

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

MAT 4319

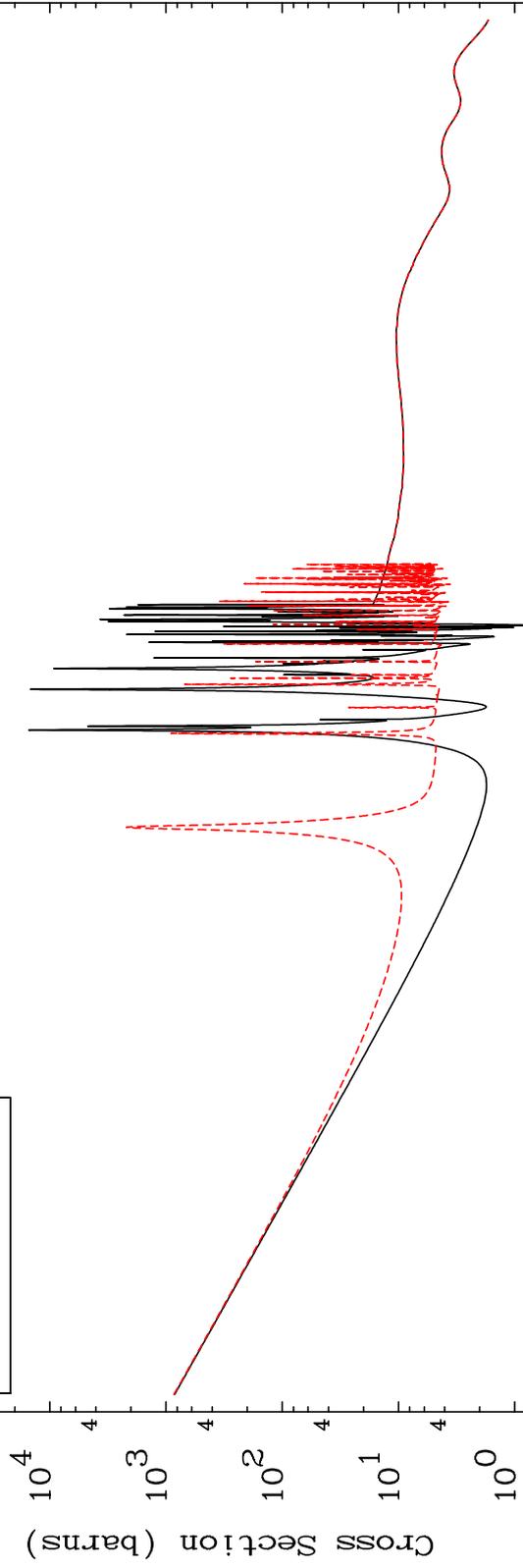
43-Tc-97

-99.97 To 9999. %

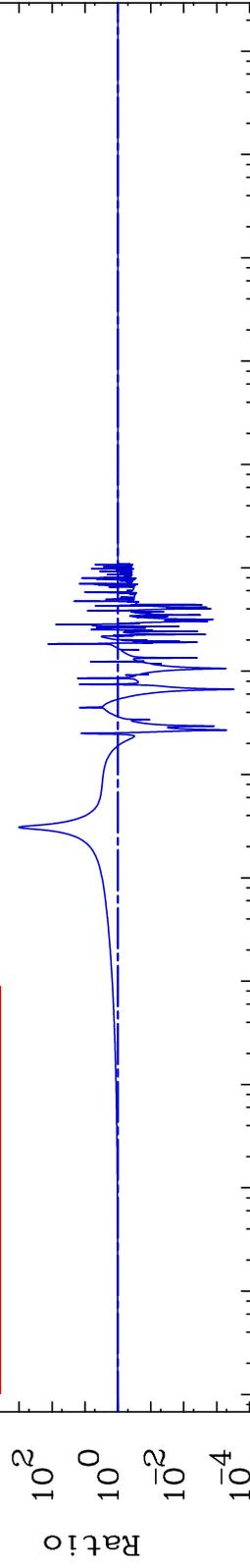
Total
Cross Section

Max Ratio
Min Ratio

TENDL
JEFF3.3



JEFF3.3/TENDL



43-Tc-97

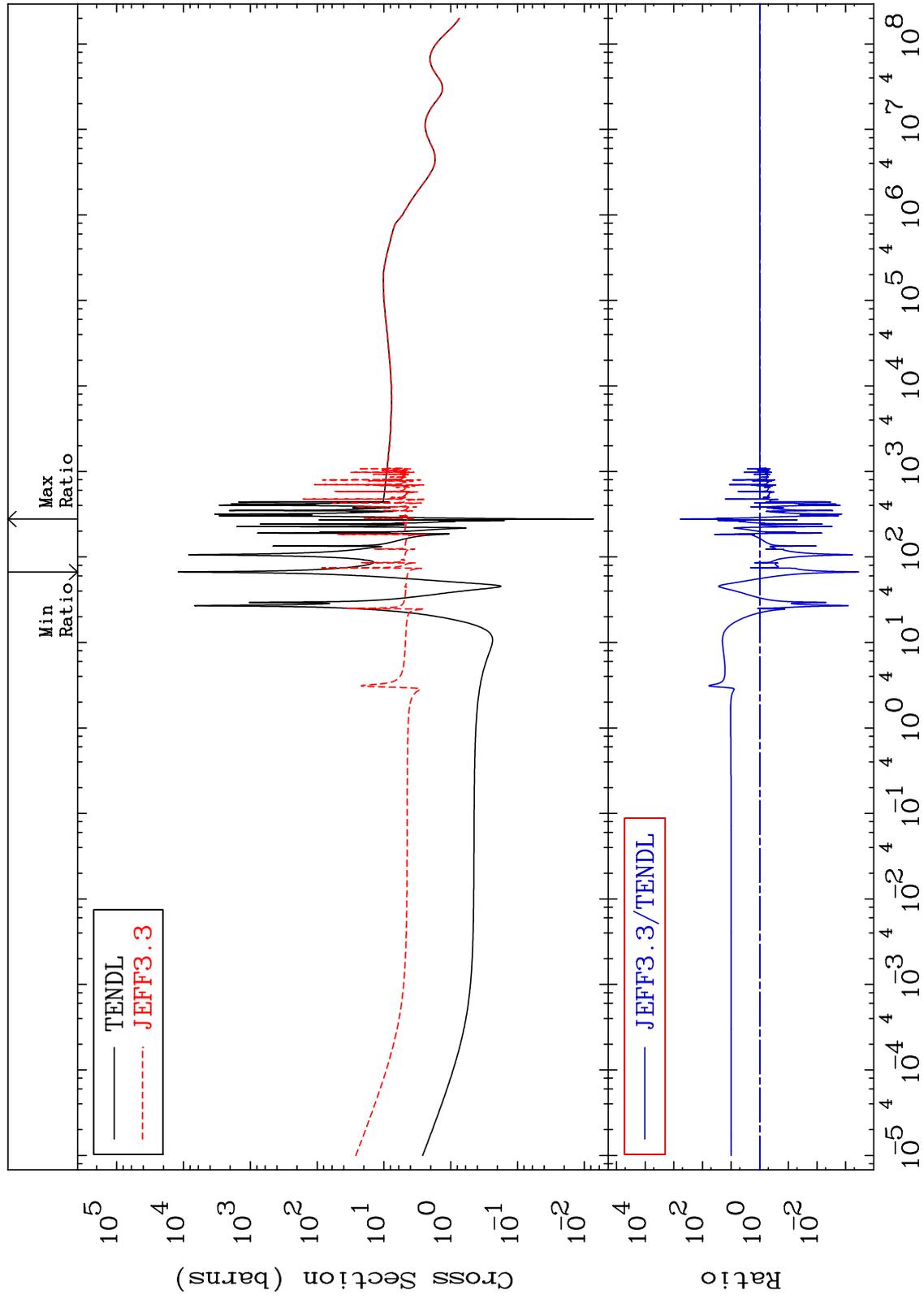
Incident Energy (eV)

1

MAT 4319

Elastic
Cross Section

43-Tc-97
-99.96 To 9999. %



2

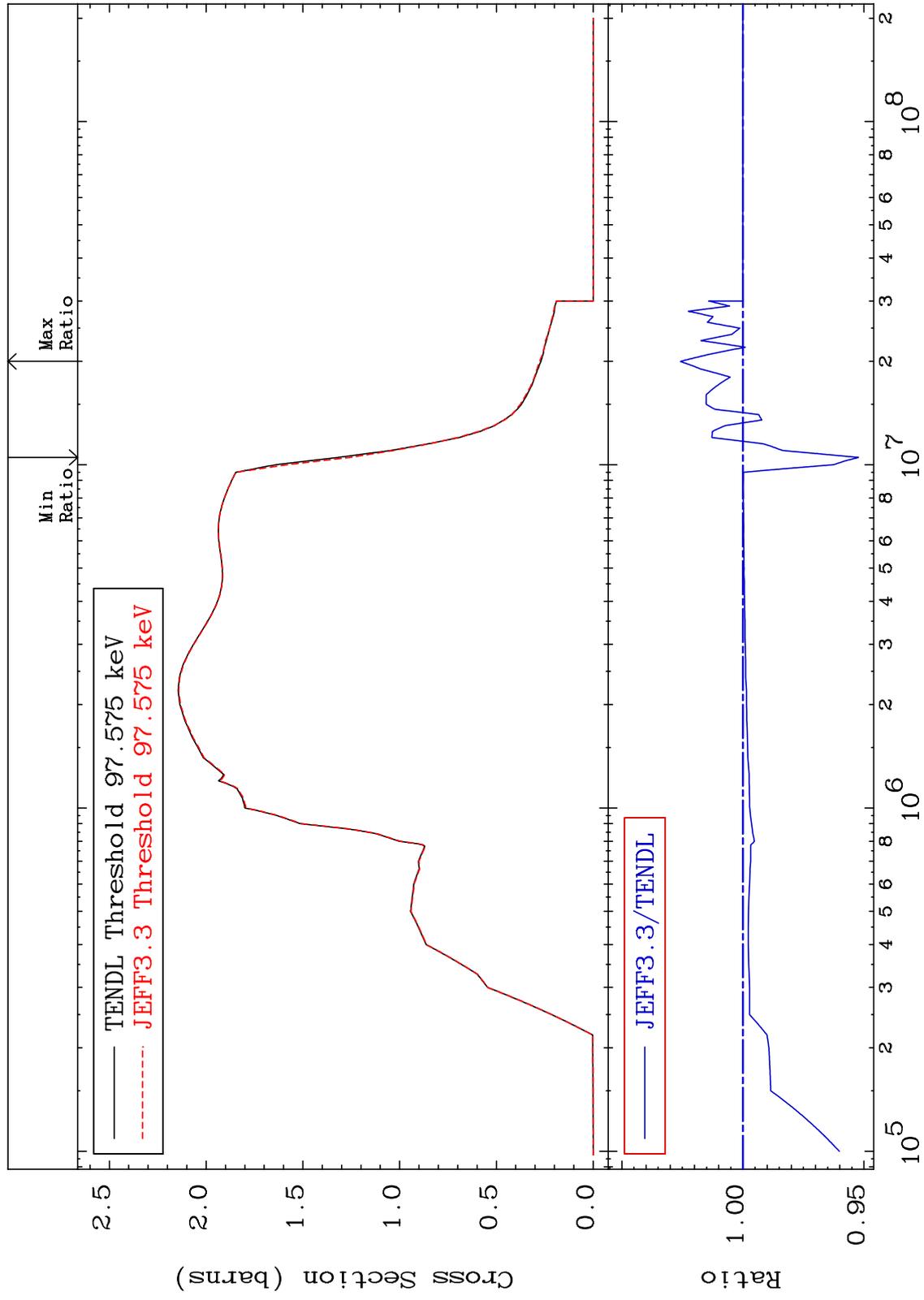
Incident Energy (eV)

43-Tc-97

MAT 4319

Inelastic
Cross Section

43-Tc-97
-4.775 To 2.582 %



Incident Energy (eV)

43-Tc-97

3

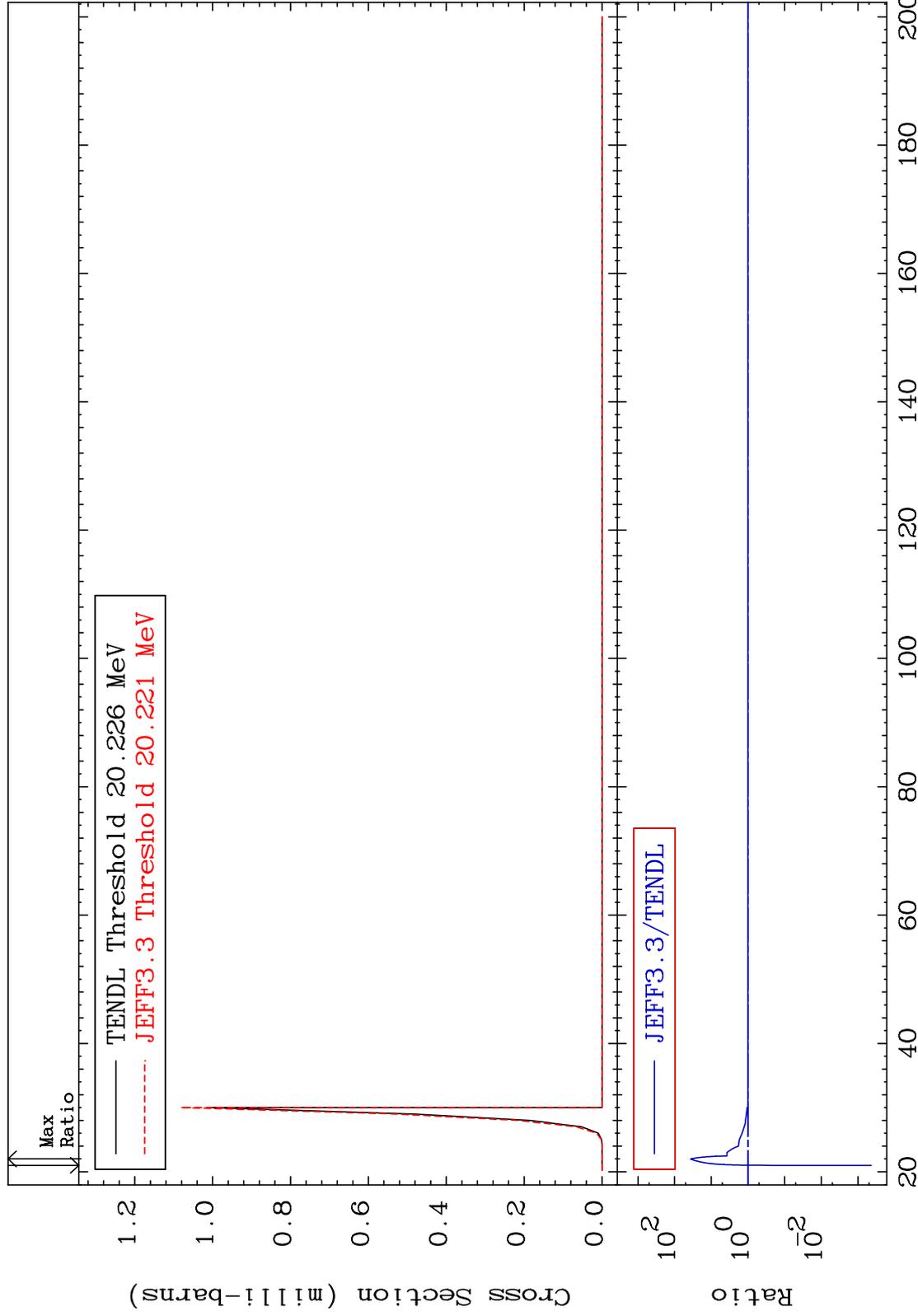
MAT 4319

(n,2n) d

43-Tc-97

Cross Section

-99.96 To 3590. %



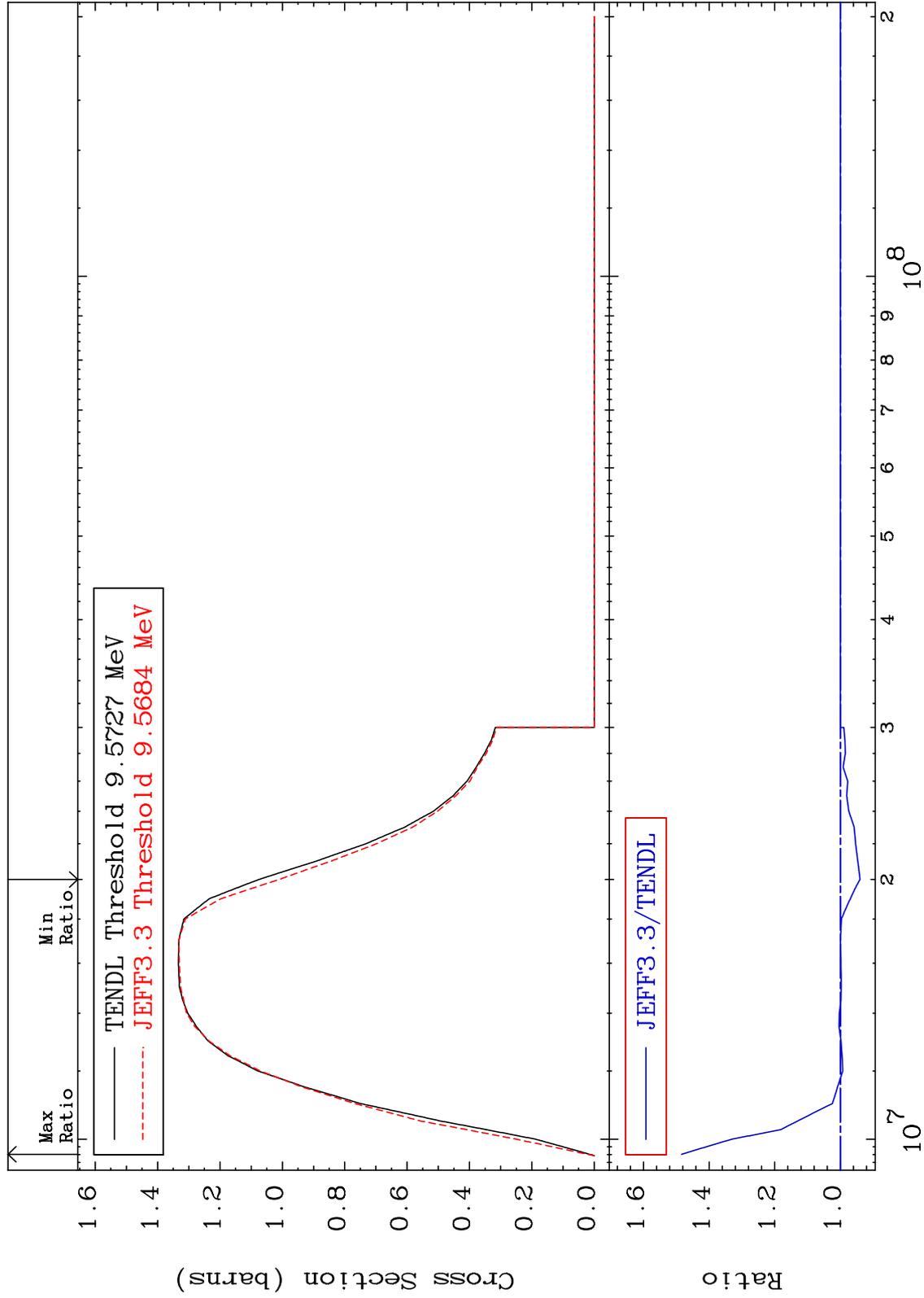
MAT 4319

(n,2n)

43-Tc-97

Cross Section

-6.006 To 48.39 %



43-Tc-97

43-Tc-97

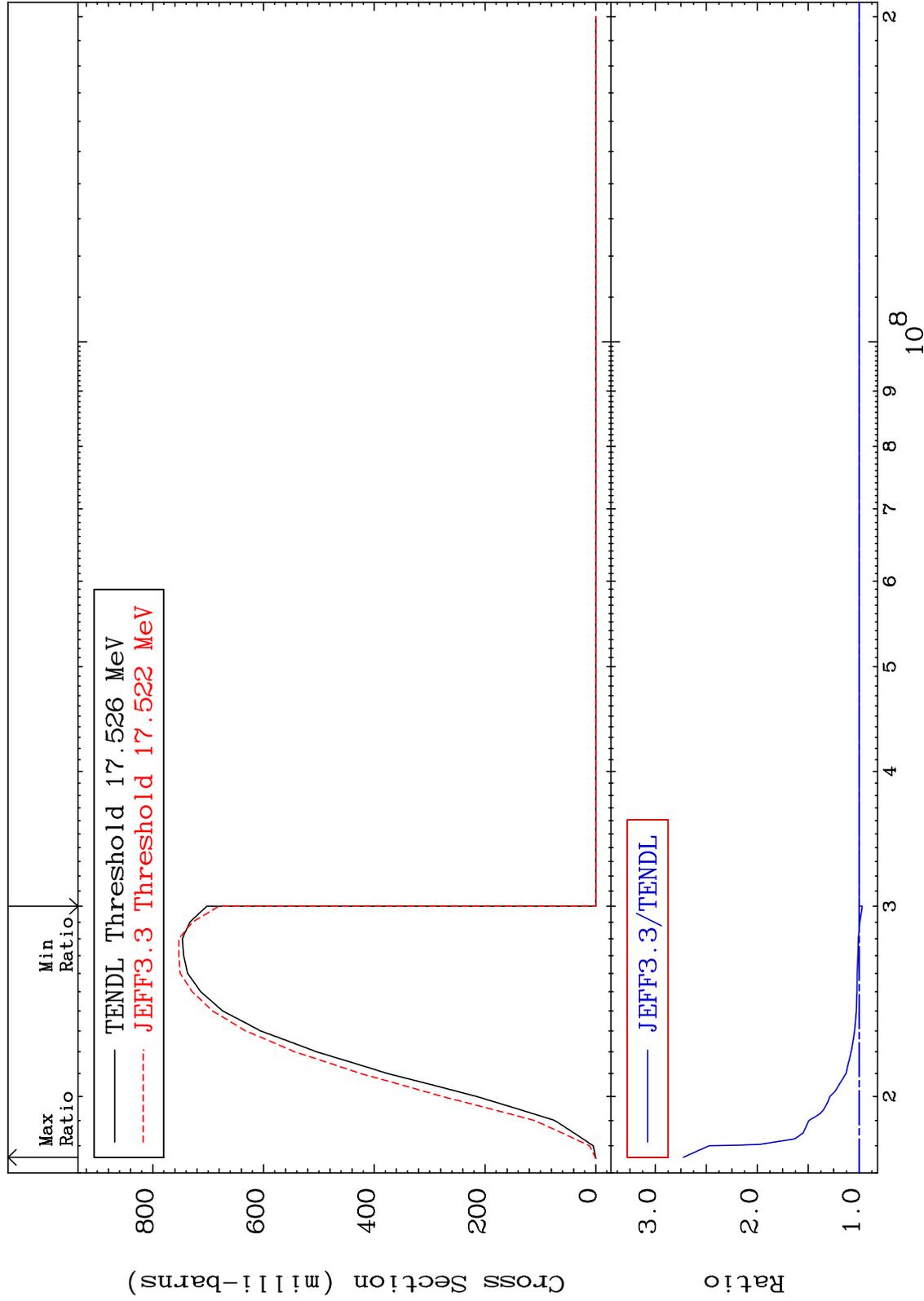
MAT 4319

(n,3n)

43-Tc-97

Cross Section

-3.102 To 172.5 %



6

43-Tc-97

43-Tc-97

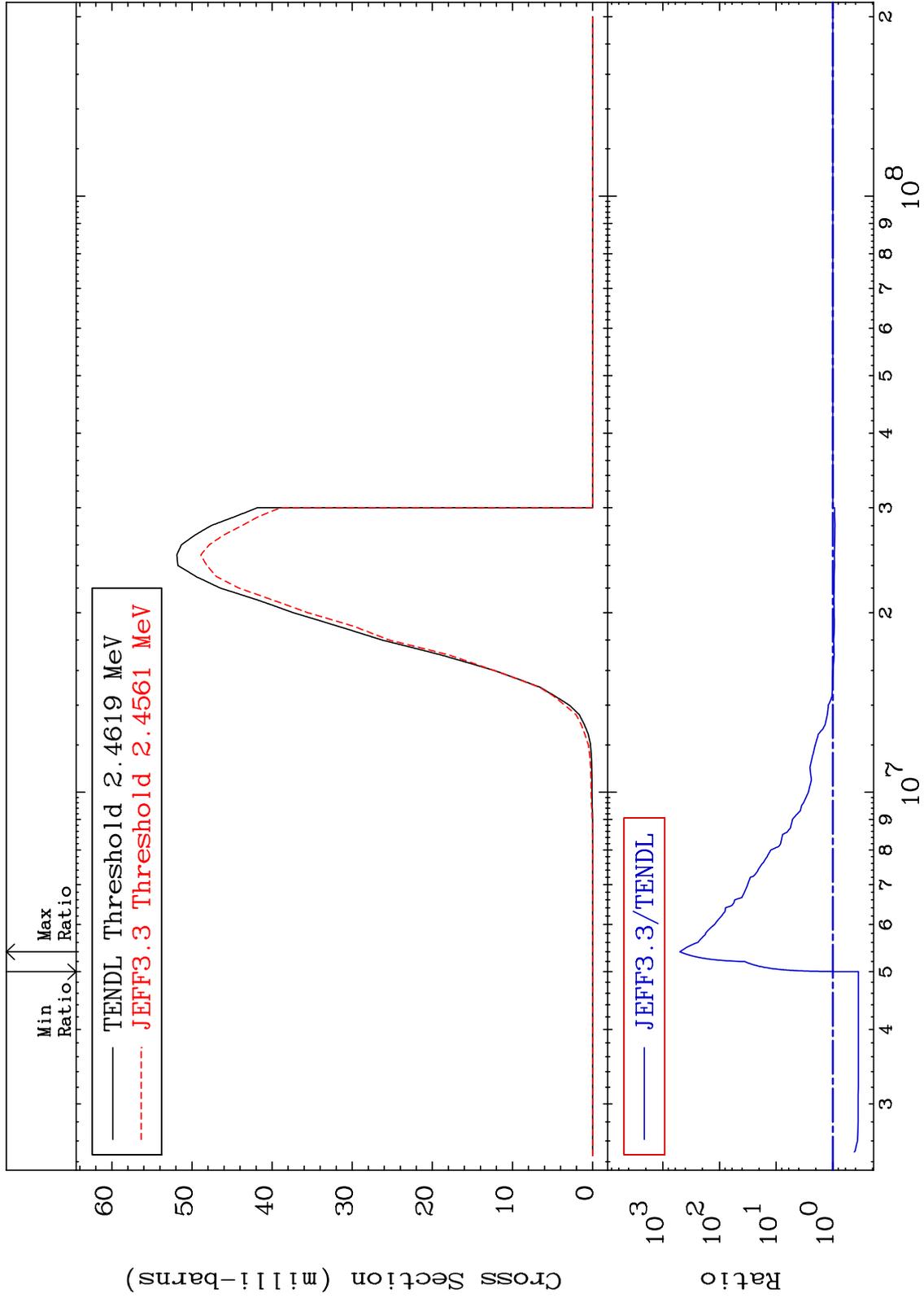
MAT 4319

(n, n') α

43-Tc-97

Cross Section

-64.54 To 9999. %



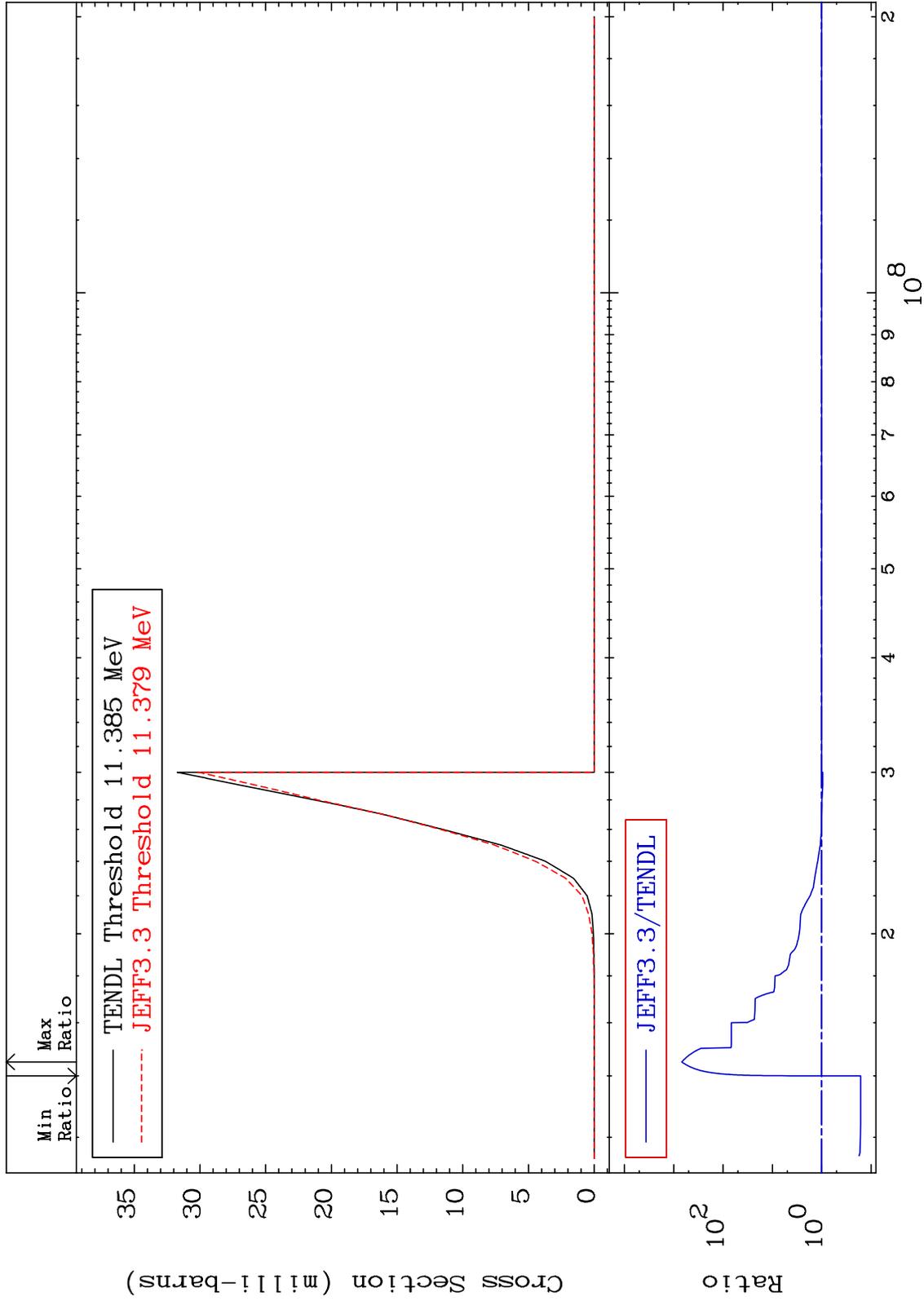
MAT 4319

(n,2n) α

43-Tc-97

Cross Section

-83.77 To 9999. %



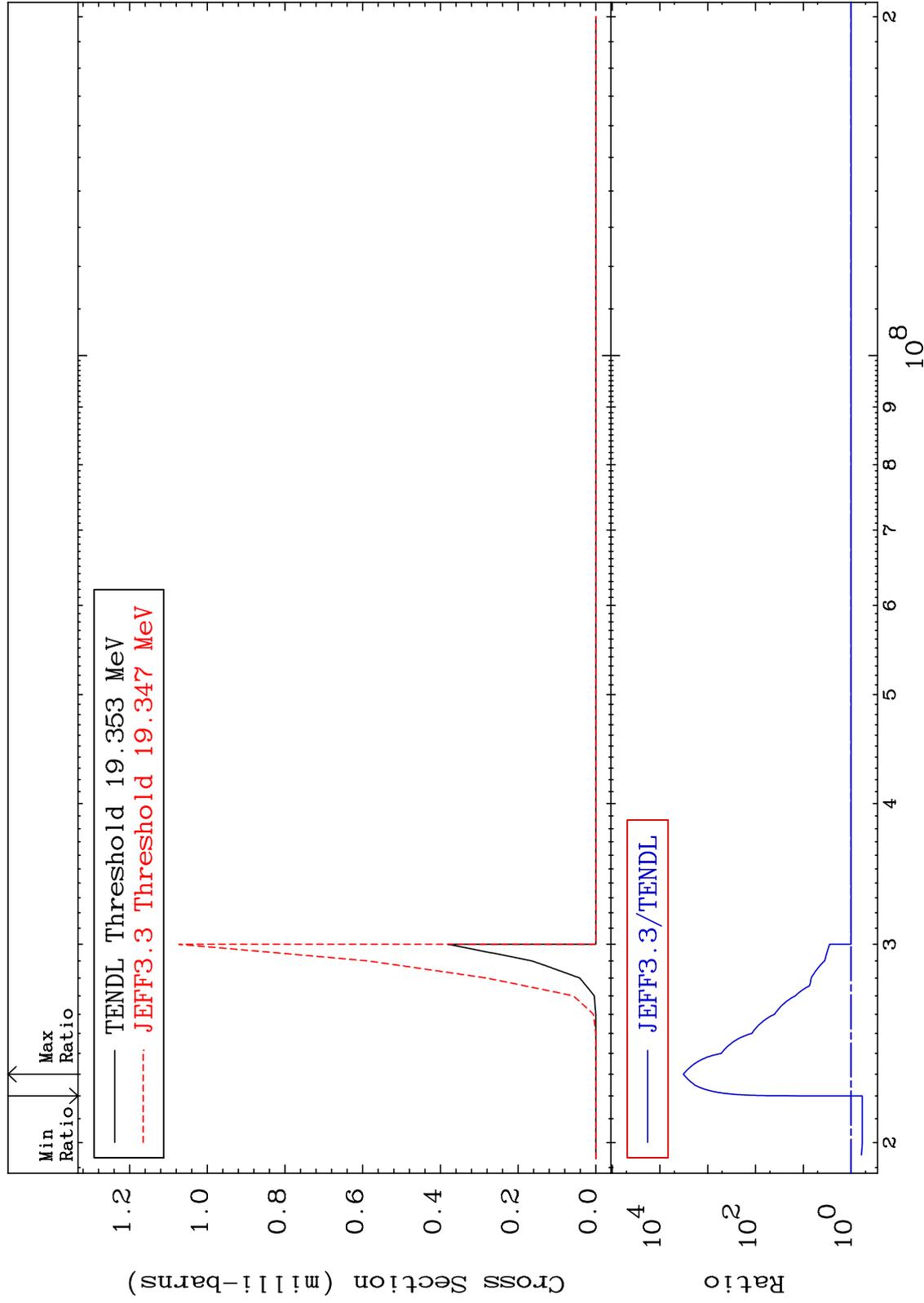
MAT 4319

(n,3n) α

43-Tc-97

Cross Section

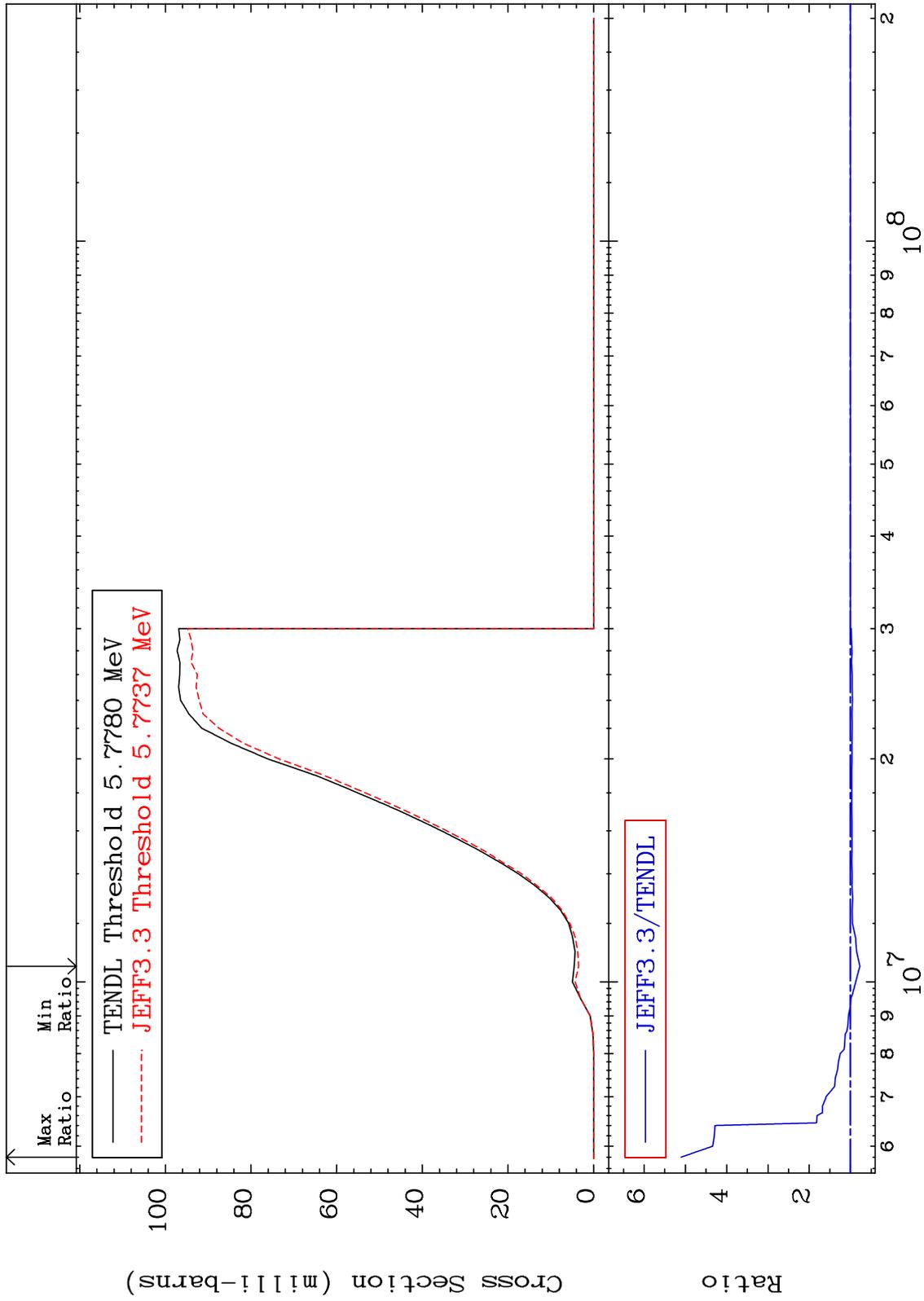
-41.62 To 9999. %



MAT 4319

(n,n') p
Cross Section

43-Tc-97
-22.80 To 410.3 %



10

Incident Energy (eV)

