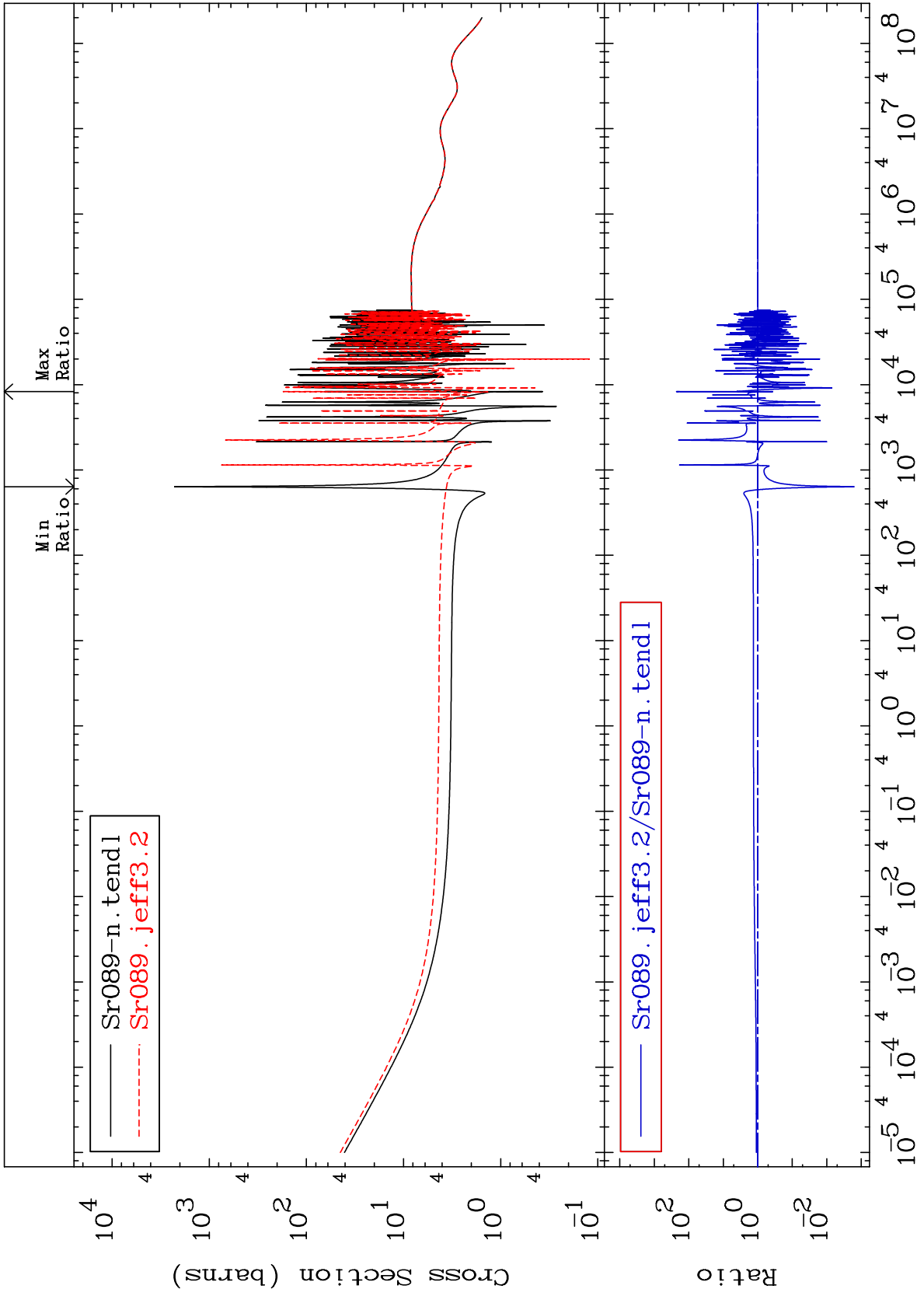


MAT 3840

Total
Cross Section

38-Sr-89
-99.84 To 9999. %



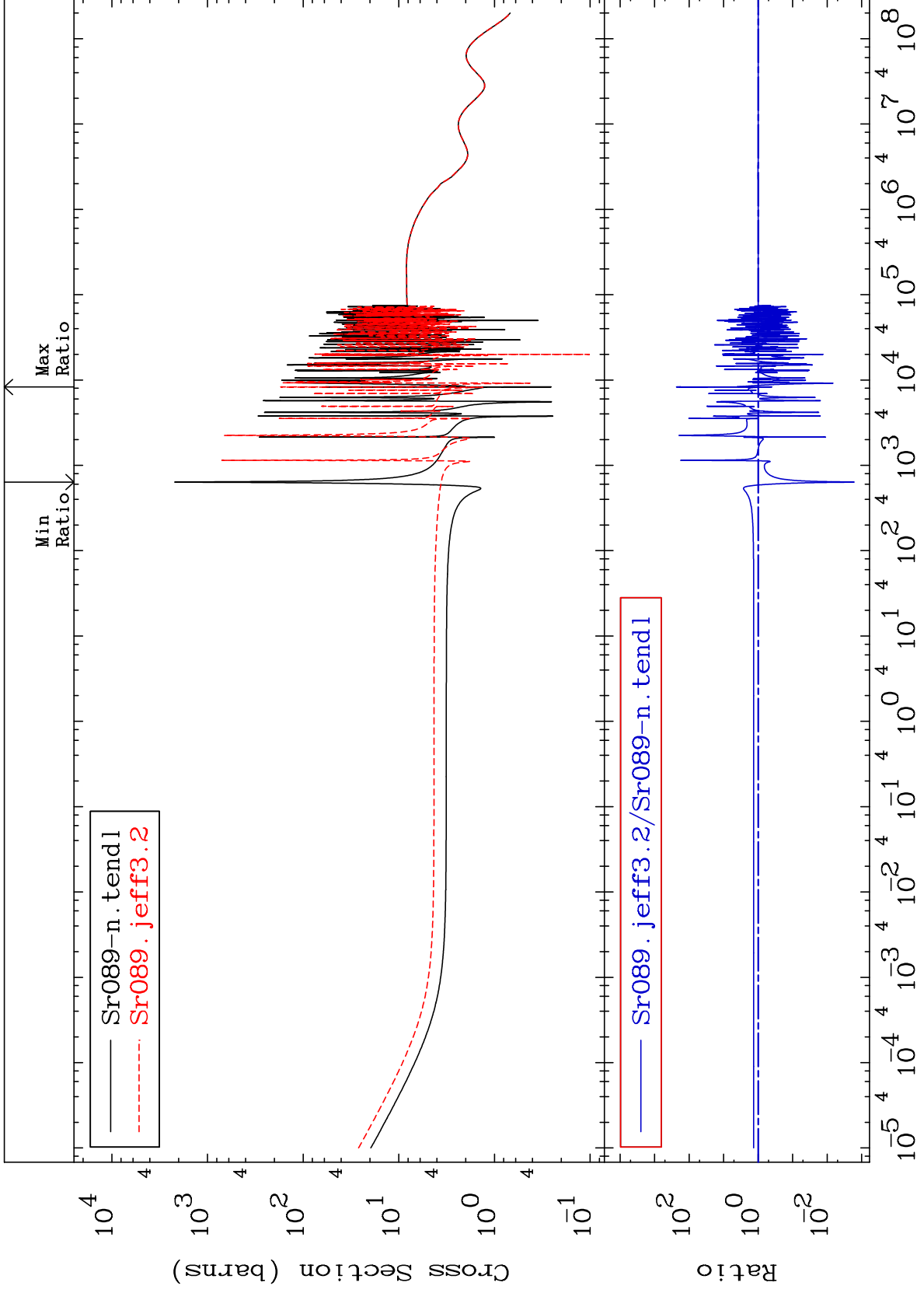
Incident Energy (eV)

38-Sr-89

MAT 3840

Elastic
Cross Section

38-Sr-89
-99.84 To 9999. %



2

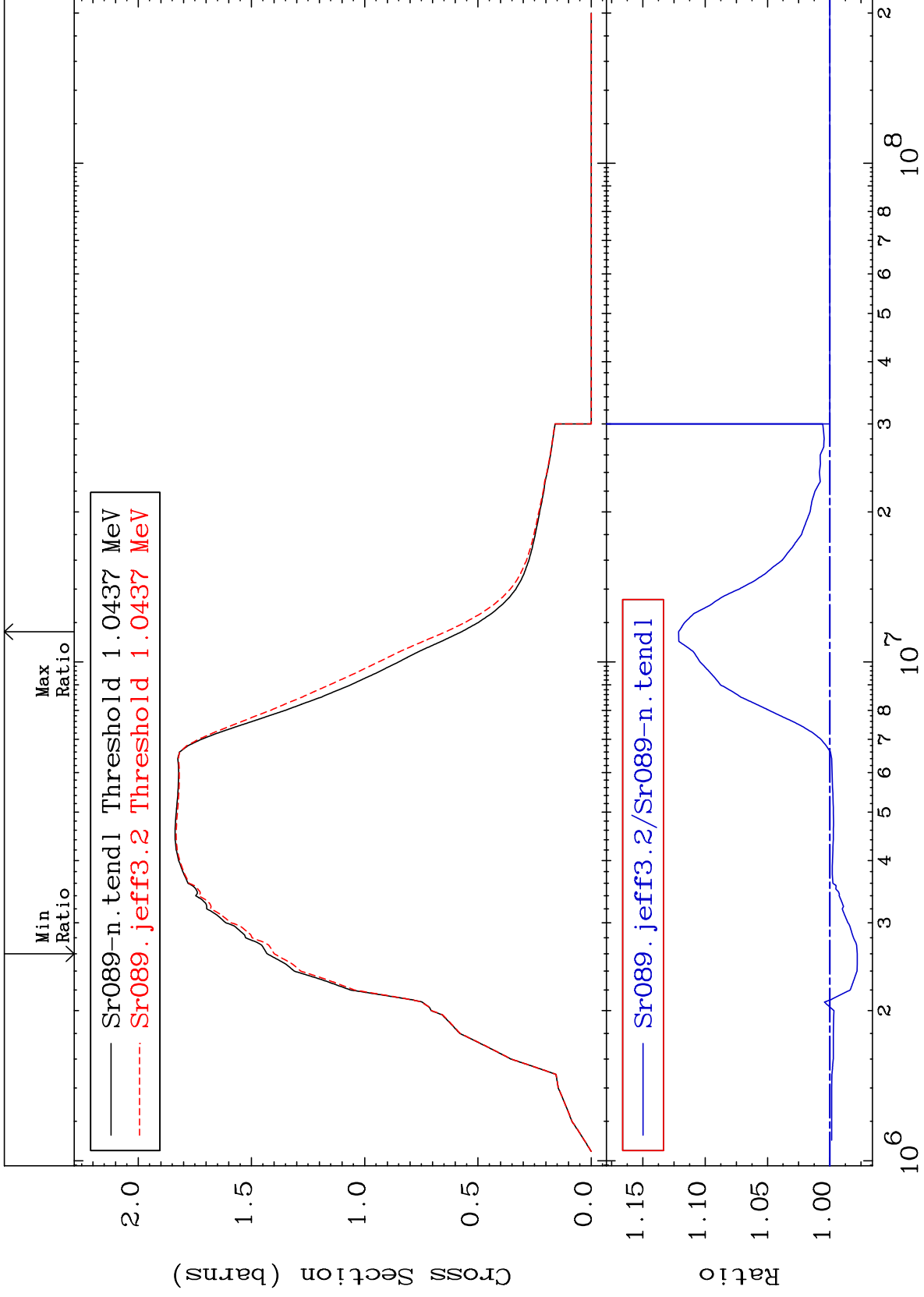
Incident Energy (eV)

38-Sr-89

MAT 3840

Inelastic
Cross Section

38-Sr-89
-2.196 To 12.13 %



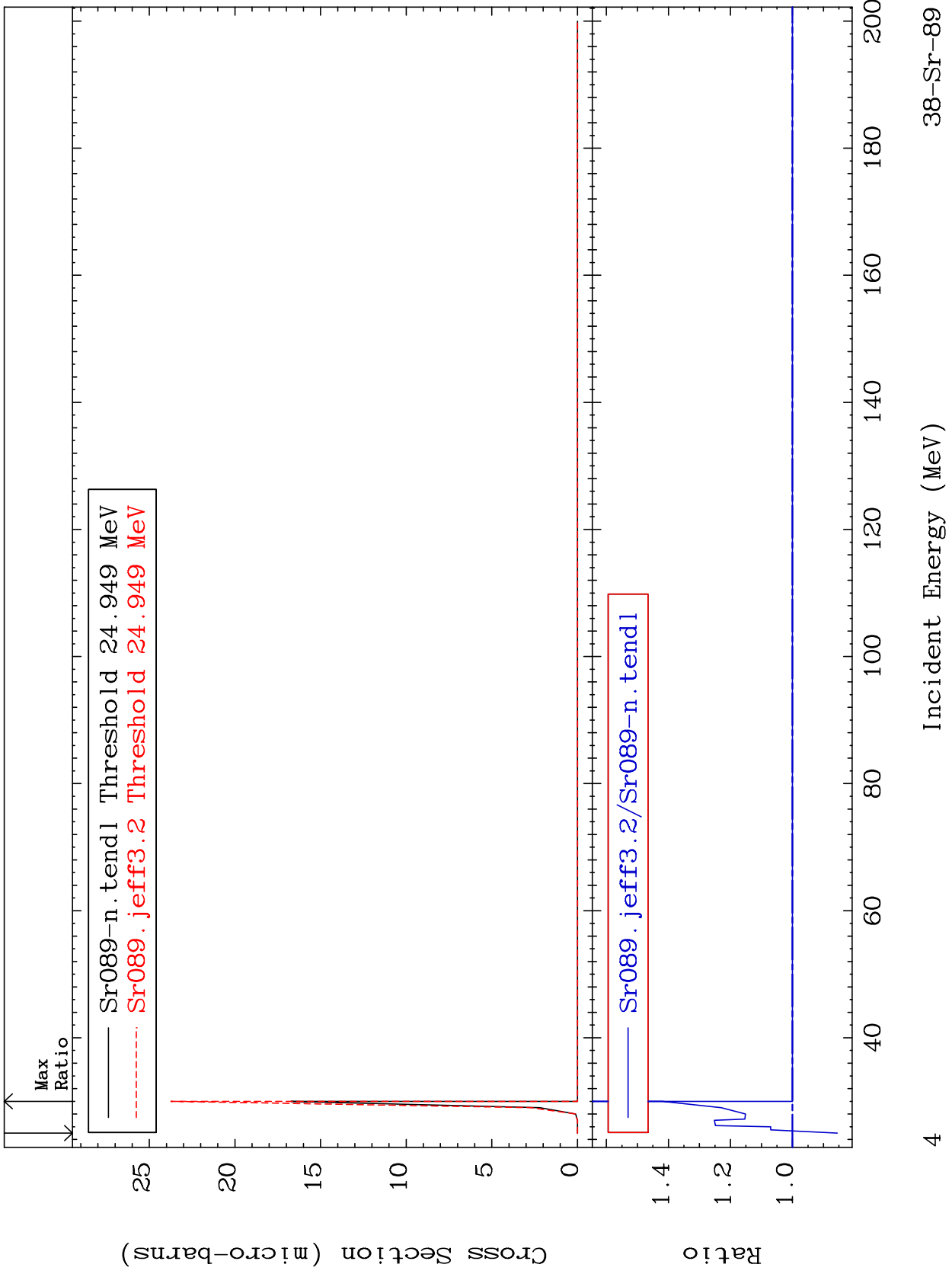
38-Sr-89

3

MAT 3840

(n,2n) d
Cross Section

³⁸Sr-89
-14.47 To 41.80 %



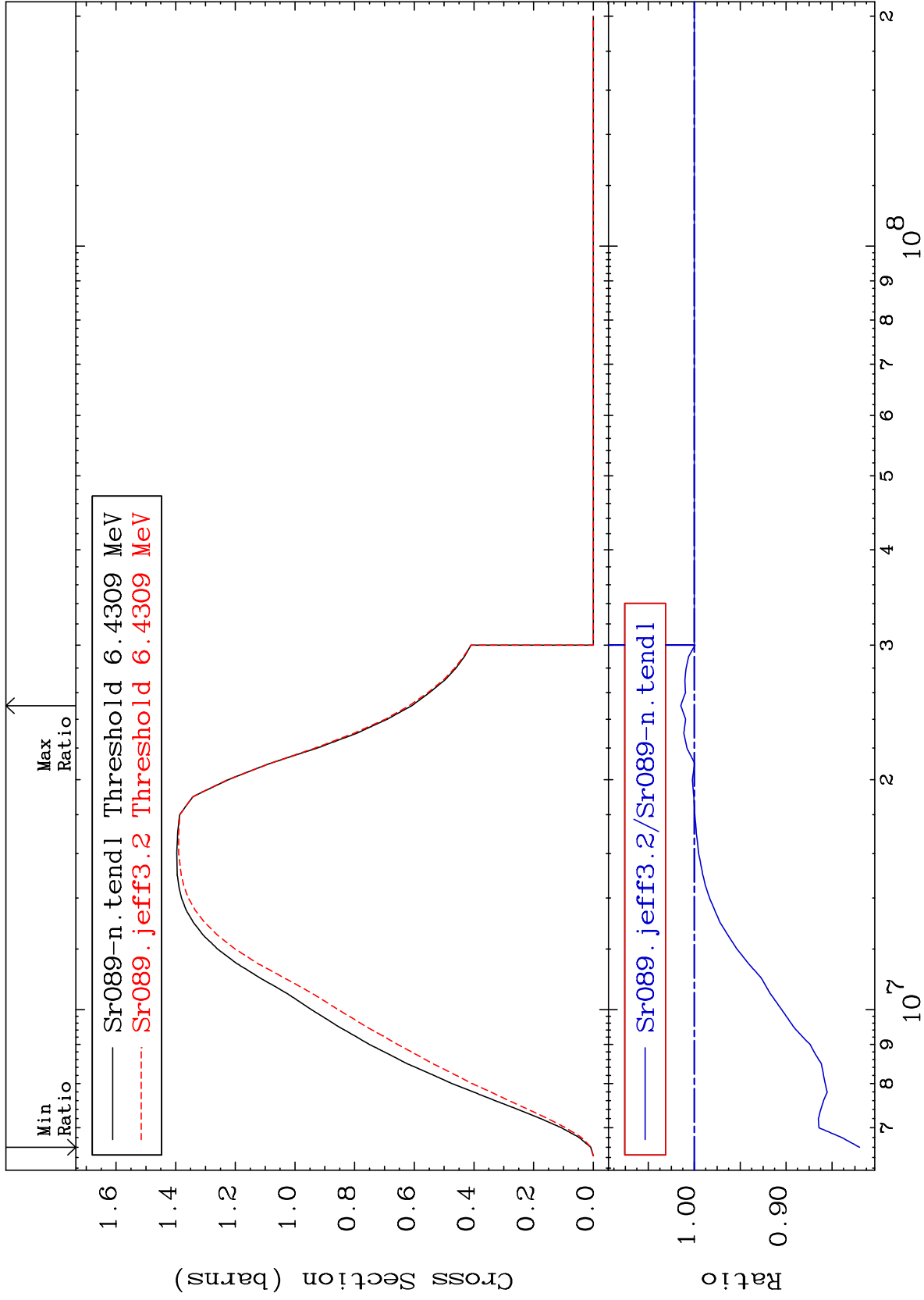
MAT 3840

(n,2n)

38-Sr-89

Cross Section

-18.00 To 1.469 %



5

Incident Energy (eV)

38-Sr-89

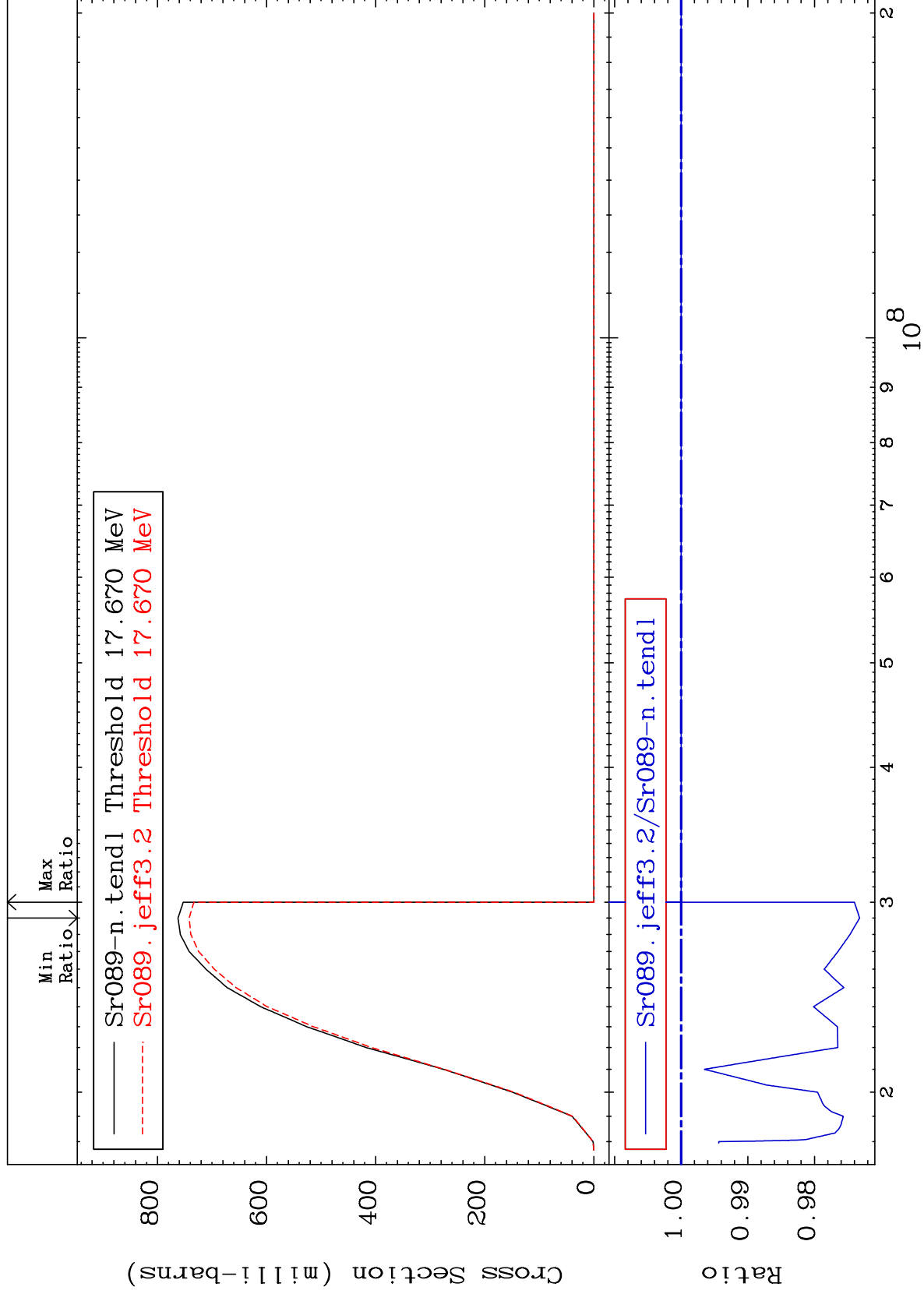
MAT 3840

(n,3n)

38-Sr-89

Cross Section

-2.678 To 0.000 %



6

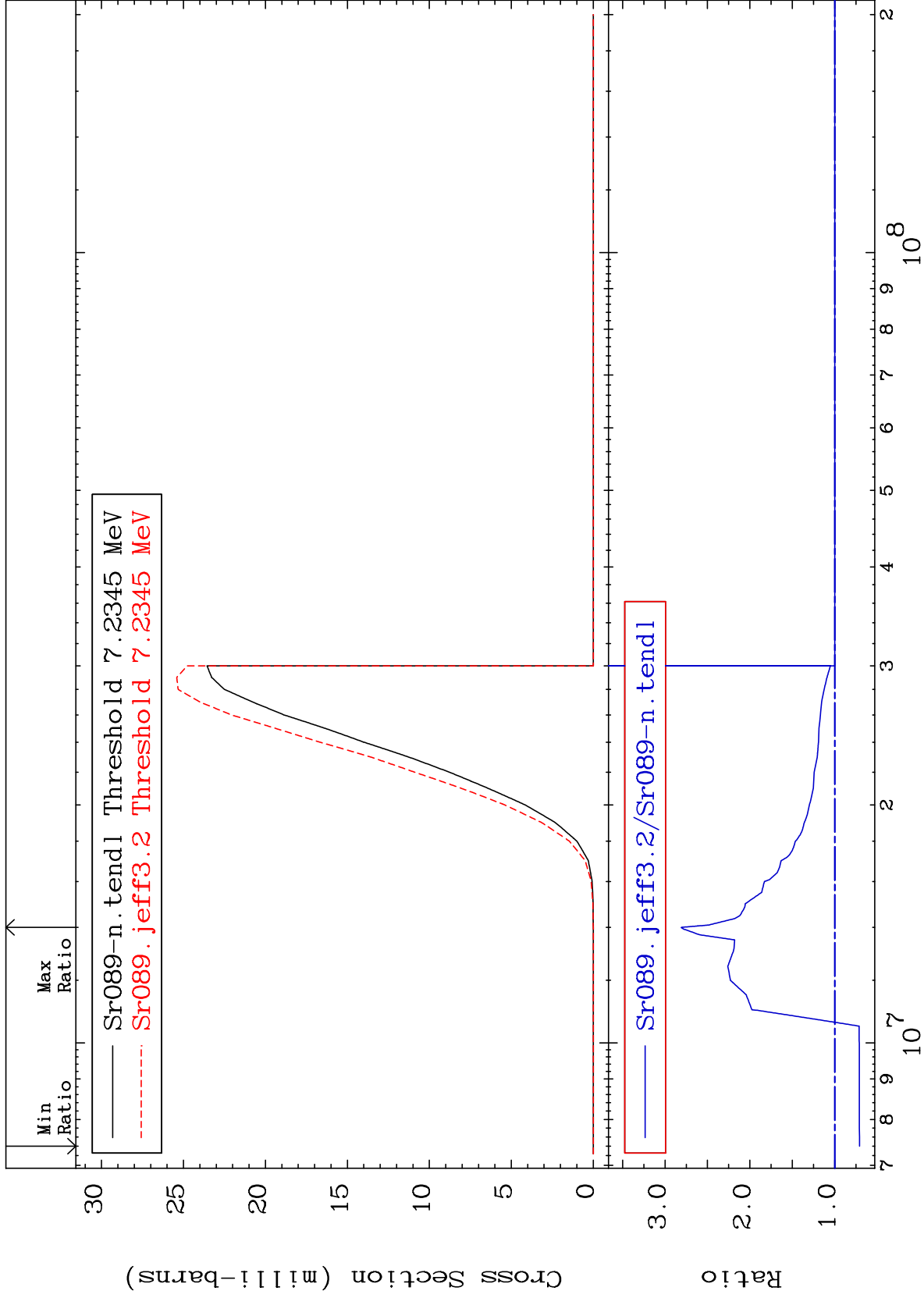
Incident Energy (eV)

38-Sr-89

MAT 3840

(n, n') α
Cross Section

38-Sr-89
-29.22 To 181.5 %



7

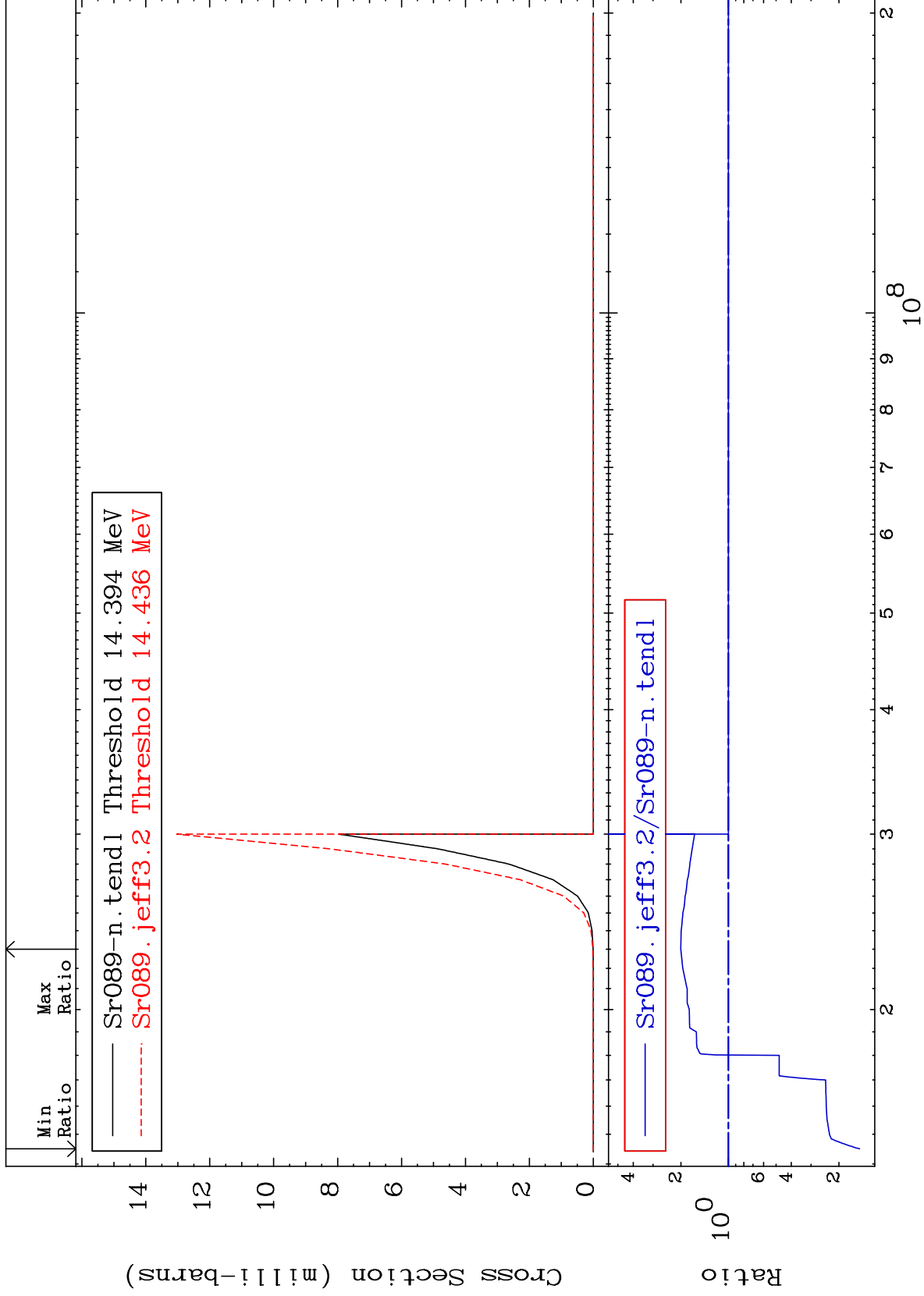
Incident Energy (eV)

