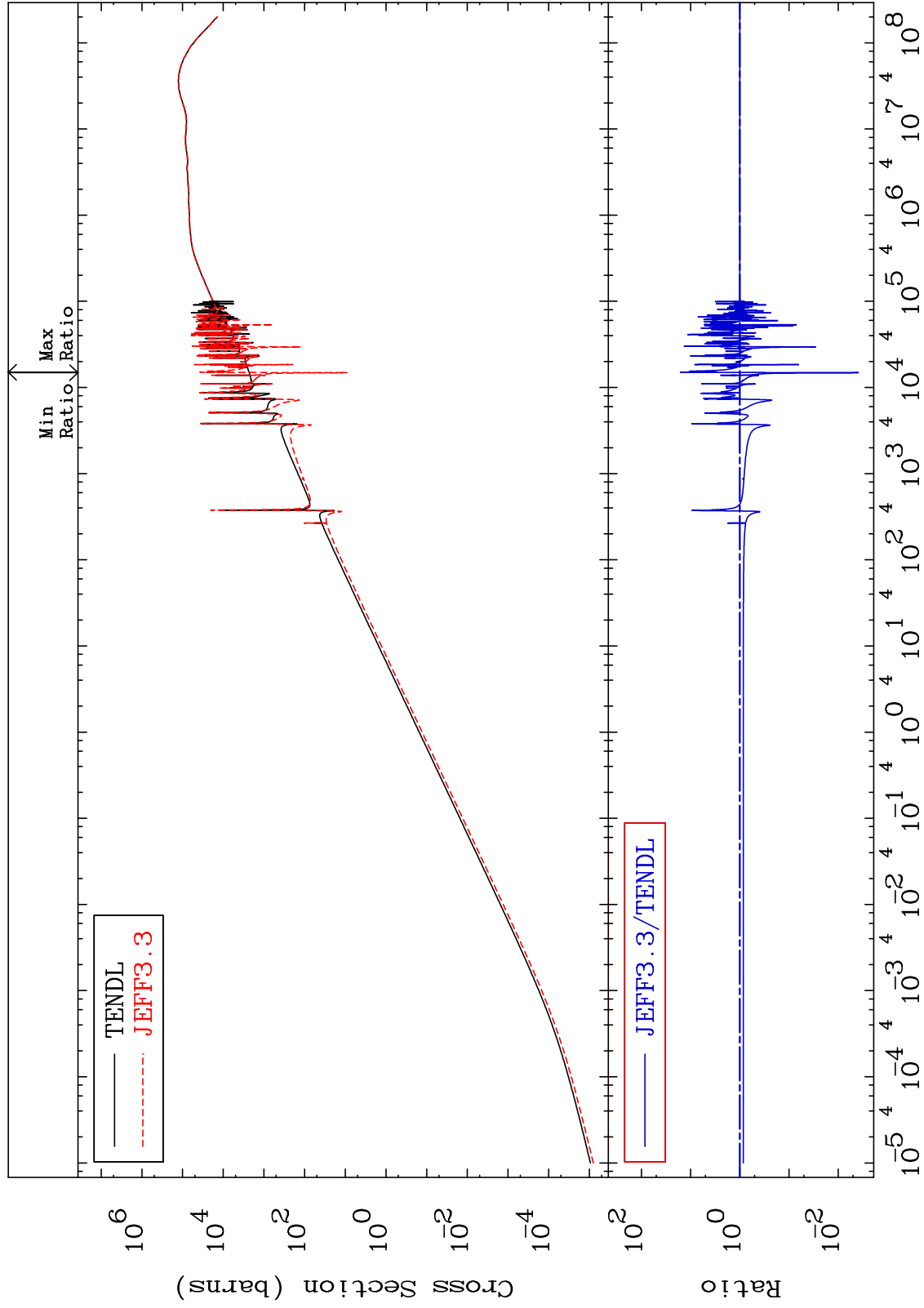
Incident Energy (eV)

37-Rb-87

MAT 3731

Kerma elastic
Cross Section

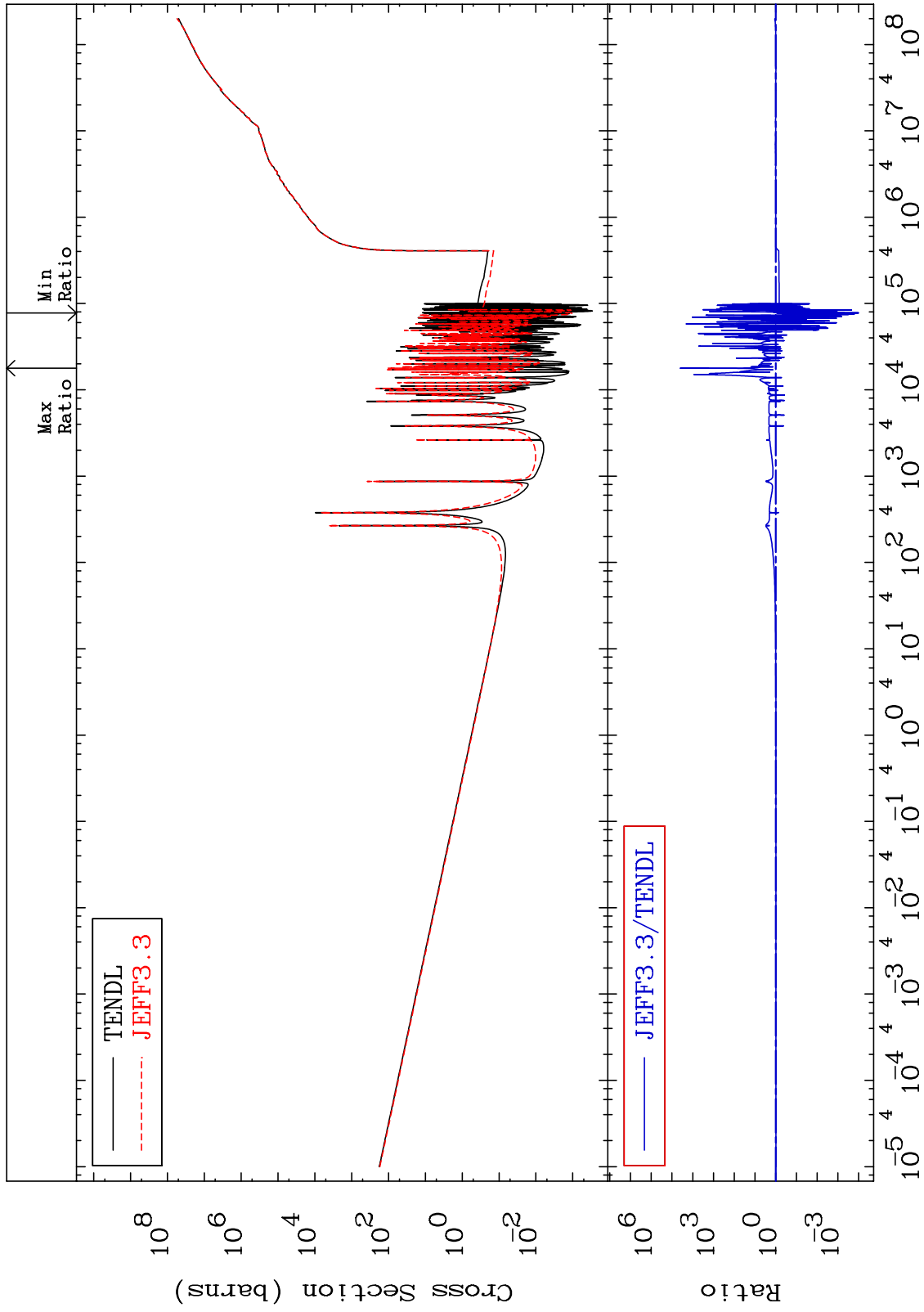
37-Rb-87
-99.61 To 1505. %



MAT 3731

Kerma non-elastic (all but mt2)
Cross Section

37-Rb-87
-99.99 To 9999. %



67

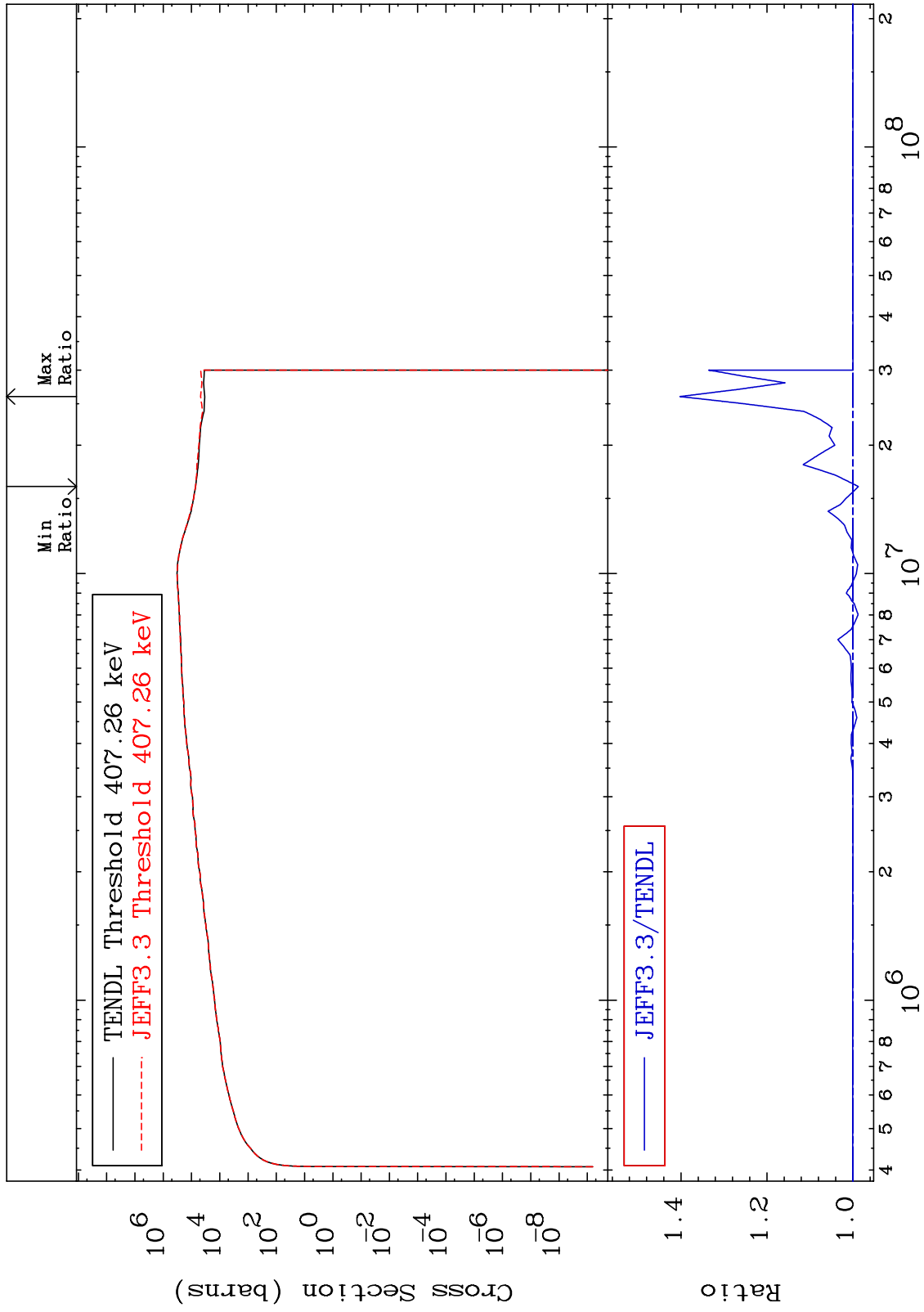
Incident Energy (eV)

37-Rb-87

MAT 3731

Kerma inelastic (mt51-91)
Cross Section

37-Rb-87
-1.294 To 40.23 %



68

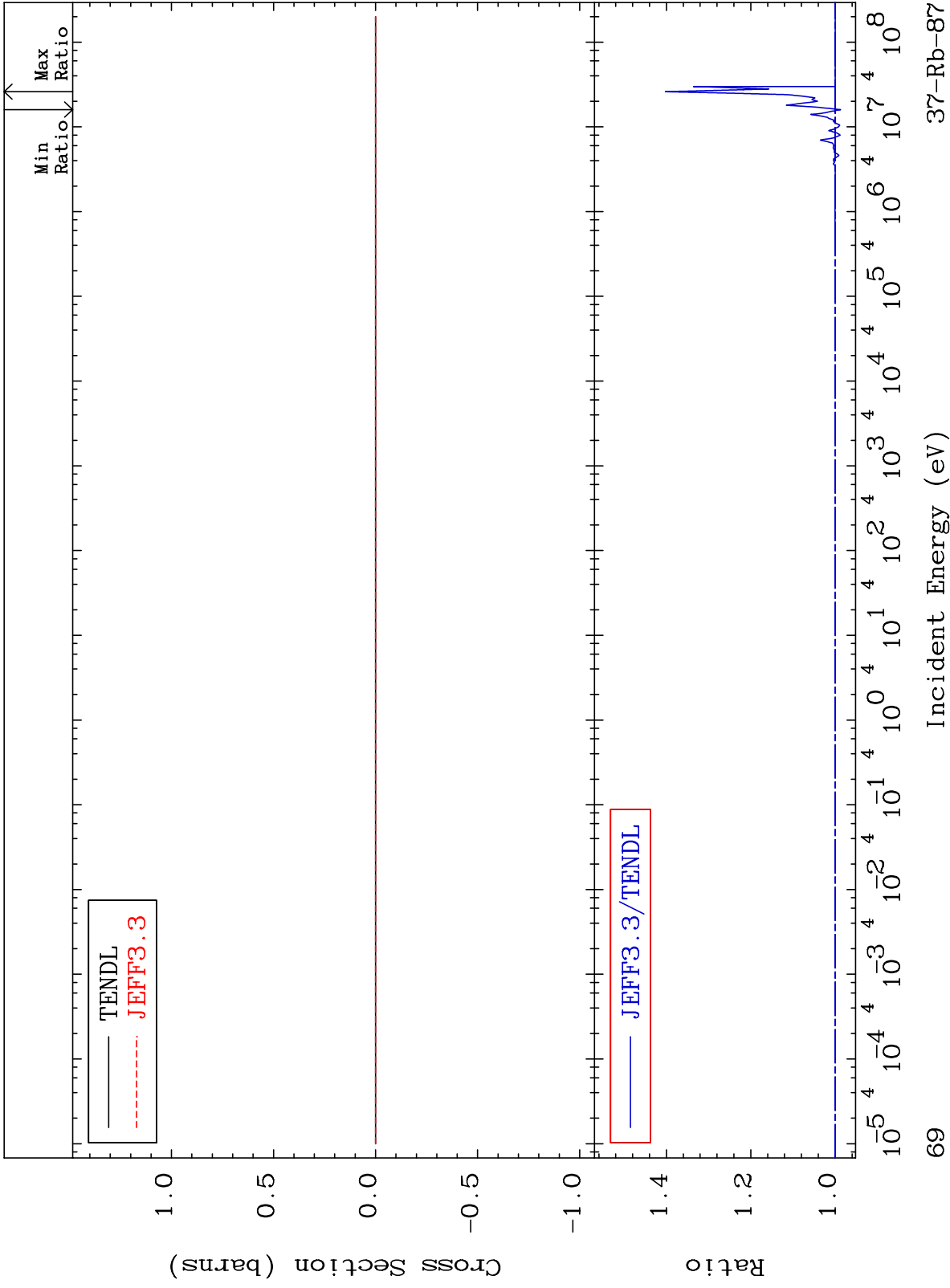
Incident Energy (eV)

