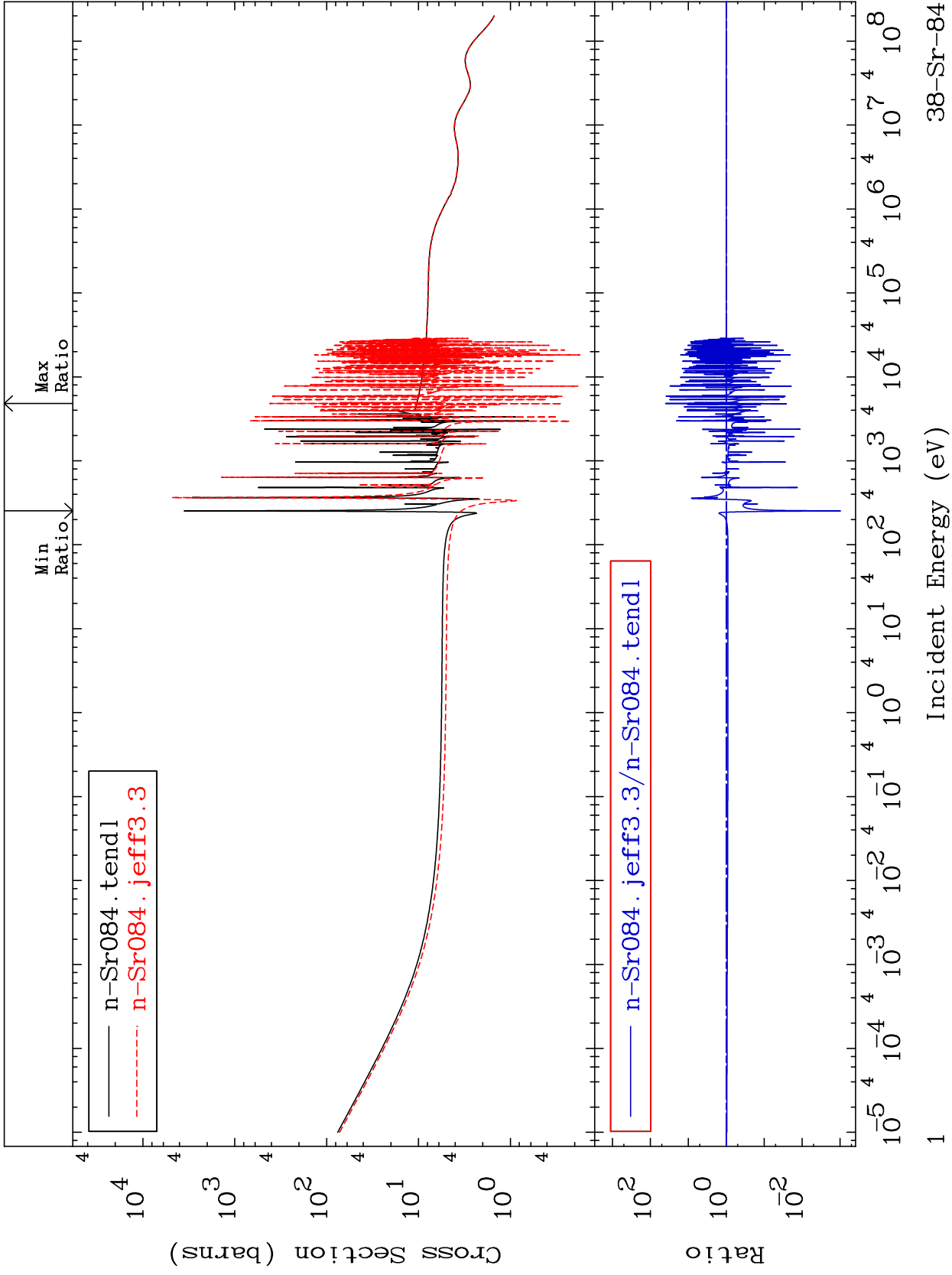


MAT 3825

Total Cross Section
38-Sr-84
-99.90 To 3874. %



38-Sr-84

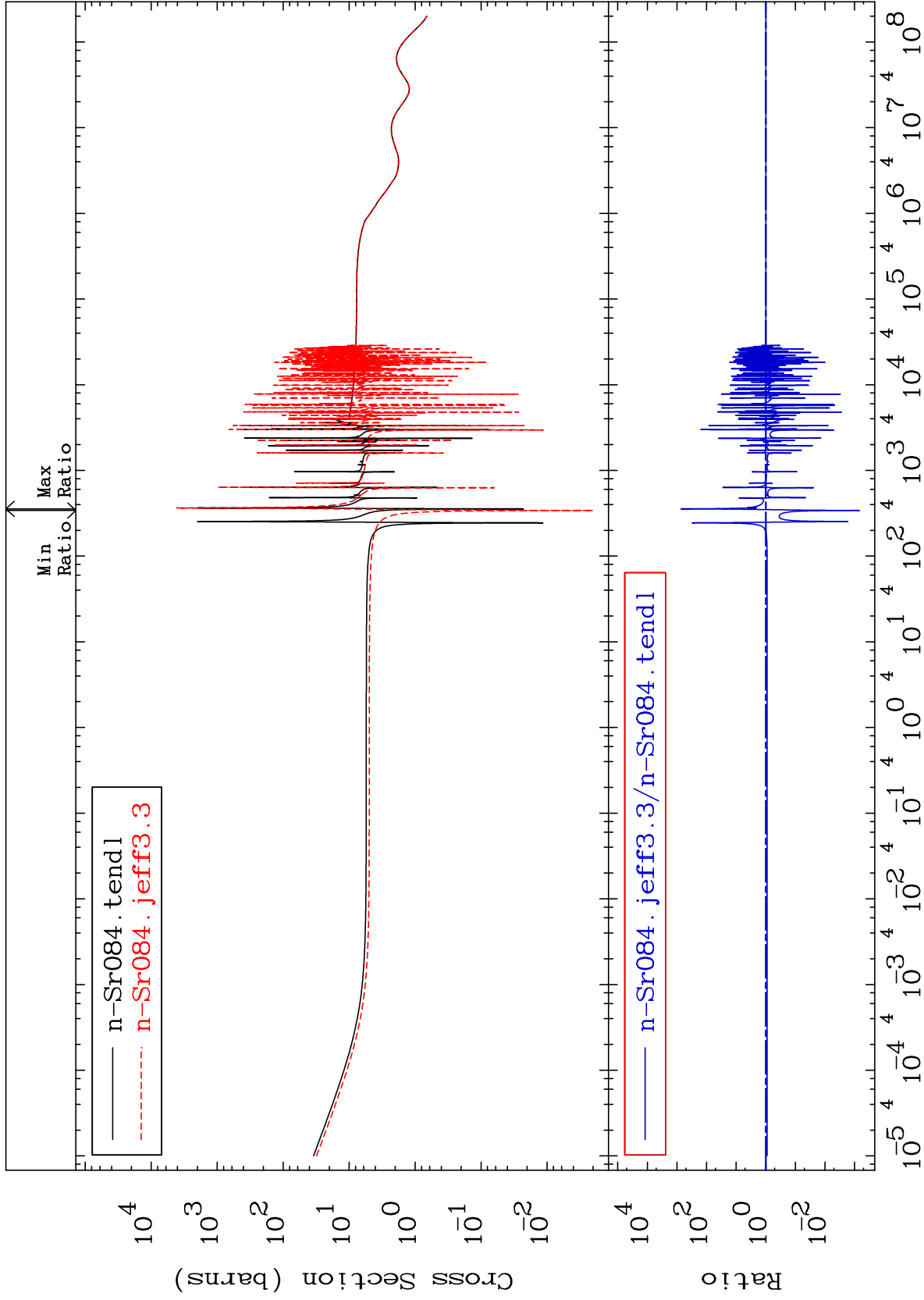
MAT 3825

Elastic

38-Sr-84

Cross Section

-99.93 To 9999. %

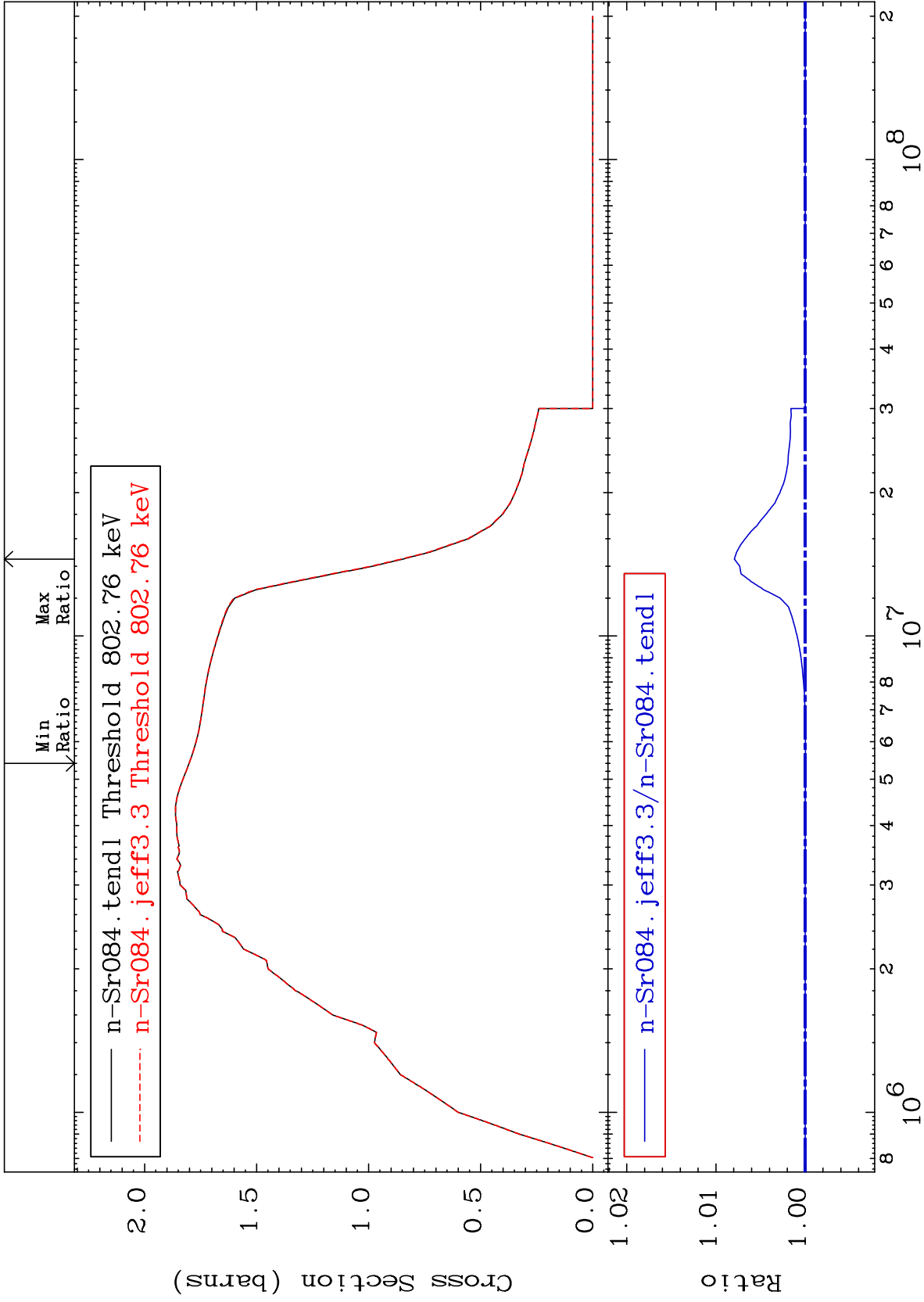


MAT 3825

38-Sr-84

Inelastic
Cross Section

-0.004 To 0.794 %



3

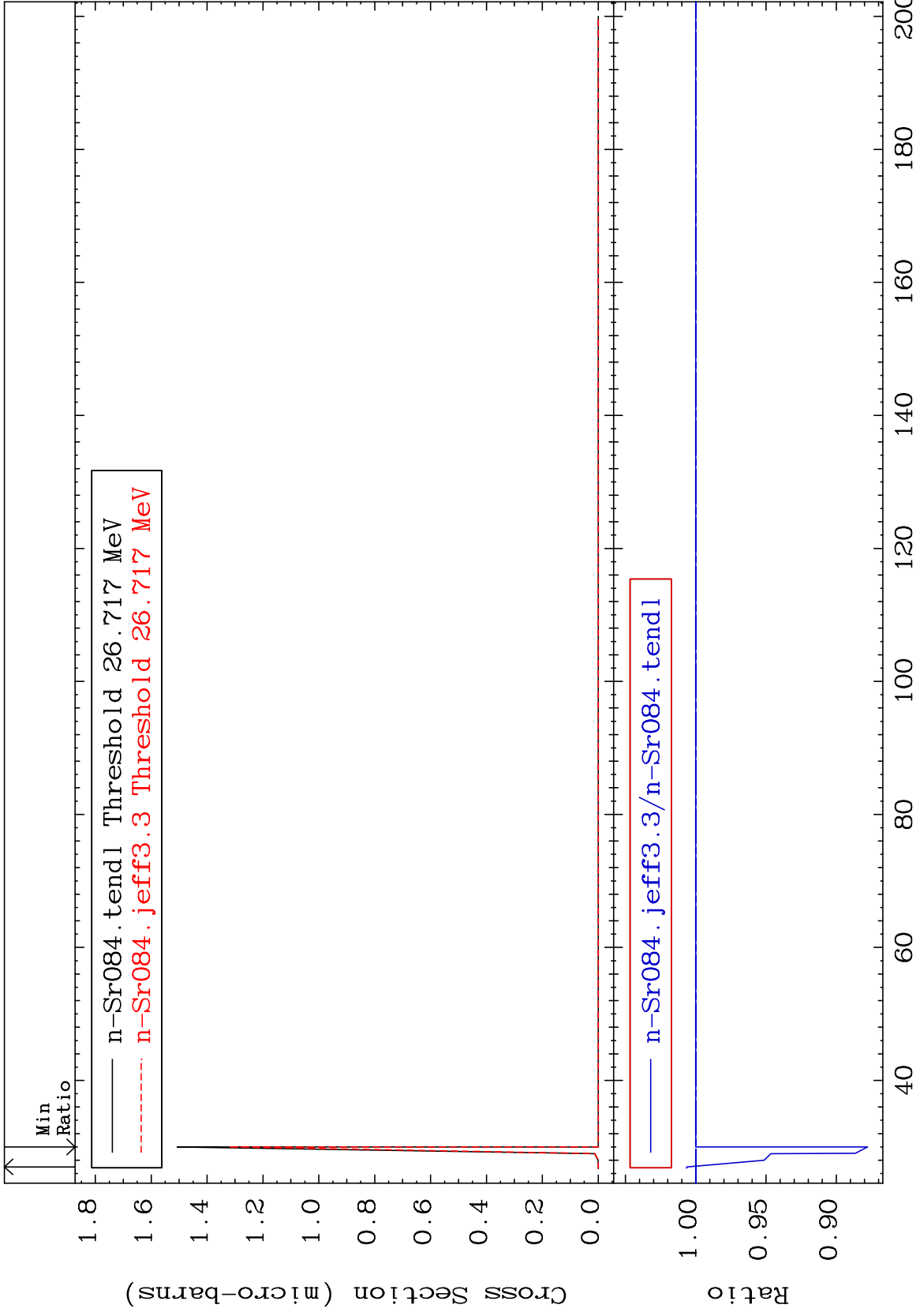
Incident Energy (eV)

38-Sr-84

MAT 3825

(n,2n) d
Cross Section

38-Sr-84
-12.21 To 0.646 %

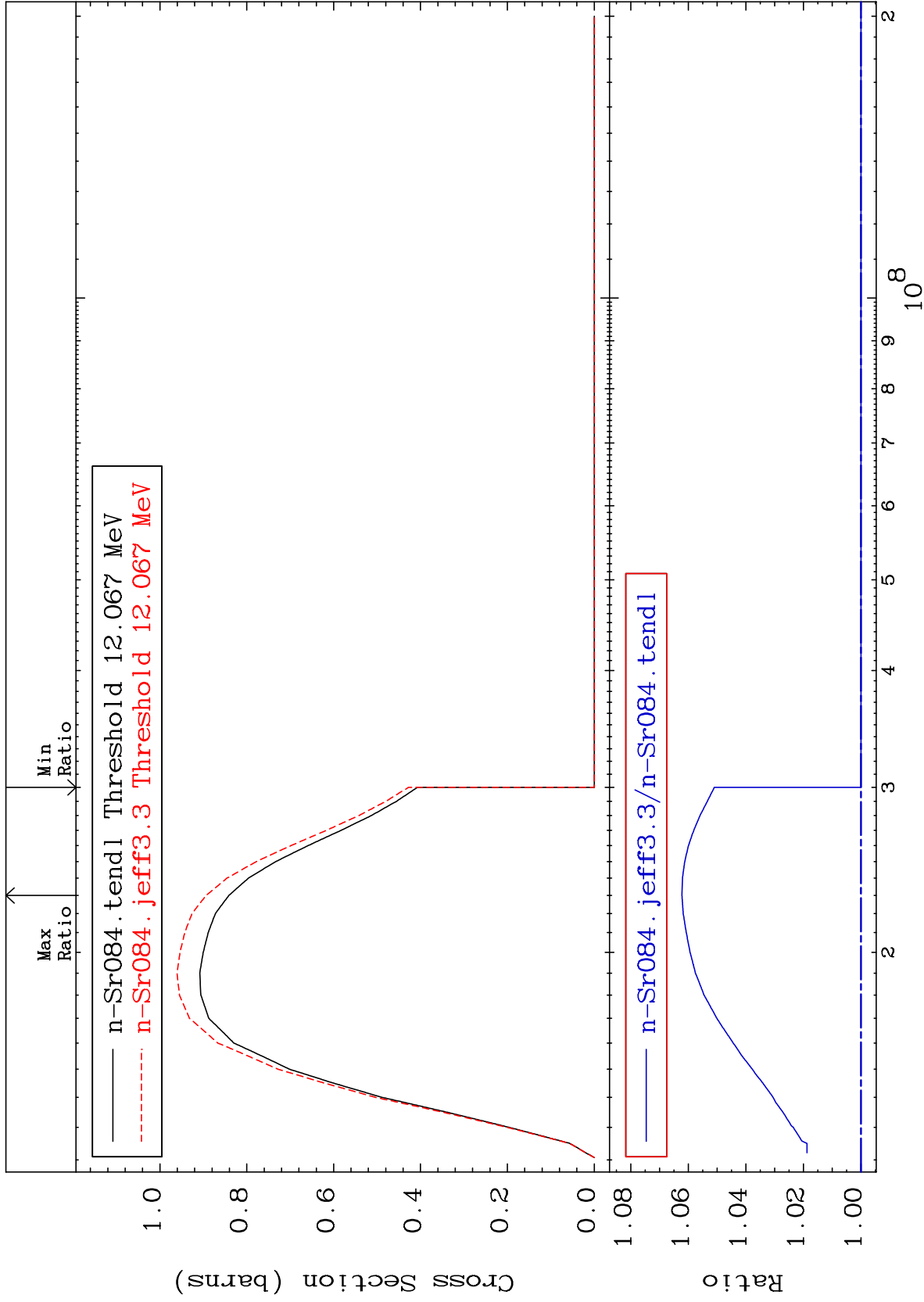


MAT 3825

38-Sr-84

(n,2n)
Cross Section

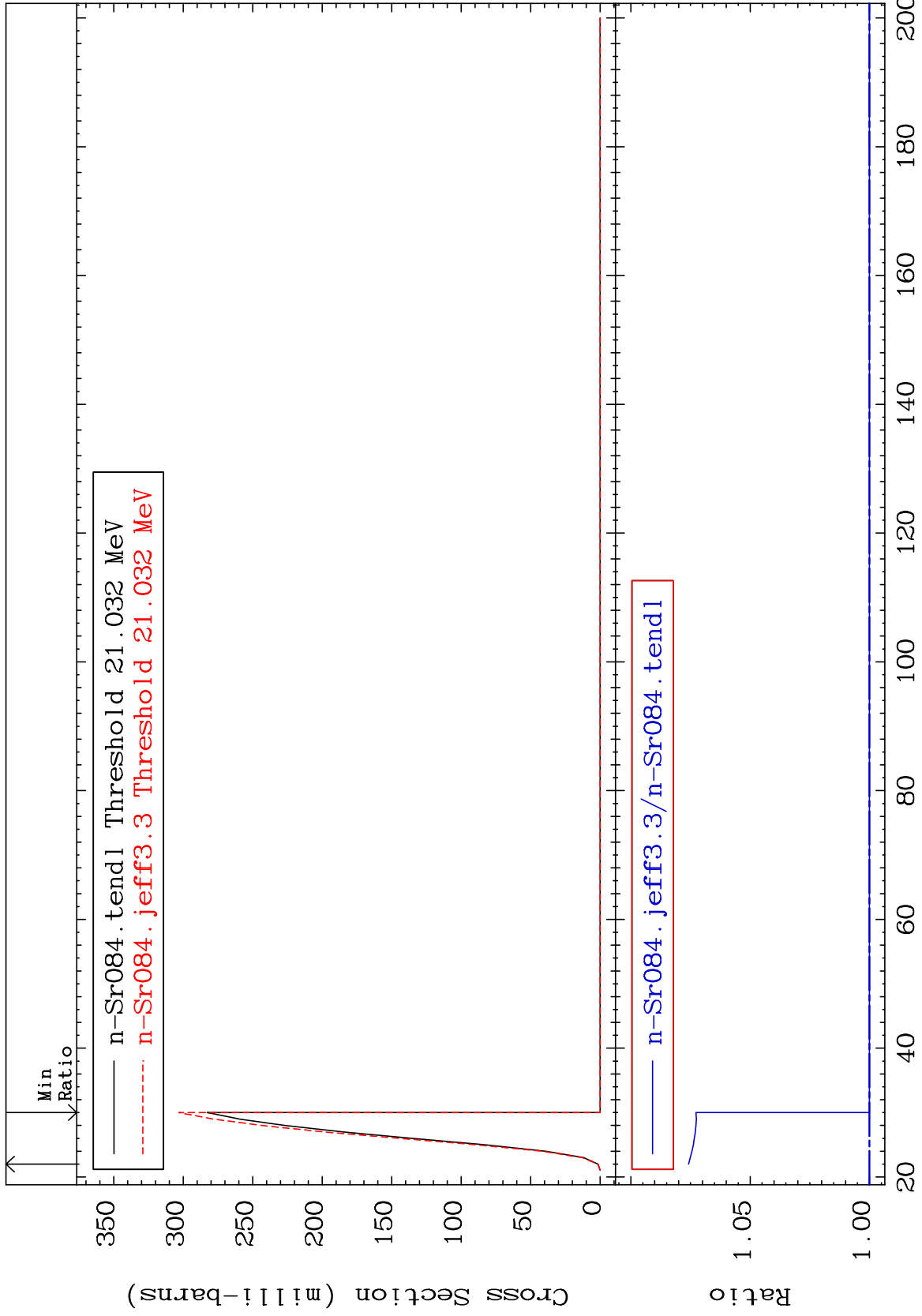
0.000 To 6.221 %



MAT 3825

(n,3n)
Cross Section

38-Sr-84
0.000 To 7.580 %



Incident Energy (MeV)

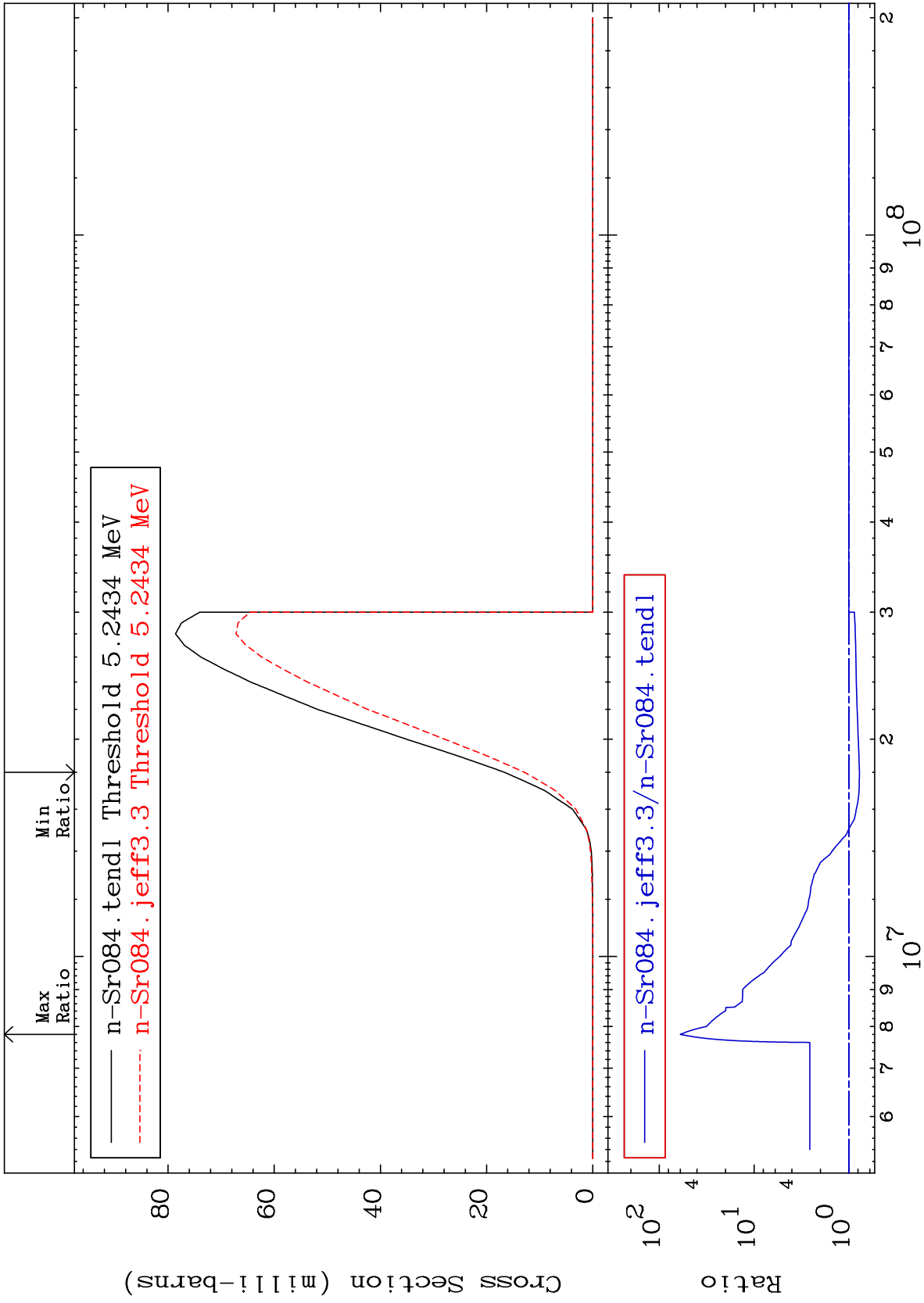
38-Sr-84

6

MAT 3825

(n, n') α
Cross Section

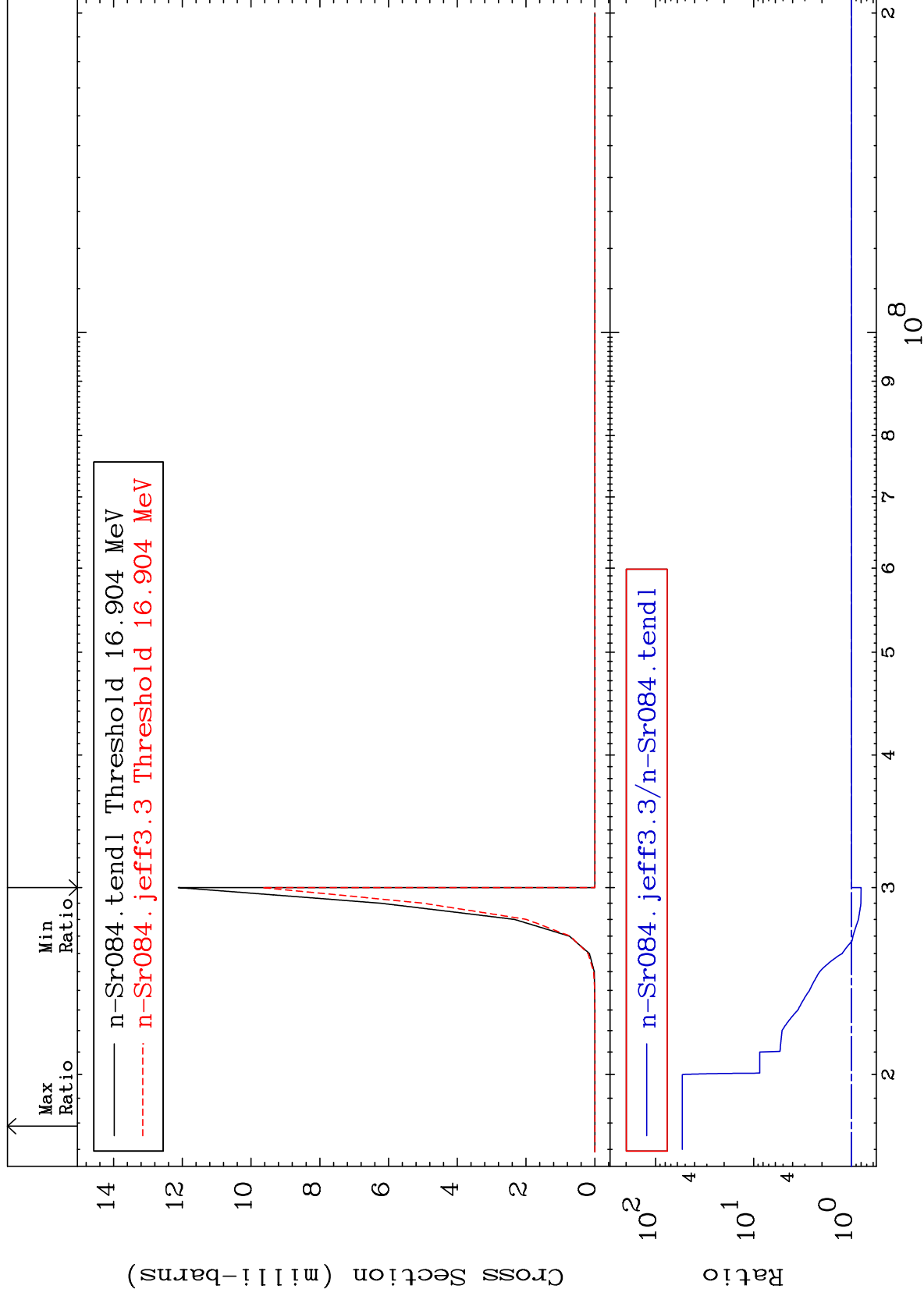
38-Sr-84
-22.65 To 5901. %



MAT 3825

(n,2n) α
Cross Section

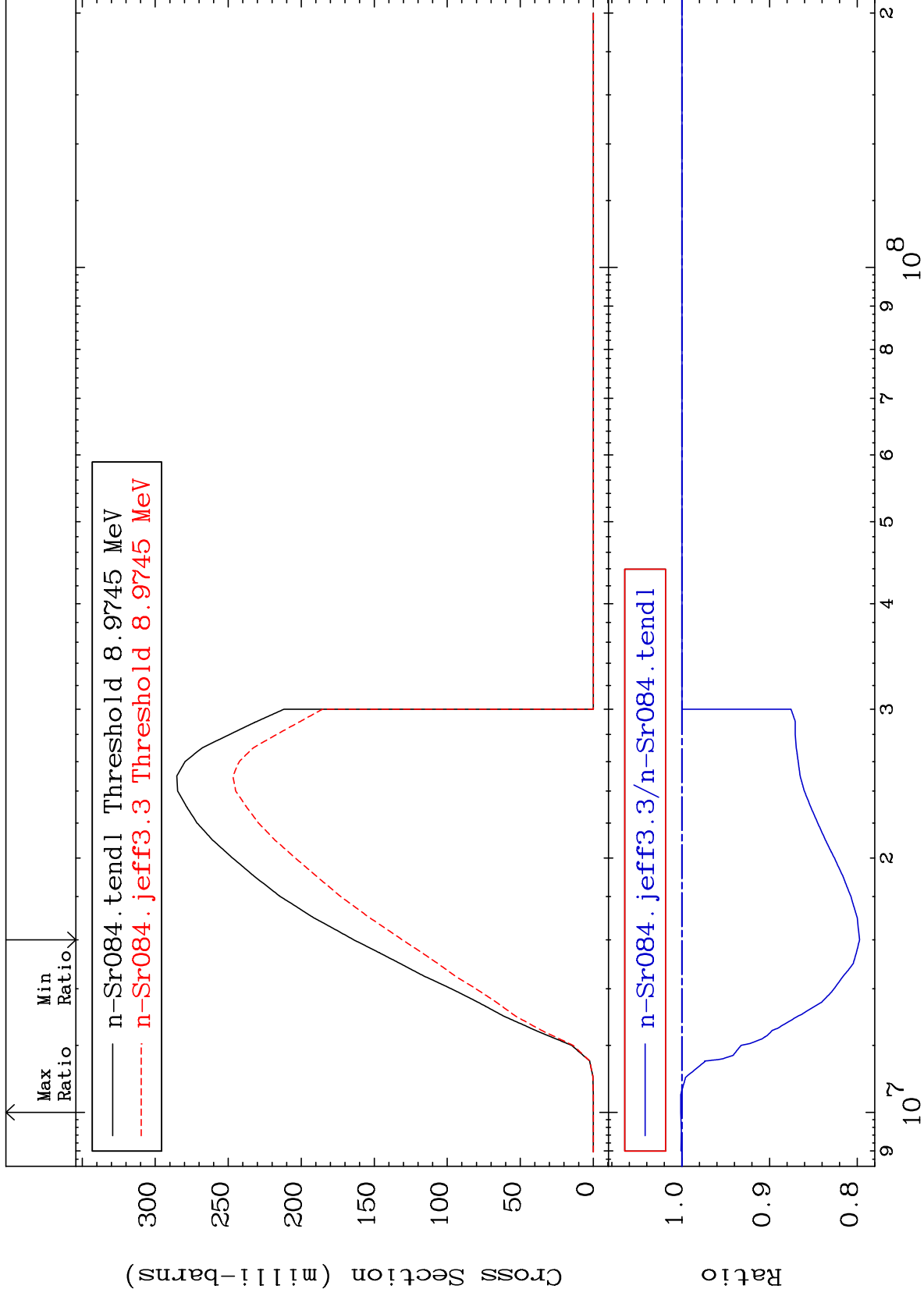
38-Sr-84
-20.12 To 5238. %



MAT 3825

(n,n') p
Cross Section

38-Sr-84
-20.27 To 0.129 %



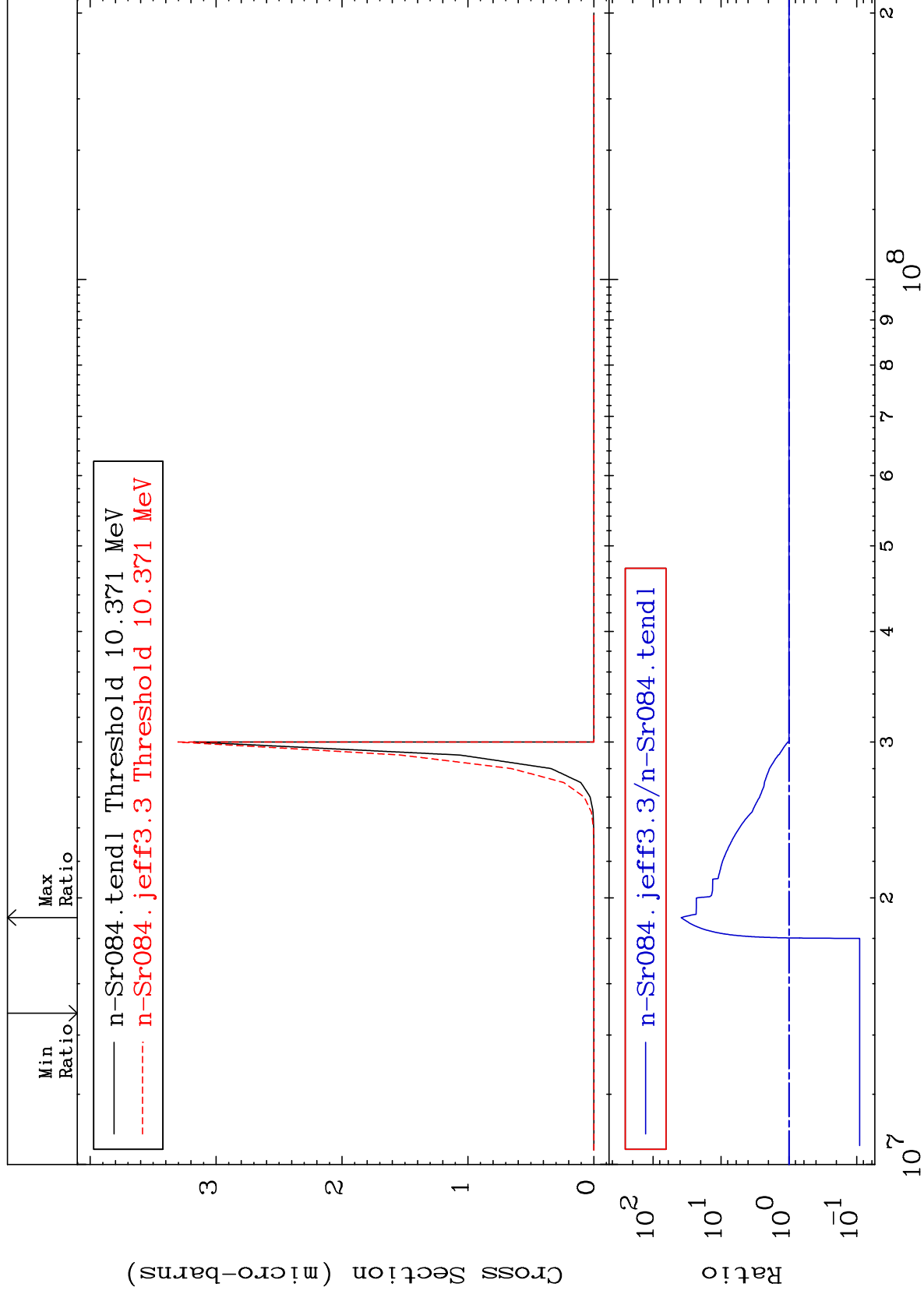
38-Sr-84

38-Sr-84

MAT 3825

(n, n') 2 α
Cross Section

38-Sr-84
-90.92 To 3767. %



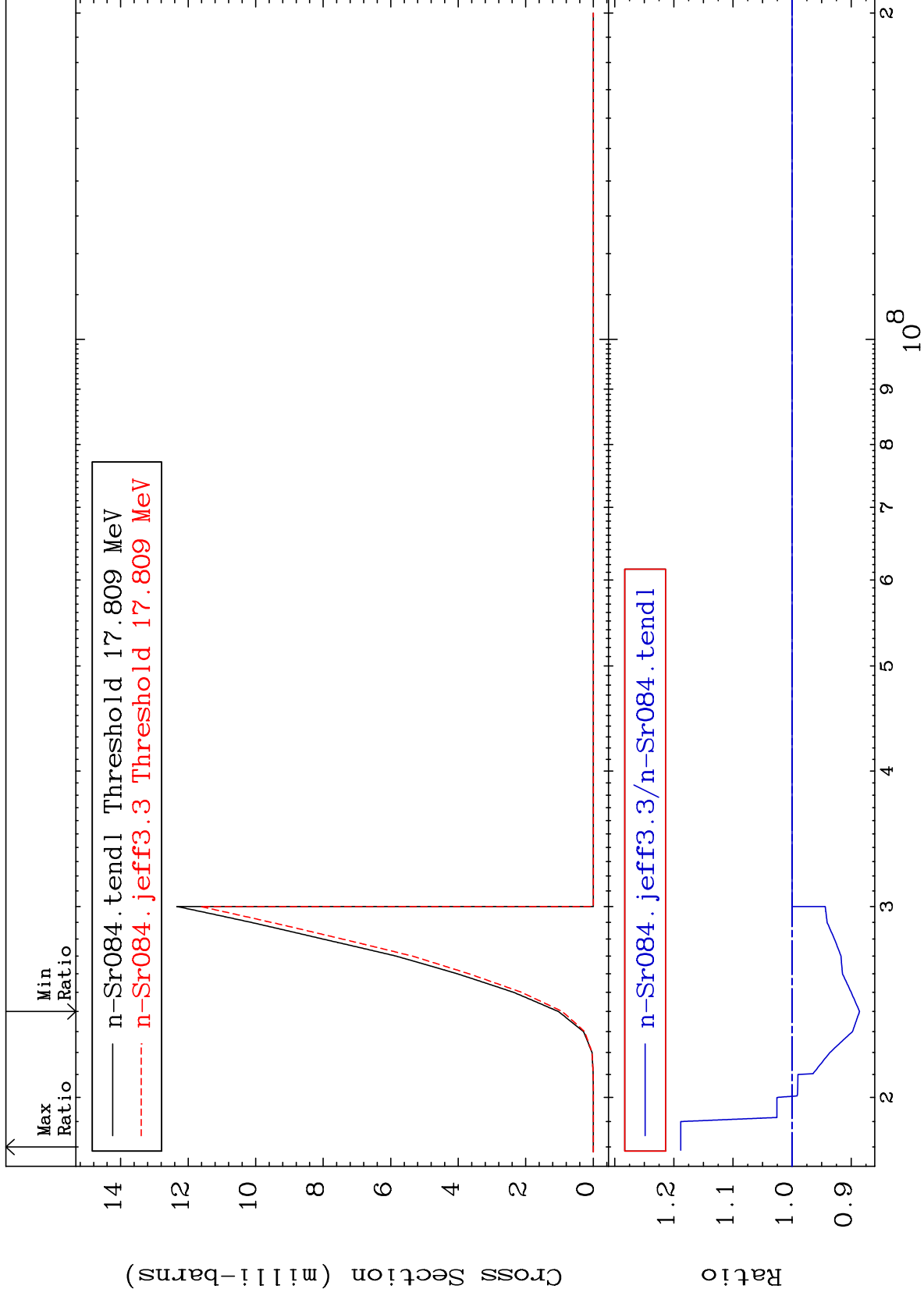
38-Sr-84

Incident Energy (eV)

10

Cross Section

-11.43 To 18.81 %



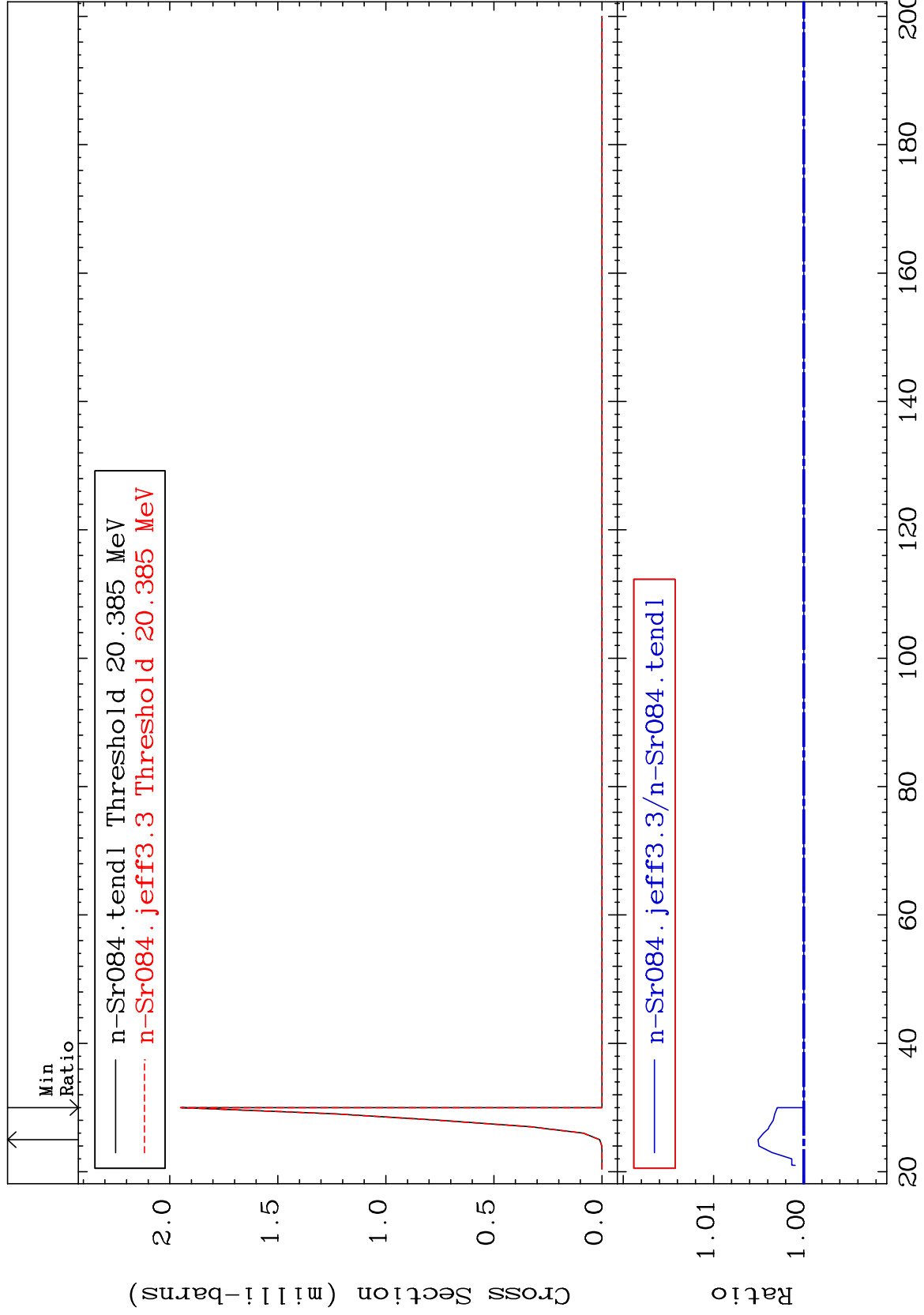
MAT 3825

(n,n') t

³⁸Sr-84

Cross Section

0.000 To 0.506 %



12

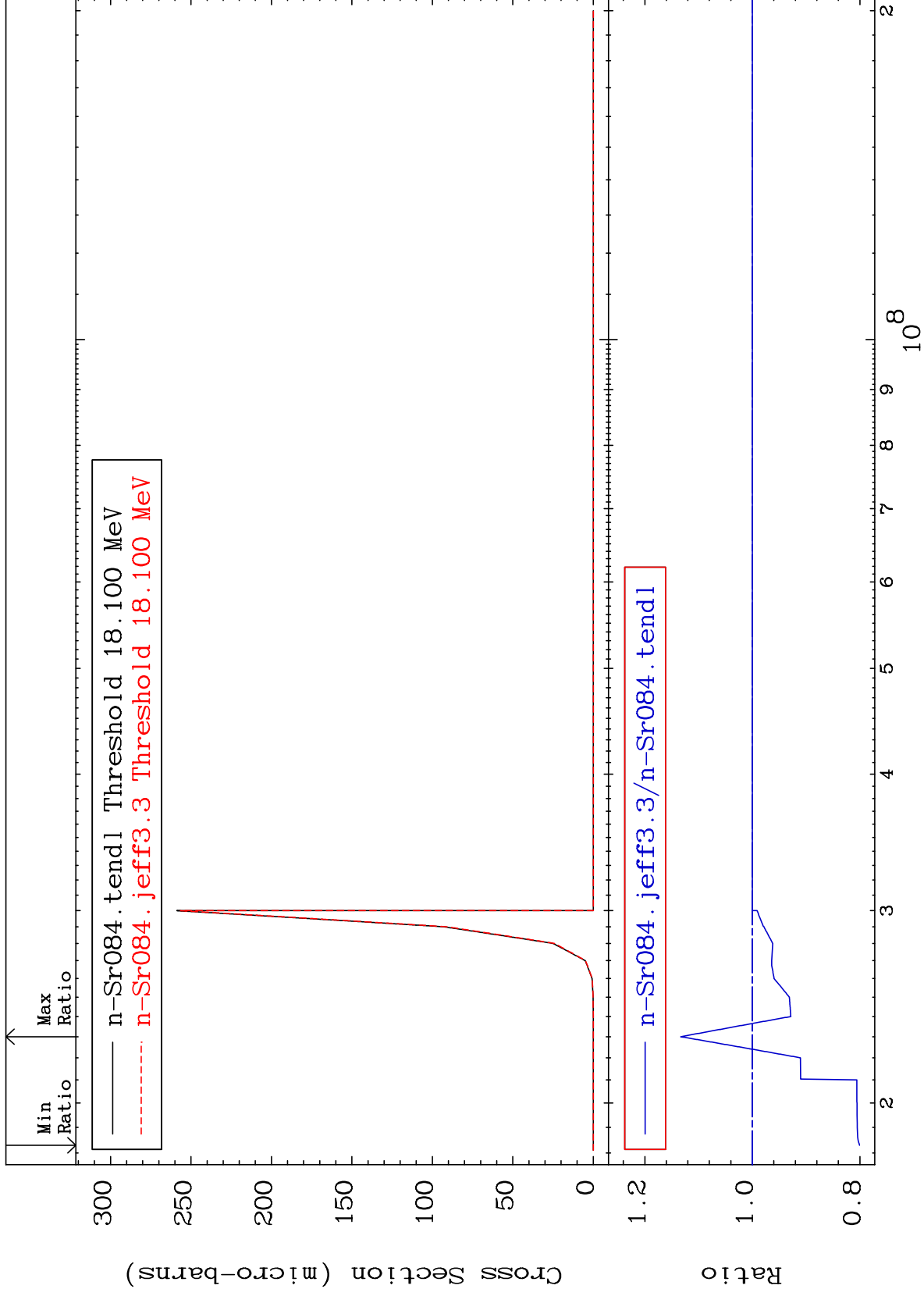
Incident Energy (MeV)

