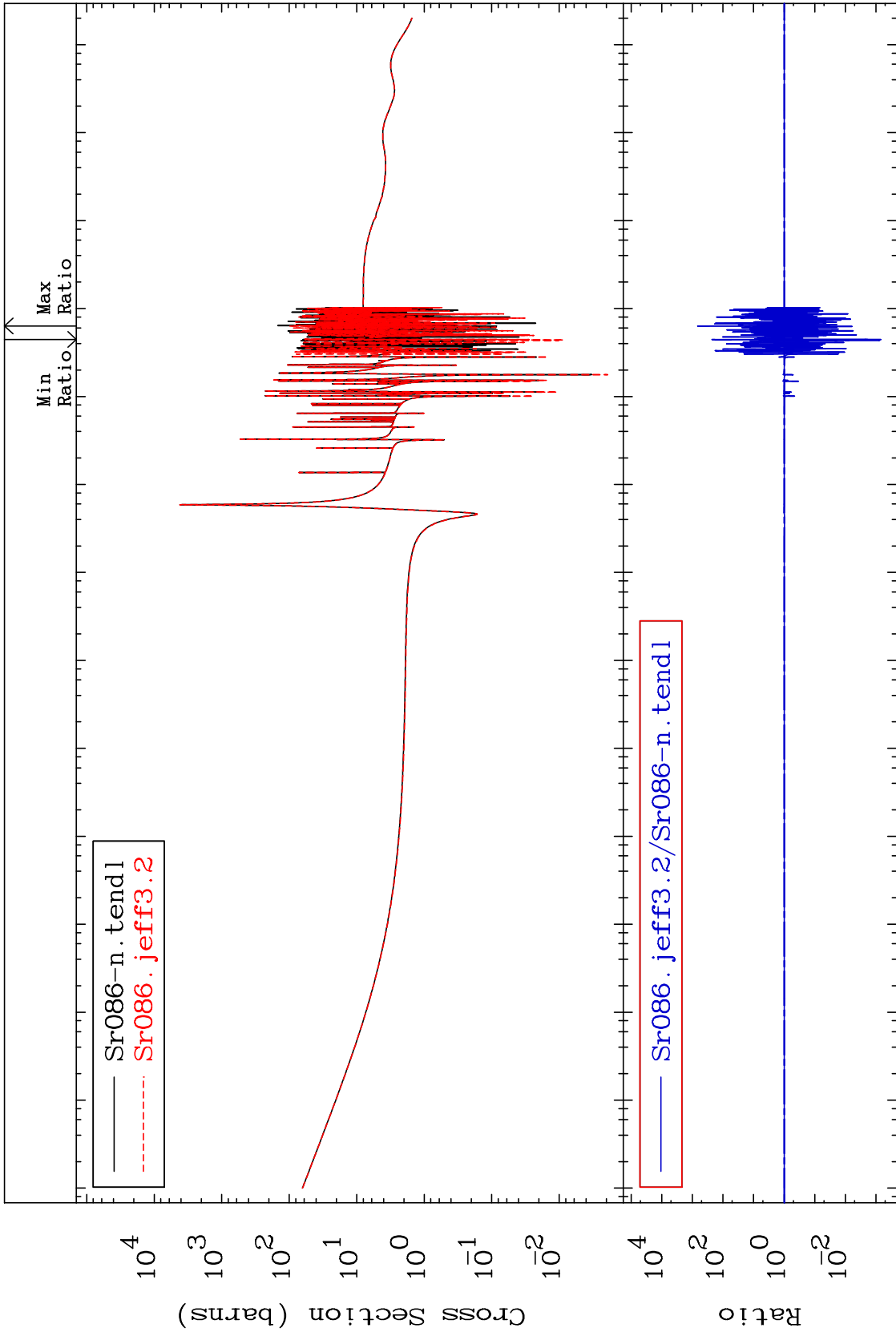


MAT 3831

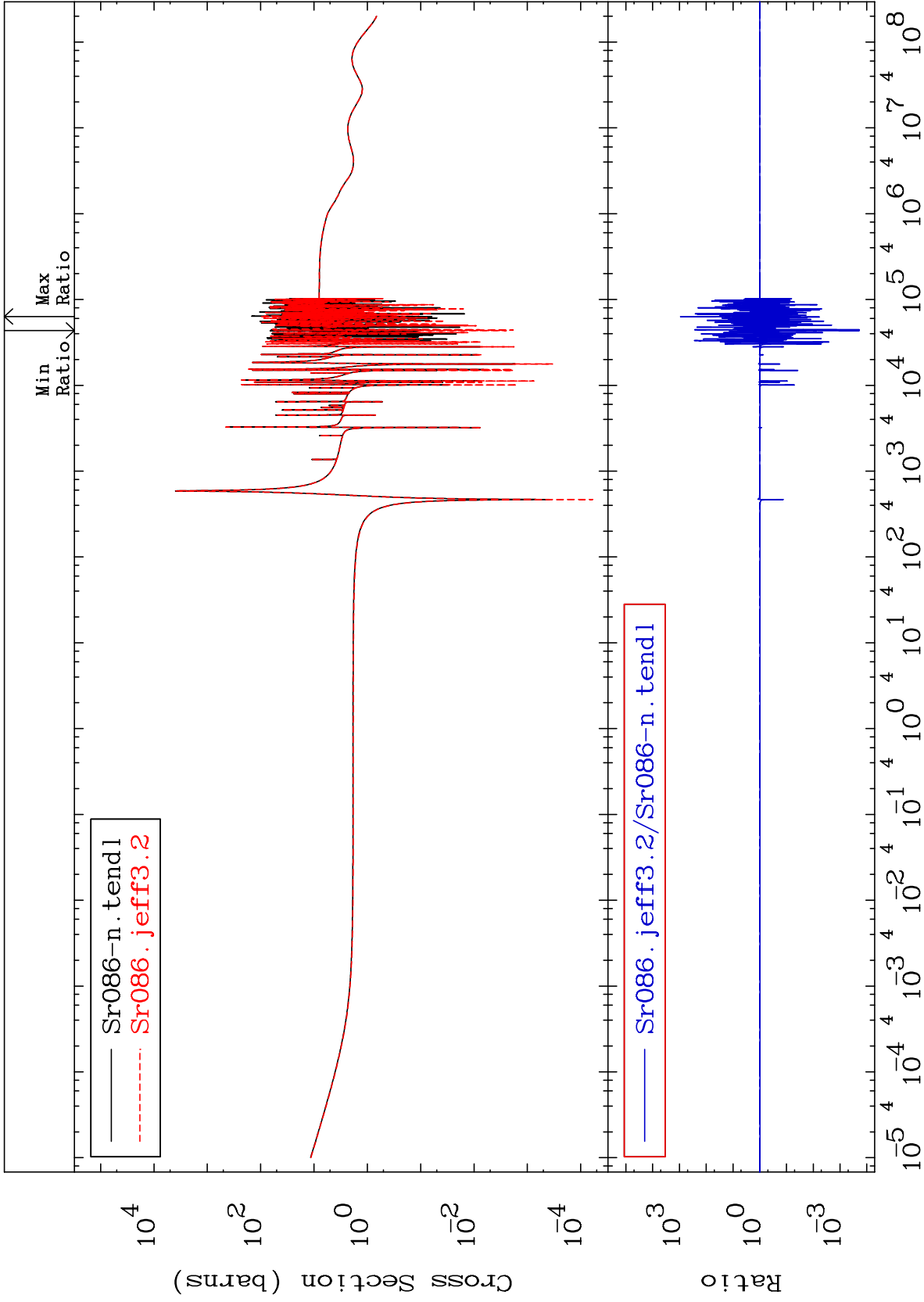
Total  
Cross Section

38-Sr-86  
-99.93 To 9999. %



Incident Energy (eV)

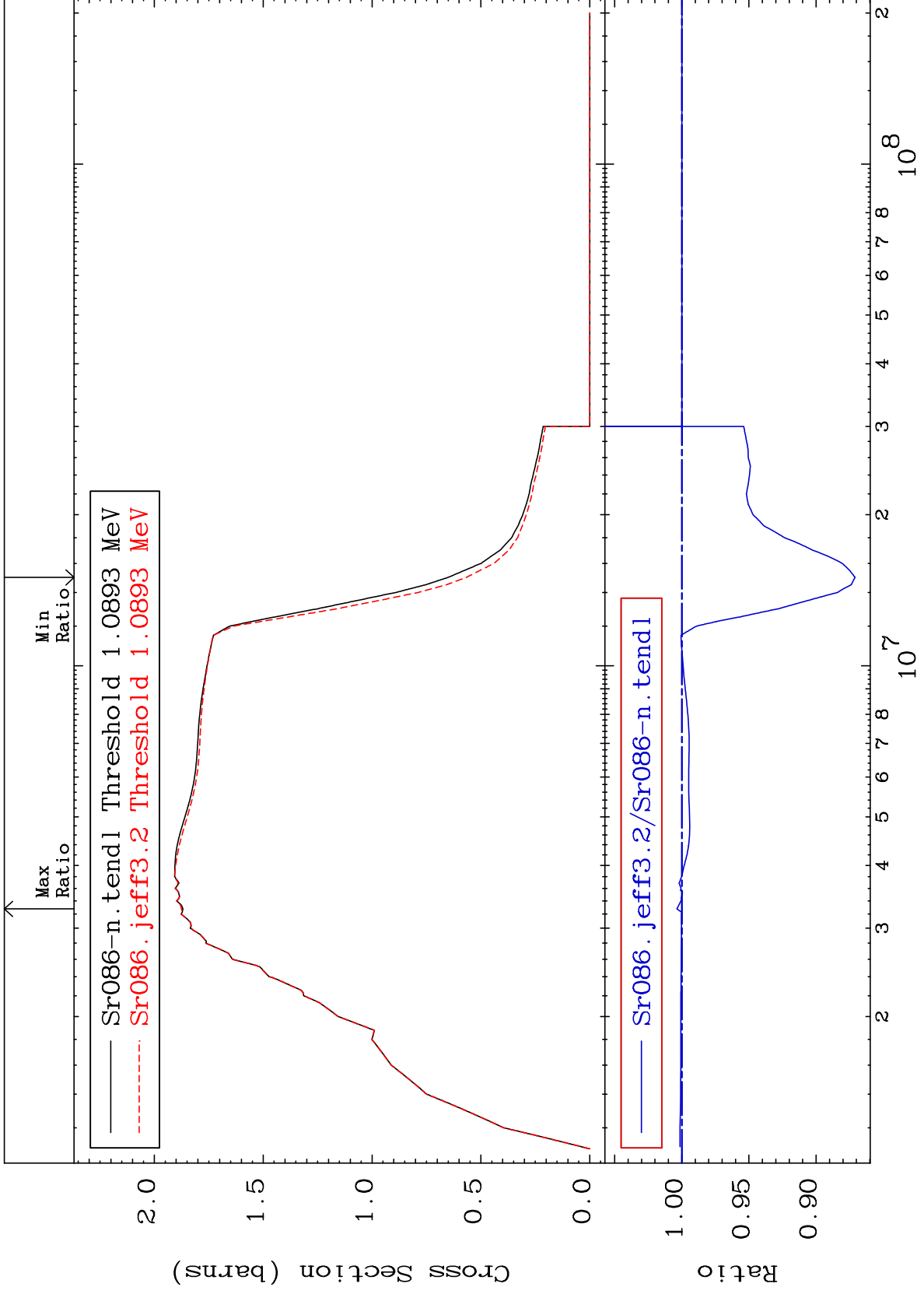
38-Sr-86



MAT 3831

Inelastic  
Cross Section

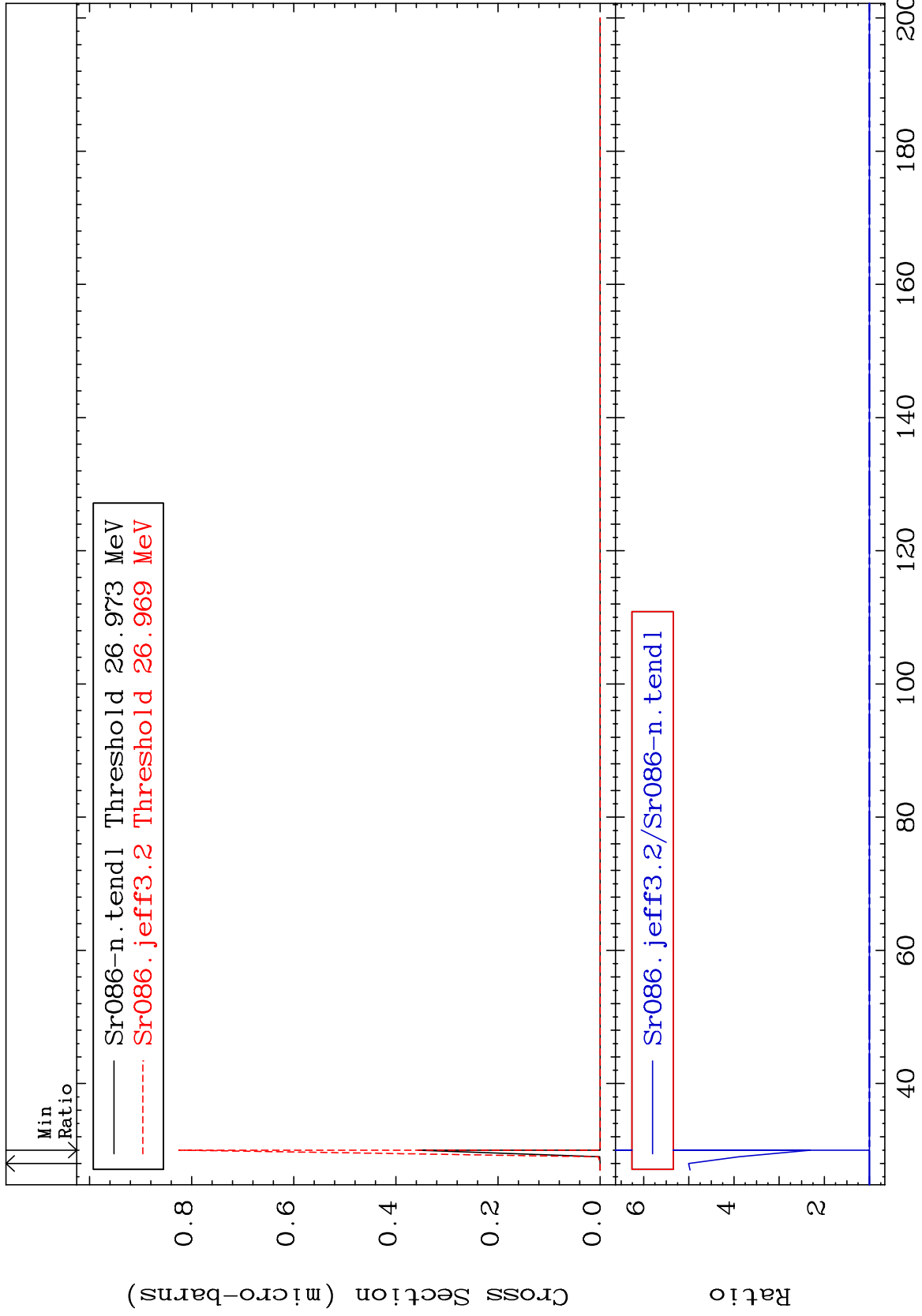
38-Sr-86  
-12.90 To 0.365 %

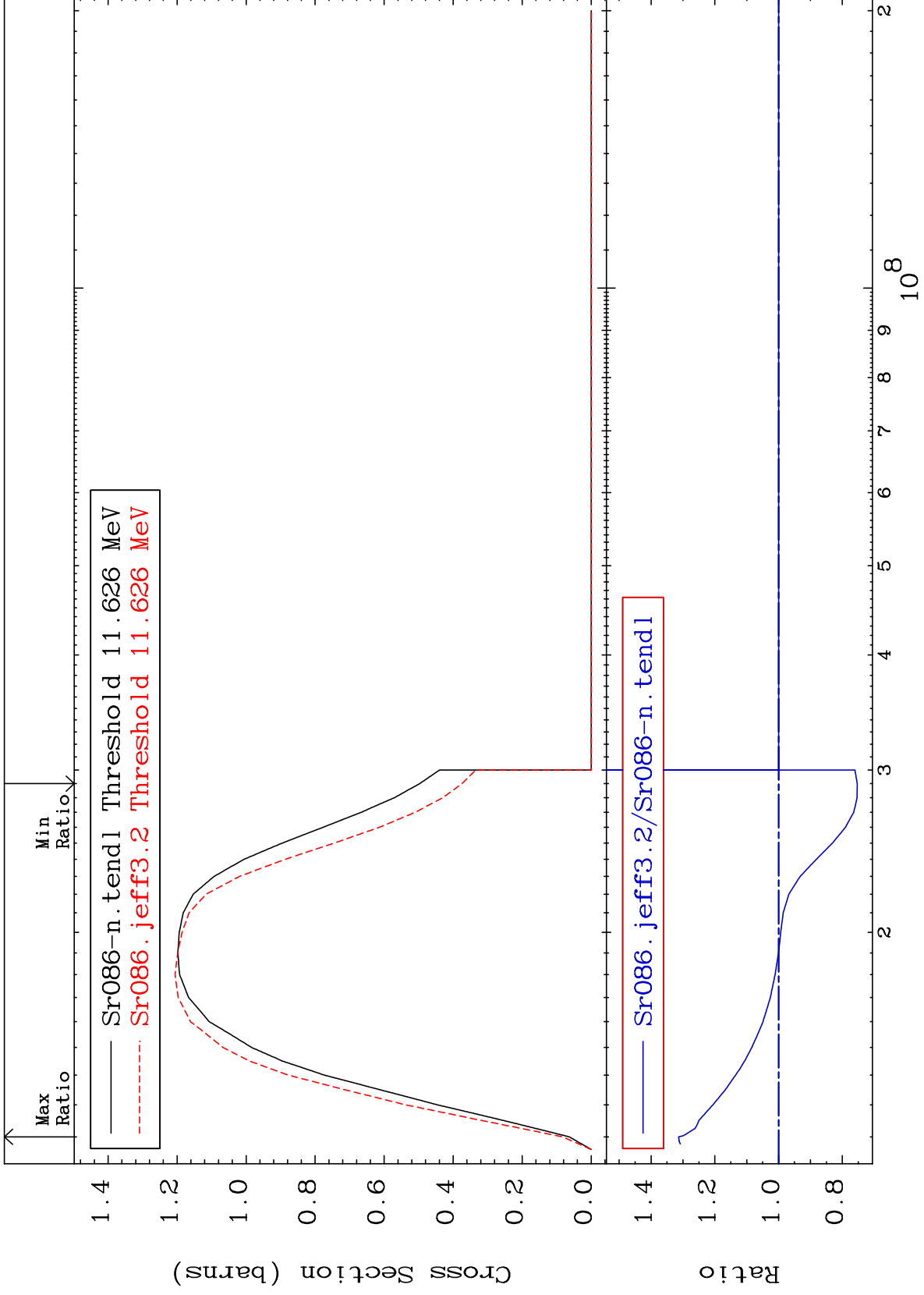


MAT 3831

(n,2n) d  
Cross Section

38-Sr-86  
0.000 To 400.5 %





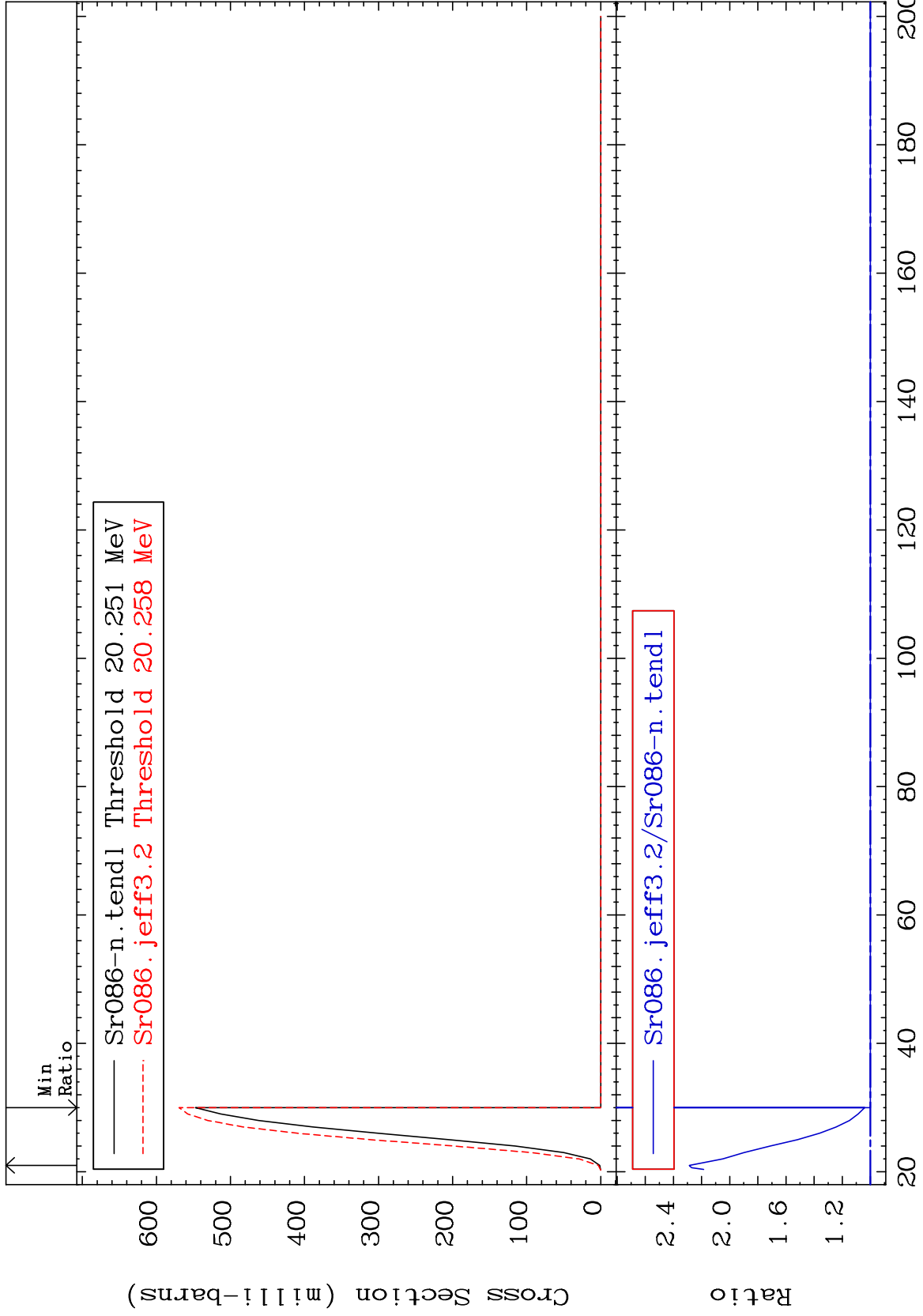
MAT 3831

(n,3n)

<sup>38</sup>Sr-86

Cross Section

0.000 To 128.7 %

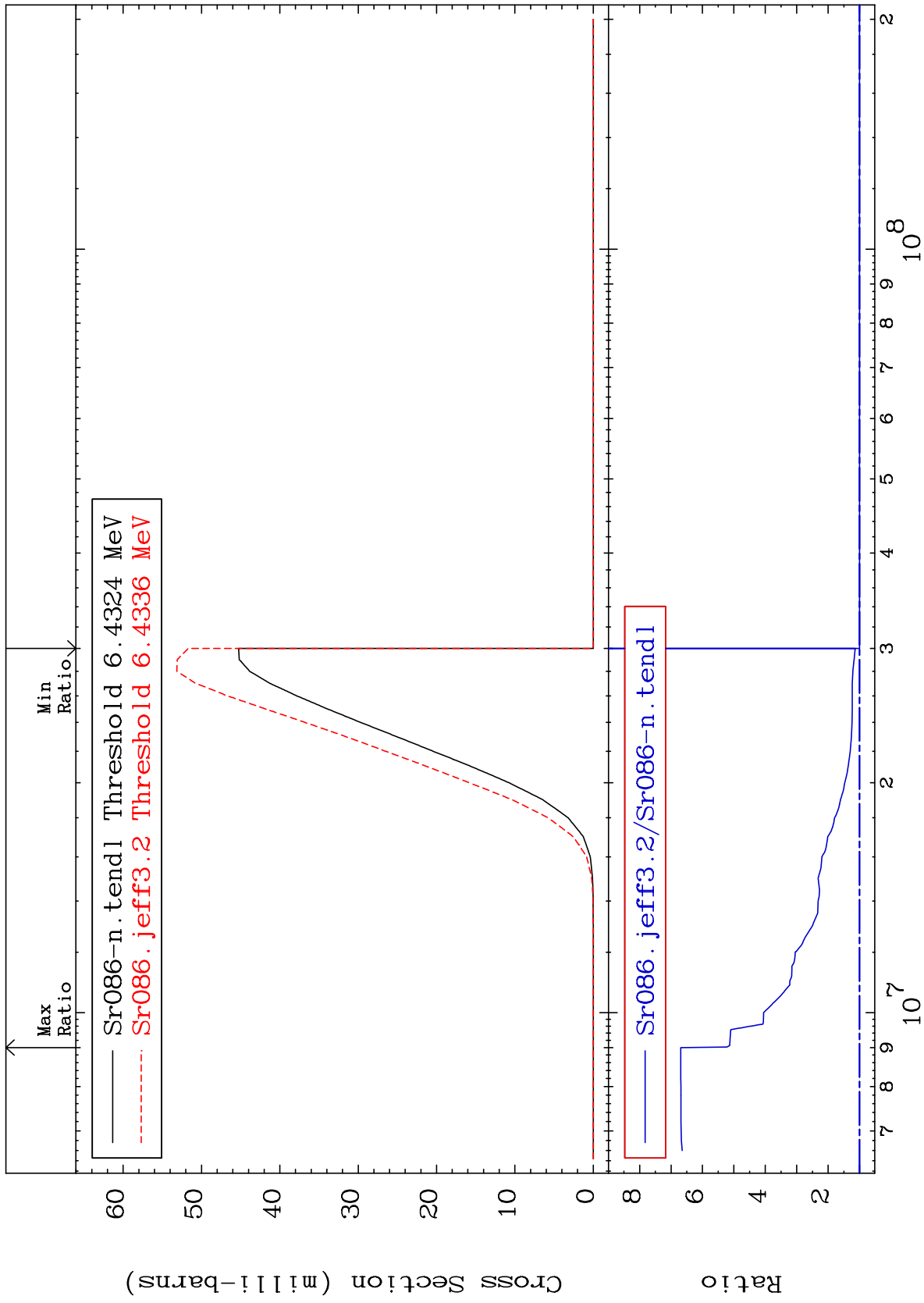


Incident Energy (MeV)

<sup>38</sup>Sr-86

6

MAT 3831  $(n, n') \alpha$  Cross Section  $^{38}\text{Sr-86}$  To 569.1 %

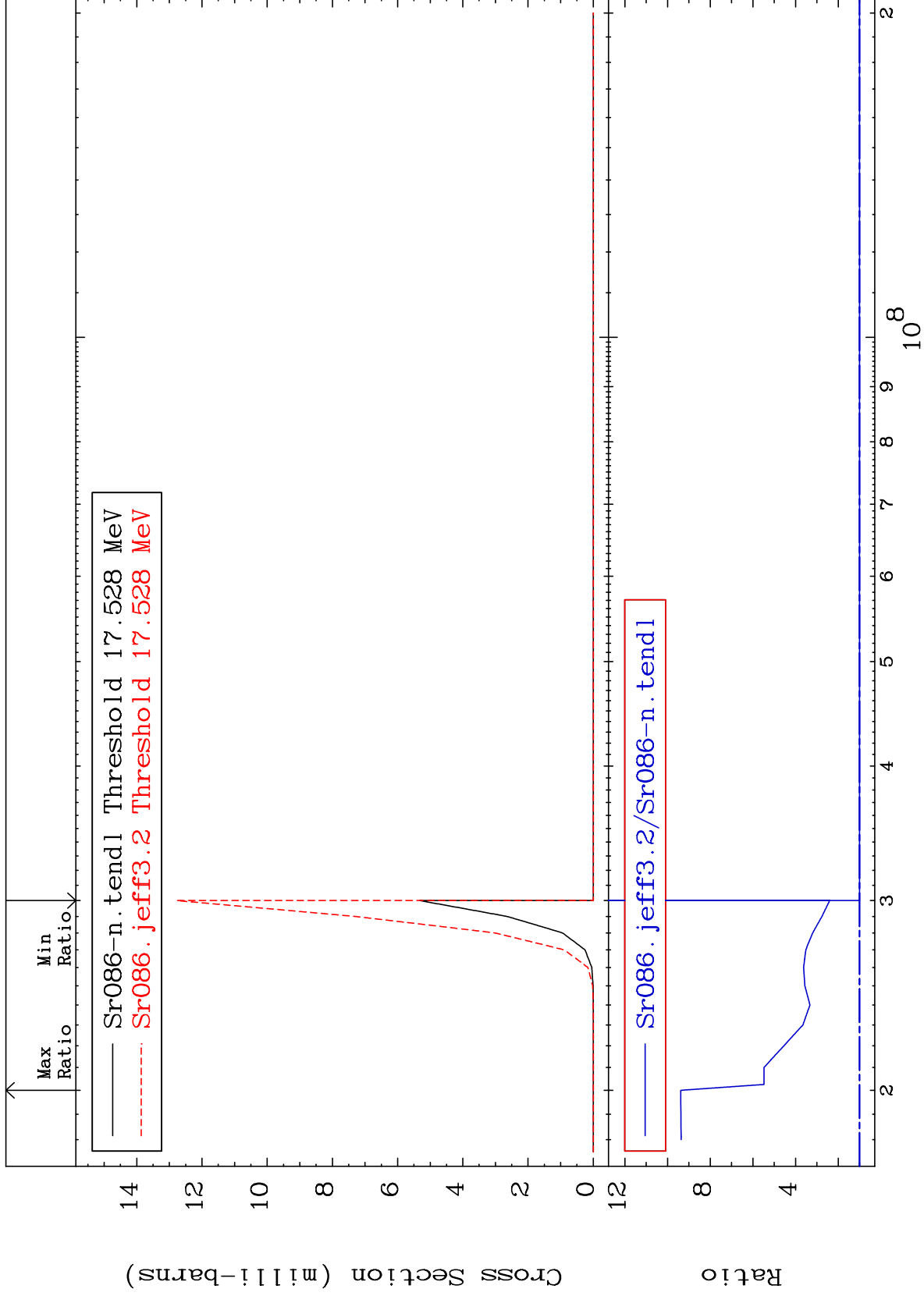


7  $^{38}\text{Sr-86}$

MAT 3831

(n,2n)  $\alpha$   
Cross Section

38-Sr-86  
0.000 To 837.9 %

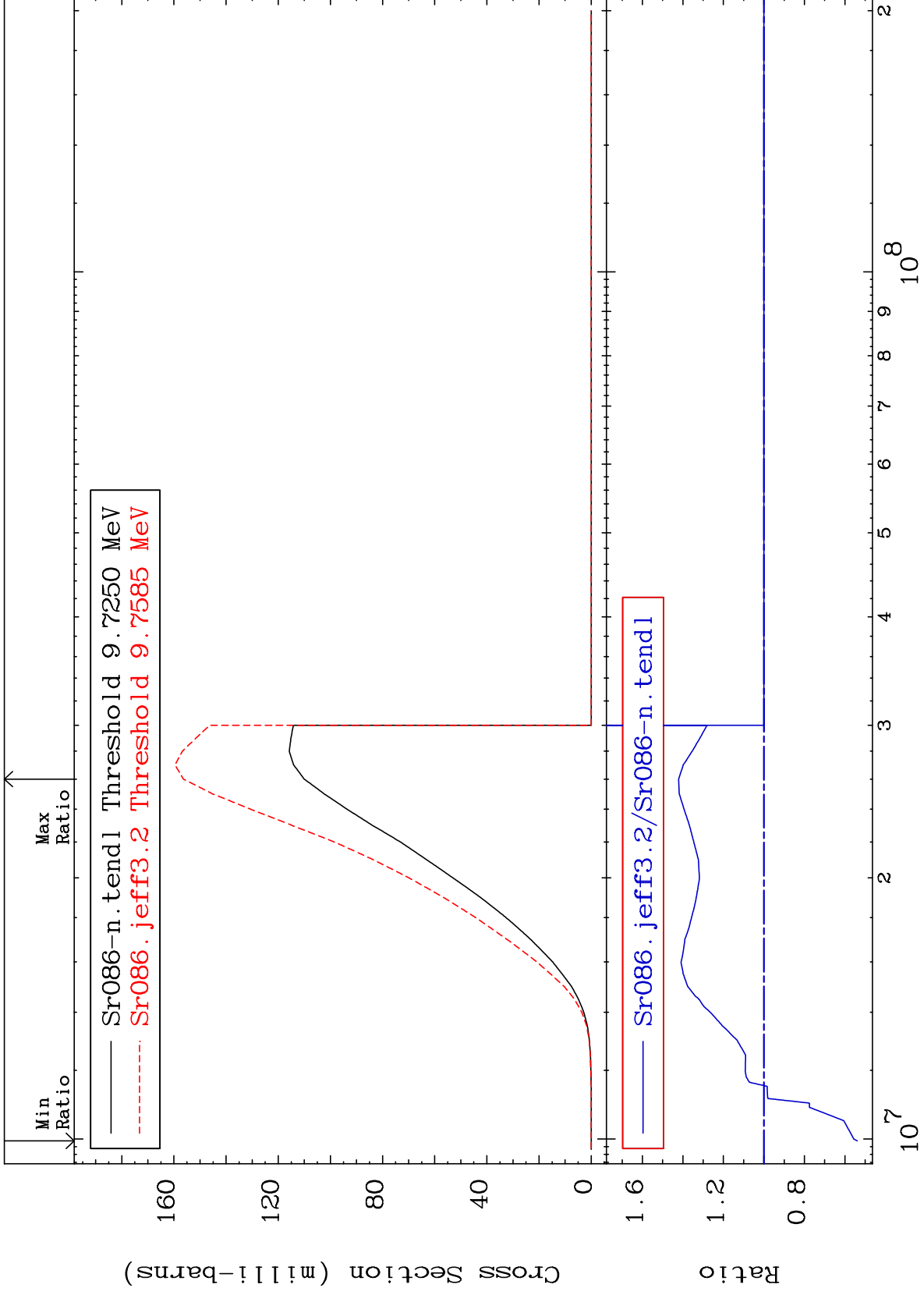




MAT 3831

(n,n') p  
Cross Section

38-Sr-86  
-46.11 To 42.12 %



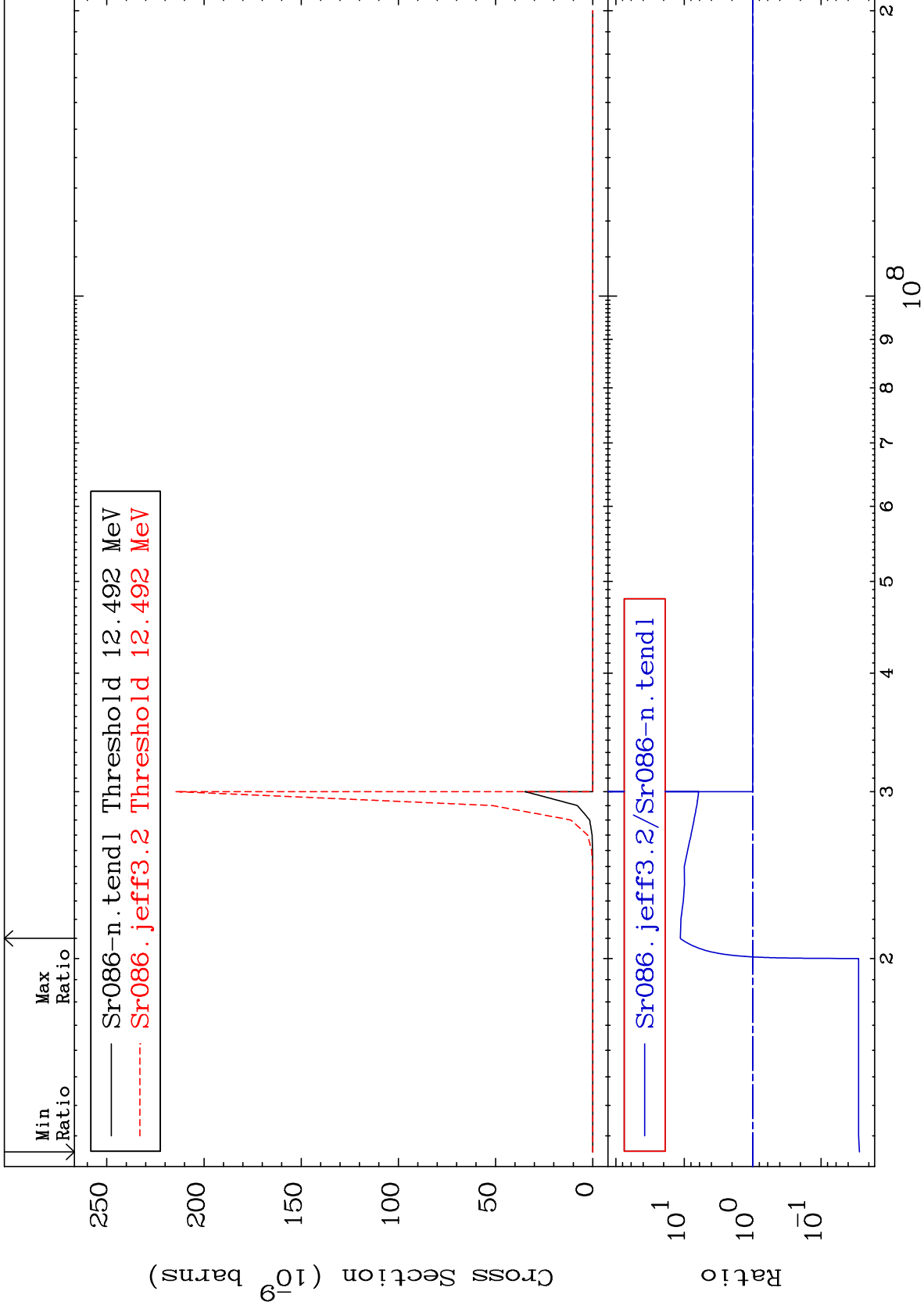
Incident Energy (eV)

38-Sr-86

MAT 3831

(n, n') 2α  
Cross Section

38-Sr-86  
-97.26 To 1041. %



10

Incident Energy (eV)

38-Sr-86

MAT 3831

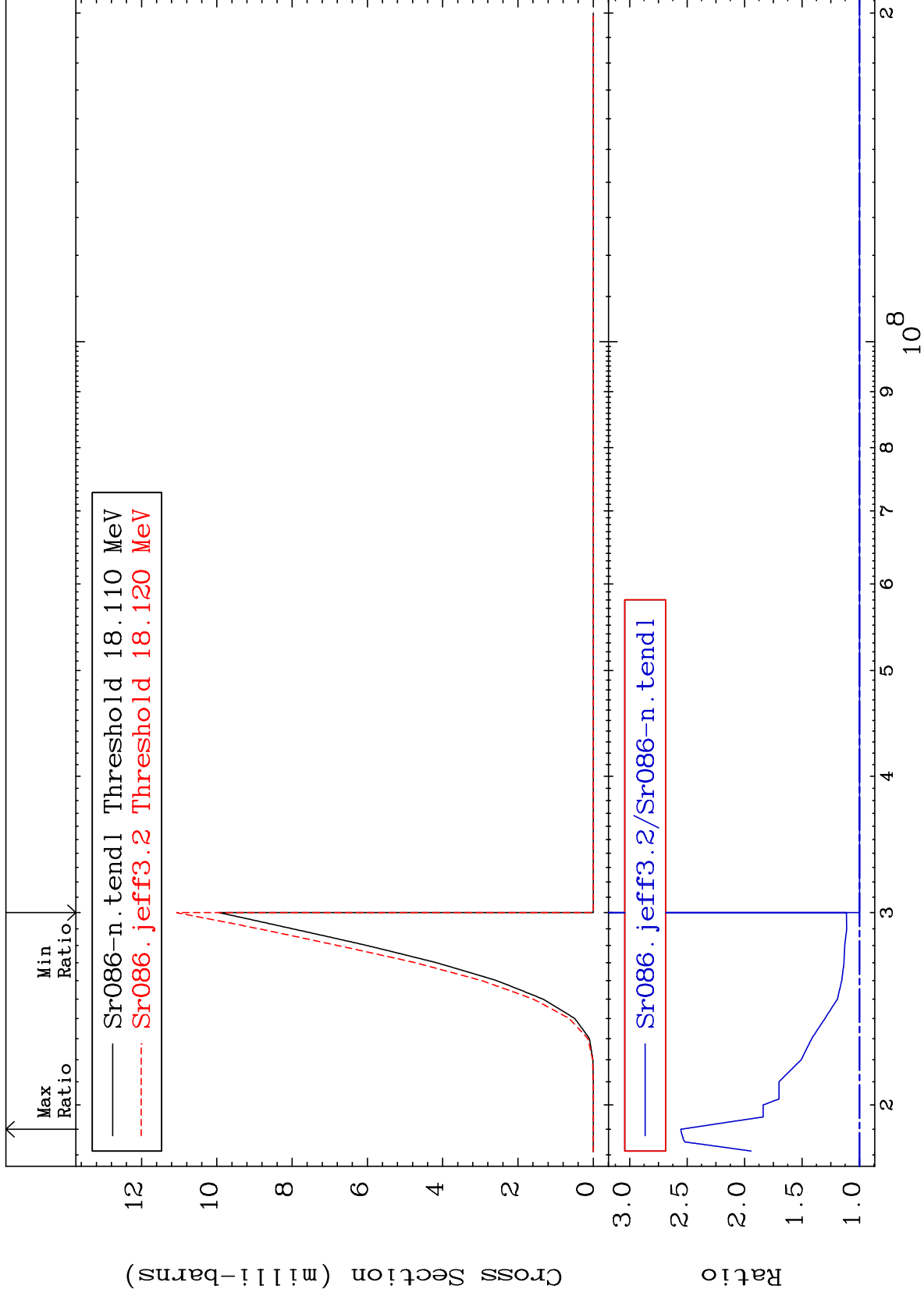
(n,n') d

38-Sr-86

Cross Section

0.000

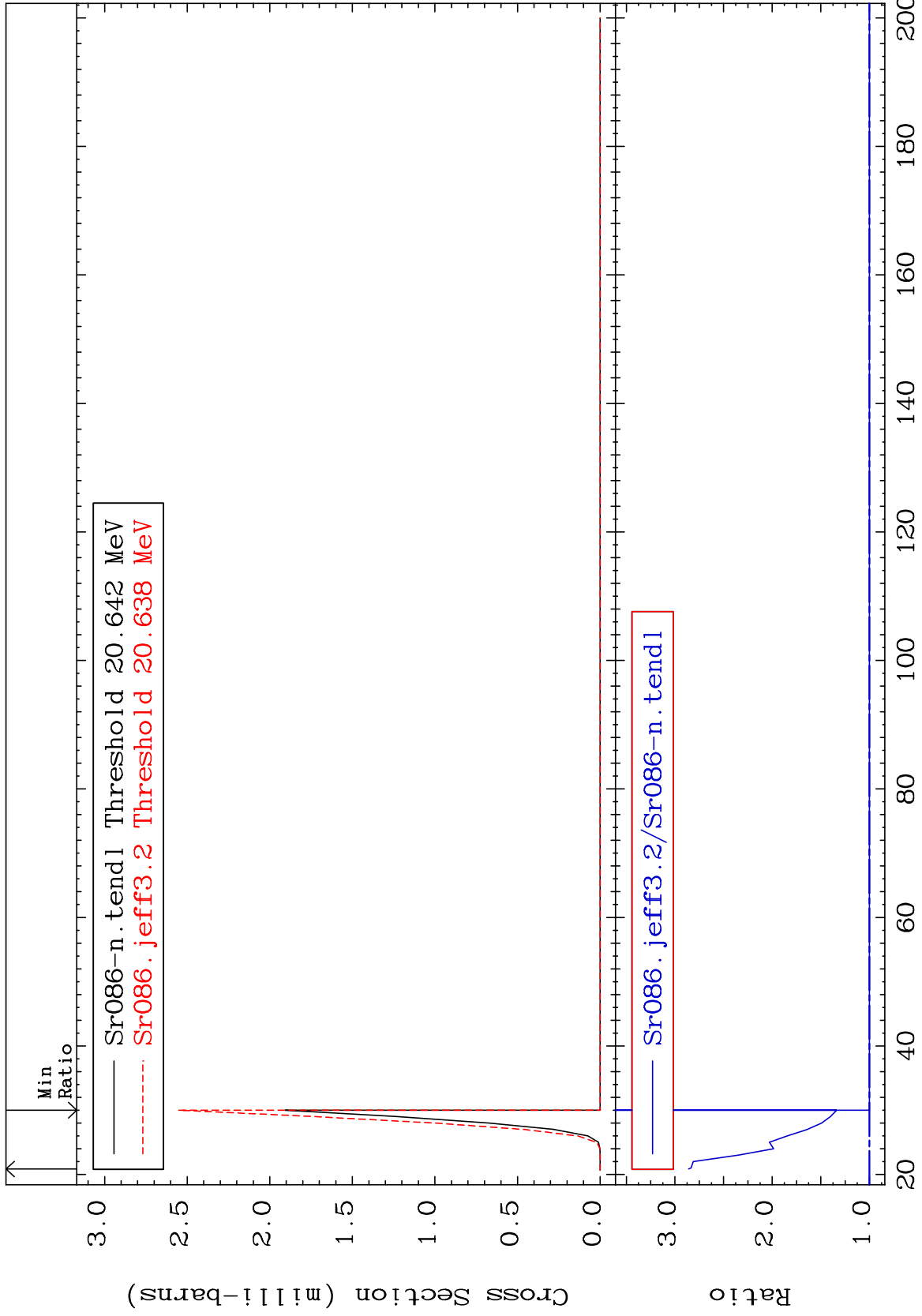
To 155.6 %



MAT 3831

(n,n') t  
Cross Section

38-Sr-86  
0.000 To 186.0 %



12

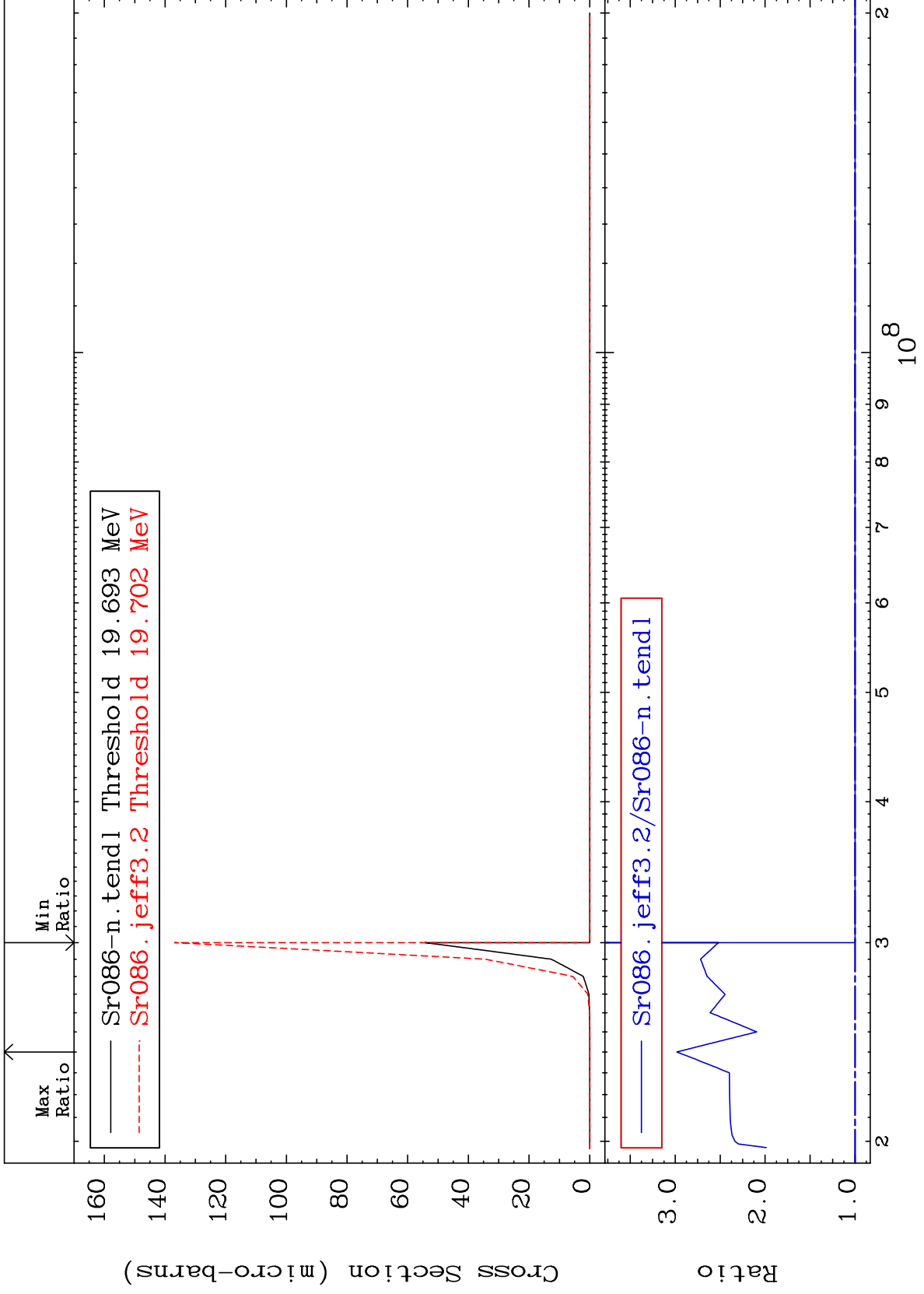
Incident Energy (MeV)

