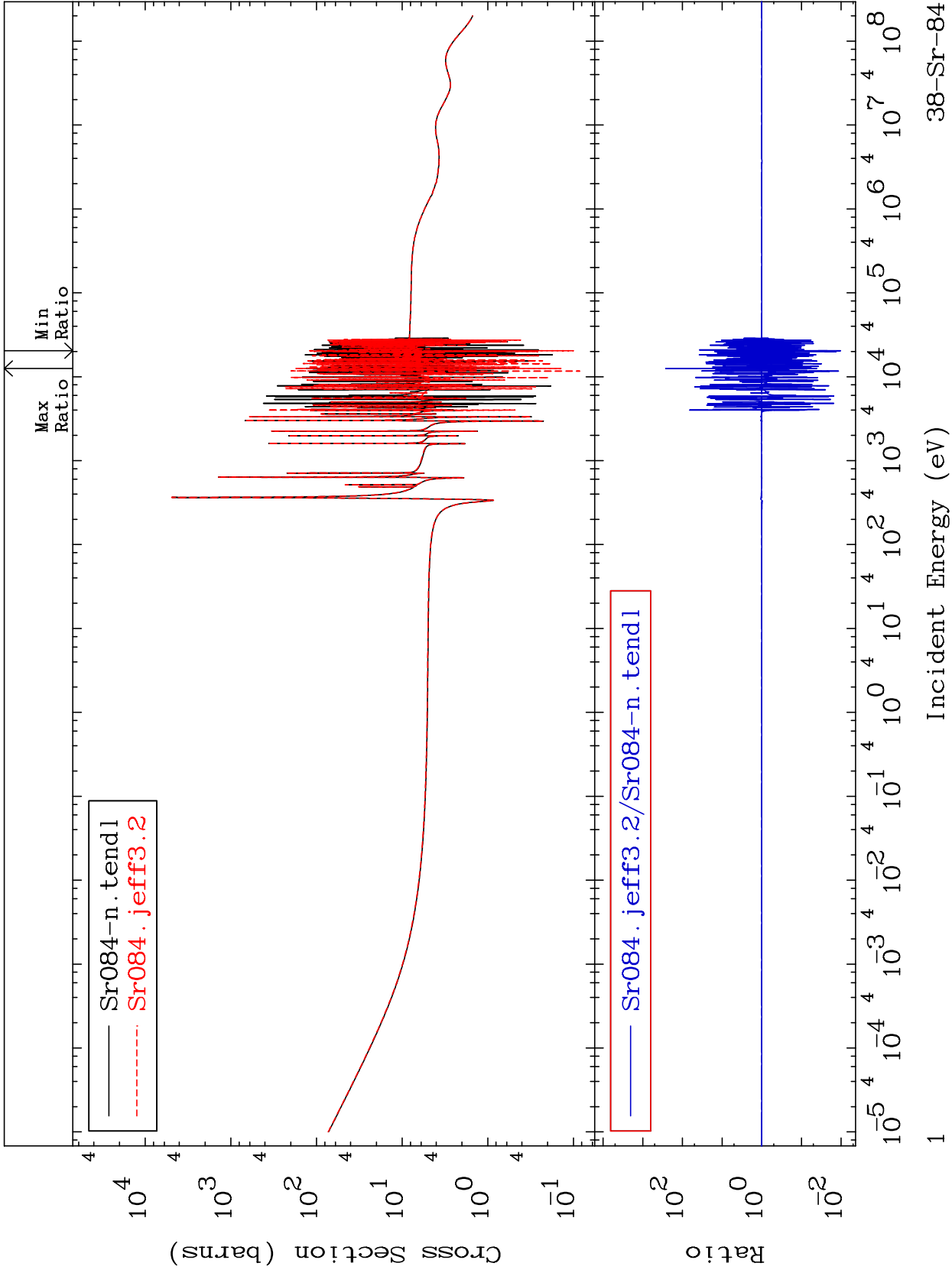
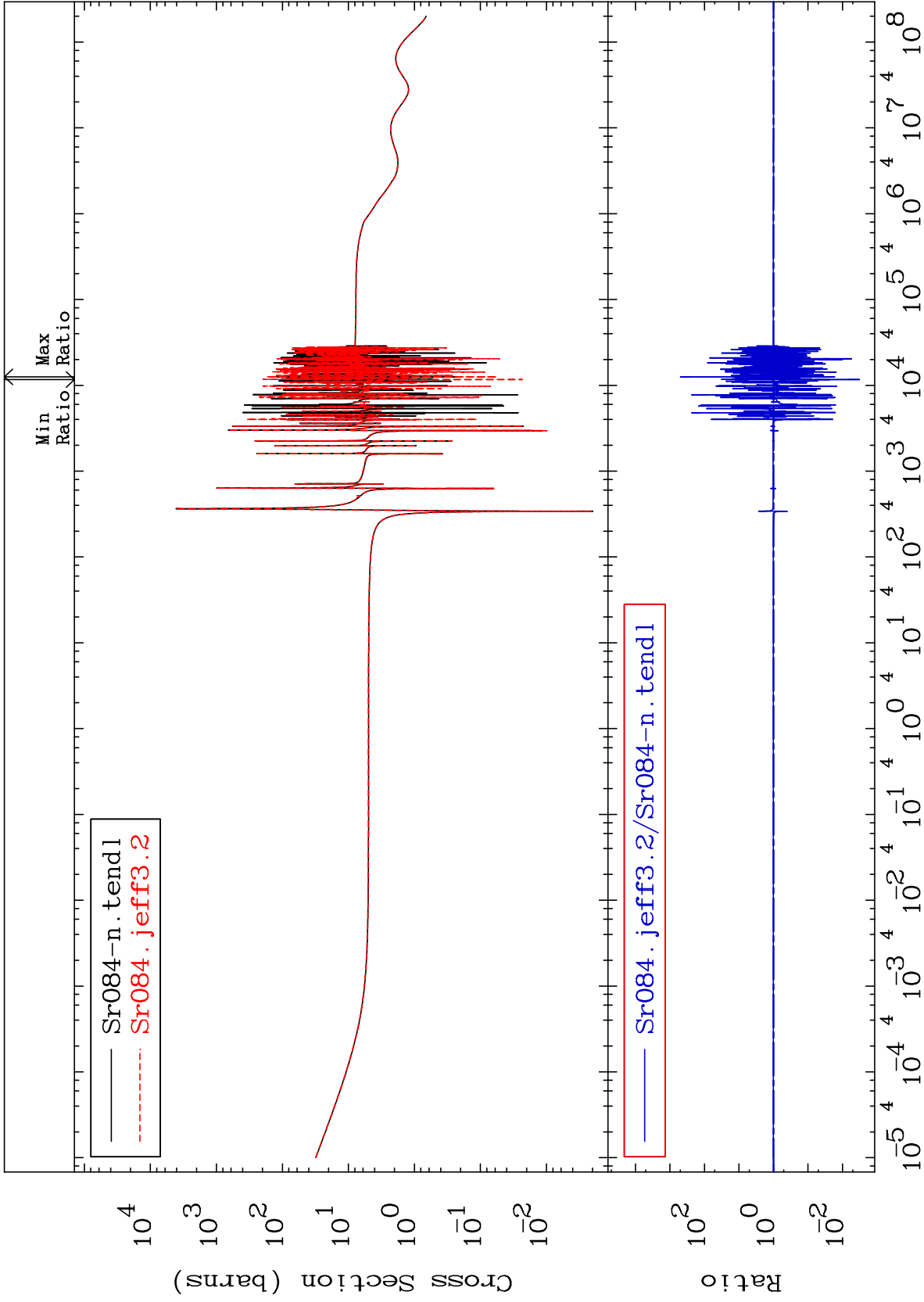


MAT 3825

Total
Cross Section

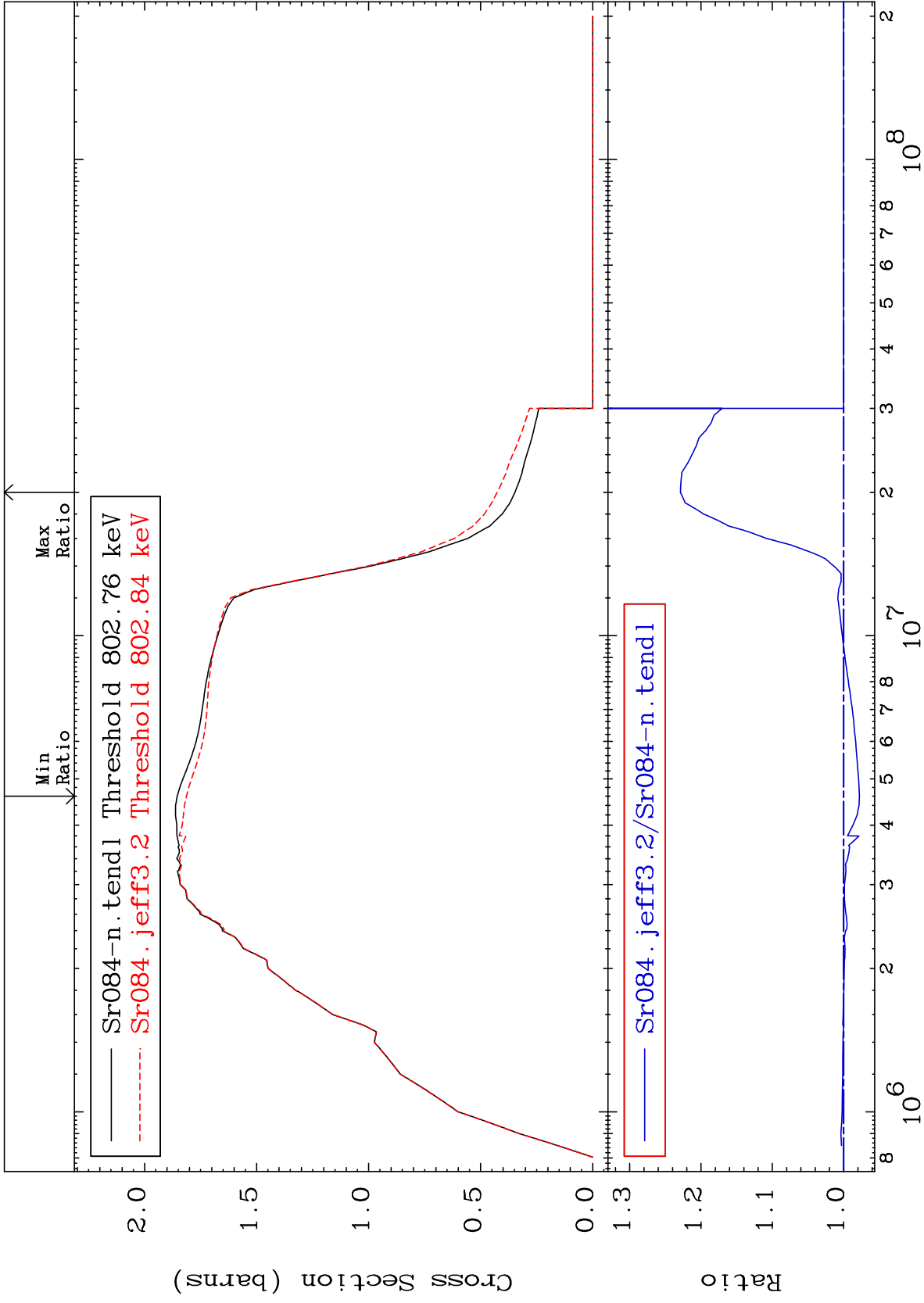
38-Sr-84
-98.97 To 9999. %





MAT 3825

Inelastic Cross Section
38-Sr-84
-2.213 To 22.90 %

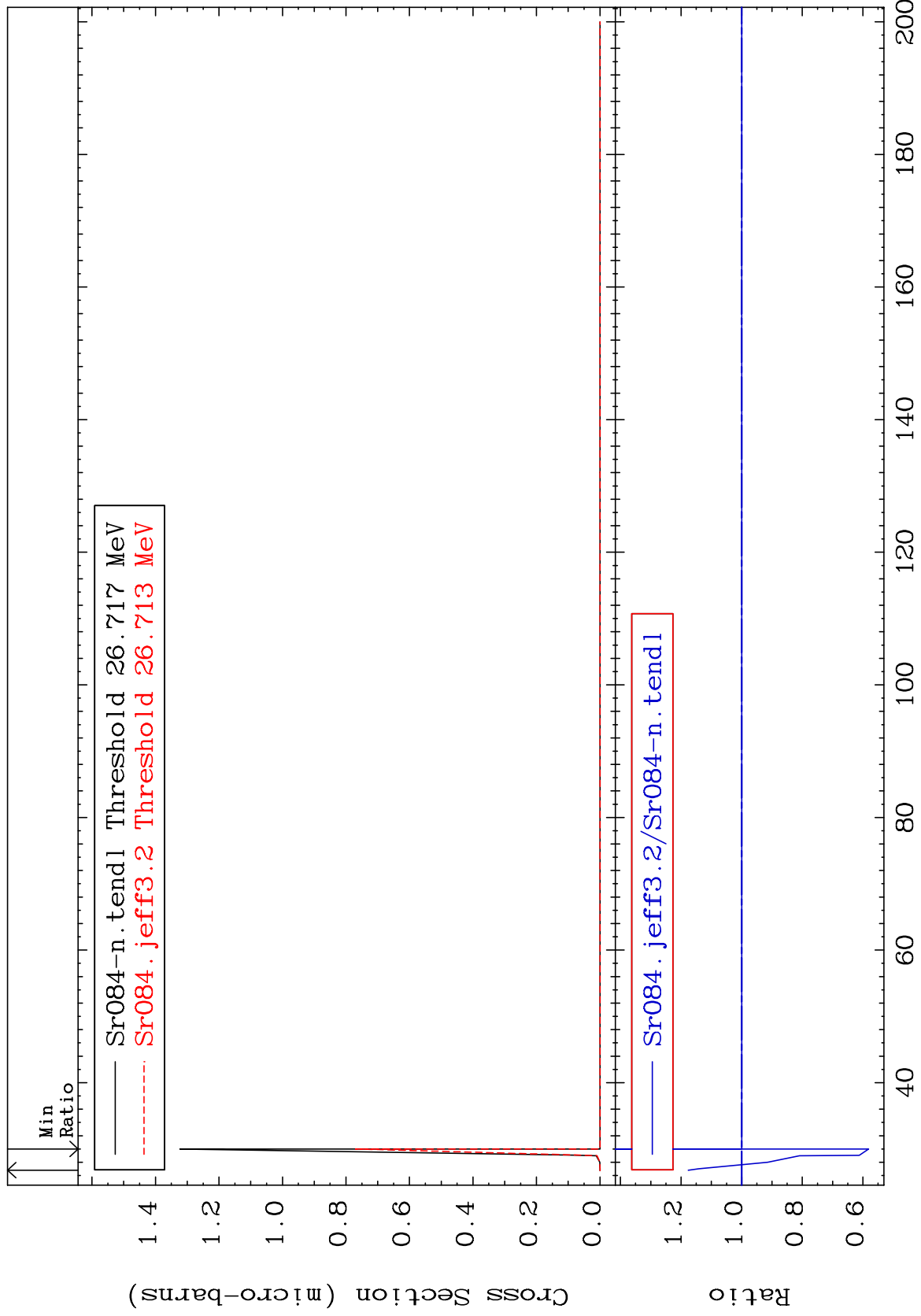


38-Sr-84

MAT 3825

(n,2n) d
Cross Section

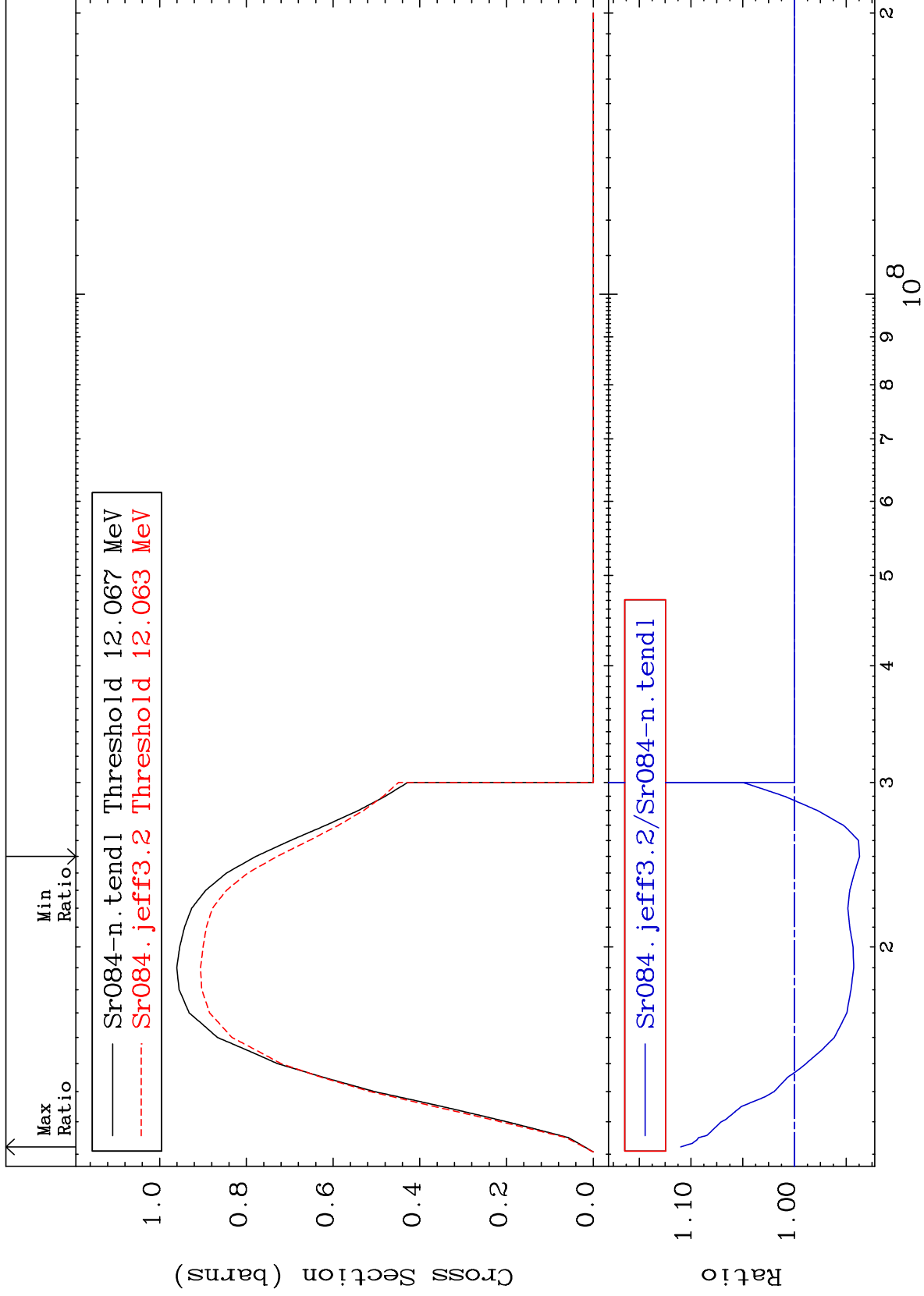
38-Sr-84
-41.86 To 17.63 %



MAT 3825

(n,2n)
Cross Section

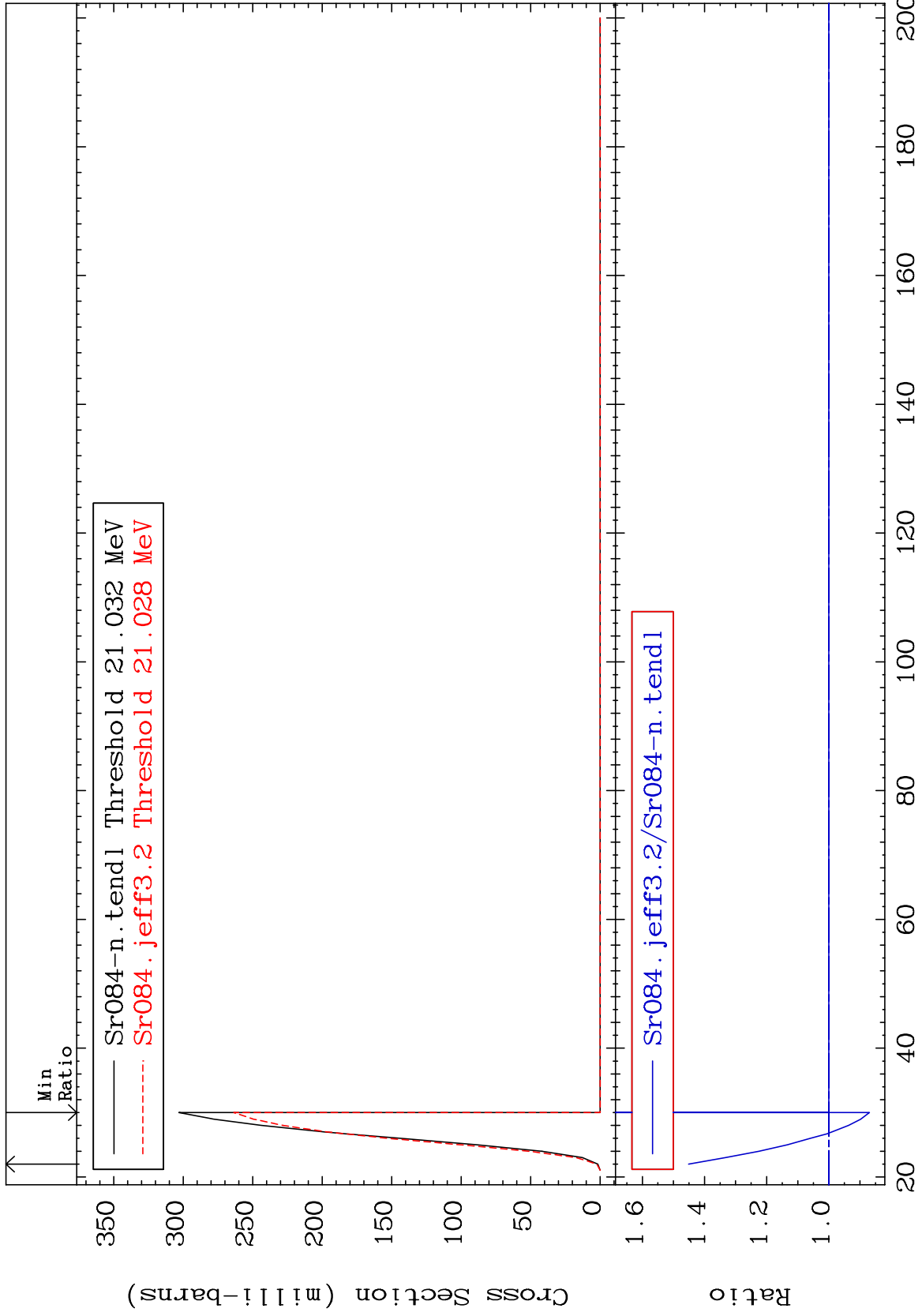
38-Sr-84
-6.288 To 10.98 %



MAT 3825

(n,3n)
Cross Section

³⁸Sr-84
-13.05 To 45.12 %



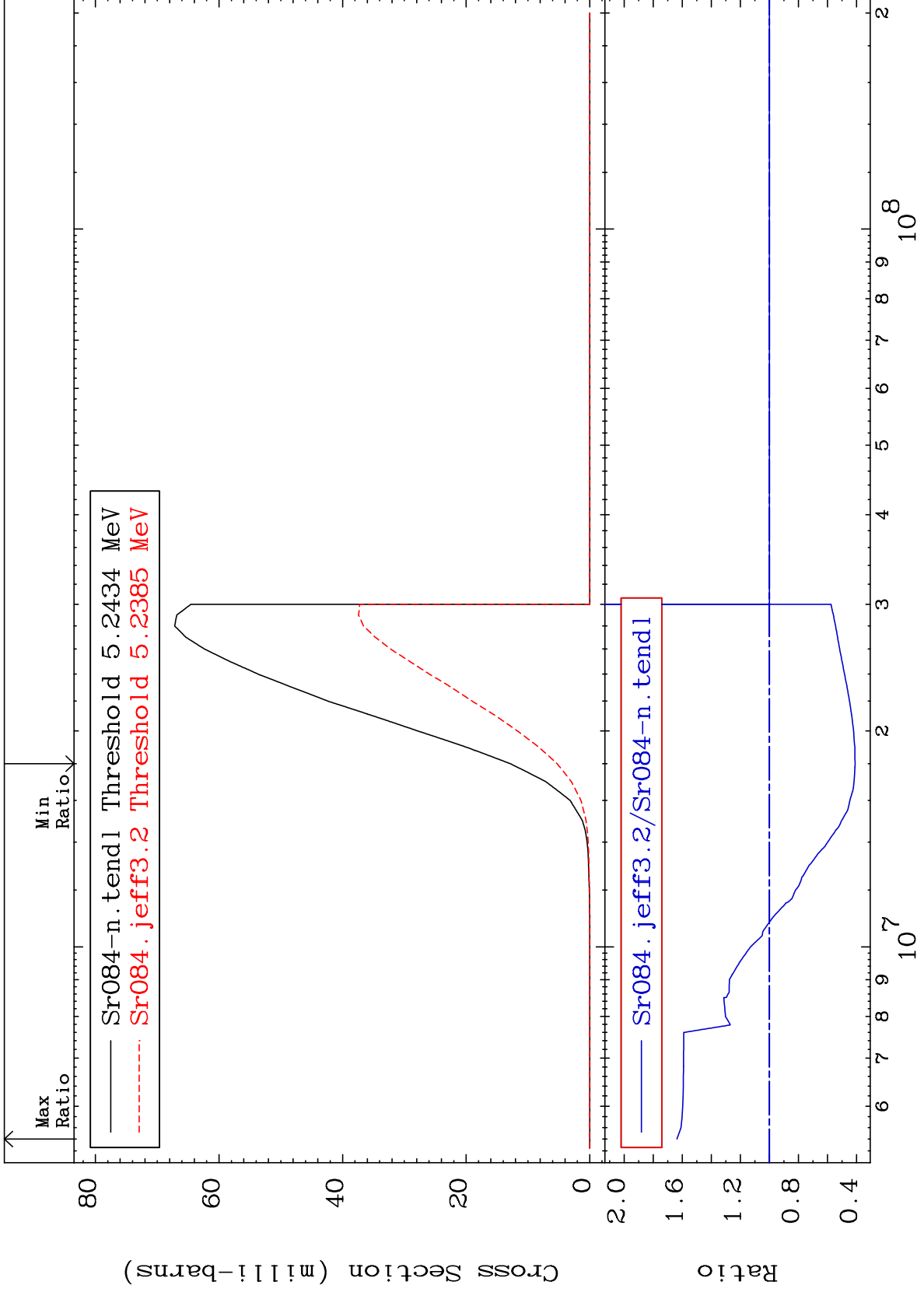
Incident Energy (MeV)

³⁸Sr-84

MAT 3825

(n, n') α
Cross Section

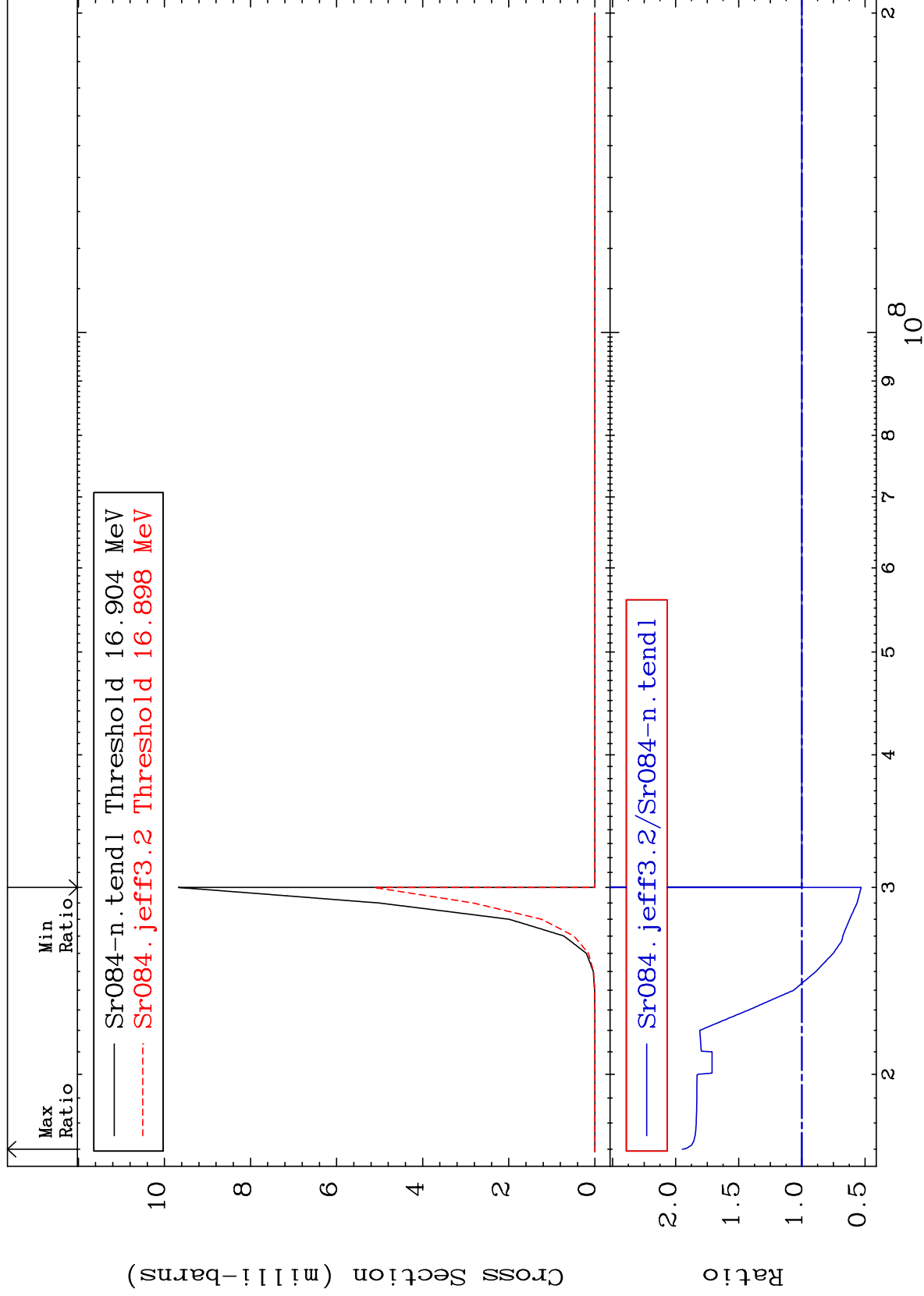
³⁸Sr-⁸⁴
-58.95 To 63.65 %



MAT 3825

(n,2n) α
Cross Section

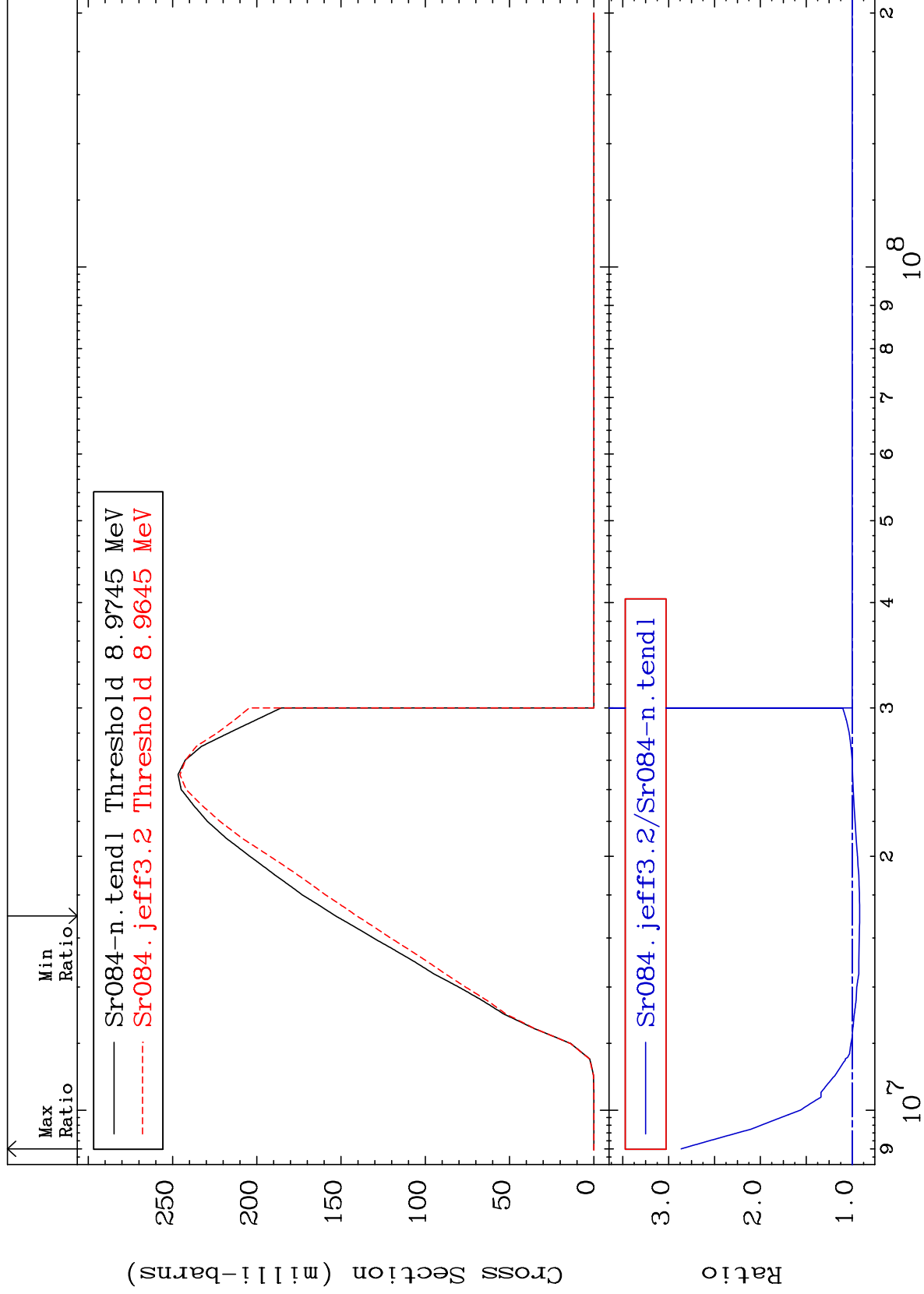
38-Sr-84
-46.94 To 94.74 %



MAT 3825

(n,n') p
Cross Section

38-Sr-84
-8.199 To 186.3 %



38-Sr-84

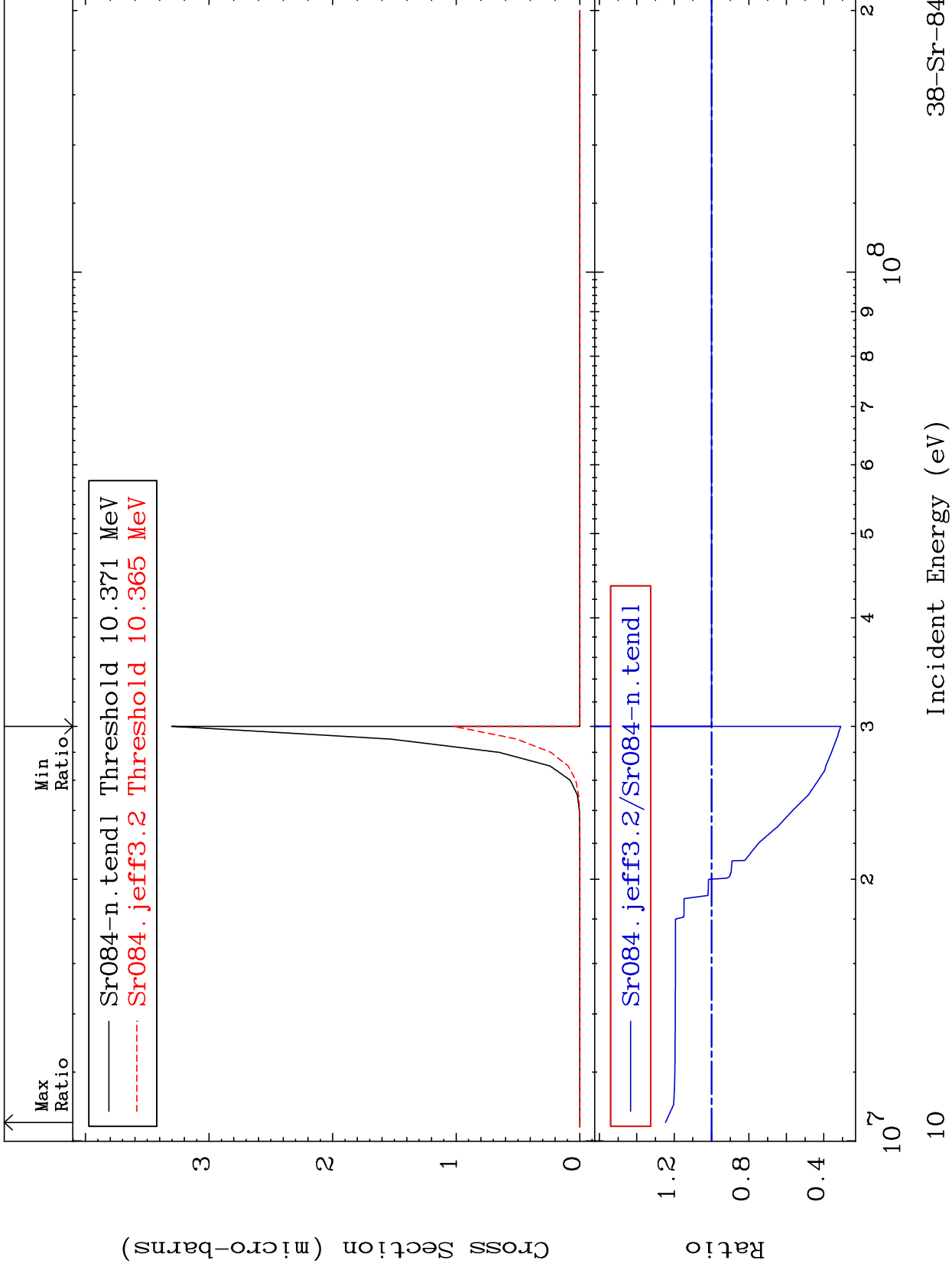
Incident Energy (eV)

9

MAT 3825

(n, n') 2α
Cross Section

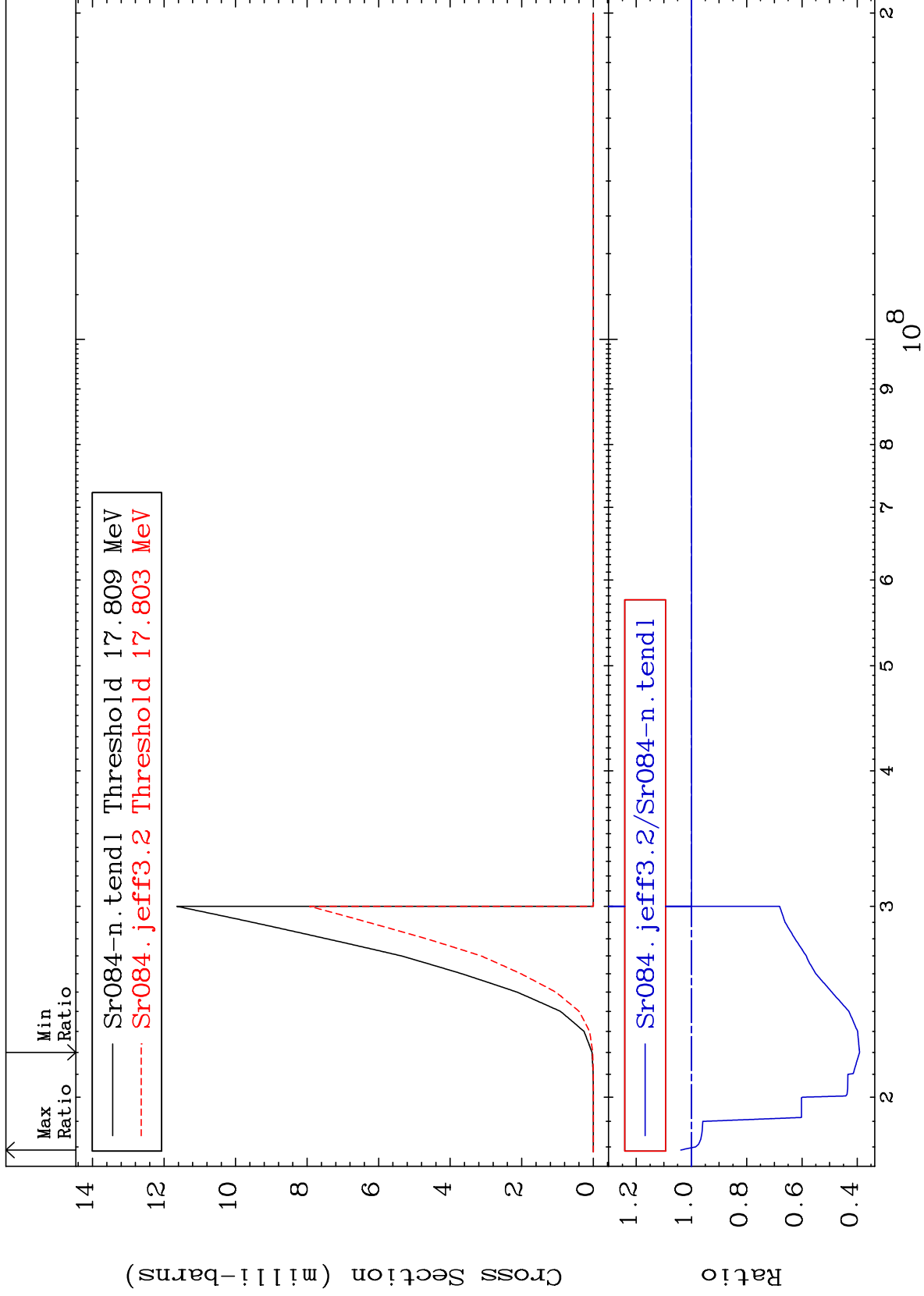
38-Sr-84
-69.03 To 24.64 %



MAT 3825

(n,n') d
Cross Section

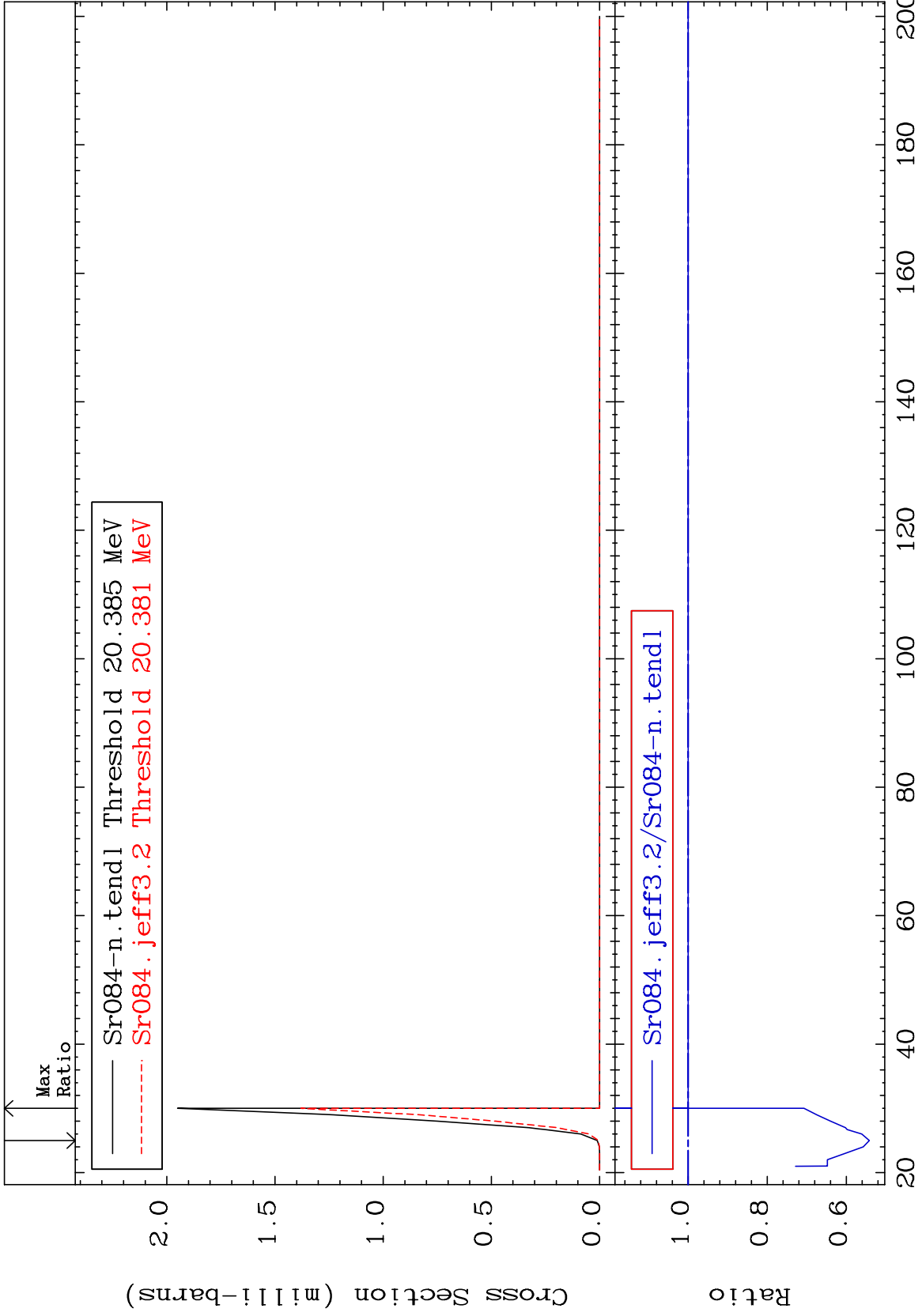
38-Sr-84
-60.83 To 3.873 %

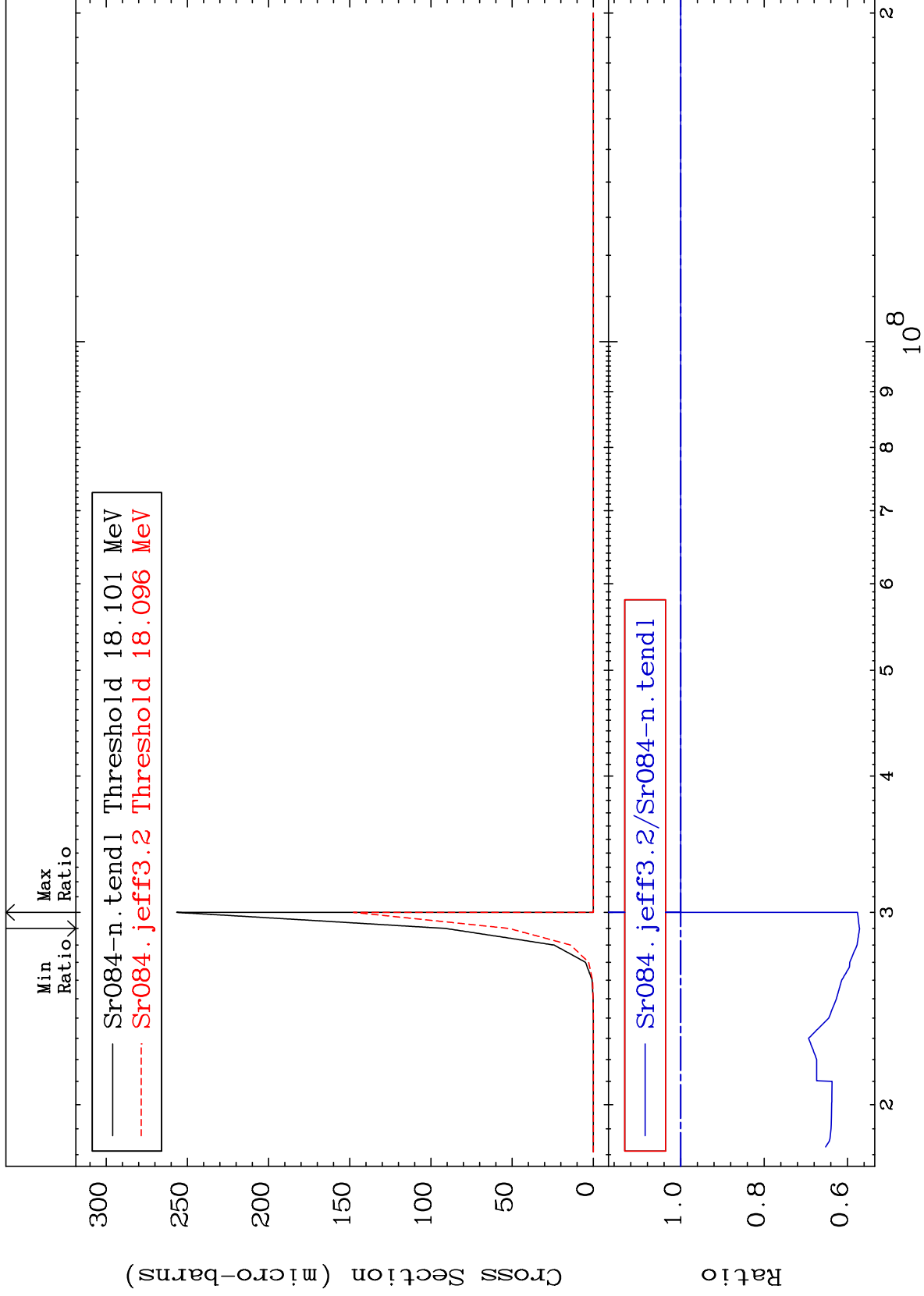


MAT 3825

(n,n') t
Cross Section

38-Sr-84
-45.83 To 0.000 %

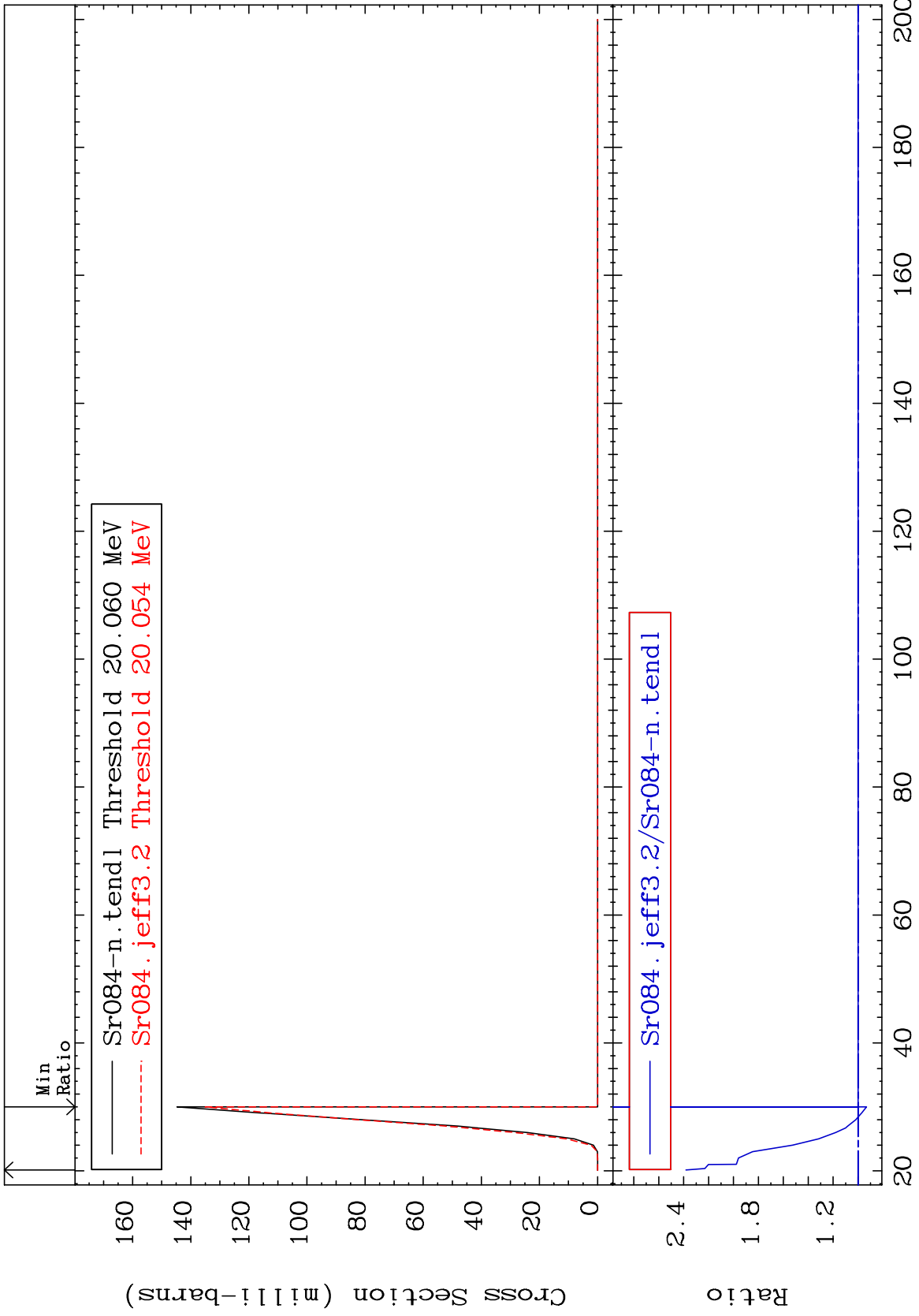




MAT 3825

(n,2n) p
Cross Section

³⁸Sr-84
-6.767 To 138.1 %



14

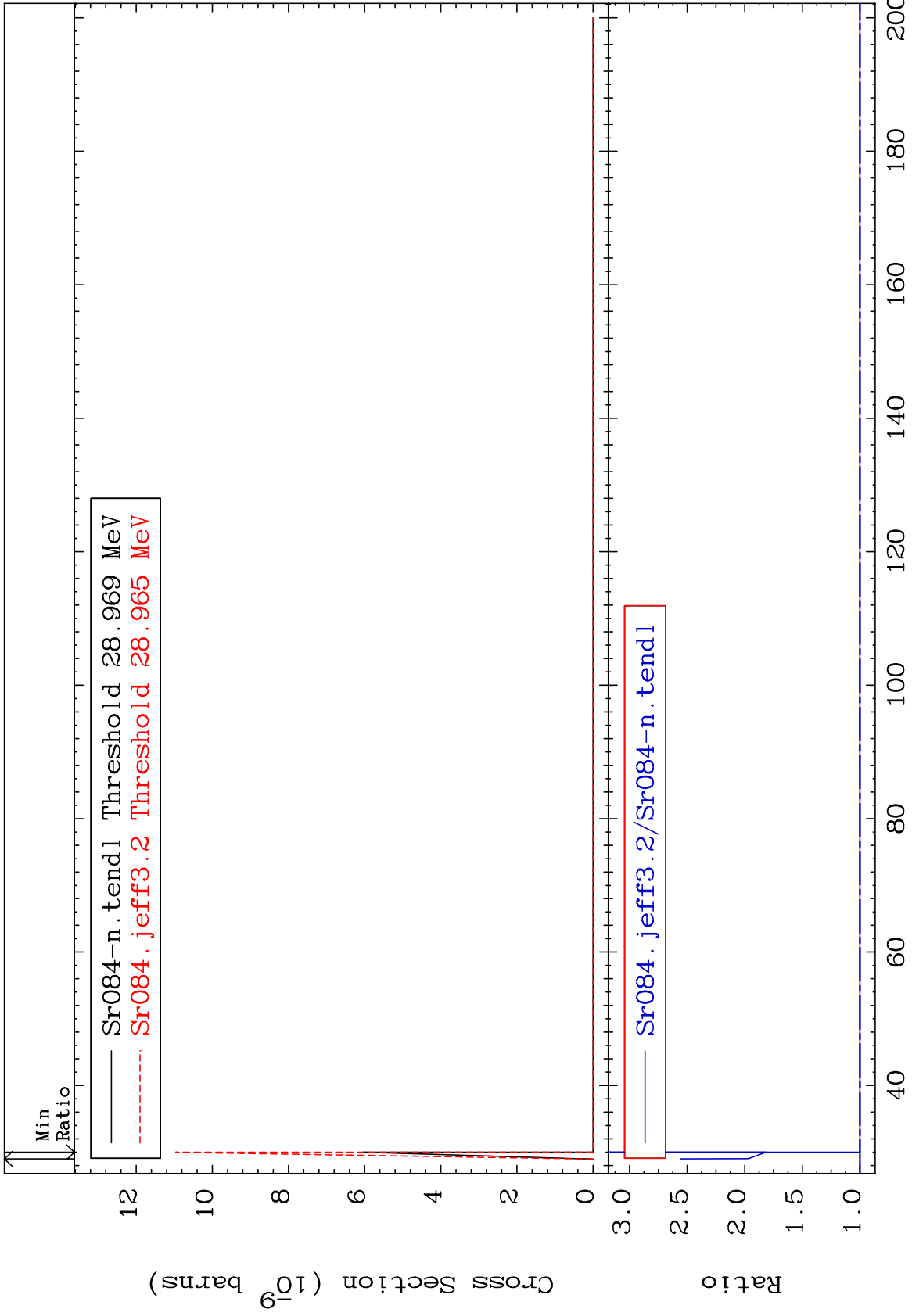
Incident Energy (MeV)

