

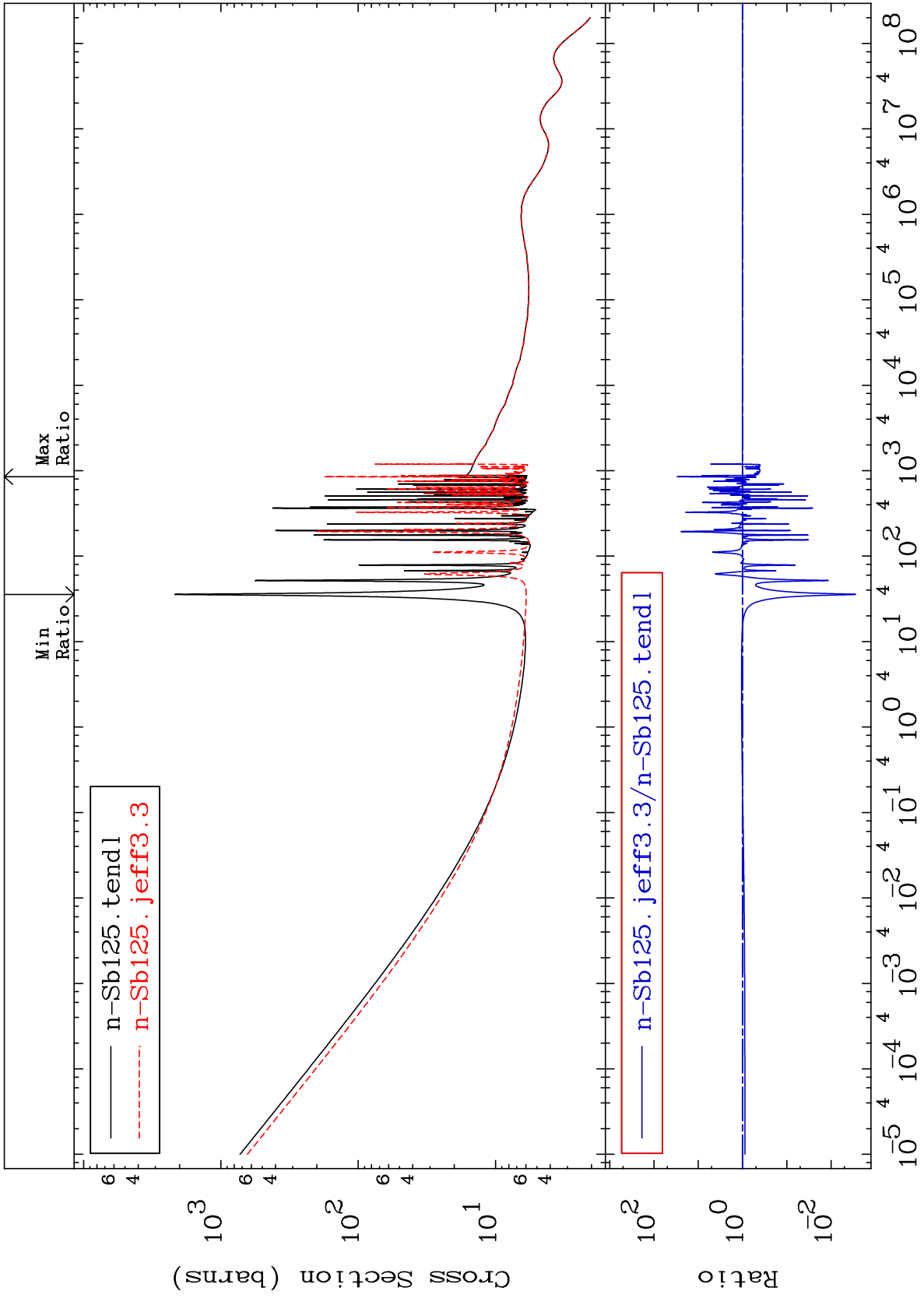
MAT 5137

Total

51-Sb-125

Cross Section

-99.72 To 2844. %



Incident Energy (eV)

51-Sb-125

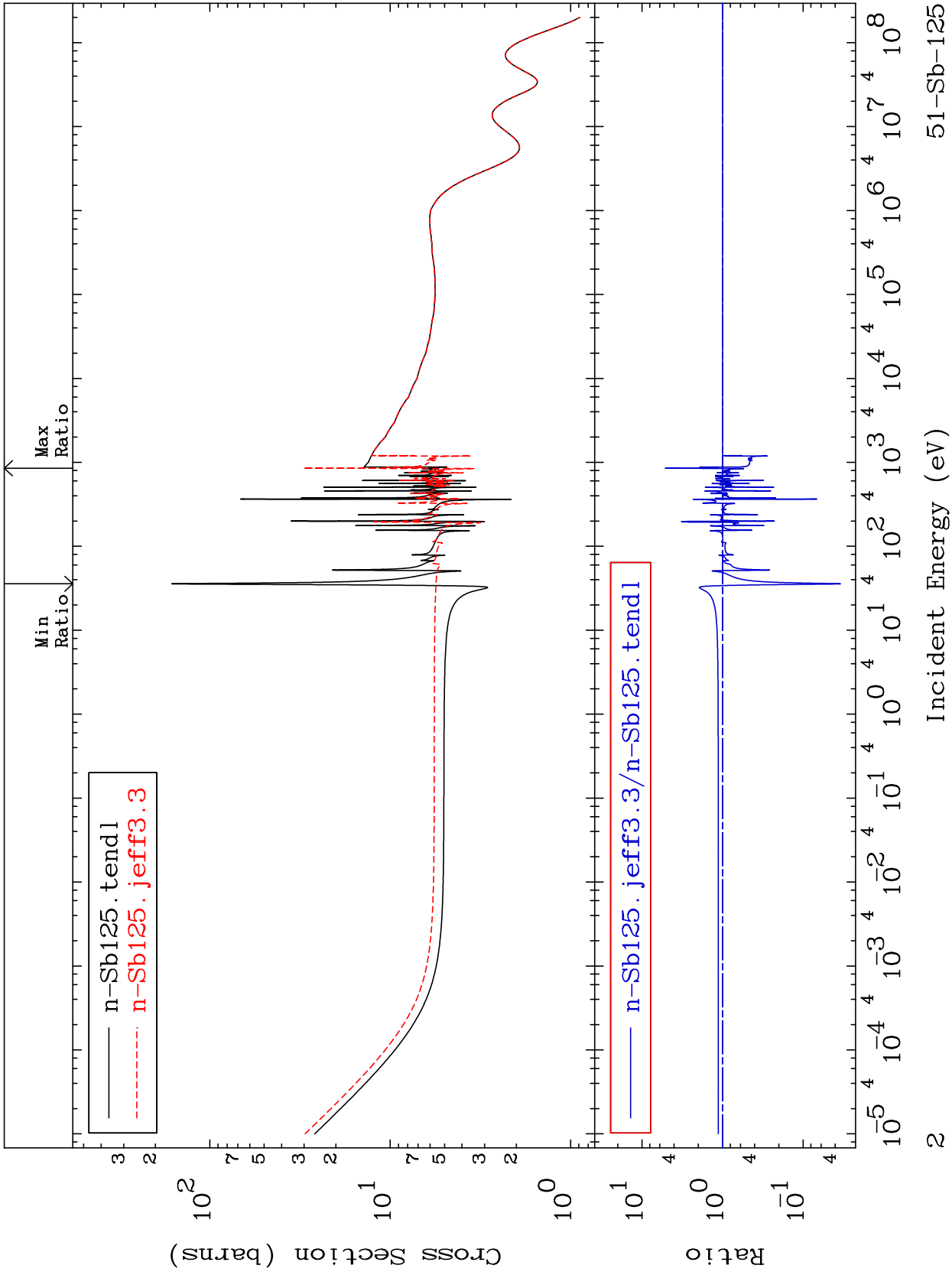
MAT 5137

Elastic

51-Sb-125

Cross Section

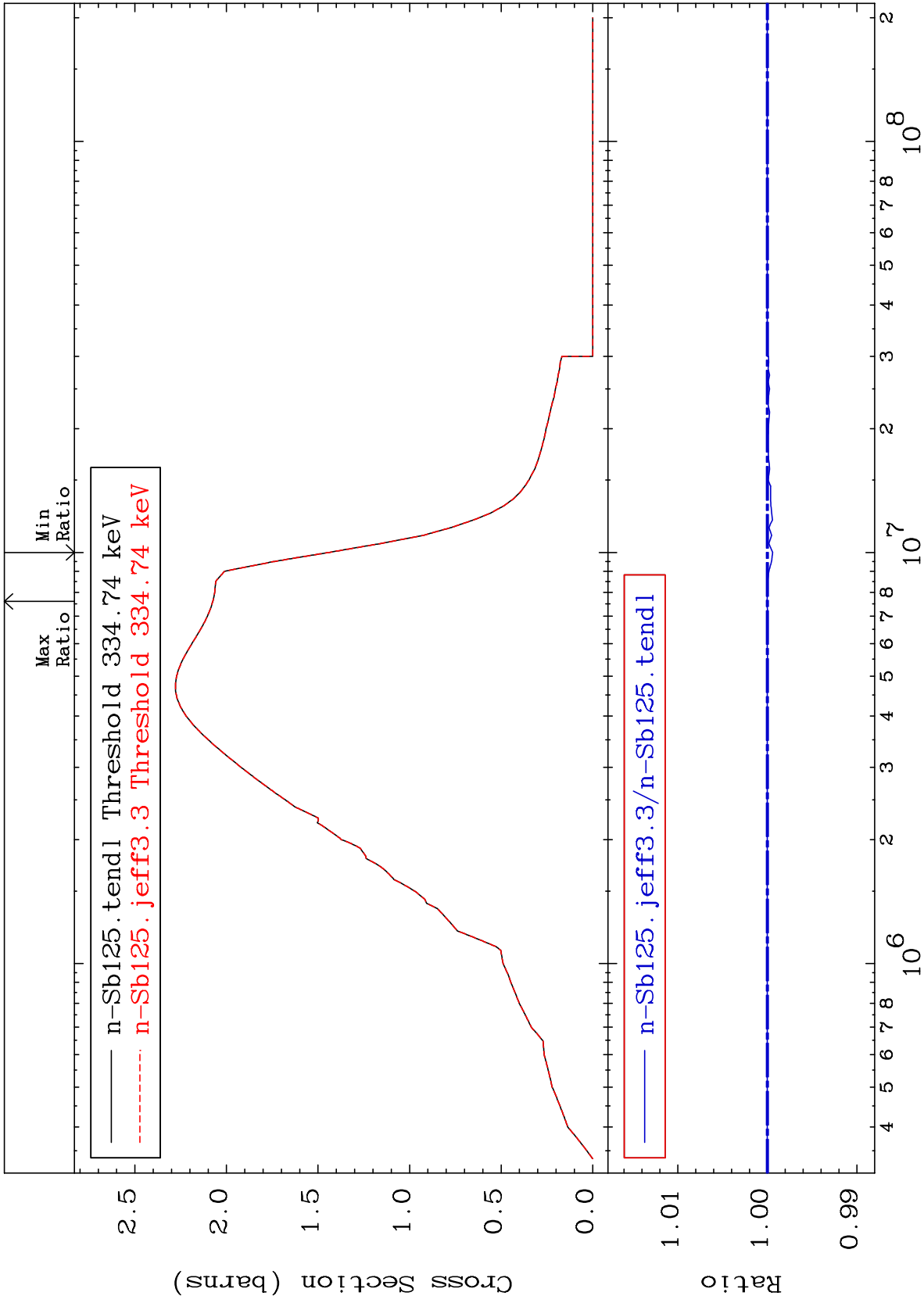
-96.57 To 410.1 %



2

Incident Energy (eV)

51-Sb-125



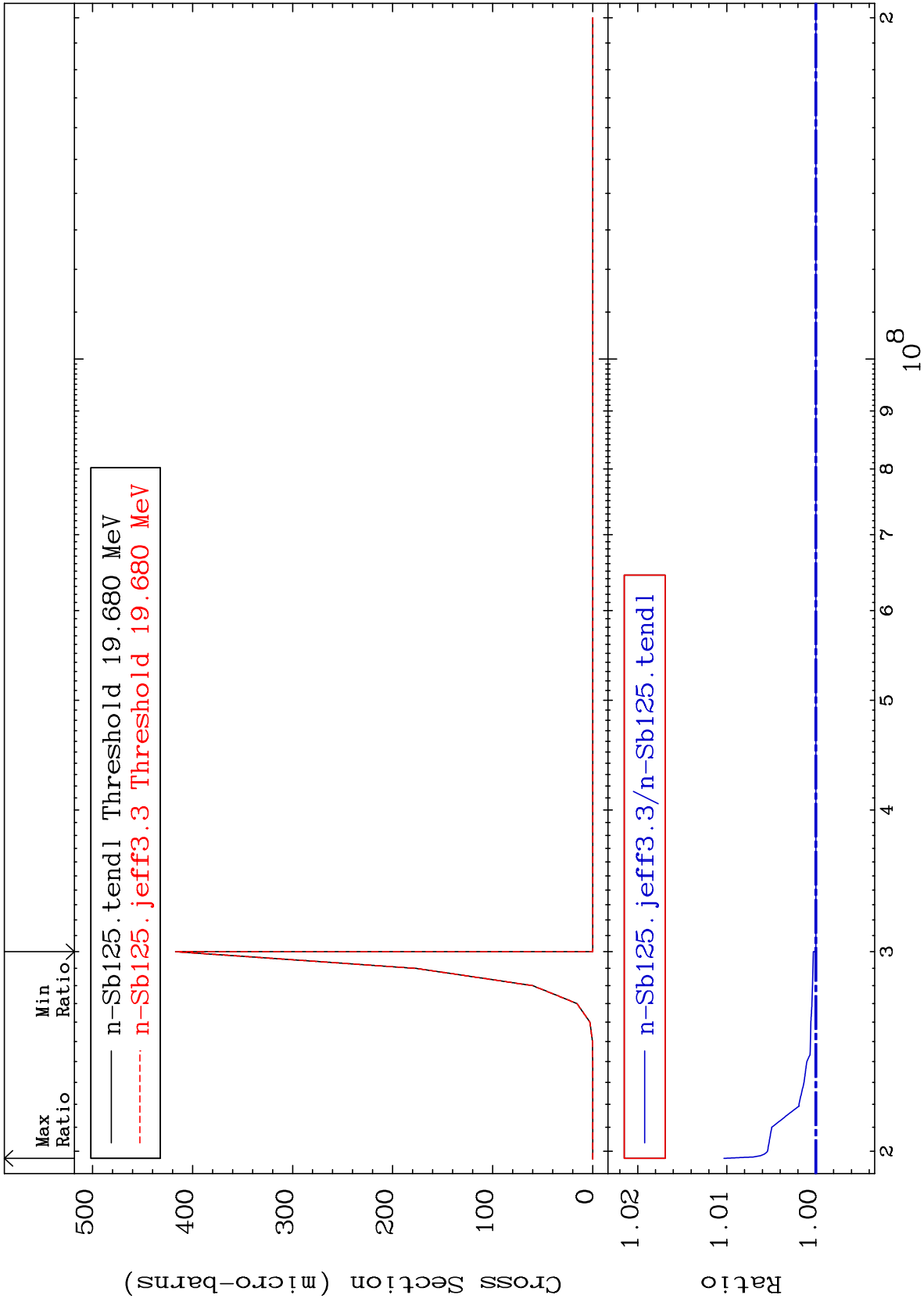
MAT 5137

(n,2n) d

51-Sb-125

Cross Section

0.000 To 1.031 %



Incident Energy (eV)

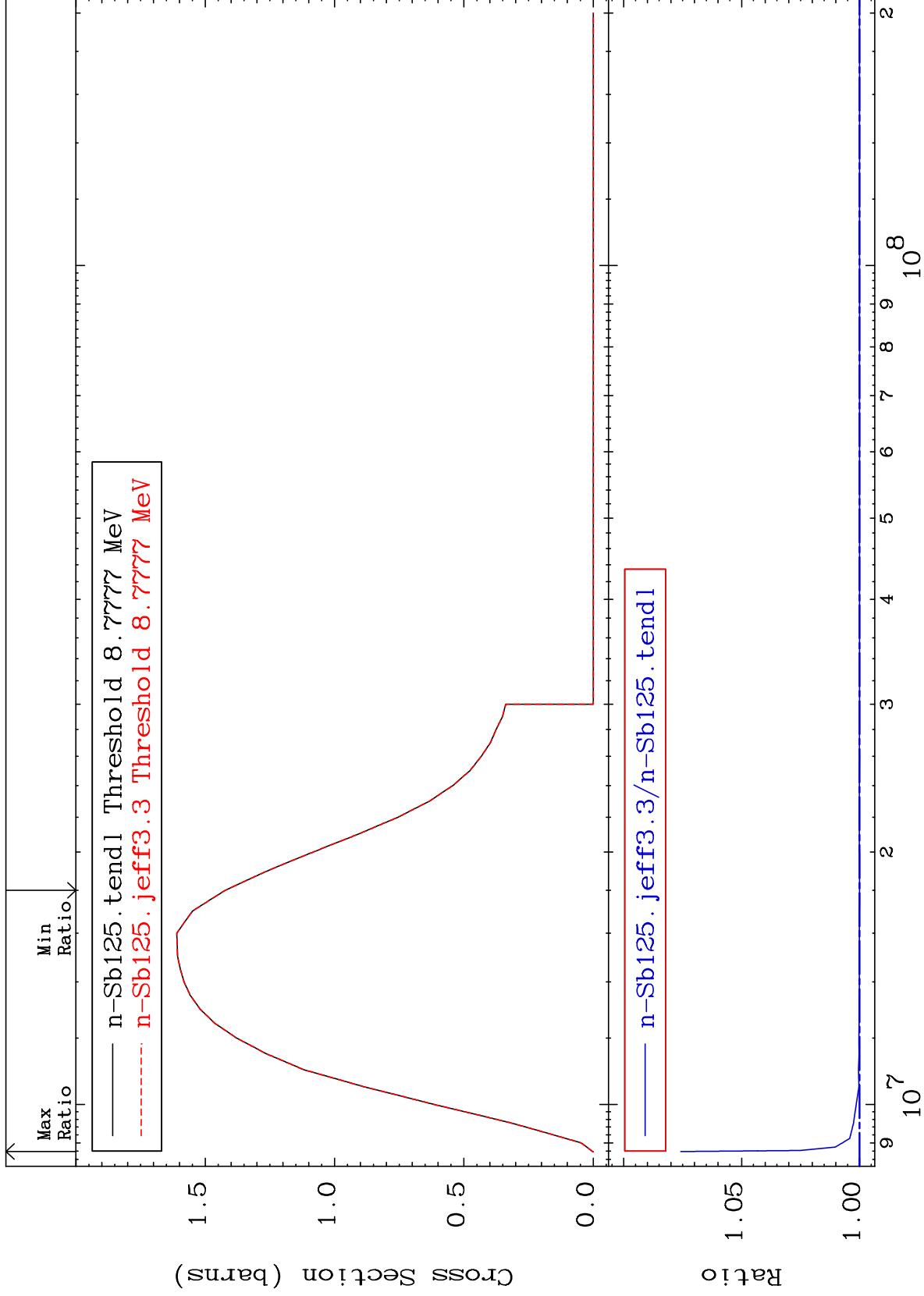
51-Sb-125

4

MAT 5137

(n,2n)
Cross Section

51-Sb-125
-0.003 To 7.582 %



51-Sb-125

MAT 5137

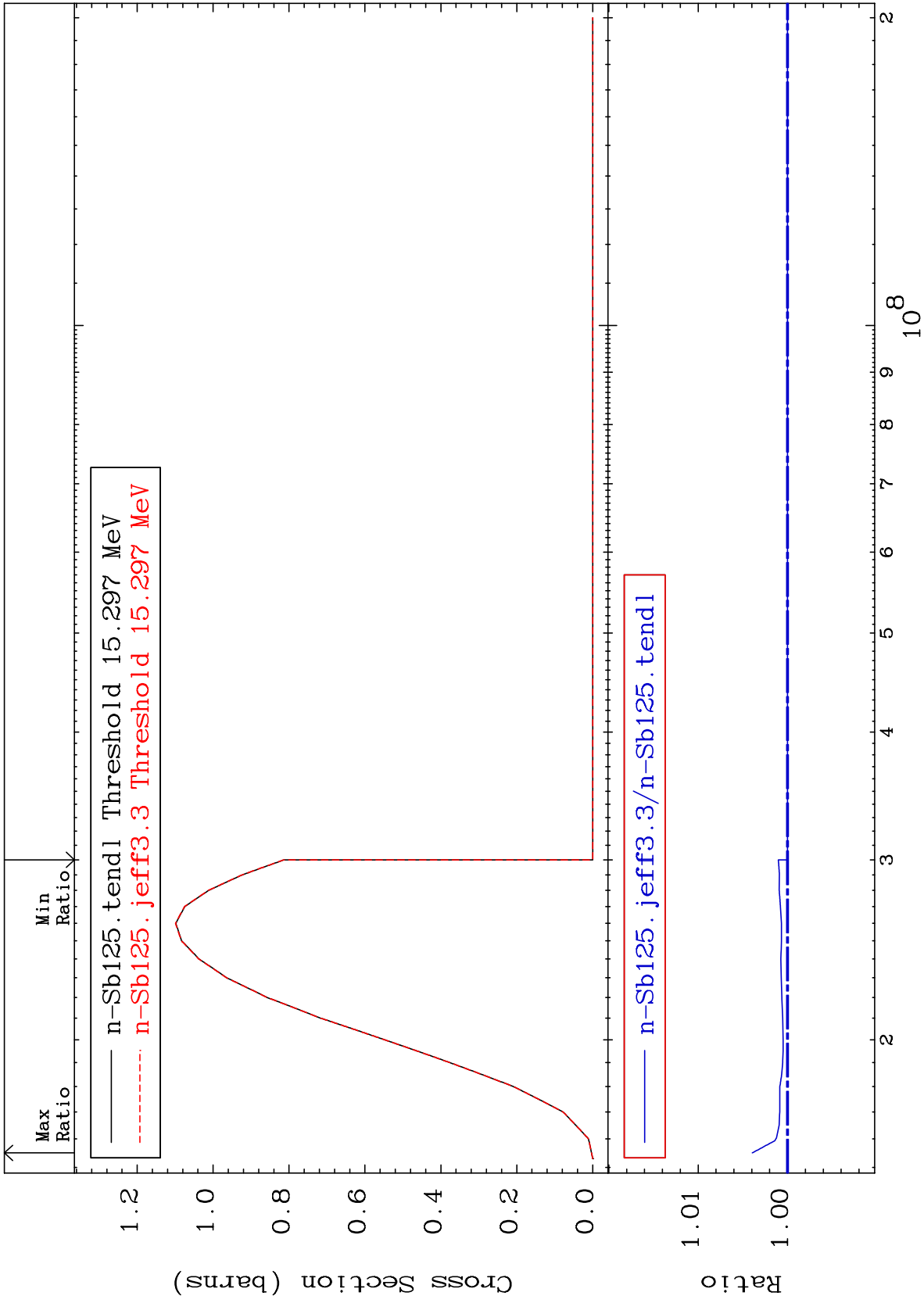
(n,3n)

51-Sb-125

Cross Section

0.000

To 0.394 %



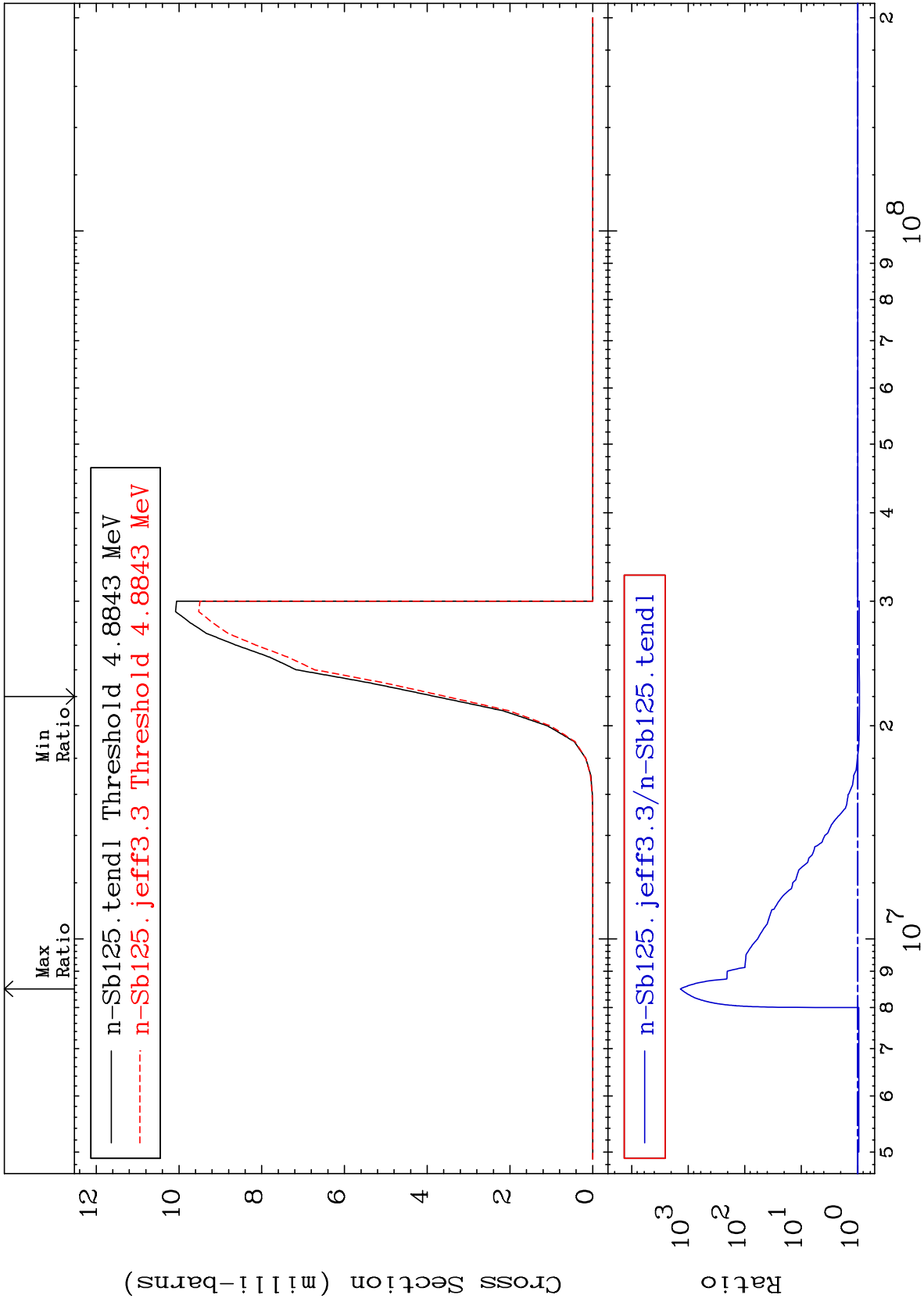
MAT 5137

(n,n') α

51-Sb-125

Cross Section

-6.732 To 9999. %



7

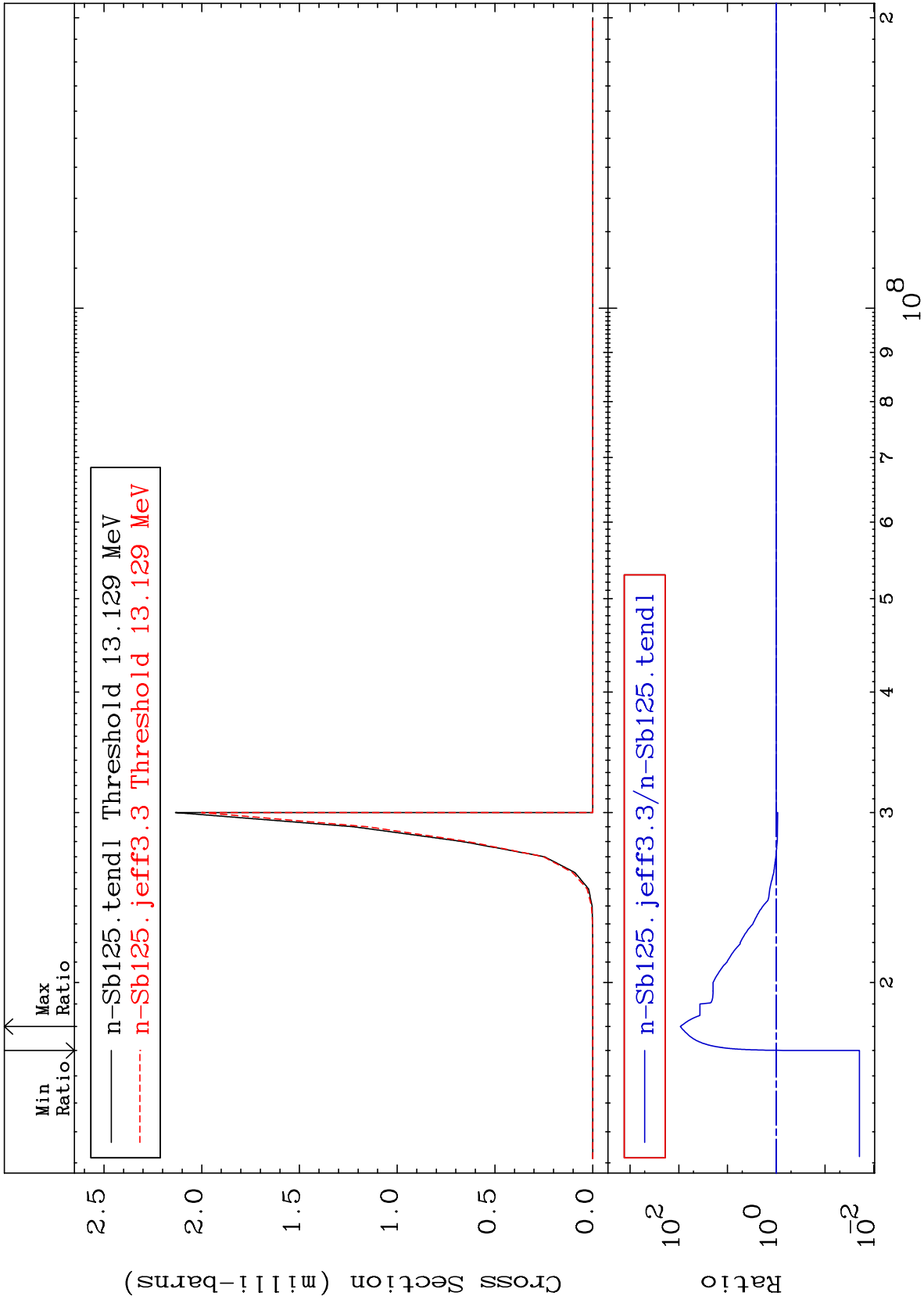
Incident Energy (eV)

51-Sb-125

MAT 5137

(n,2n) α
Cross Section

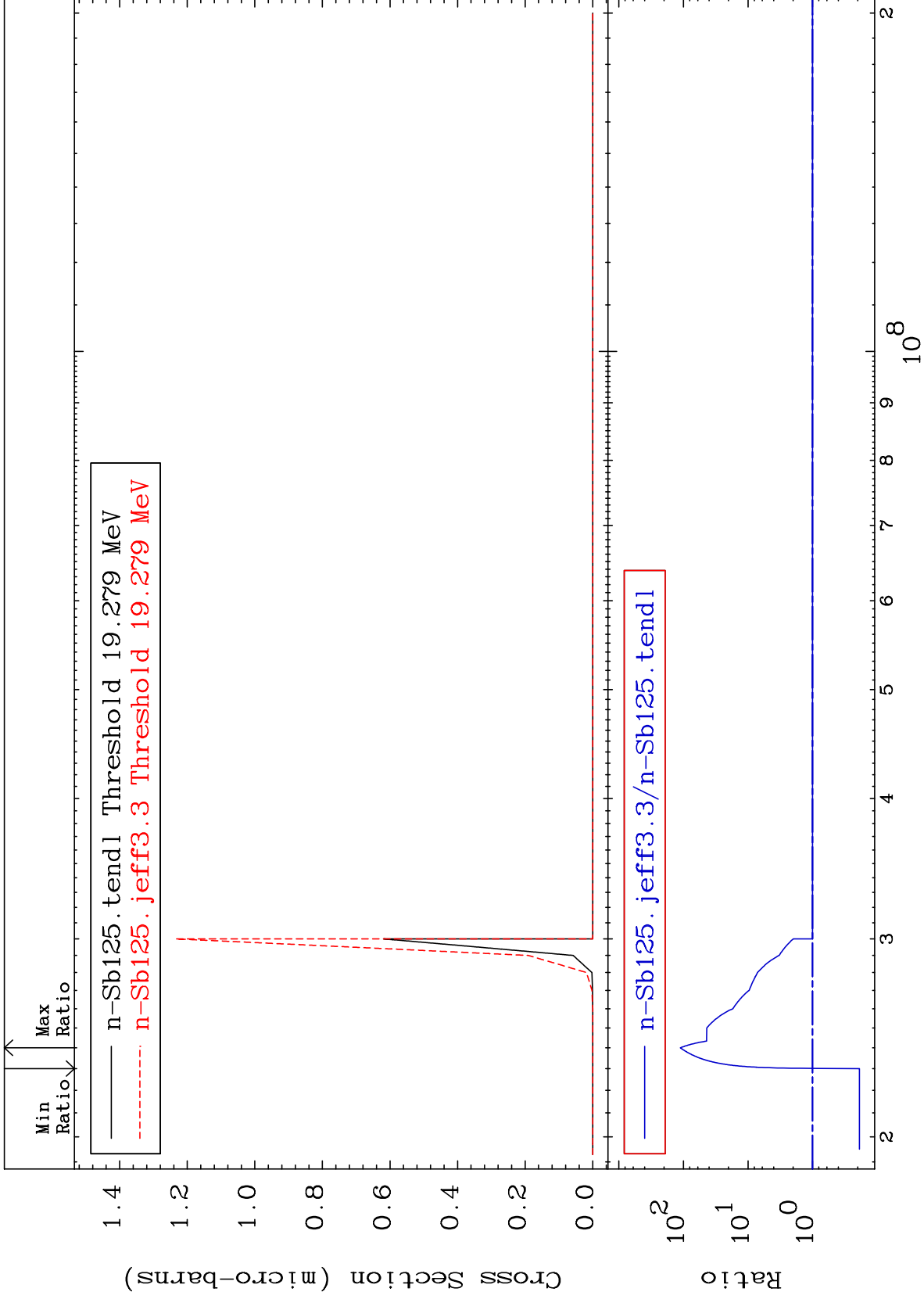
51-Sb-125
-98.03 To 9176. %



MAT 5137

(n,3n) α
Cross Section

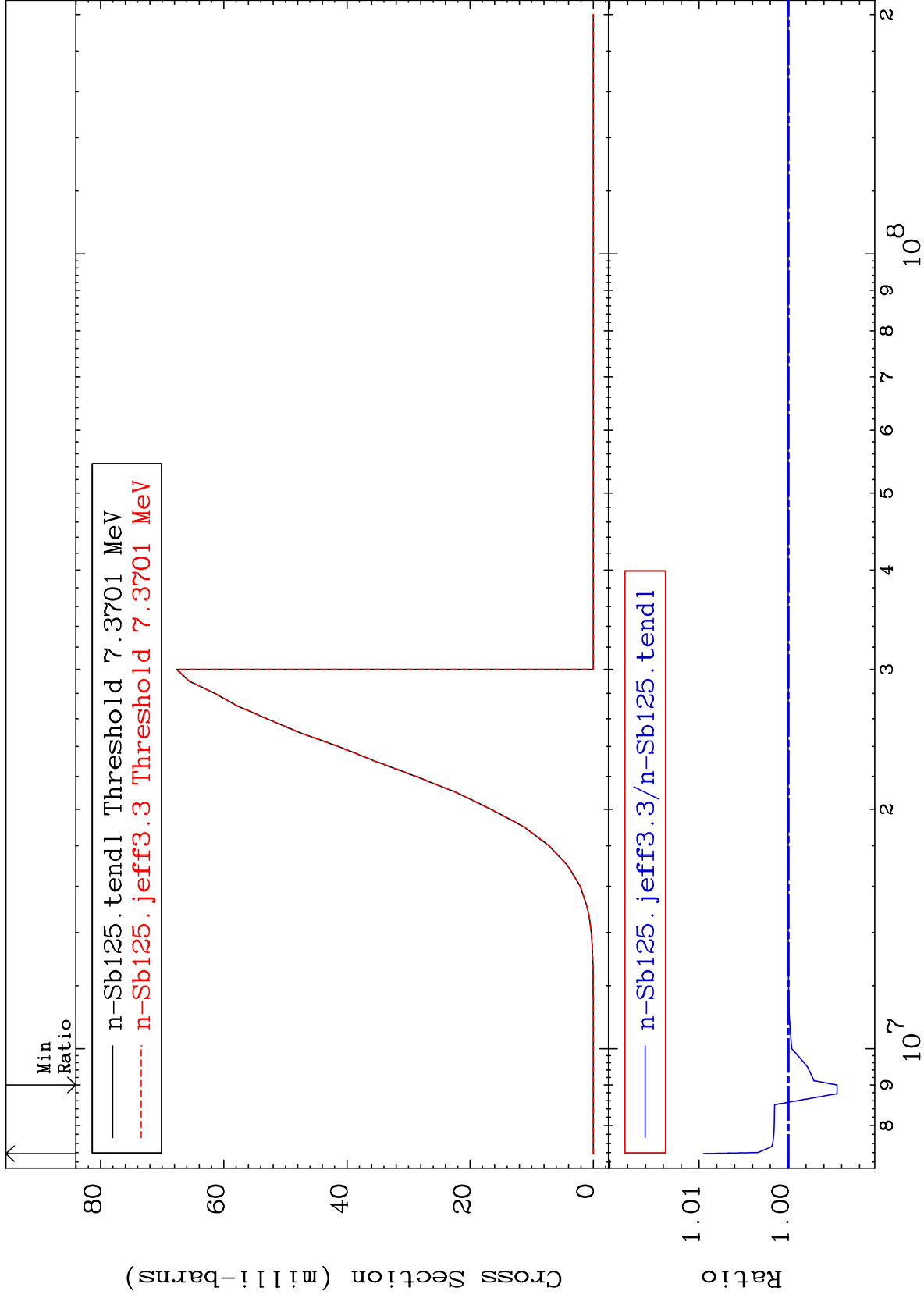
51-Sb-125
-81.17 To 9999. %



MAT 5137

(n,n') p
Cross Section

51-Sb-125
-0.549 To 0.953 %



10

Incident Energy (eV)

51-Sb-125

MAT 5137

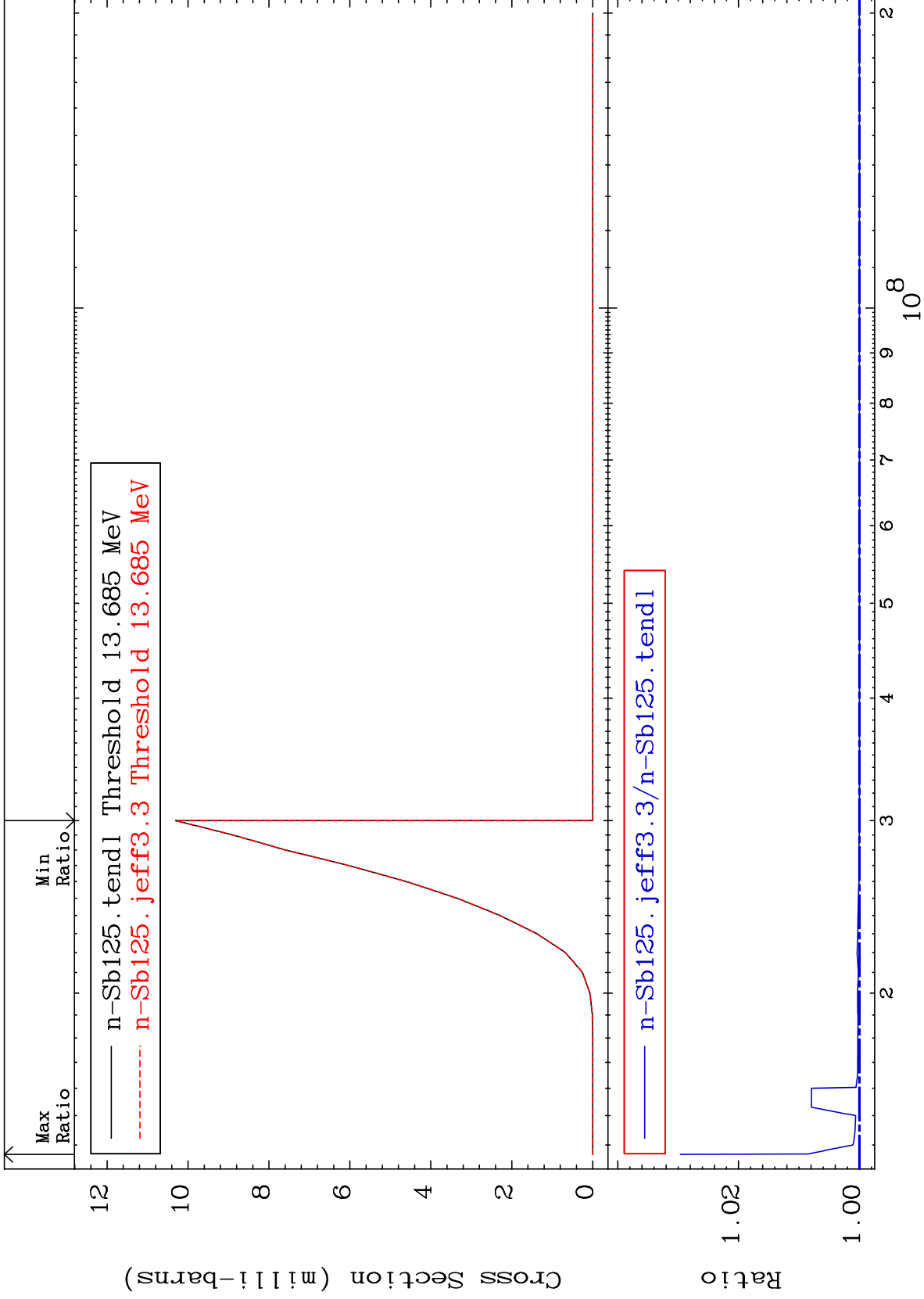
(n,n') d

51-Sb-125

Cross Section

0.000

To 2.964 %



11

Incident Energy (eV)

51-Sb-125

MAT 5137

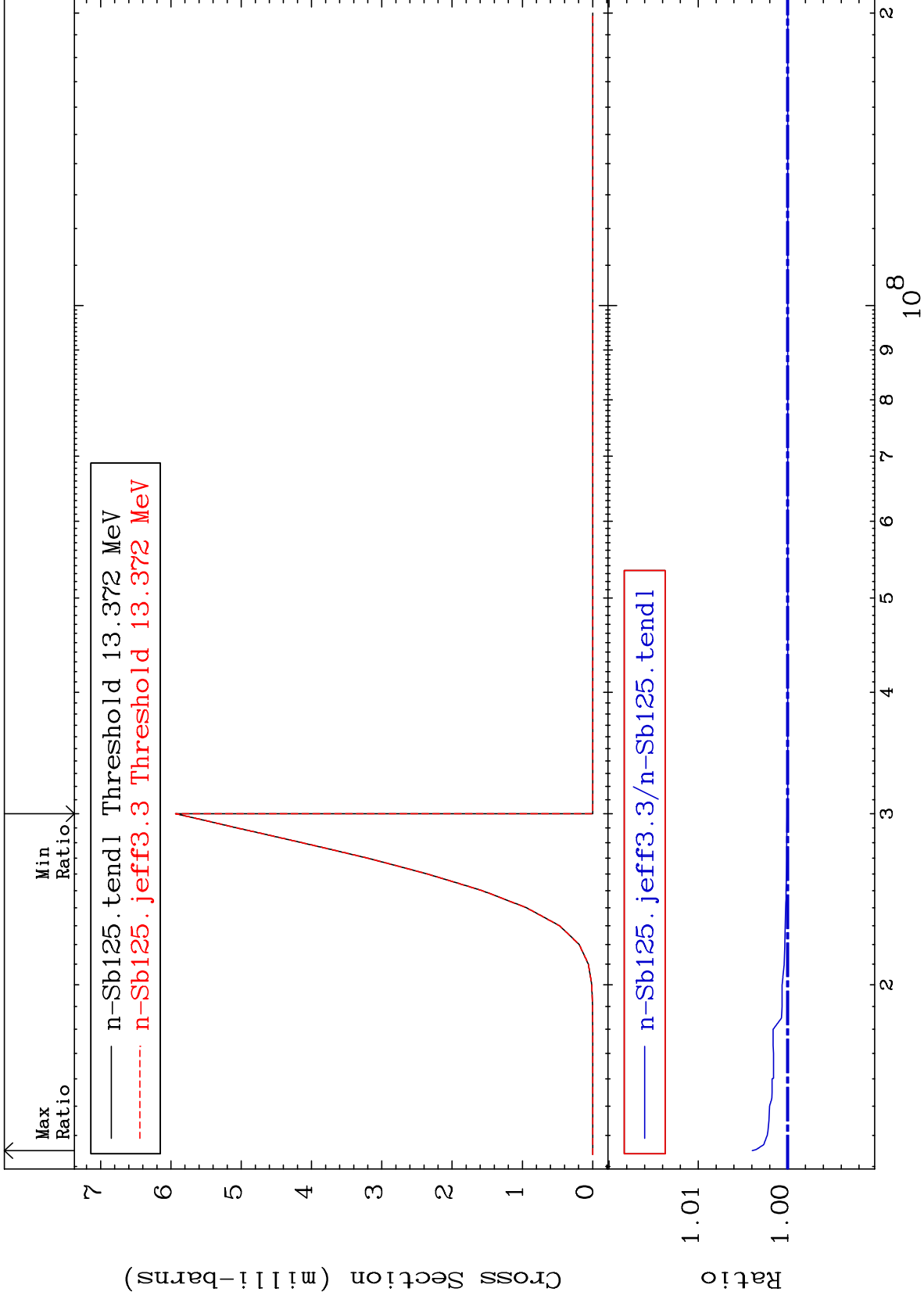
(n,n') t

51-Sb-125

Cross Section

0.000

To 0.397 %



12

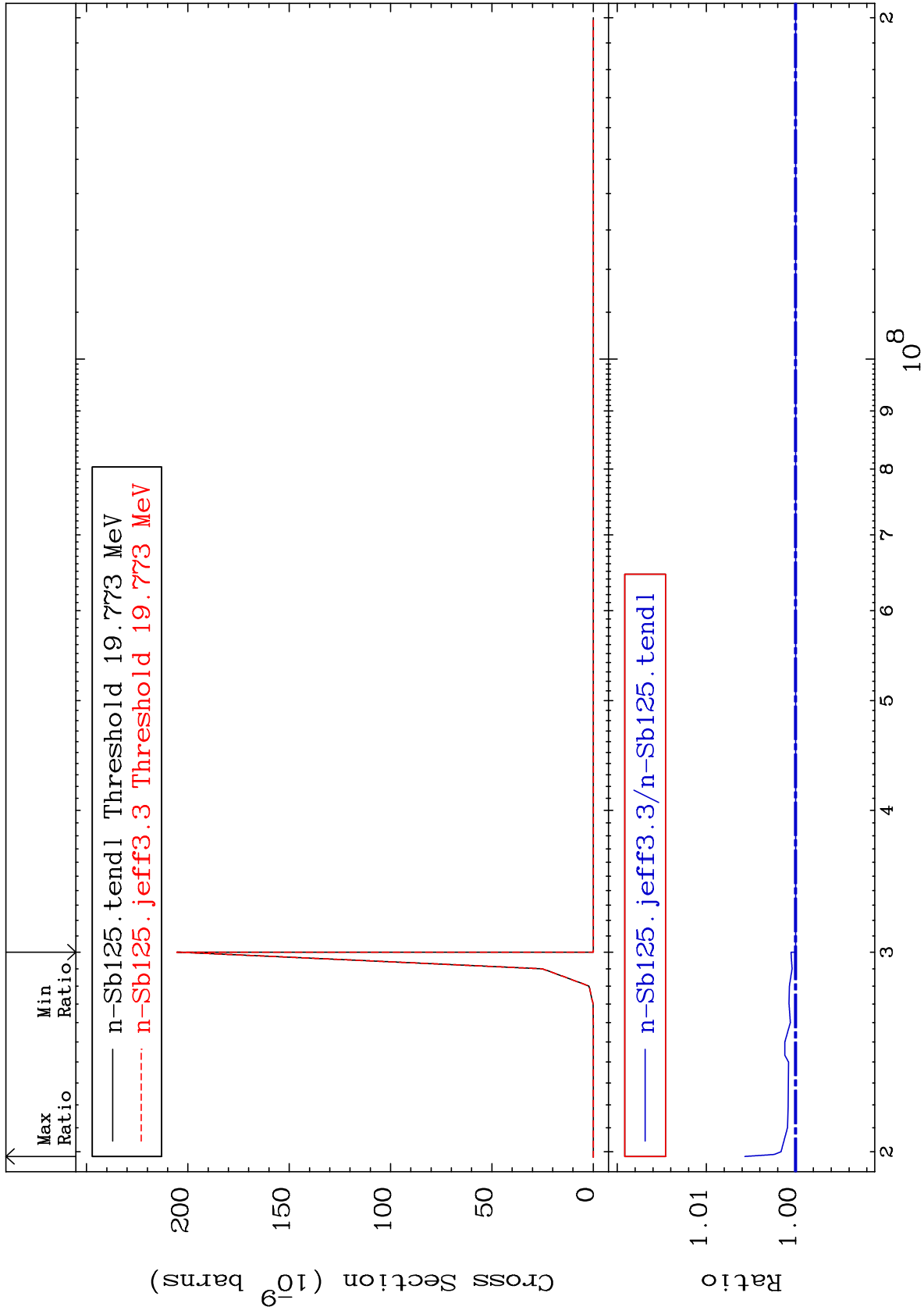
Incident Energy (eV)