38-Sr-86

MAT 3831

(n, n') He-3  
Cross Section

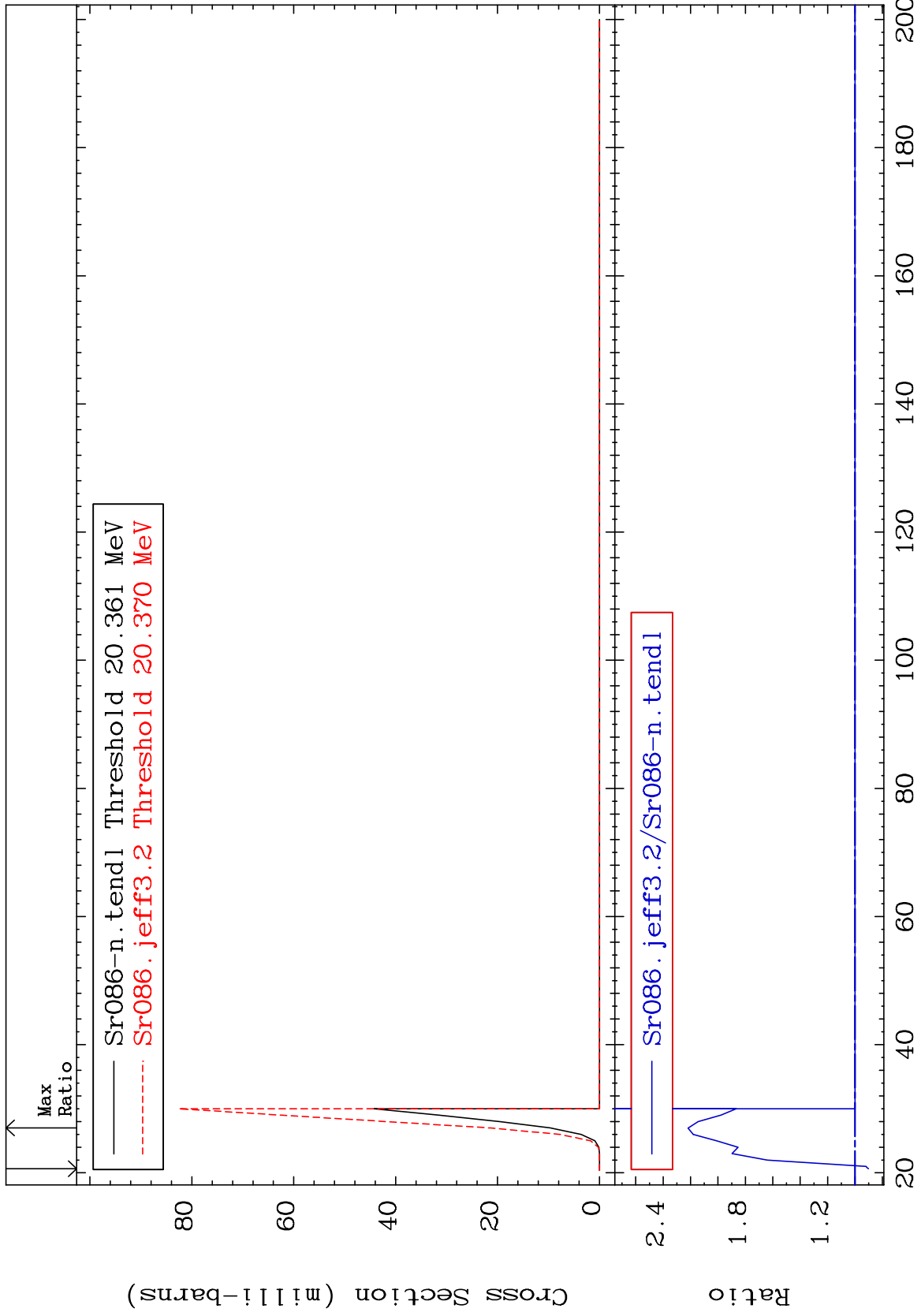
38-Sr-86  
0.000 To 198.0 %



MAT 3831

(n,2n) p  
Cross Section

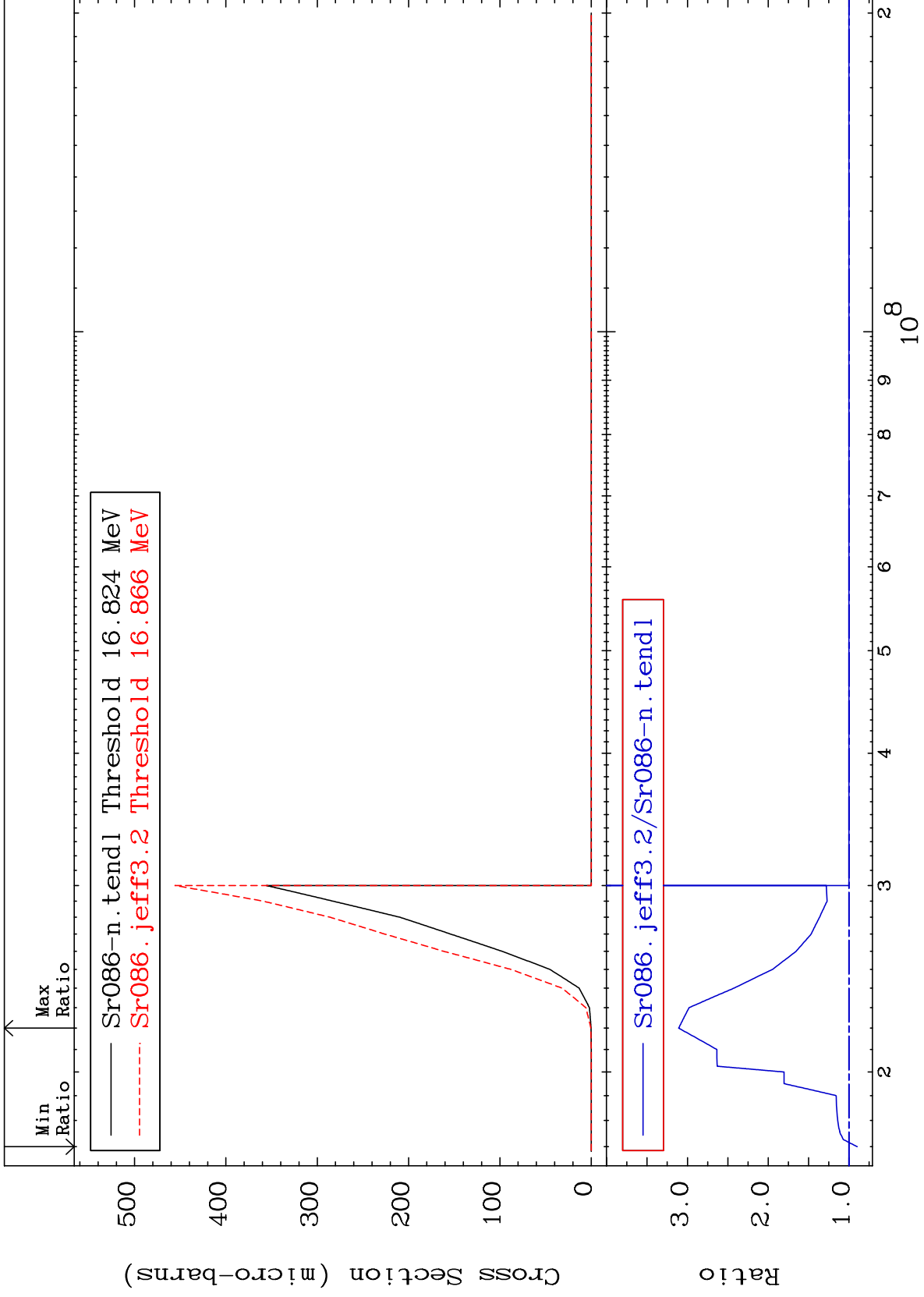
<sup>38</sup>Sr-86  
-9.821 To 122.0 %



MAT 3831

(n,2n) p  
Cross Section

<sup>38</sup>Sr-86  
-10.30 To 210.9 %



15

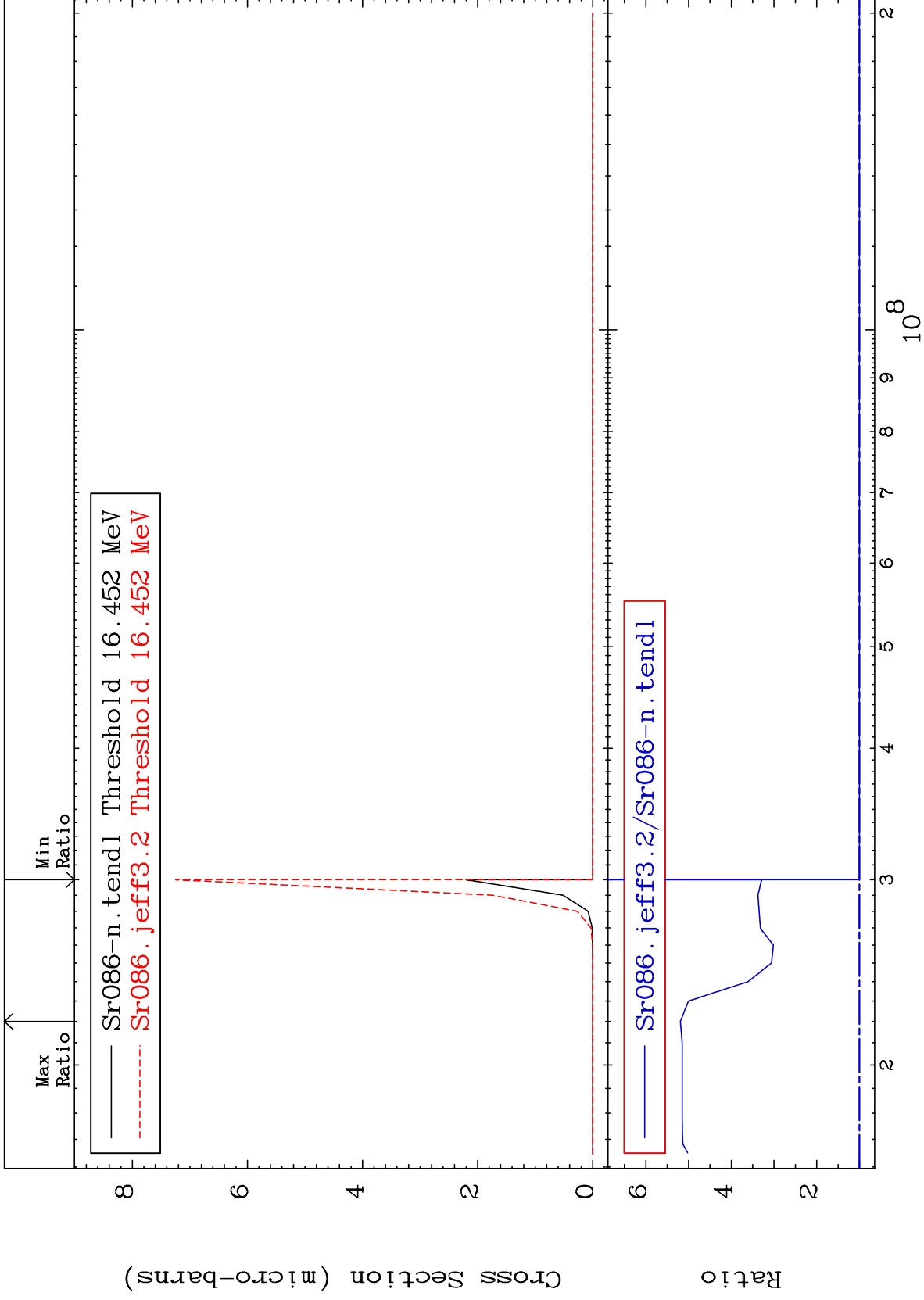
Incident Energy (eV)

<sup>38</sup>Sr-86

MAT 3831

(n,n') p  $\alpha$   
Cross Section

38-Sr-86  
0.000 To 419.3 %

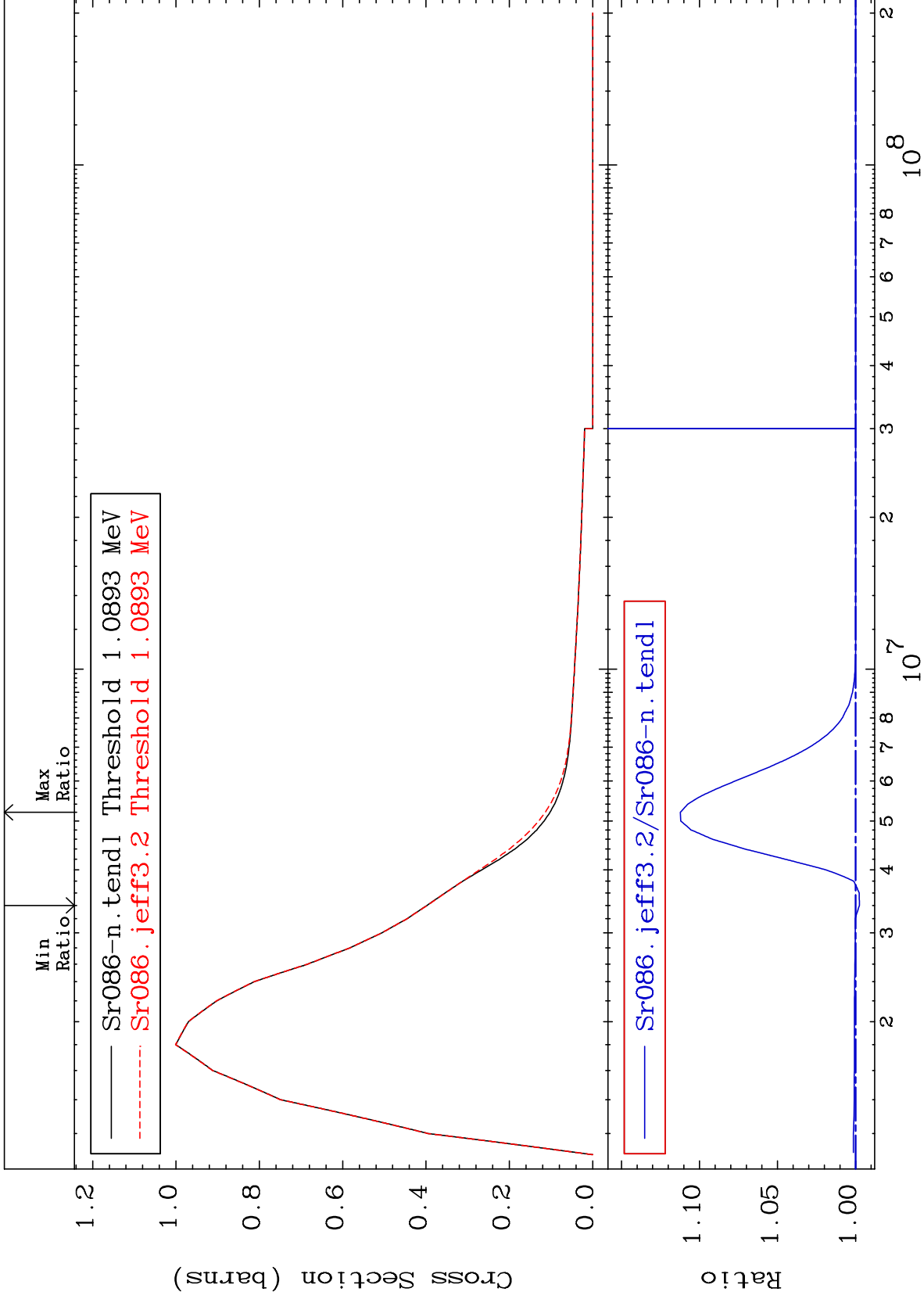


16

38-Sr-86

38-Sr-86

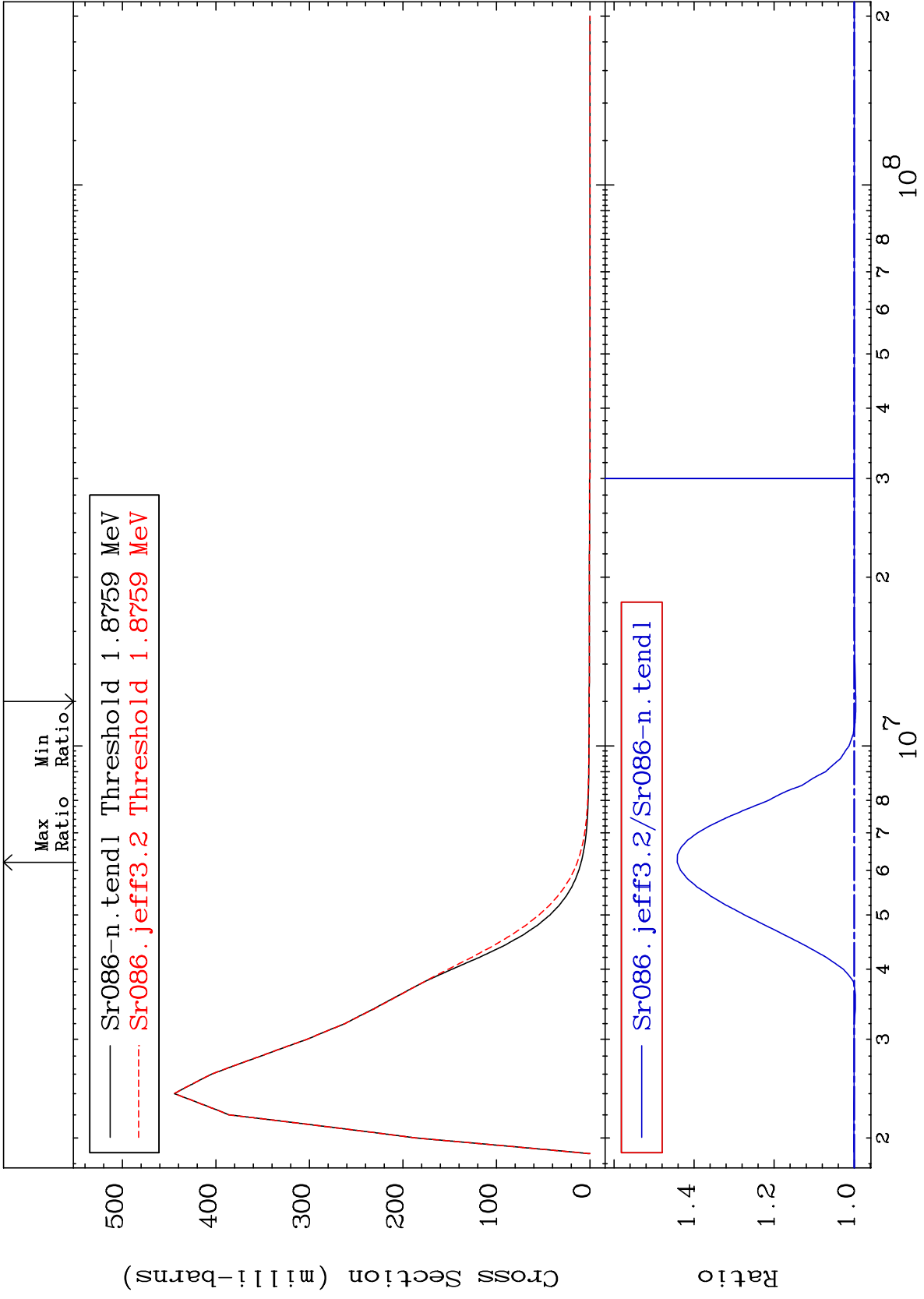




MAT 3831

1.854 MeV (n,n') Level  
Cross Section

38-Sr-86  
-0.384 To 44.21 %



18

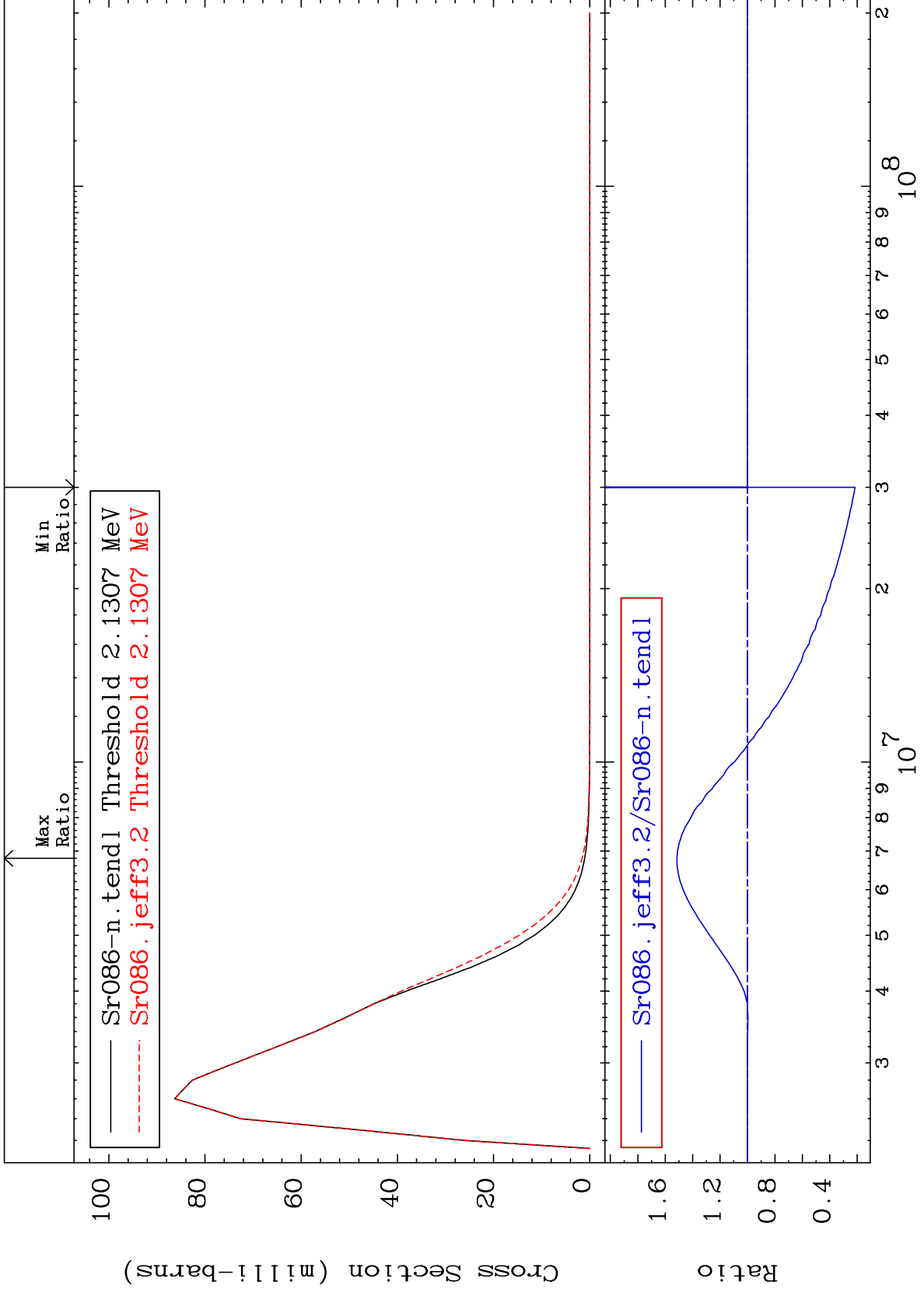
Incident Energy (eV)