³⁸Sr-84

MAT 3825

(n,3n) p
Cross Section

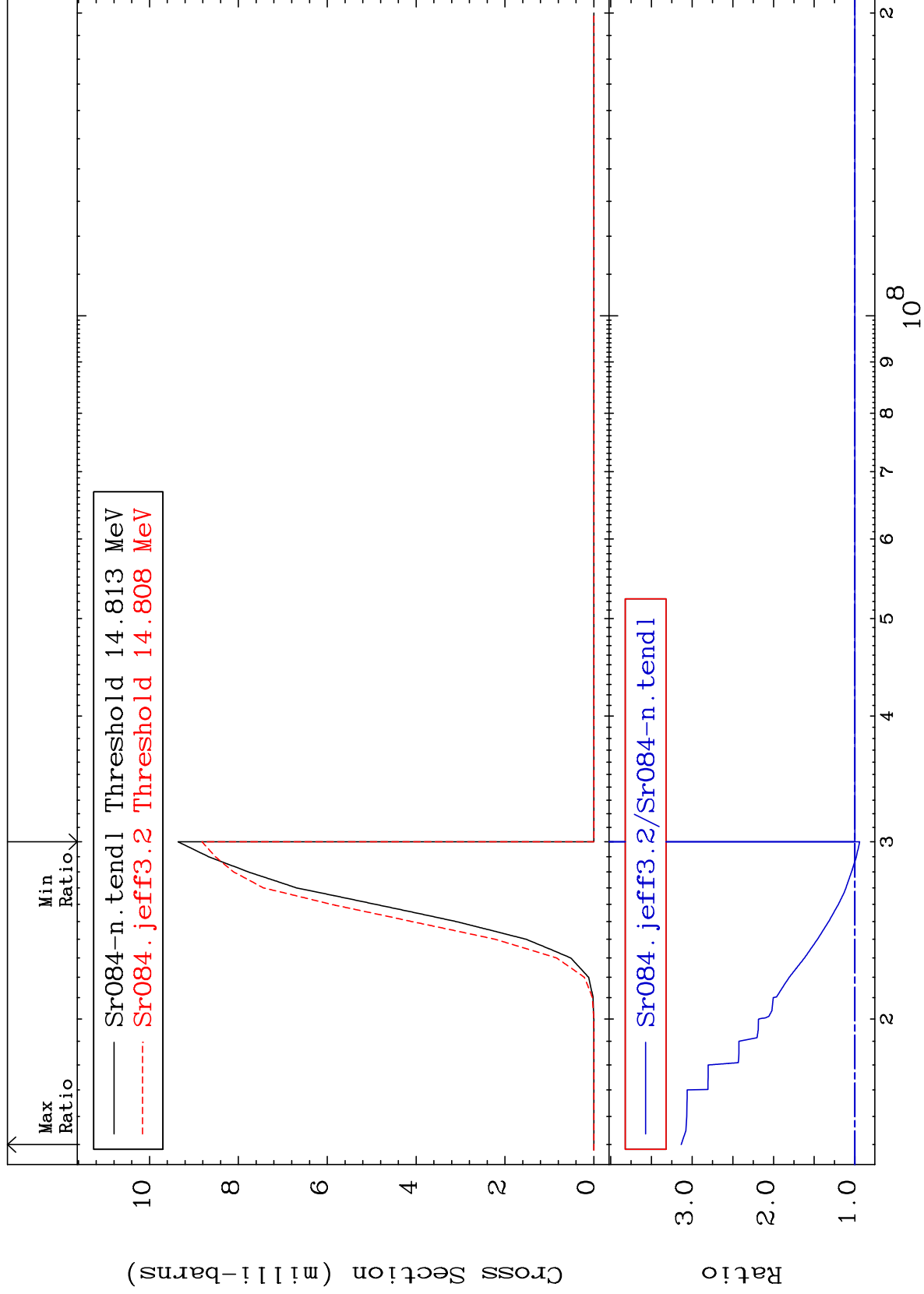
38-Sr-84
0.000 To 155.5 %

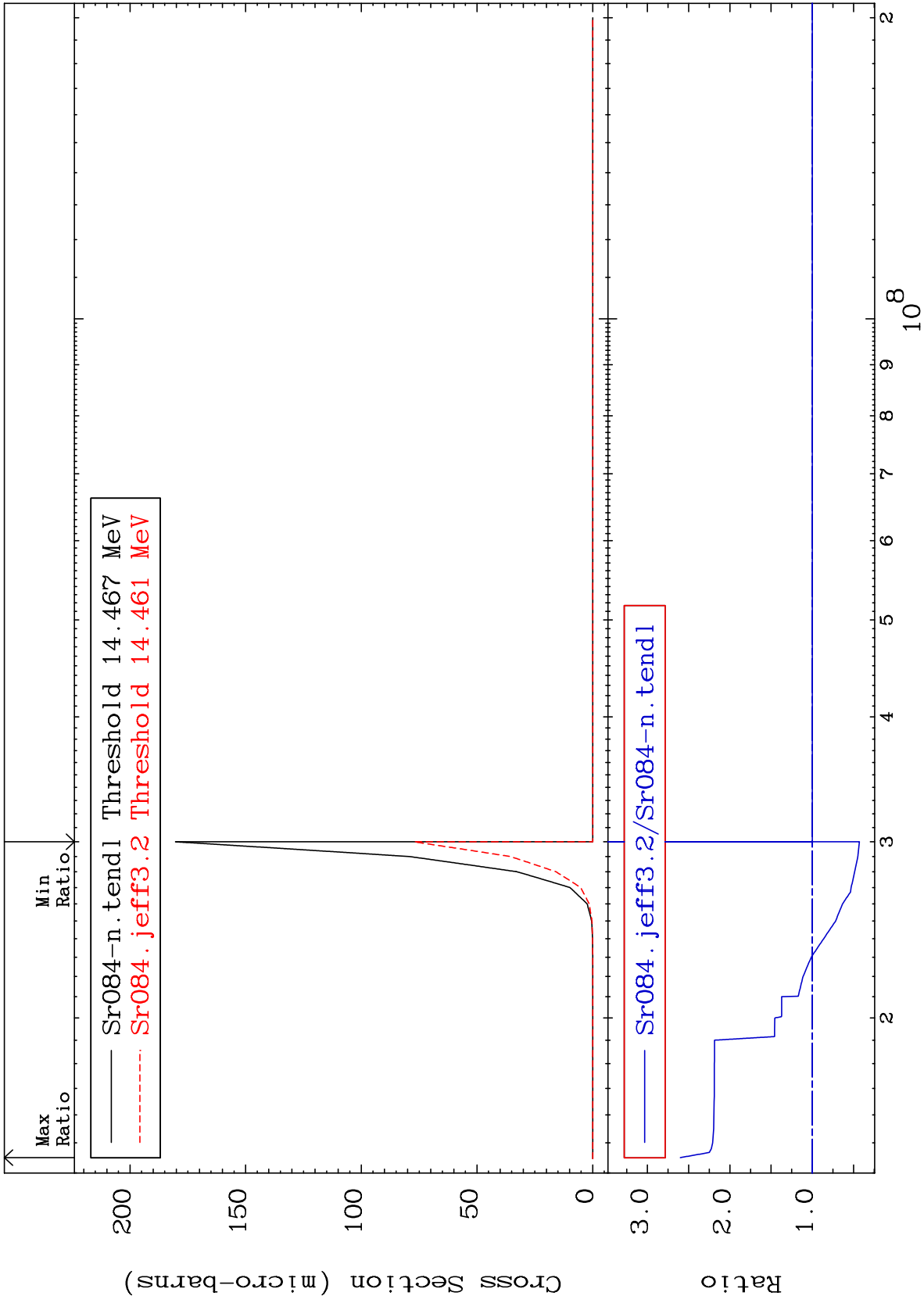


MAT 3825

(n,2n) p
Cross Section

38-Sr-84
-5.768 To 213.4 %

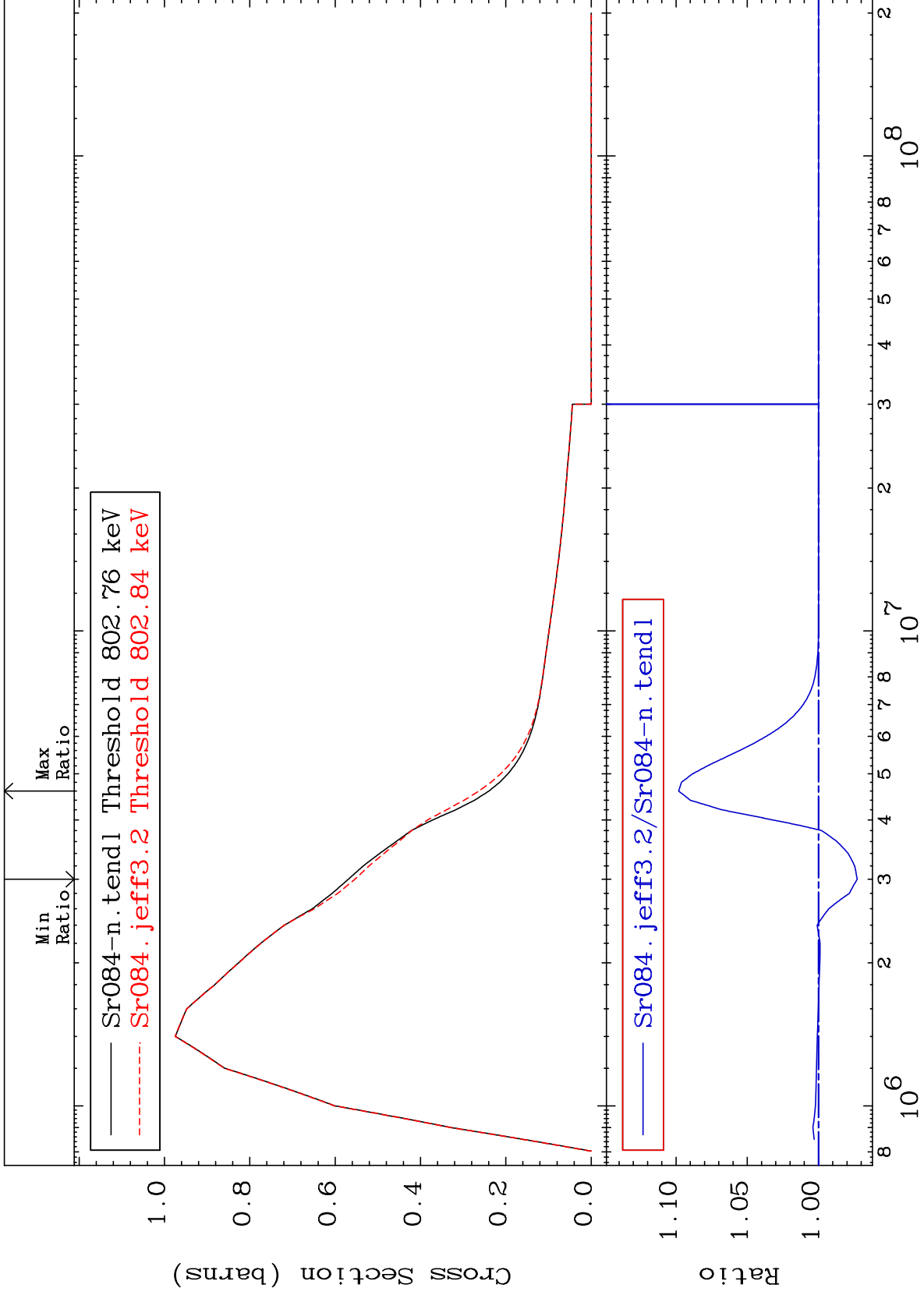




MAT 3825

793.2 keV (n,n') Level
Cross Section

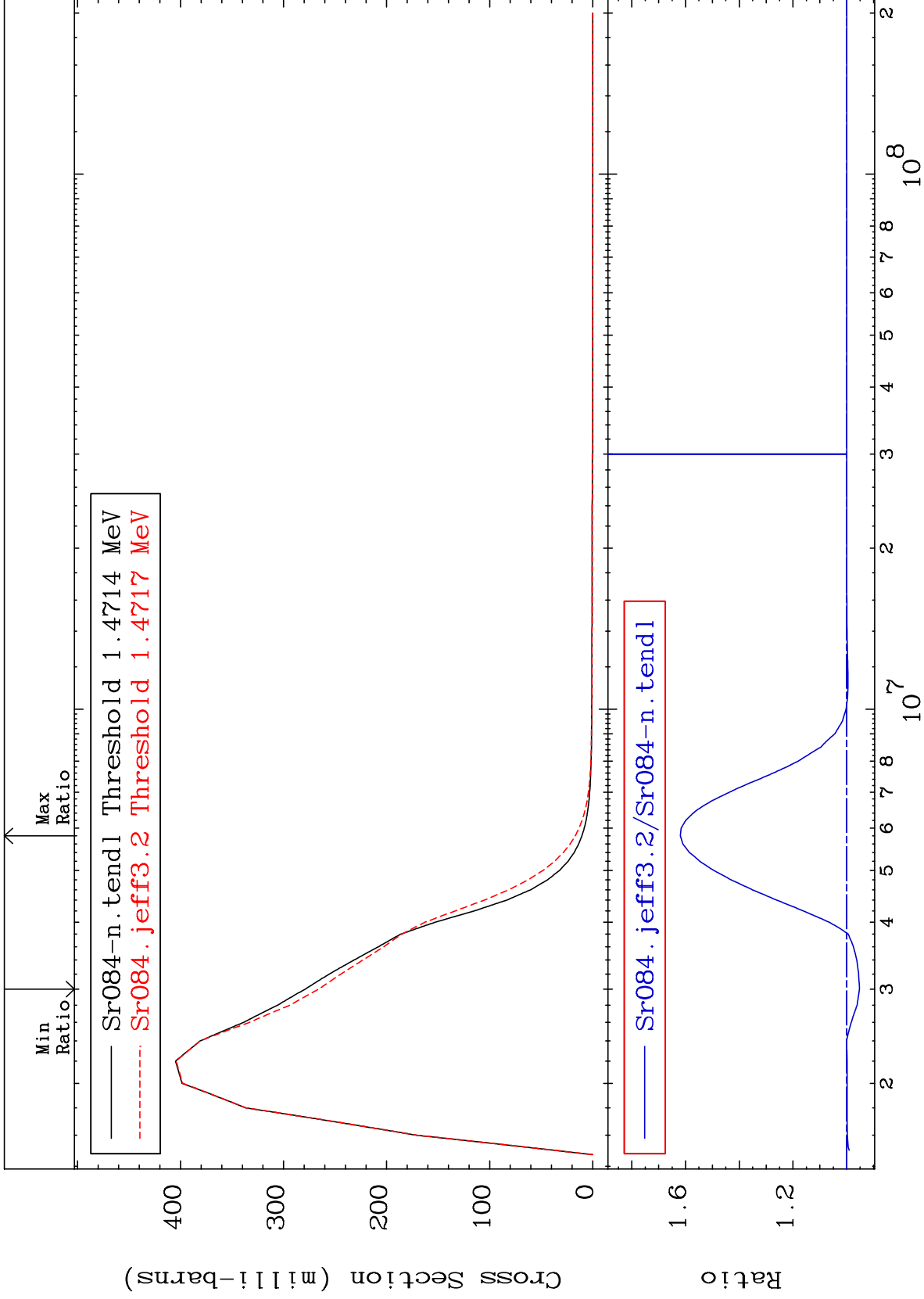
38-Sr-84
-2.720 To 9.816 %



18

Incident Energy (eV)

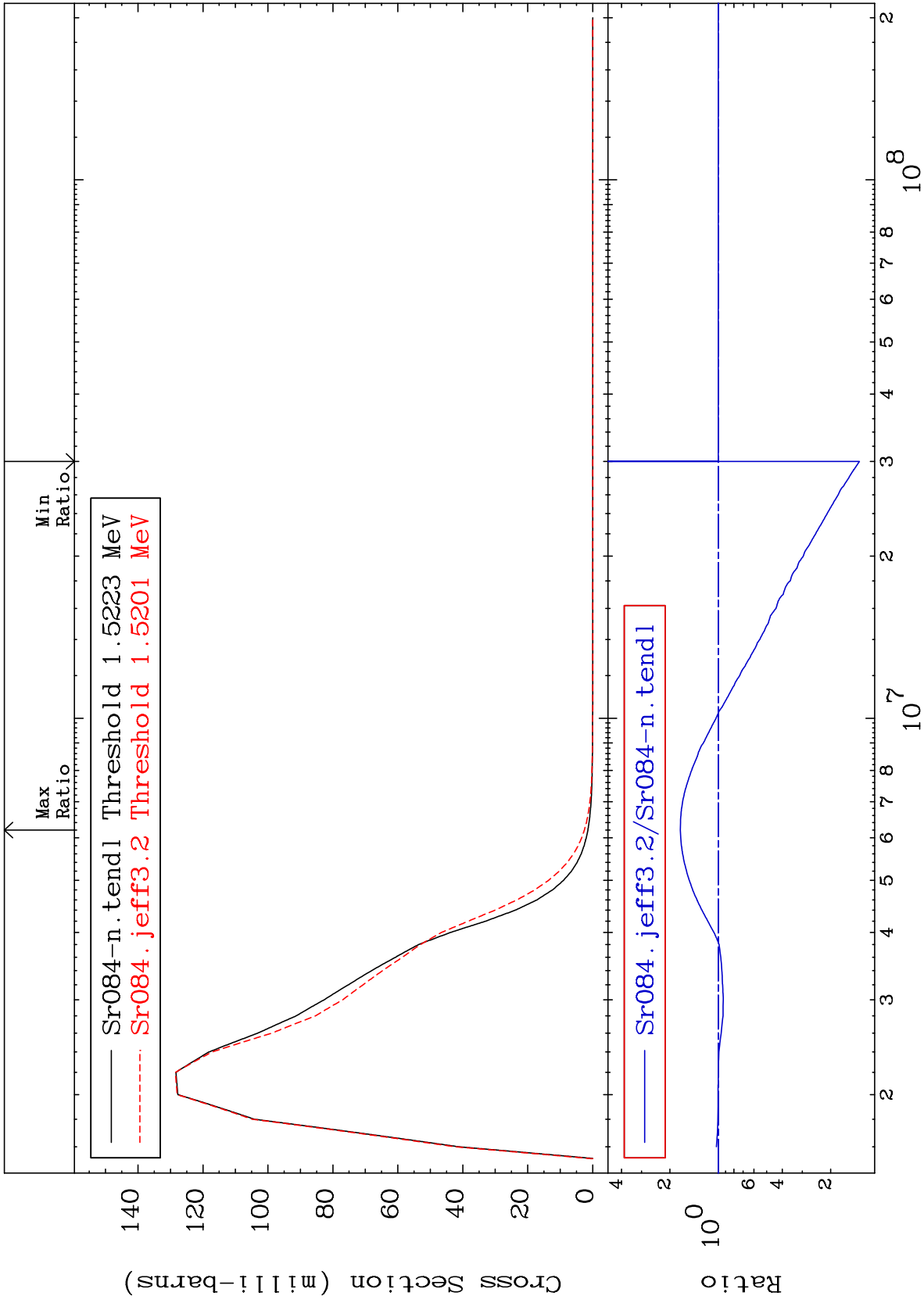
38-Sr-84



MAT 3825

1.504 MeV (n,n') Level
Cross Section

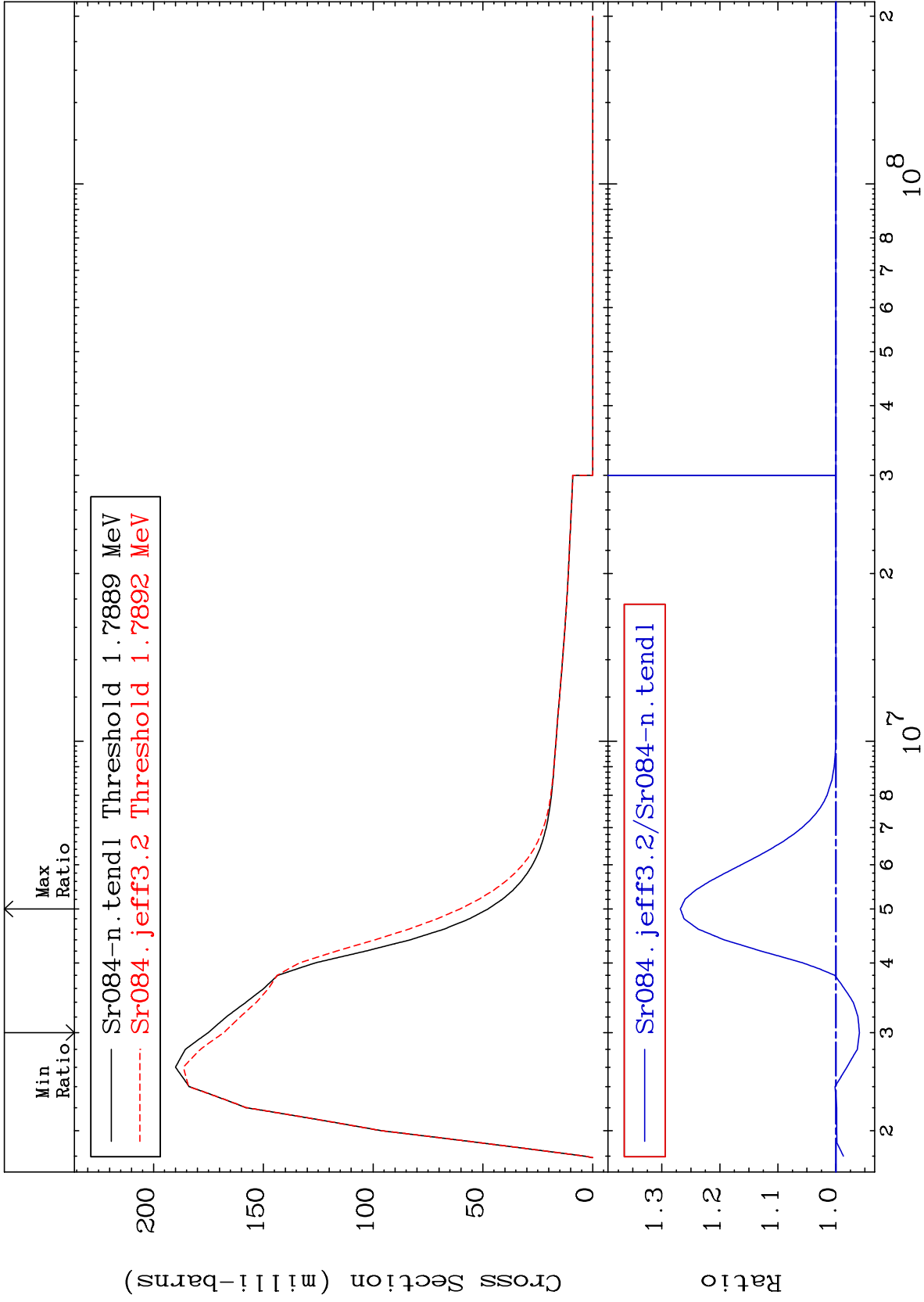
38-Sr-84
-86.76 To 72.10 %

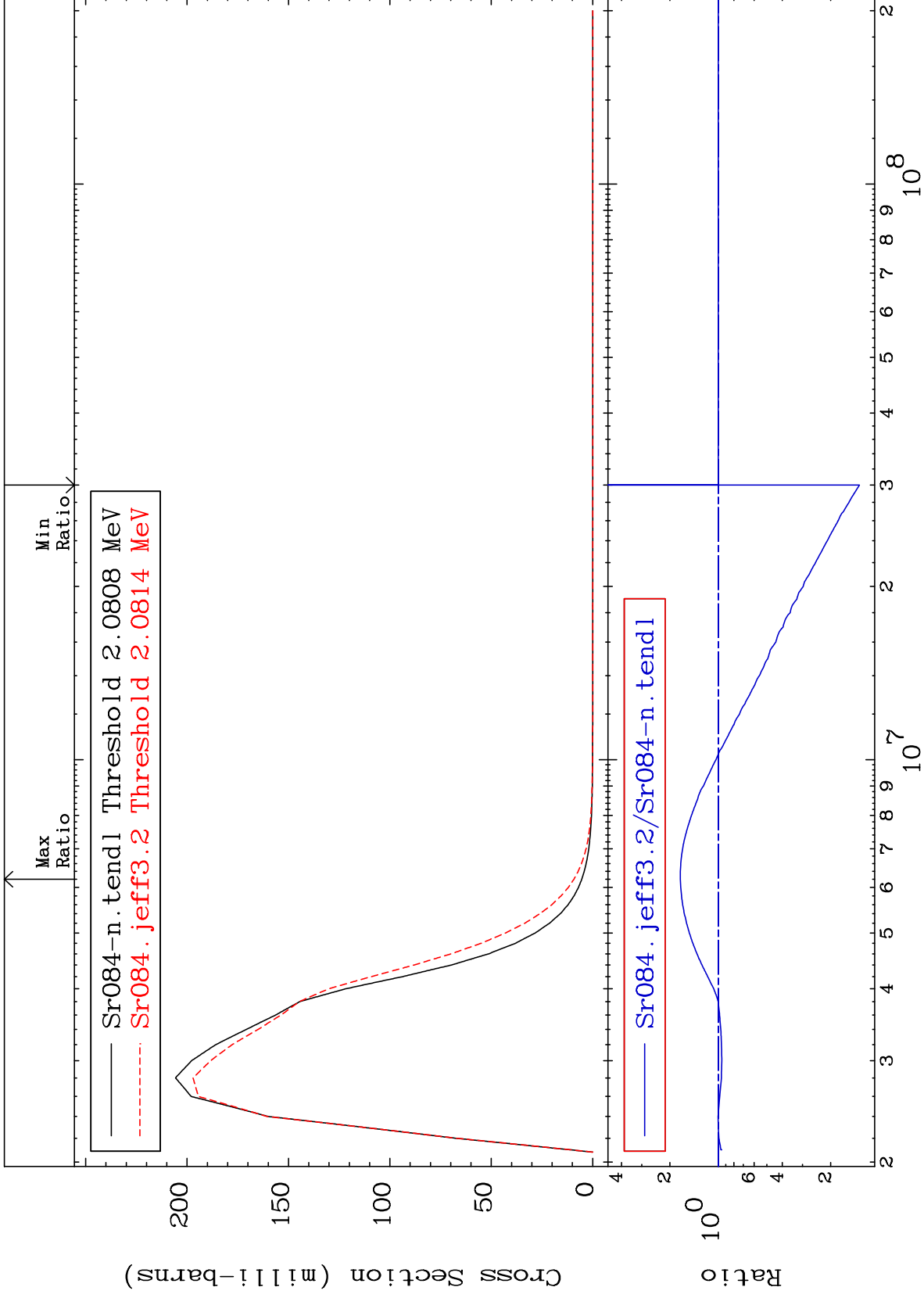


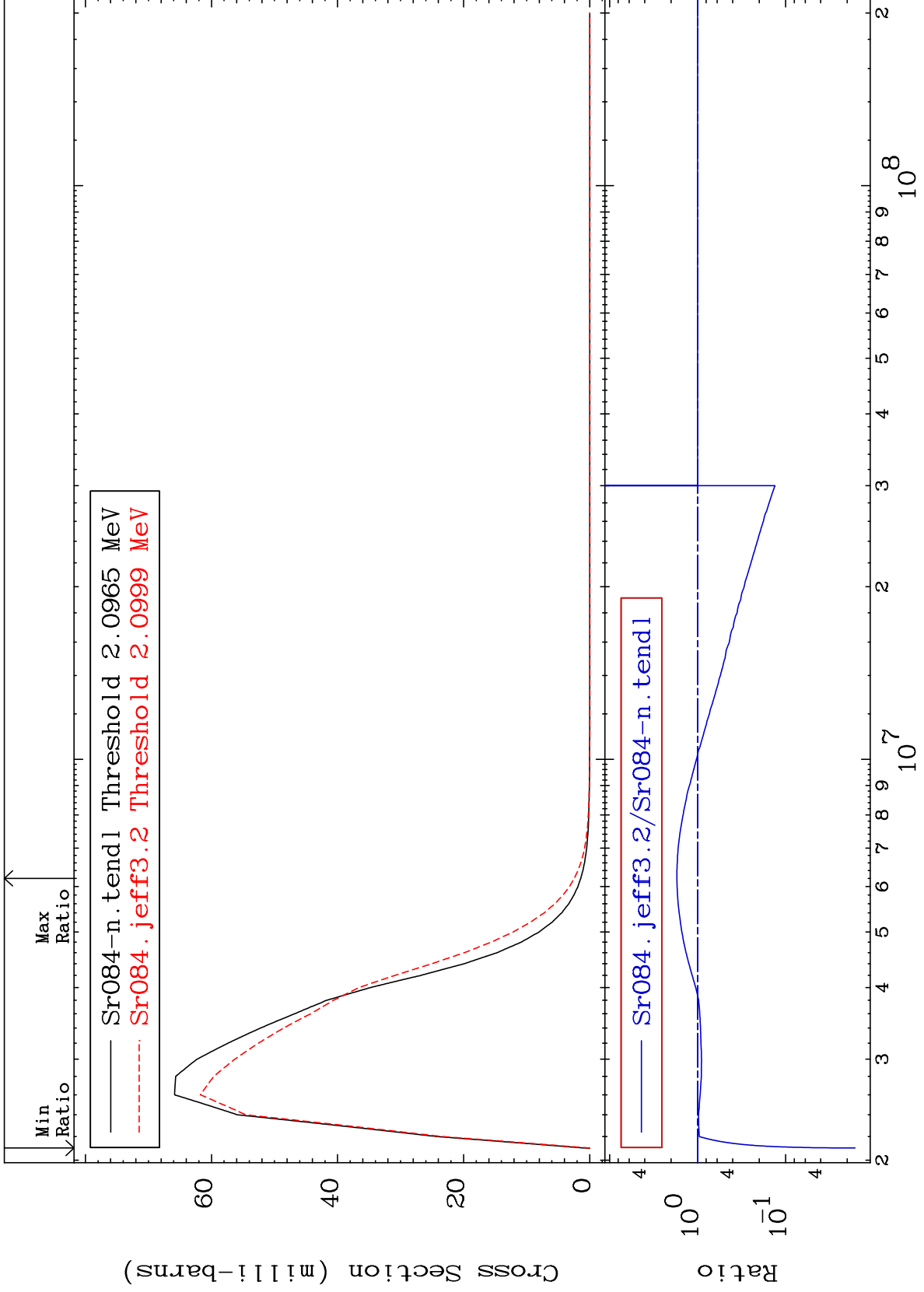
20

Incident Energy (eV)