51-Sb-125

MAT 5137

(n, n') He-3
Cross Section

51-Sb-125
To 0.570 %



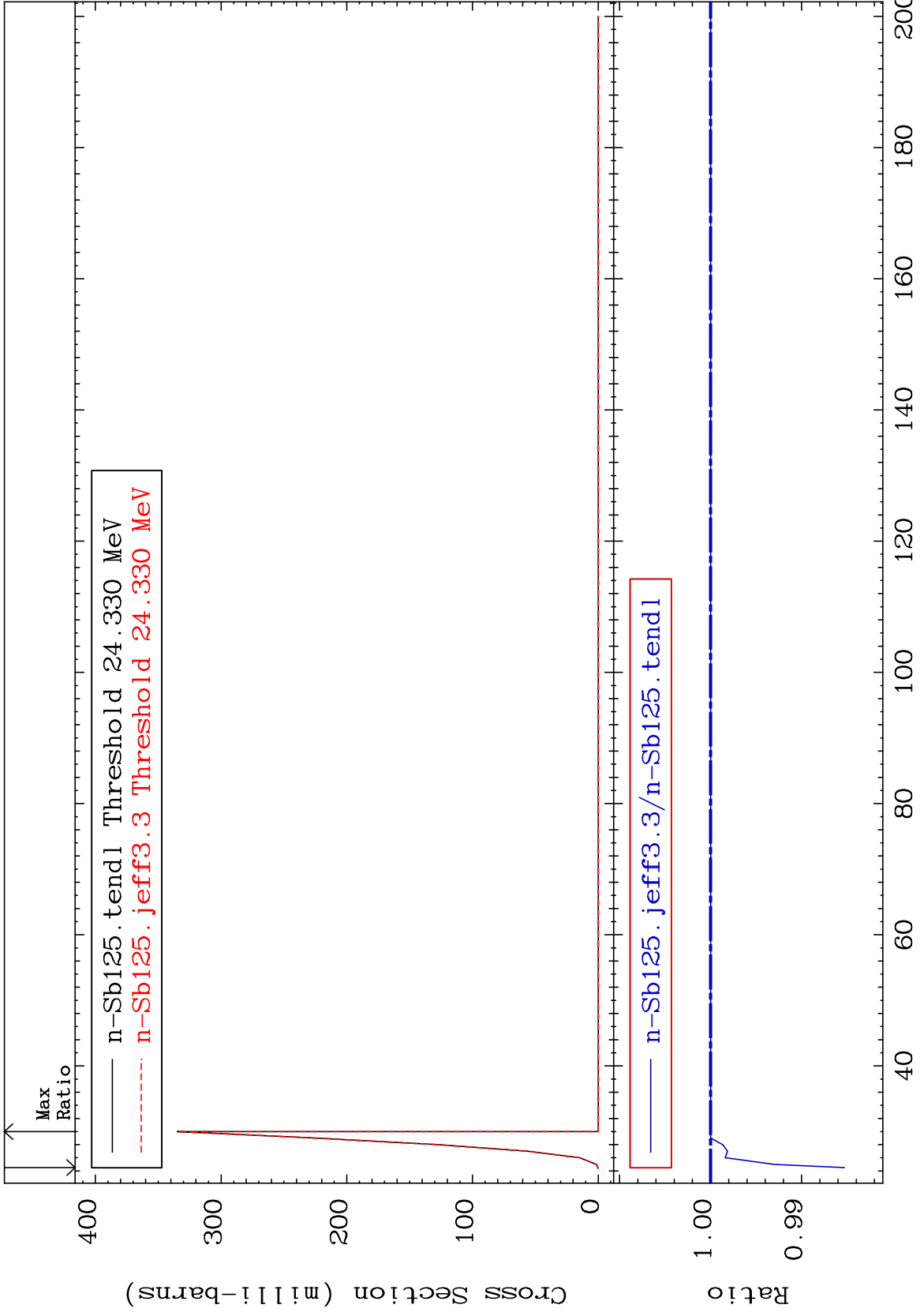
MAT 5137

(n,4n)

51-Sb-125

Cross Section

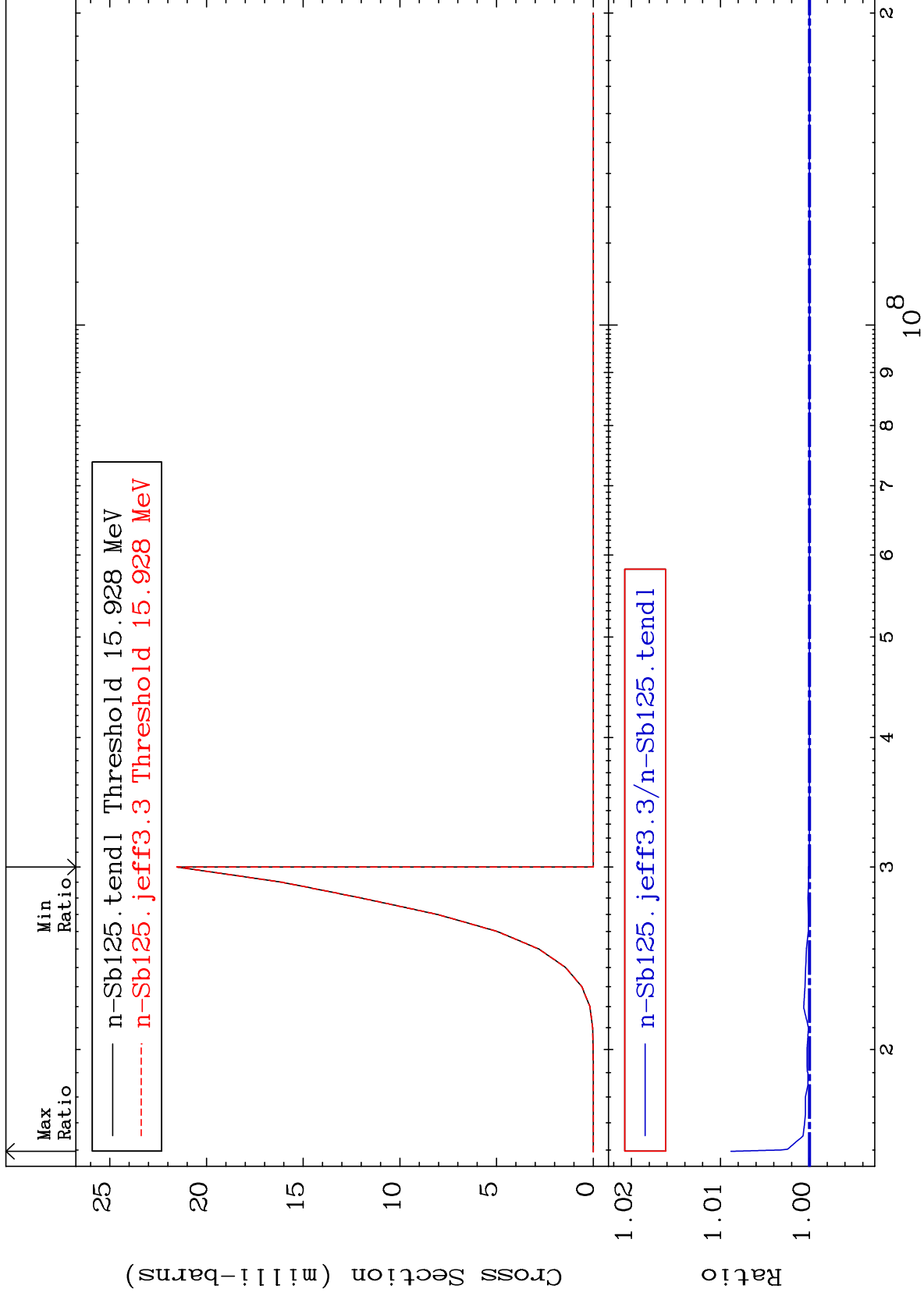
-1.470 To 0.009 %



MAT 5137

(n,2n) p
Cross Section

51-Sb-125
To 0.883 %



15

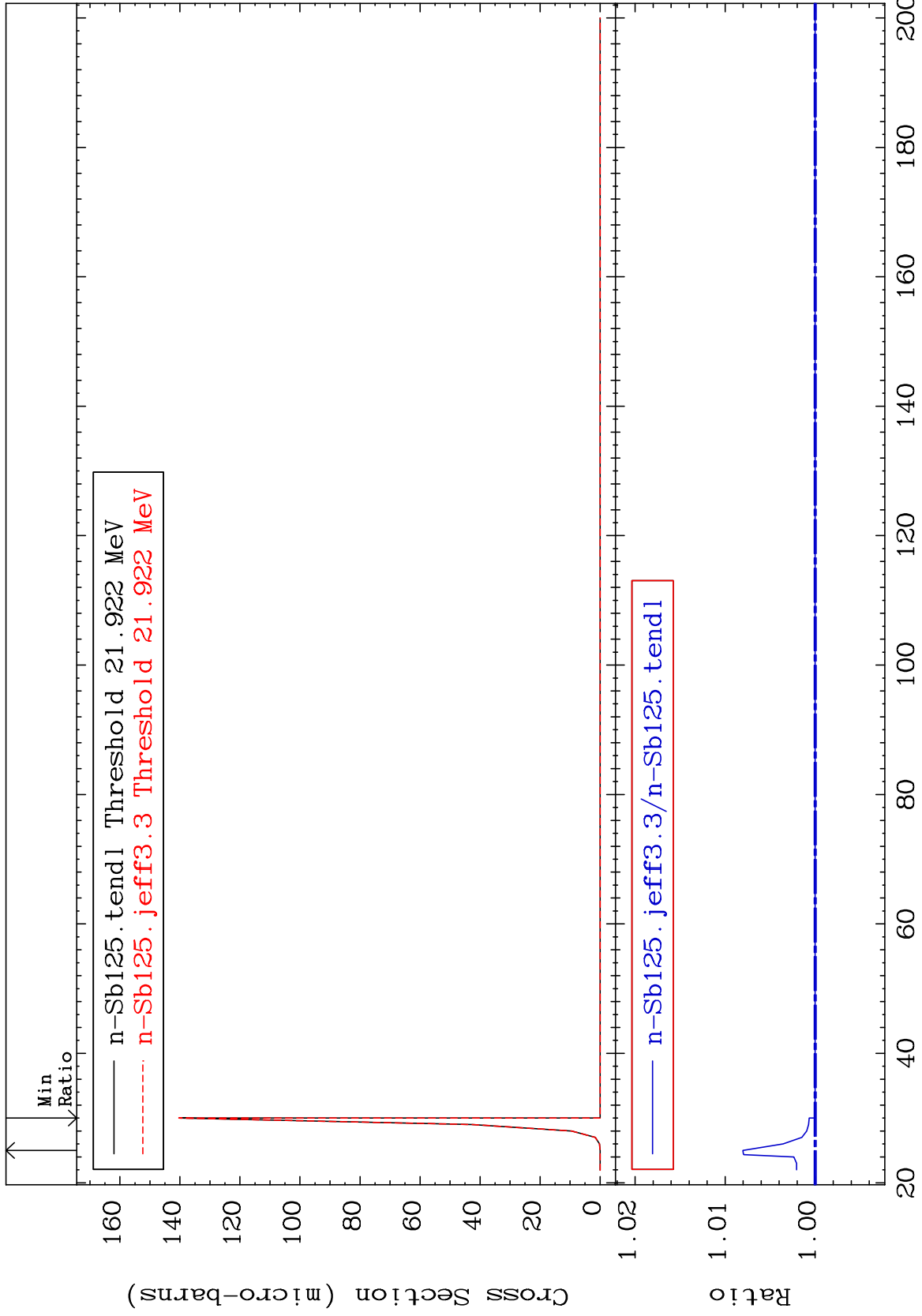
51-Sb-125

51-Sb-125

MAT 5137

(n,3n) p
Cross Section

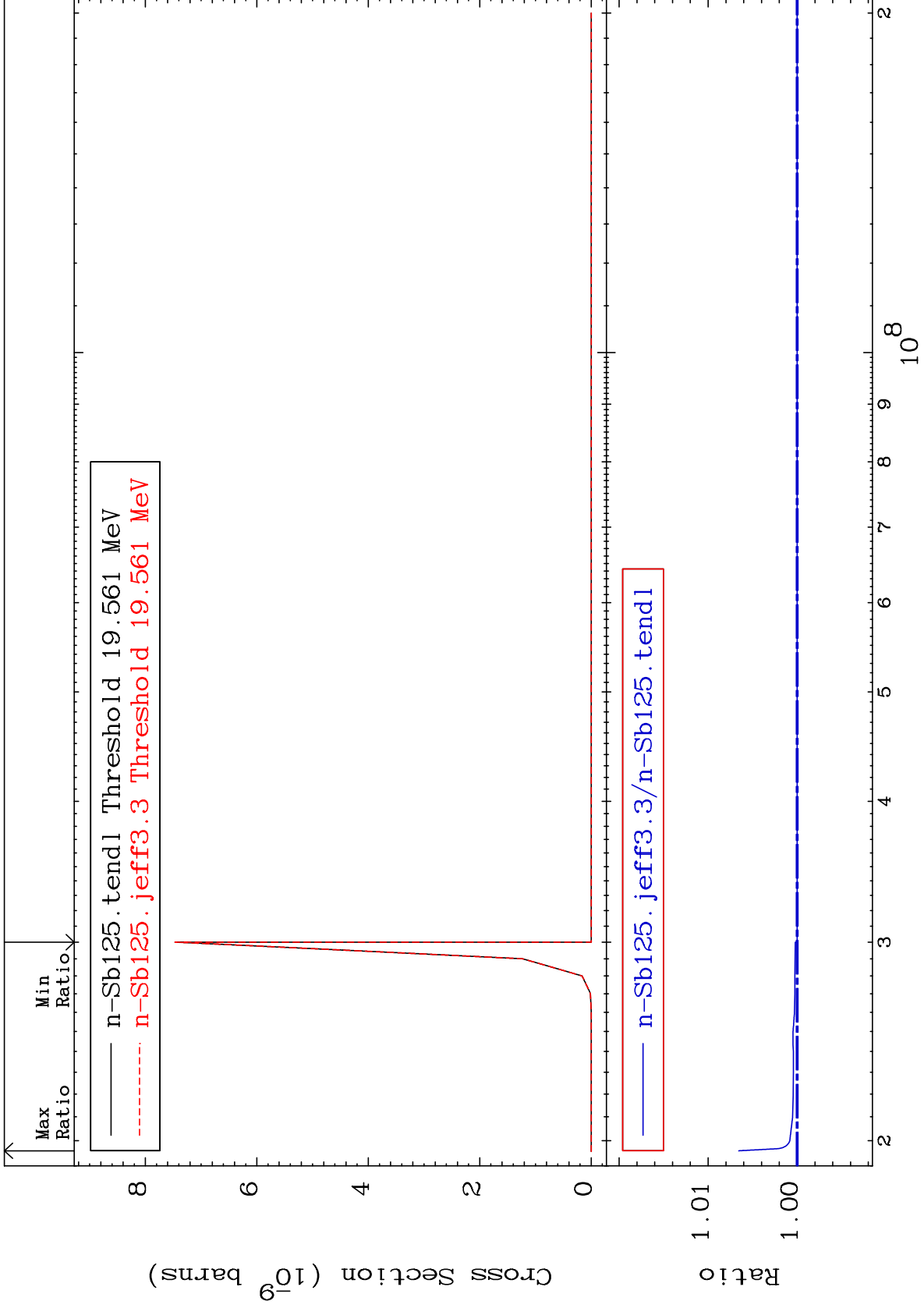
51-Sb-125
0.000 To 0.804 %



MAT 5137

(n,2n) p
Cross Section

51-Sb-125
0.000 To 0.656 %



17

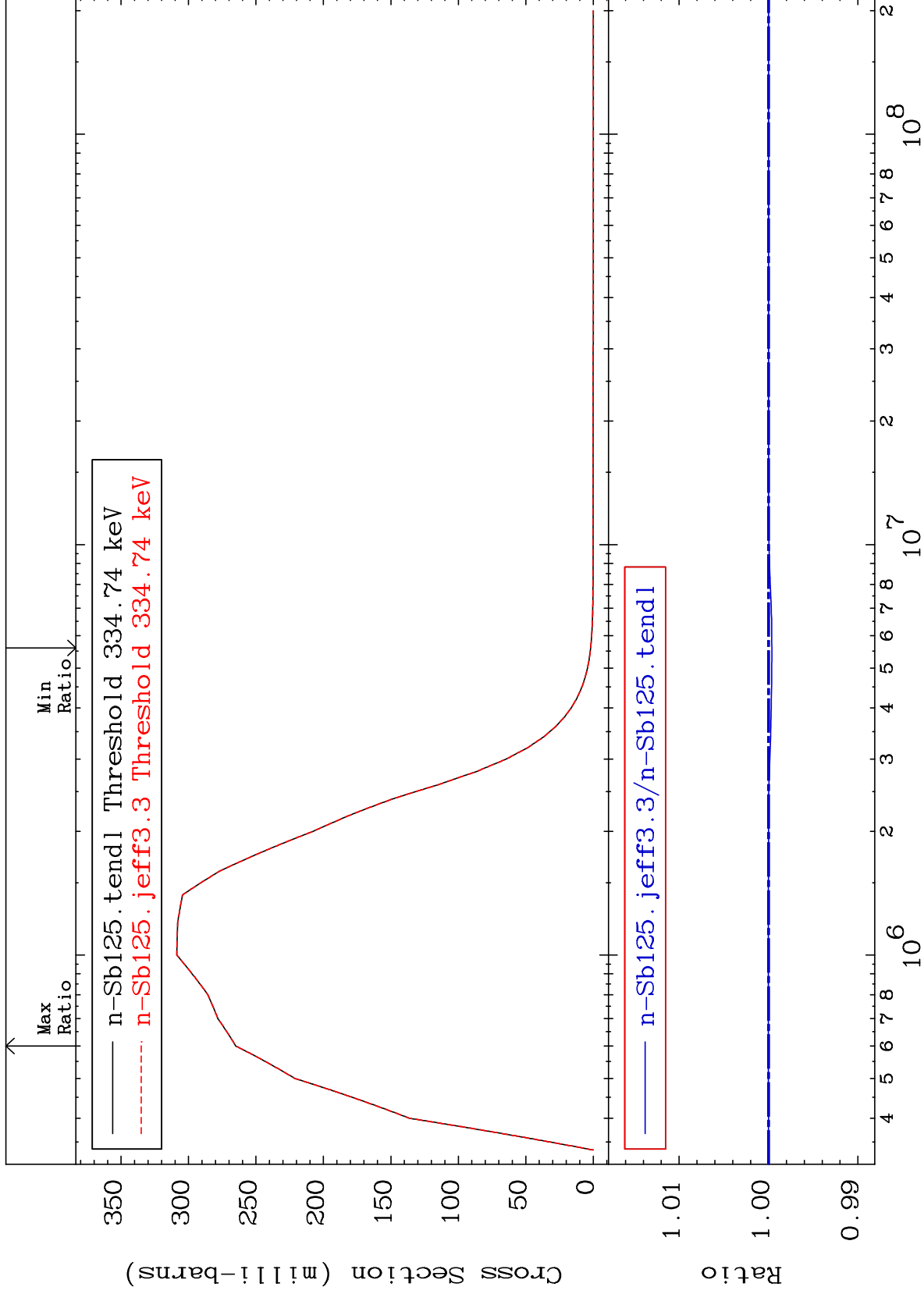
Incident Energy (eV)

51-Sb-125

MAT 5137

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

51-Sb-125
-0.037 To 0.001 %



18

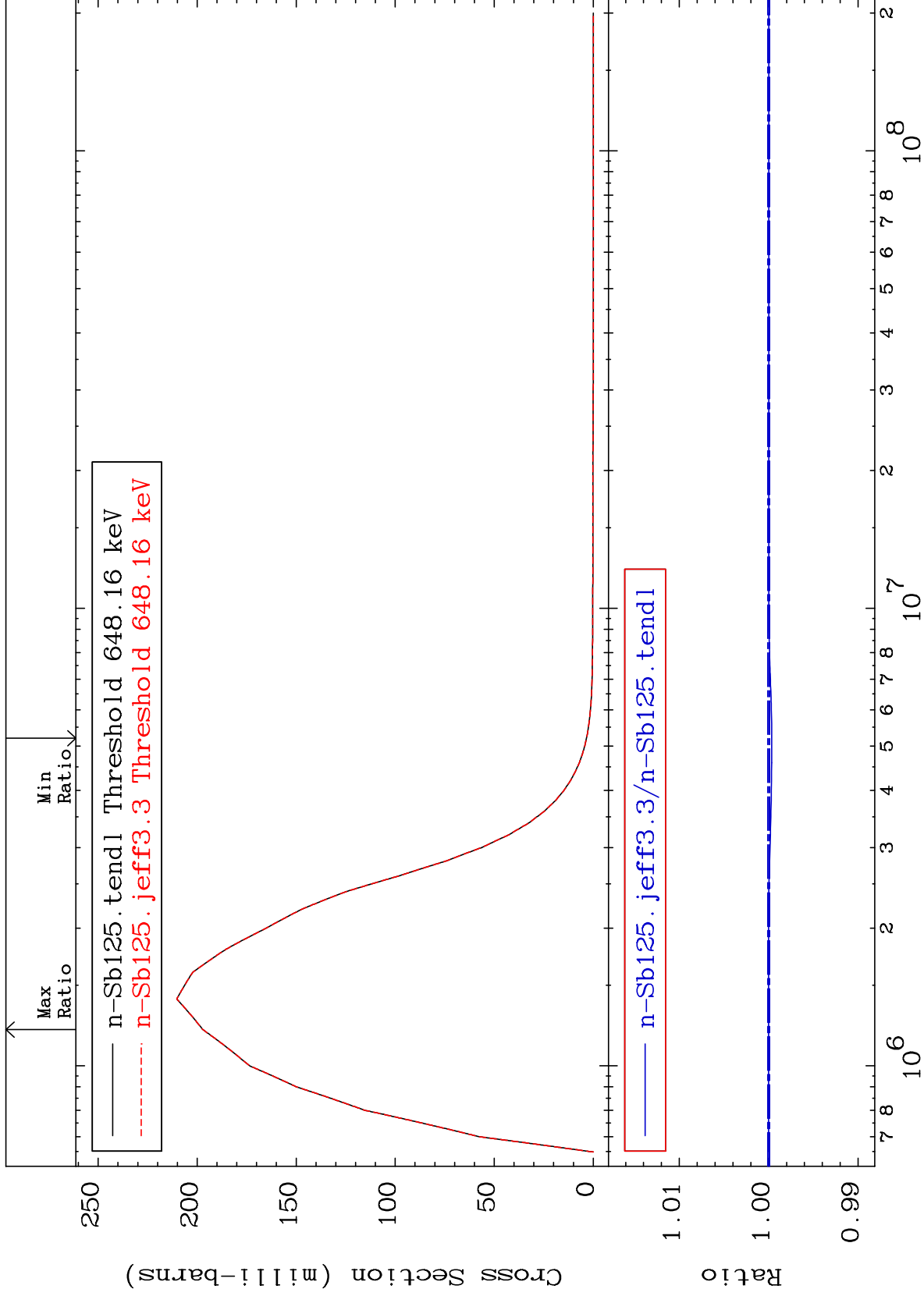
Incident Energy (eV)

51-Sb-125

MAT 5137

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

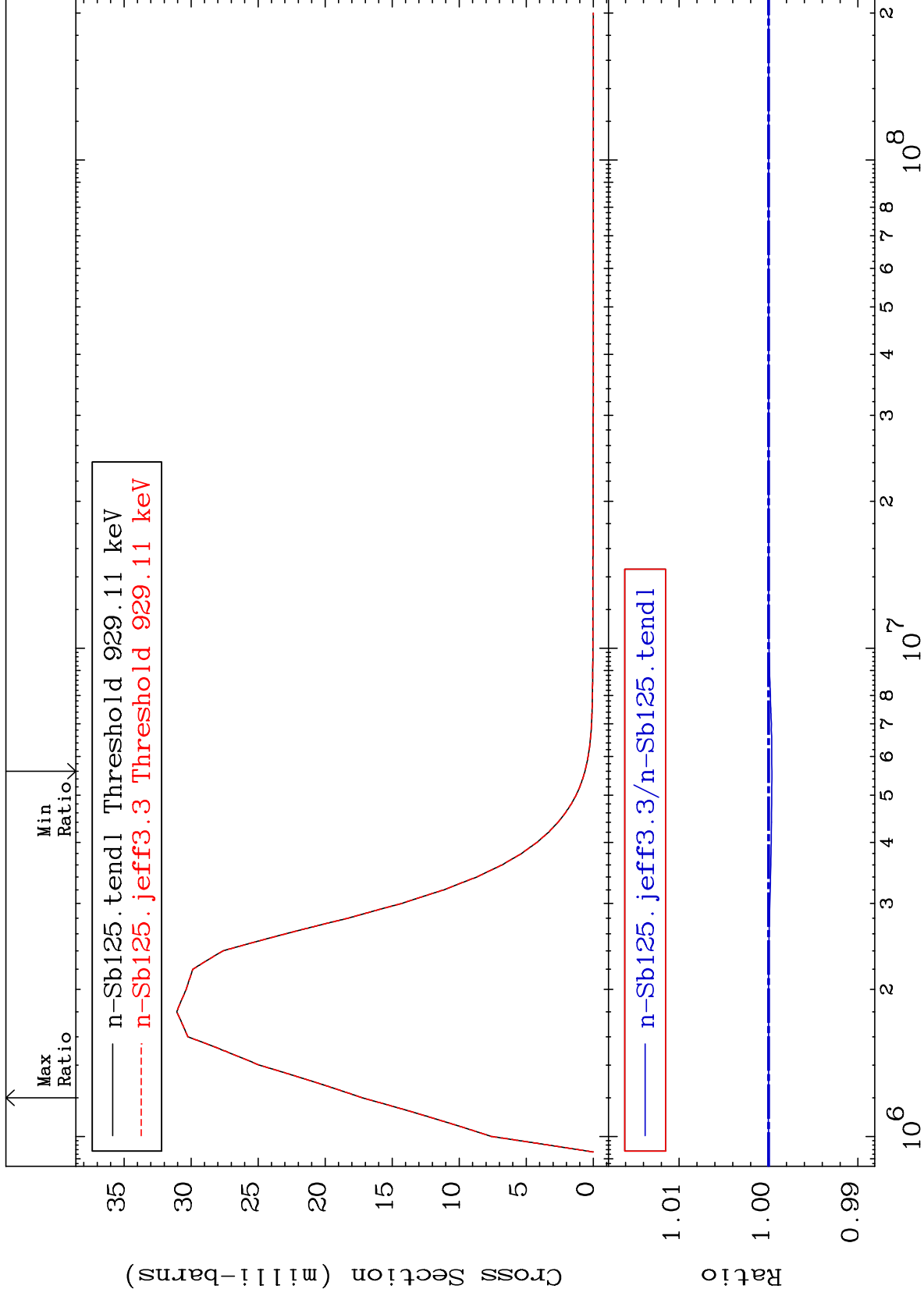
51-Sb-125
-0.033 To 0.001 %



MAT 5137

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

51-Sb-125
-0.037 To 0.001 %



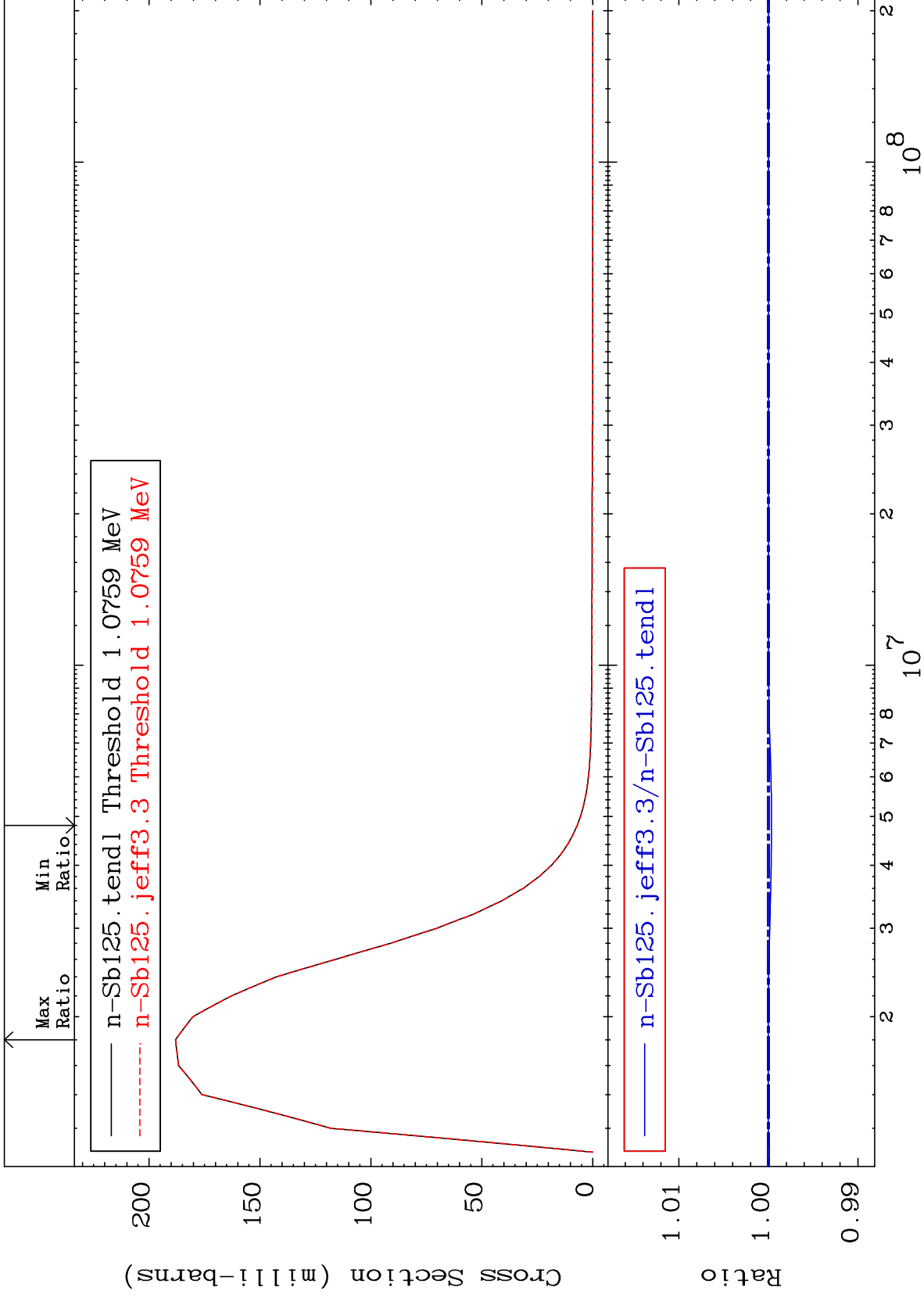
Incident Energy (eV)