38-Sr-86

MAT 3831

2.106 MeV (n,n') Level  
Cross Section

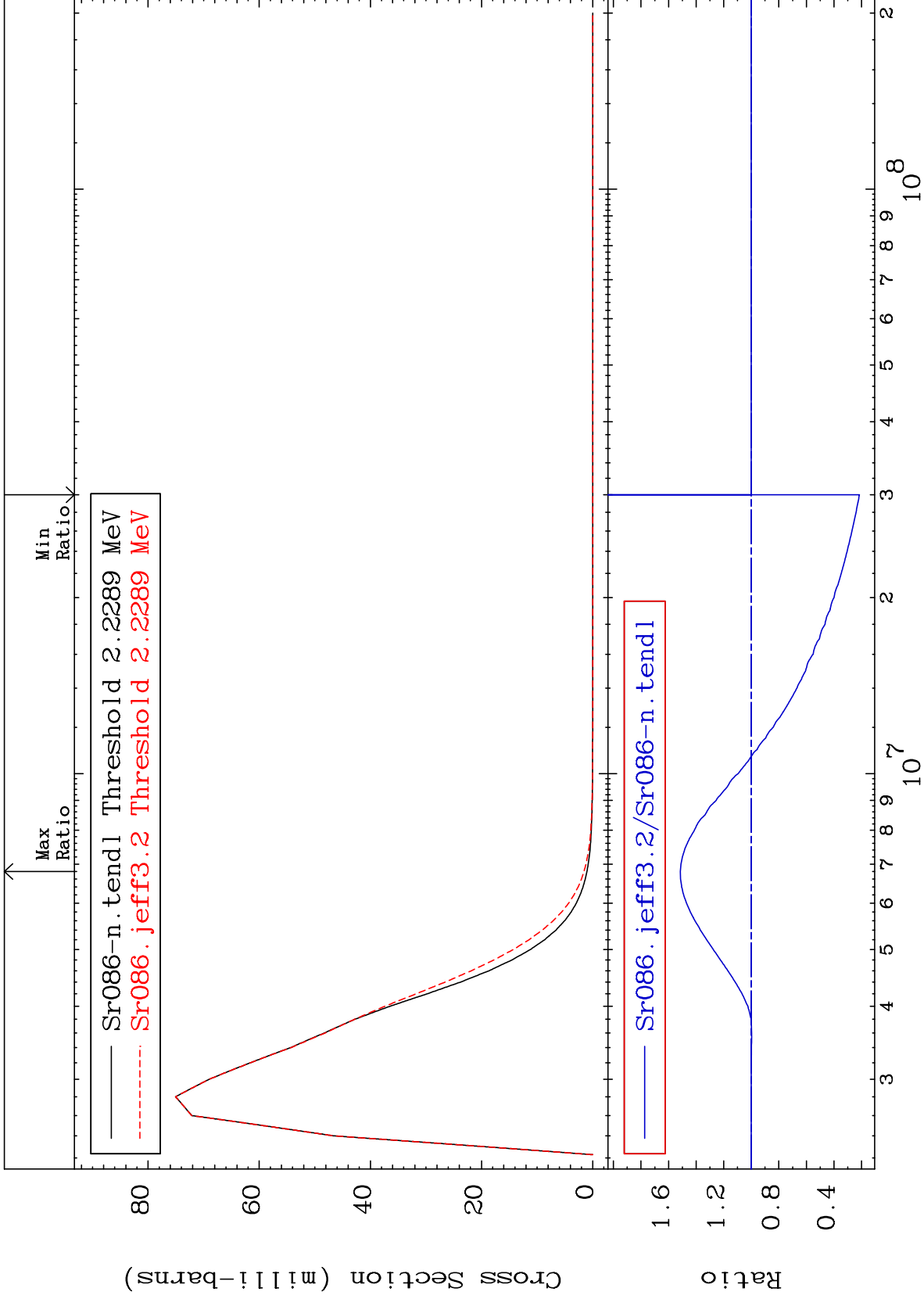
38-Sr-86  
-78.47 To 51.47 %



MAT 3831

2.203 MeV (n,n') Level  
Cross Section

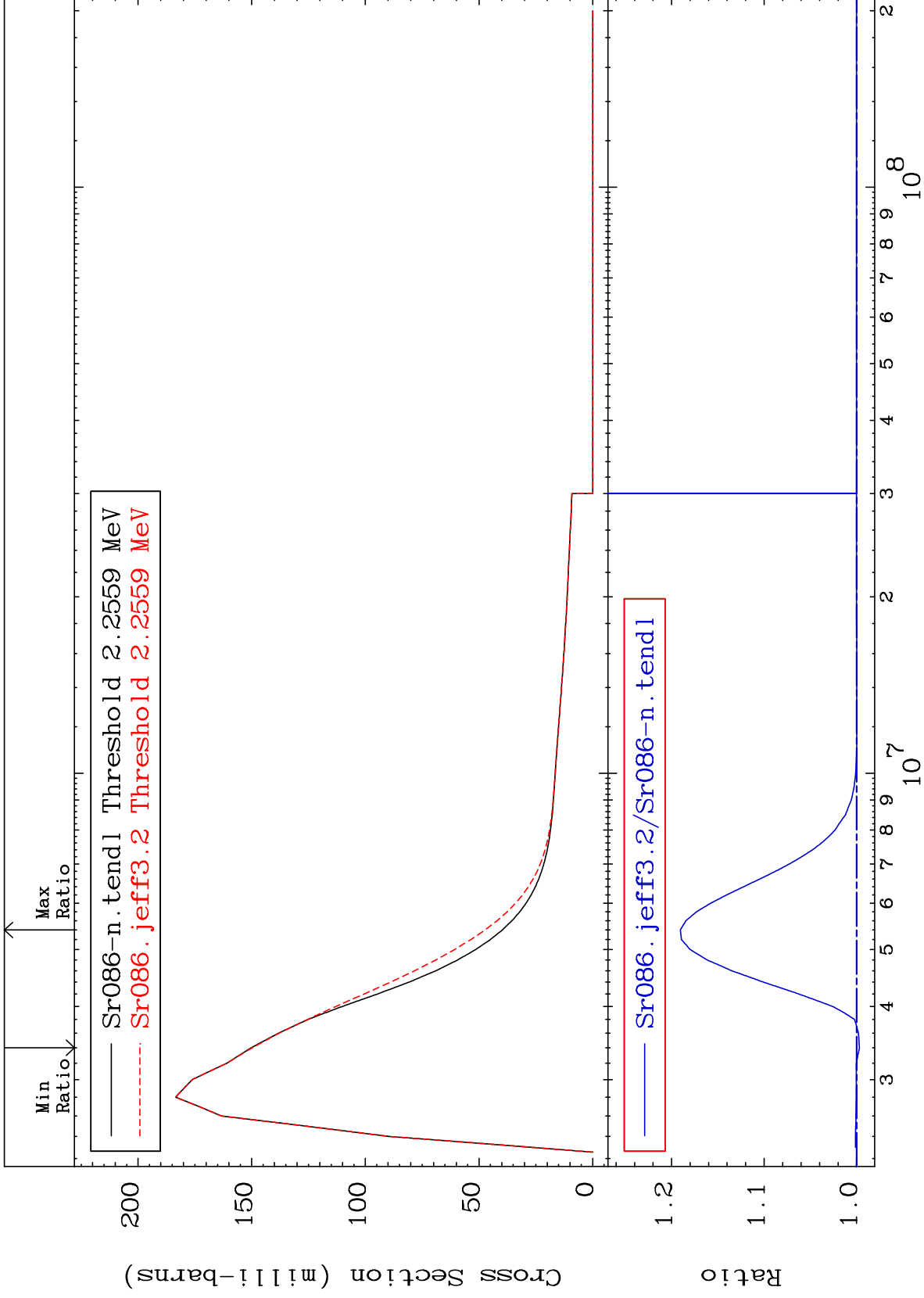
38-Sr-86  
-78.48 To 51.44 %



MAT 3831

2.230 MeV (n,n') Level  
Cross Section

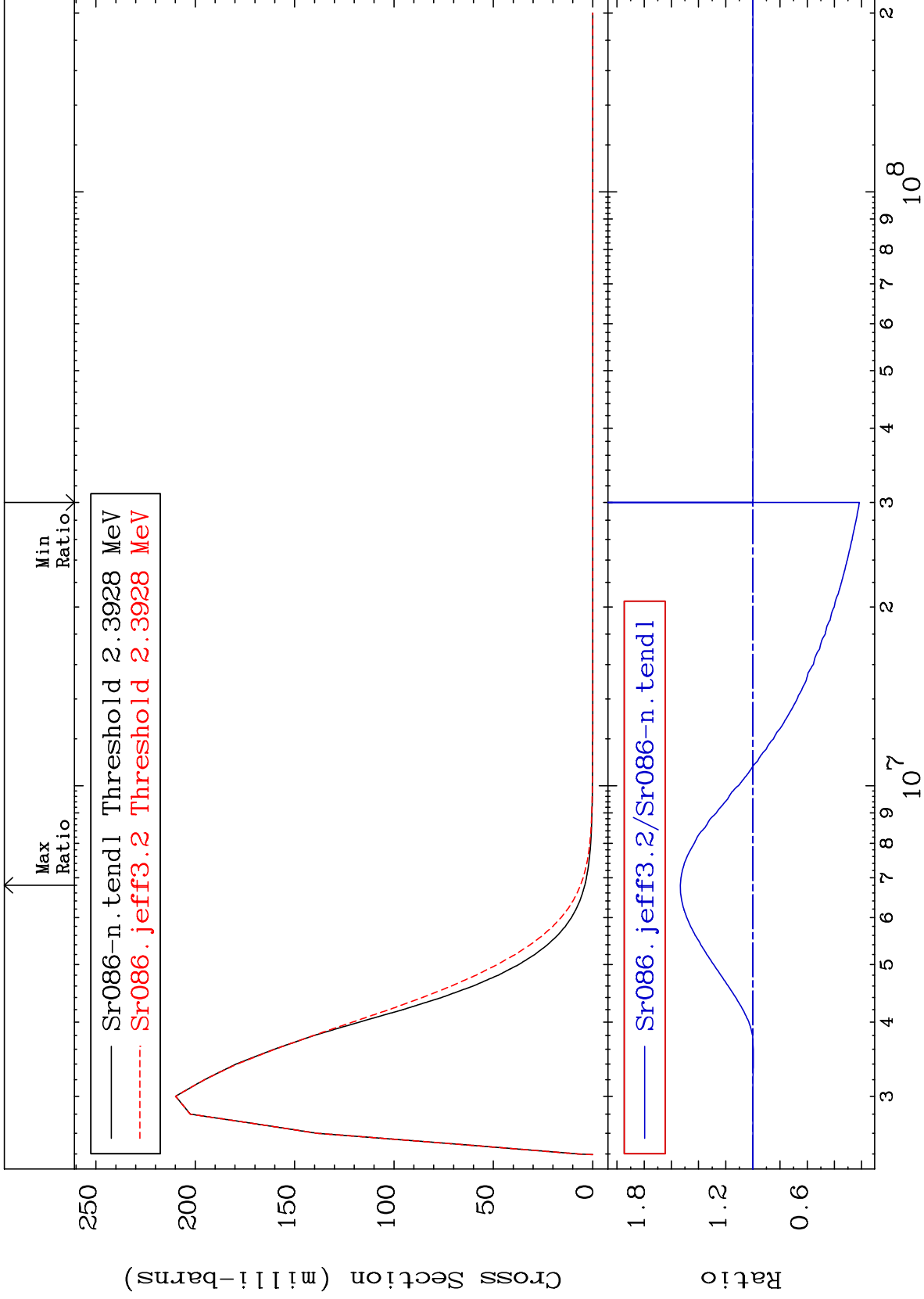
38-Sr-86  
-0.306 To 19.05 %



MAT 3831

2.365 MeV (n,n') Level  
Cross Section

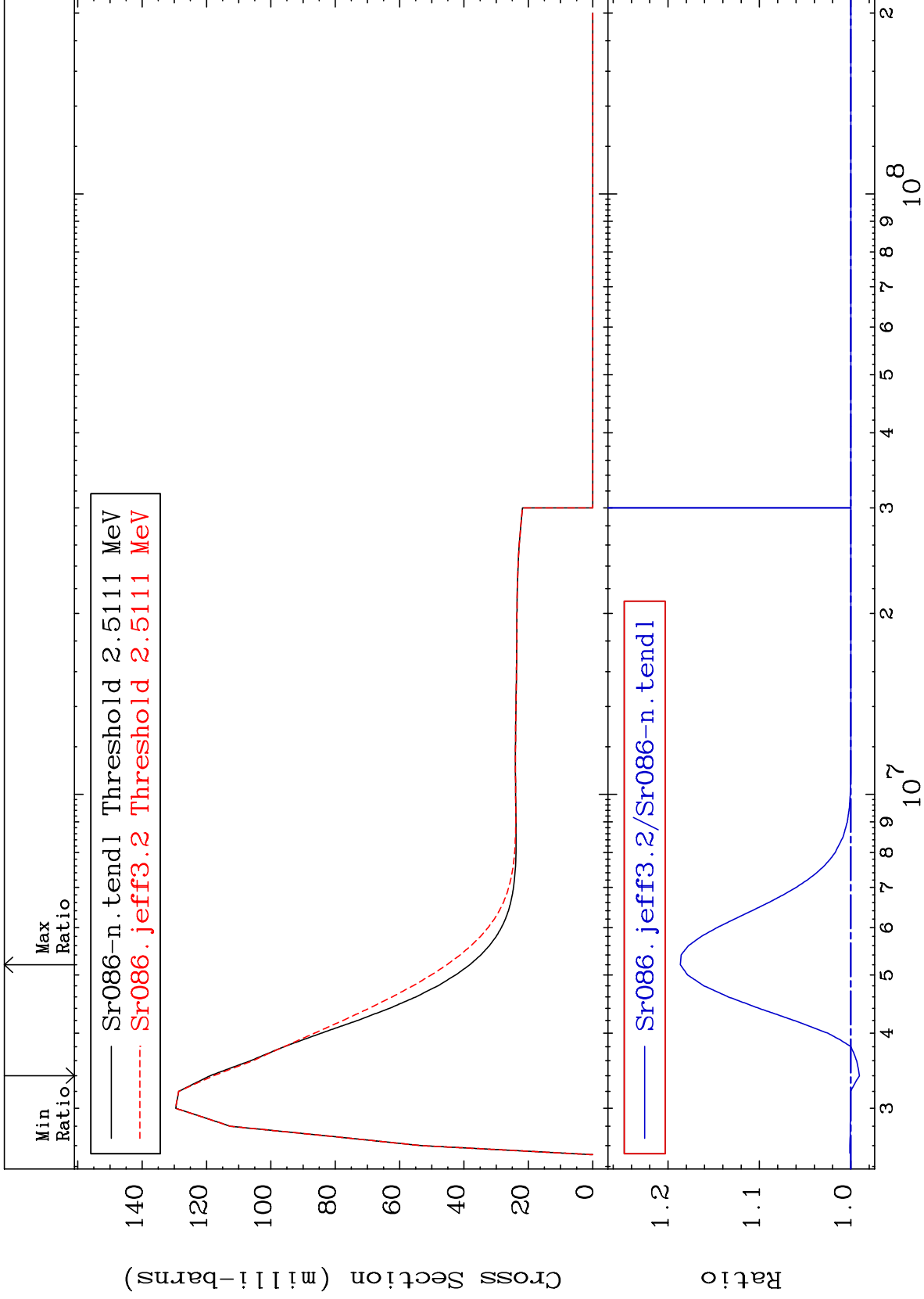
38-Sr-86  
-78.44 To 53.38 %

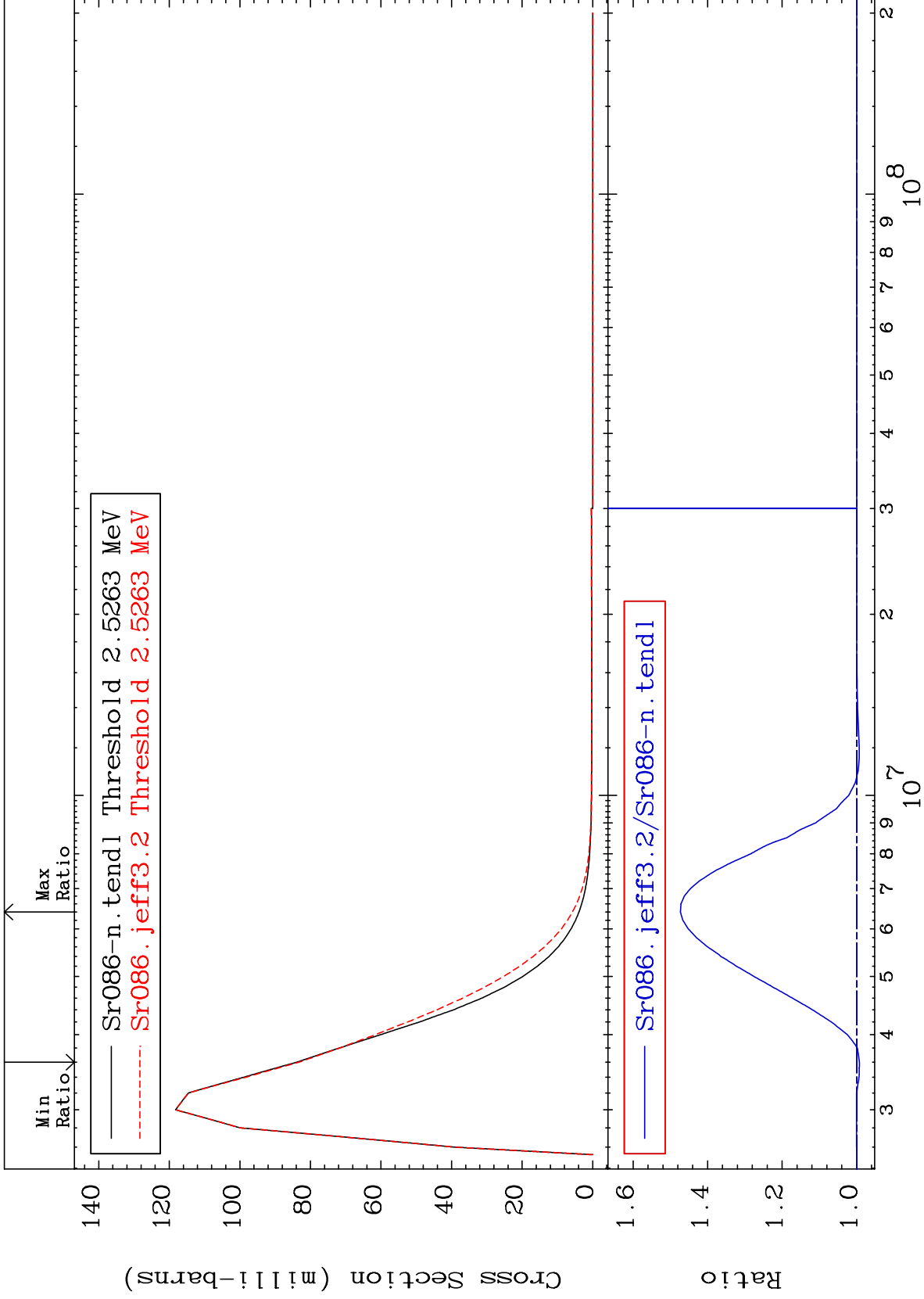


MAT 3831

2.482 MeV (n,n') Level  
Cross Section

38-Sr-86  
-0.938 To 18.65 %



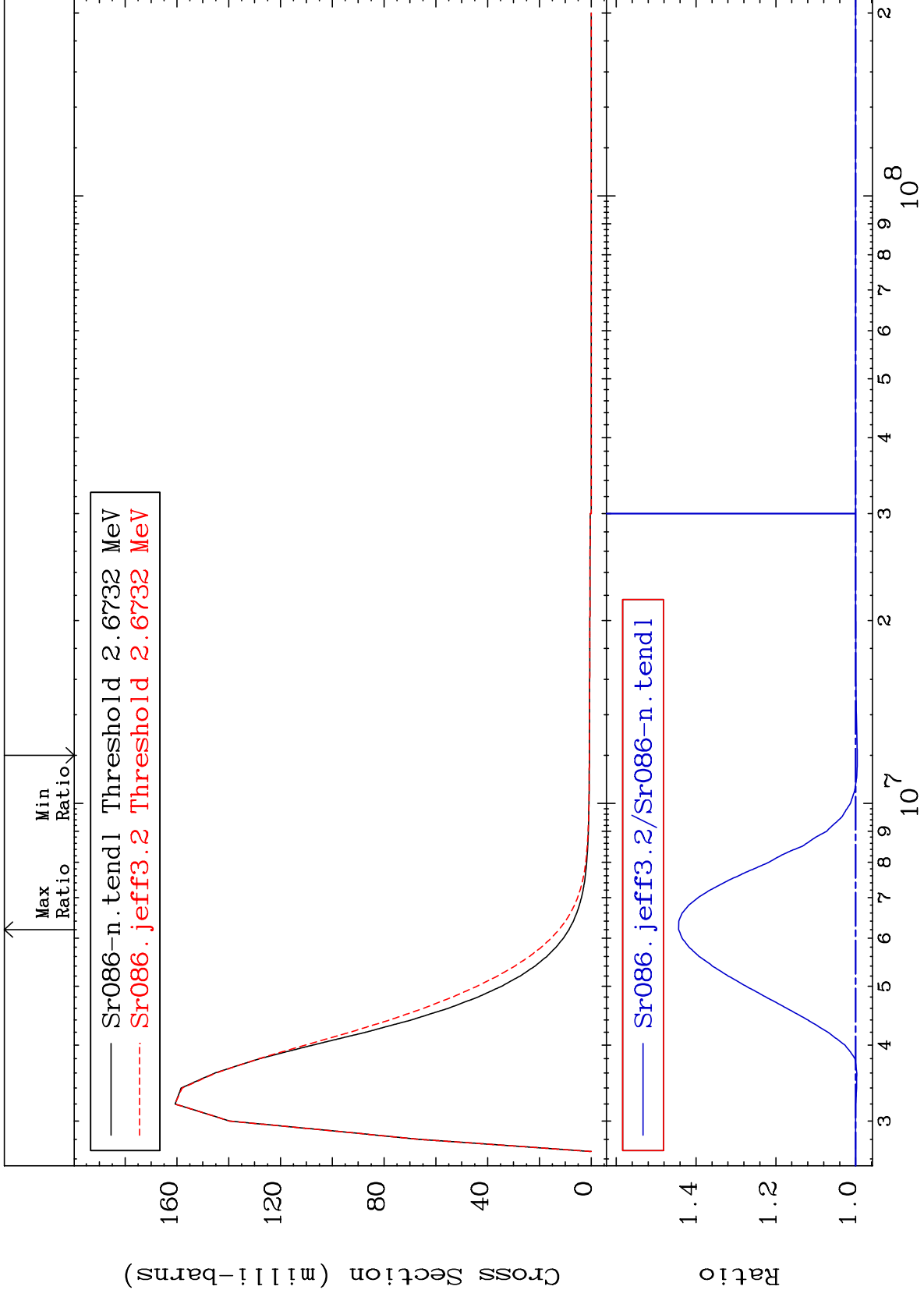




MAT 3831

2.642 MeV (n,n') Level  
Cross Section

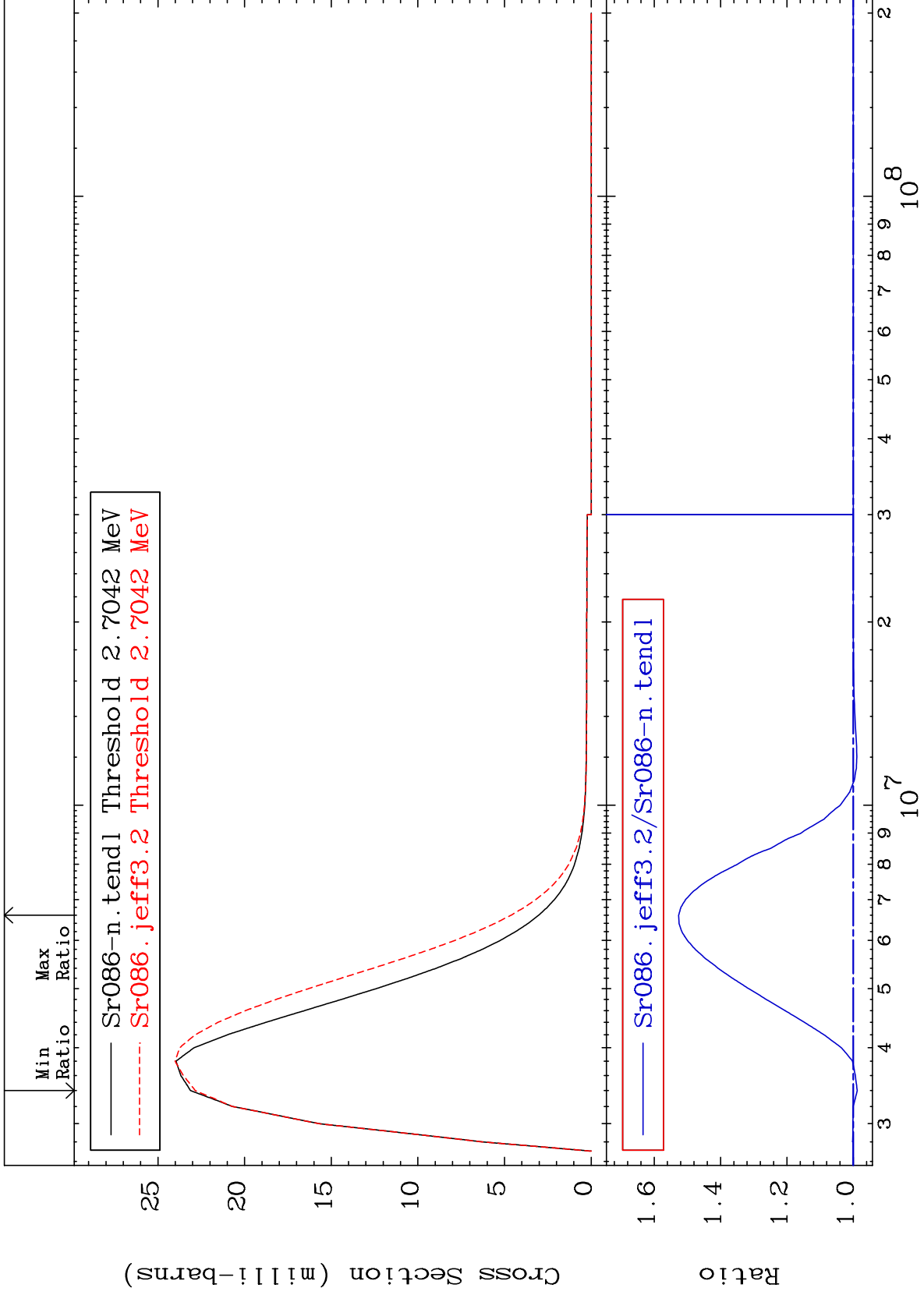
38-Sr-86  
-0.396 To 44.36 %



MAT 3831

2.673 MeV (n,n') Level  
Cross Section

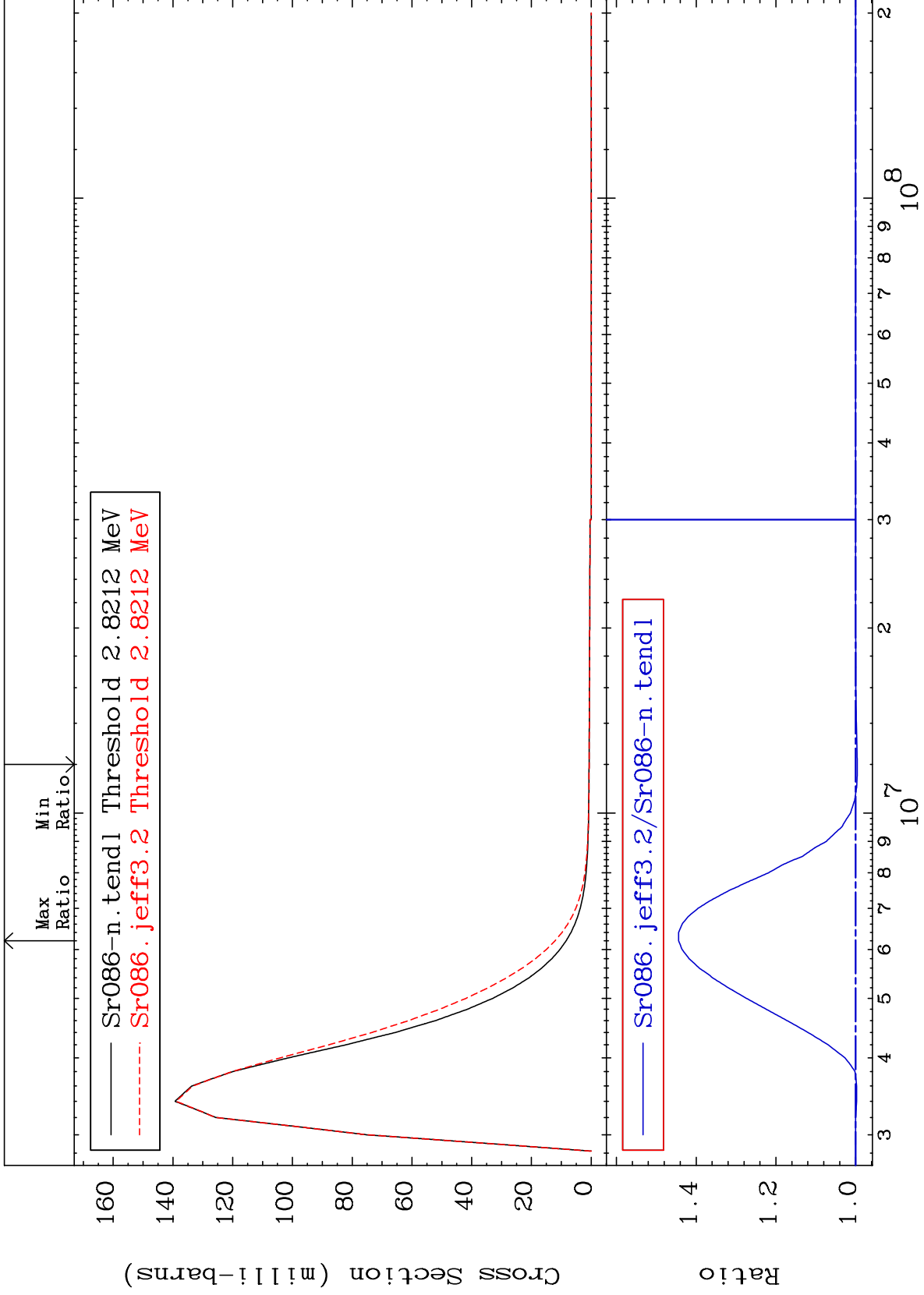
38-Sr-86  
-1.190 To 52.63 %



MAT 3831

2.789 MeV (n,n') Level  
Cross Section

38-Sr-86  
-0.398 To 44.40 %



27

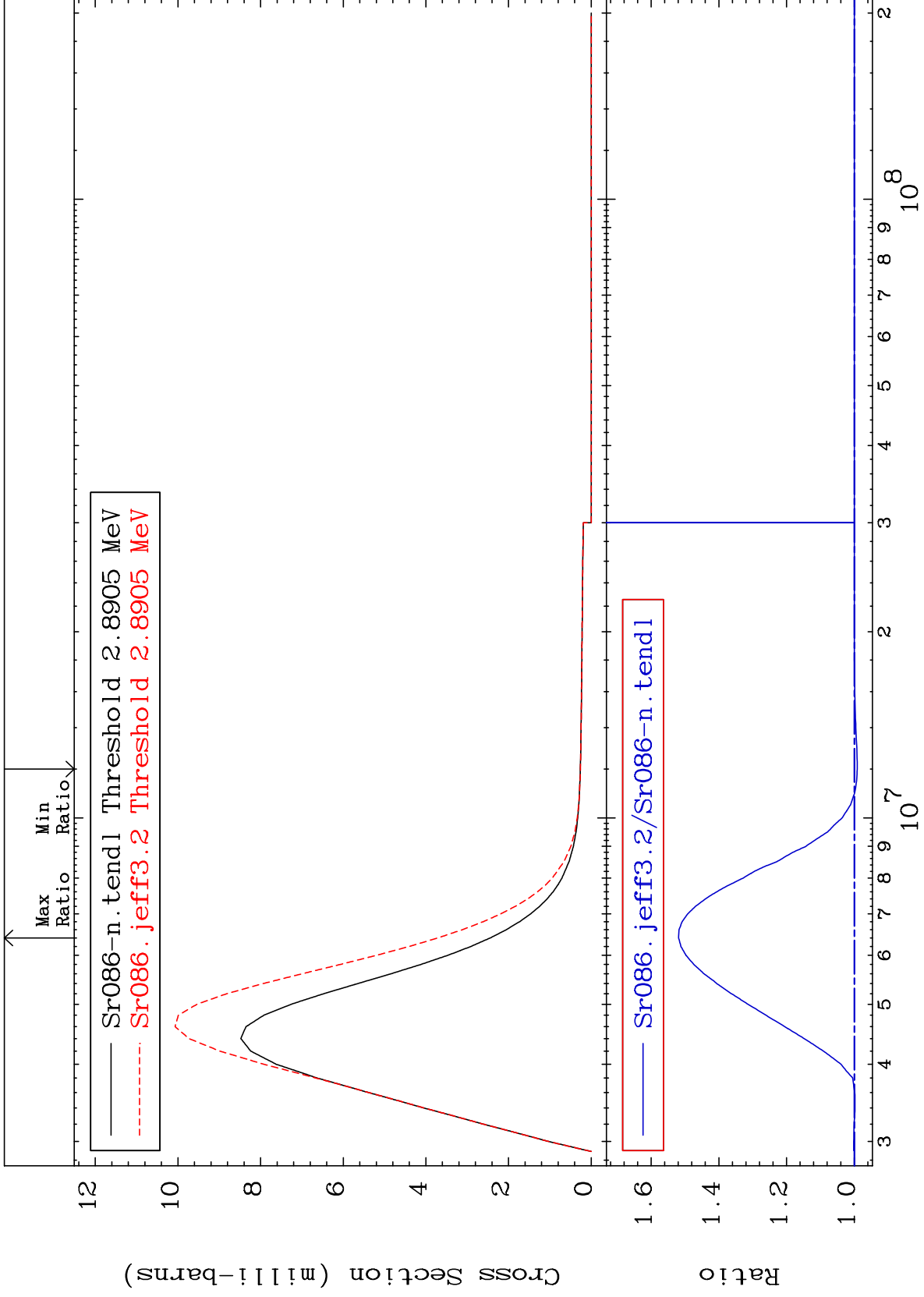
Incident Energy (eV)

38-Sr-86

MAT 3831

2.857 MeV (n,n') Level  
Cross Section

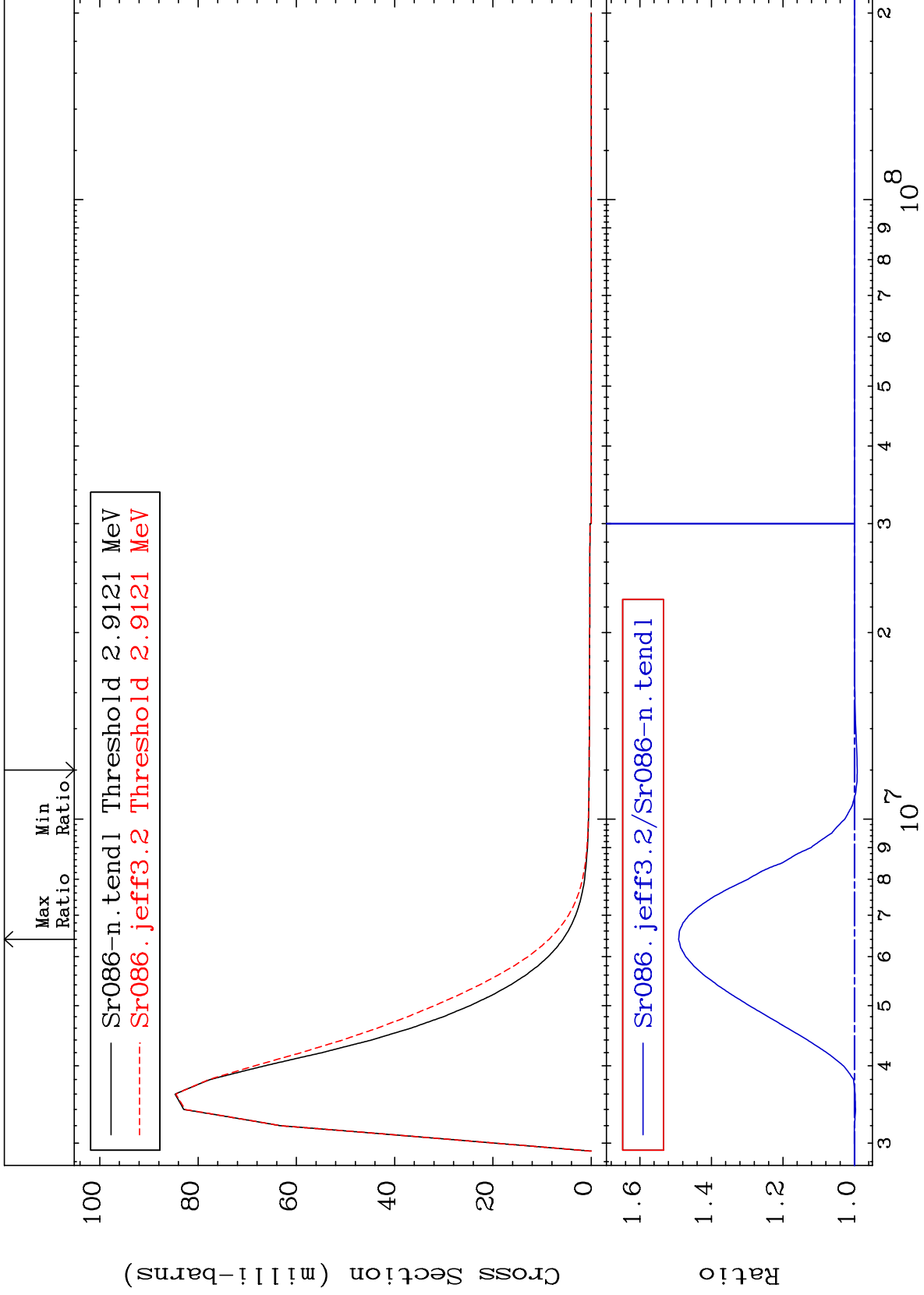
38-Sr-86  
-0.878 To 51.88 %



MAT 3831

2.878 MeV (n,n') Level  
Cross Section

38-Sr-86  
-0.780 To 49.15 %



29

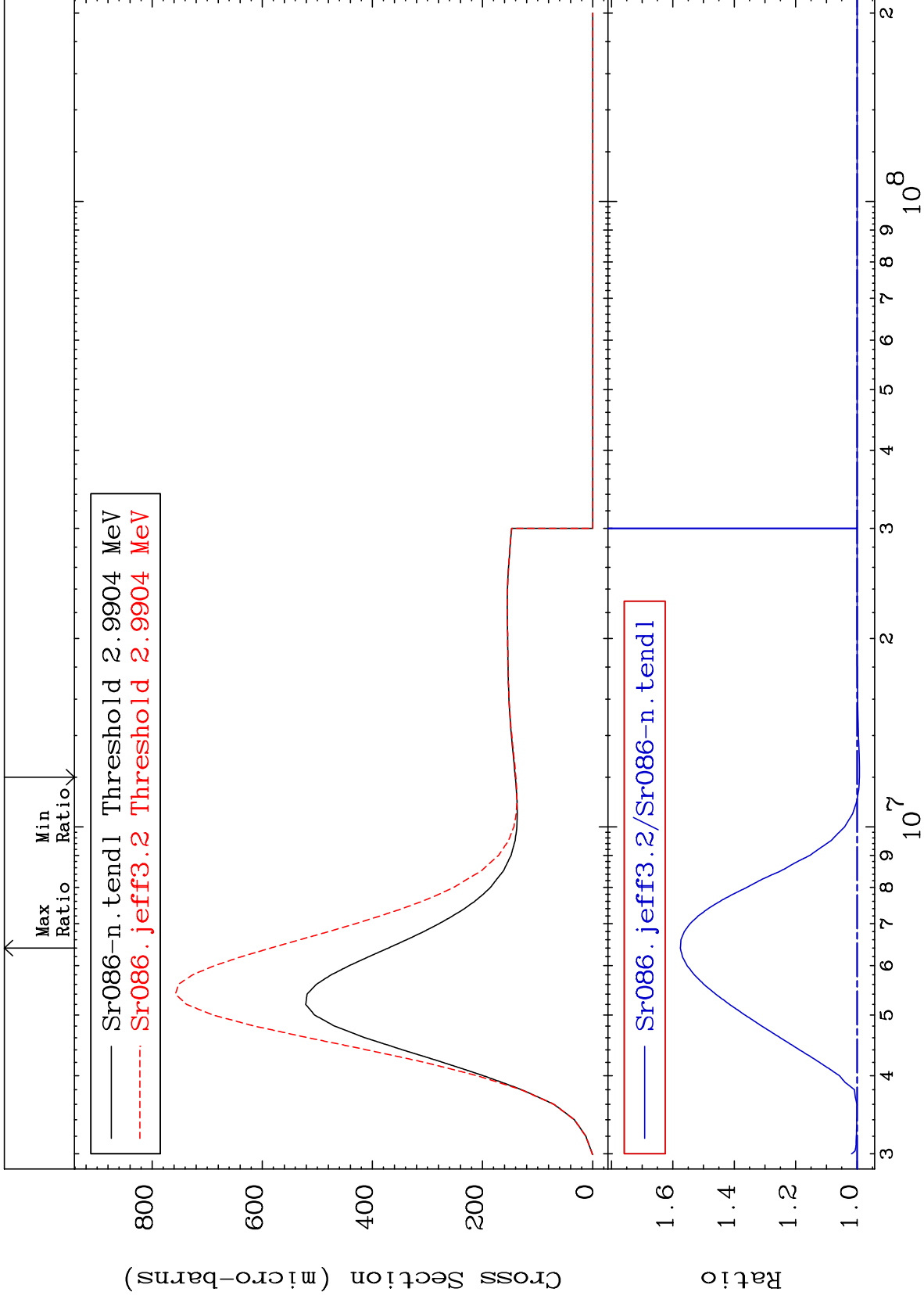
Incident Energy (eV)

38-Sr-86

MAT 3831

2.956 MeV (n,n') Level  
Cross Section

38-Sr-86  
-0.756 To 57.55 %



30

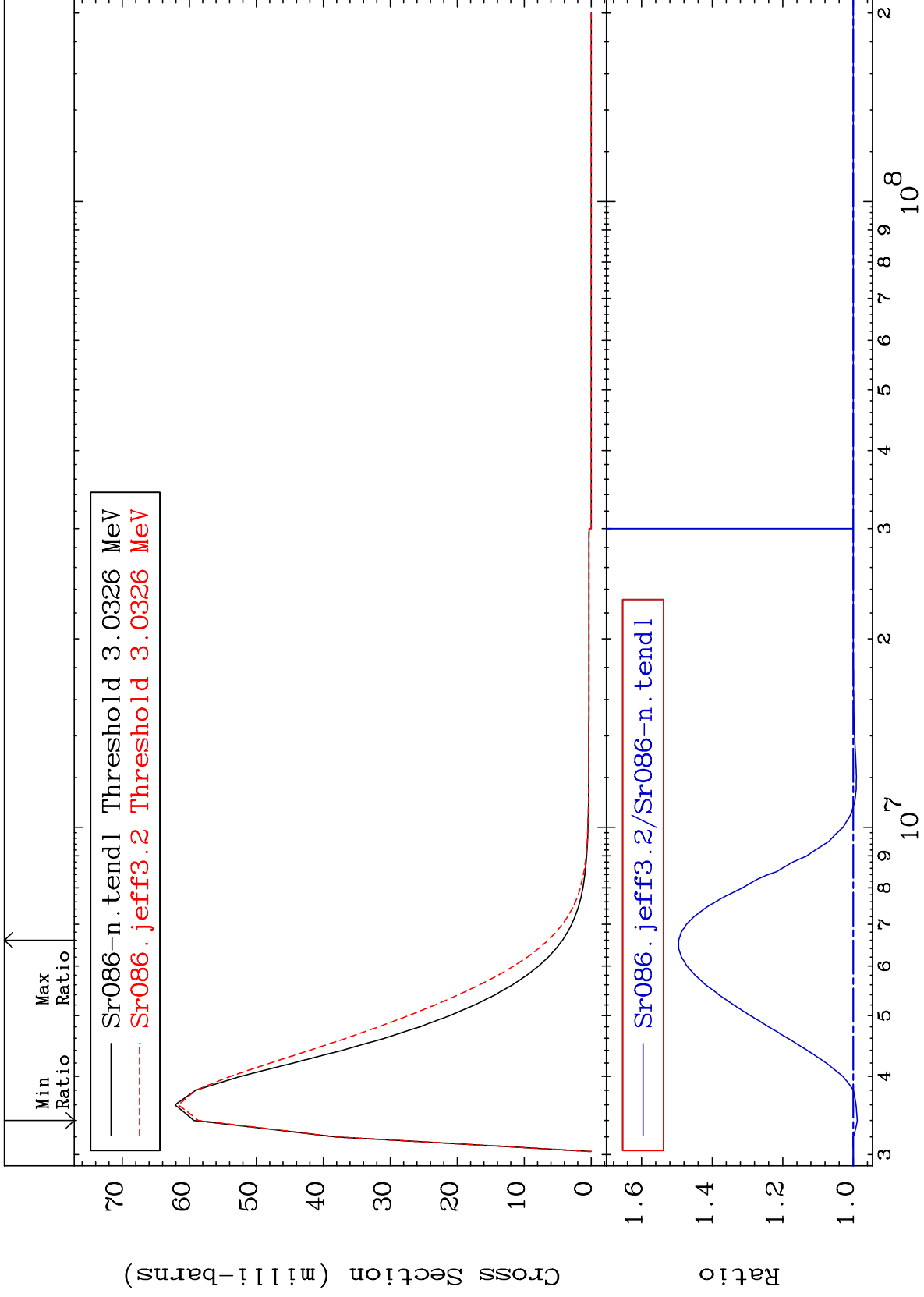
Incident Energy (eV)

38-Sr-86

MAT 3831

2.997 MeV (n,n') Level  
Cross Section

38-Sr-86  
-1.120 To 49.51 %



31

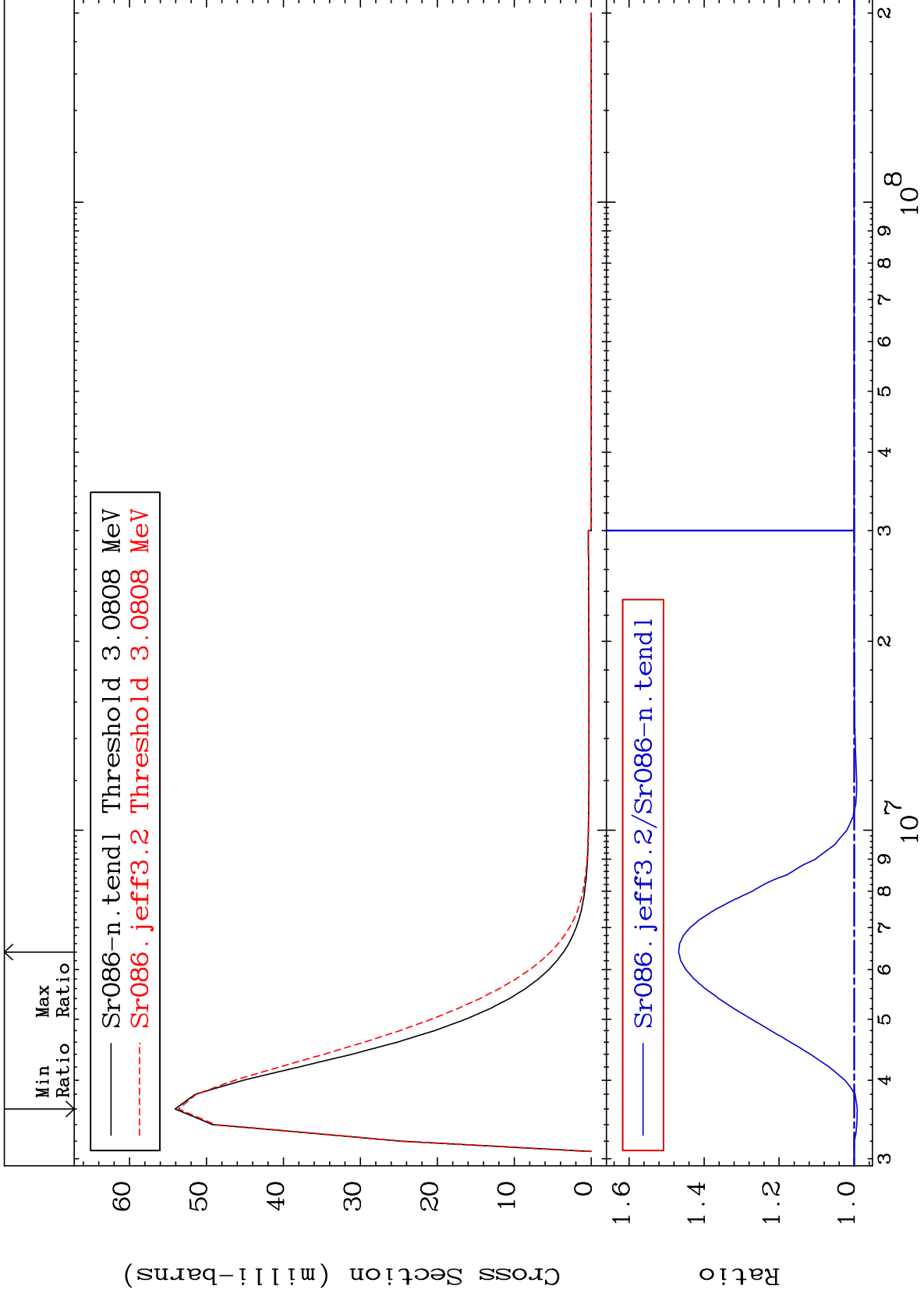
38-Sr-86

38-Sr-86

MAT 3831

3.045 MeV (n,n') Level  
Cross Section

38-Sr-86  
-0.812 To 46.78 %



32

Incident Energy (eV)

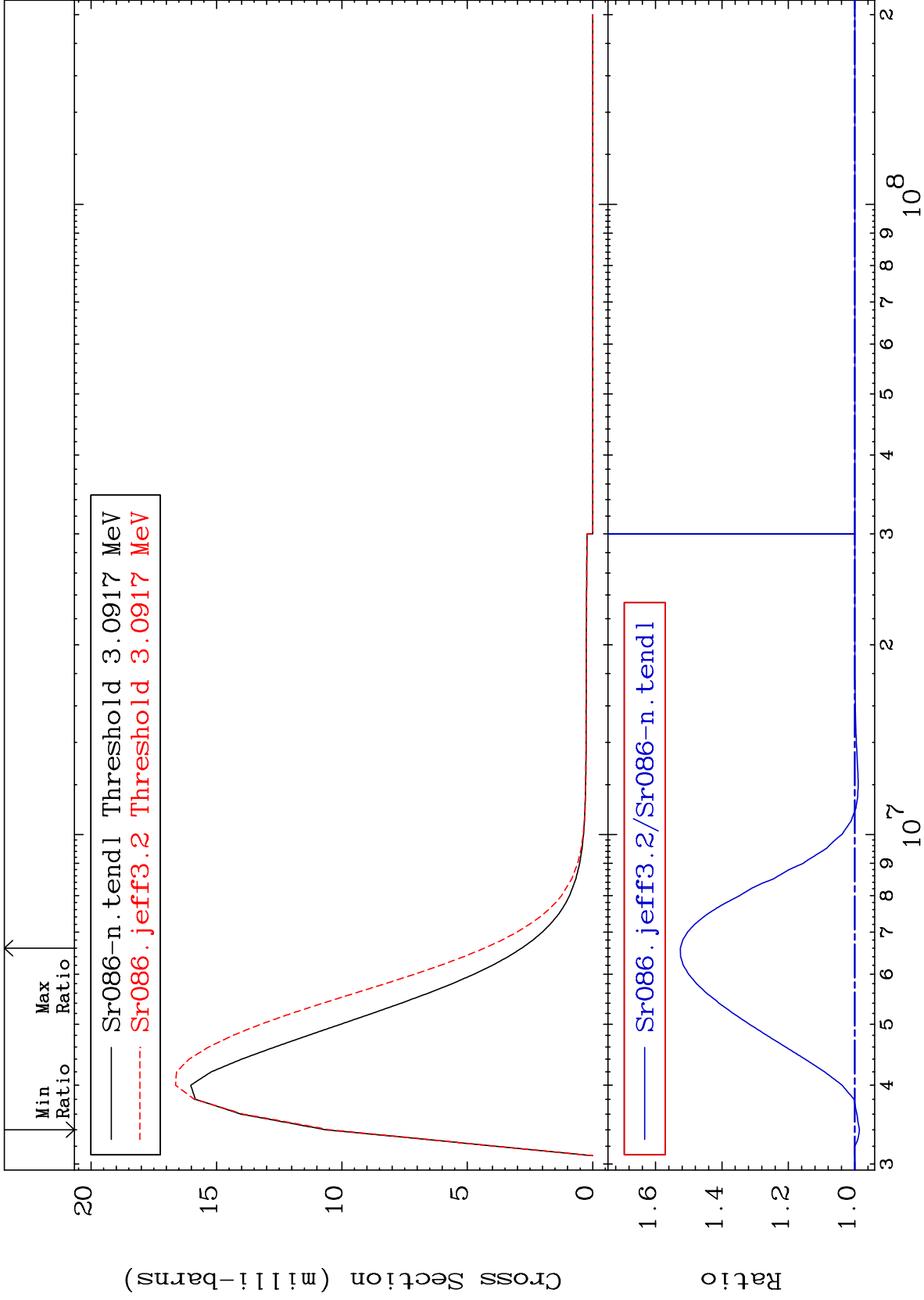
38-Sr-86



MAT 3831

3.056 MeV (n,n') Level  
Cross Section

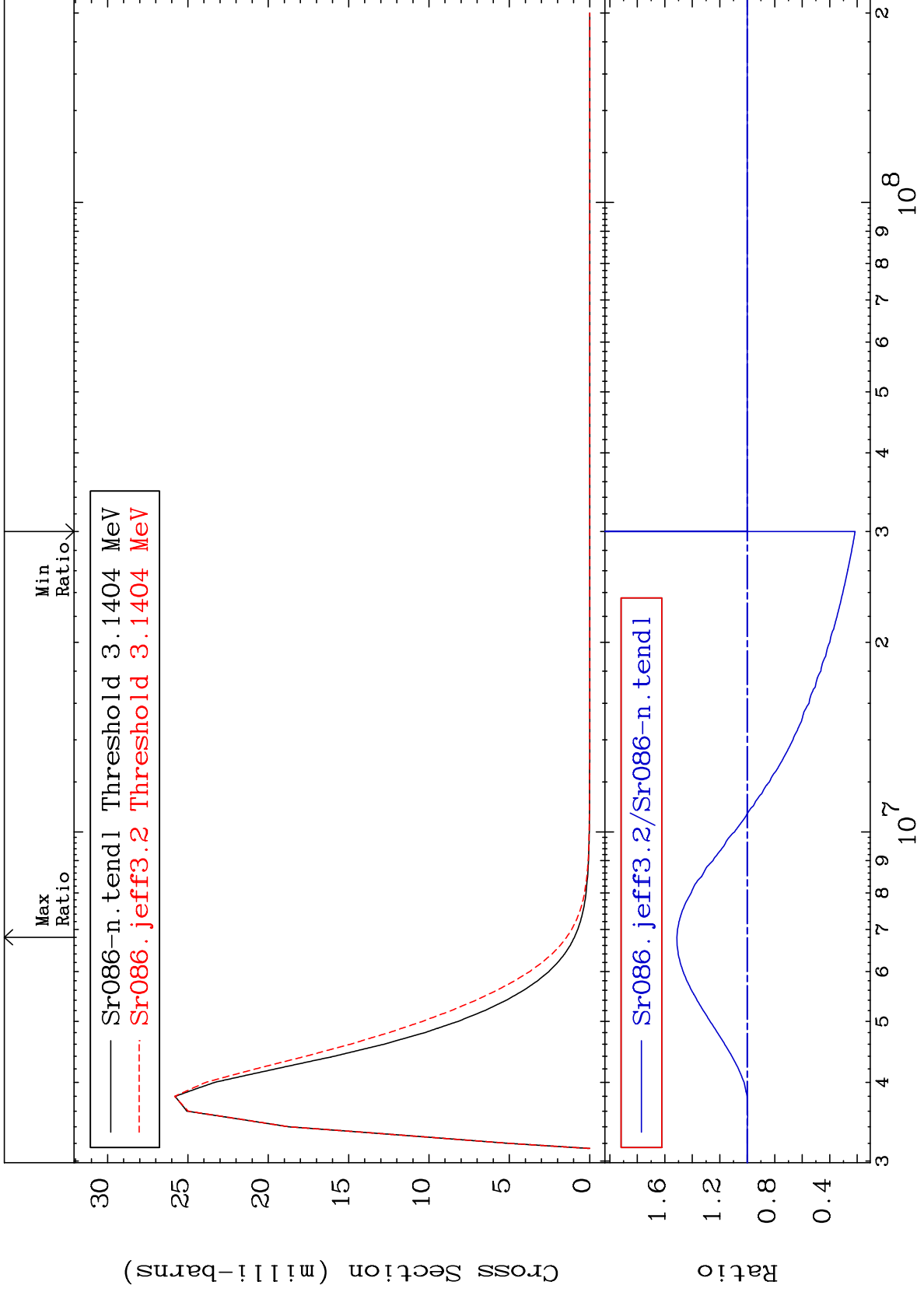
38-Sr-86  
-1.406 To 52.53 %



MAT 3831

3.104 MeV (n,n') Level  
Cross Section

38-Sr-86  
-78.49 To 51.18 %



34

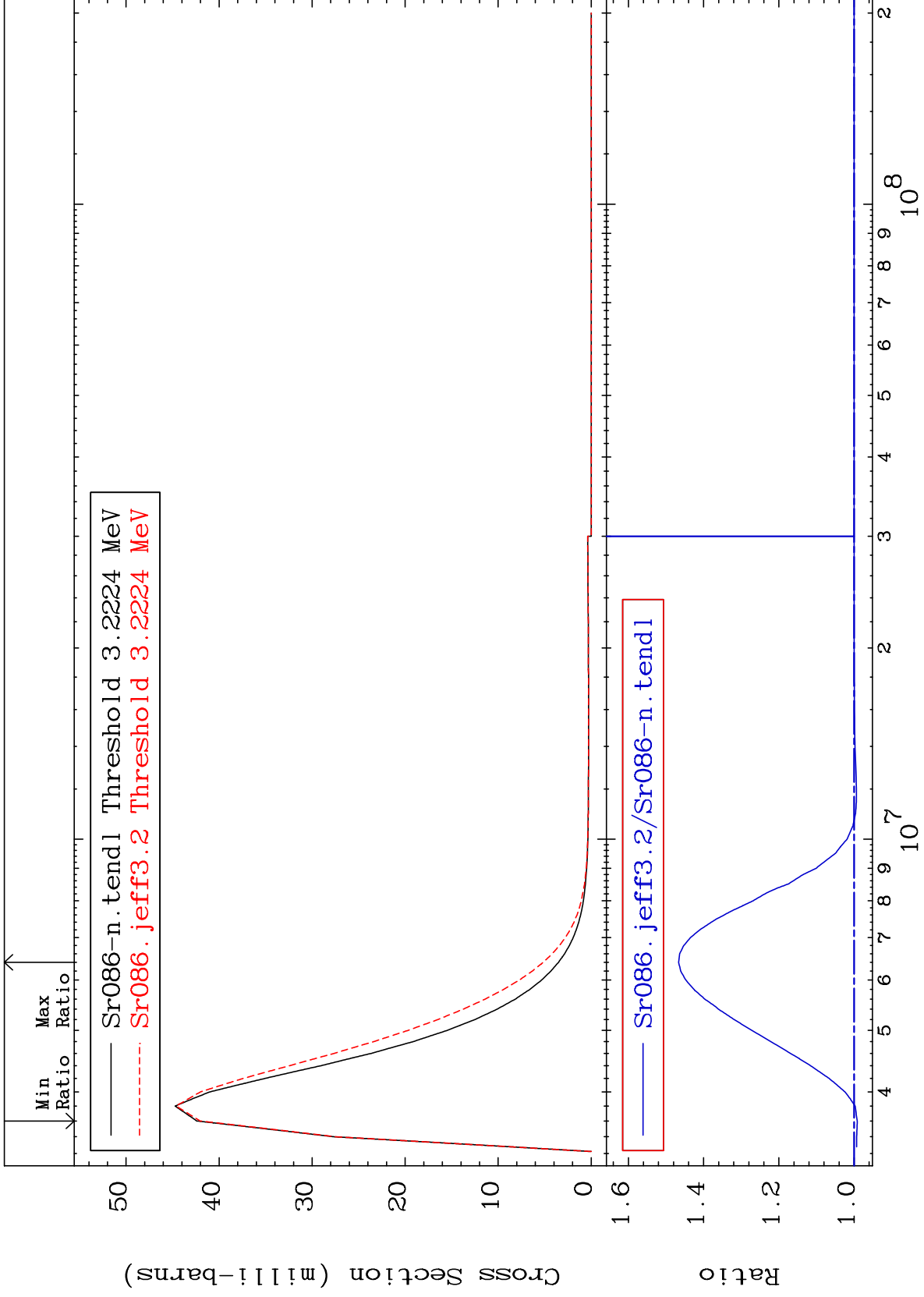
Incident Energy (eV)

