

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

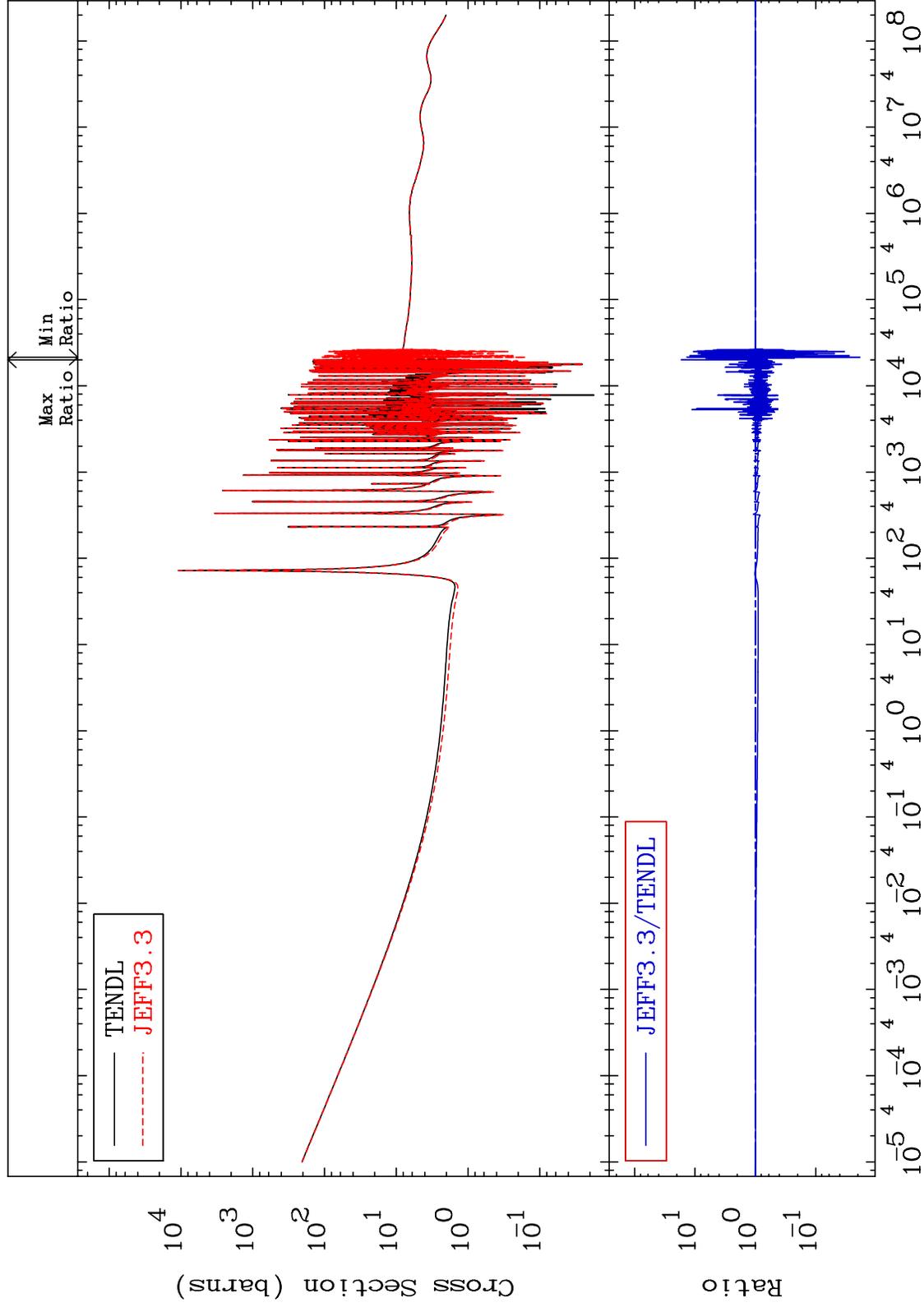
MAT 5231

Total

52-Te-122

Cross Section

-98.14 To 1577. %



Incident Energy (eV)

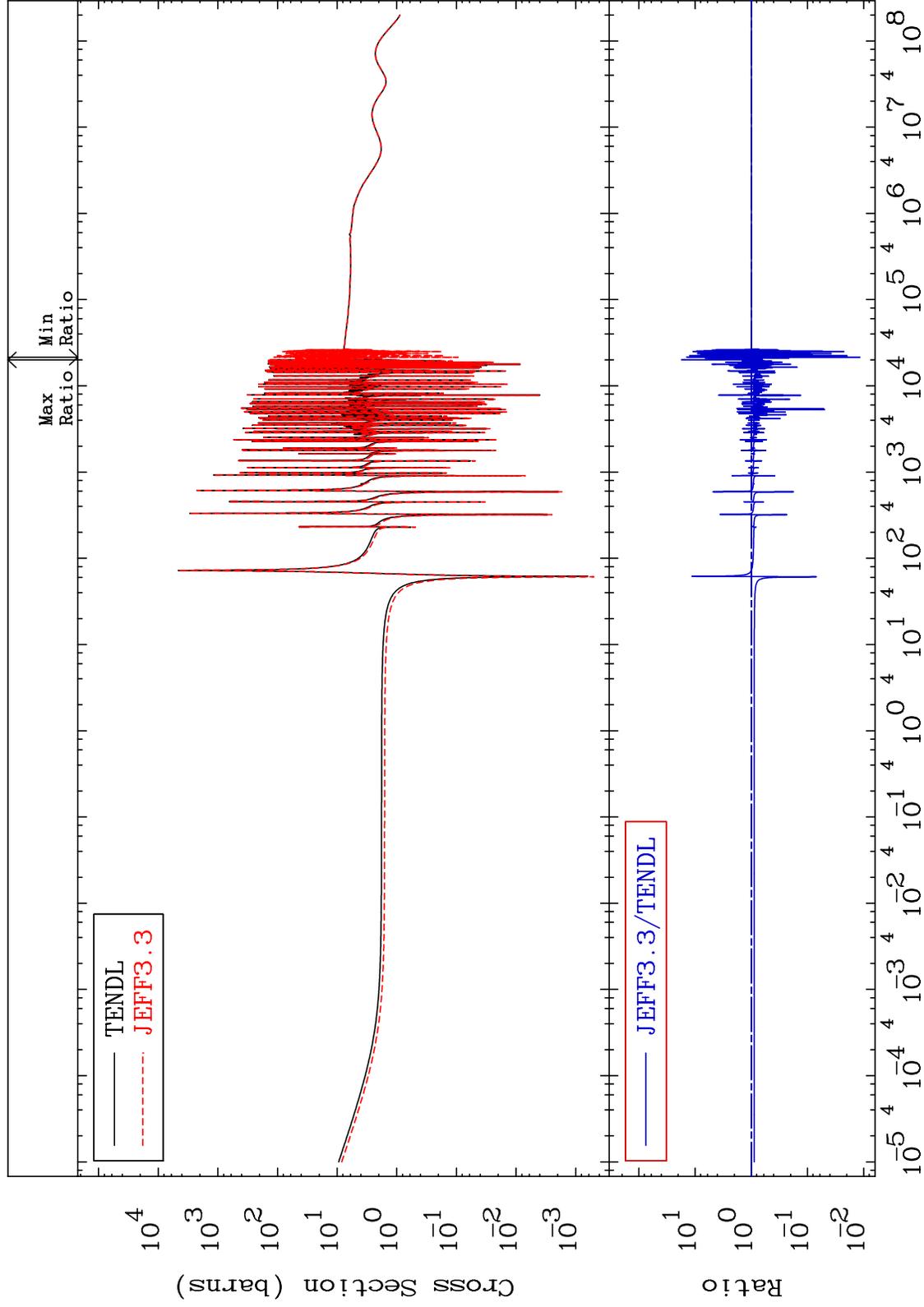
52-Te-122

1

MAT 5231

Elastic
Cross Section

52-Te-122
-98.83 To 1649. %

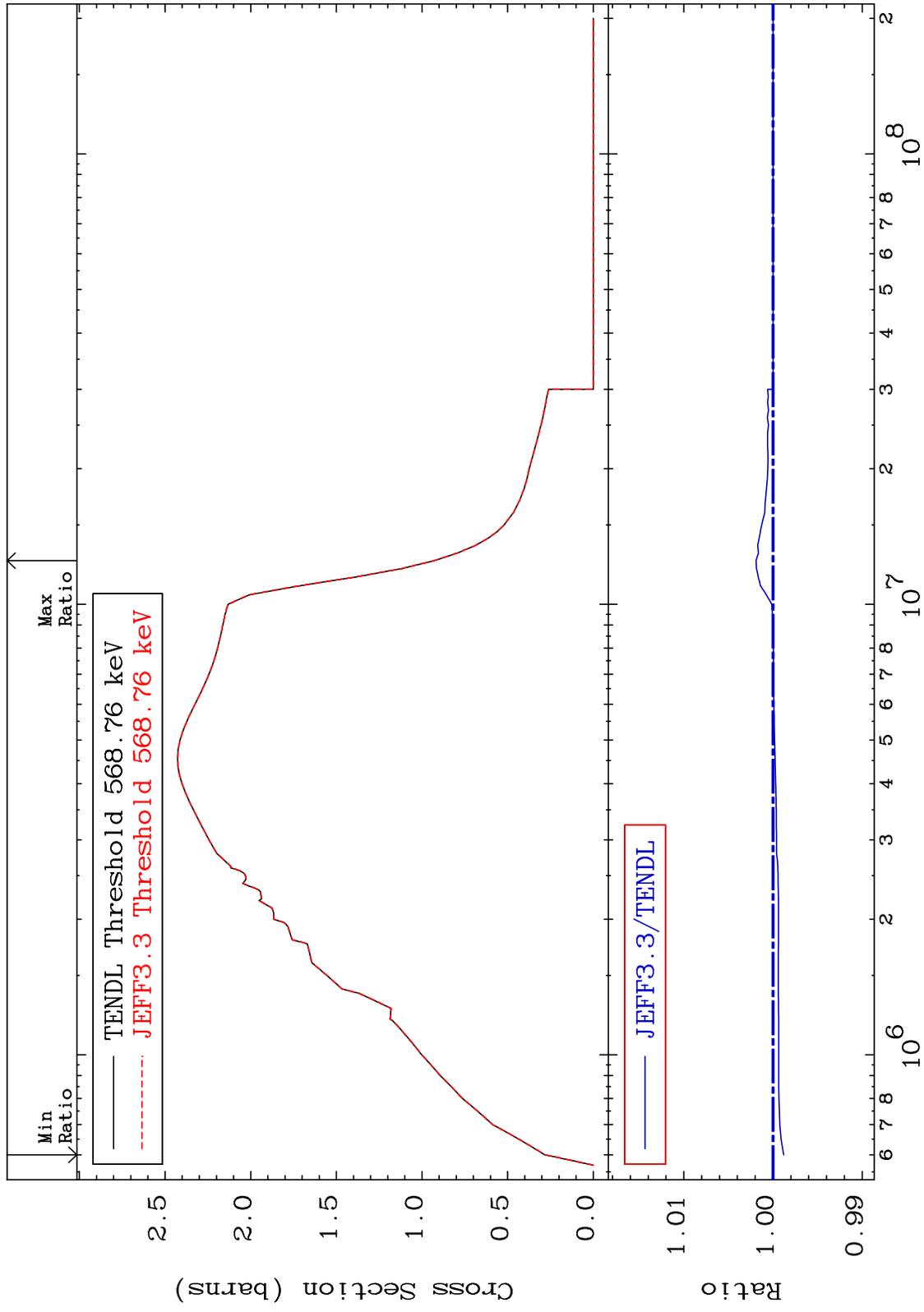


2

Incident Energy (eV)

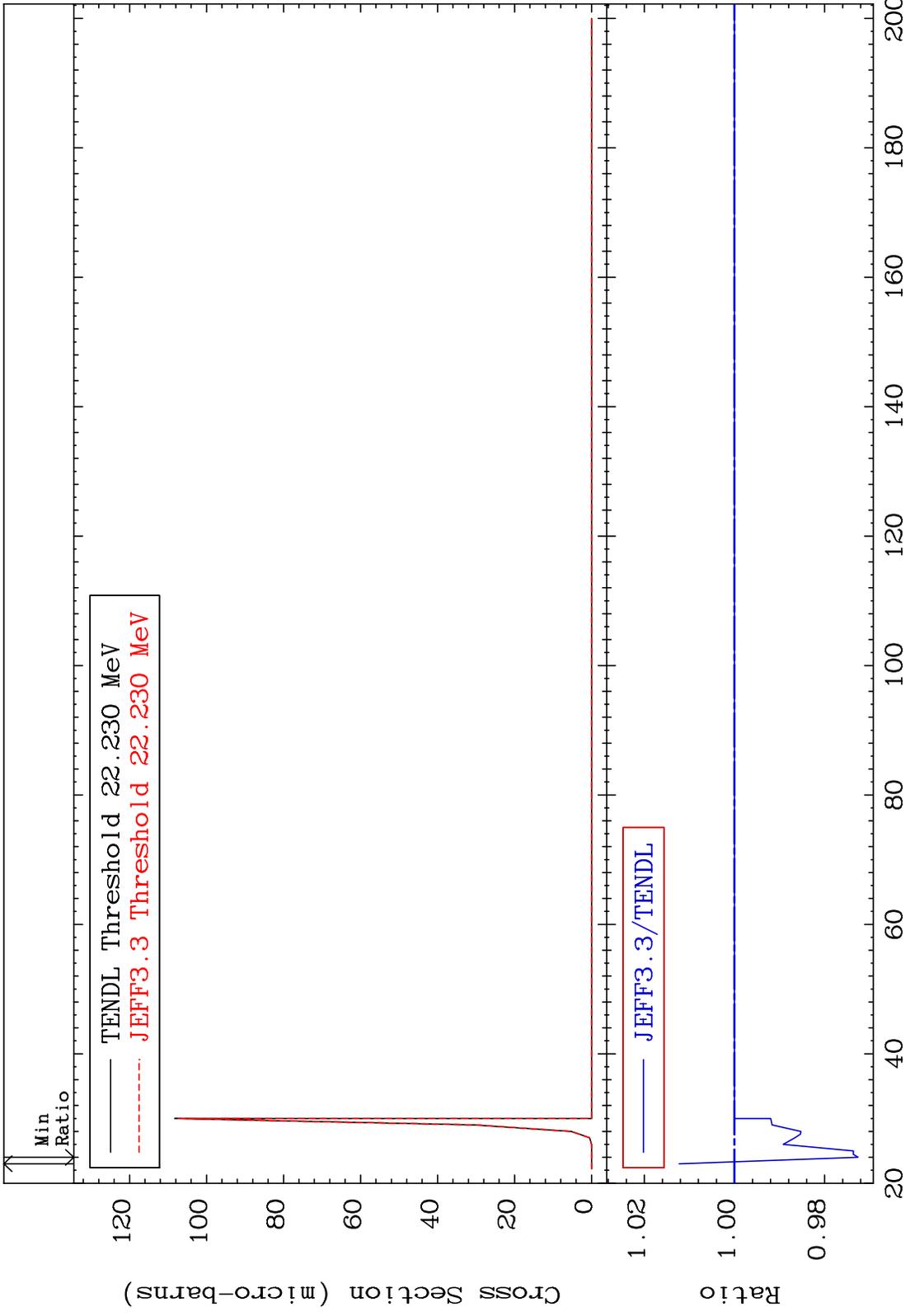
52-Te-122

MAT 5231 Inelastic Cross Section 52-Te-122 -0.119 To 0.191 %



3 Incident Energy (eV) 52-Te-122

MAT 5231 (n,2n) d 52-Te-122
Cross Section -2.742 To 1.228 %



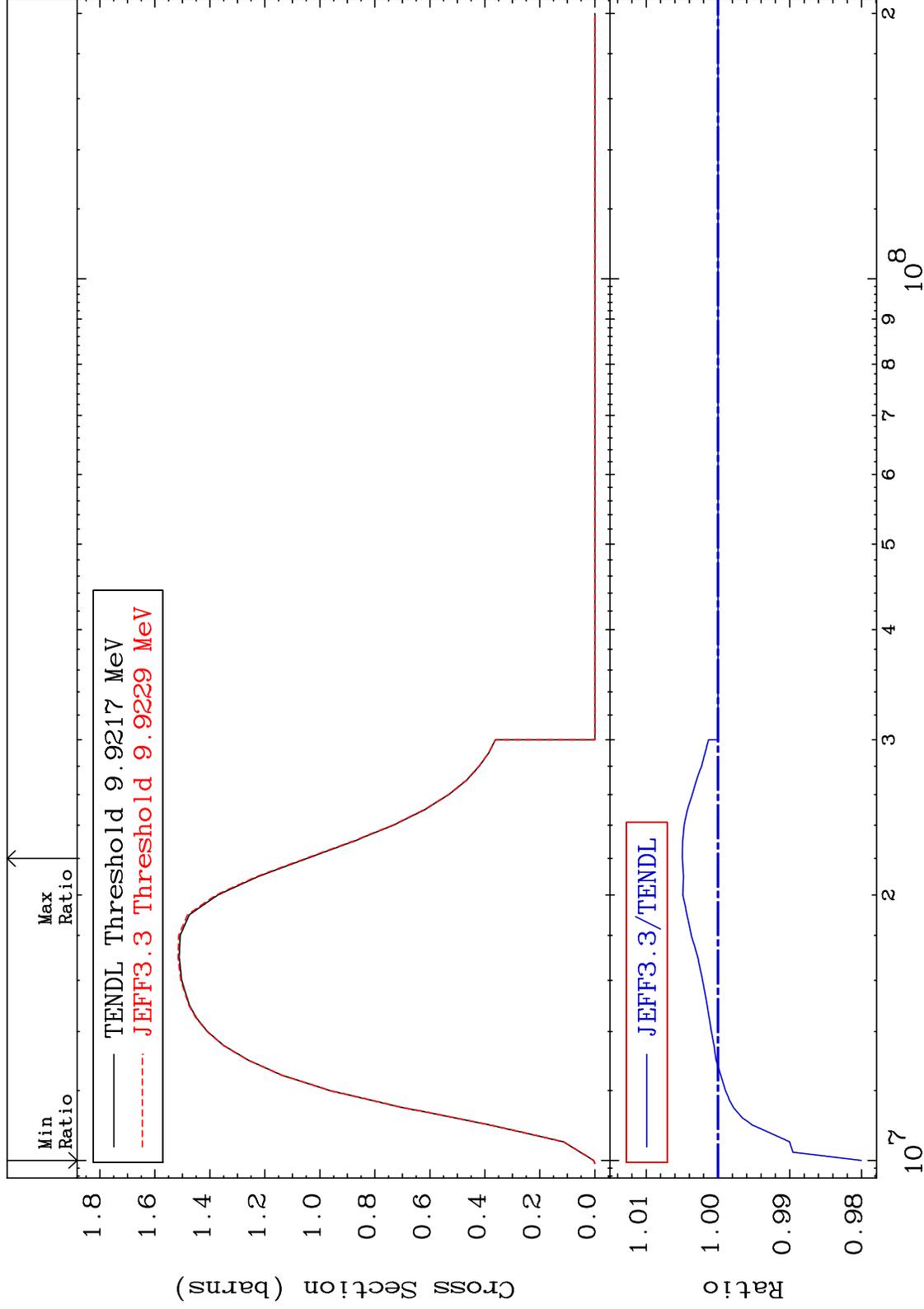
MAT 5231

(n,2n)

52-Te-122

-1.997 To 0.496 %

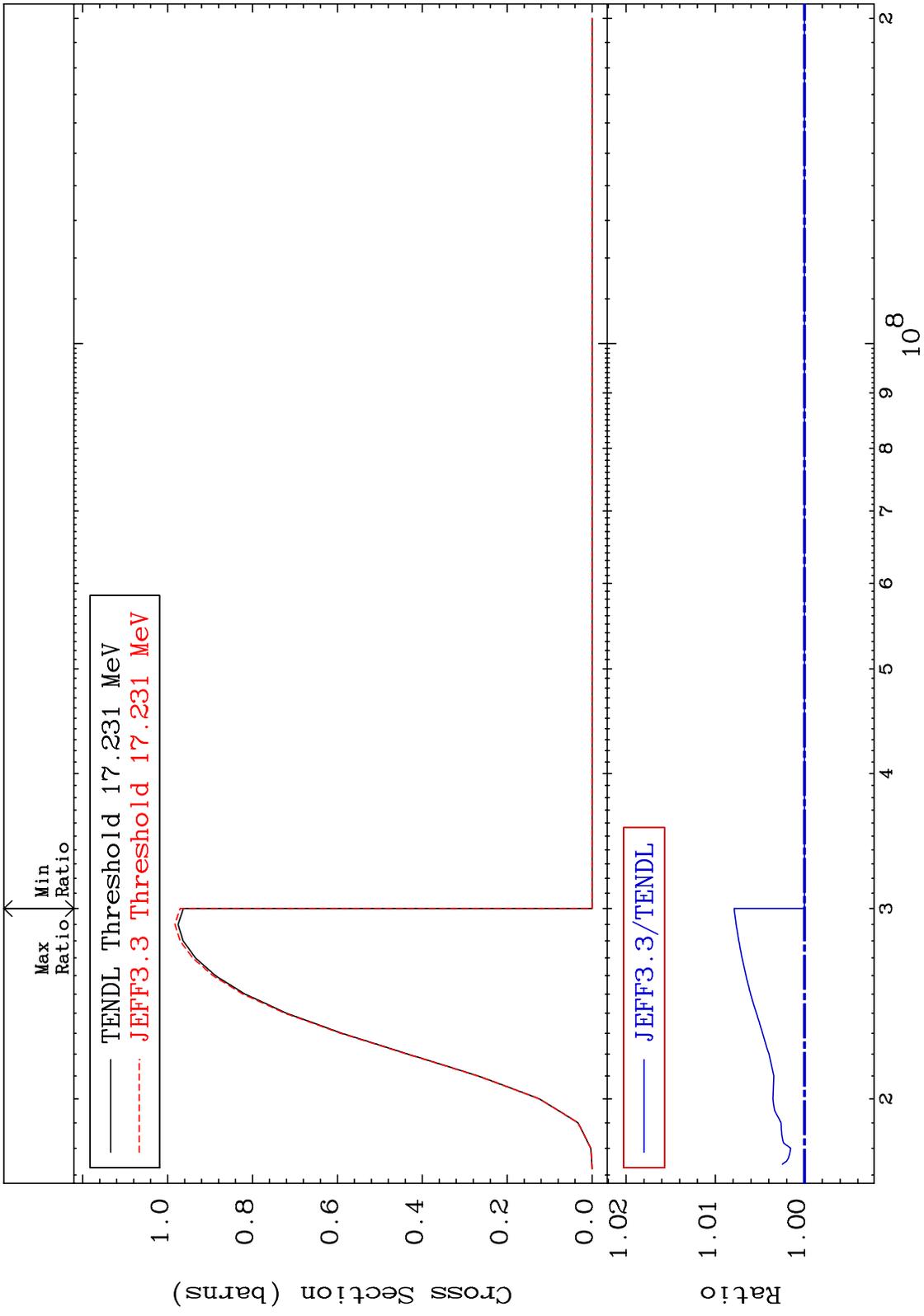
Cross Section



Incident Energy (eV)

52-Te-122

MAT 5231 (n,3n) Cross Section 52-Te-122 To 0.789 %



MAT 5231

(n, n') α

52-Te-122

-26.39 To 9999. %

Cross Section

Max Ratio

Min Ratio

TENDL Threshold 1.0955 MeV
JEFF3.3 Threshold 1.0955 MeV

Cross Section (milli-barns)

35

30

25

20

15

10

5

0

10^3

10^2

10^1

10^0

JEFF3.3/TENDL

Ratio

2

3

4

5

6

7

8

9

0

1

2

3

4

5

6

7

8

9

0

1

2

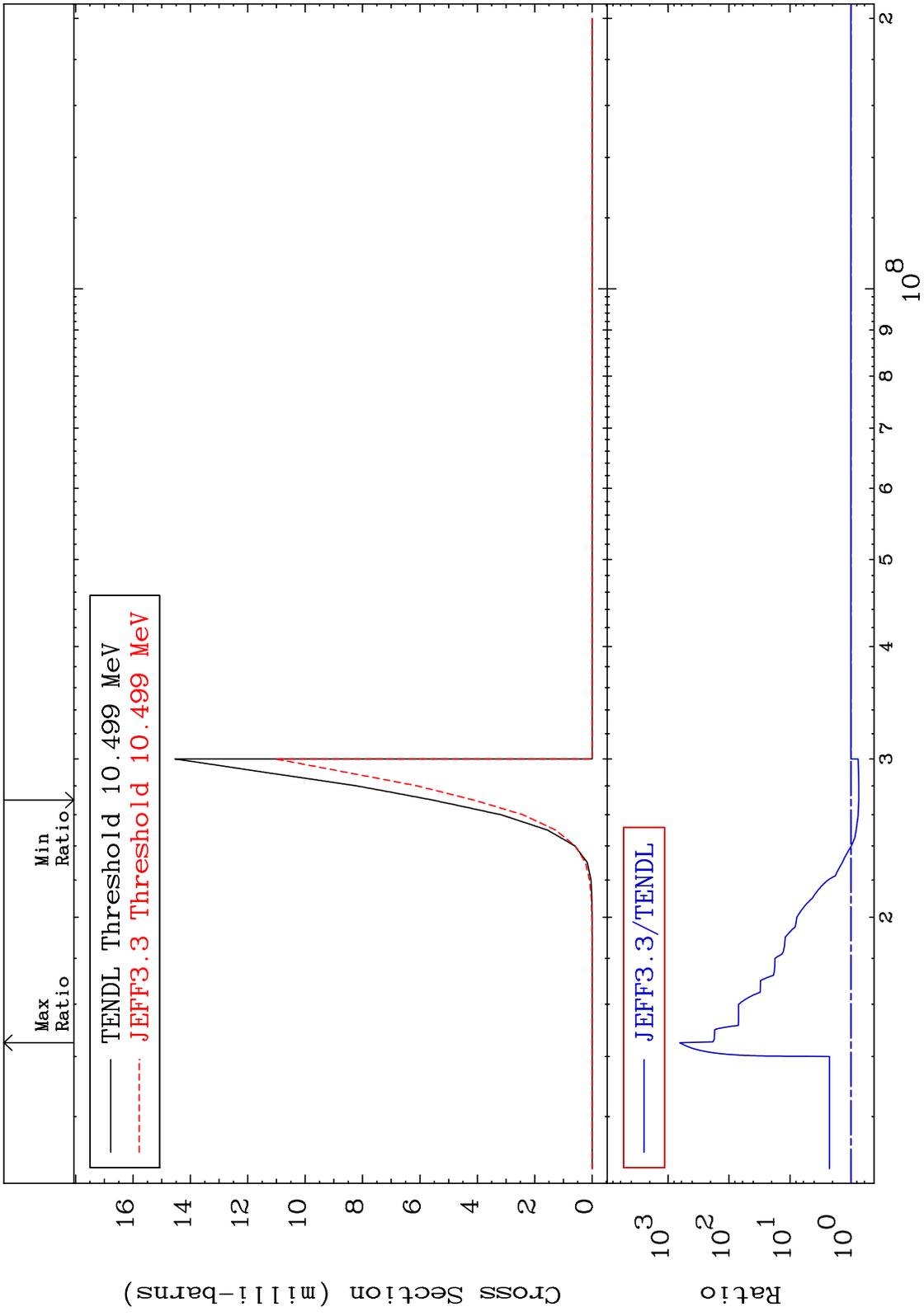
10^8

7

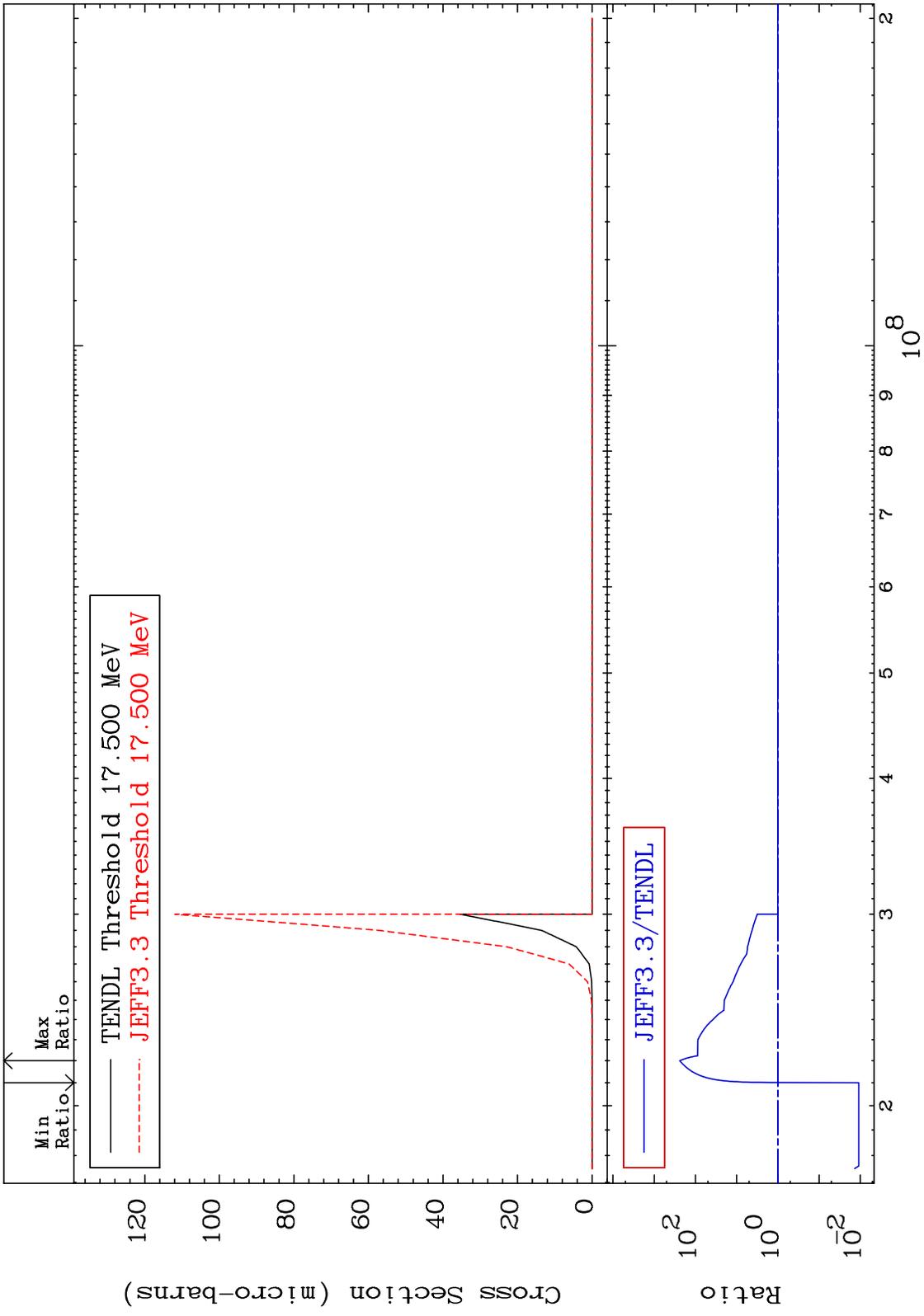
Incident Energy (eV)

52-Te-122

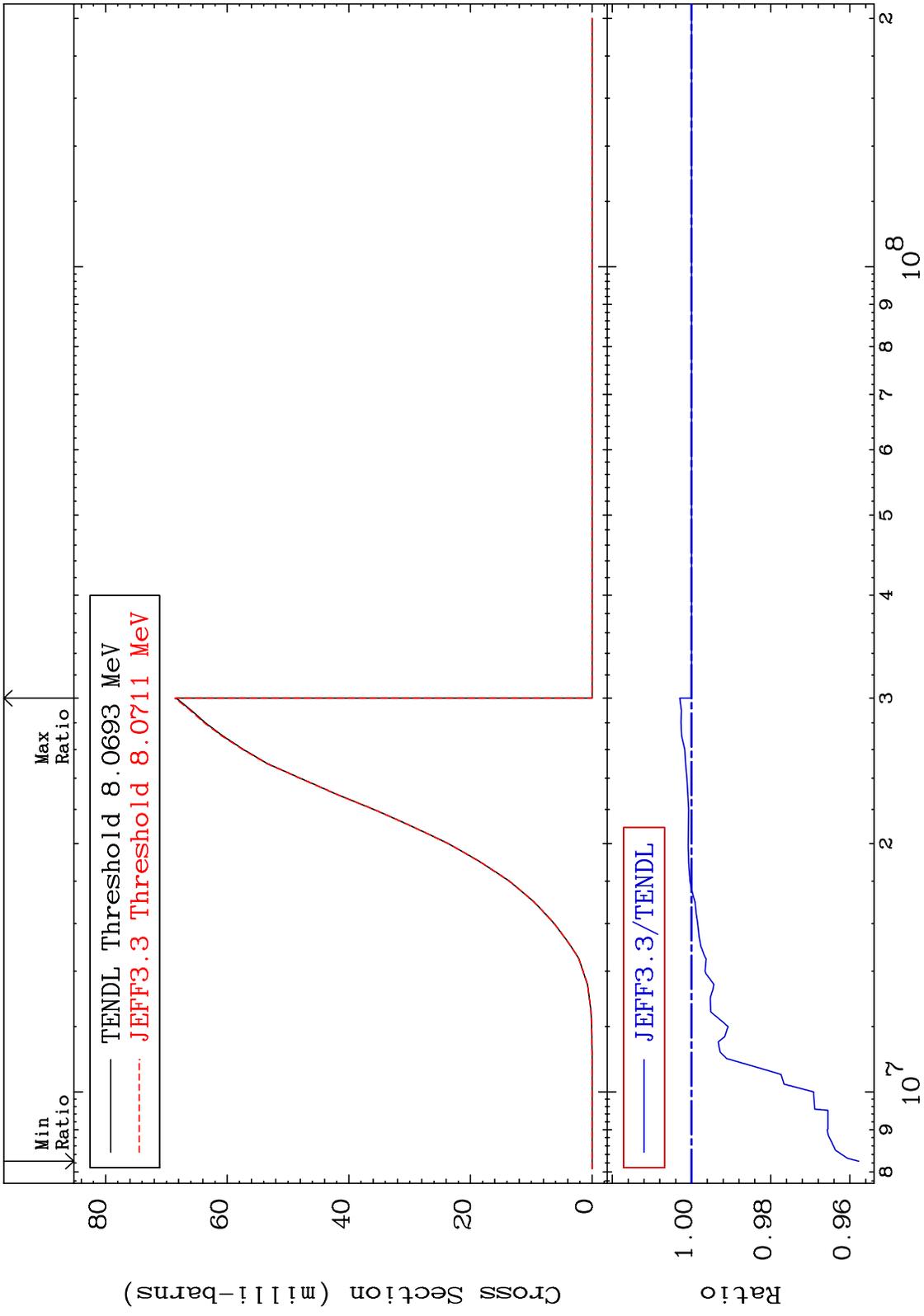
MAT 5231 (n,2n) α 52-Te-122
 Cross Section -25.79 To 9999. %



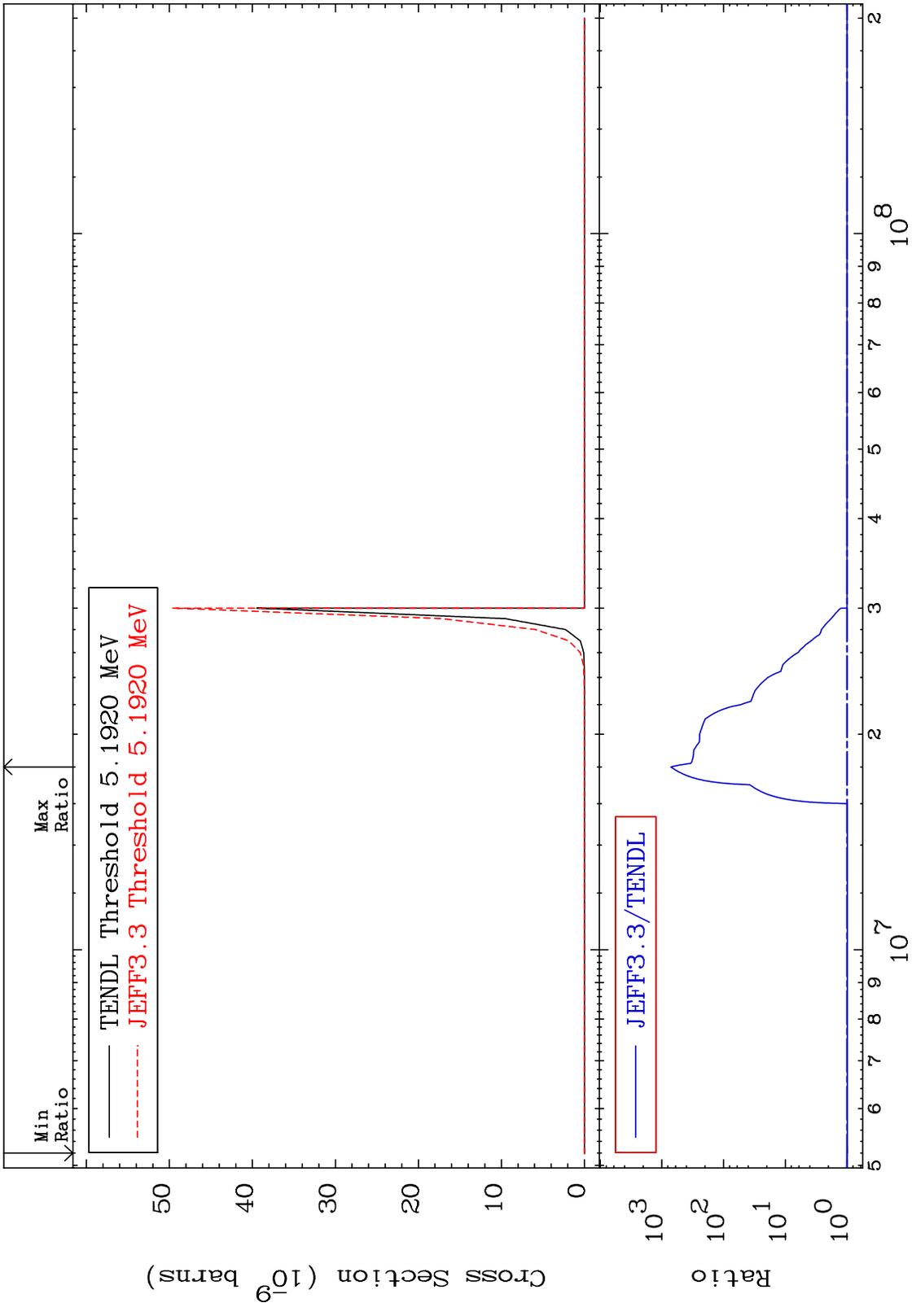
MAT 5231 (n,3n) α 52-Te-122
 Cross Section -98.92 To 9999. %



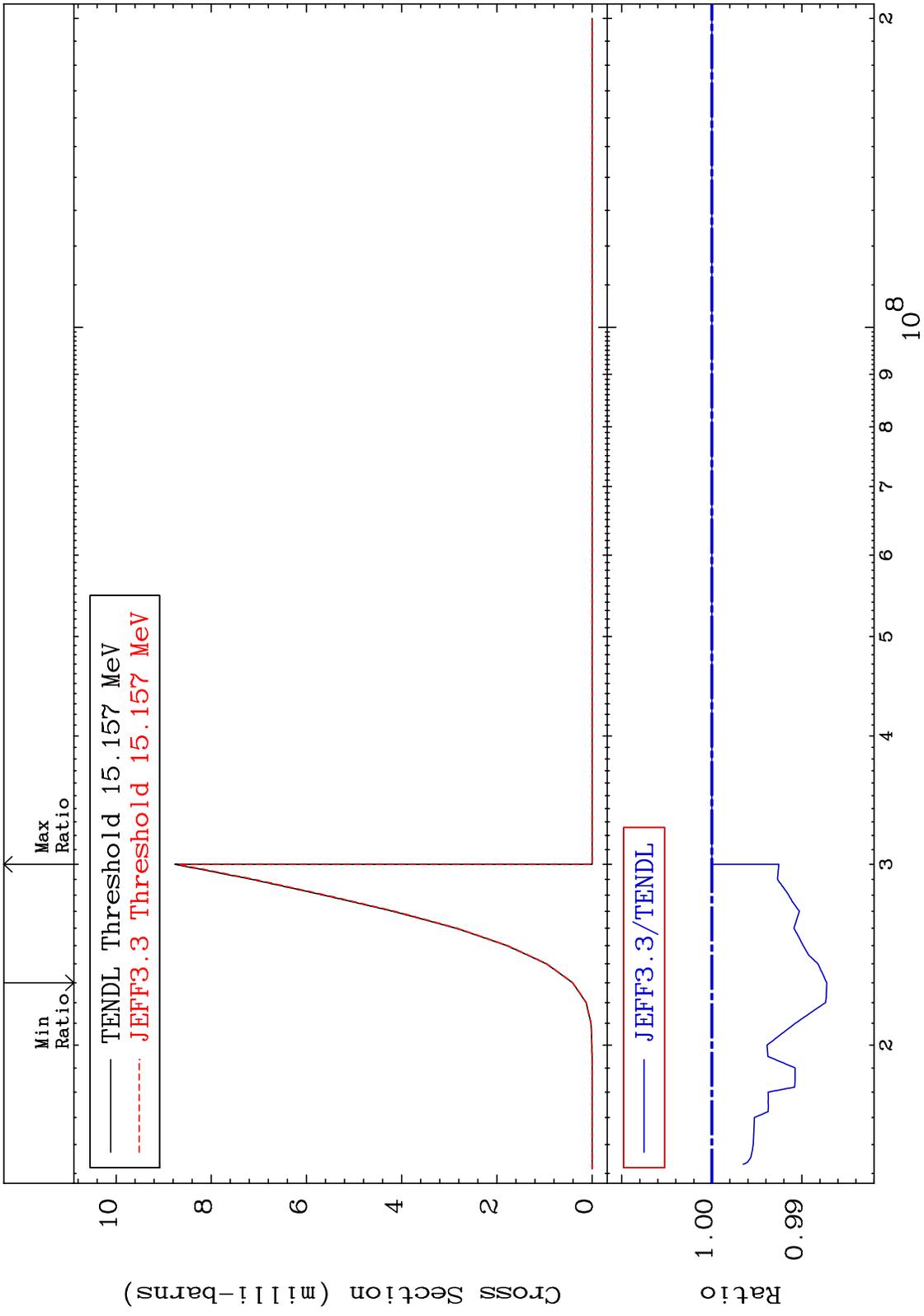
MAT 5231 (n, n') p 52-Te-122
 Cross Section -4.226 To 0.297 %



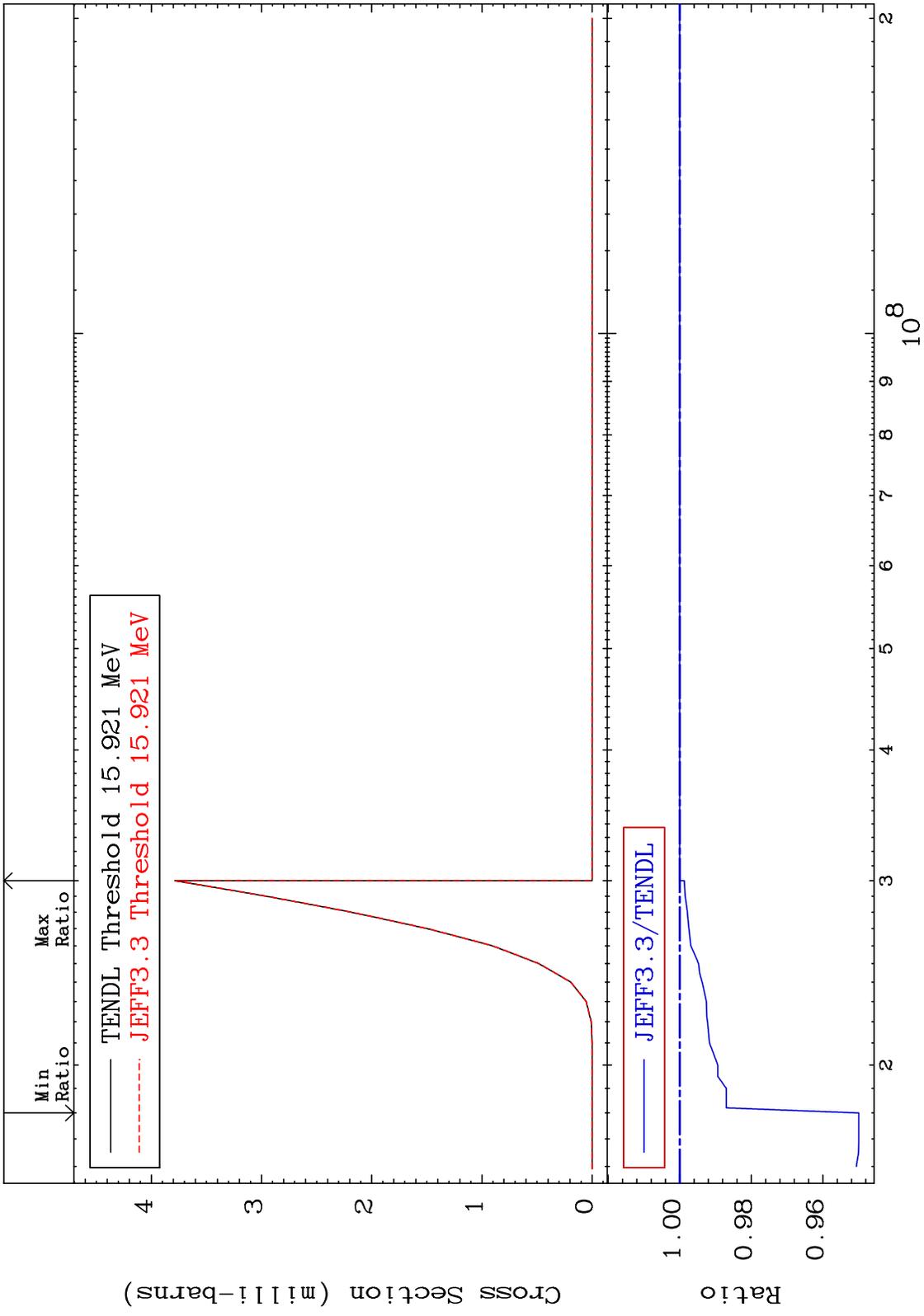
MAT 5231 (n,n') 2α 52-Te-122
 Cross Section -2.400 To 9999. %