51-Sb-125

MAT 5137

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

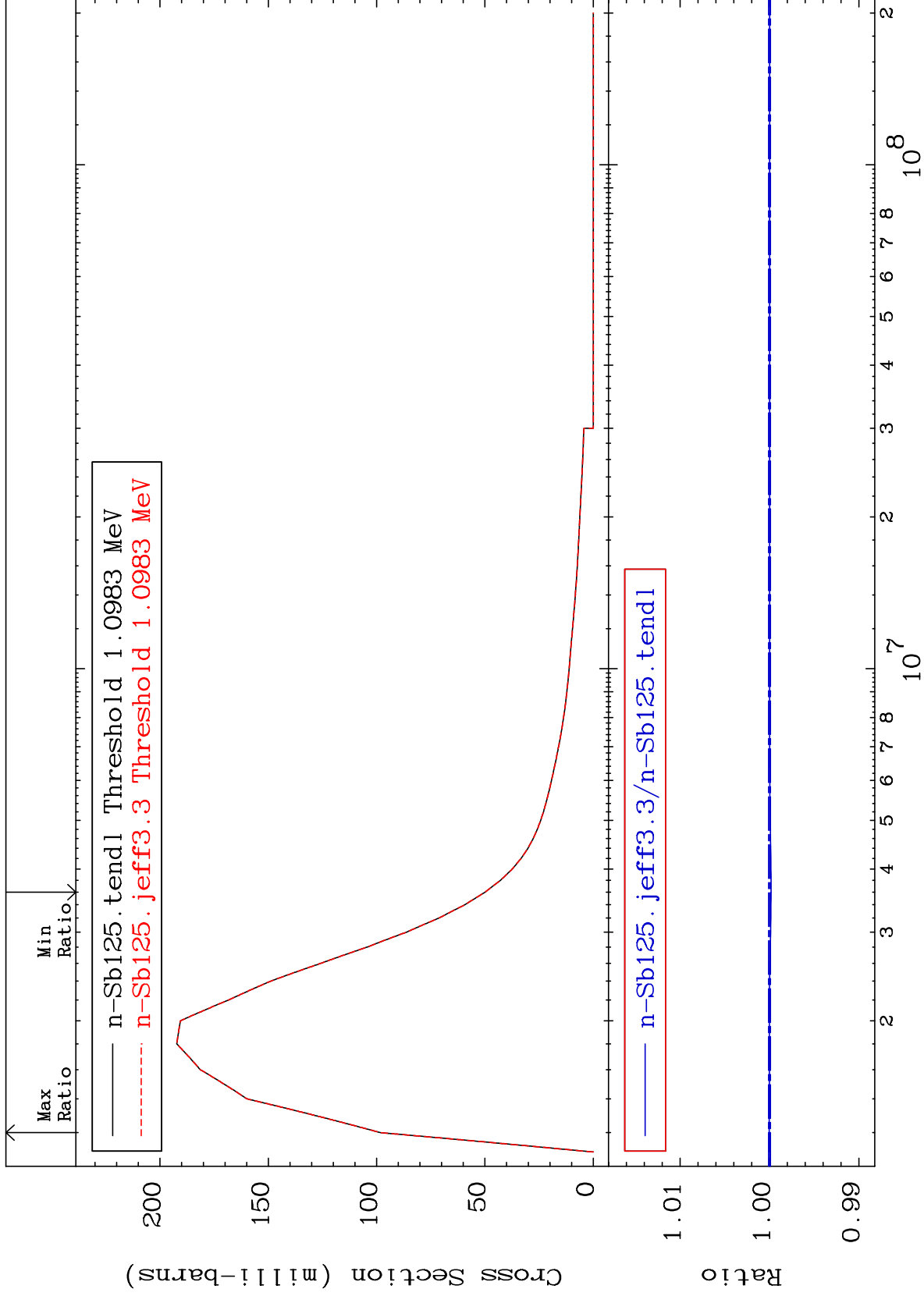
51-Sb-125
-0.034 To 0.002 %



MAT 5137

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

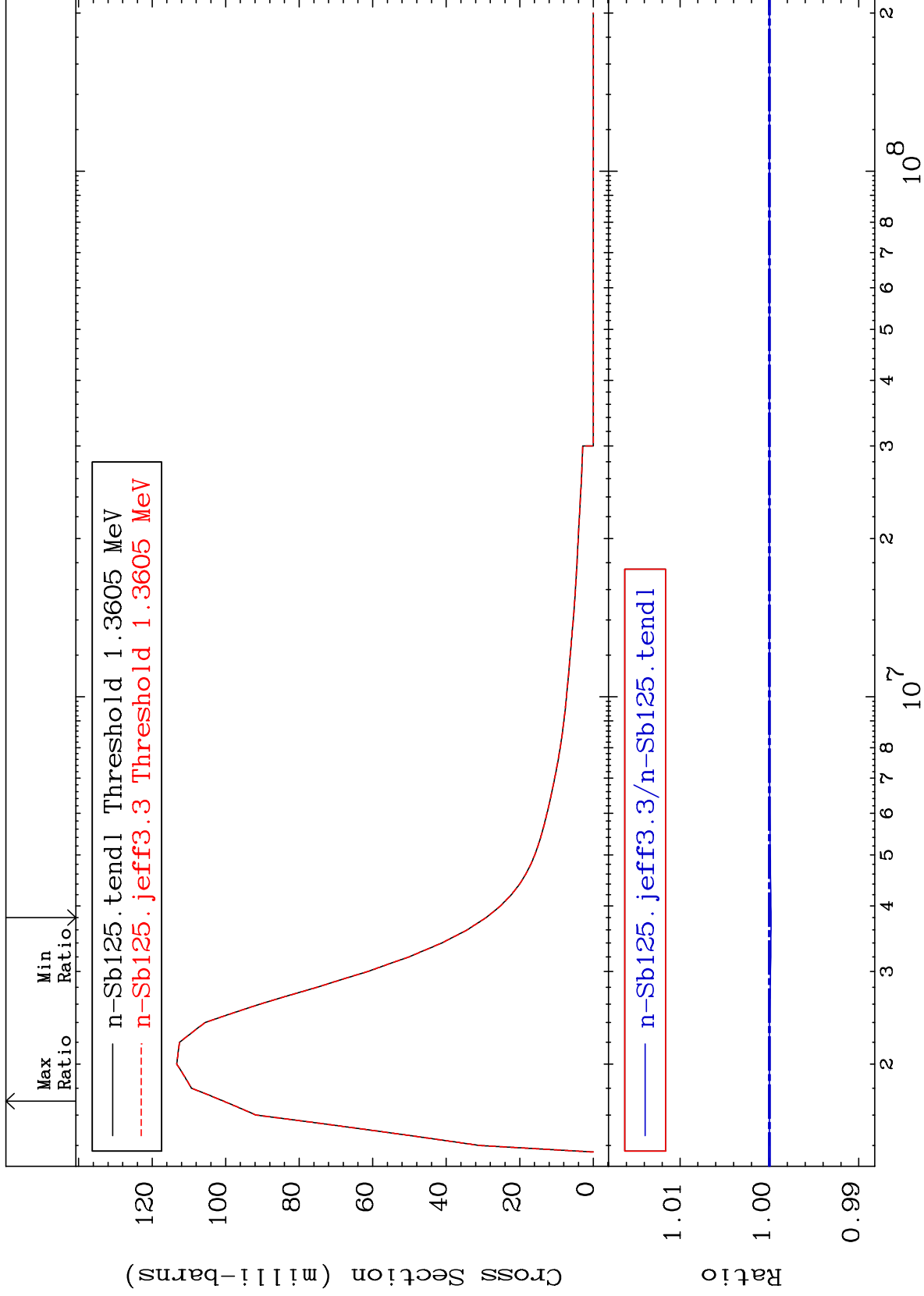
51-Sb-125
-0.017 To 0.003 %



MAT 5137

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

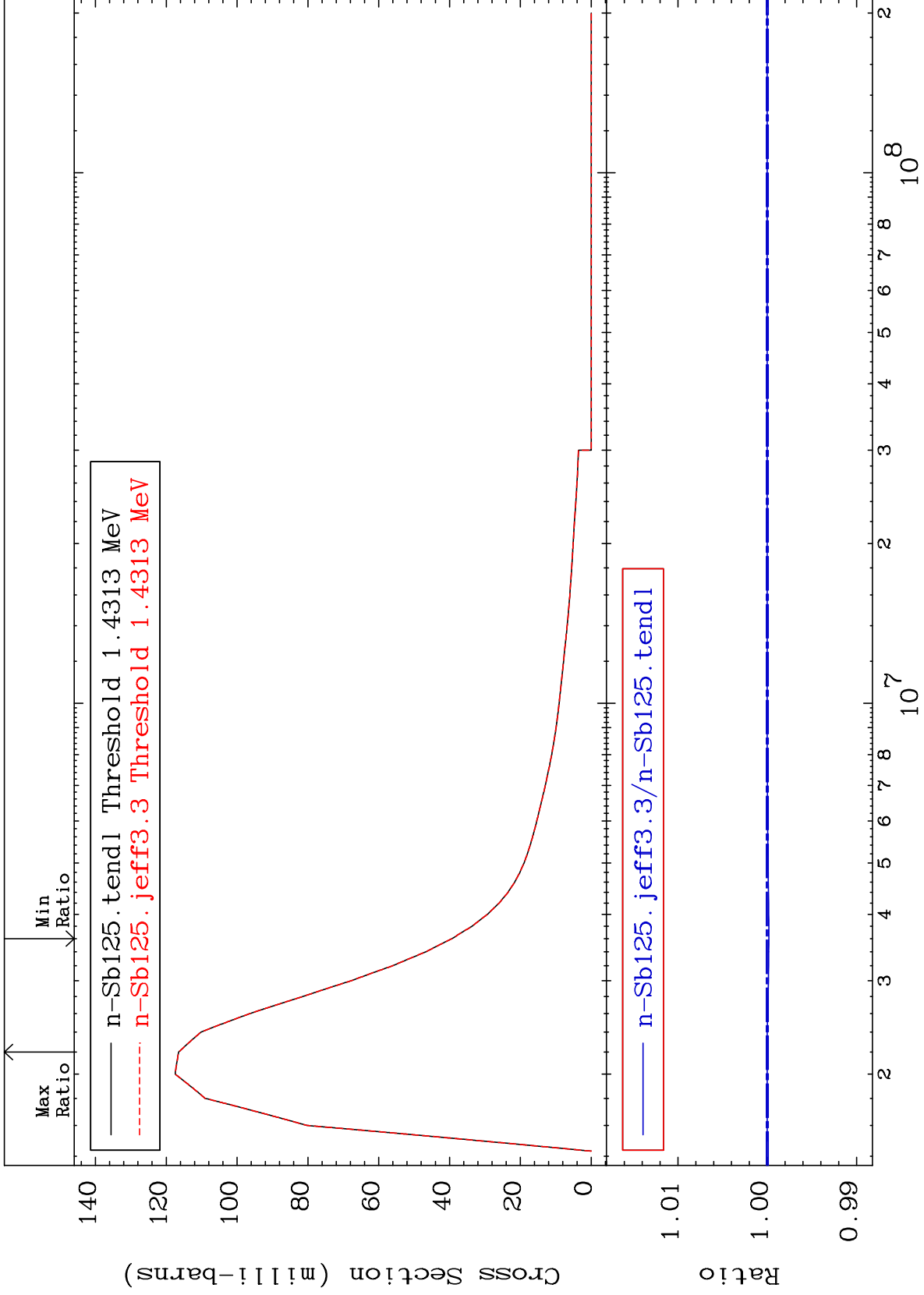
51-Sb-125
-0.018 To 0.000 %



MAT 5137

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

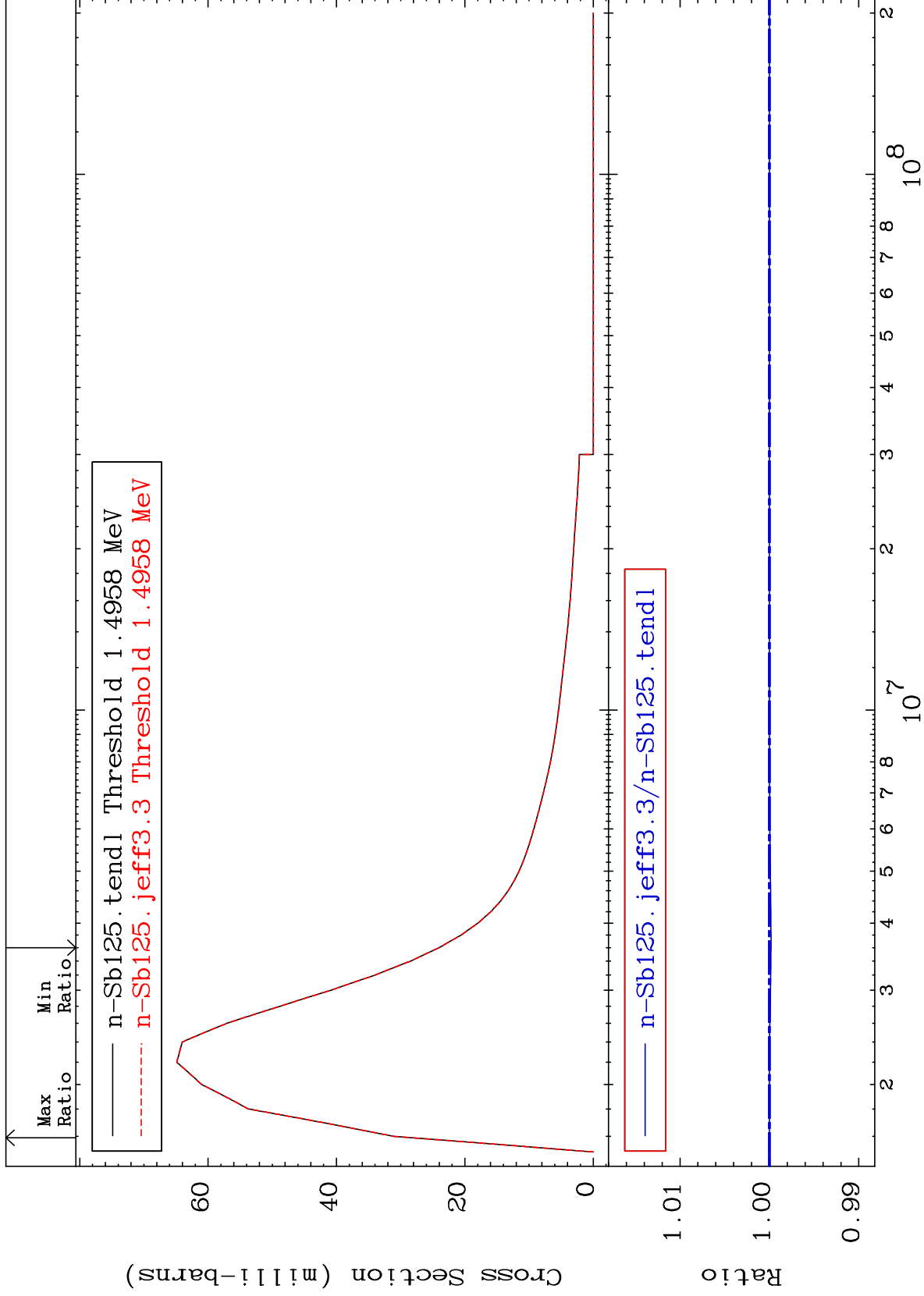
51-Sb-125
-0.017 To 0.002 %



MAT 5137

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

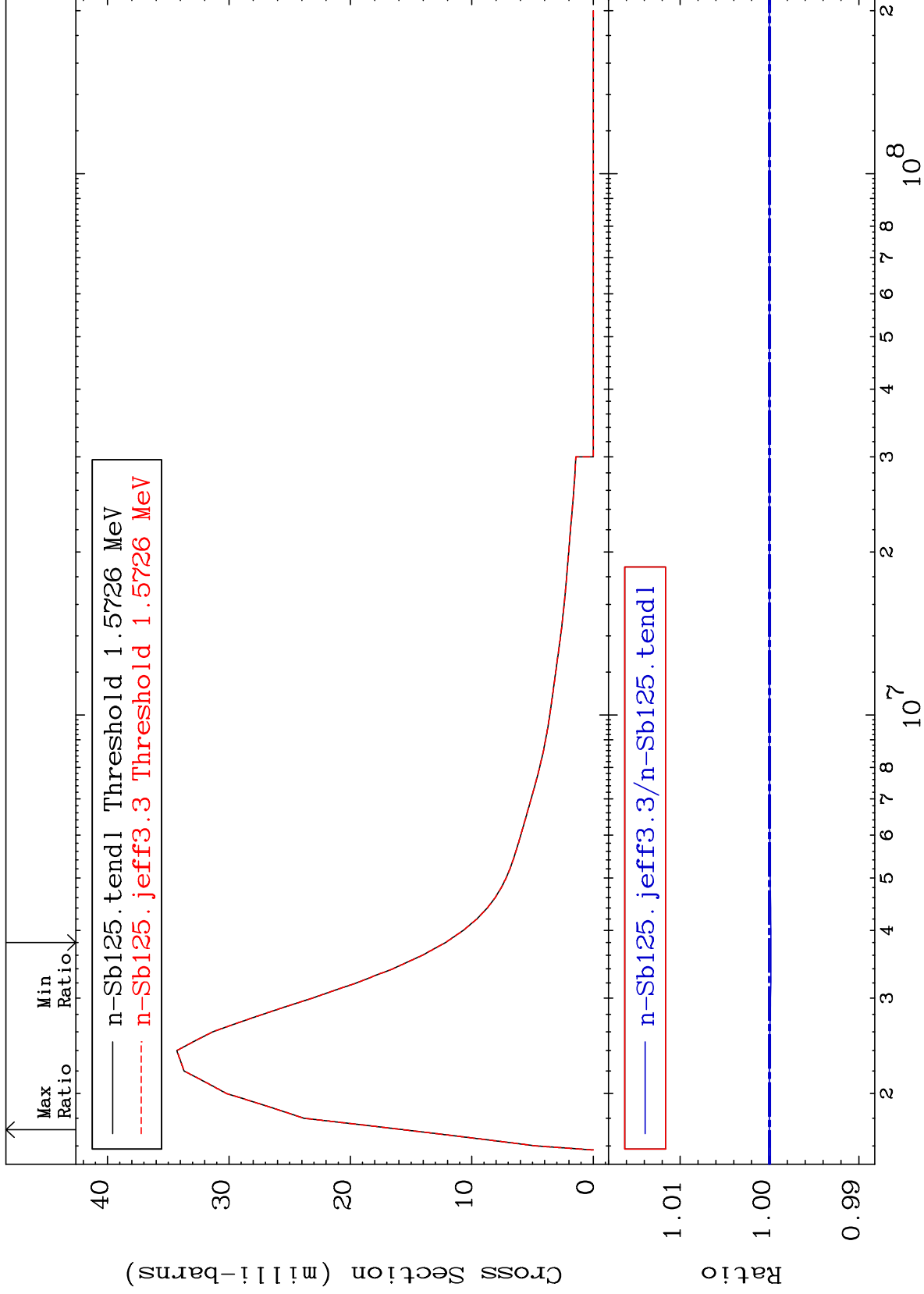
51-Sb-125
-0.017 To 0.000 %



MAT 5137

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

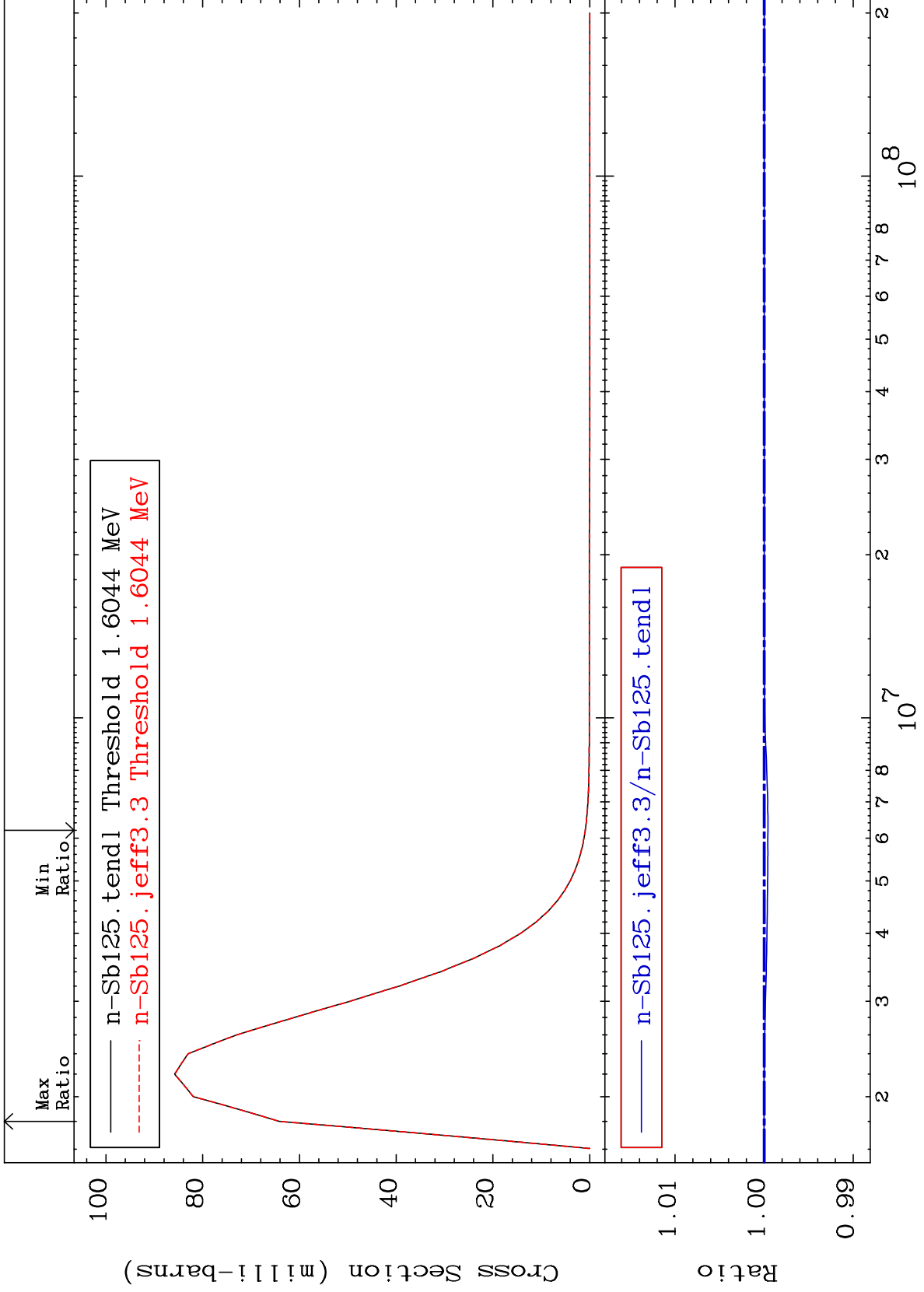
51-Sb-125
-0.016 To 0.000 %



MAT 5137

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

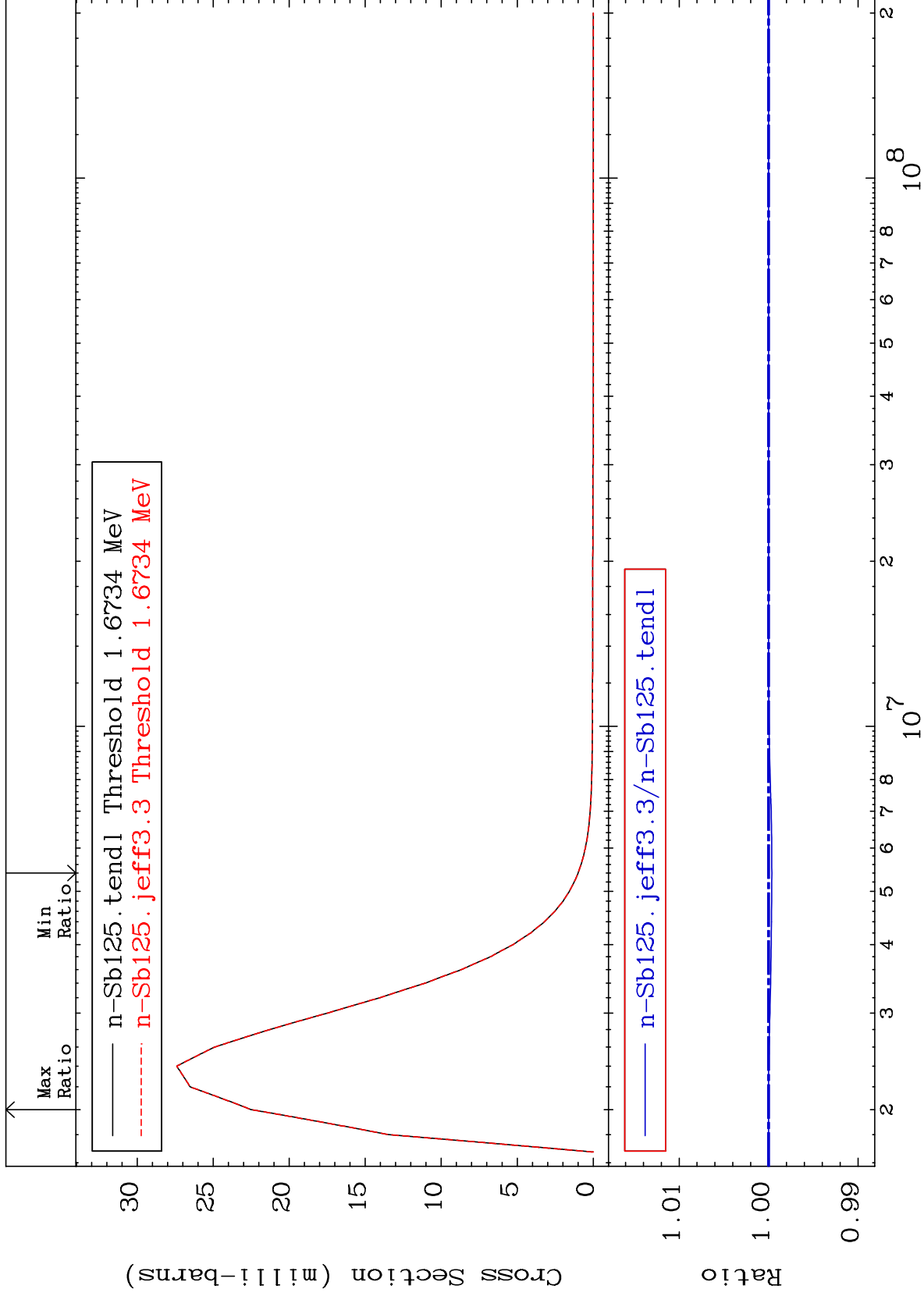
51-Sb-125
-0.042 To 0.001 %



MAT 5137

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

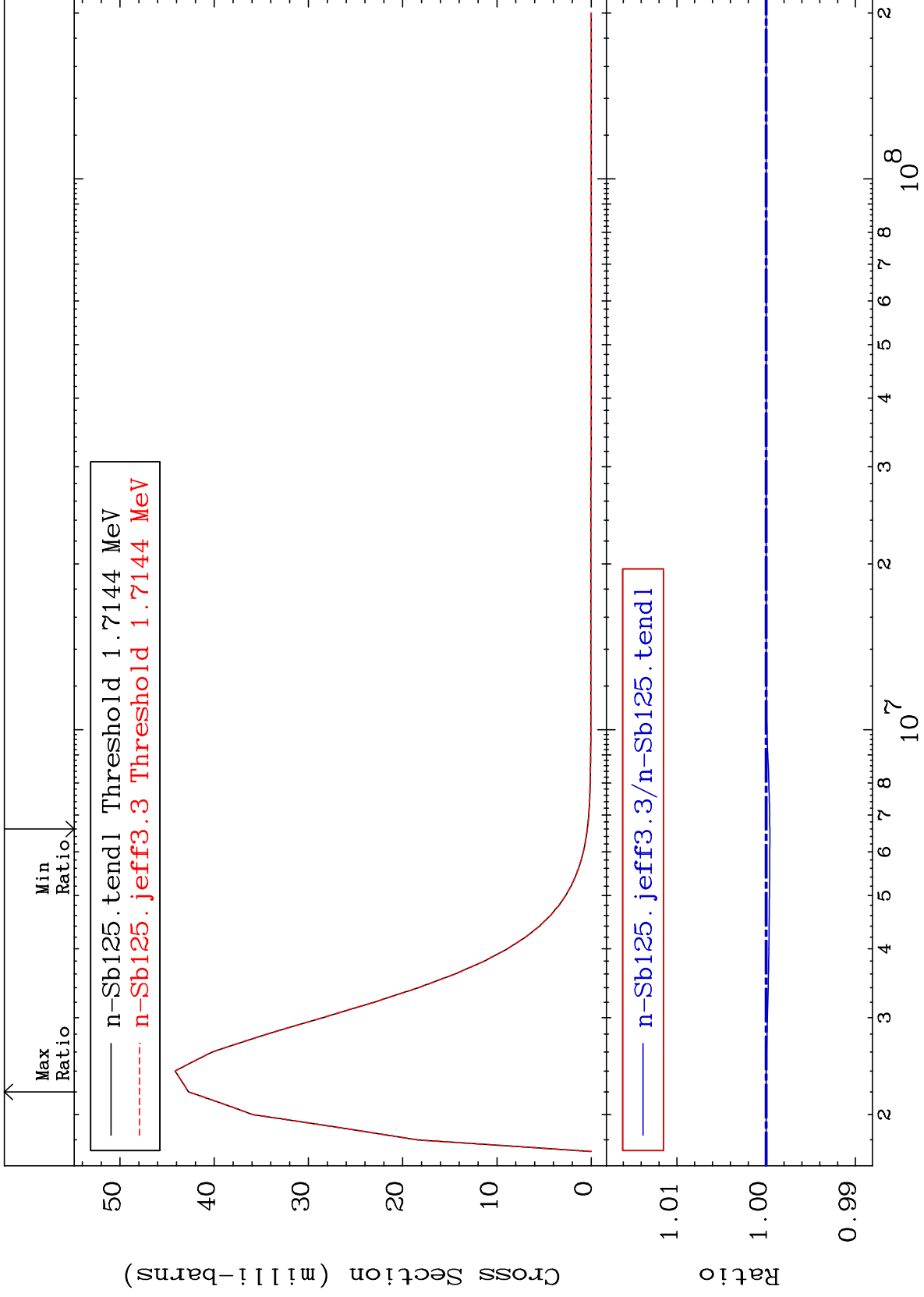
51-Sb-125
-0.036 To 0.000 %



MAT 5137

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

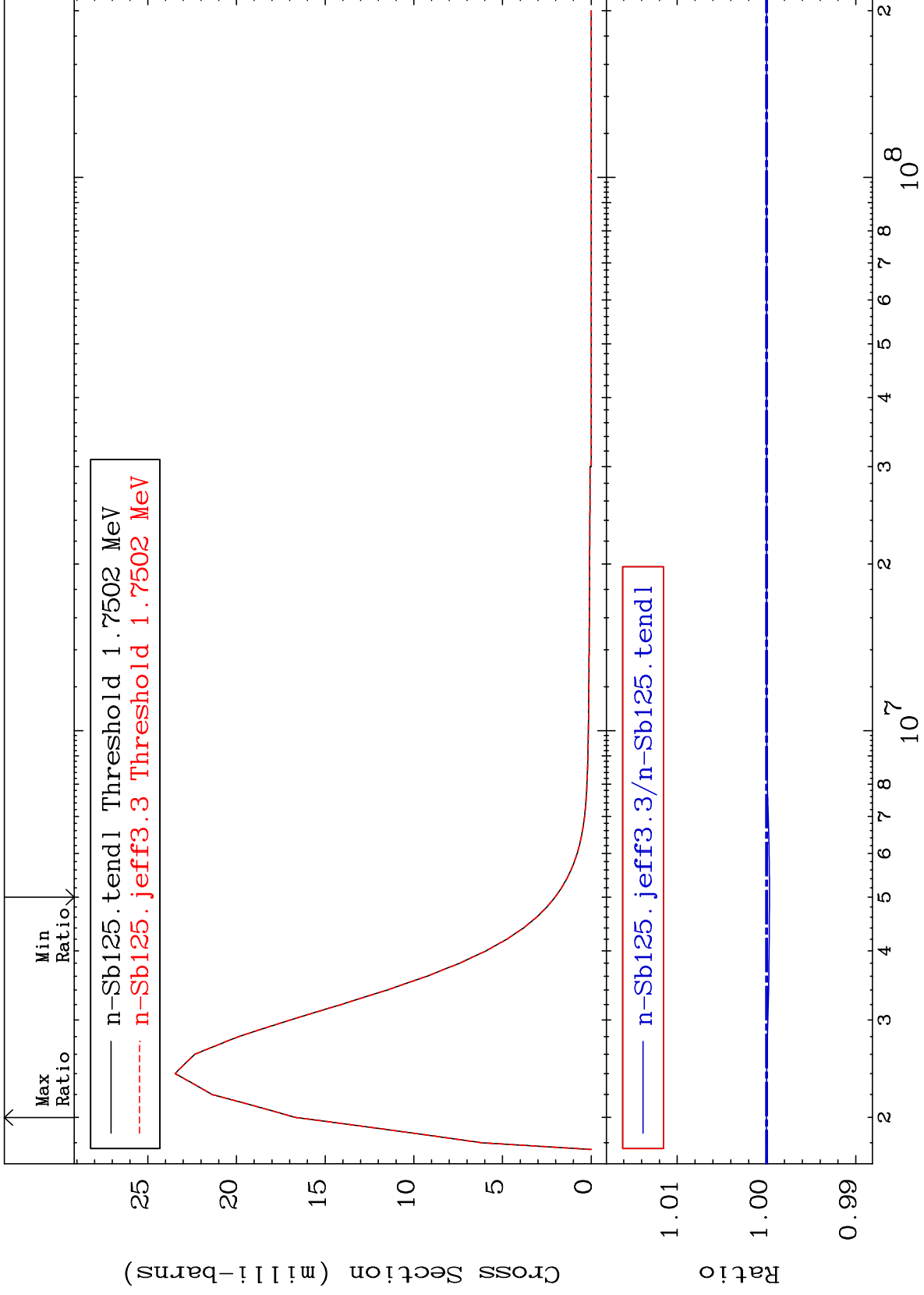
51-Sb-125
-0.041 To 0.000 %



MAT 5137

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

51-Sb-125
-0.032 To 0.001 %



30

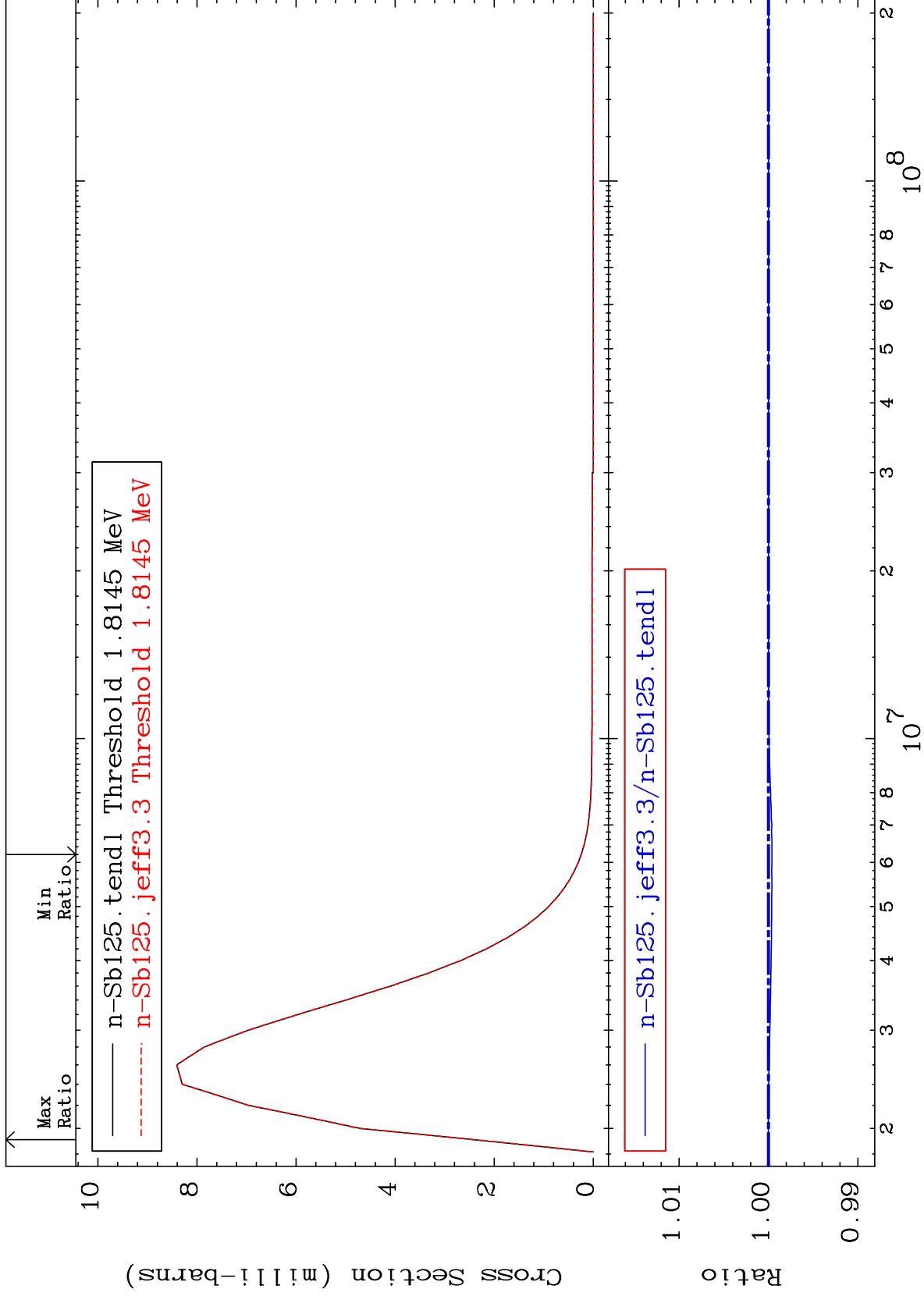
Incident Energy (eV)

