

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

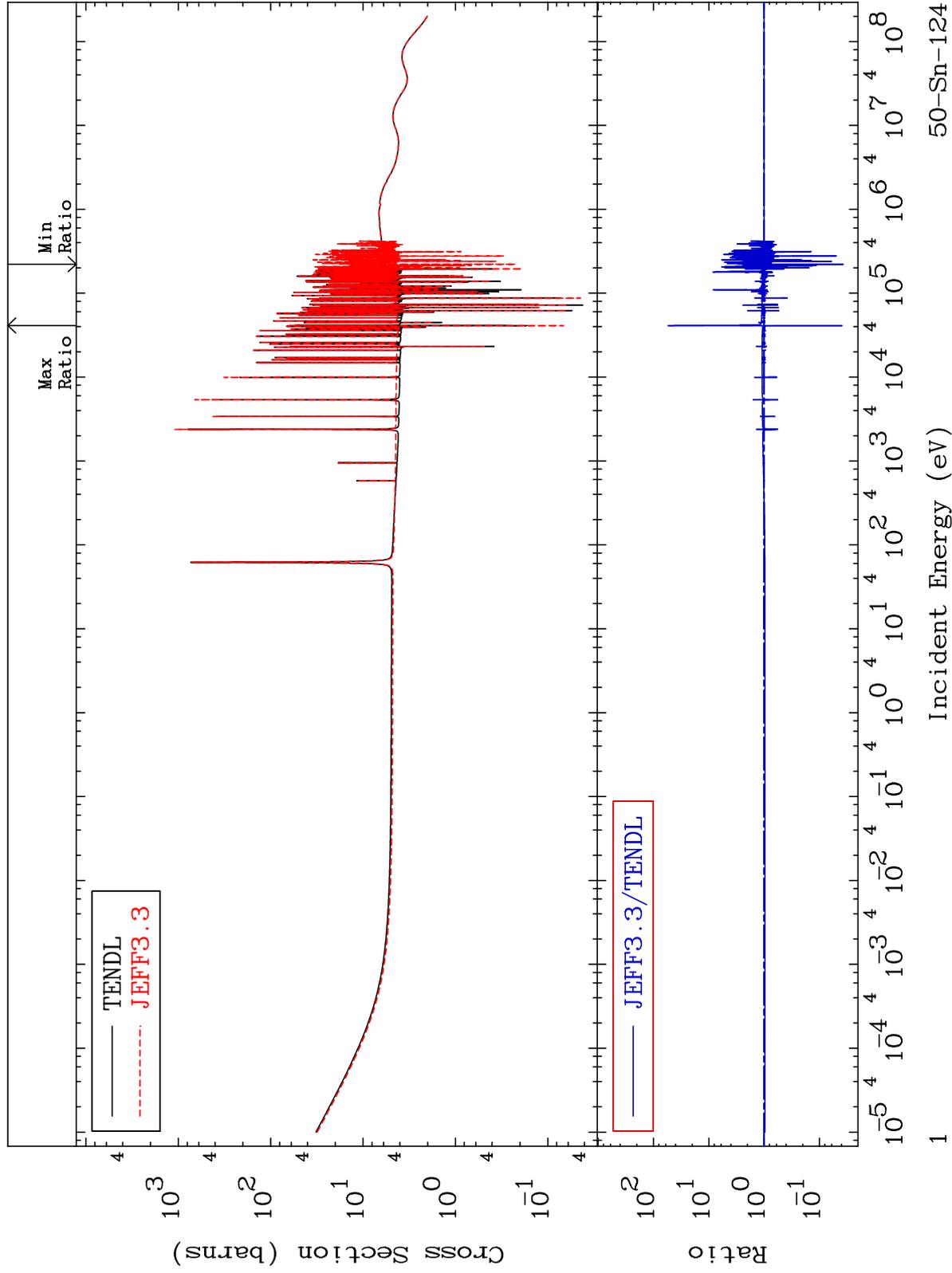
MAT 5061

Total

50-Sn-124

Cross Section

-96.25 To 5345. %



50-Sn-124

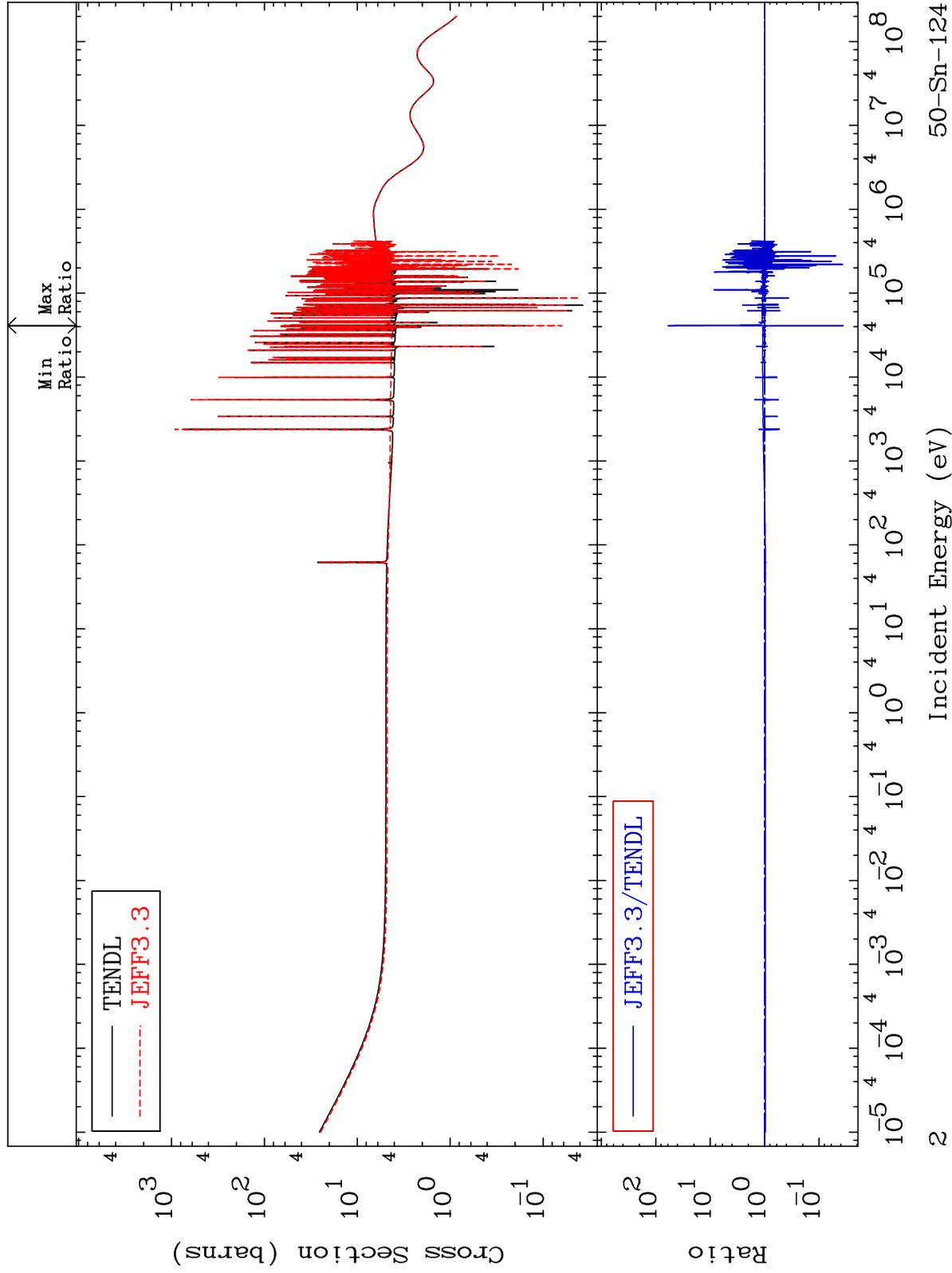
Incident Energy (eV)

1

MAT 5061

Elastic
Cross Section

50-Sn-124
-96.37 To 5838. %

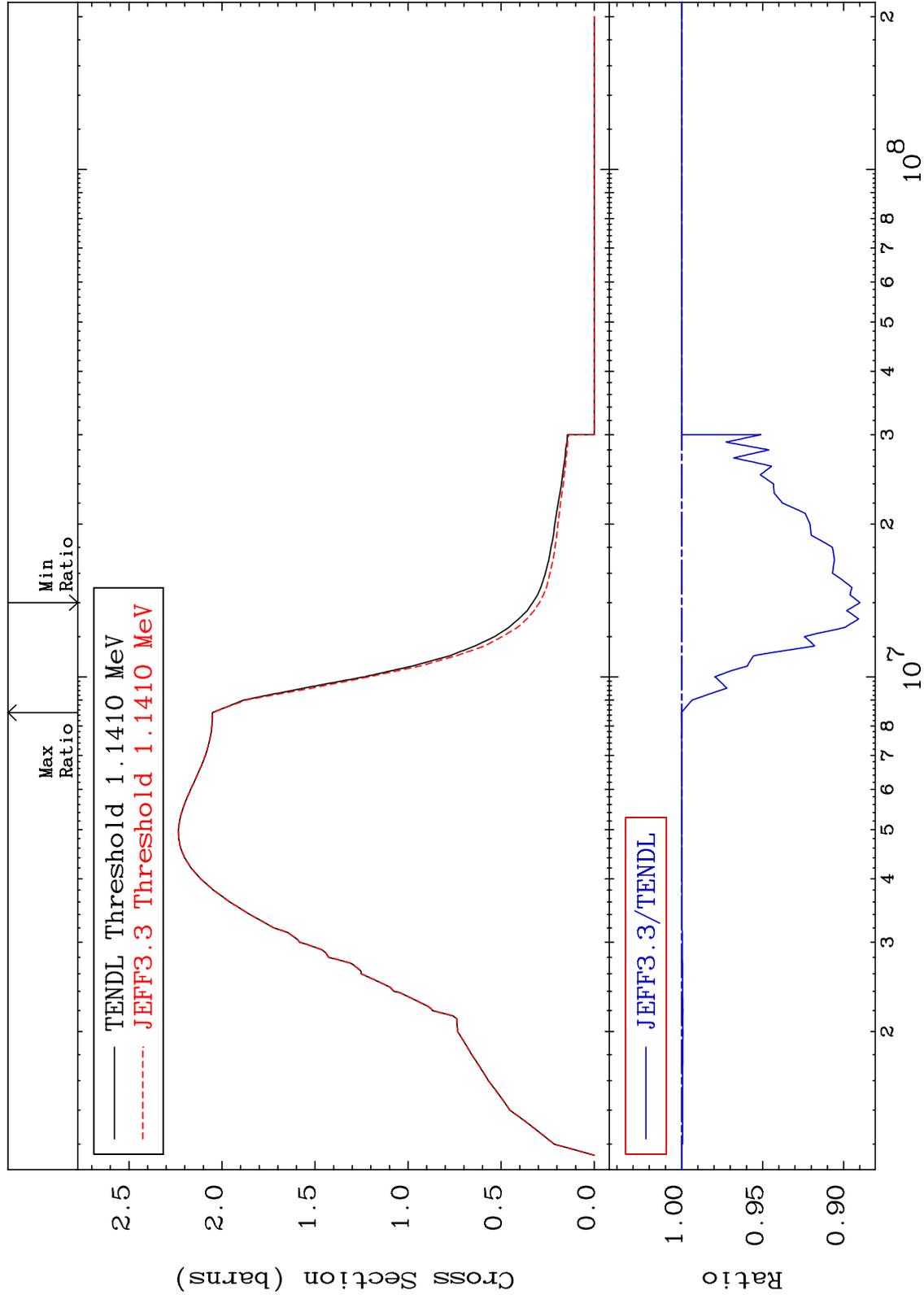


MAT 5061

Inelastic
Cross Section

50-Sn-124

-11.01 To 0.006 %



3

Incident Energy (eV)

50-Sn-124

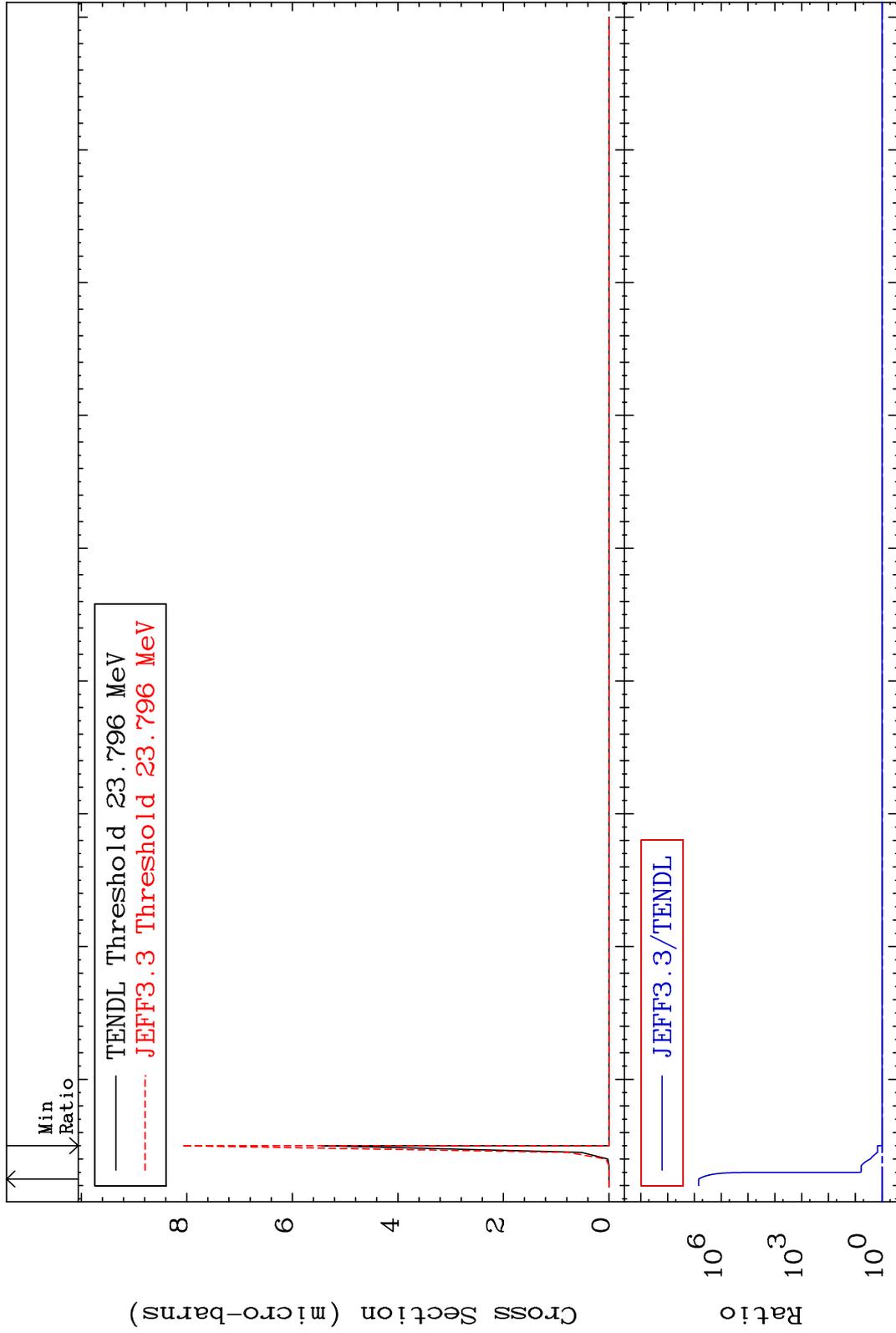
MAT 5061

(n,2n) d

50-Sn-124

Cross Section

0.000 To 9999. %



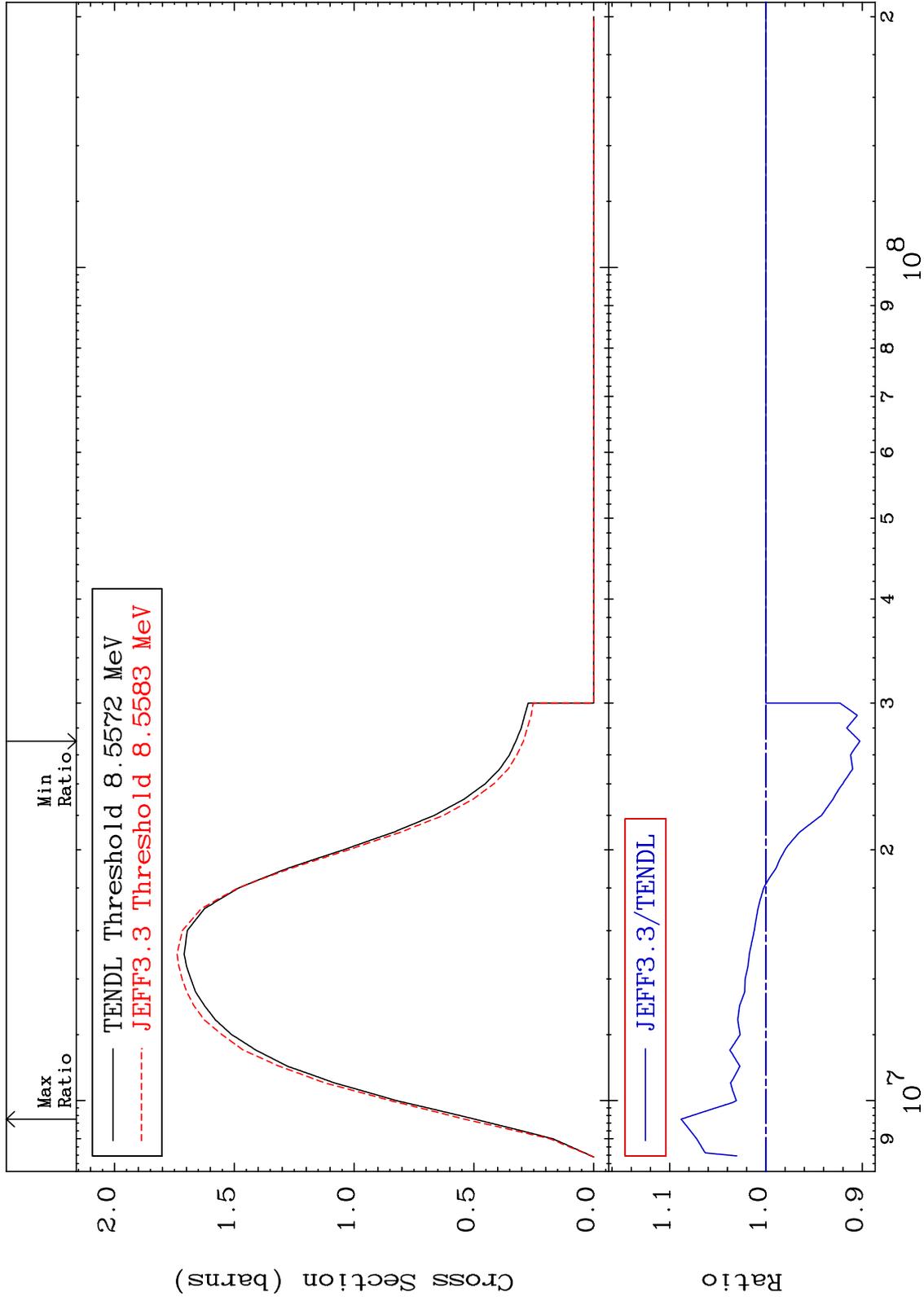
MAT 5061

(n,2n)

50-Sn-124

Cross Section

-9.763 To 8.808 %



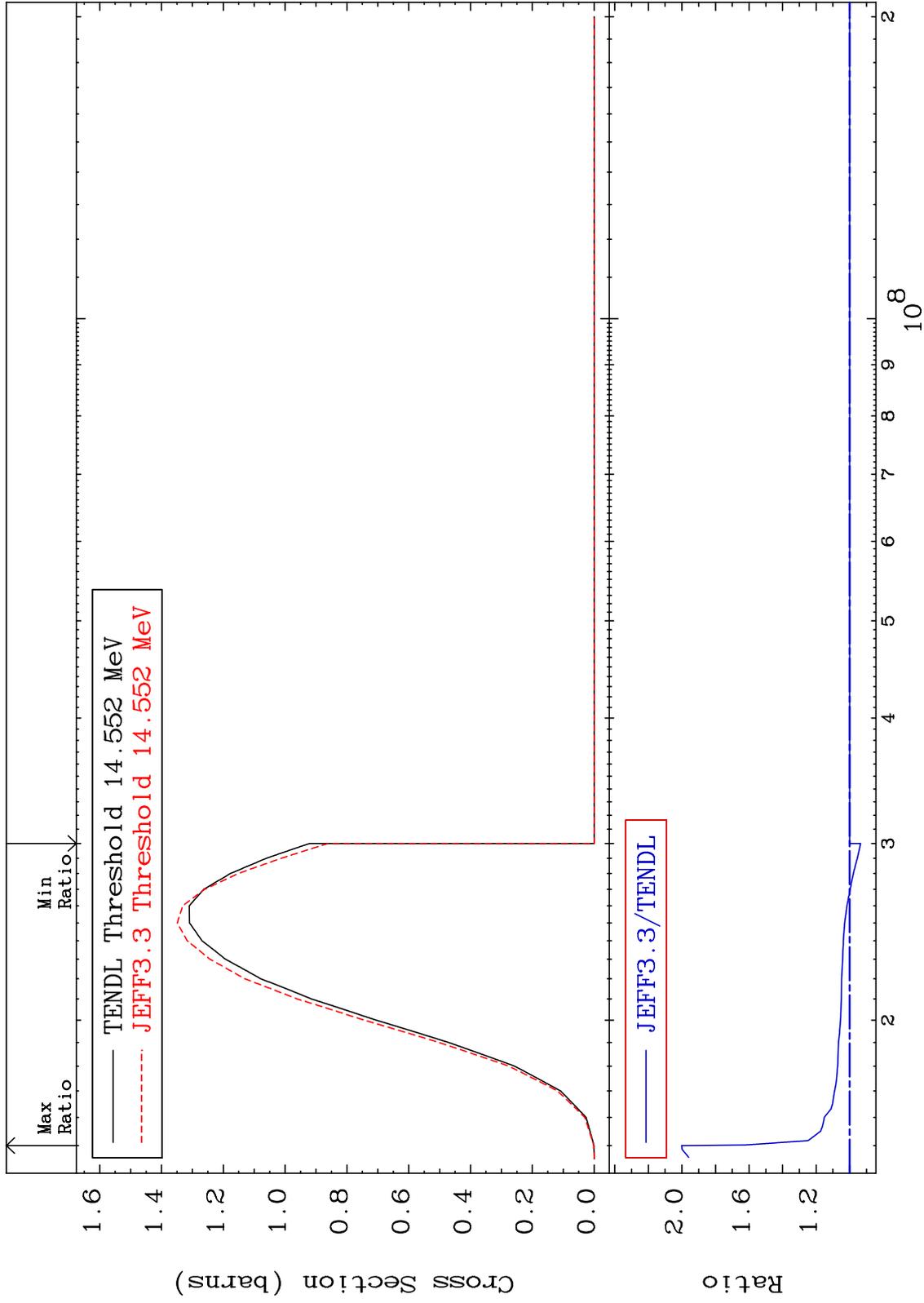
MAT 5061

(n,3n)

50-Sn-124

Cross Section

-6.530 To 100.1 %



6

Incident Energy (eV)

50-Sn-124

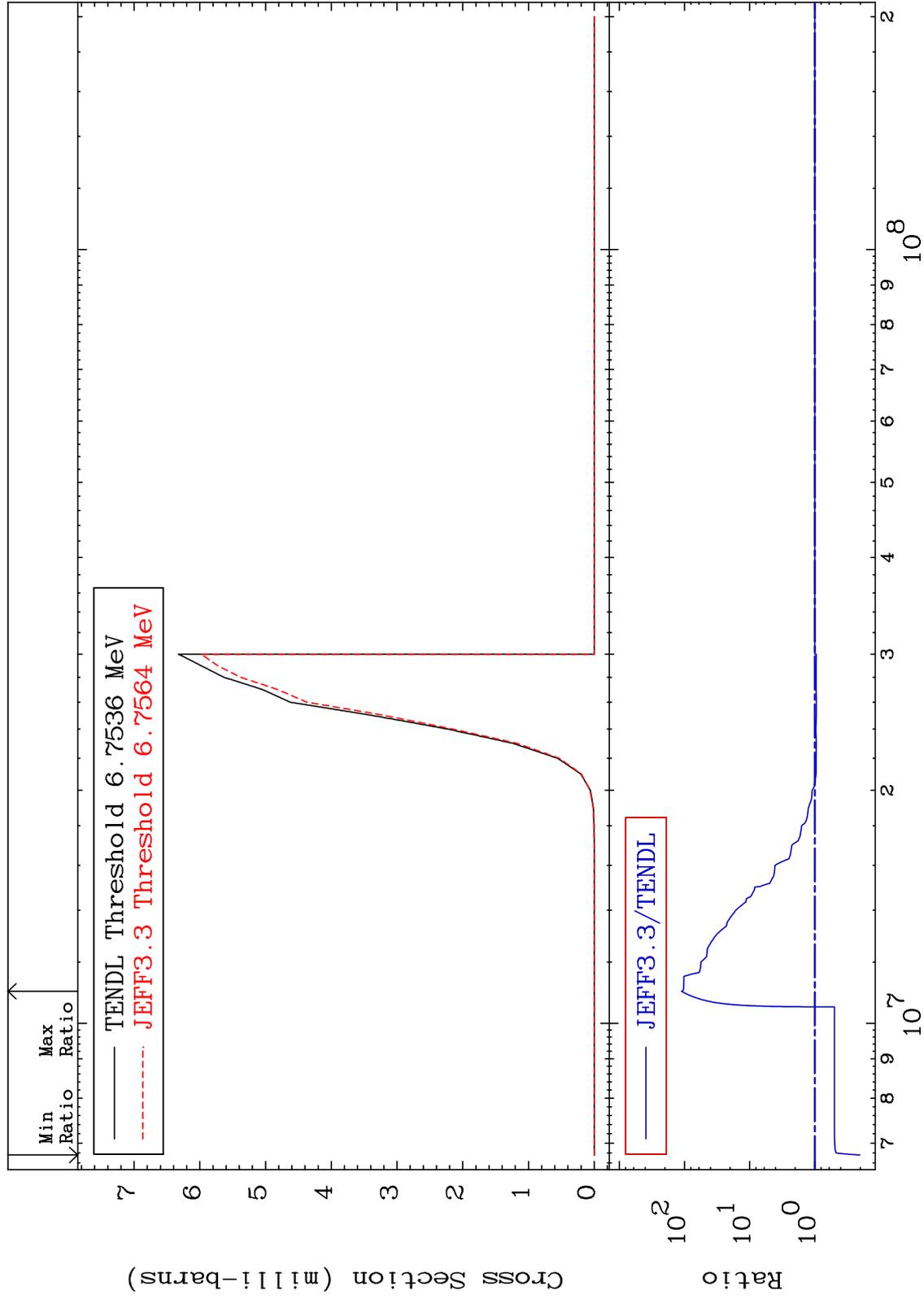
MAT 5061

(n,n') α

50-Sn-124

Cross Section

-79.74 To 9999. %



50-Sn-124

Incident Energy (eV)

7

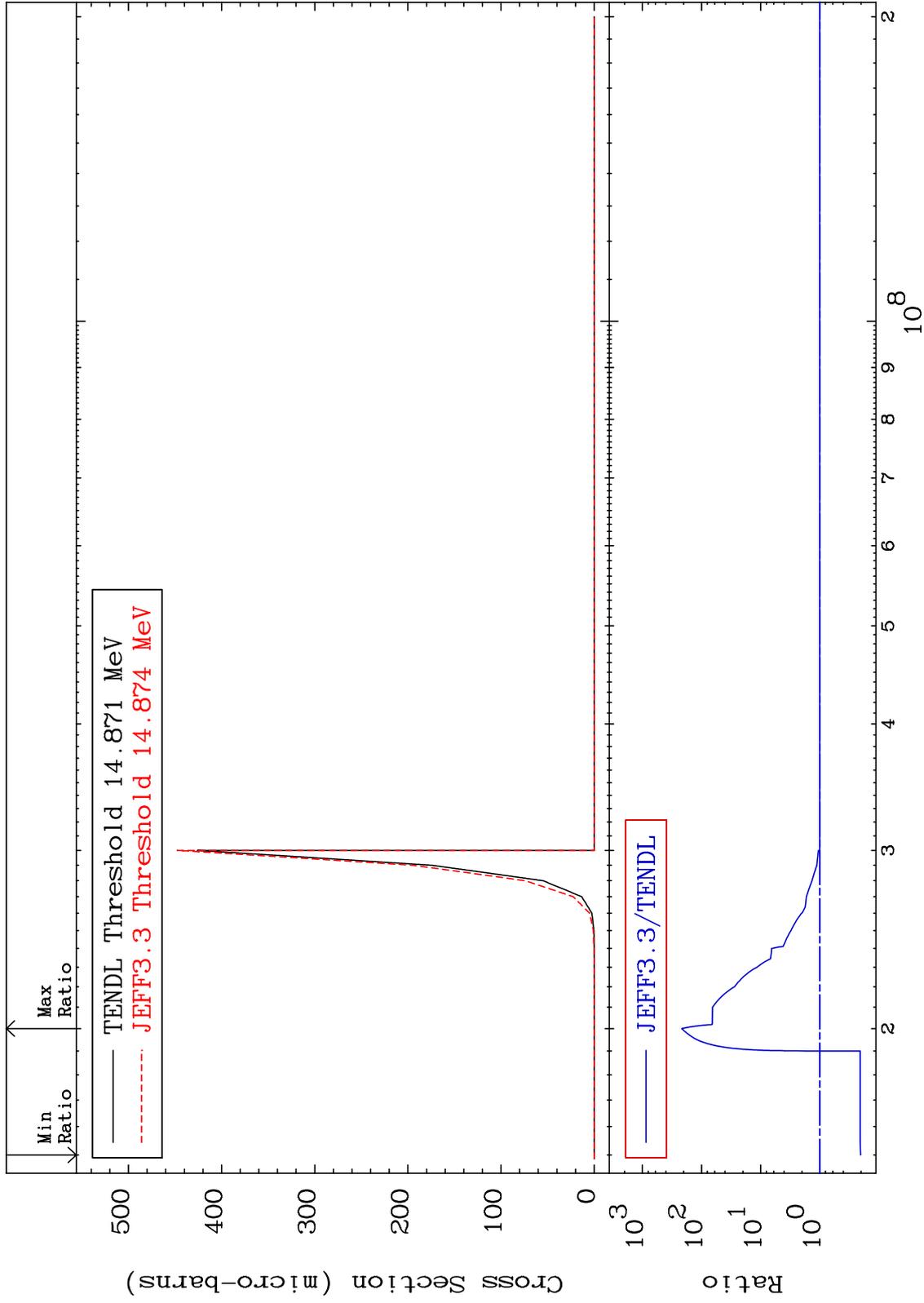
MAT 5061

(n,2n) α

50-Sn-124

Cross Section

-79.72 To 9999. %



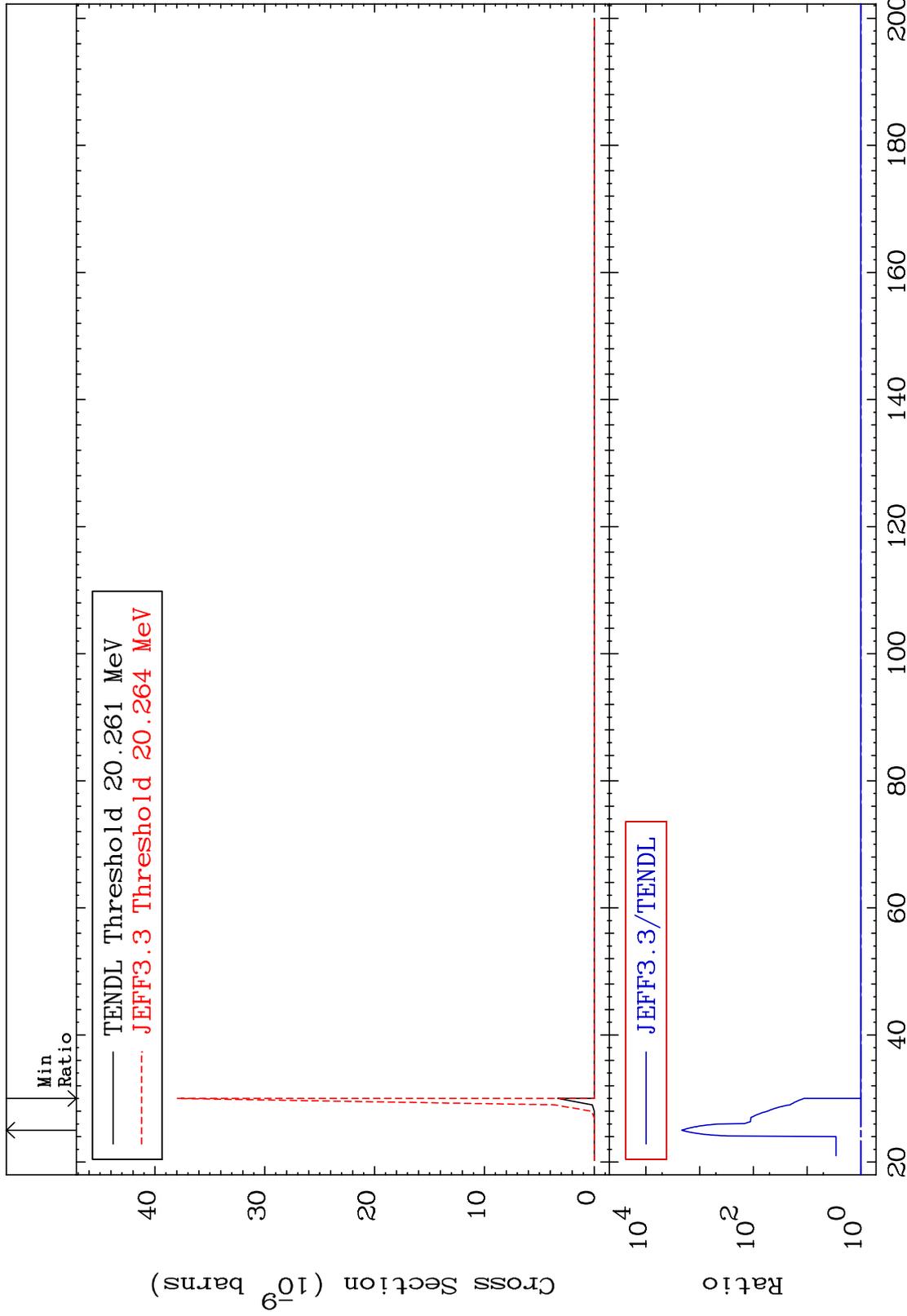
MAT 5061

(n,3n) α

50-Sn-124

Cross Section

0.000 To 9999. %



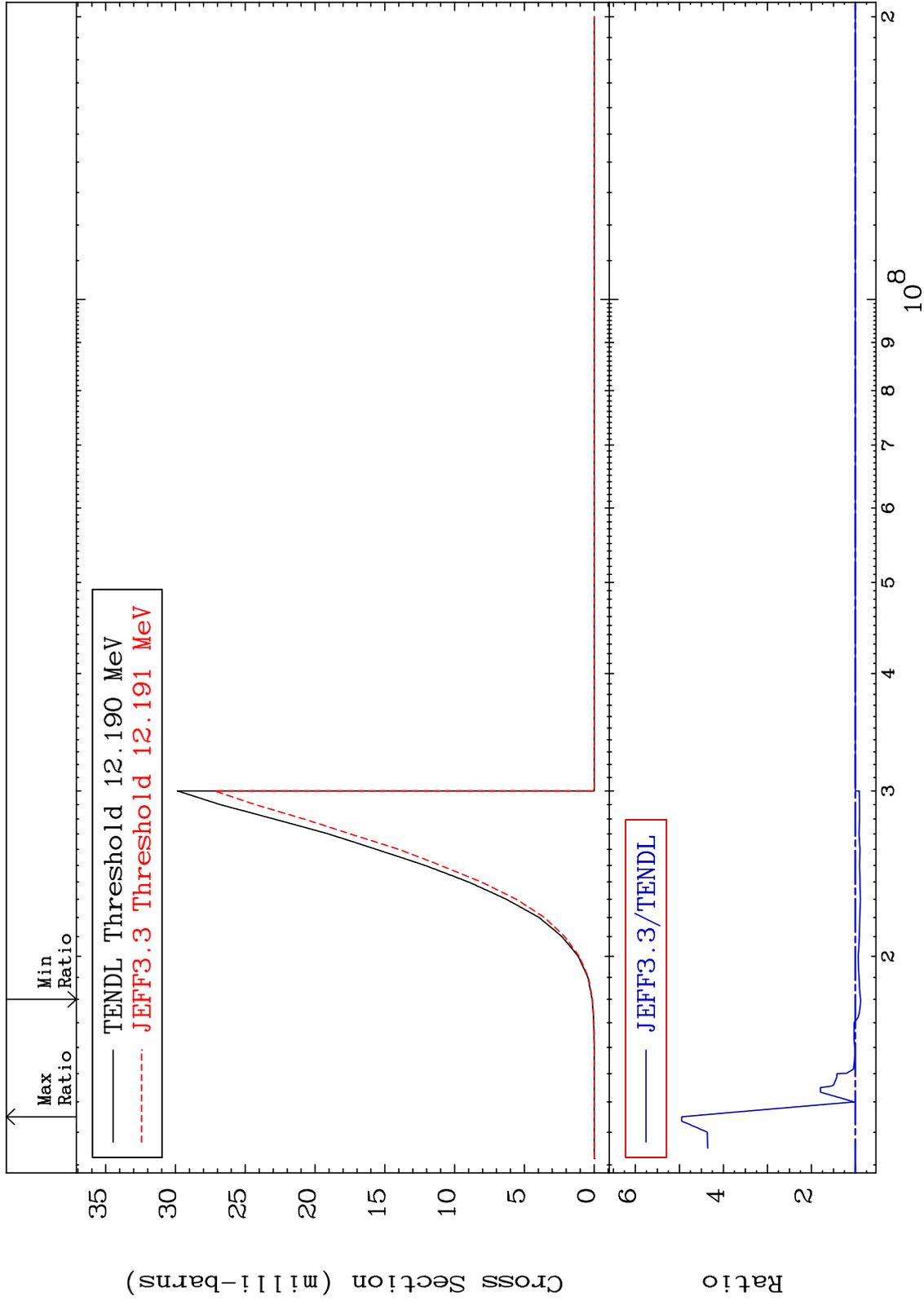
MAT 5061

(n,n') p

50-Sn-124

Cross Section

-11.81 To 394.6 %



10

Incident Energy (eV)

50-Sn-124

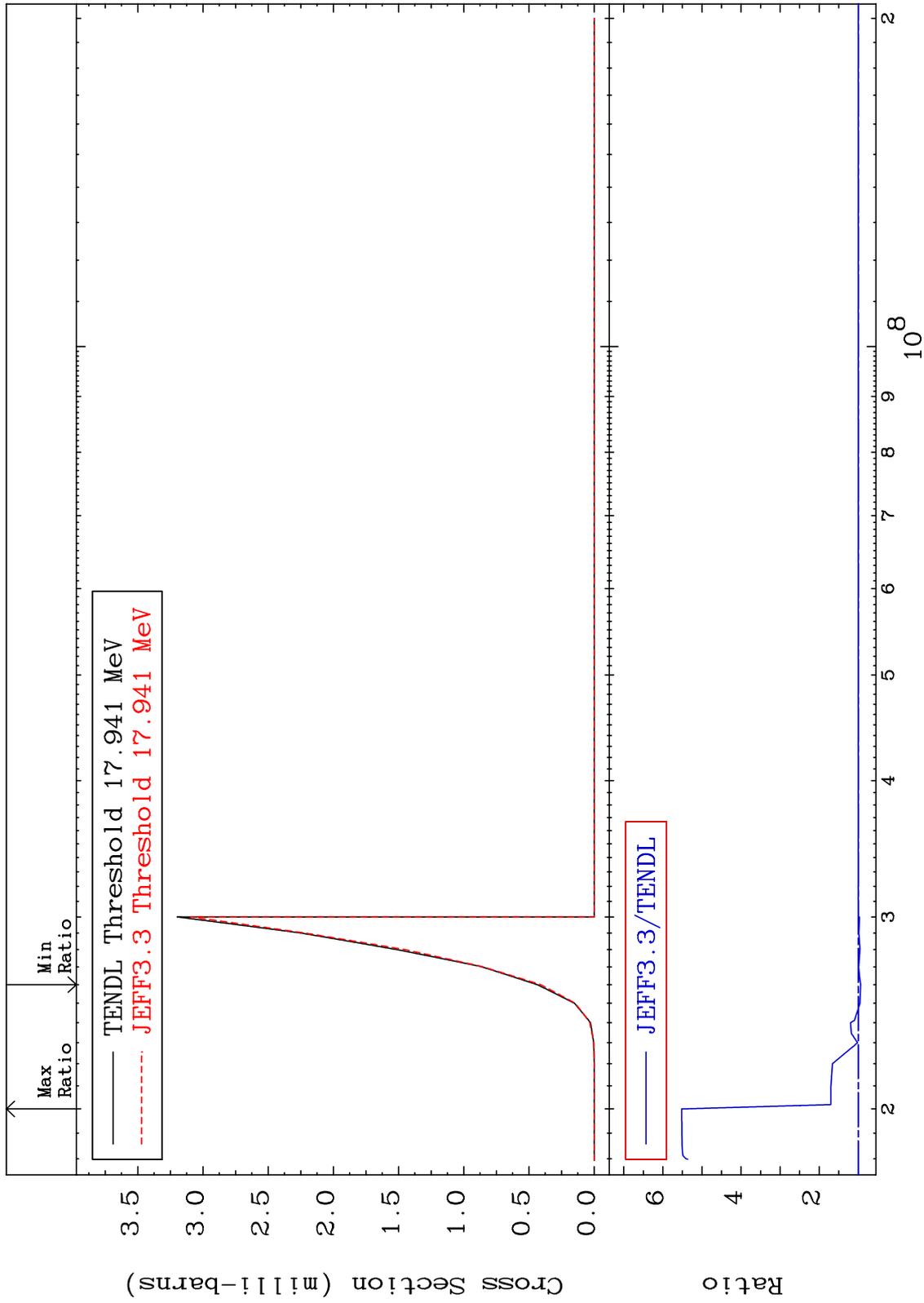
MAT 5061

(n,n') d

50-Sn-124

Cross Section

-6.023 To 451.7 %



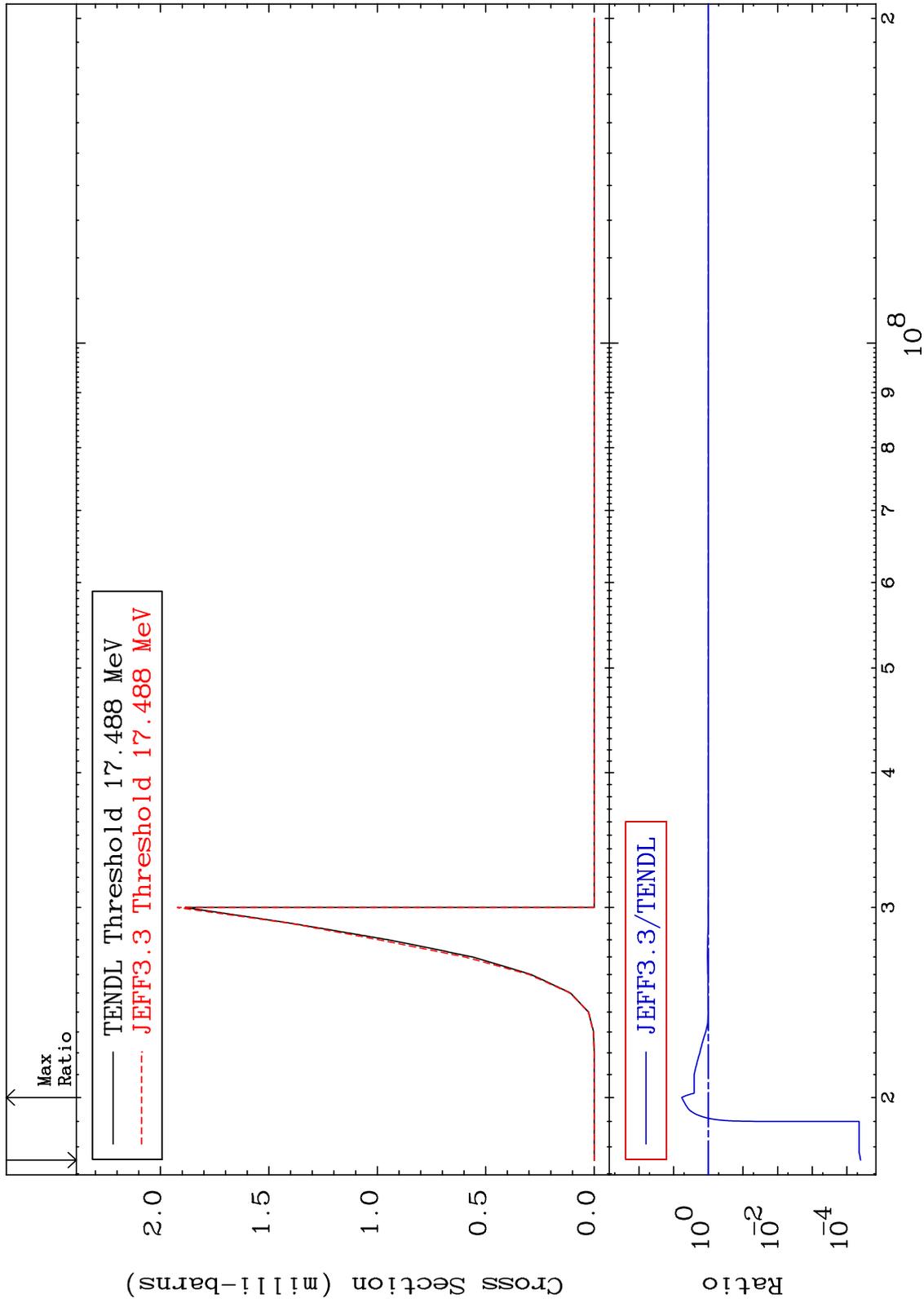
MAT 5061

(n,n') t

50-Sn-124

Cross Section

-100.0 To 484.2 %



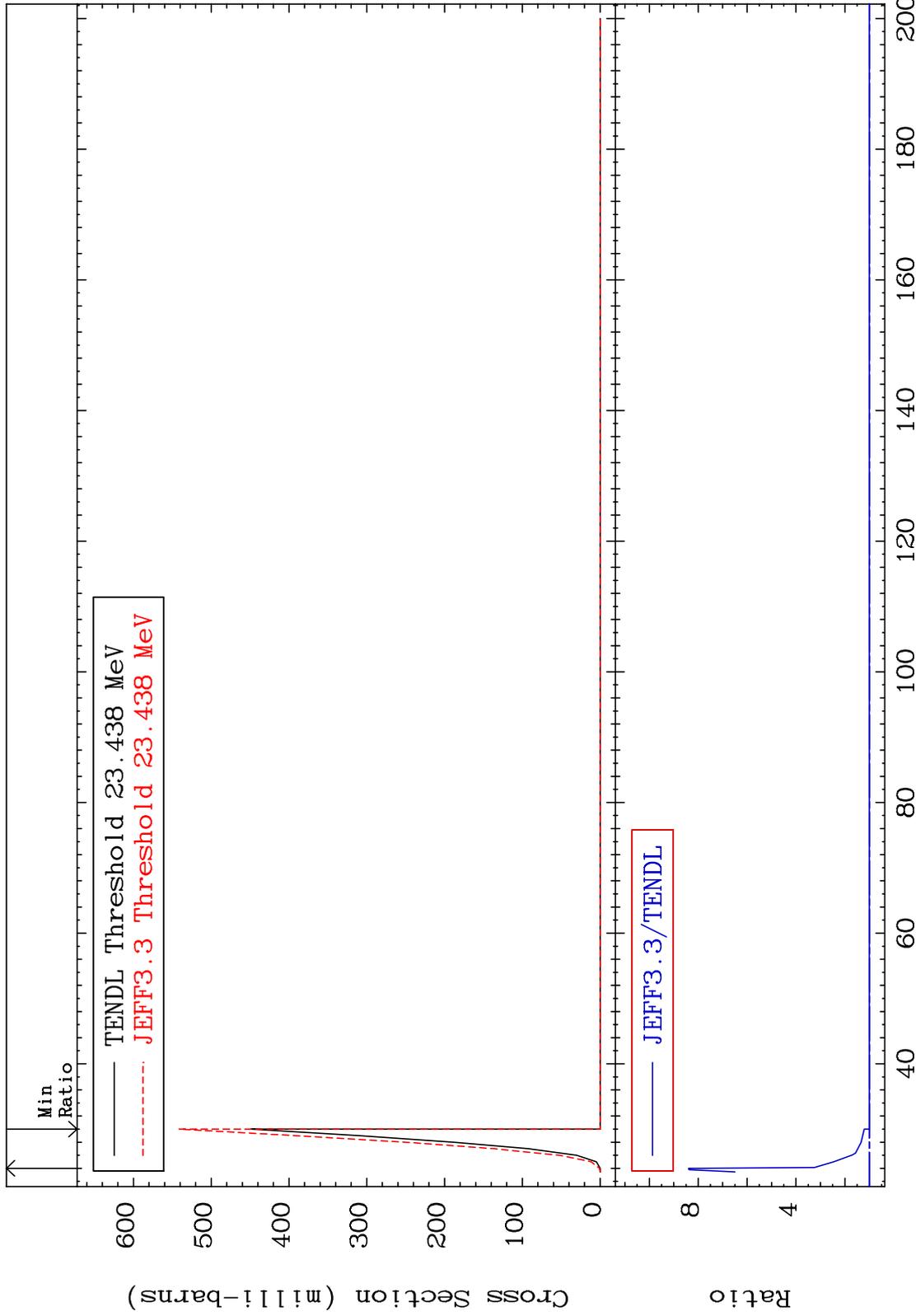
MAT 5061

(n, 4n)