43-Tc-97

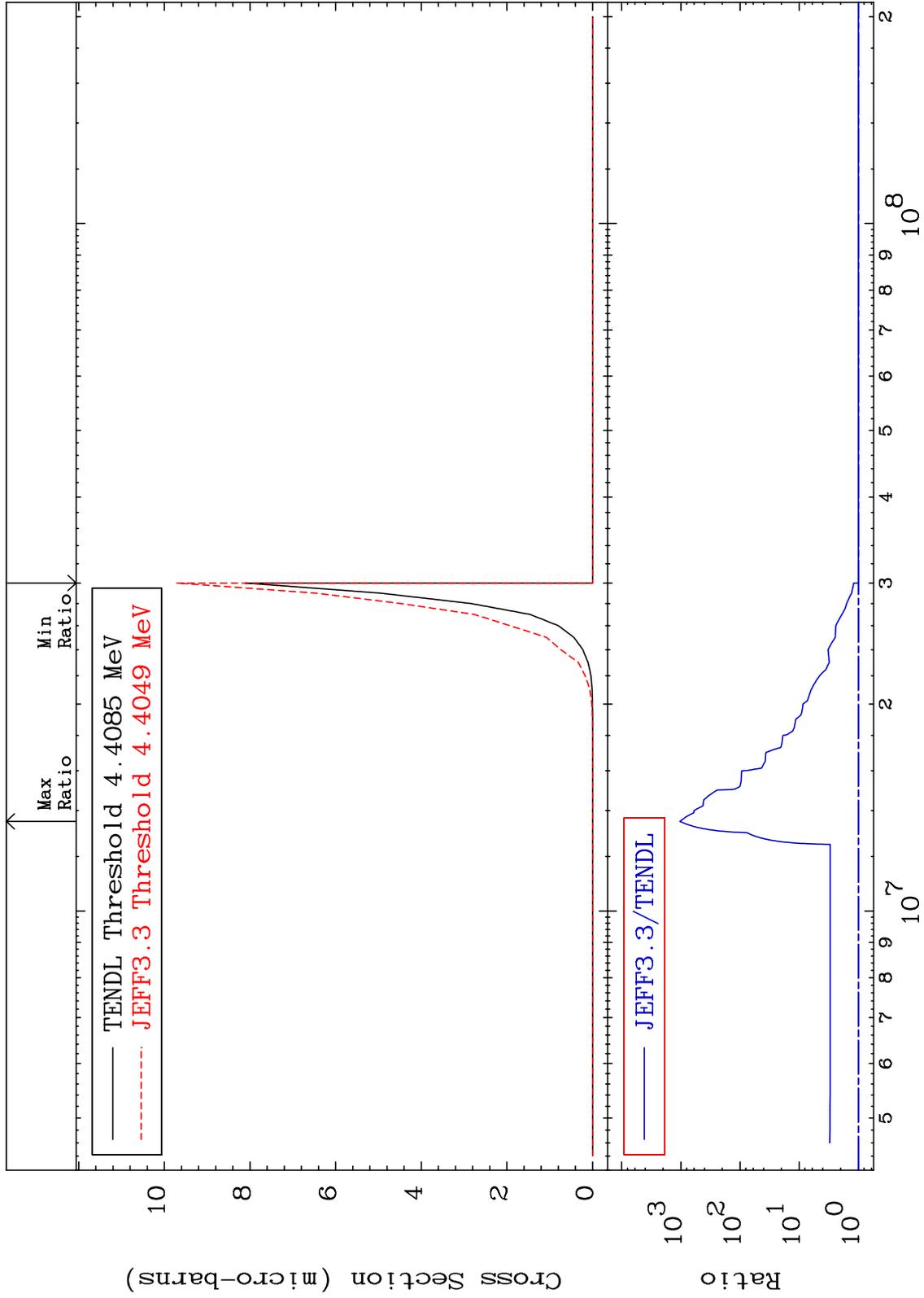
MAT 4319

(n, n') 2α

43-Tc-97

0.000 To 9999. %

Cross Section



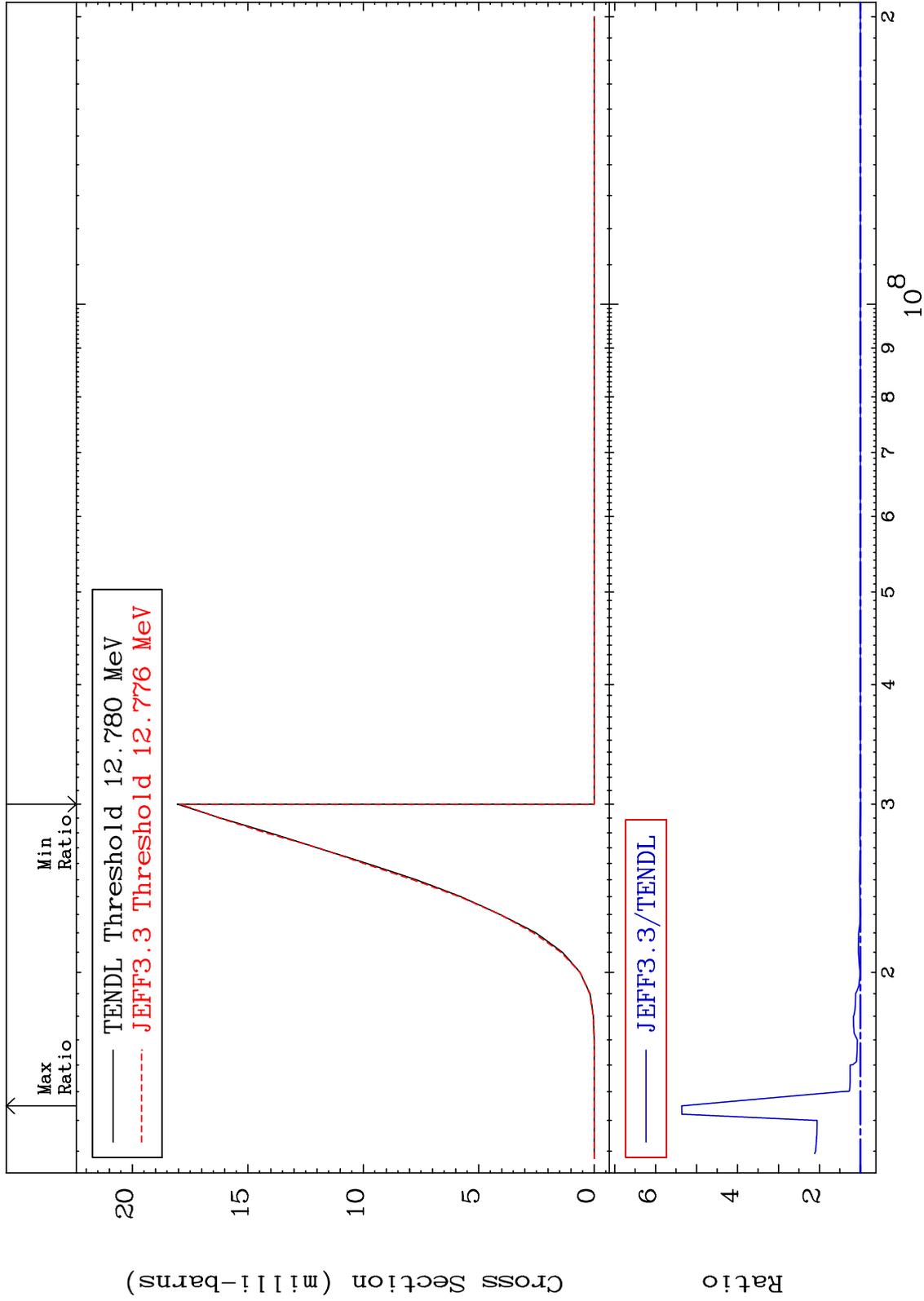
MAT 4319

(n,n') d

43-Tc-97

Cross Section

-0.642 To 436.2 %



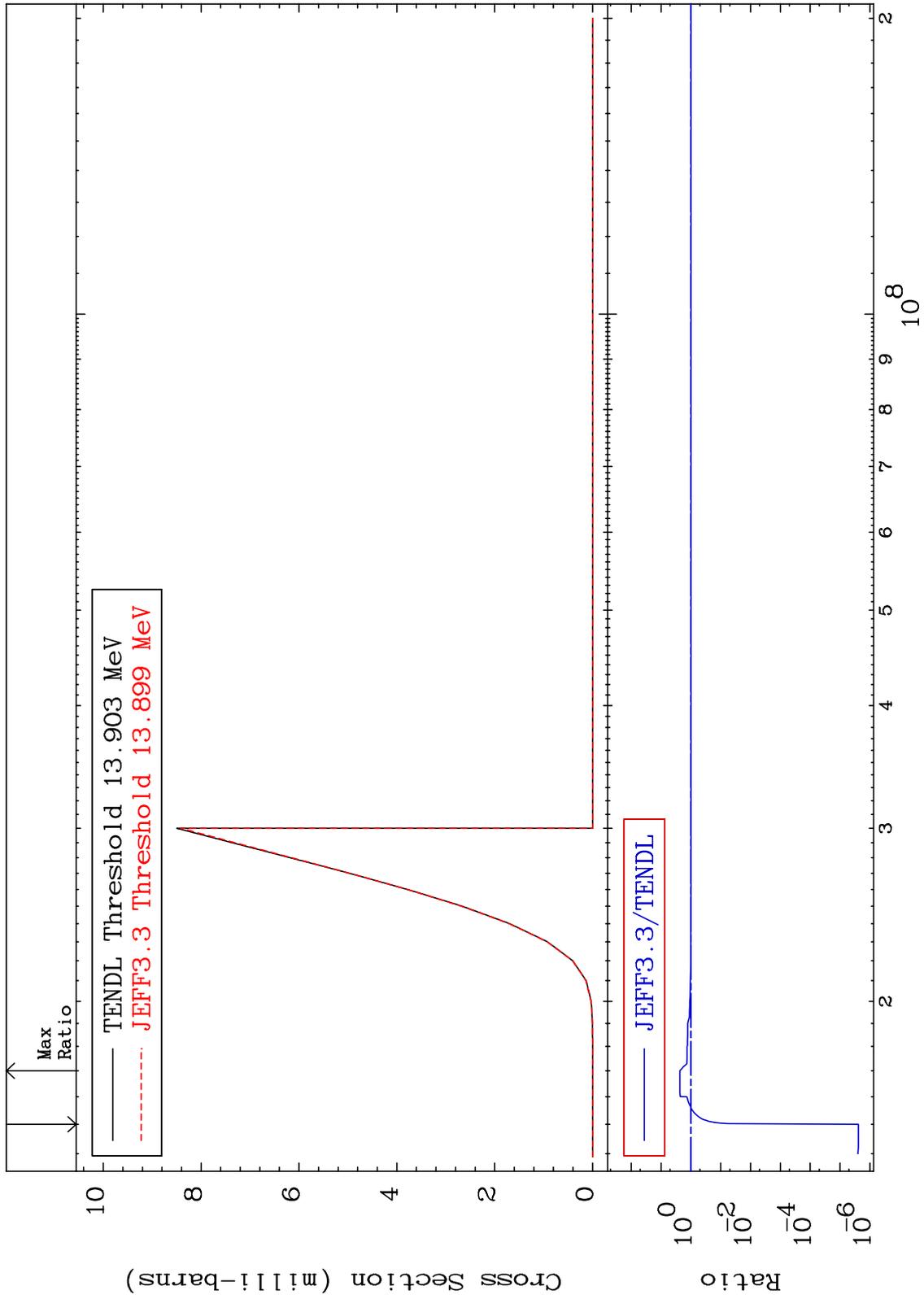
MAT 4319

(n, n') t

43-Tc-97

Cross Section

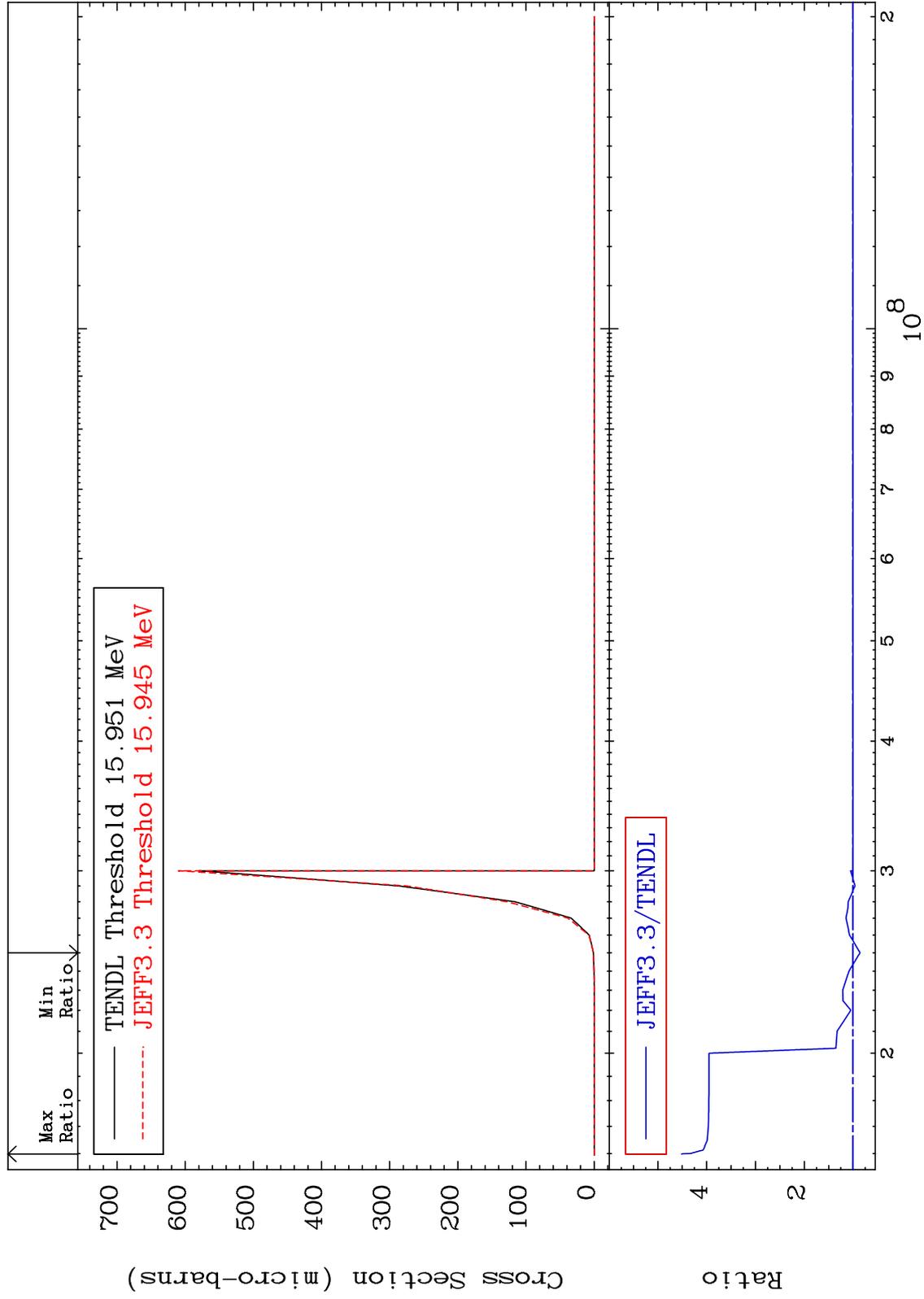
-100.0 To 133.5 %



MAT 4319

(n, n') He-3
Cross Section

43-Tc-97
-14.23 To 351.4 %



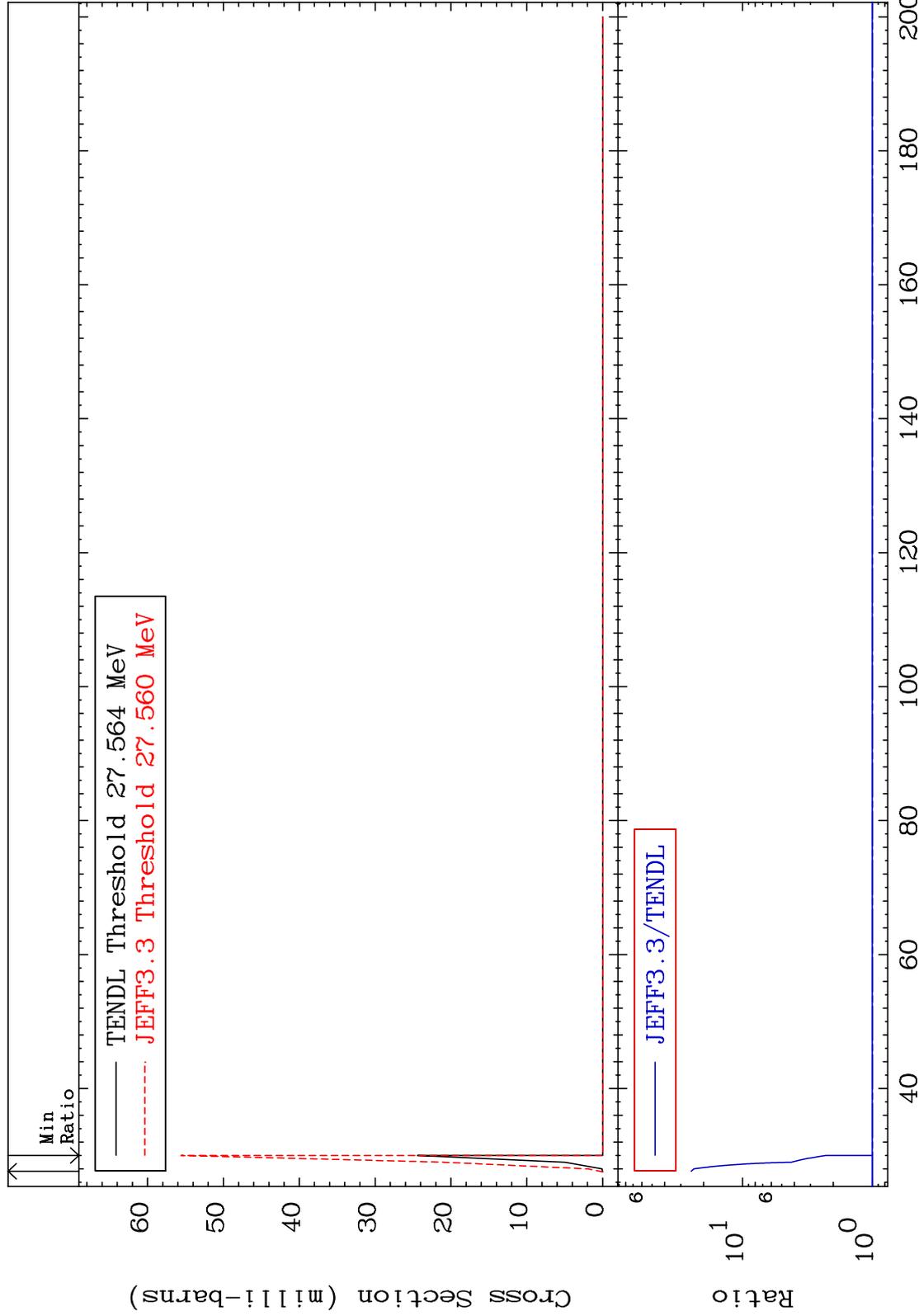
MAT 4319

(n, 4n)

43-Tc-97

Cross Section

0.000 To 2391. %



15

Incident Energy (MeV)

43-Tc-97

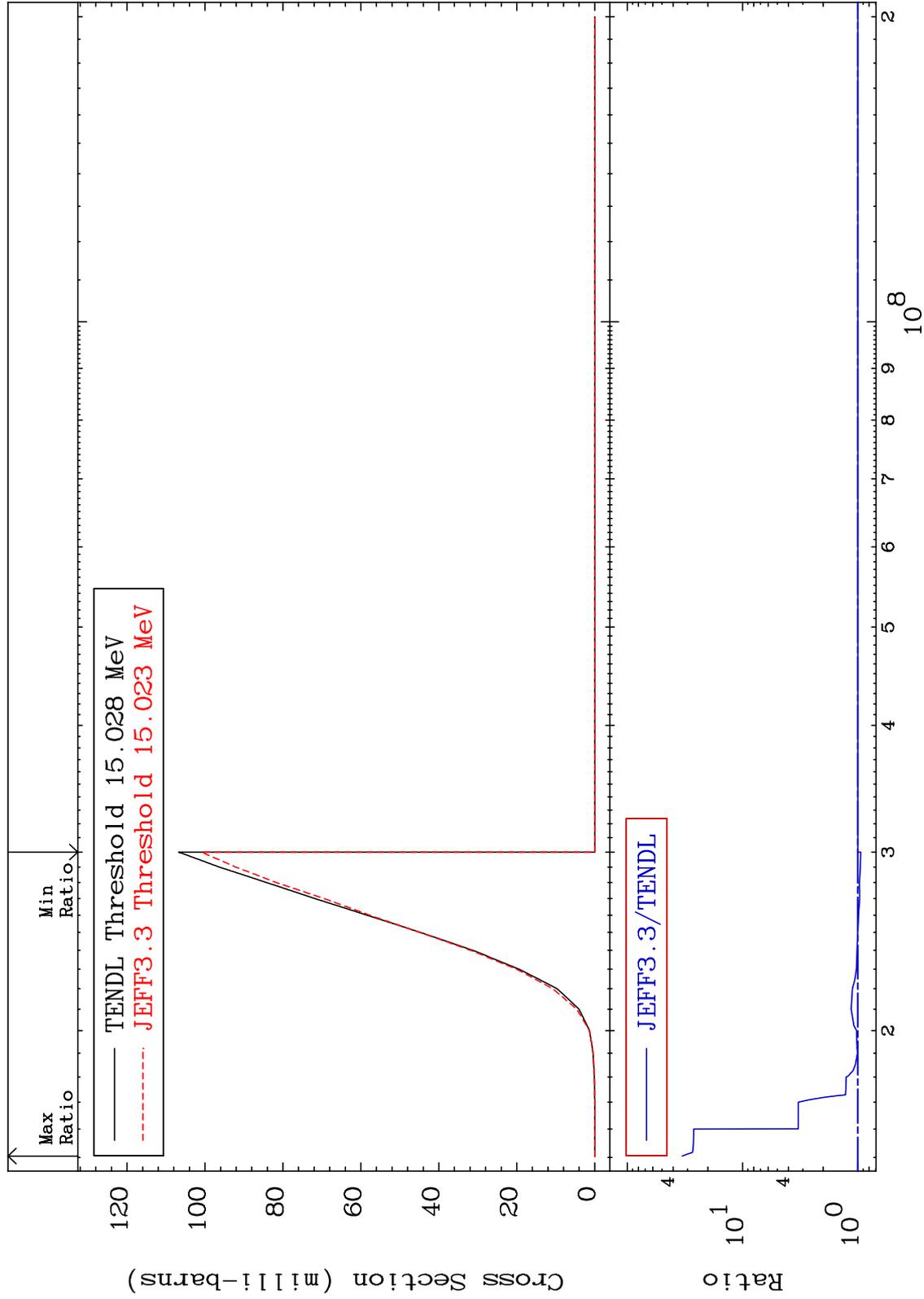
MAT 4319

(n,2n) p

43-Tc-97

Cross Section

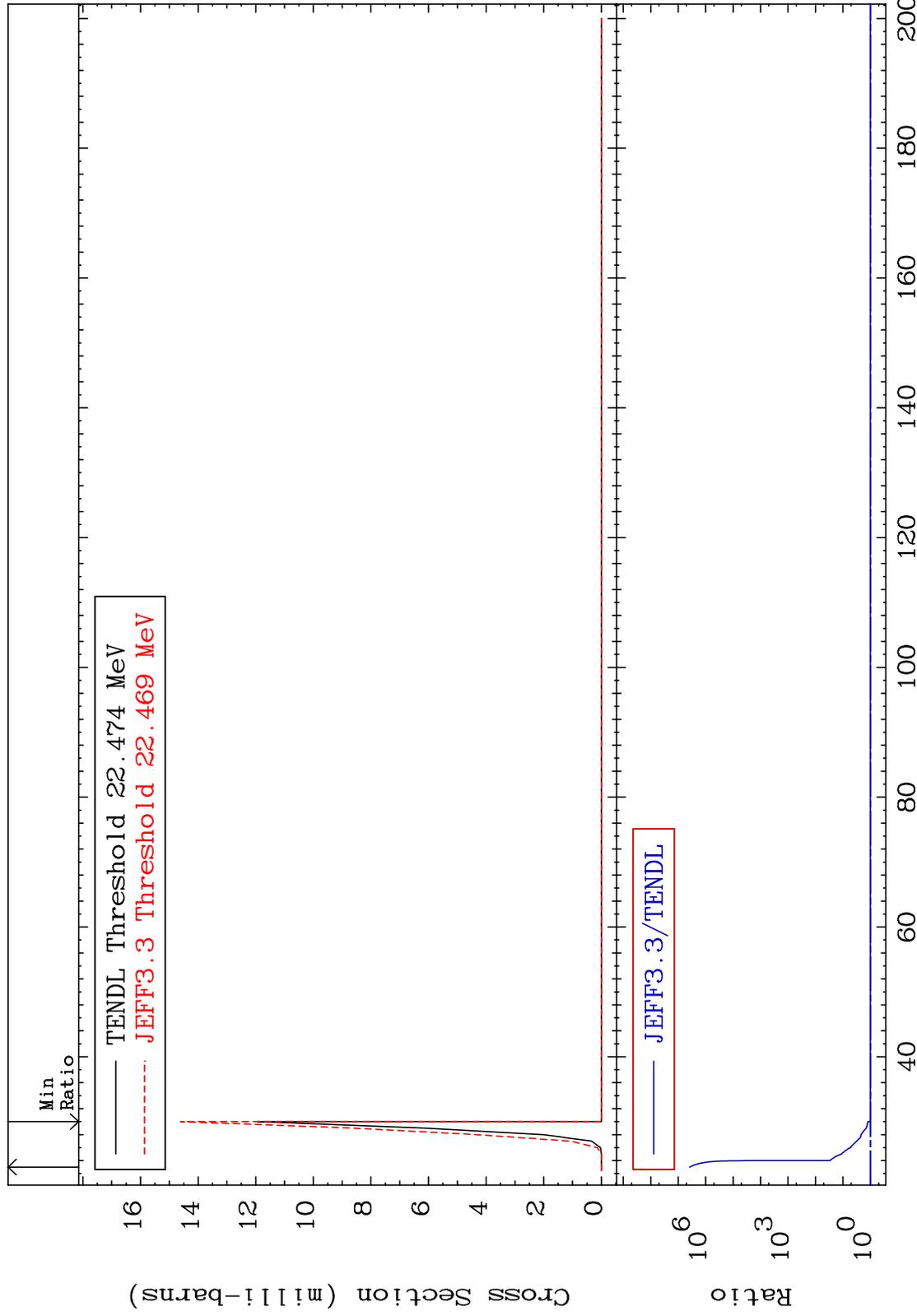
-5.480 To 3243. %



MAT 4319

(n,3n) p
Cross Section

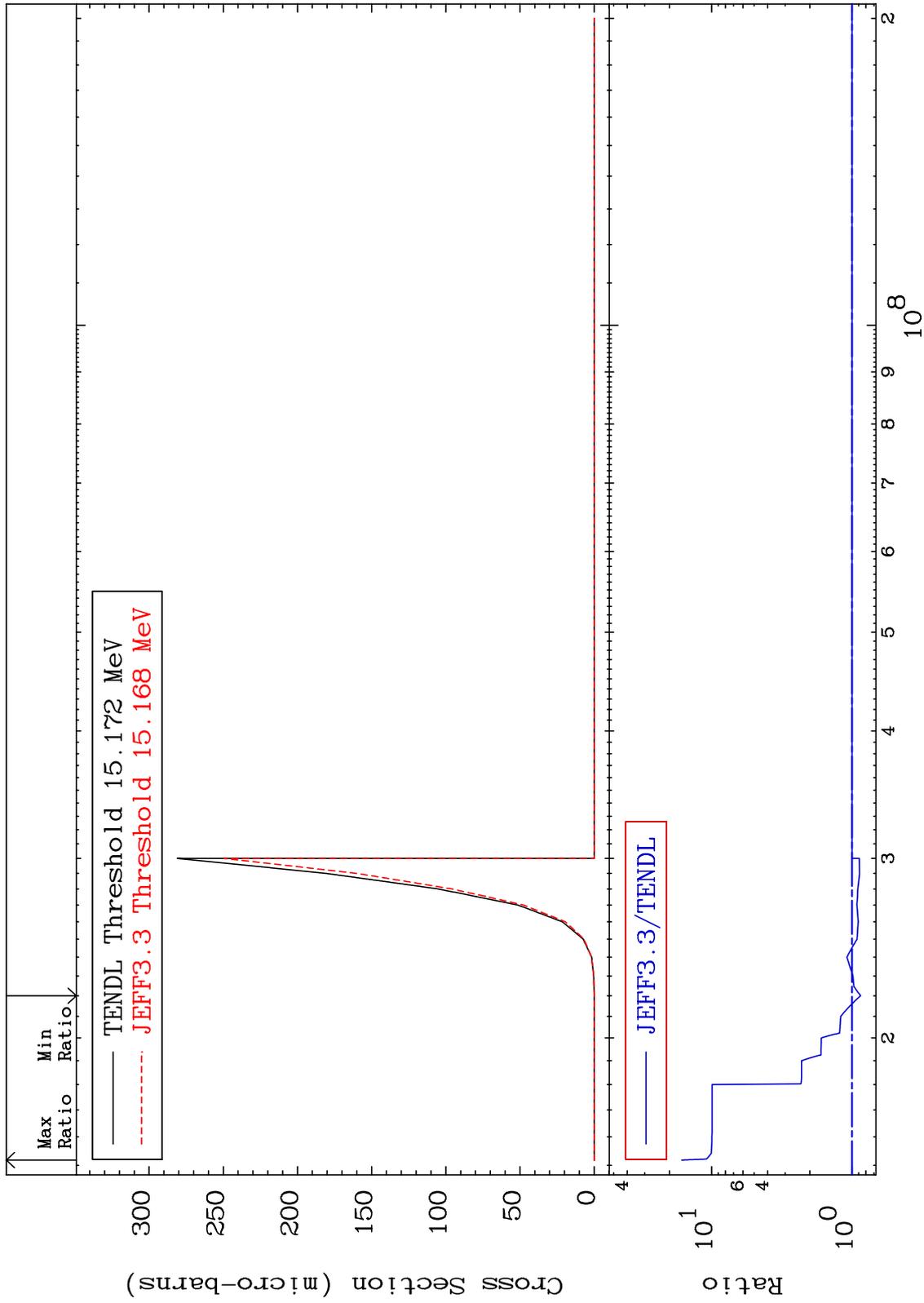
43-Tc-97
0.000 To 9999. %



MAT 4319

(n,2n) p
Cross Section

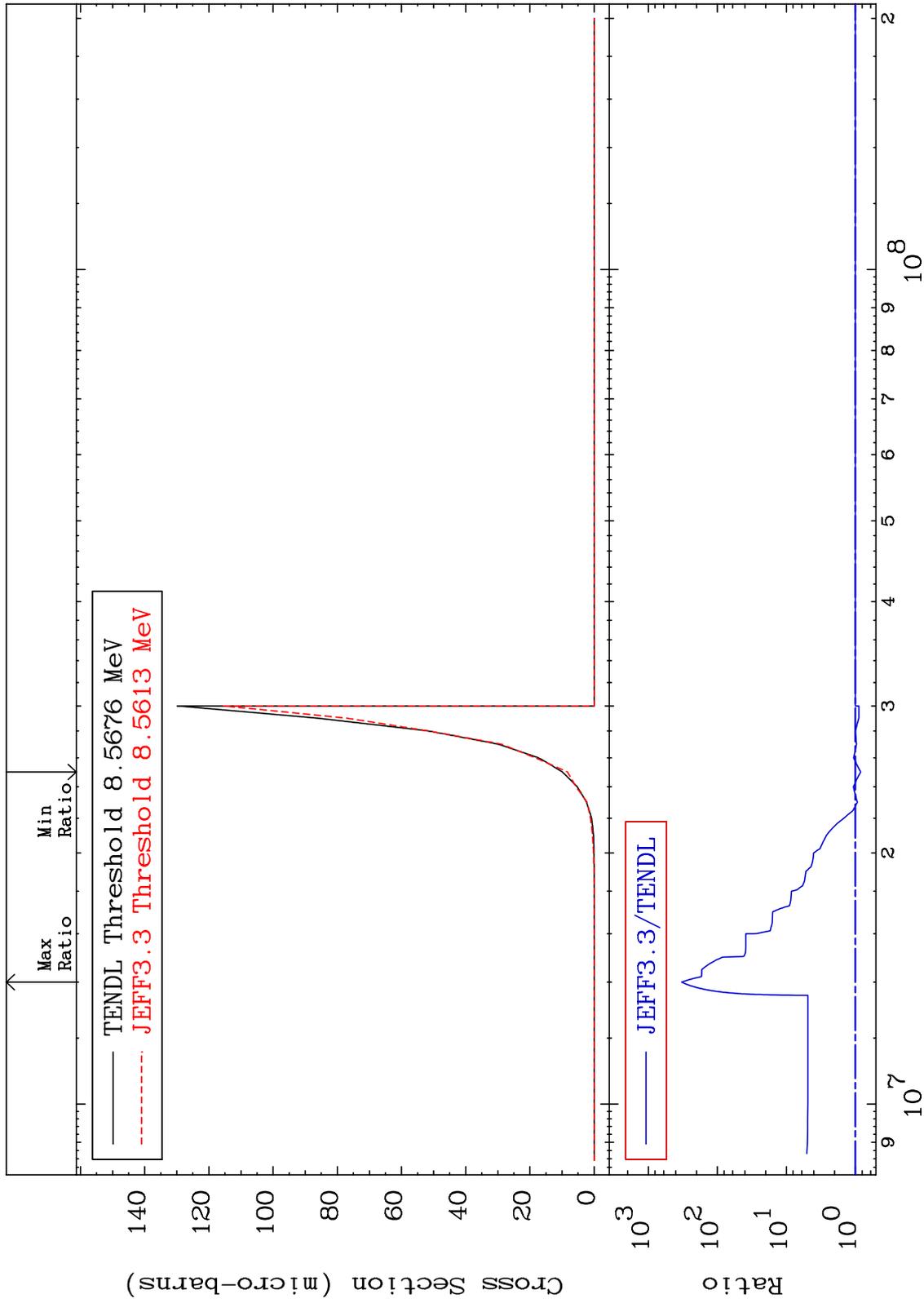
43-Tc-97
-13.01 To 1535. %



MAT 4319

(n, n') p α
Cross Section

43-Tc-97
-16.03 To 9999. %



19

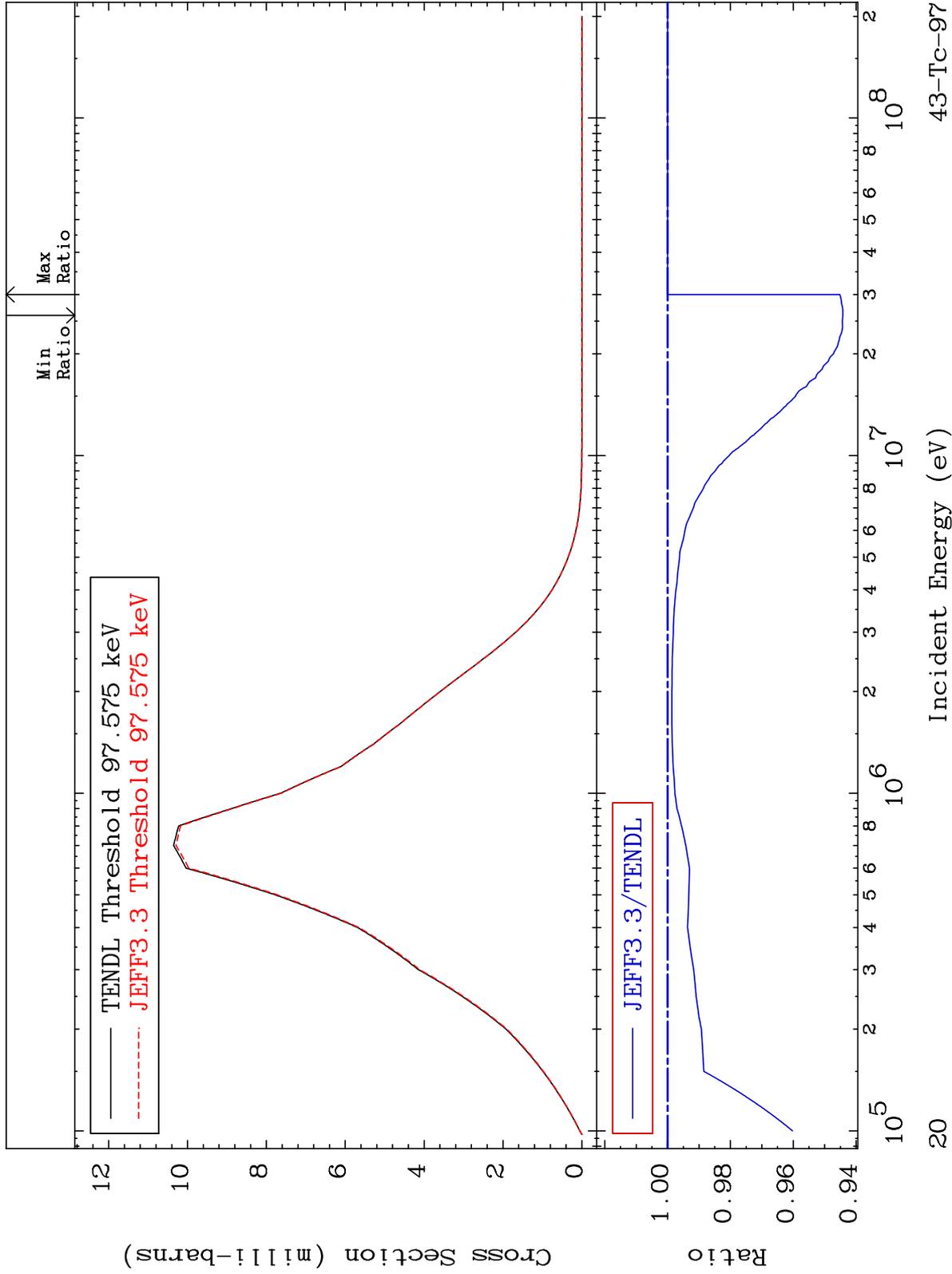
Incident Energy (eV)

43-Tc-97

MAT 4319

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

43-Tc-97
-5.580 To 0.000 %



43-Tc-97

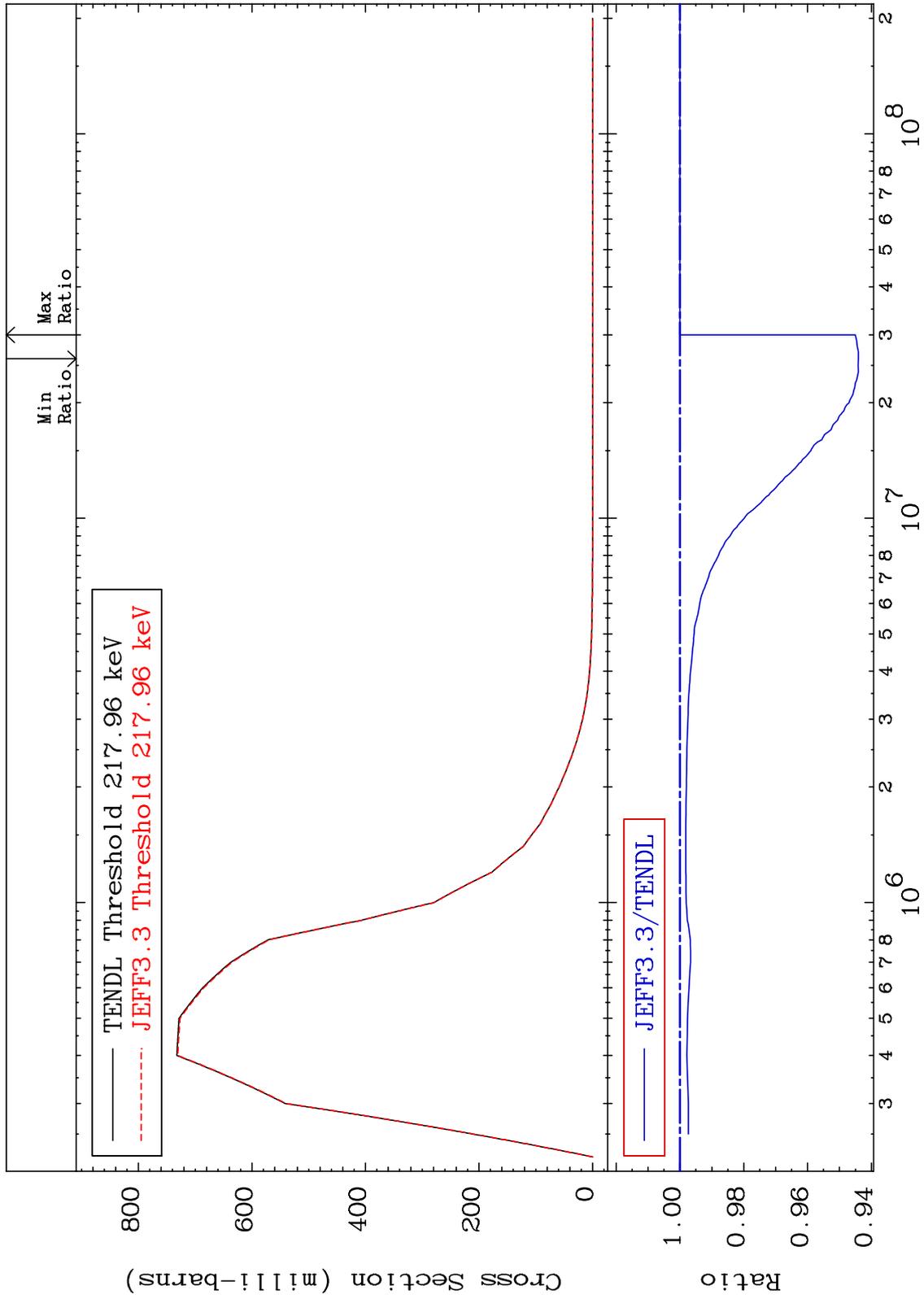
Incident Energy (eV)