³⁸Sr-84

MAT 3825

(n, n') He-3
Cross Section

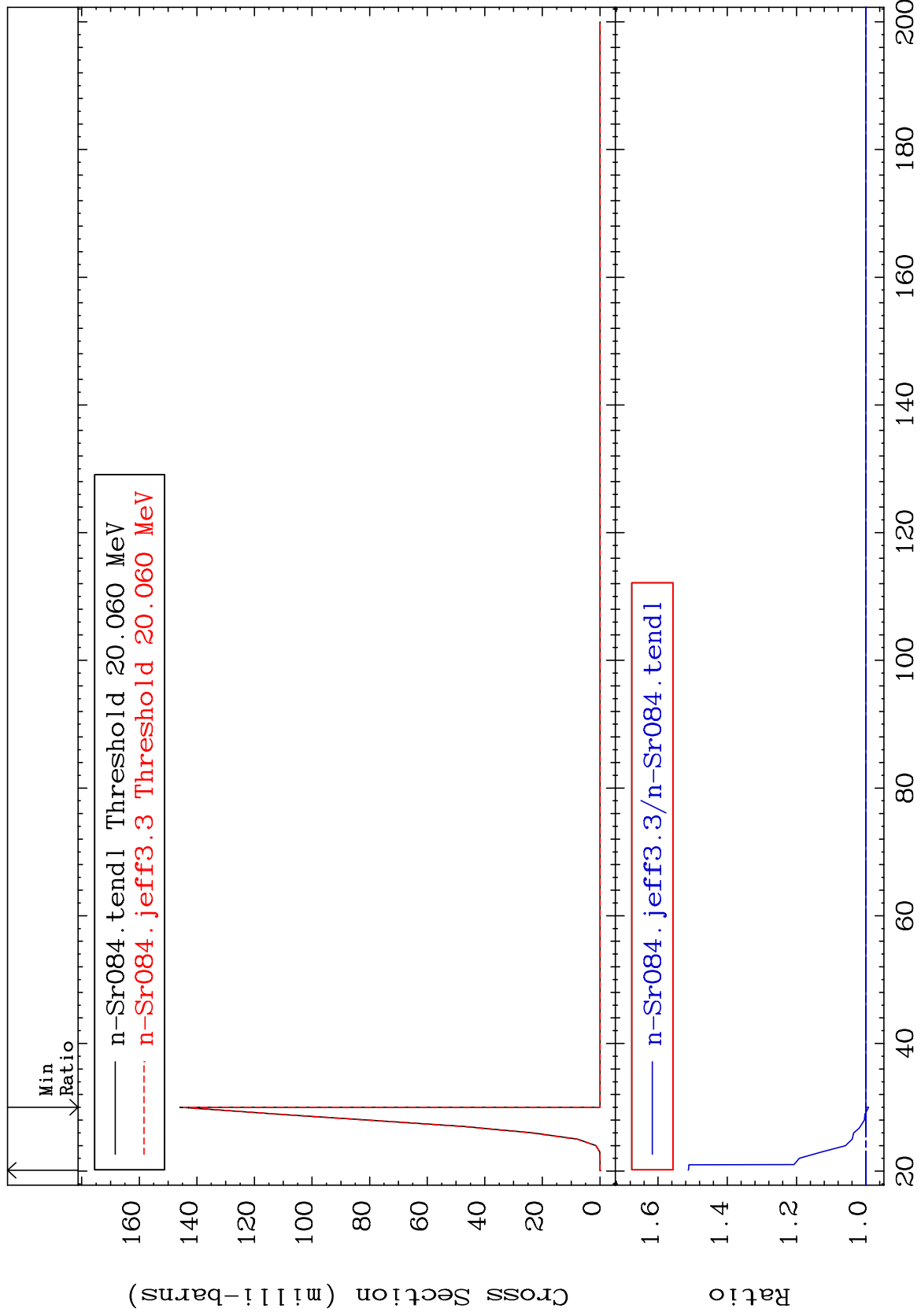
38-Sr-84
-19.94 To 13.31 %



MAT 3825

(n,2n) p
Cross Section

38-Sr-84
-0.797 To 51.26 %



14

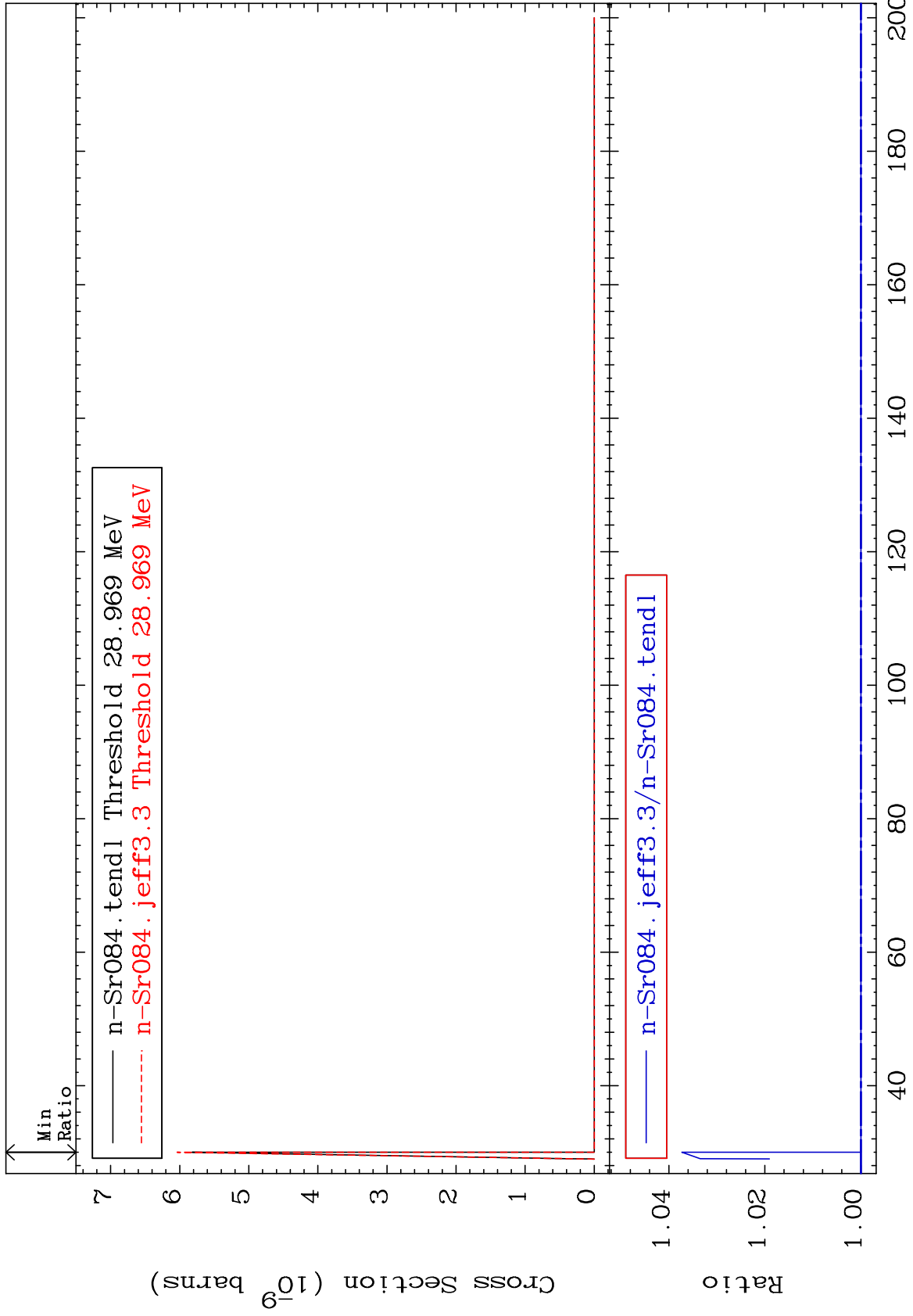
Incident Energy (MeV)

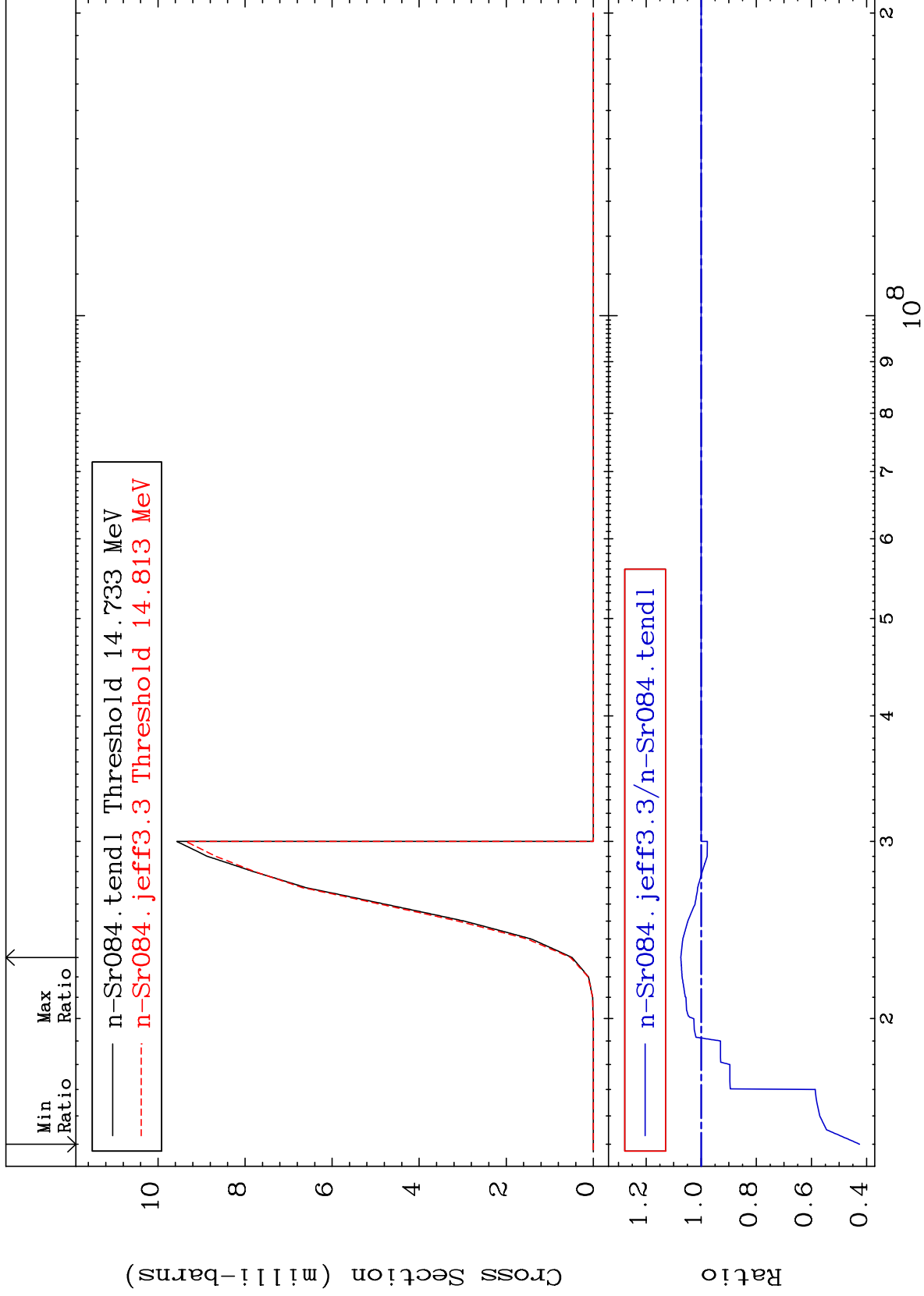
38-Sr-84

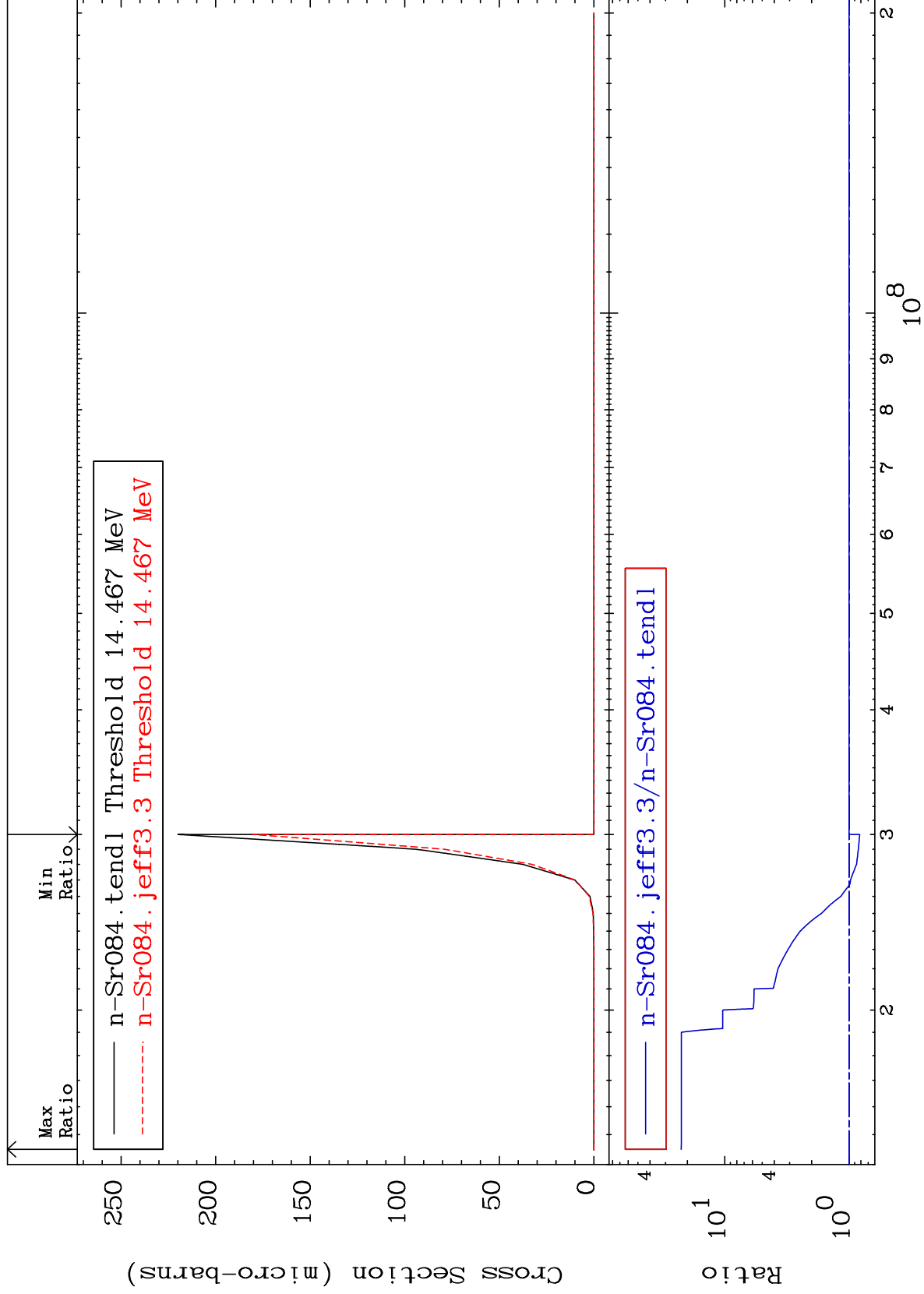
MAT 3825

(n,3n) p
Cross Section

38-Sr-84
0.000 To 3.728 %



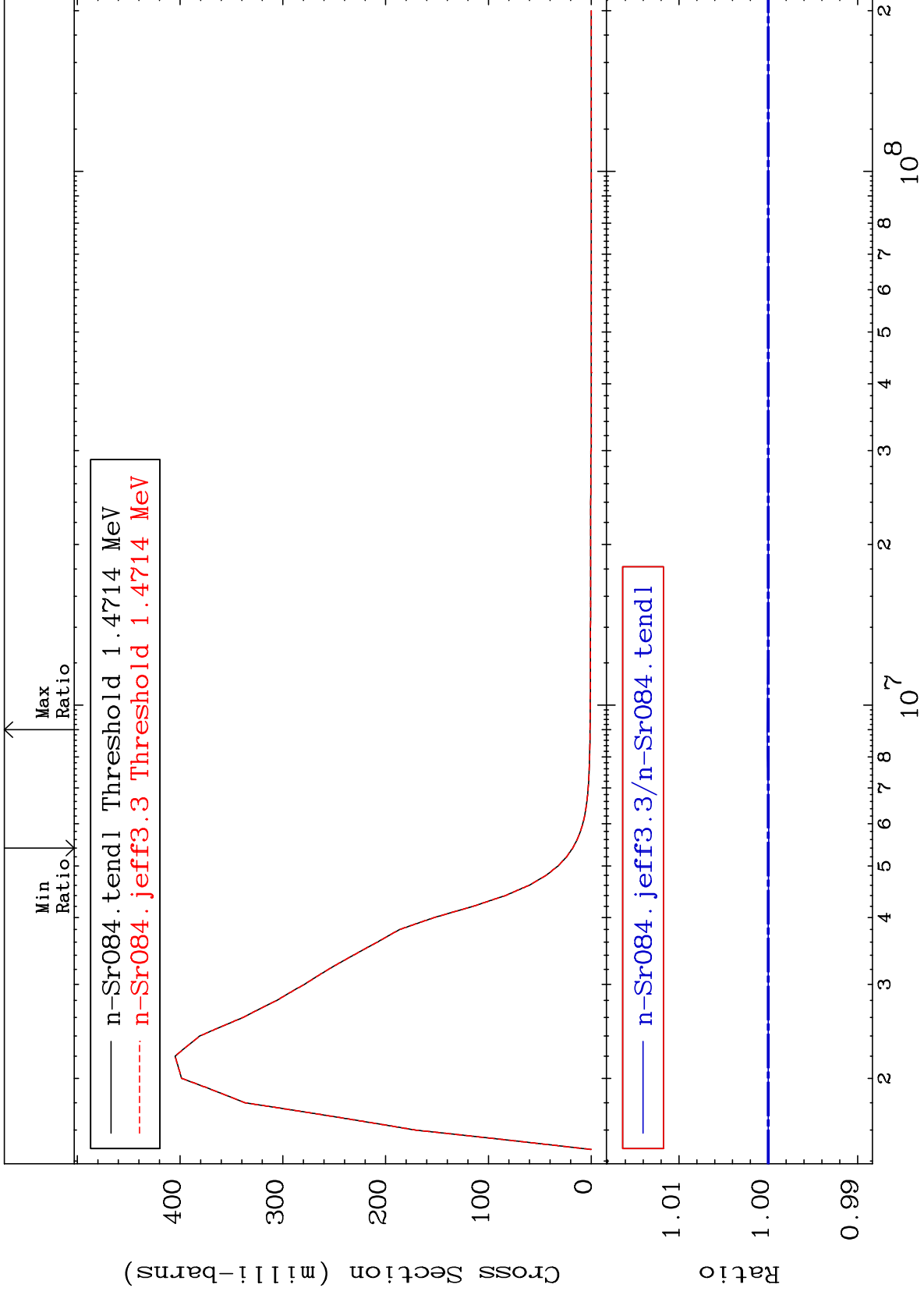




MAT 3825

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

38-Sr-84
-0.004 To 0.011 %



18

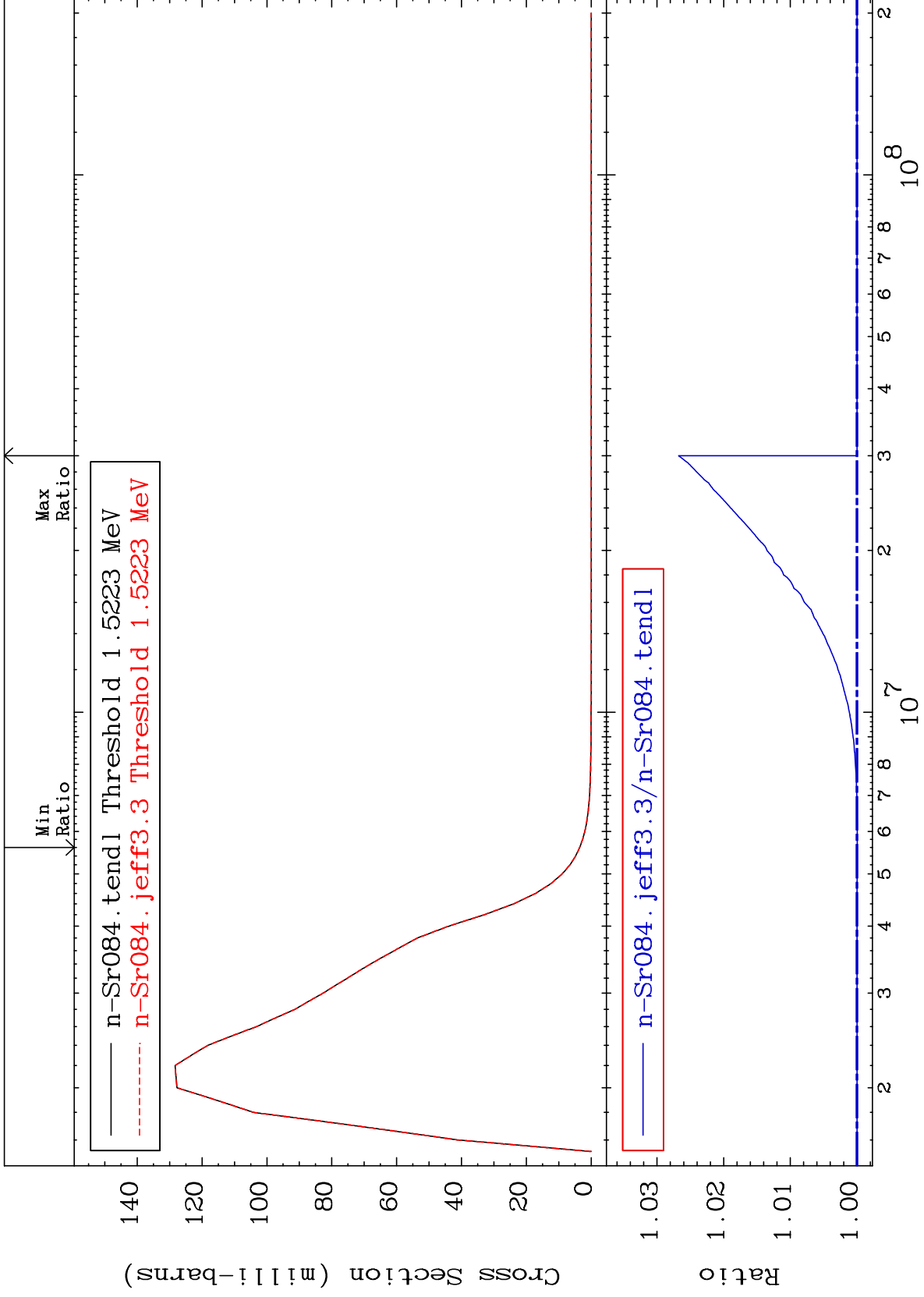
Incident Energy (eV)

38-Sr-84

MAT 3825

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

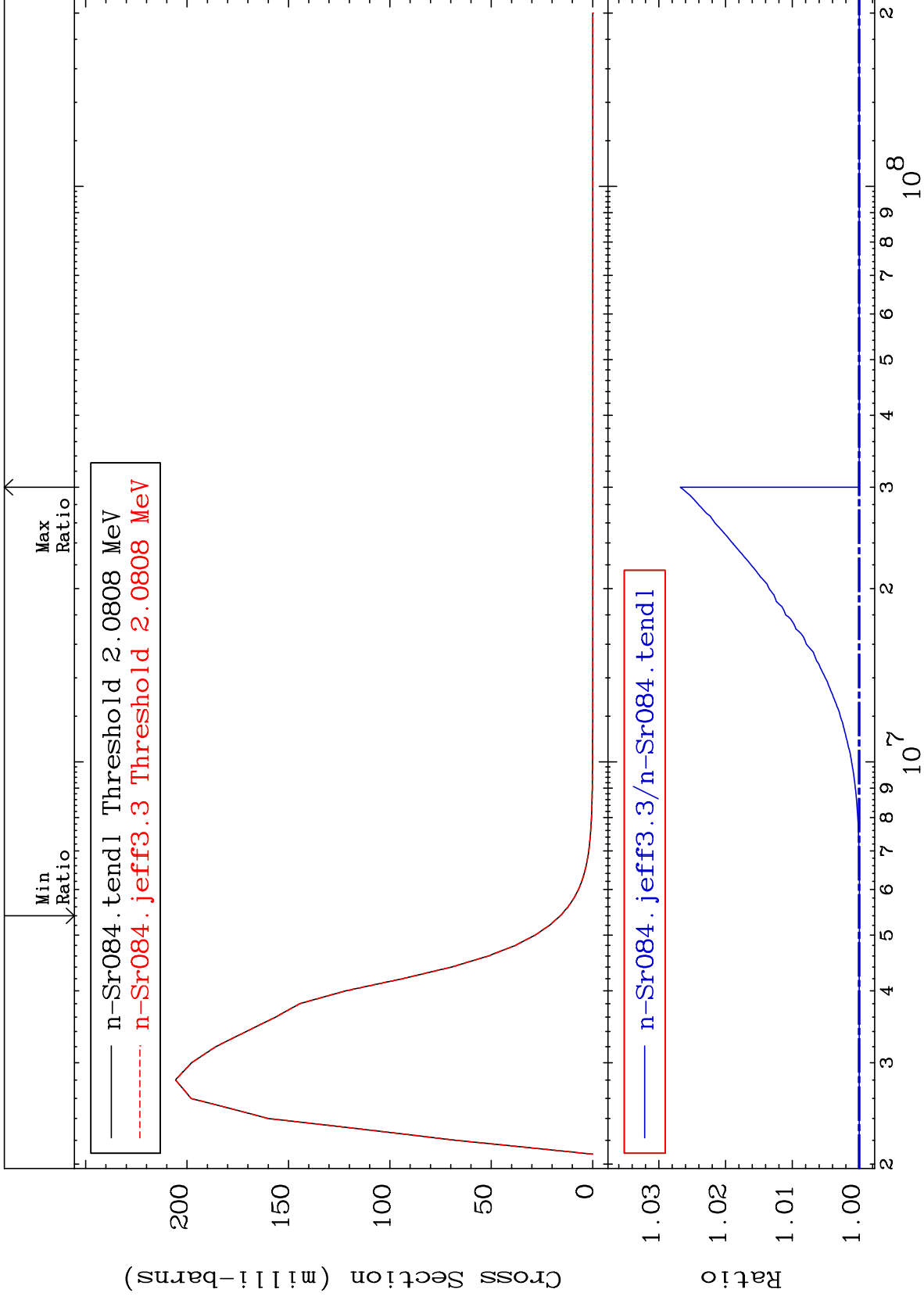
38-Sr-84
-0.004 To 2.676 %



MAT 3825

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

38-Sr-84
-0.004 To 2.678 %



20

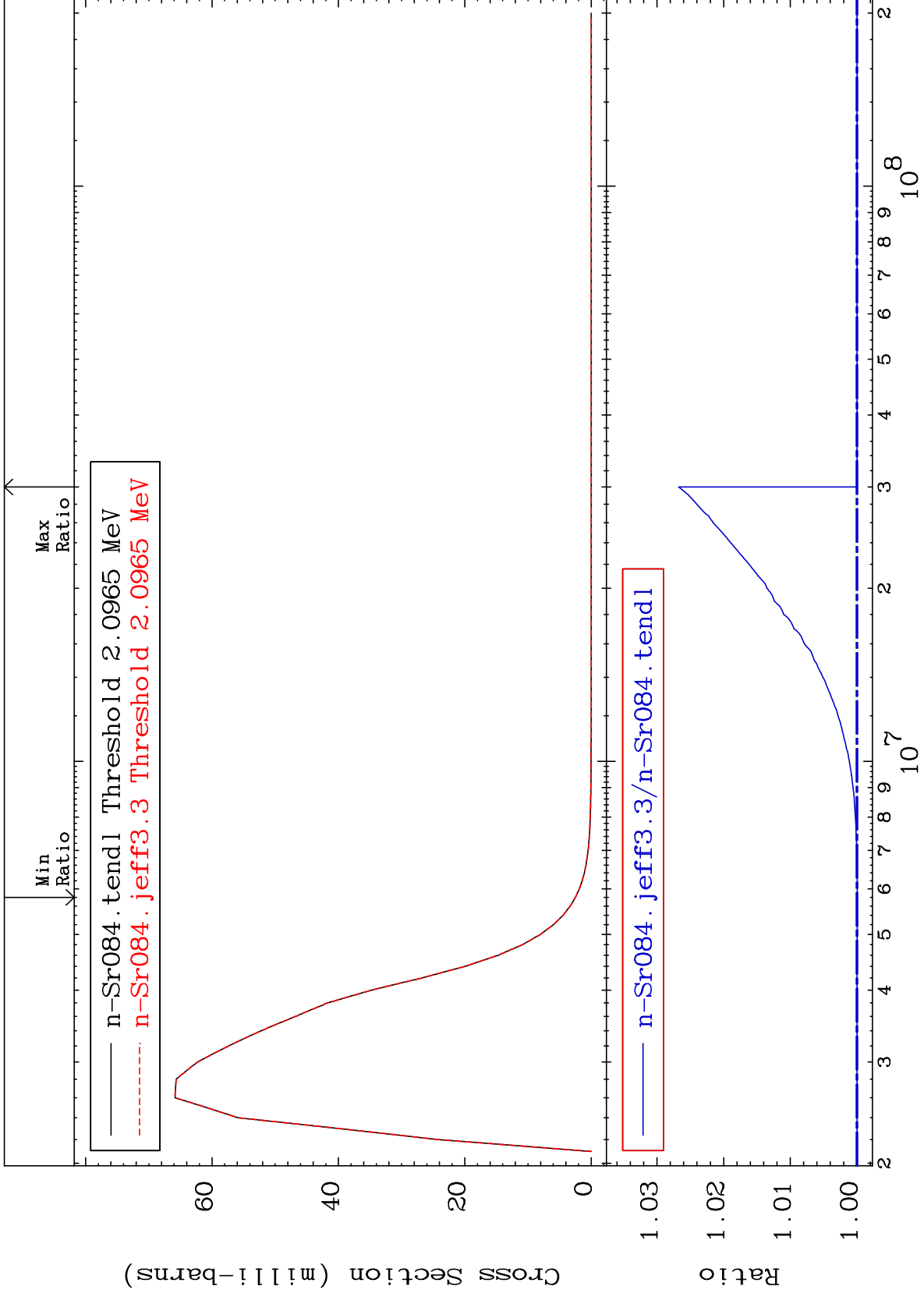
Incident Energy (eV)