50-Sn-124

Cross Section

0.000 To 739.4 %



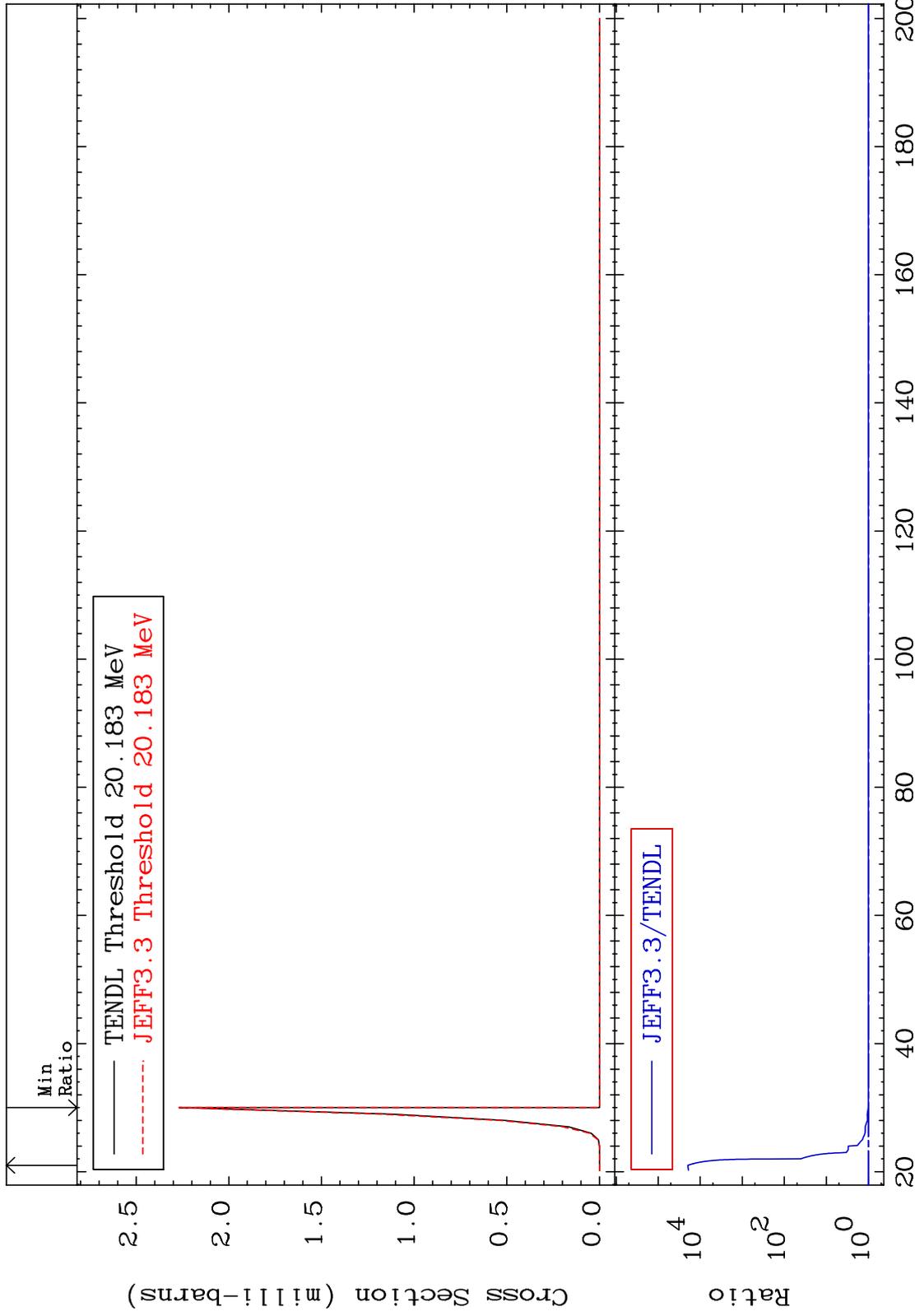
50-Sn-124

Incident Energy (MeV)

