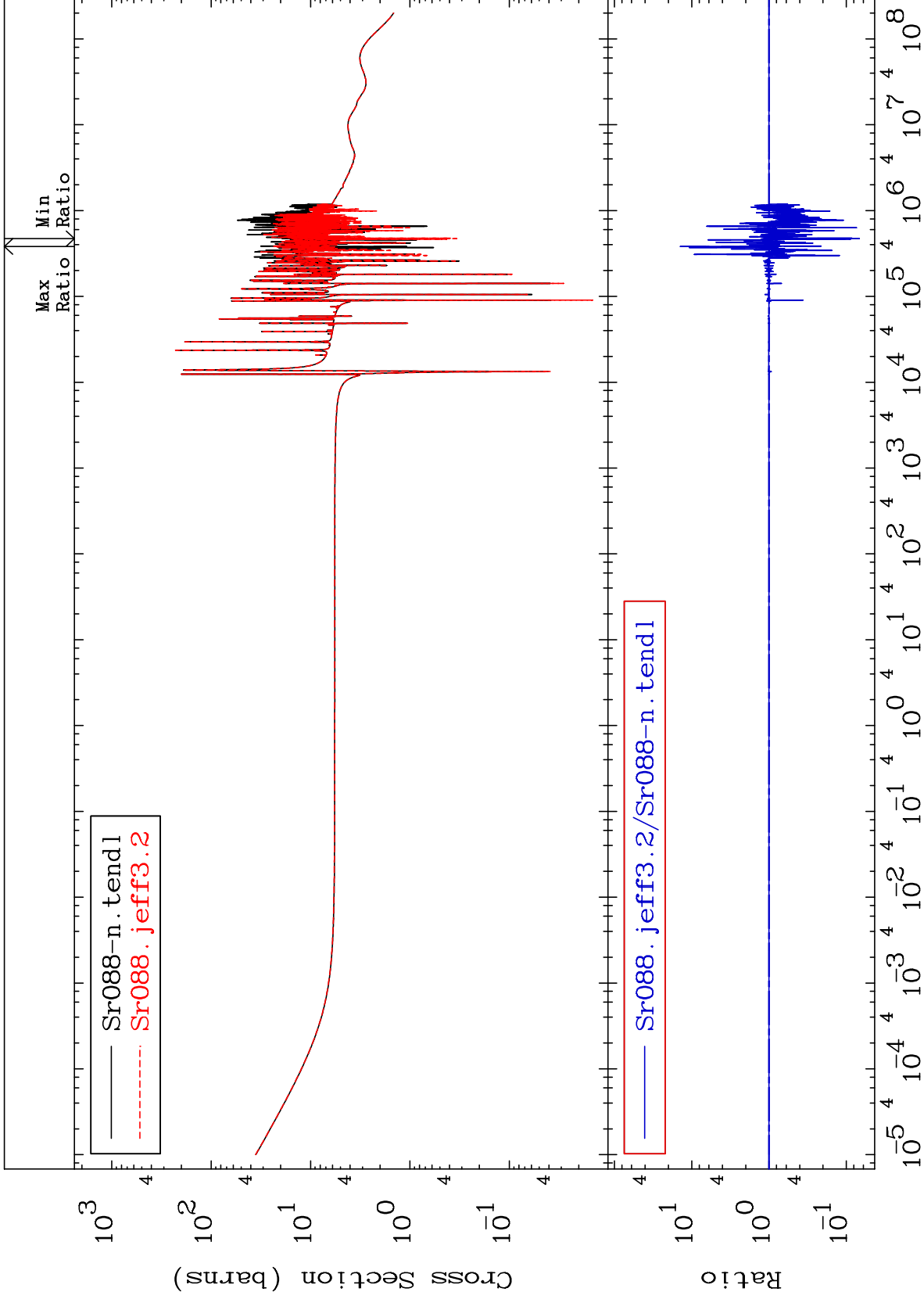


MAT 3837

Total
Cross Section

38-Sr-88
-93.24 To 1302. %



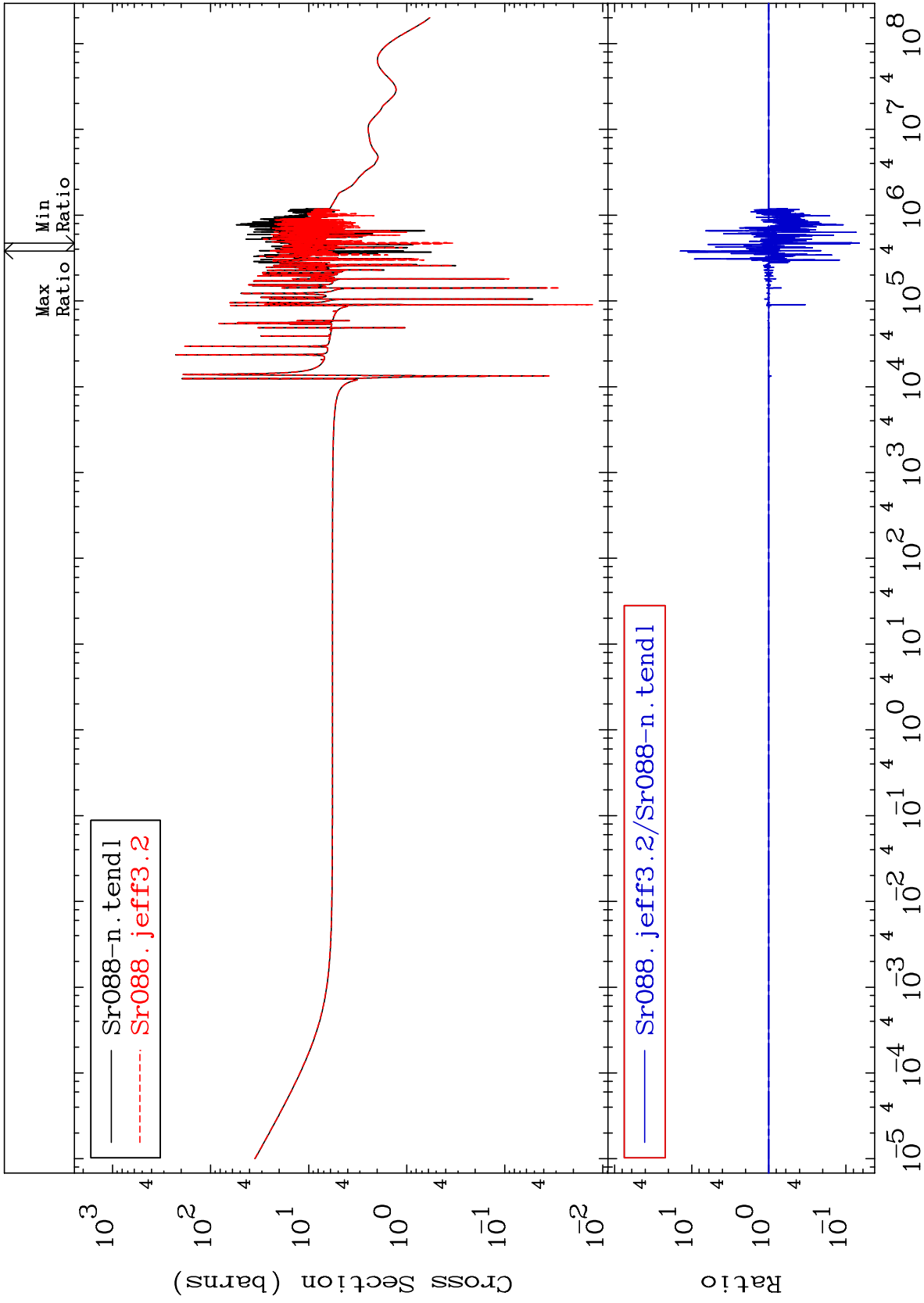
Incident Energy (eV)

38-Sr-88

MAT 3837

Elastic
Cross Section

38-Sr-88
-93.32 To 1303. %



2

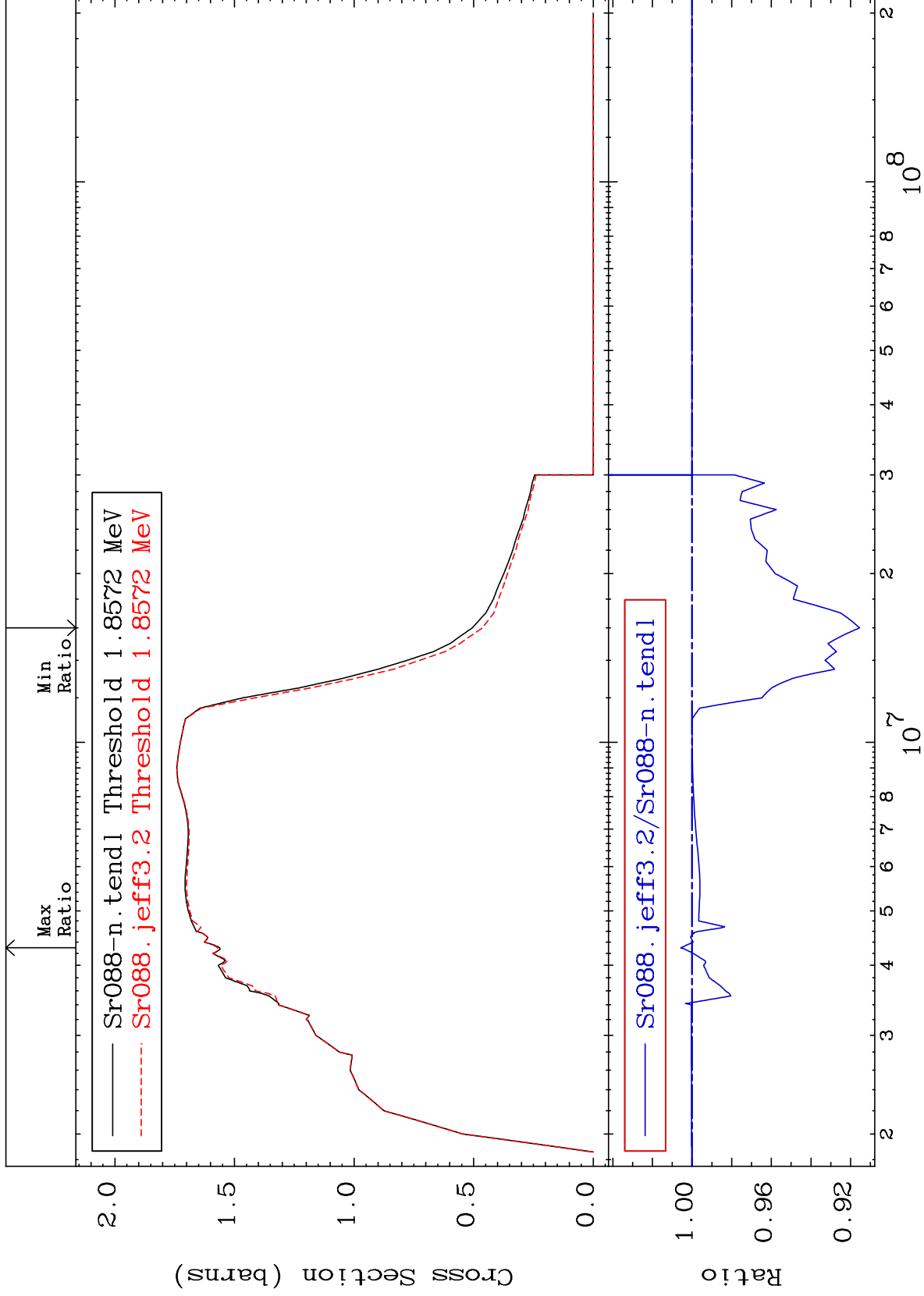
Incident Energy (eV)

38-Sr-88

MAT 3837

Inelastic
Cross Section

38-Sr-88
-8.453 To 0.569 %



3

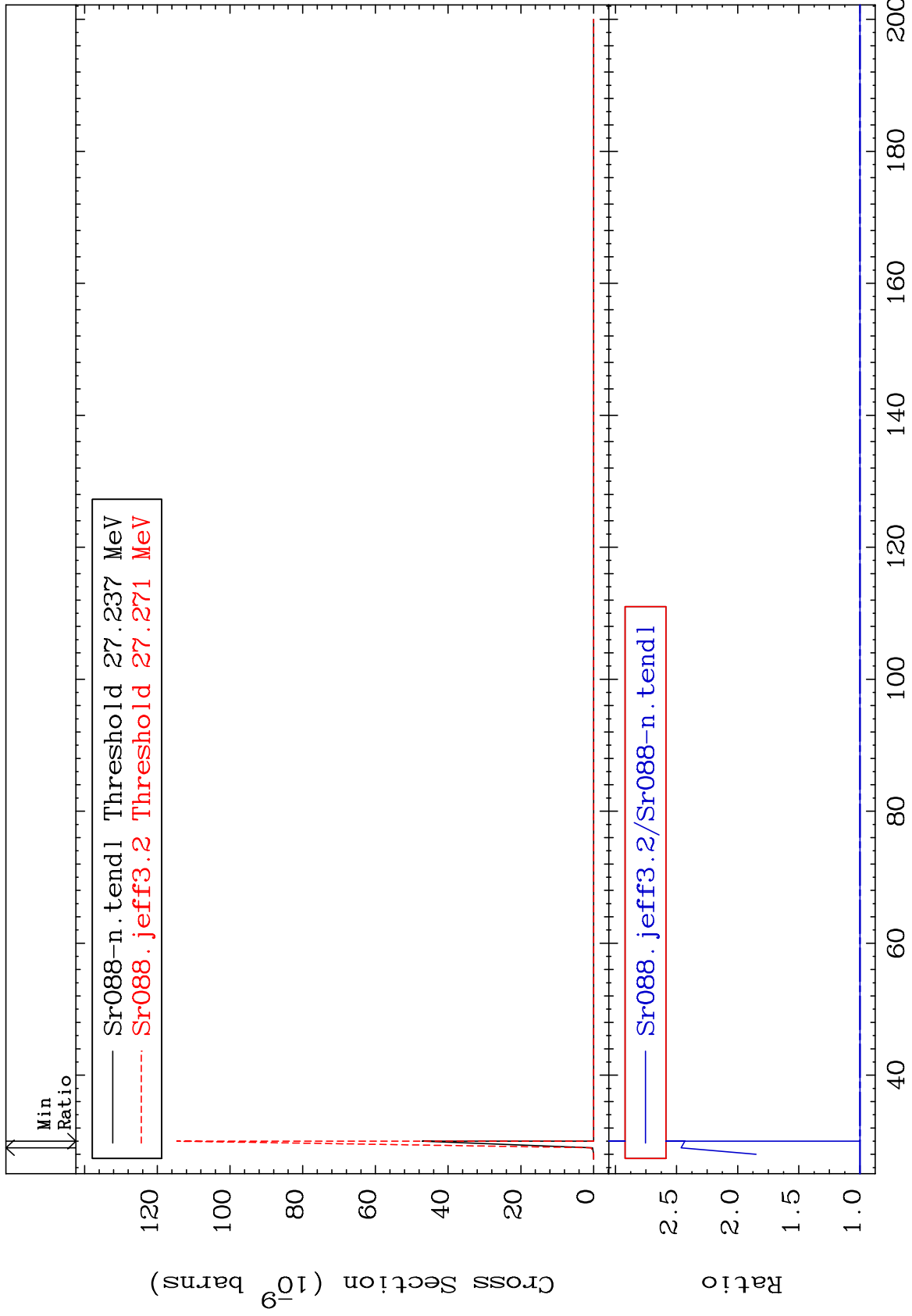
Incident Energy (eV)

38-Sr-88

MAT 3837

(n,2n) d
Cross Section

38-Sr-88
To 146.3 %
0.000



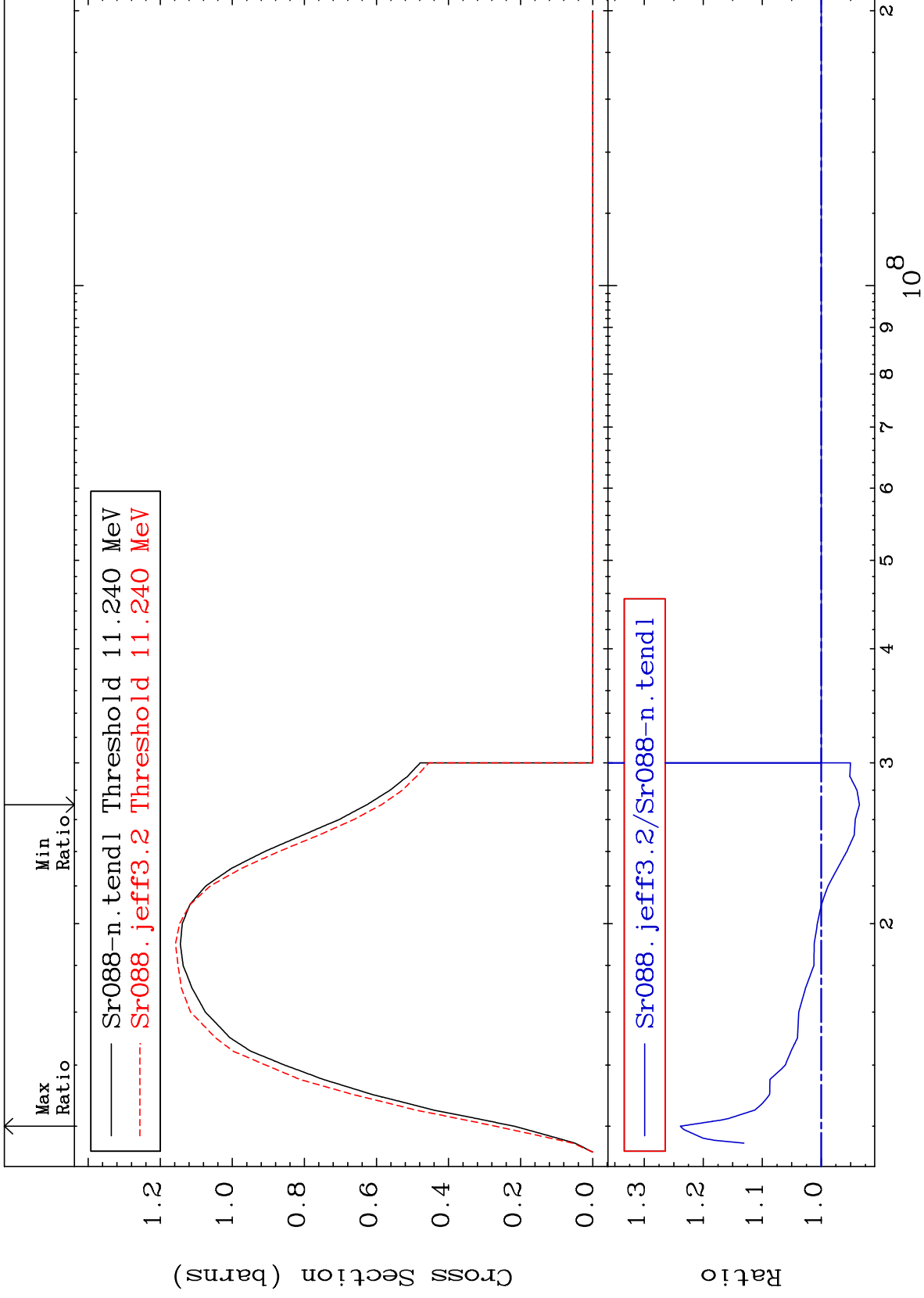
MAT 3837

(n,2n)

38-Sr-88

Cross Section

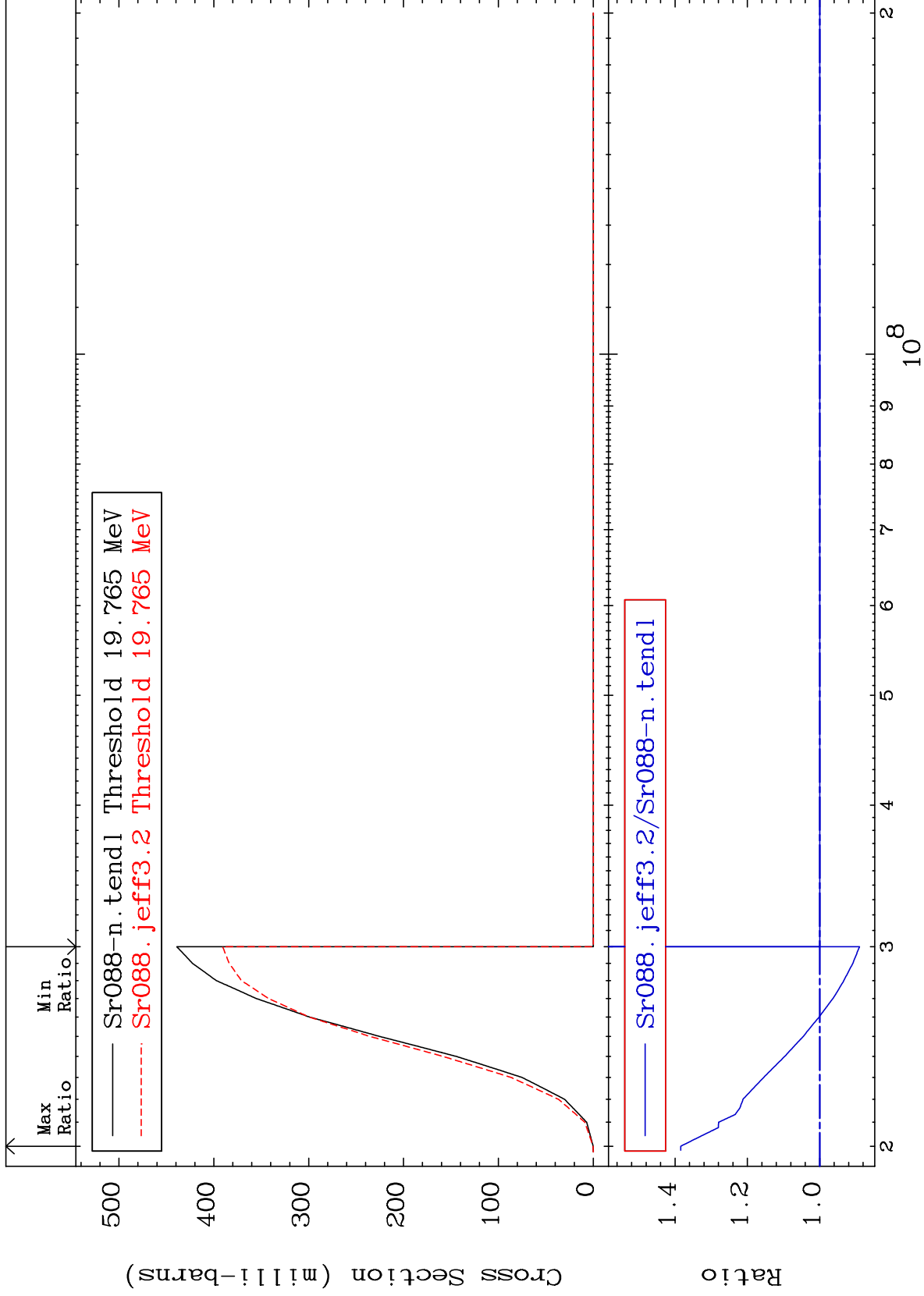
-6.488 To 23.89 %



MAT 3837

(n,3n)
Cross Section

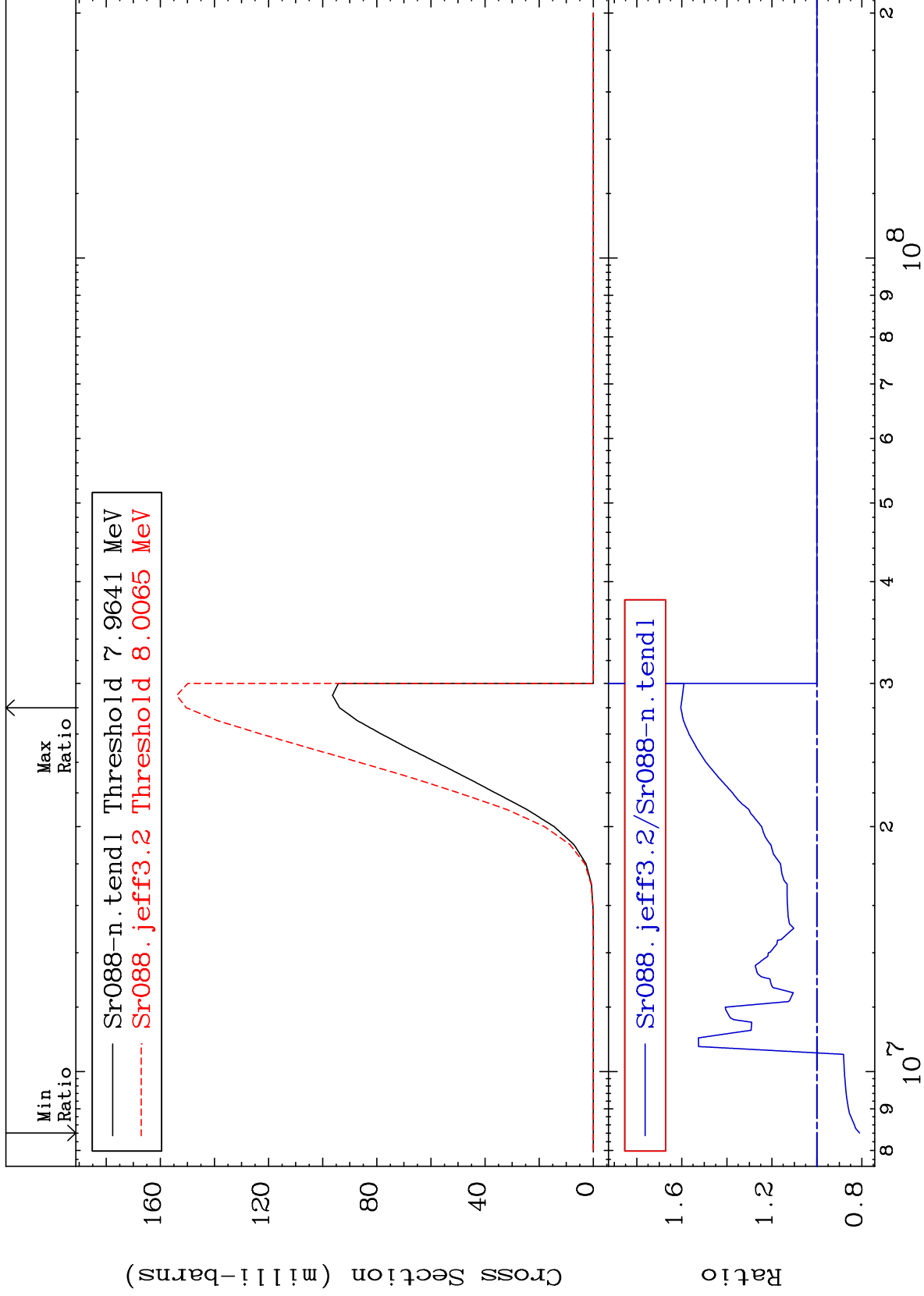
38-Sr-88
-11.01 To 38.41 %



MAT 3837

(n,n') α
Cross Section

38-Sr-88
-18.94 To 60.47 %



7

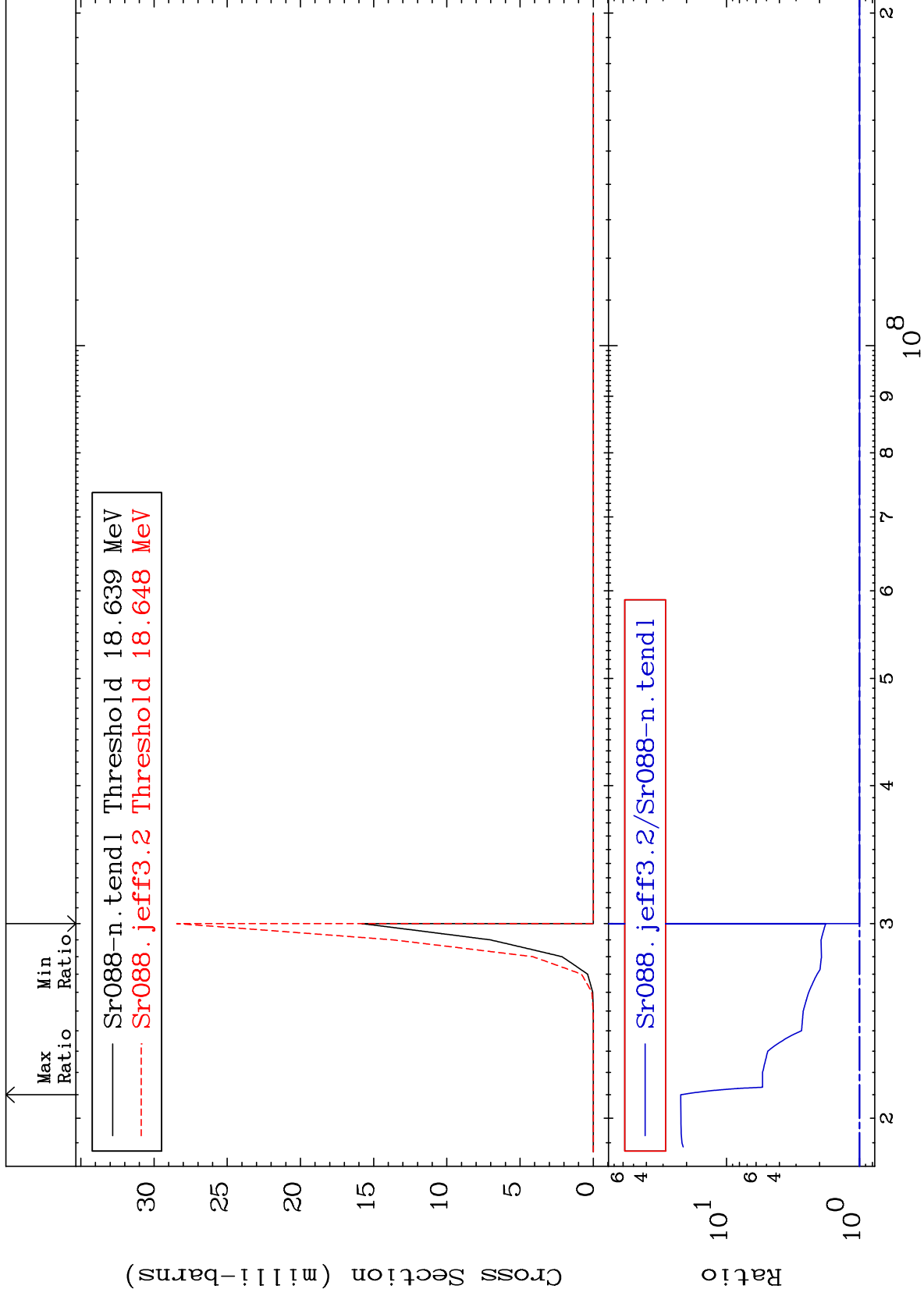
Incident Energy (eV)

38-Sr-88

MAT 3837

(n,2n) α
Cross Section

38-Sr-88
To 2108. %
0.000



8

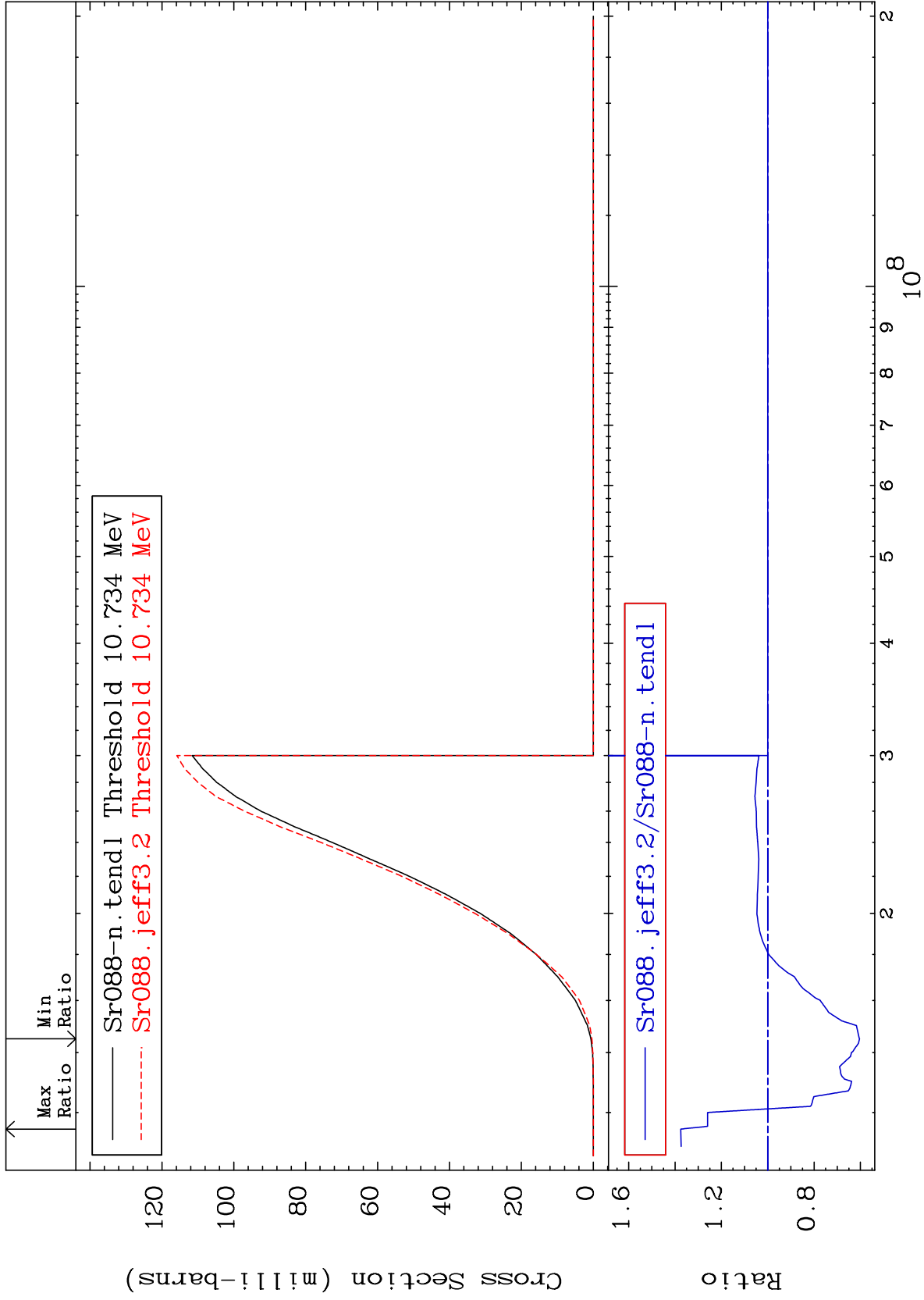
Incident Energy (eV)

38-Sr-88

MAT 3837

(n,n') p
Cross Section

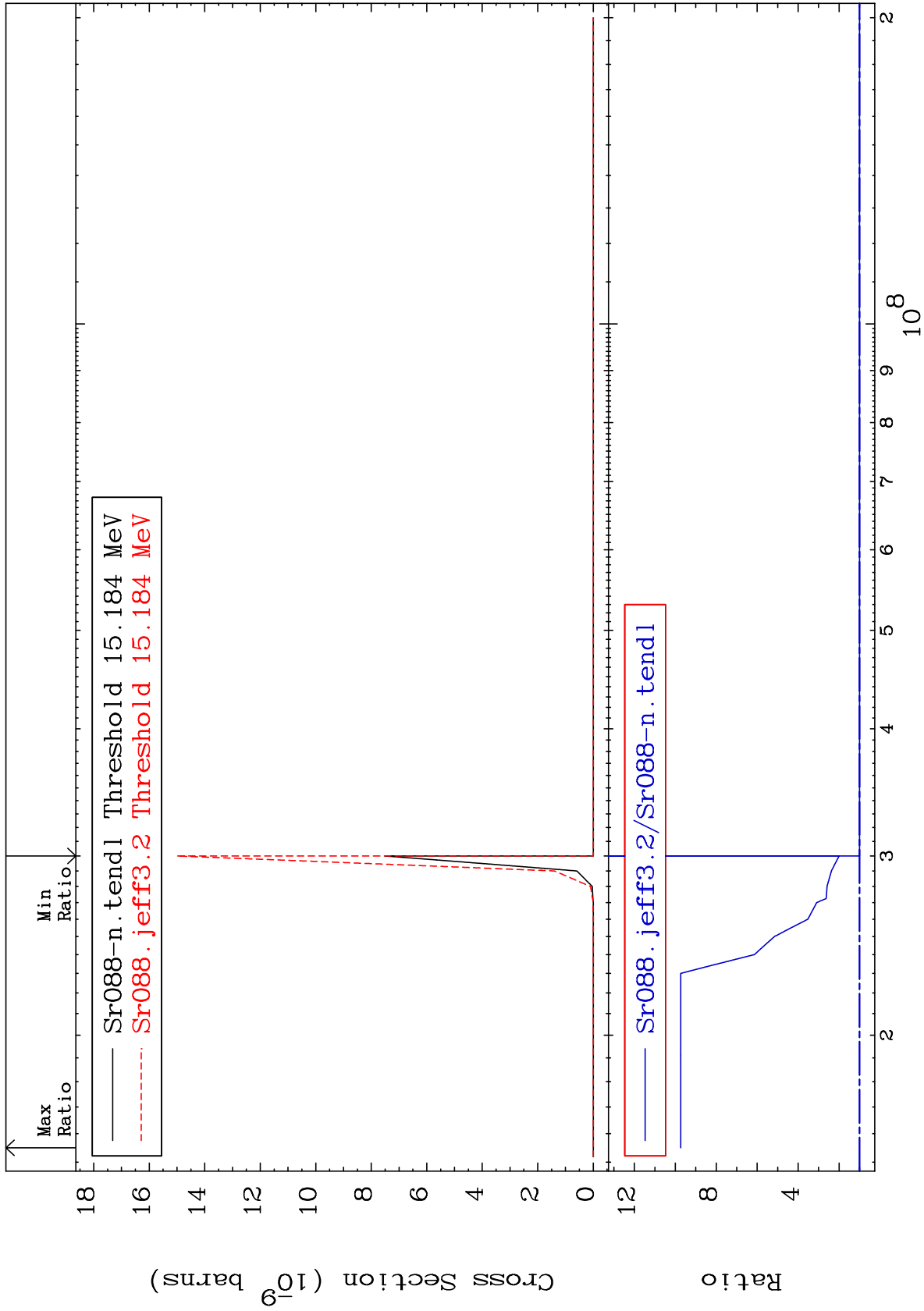
38-Sr-88
-39.62 To 37.52 %



MAT 3837

(n, n') 2α
Cross Section

38-Sr-88
0.000 To 873.5 %



10

Incident Energy (eV)

38-Sr-88

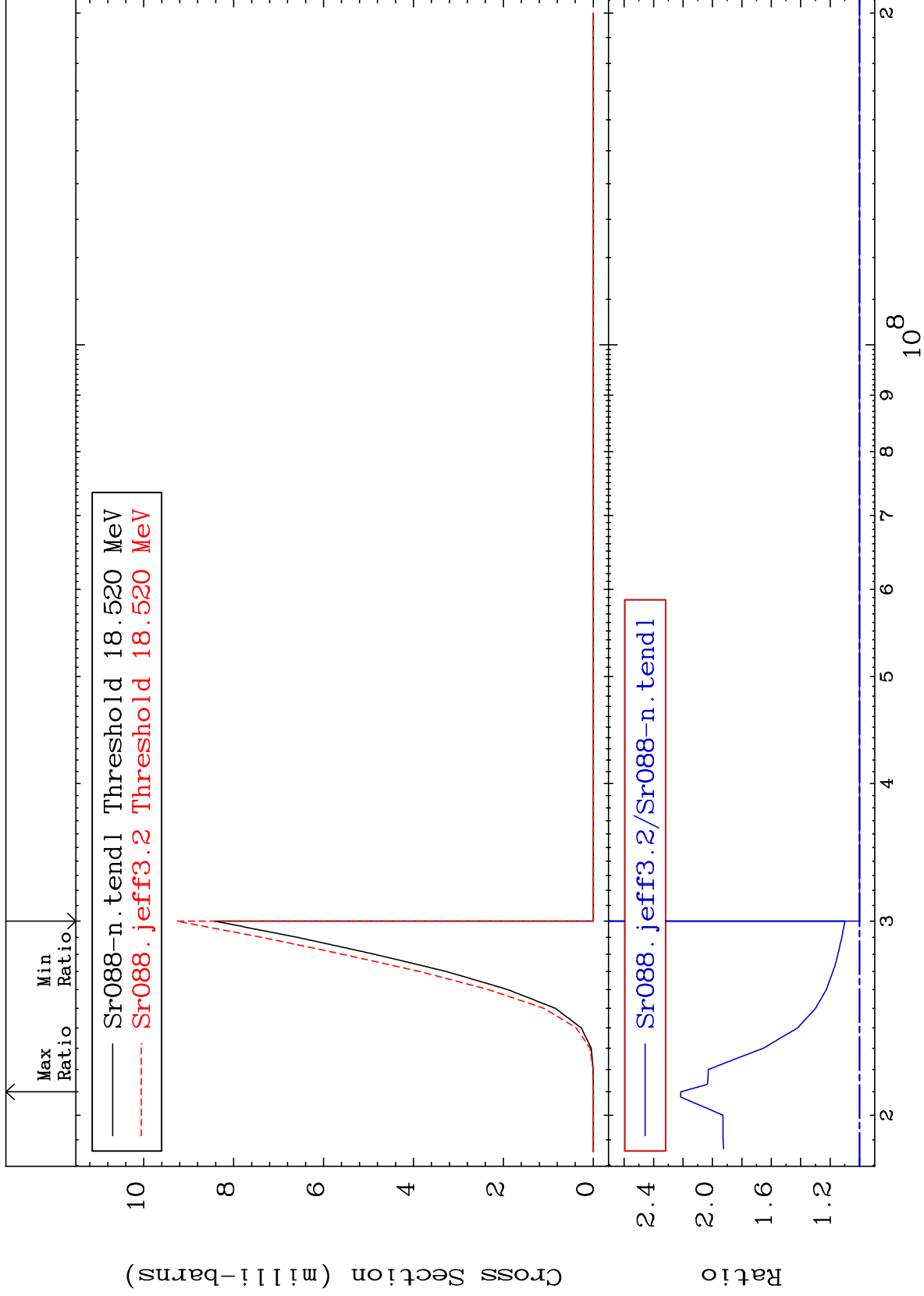
MAT 3837

(n,n') d

³⁸Sr-88

Cross Section

0.000 To 121.5 %



11

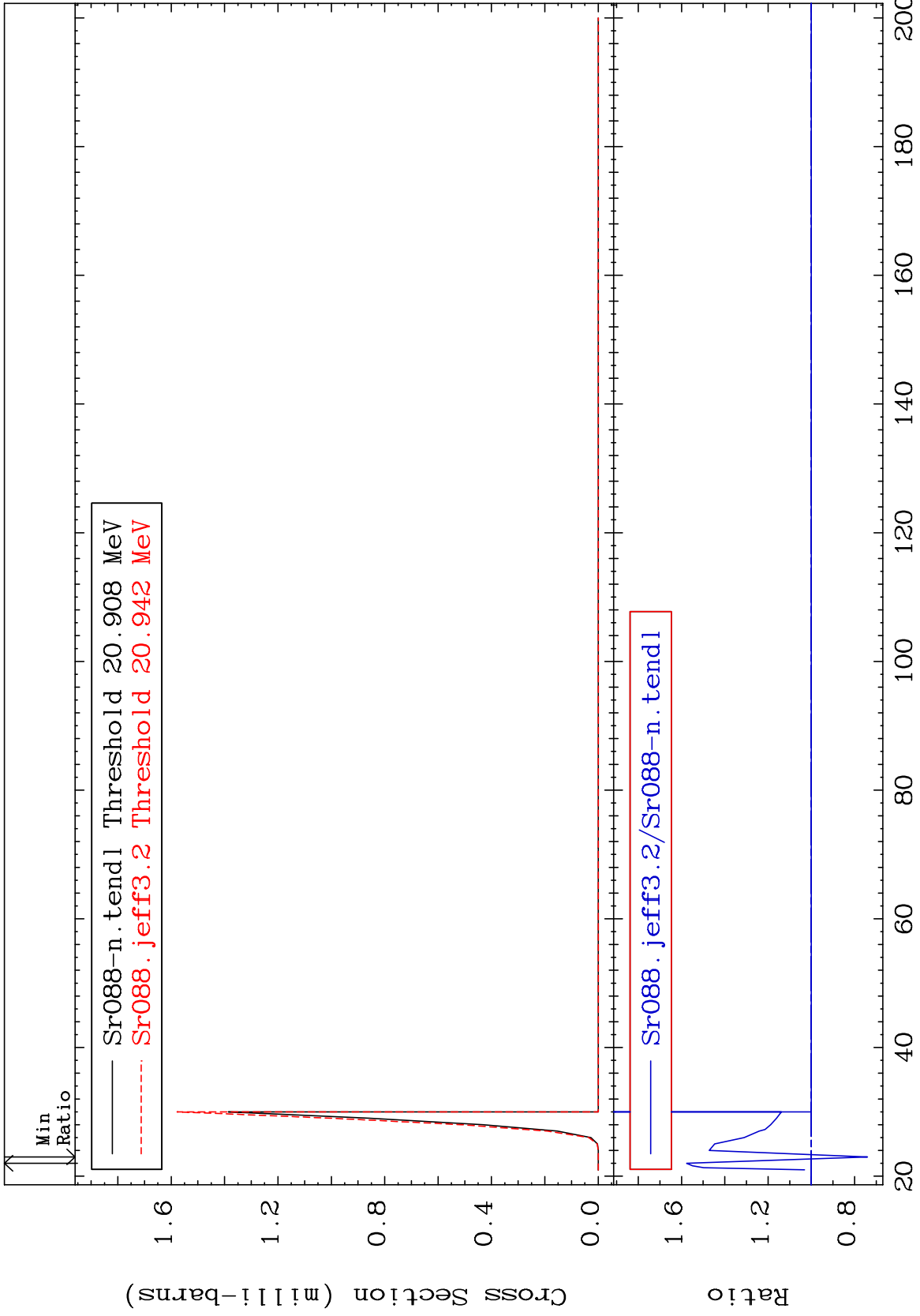
Incident Energy (eV)