38-Sr-84

MAT 3825

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

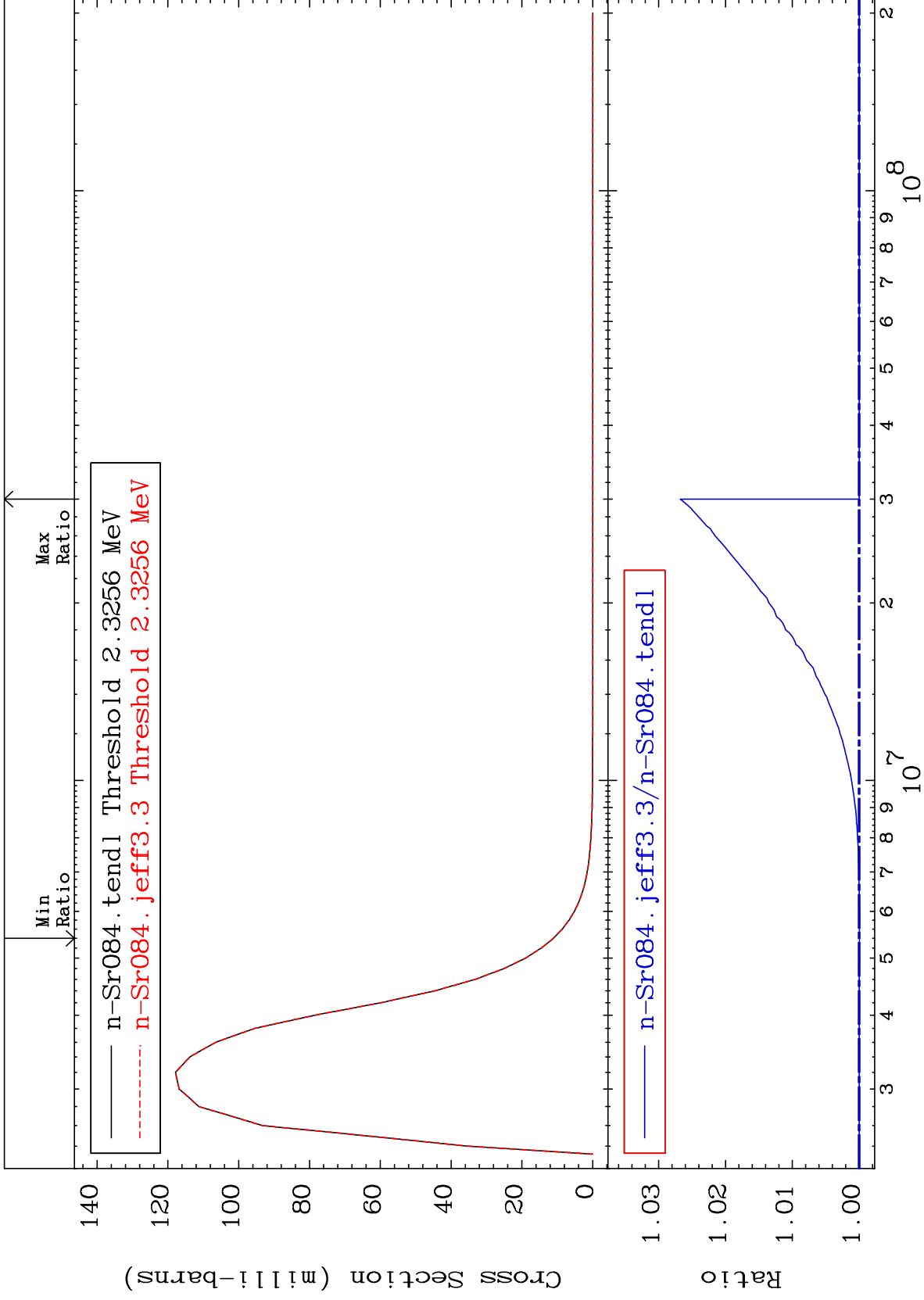
38-Sr-84
-0.004 To 2.675 %



MAT 3825

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

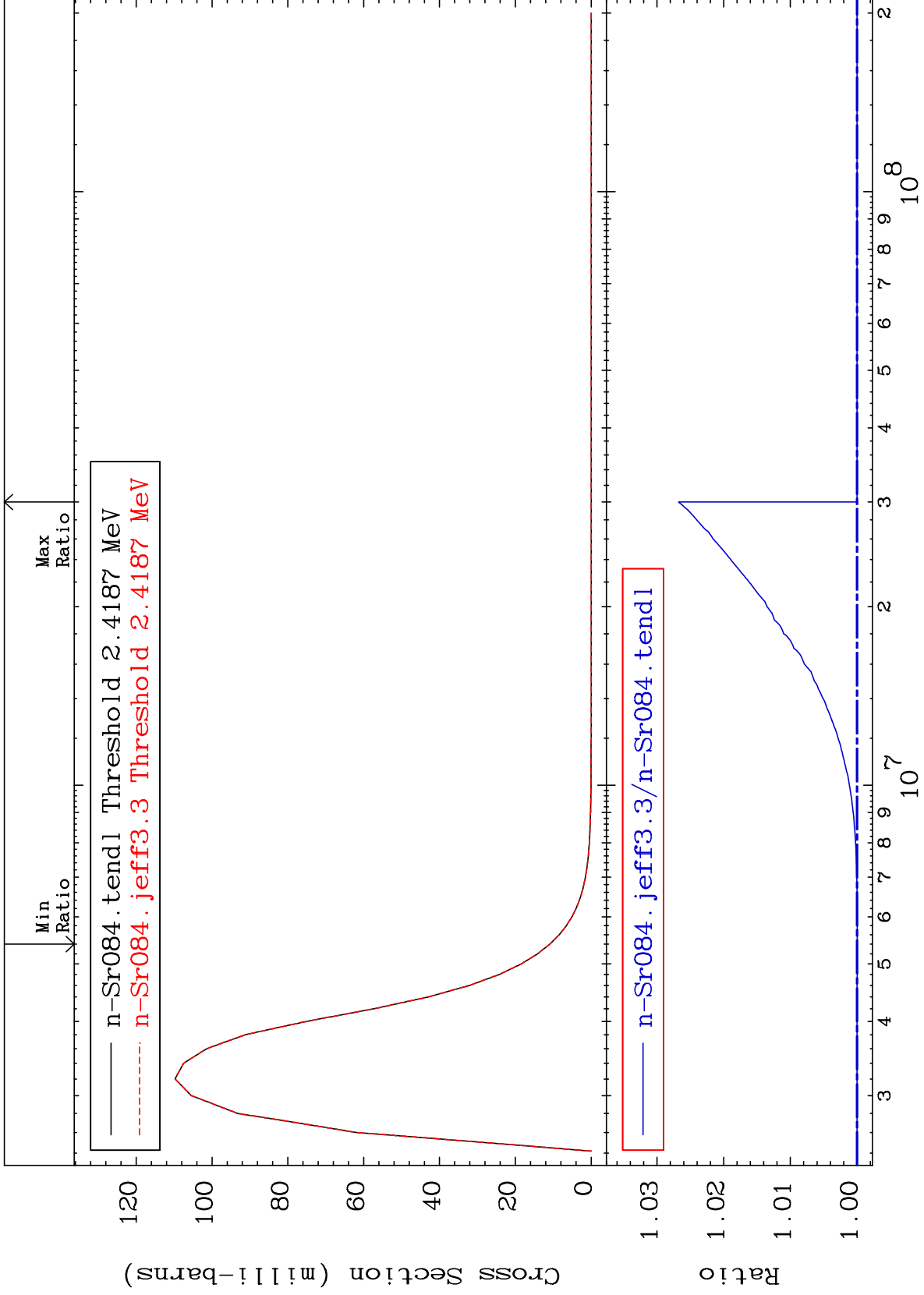
38-Sr-84
-0.004 To 2.676 %



MAT 3825

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

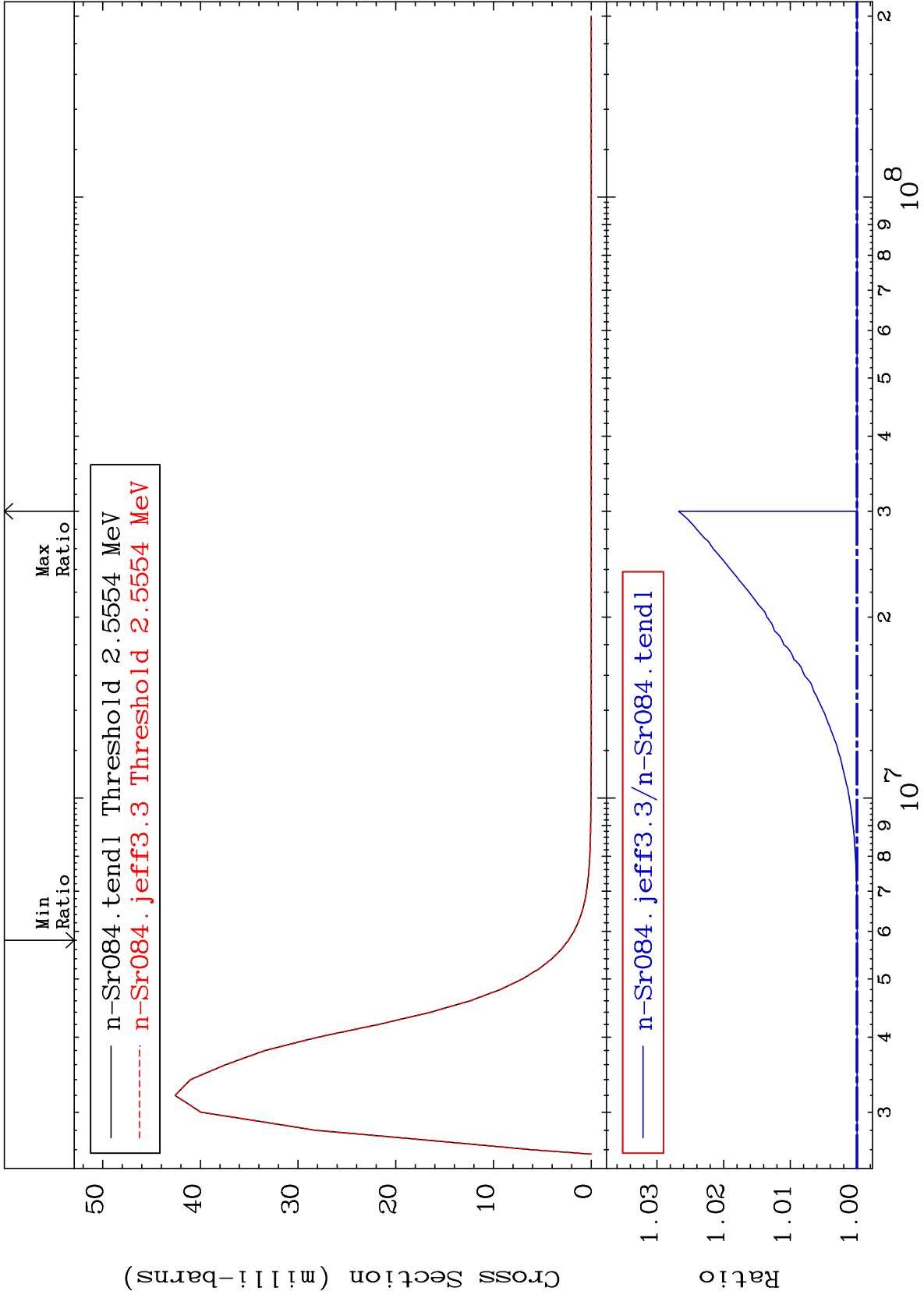
38-Sr-84
-0.004 To 2.676 %



MAT 3825

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

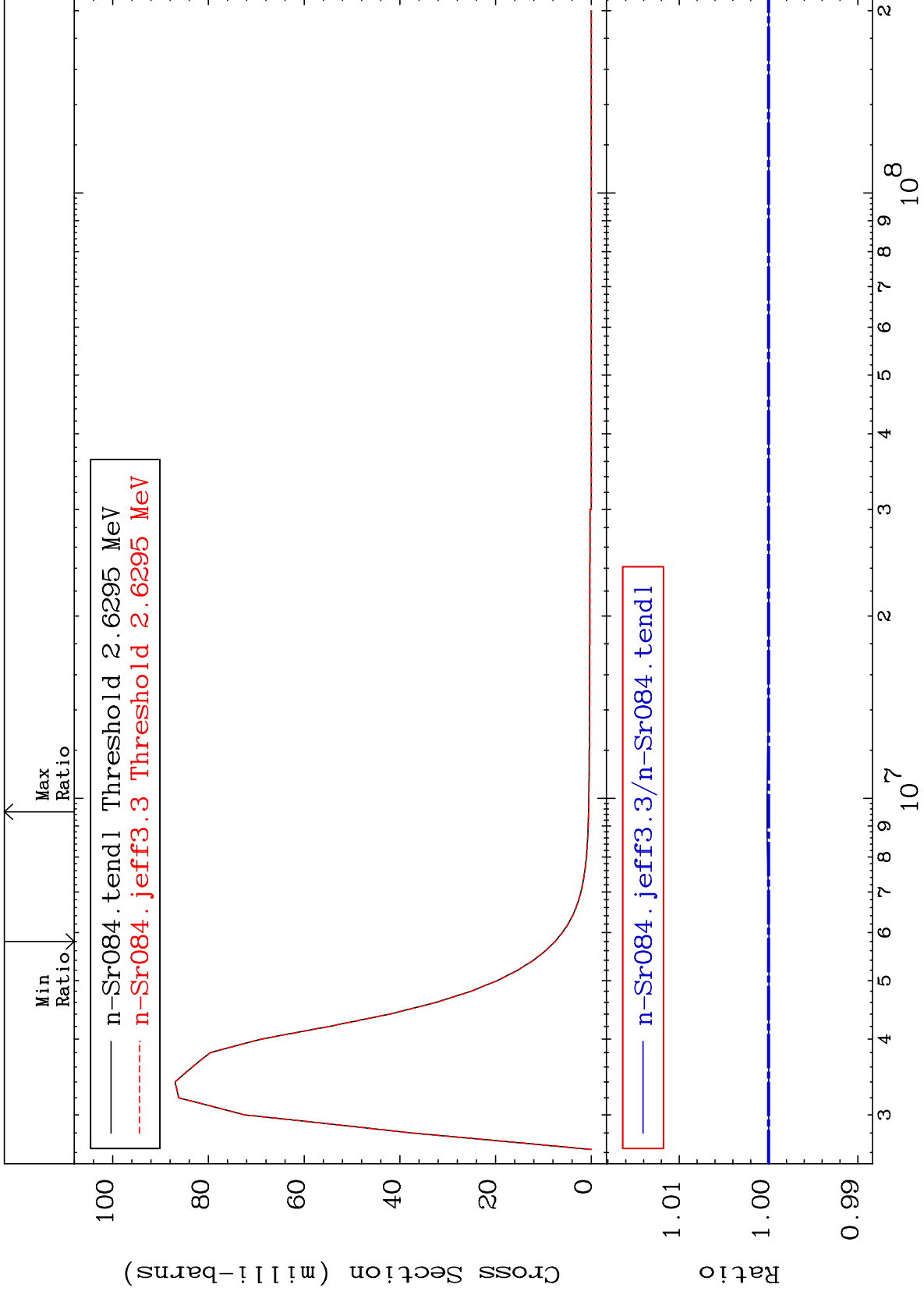
38-Sr-84
-0.004 To 2.675 %



MAT 3825

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

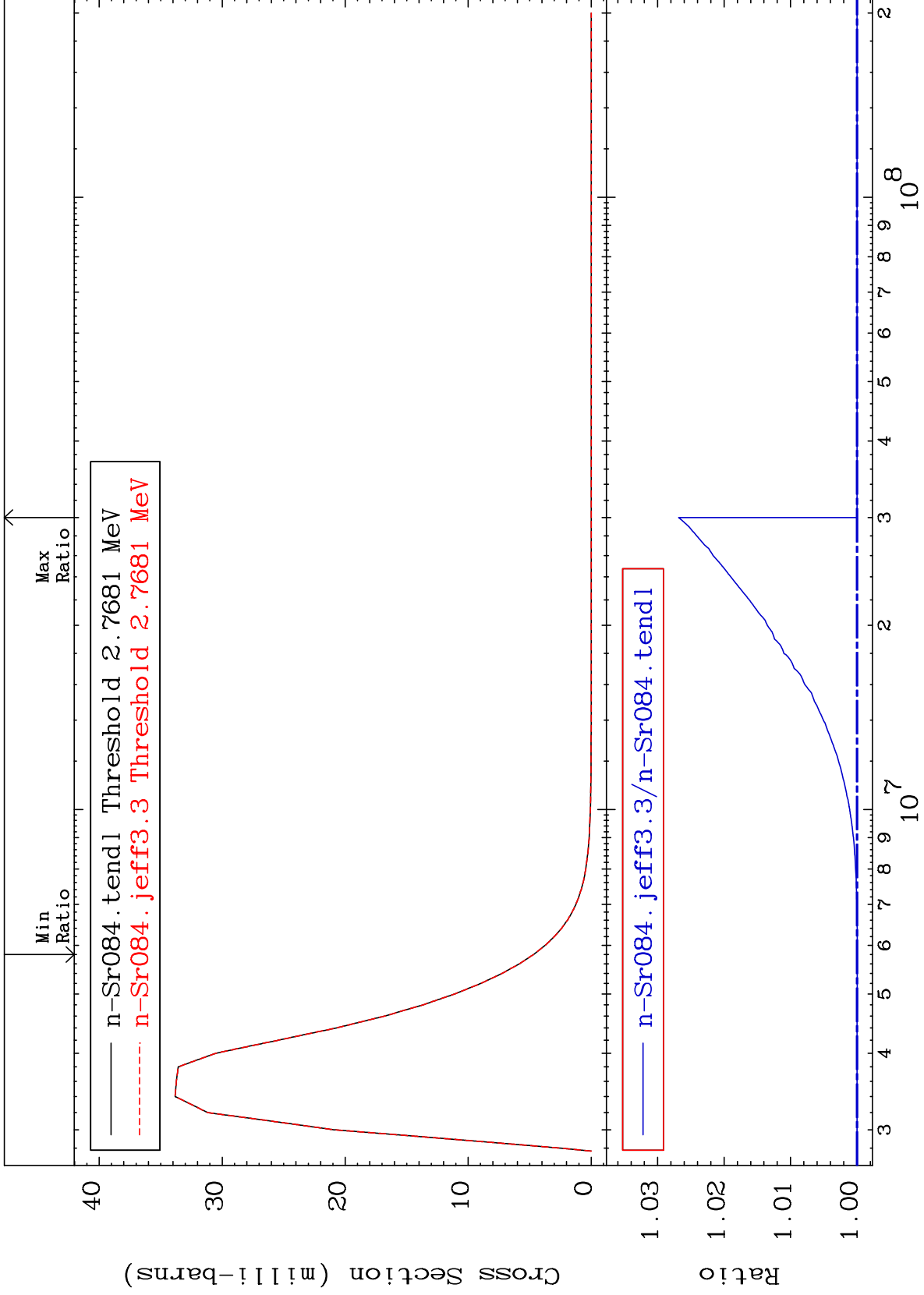
38-Sr-84
-0.004 To 0.018 %



MAT 3825

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

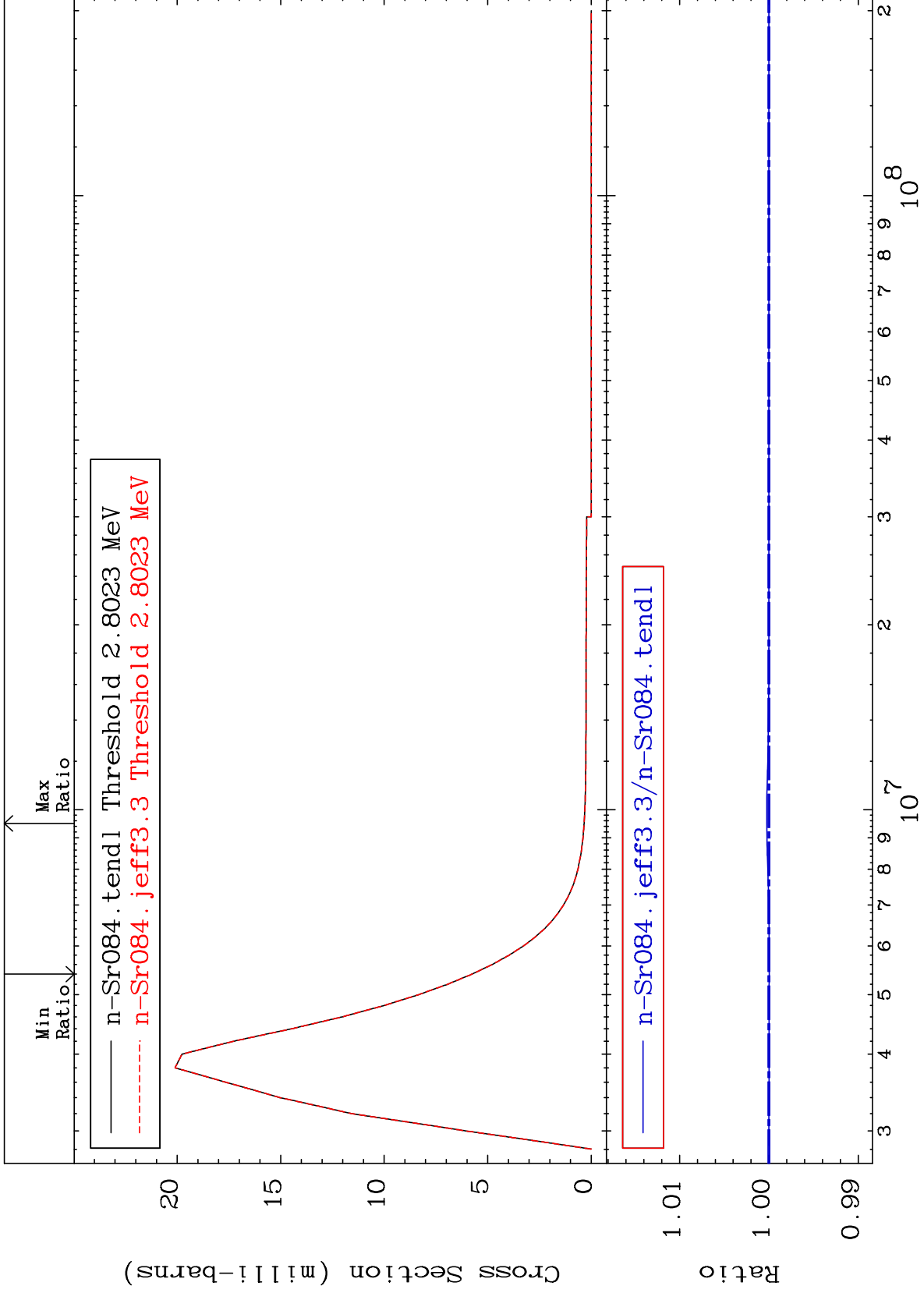
38-Sr-84
-0.004 To 2.684 %



MAT 3825

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

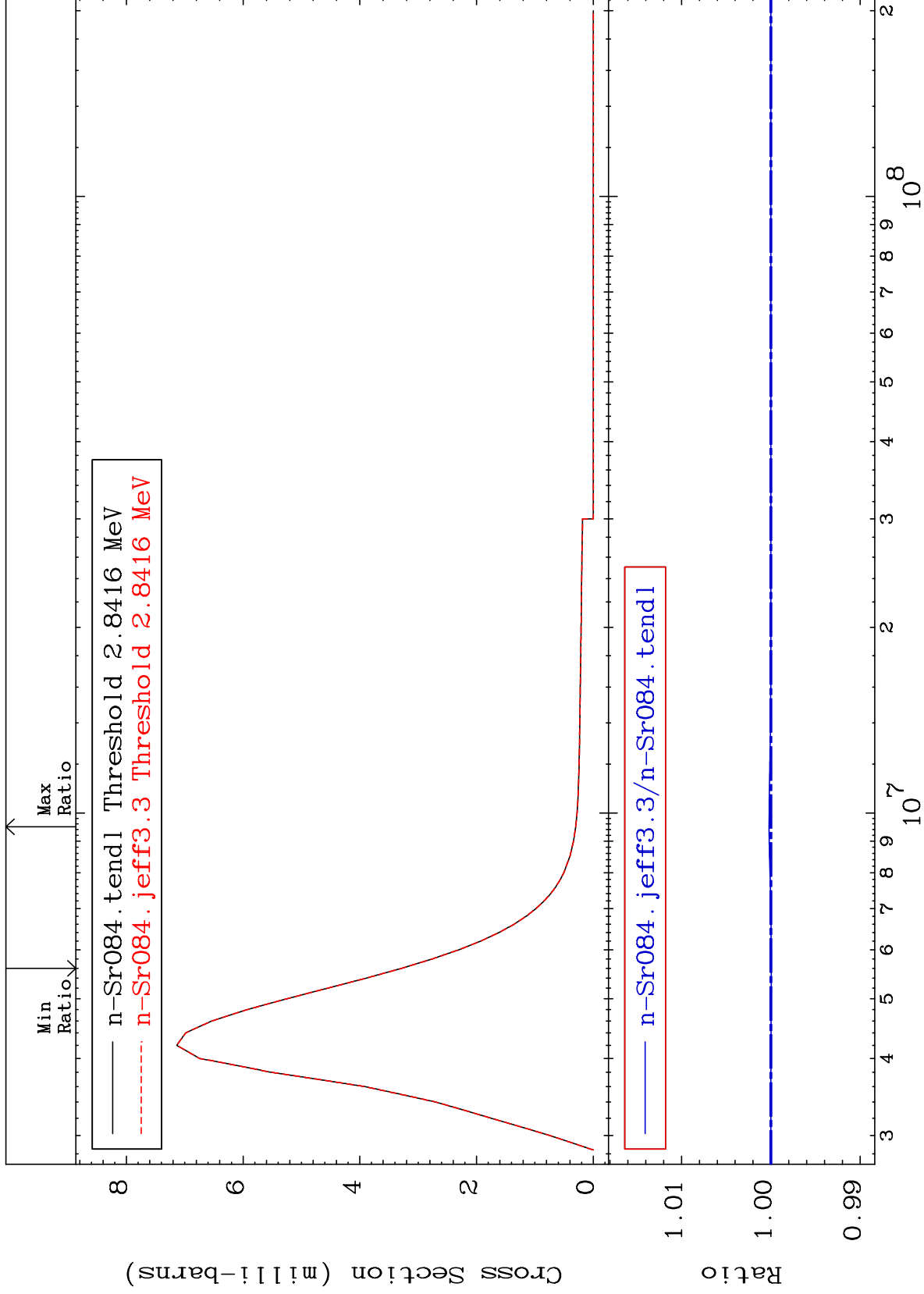
38-Sr-84
-0.003 To 0.025 %



MAT 3825

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

38-Sr-84
-0.004 To 0.020 %



28

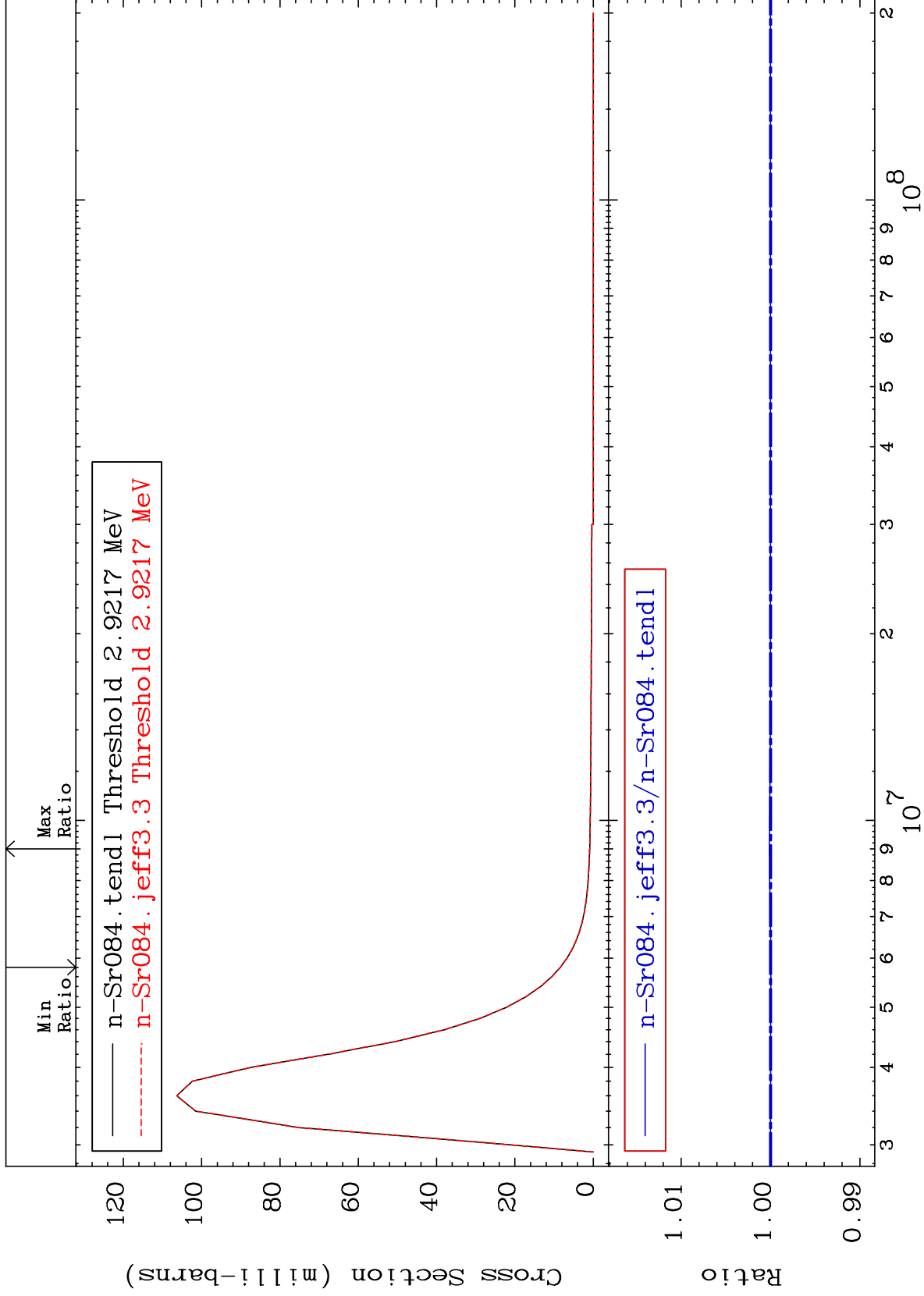
Incident Energy (eV)

38-Sr-84

MAT 3825

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

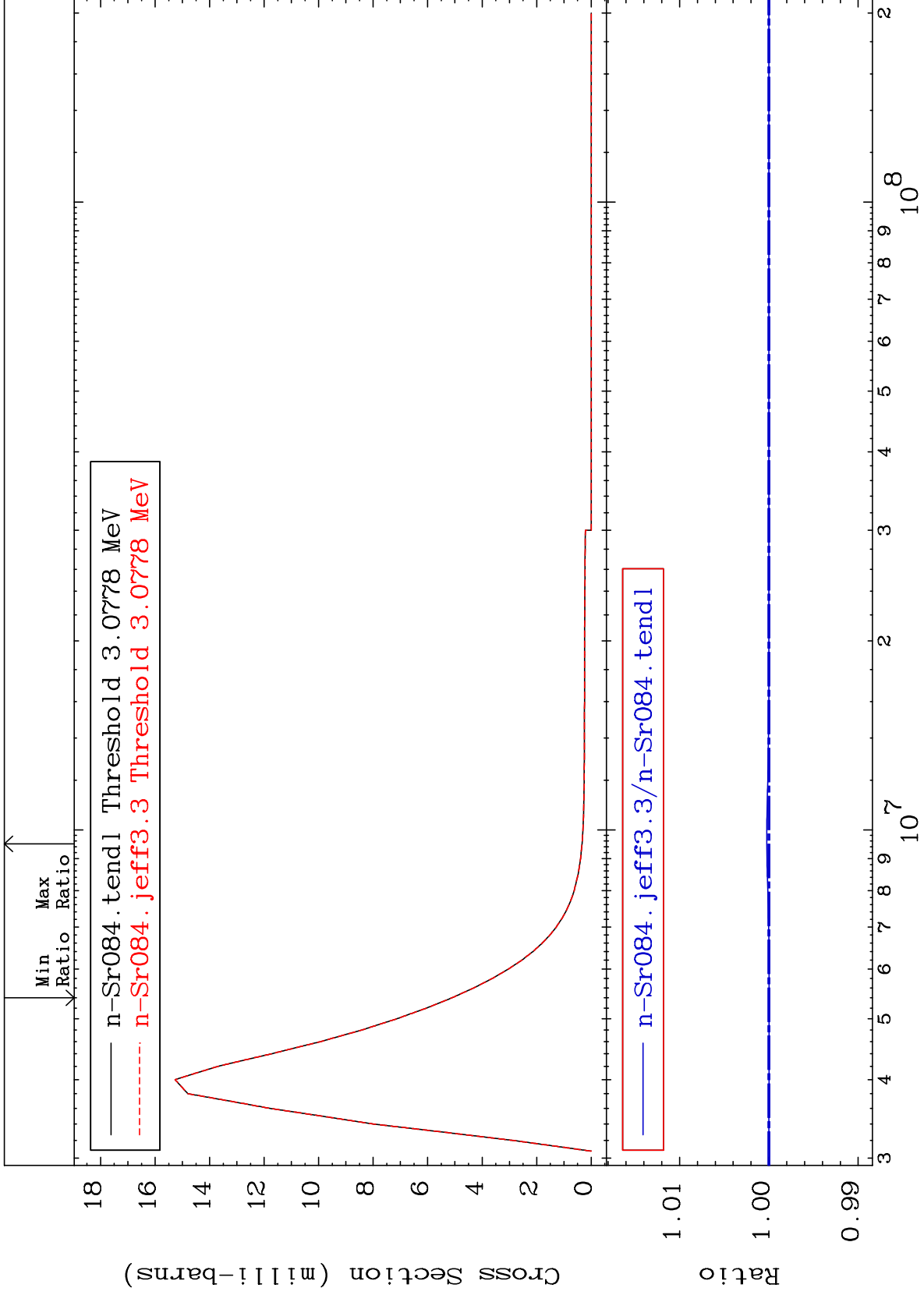
38-Sr-84
-0.004 To 0.011 %



MAT 3825

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

38-Sr-84
-0.003 To 0.024 %



30

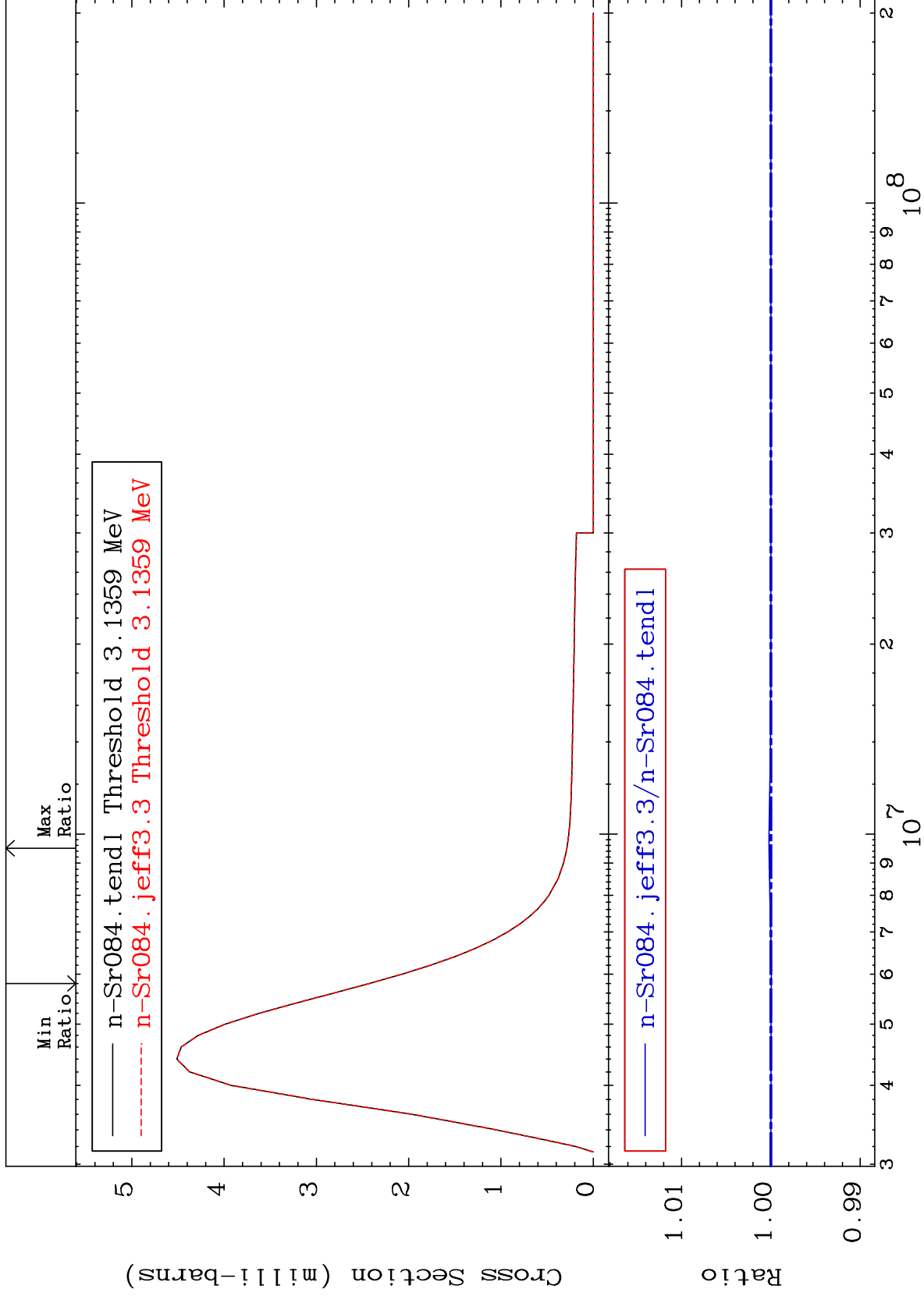
Incident Energy (eV)

38-Sr-84

MAT 3825

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

38-Sr-84
-0.004 To 0.020 %



31

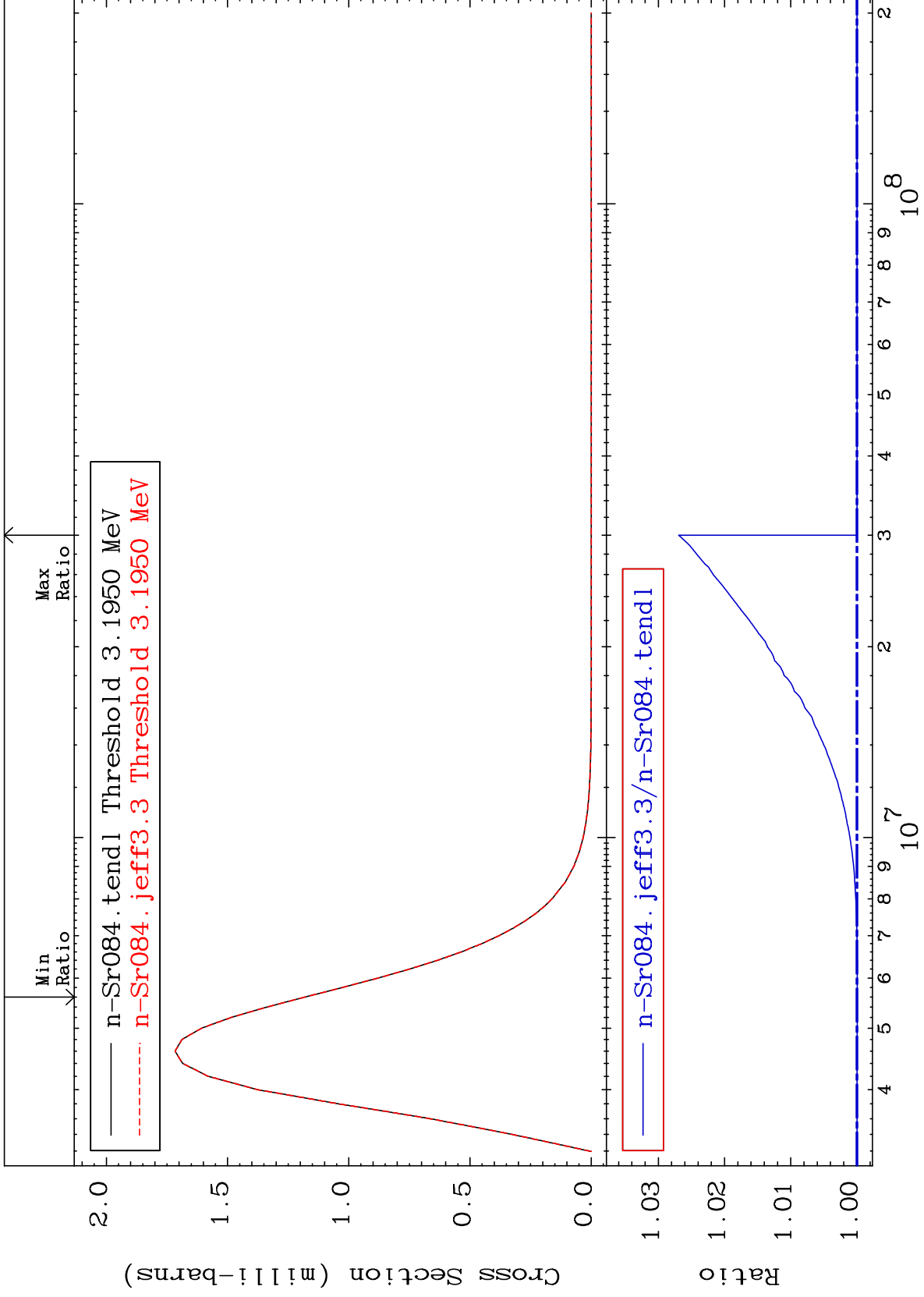
Incident Energy (eV)

38-Sr-84

MAT 3825

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

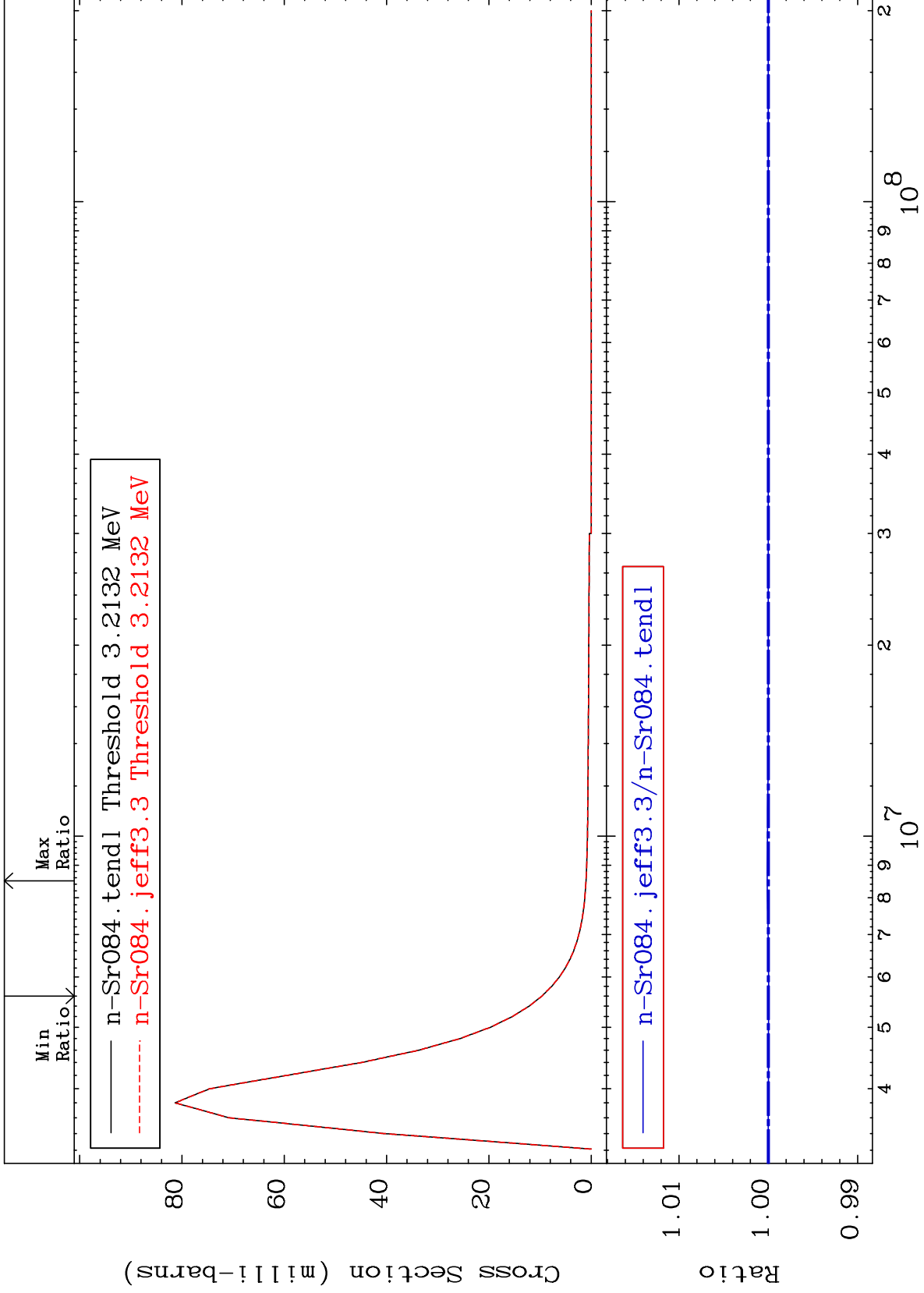
38-Sr-84
-0.004 To 2.694 %



MAT 3825

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

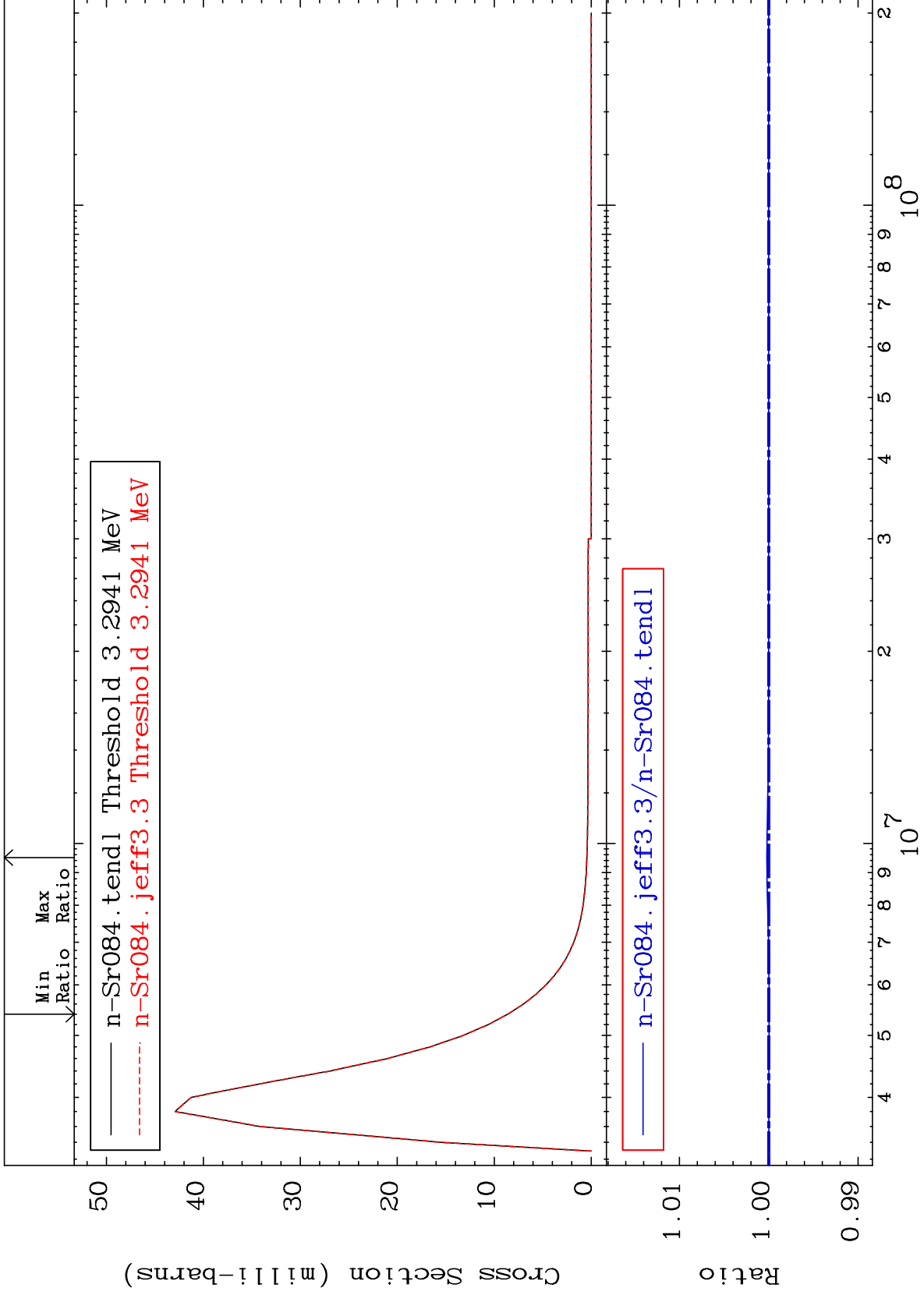
38-Sr-84
-0.004 To 0.012 %



MAT 3825

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

38-Sr-84
-0.004 To 0.021 %



34

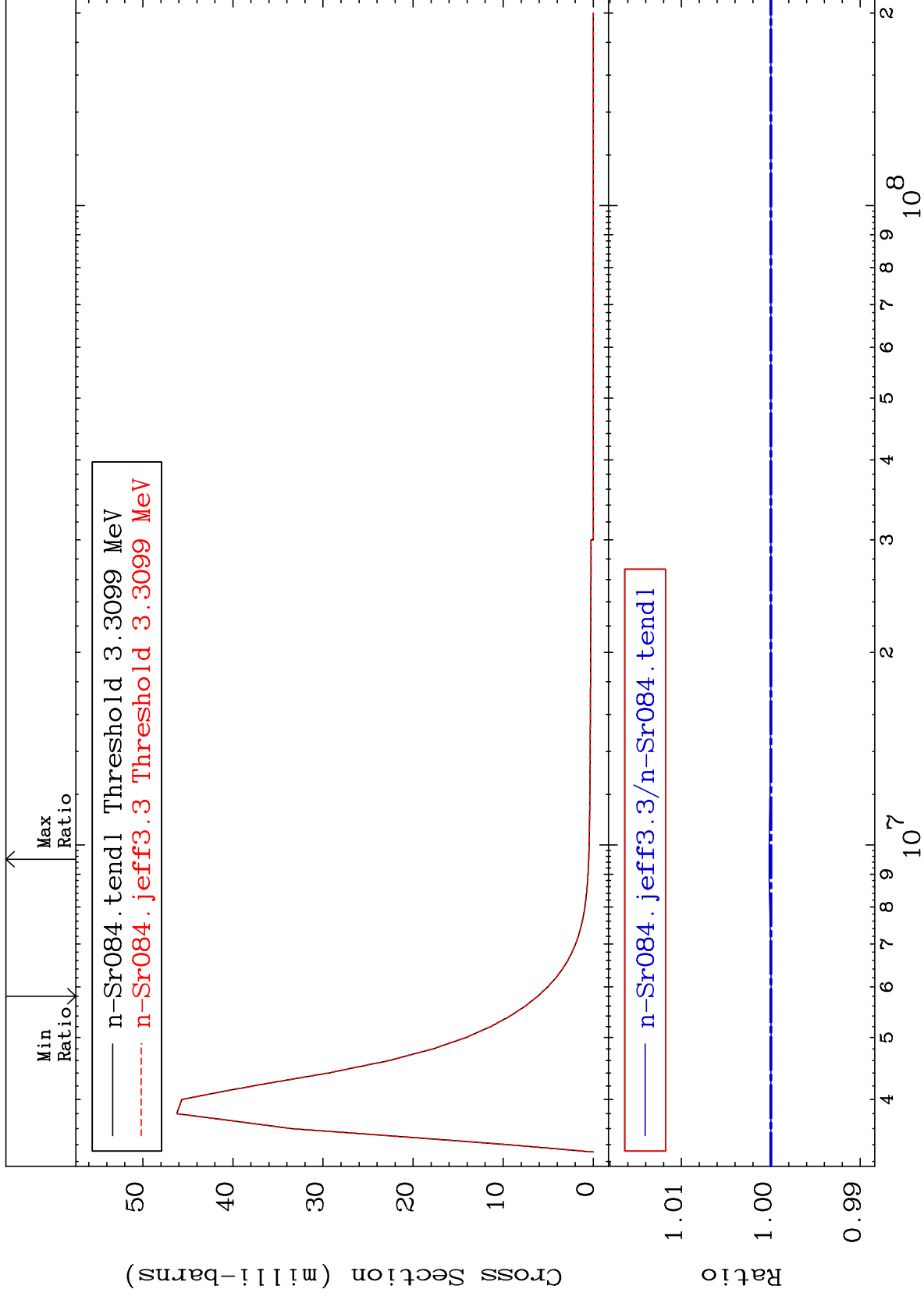
Incident Energy (eV)

38-Sr-84

MAT 3825

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

38-Sr-84
-0.004 To 0.019 %



35

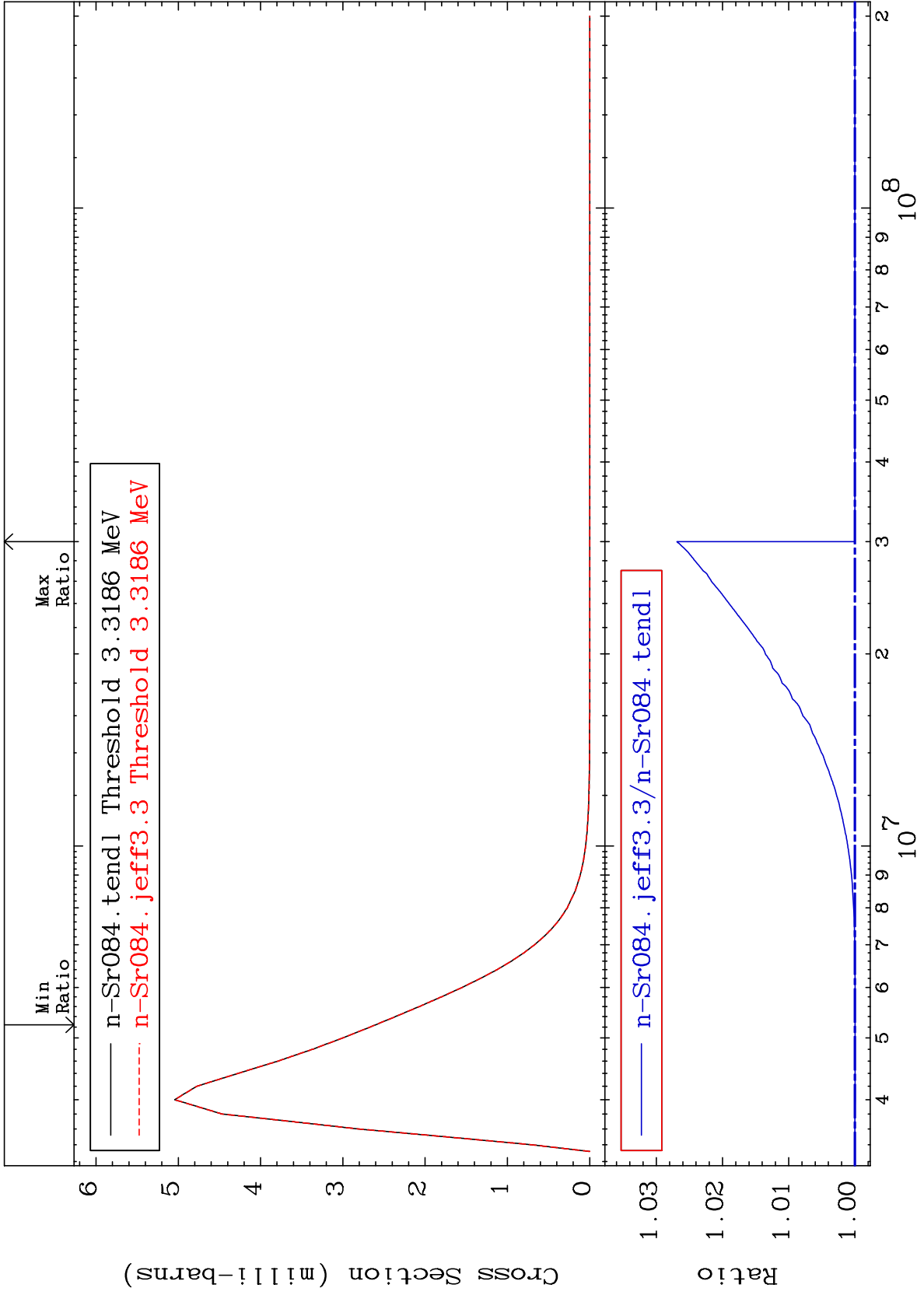
Incident Energy (eV)

38-Sr-84

MAT 3825

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

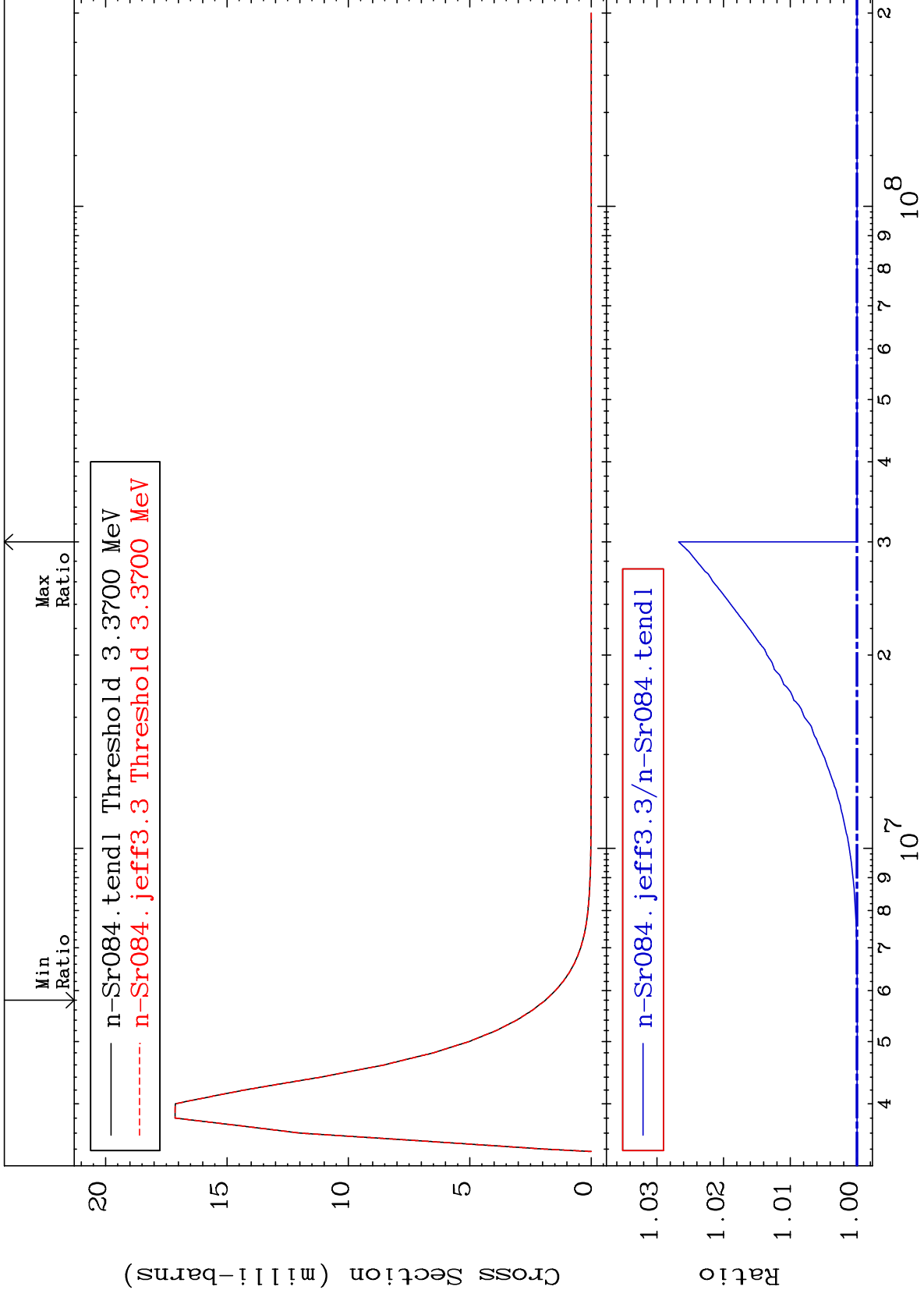
38-Sr-84
-0.003 To 2.689 %



MAT 3825

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

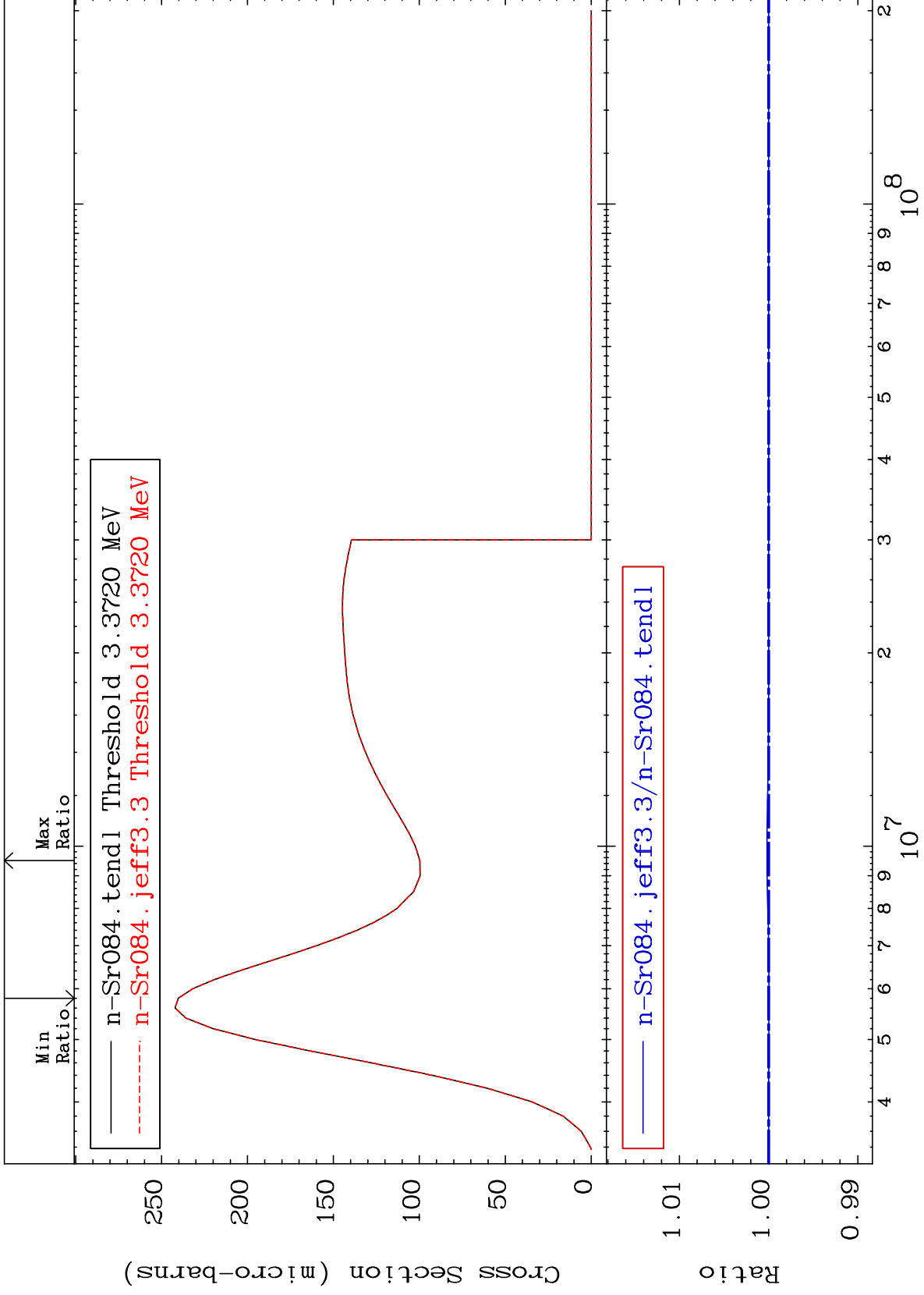
38-Sr-84
-0.004 To 2.674 %



MAT 3825

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

38-Sr-84
-0.004 To 0.019 %



38

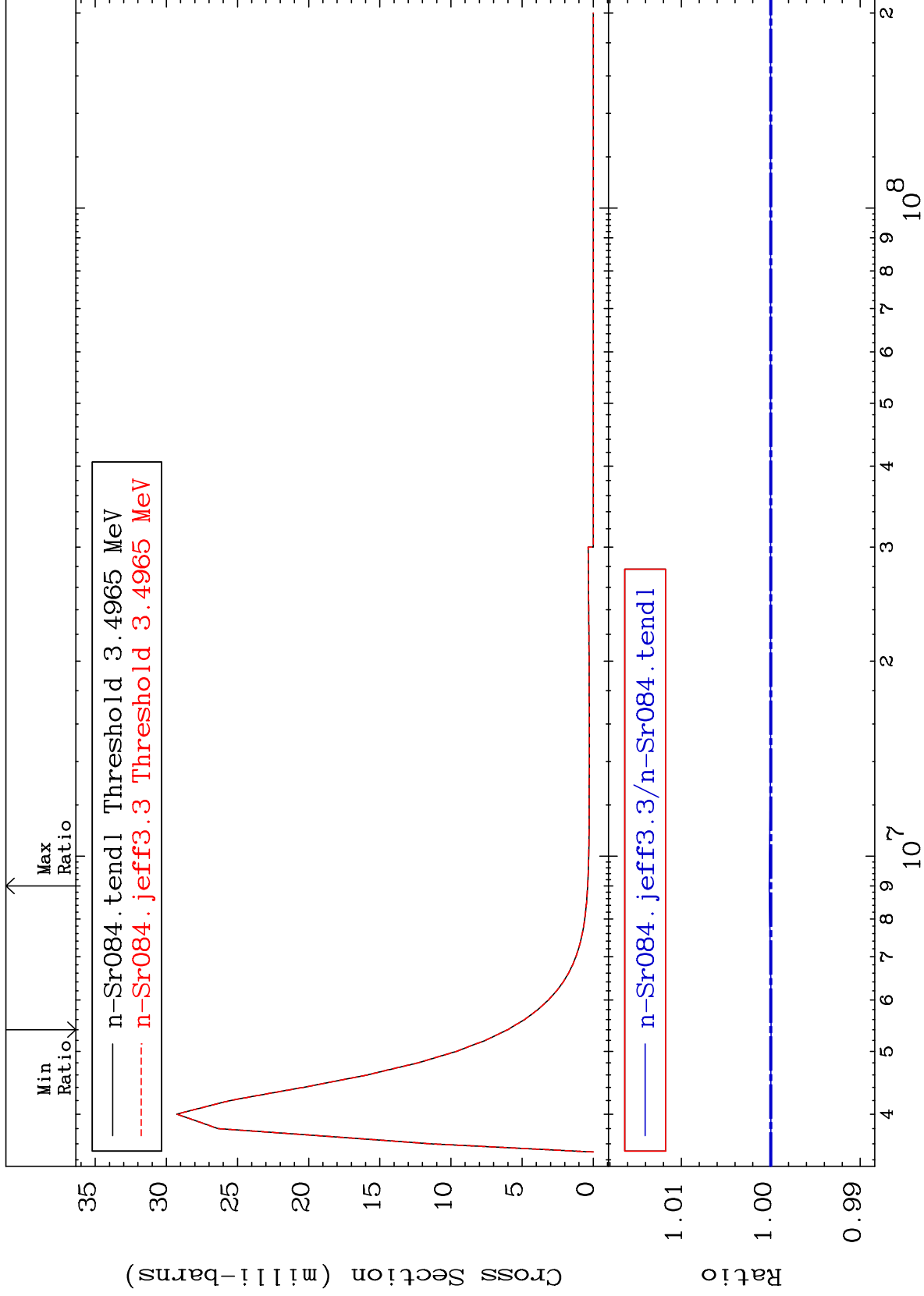
Incident Energy (eV)