20

MAT 4319

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

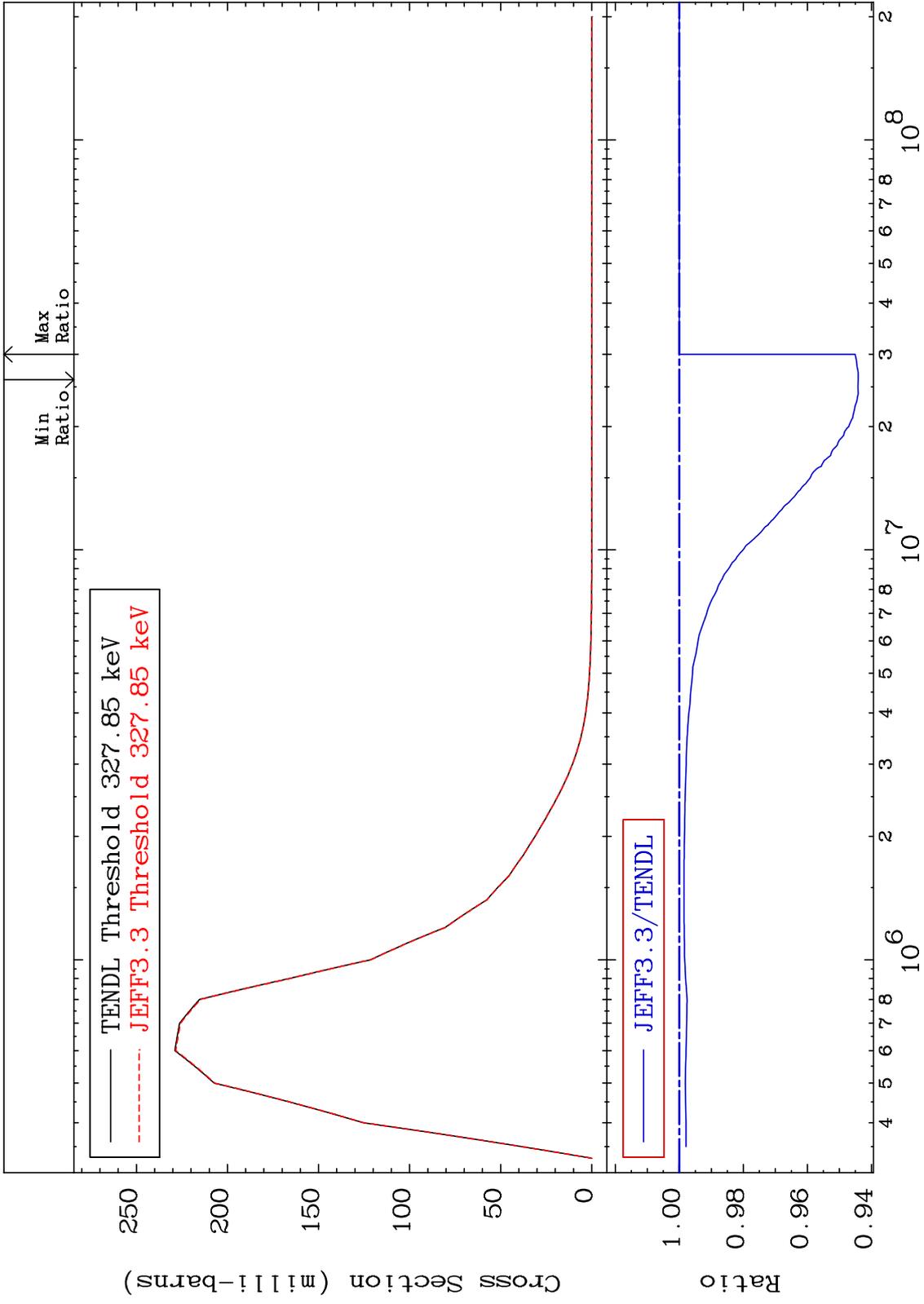
43-Tc-97
-5.594 To 0.000 %



MAT 4319

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

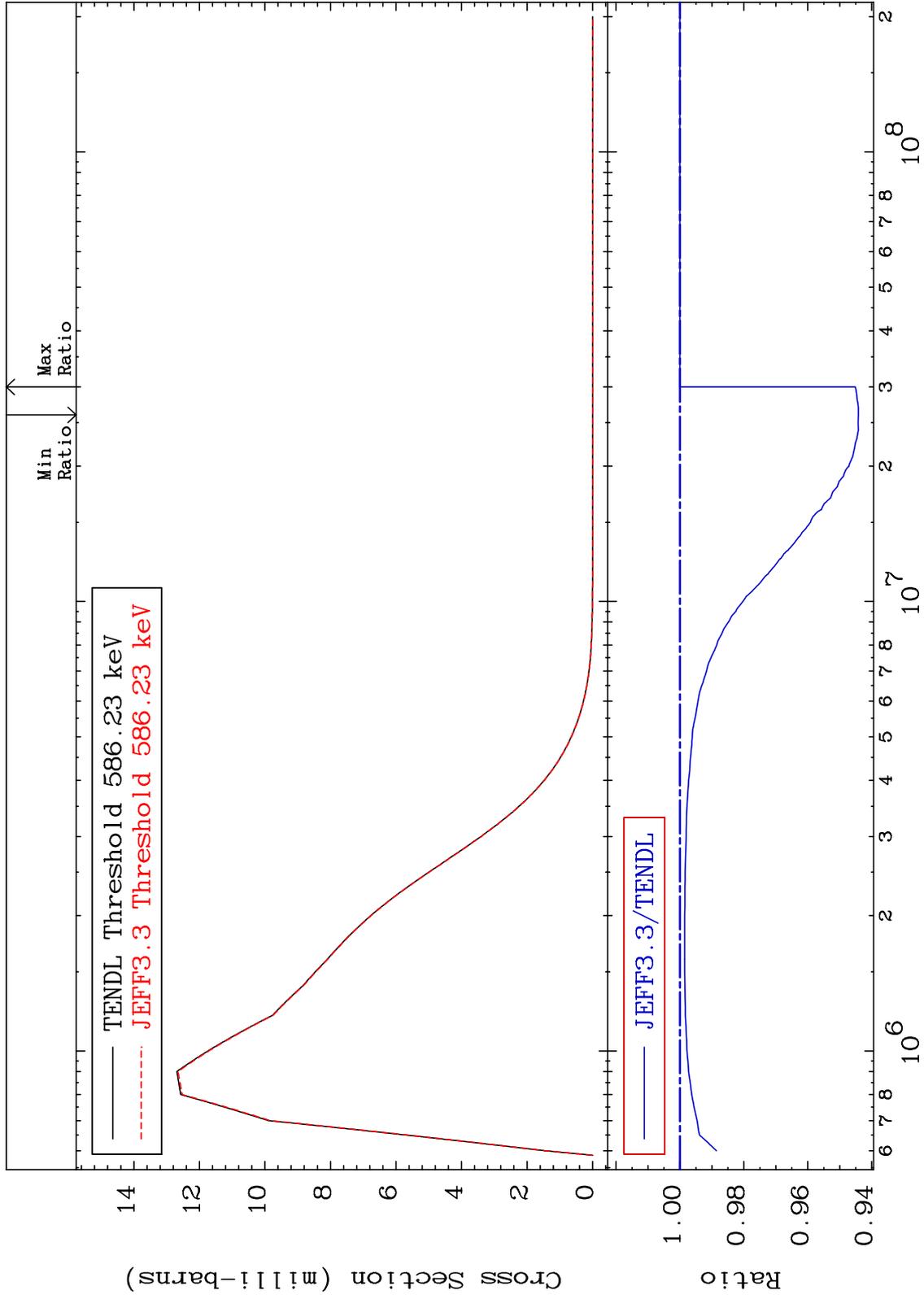
43-Tc-97
-5.587 To 0.000 %



MAT 4319

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

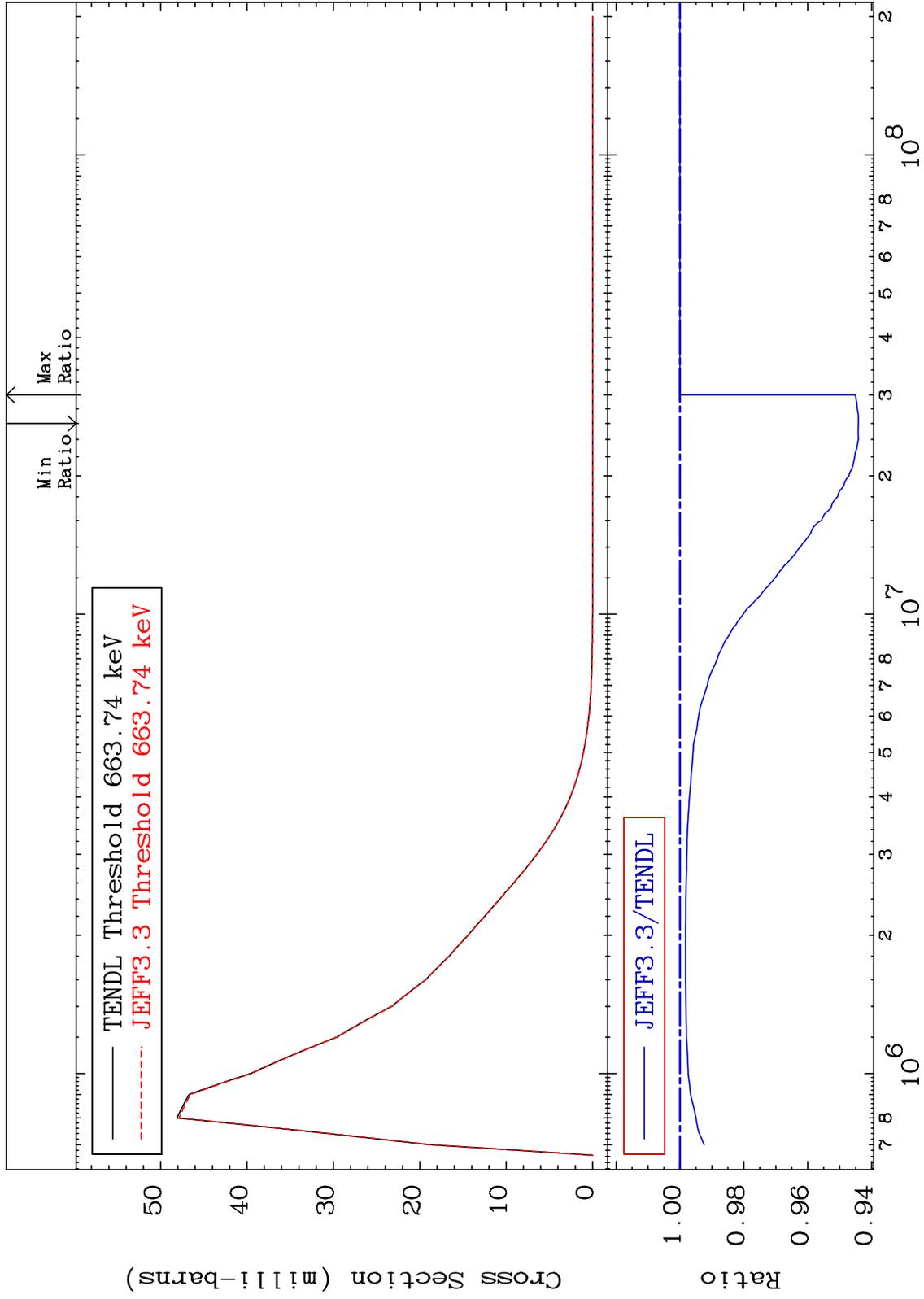
43-Tc-97
-5.582 To 0.000 %



MAT 4319

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

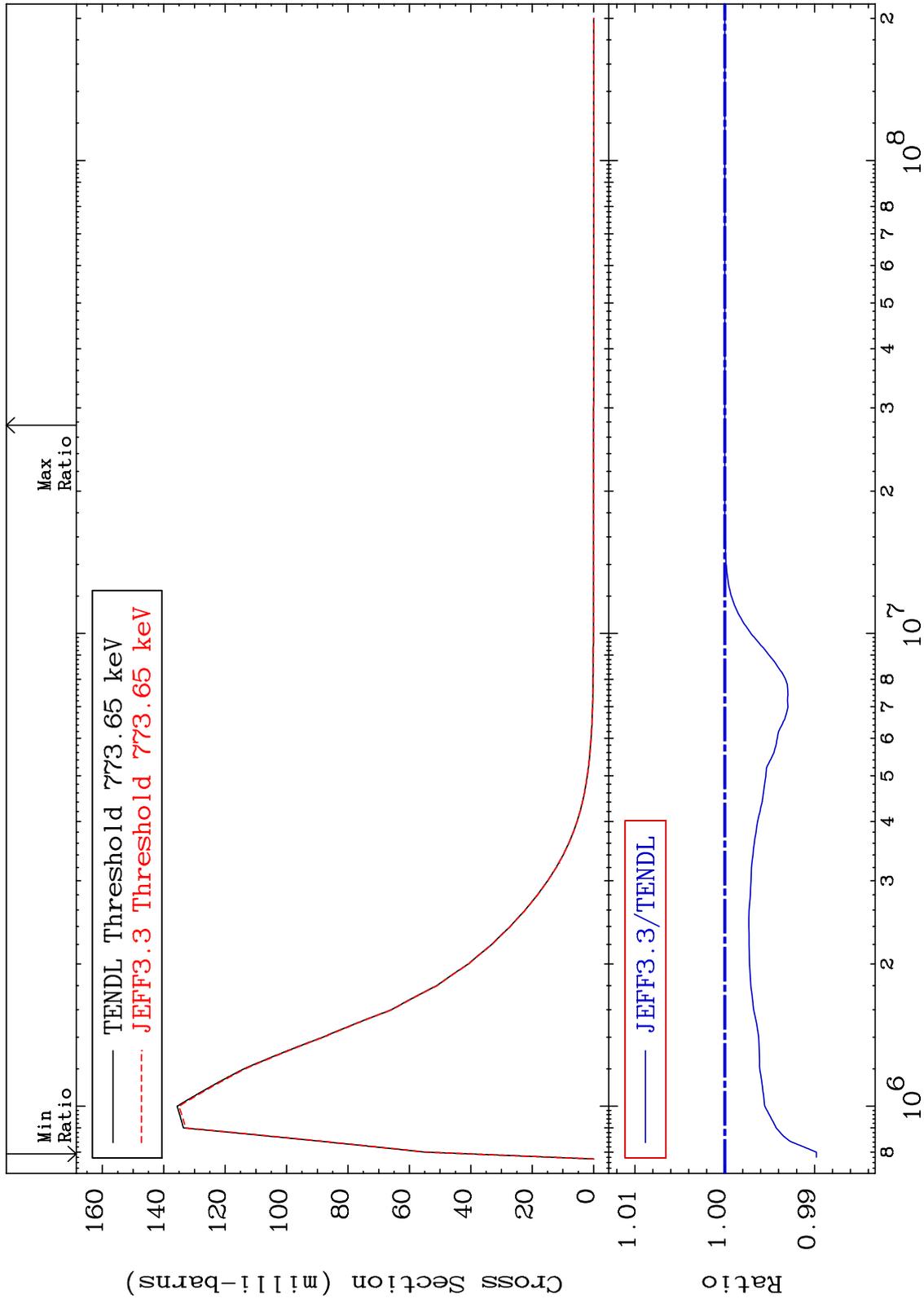
43-Tc-97
-5.587 To 0.000 %



MAT 4319

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

43-Tc-97
-1.020 To 0.000 %



25

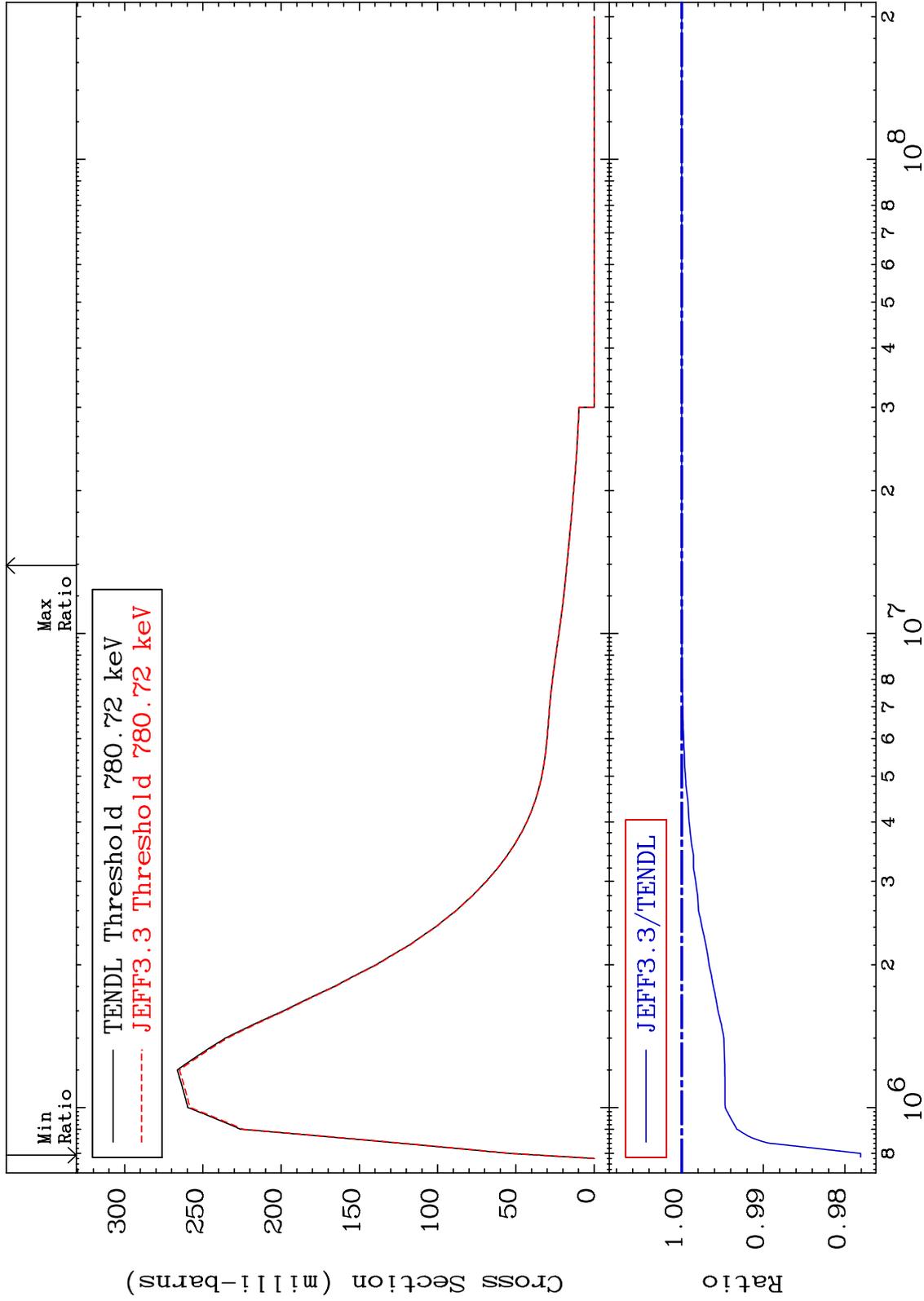
43-Tc-97

43-Tc-97

MAT 4319

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

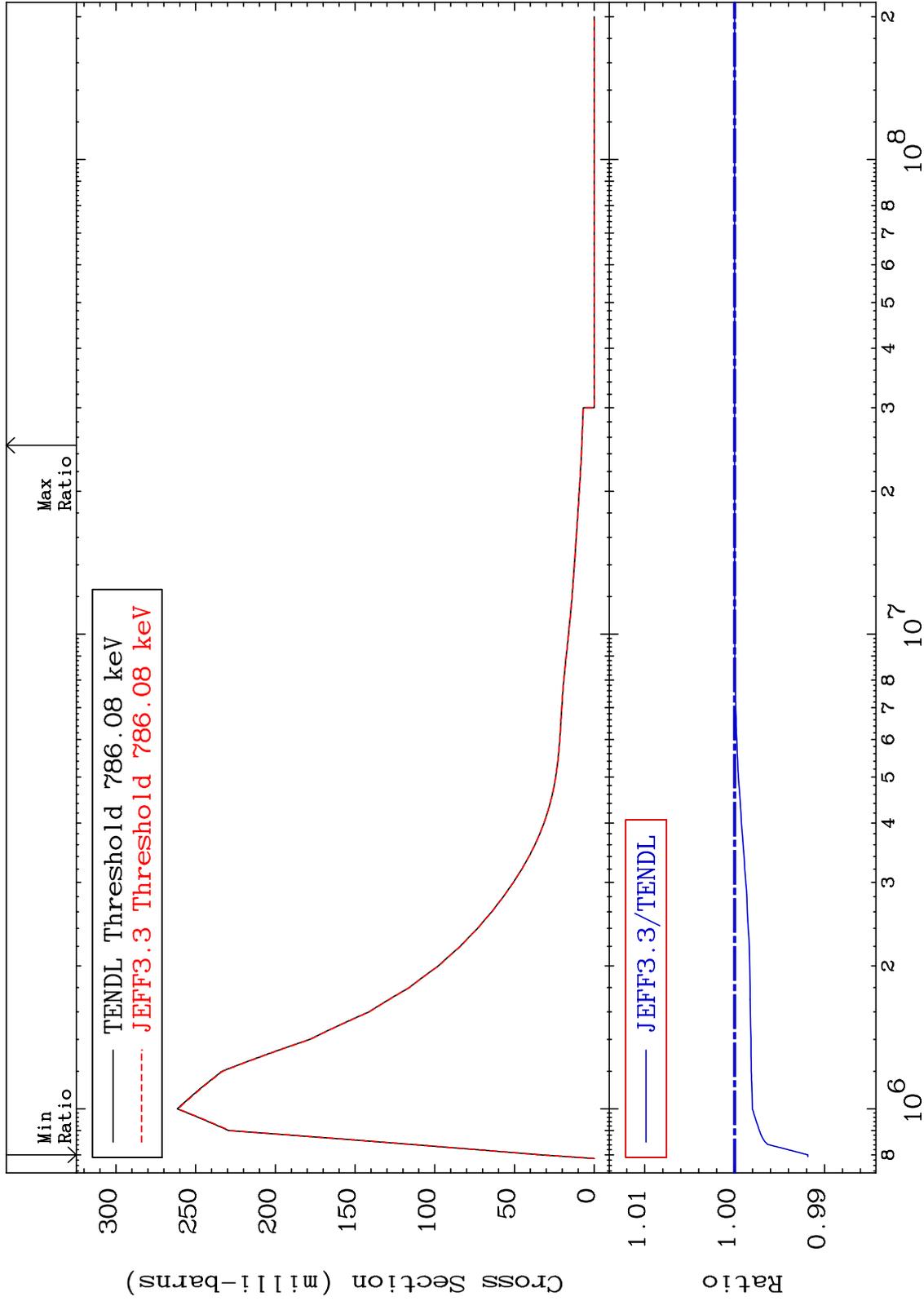
43-Tc-97
-2.192 To 0.000 %



MAT 4319

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

43-Tc-97
-0.815 To 0.000 %



27

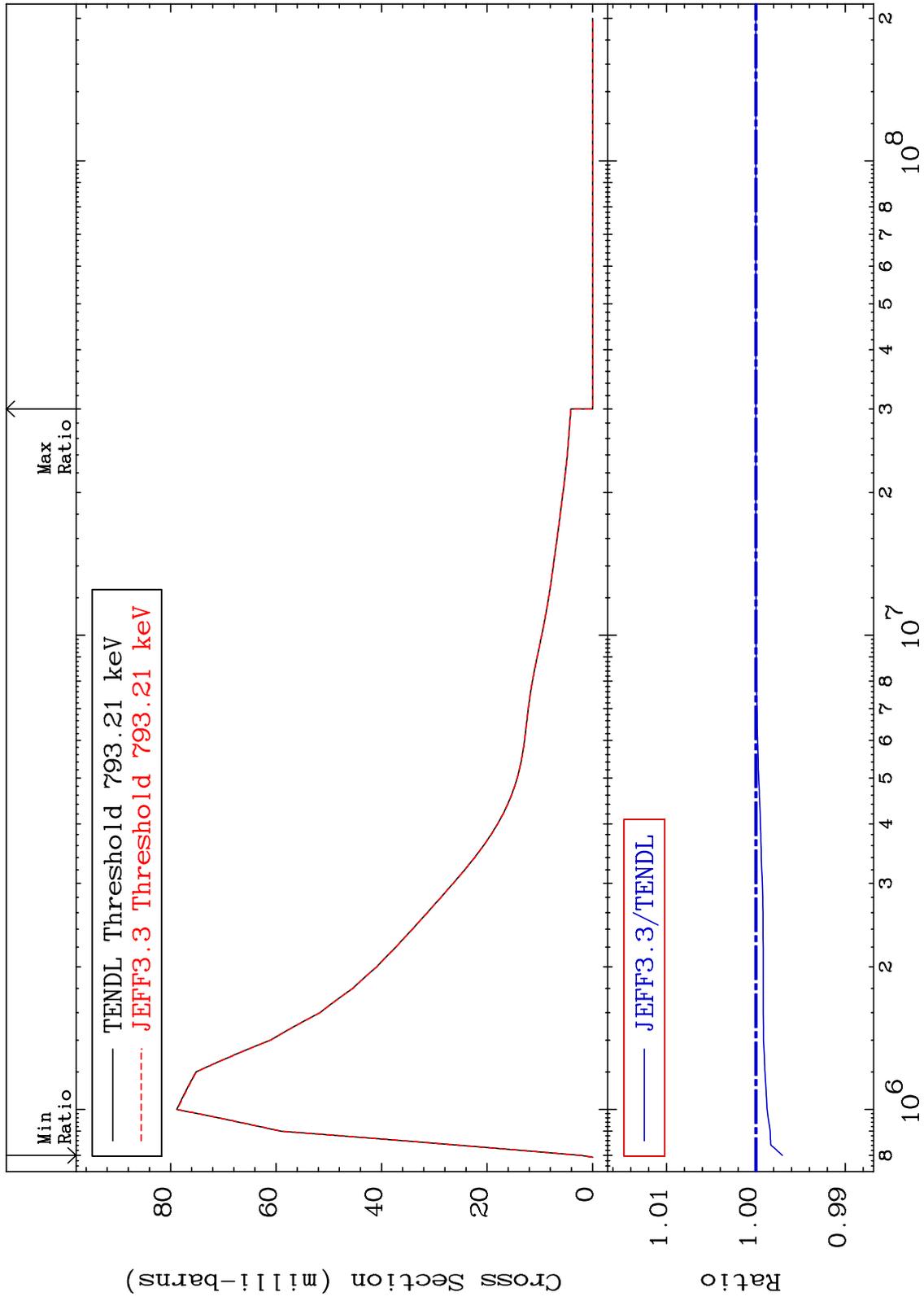
43-Tc-97

43-Tc-97

MAT 4319

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

43-Tc-97
-0.297 To 0.000 %



28

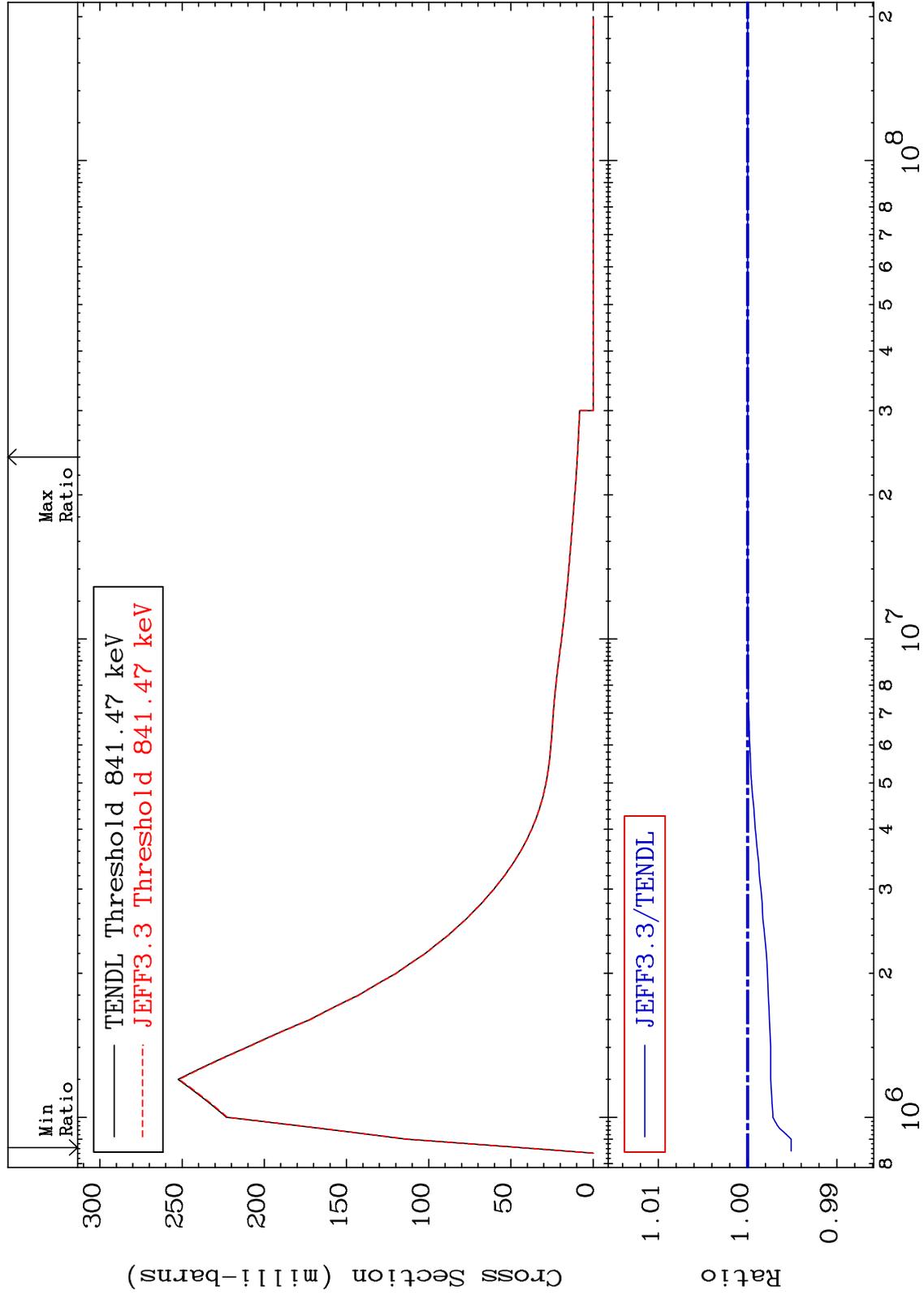
Incident Energy (eV)

43-Tc-97

MAT 4319

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

43-Tc-97
-0.489 To 0.000 %



29

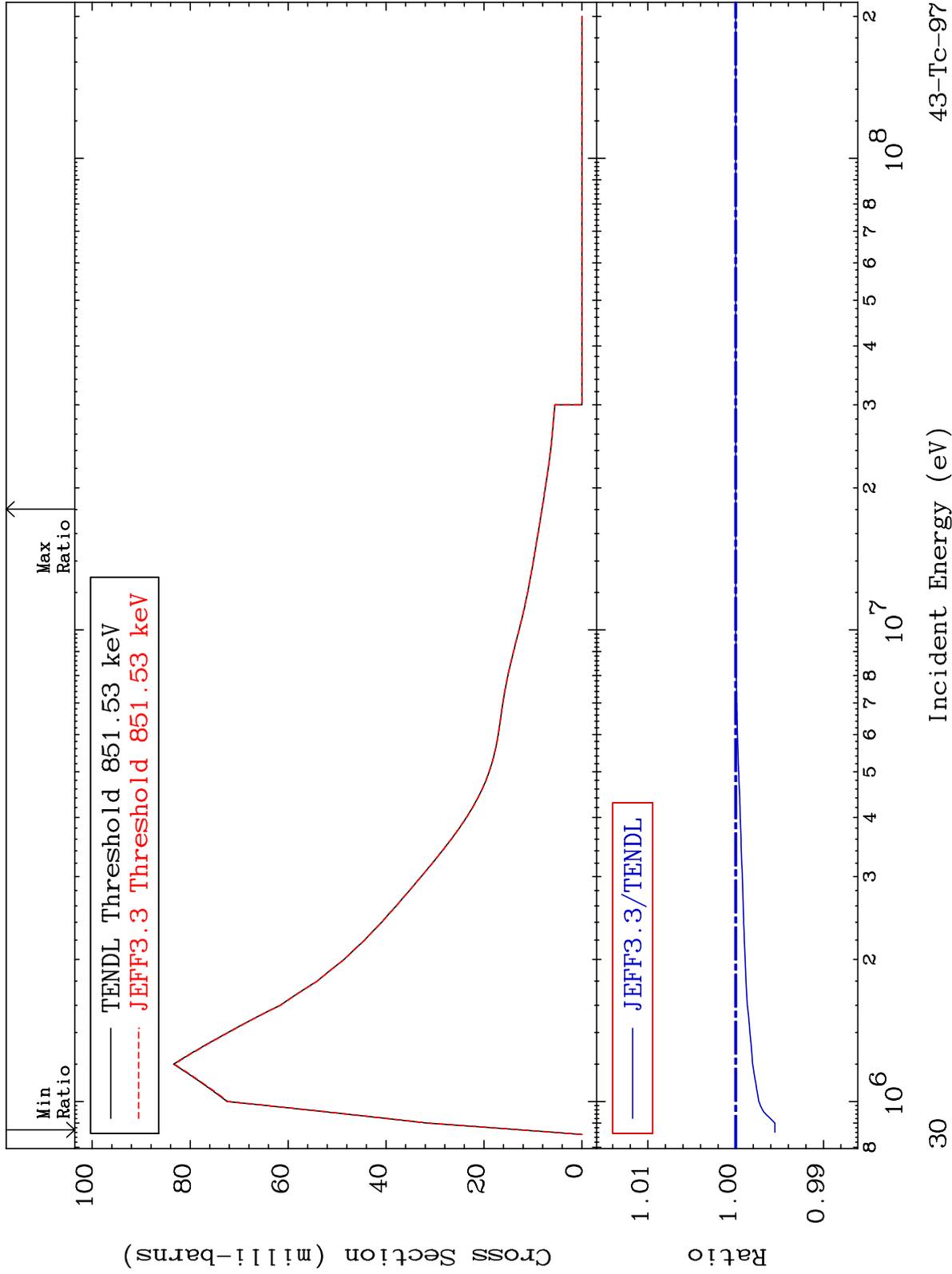
Incident Energy (eV)

43-Tc-97

MAT 4319

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

43-Tc-97
-0.447 To 0.000 %



43-Tc-97

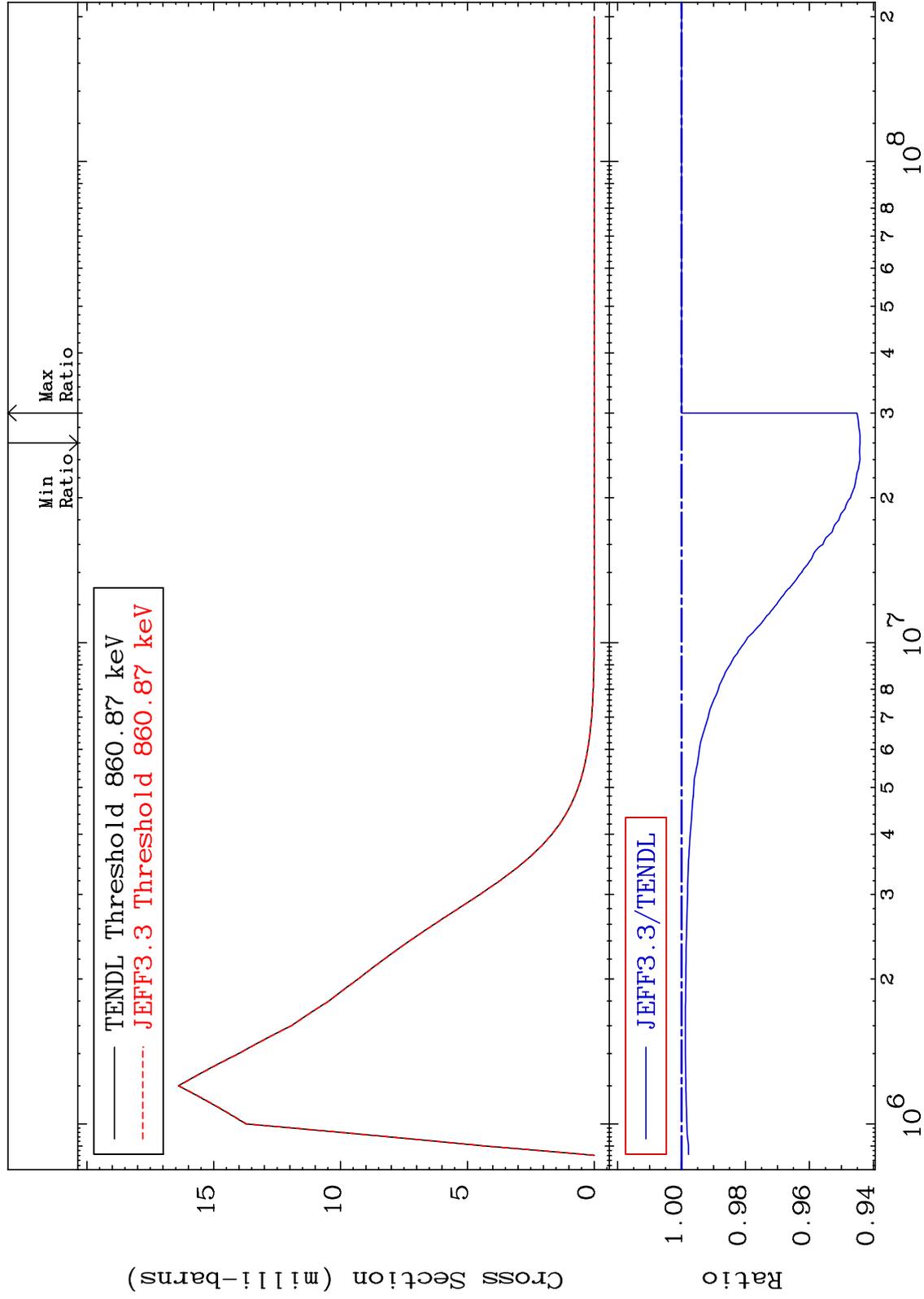
Incident Energy (eV)

30

MAT 4319

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

43-Tc-97
-5.582 To 0.000 %



31

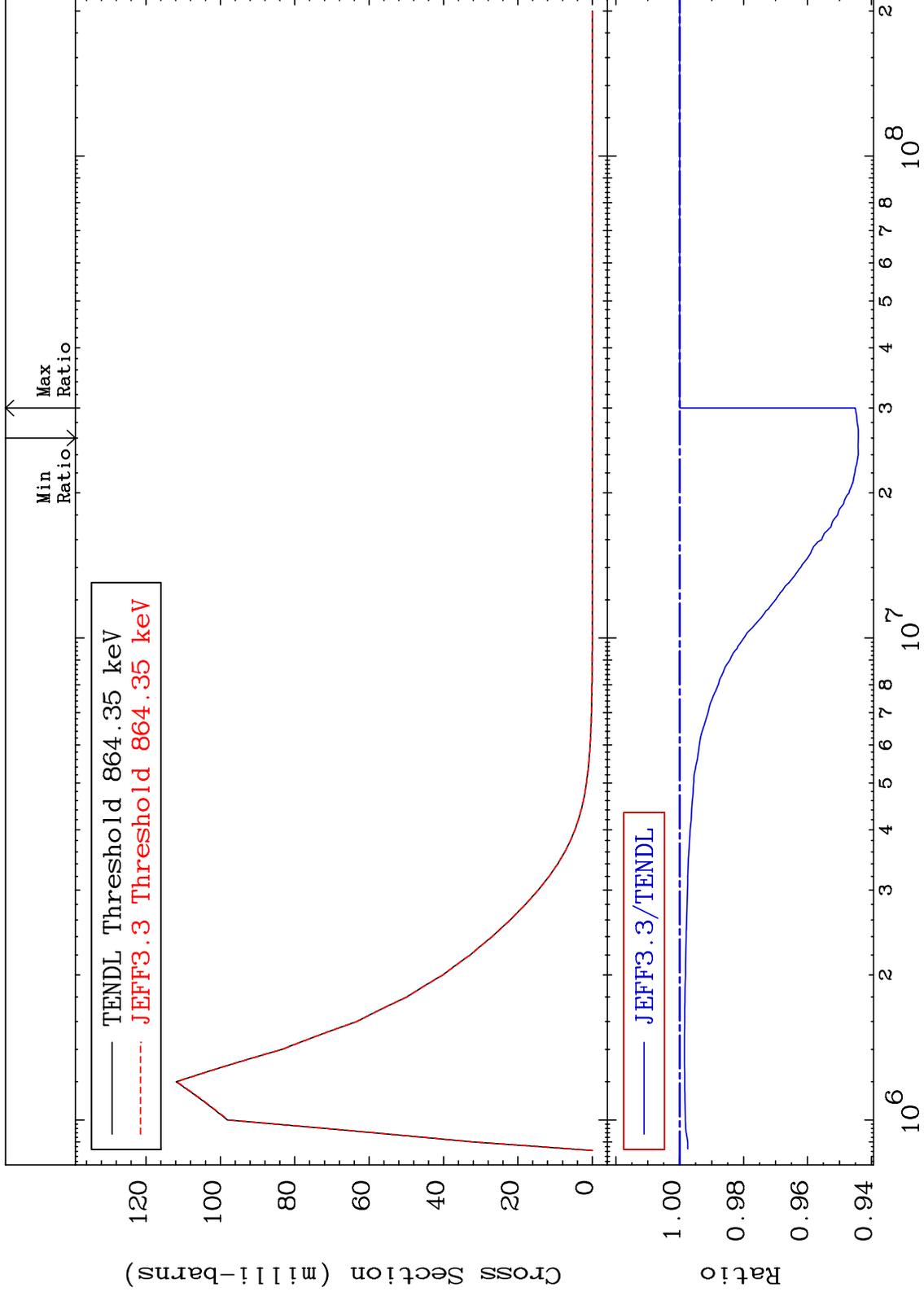
Incident Energy (eV)

43-Tc-97

MAT 4319

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

43-Tc-97
-5.593 To 0.000 %



32

Incident Energy (eV)

43-Tc-97

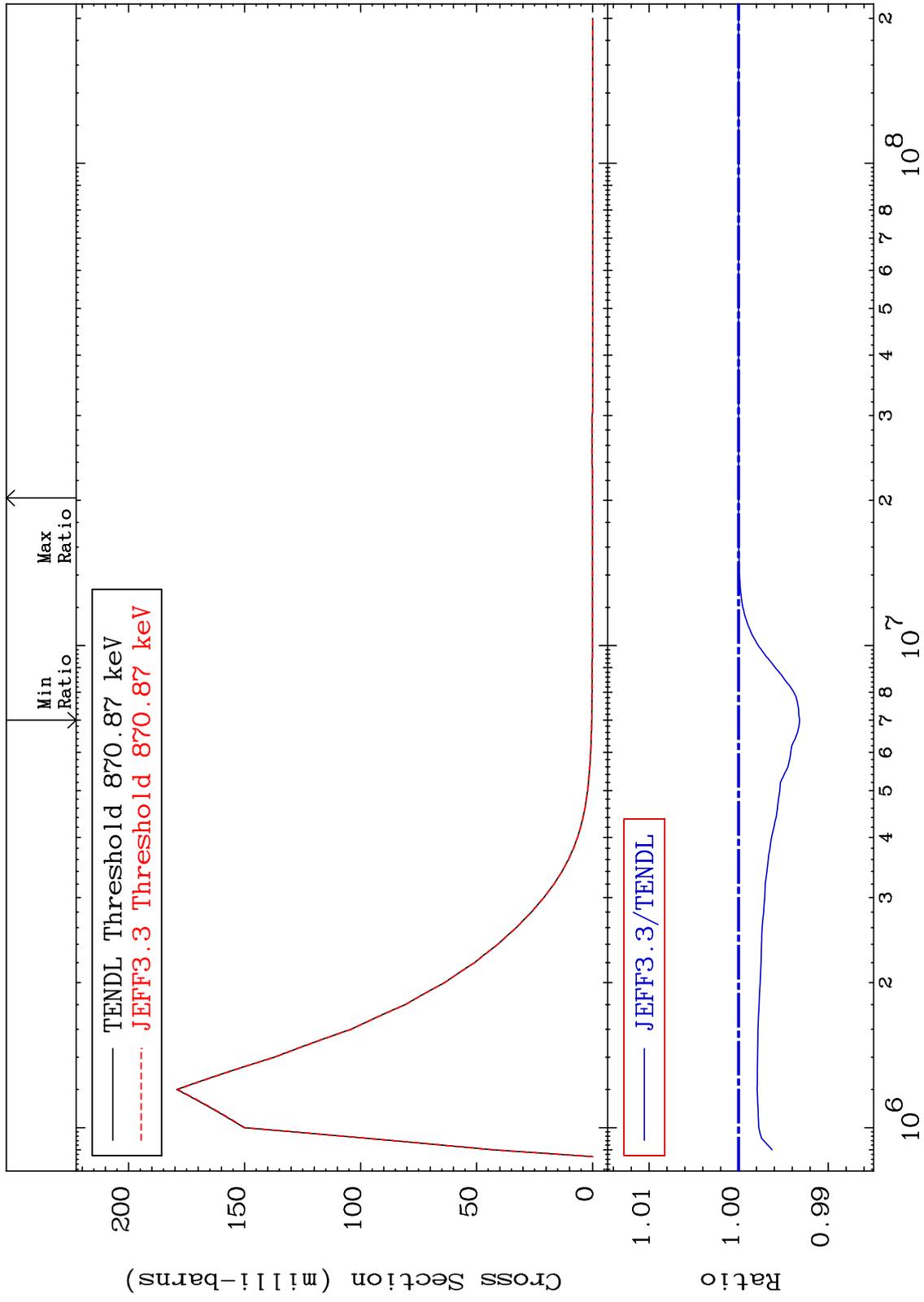
MAT 4319

MT= 64 (n,n') Level

43-Tc-97

-0.683 To 0.000 %

Cross Section



33

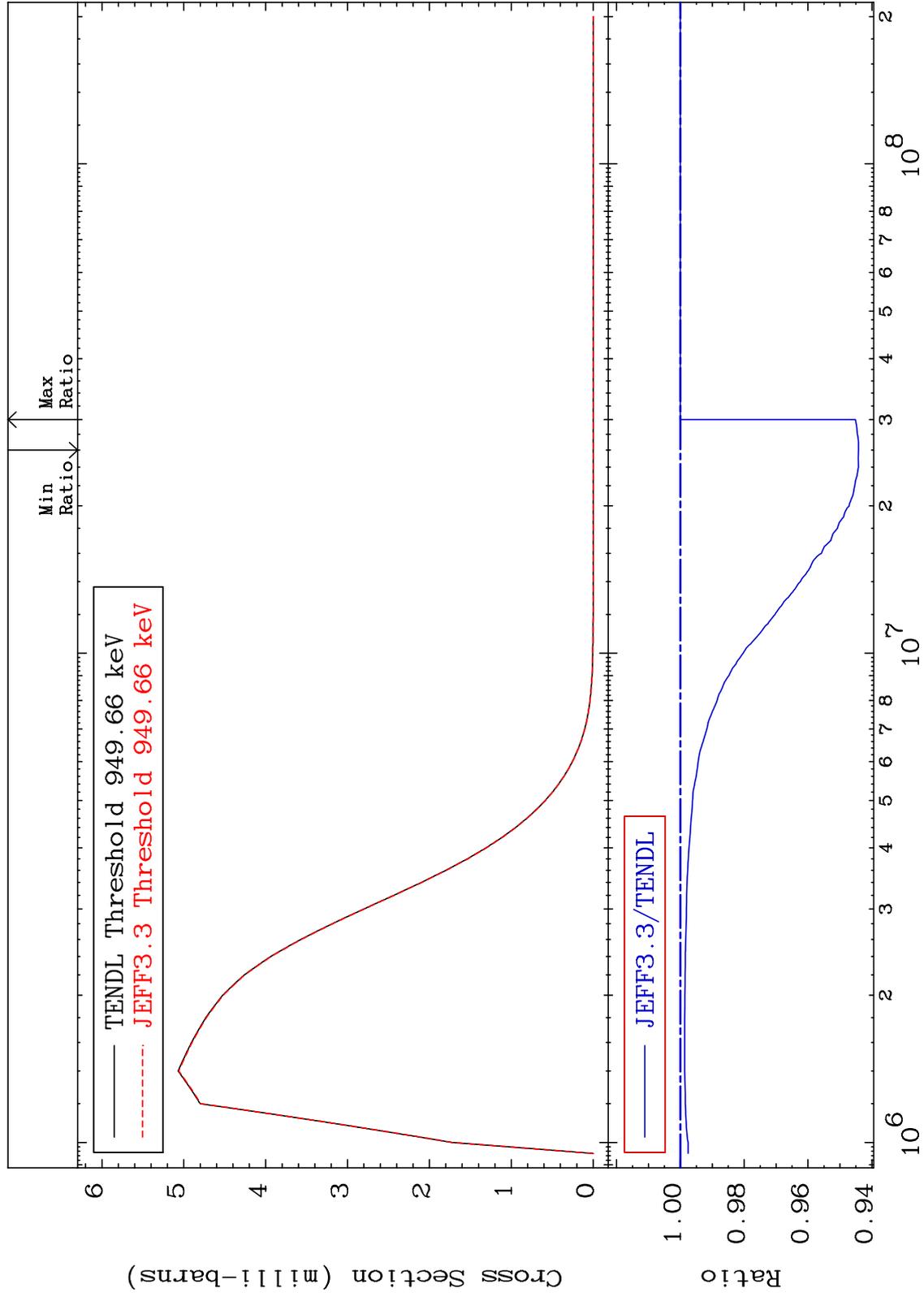
Incident Energy (eV)

43-Tc-97

MAT 4319

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

43-Tc-97
-5.582 To 0.000 %



34

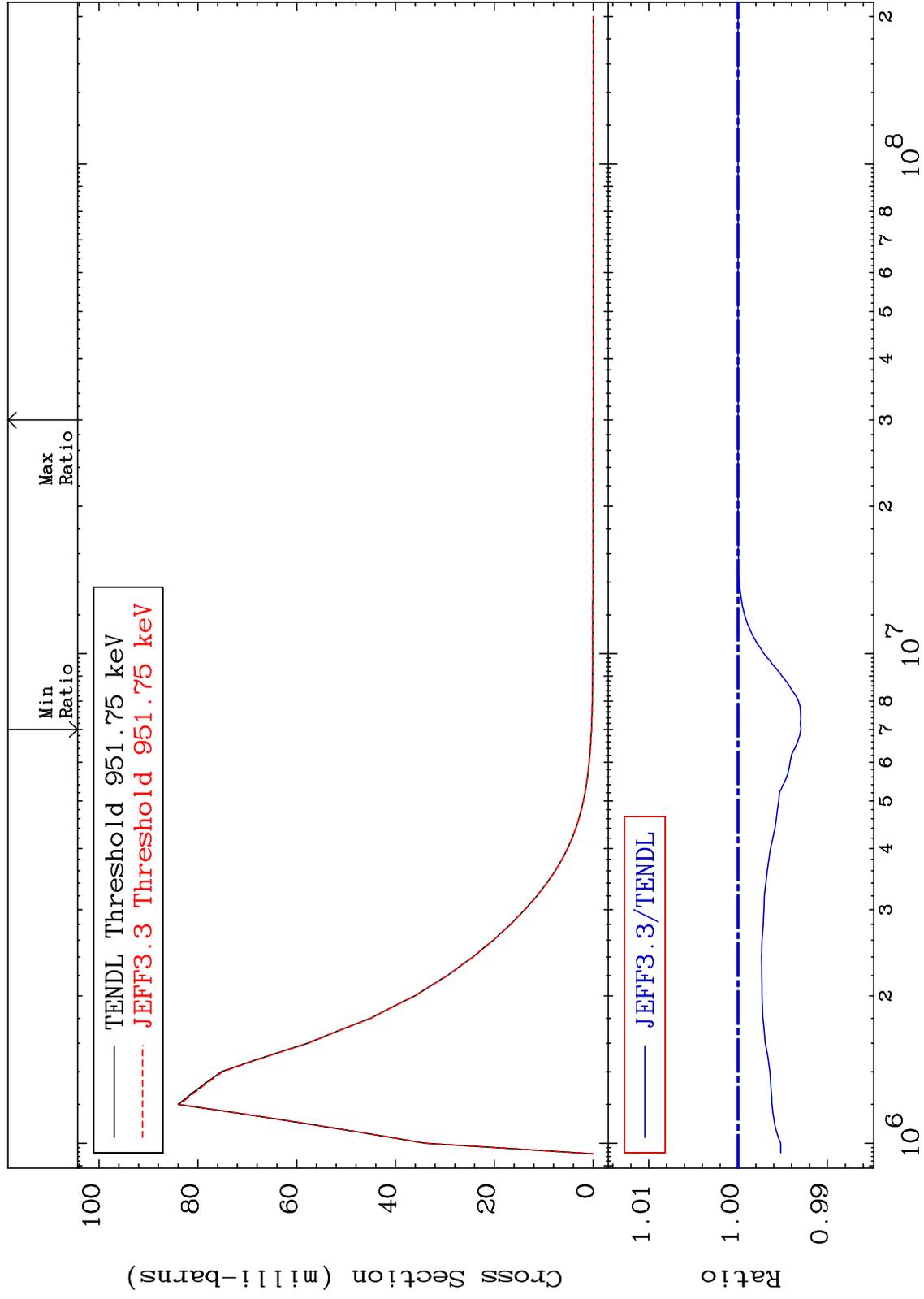
Incident Energy (eV)

43-Tc-97

MAT 4319

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

43-Tc-97
-0.703 To 0.000 %



Incident Energy (eV)

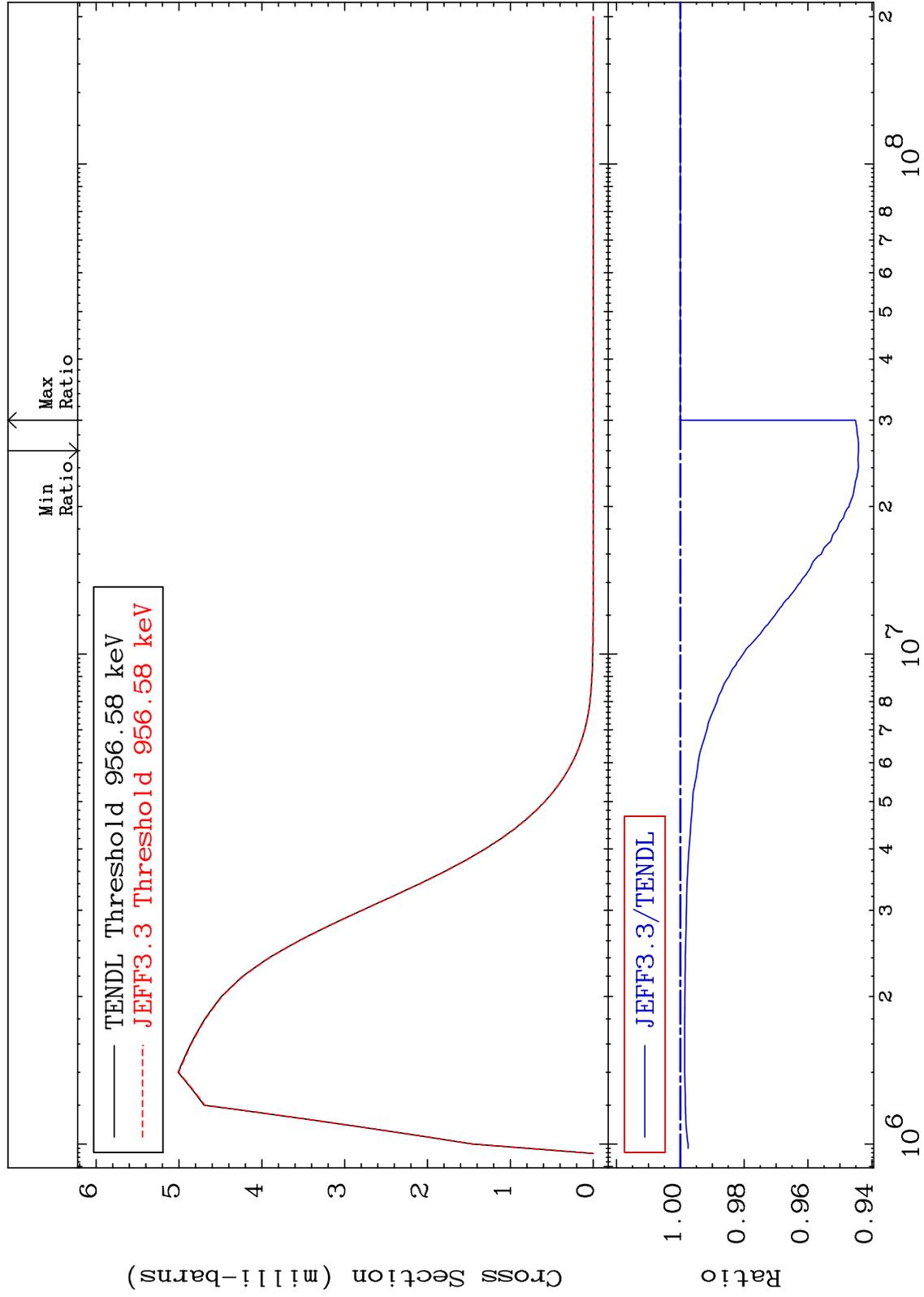
43-Tc-97

35

MAT 4319

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

43-Tc-97
-5.582 To 0.000 %



Incident Energy (eV)

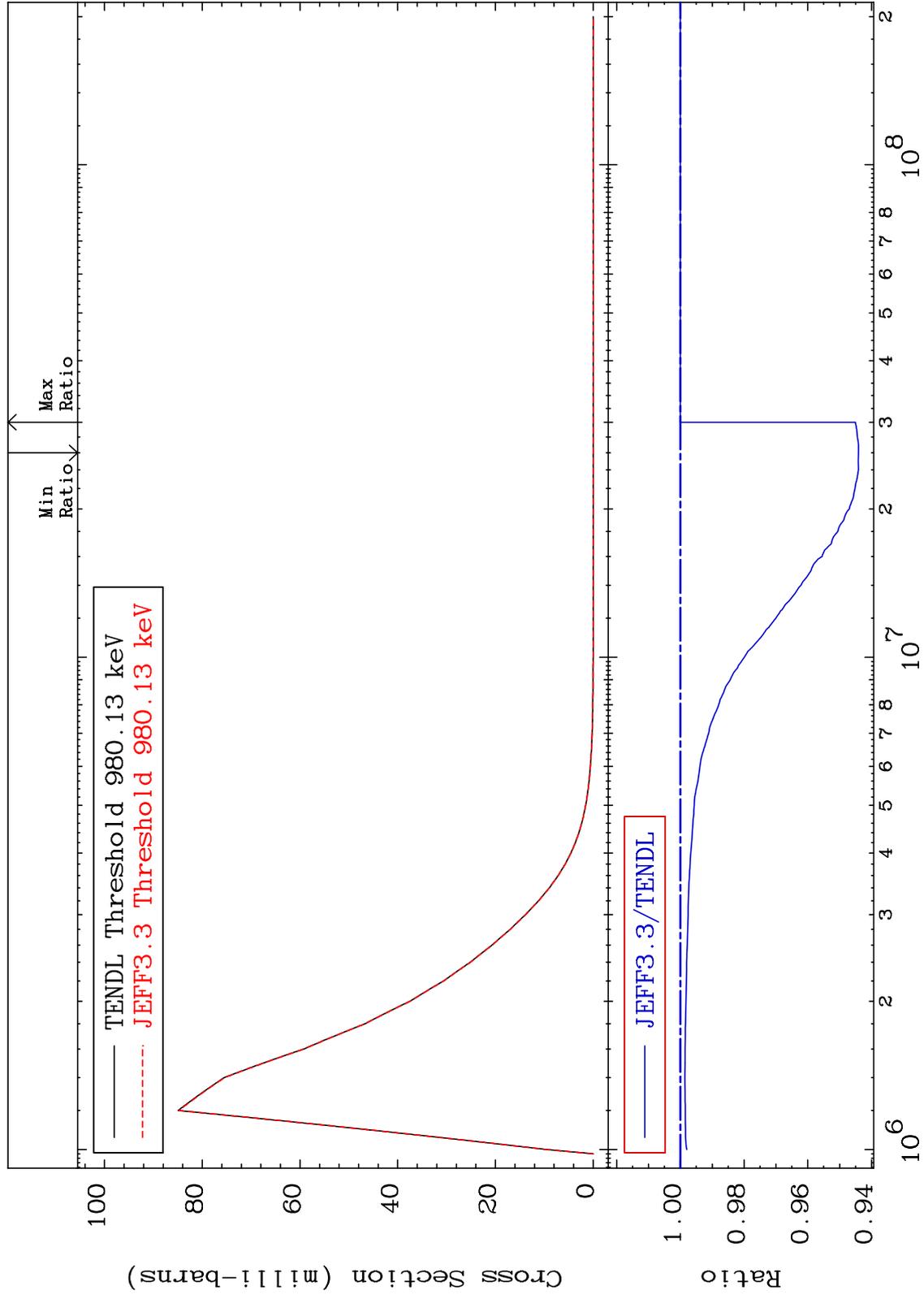
43-Tc-97

36

MAT 4319

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

43-Tc-97
-5.593 To 0.000 %



Incident Energy (eV)

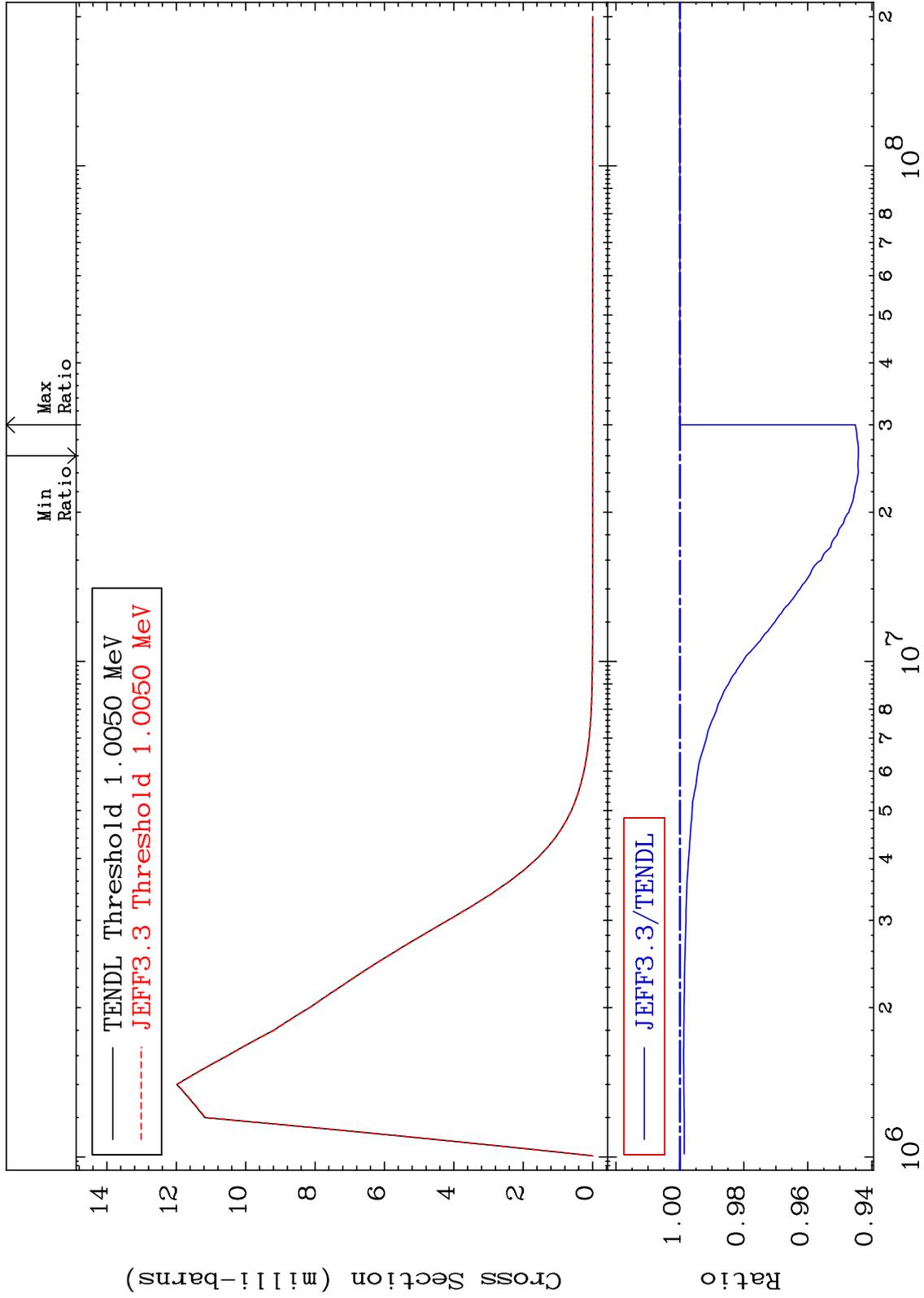
43-Tc-97

37

MAT 4319

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

43-Tc-97
-5.581 To 0.000 %



38

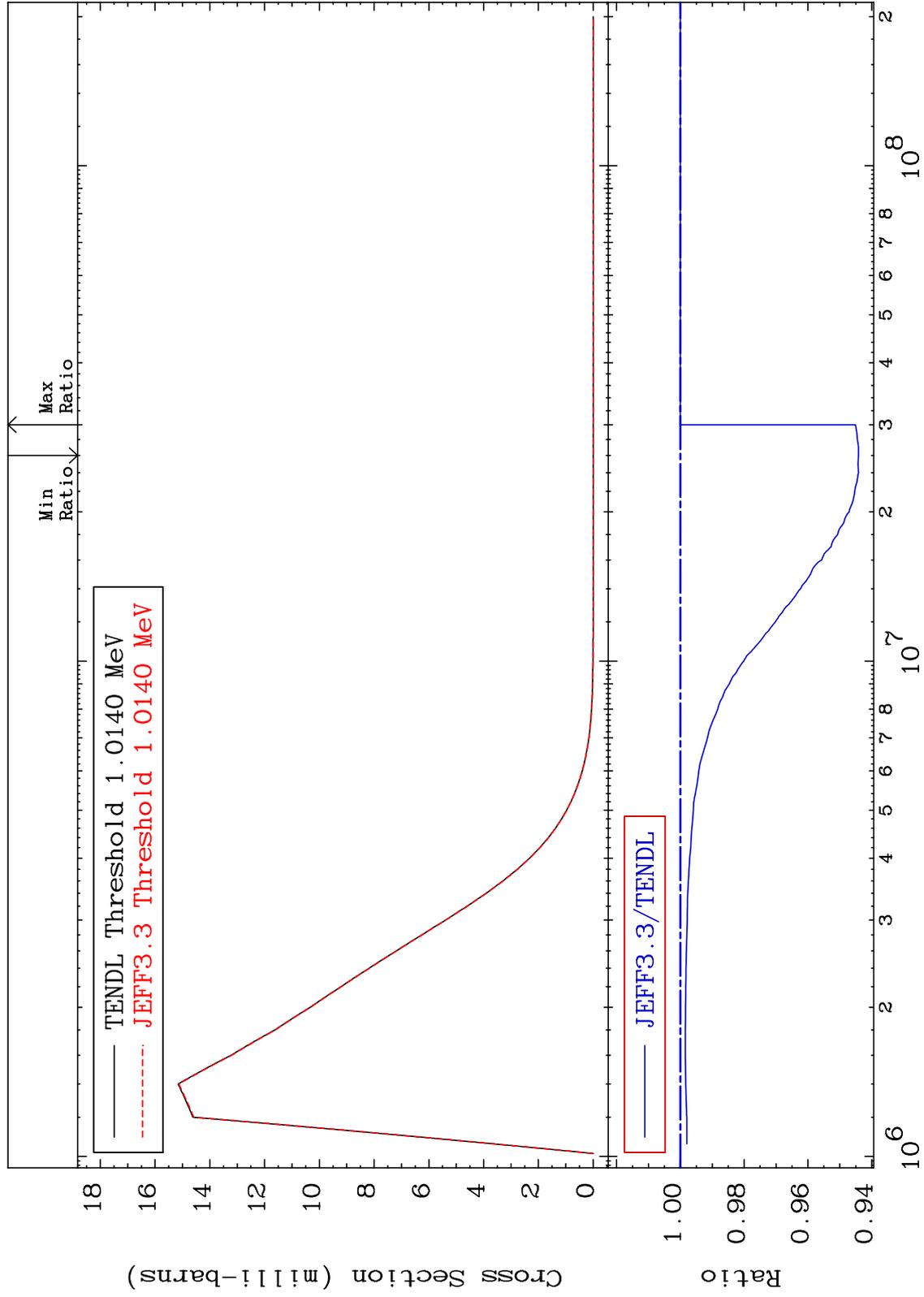
Incident Energy (eV)