³⁸Sr-88

MAT 3837

(n,n') t
Cross Section

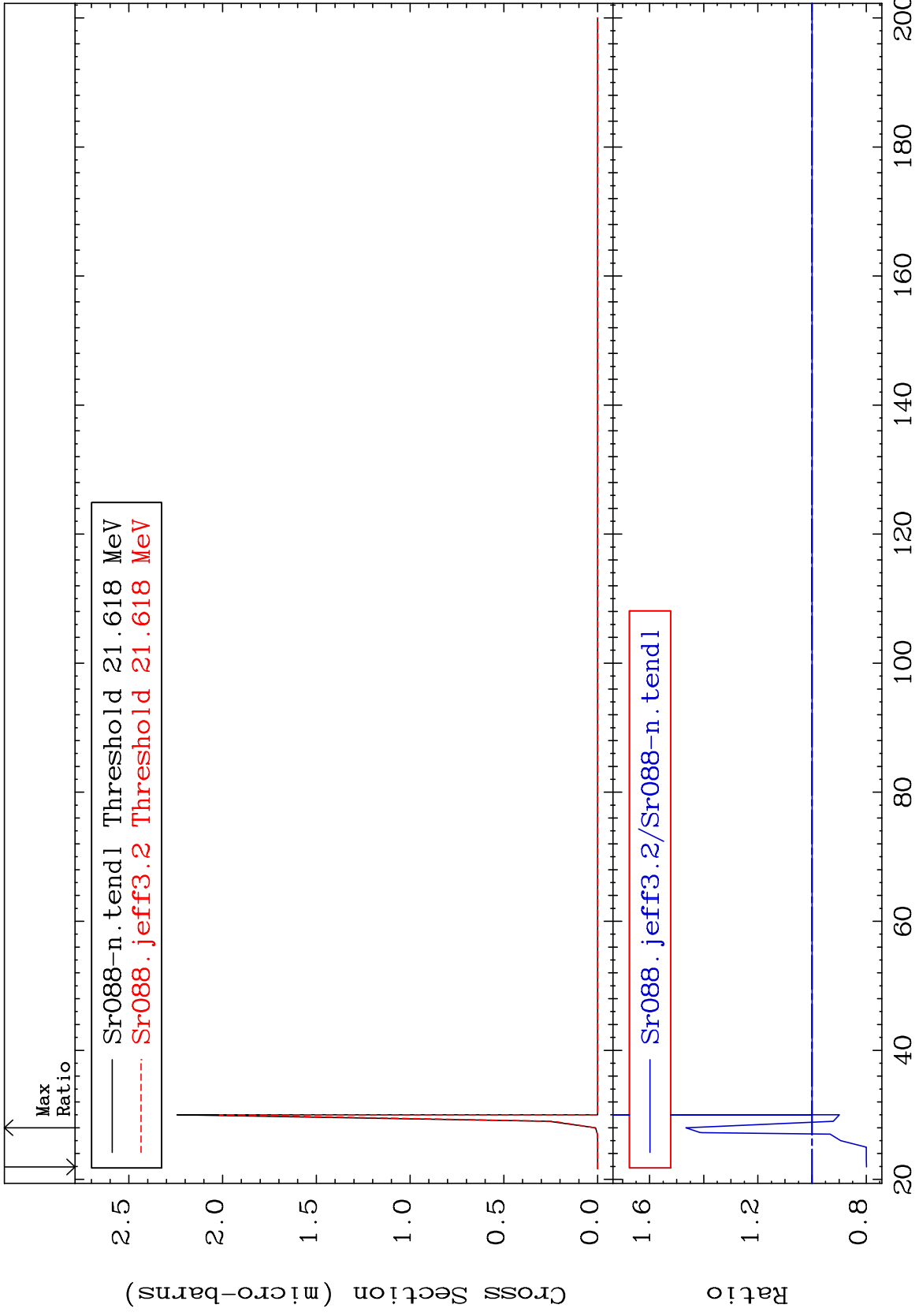
38-Sr-88
-25.94 To 57.60 %



MAT 3837

(n, n') He-3
Cross Section

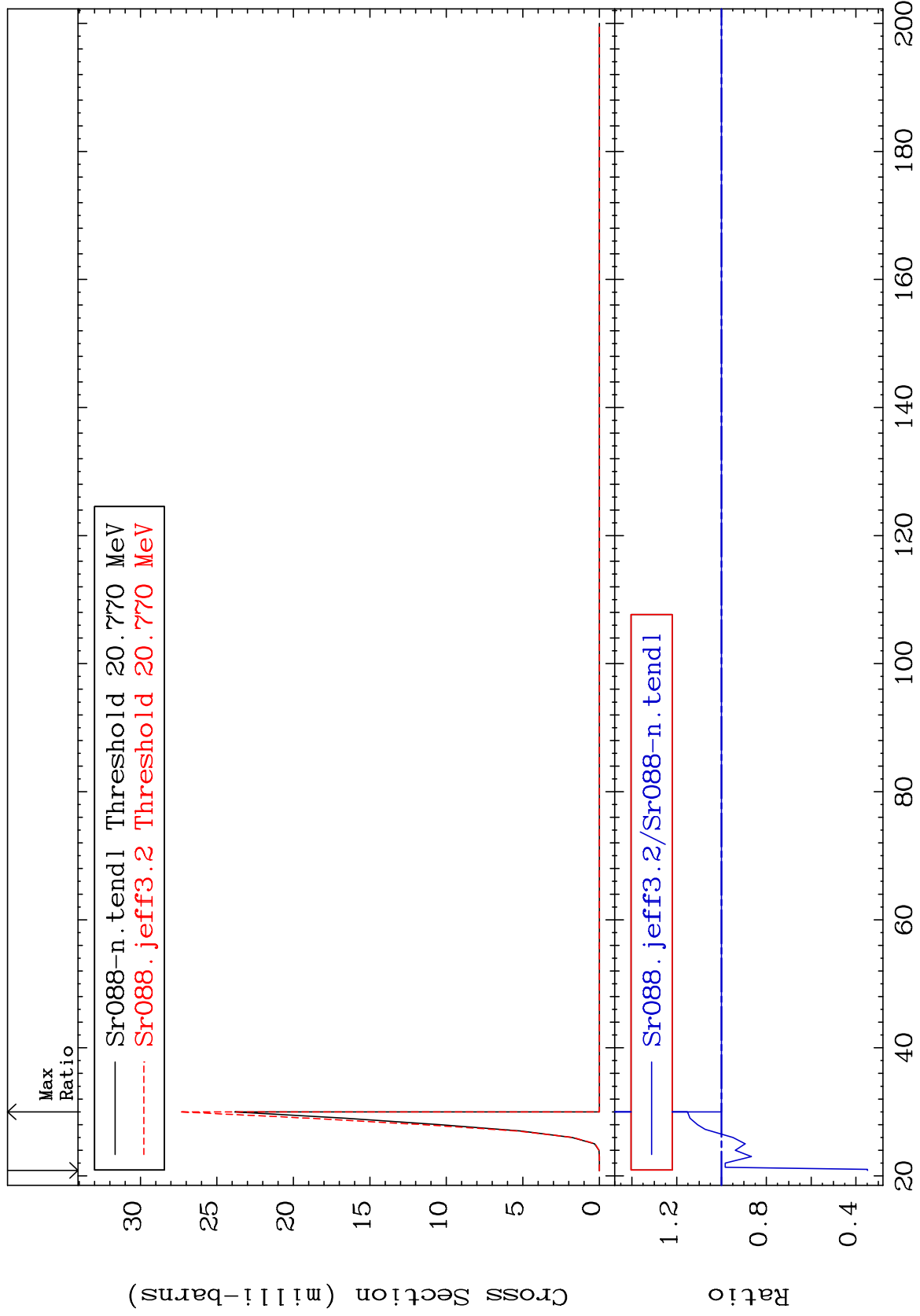
38-Sr-88
-20.11 To 46.58 %



MAT 3837

(n,2n) p
Cross Section

³⁸Sr-88
-65.22 To 15.18 %



14

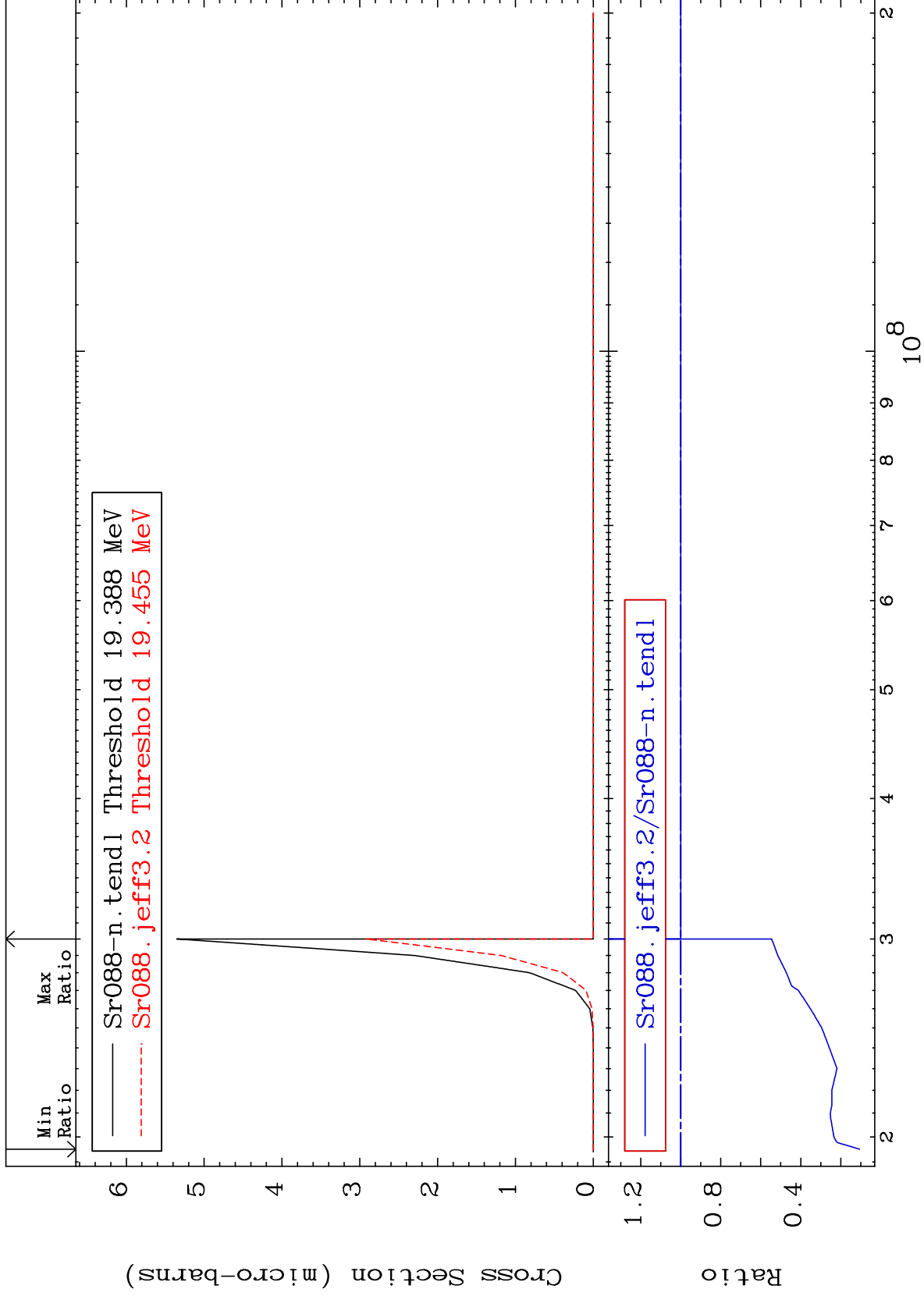
Incident Energy (MeV)

³⁸Sr-88

MAT 3837

(n,2n) p
Cross Section

38-Sr-88
-89.41 To 0.000 %



15

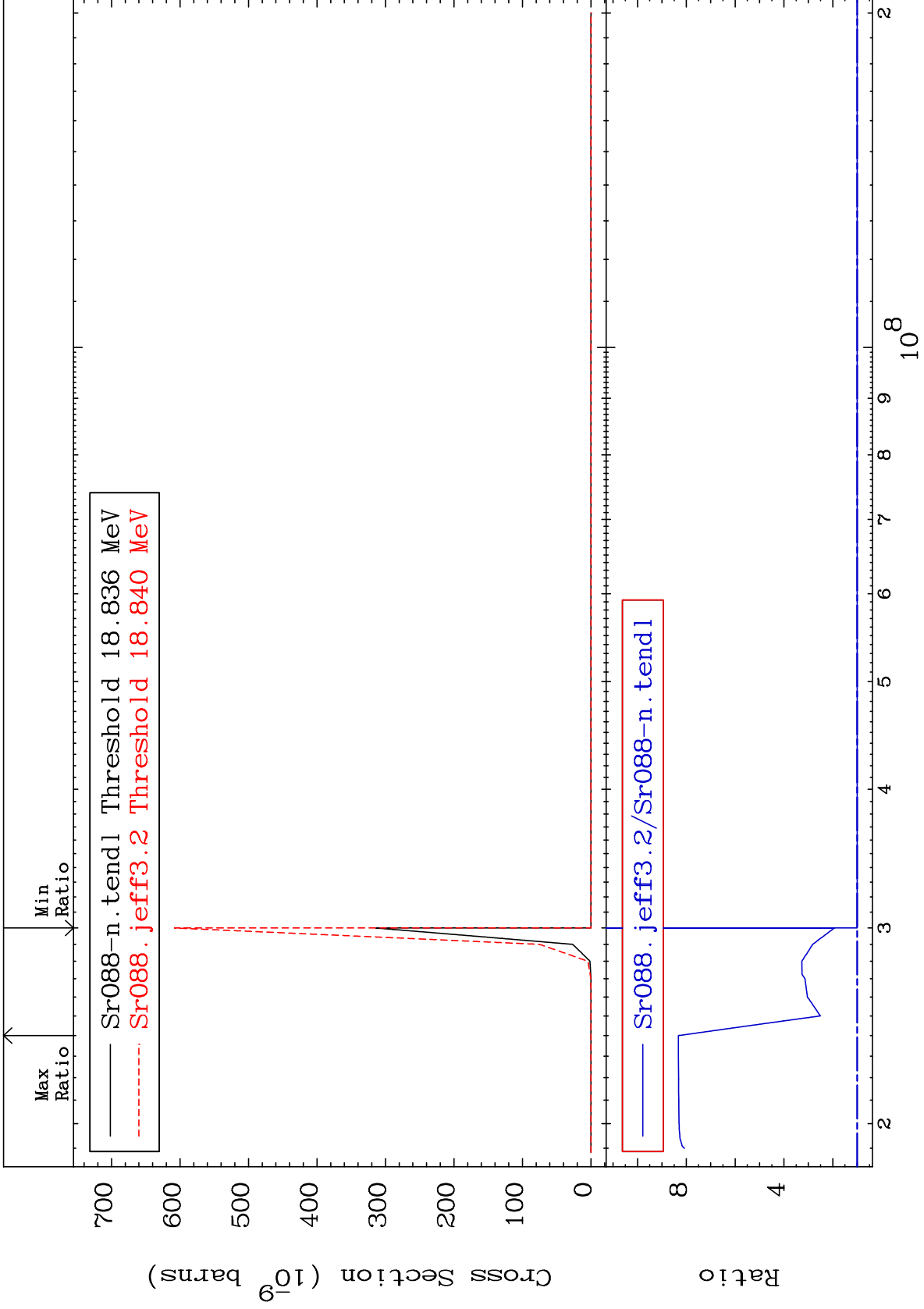
38-Sr-88

38-Sr-88

MAT 3837

(n,n') p α
Cross Section

38-Sr-88
0.000 To 732.4 %



16

Incident Energy (eV)

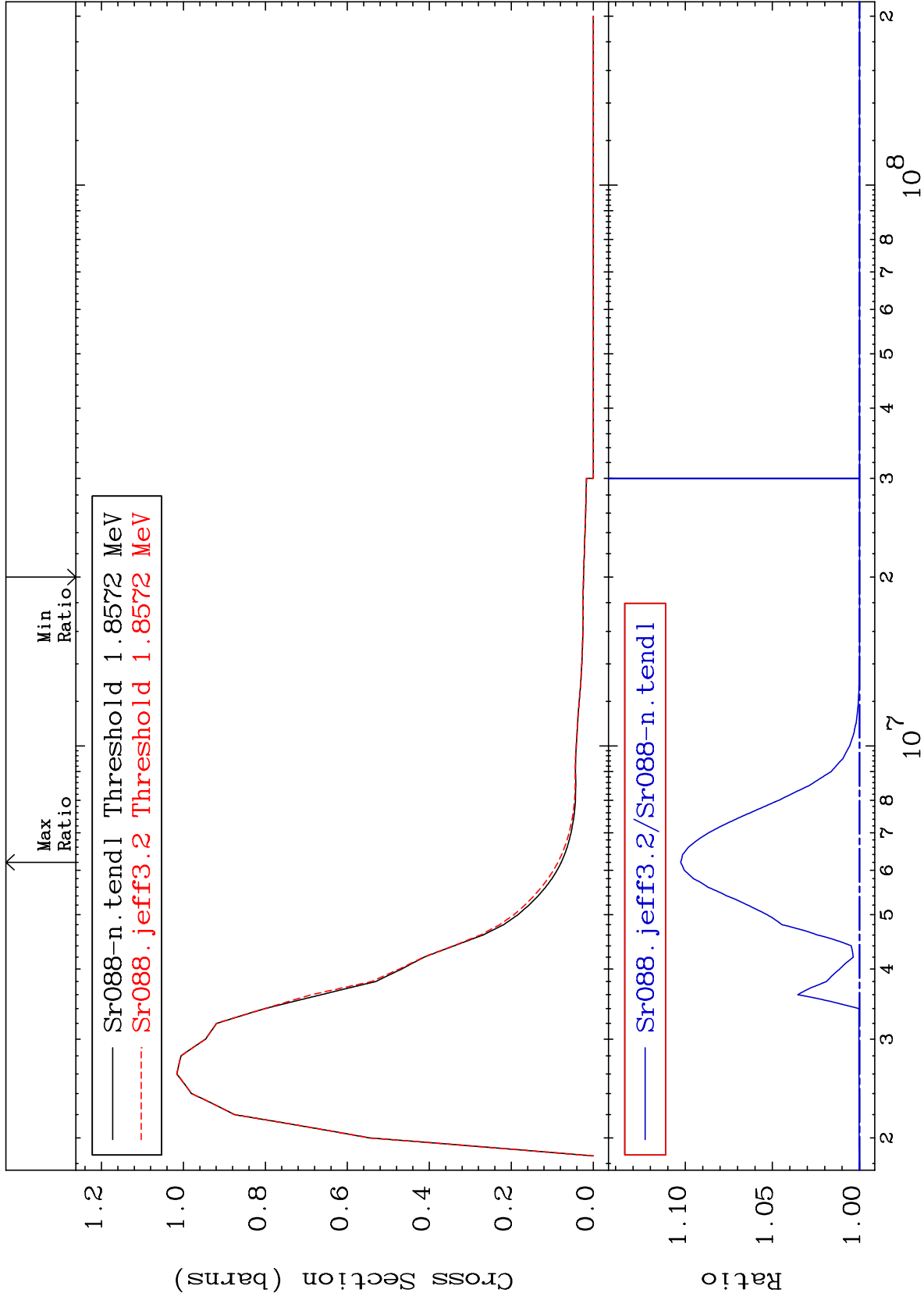
38-Sr-88

MAT 3837

1.836 MeV (n,n') Level

38-Sr-88

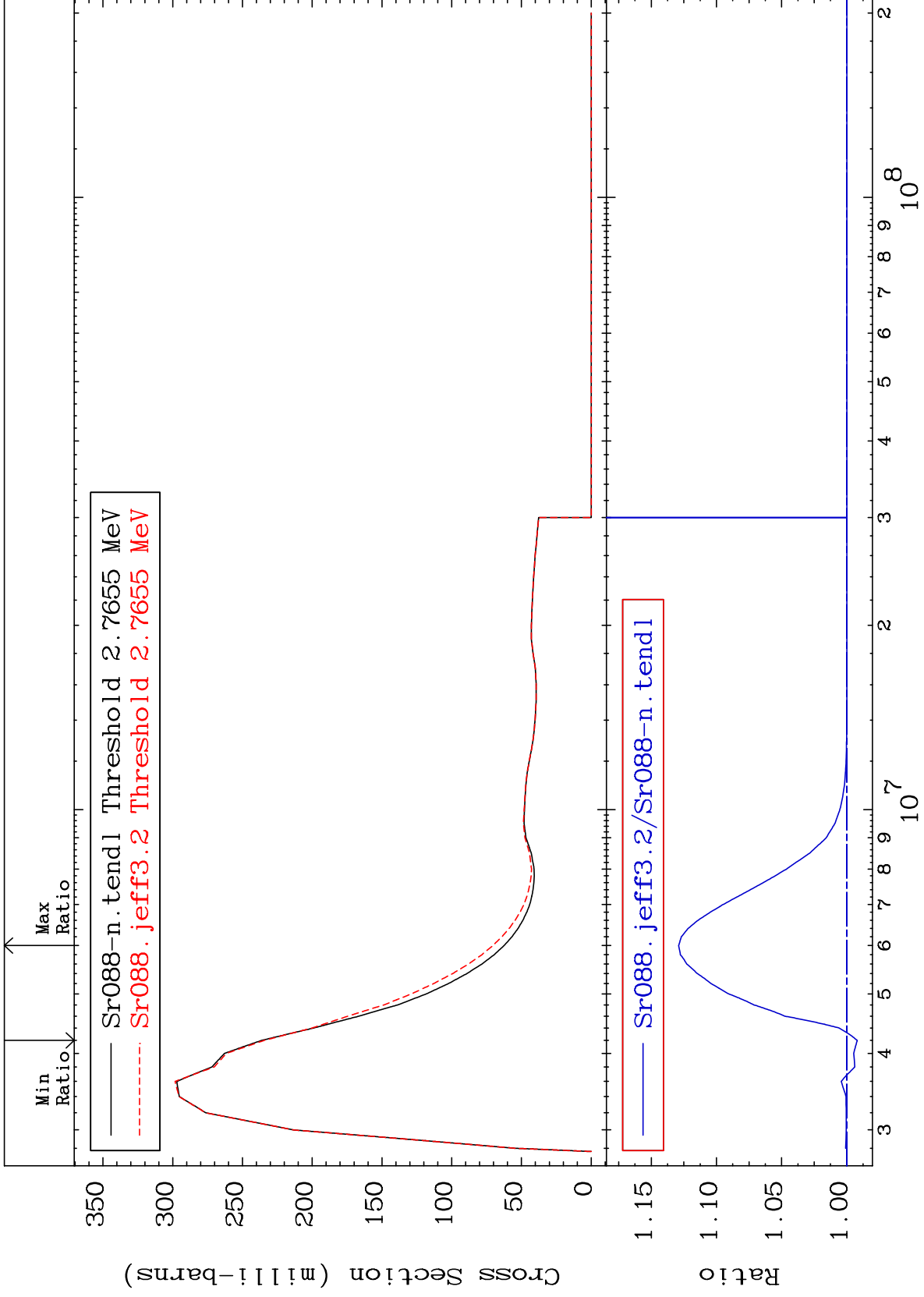
0.000 To 10.26 %



MAT 3837

2.734 MeV (n,n') Level
Cross Section

38-Sr-88
-0.802 To 12.90 %



18

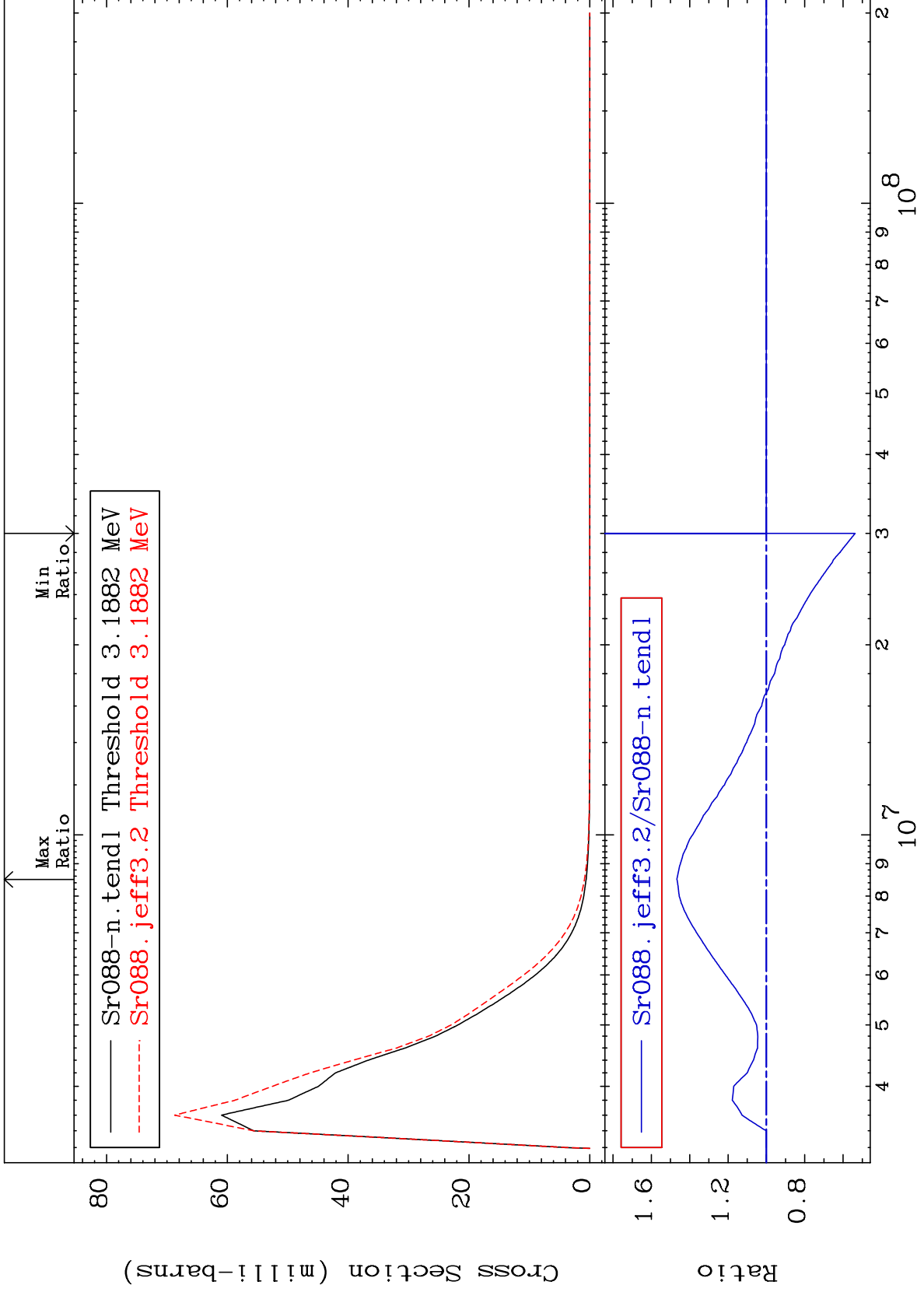
Incident Energy (eV)