38-Sr-84

MAT 3825

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

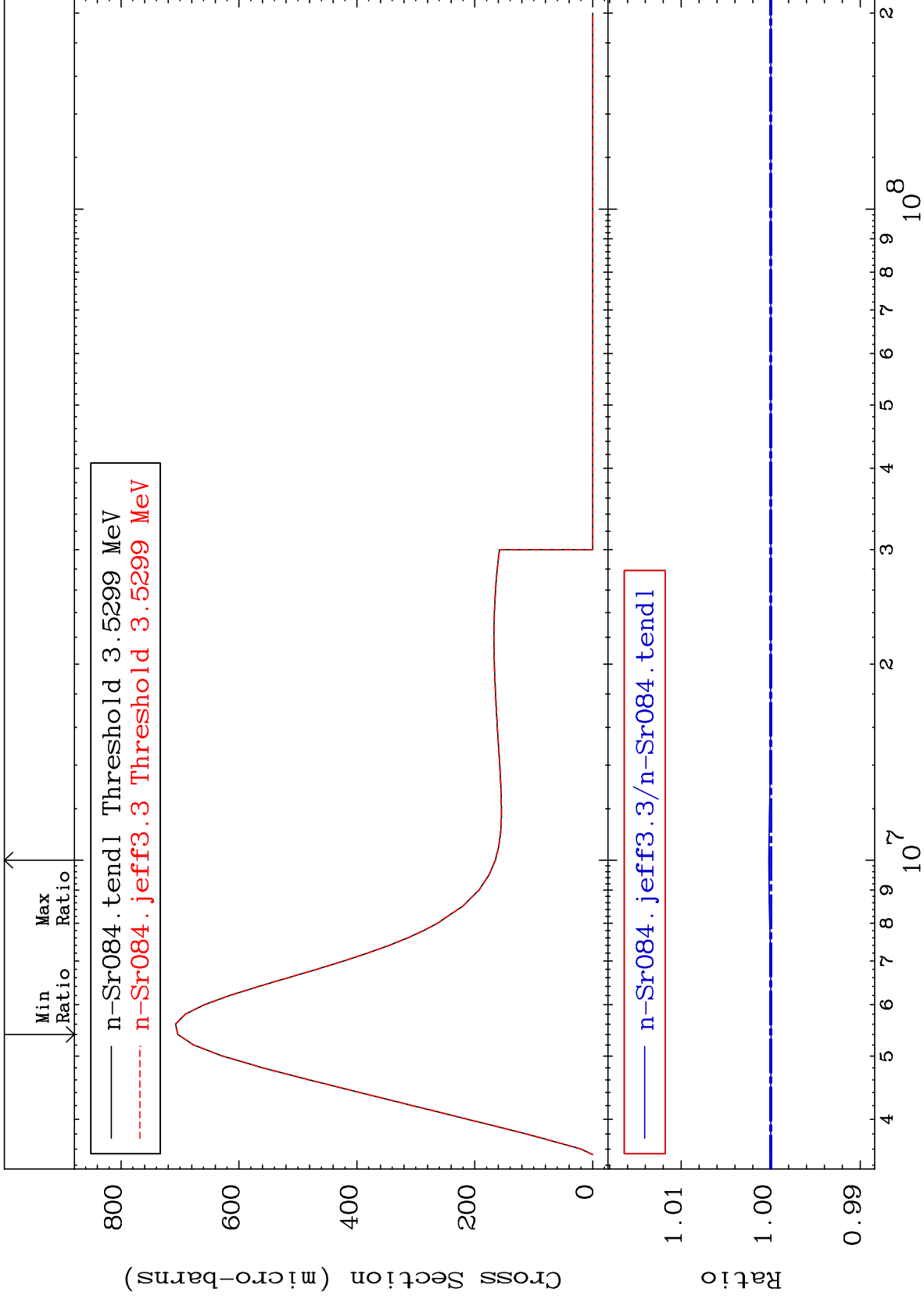
38-Sr-84
-0.004 To 0.017 %



MAT 3825

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

38-Sr-84
-0.003 To 0.021 %



40

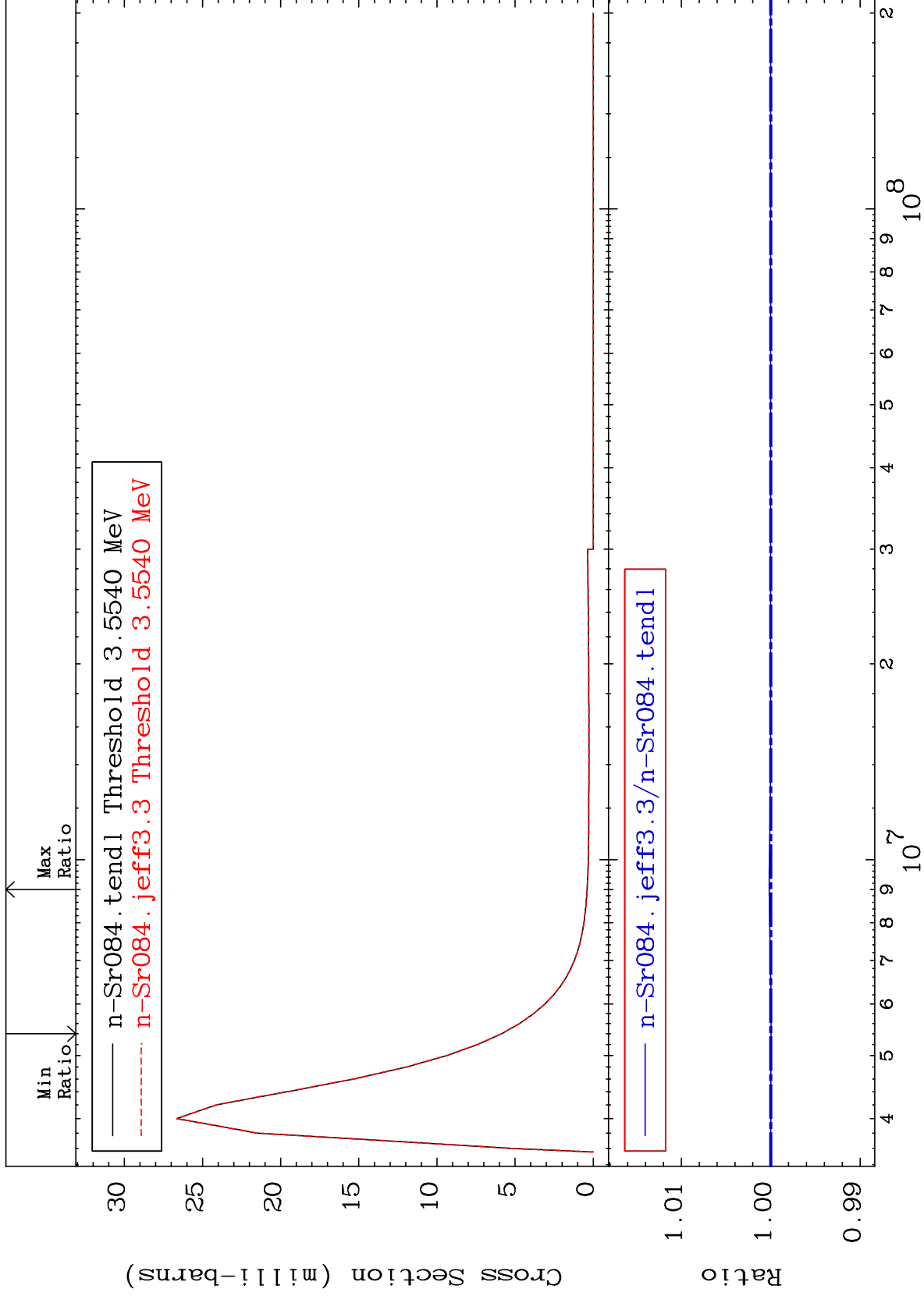
Incident Energy (eV)

38-Sr-84

MAT 3825

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

38-Sr-84
-0.004 To 0.016 %



41

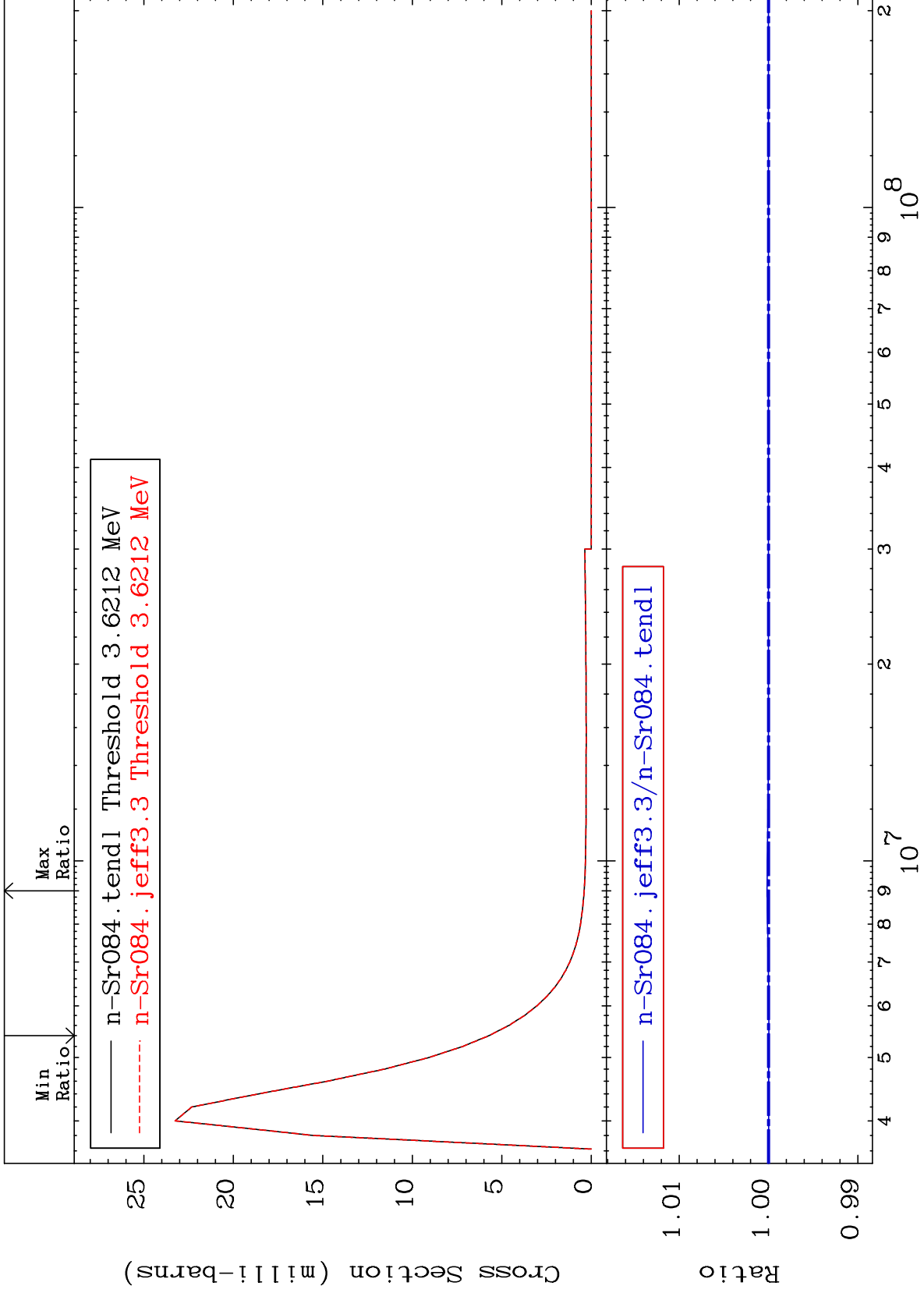
Incident Energy (eV)

38-Sr-84

MAT 3825

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

38-Sr-84
-0.004 To 0.016 %



42

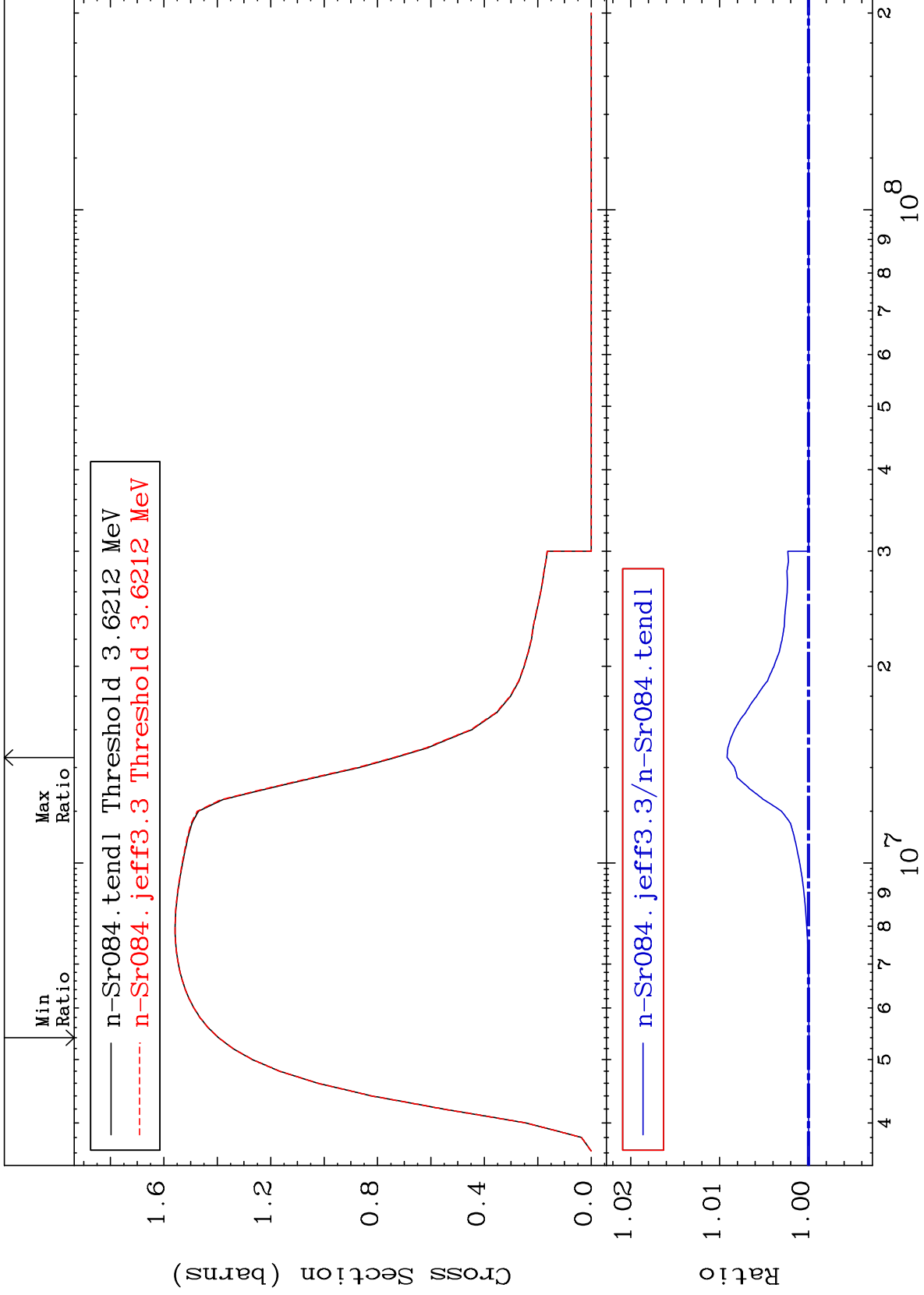
Incident Energy (eV)

38-Sr-84

MAT 3825

(n, n') Continuum
Cross Section

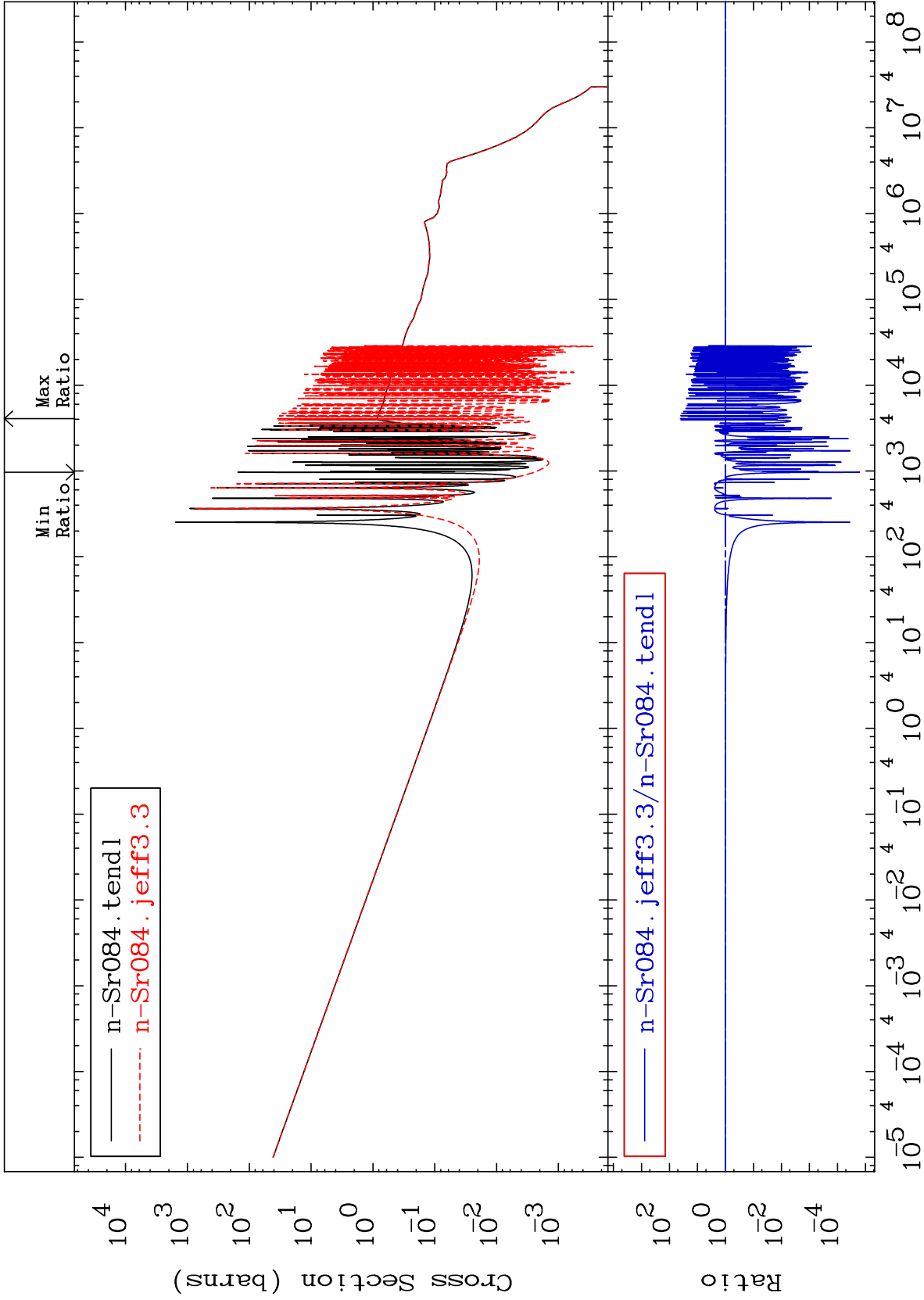
38-Sr-84
-0.004 To 0.917 %



43

Incident Energy (eV)

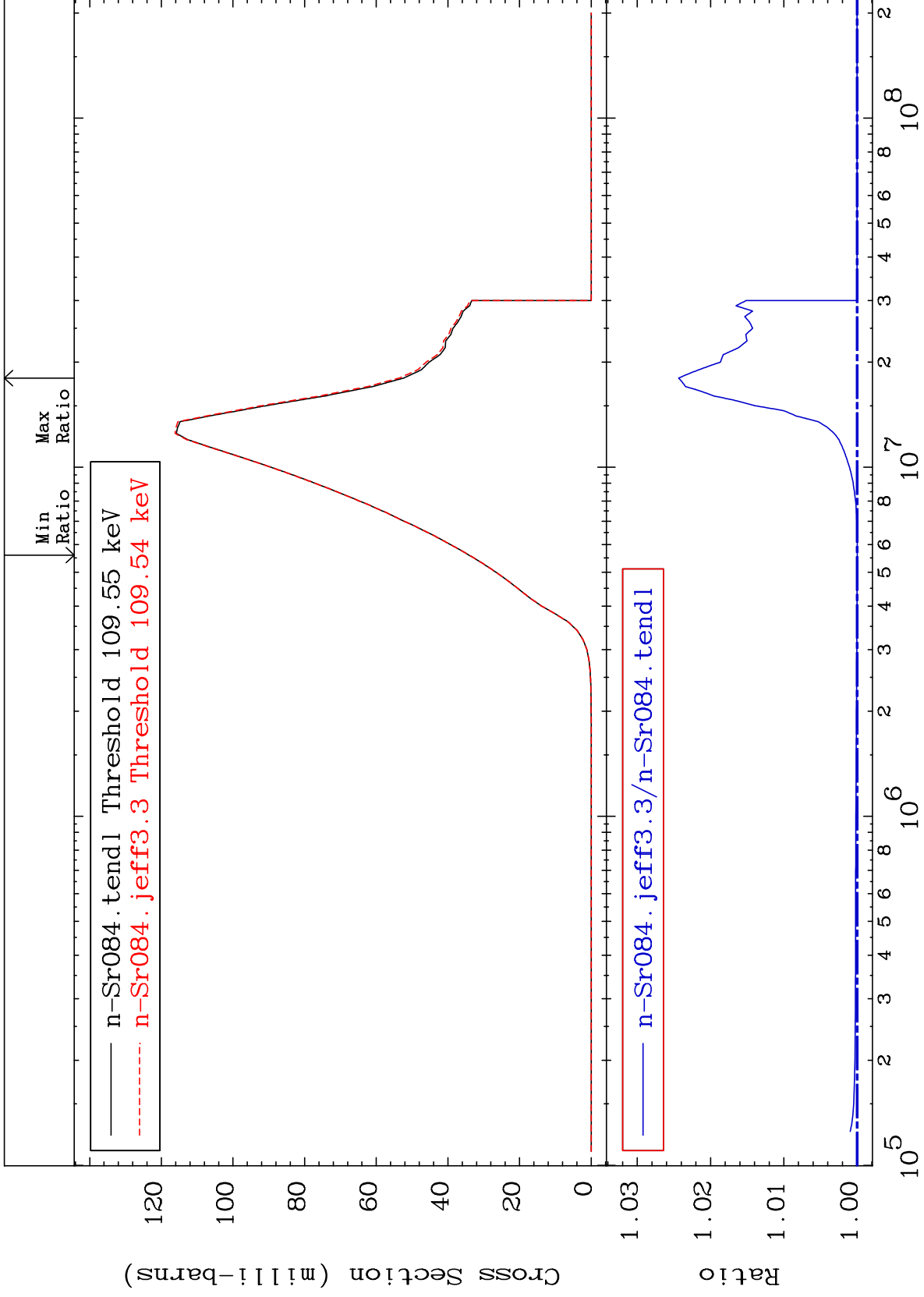
38-Sr-84



MAT 3825

³⁸Sr-84

(n,p)
Cross Section
-0.002 To 2.435 %



45

Incident Energy (eV)

³⁸Sr-84

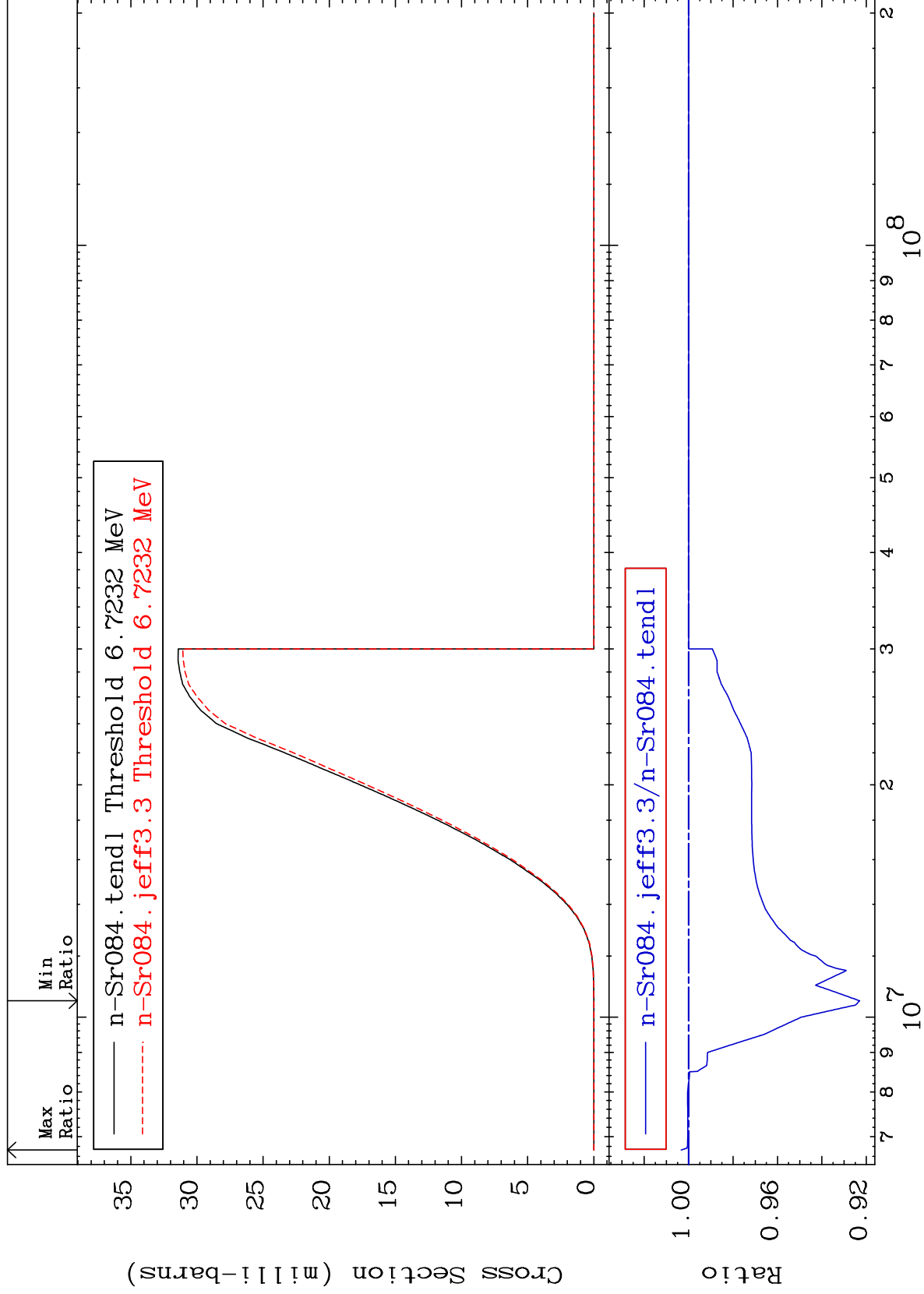
MAT 3825

(n, d)

38-Sr-84

Cross Section

-7.698 To 0.336 %



46

Incident Energy (eV)

38-Sr-84

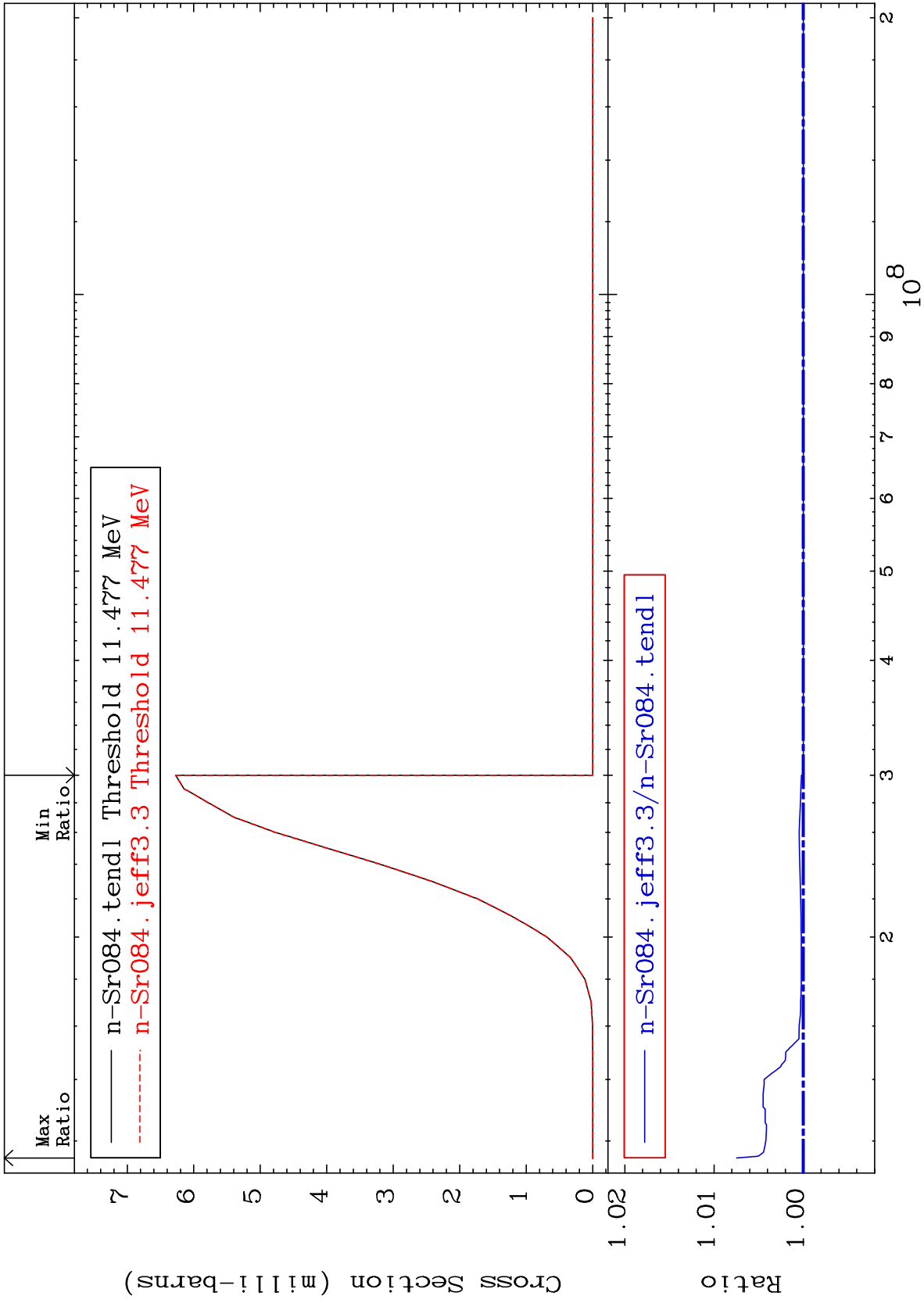
MAT 3825

(n, t)

38-Sr-84

Cross Section

0.000 To 0.748 %



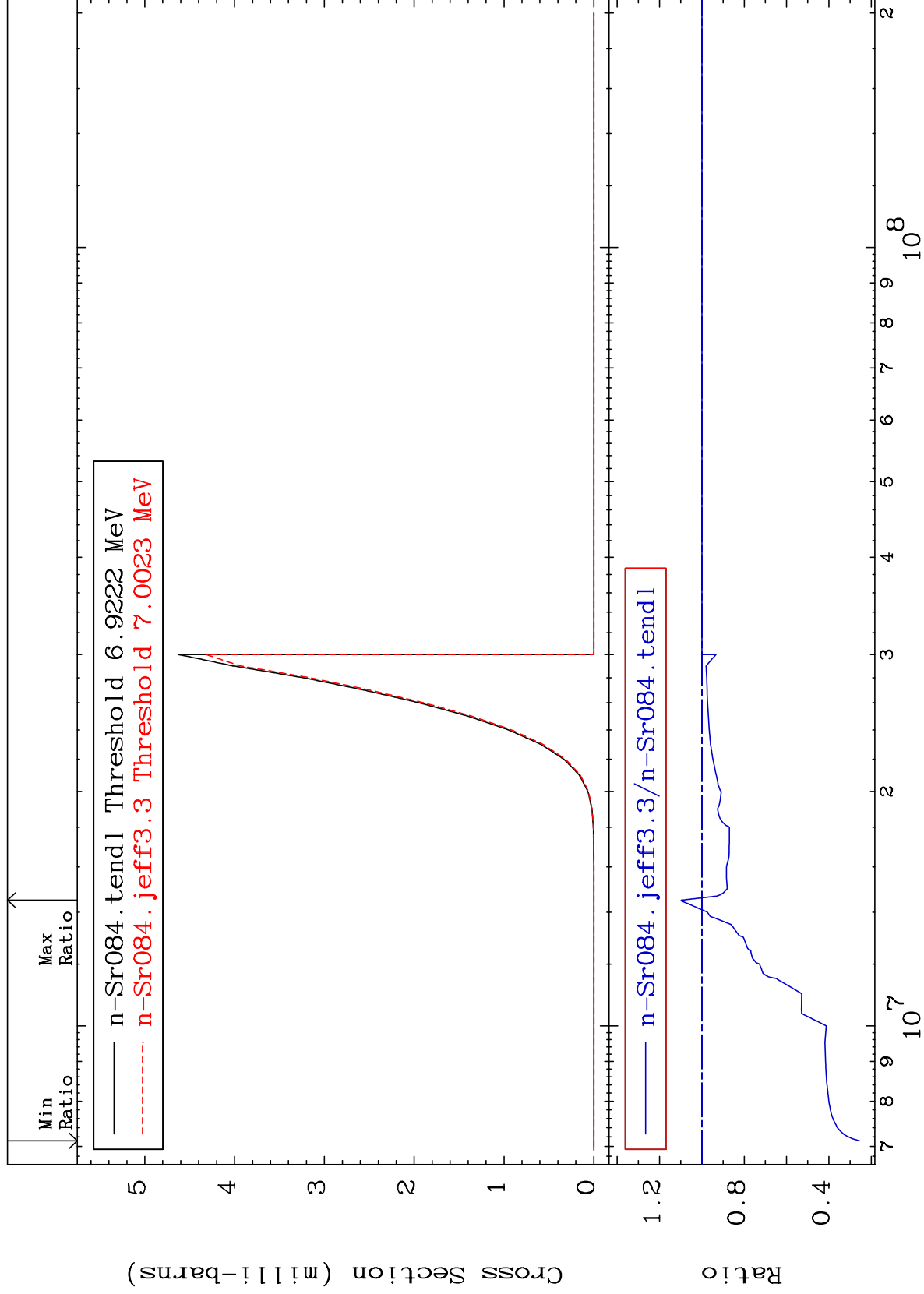
MAT 3825

(n, He-3)

38-Sr-84

Cross Section

-74.51 To 9.770 %



48

38-Sr-84

38-Sr-84

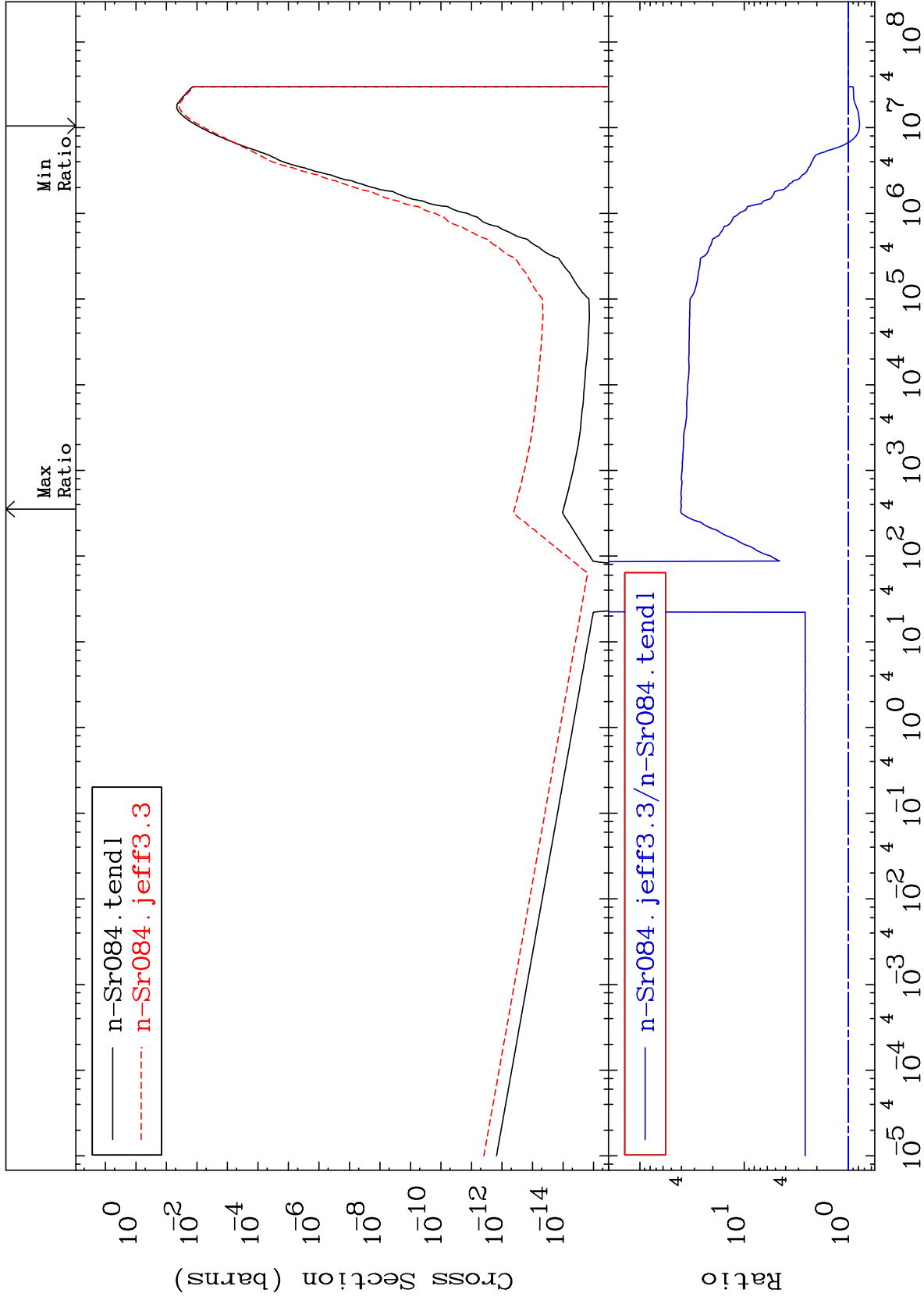
MAT 3825

(n, α)

38-Sr-84

Cross Section

-22.04 To 3959. %



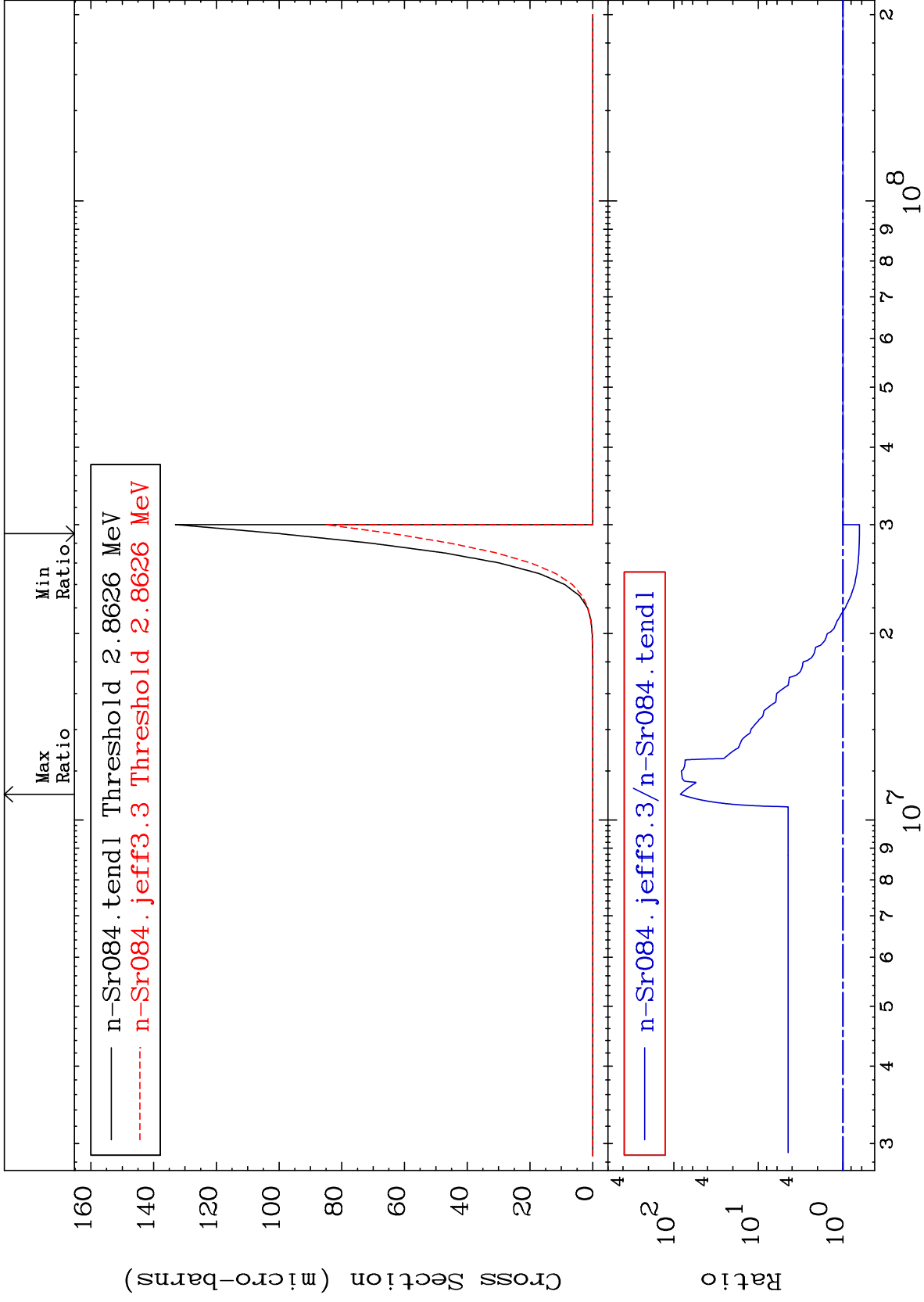
49

Incident Energy (eV)

38-Sr-84

Cross Section

-36.17 To 8266. %



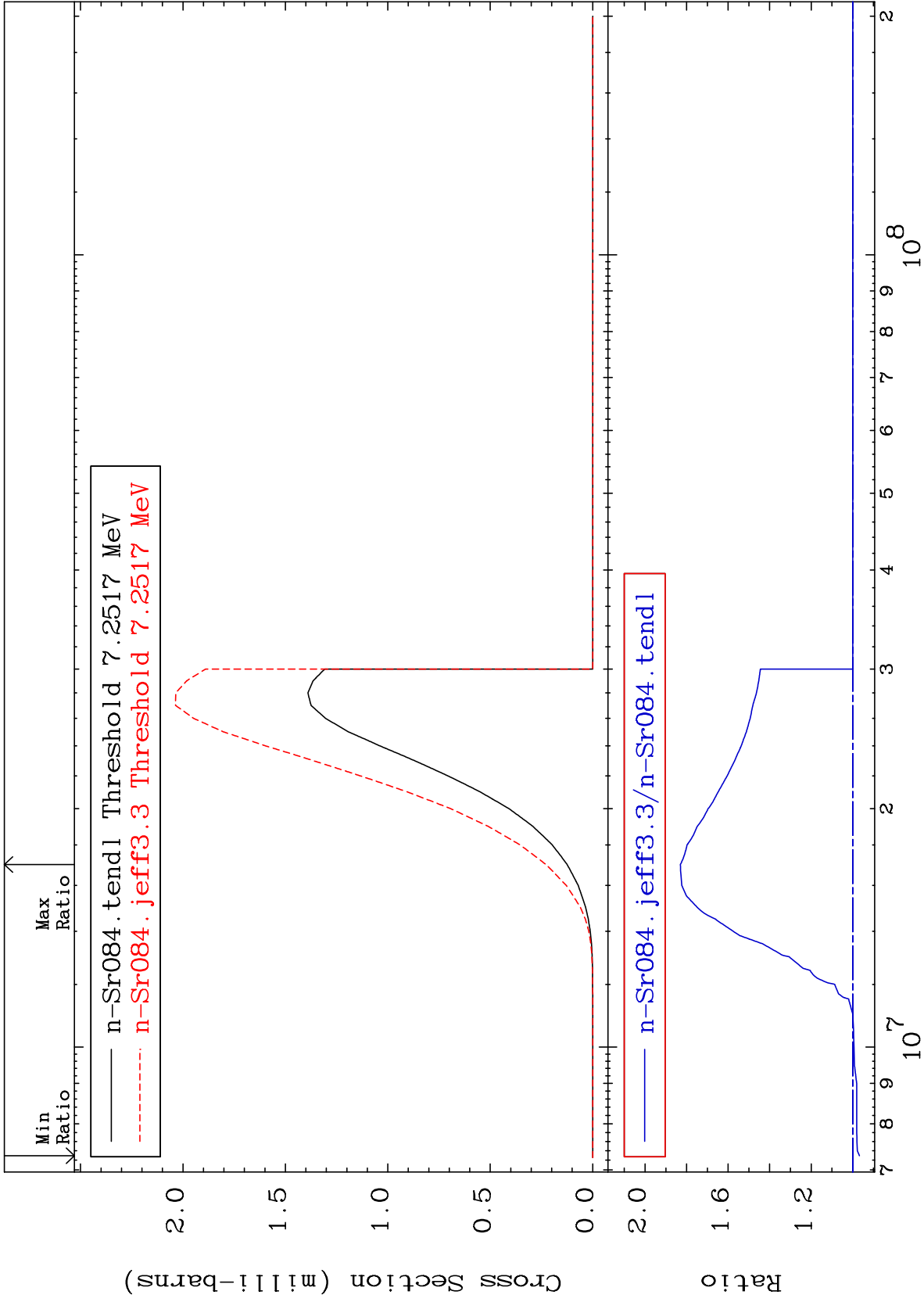
MAT 3825

(n,2p)