38-Sr-89

MAT 3840

(n,2n) α
Cross Section

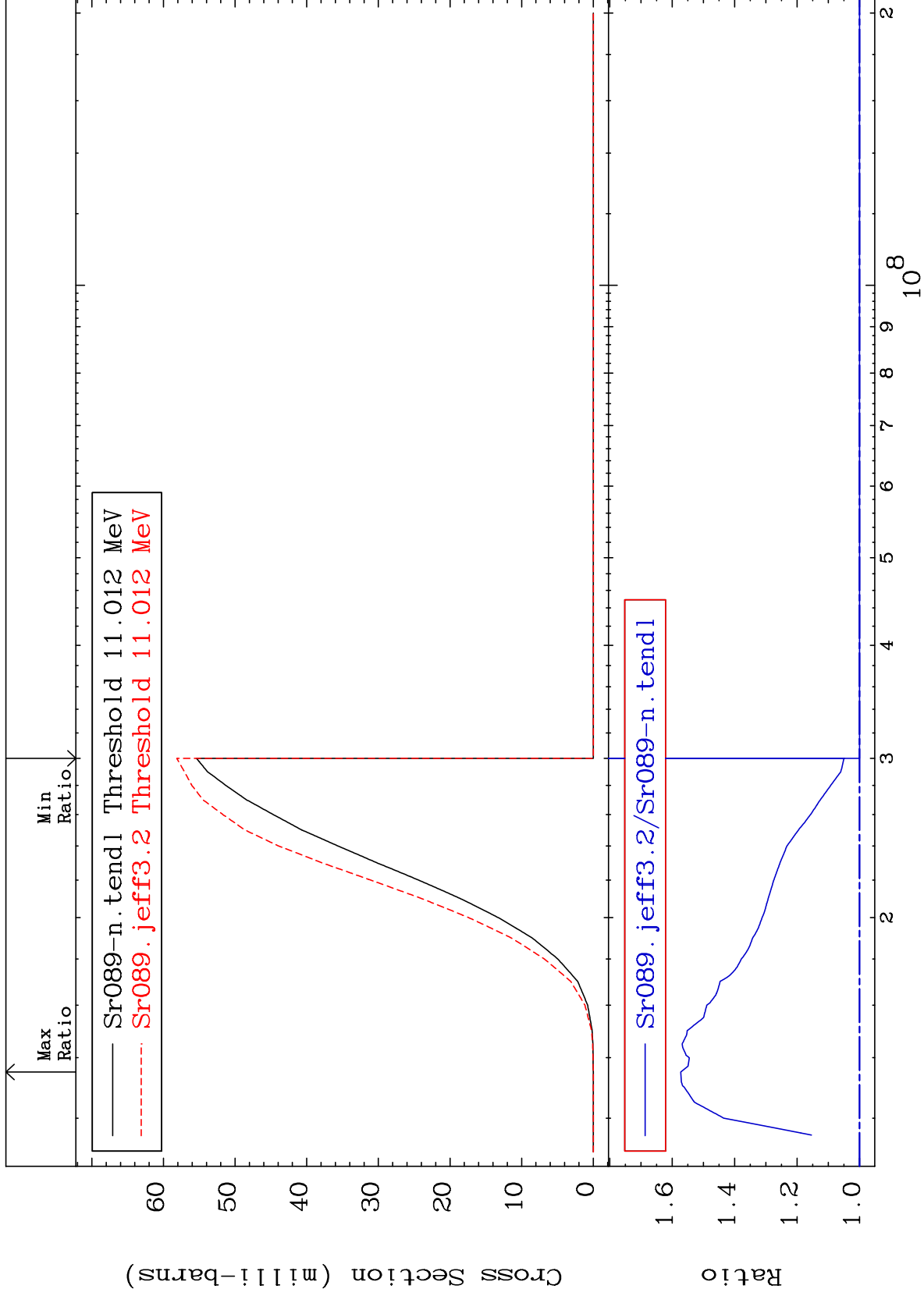
38-Sr-89
-85.18 To 100.3 %



MAT 3840

(n,n') p
Cross Section

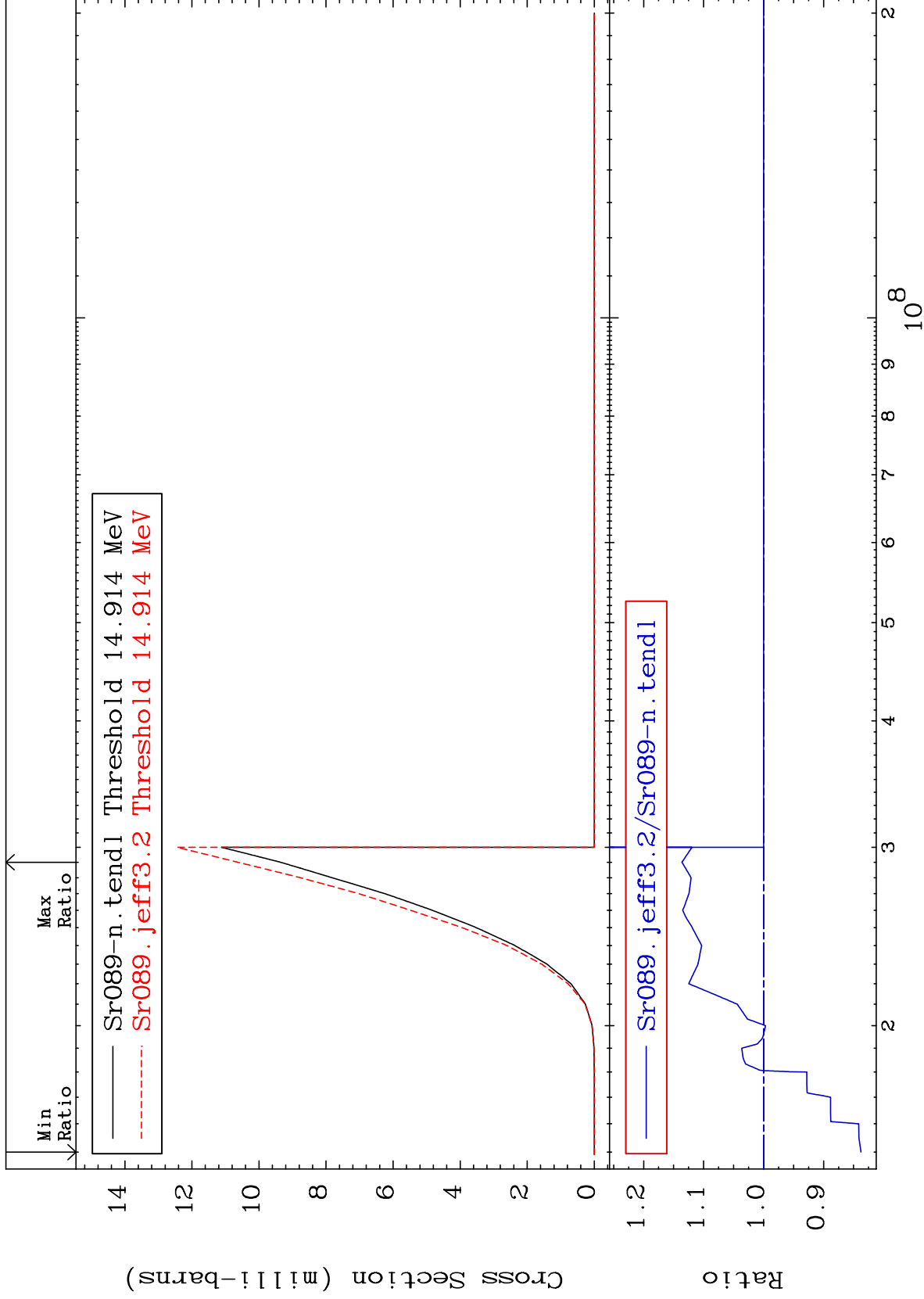
38-Sr-89
0.000 To 57.24 %



MAT 3840

(n,n') d
Cross Section

38-Sr-89
-16.24 To 13.62 %



10

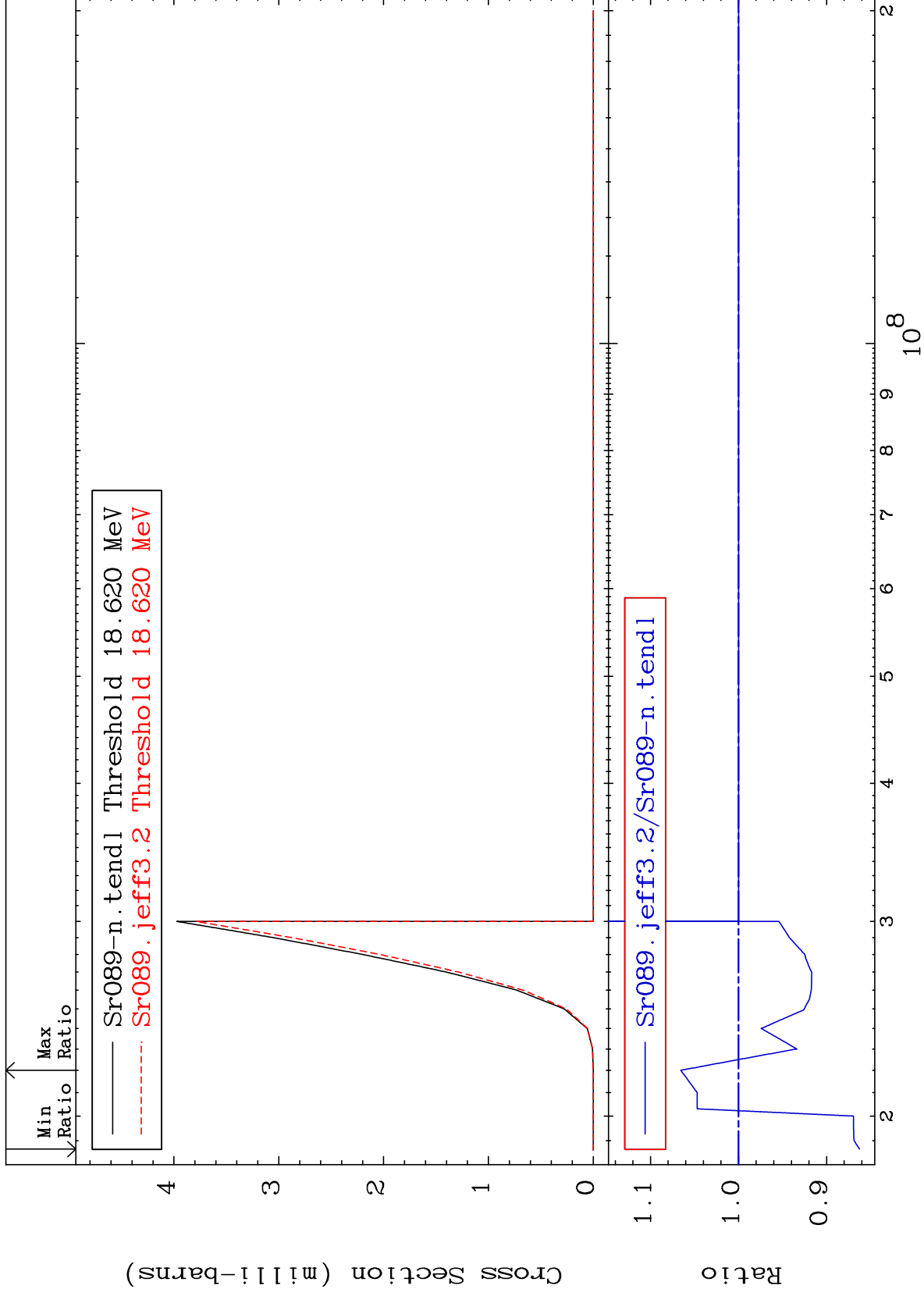
Incident Energy (eV)

38-Sr-89

MAT 3840

(n,n') t
Cross Section

38-Sr-89
-13.74 To 6.562 %



11

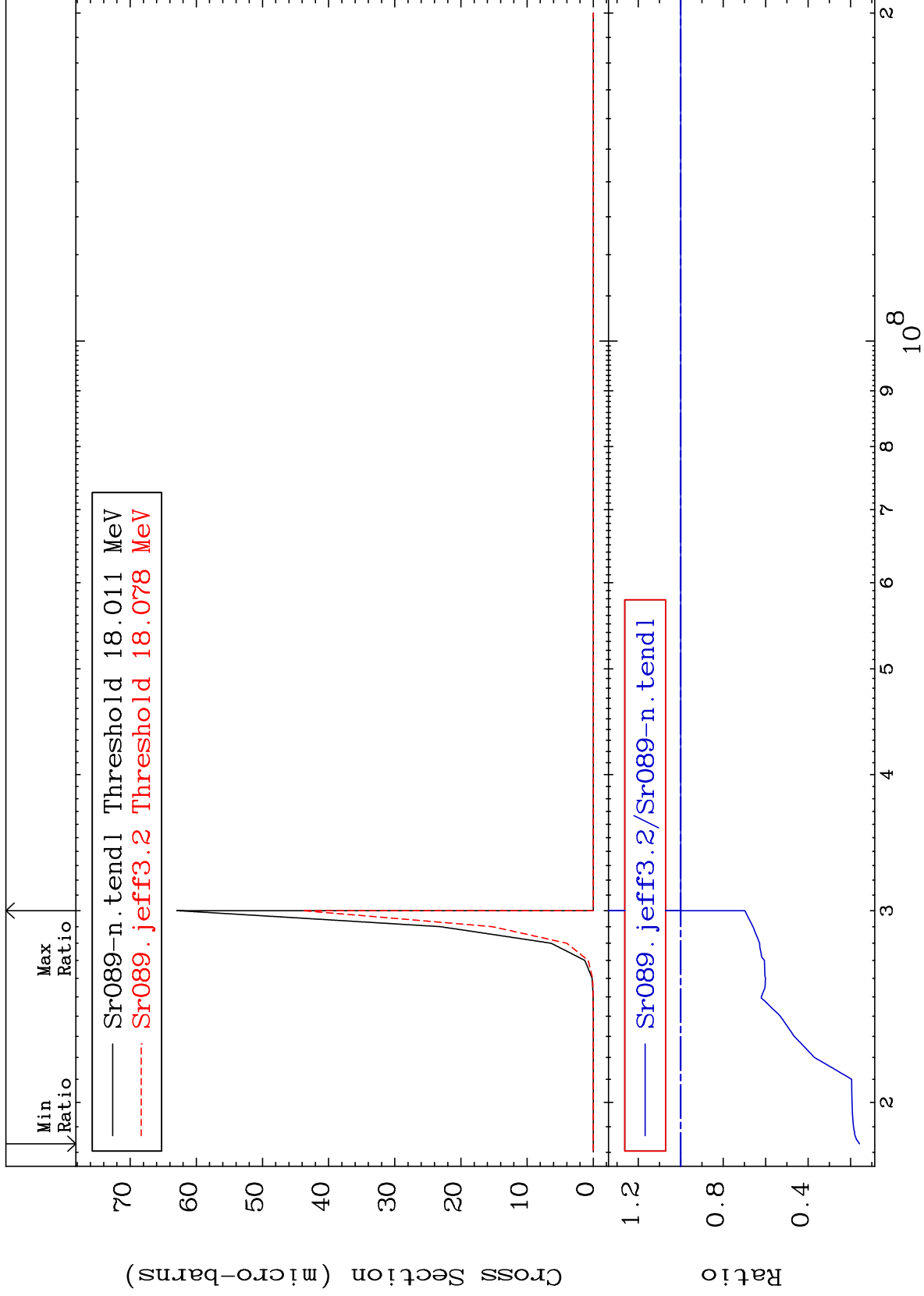
Incident Energy (eV)