43-Tc-97

MAT 4319

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

43-Tc-97
-5.586 To 0.000 %



39

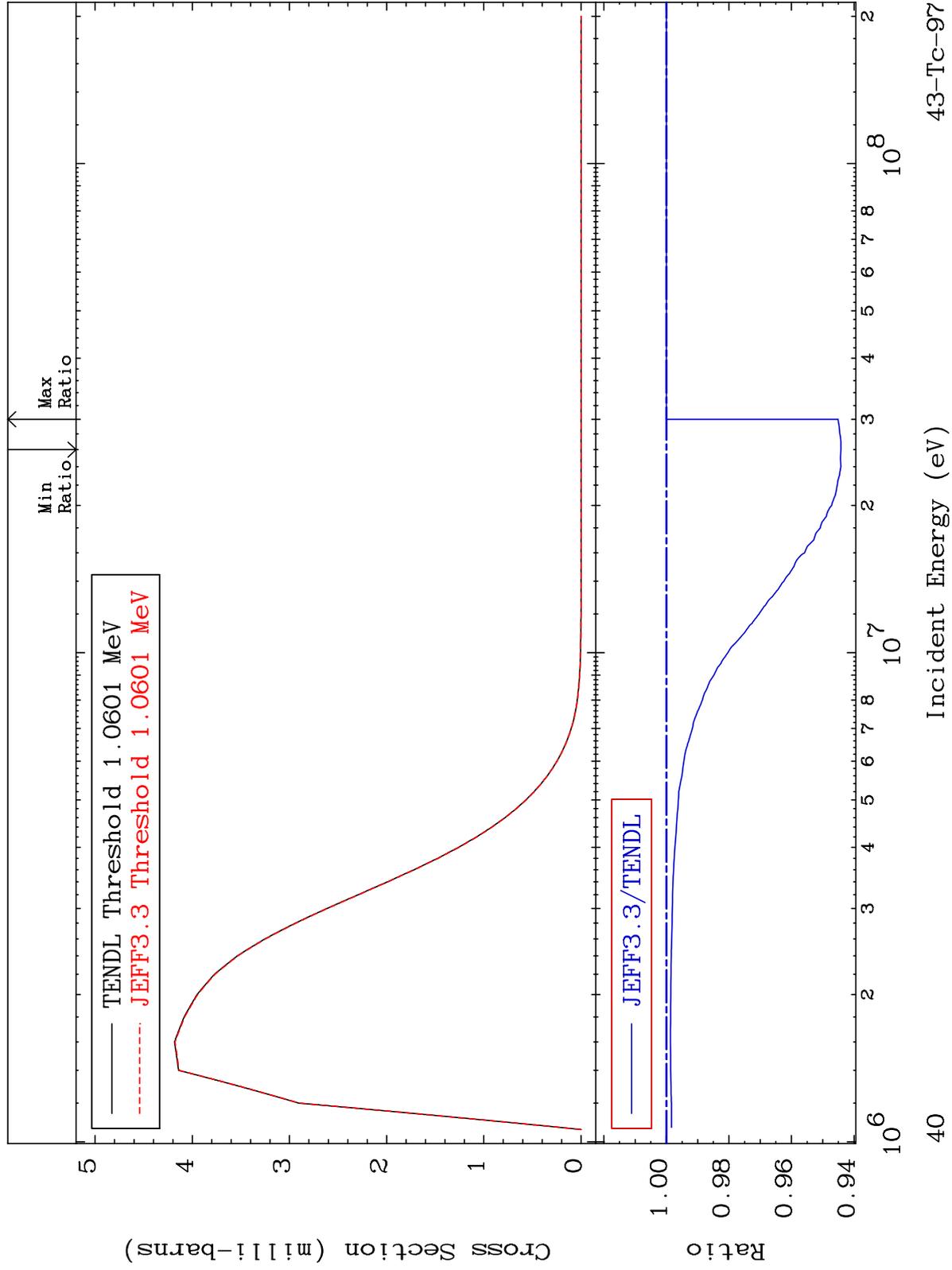
Incident Energy (eV)

43-Tc-97

MAT 4319

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

43-Tc-97
-5.581 To 0.000 %



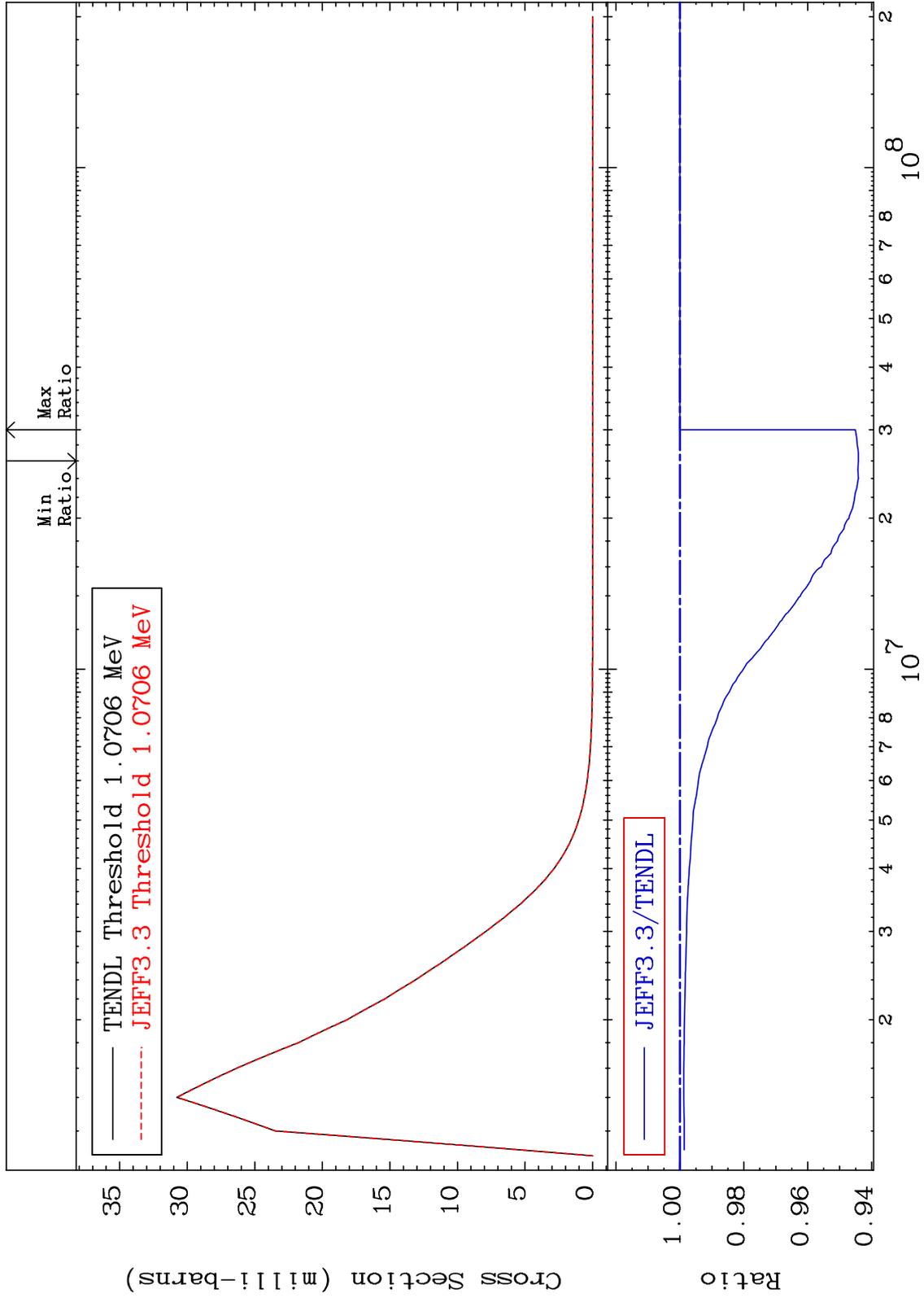
43-Tc-97

Incident Energy (eV)

MAT 4319

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

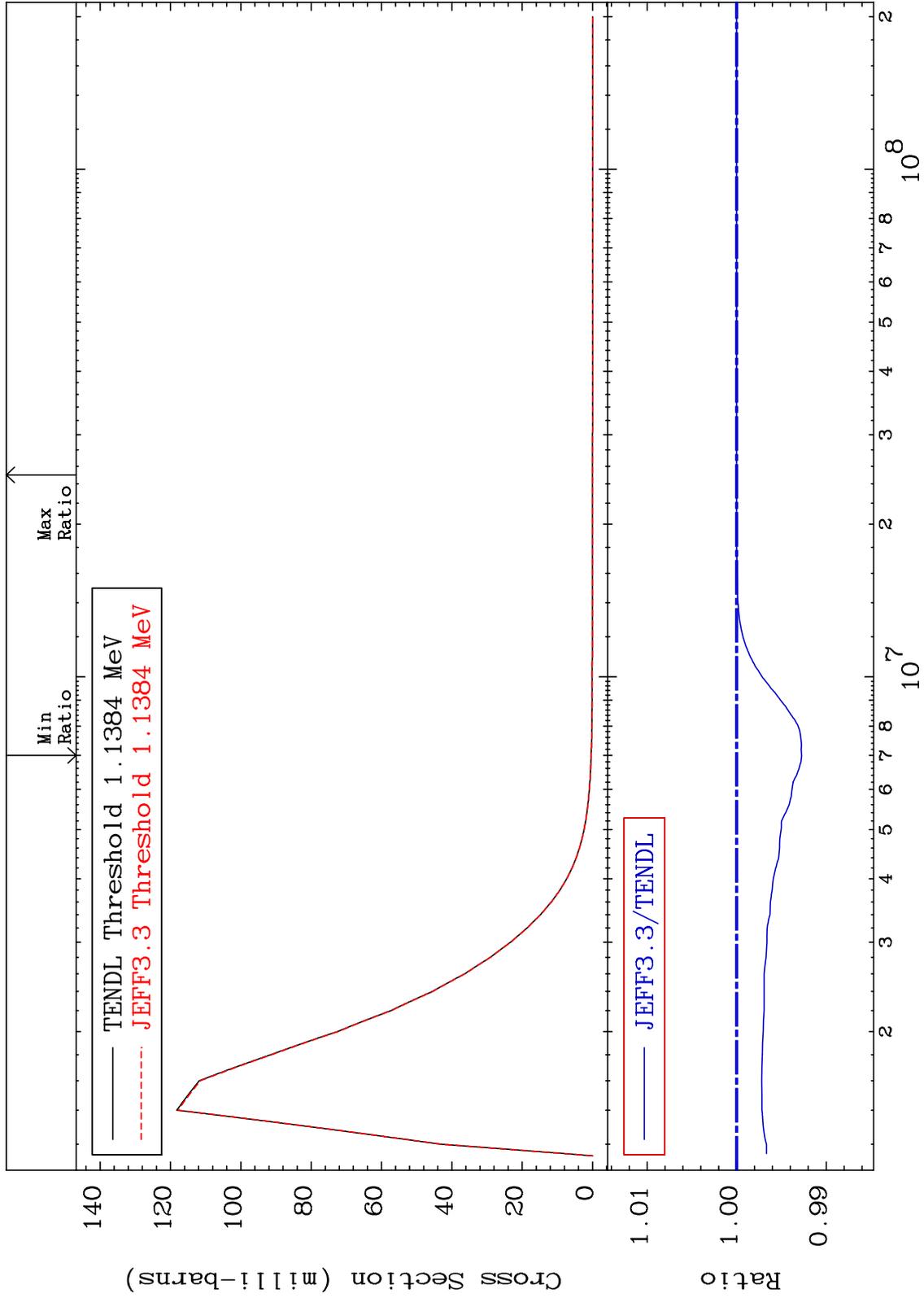
43-Tc-97
-5.586 To 0.000 %



MAT 4319

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

43-Tc-97
-0.727 To 0.000 %



42

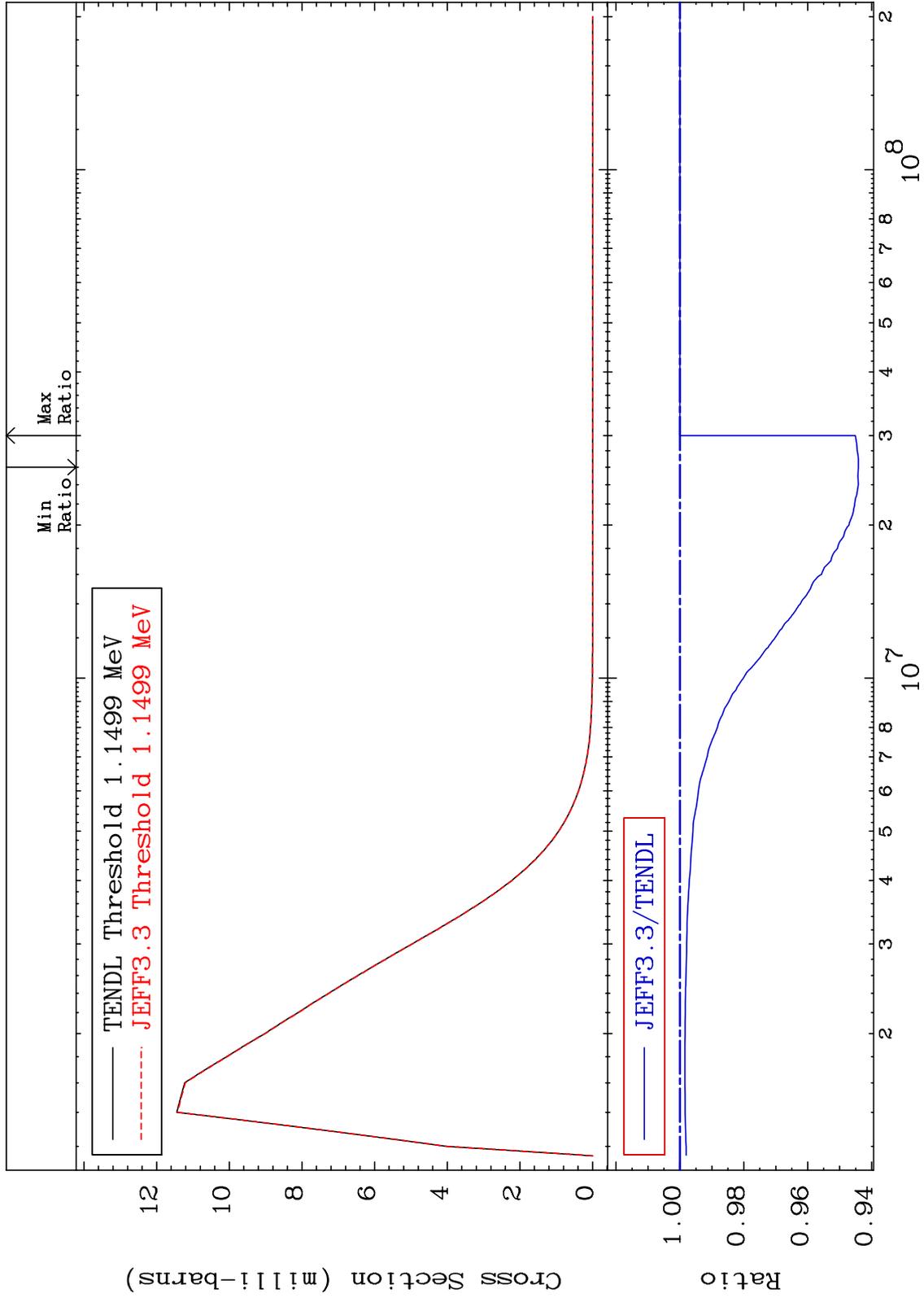
Incident Energy (eV)

43-Tc-97

MAT 4319

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

43-Tc-97
-5.586 To 0.000 %



43

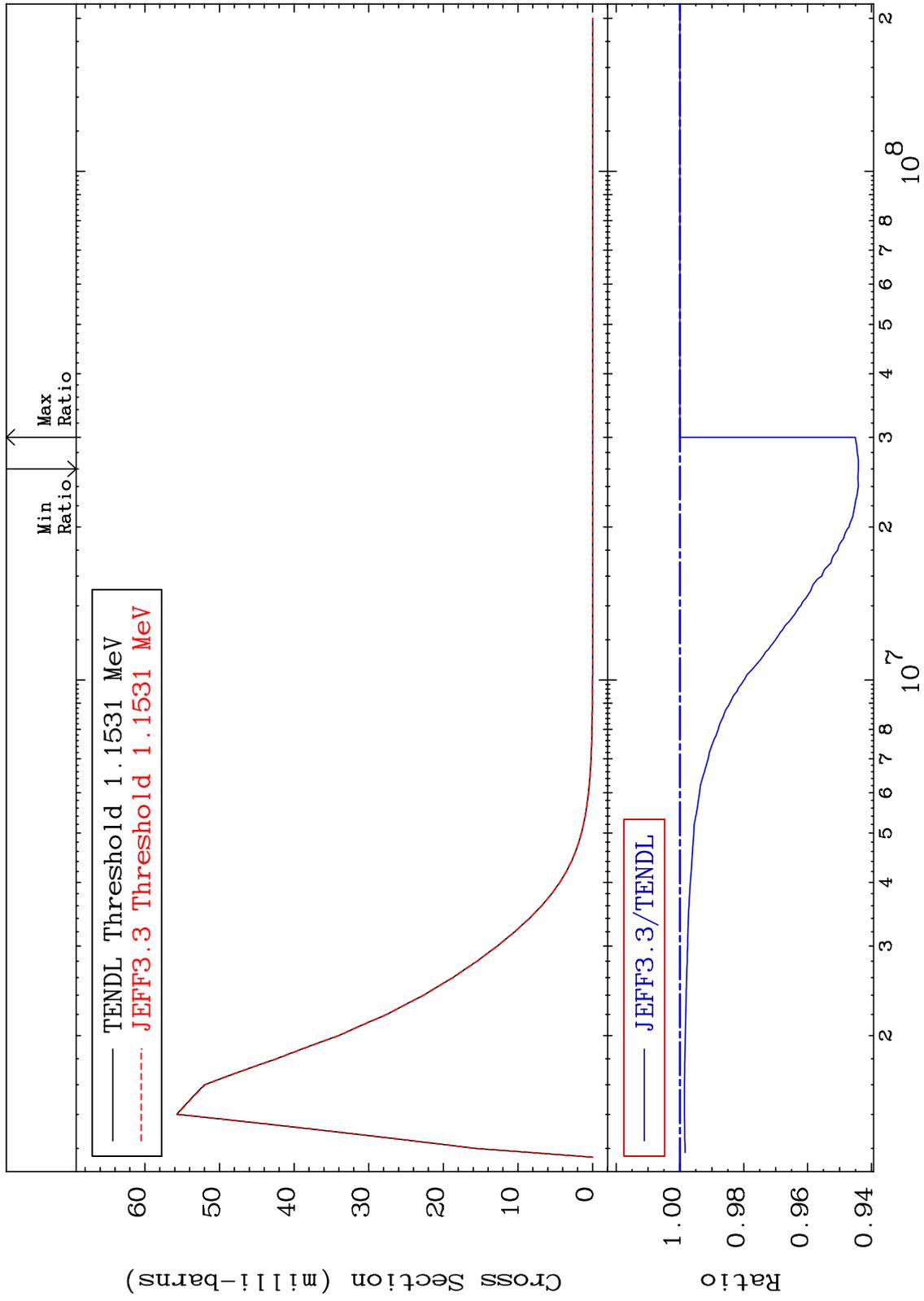
Incident Energy (eV)

43-Tc-97

MAT 4319

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

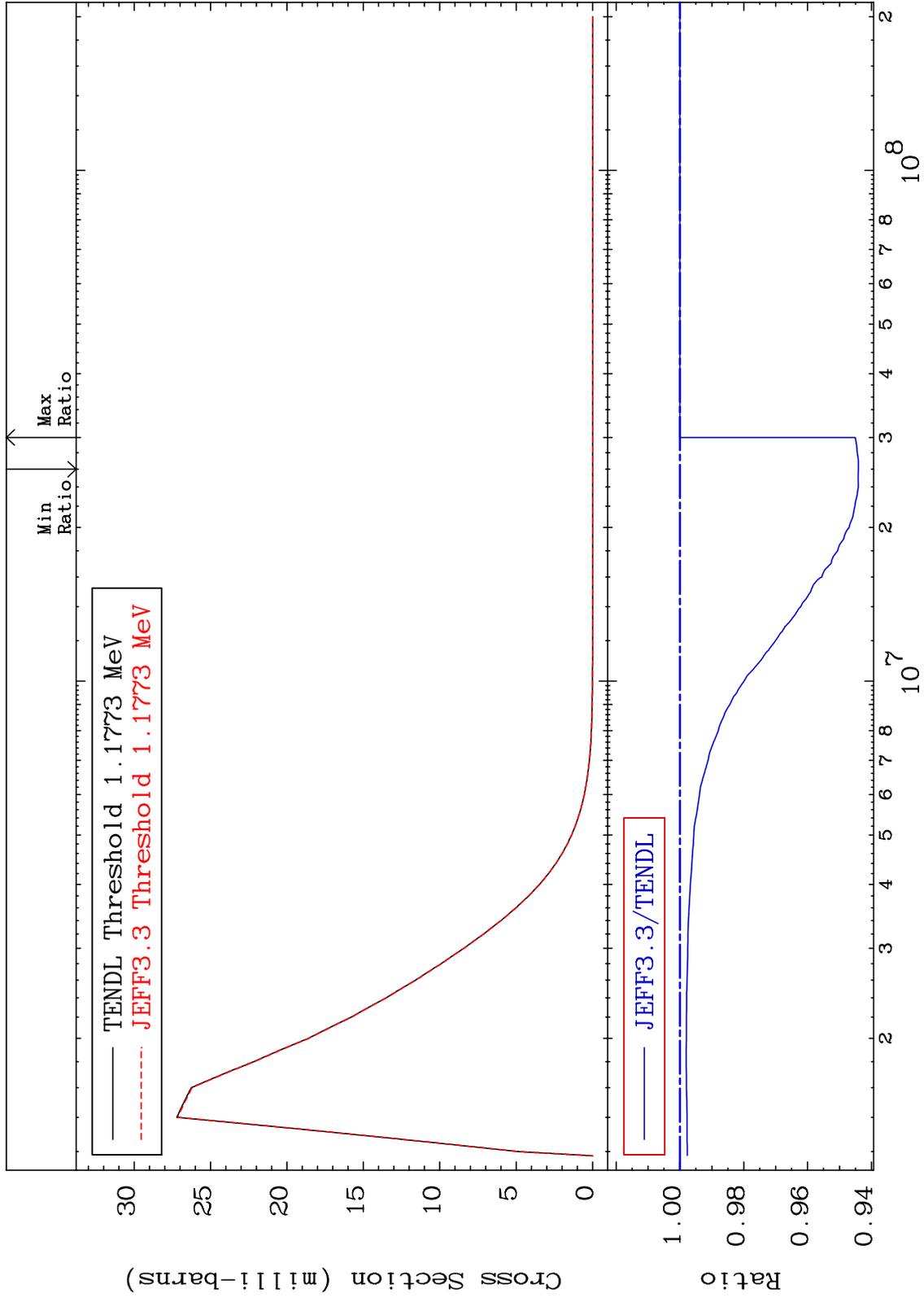
43-Tc-97
-5.593 To 0.000 %



MAT 4319

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

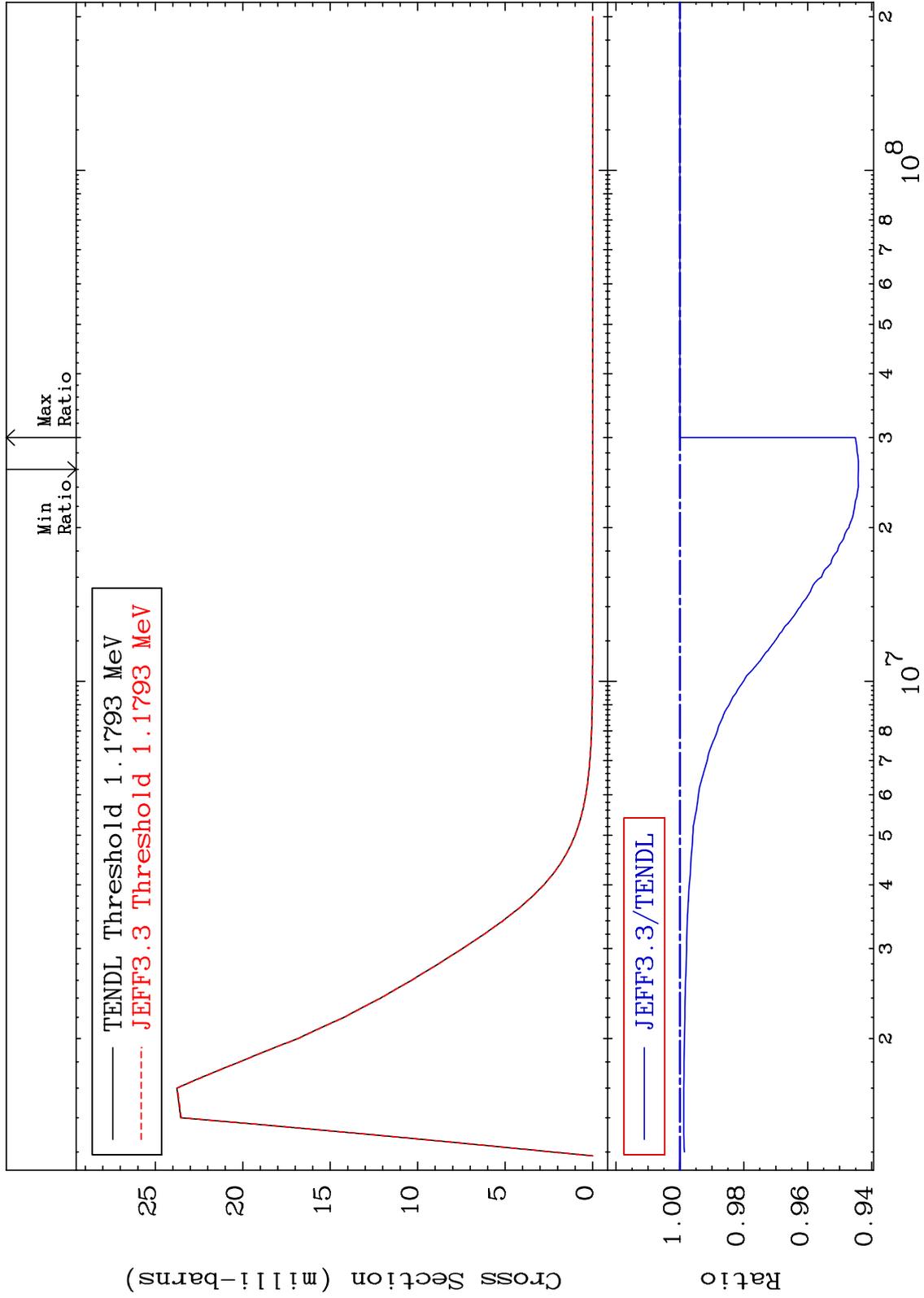
43-Tc-97
-5.592 To 0.000 %



MAT 4319

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

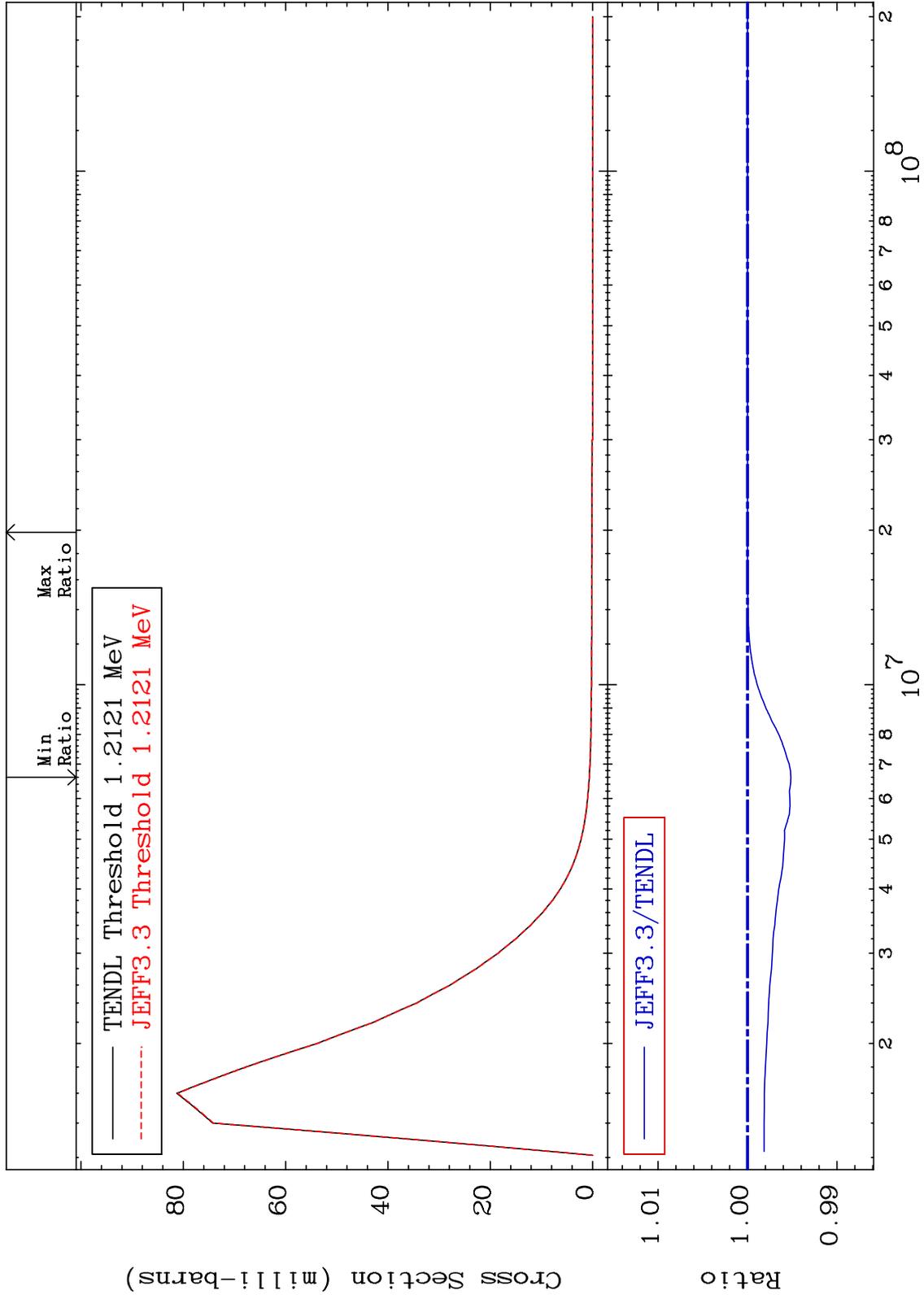
43-Tc-97
-5.586 To 0.000 %



MAT 4319

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

43-Tc-97
-0.486 To 0.000 %



47

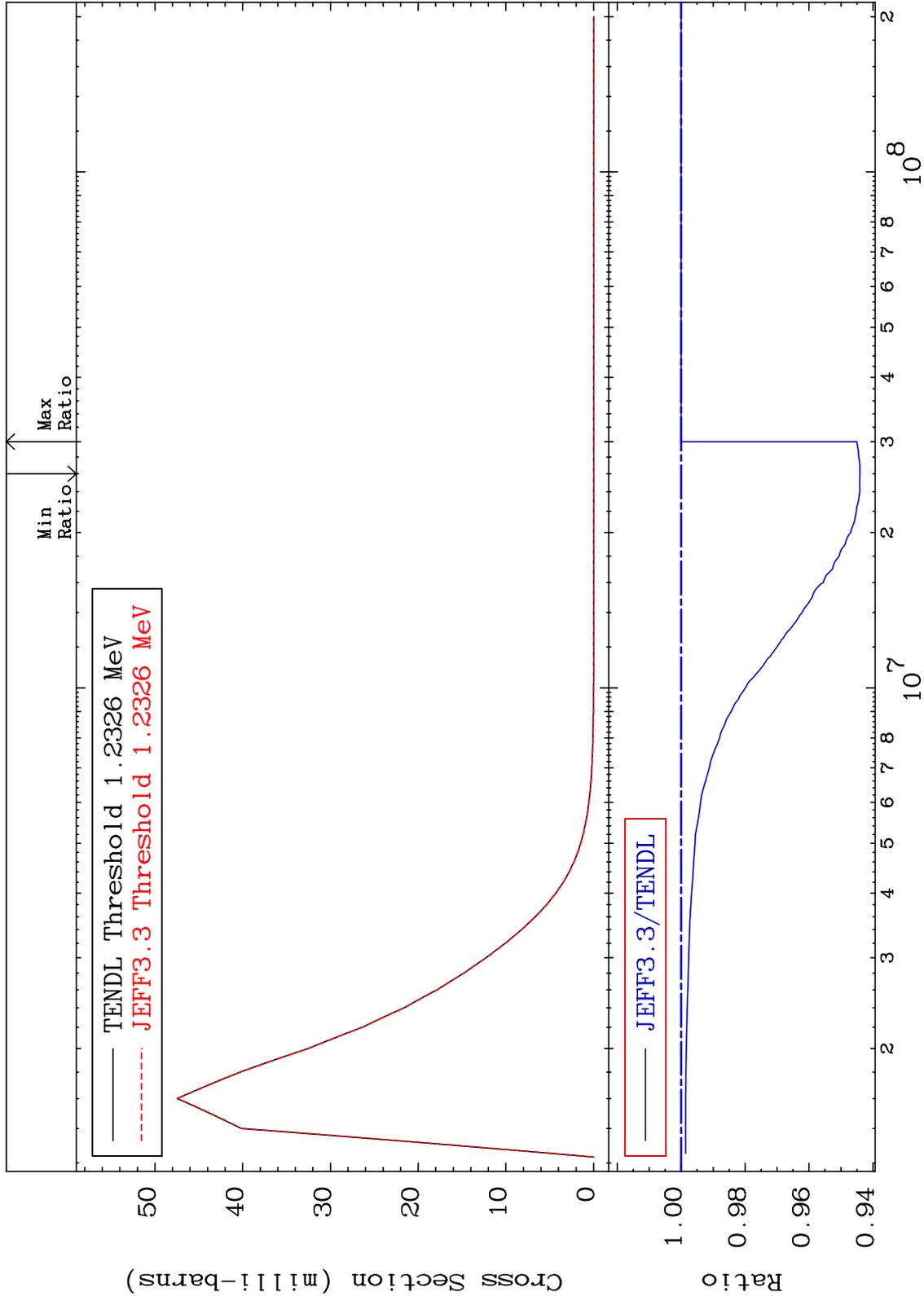
Incident Energy (eV)

43-Tc-97

MAT 4319

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

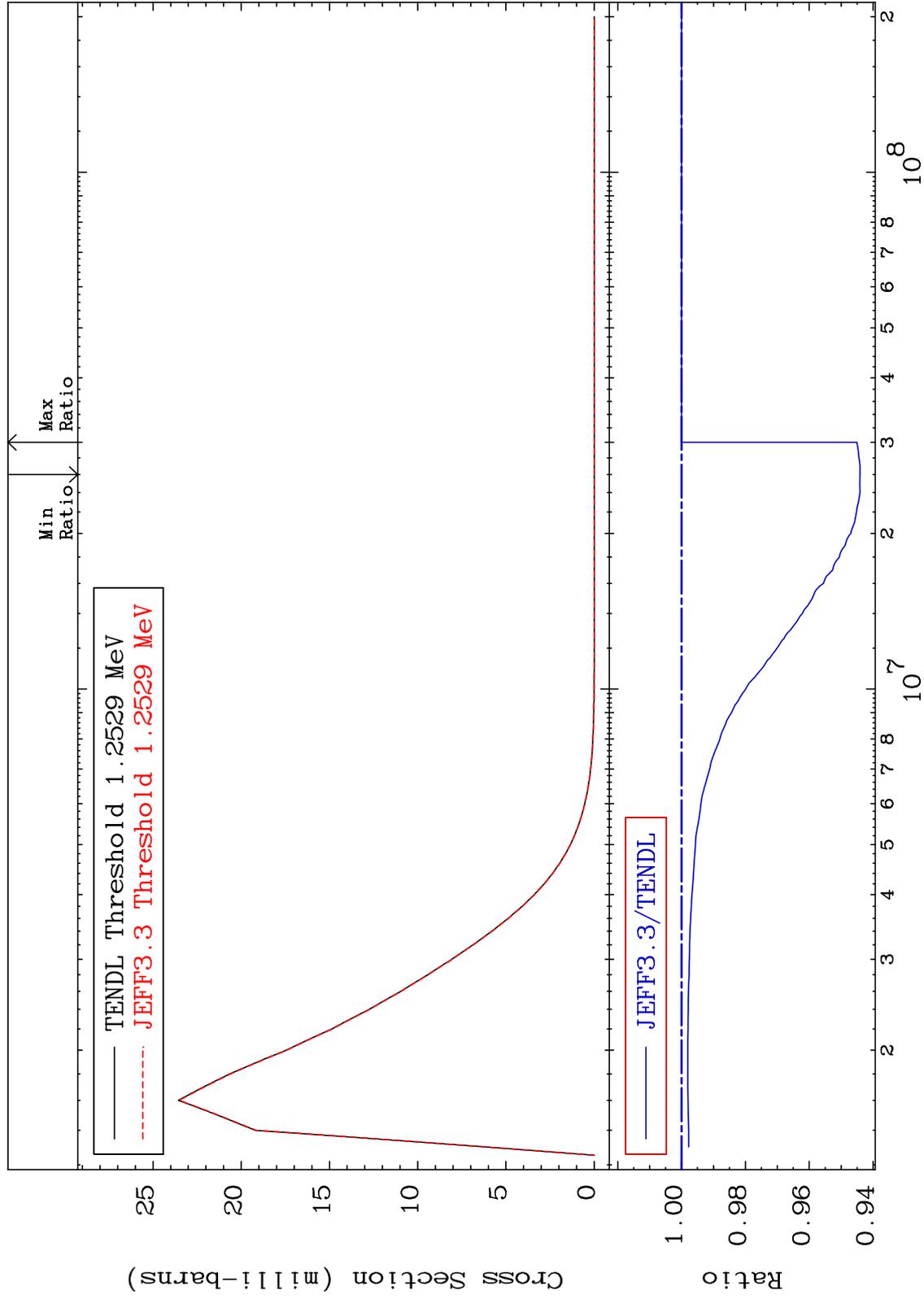
43-Tc-97
-5.592 To 0.000 %



MAT 4319

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

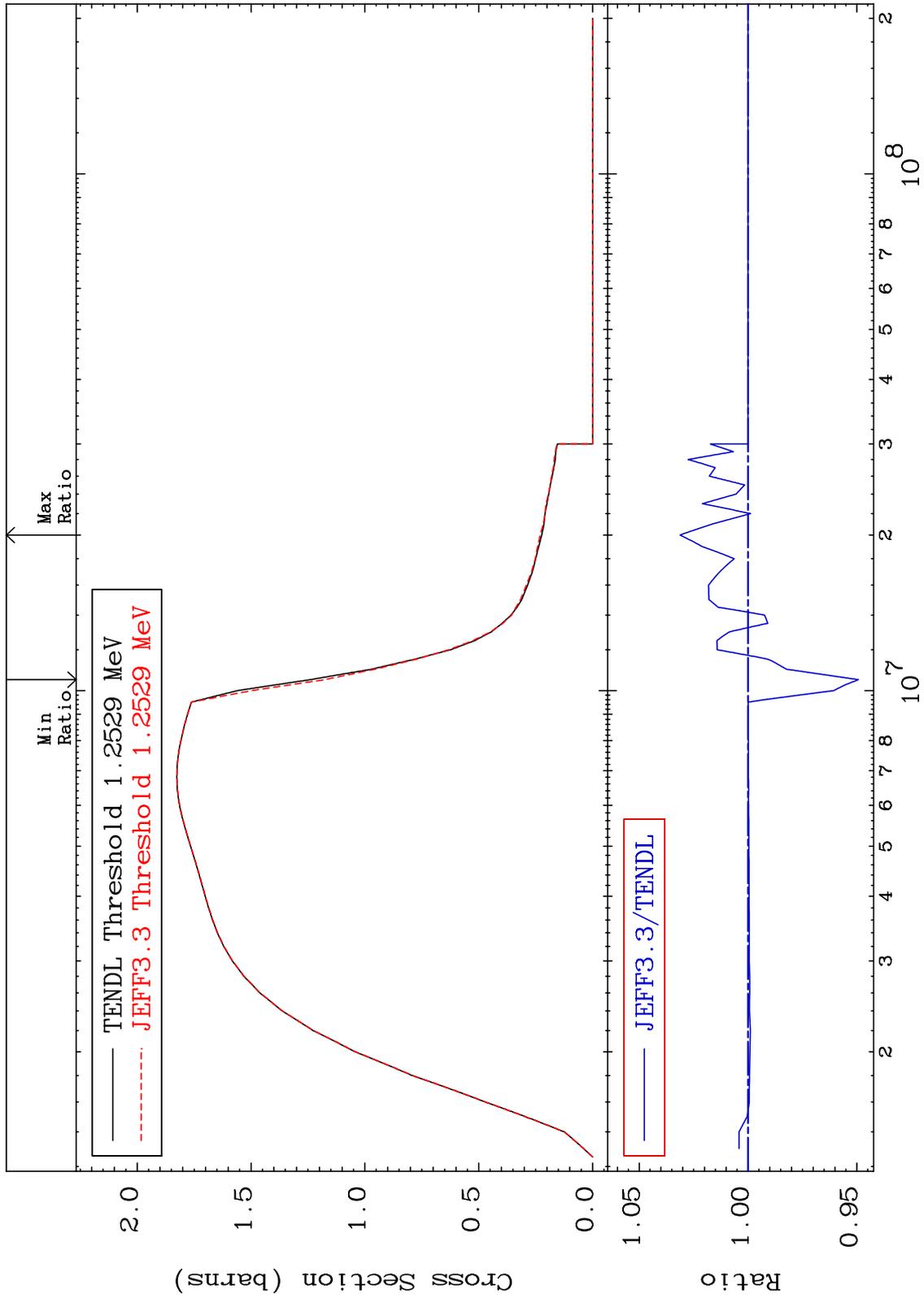
43-Tc-97
-5.592 To 0.000 %



MAT 4319

(n, n') Continuum
Cross Section

43-Tc-97
-5.074 To 3.127 %

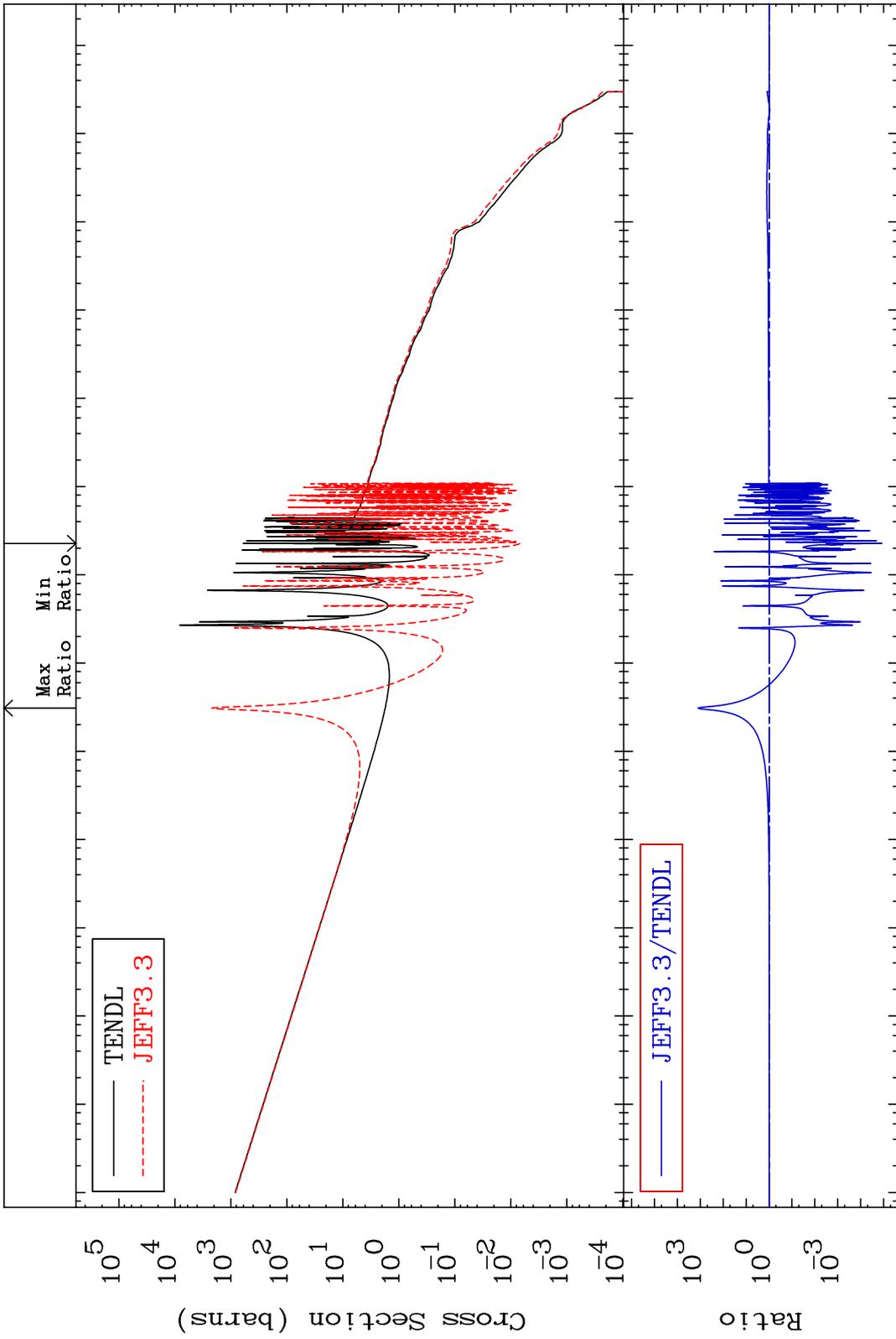


MAT 4319

43-Tc-97

-100.0 To 9999. %

(n, γ)
Cross Section



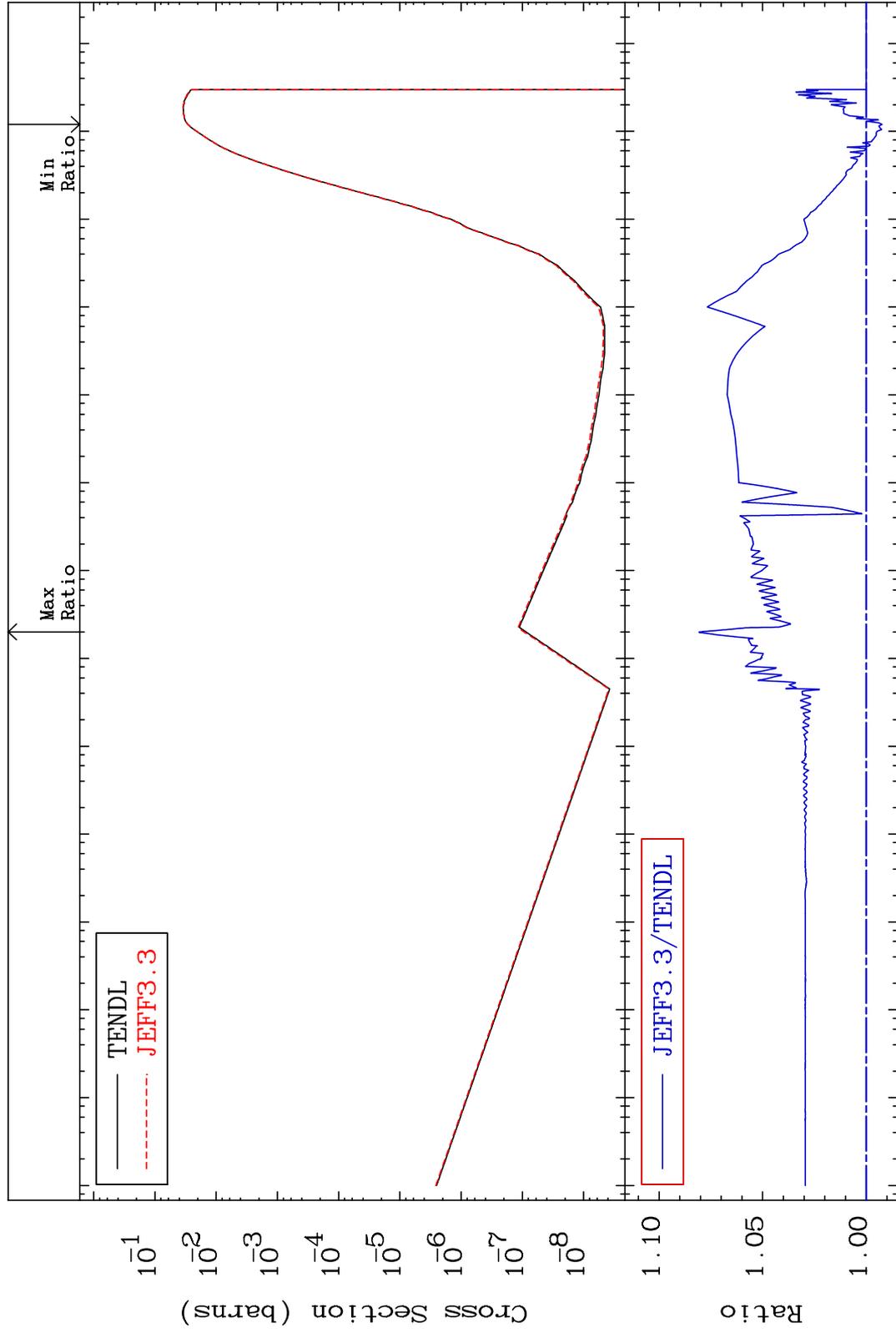
MAT 4319

43-Tc-97

(n, p)

Cross Section

-0.766 To 8.070 %



Incident Energy (eV)