38-Sr-84

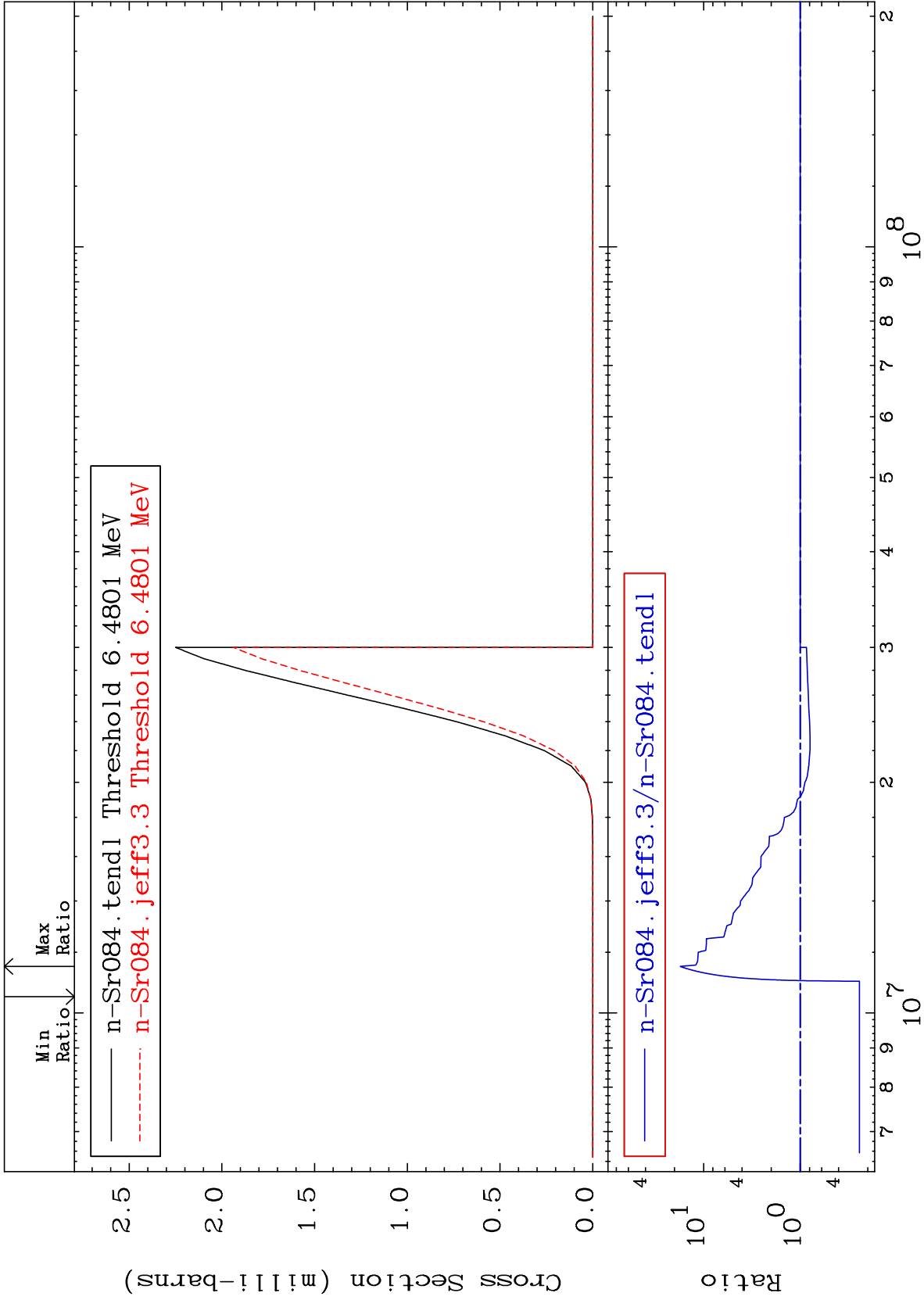
Cross Section

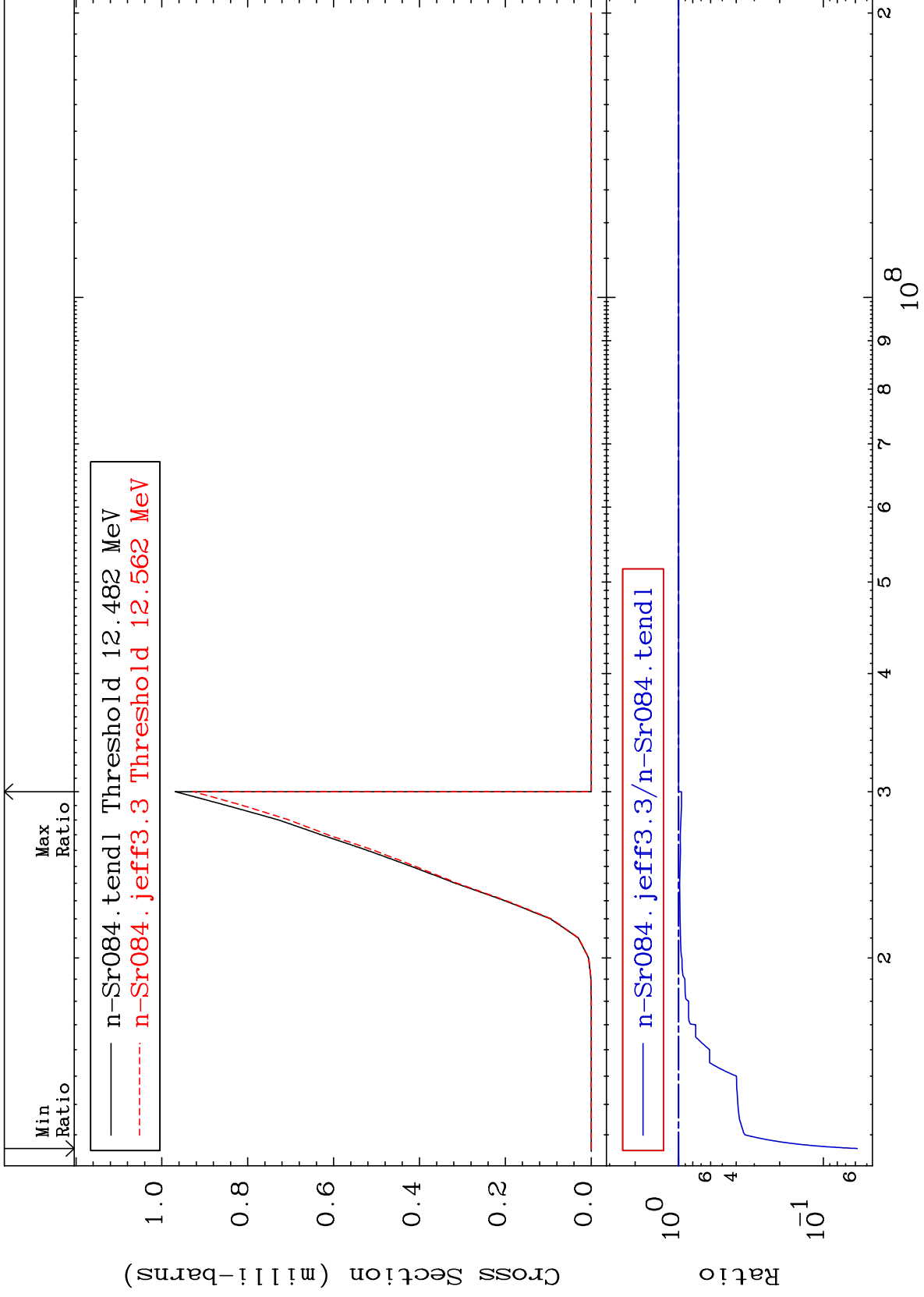
-3.248 To 83.00 %



Cross Section

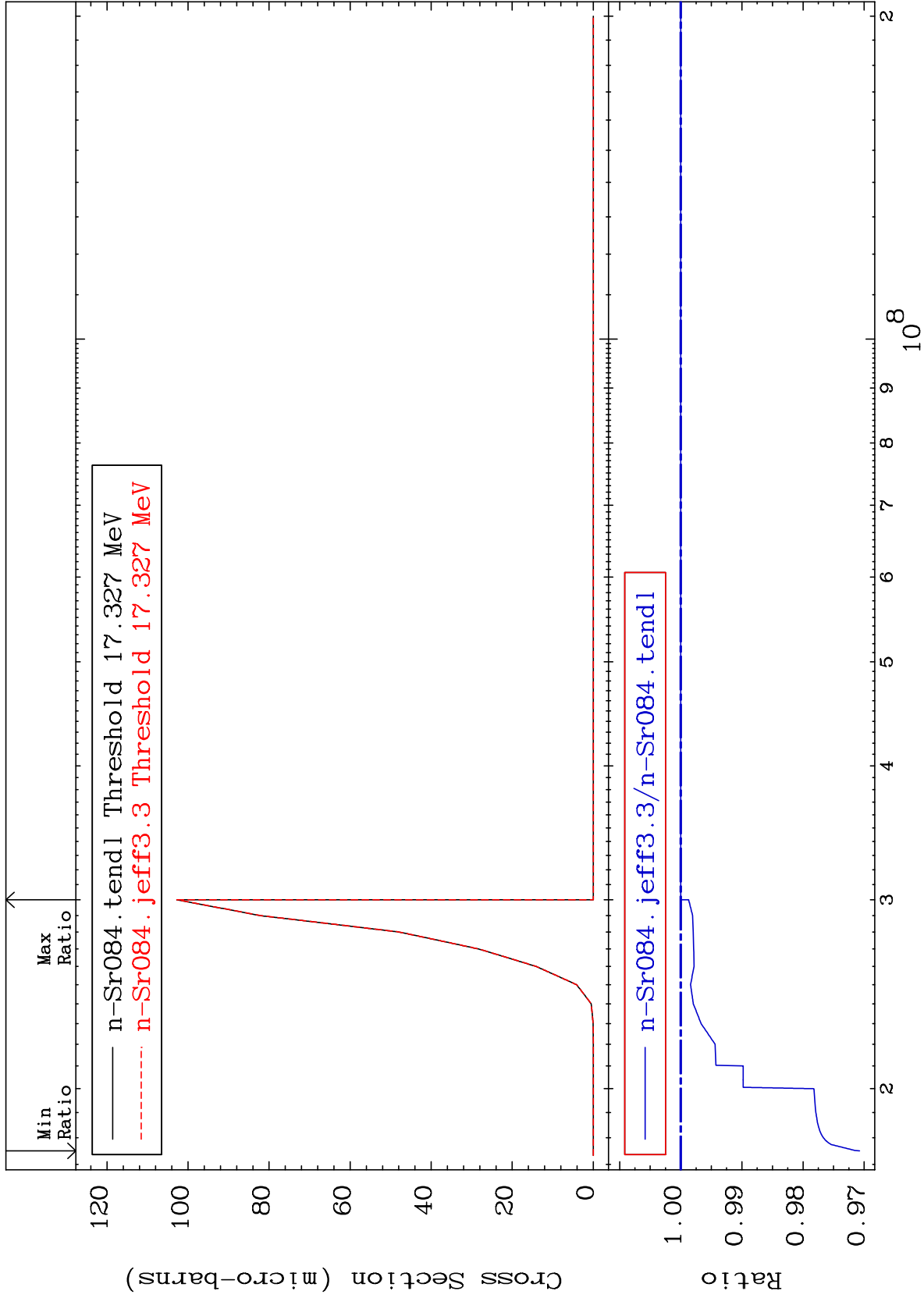
-75.61 To 1639. %





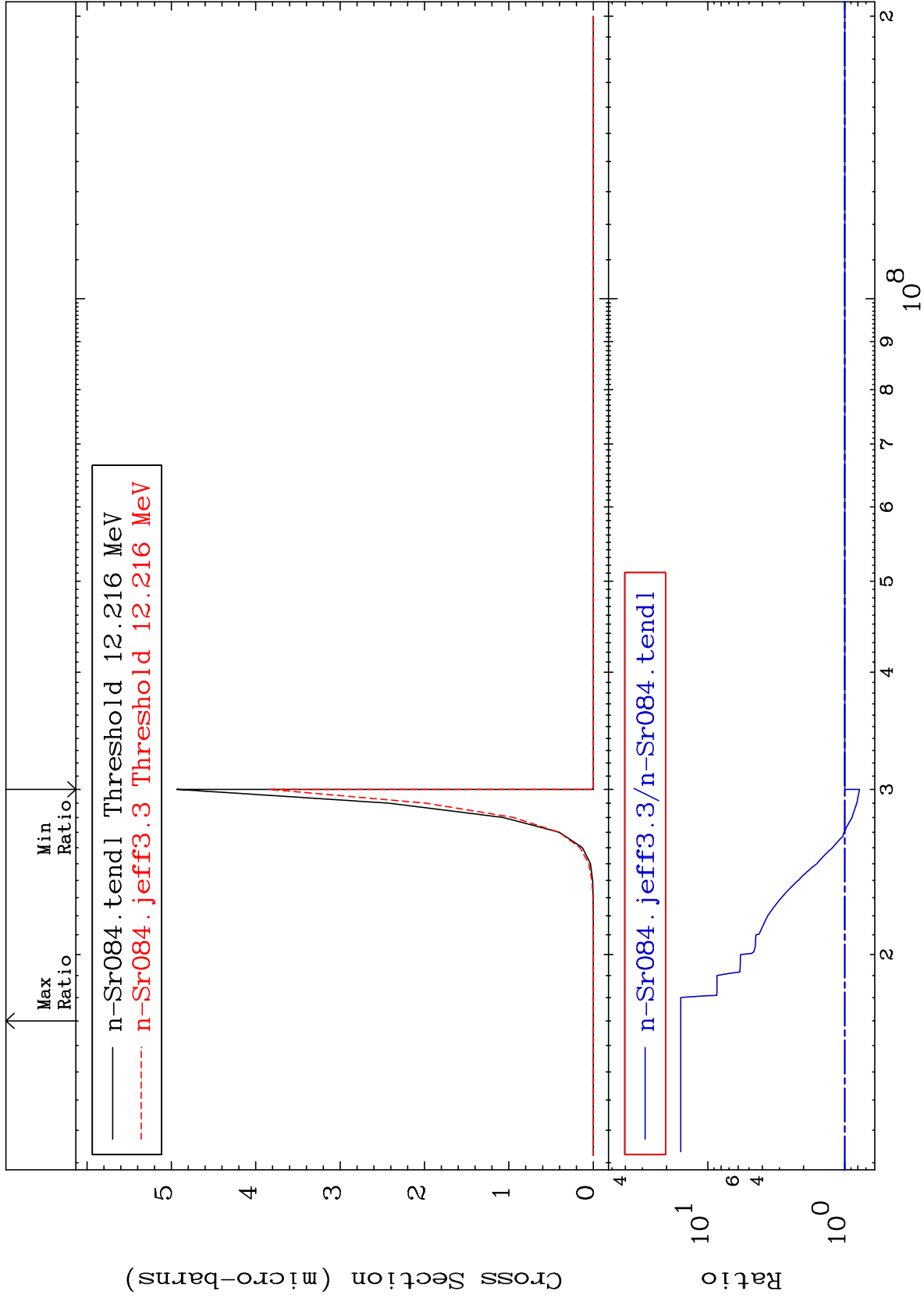
Cross Section

-2.924 To 0.000 %



Cross Section

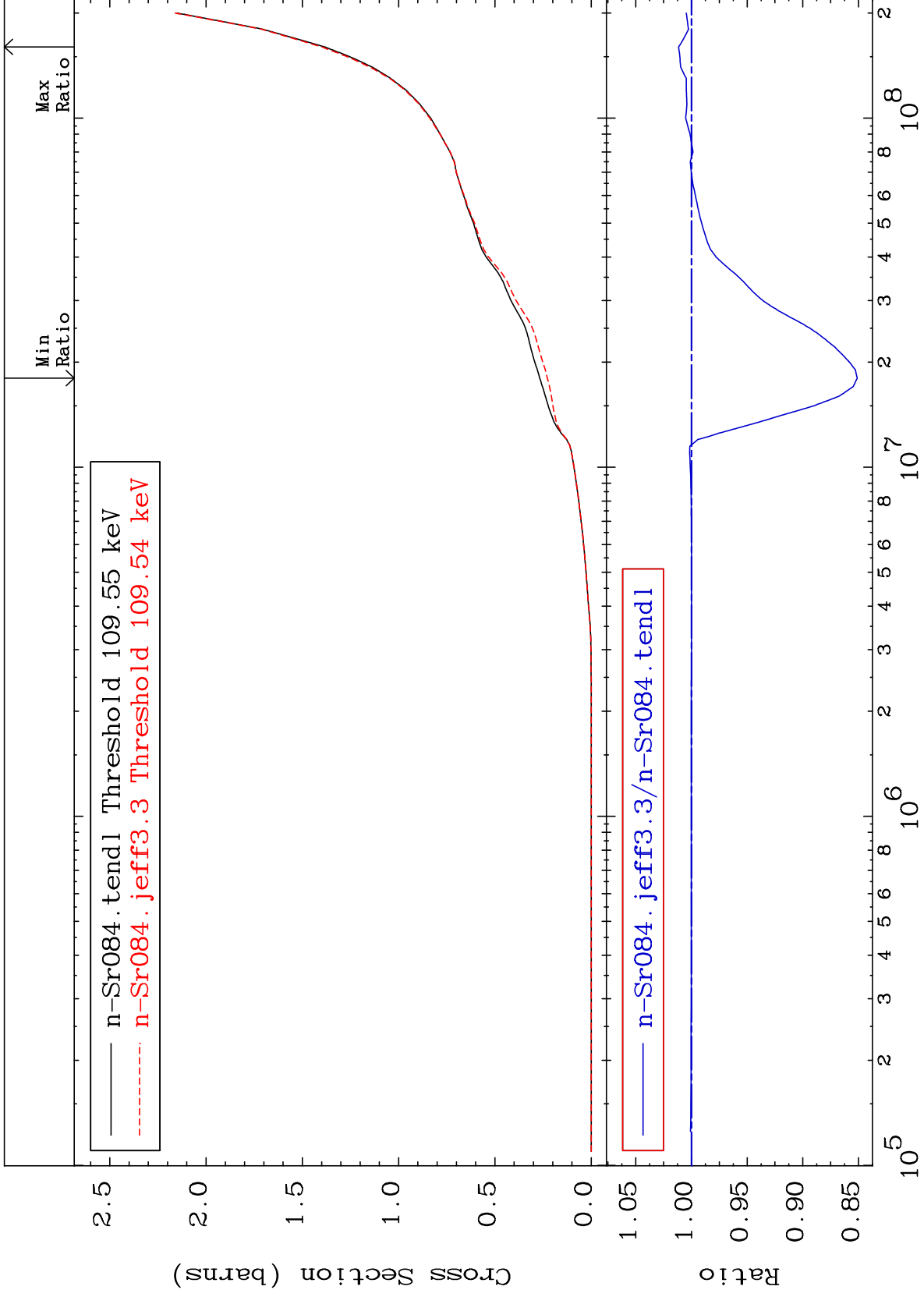
-22.08 To 1474. %



MAT 3825

Hydrogen Production
Cross Section

38-Sr-84
-14.89 To 1.151 %



56

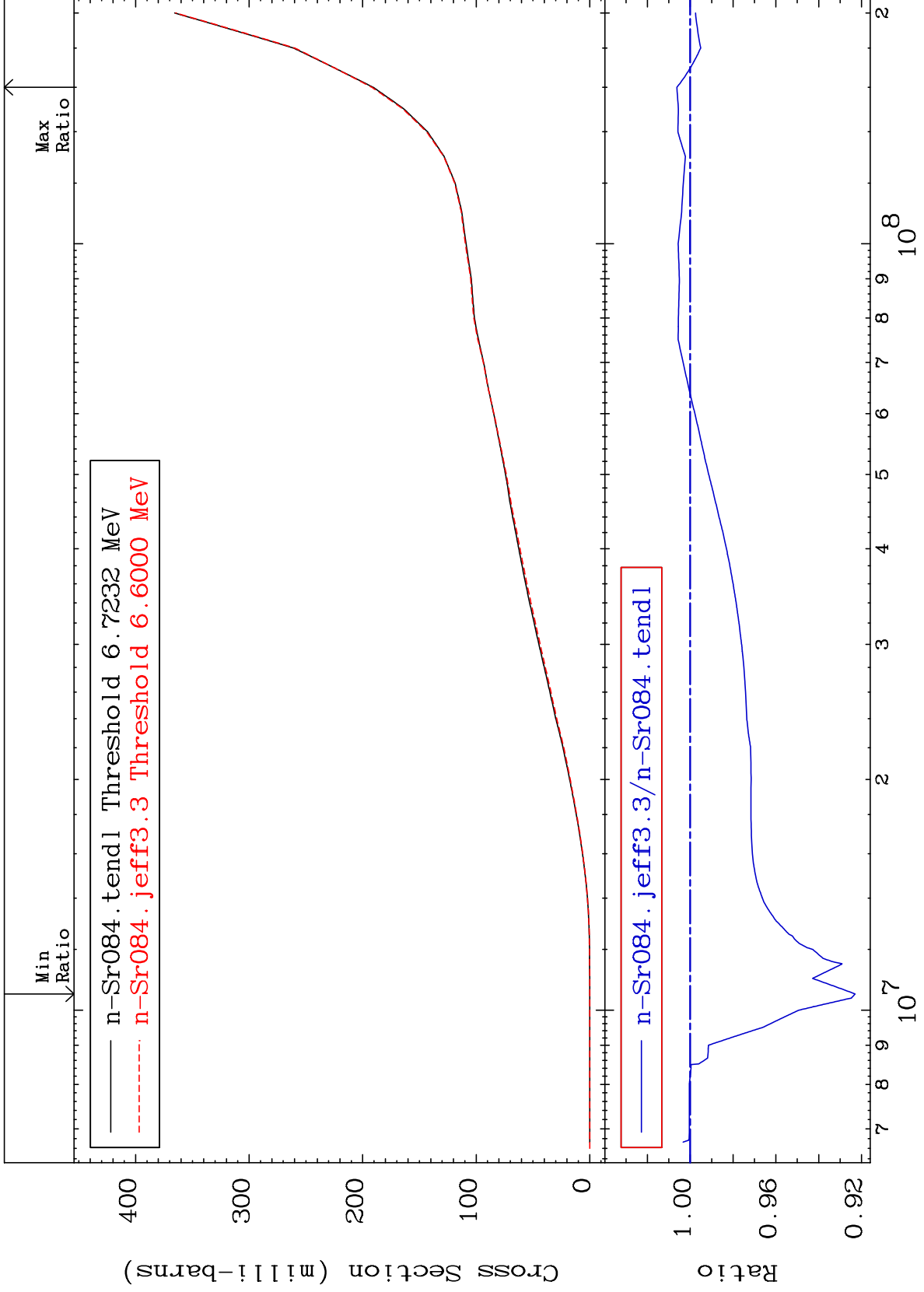
Incident Energy (eV)

38-Sr-84

MAT 3825

Deuterium Production
Cross Section

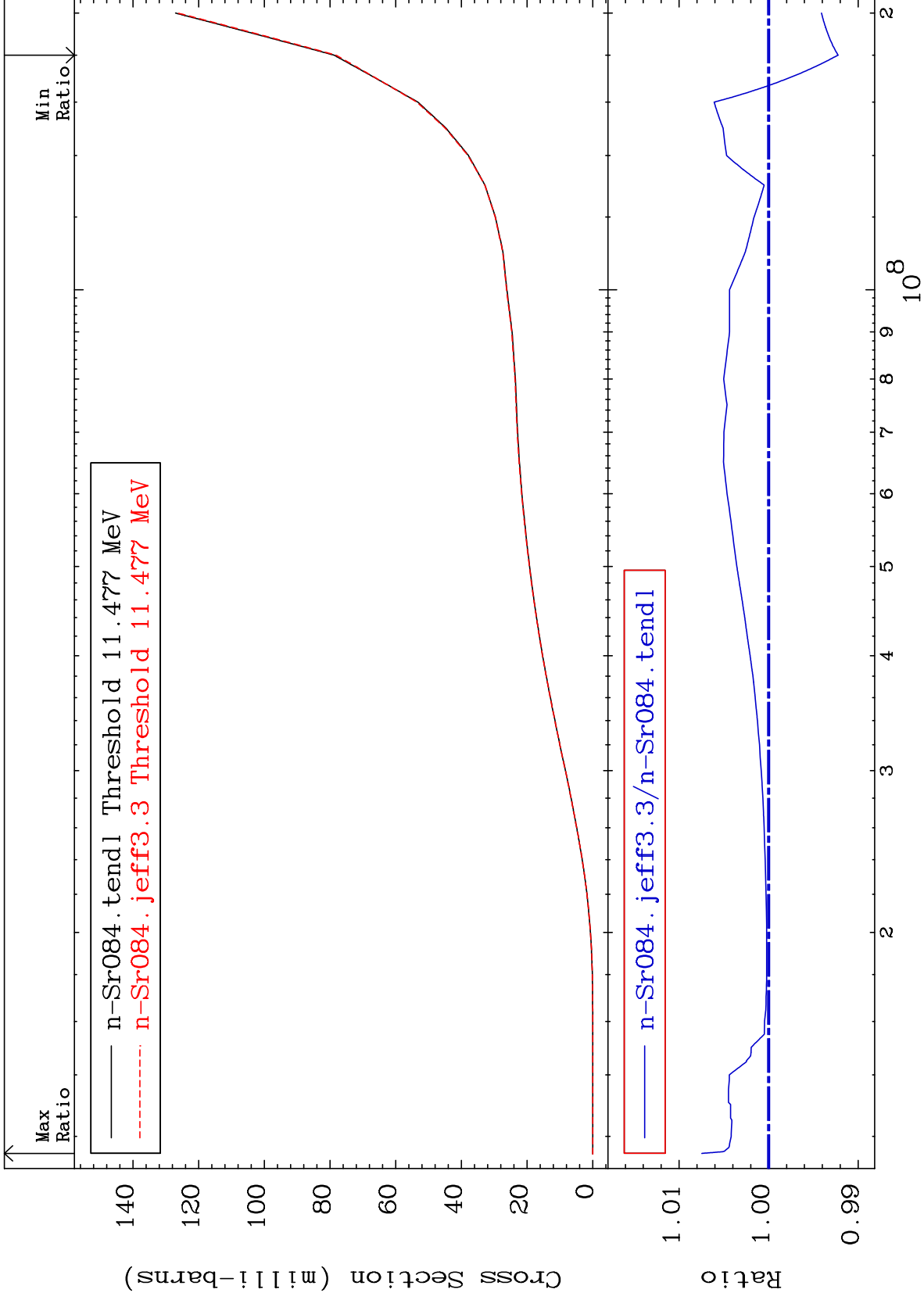
38-Sr-84
-7.698 To 0.621 %



57

Incident Energy (eV)