38-Sr-89

MAT 3840

(n, n') He-3
Cross Section

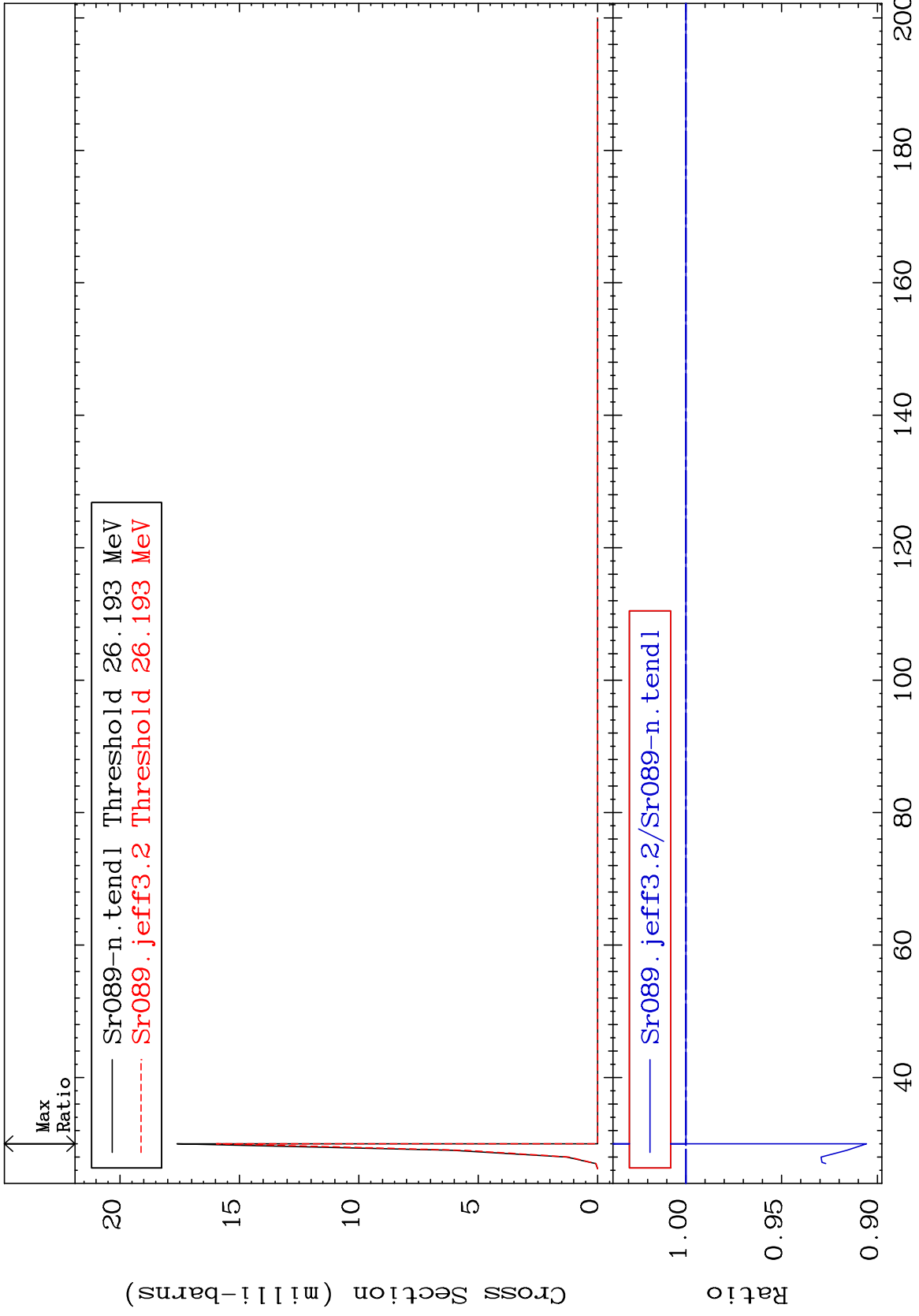
38-Sr-89
-84.20 To 0.000 %



MAT 3840

(n,4n)
Cross Section

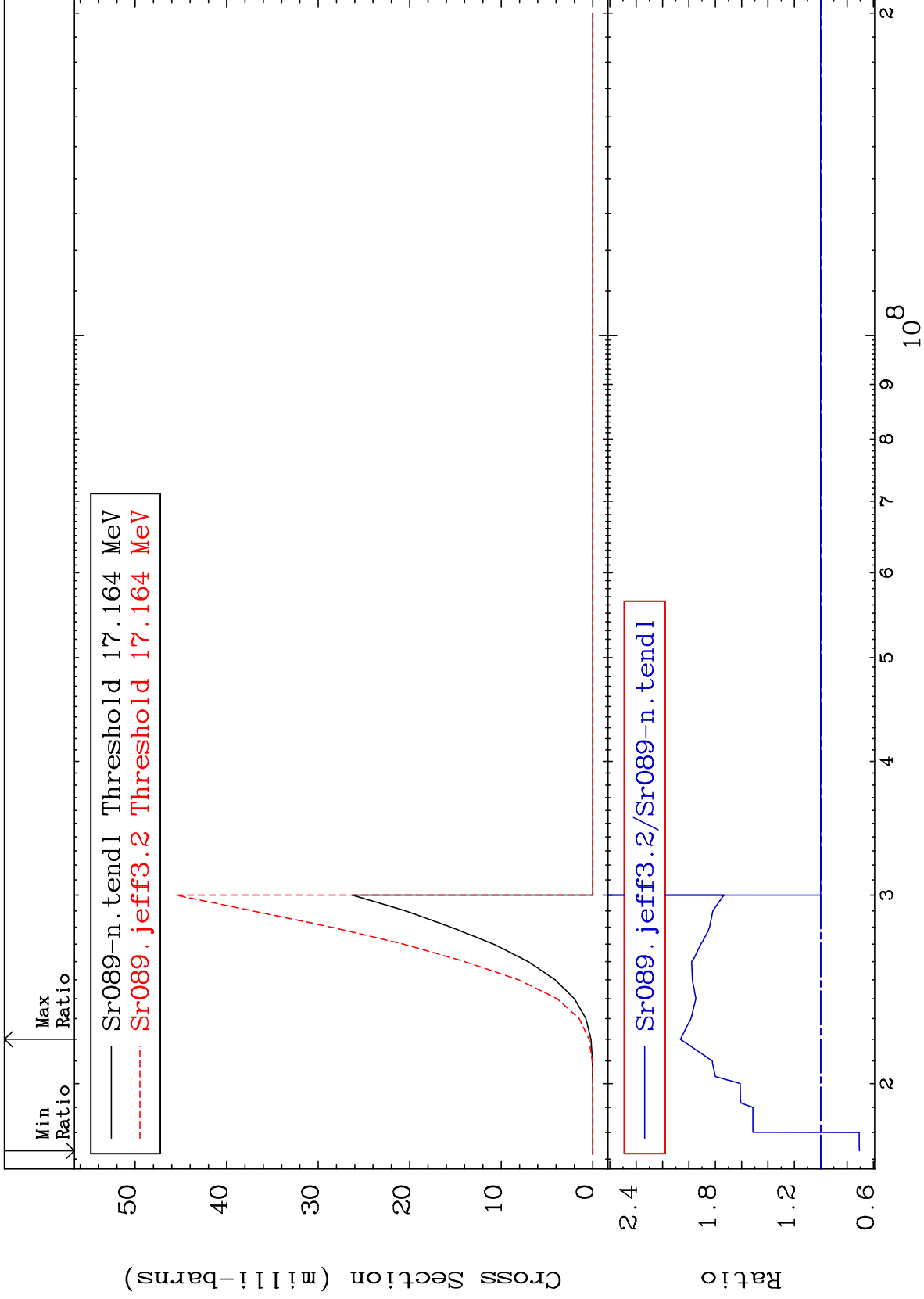
38-Sr-89
-9.433 To 0.000 %



MAT 3840

(n,2n) p
Cross Section

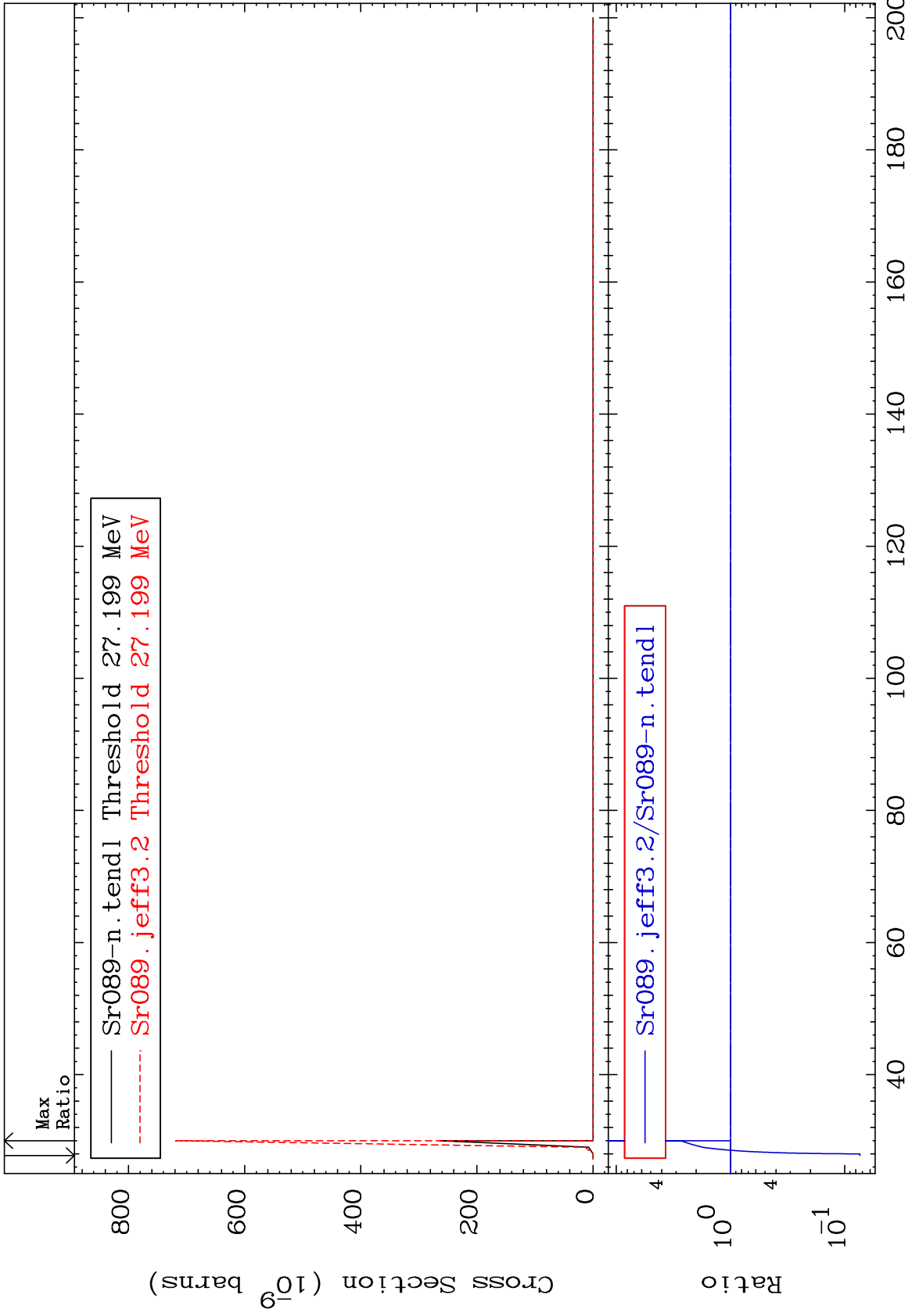
38-Sr-89
-29.40 To 106.5 %



MAT 3840

(n,3n) p
Cross Section

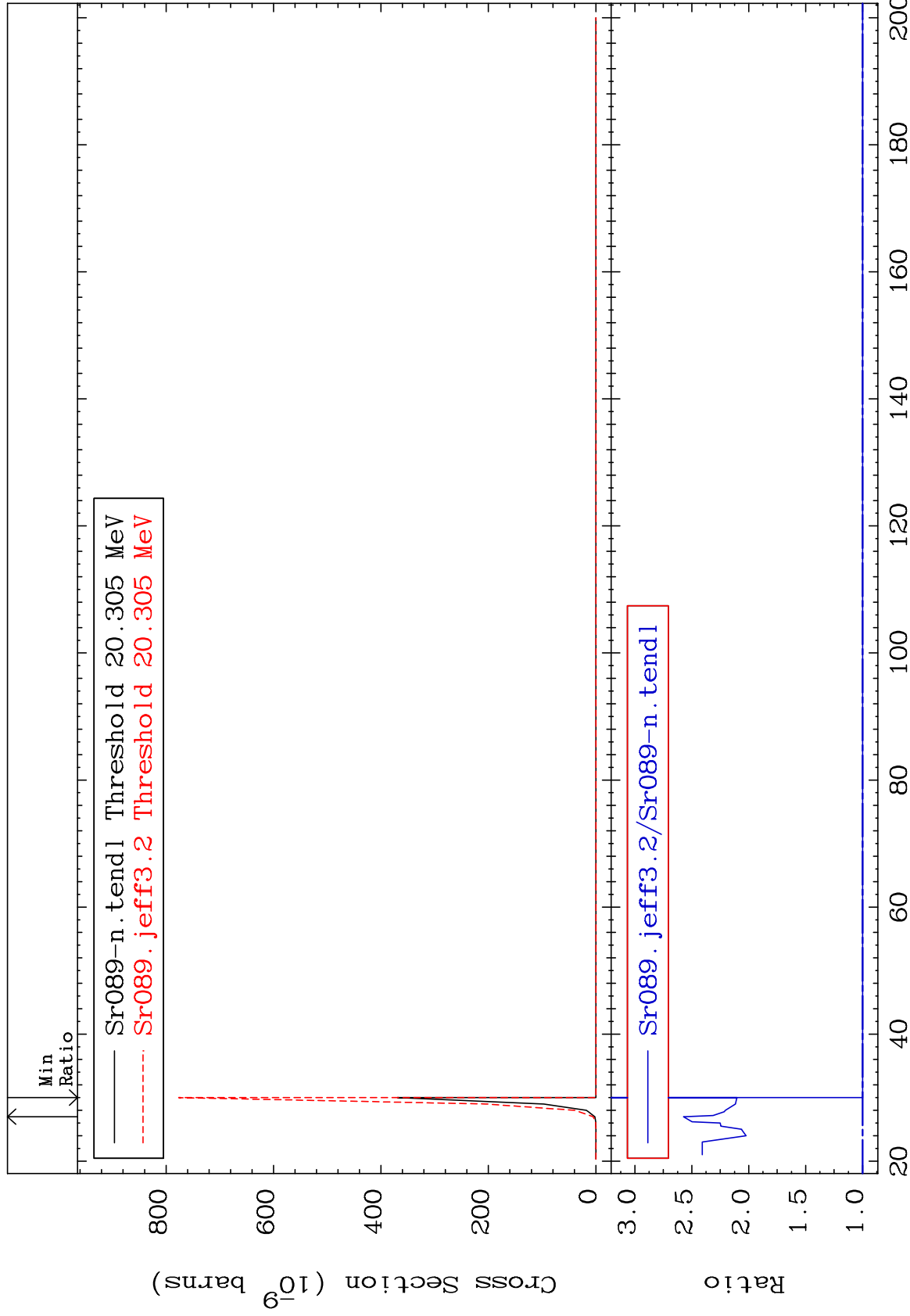
³⁸Sr-89
-92.63 To 172.7 %



MAT 3840

(n,2n) p
Cross Section

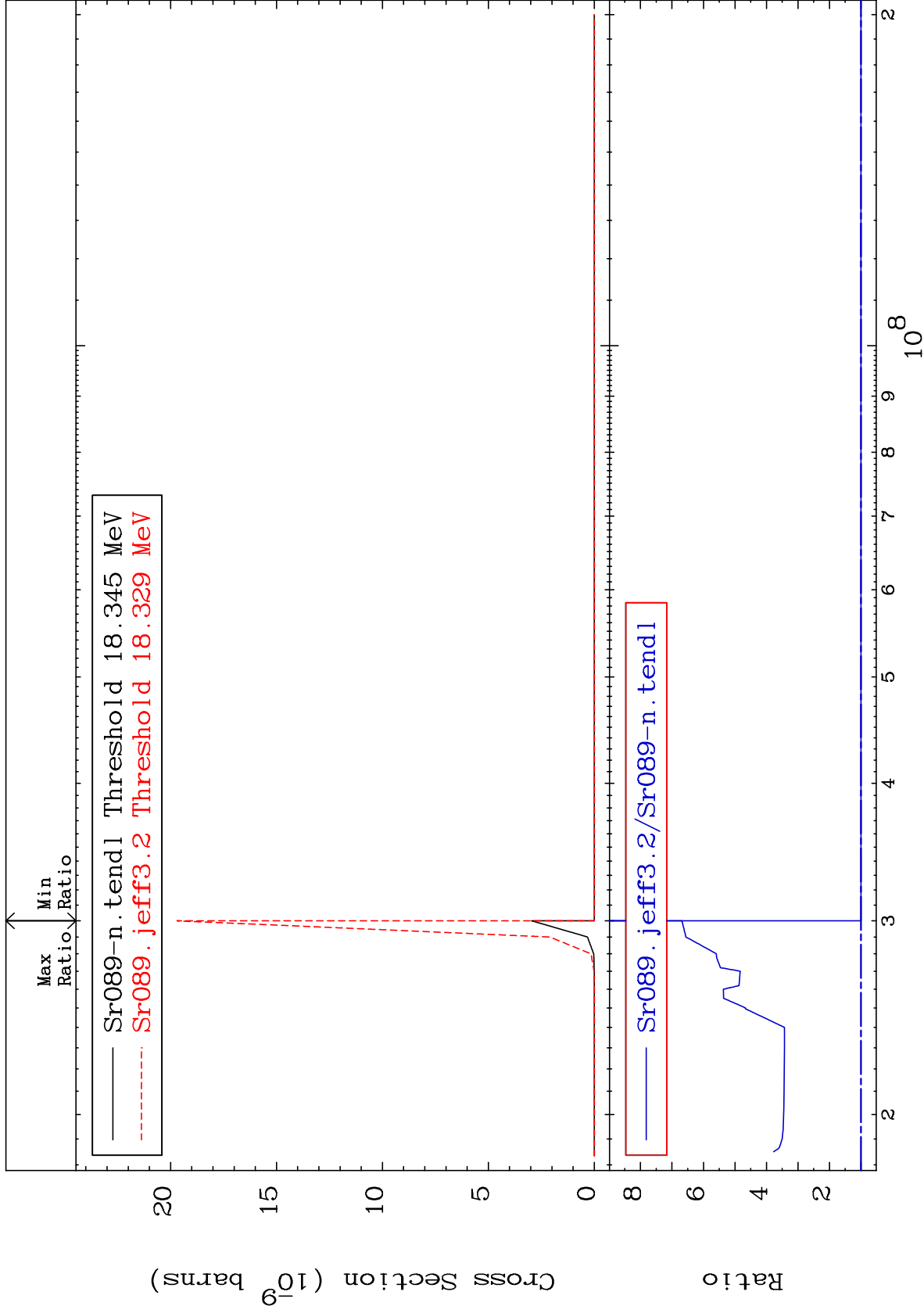
³⁸Sr-89
0.000 To 157.3 %



MAT 3840

(n,n') p α
Cross Section

38-Sr-89
0.000 To 568.4 %



17

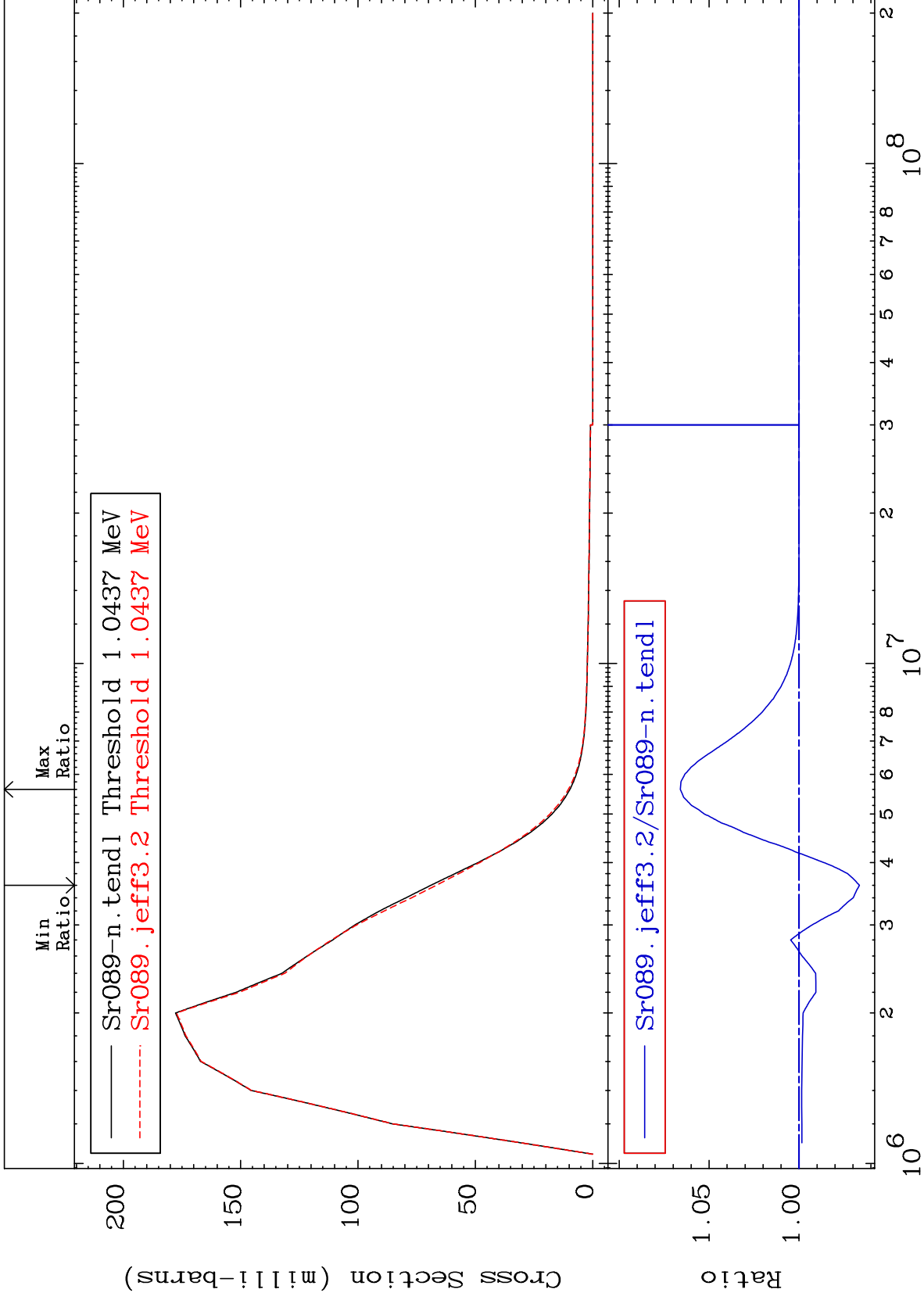
Incident Energy (eV)

38-Sr-89

MAT 3840

1.032 MeV (n,n') Level
Cross Section

38-Sr-89
-3.358 To 6.599 %



18

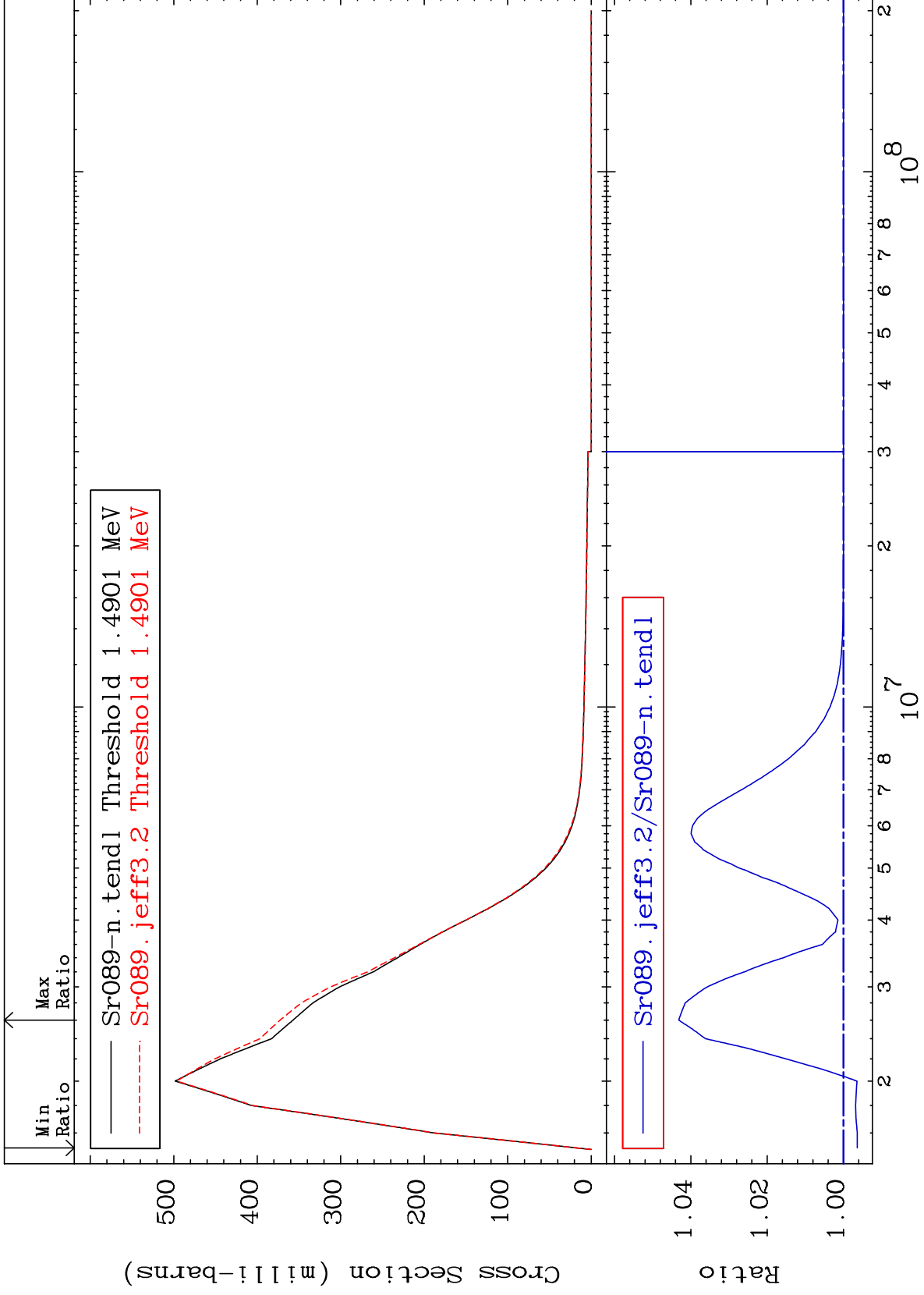
Incident Energy (eV)

38-Sr-89

MAT 3840

1.473 MeV (n,n') Level
Cross Section

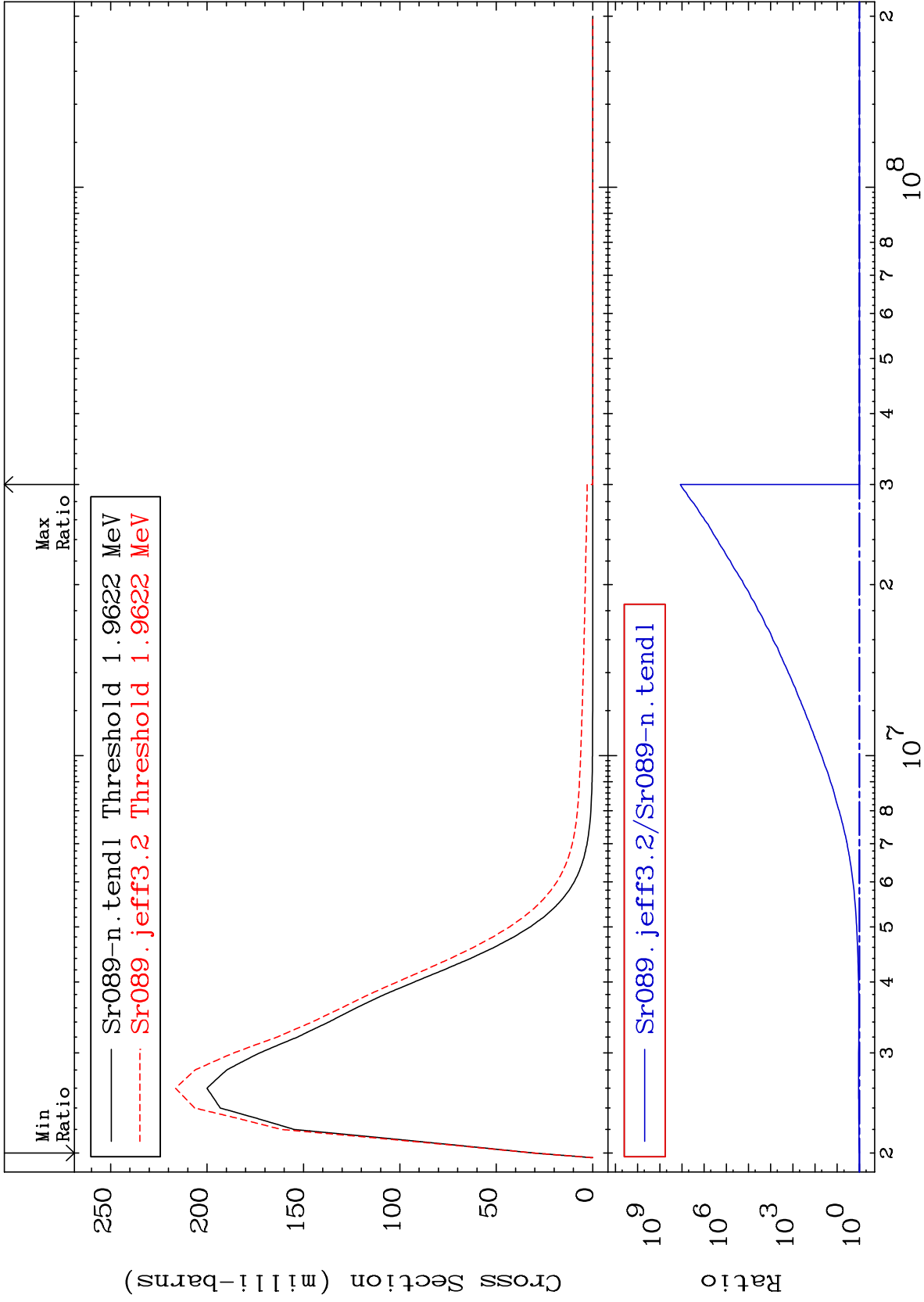
38-Sr-89
-0.362 To 4.320 %



MAT 3840

1.940 MeV (n,n') Level
Cross Section

38-Sr-89
-0.384 To 9999. %



20

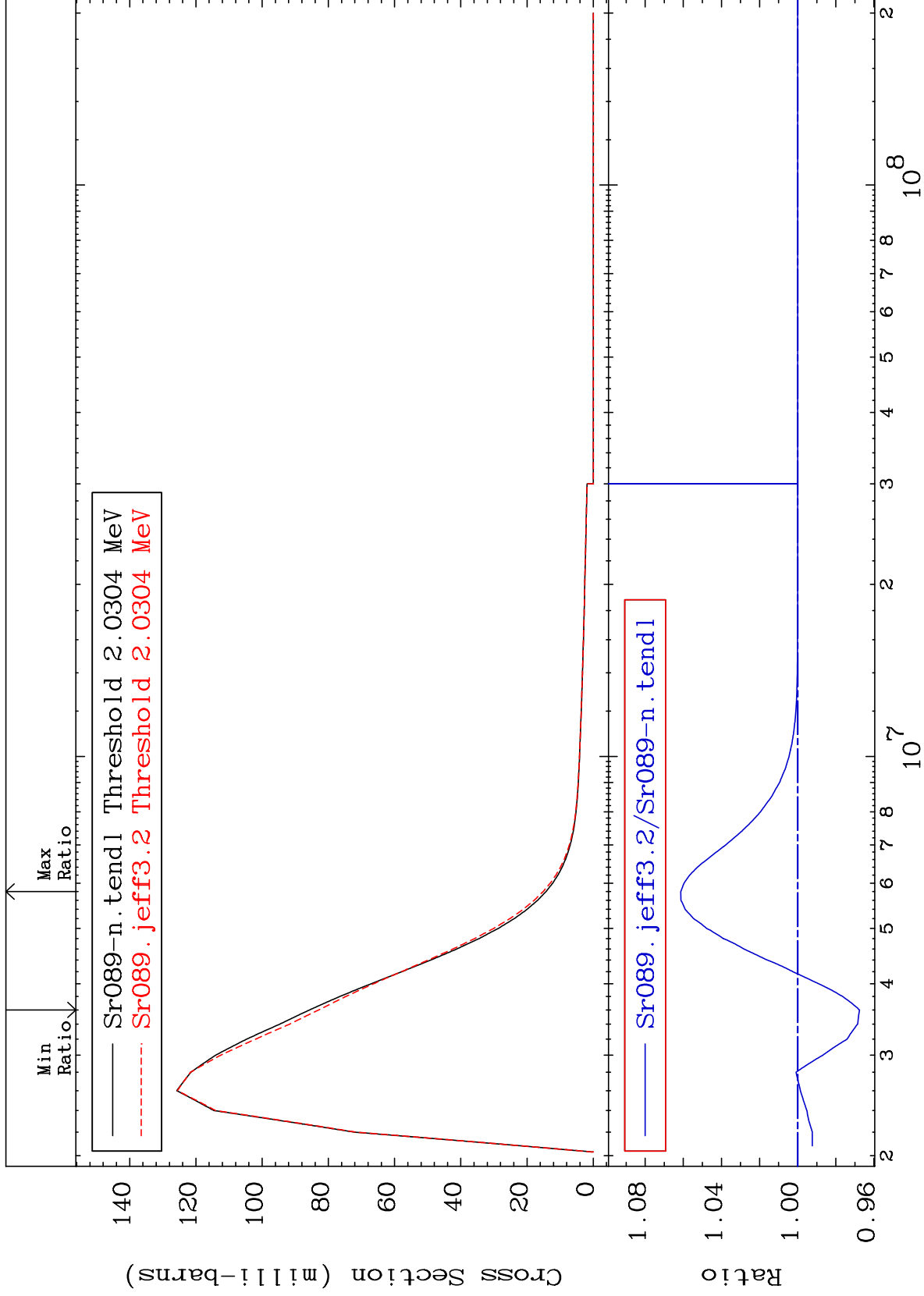
Incident Energy (eV)

38-Sr-89

MAT 3840

2.008 MeV (n,n') Level
Cross Section

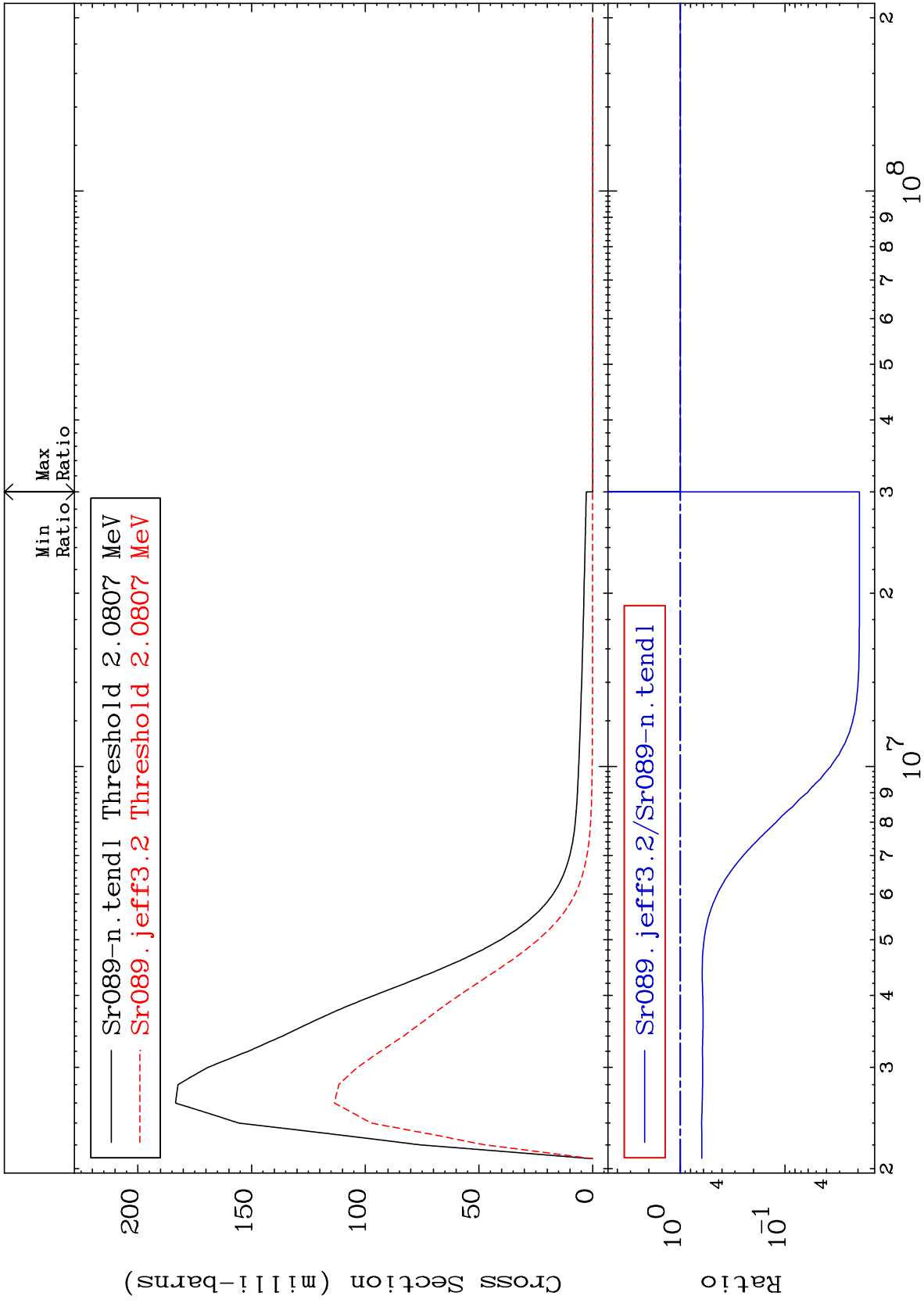
38-Sr-89
-3.243 To 6.132 %



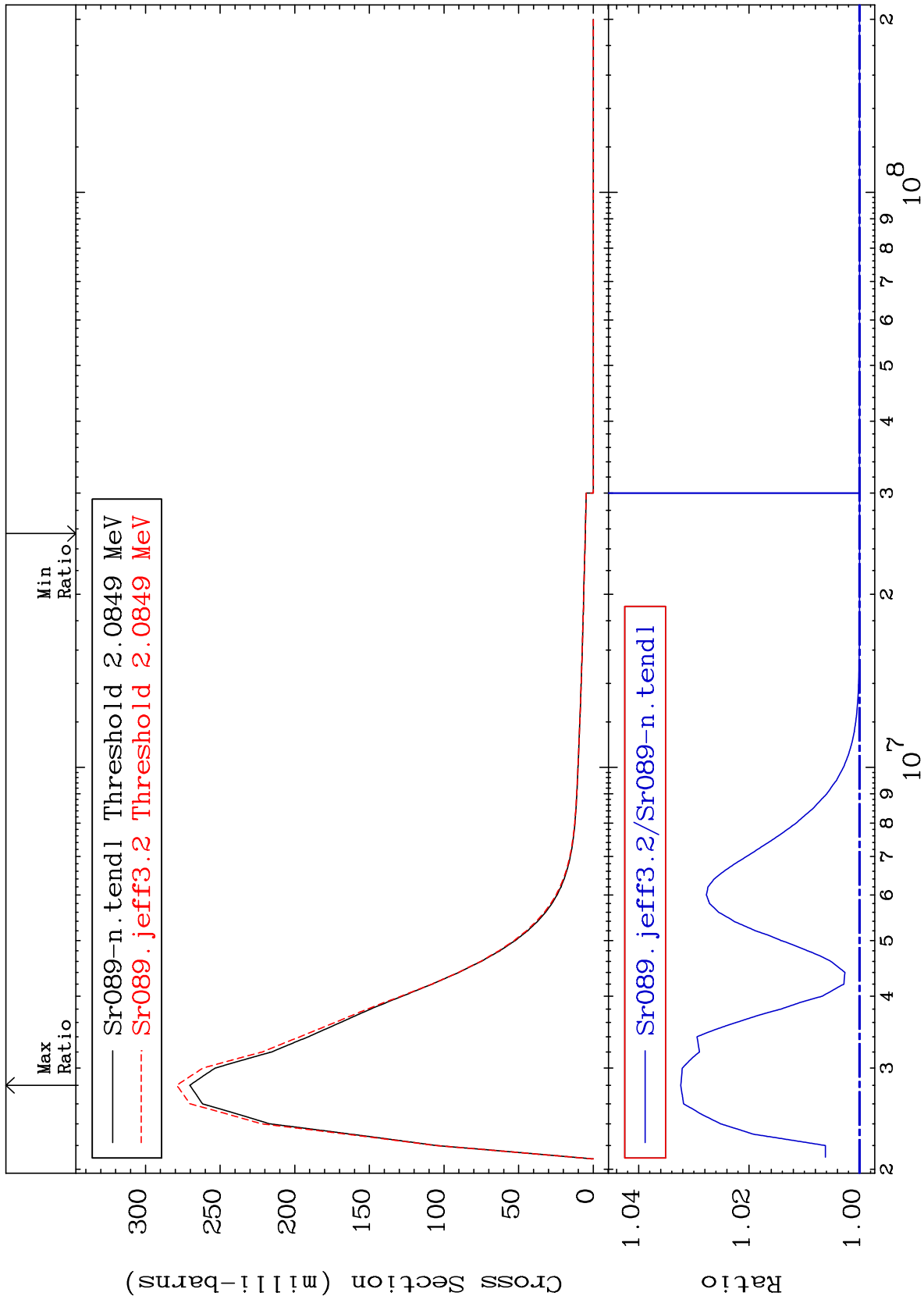
MAT 3840

2.057 MeV (n,n') Level
Cross Section

38-Sr-89
-98.06 To 0.000 %



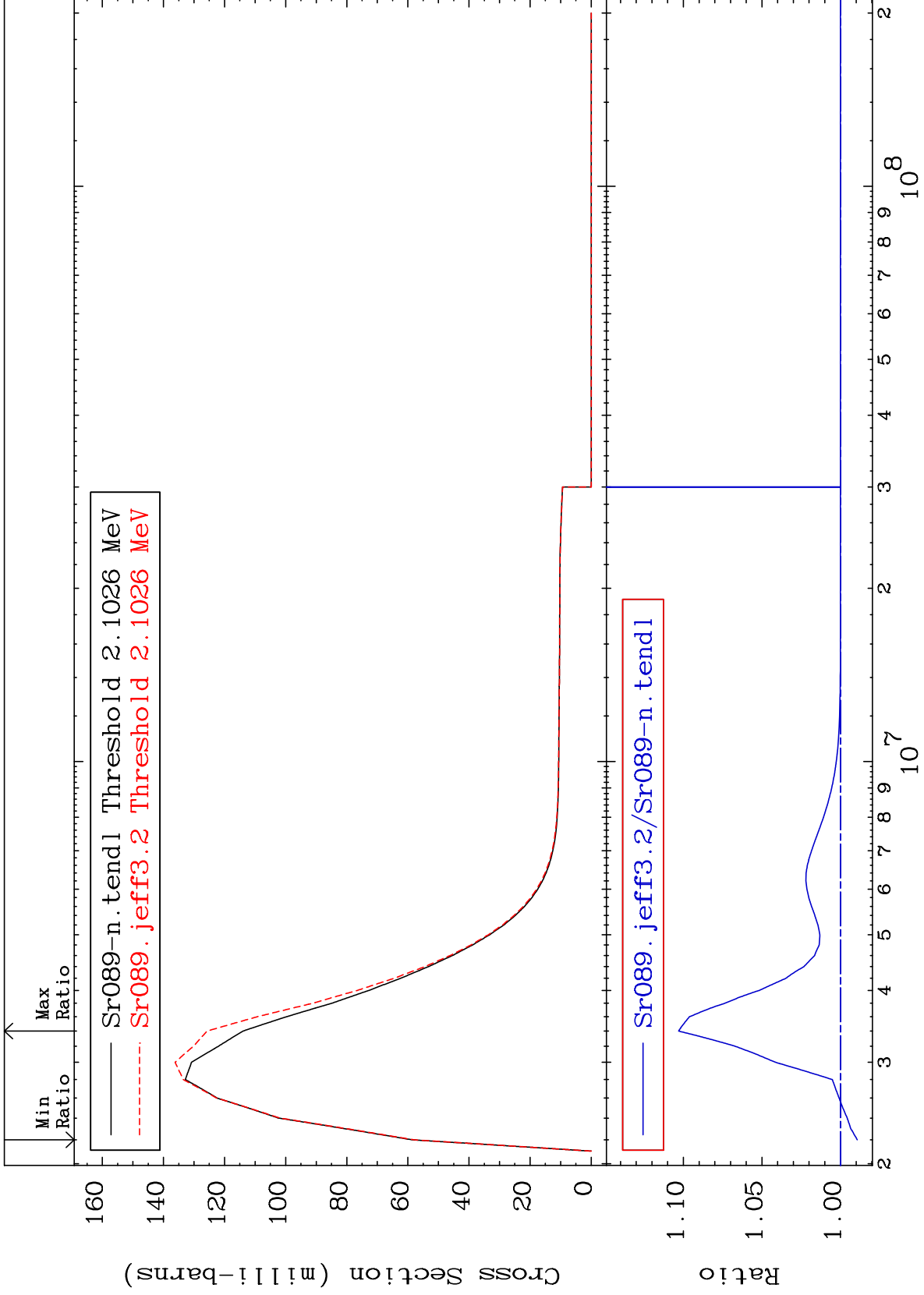
MAT 3840 2.062 MeV (n,n') Level Cross Section 38-Sr-89 To 3.237 %