MAT 5061

(n,2n) p
Cross Section

50-Sn-124
0.000 To 9999. %

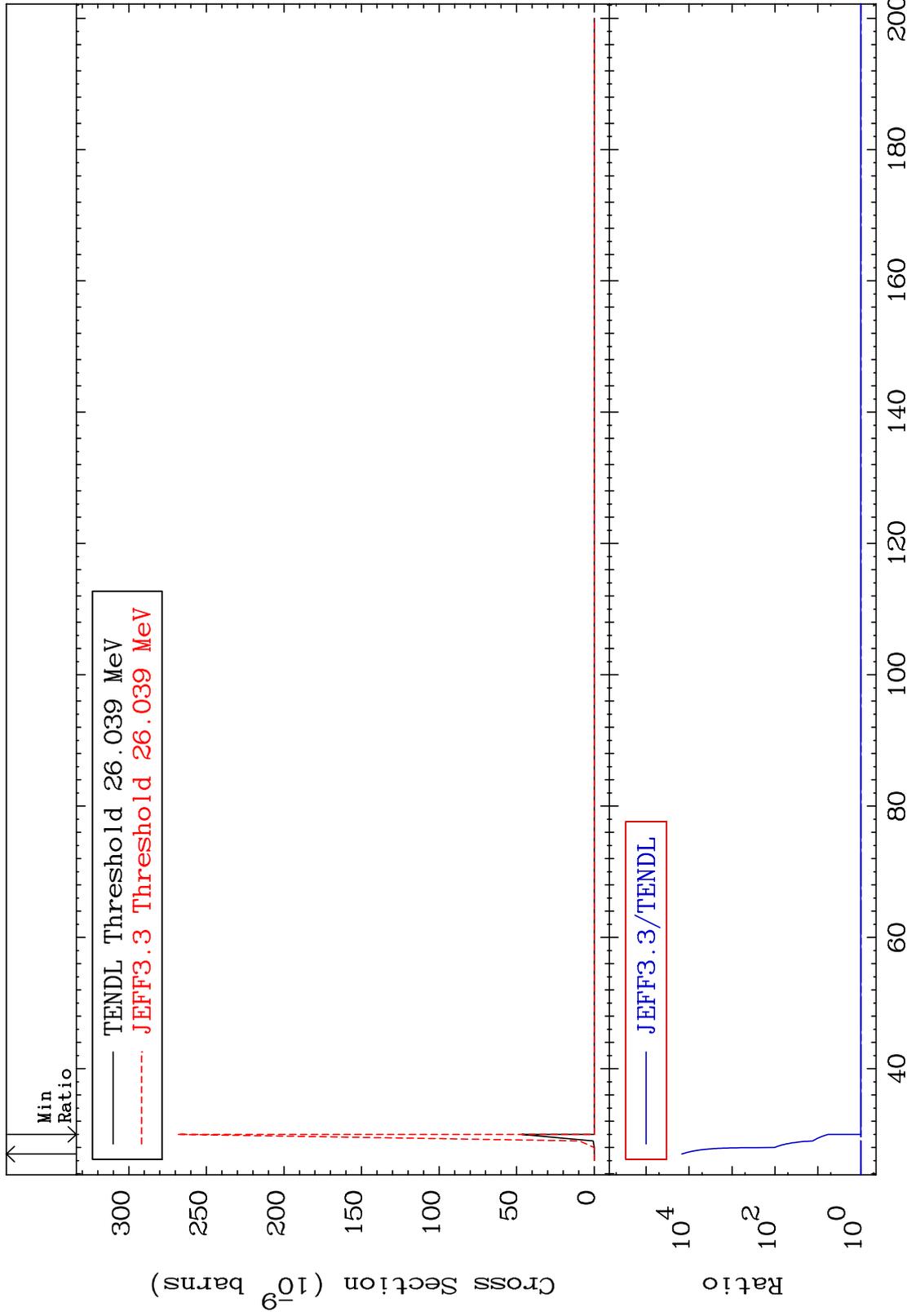


50-Sn-124

MAT 5061

(n,3n) p
Cross Section

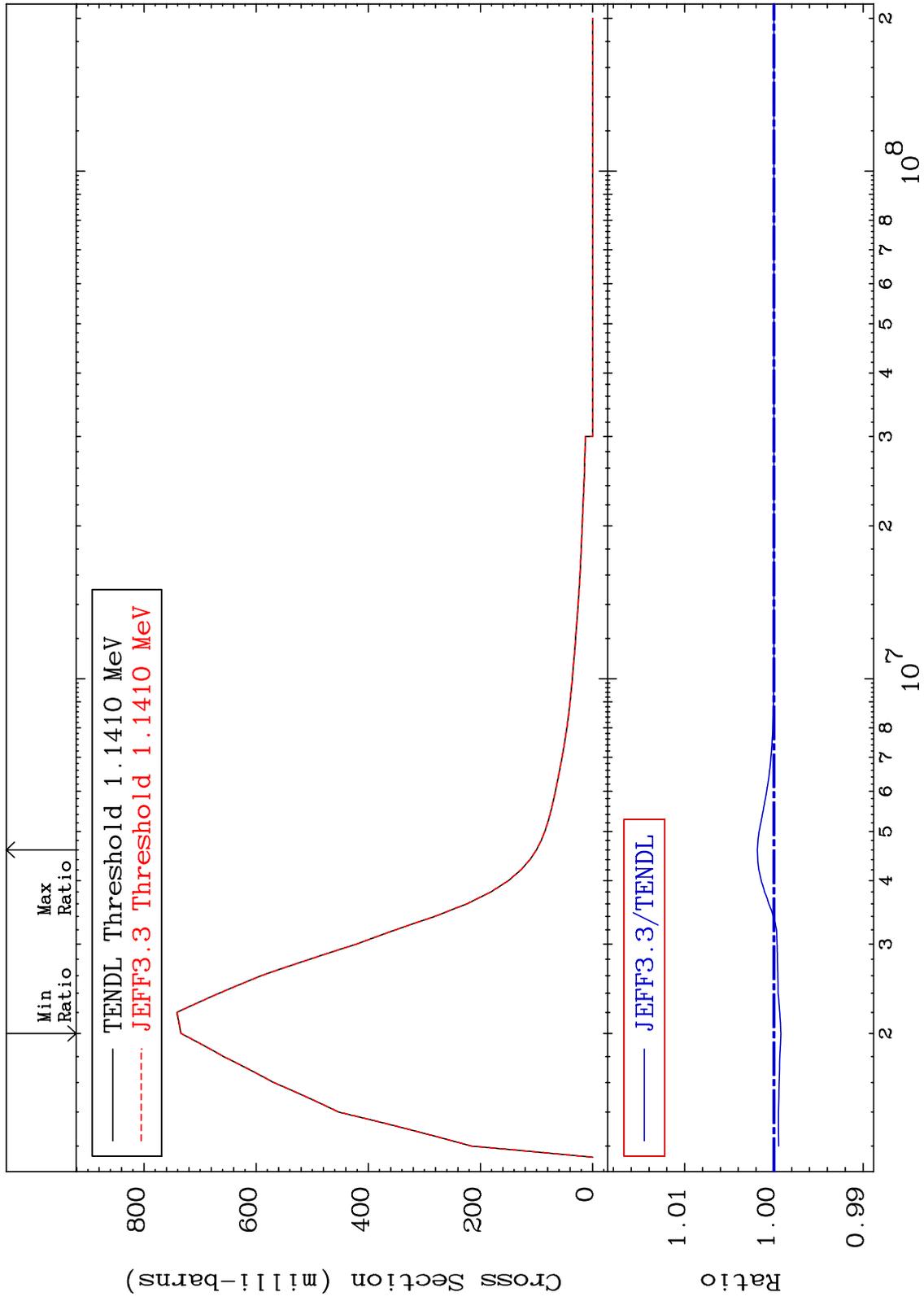
50-Sn-124
To 9999. %
0.000



MAT 5061

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

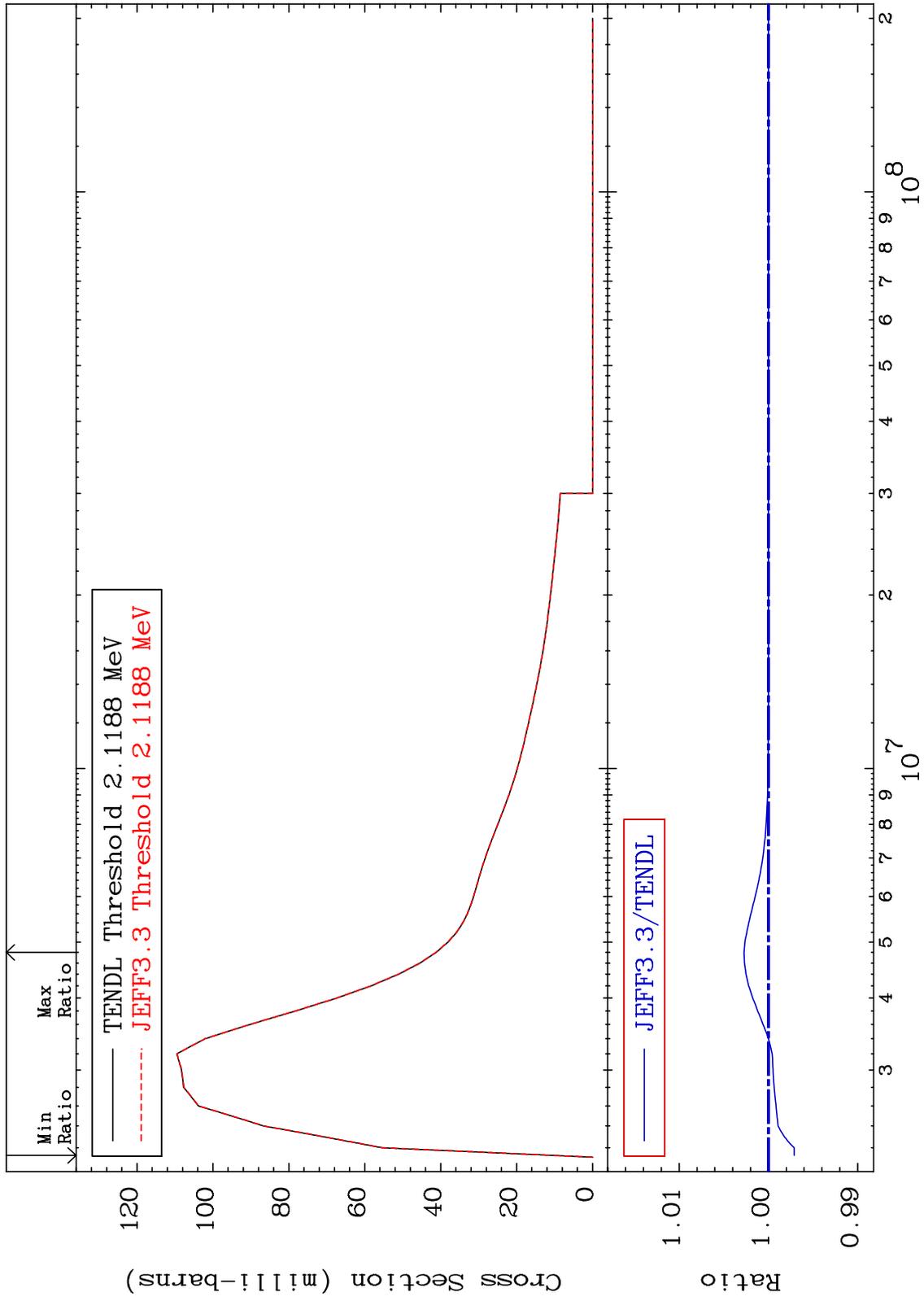
50-Sn-124
-0.079 To 0.185 %



MAT 5061

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

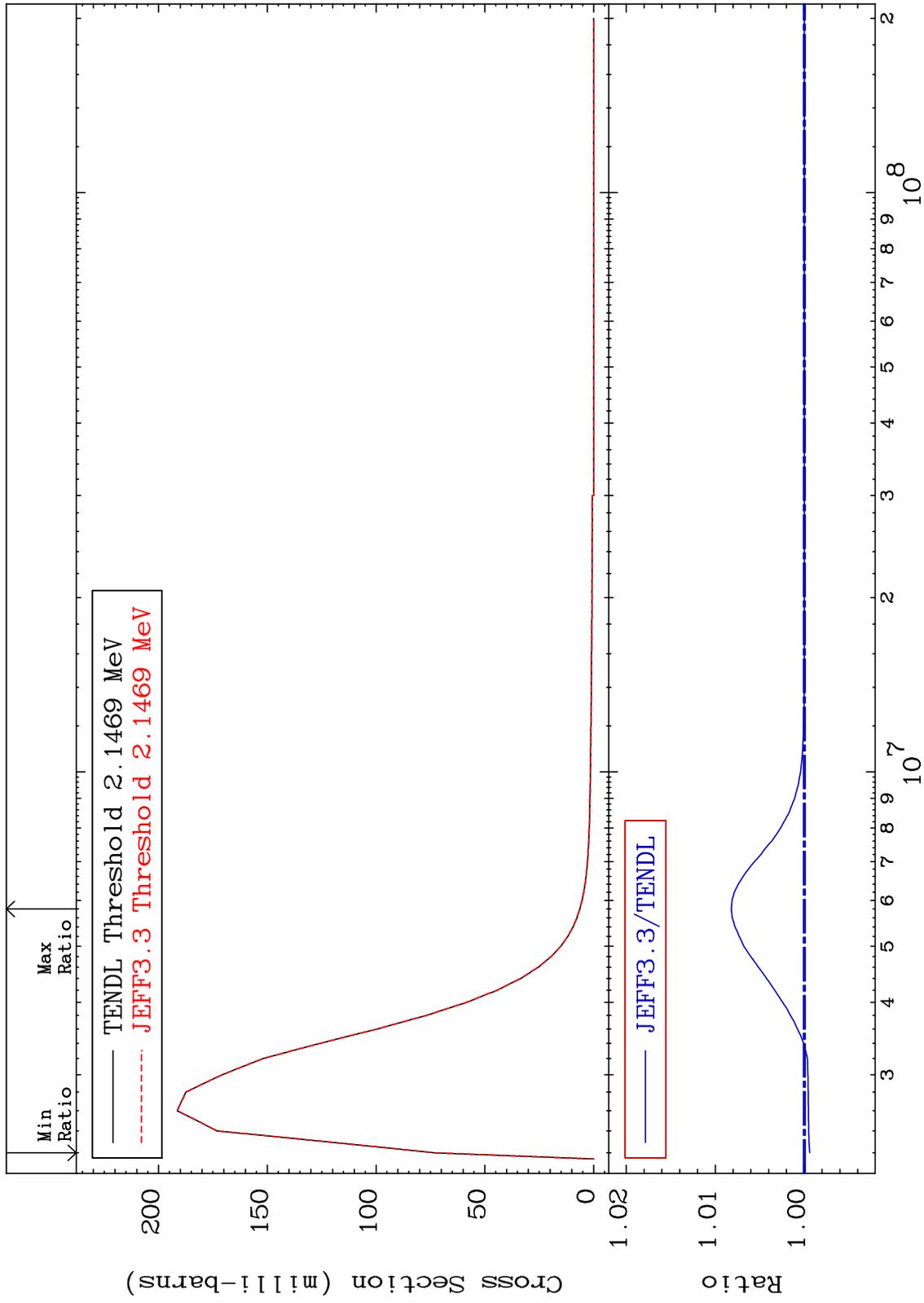
50-Sn-124
-0.290 To 0.273 %



MAT 5061

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

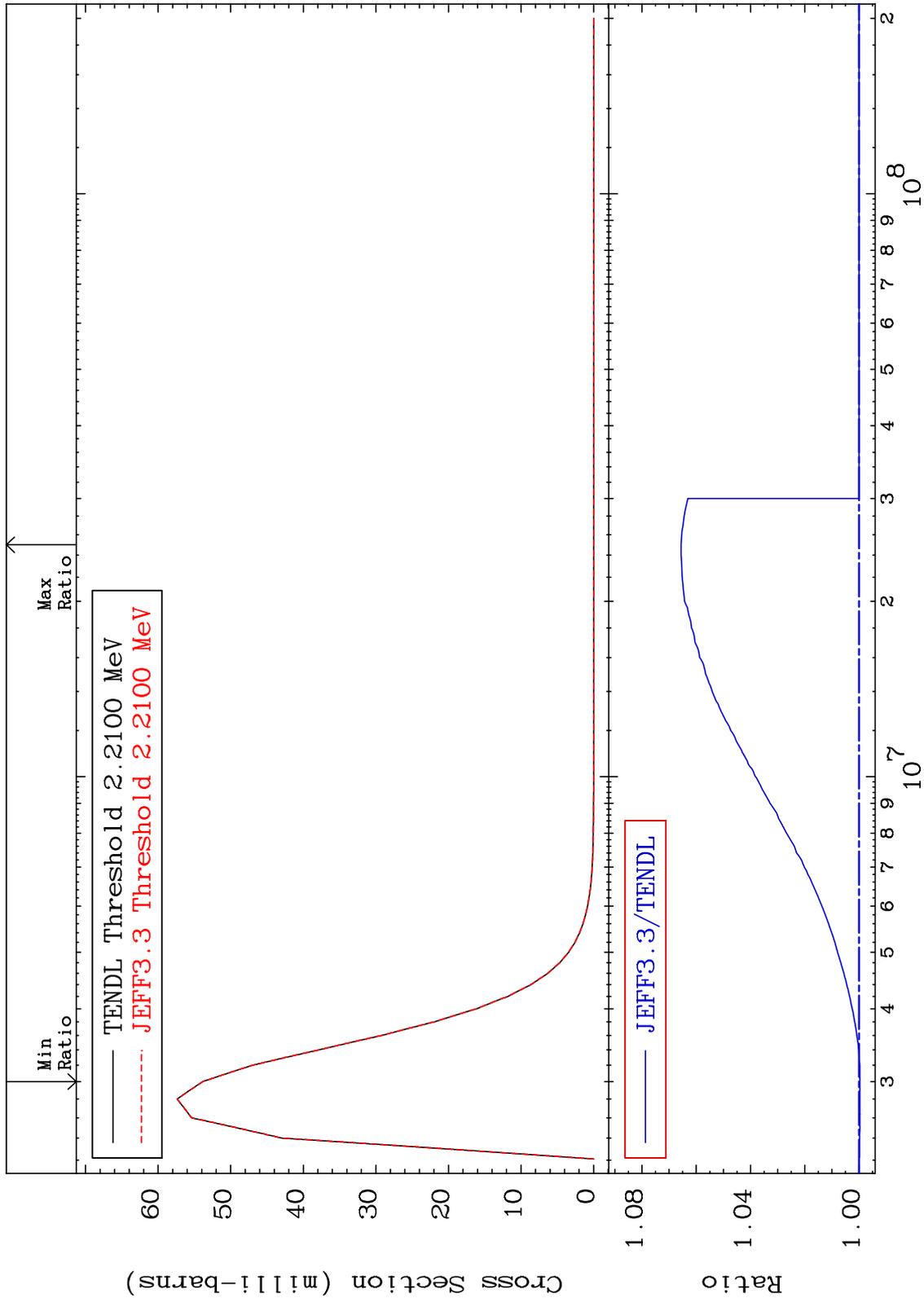
50-Sn-124
-0.061 To 0.820 %



MAT 5061

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

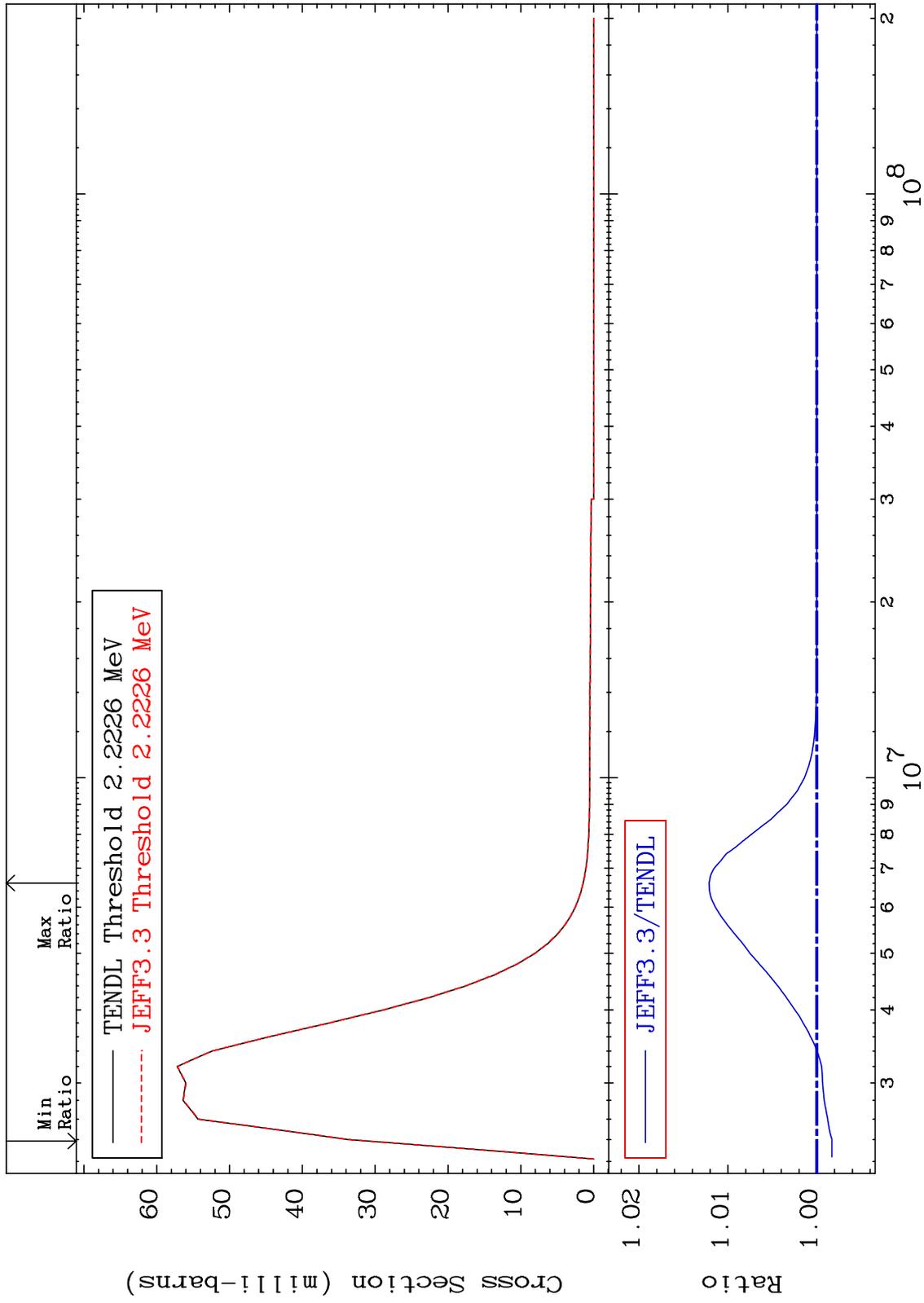
50-Sn-124
-0.032 To 6.557 %



MAT 5061

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

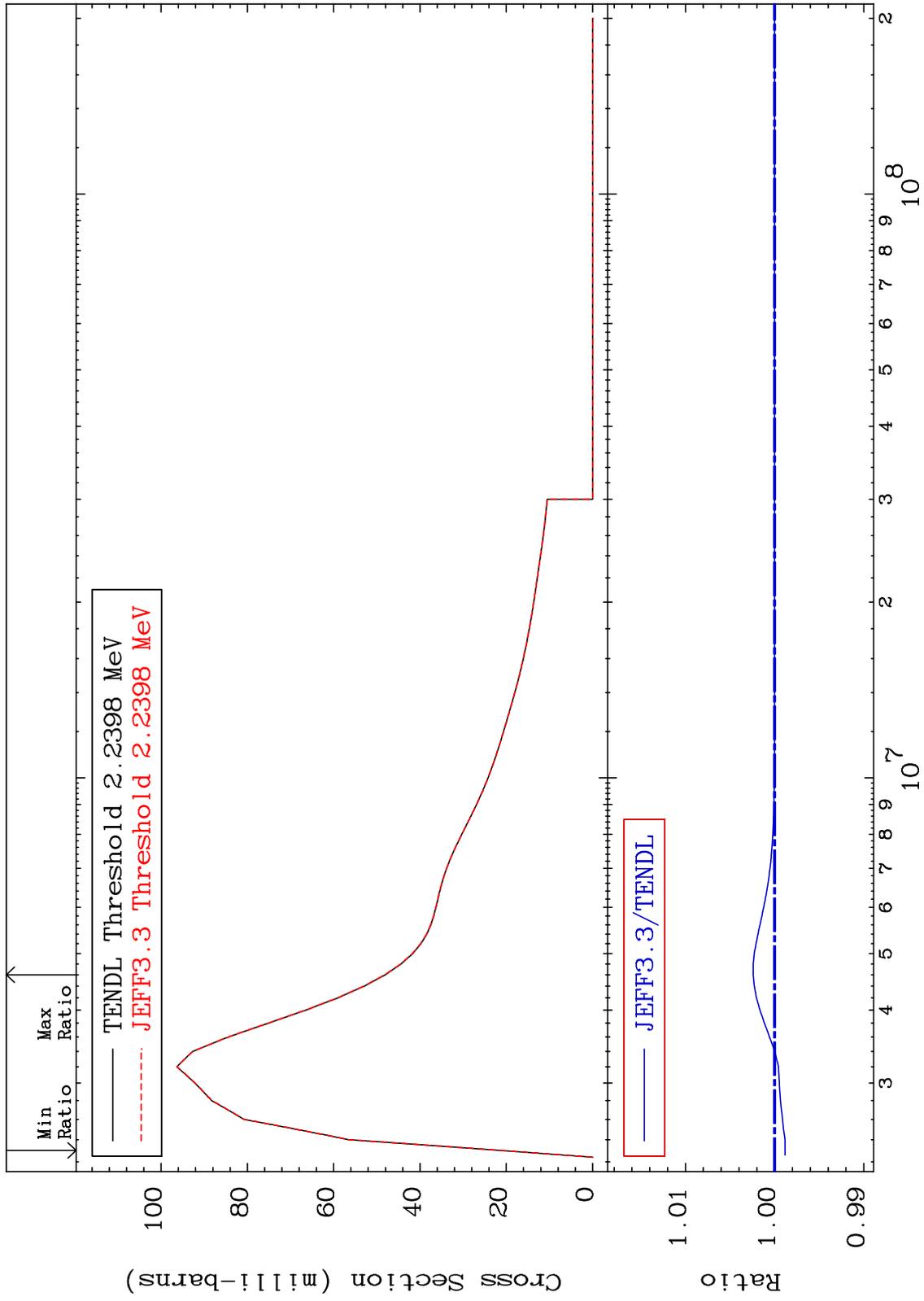
50-Sn-124
-0.170 To 1.211 %



MAT 5061

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

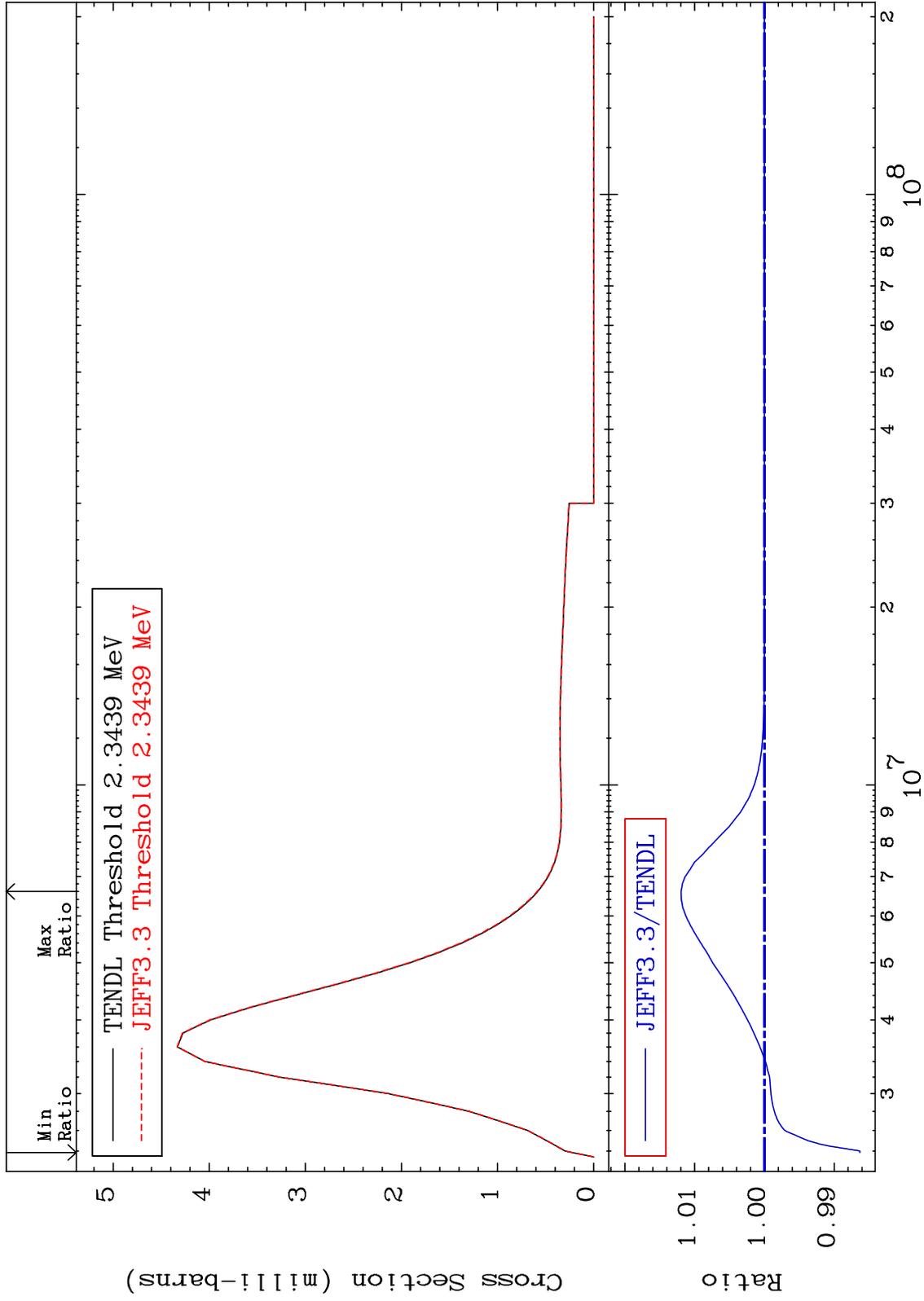
50-Sn-124
-0.1117 To 0.240 %



MAT 5061

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

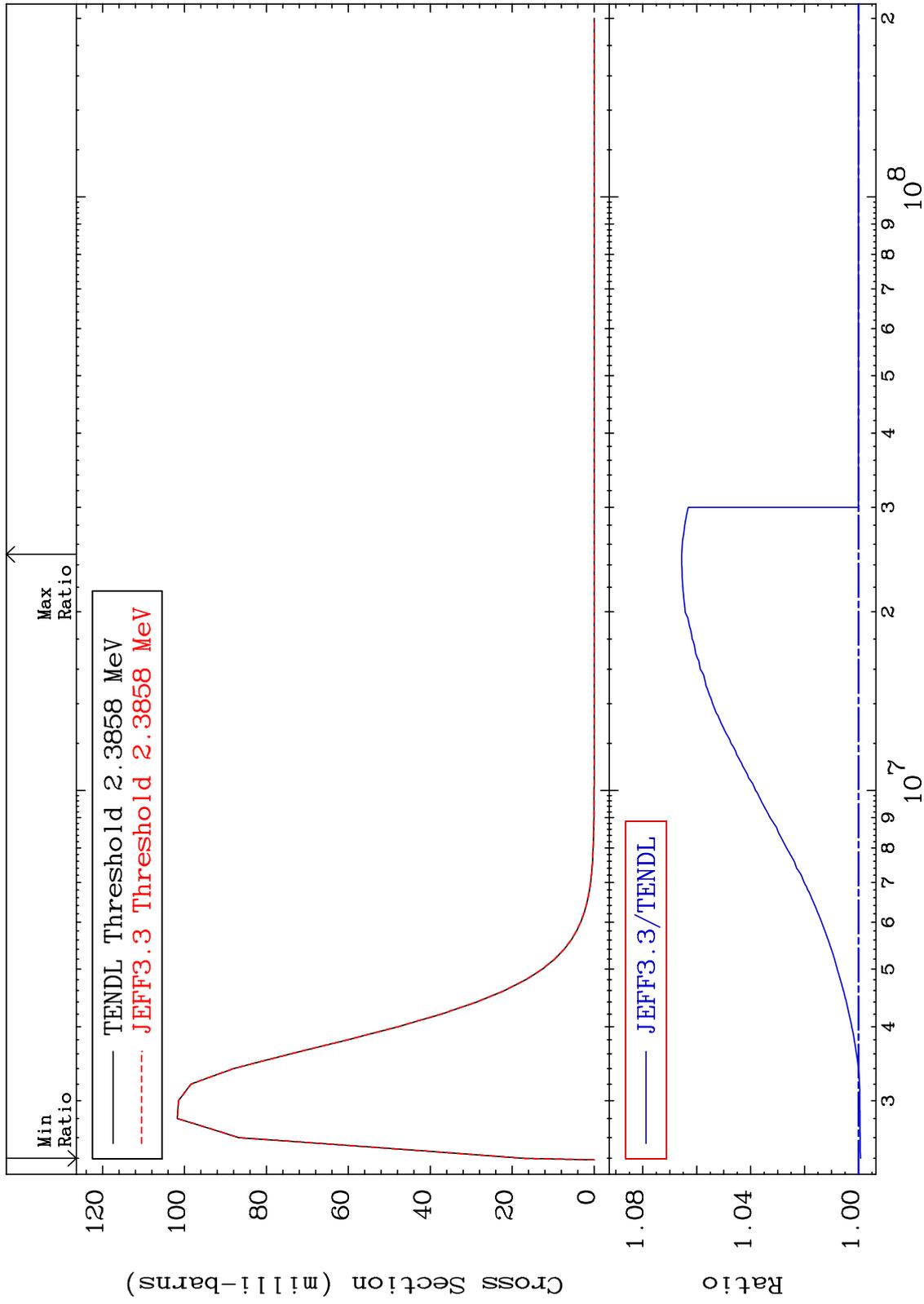
50-Sn-124
-1.369 To 1.194 %



MAT 5061

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

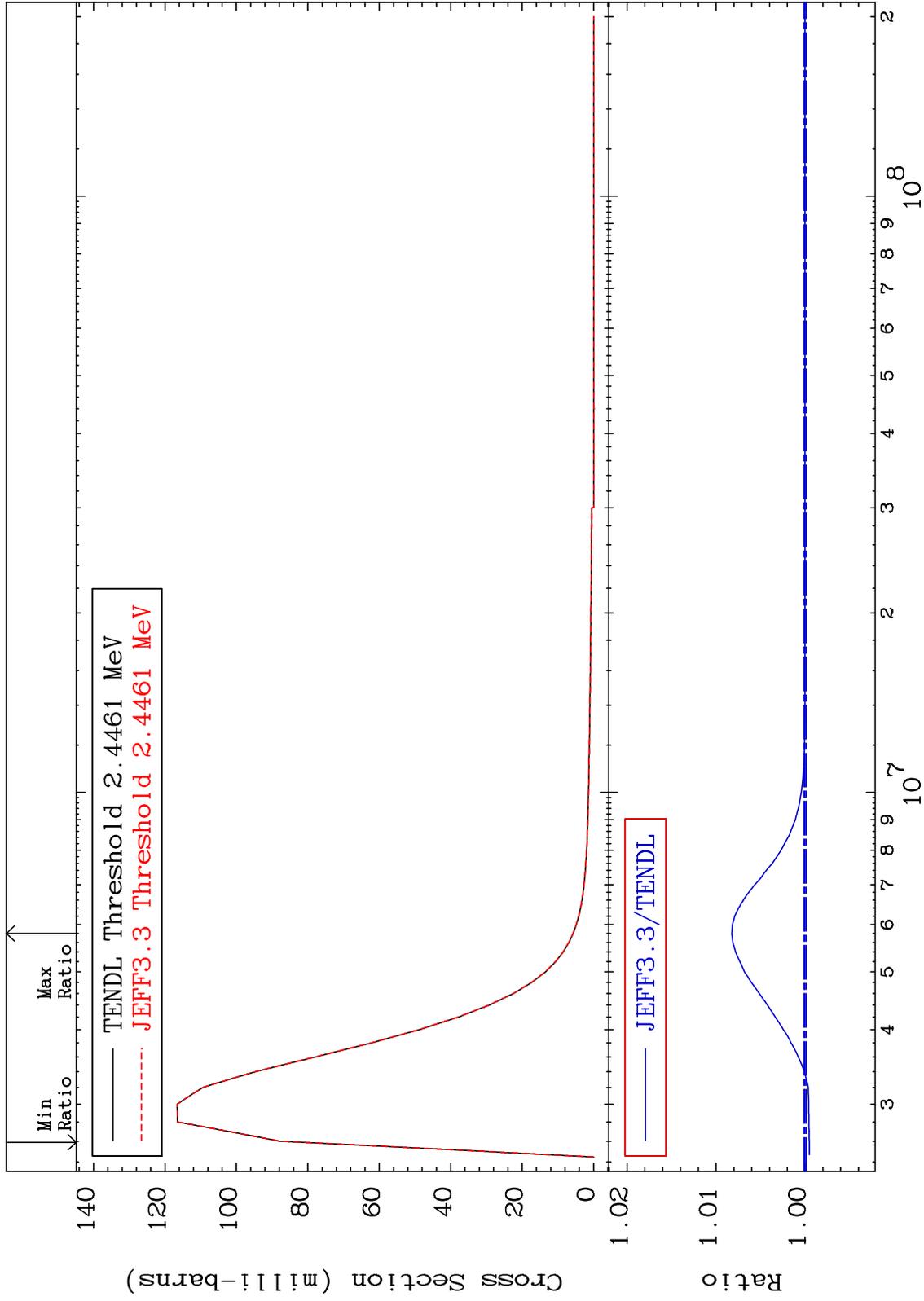
50-Sn-124
-0.080 To 6.557 %



MAT 5061

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

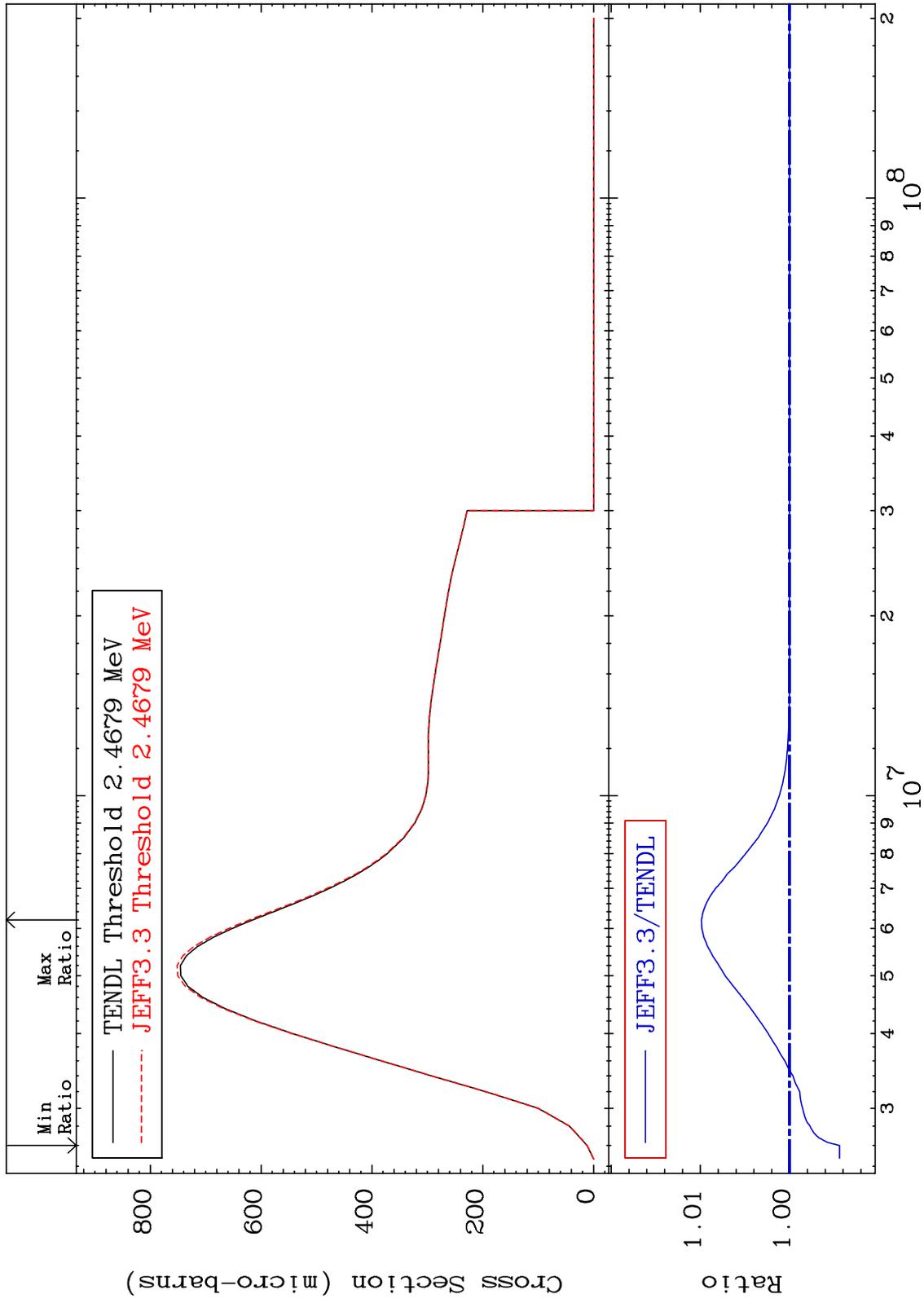
50-Sn-124
-0.047 To 0.824 %



MAT 5061

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

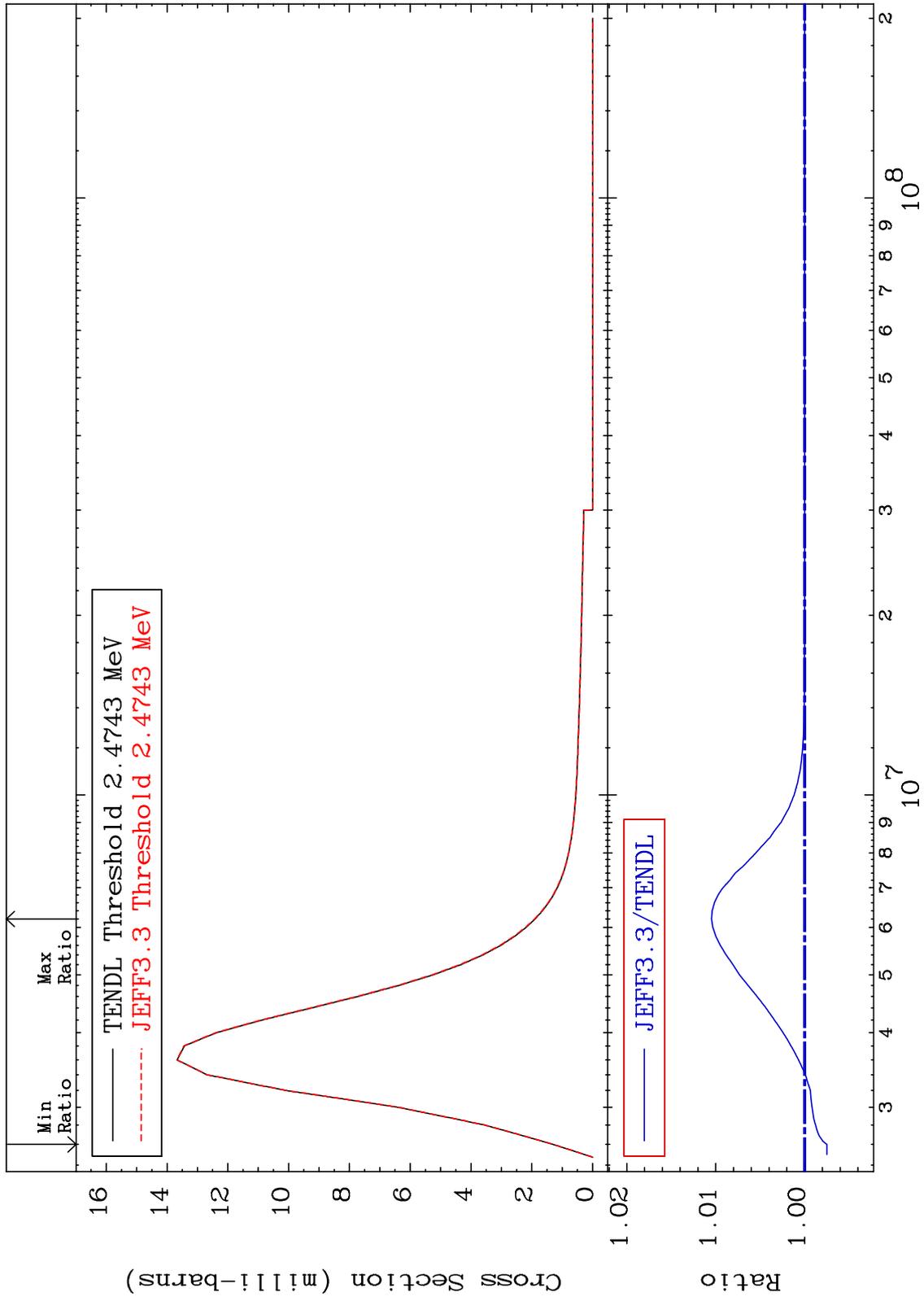
50-Sn-124
-0.561 To 0.988 %



MAT 5061

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

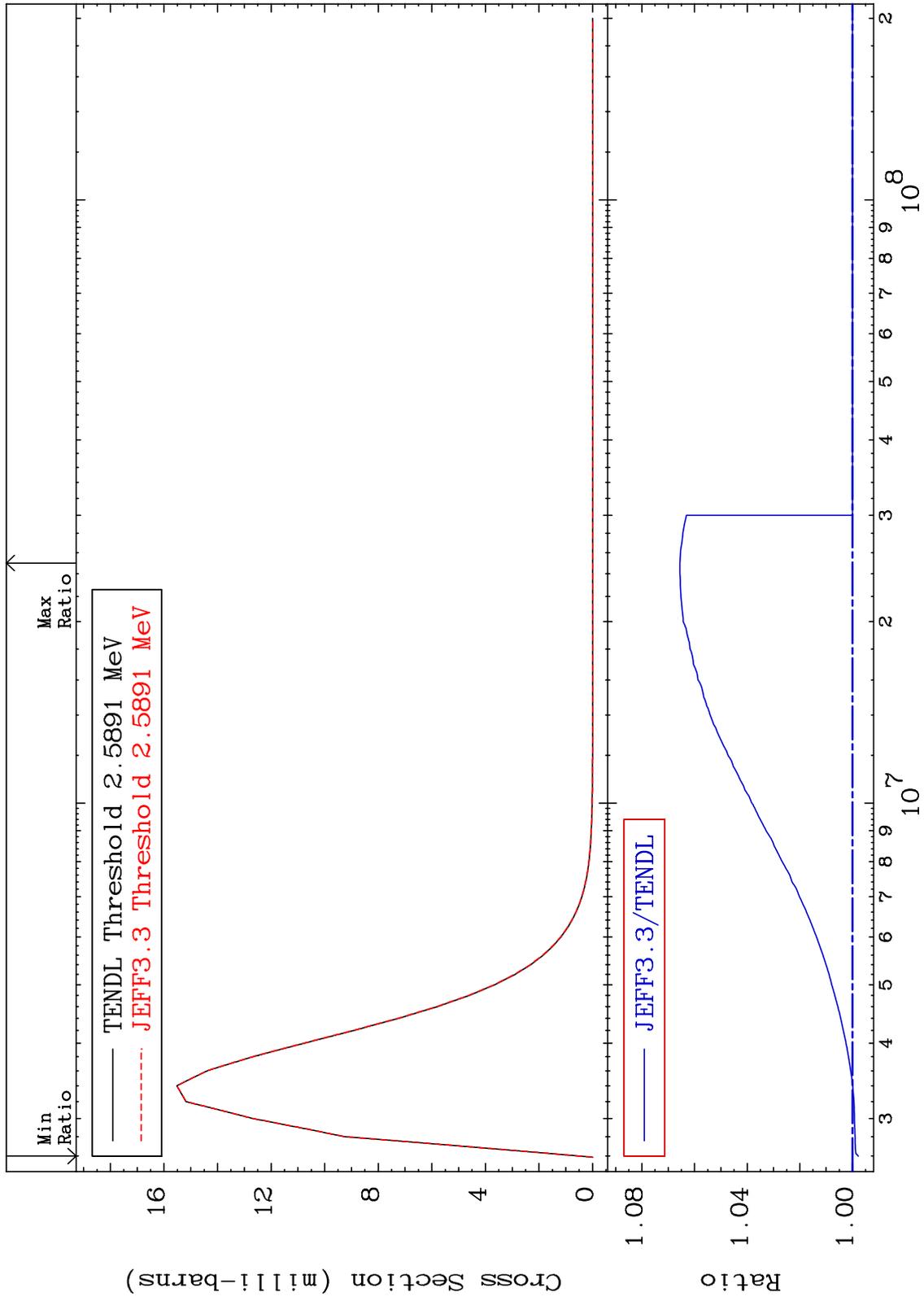
50-Sn-124
-0.250 To 1.048 %



MAT 5061

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

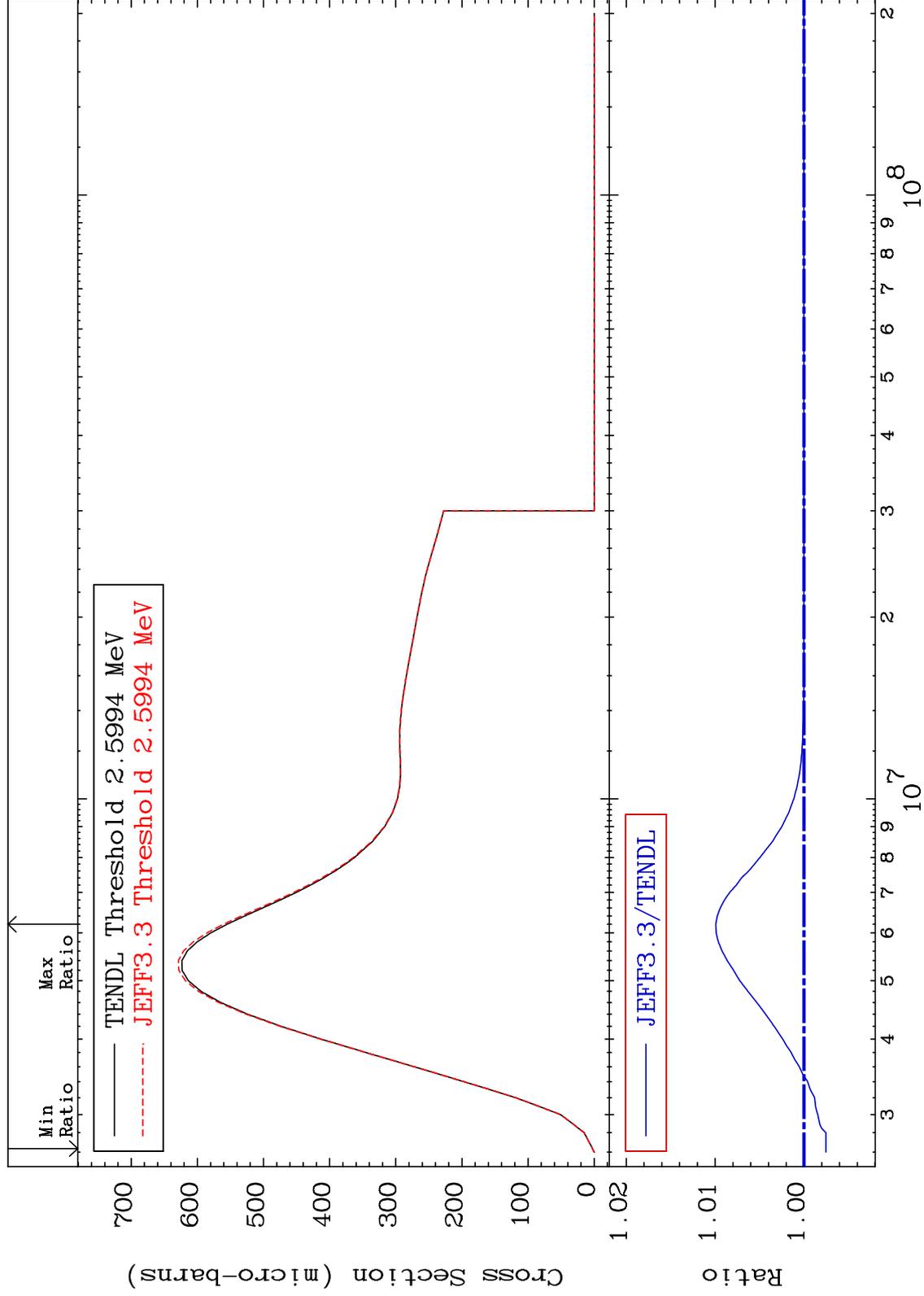
50-Sn-124
-0.225 To 6.556 %



MAT 5061

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

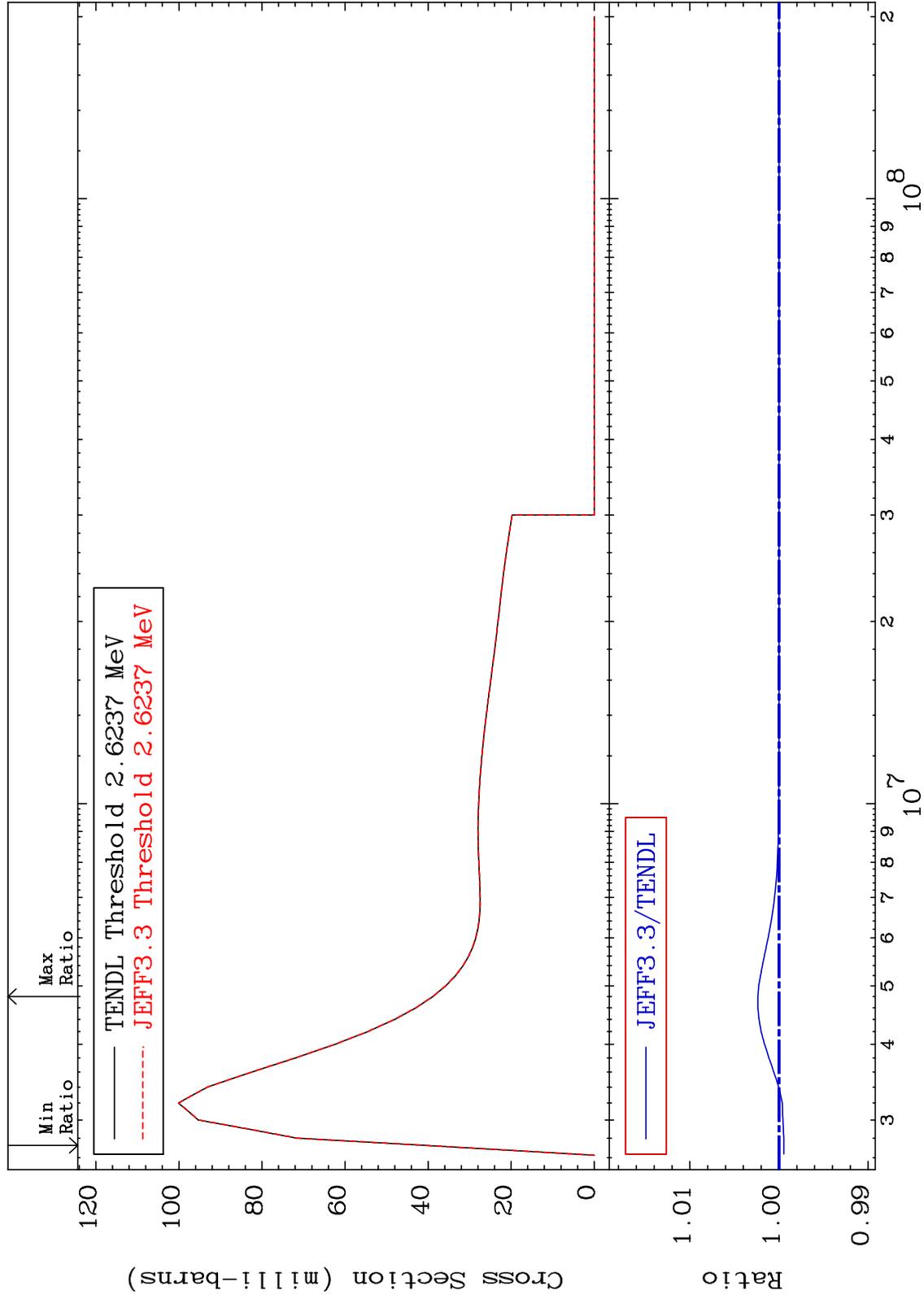
50-Sn-124
-0.246 To 0.993 %



MAT 5061

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

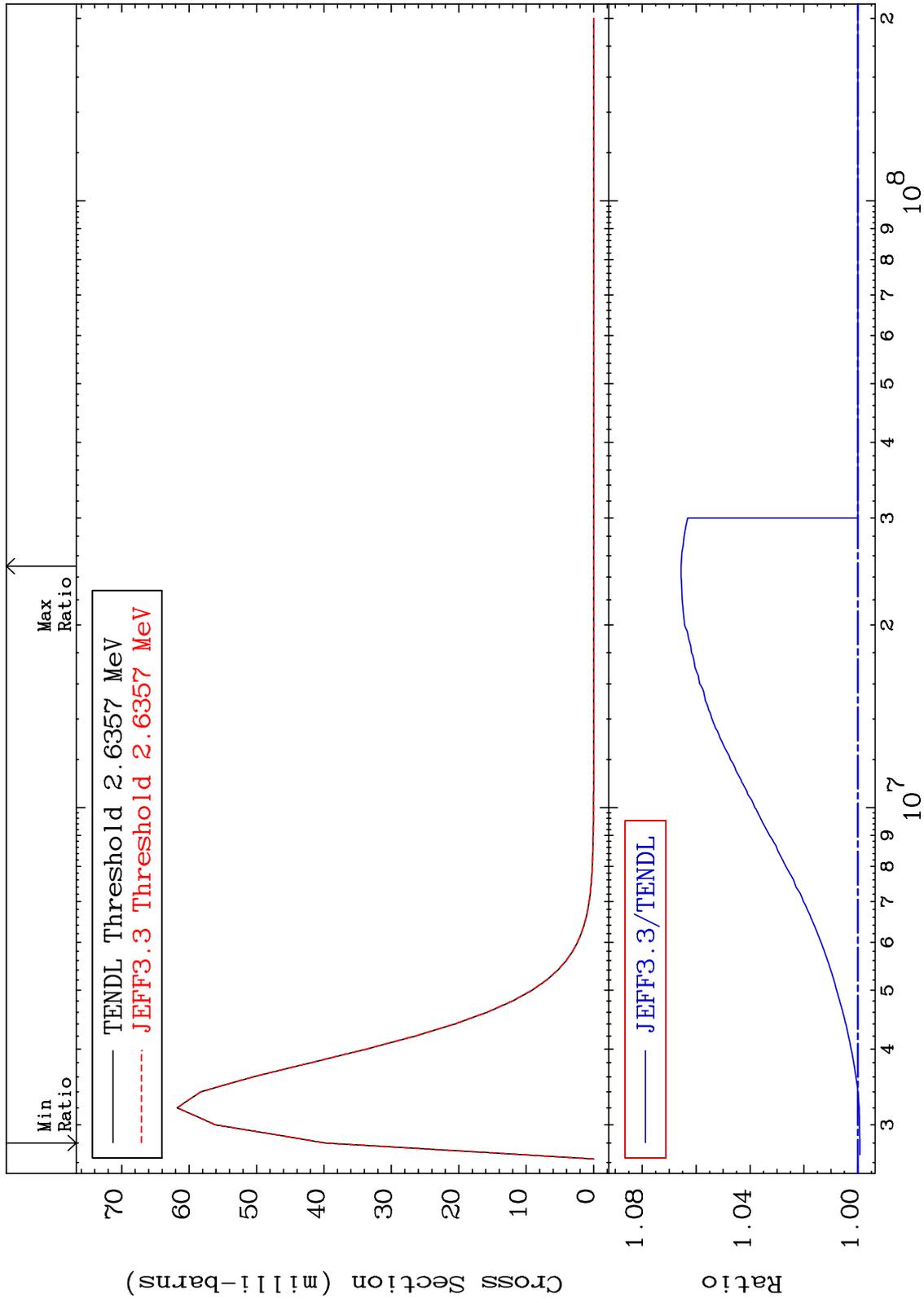
50-Sn-124
-0.053 To 0.238 %



MAT 5061

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

50-Sn-124
-0.076 To 6.557 %



50-Sn-124

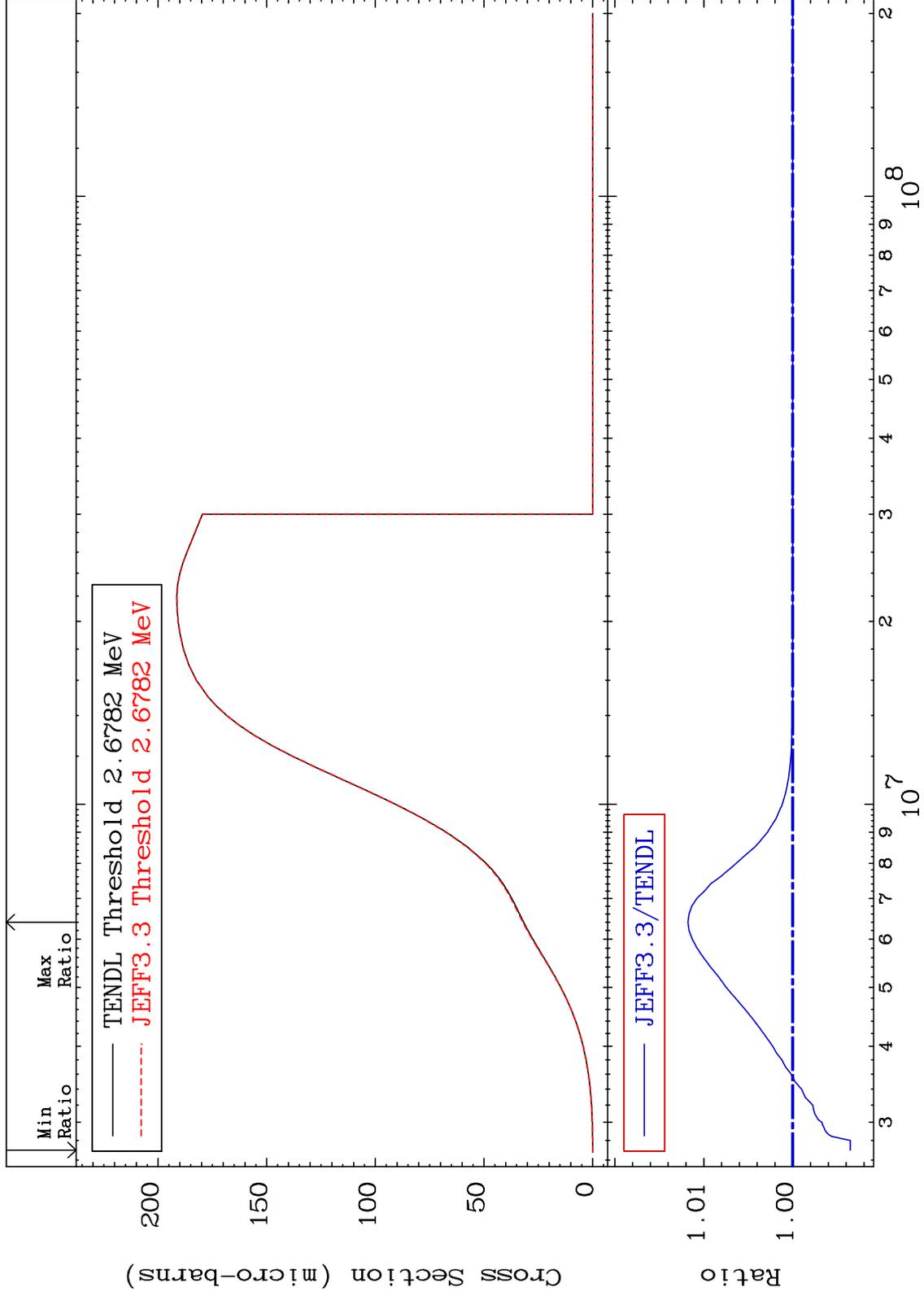
Incident Energy (eV)