38-Sr-86

MAT 3831

3.185 MeV (n,n') Level  
Cross Section

38-Sr-86  
-0.824 To 46.64 %



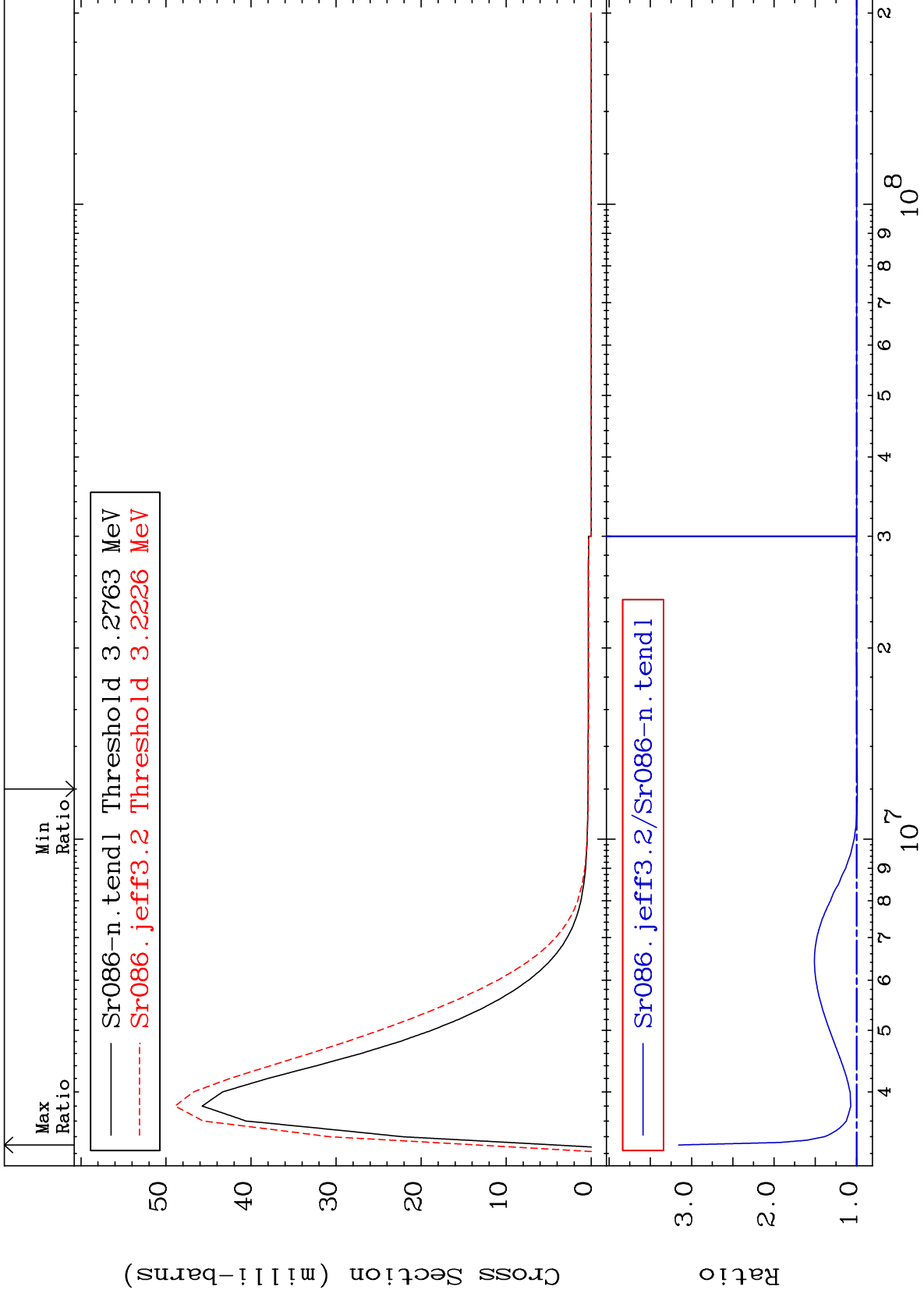
35

38-Sr-86

MAT 3831

3.238 MeV (n,n') Level  
Cross Section

38-Sr-86  
-0.836 To 215.8 %



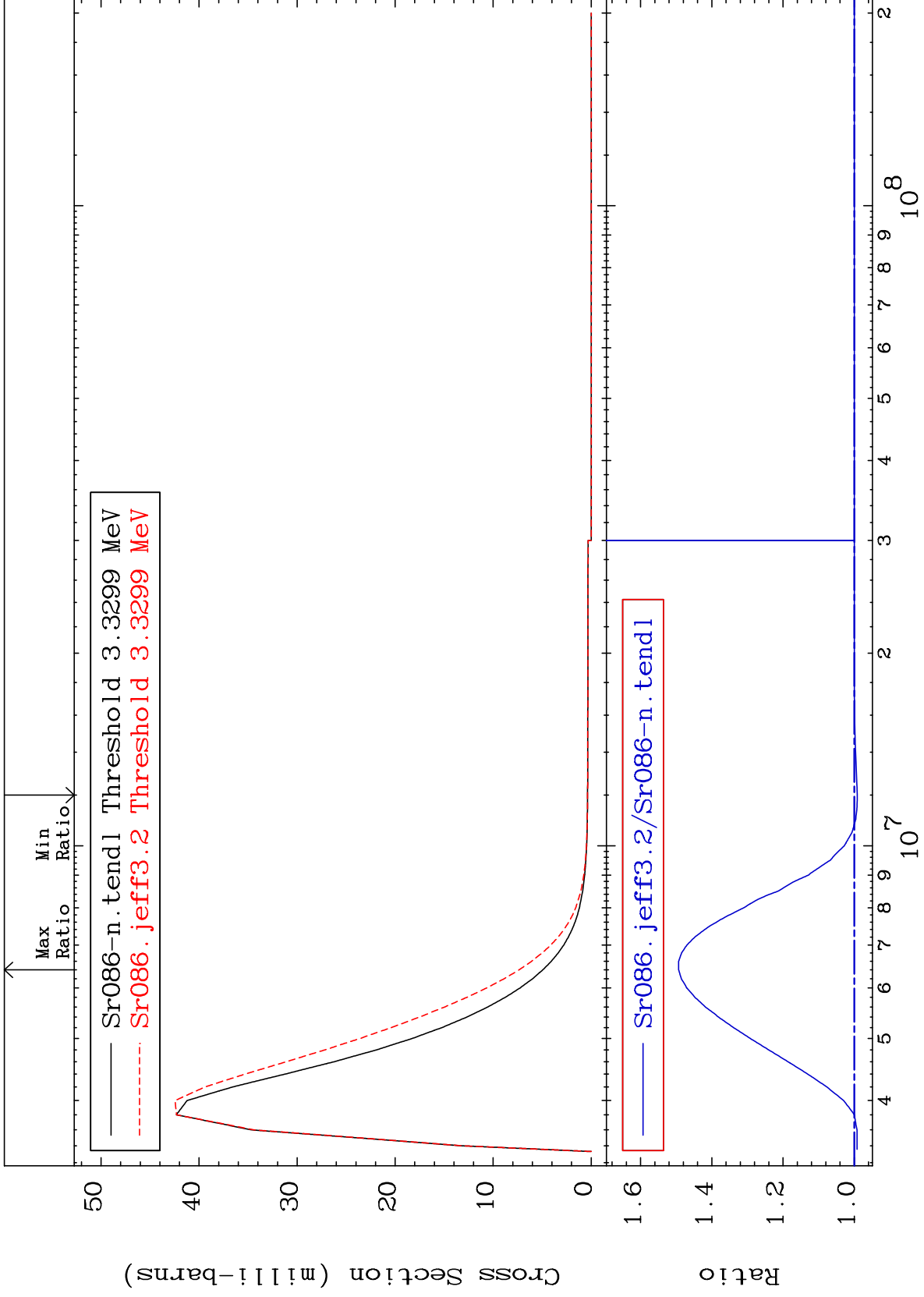
36

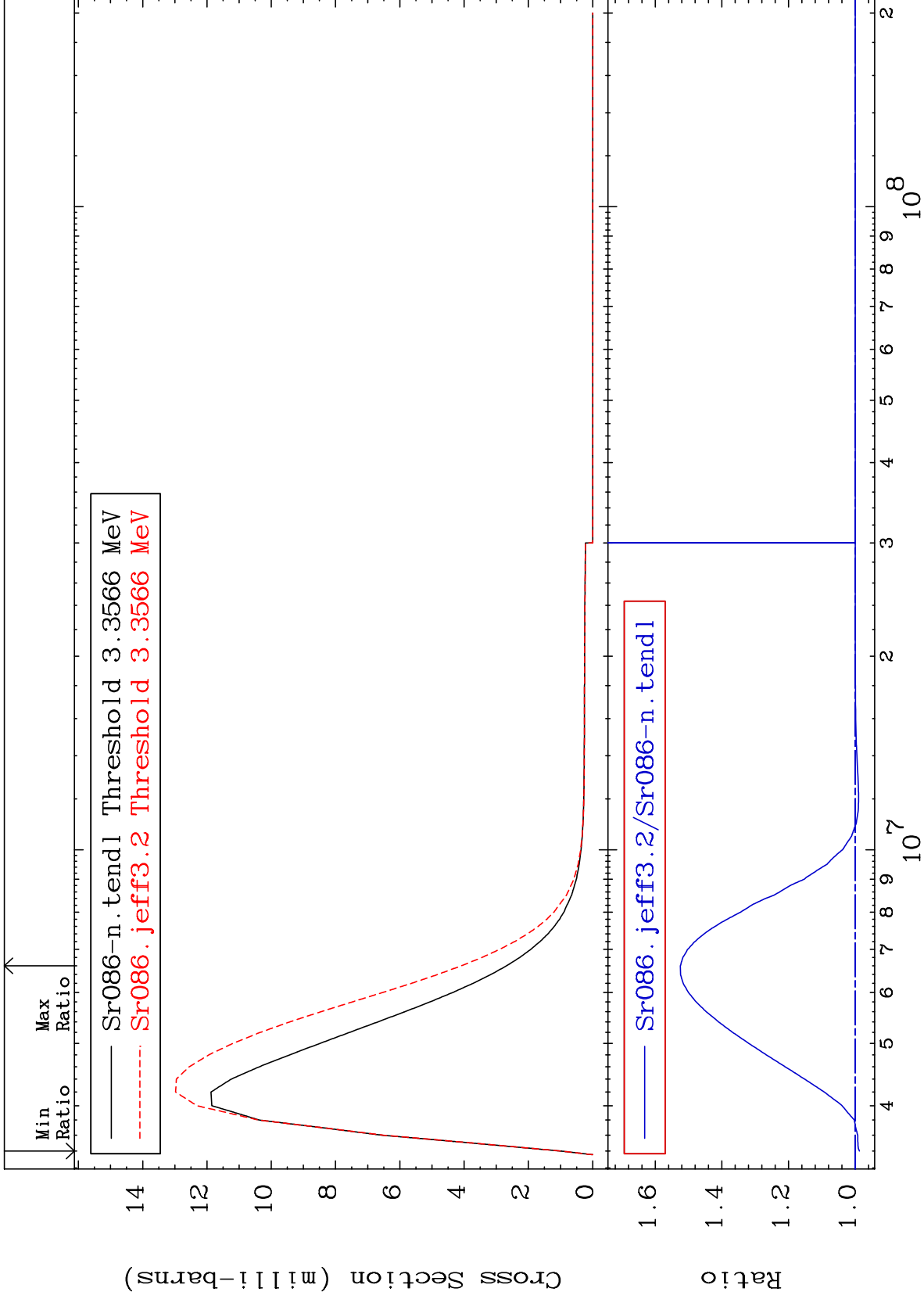
38-Sr-86

MAT 3831

3.291 MeV (n,n') Level  
Cross Section

38-Sr-86  
-0.846 To 49.31 %

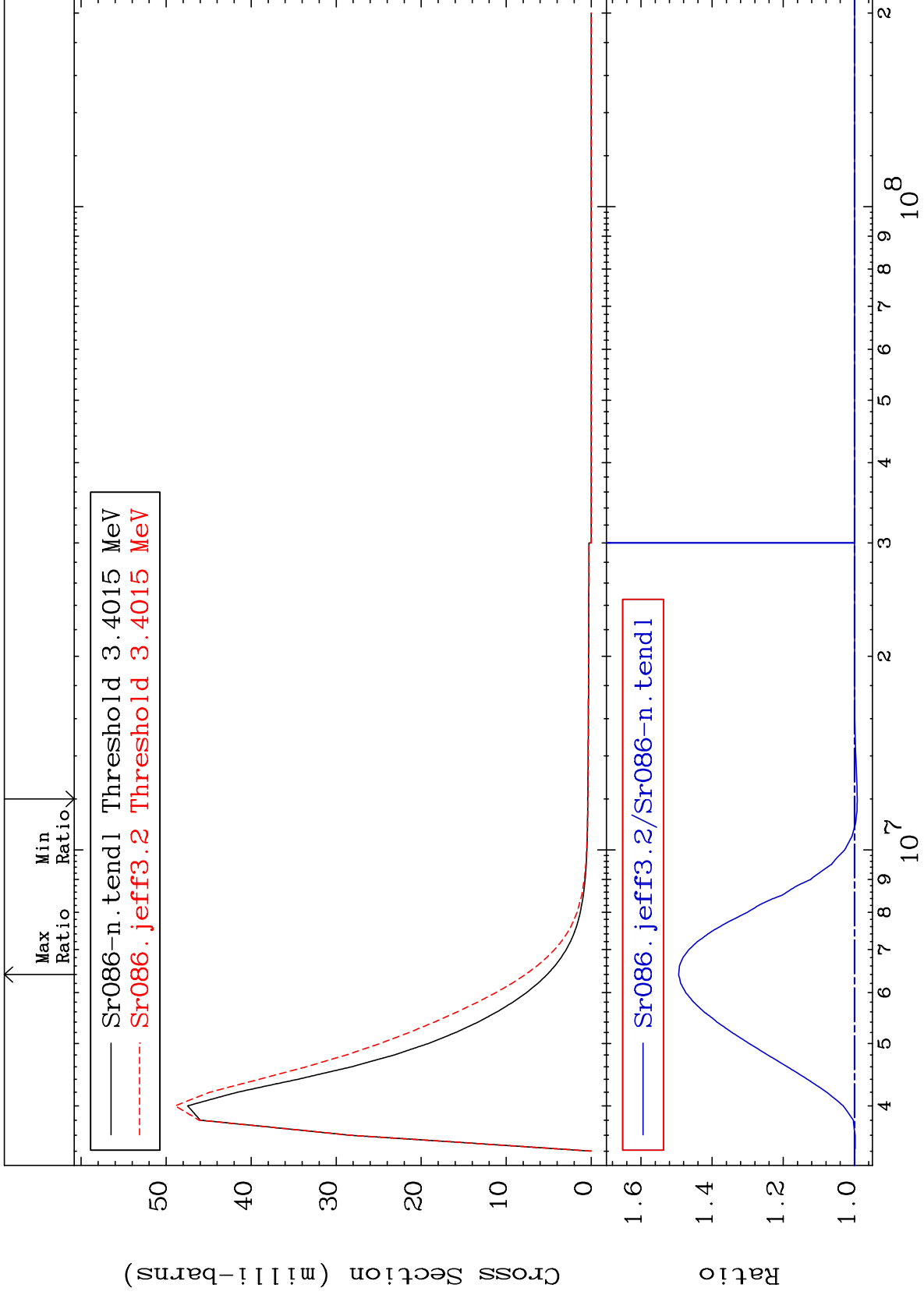




MAT 3831

3.362 MeV (n,n') Level  
Cross Section

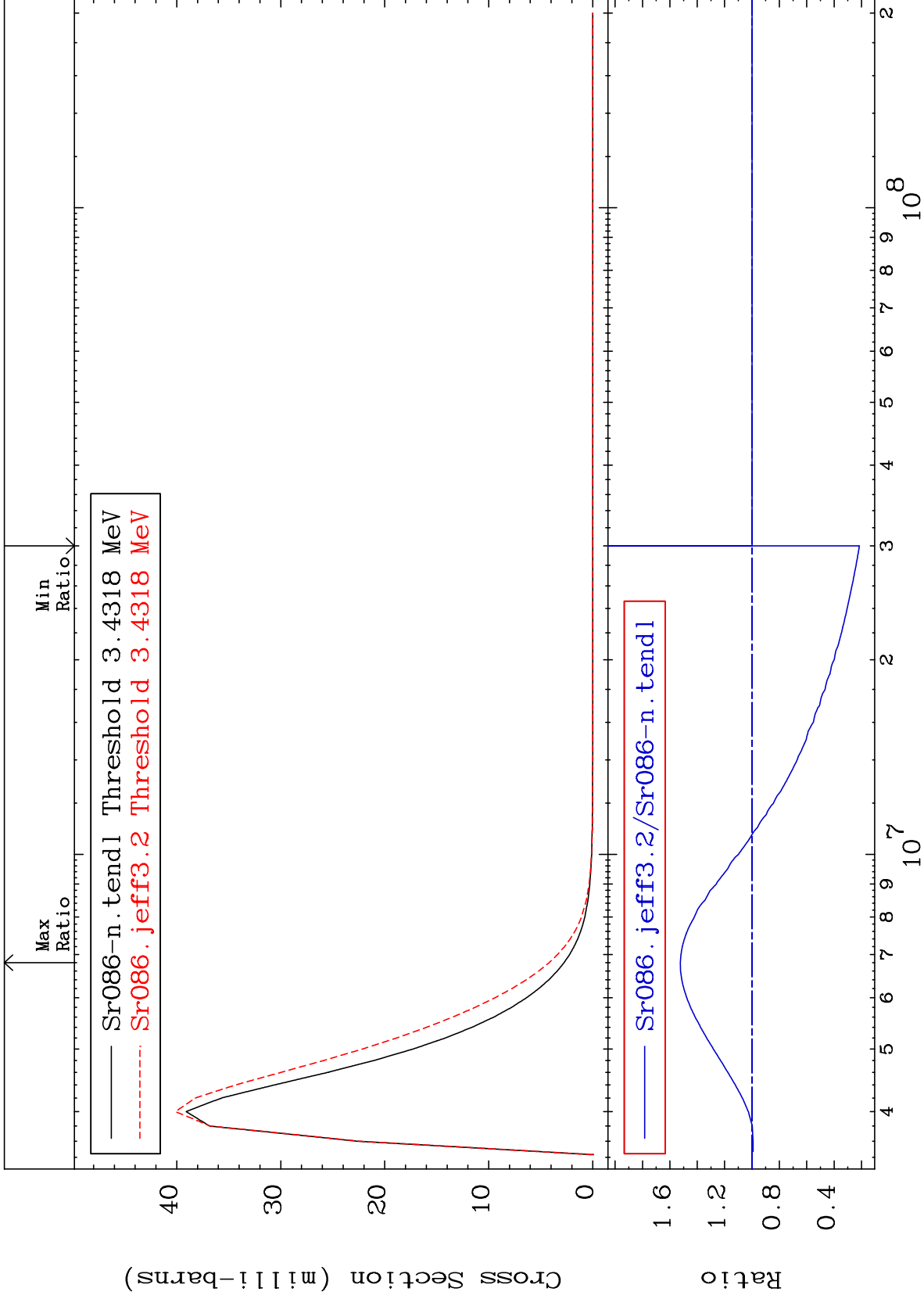
38-Sr-86  
-0.790 To 49.42 %



MAT 3831

3.392 MeV (n,n') Level  
Cross Section

38-Sr-86  
-78.48 To 52.33 %



40

Incident Energy (eV)

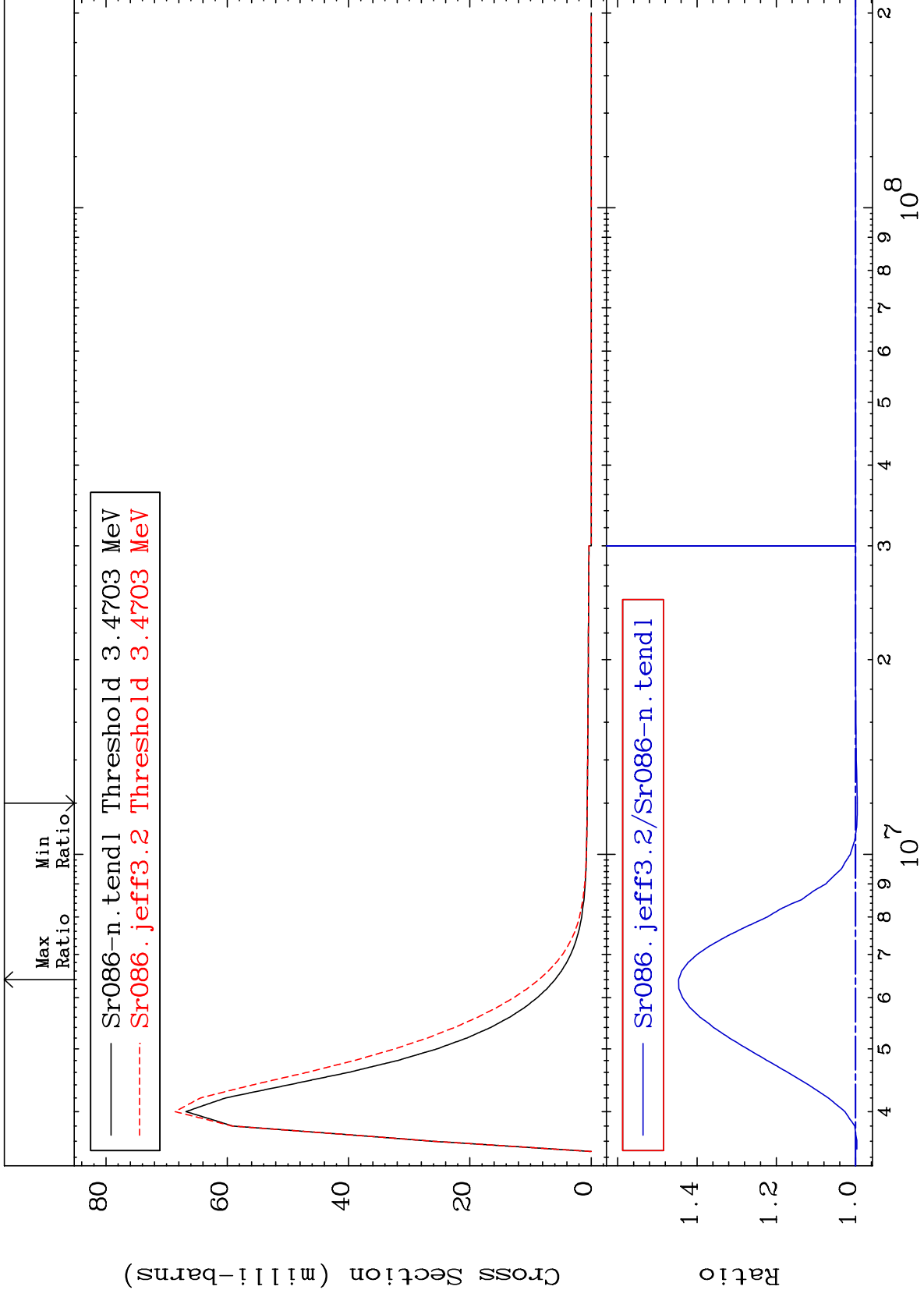
38-Sr-86



MAT 3831

3.430 MeV (n,n') Level  
Cross Section

38-Sr-86  
-0.413 To 44.64 %



41

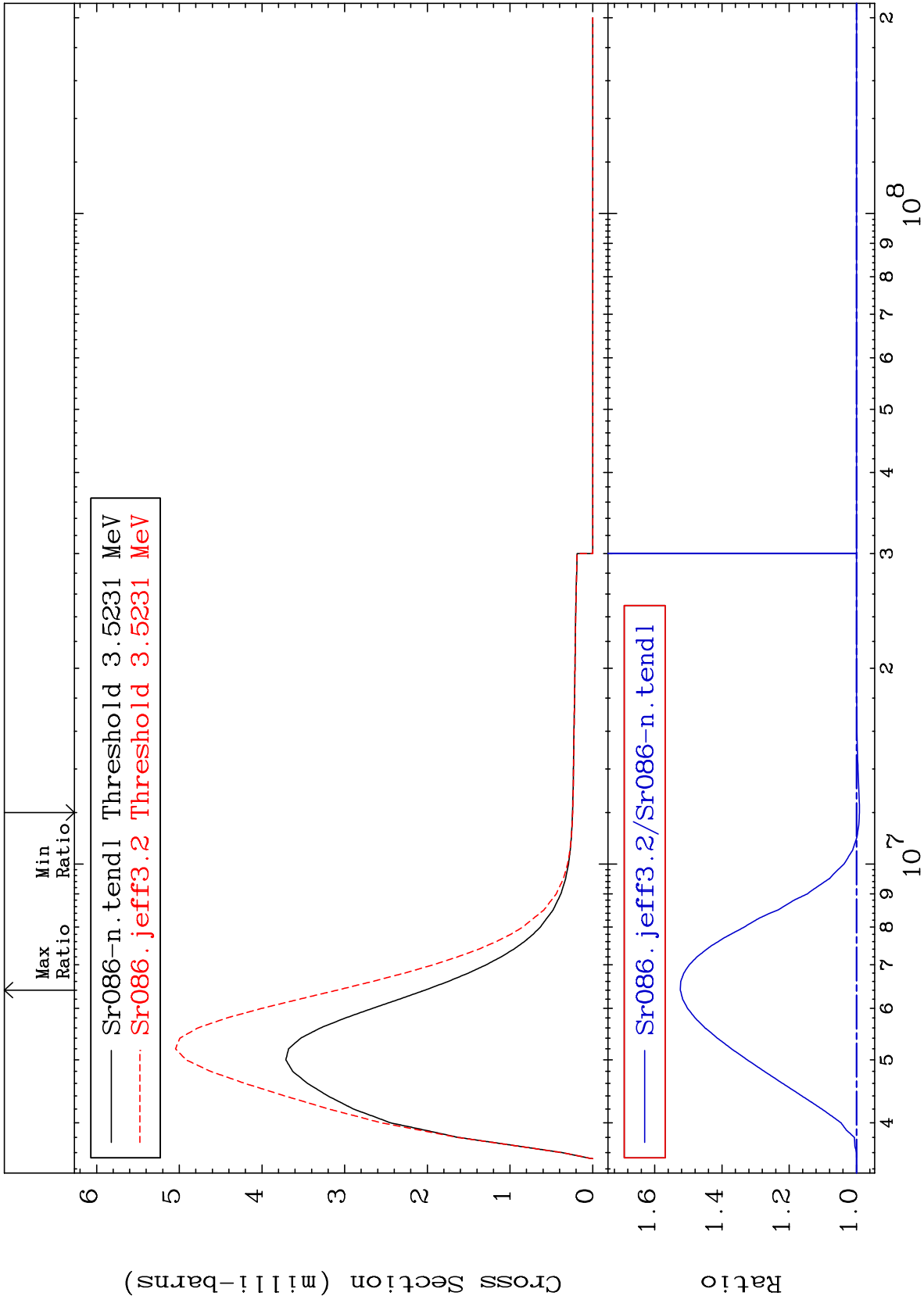
Incident Energy (eV)

38-Sr-86

MAT 3831

3.482 MeV (n,n') Level  
Cross Section

38-Sr-86  
-0.884 To 52.38 %



42

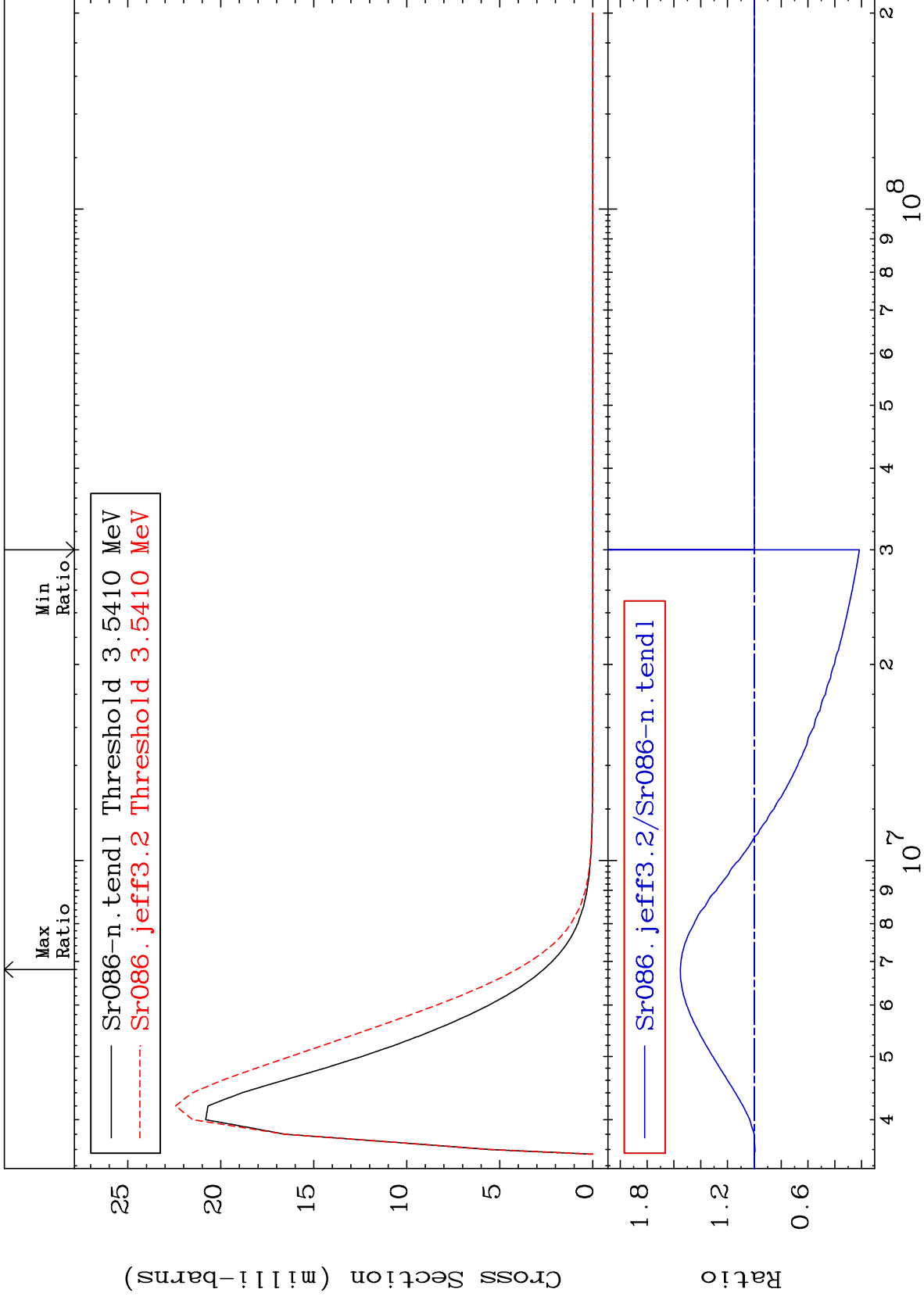
Incident Energy (eV)

38-Sr-86

MAT 3831

3.500 MeV (n,n') Level  
Cross Section

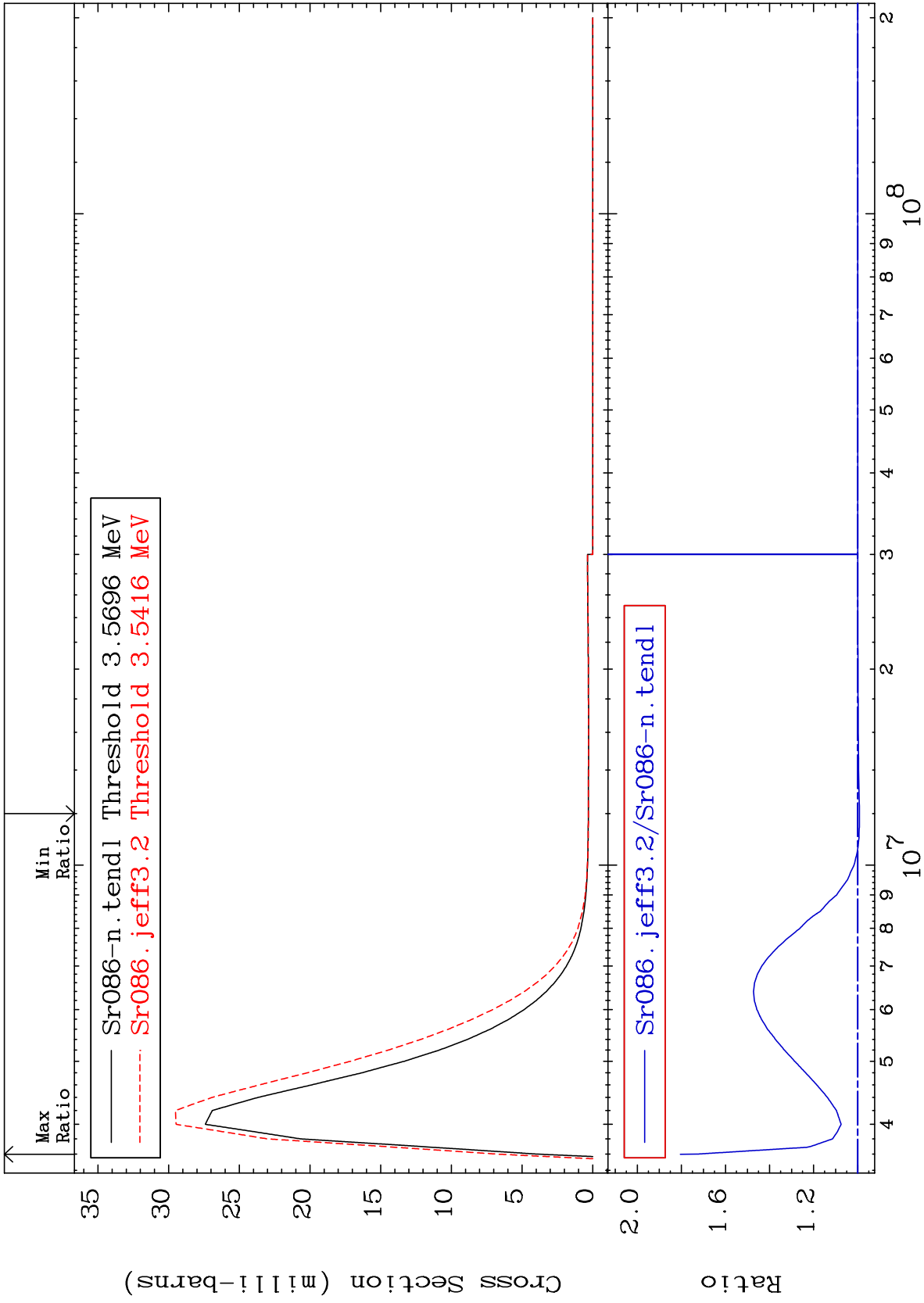
38-Sr-86  
-78.40 To 55.18 %



MAT 3831

3.528 MeV (n,n') Level  
Cross Section

38-Sr-86  
-0.785 To 80.47 %



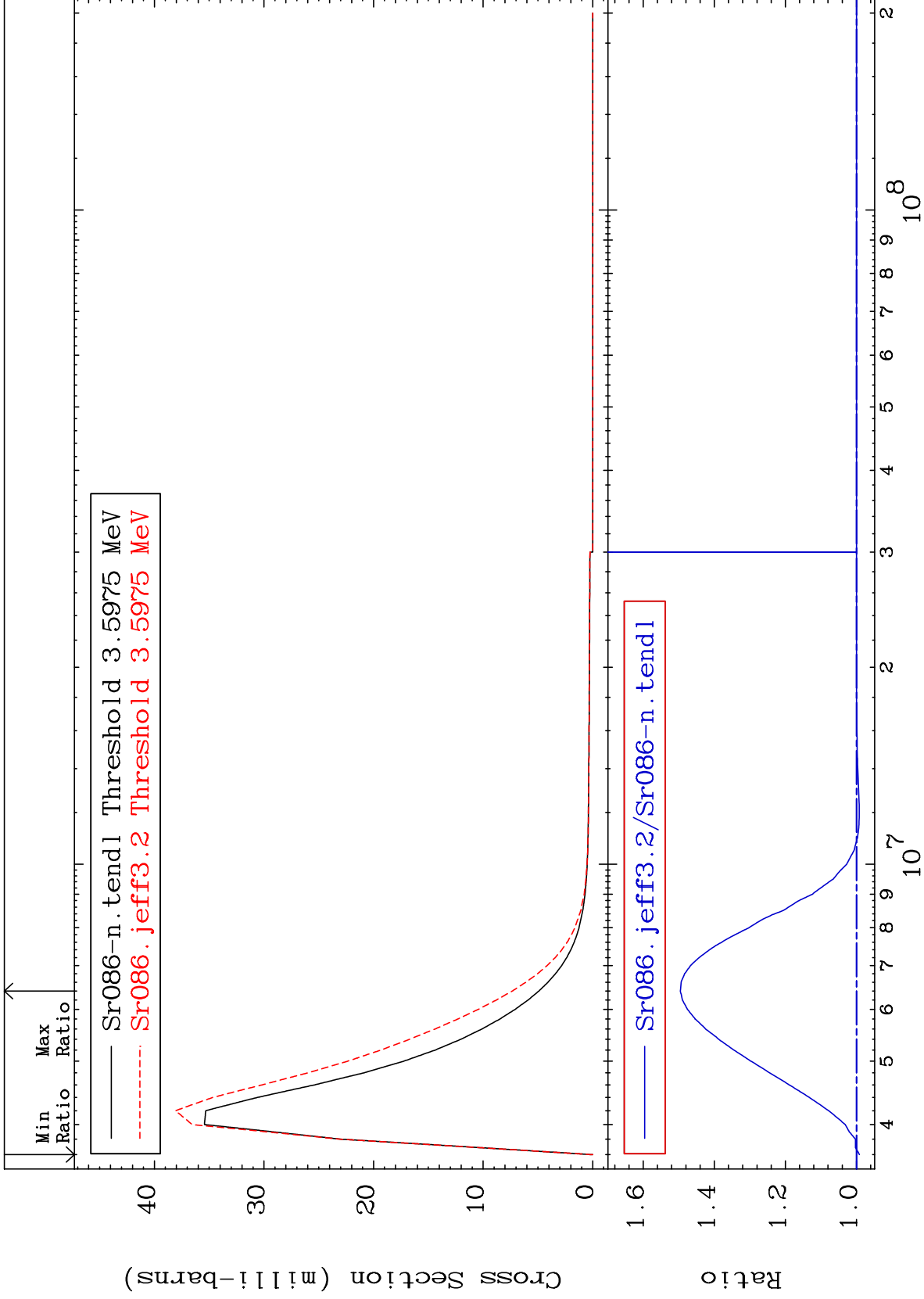
44

38-Sr-86

MAT 3831

3.556 MeV (n,n') Level  
Cross Section

38-Sr-86  
-0.836 To 49.55 %



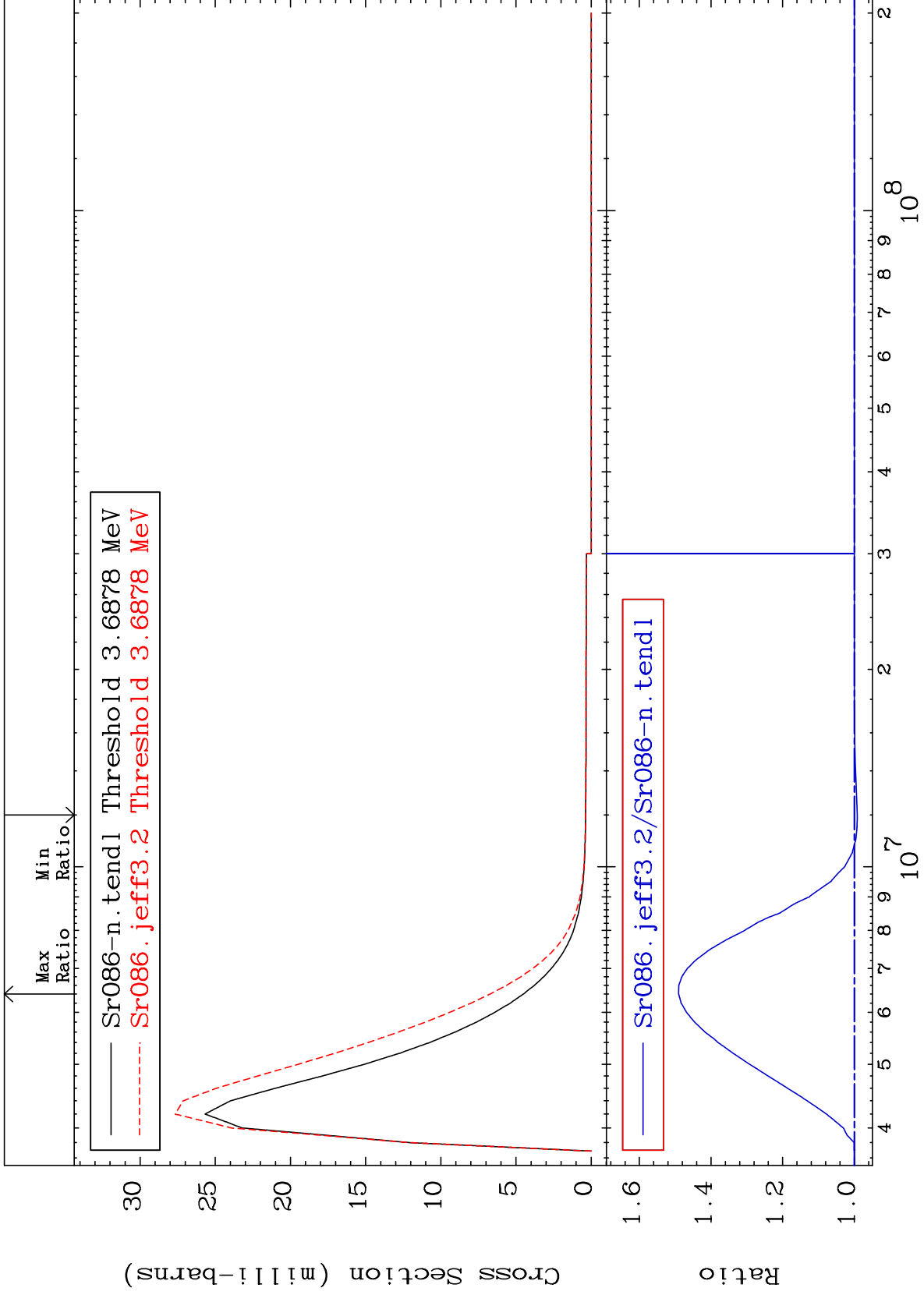
45

38-Sr-86

MAT 3831

3.645 MeV (n,n') Level  
Cross Section

38-Sr-86  
-0.825 To 49.04 %



46

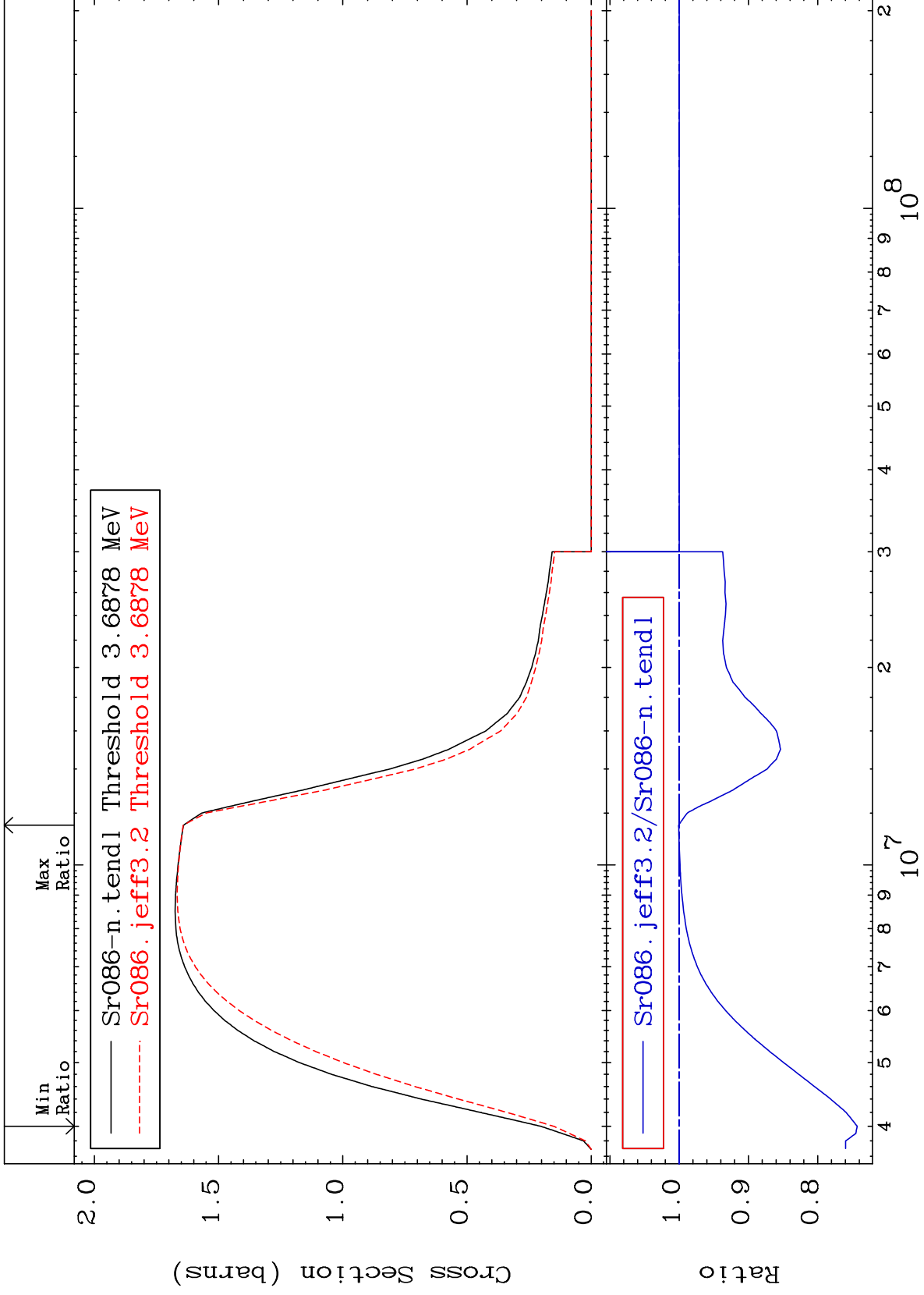
Incident Energy (eV)

38-Sr-86

MAT 3831

(n, n') Continuum  
Cross Section

38-Sr-86  
-25.71 To 0.074 %



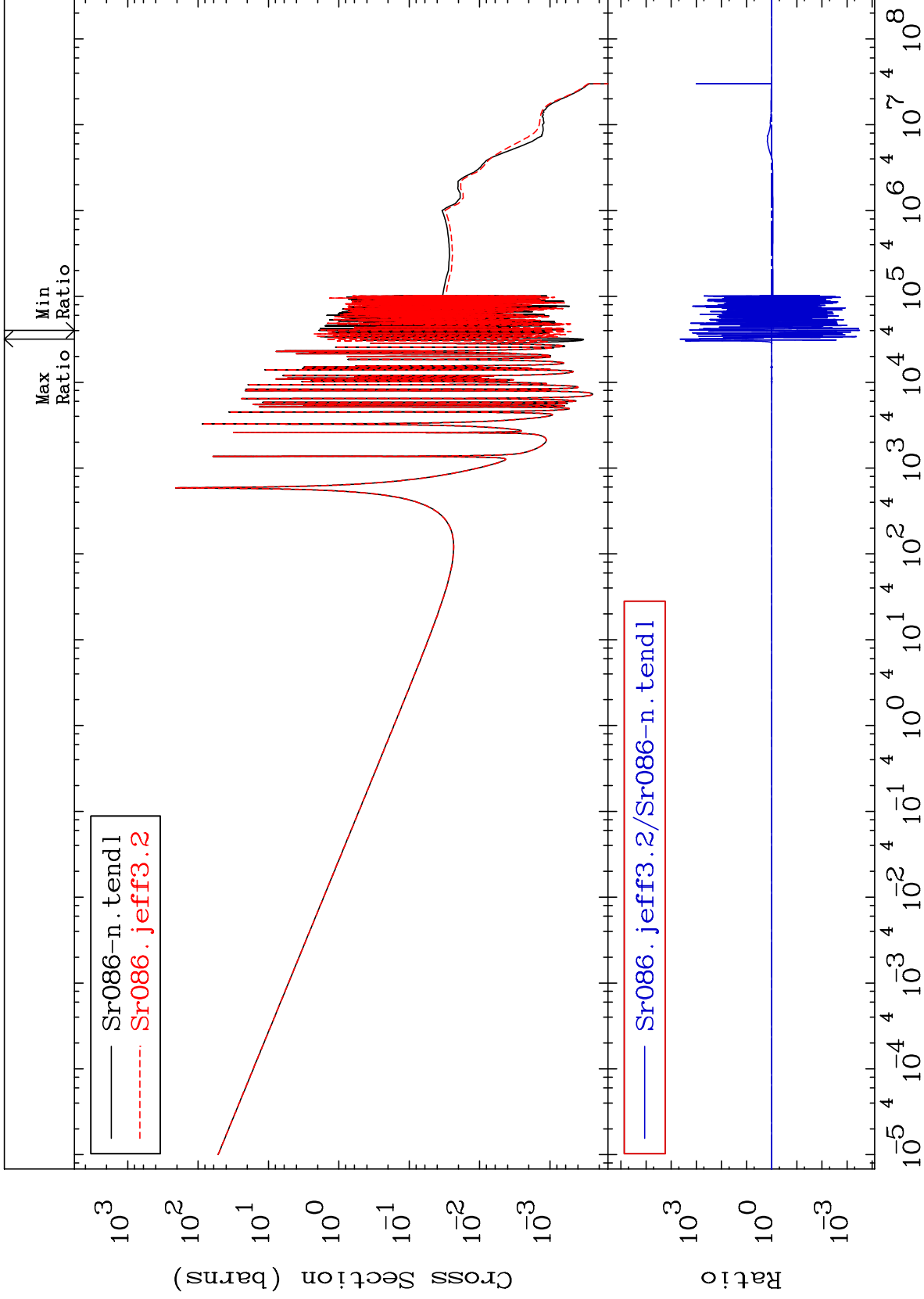
47

Incident Energy (eV)