MAT 3840

2.079 MeV (n,n') Level
Cross Section

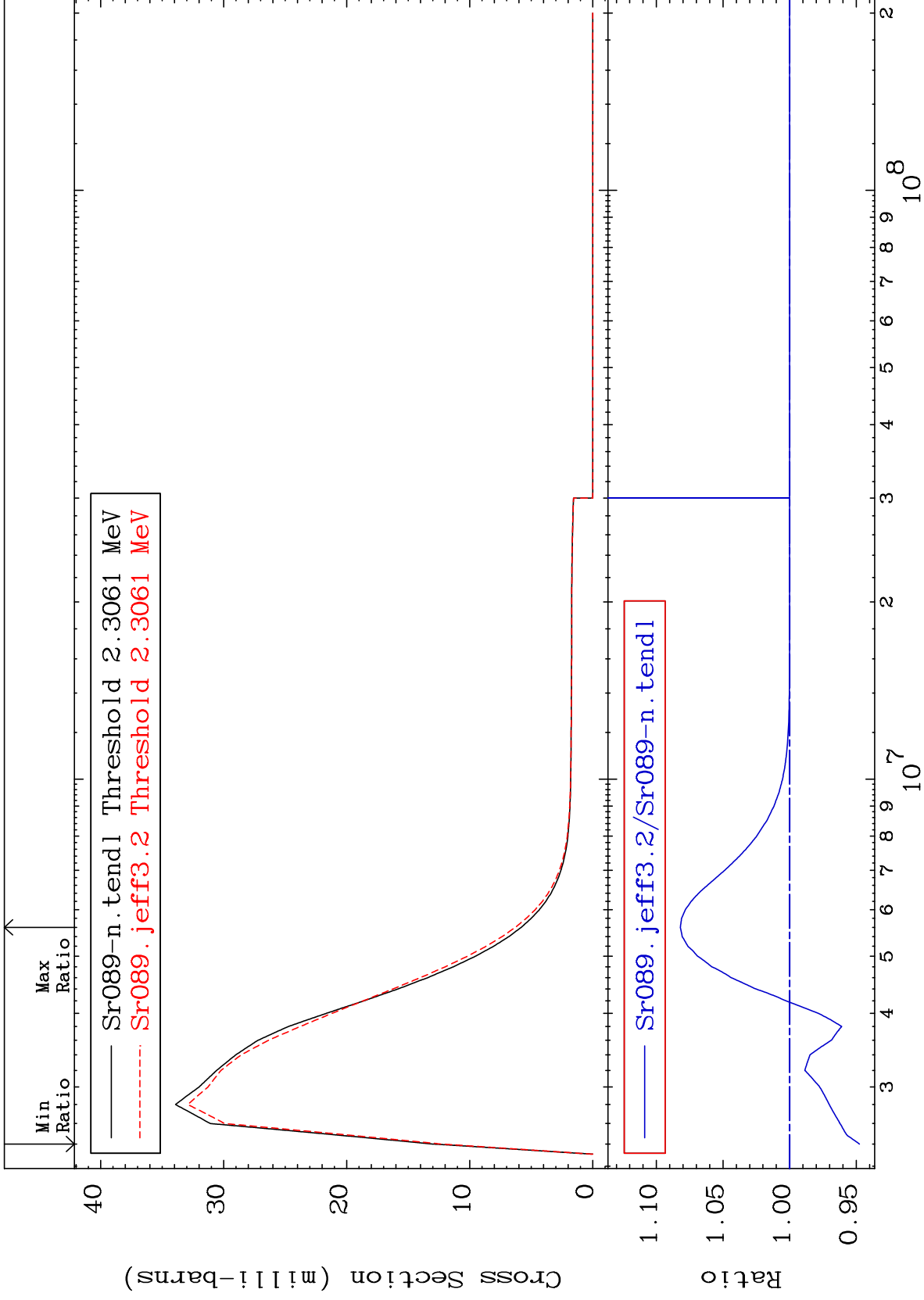
38-Sr-89
-1.068 To 10.30 %



MAT 3840

2.280 MeV (n,n') Level
Cross Section

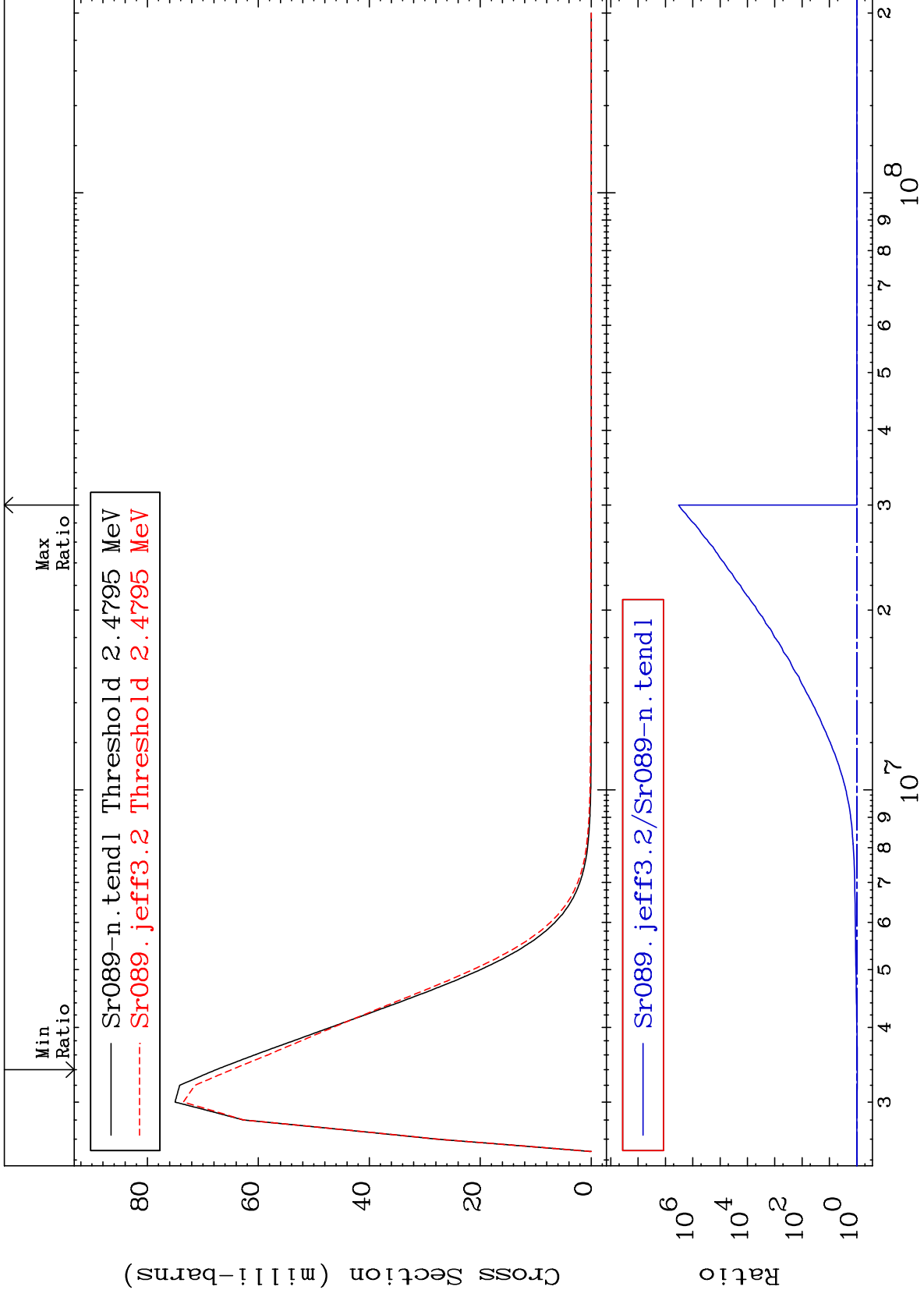
38-Sr-89
-5.239 To 8.200 %



MAT 3840

2.452 MeV (n,n') Level
Cross Section

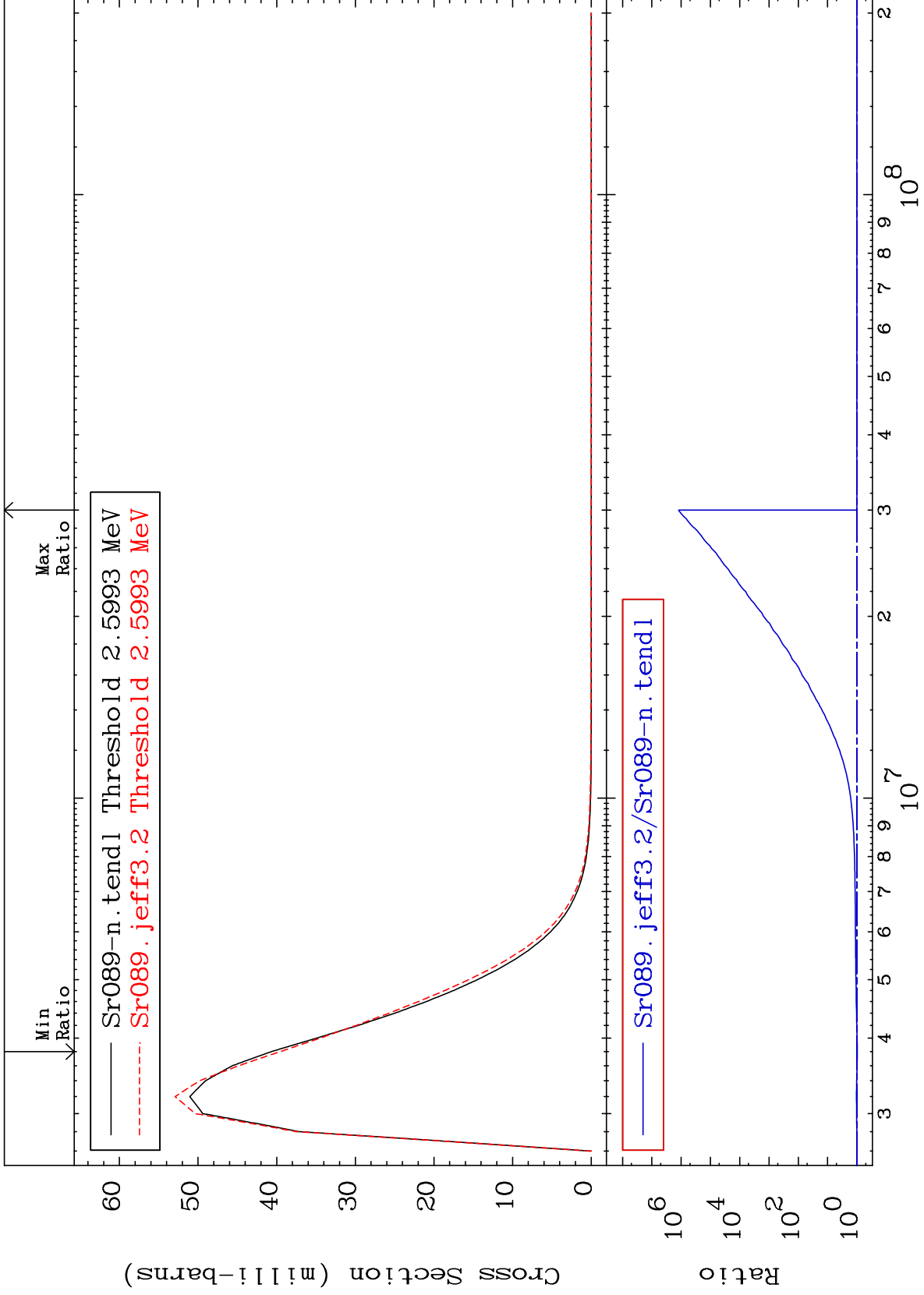
38-Sr-89
-4.133 To 9999. %



MAT 3840

2.570 MeV (n,n') Level
Cross Section

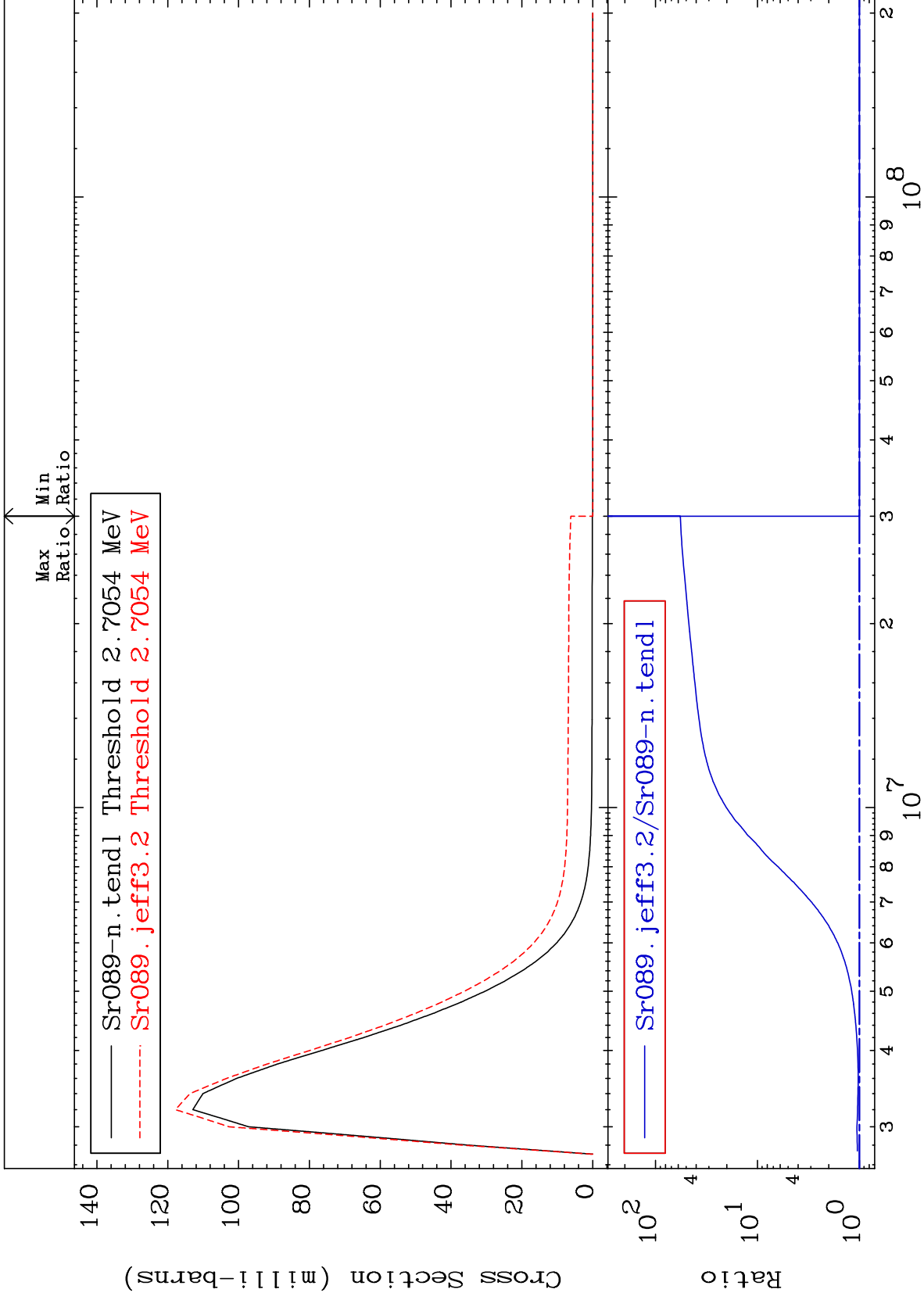
38-Sr-89
-2.765 To 9999. %



MAT 3840

2.675 MeV (n,n') Level
Cross Section

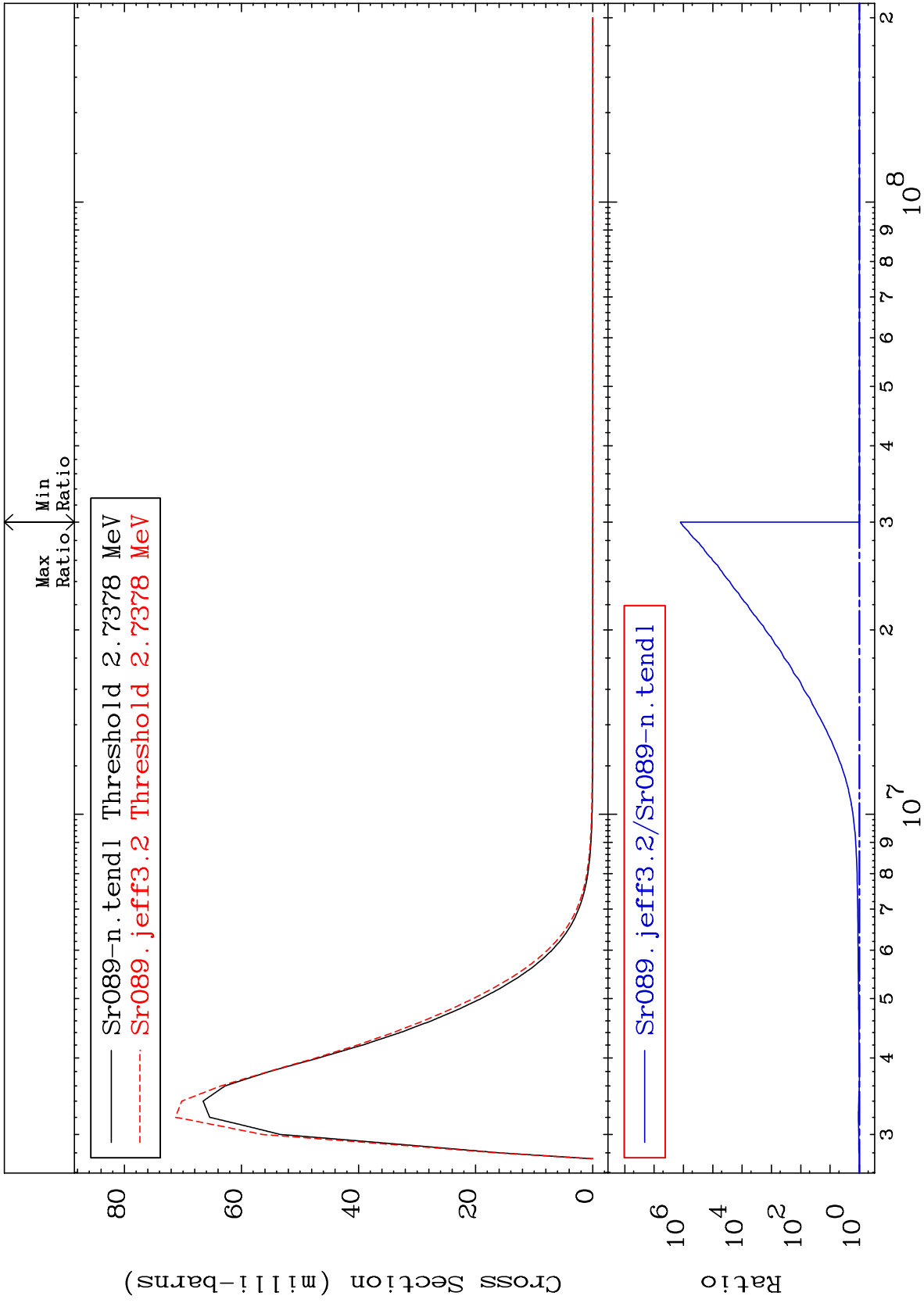
38-Sr-89
To 5608. %



MAT 3840

2.707 MeV (n,n') Level
Cross Section

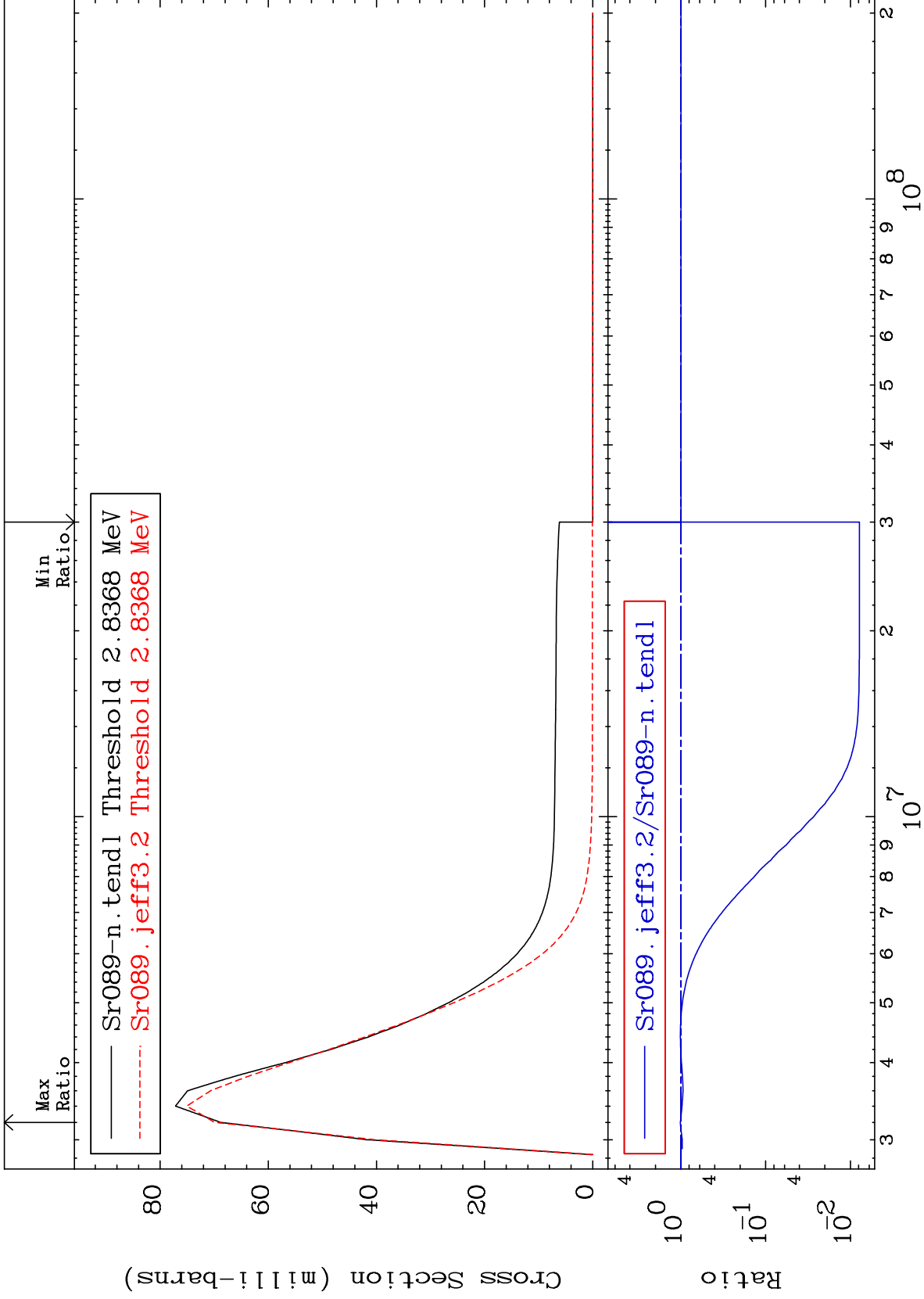
38-Sr-89
To 9999. %
0.000



MAT 3840

2.805 MeV (n,n') Level
Cross Section

38-Sr-89
-99.22 To 1.596 %



30

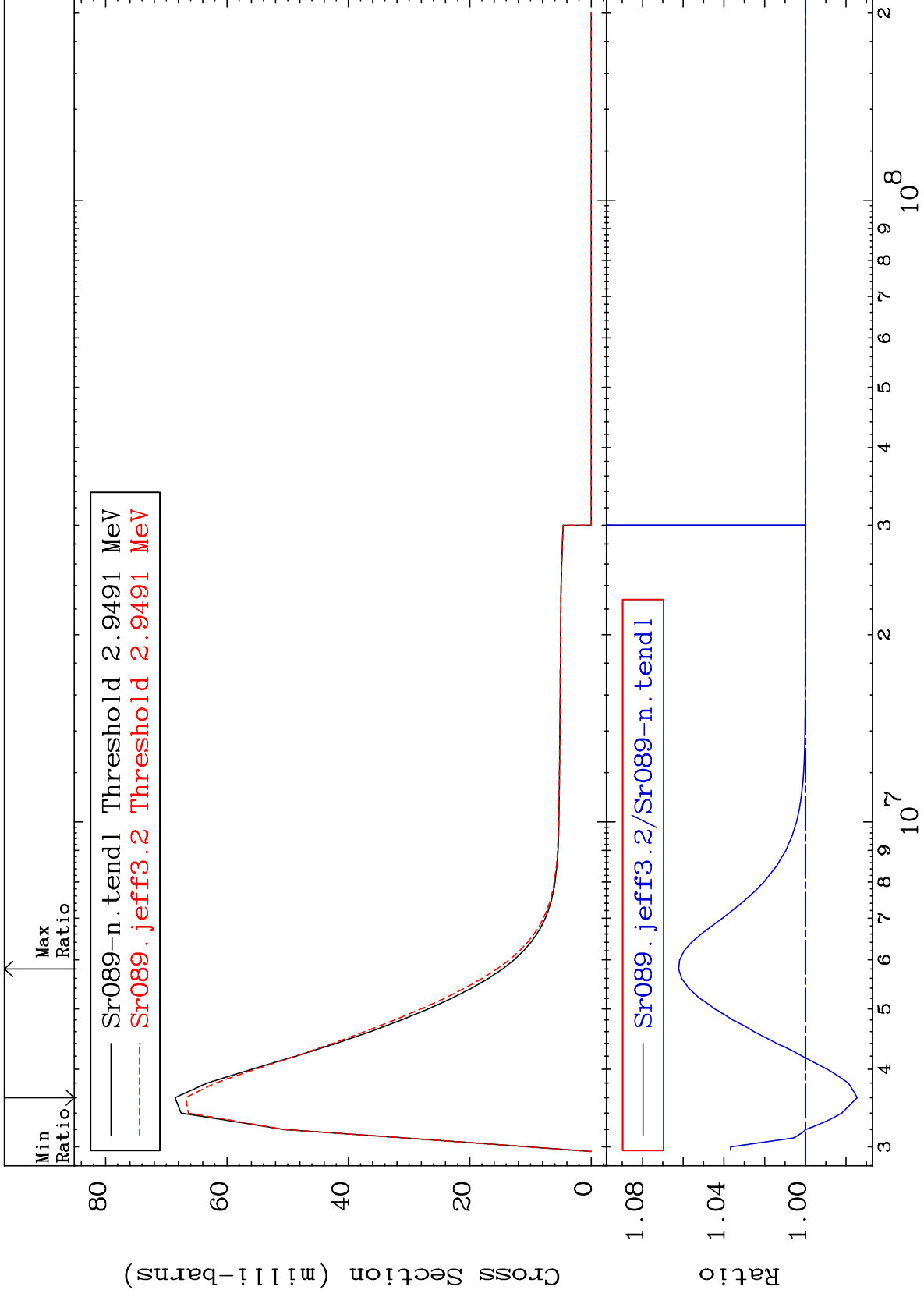
Incident Energy (eV)