30

MAT 5061

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

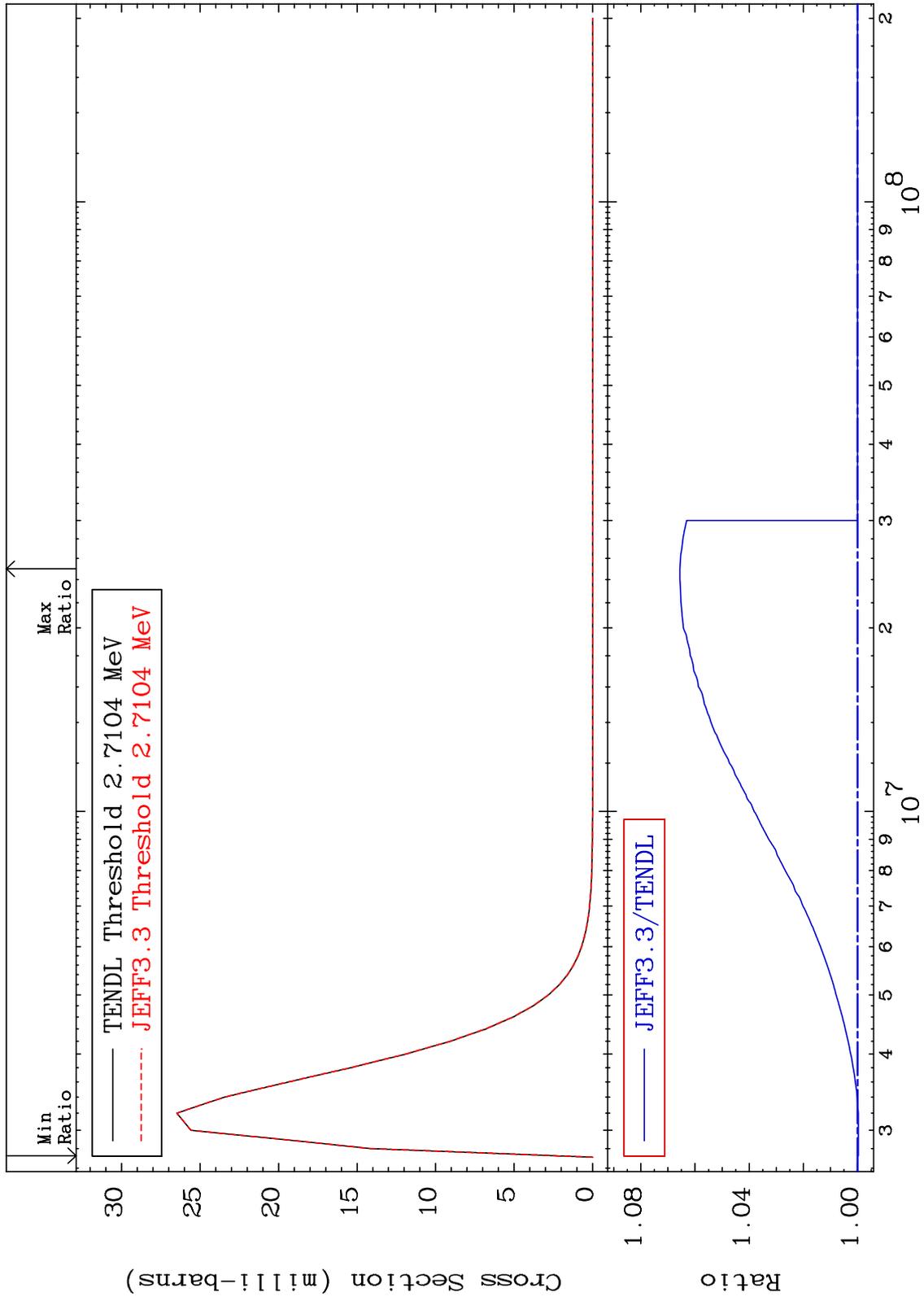
50-Sn-124
-0.647 To 1.177 %



MAT 5061

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

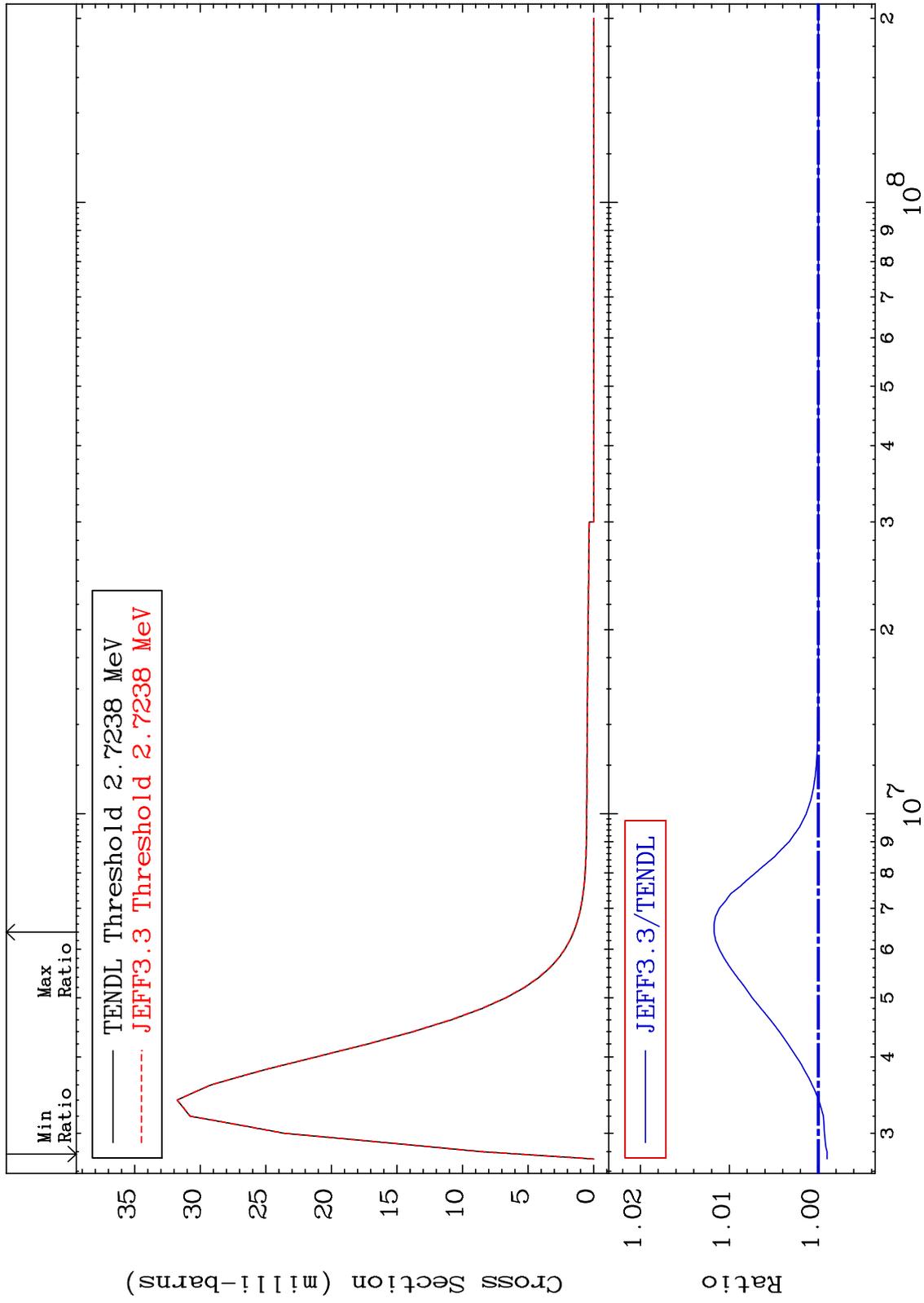
50-Sn-124
-0.030 To 6.557 %



MAT 5061

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

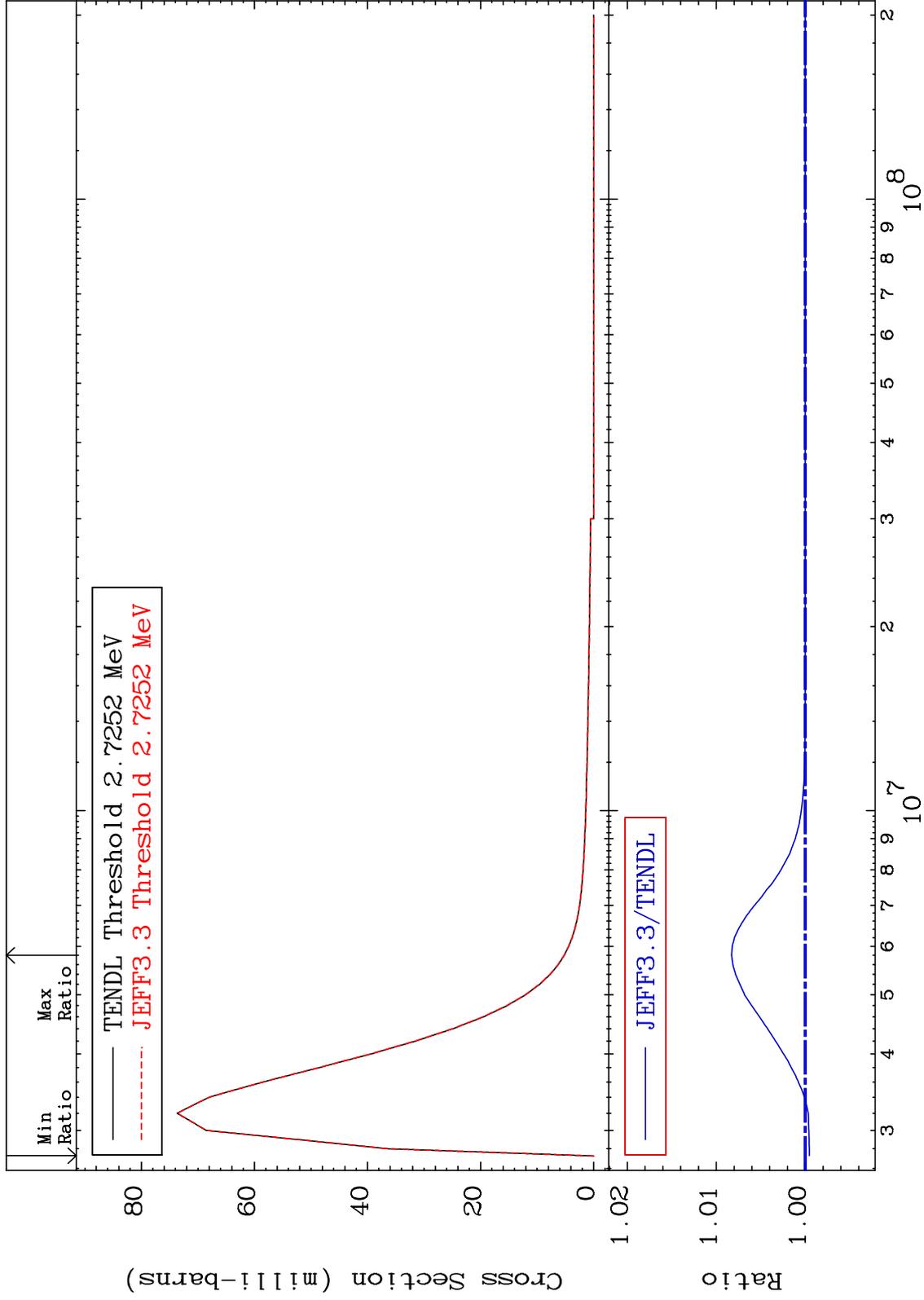
50-Sn-124
-0.099 To 1.172 %



MAT 5061

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

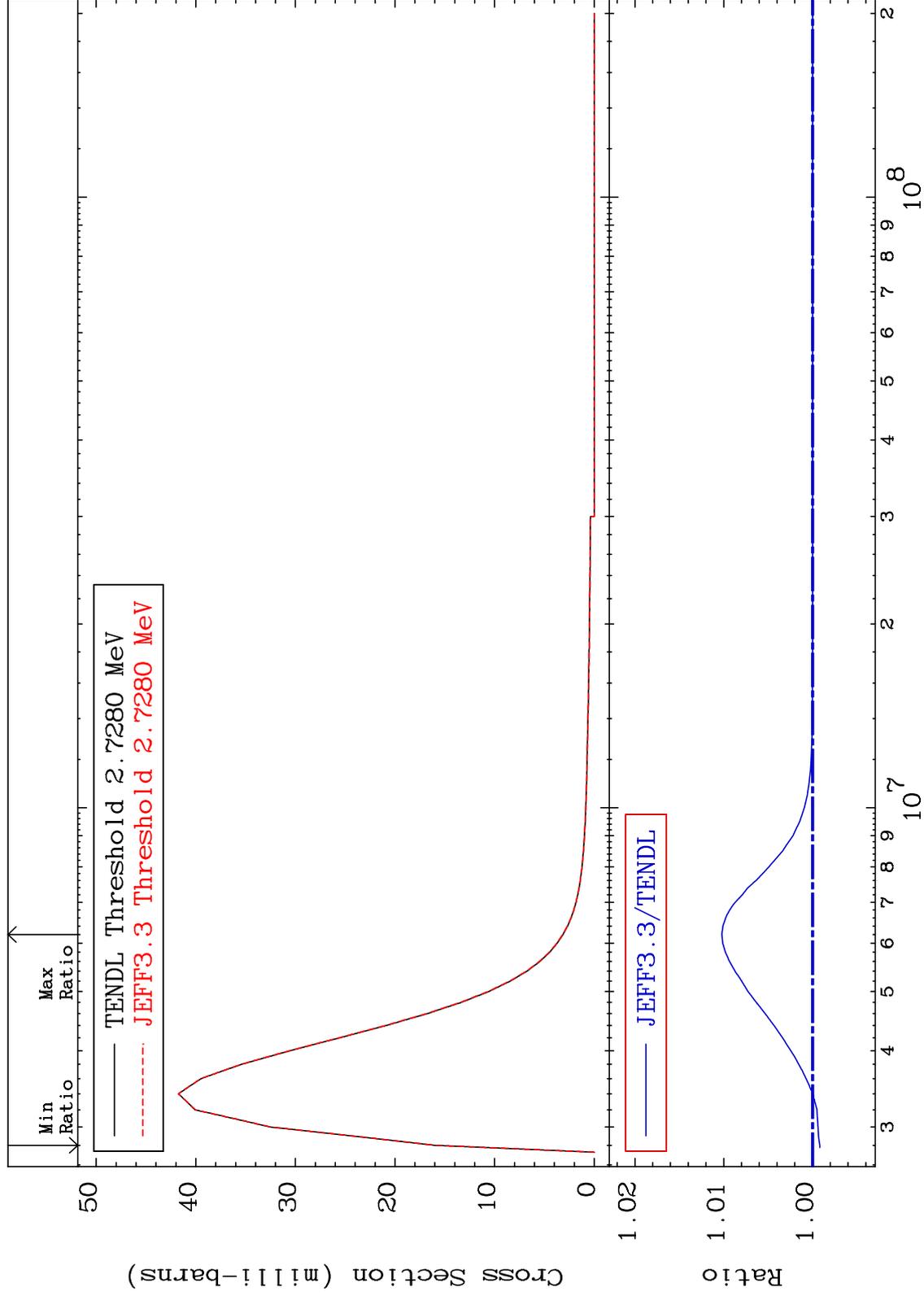
50-Sn-124
-0.046 To 0.827 %



MAT 5061

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

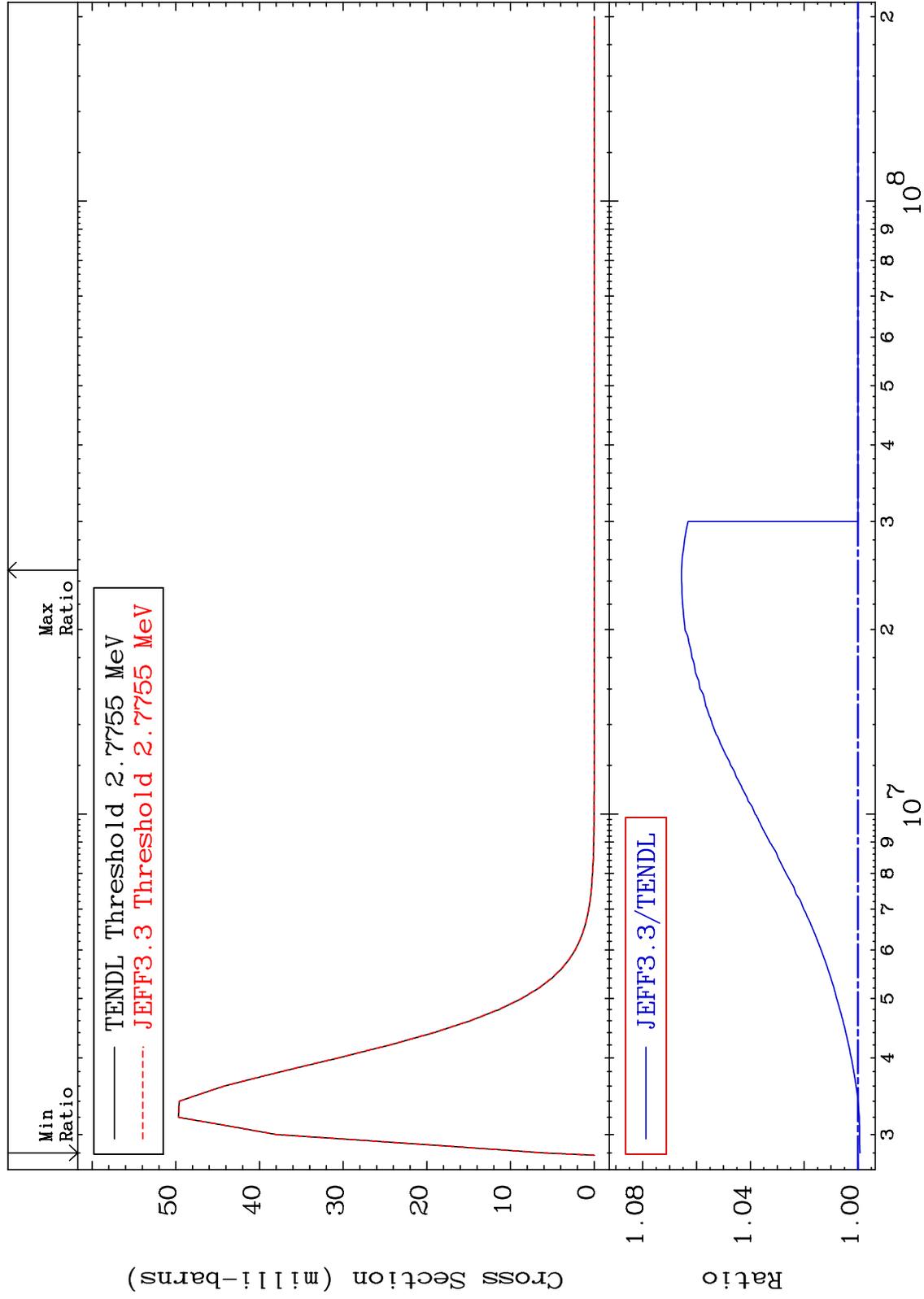
50-Sn-124
-0.082 To 1.022 %



MAT 5061

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

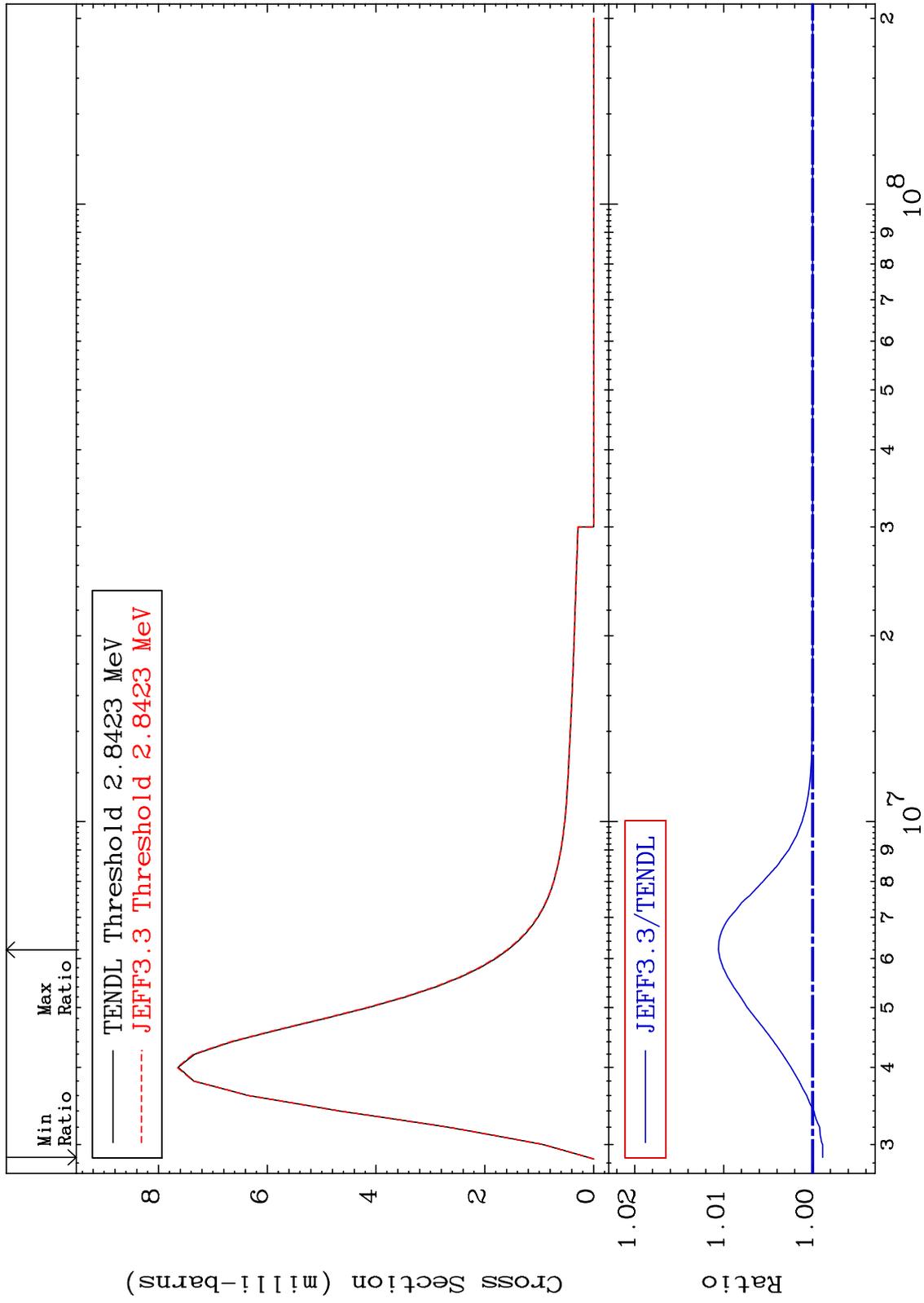
50-Sn-124
-0.078 To 6.557 %



MAT 5061

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

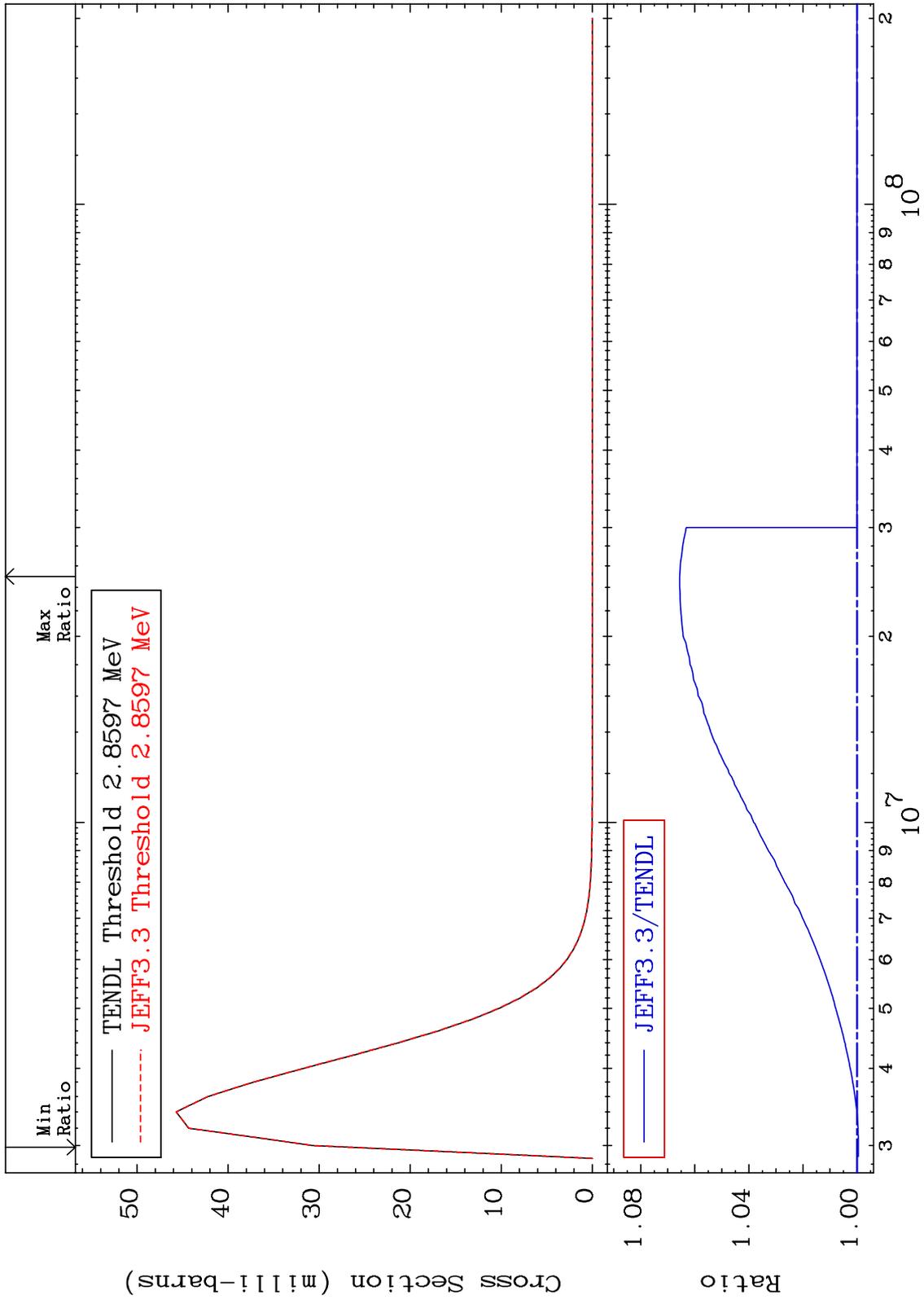
50-Sn-124
-0.113 To 1.059 %



MAT 5061

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

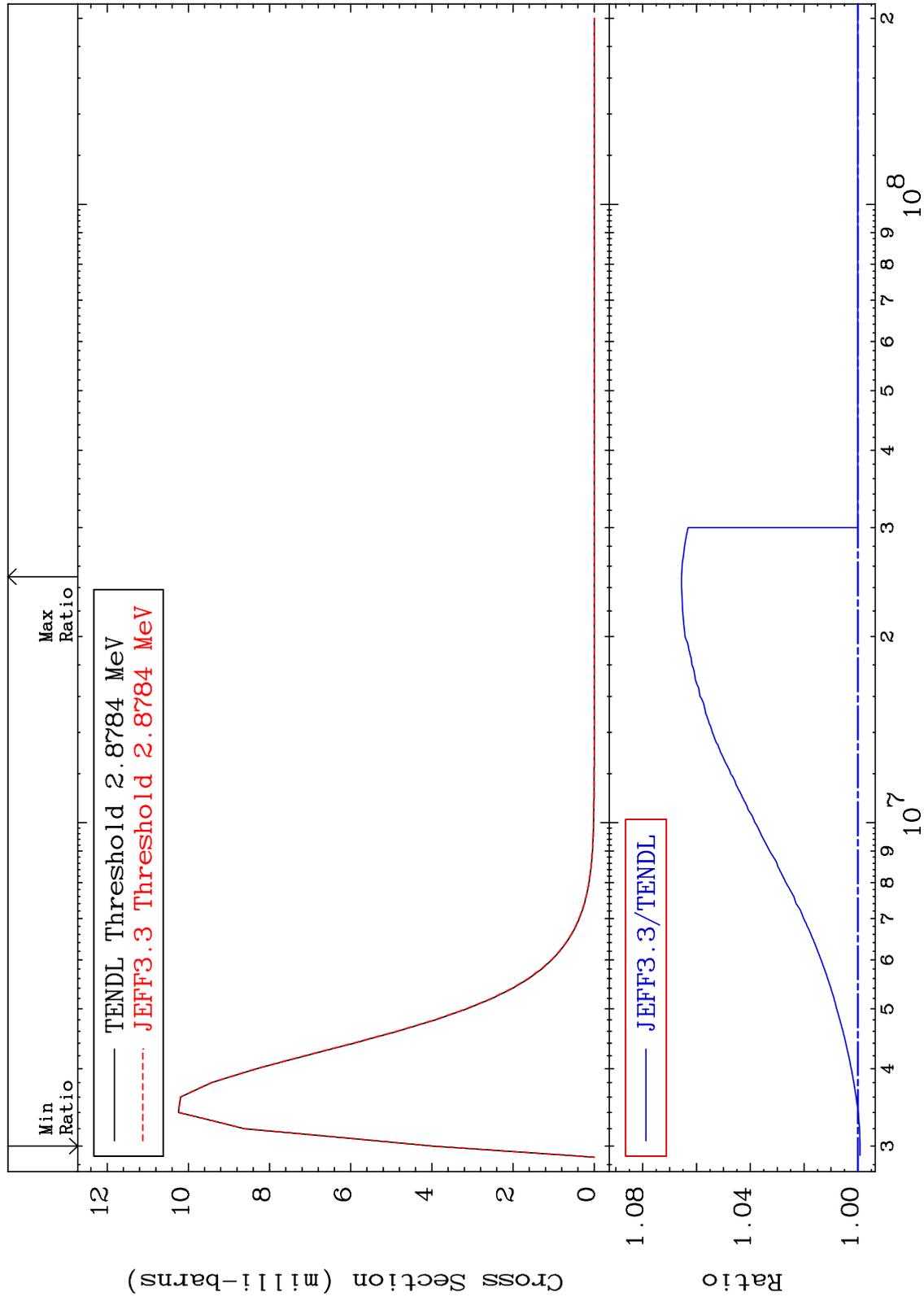
50-Sn-124
-0.048 To 6.557 %



MAT 5061

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

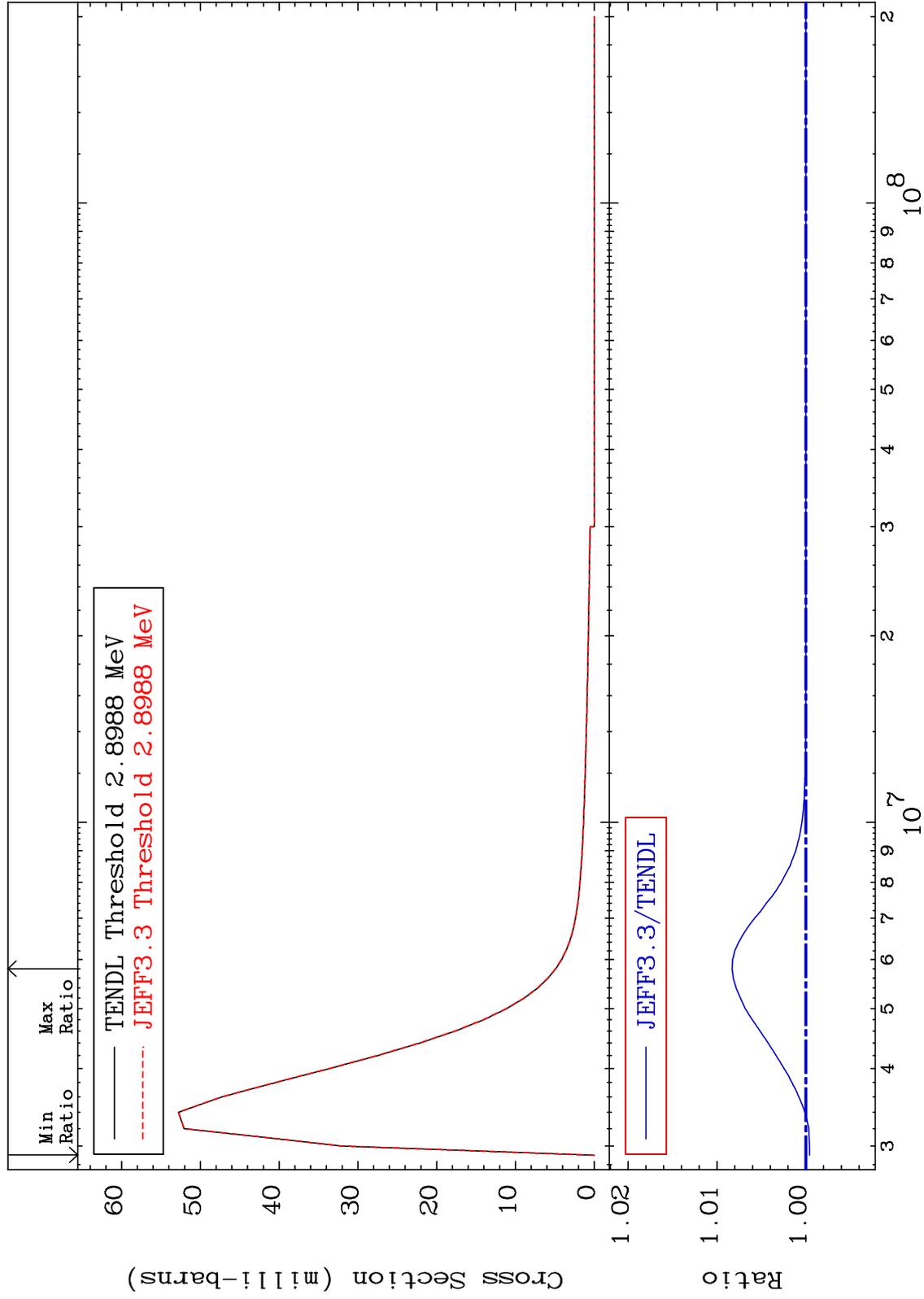
50-Sn-124
-0.079 To 6.556 %



MAT 5061

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

50-Sn-124
-0.041 To 0.830 %



40

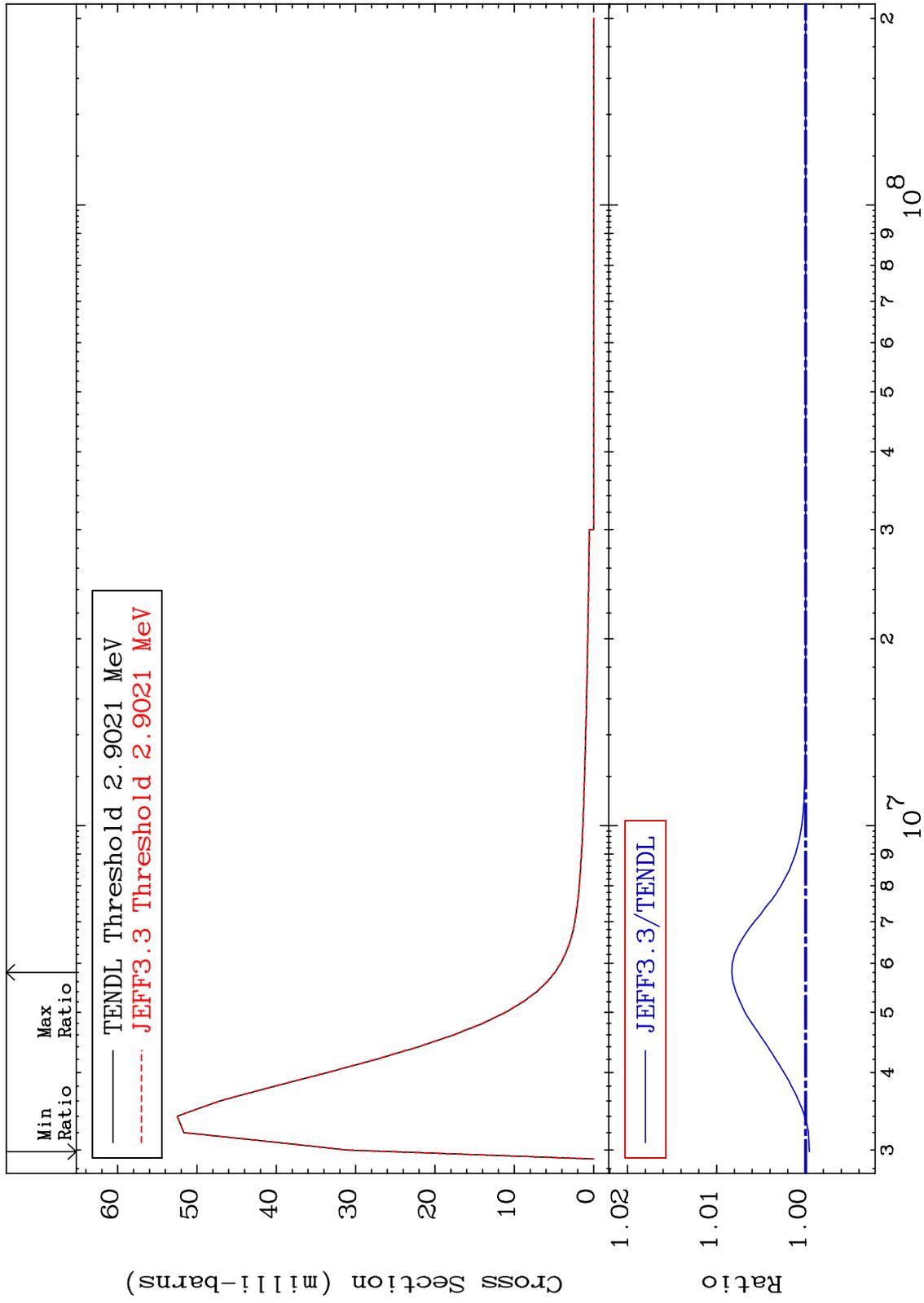
Incident Energy (eV)

50-Sn-124

MAT 5061

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

50-Sn-124
-0.041 To 0.830 %



41

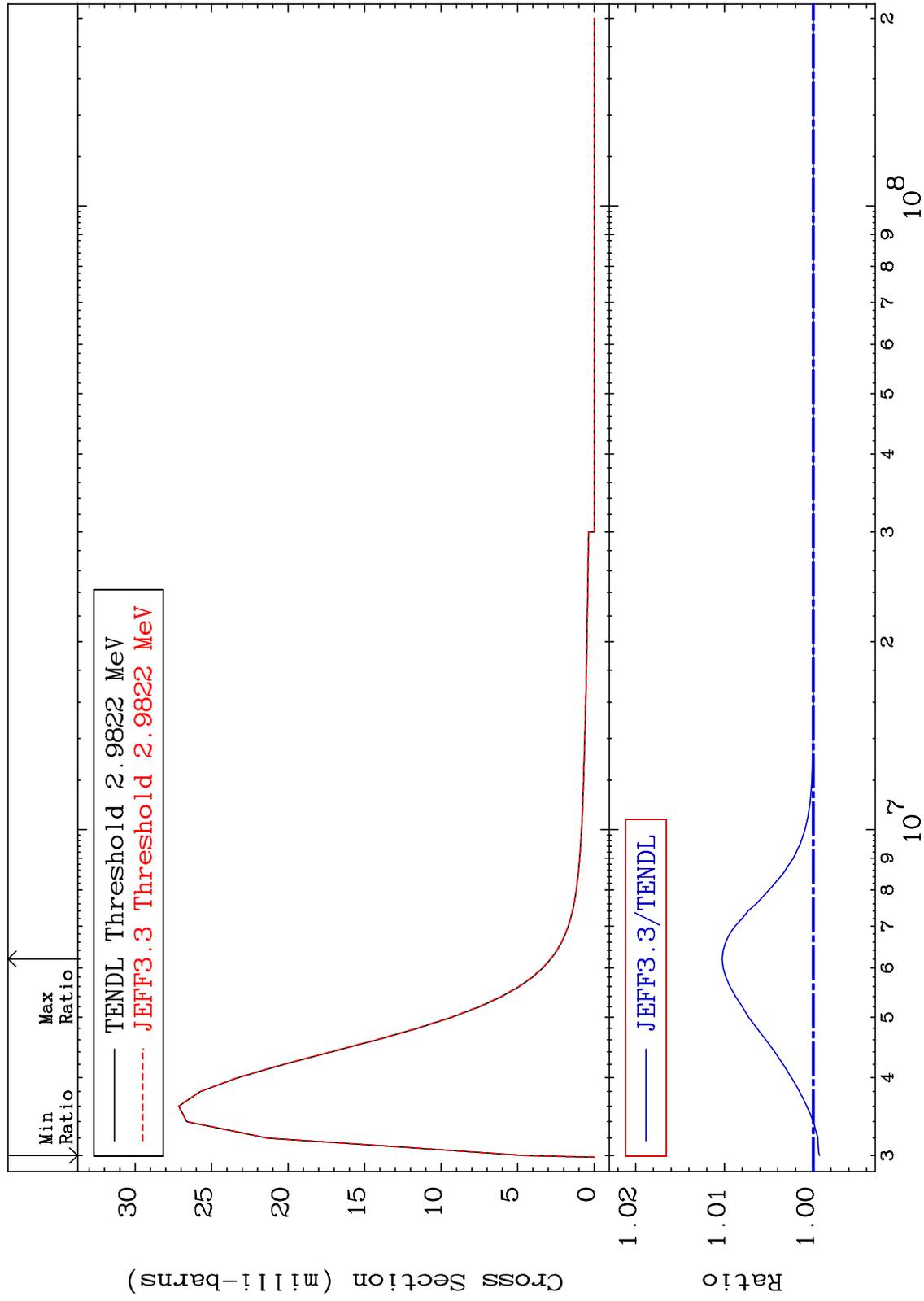
Incident Energy (eV)

50-Sn-124

MAT 5061

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

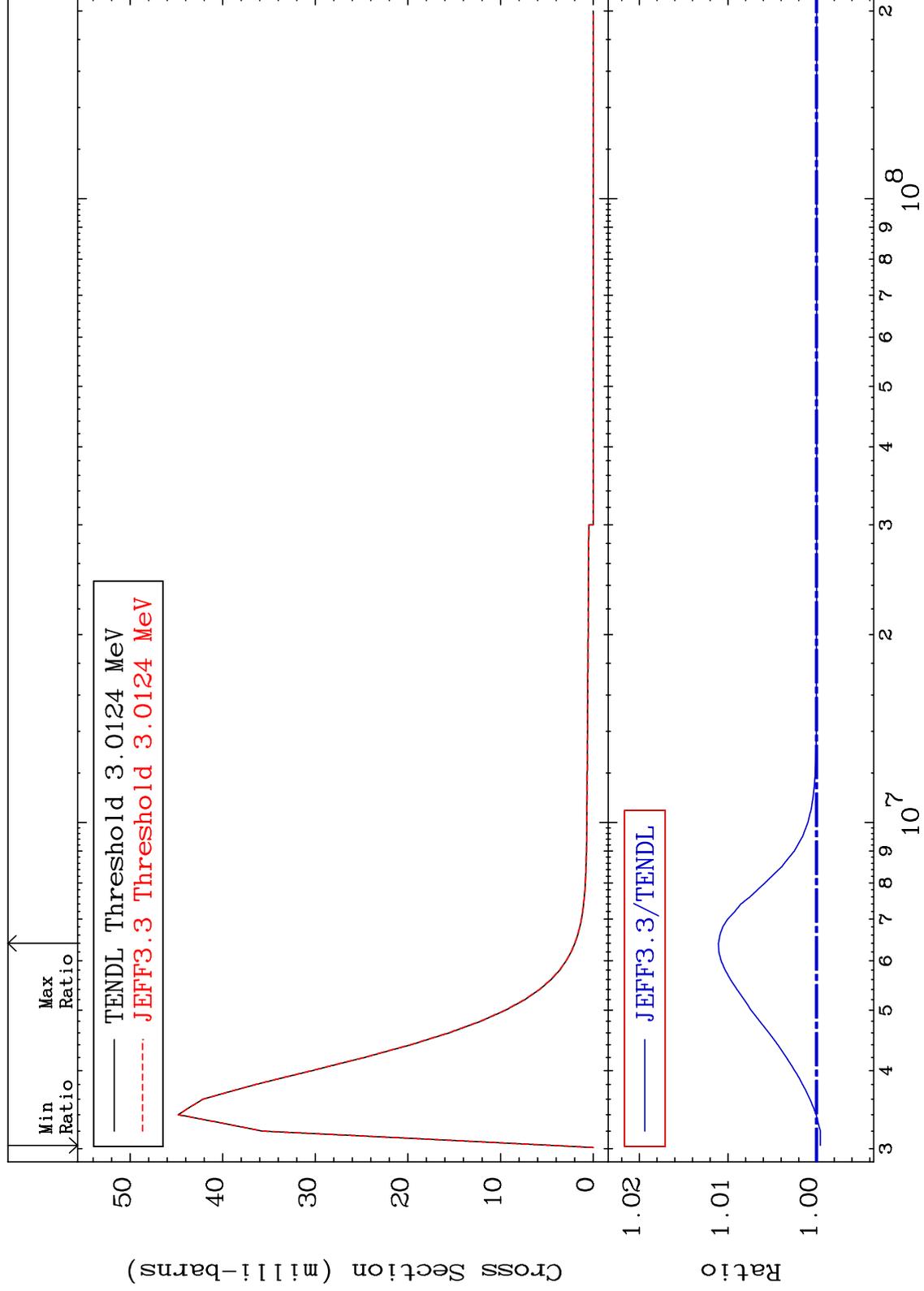
50-Sn-124
-0.070 To 1.027 %



MAT 5061

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

50-Sn-124
-0.043 To 1.107 %



43

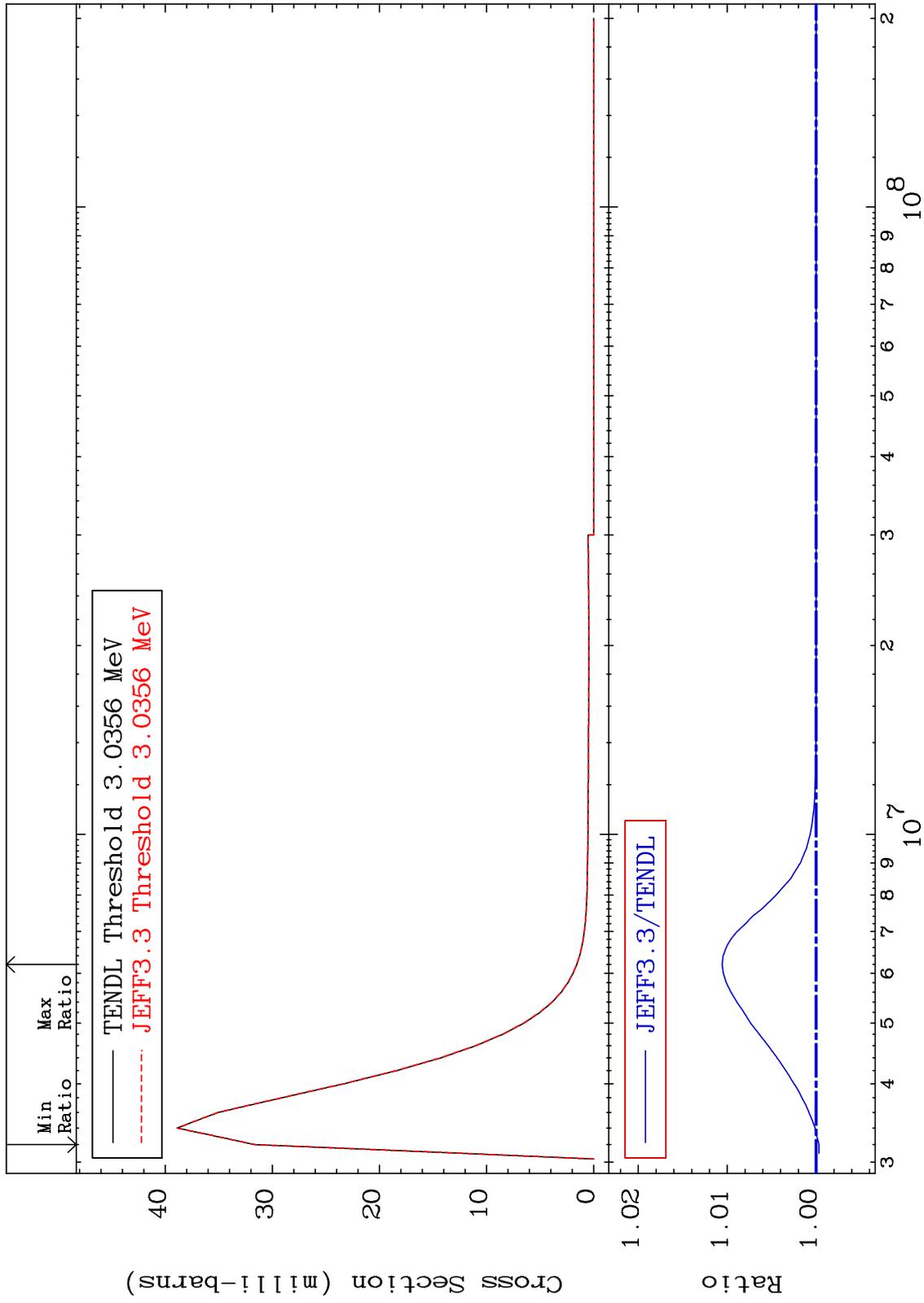
Incident Energy (eV)

50-Sn-124

MAT 5061

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

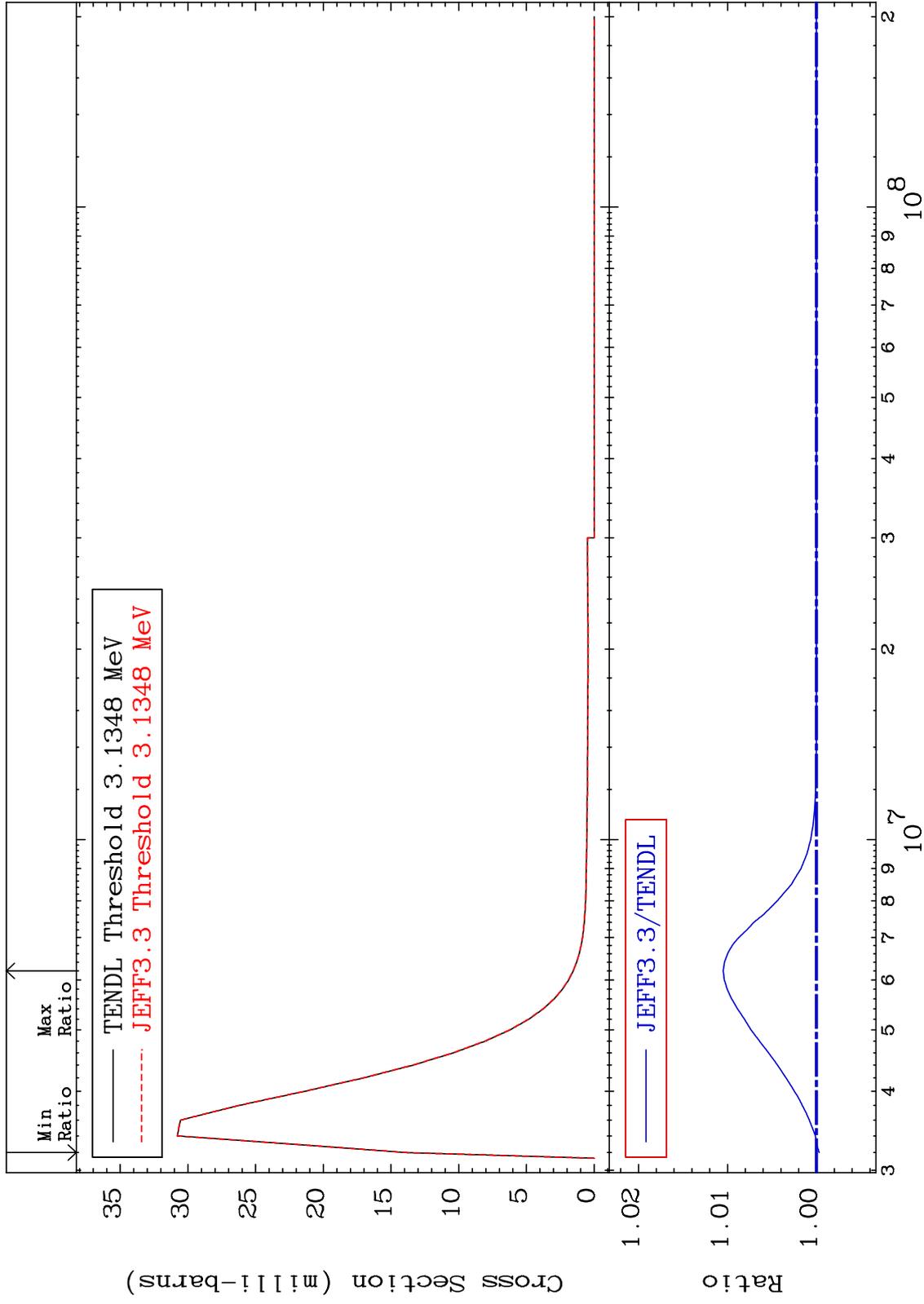
50-Sn-124
-0.031 To 1.058 %



MAT 5061

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

50-Sn-124
-0.030 To 1.049 %



45

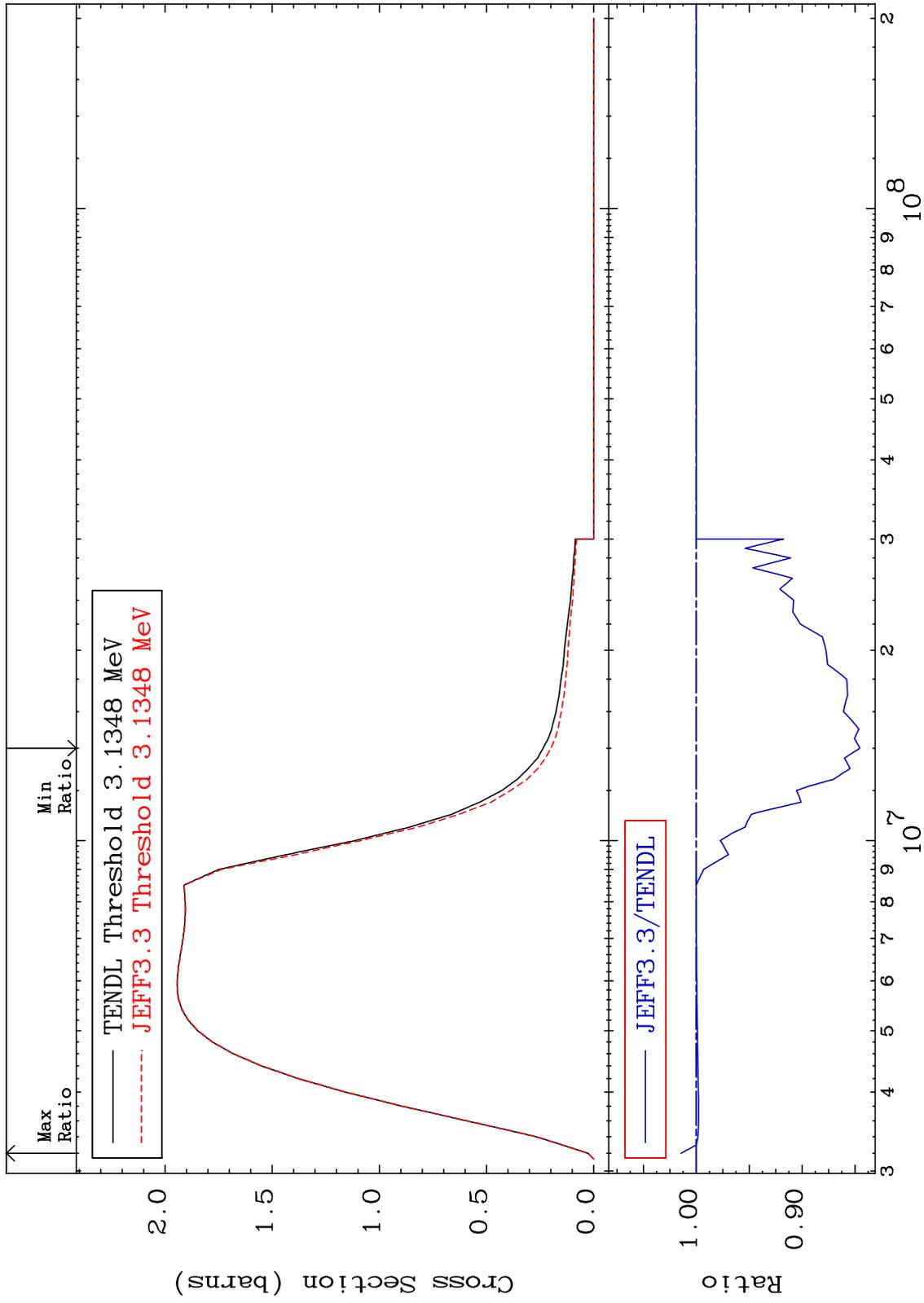
Incident Energy (eV)

50-Sn-124

MAT 5061

(n, n') Continuum
Cross Section

50-Sn-124
-15.47 To 1.430 %



46

Incident Energy (eV)

50-Sn-124

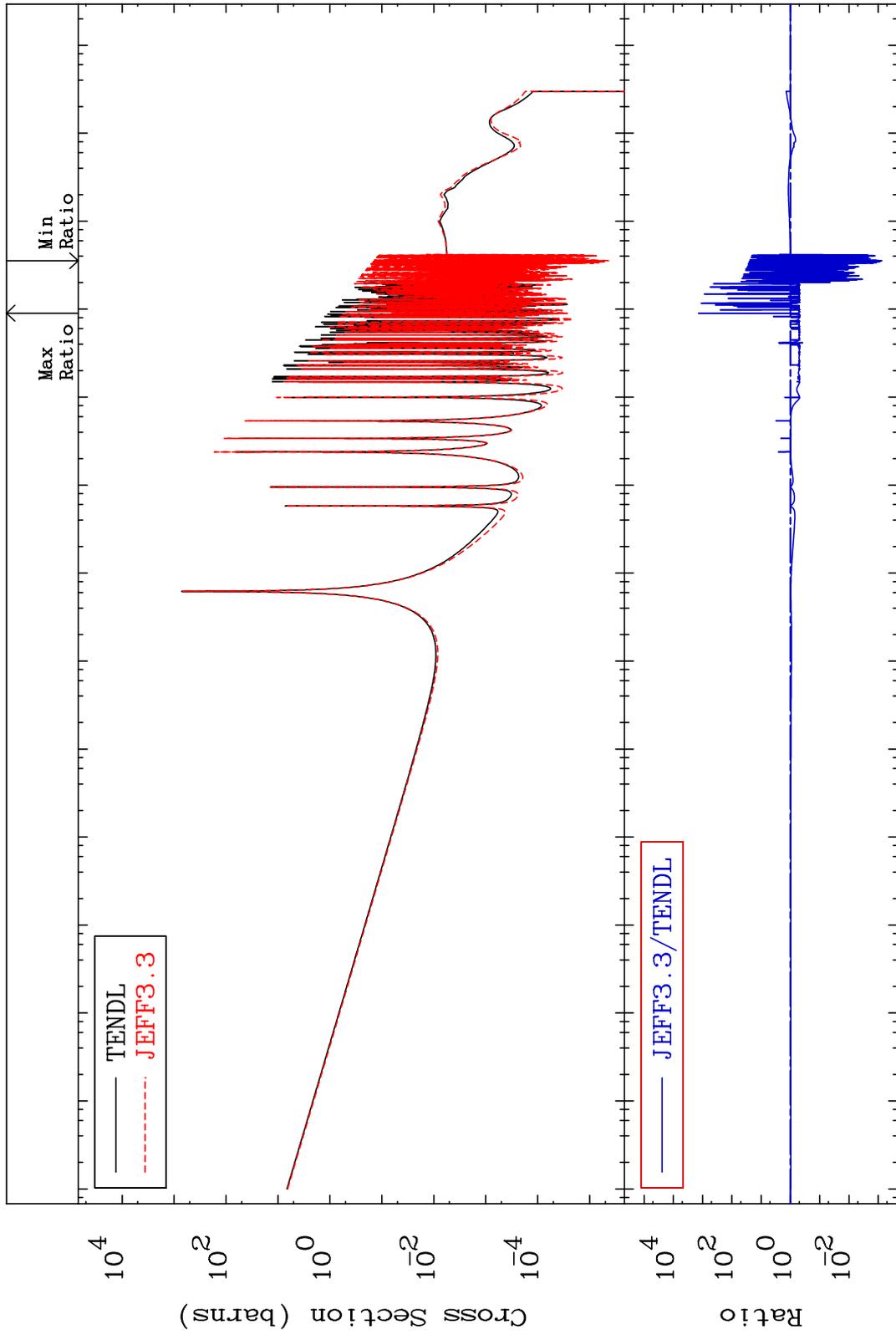
MAT 5061

(n, γ)

50-Sn-124

Cross Section

-99.93 To 9999. %



Incident Energy (eV)

47

50-Sn-124

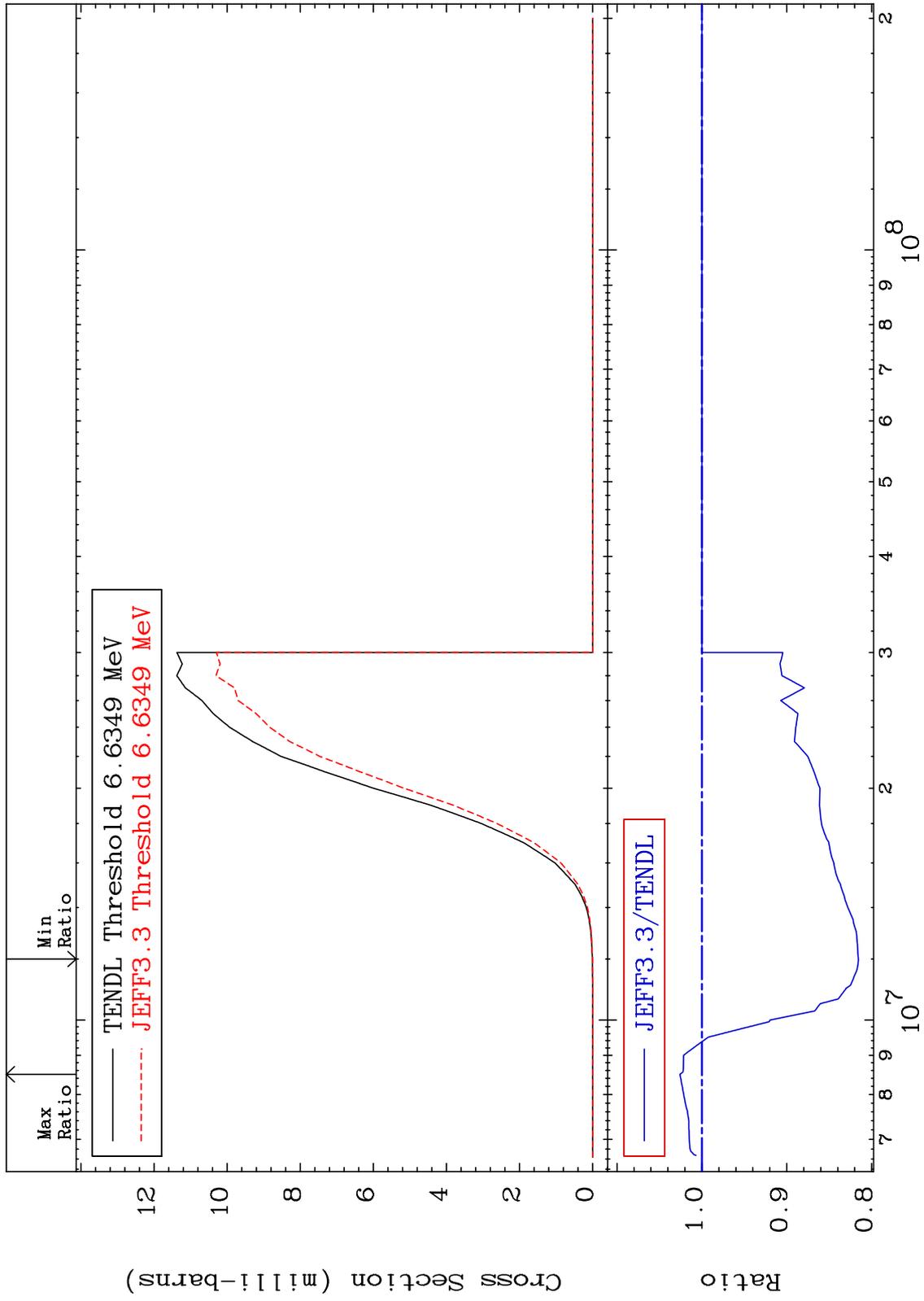
MAT 5061

(n,p)

50-Sn-124

Cross Section

-18.43 To 2.586 %



48

Incident Energy (eV)

50-Sn-124

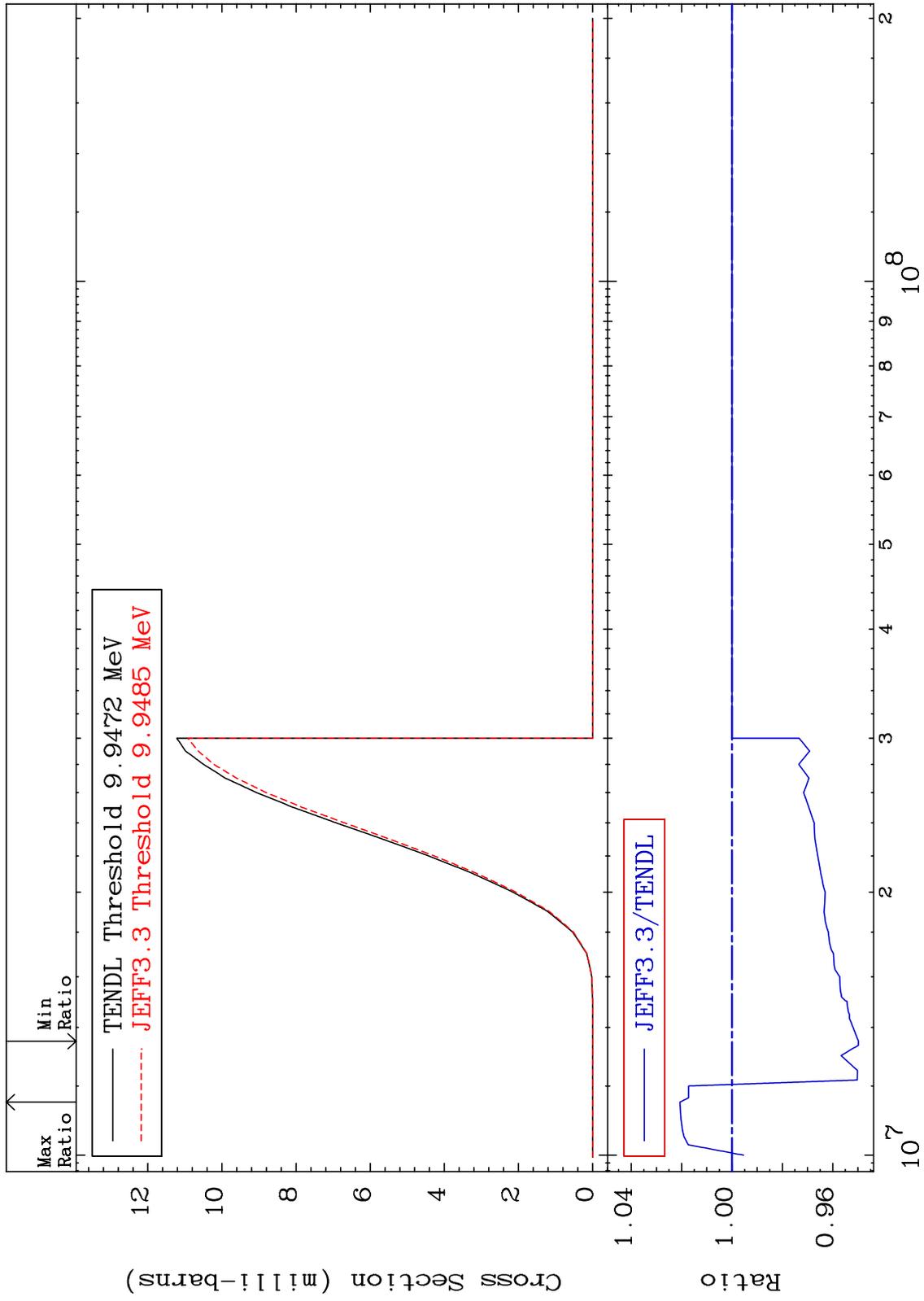
MAT 5061

(n, d)

50-Sn-124

Cross Section

-5.019 To 2.066 %



Incident Energy (eV)