MAT 5231 (n, n') d 52-Te-122
 Cross Section -1.275 To 0.000 %

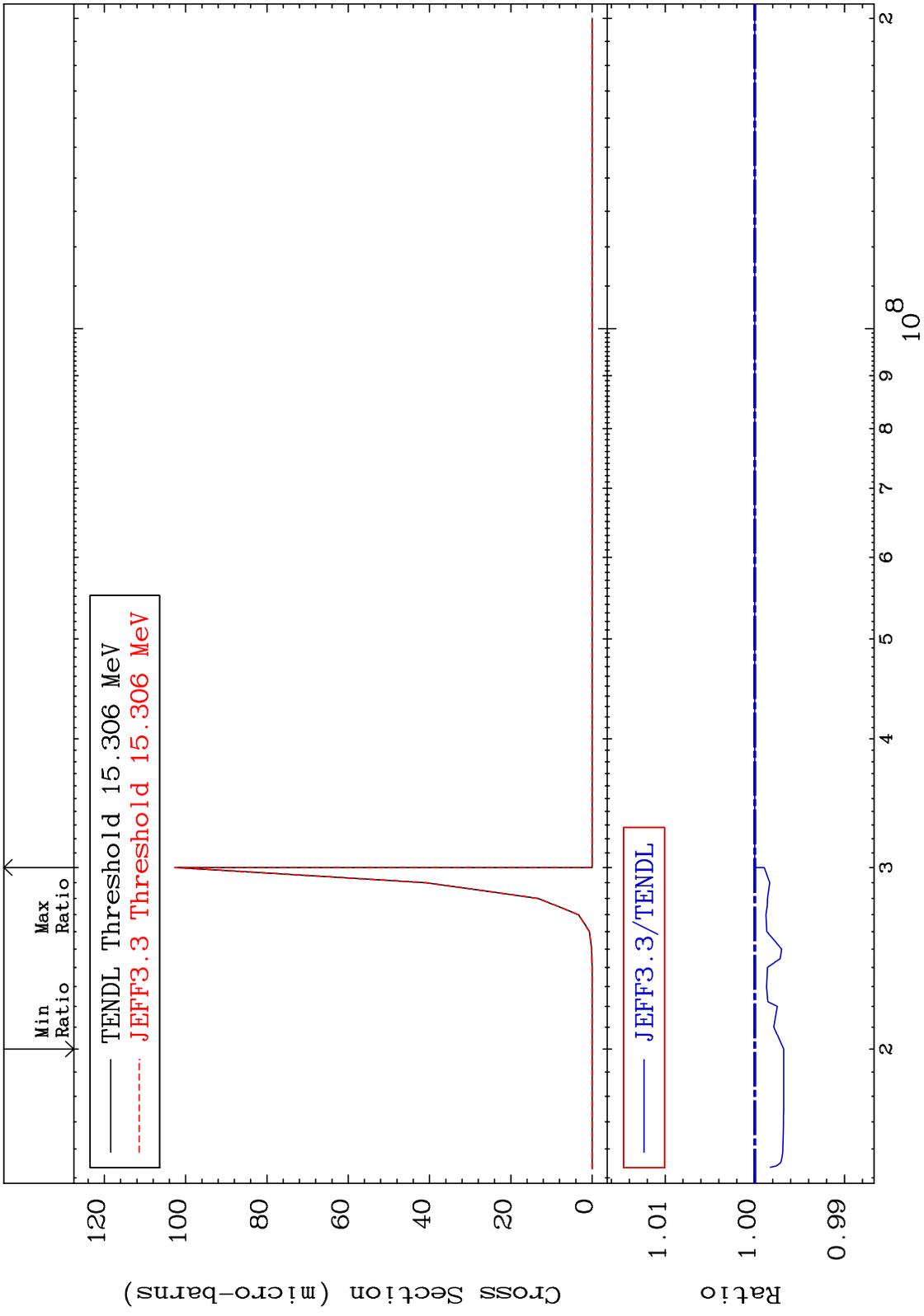


MAT 5231 (n,n') t 52-Te-122
 Cross Section -5.003 To 0.000 %

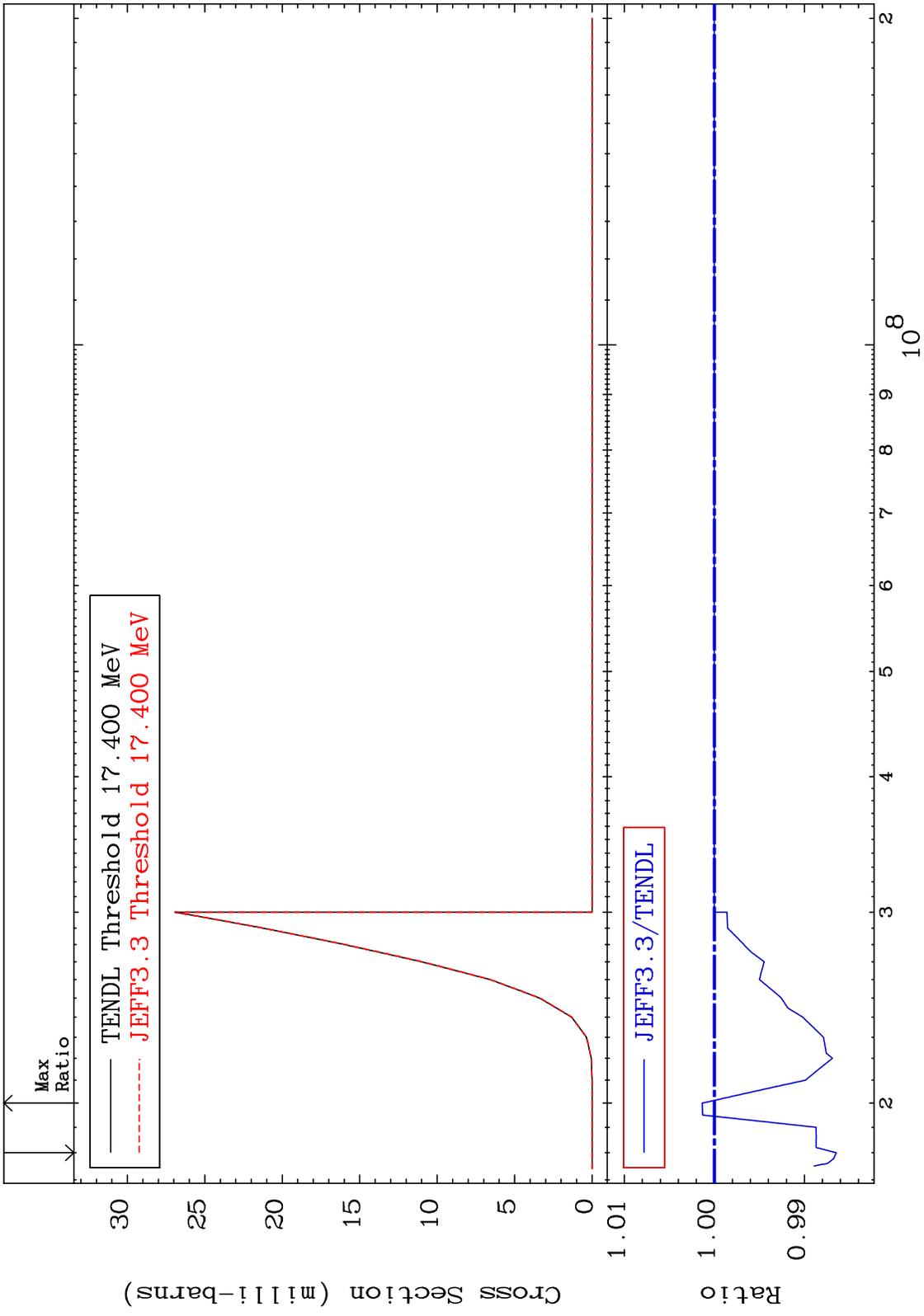


13 Incident Energy (eV) 52-Te-122

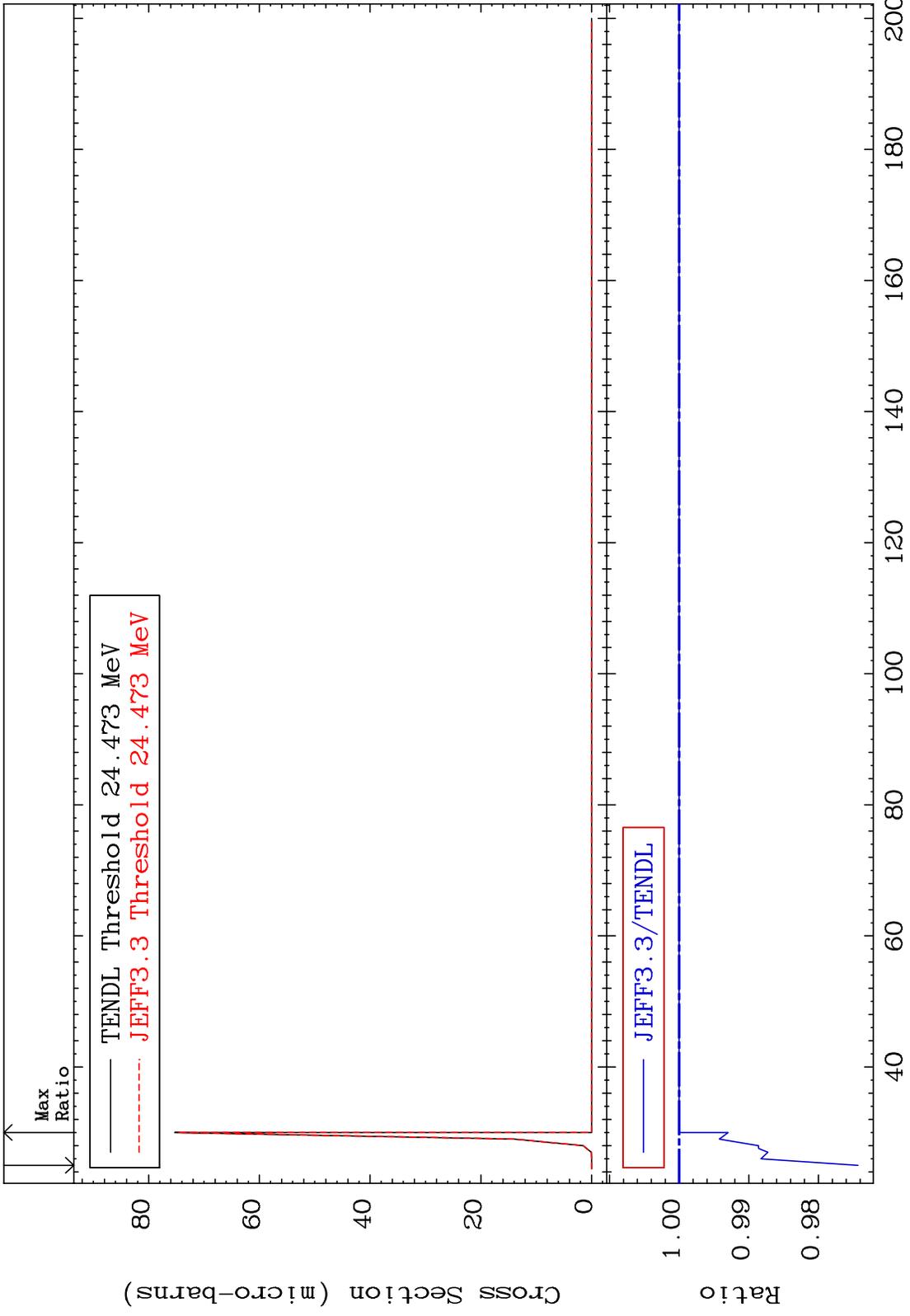
MAT 5231 (n, n') He-3 52-Te-122
 Cross Section -0.323 To 0.000 %



MAT 5231 (n,2n) p 52-Te-122
 Cross Section -1.354 To 0.135 %

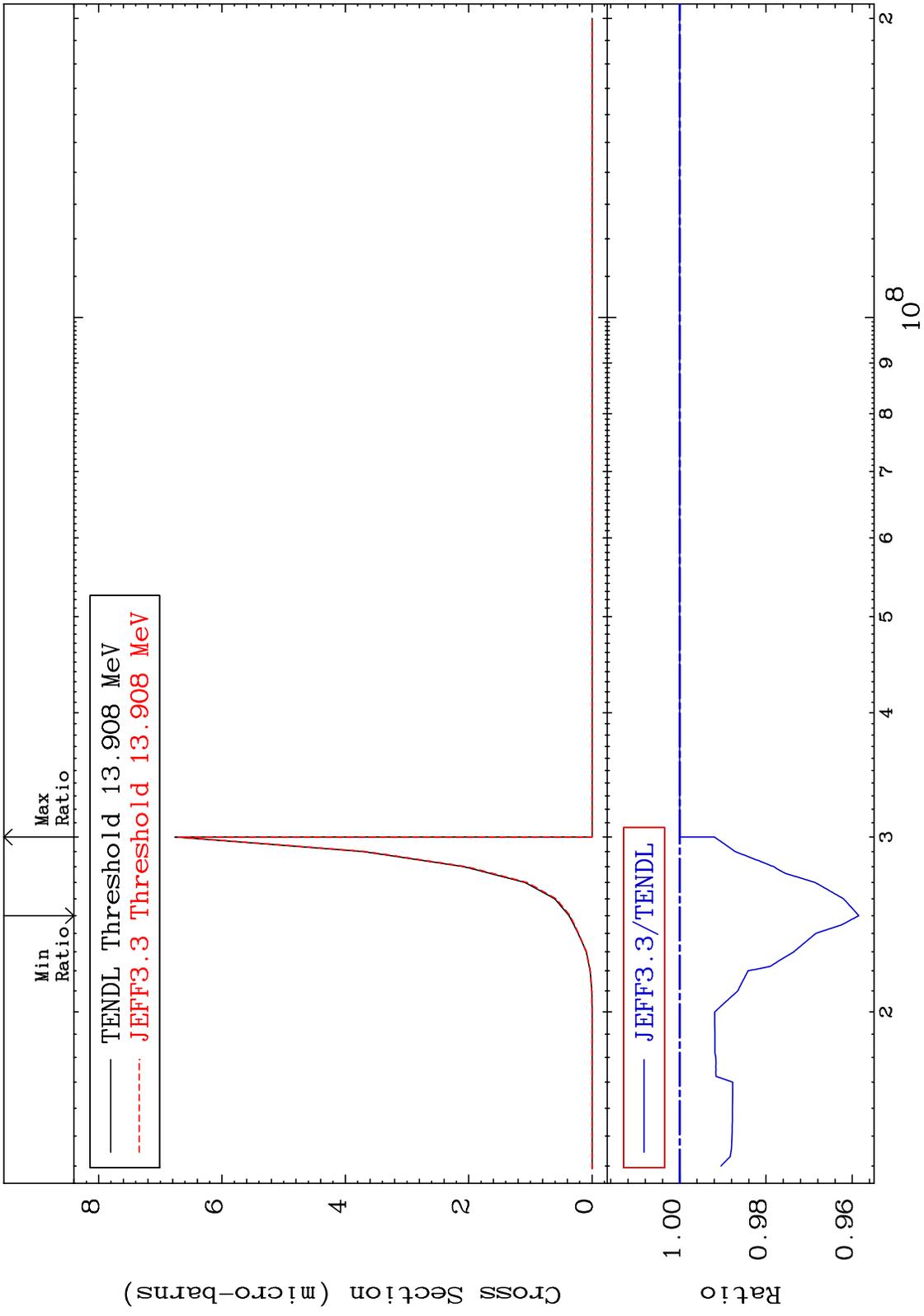


MAT 5231 (n,3n) p 52-Te-122
Cross Section -2.570 To 0.000 %

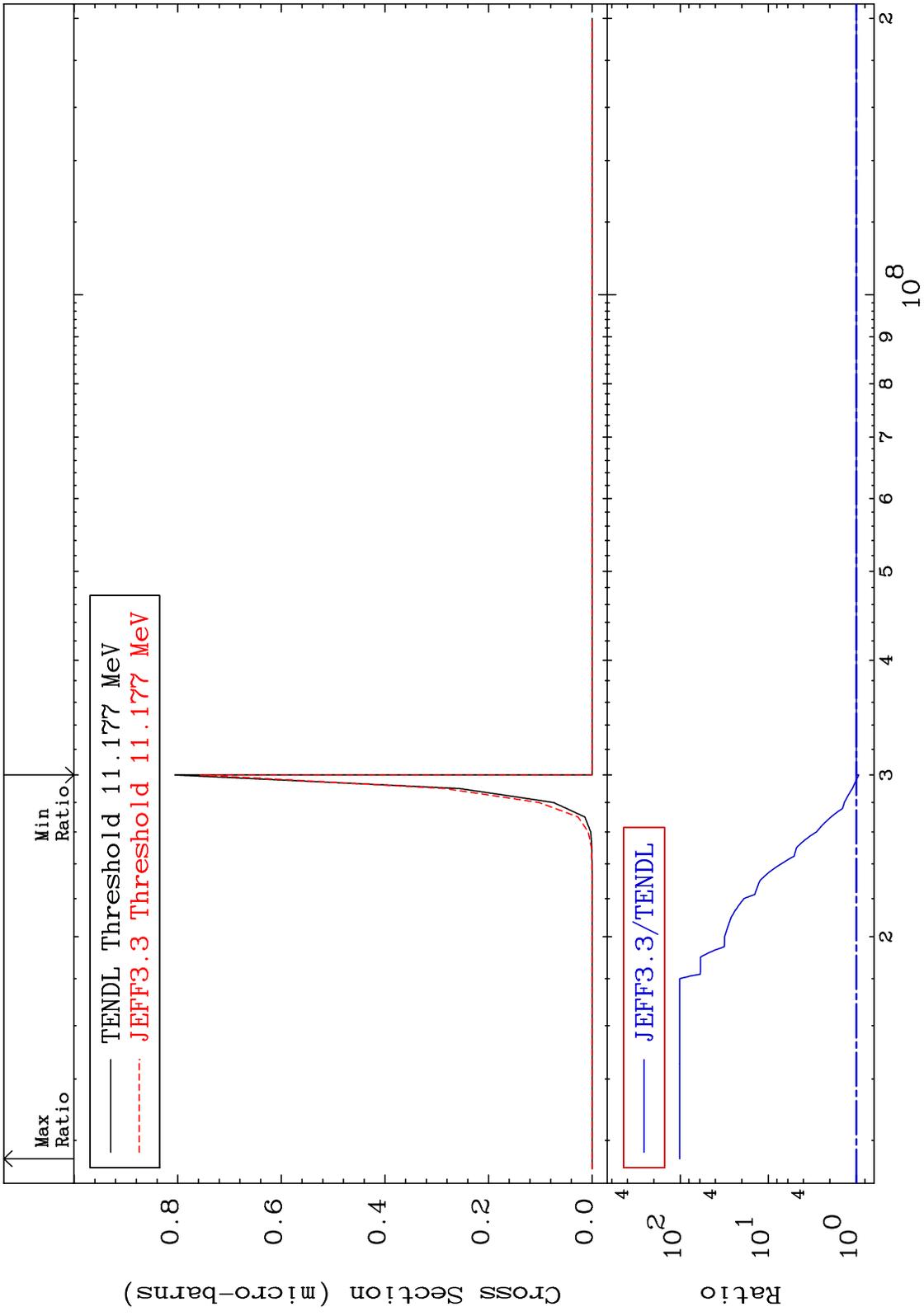


17 52-Te-122

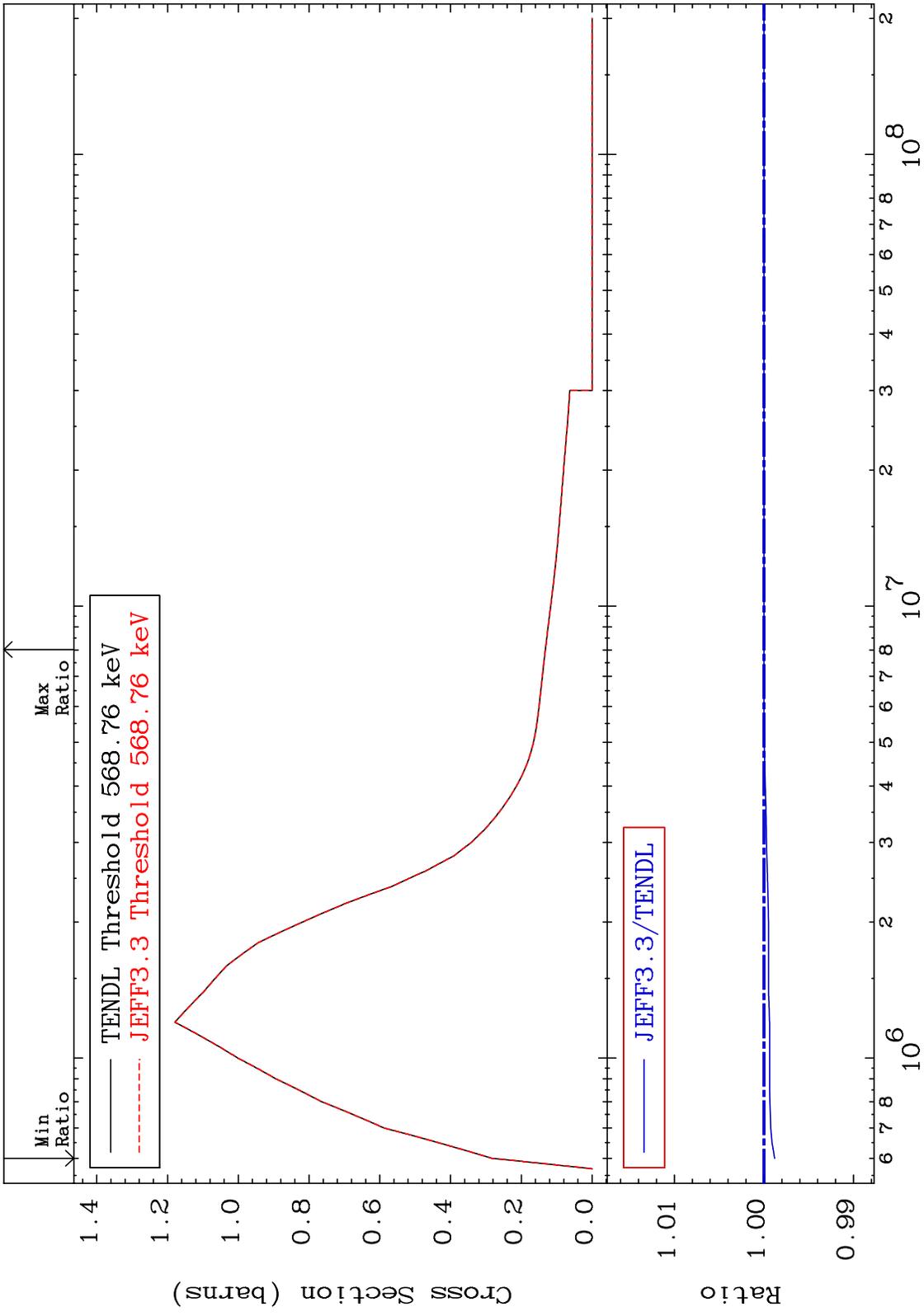
MAT 5231 (n,2n) p 52-Te-122
 Cross Section -4.151 To 0.000 %



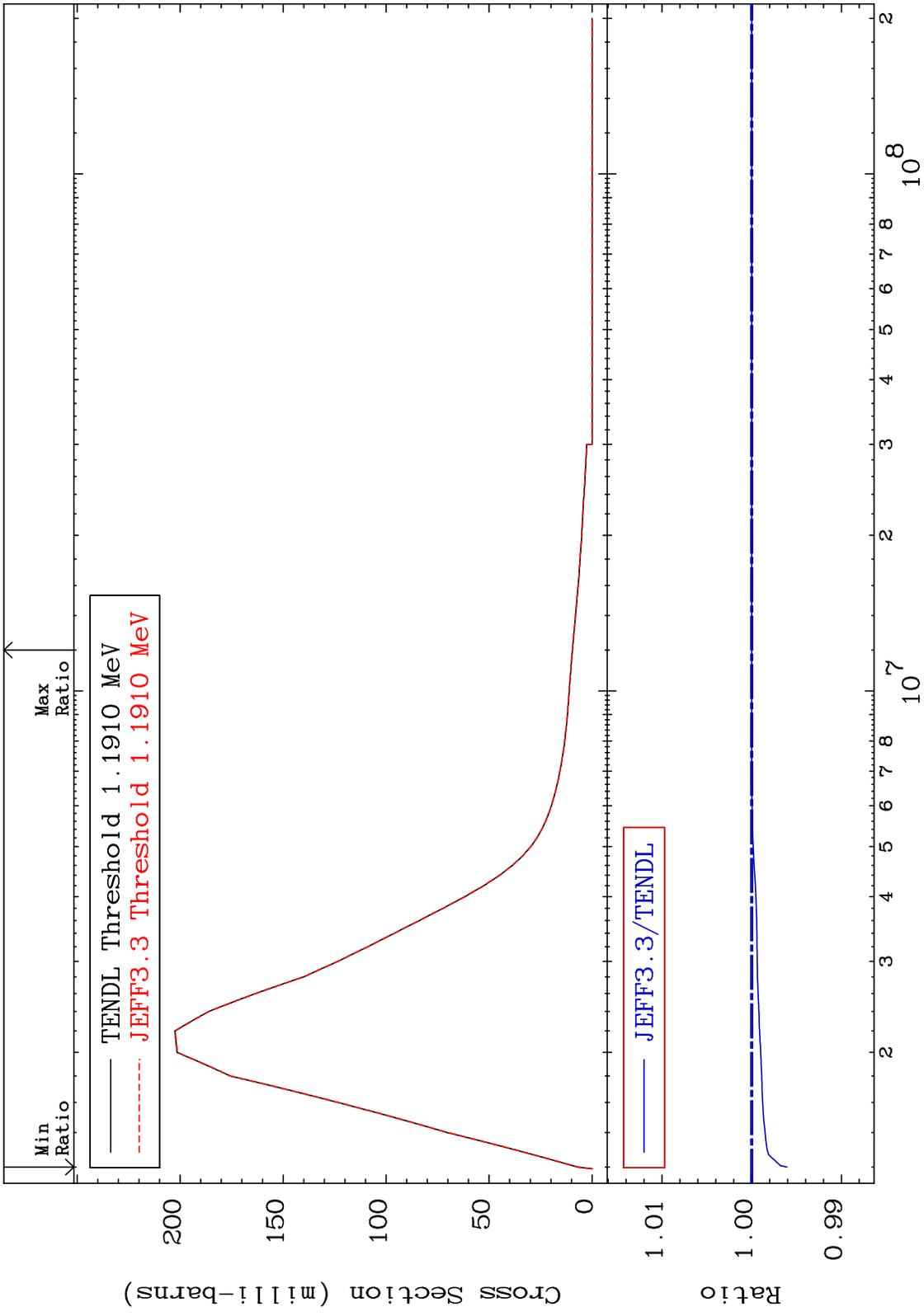
MAT 5231 (n,n') p α 52-Te-122
 Cross Section -6.009 To 9999. %



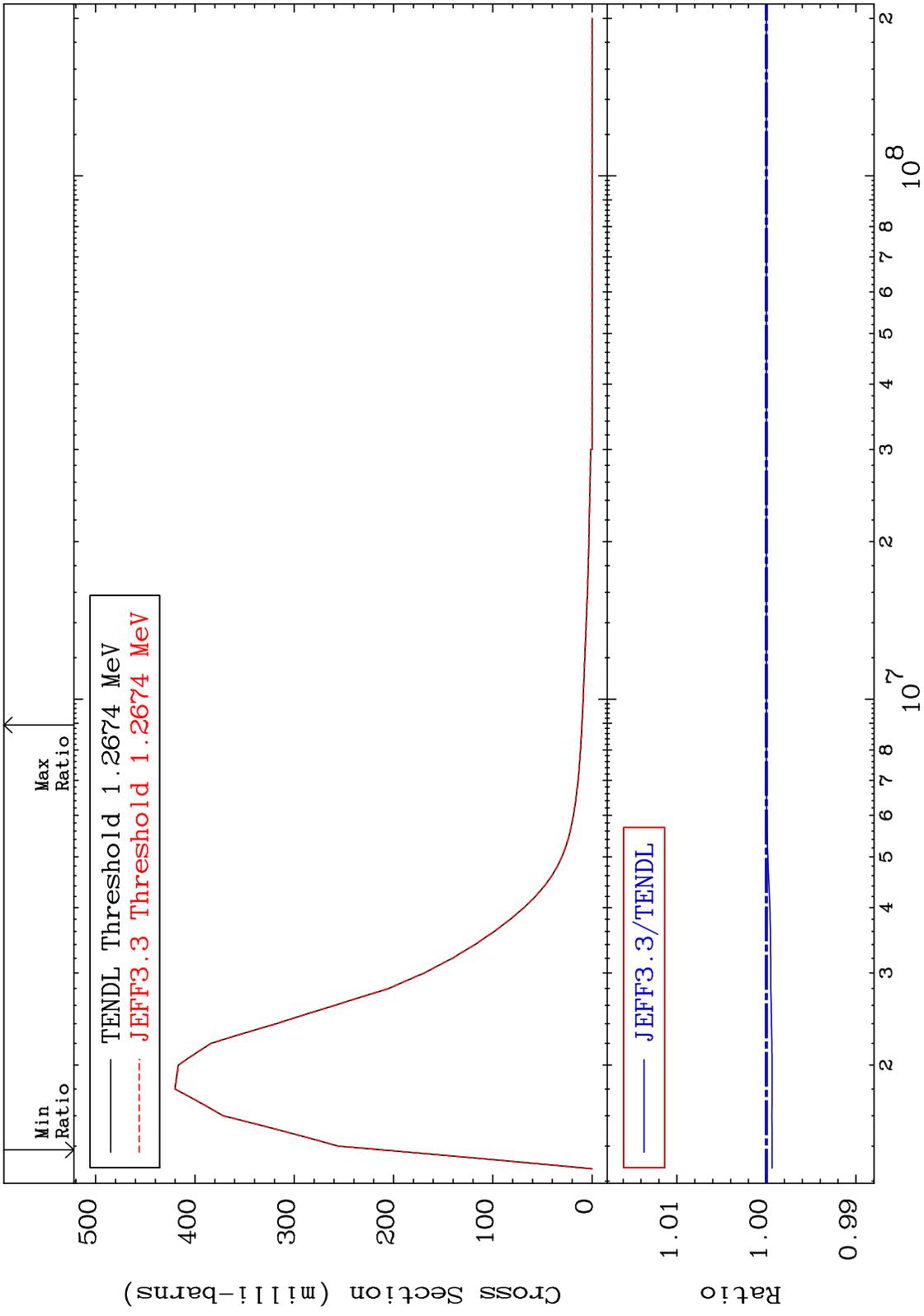
MAT 5231 MT= 51 (n,n') Level Cross Section -0.119 To 0.000 % 52-Te-122



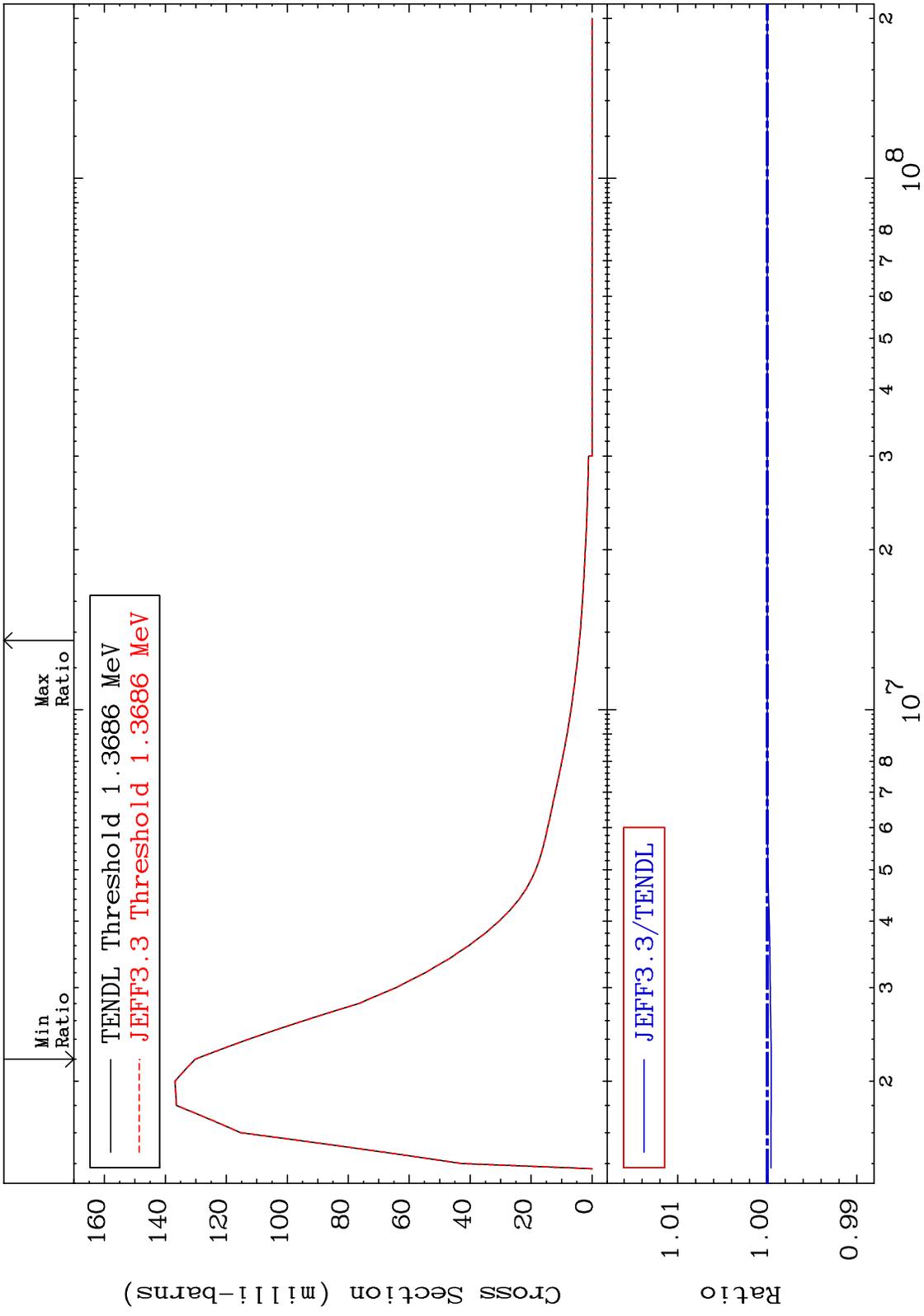
MAT 5231 MT= 52 (n,n') Level Cross Section 52-Te-122 -0.393 To 0.000 %



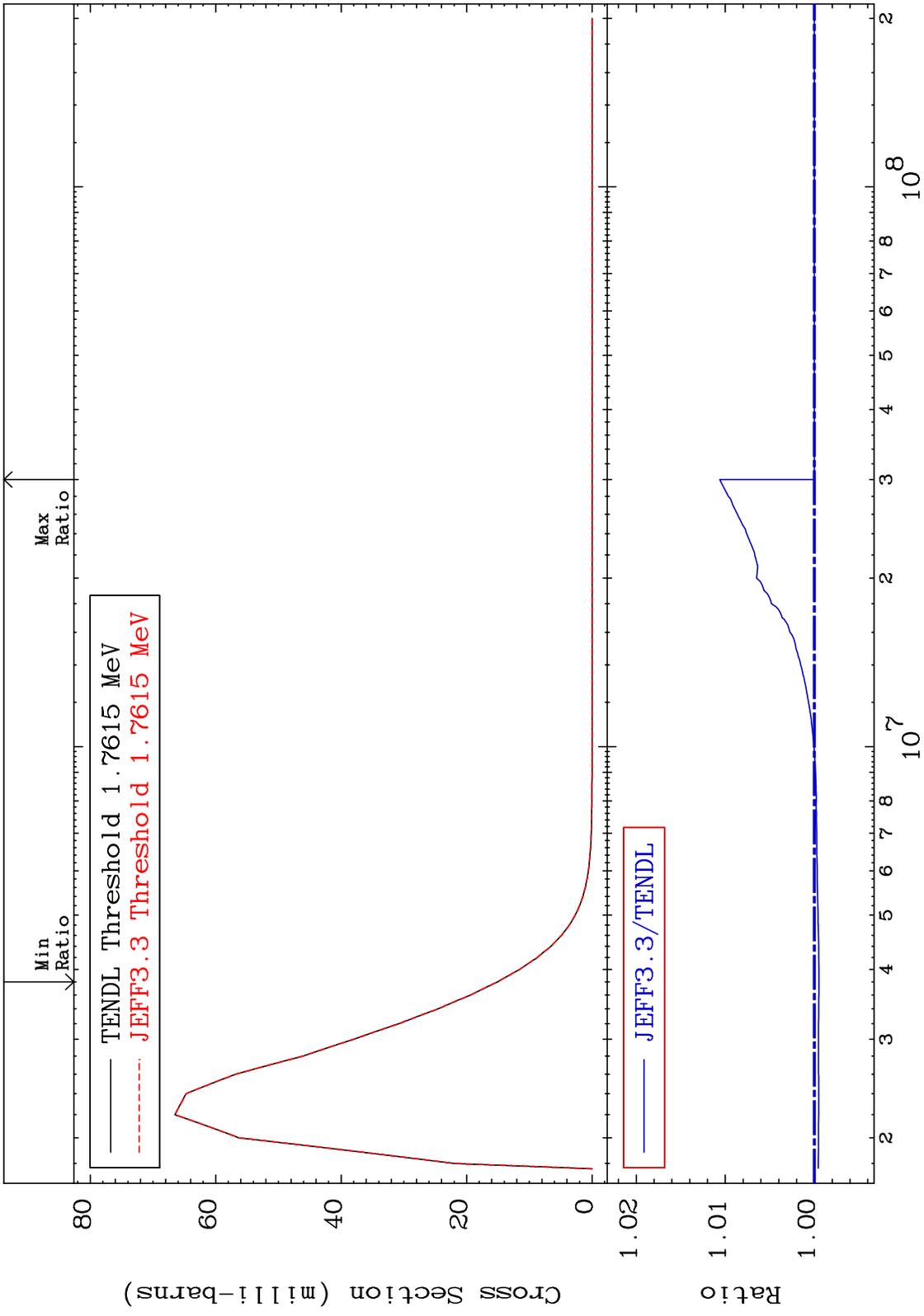
MAT 5231 MT= 53 (n,n') Level Cross Section 52-Te-122 -0.064 To 0.000 %



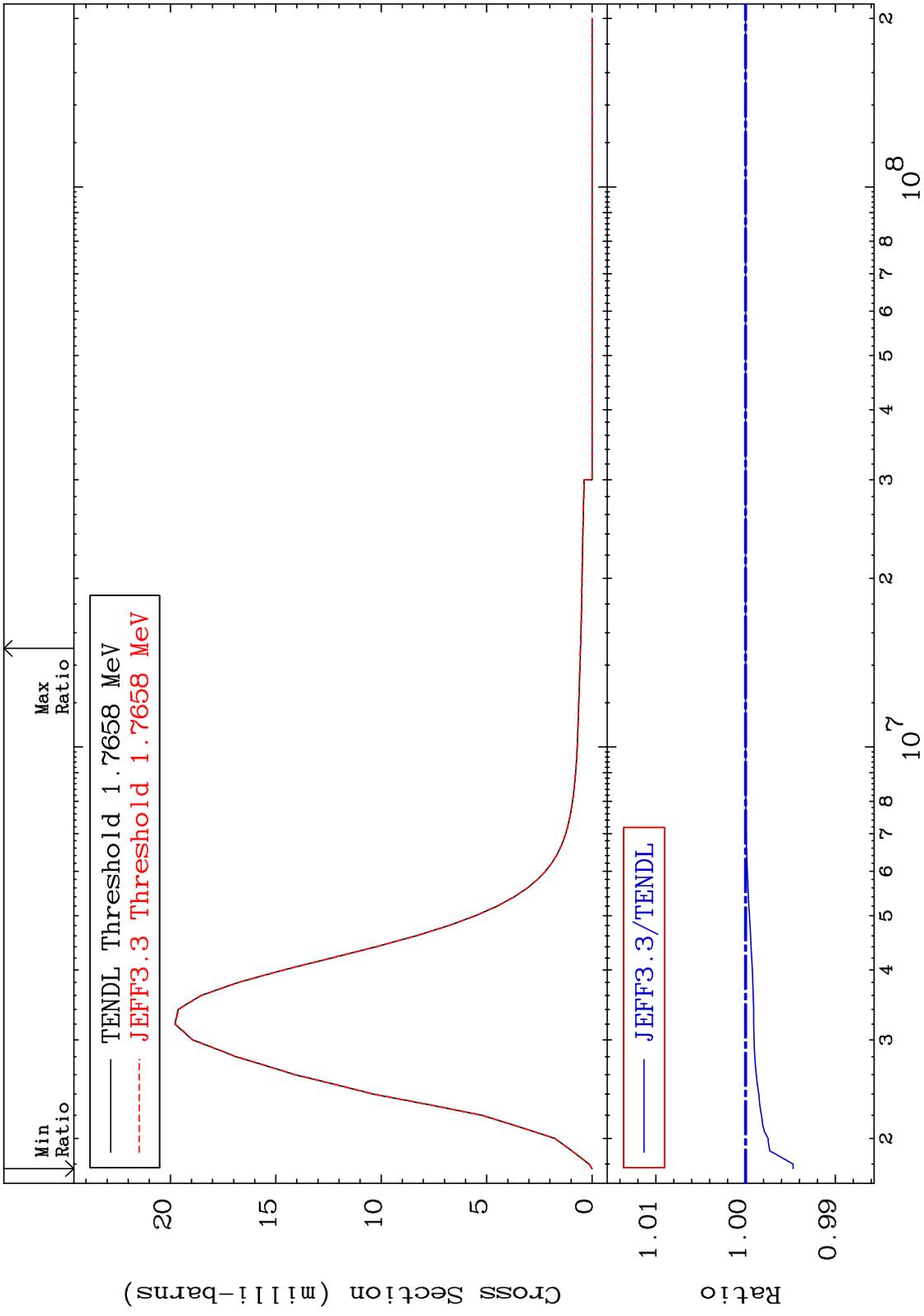
MAT 5231 MT= 54 (n,n') Level Cross Section 52-Te-122 -0.044 To 0.000 %



MAT 5231 MT= 55 (n,n') Level Cross Section 52-Te-122 -0.050 To 1.063 %



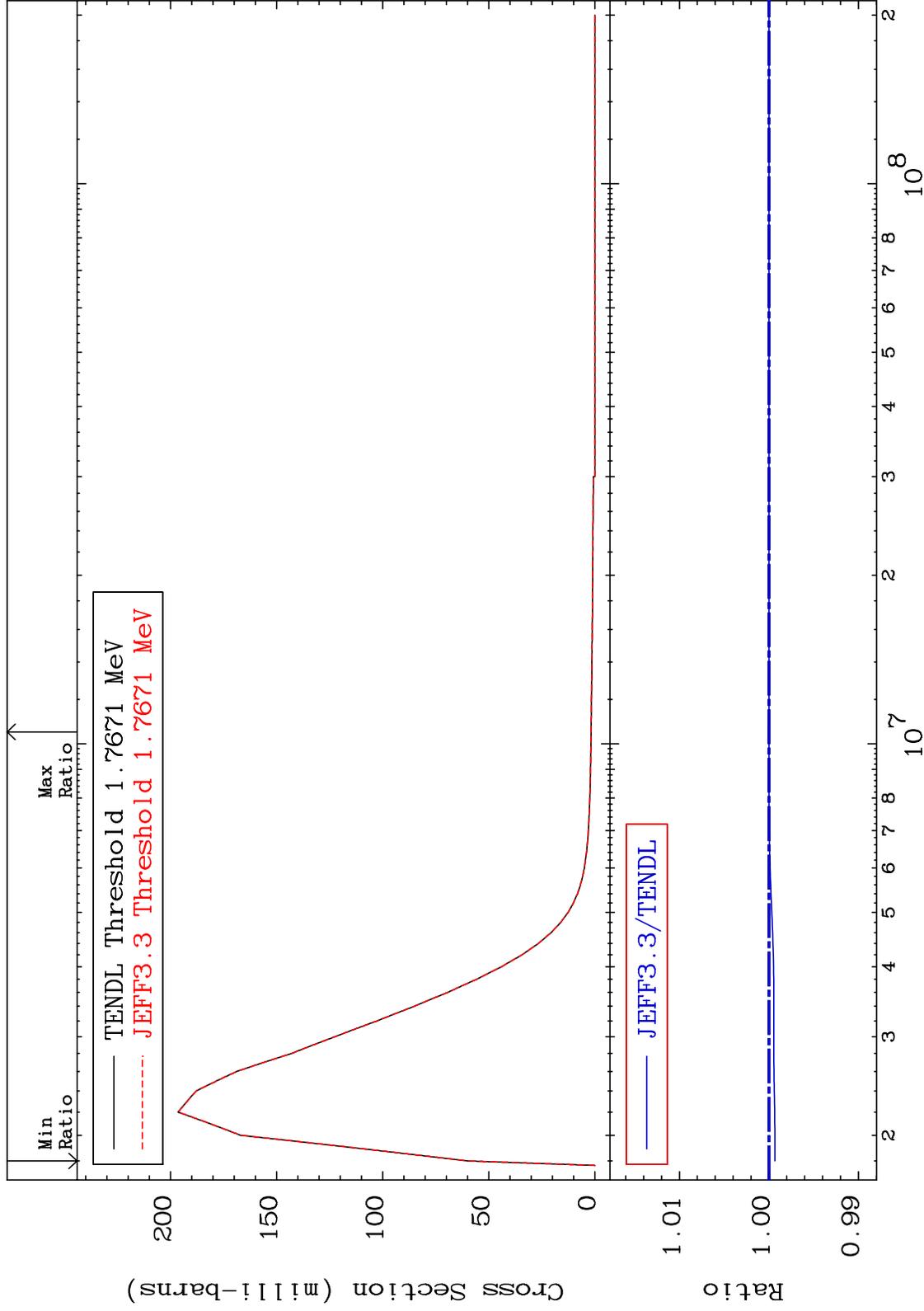
MAT 5231 MT= 56 (n,n') Level Cross Section 52-Te-122 -0.530 To 0.000 %



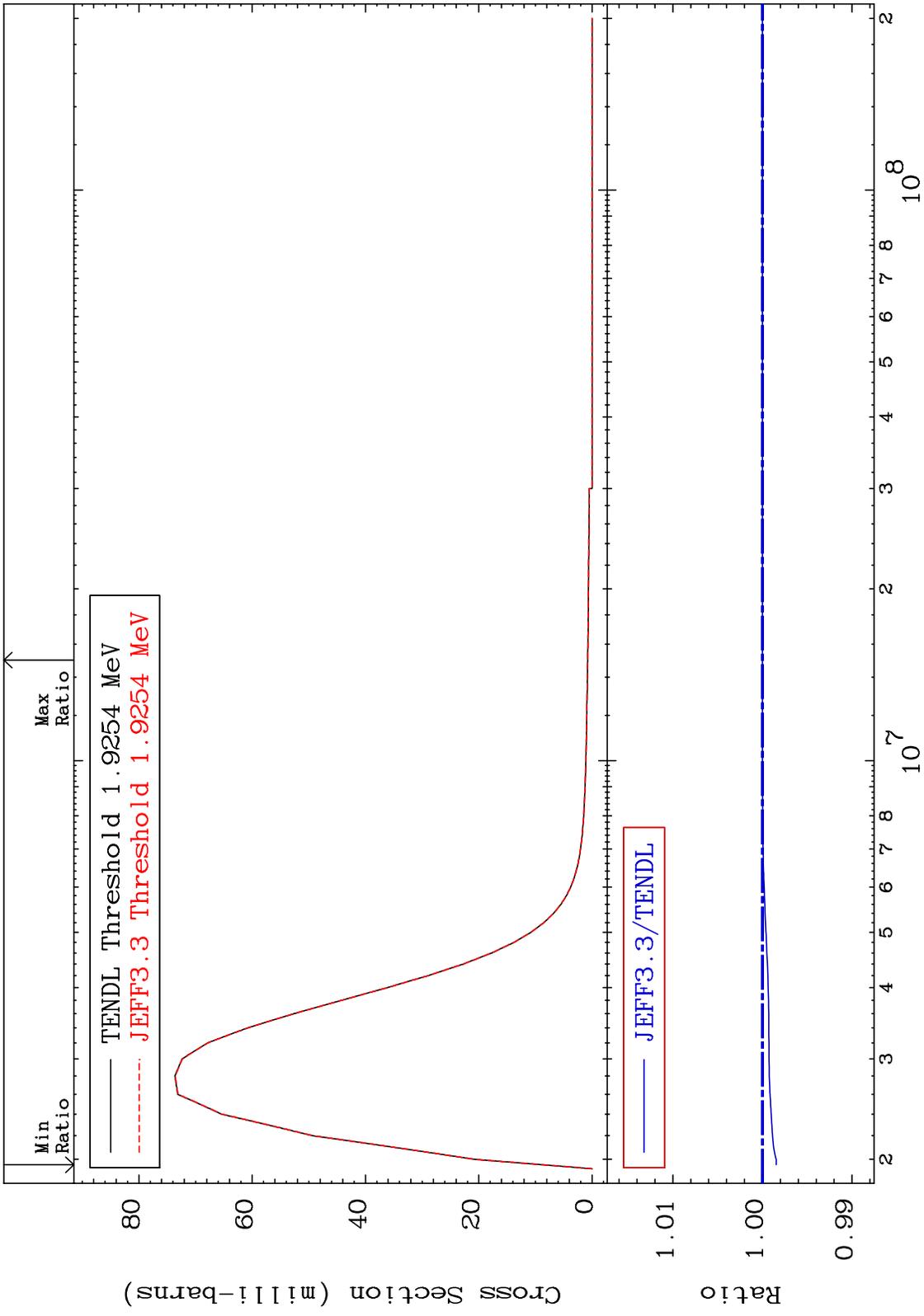
MAT 5231

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

52-Te-122
-0.067 To 0.000 %



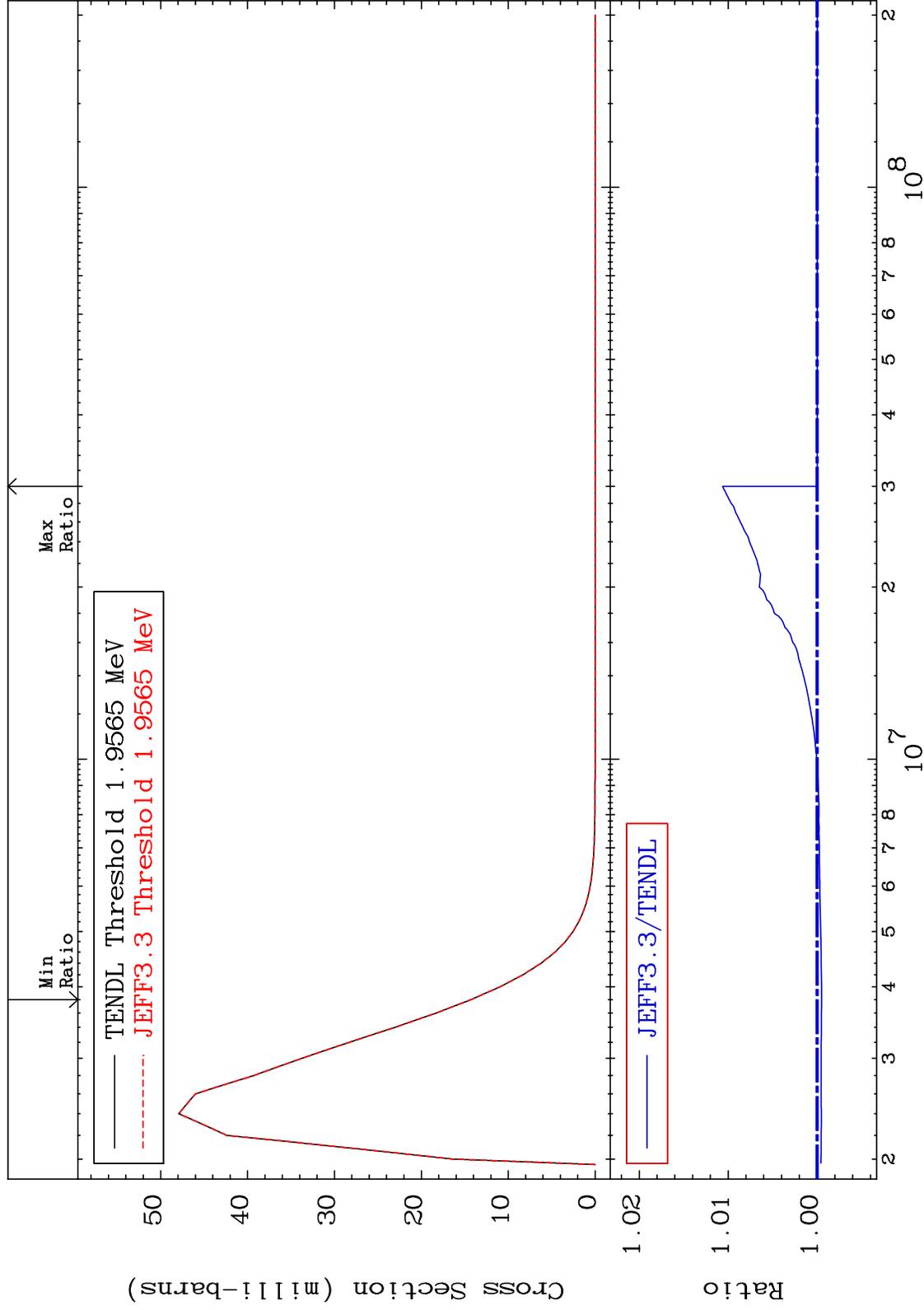
MAT 5231 MT= 58 (n,n') Level Cross Section 52-Te-122
 -0.153 To 0.000 %