38-Sr-88

MAT 3837

3.152 MeV (n,n') Level
Cross Section

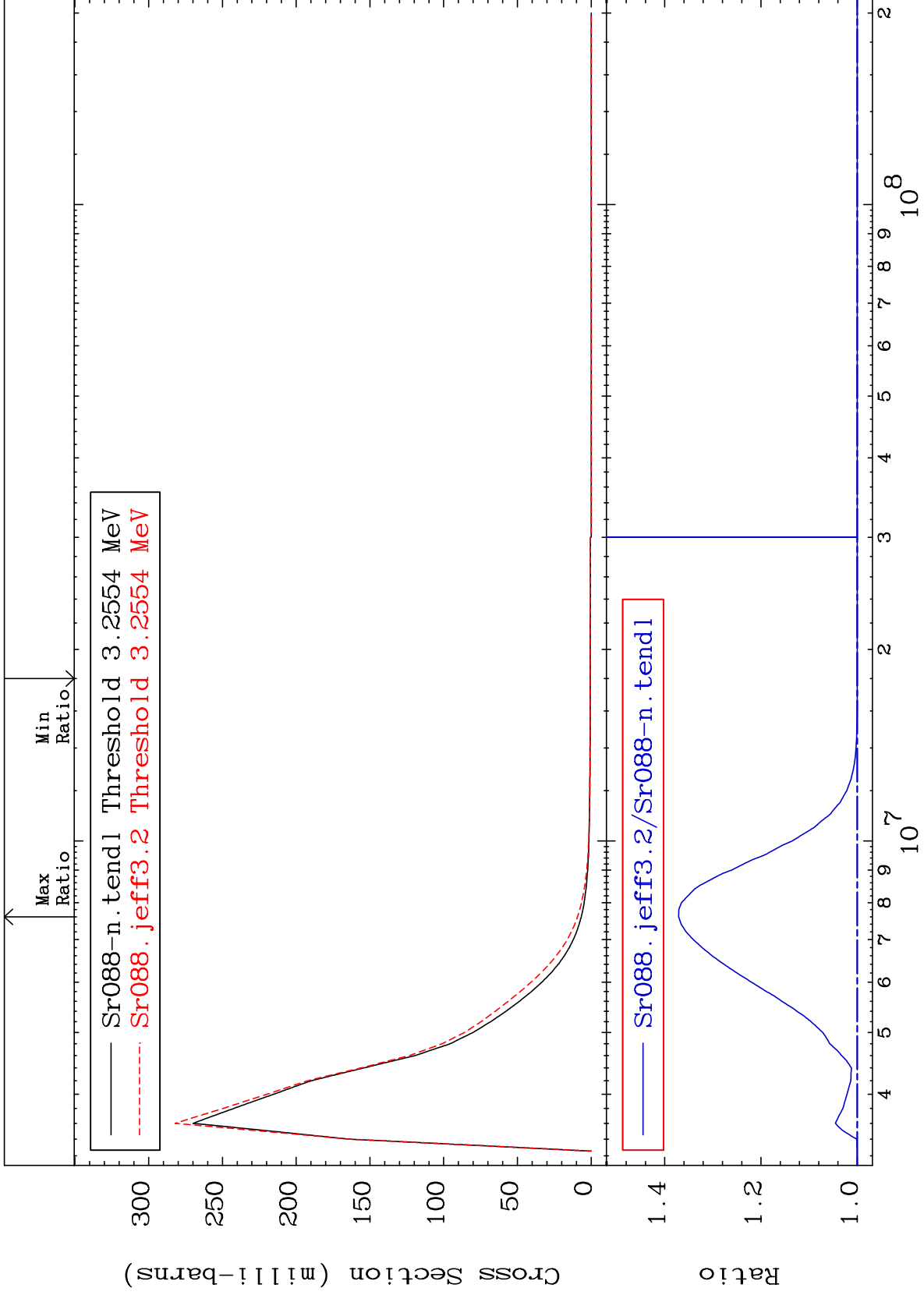
38-Sr-88
-46.27 To 46.66 %



MAT 3837

3.219 MeV (n,n') Level
Cross Section

38-Sr-88
-0.004 To 37.11 %



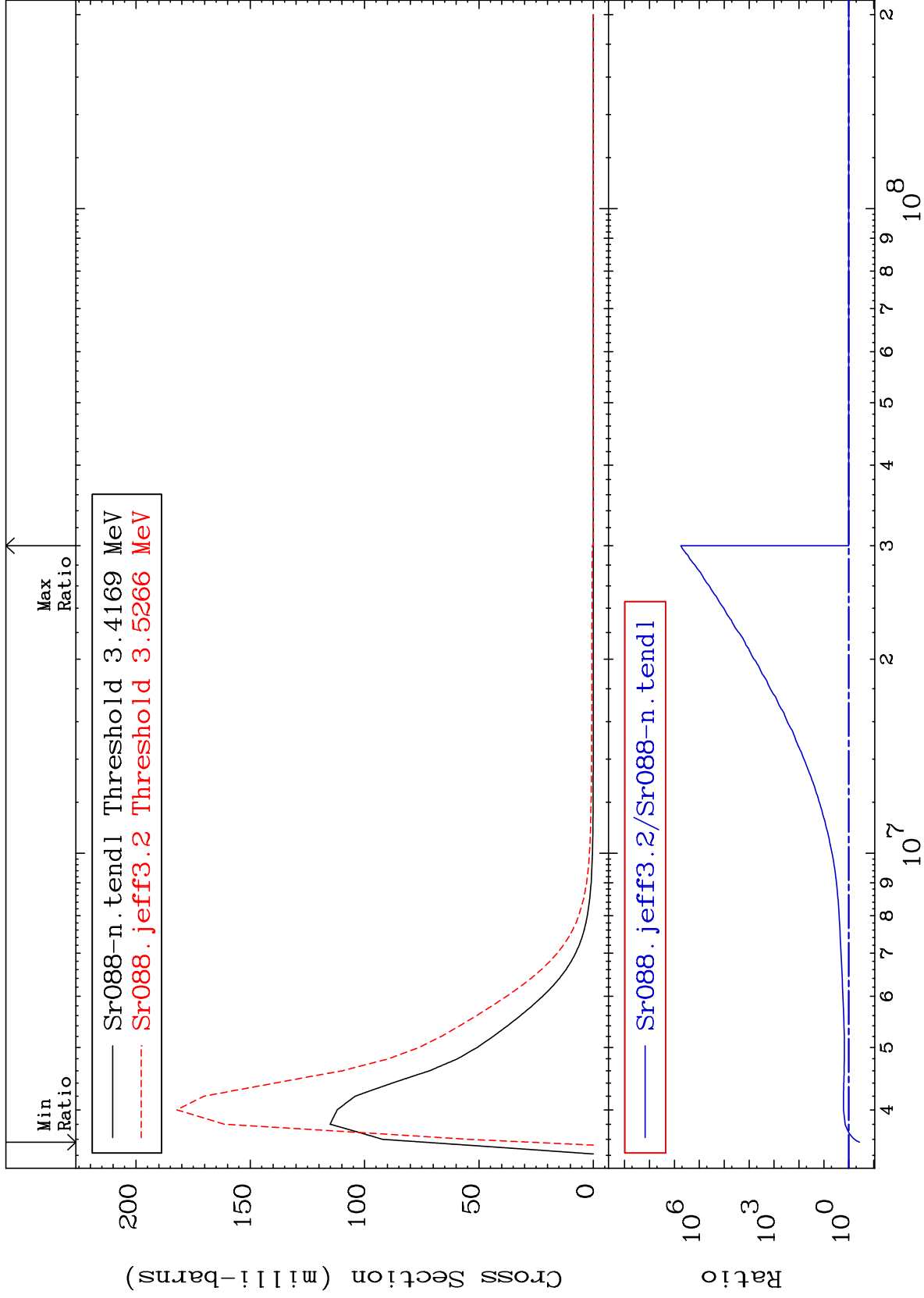
MAT 3837

3.378 MeV (n,n') Level

38-Sr-88

-63.02 To 9999. %

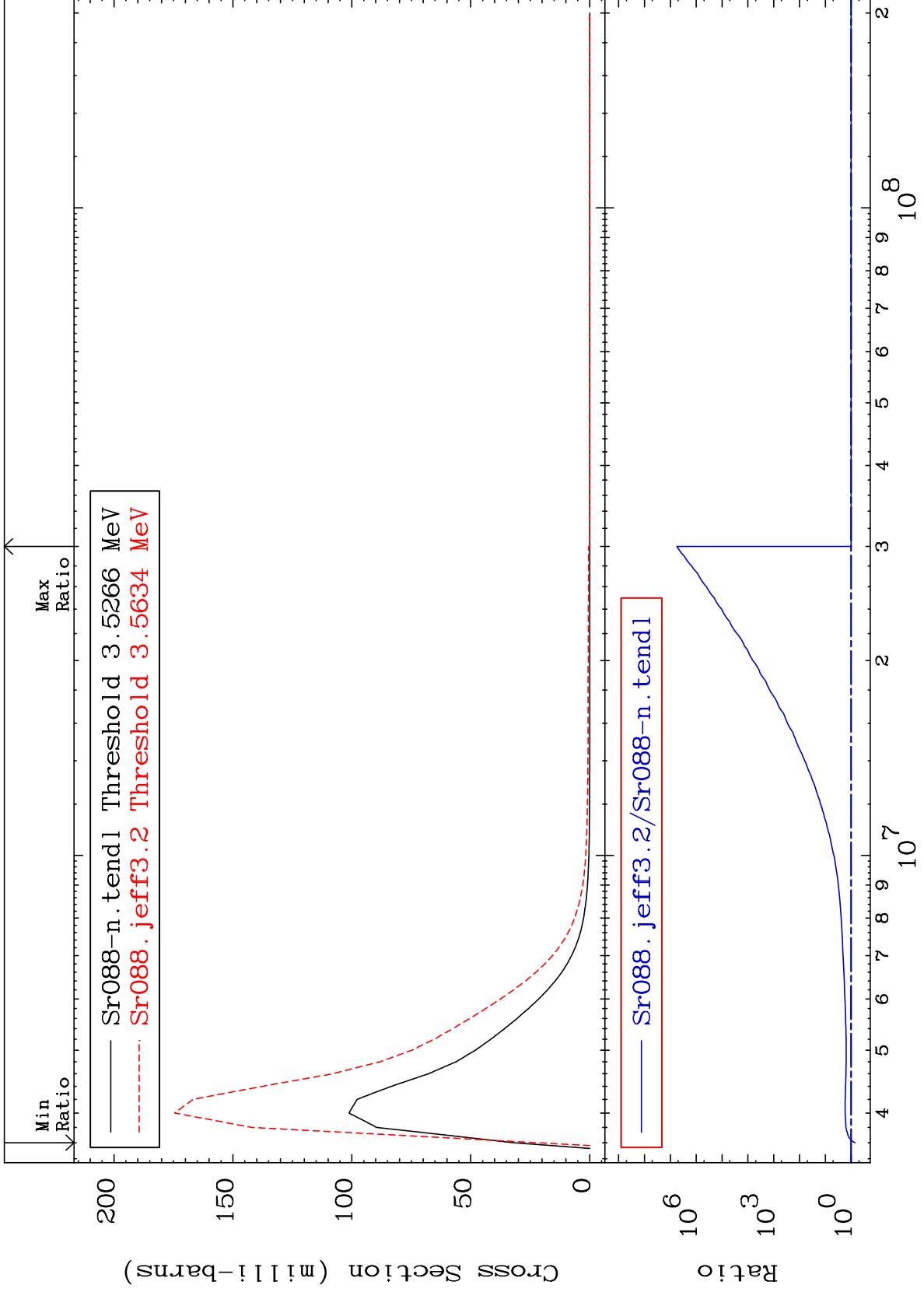
Cross Section



MAT 3837

3.487 MeV (n,n') Level
Cross Section

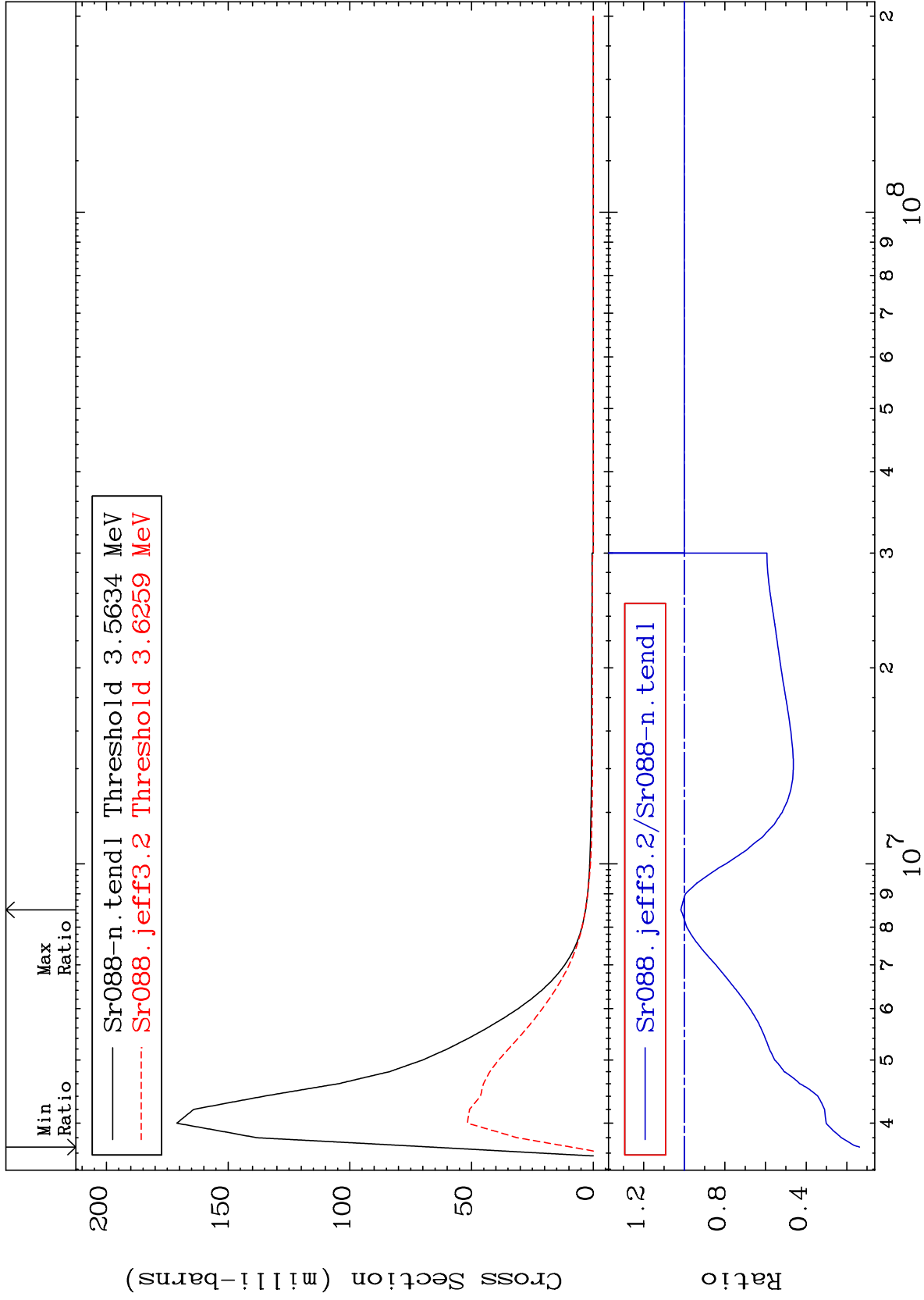
38-Sr-88
-29.25 To 9999. %



MAT 3837

3.523 MeV (n,n') Level
Cross Section

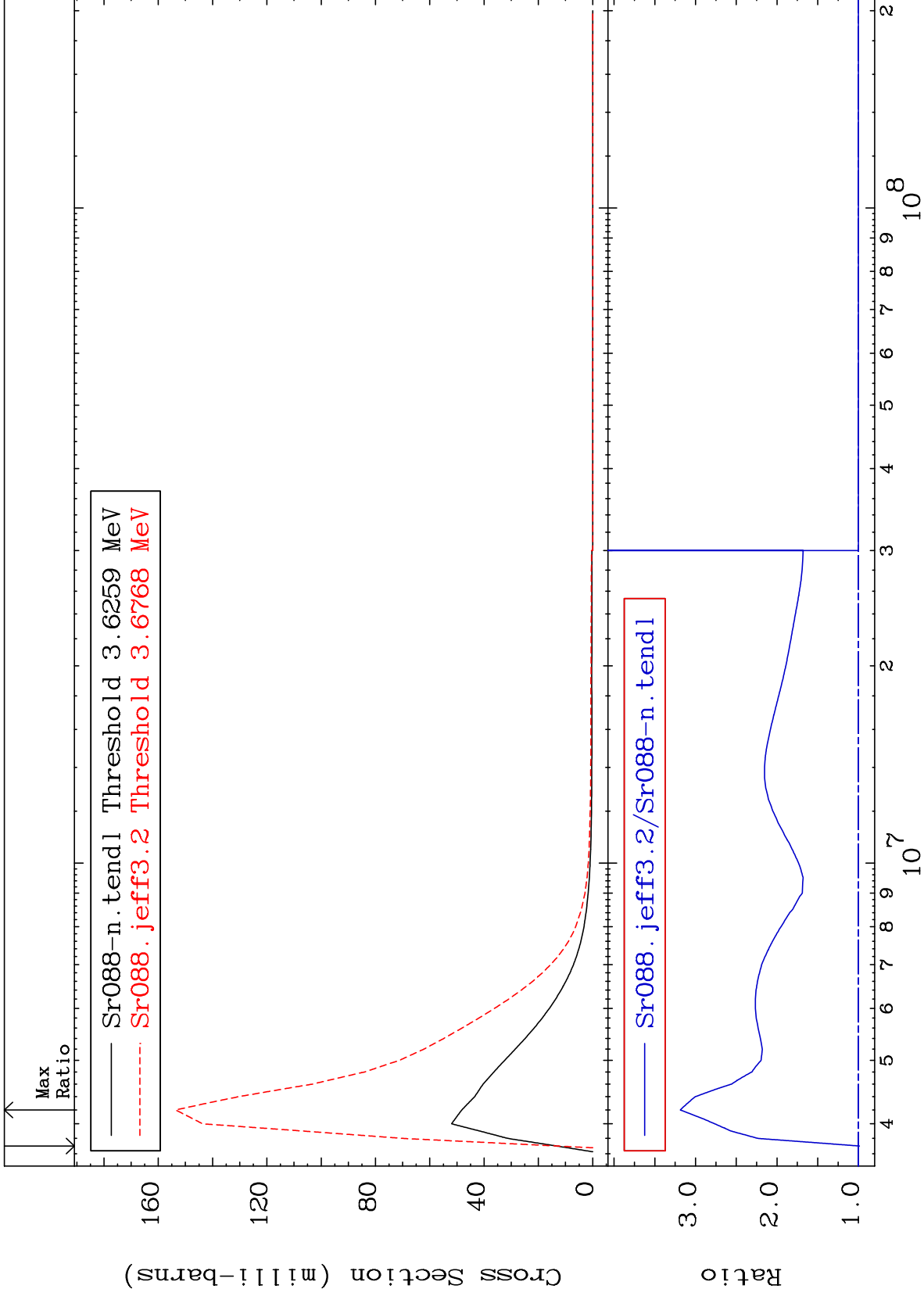
38-Sr-88
-86.29 To 1.752 %



MAT 3837

3.585 MeV (n,n') Level
Cross Section

38-Sr-88
-1.222 To 218.6 %

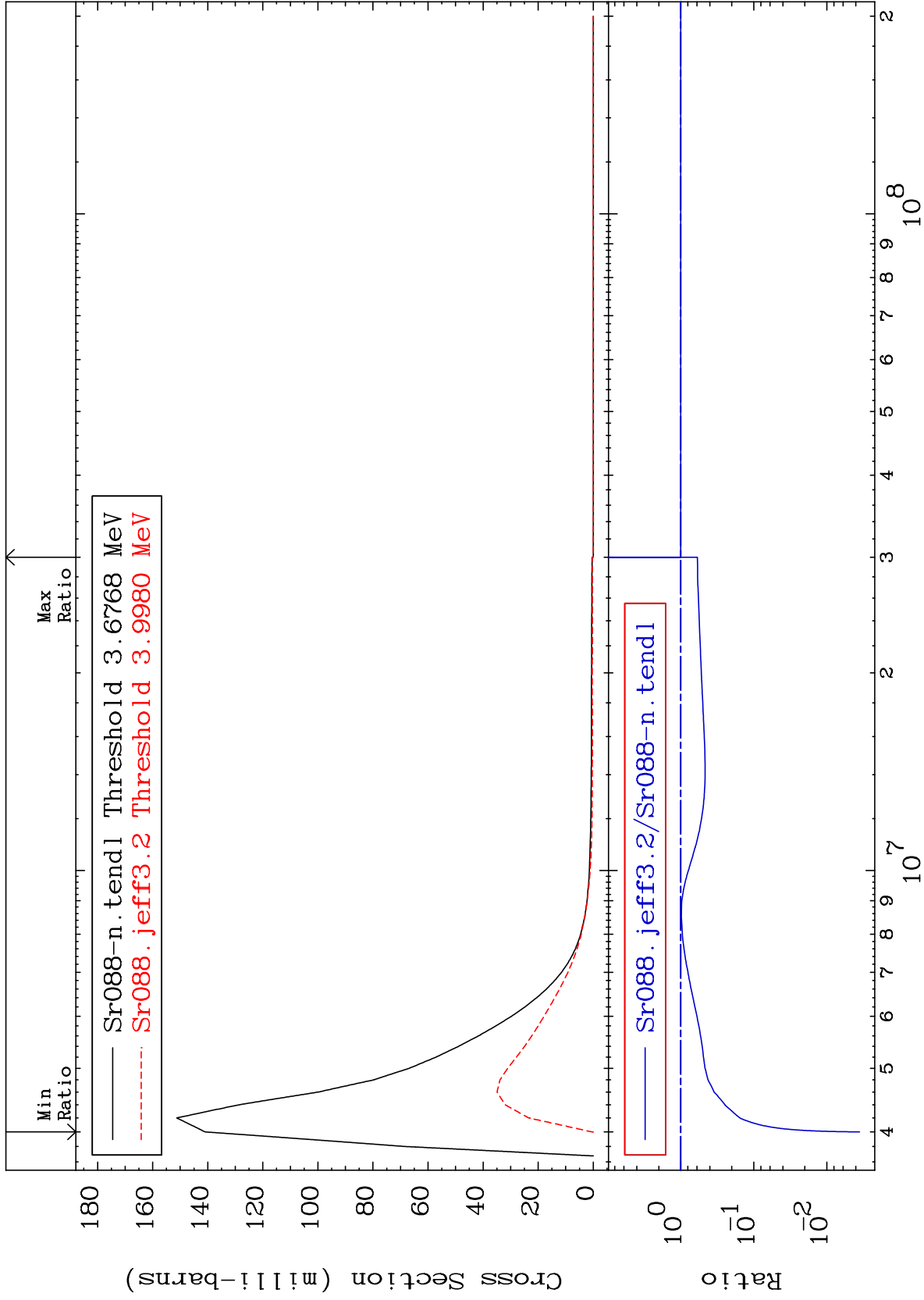


MAT 3837

3.635 MeV (n,n') Level

38-Sr-88

-99.64 To 0.000 %



25

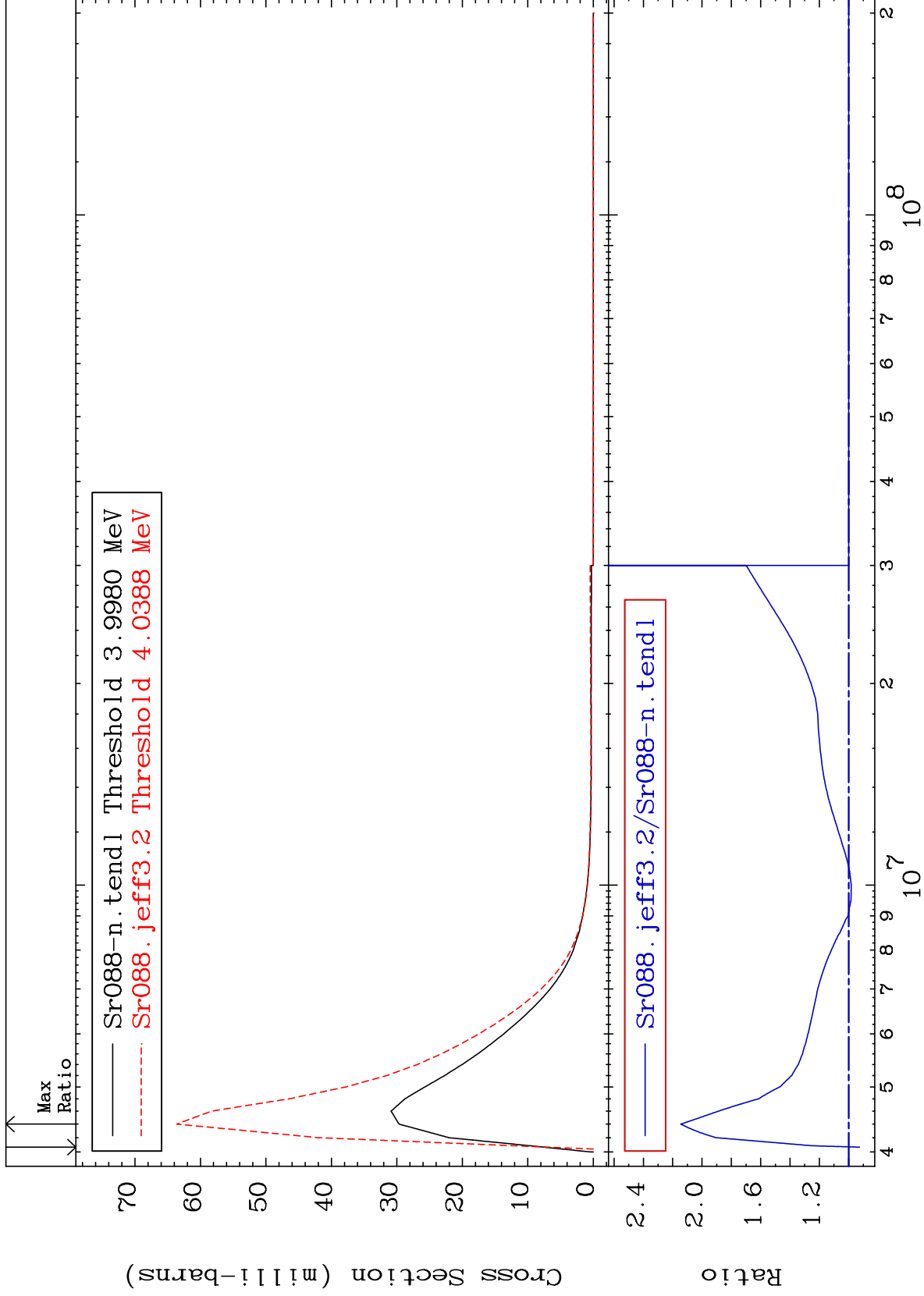
Incident Energy (eV)

38-Sr-88

MAT 3837

3.953 MeV (n,n') Level
Cross Section

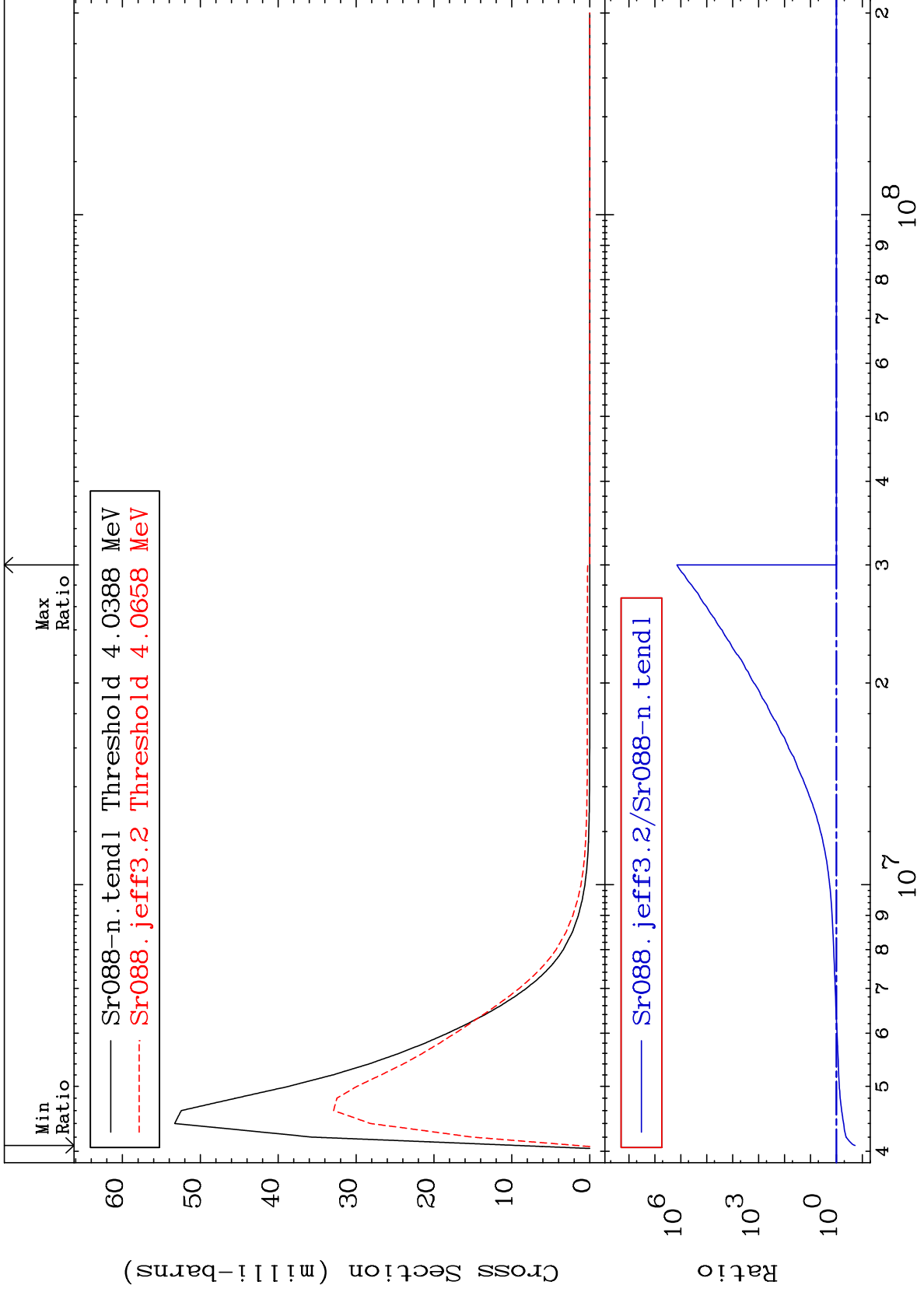
38-Sr-88
-7.427 To 114.5 %



MAT 3837

3.993 MeV (n,n') Level
Cross Section

38-Sr-88
-80.96 To 9999. %

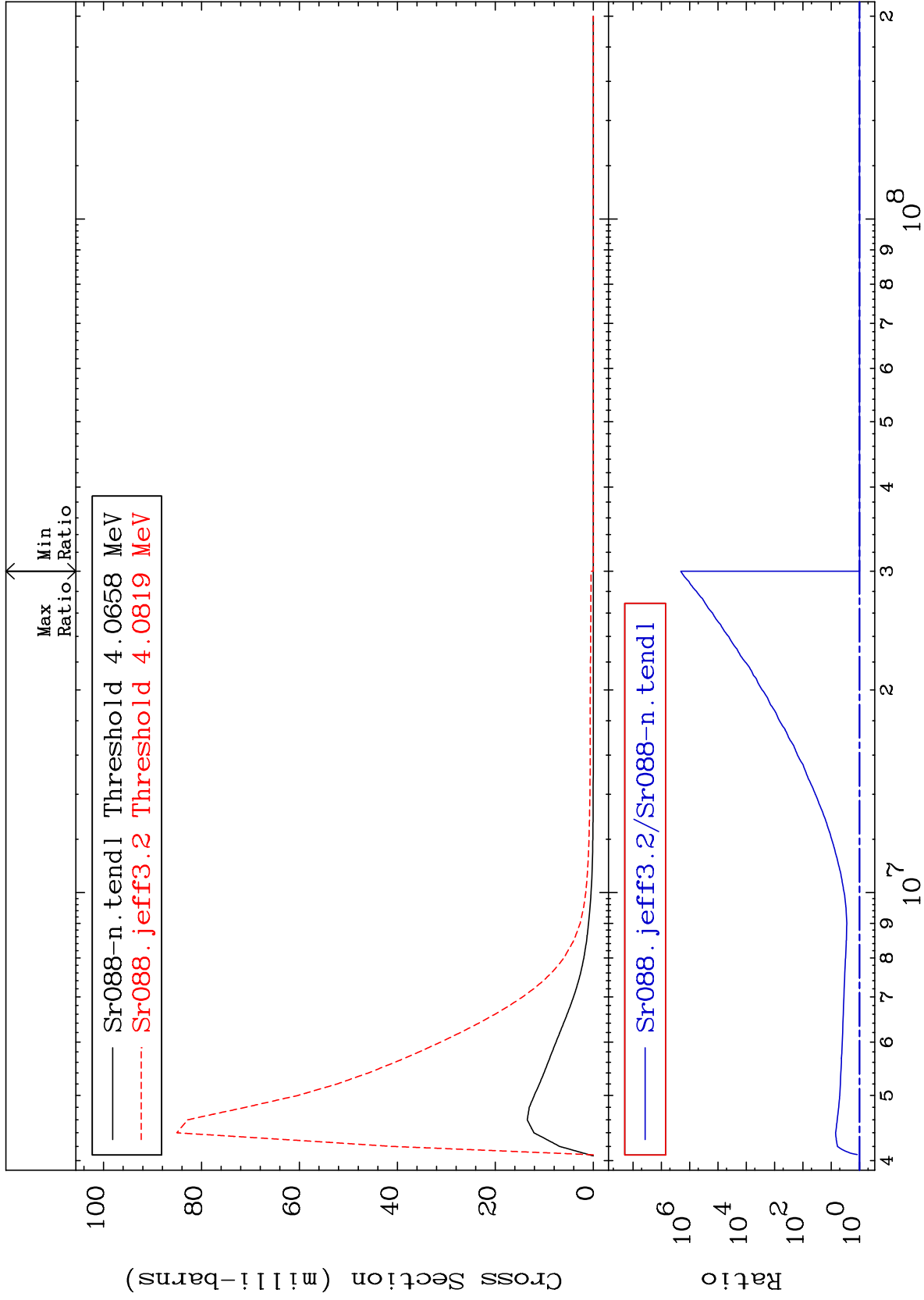


MAT 3837

4.020 MeV (n,n') Level

38-Sr-88

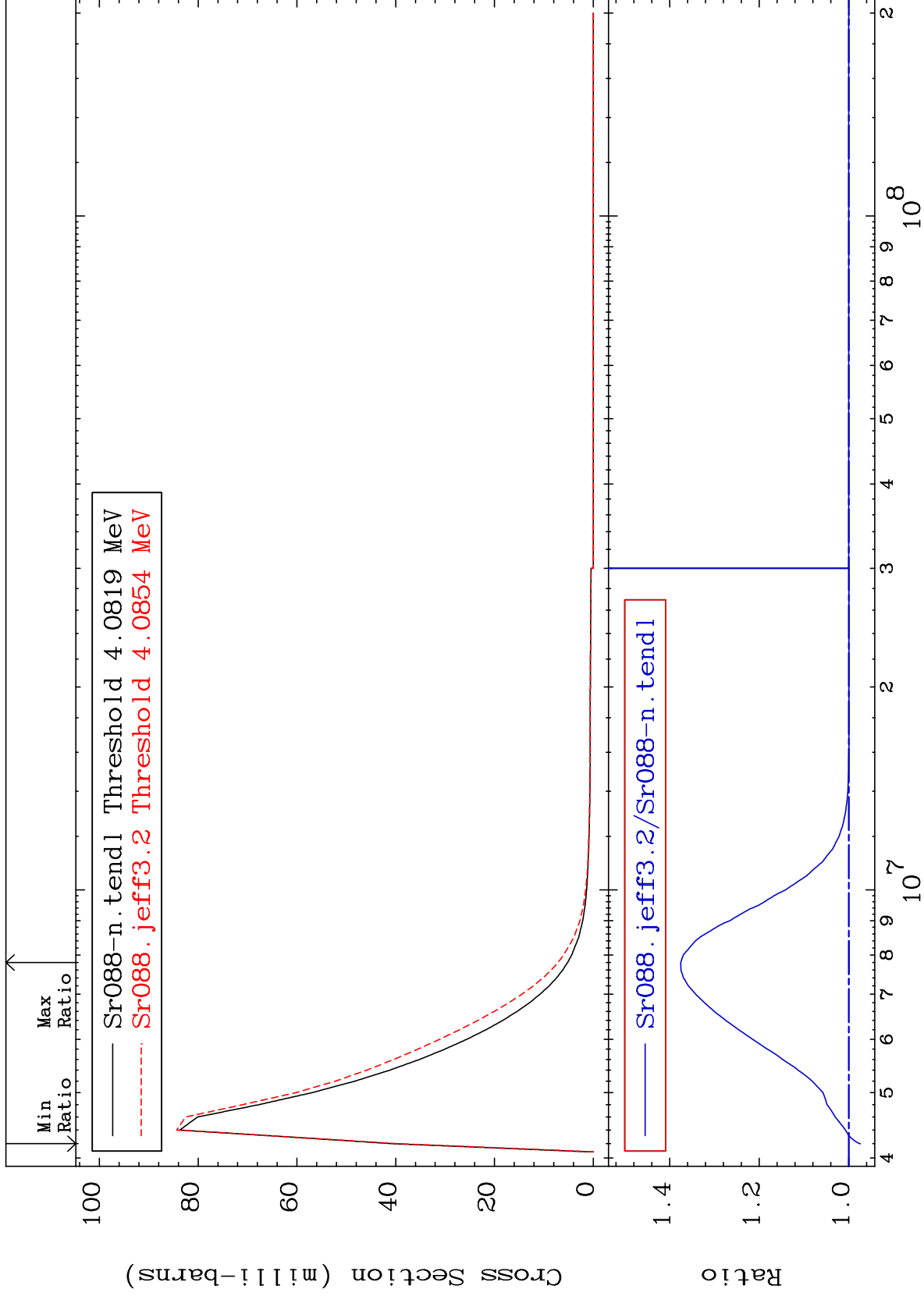
Cross Section To 9999. %



MAT 3837

4.036 MeV (n,n') Level
Cross Section

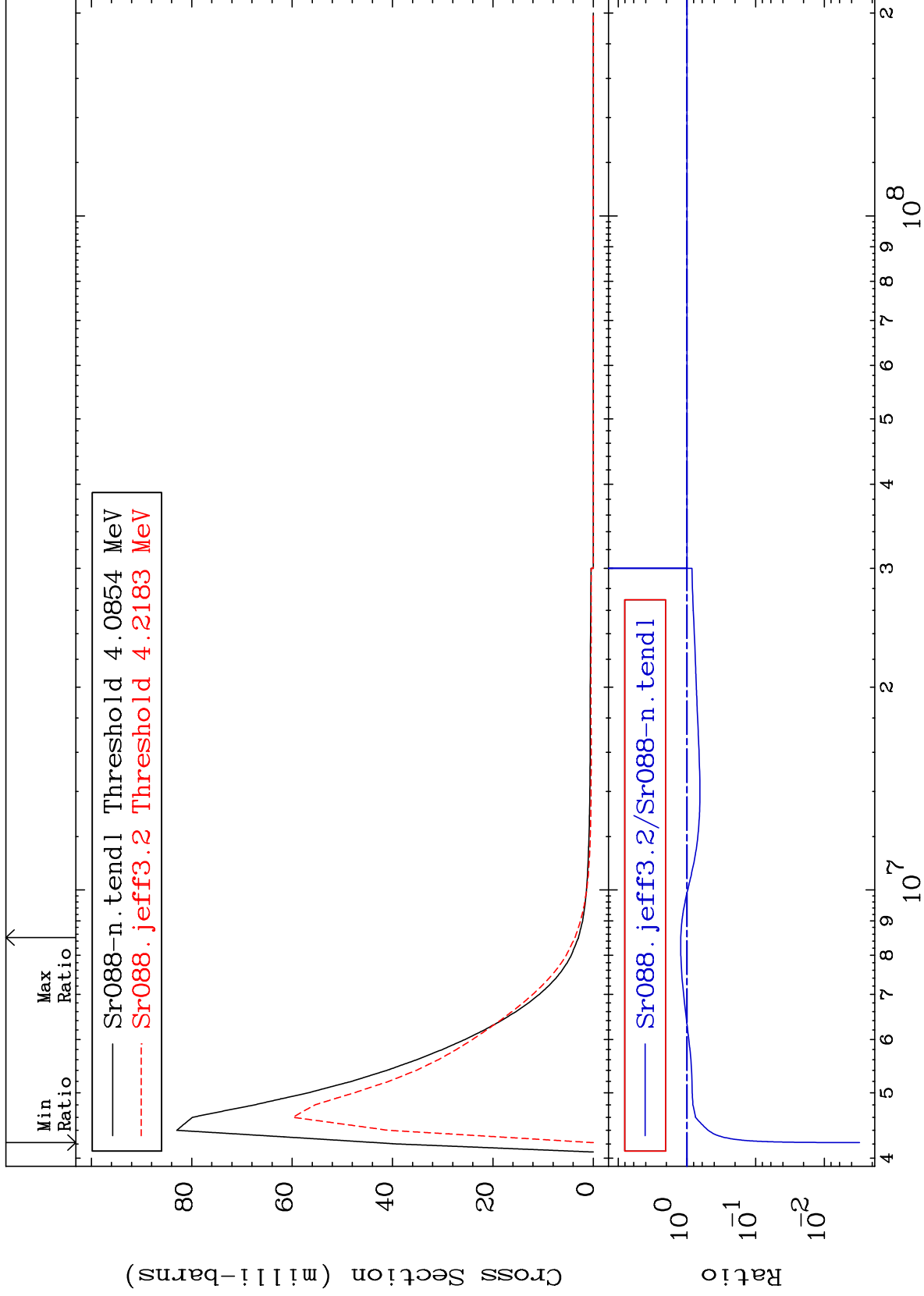
38-Sr-88
-2.399 To 37.54 %



MAT 3837

4.039 MeV (n,n') Level
Cross Section

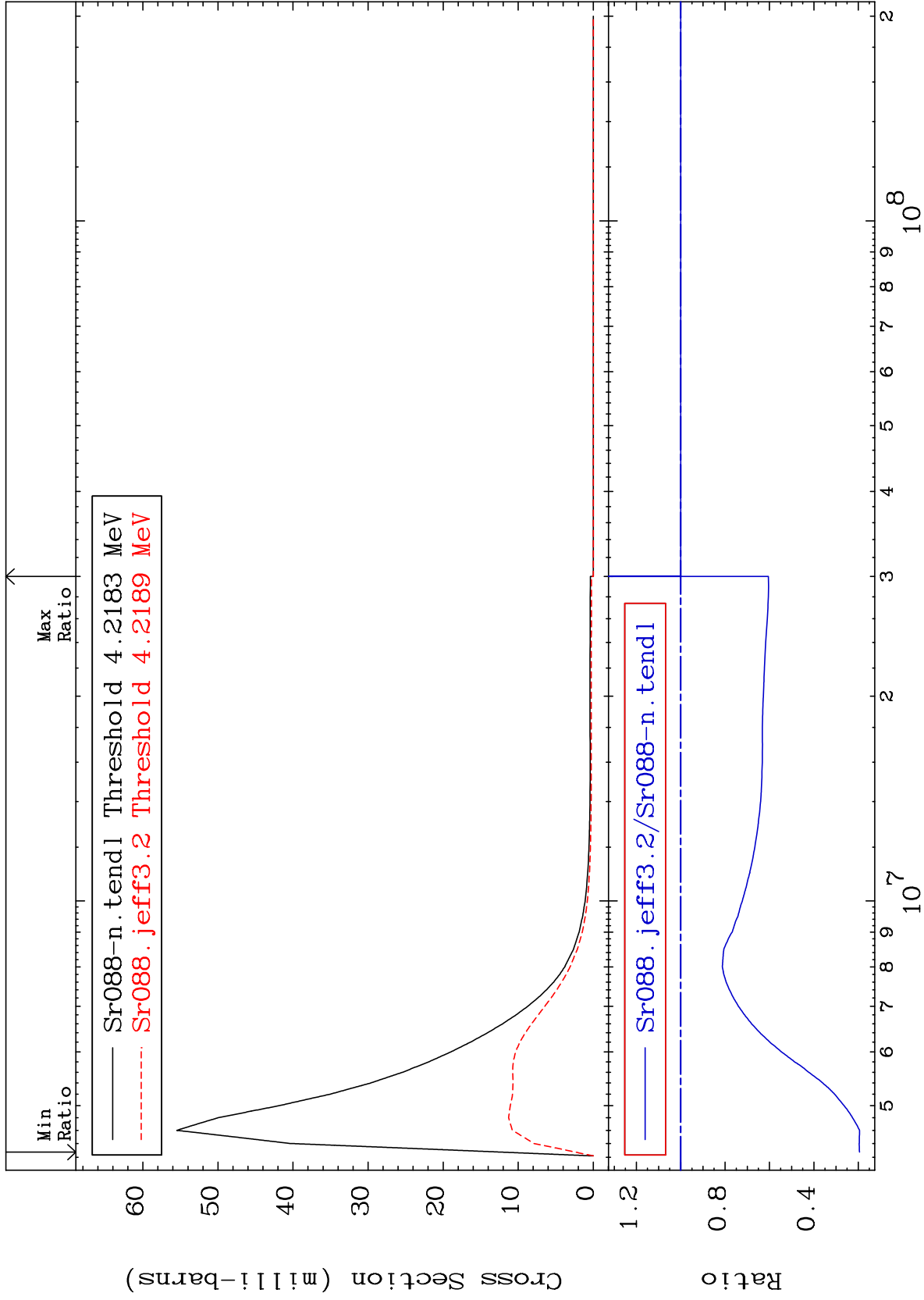
38-Sr-88
-99.69 To 23.20 %



30

Incident Energy (eV)