50-Sn-124

49

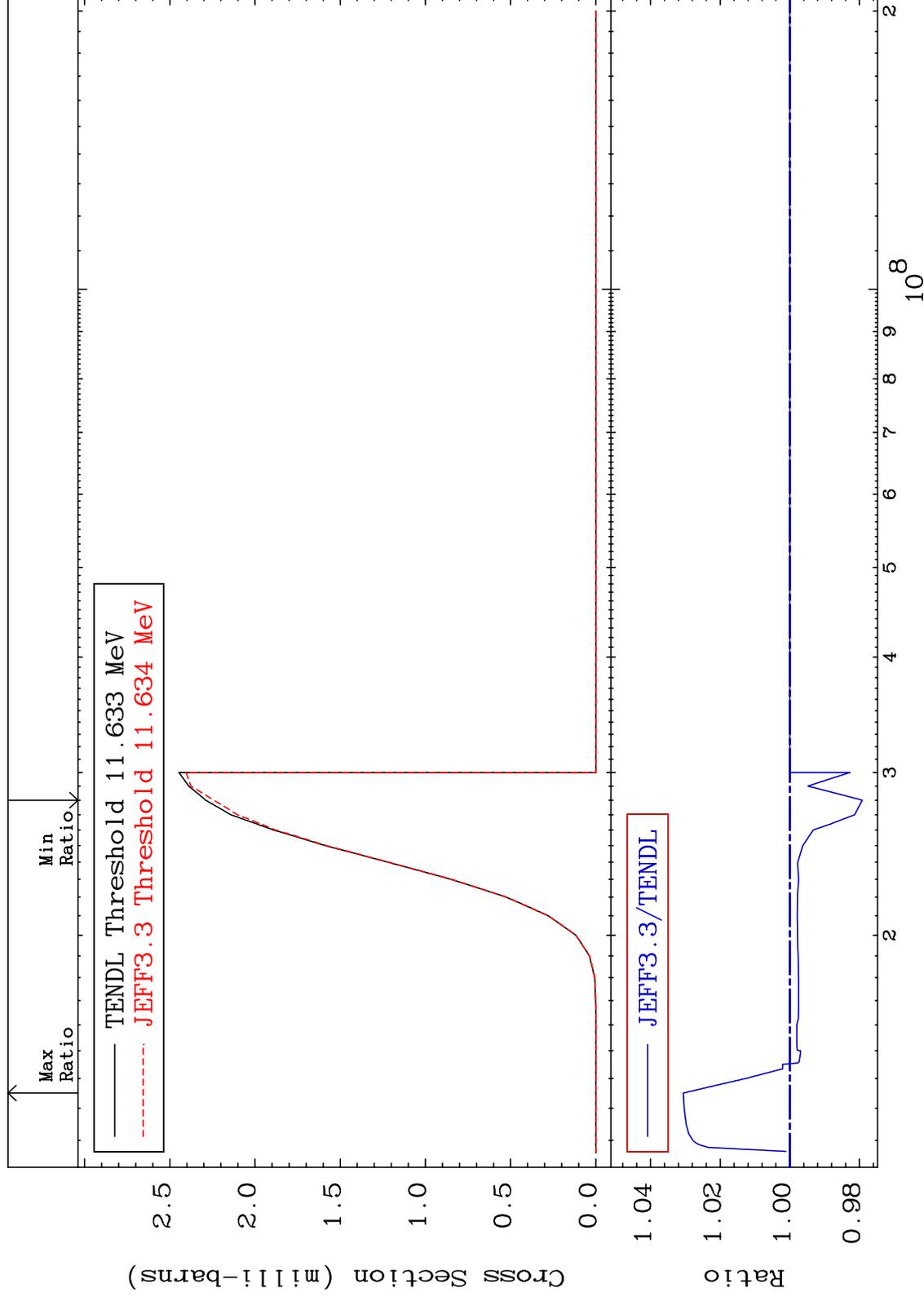
MAT 5061

(n, t)

50-Sn-124

Cross Section

-2.081 To 3.059 %



50

Incident Energy (eV)

50-Sn-124

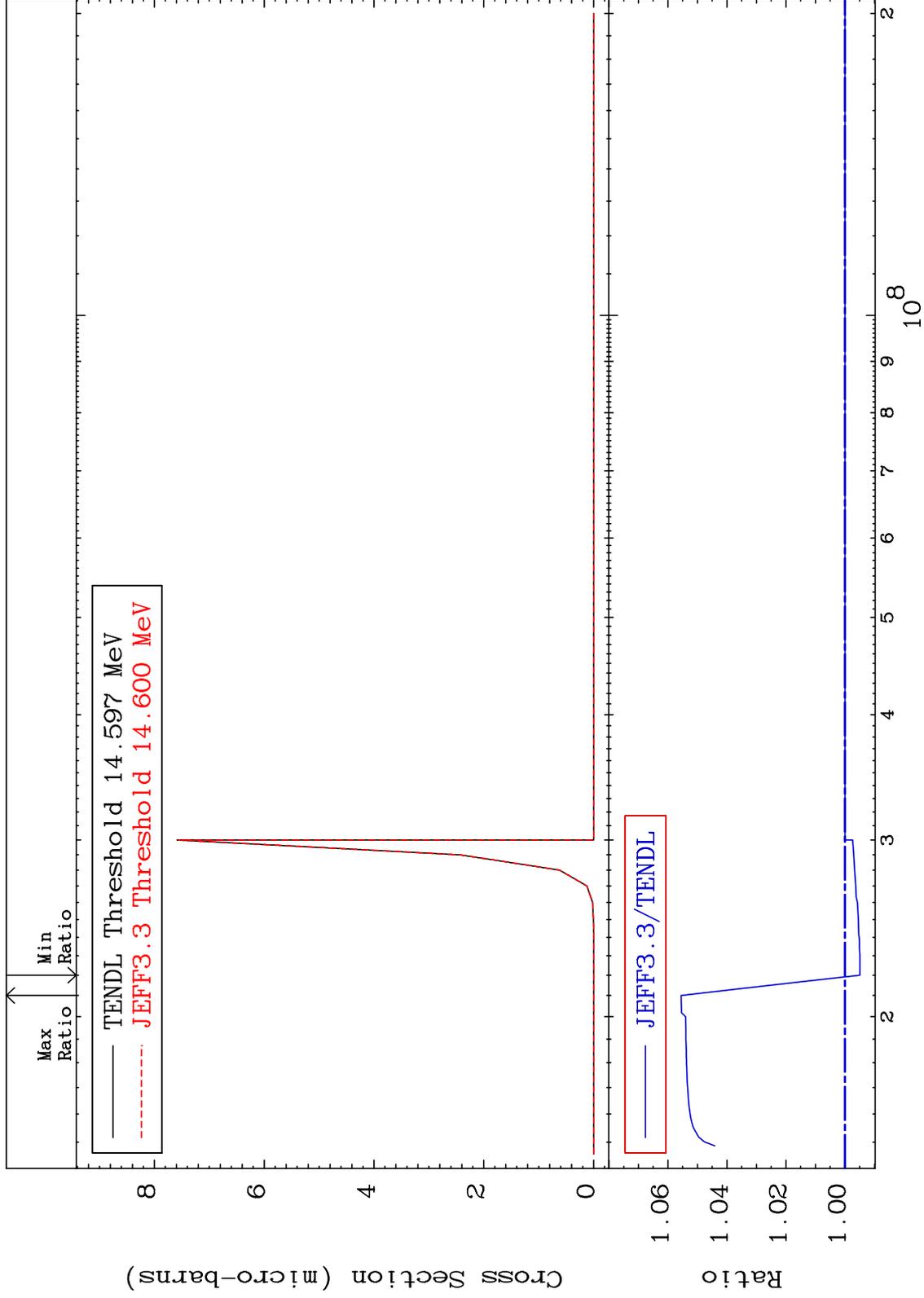
MAT 5061

(n, He-3)

50-Sn-124

Cross Section

-0.507 To 5.553 %



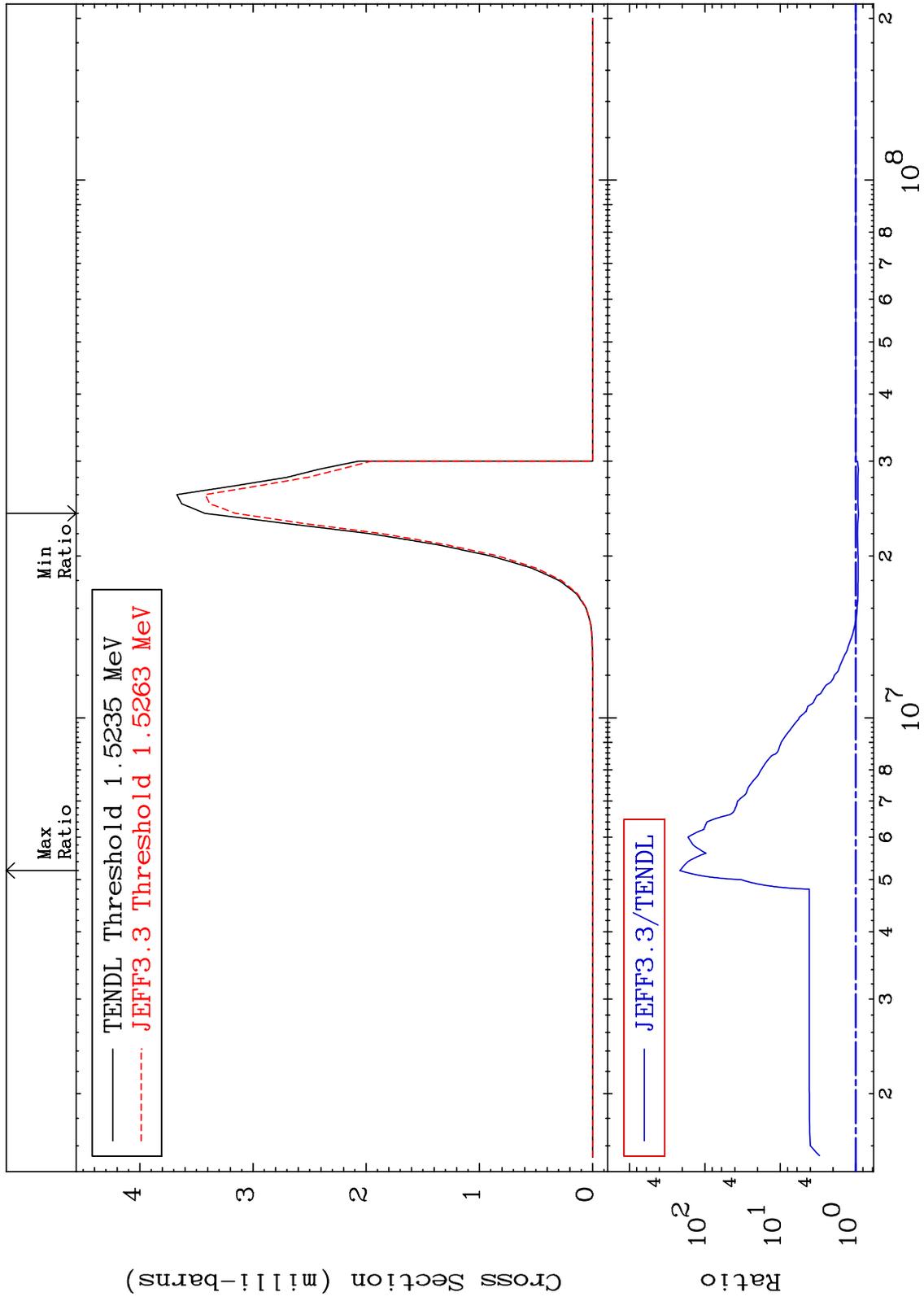
MAT 5061

(n, α)

50-Sn-124

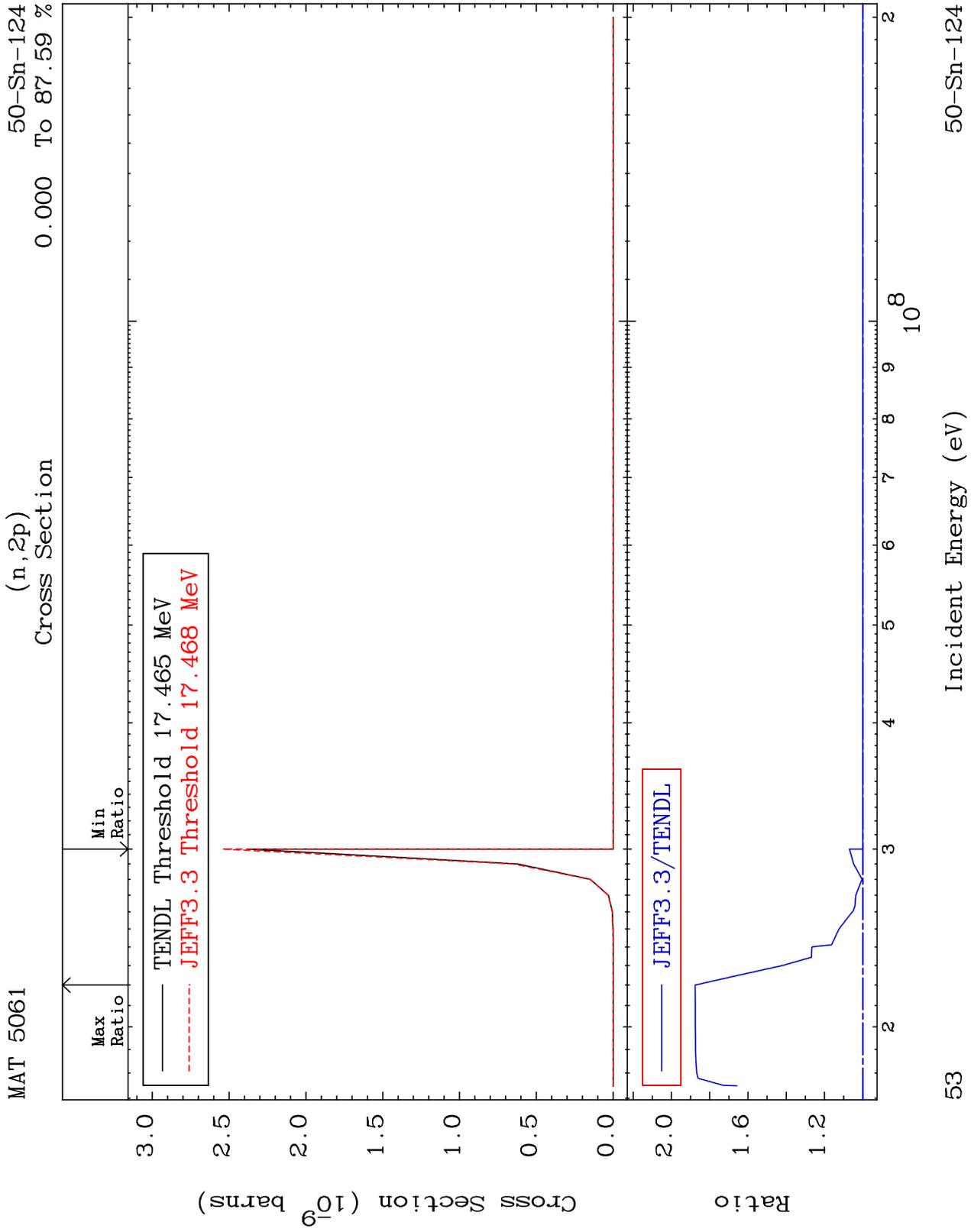
Cross Section

-7.921 To 9999. %



— TENDL Threshold 1.5235 MeV
- - - JEFF3.3 Threshold 1.5263 MeV

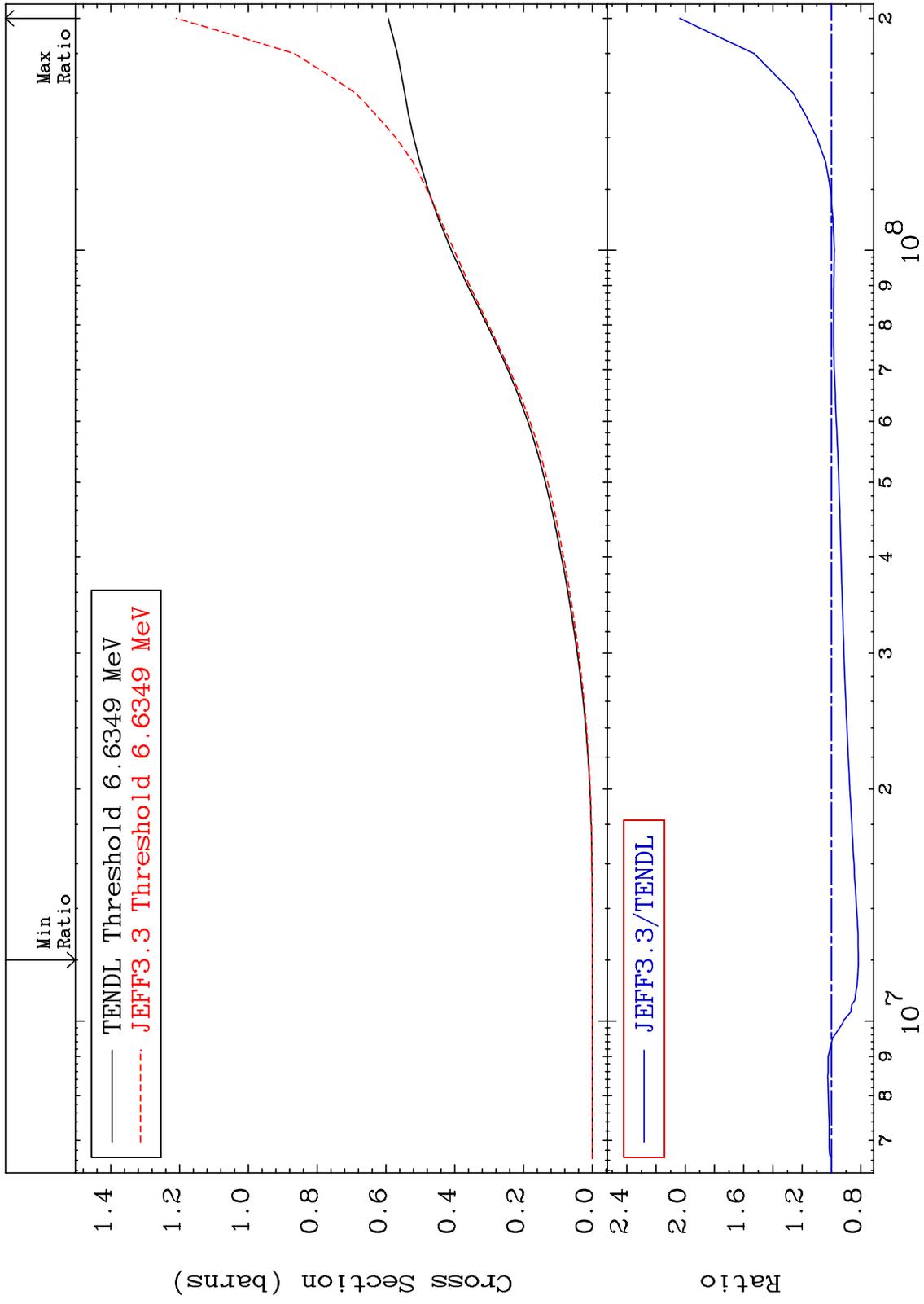
— JEFF3.3/TENDL



MAT 5061

Hydrogen Production
Cross Section

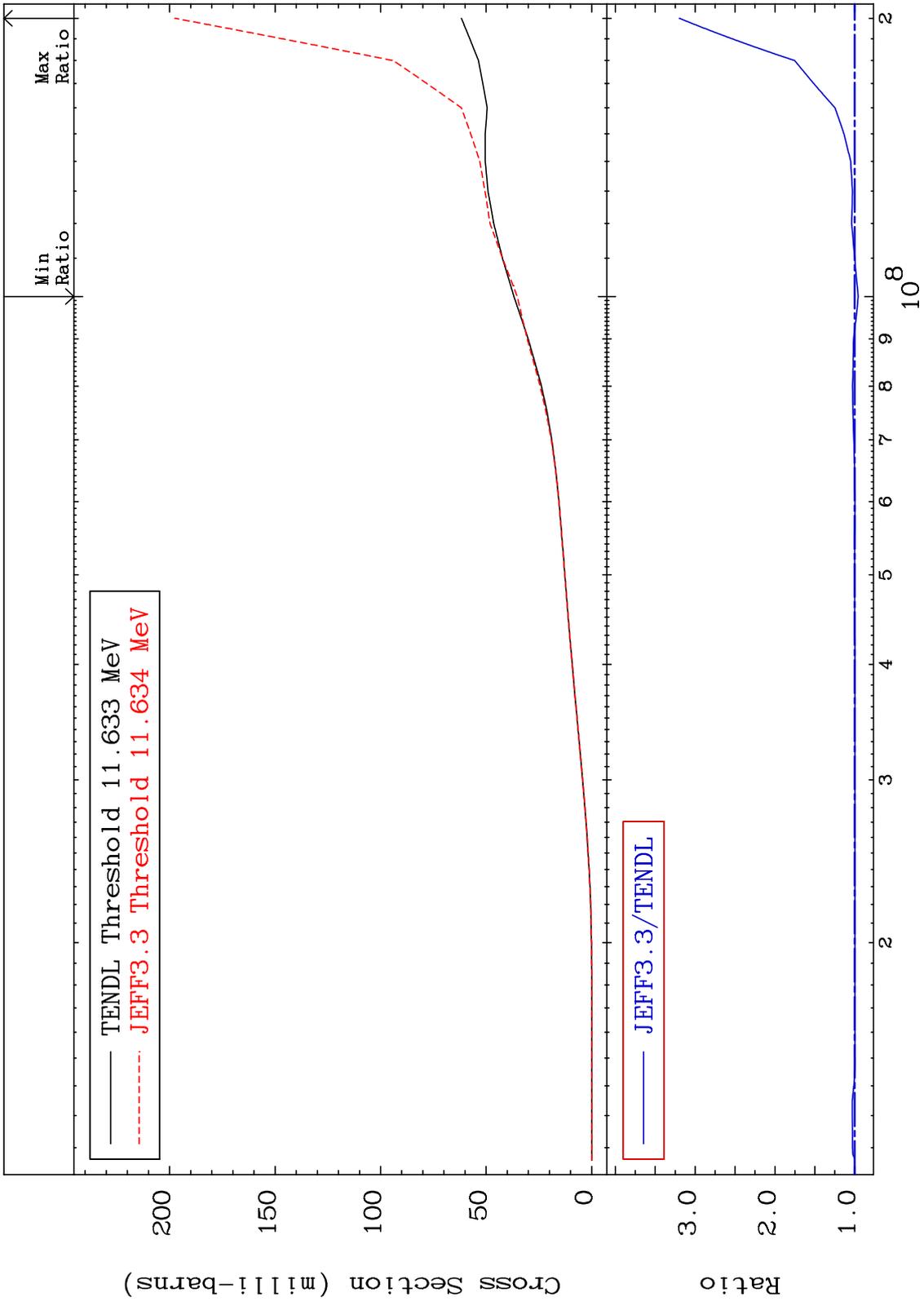
50-Sn-124
-18.43 To 103.8 %



MAT 5061

Tritium Production
Cross Section

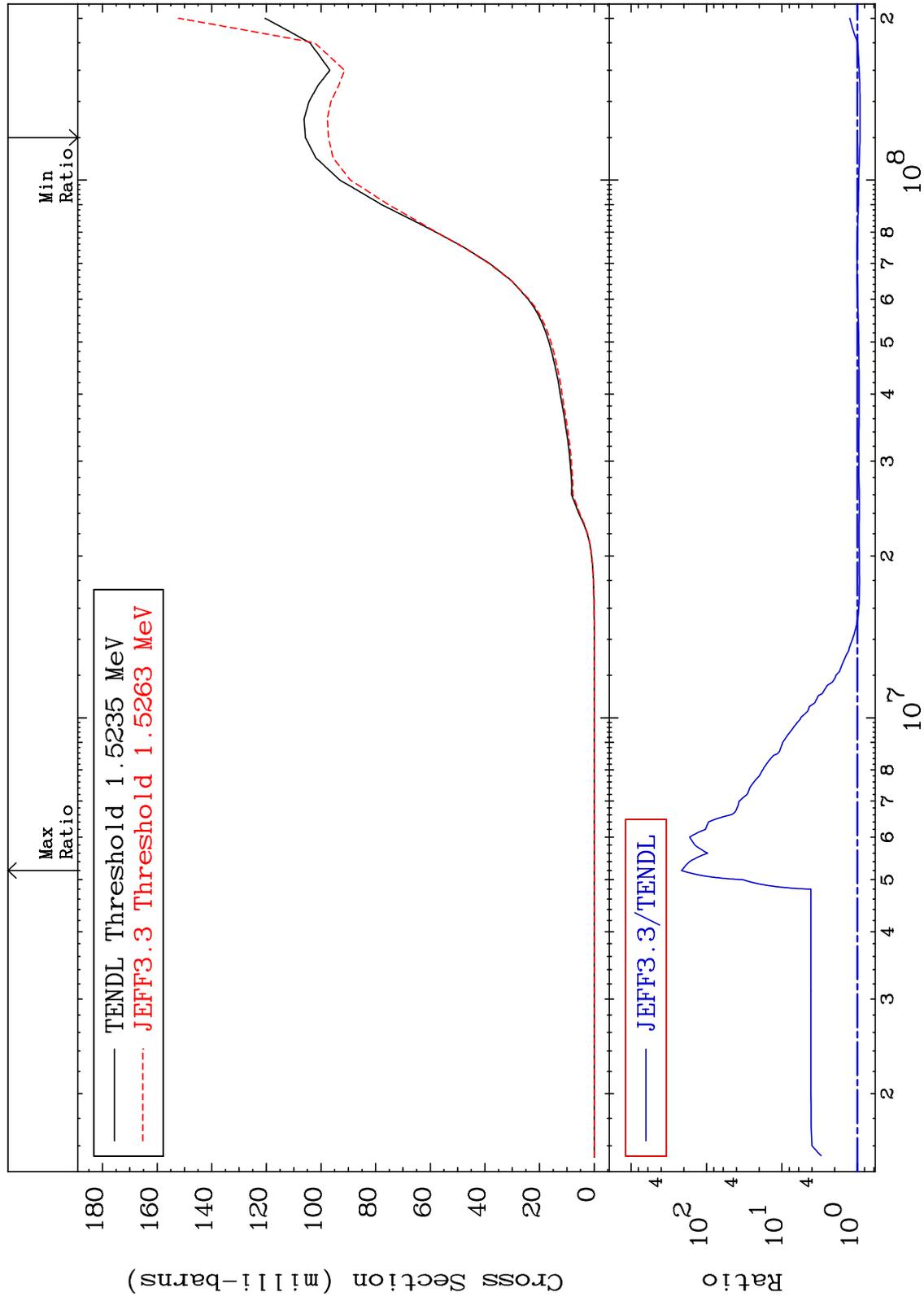
50-Sn-124
-4.328 To 219.9 %



MAT 5061

He-4 Production
Cross Section

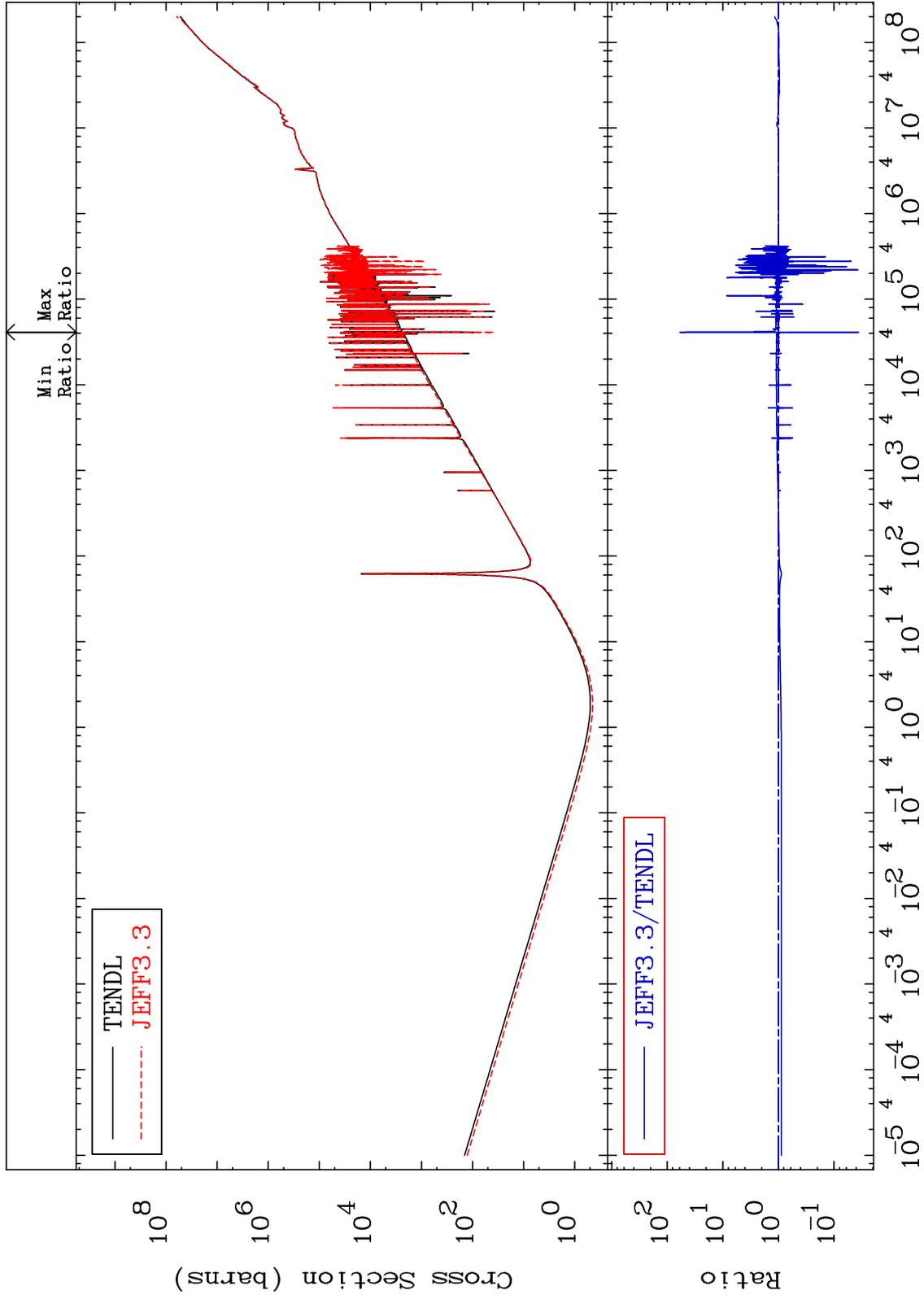
50-Sn-124
-8.024 To 9999. %



MAT 5061

Kerma total (eV-barns)
Cross Section

50-Sn-124
-96.36 To 5819. %



59

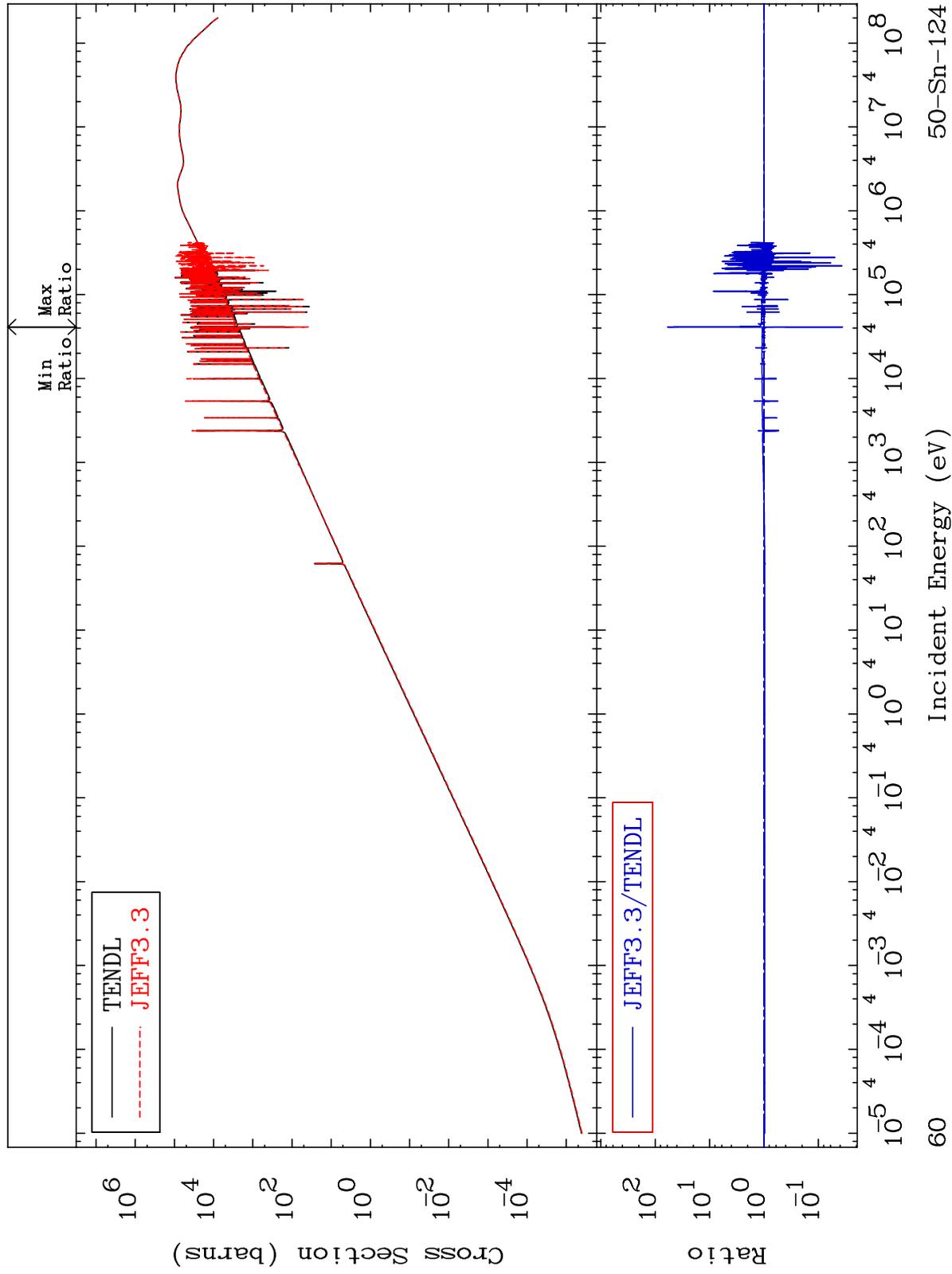
Incident Energy (eV)