38-Sr-86

Cross Section

-99.97 To 9999. %





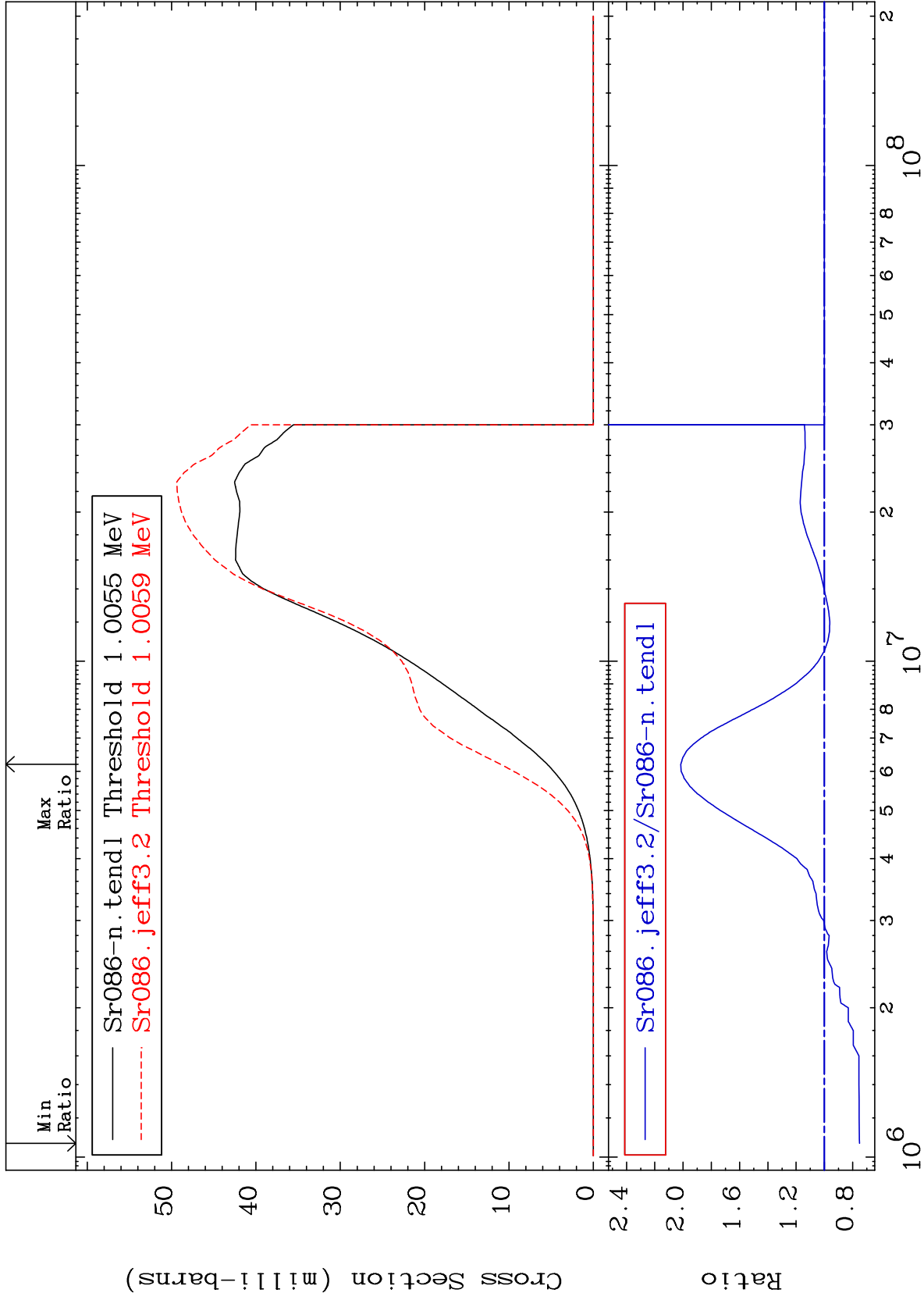
MAT 3831

(n,p)

38-Sr-86

Cross Section

-24.86 To 101.6 %



49

Incident Energy (eV)

38-Sr-86

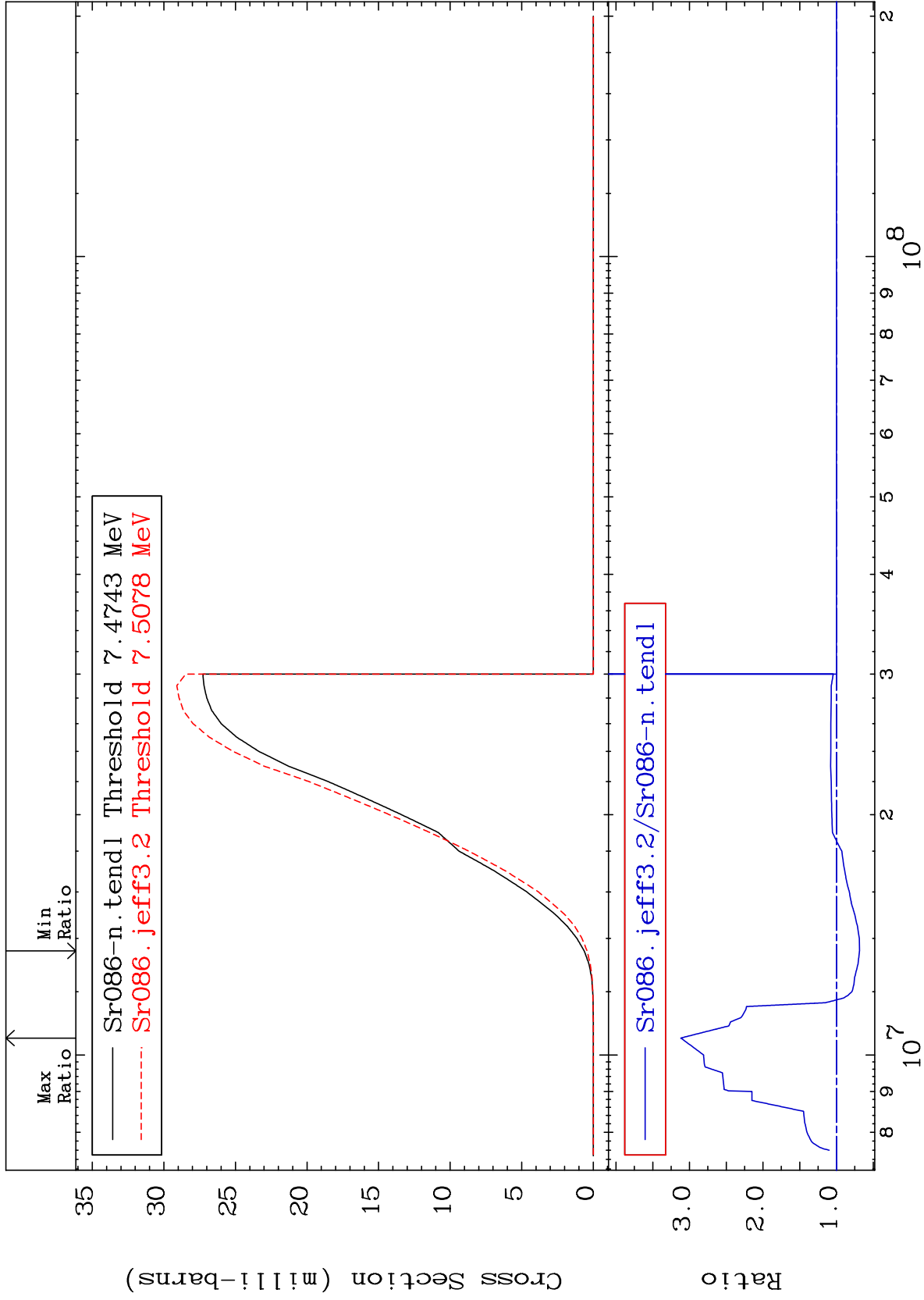
MAT 3831

(n, d)

38-Sr-86

Cross Section

-31.43 To 211.9 %



50

Incident Energy (eV)

38-Sr-86

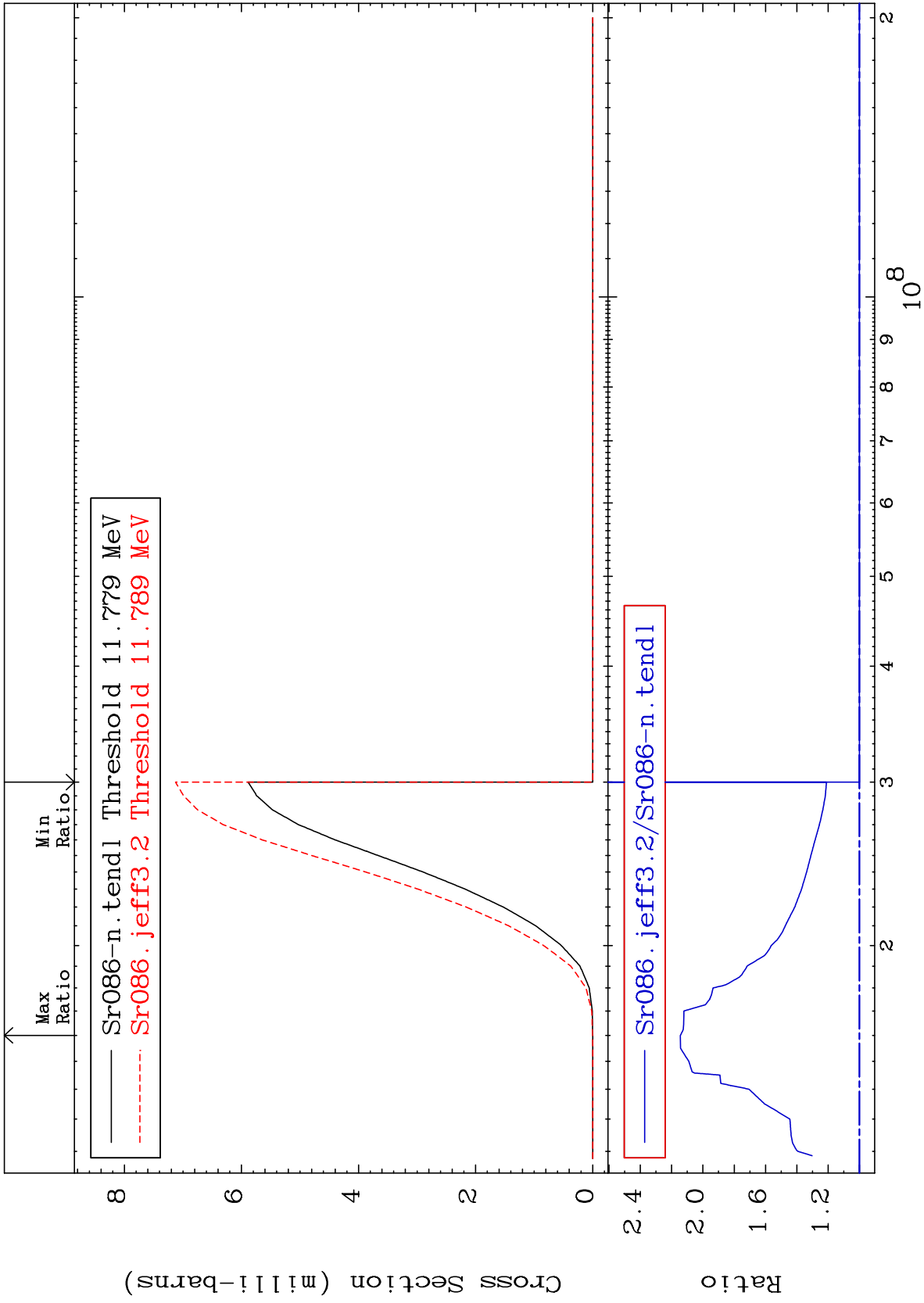
MAT 3831

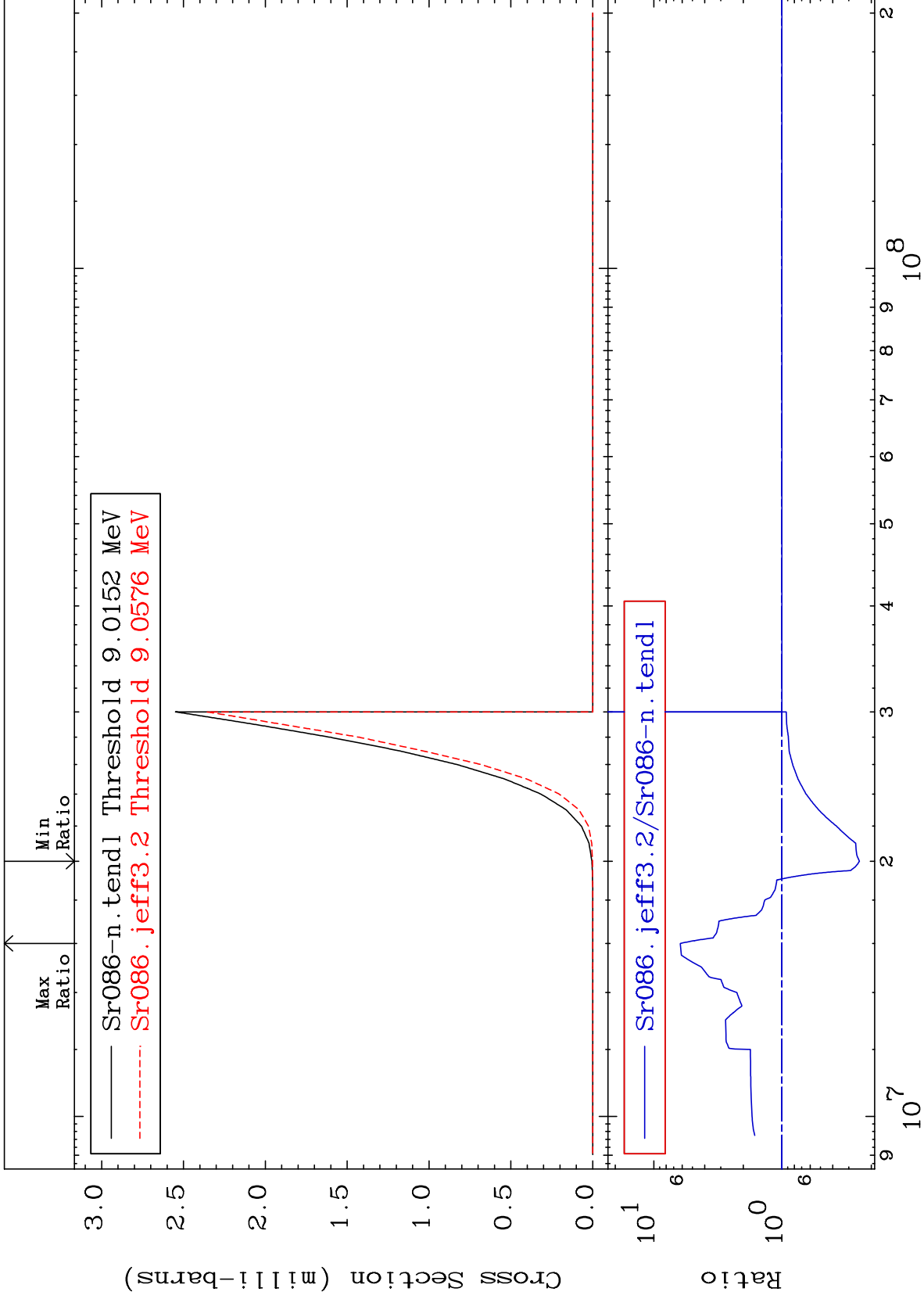
(n, t)

<sup>38</sup>Sr-<sup>86</sup>

Cross Section

0.000 To 114.4 %





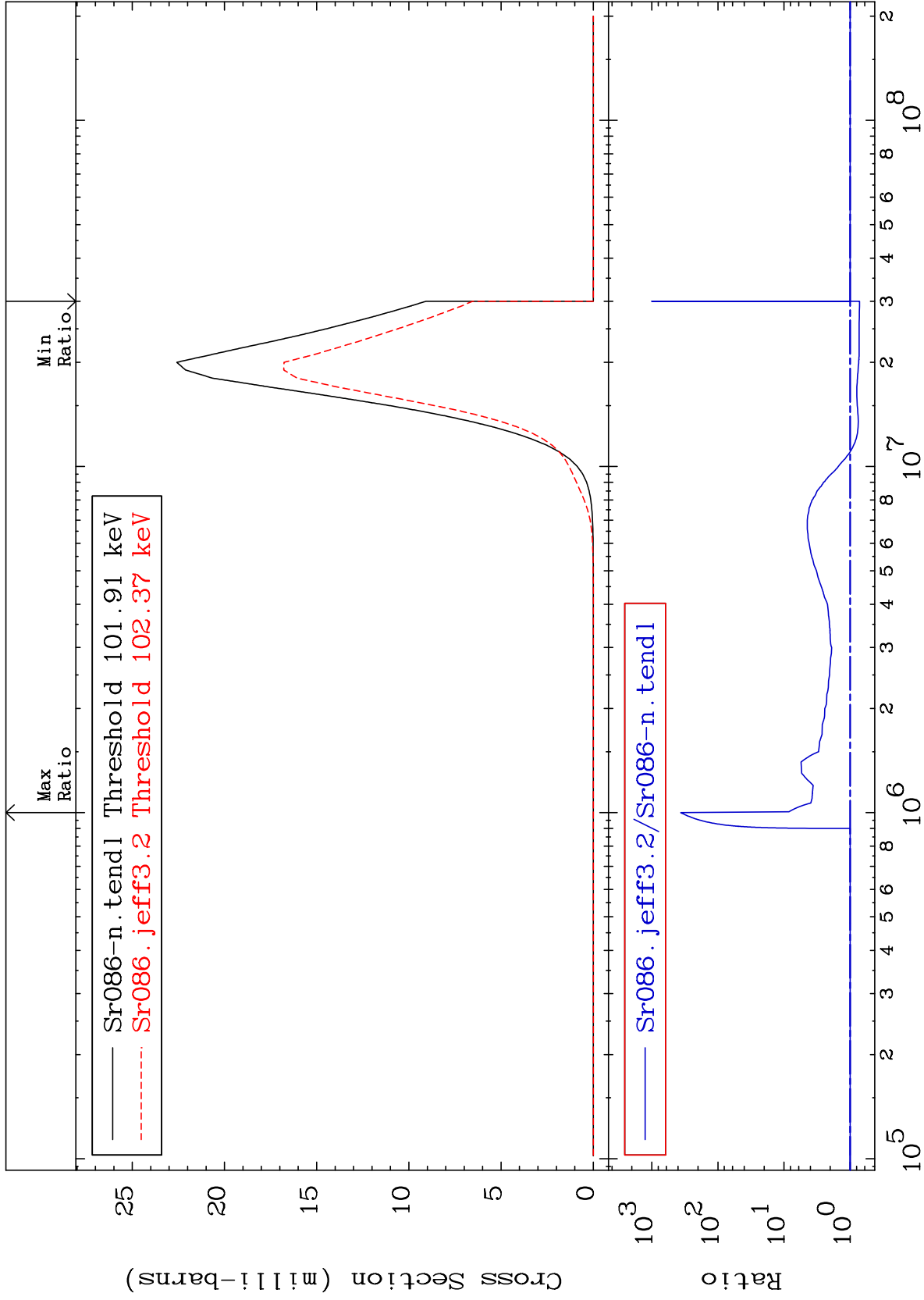
MAT 3831

(n,  $\alpha$ )

38-Sr-86

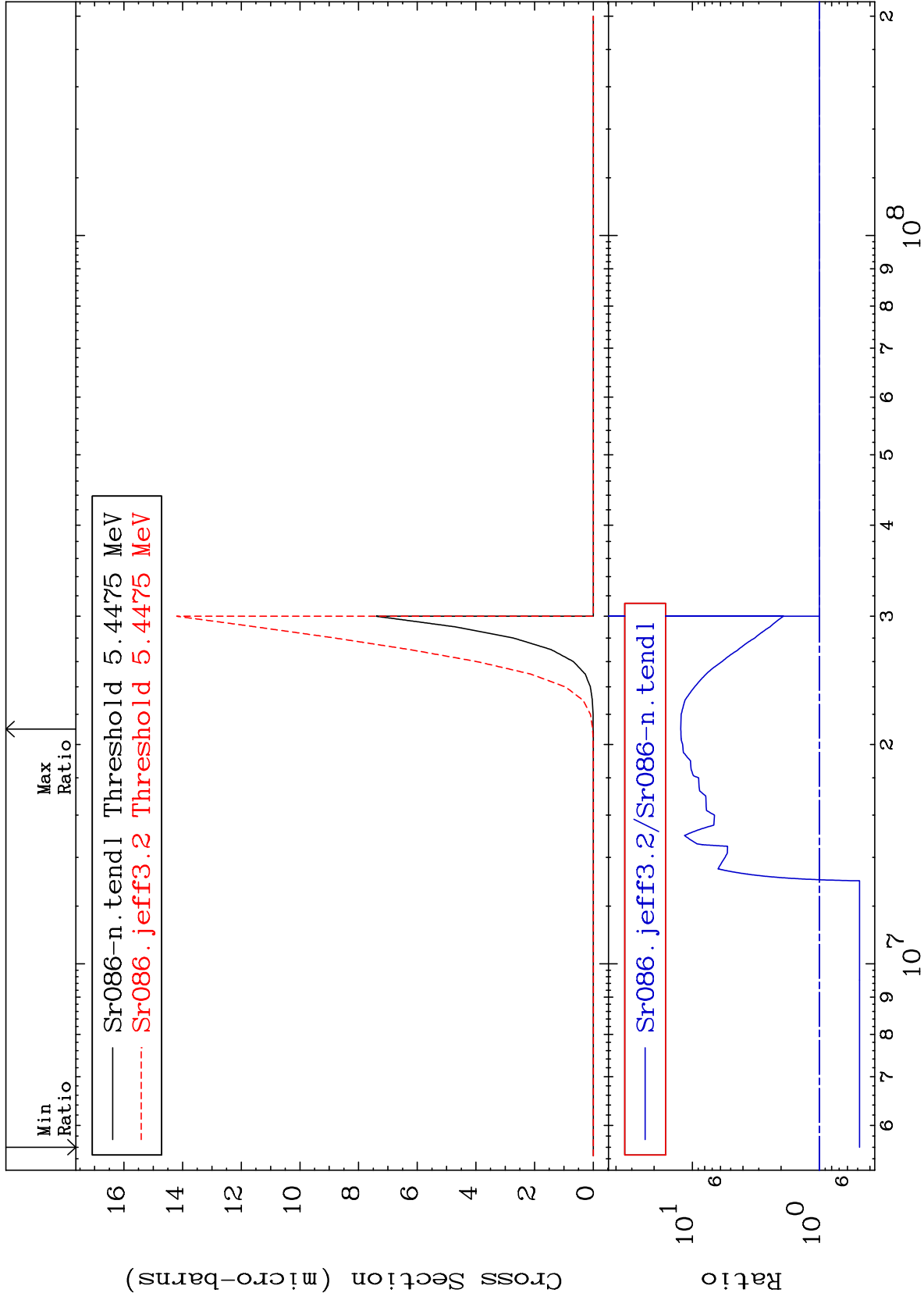
Cross Section

-27.90 To 9999. %



Cross Section

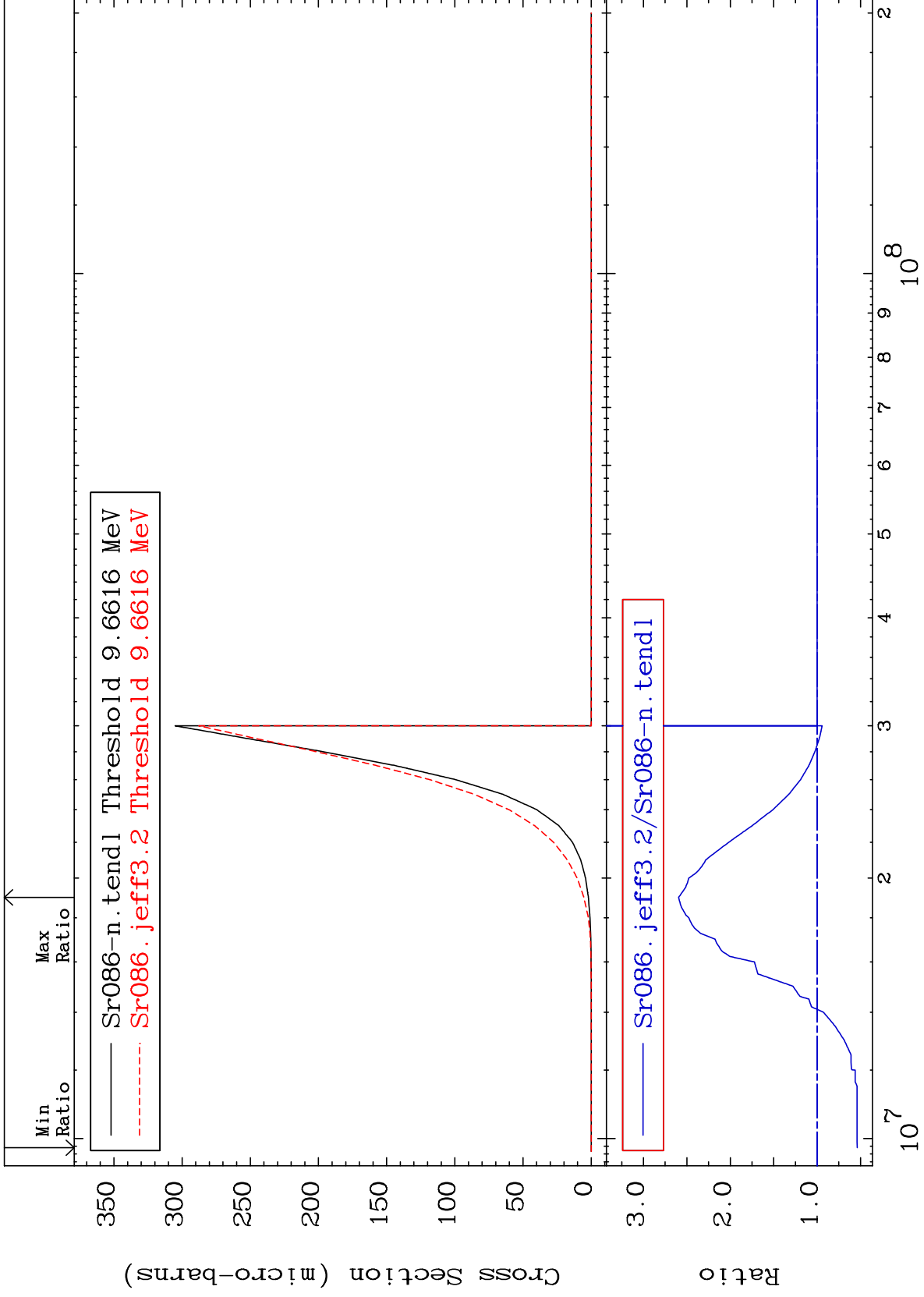
-51.72 To 1134. %



MAT 3831

(n,2p)  
Cross Section

38-Sr-86  
-46.22 To 159.5 %



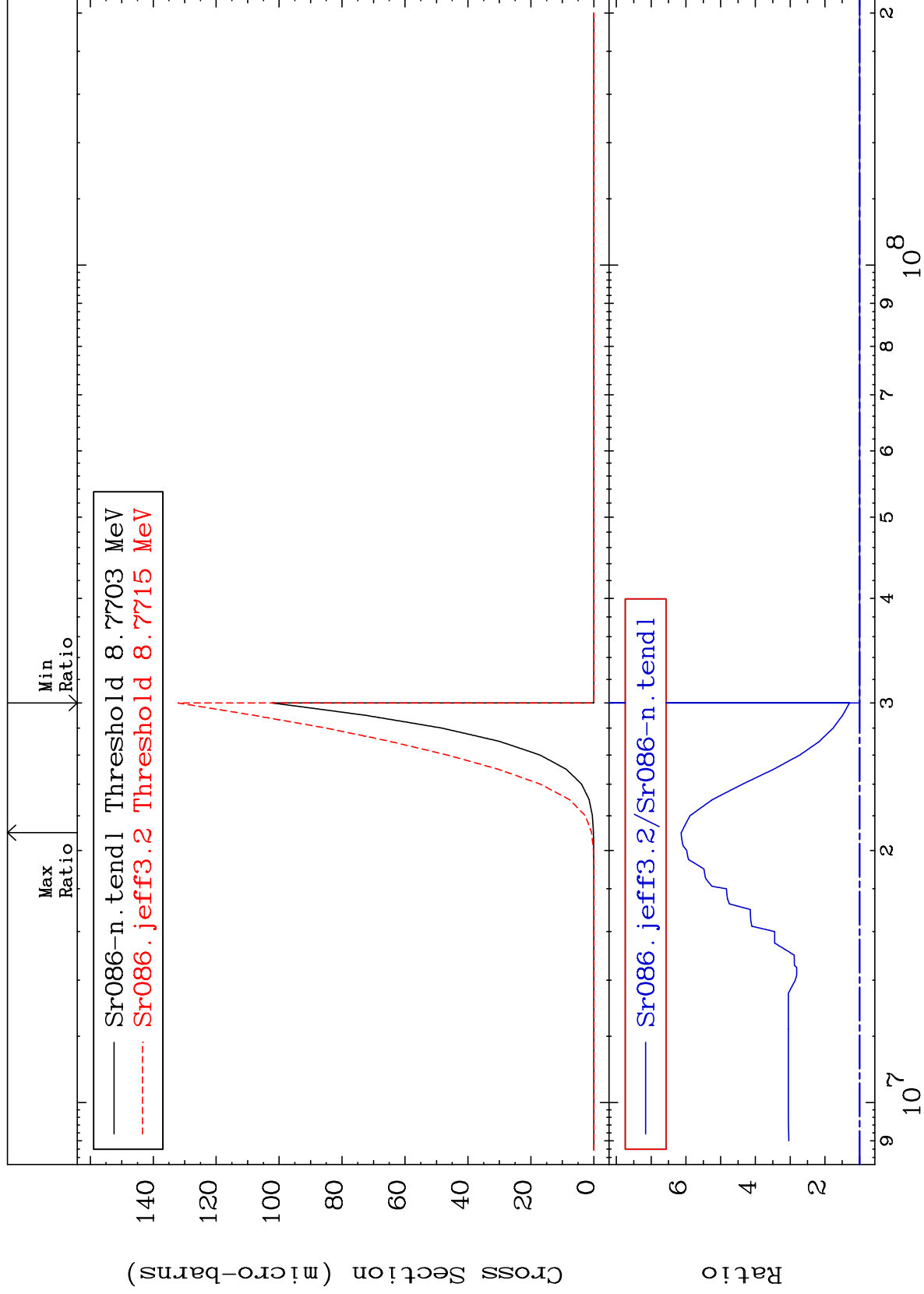
55

38-Sr-86

38-Sr-86

MAT 3831

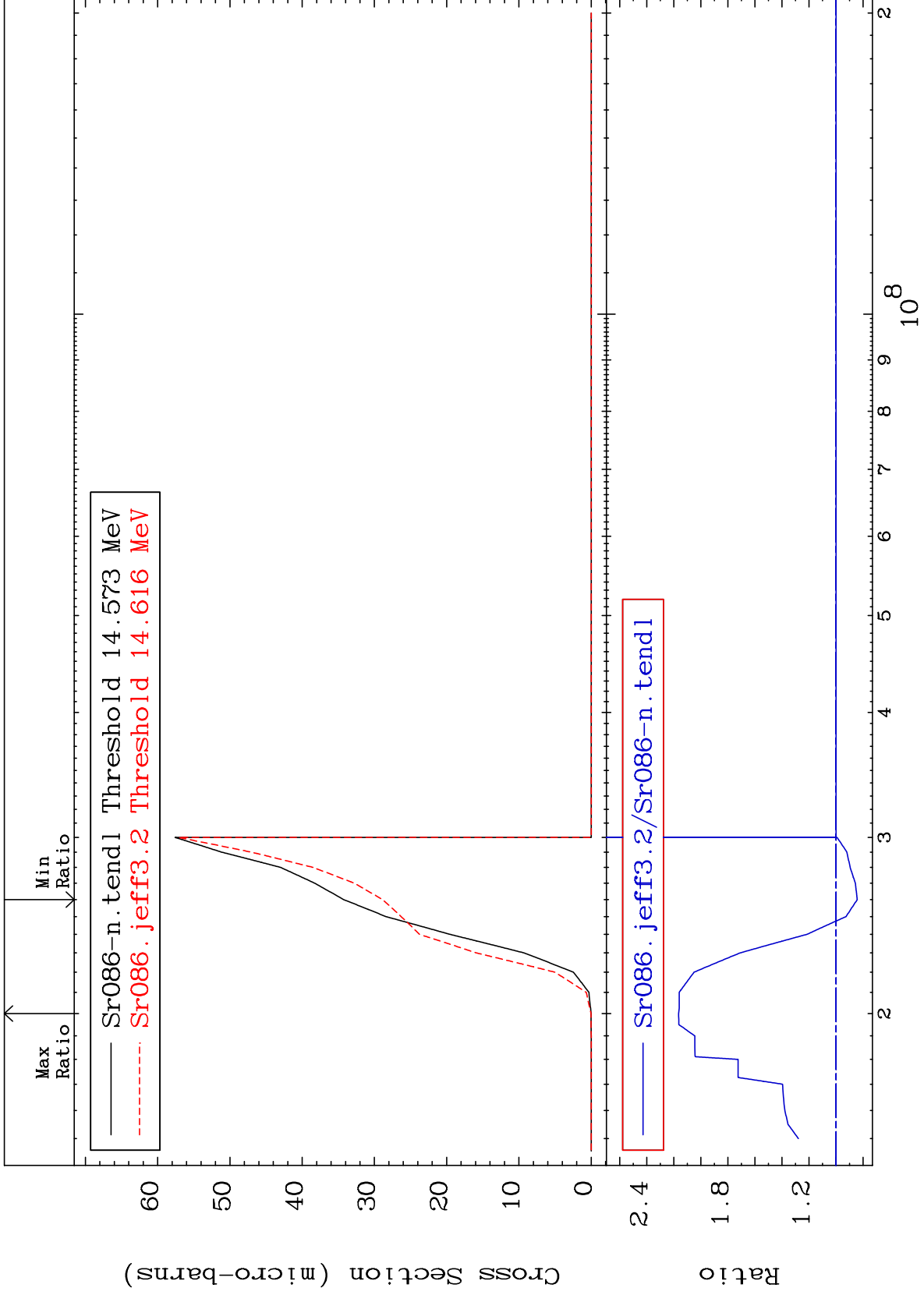
(n, p)  $\alpha$  Cross Section  
38-Sr-86 To 513.6 %  
0.000



56

38-Sr-86

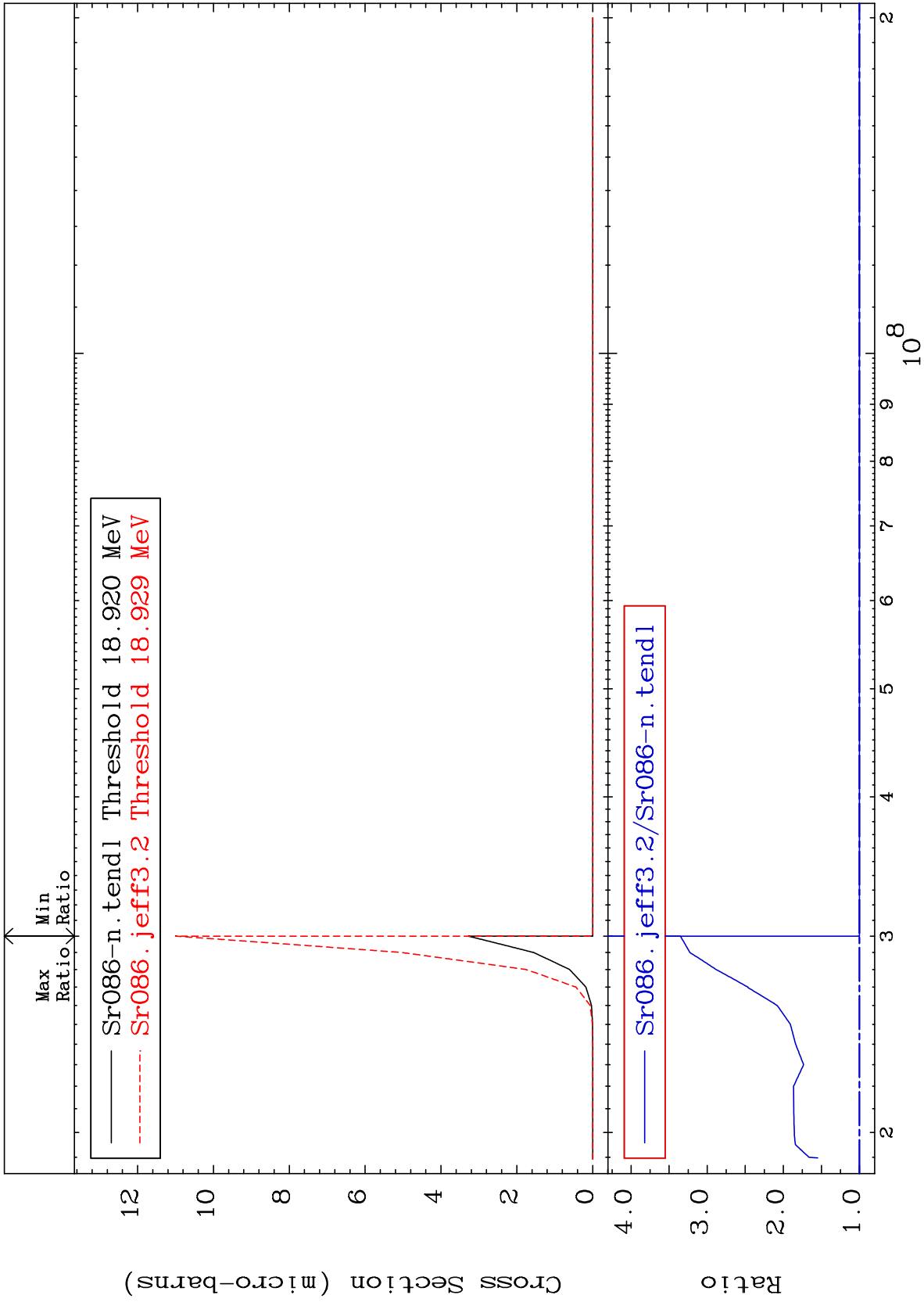


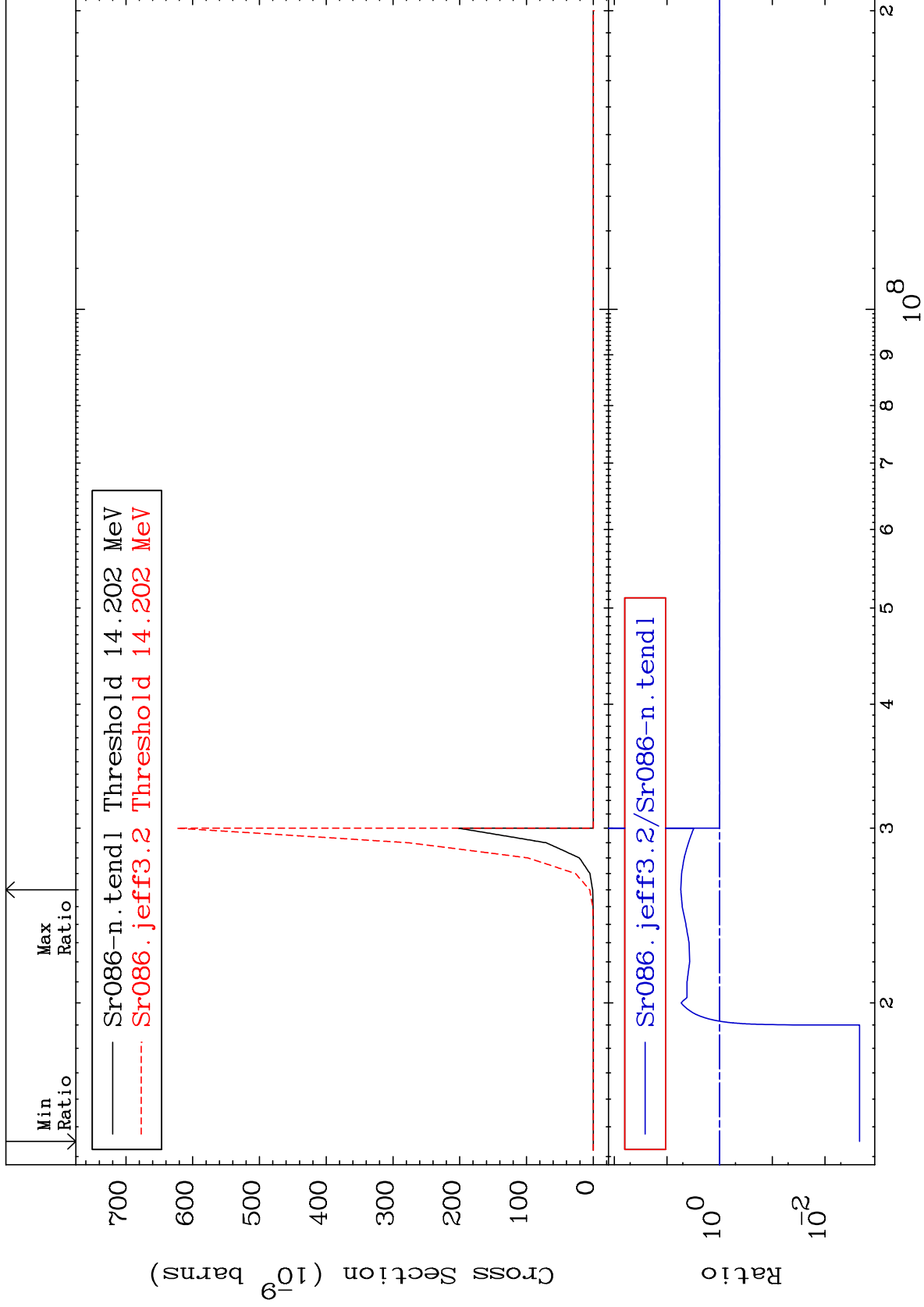


MAT 3831

(n, p) t  
Cross Section

38-Sr-86  
0.000 To 235.3 %

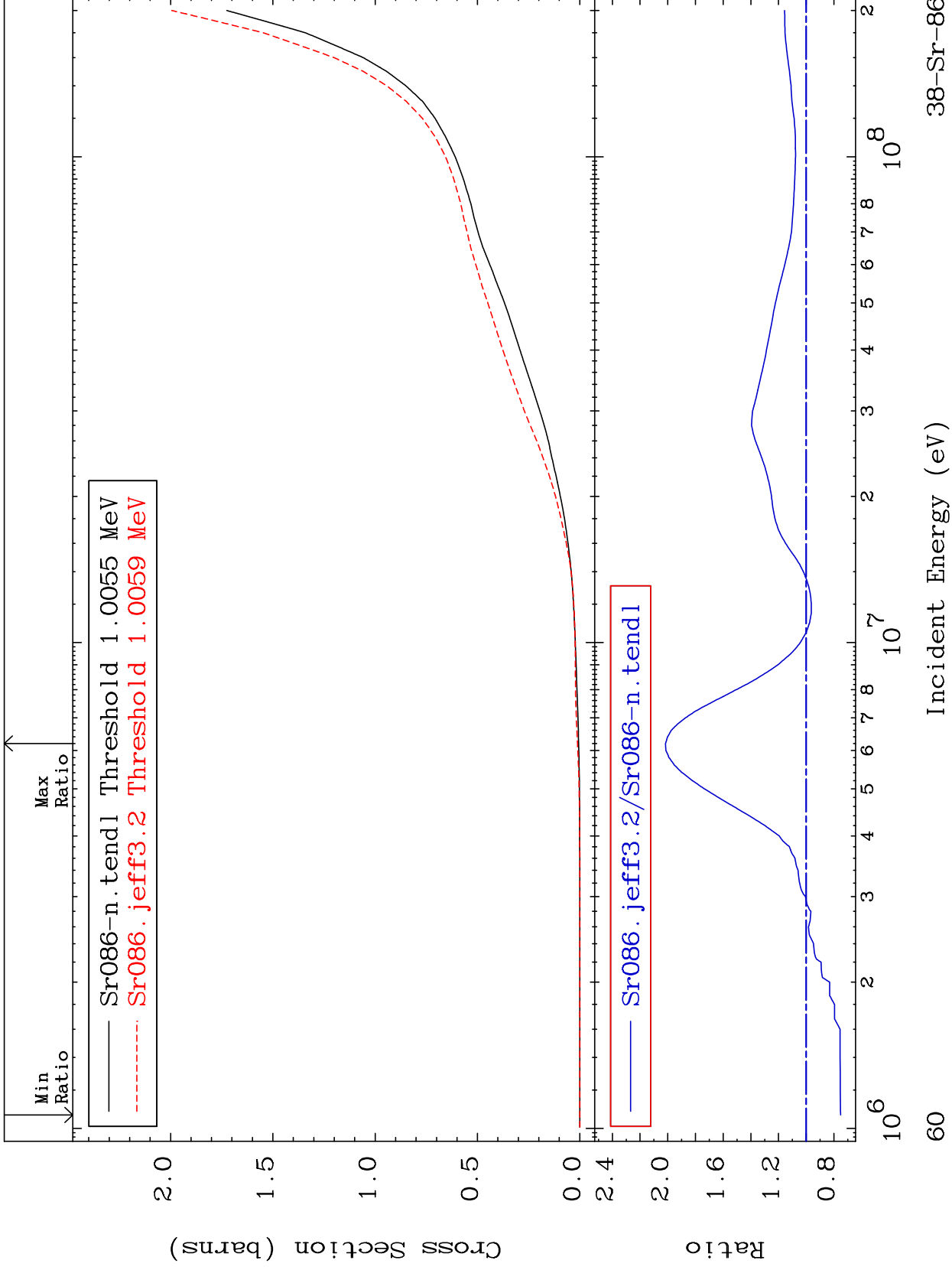




MAT 3831

Hydrogen Production  
Cross Section

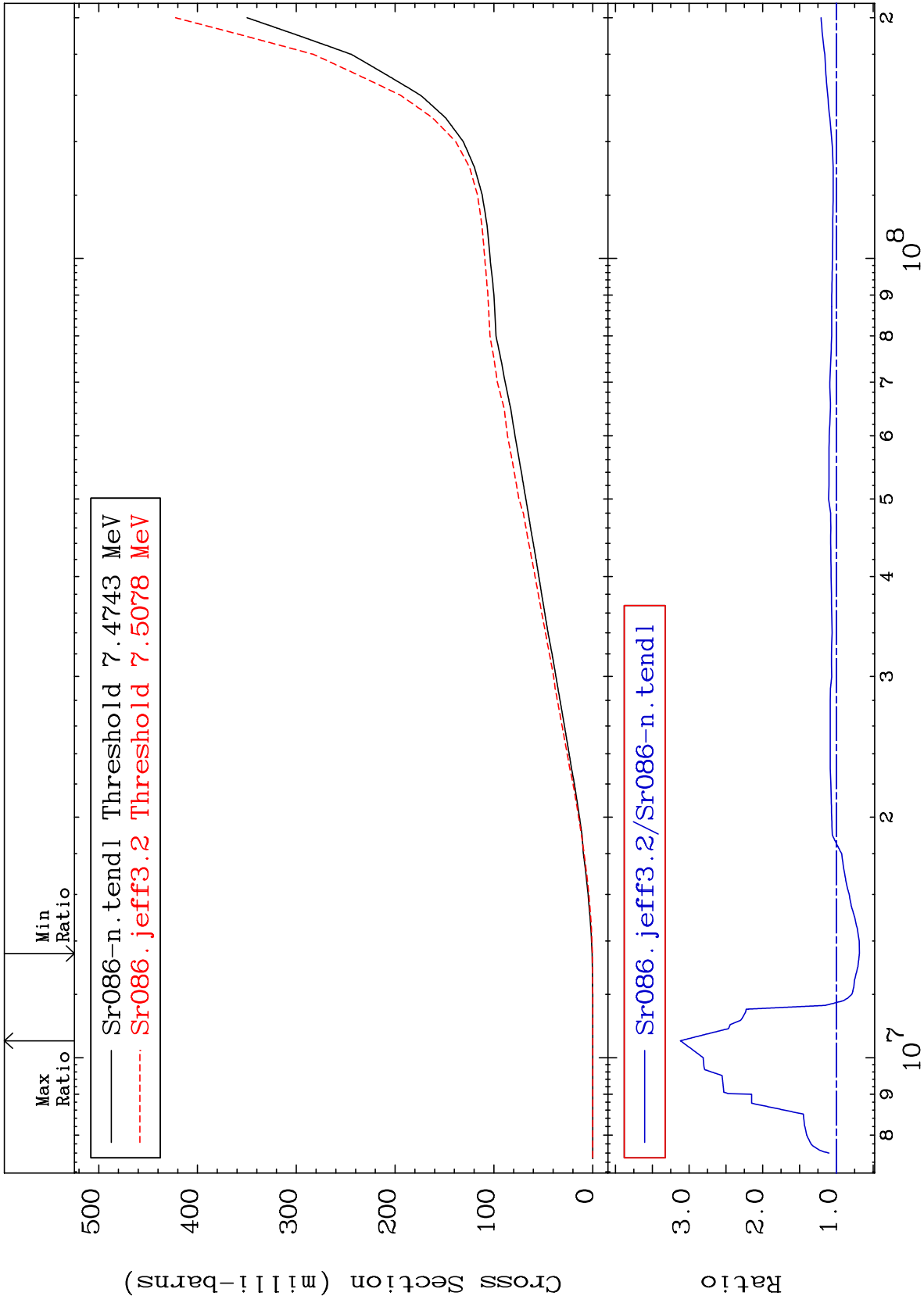
<sup>38</sup>Sr-86  
-24.86 To 101.6 %



MAT 3831

Deuterium Production  
Cross Section

<sup>38</sup>Sr-86  
-31.43 To 211.9 %

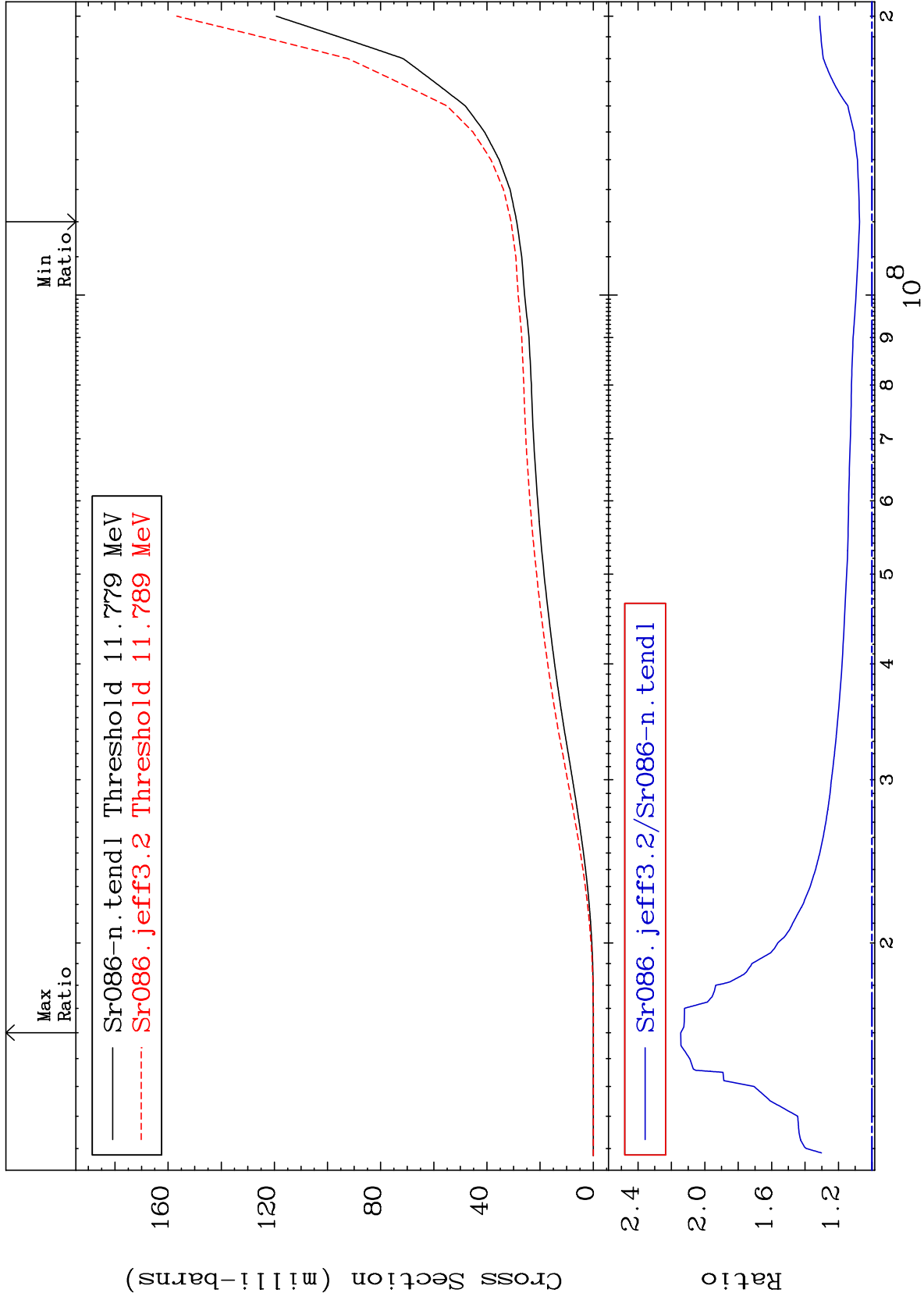


61

Incident Energy (eV)