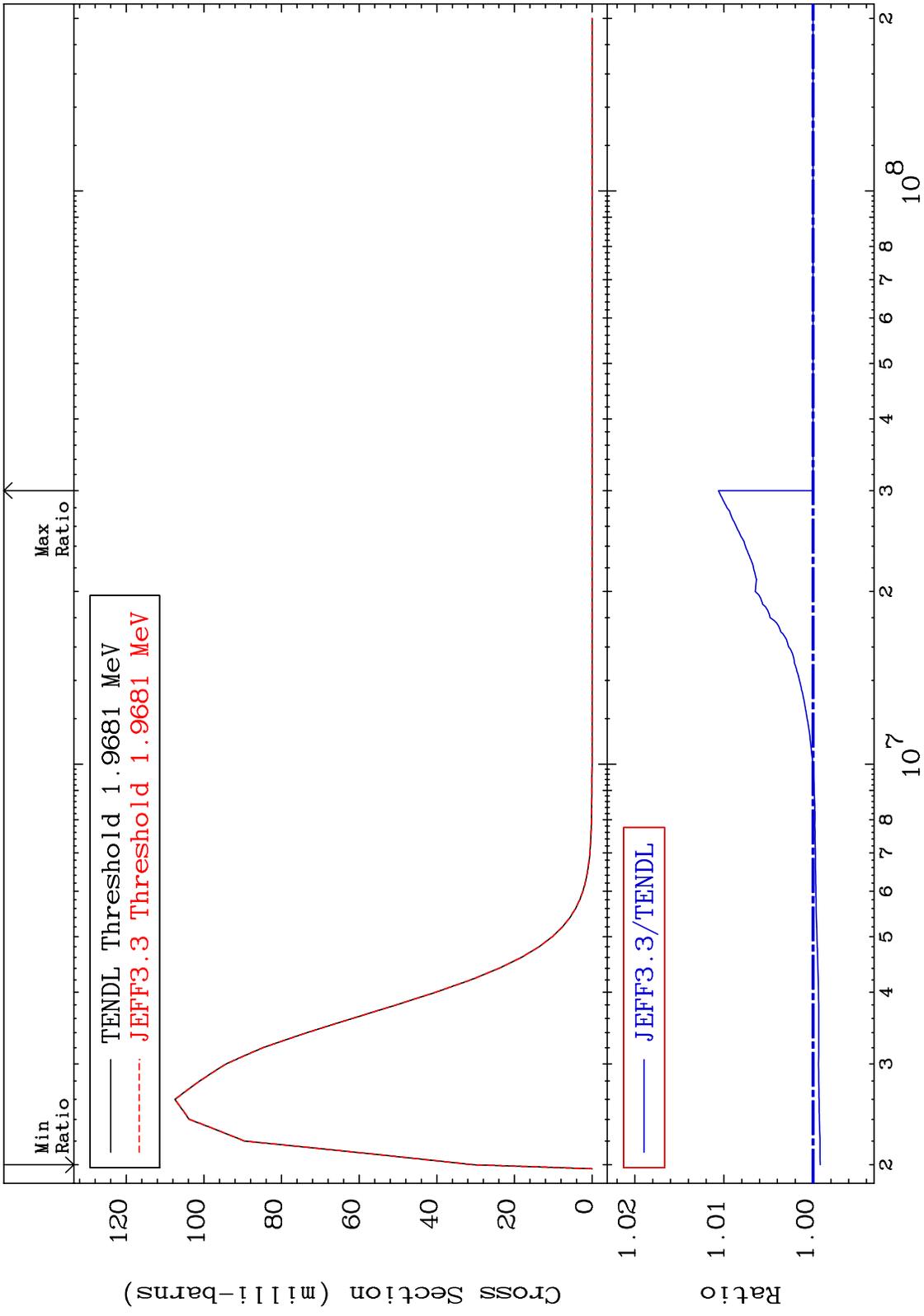
MAT 5231

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

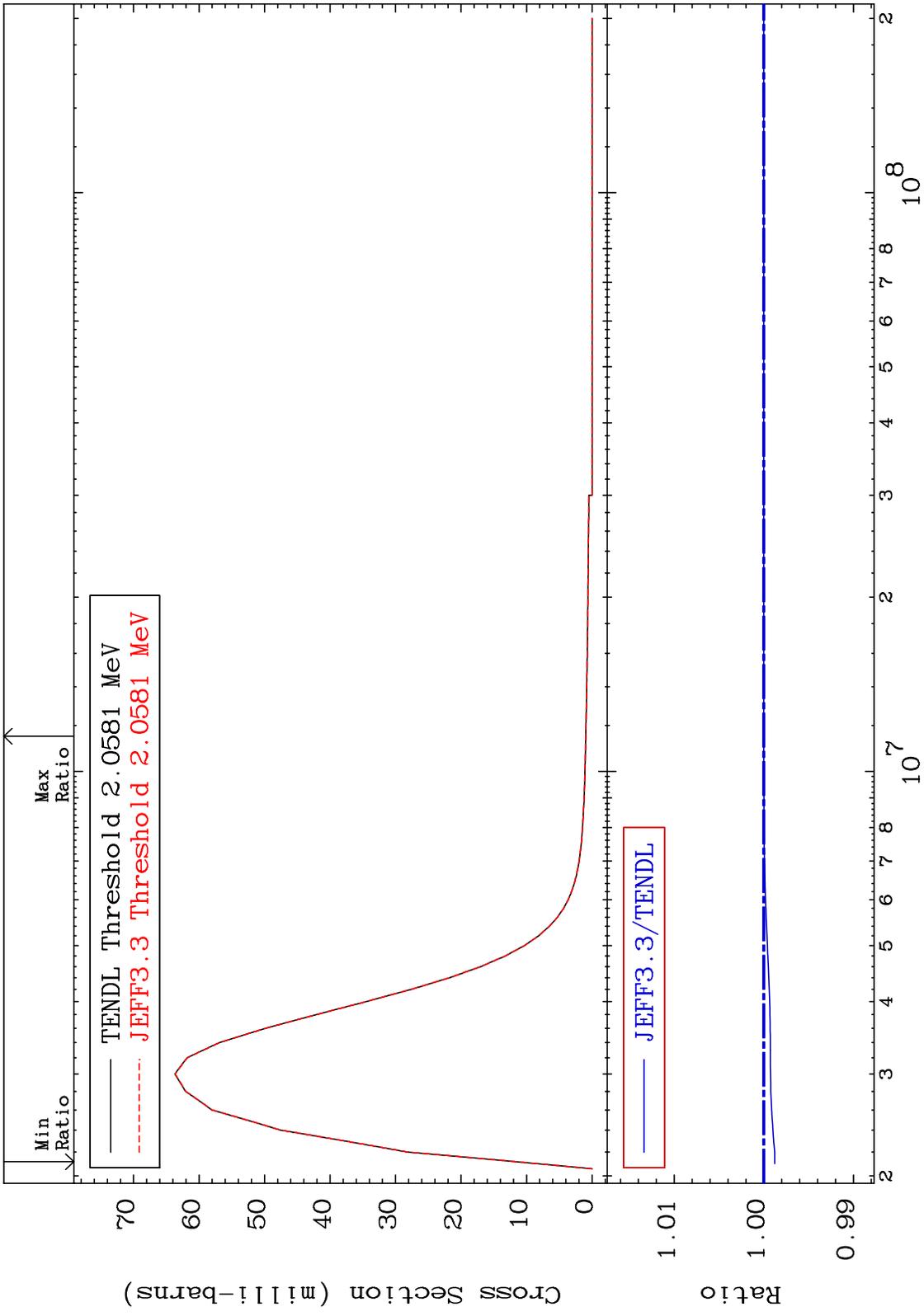
52-Te-122
-0.050 To 1.064 %



MAT 5231 MT= 60 (n,n') Level Cross Section 52-Te-122 -0.080 To 1.063 %



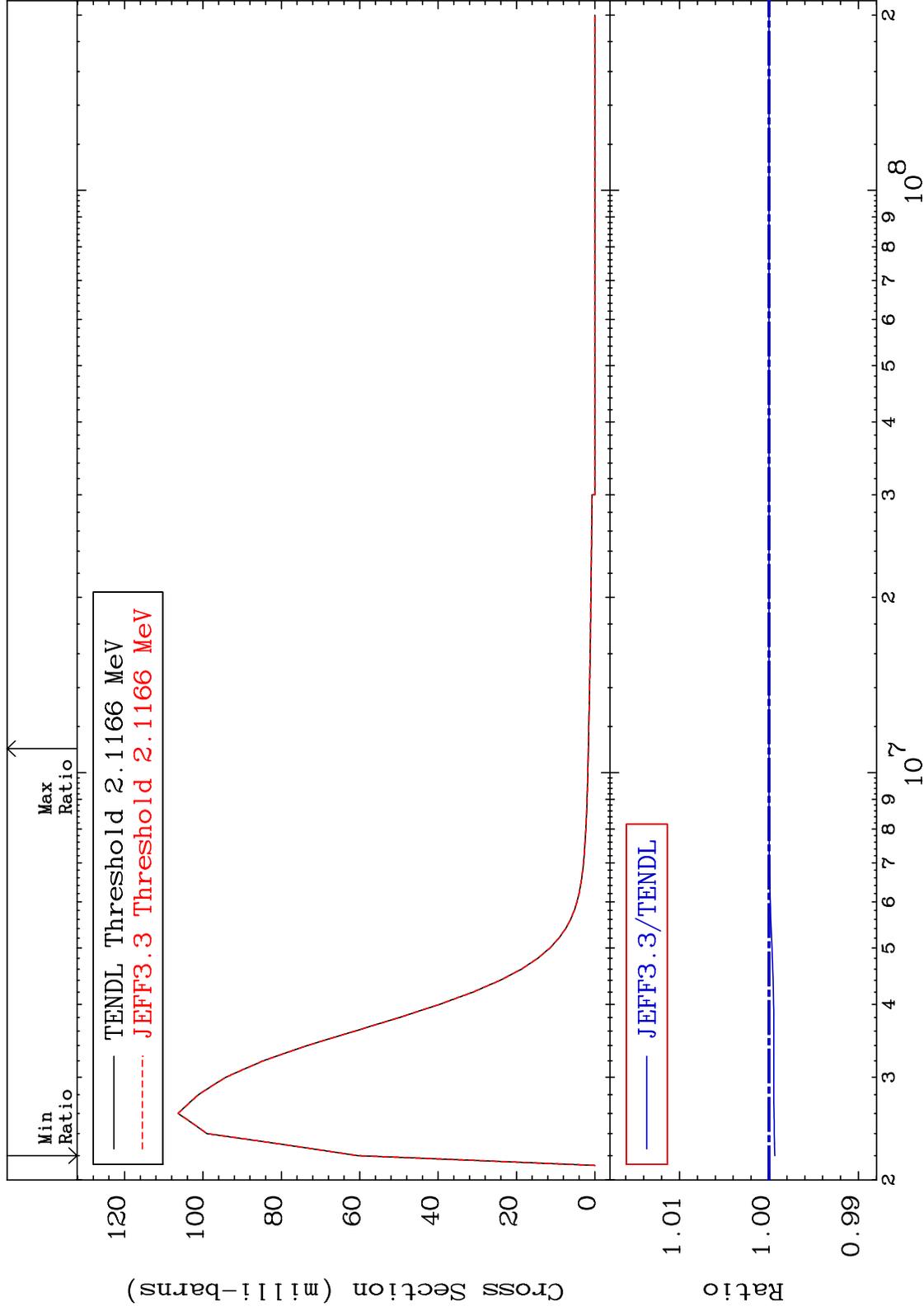
MAT 5231 MT= 61 (n,n') Level Cross Section 52-Te-122 -0.122 To 0.000 %



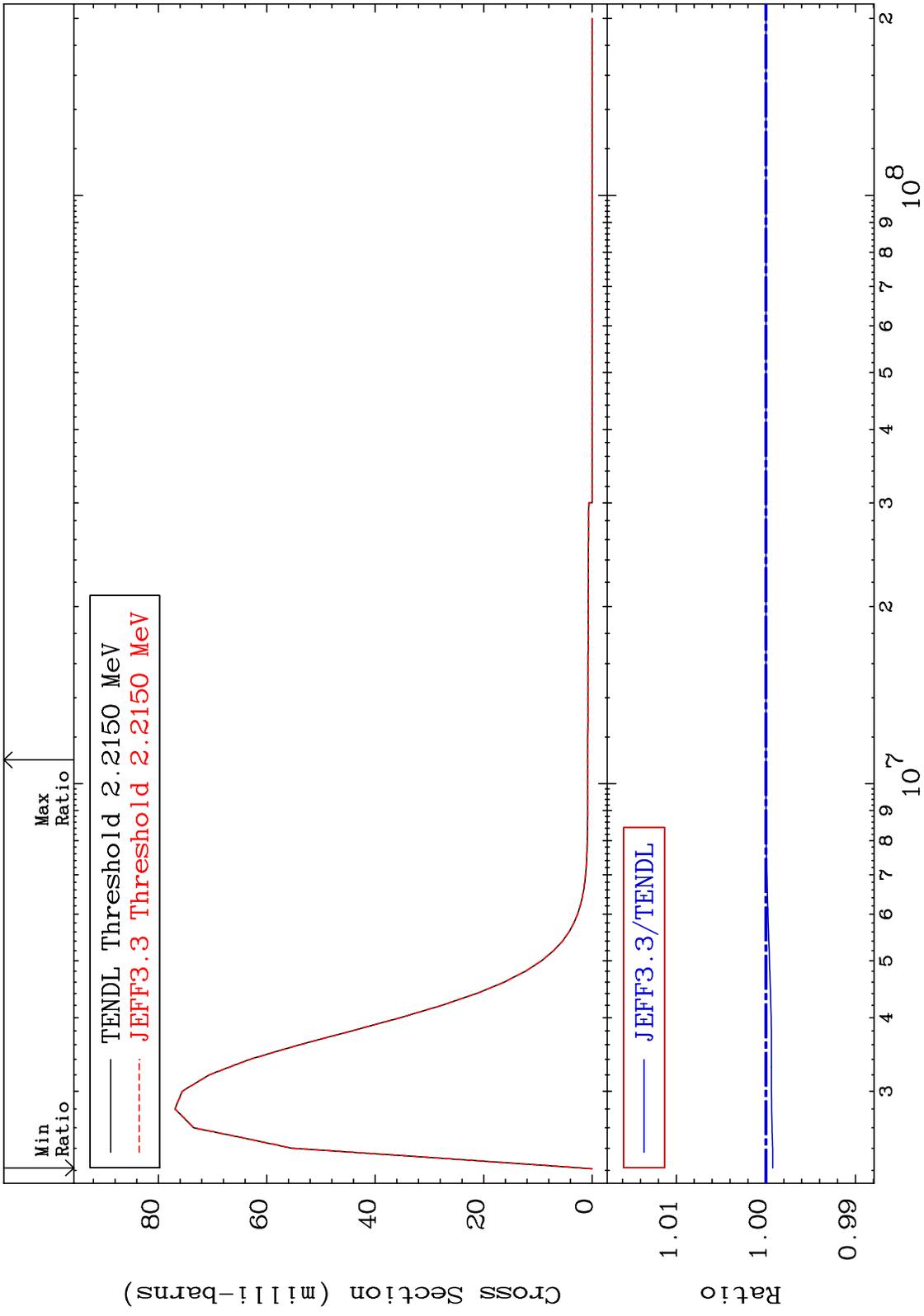
MAT 5231

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

52-Te-122
-0.065 To 0.000 %



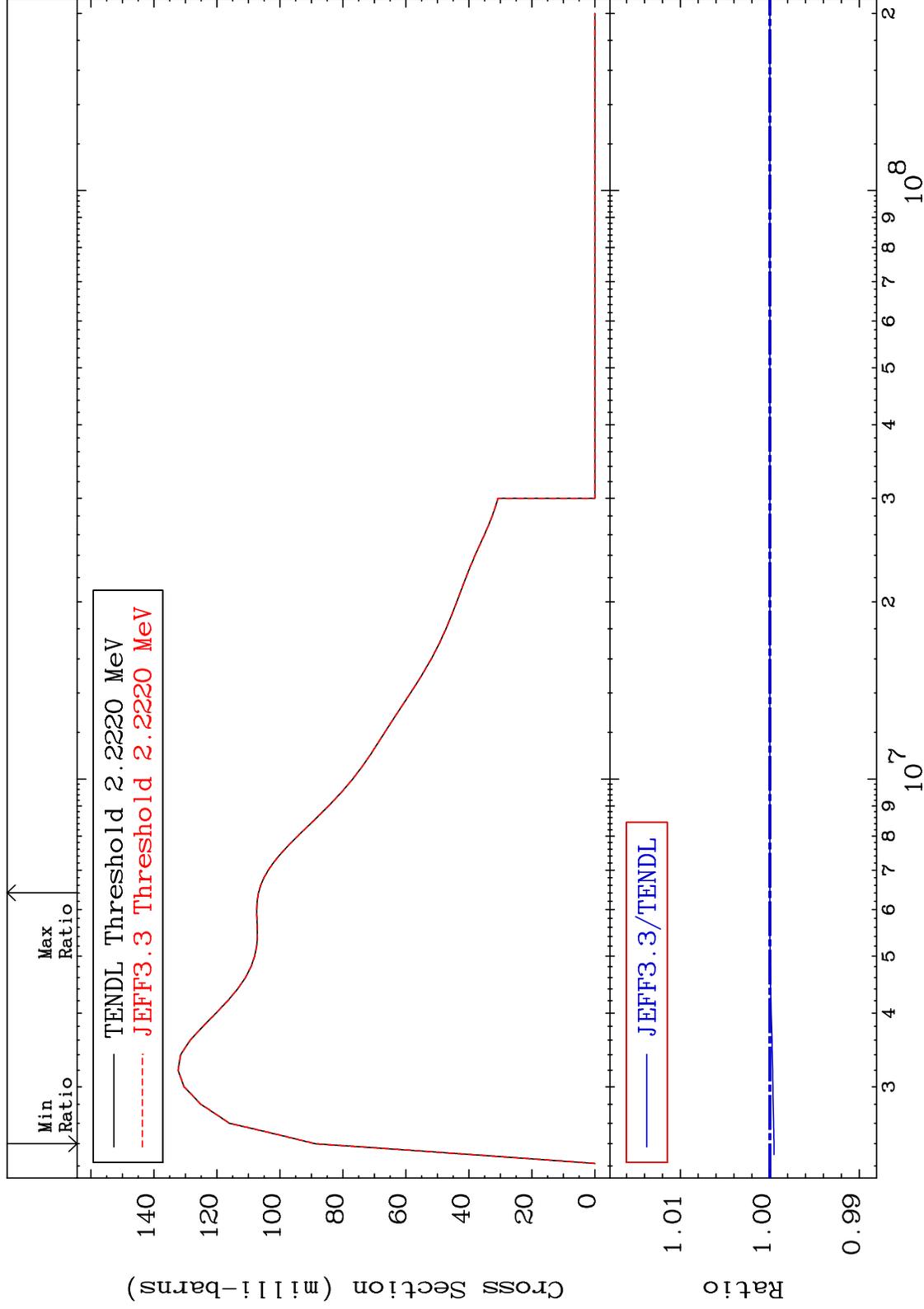
MAT 5231 MT= 63 (n,n') Level Cross Section 52-Te-122
 -0.076 To 0.000 %



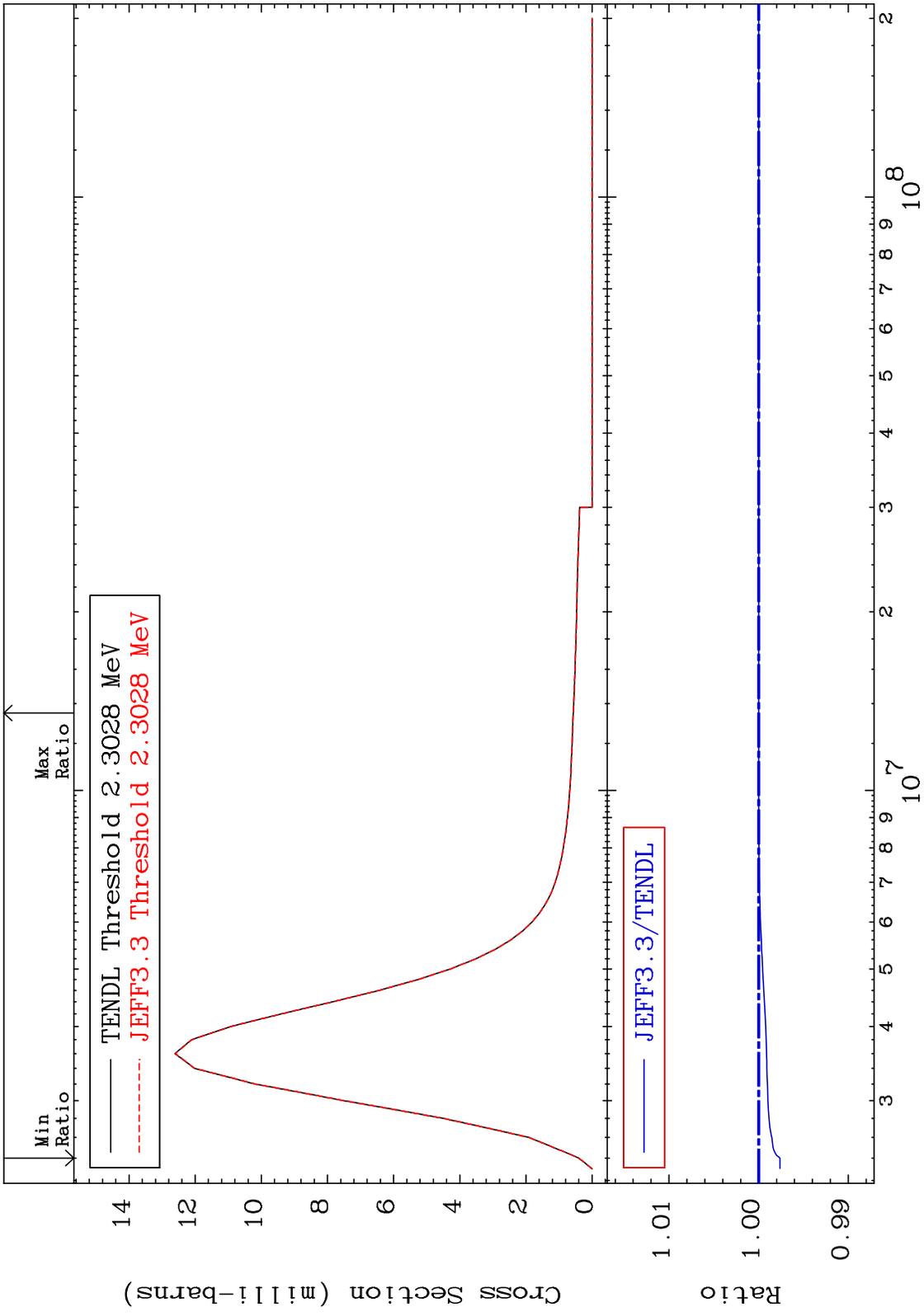
MAT 5231

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

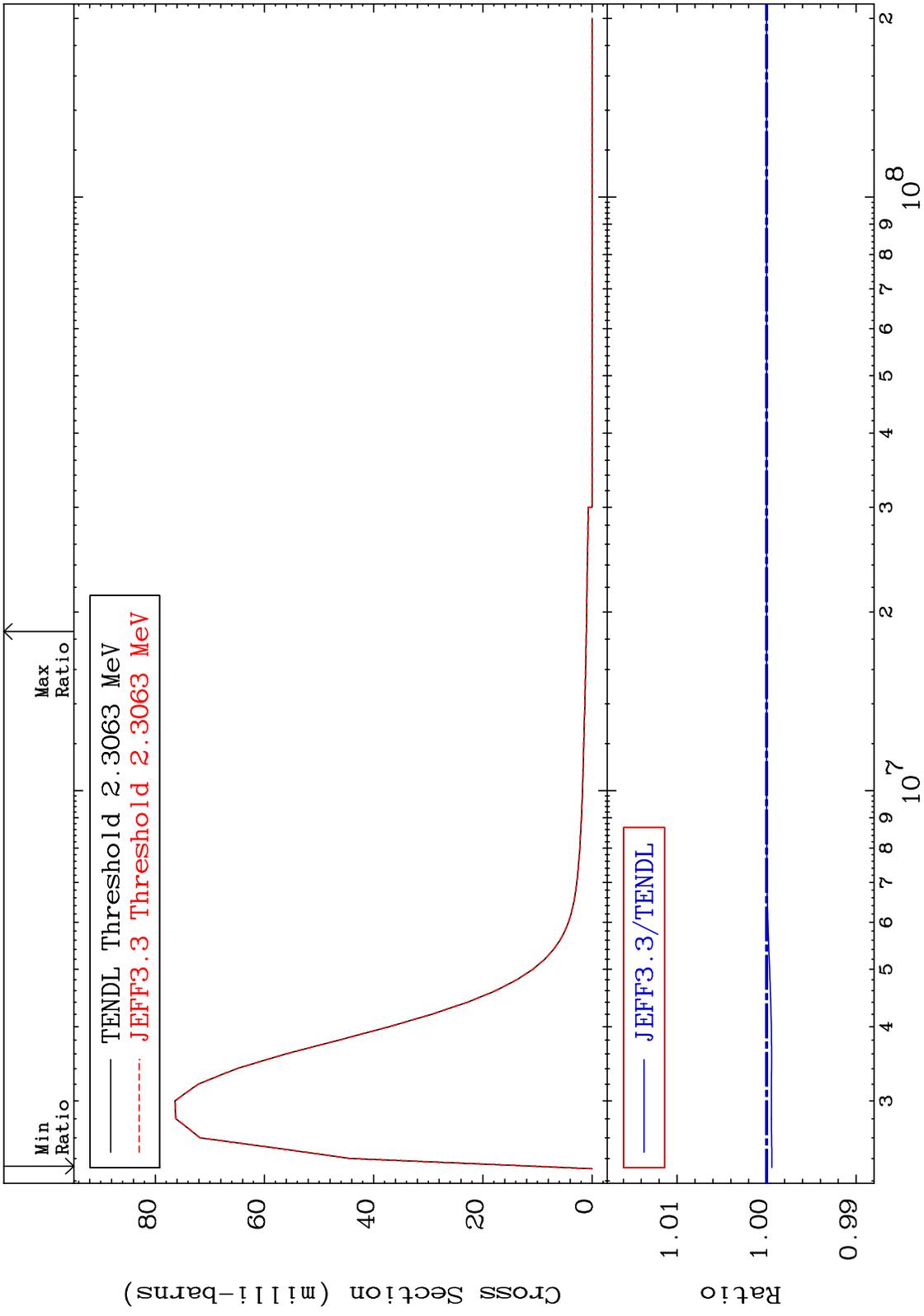
52-Te-122
-0.047 To 0.000 %



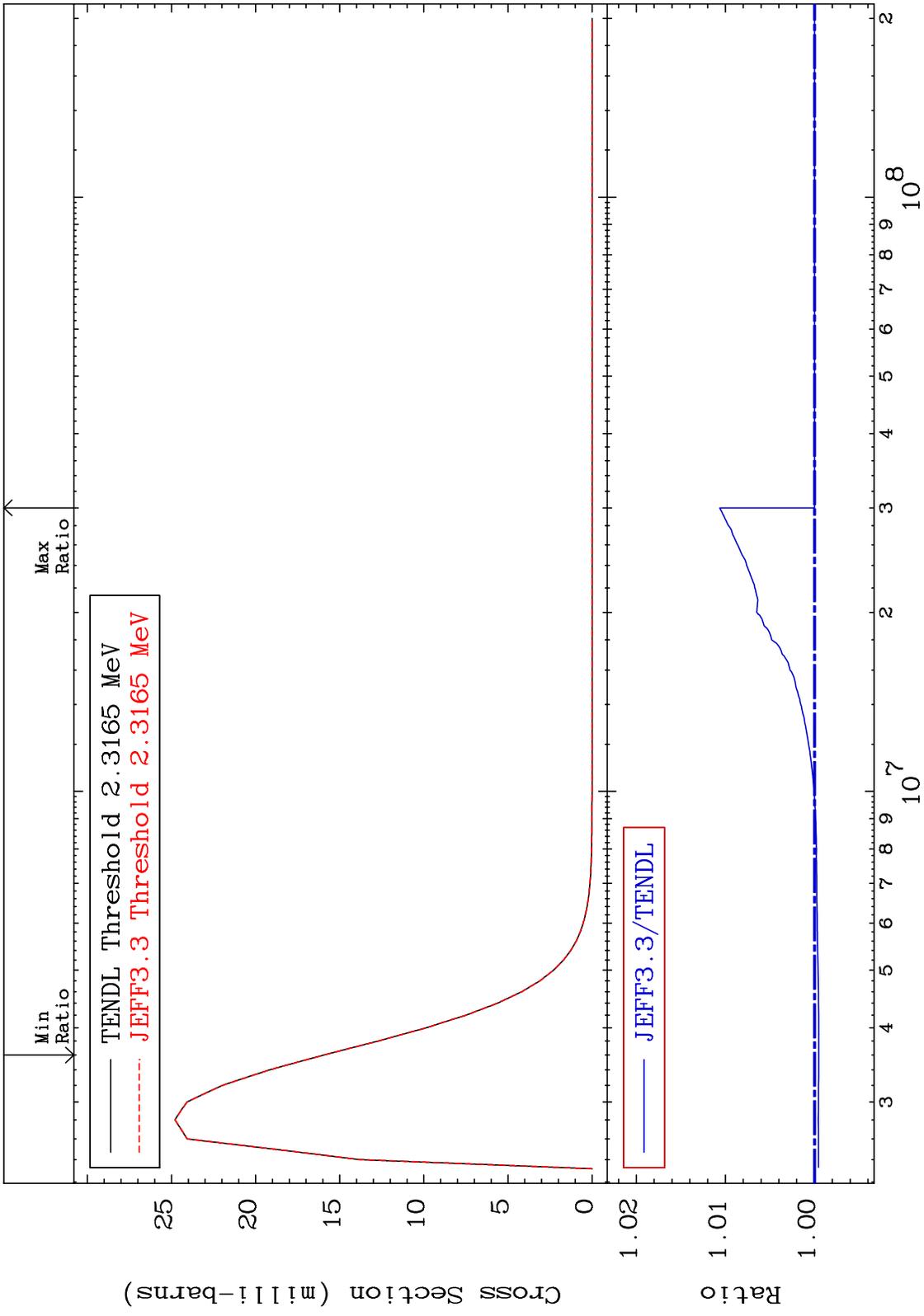
MAT 5231 MT= 65 (n,n') Level Cross Section 52-Te-122
 -0.238 To 0.000 %



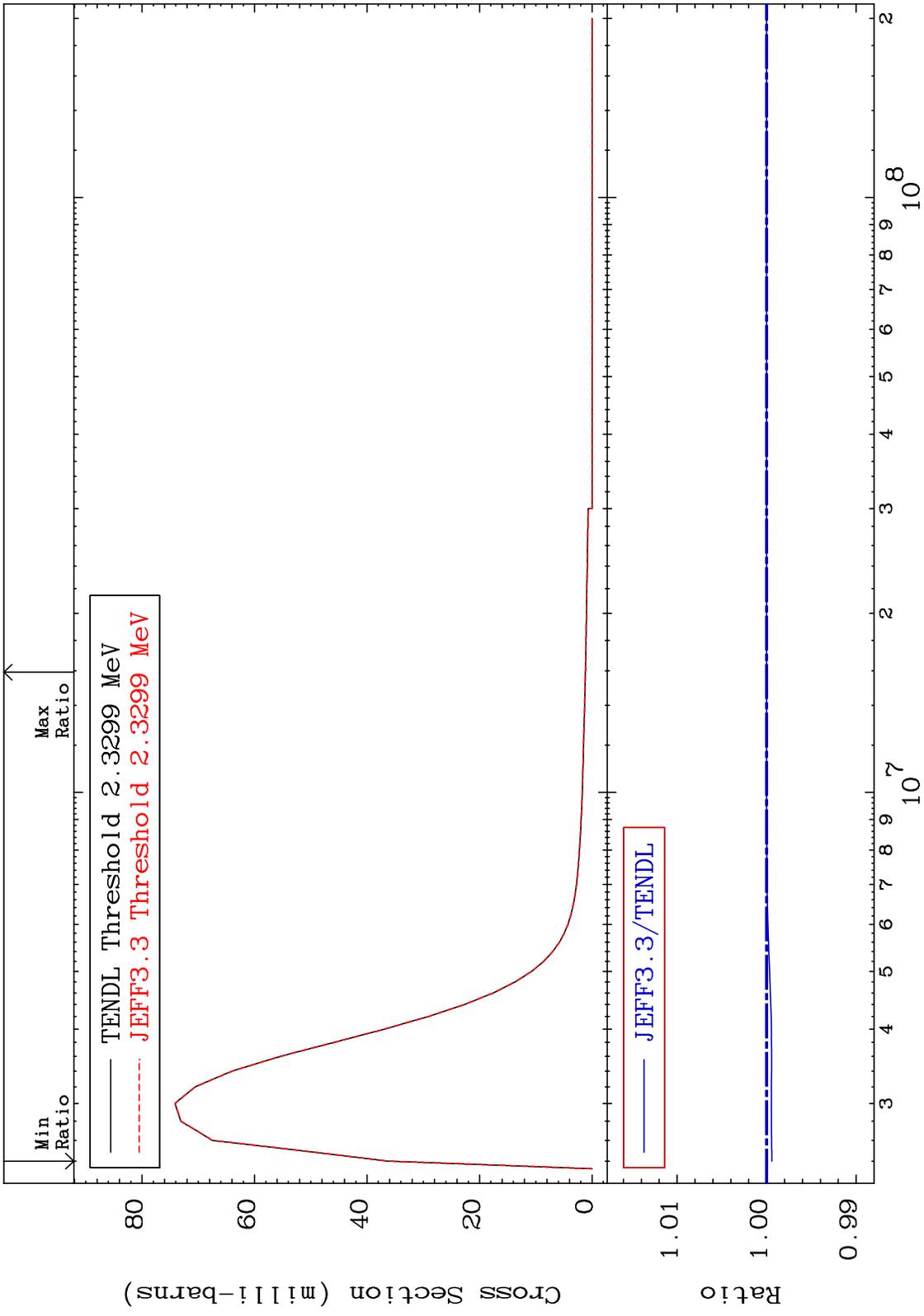
MAT 5231 MT= 66 (n,n') Level Cross Section 52-Te-122 -0.059 To 0.000 %



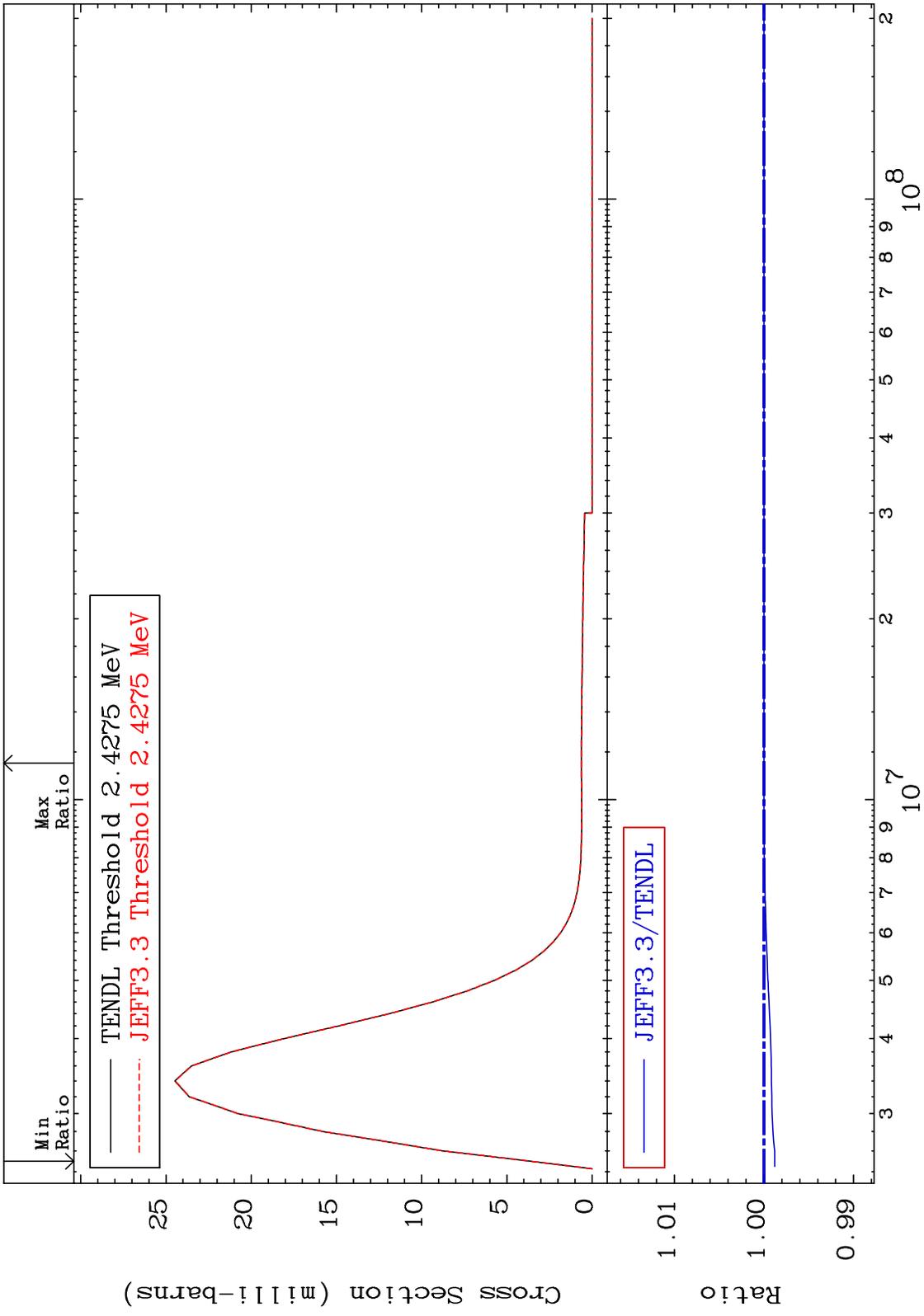
MAT 5231 MT= 67 (n,n') Level Cross Section 52-Te-122
 -0.048 To 1.063 %



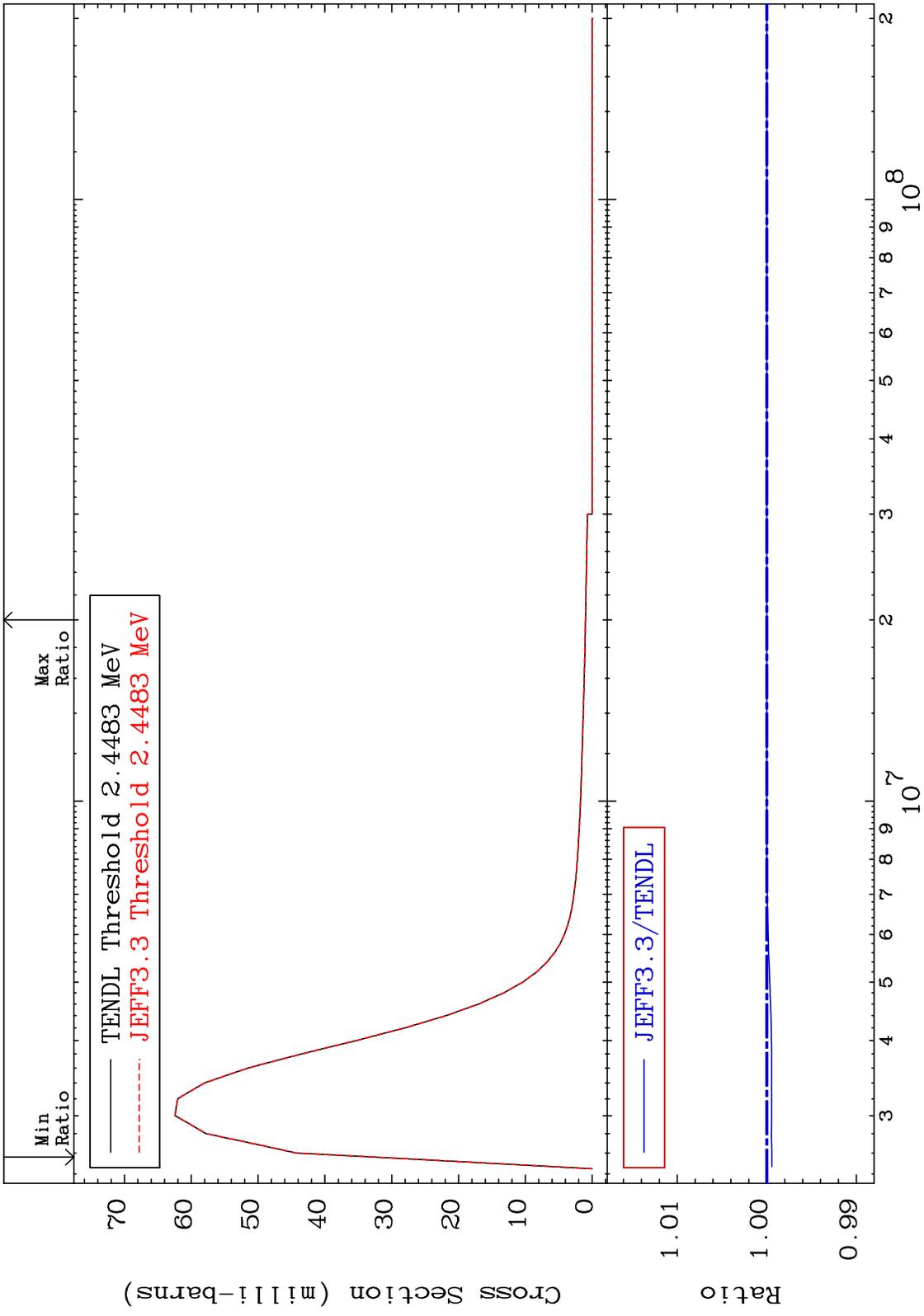
MAT 5231 MT= 68 (n,n') Level Cross Section 52-Te-122 -0.059 To 0.000 %



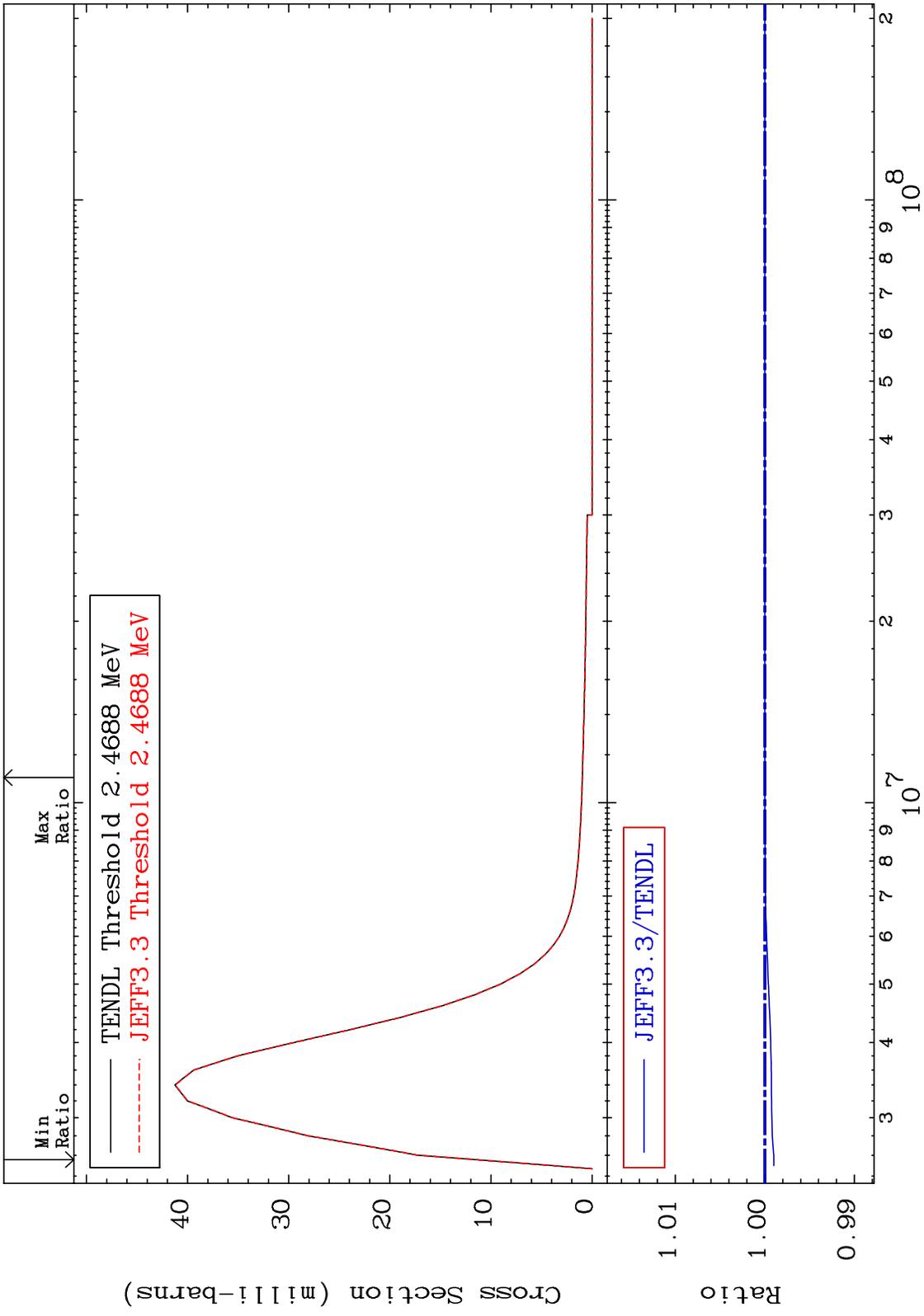
MAT 5231 MT= 69 (n,n') Level Cross Section 52-Te-122
 -0.119 To 0.000 %