50-Sn-124

MAT 5061

Kerma elastic
Cross Section

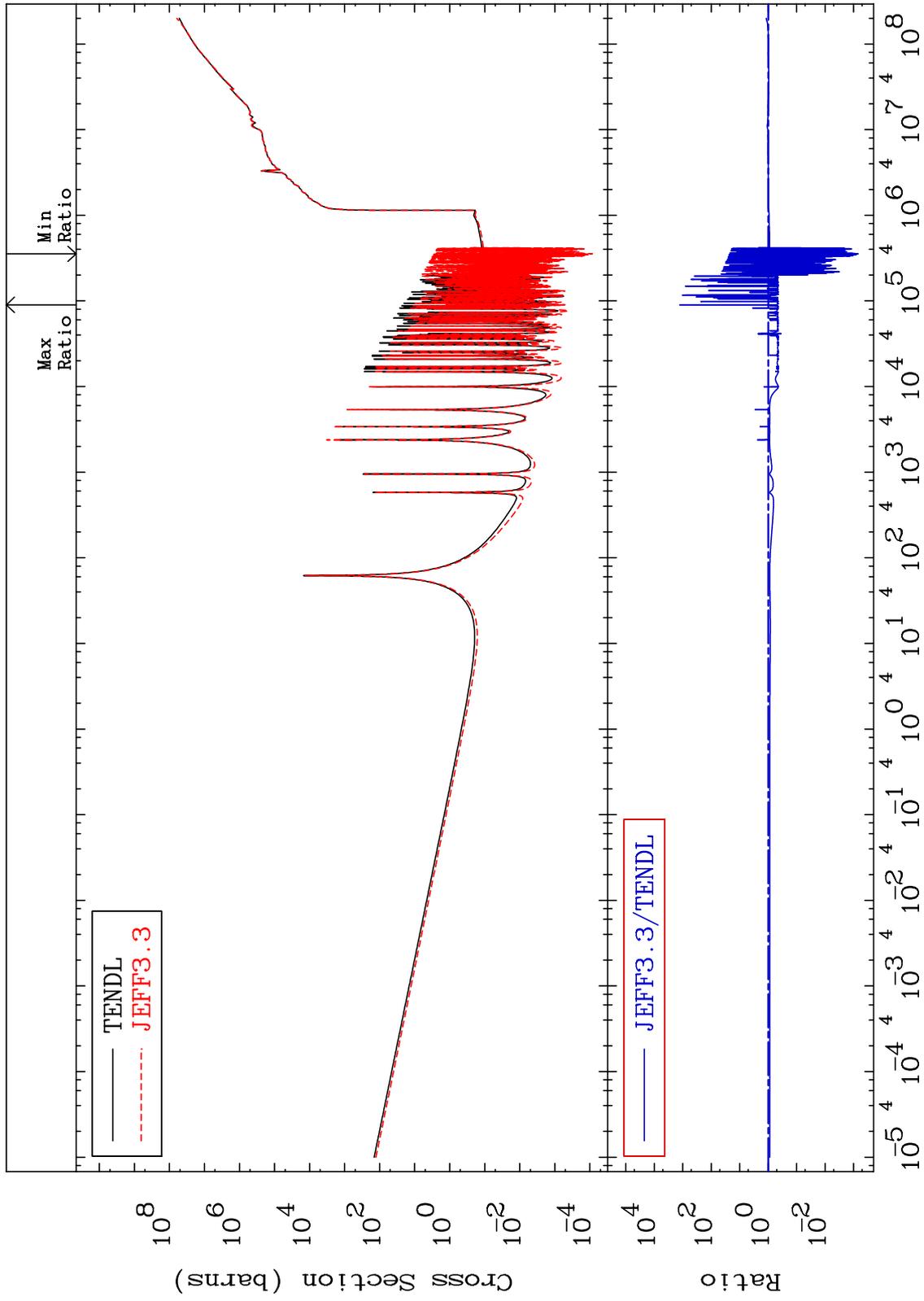
50-Sn-124
-96.37 To 5838. %



MAT 5061

Kerma non-elastic (all but mt2)
Cross Section

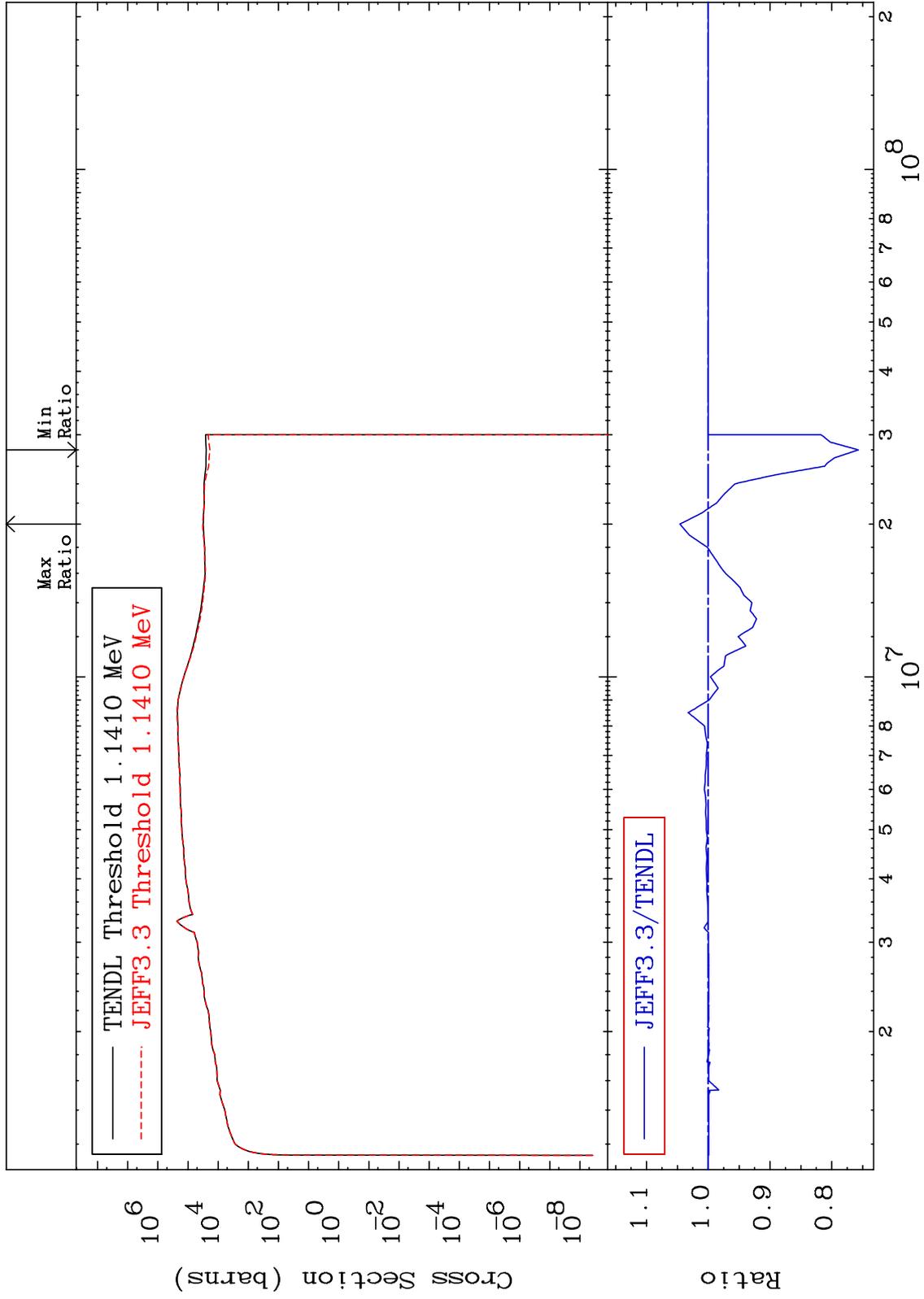
50-Sn-124
-99.93 To 9999. %



MAT 5061

Kerma inelastic (mt51-91)
Cross Section

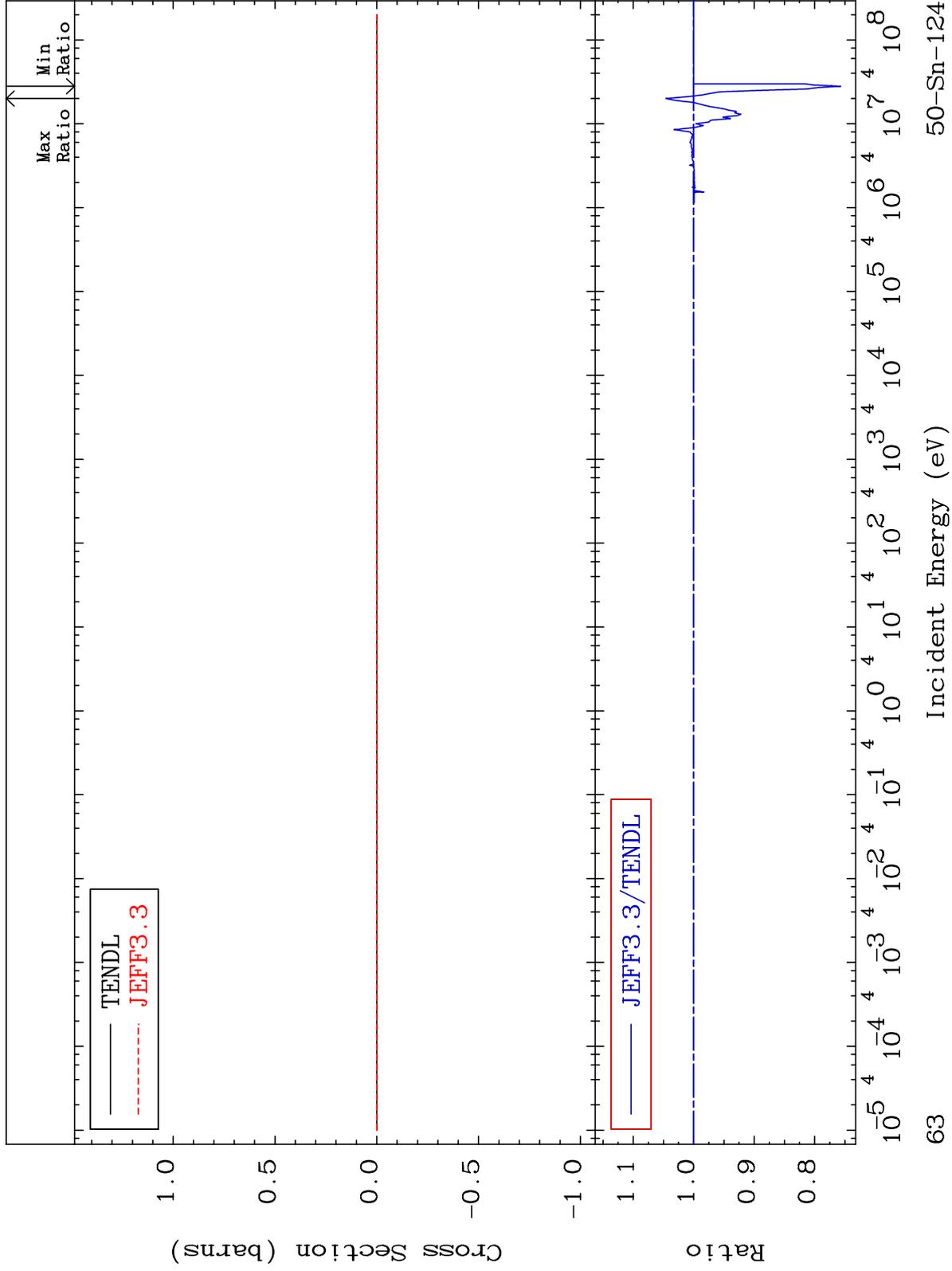
50-Sn-124
-24.32 To 4.589 %



MAT 5061

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

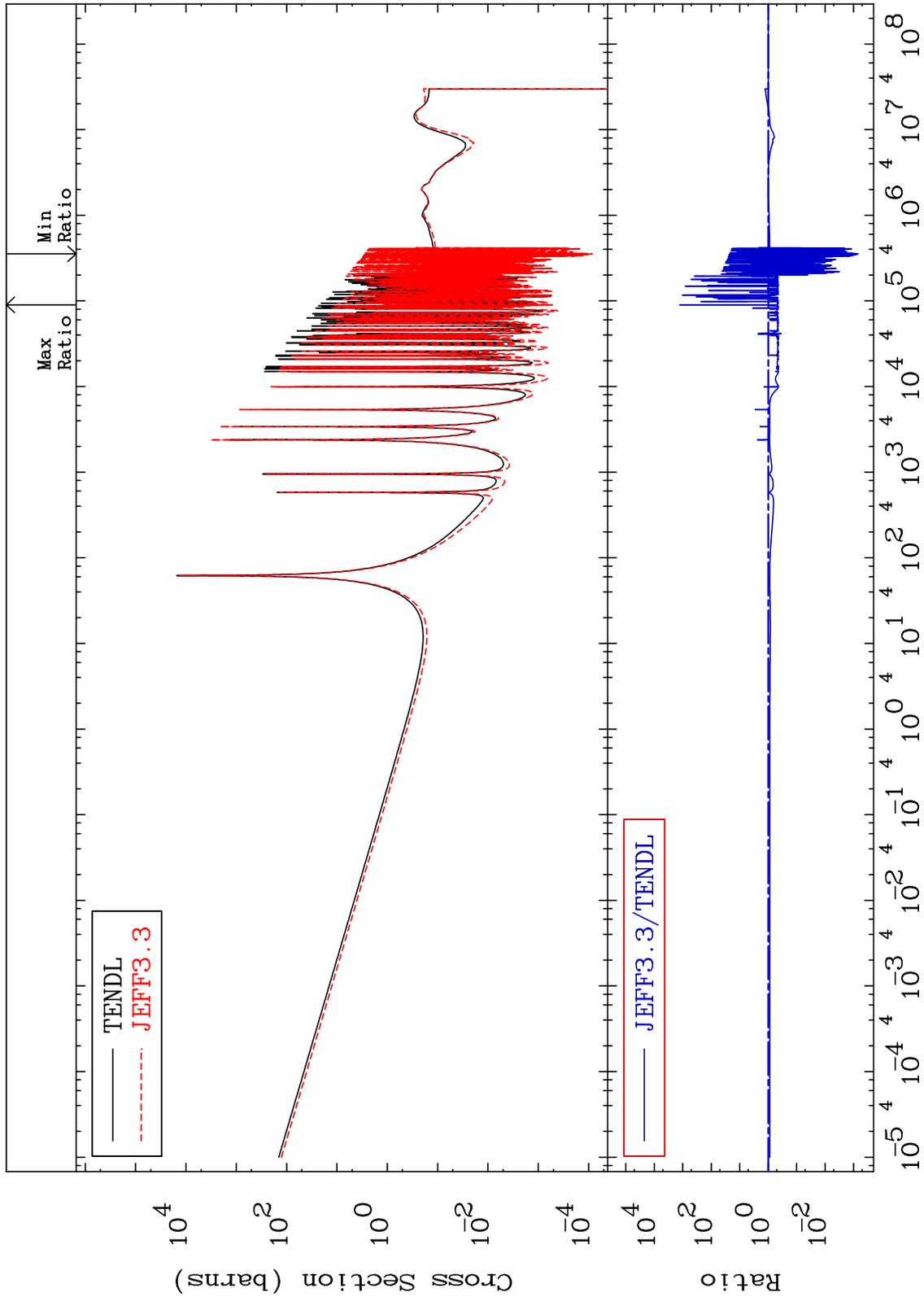
50-Sn-124
-24.32 To 4.589 %



MAT 5061

Kerma capture (mt102)
Cross Section

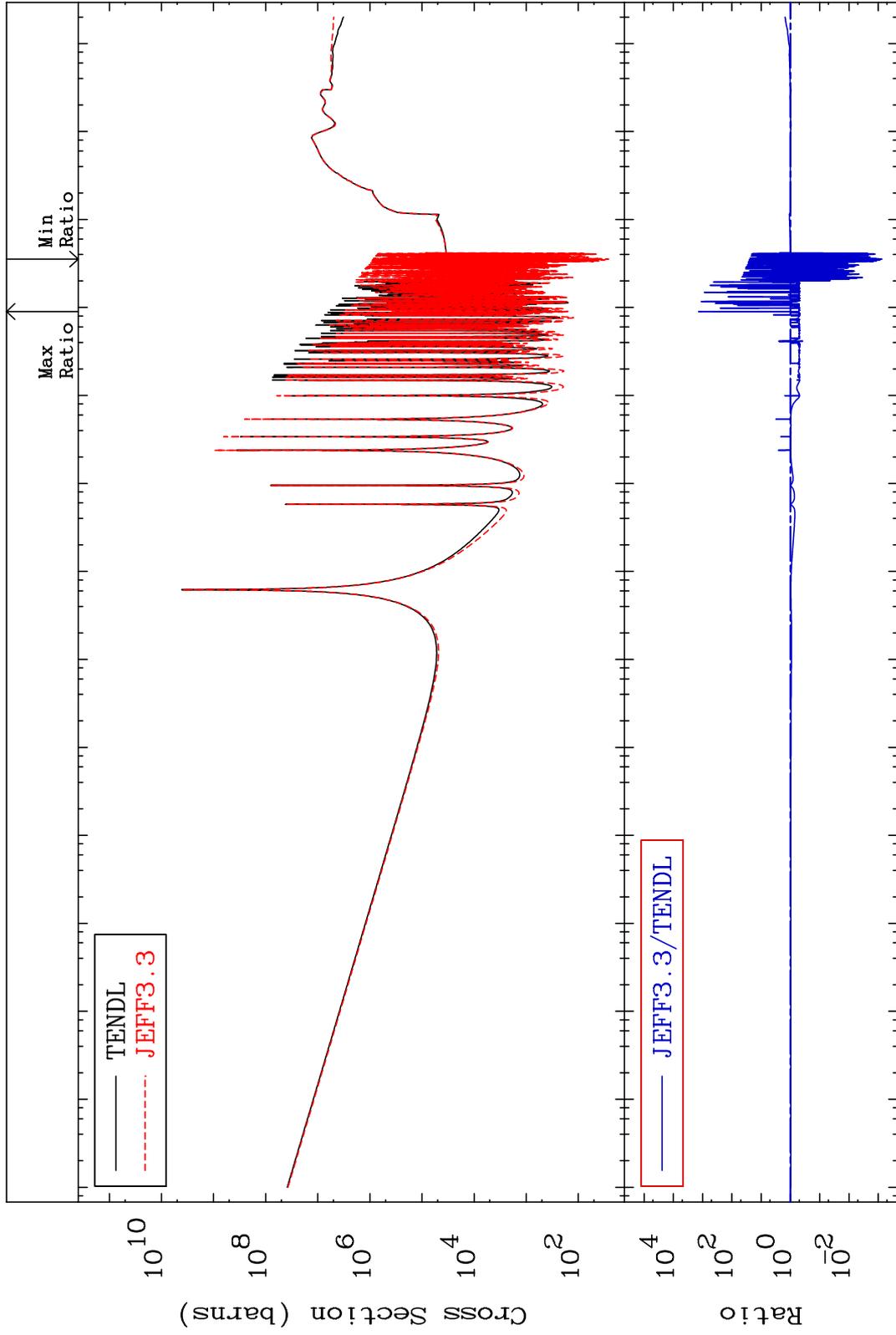
50-Sn-124
-99.93 To 9999. %



MAT 5061

Total photon (eV-barns)
Cross Section

50-Sn-124
-99.93 To 9999. %



65

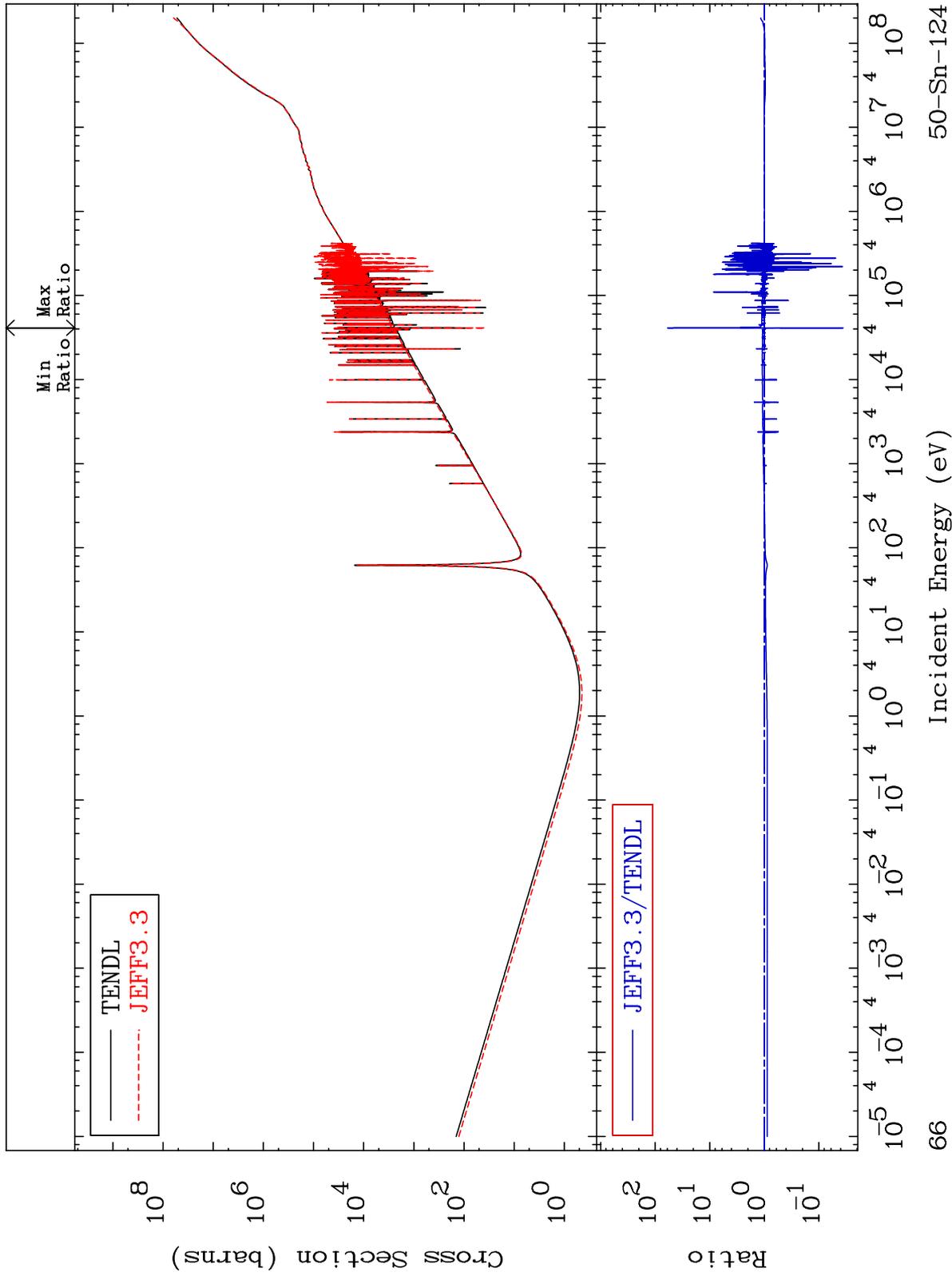
Incident Energy (eV)

50-Sn-124

MAT 5061

Total kinematic kerma (high limit)
Cross Section

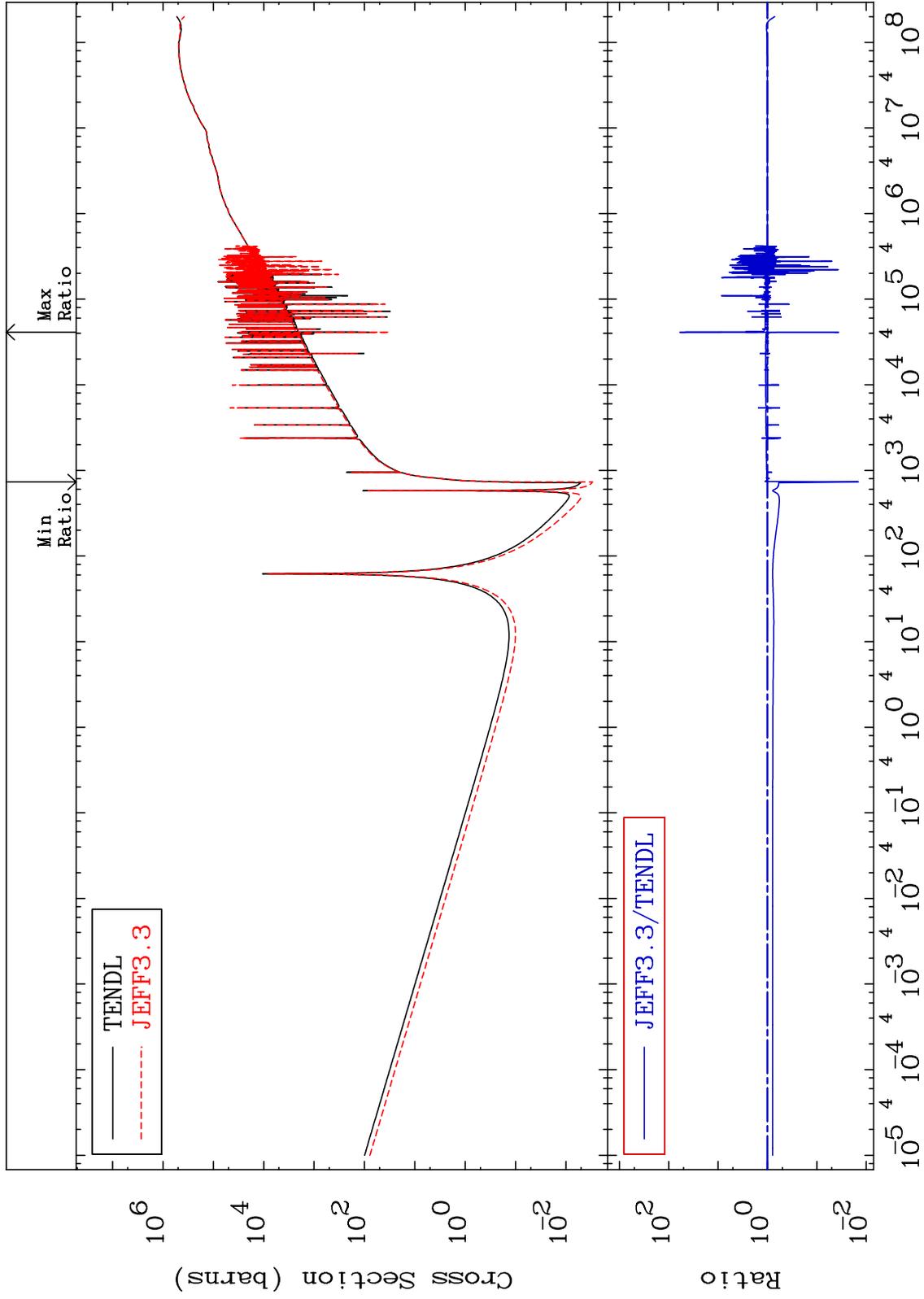
50-Sn-124
-96.36 To 5819. %



MAT 5061

Dpa total (eV-barns)
Cross Section

50-Sn-124
-98.56 To 5823. %



67

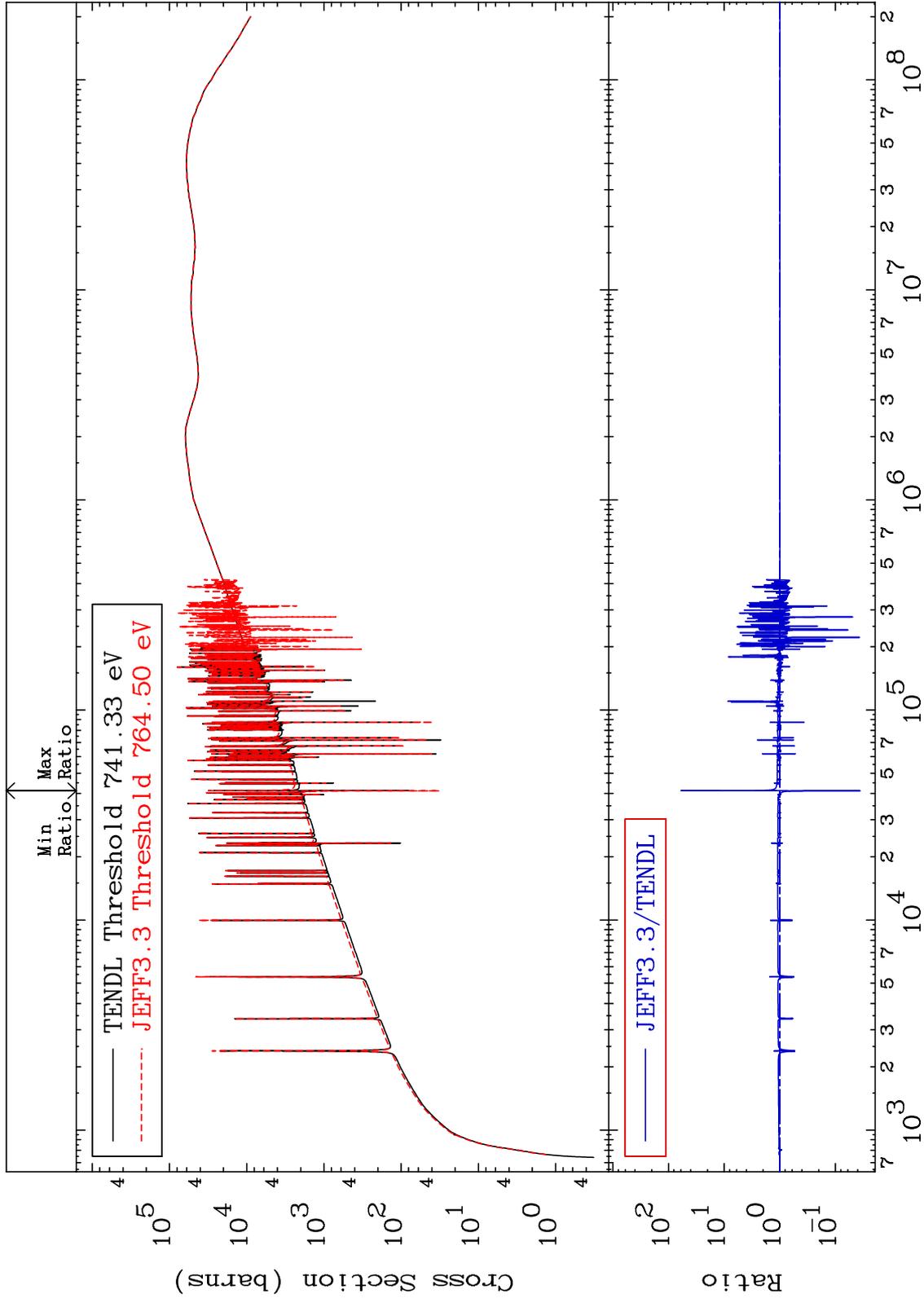
Incident Energy (eV)

50-Sn-124

MAT 5061

Dpa elastic (mt2)
Cross Section

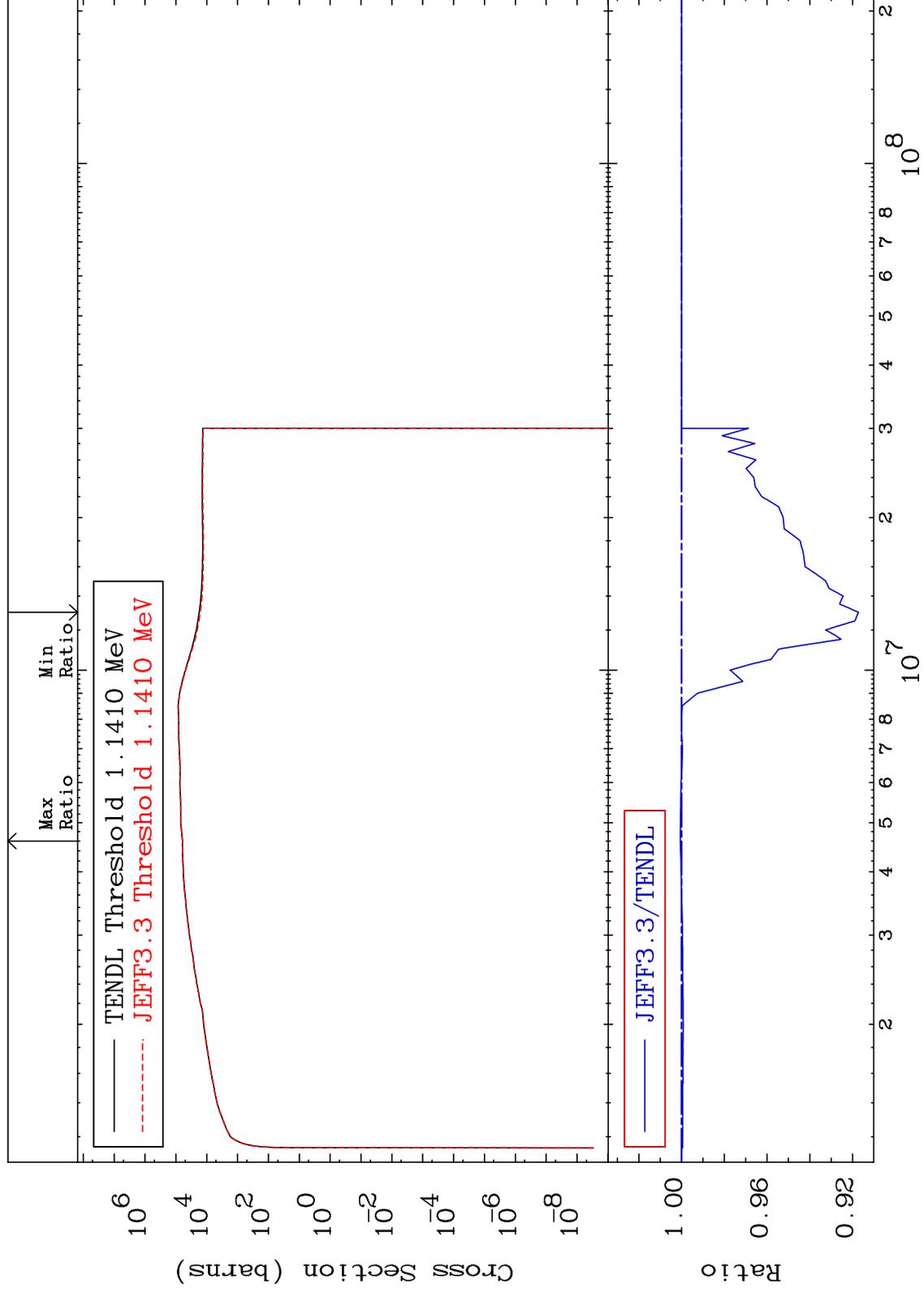
50-Sn-124
-96.37 To 5838. %



MAT 5061

Dpa inelastic (mt51-91)
Cross Section

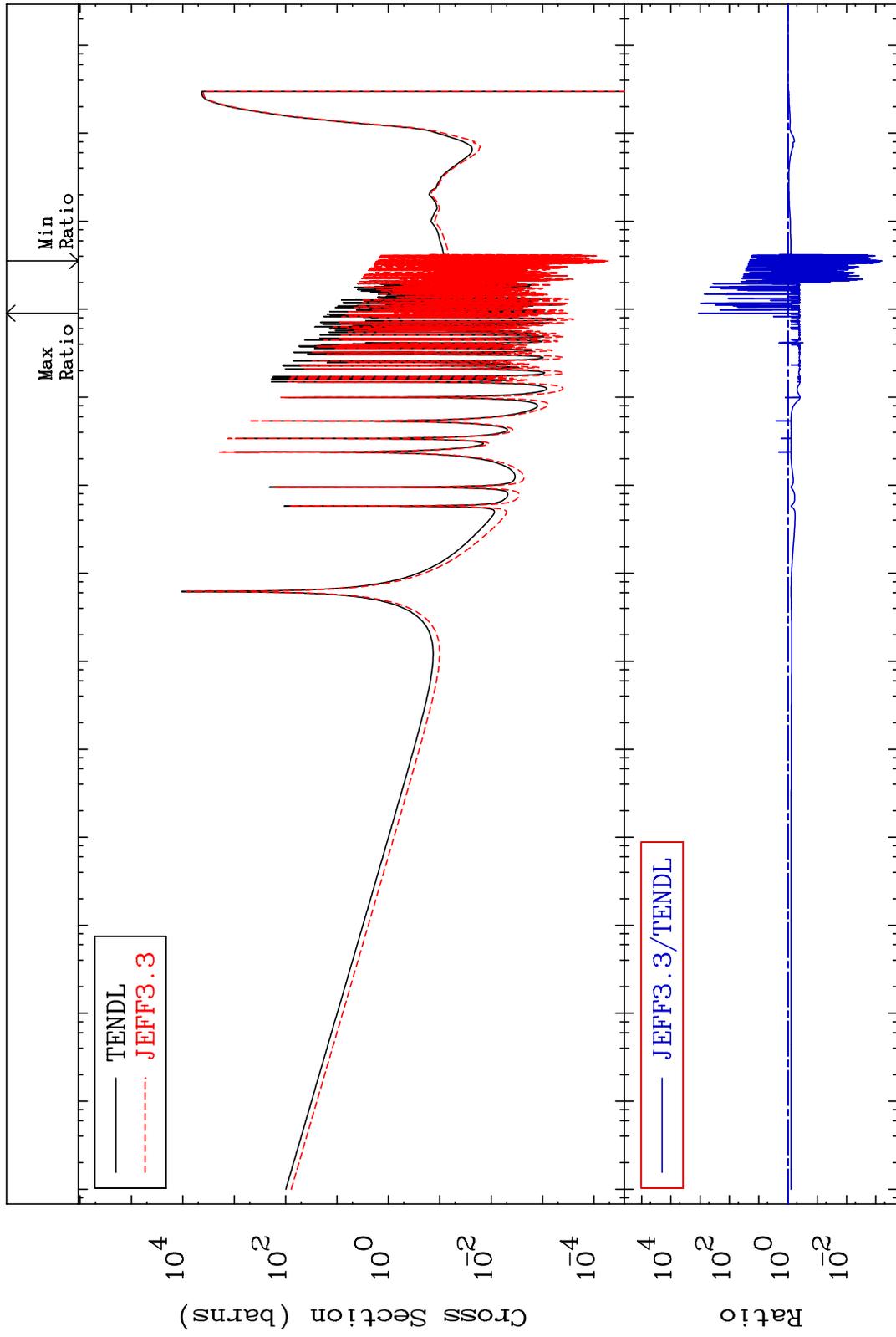
50-Sn-124
-8.279 To 0.056 %



MAT 5061

Dpa disappearance (mt102 -120)
Cross Section

50-Sn-124
-99.94 To 9999. %



70

Incident Energy (eV)

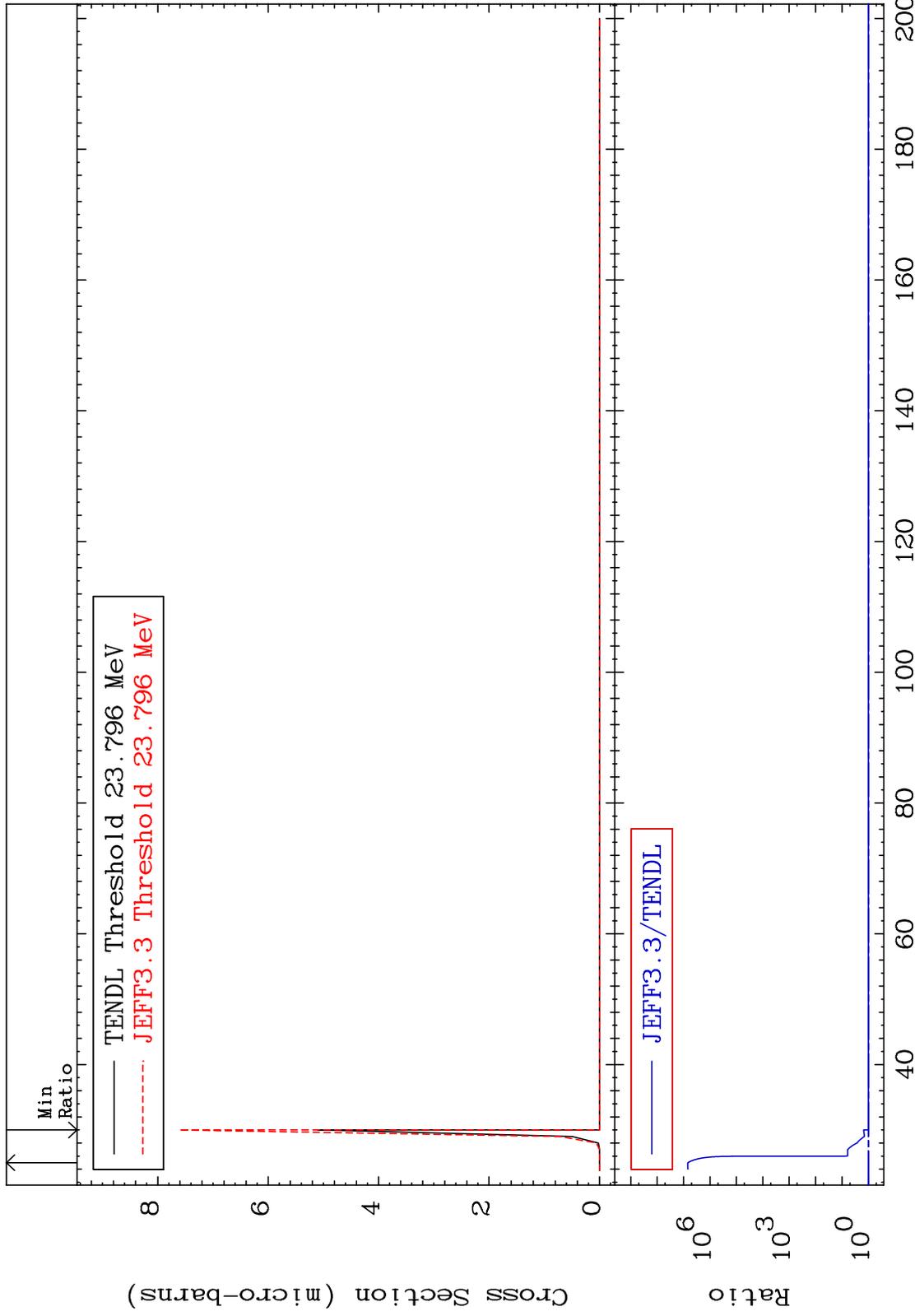
50-Sn-124

MAT 5061

(n,2n) d:49-In-121g

50-Sn-124

Radionuclide Production Cross Section 0.000 To 9999. %

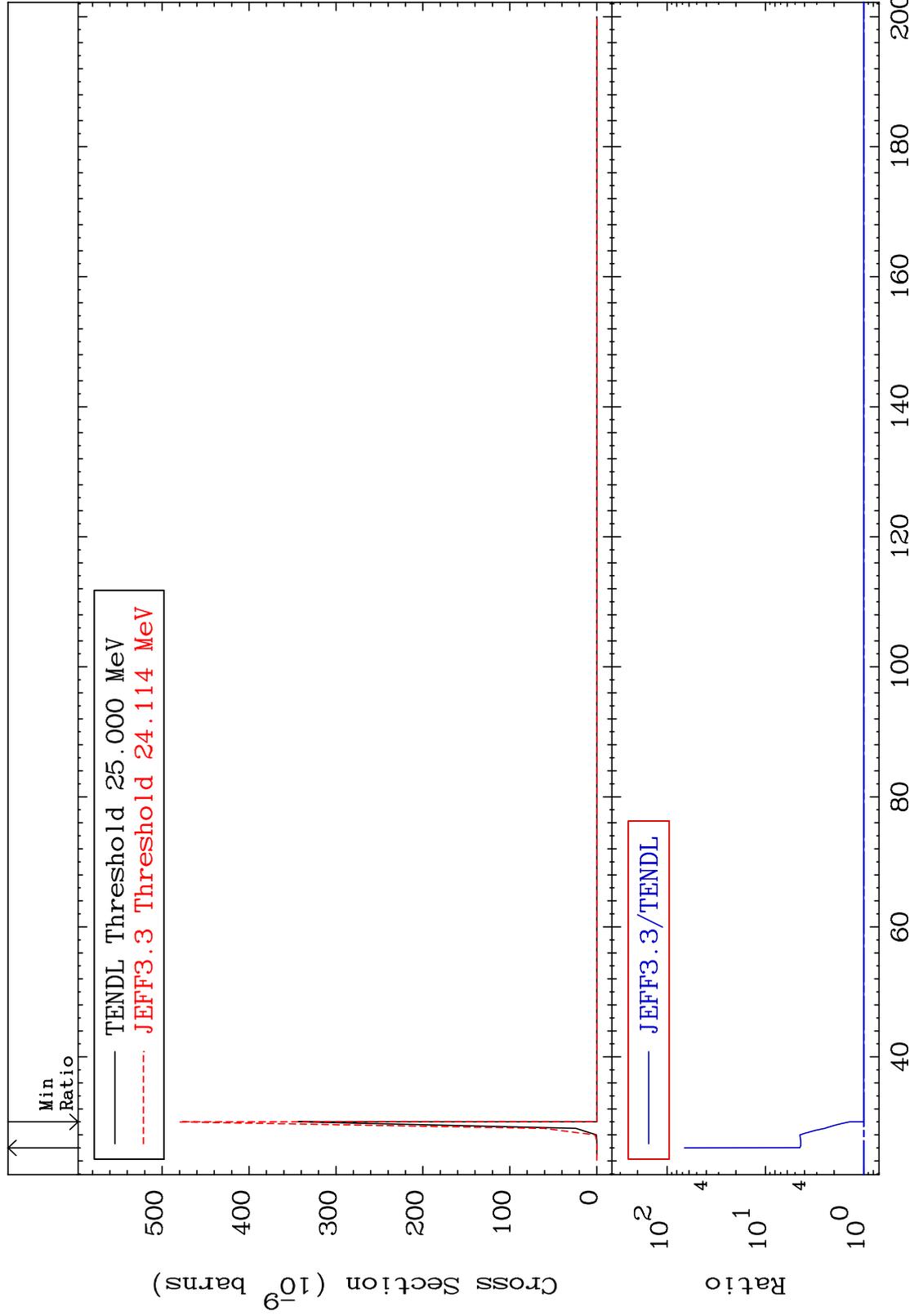


MAT 5061

(n,2n) d:49-In-121m1

50-Sn-124

Radionuclide Production Cross Section 0.000 To 6559. %

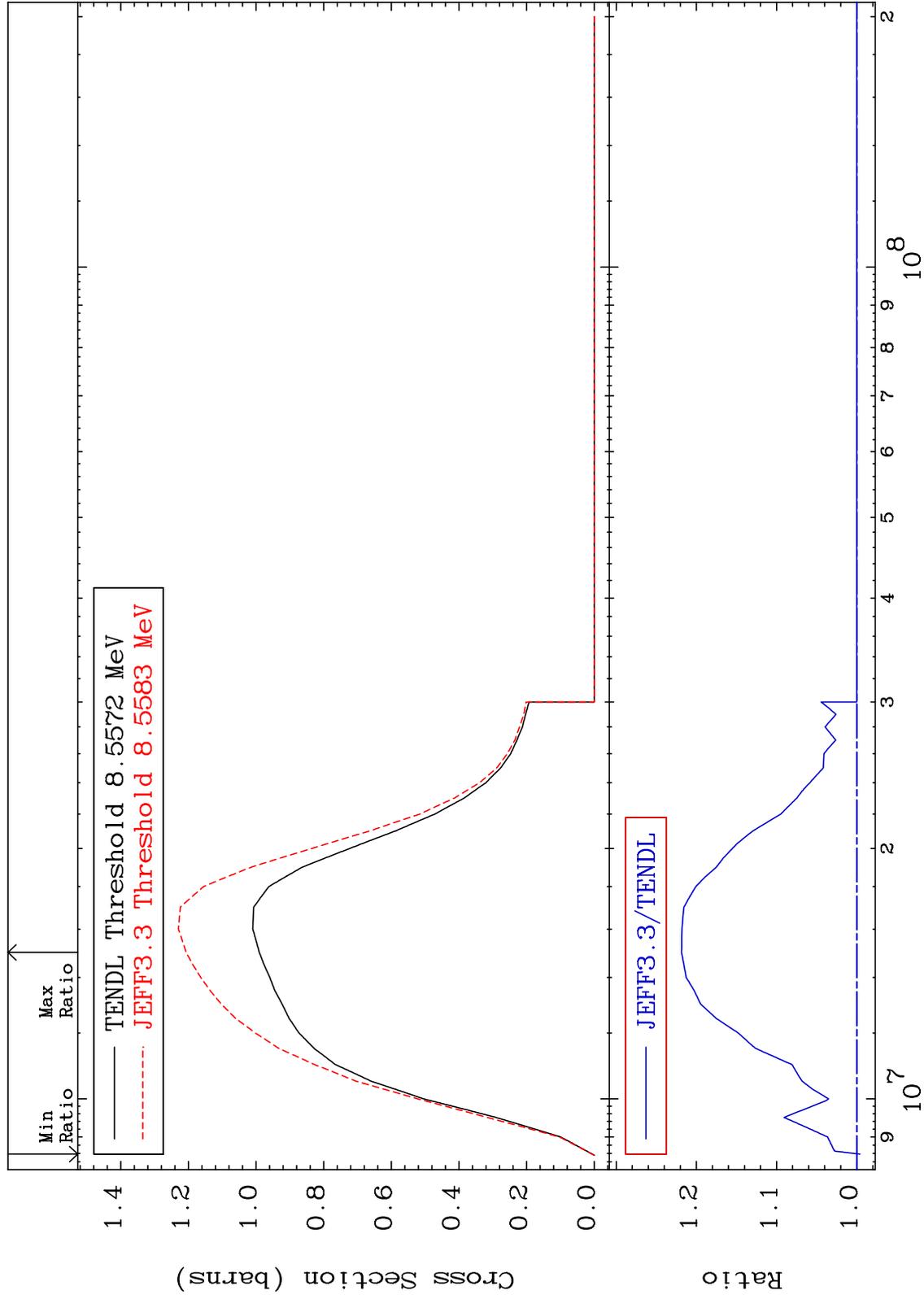


MAT 5061

(n,2n):50-Sn-123g

50-Sn-124

Radionuclide Production Cross Section -0.409 To 21.85 %



73

Incident Energy (eV)

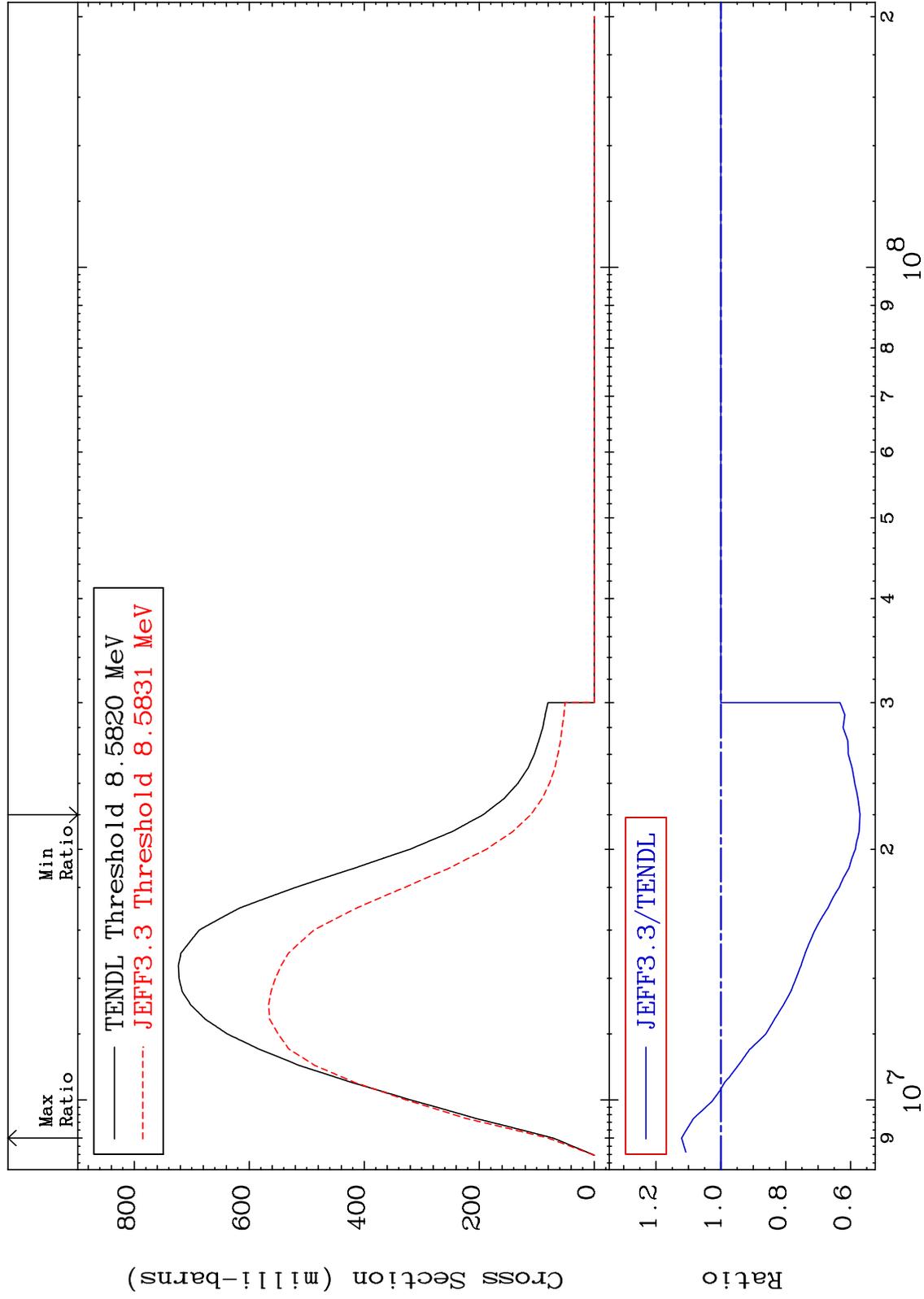
50-Sn-124

MAT 5061

(n,2n):50-Sn-123m1

50-Sn-124

Radionuclide Production Cross Section -42.93 To 12.12 %



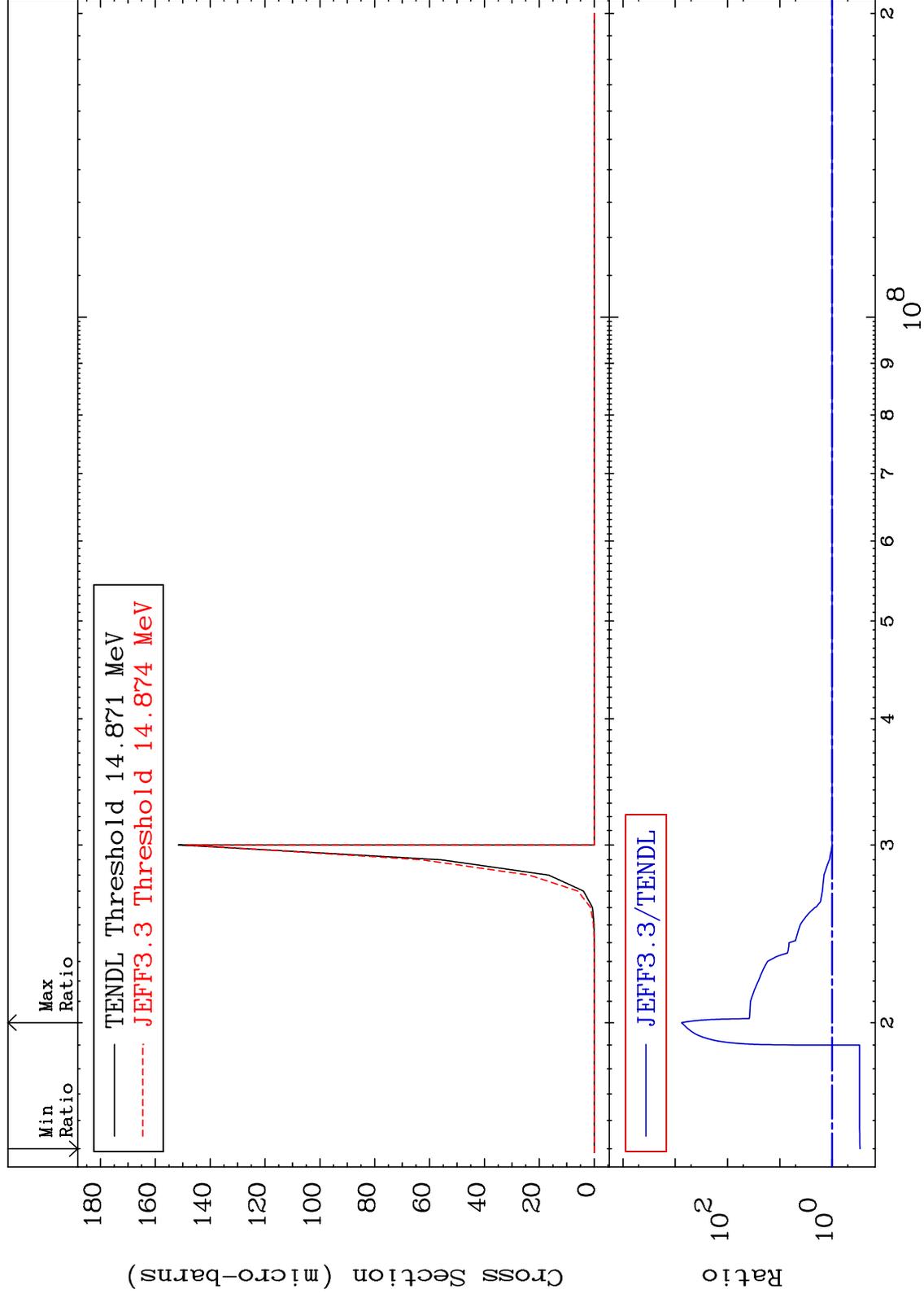
74

Incident Energy (eV)

50-Sn-124

MAT 5061

(n,2n) α :48-Cd-119g 50-Sn-124
Radionuclide Production Cross Section -70.77 To 9999. %



75

Incident Energy (eV)