51-Sb-125

MAT 5137

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

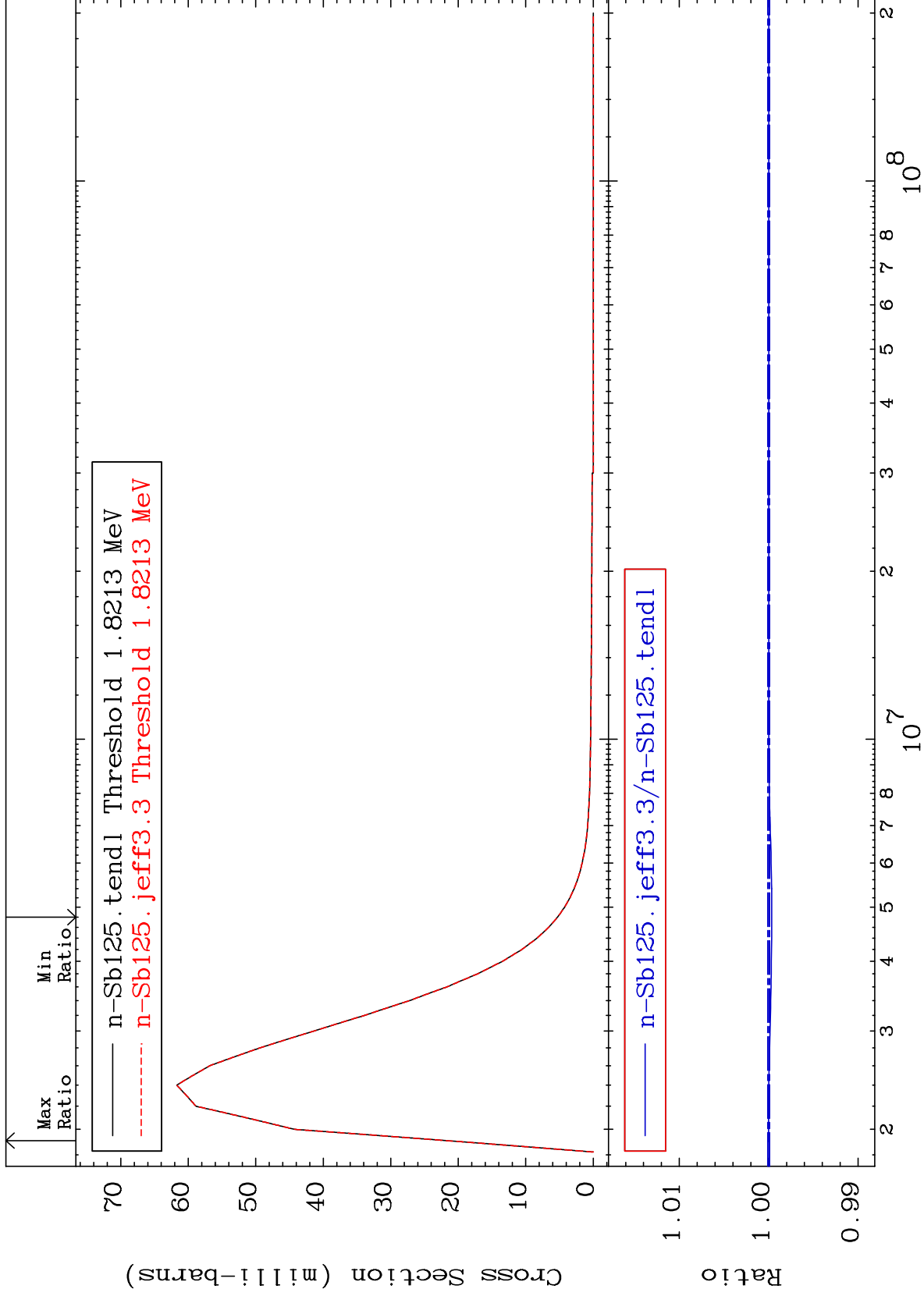
51-Sb-125
-0.038 To 0.000 %



MAT 5137

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

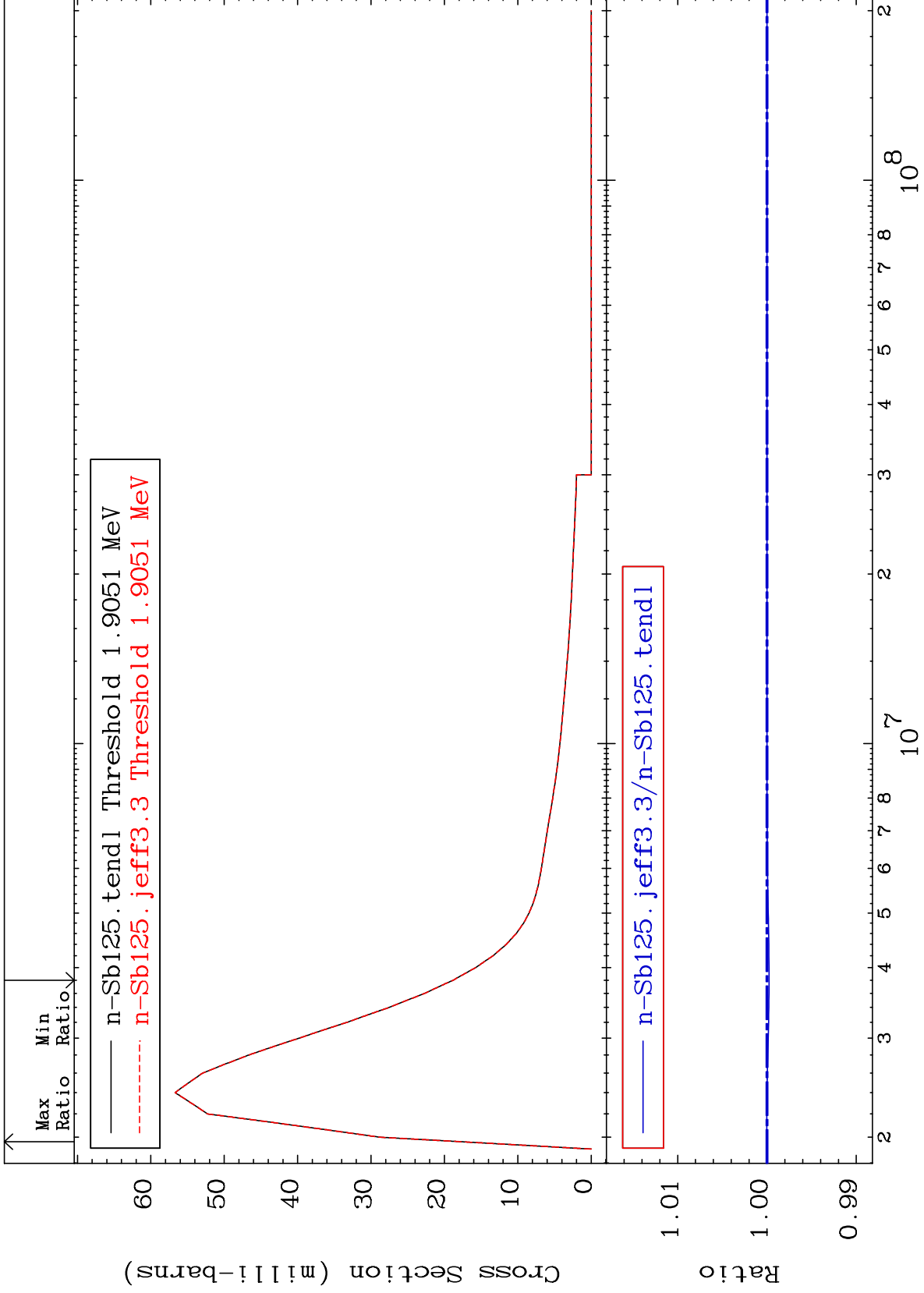
51-Sb-125
-0.034 To 0.001 %



MAT 5137

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

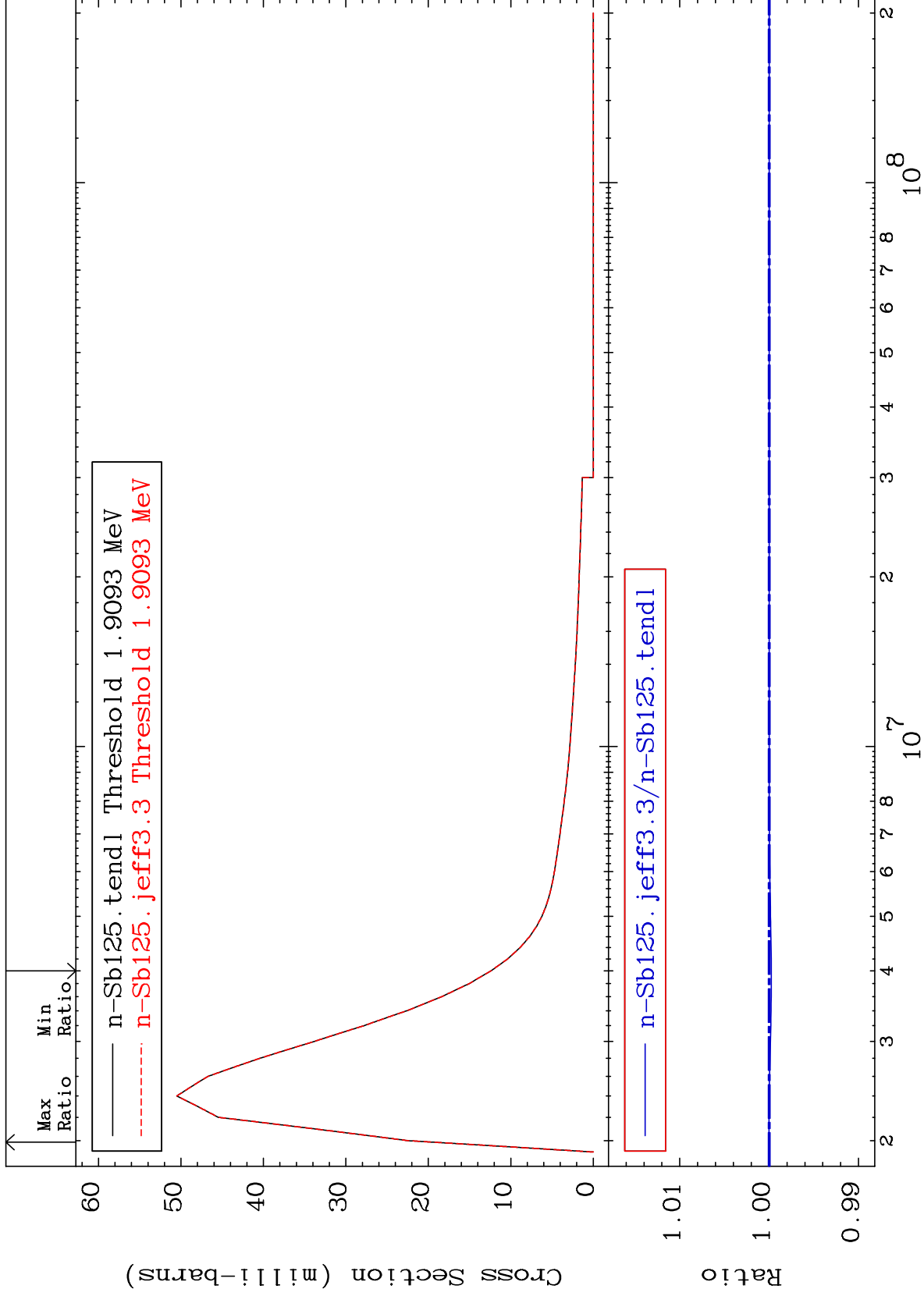
51-Sb-125
-0.023 To 0.002 %



MAT 5137

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

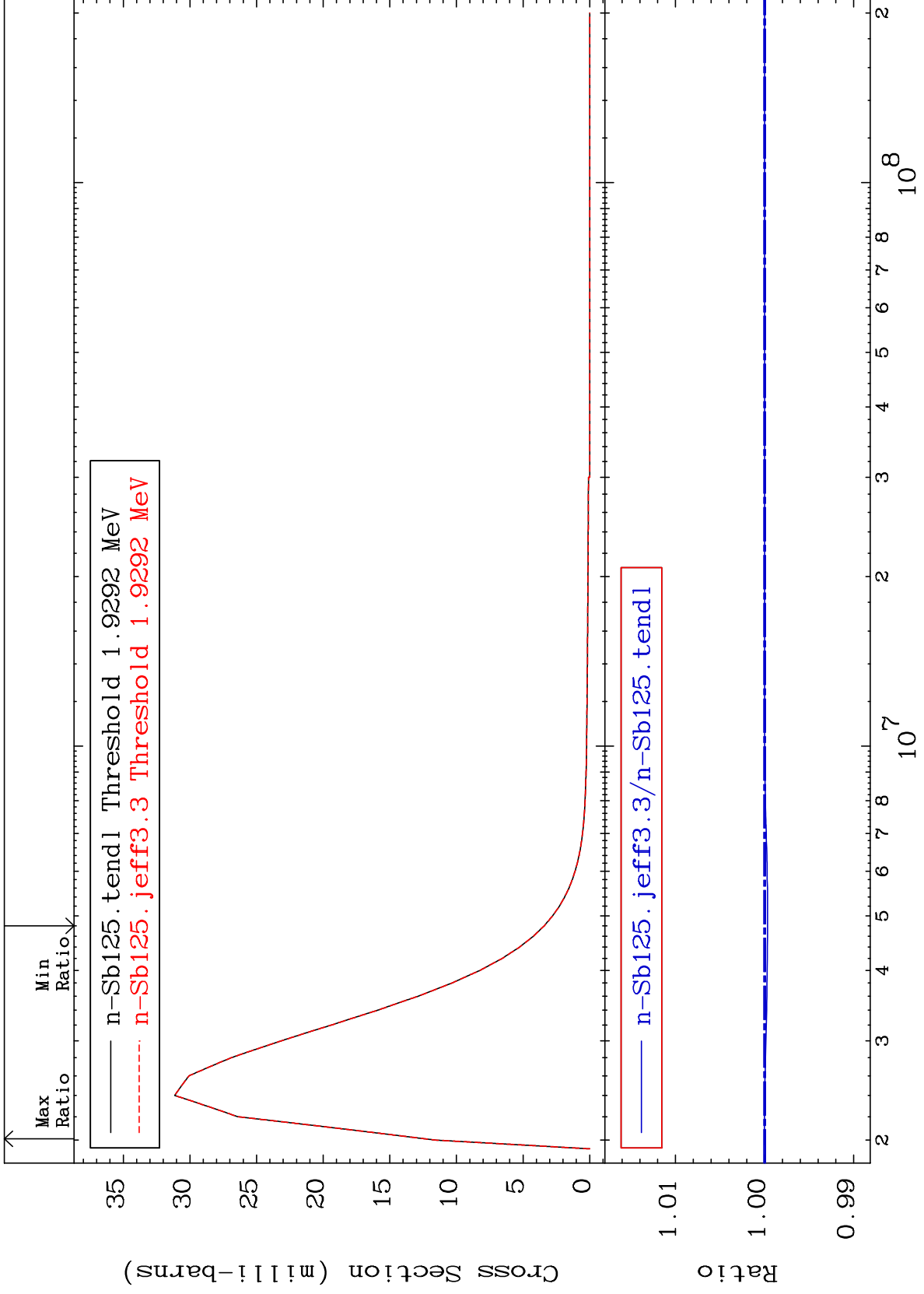
51-Sb-125
-0.023 To 0.000 %



MAT 5137

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

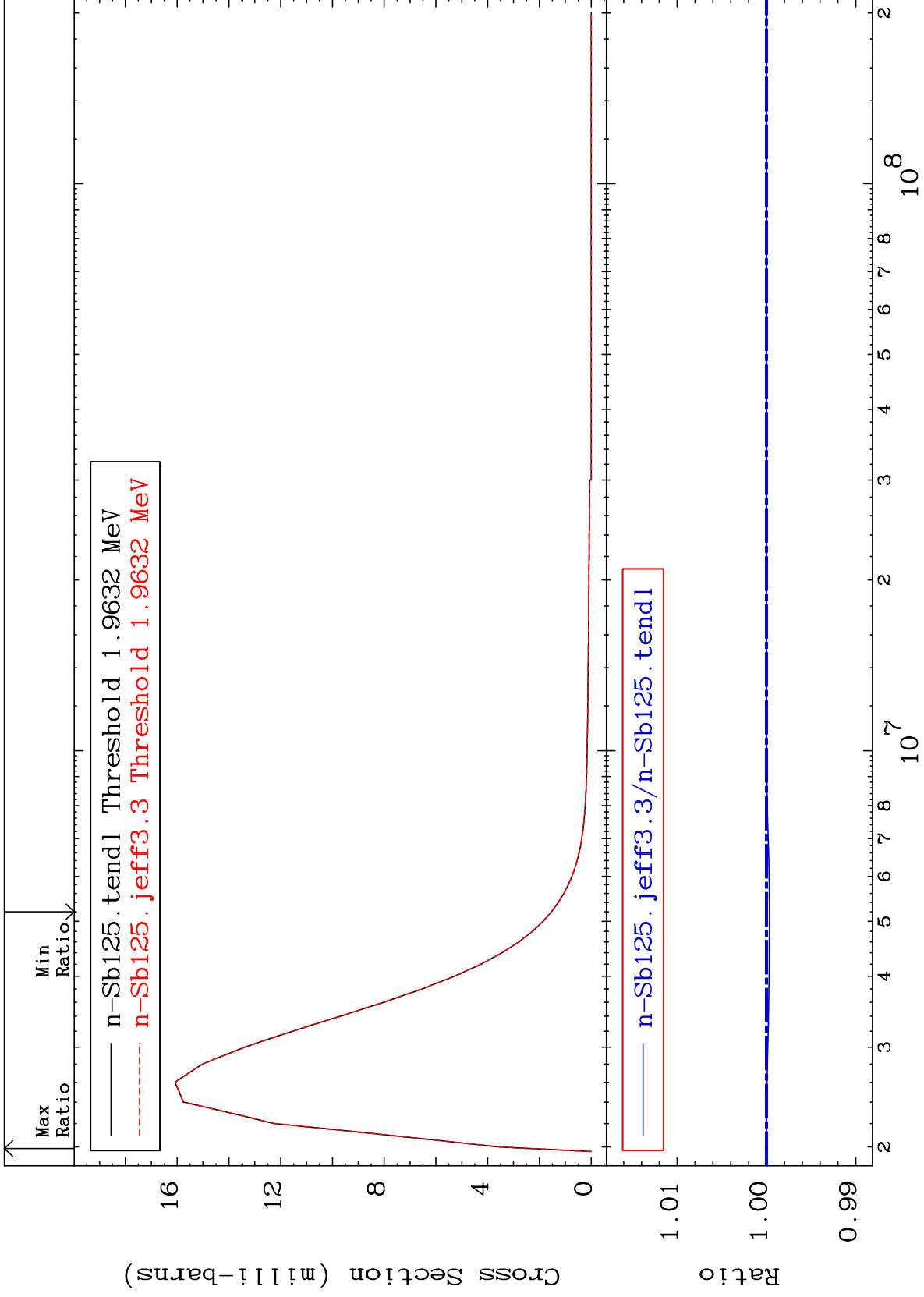
51-Sb-125
-0.033 To 0.000 %



MAT 5137

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

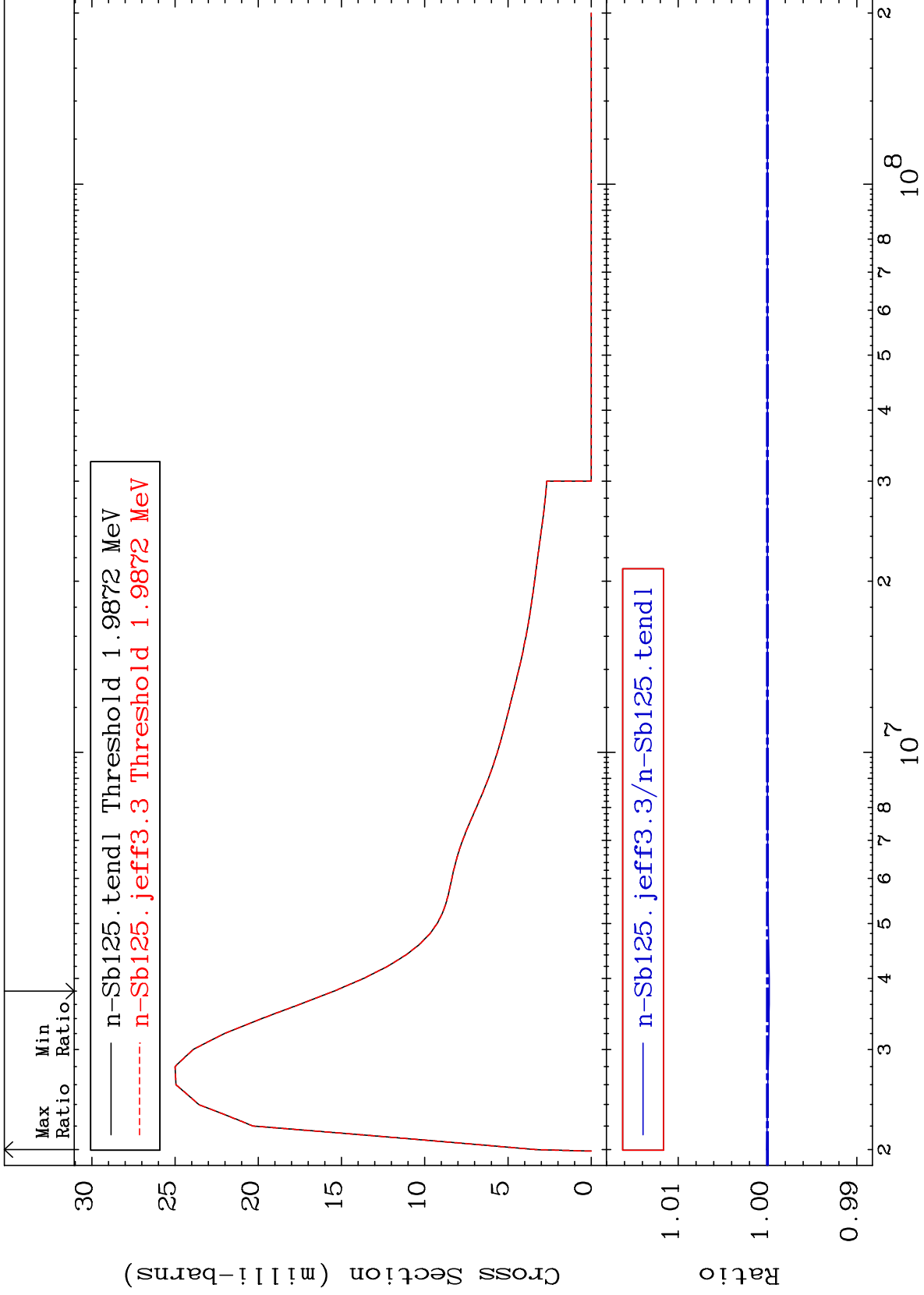
51-Sb-125
-0.033 To 0.000 %



MAT 5137

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

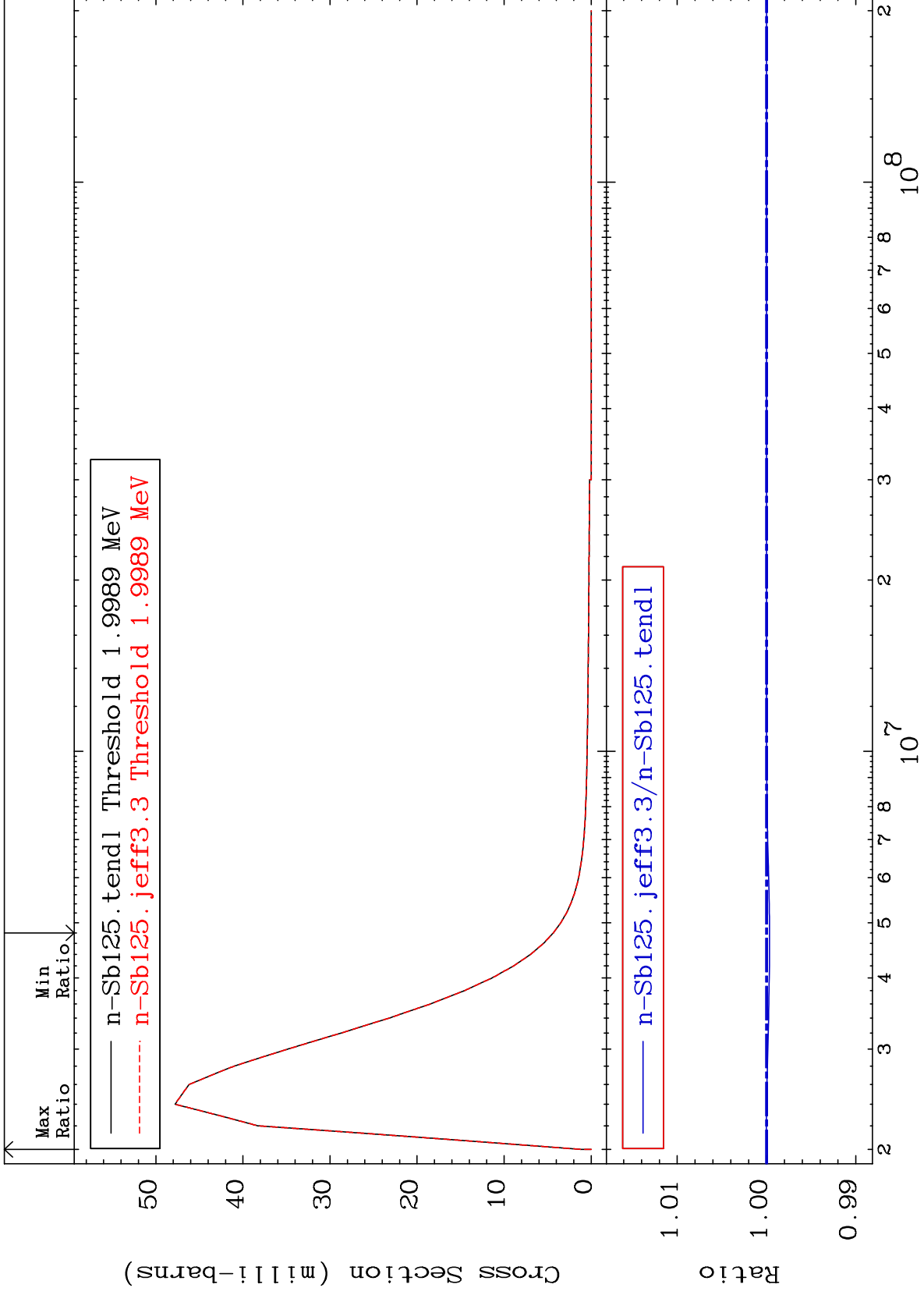
51-Sb-125
-0.021 To 0.009 %



MAT 5137

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

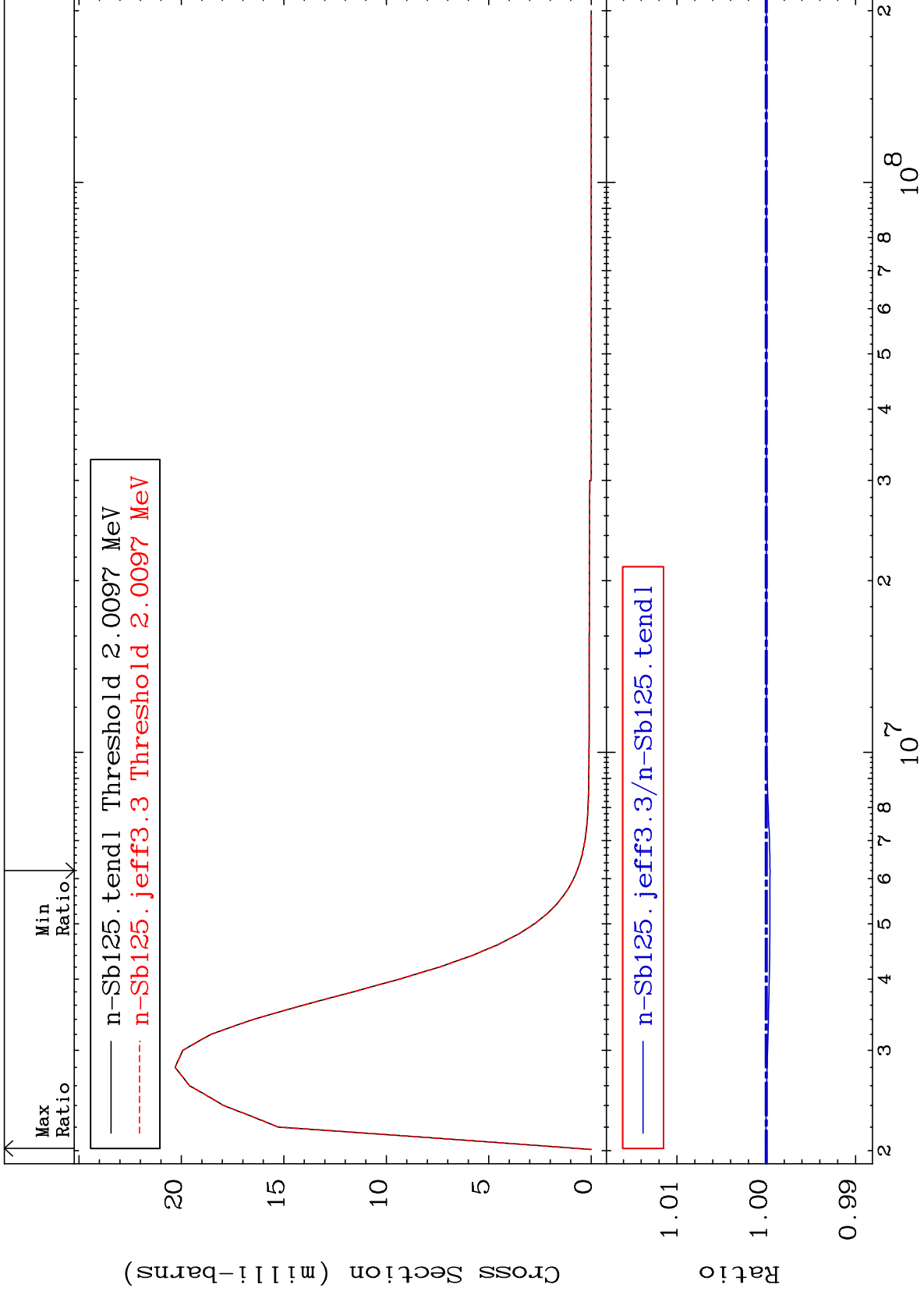
51-Sb-125
-0.033 To 0.002 %



MAT 5137

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

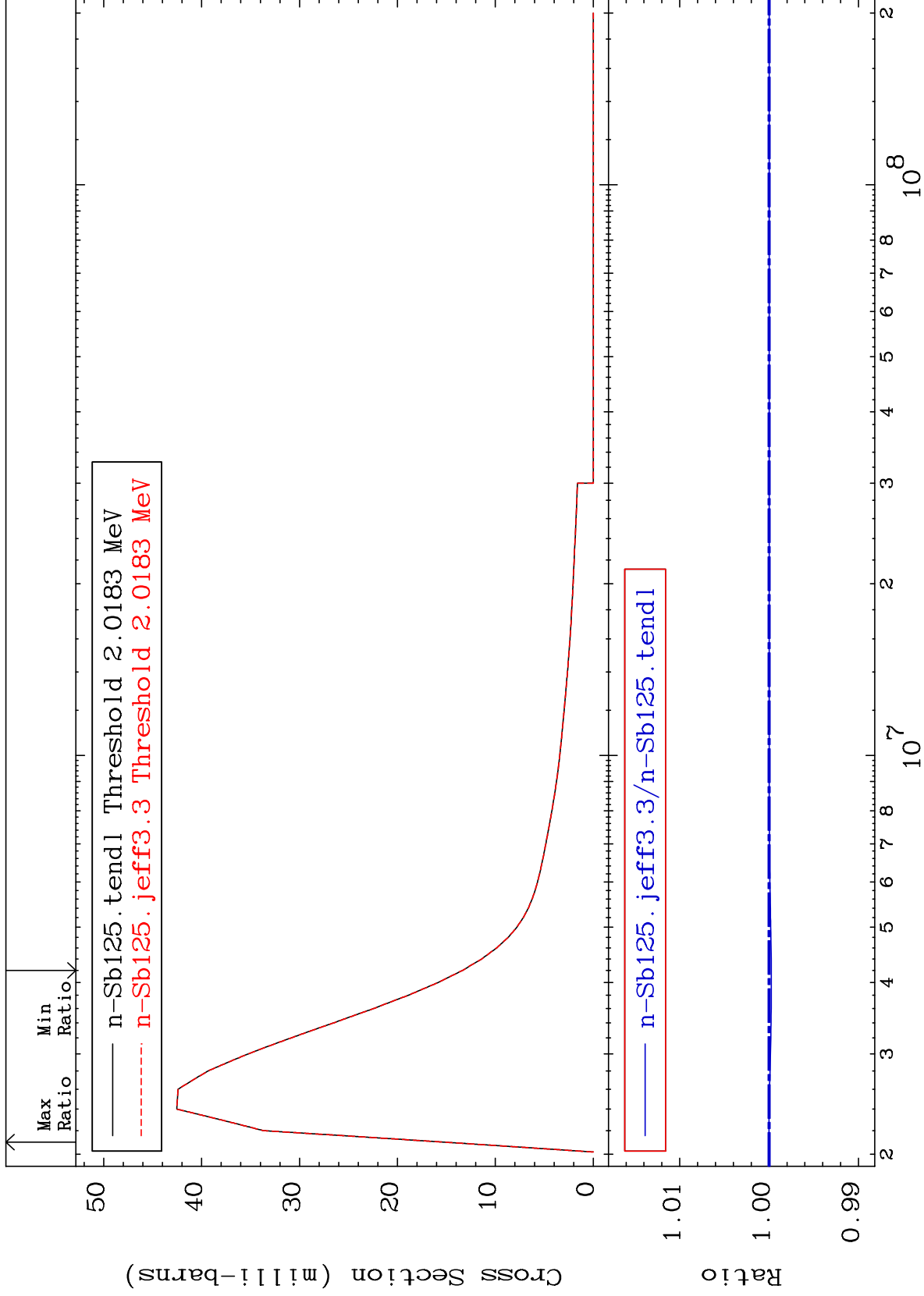
51-Sb-125
-0.042 To 0.005 %



MAT 5137

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

51-Sb-125
-0.025 To 0.002 %



40

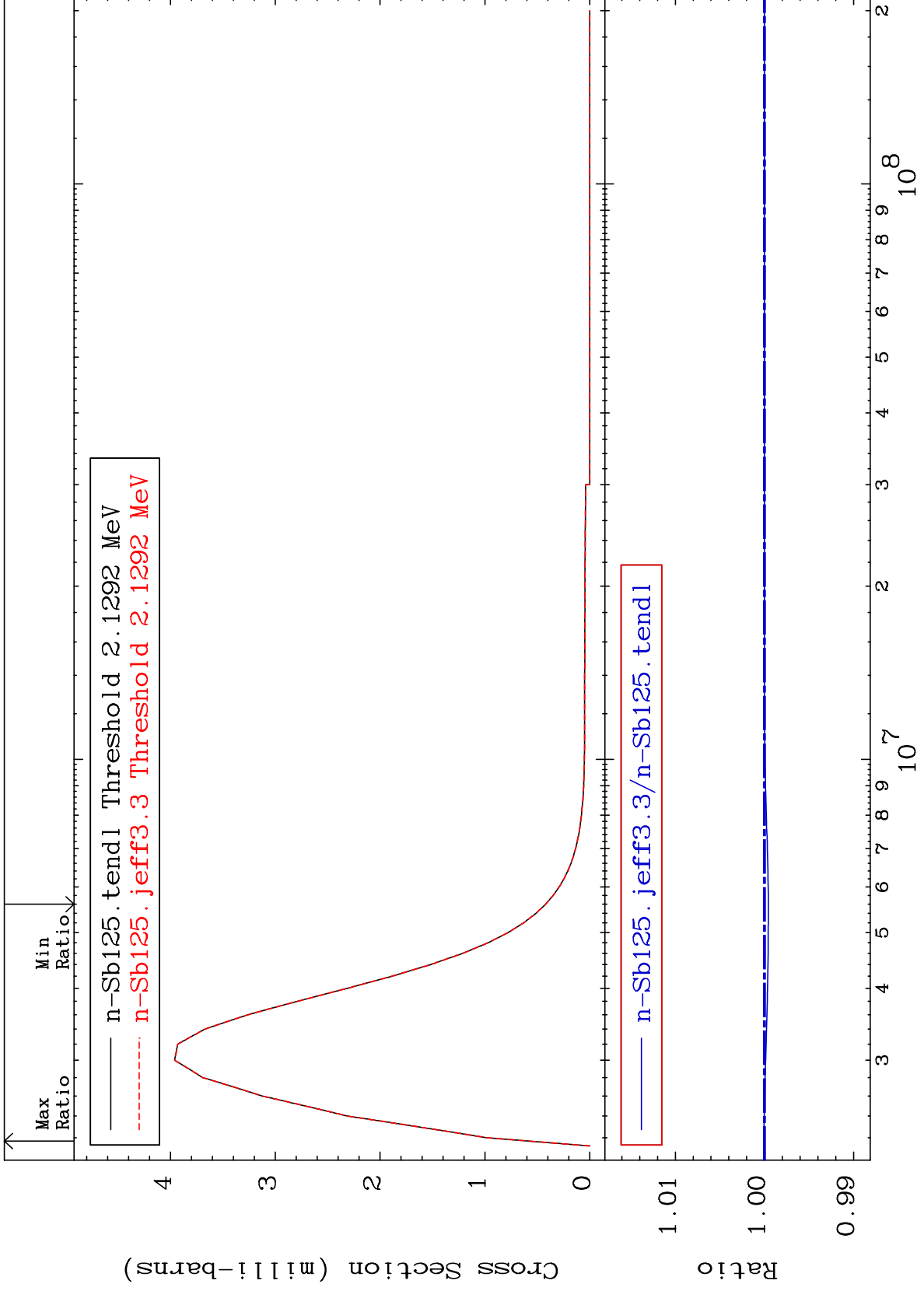
Incident Energy (eV)

51-Sb-125

MAT 5137

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

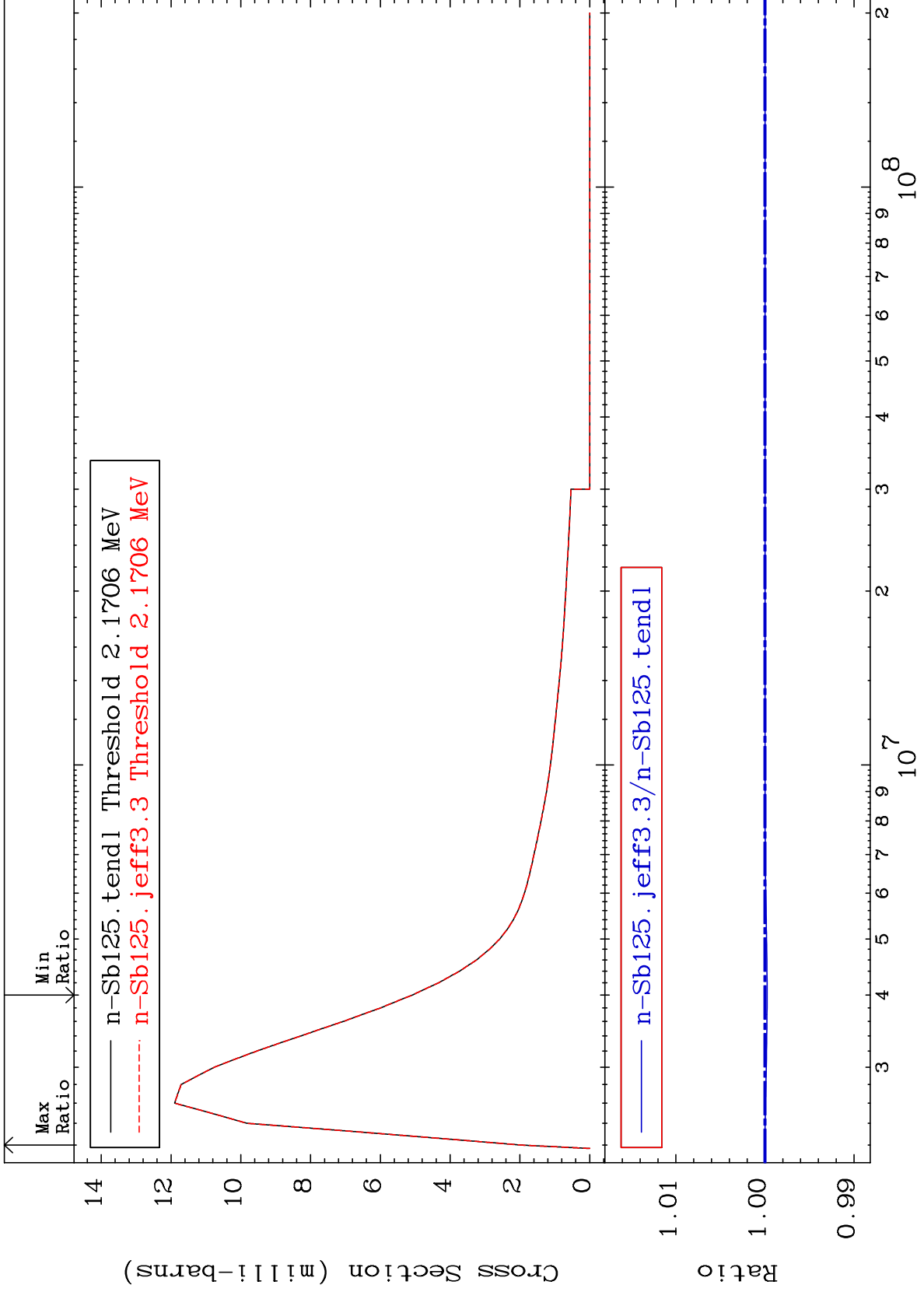
51-Sb-125
-0.043 To 0.009 %



MAT 5137

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

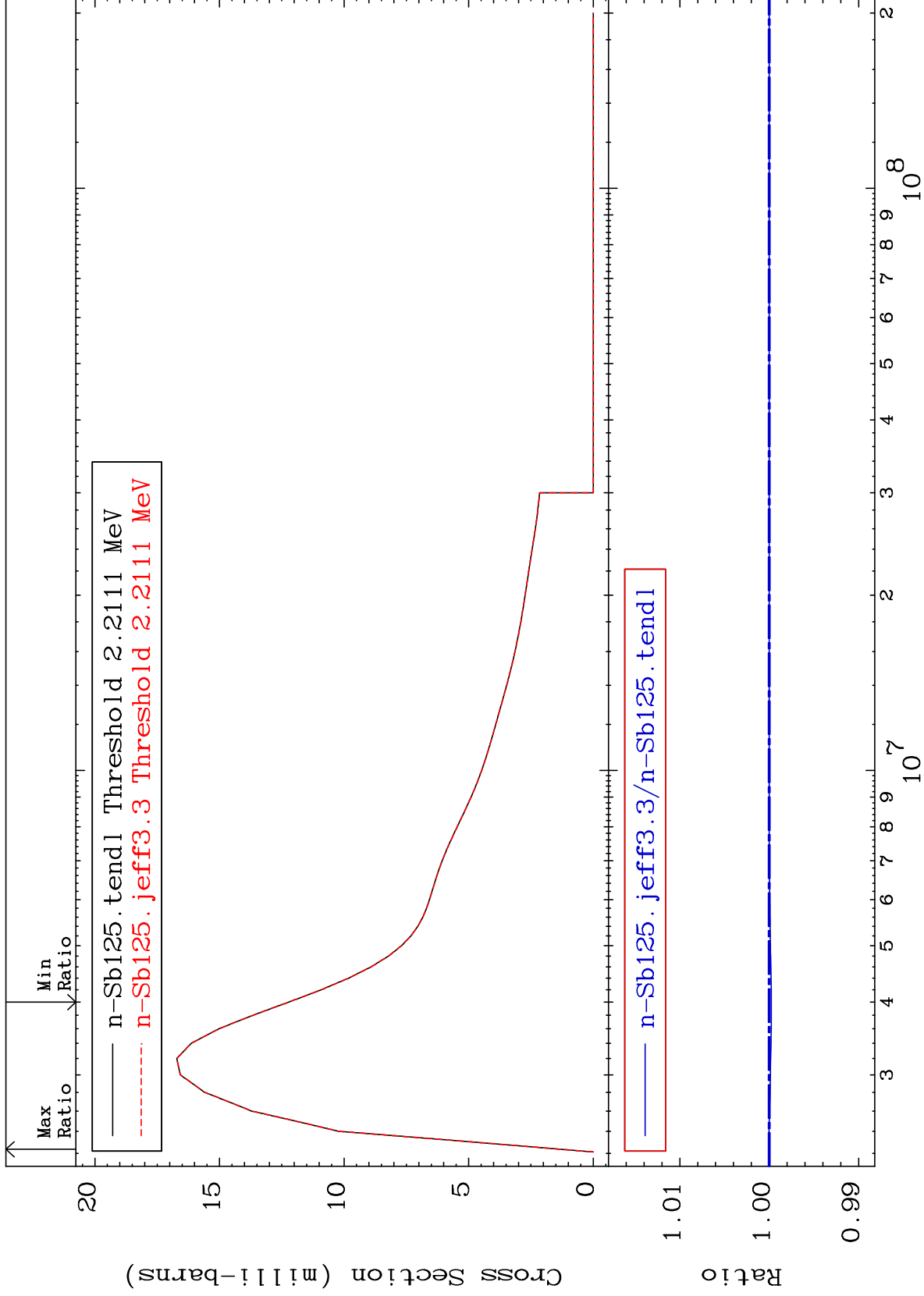
51-Sb-125
-0.024 To 0.000 %



MAT 5137

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

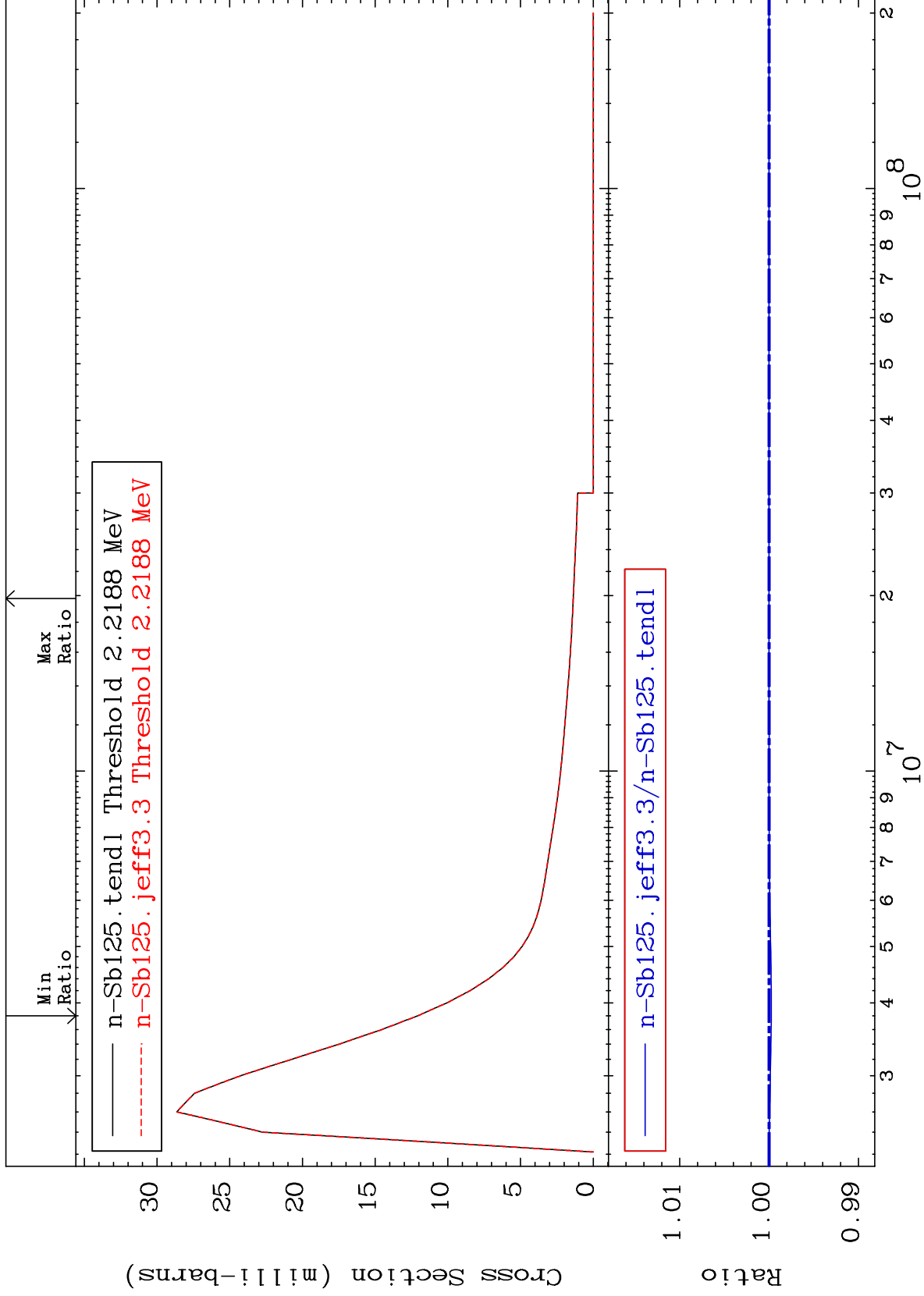
51-Sb-125
-0.023 To 0.002 %



MAT 5137

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

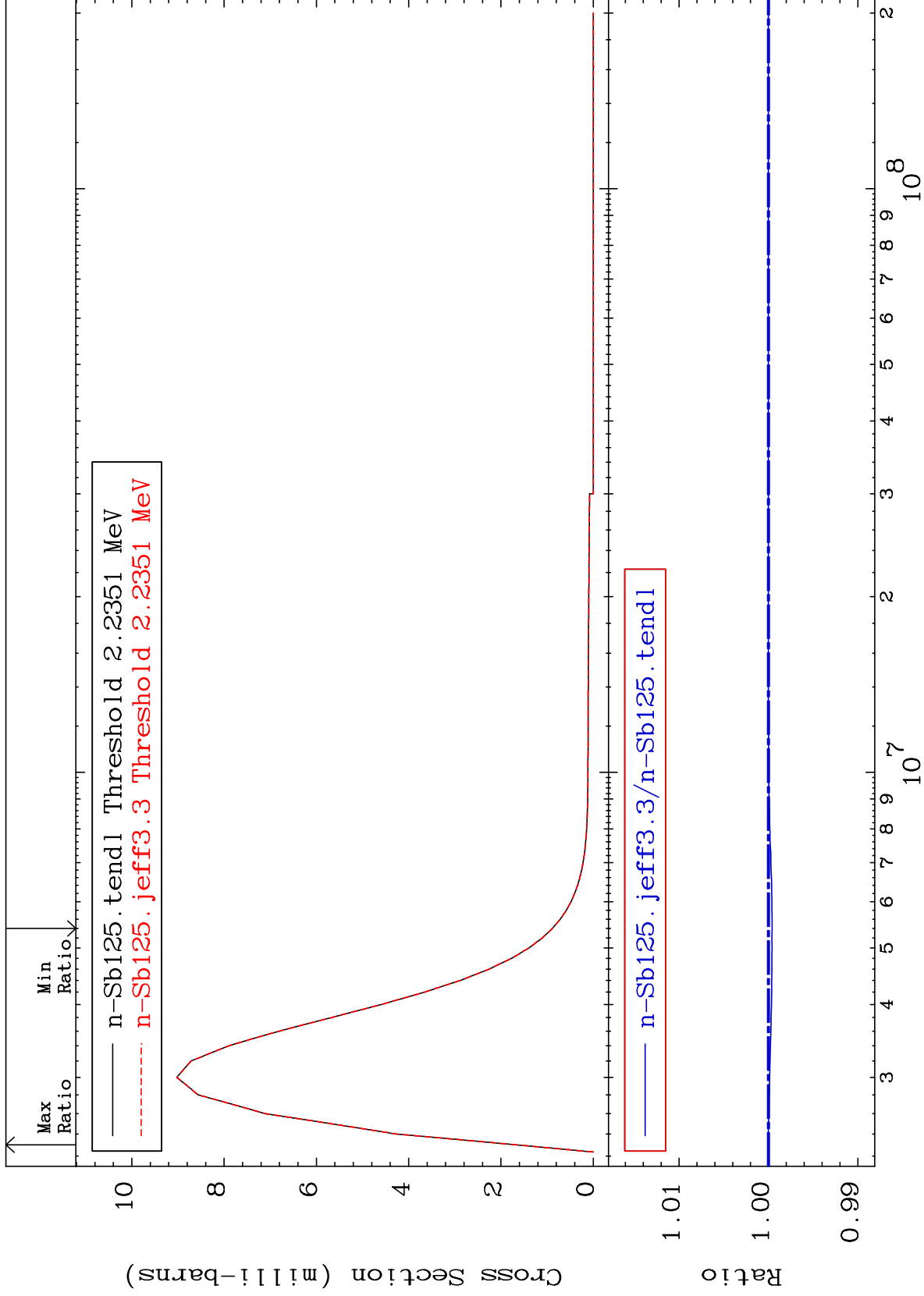
51-Sb-125
-0.025 To 0.000 %



MAT 5137

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

51-Sb-125
-0.041 To 0.002 %



45

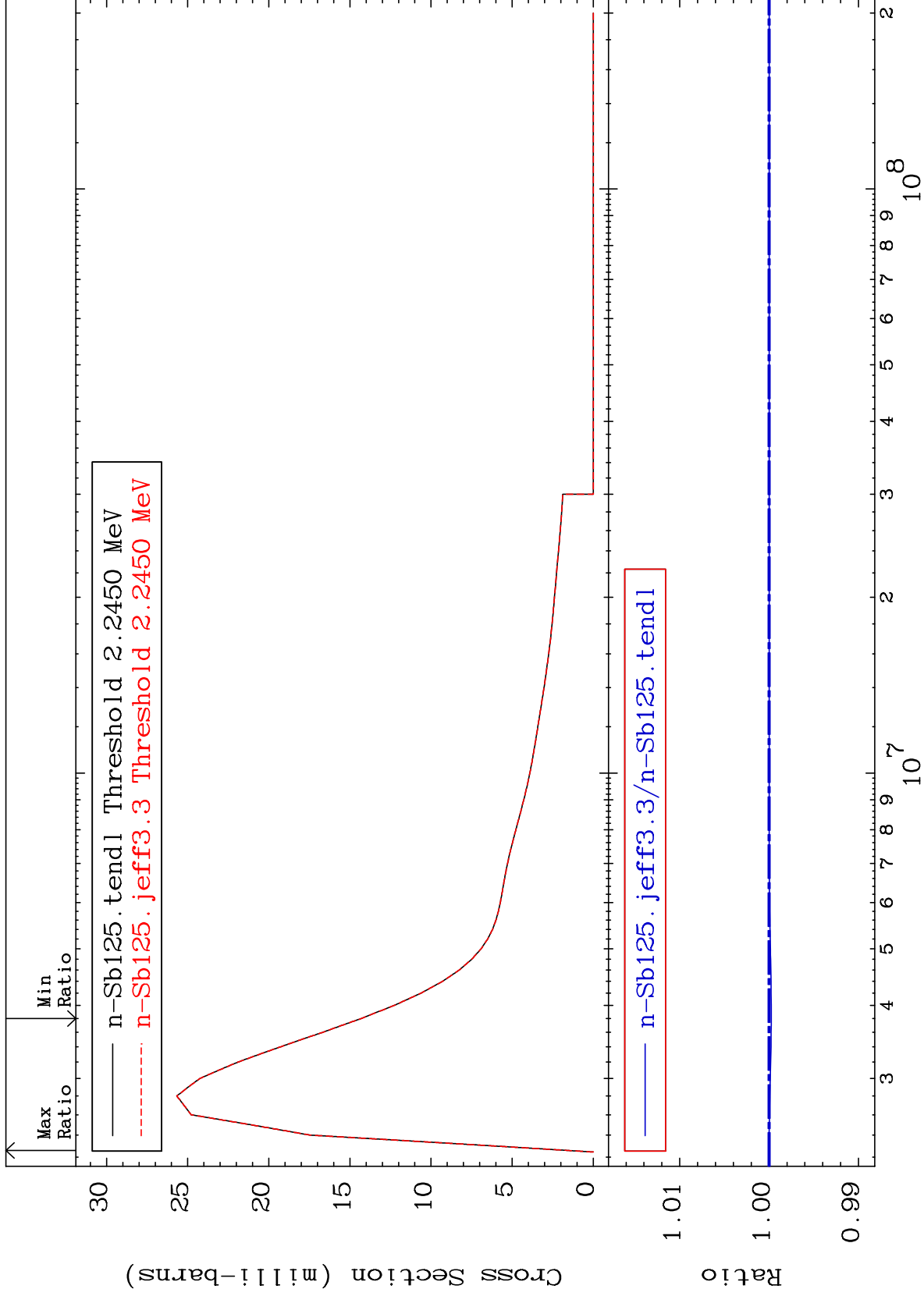
Incident Energy (eV)

51-Sb-125

MAT 5137

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

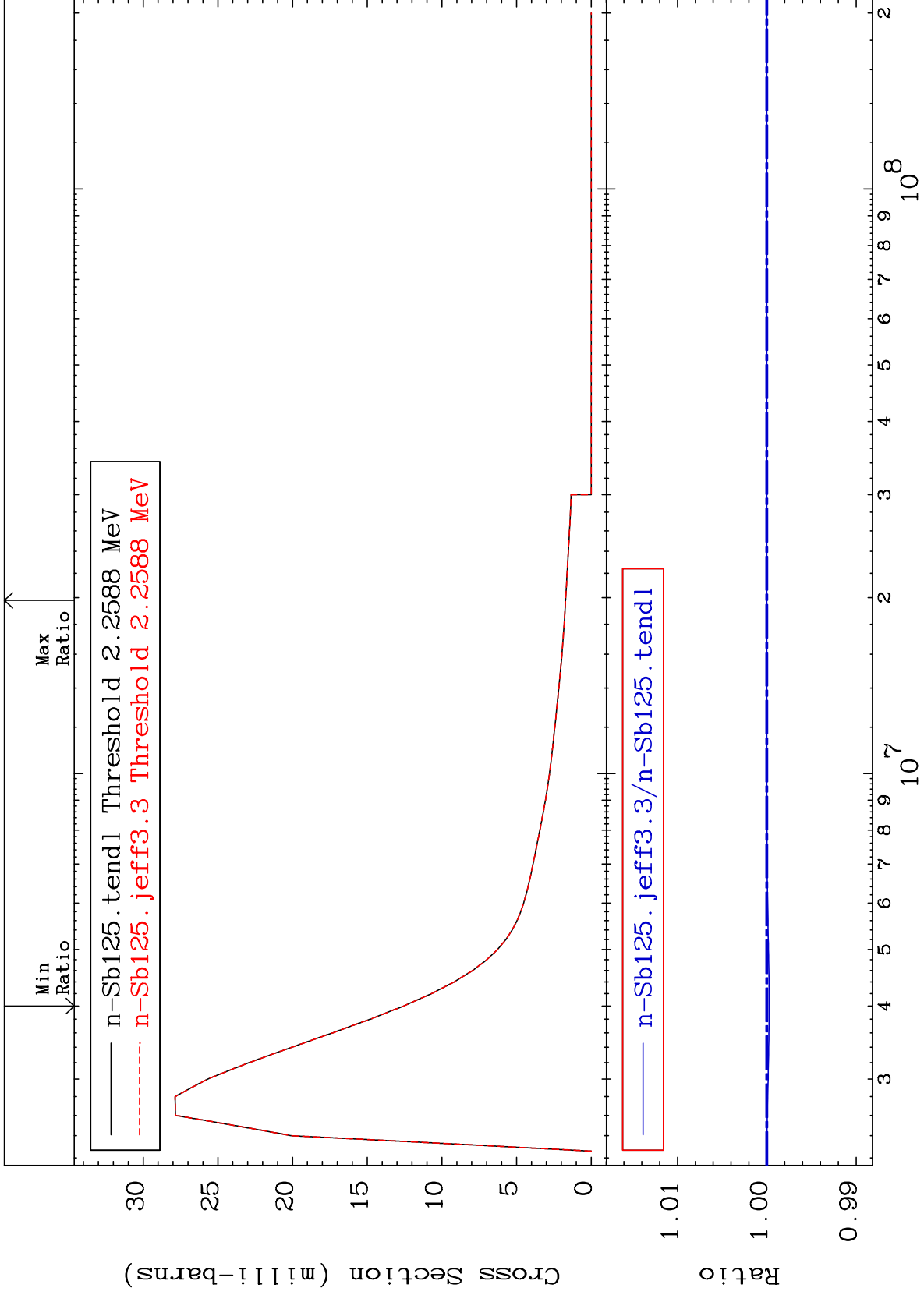
51-Sb-125
-0.024 To 0.000 %

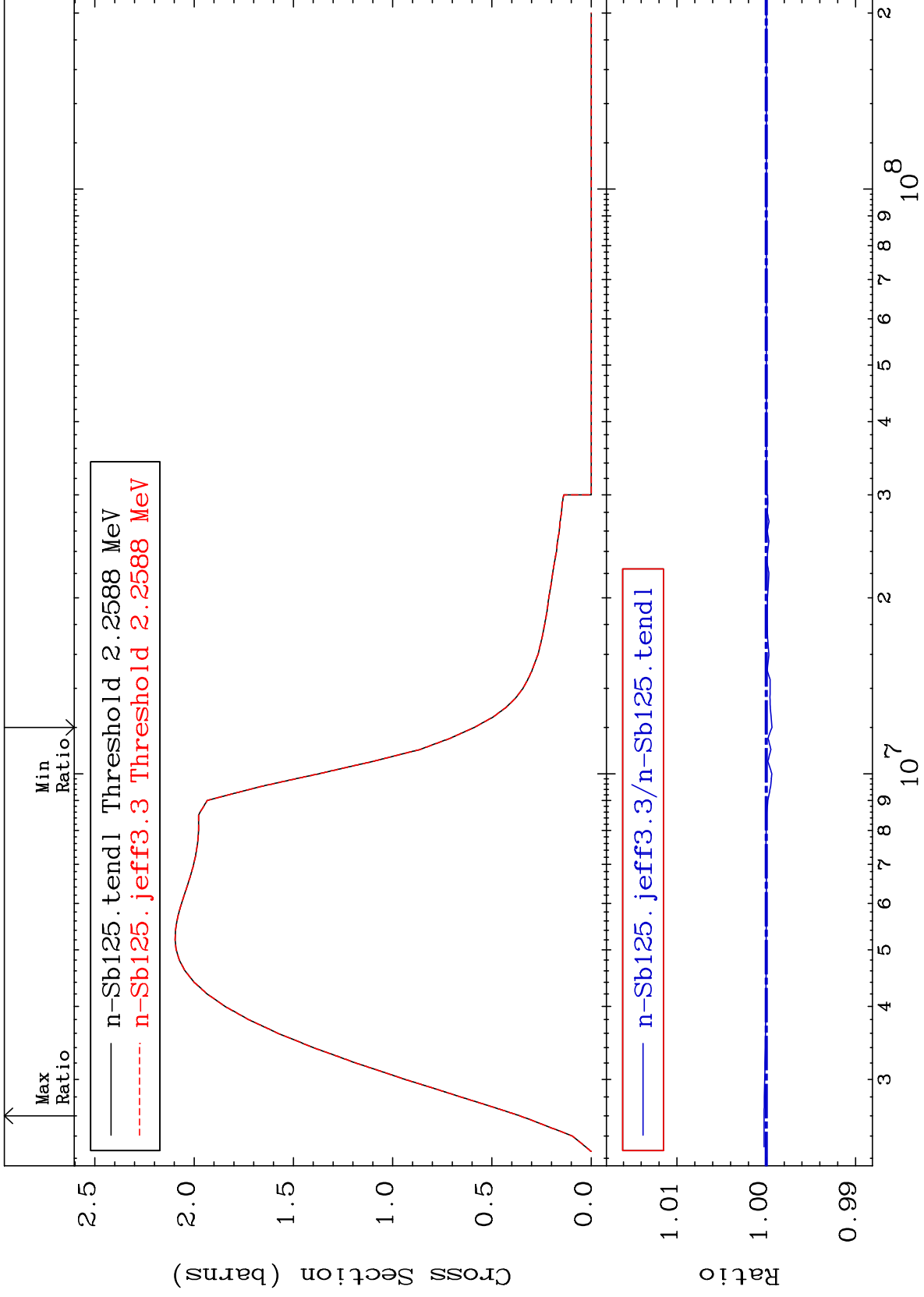


MAT 5137

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

51-Sb-125
-0.025 To 0.000 %

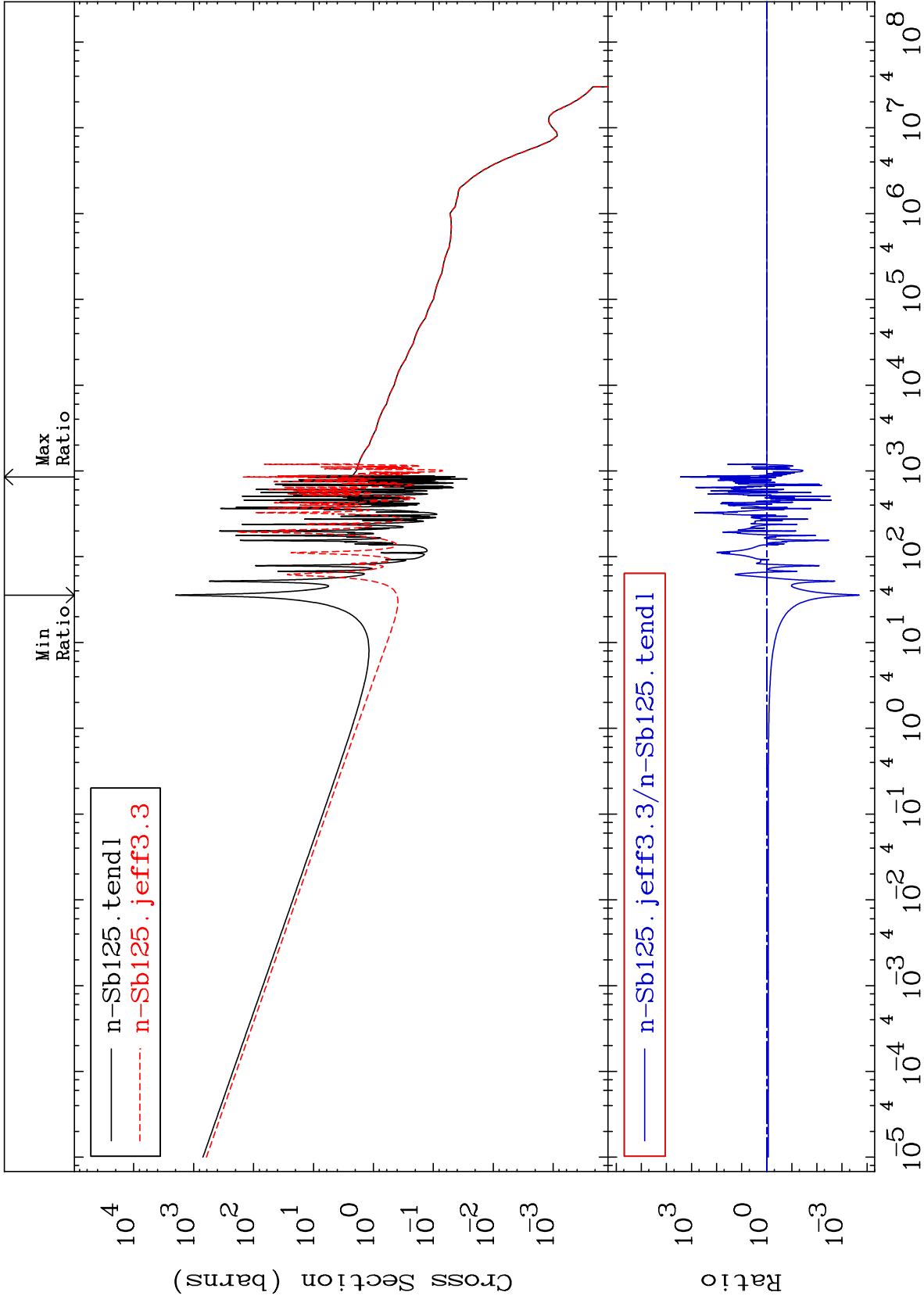




MAT 5137

(n, γ)
Cross Section

51-Sb-125
-99.98 To 9999. %



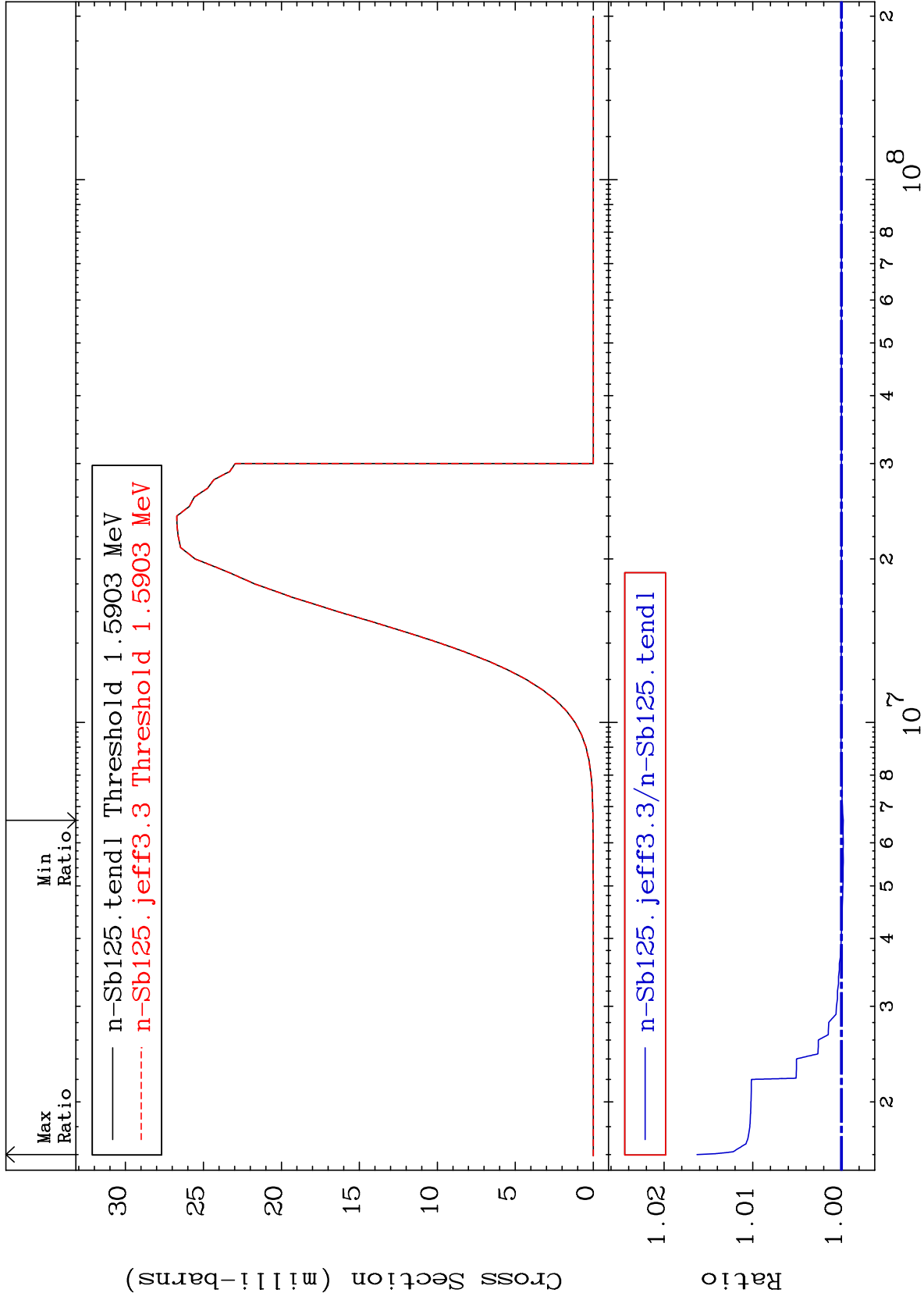
MAT 5137

(n,p)

51-Sb-125

Cross Section

-0.021 To 1.629 %



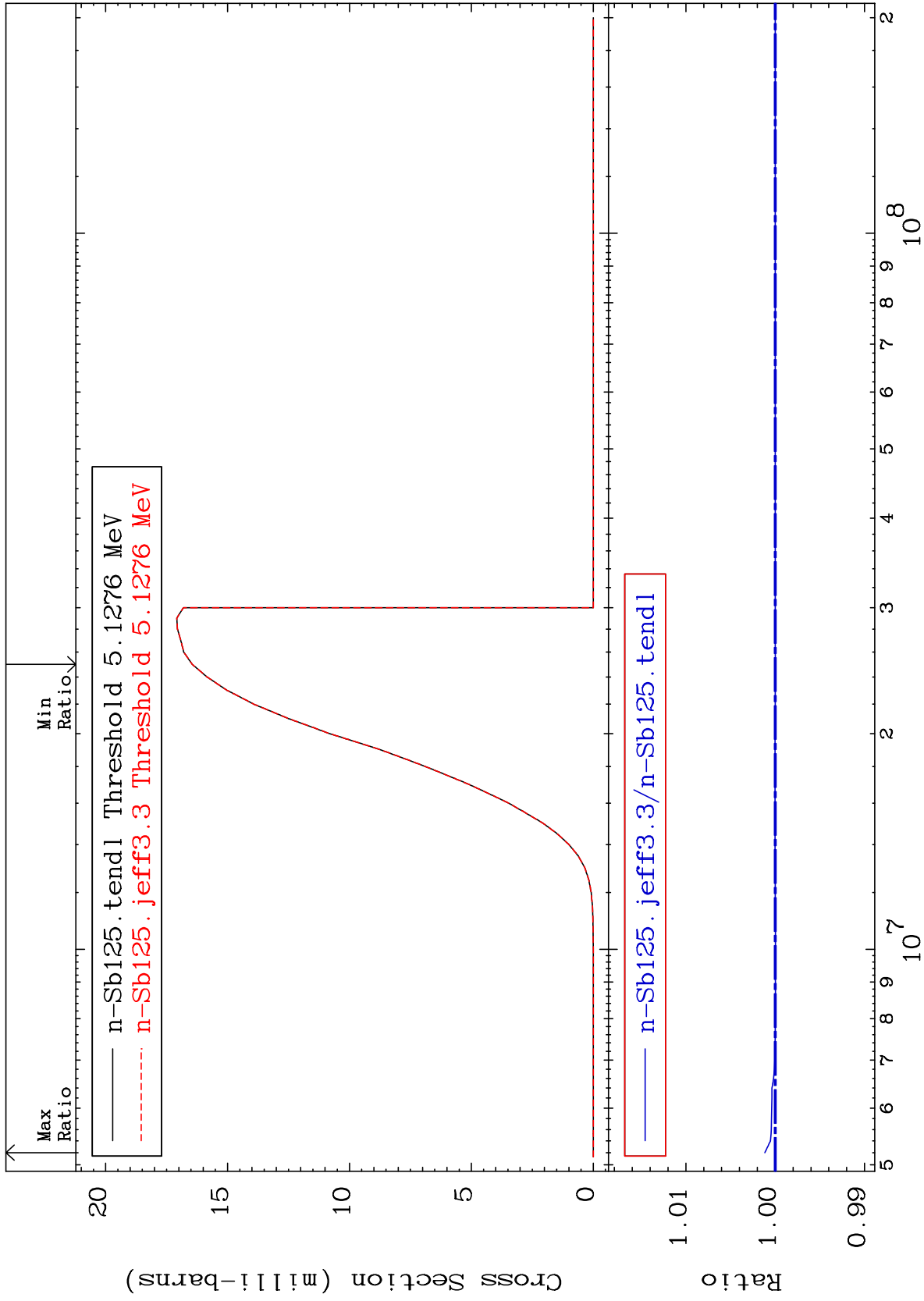
MAT 5137

(n, d)

51-Sb-125

Cross Section

-0.002 To 0.116 %



51

Incident Energy (eV)

51-Sb-125

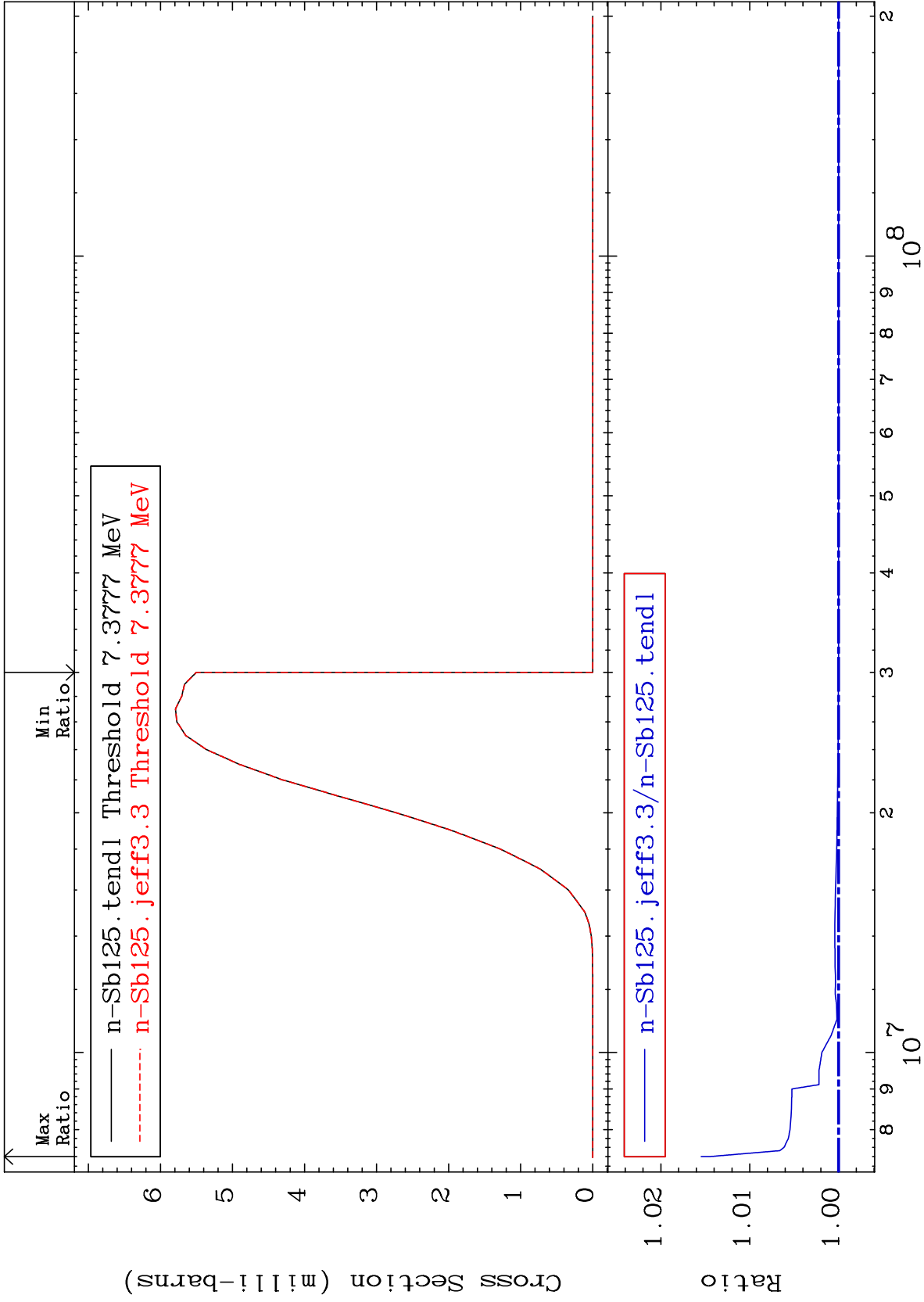
MAT 5137

51-Sb-125

(n, t)