37-Rb-87

MAT 3731

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

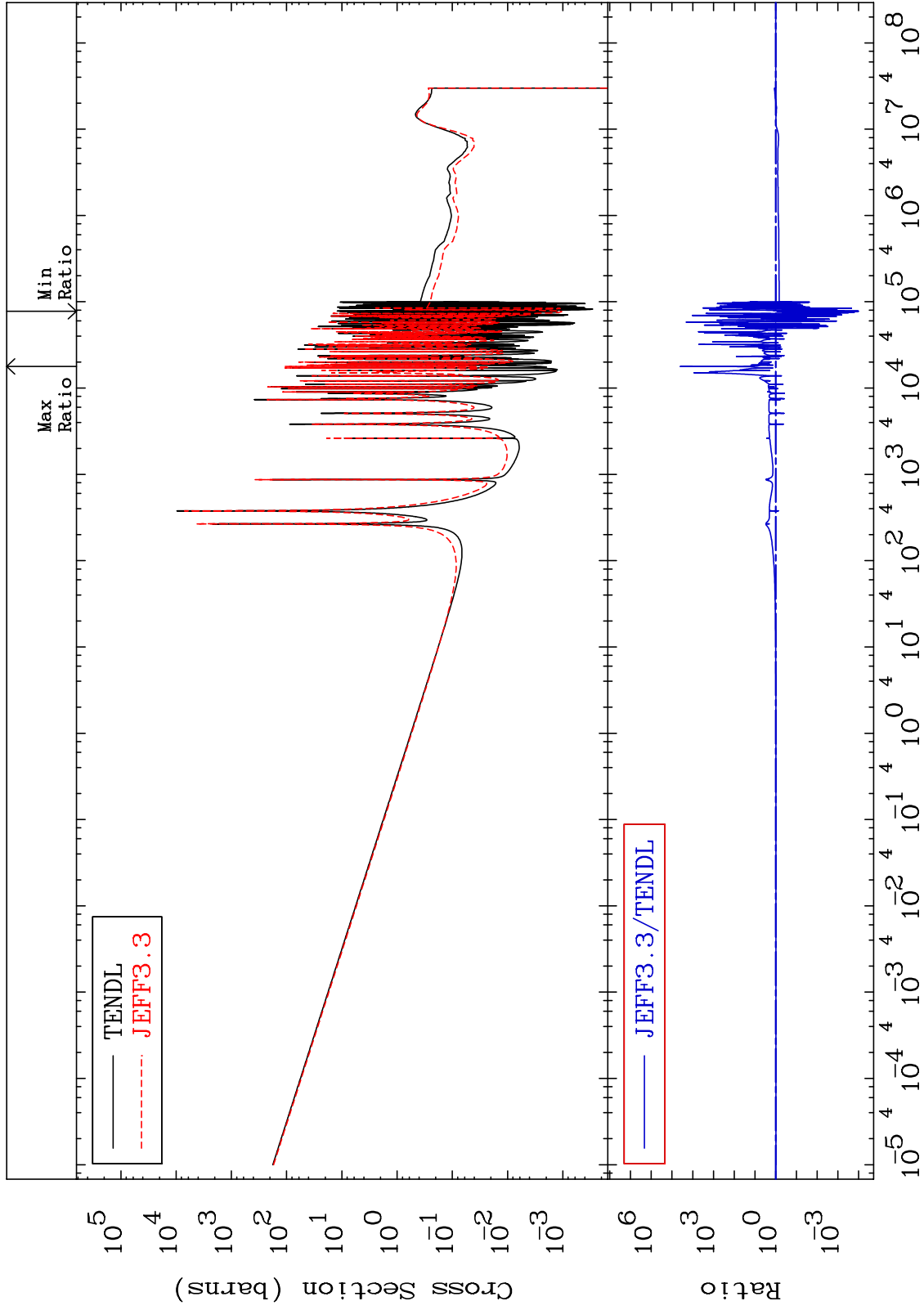
37-Rb-87
-1.294 To 40.23 %



MAT 3731

Kerma capture (mt102)
Cross Section

37-Rb-87
-99.99 To 9999. %



70

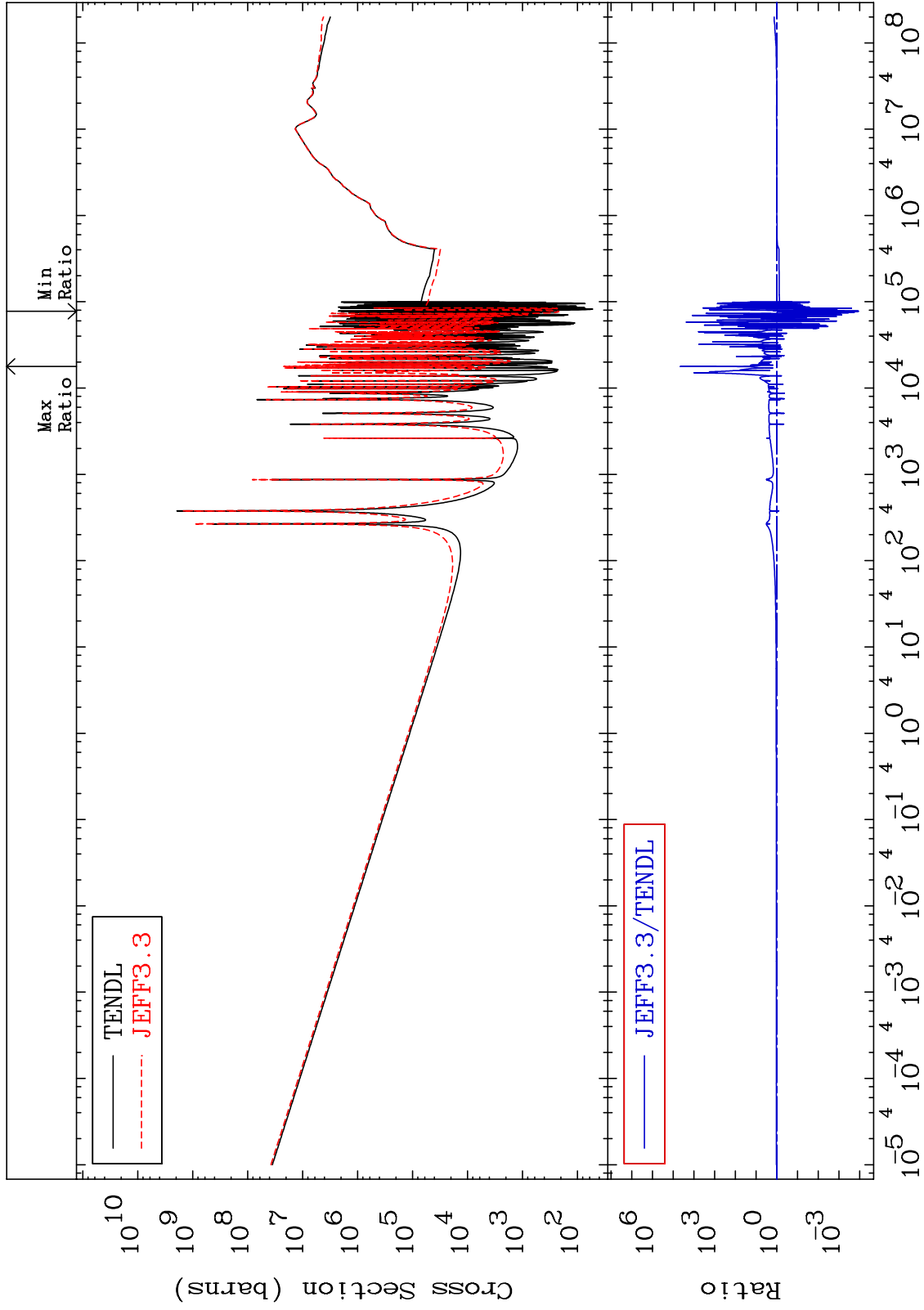
Incident Energy (eV)

37-Rb-87

MAT 3731

Total photon (eV-barns)
Cross Section

37-Rb-87
-99.99 To 9999. %



71

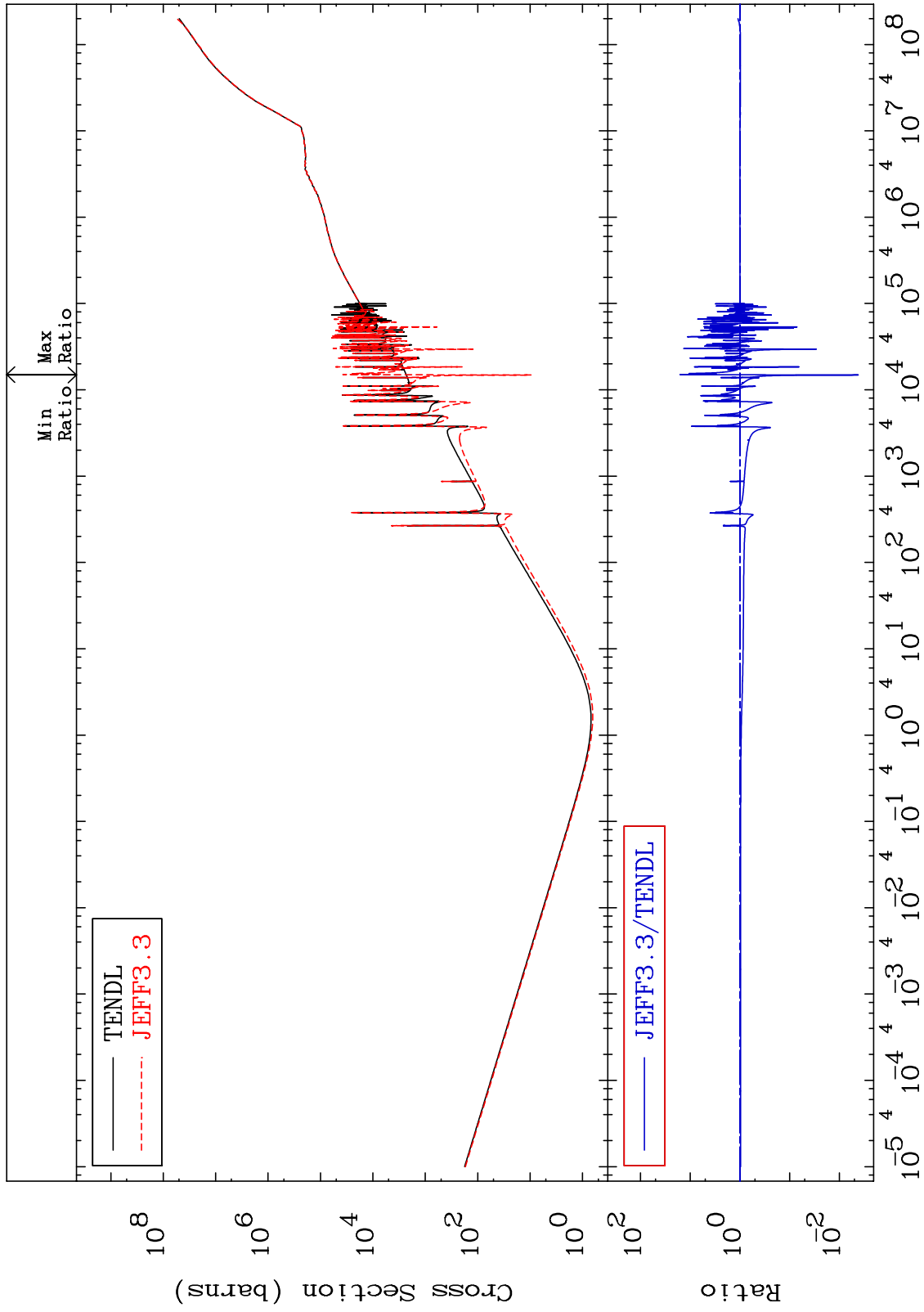
Incident Energy (eV)