MAT 5231 MT= 70 (n,n') Level Cross Section 52-Te-122 -0.056 To 0.000 %

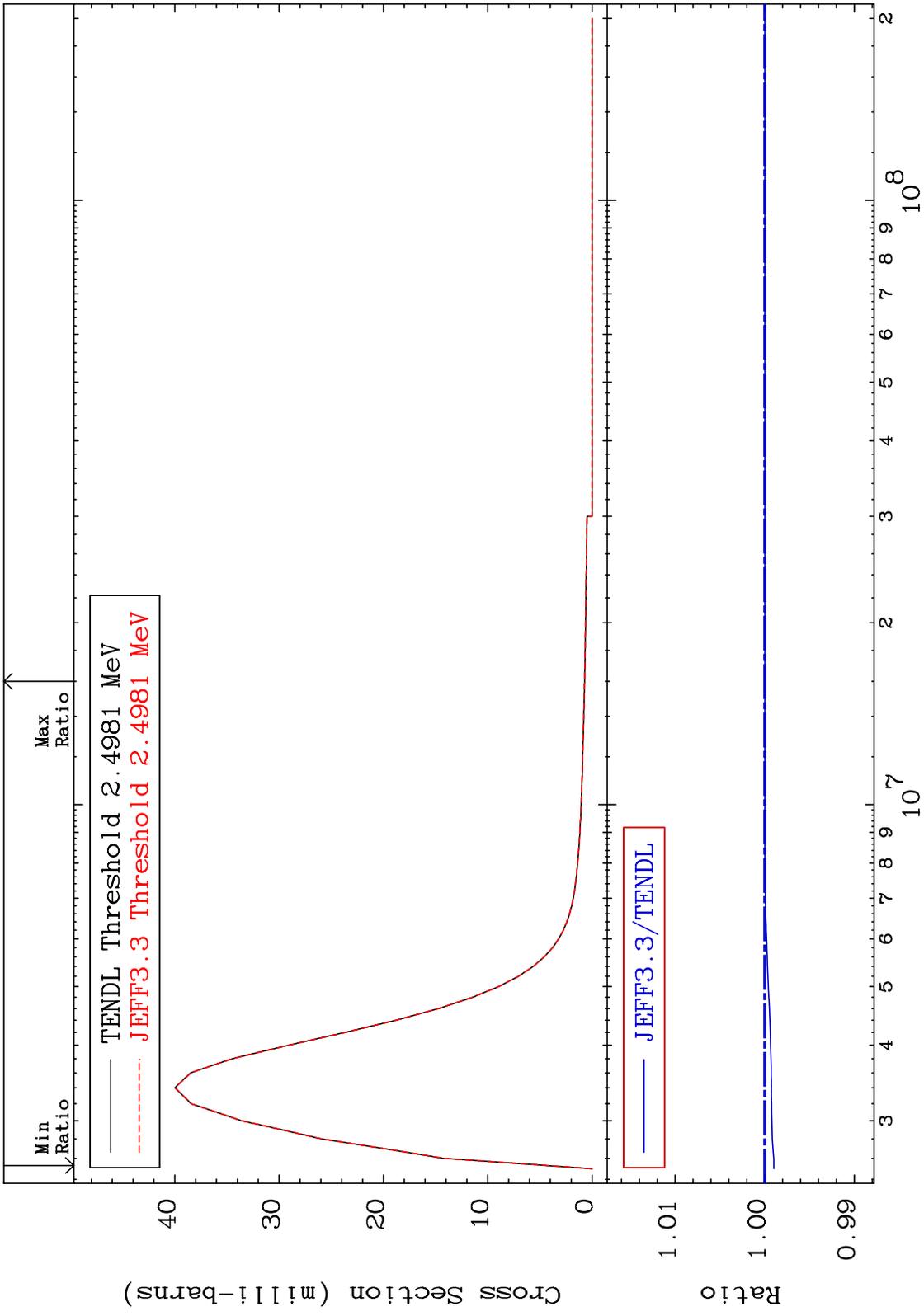


MAT 5231 MT= 71 (n,n') Level Cross Section 52-Te-122
 -0.100 To 0.000 %

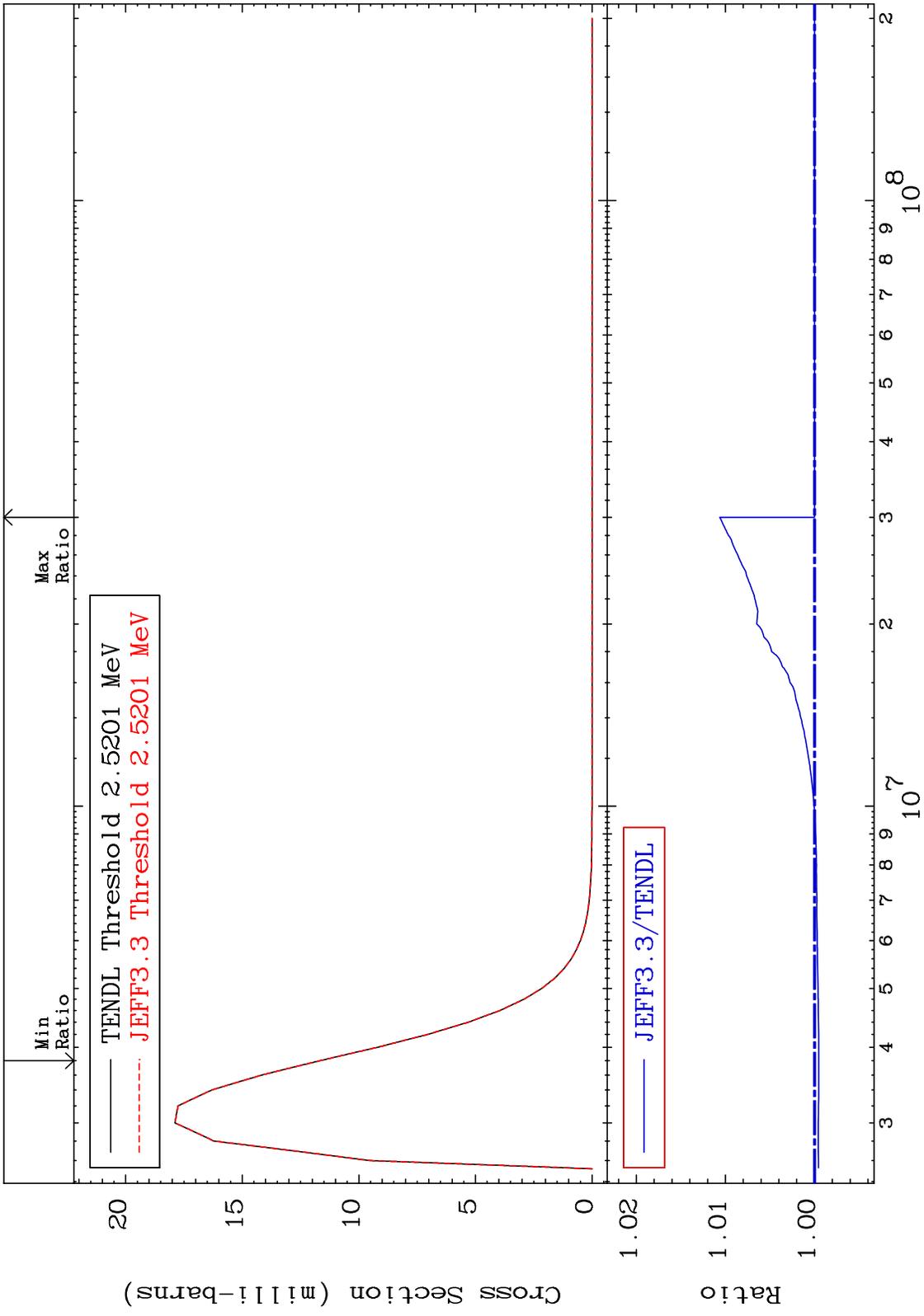


40 Incident Energy (eV) 52-Te-122

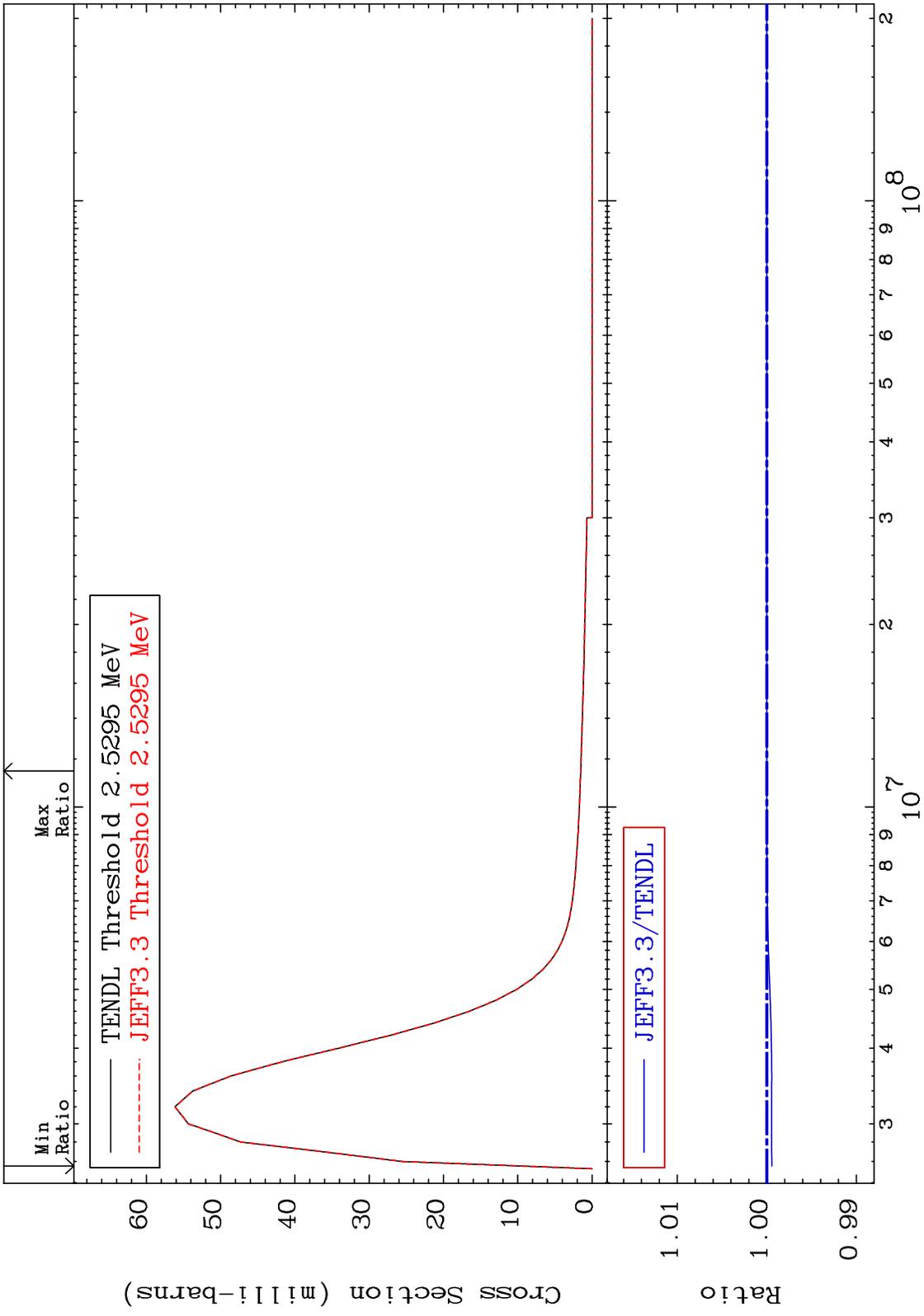
MAT 5231 MT= 72 (n,n') Level Cross Section 52-Te-122
 -0.101 To 0.000 %



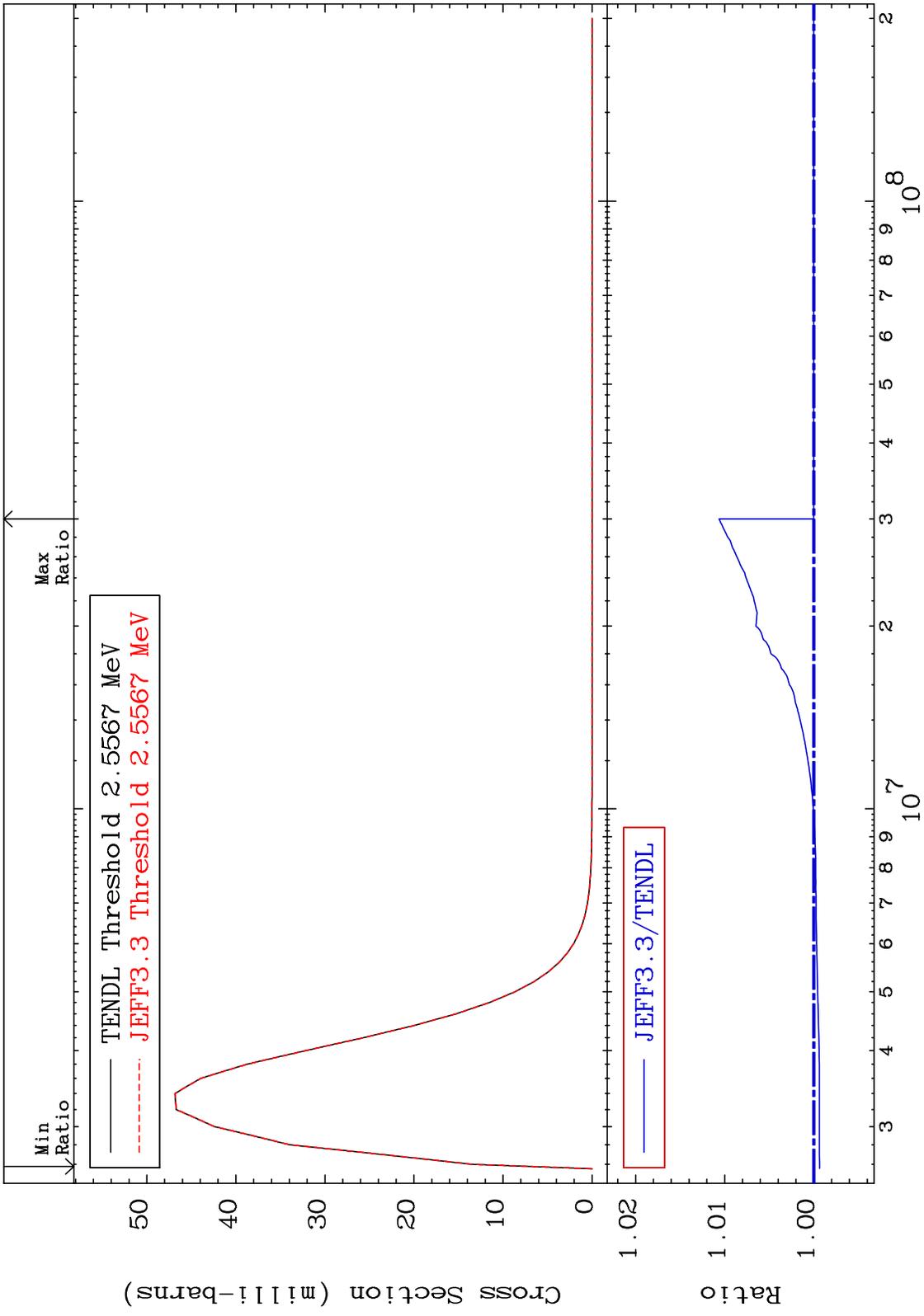
MAT 5231 MT= 73 (n,n') Level Cross Section 52-Te-122
 -0.048 To 1.063 %



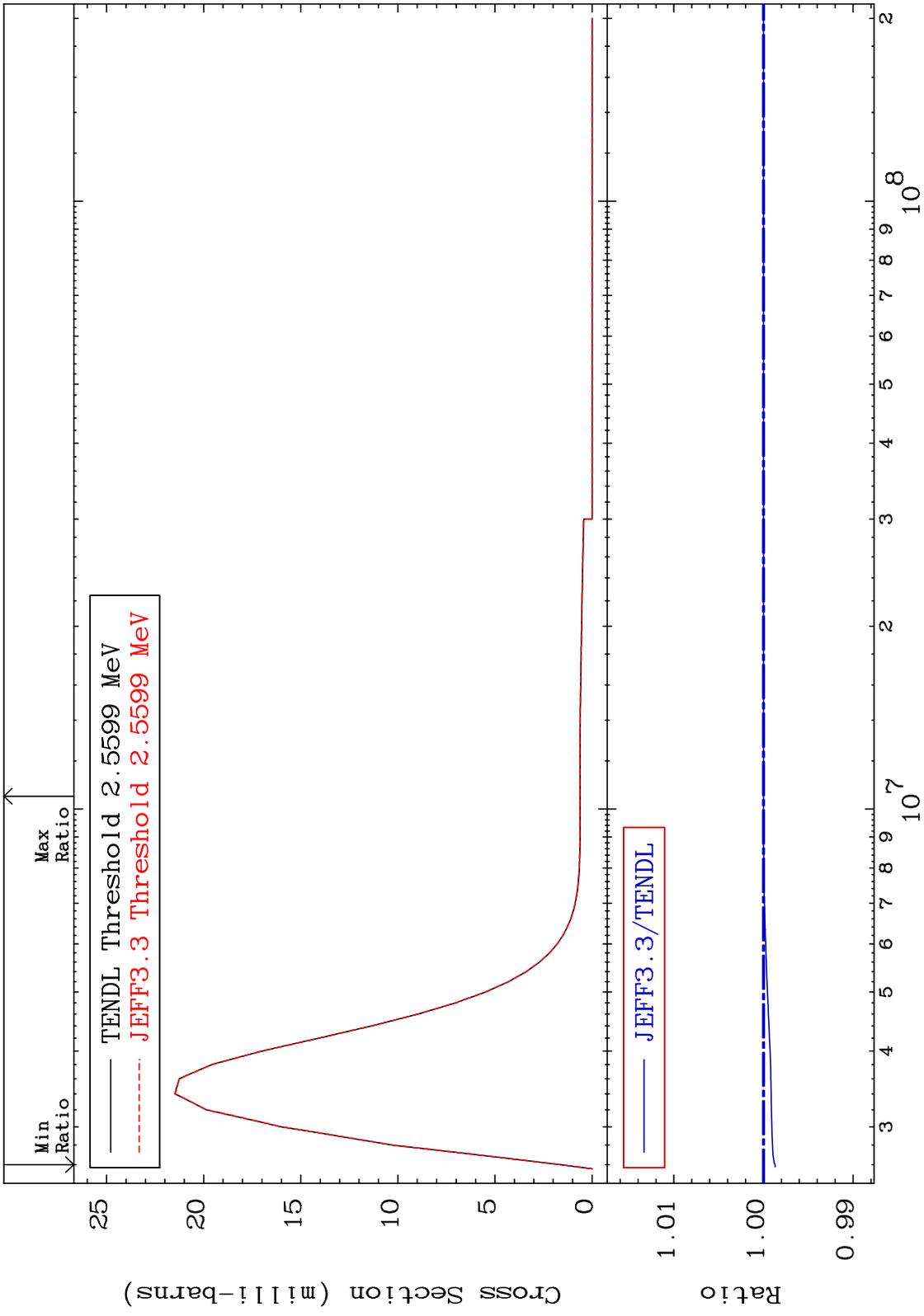
MAT 5231 MT= 74 (n,n') Level Cross Section 52-Te-122 -0.055 To 0.000 %



MAT 5231 MT= 75 (n,n') Level Cross Section 52-Te-122
 -0.065 To 1.063 %



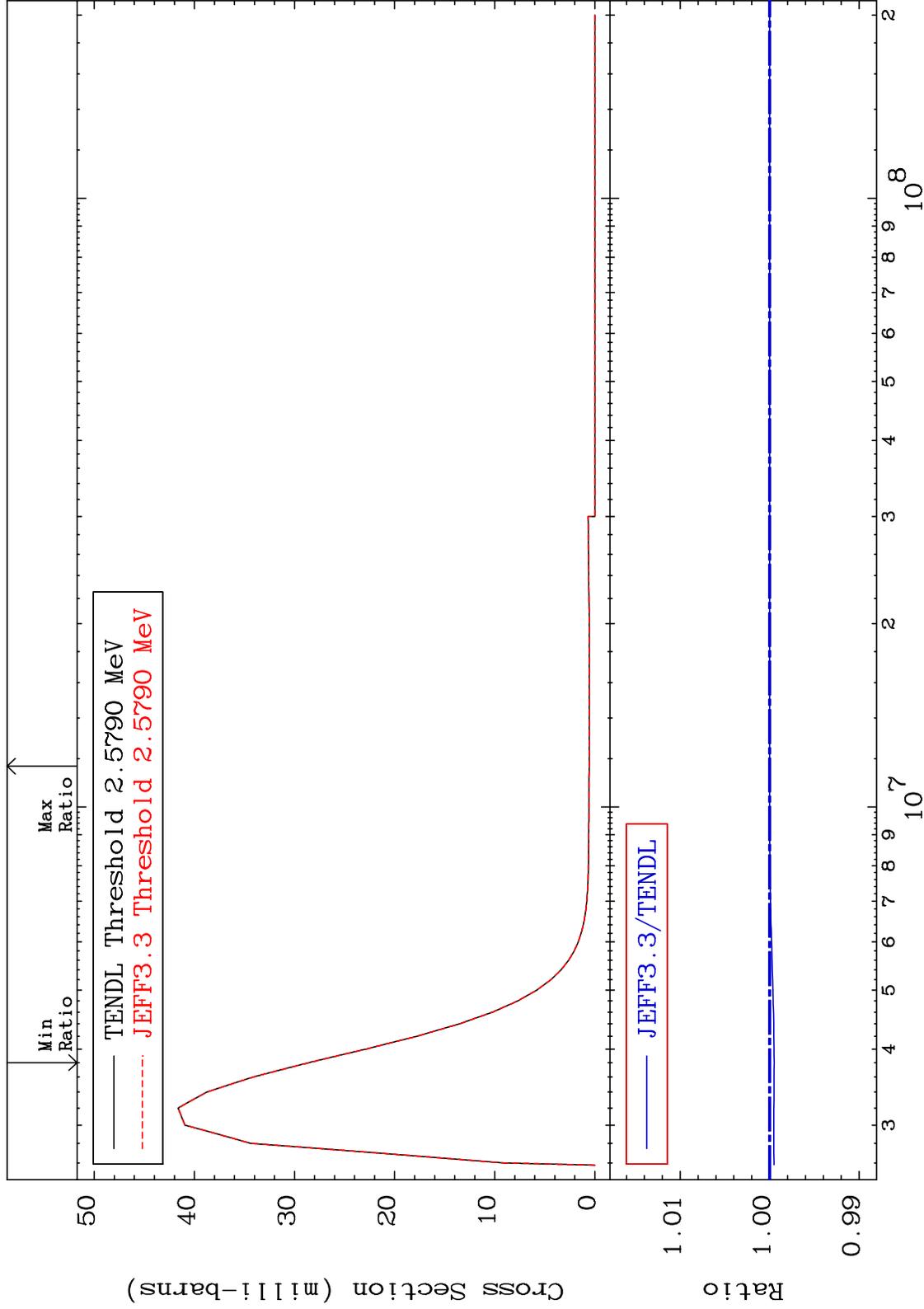
MAT 5231 MT= 76 (n,n') Level Cross Section 52-Te-122 -0.130 To 0.000 %



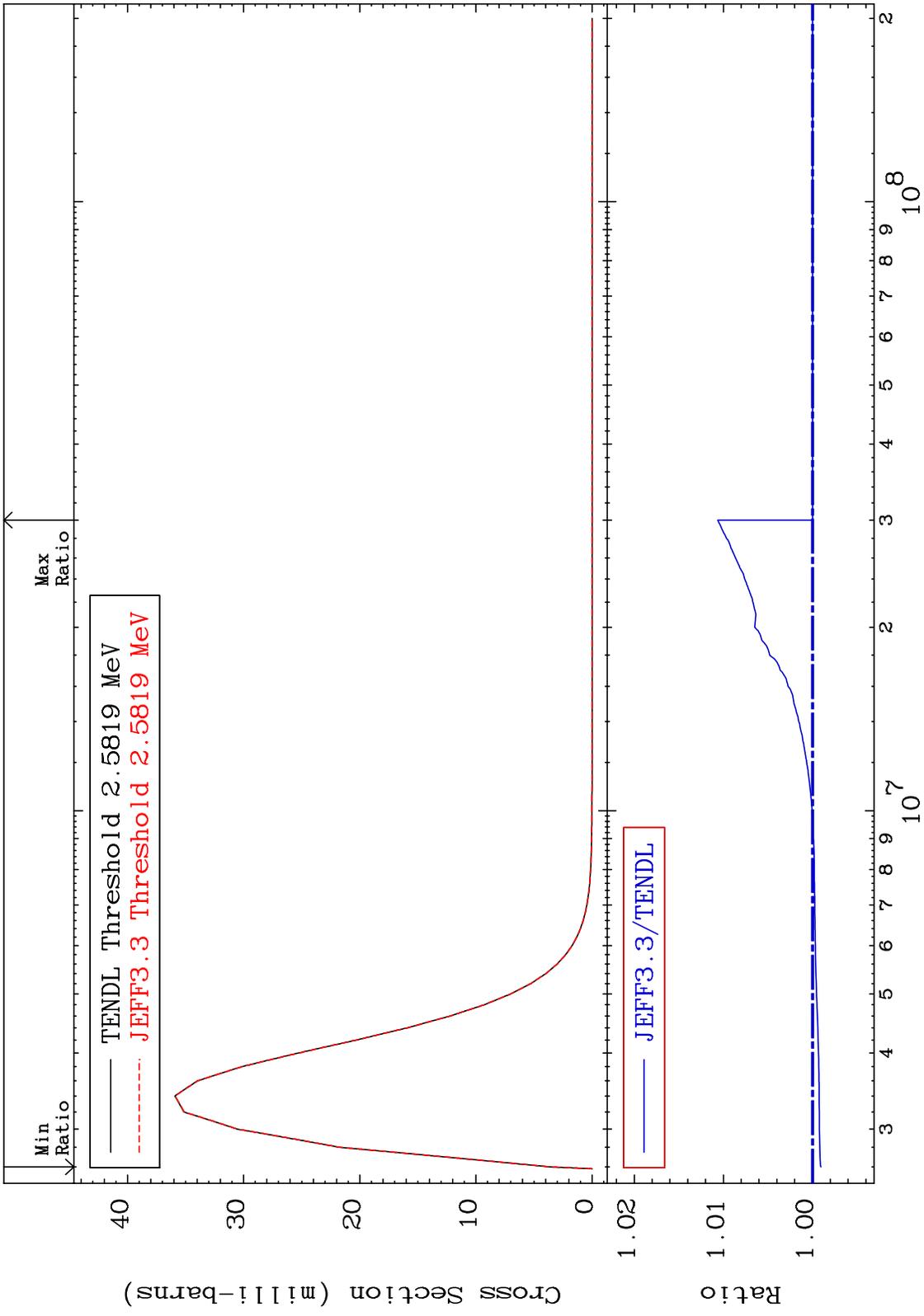
MAT 5231

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

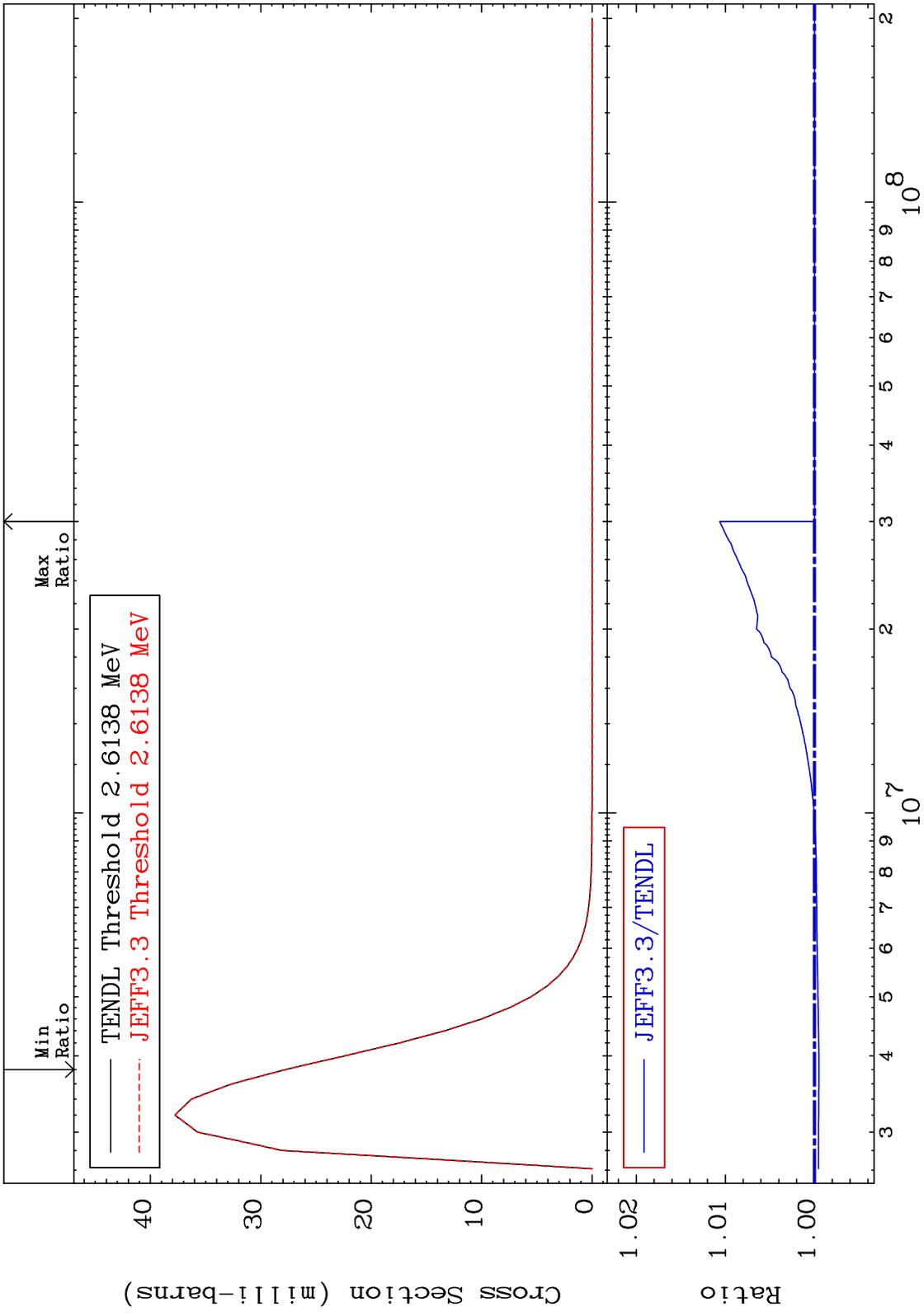
52-Te-122
-0.050 To 0.000 %



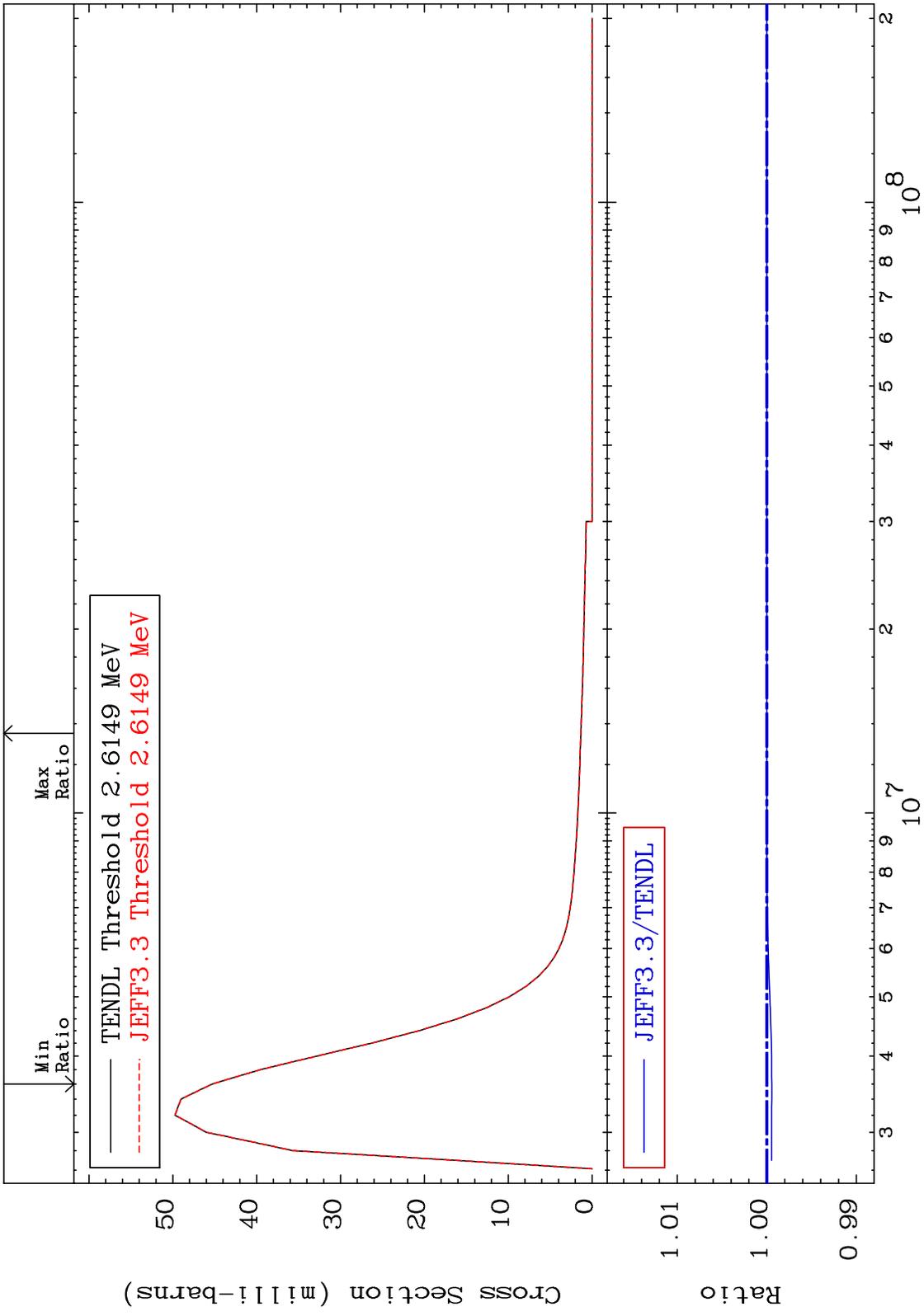
MAT 5231 MT= 78 (n,n') Level Cross Section 52-Te-122 -0.093 To 1.063 %



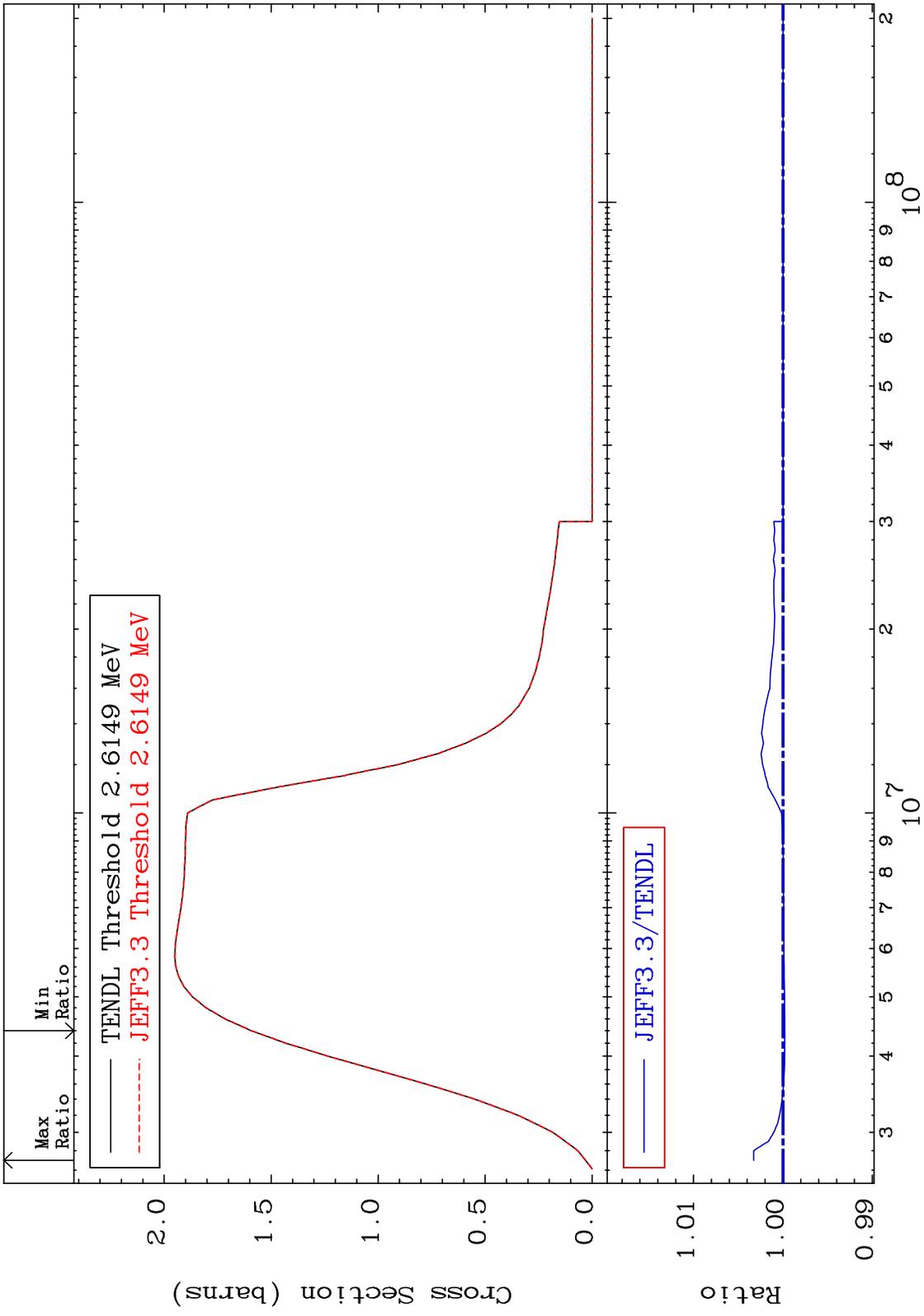
MAT 5231 MT= 79 (n,n') Level Cross Section 52-Te-122 -0.050 To 1.064 %



MAT 5231 MT= 80 (n,n') Level Cross Section 52-Te-122 -0.055 To 0.000 %



MAT 5231 (n,n') Continuum Cross Section 52-Te-122 -0.021 To 0.327 %



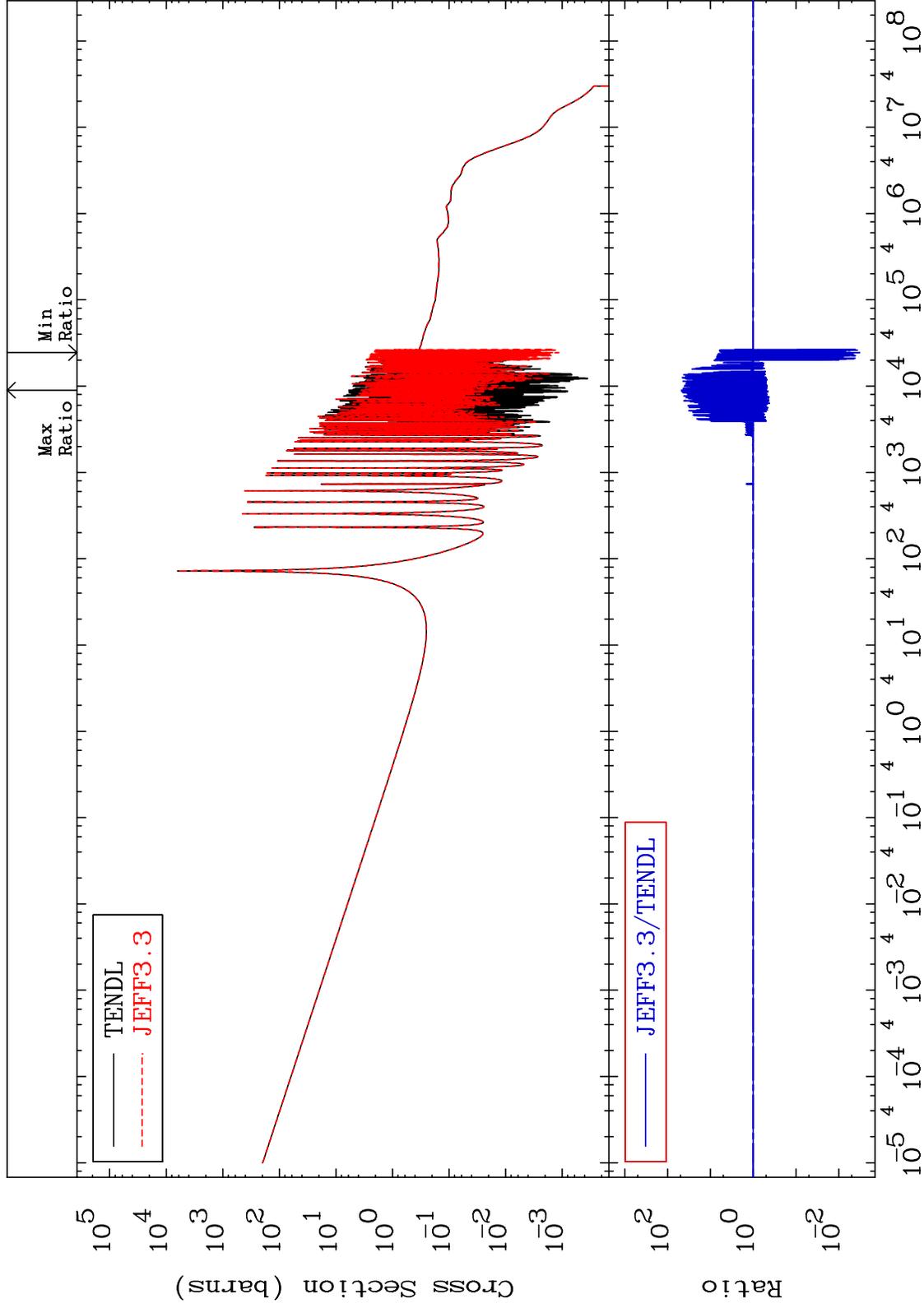
MAT 5231

(n, γ)