<sup>38</sup>Sr-86

MAT 3831 Tritium Production Cross Section <sup>38</sup>Sr-86 To 114.4 %

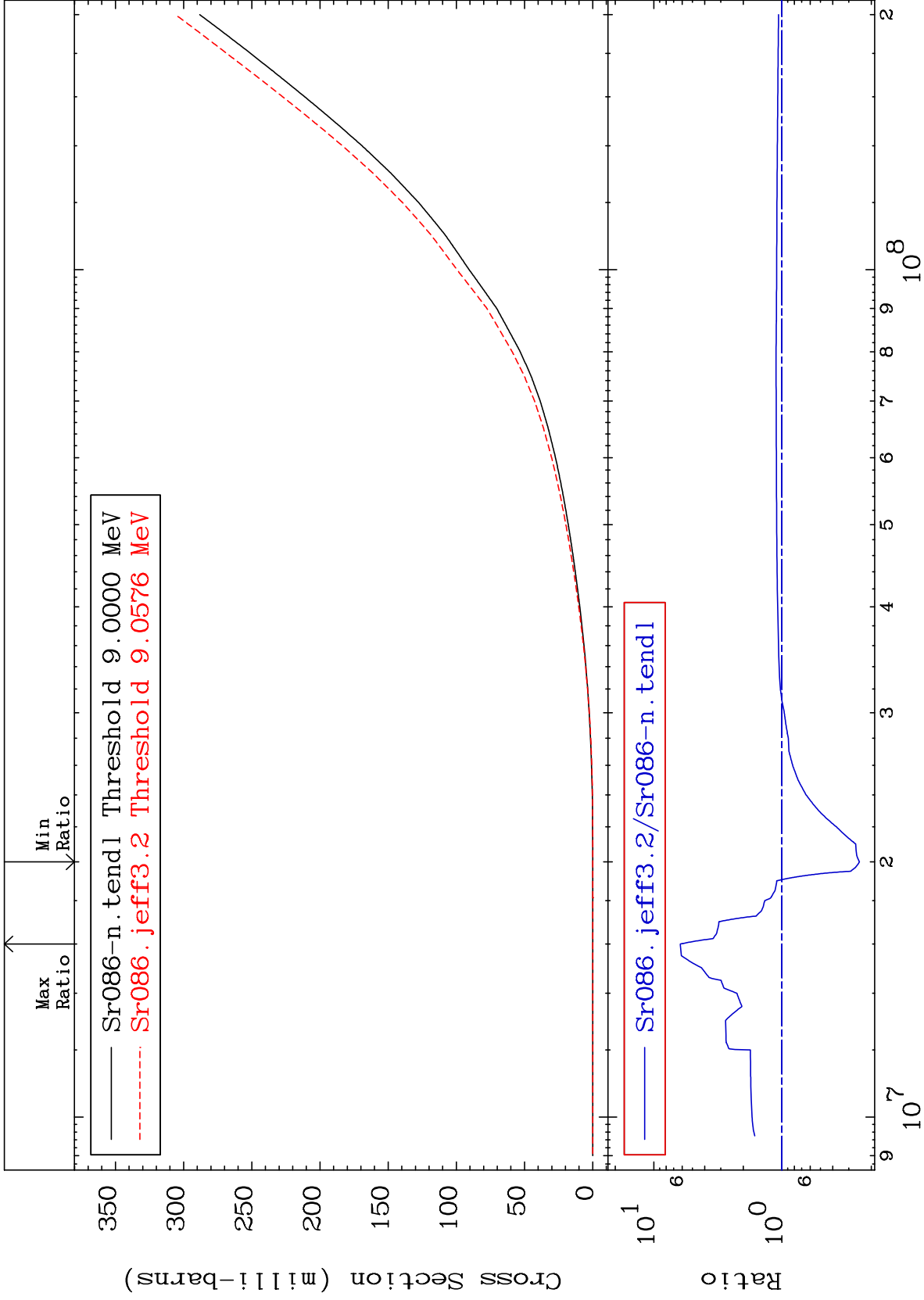


62 Incident Energy (eV) <sup>38</sup>Sr-86

MAT 3831

He-3 Production  
Cross Section

38-Sr-86  
-75.21 To 520.6 %



63

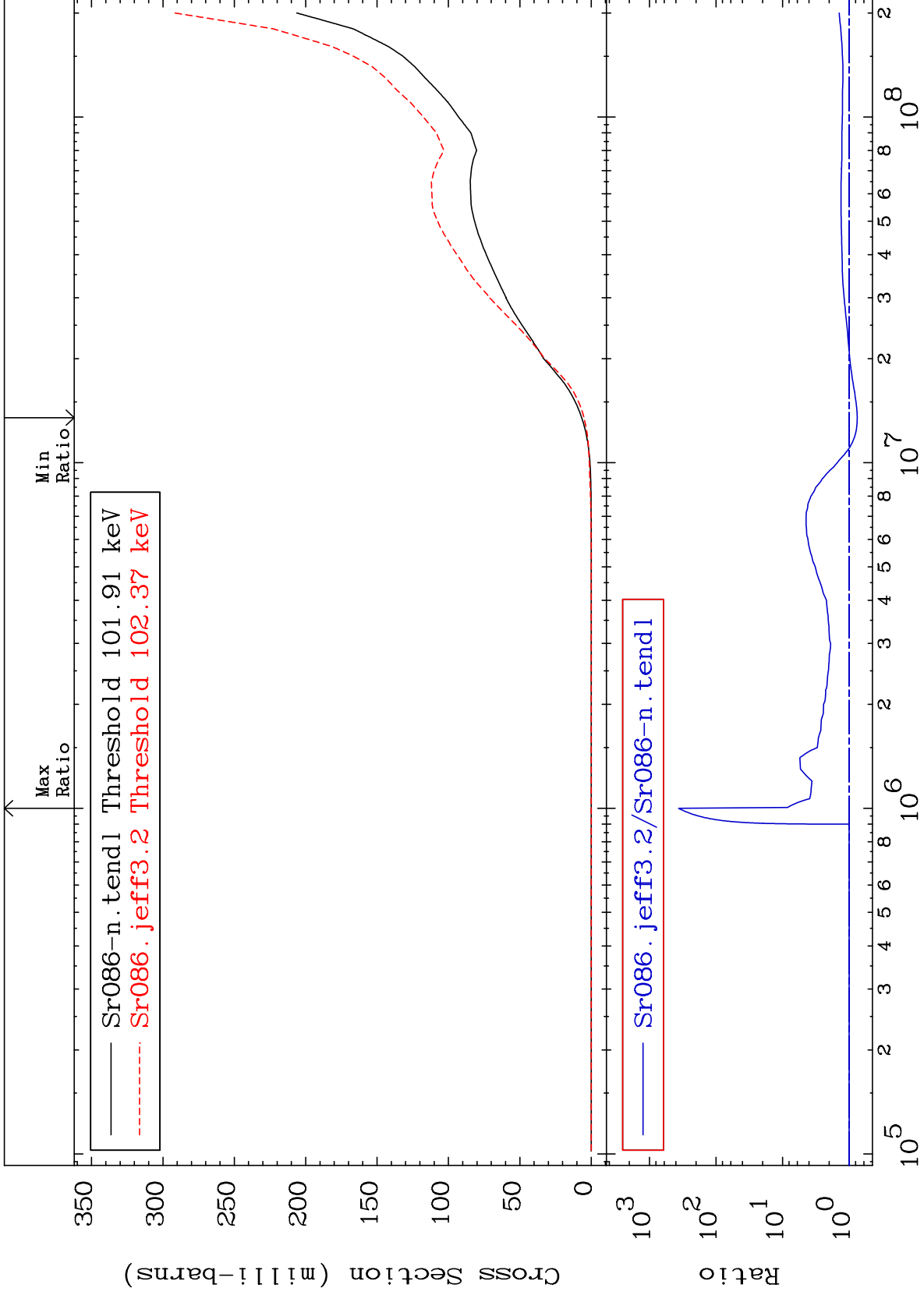
Incident Energy (eV)

38-Sr-86

MAT 3831

He-4 Production  
Cross Section

38-Sr-86  
-24.36 To 9999. %

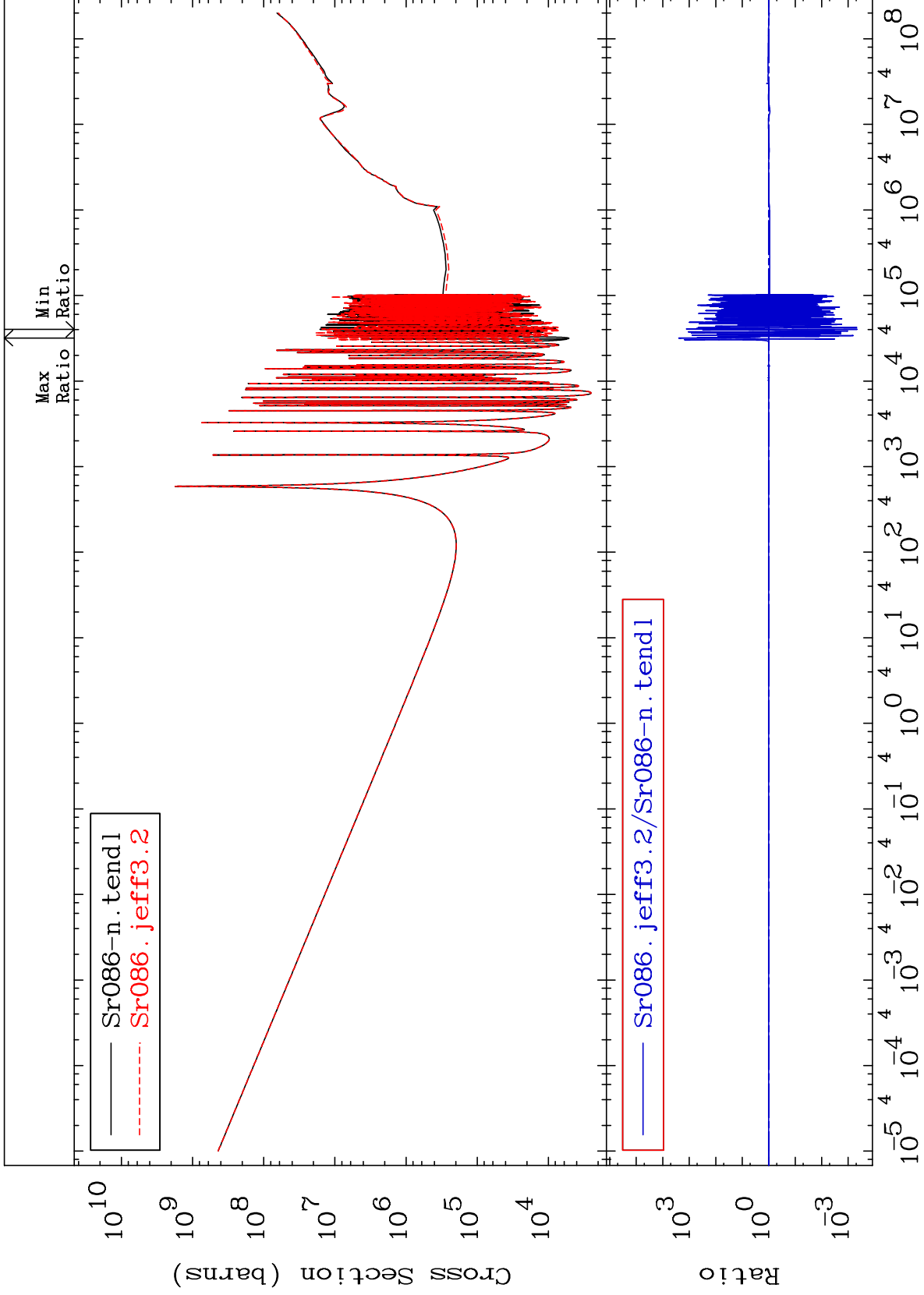


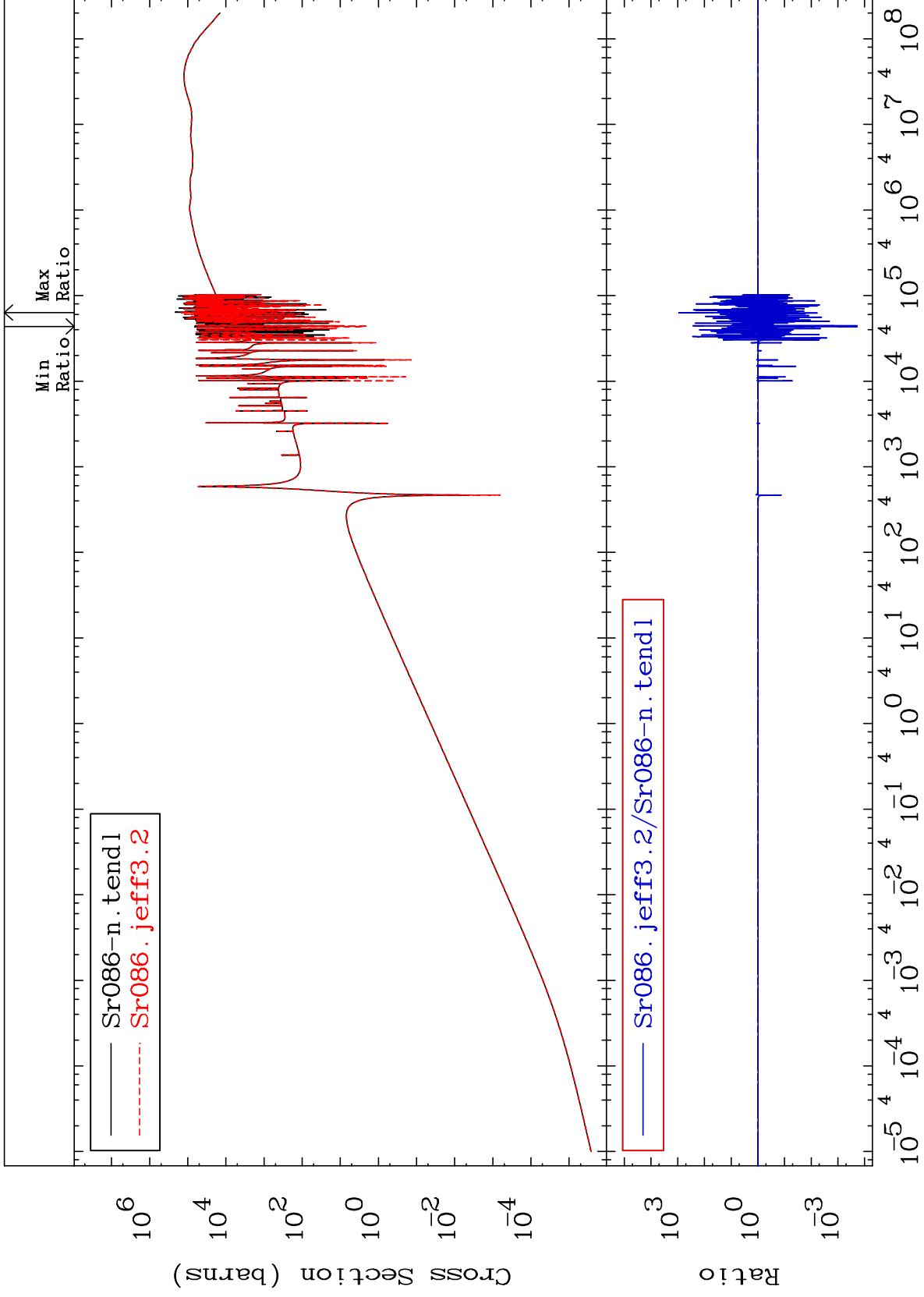
64

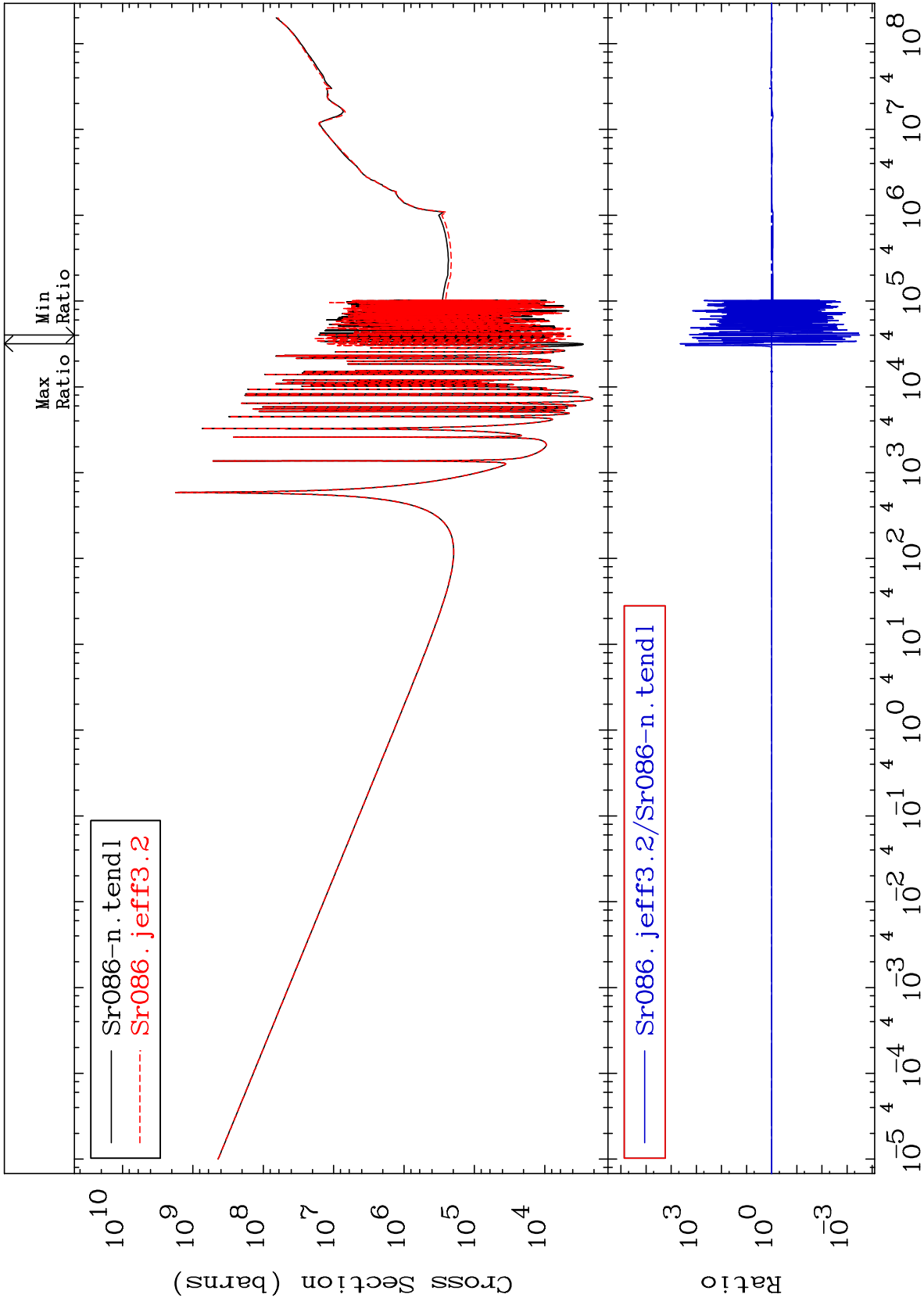
Incident Energy (eV)

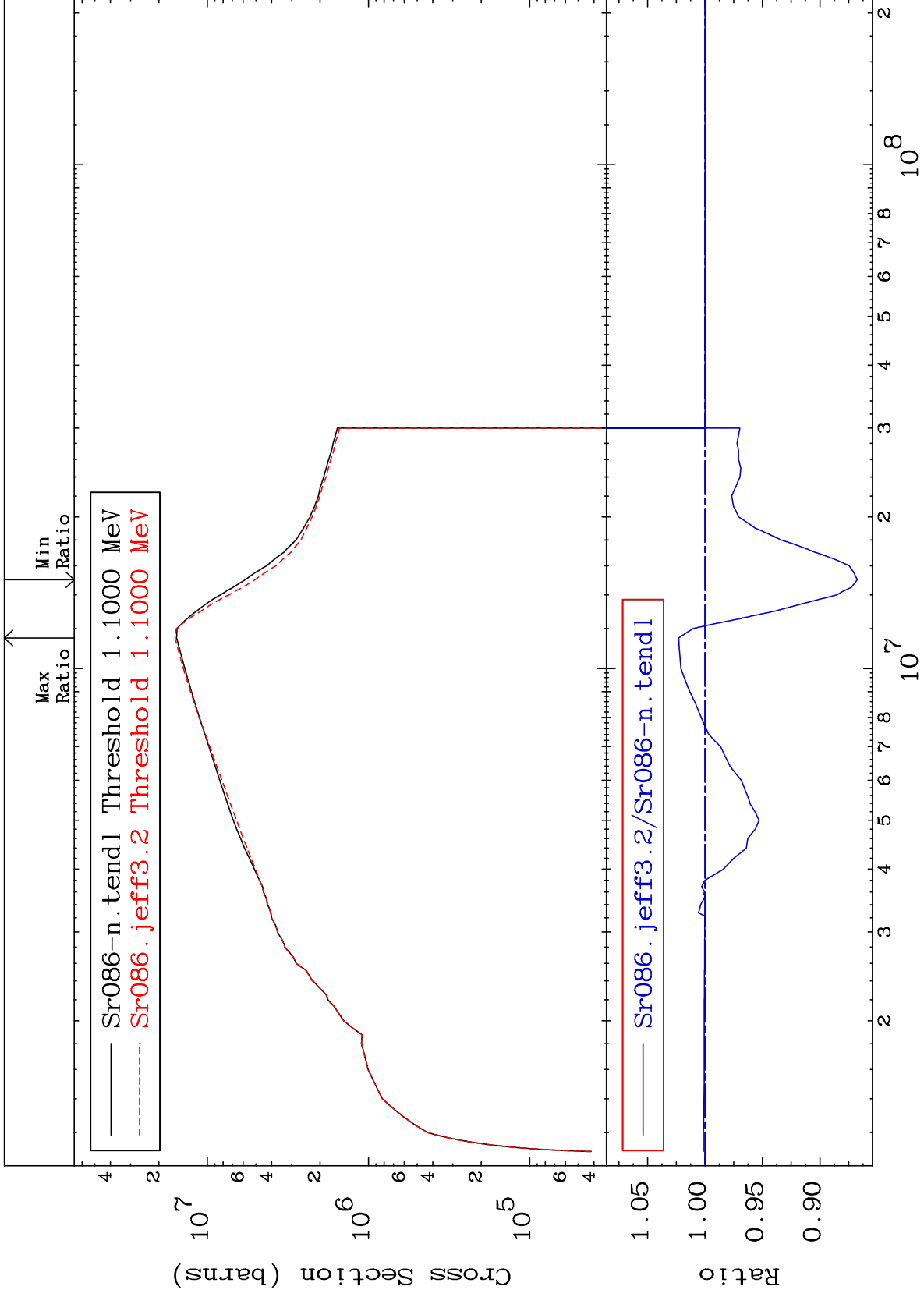
38-Sr-86







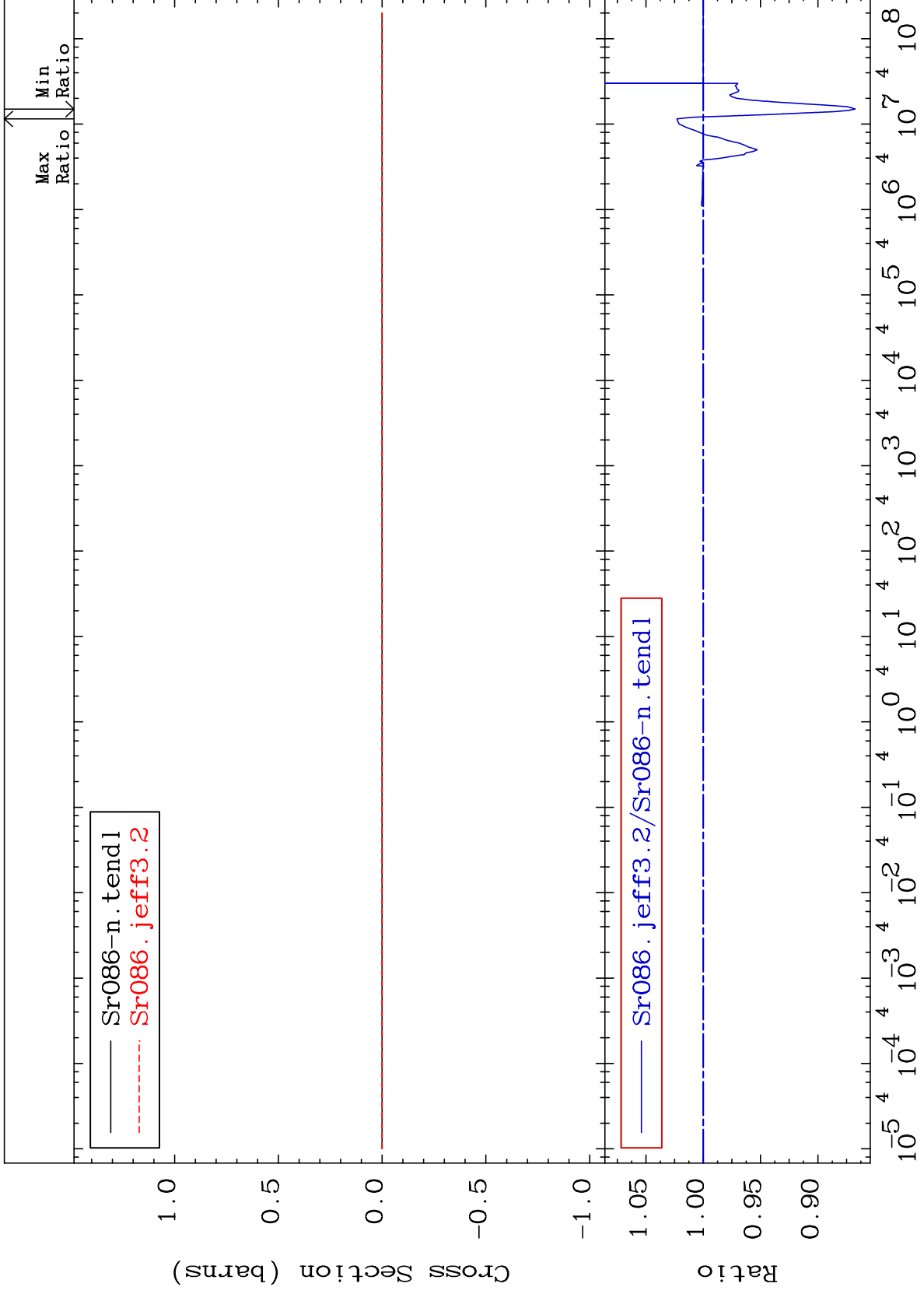


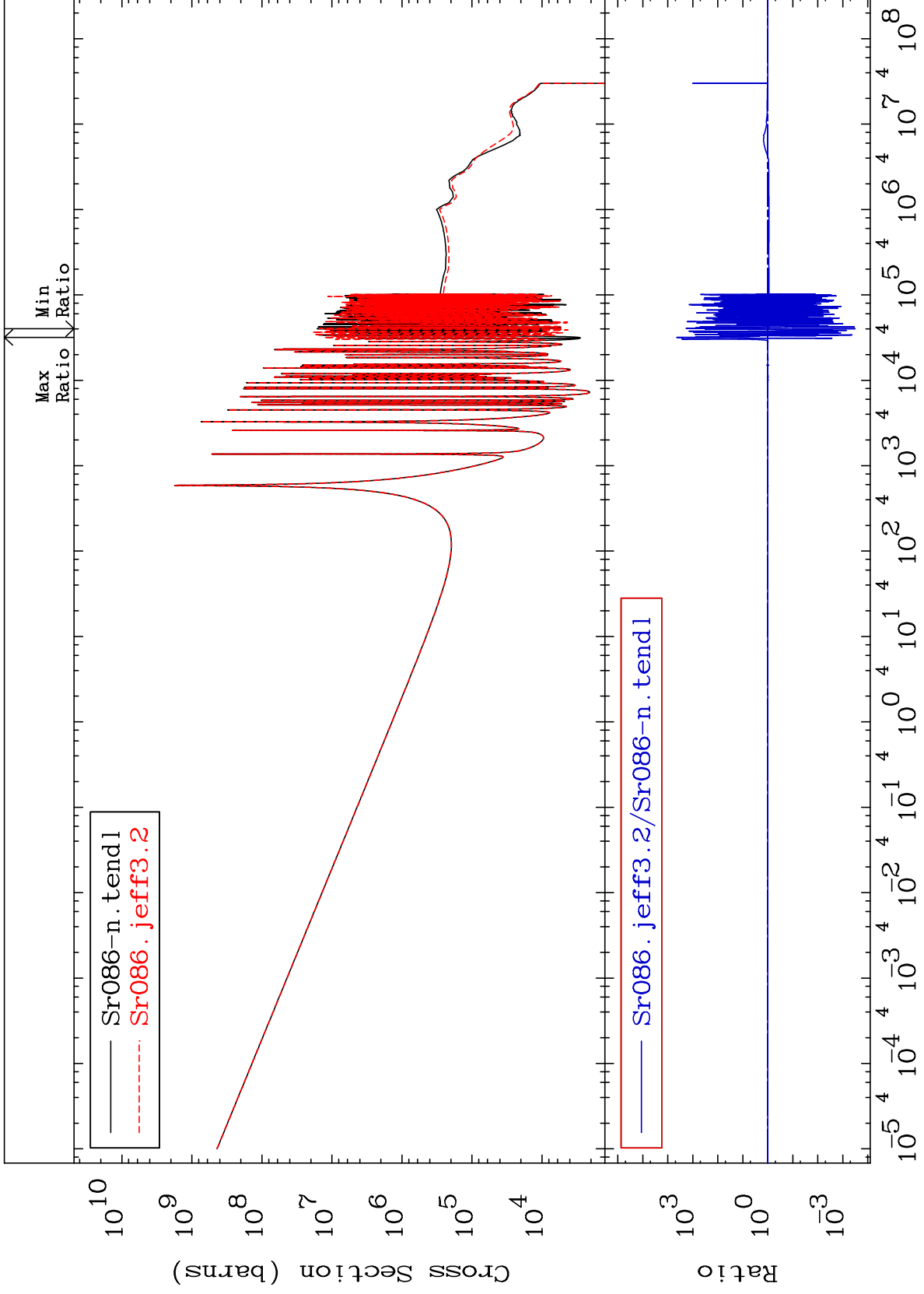


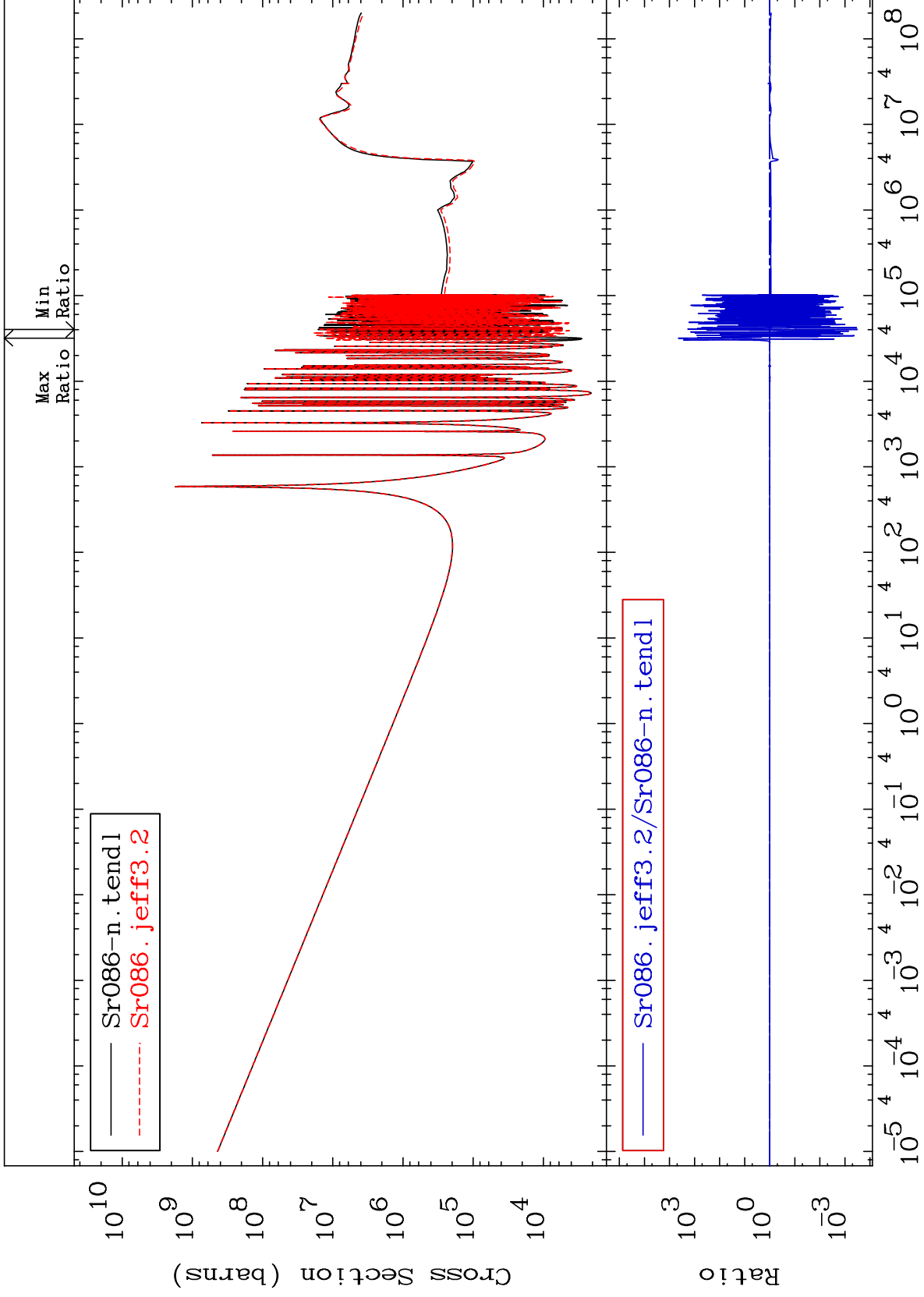
MAT 3831

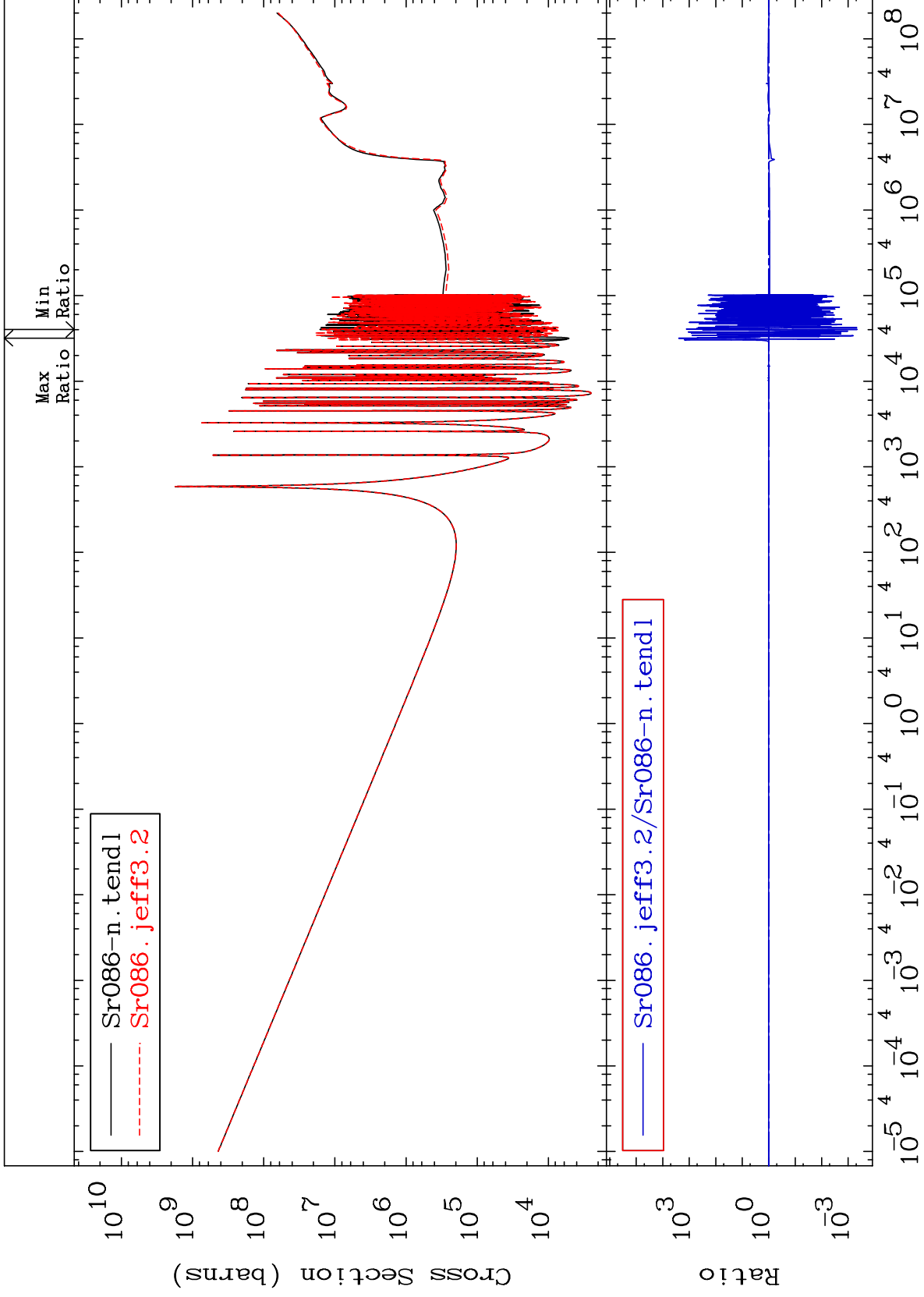
Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