52

43-Tc-97

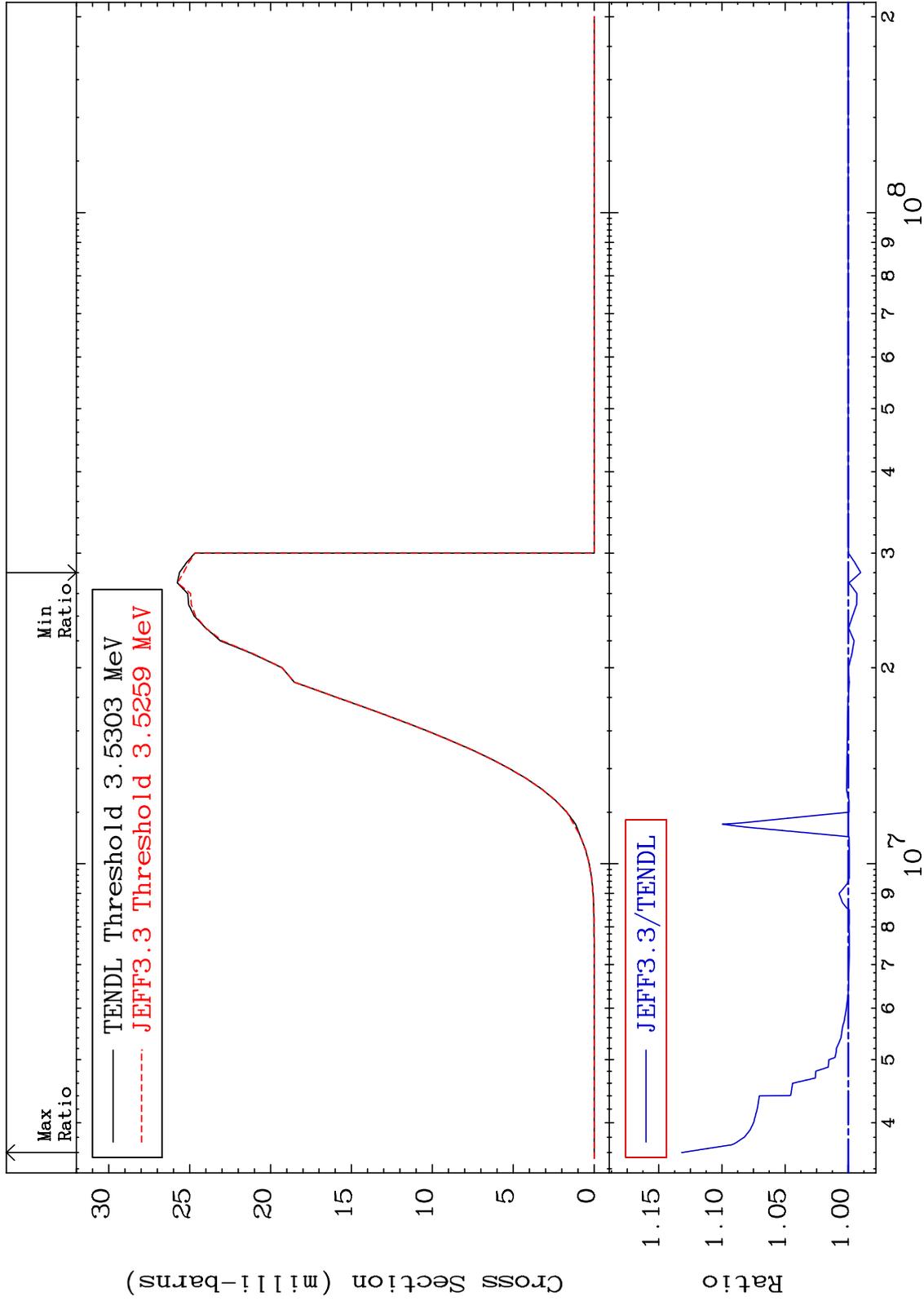
MAT 4319

(n, d)

43-Tc-97

Cross Section

-0.989 To 13.18 %



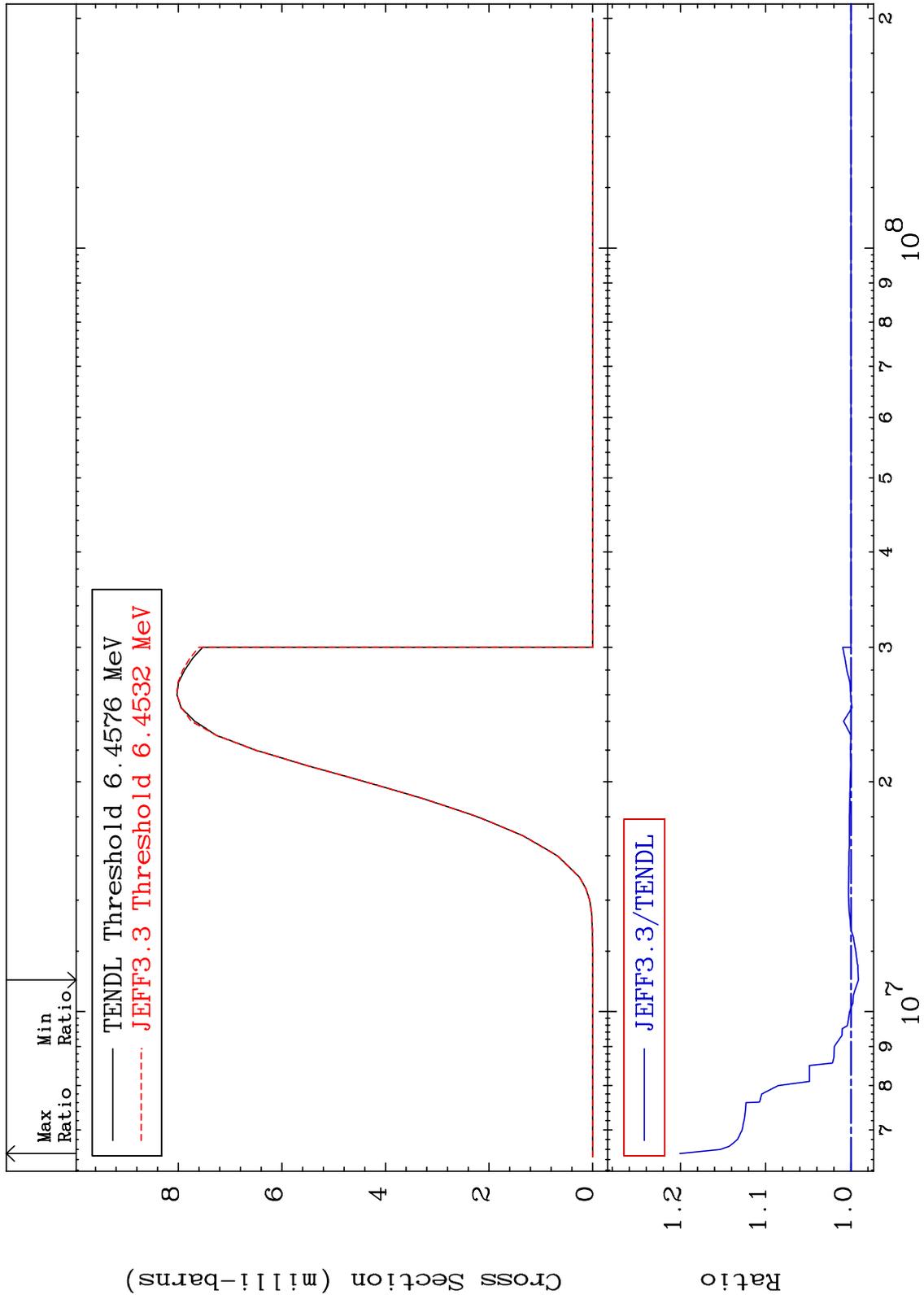
MAT 4319

(n, t)

43-Tc-97

Cross Section

-0.878 To 20.06 %



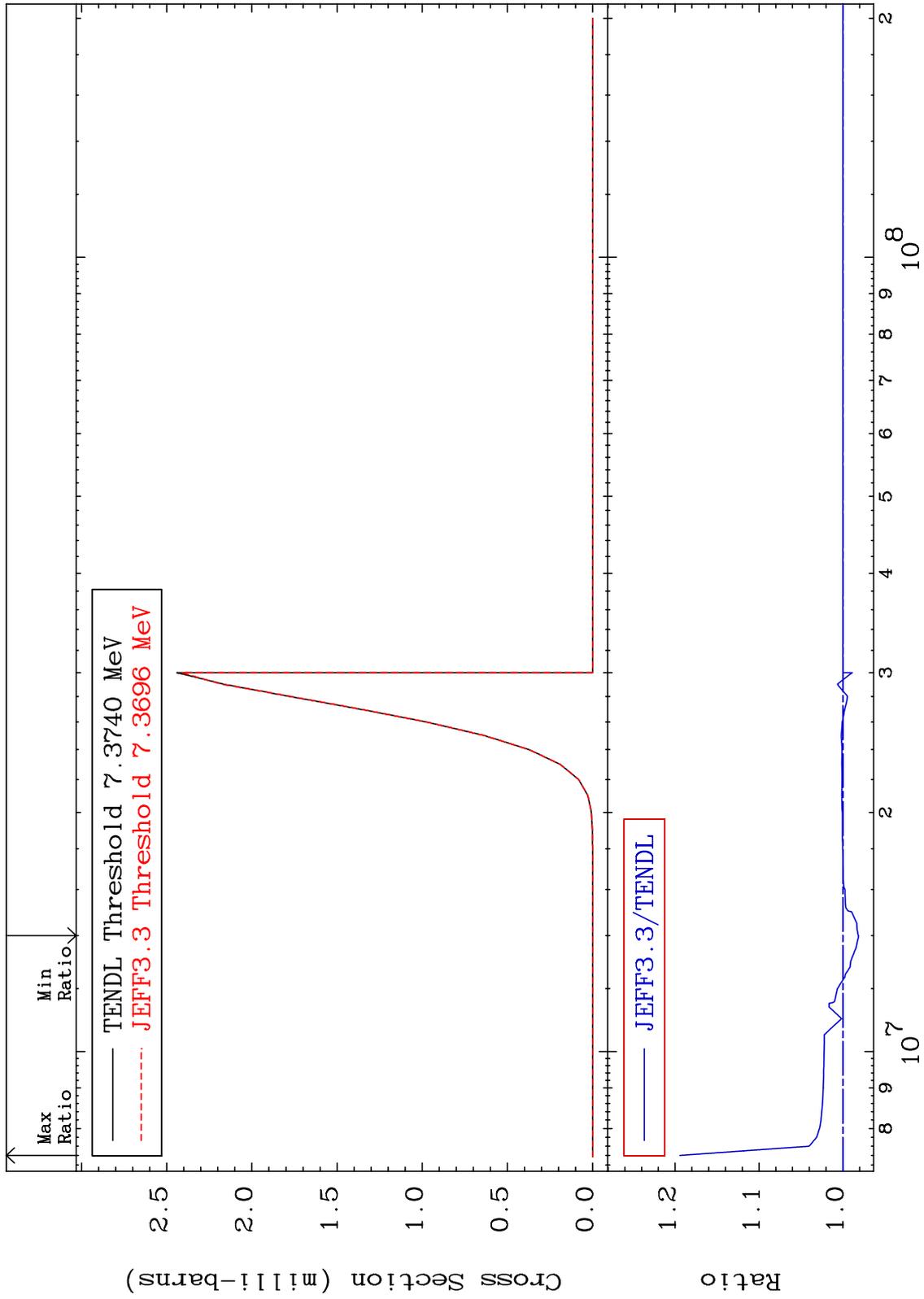
MAT 4319

(n, He-3)

43-Tc-97

Cross Section

-1.850 To 19.43 %



55

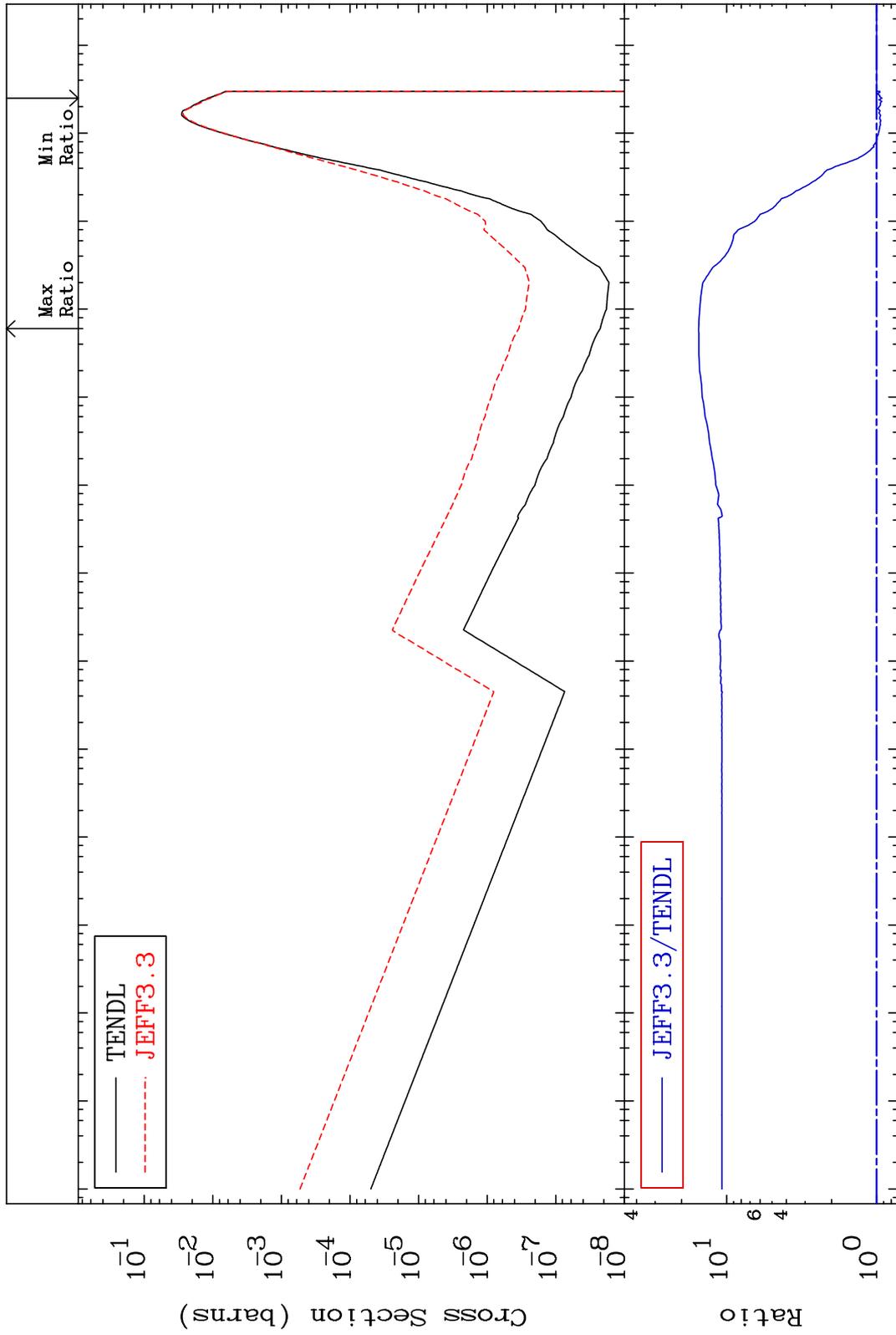
Incident Energy (eV)

43-Tc-97

MAT 4319

(n, α)
Cross Section

43-Tc-97
-8.000 To 1438. %



43-Tc-97

Incident Energy (eV)

56

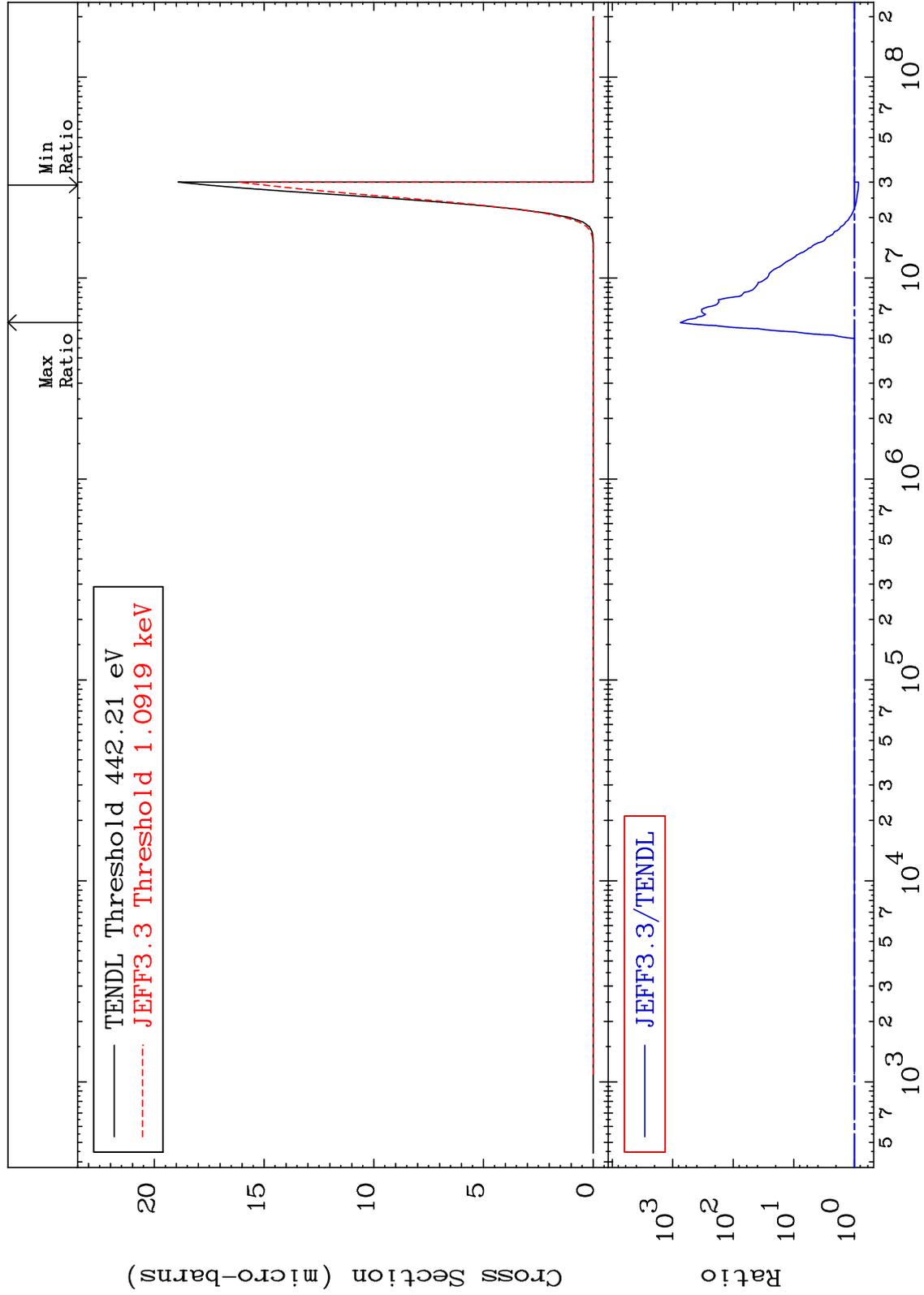
MAT 4319

(n, 2α)

43-Tc-97

Cross Section

-14.70 To 9999. %



57

Incident Energy (eV)

43-Tc-97

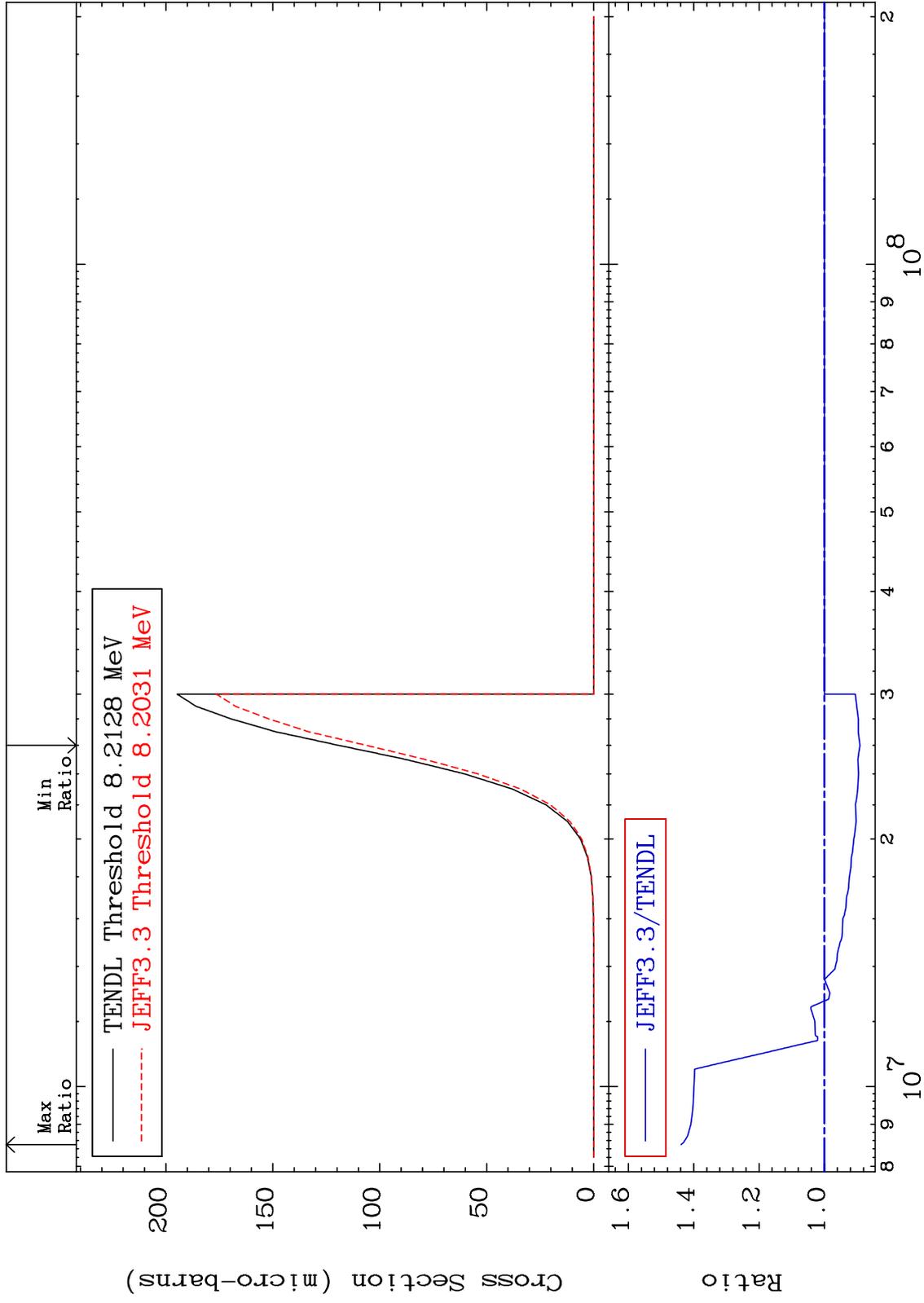
MAT 4319

(n,2p)

43-Tc-97

Cross Section

-10.88 To 43.85 %



58

Incident Energy (eV)

43-Tc-97

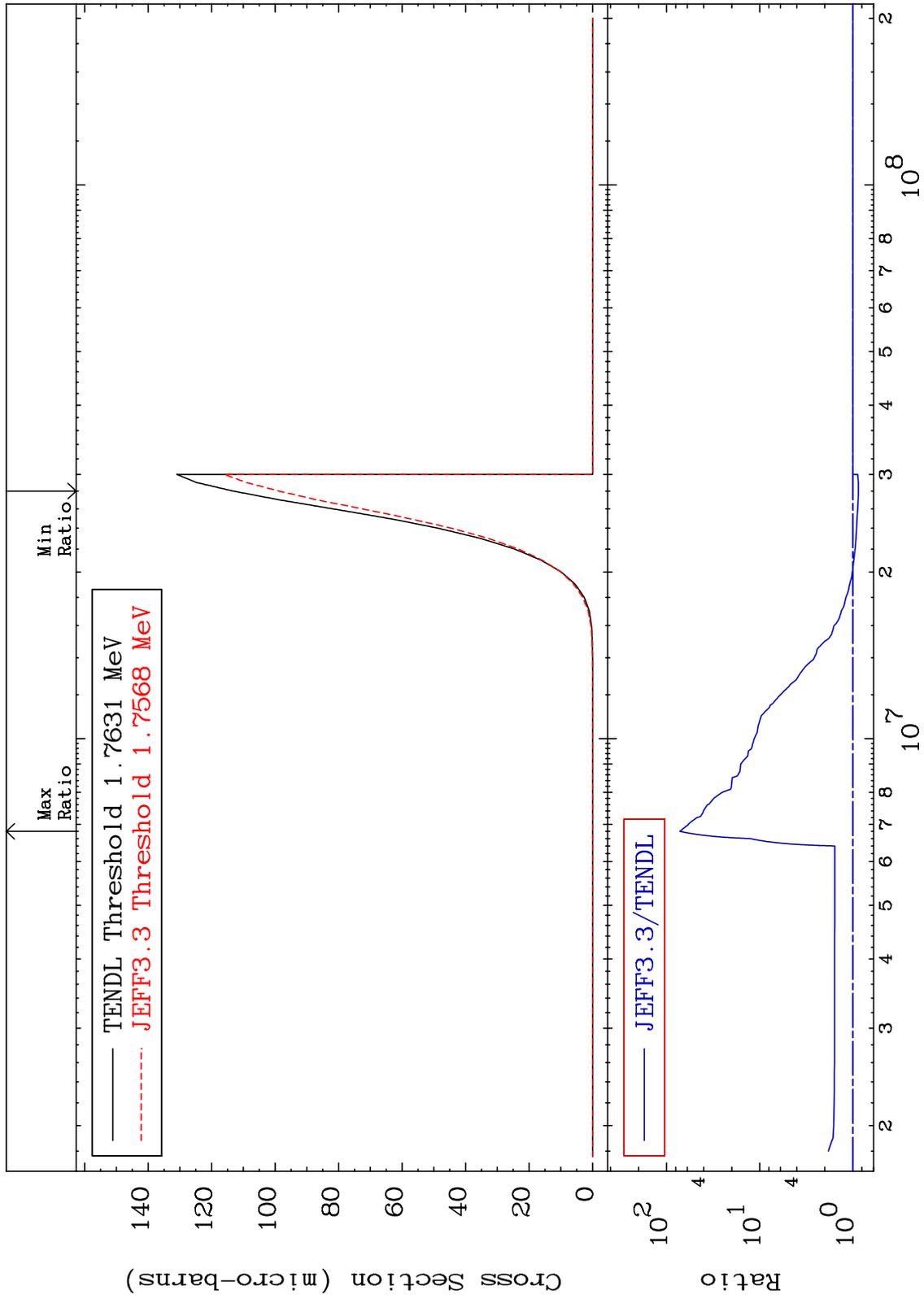
MAT 4319

(n,p) α

43-Tc-97

-12.73 To 7099. %

Cross Section



59

Incident Energy (eV)

43-Tc-97

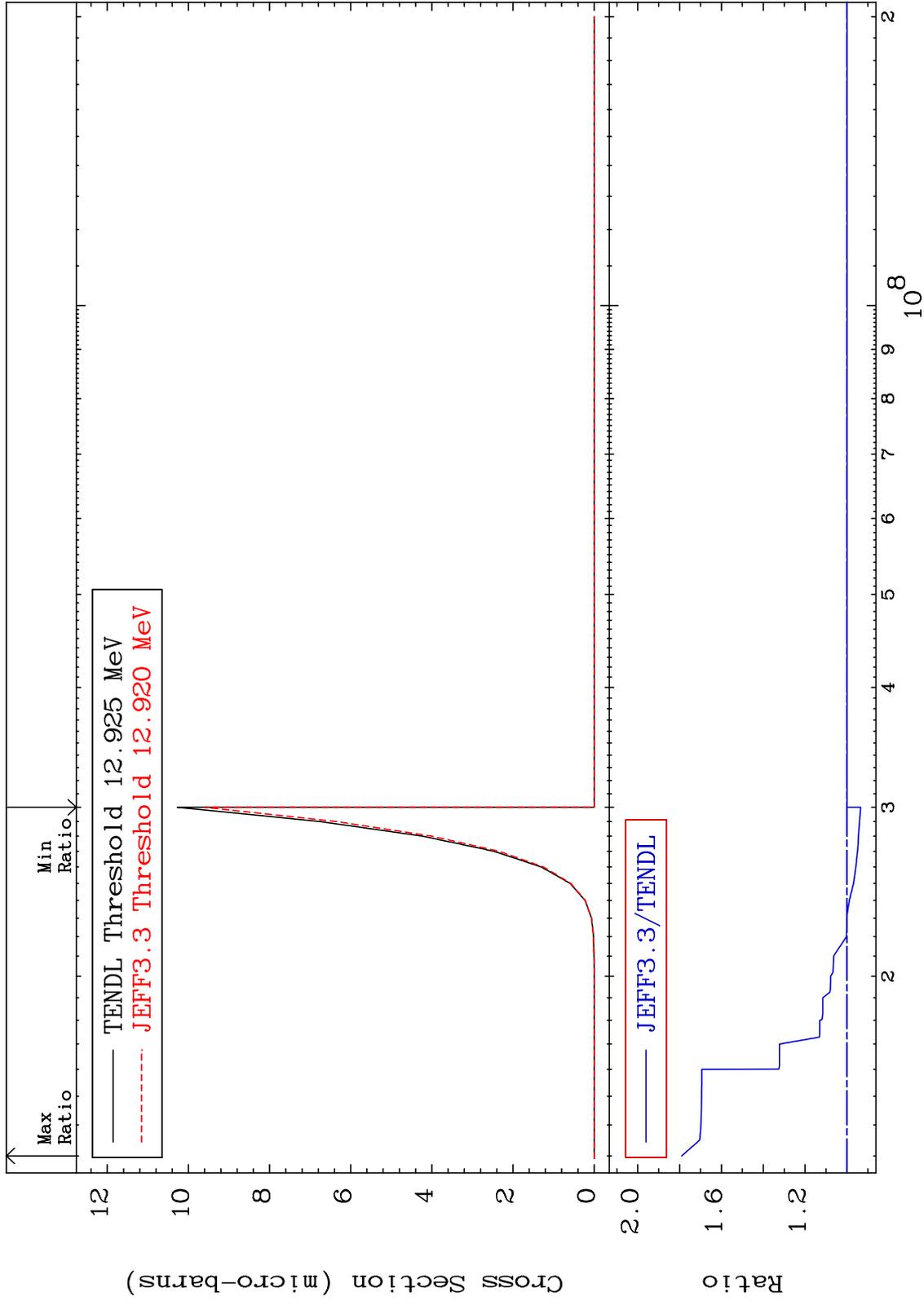
MAT 4319

(n,p) d

43-Tc-97

Cross Section

-6.554 To 78.98 %



60

Incident Energy (eV)

43-Tc-97

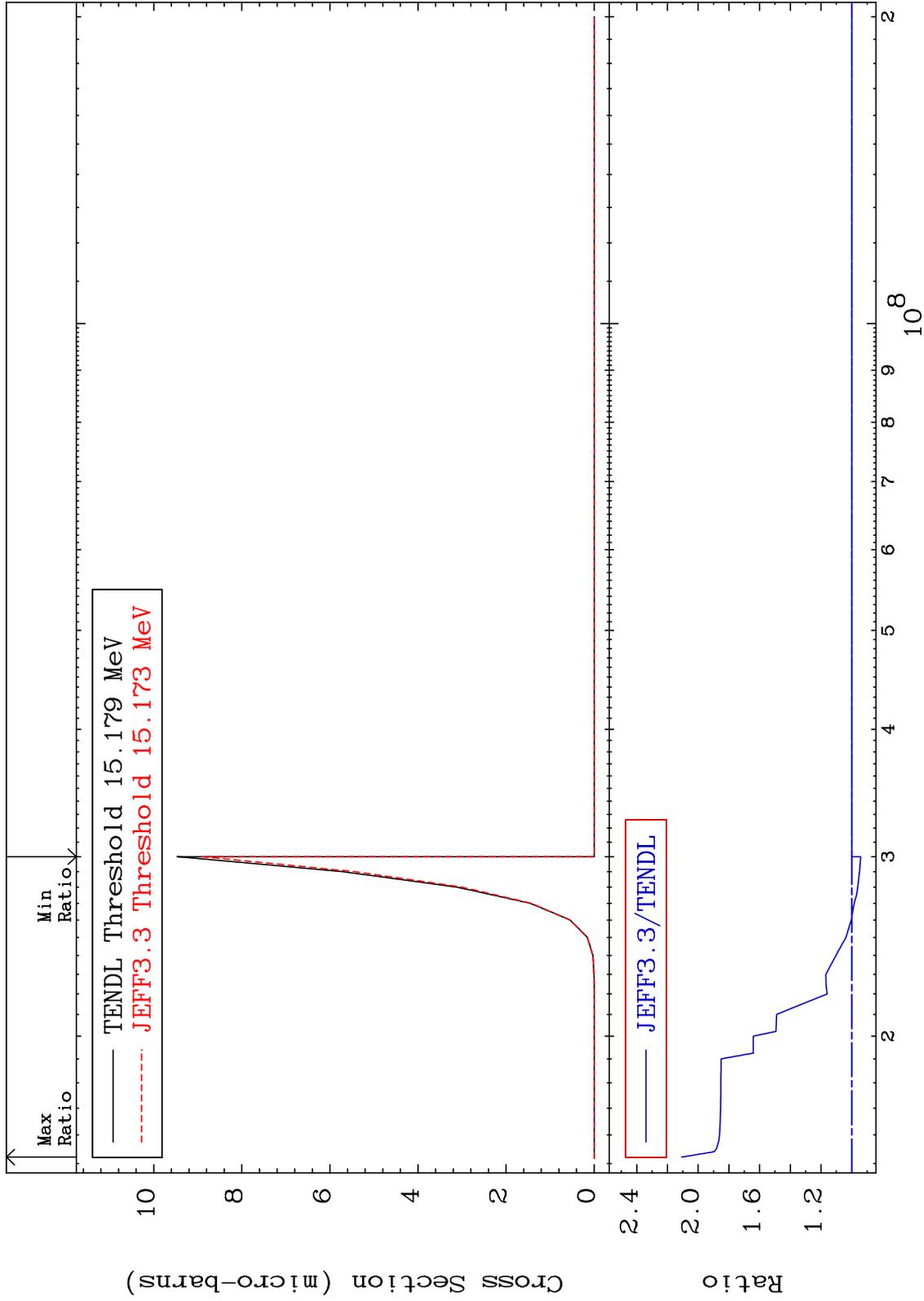
MAT 4319

(n,p) t

43-Tc-97

Cross Section

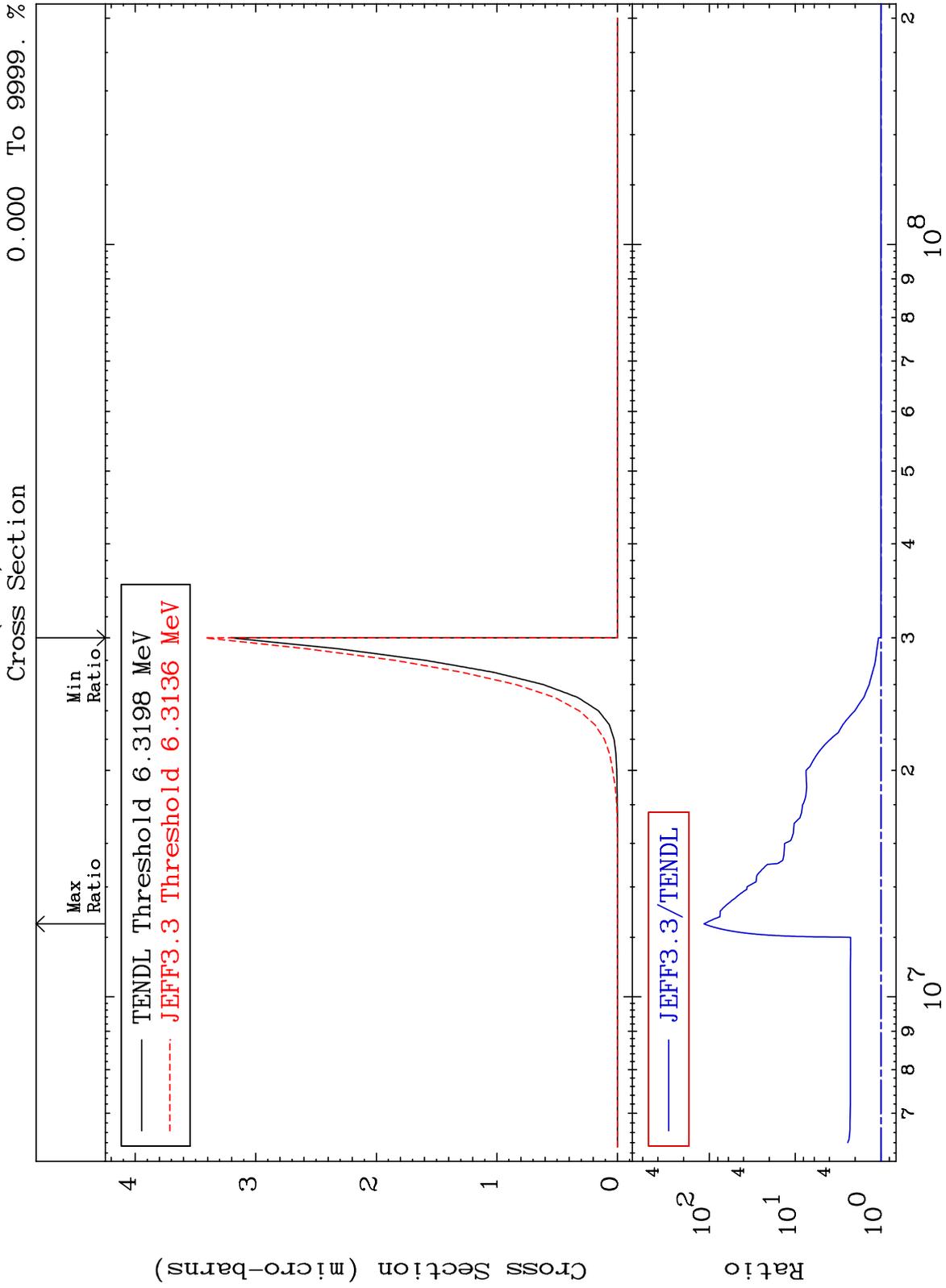
-5.799 To 110.7 %



MAT 4319

(n,d) α

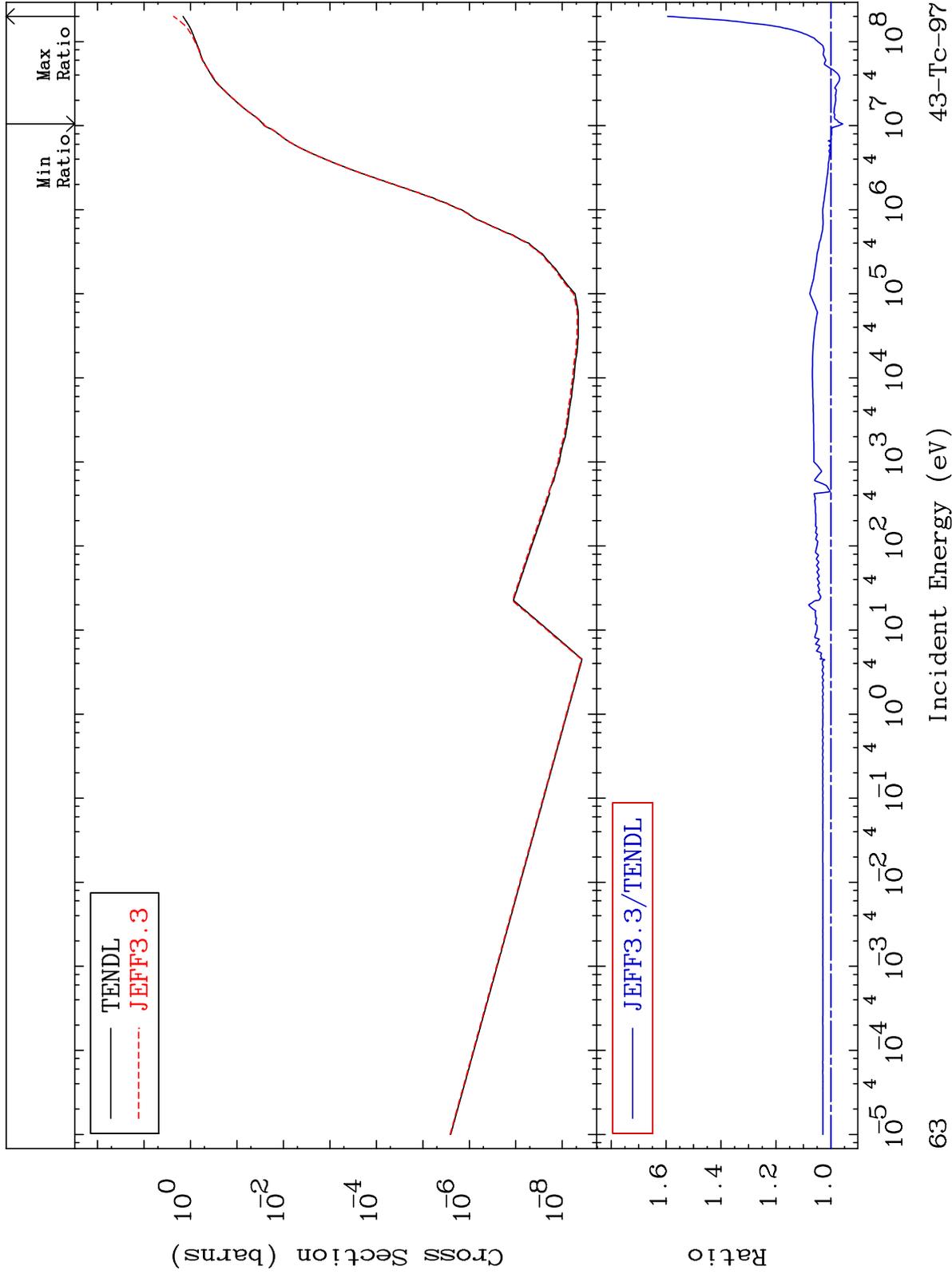
43-Tc-97
0.000 To 9999. %



MAT 4319

Hydrogen Production
Cross Section

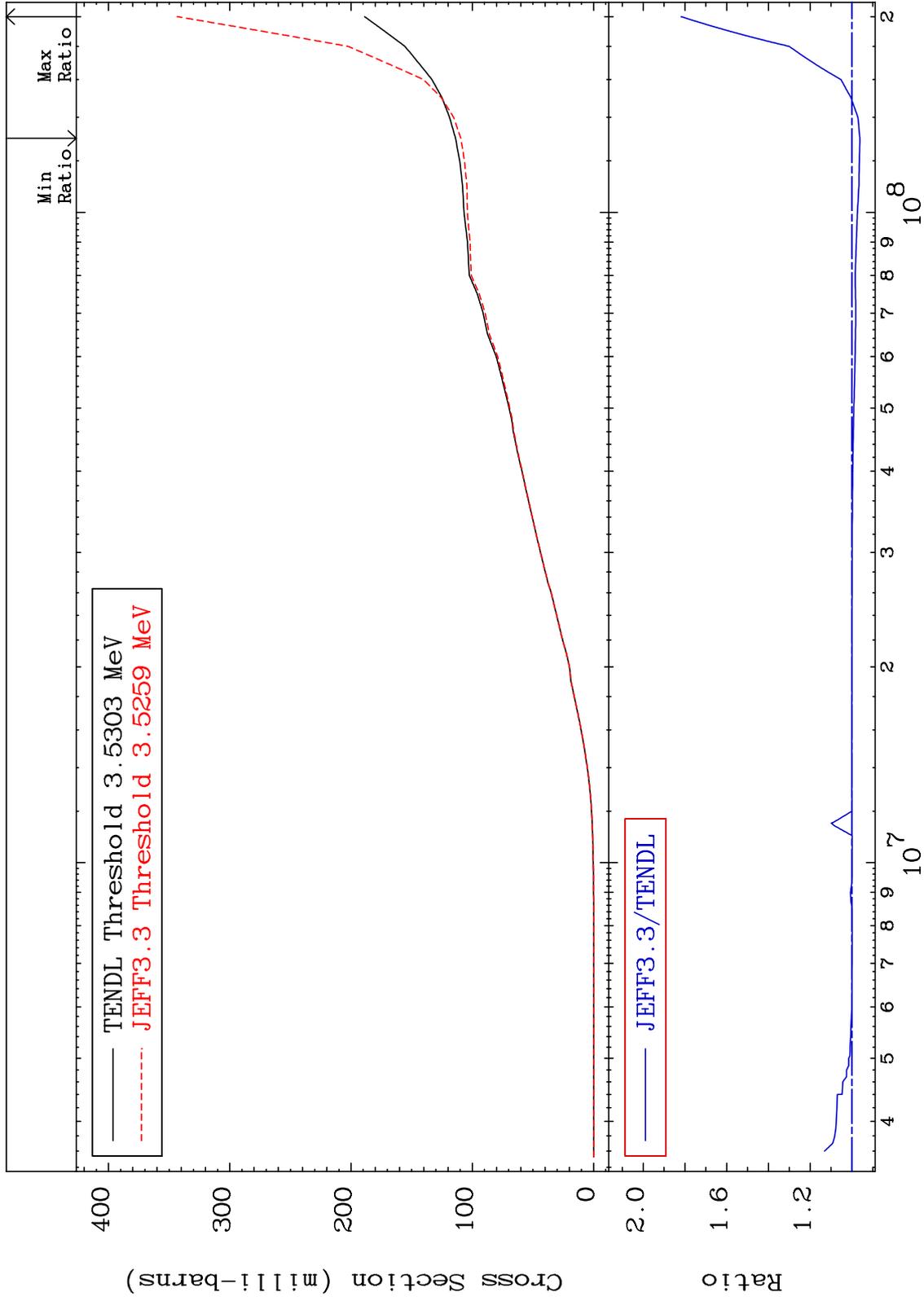
43-Tc-97
-4.366 To 59.43 %



MAT 4319

Deuterium Production
Cross Section

43-Tc-97
-3.808 To 81.82 %



64

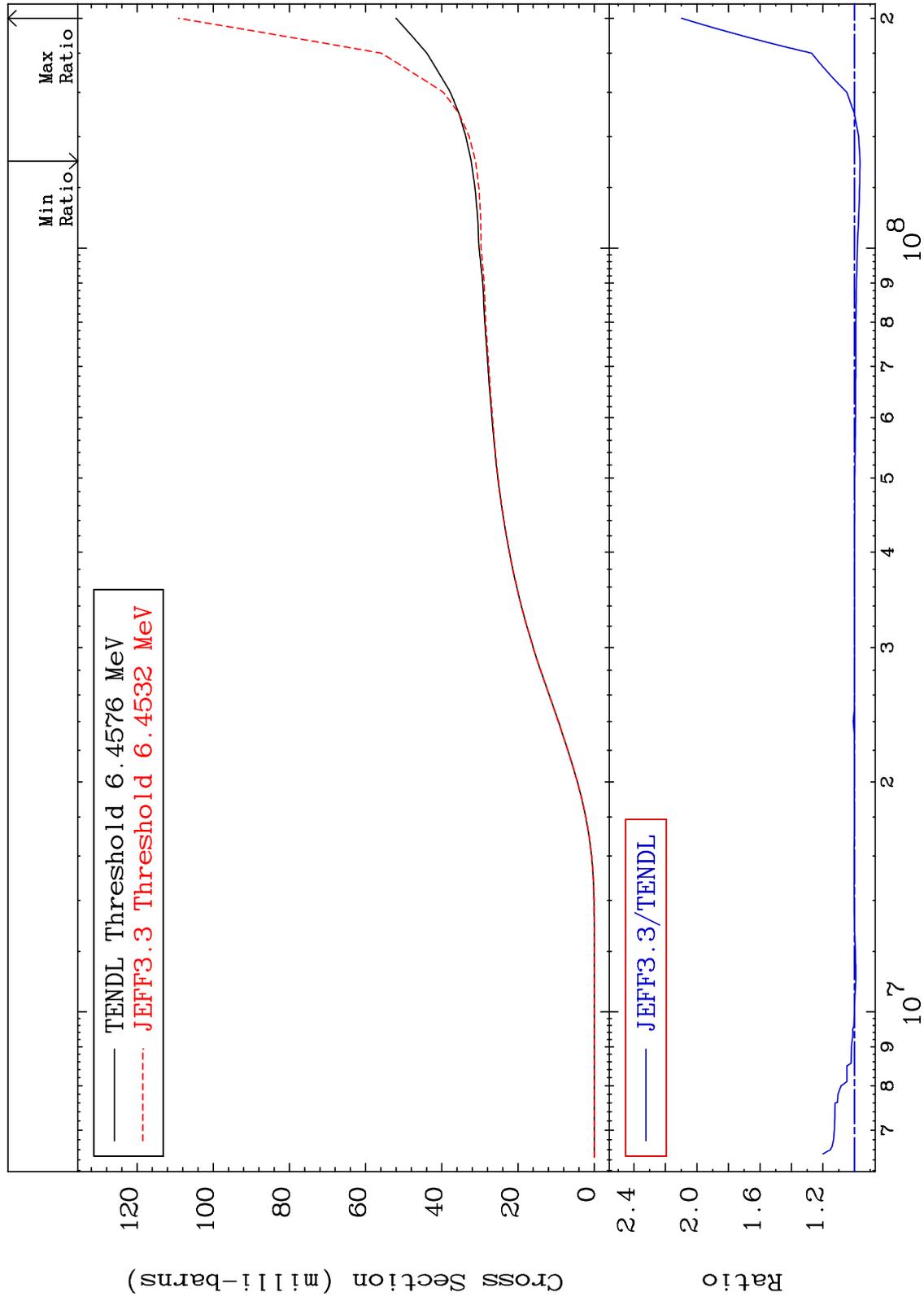
Incident Energy (eV)