38-Sr-84



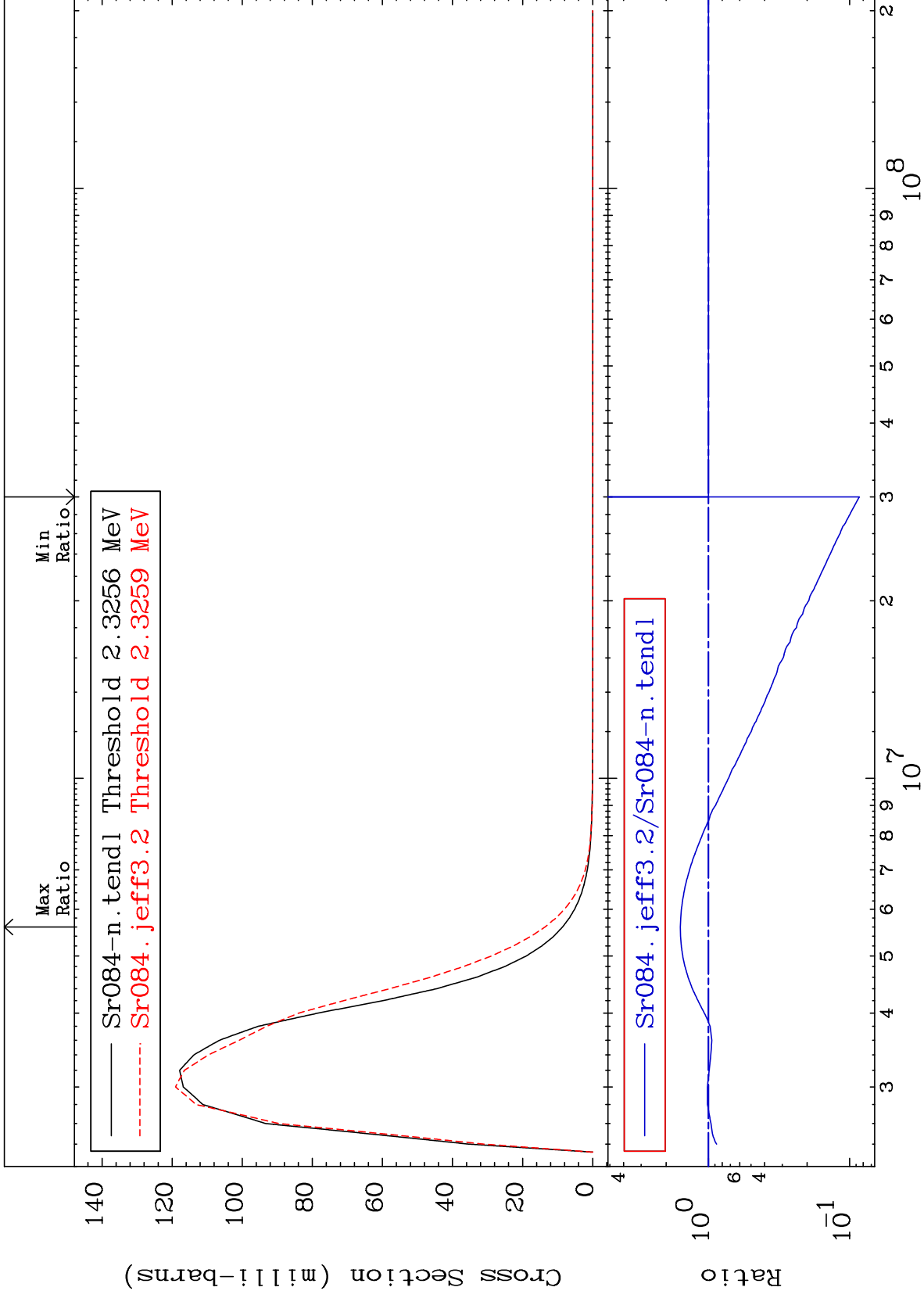




MAT 3825

2.298 MeV (n,n') Level
Cross Section

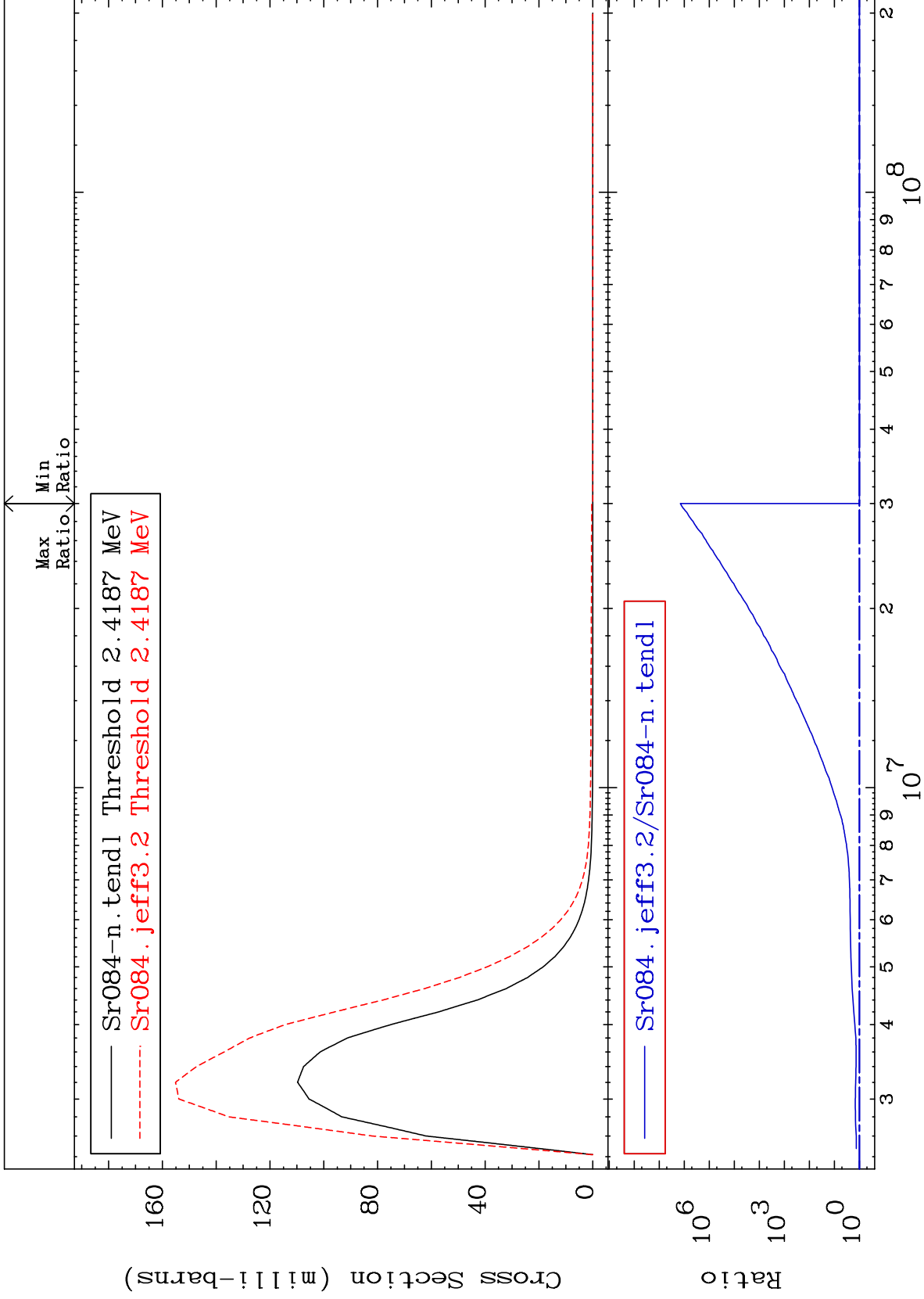
38-Sr-84
-91.49 To 58.33 %



MAT 3825

2.390 MeV (n,n') Level
Cross Section

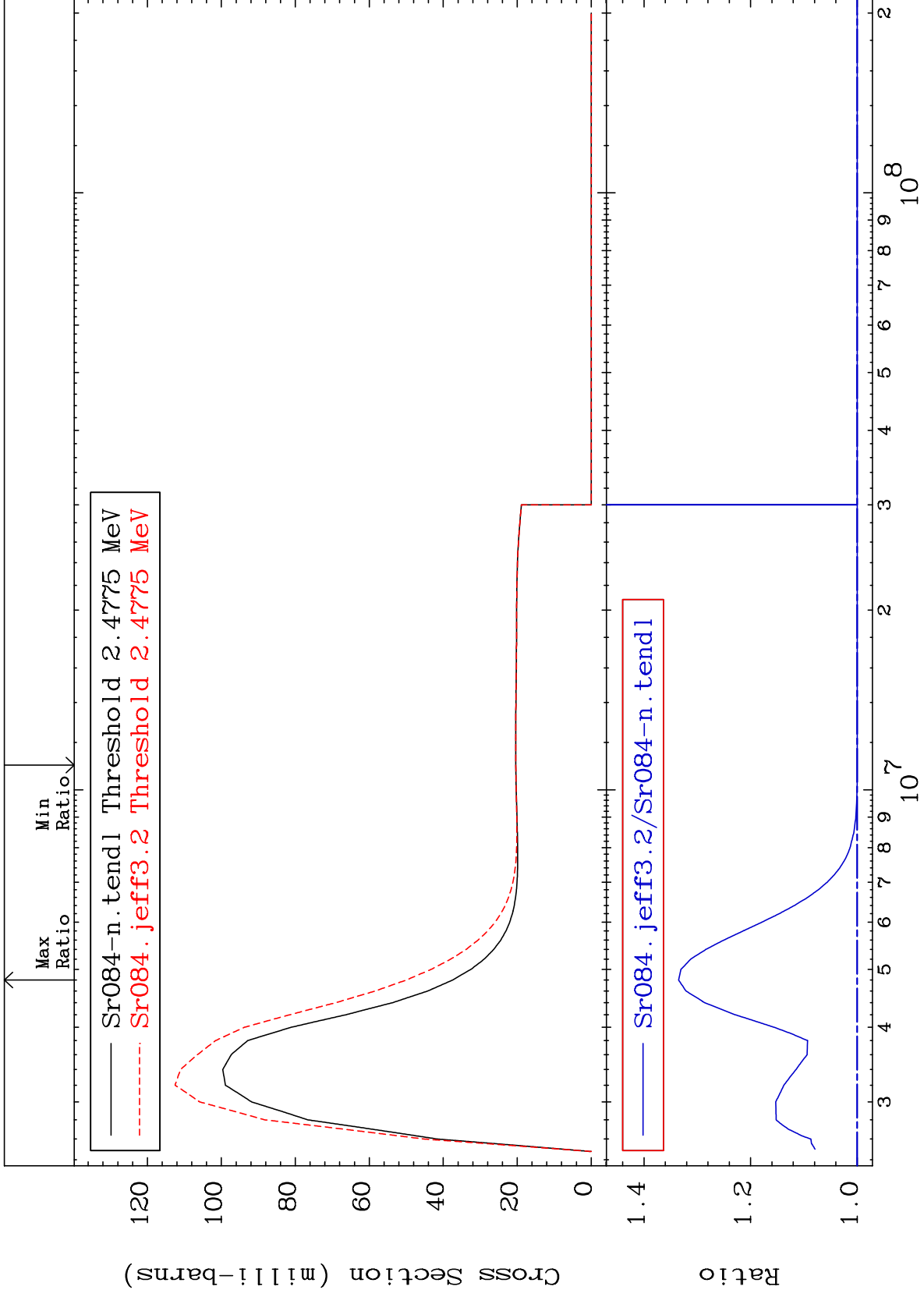
38-Sr-84
To 9999. %

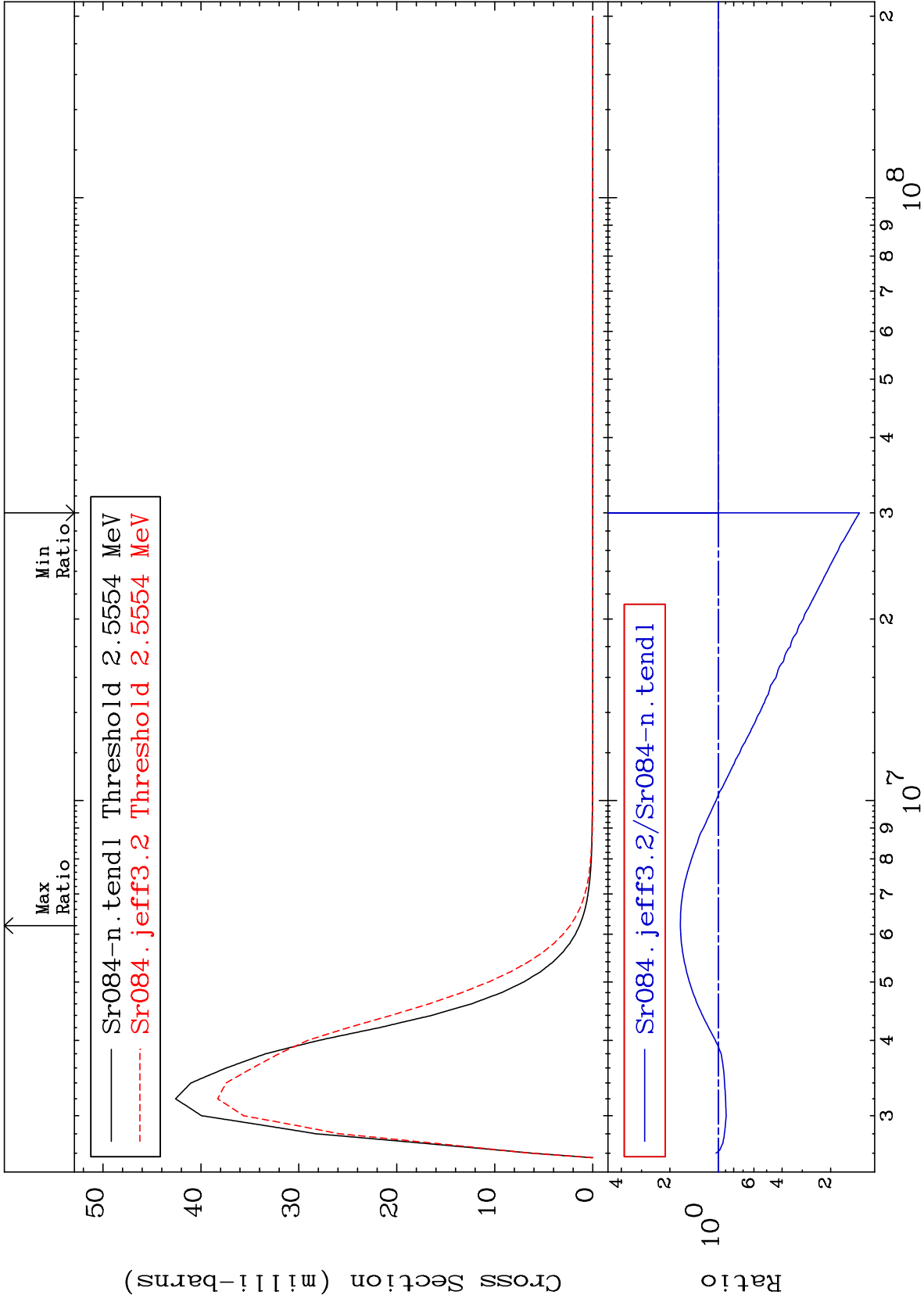


MAT 3825

2.448 MeV (n,n') Level
Cross Section

38-Sr-84
-0.019 To 33.50 %

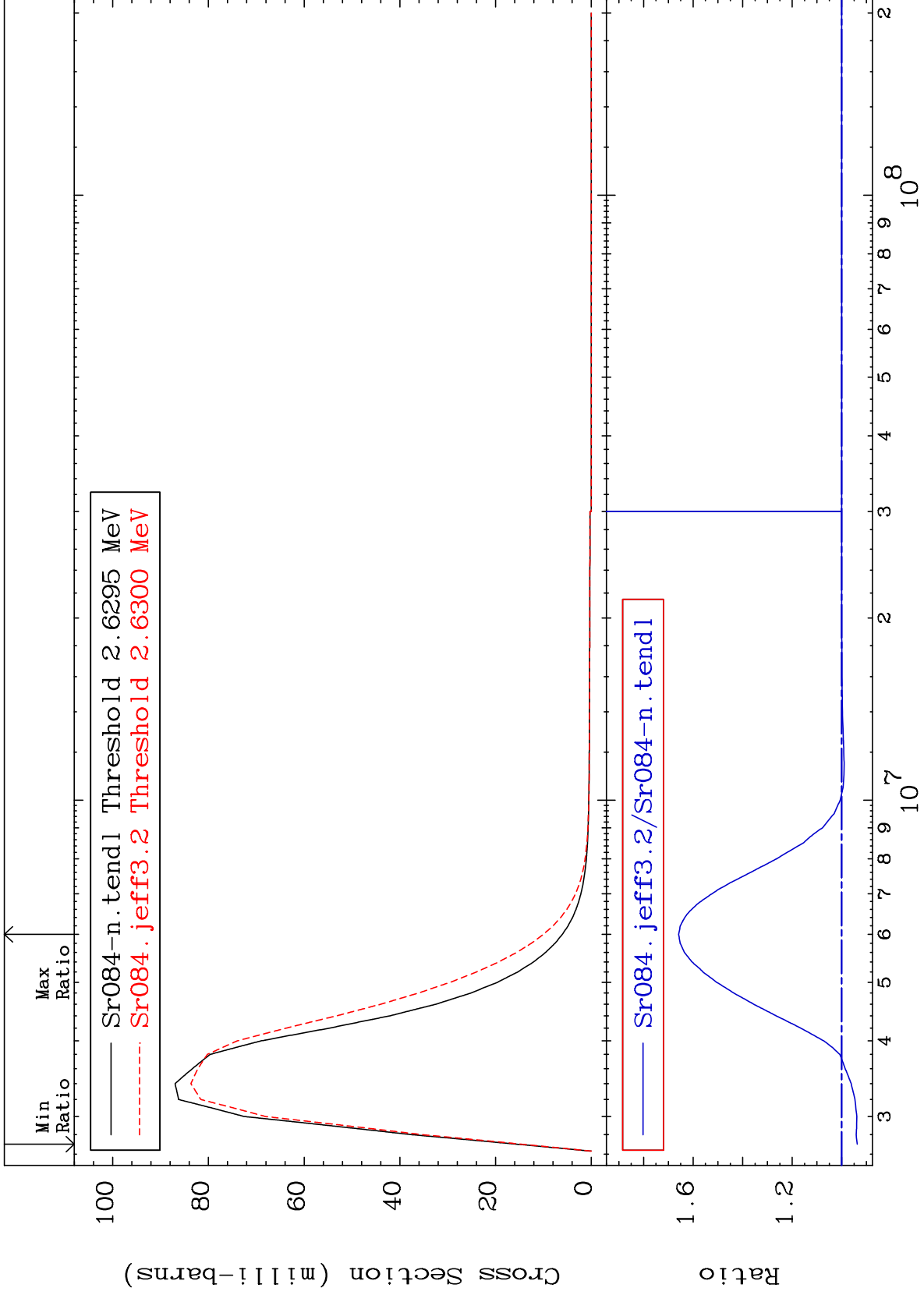




MAT 3825

2.598 MeV (n,n') Level
Cross Section

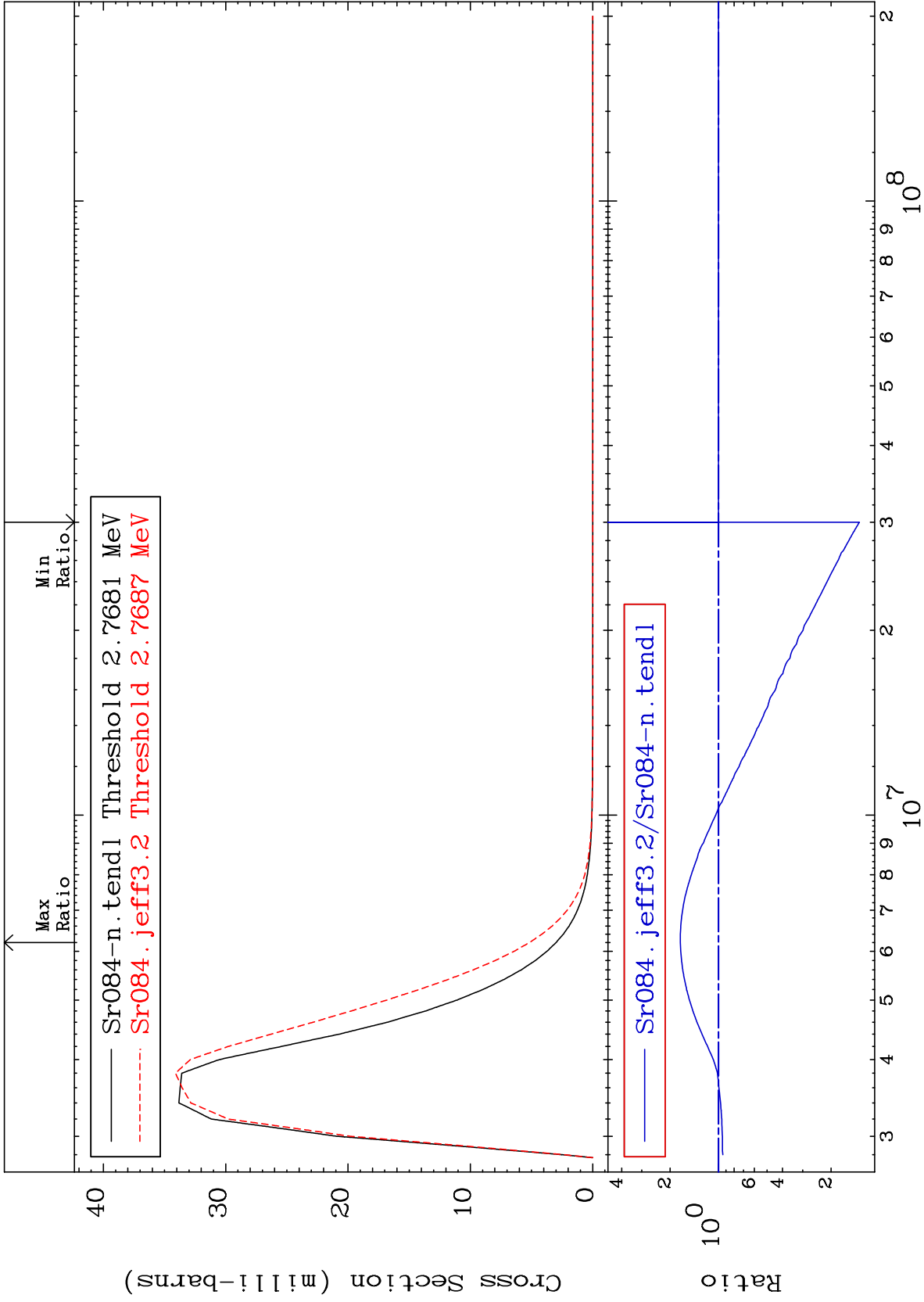
38-Sr-84
-6.279 To 65.86 %



MAT 3825

2.735 MeV (n,n') Level
Cross Section

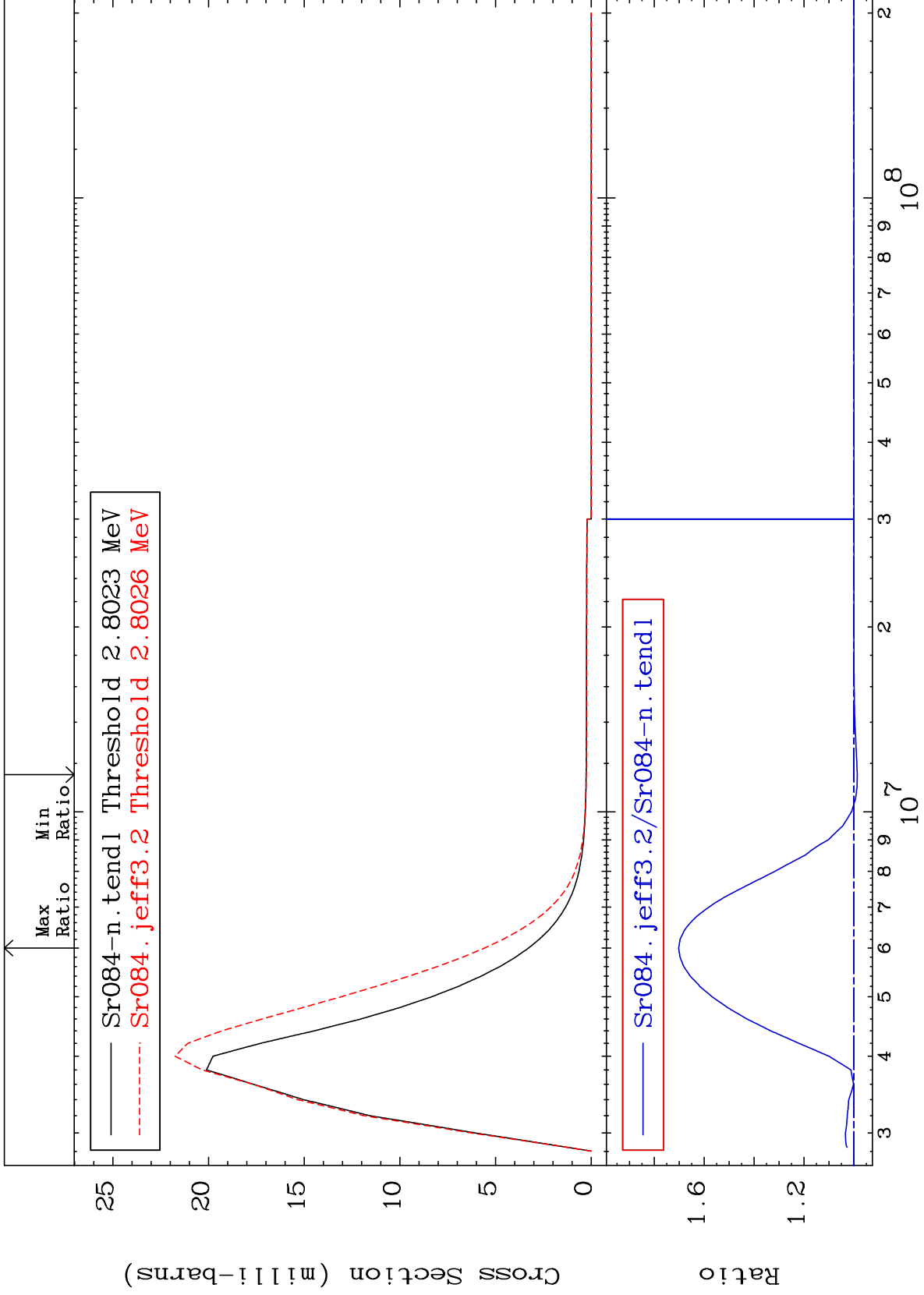
38-Sr-84
-86.68 To 72.79 %



MAT 3825

2.769 MeV (n,n') Level
Cross Section

38-Sr-84
-1.359 To 70.26 %



30

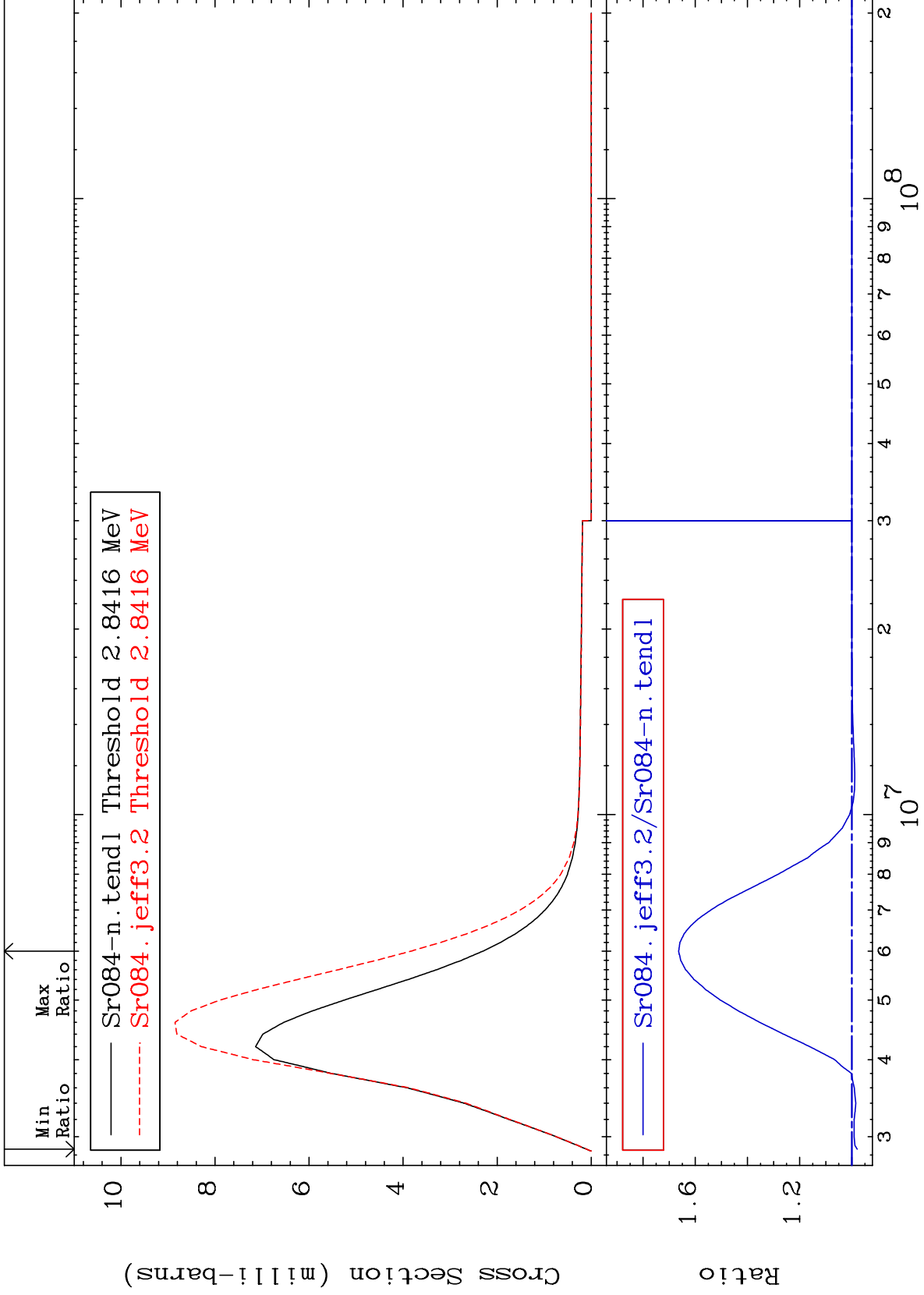
Incident Energy (eV)

38-Sr-84

MAT 3825

2.808 MeV (n,n') Level
Cross Section

38-Sr-84
-2.068 To 66.38 %



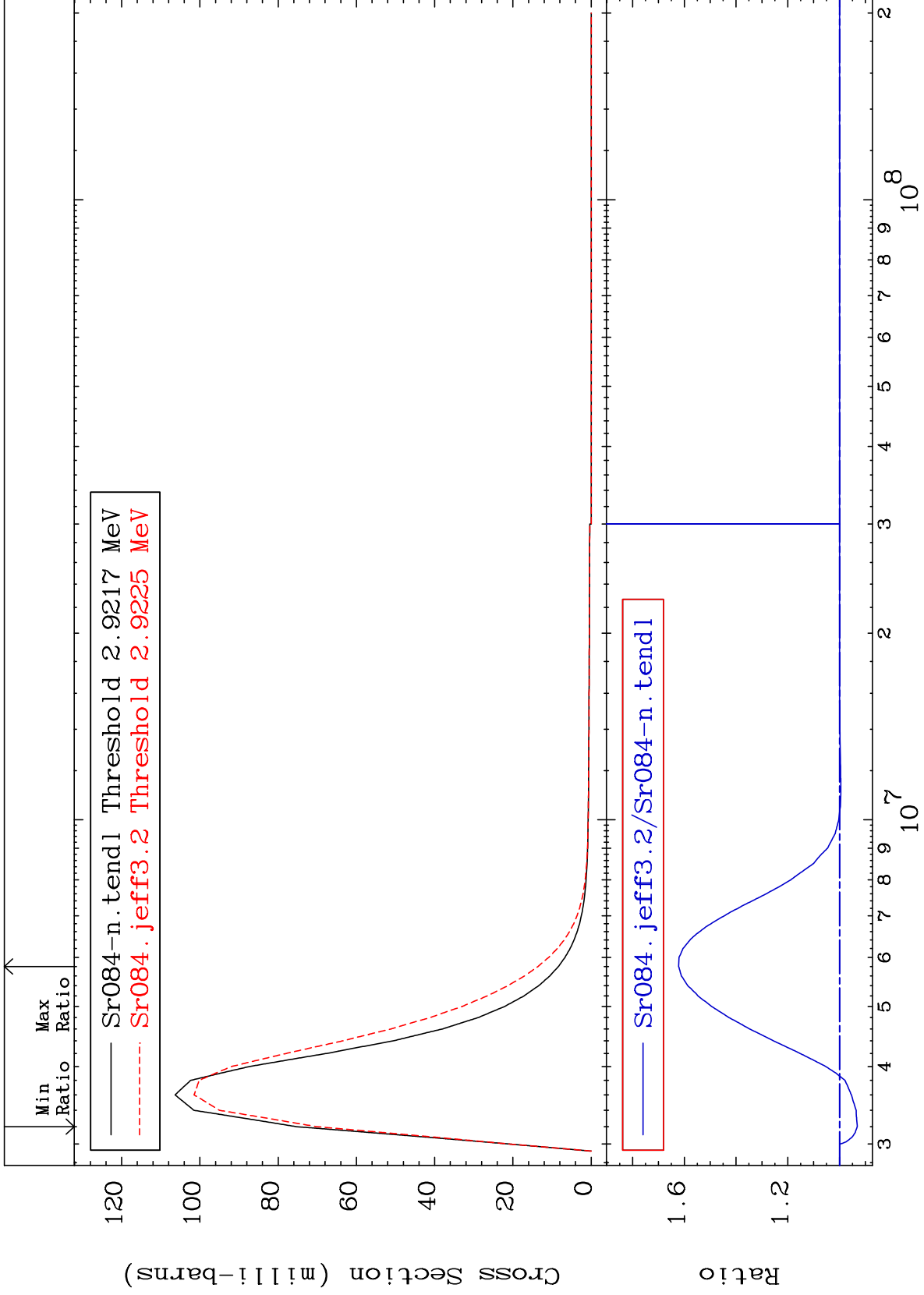
31

38-Sr-84

MAT 3825

2.887 MeV (n,n') Level
Cross Section

38-Sr-84
-6.867 To 62.20 %



32

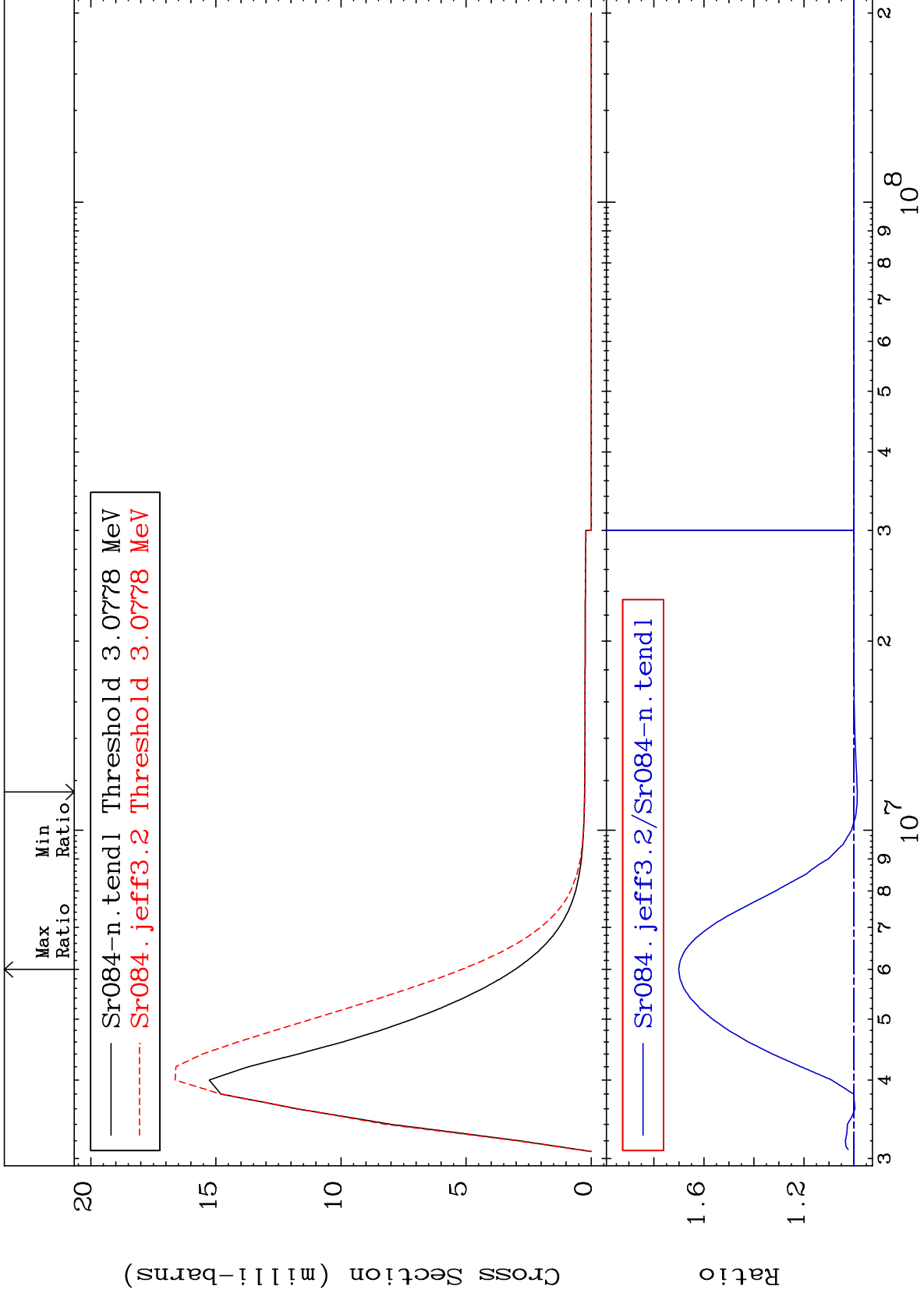
Incident Energy (eV)

38-Sr-84

MAT 3825

3.041 MeV (n,n') Level
Cross Section

38-Sr-84
-1.339 To 70.12 %



33

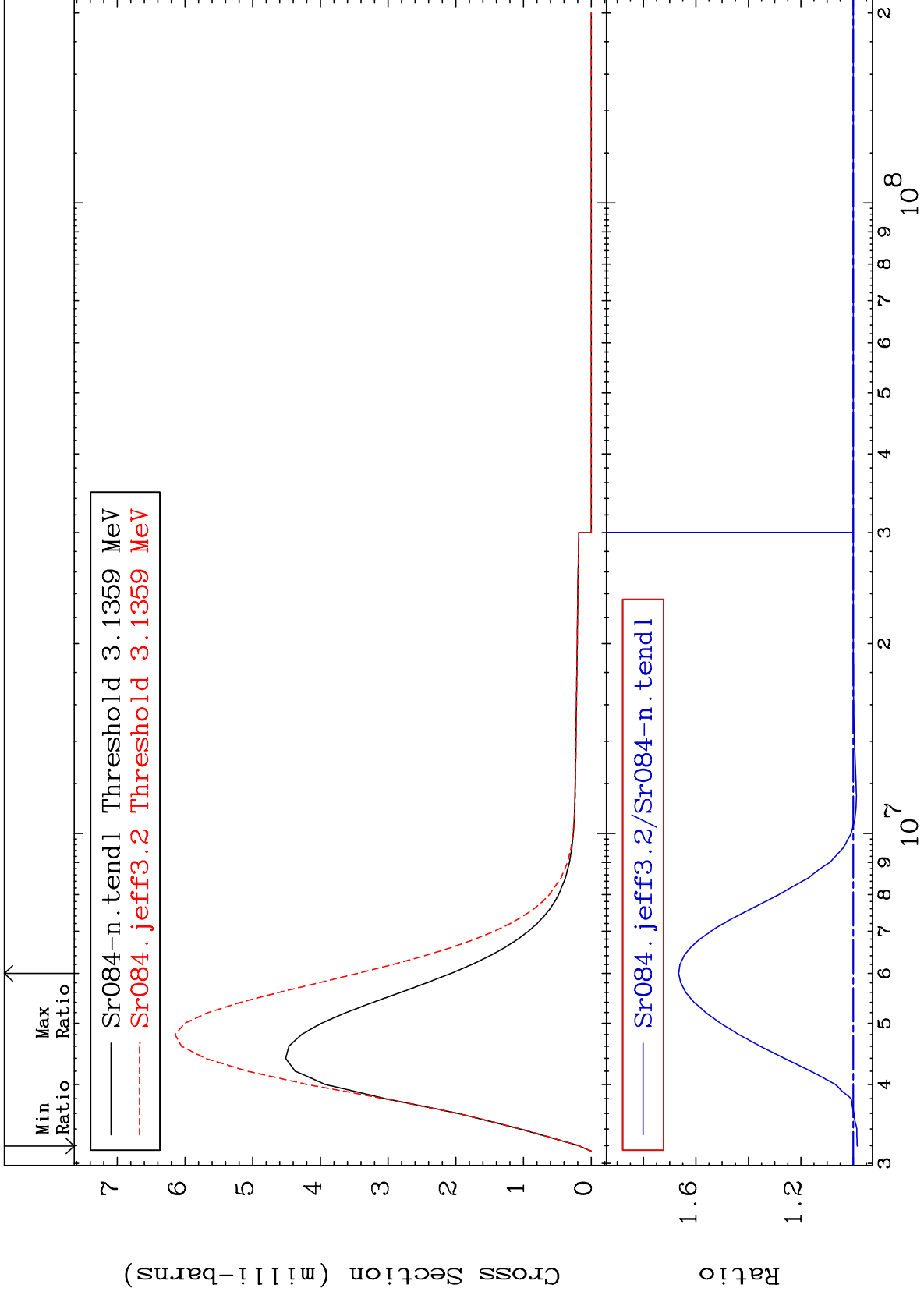
38-Sr-84

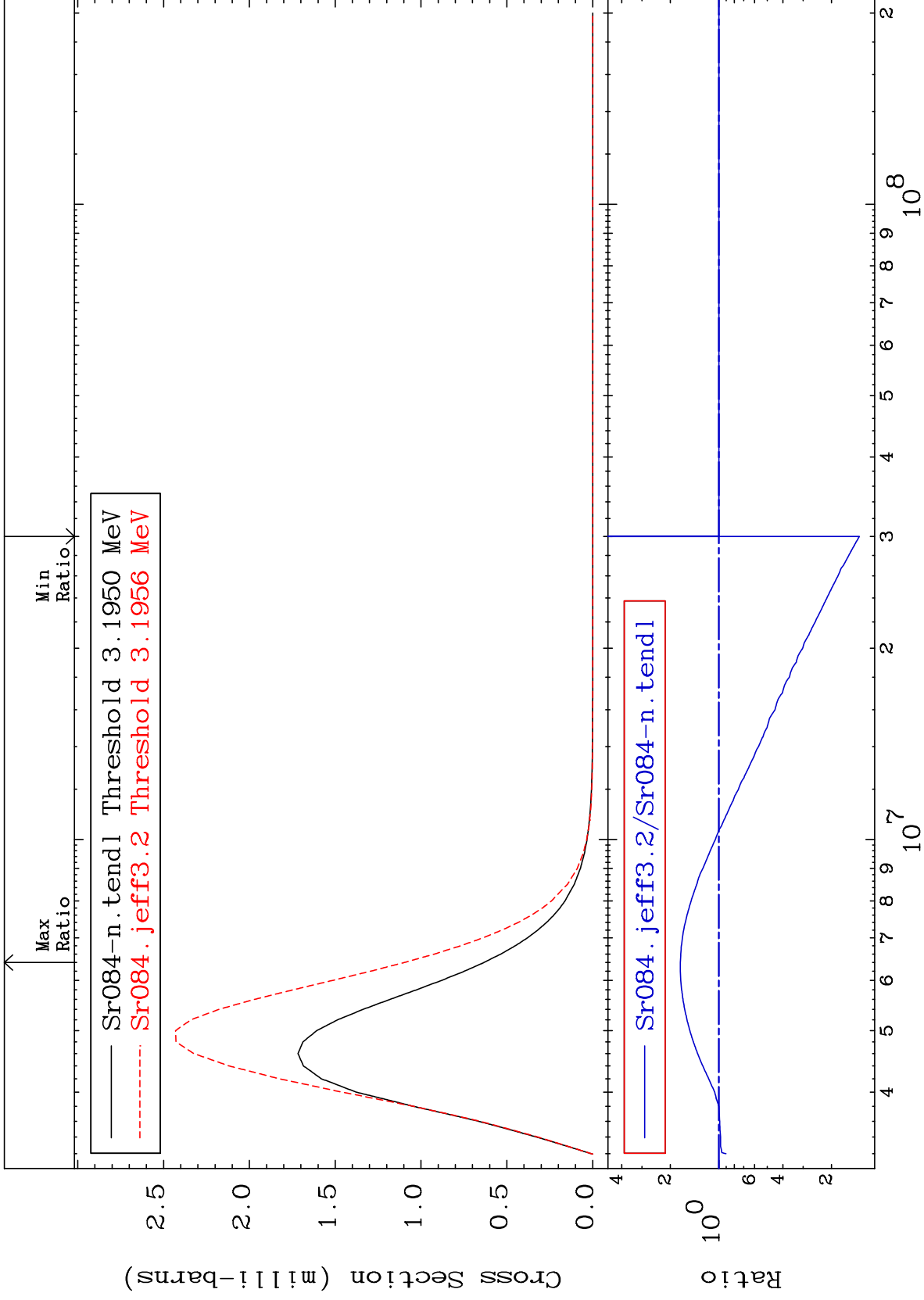
38-Sr-84

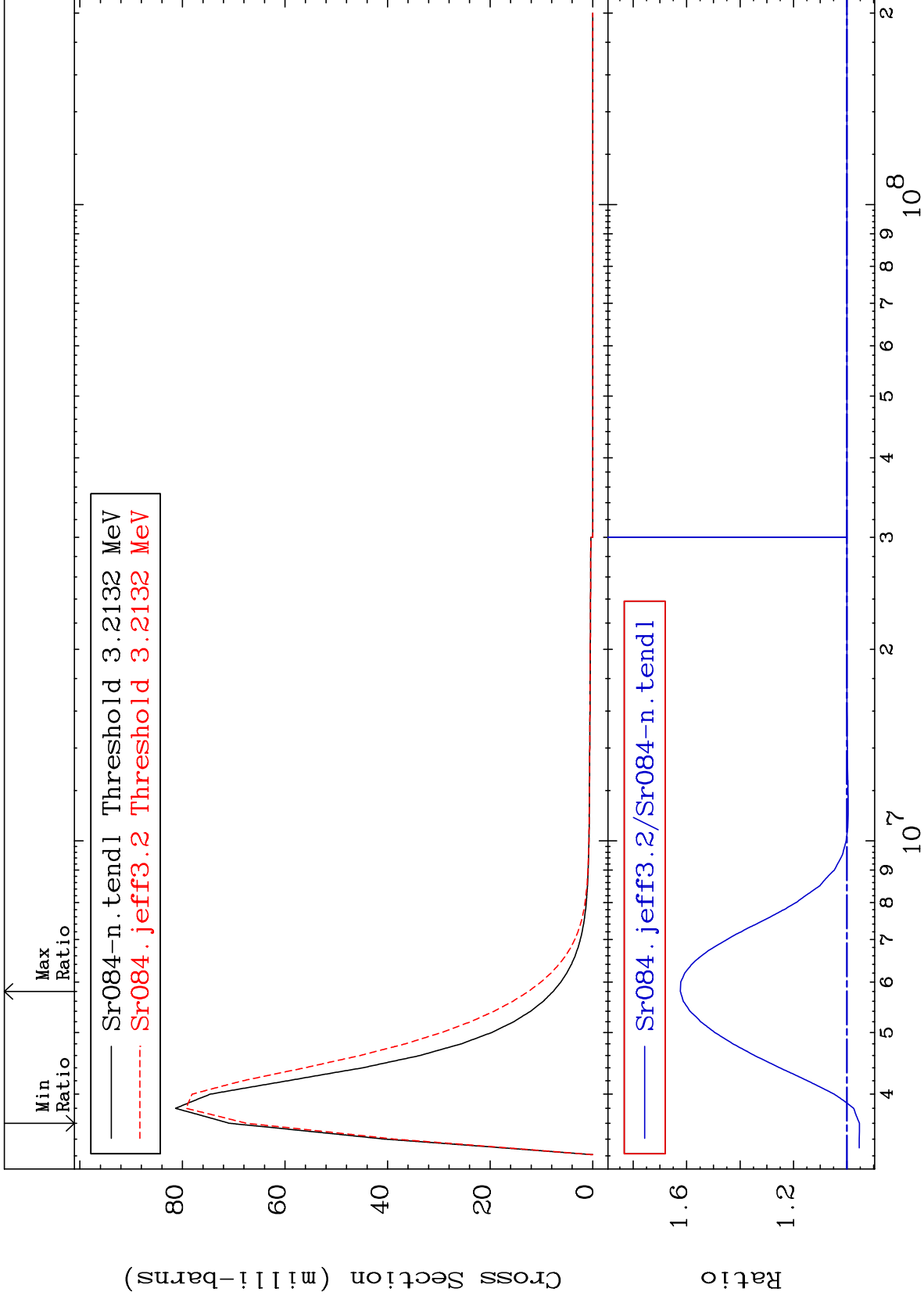
MAT 3825

3.099 MeV (n,n') Level
Cross Section

38-Sr-84
-1.492 To 66.58 %



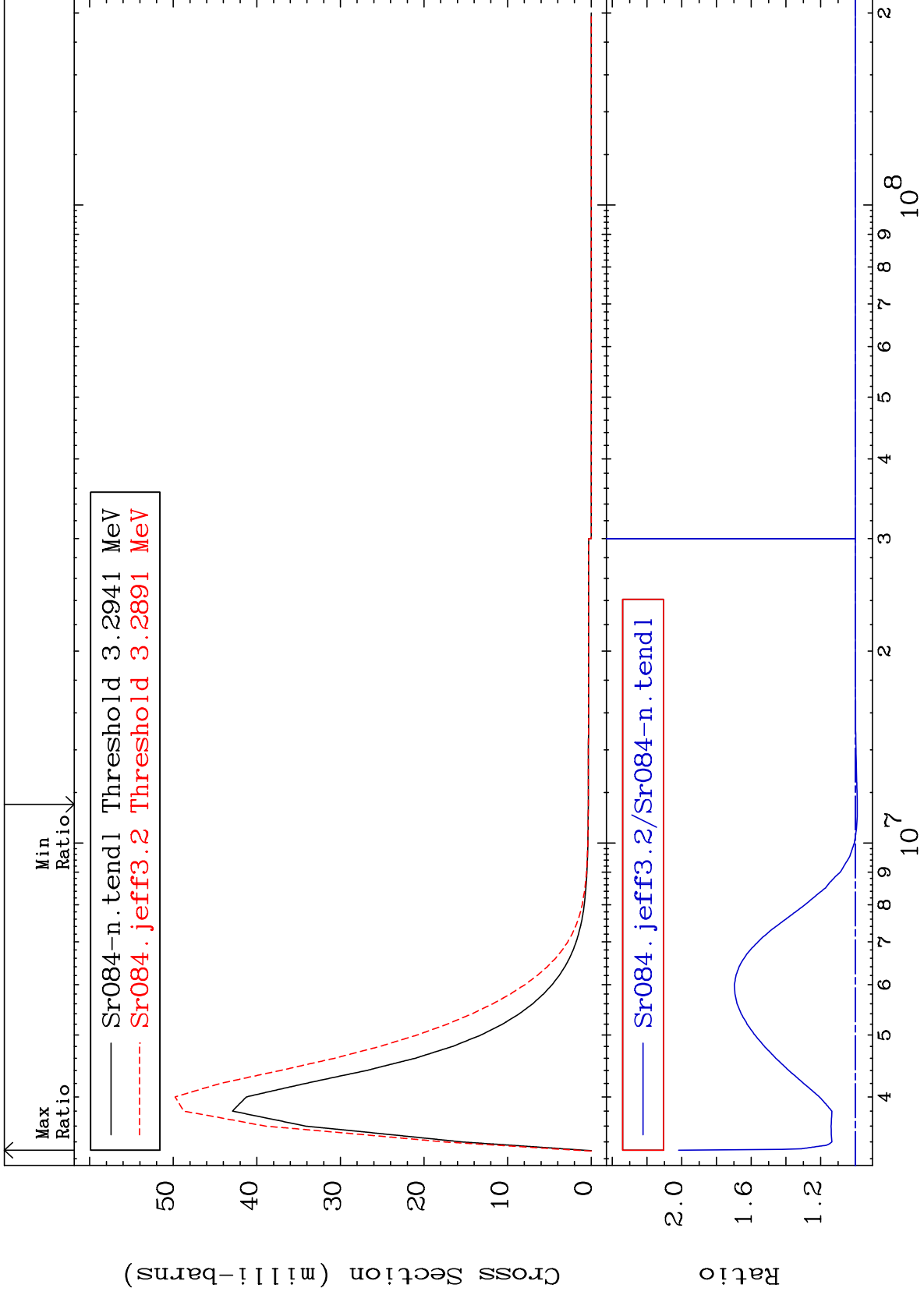




MAT 3825

3.255 MeV (n,n') Level
Cross Section

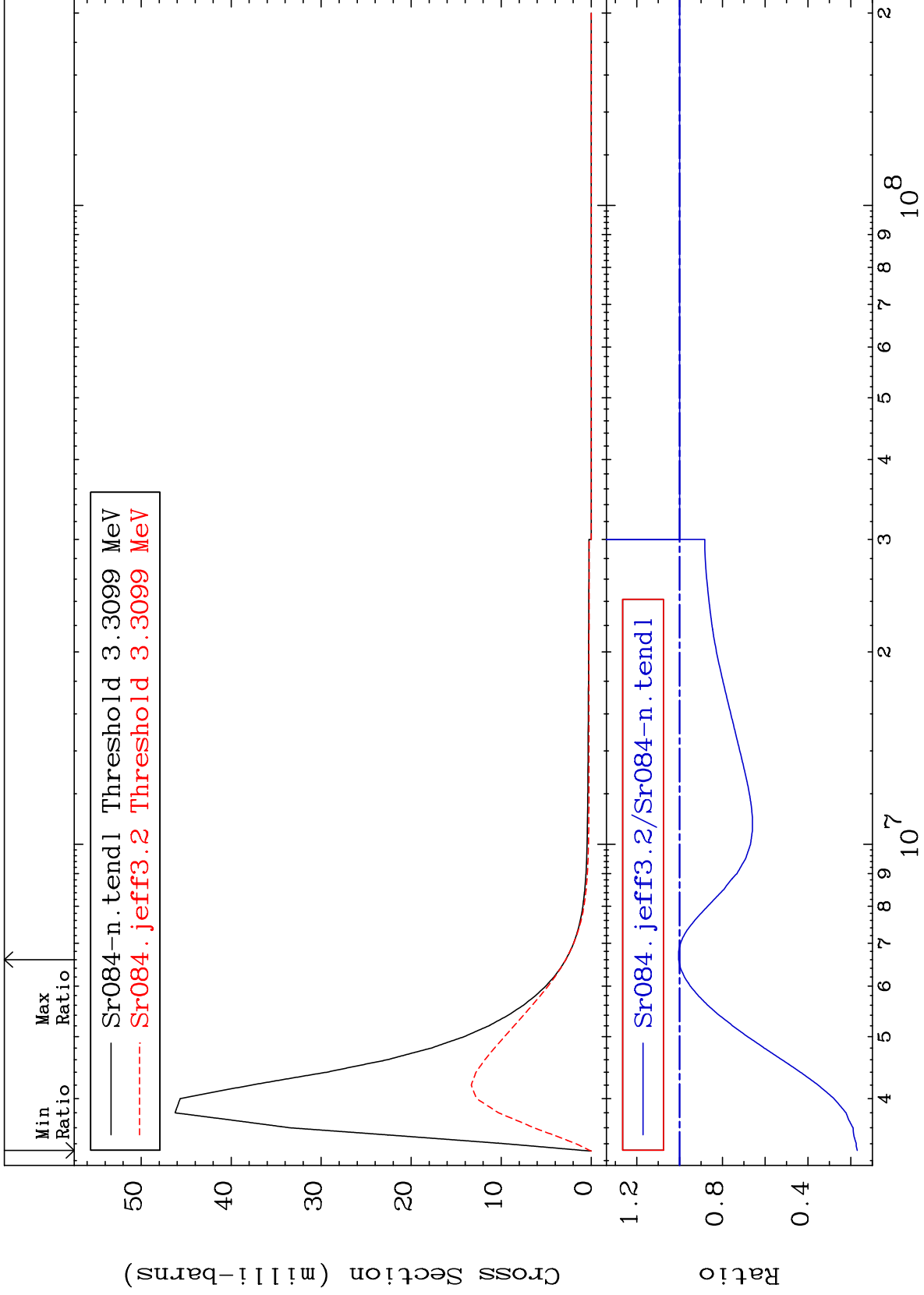
38-Sr-84
-1.060 To 101.8 %



MAT 3825

3.271 MeV (n,n') Level
Cross Section

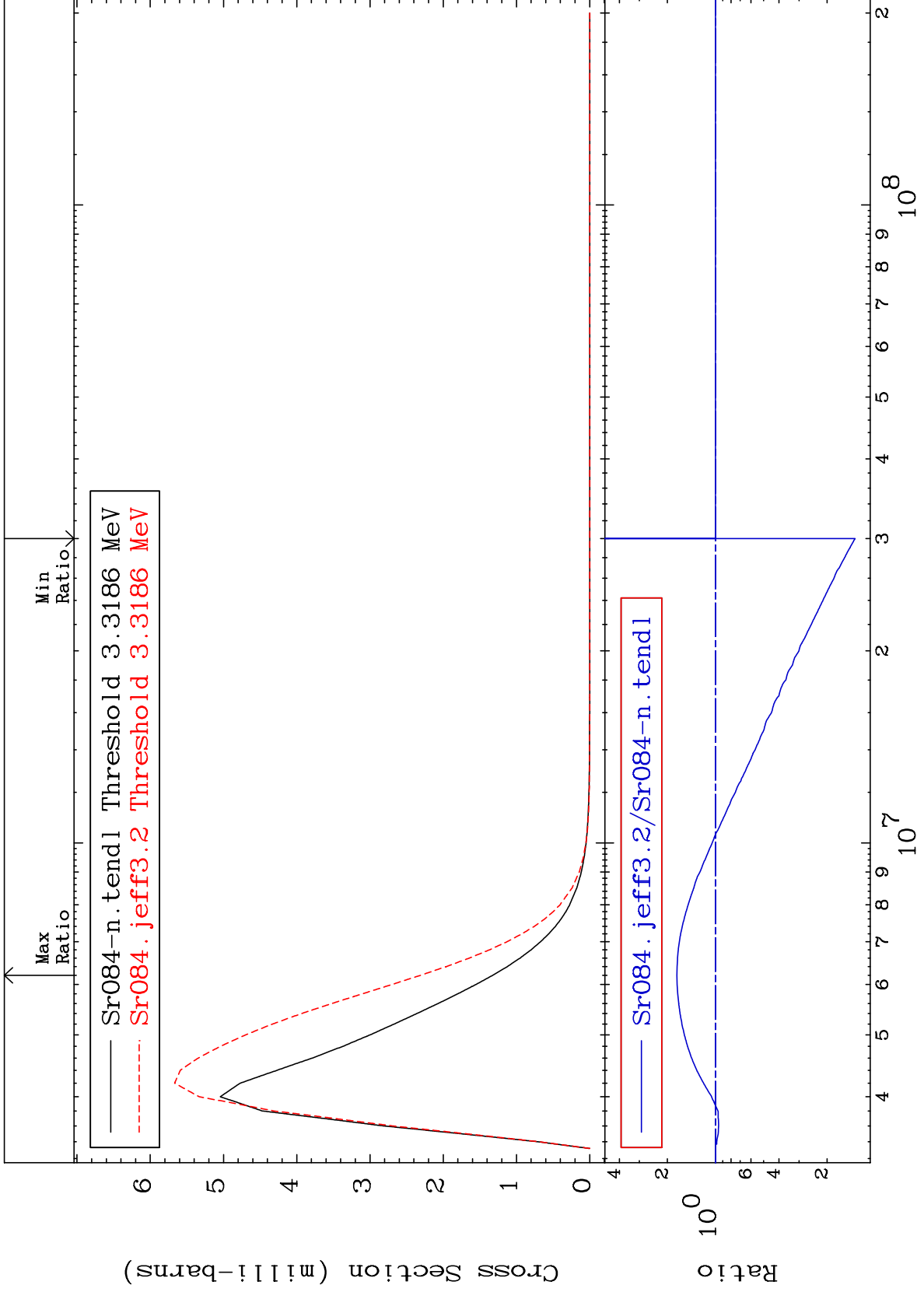
38-Sr-84
-82.97 To 0.419 %



MAT 3825

3.279 MeV (n,n') Level
Cross Section

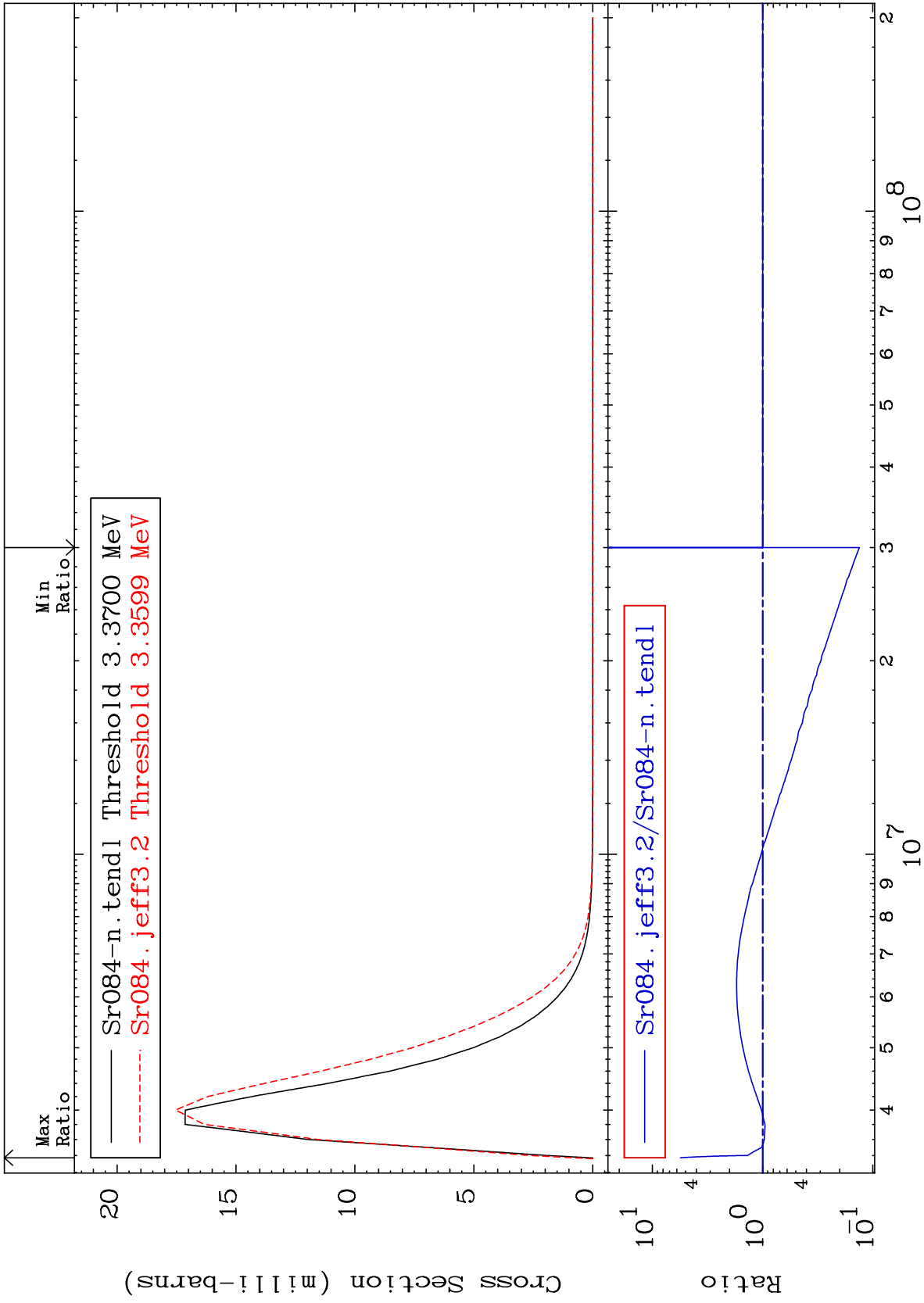
38-Sr-84
-86.64 To 74.35 %



MAT 3825

3.330 MeV (n,n') Level
Cross Section

38-Sr-84
-86.78 To 457.8 %



40

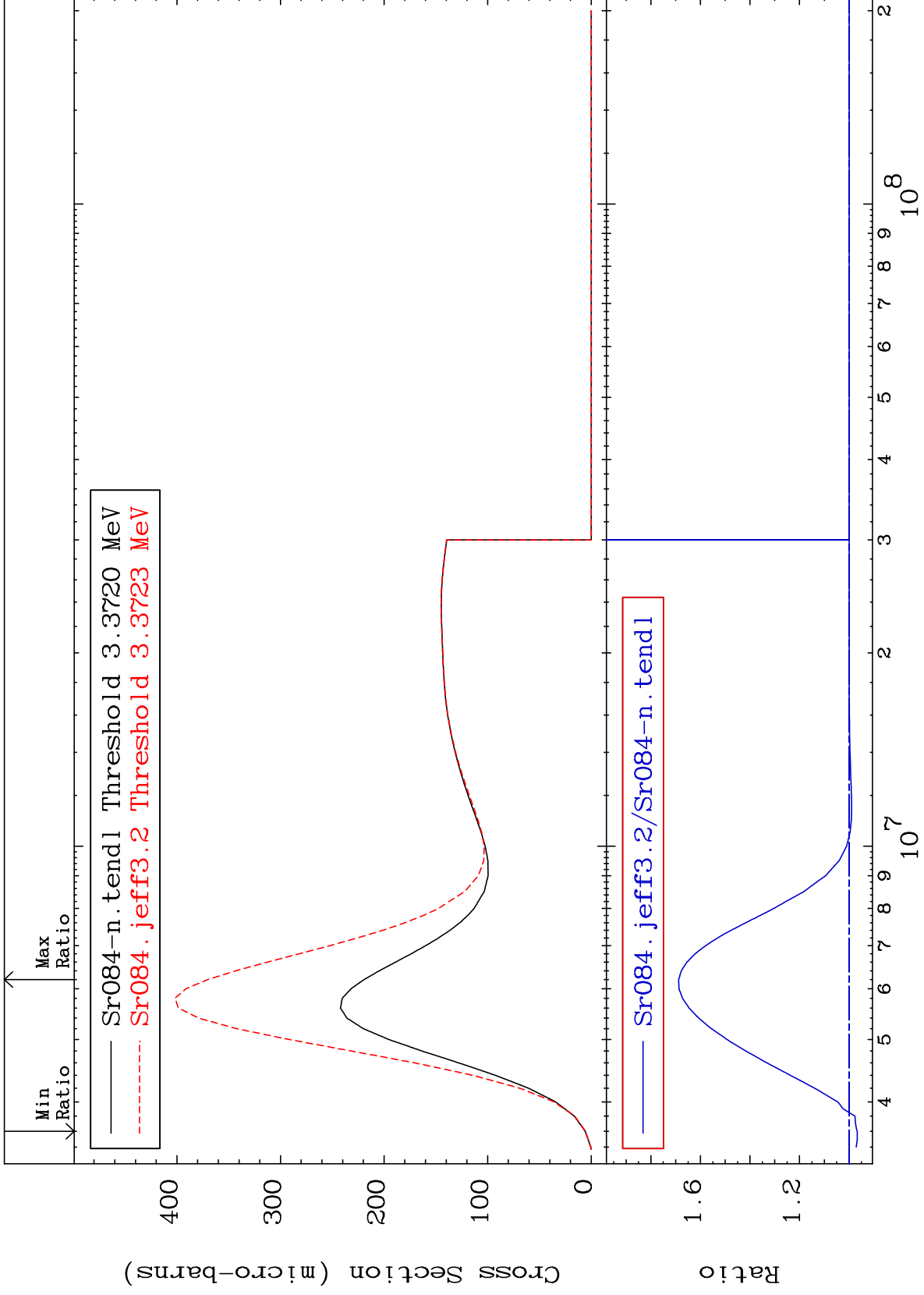
Incident Energy (eV)