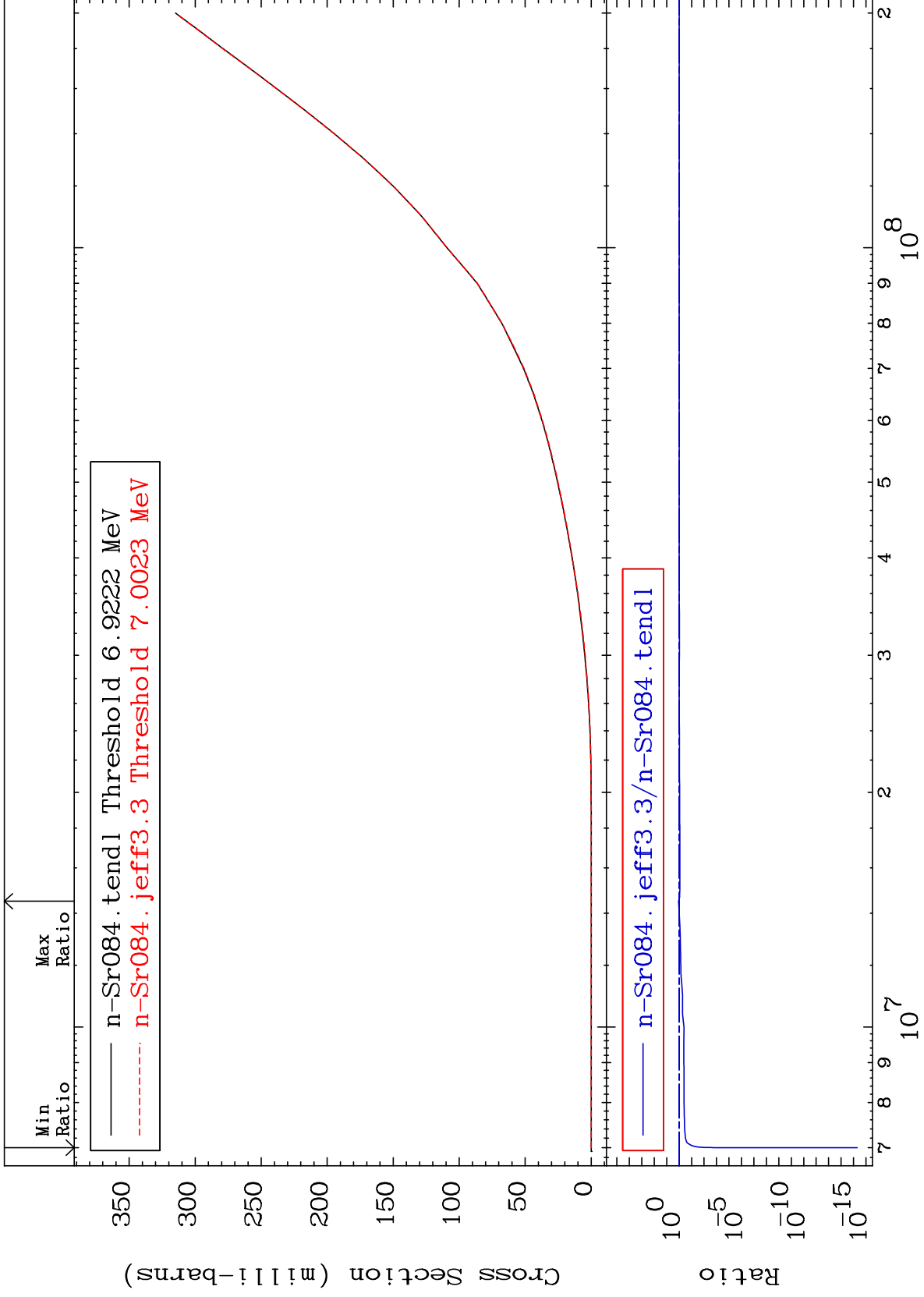
38-Sr-84



MAT 3825

He-3 Production
Cross Section

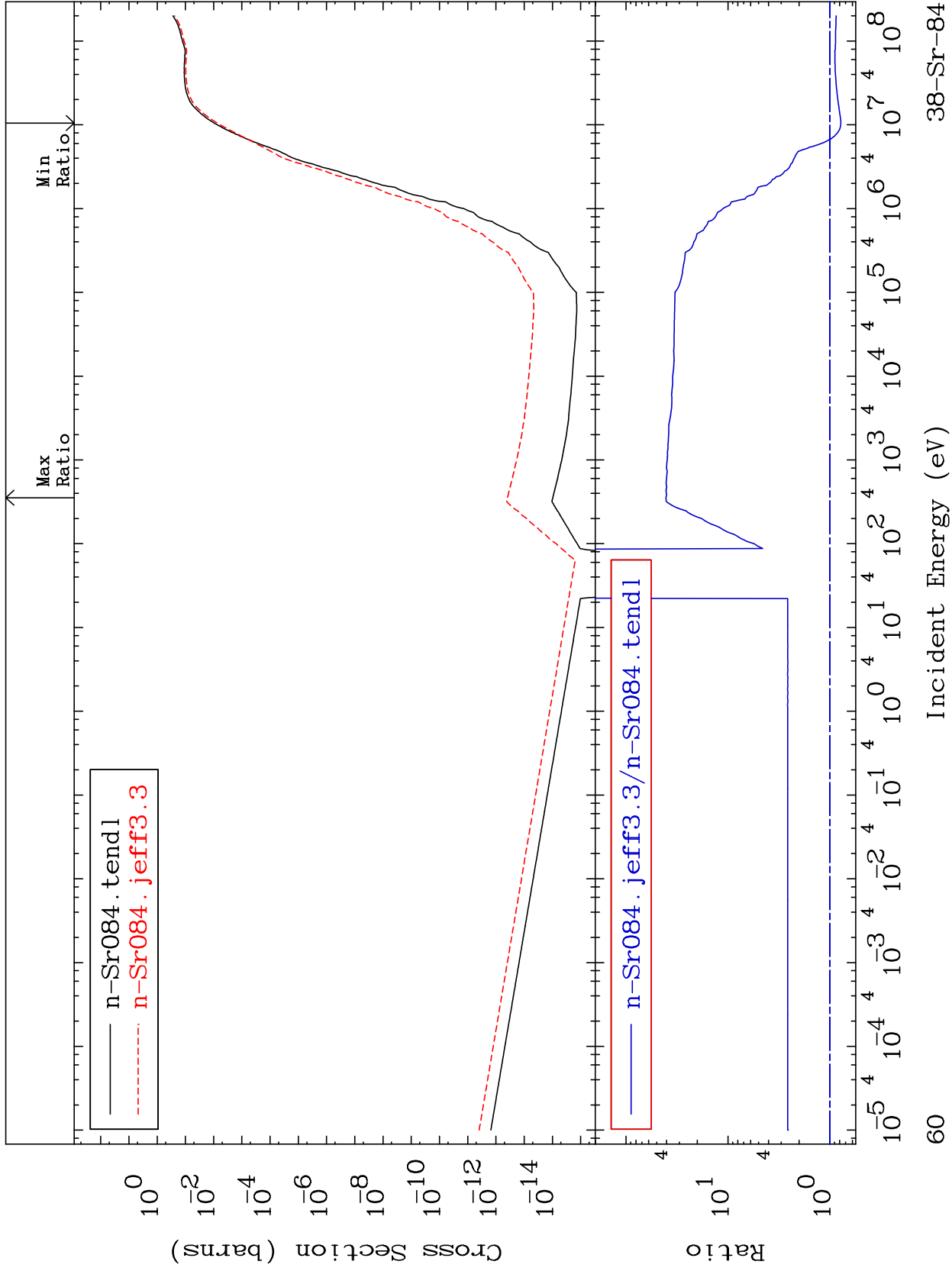
38-Sr-84
-100.0 To 9.770 %

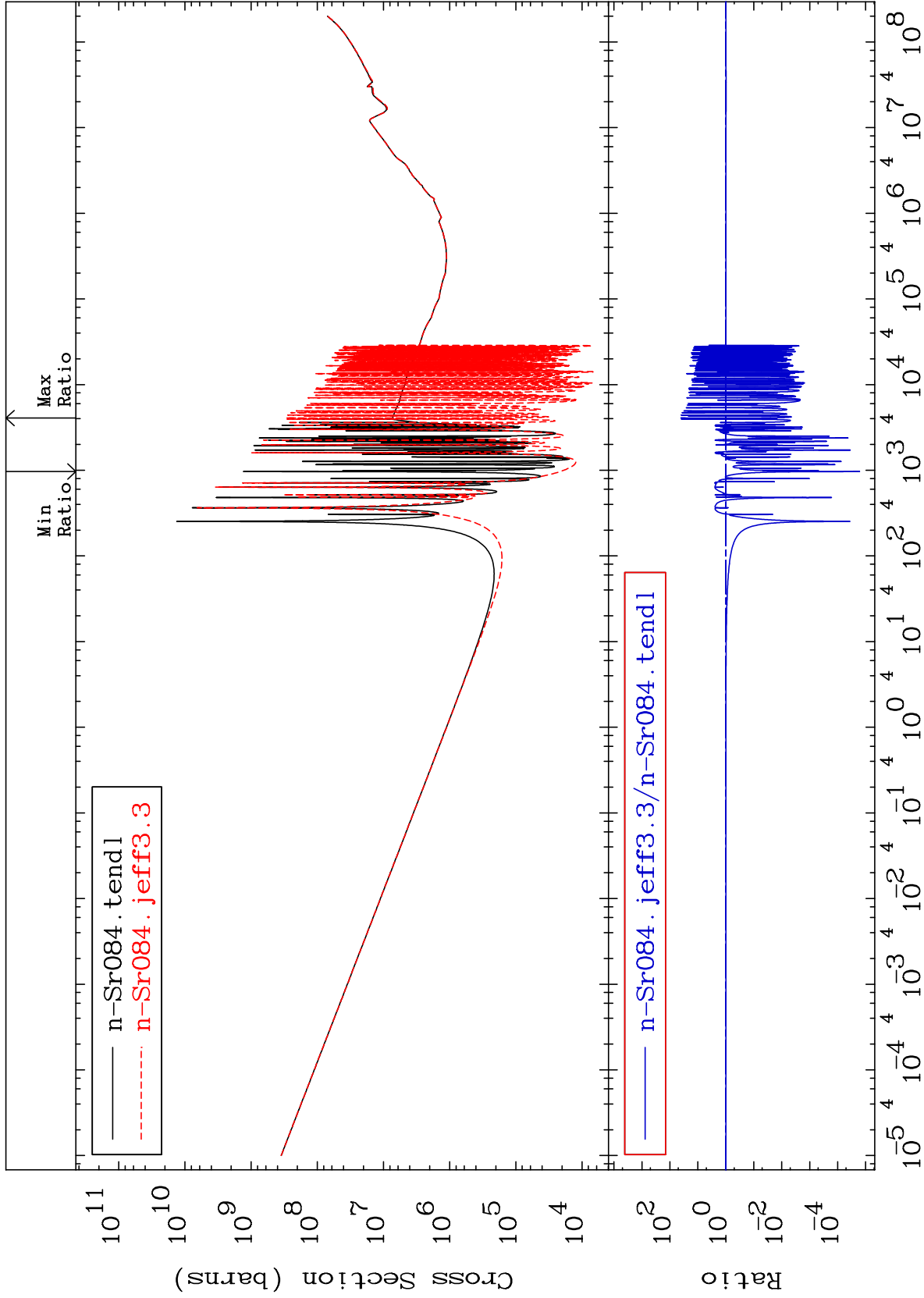


MAT 3825

He-4 Production
Cross Section

38-Sr-84
-22.03 To 3959. %

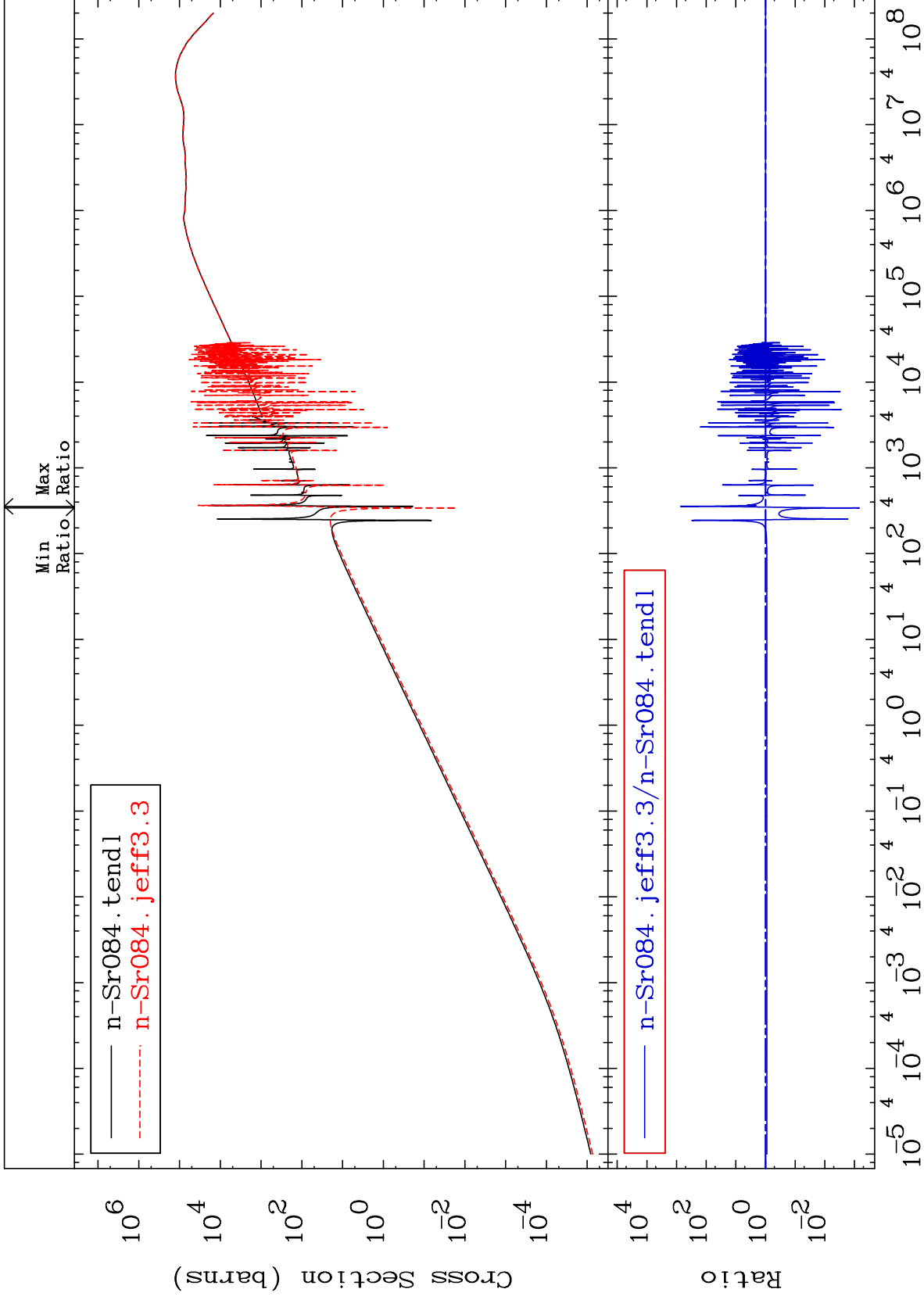


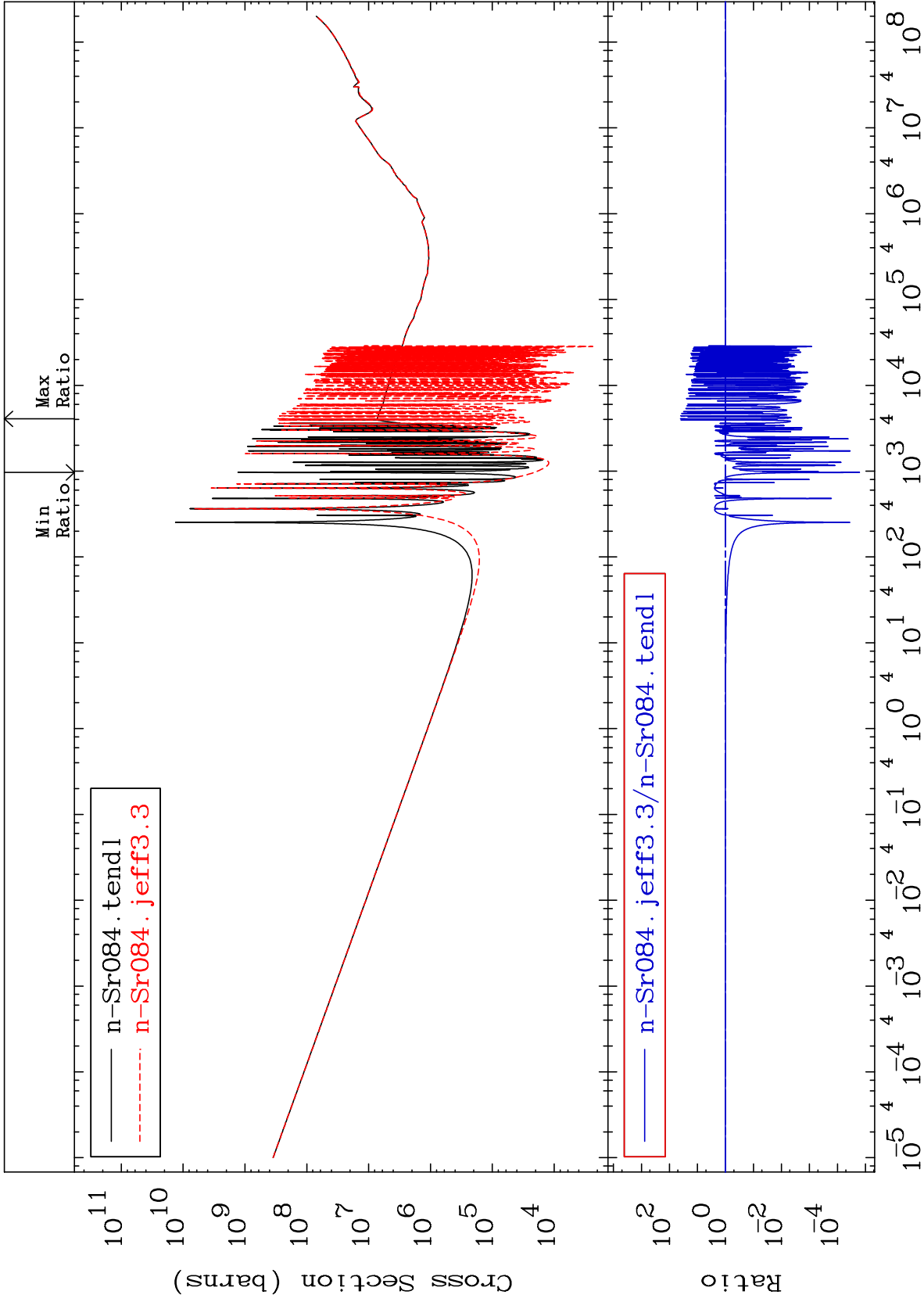


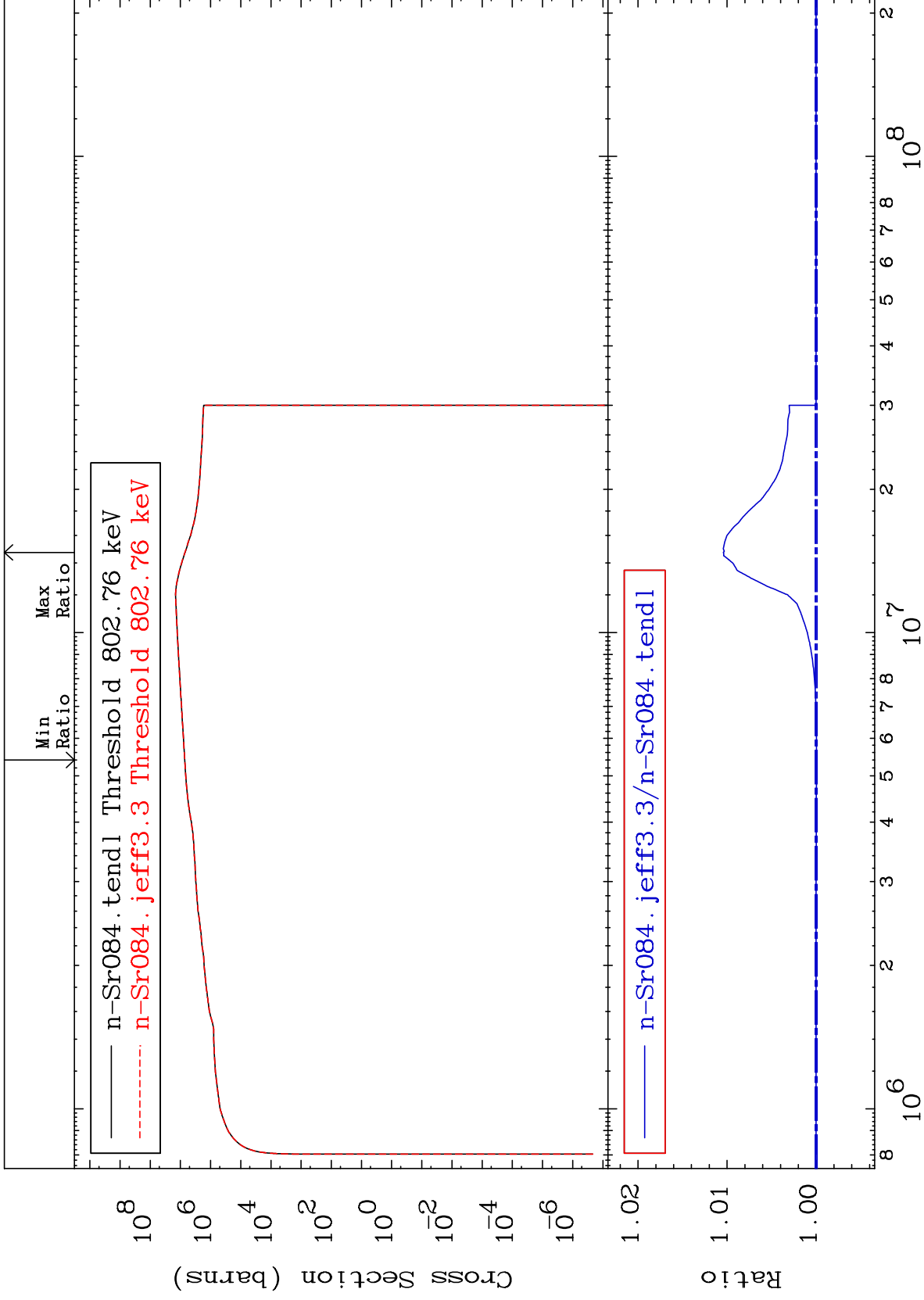
MAT 3825

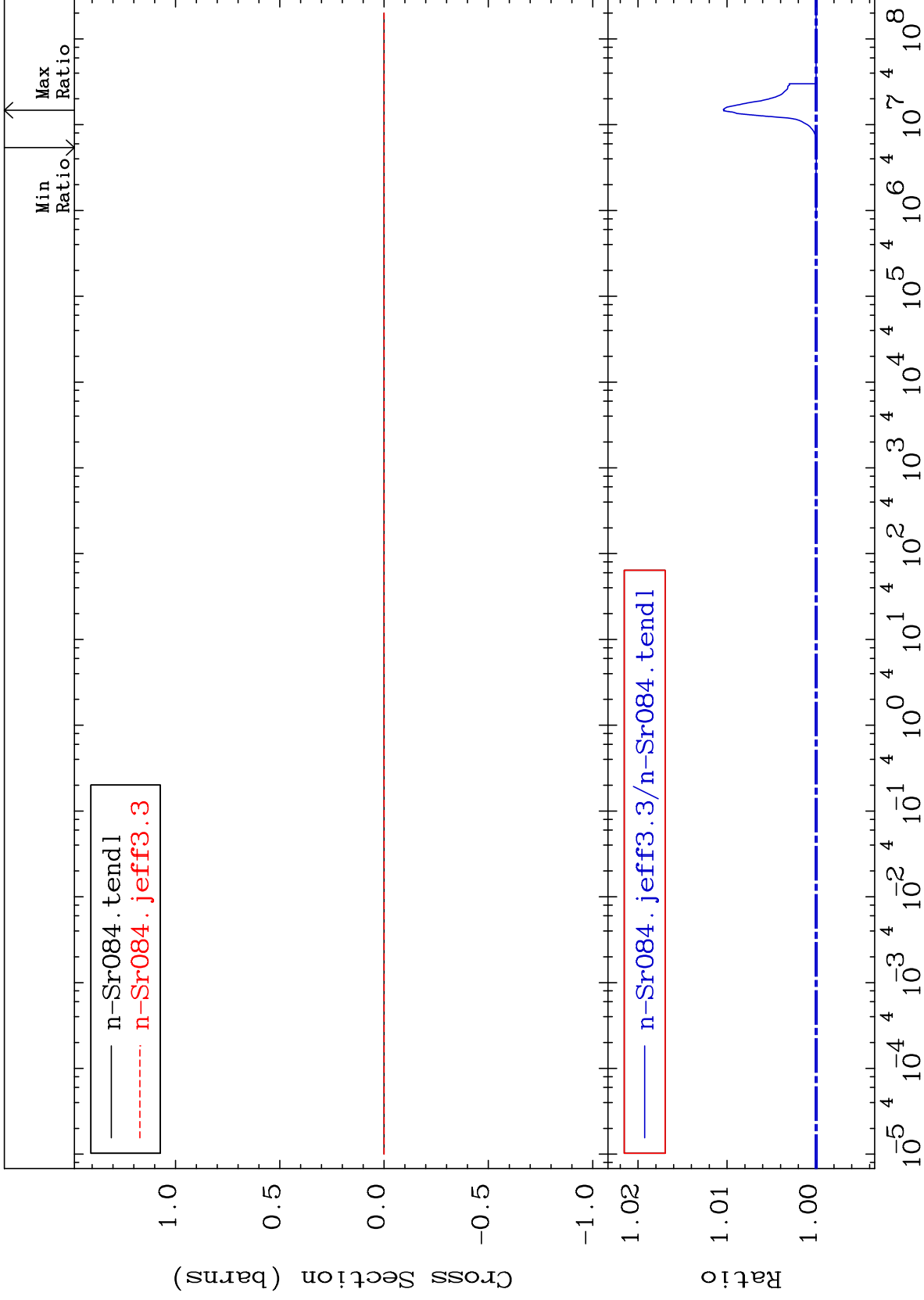
Kerma elastic
Cross Section

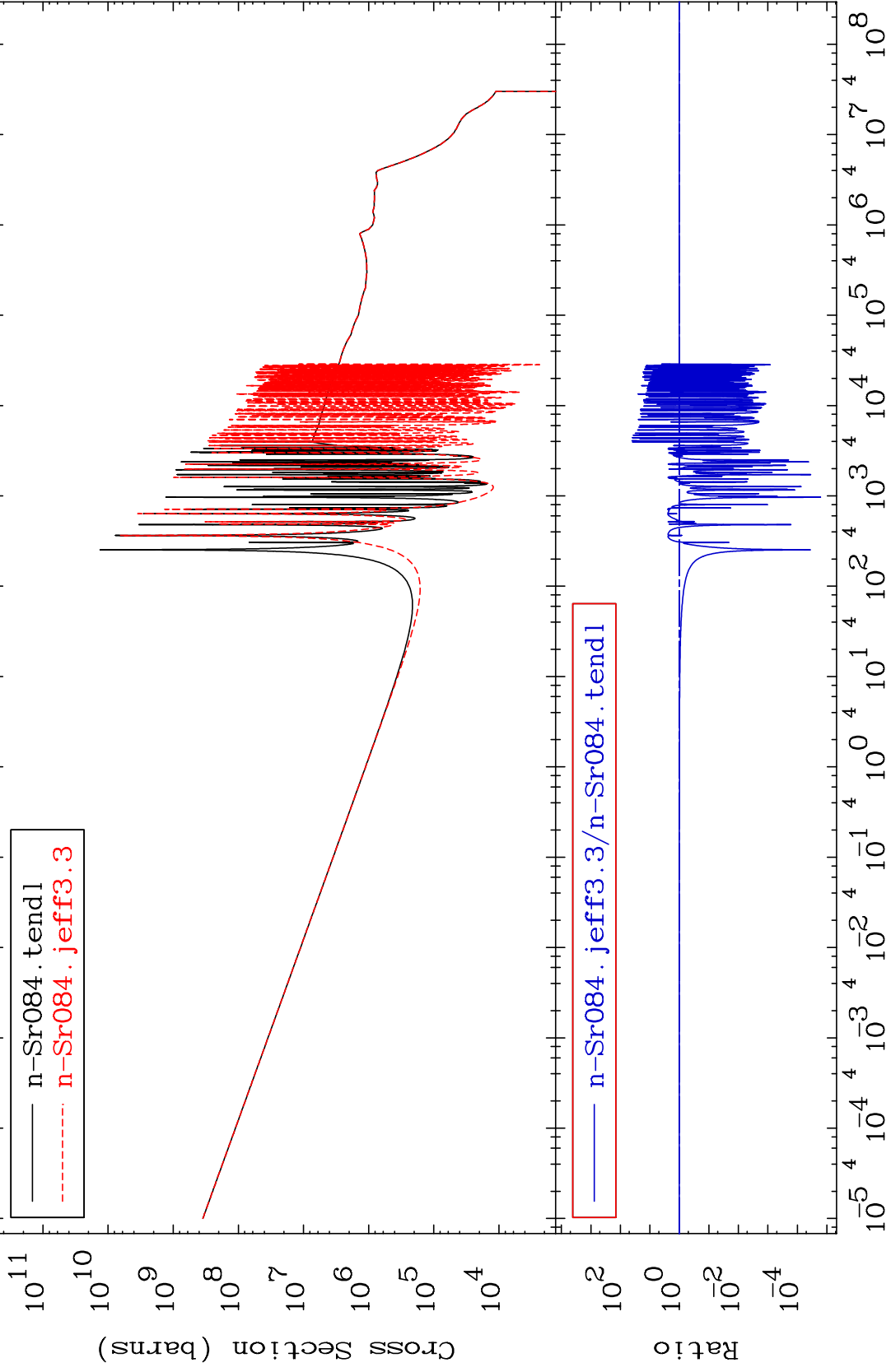
38-Sr-84
-99.93 To 9999. %

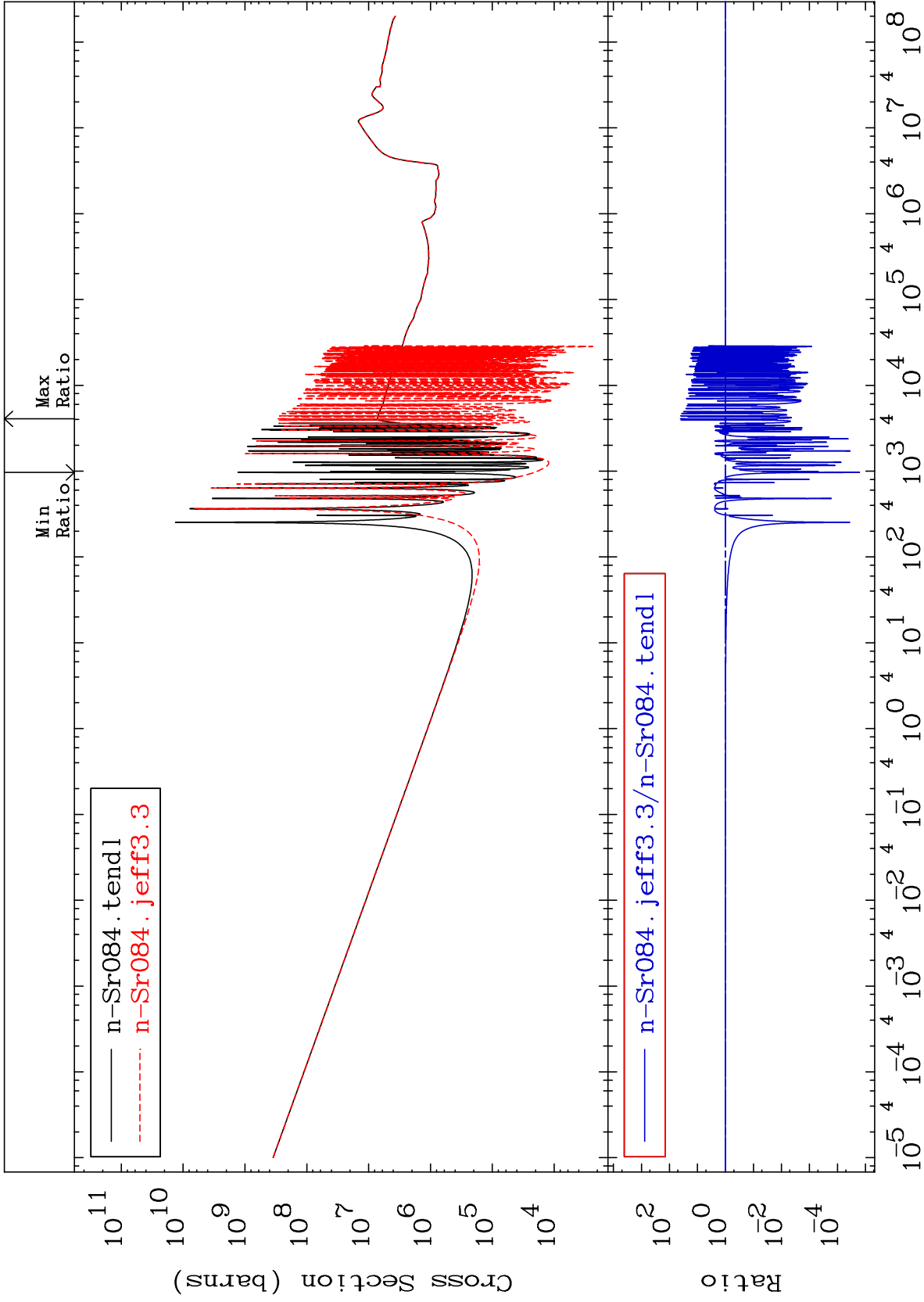


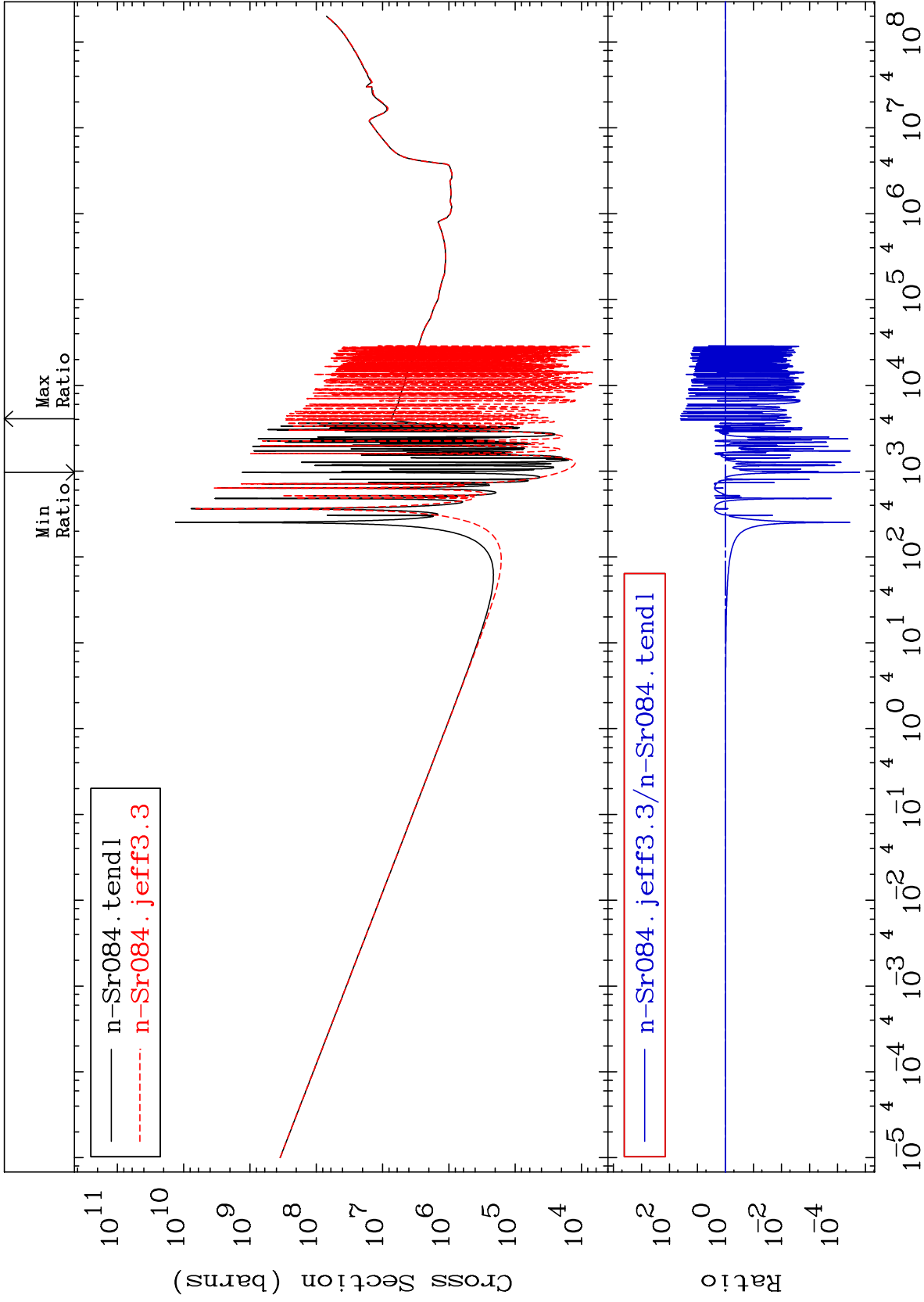


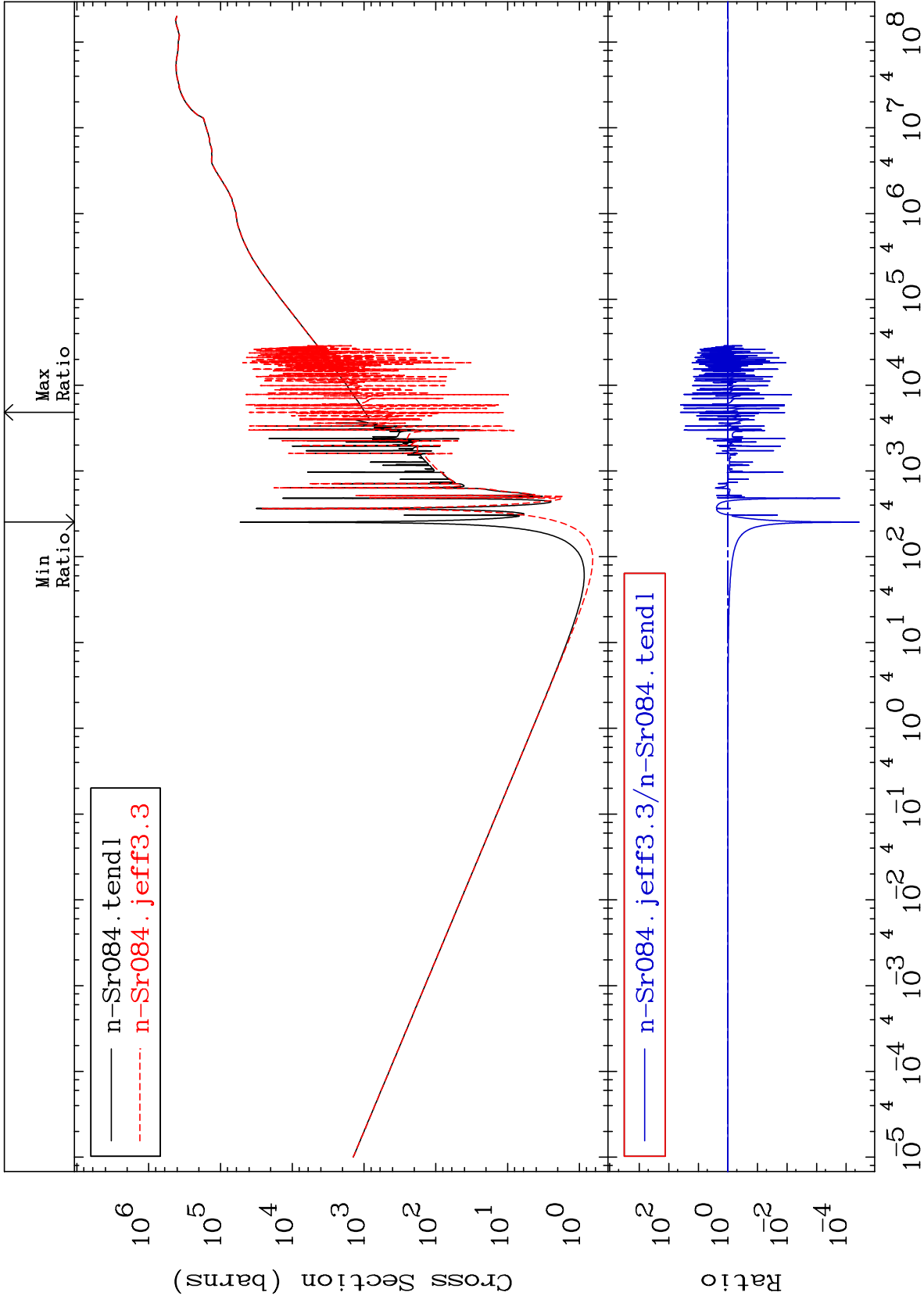


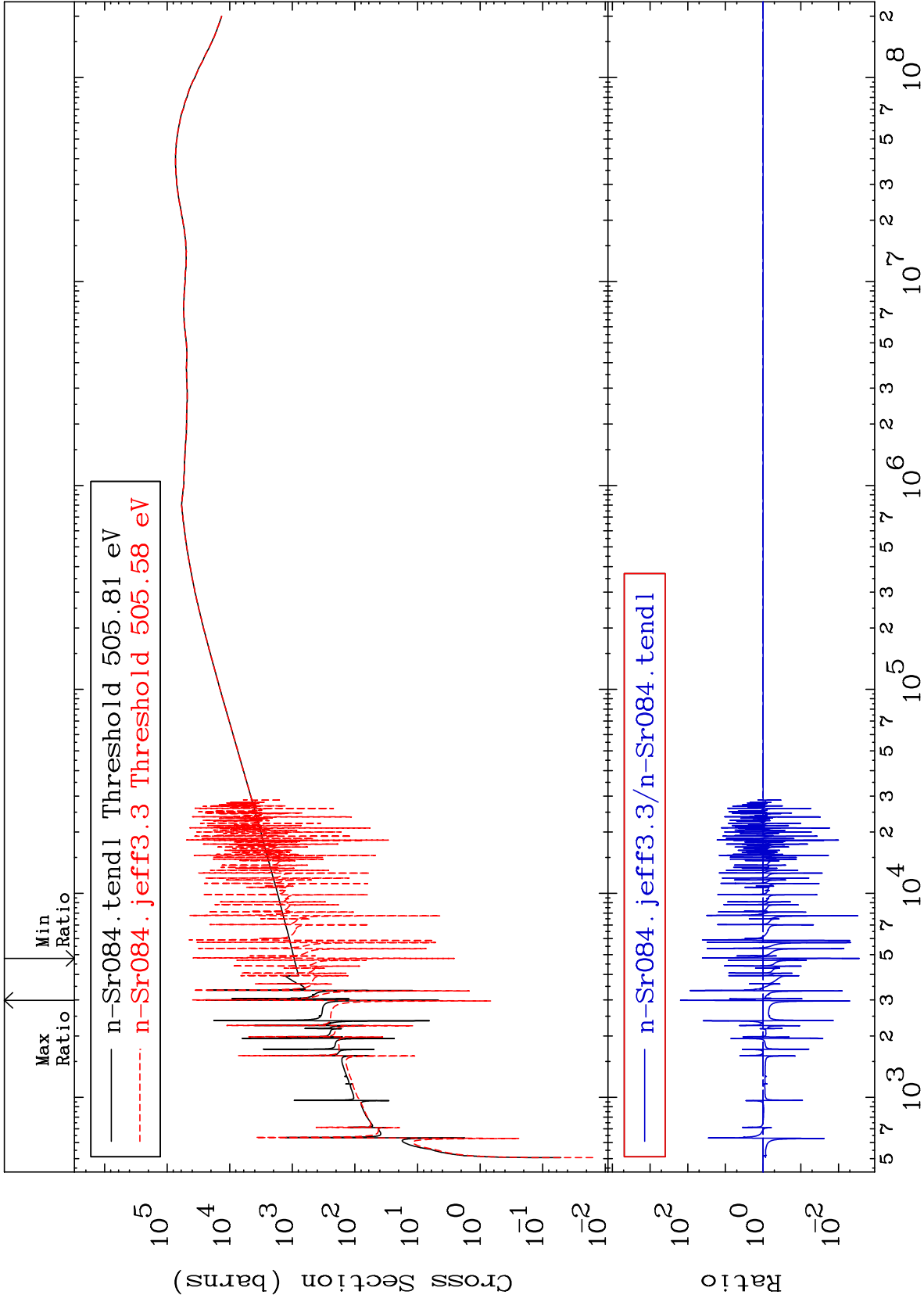


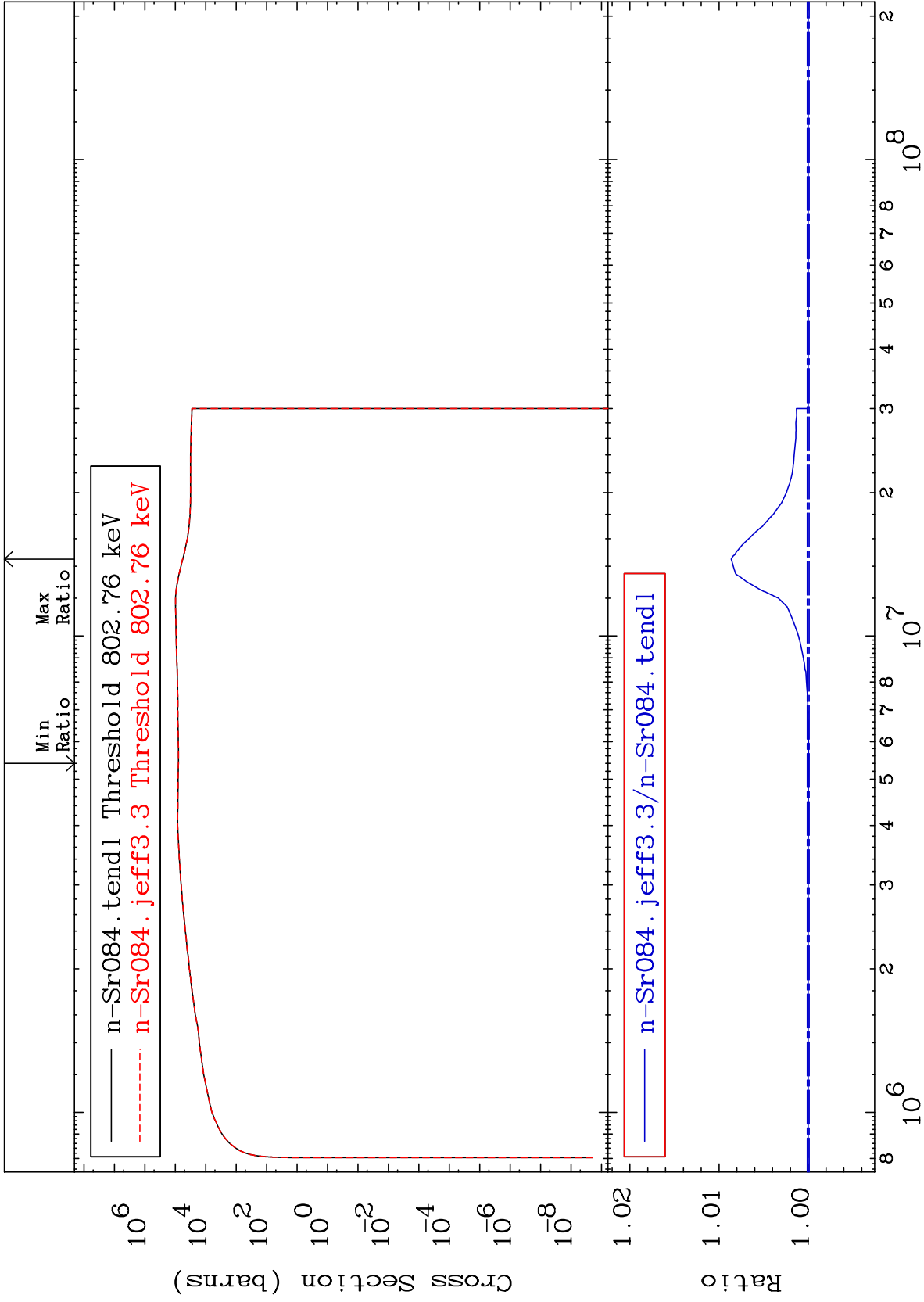


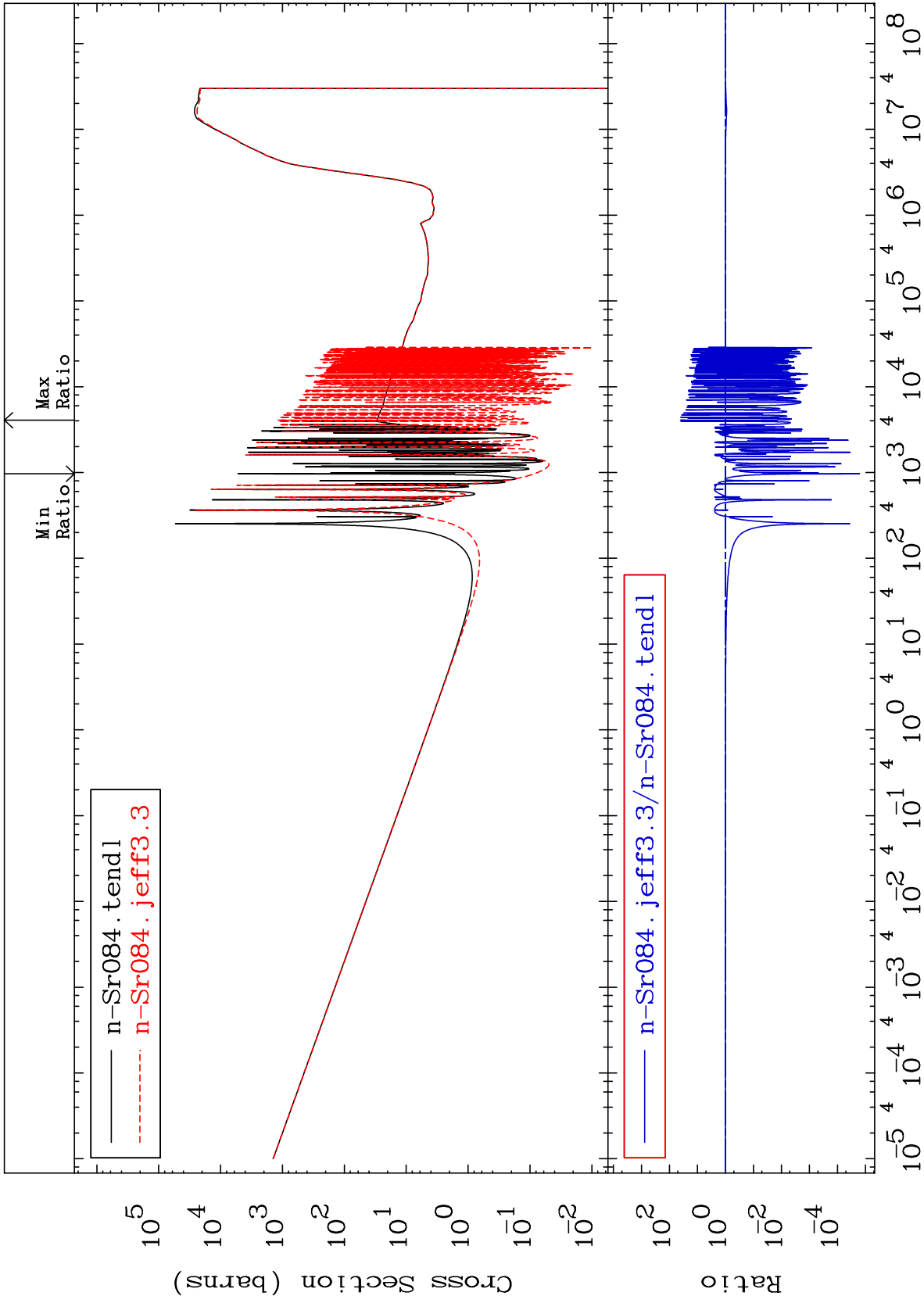


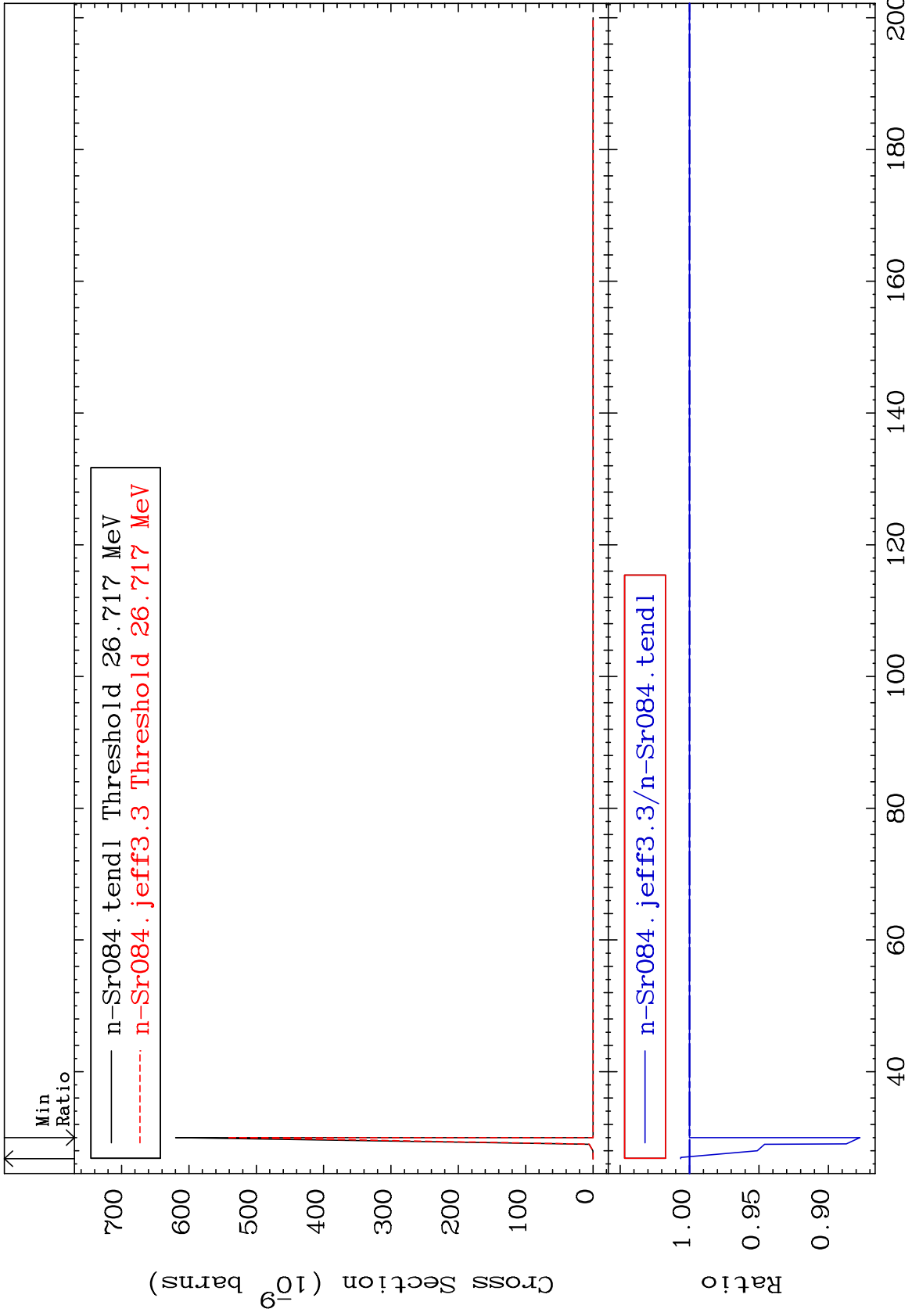




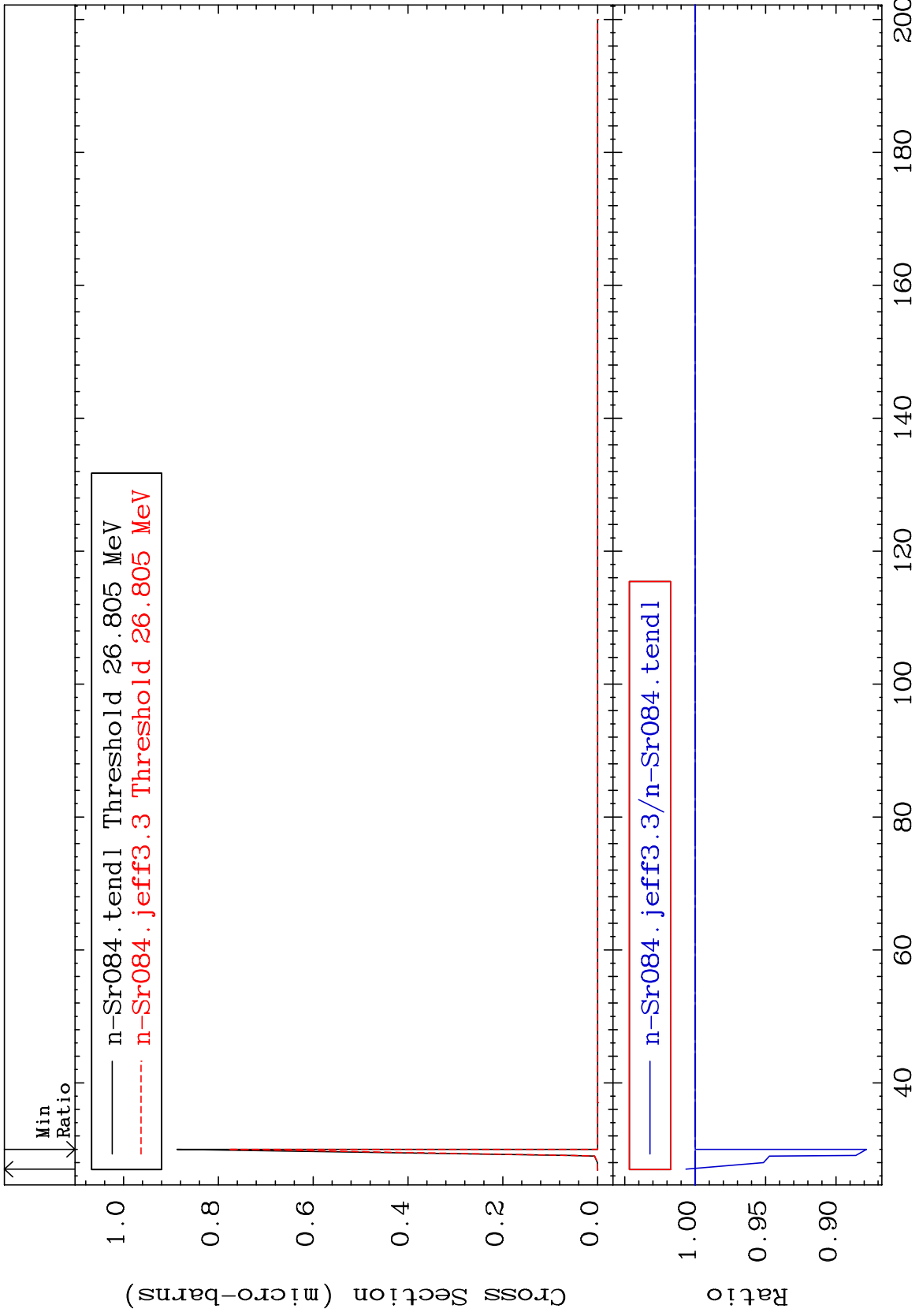




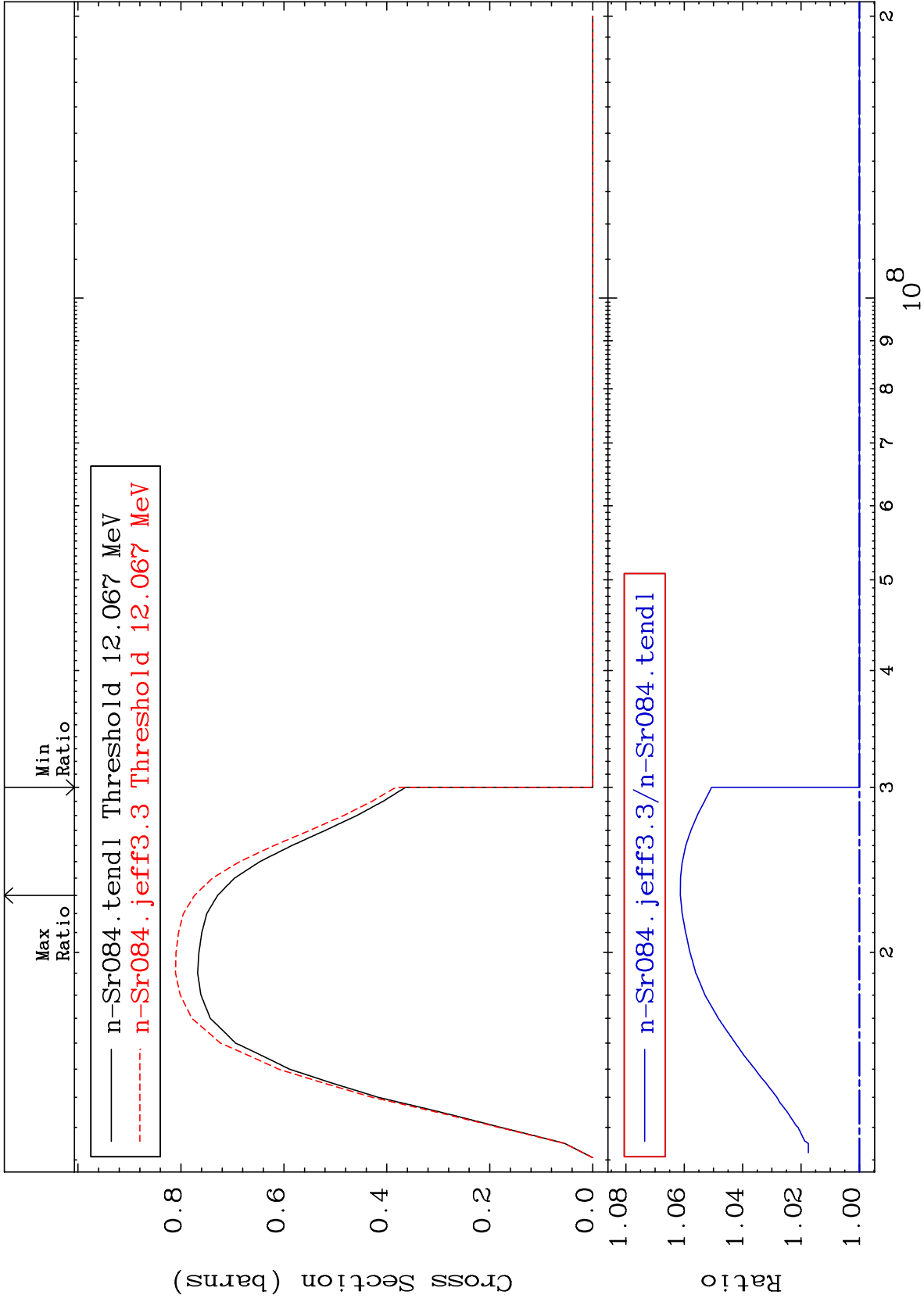




Radionuclide Production Cross Section -12.17 To 0.654 %



Radionuclide Production Cross Section 0.000 To 6.136 %

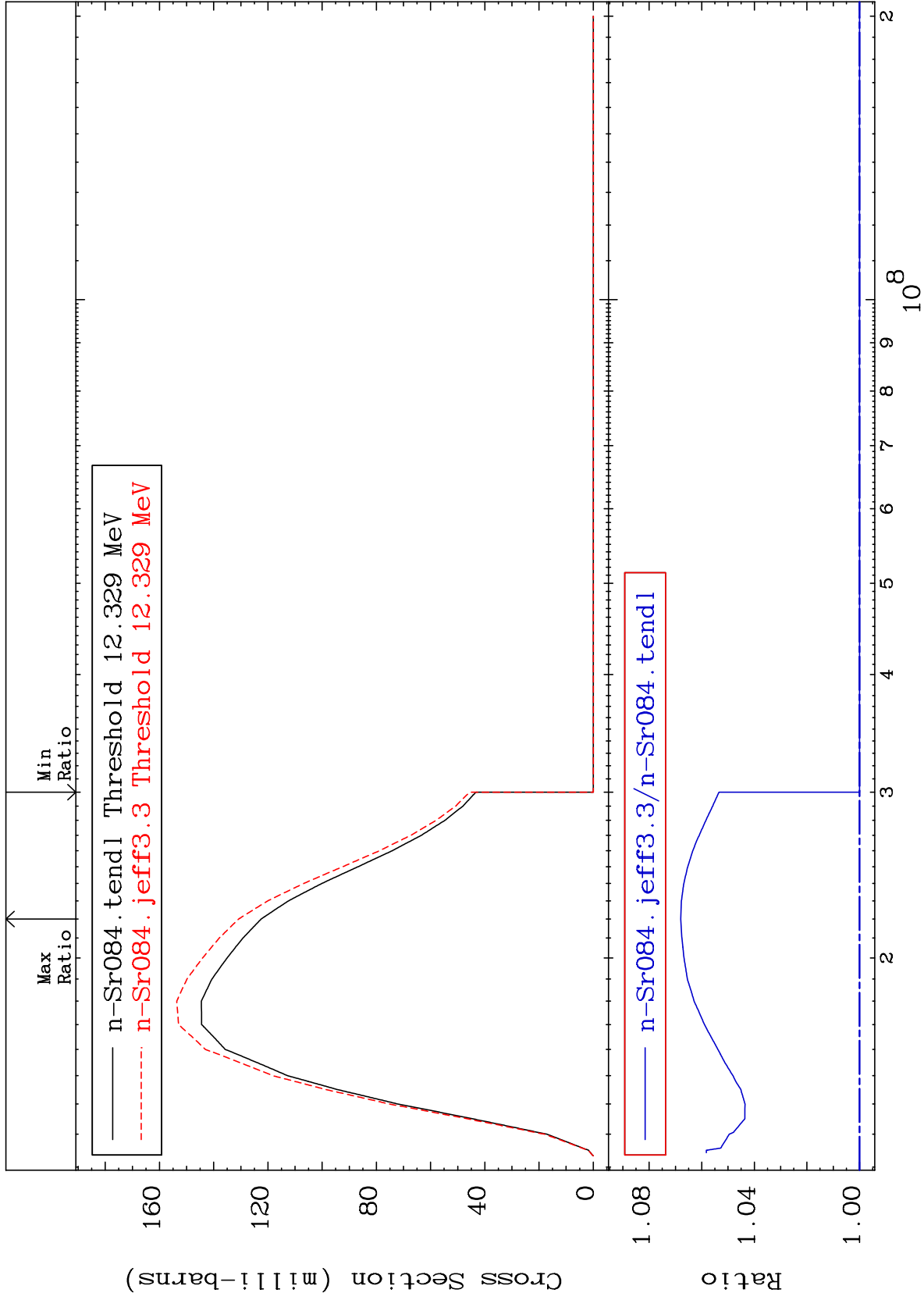


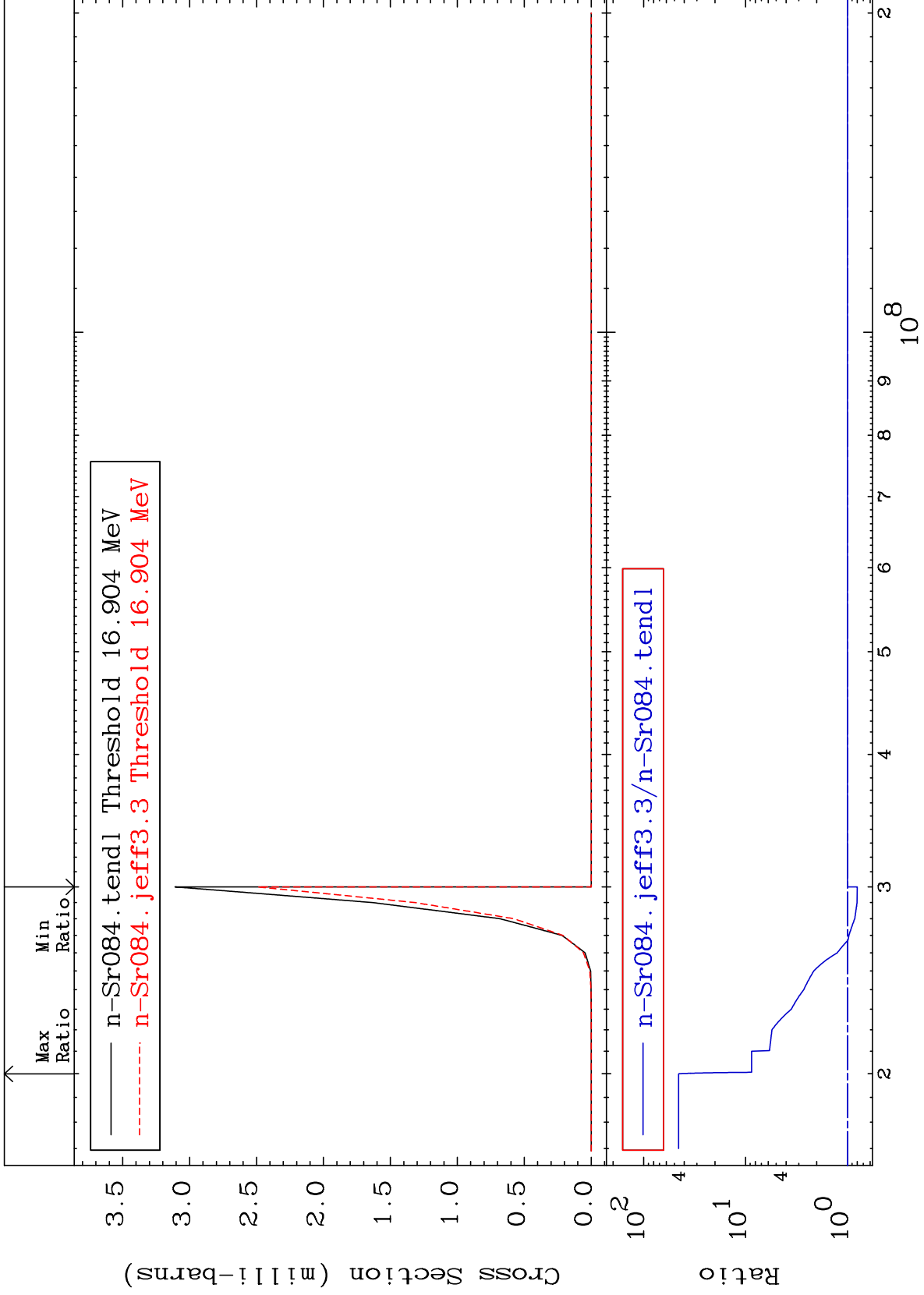
MAT 3825

(n,2n):38-Sr-83m2

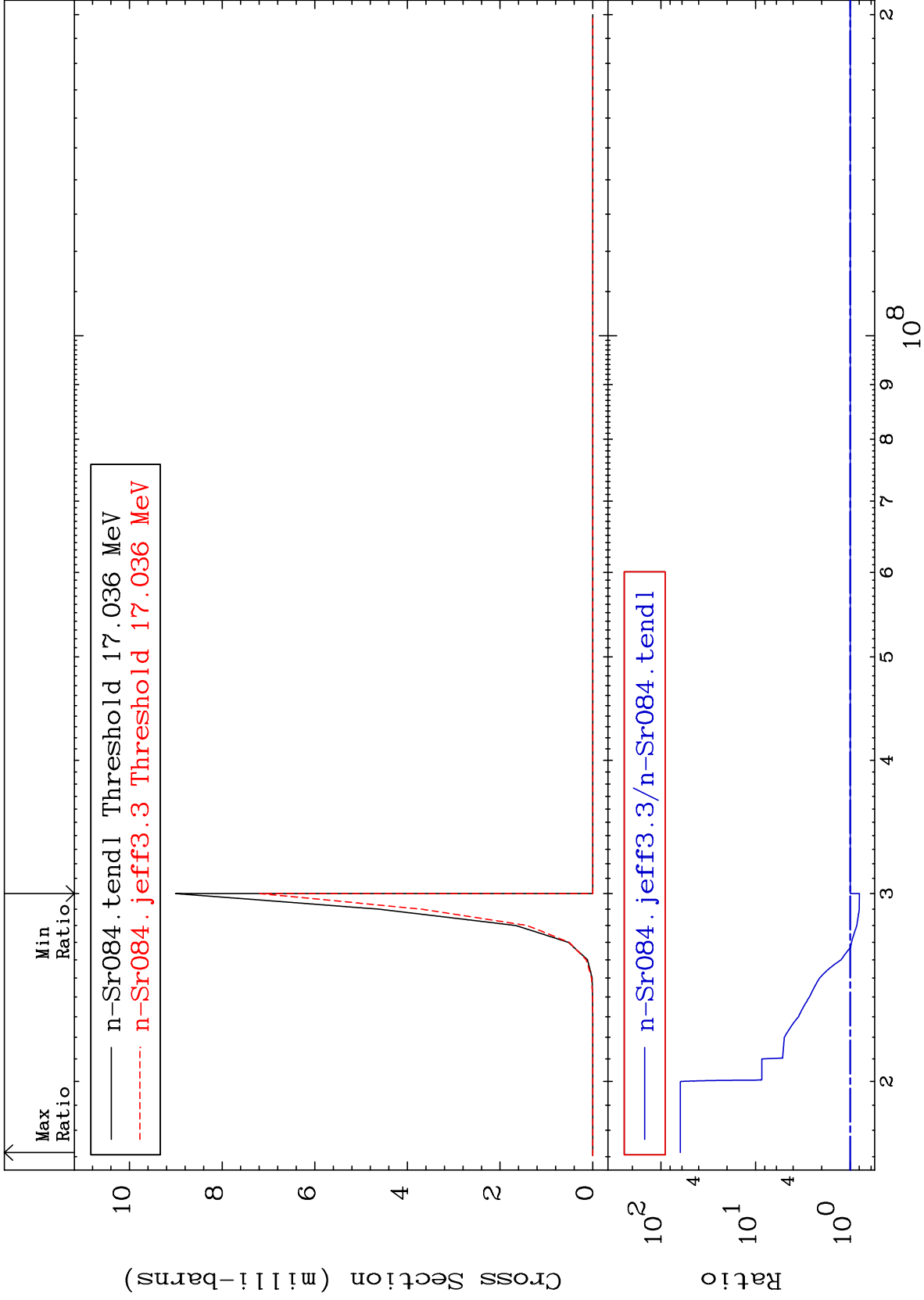
38-Sr-84

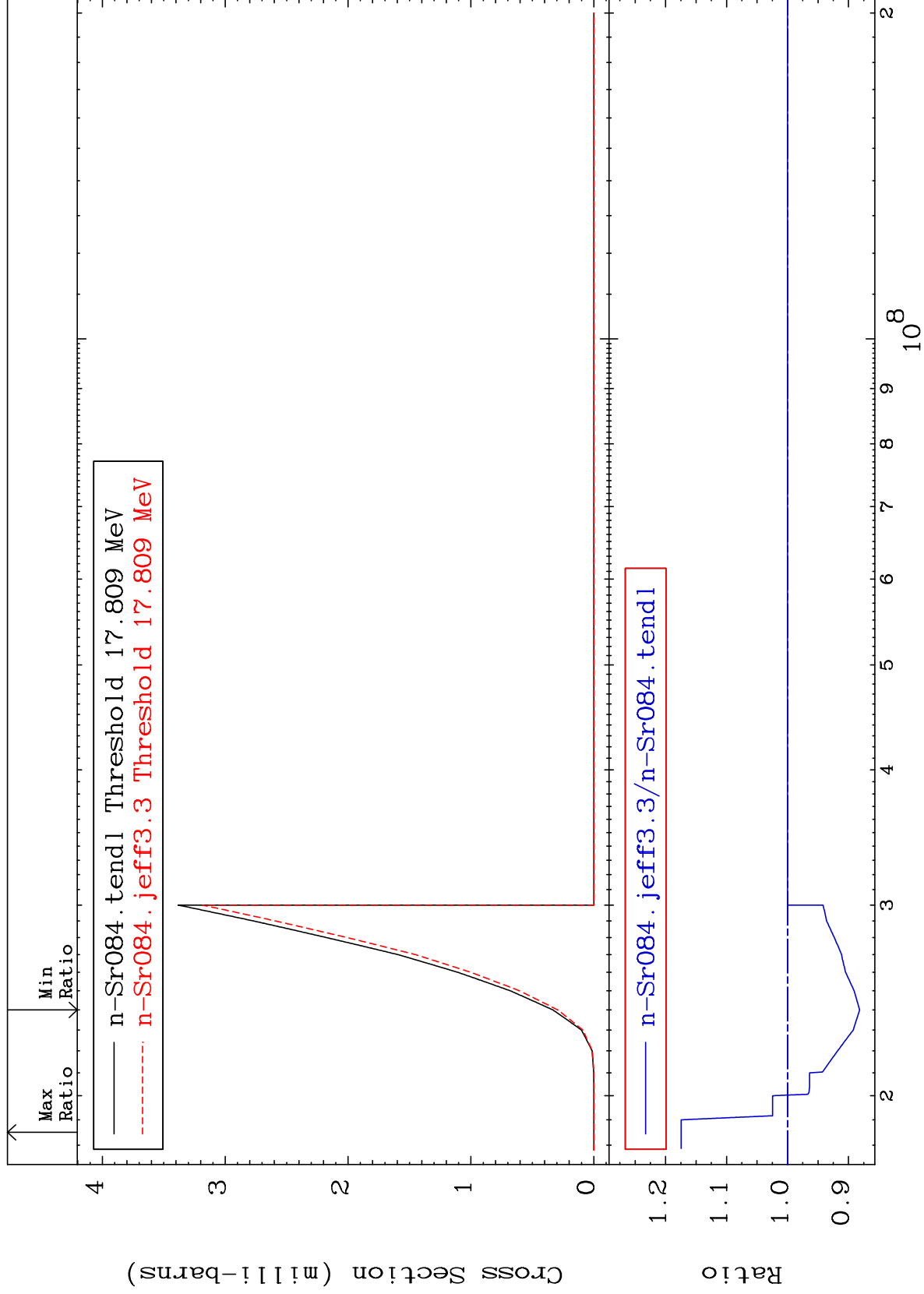
Radionuclide Production Cross Section 0.000 To 6.796 %