37-Rb-87

MAT 3731

Total kinematic kerma (high limit)
Cross Section

37-Rb-87
-99.59 To 1506. %



72

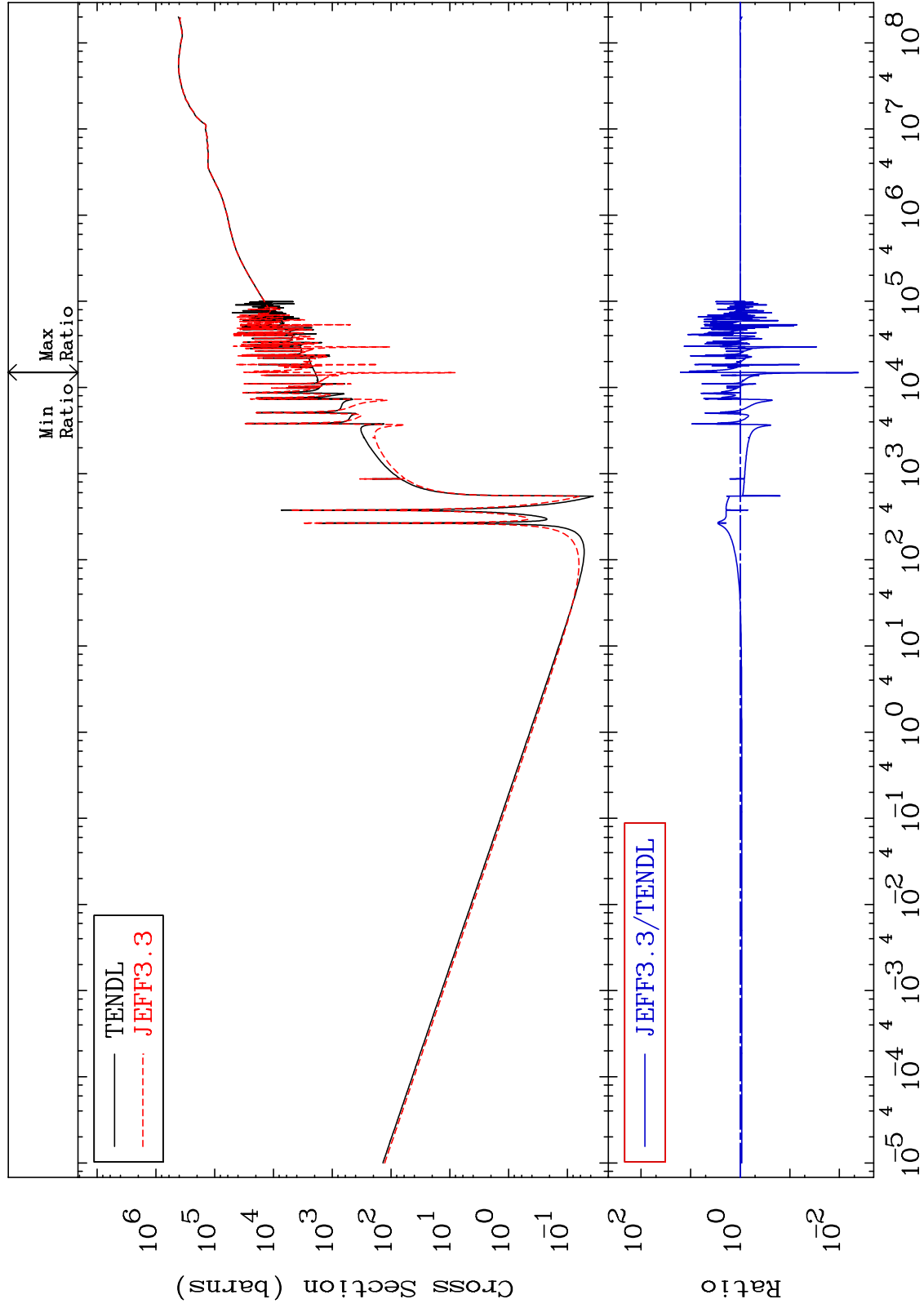
Incident Energy (eV)

37-Rb-87

MAT 3731

Dpa total (eV-barns)
Cross Section

37-Rb-87
-99.59 To 1506. %



73

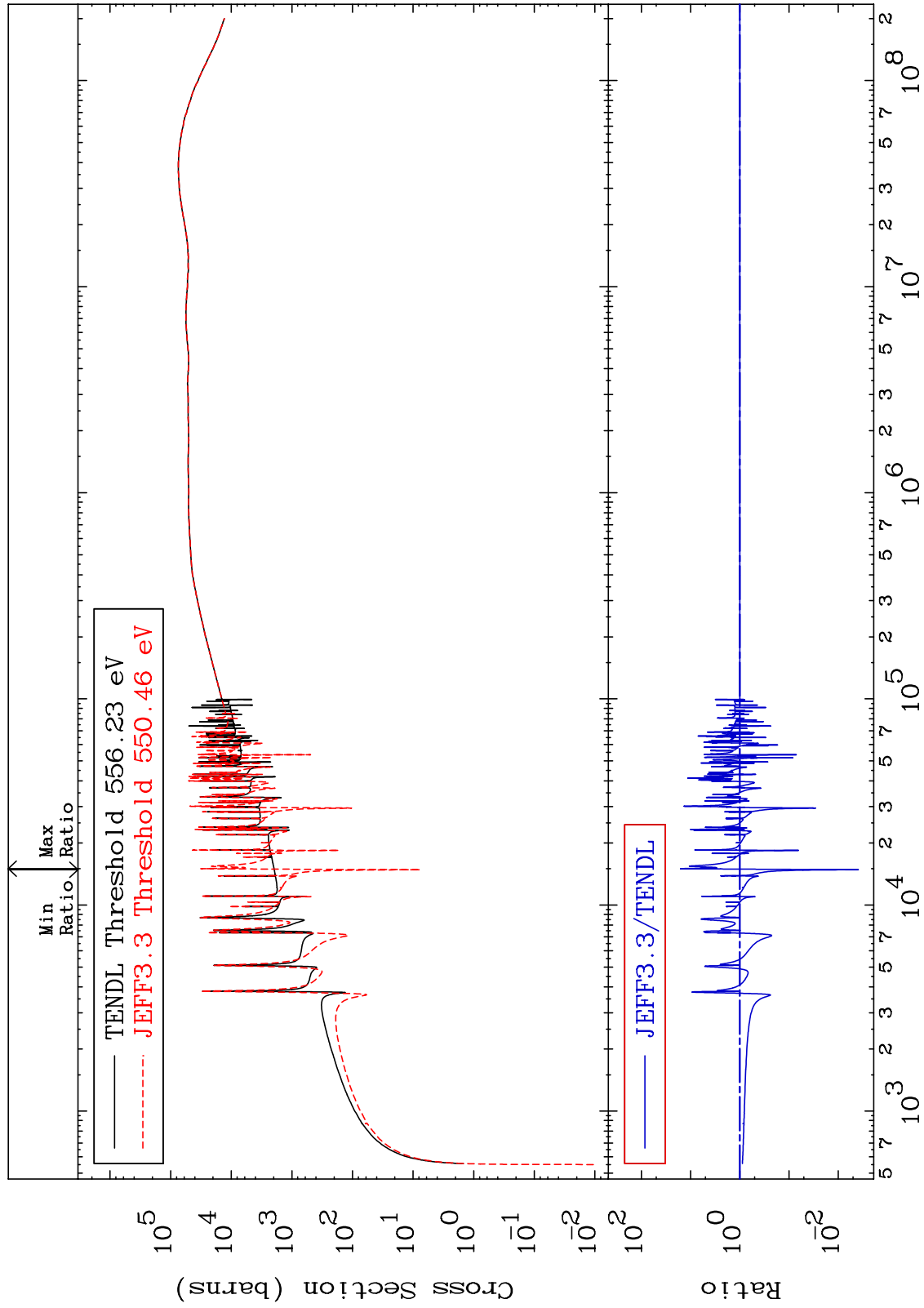
Incident Energy (eV)

37-Rb-87

MAT 3731

Dpa elastic (mt2)
Cross Section

37-Rb-87
-99.61 To 1505. %



74

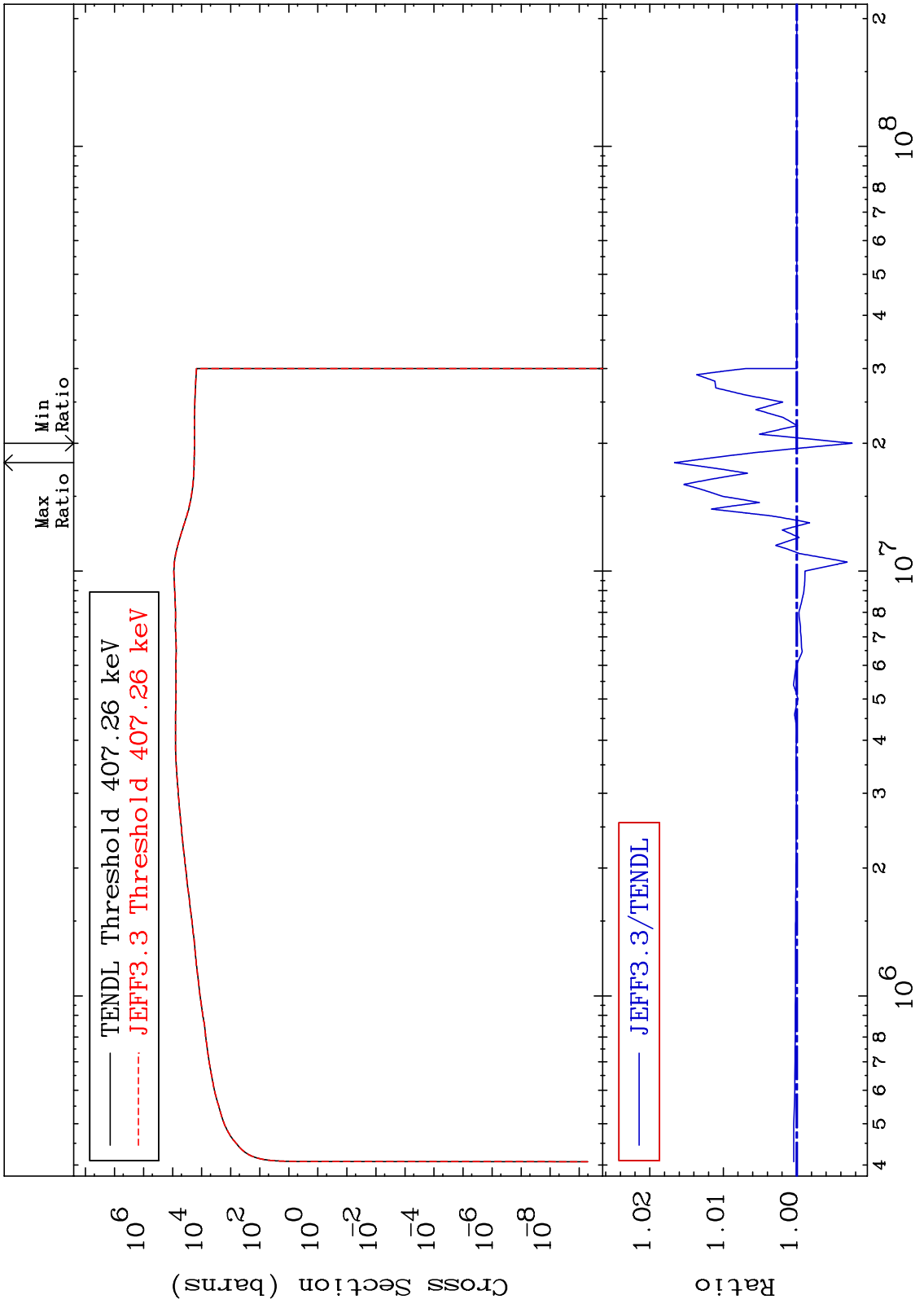
Incident Energy (eV)

37-Rb-87

MAT 3731

Dpa inelastic (mt51-91)
Cross Section

37-Rb-87
-0.754 To 1.663 %



75

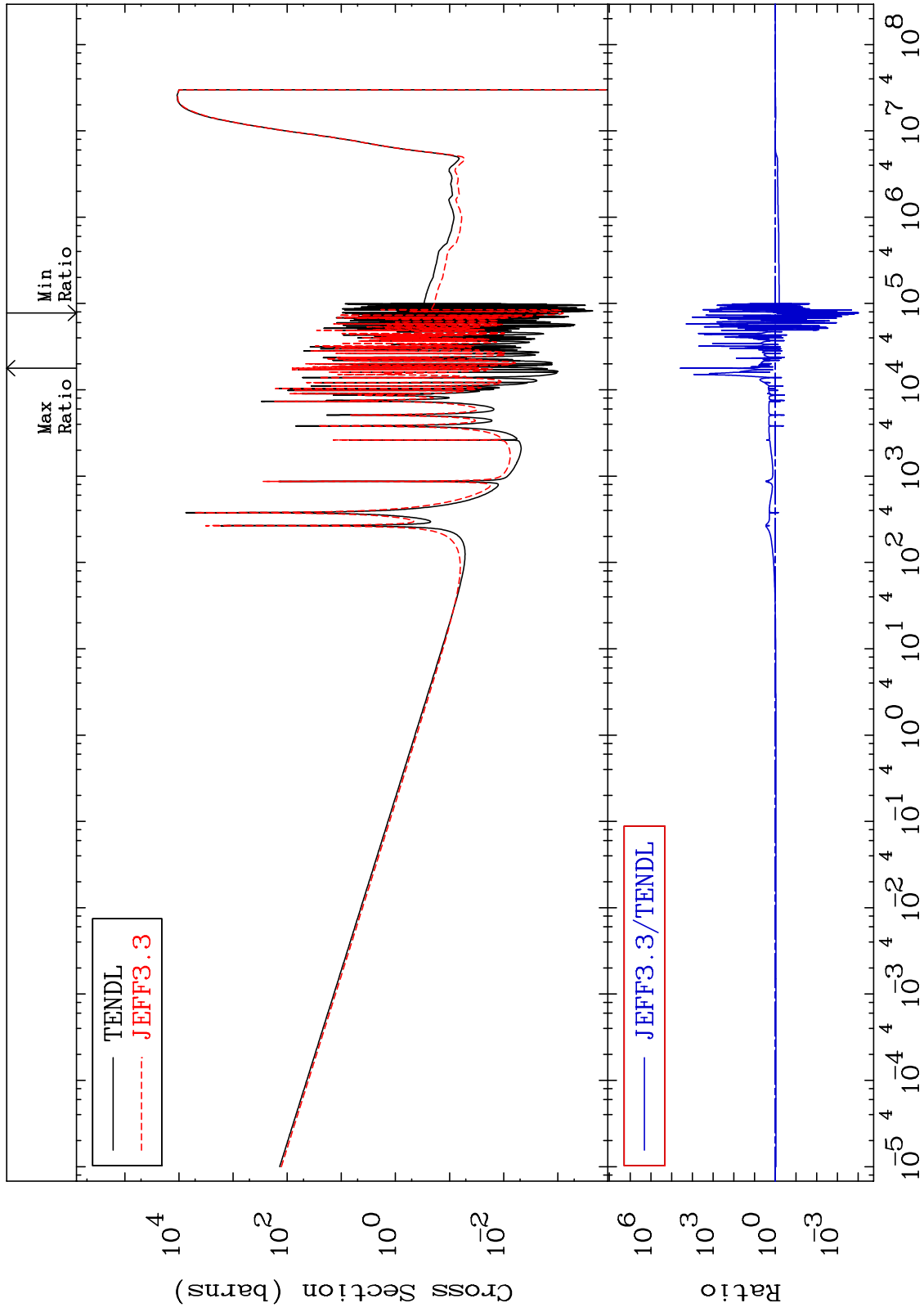
Incident Energy (eV)