38-Sr-84

MAT 3825

3.332 MeV (n,n') Level
Cross Section

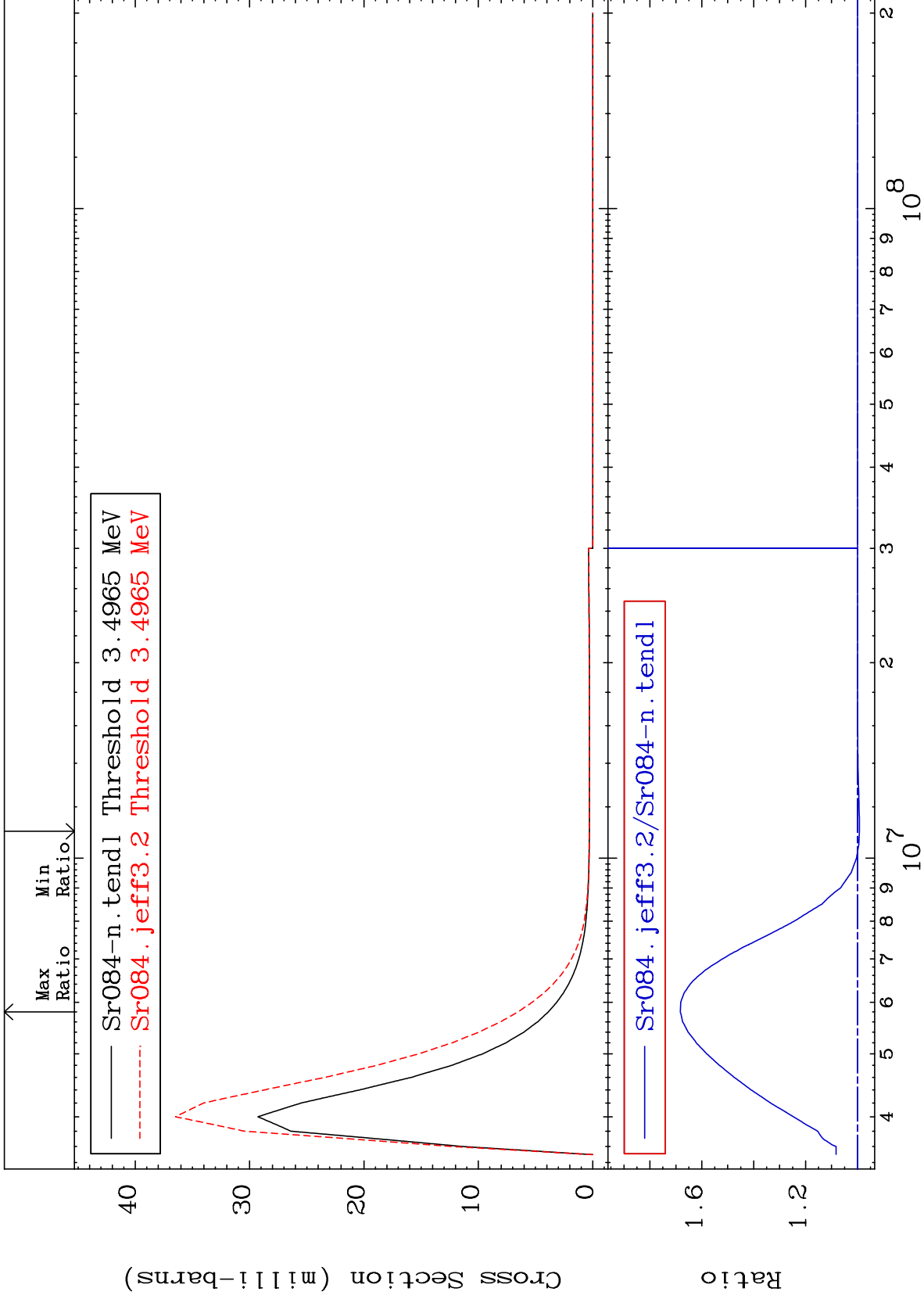
38-Sr-84
-3.307 To 68.81 %



MAT 3825

3.455 MeV (n,n') Level
Cross Section

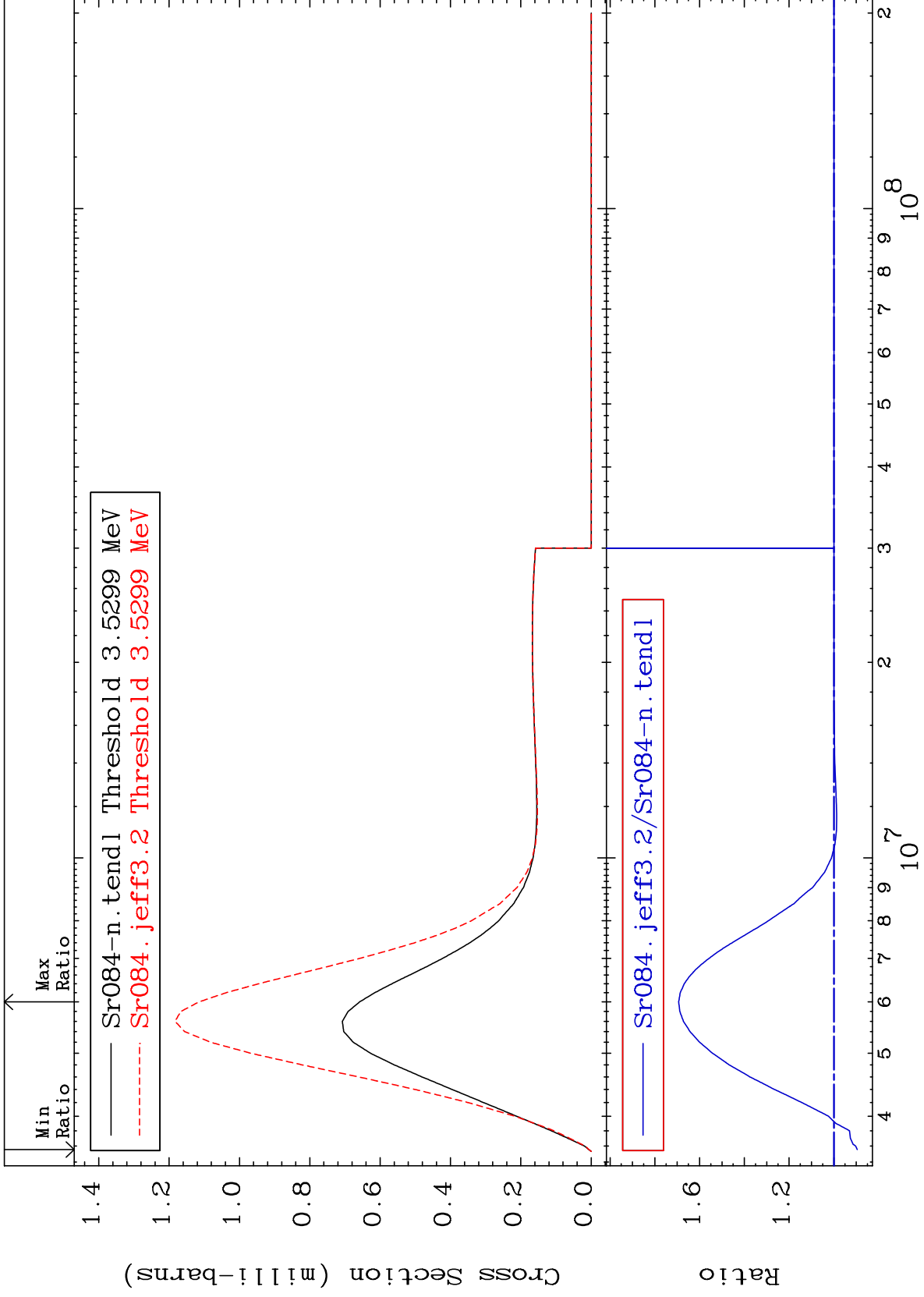
38-Sr-84
-0.744 To 68.26 %



MAT 3825

3.488 MeV (n,n') Level
Cross Section

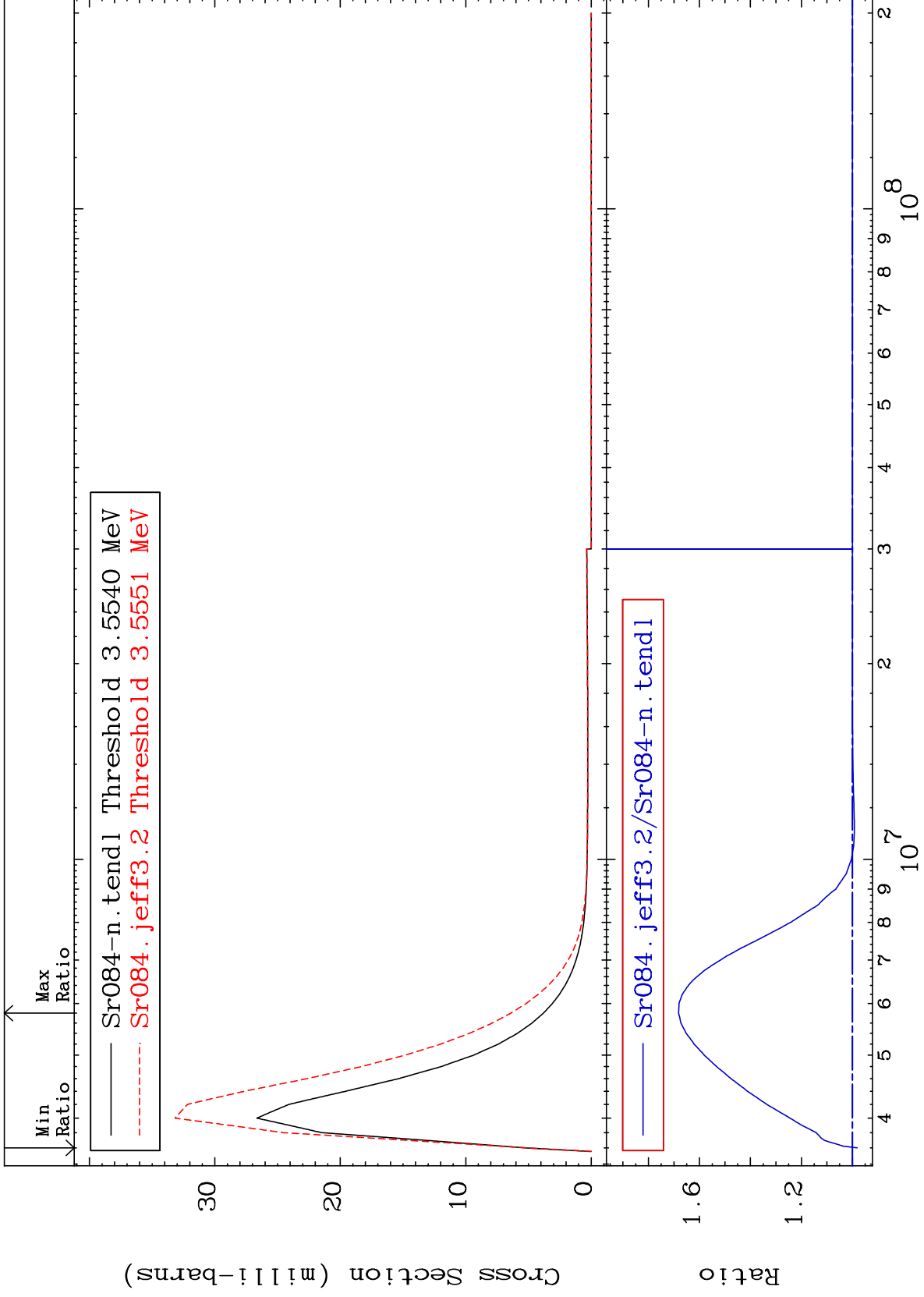
38-Sr-84
-10.44 To 69.37 %



MAT 3825

3.512 MeV (n,n') Level
Cross Section

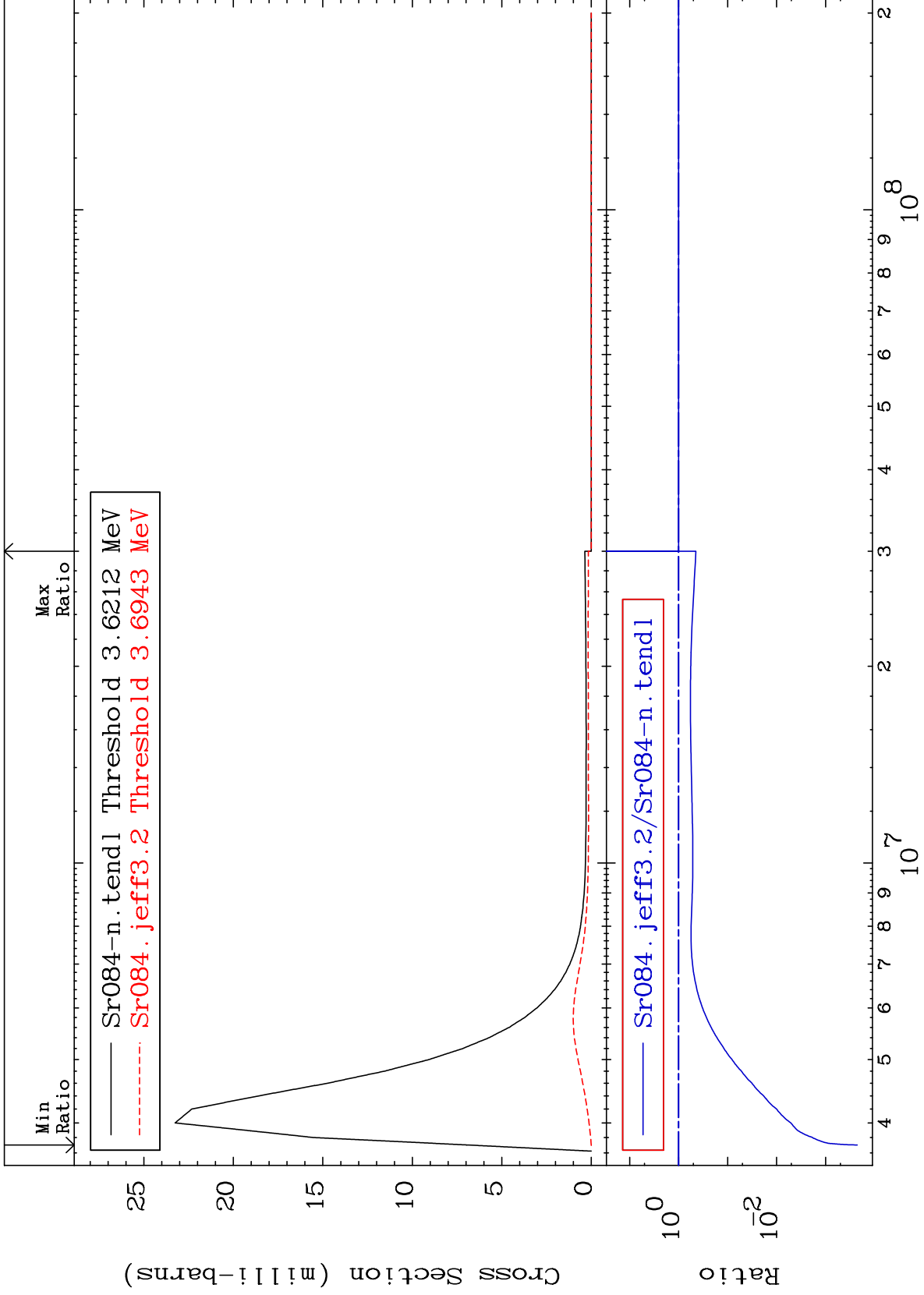
38-Sr-84
-1.897 To 68.16 %



MAT 3825

3.578 MeV (n,n') Level
Cross Section

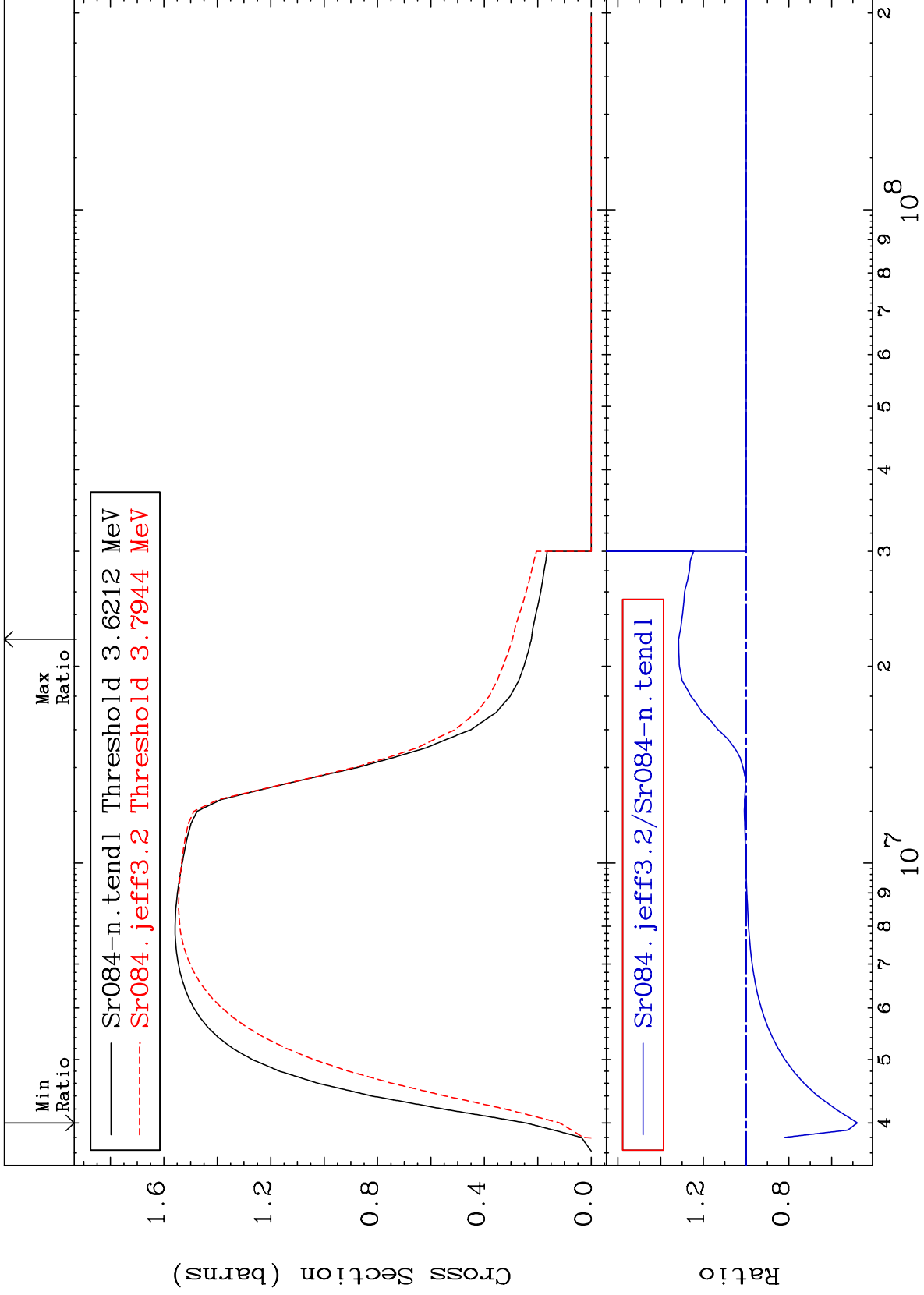
38-Sr-84
-99.98 To 0.000 %



MAT 3825

(n, n') Continuum
Cross Section

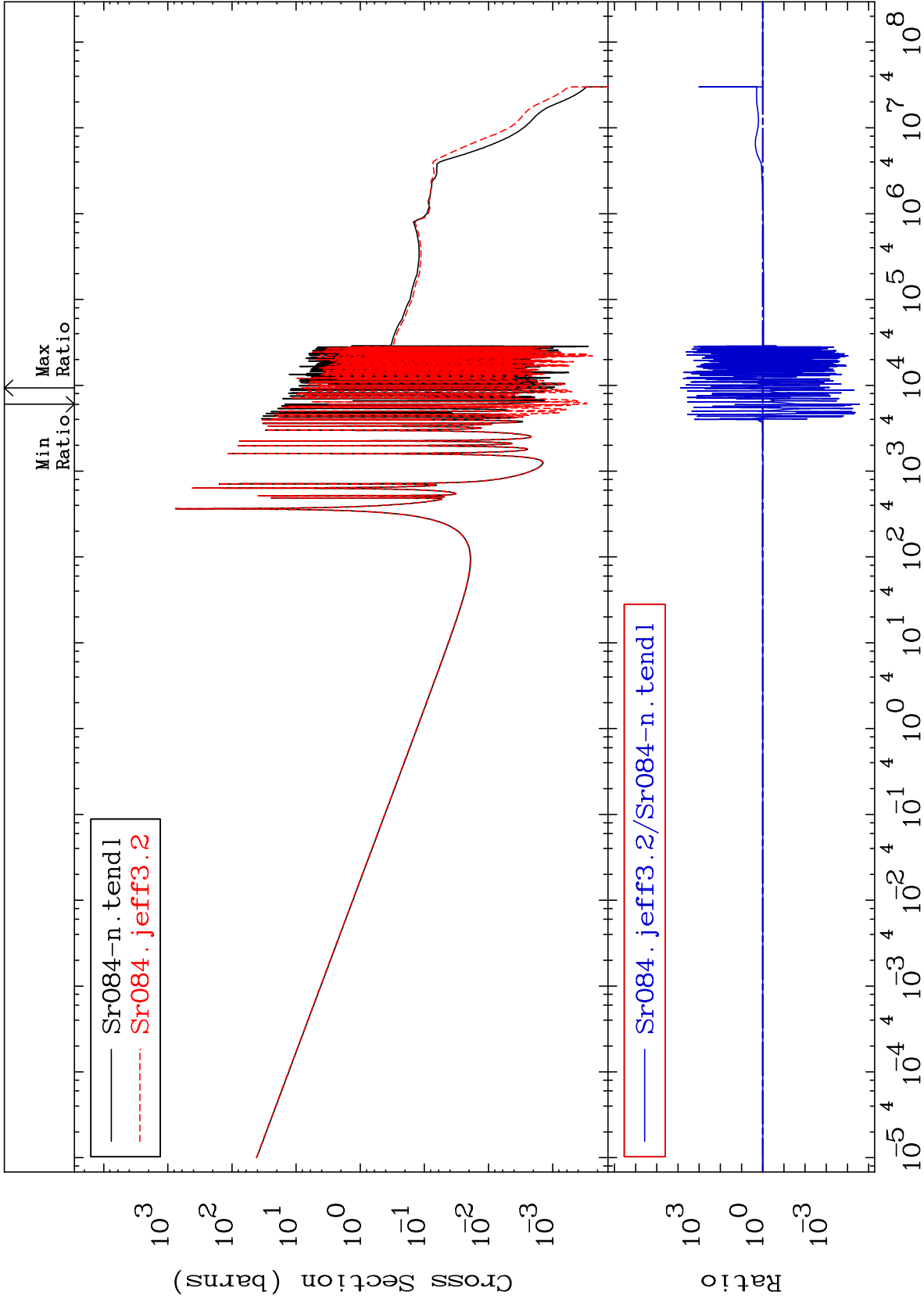
38-Sr-84
-52.01 To 31.60 %



46

Incident Energy (eV)

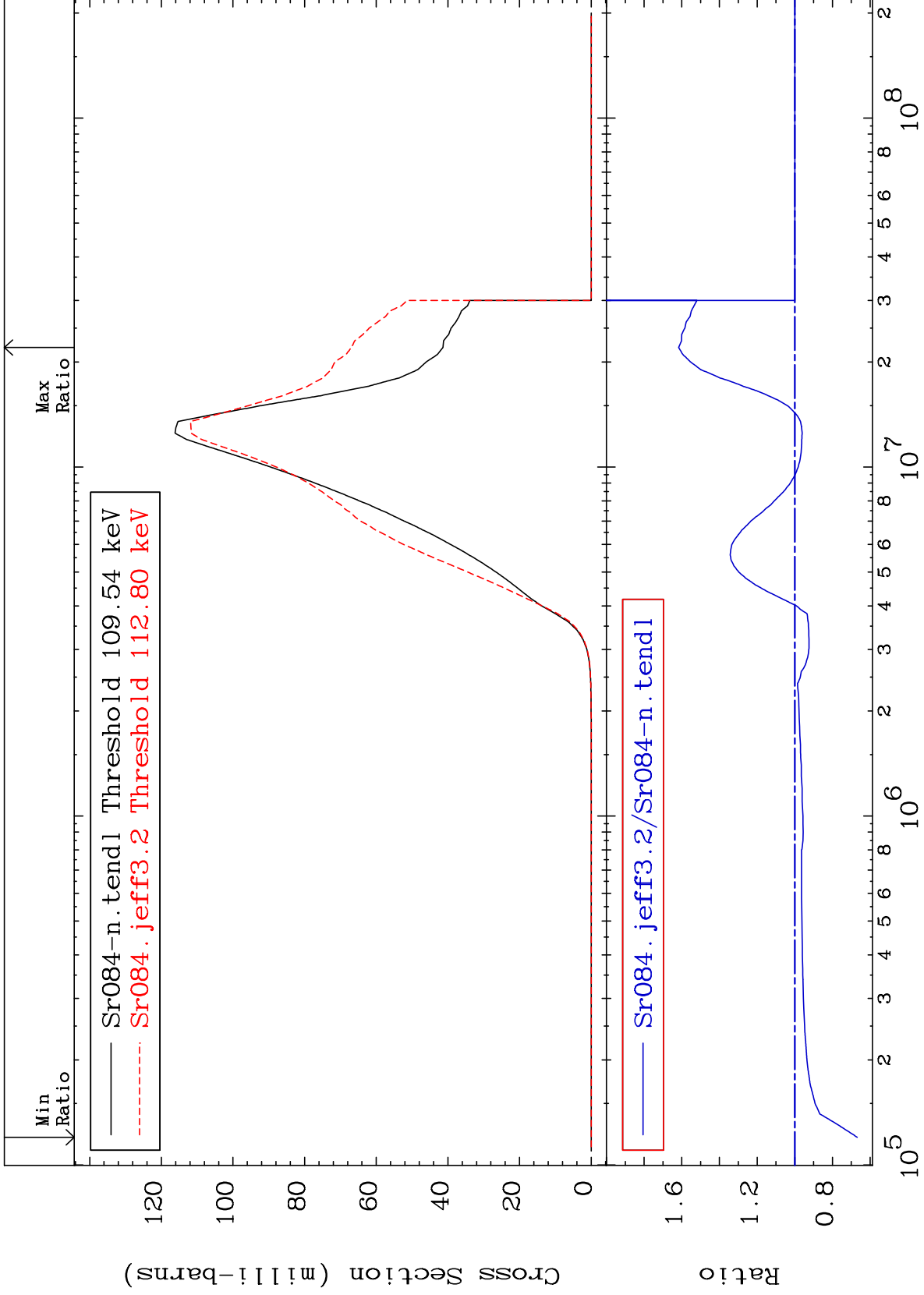
38-Sr-84



MAT 3825

(n,p)
Cross Section

38-Sr-84
-33.17 To 61.67 %



48

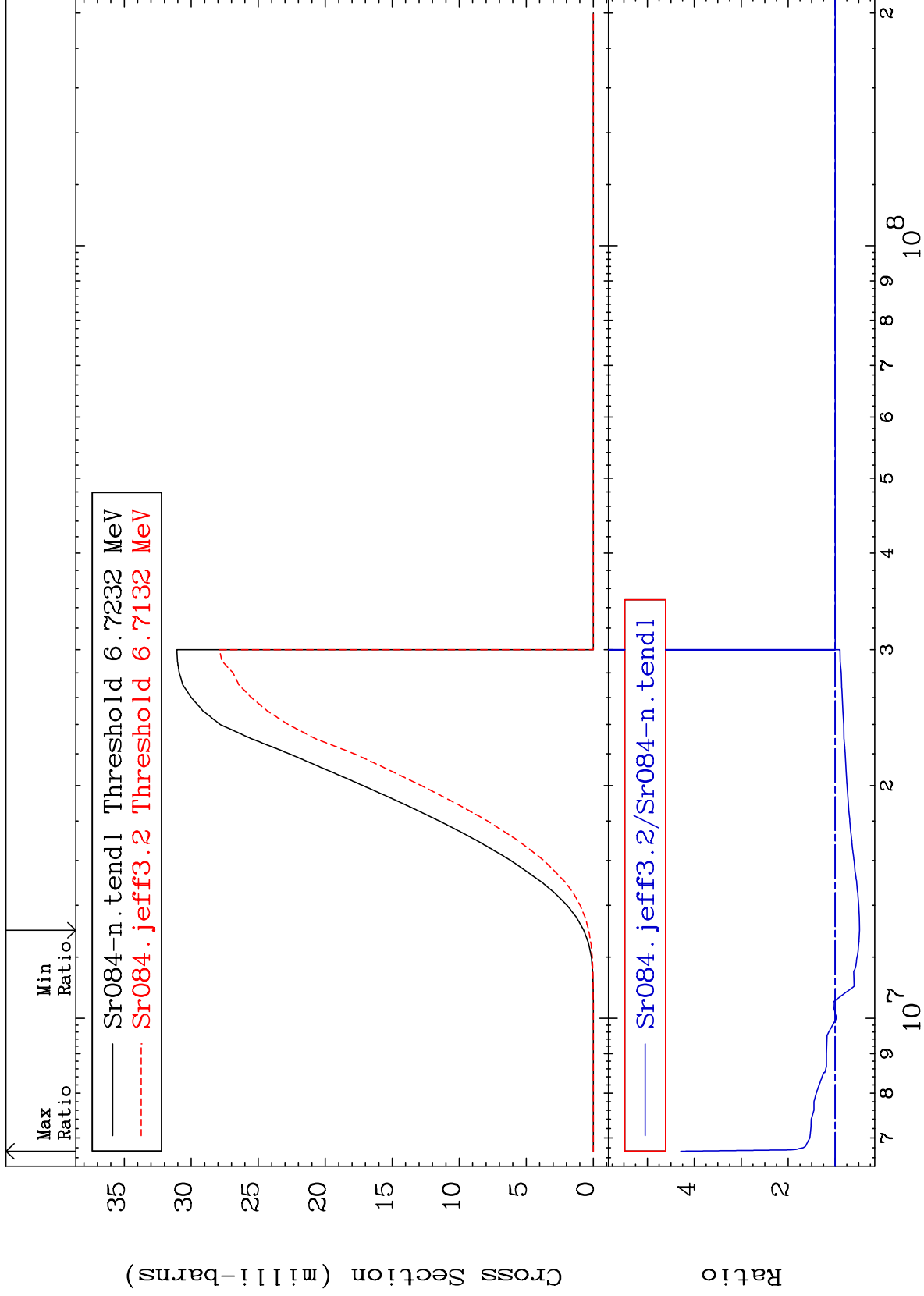
Incident Energy (eV)

38-Sr-84

MAT 3825

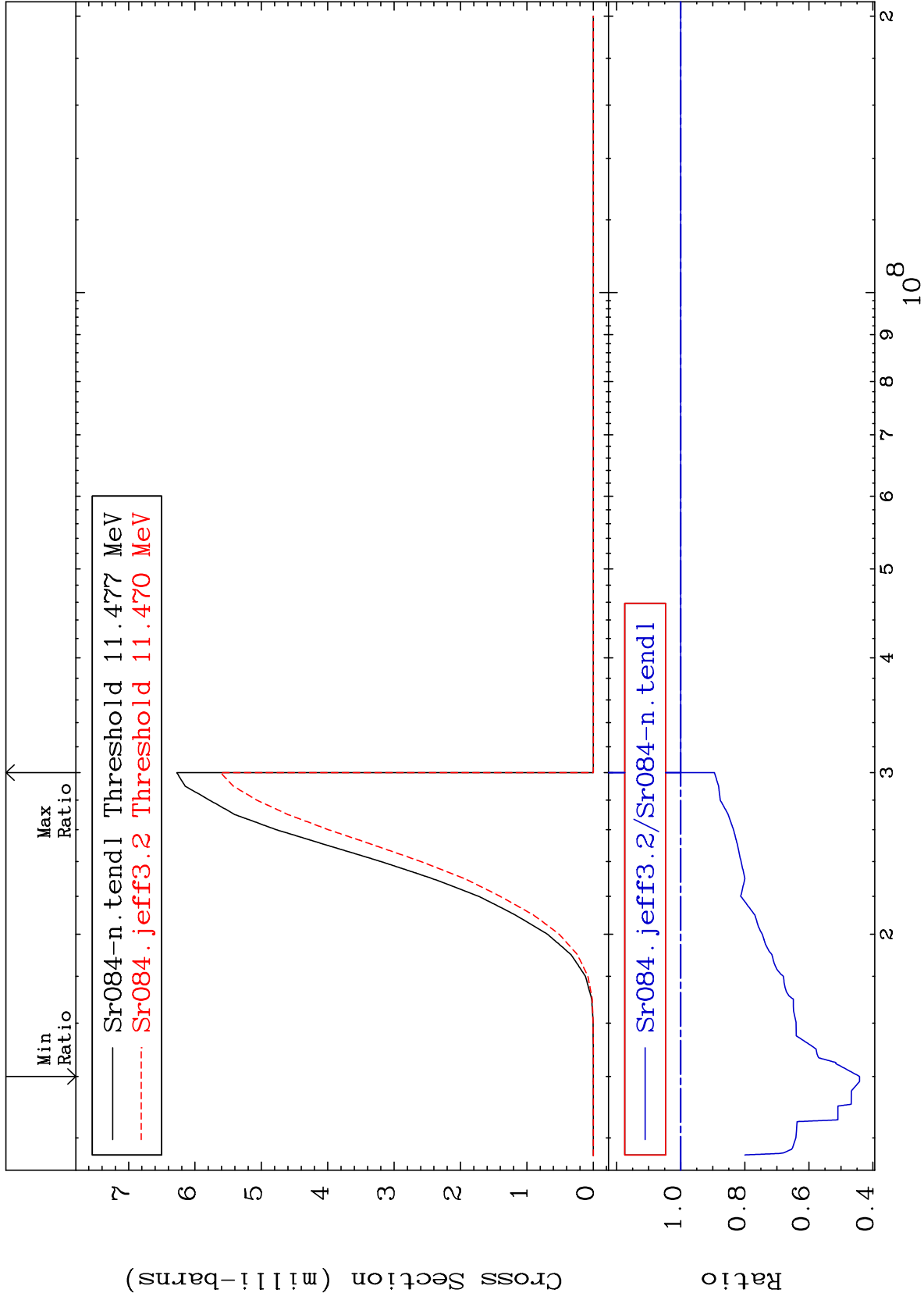
(n, d)
Cross Section

38-Sr-84
-51.87 To 328.9 %



49

38-Sr-84



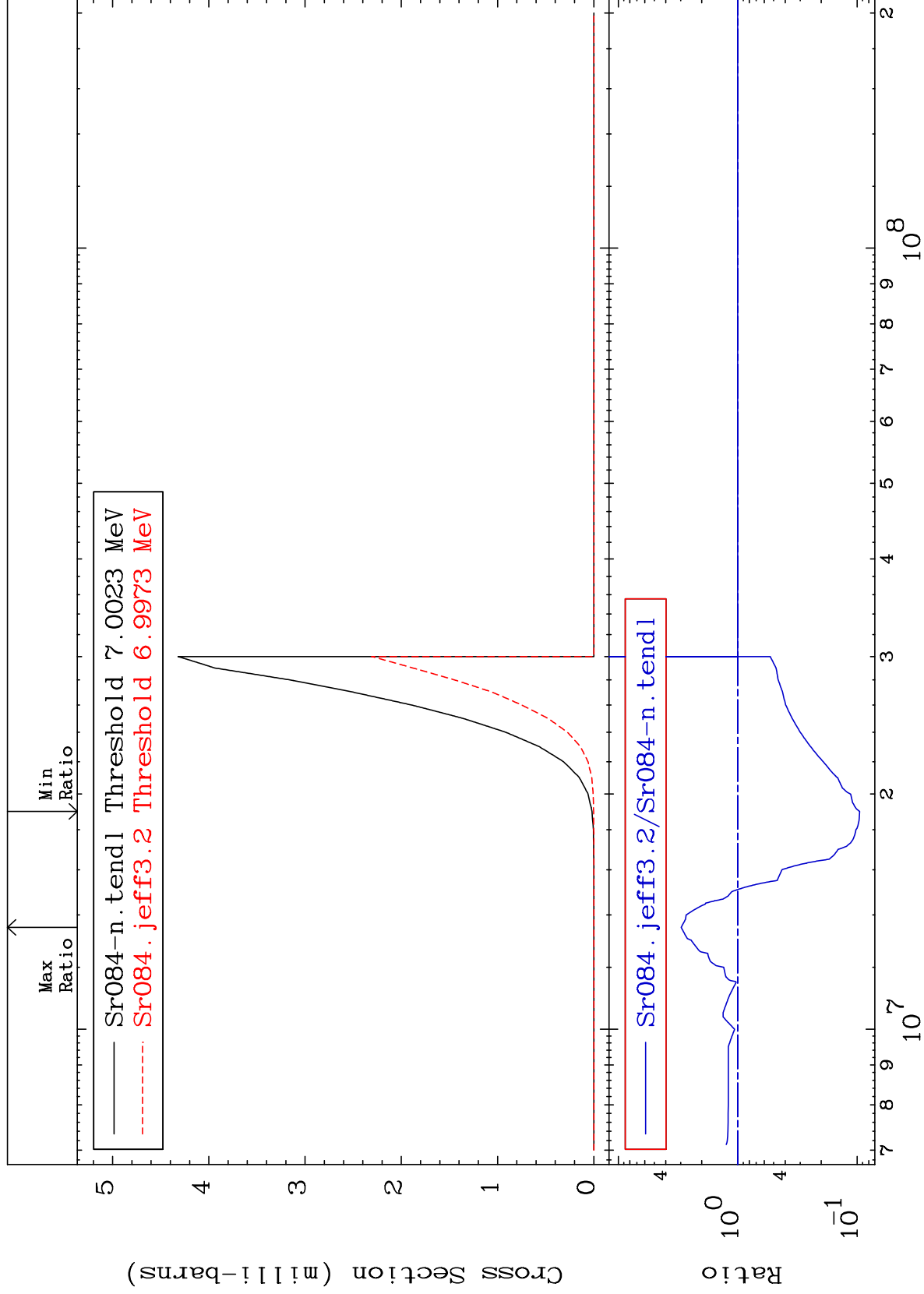
MAT 3825

(n, He-3)

³⁸Sr-84

Cross Section

-90.47 To 197.5 %



51

Incident Energy (eV)

³⁸Sr-84

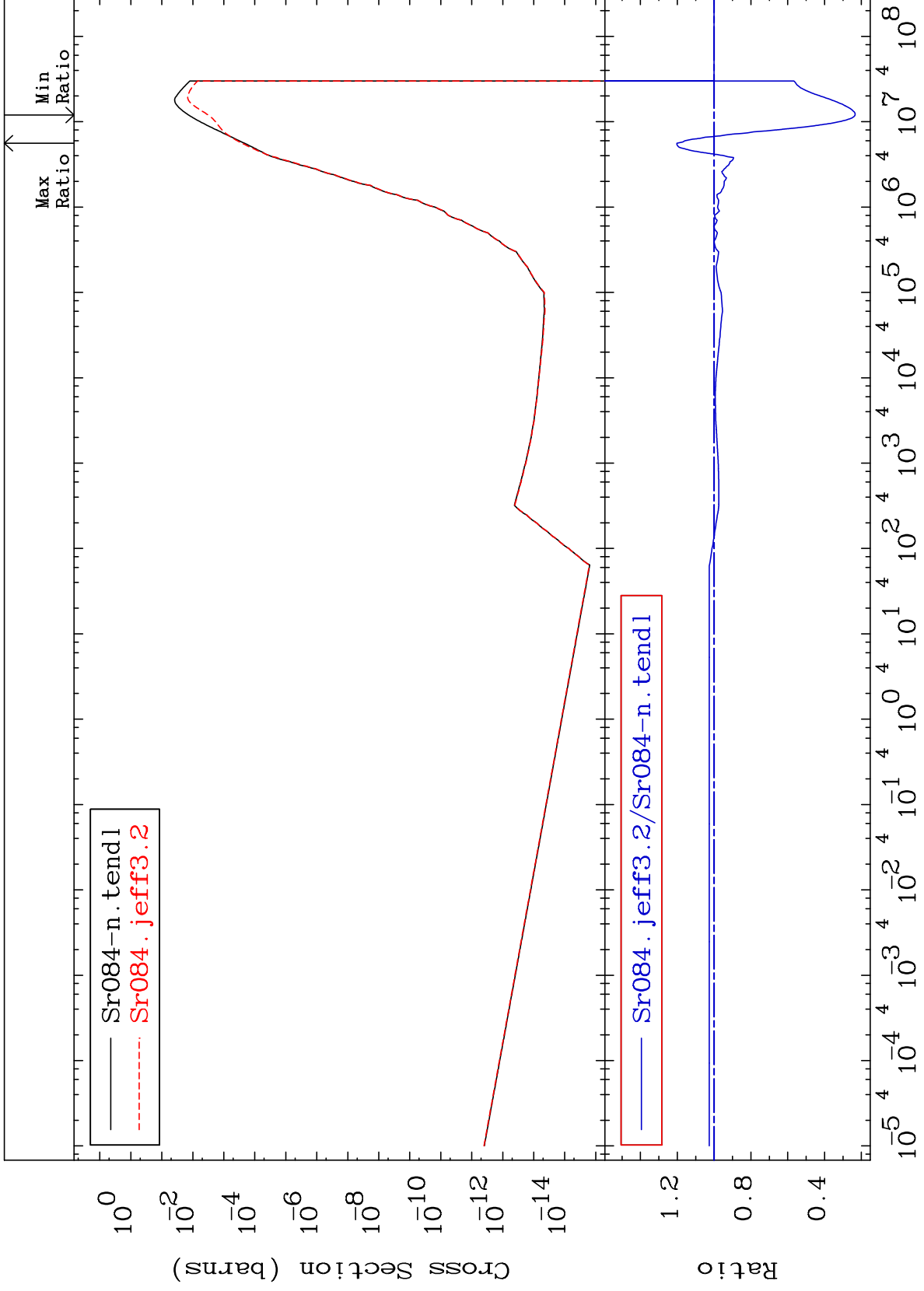
MAT 3825

(n, α)