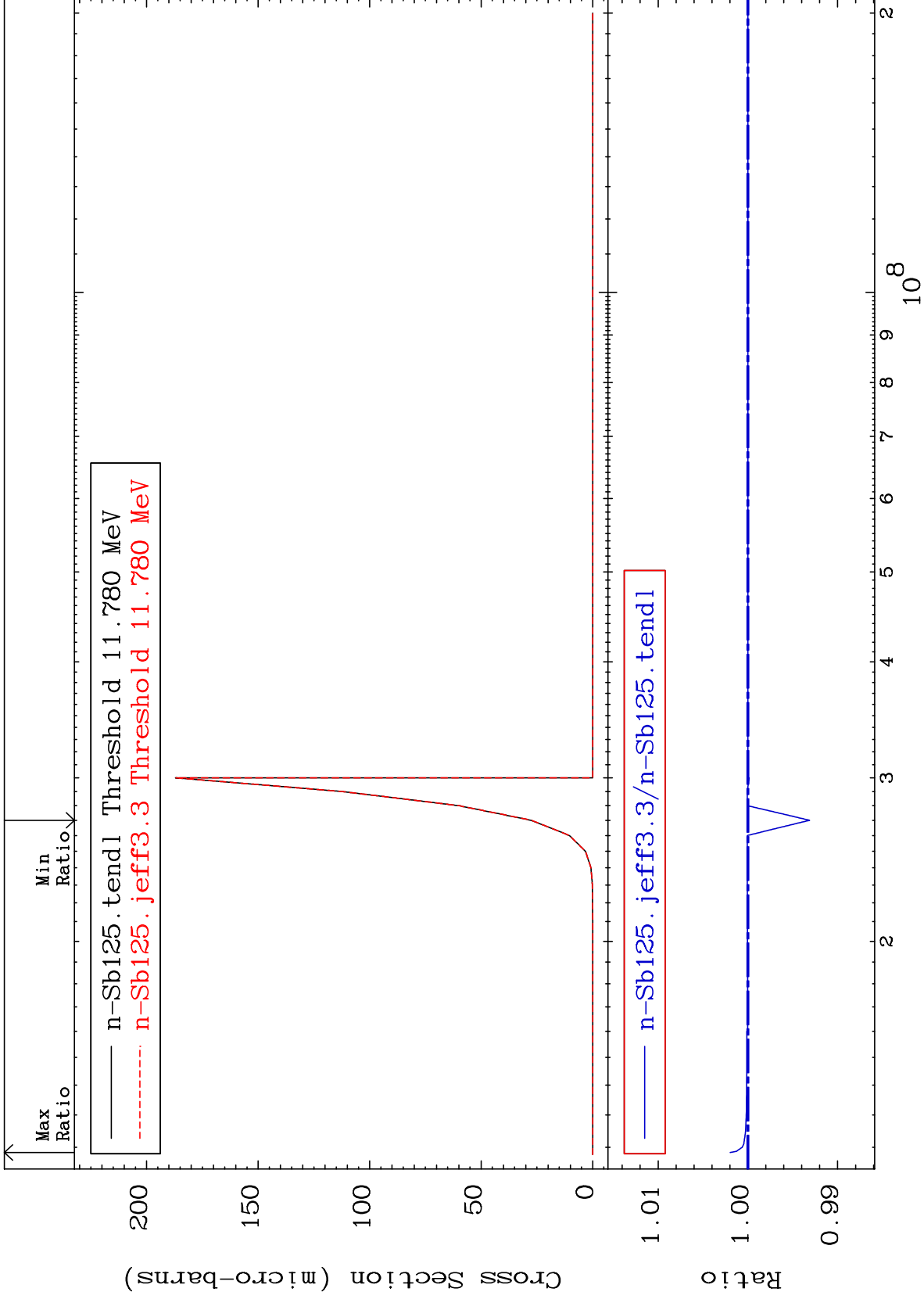
Cross Section

0.000 To 1.545 %



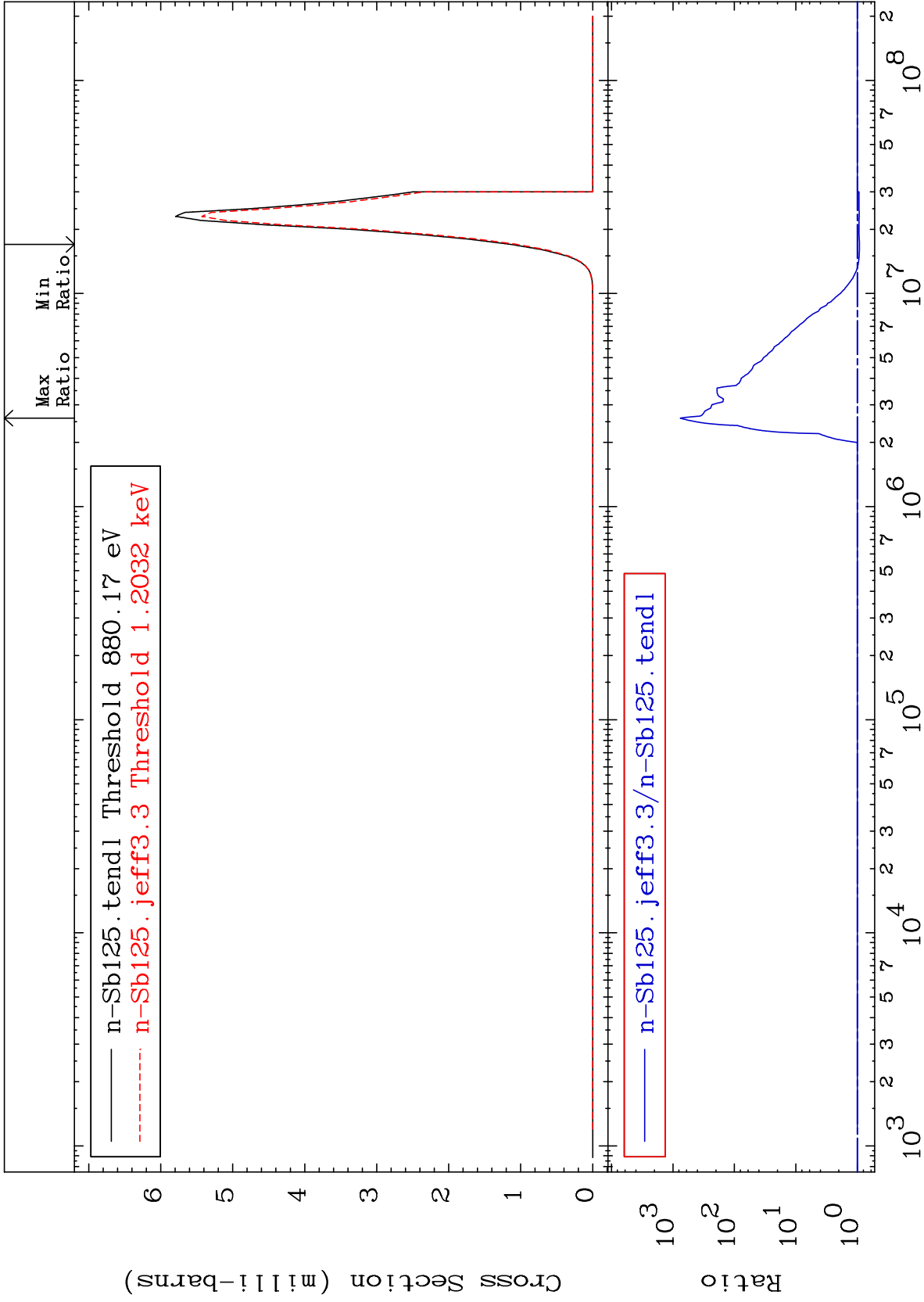
Cross Section

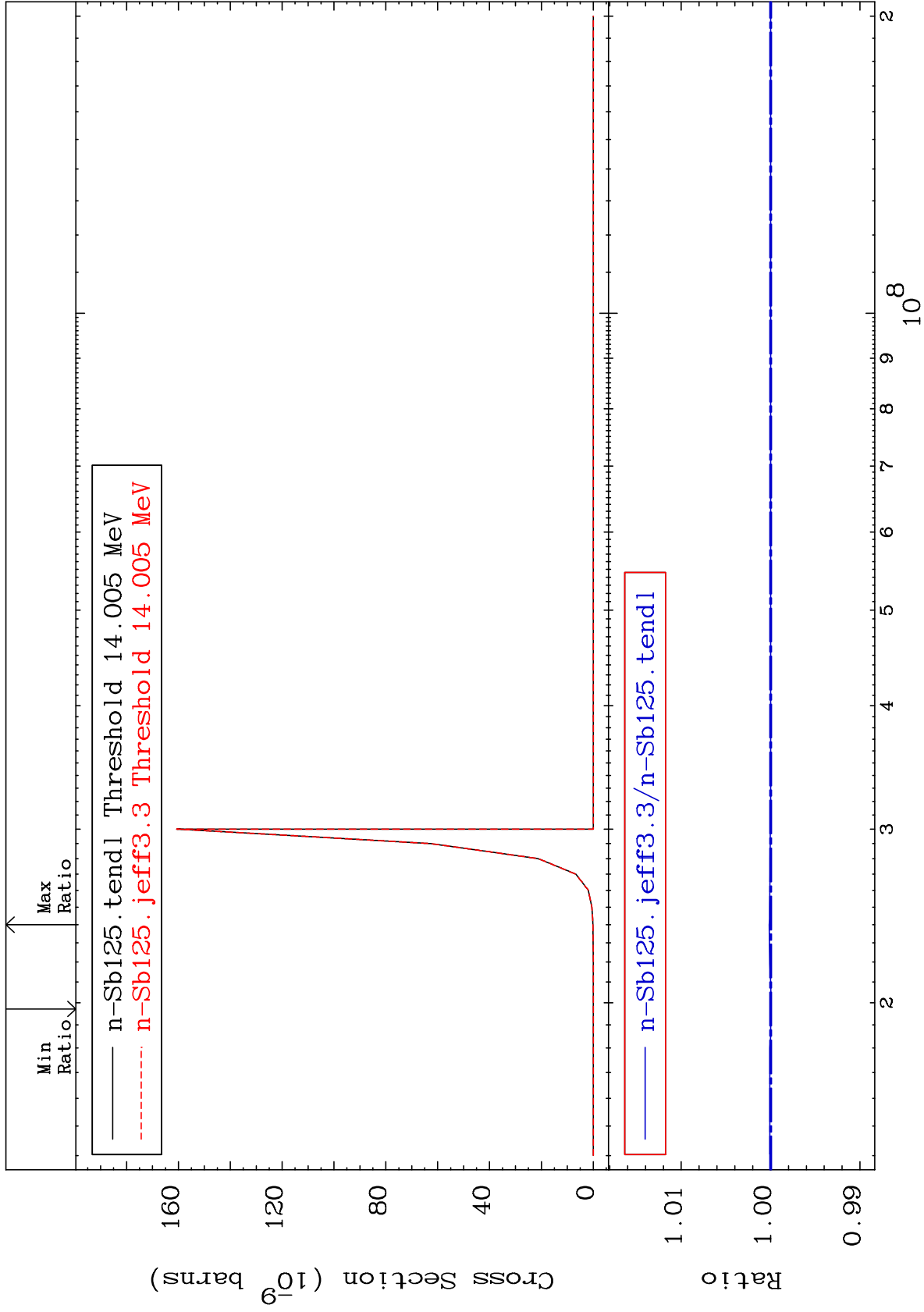
-0.688 To 0.197 %



Cross Section

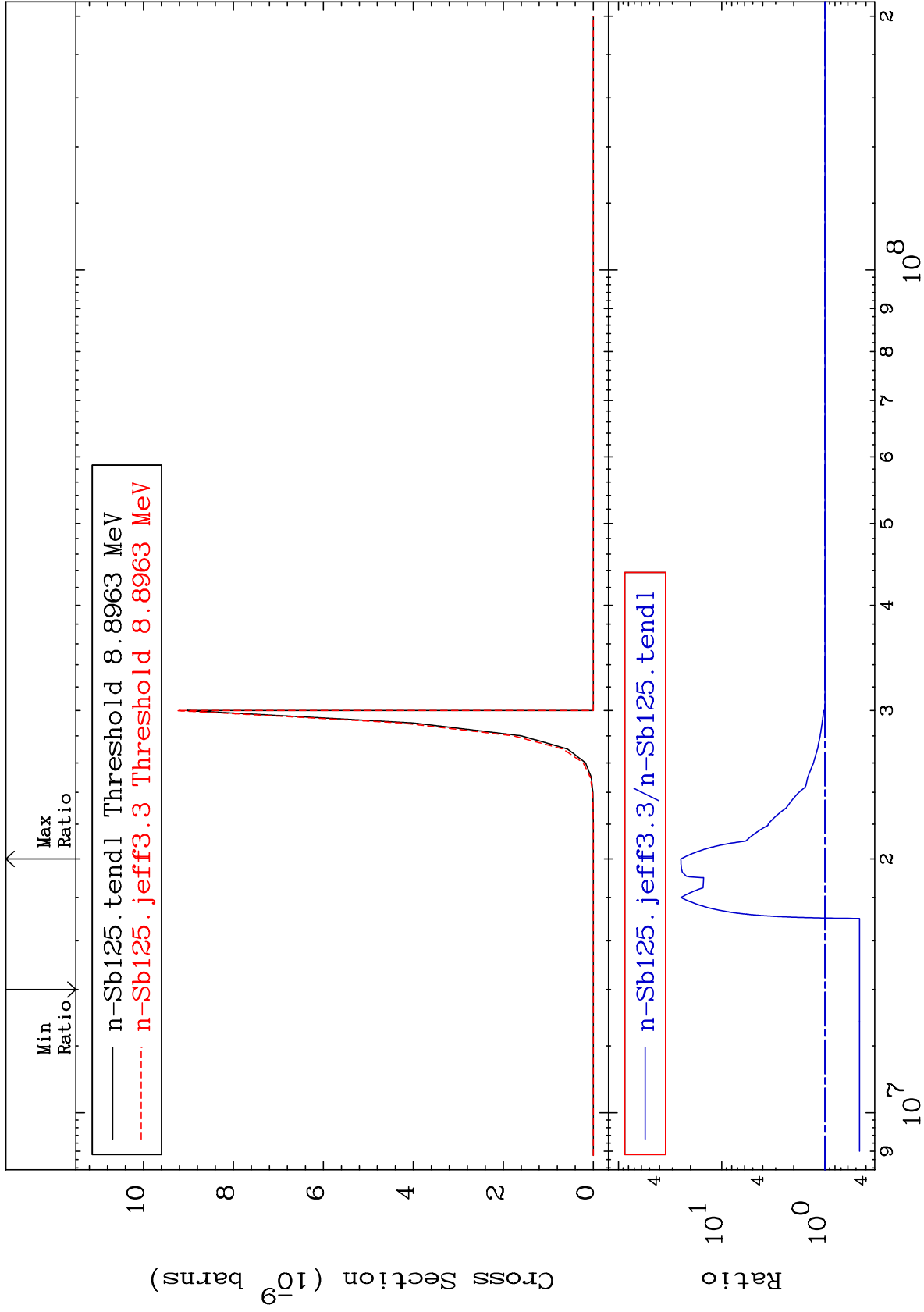
-7.410 To 9999. %

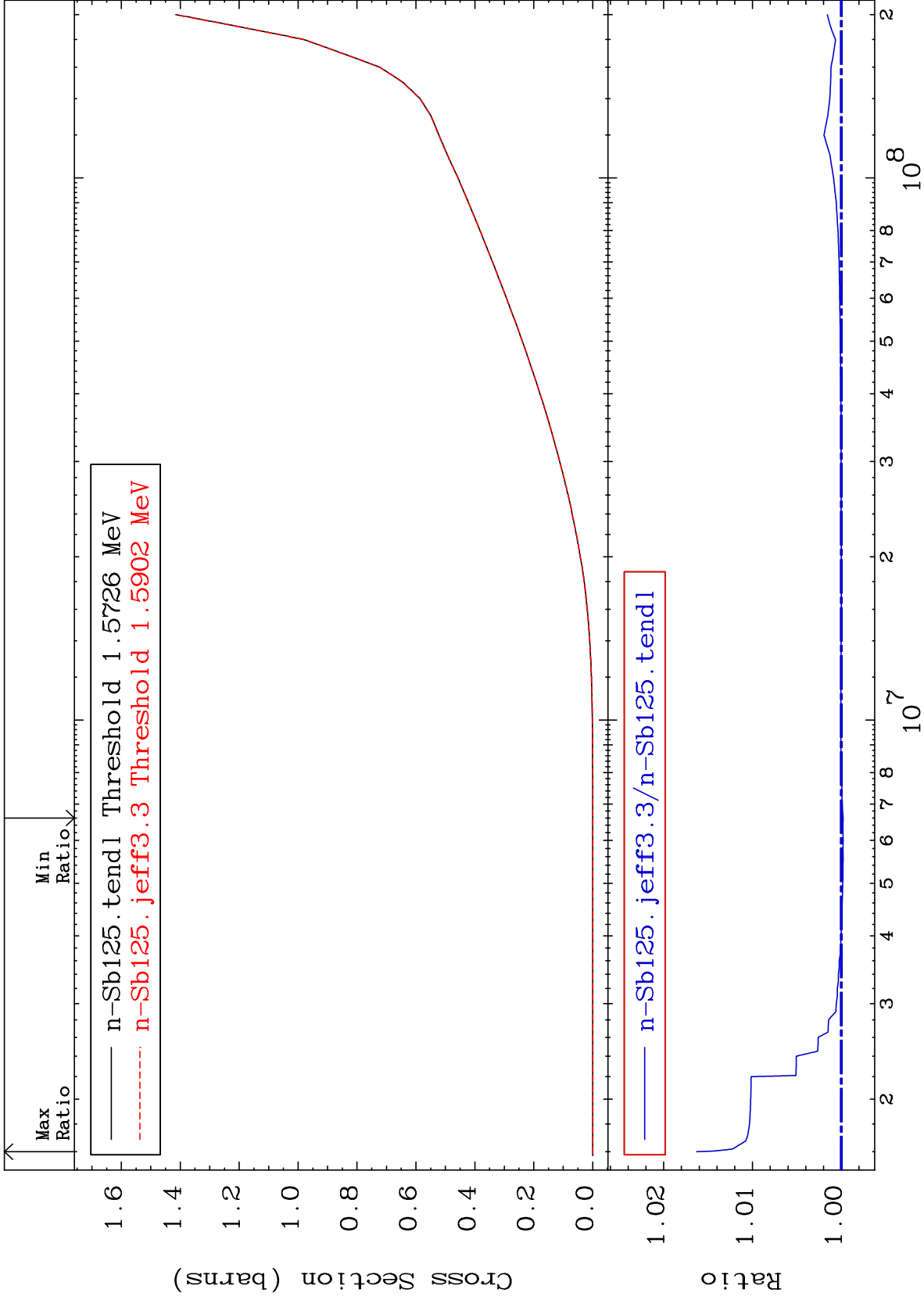


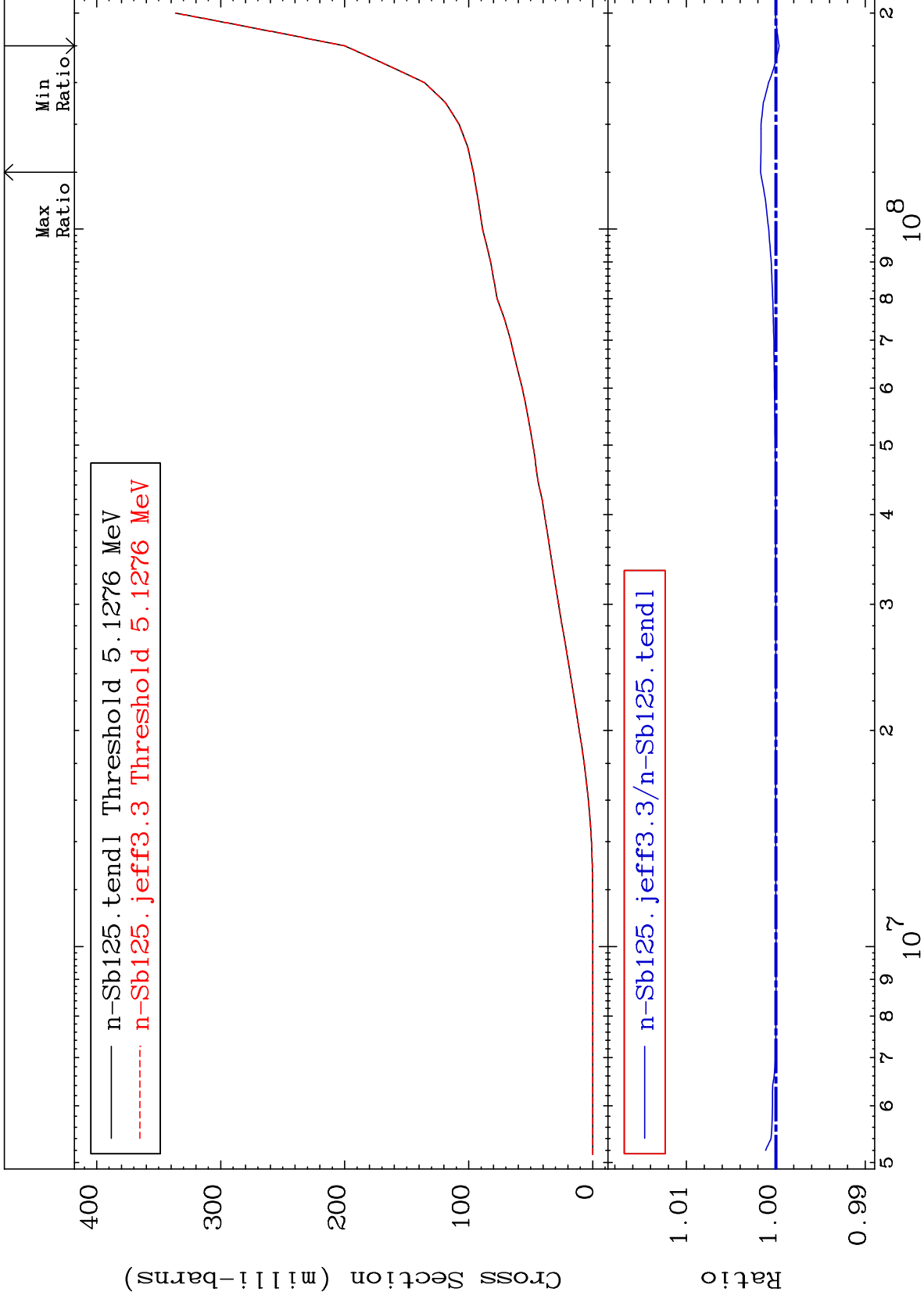


Cross Section

-53.77 To 2388. %



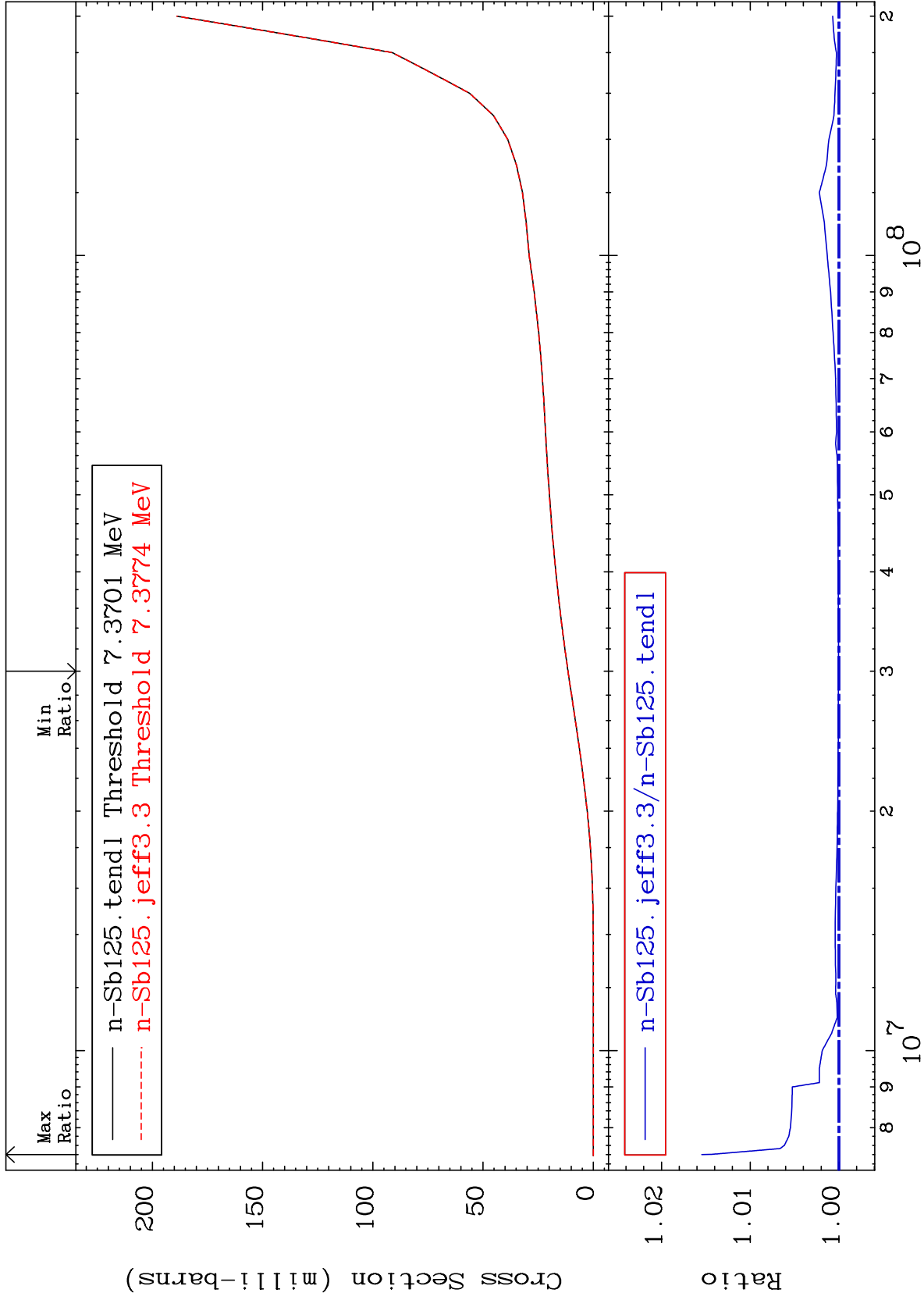




MAT 5137

Tritium Production
Cross Section

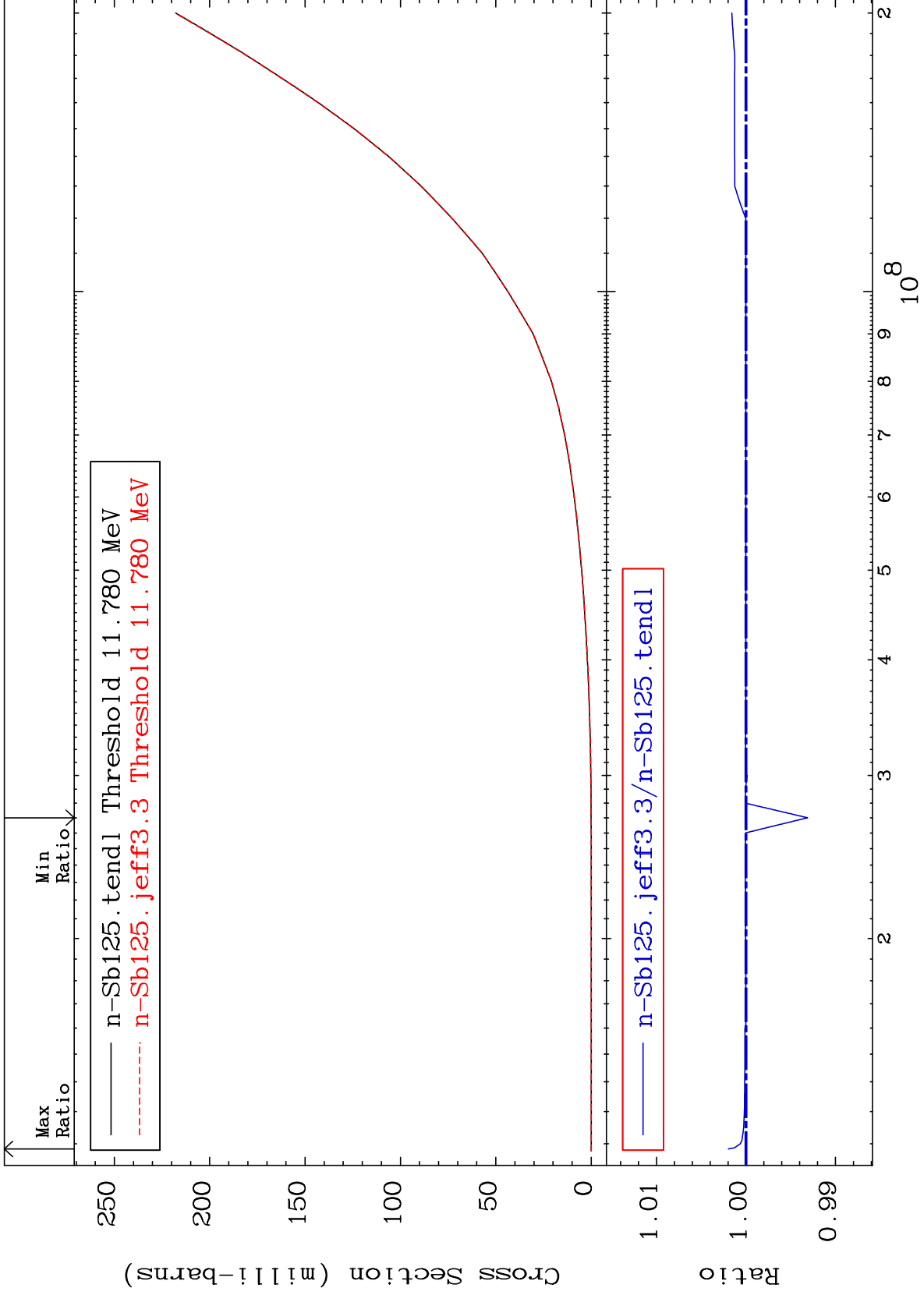
51-Sb-125
To 1.545 %



MAT 5137

He-3 Production
Cross Section

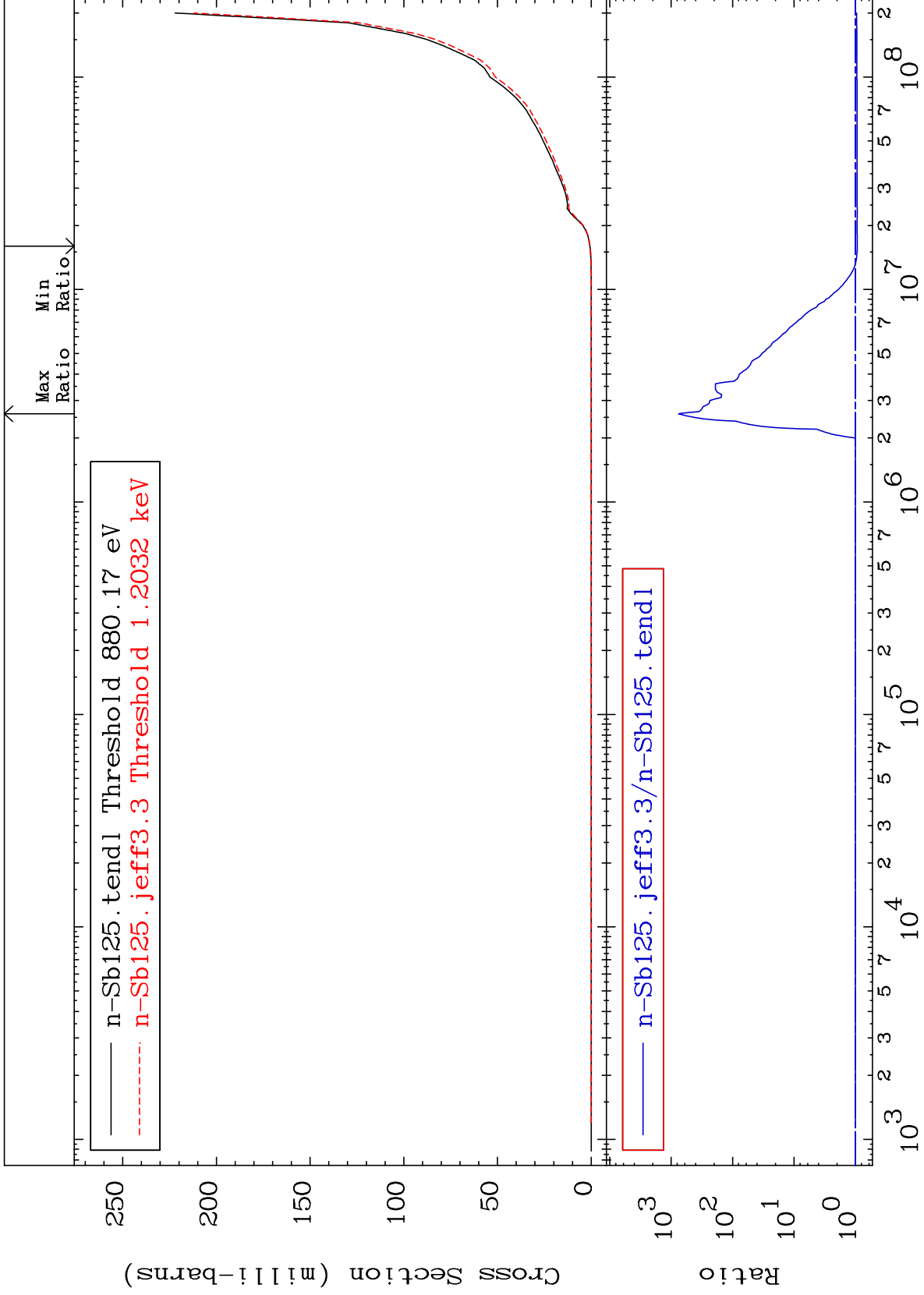
51-Sb-125
-0.688 To 0.197 %



MAT 5137

He-4 Production
Cross Section

51-Sb-125
-6.479 To 9999. %



61

Incident Energy (eV)

51-Sb-125

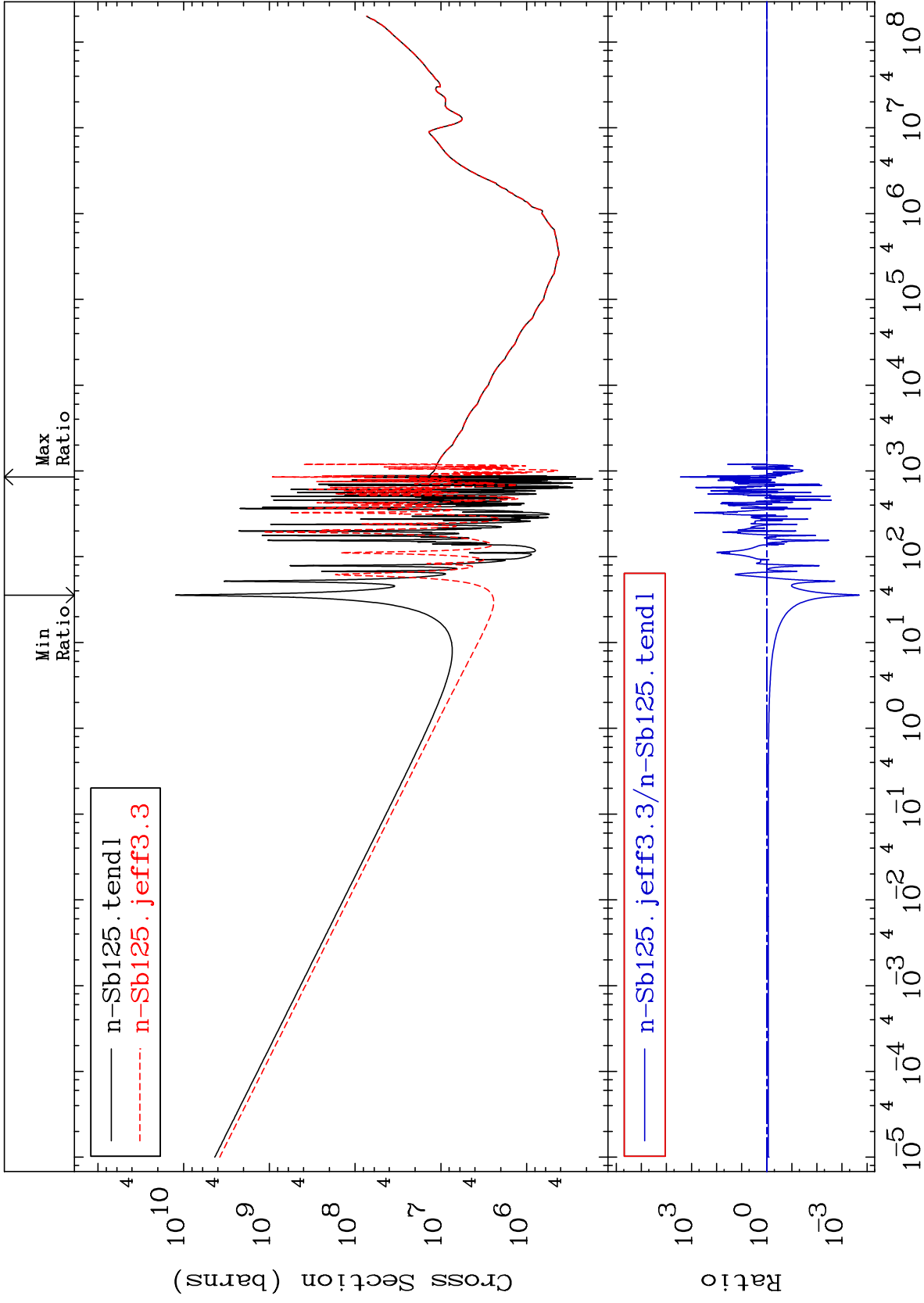
MAT 5137

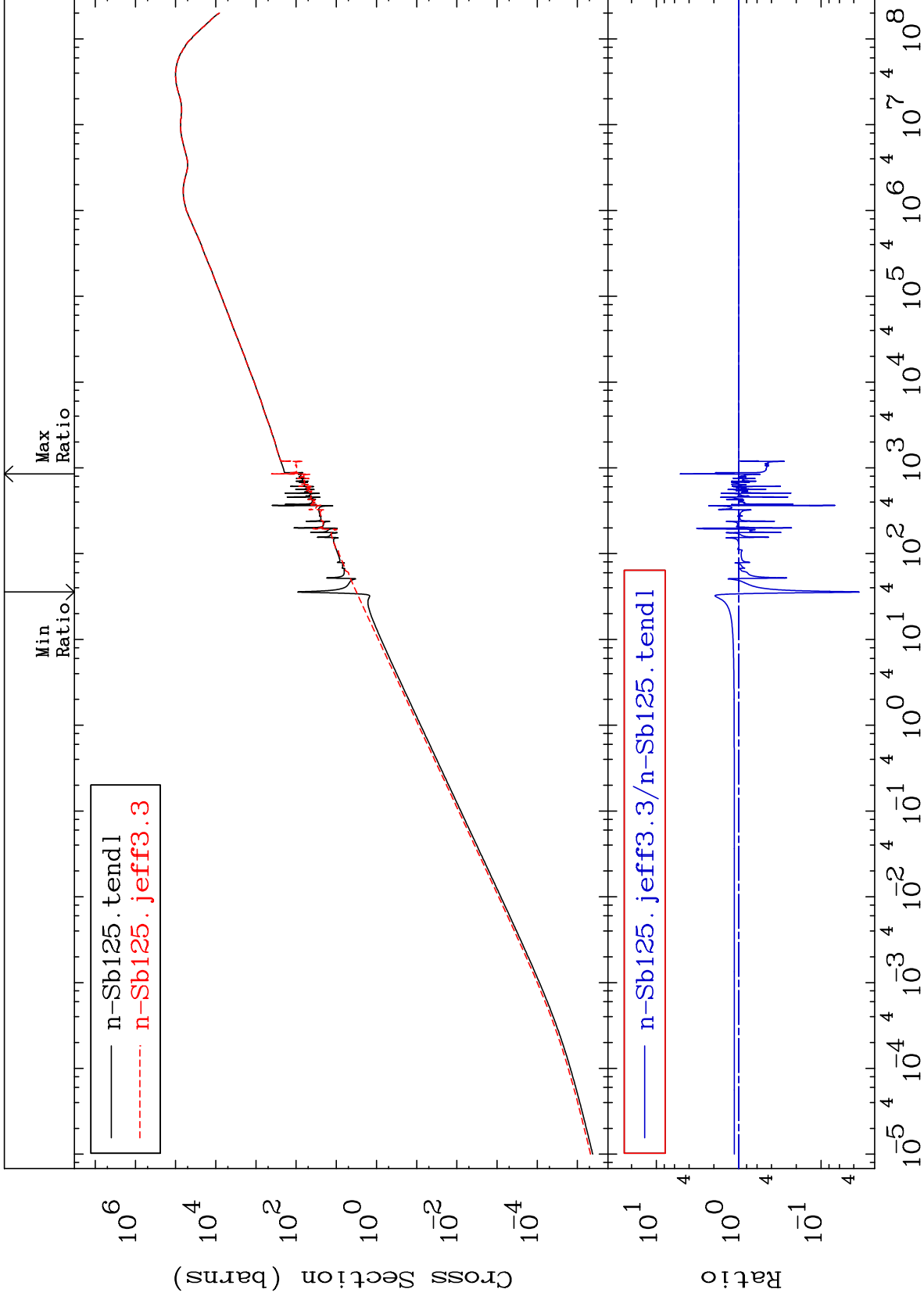
Kerma total (eV-barns)