38-Sr-86  
-13.25 To 2.302 %







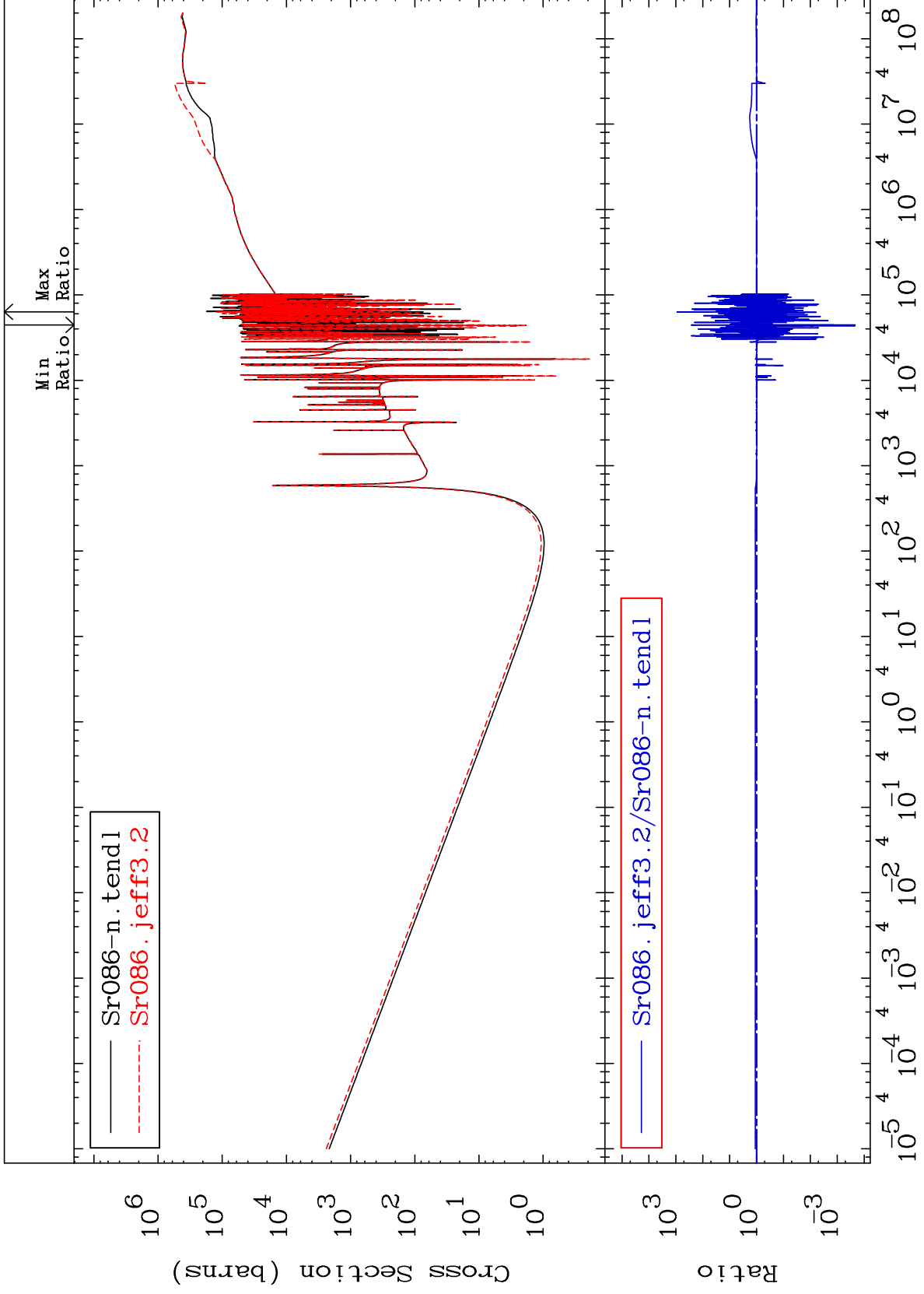




MAT 3831

Dpa total (eV-barns)  
Cross Section

38-Sr-86  
-99.98 To 9999. %



73

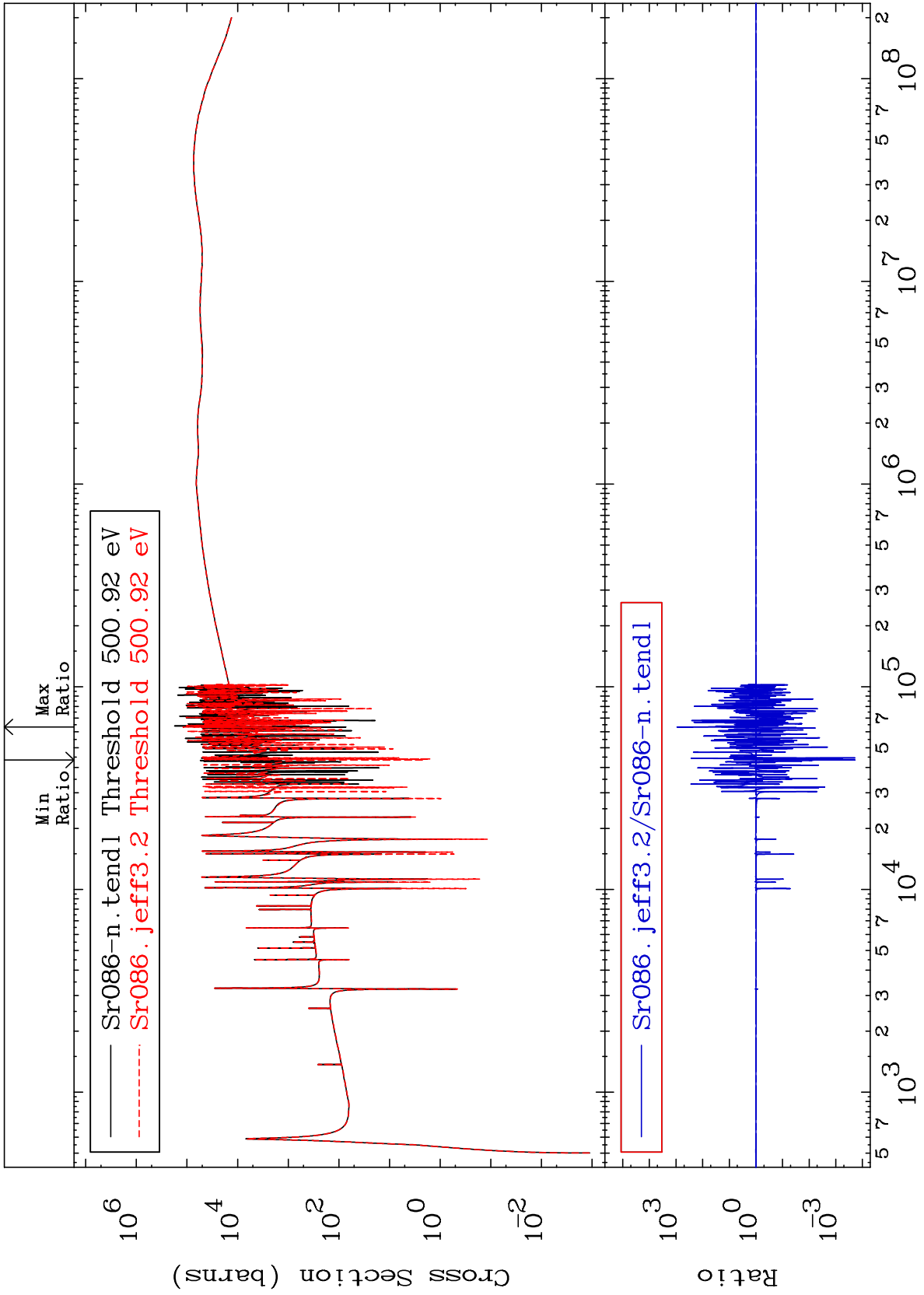
Incident Energy (eV)

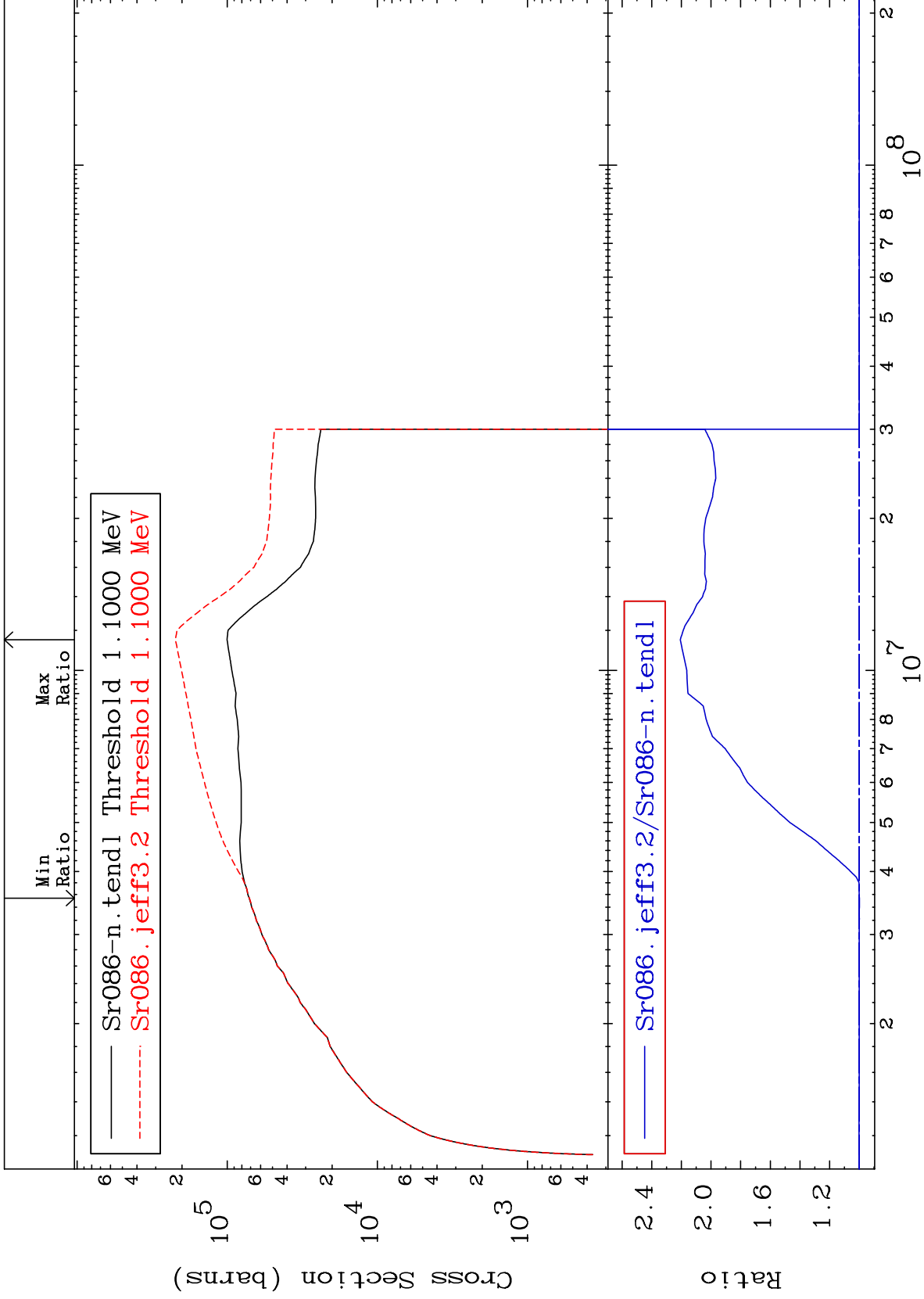
38-Sr-86

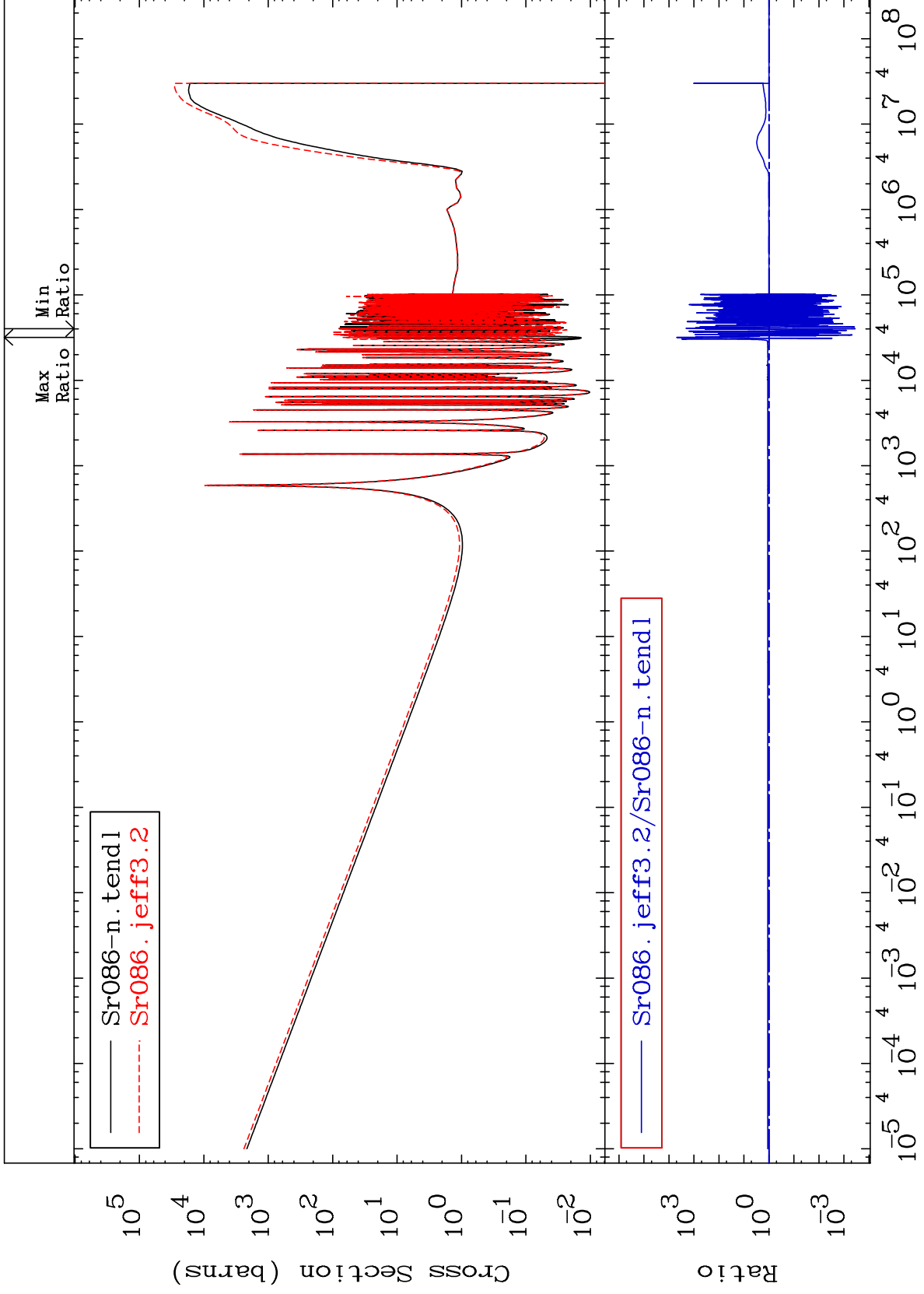
MAT 3831

Dpa elastic (mt2)  
Cross Section

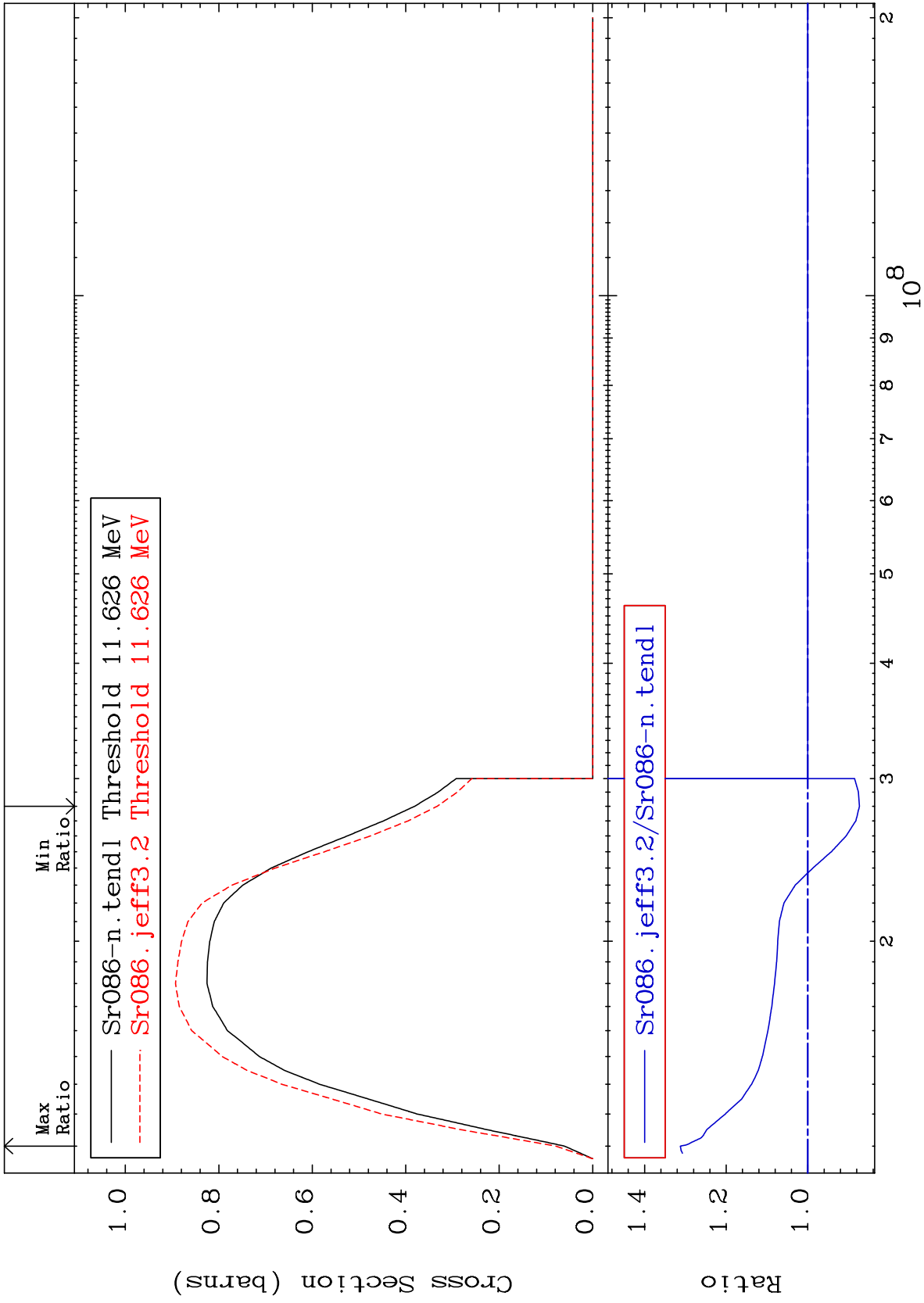
38-Sr-86  
-99.98 To 9999. %

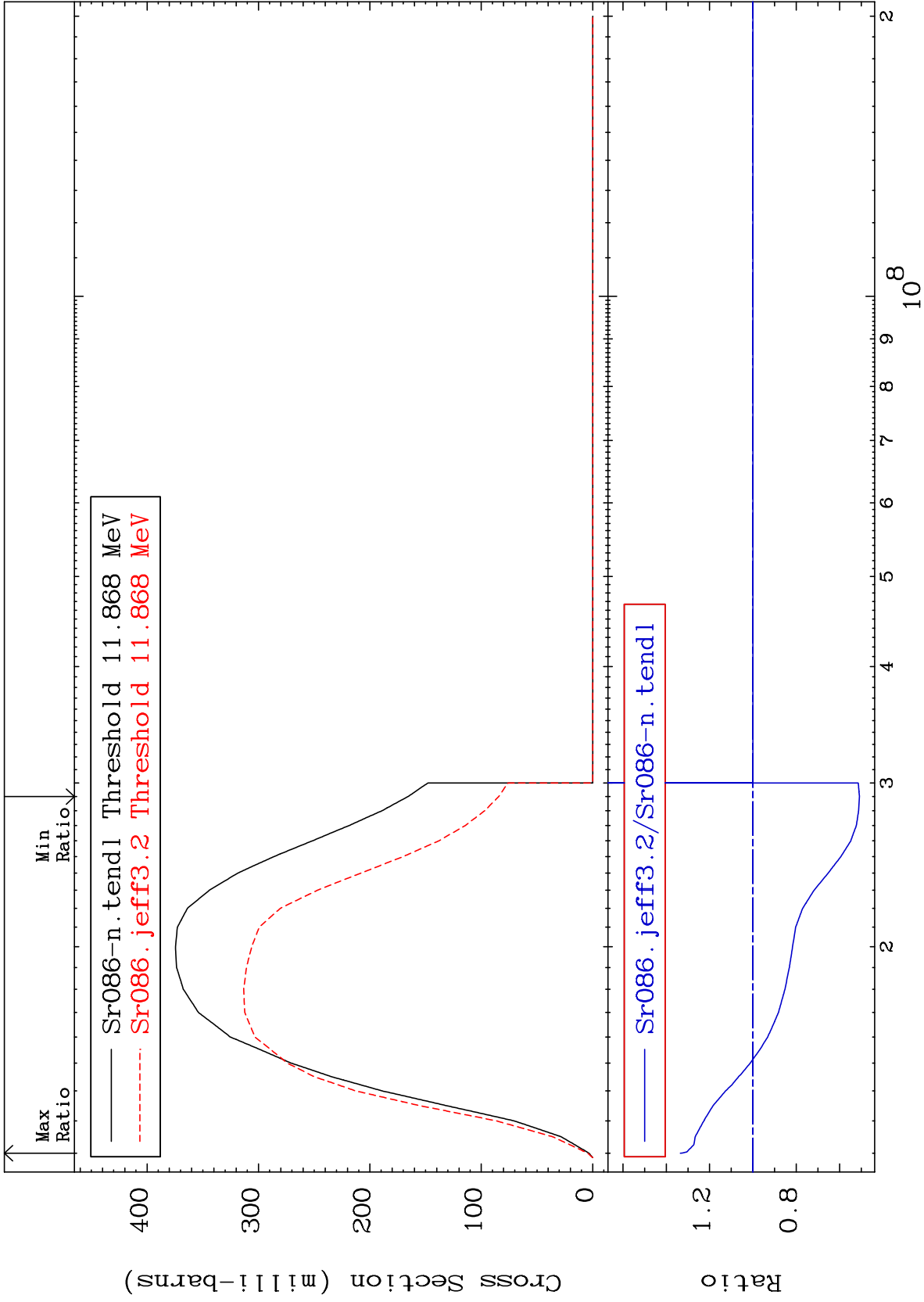






Radionuclide Production Cross Section -12.65 To 31.24 %



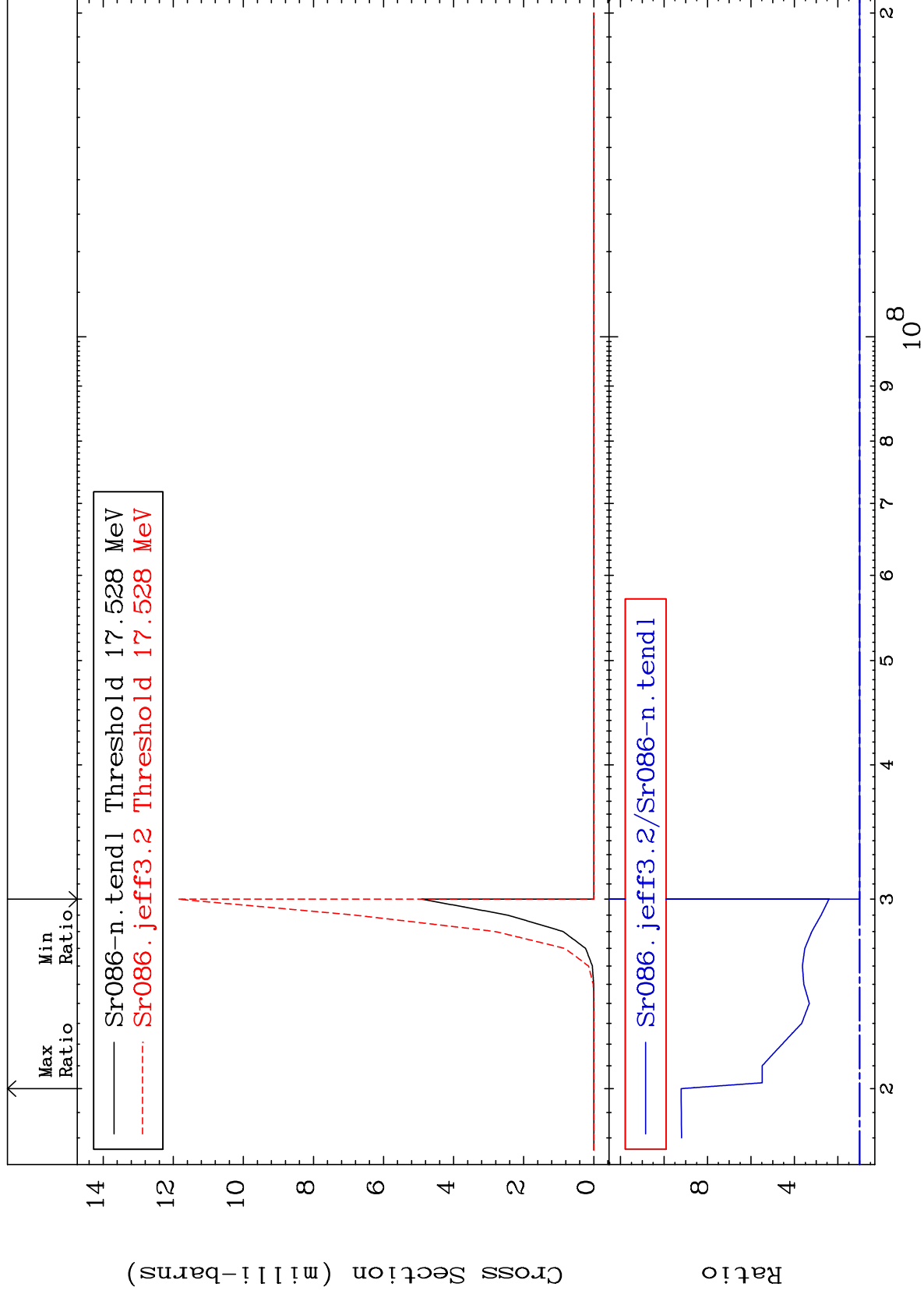


MAT 3831

(n,2n)  $\alpha$ :36-Kr-81g

38-Sr-86

Radionuclide Production Cross Section 0.000 To 821.1 %



79

Incident Energy (eV)

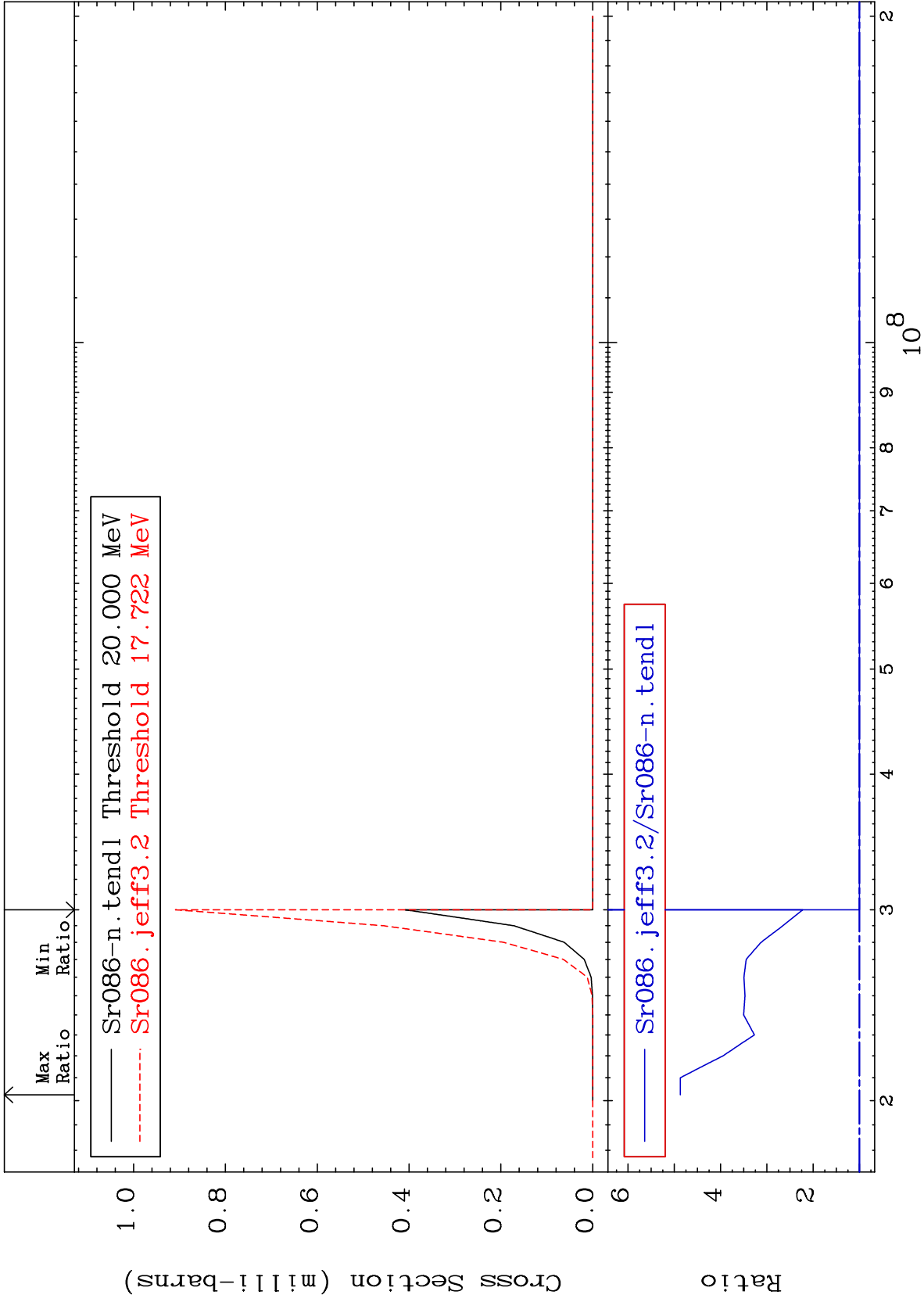
38-Sr-86

MAT 3831

(n,2n)  $\alpha$ :36-Kr-81m2

38-Sr-86

Radionuclide Production Cross Section 0.000 To 387.0 %

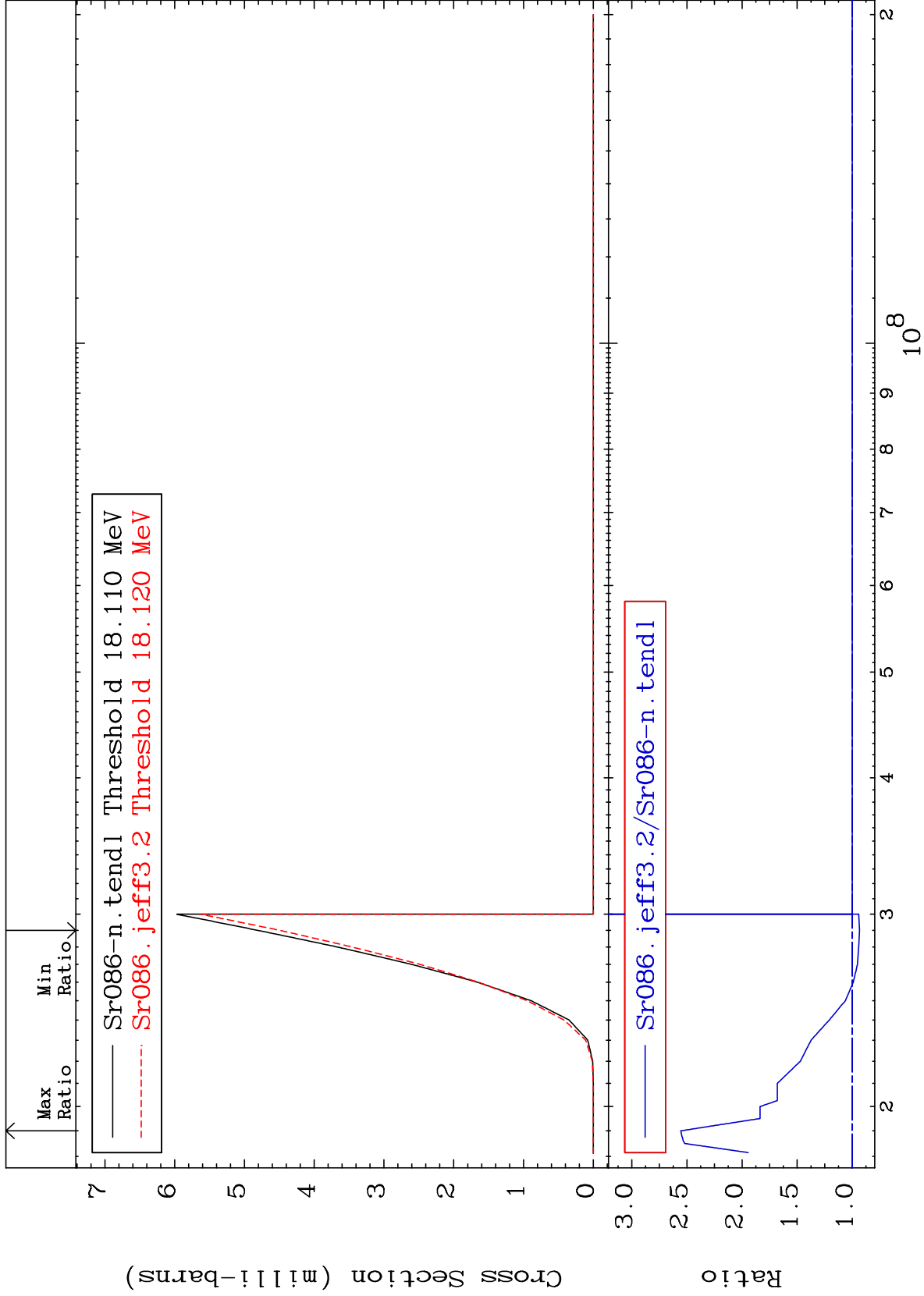


80

38-Sr-86

38-Sr-86



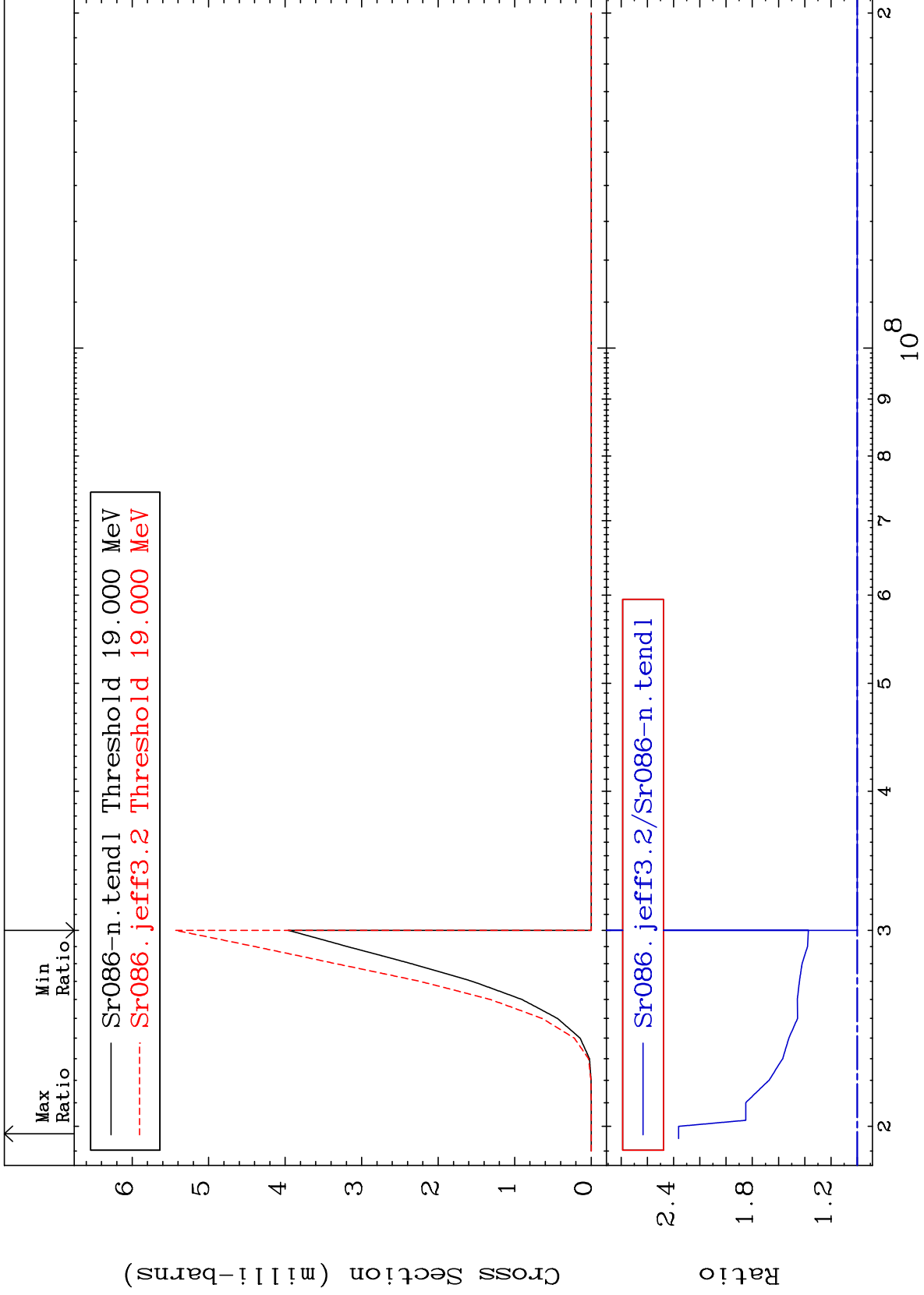


MAT 3831

(n, n') d:37-Rb-84m2

38-Sr-86

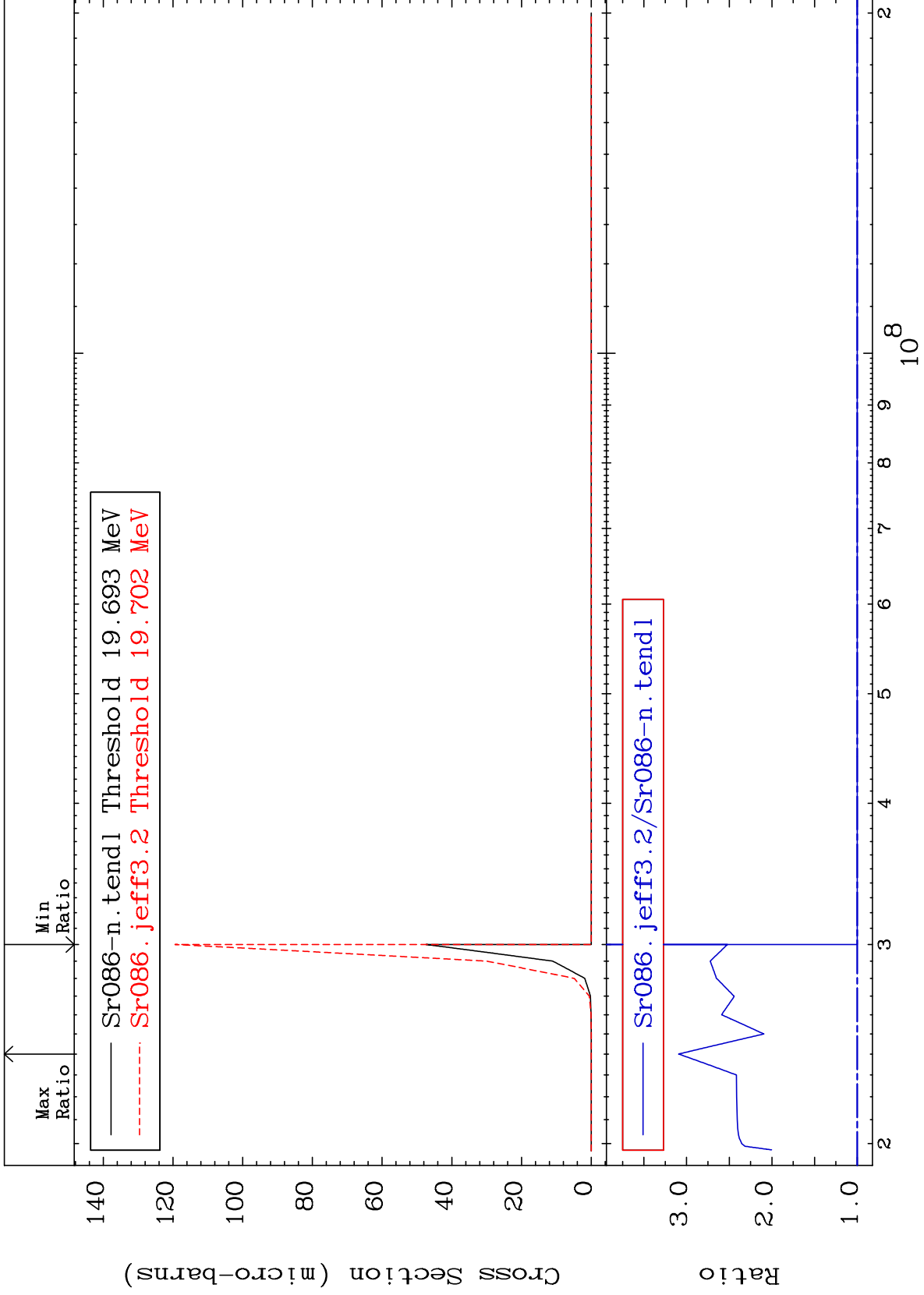
Radionuclide Production Cross Section 0.000 To 136.2 %



82

Incident Energy (eV)

38-Sr-86

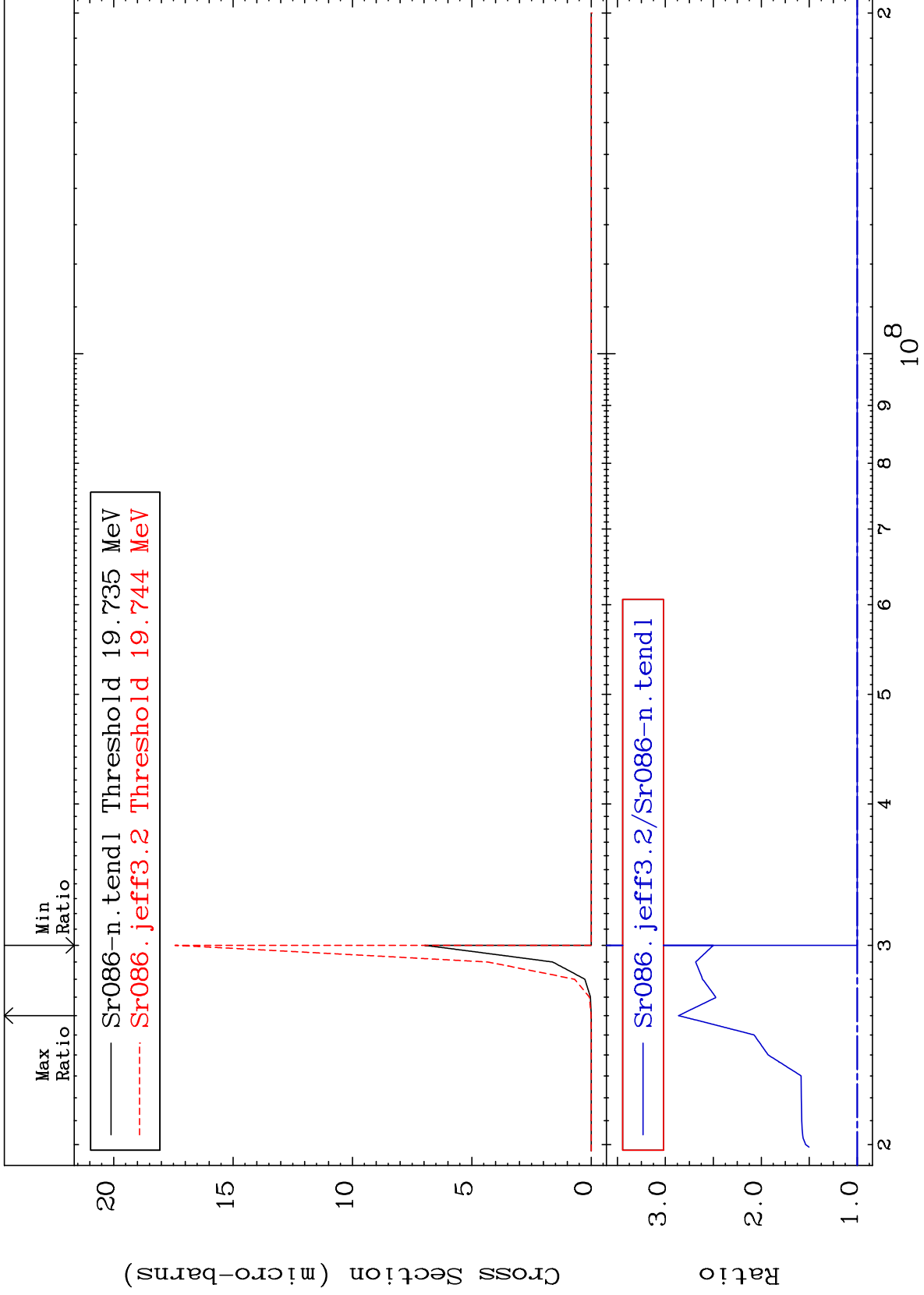


MAT 3831

(n, n') He-3:36-Kr-83m2

38-Sr-86

Radionuclide Production Cross Section 0.000 To 186.1 %

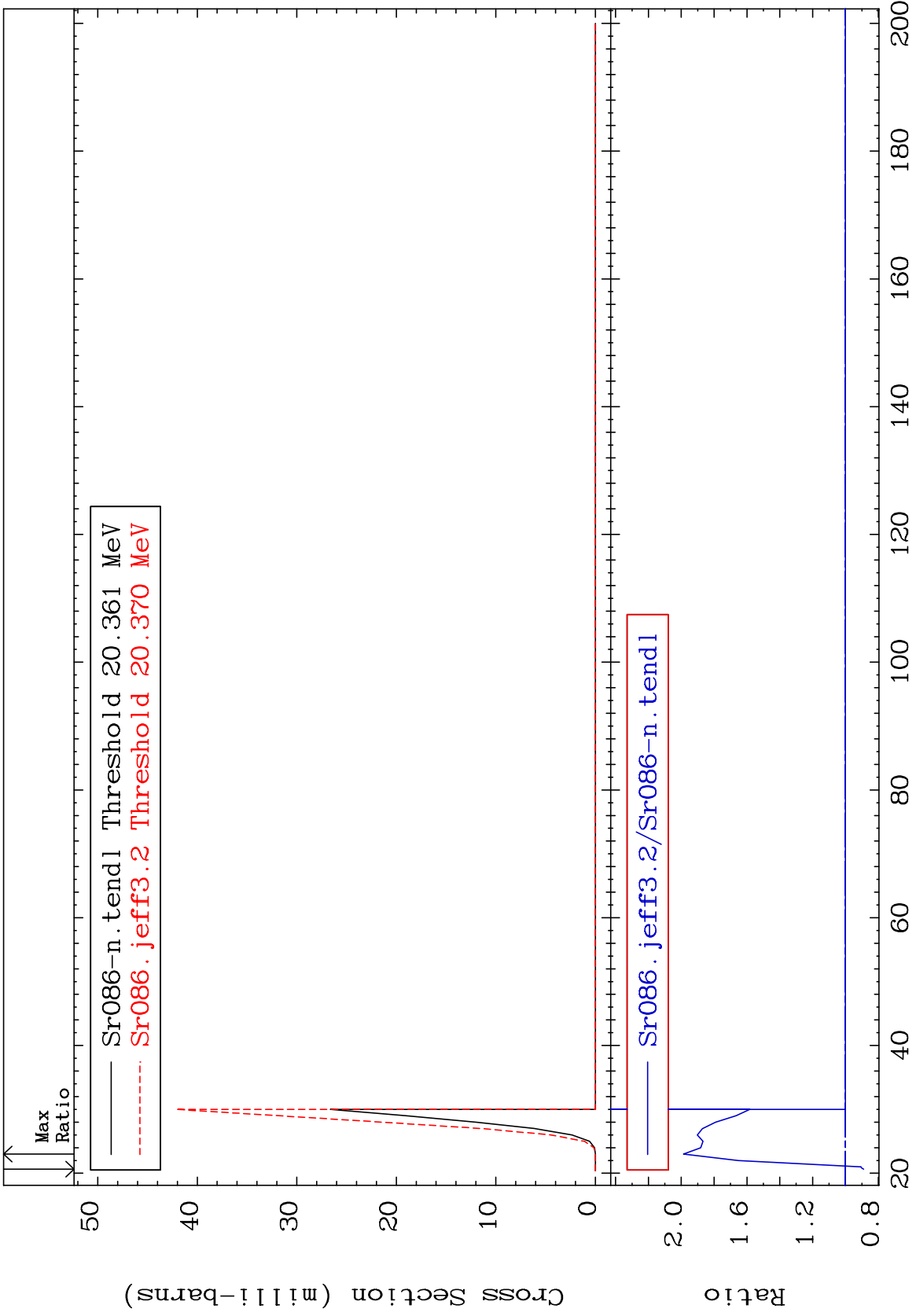


MAT 3831

(n,2n) p:37-Rb-84g

38-Sr-86

Radionuclide Production Cross Section -11.09 To 98.63 %



85

Incident Energy (MeV)