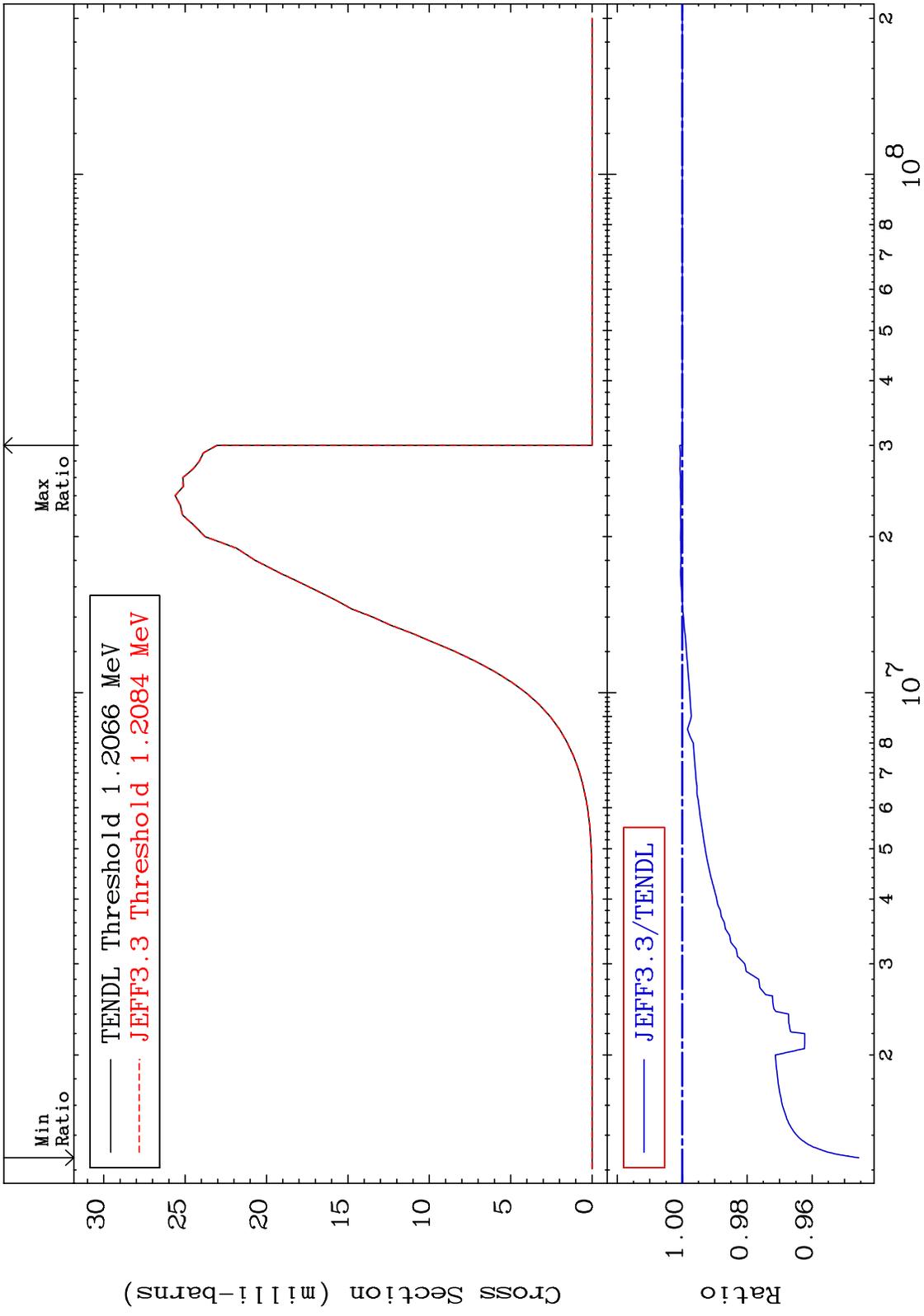
52-Te-122

Cross Section

-99.68 To 4714. %

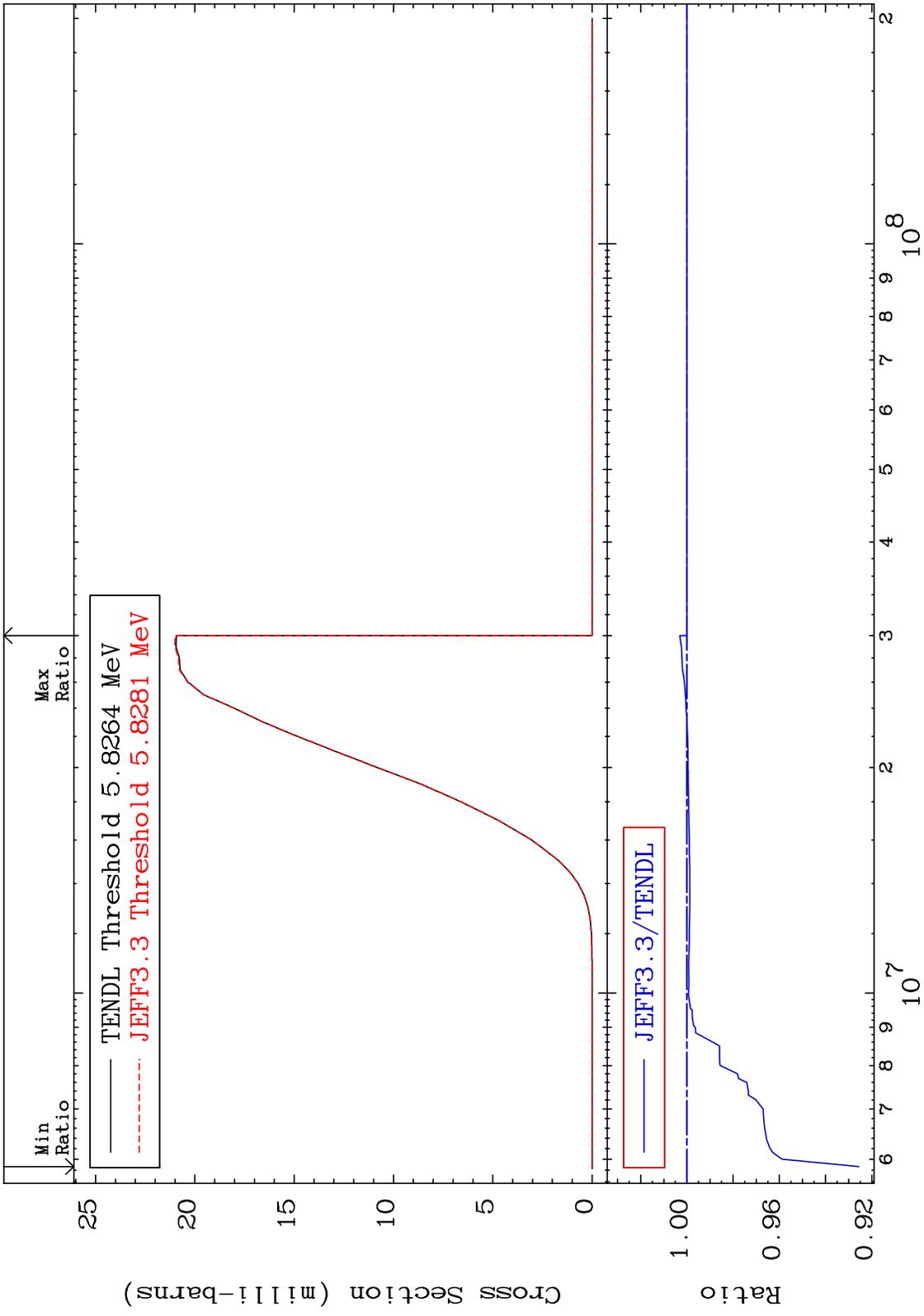


MAT 5231 (n,p) Cross Section 52-Te-122 -5.440 To 0.076 %

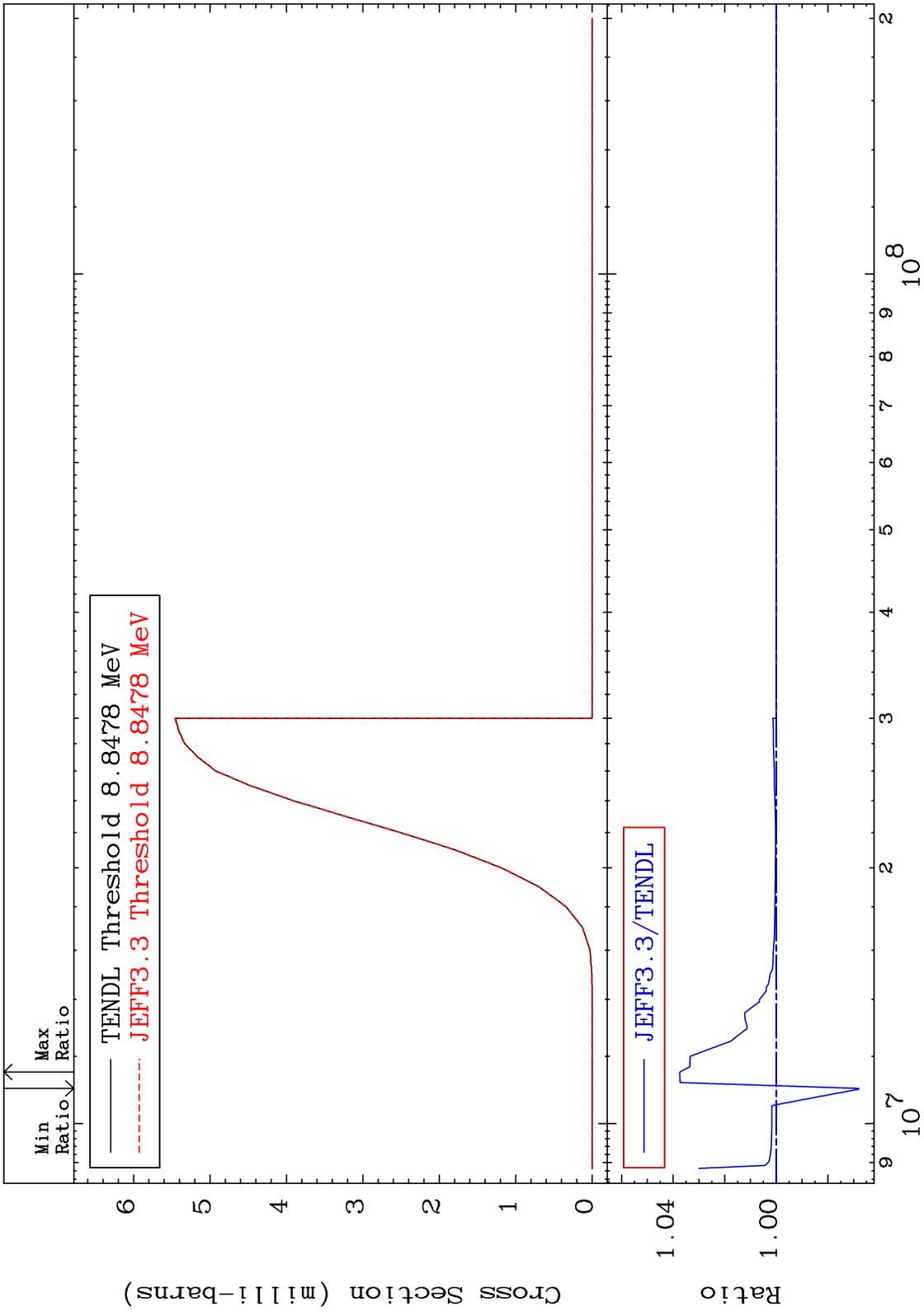


52 52-Te-122

MAT 5231 (n,d) Cross Section 52-Te-122 -7.438 To 0.311 %

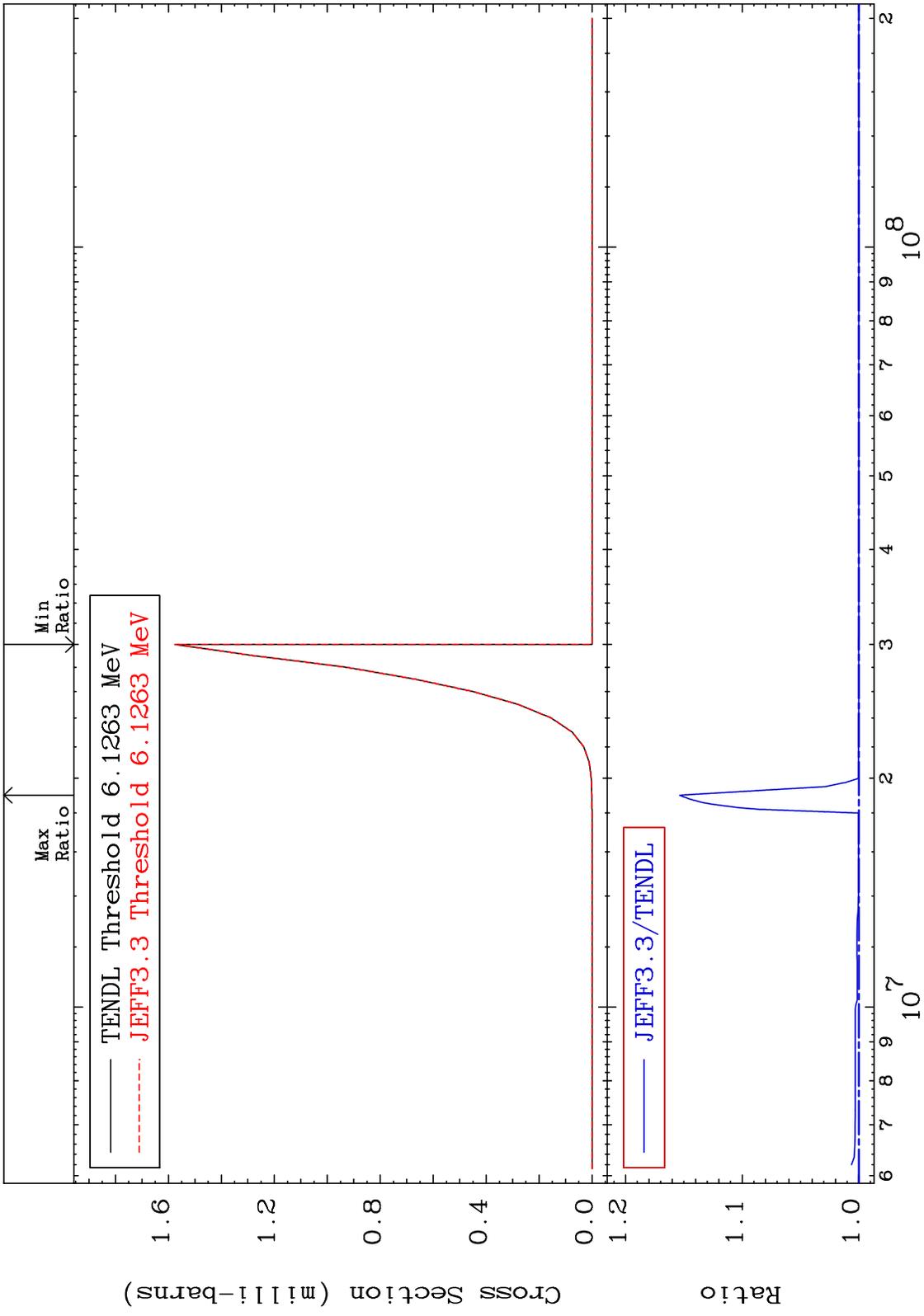


MAT 5231 (n,t) 52-Te-122
 Cross Section -3.201 To 3.744 %



54 52-Te-122

MAT 5231 (n, He-3) Cross Section 52-Te-122 To 15.36 %



55 52-Te-122 Incident Energy (eV)

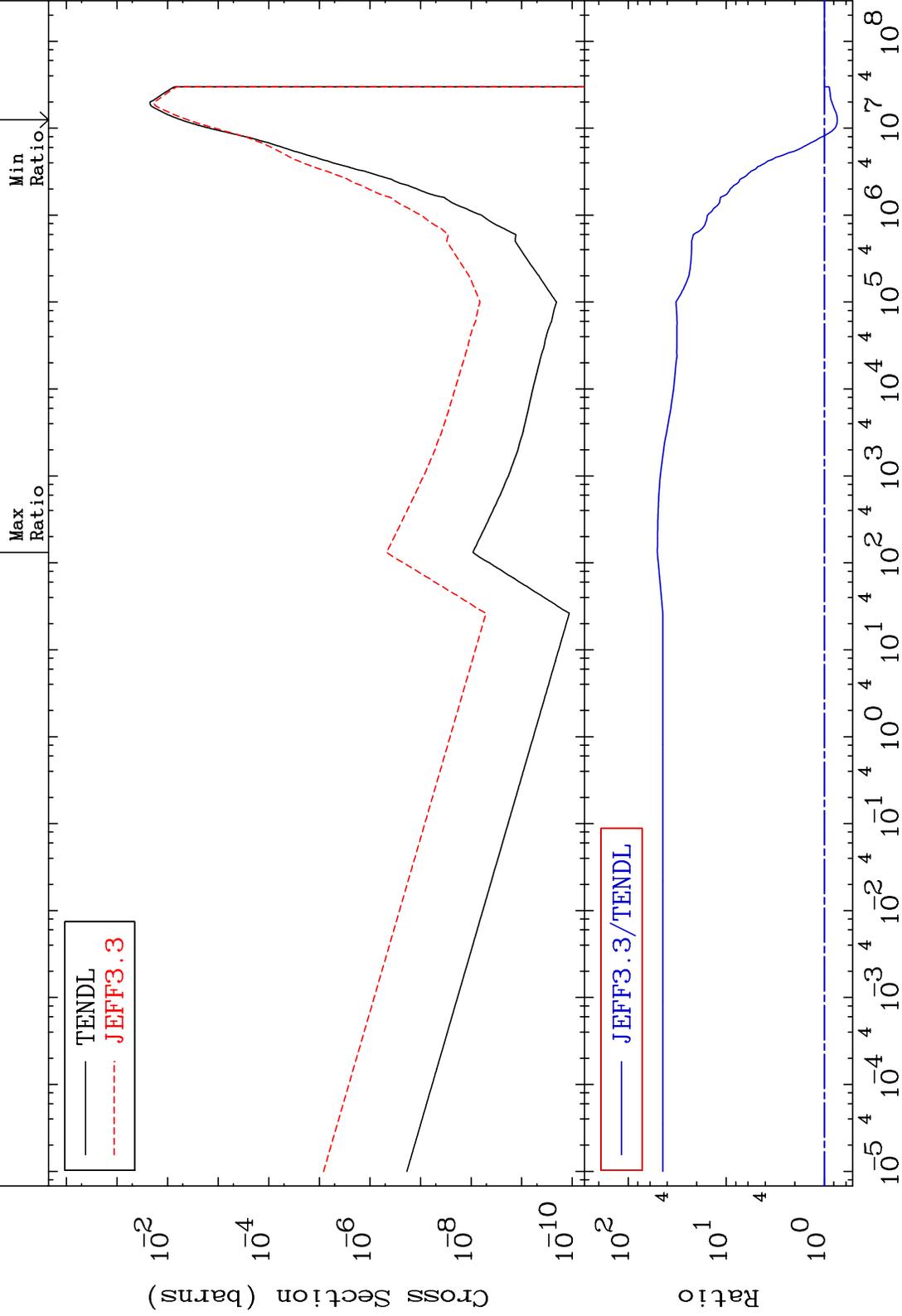
MAT 5231

(n, α)

52-Te-122

-26.38 To 4943. %

Cross Section



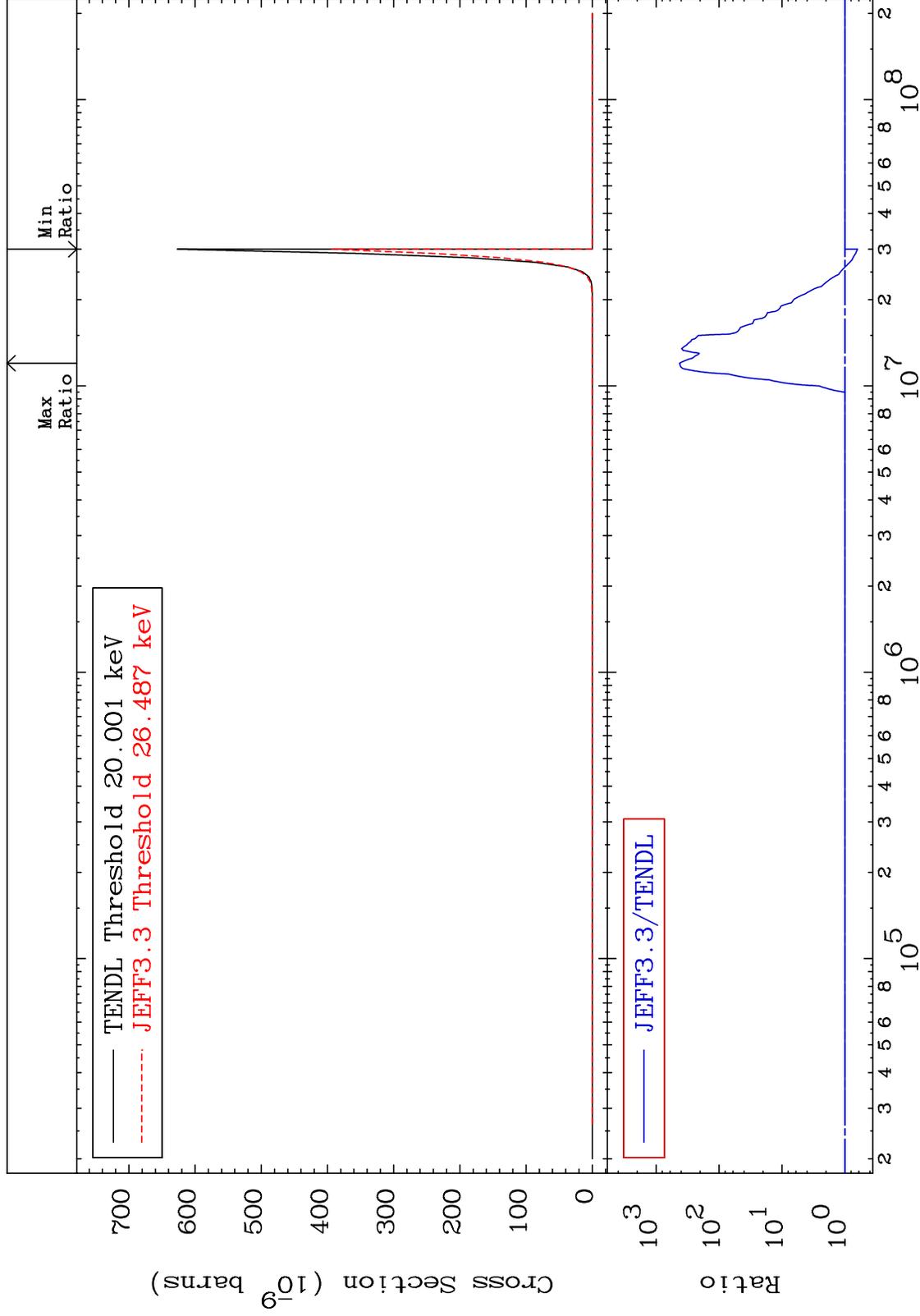
MAT 5231

(n,2α)

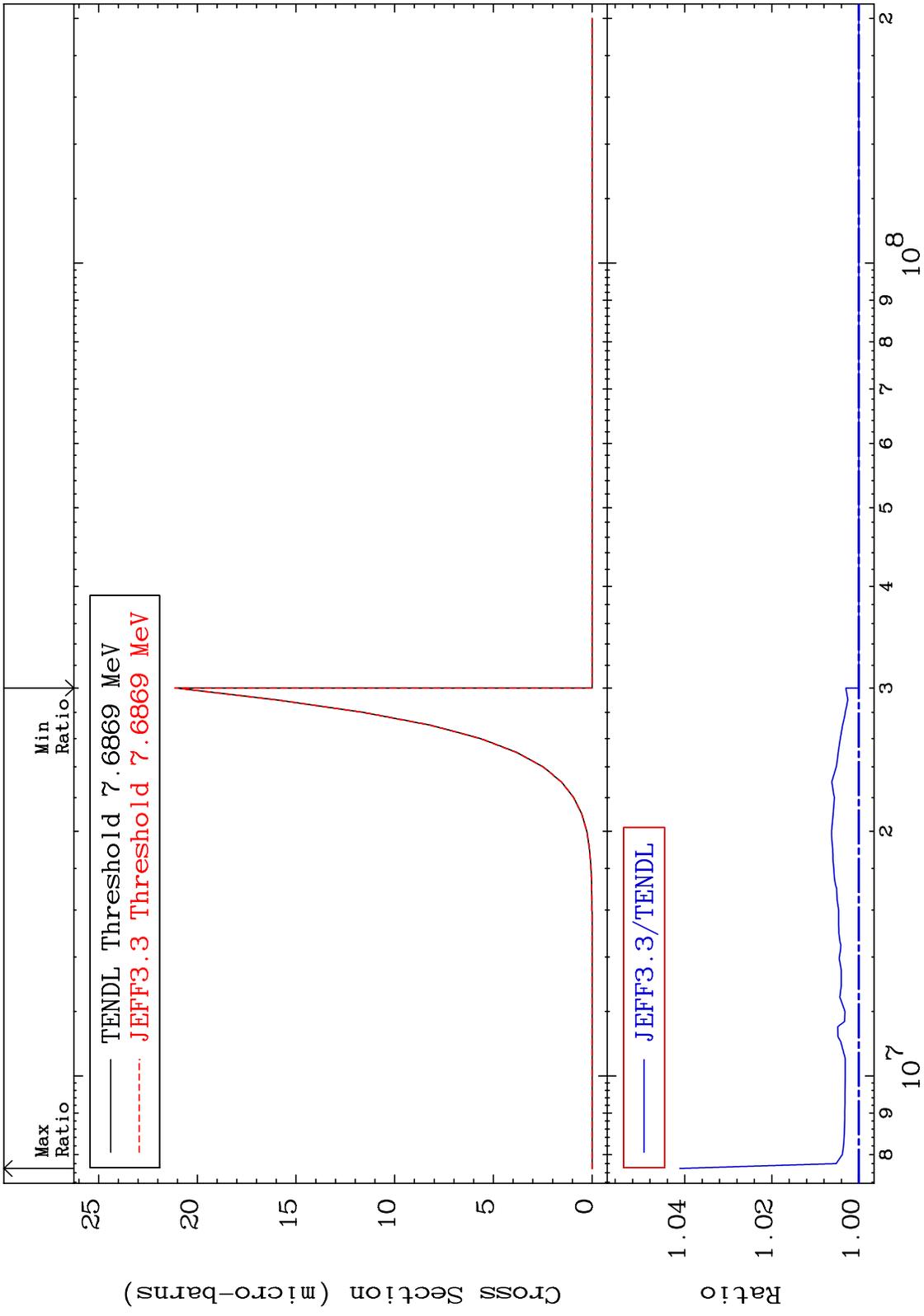
52-Te-122

Cross Section

-37.20 To 9999. %



MAT 5231 (n,2p) Cross Section 52-Te-122 To 4.116 %



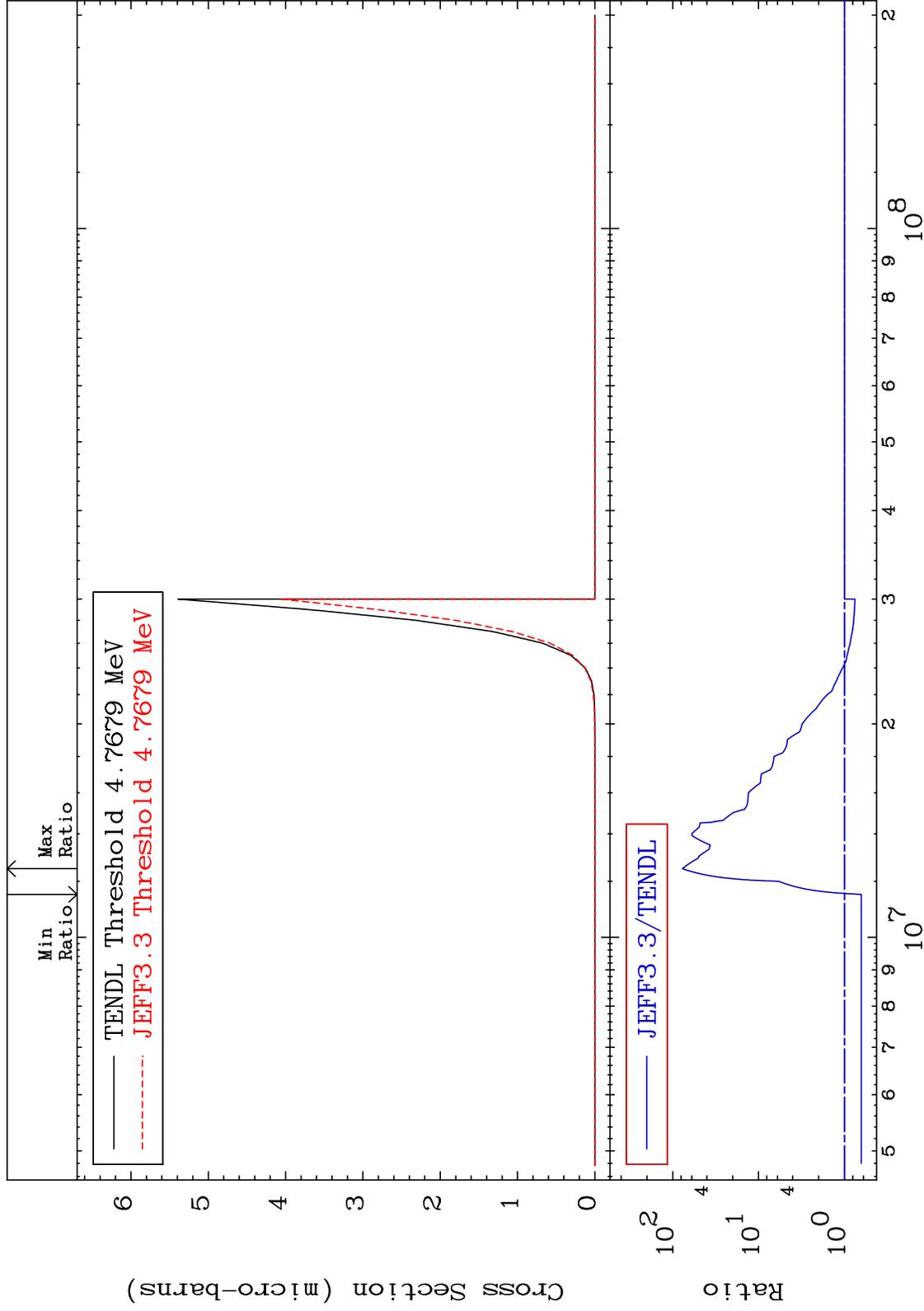
MAT 5231

(n,p) α

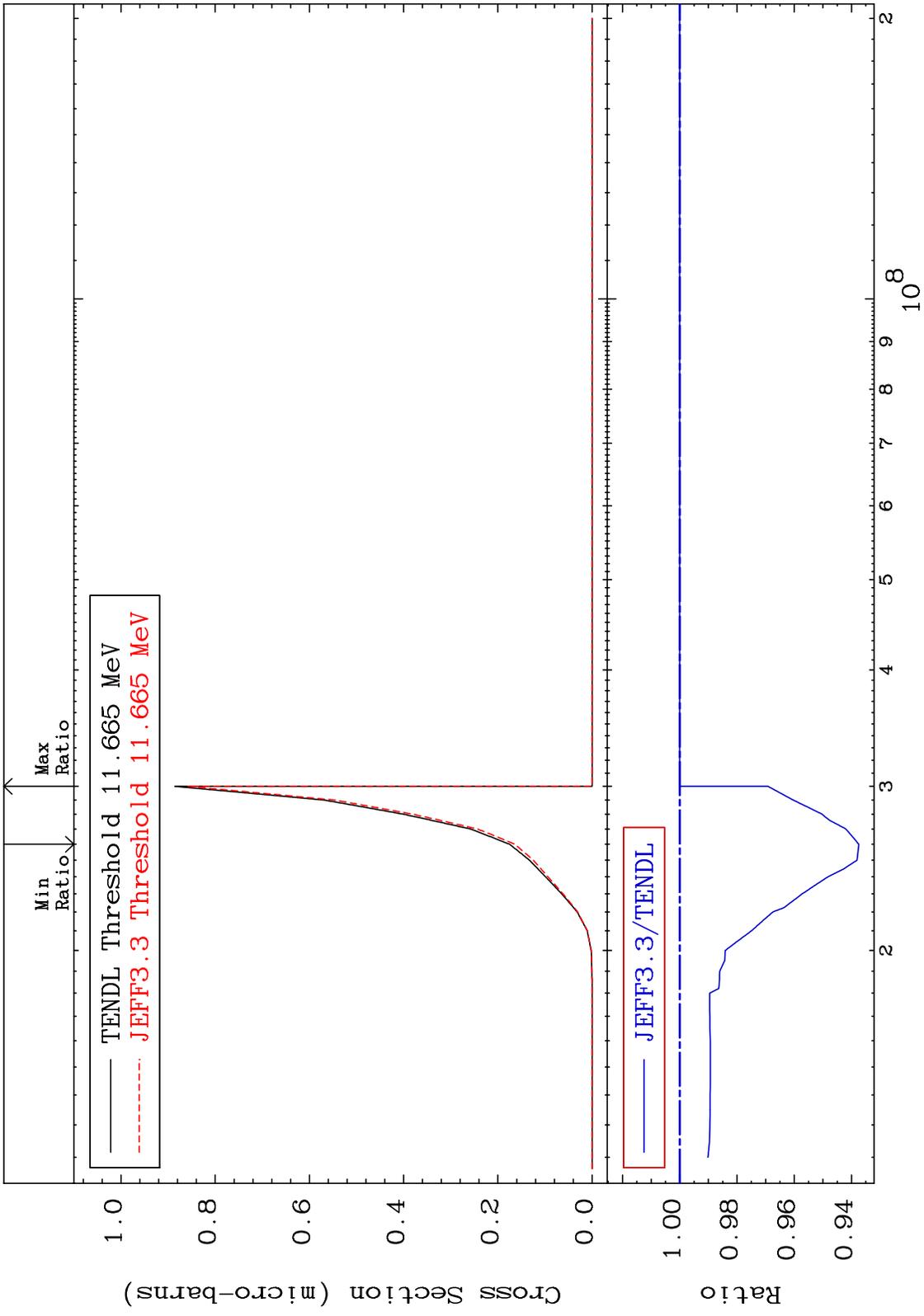
52-Te-122

Cross Section

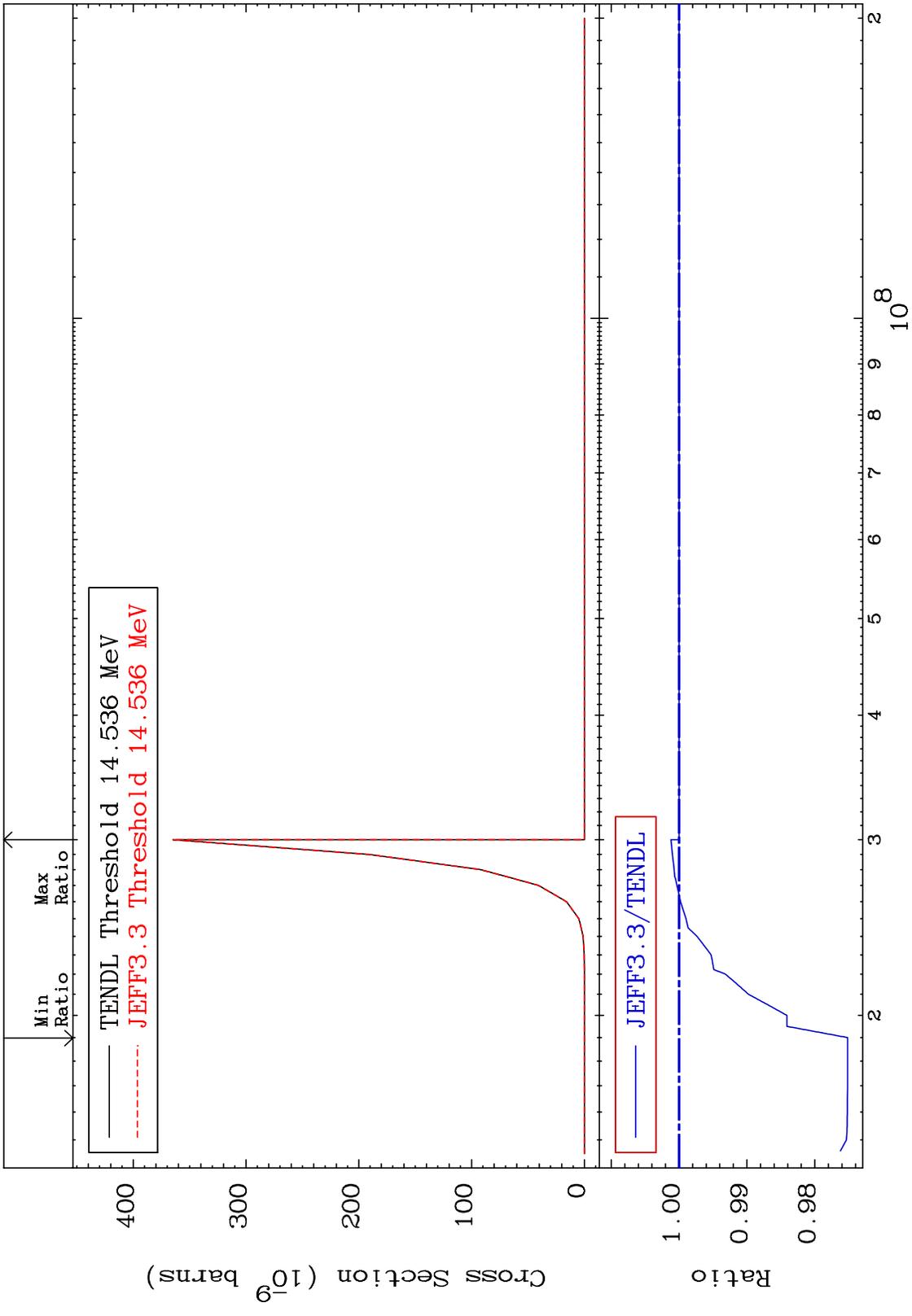
-36.59 To 7619. %



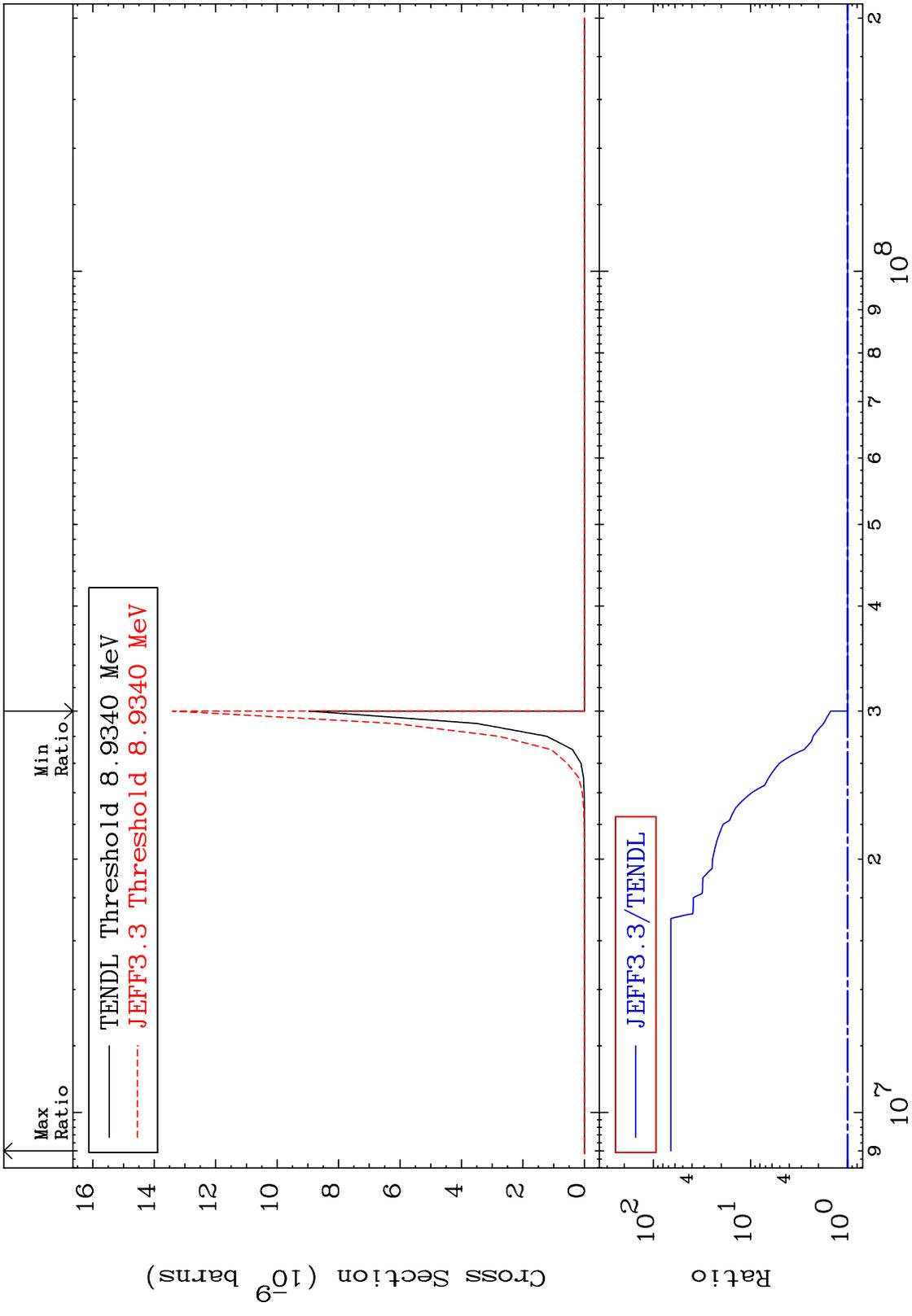
MAT 5231 (n,p) d 52-Te-122
 Cross Section -6.253 To 0.000 %



MAT 5231 (n,p) t 52-Te-122
 Cross Section -2.484 To 0.120 %

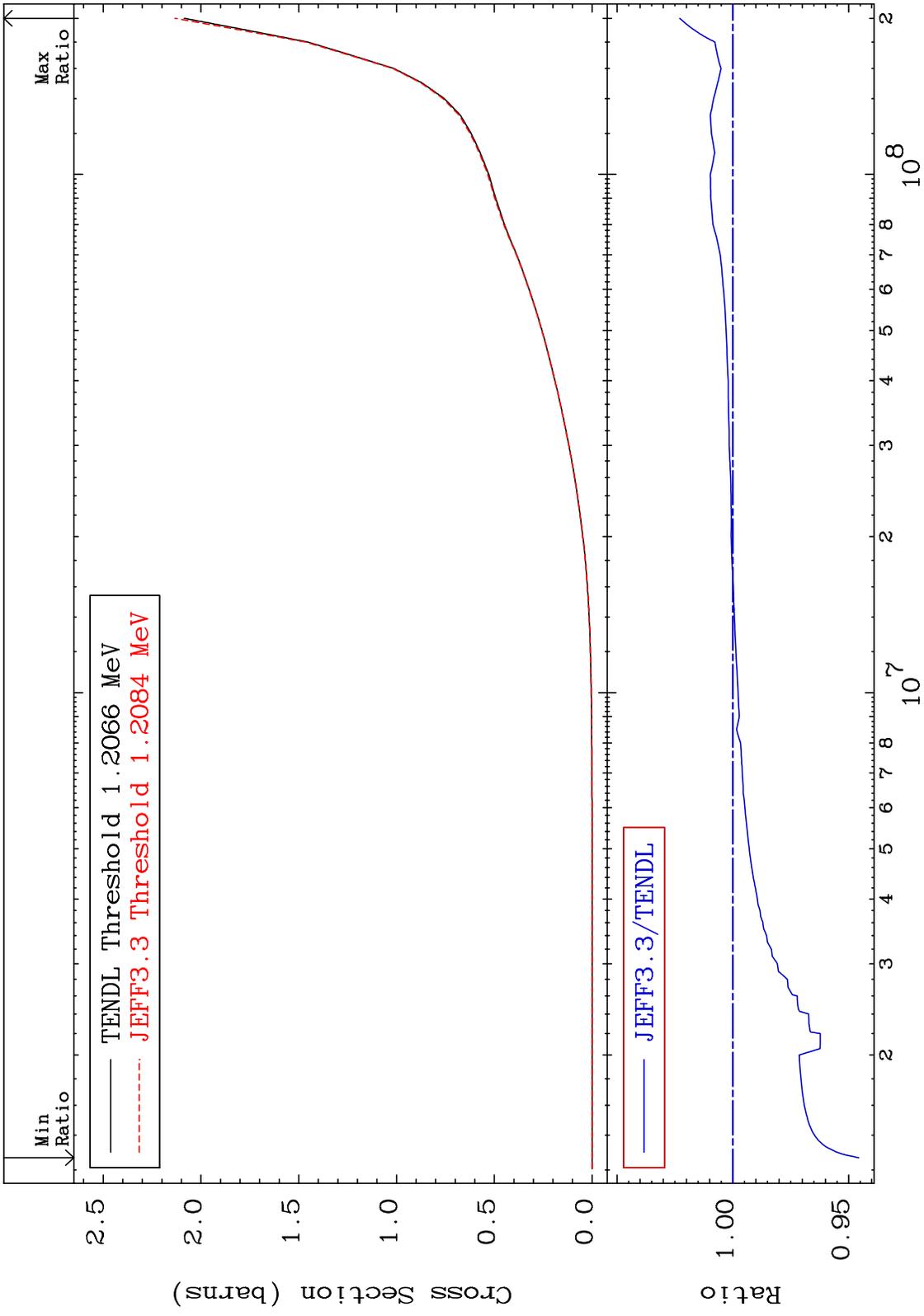


MAT 5231 (n,d) α 52-Te-122
 Cross Section 0.000 To 6502. %



62 52-Te-122 Incident Energy (eV)

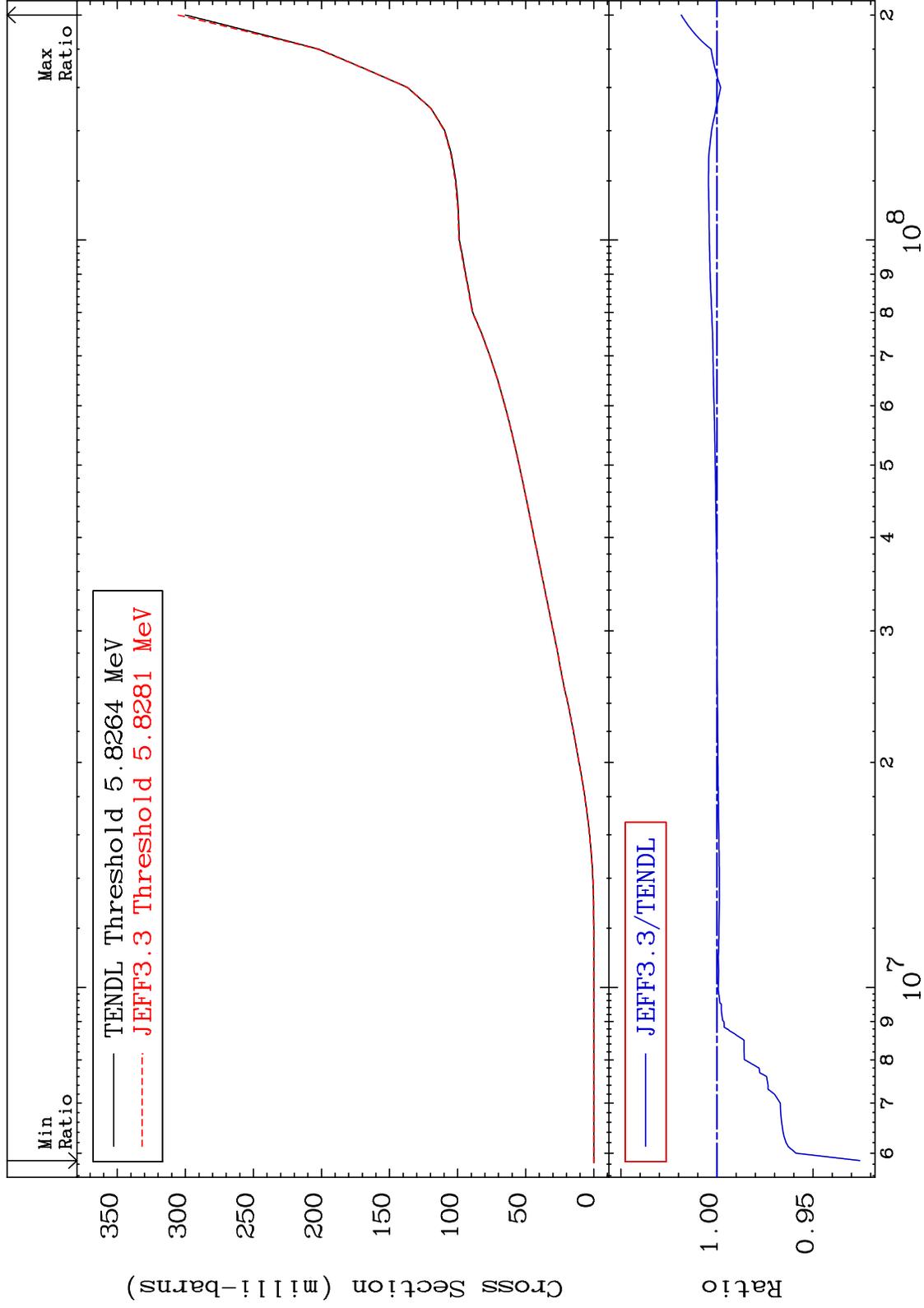
MAT 5231 Hydrogen Production Cross Section 52-Te-122 -5.440 To 2.290 %



MAT 5231

Deuterium Production
Cross Section

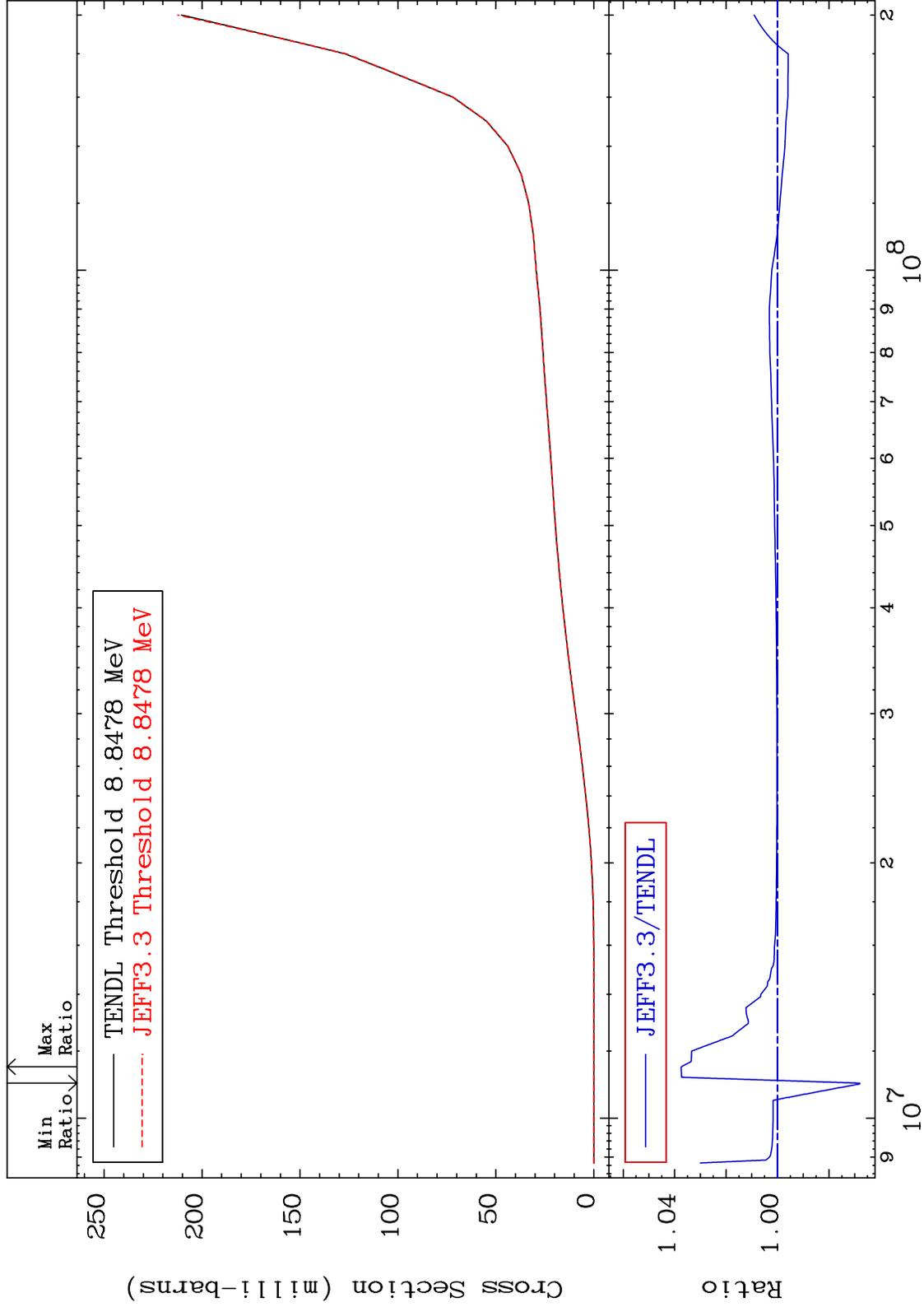
52-Te-122
-7.438 To 1.860 %



MAT 5231

Tritium Production
Cross Section

52-Te-122
-3.201 To 3.744 %



65

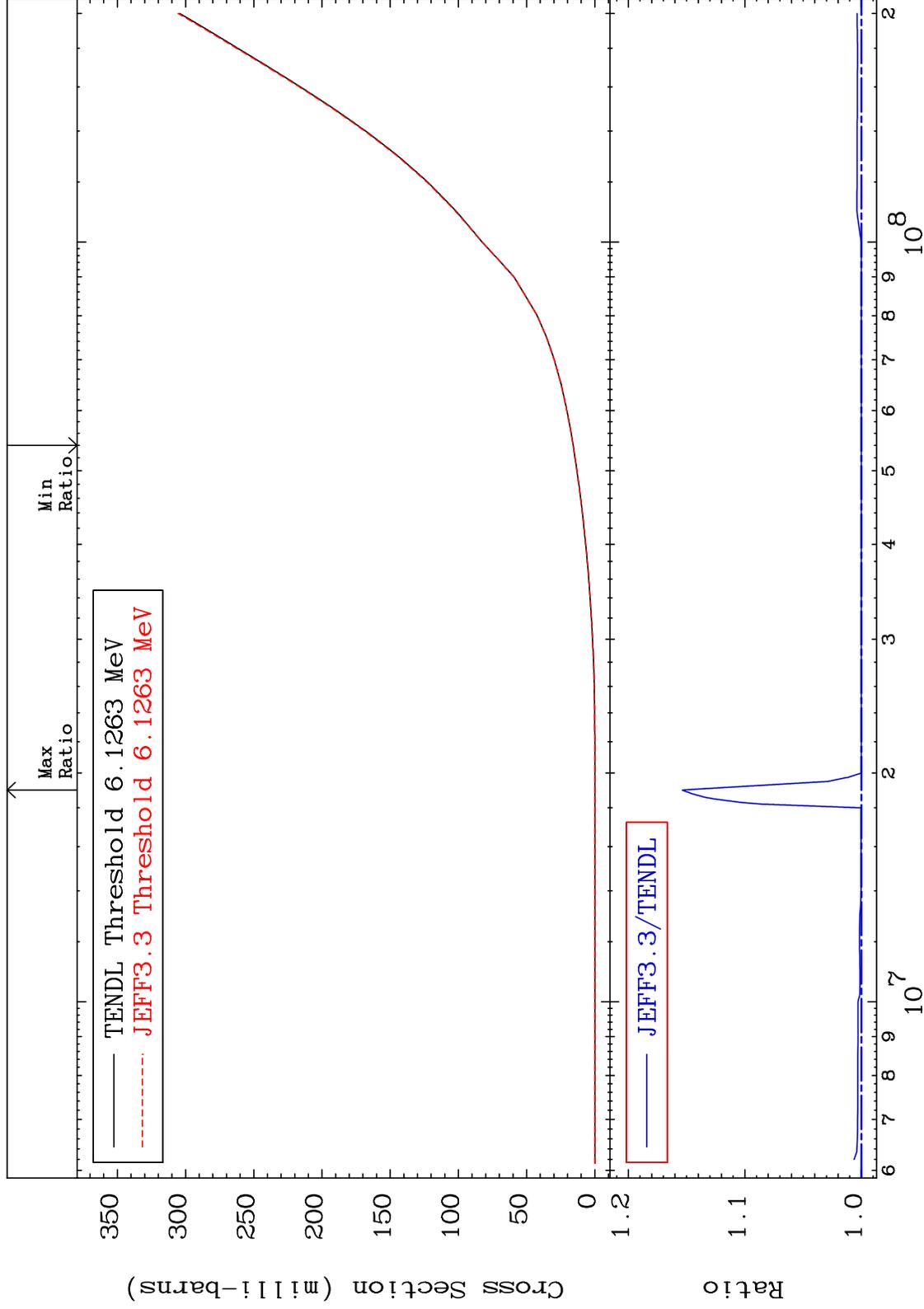
Incident Energy (eV)