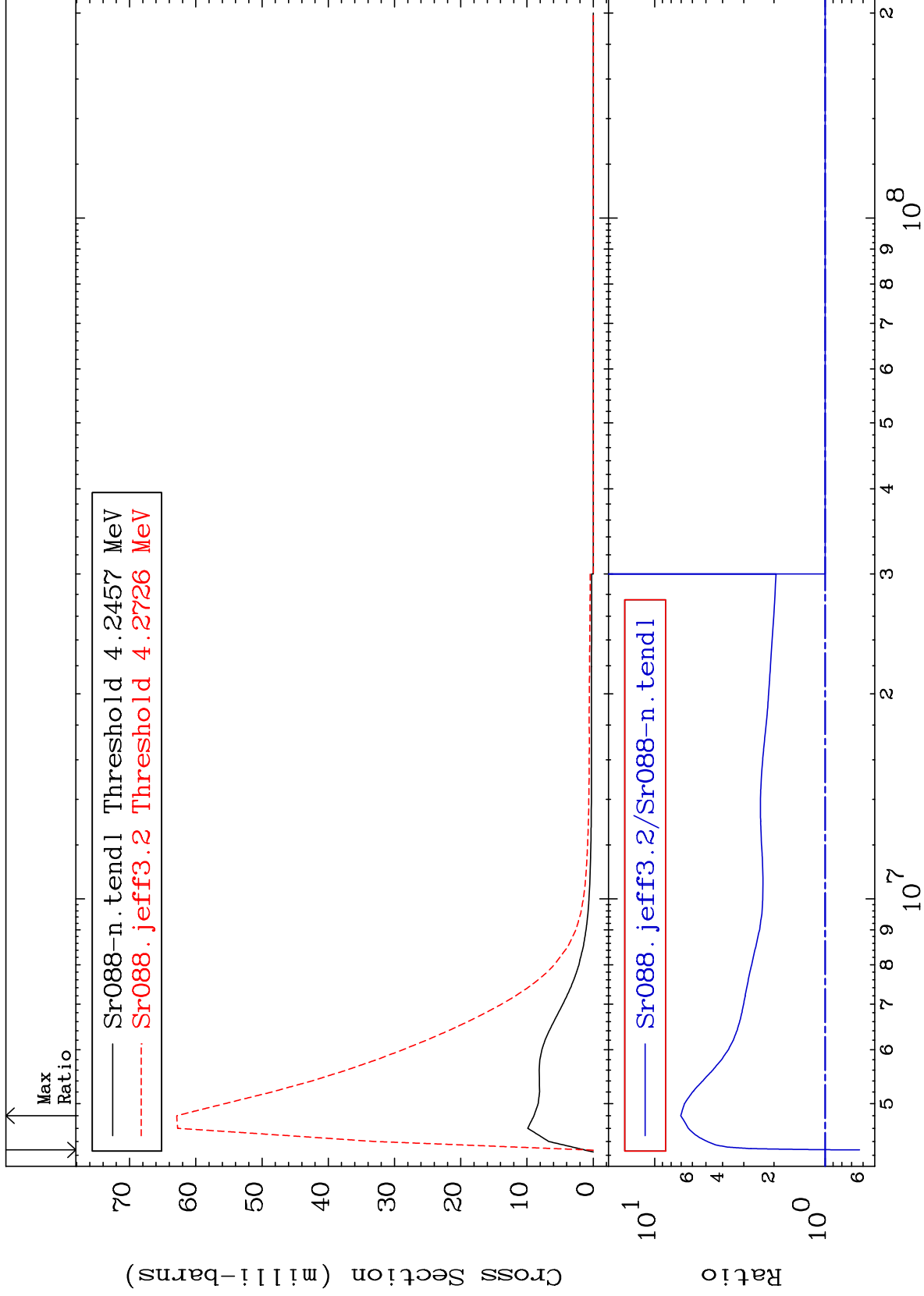
38-Sr-88

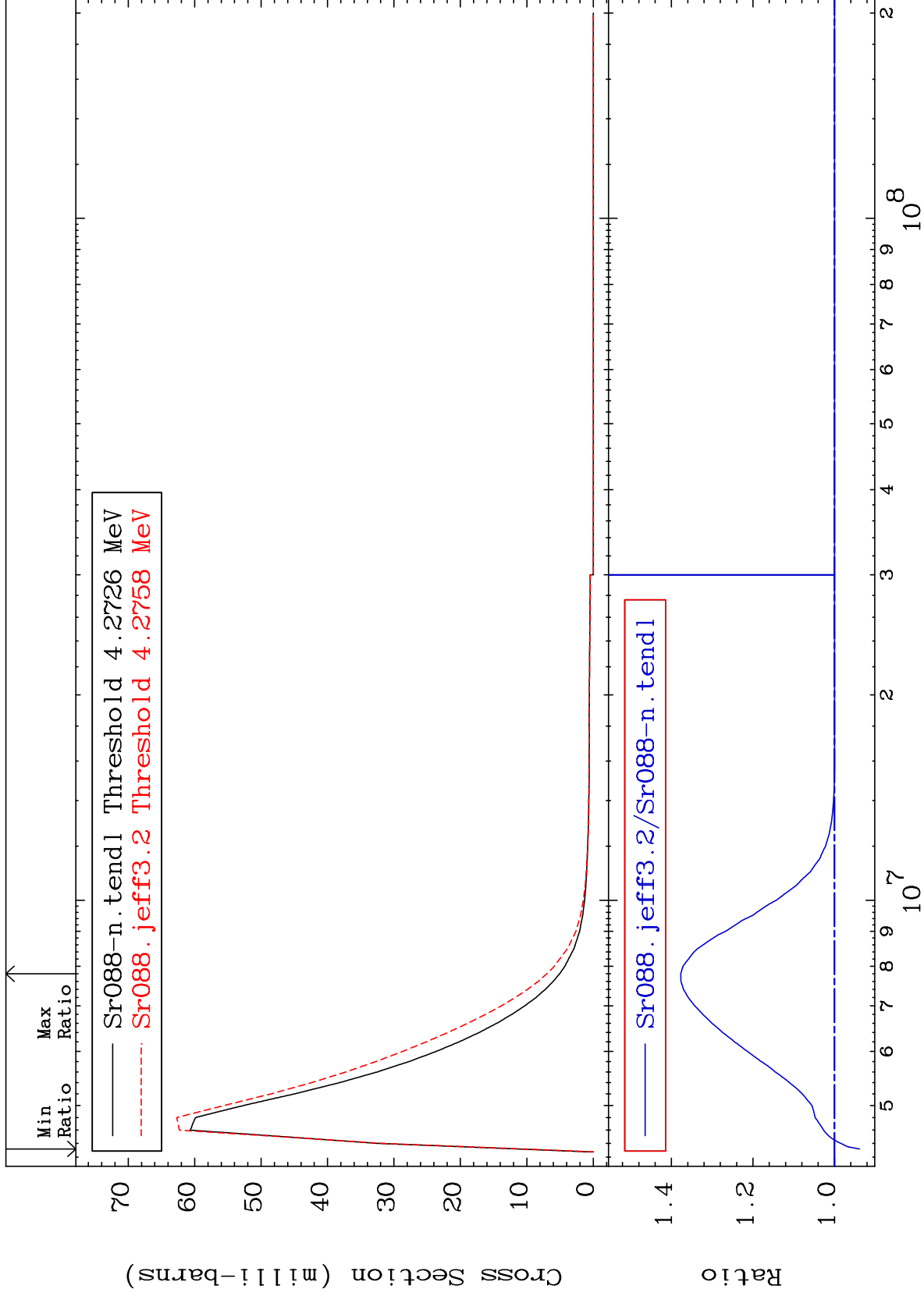


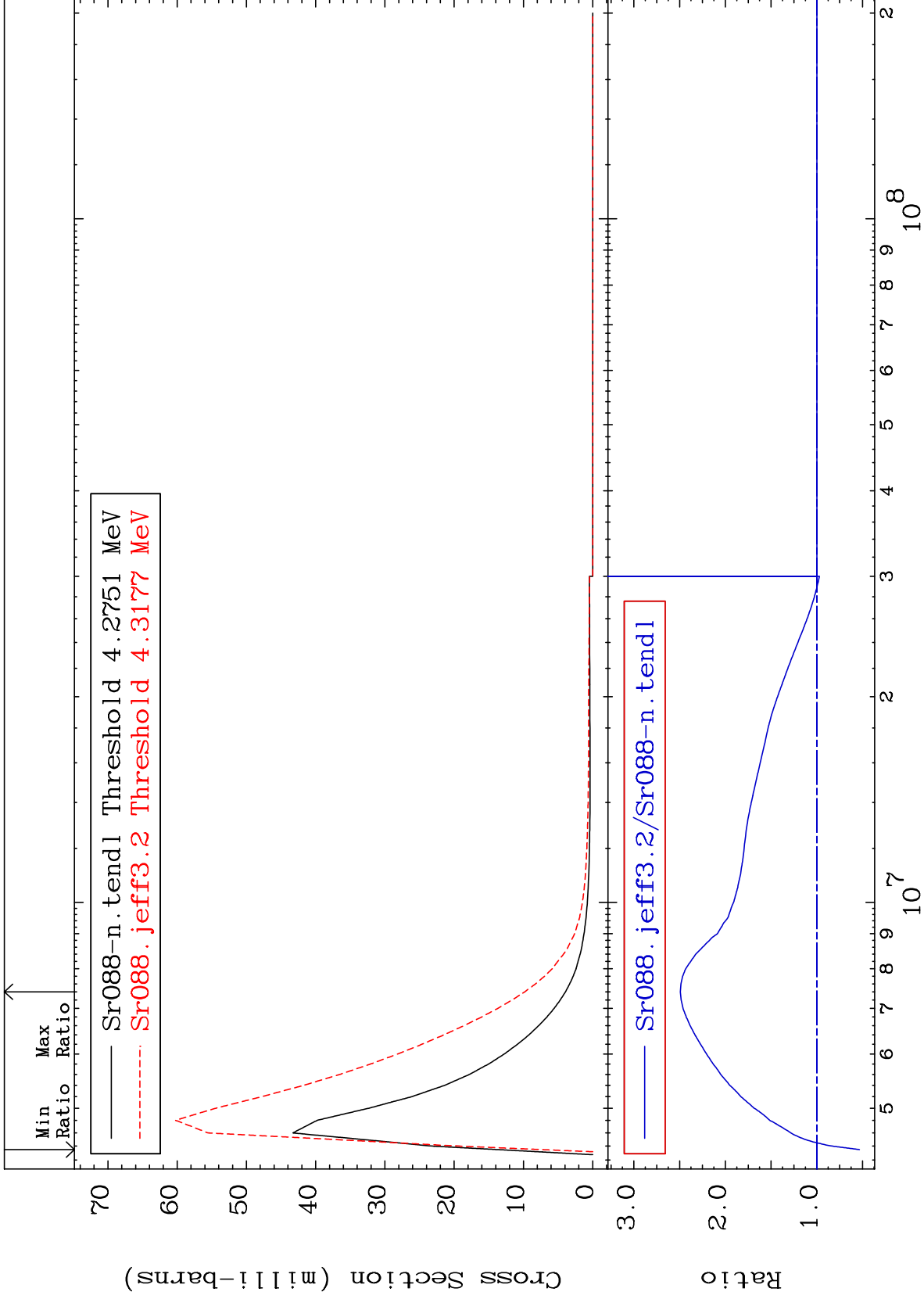
MAT 3837

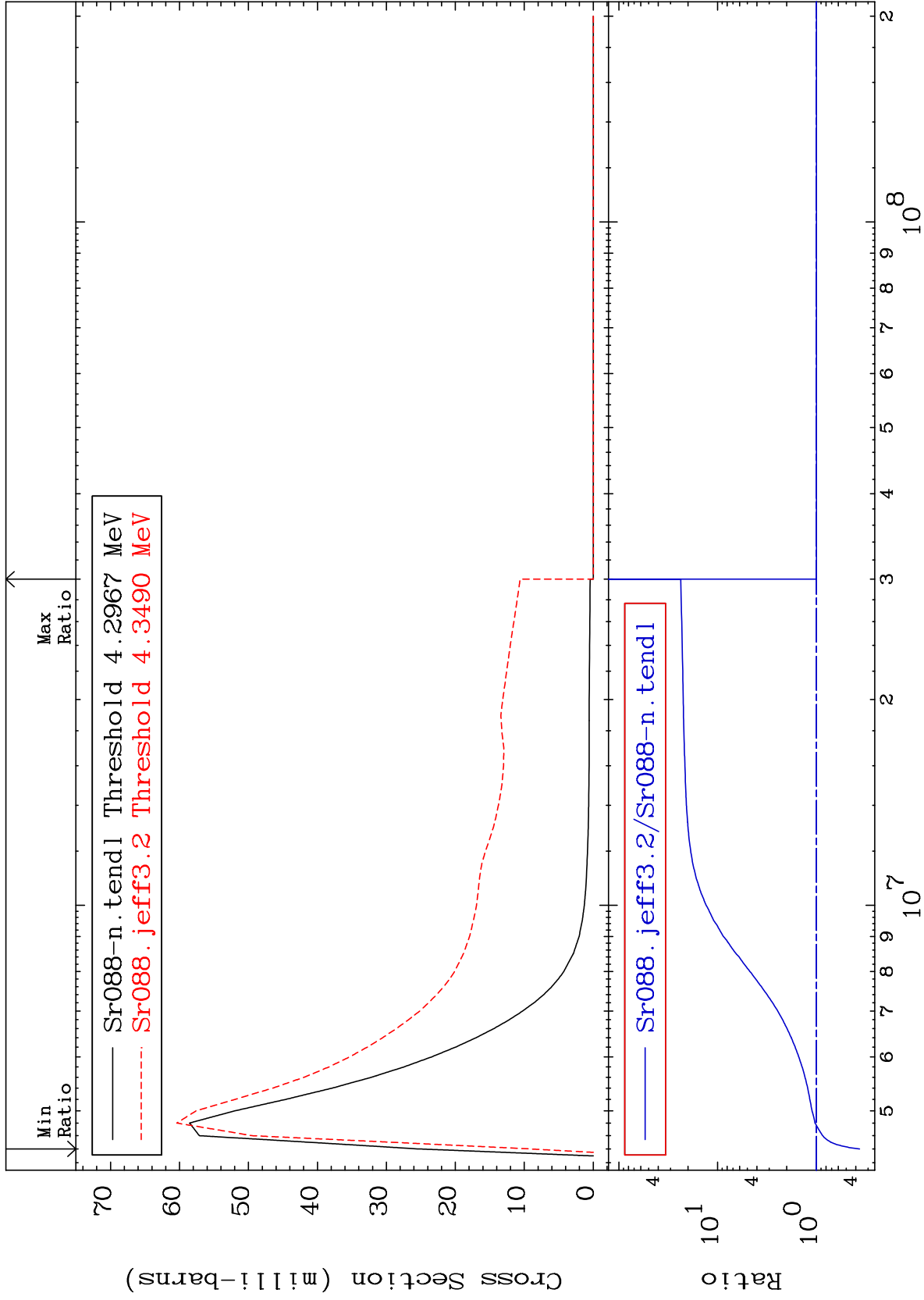
4.198 MeV (n,n') Level
Cross Section

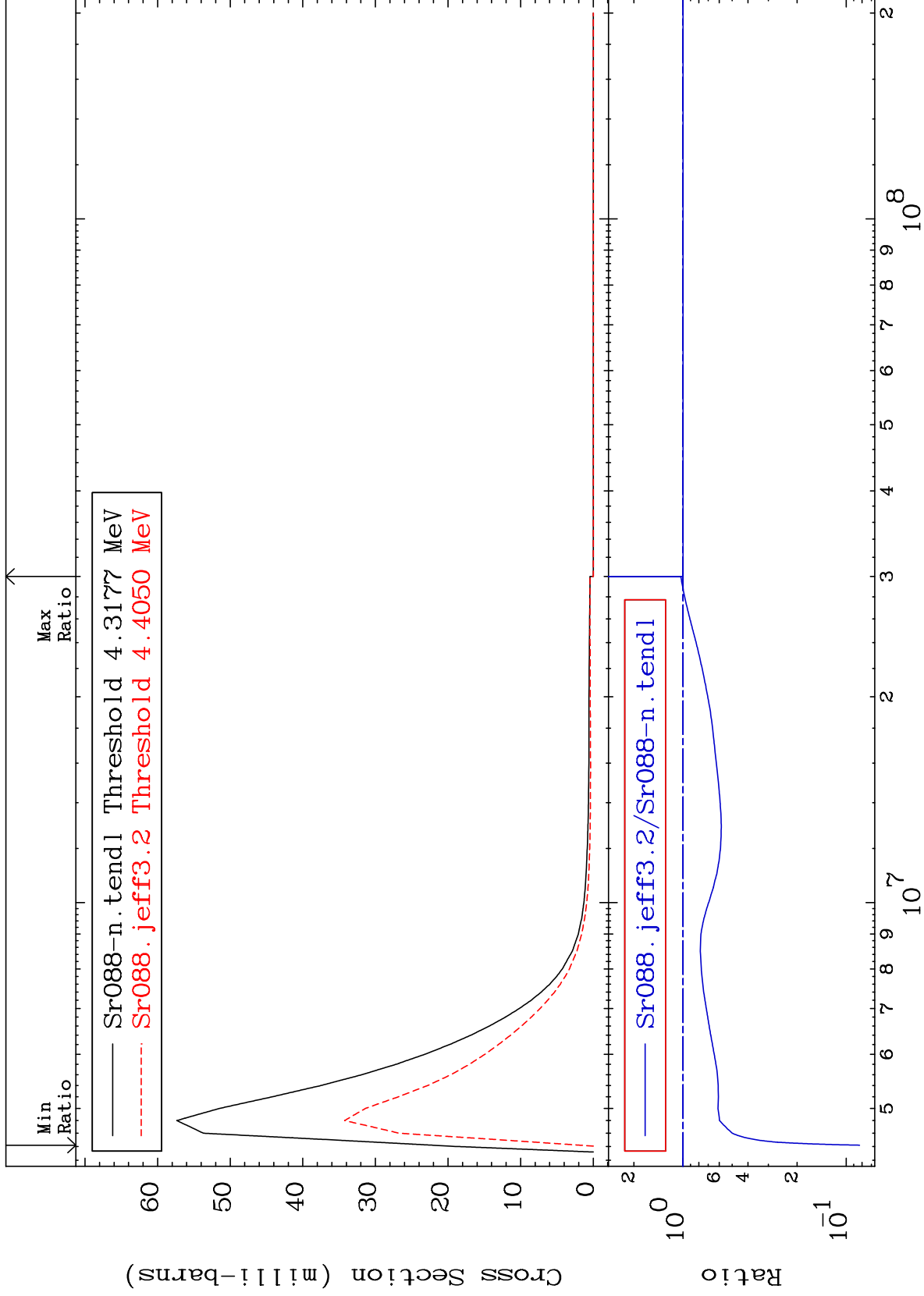
38-Sr-88
-37.03 To 602.6 %







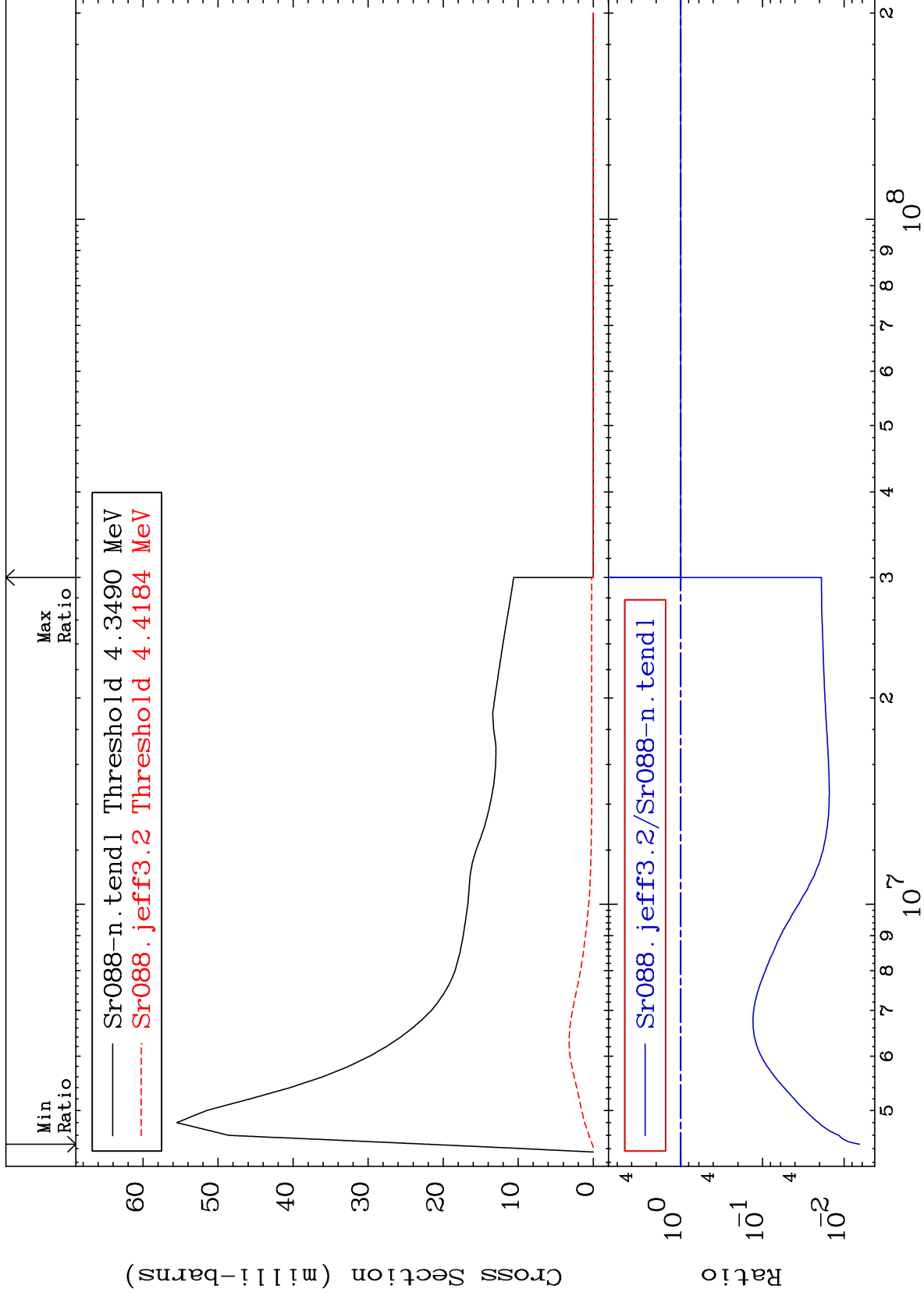




MAT 3837

4.300 MeV (n,n') Level
Cross Section

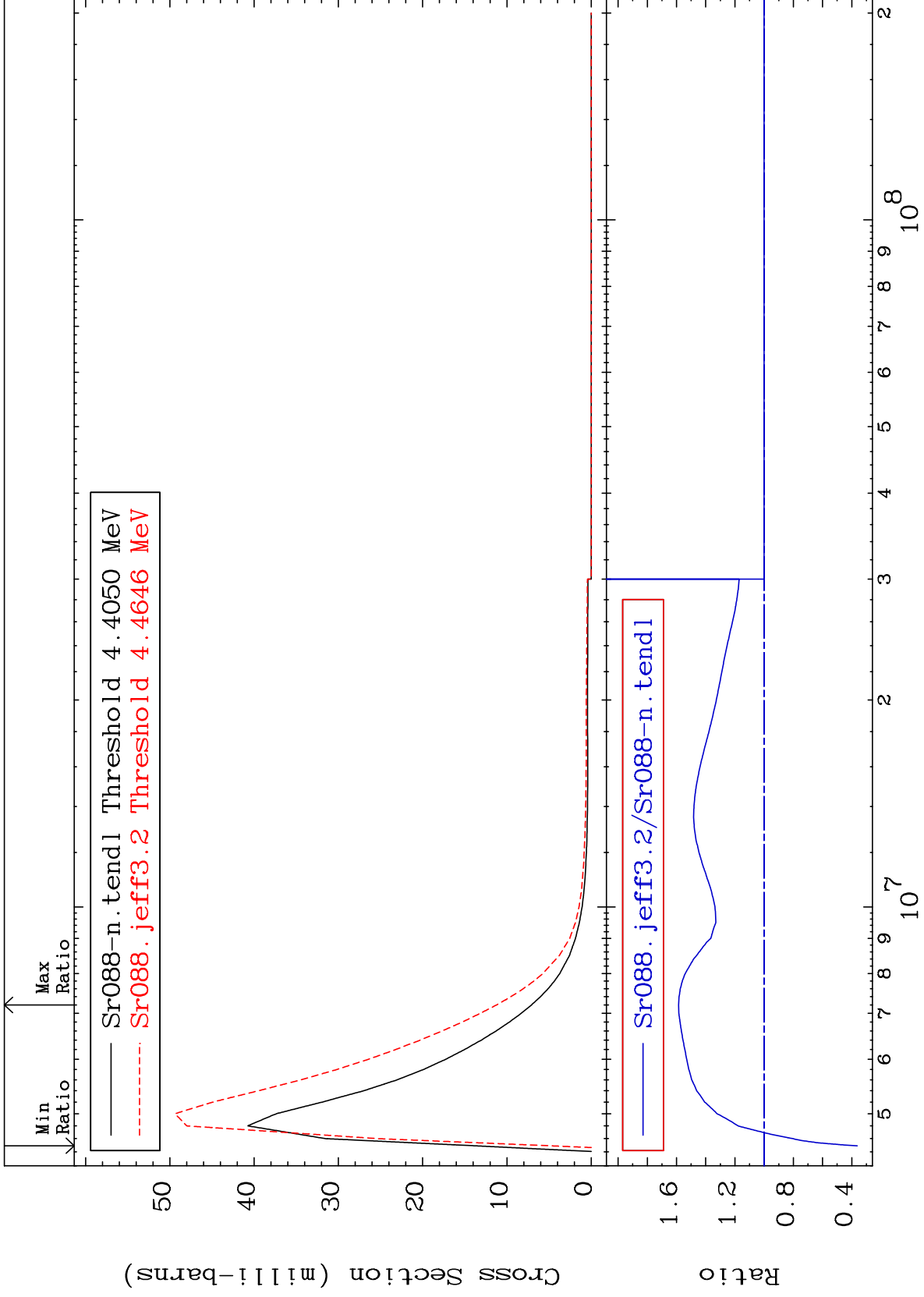
38-Sr-88
-99.35 To 0.000 %



MAT 3837

4.355 MeV (n,n') Level
Cross Section

38-Sr-88
-63.75 To 58.55 %



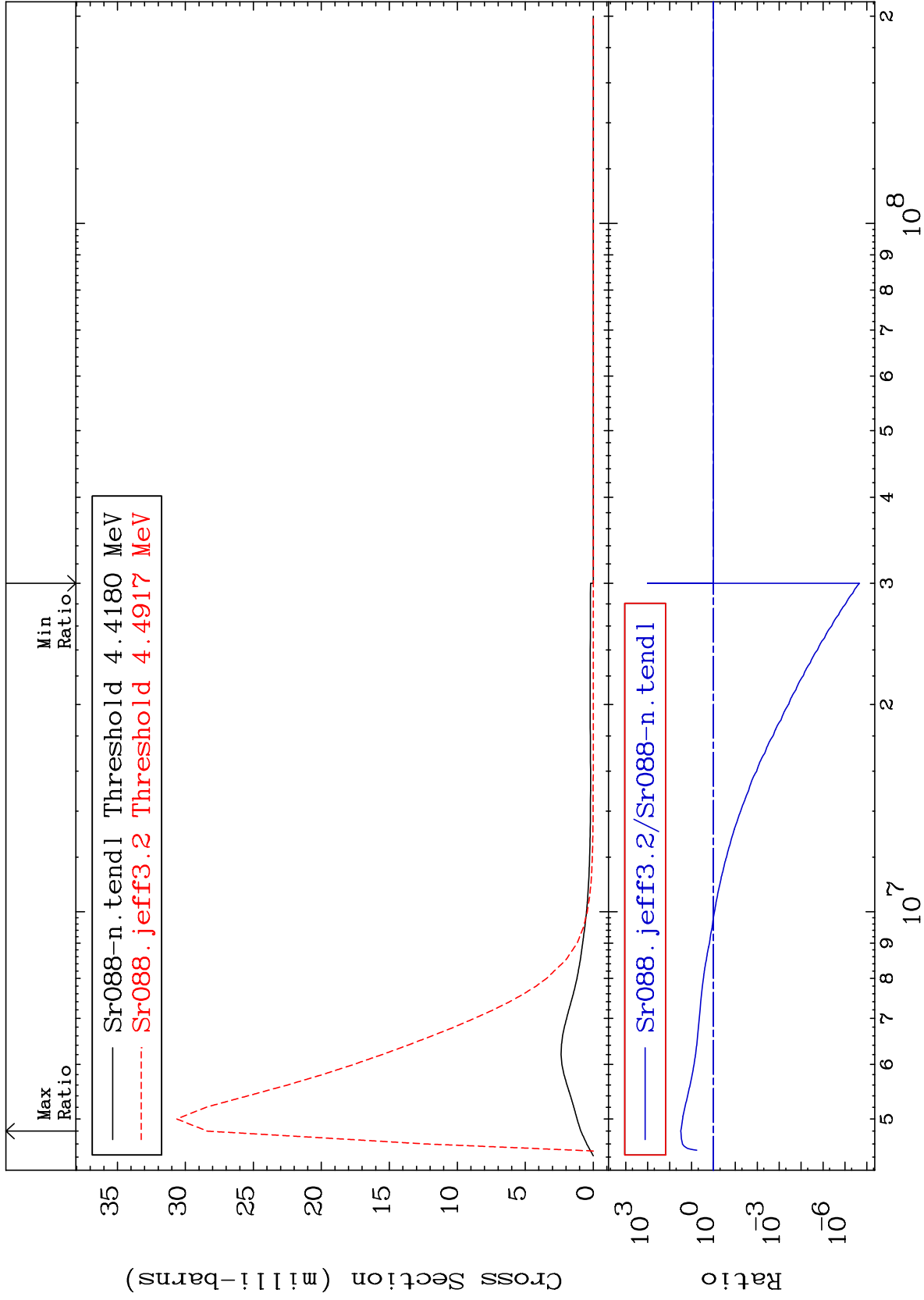
MAT 3837

4.368 MeV (n,n') Level

³⁸Sr-88

-100.0 To 2995. %

Cross Section



39

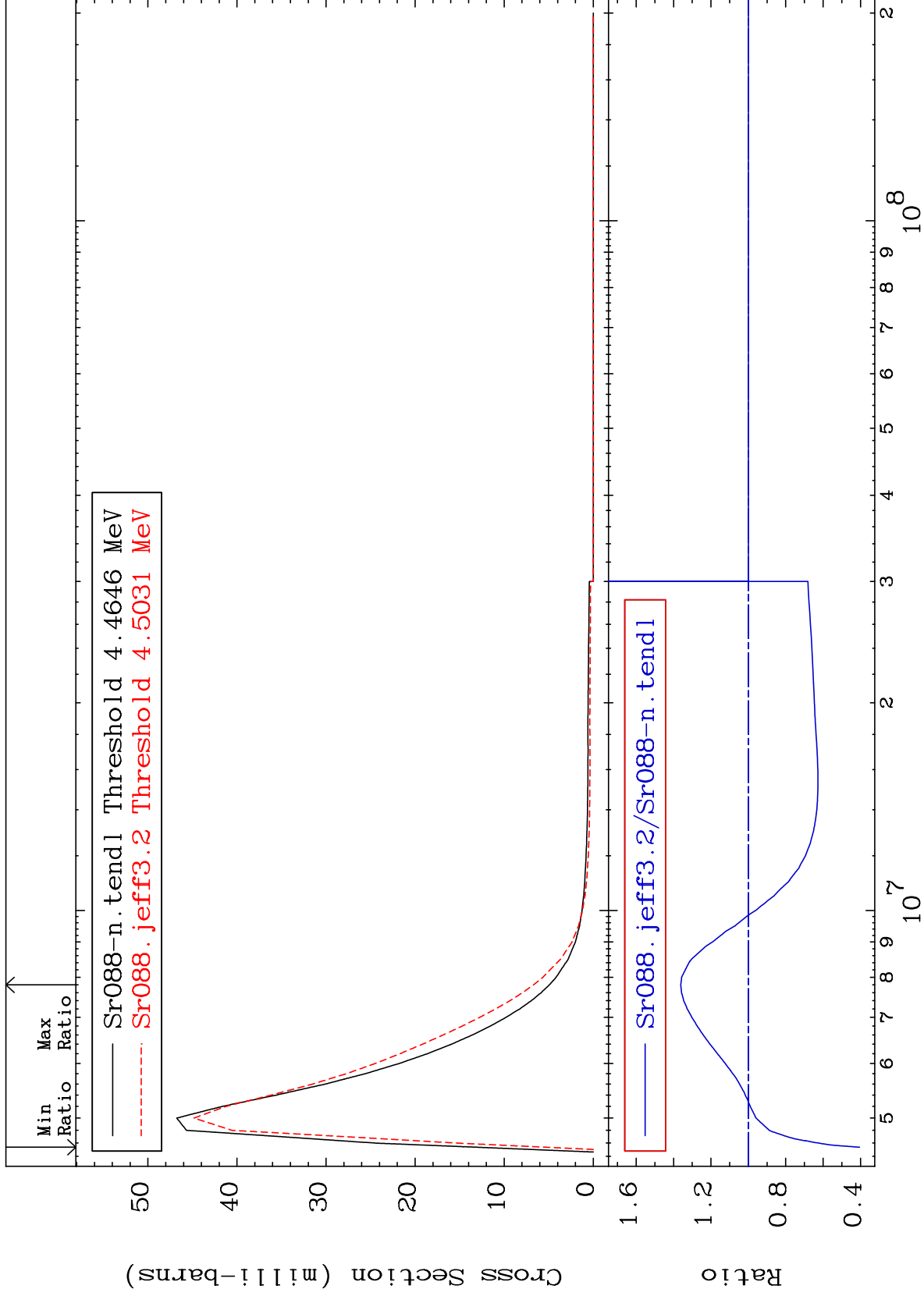
Incident Energy (eV)

³⁸Sr-88

MAT 3837

4.414 MeV (n,n') Level
Cross Section

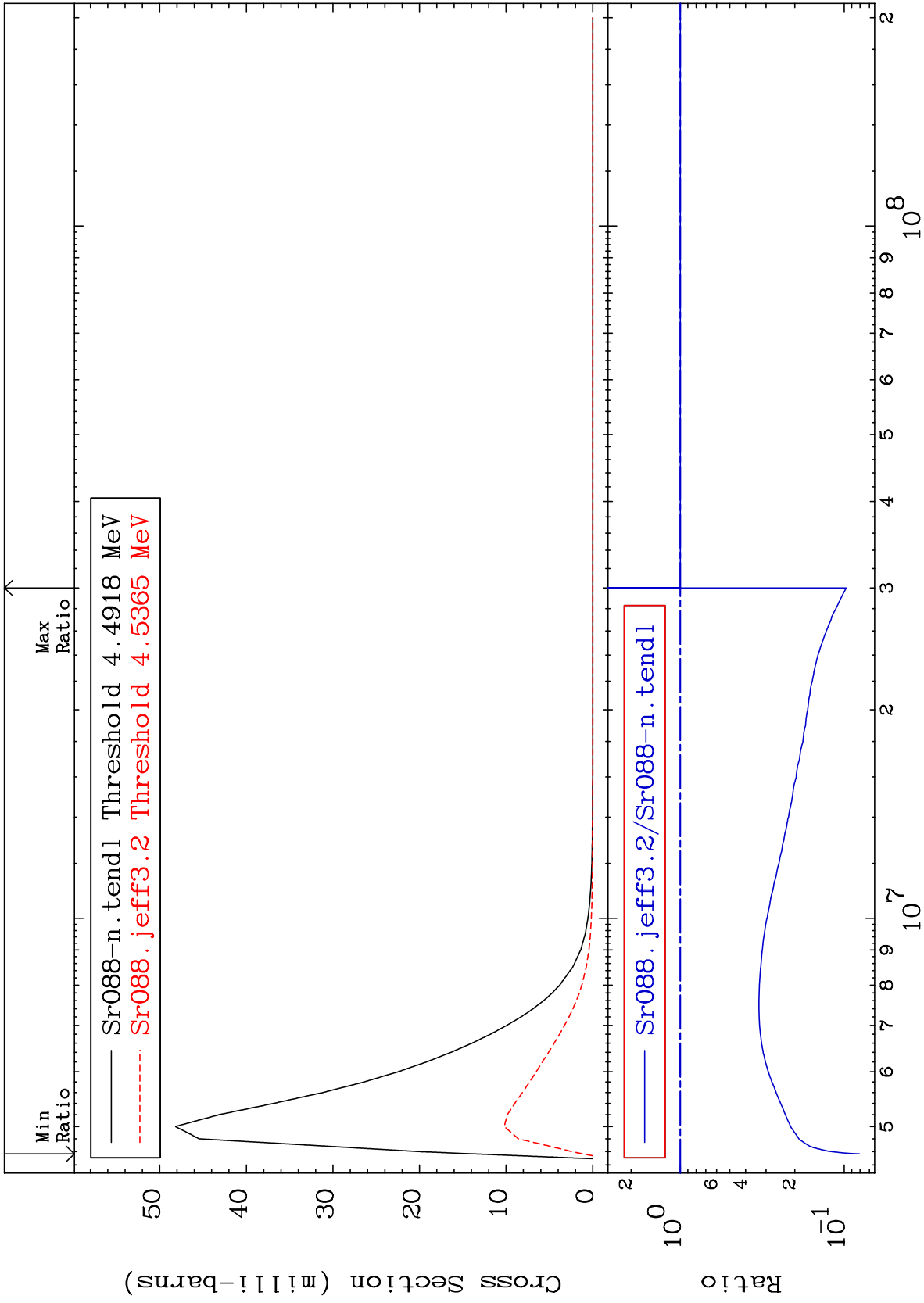
38-Sr-88
-59.50 To 36.14 %



40

Incident Energy (eV)

38-Sr-88



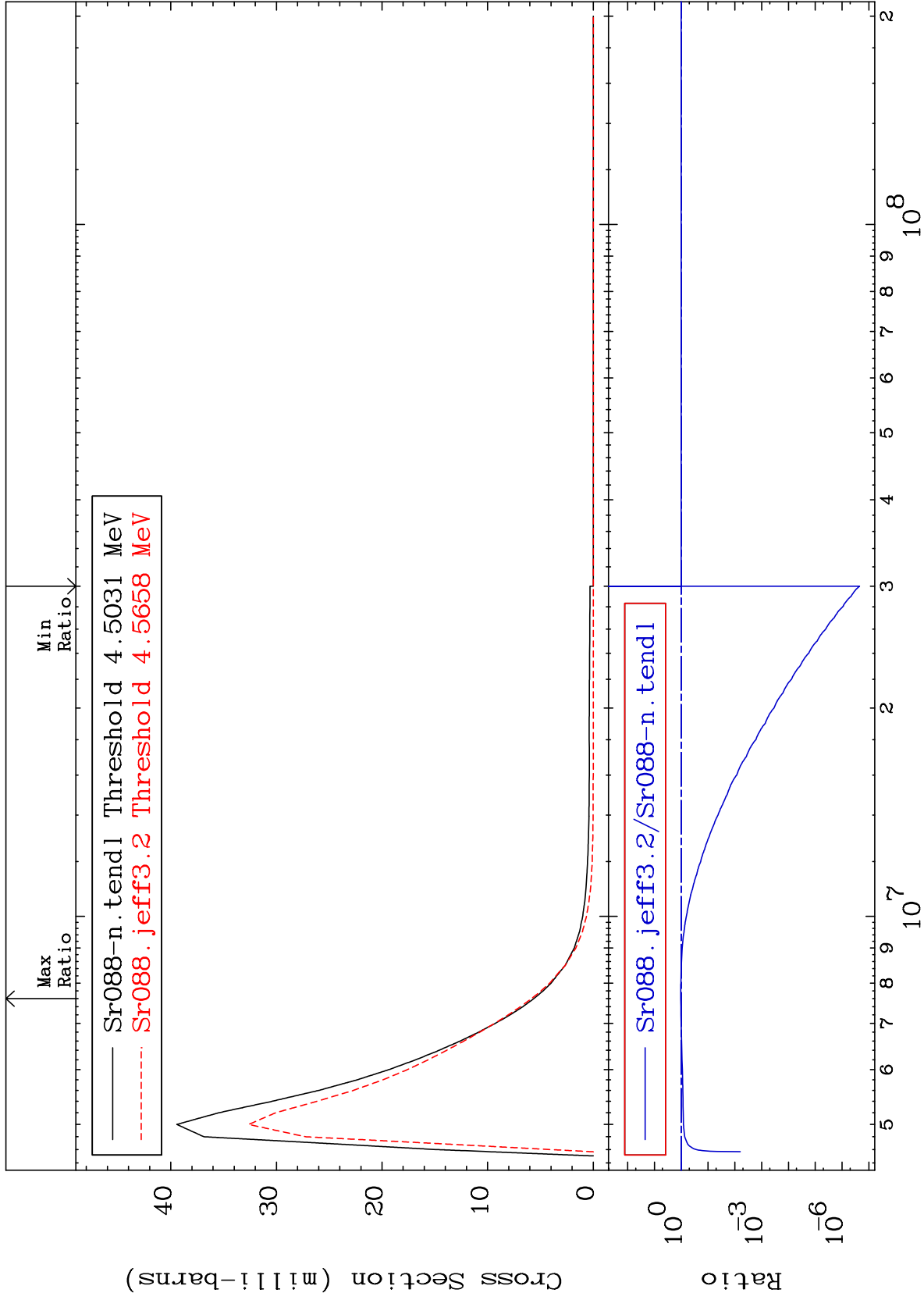
MAT 3837

4.452 MeV (n,n') Level

38-Sr-88

Cross Section

-100.0 To 3.961 %

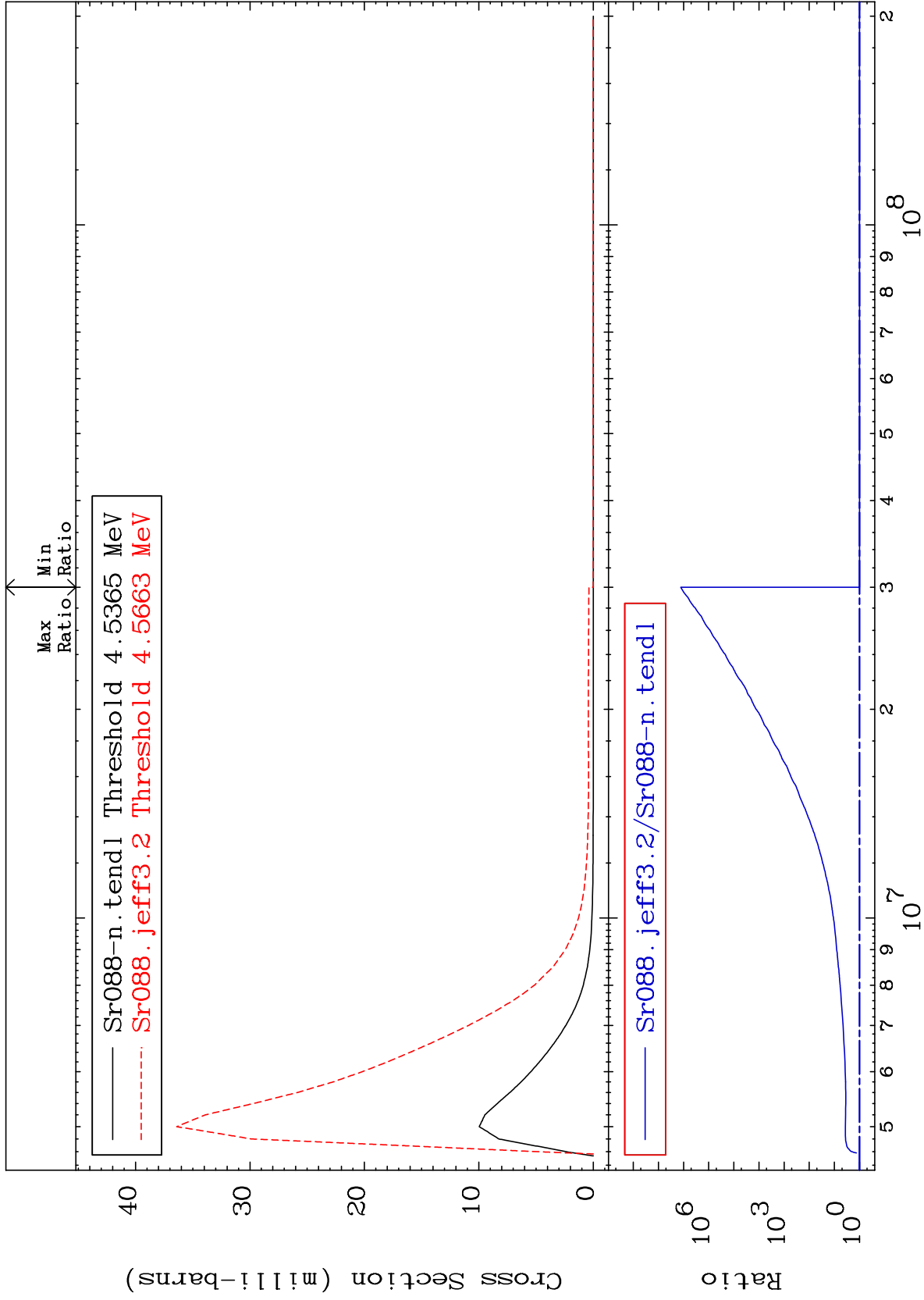


MAT 3837

4.485 MeV (n,n') Level

38-Sr-88

0.000 To 9999. %



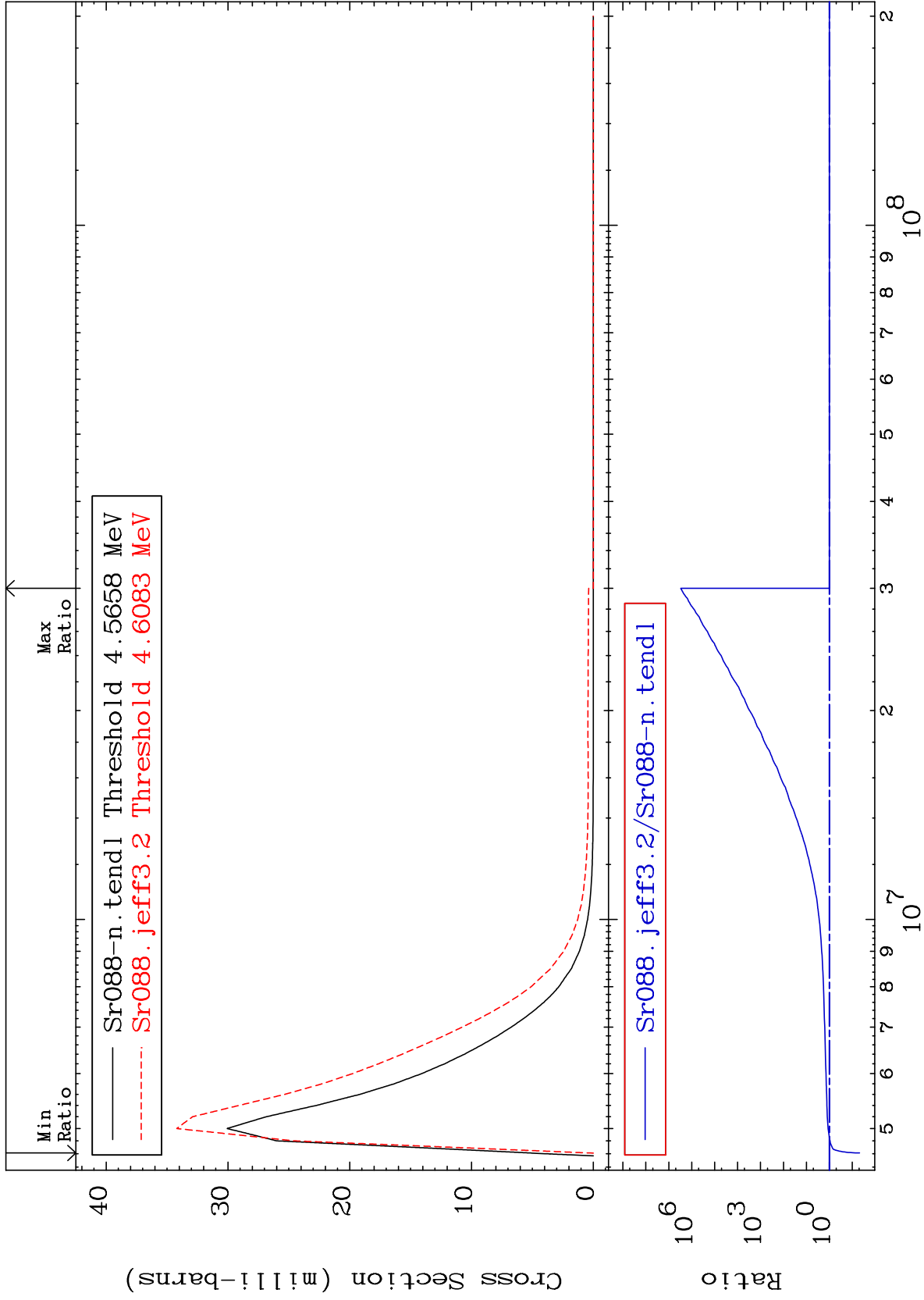
MAT 3837

4.514 MeV (n,n') Level

38-Sr-88

-95.17 To 9999. %

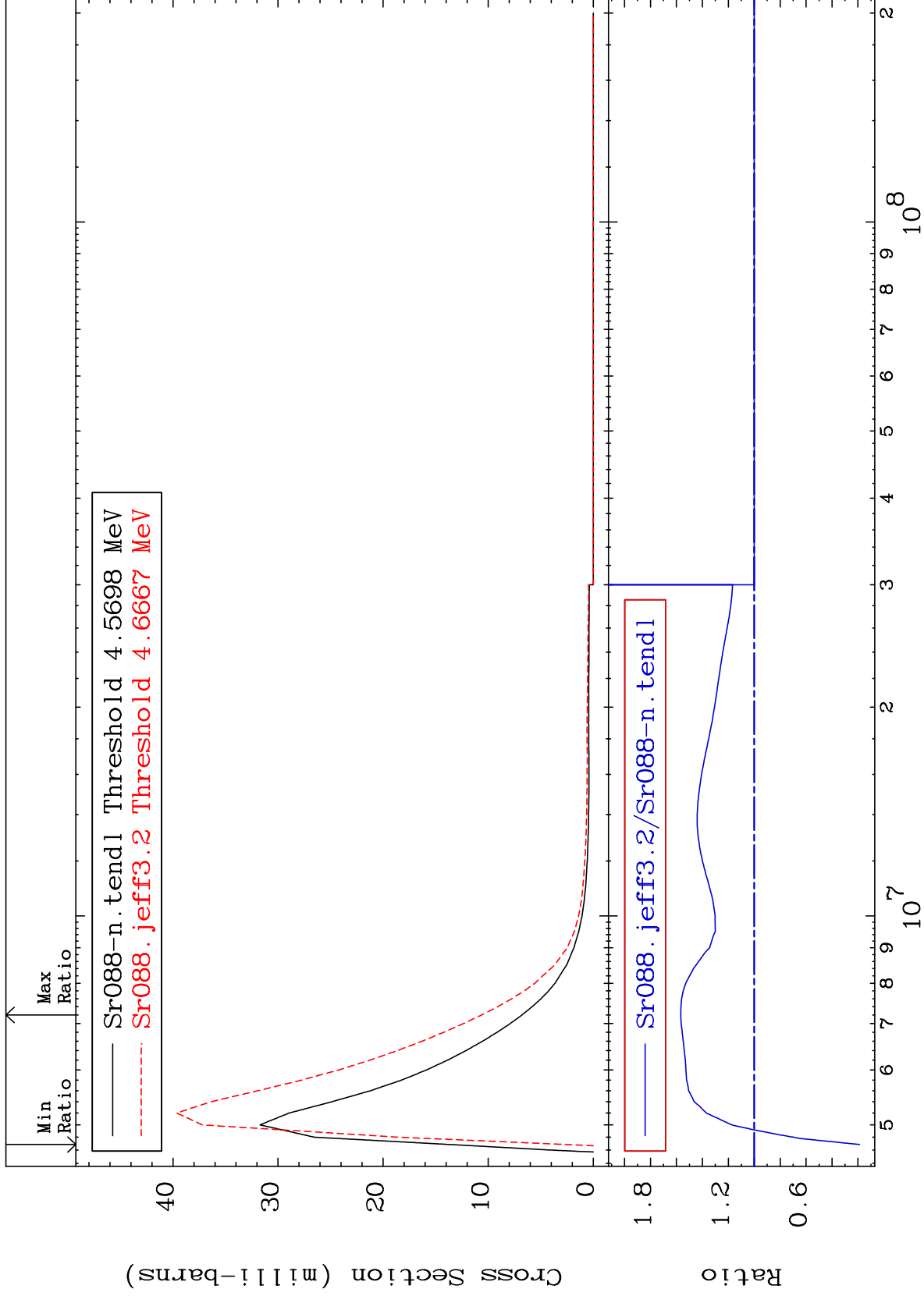
Cross Section



MAT 3837

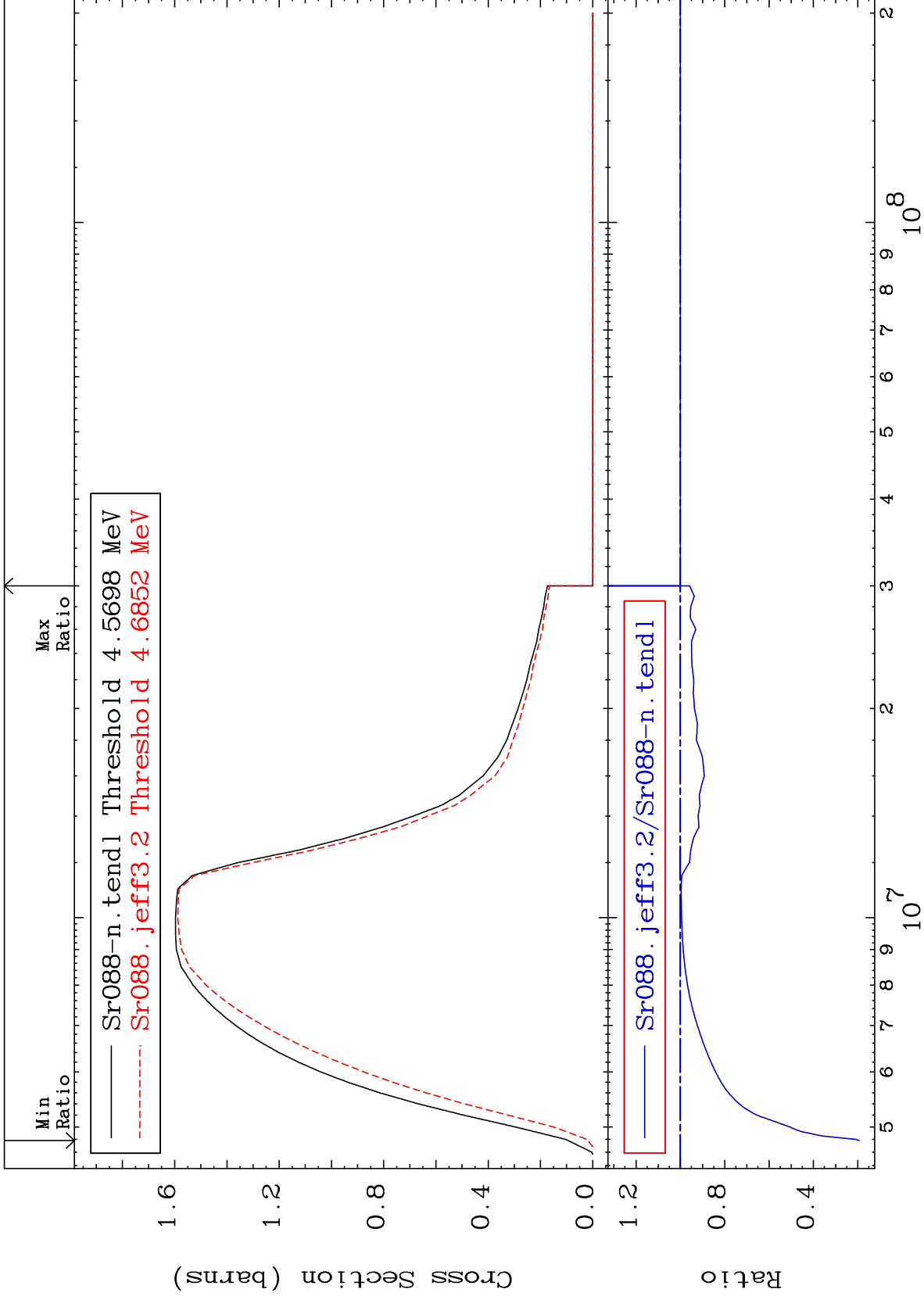
4.518 MeV (n,n') Level
Cross Section

38-Sr-88
-81.21 To 56.67 %



45

38-Sr-88

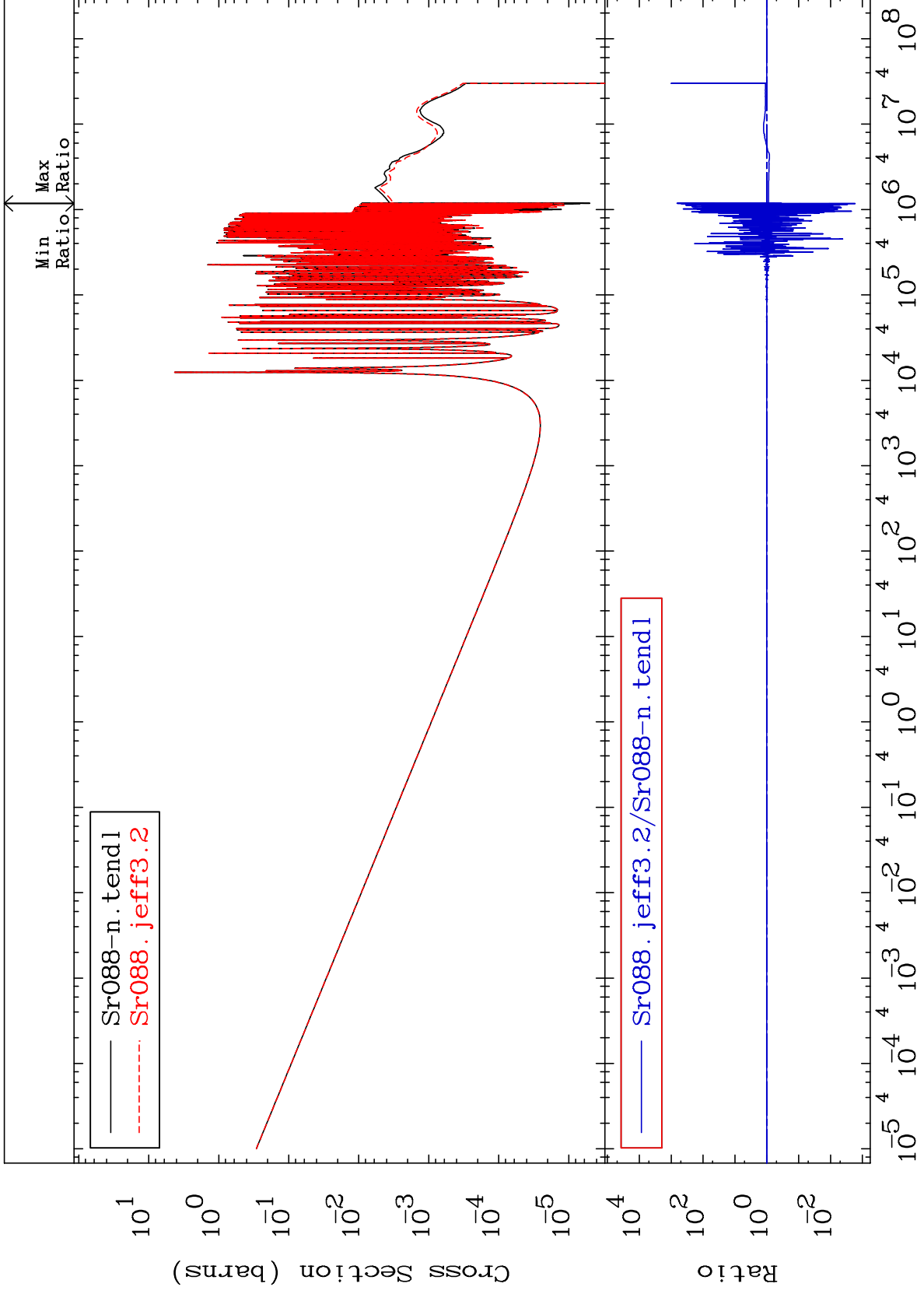


MAT 3837

(n, γ)