38-Sr-89

MAT 3840

2.916 MeV (n,n') Level
Cross Section

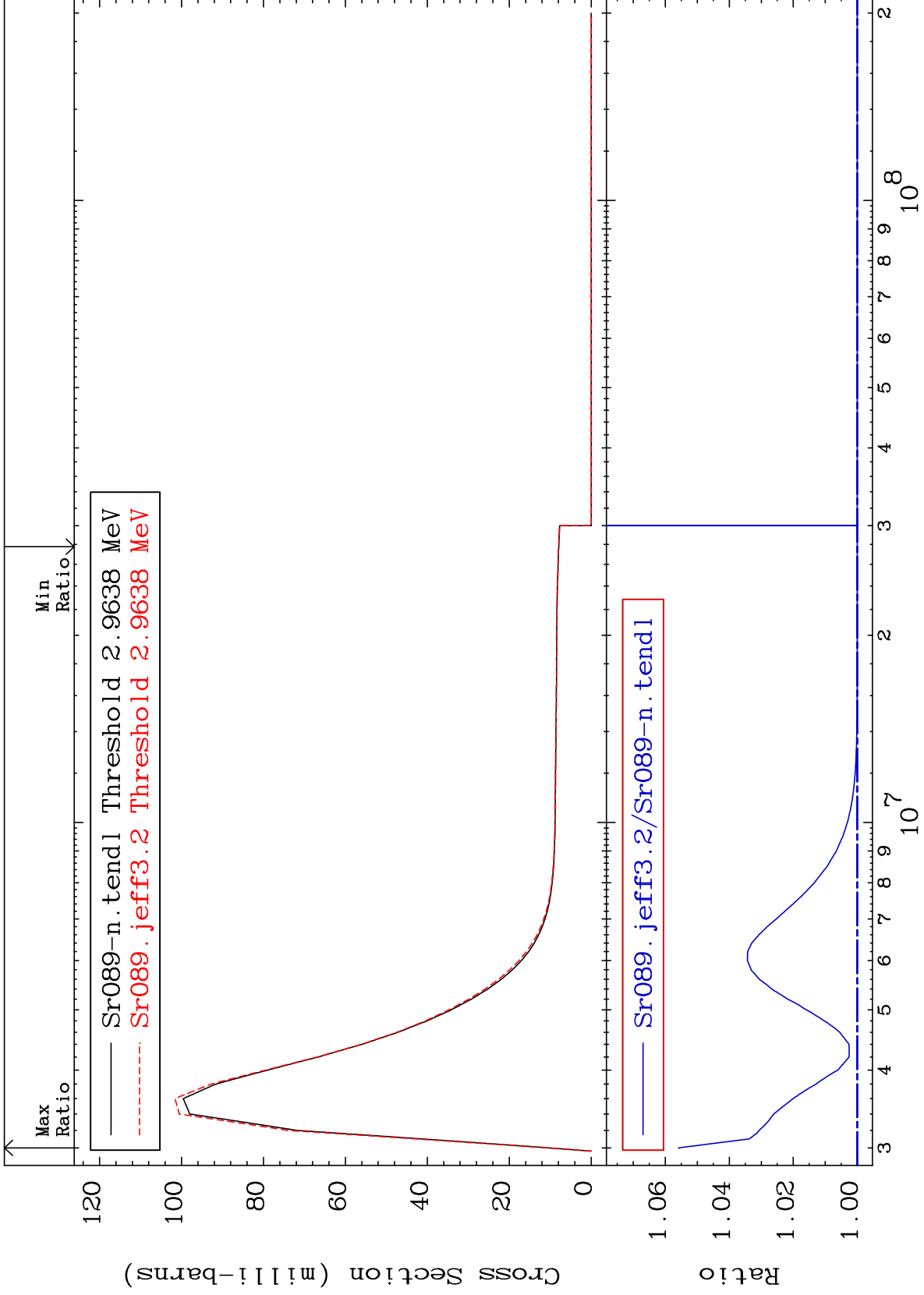
38-Sr-89
-2.547 To 6.226 %



MAT 3840

2.931 MeV (n,n') Level
Cross Section

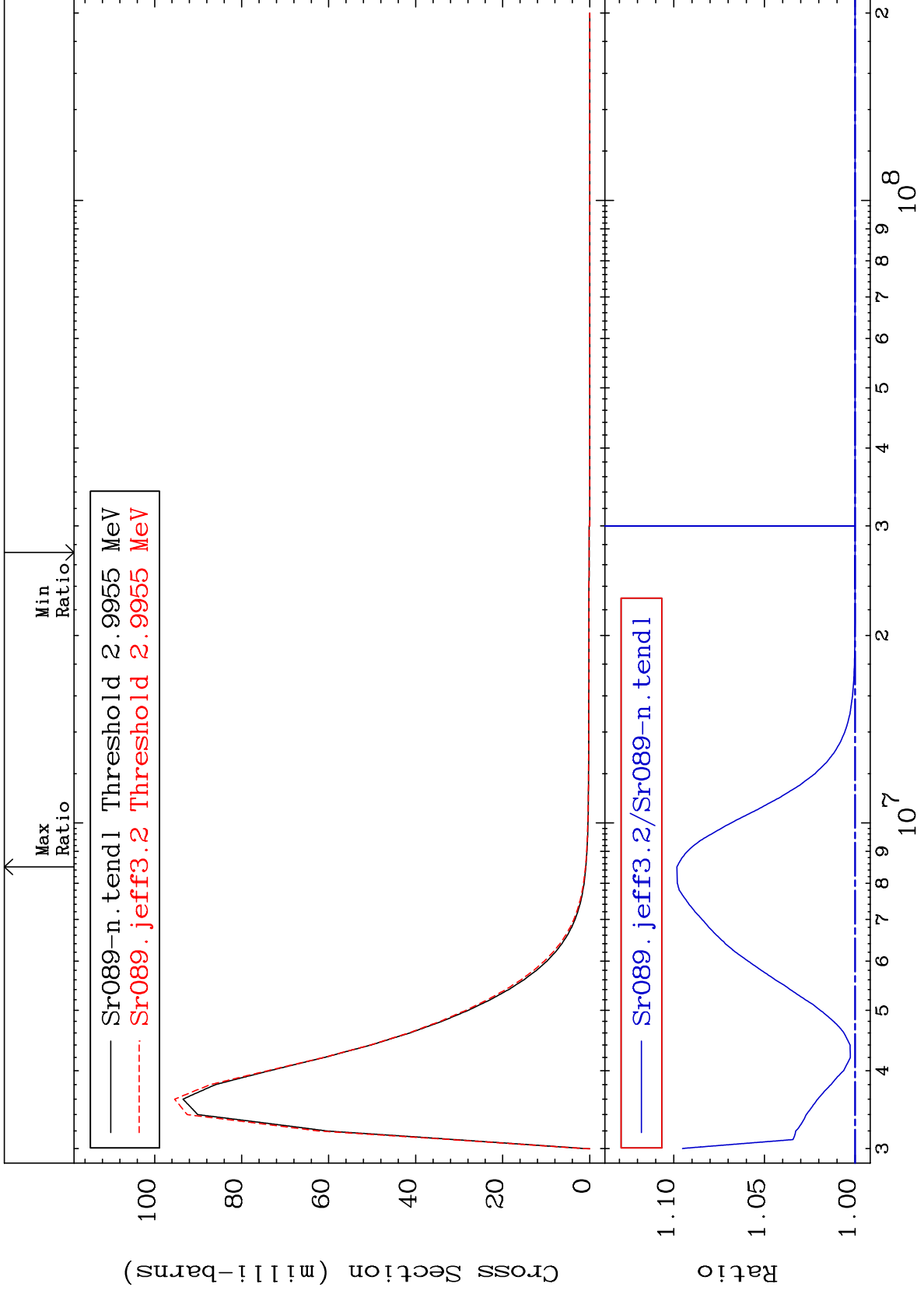
38-Sr-89
0.000 To 5.583 %



MAT 3840

2.962 MeV (n,n') Level
Cross Section

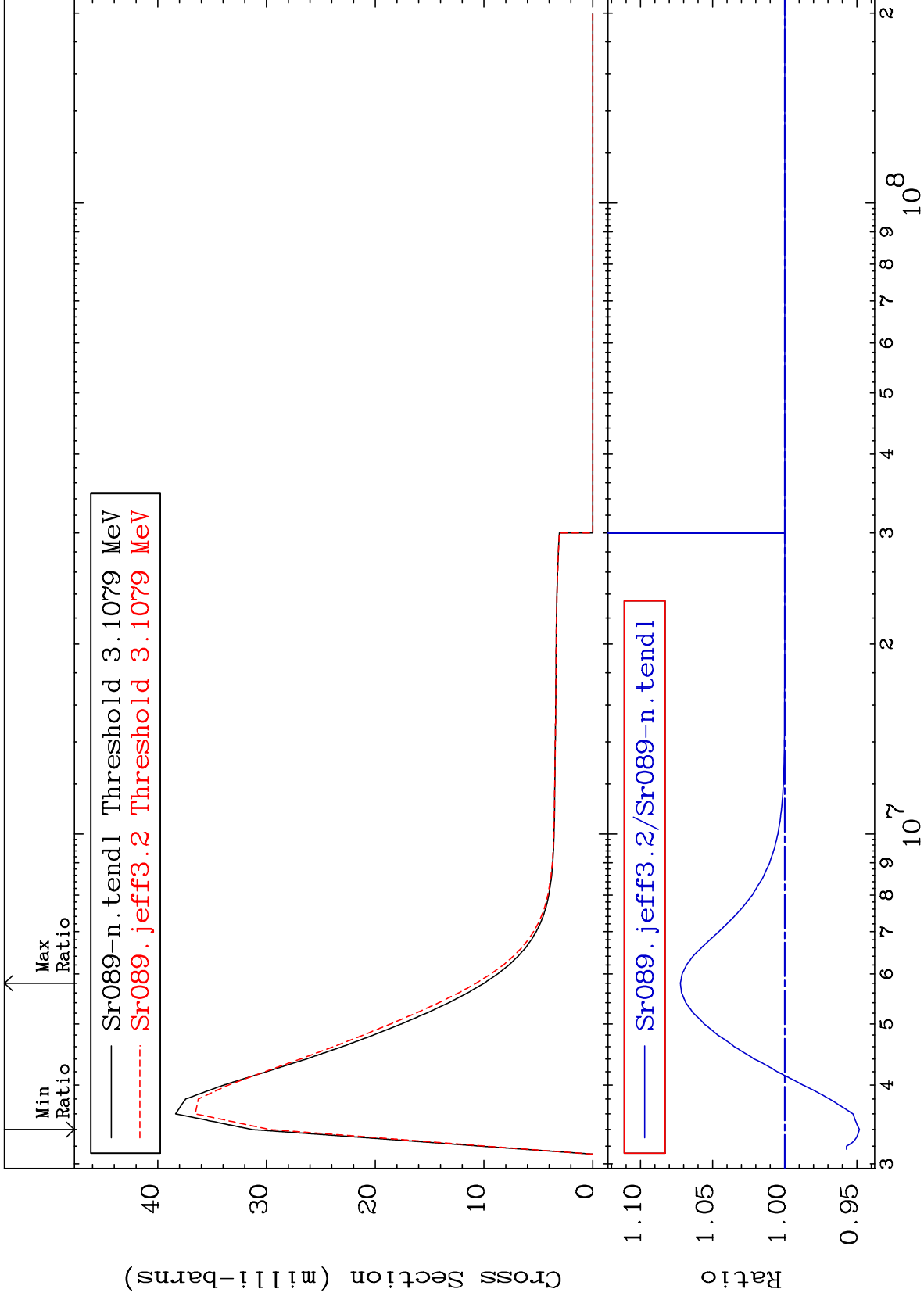
38-Sr-89
0.000 To 9.829 %



MAT 3840

3.073 MeV (n,n') Level
Cross Section

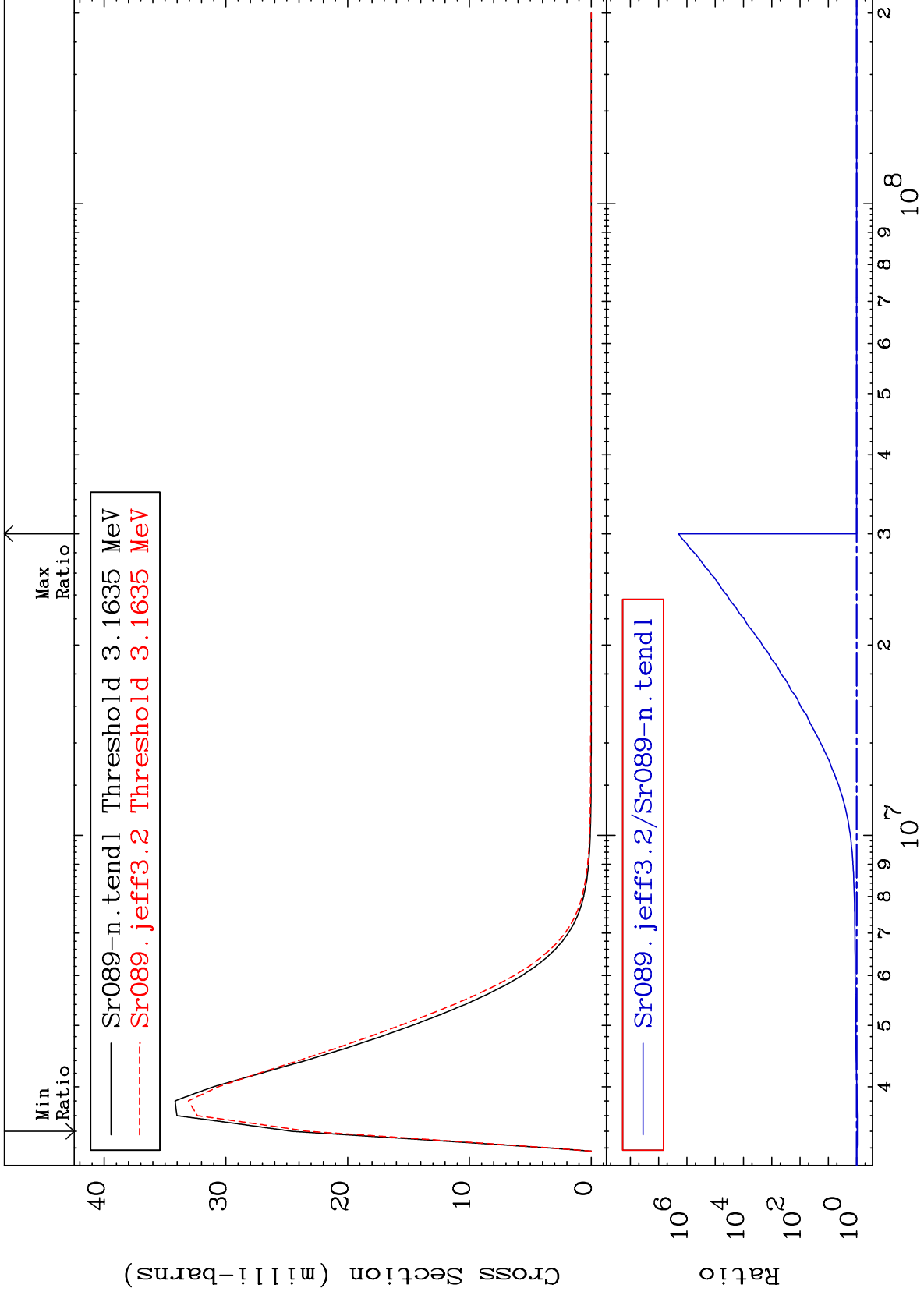
38-Sr-89
-5.180 To 7.232 %



MAT 3840

3.128 MeV (n,n') Level
Cross Section

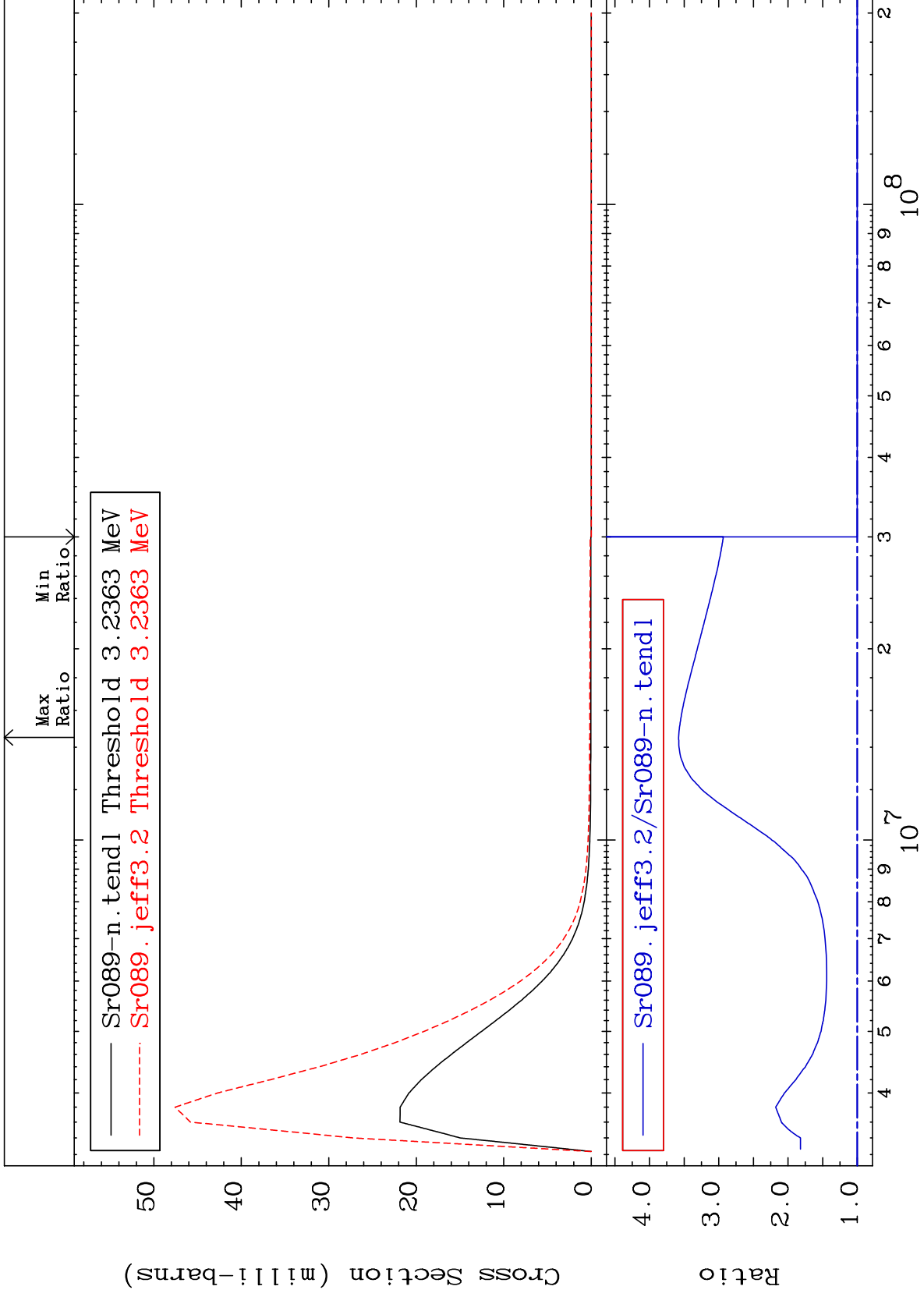
38-Sr-89
-5.314 To 9999. %

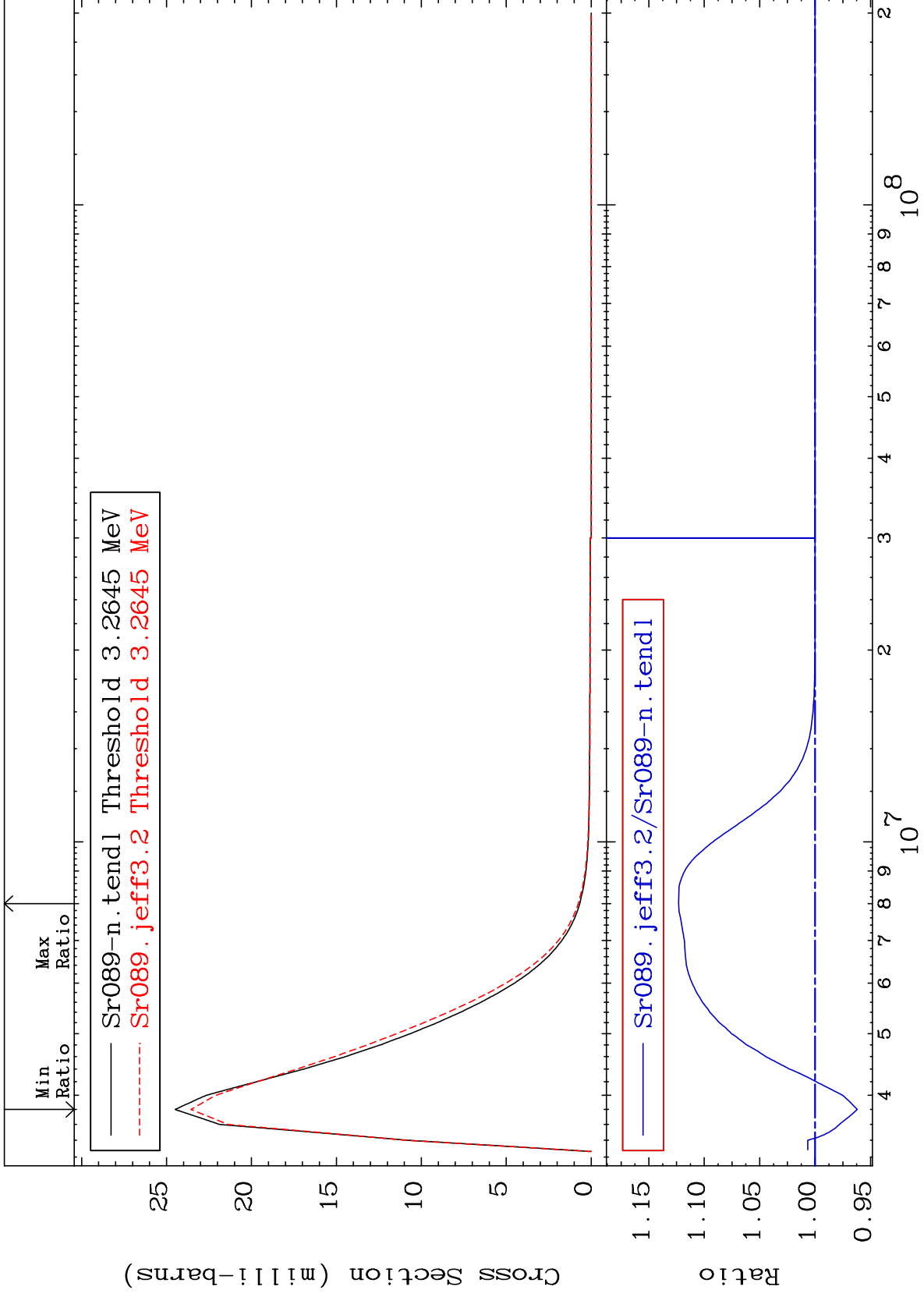


MAT 3840

3.200 MeV (n,n') Level
Cross Section

38-Sr-89
0.000 To 257.9 %

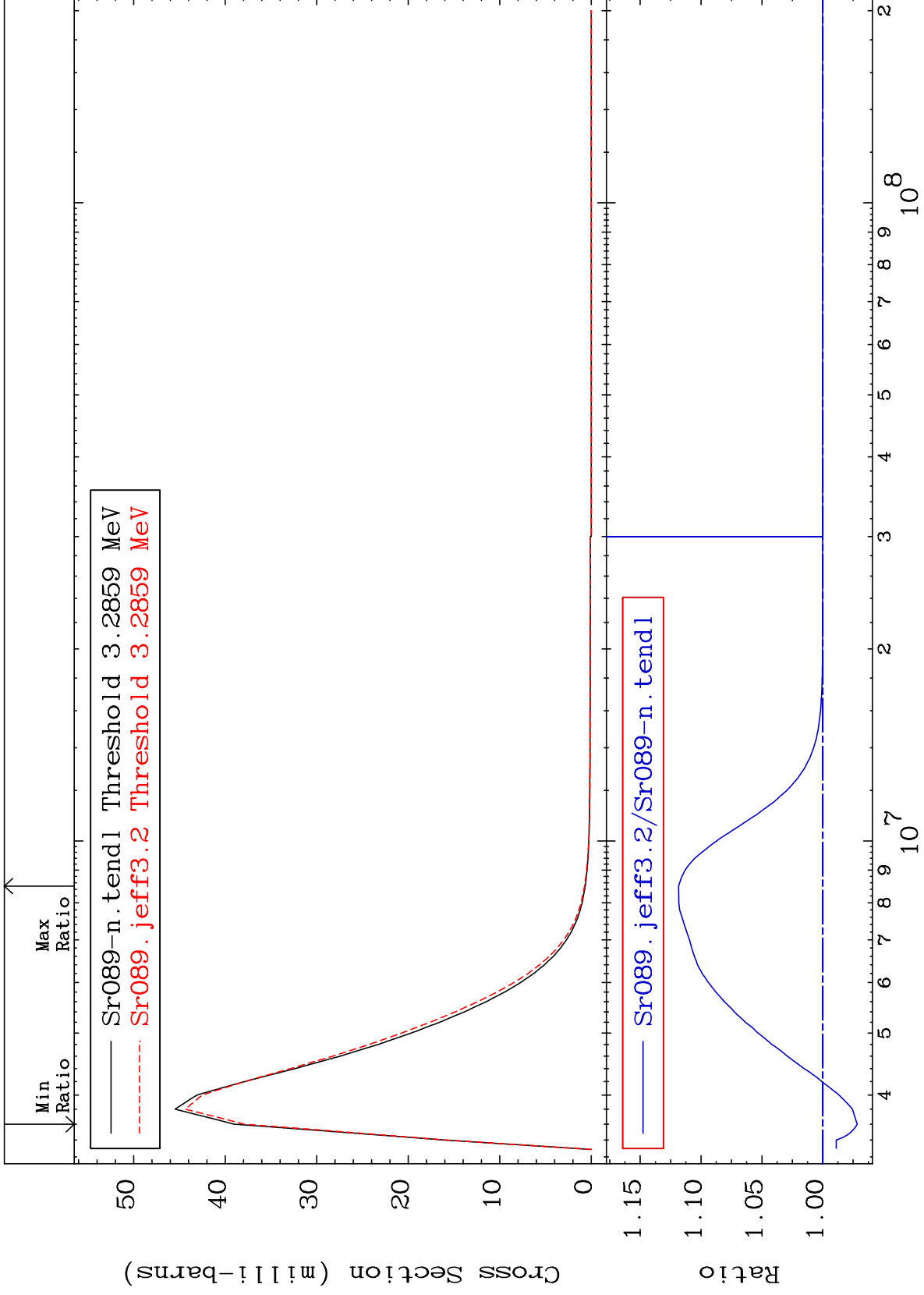


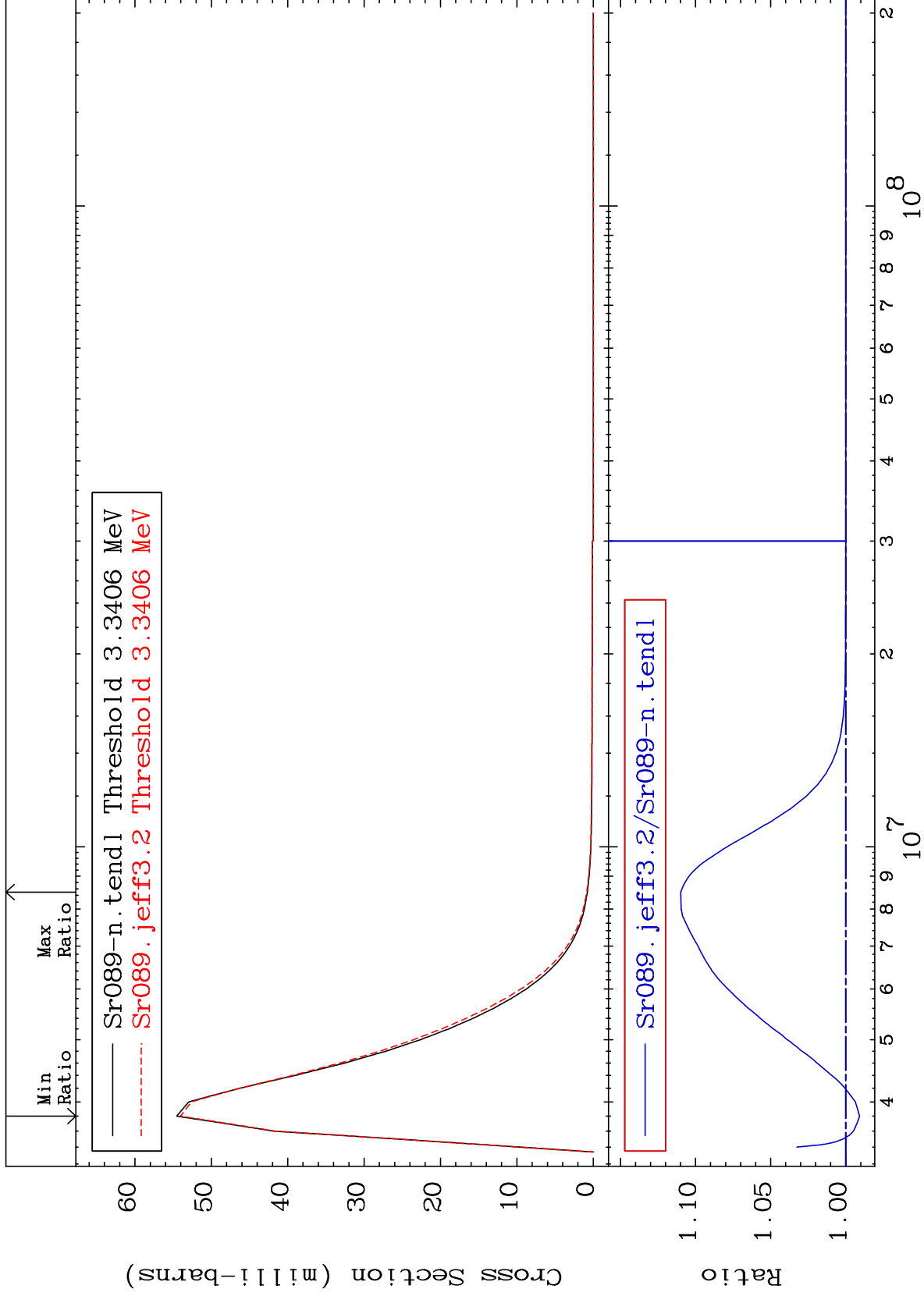


MAT 3840

3.249 MeV (n,n') Level
Cross Section

38-Sr-89
-2.836 To 11.84 %

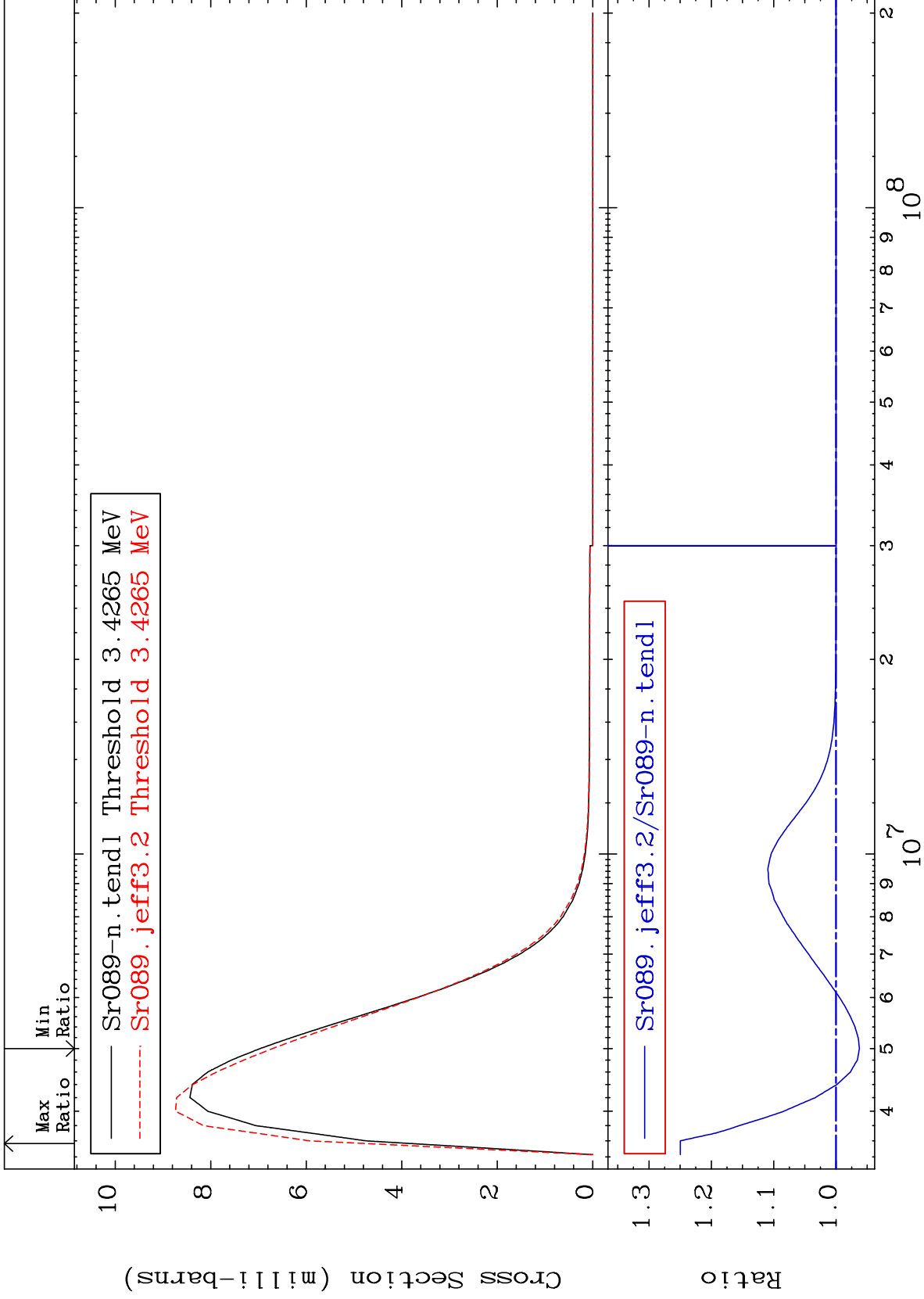




MAT 3840

3.388 MeV (n,n') Level
Cross Section

38-Sr-89
-3.754 To 24.97 %

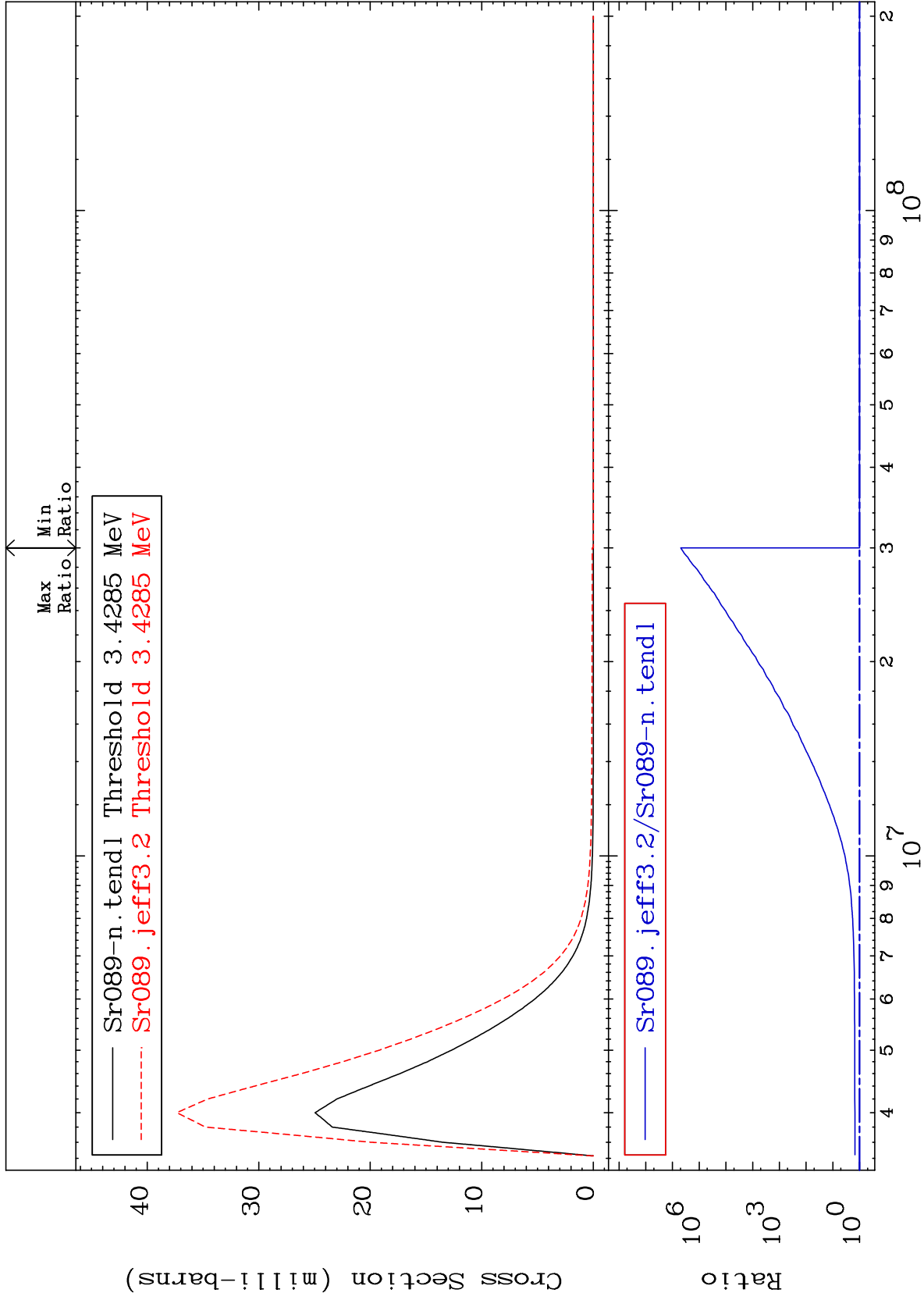


40

38-Sr-89

38-Sr-89

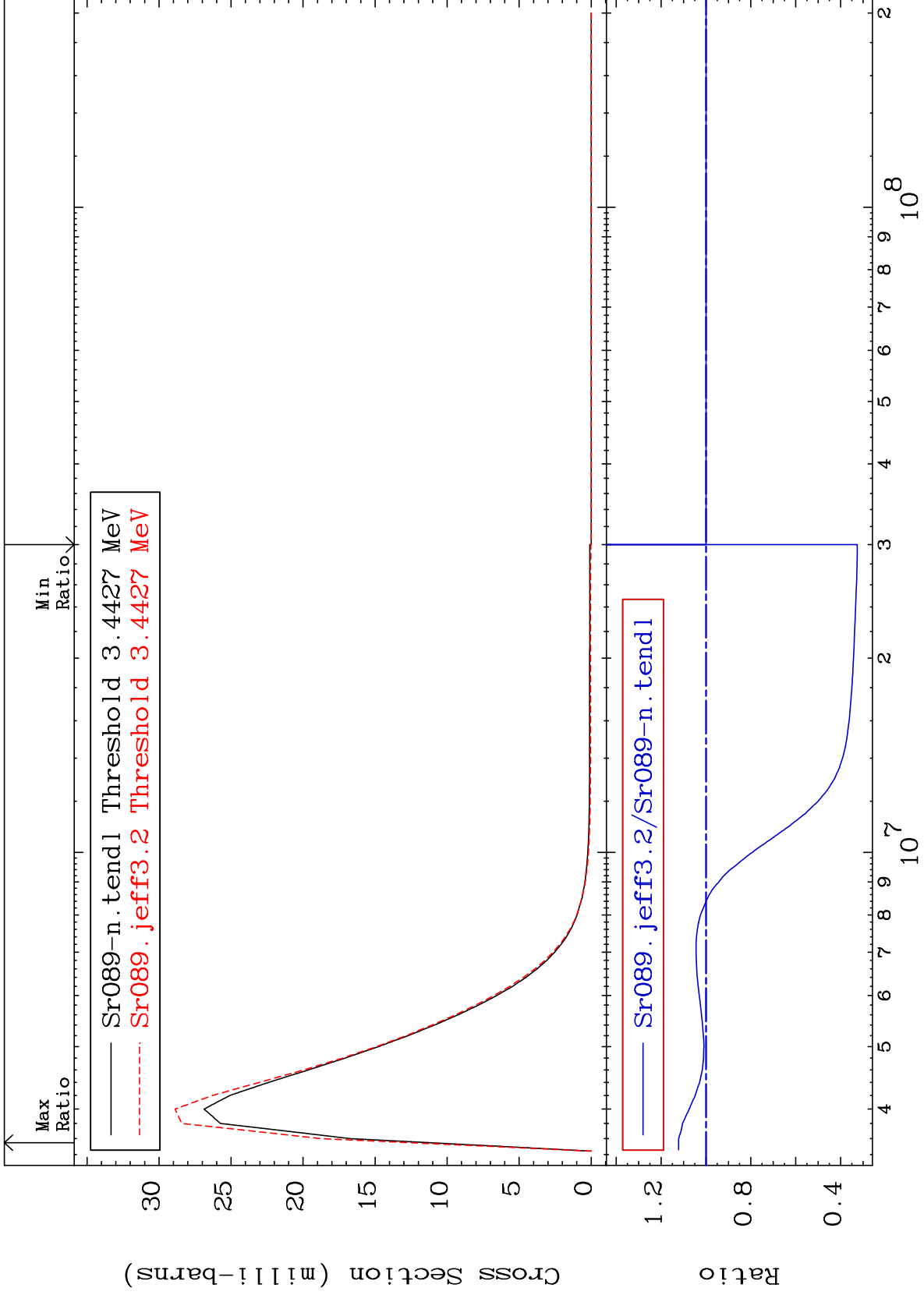
MAT 3840 3.390 MeV (n,n') Level 38-Sr-89
 Cross Section To 9999. %