37-Rb-87

MAT 3731

Dpa disappearance (mt102 -120)
Cross Section

37-Rb-87
-99.99 To 9999. %



76

Incident Energy (eV)

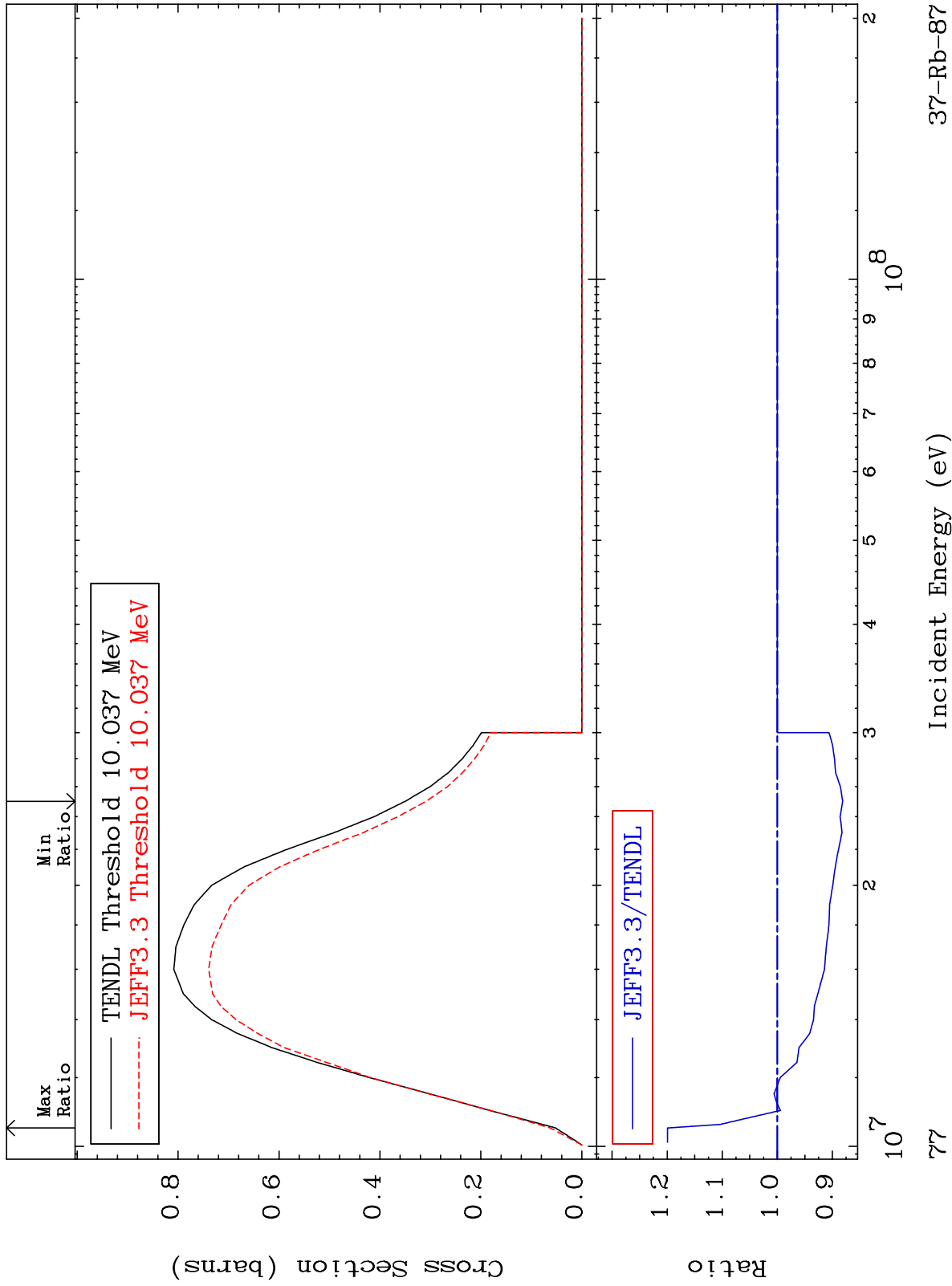
37-Rb-87

MAT 3731

(n,2n) : 37-Rb-86g

37-Rb-87

Radionuclide Production Cross Section -11.87 To 19.93 %

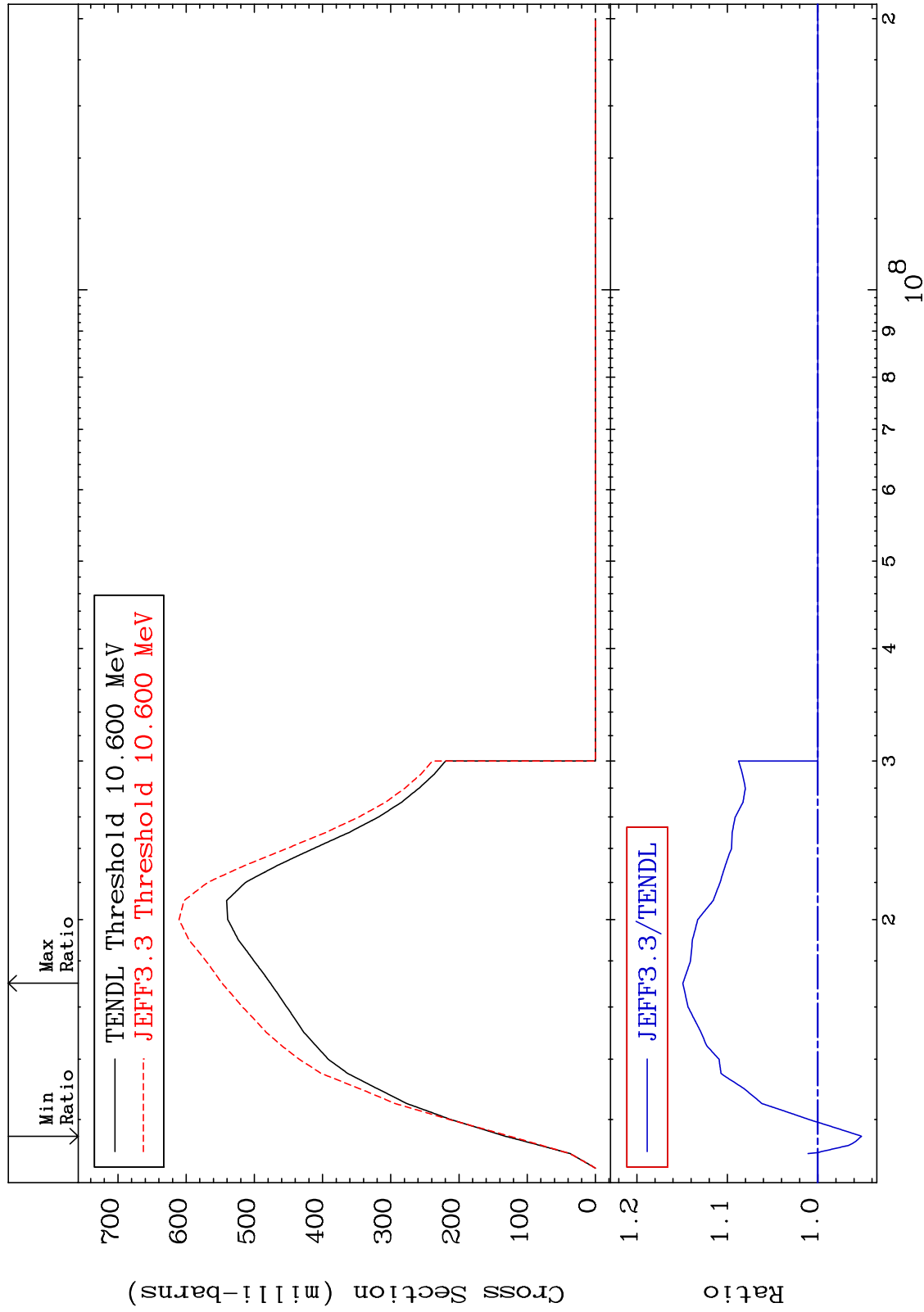


MAT 3731

(n,2n):37-Rb-86m2

37-Rb-87

Radionuclide Production Cross Section -4.837 To 14.91 %



78

Incident Energy (eV)