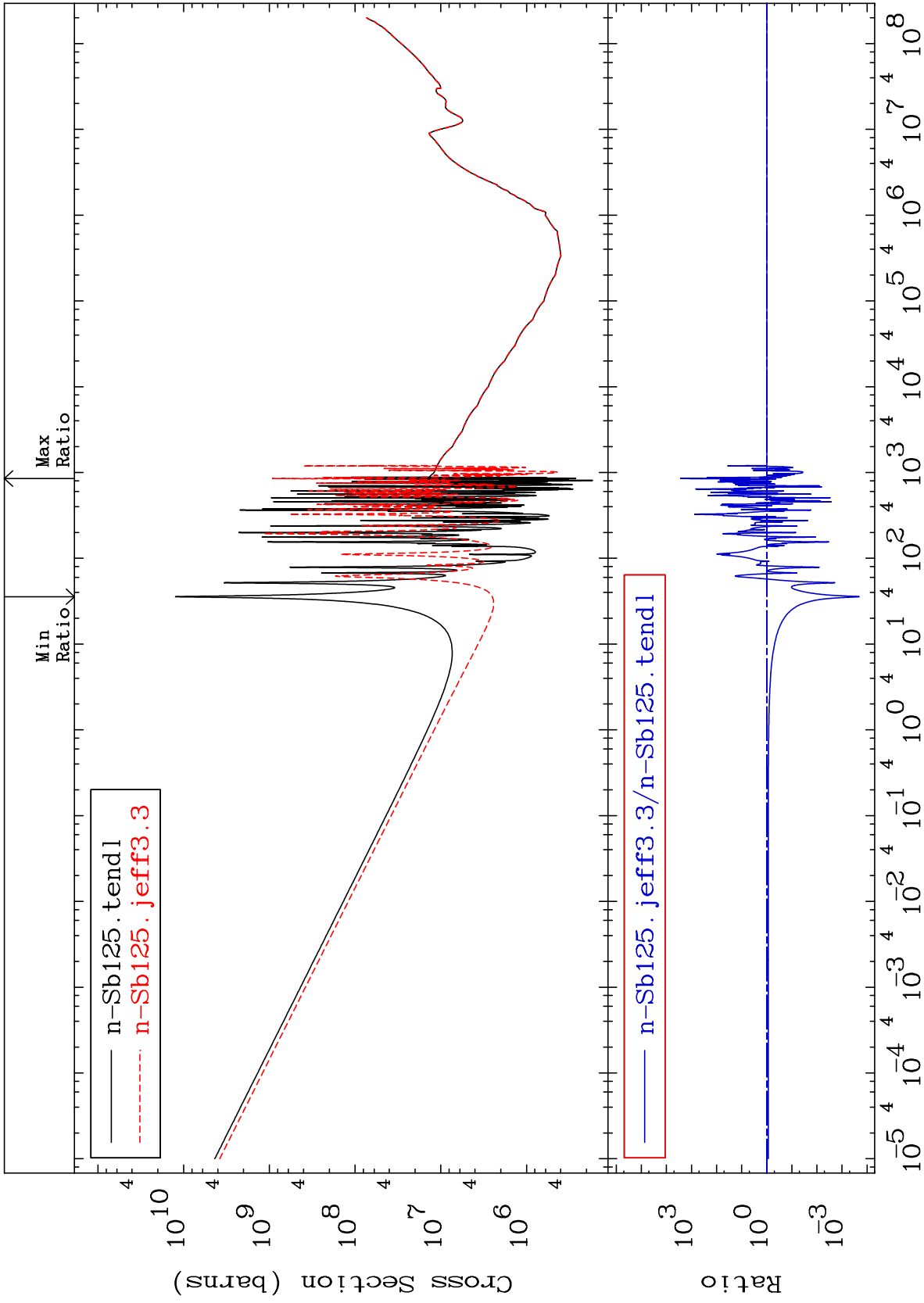
51-Sb-125

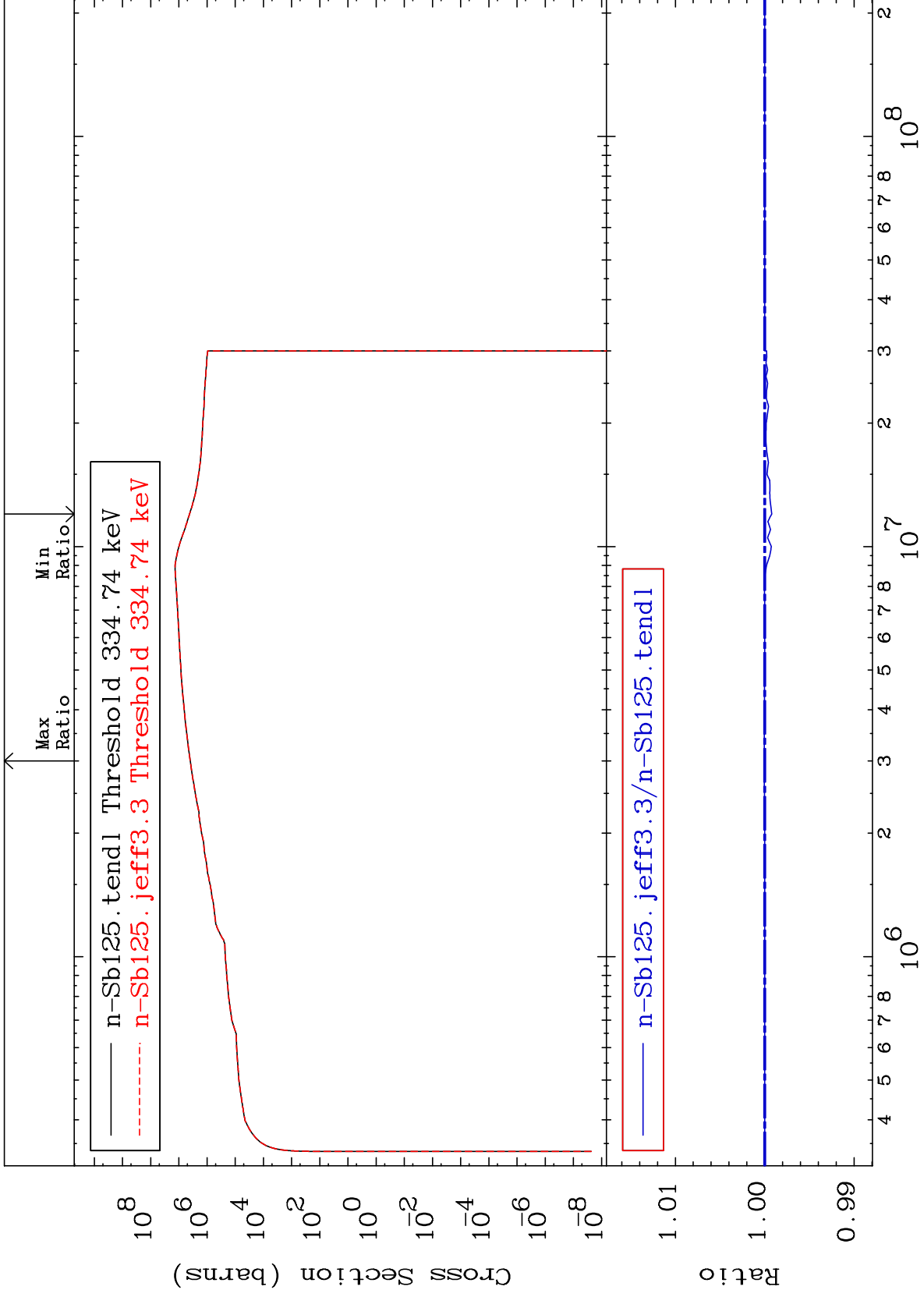
-99.98 To 9999. %

Cross Section





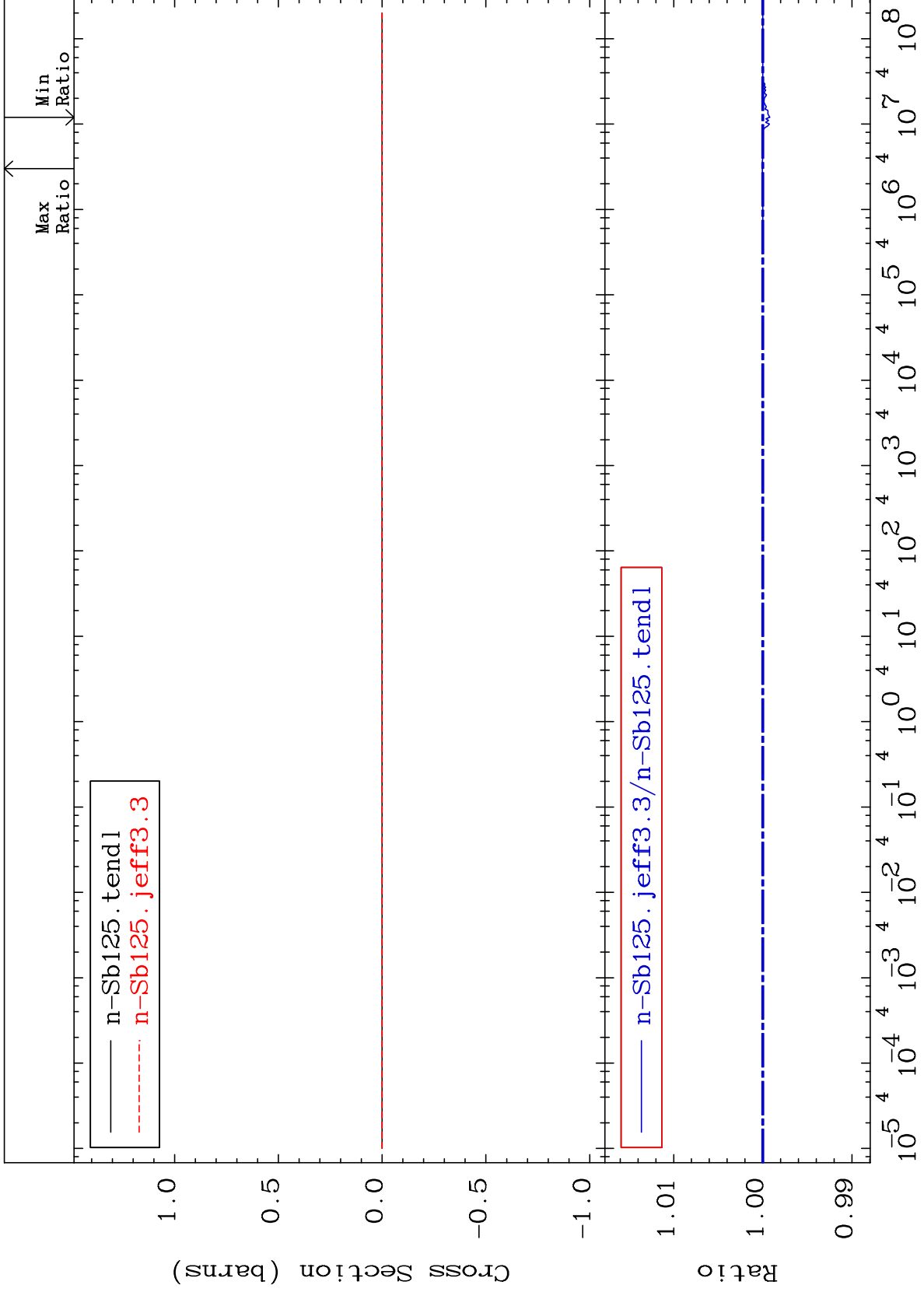




MAT 5137

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

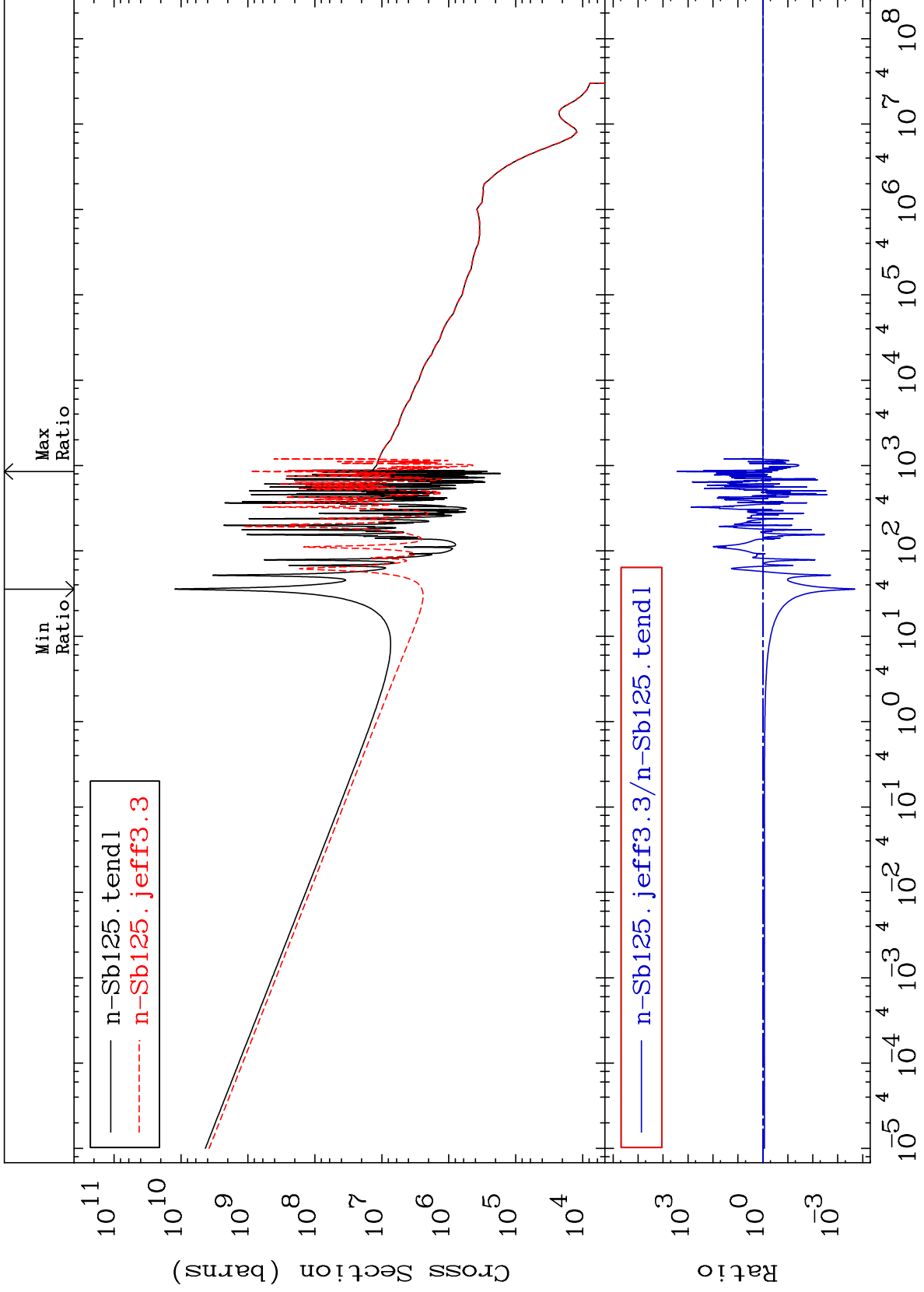
51-Sb-125
-0.078 To 0.006 %

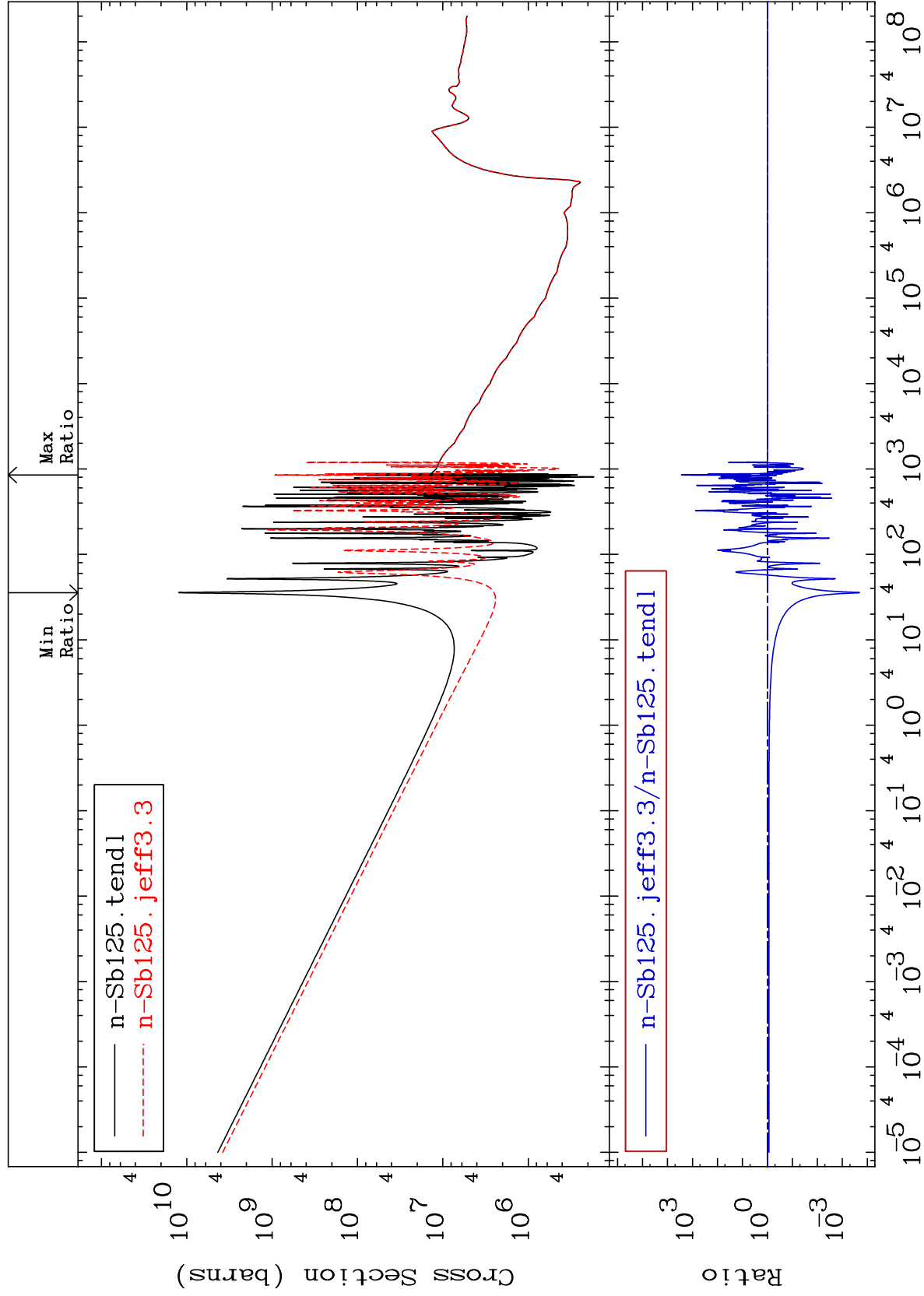


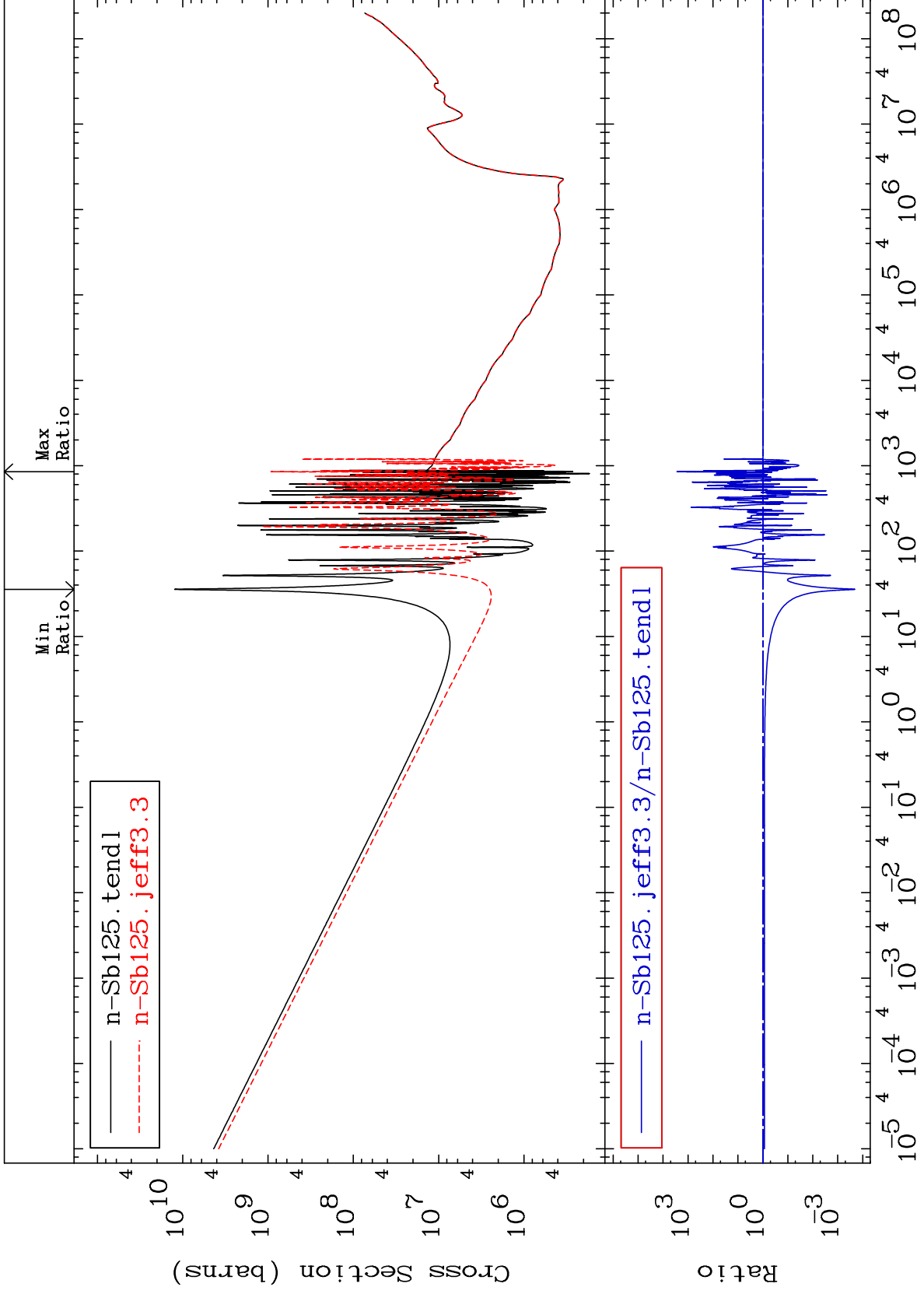
MAT 5137

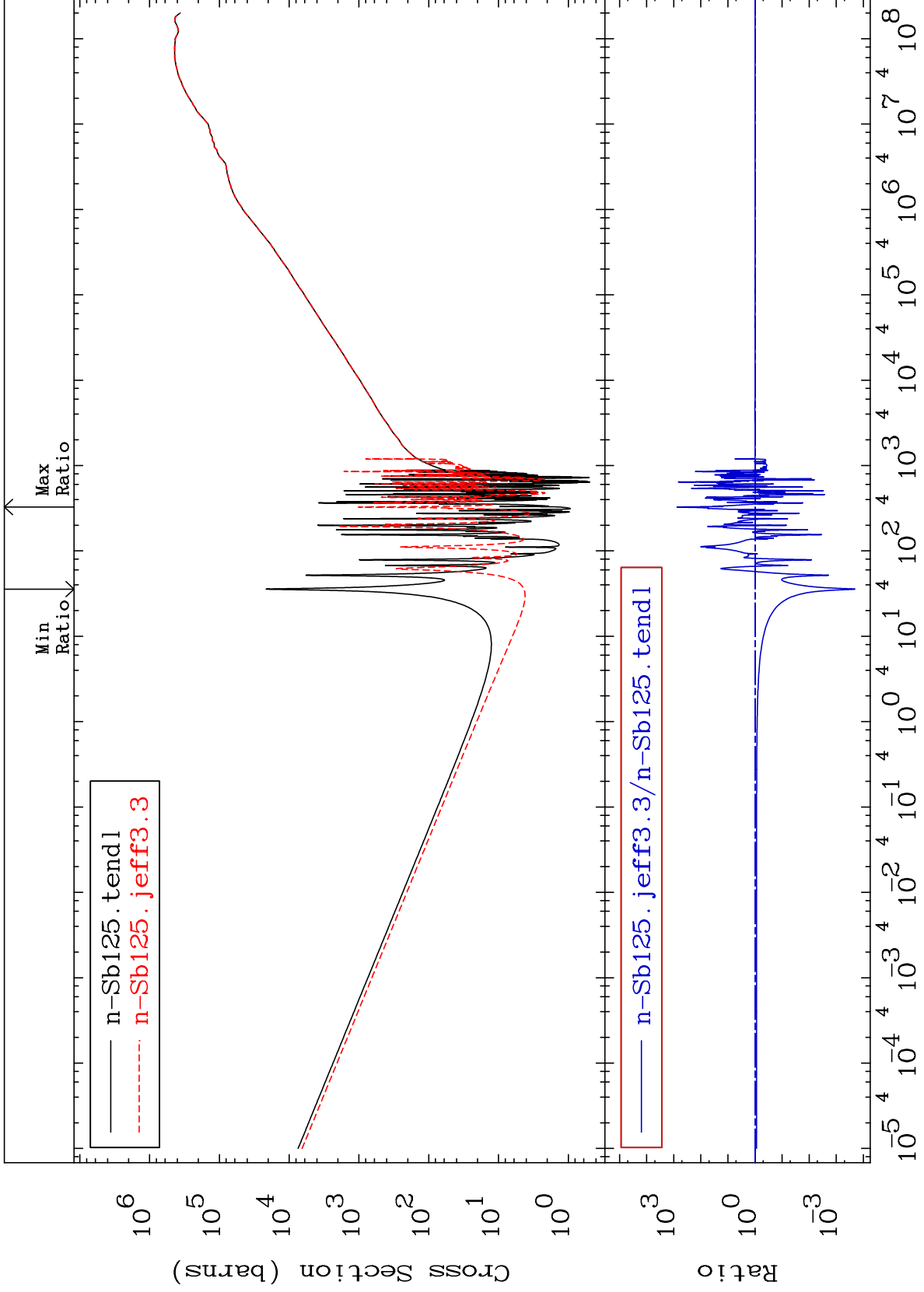
Kerma capture (mt102)
Cross Section

51-Sb-125
-99.98 To 9999. %





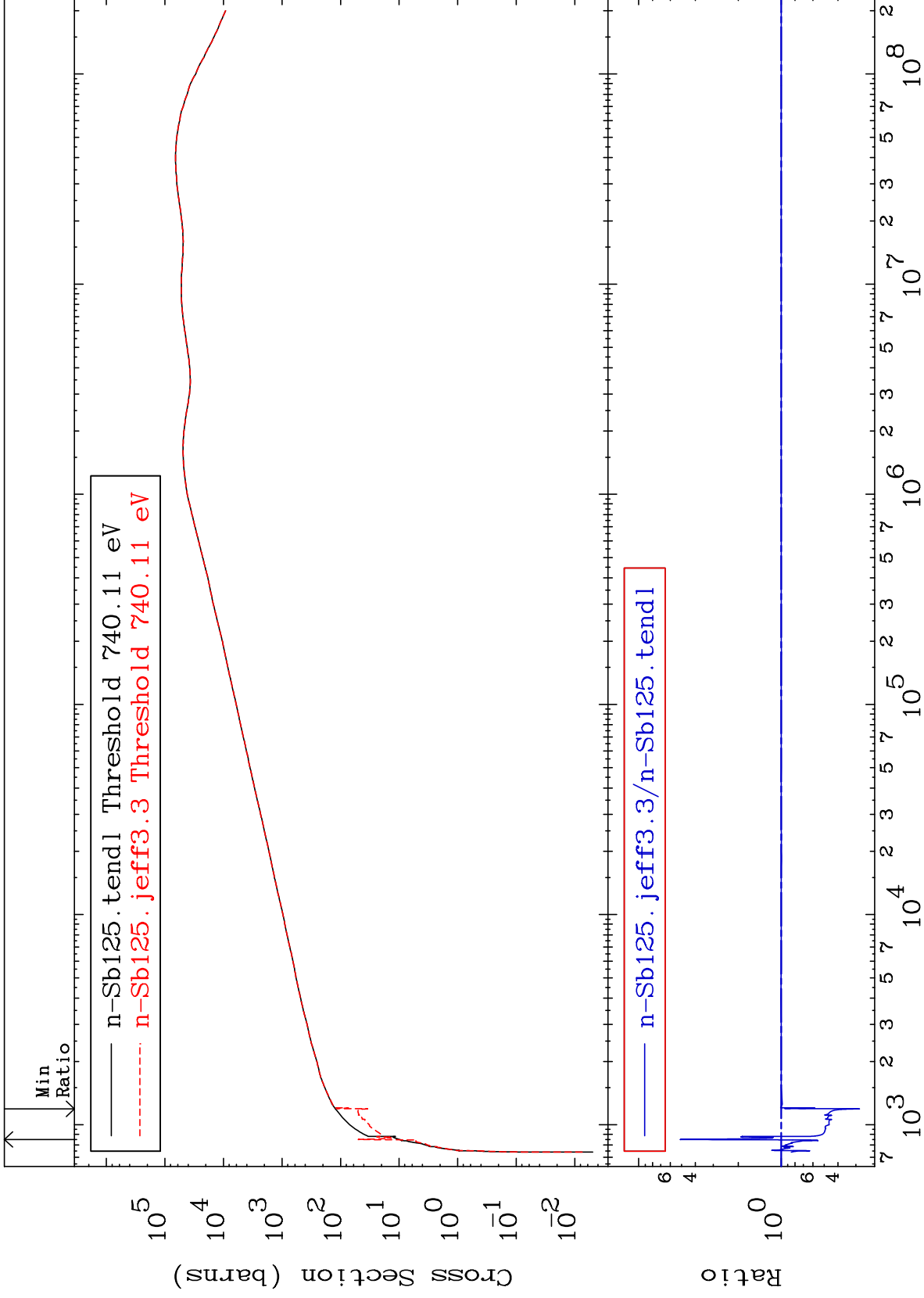




MAT 5137

Dpa elastic (mt2)
Cross Section

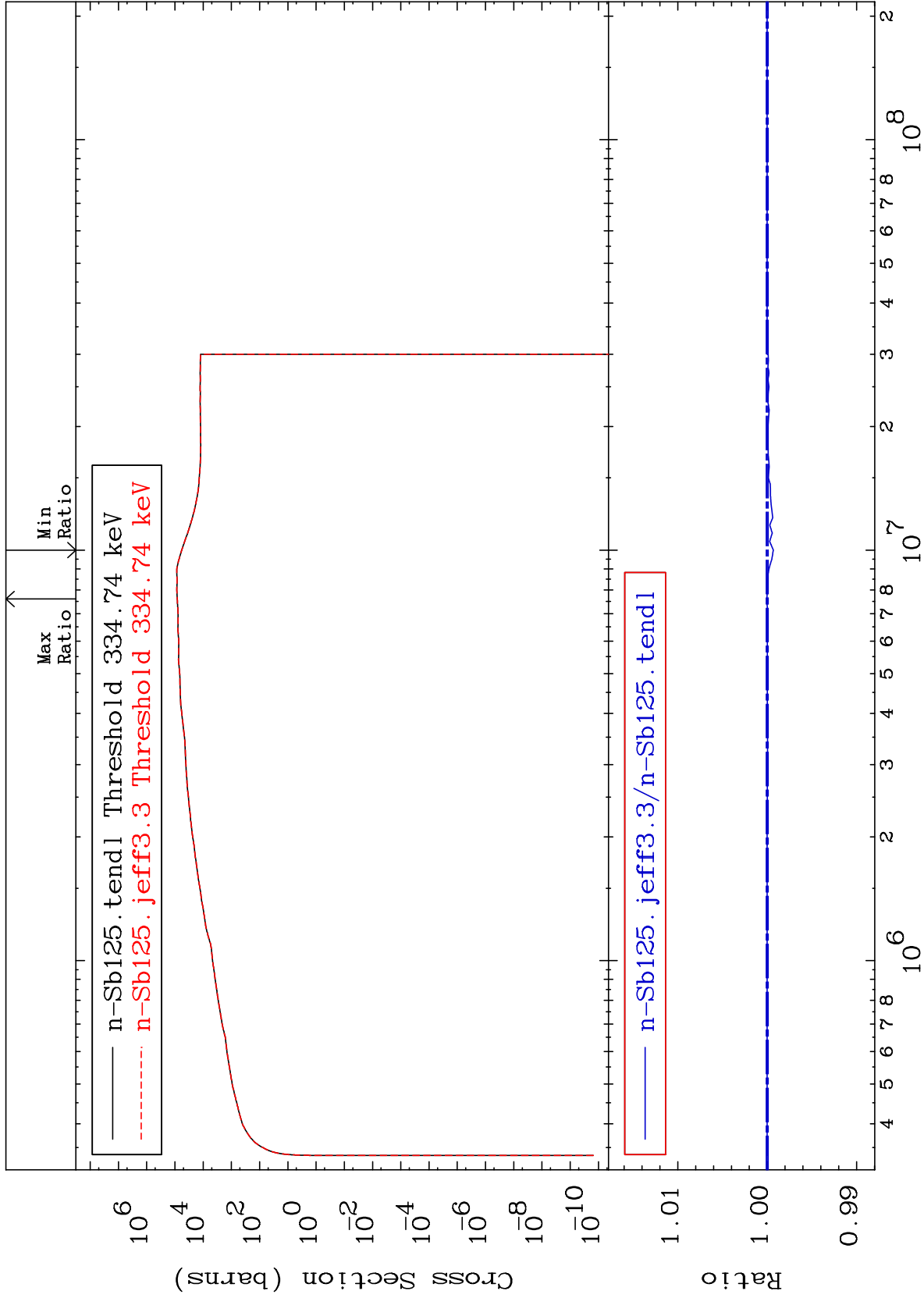
51-Sb-125
-71.70 To 410.1 %

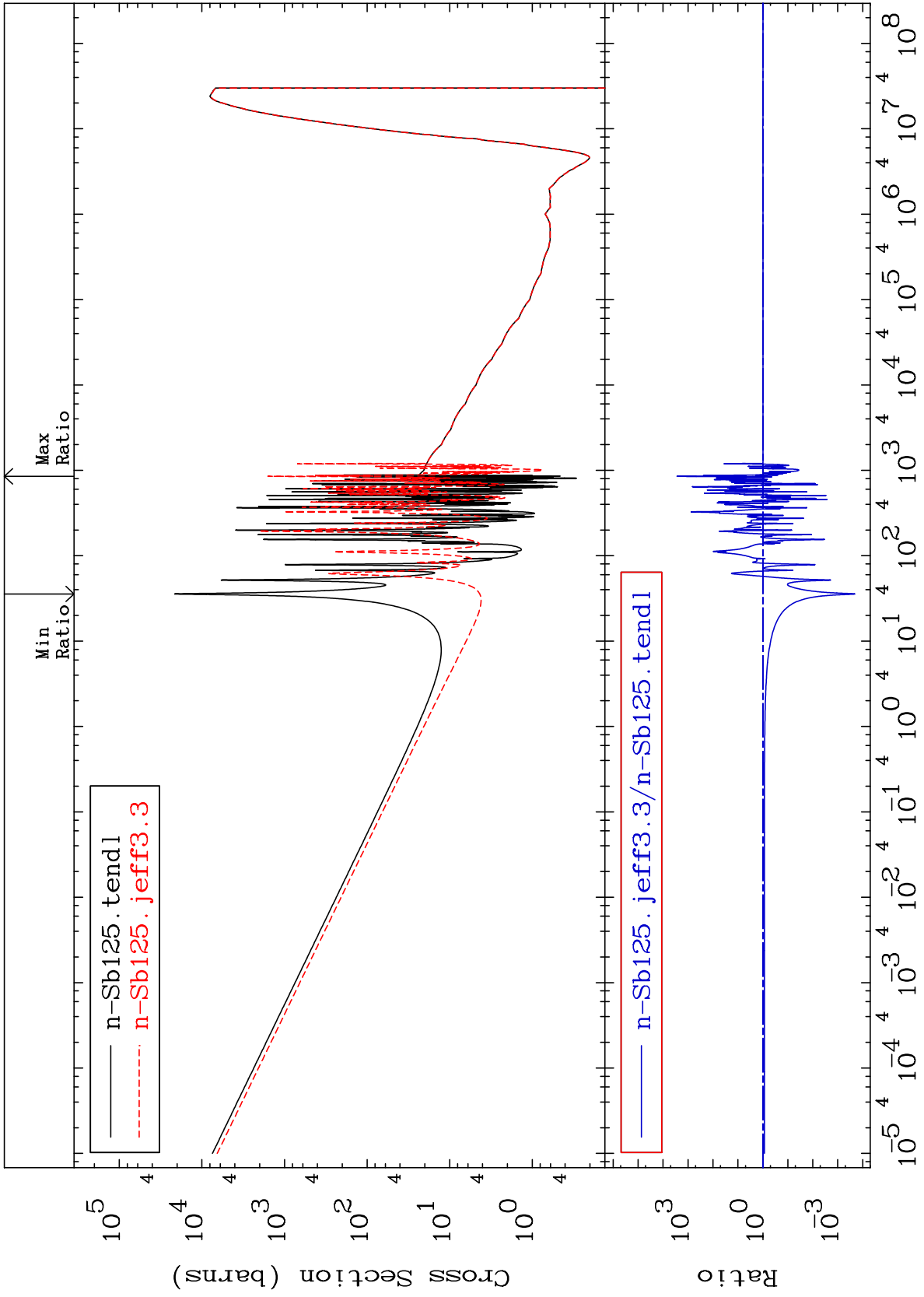


71

Incident Energy (eV)

51-Sb-125





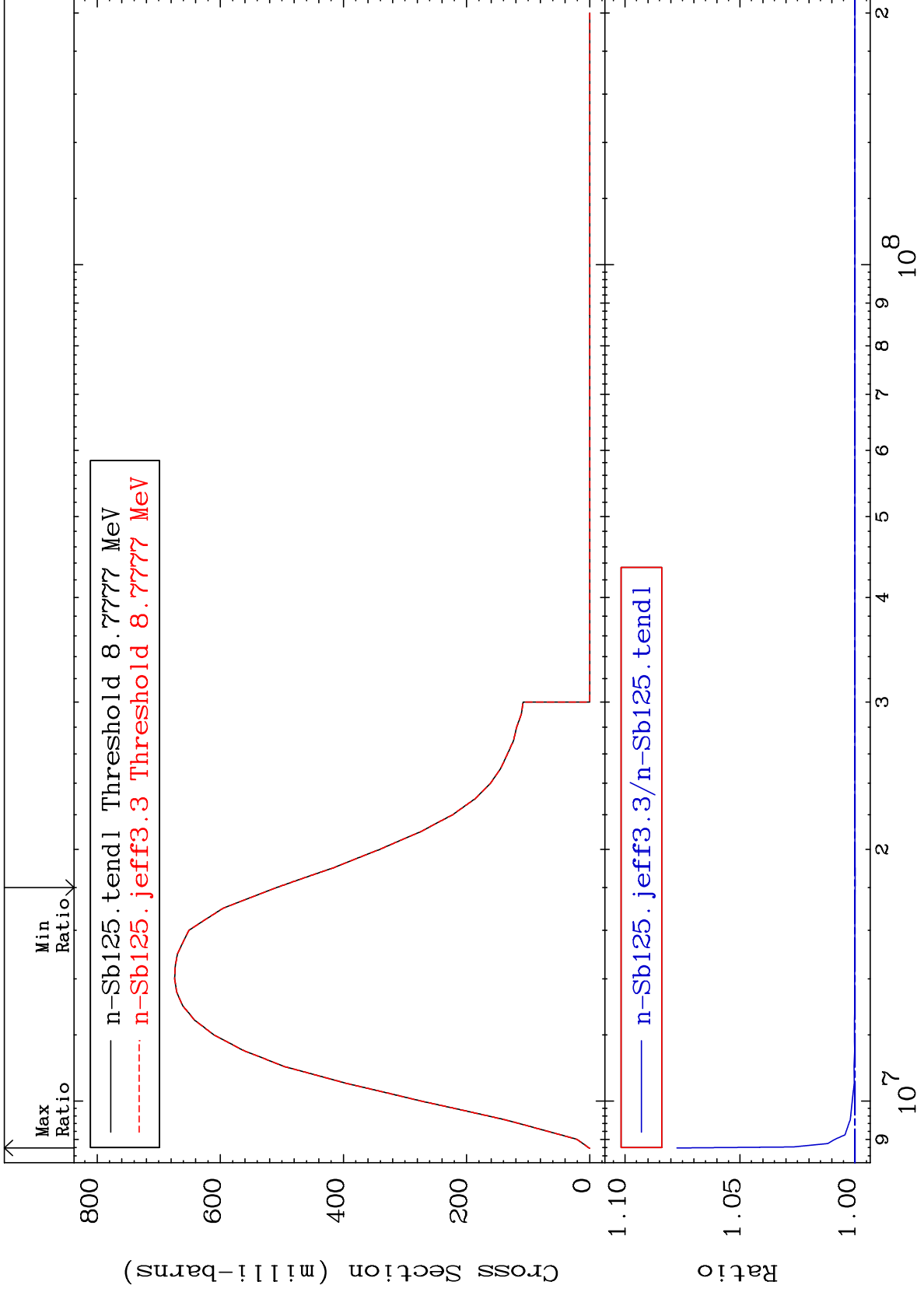
MAT 5137

(n,2n):51-Sb-124g

51-Sb-125

Radionuclide Production Cross Section

-0.007 To 7.741 %



74

Incident Energy (eV)

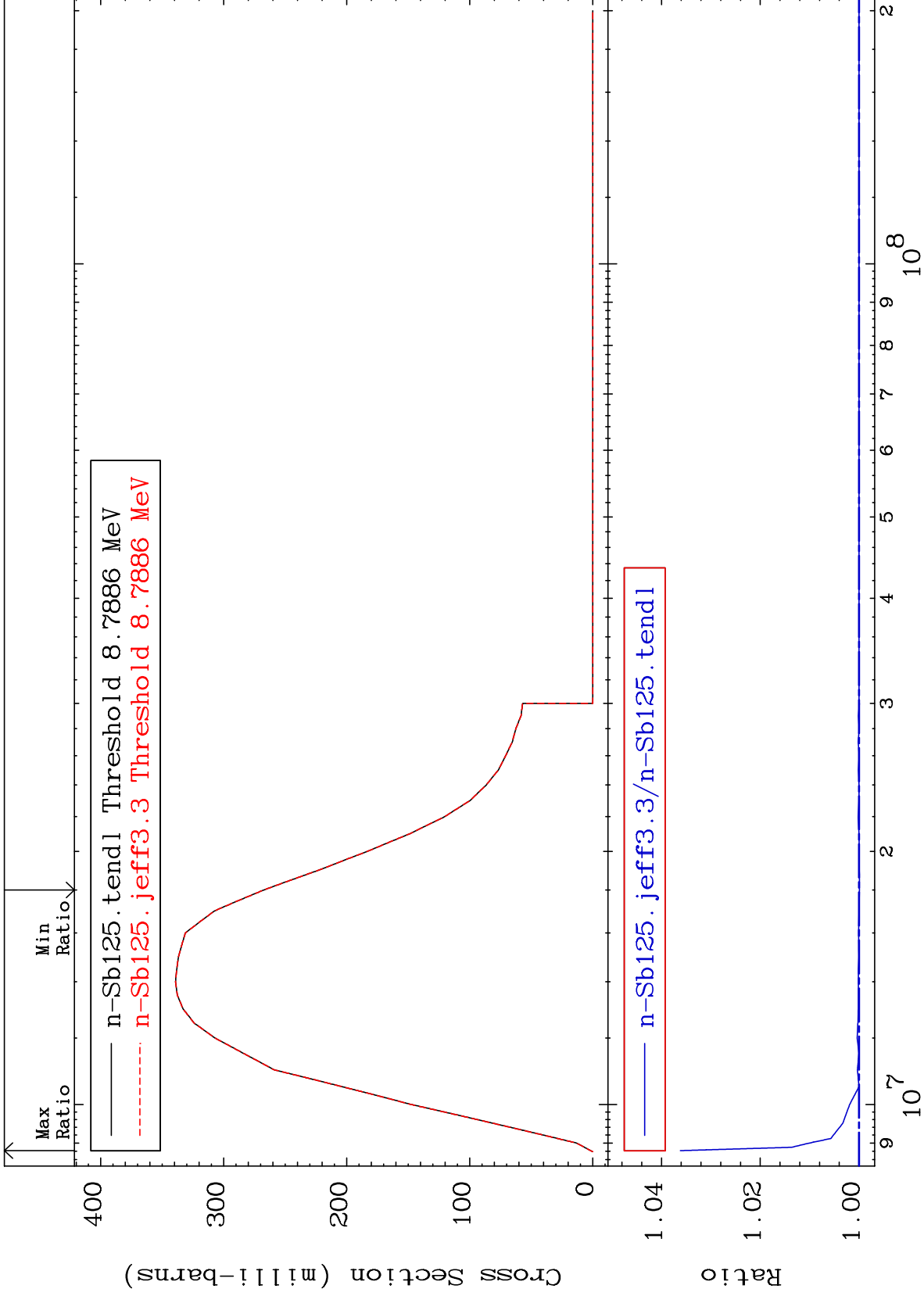
51-Sb-125

MAT 5137

(n,2n):51-Sb-124m1

51-Sb-125

Radionuclide Production Cross Section -0.009 To 3.617 %



75

Incident Energy (eV)

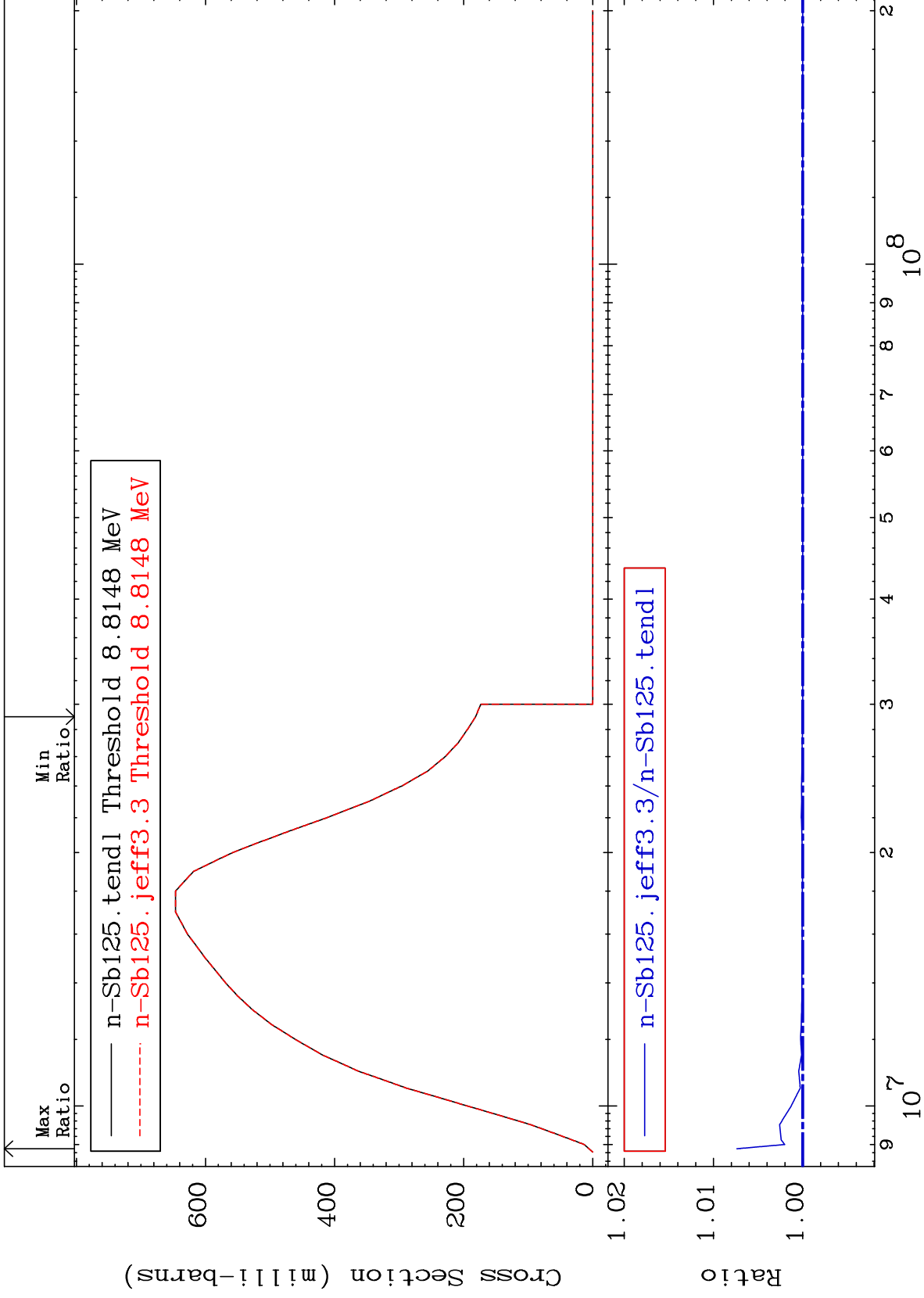
51-Sb-125

MAT 5137

(n,2n):51-Sb-124m2

51-Sb-125

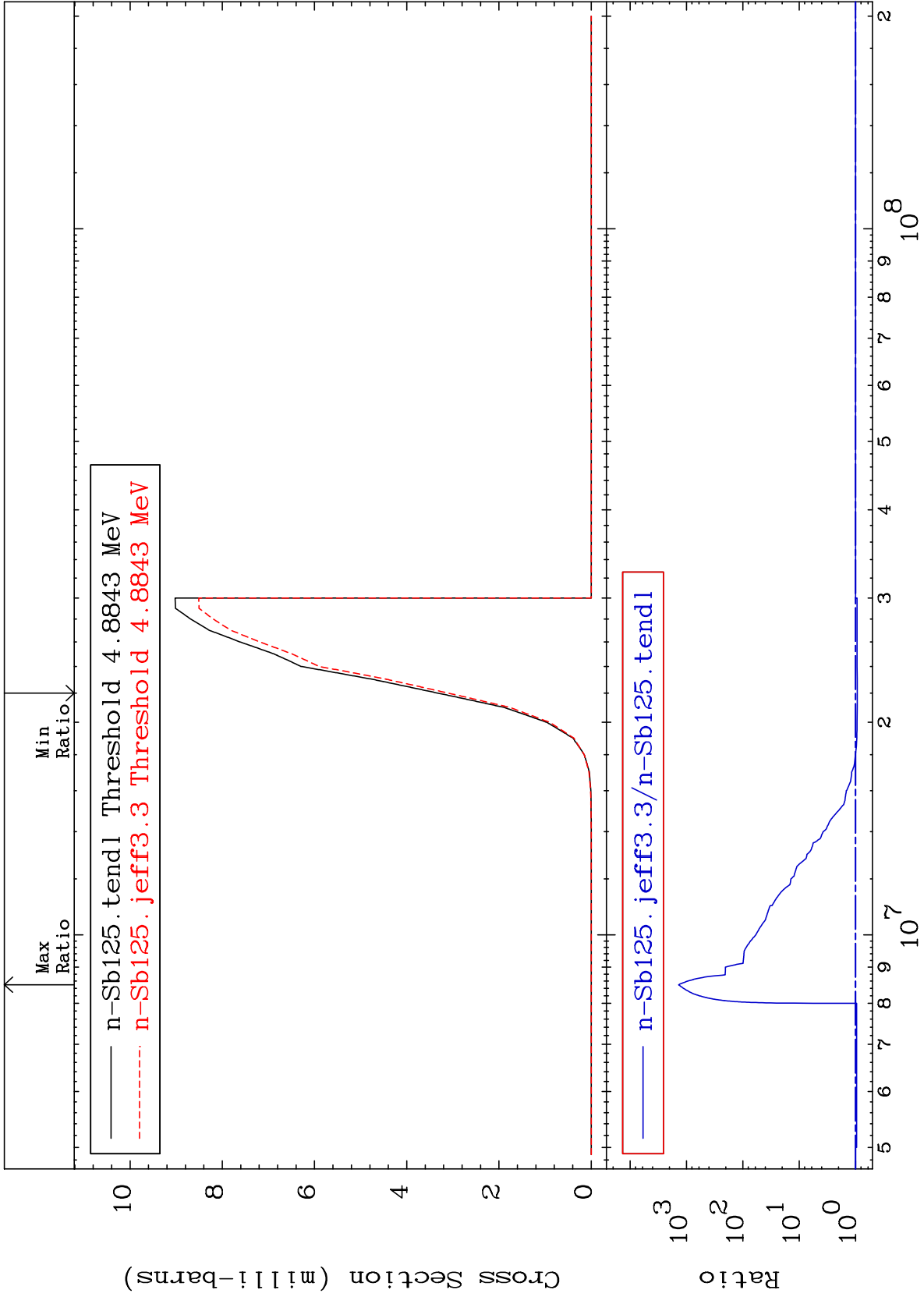
Radionuclide Production Cross Section -0.003 To 0.739 %



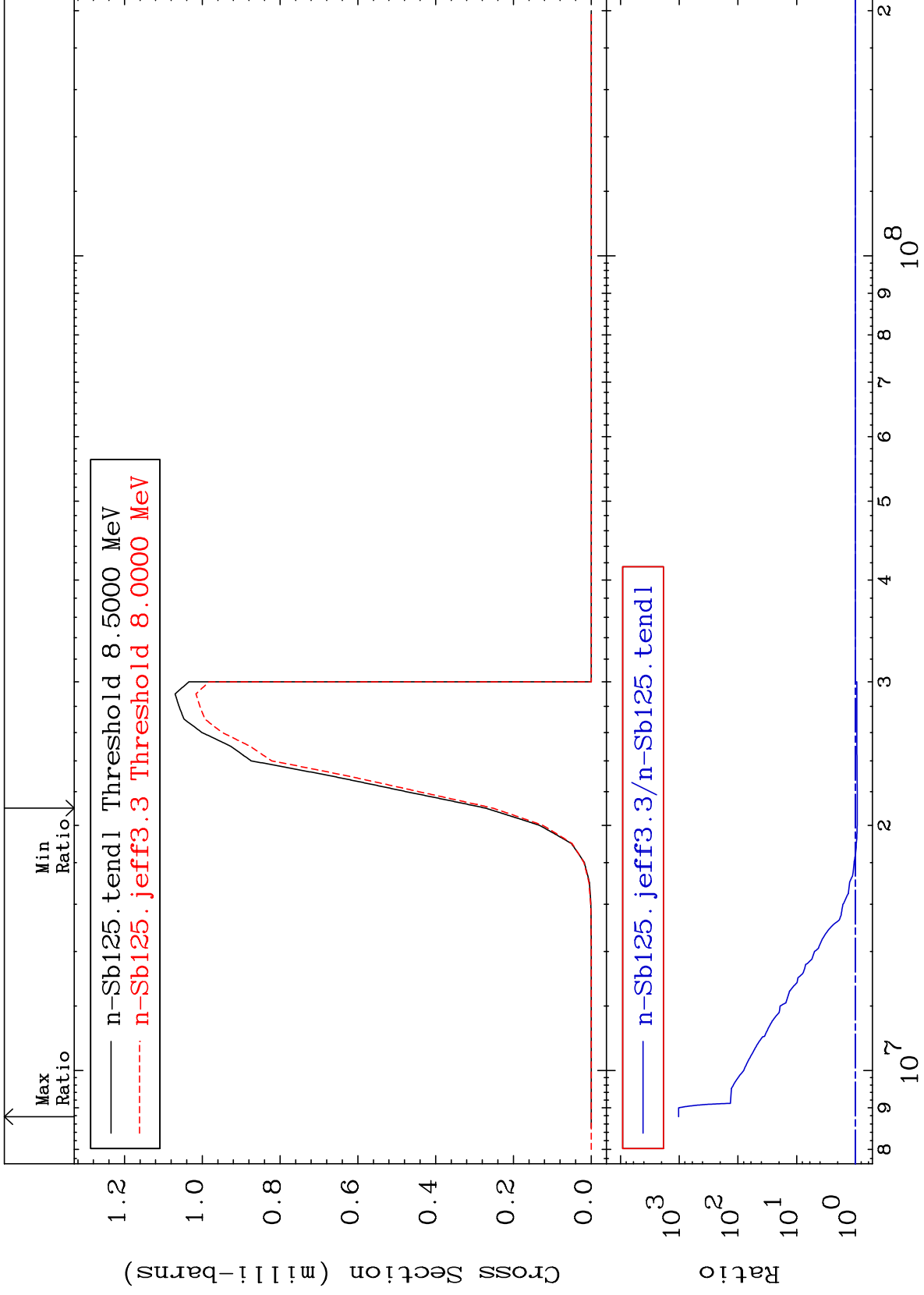
76

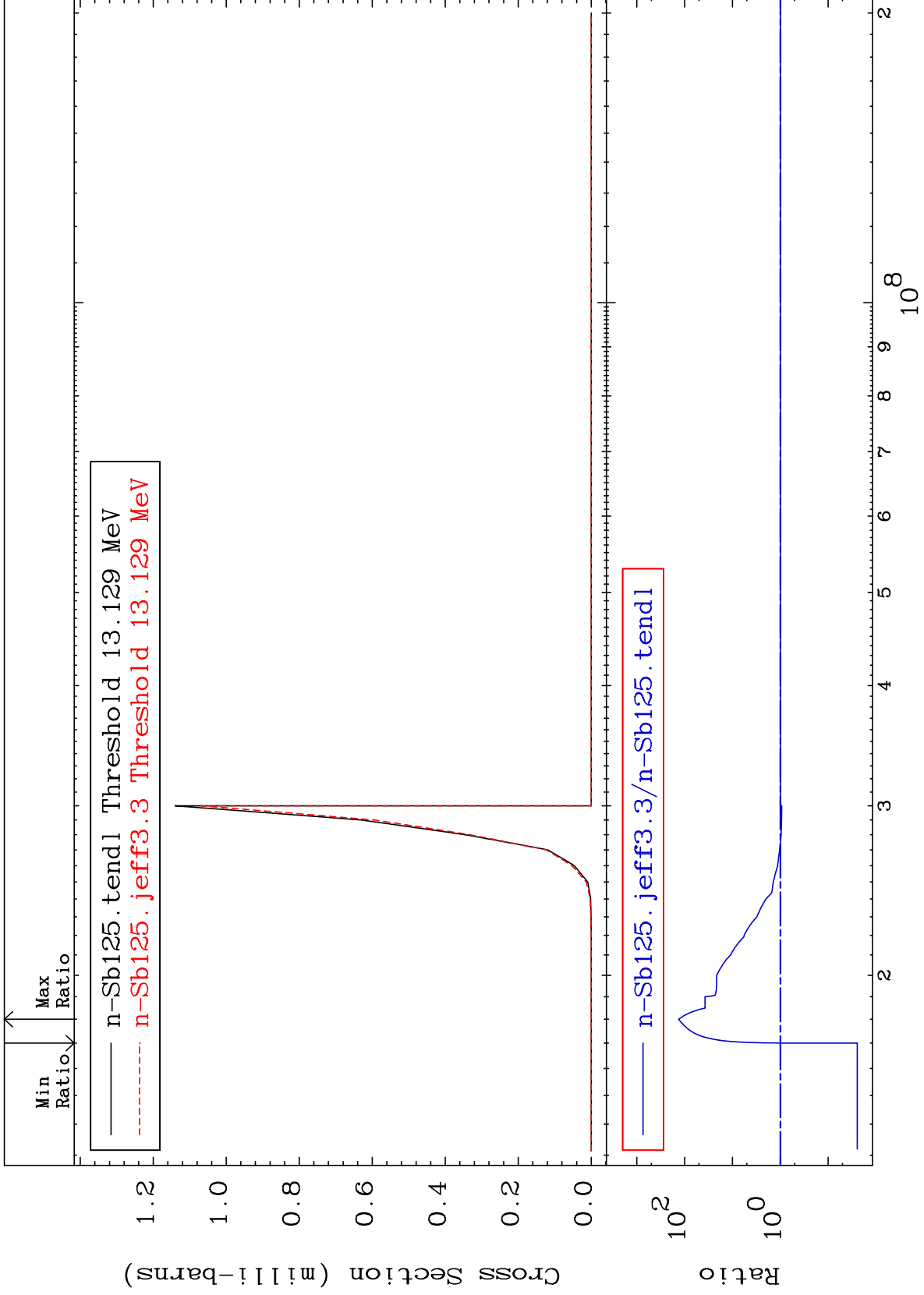
Incident Energy (eV)