52-Te-122

MAT 5231

He-3 Production
Cross Section

52-Te-122
To 15.36 %



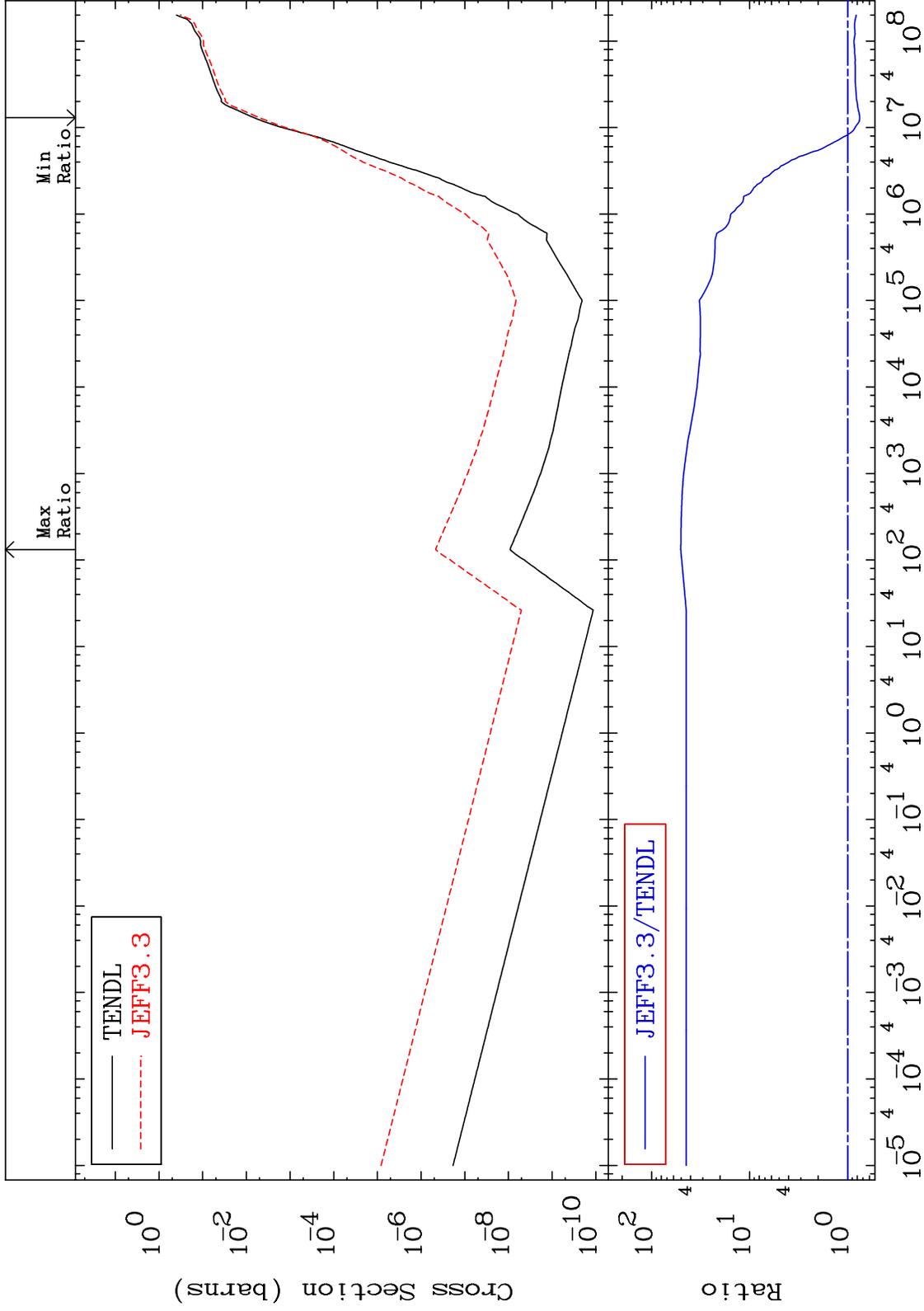
66

52-Te-122

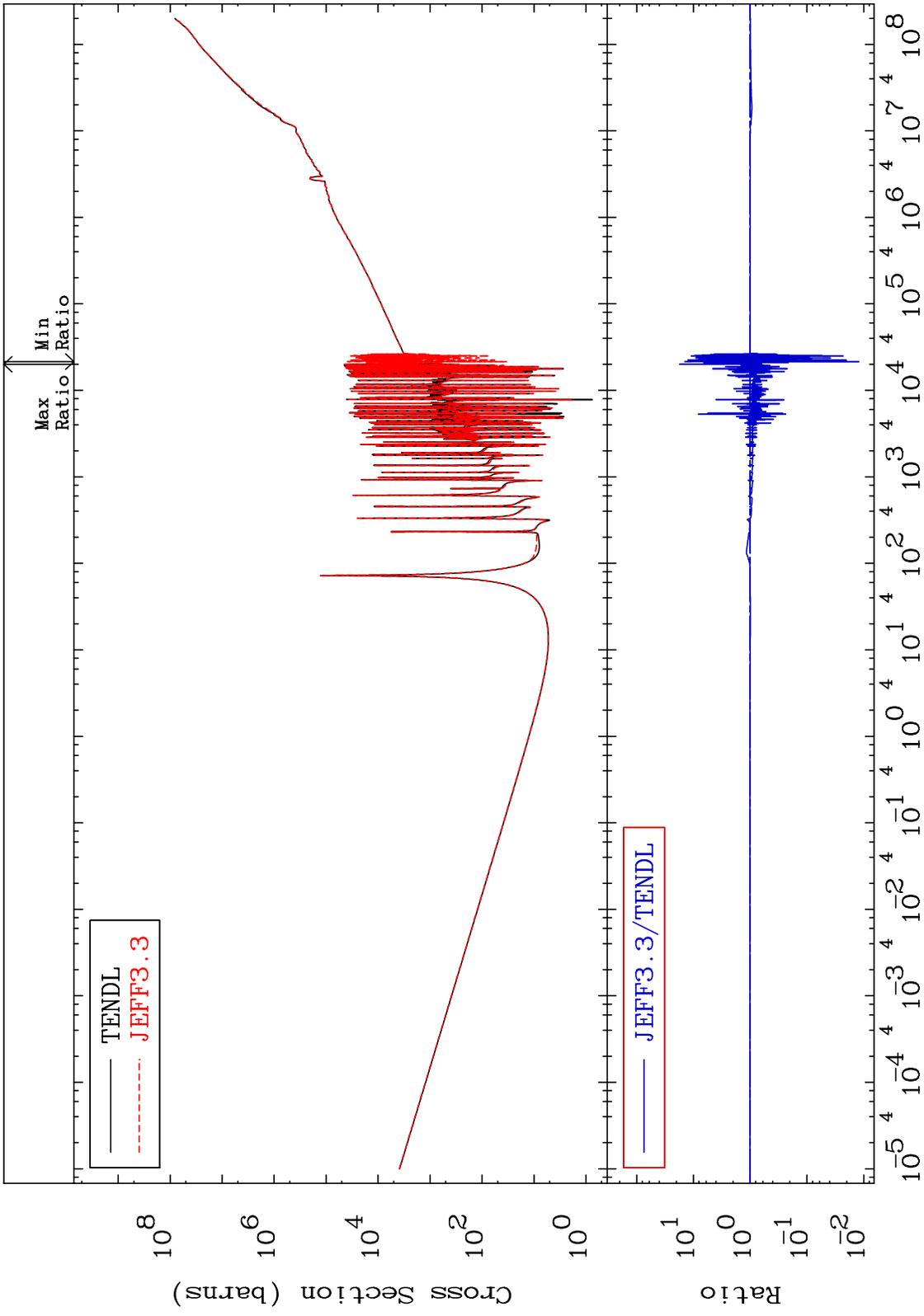
MAT 5231

He-4 Production
Cross Section

52-Te-122
-24.60 To 4943. %



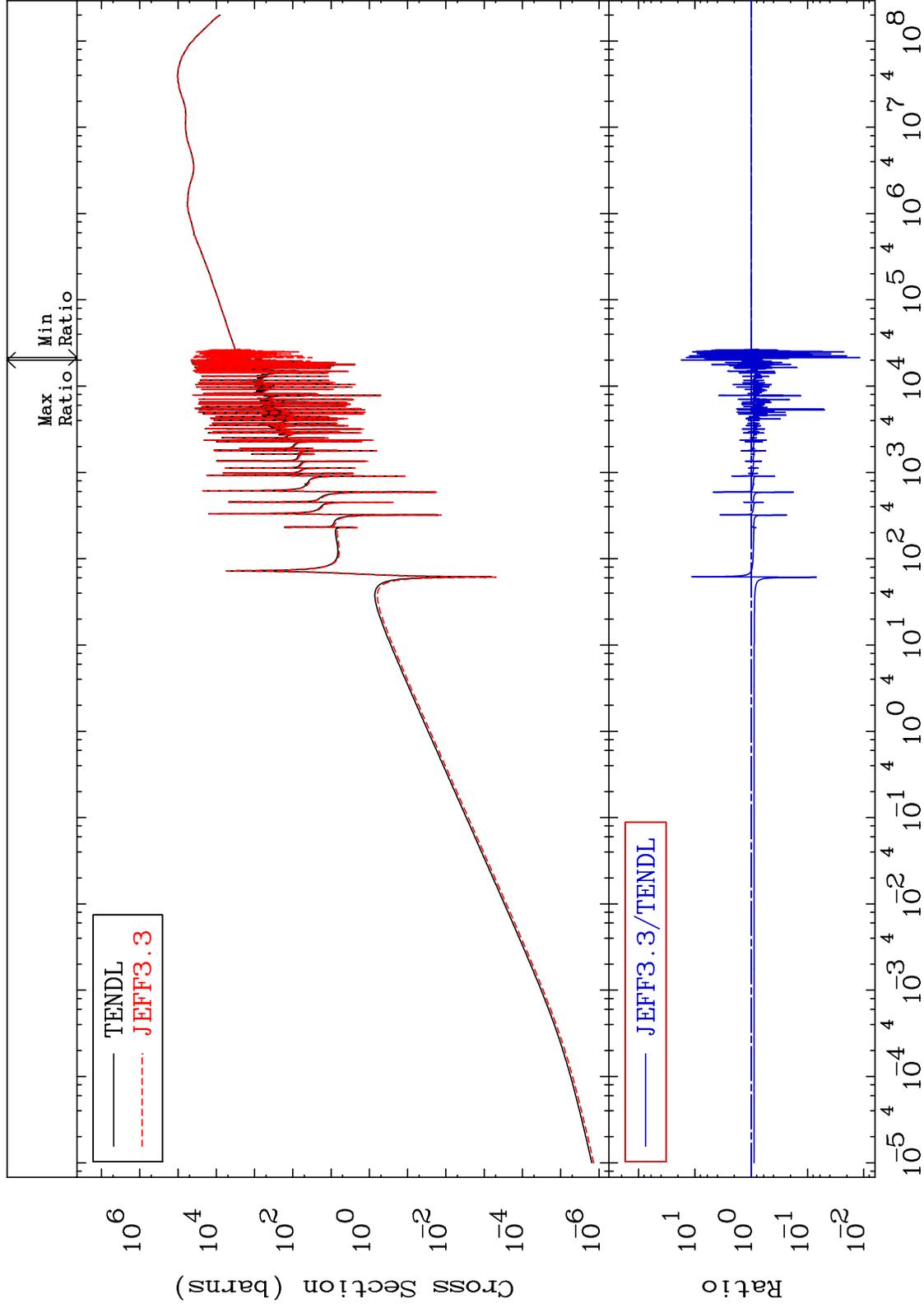
MAT 5231 Kerma total (eV-barns) 52-Te-122
 Cross Section -98.78 To 1645. %



MAT 5231

Kerma elastic
Cross Section

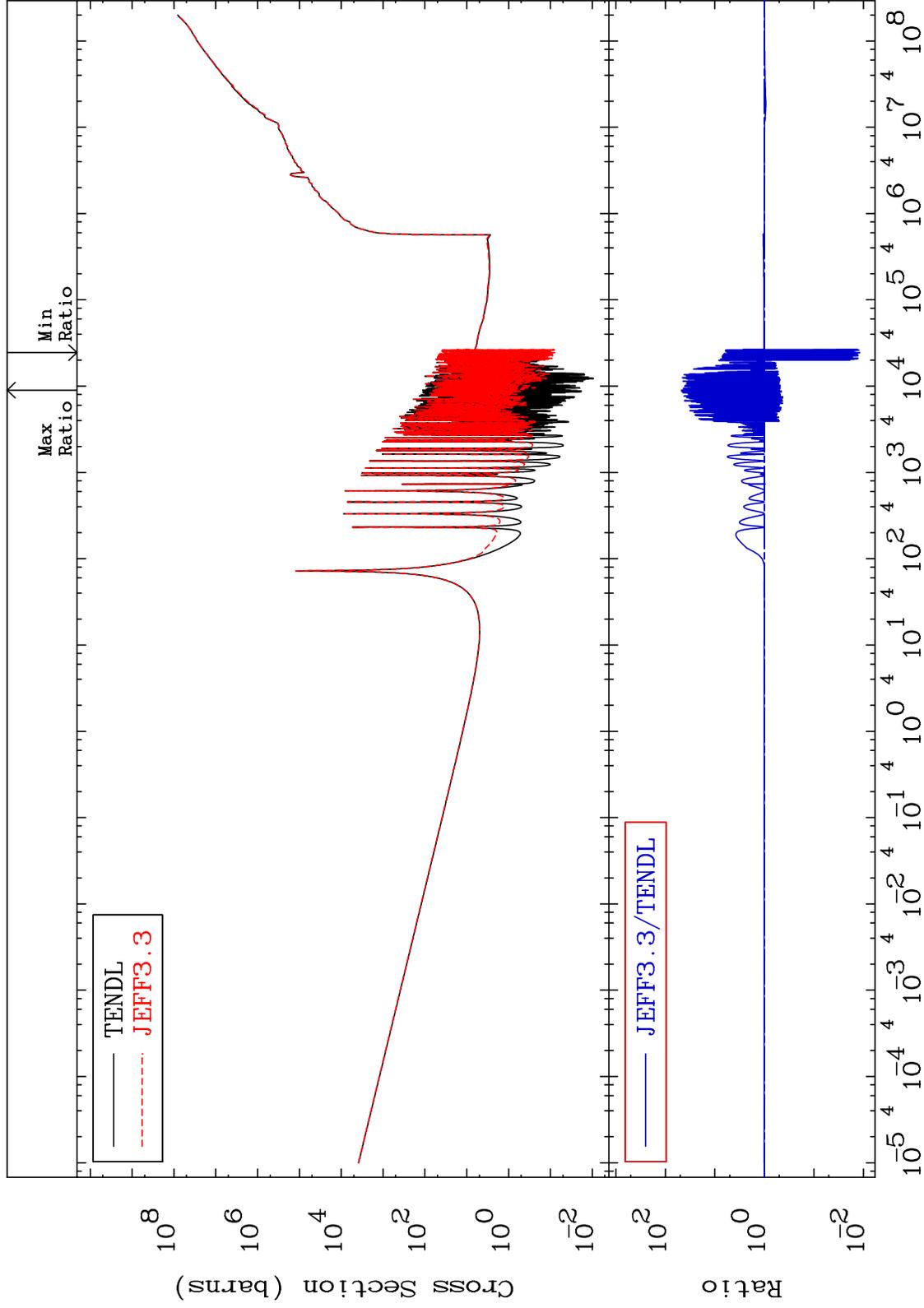
52-Te-122
-98.82 To 1649. %

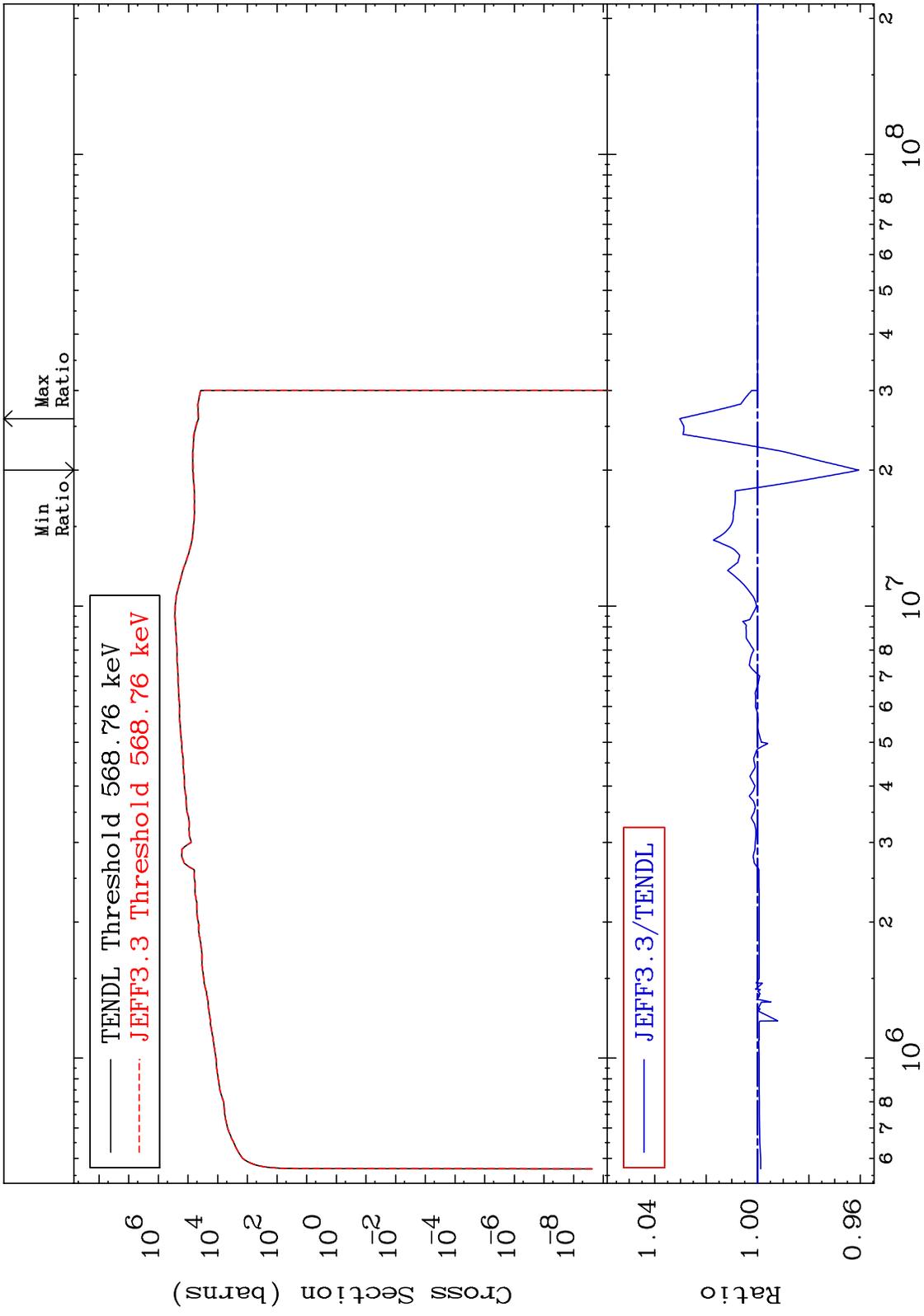


MAT 5231

Kerma non-elastic (all but mt2)
Cross Section

52-Te-122
-98.82 To 4684. %

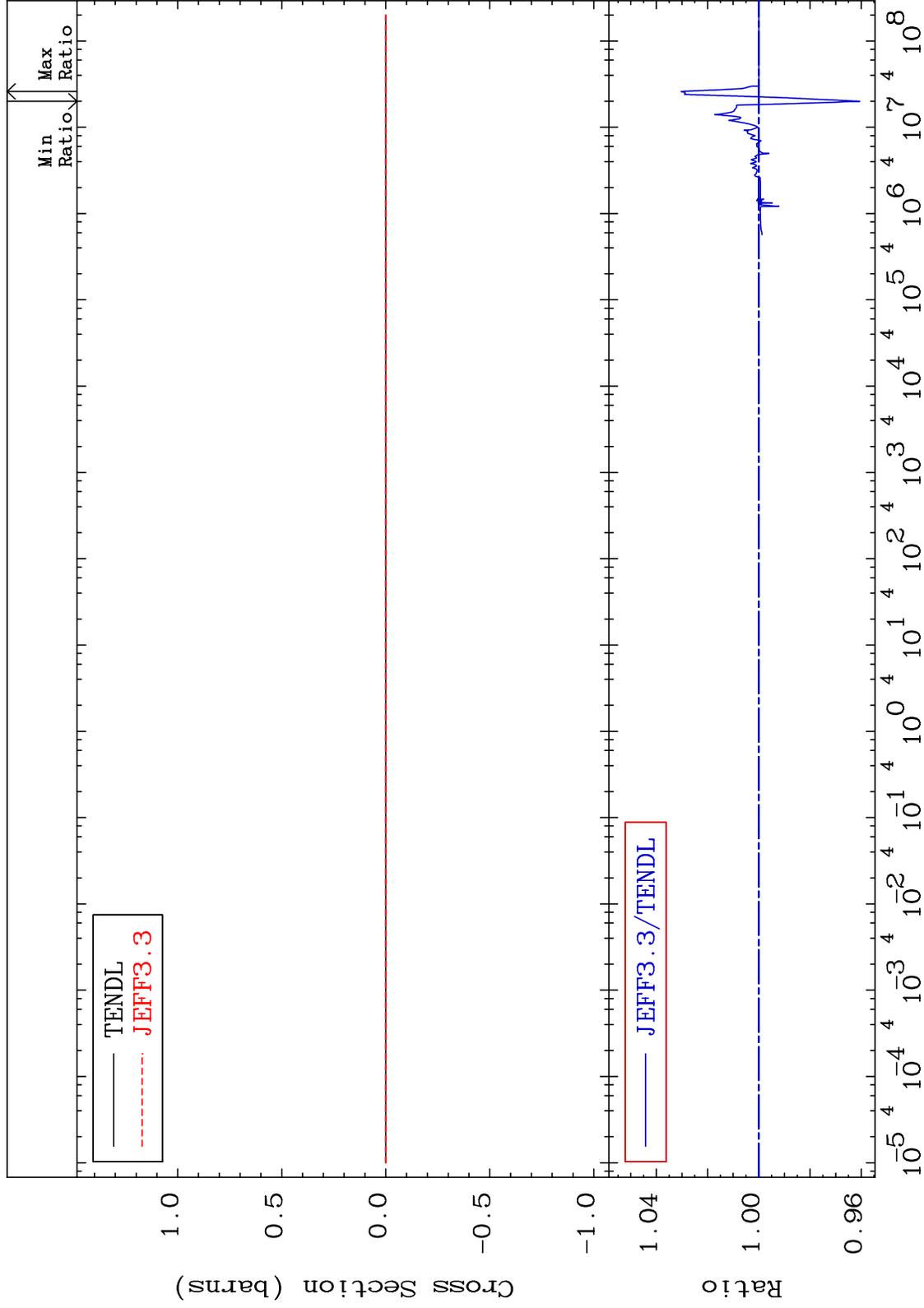




MAT 5231

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

52-Te-122
-3.944 To 3.029 %



72

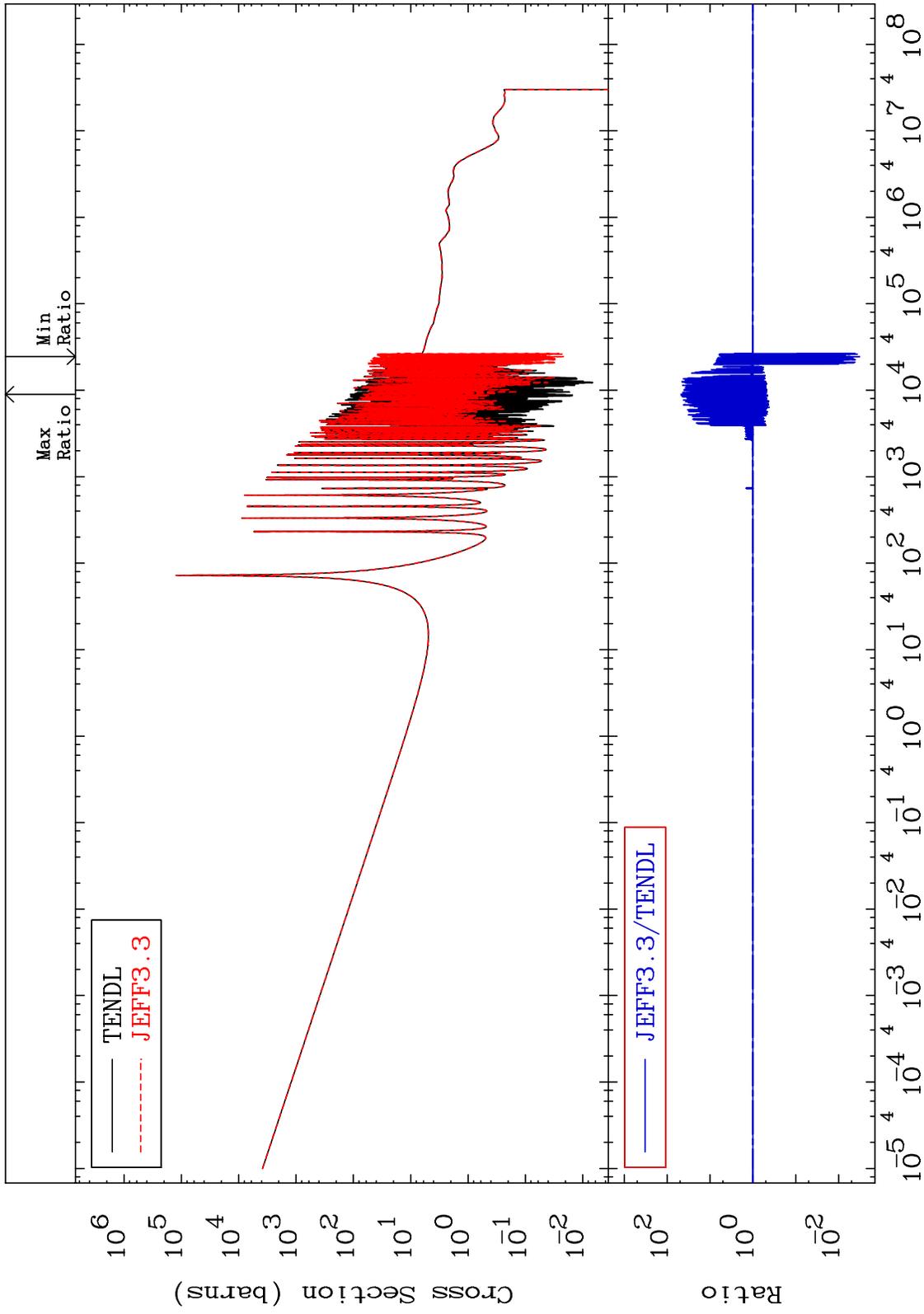
Incident Energy (eV)

52-Te-122

MAT 5231

Kerma capture (mt102)
Cross Section

52-Te-122
-99.68 To 4714. %



73

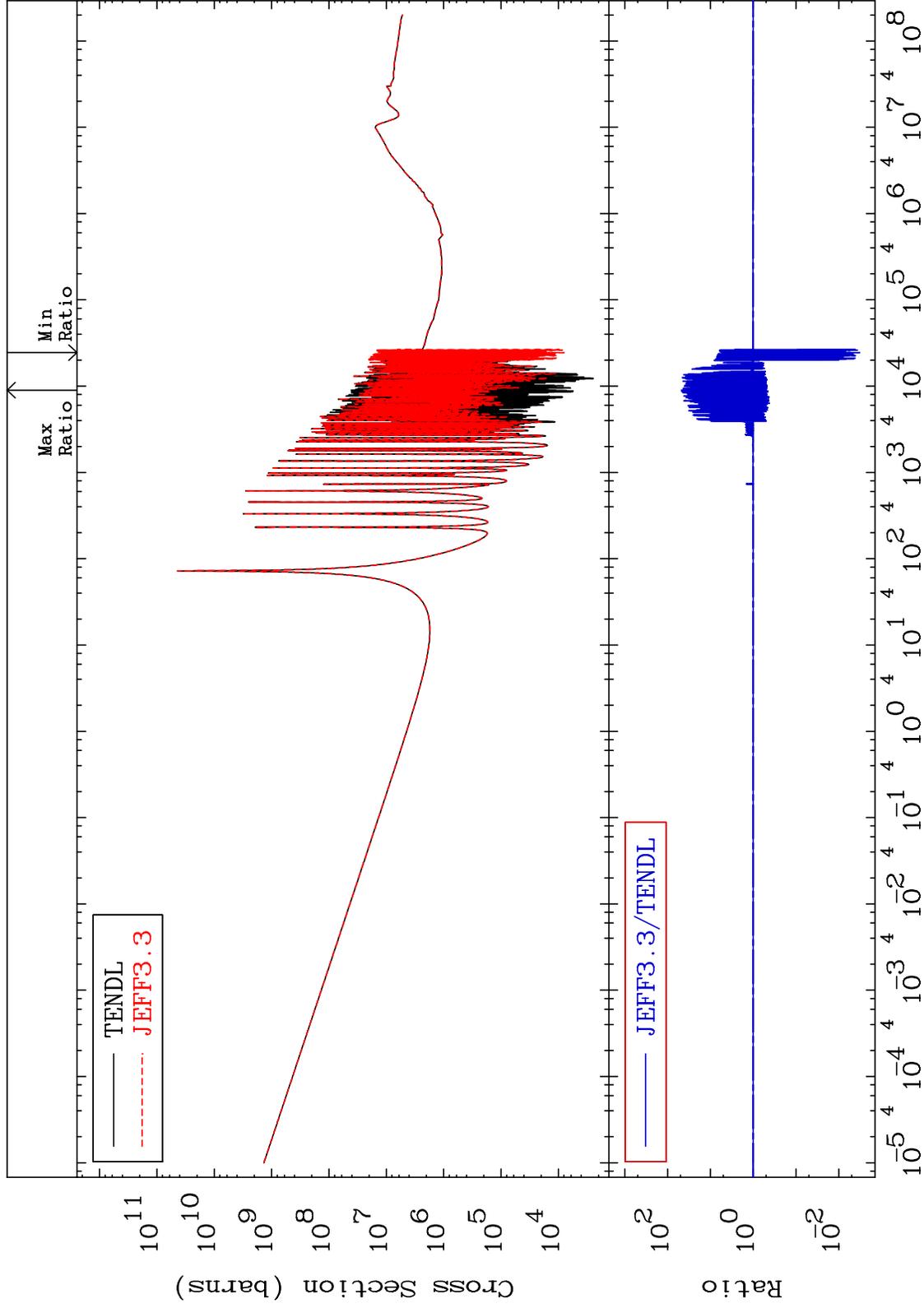
Incident Energy (eV)

52-Te-122

MAT 5231

Total photon (eV-barns)
Cross Section

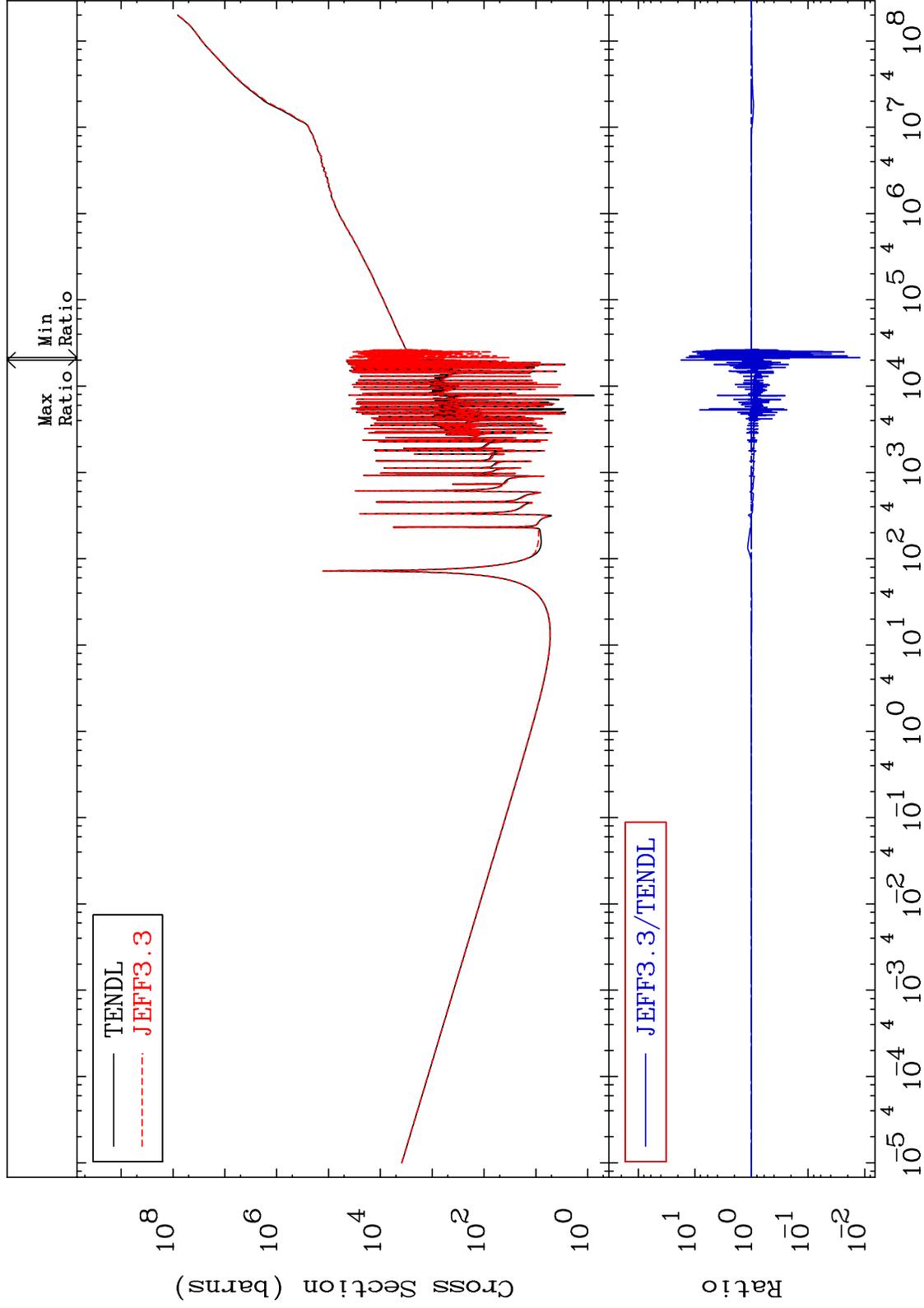
52-Te-122
-99.68 To 4714. %



MAT 5231

Total kinematic kerma (high limit)
Cross Section

52-Te-122
-98.78 To 1645. %



75

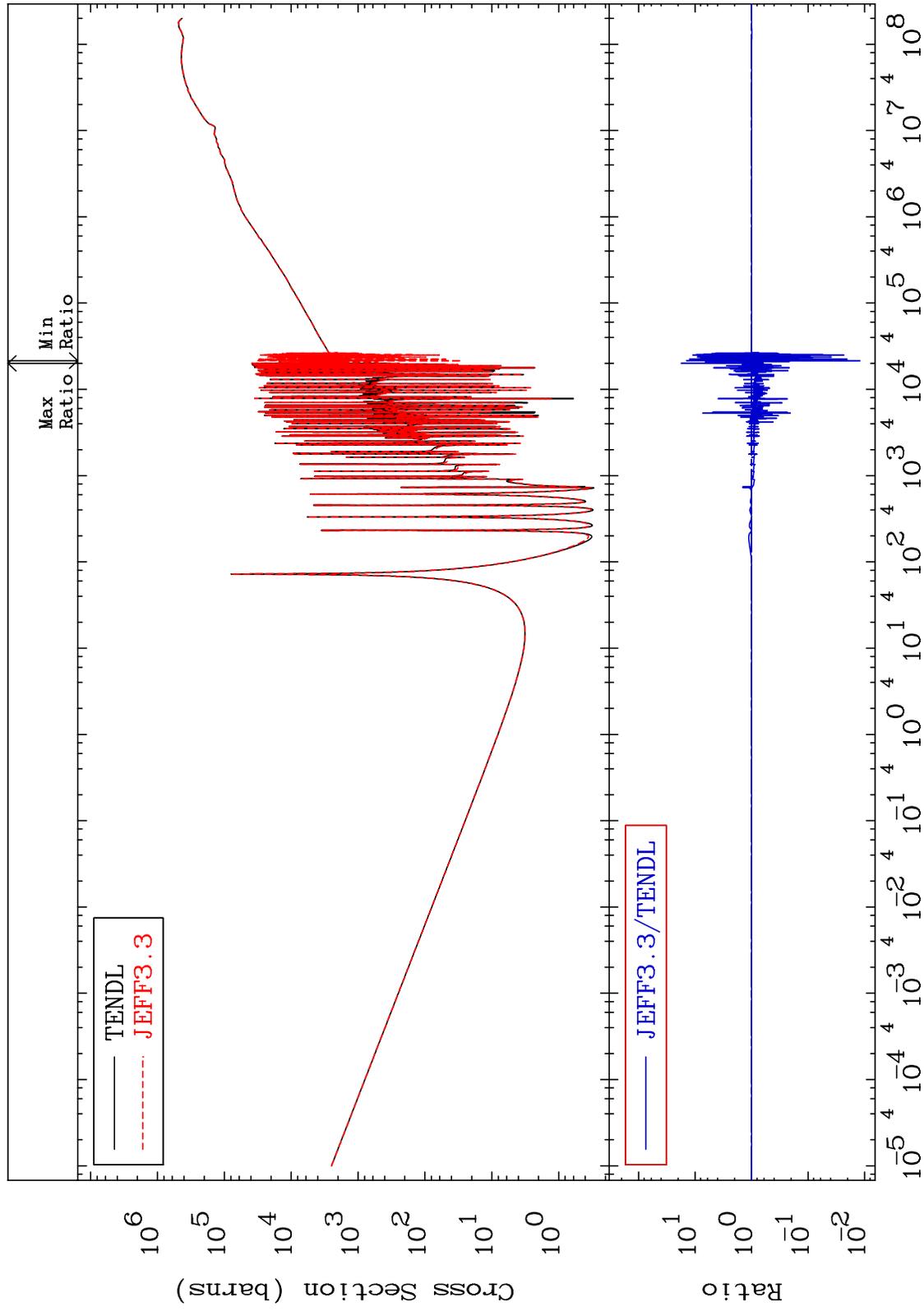
Incident Energy (eV)