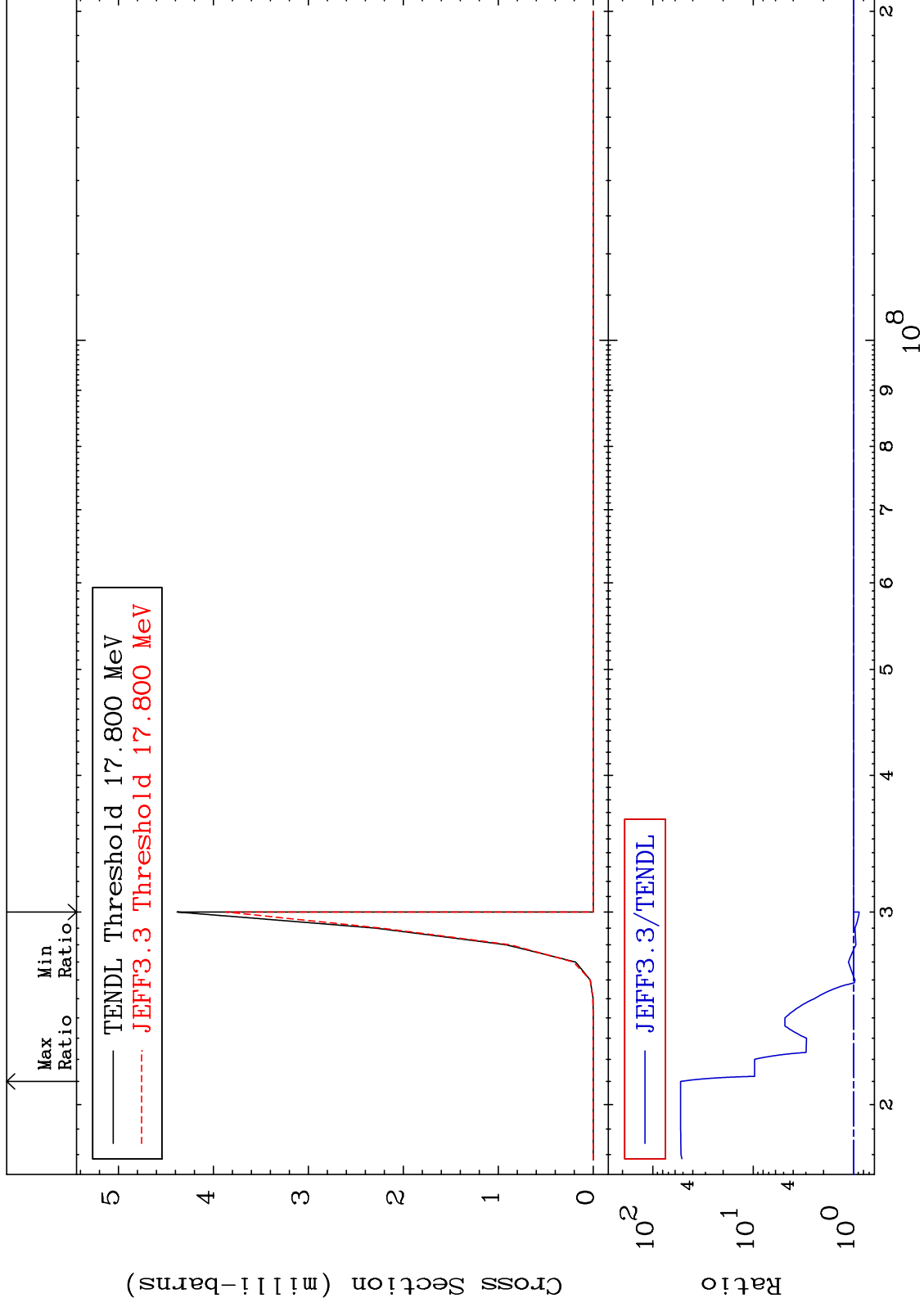
37-Rb-87

MAT 3731

(n,2n) α : 35-Br-82g

37-Rb-87

Radionuclide Production Cross Section -11.76 To 5187. %

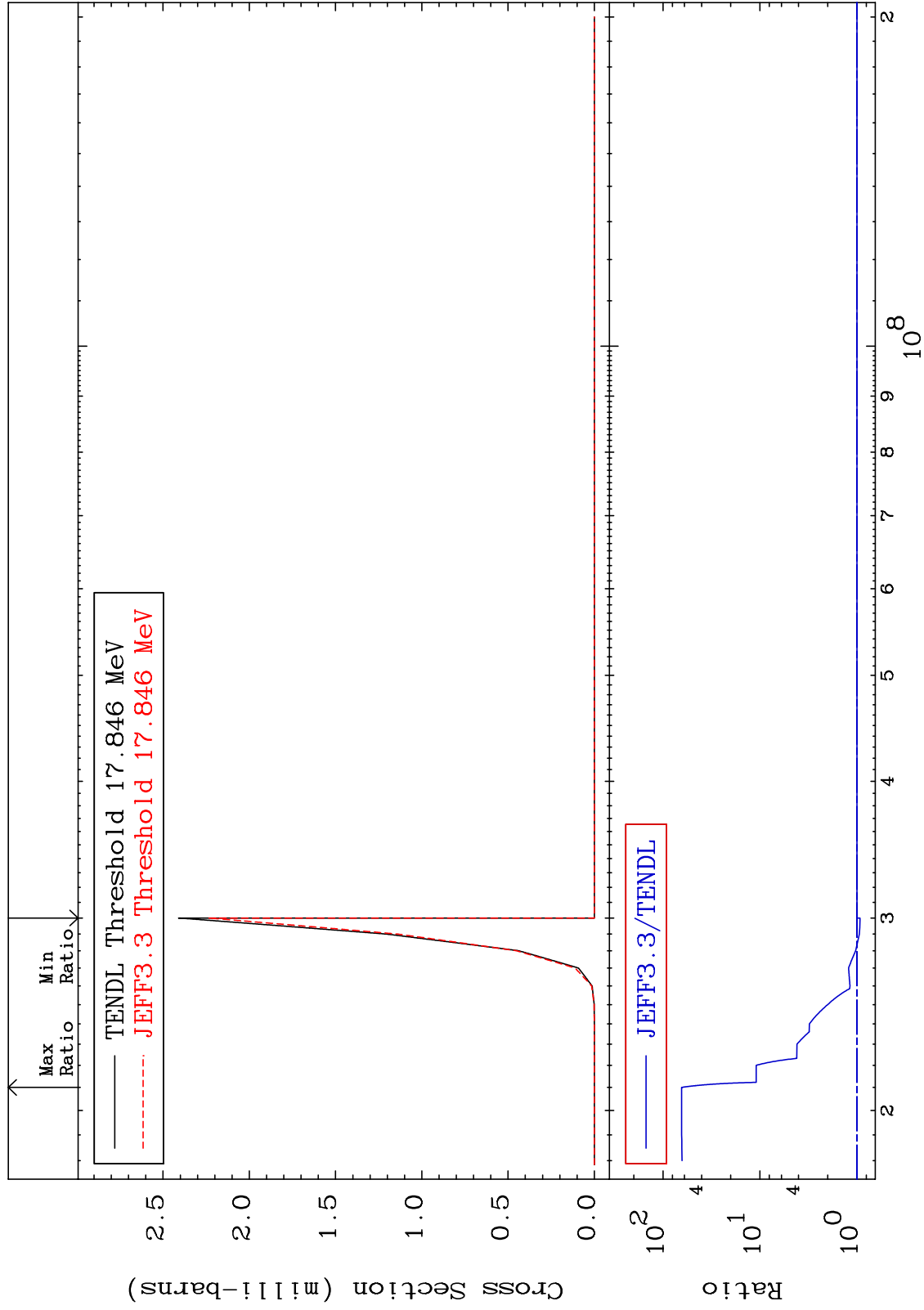


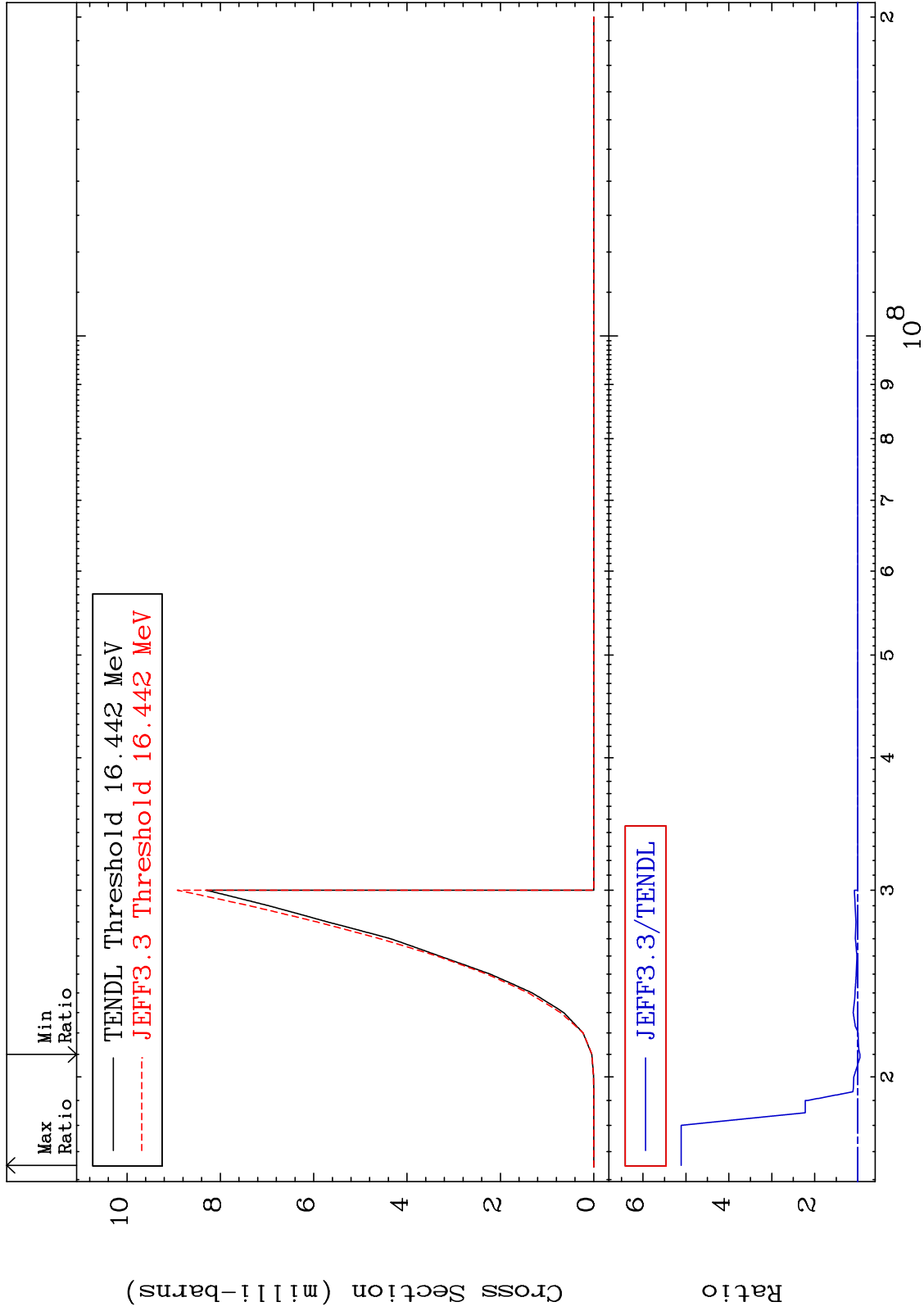
79

Incident Energy (eV)

37-Rb-87

Radionuclide Production Cross Section -7.131 To 6320. %



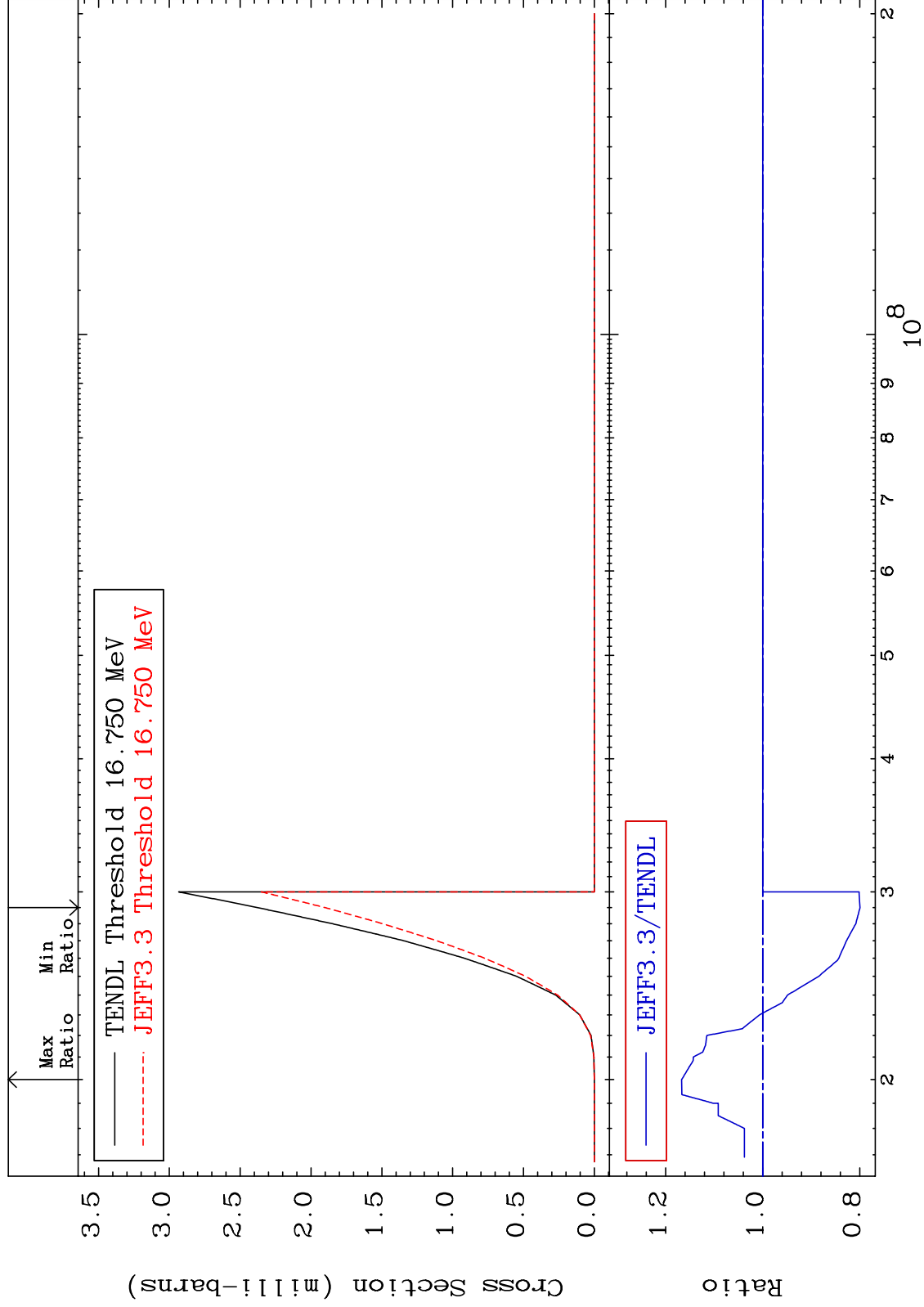


MAT 3731

(n, n') d:36-Kr-85m1

37-Rb-87

Radionuclide Production Cross Section -20.07 To 16.72 %

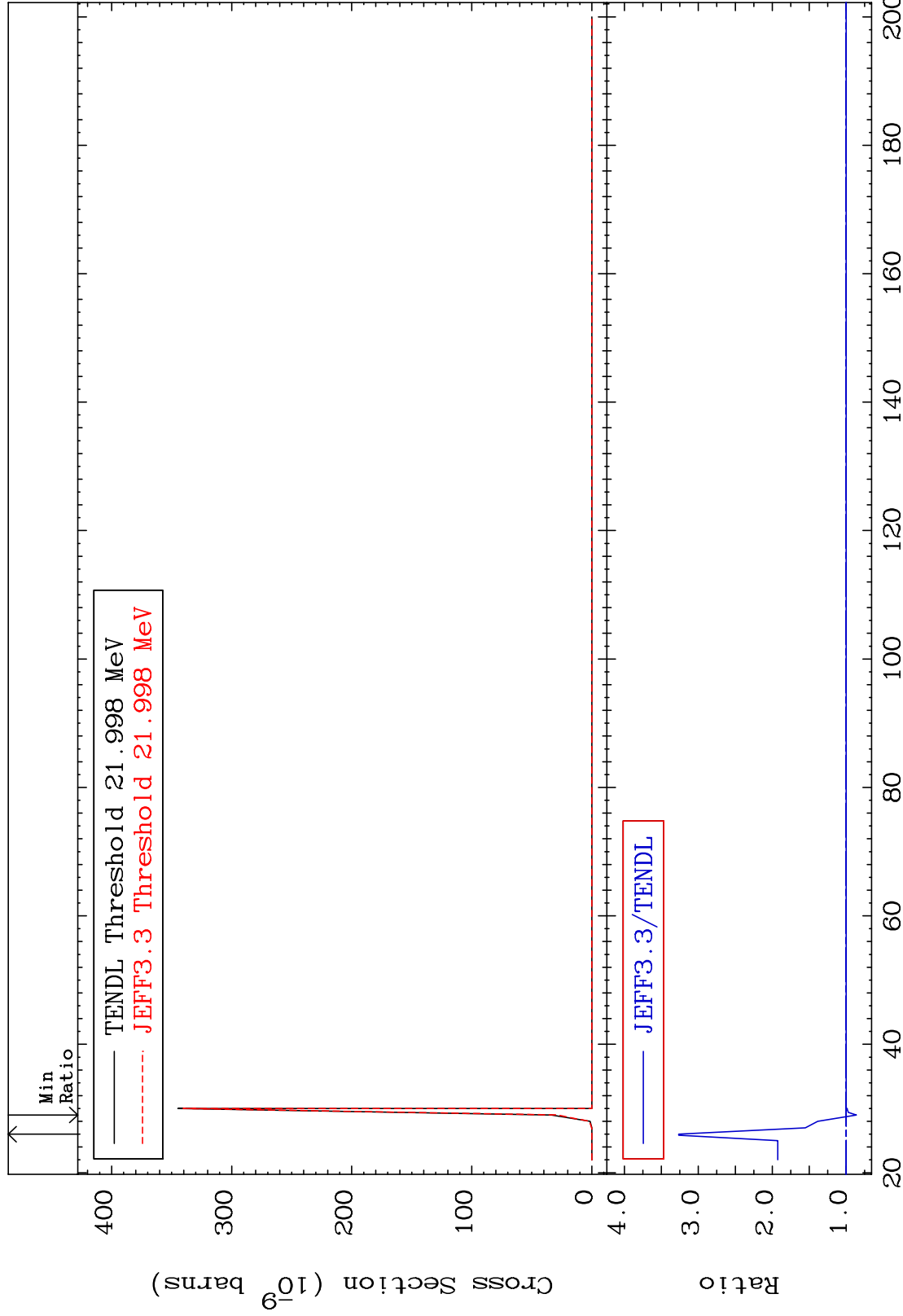


MAT 3731

37-Rb-87

(n, n') He-3:35-Br-84g

Radionuclide Production Cross Section -13.81 To 226.5 %



83

Incident Energy (MeV)