Cross Section

38-Sr-88
-99.83 To 9999. %



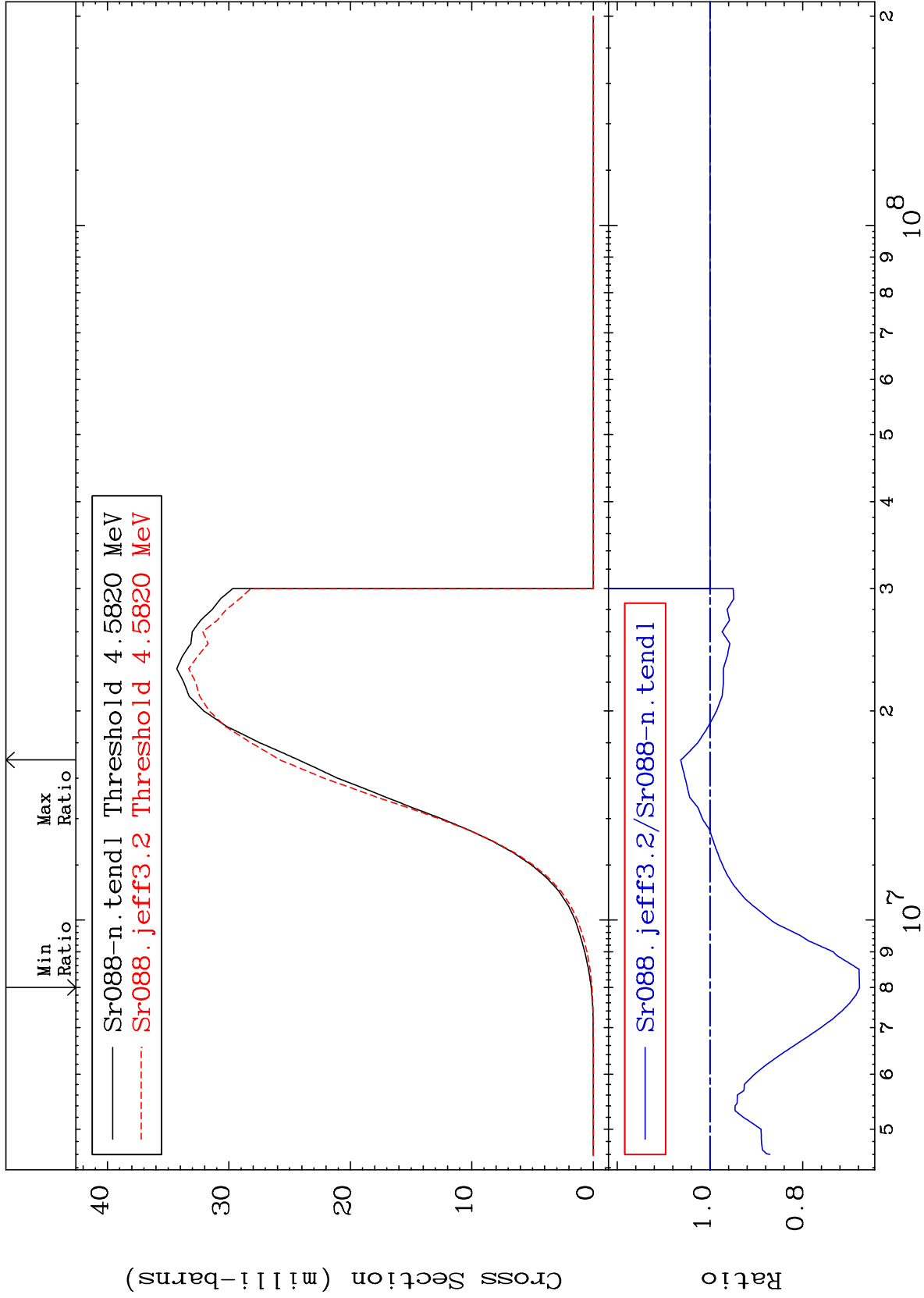
MAT 3837

(n,p)

³⁸Sr-88

Cross Section

-32.22 To 6.292 %



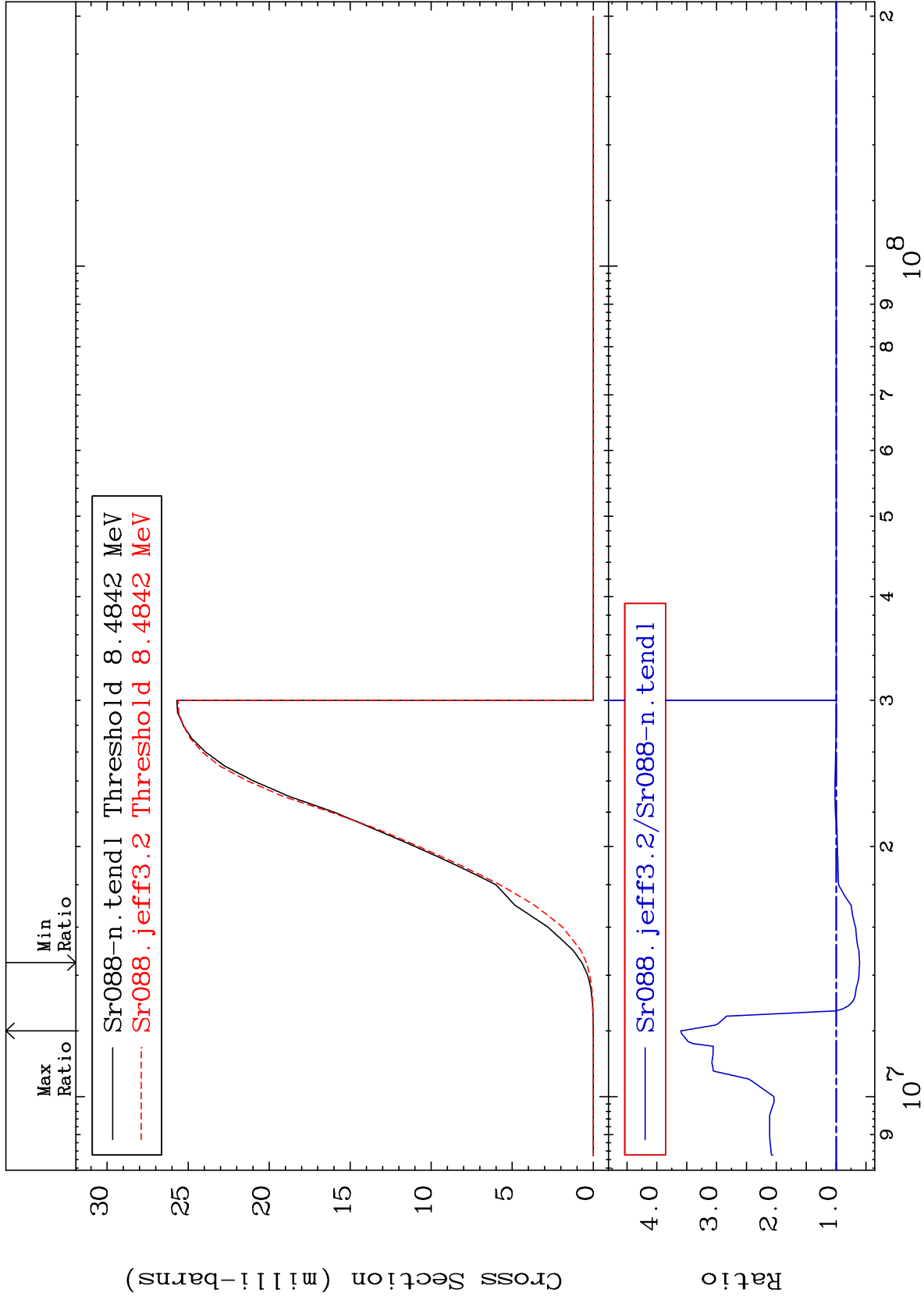
48

Incident Energy (eV)

³⁸Sr-88

Cross Section

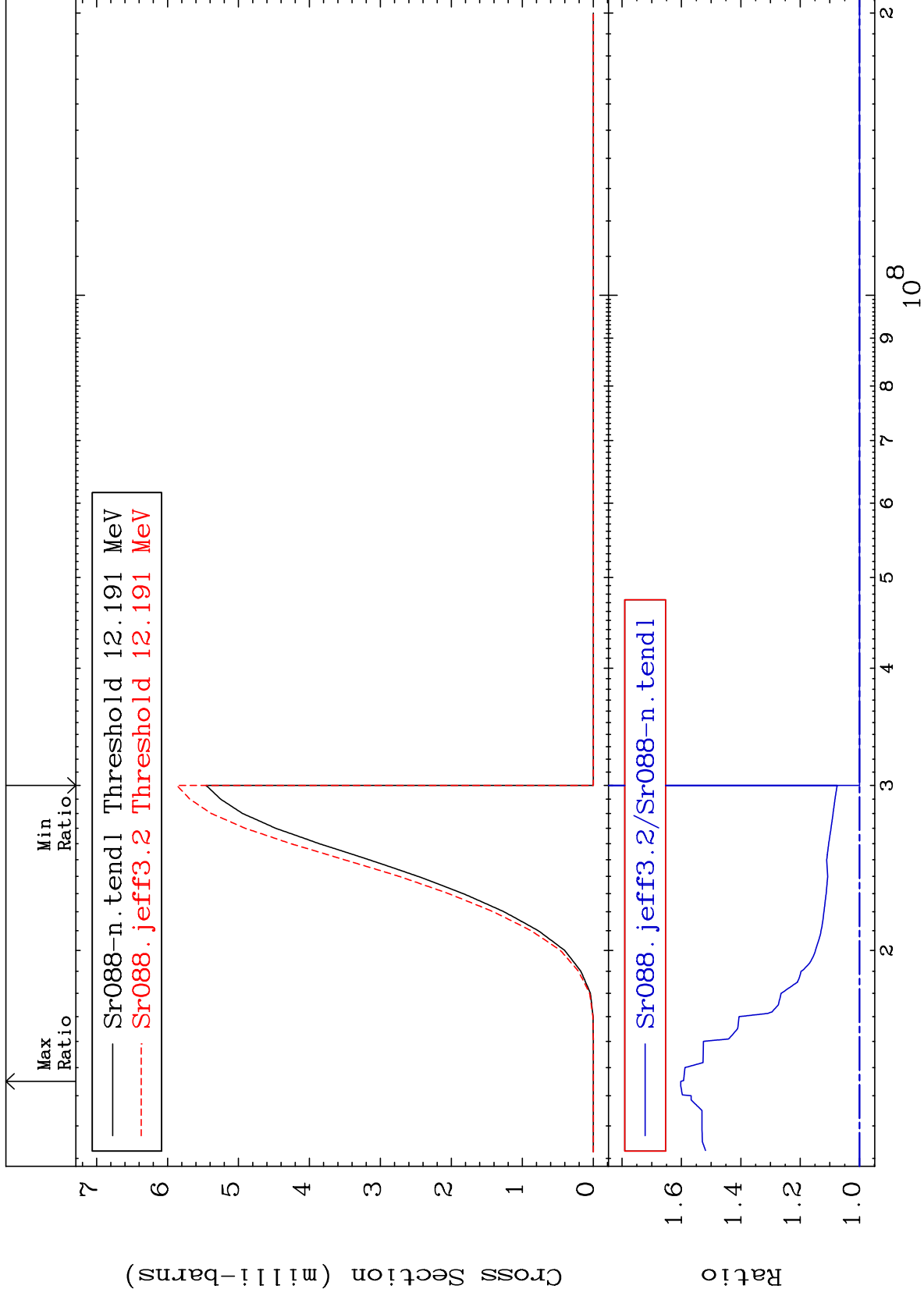
-39.18 To 260.0 %

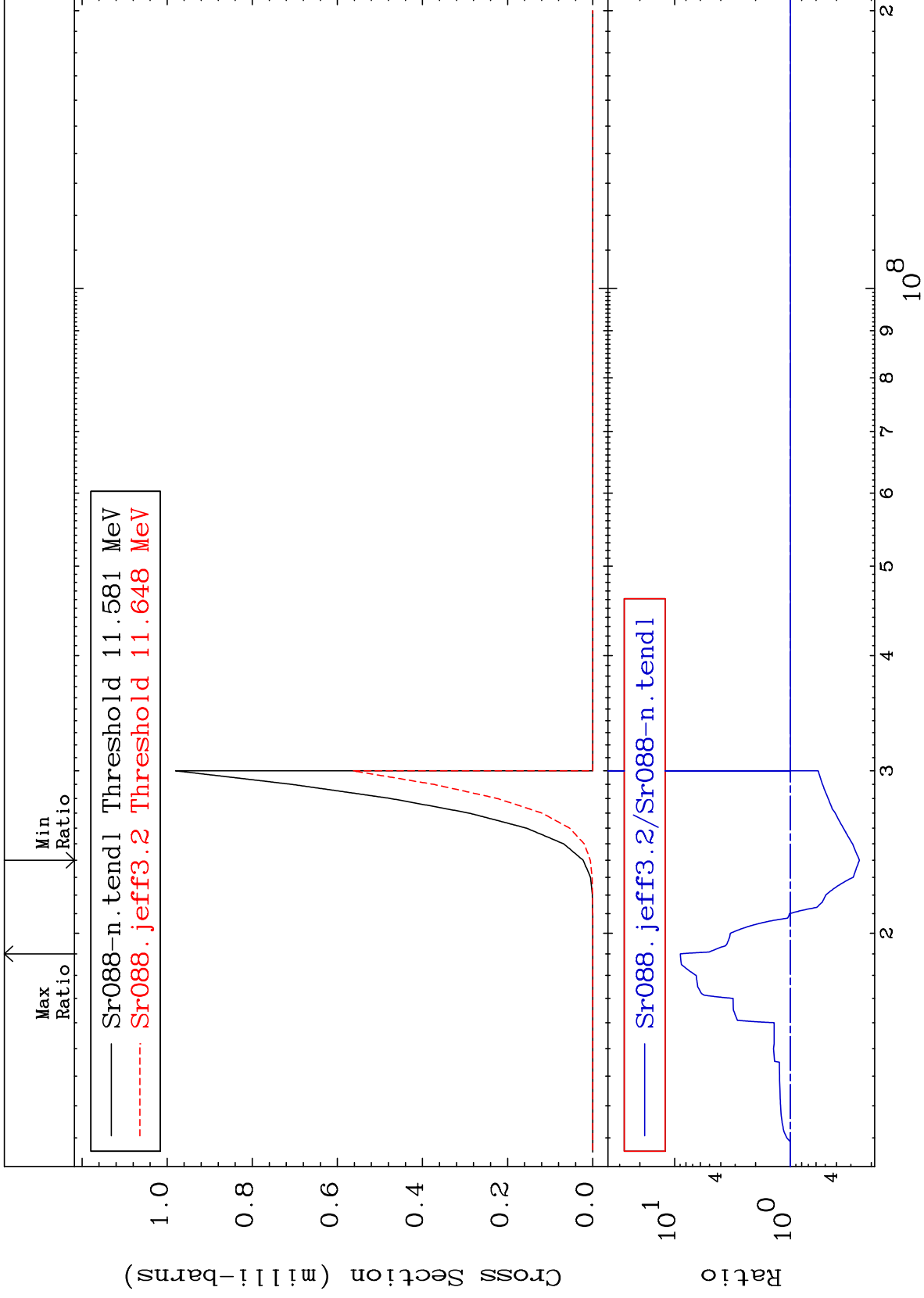


MAT 3837

(n, t)
Cross Section

38-Sr-88
0.000 To 60.22 %





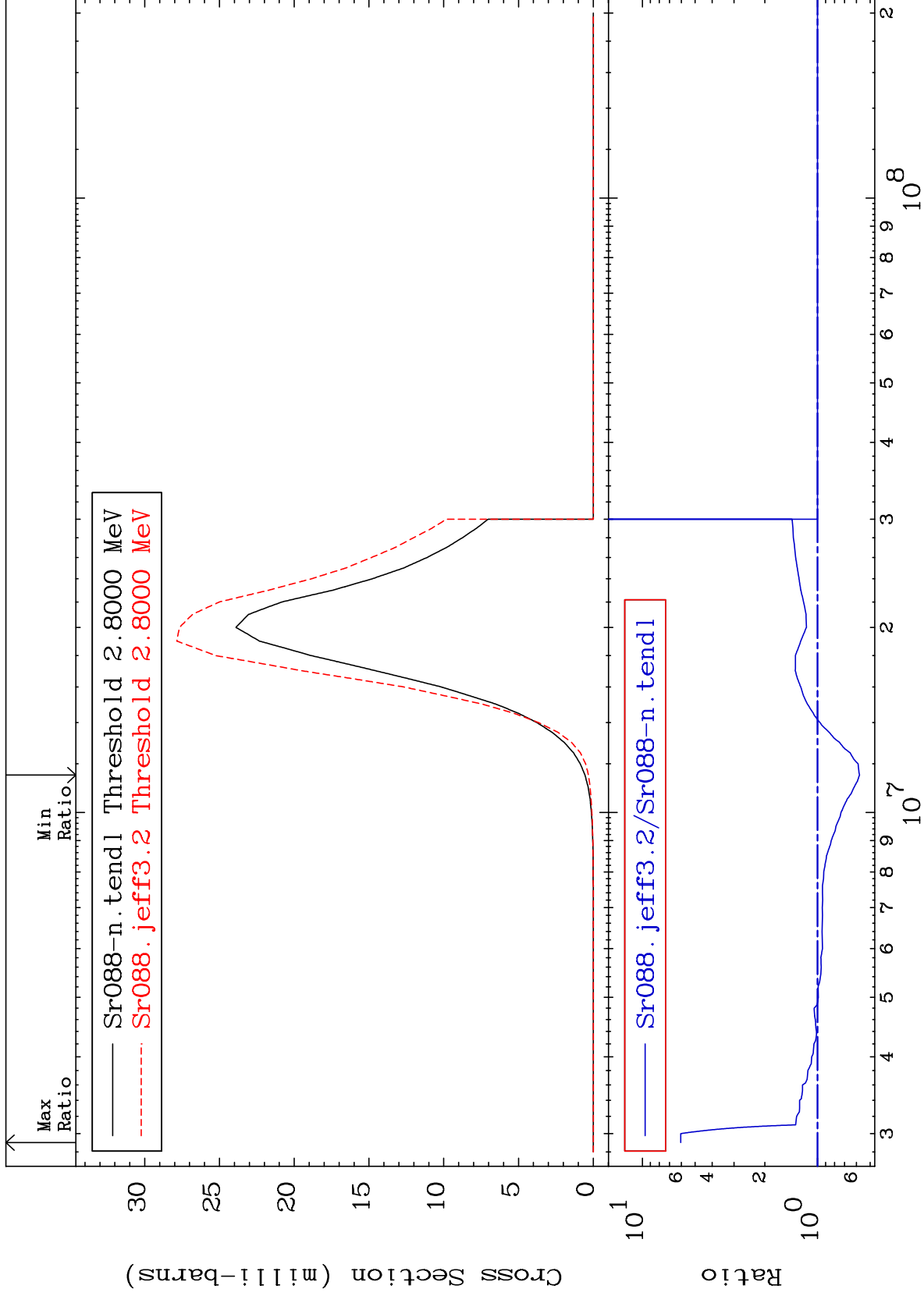
MAT 3837

(n, α)

38-Sr-88

Cross Section

-42.45 To 503.8 %



52

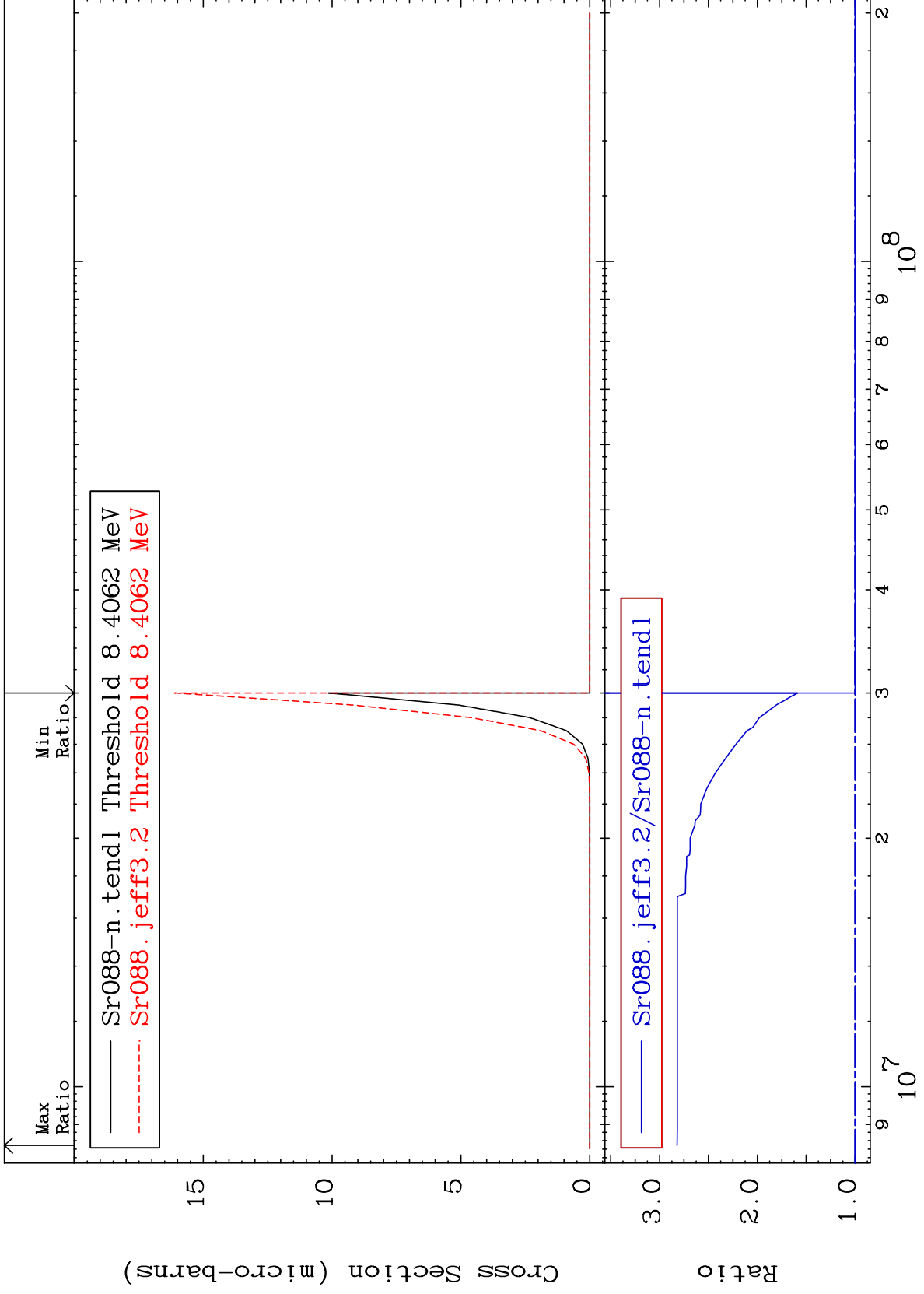
Incident Energy (eV)

38-Sr-88

MAT 3837

(n,2α)

38-Sr-88
0.000 To 182.3 %
Cross Section



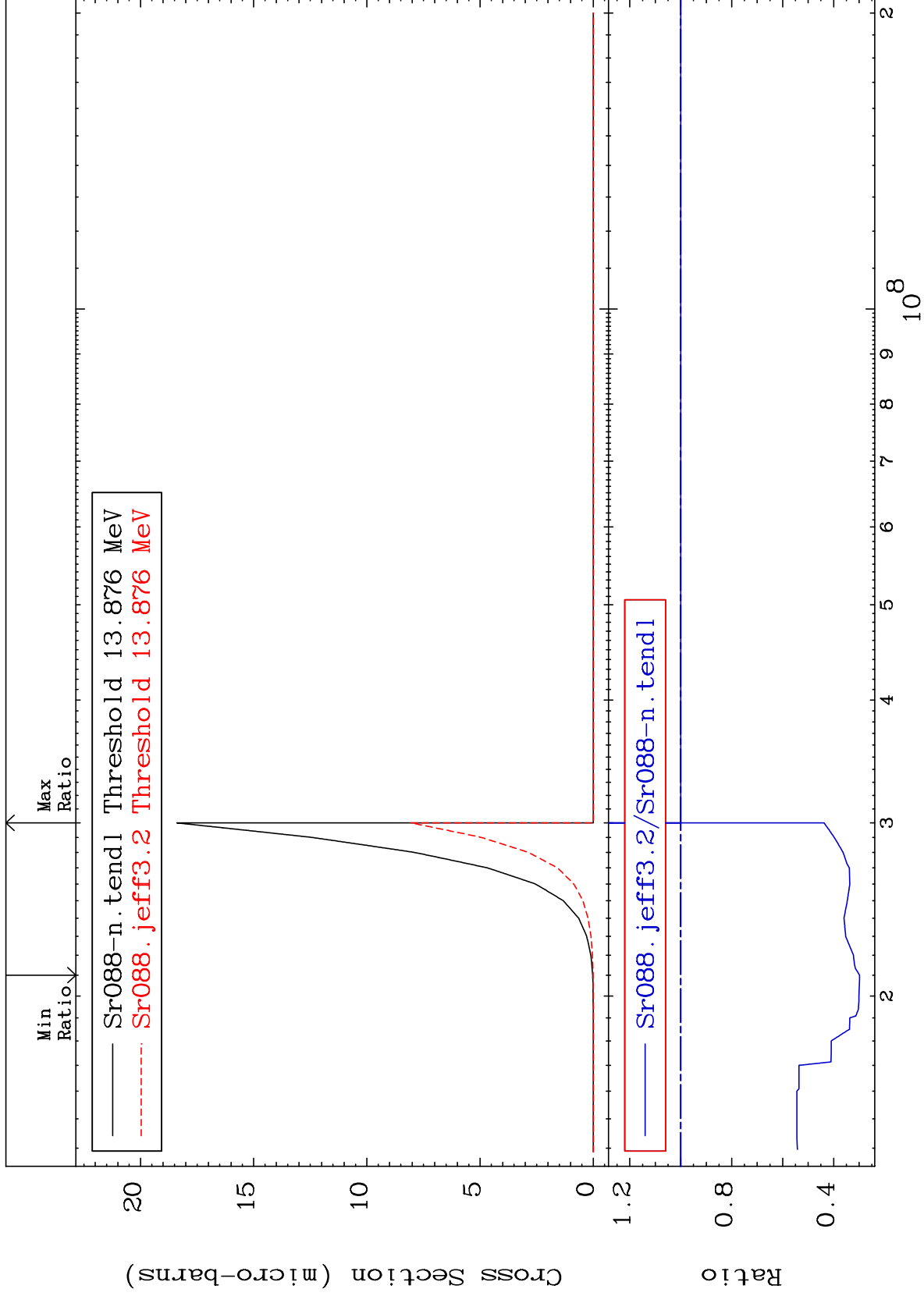
MAT 3837

(n,2p)