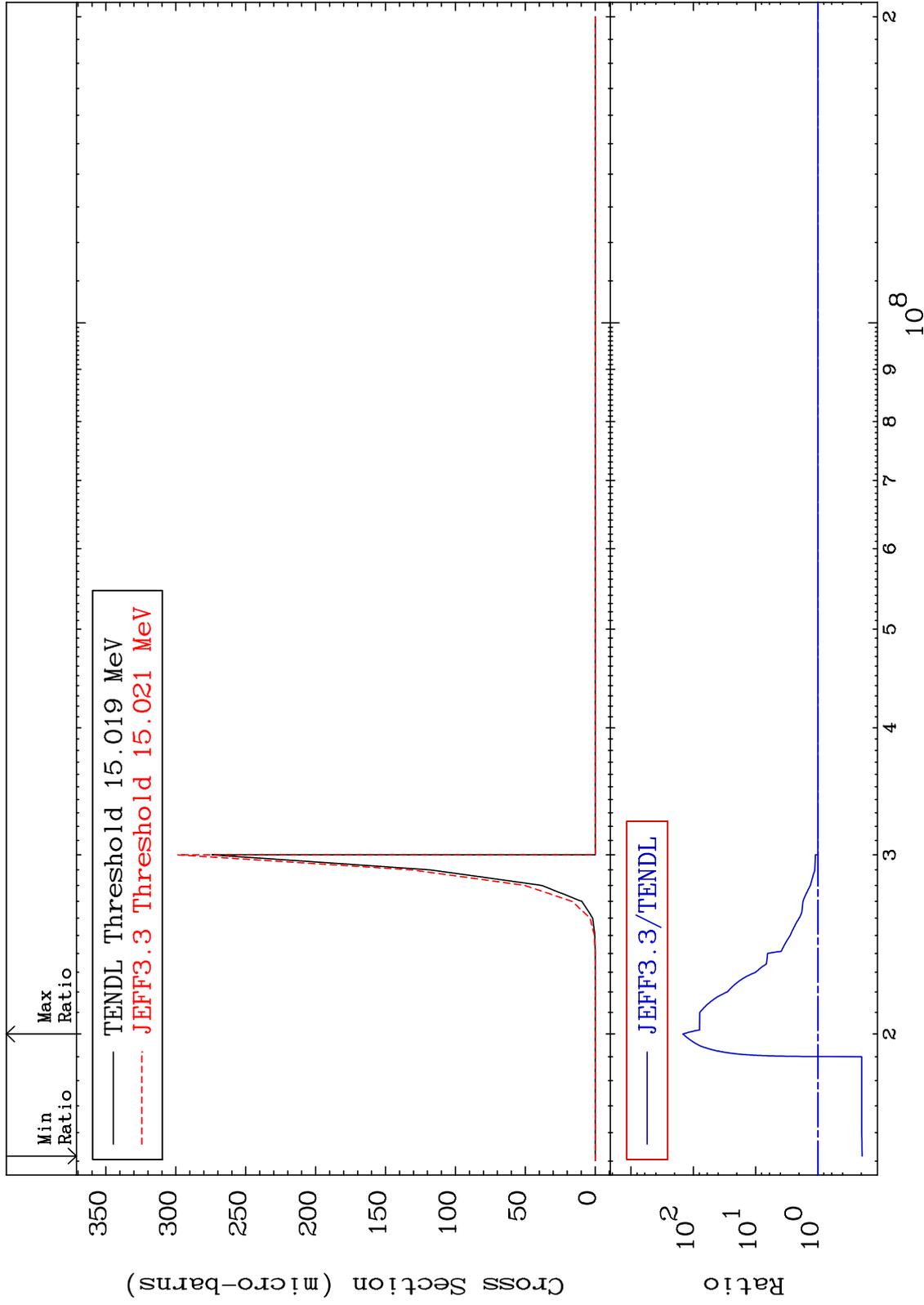
50-Sn-124

MAT 5061

(n,2n) α : 48-Cd-119m2

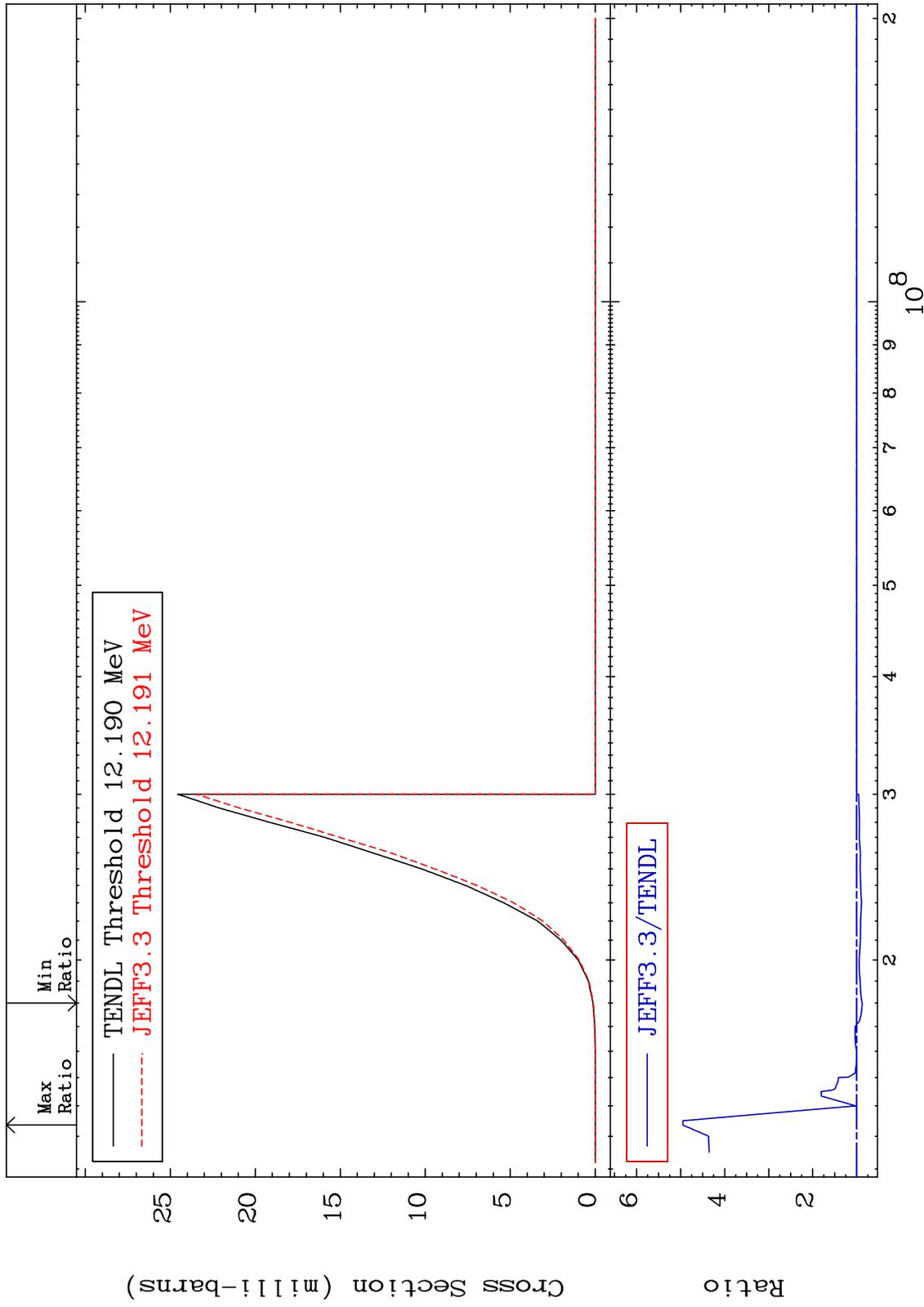
50-Sn-124

Radionuclide Production Cross Section -80.66 To 9999. %



MAT 5061

(n, n') p:49-In-123g 50-Sn-124
Radionuclide Production Cross Section -12.36 To 394.8 %



77

Incident Energy (eV)

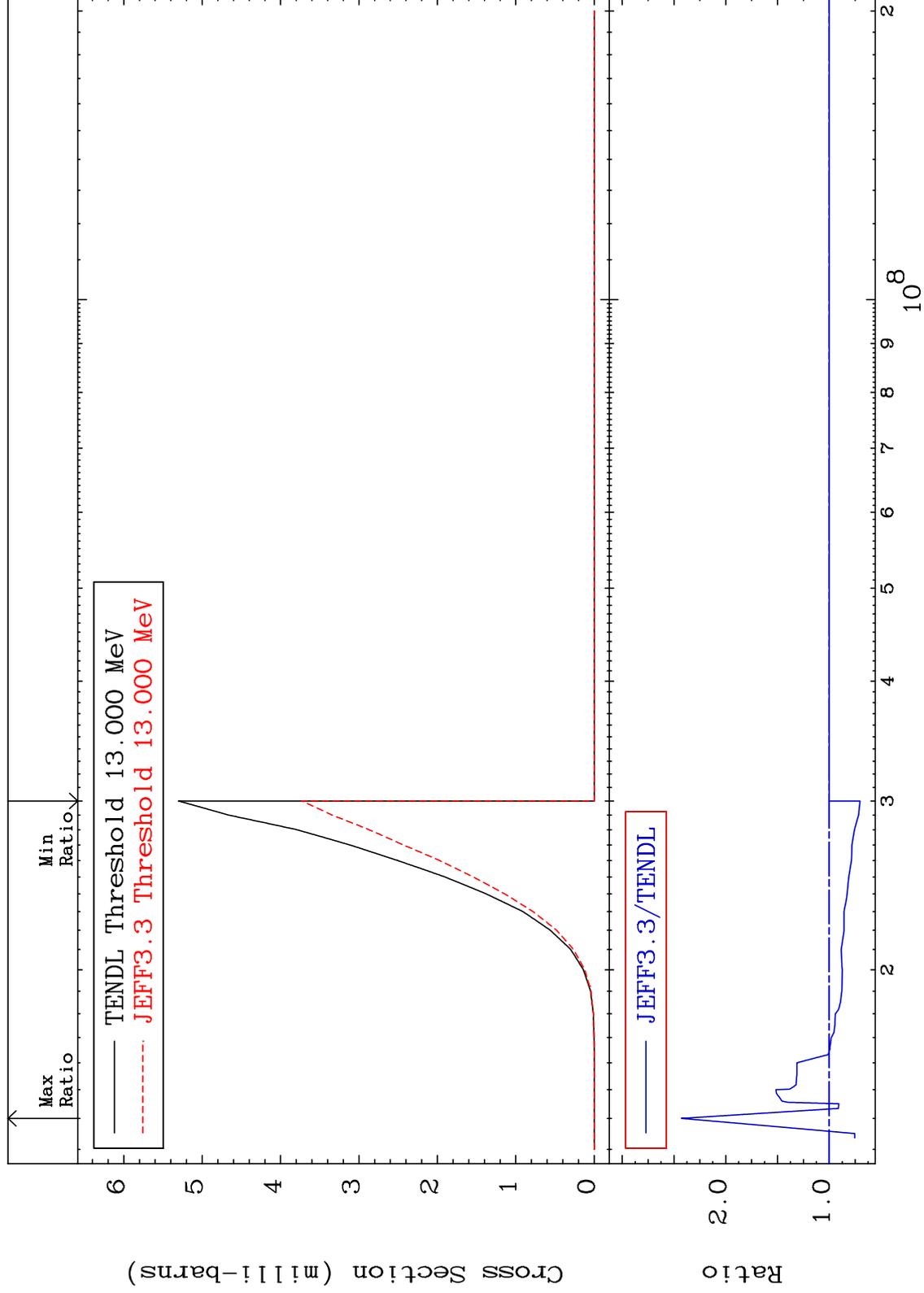
50-Sn-124

MAT 5061

(n, n') p: 49-In-123m1

50-Sn-124

Radionuclide Production Cross Section -29.70 To 142.7 %



78

Incident Energy (eV)

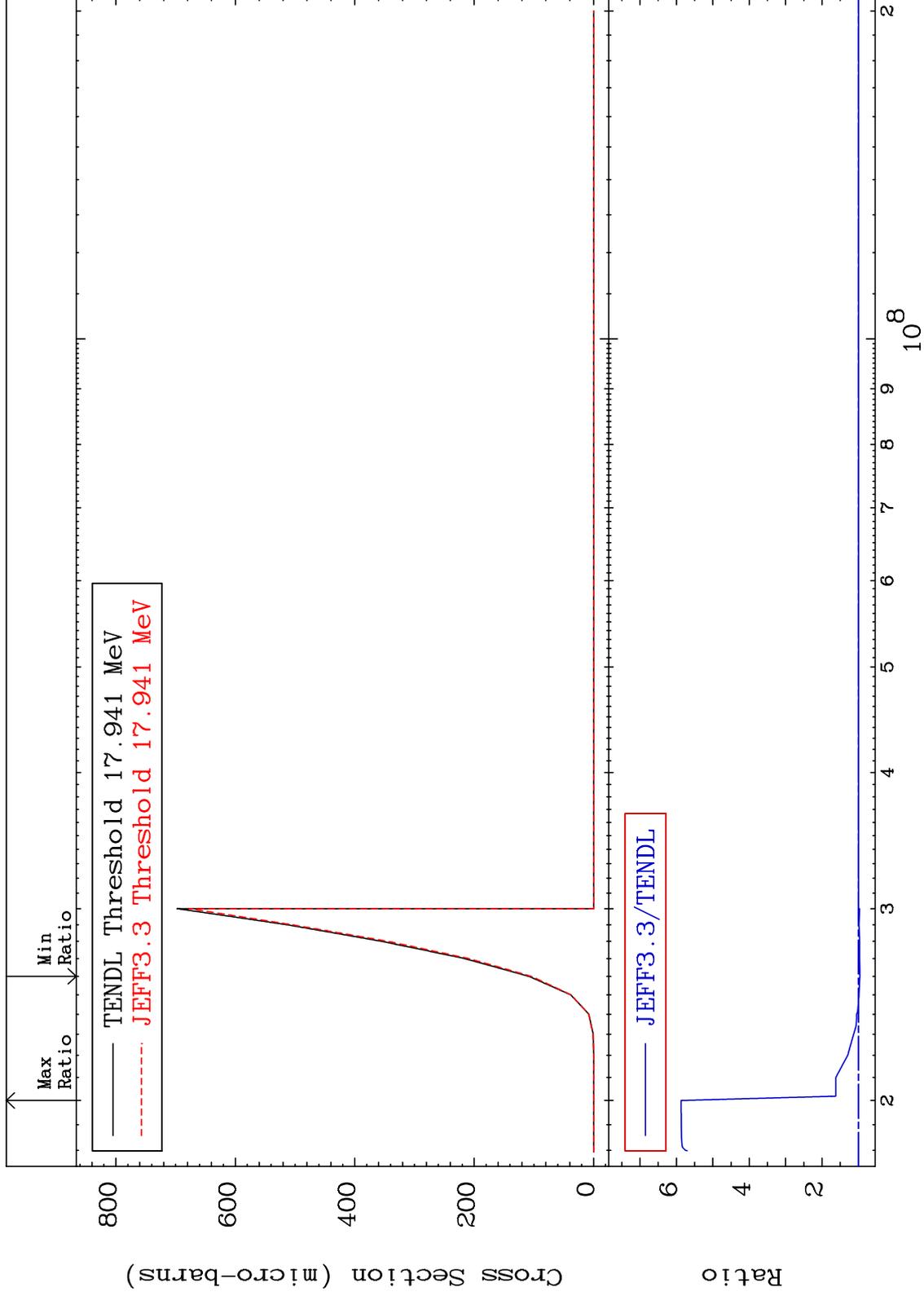
50-Sn-124

MAT 5061

(n, n') d:49-In-122g

50-Sn-124

Radionuclide Production Cross Section -3.937 To 487.0 %



79

Incident Energy (eV)

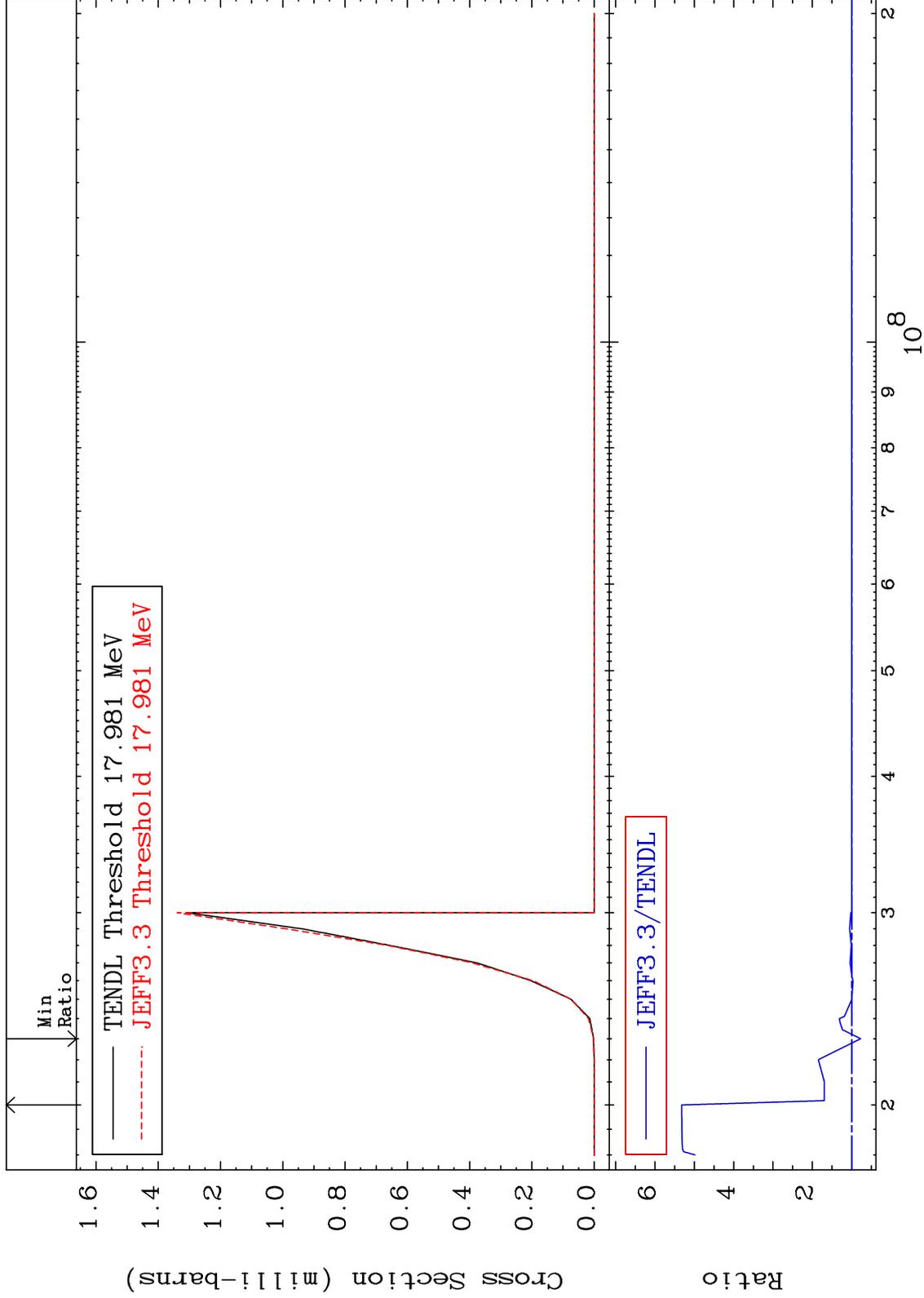
50-Sn-124

MAT 5061

(n, n') d:49-In-122m1

50-Sn-124

Radionuclide Production Cross Section -22.70 To 431.8 %



80

Incident Energy (eV)

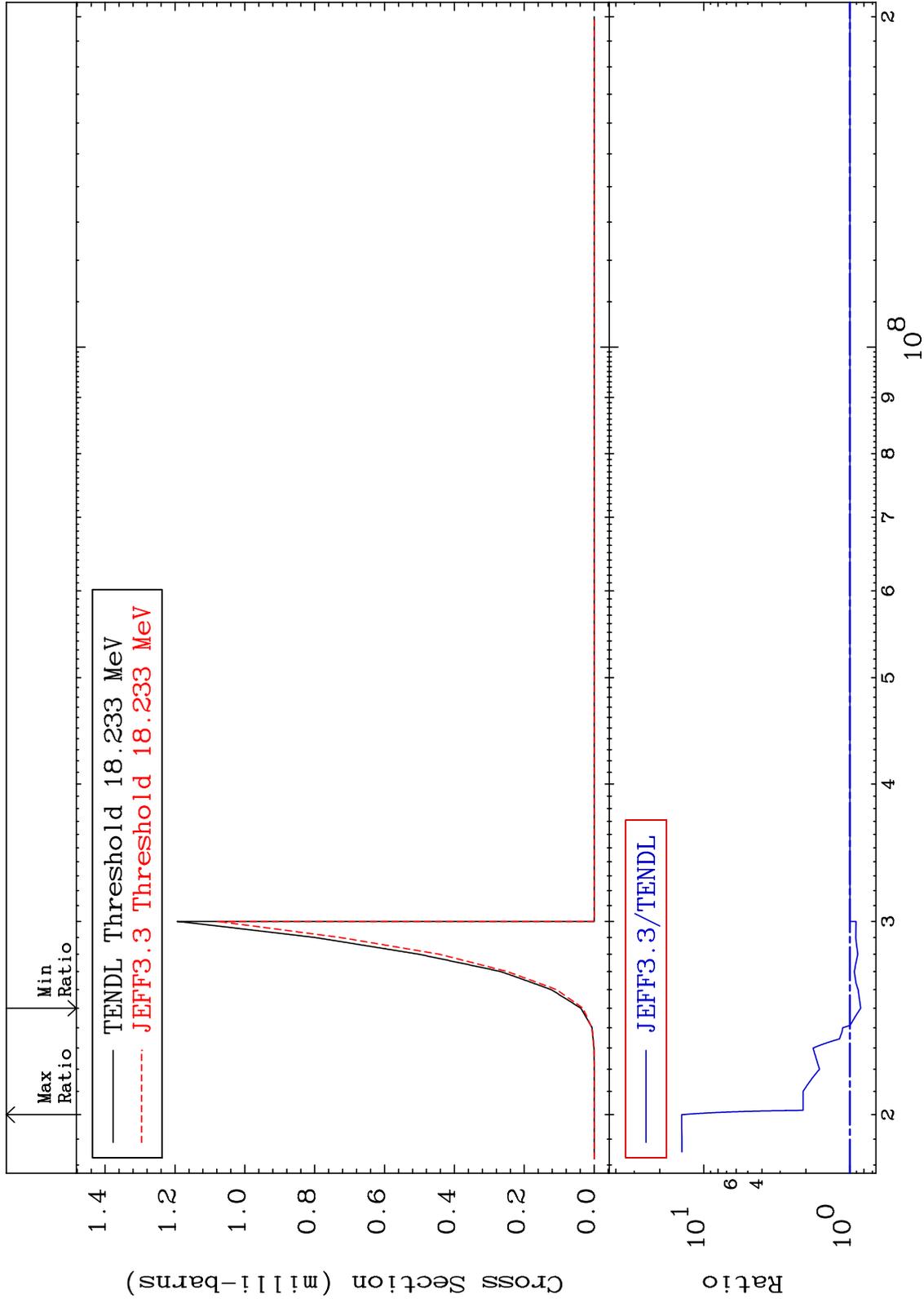
50-Sn-124

MAT 5061

(n, n') d:49-In-122m5

50-Sn-124

Radionuclide Production Cross Section -15.76 To 1316. %

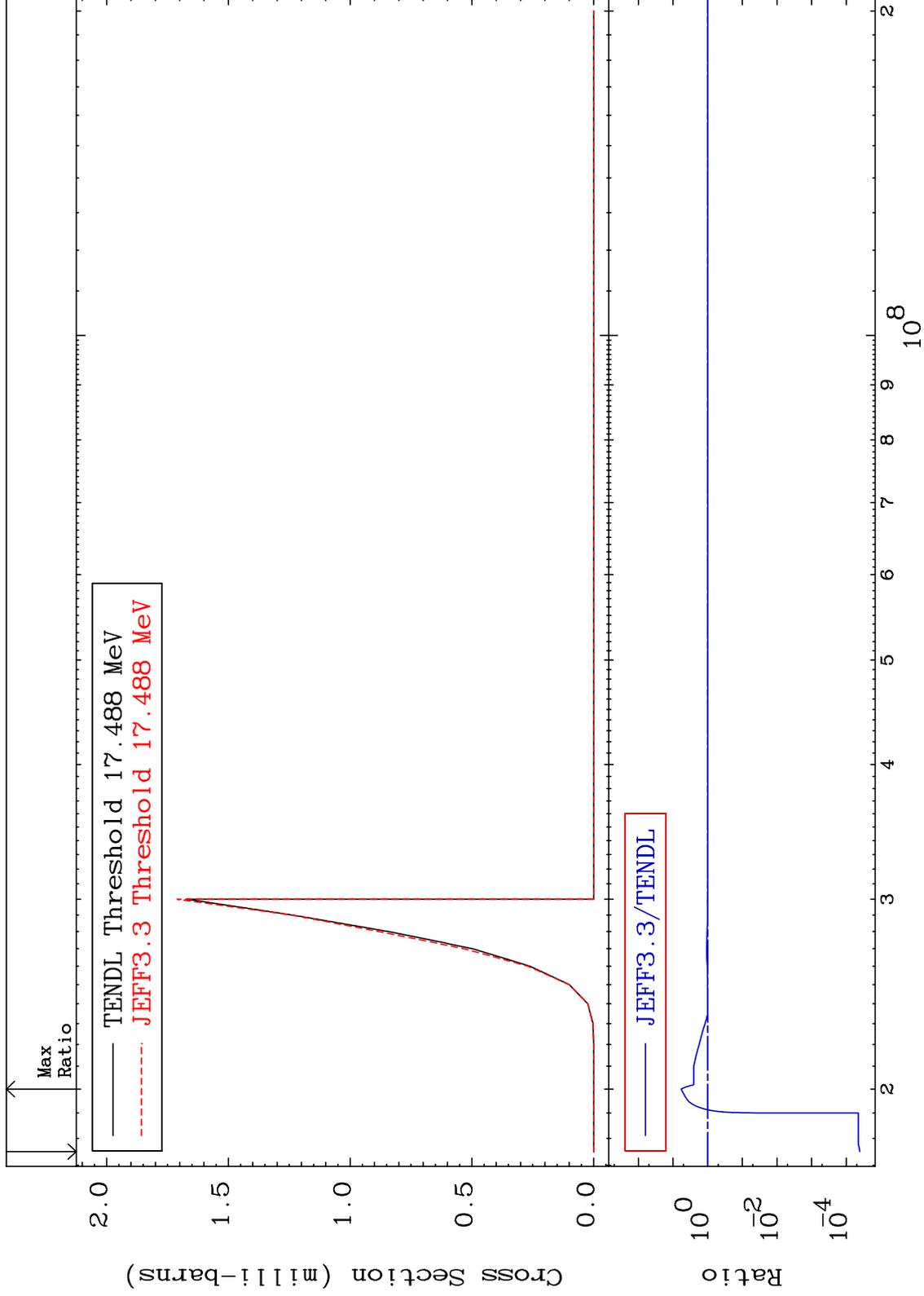


MAT 5061

(n, n') t:49-In-121g

50-Sn-124

Radionuclide Production Cross Section -100.0 To 484.3 %

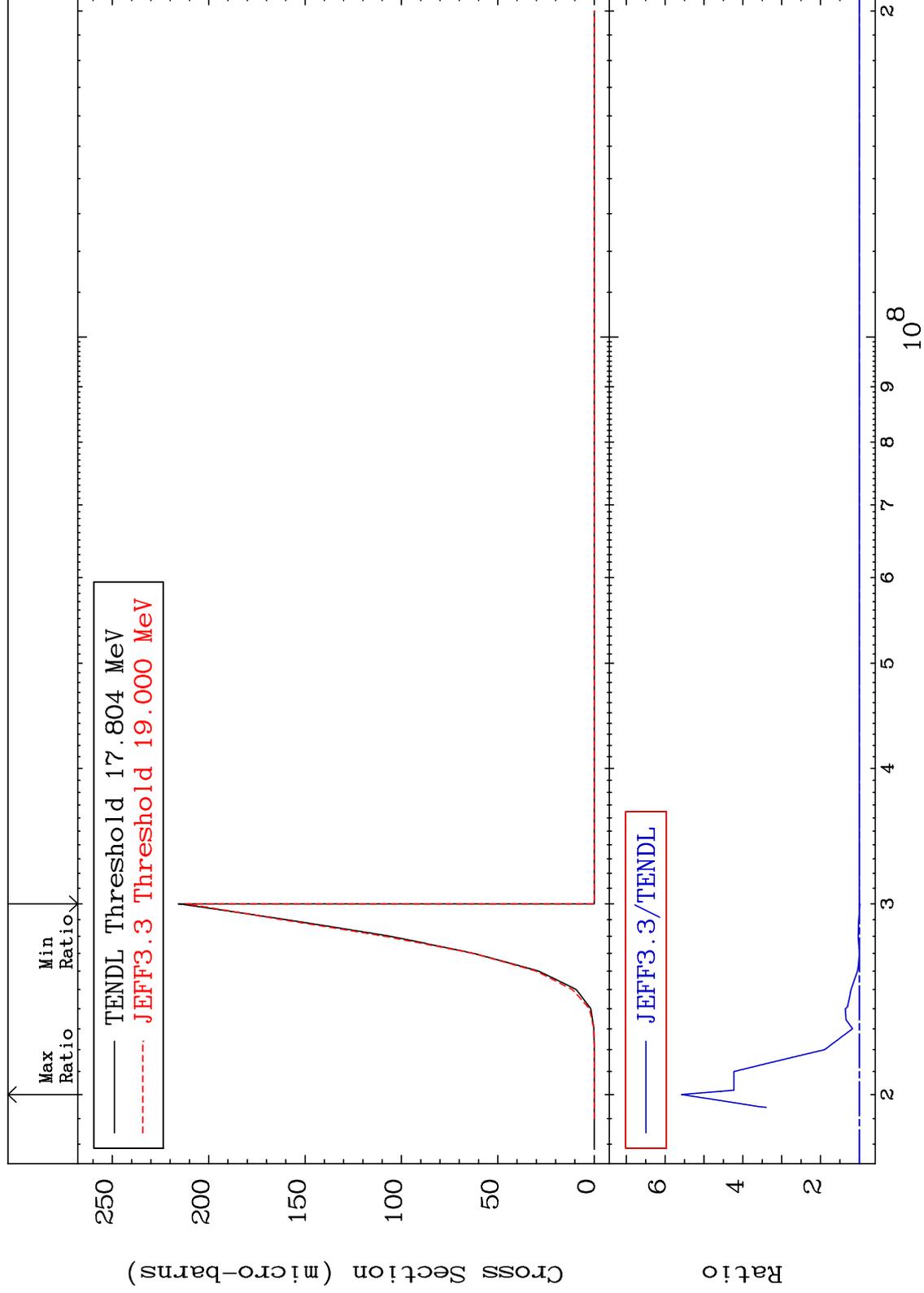


MAT 5061

(n, n') t: 49-In-121m1

50-Sn-124

Radionuclide Production Cross Section -1.781 To 457.6 %

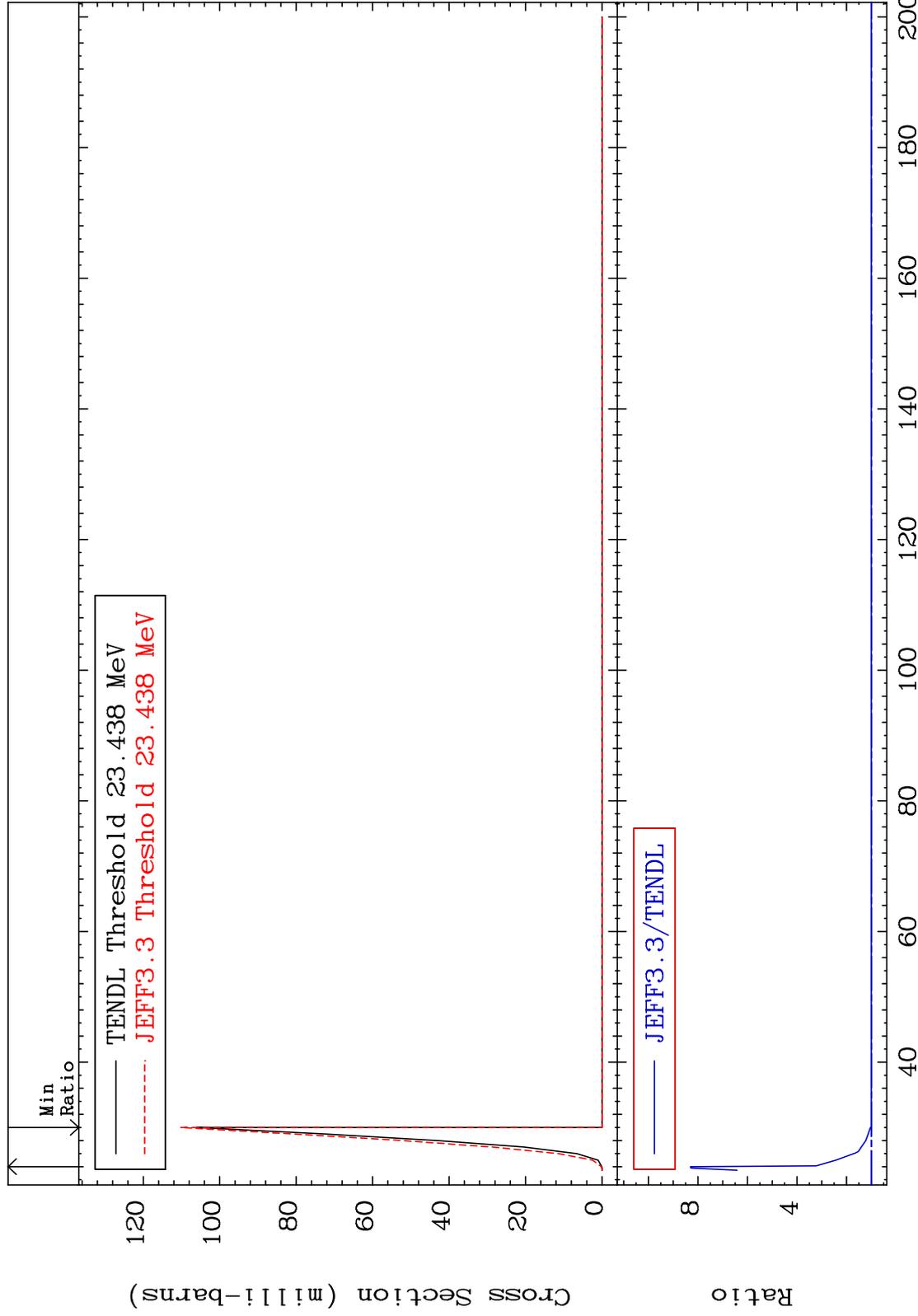


MAT 5061

(n,4n):50-Sn-121g

50-Sn-124

Radionuclide Production Cross Section 0.000 To 730.0 %

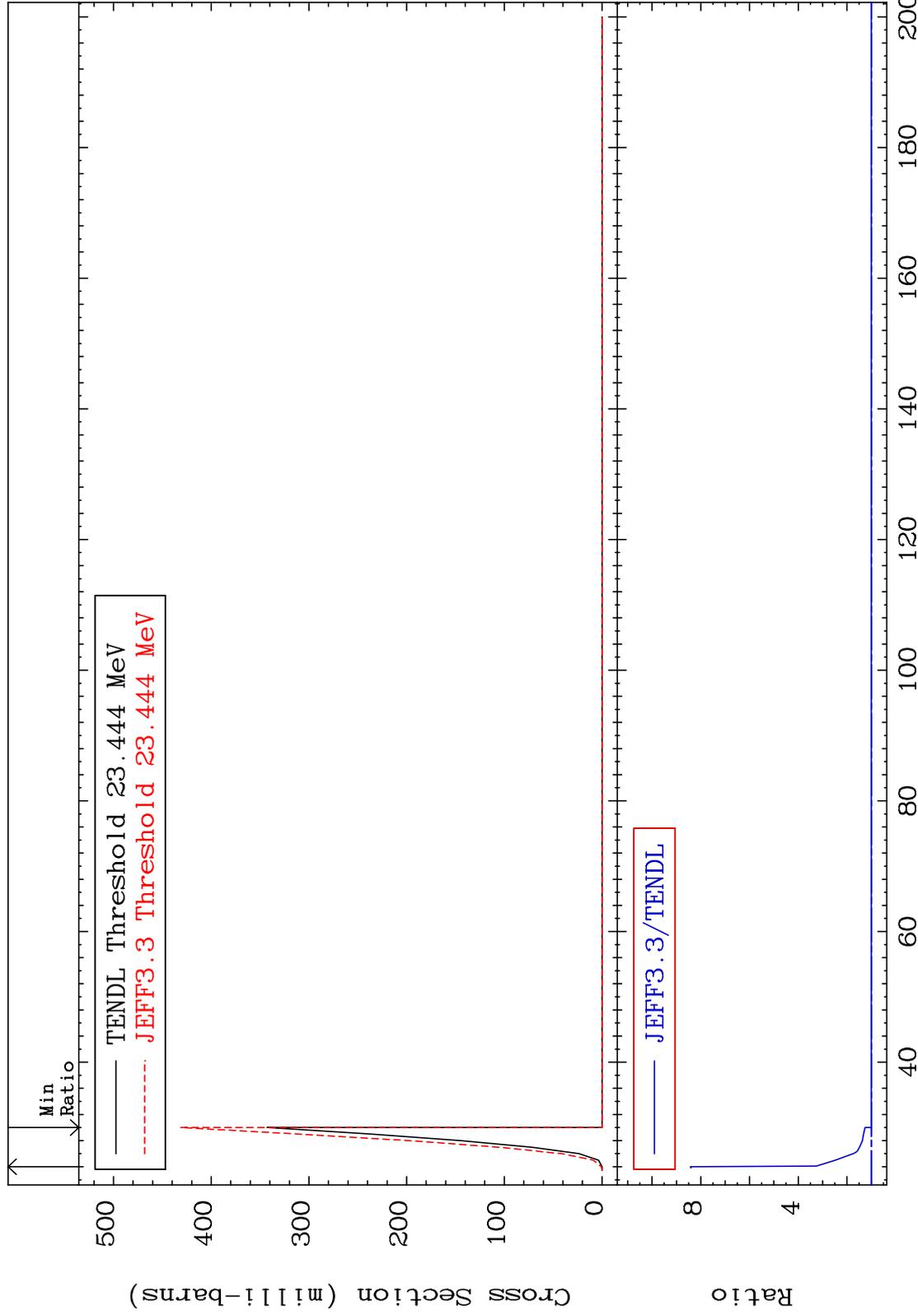


MAT 5061

(n, 4n):50-Sn-121m1

50-Sn-124

Radionuclide Production Cross Section 0.000 To 742.1 %



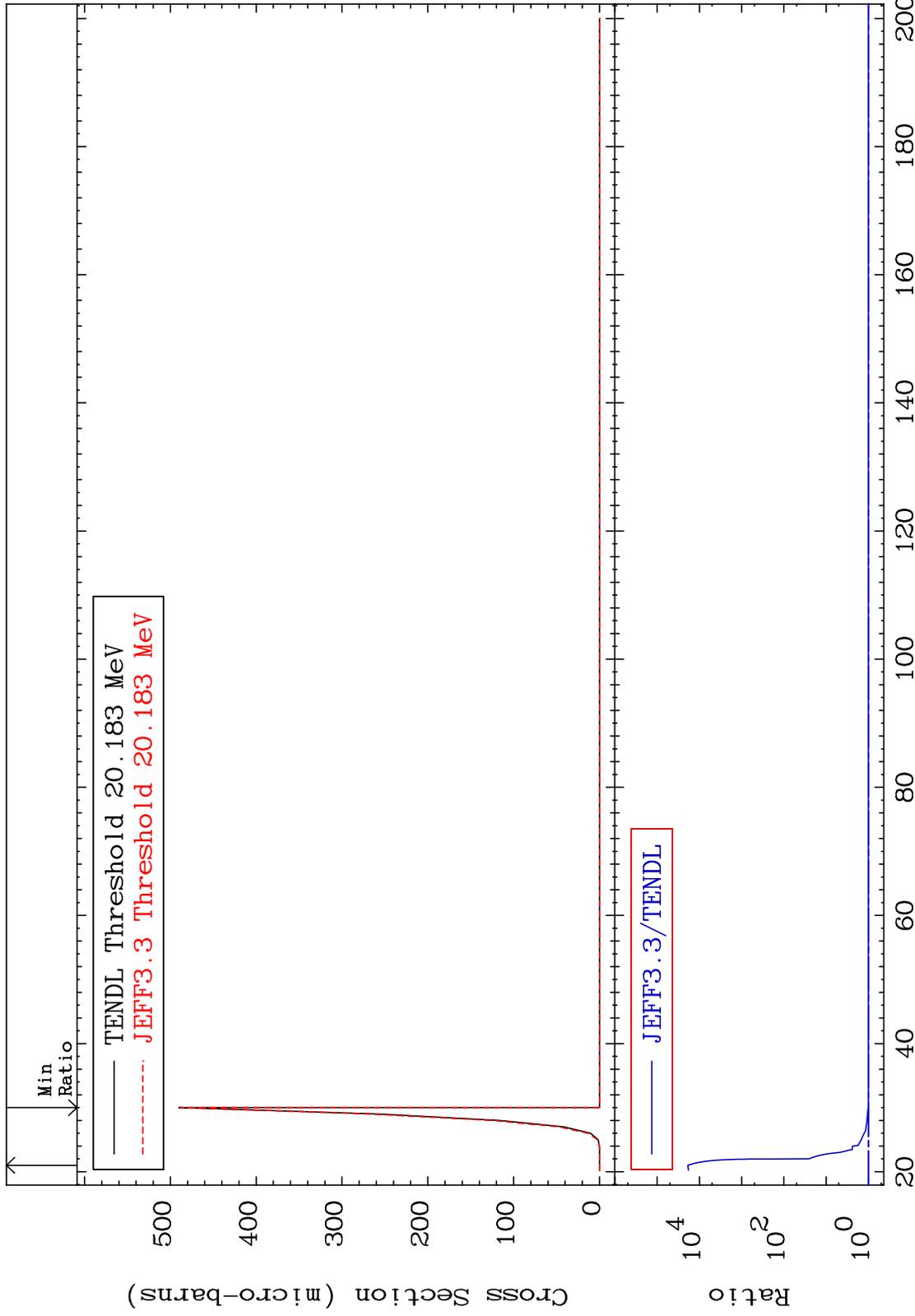
85

Incident Energy (MeV)

50-Sn-124

MAT 5061

(n,2n) p:49-In-122g 50-Sn-124
Radionuclide Production Cross Section -0.319 To 9999. %

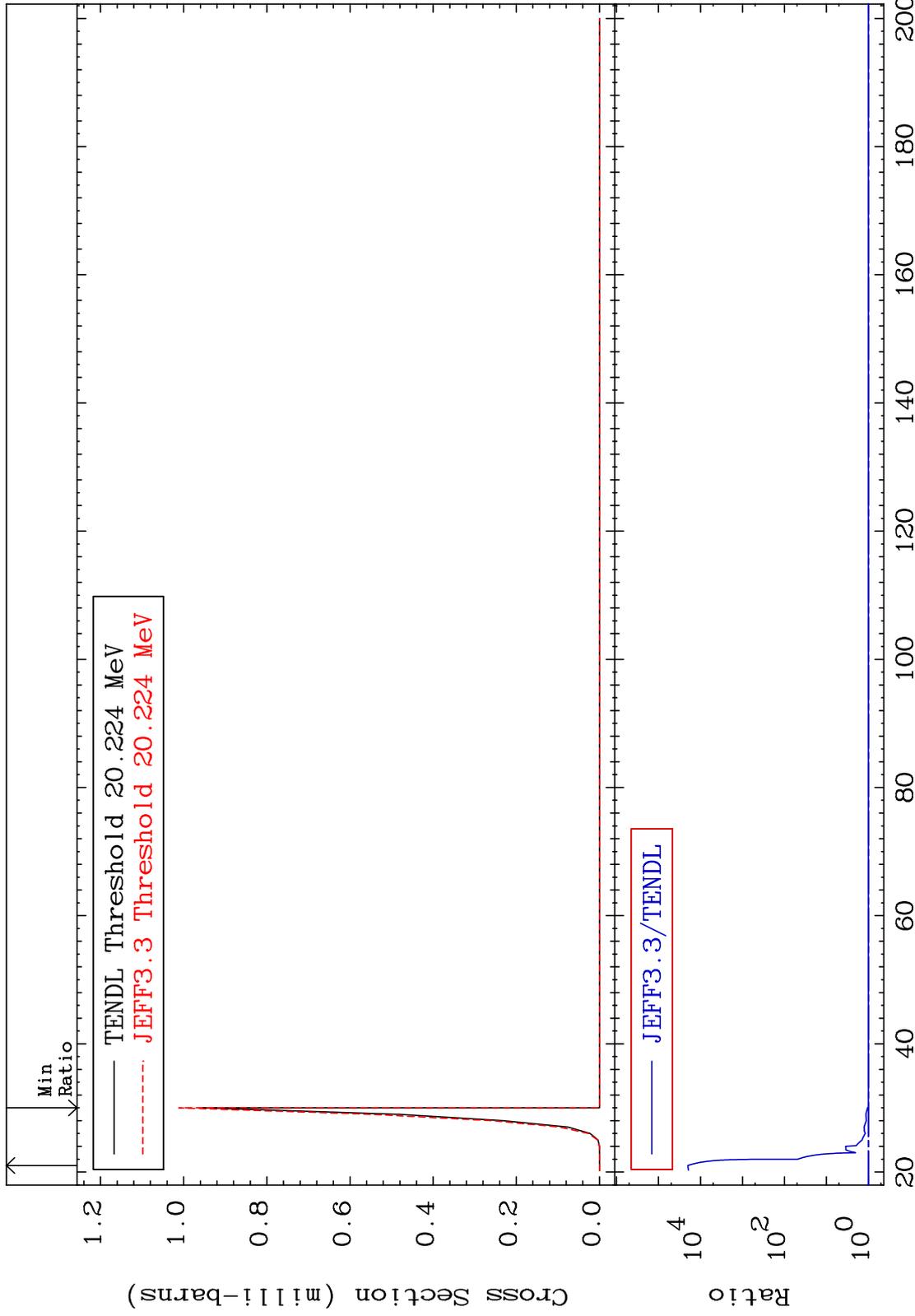


MAT 5061

(n,2n) p:49-In-122m1

50-Sn-124

Radionuclide Production Cross Section 0.000 To 9999. %



87

Incident Energy (MeV)