51-Sb-125



Radionuclide Production Cross Section -6.870 To 9999. %



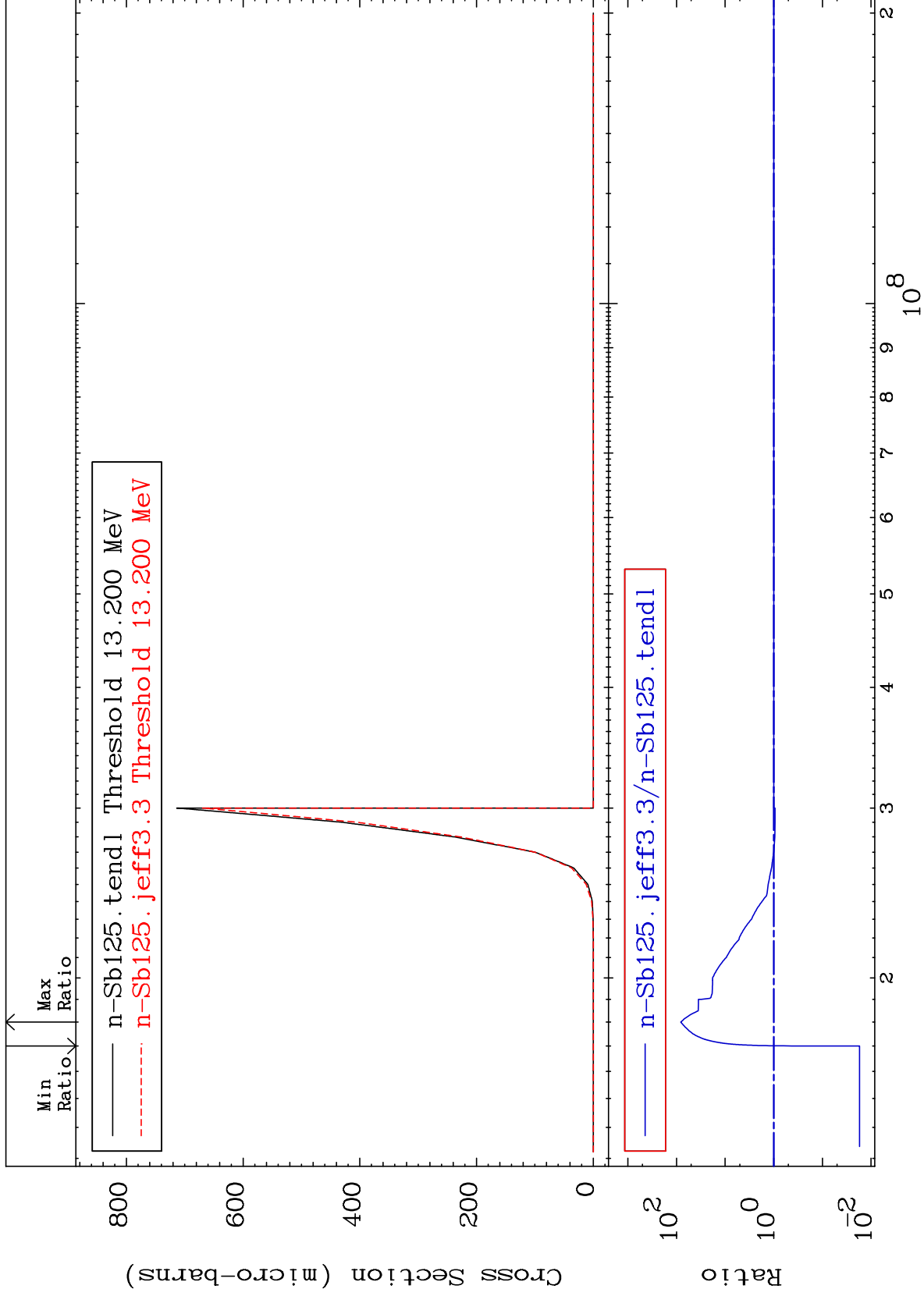


MAT 5137

(n,2n) α :49-In-120m1

51-Sb-125

Radionuclide Production Cross Section -98.28 To 8070. %



80

Incident Energy (eV)

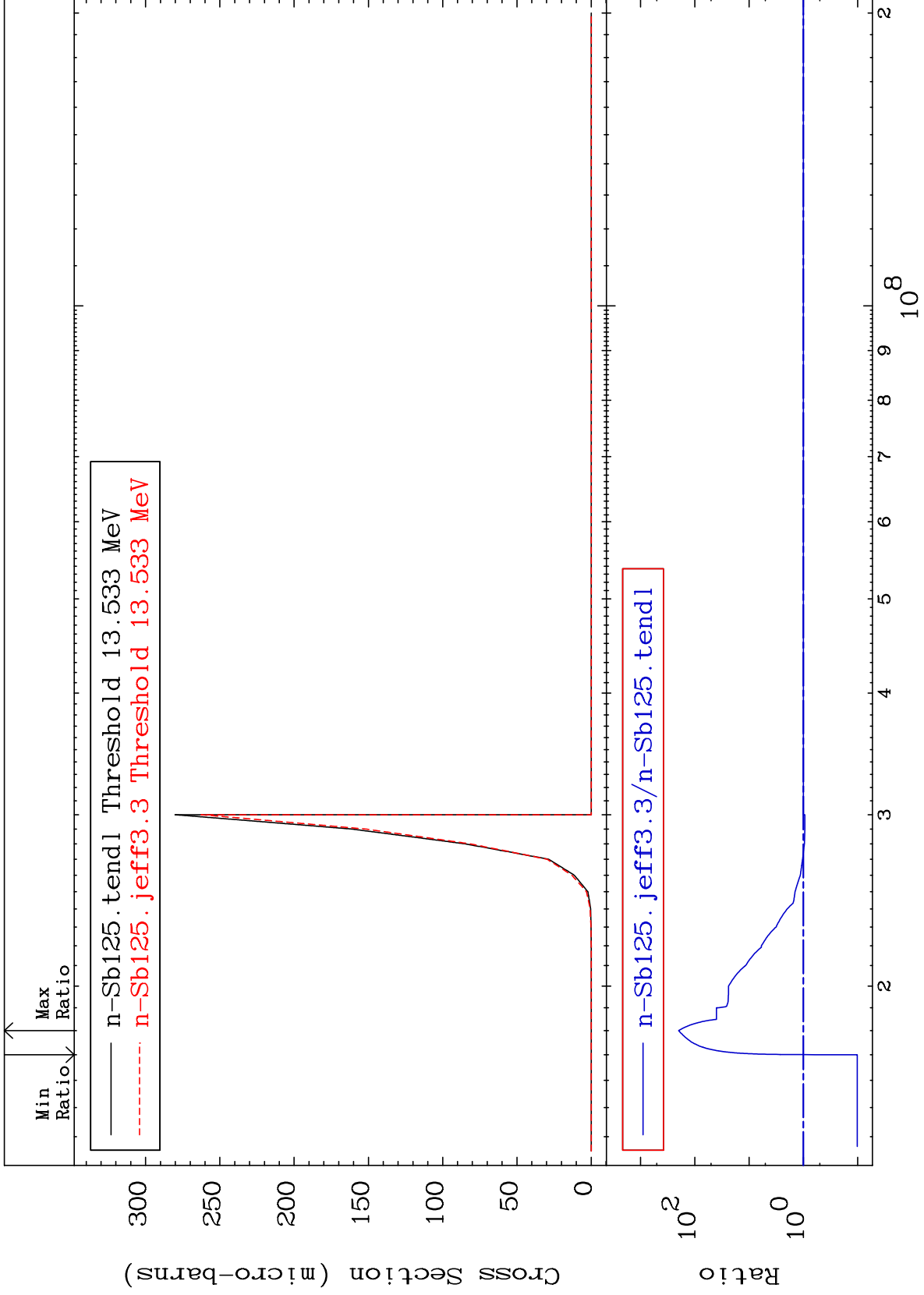
51-Sb-125

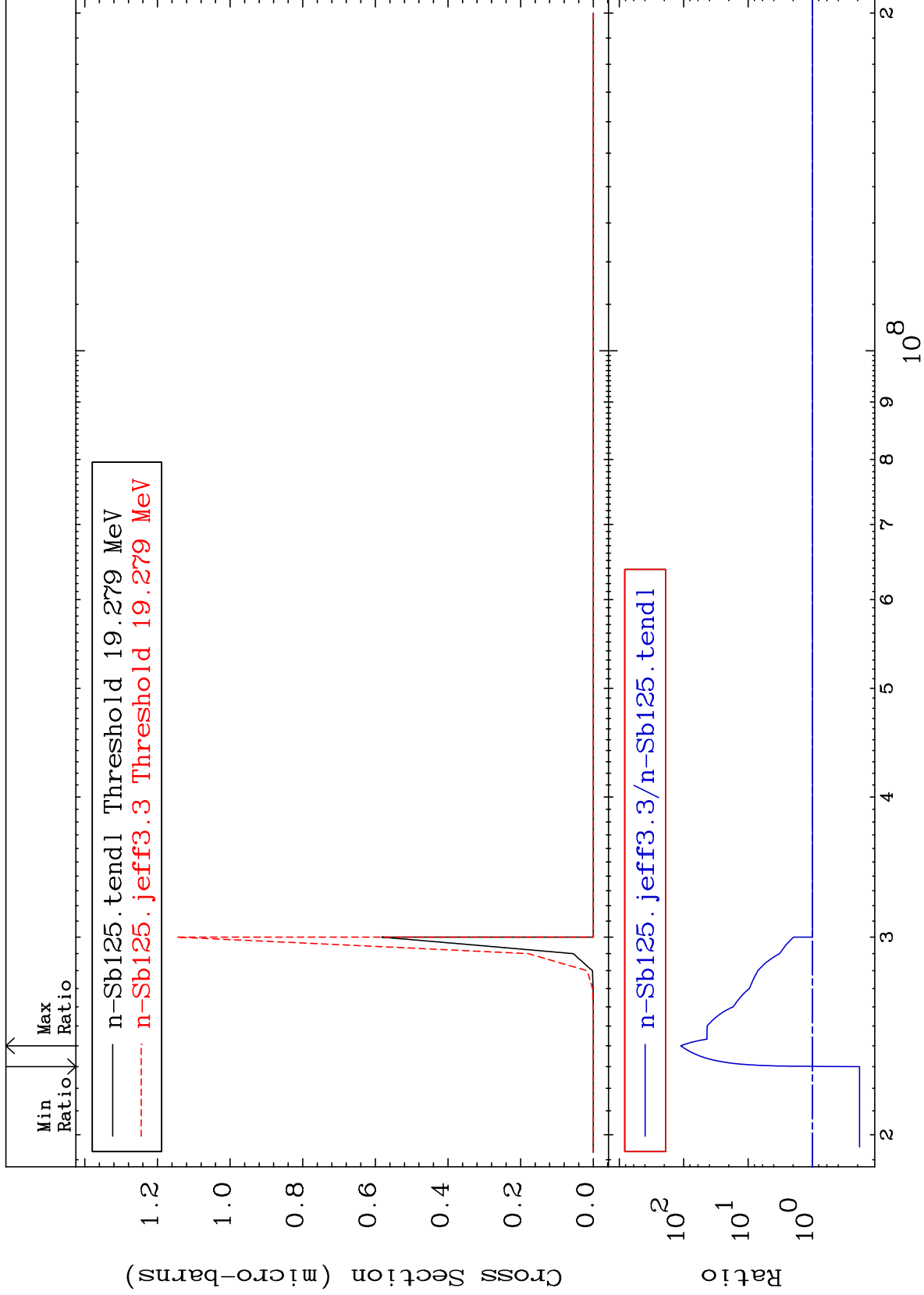
MAT 5137

(n,2n) α :49-In-120m2

51-Sb-125

Radionuclide Production Cross Section -89.81 To 9999. %



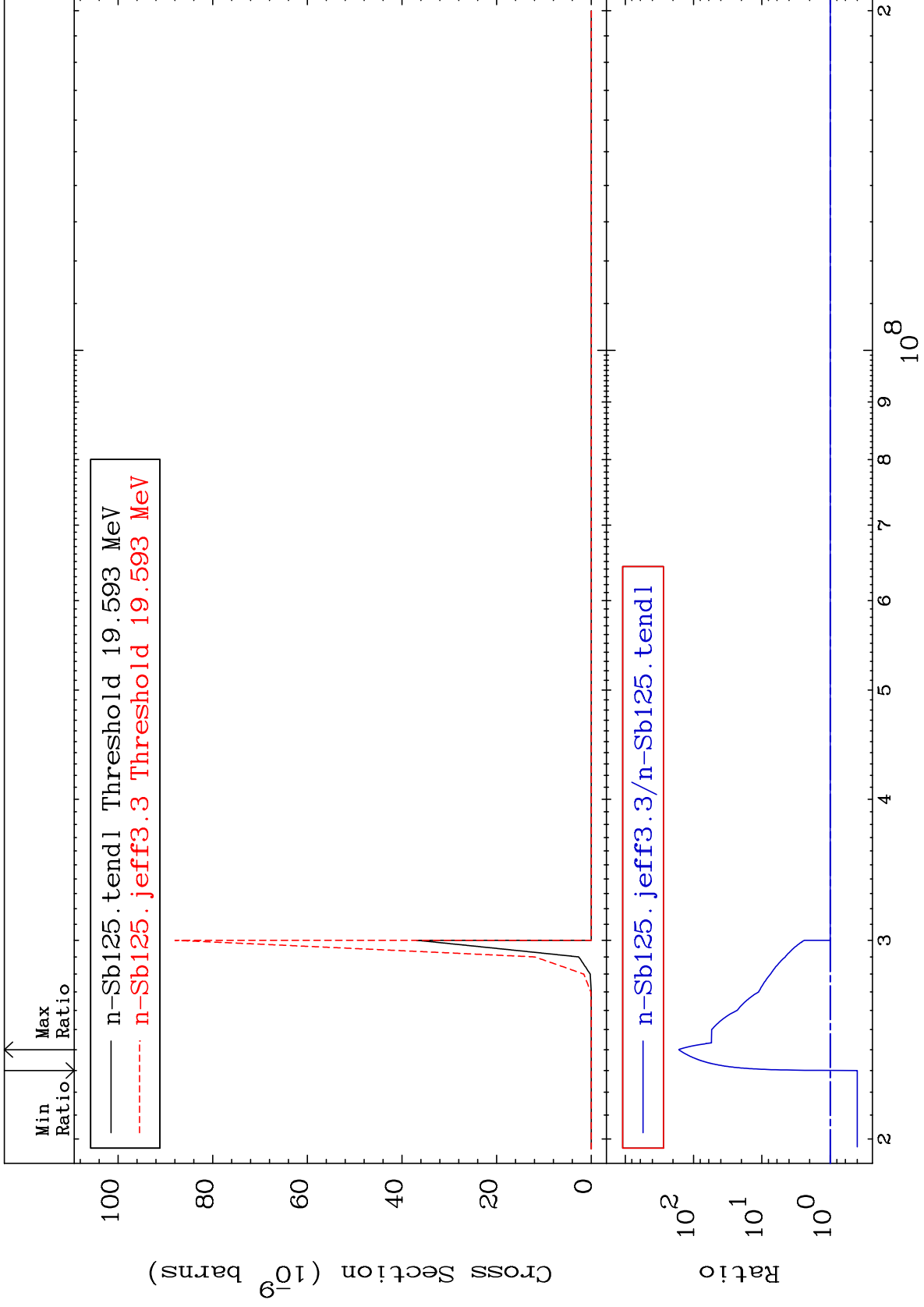


MAT 5137

(n,3n) α :49-In-119m1

51-Sb-125

Radionuclide Production Cross Section -59.87 To 9999. %

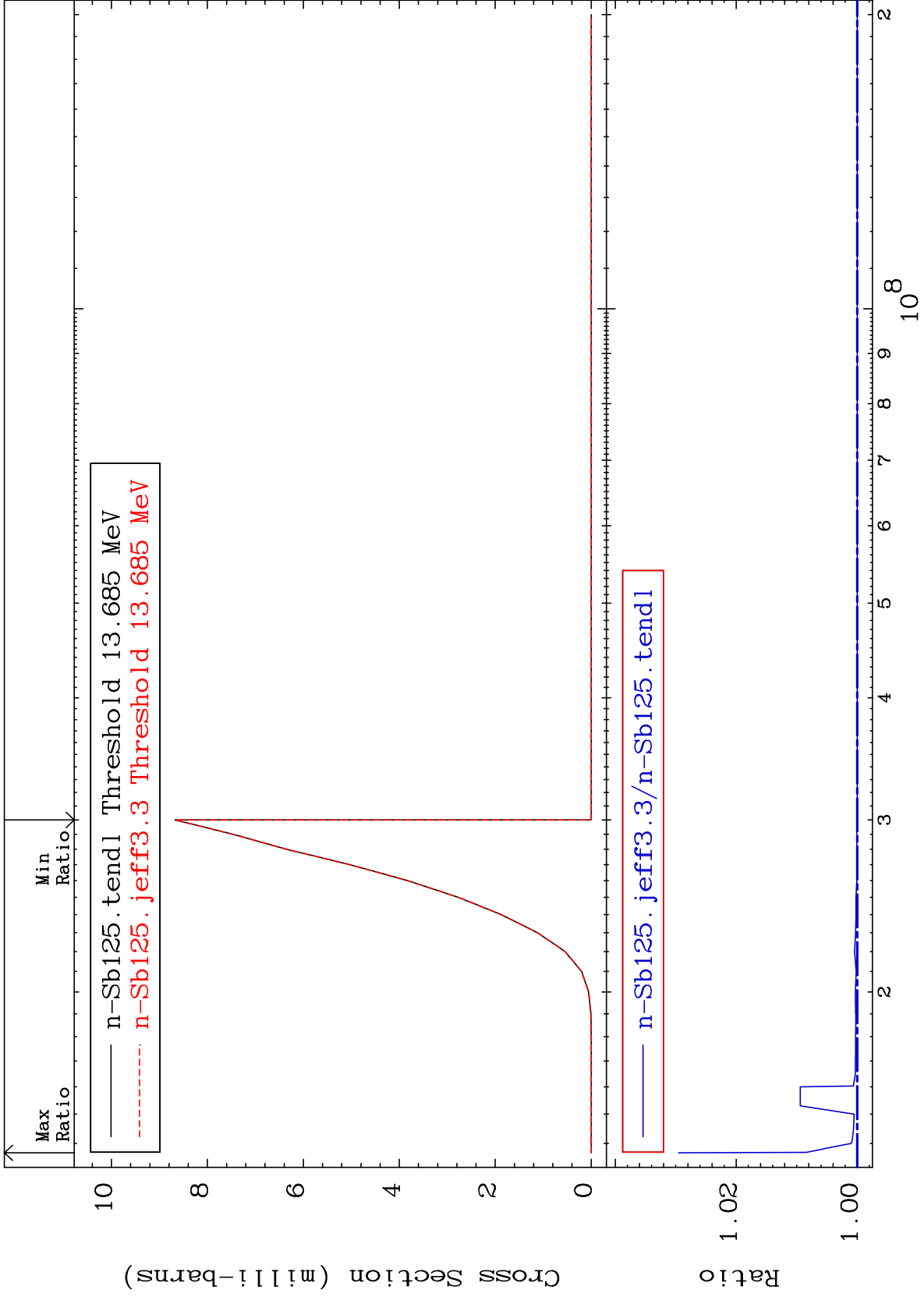


MAT 5137

(n, n') d:50-Sn-123g

51-Sb-125
To 2.953 %

Radionuclide Production Cross Section 0.000

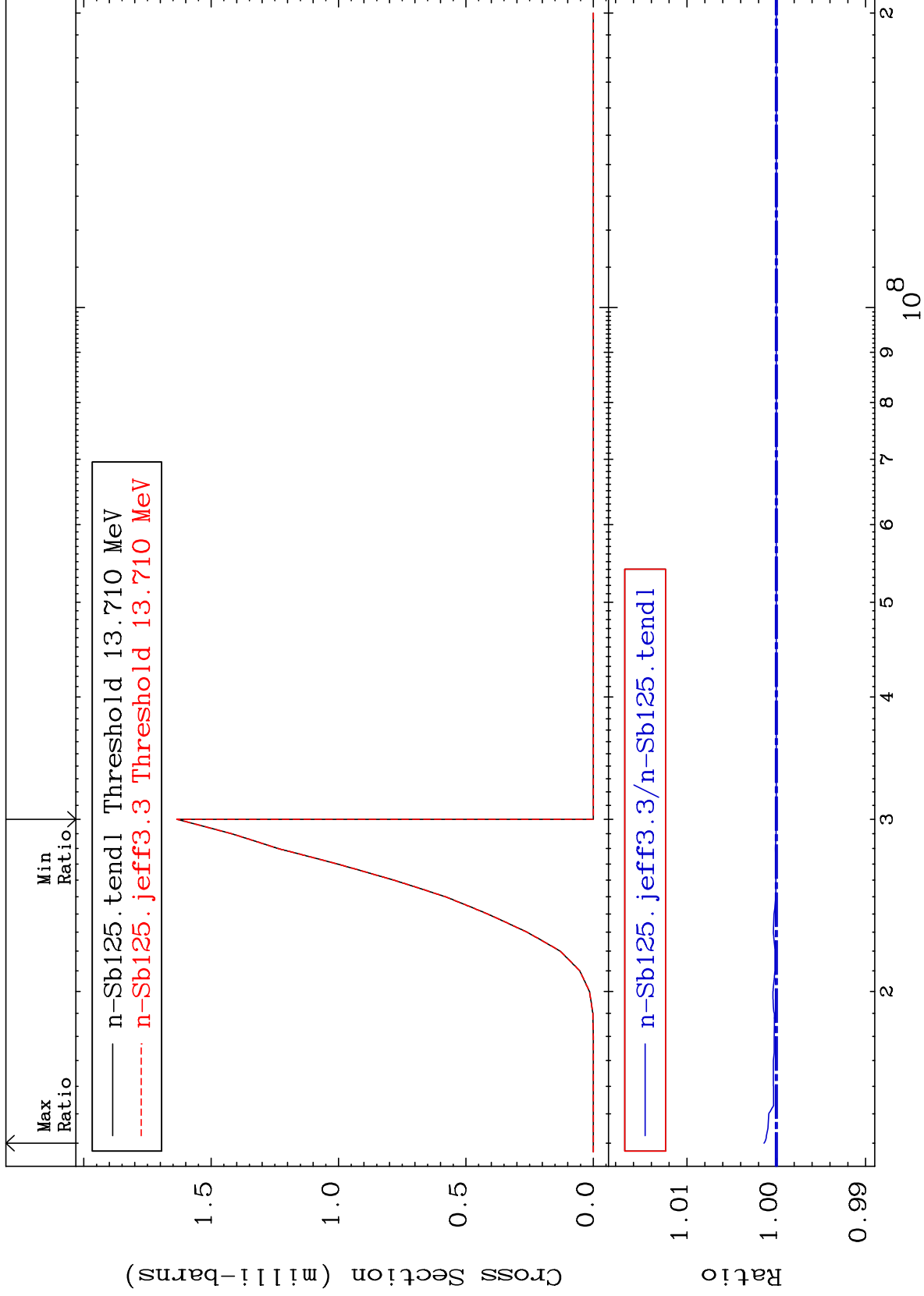


MAT 5137

(n, n') d:50-Sn-123m1

51-Sb-125

Radionuclide Production Cross Section 0.000 To 0.139 %



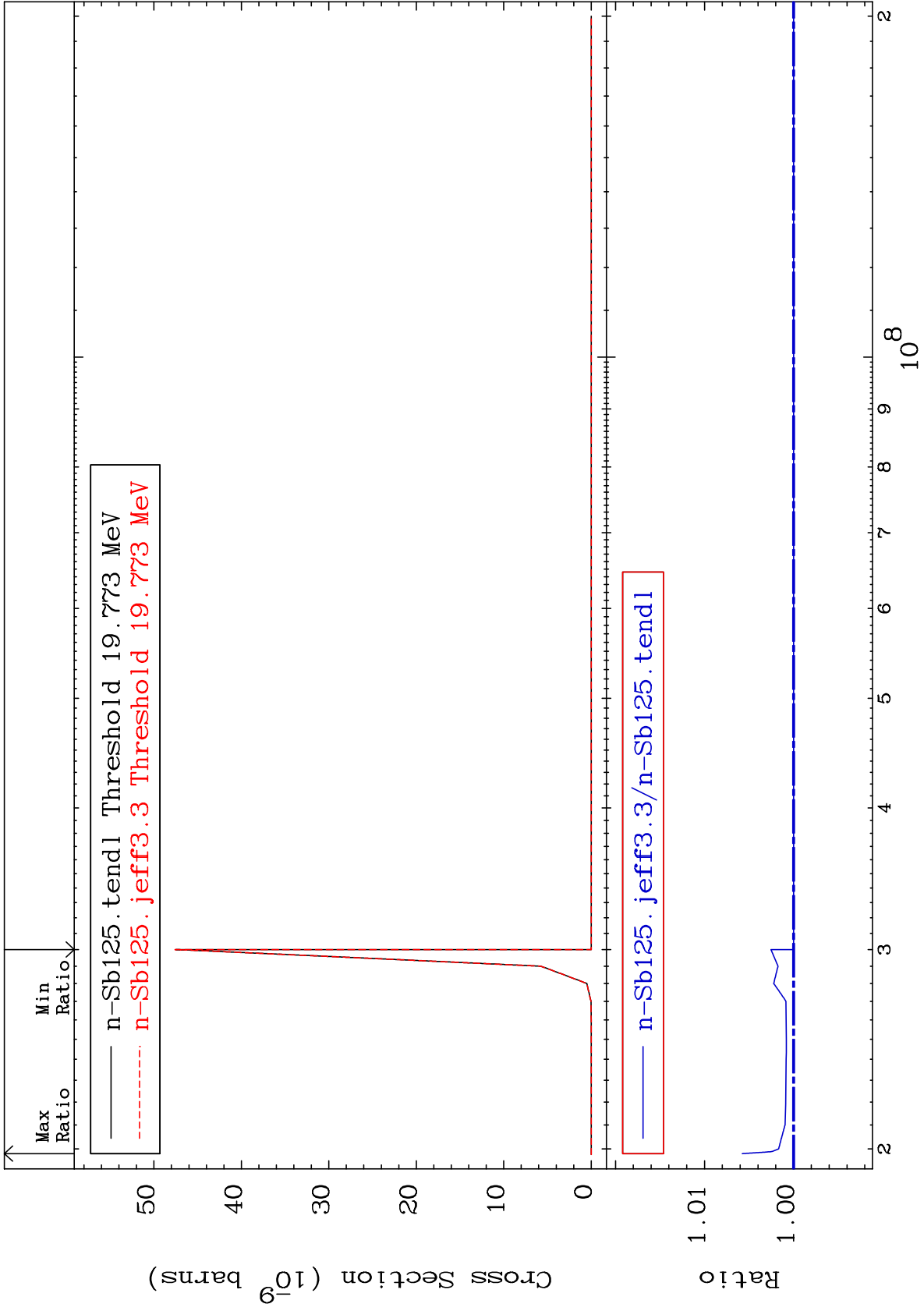
85

Incident Energy (eV)

51-Sb-125

MAT 5137

(n, n') He-3:49-In-122g 51-Sb-125
Radionuclide Production Cross Section 0.000 To 0.576 %

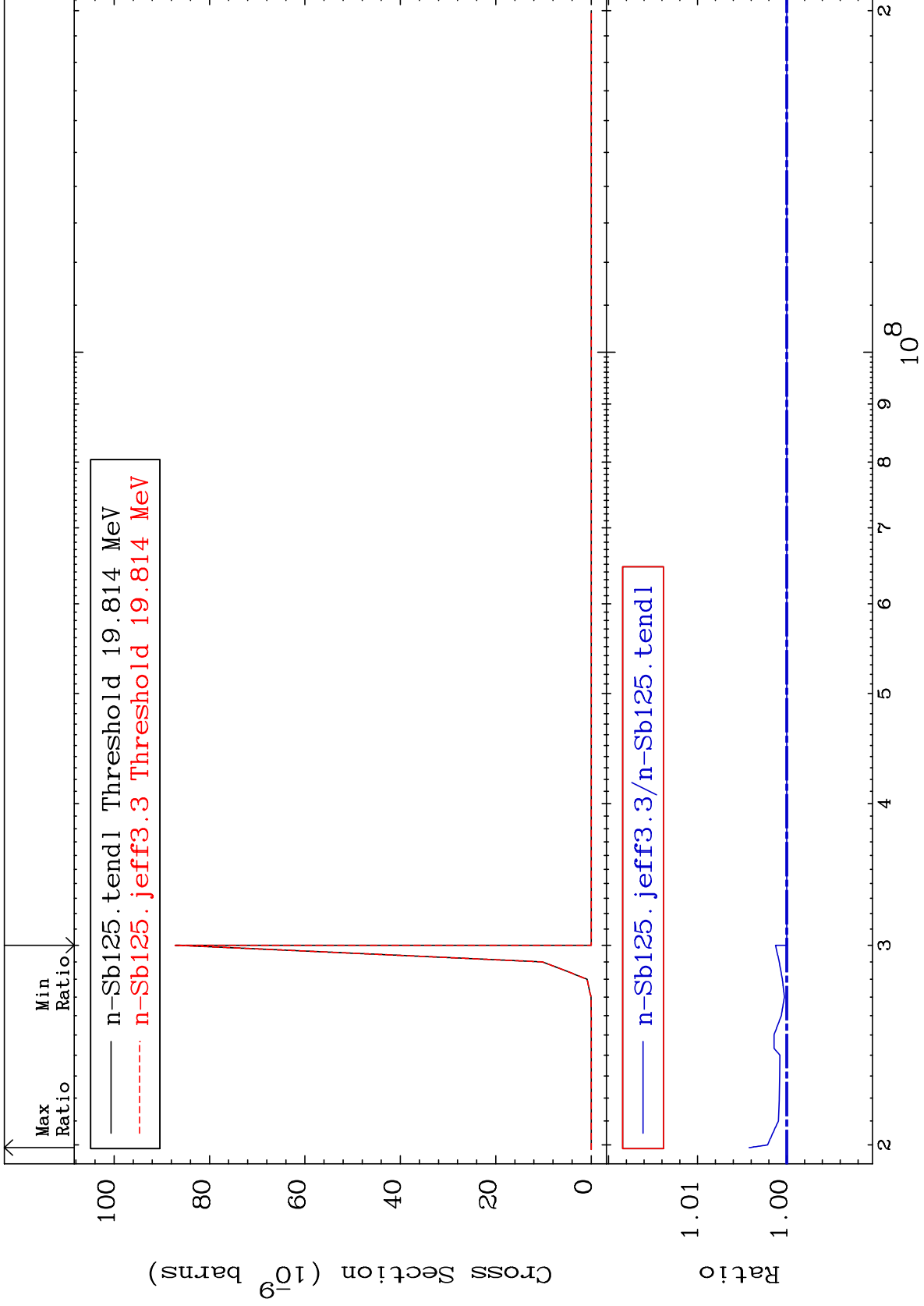


MAT 5137

(n, n') He-3:49-In-122m1

51-Sb-125

Radionuclide Production Cross Section 0.000 To 0.421 %

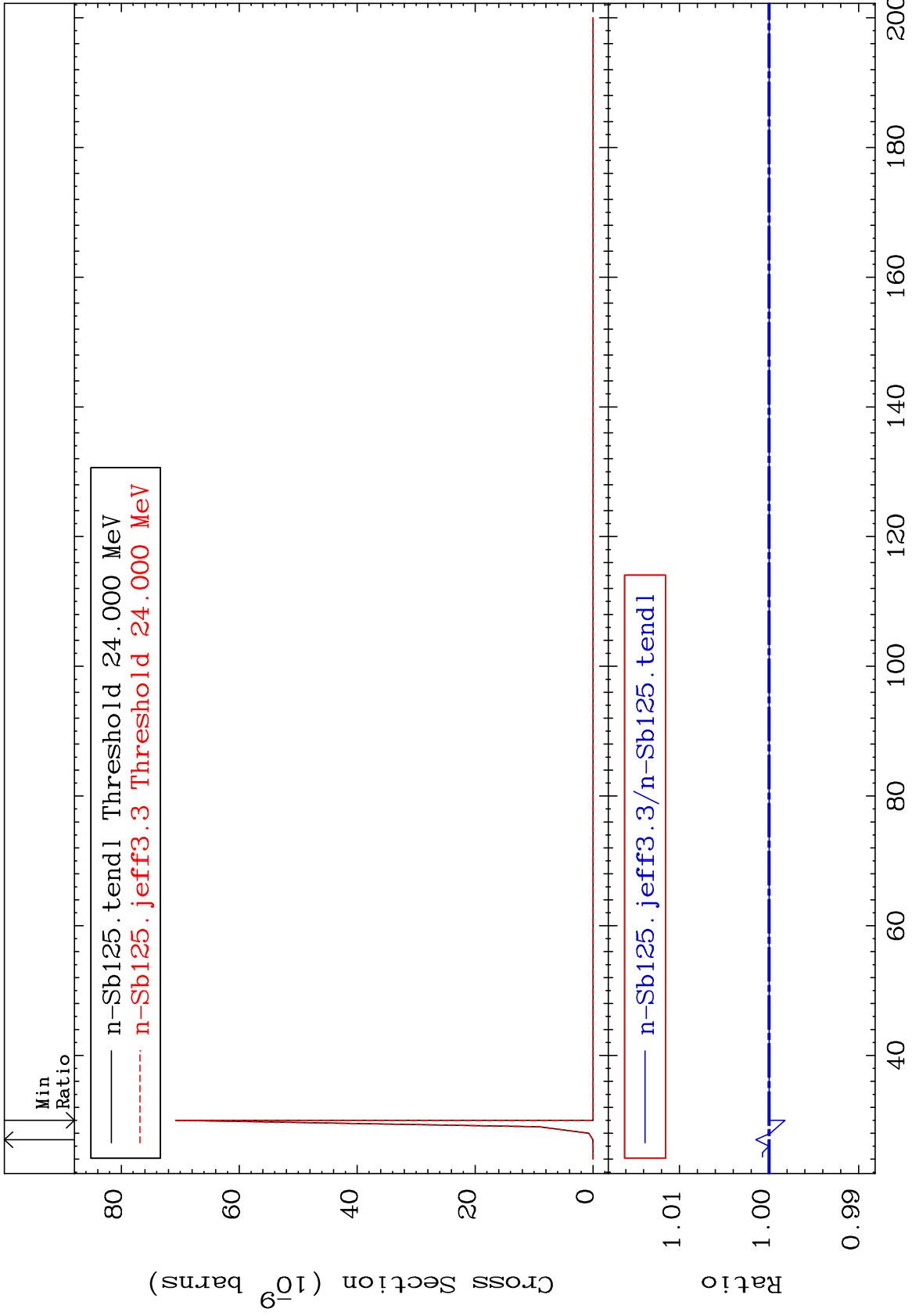


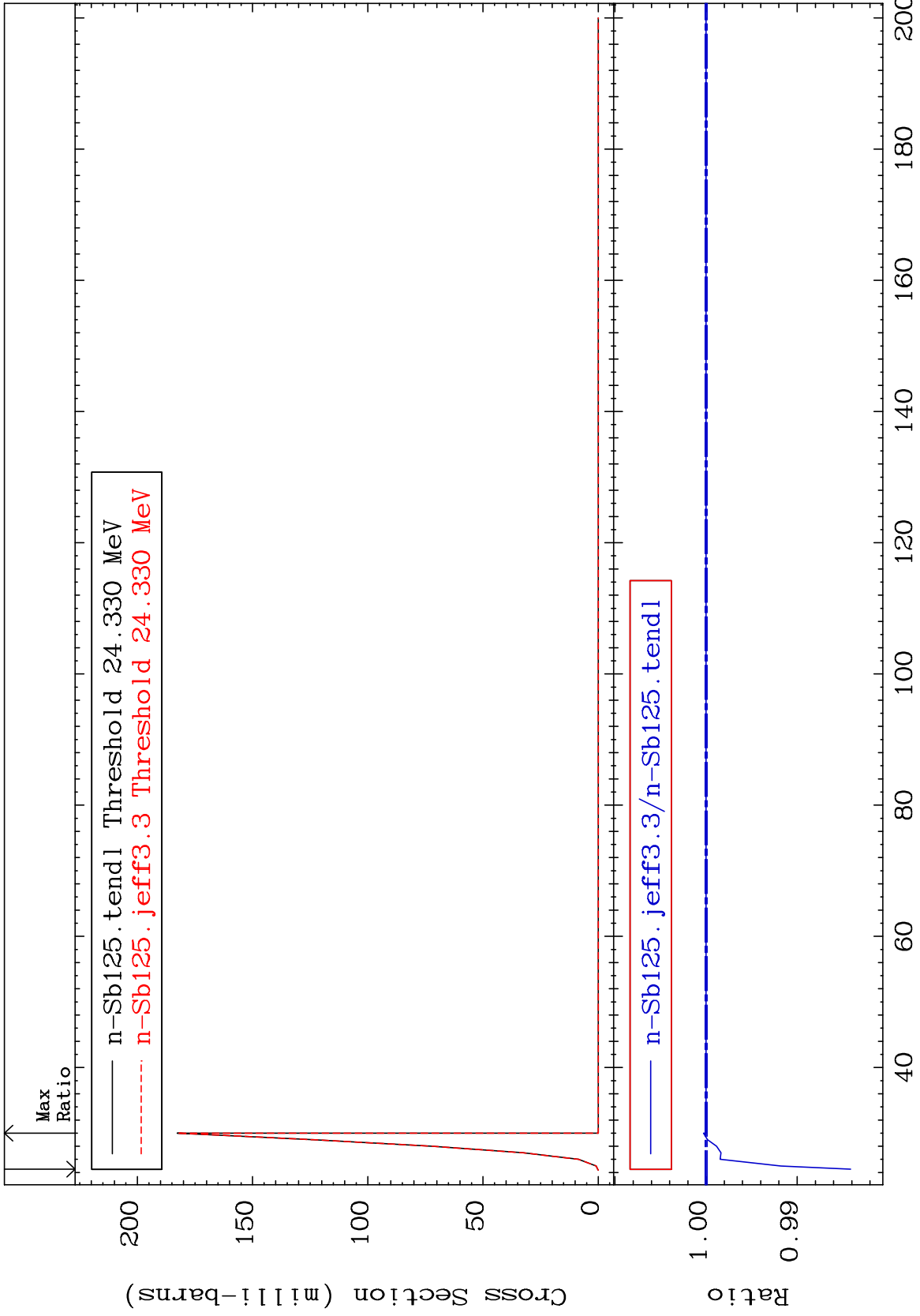
87

Incident Energy (eV)

51-Sb-125

Radionuclide Production Cross Section -0.177 To 0.149 %



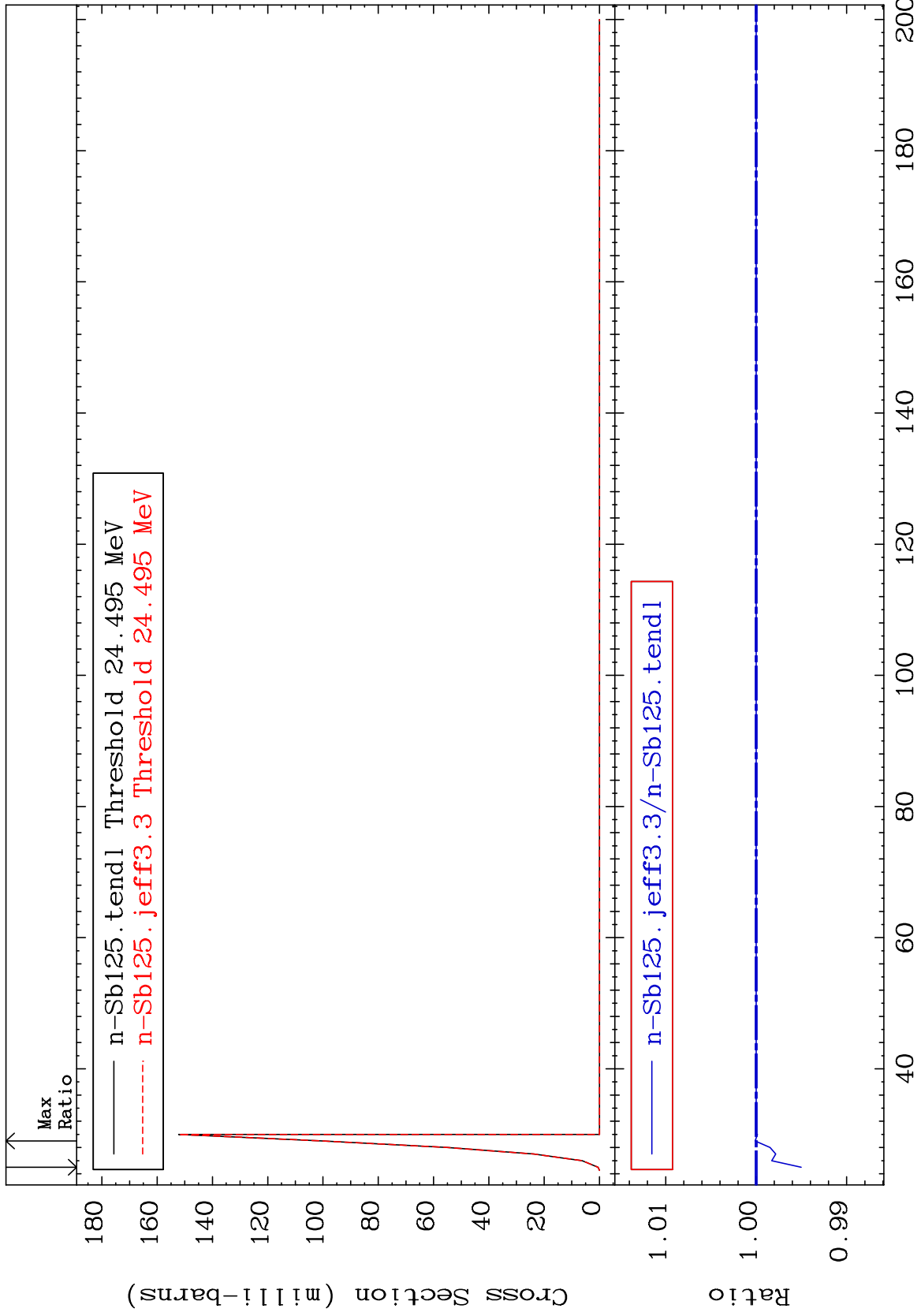


MAT 5137

(n,4n):51-Sb-122m5

51-Sb-125

Radionuclide Production Cross Section -0.498 To 0.012 %



90

Incident Energy (MeV)