38-Sr-88

Cross Section

-70.16 To 0.000 %



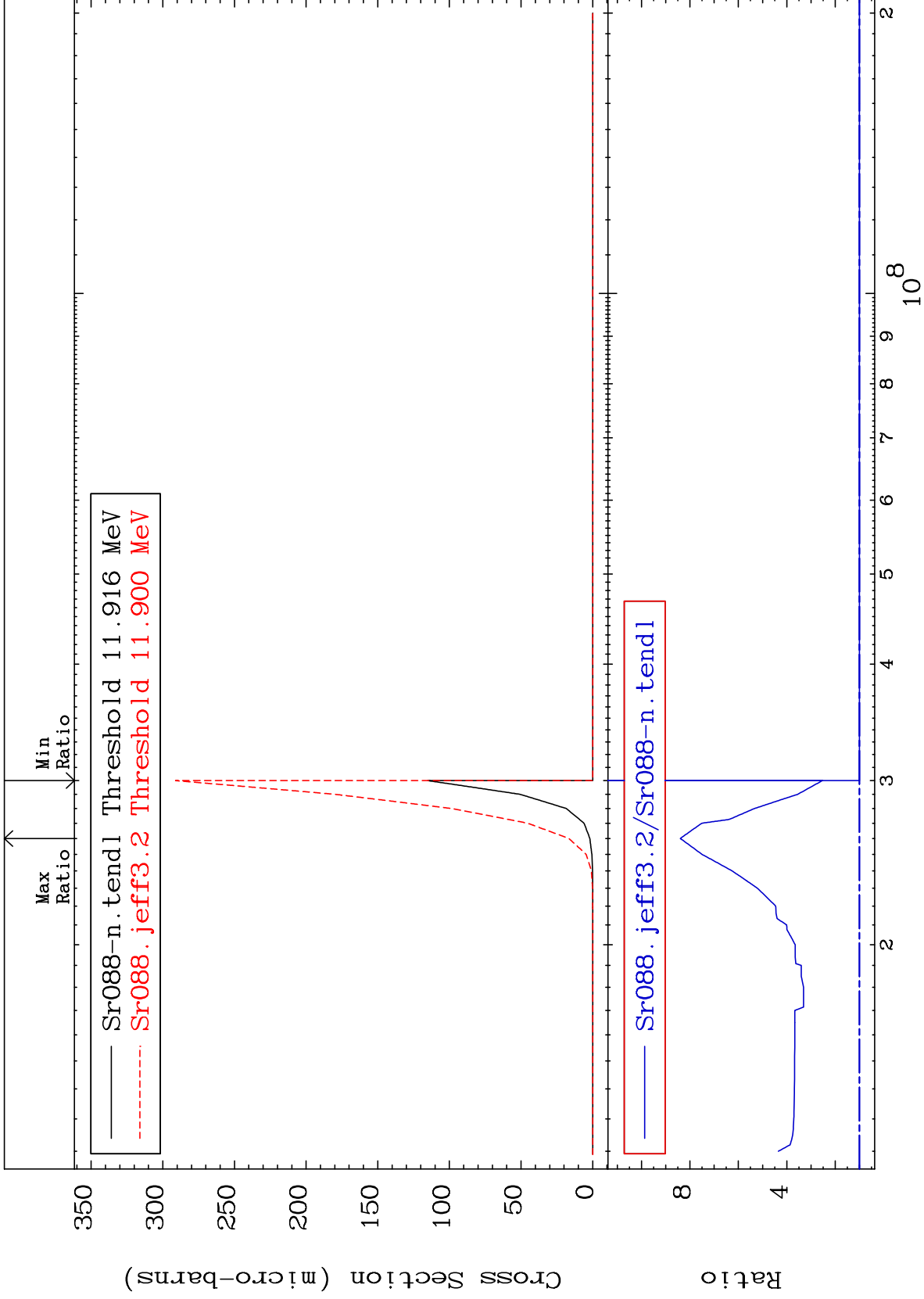
MAT 3837

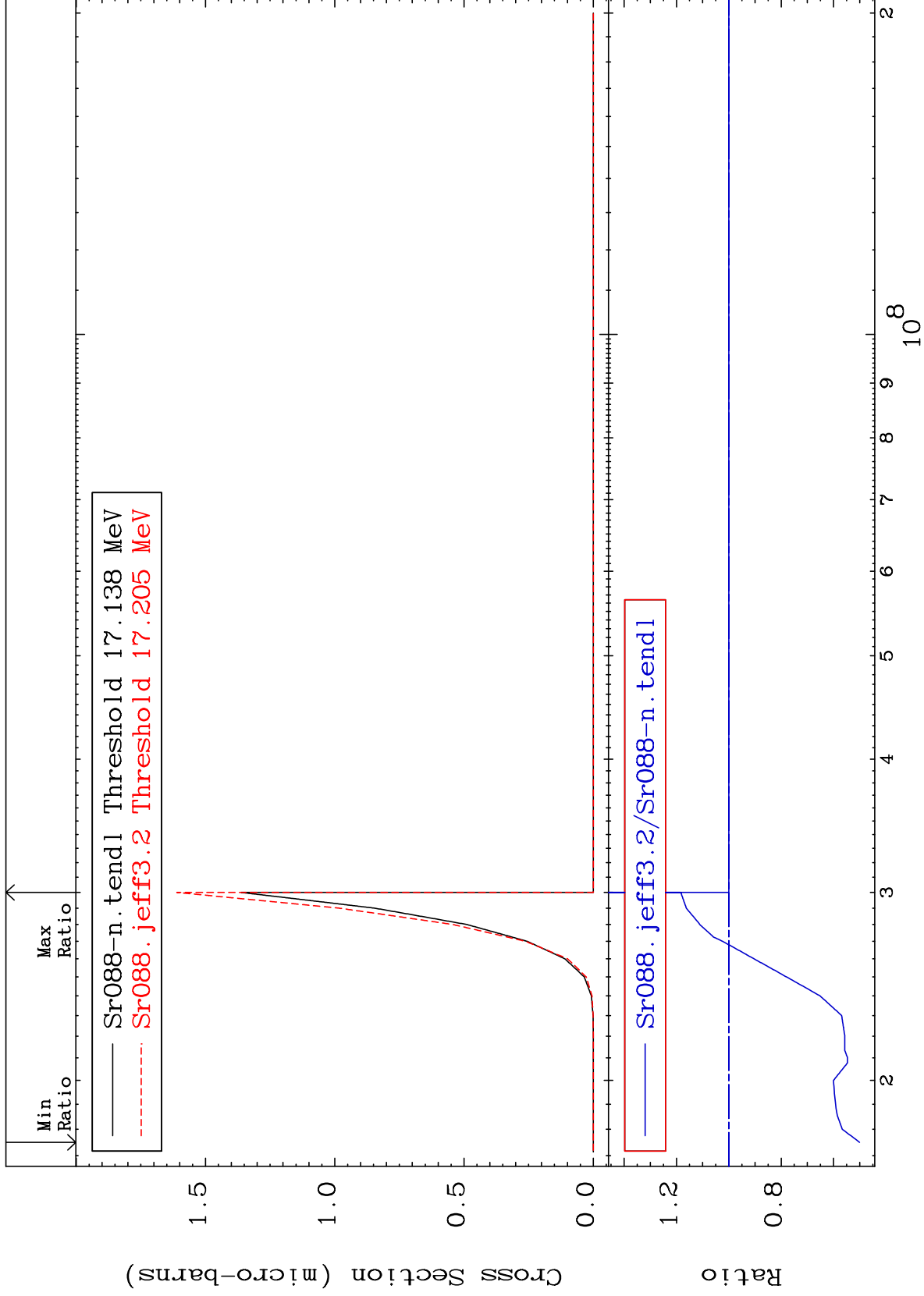
(n, p) α

³⁸Sr-88

Cross Section

0.000 To 739.6 %

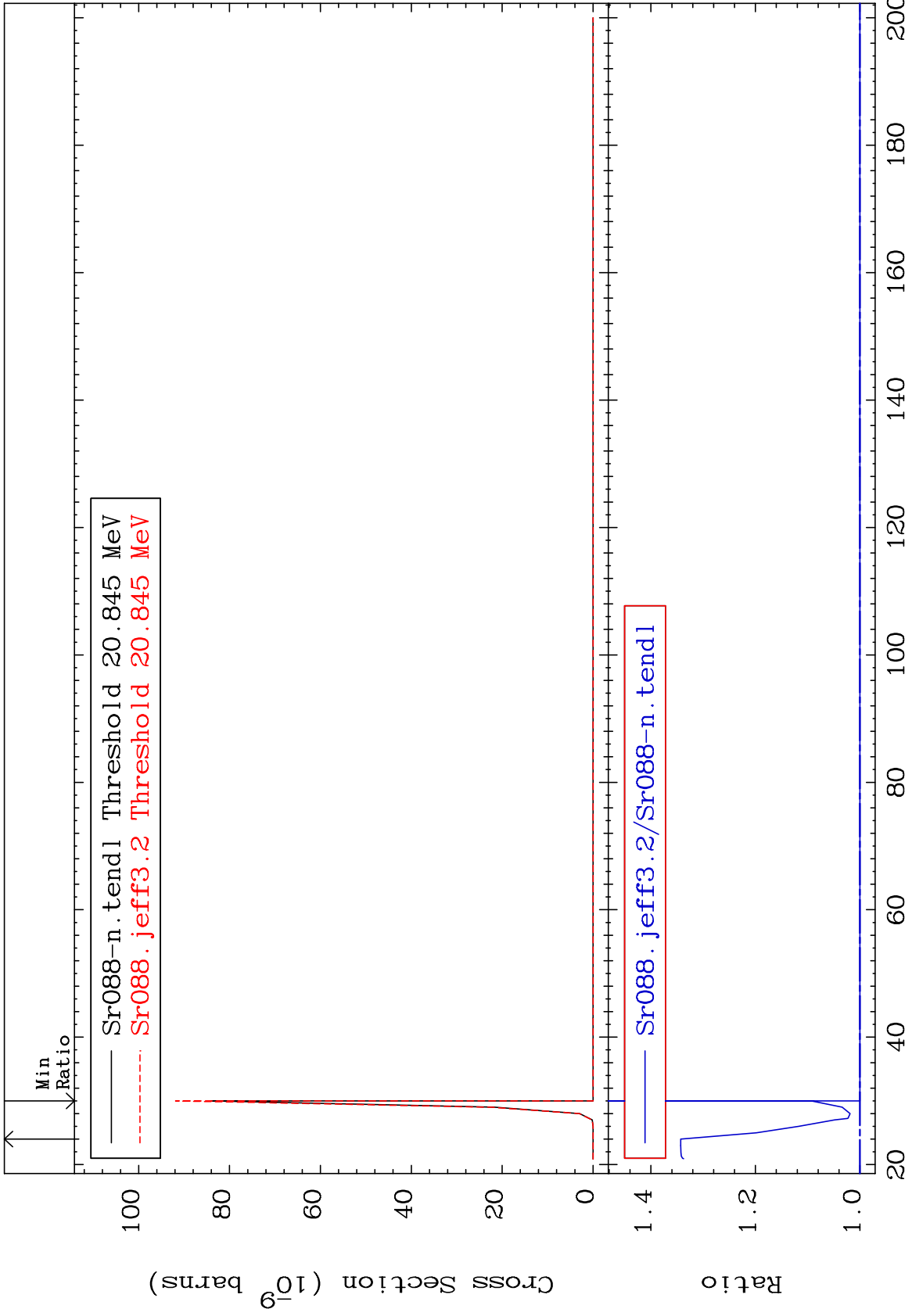




MAT 3837

(n,p) t
Cross Section

38-Sr-88
0.000 To 34.30 %



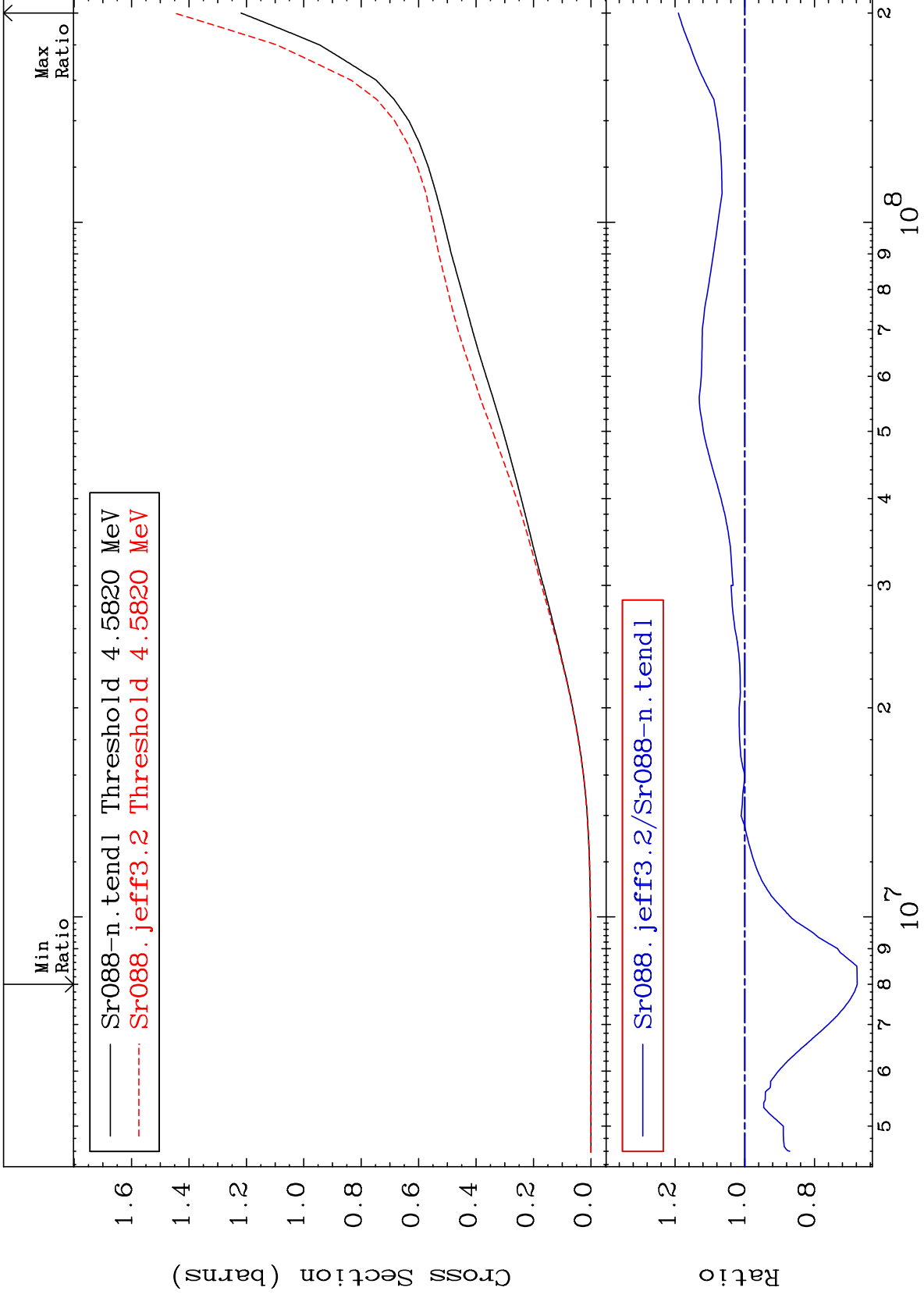
57

38-Sr-88

MAT 3837

Hydrogen Production
Cross Section

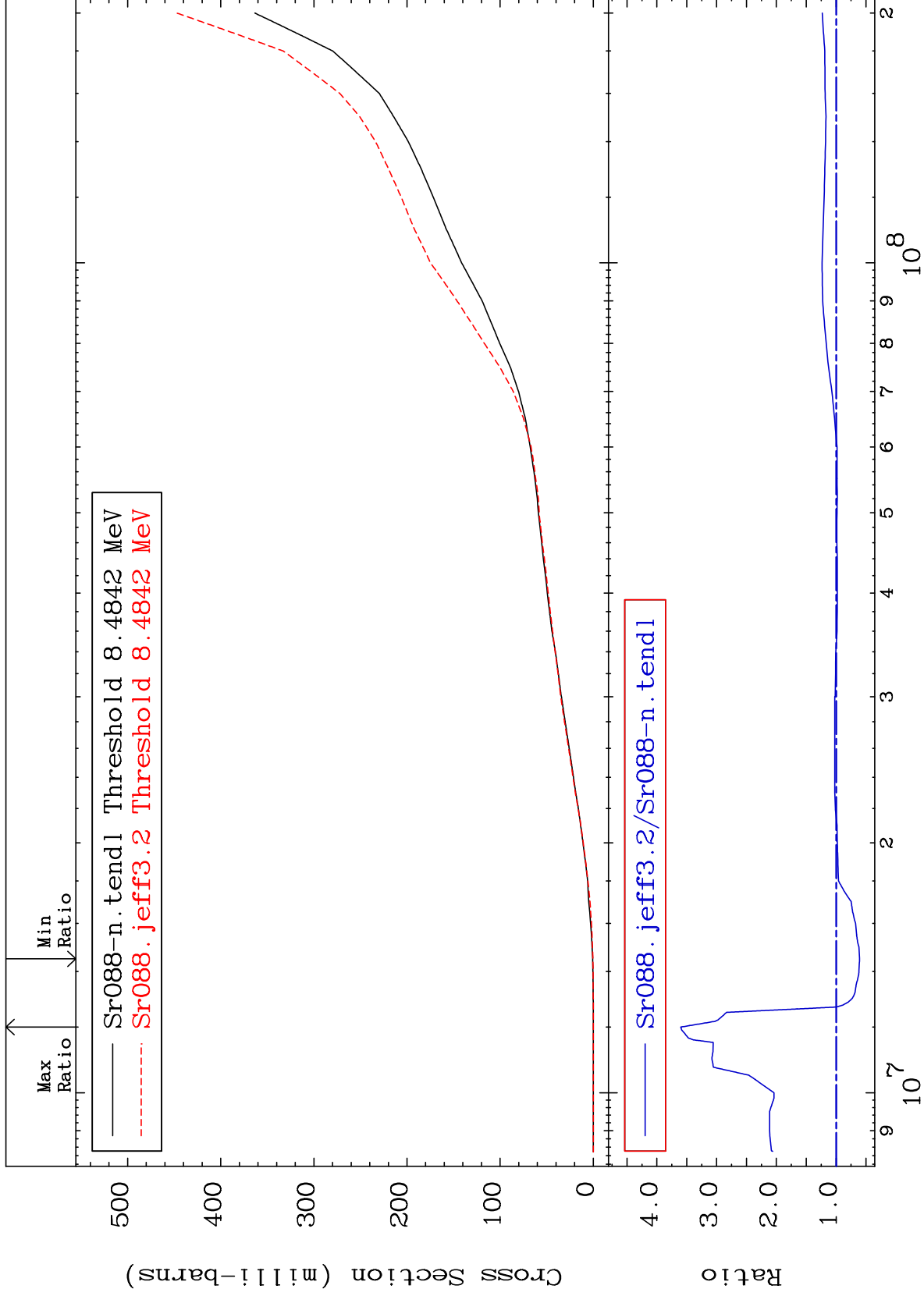
38-Sr-88
-32.22 To 19.04 %



MAT 3837

Deuterium Production
Cross Section

38-Sr-88
-39.18 To 260.0 %



60

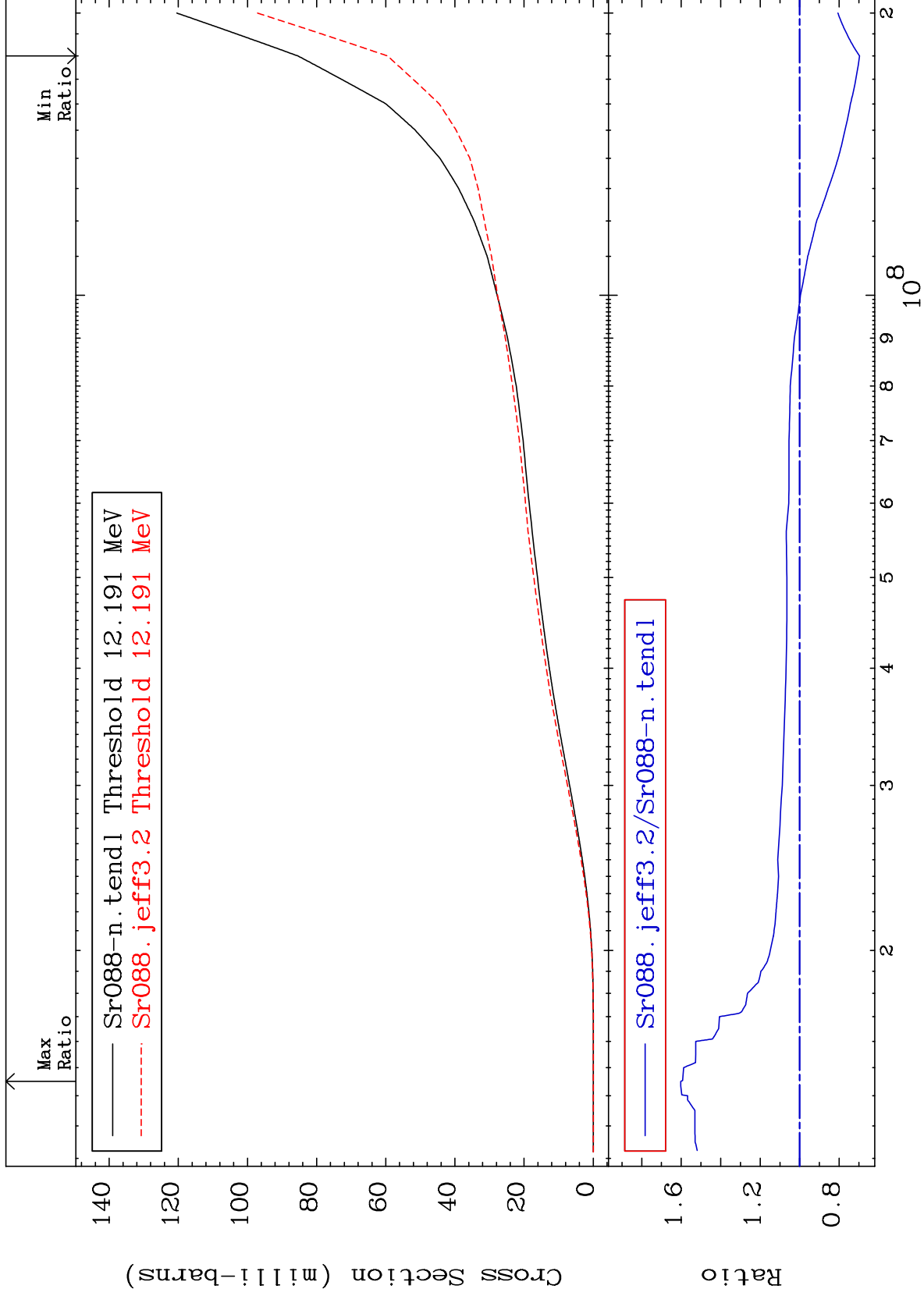
Incident Energy (eV)

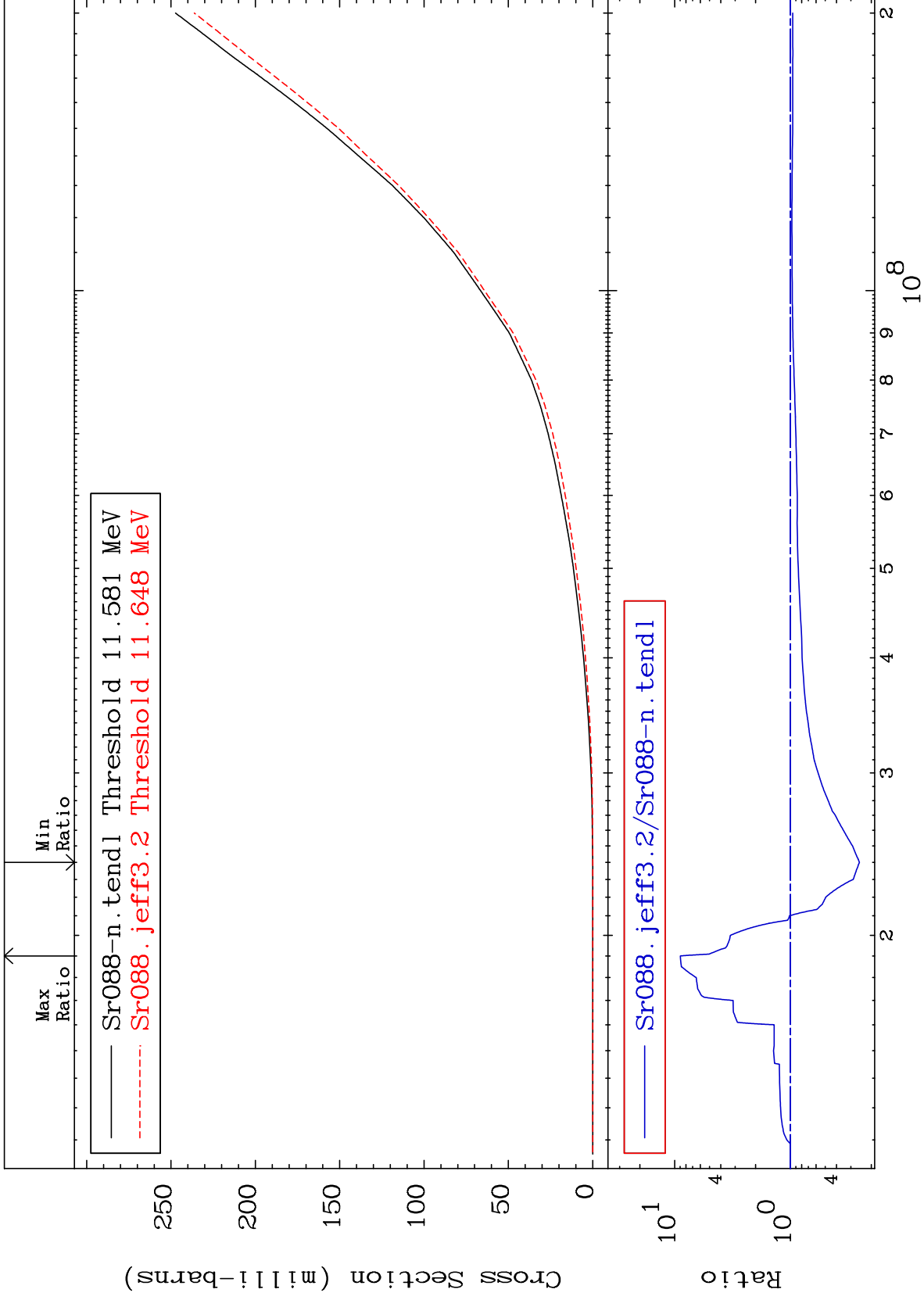
38-Sr-88

MAT 3837

Tritium Production
Cross Section

38-Sr-88
-30.32 To 60.22 %

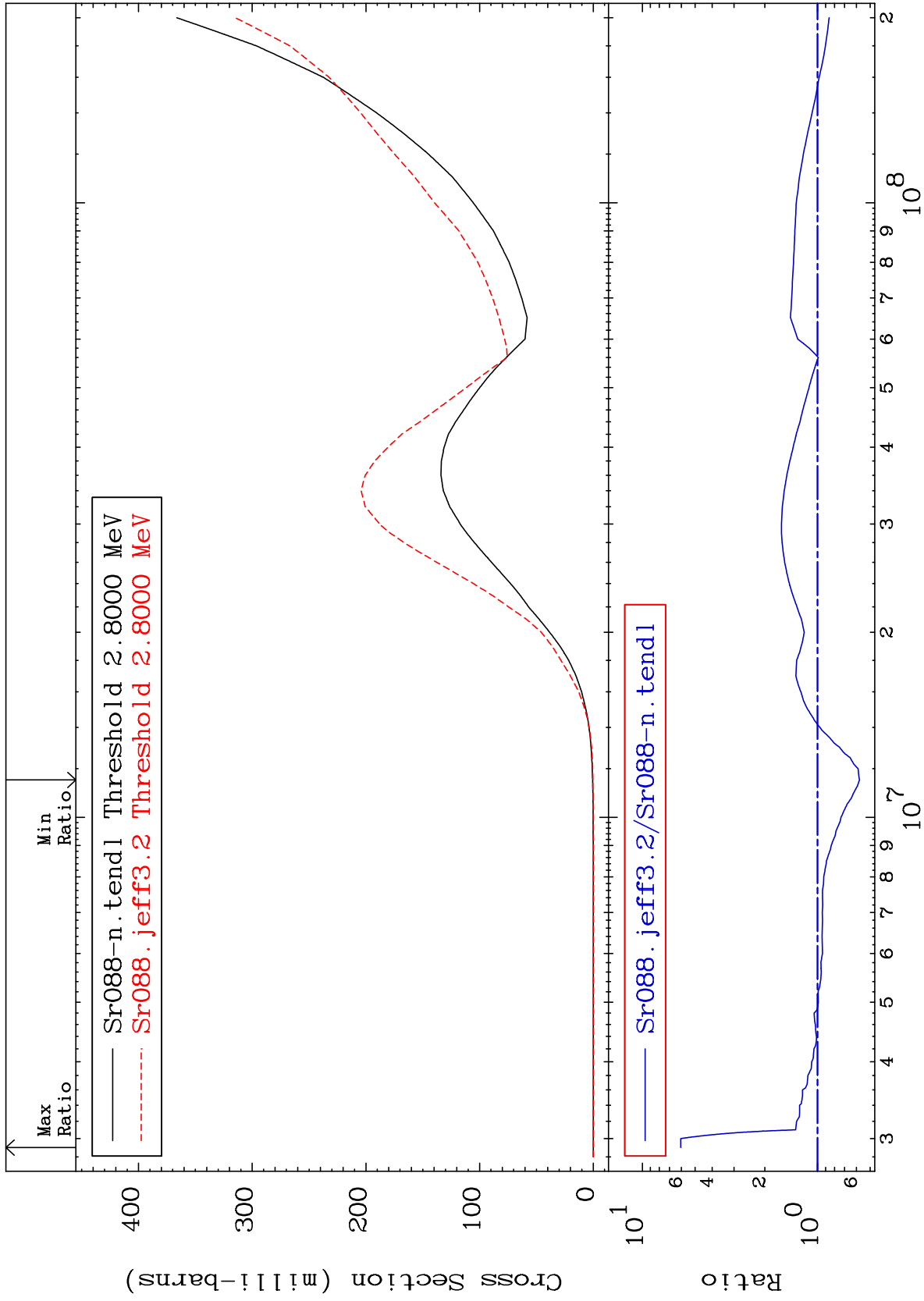


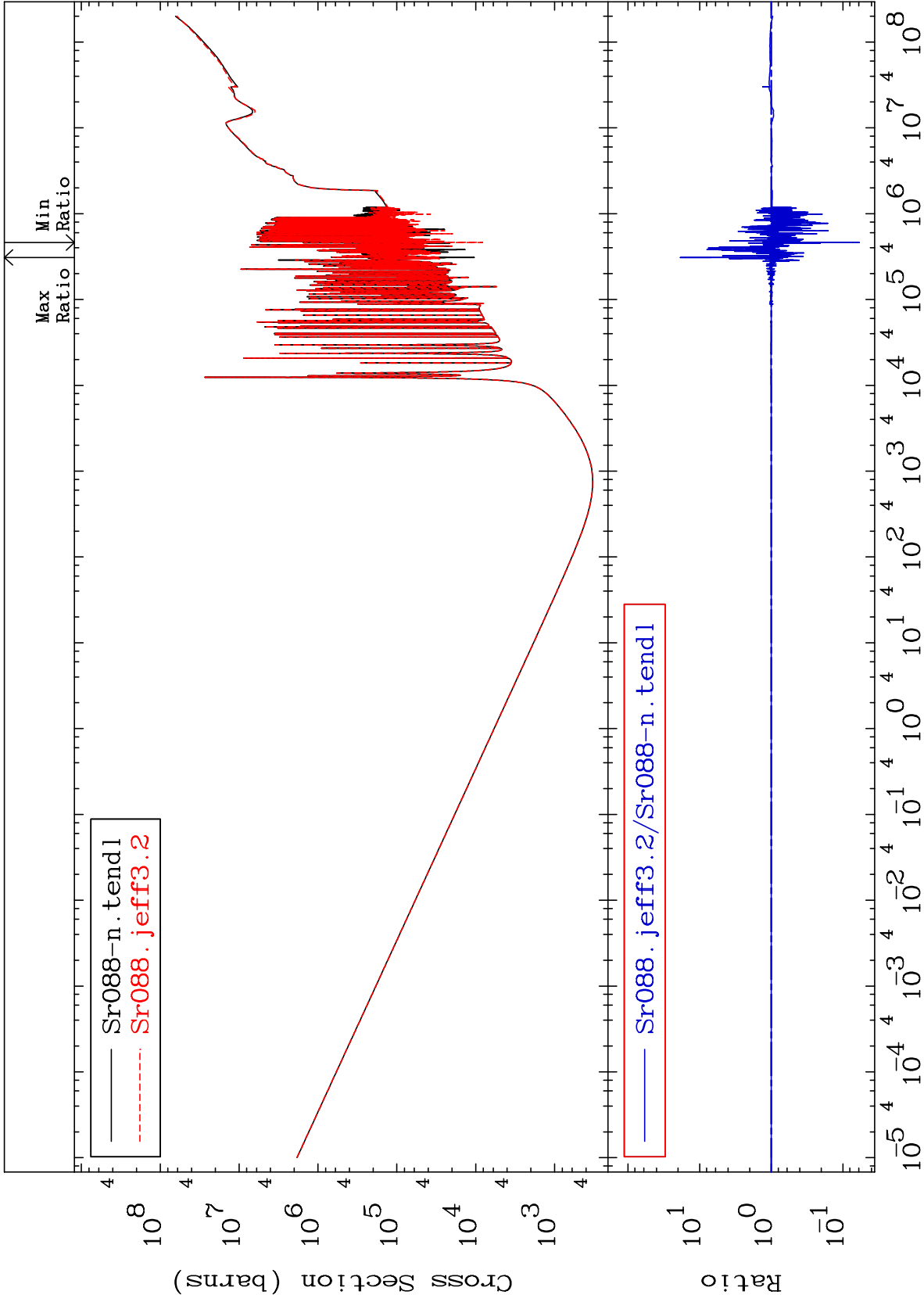


MAT 3837

He-4 Production
Cross Section

38-Sr-88
-42.45 To 503.8 %

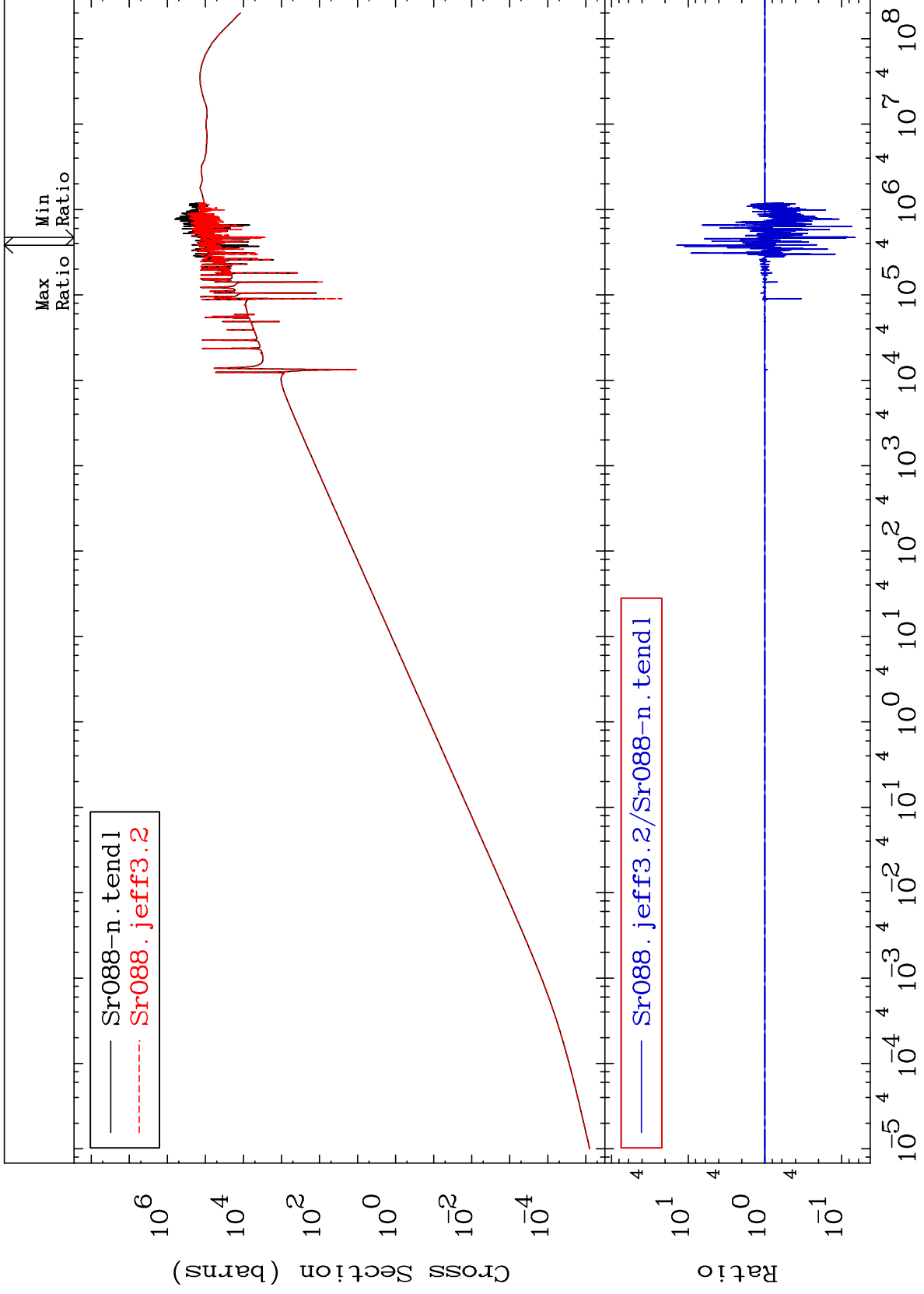




MAT 3837

Kerma elastic
Cross Section

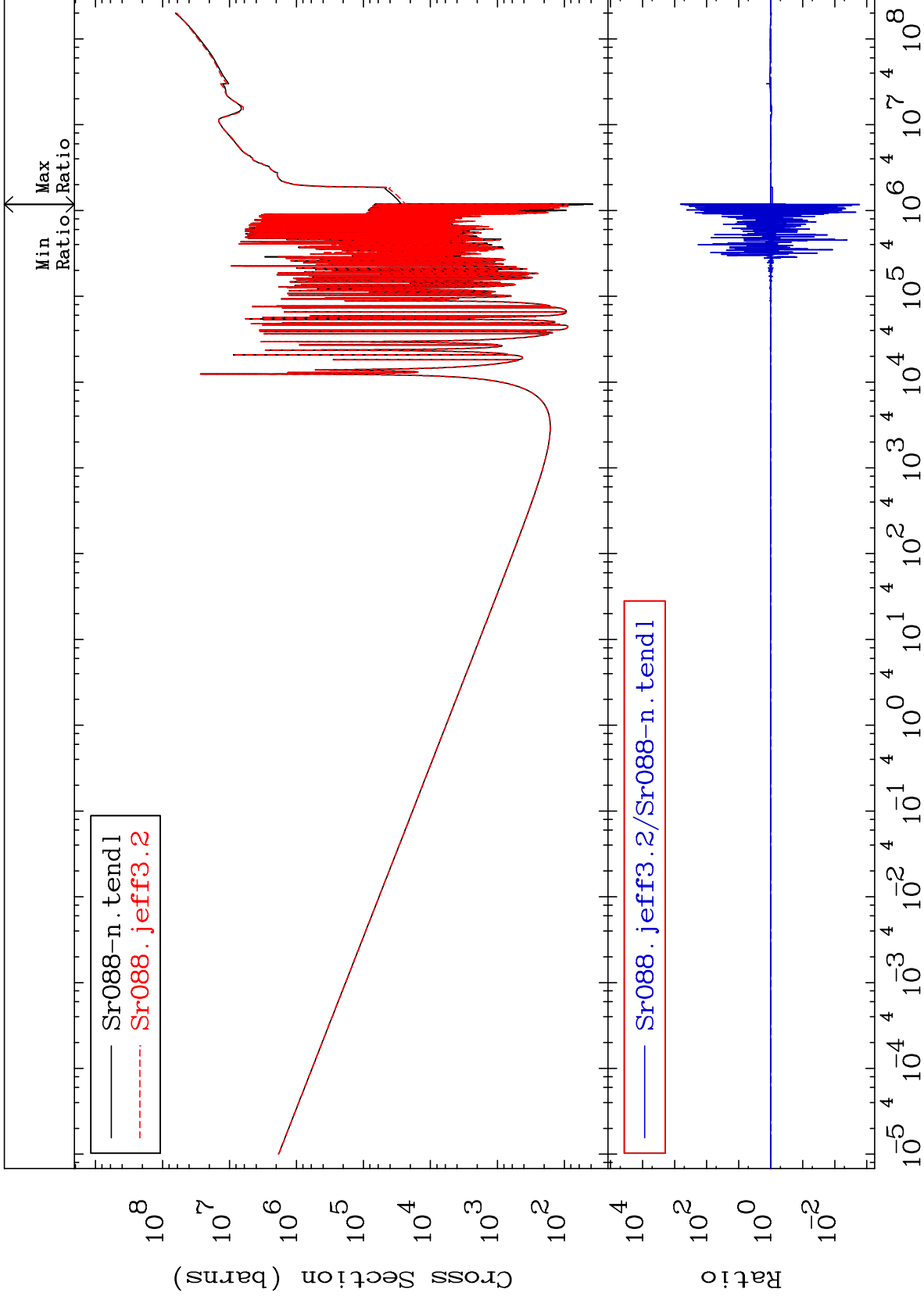
38-Sr-88
-93.32 To 1303. %

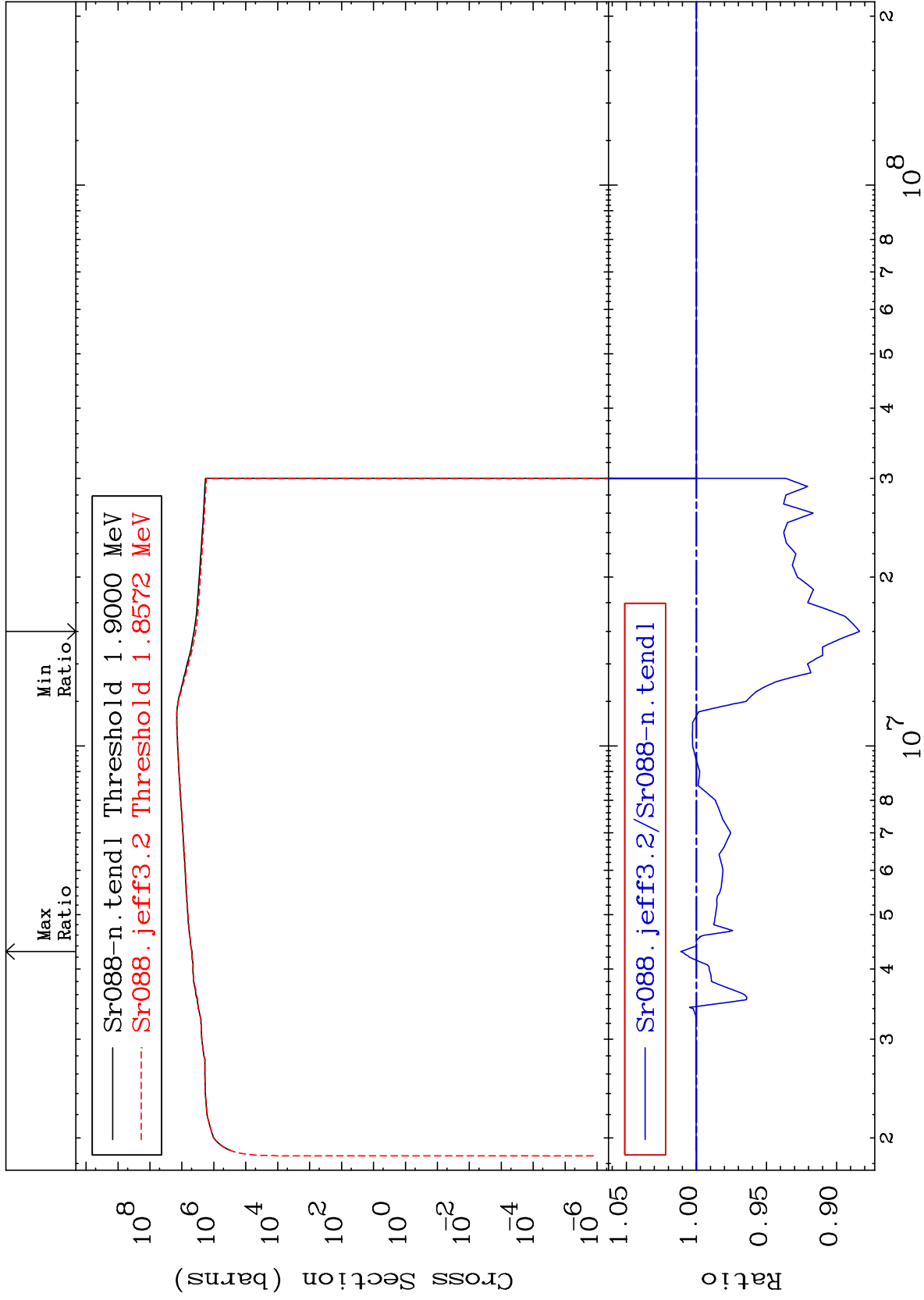


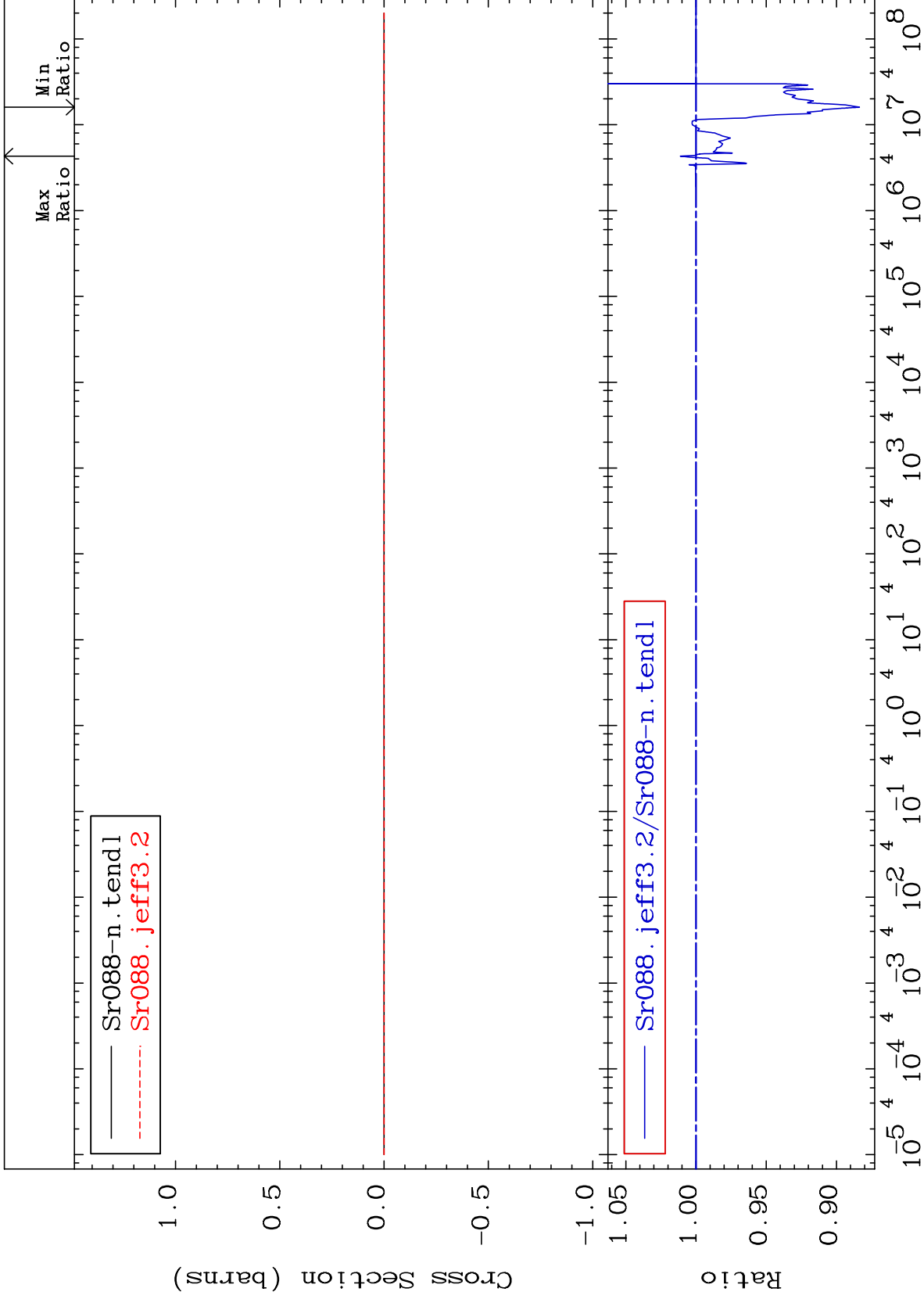
65

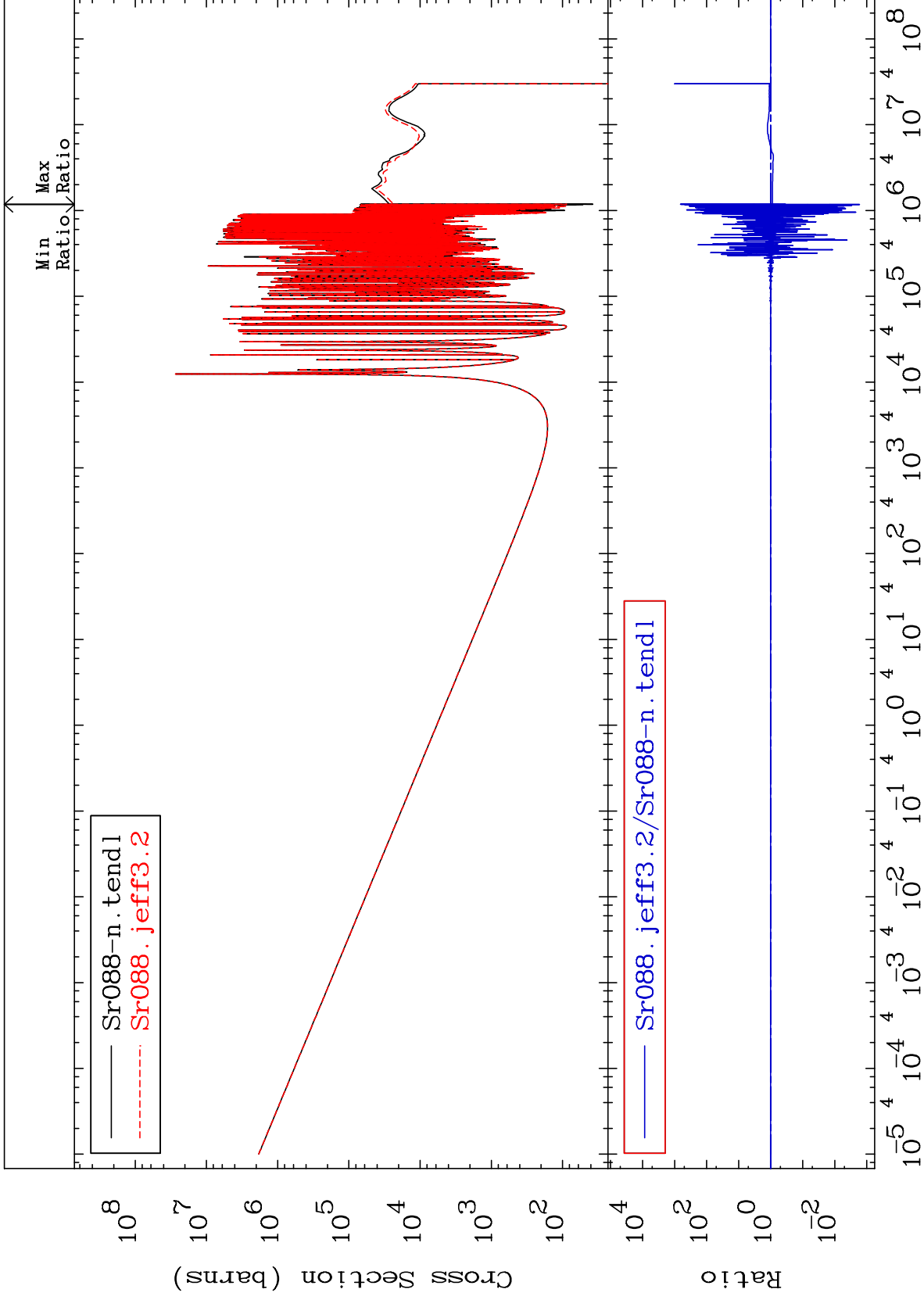
Incident Energy (eV)

38-Sr-88





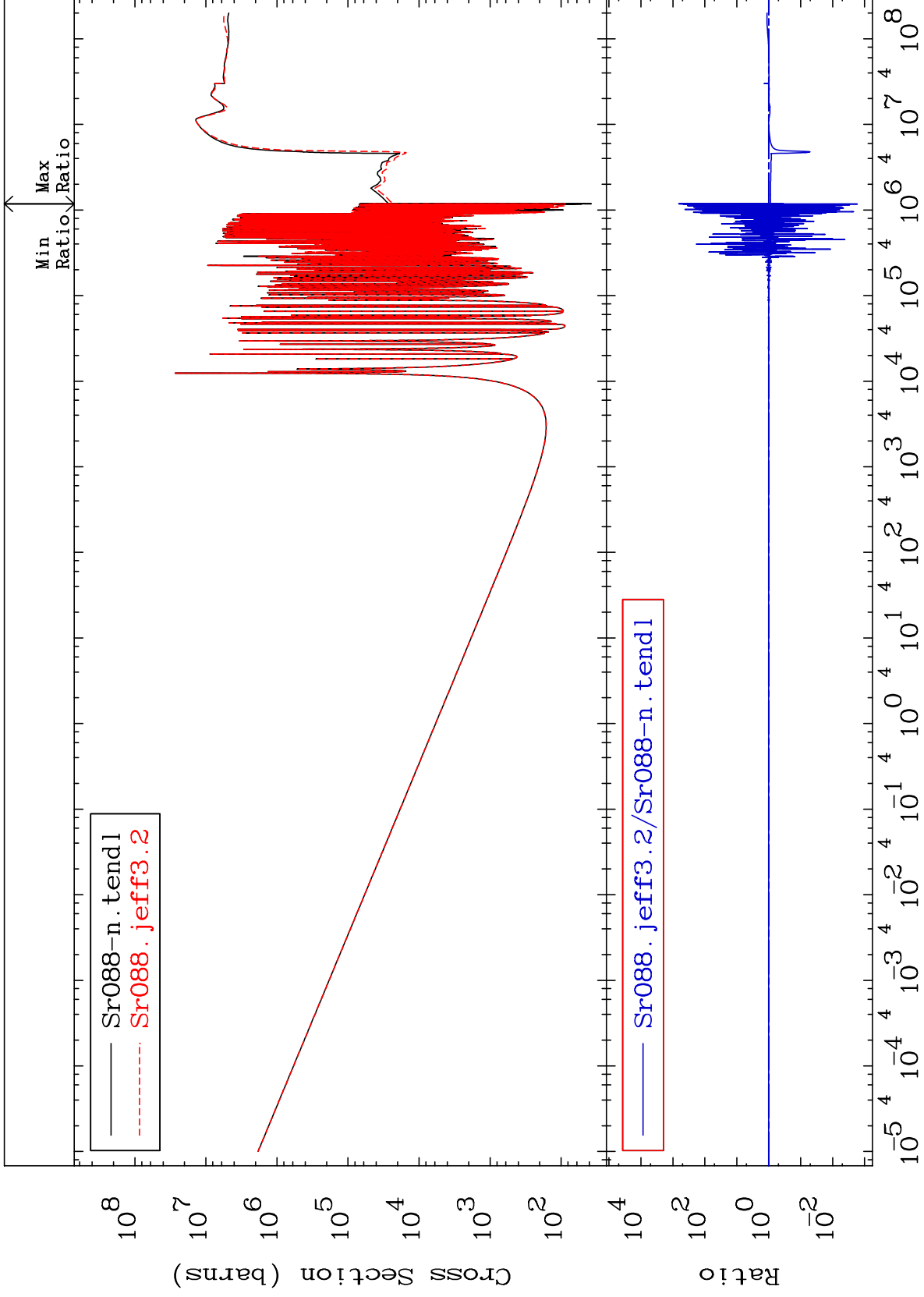




MAT 3837

Total photon (eV-barns)
Cross Section

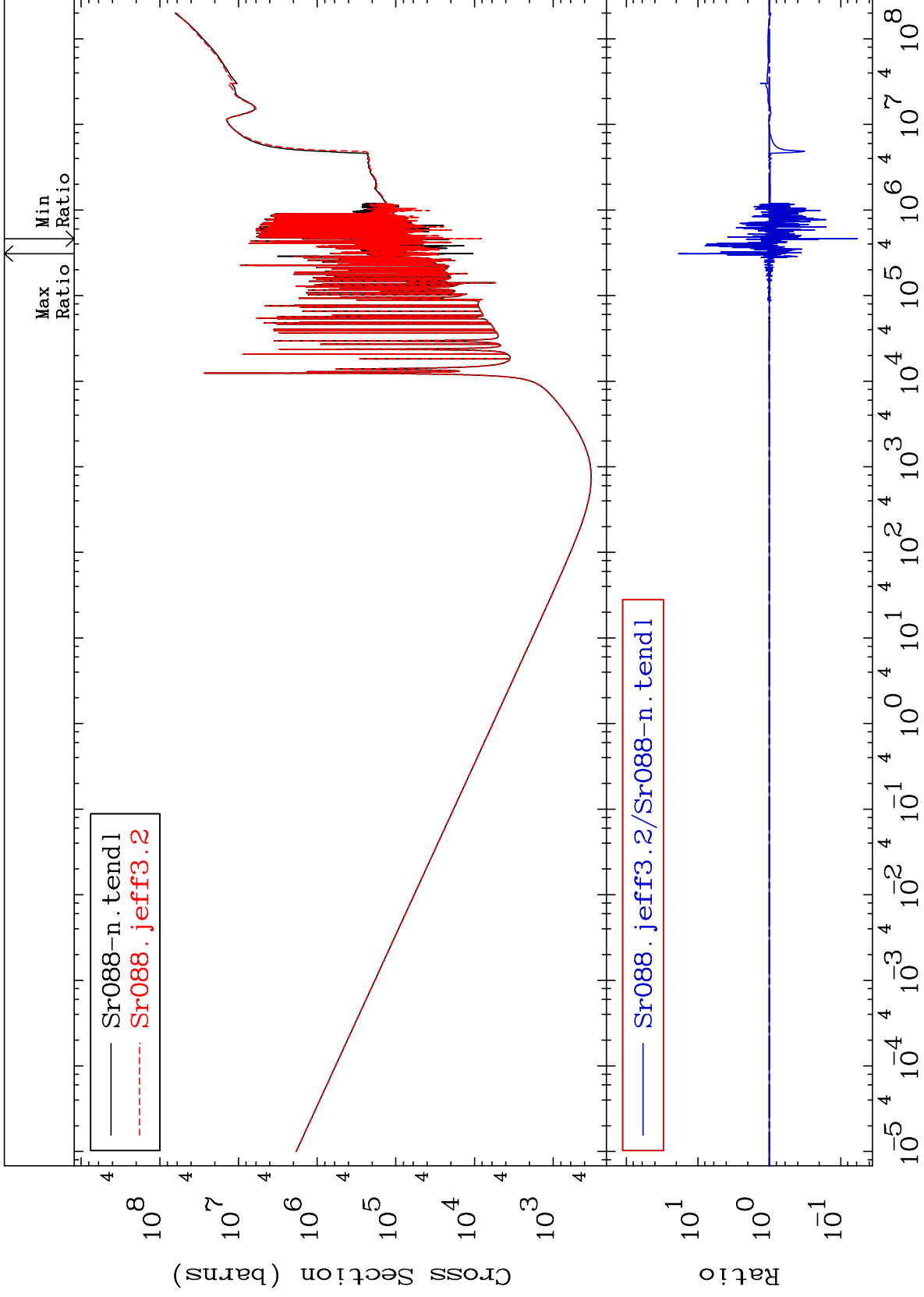
38-Sr-88
-99.83 To 9999. %



70

Incident Energy (eV)