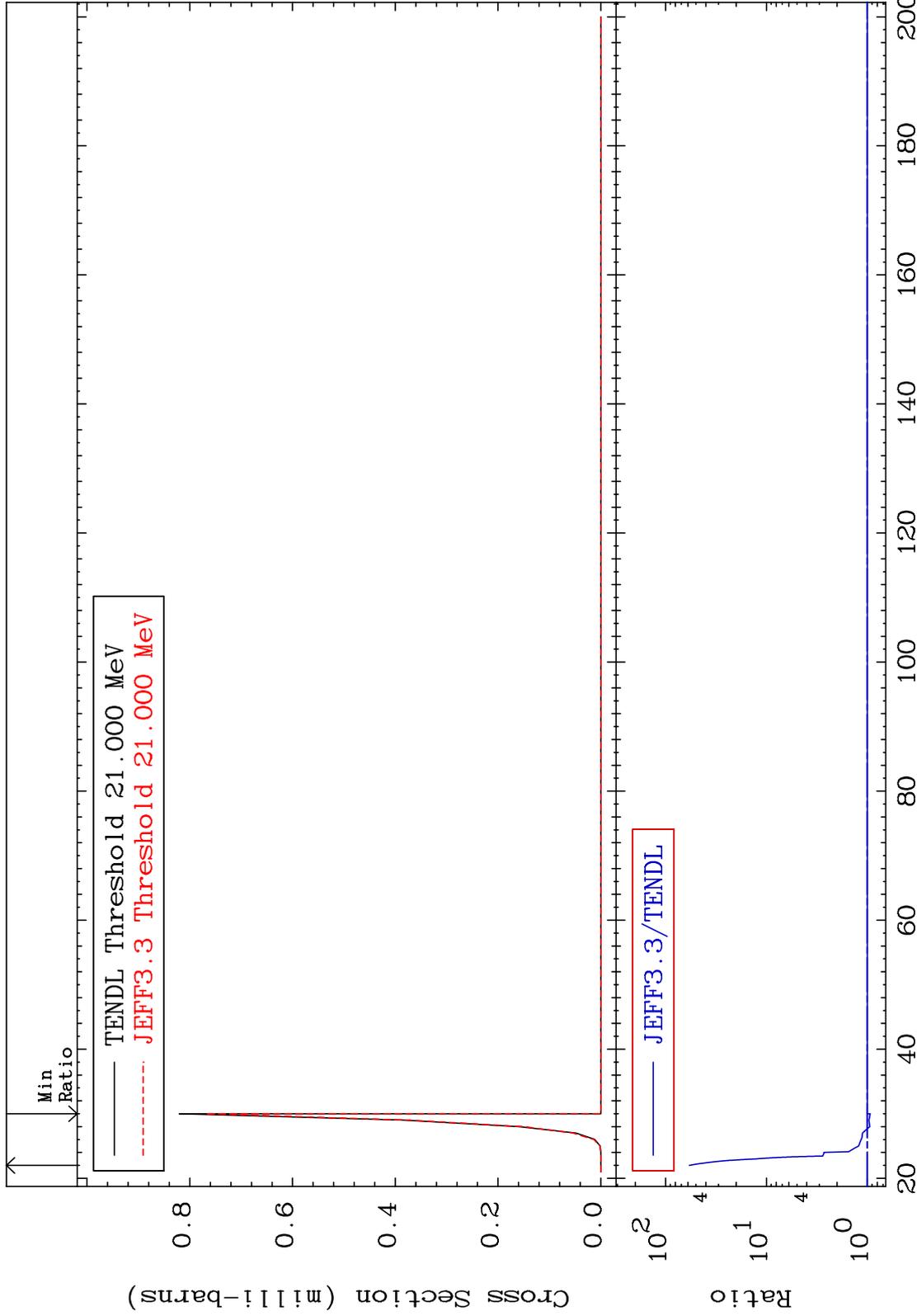
50-Sn-124

MAT 5061

(n,2n) p:49-In-122m5

50-Sn-124

Radionuclide Production Cross Section -6.245 To 5718. %

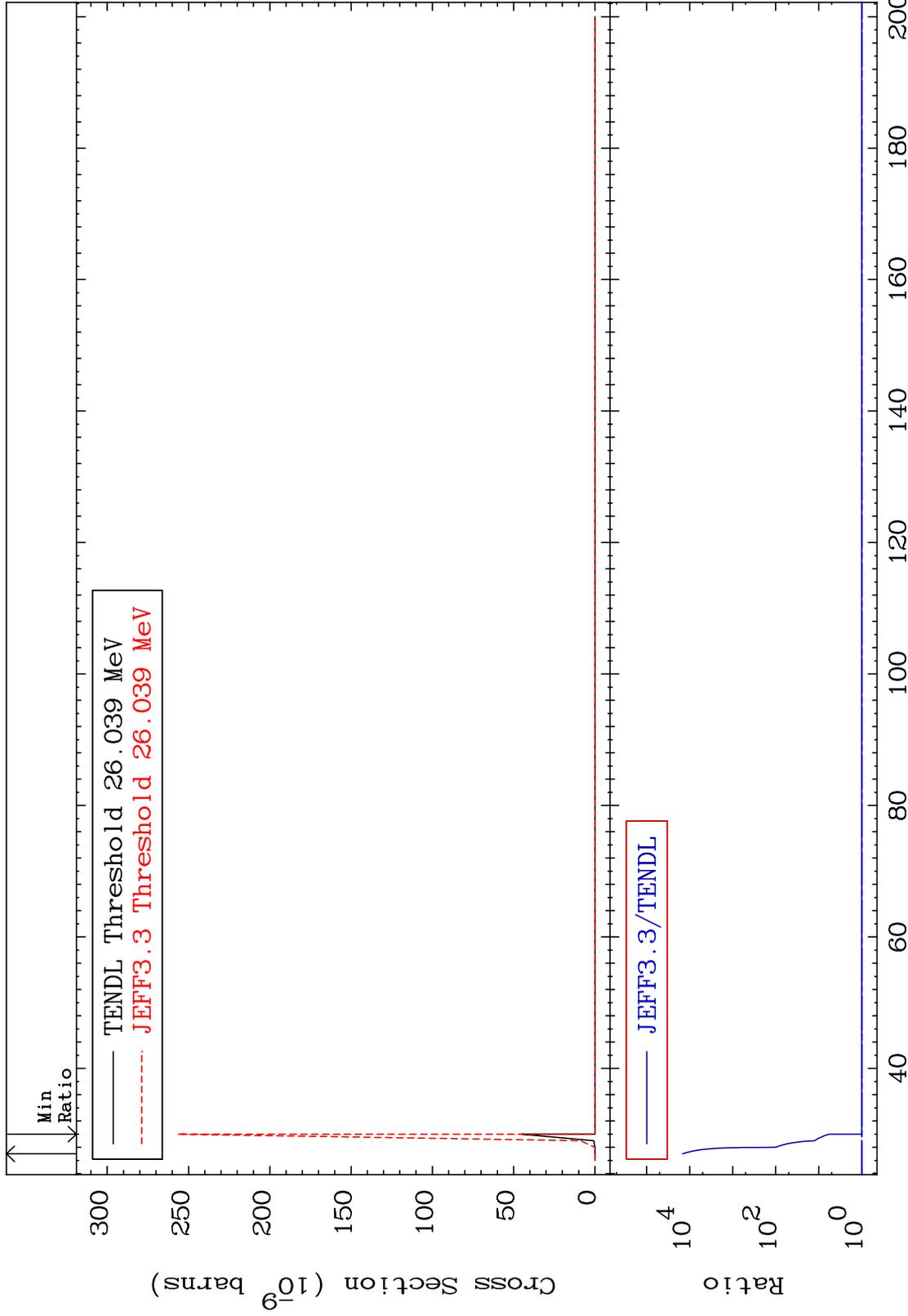


MAT 5061

(n,3n) p:49-In-121g

50-Sn-124

Radionuclide Production Cross Section 0.000 To 9999. %

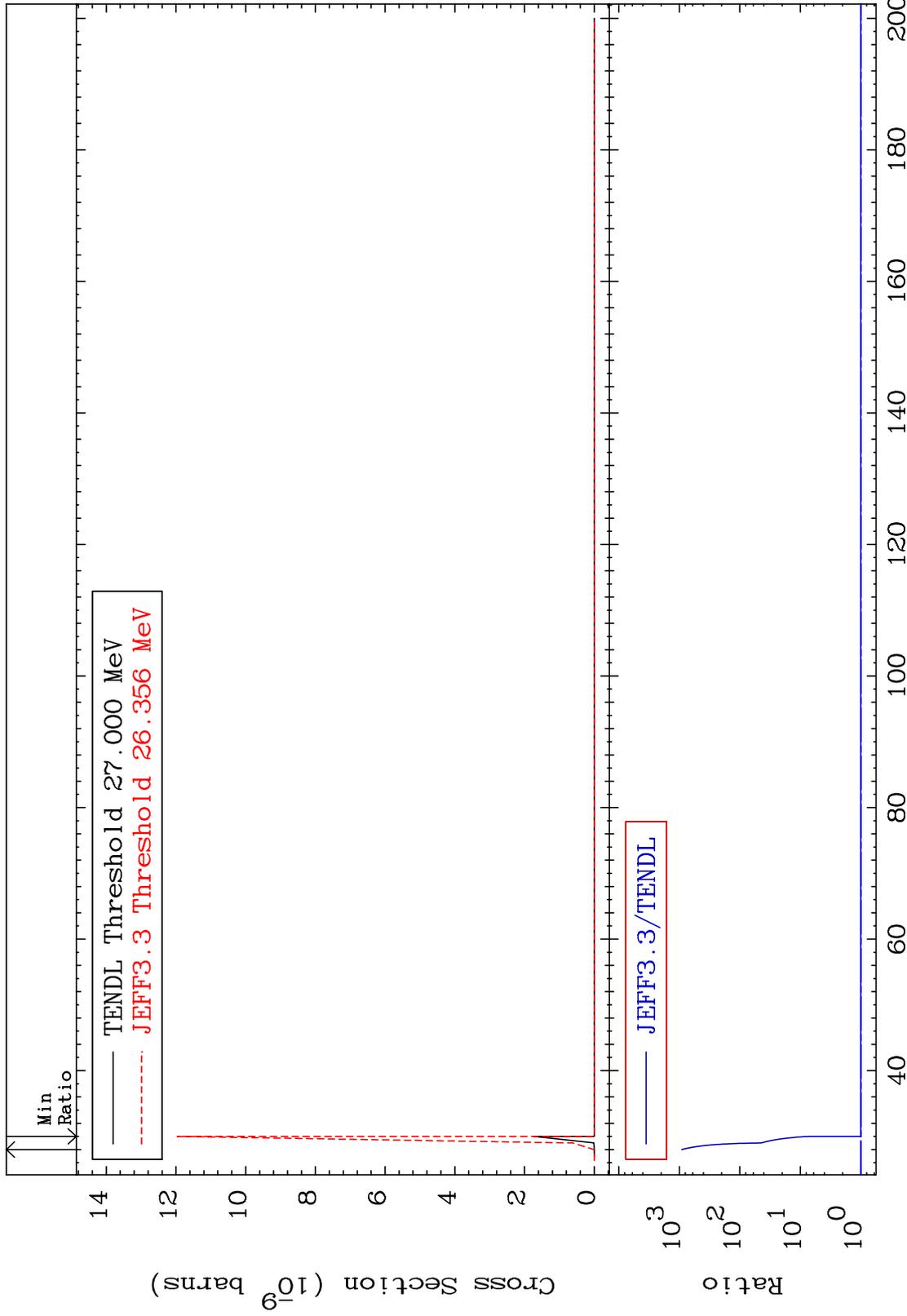


MAT 5061

(n,3n) p:49-In-121m1

50-Sn-124

Radionuclide Production Cross Section 0.000 To 9999. %



90

Incident Energy (MeV)

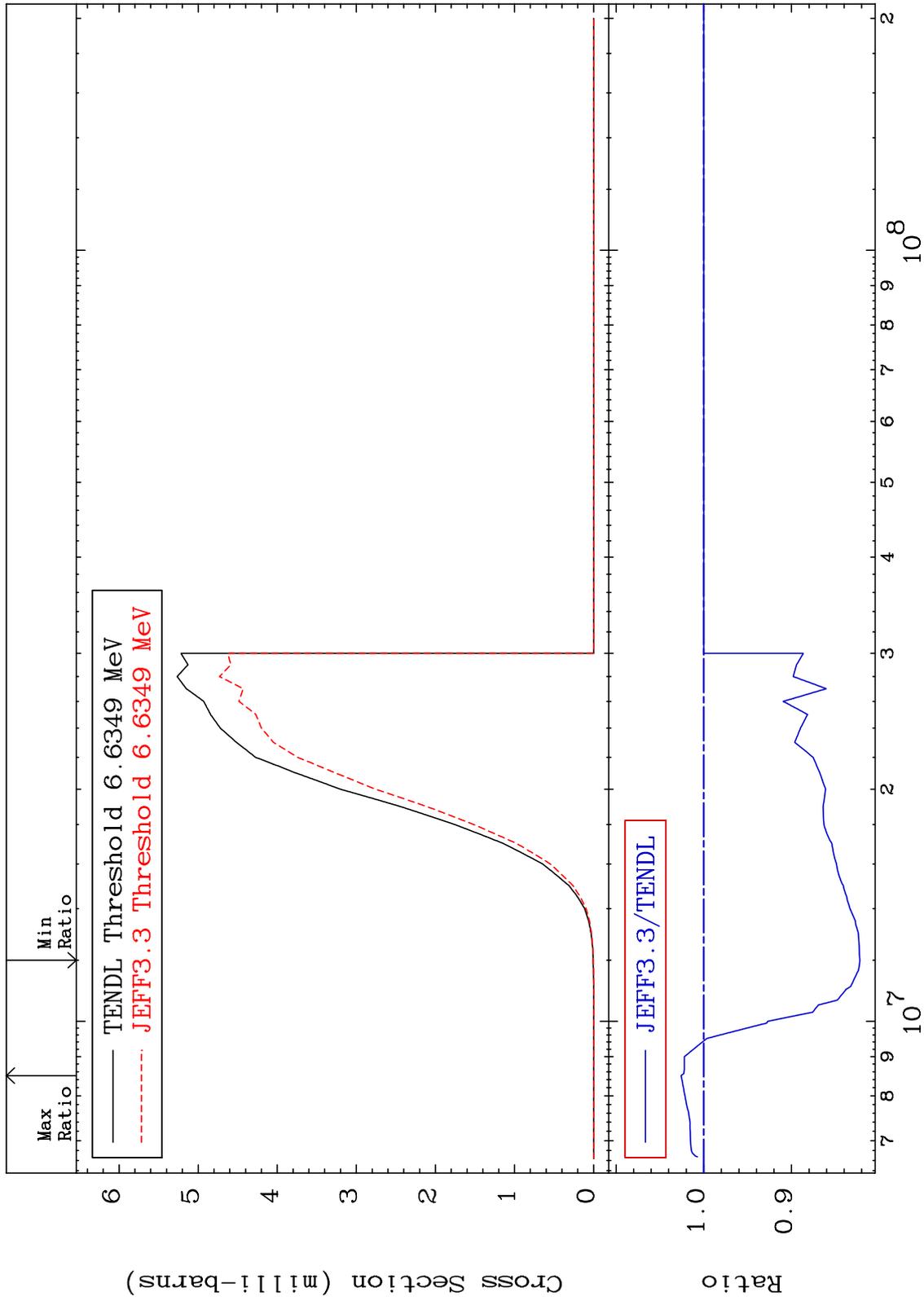
50-Sn-124

MAT 5061

(n,p): 49-In-124g

50-Sn-124

Radionuclide Production Cross Section -17.80 To 2.584 %



91

Incident Energy (eV)

50-Sn-124

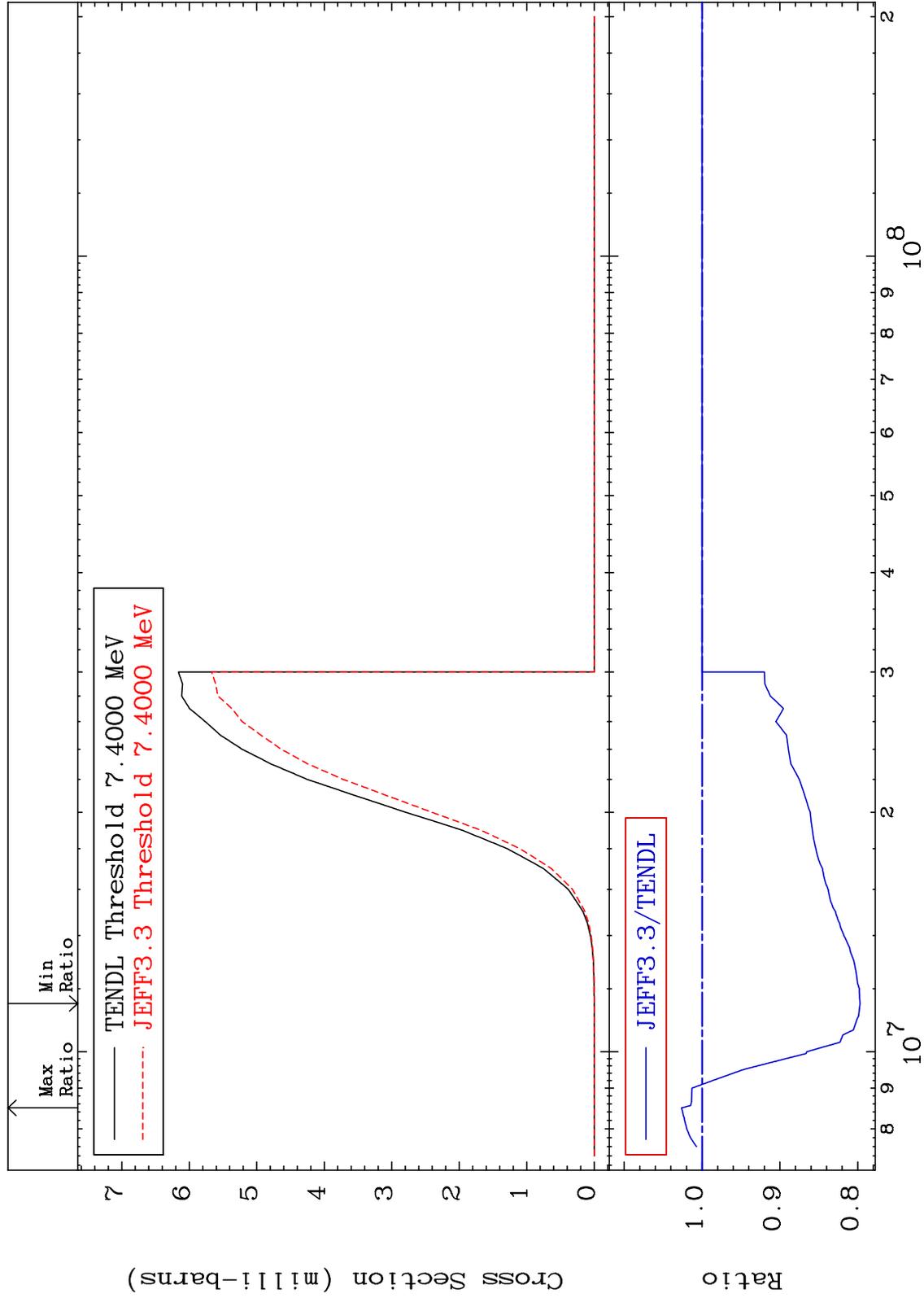
MAT 5061

(n, p) : 49-In-124m2

50-Sn-124

Radionuclide Production Cross Section

-20.30 To 2.631 %



92

Incident Energy (eV)

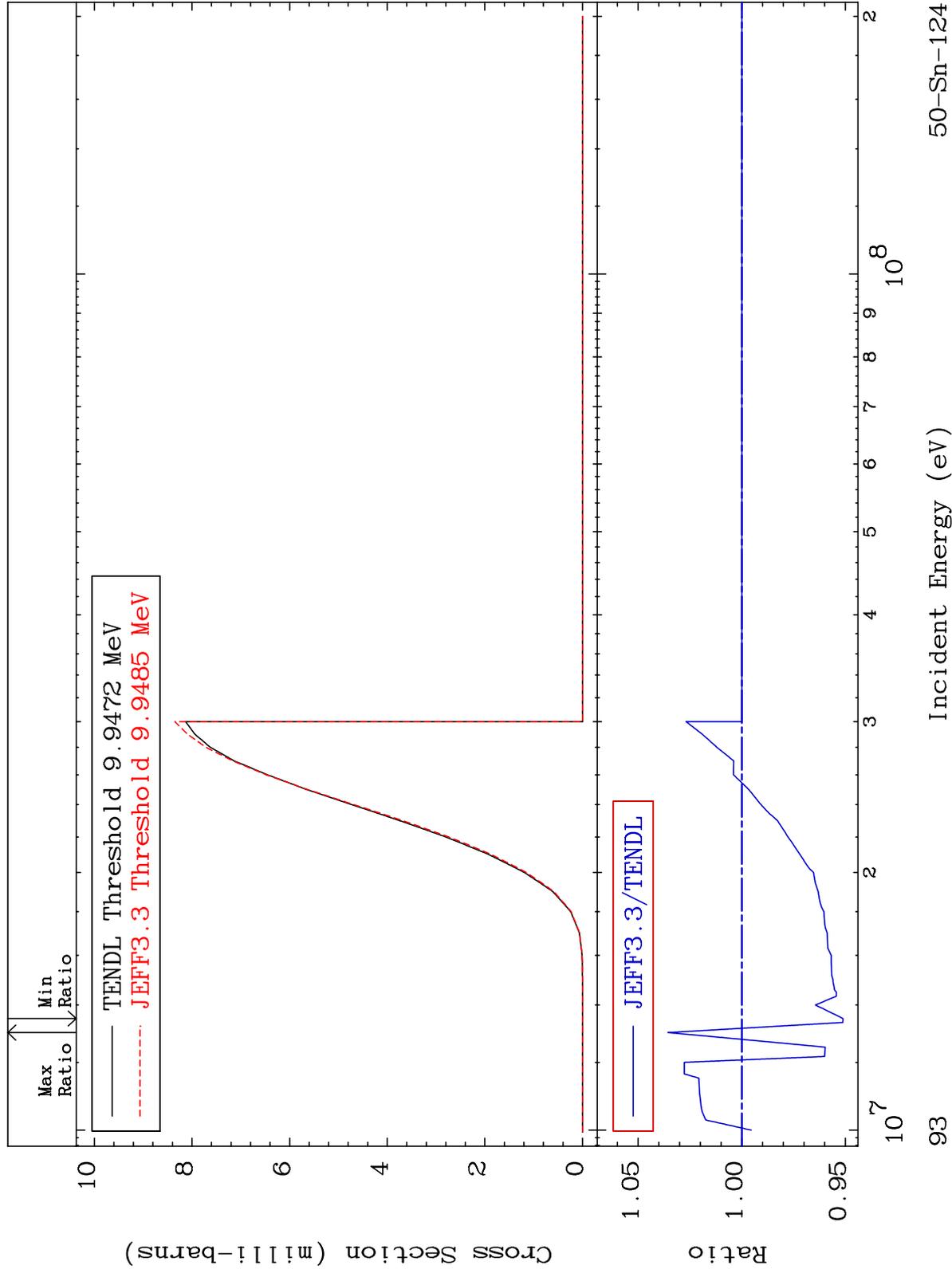
50-Sn-124

MAT 5061

(n, d) : 49-In-123g

50-Sn-124

Radionuclide Production Cross Section -4.886 To 3.556 %

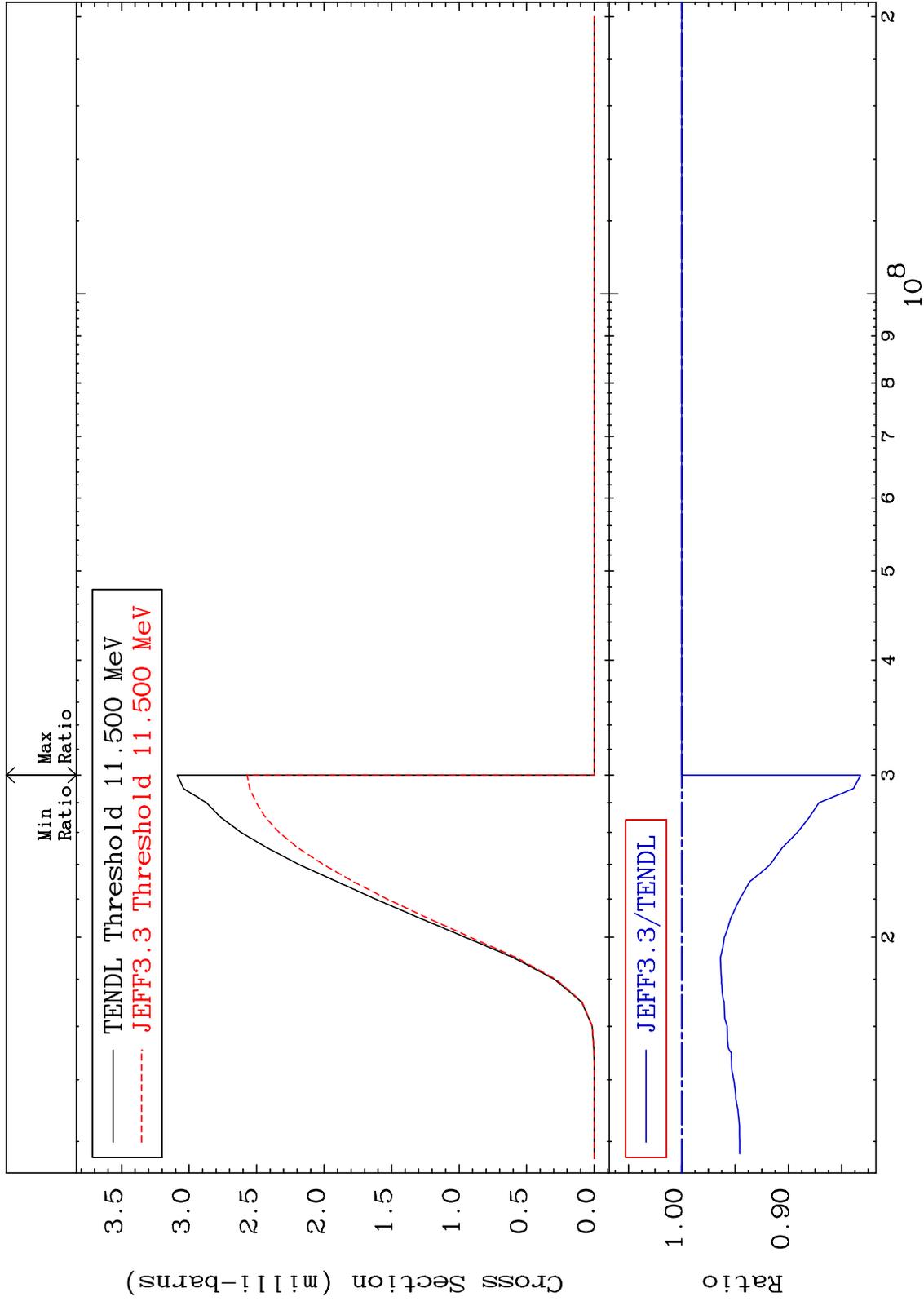


MAT 5061

(n, d) : 49-In-123m1

50-Sn-124

Radionuclide Production Cross Section -16.78 To 0.000 %

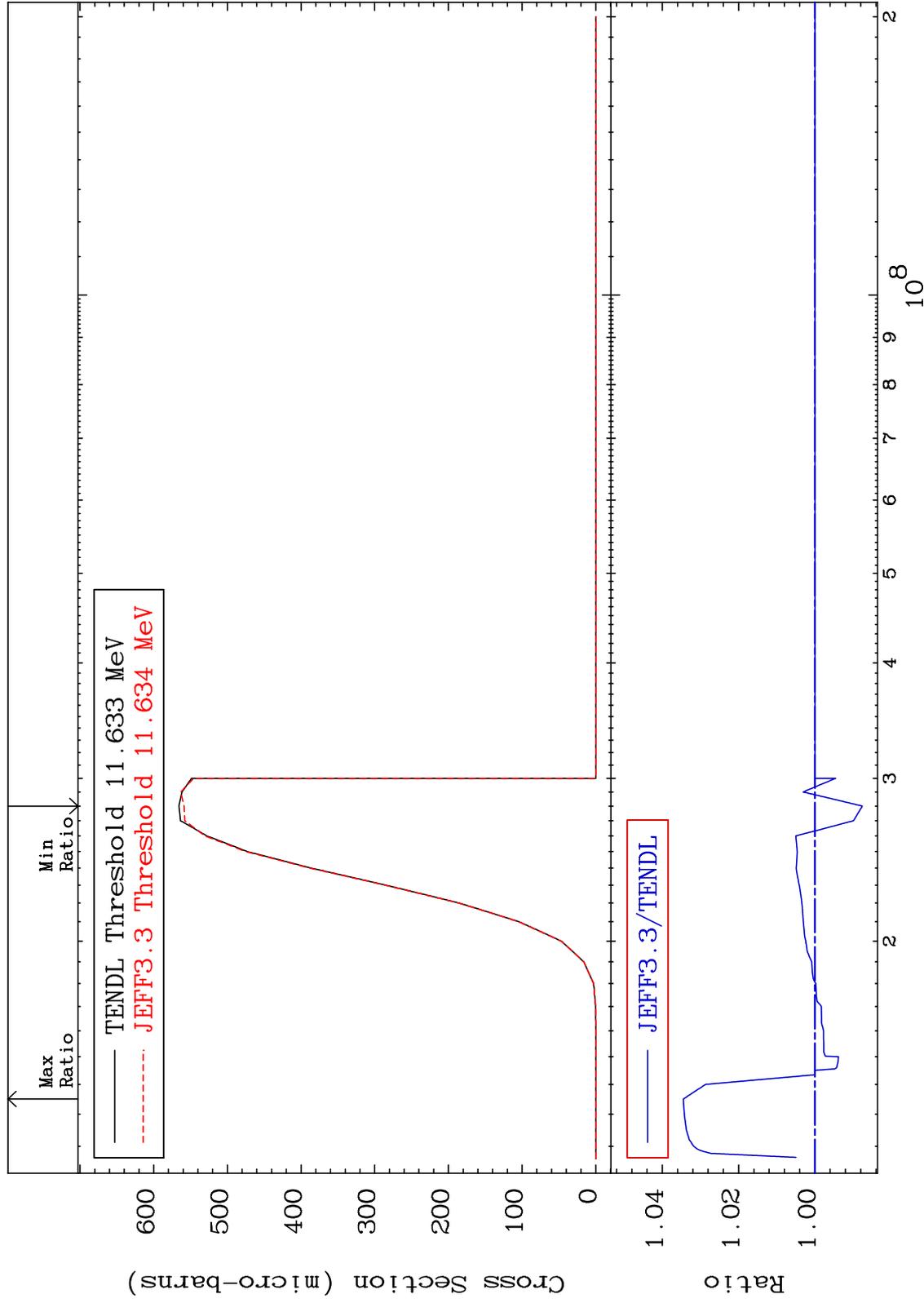


MAT 5061

(n, t): 49-In-122g

50-Sn-124

Radionuclide Production Cross Section -1.242 To 3.448 %

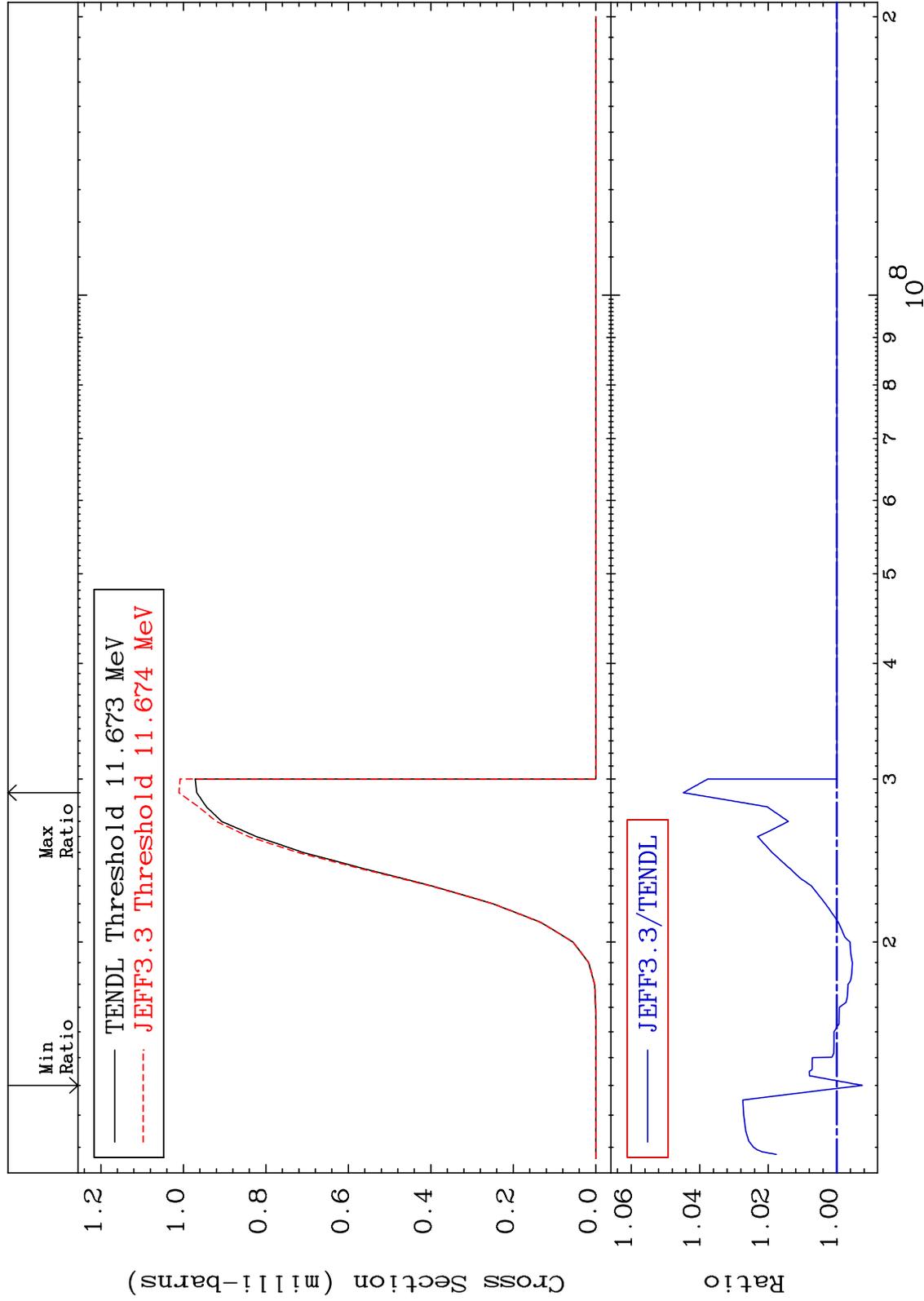


MAT 5061

(n, t) : 49-In-122m1

50-Sn-124

Radionuclide Production Cross Section -0.744 To 4.478 %

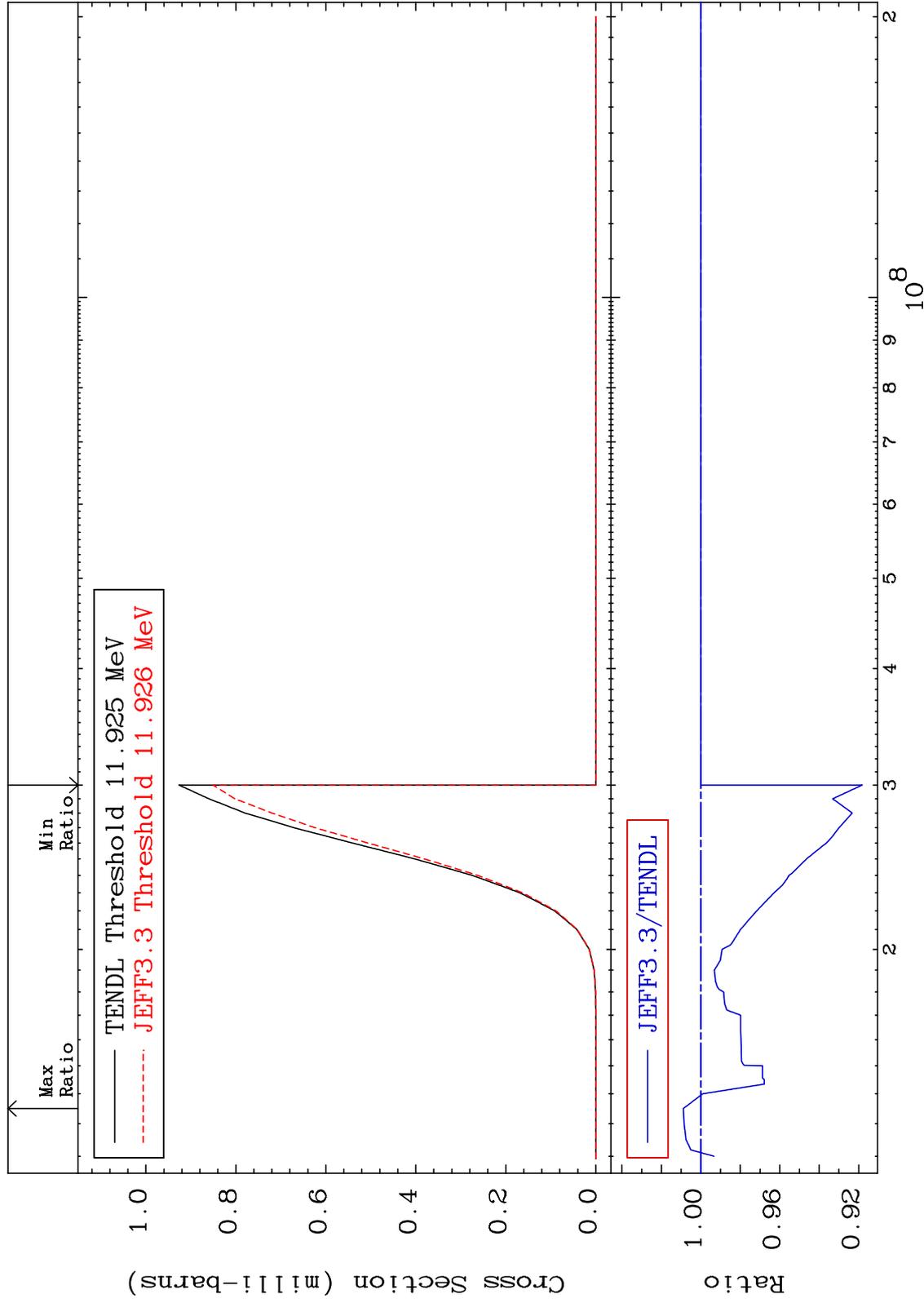


MAT 5061

(n, t) : 49-In-122m5

50-Sn-124

Radionuclide Production Cross Section -8.184 To 0.885 %

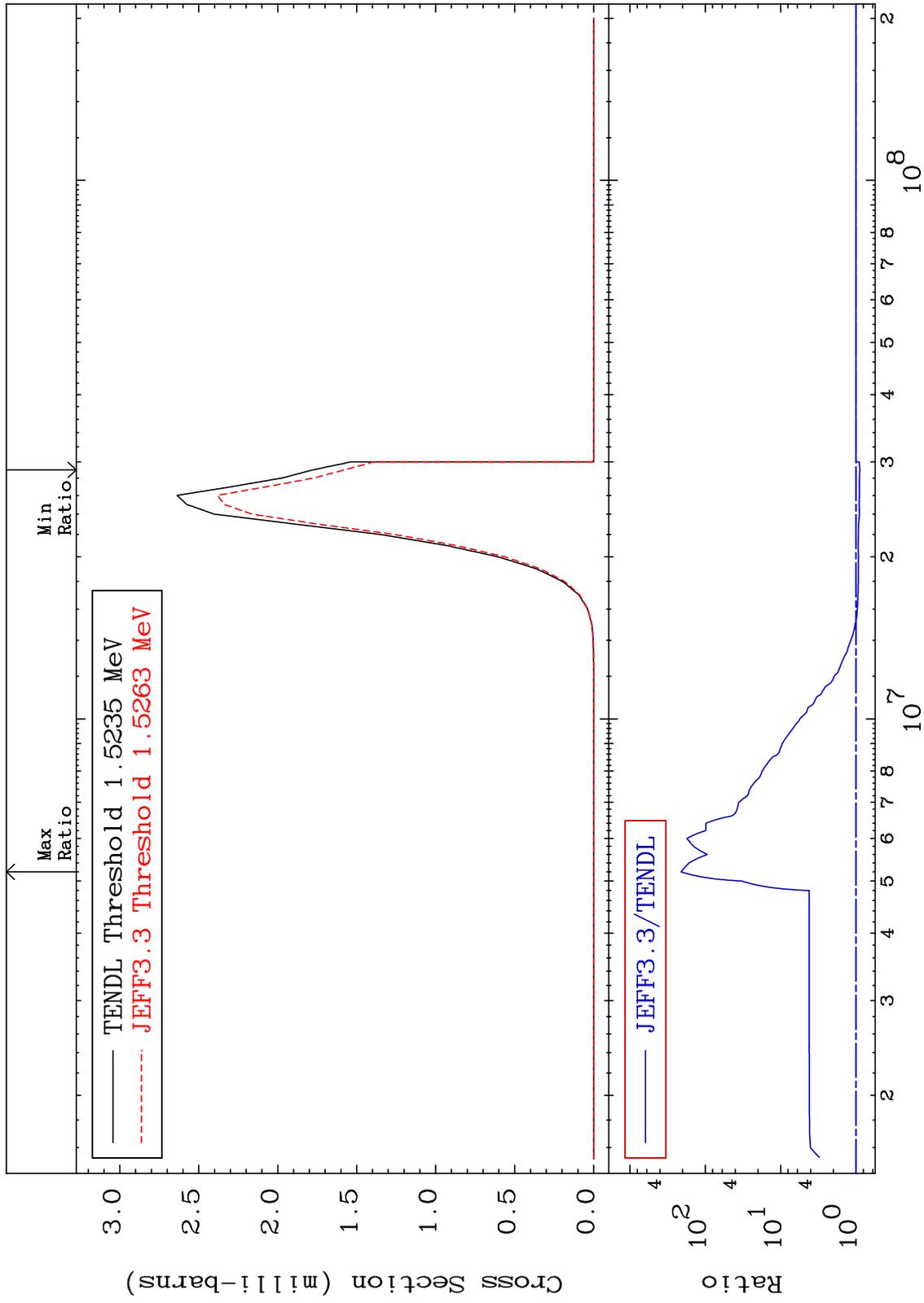


MAT 5061

(n, α): 48-Cd-121g

50-Sn-124

Radionuclide Production Cross Section -11.28 To 9999. %



98

Incident Energy (eV)

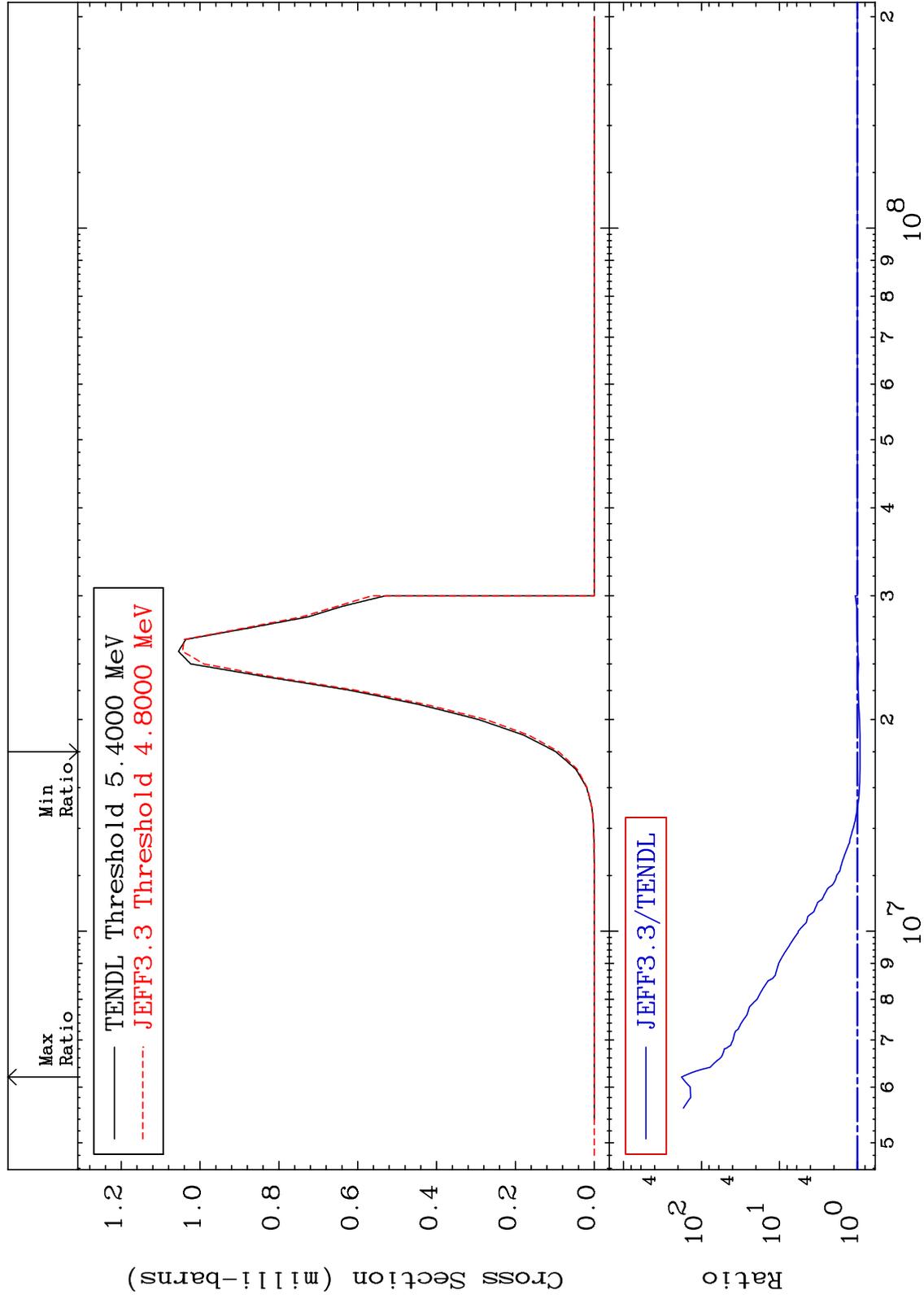
50-Sn-124

MAT 5061

(n, α): 48-Cd-121m2

50-Sn-124

Radionuclide Production Cross Section -7.369 To 9999. %

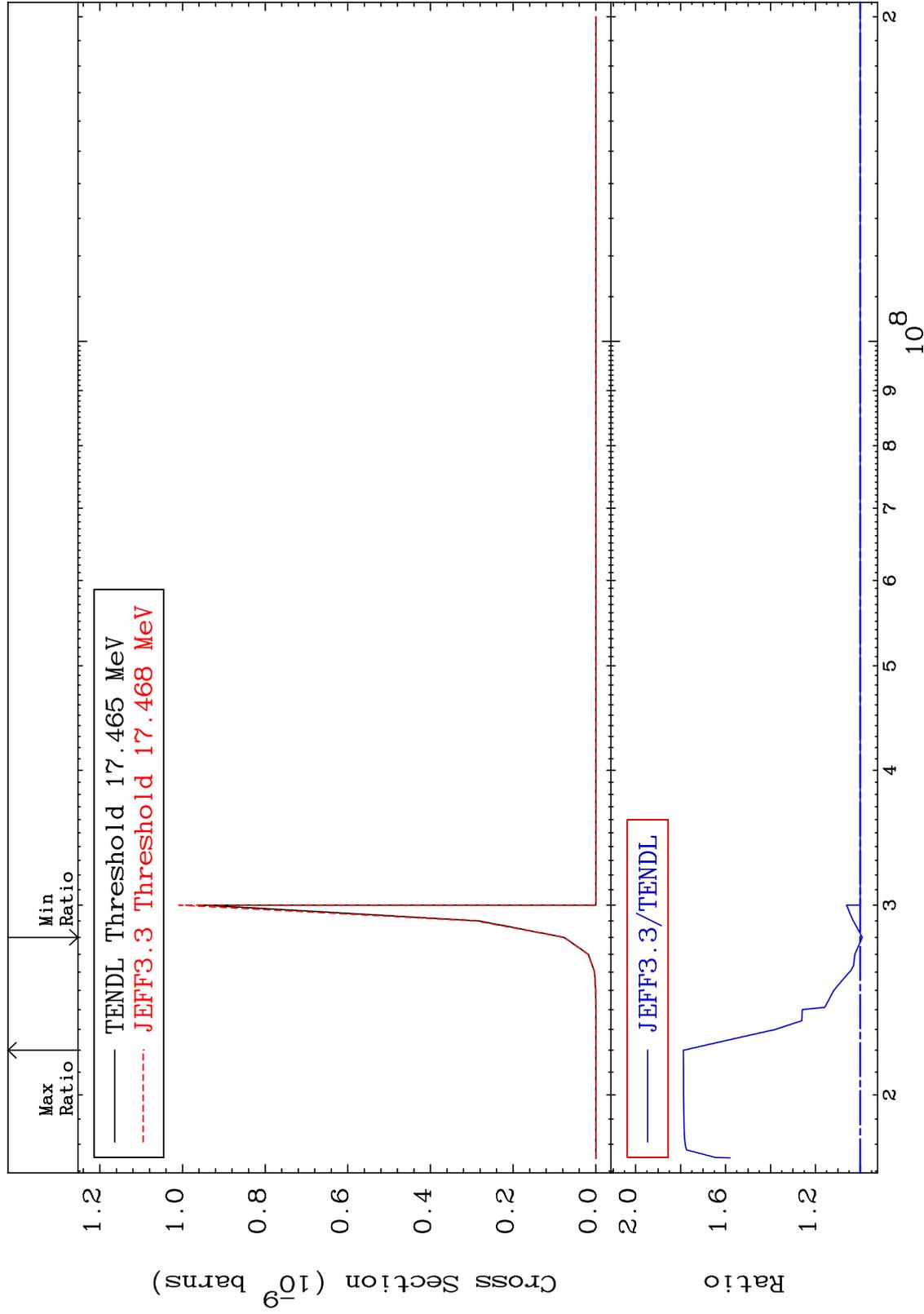


MAT 5061

(n,2p) : 48-Cd-123g

50-Sn-124

Radionuclide Production Cross Section -0.860 To 78.77 %



100

Incident Energy (eV)

50-Sn-124