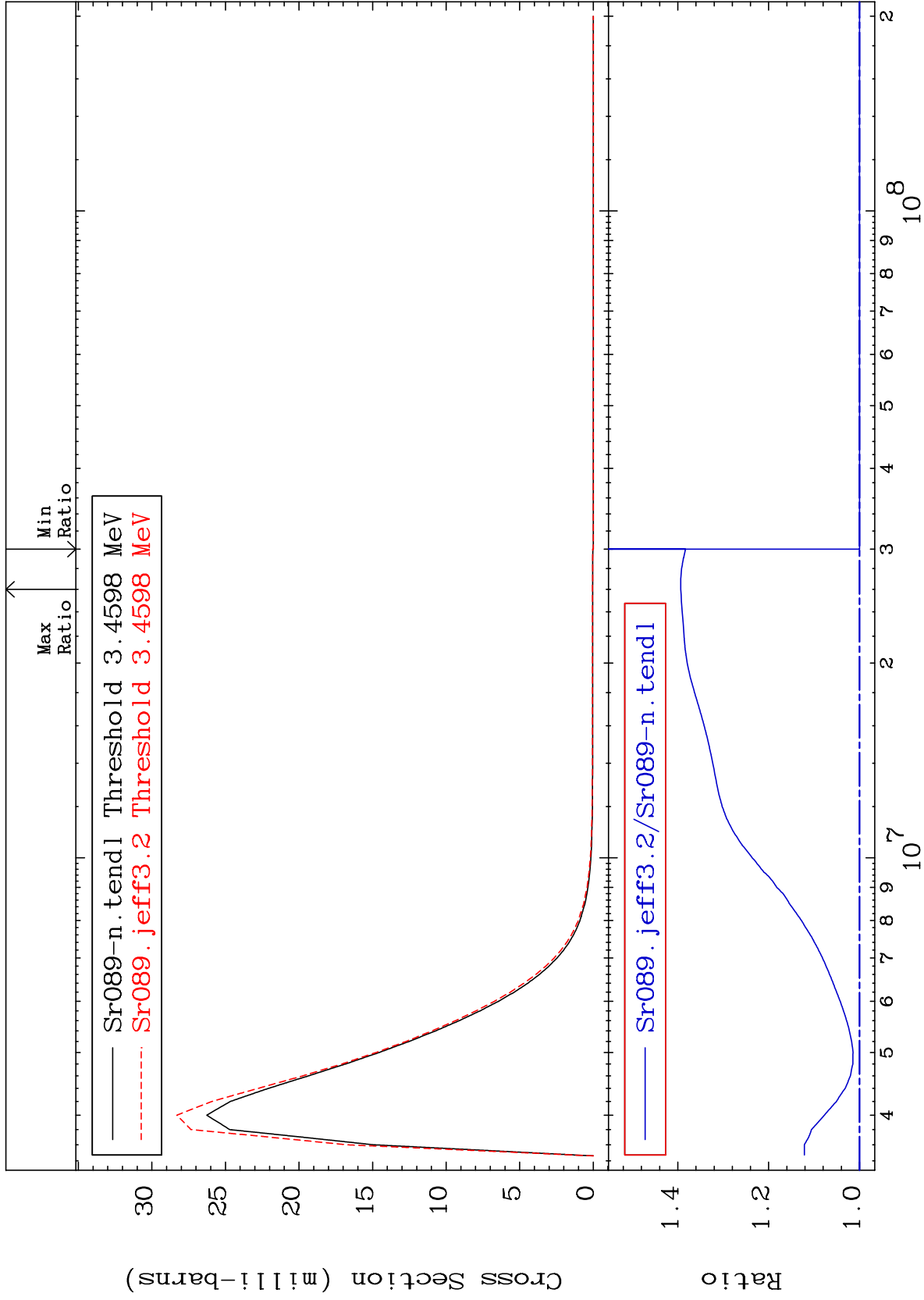
MAT 3840

3.404 MeV (n,n') Level
Cross Section

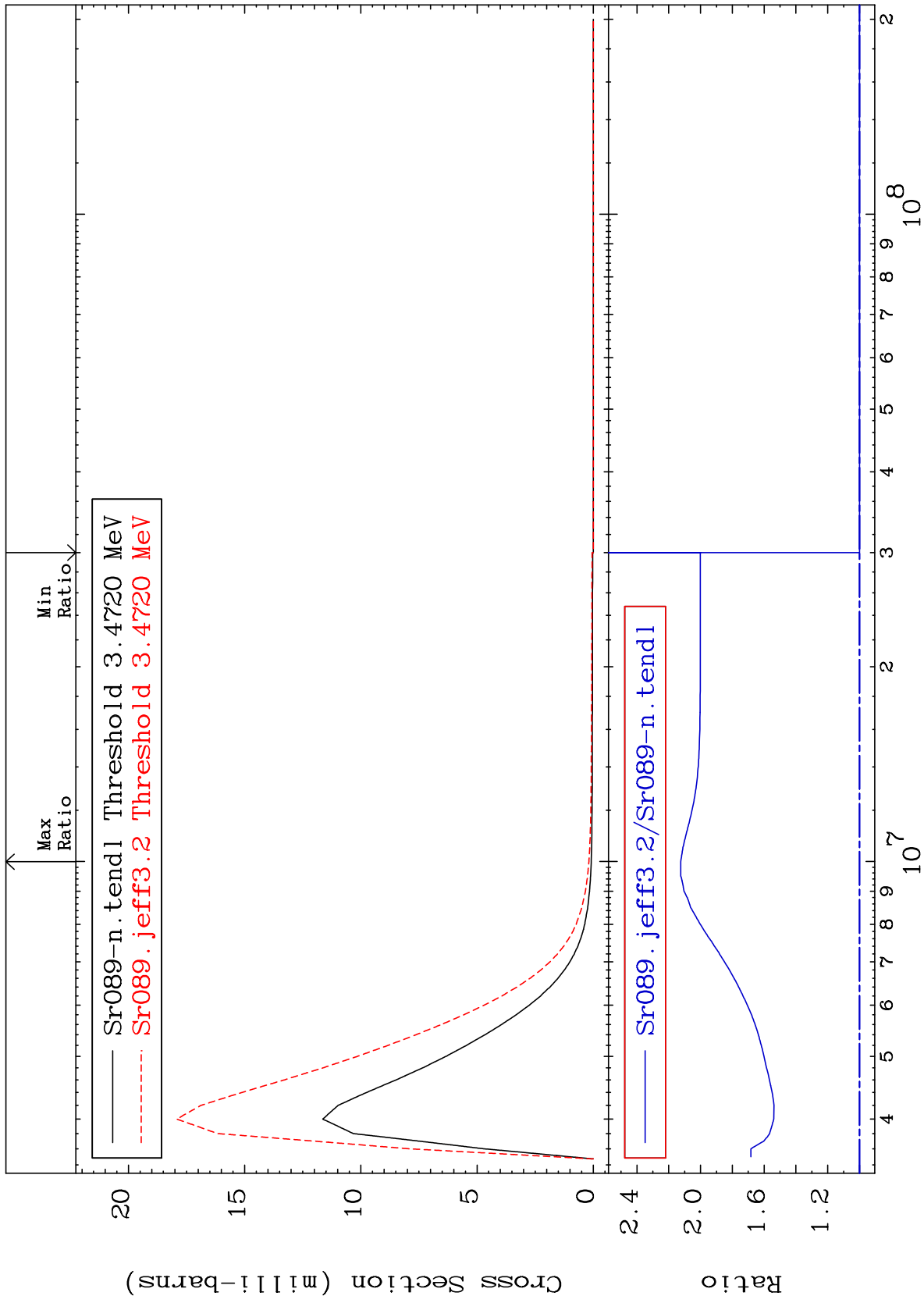
38-Sr-89
-67.45 To 12.19 %



MAT 3840 38-Sr-89
0.000 To 39.34 %
3.421 MeV (n,n') Level
Cross Section



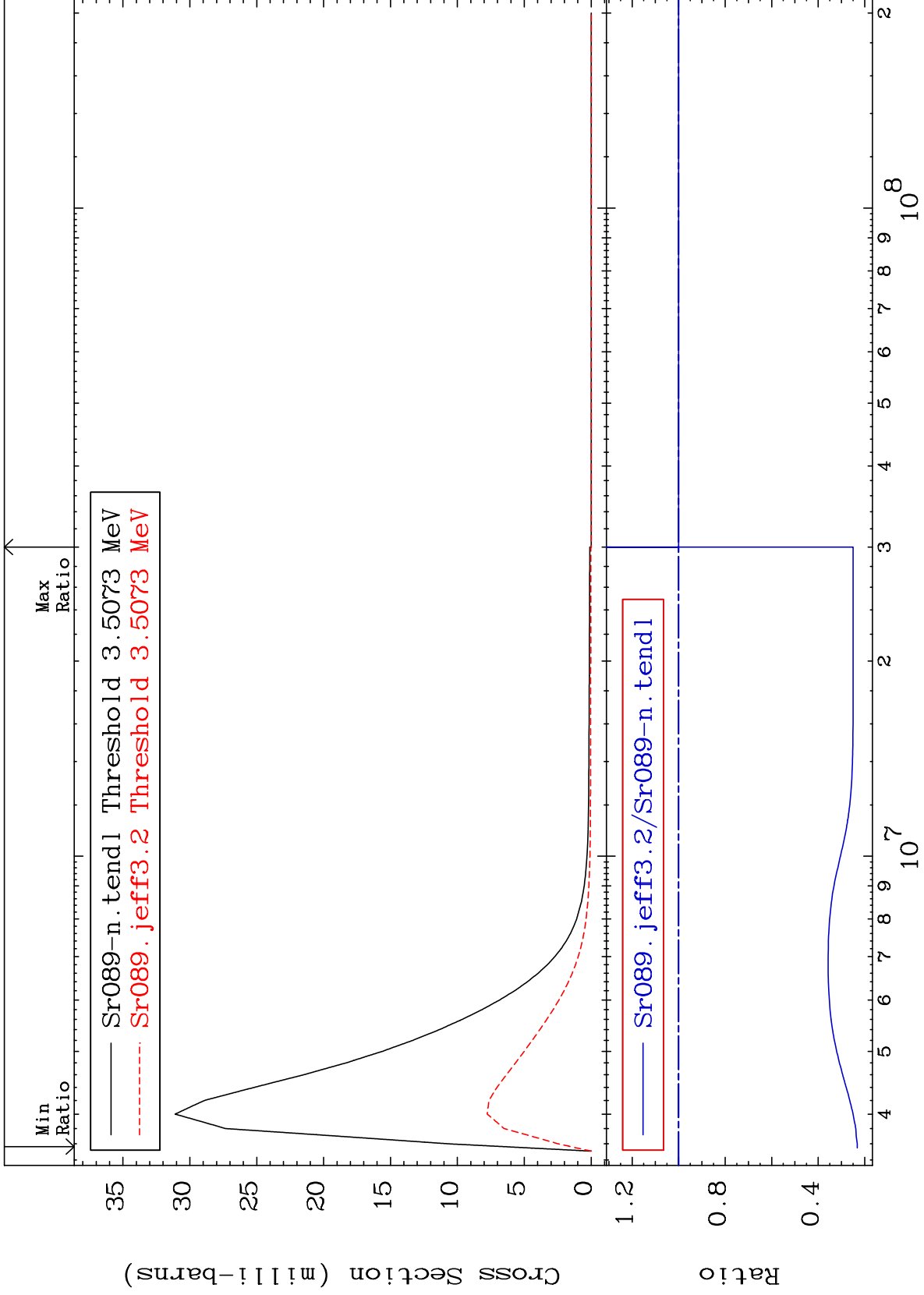
MAT 3840 38-Sr-89 3.433 MeV (n,n') Level Cross Section 0.000 To 112.4 %



MAT 3840

3.468 MeV (n,n') Level
Cross Section

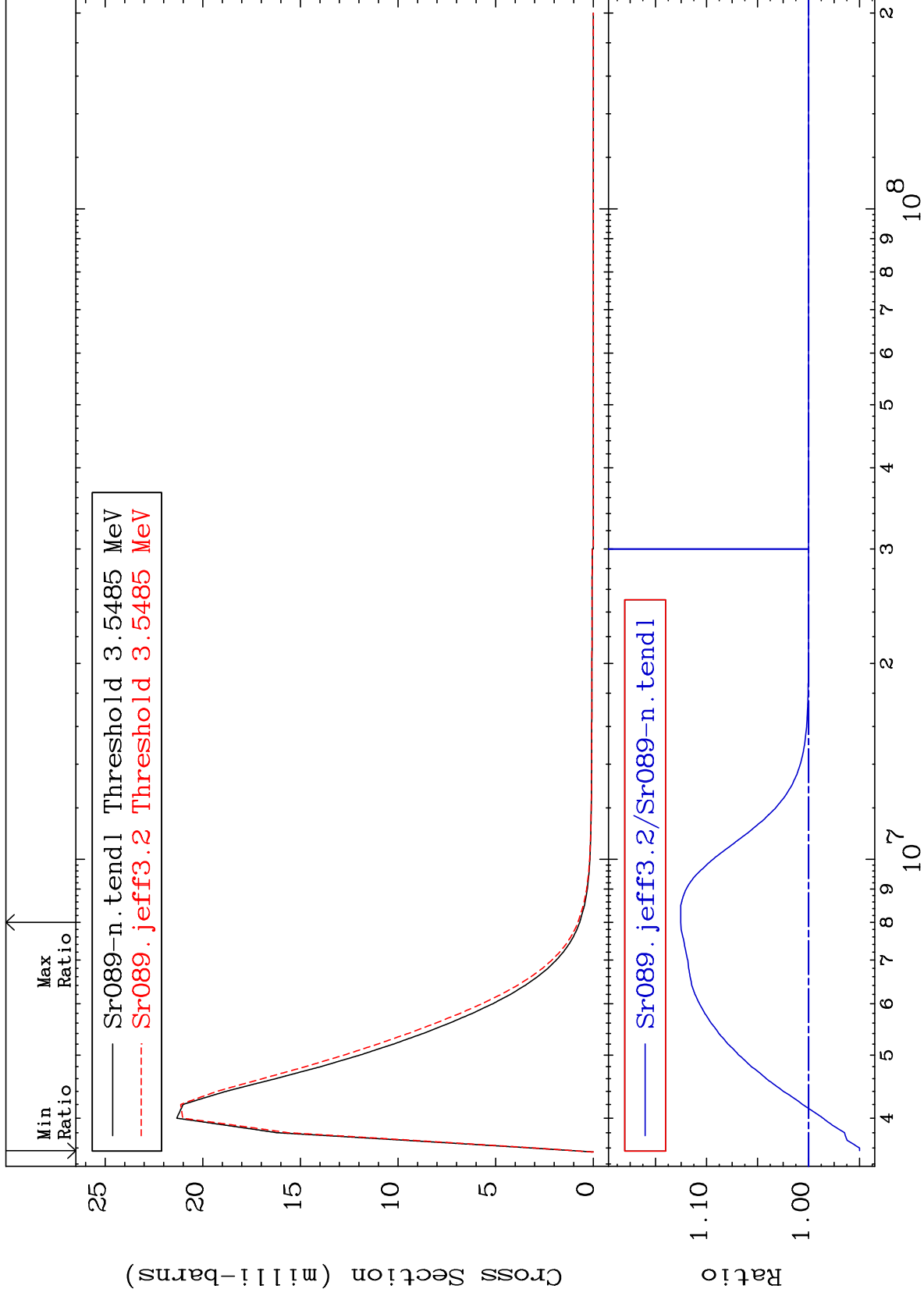
38-Sr-89
-76.80 To 0.000 %



MAT 3840

3.509 MeV (n,n') Level
Cross Section

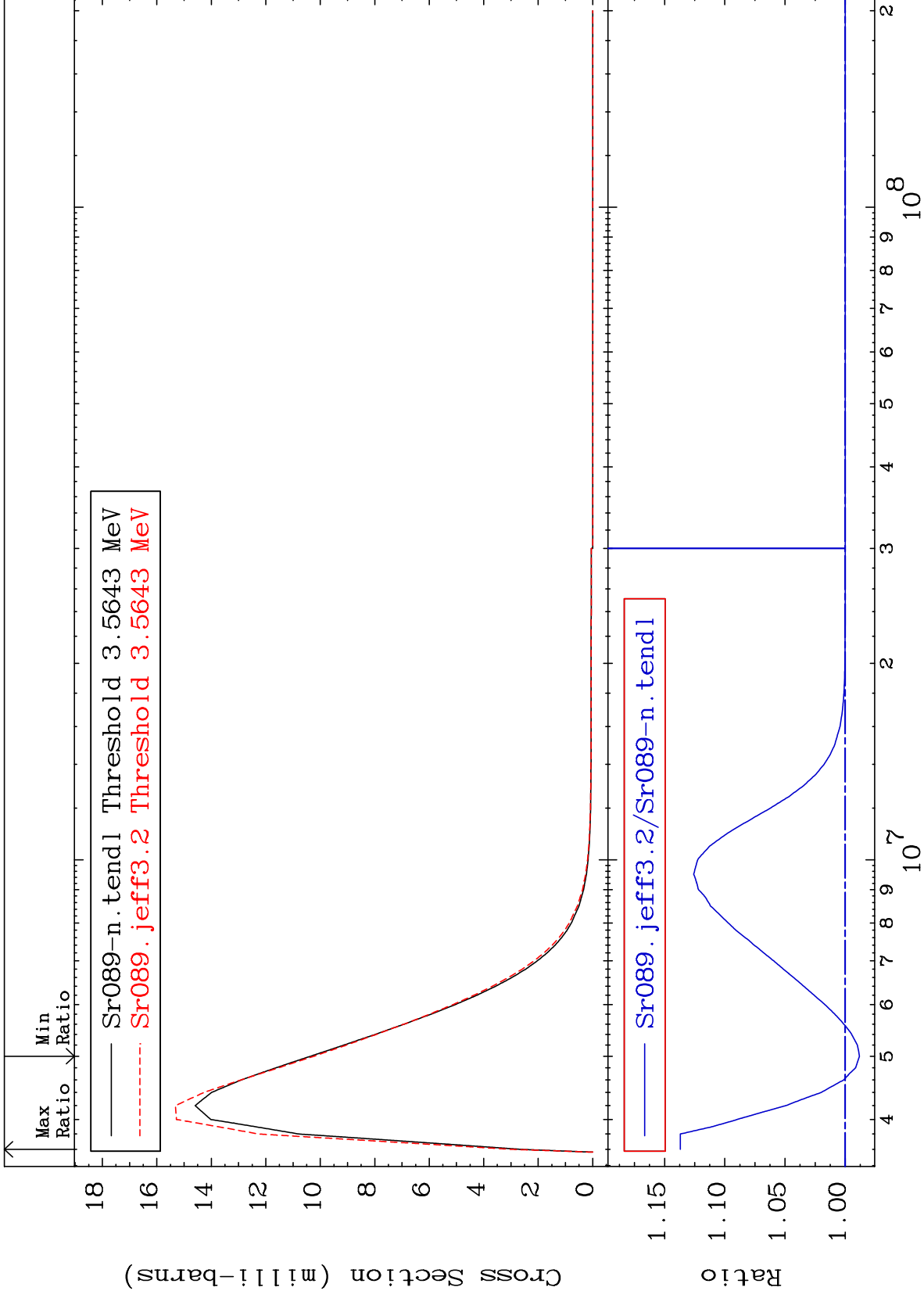
38-Sr-89
-4.999 To 12.53 %



46

Incident Energy (eV)

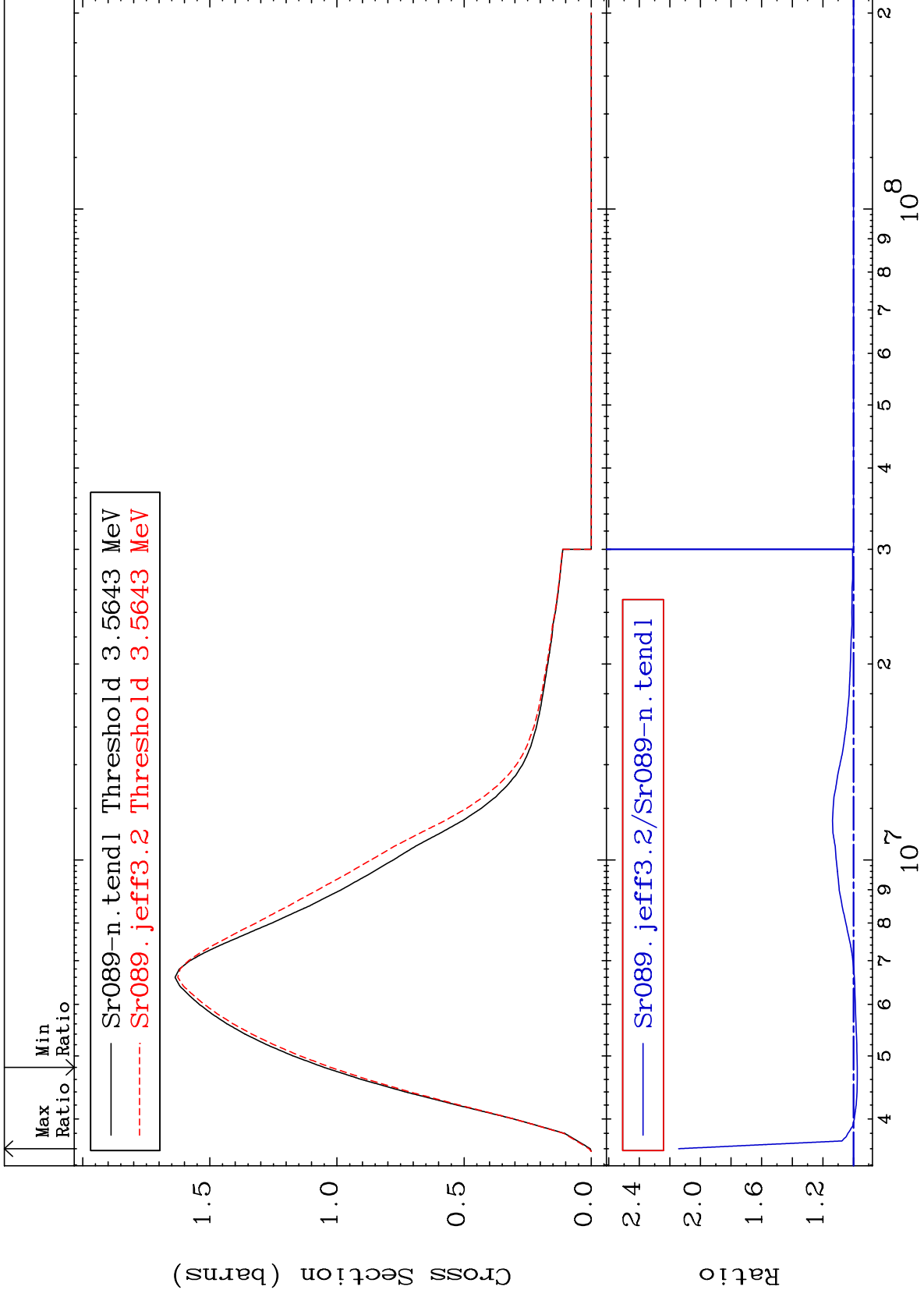
38-Sr-89



MAT 3840

(n, n') Continuum
Cross Section

38-Sr-89
-2.496 To 114.3 %



48

Incident Energy (eV)

38-Sr-89

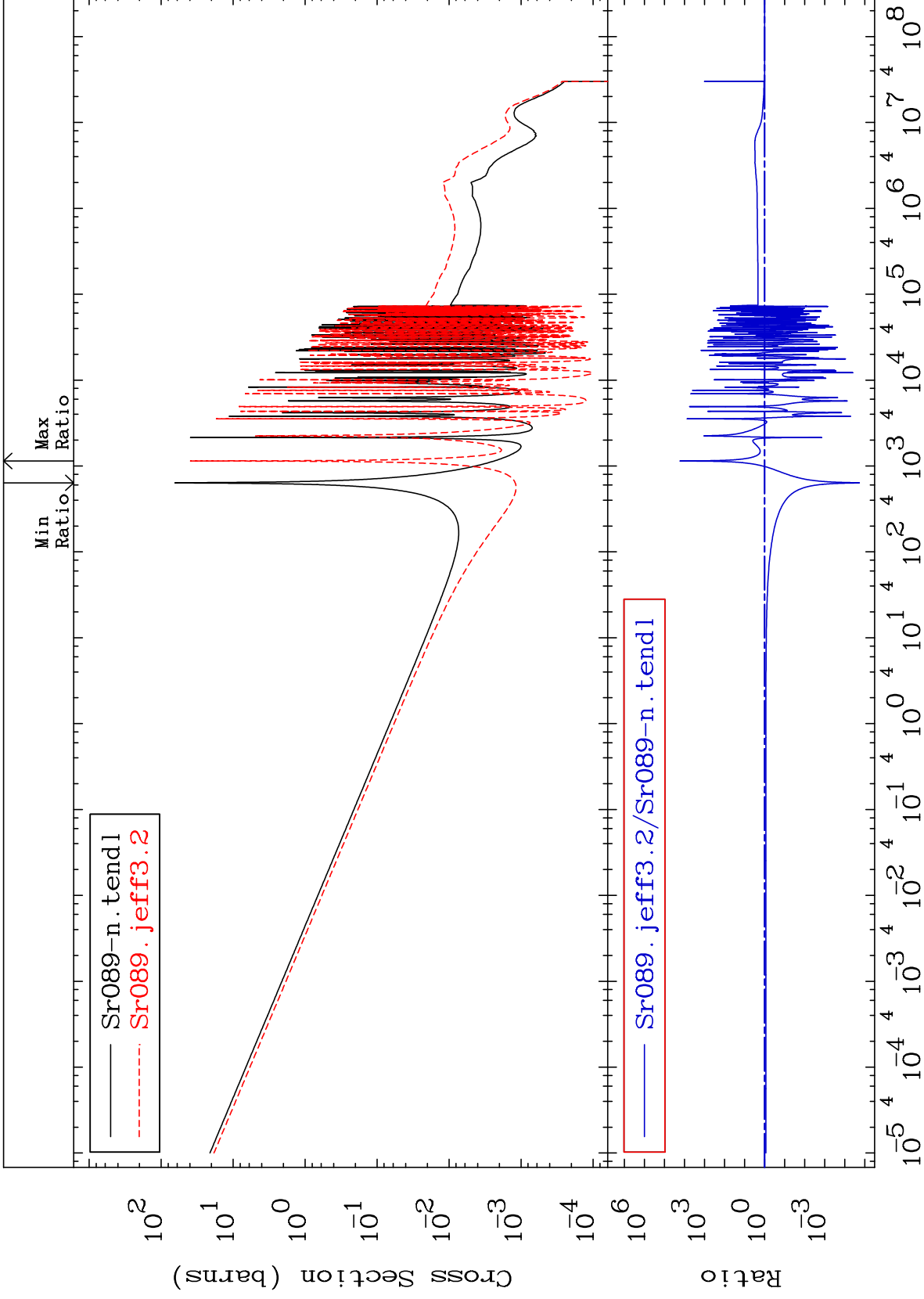
MAT 3840

(n, γ)

38-Sr-89

Cross Section

-100.0 To 9999. %



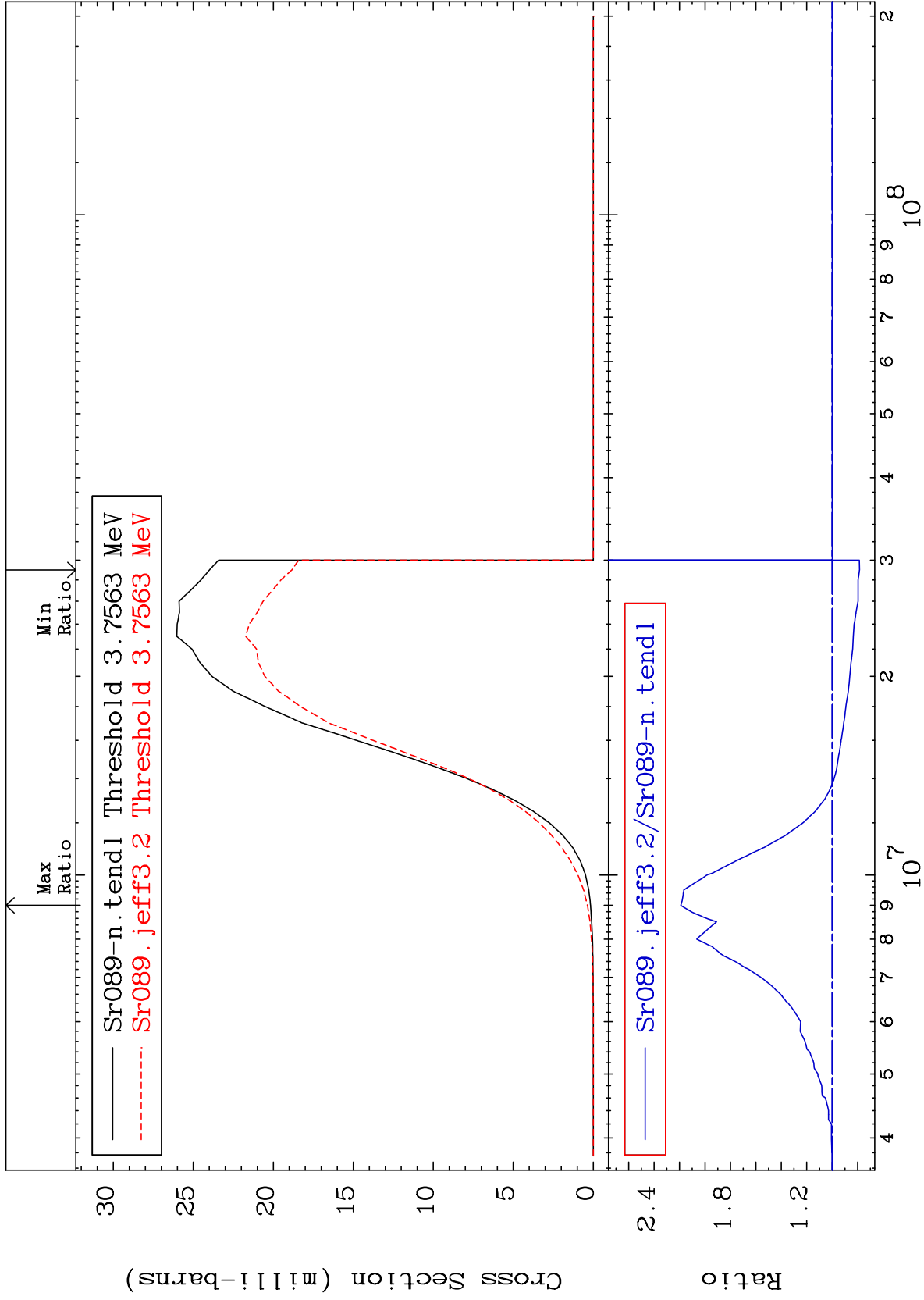
MAT 3840

(n,p)