43-Tc-97

MAT 4319

Tritium Production
Cross Section

43-Tc-97
-3.519 To 109.8 %



65

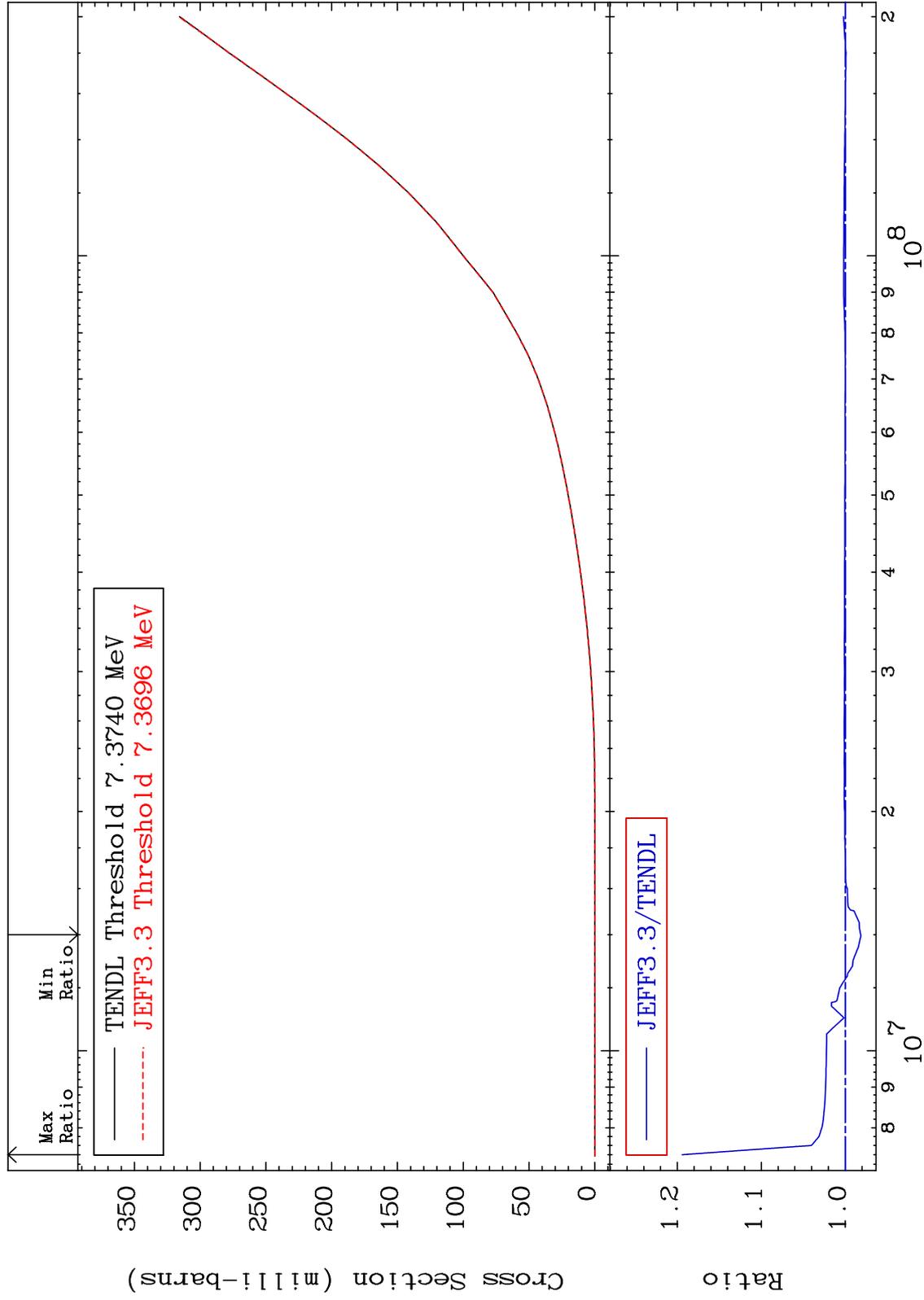
Incident Energy (eV)

43-Tc-97

MAT 4319

He-3 Production
Cross Section

43-Tc-97
-1.850 To 19.43 %



66

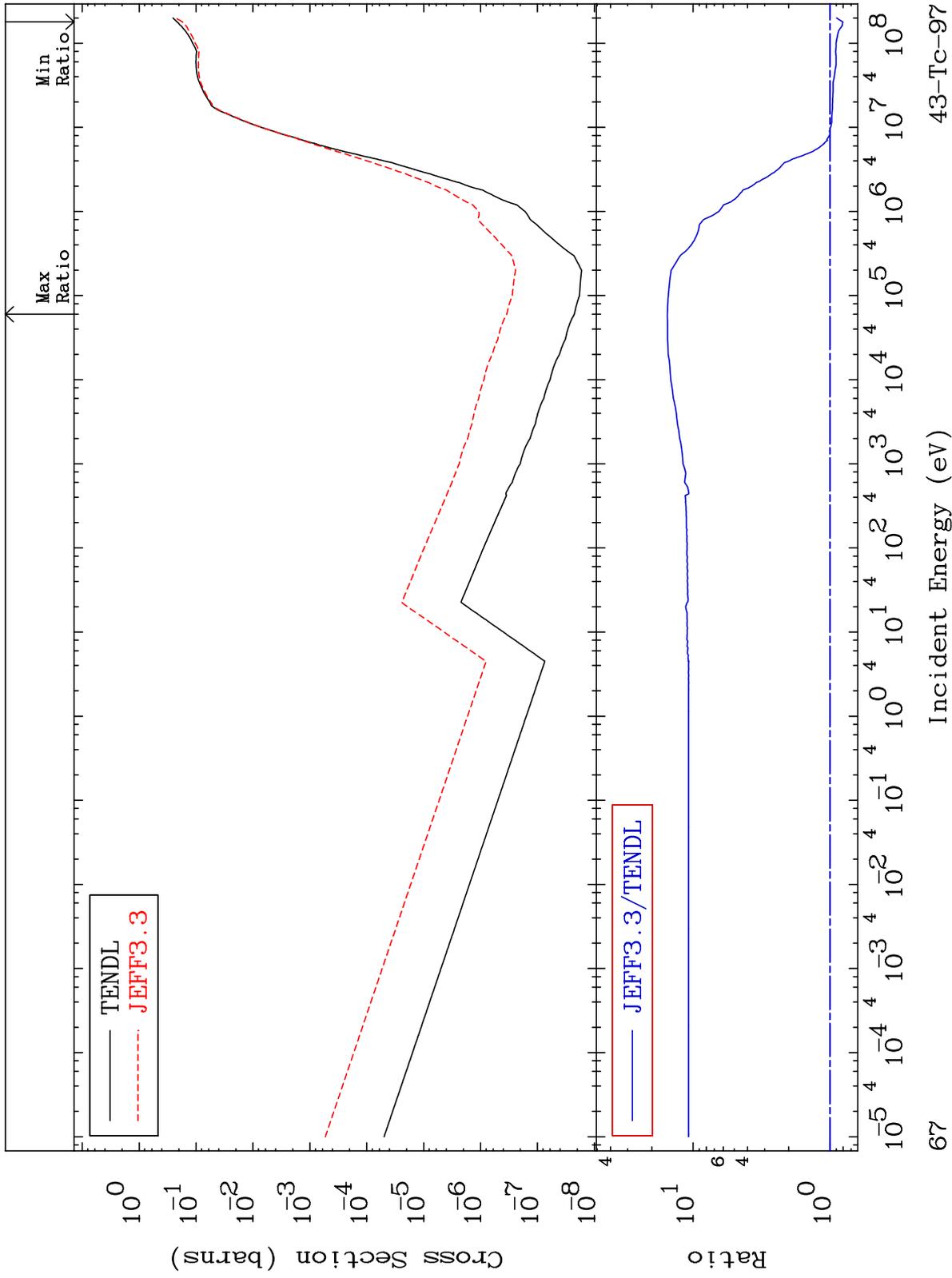
Incident Energy (eV)

43-Tc-97

MAT 4319

He-4 Production
Cross Section

43-Tc-97
-19.42 To 1438. %



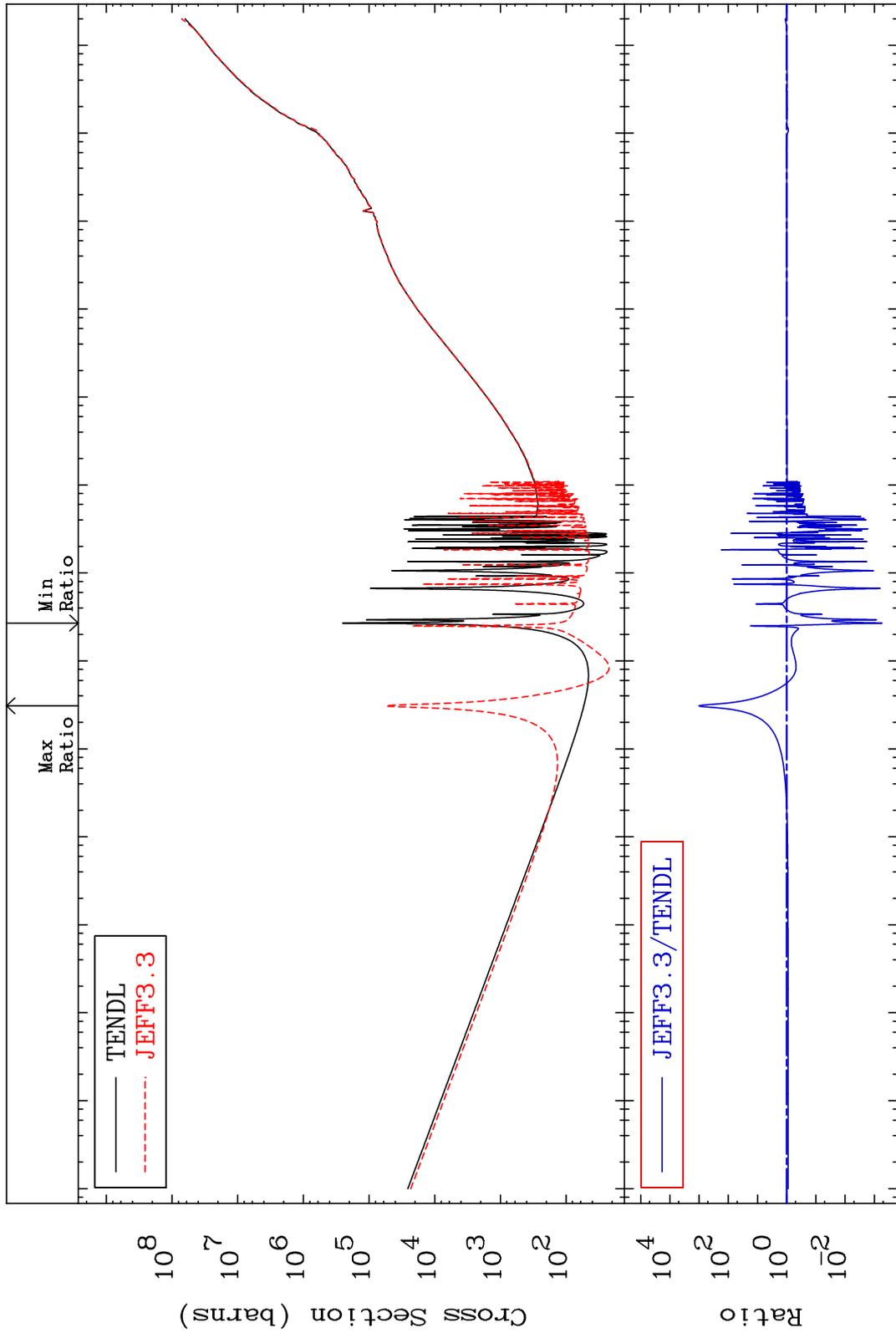
67

43-Tc-97

MAT 4319

Kerma total (eV-barns)
Cross Section

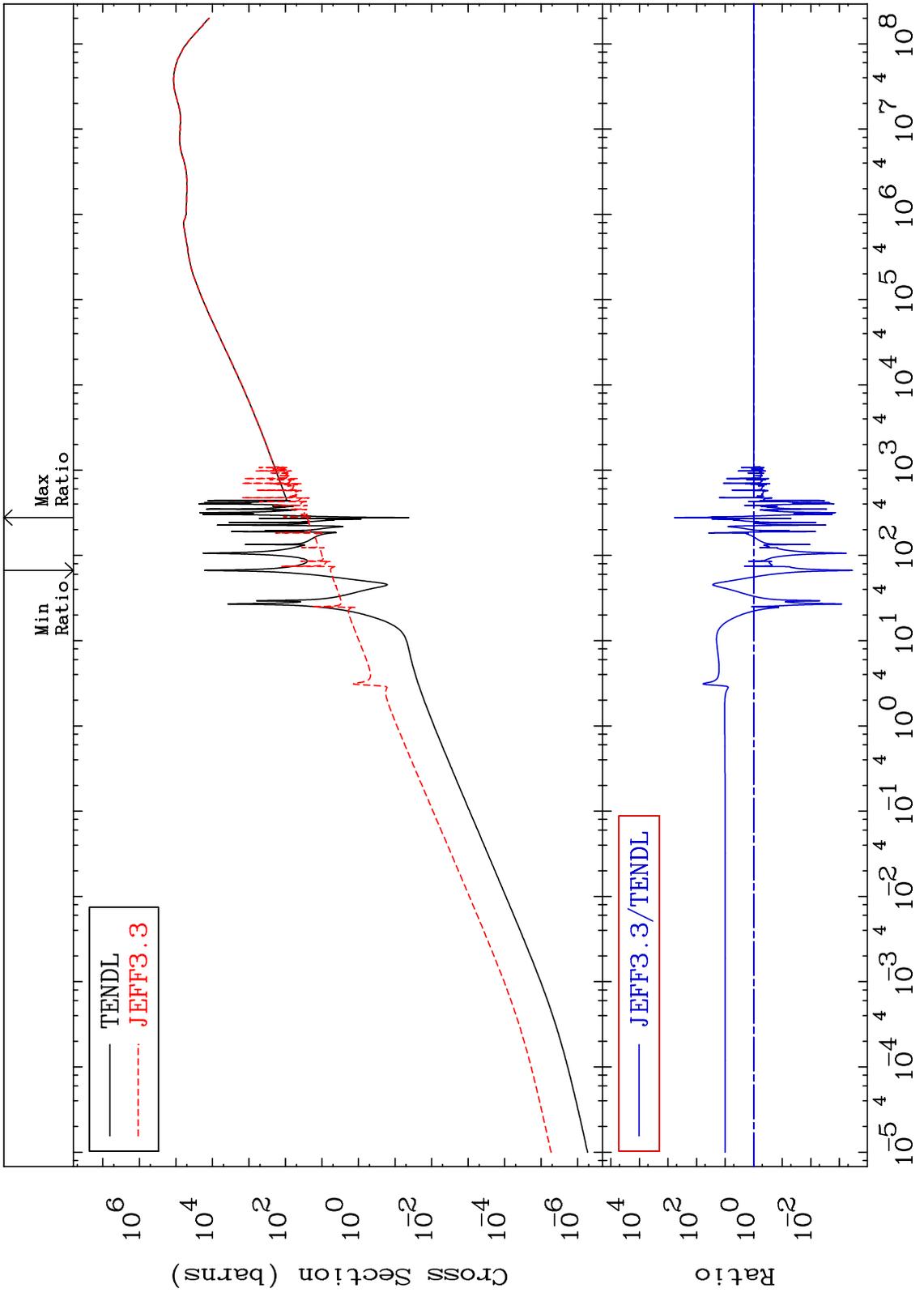
43-Tc-97
-99.95 To 9999. %



MAT 4319

Kerma elastic
Cross Section

43-Tc-97
-99.96 To 9999. %



69

Incident Energy (eV)

43-Tc-97

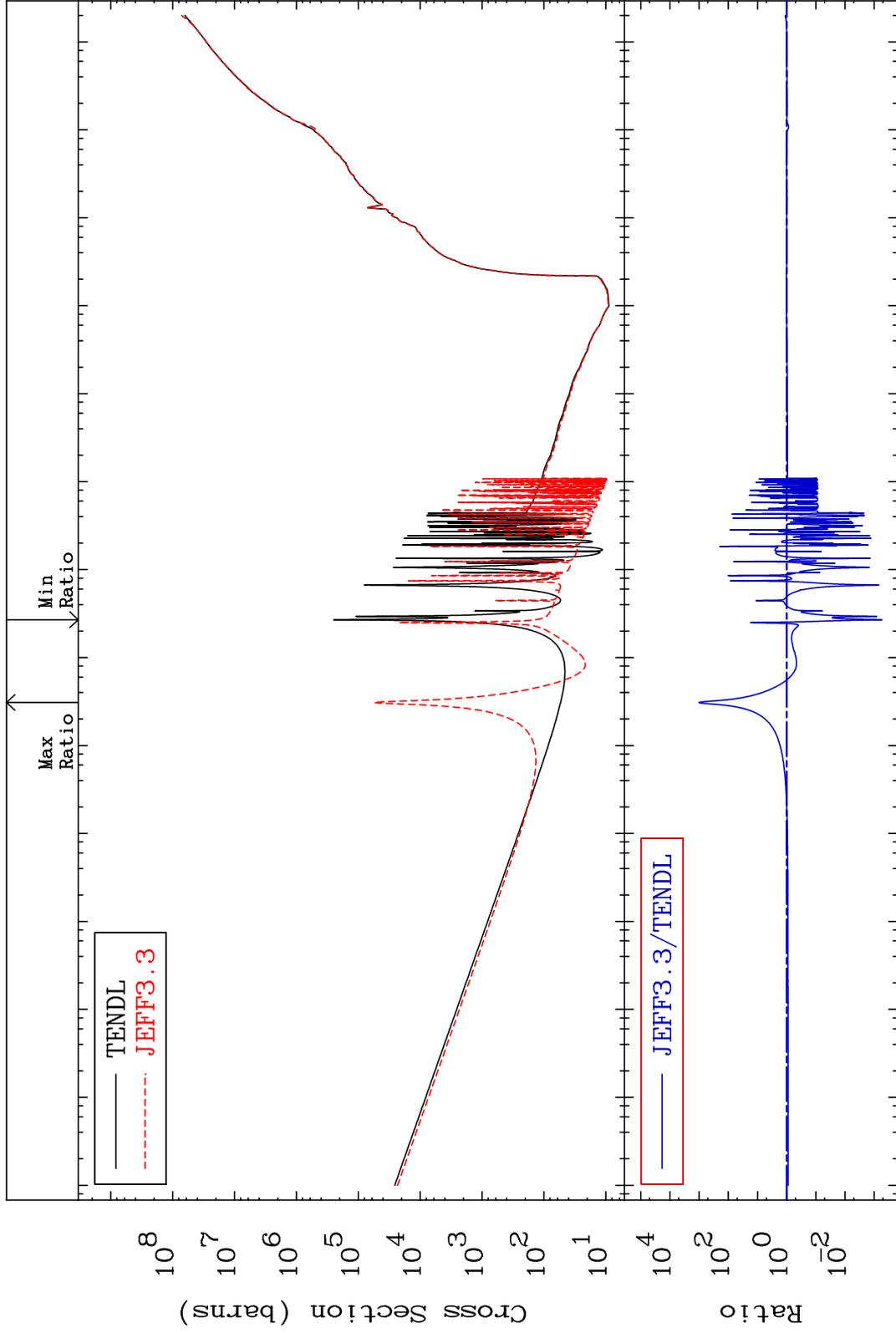
MAT 4319

Kerma non-elastic (all but mt2)

43-Tc-97

-99.95 To 9999. %

Cross Section



70

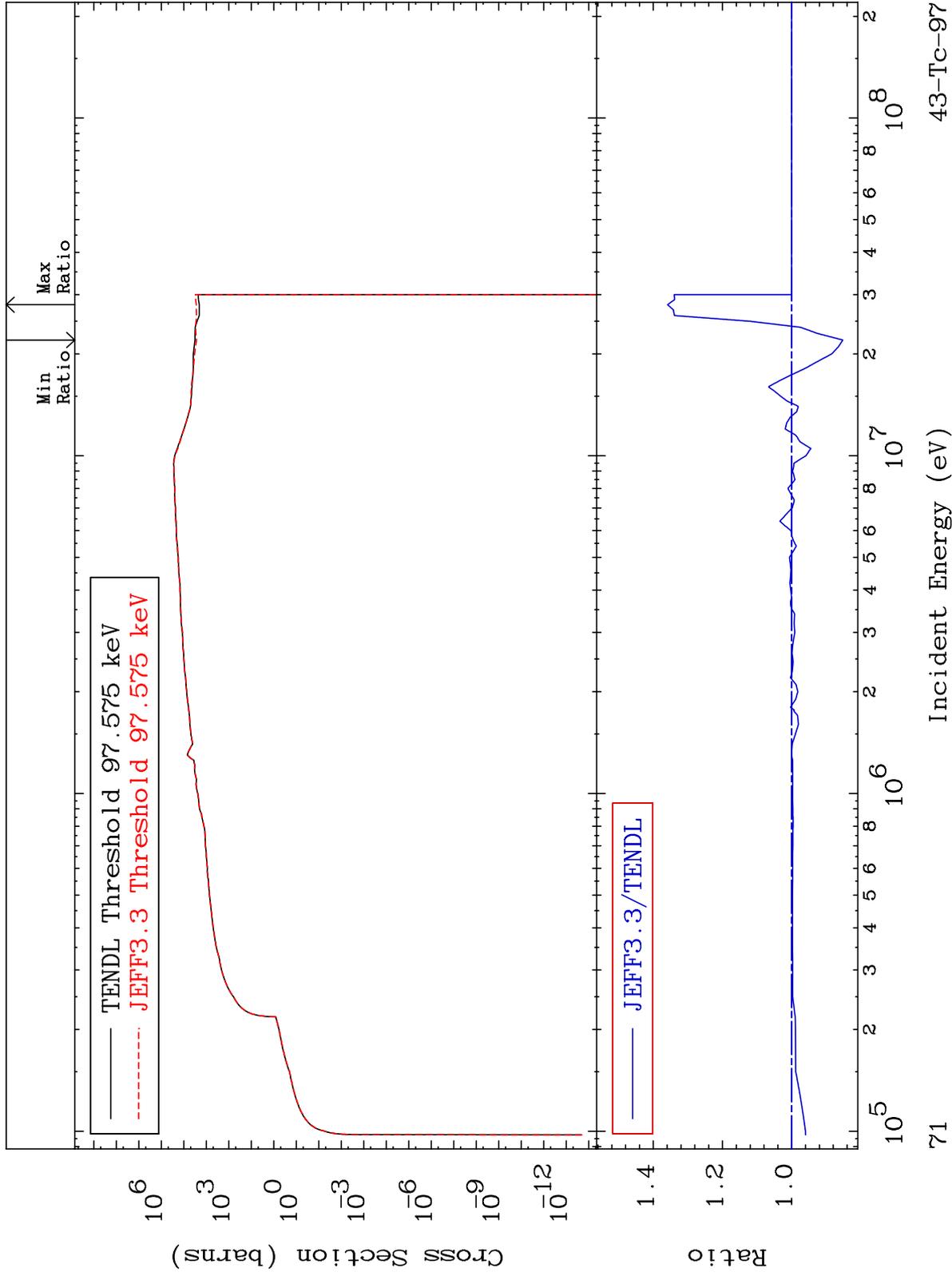
Incident Energy (eV)

43-Tc-97

MAT 4319

Kerma inelastic (mt51-91)
Cross Section

43-Tc-97
-14.78 To 35.86 %



43-Tc-97

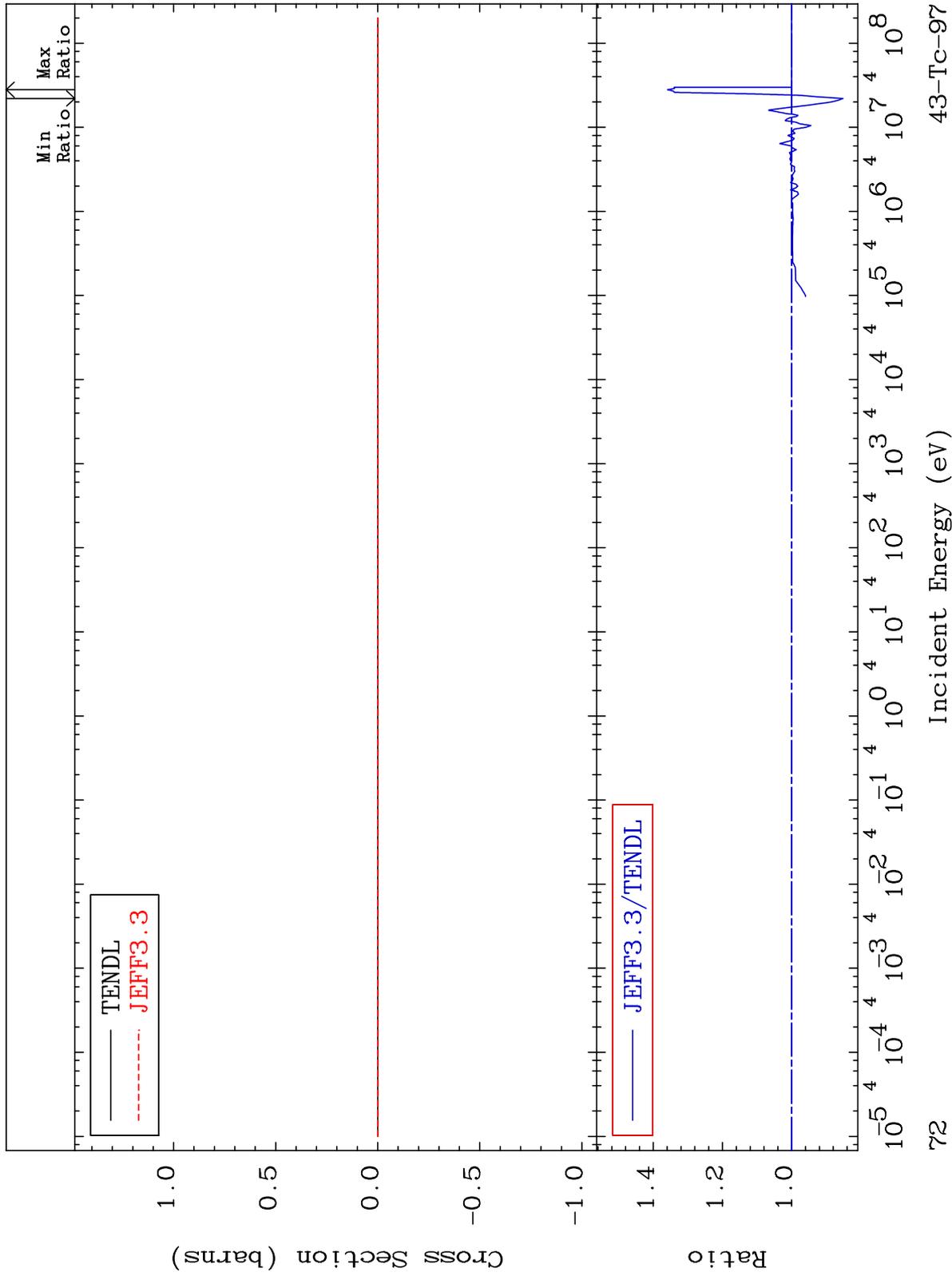
Incident Energy (eV)

71

MAT 4319

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

43-Tc-97
-14.78 To 35.86 %



72

Incident Energy (eV)

43-Tc-97

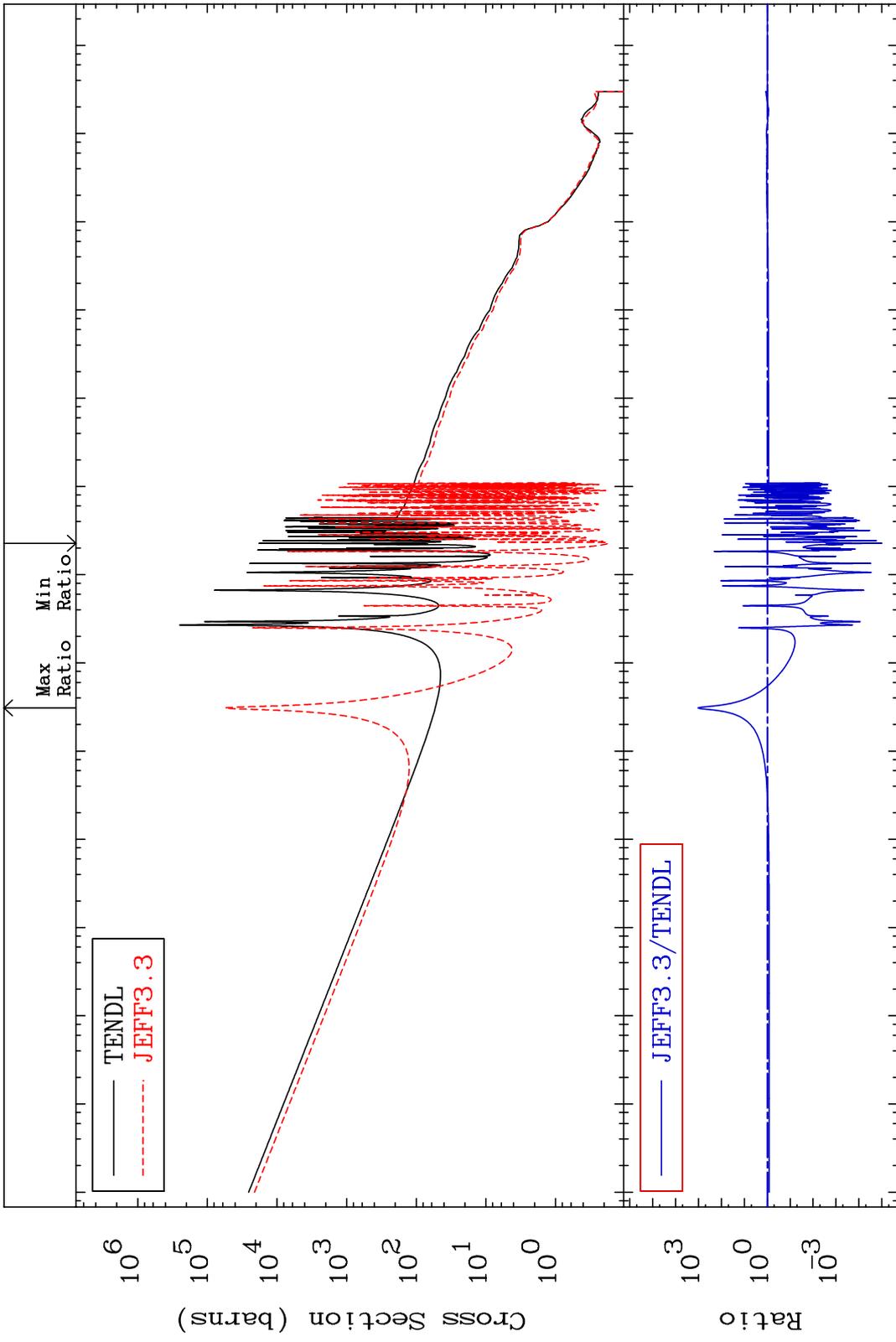
MAT 4319

Kerma capture (mt102)

43-Tc-97

-100.0 To 9999. %

Cross Section



73

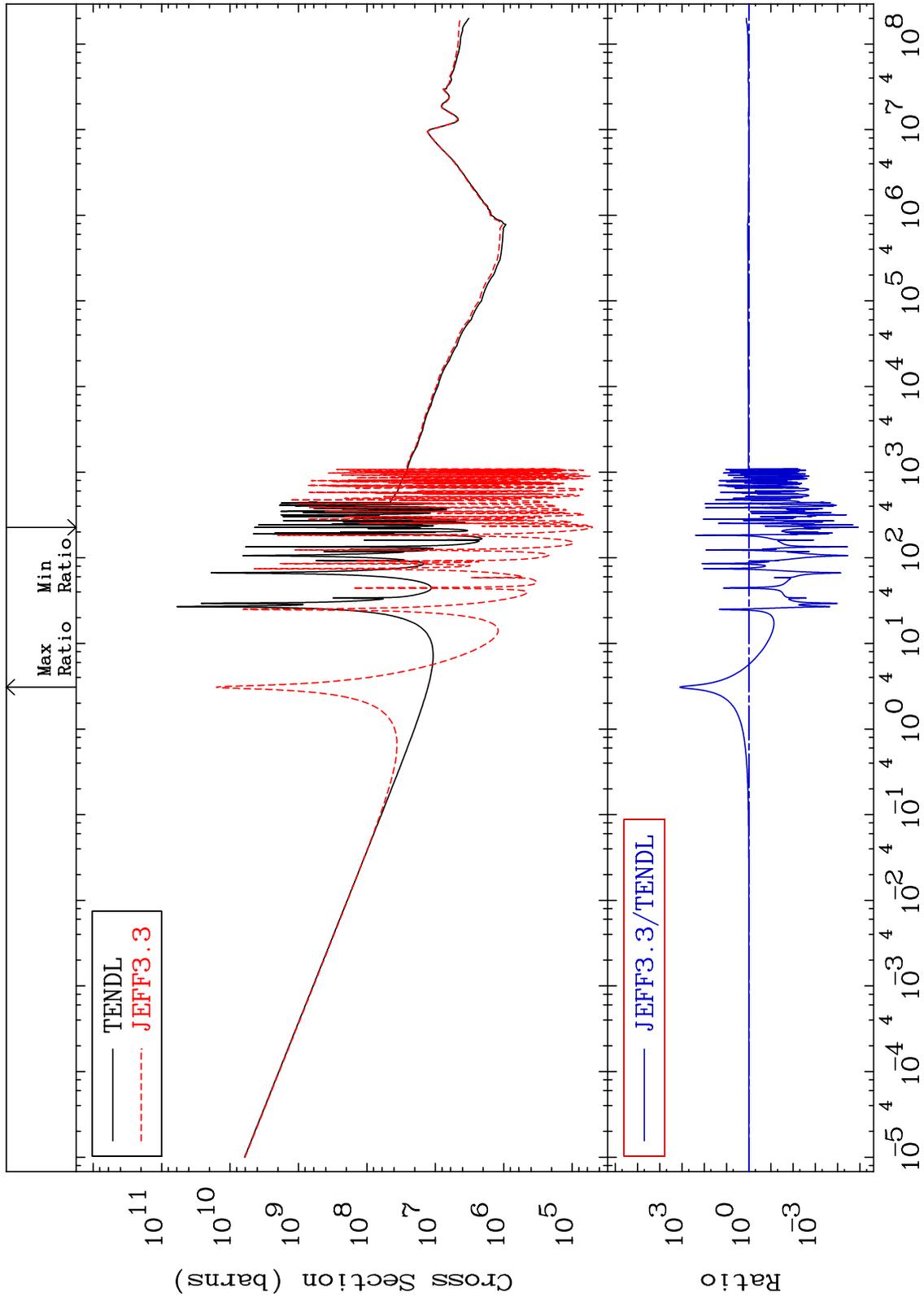
Incident Energy (eV)

43-Tc-97

MAT 4319

Total photon (eV-barns)
Cross Section

43-Tc-97
-100.0 To 9999. %

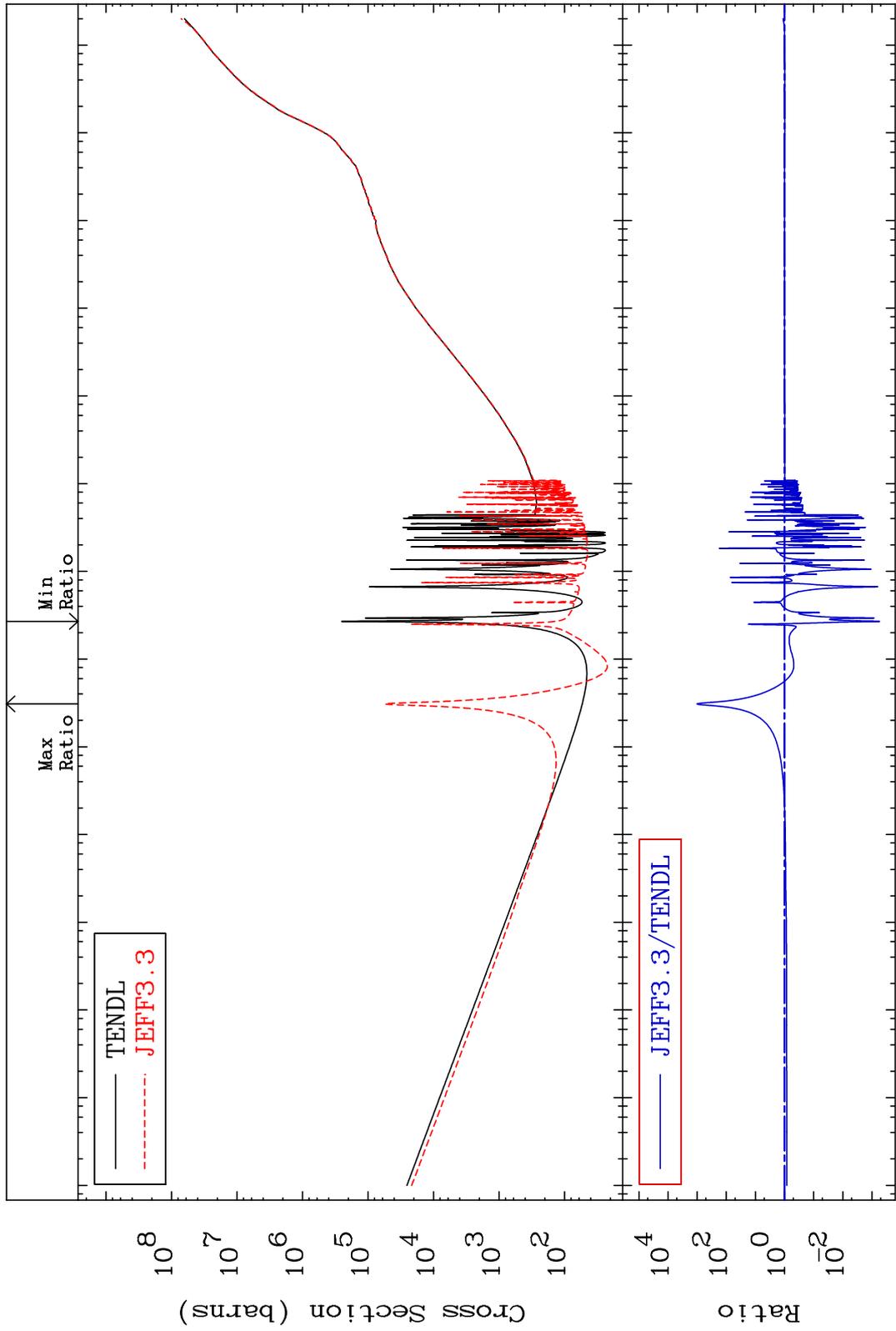


74

Incident Energy (eV)

43-Tc-97

MAT 4319 Total kinematic kerma (high limit) 43-Tc-97
Cross Section -99.95 To 9999. %



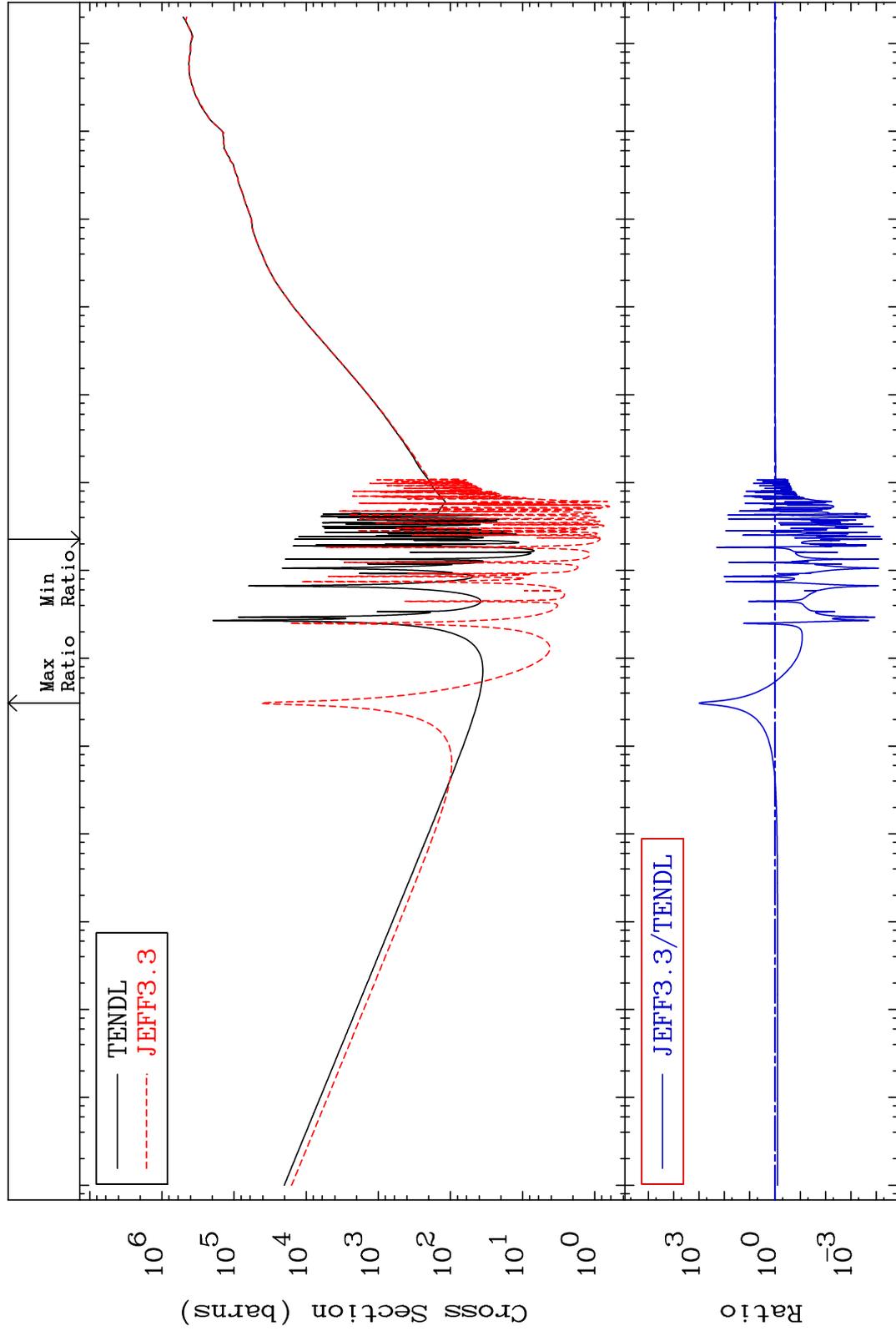
MAT 4319

Dpa total (eV-barns)

43-Tc-97

-99.99 To 9999. %

Cross Section



76

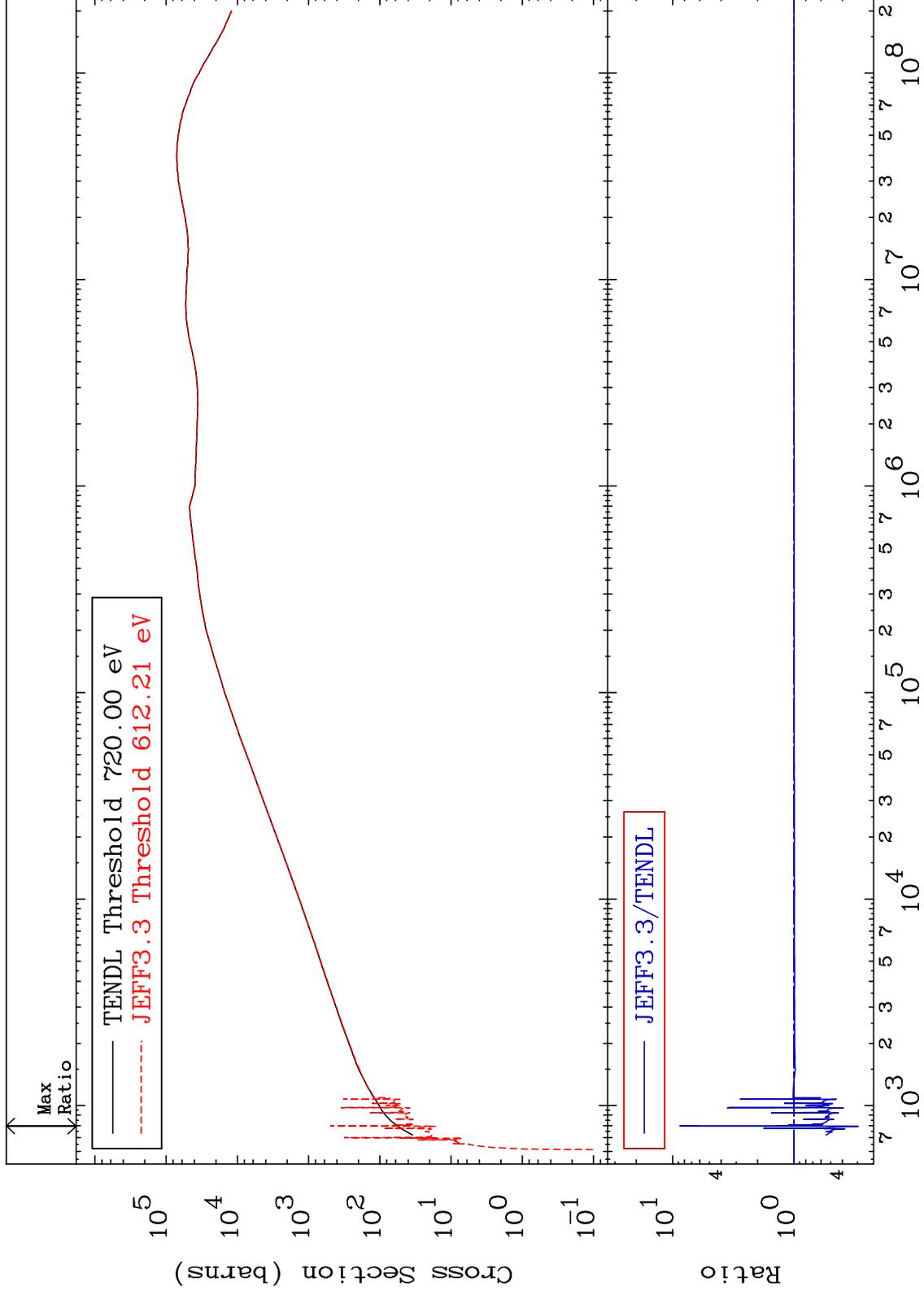
Incident Energy (eV)

43-Tc-97

MAT 4319

Dpa elastic (mt2)
Cross Section

43-Tc-97
-70.51 To 772.7 %



77

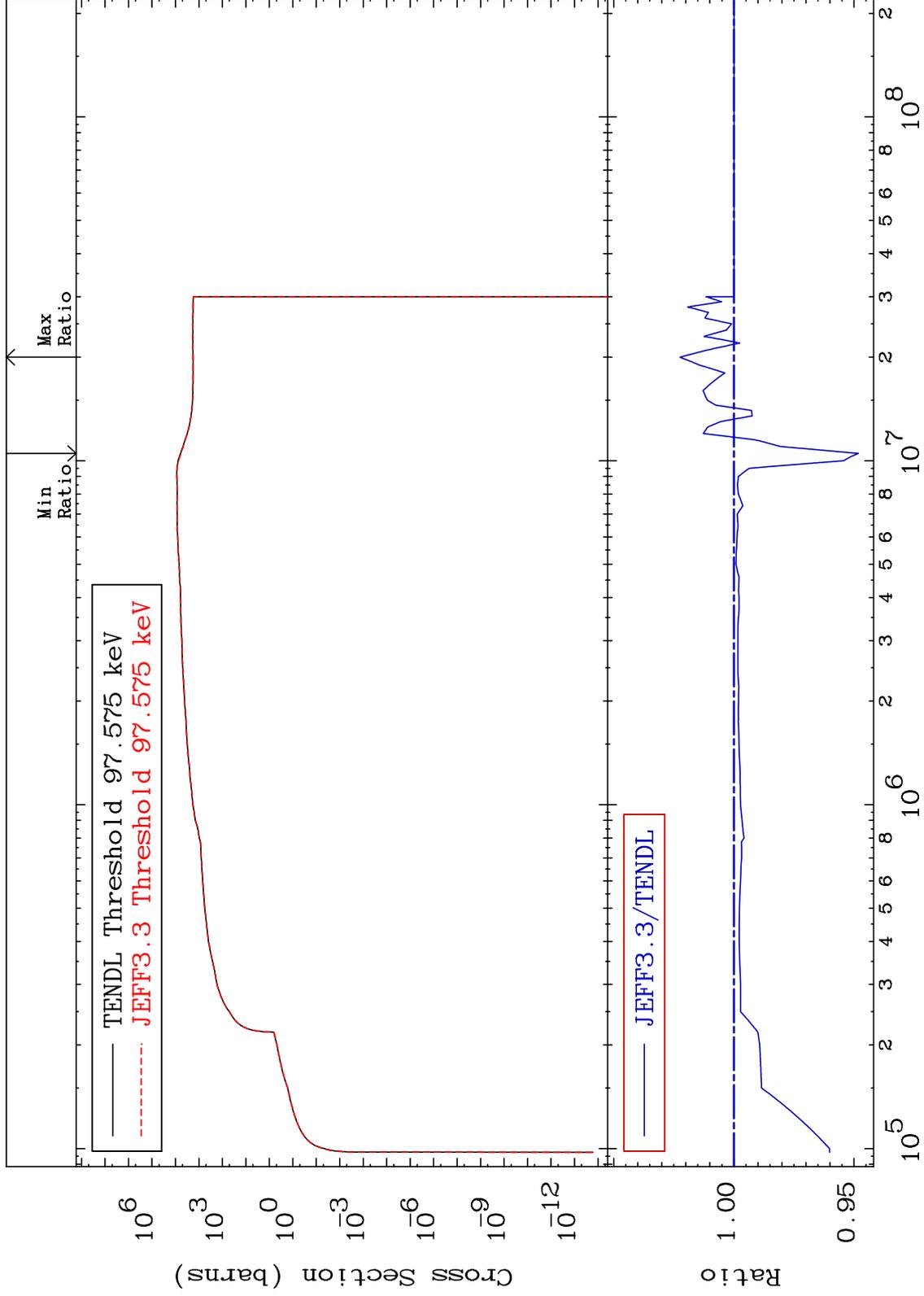
Incident Energy (eV)

43-Tc-97

MAT 4319

Dpa inelastic (mt51-91)
Cross Section

43-Tc-97
-5.181 To 2.245 %



78

Incident Energy (eV)