Cross Section

38-Sr-84

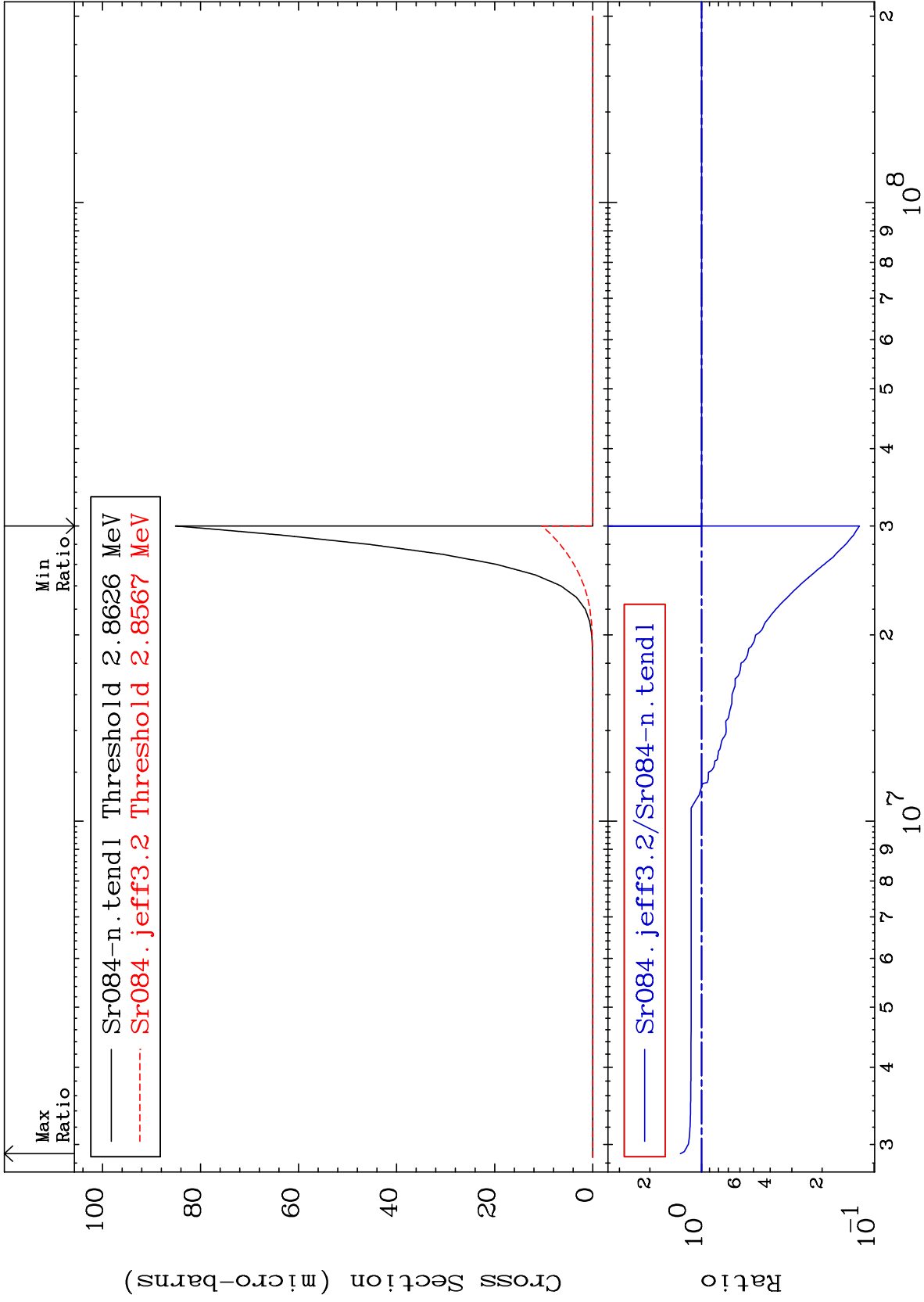
-76.57 To 20.20 %



52

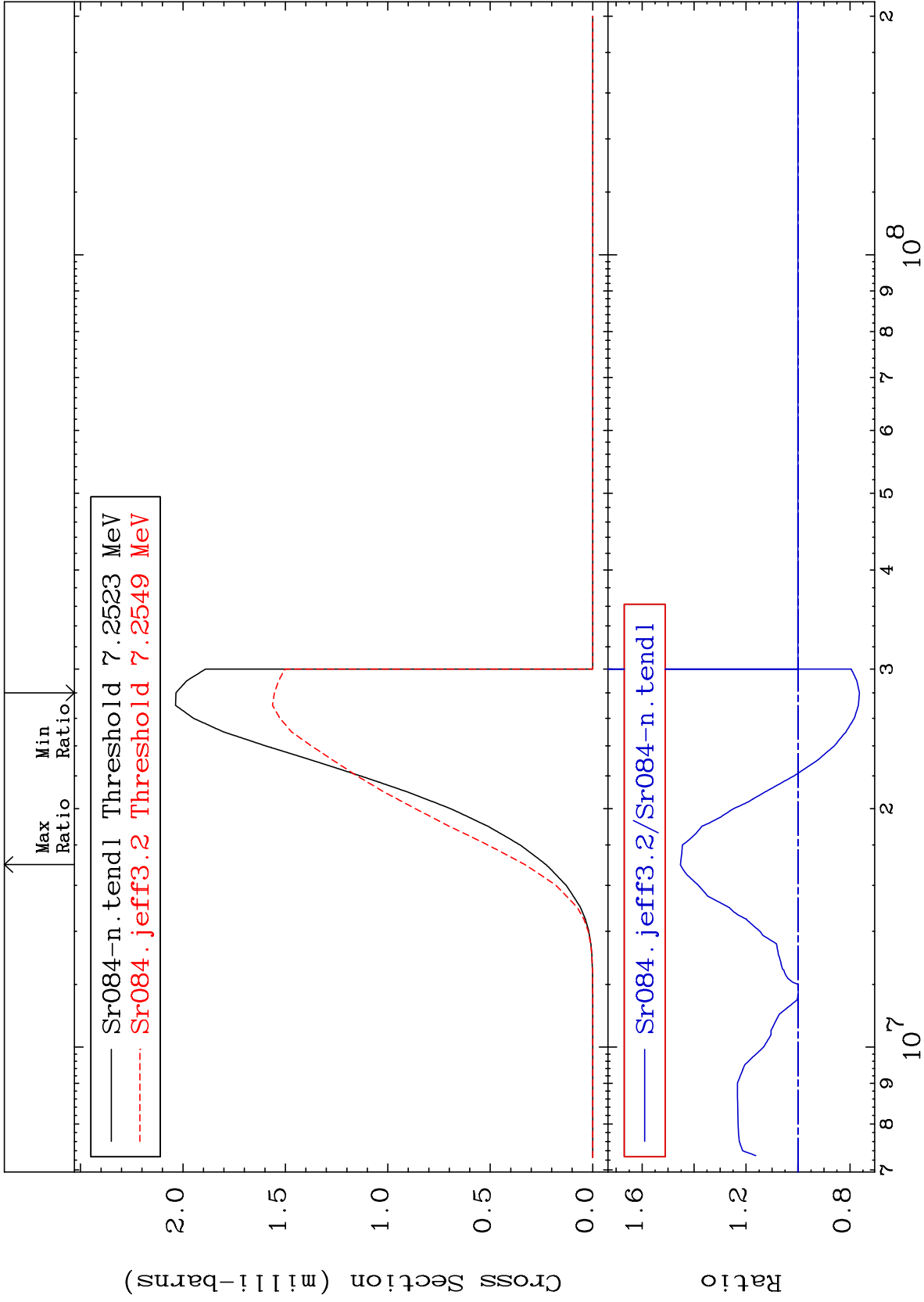
Incident Energy (eV)

38-Sr-84



Cross Section

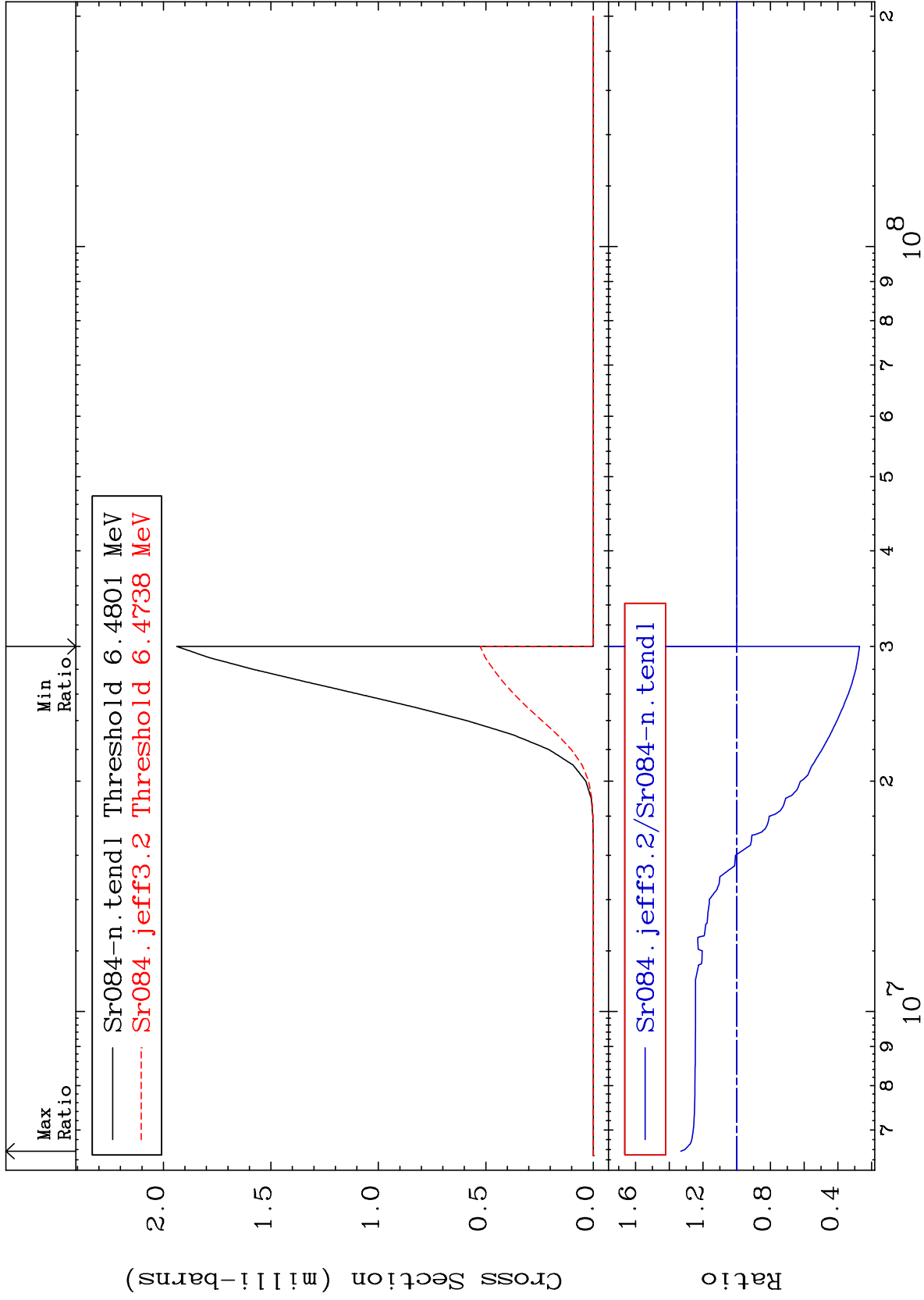
-23.64 To 45.28 %

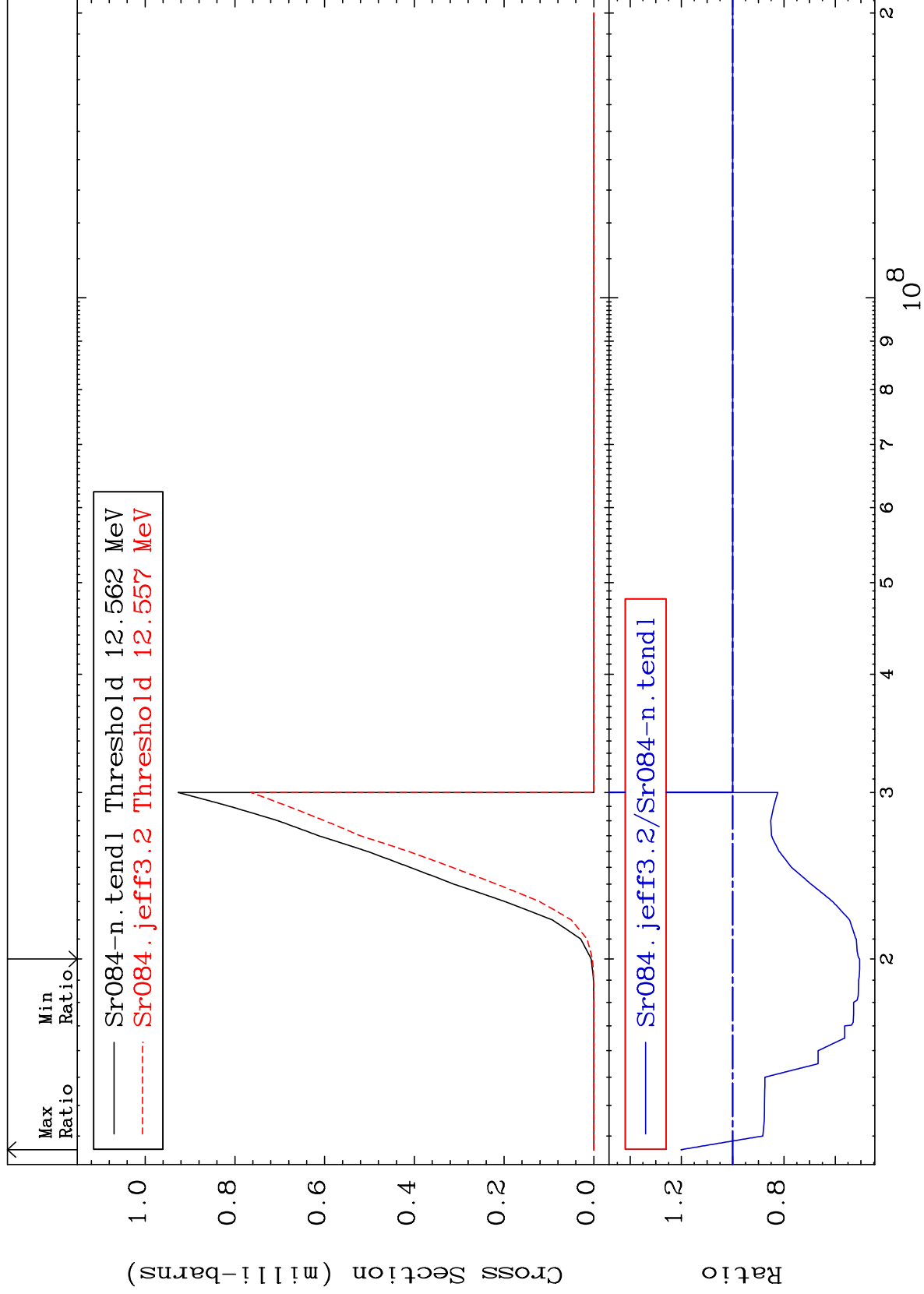


MAT 3825

(n, p) α
Cross Section

38-Sr-84
-72.84 To 33.15 %





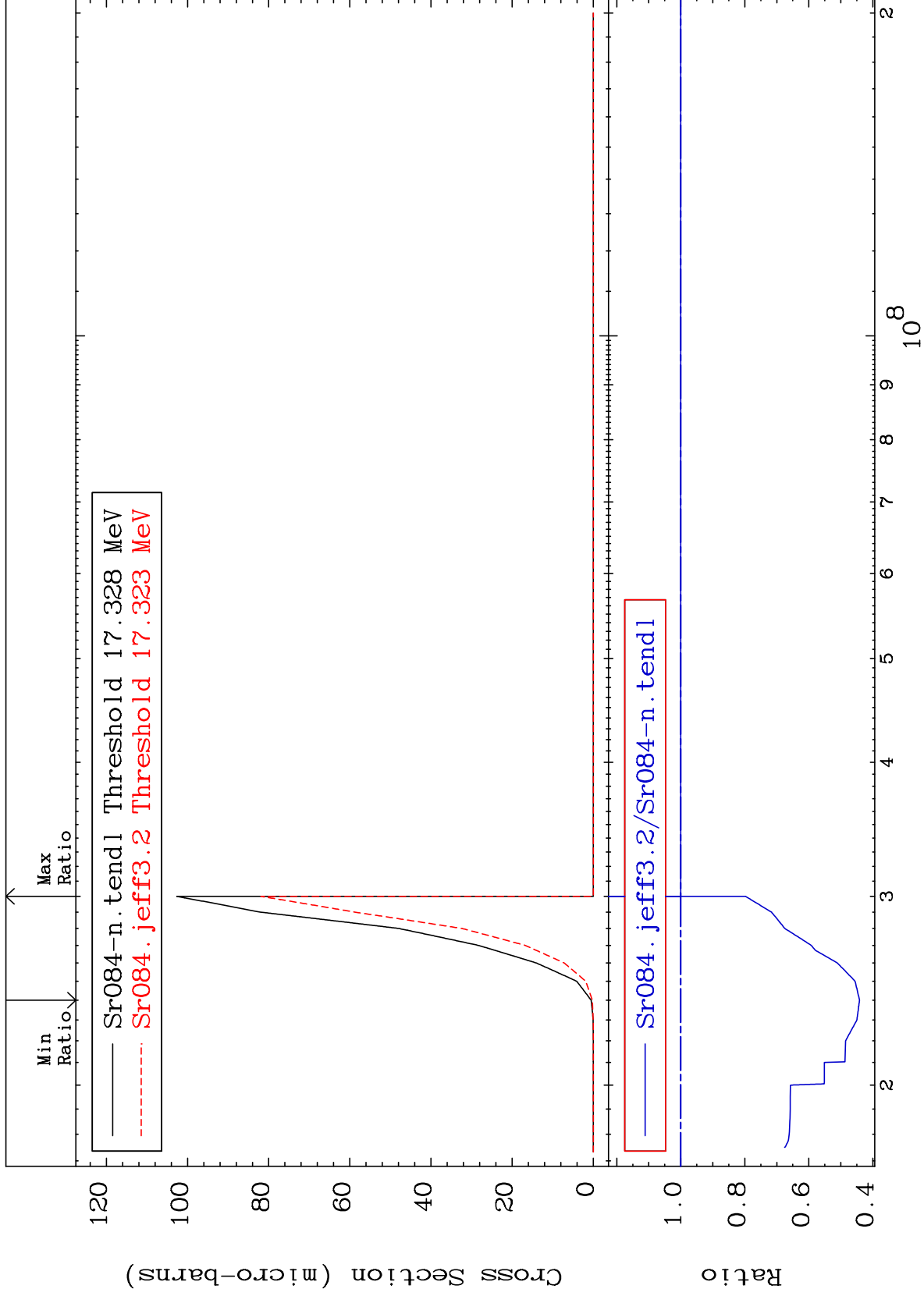
MAT 3825

(n, p) t

38-Sr-84

Cross Section

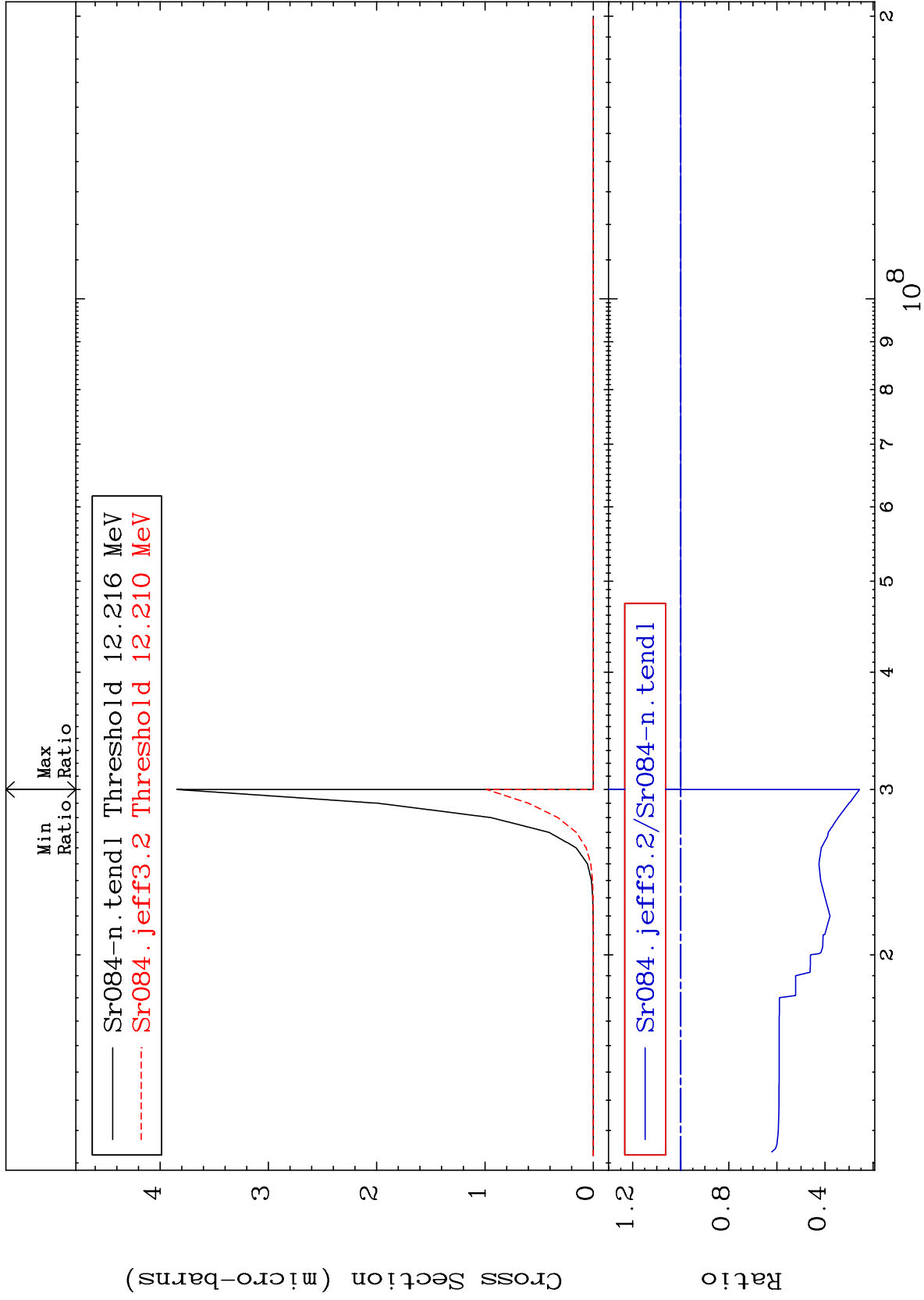
-55.85 To 0.000 %



57

Incident Energy (eV)

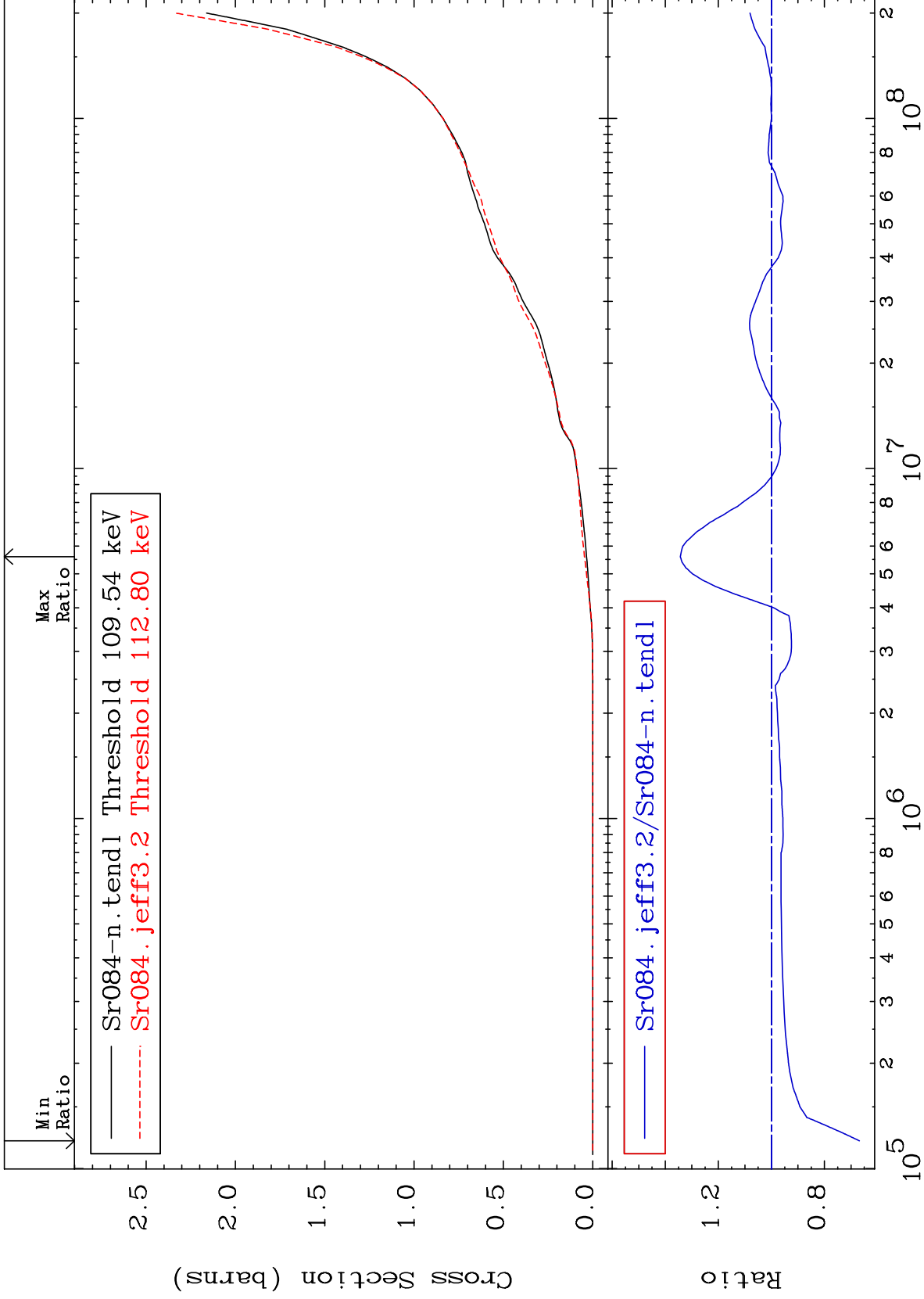
38-Sr-84



MAT 3825

Hydrogen Production
Cross Section

38-Sr-84
-33.17 To 34.32 %



59

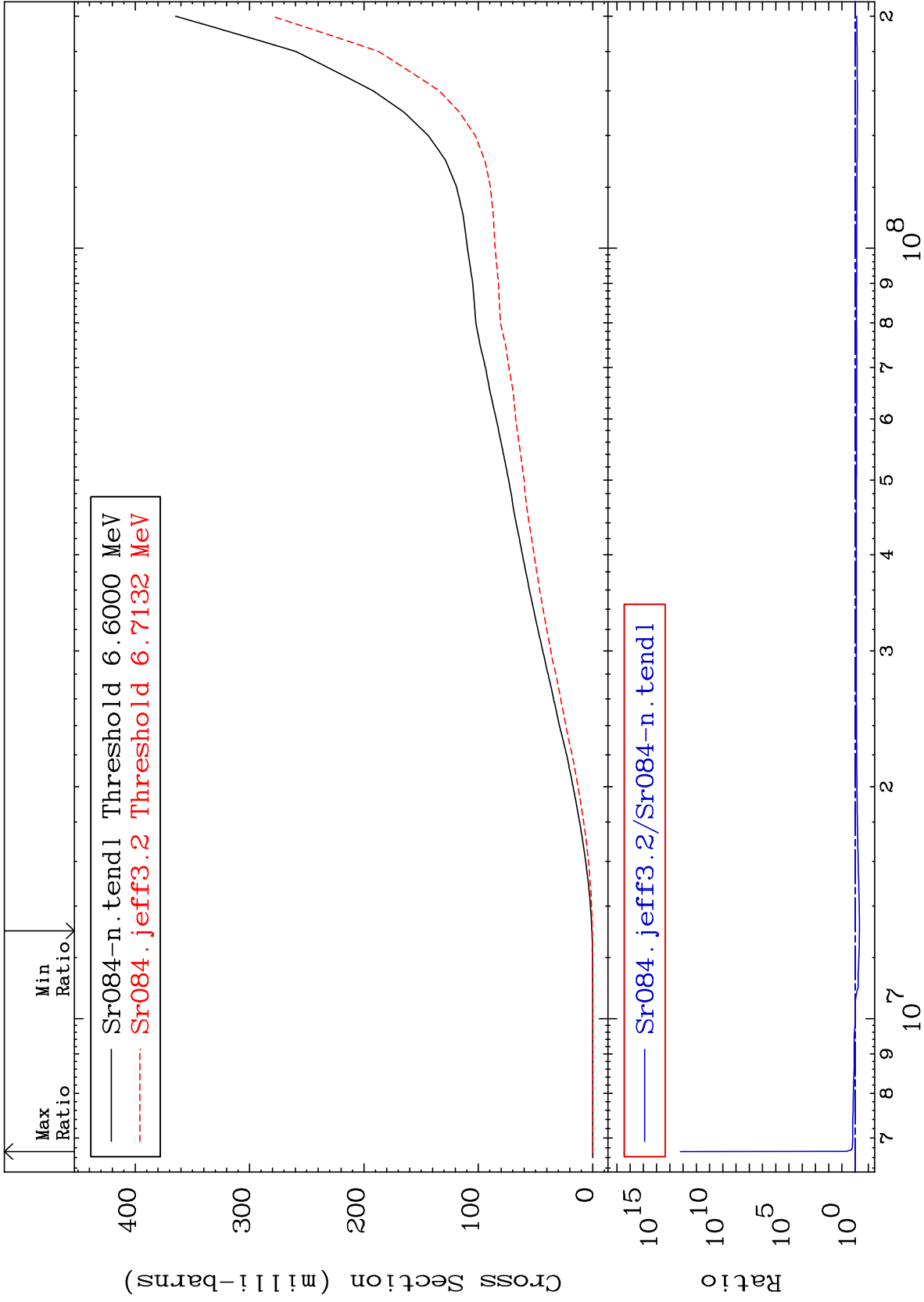
Incident Energy (eV)

38-Sr-84

MAT 3825

Deuterium Production
Cross Section

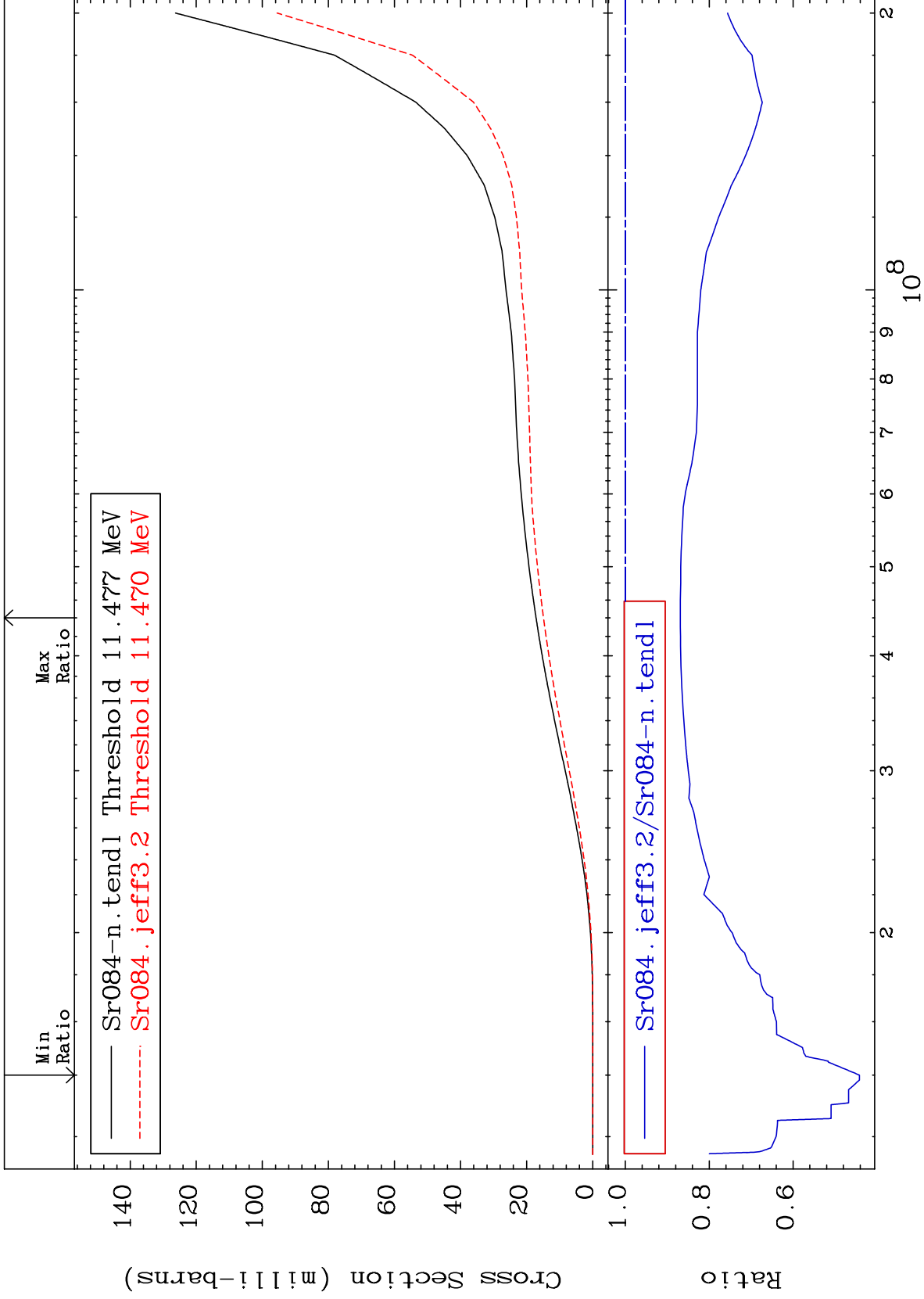
38-Sr-84
-51.87 To 9999. %



60

Incident Energy (eV)

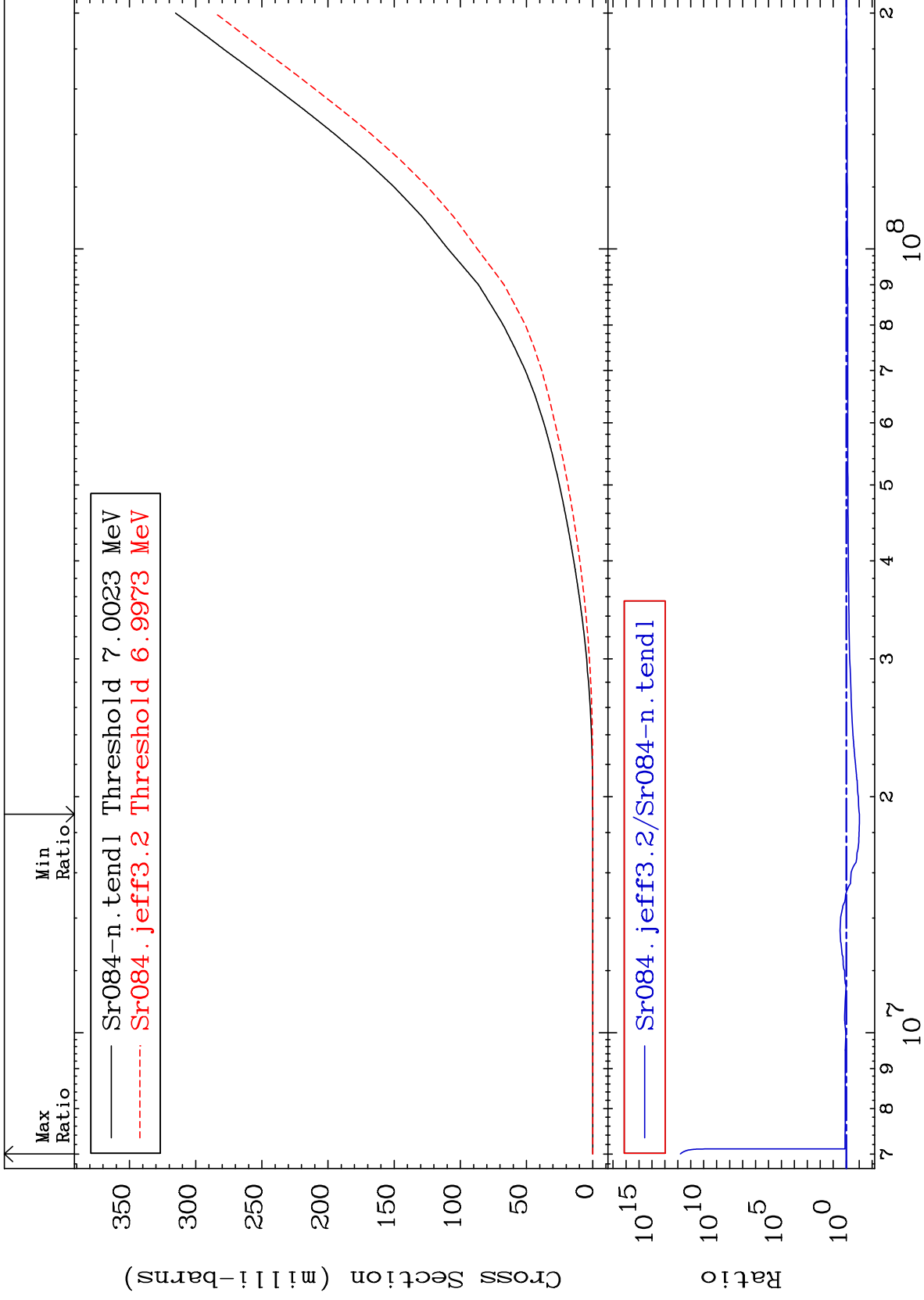
38-Sr-84



MAT 3825

He-3 Production
Cross Section

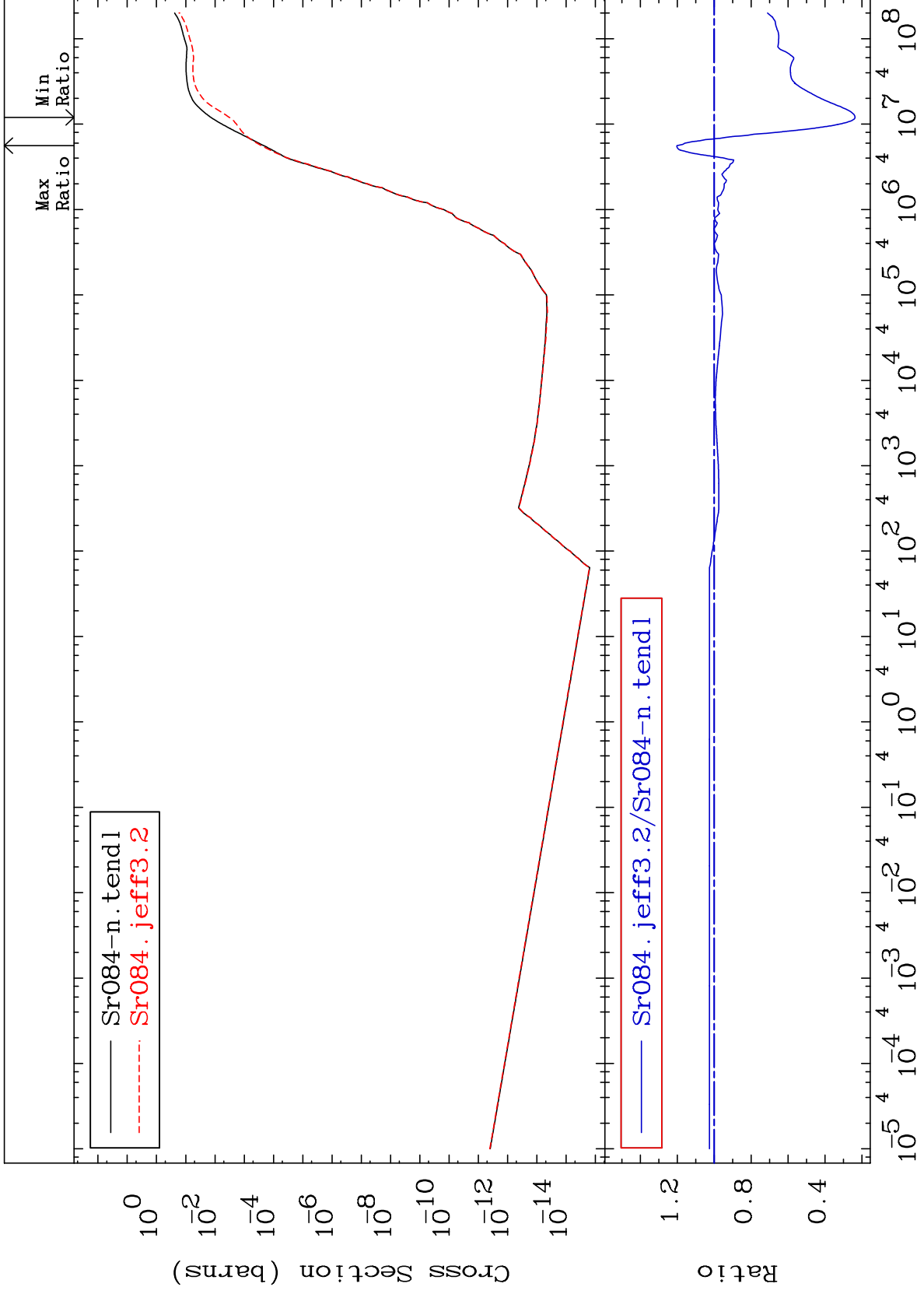
38-Sr-84
-90.47 To 9999. %



MAT 3825

He-4 Production
Cross Section

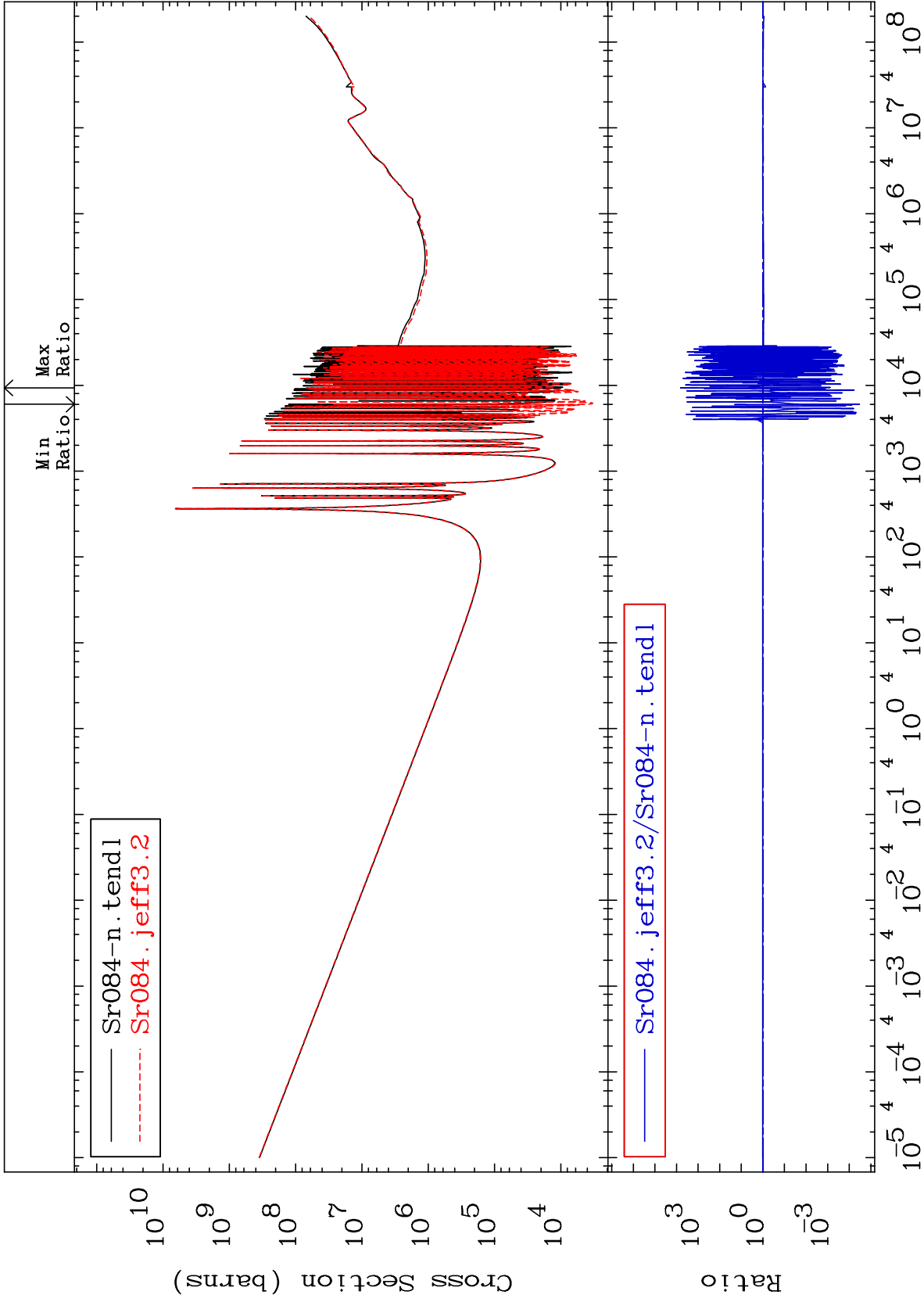
38-Sr-84
-76.34 To 20.20 %

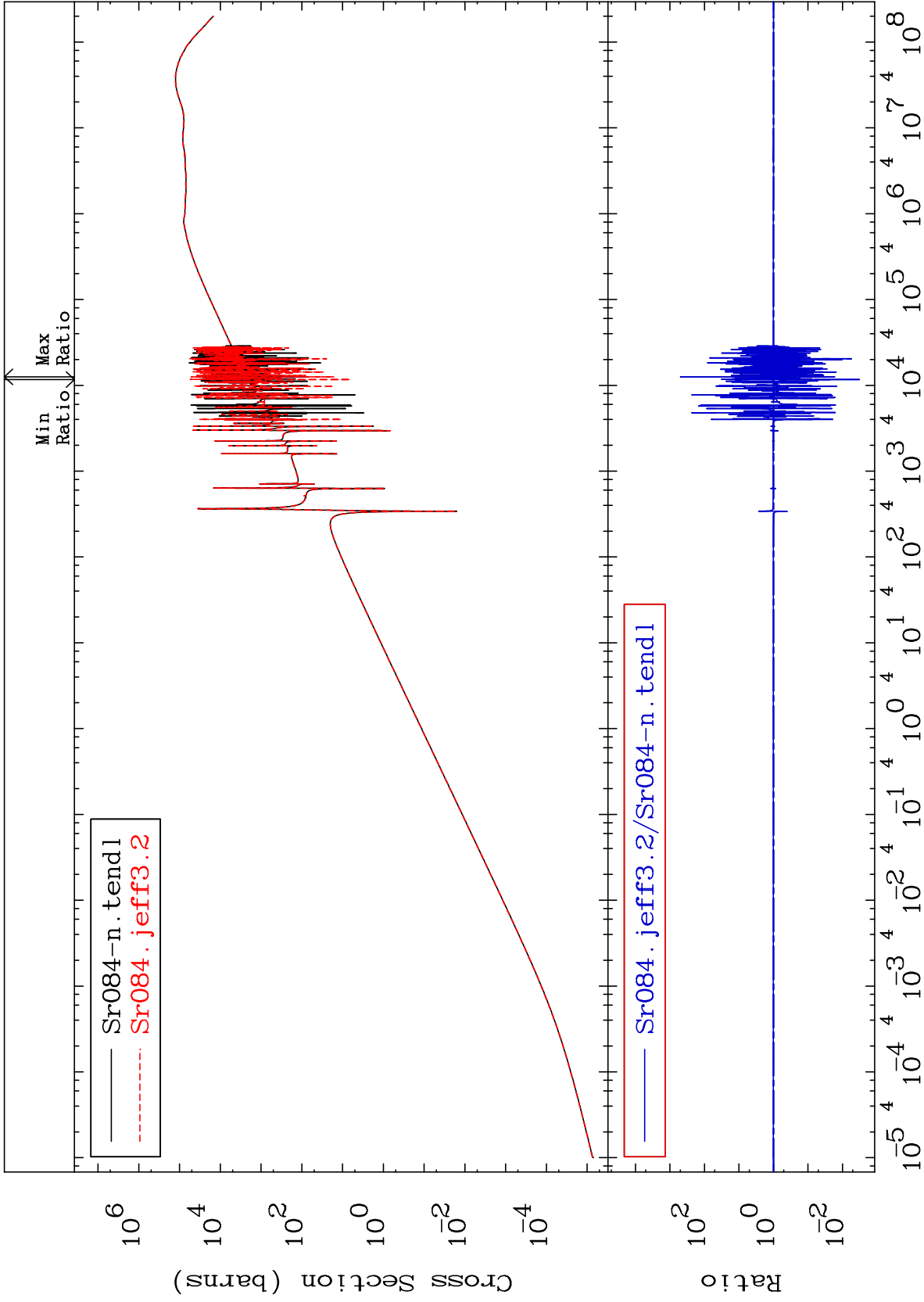


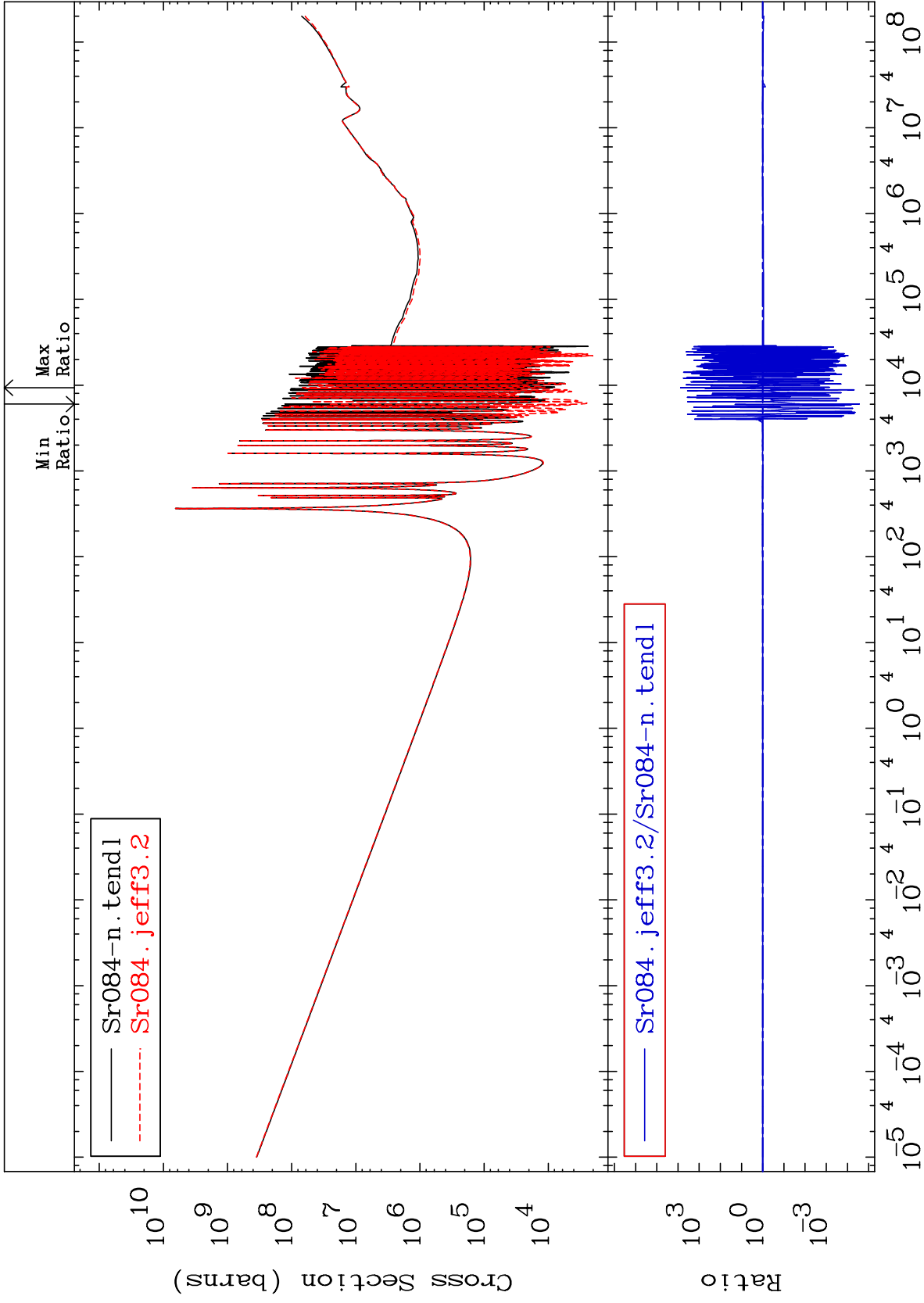
63

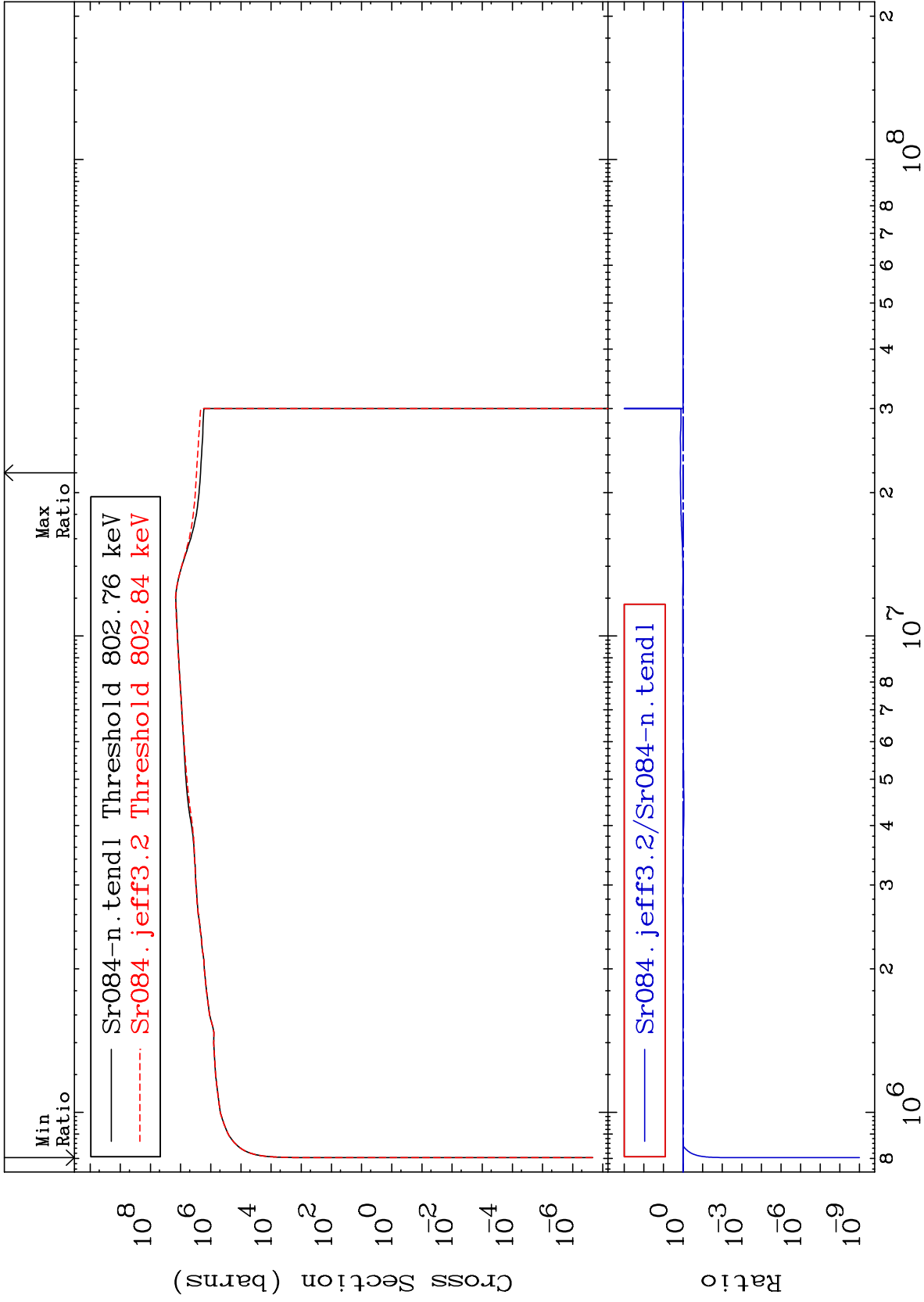
Incident Energy (eV)