³⁸Sr-89

Cross Section

-21.50 To 119.0 %



50

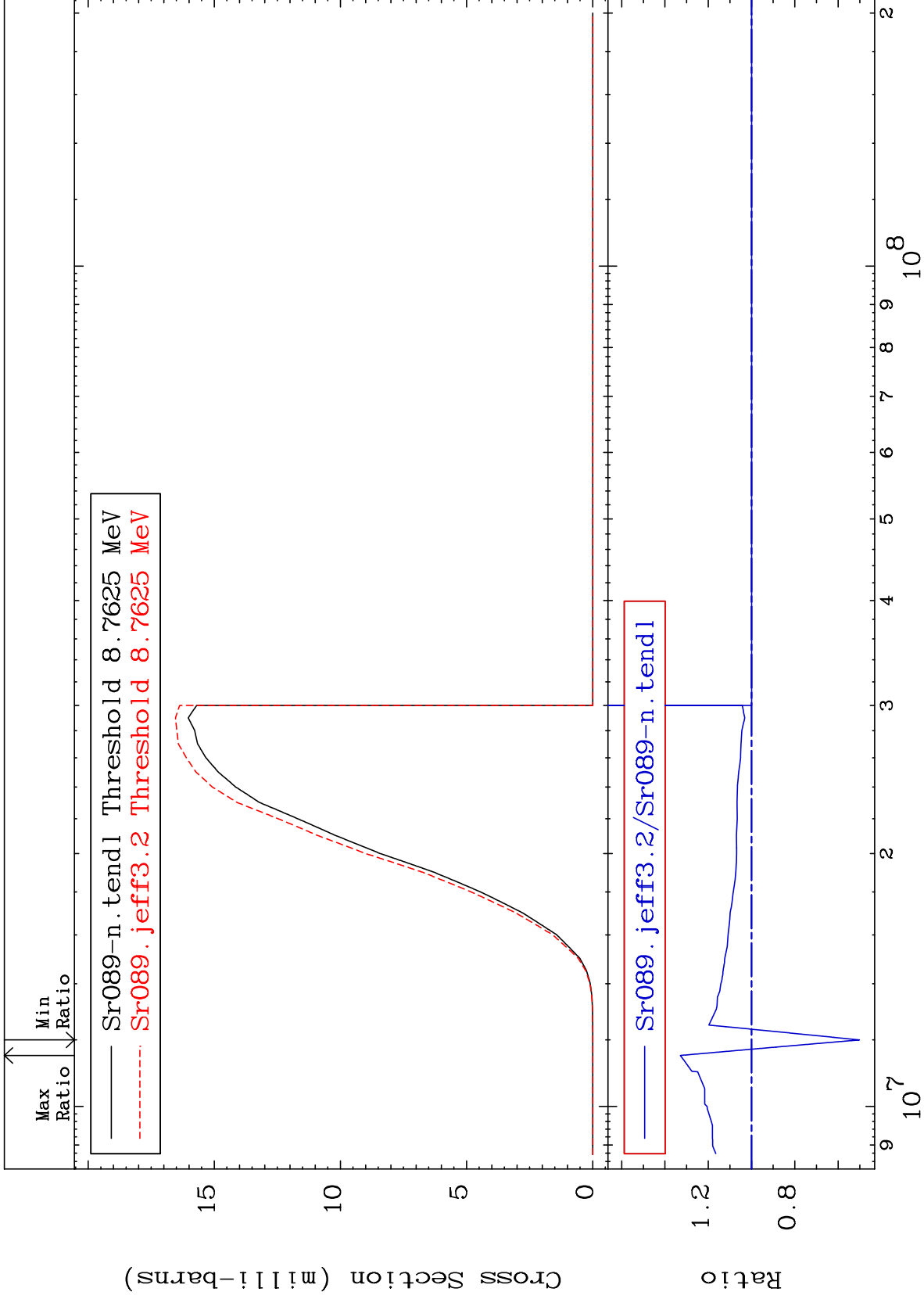
Incident Energy (eV)

³⁸Sr-89

MAT 3840

(n, d)
Cross Section

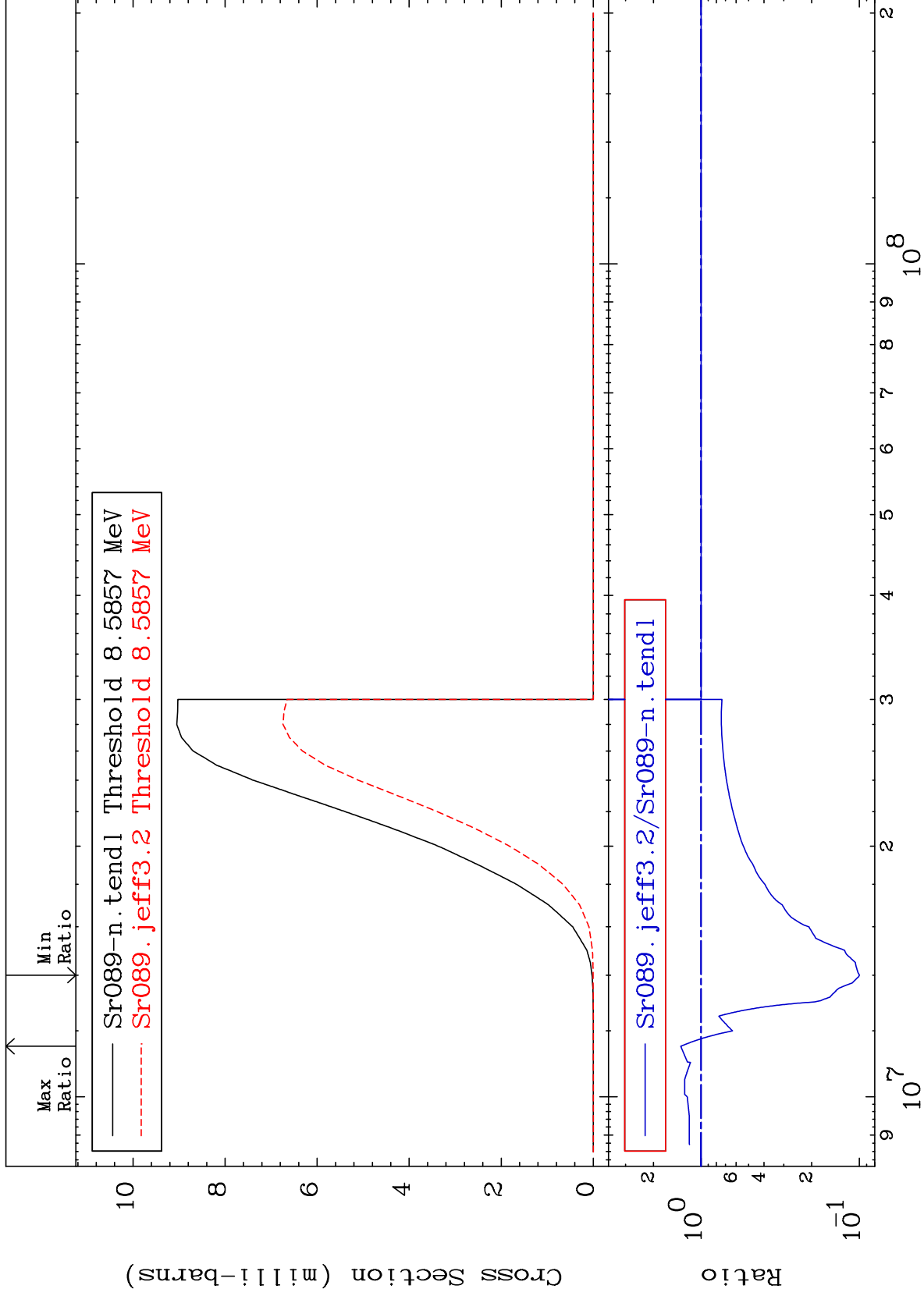
38-Sr-89
-49.85 To 32.88 %



MAT 3840

(n, t)
Cross Section

38-Sr-89
-90.03 To 34.26 %



52

38-Sr-89

38-Sr-89

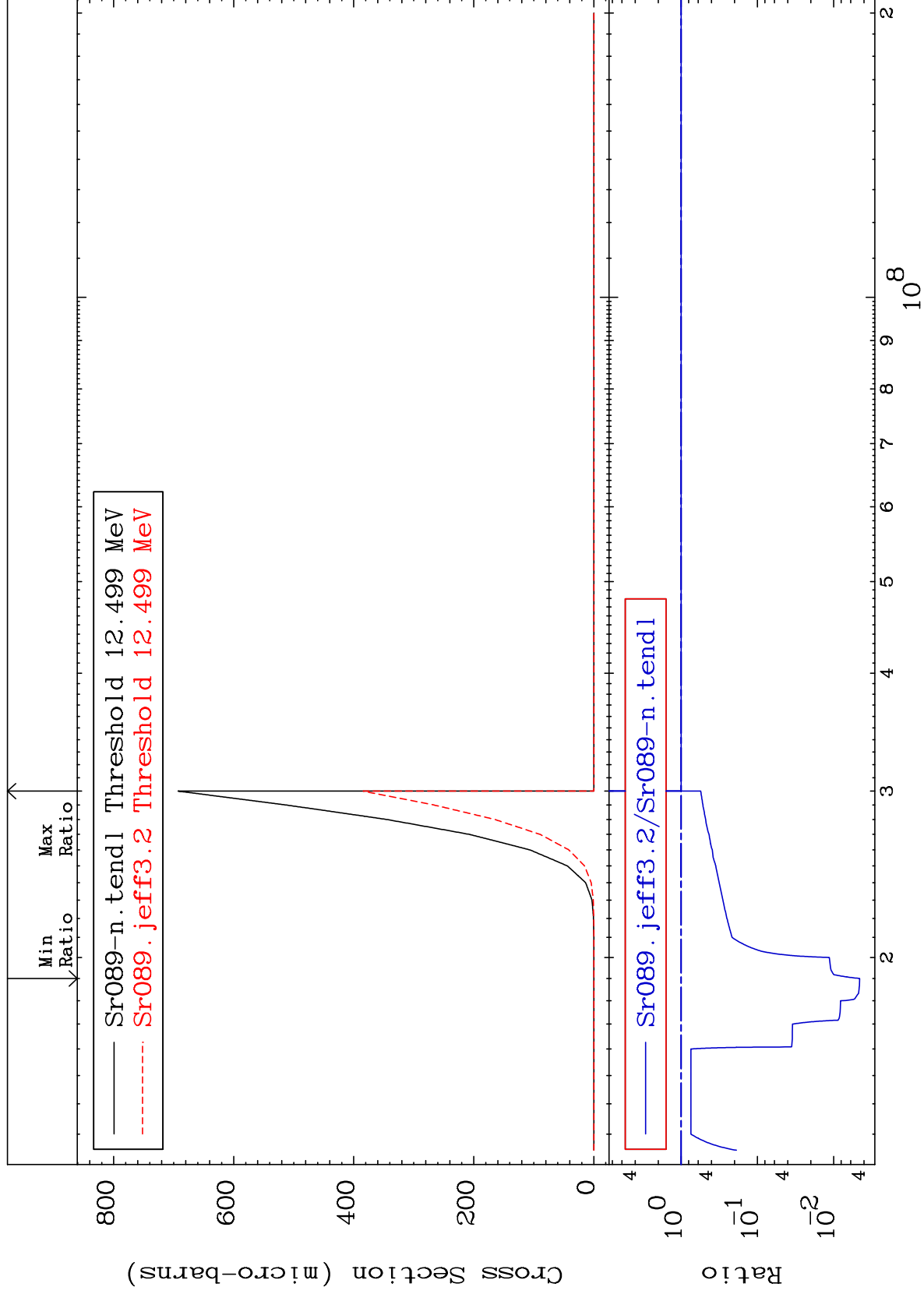
MAT 3840

(n, He-3)

38-Sr-89

Cross Section

-99.54 To 0.000 %



53

Incident Energy (eV)

38-Sr-89

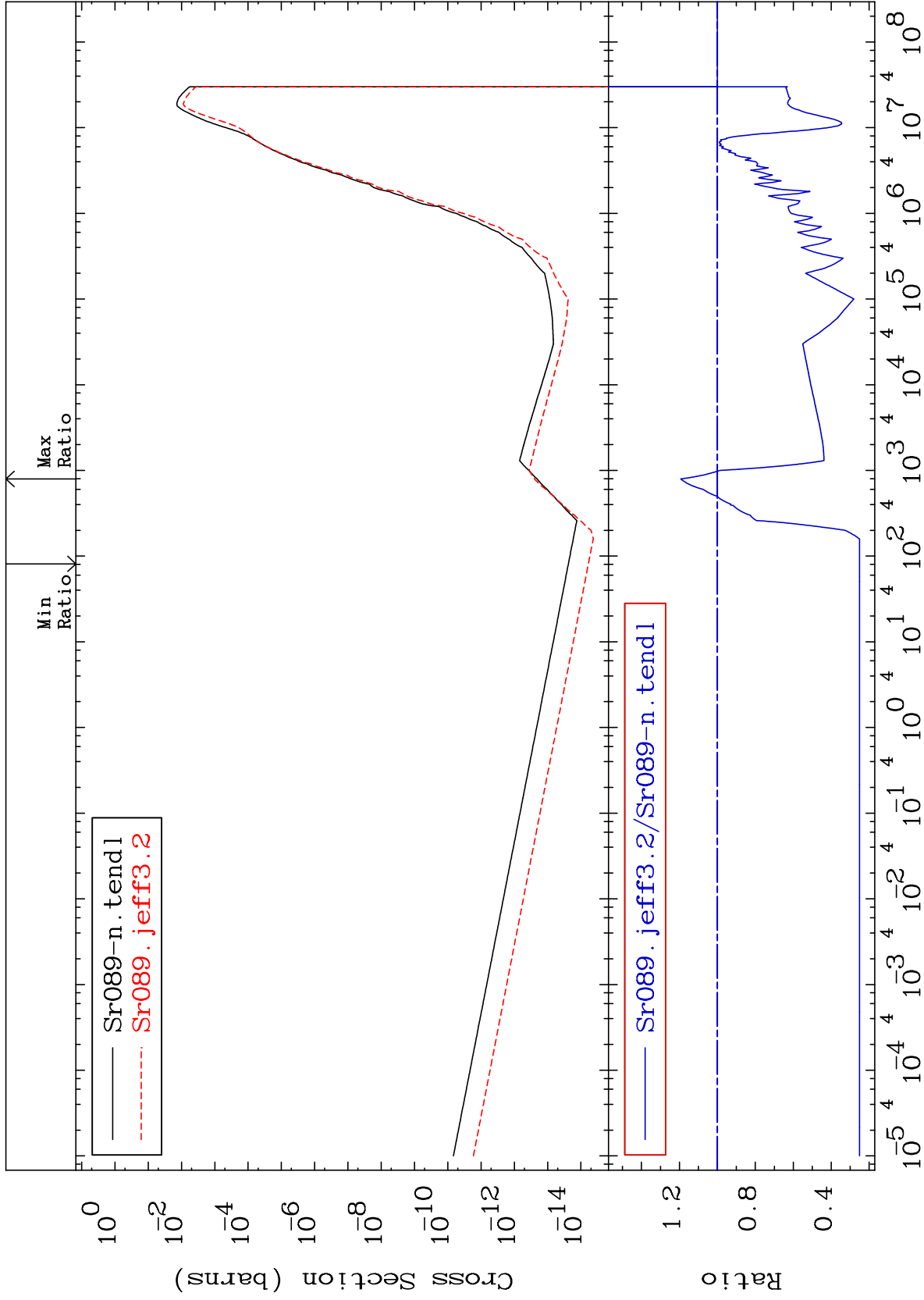
MAT 3840

(n, α)

38-Sr-89

Cross Section

-74.92 To 19.29 %



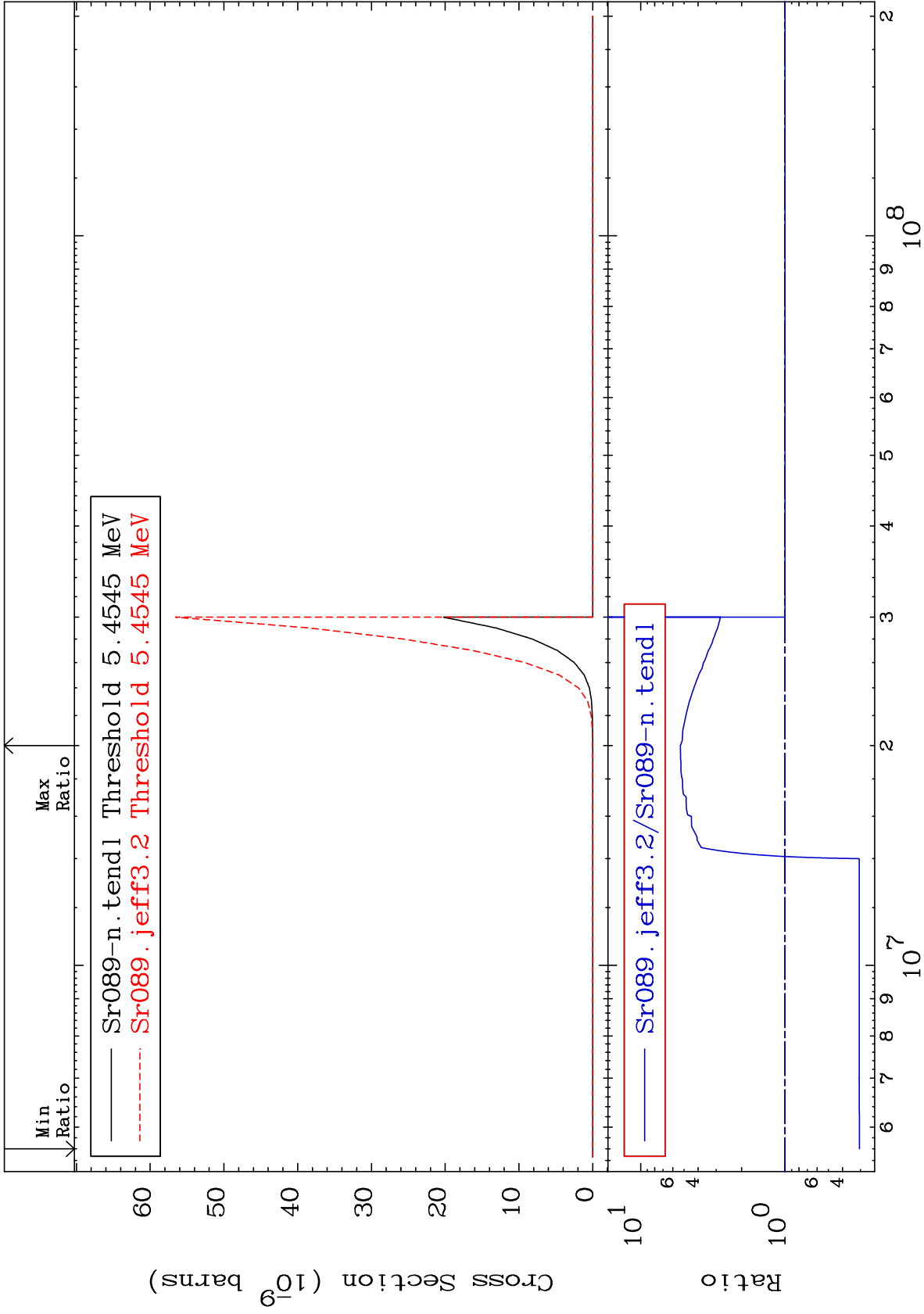
MAT 3840

(n,2α)

38-Sr-89

Cross Section

-69.50 To 431.0 %



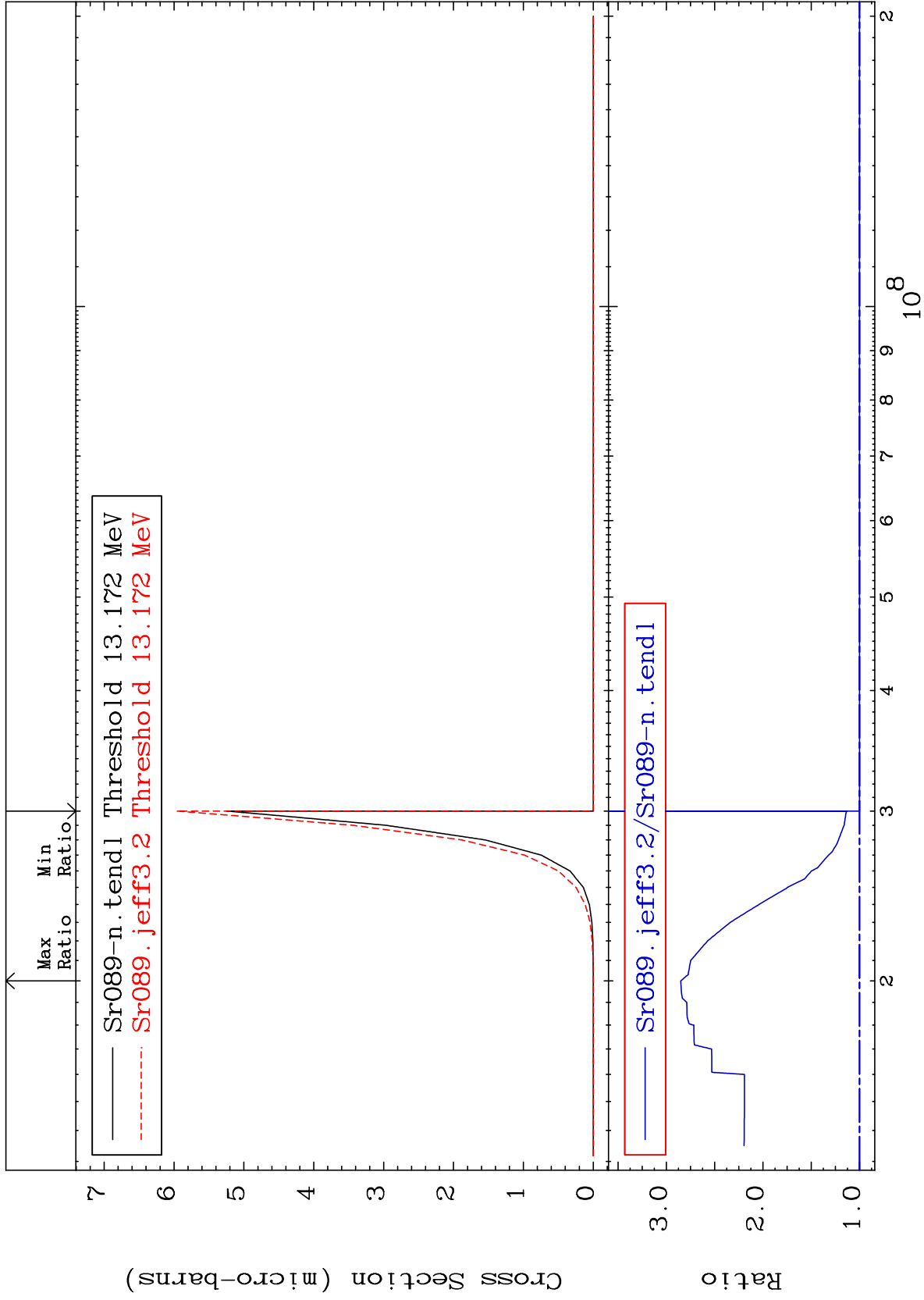
MAT 3840

(n,2p)