52-Te-122

MAT 5231

Dpa total (eV-barns)
Cross Section

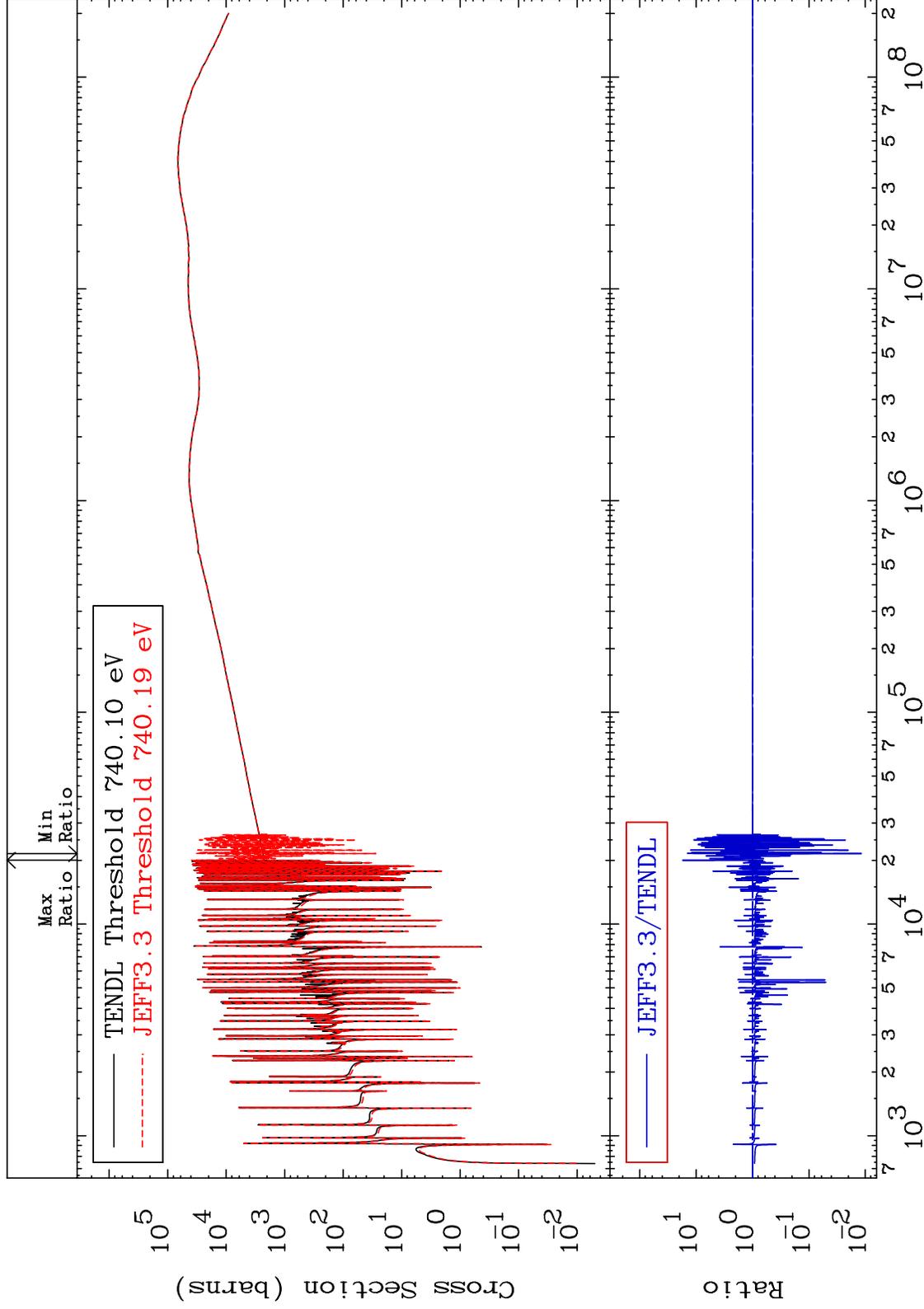
52-Te-122
-98.79 To 1646. %



MAT 5231

Dpa elastic (mt2)
Cross Section

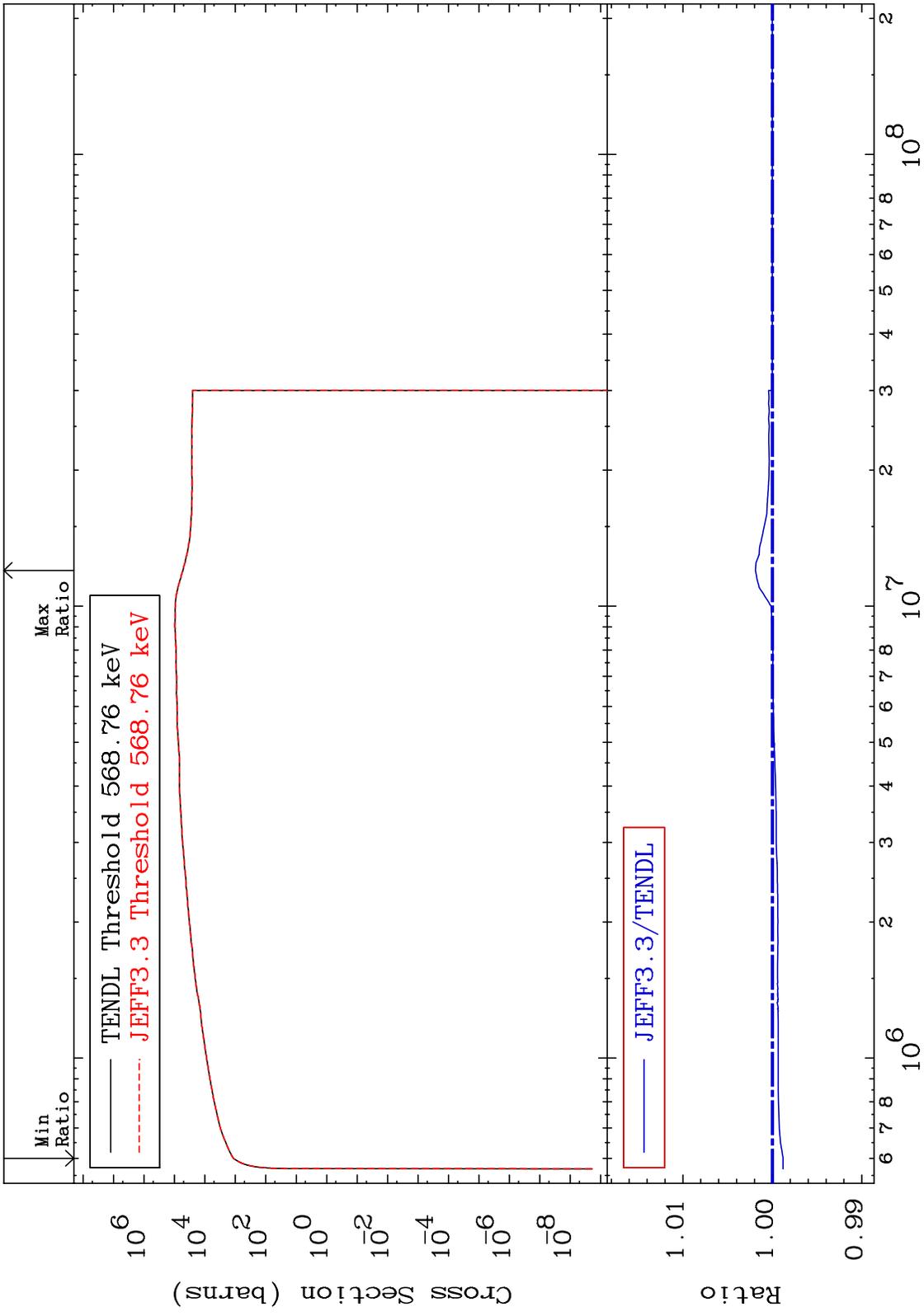
52-Te-122
-98.82 To 1649. %



77

52-Te-122

MAT 5231 Dpa inelastic (mt51-91) 52-Te-122
 Cross Section -0.120 To 0.189 %

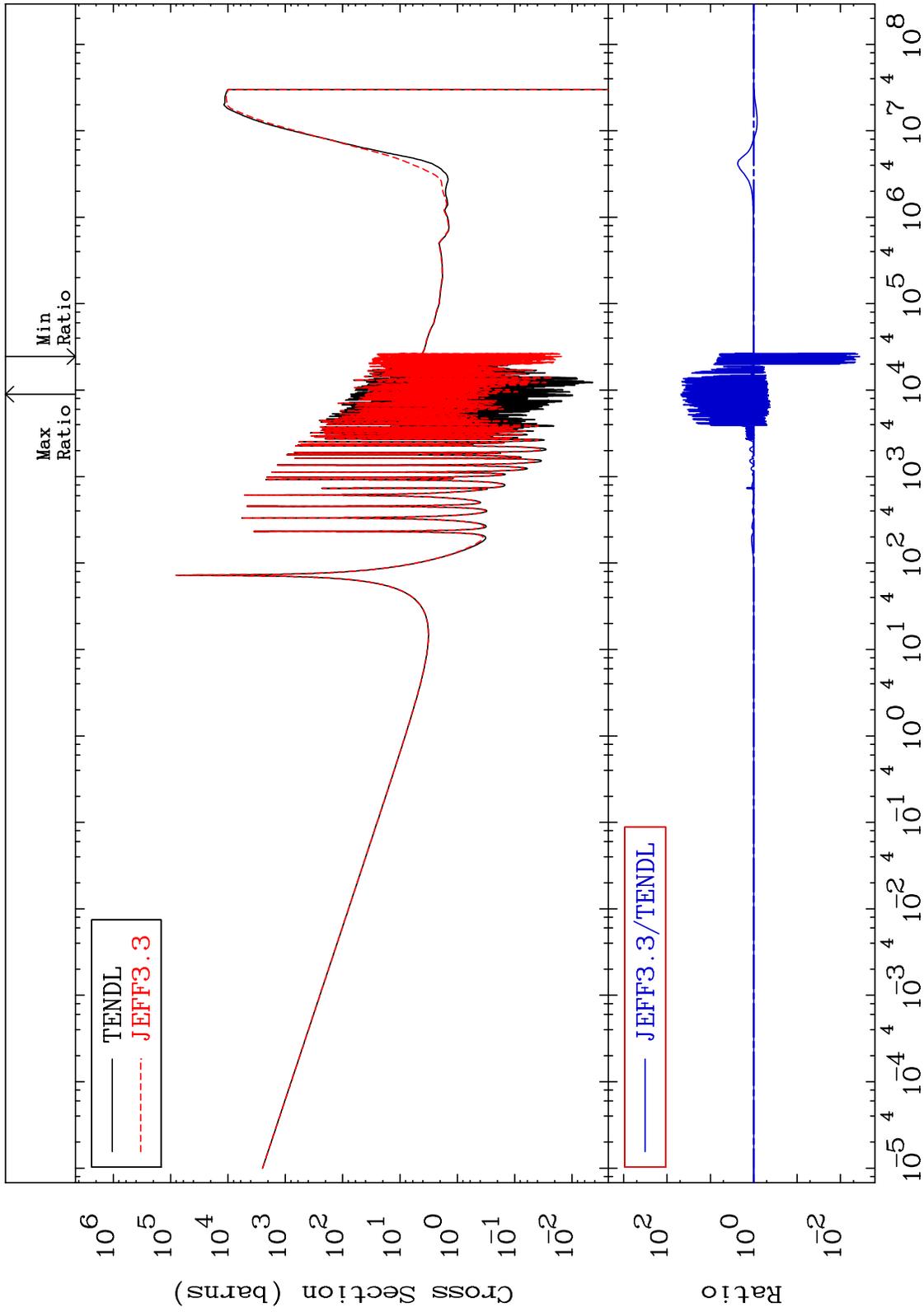


78 Incident Energy (eV) 52-Te-122

MAT 5231

Dpa disappearance (mt102 -120)
Cross Section

52-Te-122
-99.64 To 4714. %

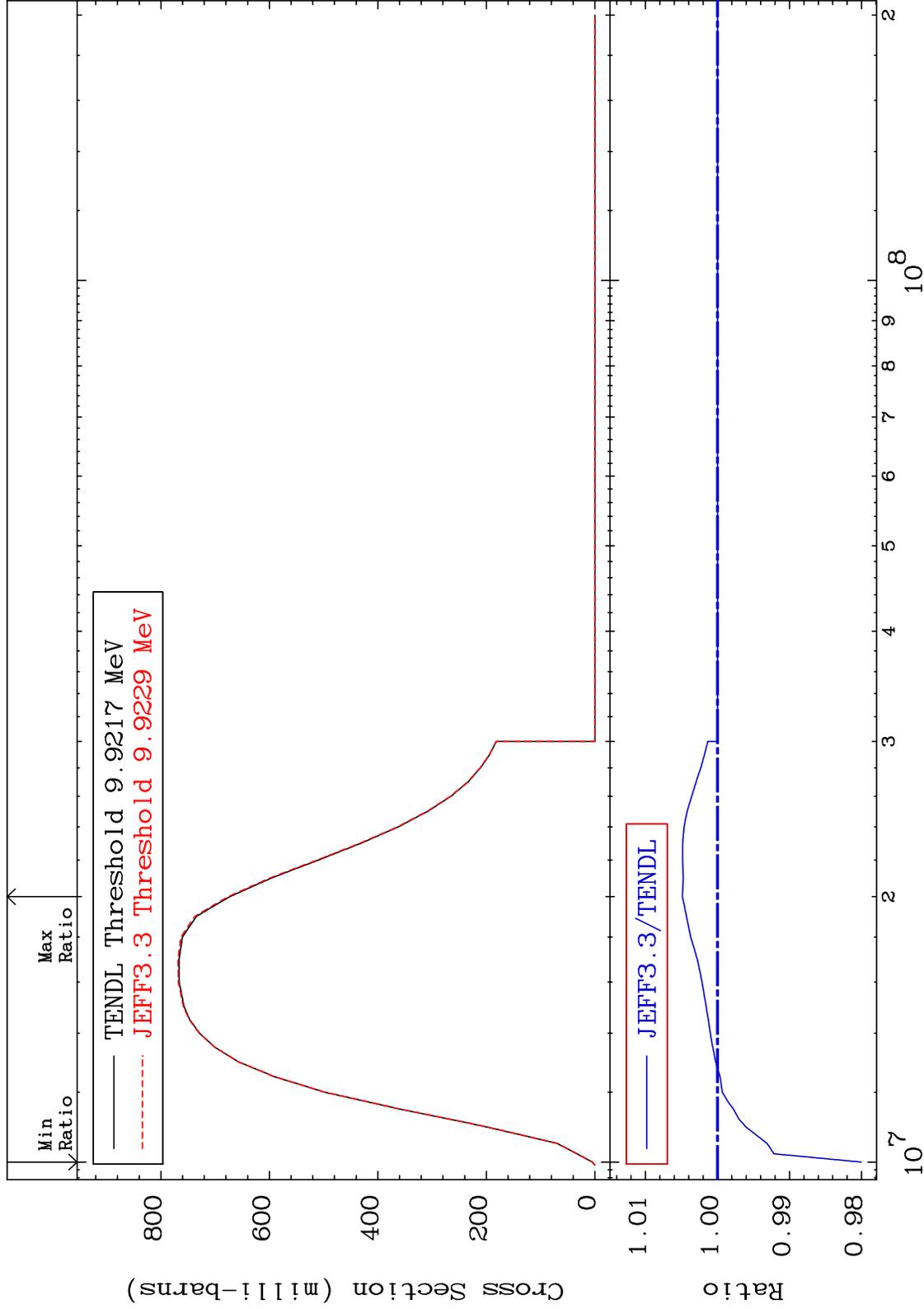


MAT 5231

(n,2n):52-Te-121g

52-Te-122

Radionuclide Production Cross Section -1.997 To 0.487 %



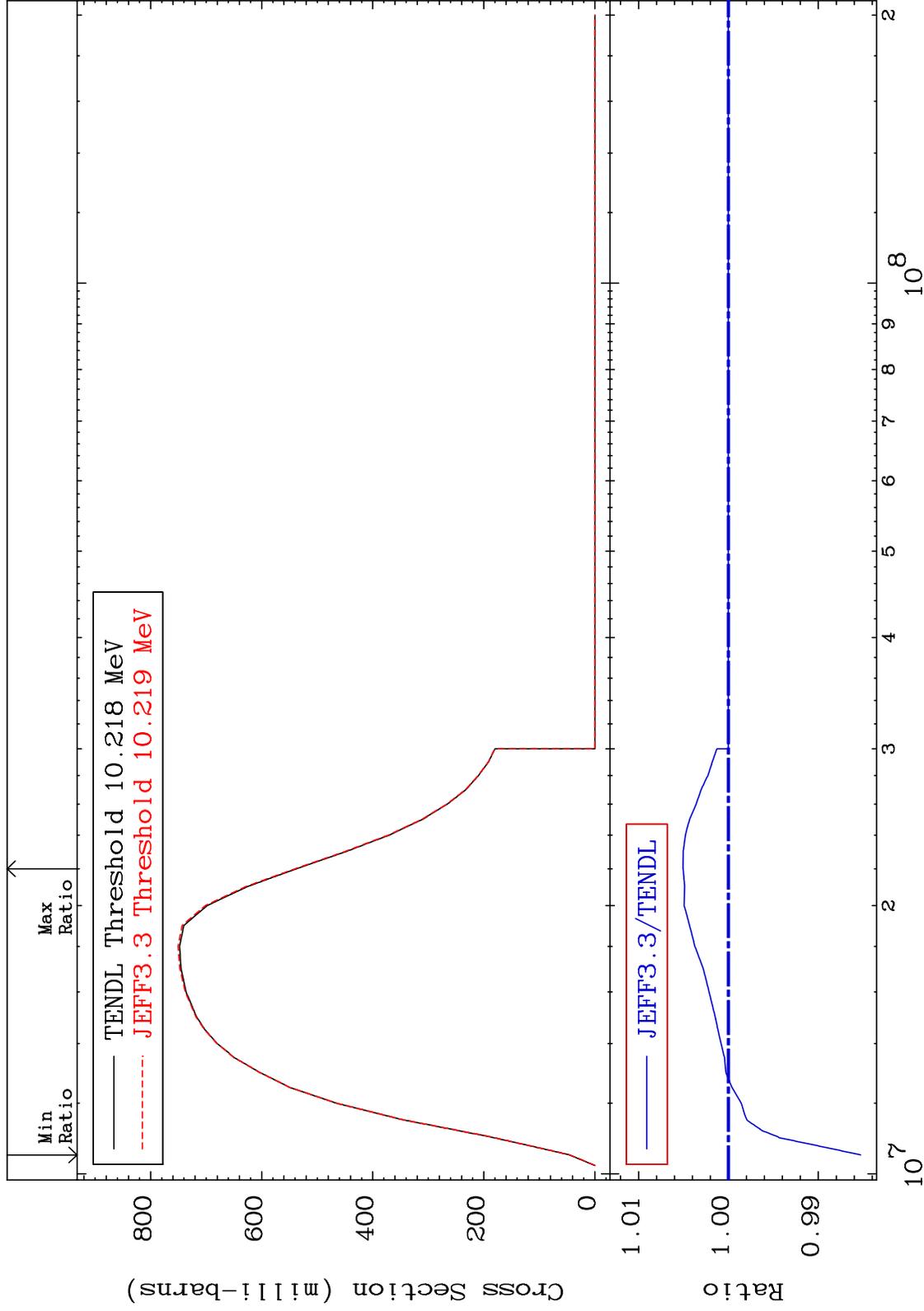
52-Te-122

MAT 5231

(n,2n):52-Te-121m2

52-Te-122

Radionuclide Production Cross Section -1.471 To 0.504 %

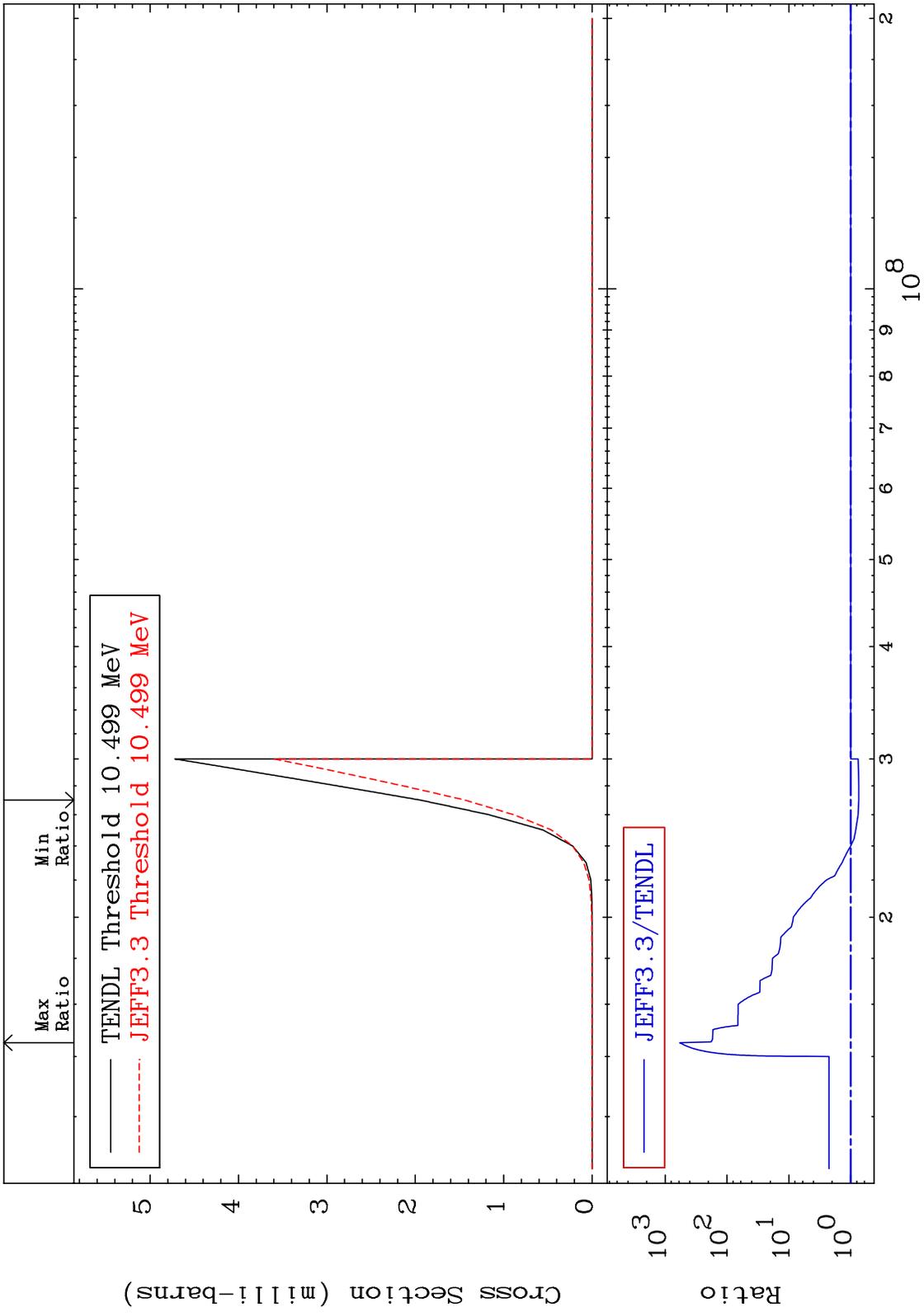


81

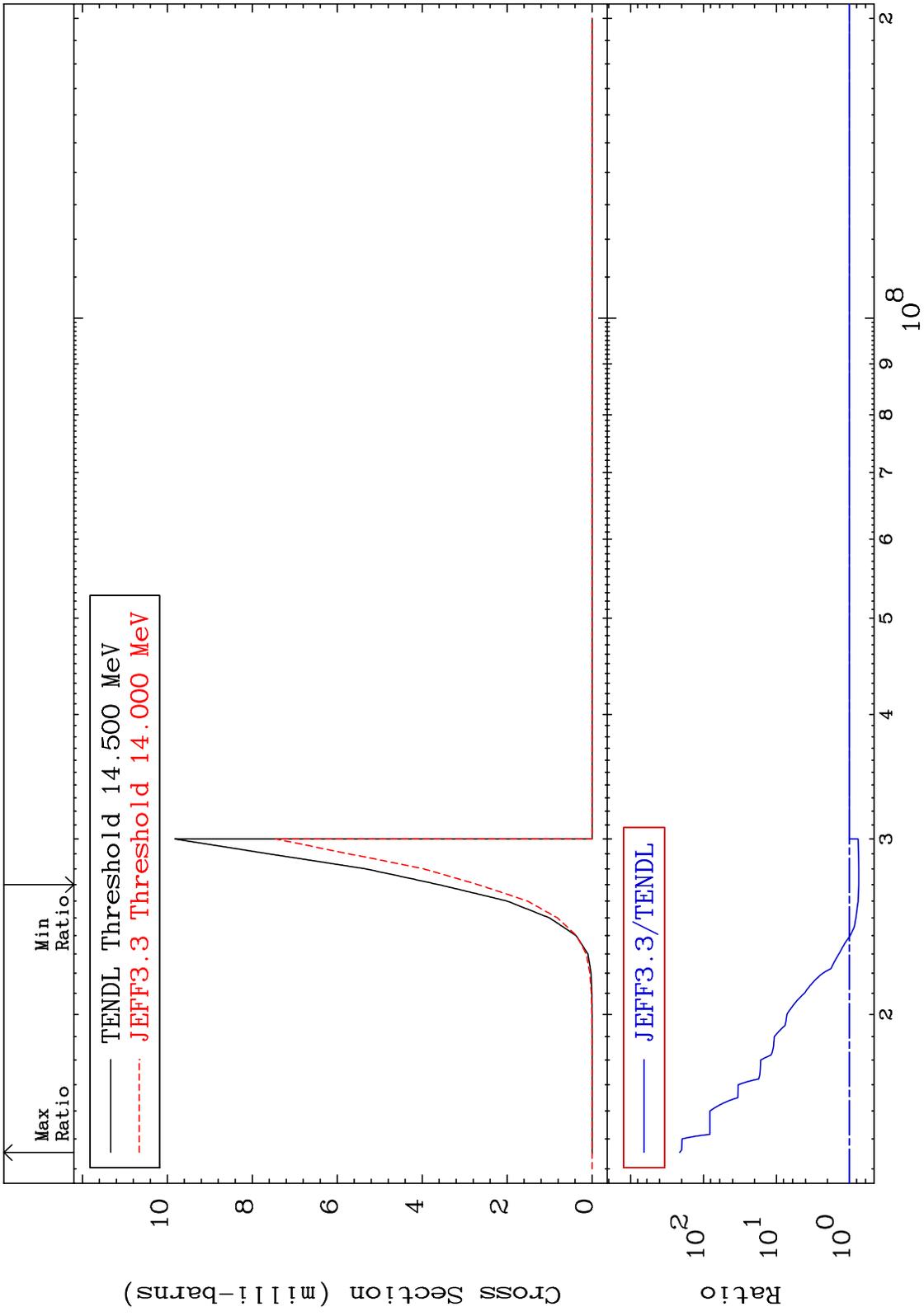
Incident Energy (eV)

52-Te-122

MAT 5231 (n,2n) α :50-Sn-117g 52-Te-122
 Radionuclide Production Cross Section -25.95 To 9999. %



MAT 5231 (n,2n) α :50-Sn-117m2 52-Te-122
 Radionuclide Production Cross Section -25.71 To 9999. %

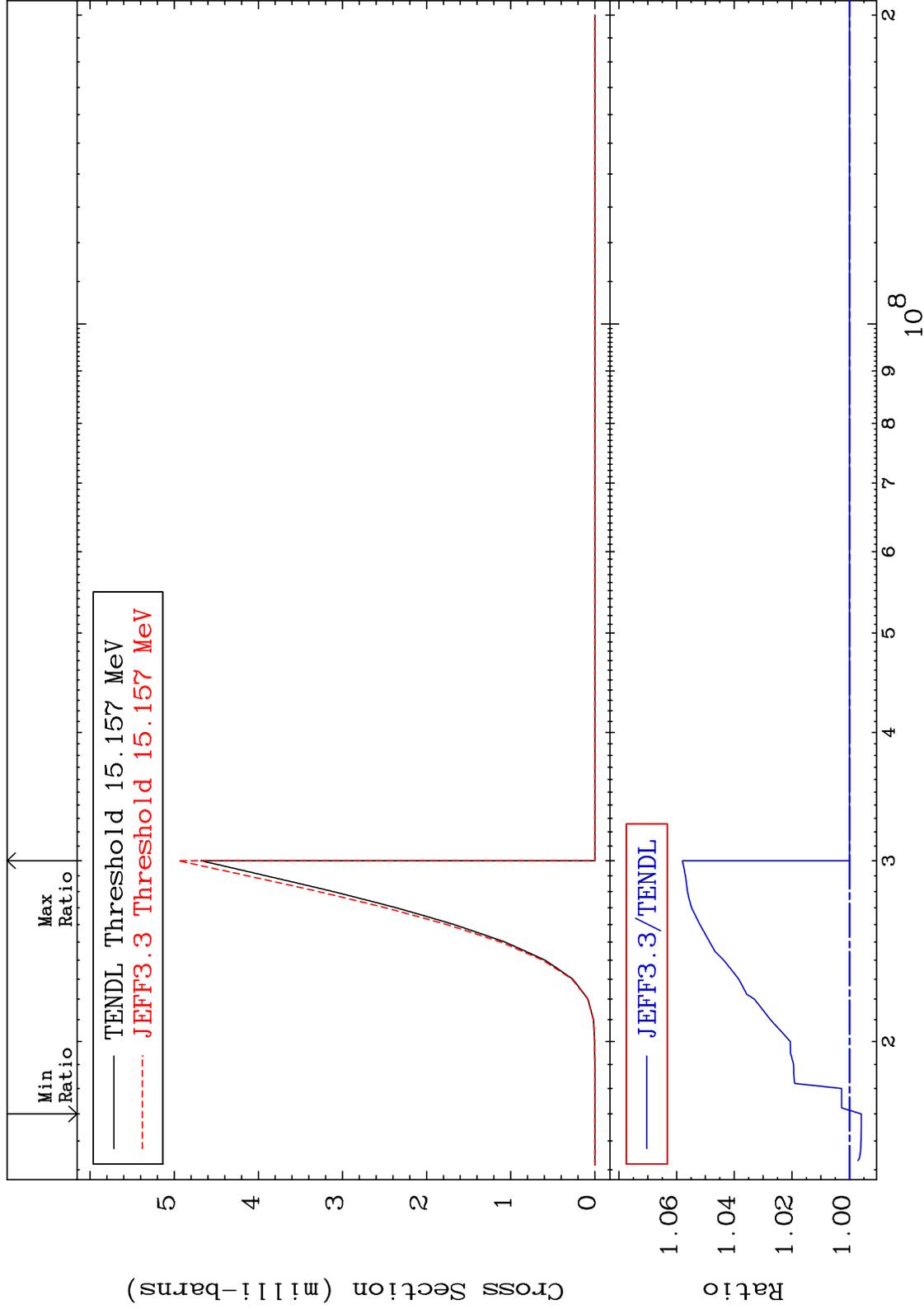


MAT 5231

(n, n') d:51-Sb-120g

52-Te-122

Radionuclide Production Cross Section -0.408 To 5.798 %

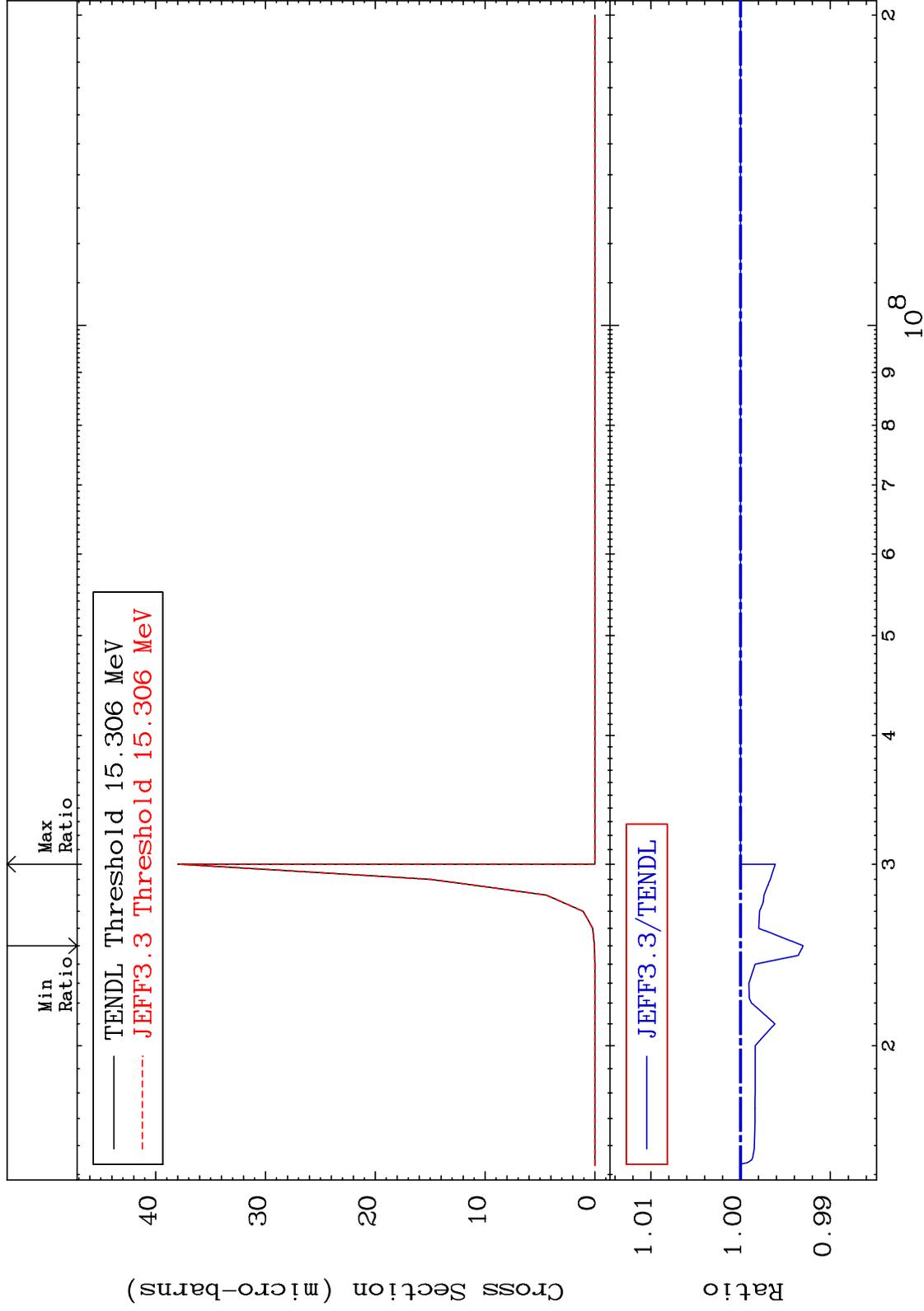


MAT 5231

(n,n') He-3:50-Sn-119g

52-Te-122

Radionuclide Production Cross Section -0.698 To 0.000 %



85

Incident Energy (eV)

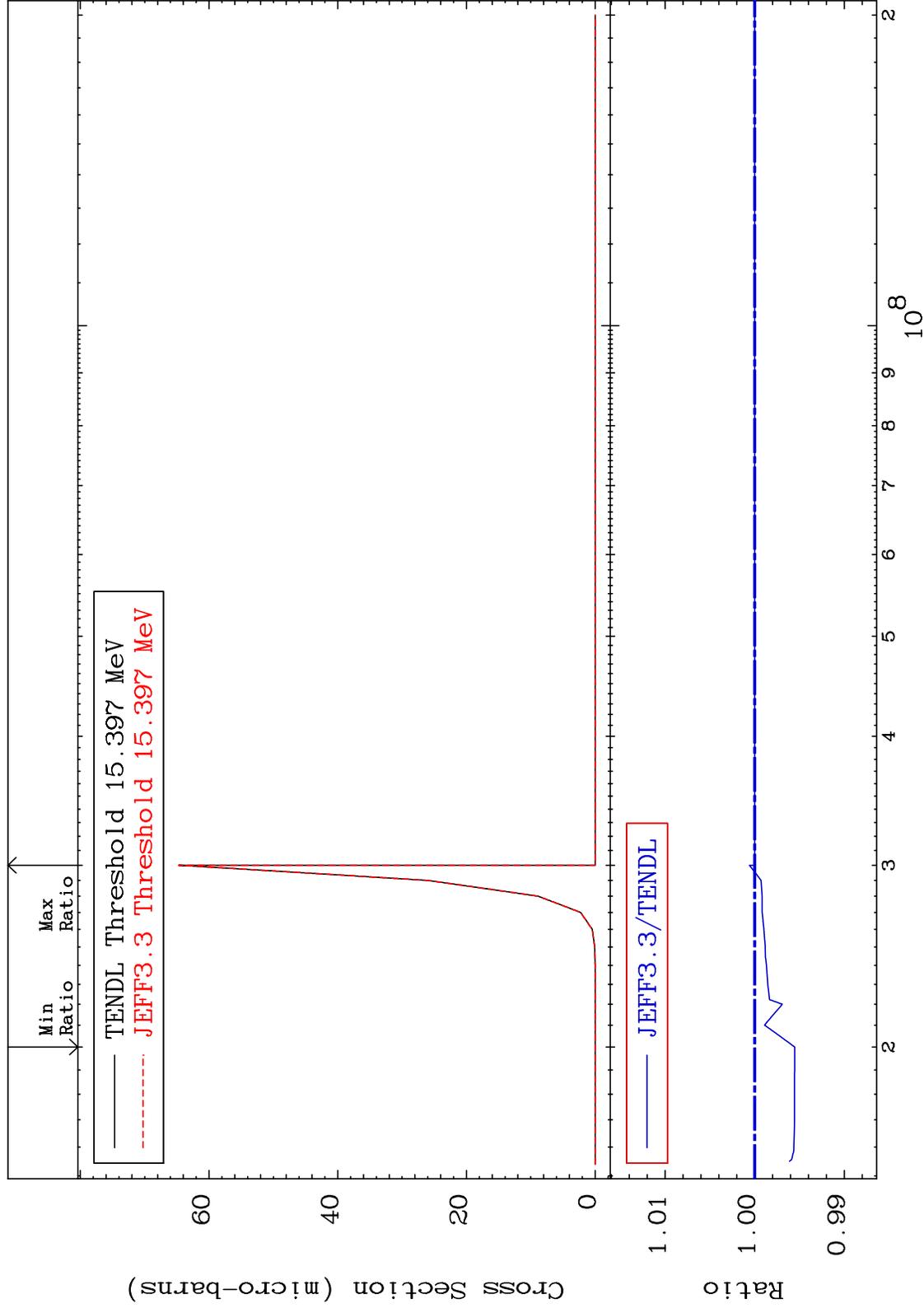
52-Te-122

MAT 5231

(n, n') He-3:50-Sh-119m2

52-Te-122

Radionuclide Production Cross Section -0.446 To 0.059 %

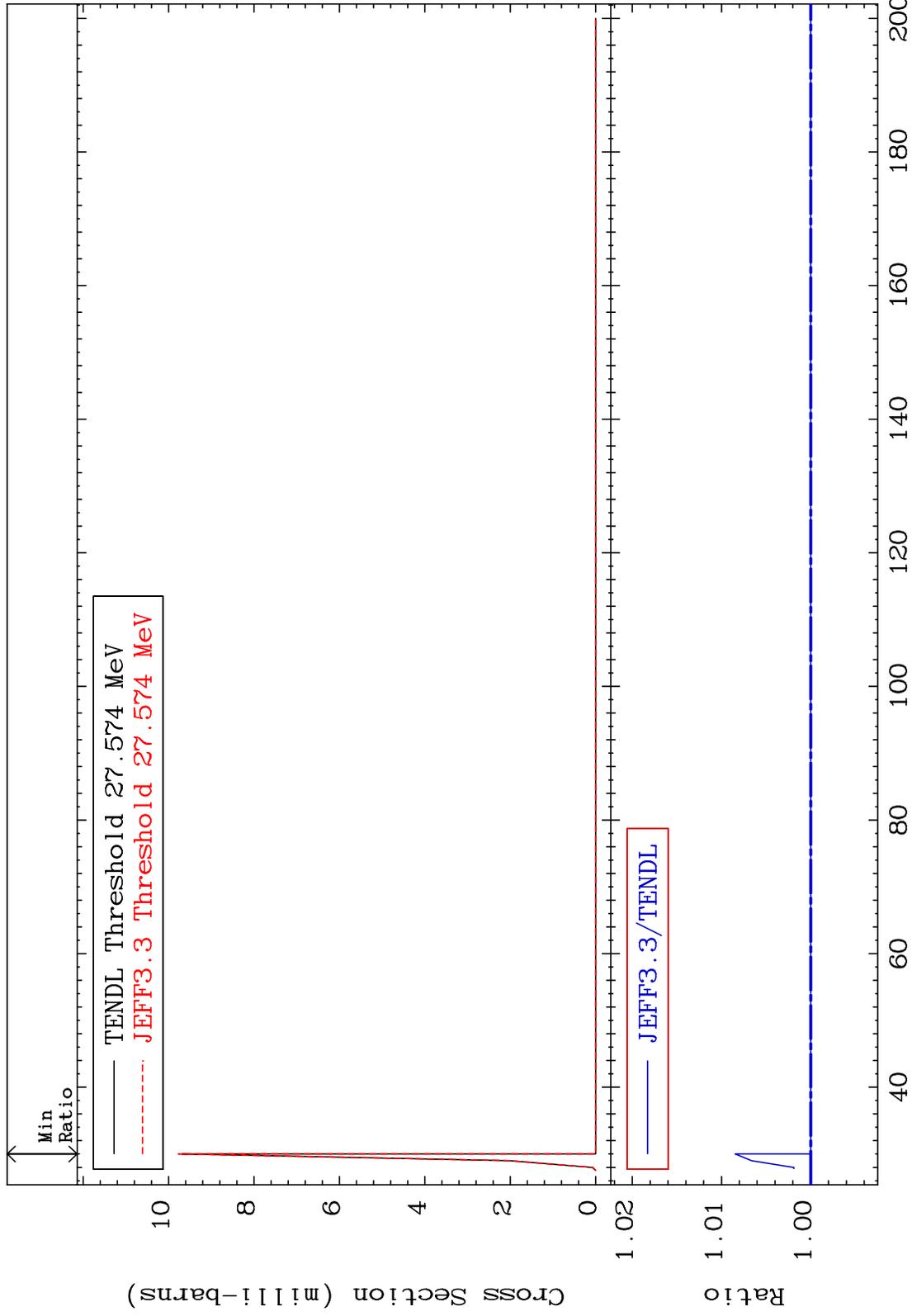


MAT 5231

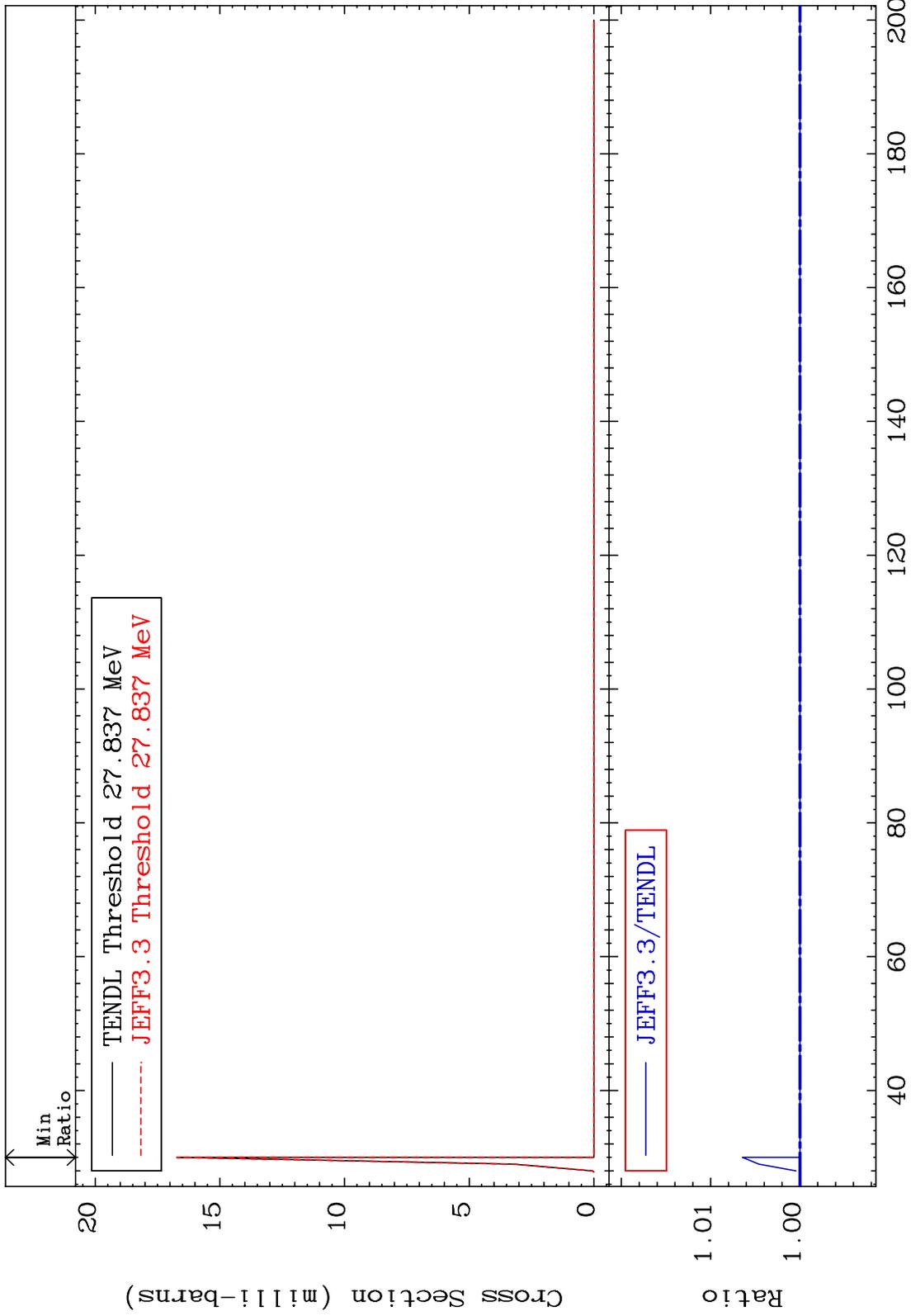
(n,4n):52-Te-119g

52-Te-122

Radionuclide Production Cross Section 0.000 To 0.847 %



MAT 5231 (n,4n):52-Te-119m2 52-Te-122
Radionuclide Production Cross Section 0.000 To 0.645 %