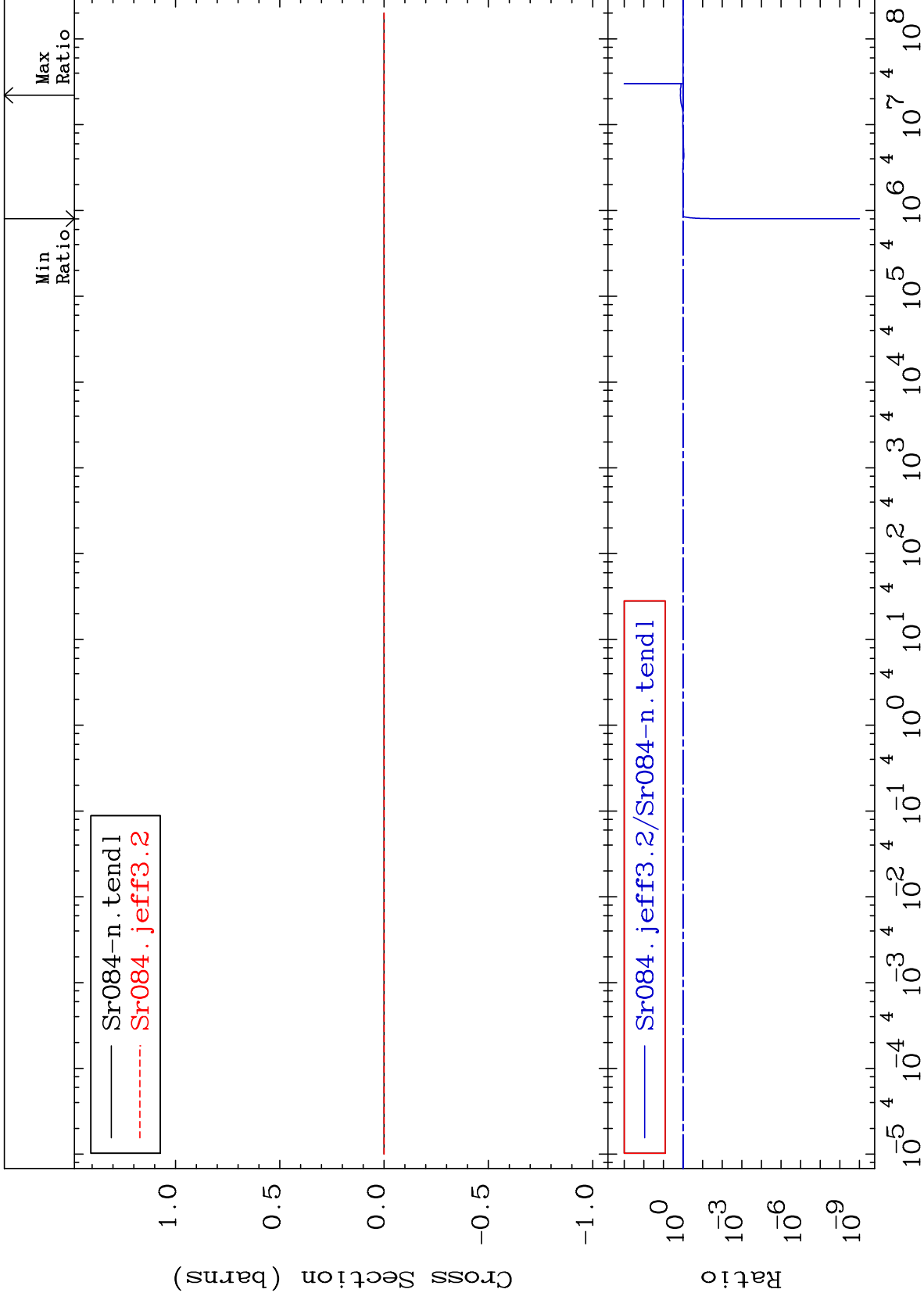
38-Sr-84







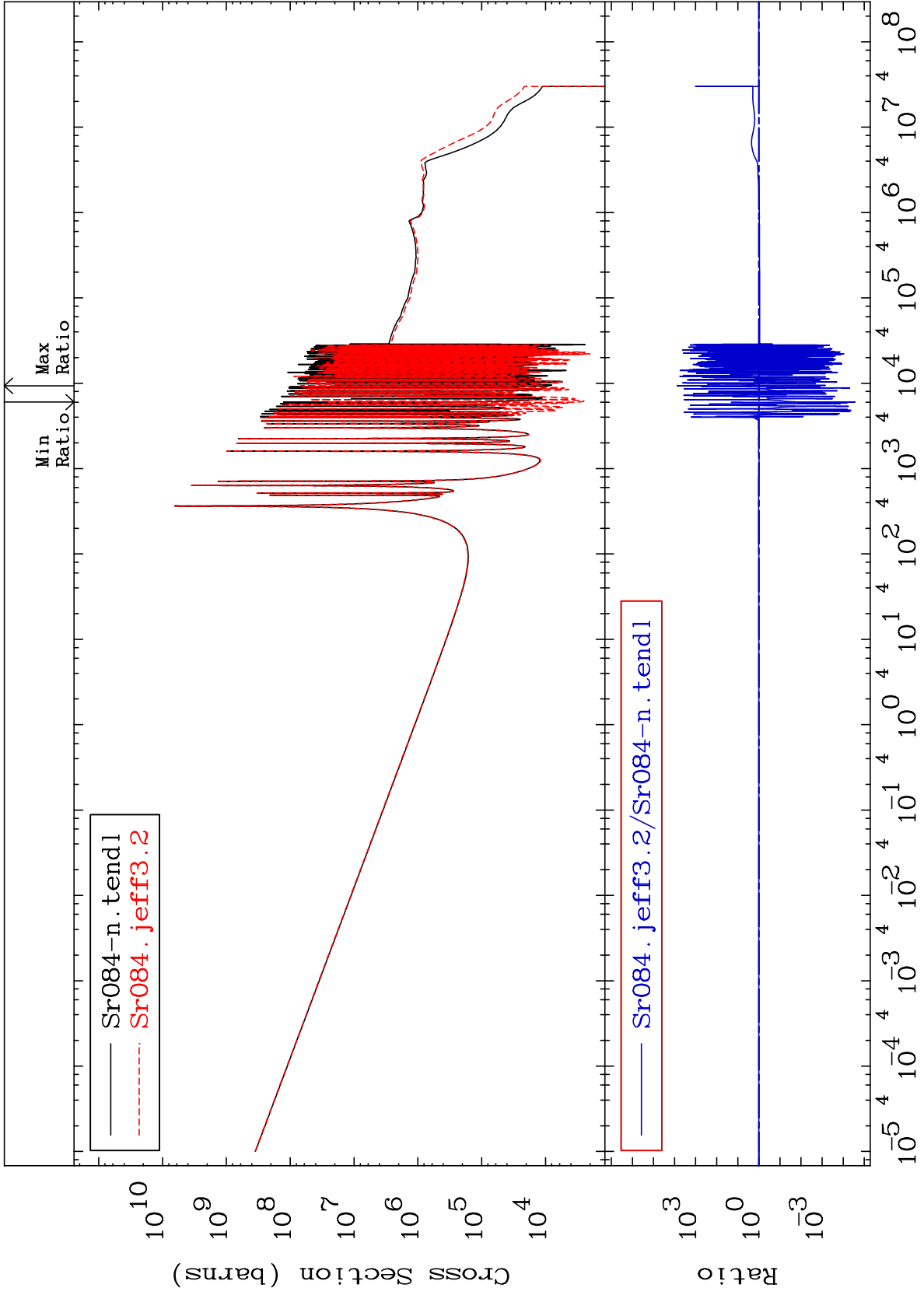




MAT 3825

Kerma capture (mt102)
Cross Section

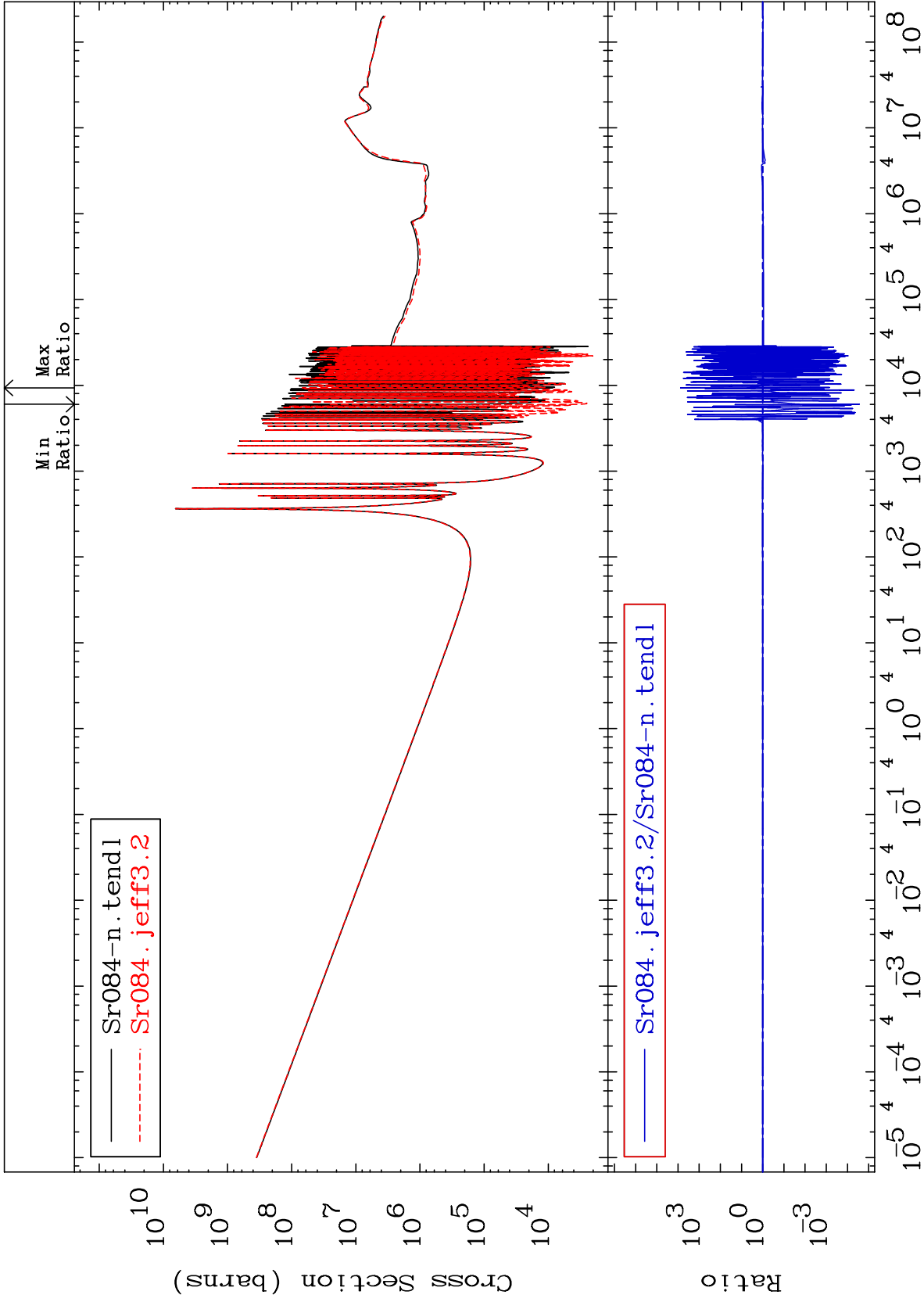
38-Sr-84
-100.0 To 9999. %

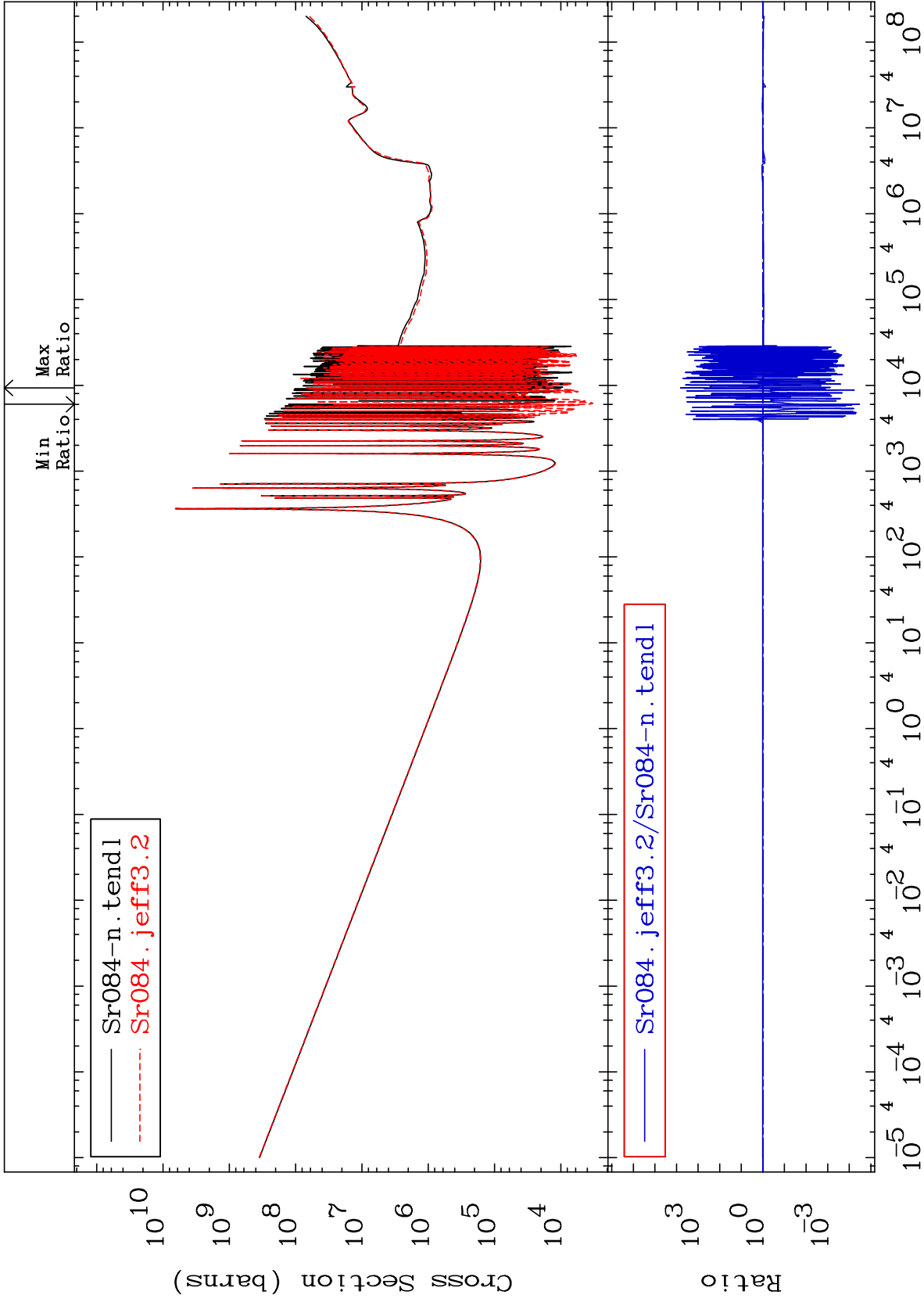


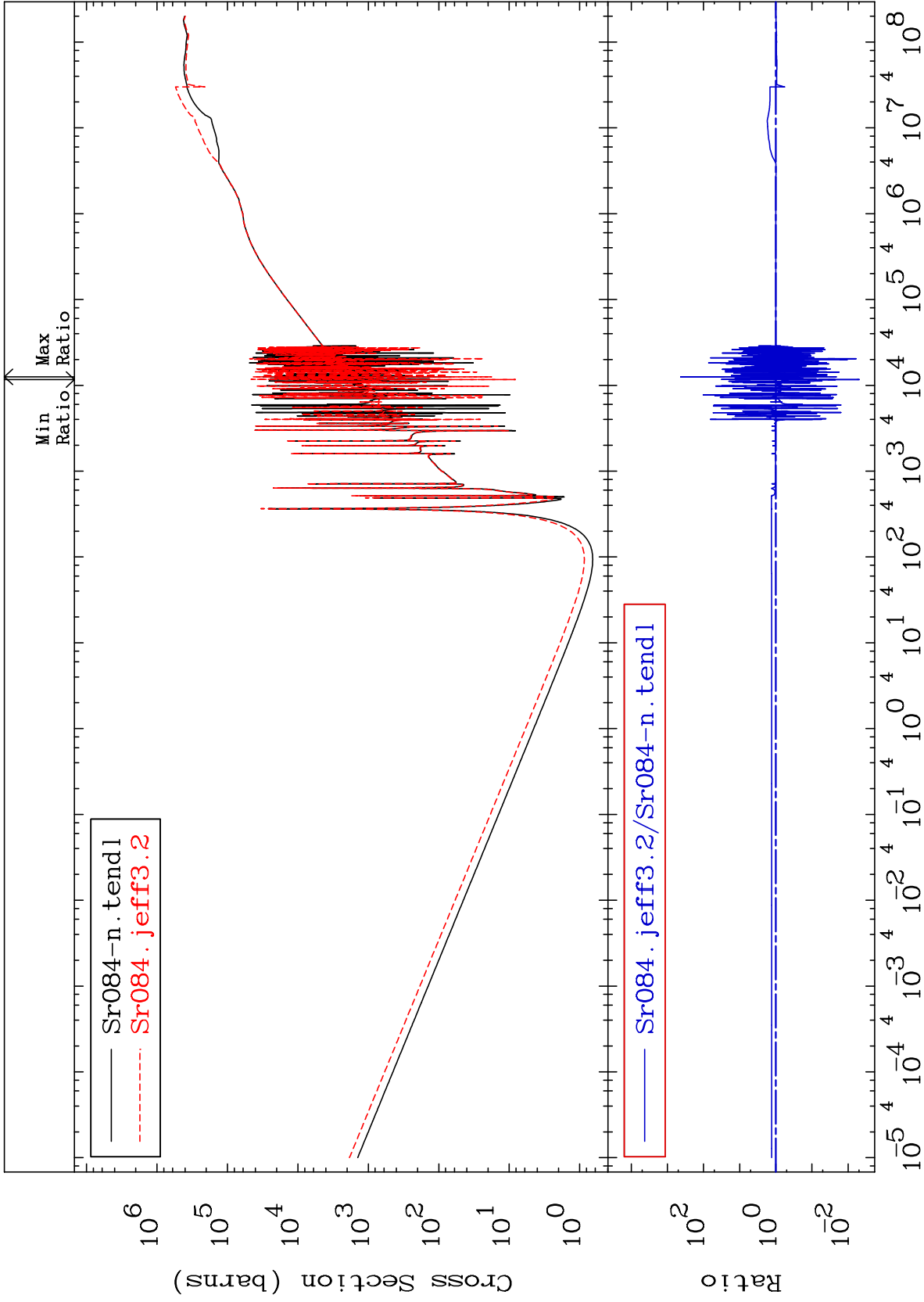
69

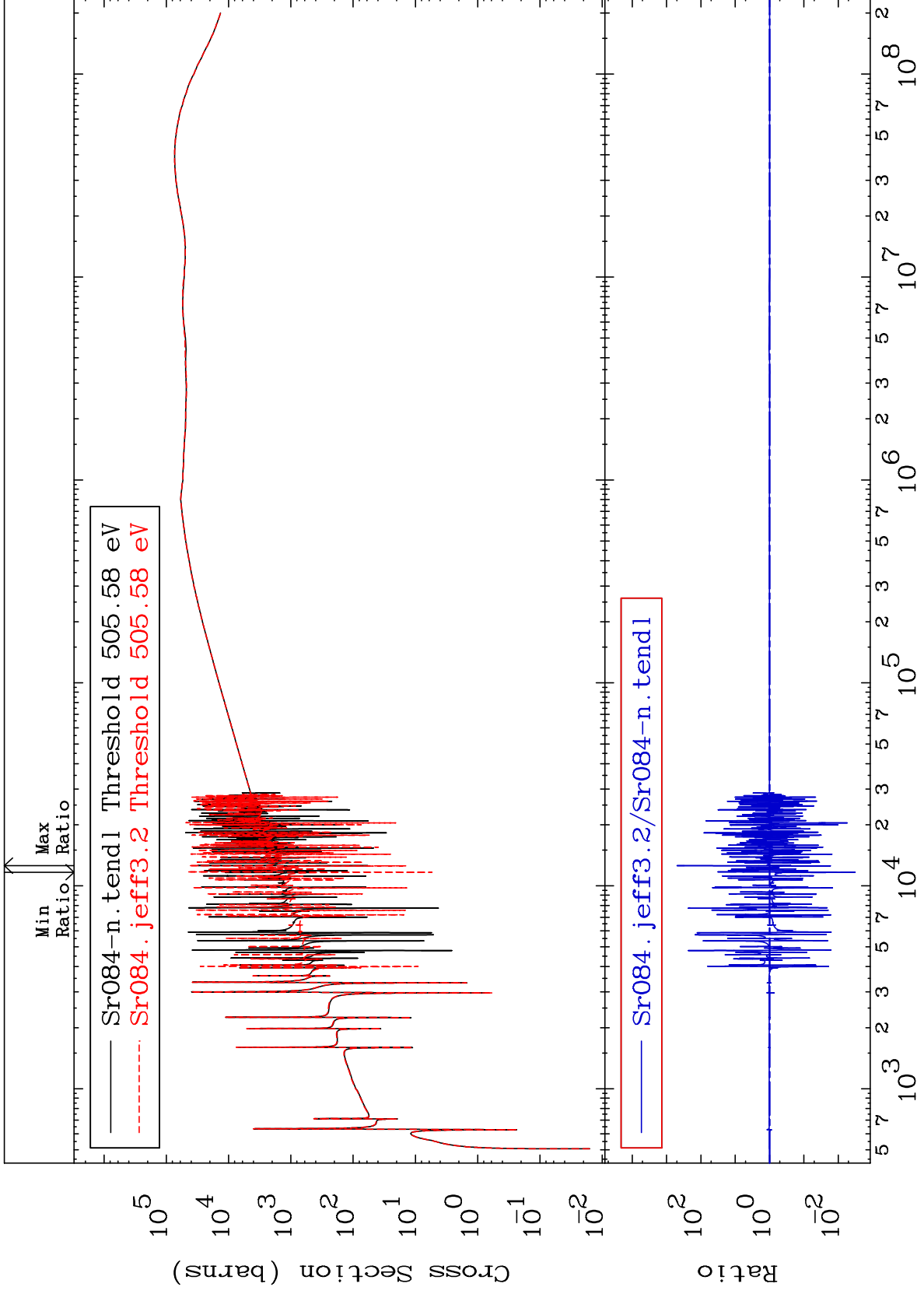
Incident Energy (eV)

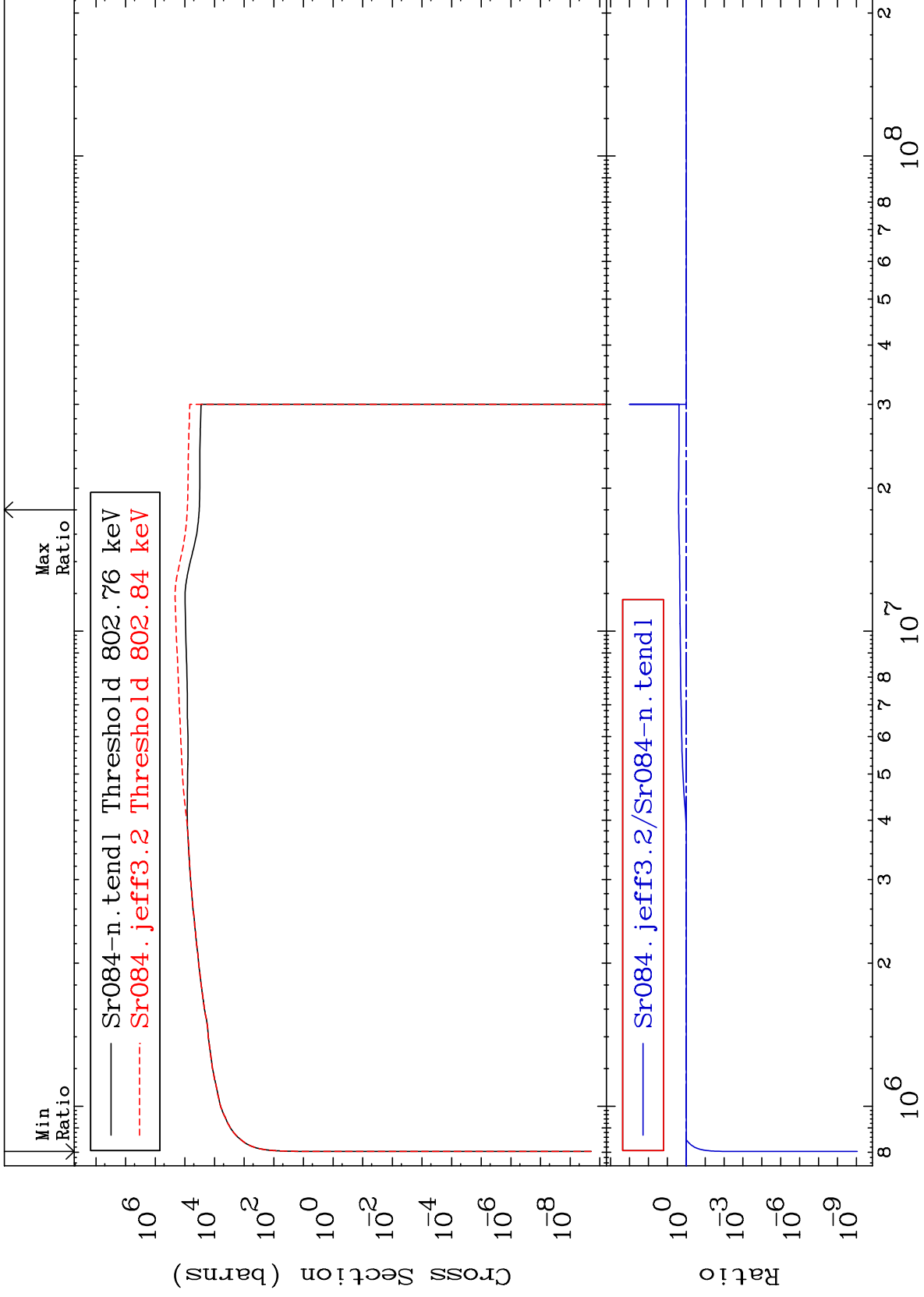
38-Sr-84

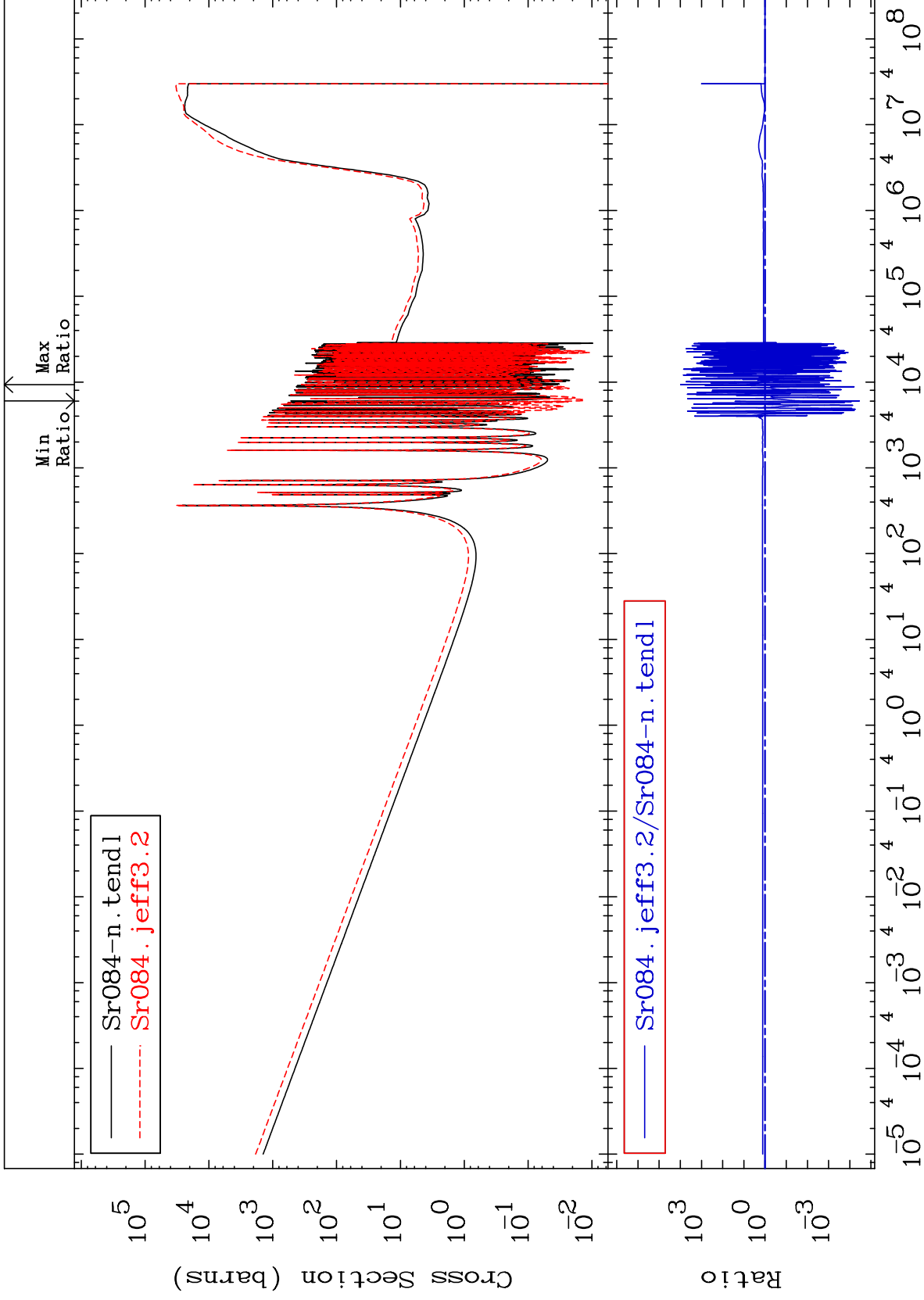


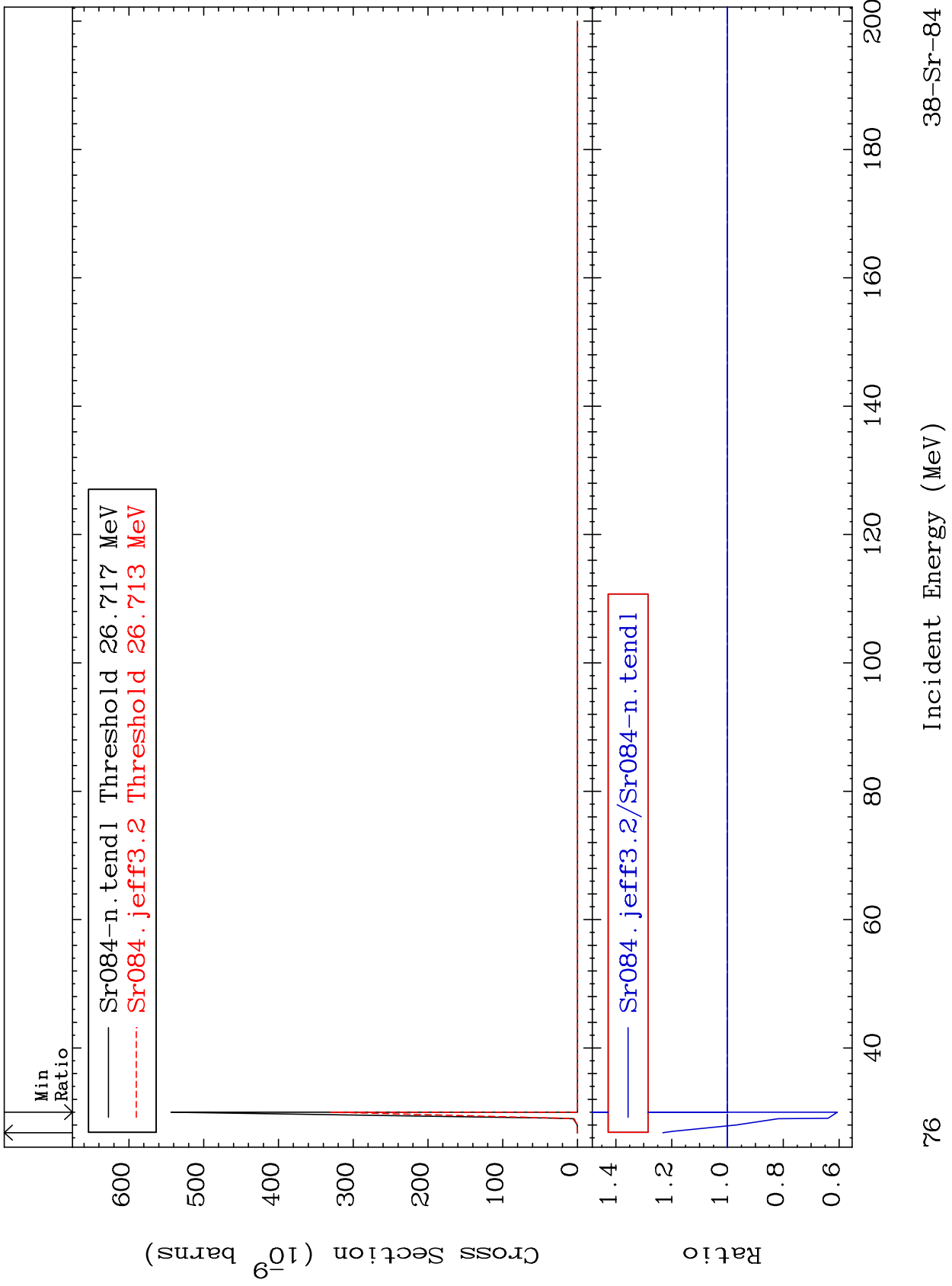




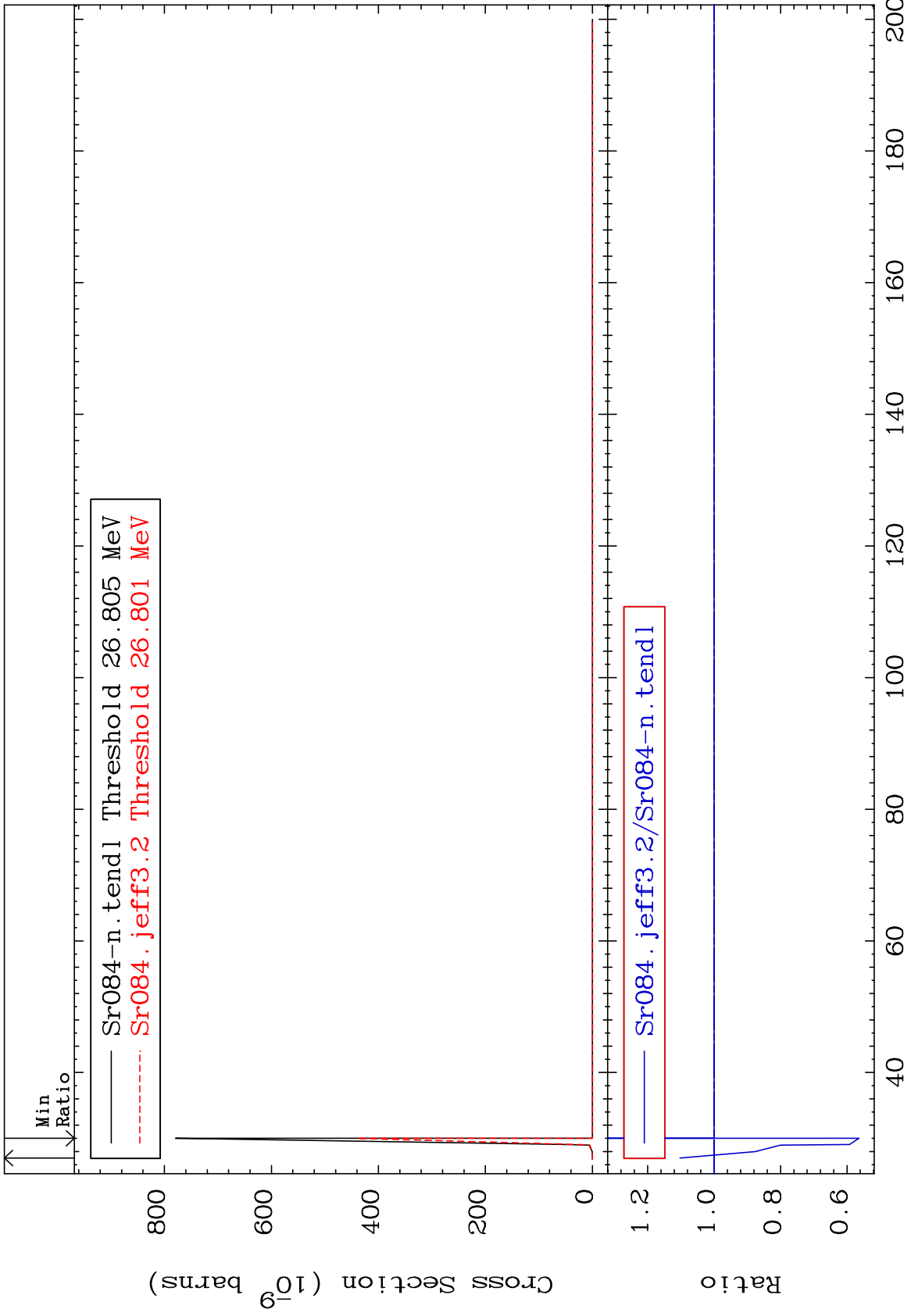


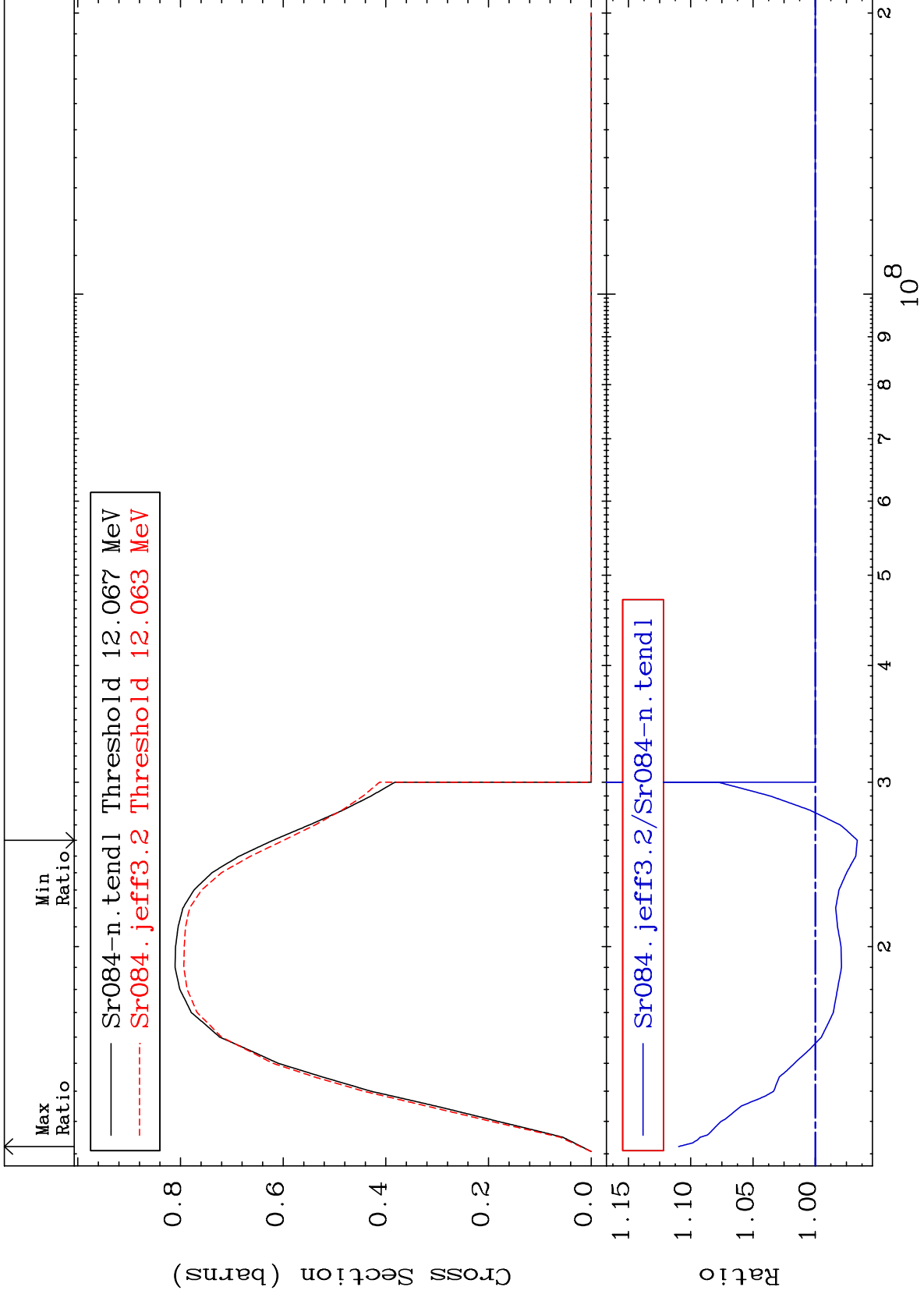




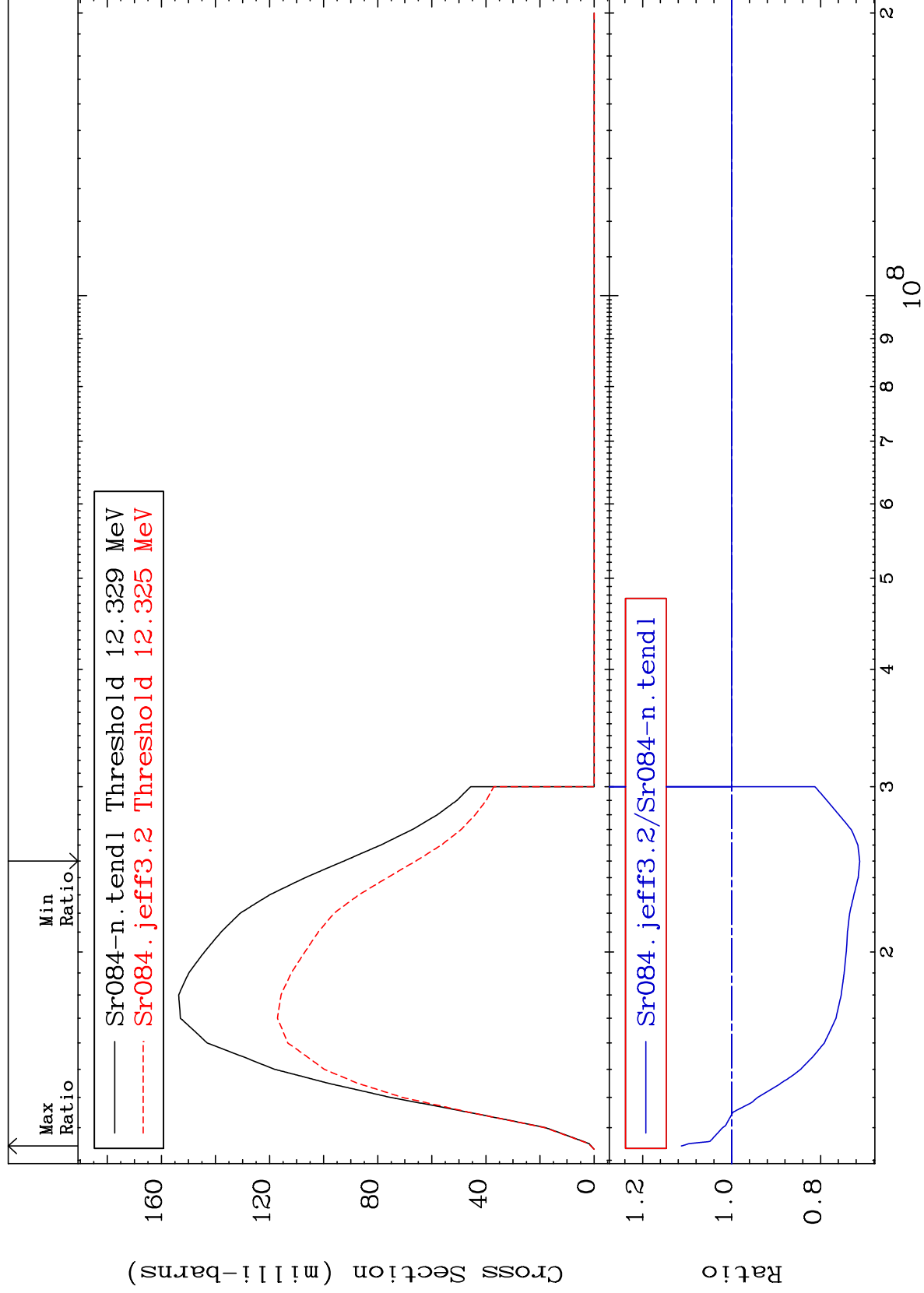


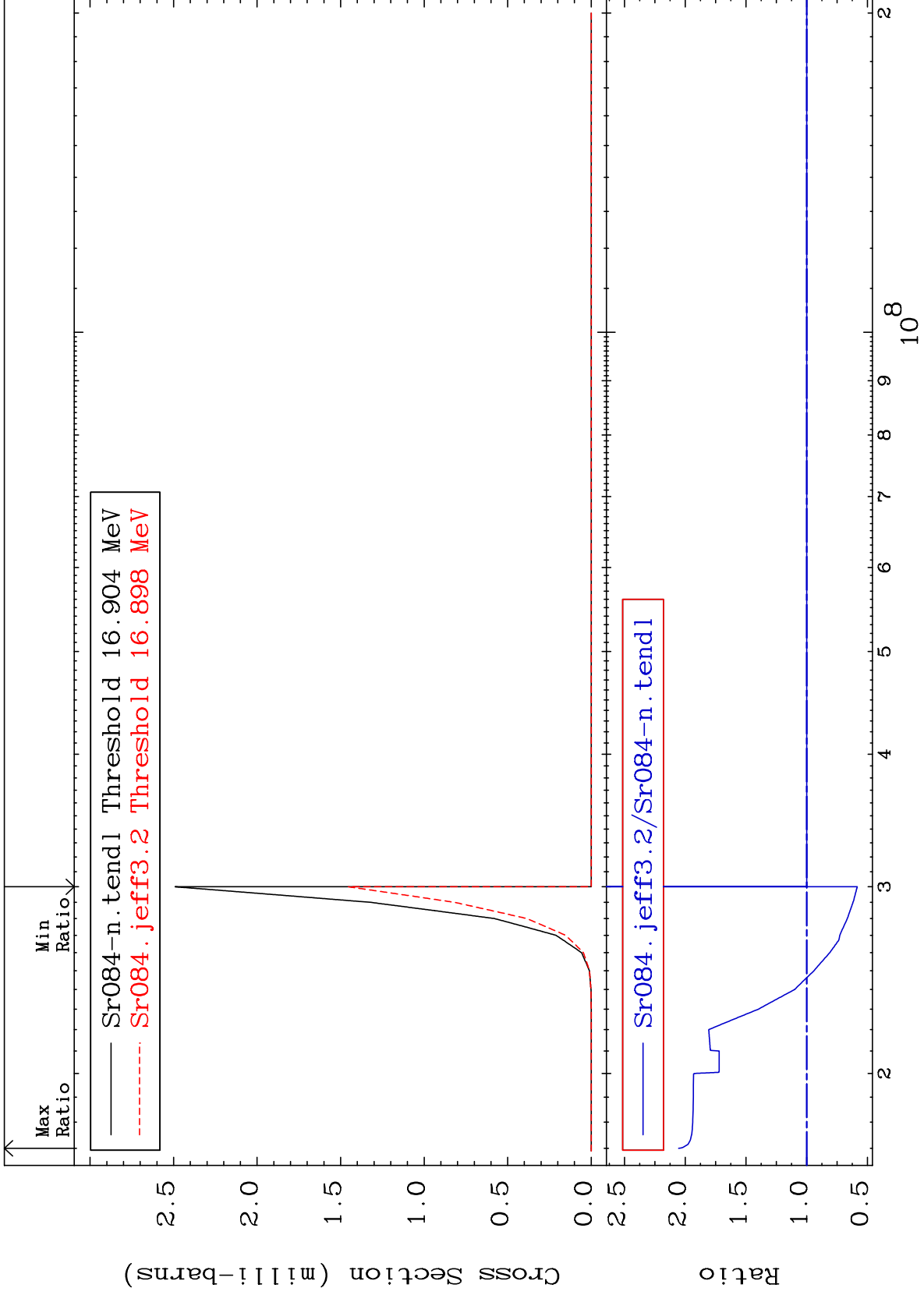
Radionuclide Production Cross Section -43.60 To 10.26 %