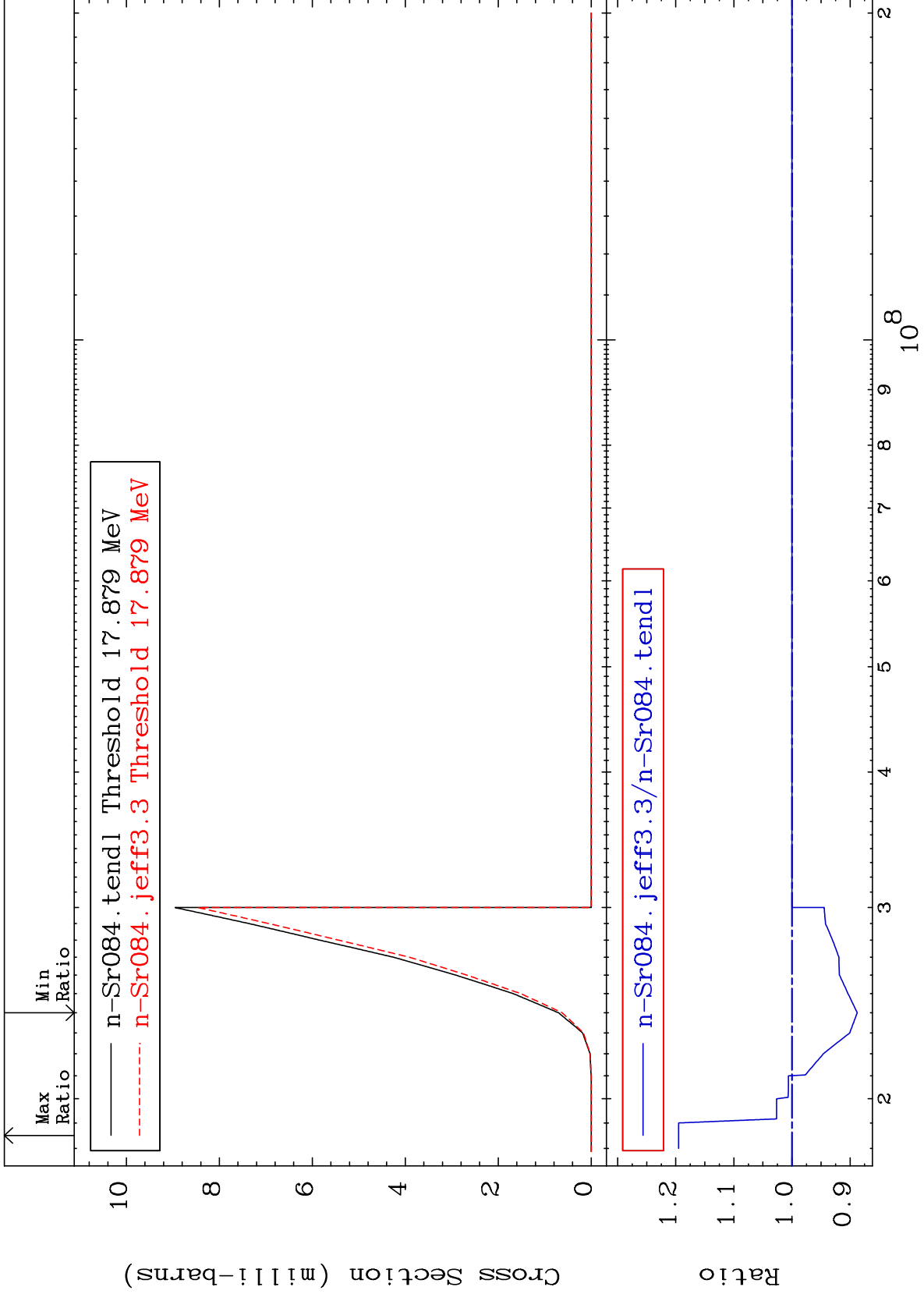


Radionuclide Production Cross Section -20.22 To 6131. %





Radionuclide Production Cross Section -11.23 To 19.51 %

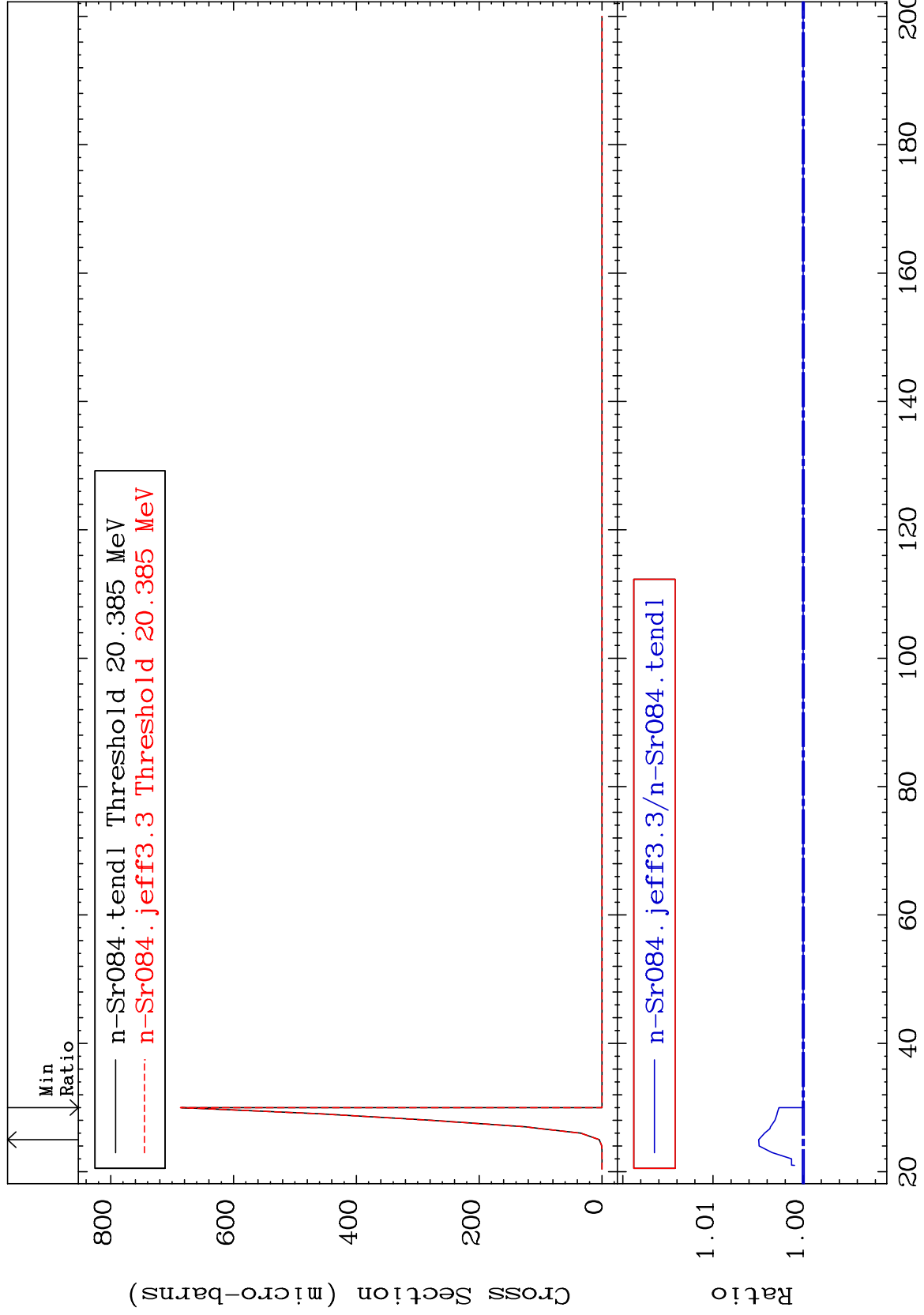


MAT 3825

(n, n') t:37-Rb-81g

38-Sr-84

Radionuclide Production Cross Section 0.000 To 0.494 %



81

Incident Energy (MeV)

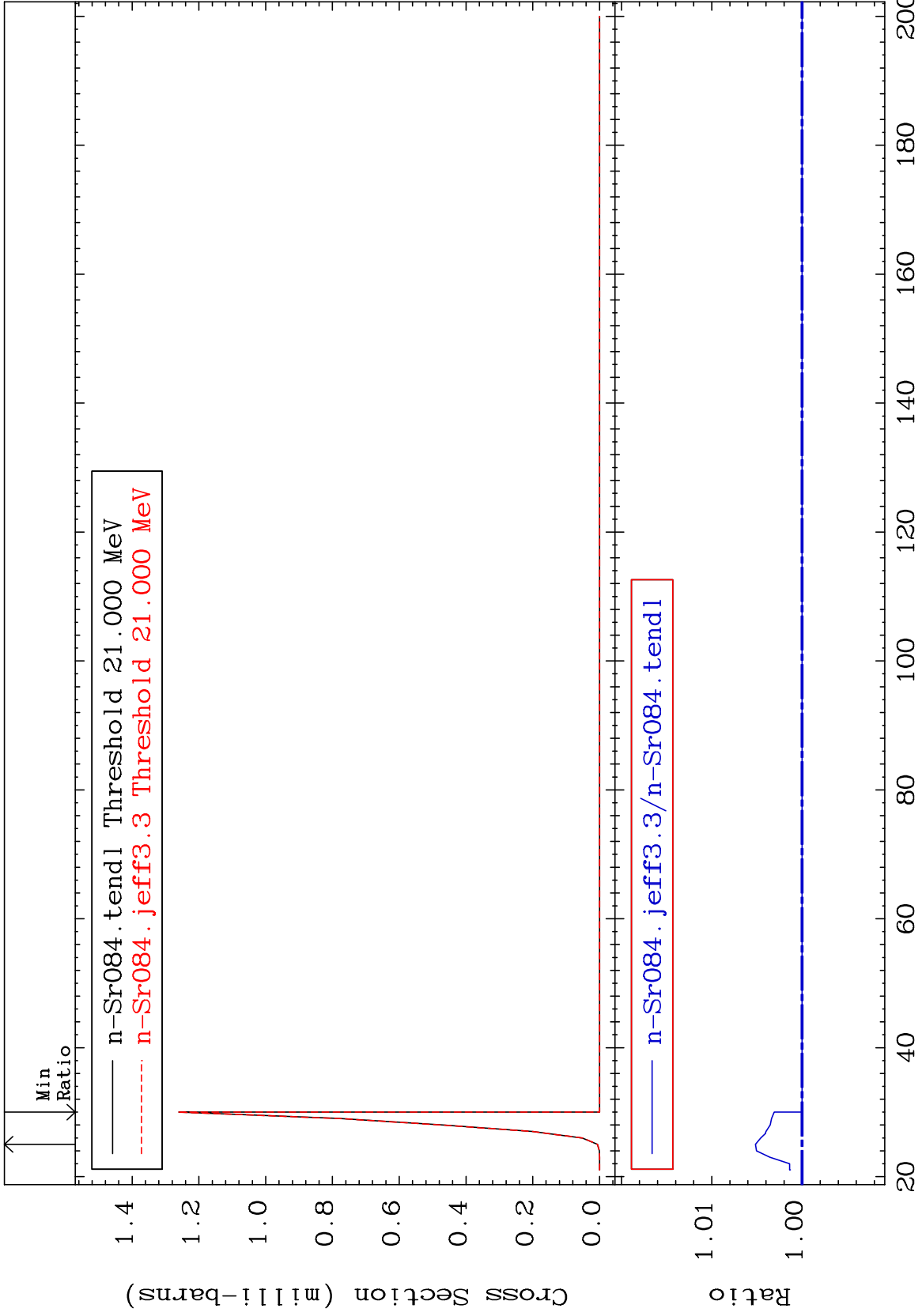
38-Sr-84

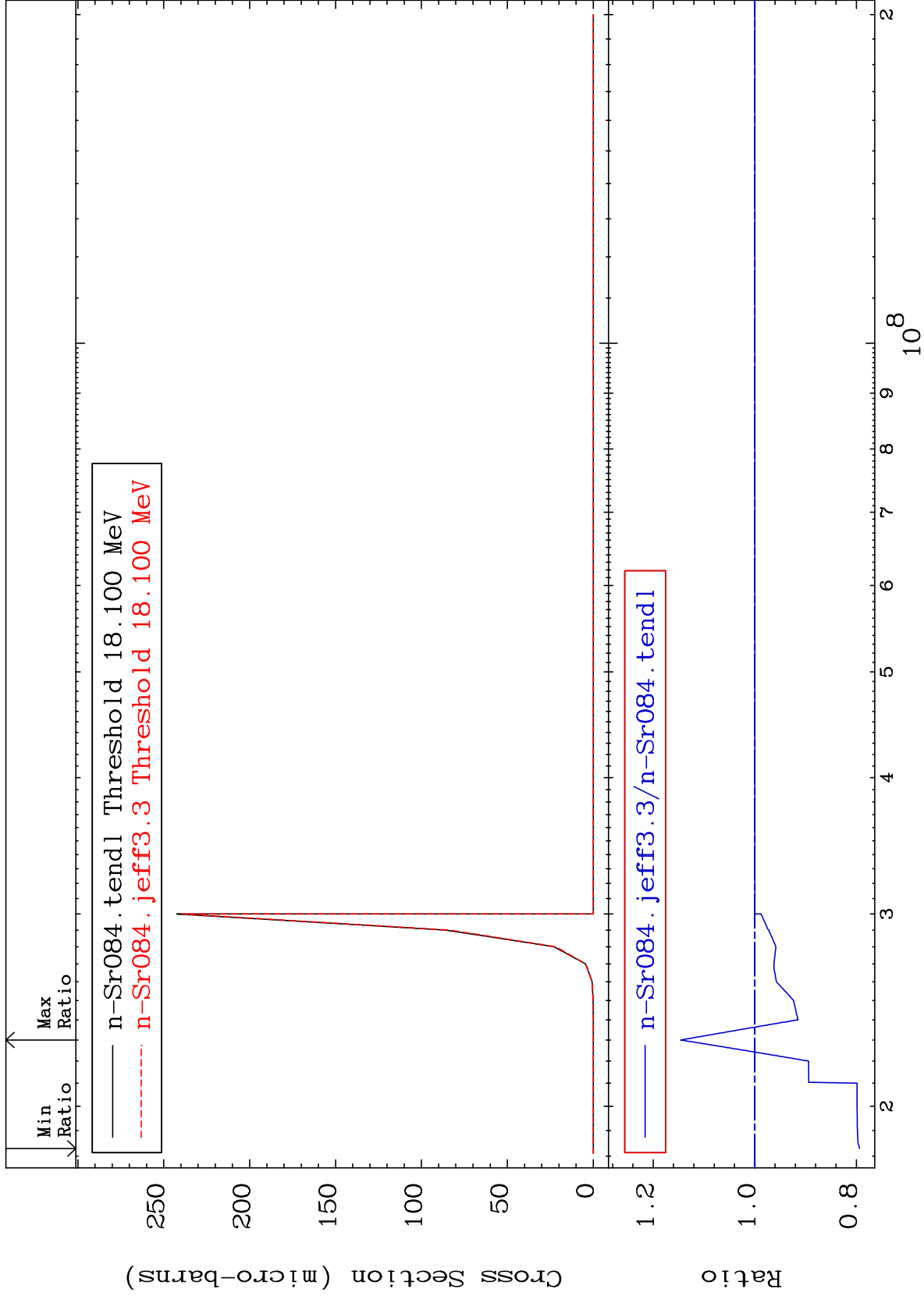
MAT 3825

(n, n') t:37-Rb-81m1

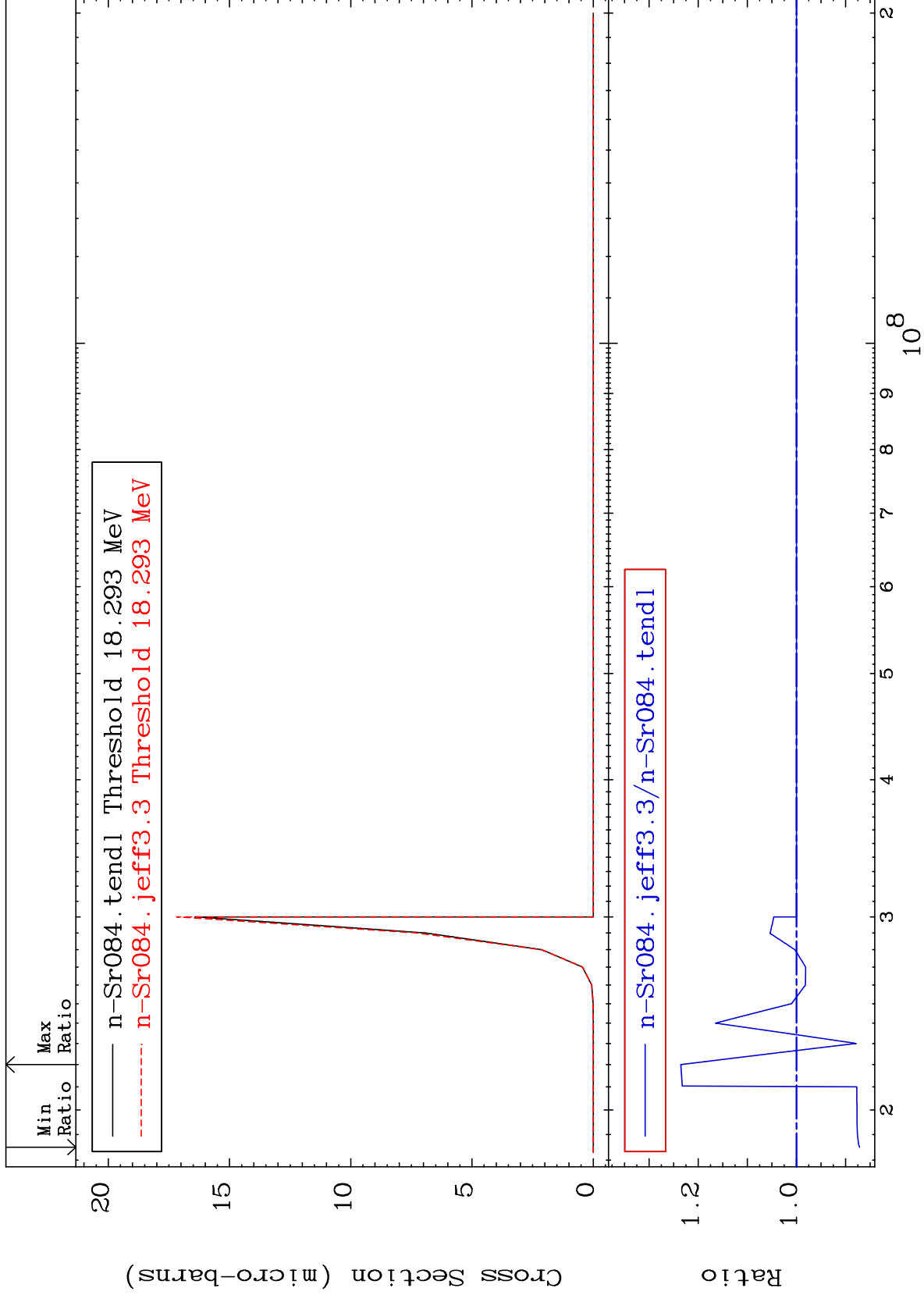
38-Sr-84

Radionuclide Production Cross Section 0.000 To 0.516 %





Radionuclide Production Cross Section -12.83 To 23.54 %

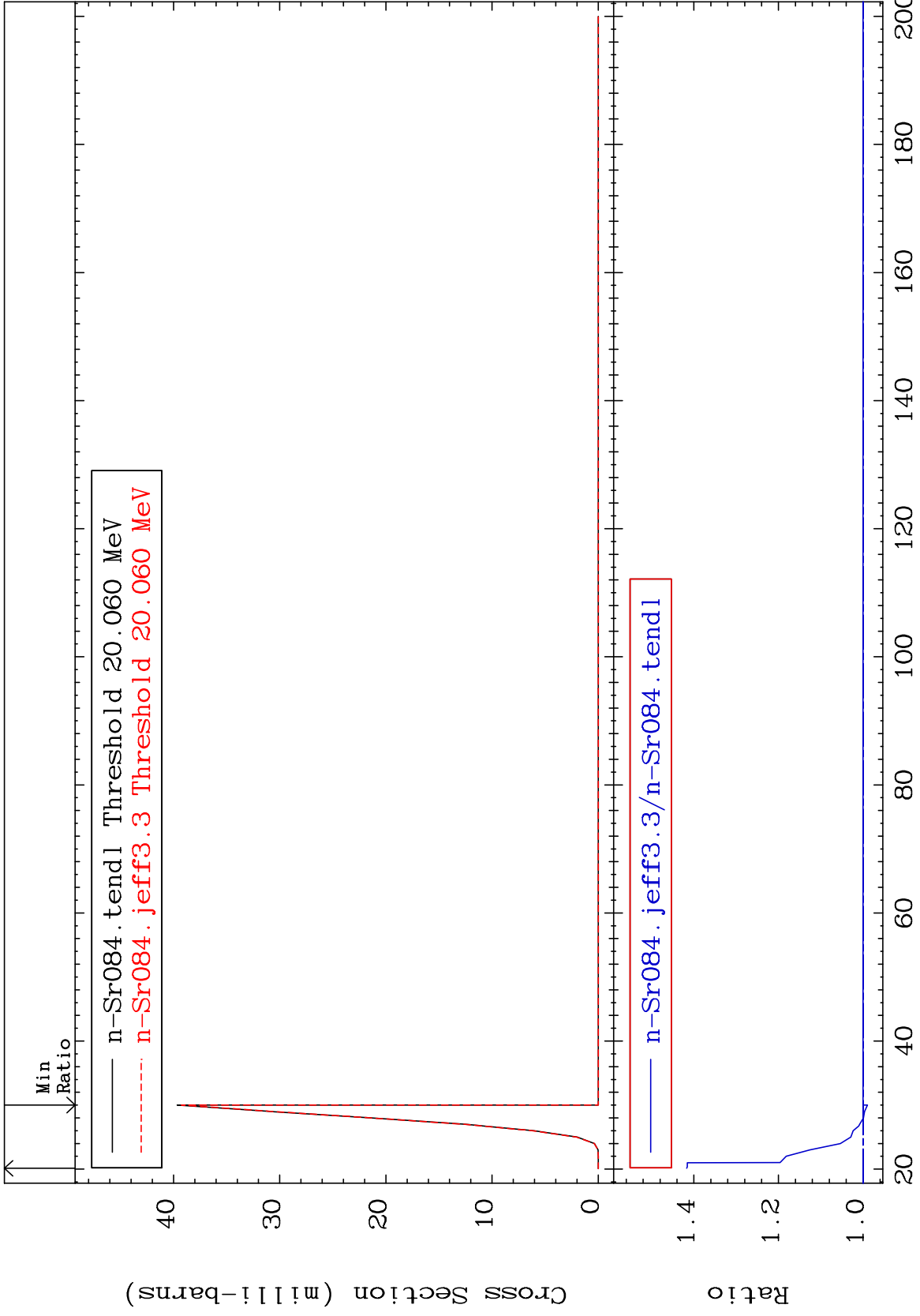


MAT 3825

(n,2n) p:37-Rb-82g

38-Sr-84

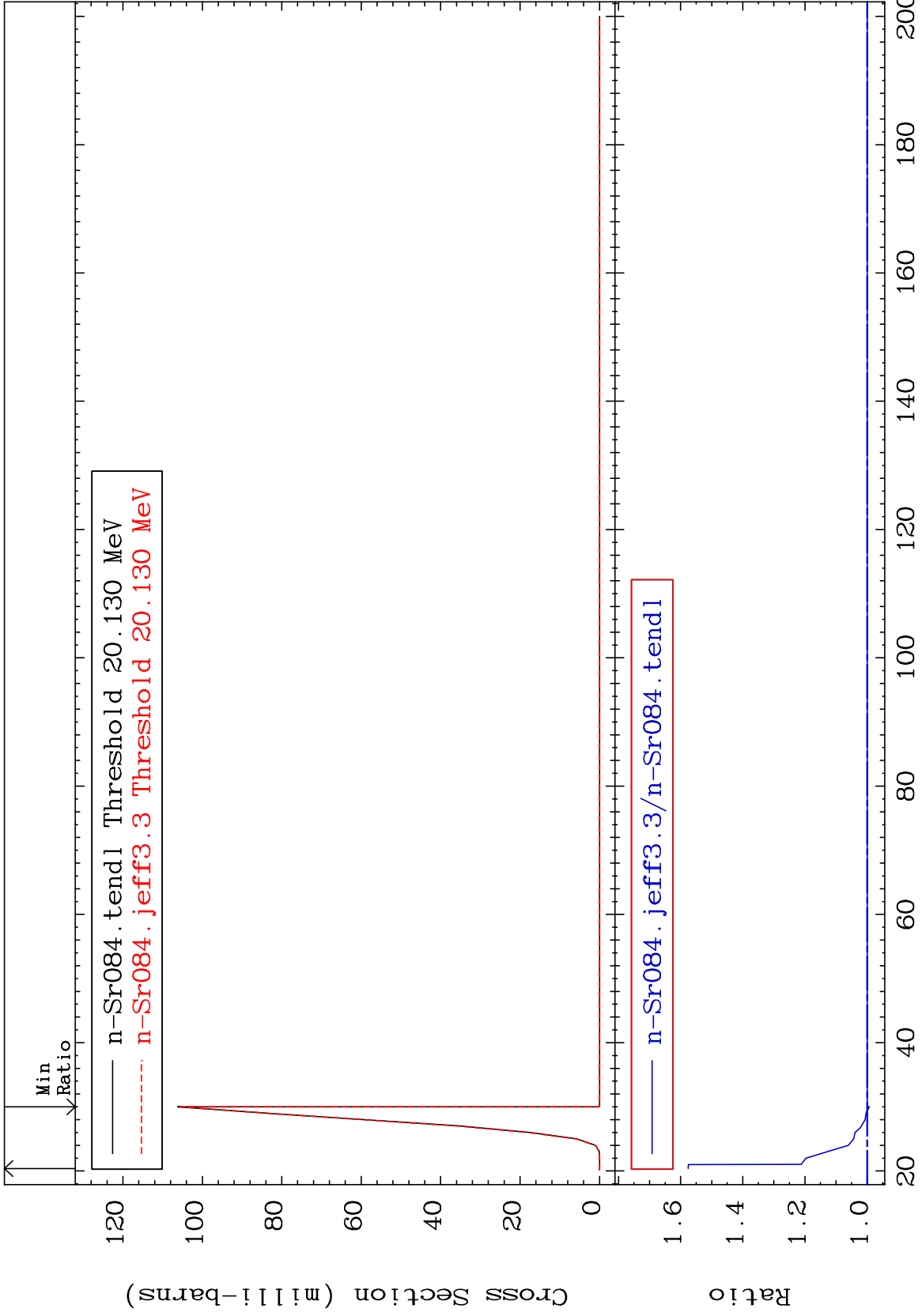
Radionuclide Production Cross Section -1.027 To 41.70 %



85

Incident Energy (MeV)

38-Sr-84

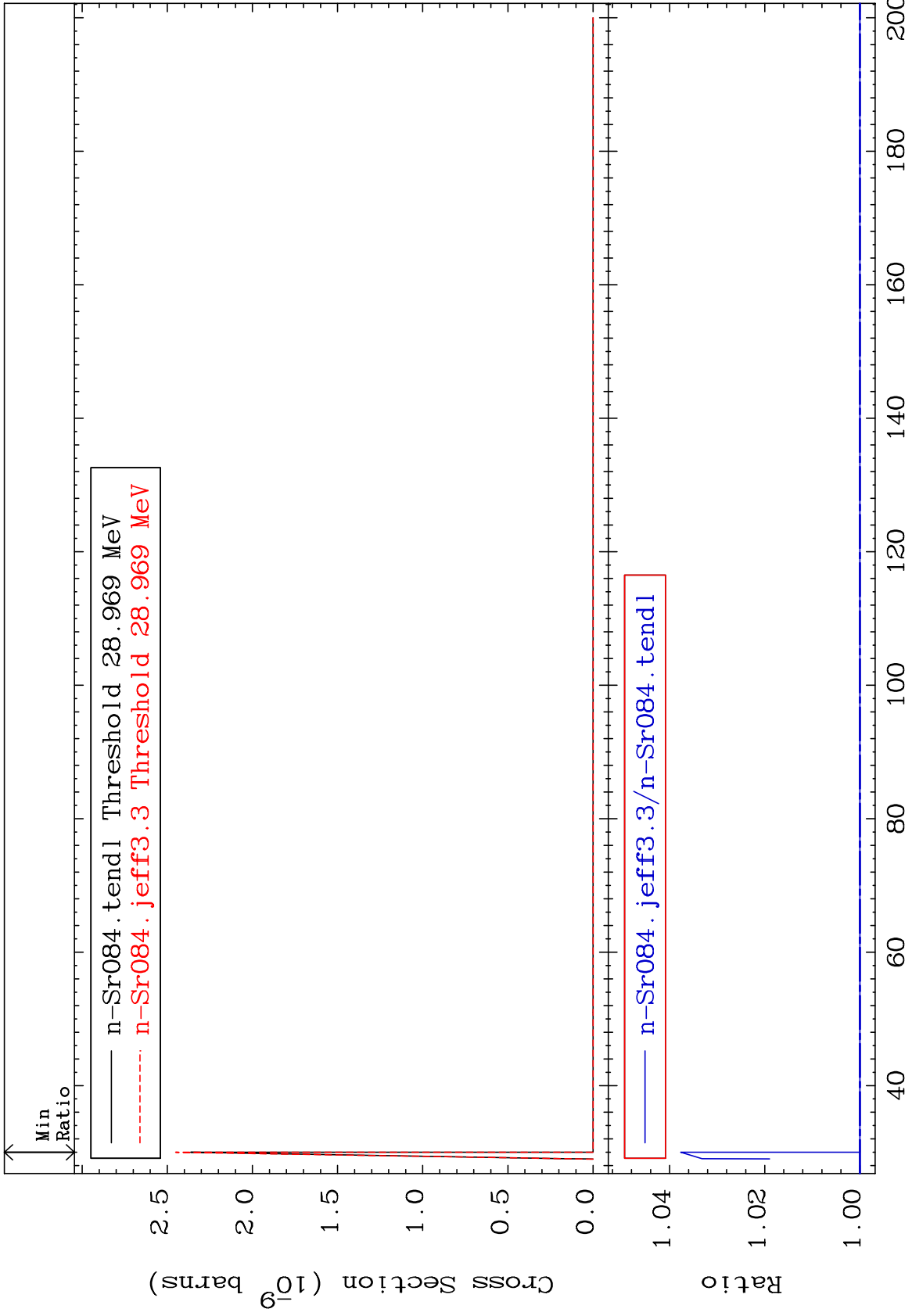


MAT 3825

(n,3n) p:37-Rb-81g

38-Sr-84

Radionuclide Production Cross Section 0.000 To 3.766 %

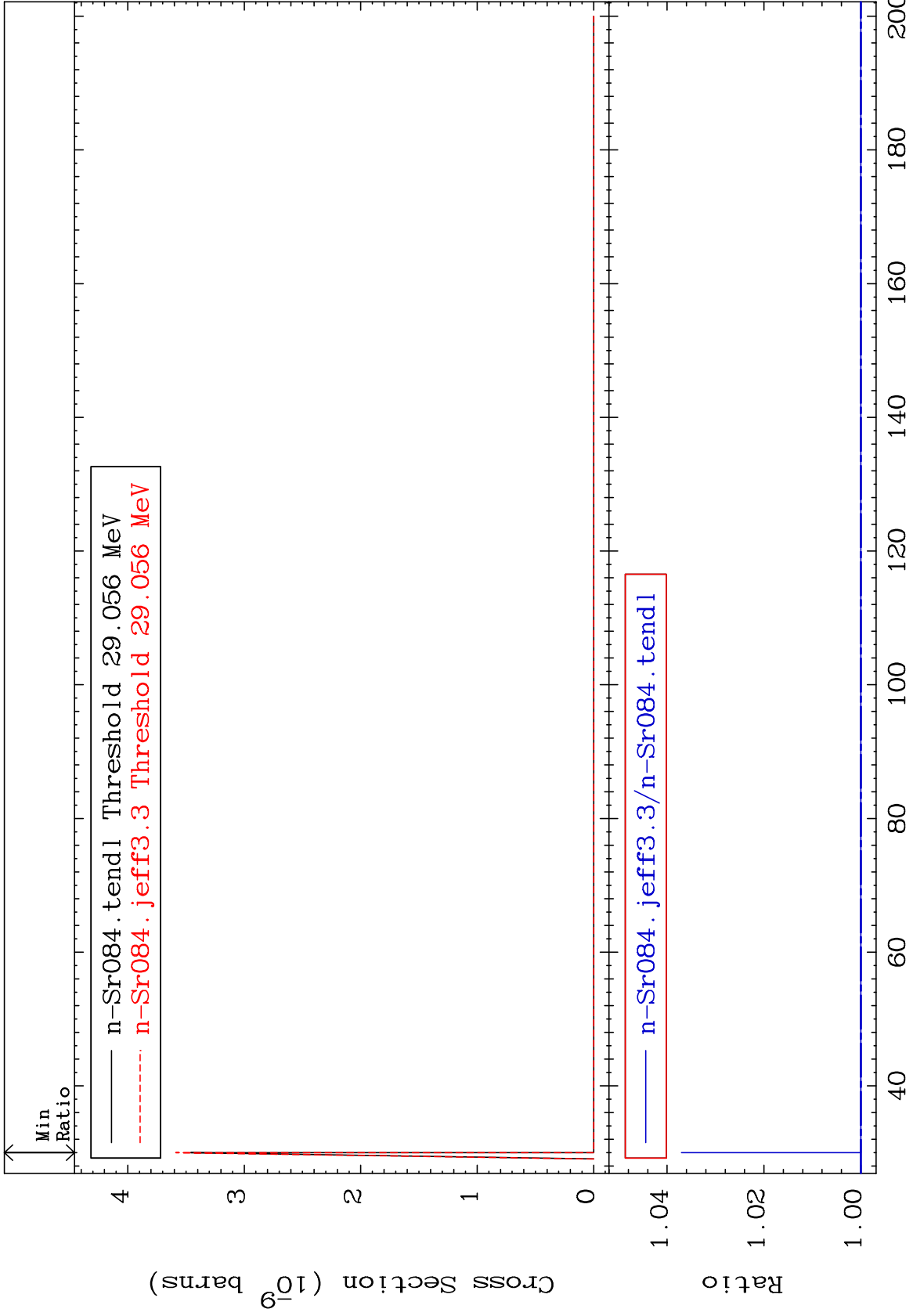


MAT 3825

(n,3n) p:37-Rb-81m1

38-Sr-84

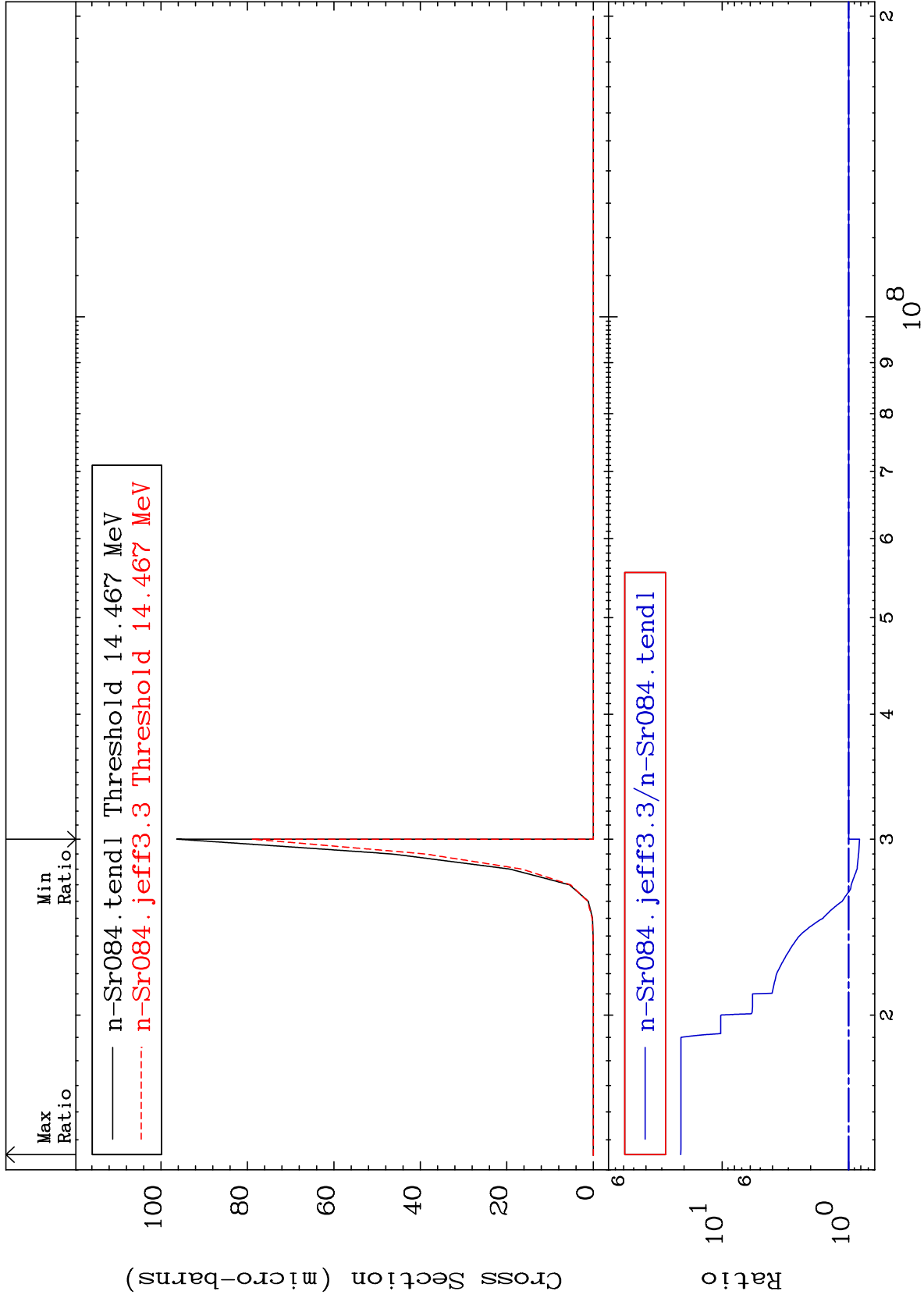
Radionuclide Production Cross Section 0.000 To 3.703 %



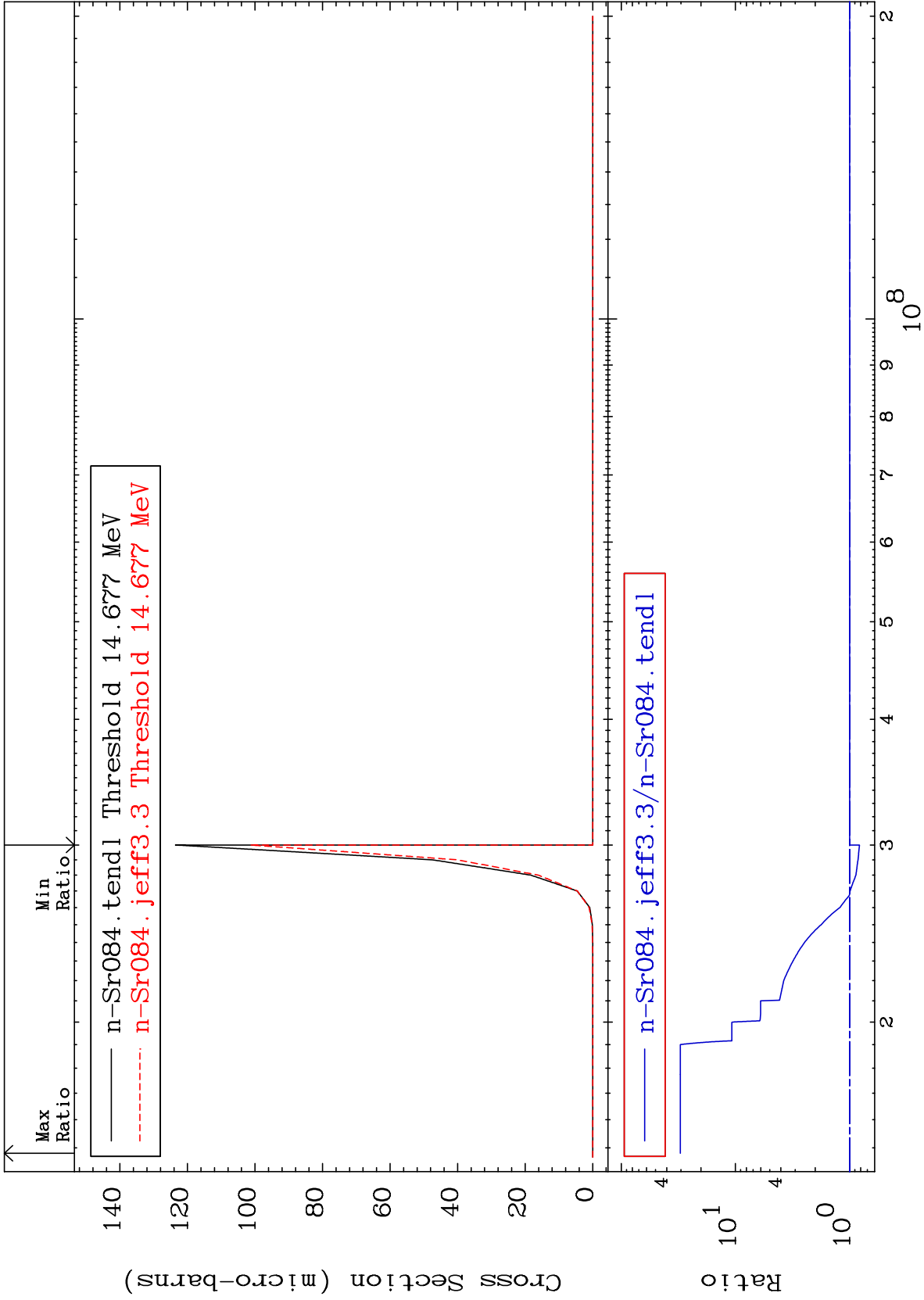
88

Incident Energy (MeV)