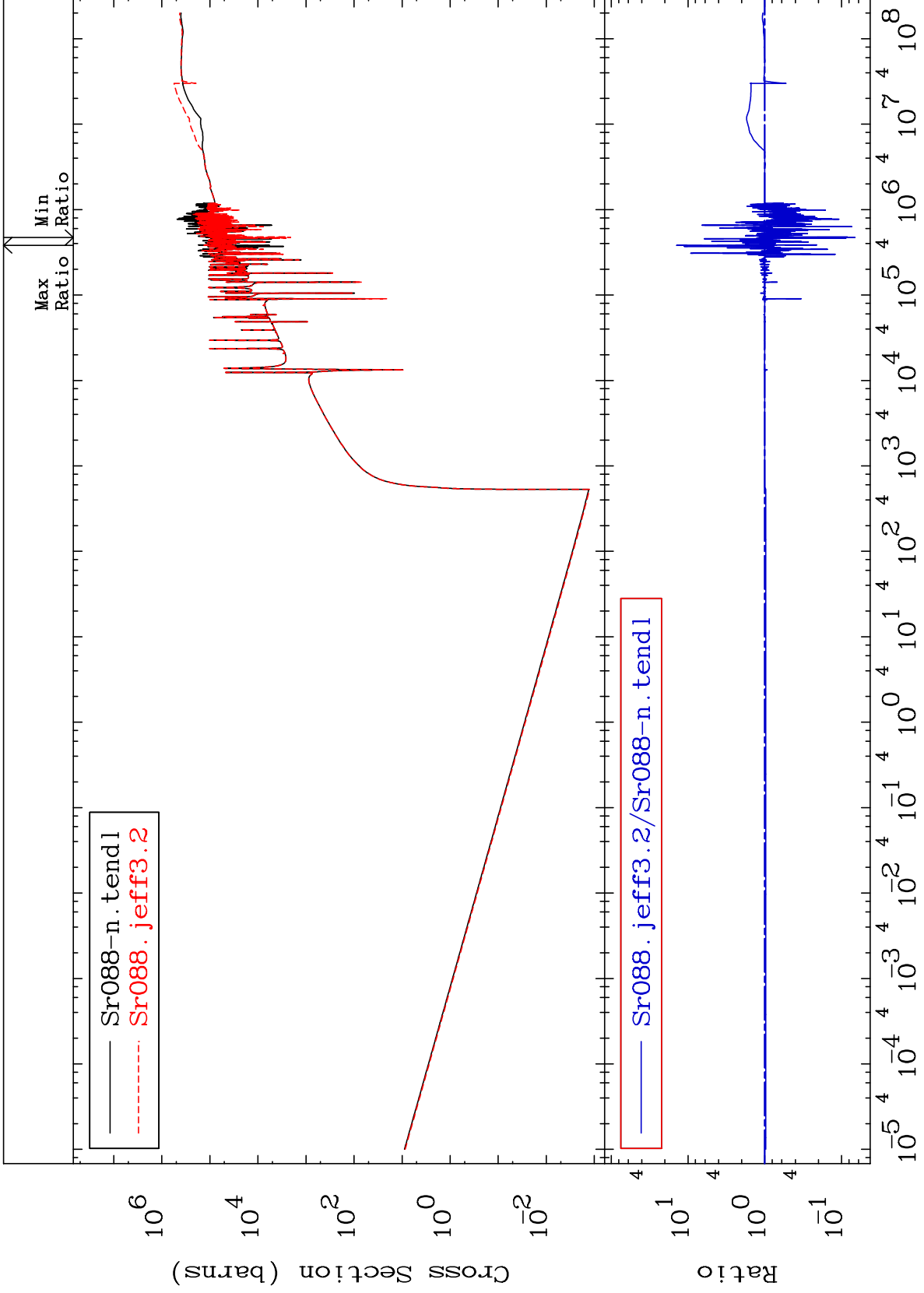
38-Sr-88

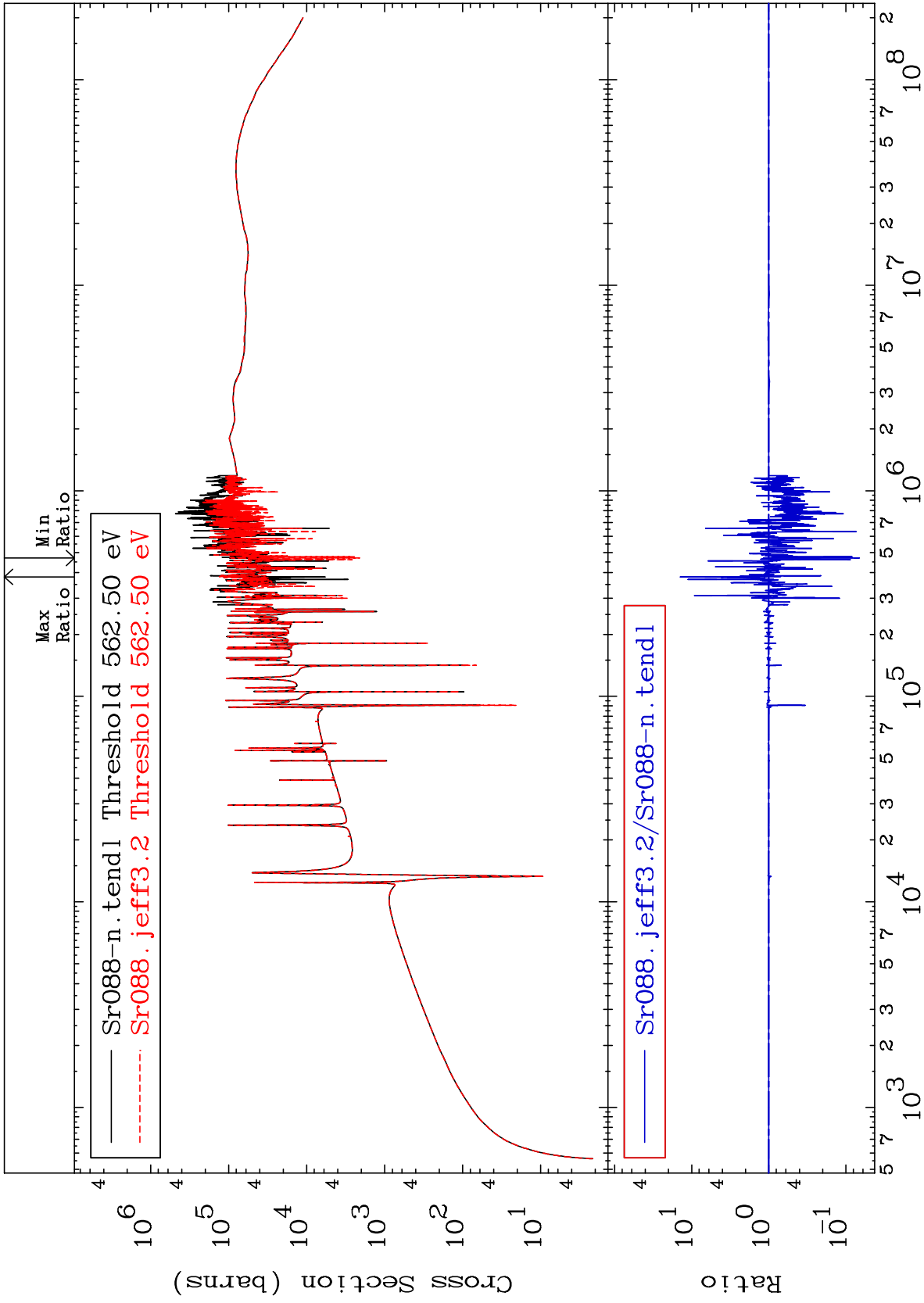


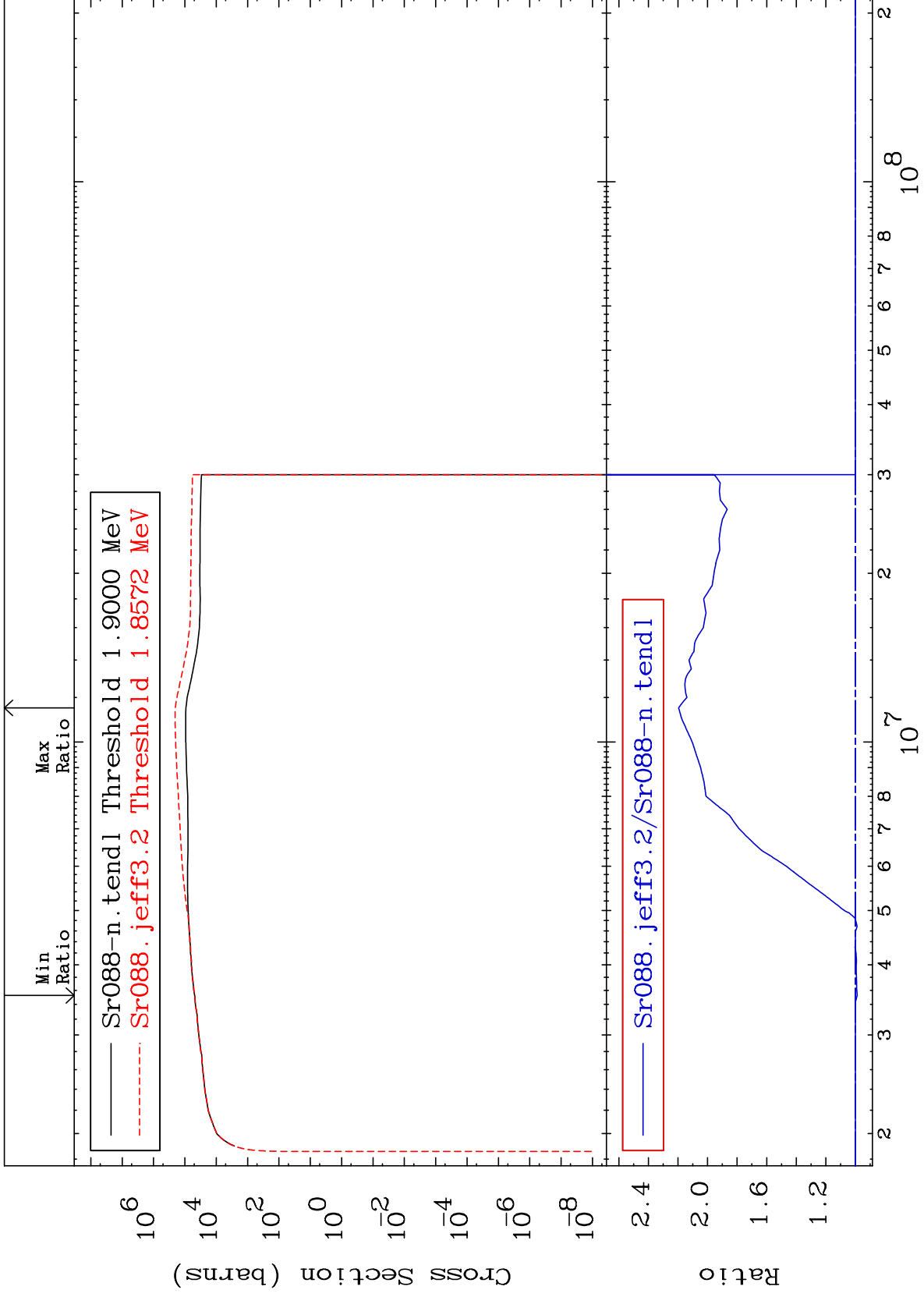
MAT 3837

Dpa total (eV-barns)
Cross Section

38-Sr-88
-93.32 To 1303. %



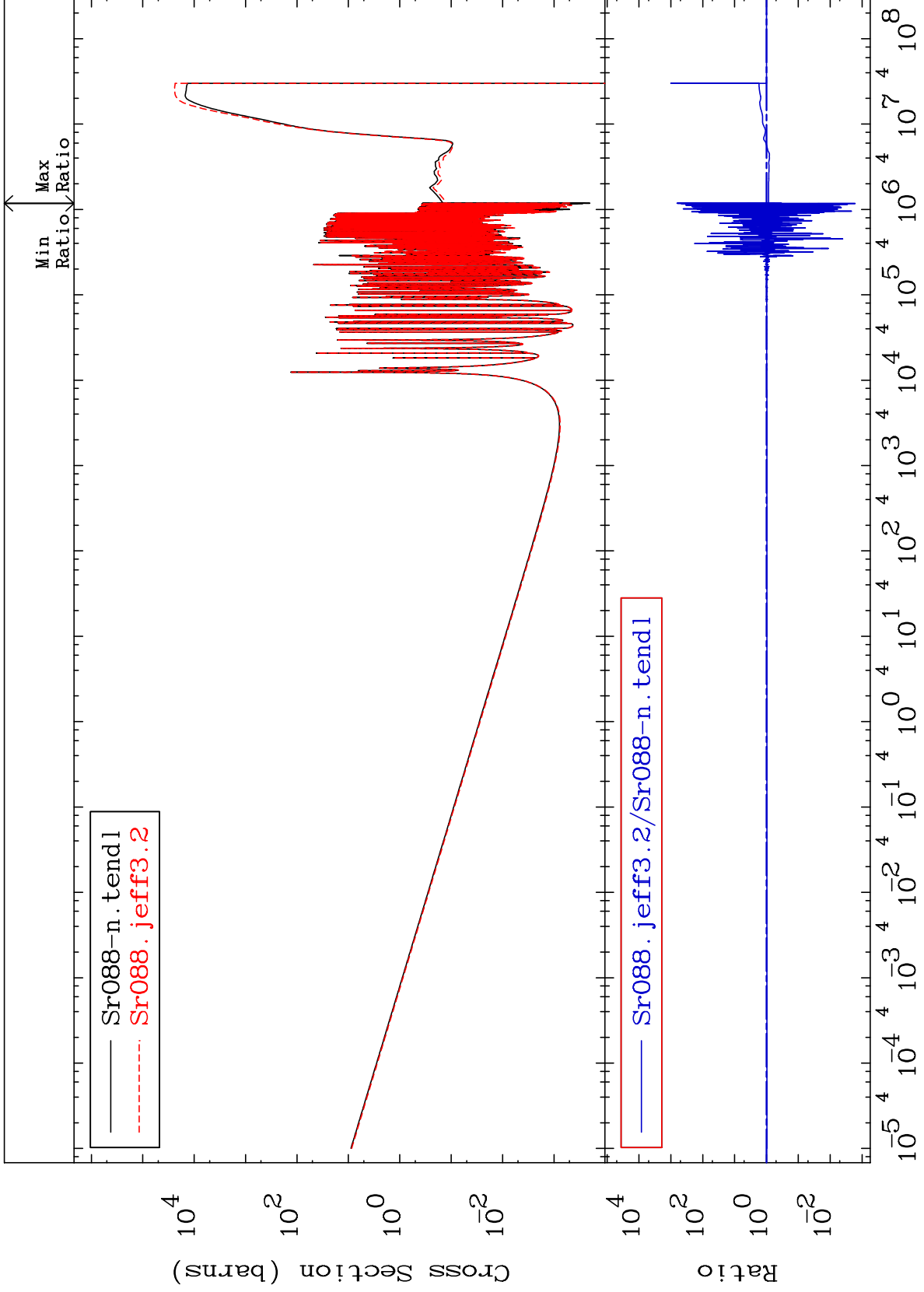




MAT 3837

Dpa disappearance (mt102 -120)
Cross Section

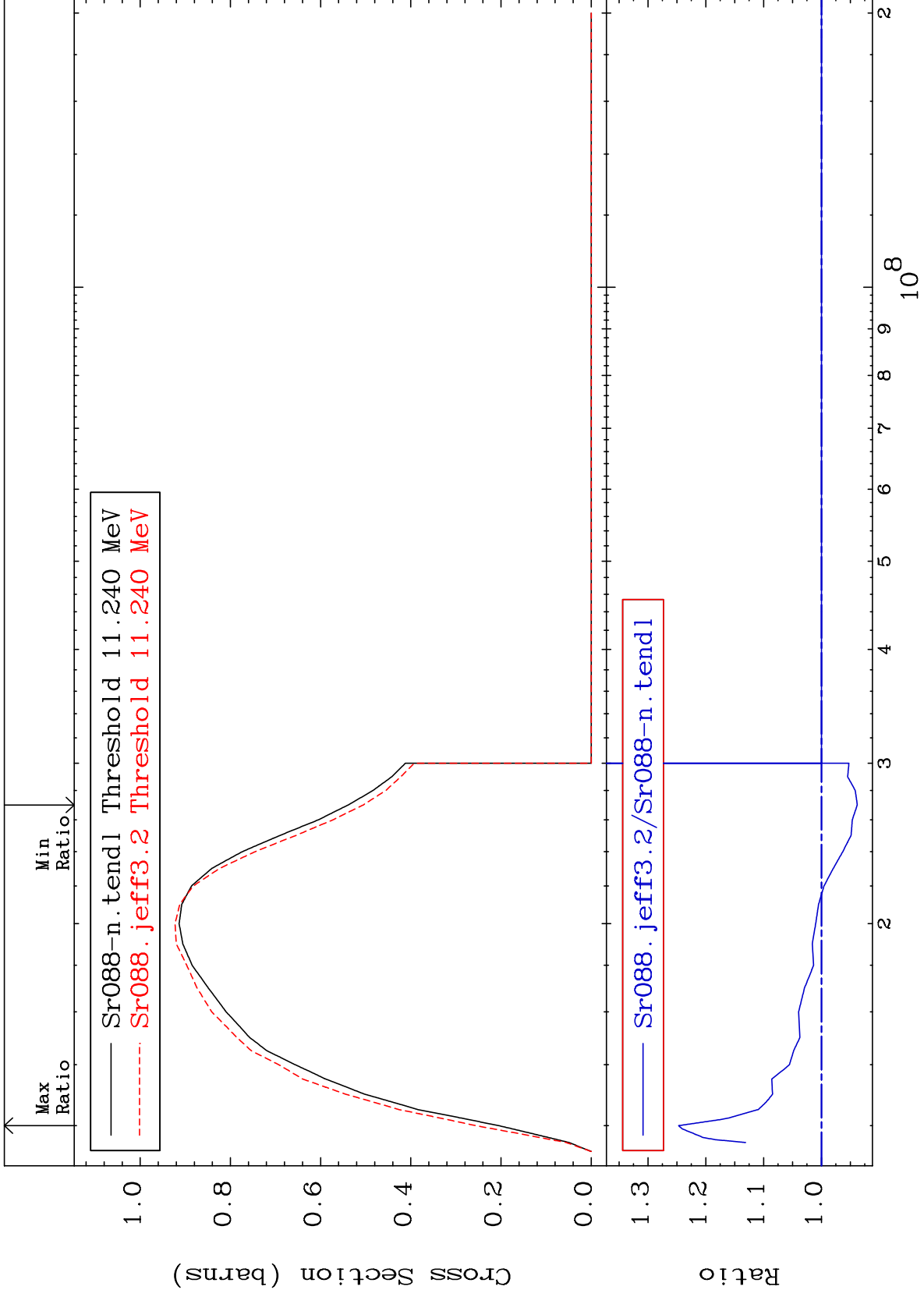
38-Sr-88
-99.83 To 9999. %



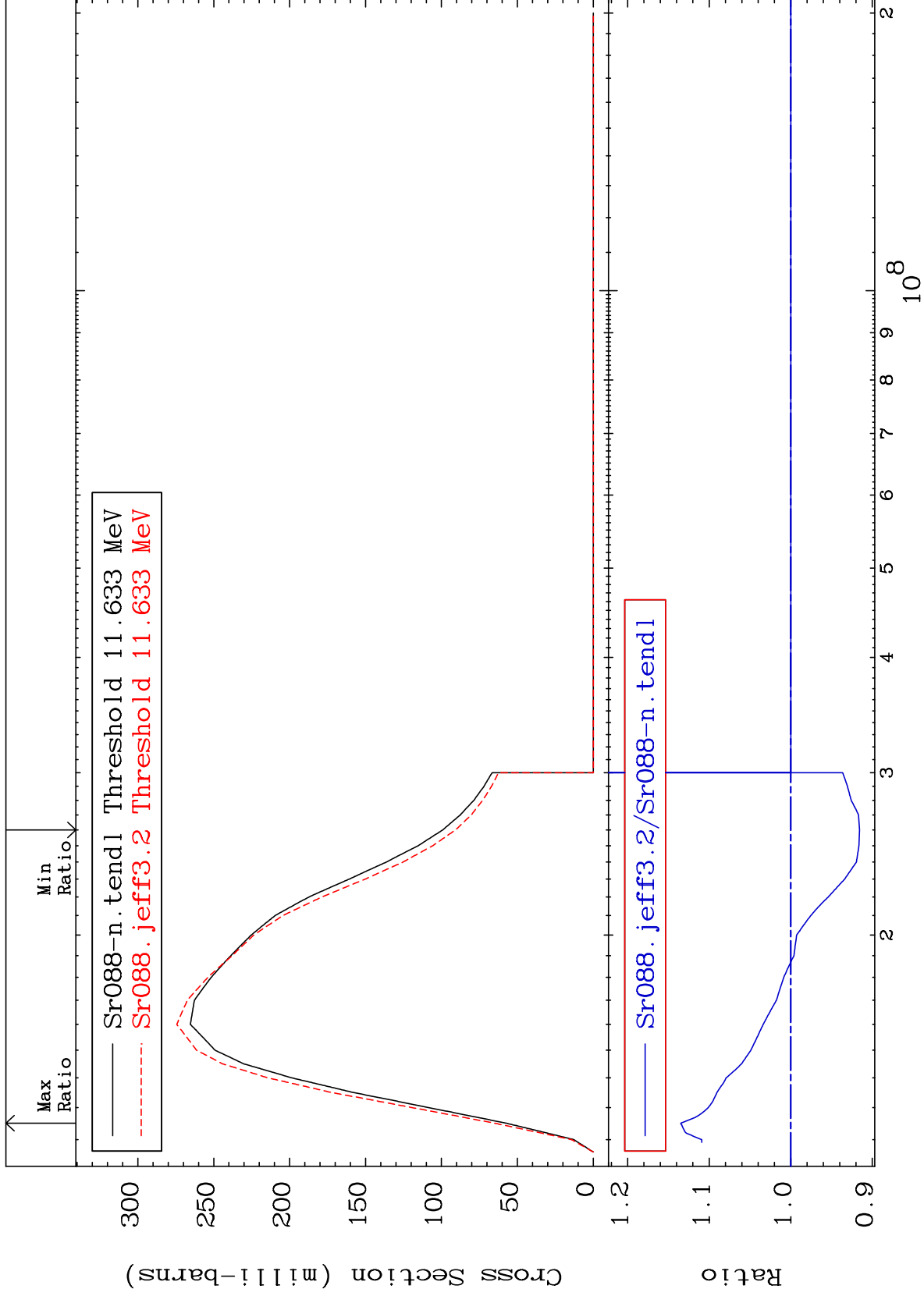
75

Incident Energy (eV)

38-Sr-88



Radionuclide Production Cross Section -8.434 To 13.49 %

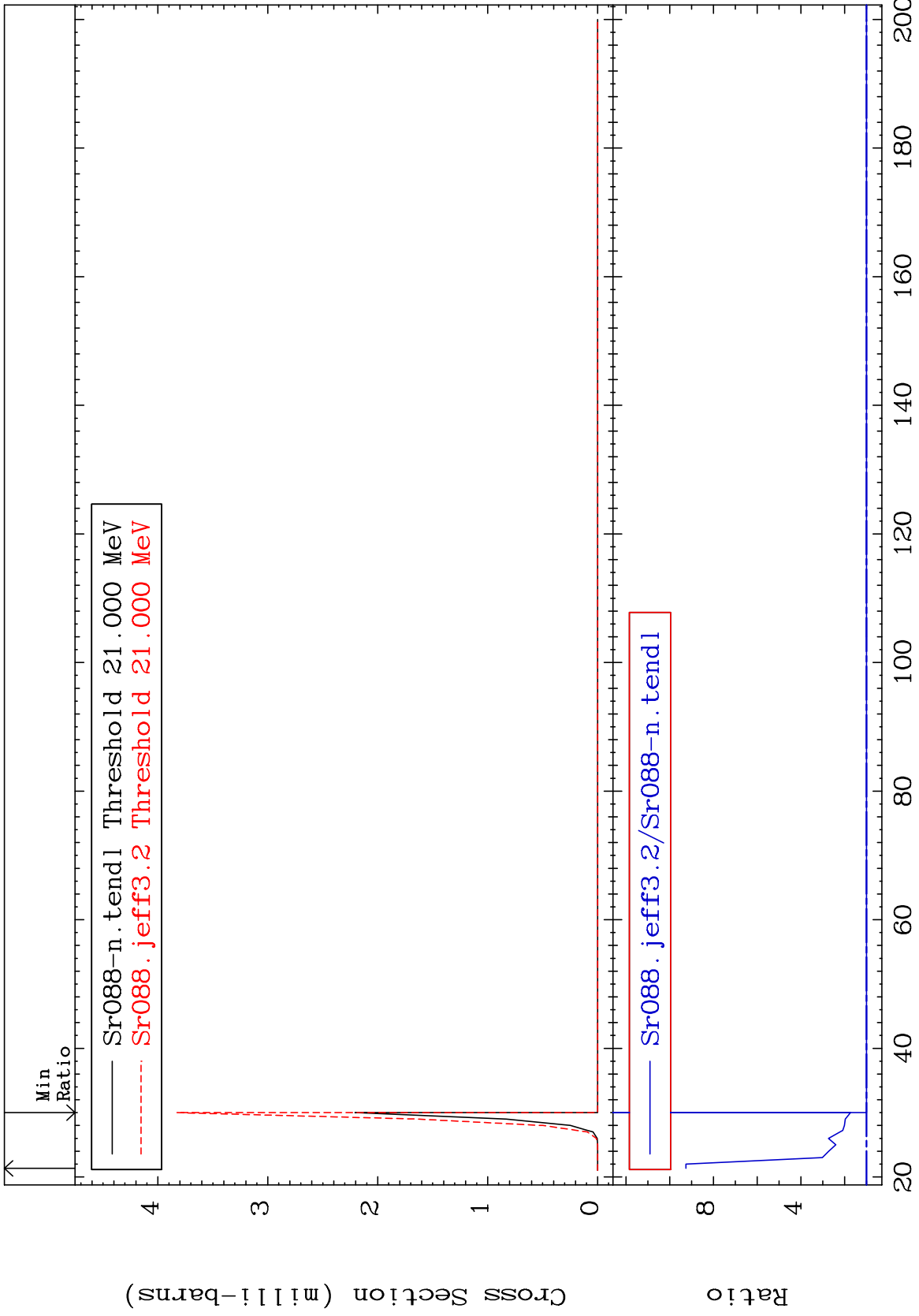


MAT 3837

(n,2n) α :36-Kr-83m2

38-Sr-88

Radionuclide Production Cross Section 0.000 To 825.7 %



79

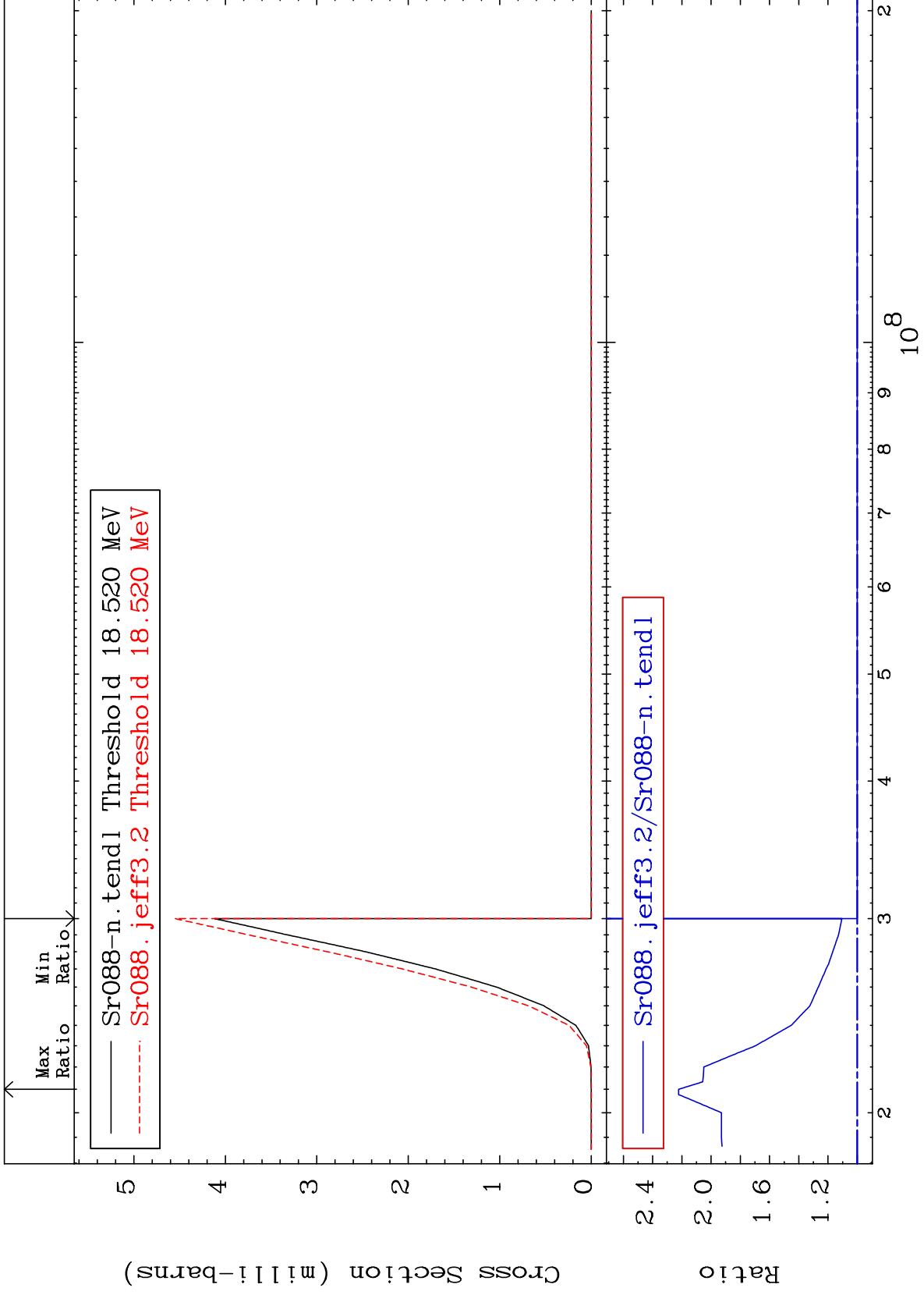
38-Sr-88

MAT 3837

(n, n') d:37-Rb-86g

38-Sr-88

Radionuclide Production Cross Section 0.000 To 122.2 %



80

Incident Energy (eV)