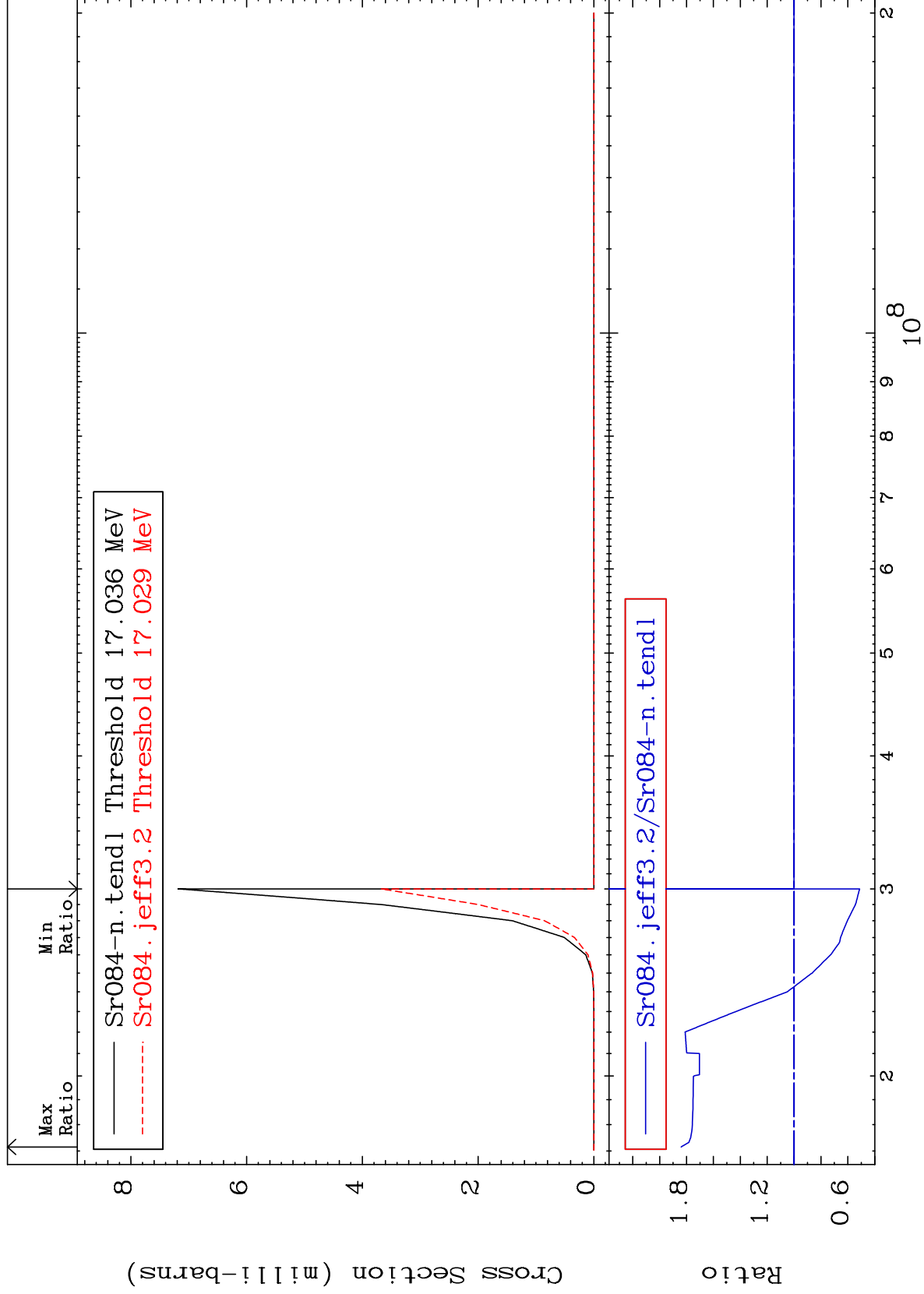


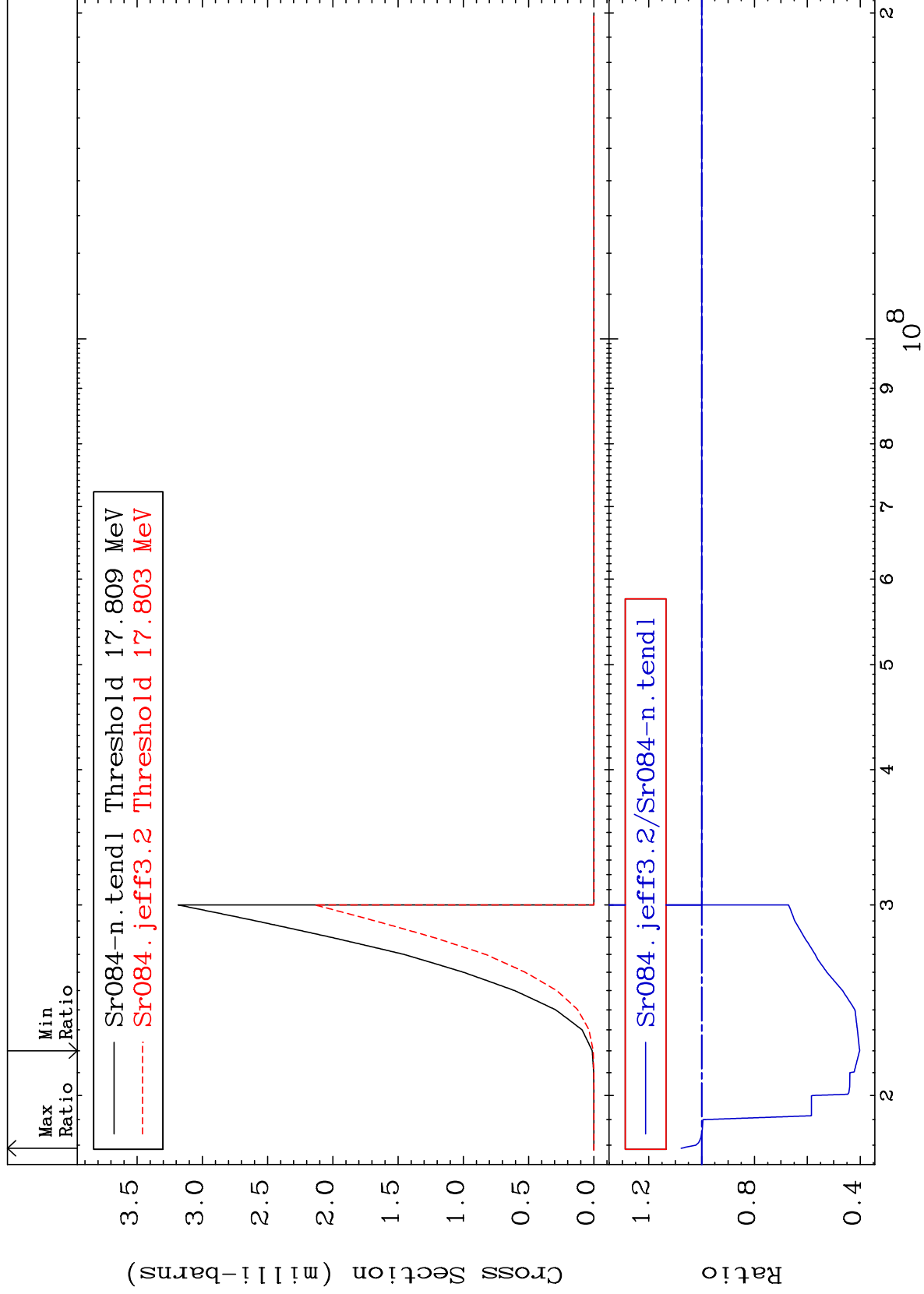


Radionuclide Production Cross Section -28.80 To 11.30 %

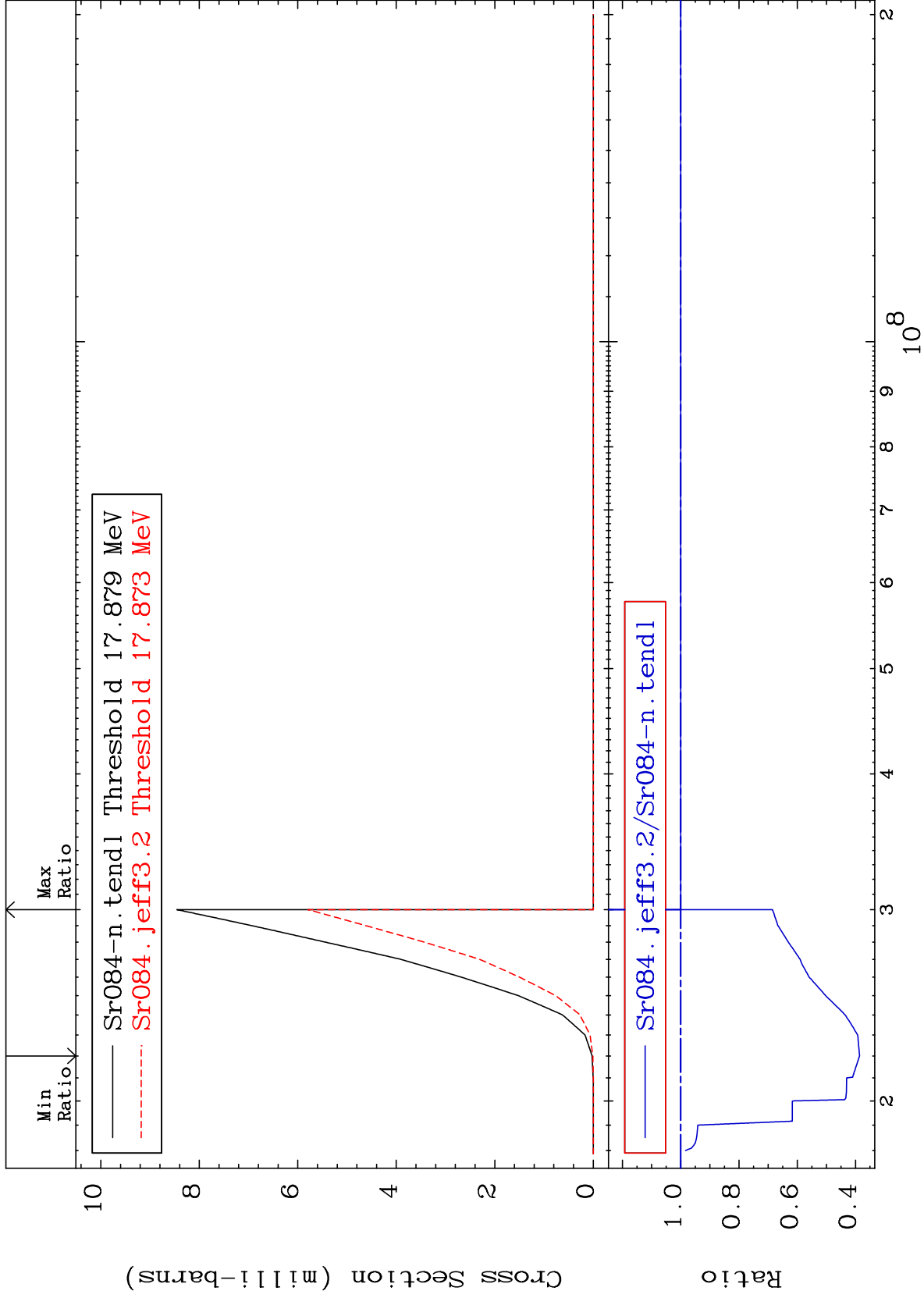








Radionuclide Production Cross Section -61.39 To 0.000 %

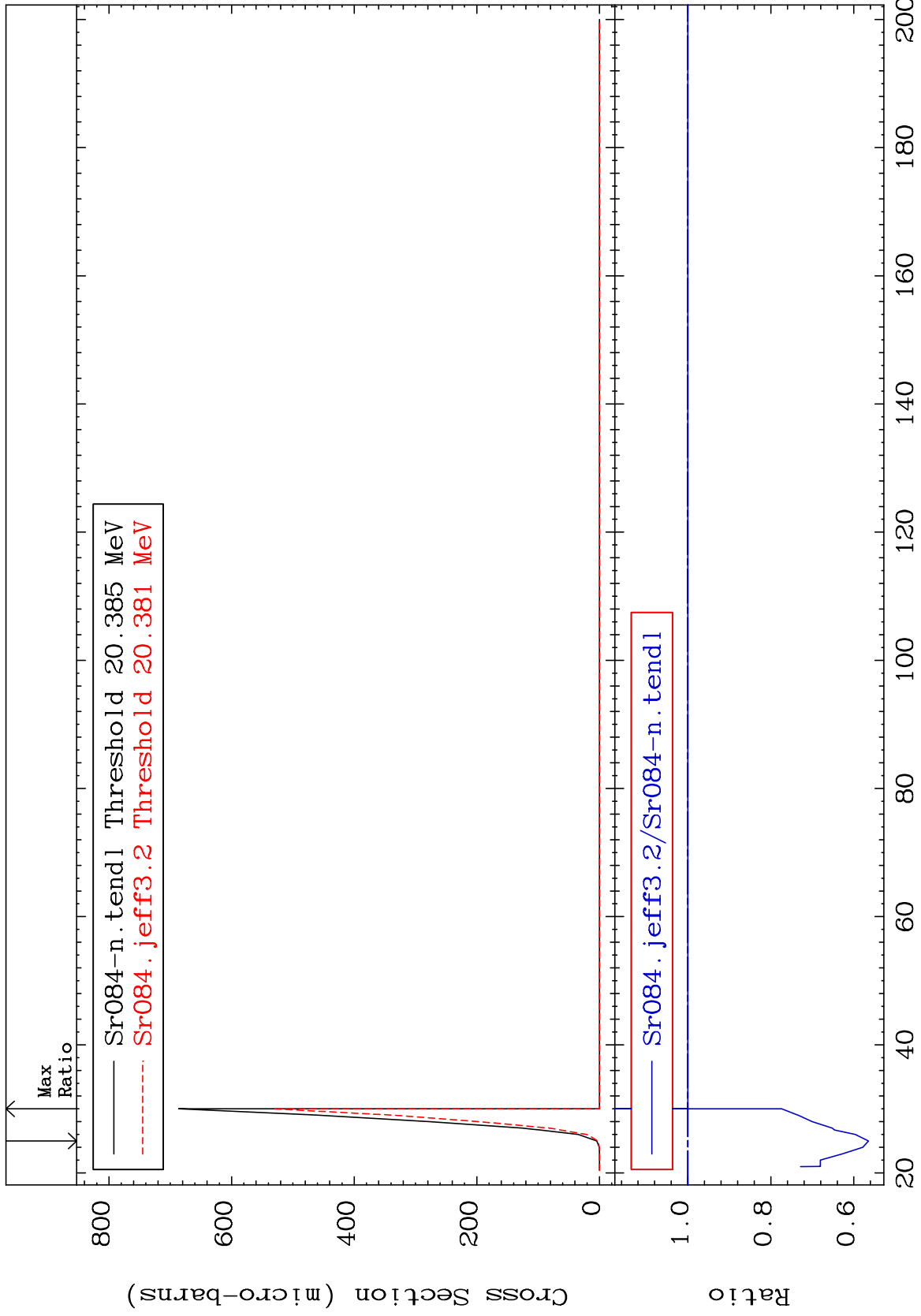


MAT 3825

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

38-Sr-84

Radionuclide Production Cross Section -43.53 To 0.000 %



84

Incident Energy (MeV)

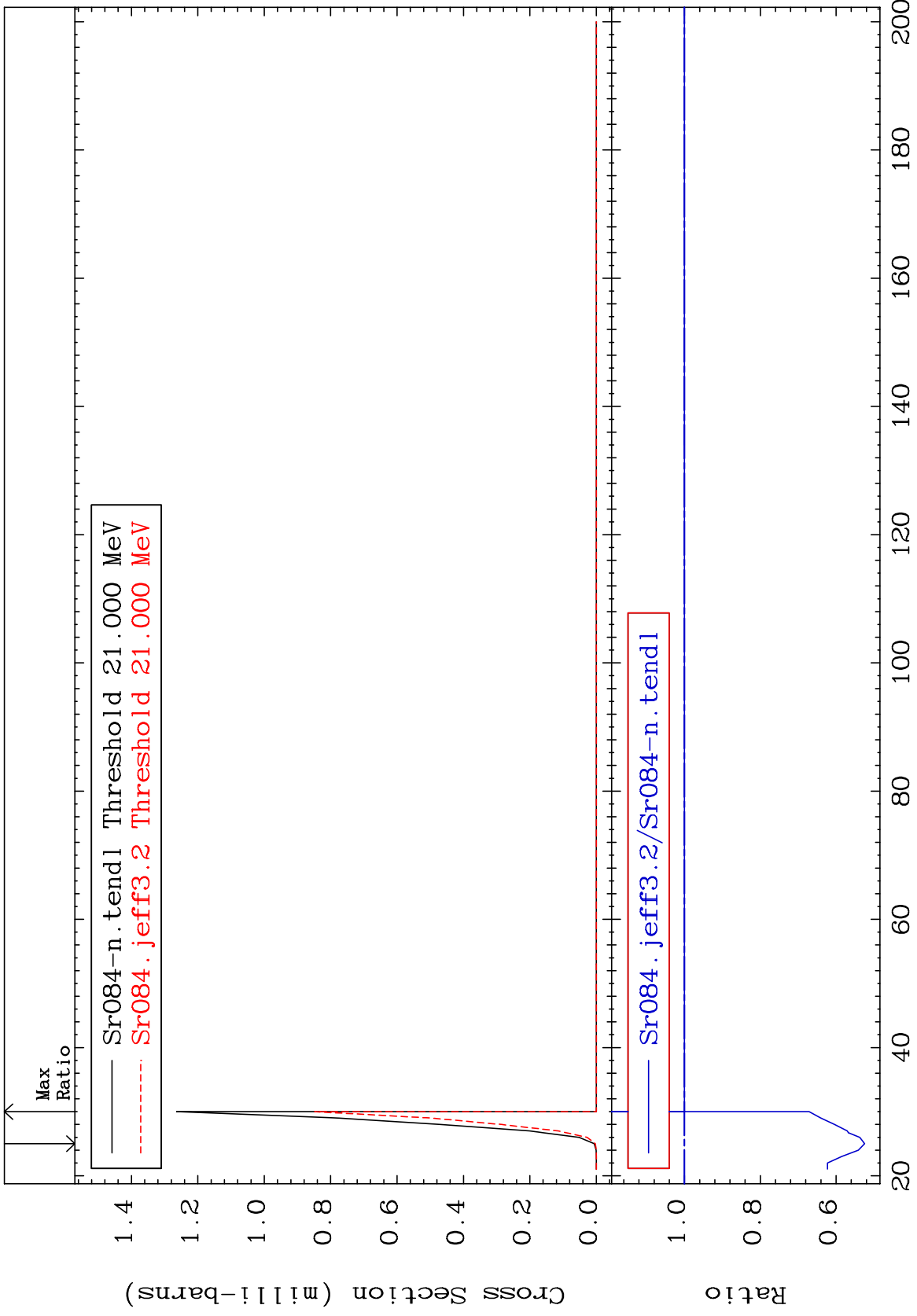
38-Sr-84

MAT 3825

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

38-Sr-84

Radionuclide Production Cross Section -47.52 To 0.000 %

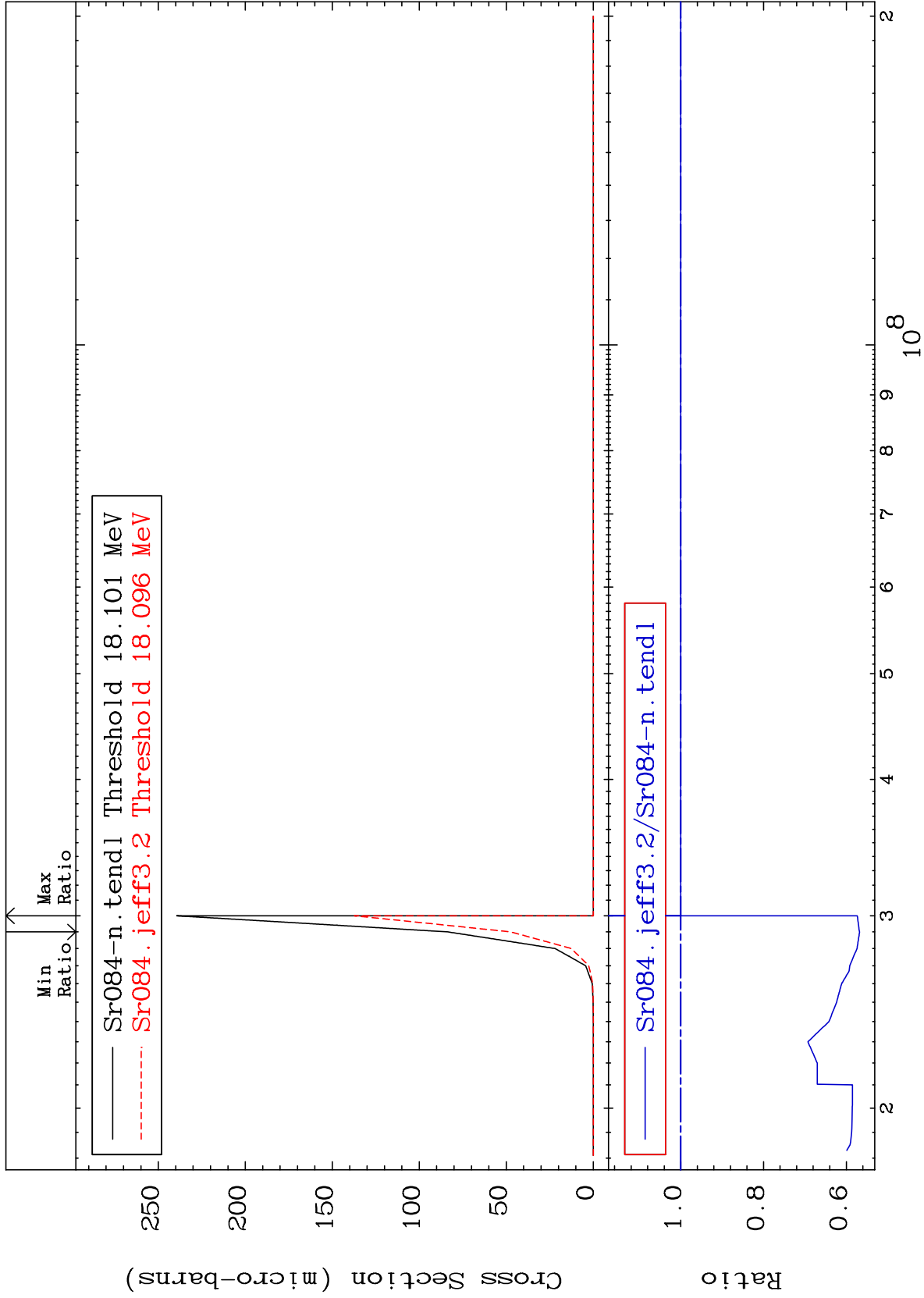


85

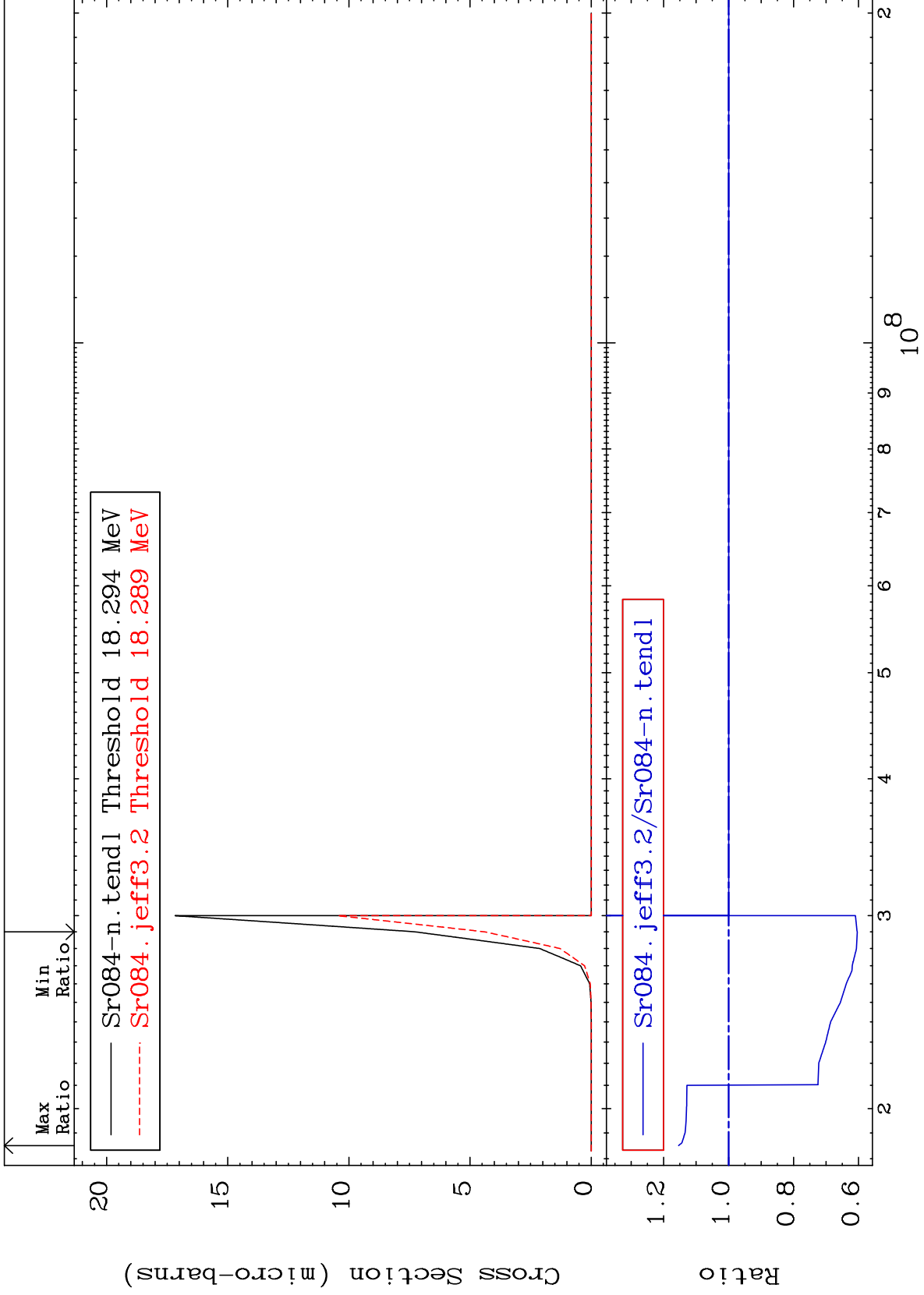
Incident Energy (MeV)

38-Sr-84

(n, n') He-3:36-Kr-81g
Radionuclide Production Cross Section -43.19 To 0.000 %



Radionuclide Production Cross Section -39.59 To 15.39 %

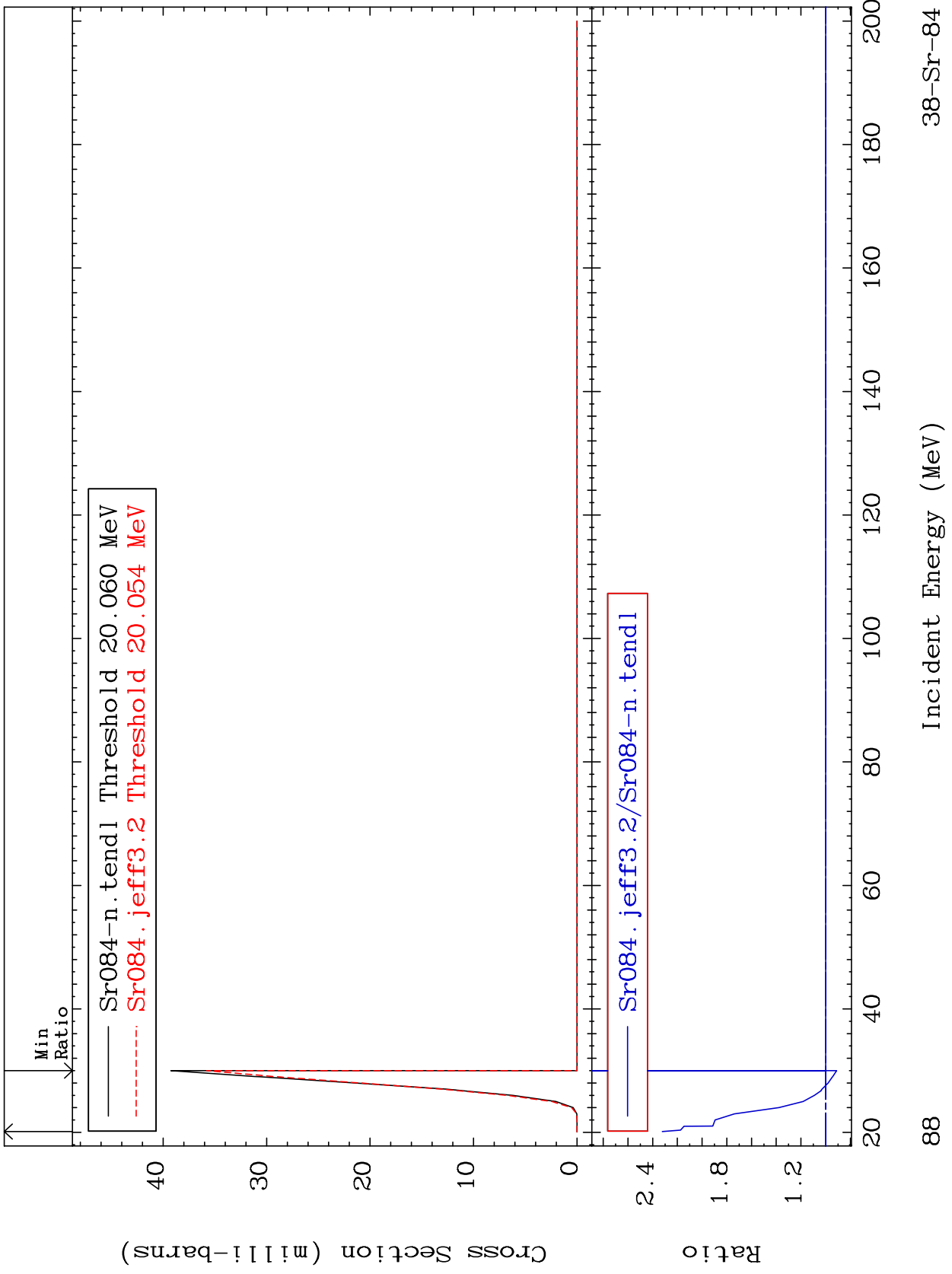


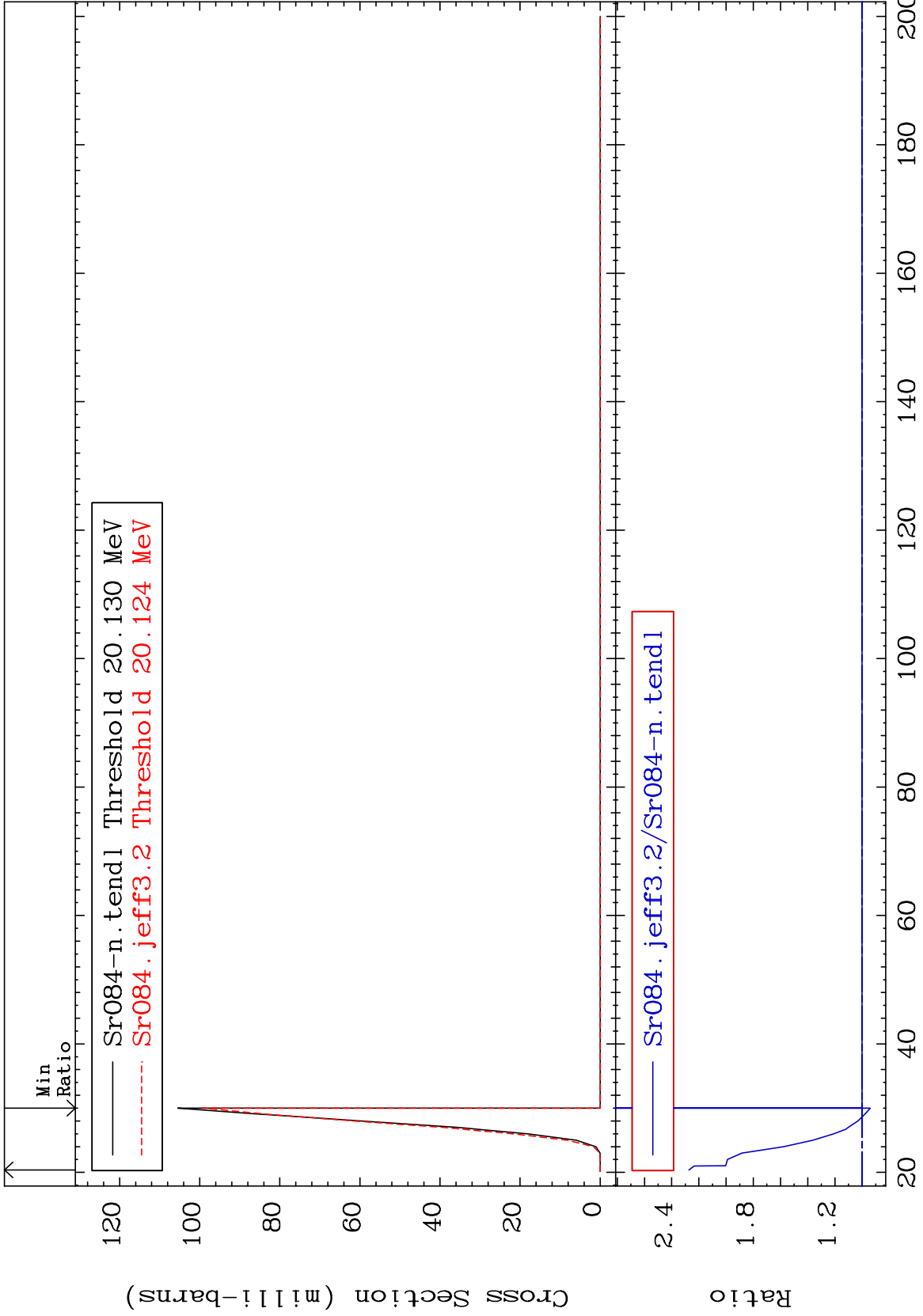
MAT 3825

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

38-Sr-84

Radionuclide Production Cross Section -8.881 To 132.2 %



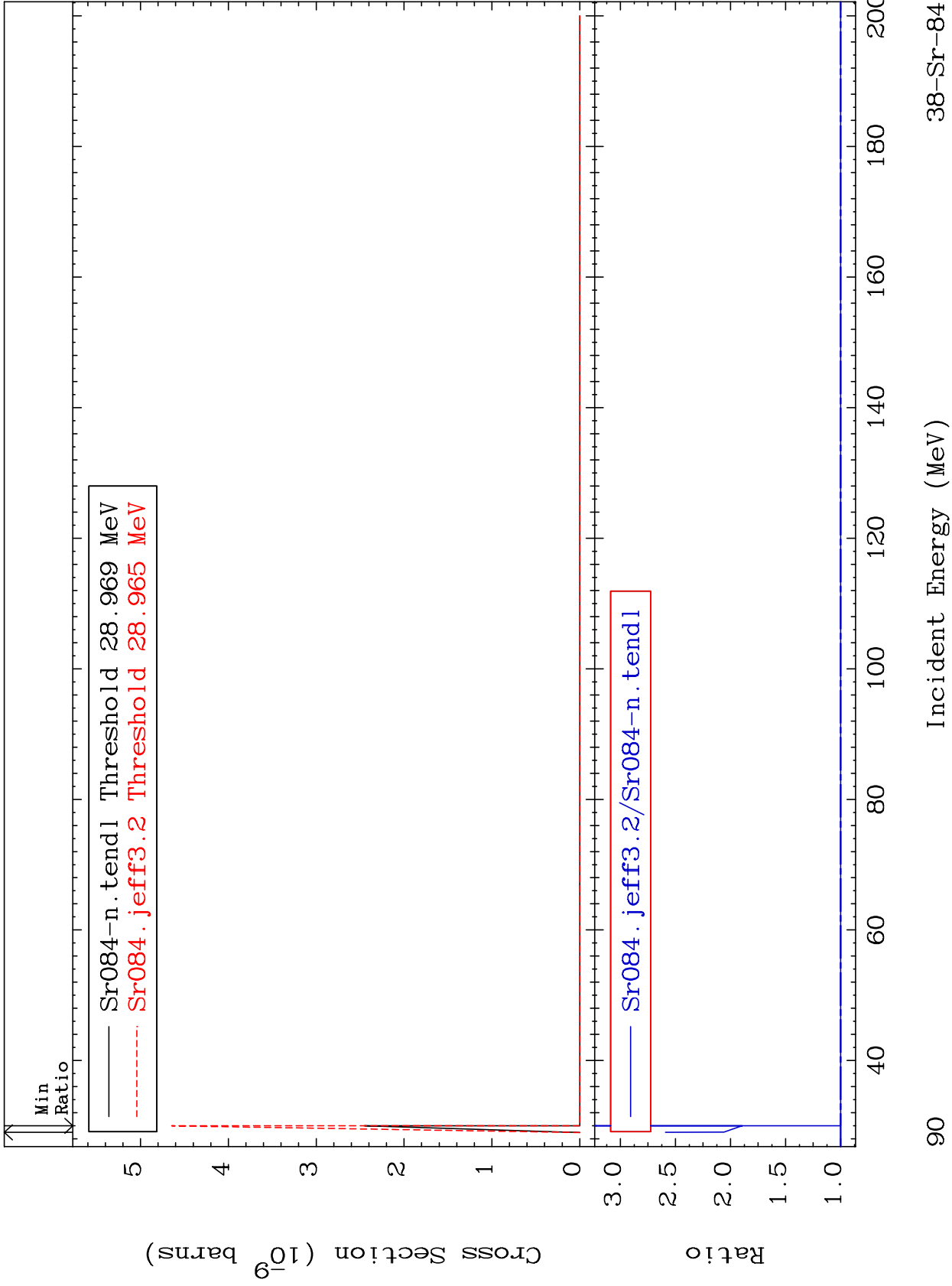


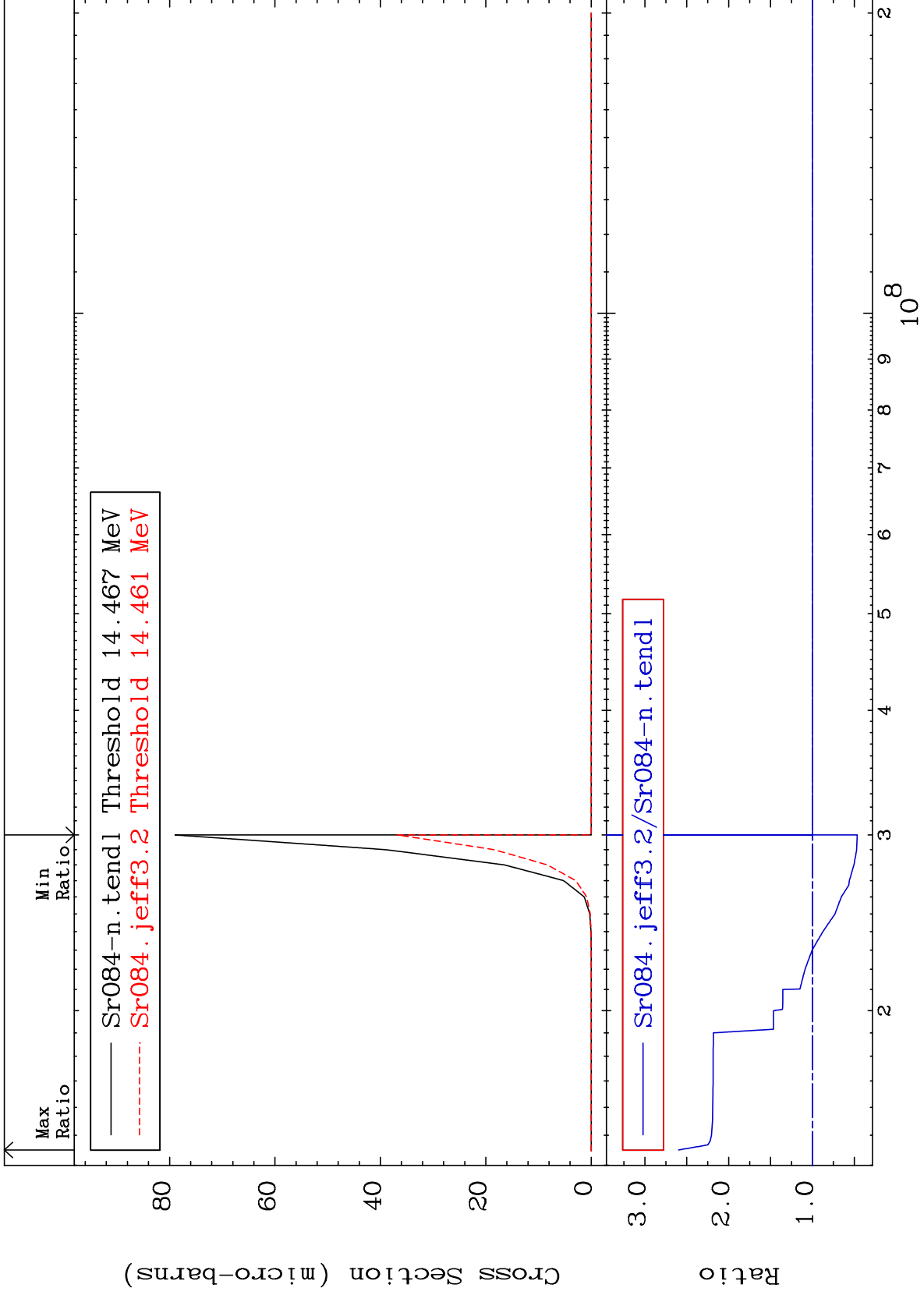
MAT 3825

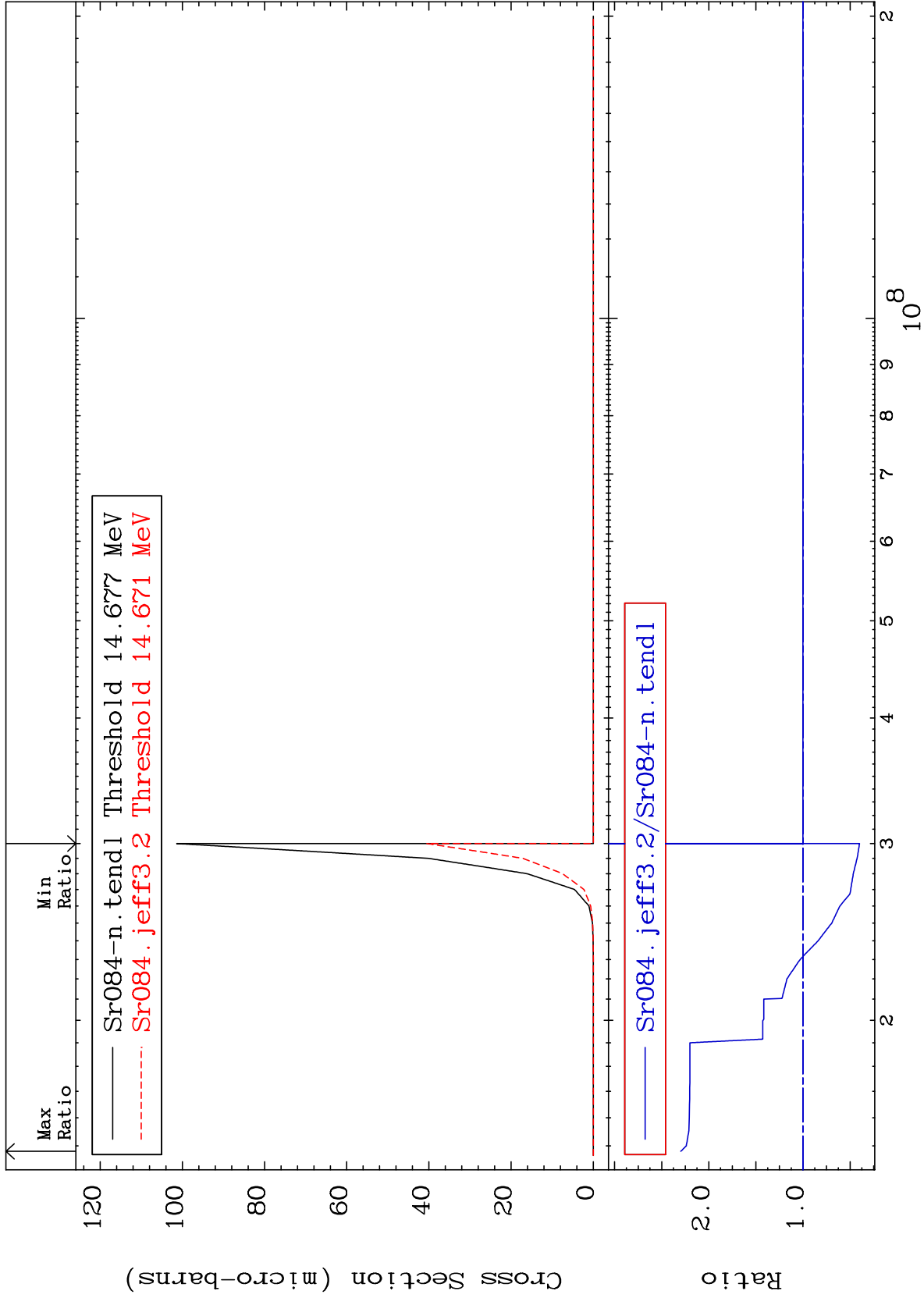
(n,3n) p:37-Rb-81g

38-Sr-84

Radionuclide Production Cross Section 0.000 To 159.1 %





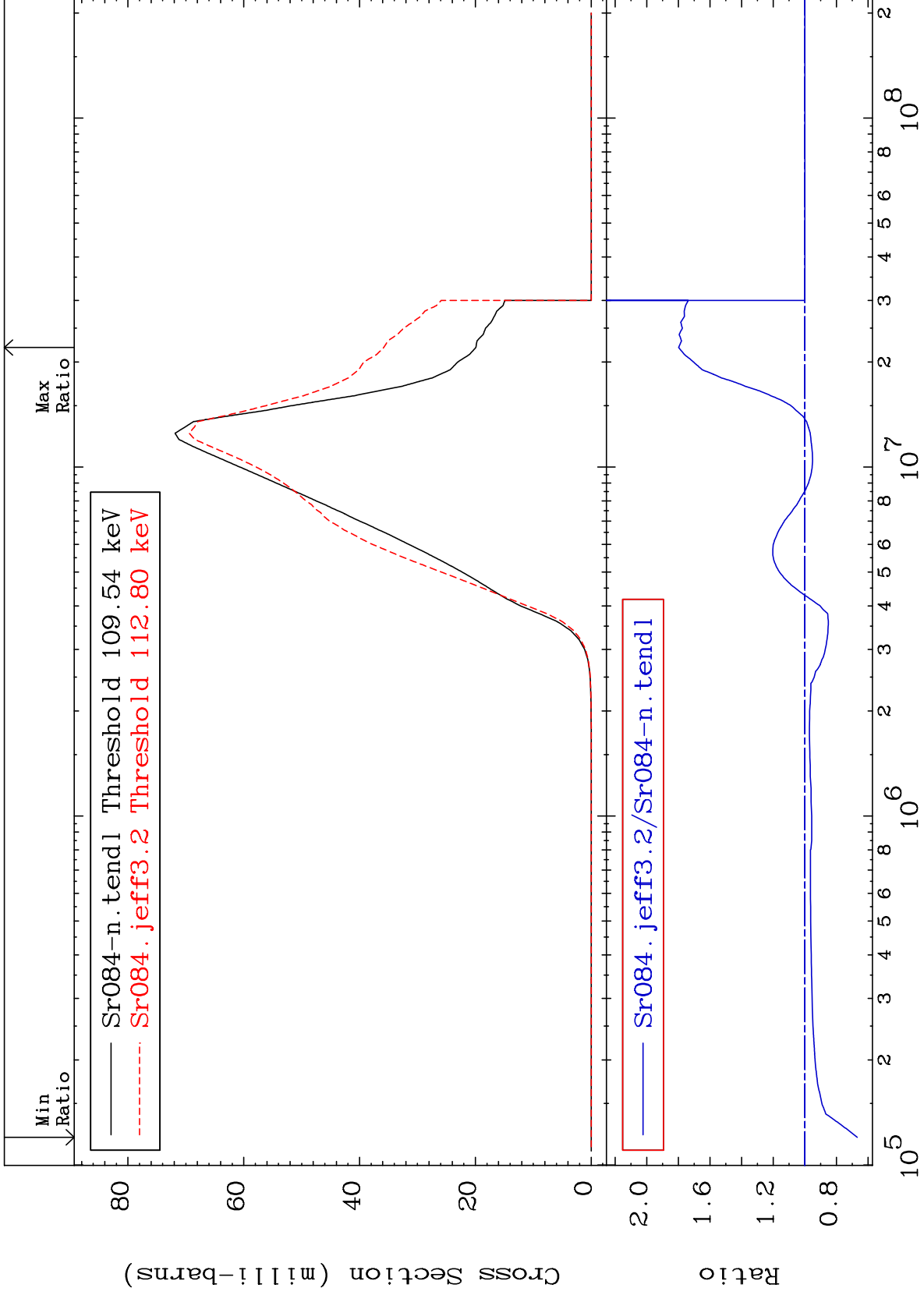


MAT 3825

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

38-Sr-84

Radionuclide Production Cross Section -33.17 To 79.81 %



93

Incident Energy (eV)