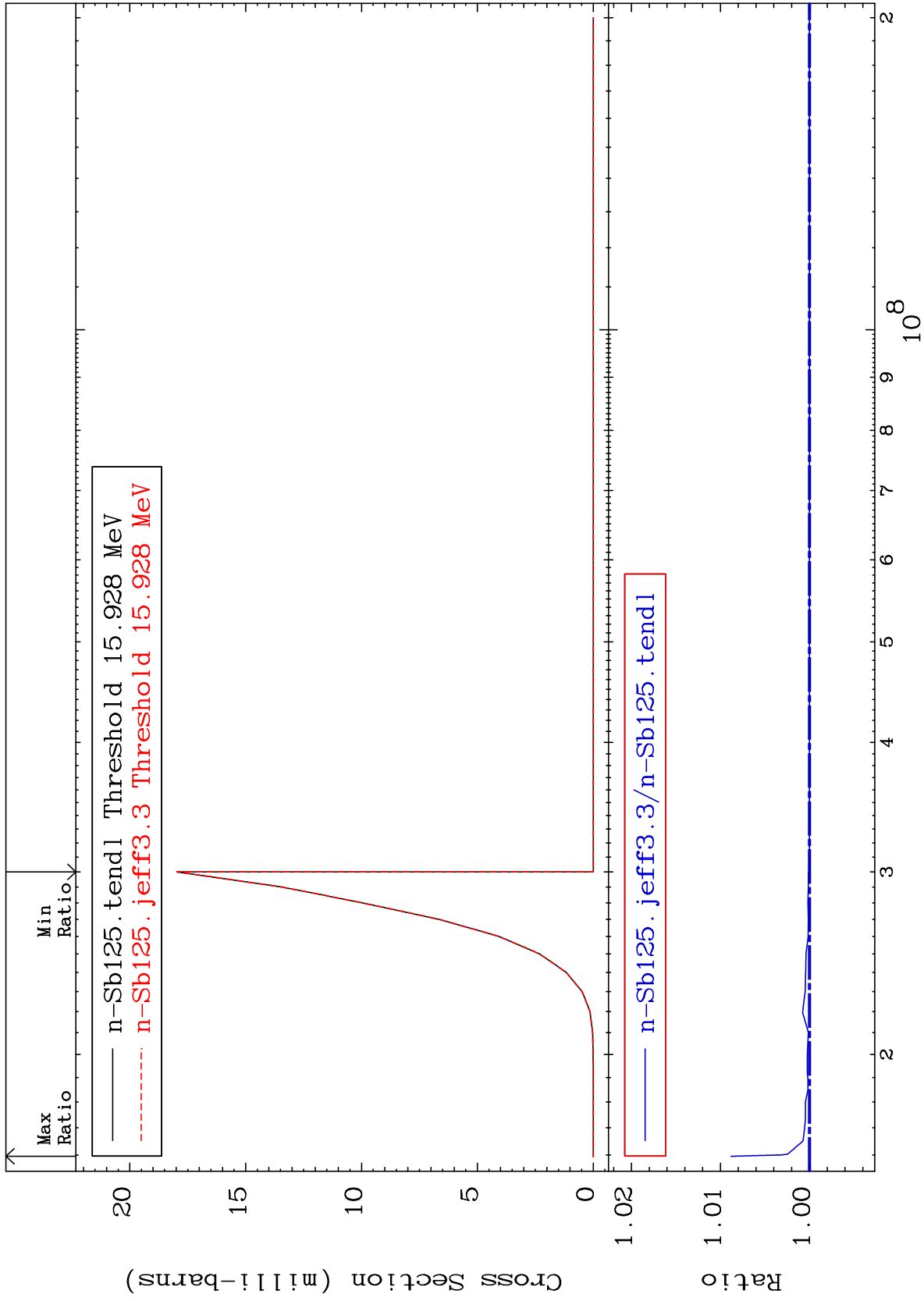
51-Sb-125

MAT 5137

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

51-Sb-125

Radionuclide Production Cross Section 0.000 To 0.883 %

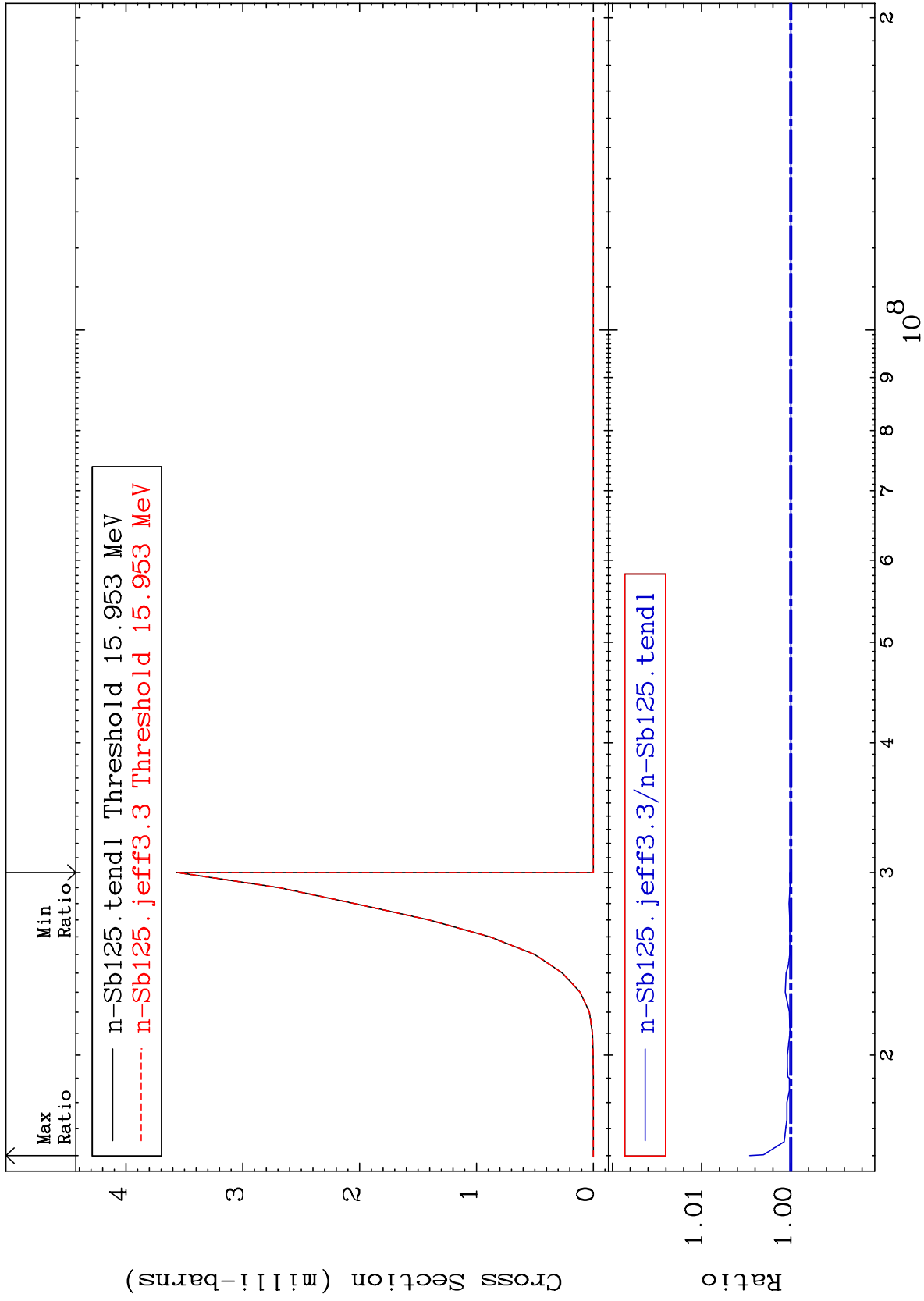


MAT 5137

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

51-Sb-125

Radionuclide Production Cross Section 0.000 To 0.462 %



MAT 5137

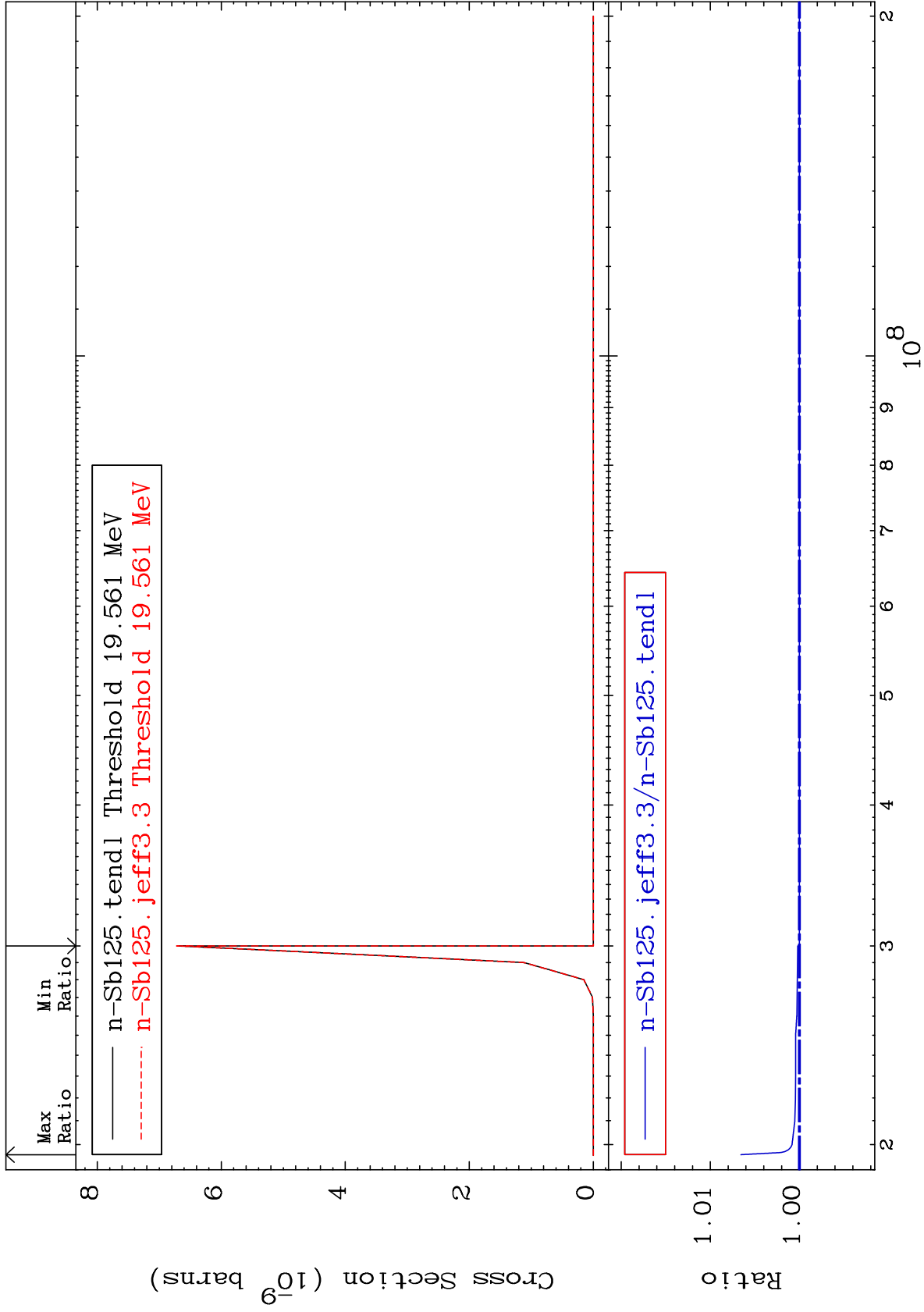
(n,2n) p:49-In-123g

51-Sb-125

Radionuclide Production Cross Section

0.000

To 0.657 %



93

Incident Energy (eV)

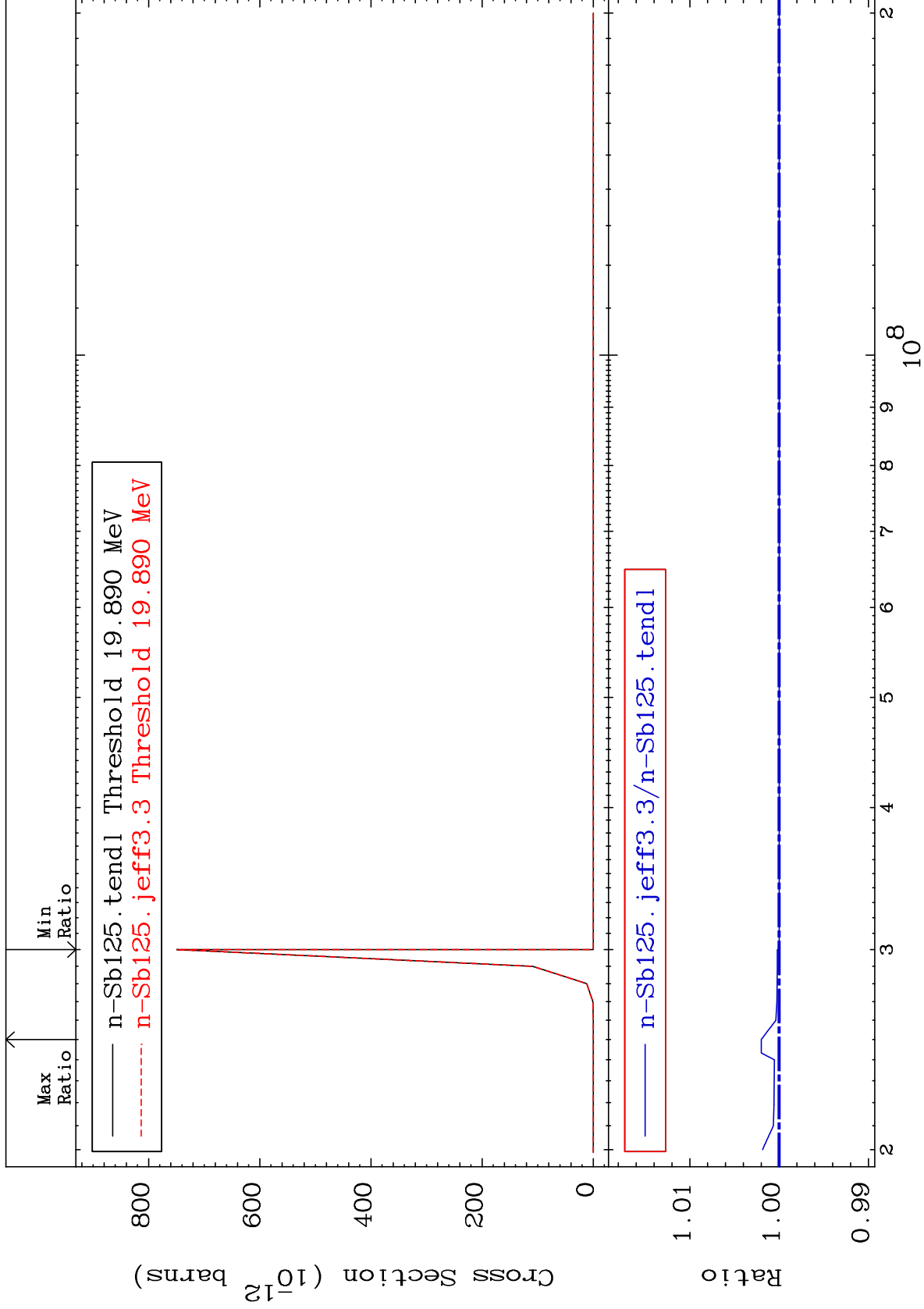
51-Sb-125

MAT 5137

(n,2n) p:49-In-123m1

51-Sb-125

Radionuclide Production Cross Section 0.000 To 0.201 %

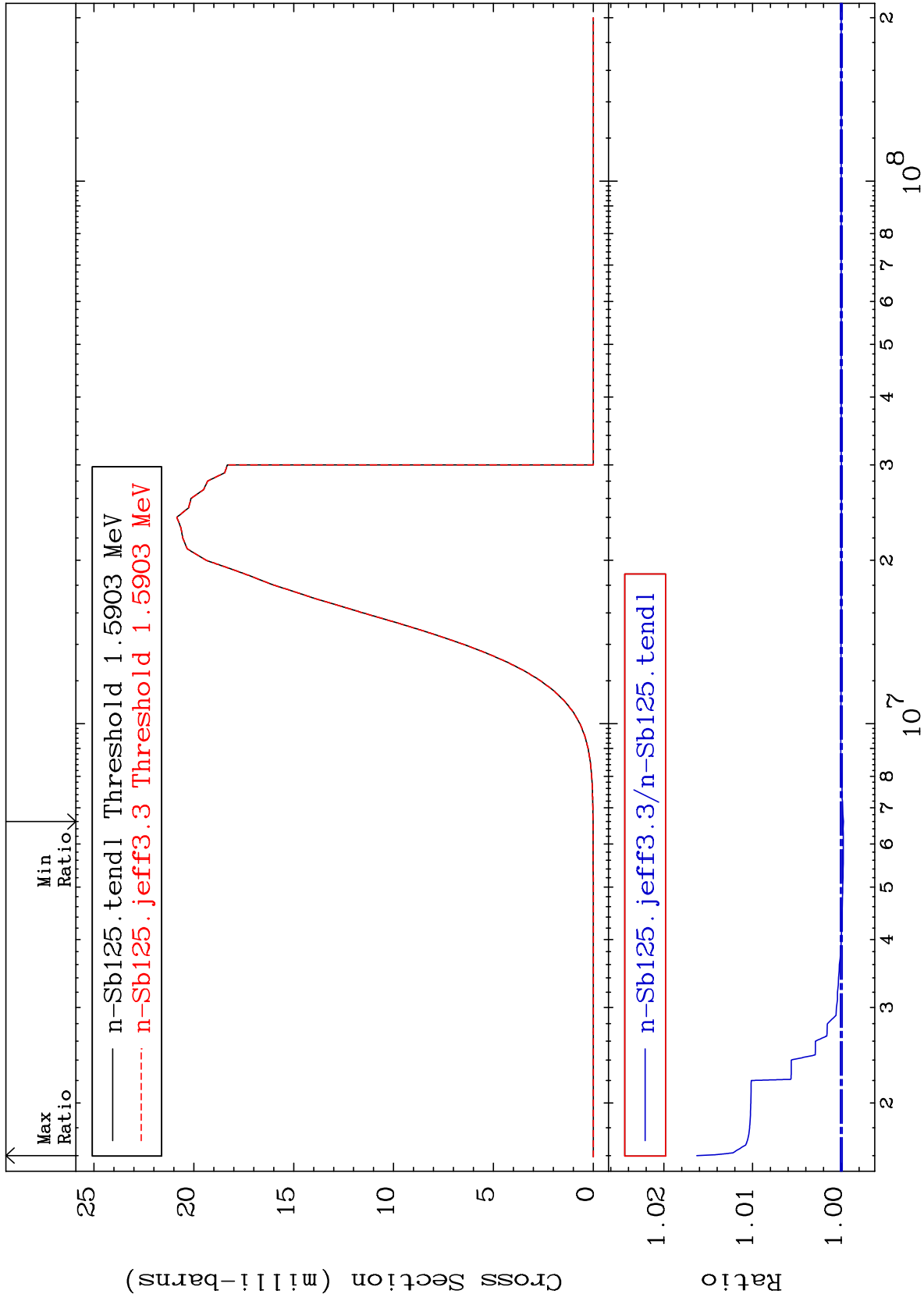


MAT 5137

51-Sb-125

(n, p) : 50-Sn-125g

Radionuclide Production Cross Section -0.025 To 1.629 %



95

Incident Energy (eV)

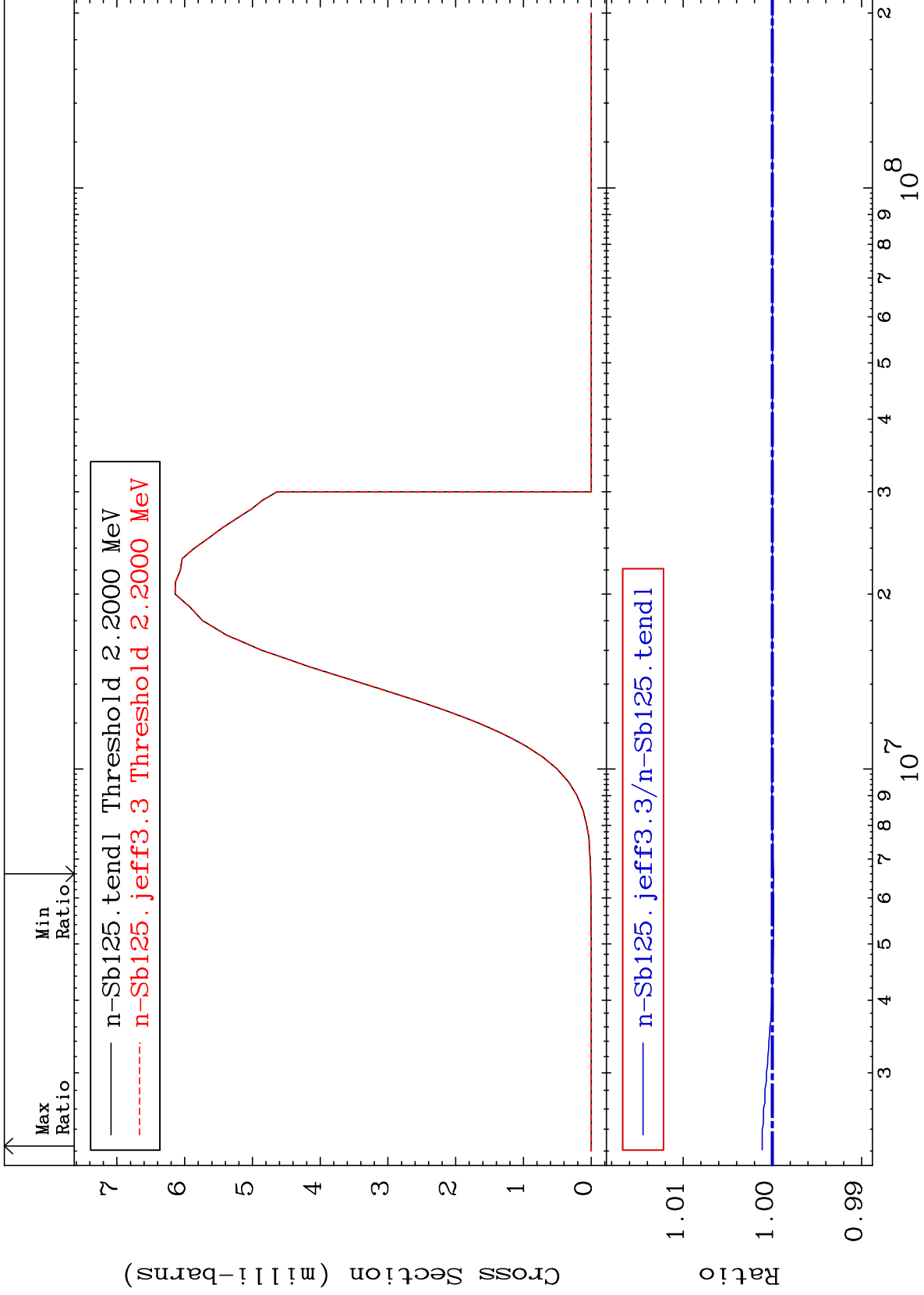
51-Sb-125

MAT 5137

(n, p) : 50-Sn-125m1

51-Sb-125

Radionuclide Production Cross Section -0.015 To 0.114 %

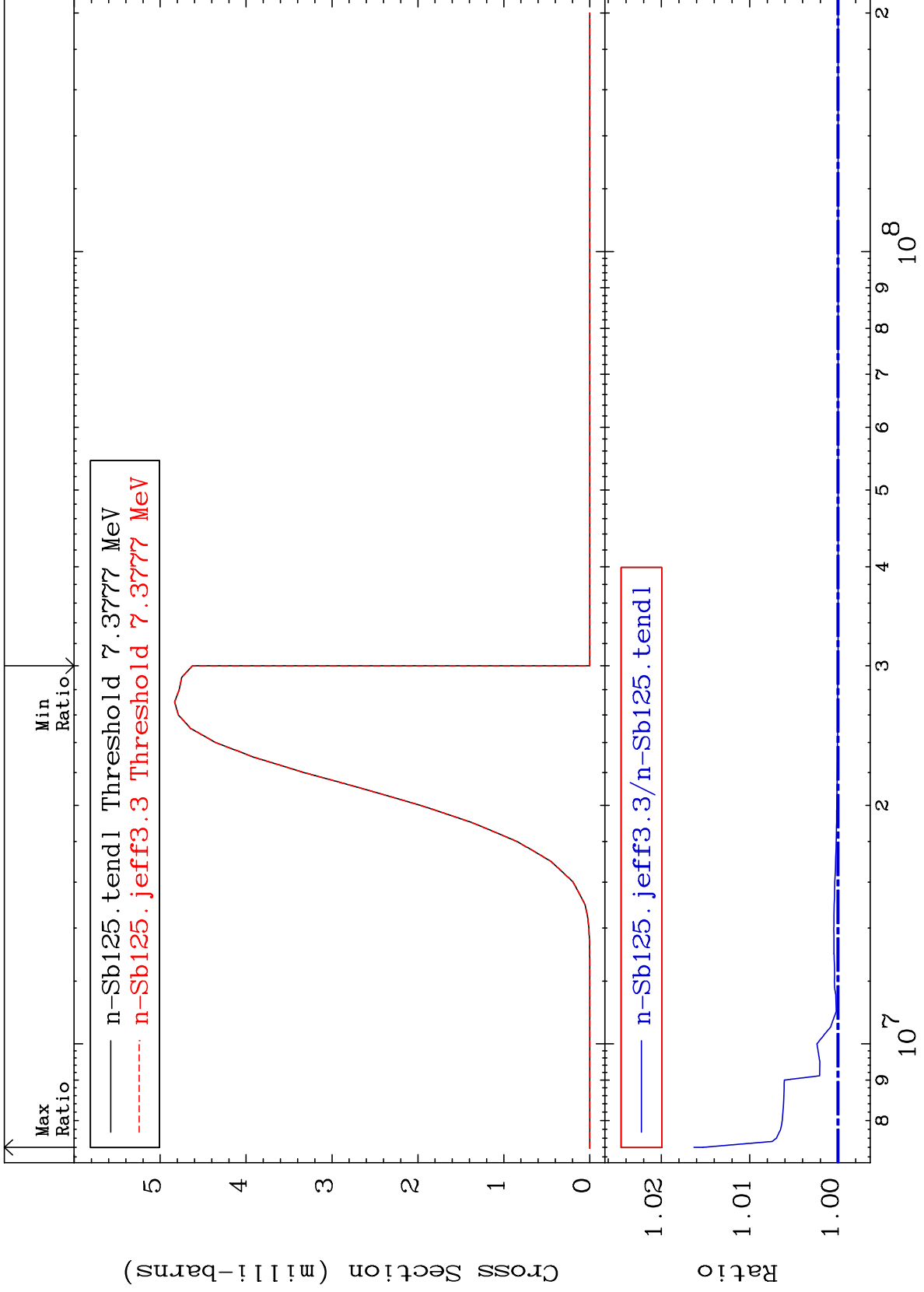


MAT 5137

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

51-Sb-125

Radionuclide Production Cross Section 0.000 To 1.630 %

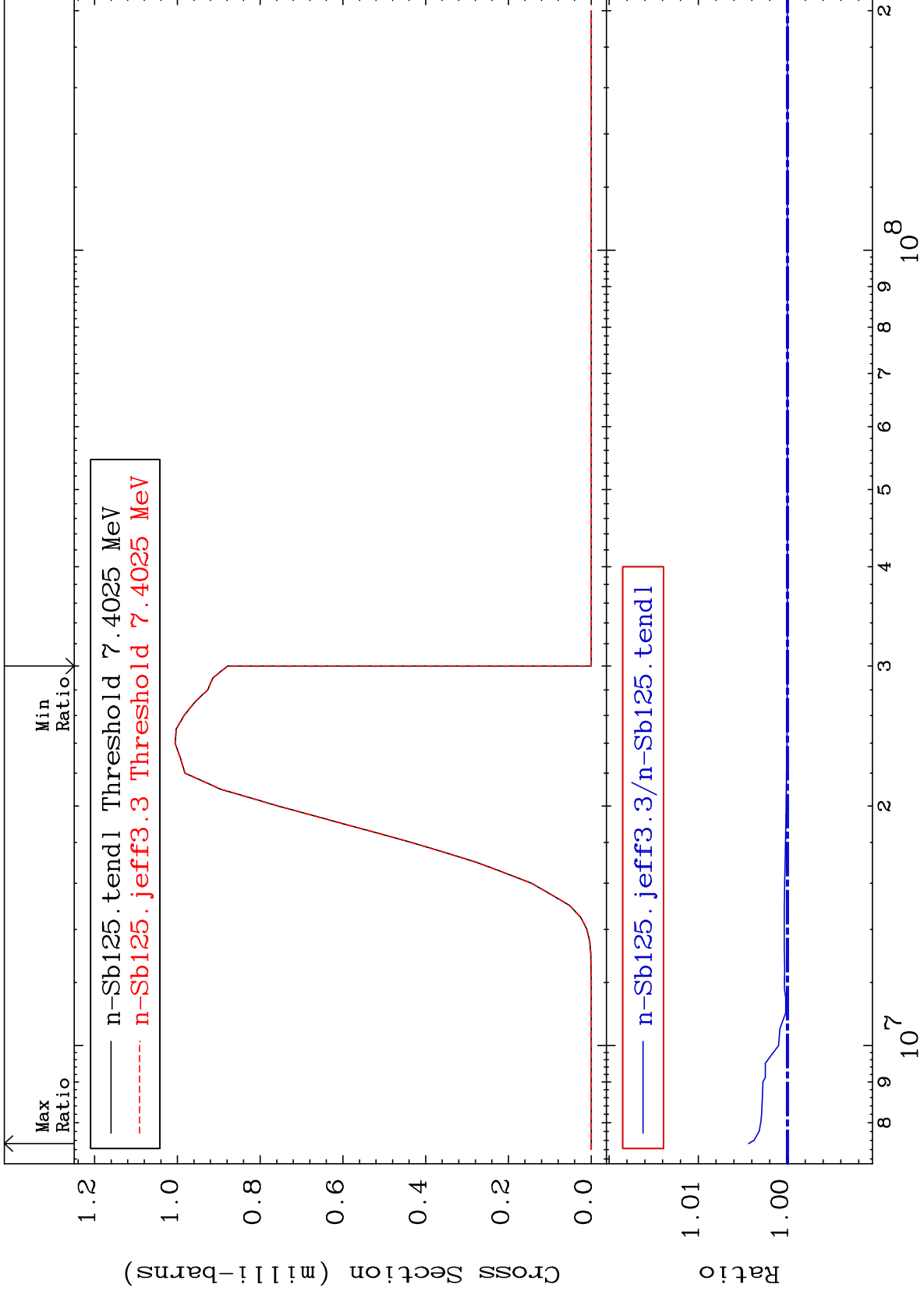


MAT 5137

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

51-Sb-125

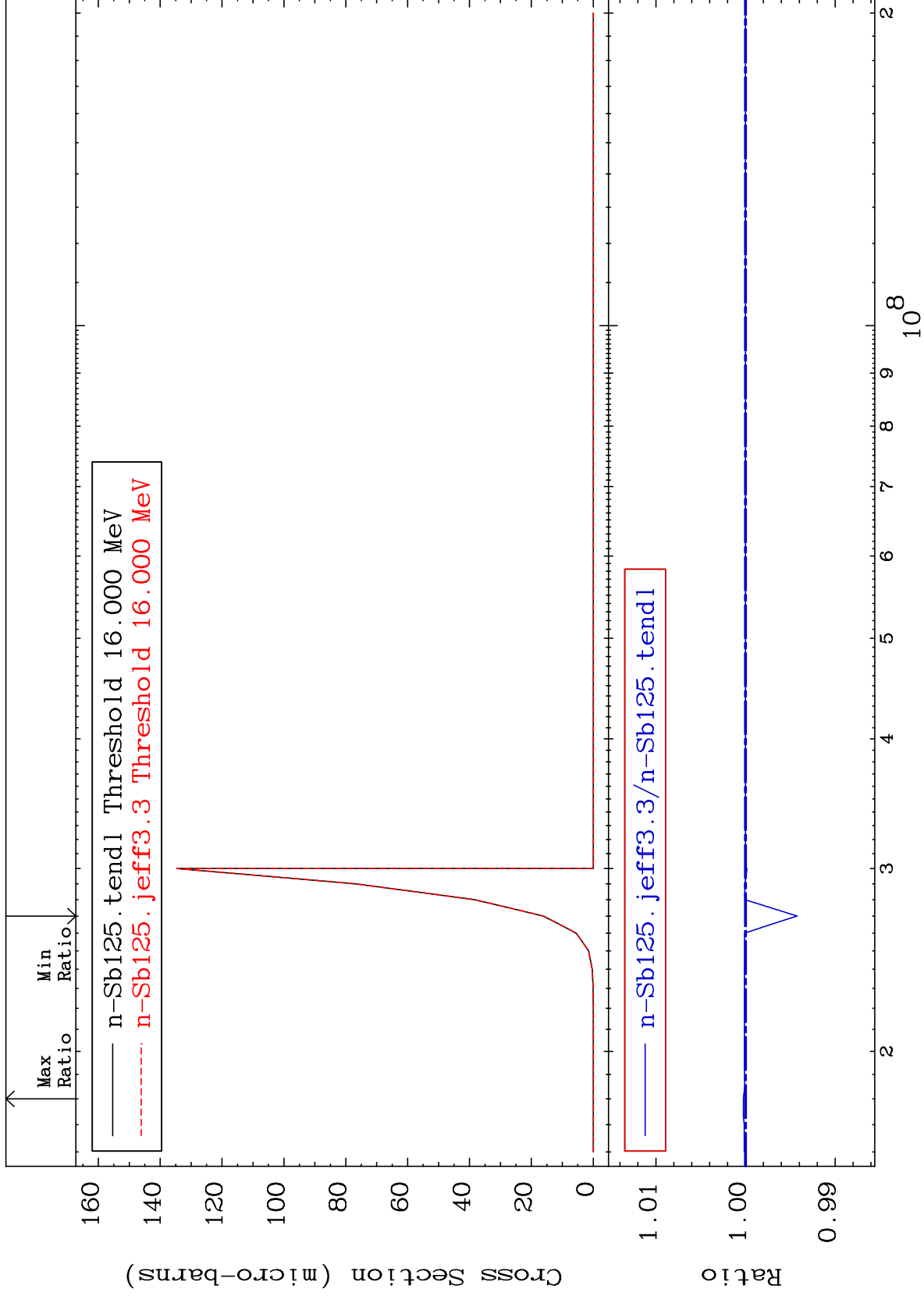
Radionuclide Production Cross Section 0.000 To 0.437 %



98

Incident Energy (eV)

51-Sb-125

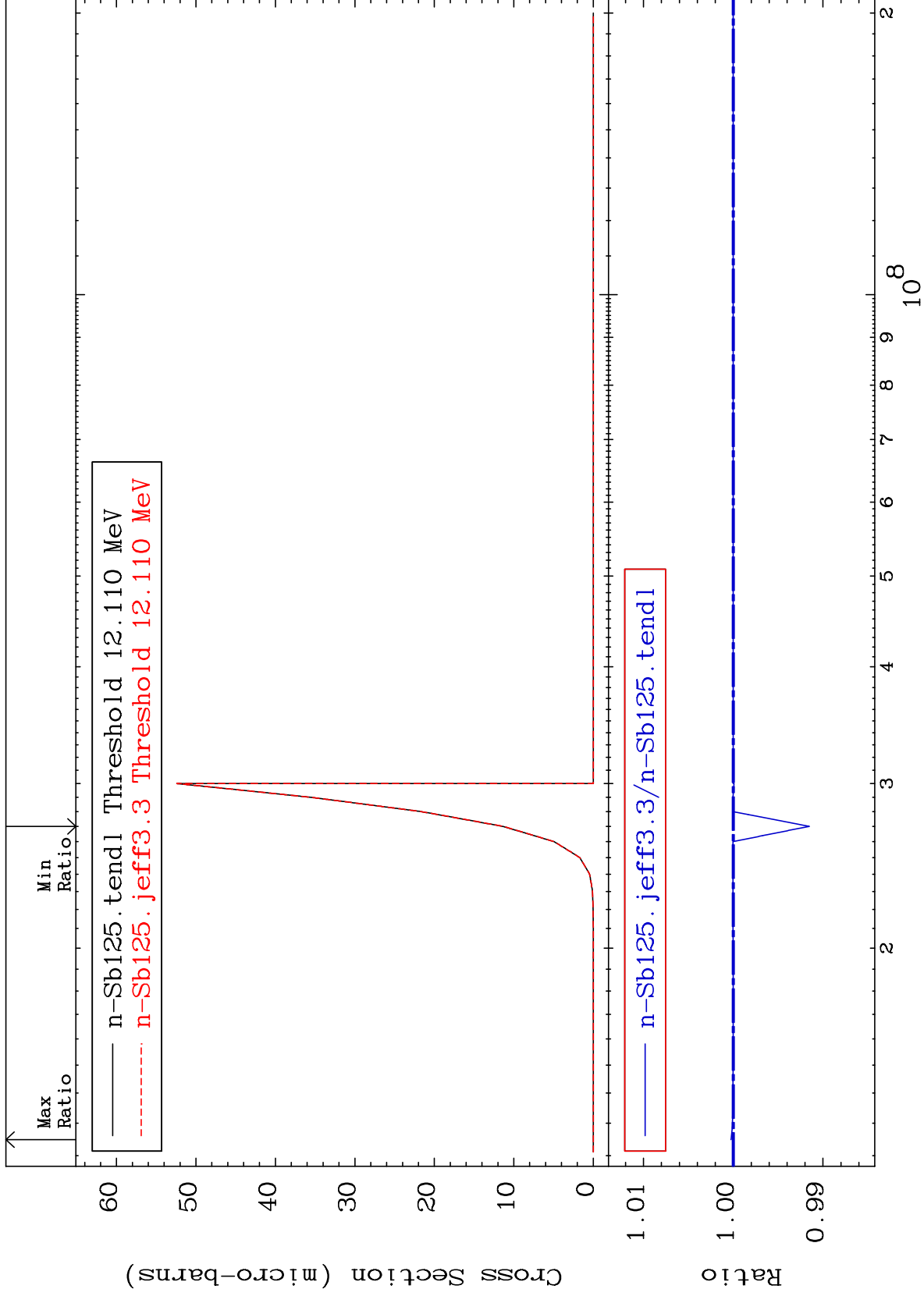


MAT 5137

(n,He-3) : 49-In-123m1

51-Sb-125

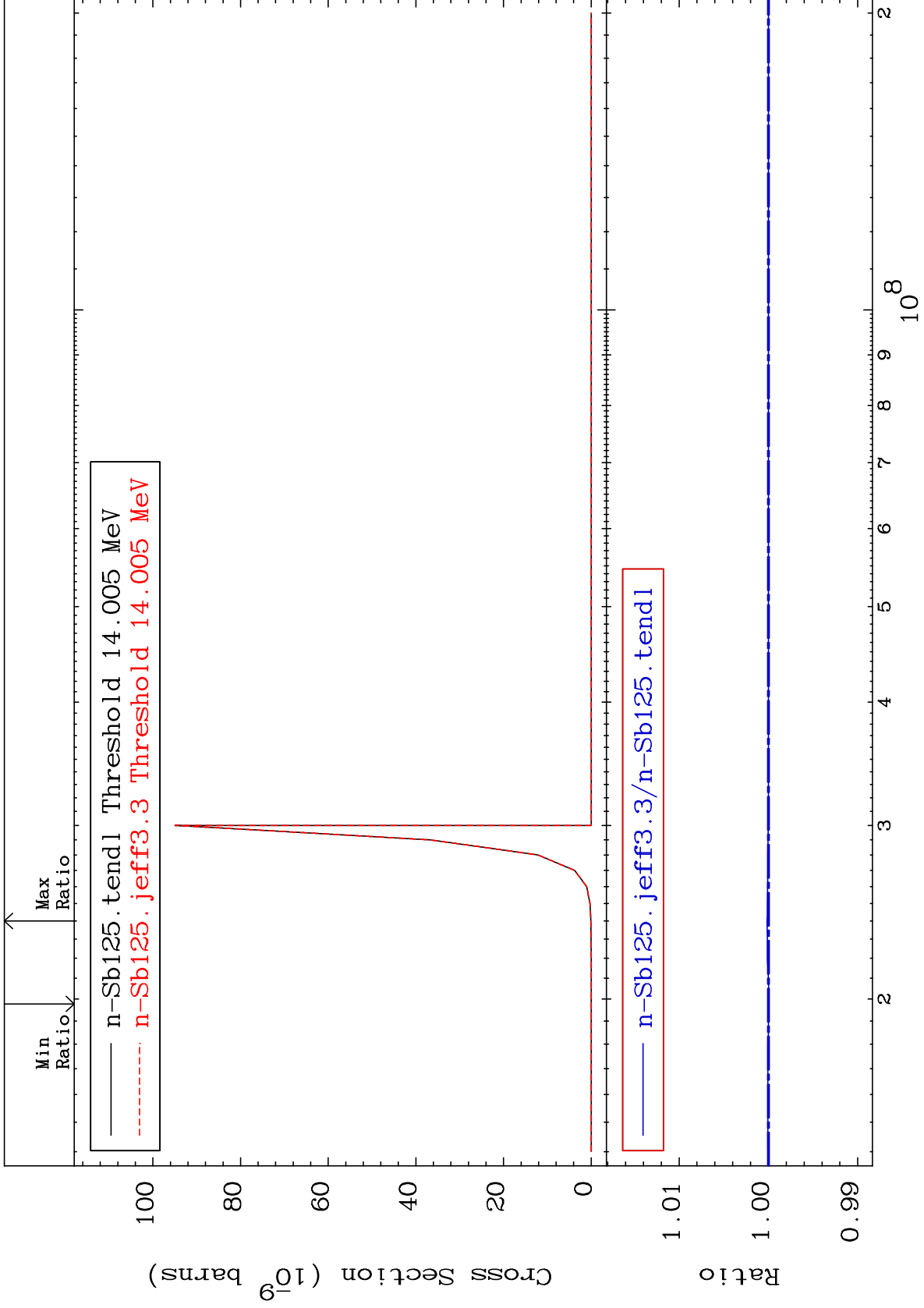
Radionuclide Production Cross Section -0.848 To 0.025 %



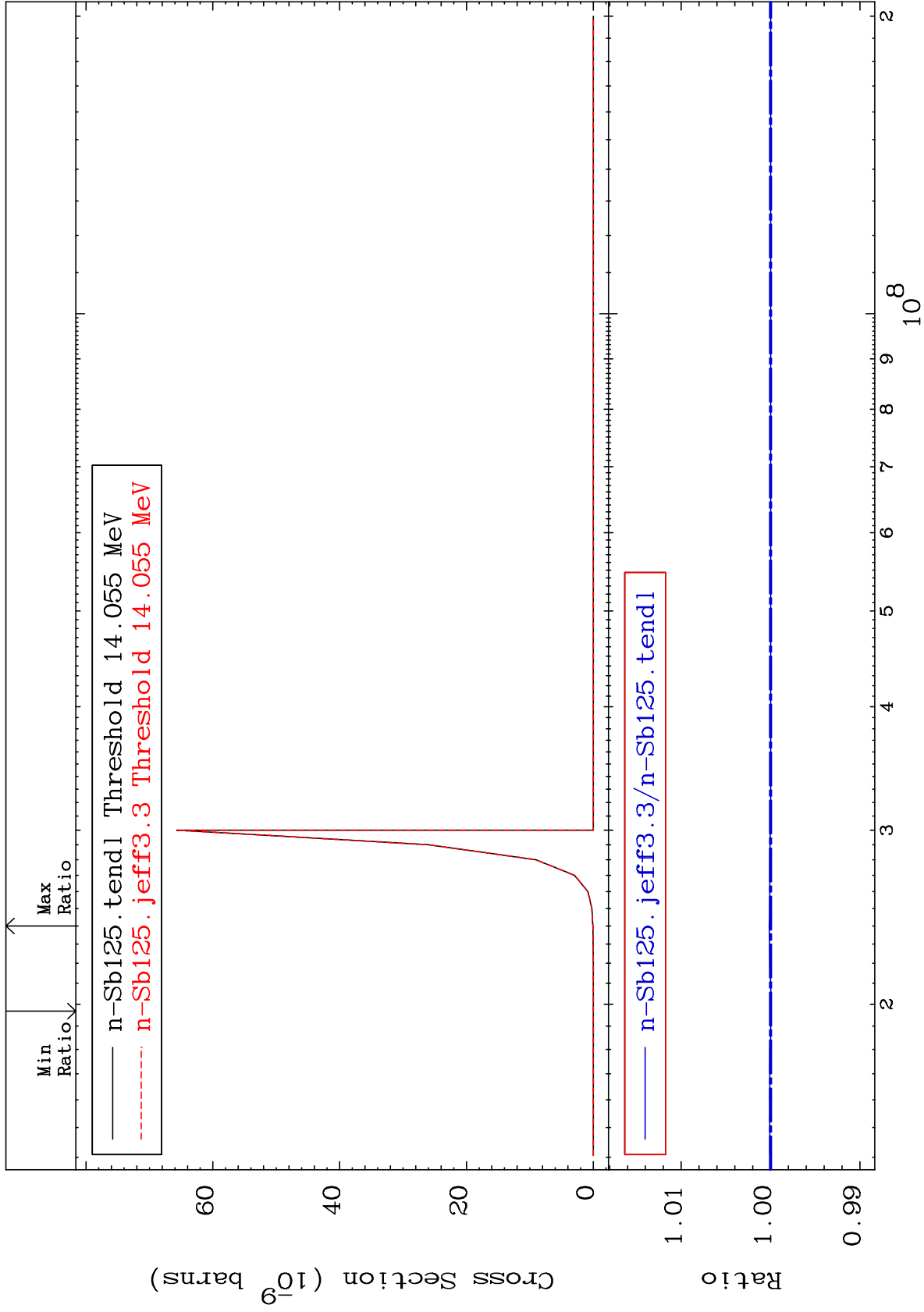
100

Incident Energy (eV)

51-Sb-125



Radionuclide Production Cross Section -0.006 To 0.015 %



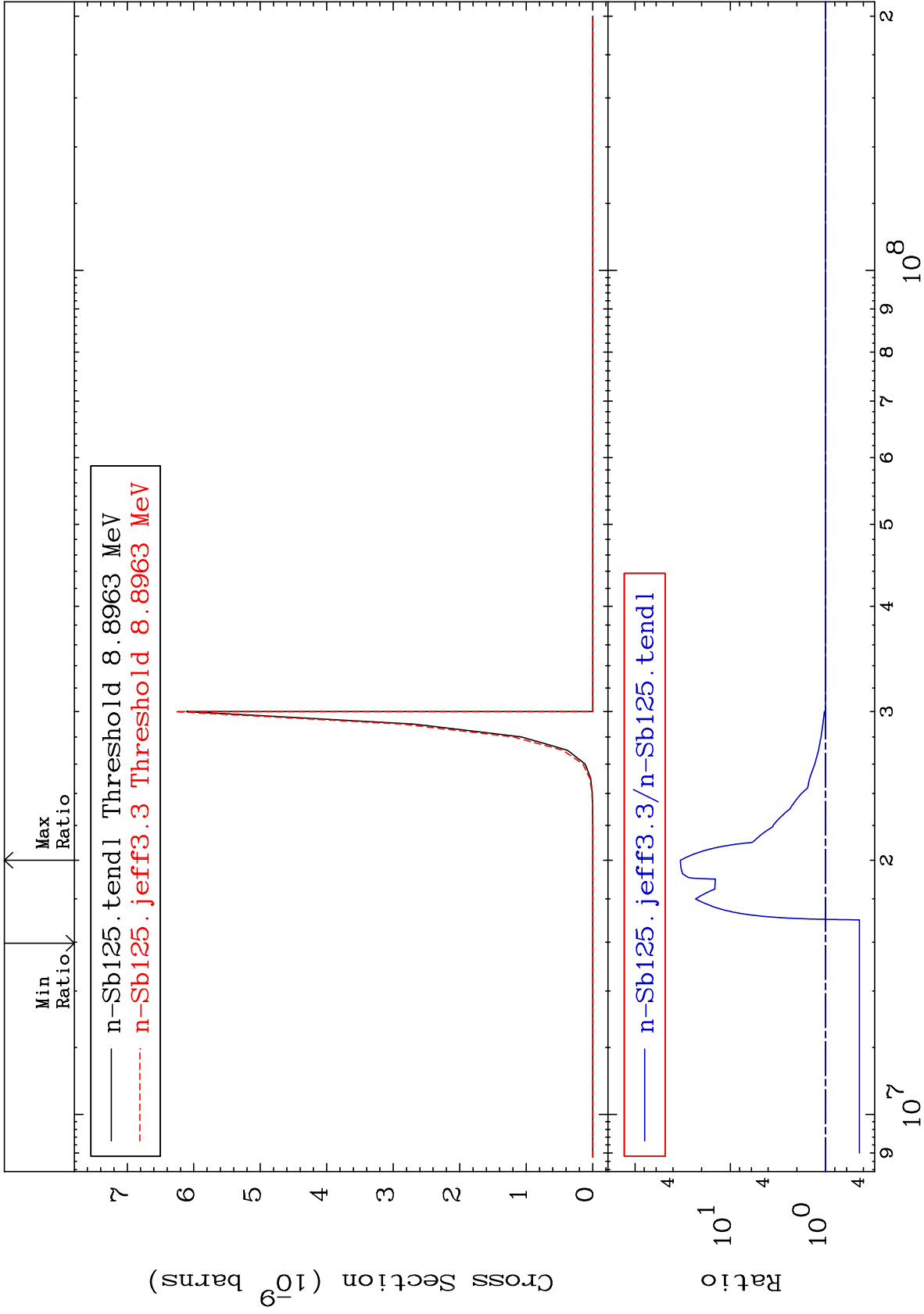
MAT 5137

(n, p) α : 48-Cd-121g

51-Sb-125

Radionuclide Production Cross Section

-55.93 To 3242. %



103

51-Sb-125

51-Sb-125

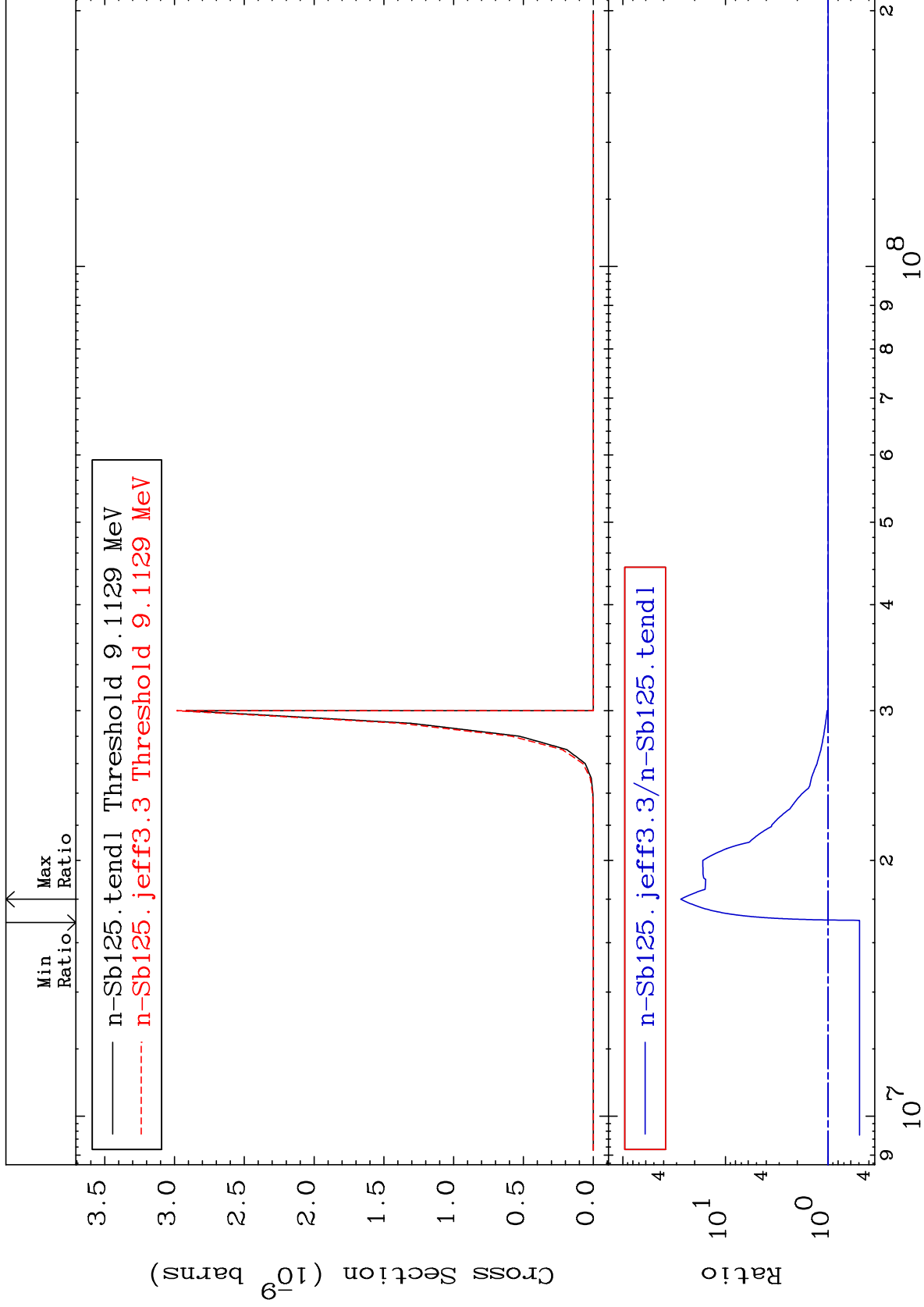
MAT 5137

(n, p) α : 48-Cd-121m2

51-Sb-125

Radionuclide Production Cross Section

-50.59 To 2629. %



104

Incident Energy (eV)

51-Sb-125