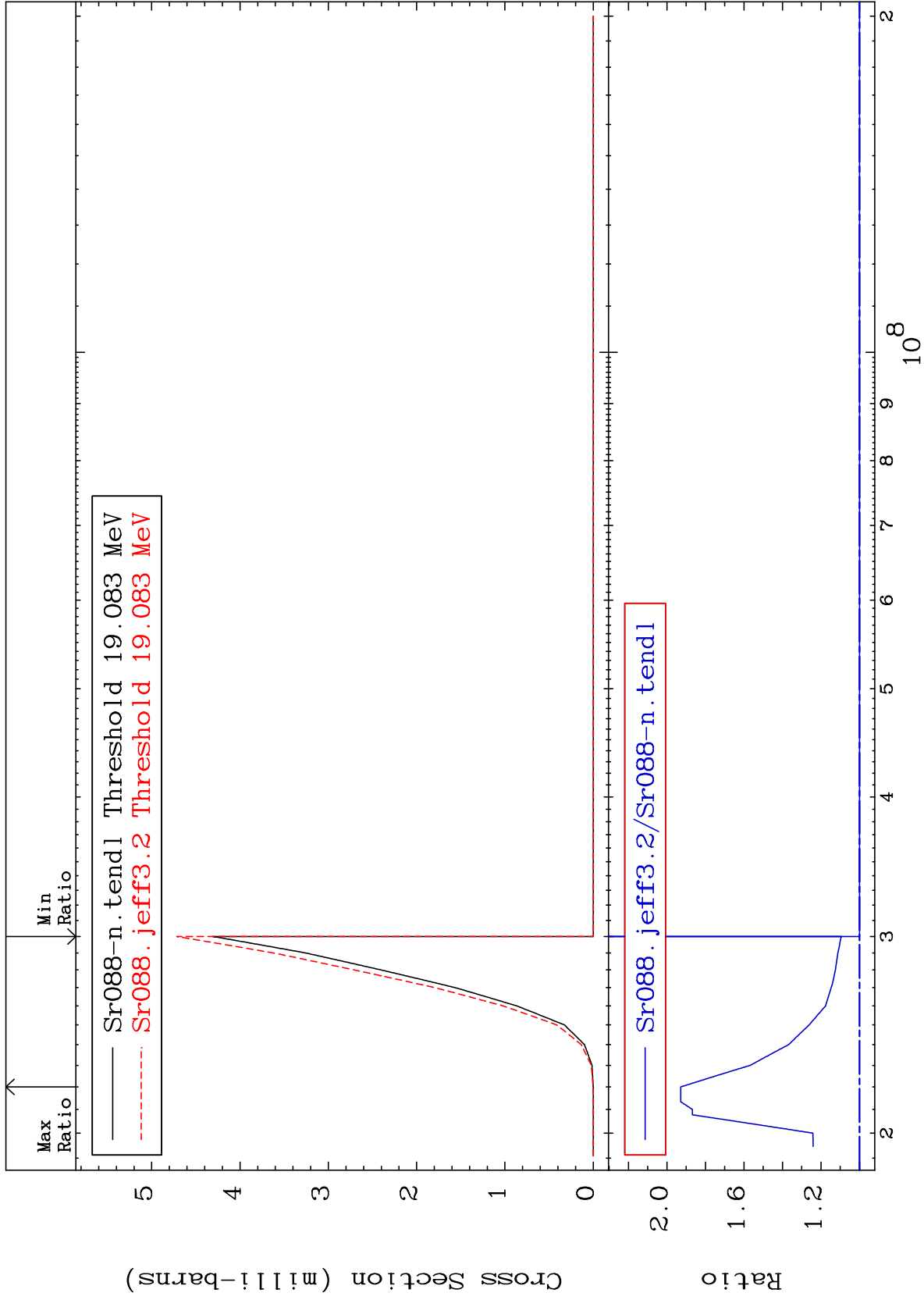
38-Sr-88

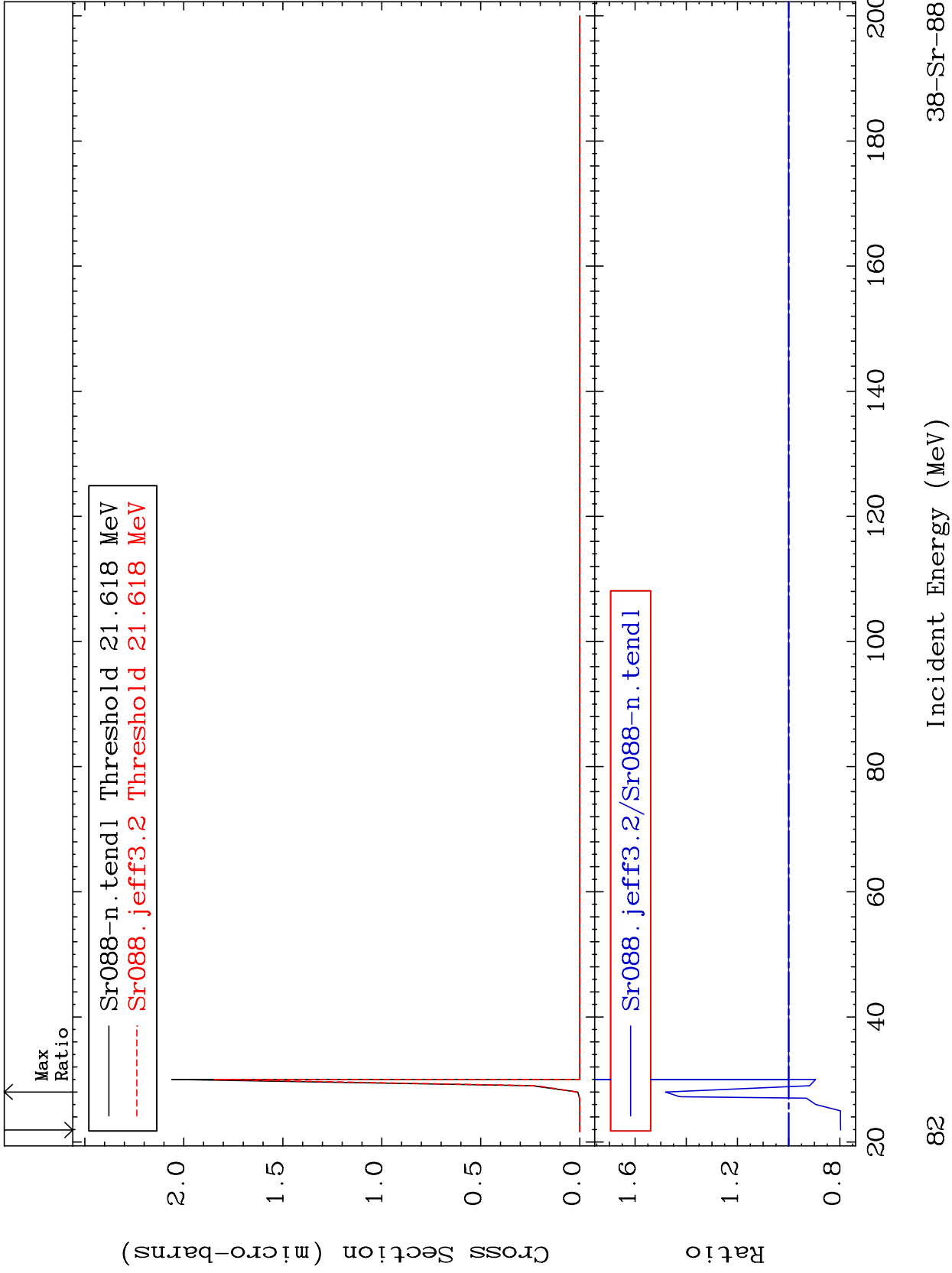
MAT 3837

(n, n') d:37-Rb-86m2

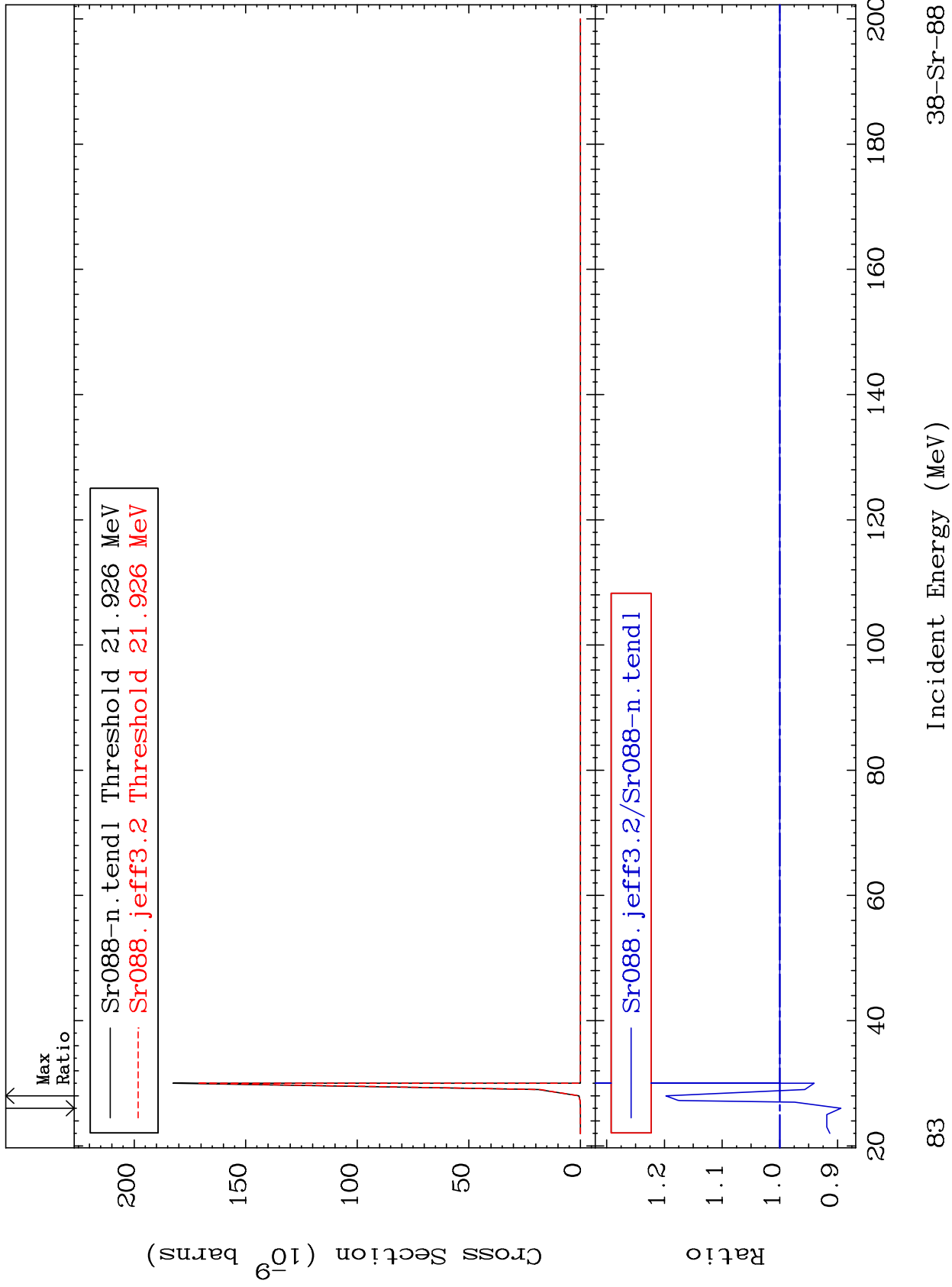
38-Sr-88

Radionuclide Production Cross Section 0.000 To 92.82 %





Radionuclide Production Cross Section -10.58 To 19.73 %



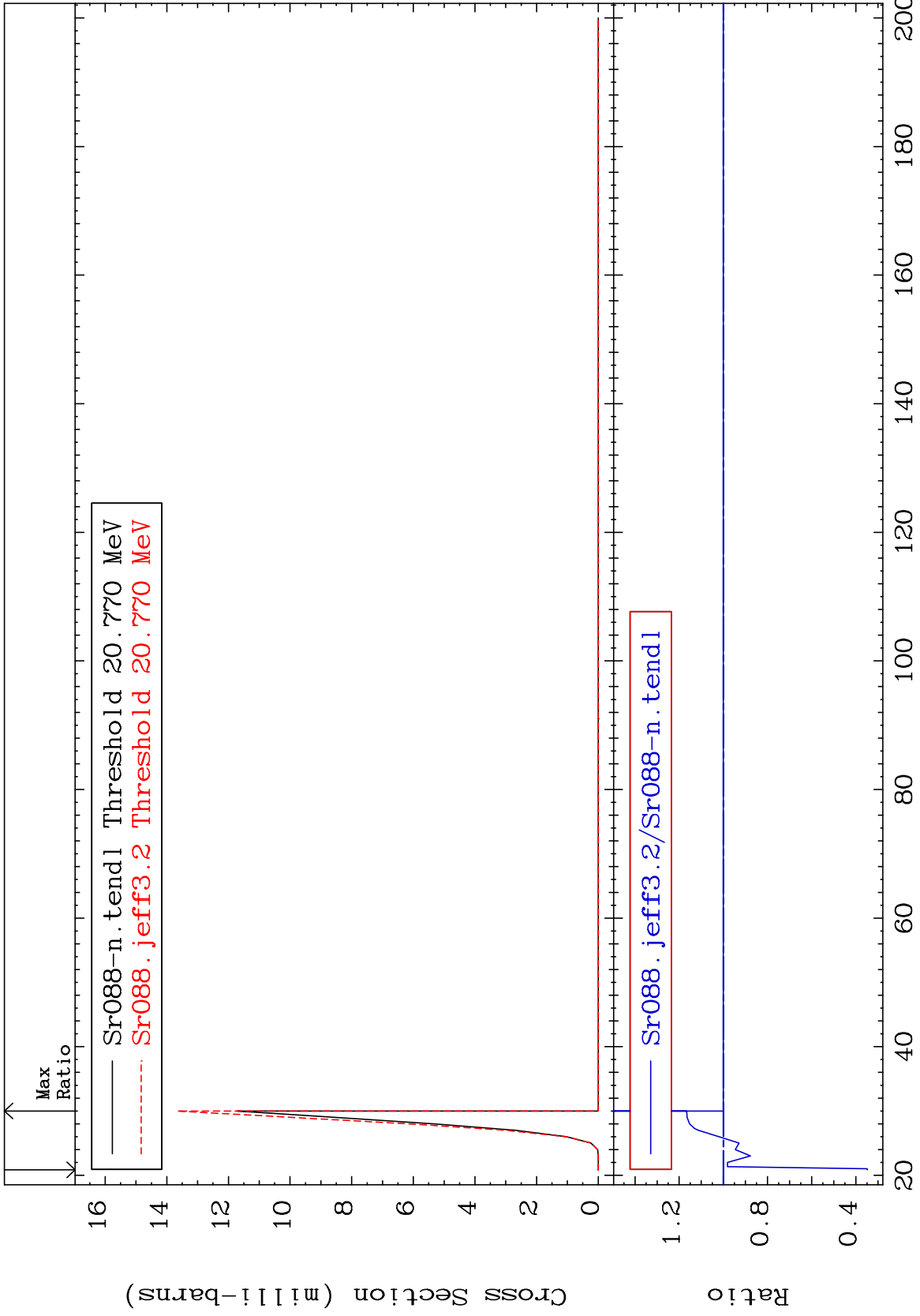
MAT 3837

(n,2n) p:37-Rb-86g

38-Sr-88

Radionuclide Production Cross Section

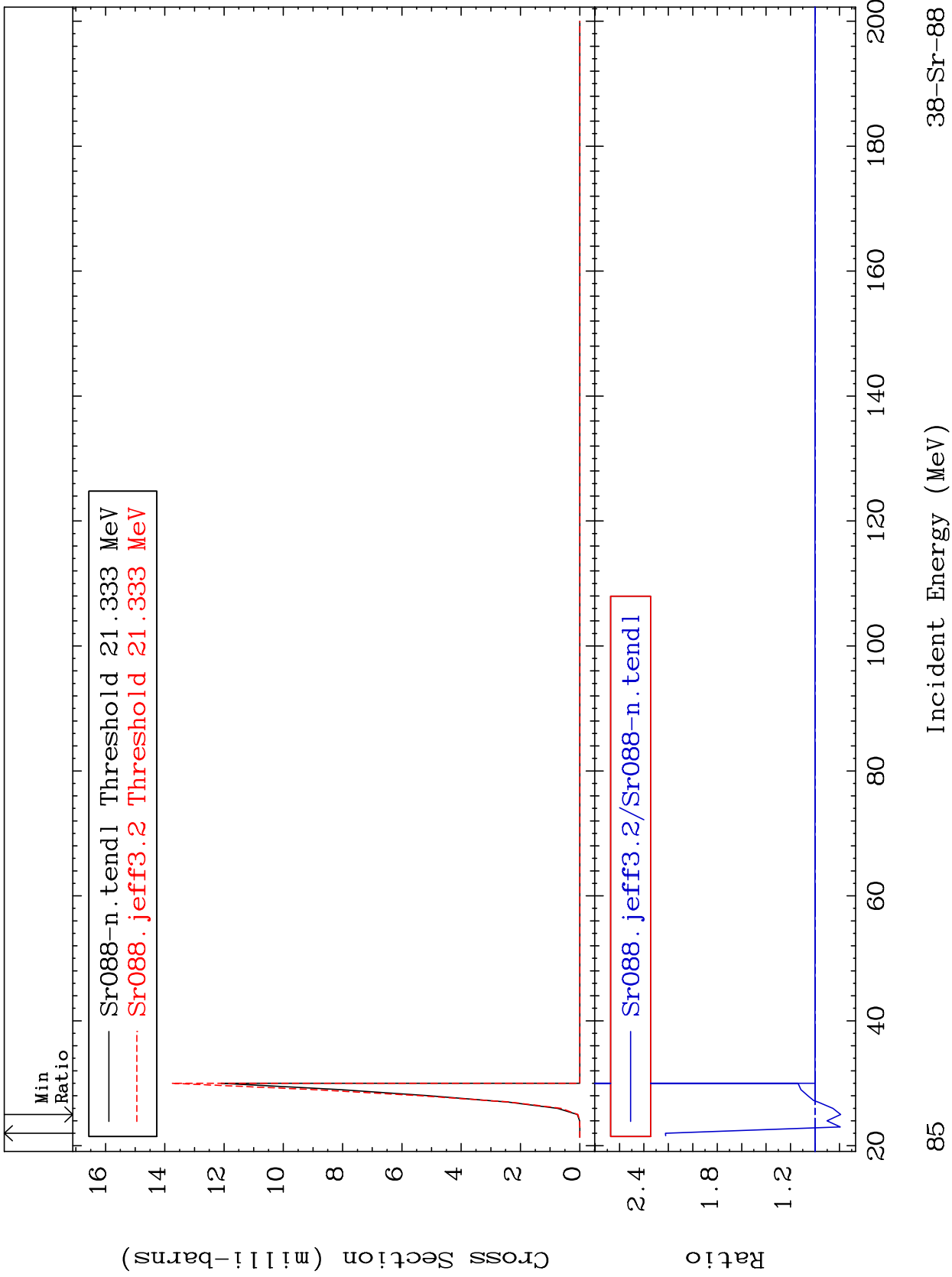
-65.22 To 16.59 %



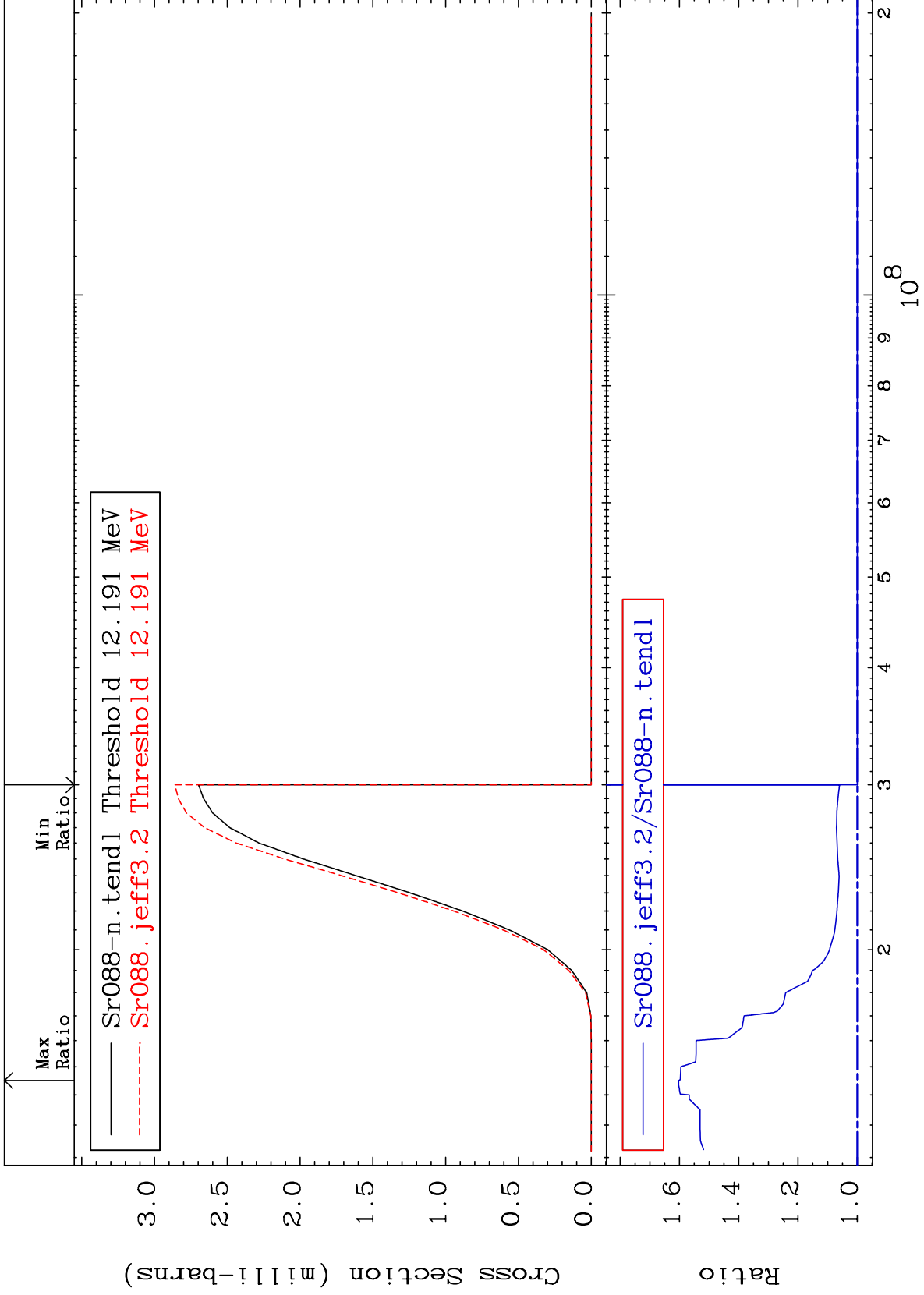
84

38-Sr-88

38-Sr-88



Radionuclide Production Cross Section 0.000 To 60.28 %



Sr088-n.tendl Threshold 12.191 MeV
Sr088.jeff3.2 Threshold 12.191 MeV

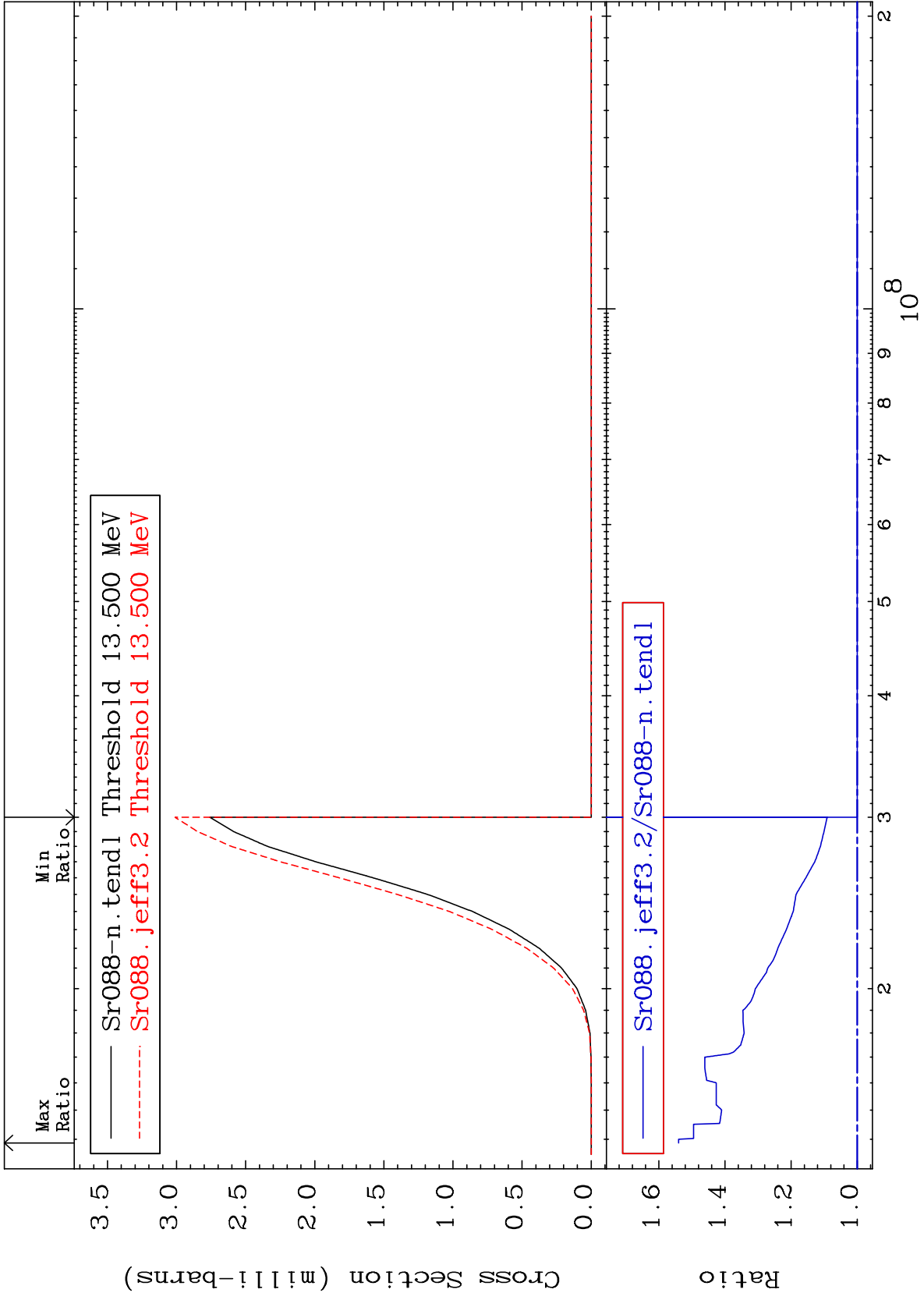
Sr088.jeff3.2/Sr088-n.tendl

MAT 3837

(n, t) : 37-Rb-86m2

38-Sr-88

Radionuclide Production Cross Section 0.000 To 54.01 %

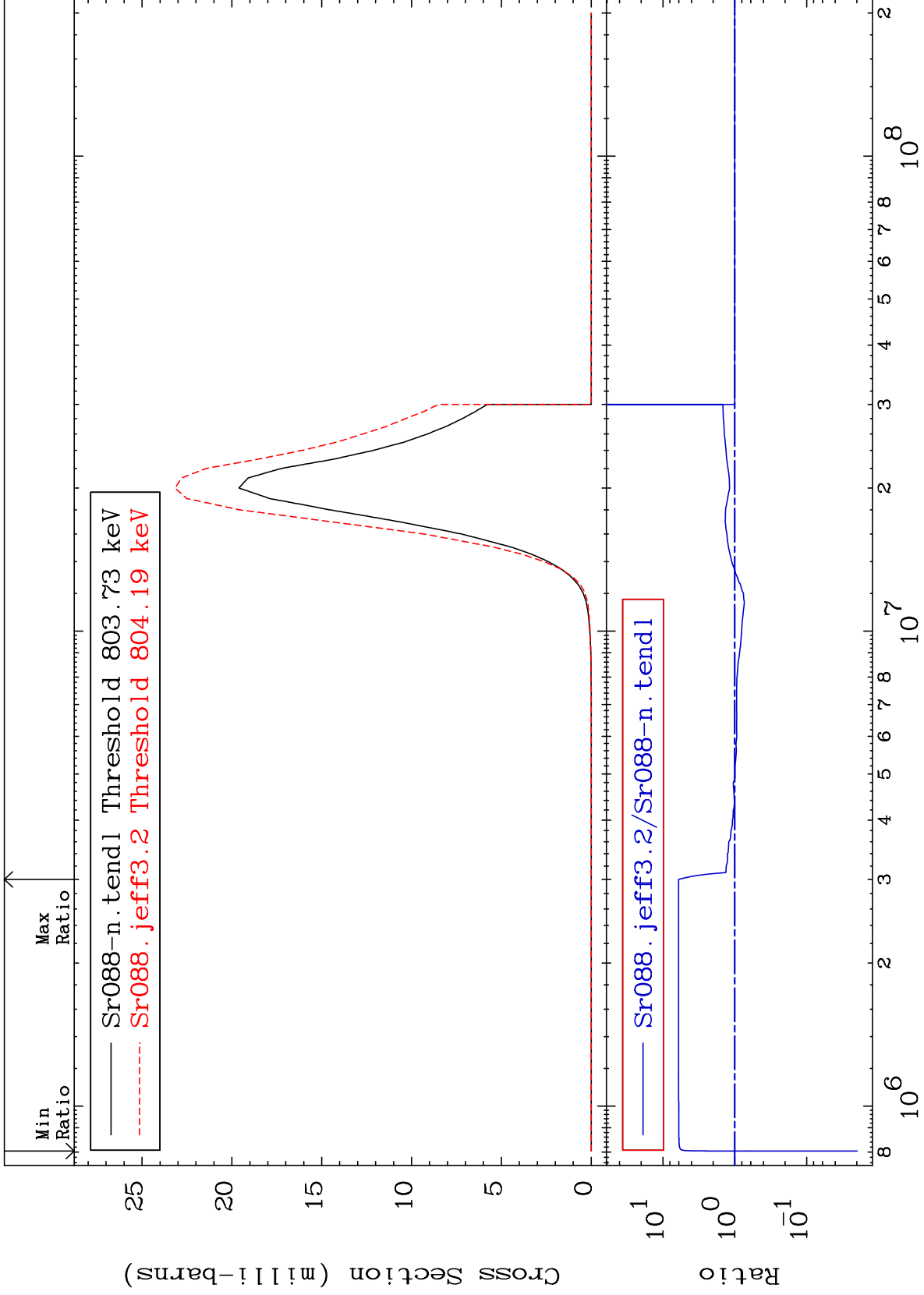


MAT 3837

(n, α): 36-Kr-85g

38-Sr-88

Radionuclide Production Cross Section -98.02 To 503.8 %

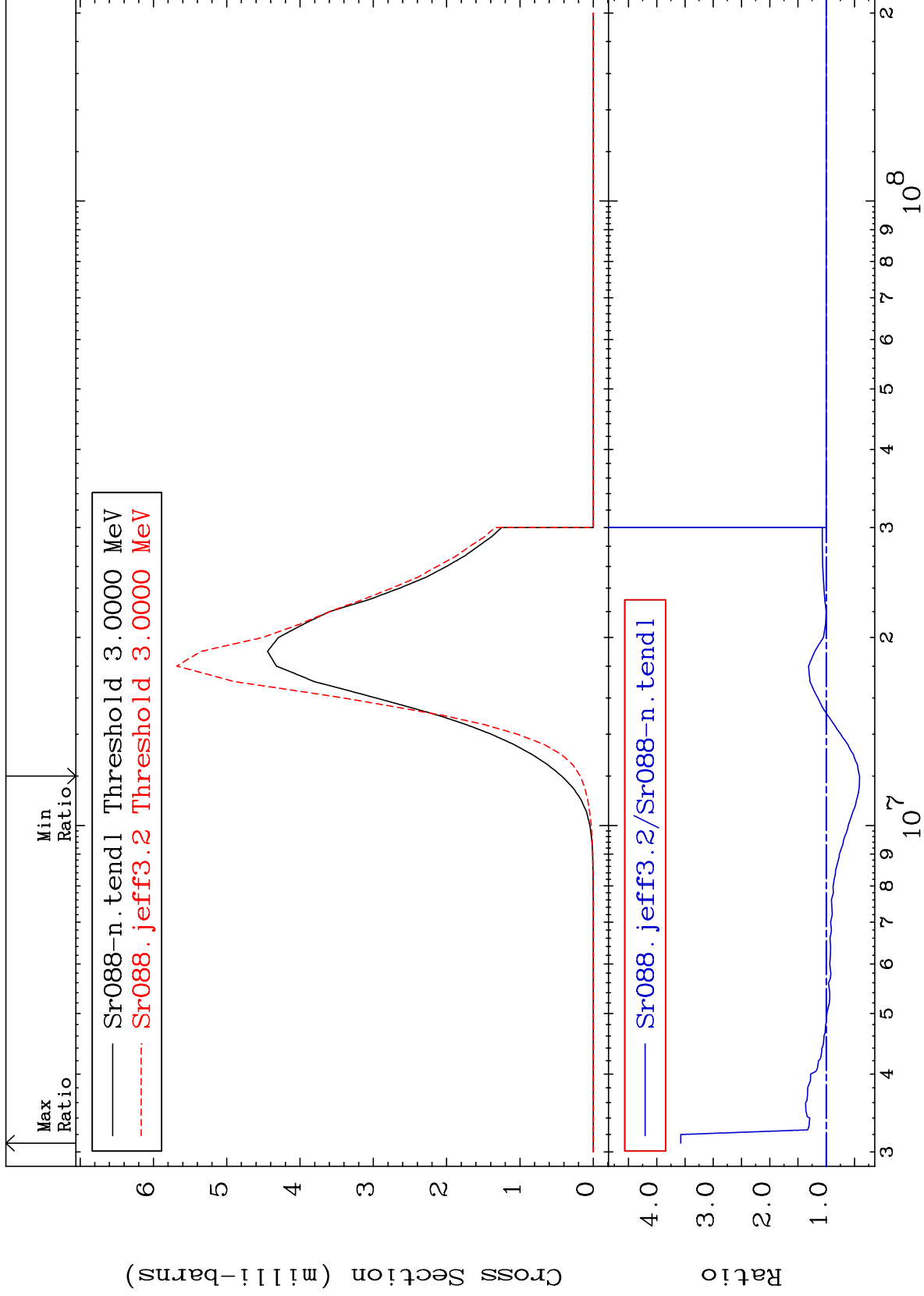


88

Incident Energy (eV)

38-Sr-88

Radionuclide Production Cross Section -58.85 To 257.5 %

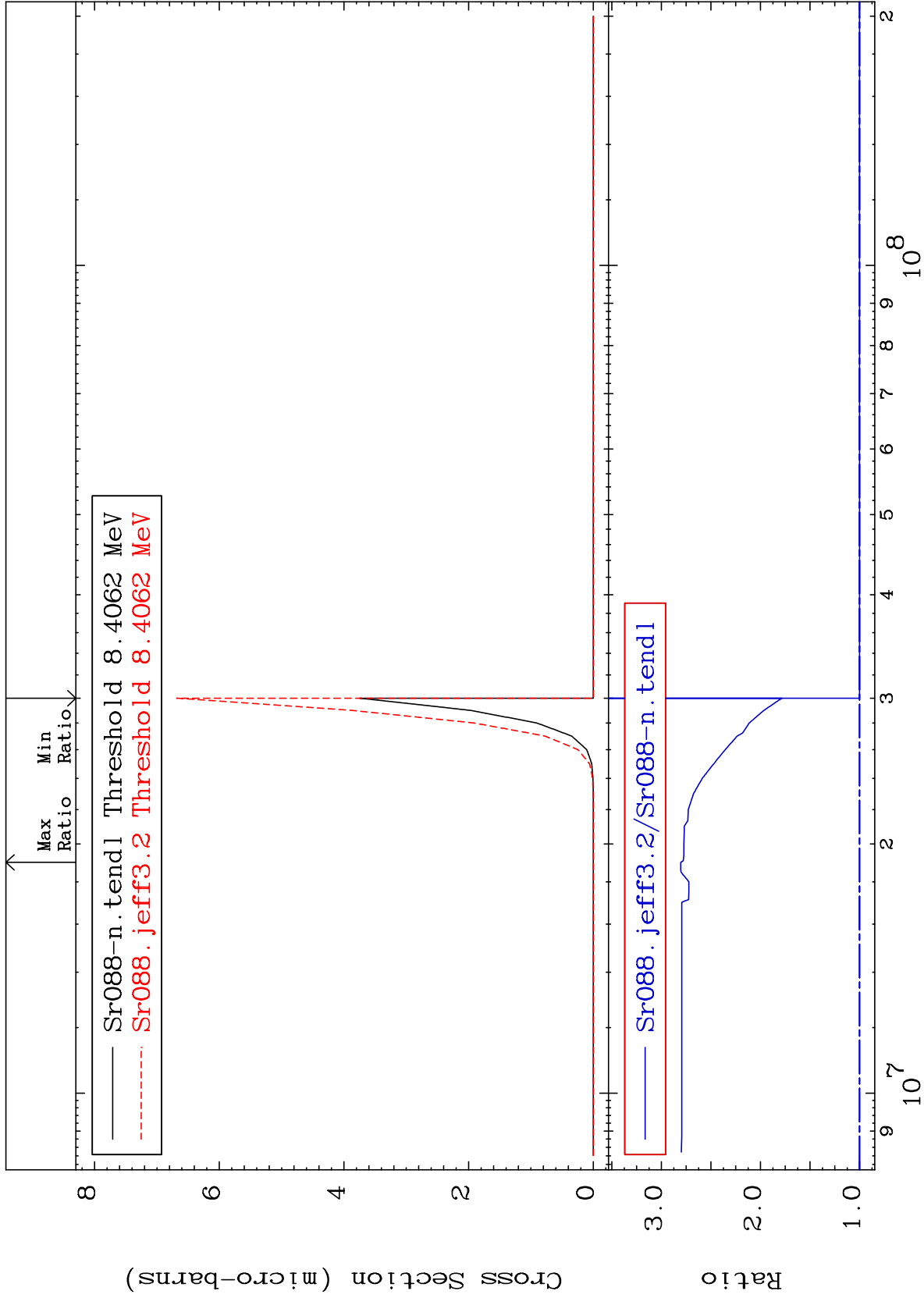


MAT 3837

38-Sr-88

(n,2α):34-Se-81g

Radionuclide Production Cross Section 0.000 To 180.4 %



90

Incident Energy (eV)

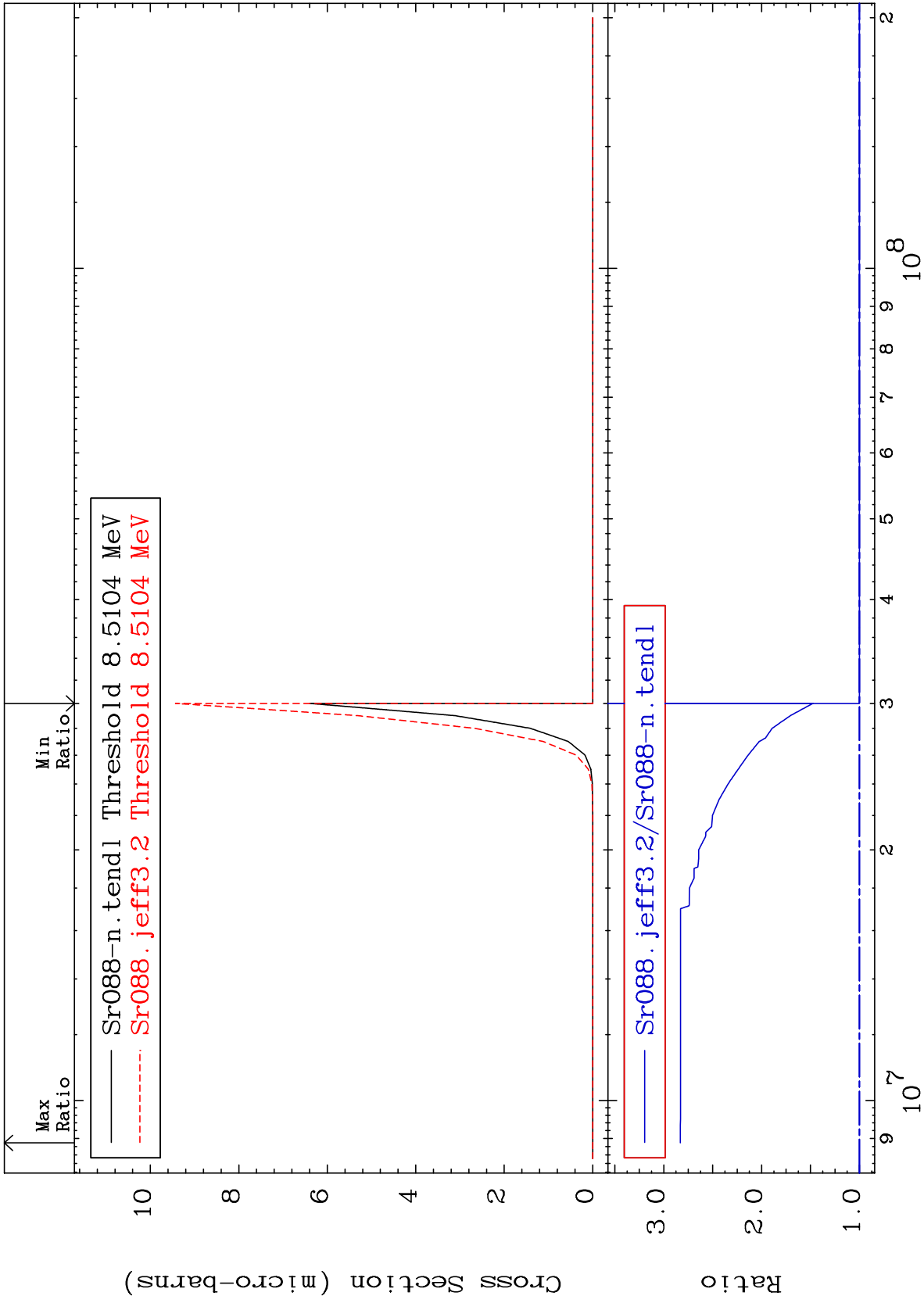
38-Sr-88

MAT 3837

(n,2α):34-Se-81m1

38-Sr-88

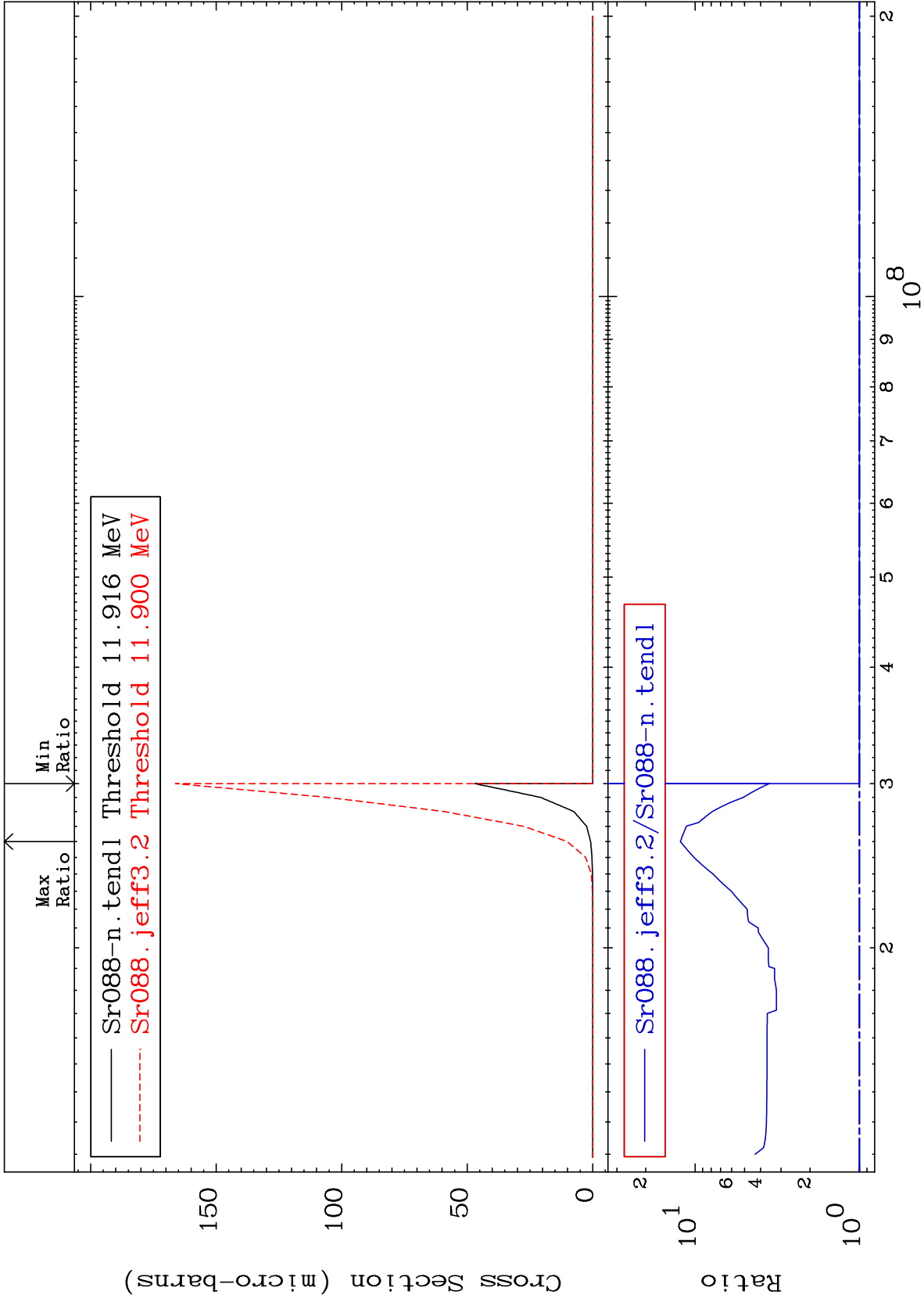
Radionuclide Production Cross Section 0.000 To 183.1 %



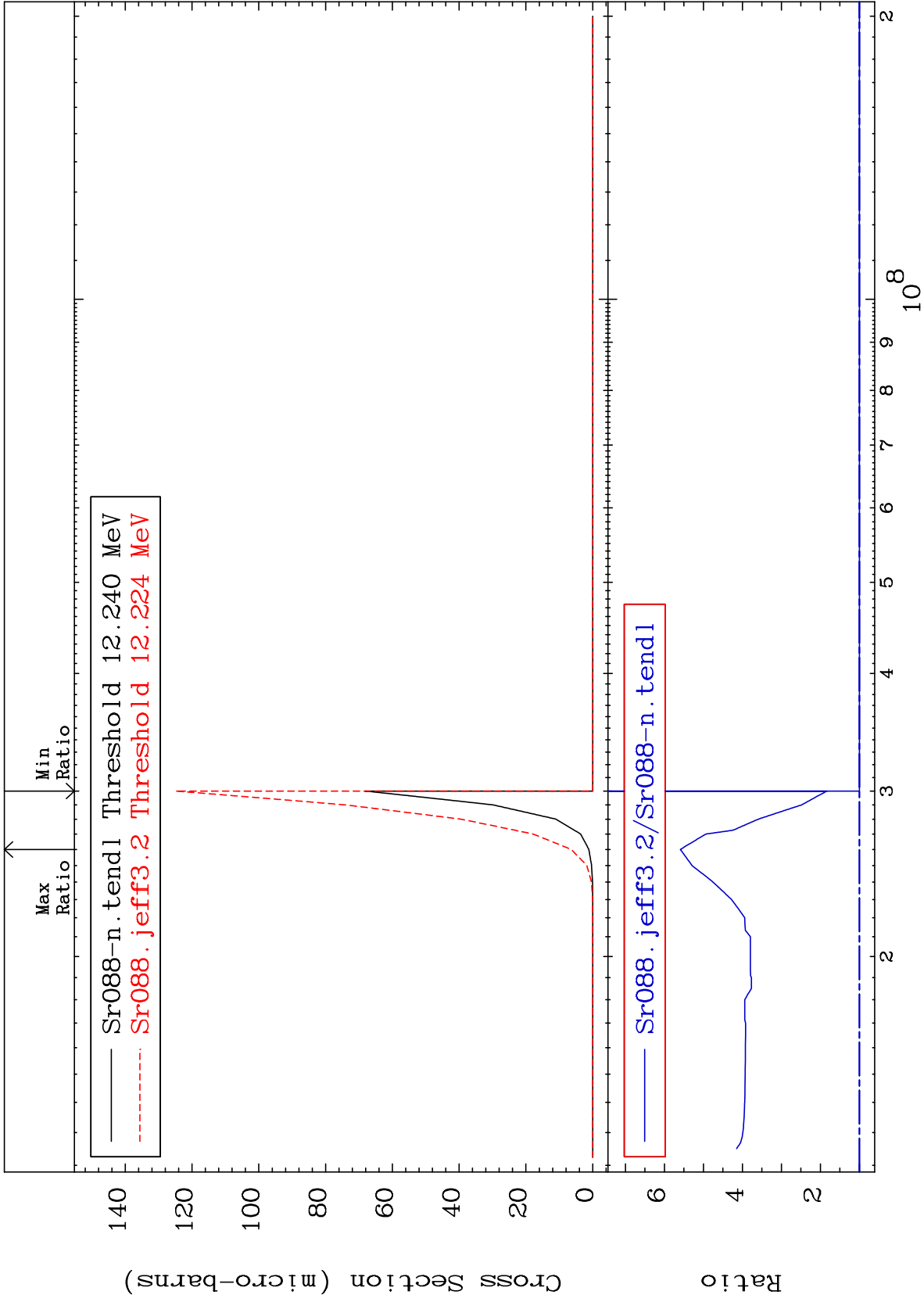
91

Incident Energy (eV)

38-Sr-88



Radionuclide Production Cross Section 0.000 To 459.1 %

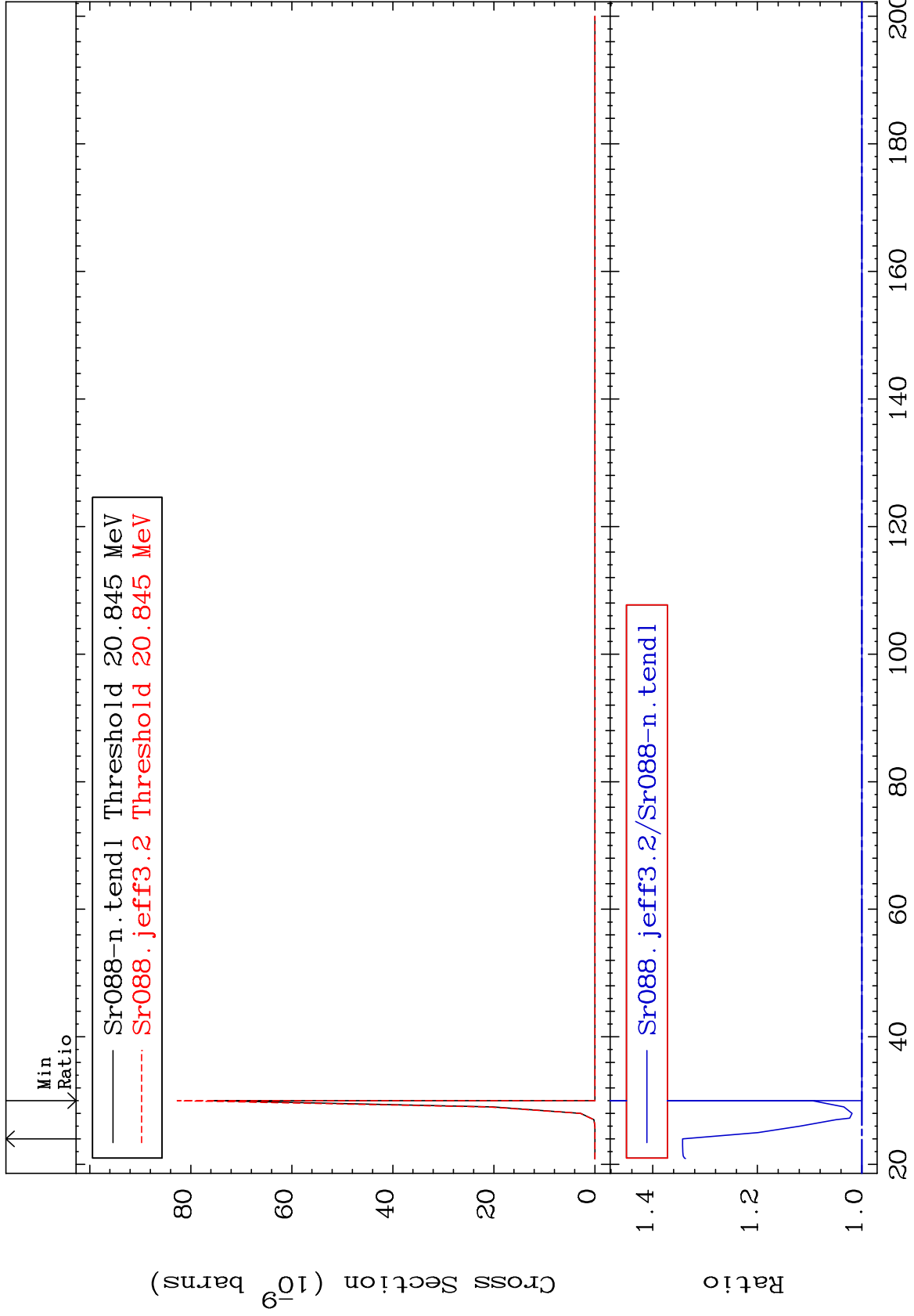


MAT 3837

(n, p) t:36-Kr-85g

38-Sr-88

Radionuclide Production Cross Section 0.000 To 34.29 %



94

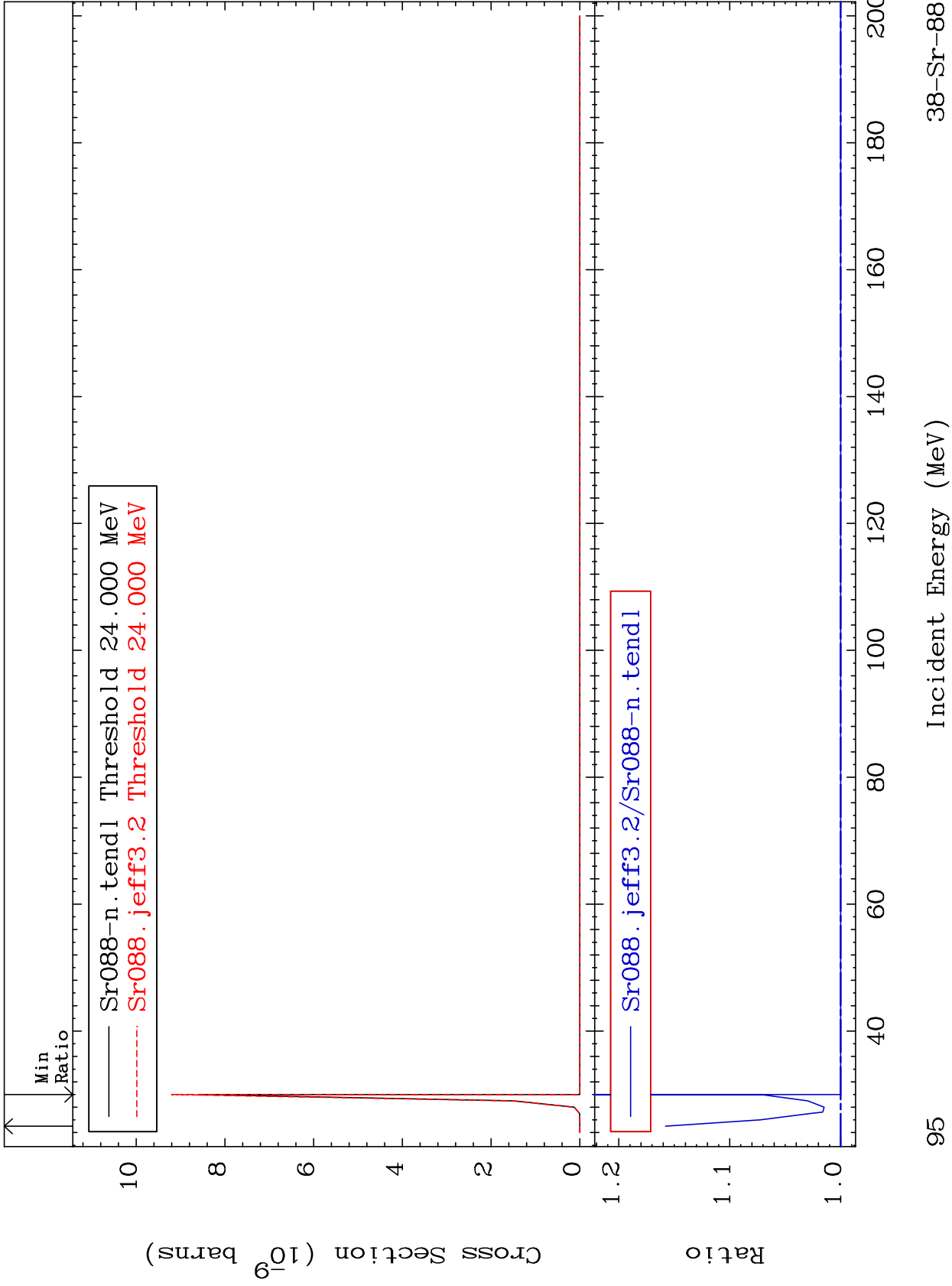
38-Sr-88

MAT 3837

(n, p) t:36-Kr-85m1

38-Sr-88

Radionuclide Production Cross Section 0.000 To 15.79 %



95