43-Tc-97

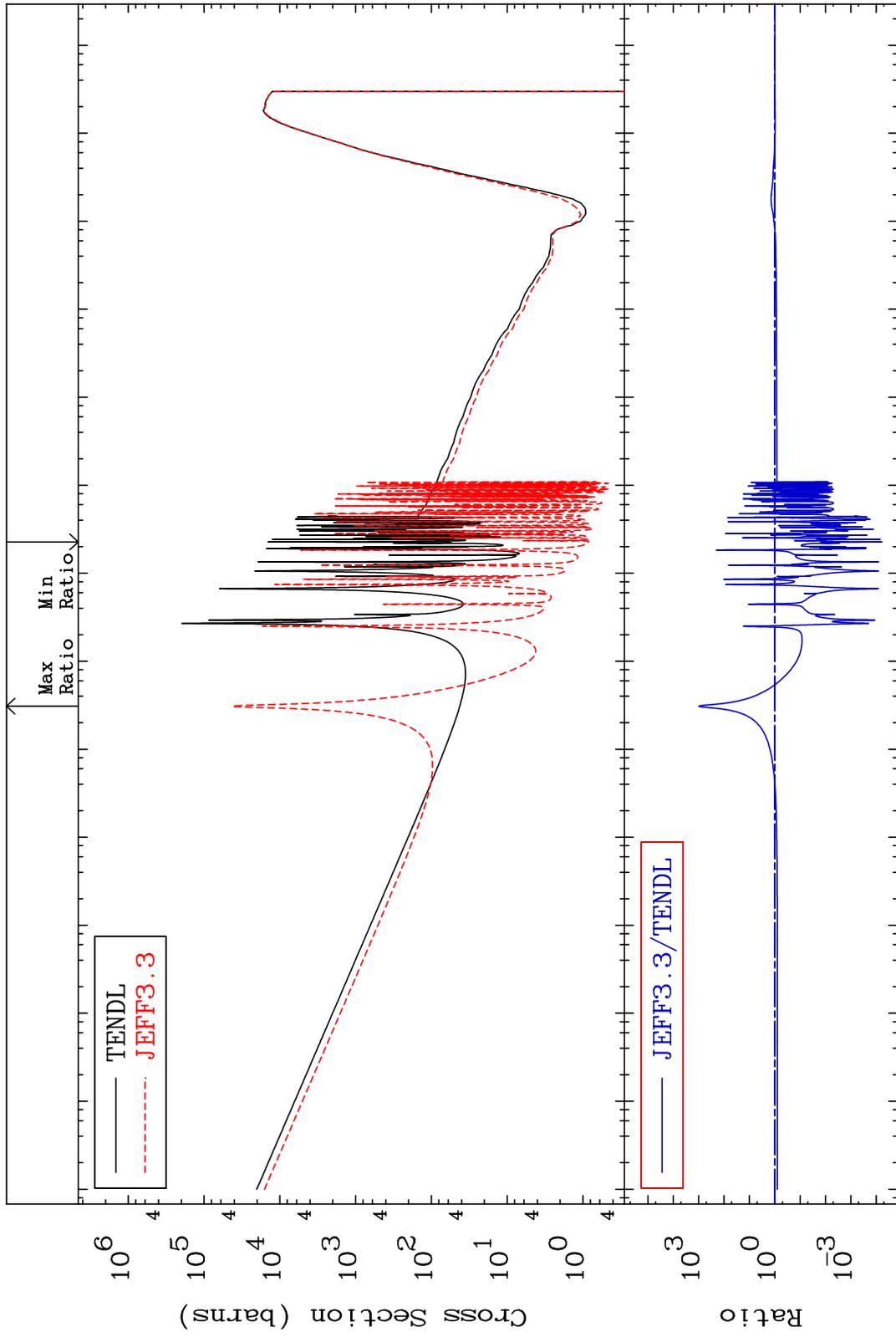
MAT 4319

Dpa disappearance (mt102 -120)

43-Tc-97

-99.99 To 9999. %

Cross Section



79

Incident Energy (eV)

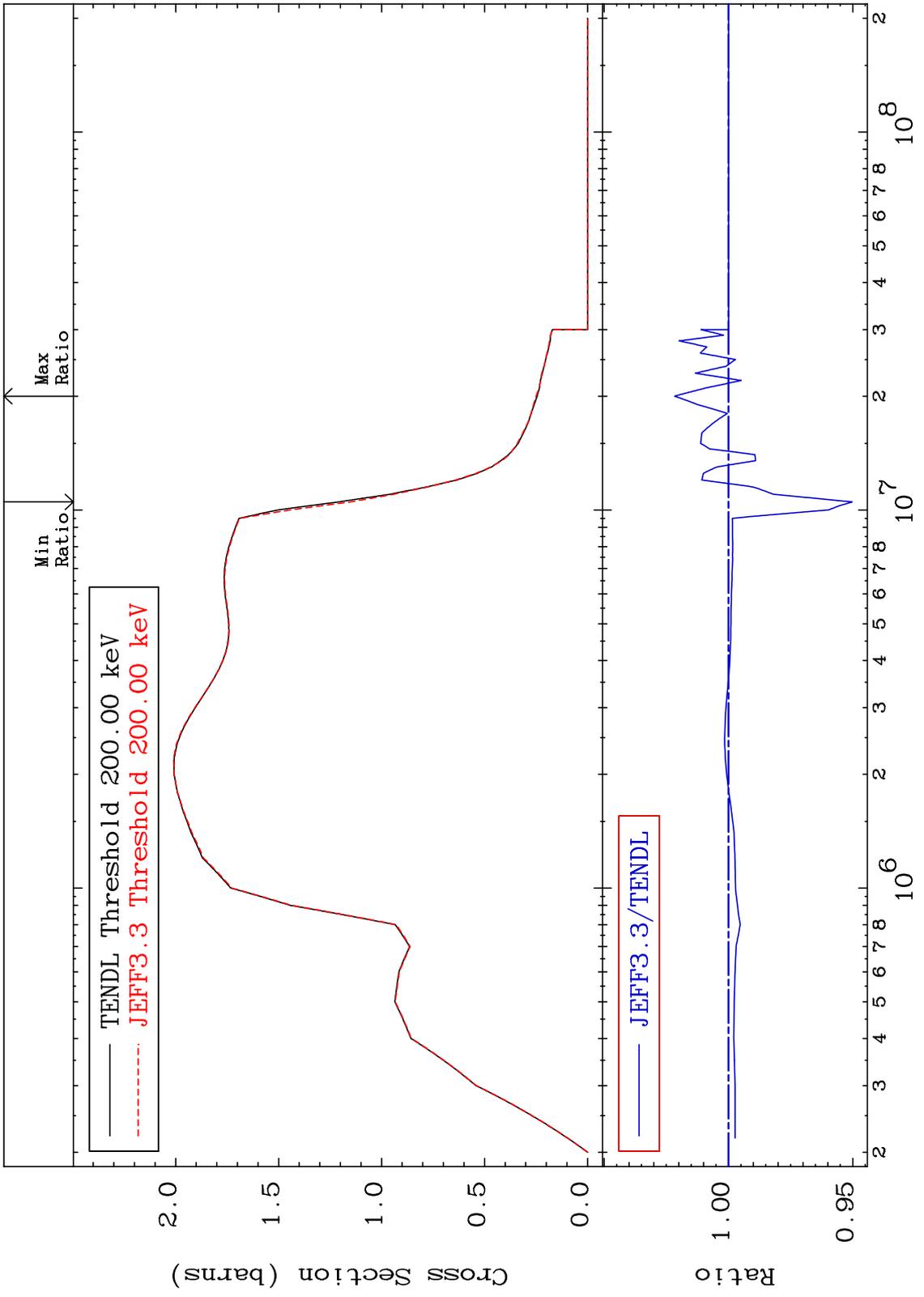
43-Tc-97

MAT 4319

43-Tc-97

Inelastic: 43-Tc-97g

Radionuclide Production Cross Section -4.979 To 2.169 %



80

Incident Energy (eV)

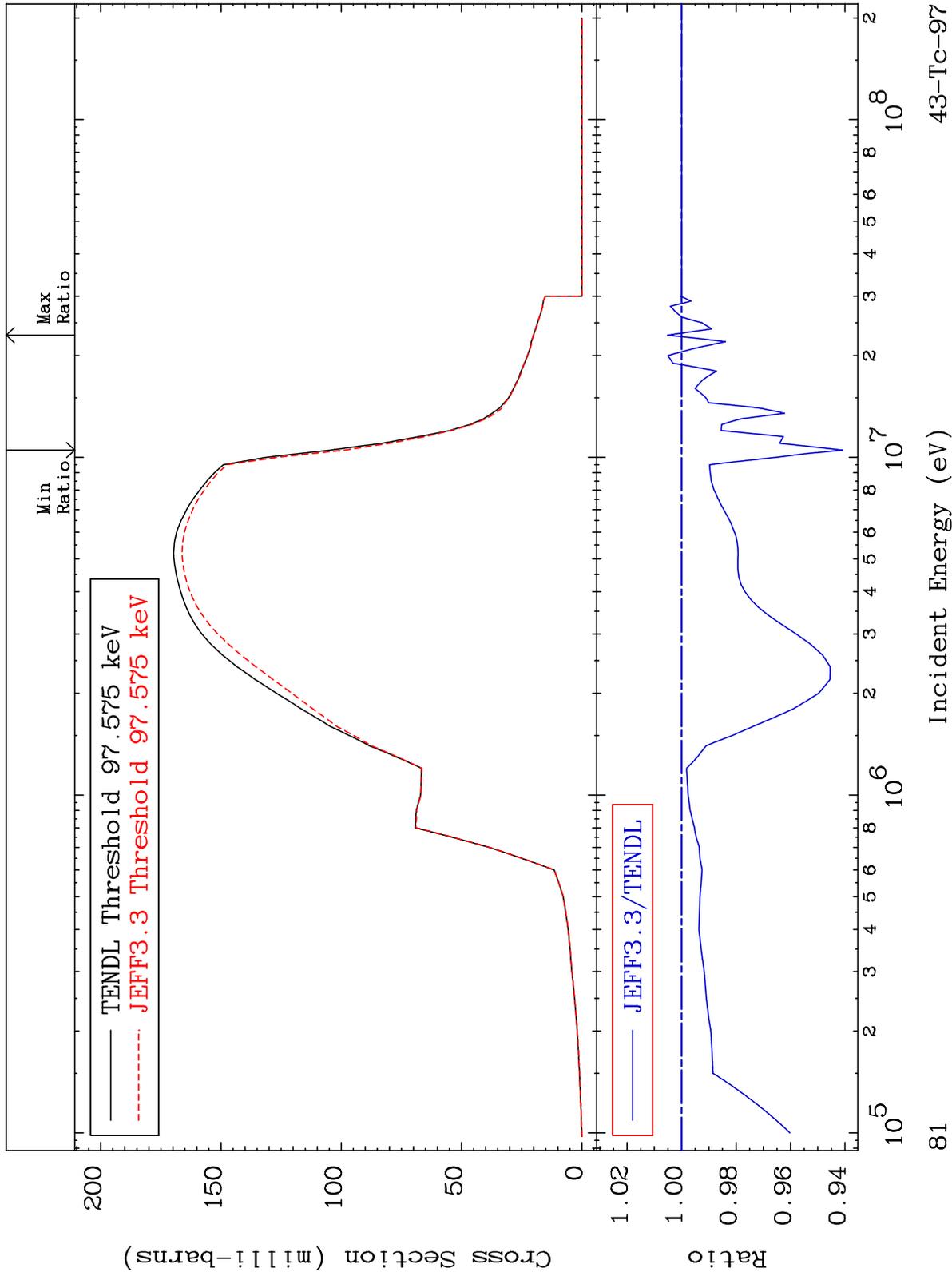
43-Tc-97

MAT 4319

Inelastic: 43-Tc-97m1

43-Tc-97

Radionuclide Production Cross Section -5.920 To 0.513 %



81

Incident Energy (eV)

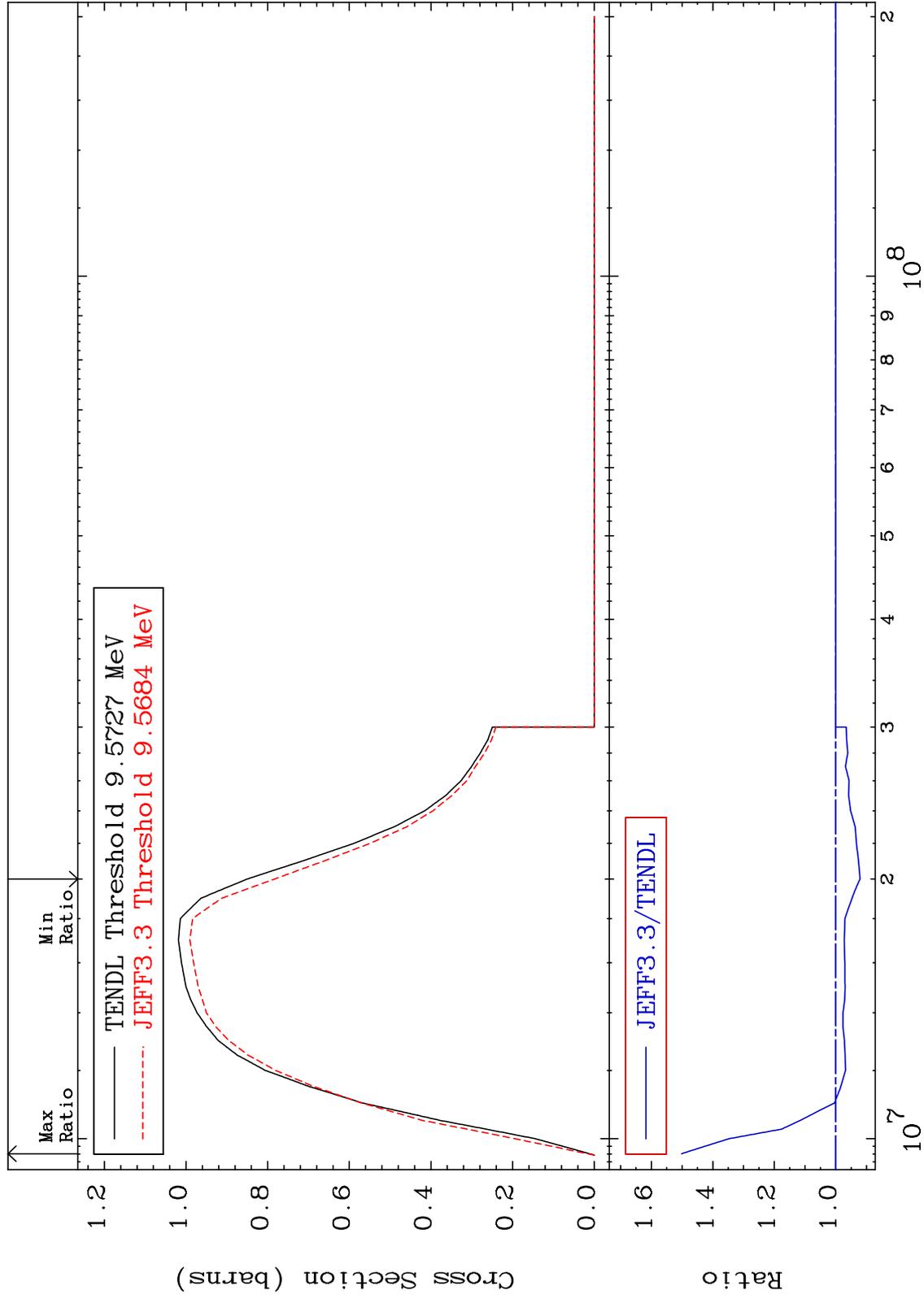
43-Tc-97

MAT 4319

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

43-Tc-97

Radionuclide Production Cross Section -7.880 To 50.16 %



82

Incident Energy (eV)

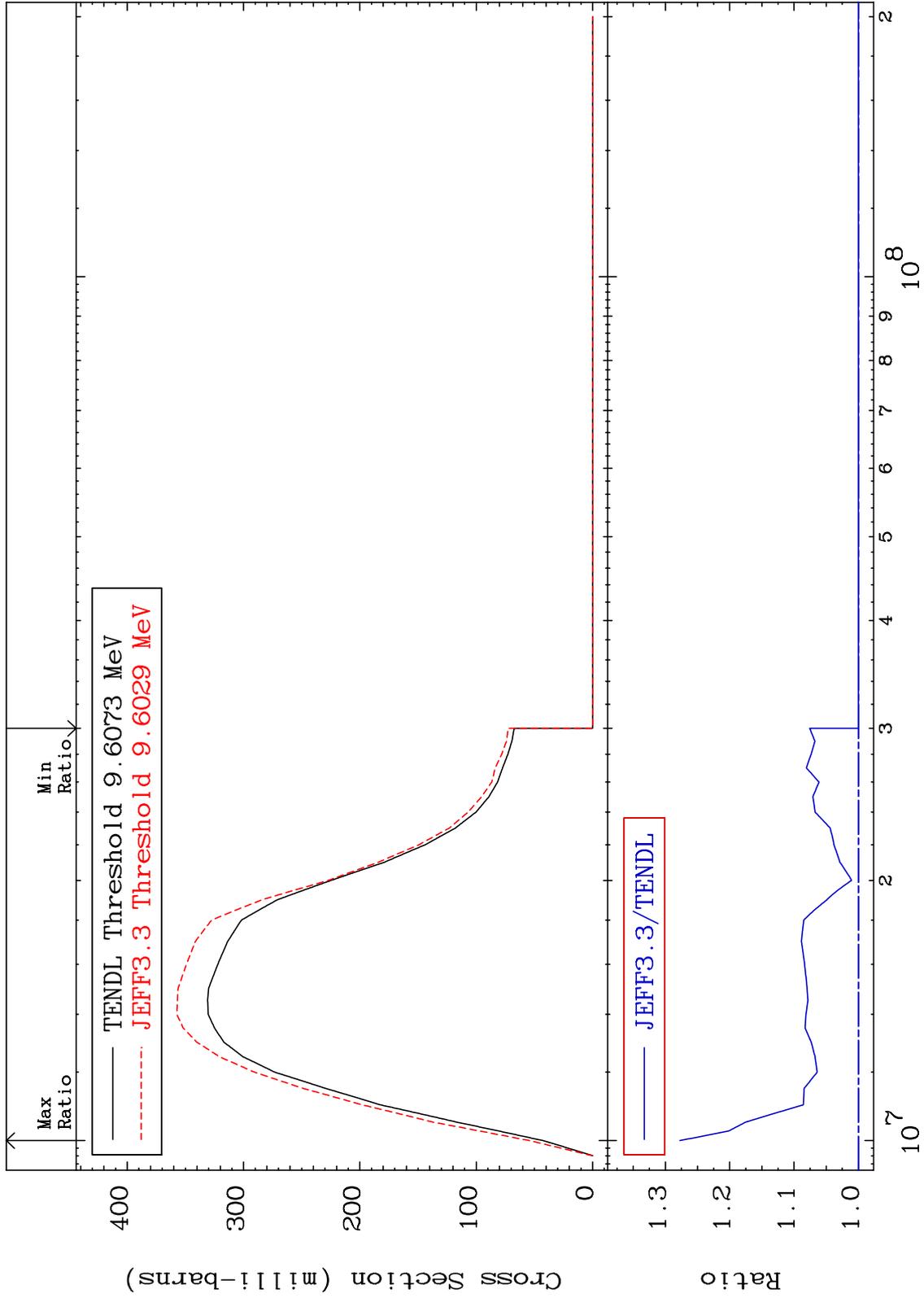
43-Tc-97

MAT 4319

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

43-Tc-97

Radionuclide Production Cross Section 0.000 To 27.74 %



83

Incident Energy (eV)

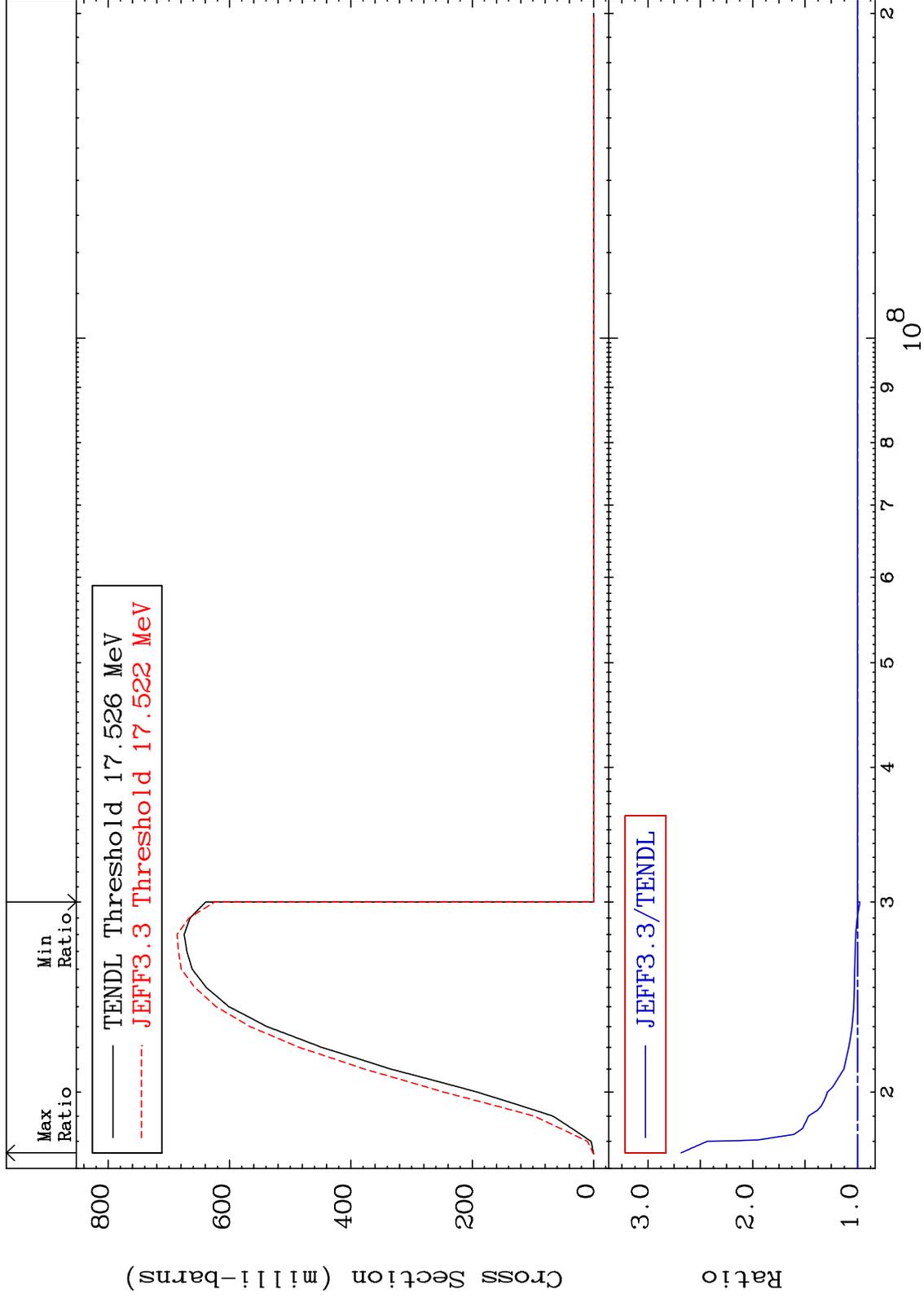
43-Tc-97

MAT 4319

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

43-Tc-97

Radionuclide Production Cross Section -2.337 To 168.3 %



84

Incident Energy (eV)

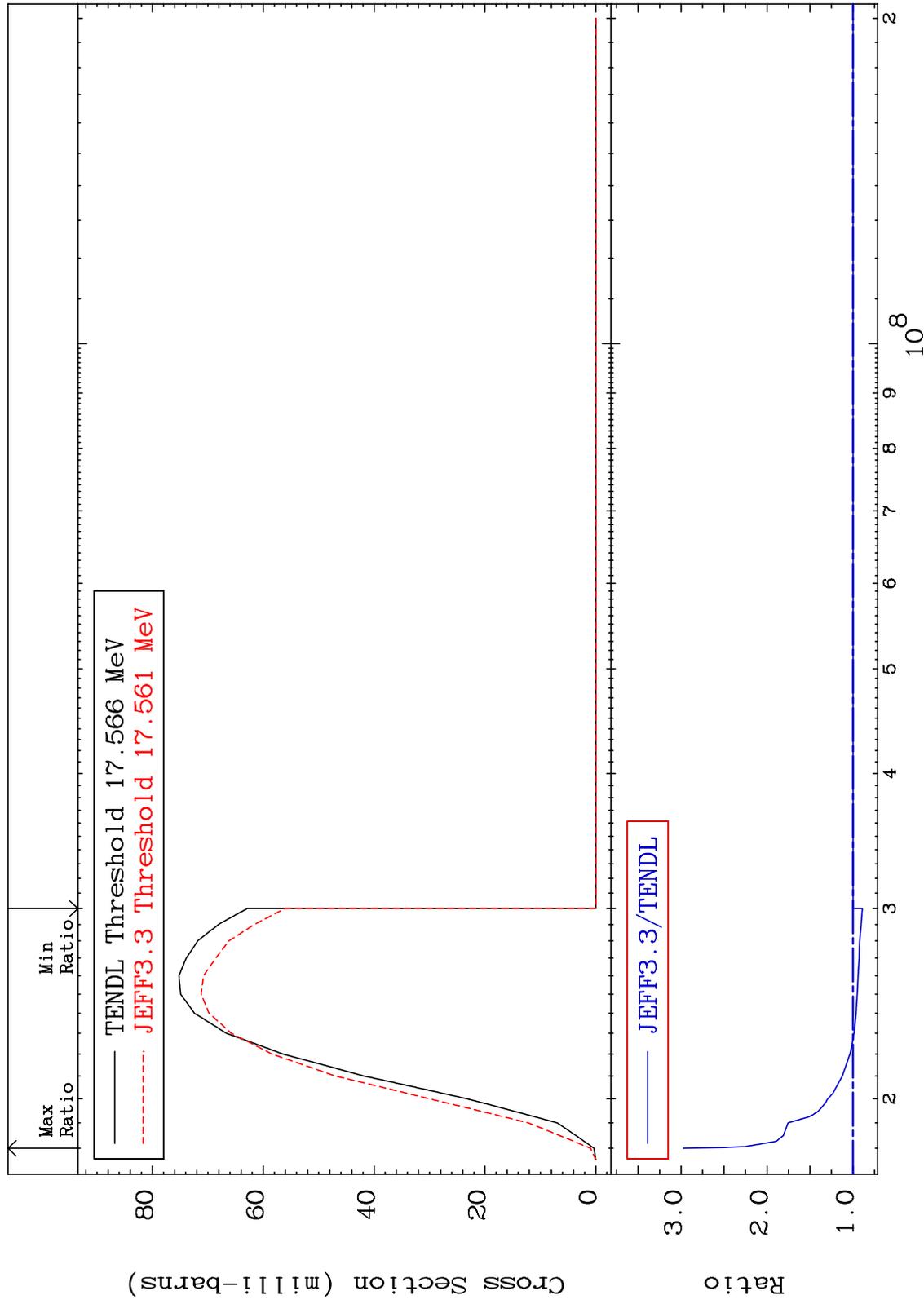
43-Tc-97

MAT 4319

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

43-Tc-97

Radionuclide Production Cross Section -10.87 To 197.3 %



85

Incident Energy (eV)

43-Tc-97

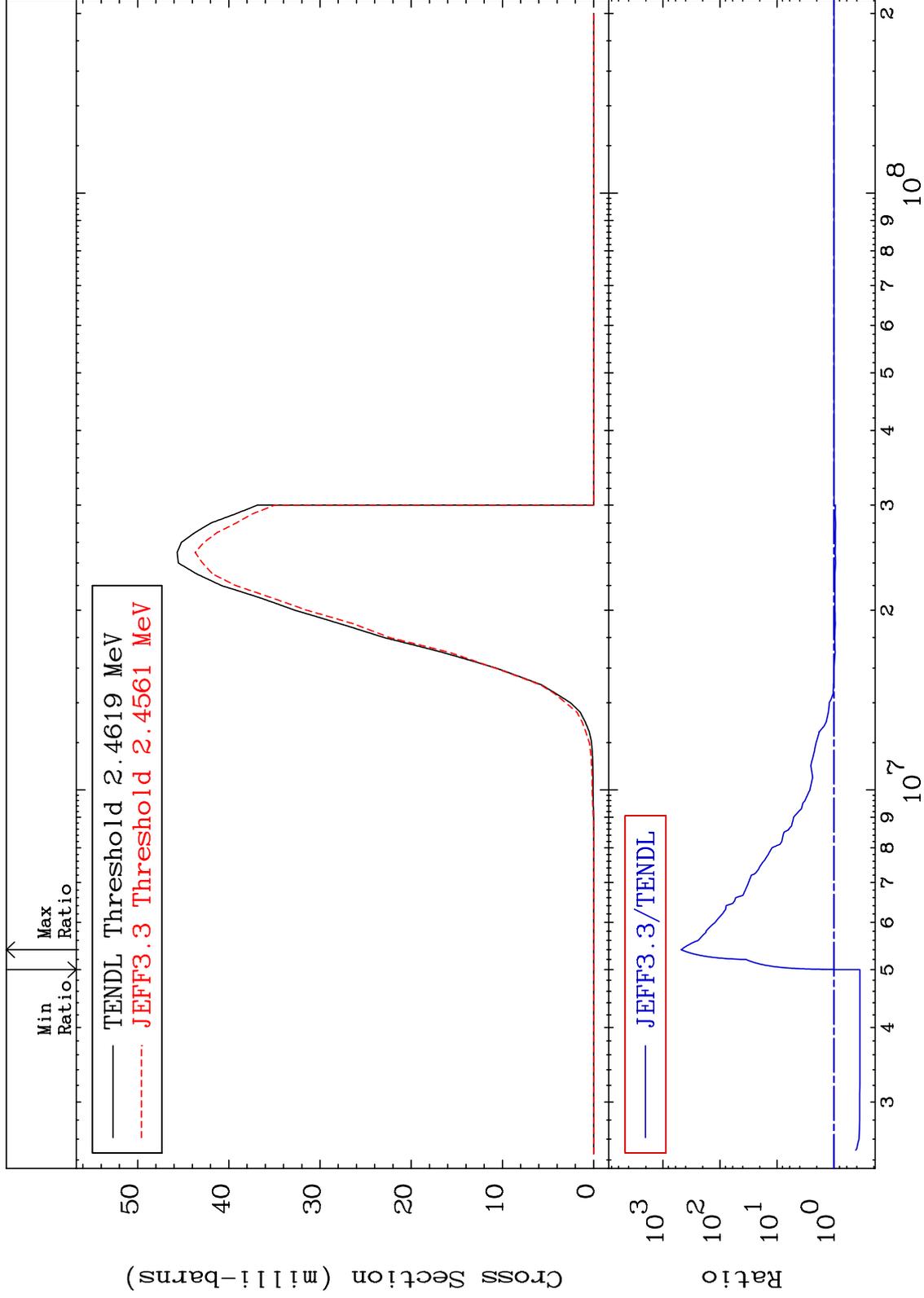
MAT 4319

(n, n') α : 41-Nb-93g

43-Tc-97

Radionuclide Production Cross Section

-64.86 To 9999. %

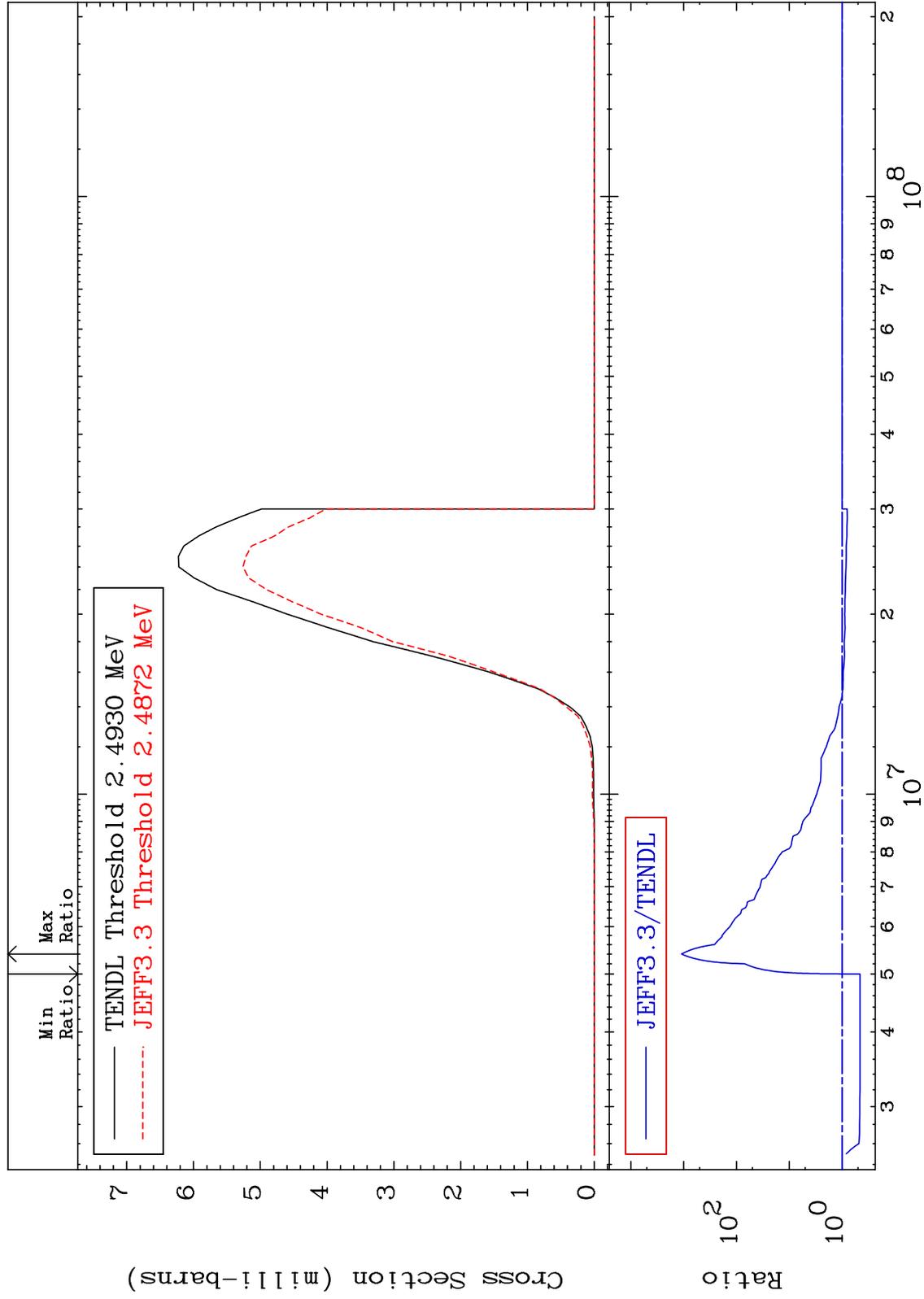


MAT 4319

(n, n') α :41-Nb-93m1

43-Tc-97

Radionuclide Production Cross Section -54.24 To 9999. %



87

Incident Energy (eV)

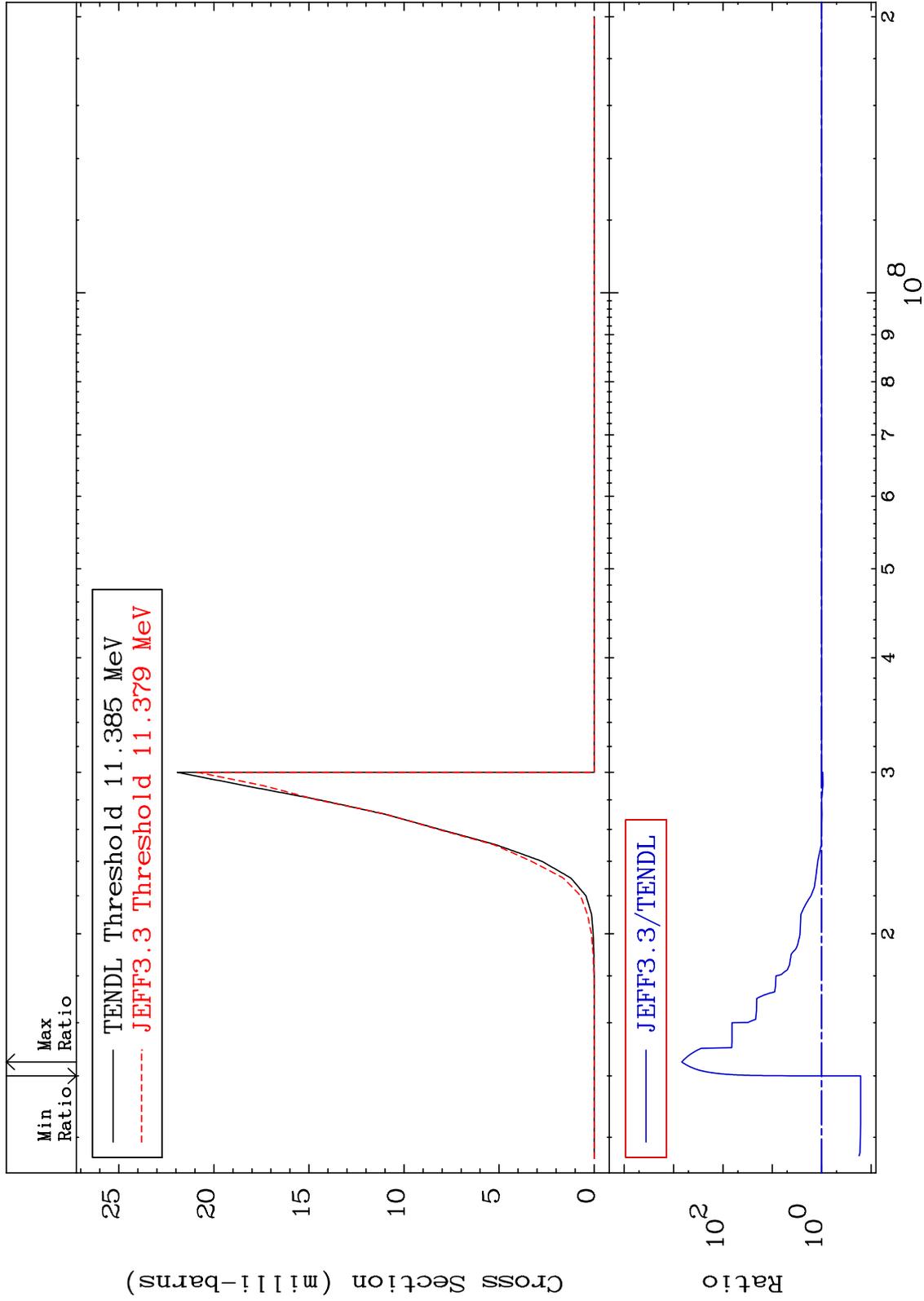
43-Tc-97

MAT 4319

(n,2n) α : 41-Nb-92g

43-Tc-97

Radionuclide Production Cross Section -83.68 To 9999. %

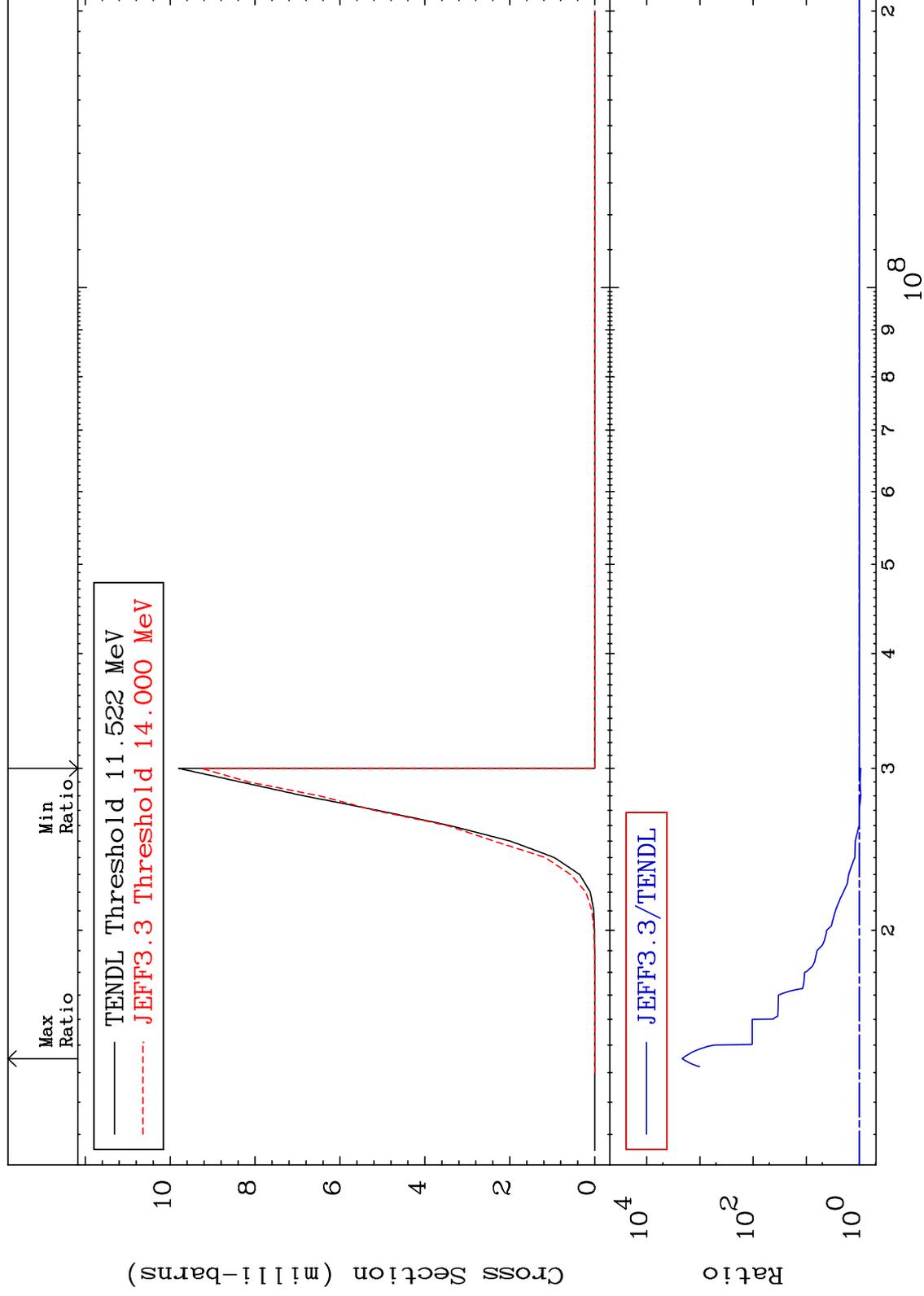


MAT 4319

(n,2n) α :41-Nb-92m1

43-Tc-97

Radionuclide Production Cross Section -5.471 To 9999. %

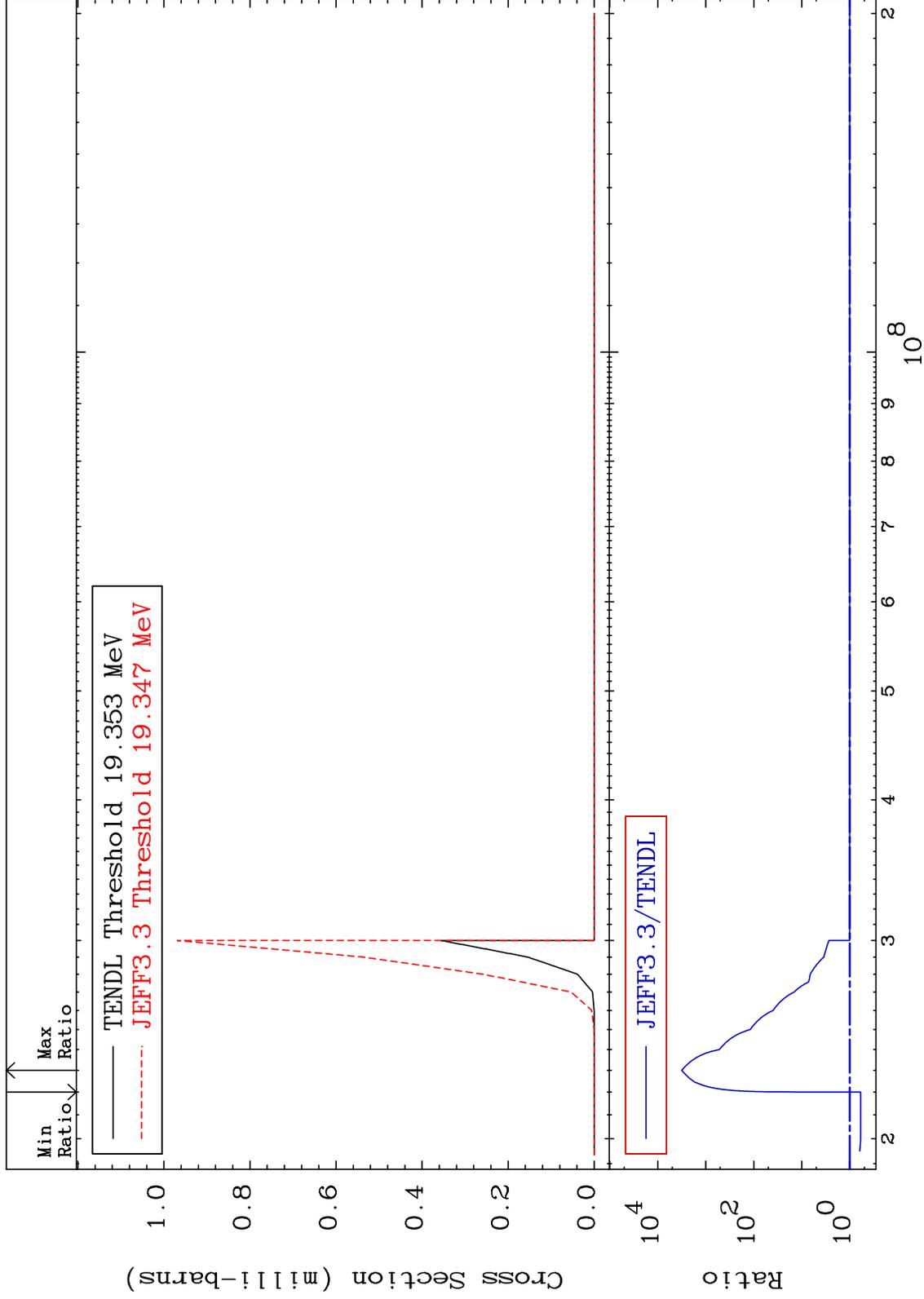


MAT 4319

(n,3n) α : 41-Nb-91g

43-Tc-97

Radionuclide Production Cross Section -40.65 To 9999. %



90

Incident Energy (eV)