37-Rb-87

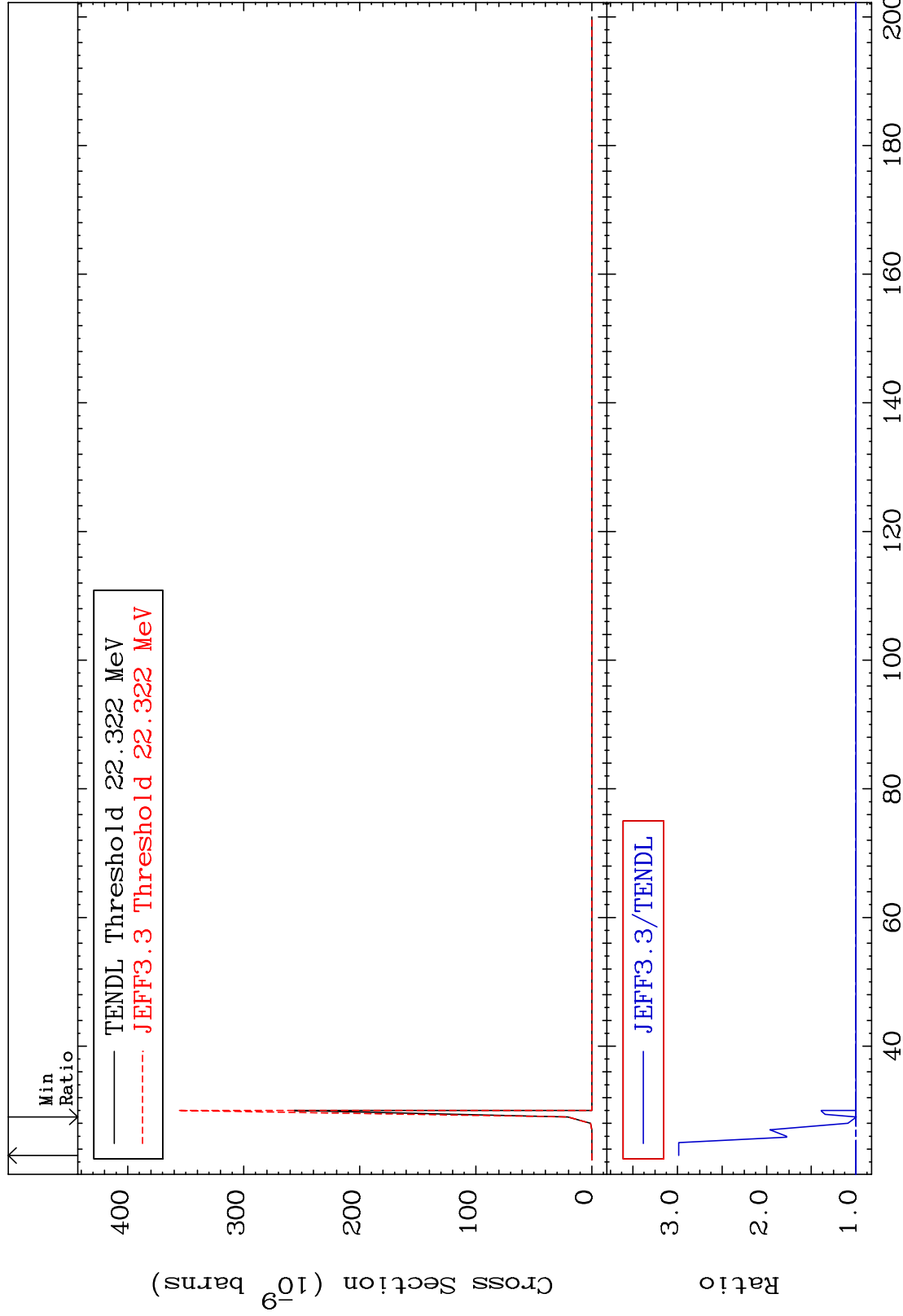
MAT 3731

(n, n') He-3:35-Br-84m1

37-Rb-87

Radionuclide Production Cross Section

-0.586 To 198.5 %

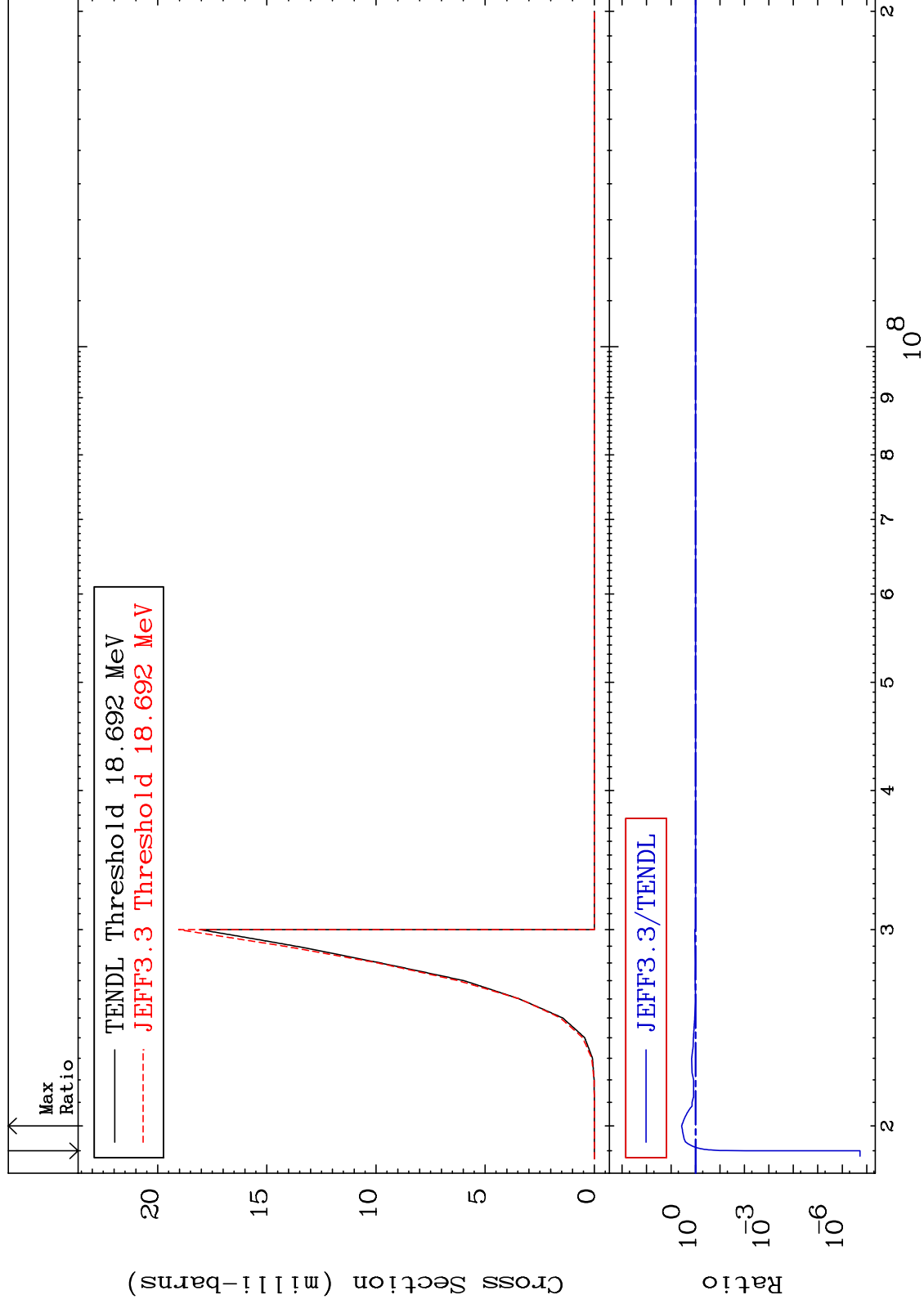


84

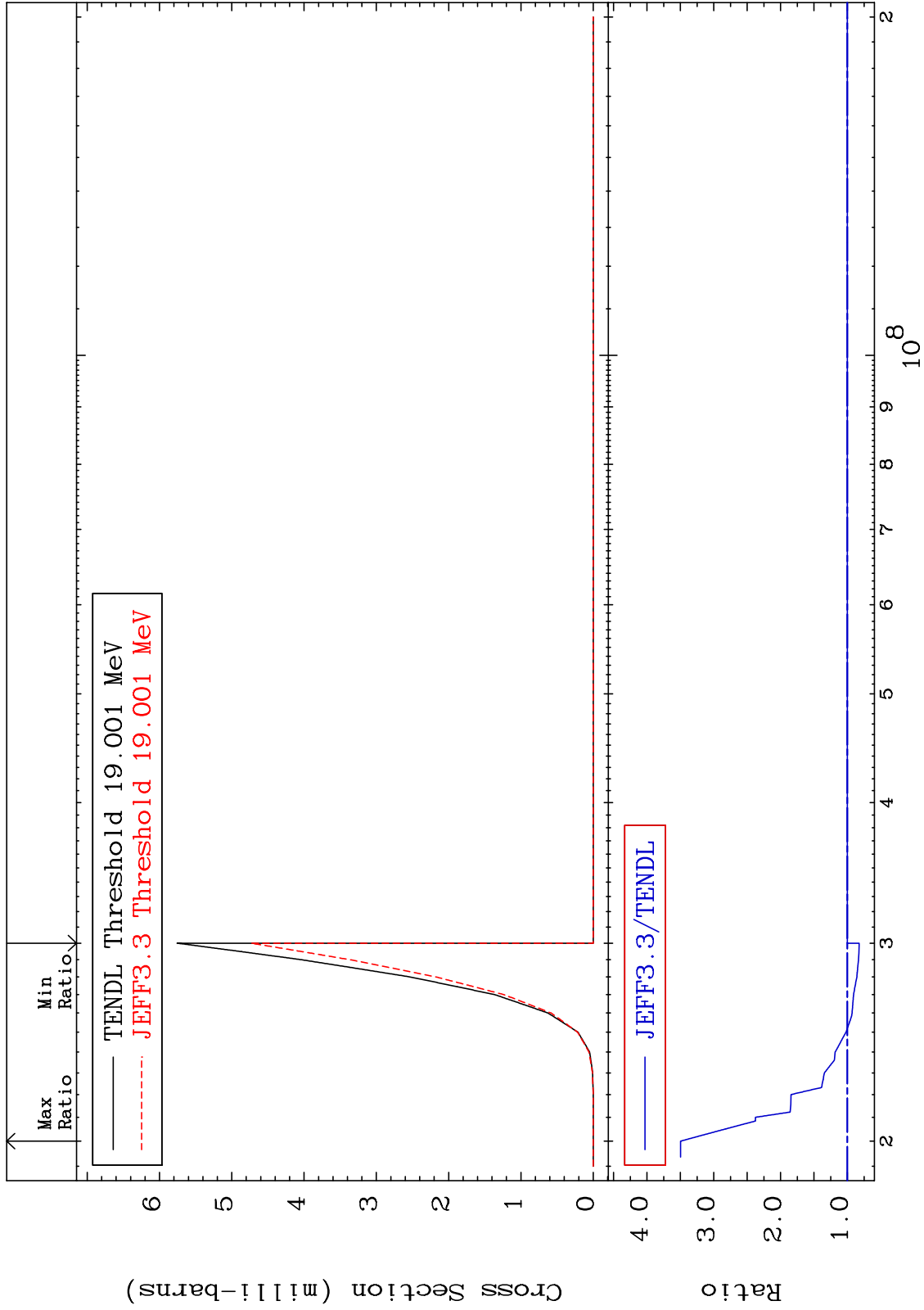
Incident Energy (MeV)