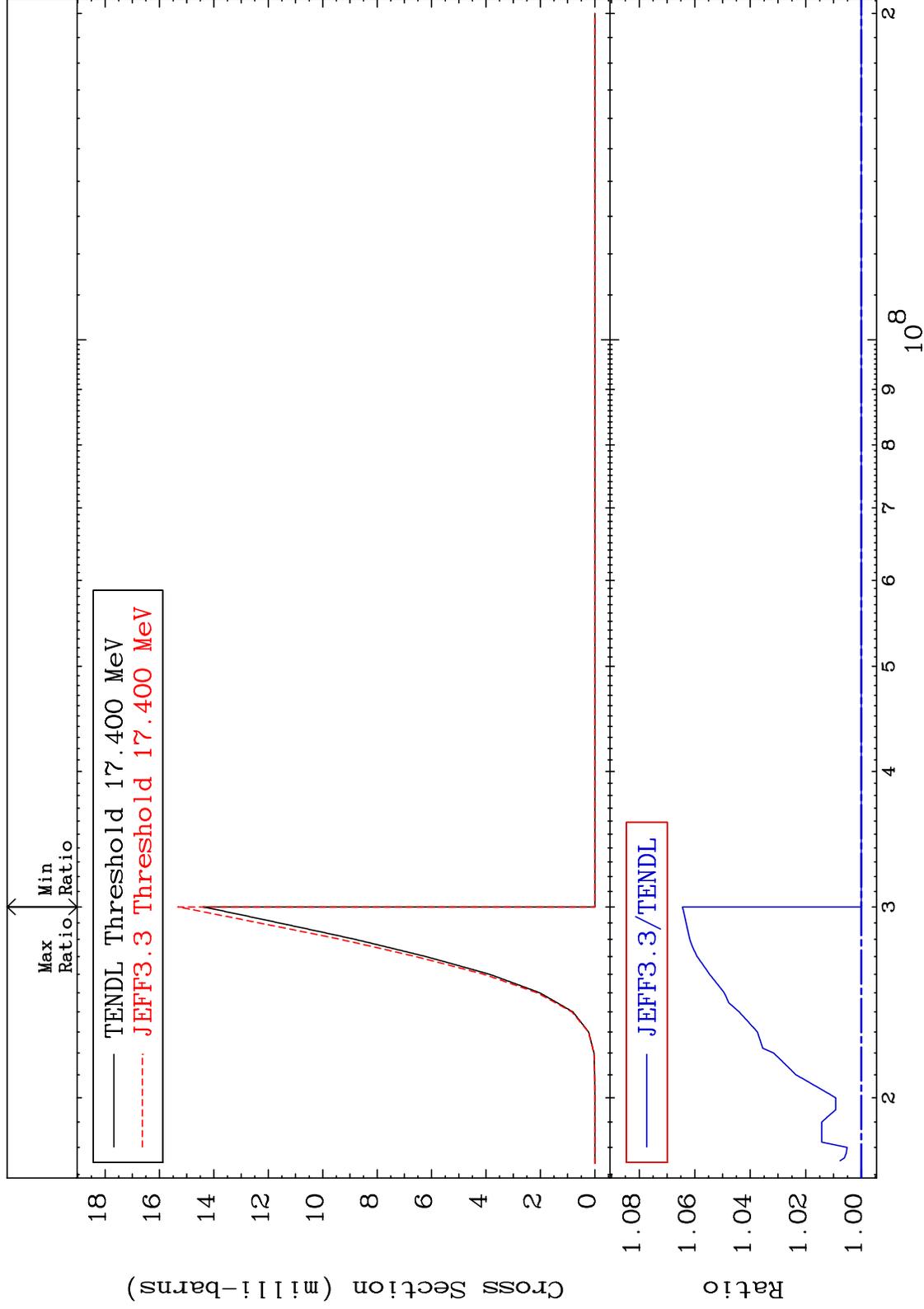


MAT 5231

(n,2n) p:51-Sb-120g

52-Te-122

Radionuclide Production Cross Section 0.000 To 6.443 %

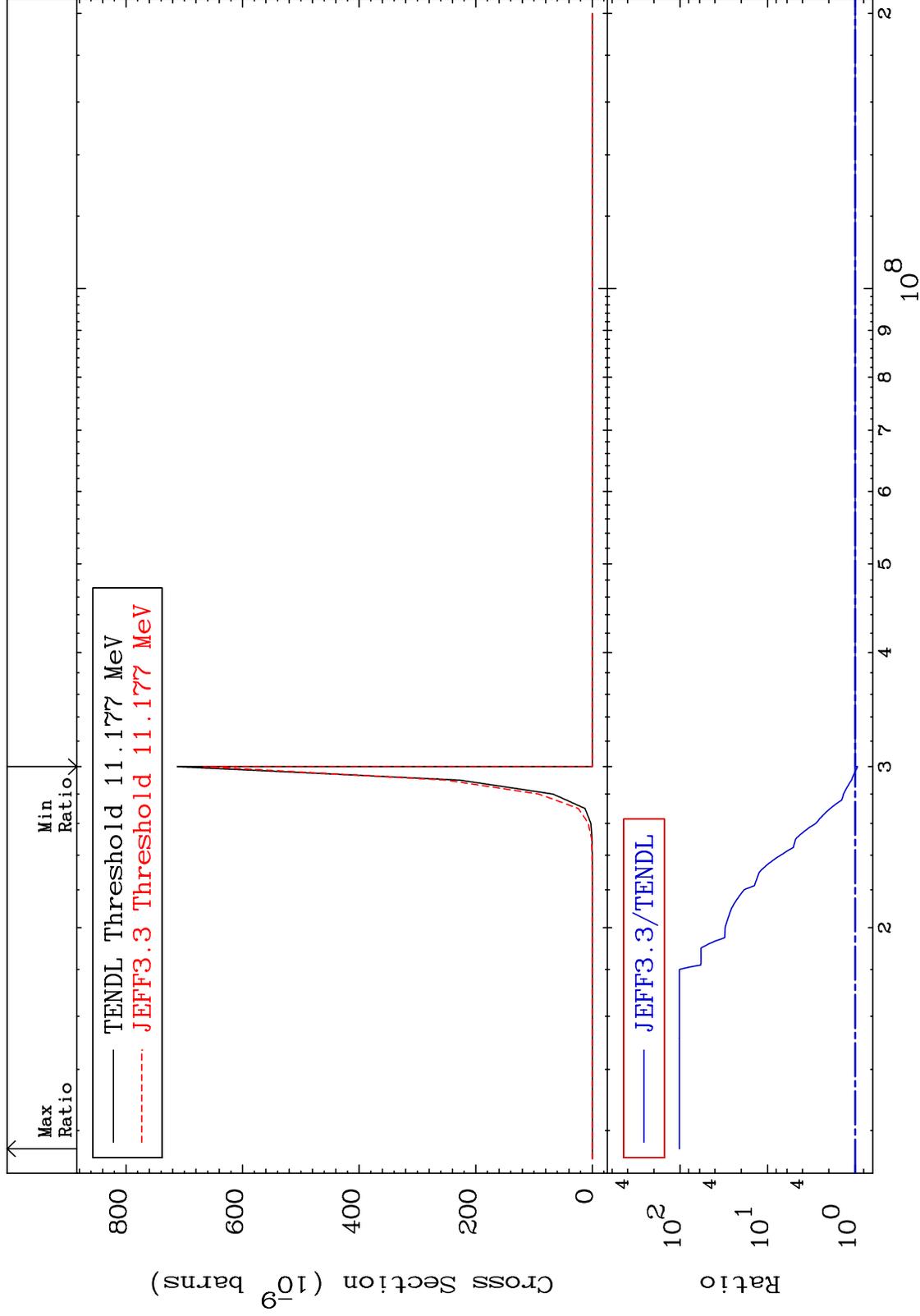


MAT 5231

(n,n') p α :49-In-117g

52-Te-122

Radionuclide Production Cross Section -6.333 To 9999. %

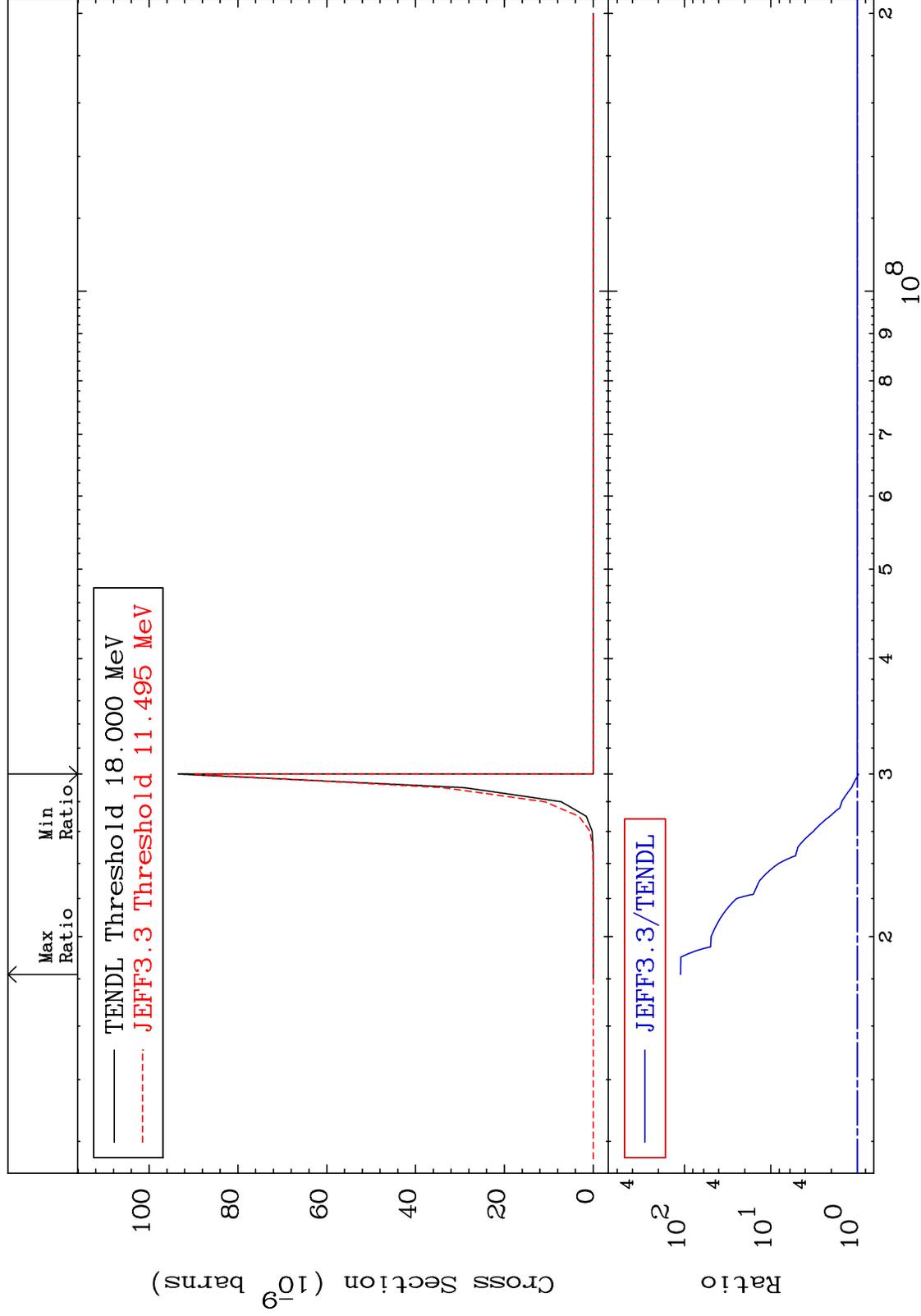


MAT 5231

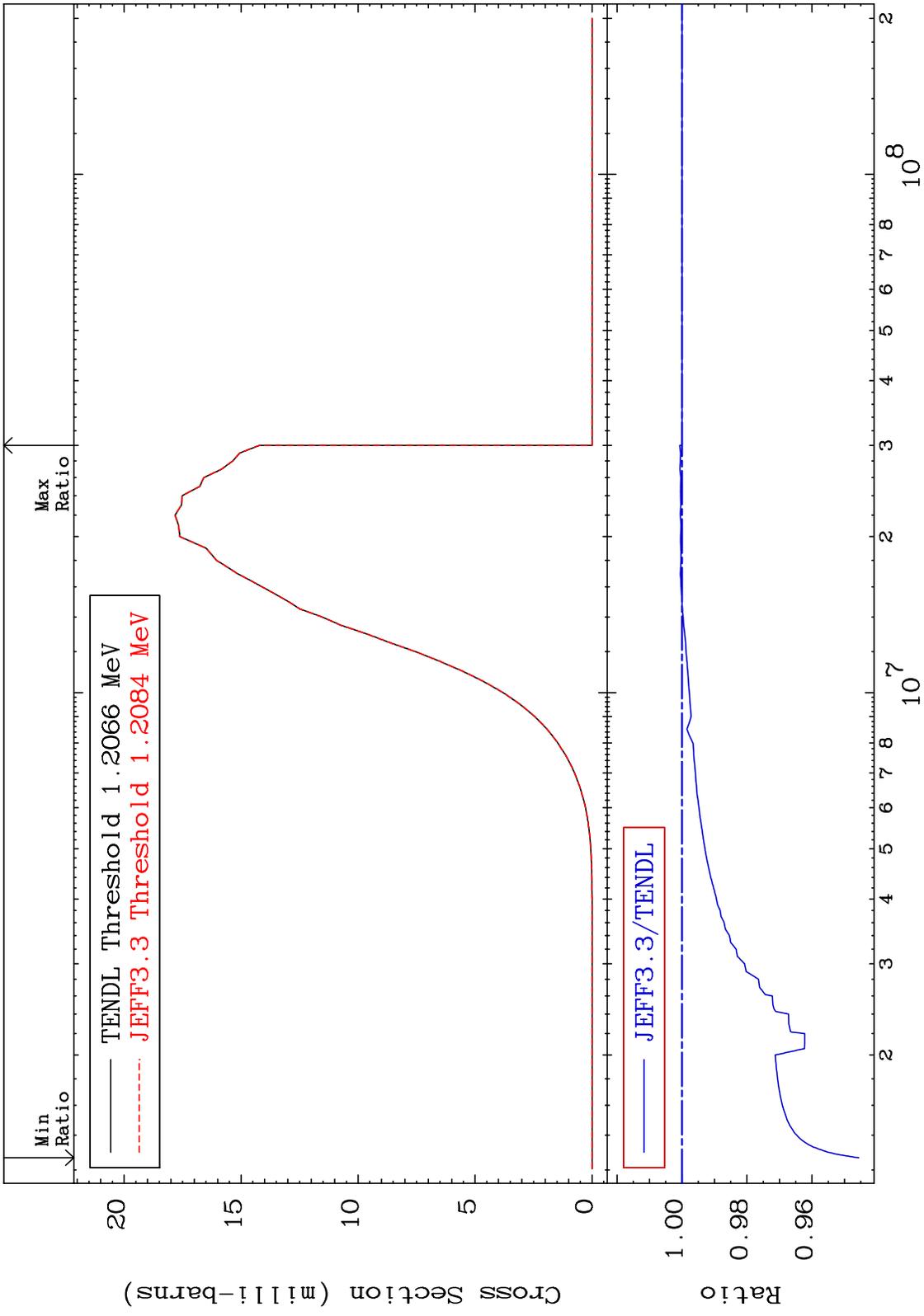
(n, n') p α : 49-In-117m1

52-Te-122

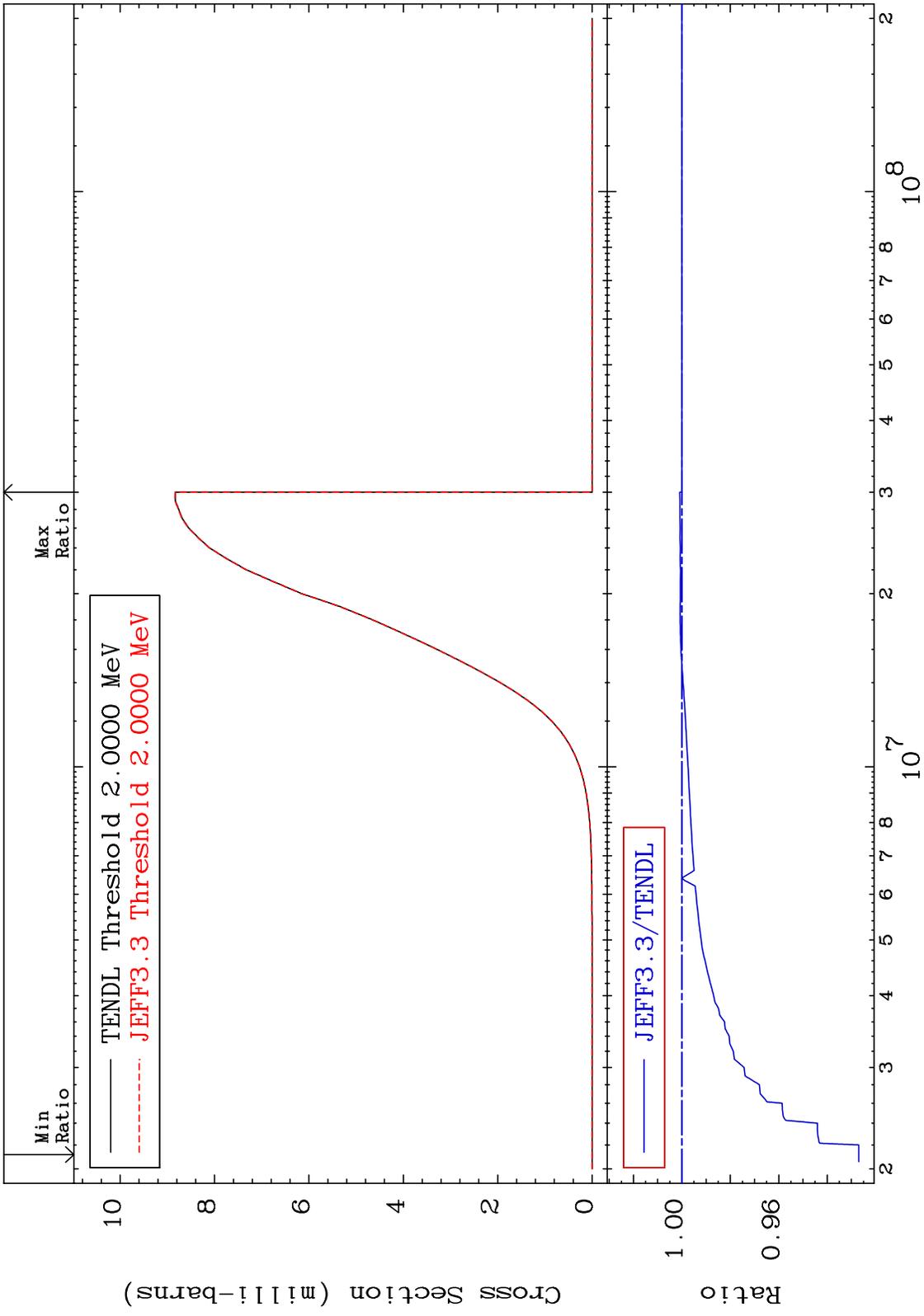
Radionuclide Production Cross Section -3.538 To 9999. %



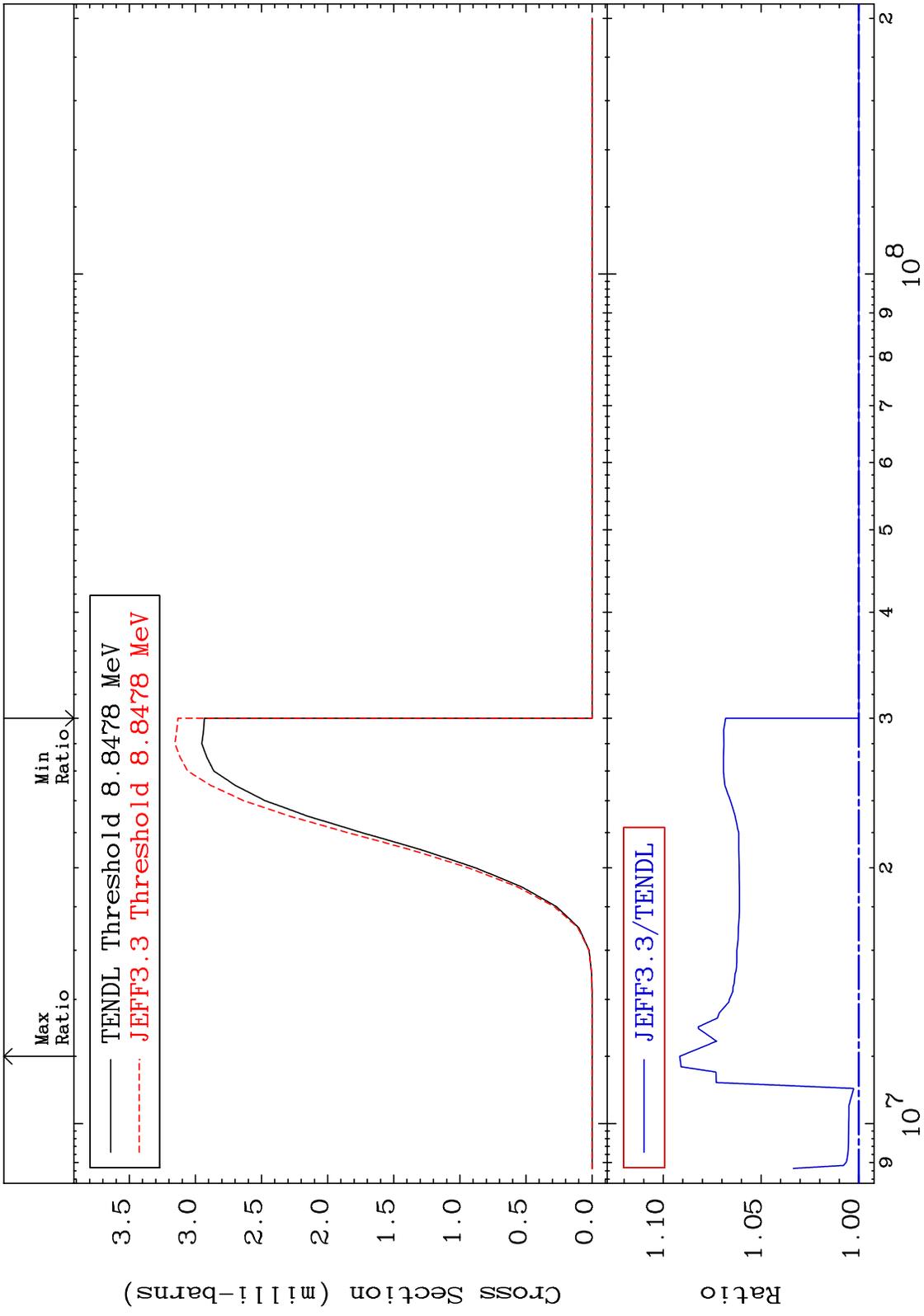
MAT 5231 (n,p):51-Sb-122g 52-Te-122
 Radionuclide Production Cross Section -5.440 To 0.069 %



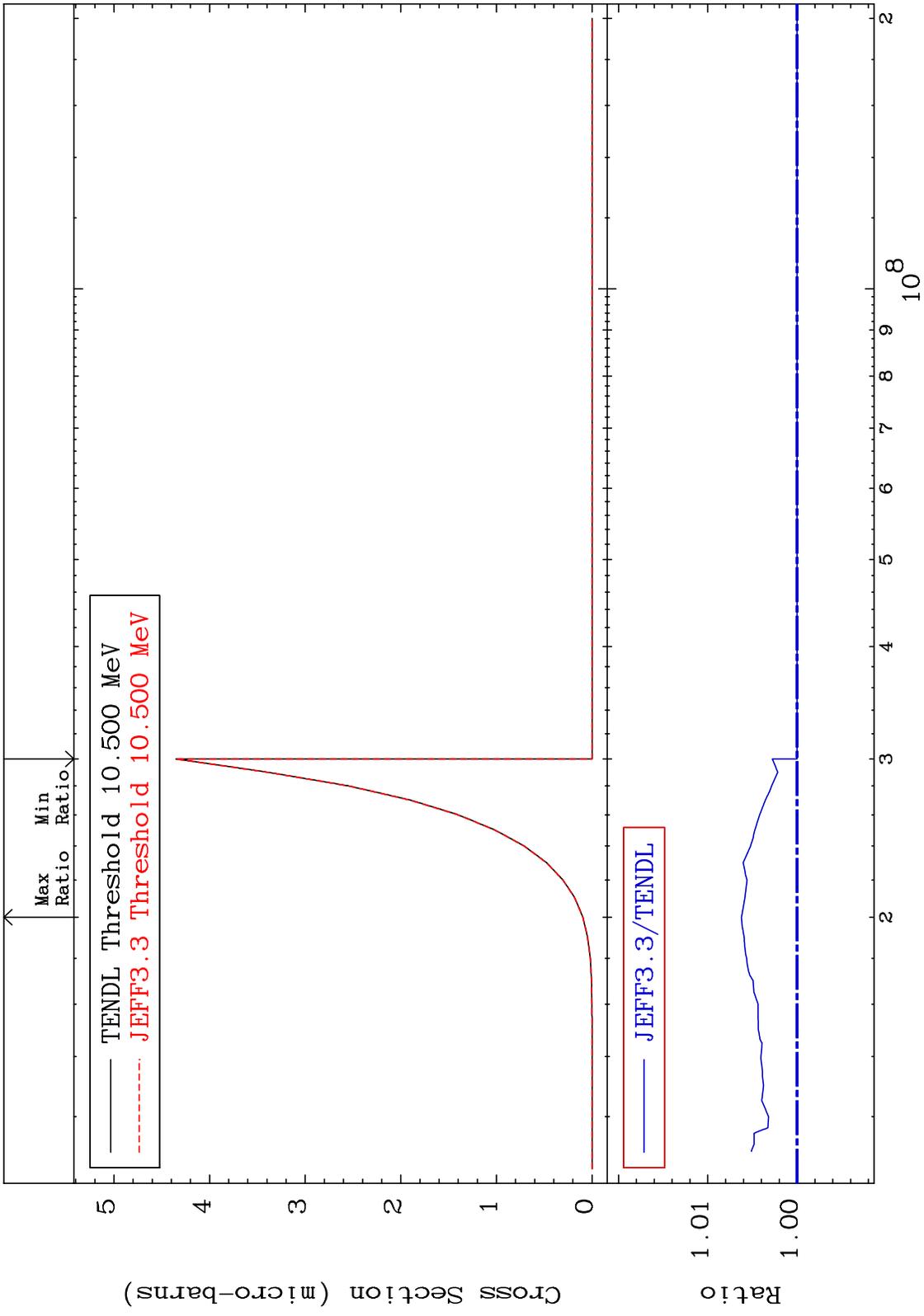
MAT 5231 (n,p):51-Sb-122m5 52-Te-122
 Radionuclide Production Cross Section -7.306 To 0.088 %



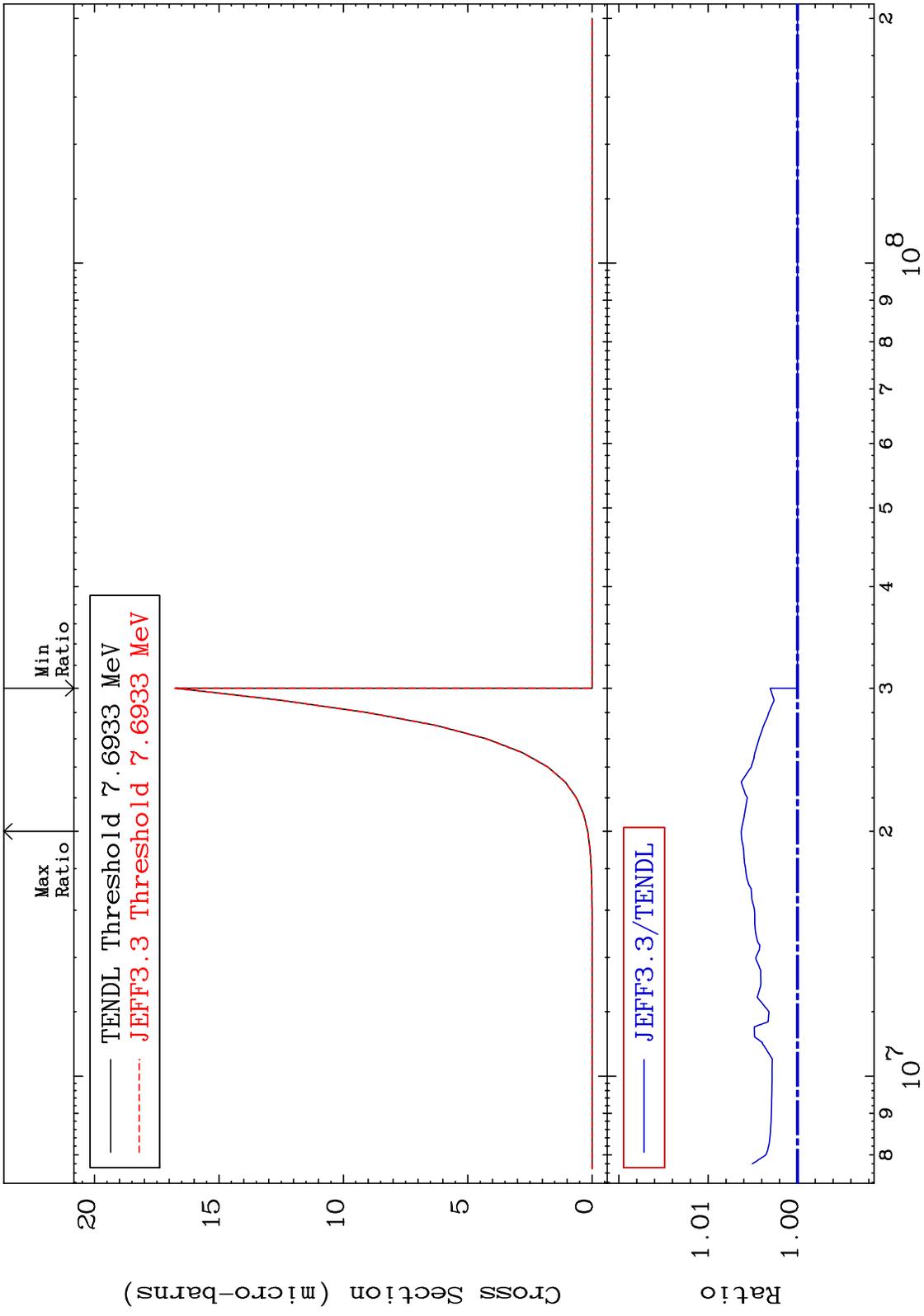
MAT 5231 (n,t):51-Sb-120g 52-Te-122
 Radionuclide Production Cross Section 0.000 To 9.156 %



MAT 5231 (n,2p):50-Sn-121g 52-Te-122
 Radionuclide Production Cross Section 0.000 To 0.622 %



MAT 5231 (n,2p):50-Sn-121m1 52-Te-122
 Radionuclide Production Cross Section 0.000 To 0.630 %

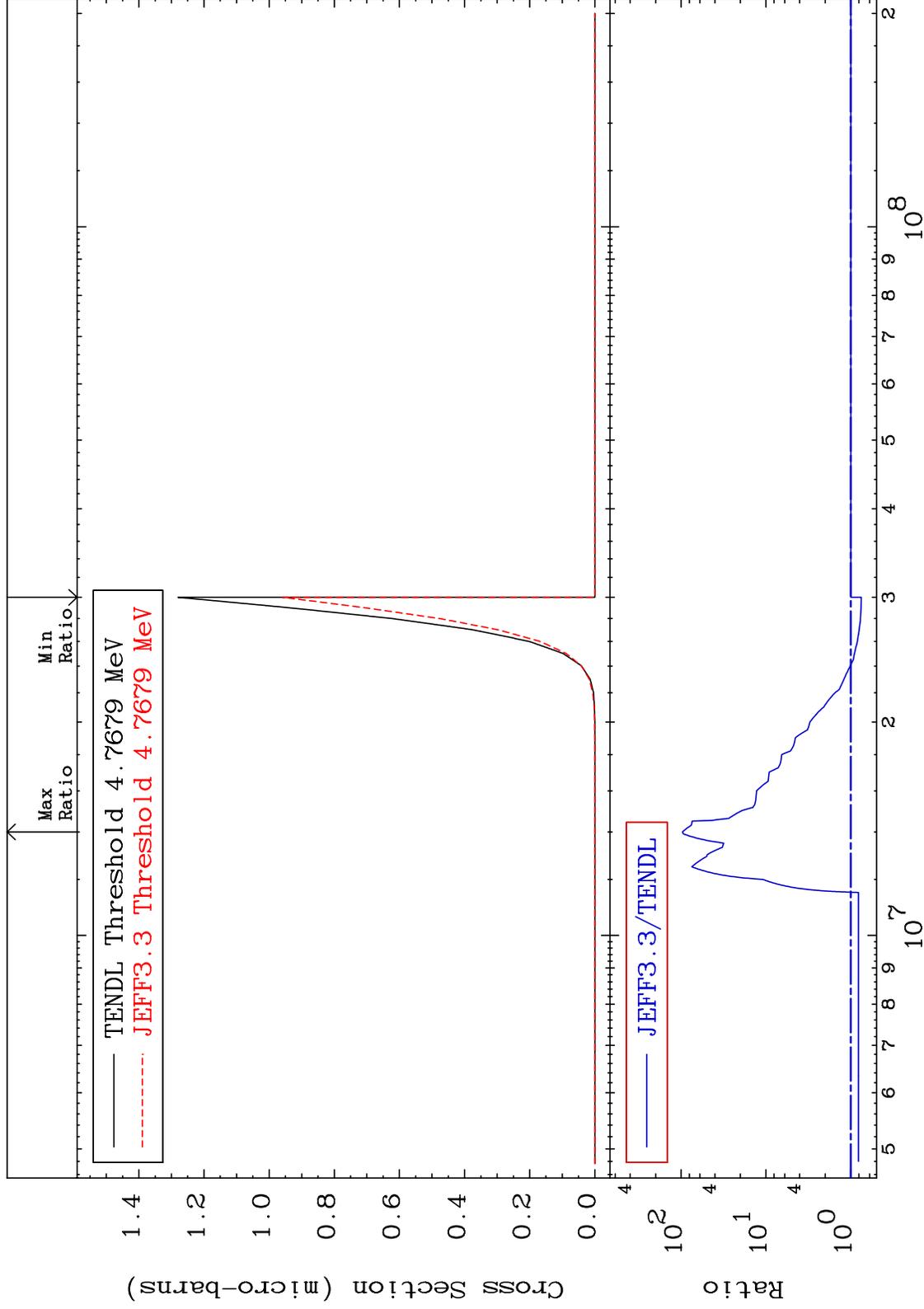


MAT 5231

(n,p) α : 49-In-118g

52-Te-122

Radionuclide Production Cross Section -25.12 To 9546. %

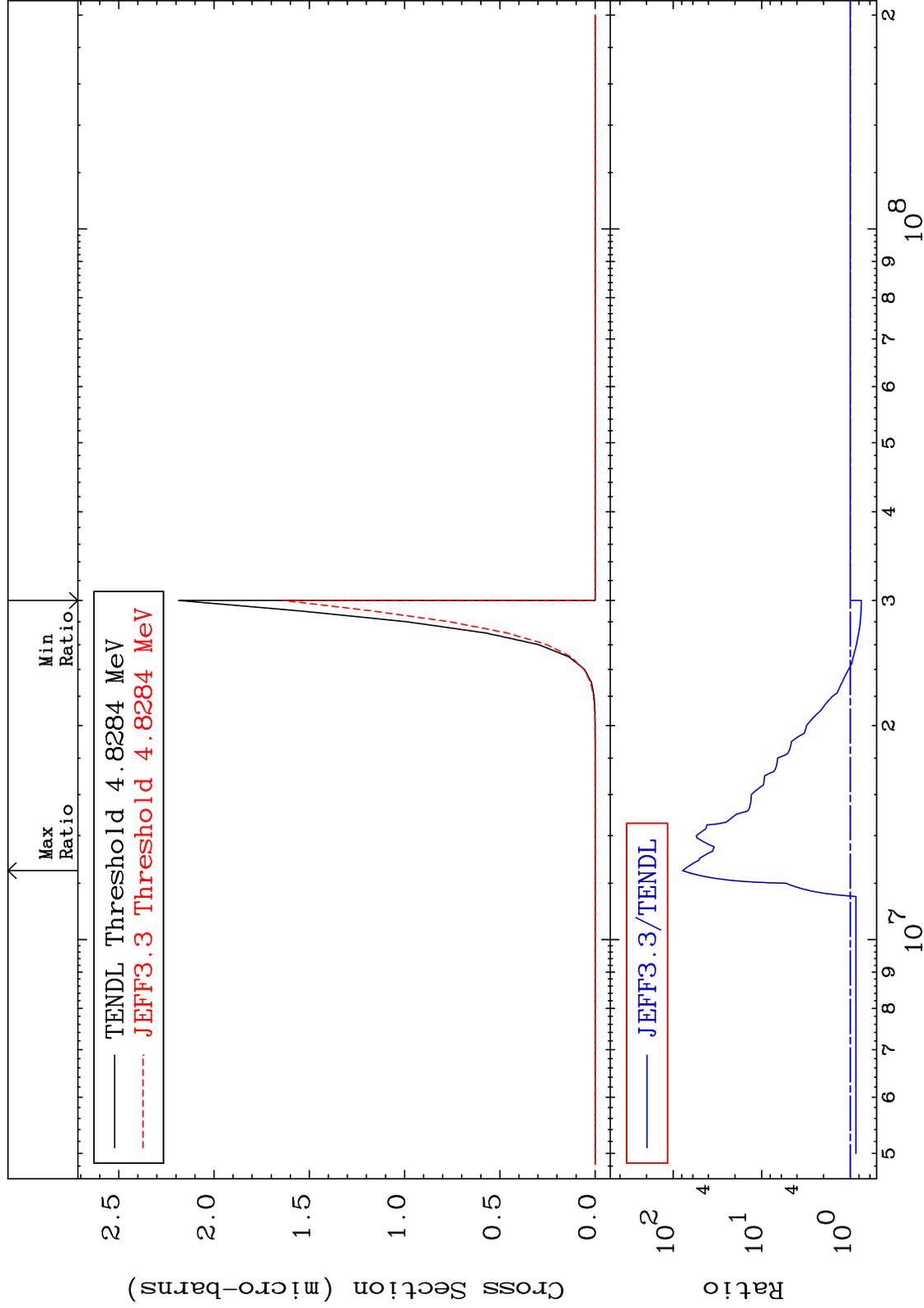


MAT 5231

(n, p) α :49-In-118m1

52-Te-122

Radionuclide Production Cross Section -25.15 To 7708. %

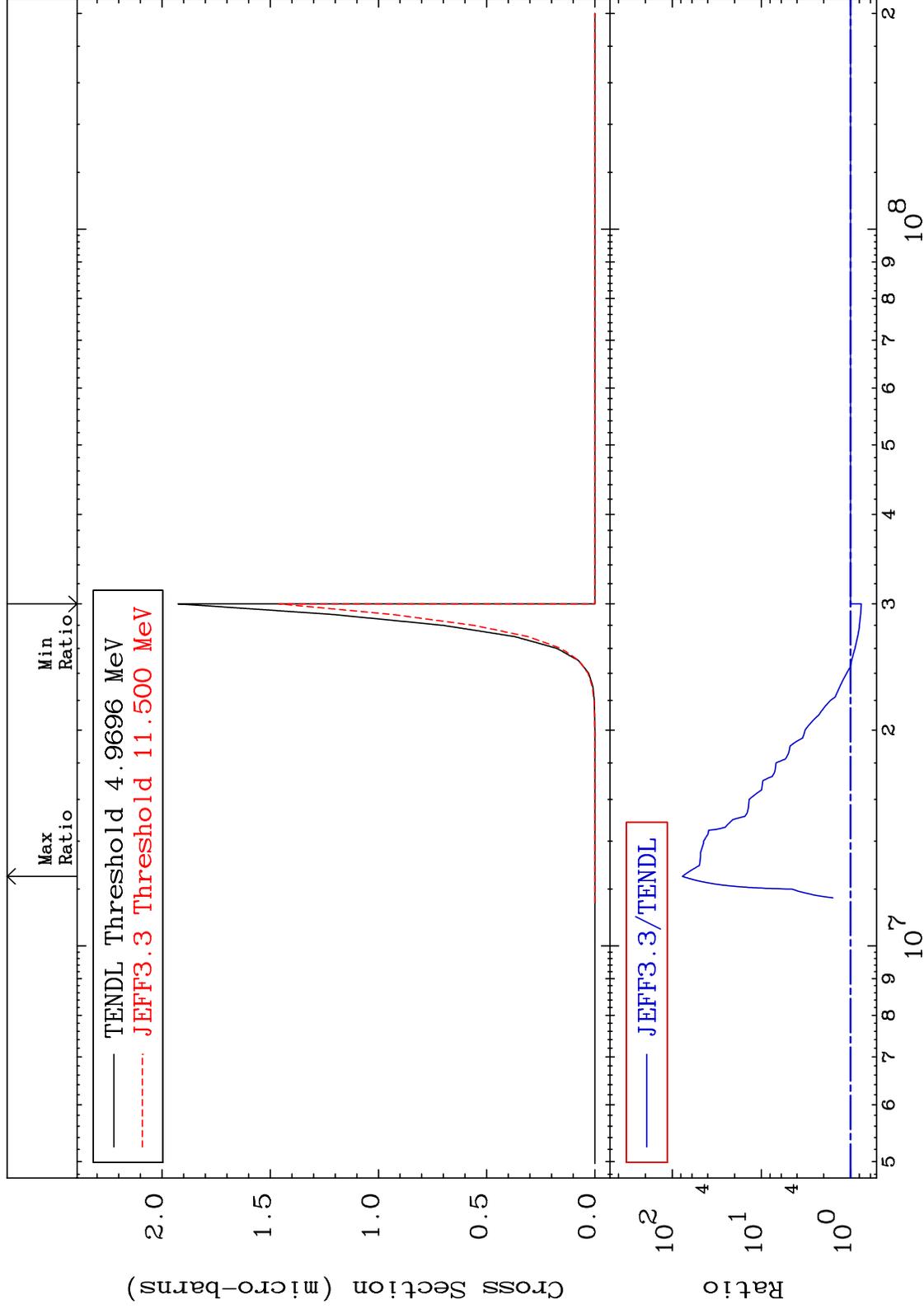


MAT 5231

(n, p) α :49-In-118m3

52-Te-122

Radionuclide Production Cross Section -24.23 To 7587. %

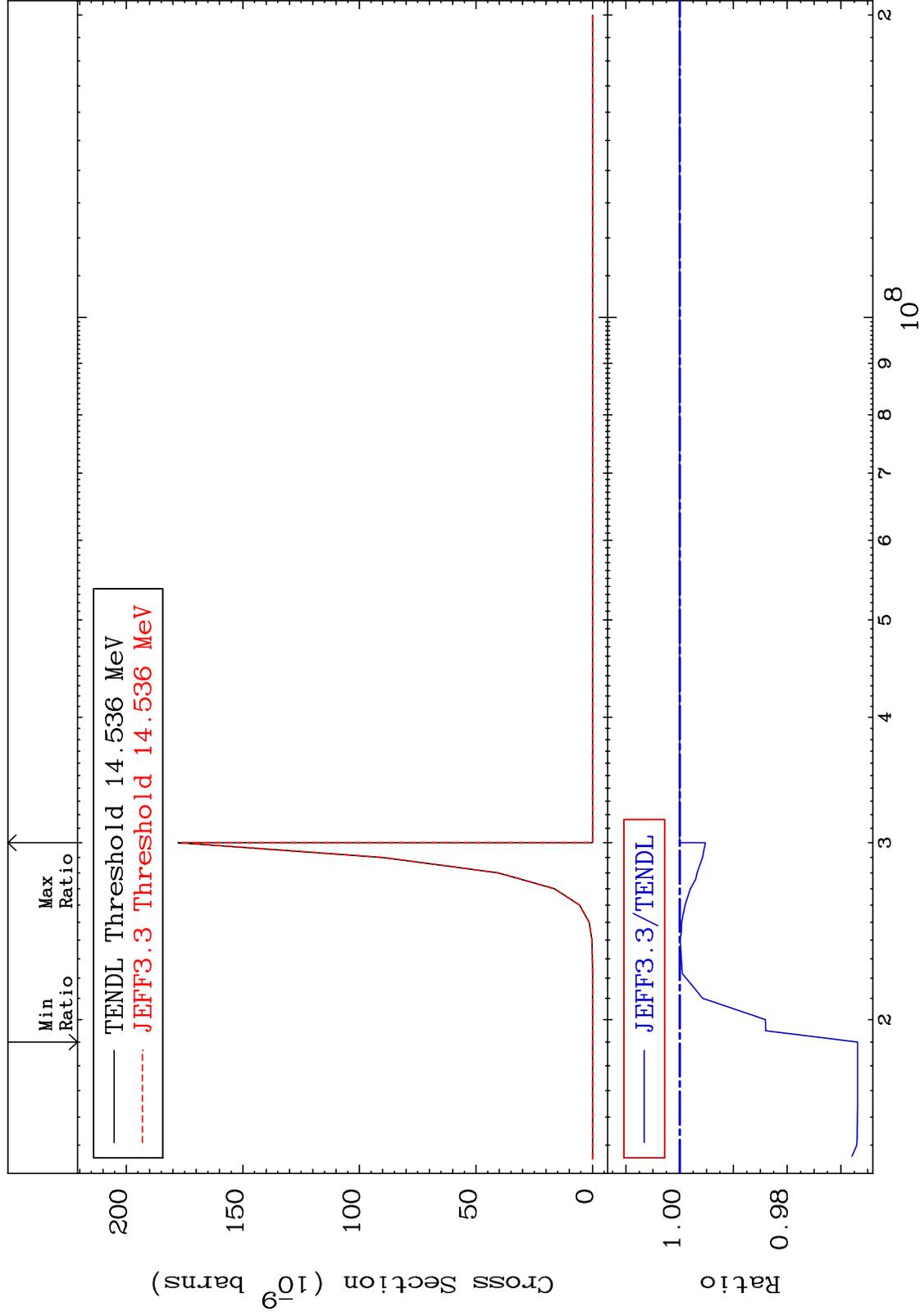


MAT 5231

(n,p) t:50-Sn-119g

52-Te-122

Radionuclide Production Cross Section -3.313 To 0.000 %

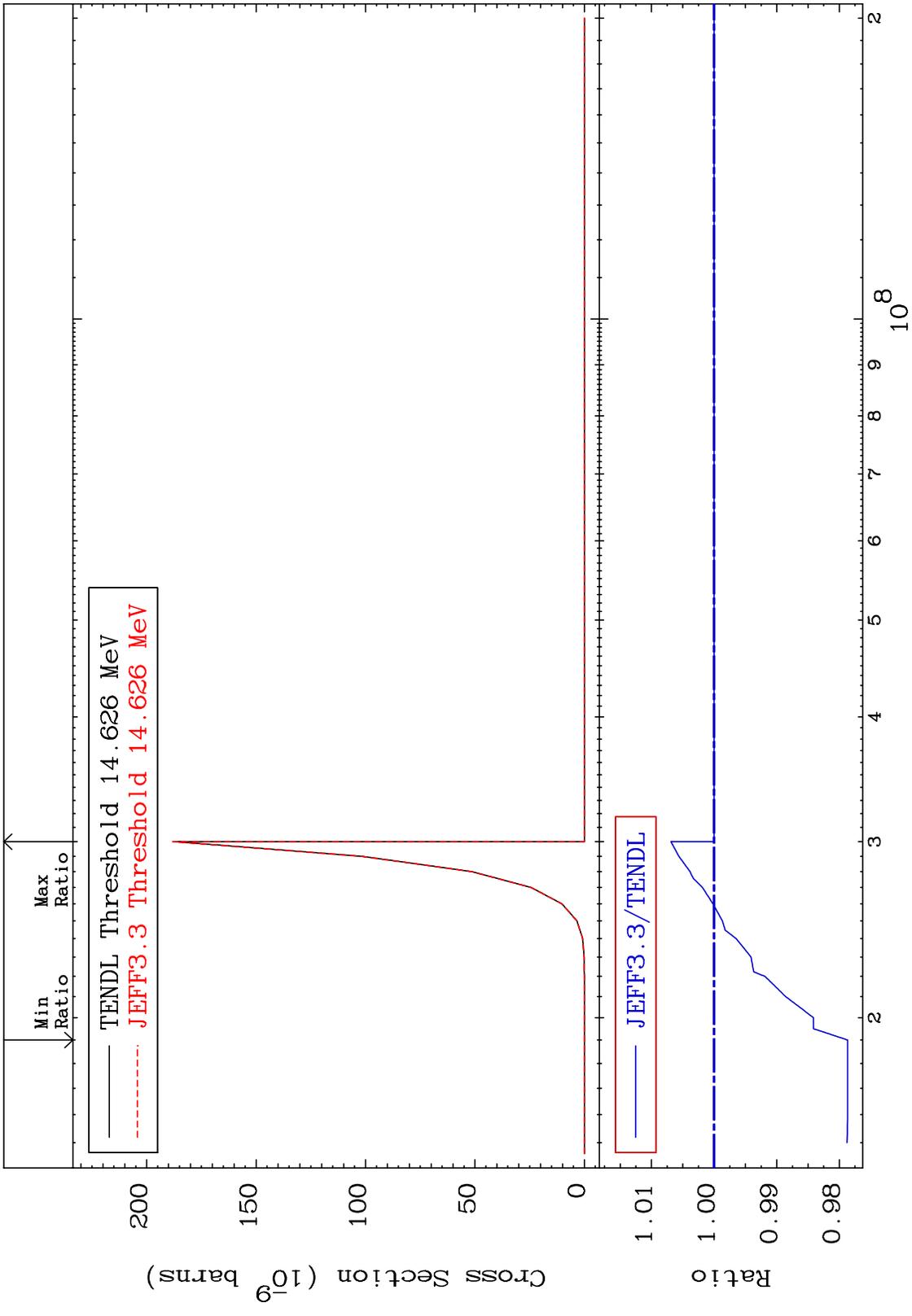


100

Incident Energy (eV)

52-Te-122

MAT 5231 (n,p) t:50-Sn-119m2 52-Te-122
 Radionuclide Production Cross Section -2.132 To 0.690 %

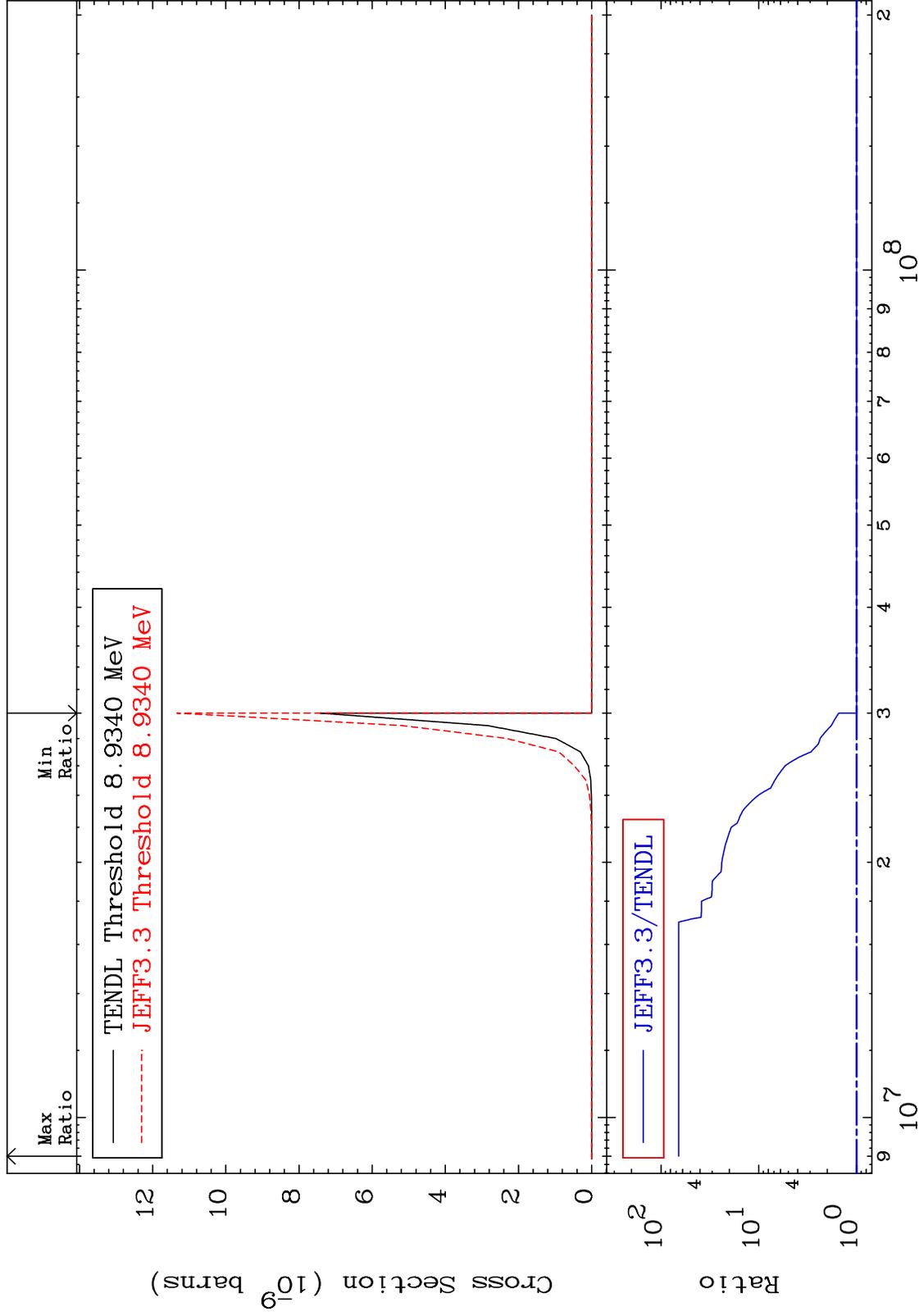


MAT 5231

(n, d) α : 49-In-117g

52-Te-122

Radionuclide Production Cross Section 0.000 To 6483. %



102

Incident Energy (eV)

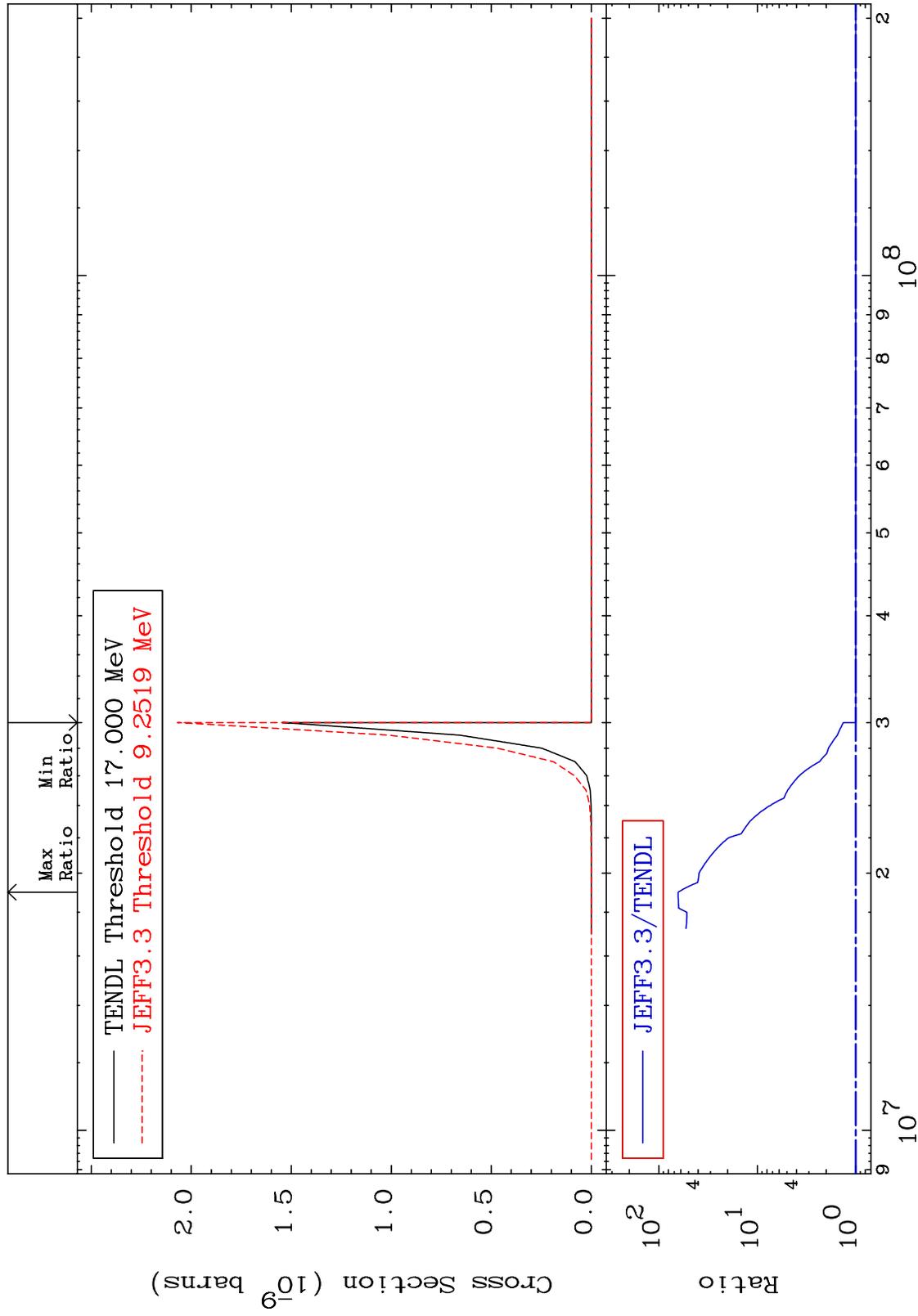
52-Te-122

MAT 5231

(n, d) α :49-In-117m1

52-Te-122

Radionuclide Production Cross Section 0.000 To 6269. %



103

Incident Energy (eV)

52-Te-122