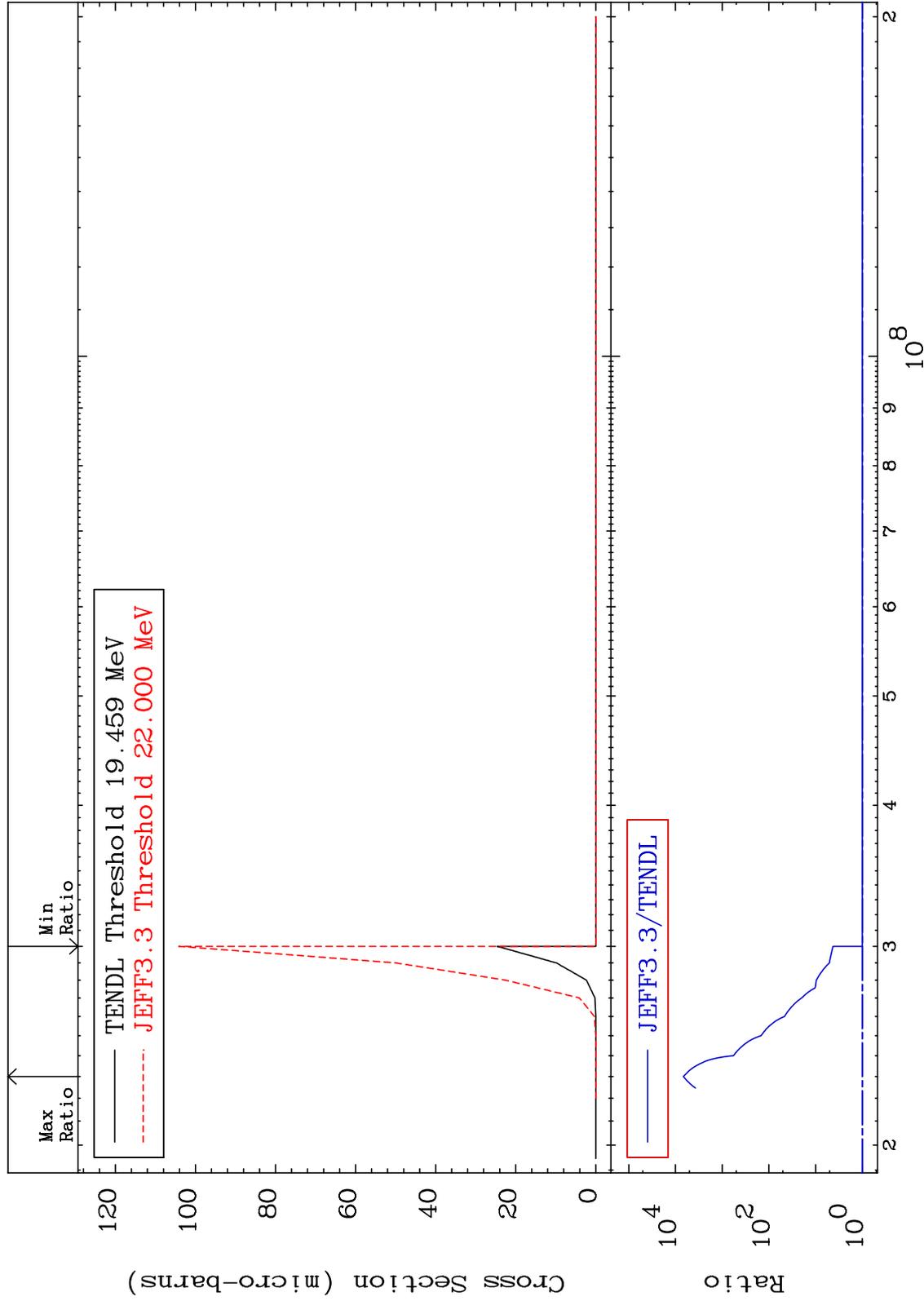
43-Tc-97

MAT 4319

(n,3n) α :41-Nb-91m1

43-Tc-97

Radionuclide Production Cross Section 0.000 To 9999. %

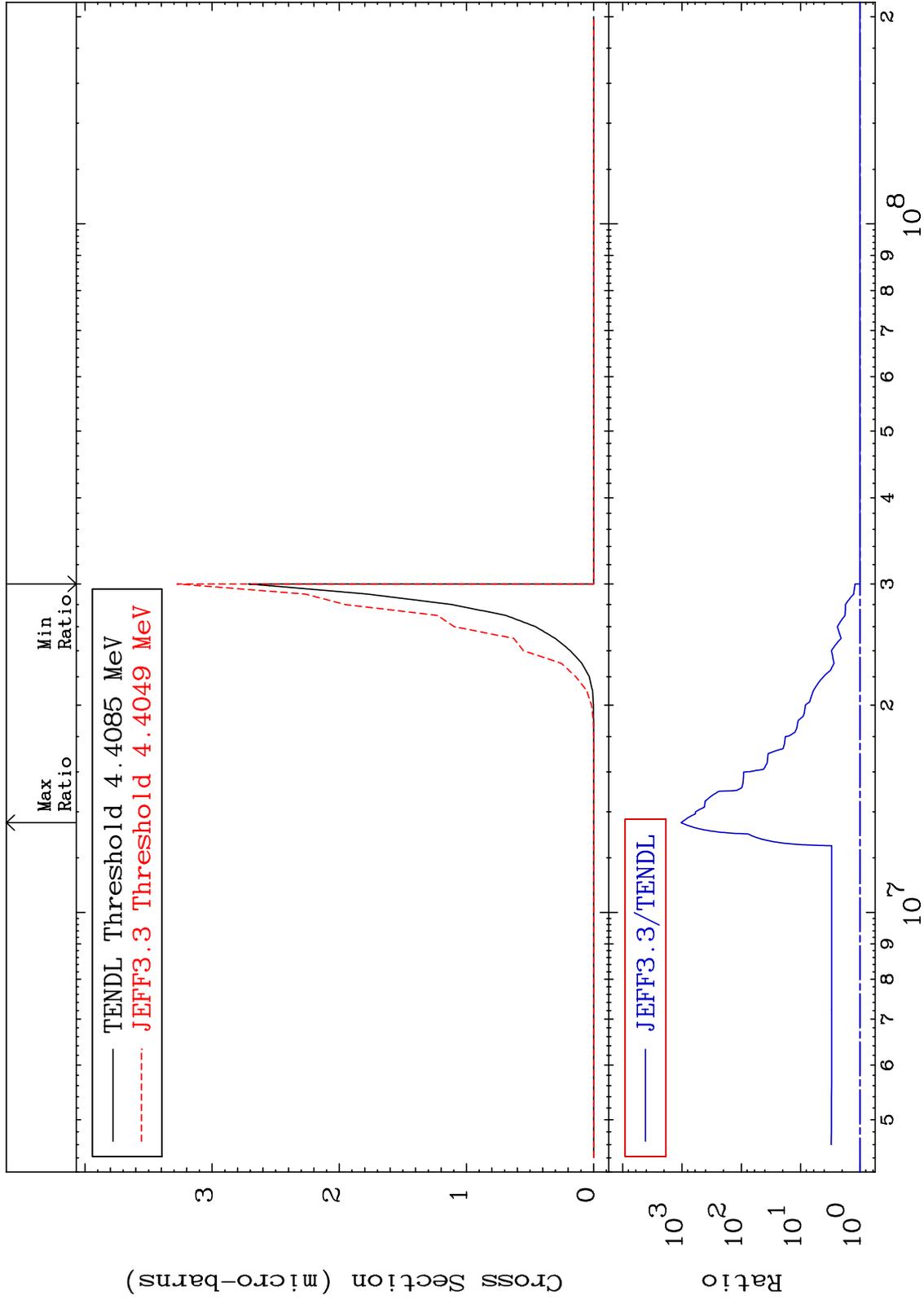


MAT 4319

43-Tc-97

(n, n') 2α:39-Y -89g

Radionuclide Production Cross Section 0.000 To 9999. %

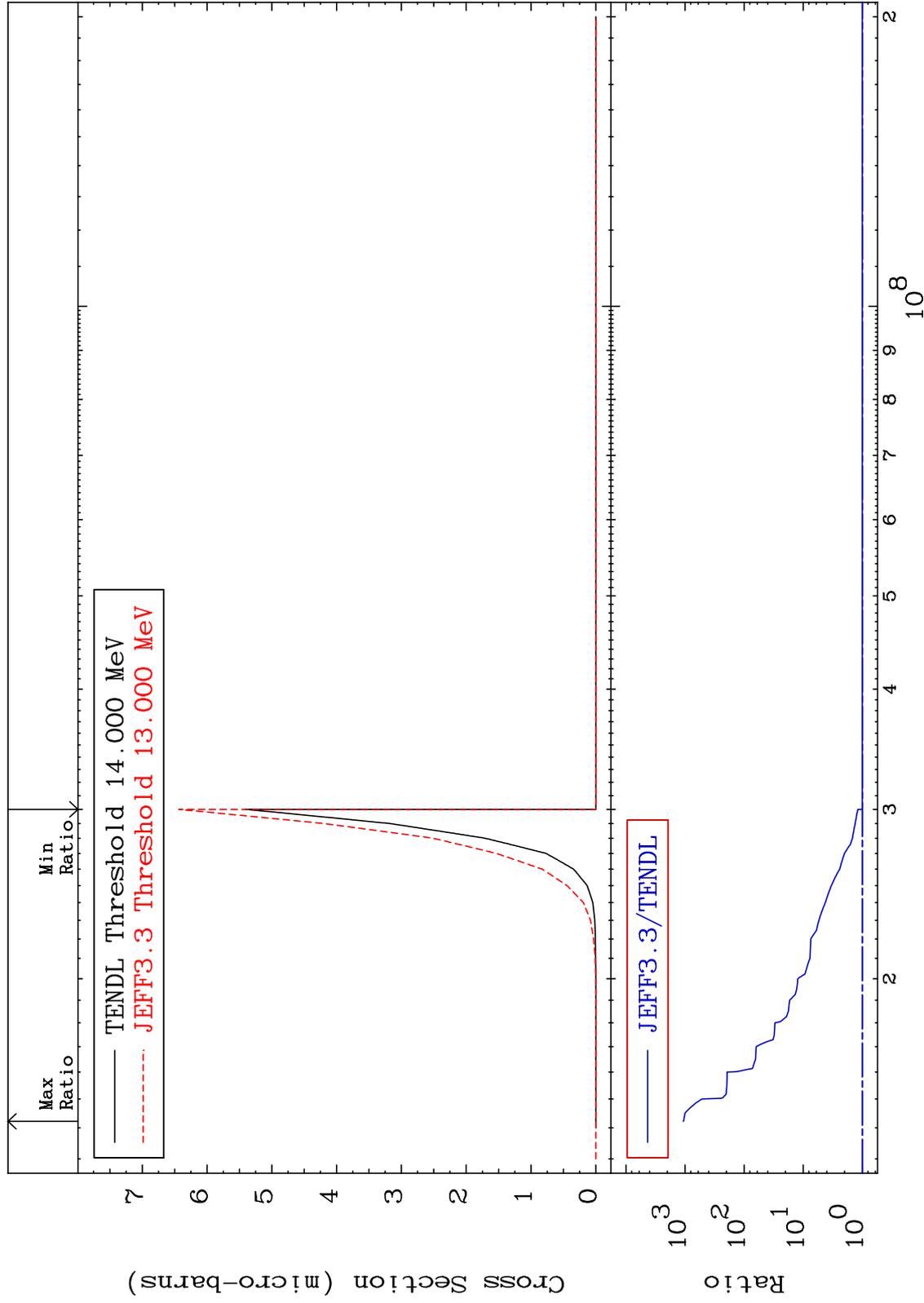


MAT 4319

(n, n') ^{239}Pu -89m1

^{43}Tc -97

Radionuclide Production Cross Section 0.000 To 9999. %

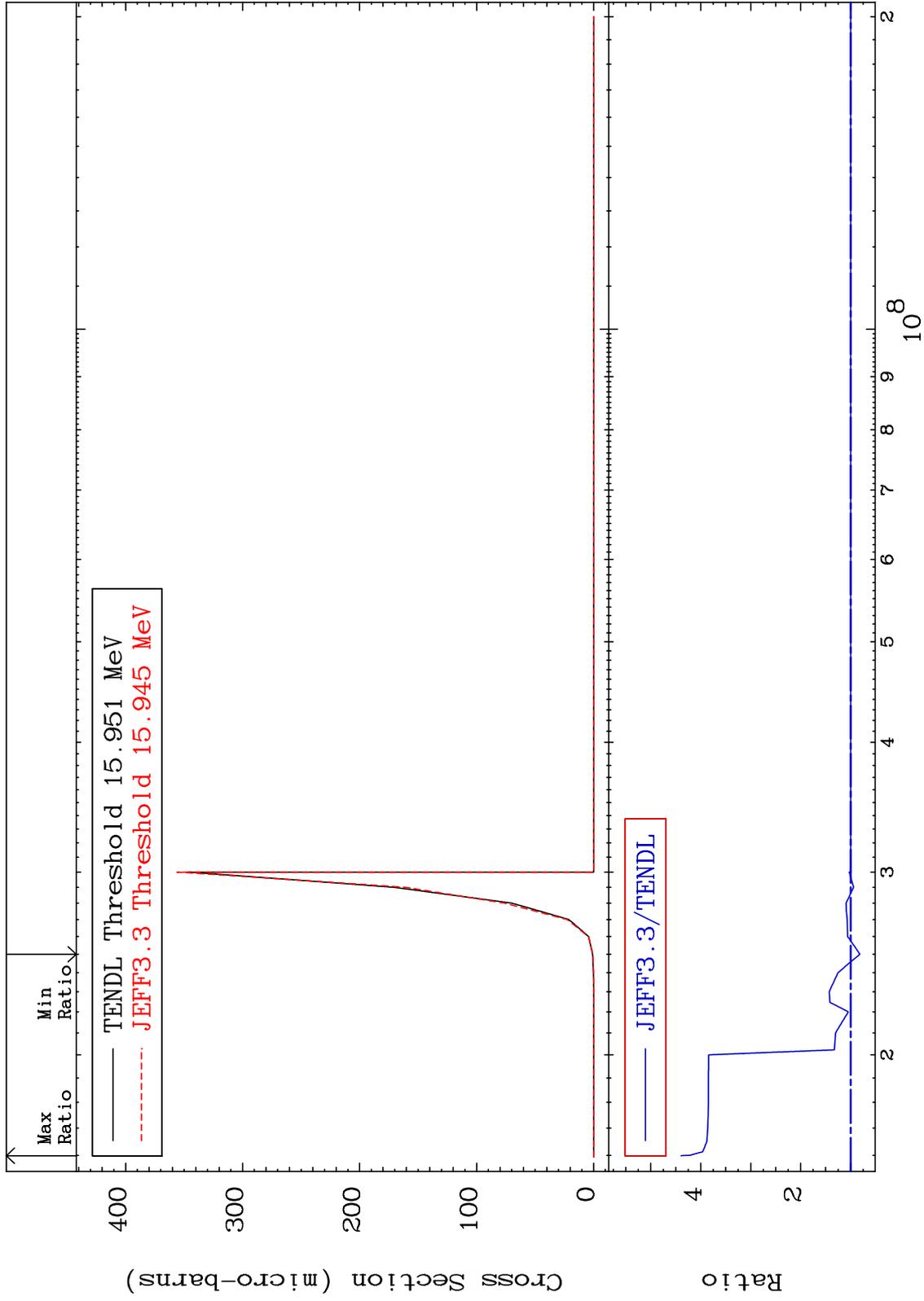


MAT 4319

43-Tc-97

(n, n') He-3: 41-Nb-94g

Radionuclide Production Cross Section -18.57 To 339.3 %



94

Incident Energy (eV)

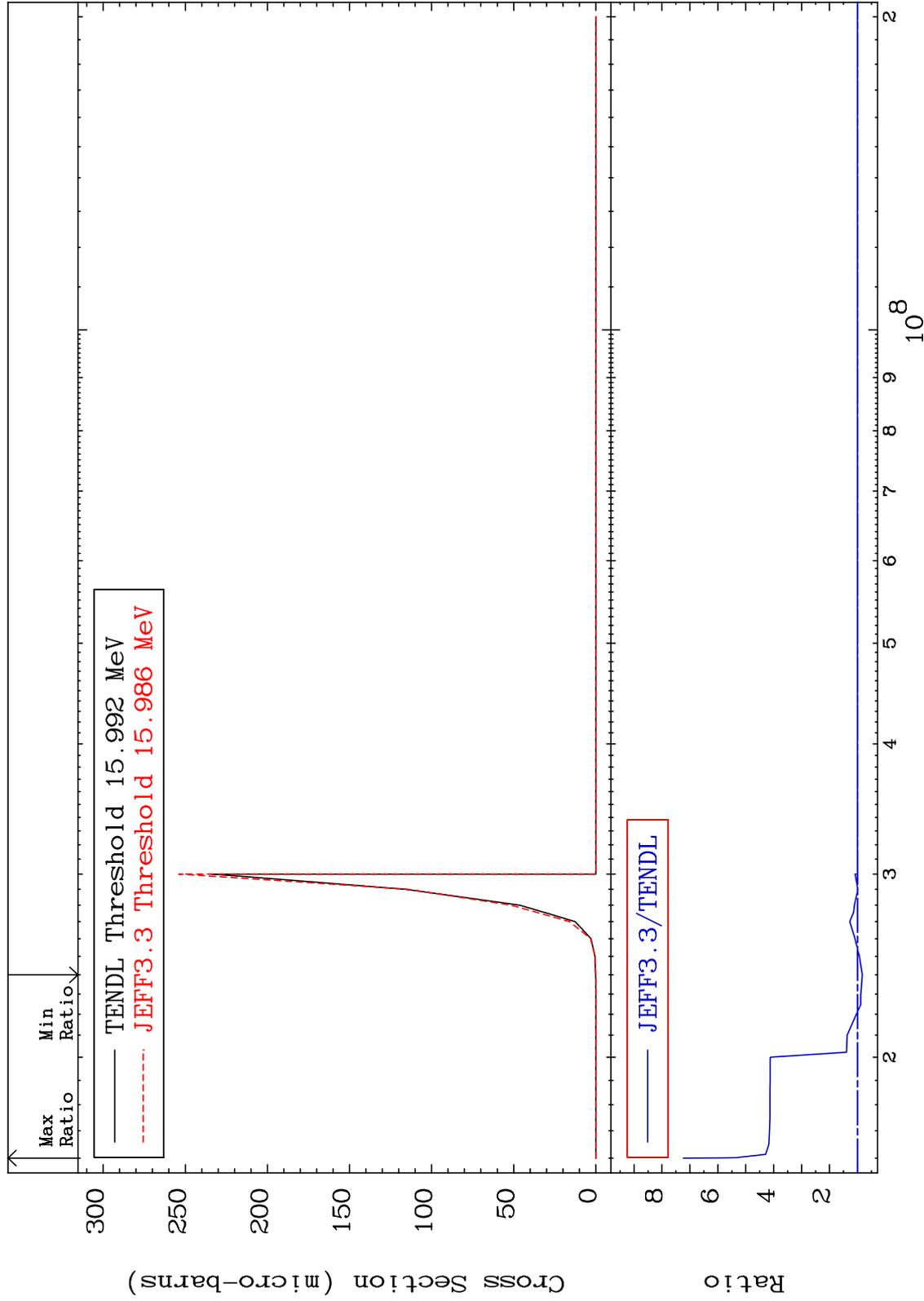
43-Tc-97

MAT 4319

(n, n') He-3:41-Nb-94m1

43-Tc-97

Radionuclide Production Cross Section -17.30 To 623.4 %



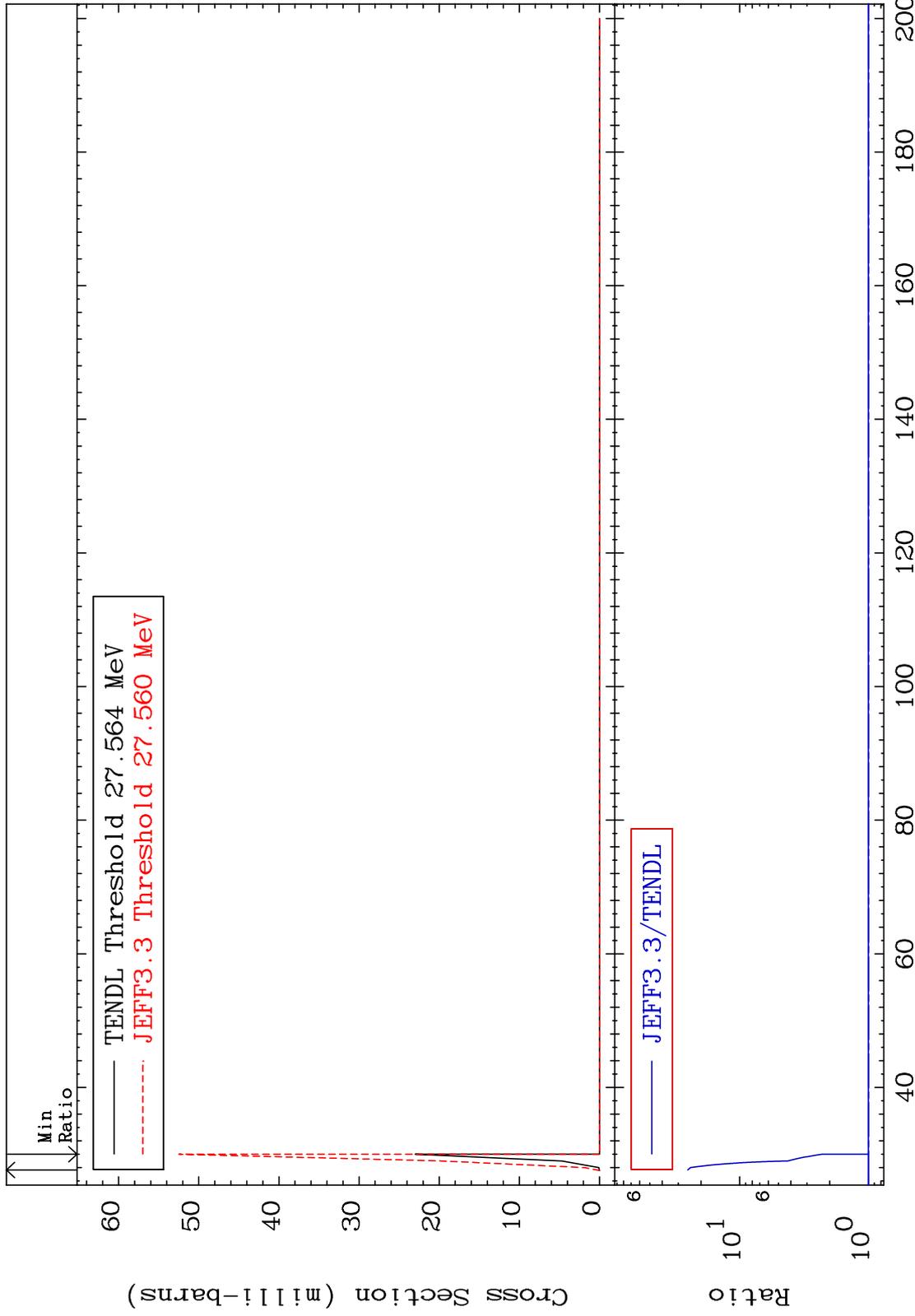
95

MAT 4319

(n,4n): 43-Tc-94g

43-Tc-97

Radionuclide Production Cross Section 0.000 To 2430. %

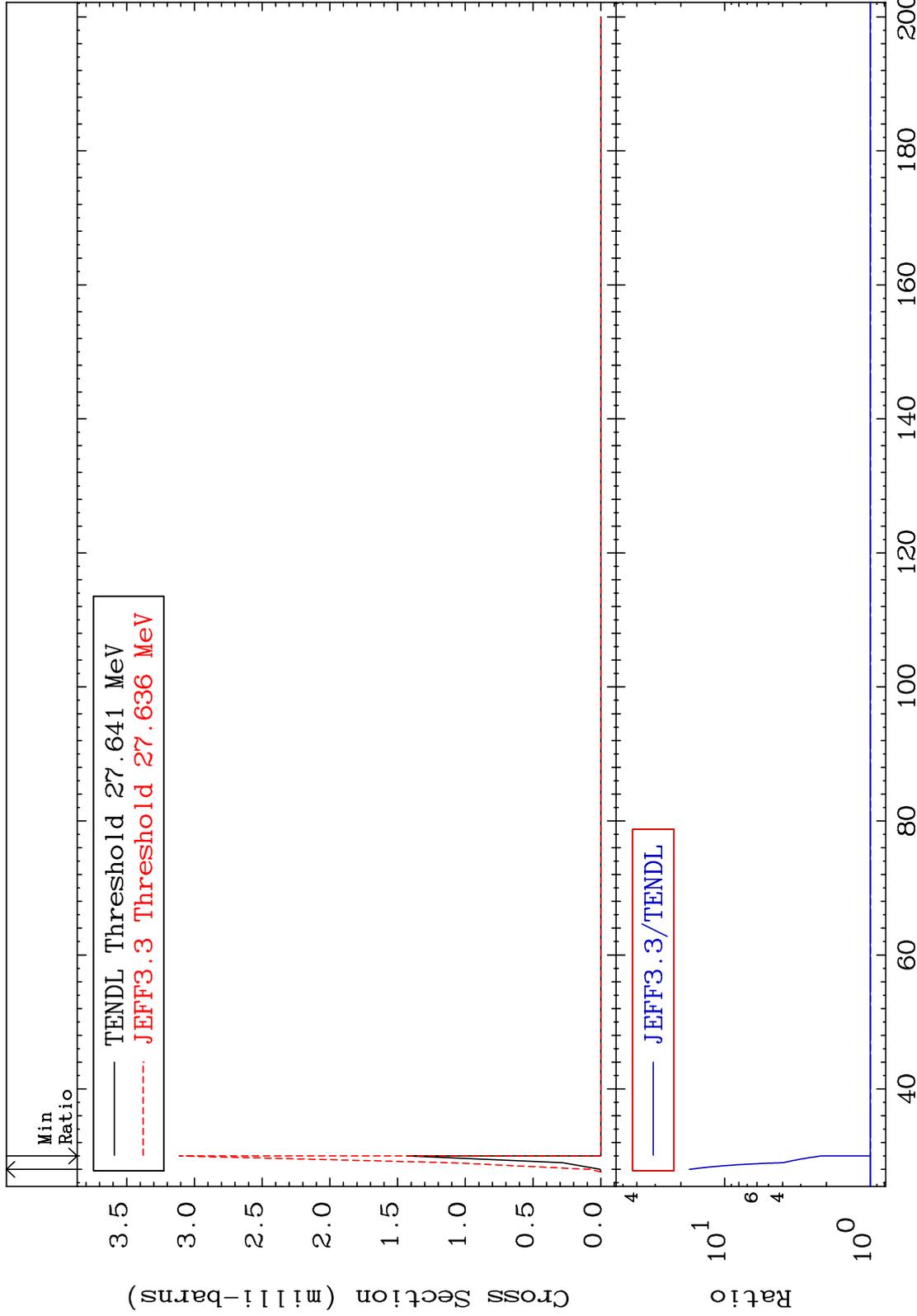


MAT 4319

(n,4n):43-Tc-94m1

43-Tc-97

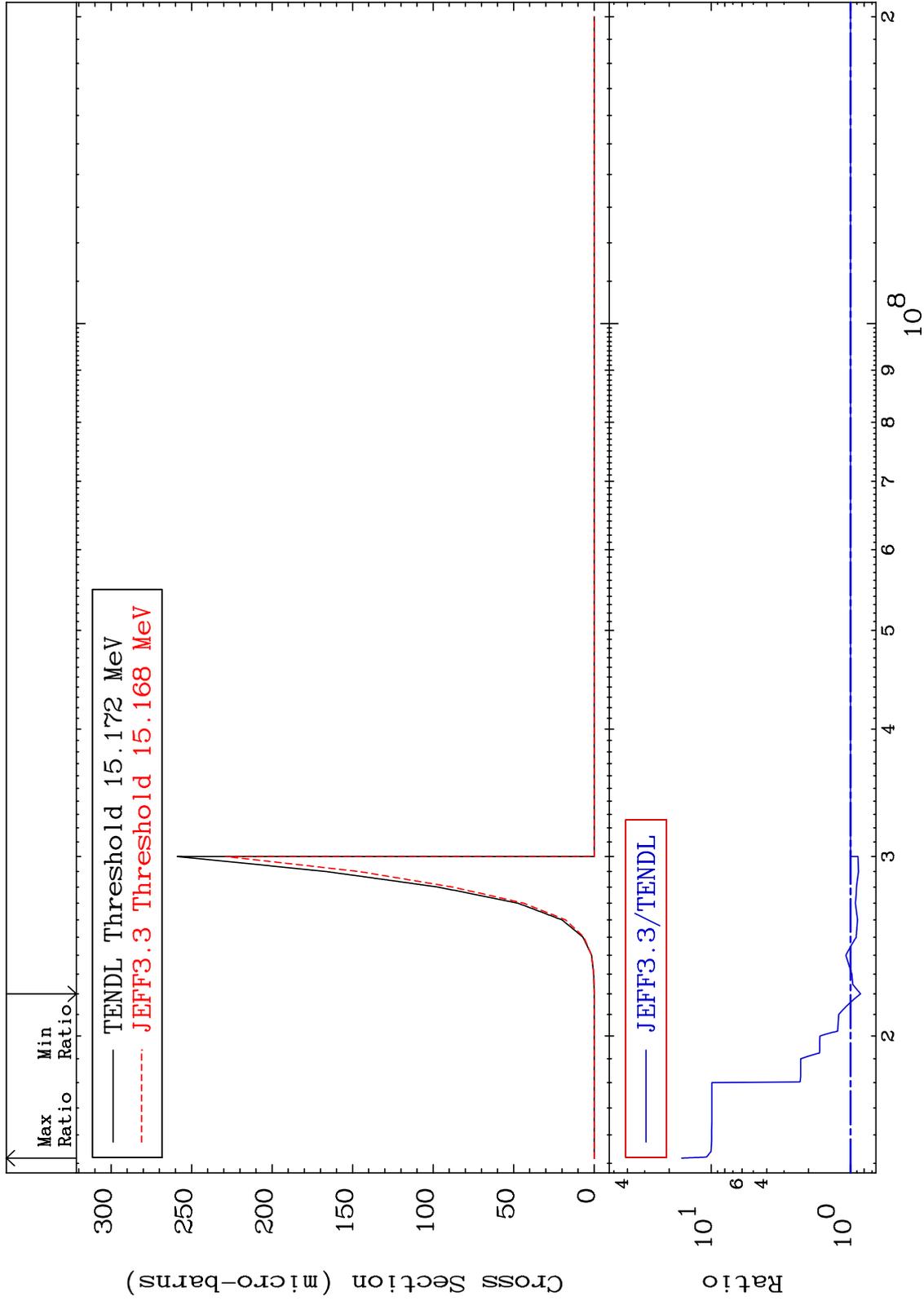
Radionuclide Production Cross Section 0.000 To 1647. %



97

Incident Energy (MeV)

43-Tc-97

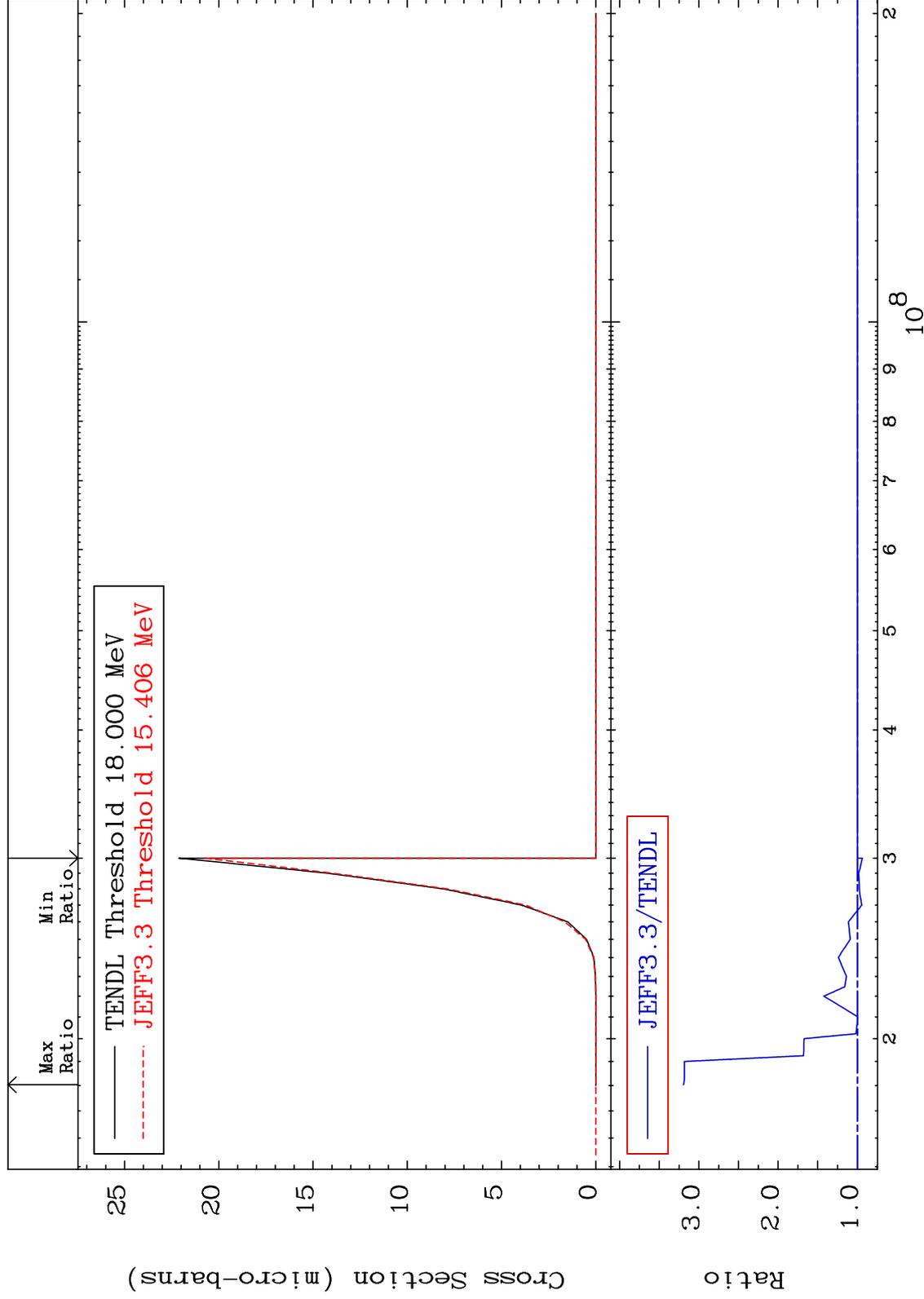


MAT 4319

(n,2n) p:41-Nb-95m1

43-Tc-97

Radionuclide Production Cross Section -6.265 To 219.5 %

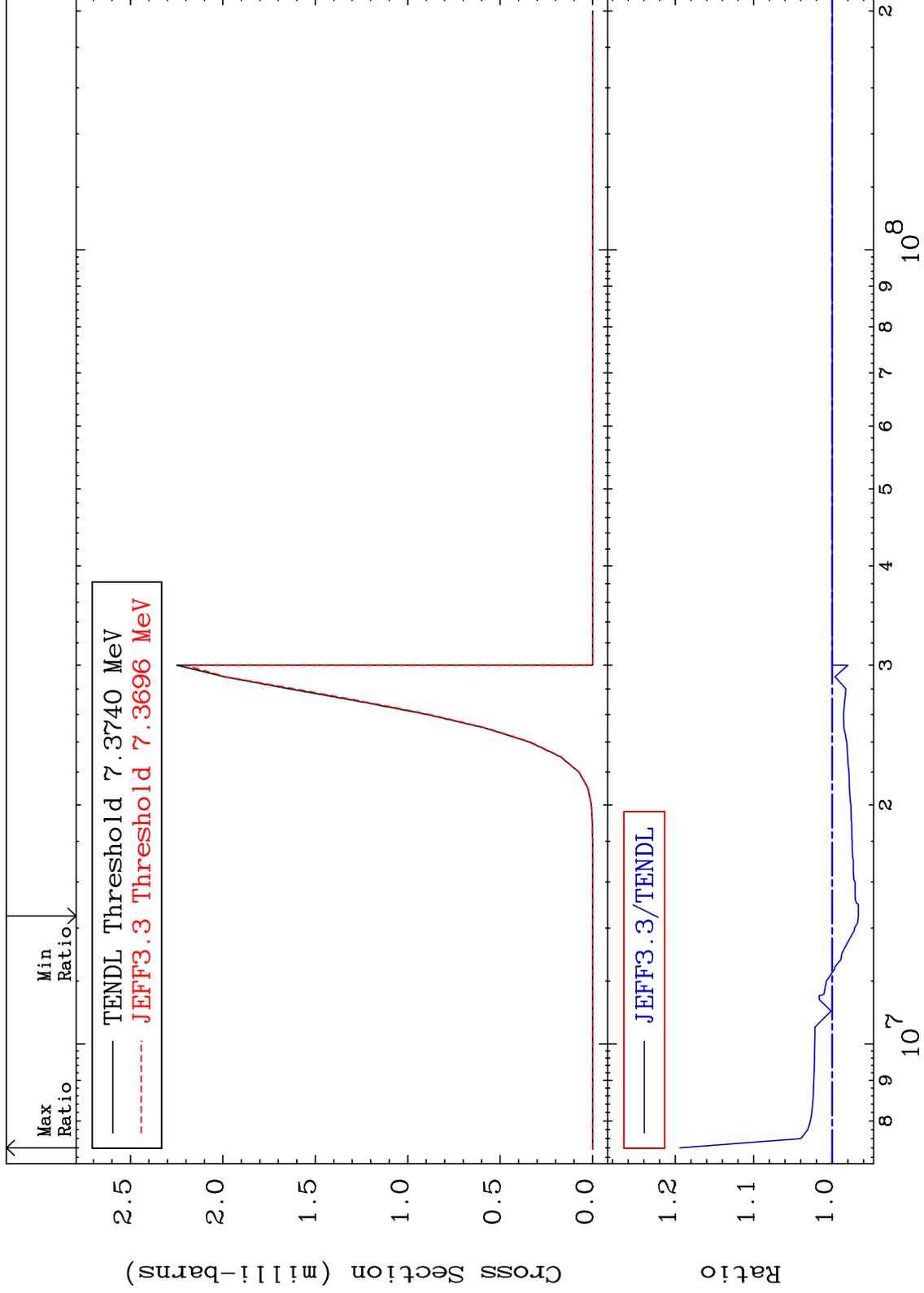


MAT 4319

(n,He-3) : 41-Nb-95g

43-Tc-97

Radionuclide Production Cross Section -3.349 To 19.40 %



100

Incident Energy (eV)

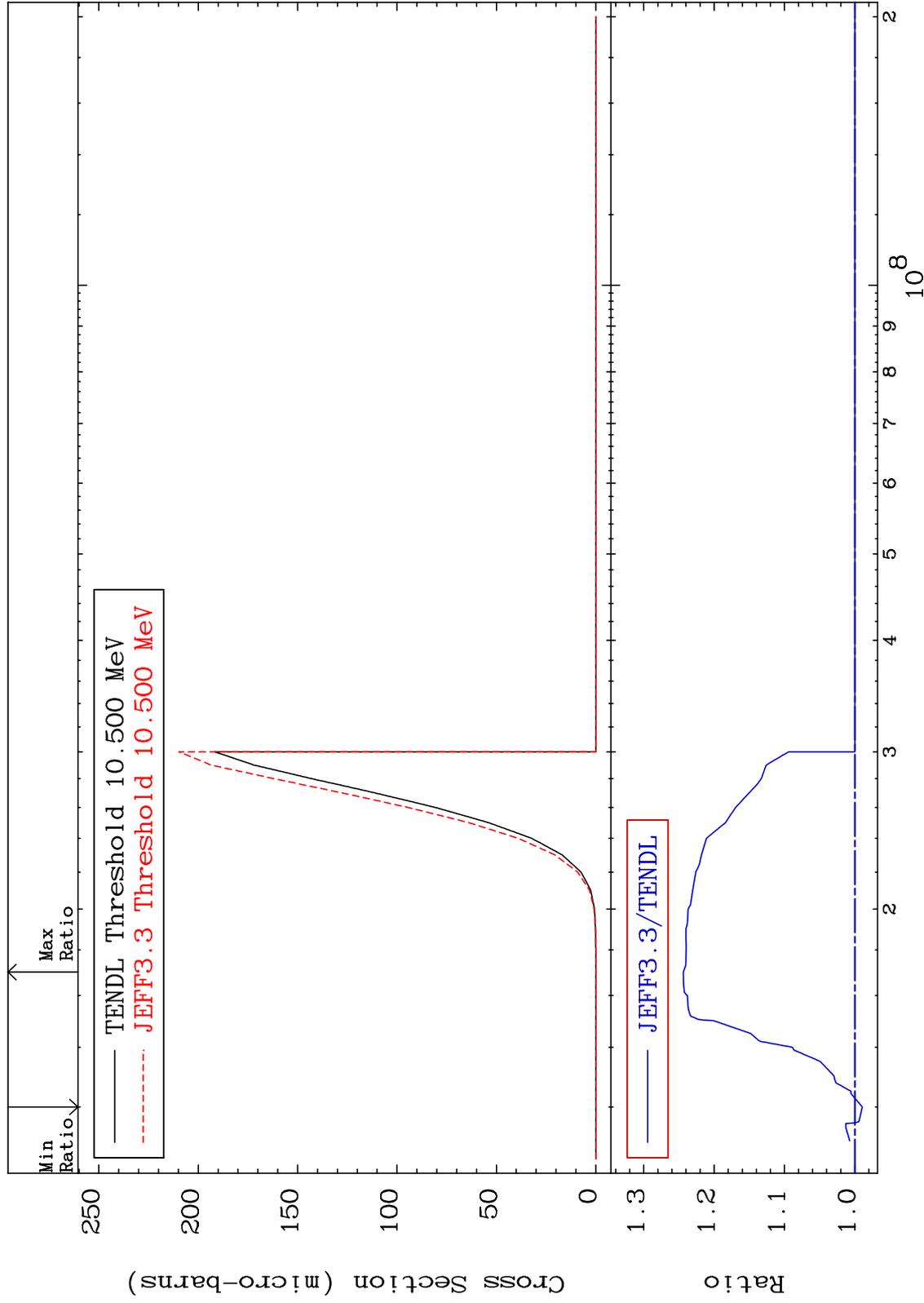
43-Tc-97

MAT 4319

(n,He-3):41-Nb-95m1

43-Tc-97

Radionuclide Production Cross Section -1.068 To 24.37 %

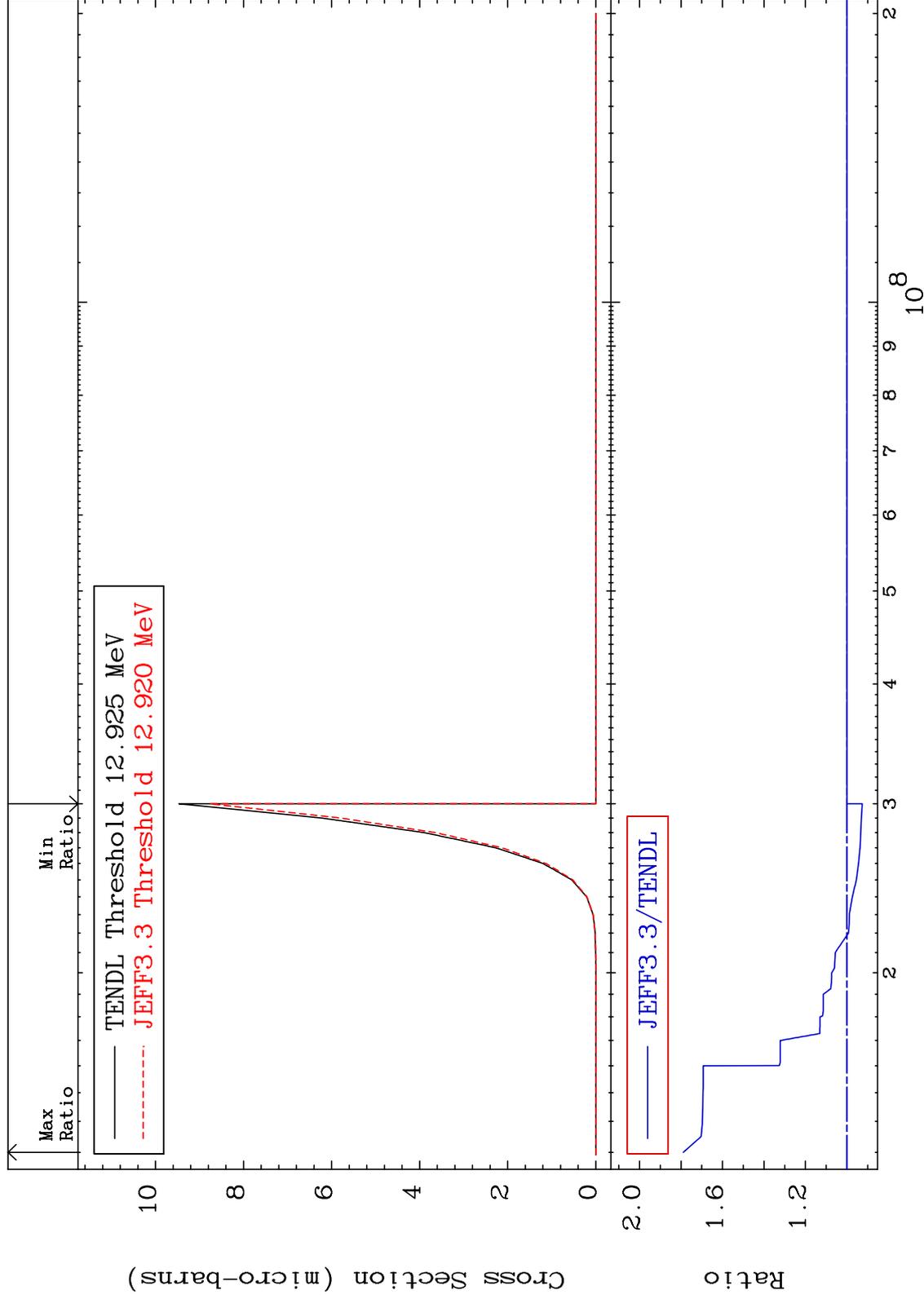


MAT 4319

(n,p) d:41-Nb-95g

43-Tc-97

Radionuclide Production Cross Section -7.405 To 78.88 %



102

Incident Energy (eV)

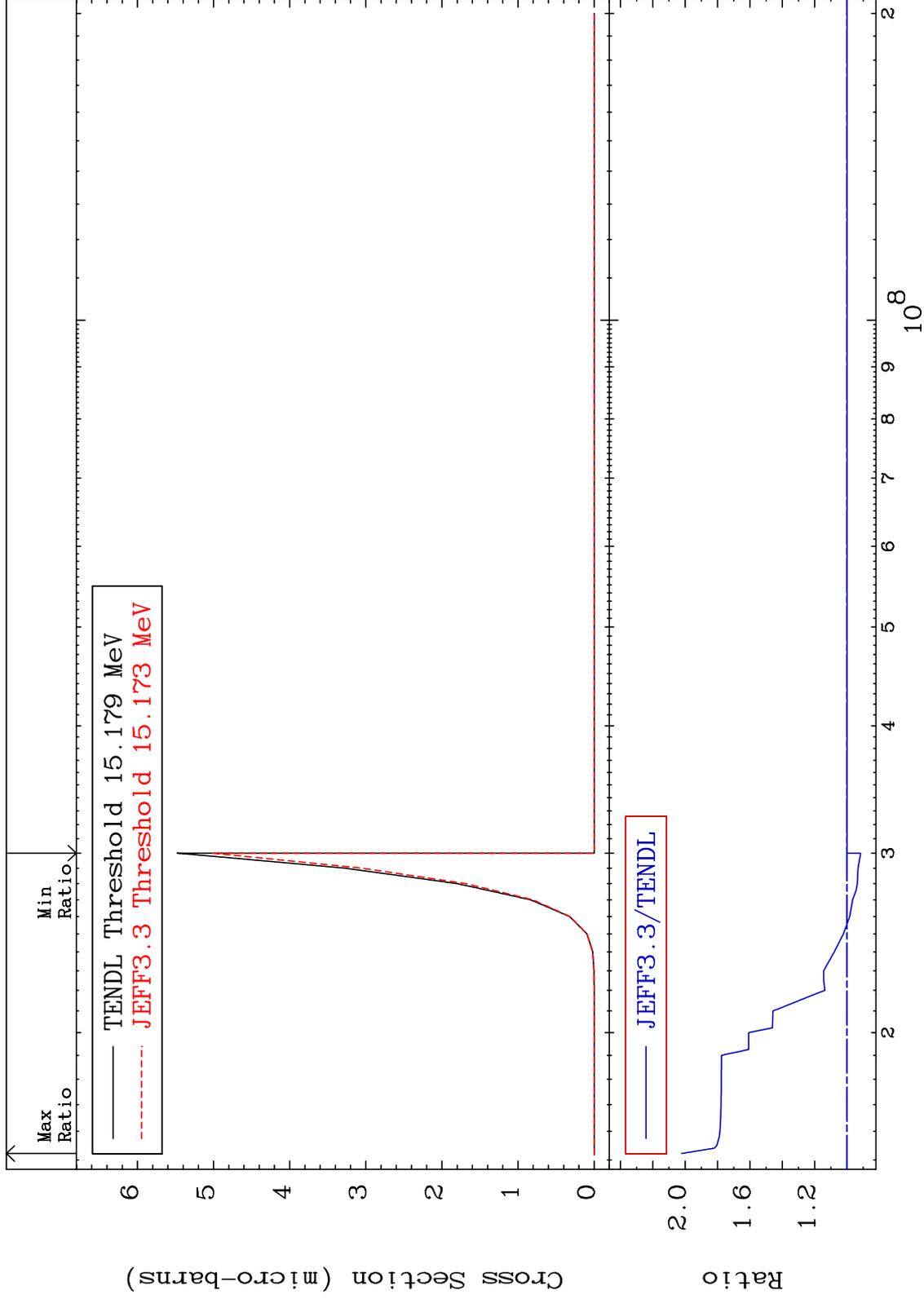
43-Tc-97

MAT 4319

(n, p) t:41-Nb-94g

43-Tc-97

Radionuclide Production Cross Section -8.439 To 102.1 %



104

Incident Energy (eV)

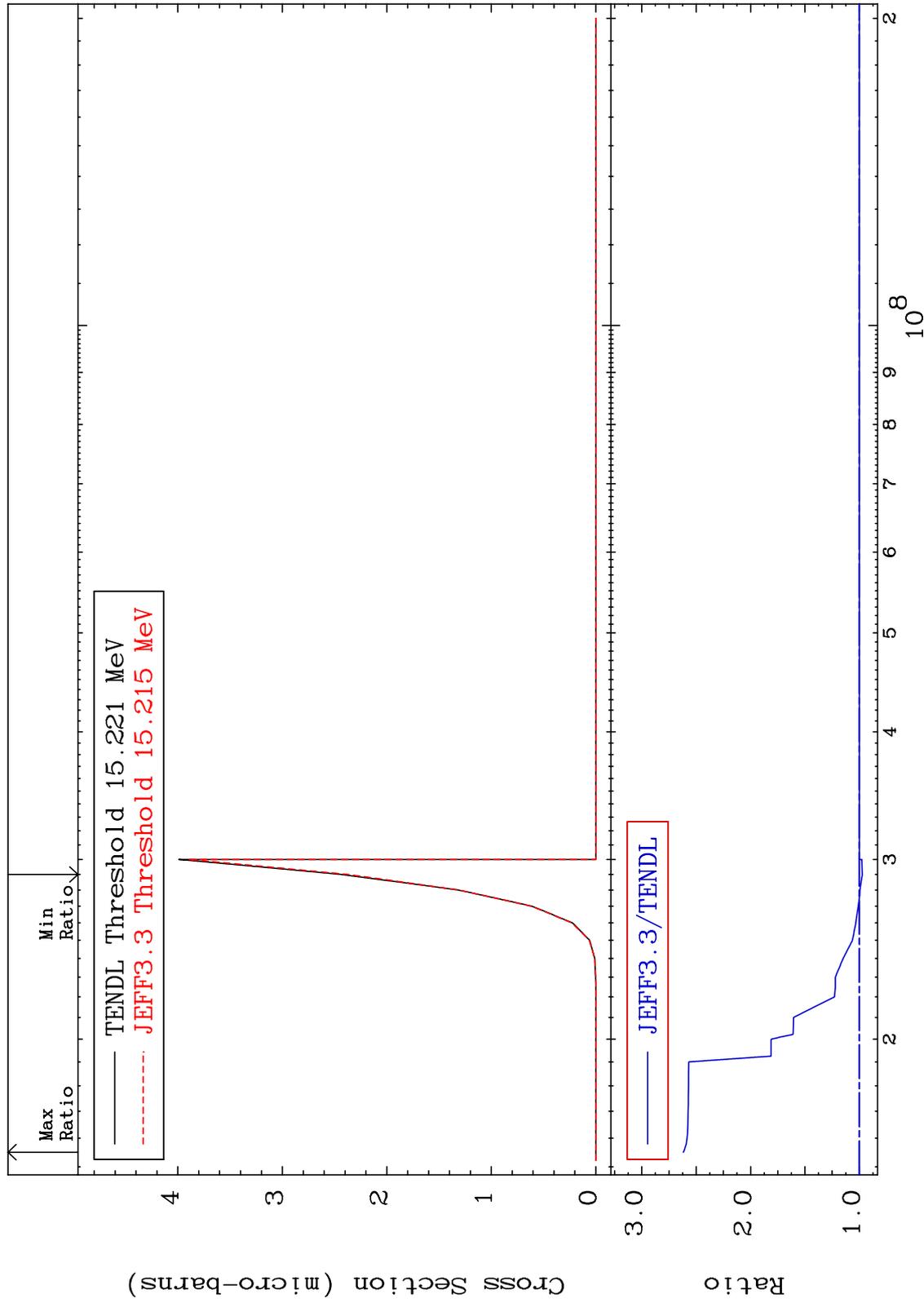
43-Tc-97

MAT 4319

(n, p) t: 41-Nb-94m1

43-Tc-97

Radionuclide Production Cross Section -2.721 To 161.8 %



105

Incident Energy (eV)

43-Tc-97