37-Rb-87

Radionuclide Production Cross Section -100.0 To 267.5 %



Radionuclide Production Cross Section -17.71 To 249.7 %

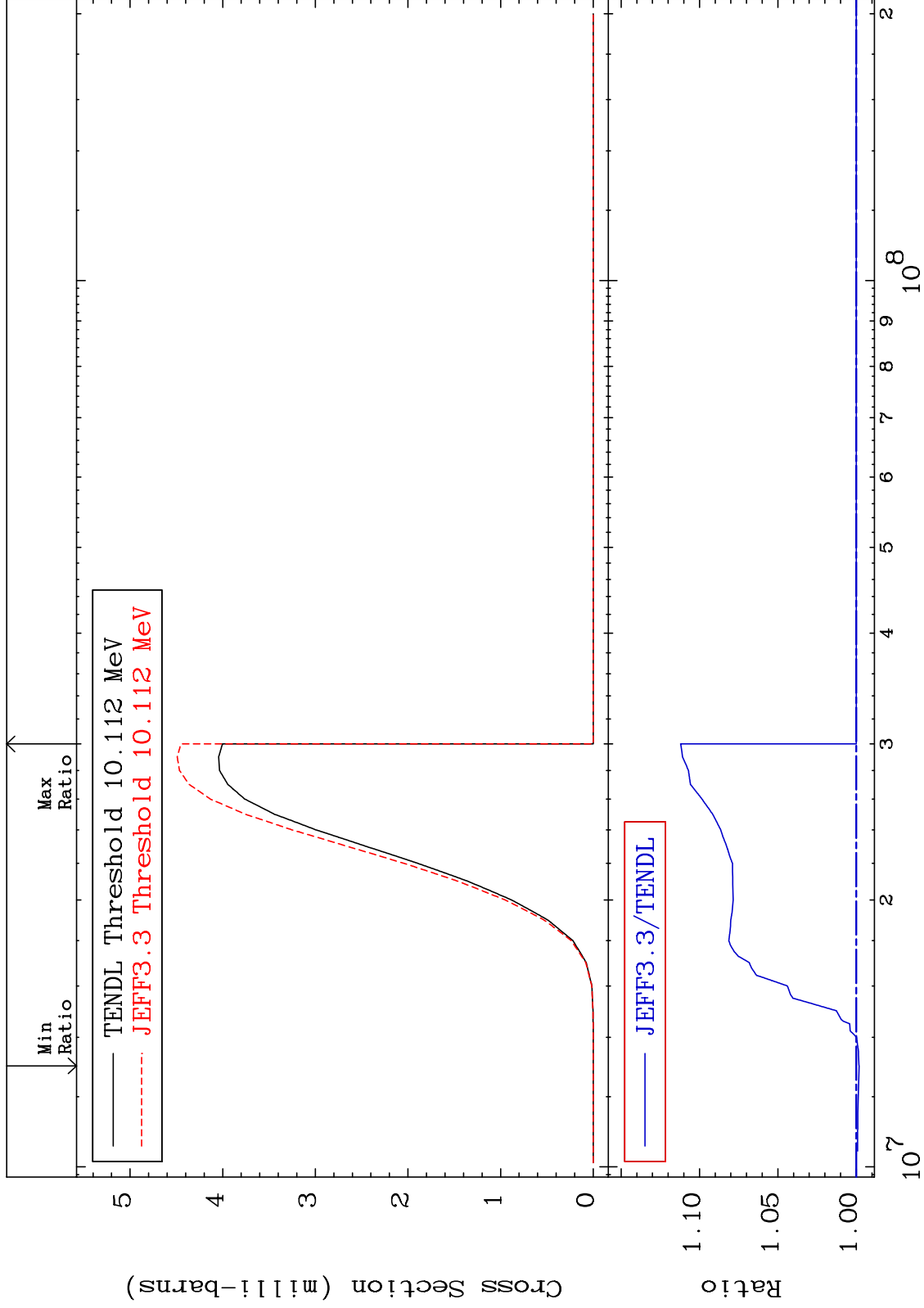


MAT 3731

37-Rb-87

(n, t) : 36-Kr-85g

Radionuclide Production Cross Section -0.187 To 11.20 %

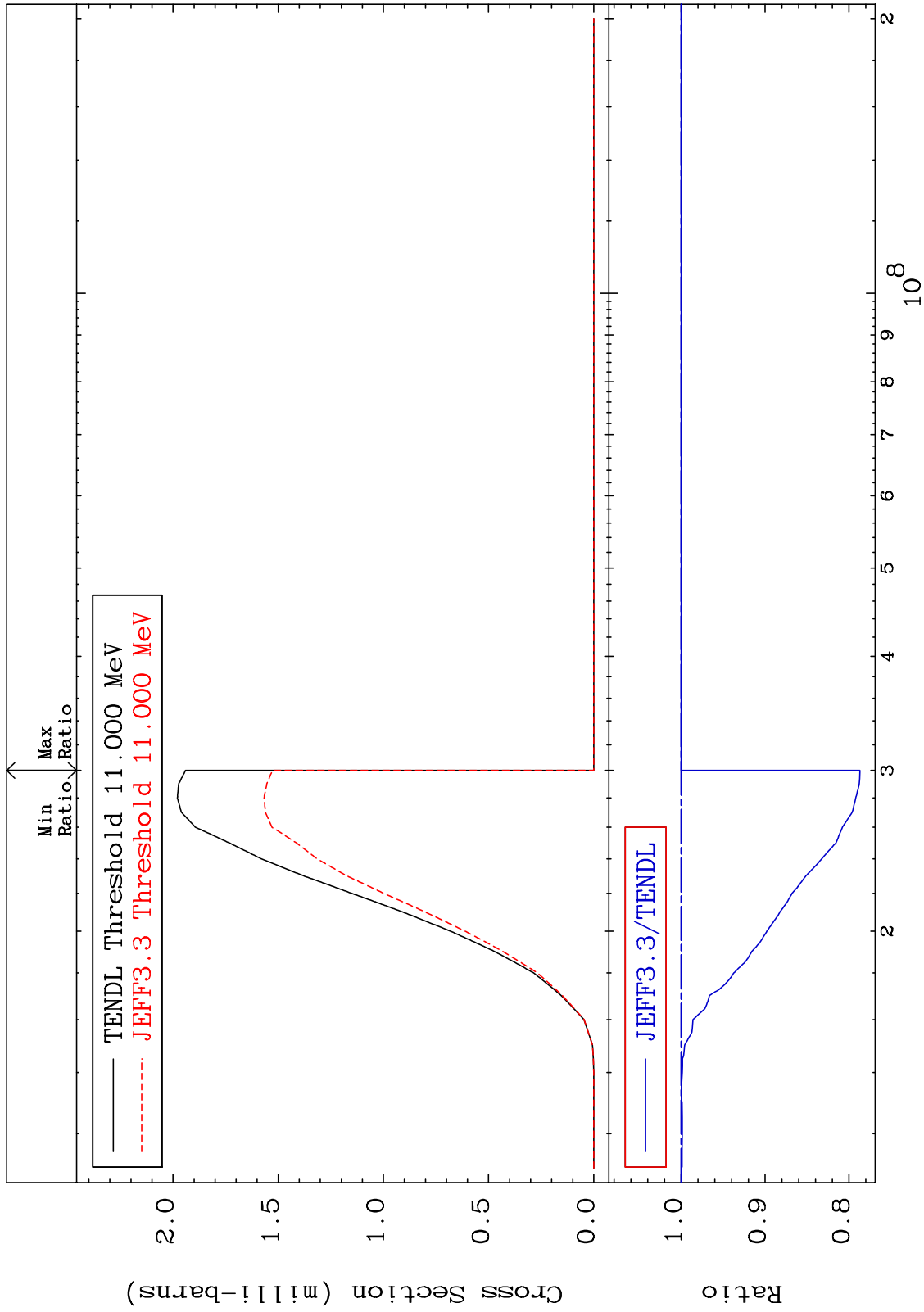


87

Incident Energy (eV)

37-Rb-87

Radionuclide Production Cross Section -21.30 To 0.000 %



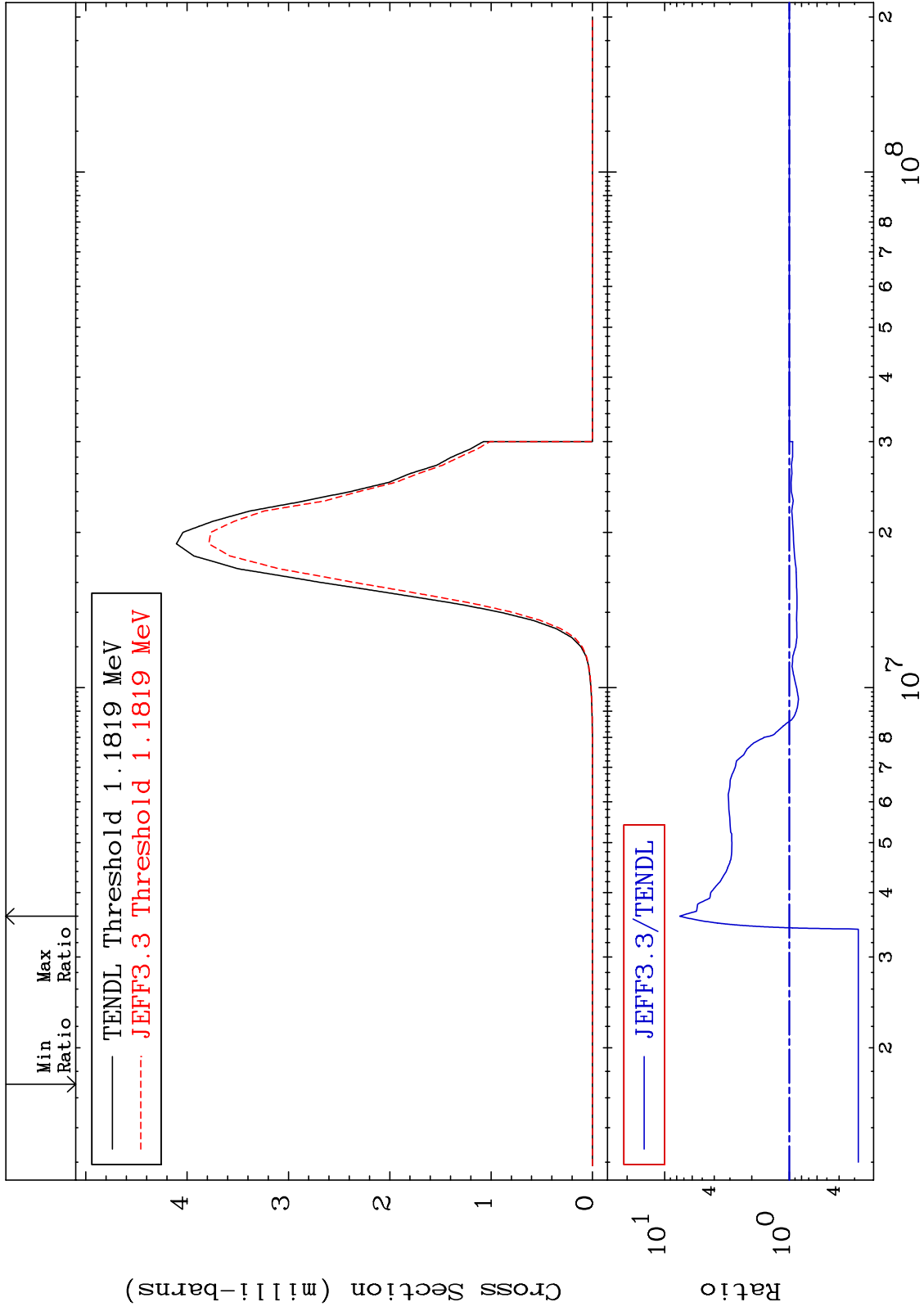
MAT 3731

(n, α): 35-Br-84g

37-Rb-87

Radionuclide Production Cross Section

-72.00 To 655.3 %

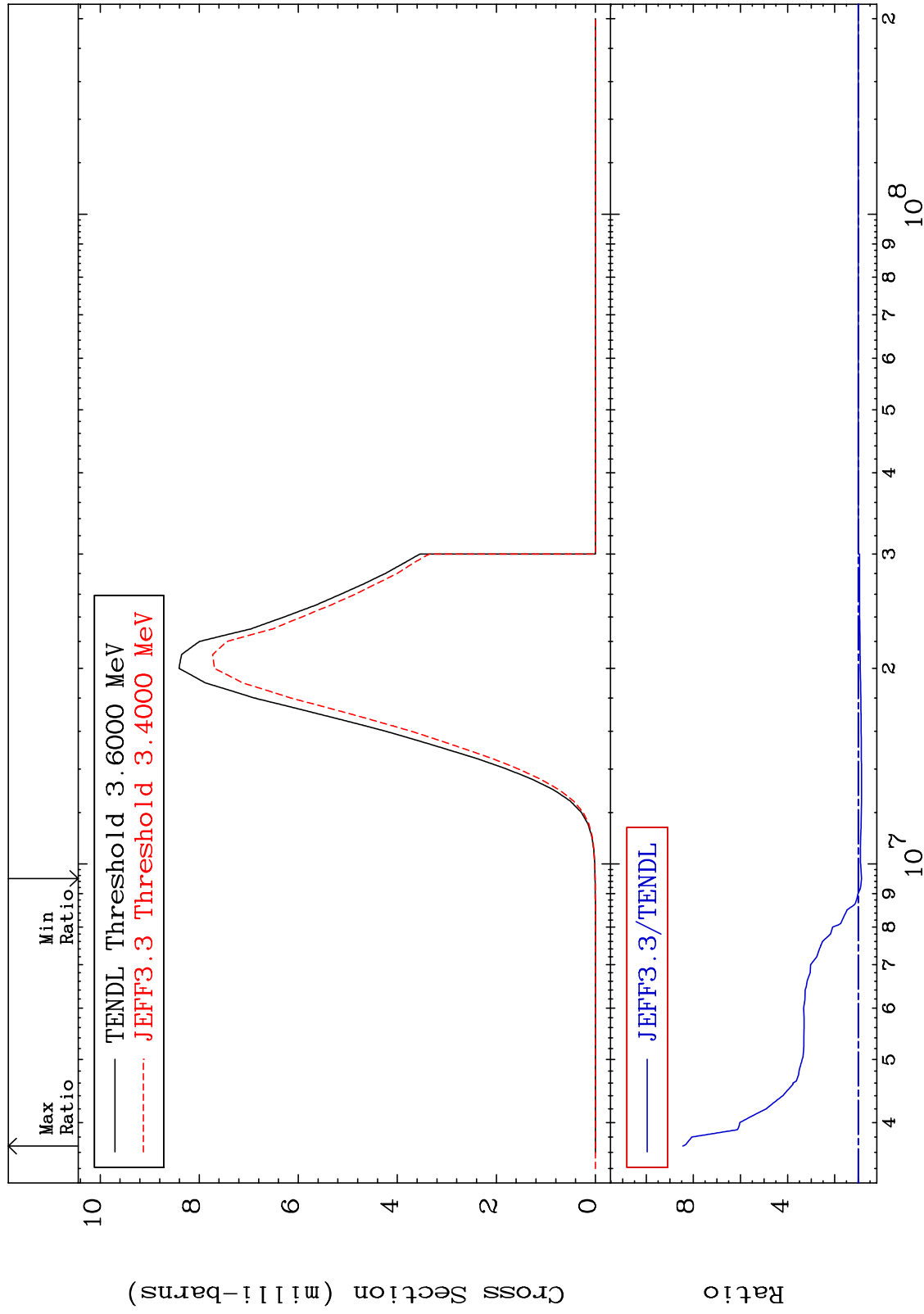


MAT 3731

(n, α): 35-Br-84m1

37-Rb-87

Radionuclide Production Cross Section -13.83 To 744.6 %



90

Incident Energy (eV)