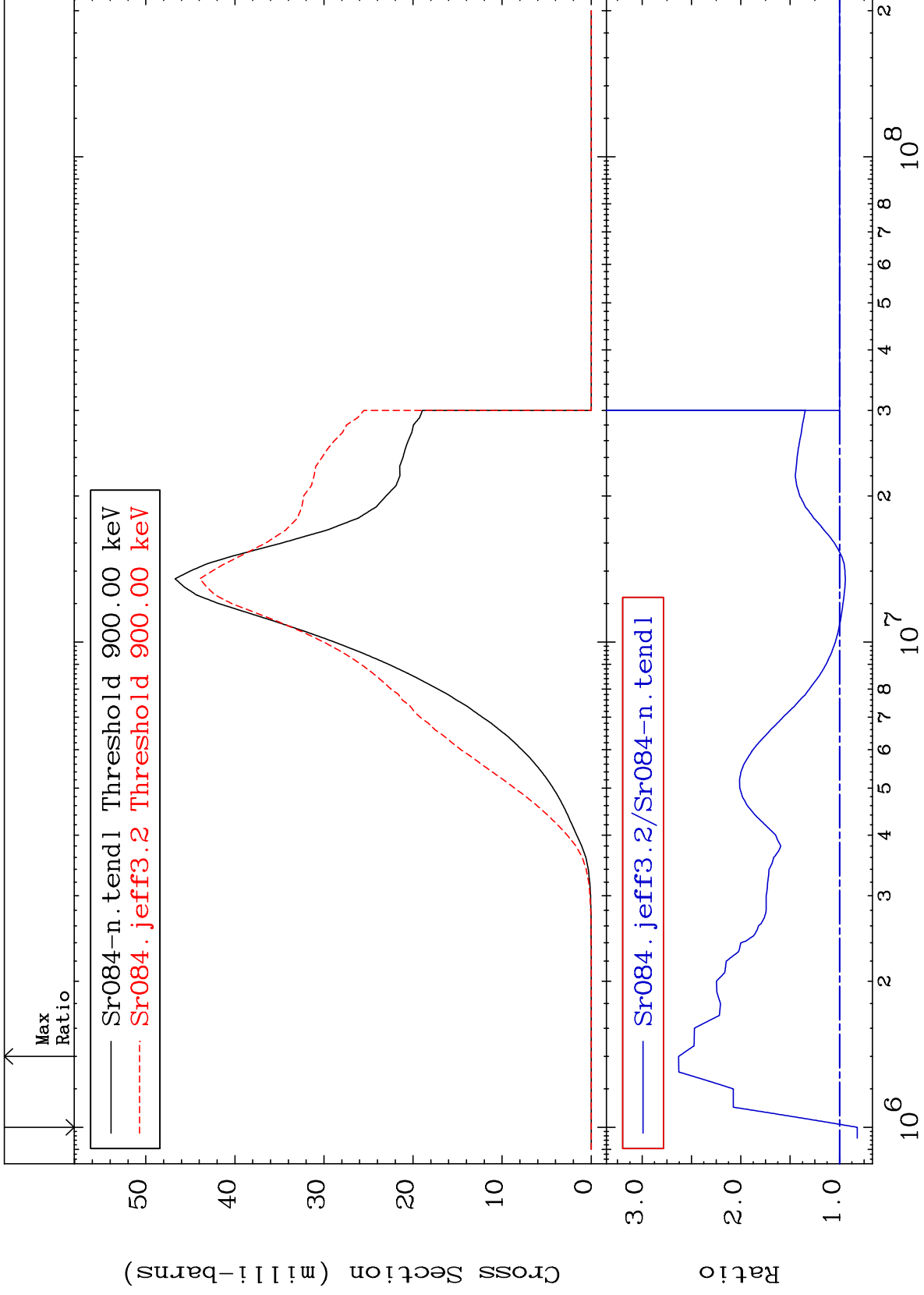
38-Sr-84

MAT 3825

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

38-Sr-84

Radionuclide Production Cross Section -18.02 To 163.0 %

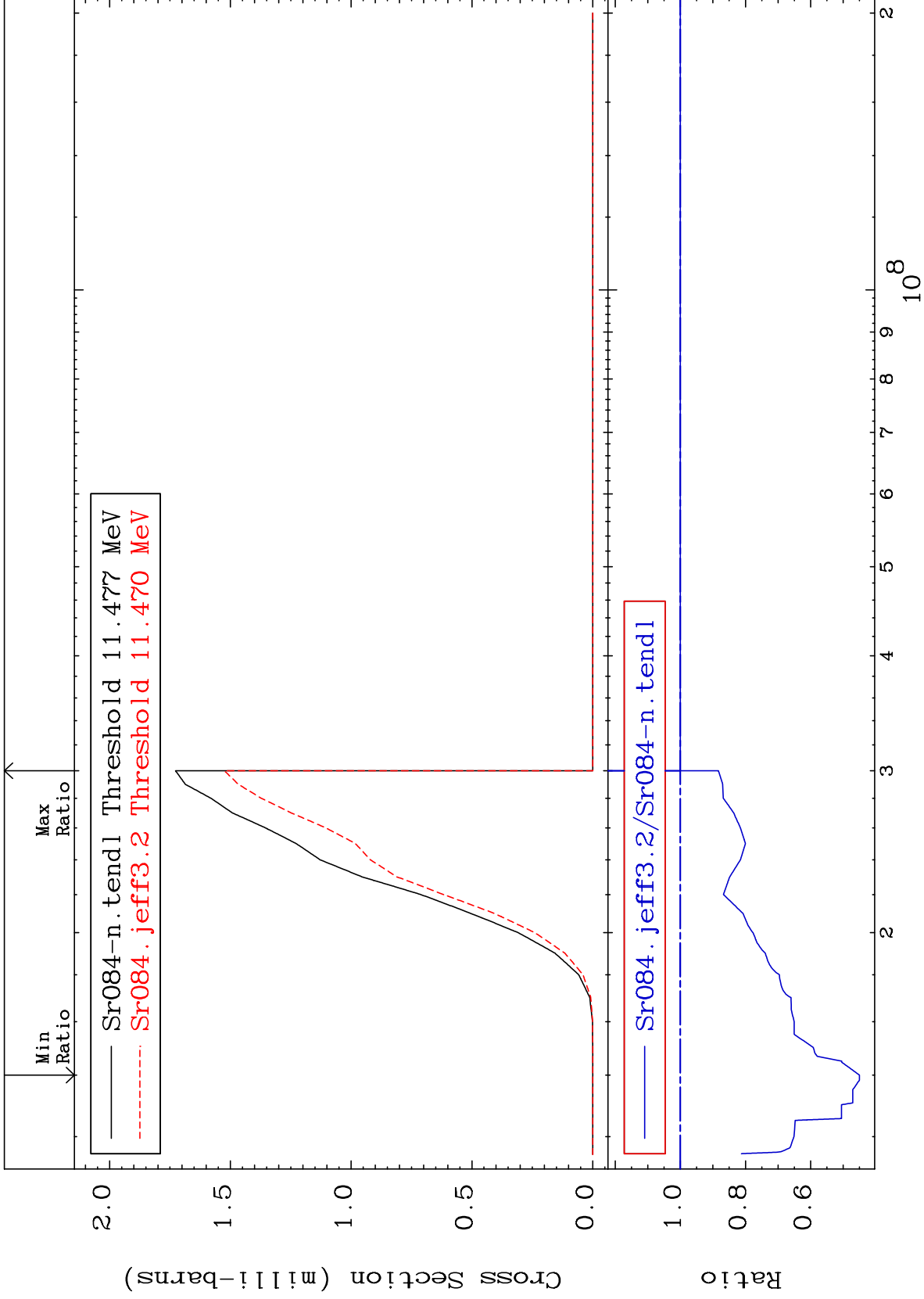


94

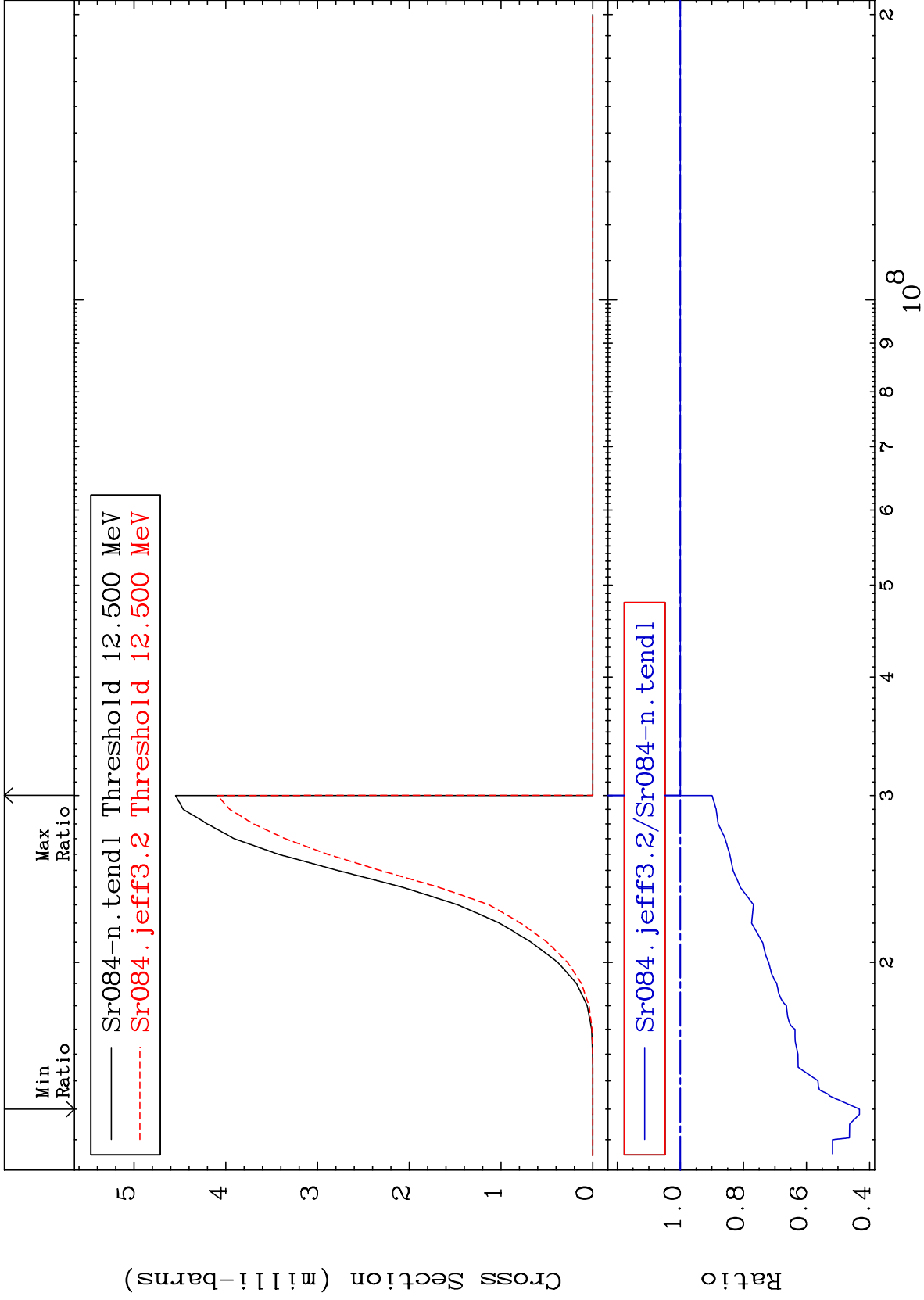
Incident Energy (eV)

38-Sr-84

Radionuclide Production Cross Section -55.00 To 0.000 %

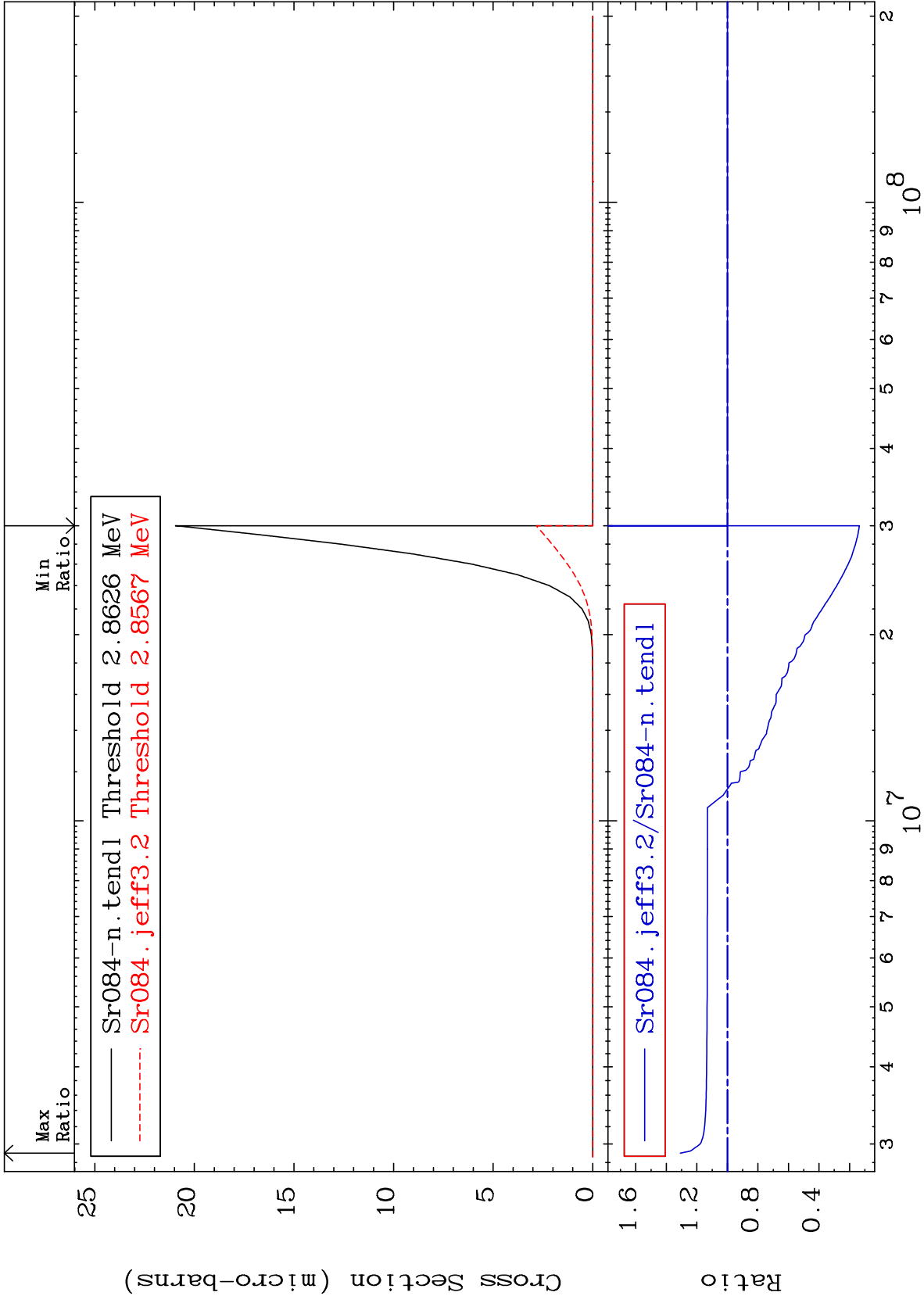


Radionuclide Production Cross Section -56.79 To 0.000 %



MAT 3825

(n,2α) : 34-Se-77g 38-Sr-84
Radionuclide Production Cross Section -86.47 To 30.81 %



97

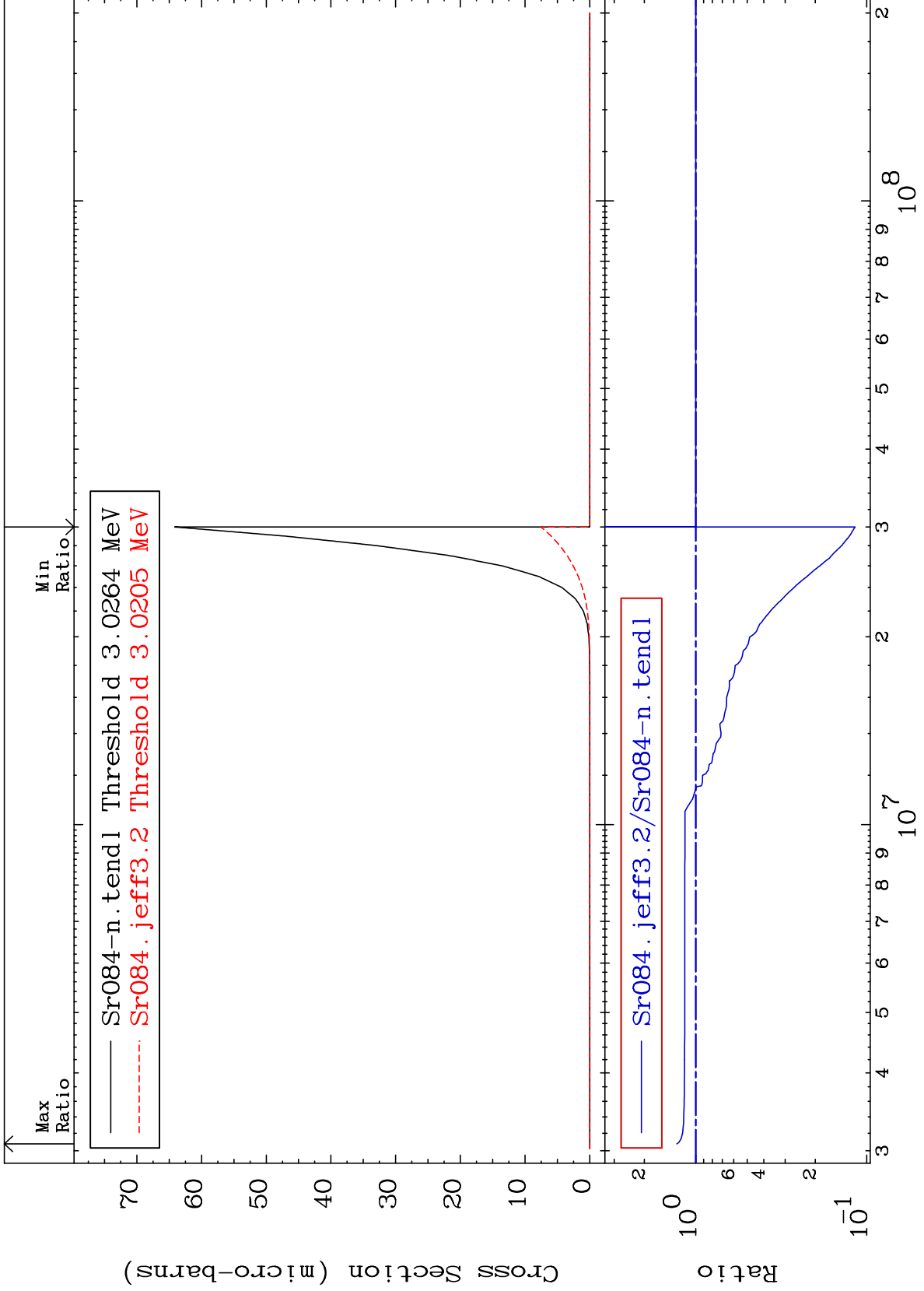
38-Sr-84

MAT 3825

(n,2α):34-Se-77m1

38-Sr-84

Radionuclide Production Cross Section -88.30 To 28.98 %

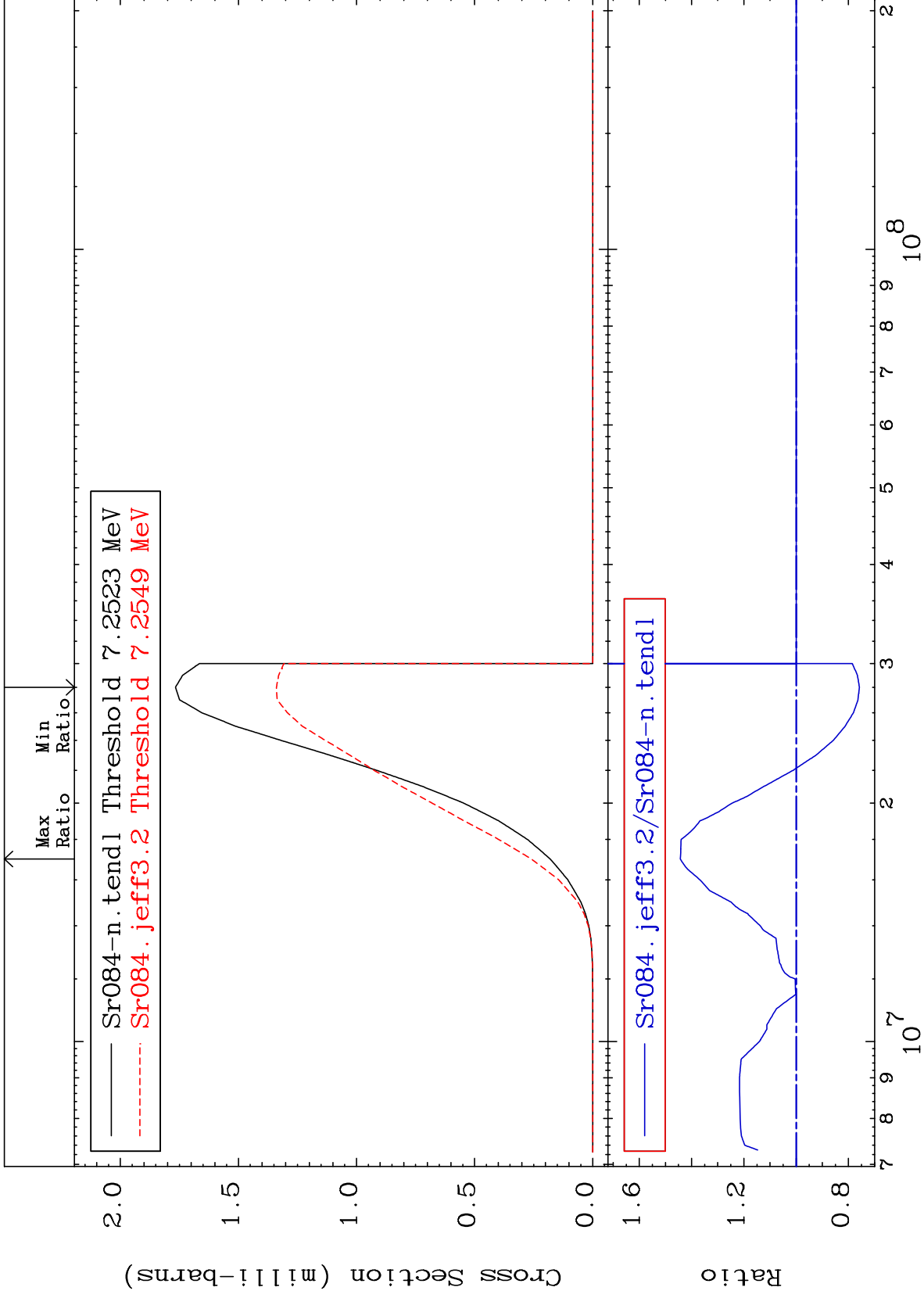


98

Incident Energy (eV)

38-Sr-84

Radionuclide Production Cross Section -24.19 To 44.29 %

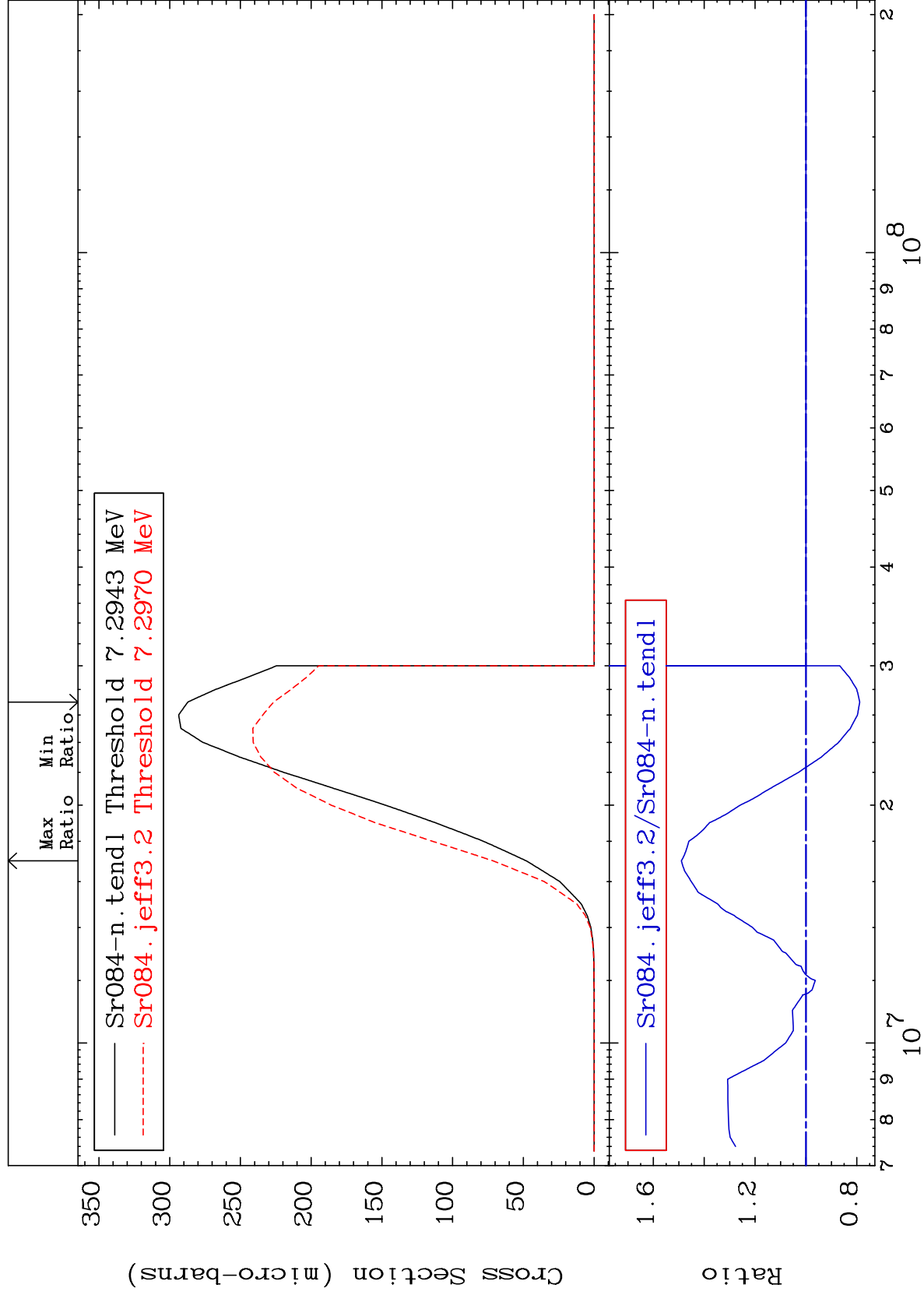


MAT 3825

(n,2p):36-Kr-83m2

38-Sr-84

Radionuclide Production Cross Section -21.11 To 49.00 %



38-Sr-84

Incident Energy (eV)

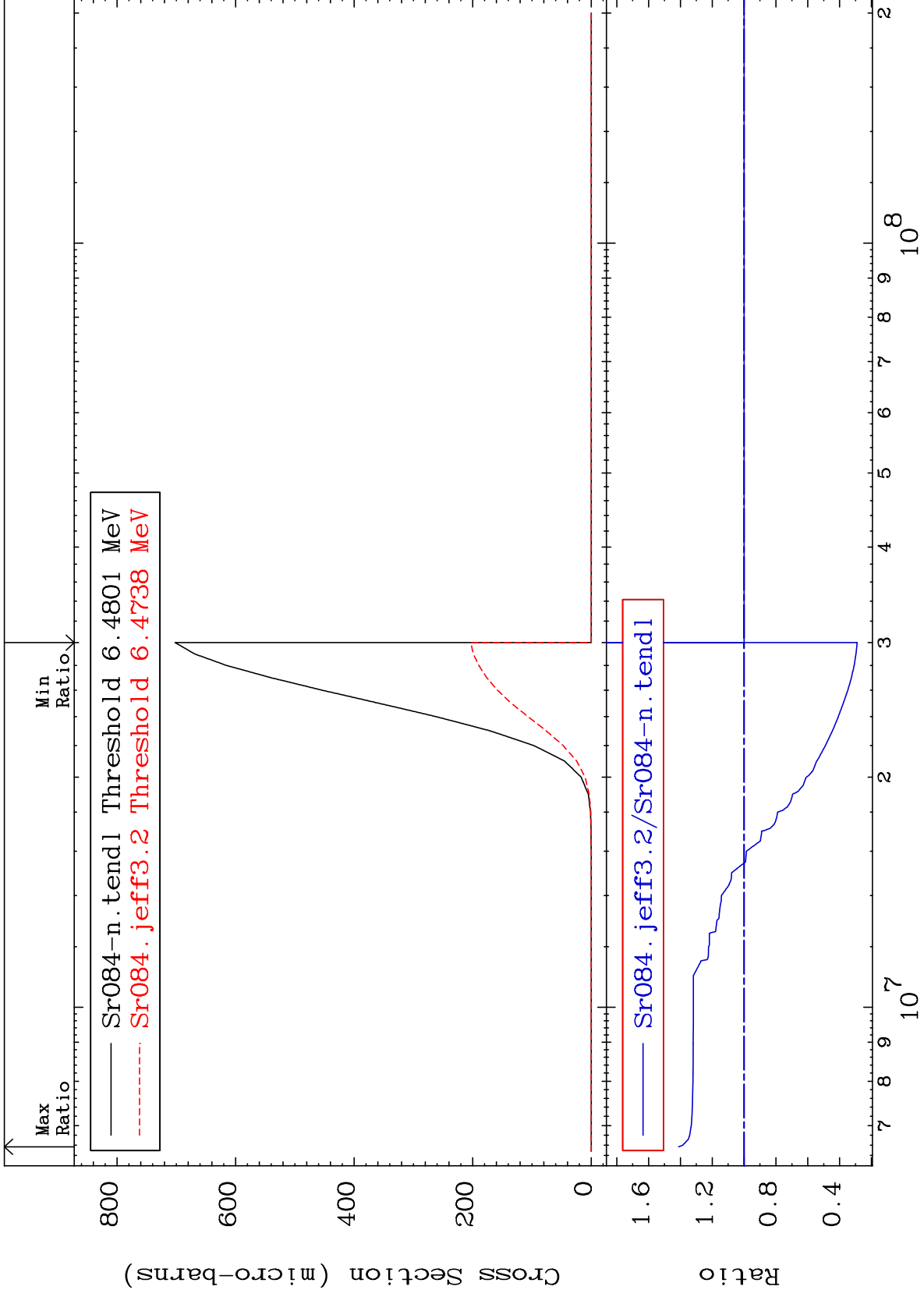
100

MAT 3825

38-Sr-84

(n, p) α : 35-Br-80g

Radionuclide Production Cross Section -71.11 To 41.14 %



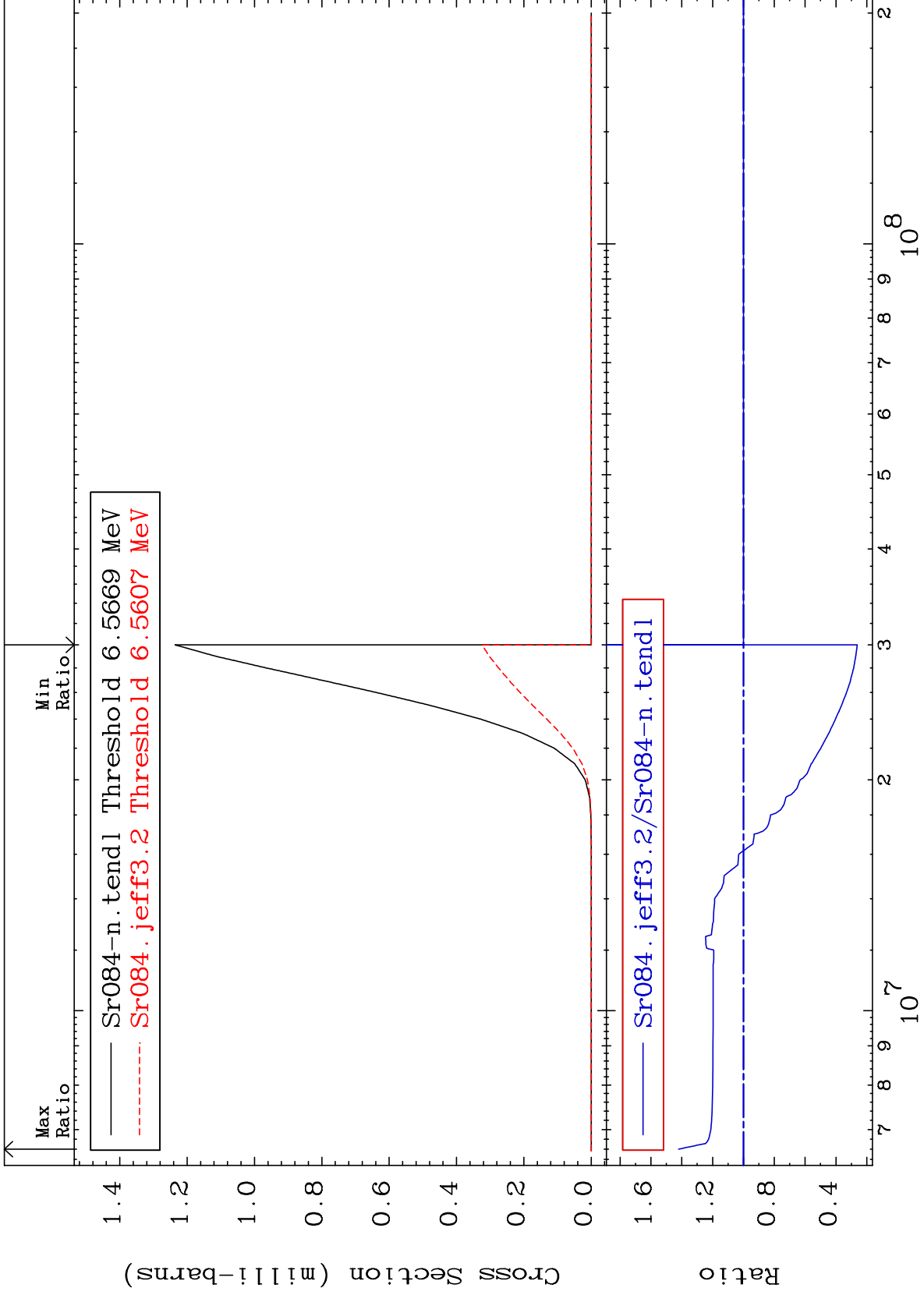
MAT 3825

(n, p) α : 35-Br-80m2

38-Sr-84

Radionuclide Production Cross Section

-73.82 To 42.04 %

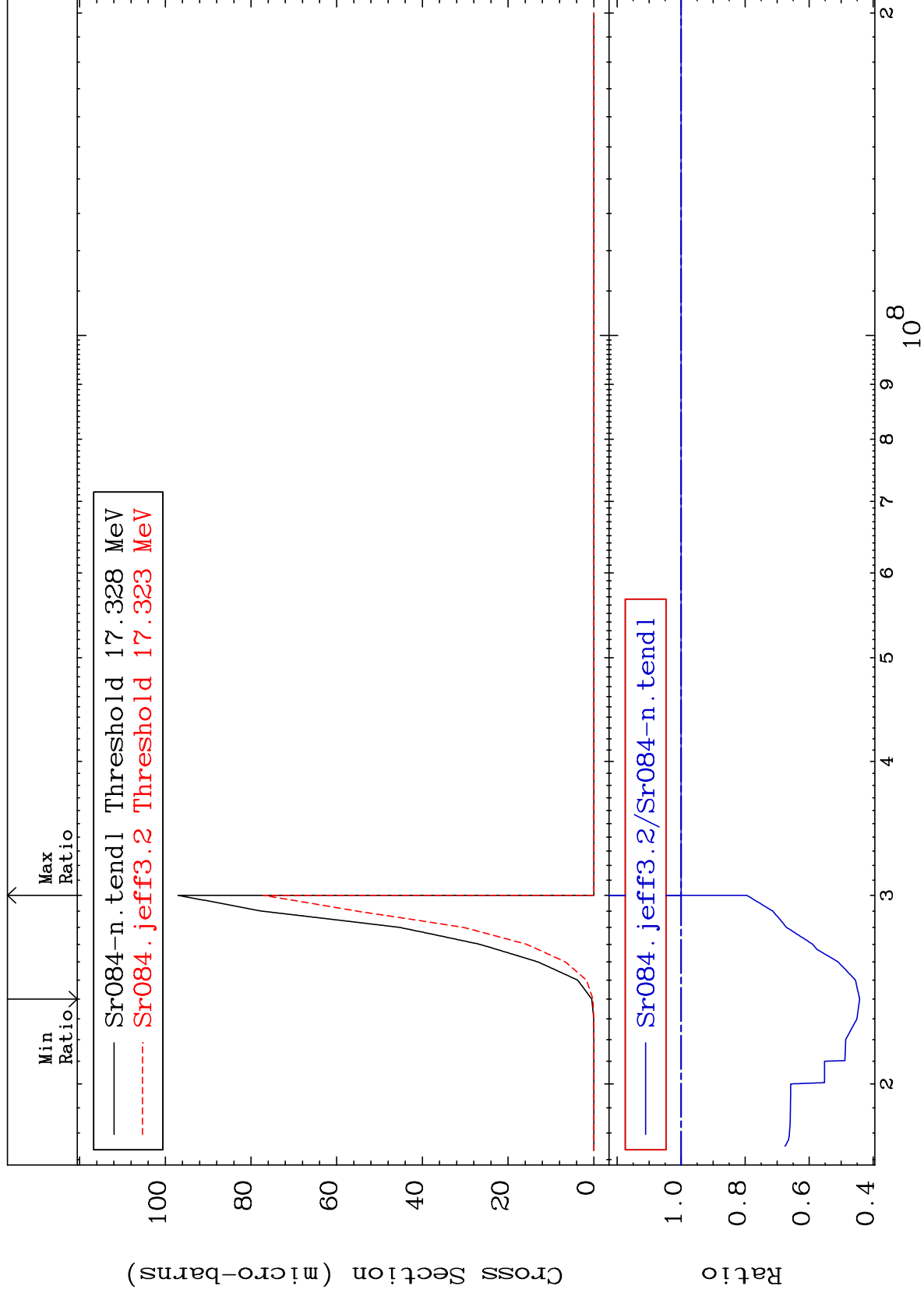


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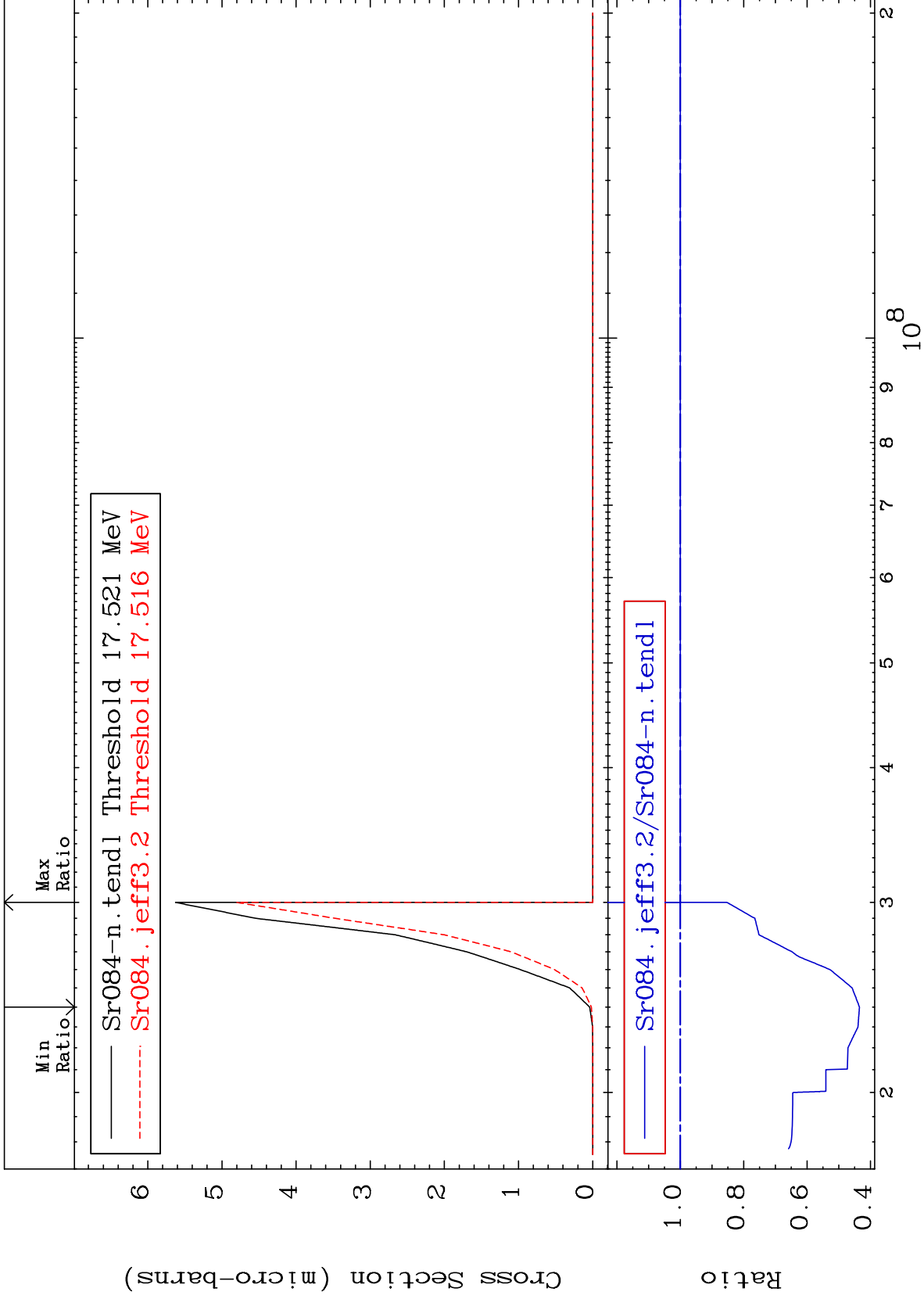
Incident Energy (eV)

38-Sr-84

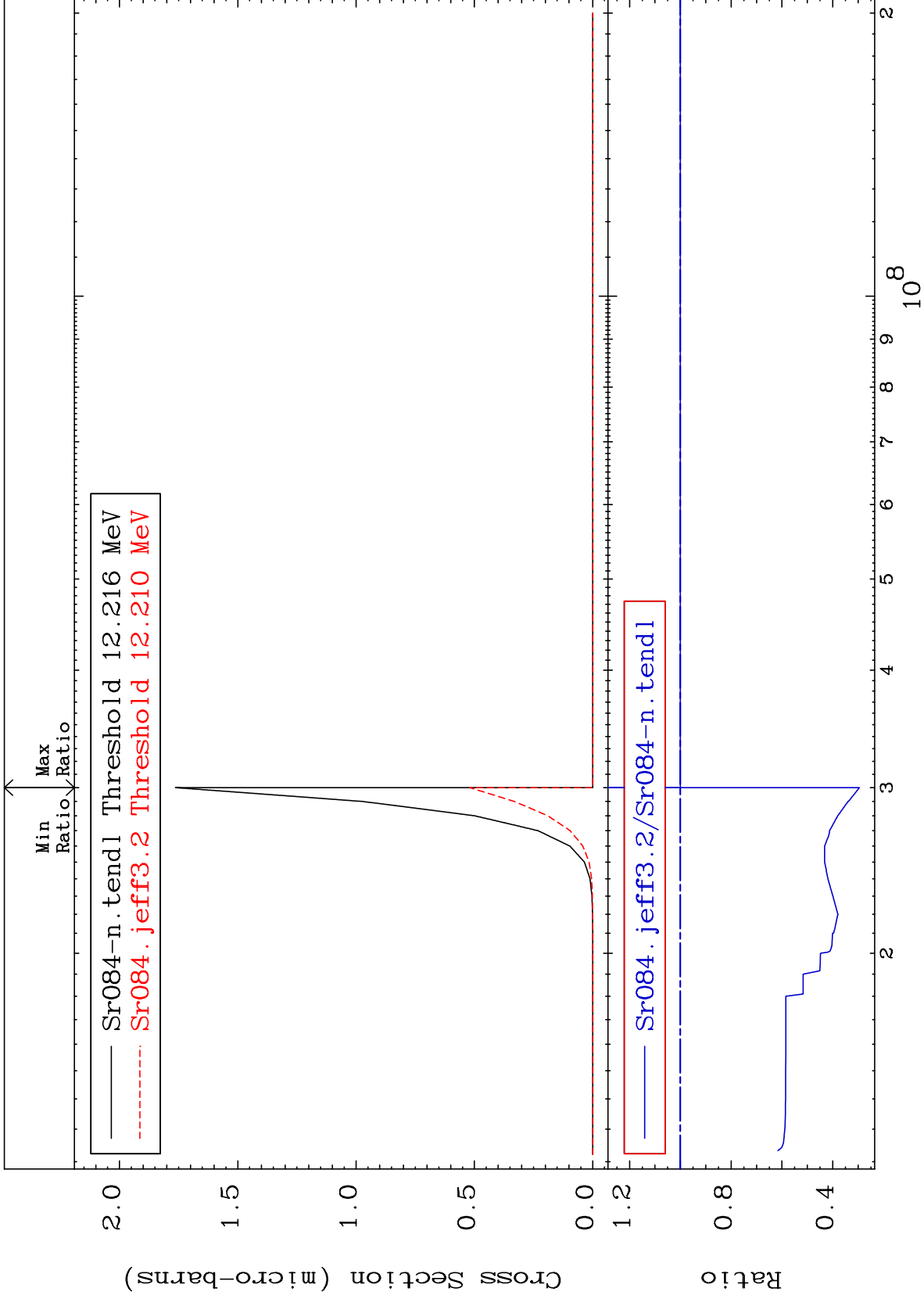
Radionuclide Production Cross Section -55.79 To 0.000 %



Radionuclide Production Cross Section -56.50 To 0.000 %



(n, d) α : 35-Br-79g
Radionuclide Production Cross Section -70.51 To 0.000 %



Radionuclide Production Cross Section -77.64 To 0.000 %