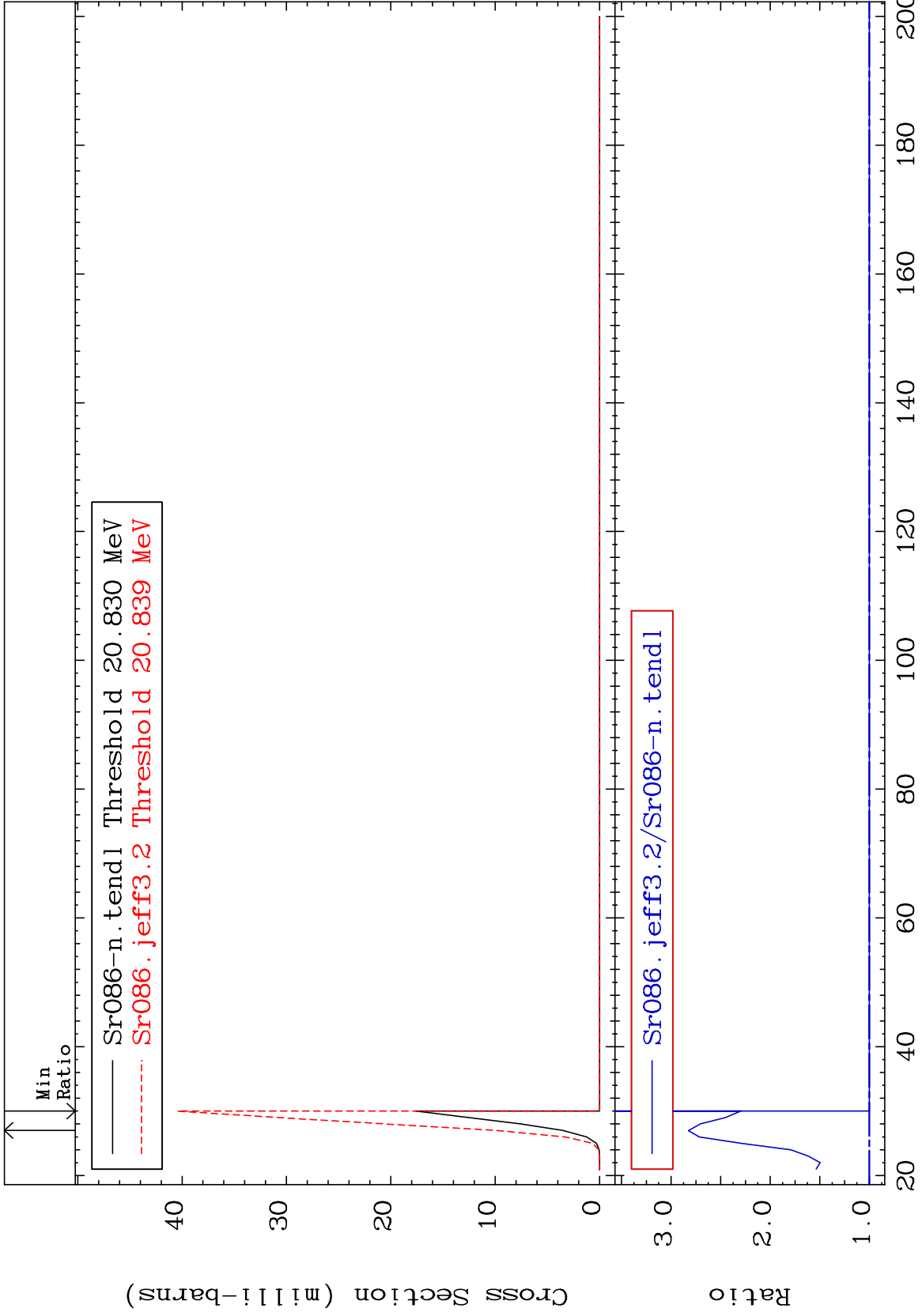
38-Sr-86

MAT 3831

(n,2n) p:37-Rb-84m2

38-Sr-86

Radionuclide Production Cross Section 0.000 To 182.7 %



86

38-Sr-86

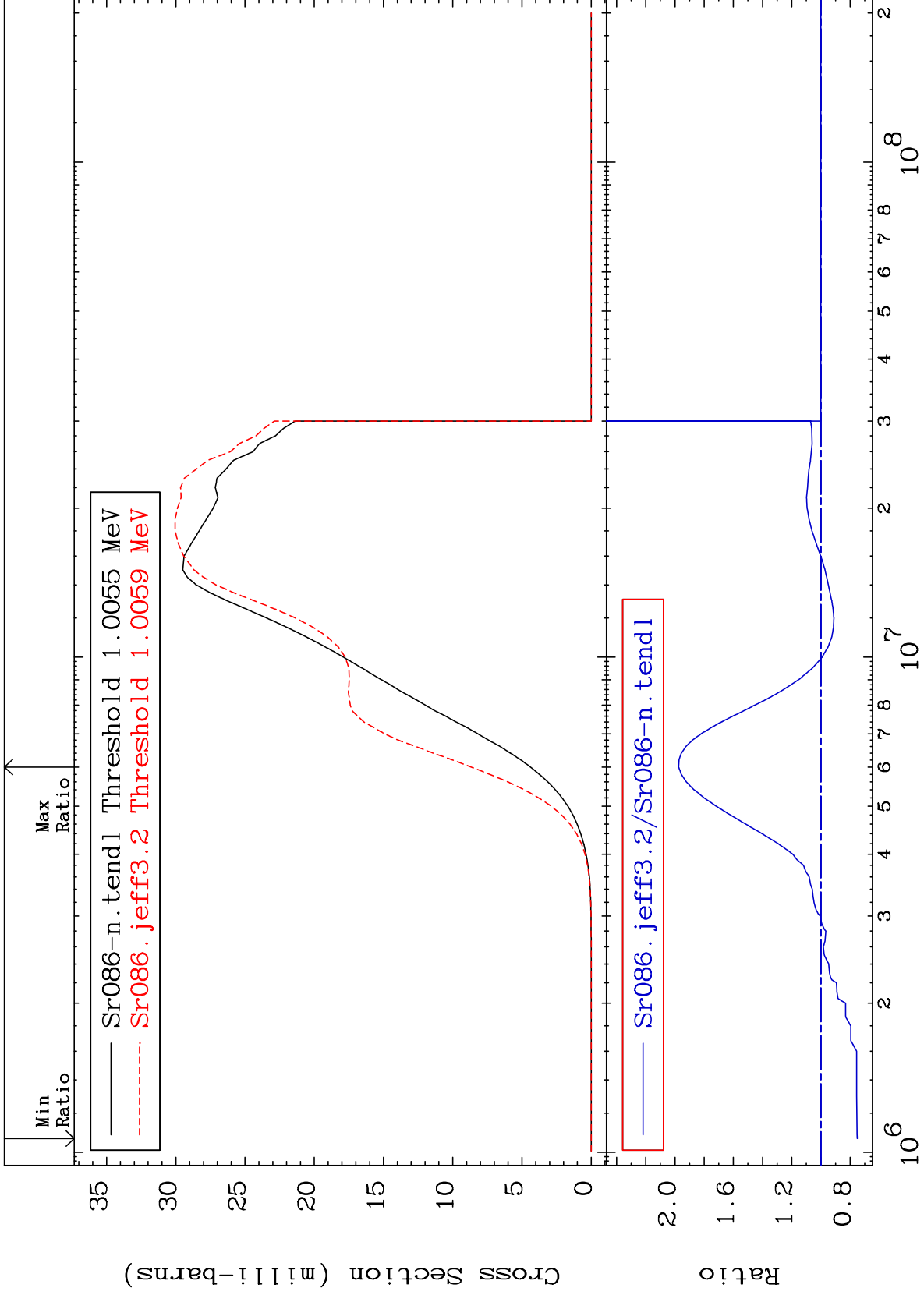
38-Sr-86

MAT 3831

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

38-Sr-86

Radionuclide Production Cross Section -24.86 To 97.48 %

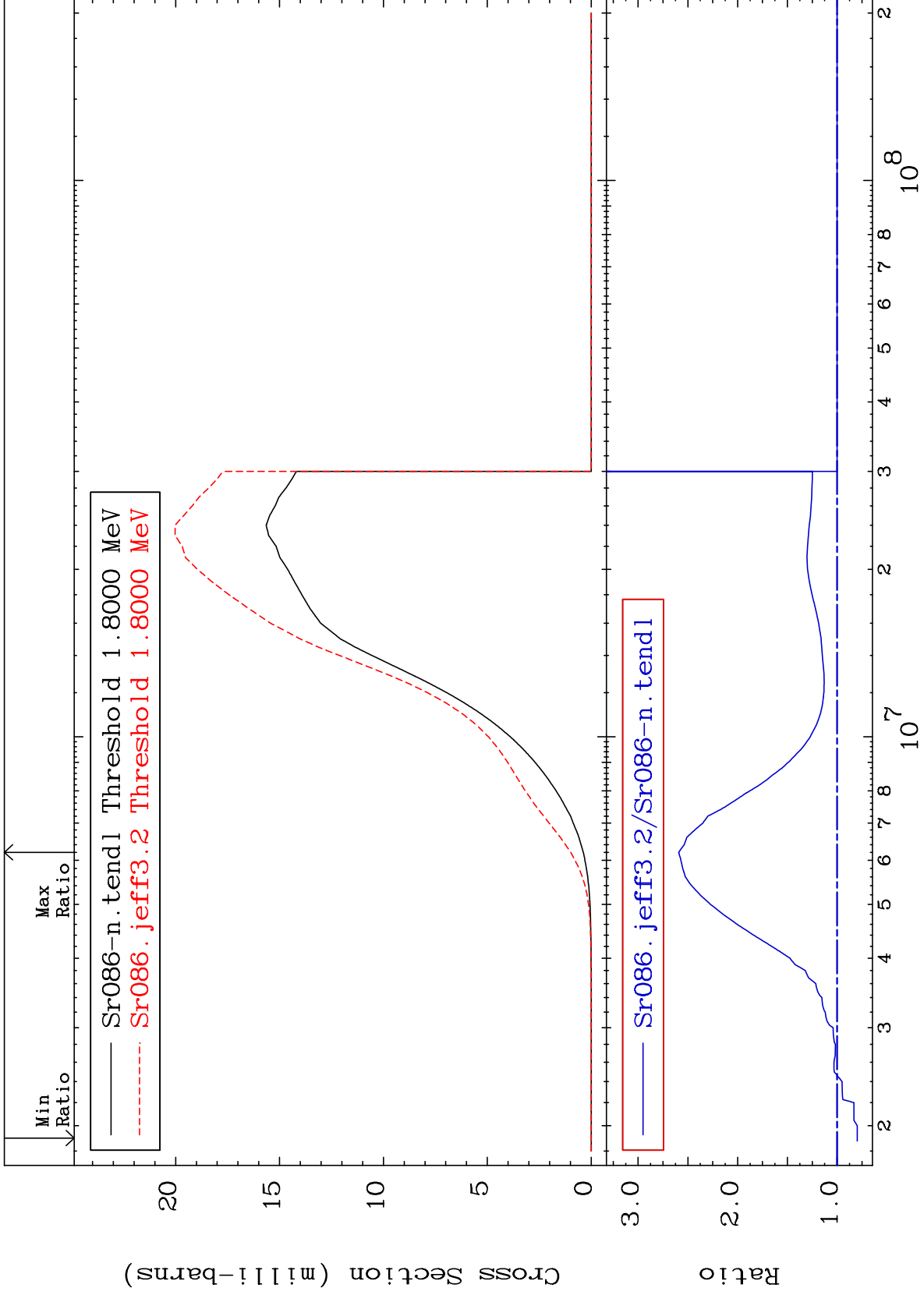


87

Incident Energy (eV)

38-Sr-86

Radionuclide Production Cross Section -20.22 To 159.3 %



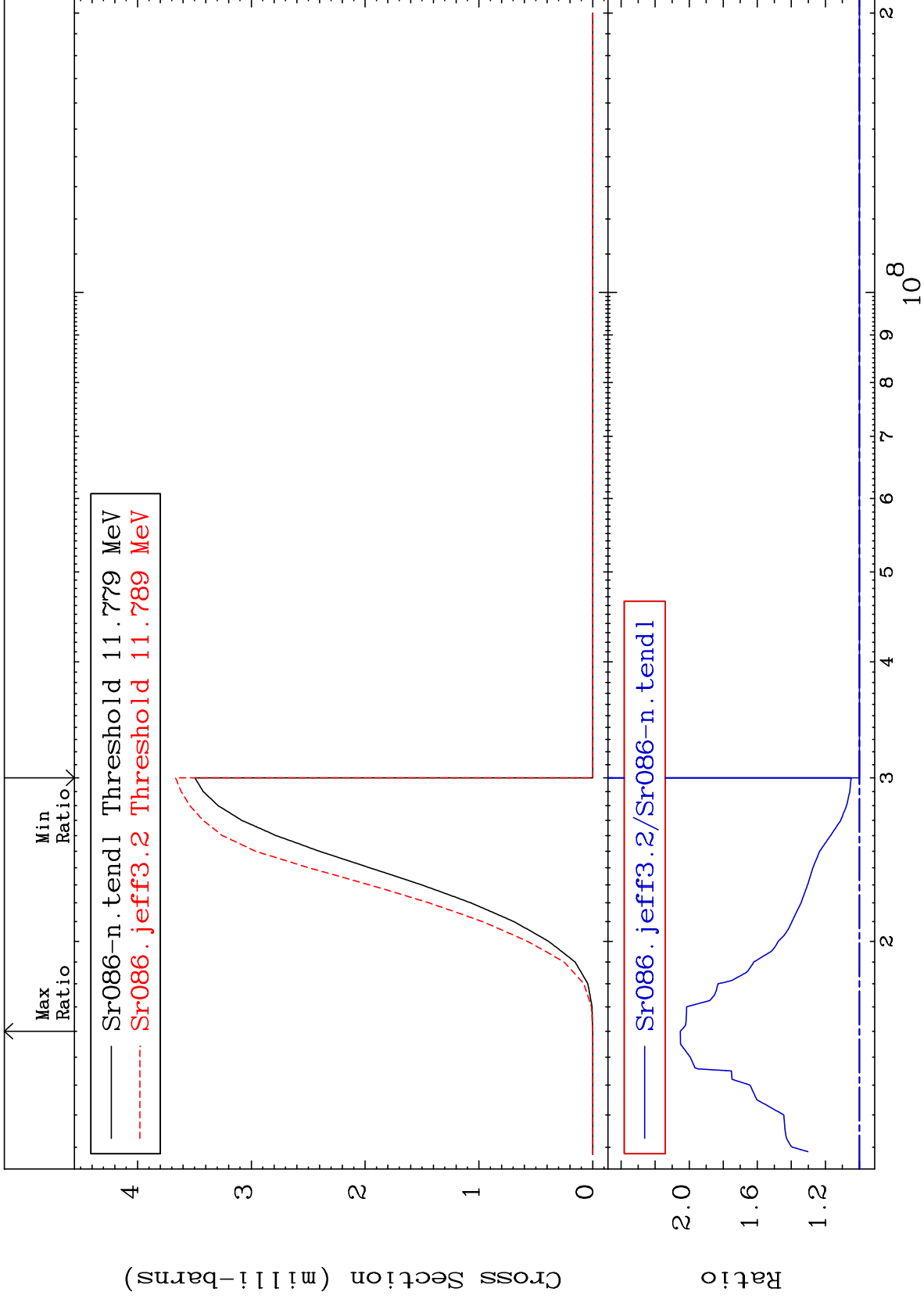


MAT 3831

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

38-Sr-86

Radionuclide Production Cross Section 0.000 To 105.2 %



89

Incident Energy (eV)

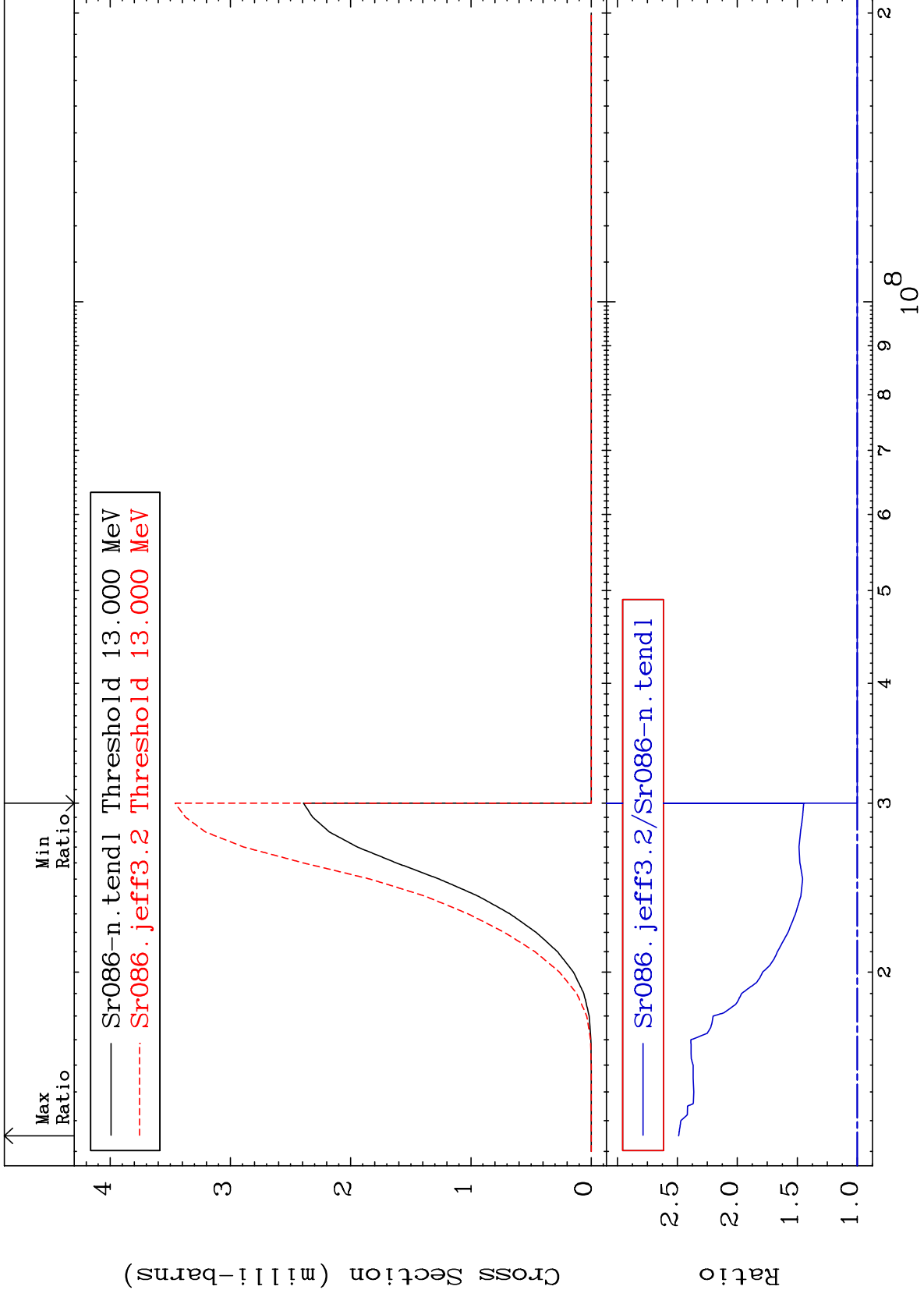
38-Sr-86

MAT 3831

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

38-Sr-86

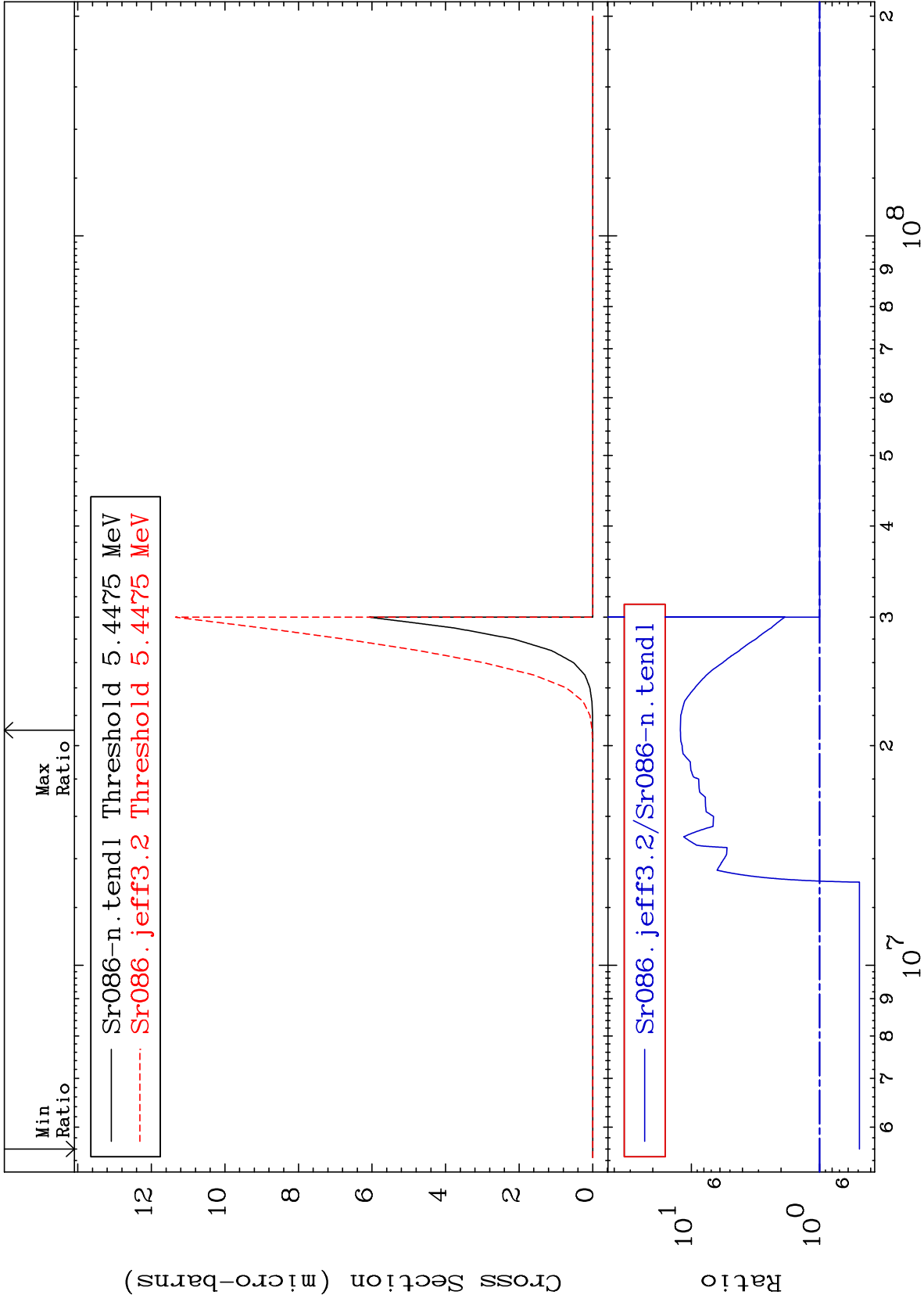
Radionuclide Production Cross Section 0.000 To 148.9 %



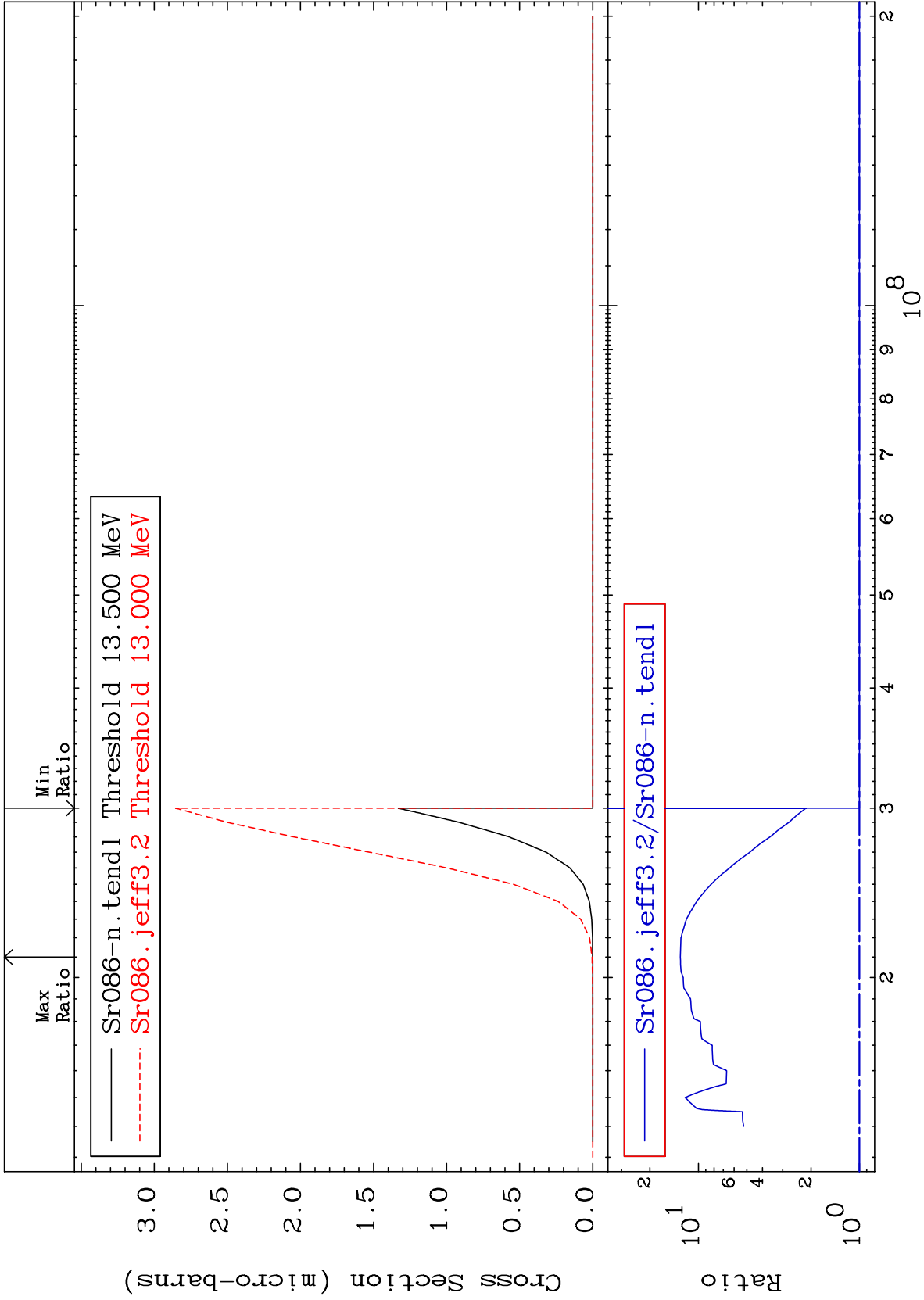
90

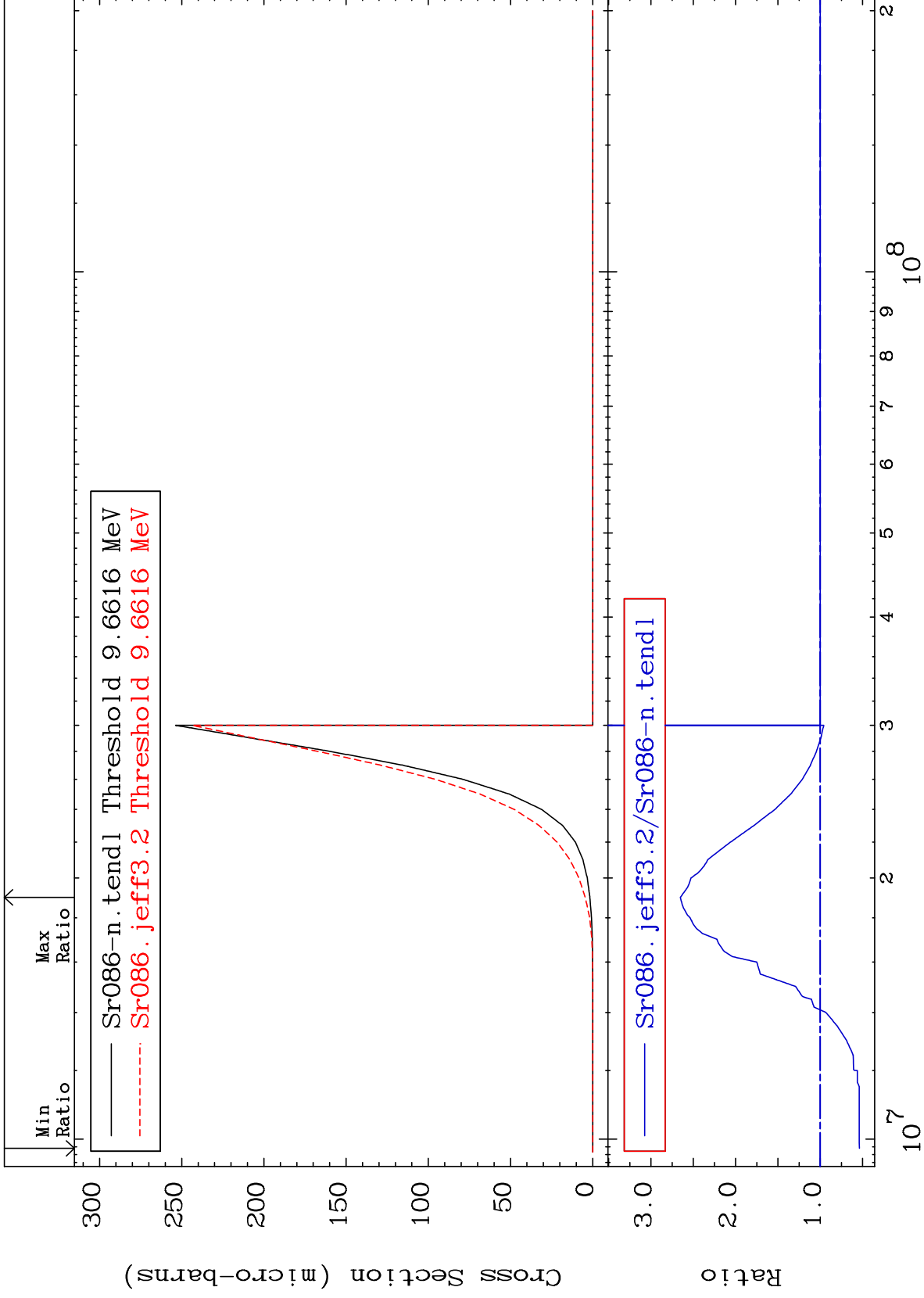
38-Sr-86

38-Sr-86

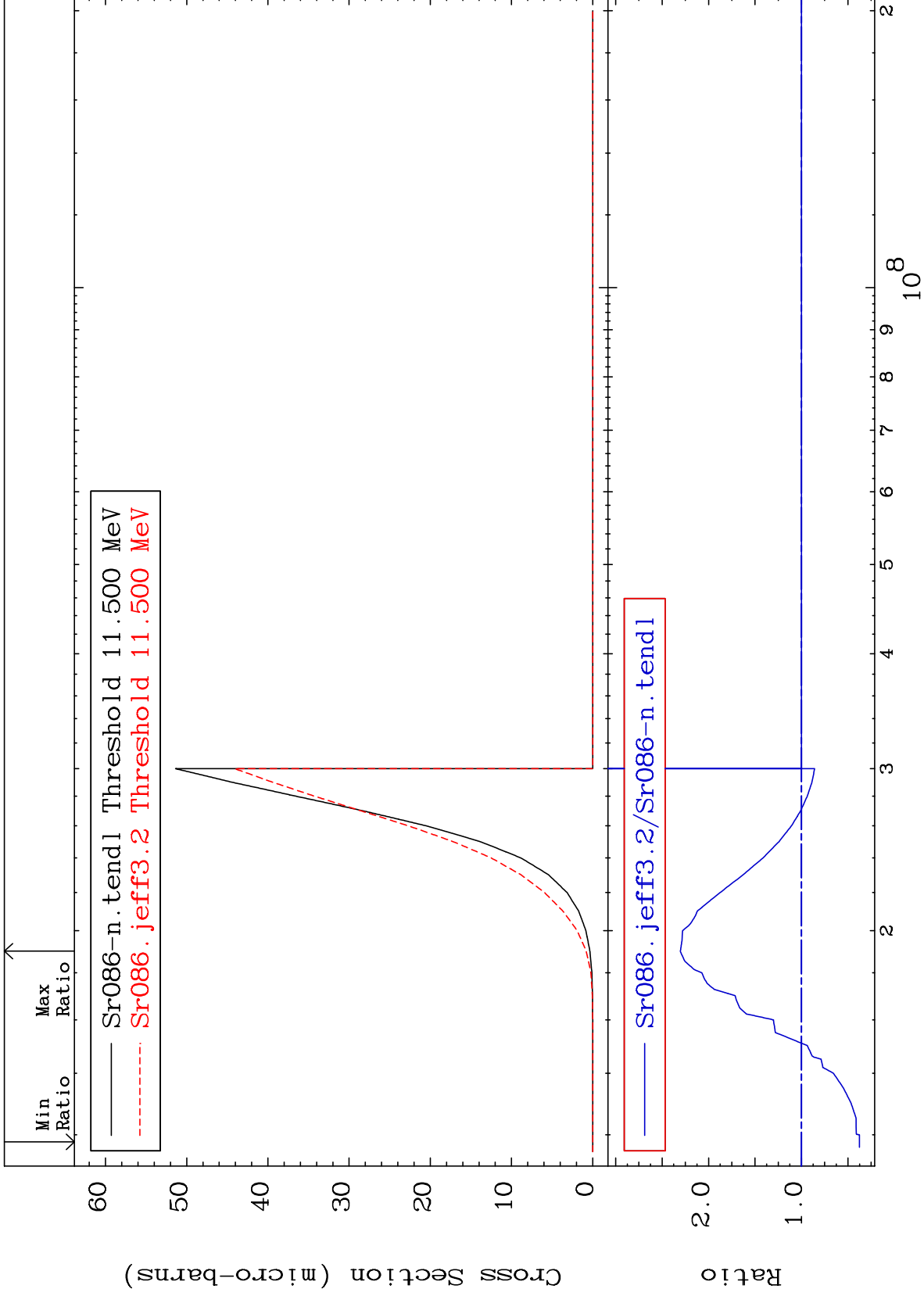


Radionuclide Production Cross Section 0.000 To 1195. %



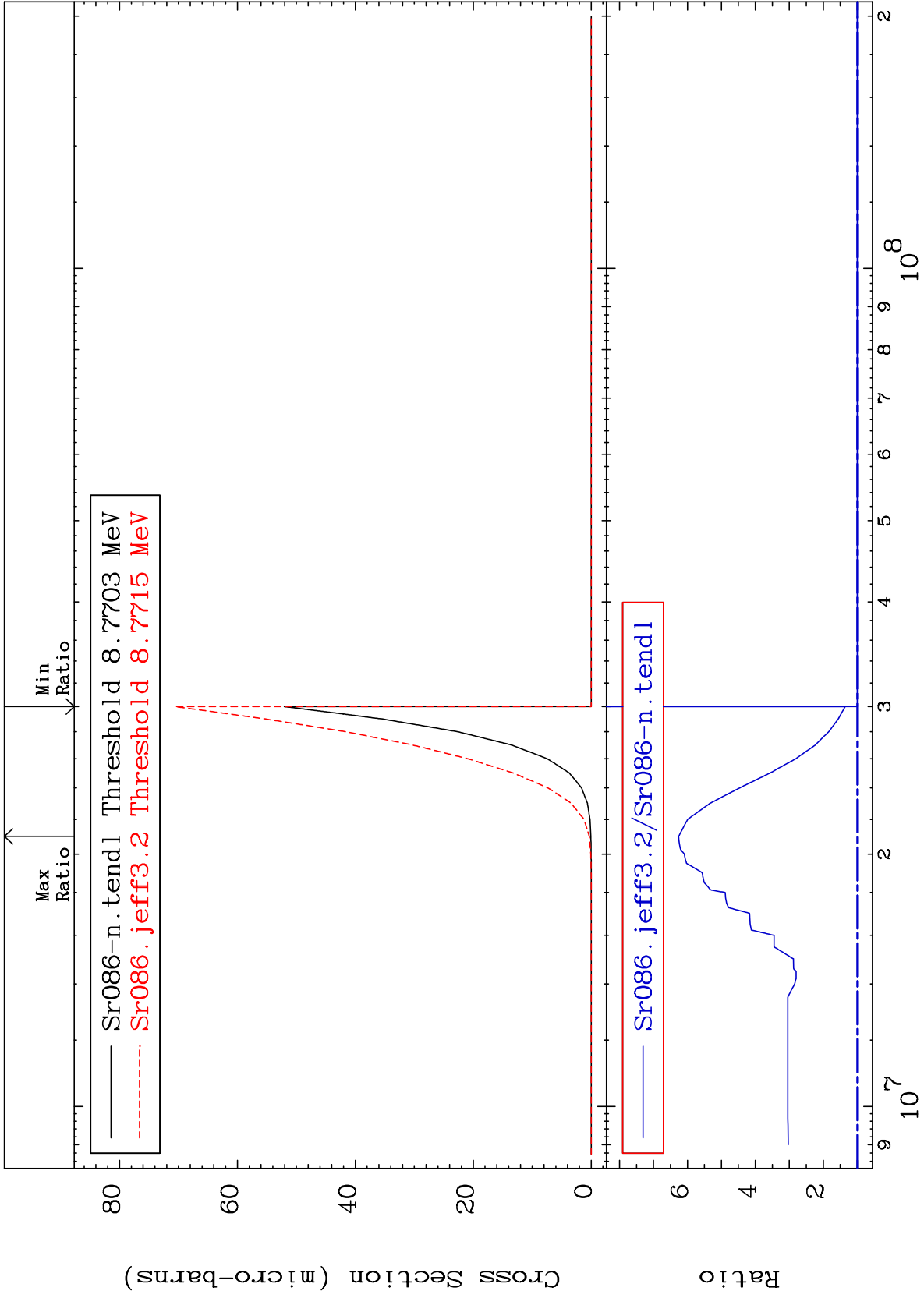


Radionuclide Production Cross Section -62.39 To 130.4 %



MAT 3831

(n, p)  $\alpha$ : 35-Br-82g 38-Sr-86  
Radionuclide Production Cross Section 0.000 To 525.9 %



95

Incident Energy (eV)

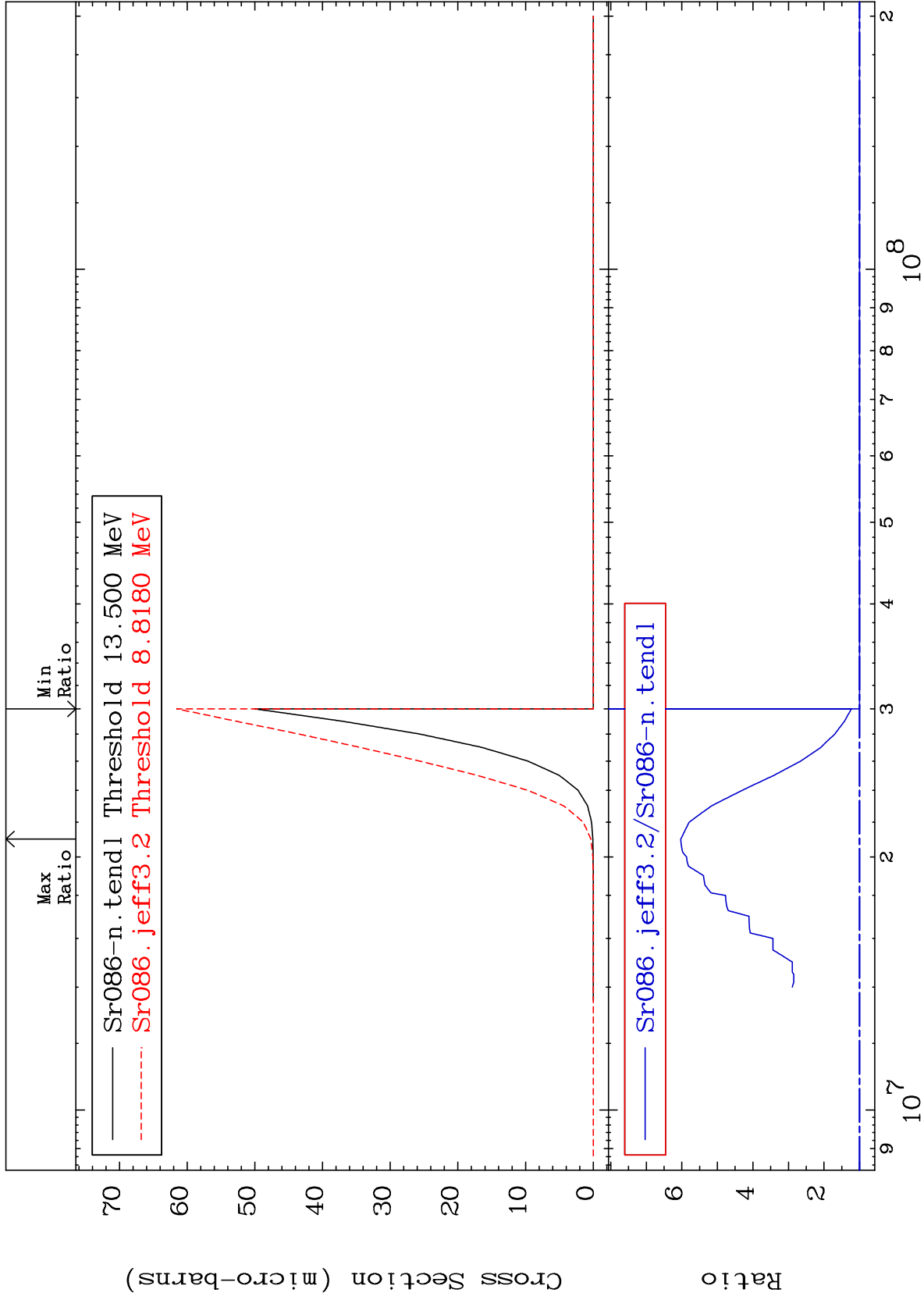
38-Sr-86

MAT 3831

(n, p)  $\alpha$ : 35-Br-82m1

38-Sr-86

Radionuclide Production Cross Section 0.000 To 503.0 %



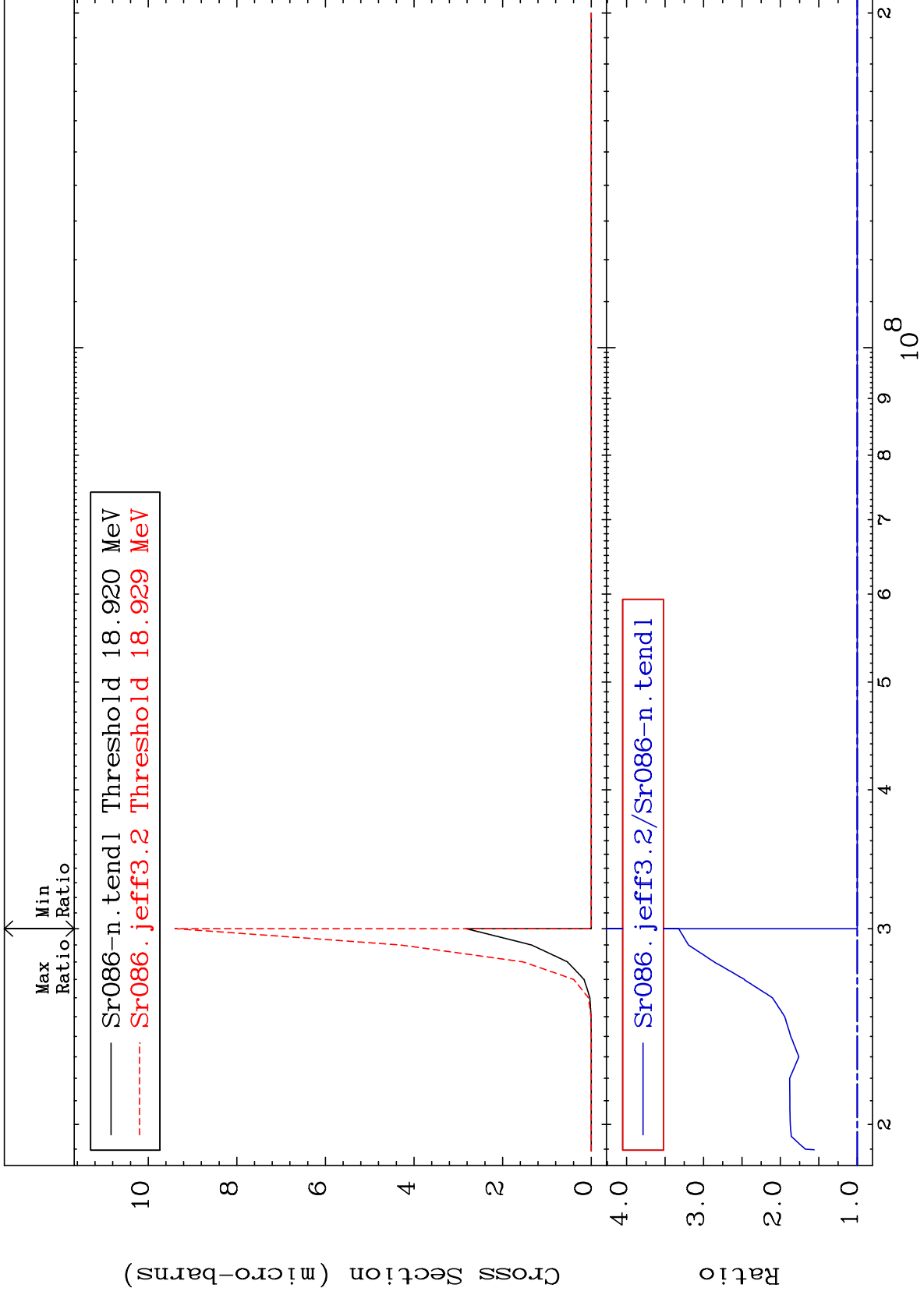
96

38-Sr-86

38-Sr-86



Radionuclide Production Cross Section 0.000 To 232.3 %



MAT 3831

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

38-Sr-86

Radionuclide Production Cross Section 0.000 To 253.5 %