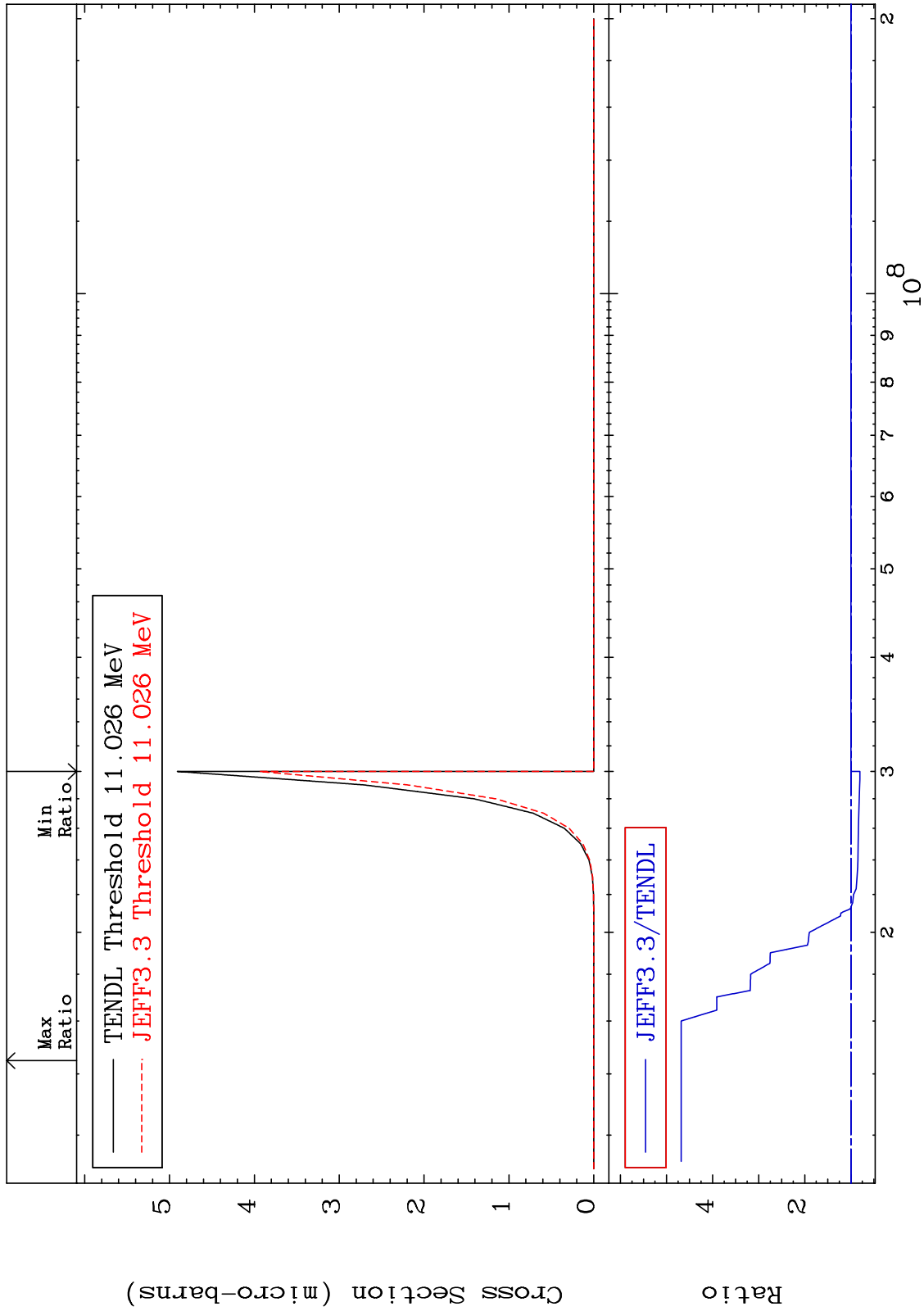
37-Rb-87

MAT 3731

(n,p) α :34-Se-83g

37-Rb-87

Radionuclide Production Cross Section -19.73 To 368.1 %

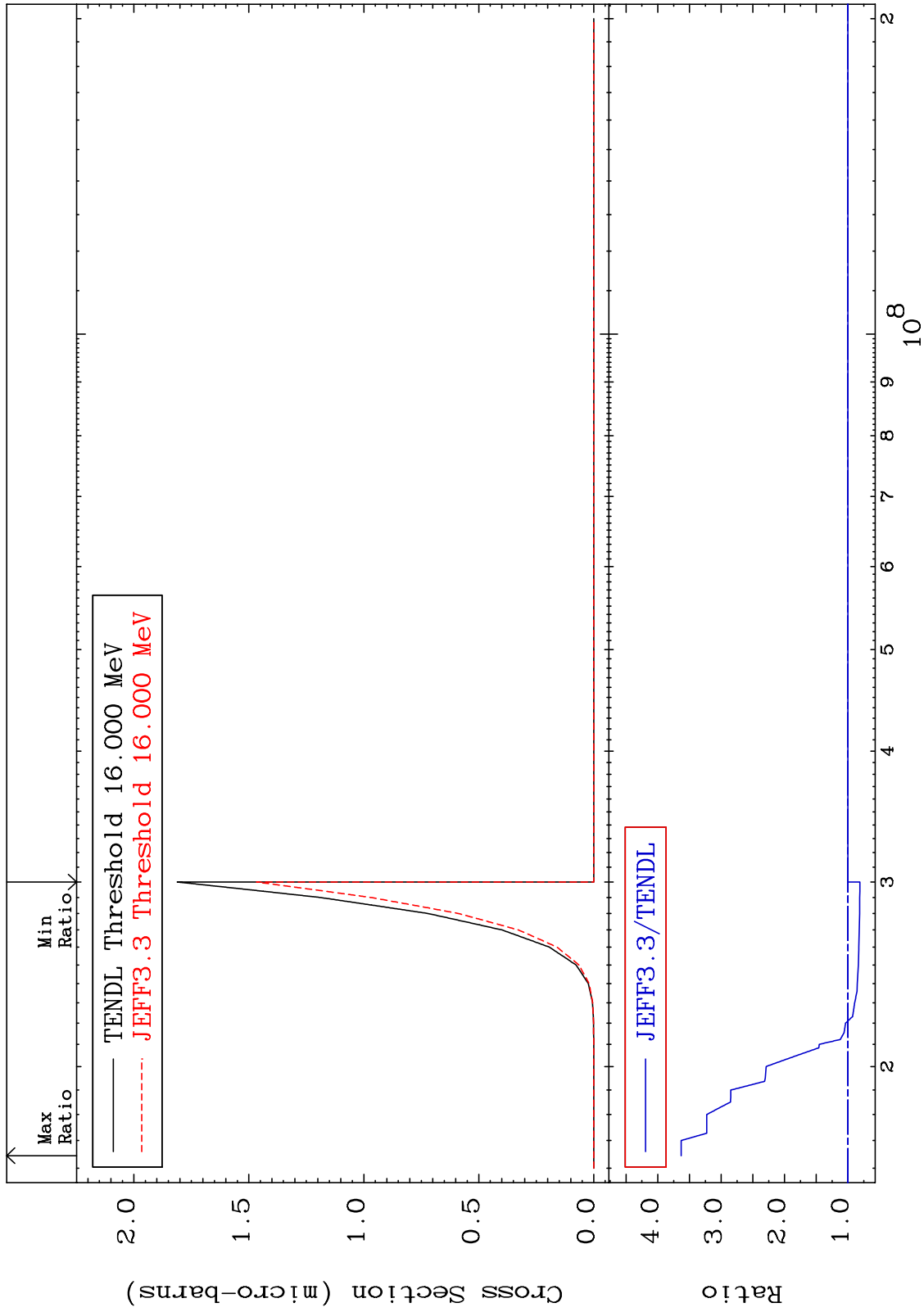


MAT 3731

(n, p) α : 34-Se-83m1

37-Rb-87

Radionuclide Production Cross Section -18.97 To 263.0 %

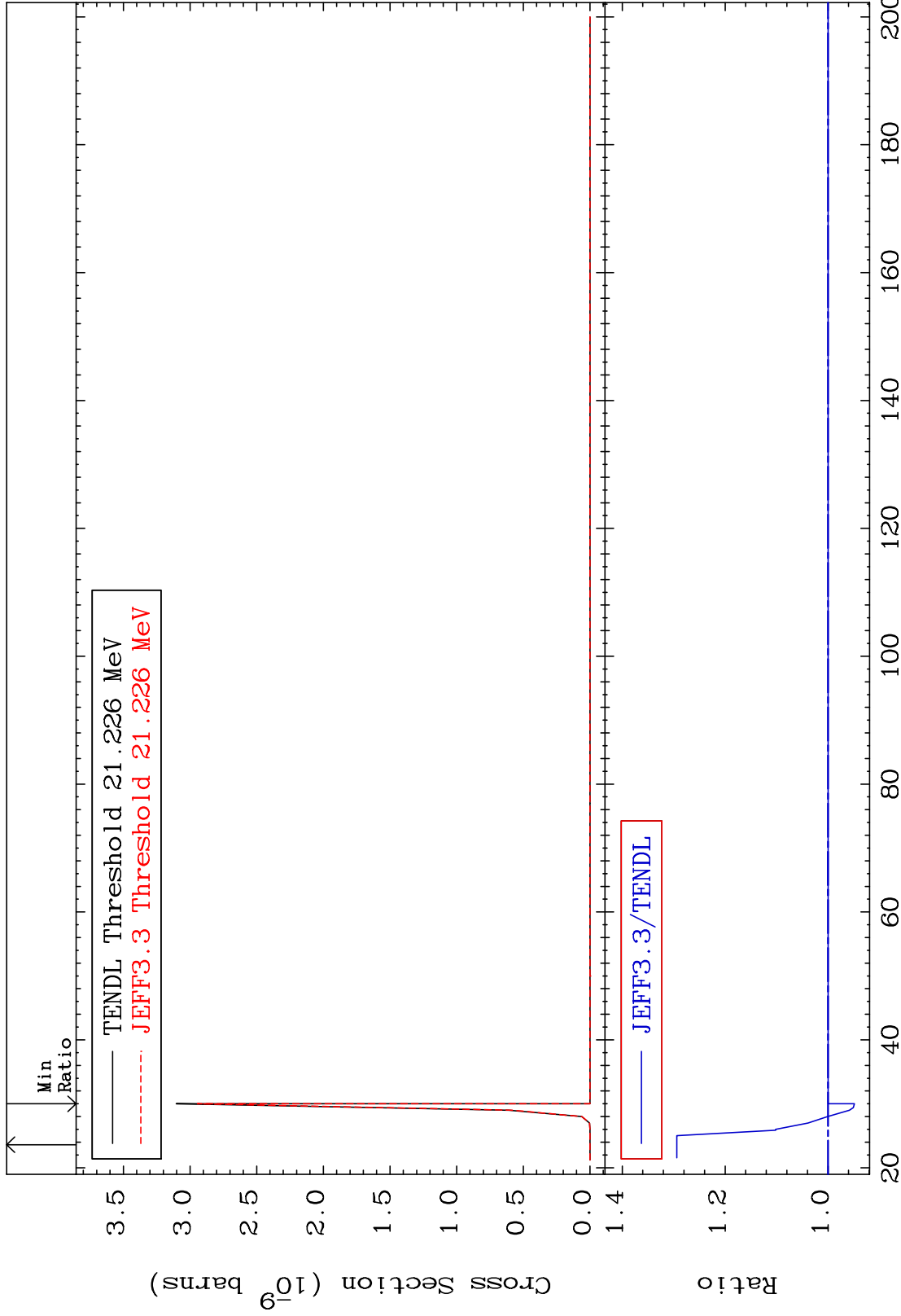


MAT 3731

(n,p) t:35-Br-84g

37-Rb-87

Radionuclide Production Cross Section -5.132 To 29.38 %



93

Incident Energy (MeV)

37-Rb-87

MAT 3731

(n, p) t: 35-Br-84m1

37-Rb-87

Radionuclide Production Cross Section -5.611 To 46.58 %