38-Sr-84



Radionuclide Production Cross Section -17.95 To 2935. %

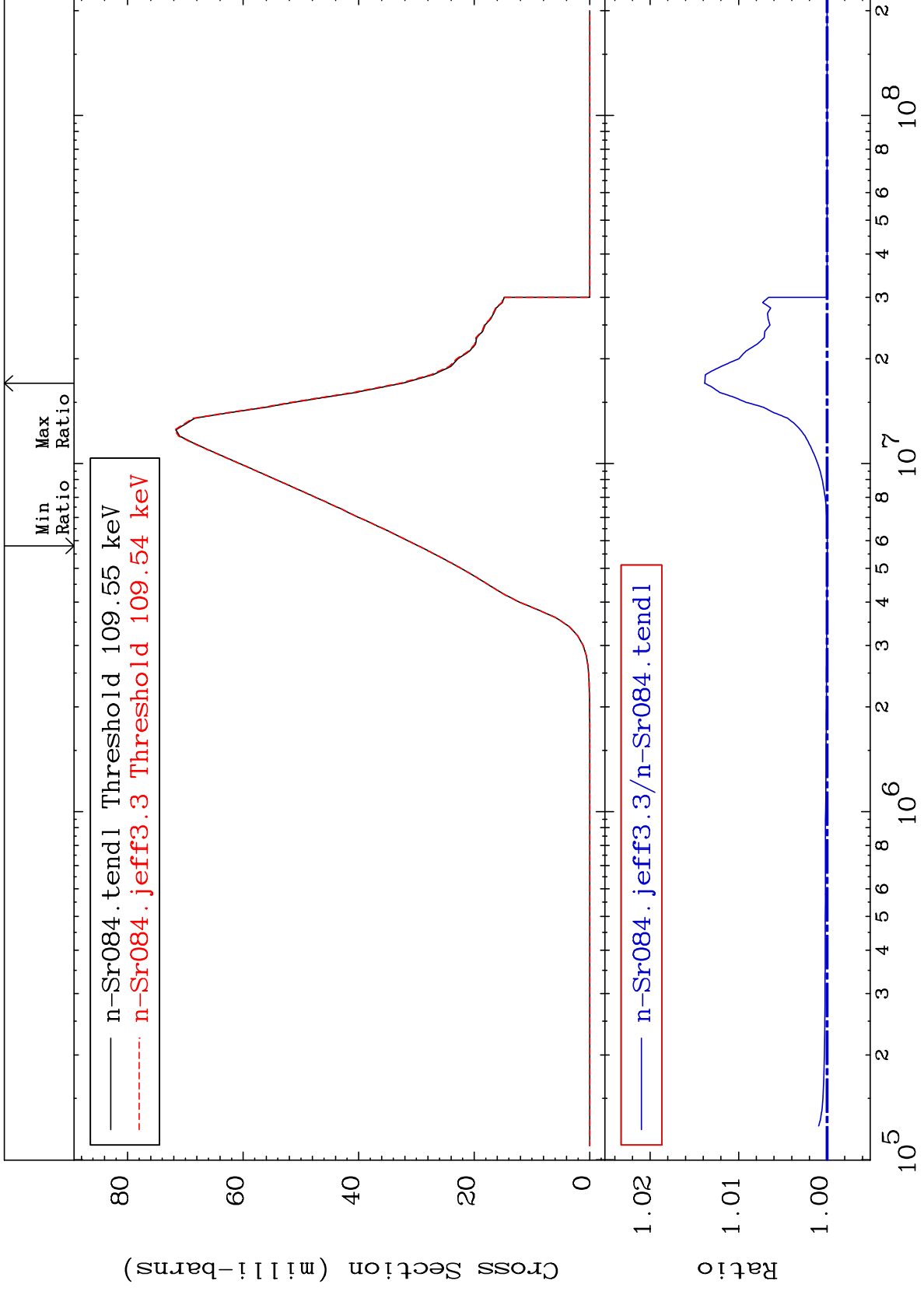


MAT 3825

(n, p):37-Rb-84g

38-Sr-84

Radionuclide Production Cross Section -0.002 To 1.383 %



91

Incident Energy (eV)

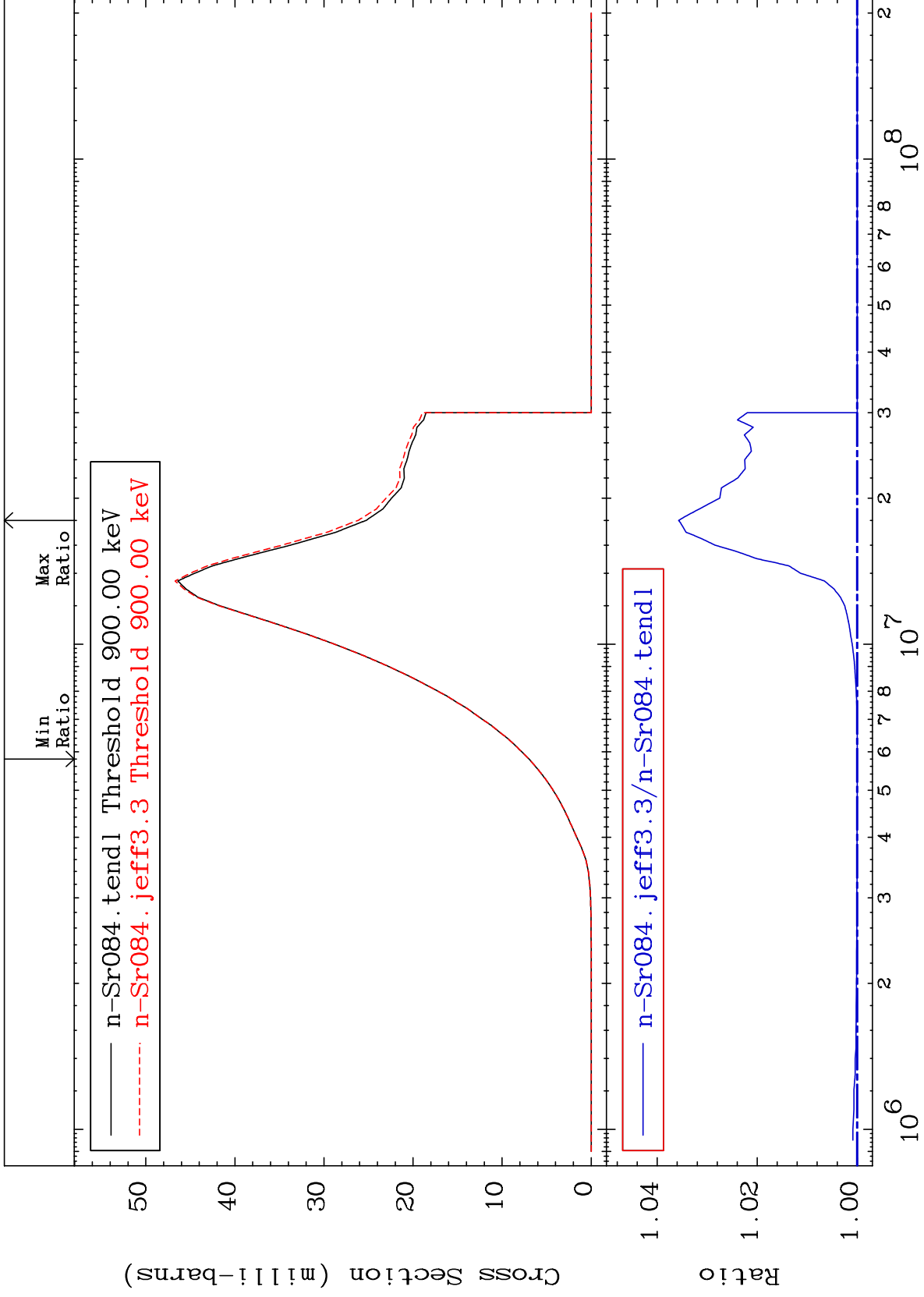
38-Sr-84

MAT 3825

(n, p) : 37-Rb-84m2

38-Sr-84

Radionuclide Production Cross Section -0.001 To 3.572 %

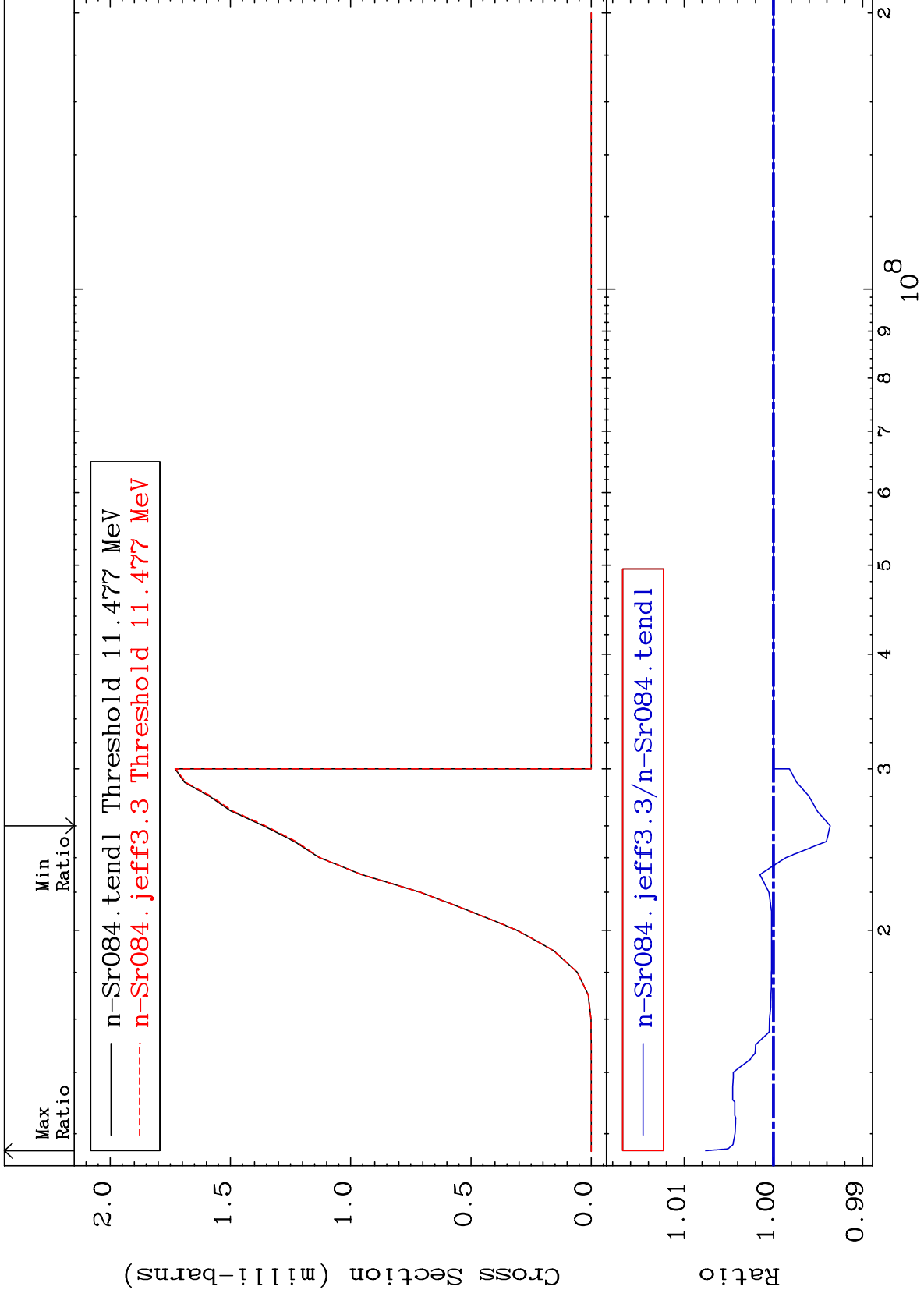


92

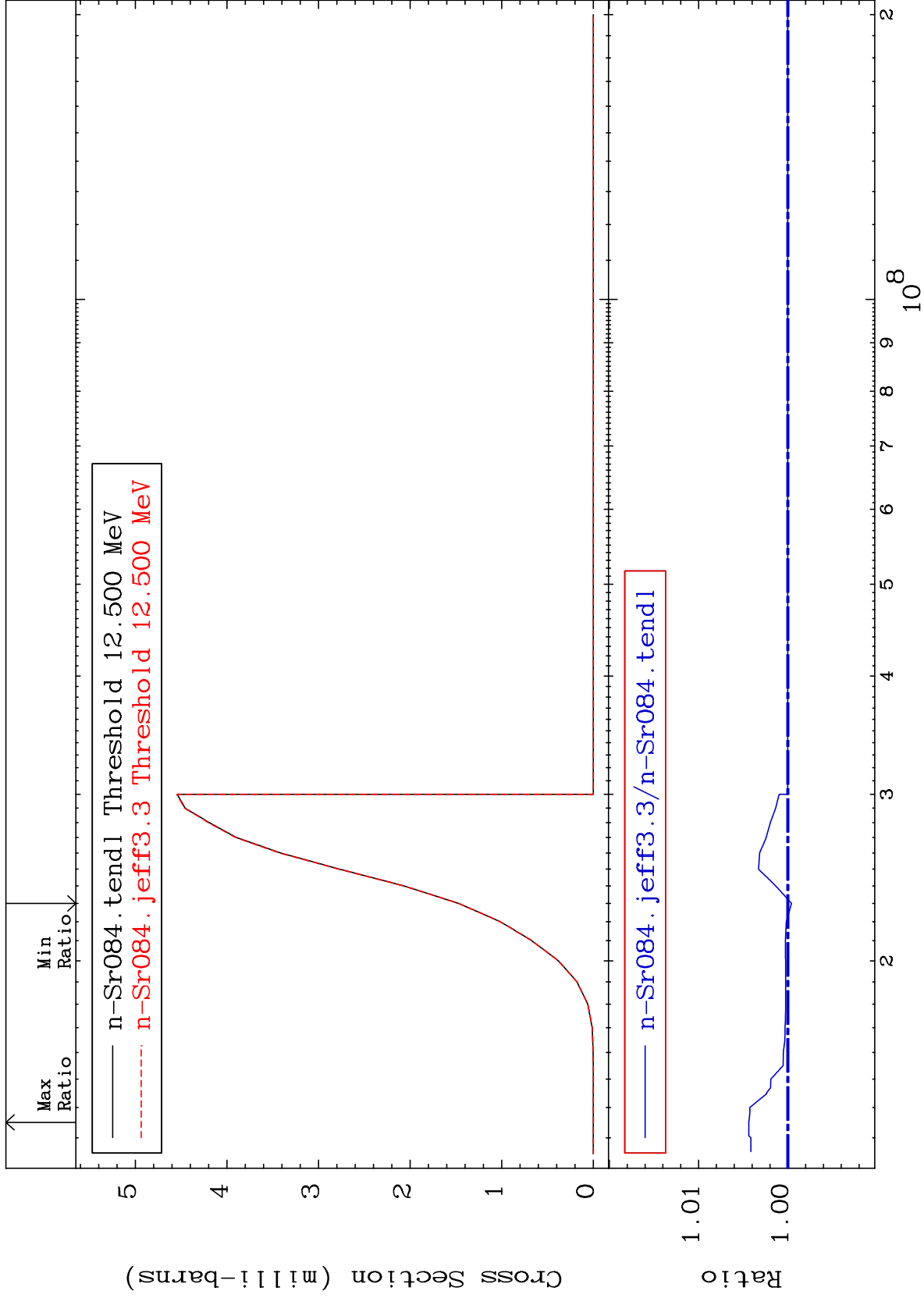
Incident Energy (eV)

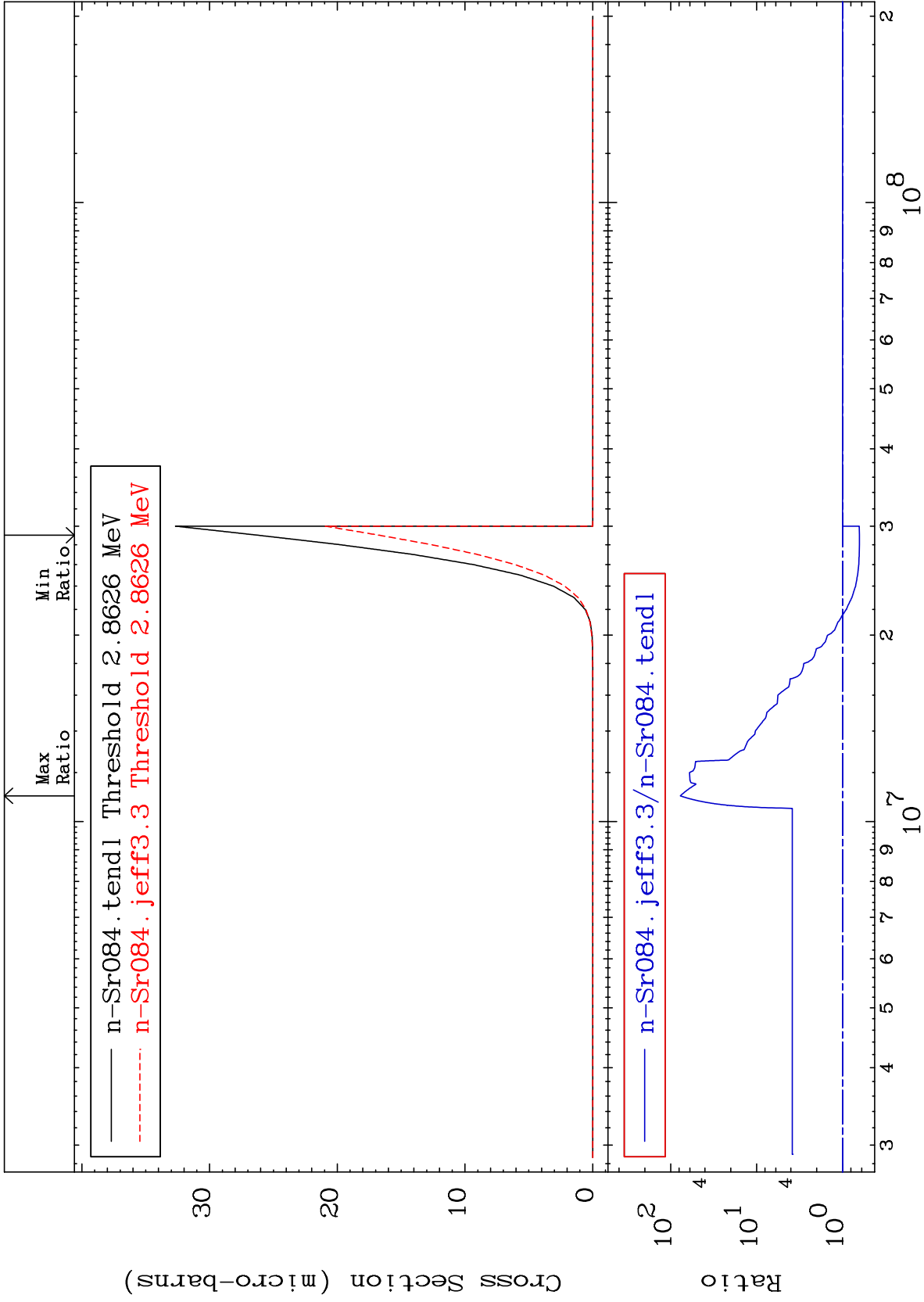
38-Sr-84

Radionuclide Production Cross Section -0.636 To 0.758 %

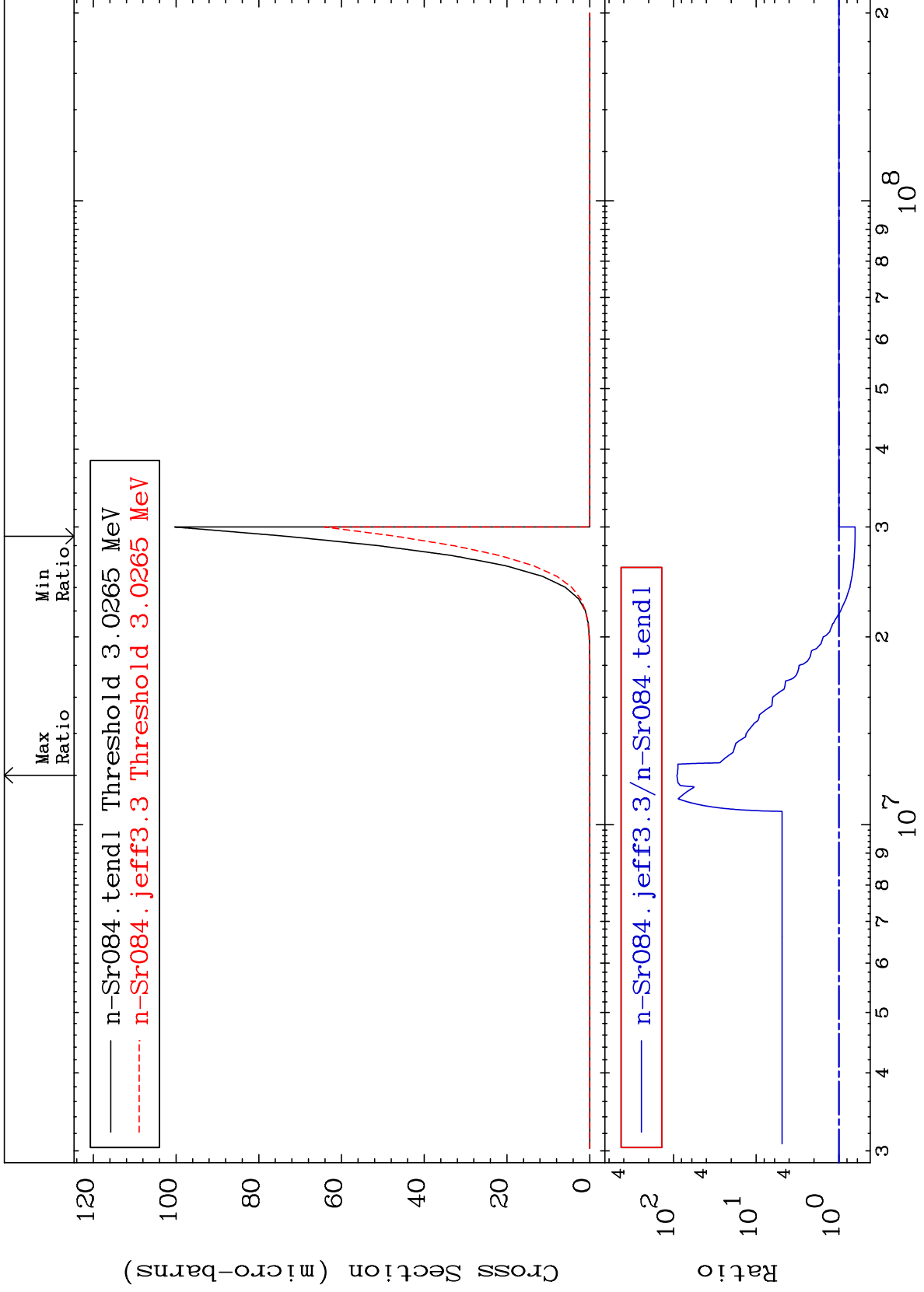


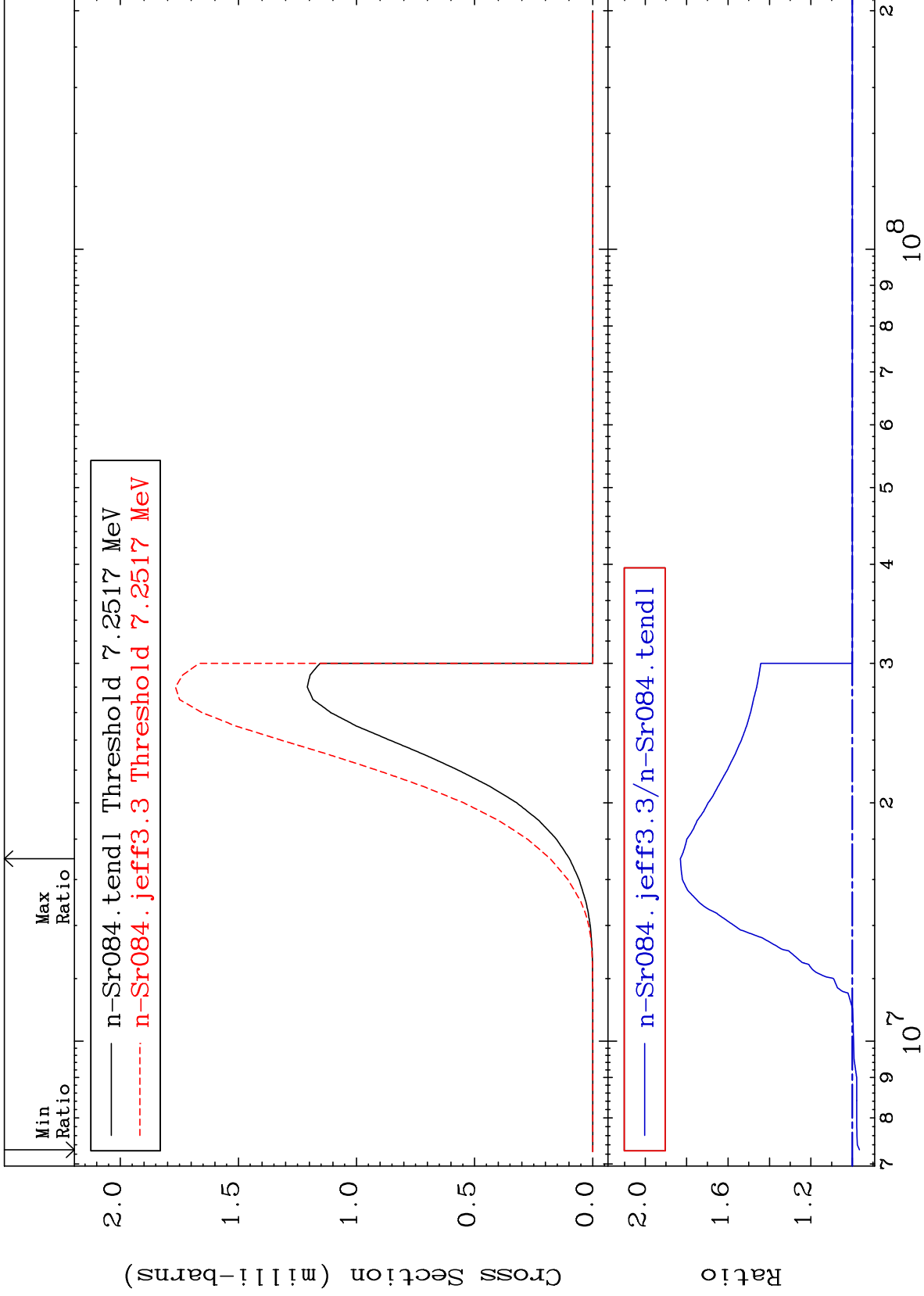
Radionuclide Production Cross Section -0.042 To 0.437 %



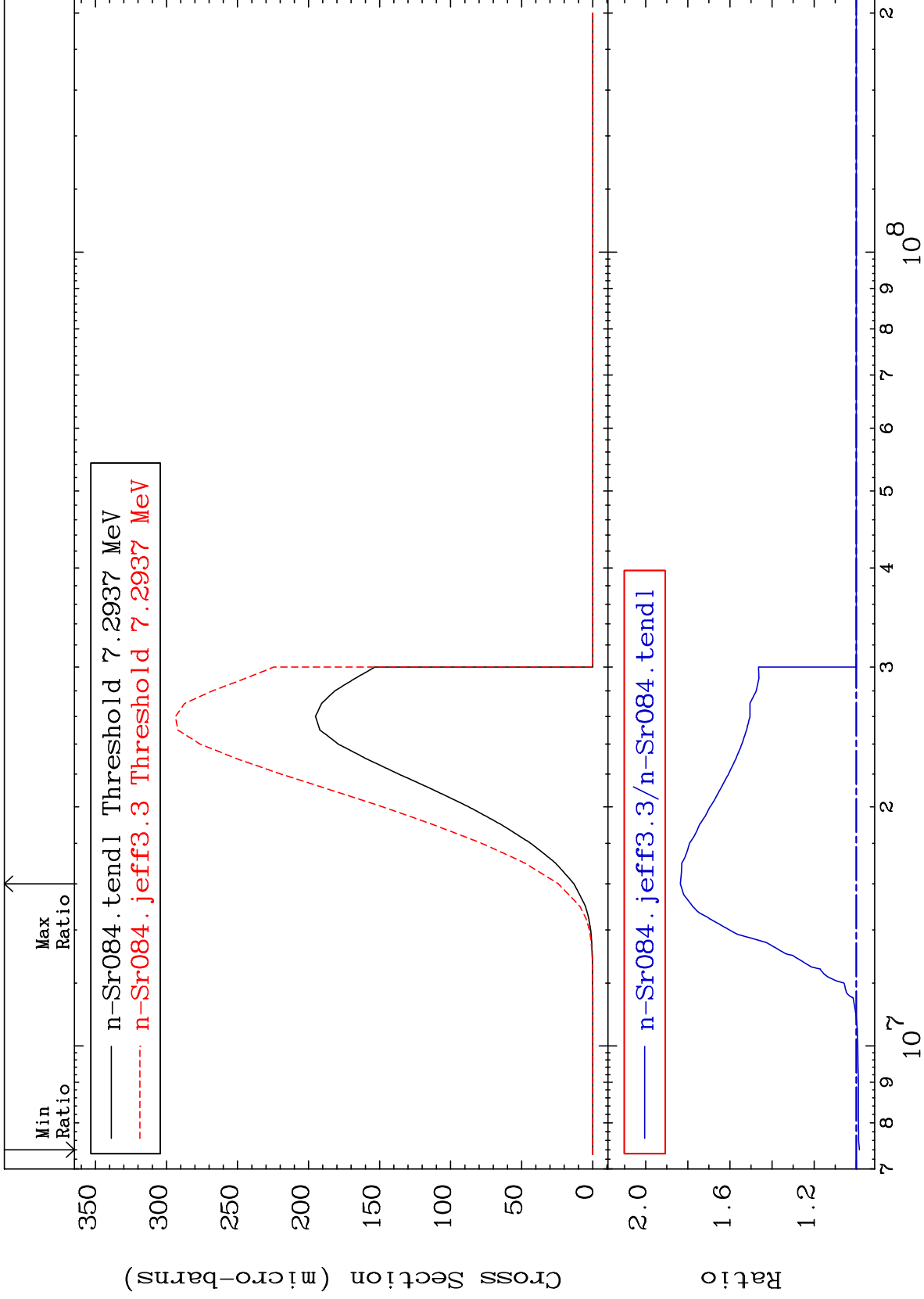


Radionuclide Production Cross Section -36.14 To 8987. %

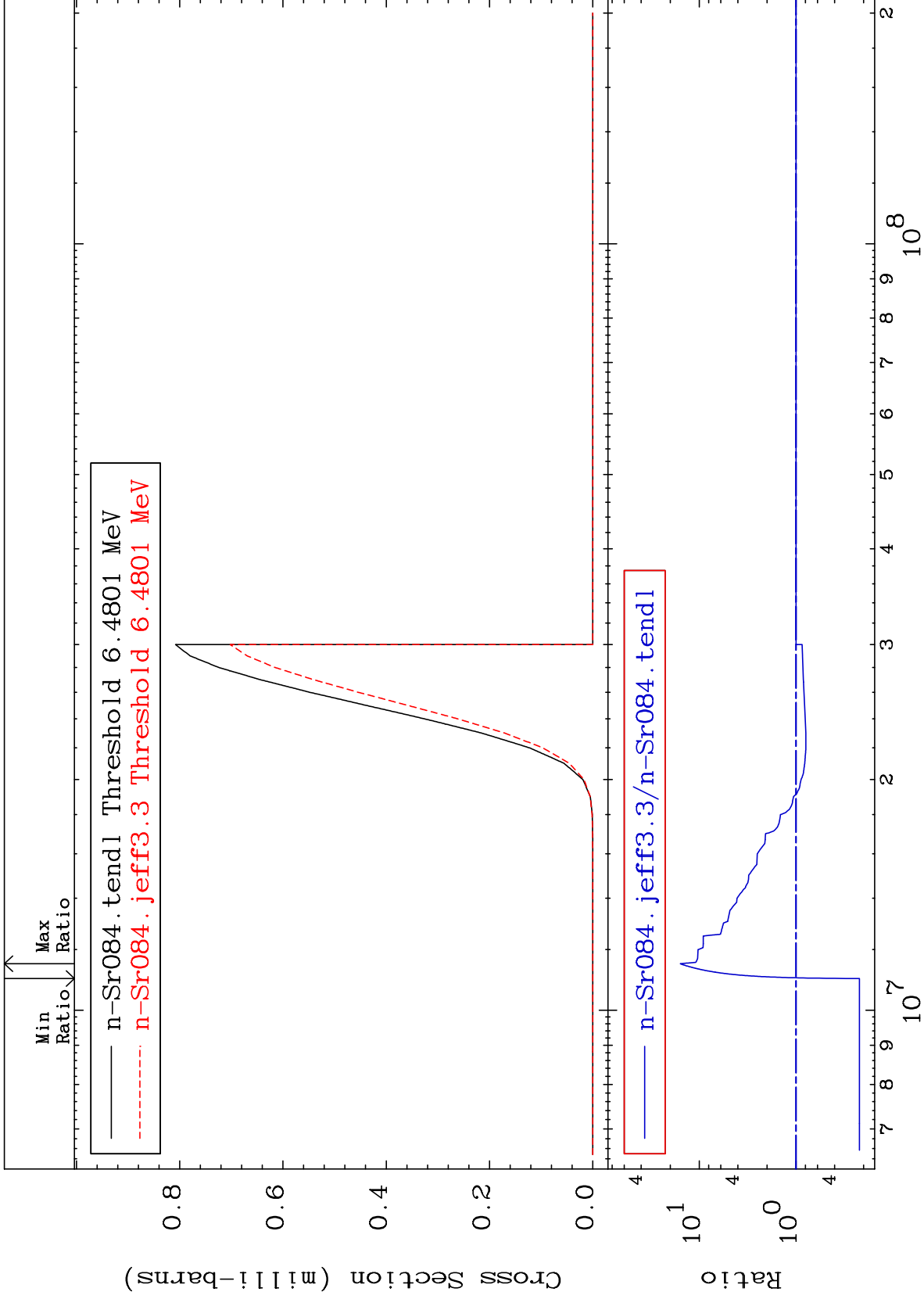




Radionuclide Production Cross Section -1.518 To 83.54 %



Radionuclide Production Cross Section -77.87 To 1473. %

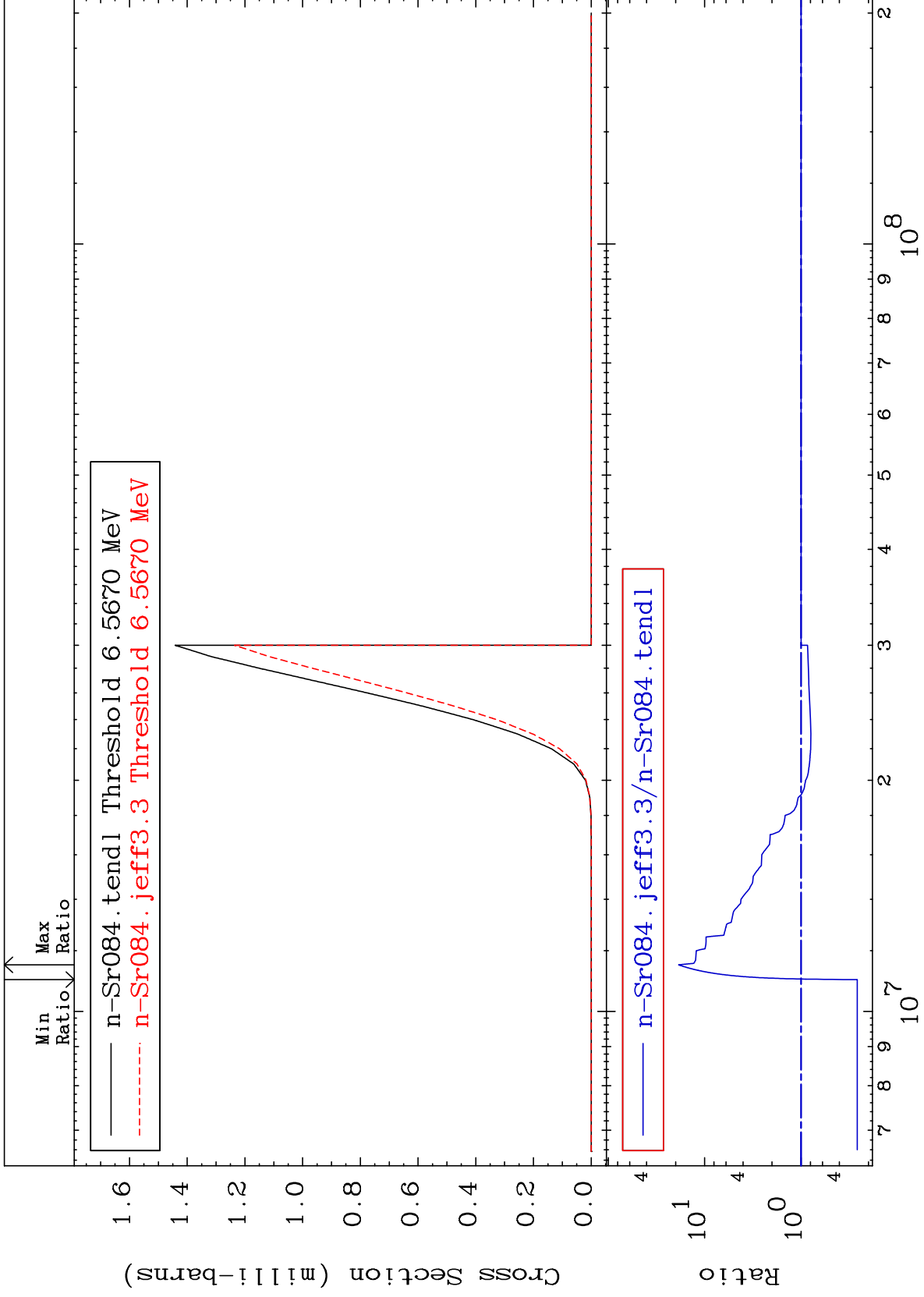


MAT 3825

(n, p) α : 35-Br-80m2

38-Sr-84

Radionuclide Production Cross Section -73.87 To 1763. %

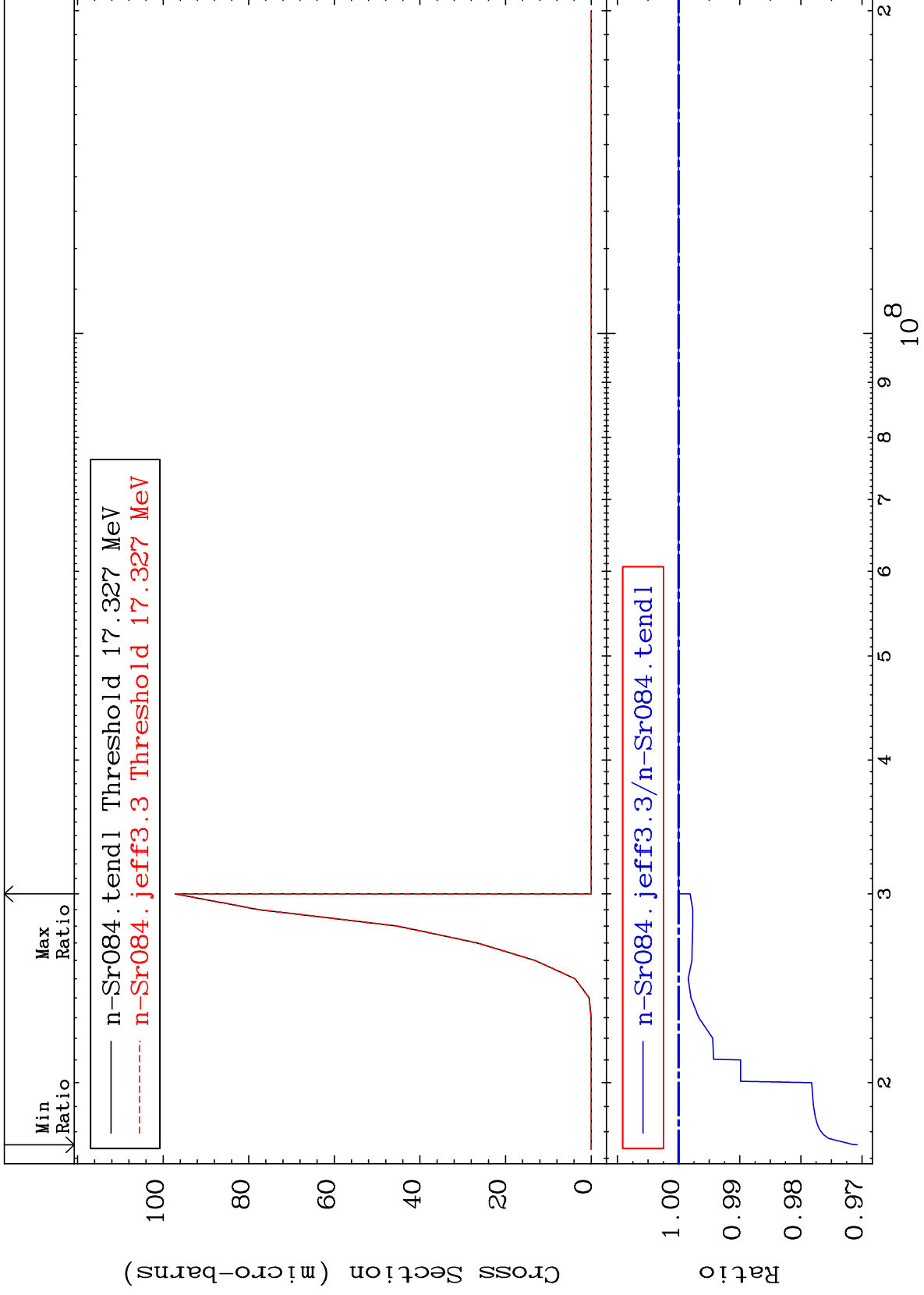


100

Incident Energy (eV)

38-Sr-84

Radionuclide Production Cross Section -2.923 To 0.000 %

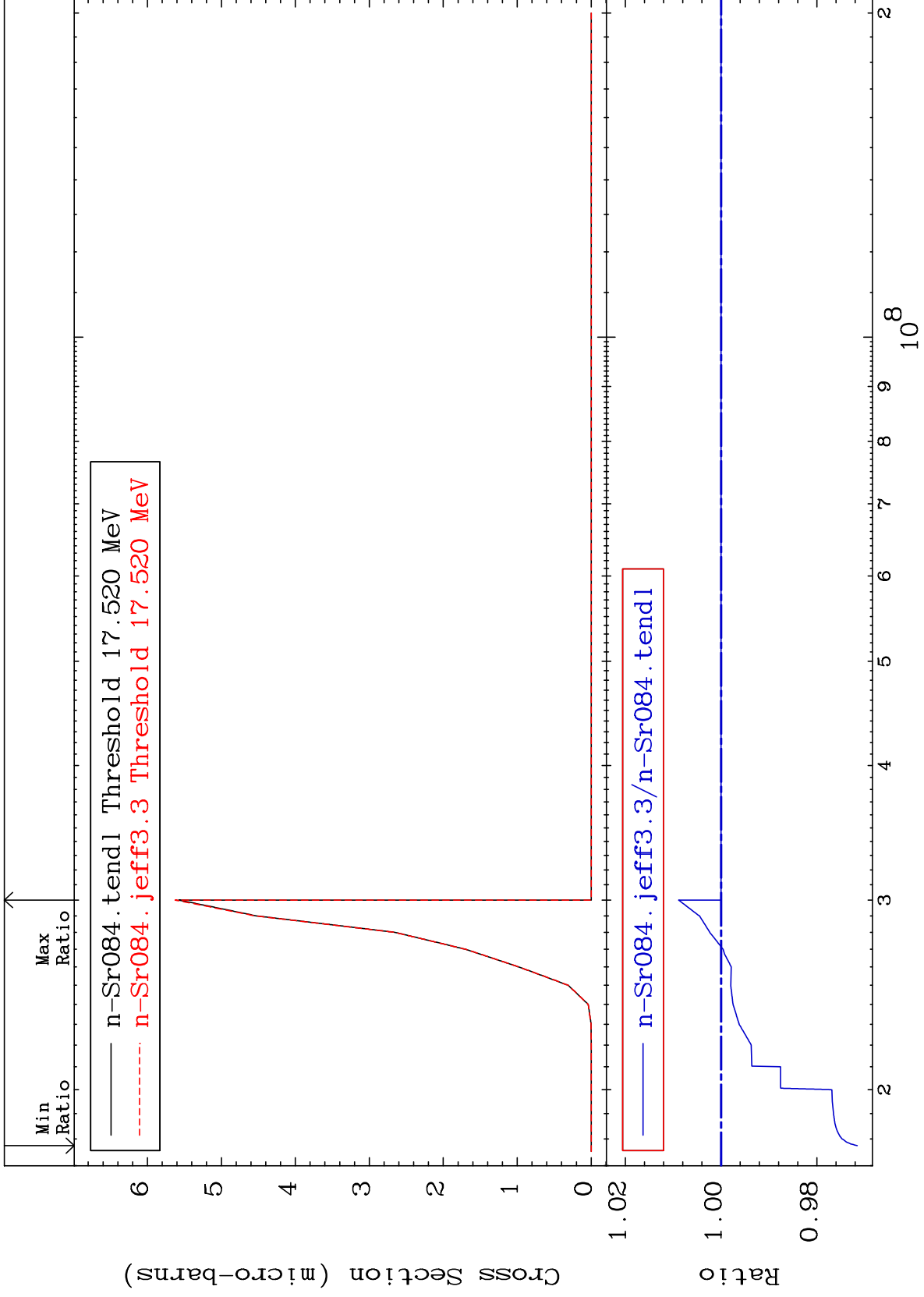


MAT 3825

(n, p) t:36-Kr-81m2

38-Sr-84

Radionuclide Production Cross Section -2.844 To 0.886 %

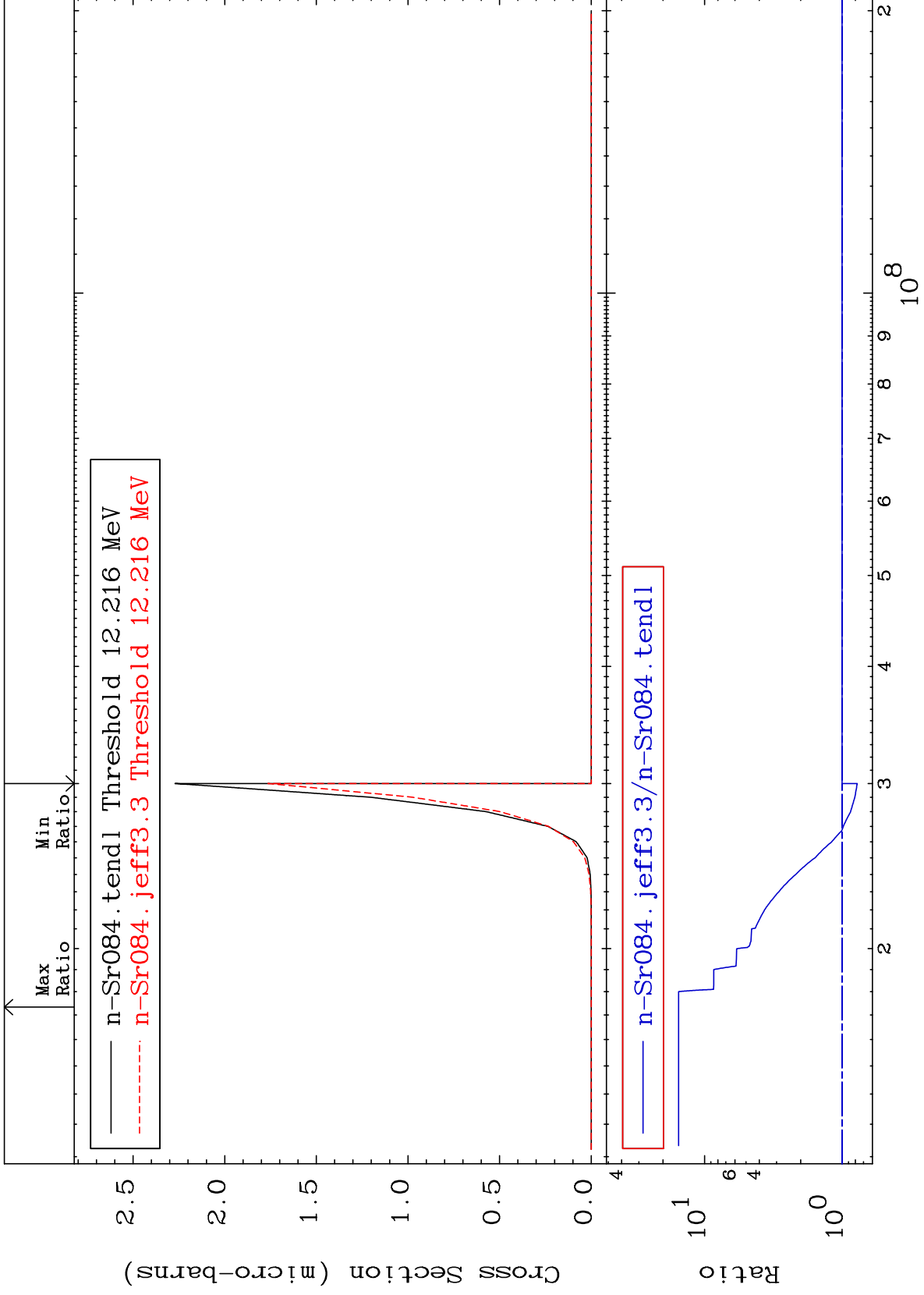


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Incident Energy (eV)

38-Sr-84

Radionuclide Production Cross Section -22.36 To 1441. %



Radionuclide Production Cross Section -21.84 To 1573. %