38-Sr-89

Cross Section

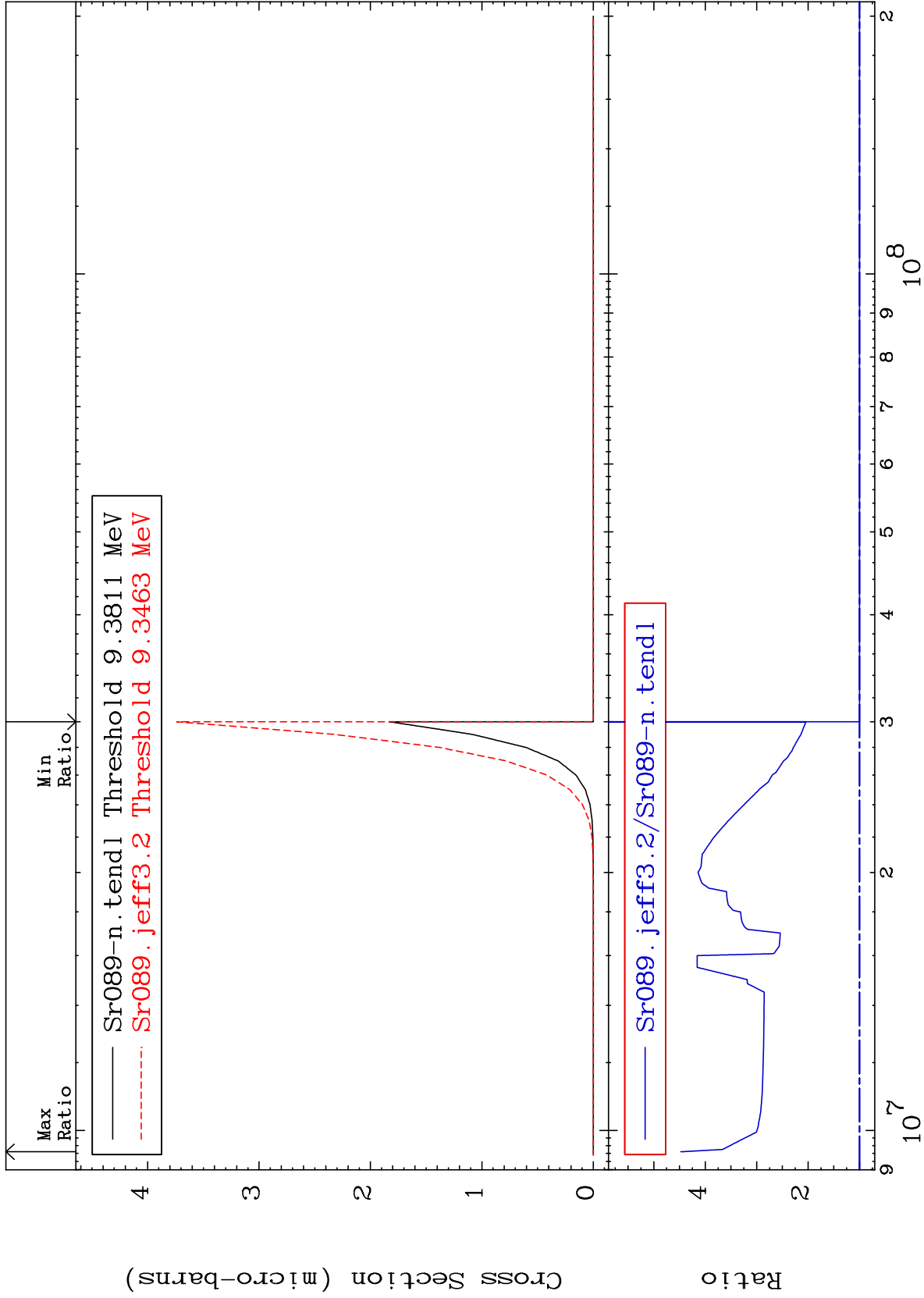
0.000 To 185.1 %



MAT 3840

(n,p) α
Cross Section

38-Sr-89
To 347.6 %
0.000



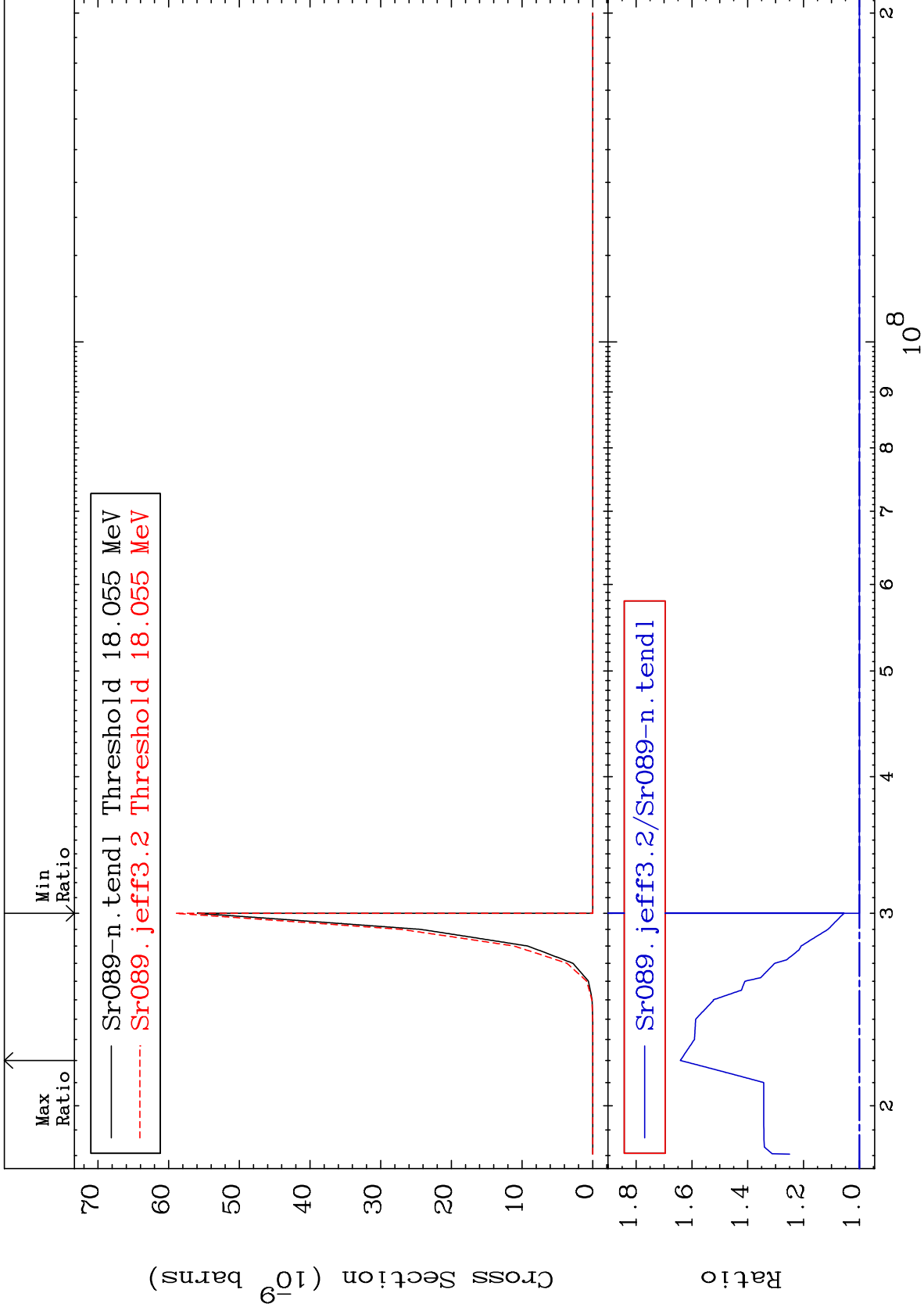
57

38-Sr-89

MAT 3840

(n,p) d
Cross Section

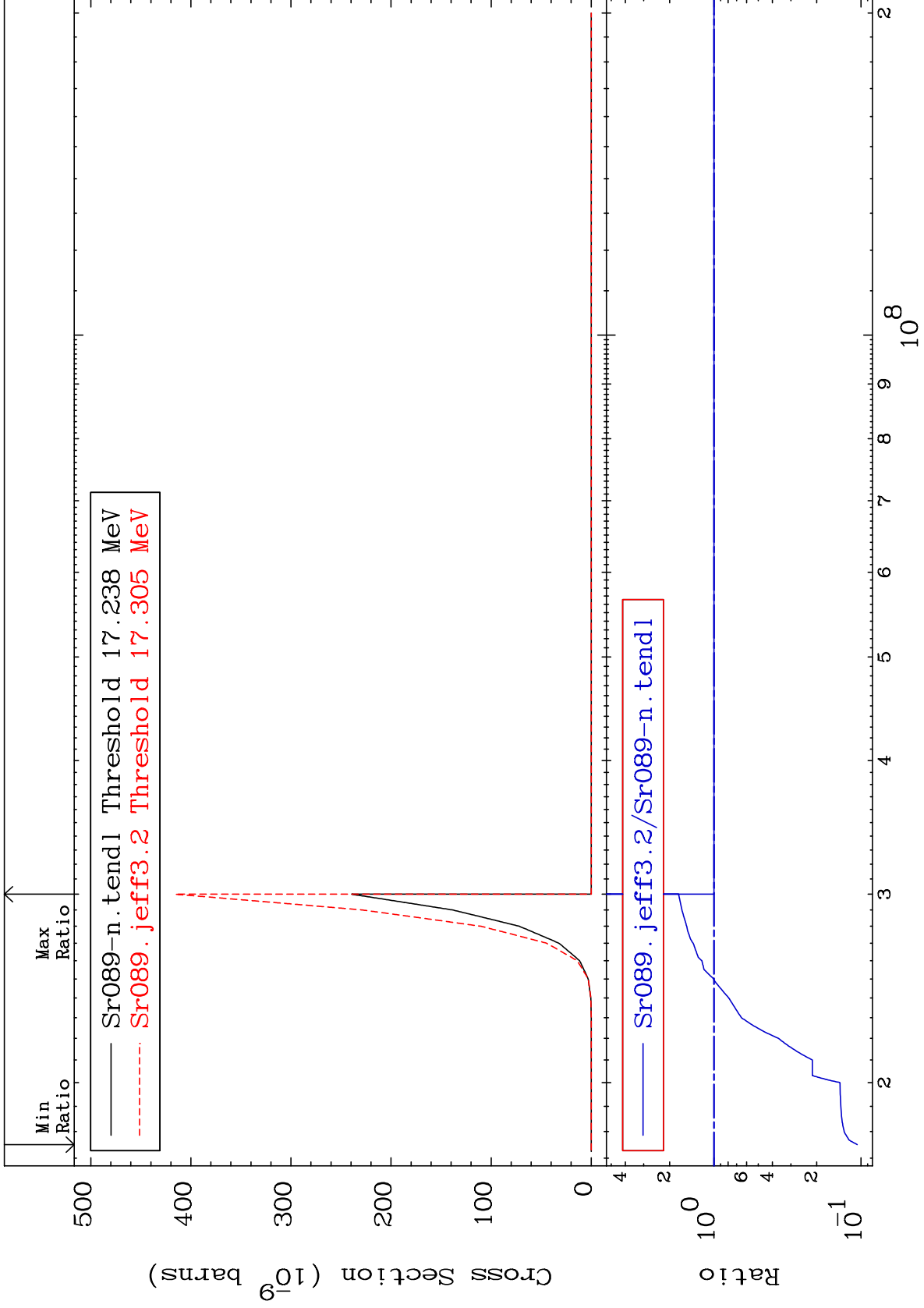
38-Sr-89
0.000 To 64.13 %



MAT 3840

(n,p) t
Cross Section

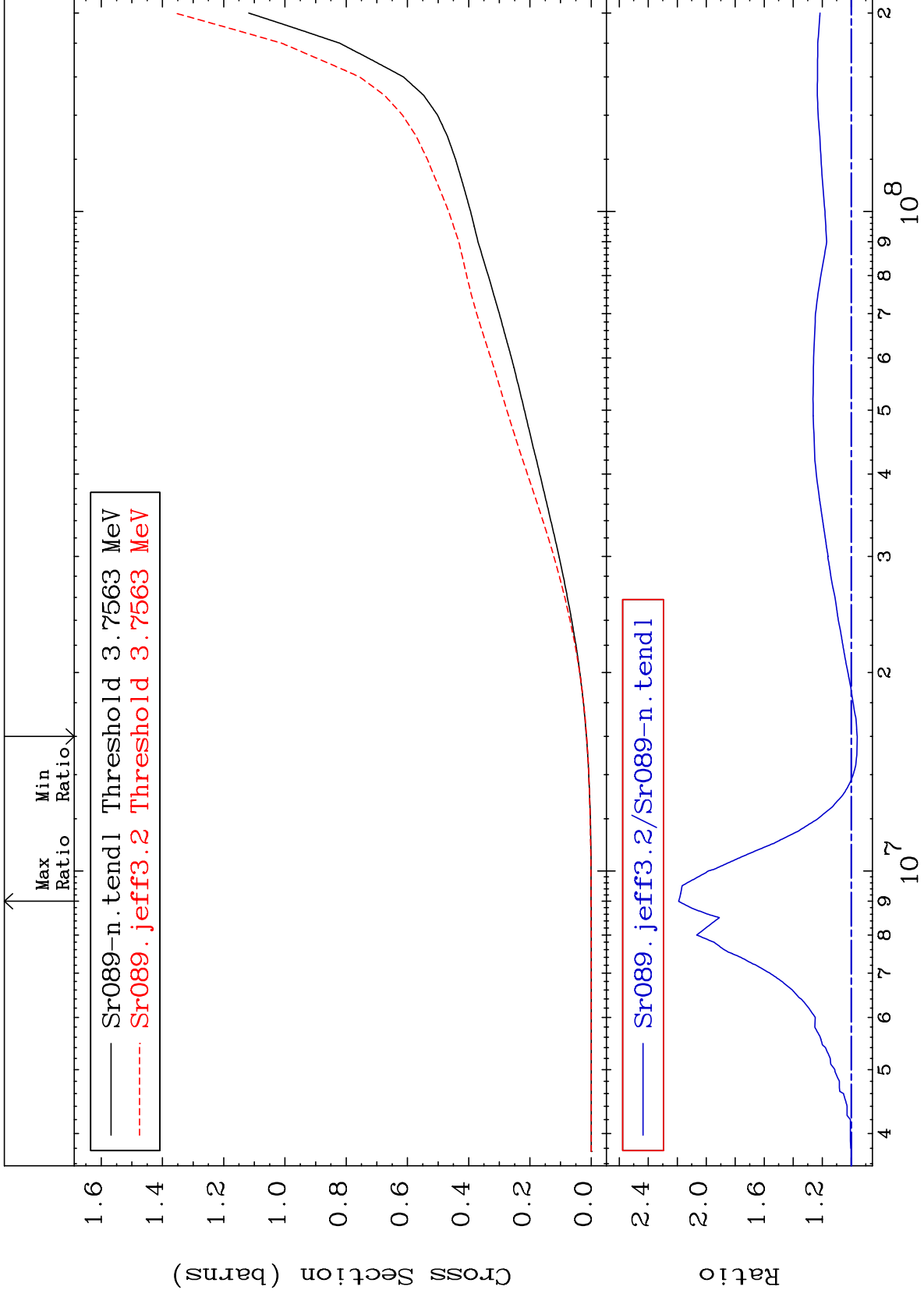
38-Sr-89
-89.39 To 73.76 %



MAT 3840

Hydrogen Production
Cross Section

38-Sr-89
-4.174 To 119.0 %



60

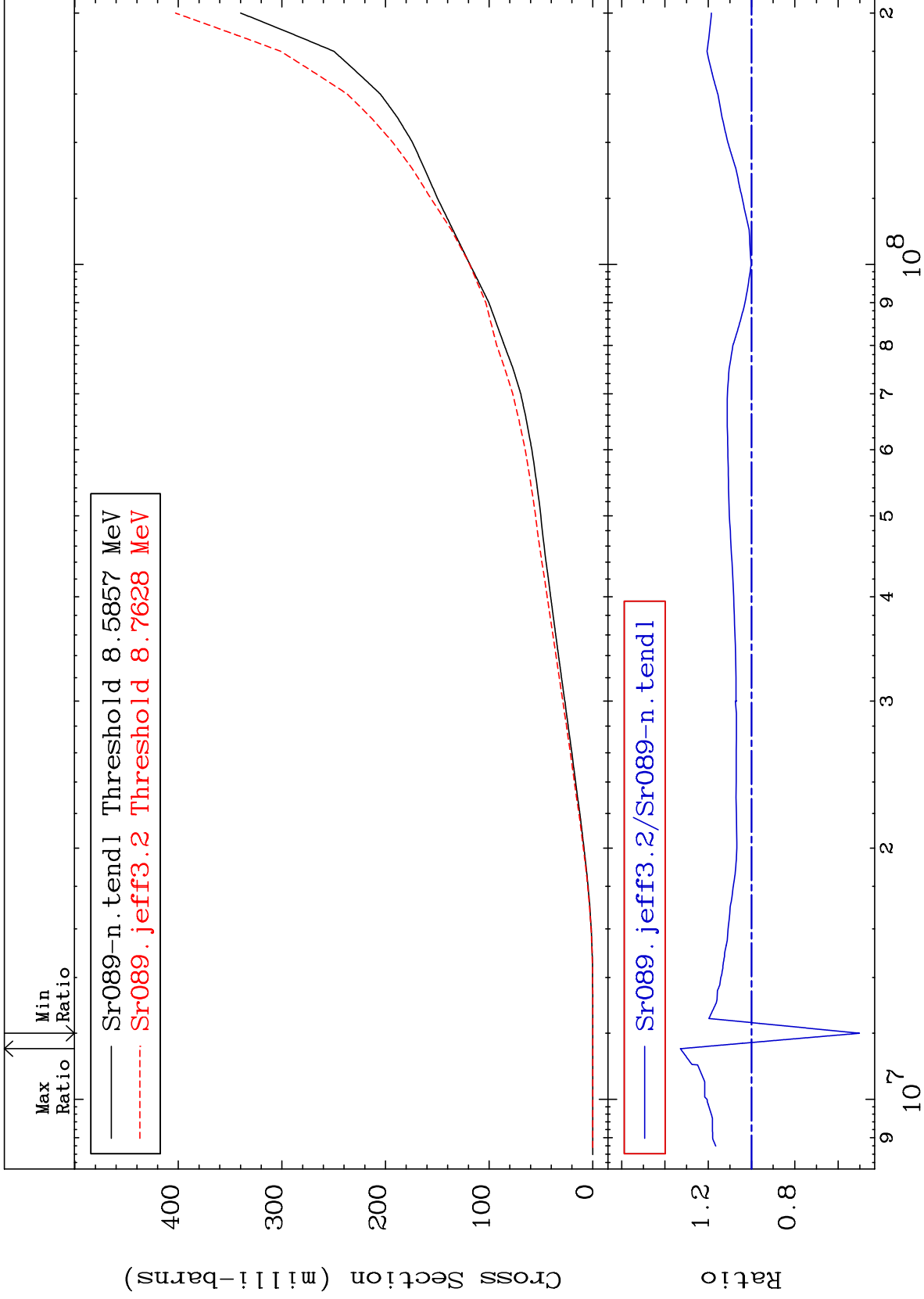
Incident Energy (eV)

38-Sr-89

MAT 3840

Deuterium Production
Cross Section

³⁸Sr-89
-49.85 To 32.88 %



61

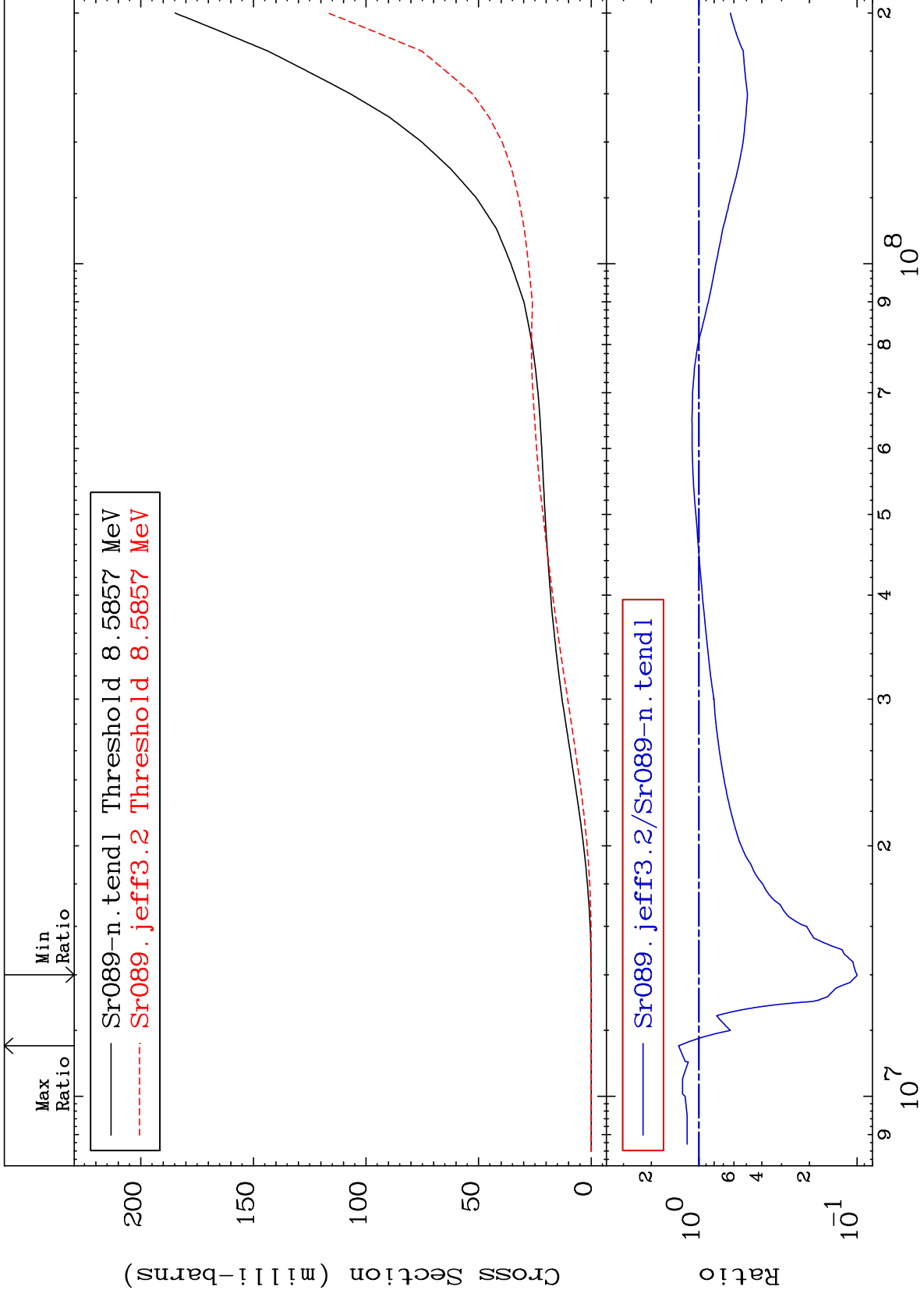
Incident Energy (eV)

³⁸Sr-89

MAT 3840

Tritium Production
Cross Section

38-Sr-89
-90.03 To 34.26 %



62

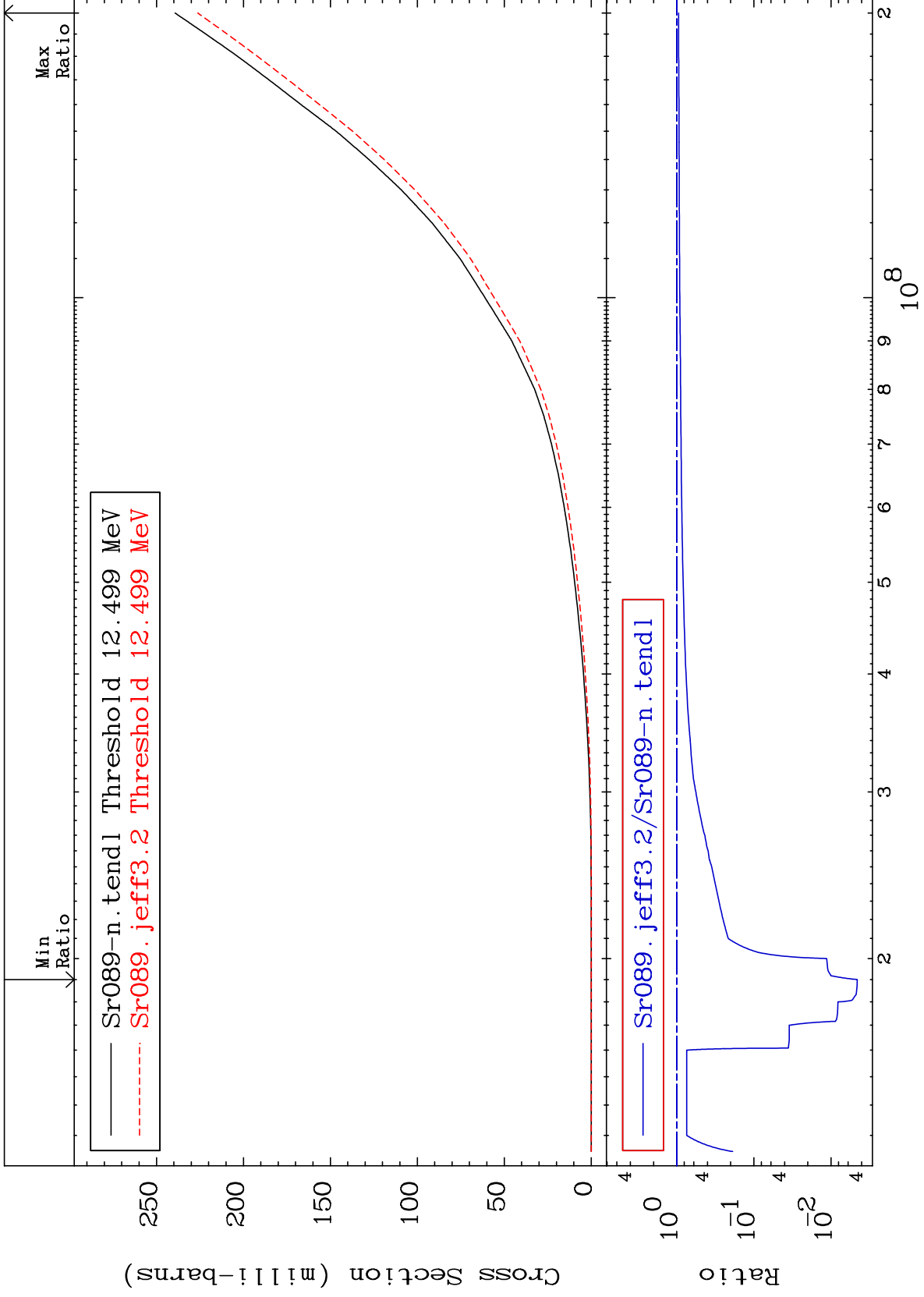
Incident Energy (eV)

38-Sr-89

MAT 3840

He-3 Production
Cross Section

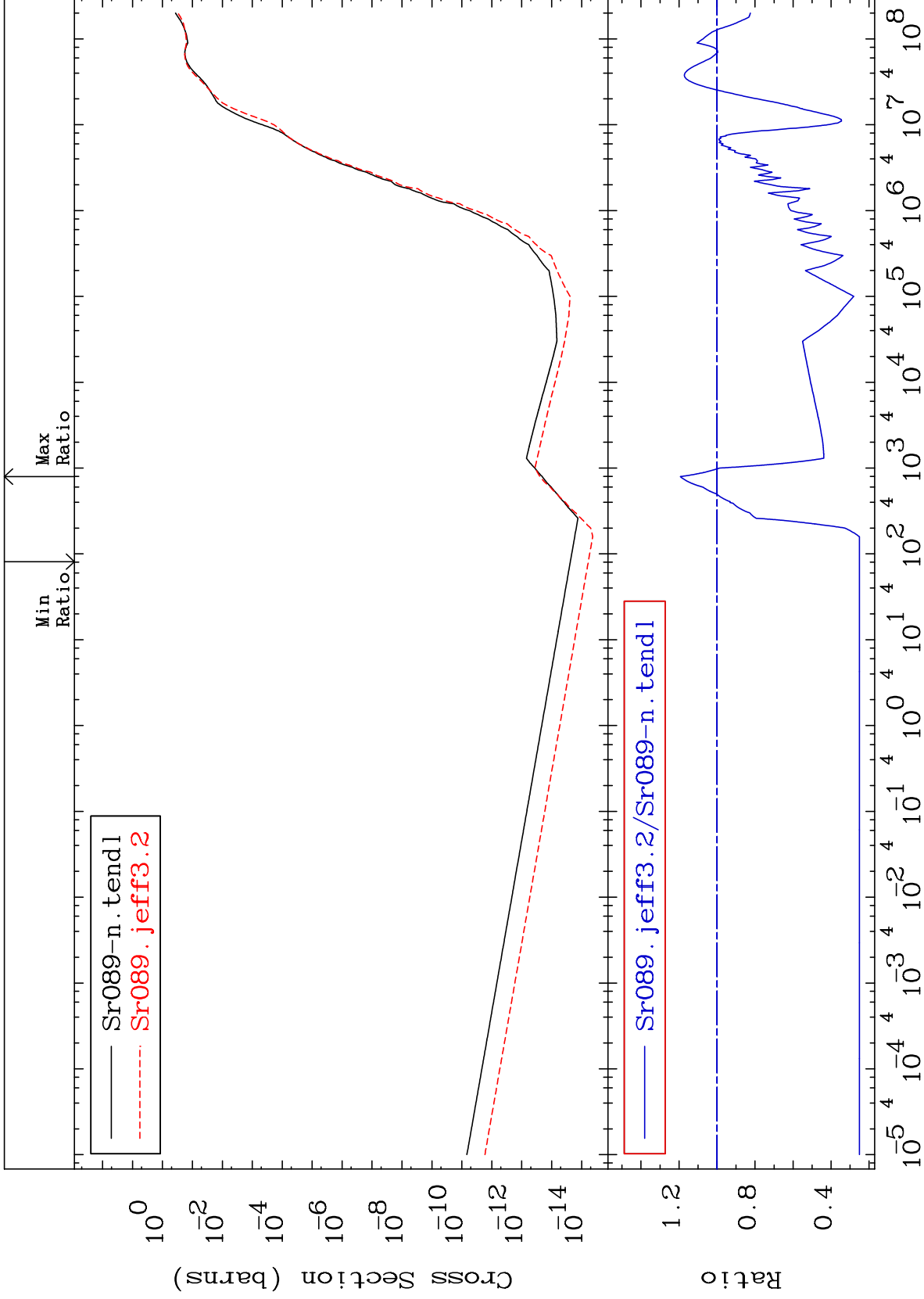
38-Sr-89
-99.54 To -5.459%



MAT 3840

He-4 Production
Cross Section

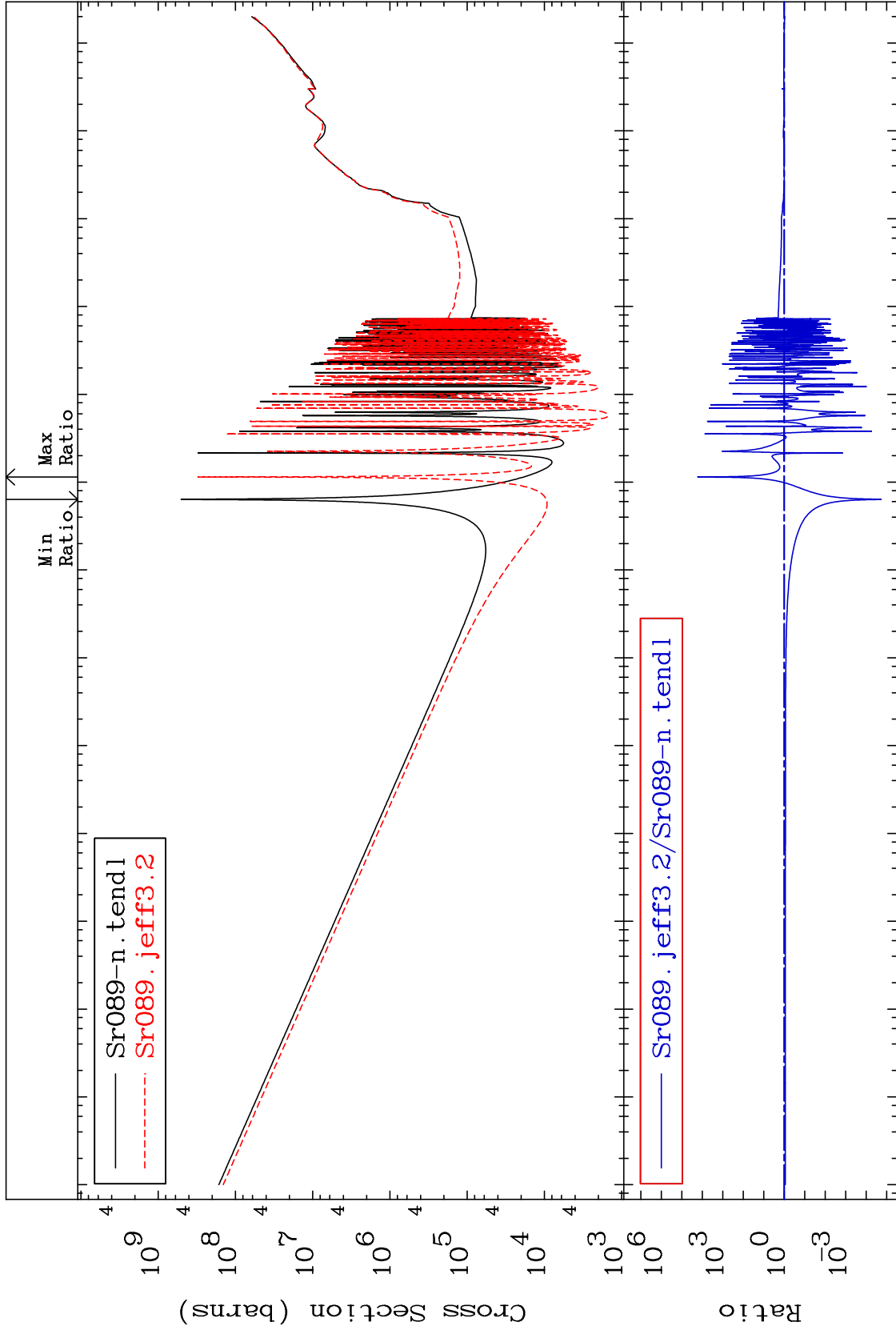
38-Sr-89
-74.92 To 19.29 %



64

Incident Energy (eV)

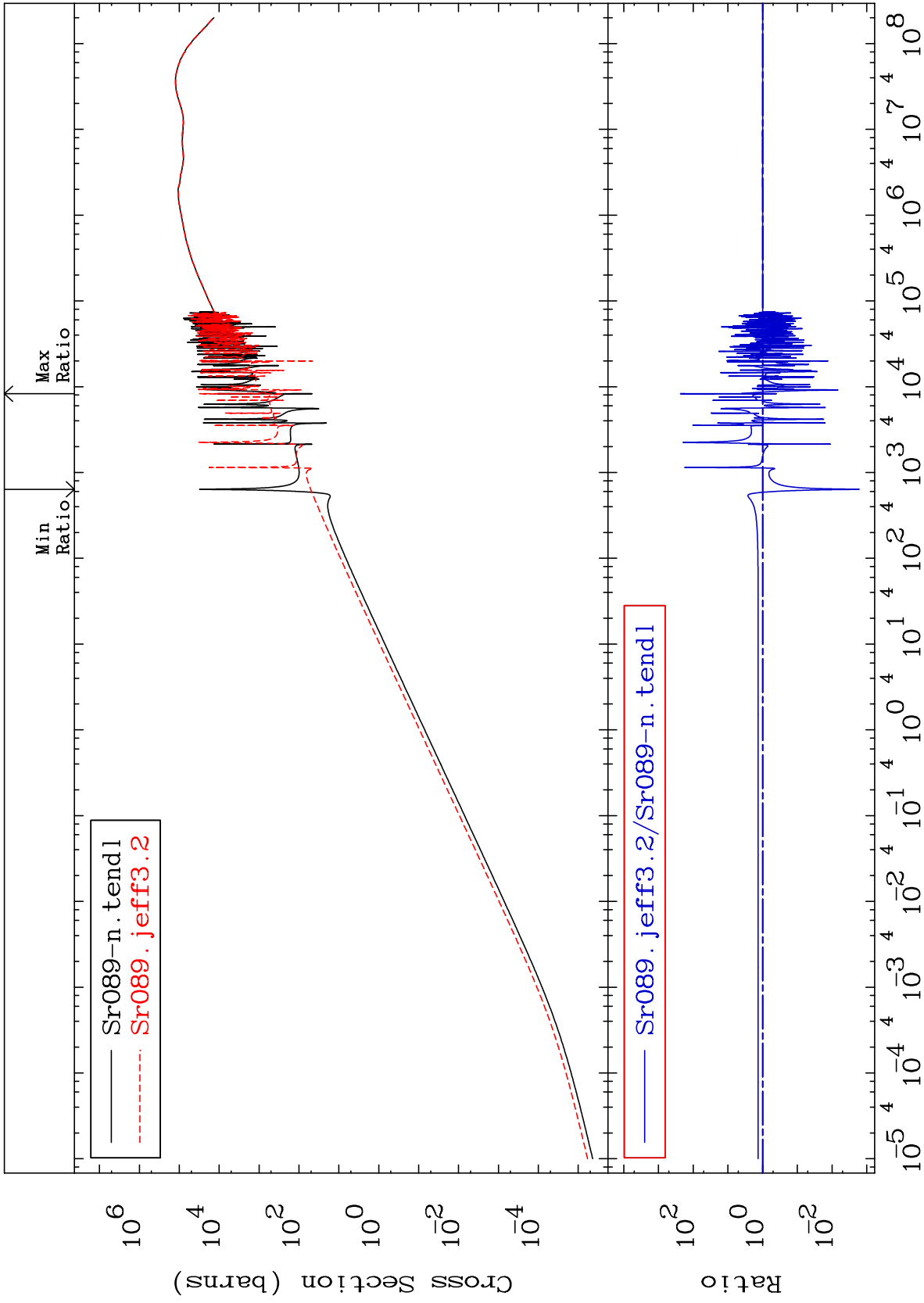
38-Sr-89

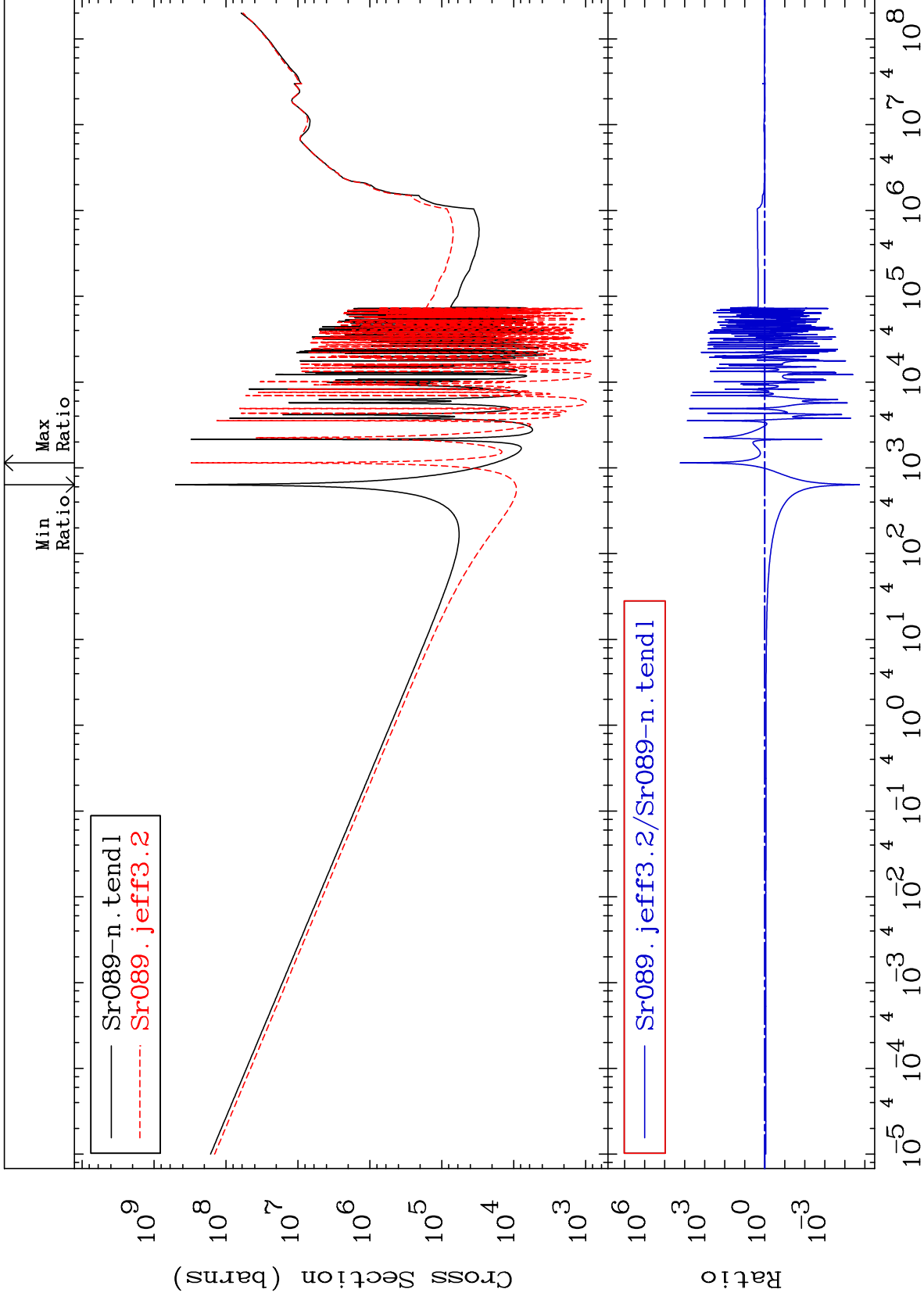


MAT 3840

Kerma elastic
Cross Section

38-Sr-89
-99.84 To 9999. %

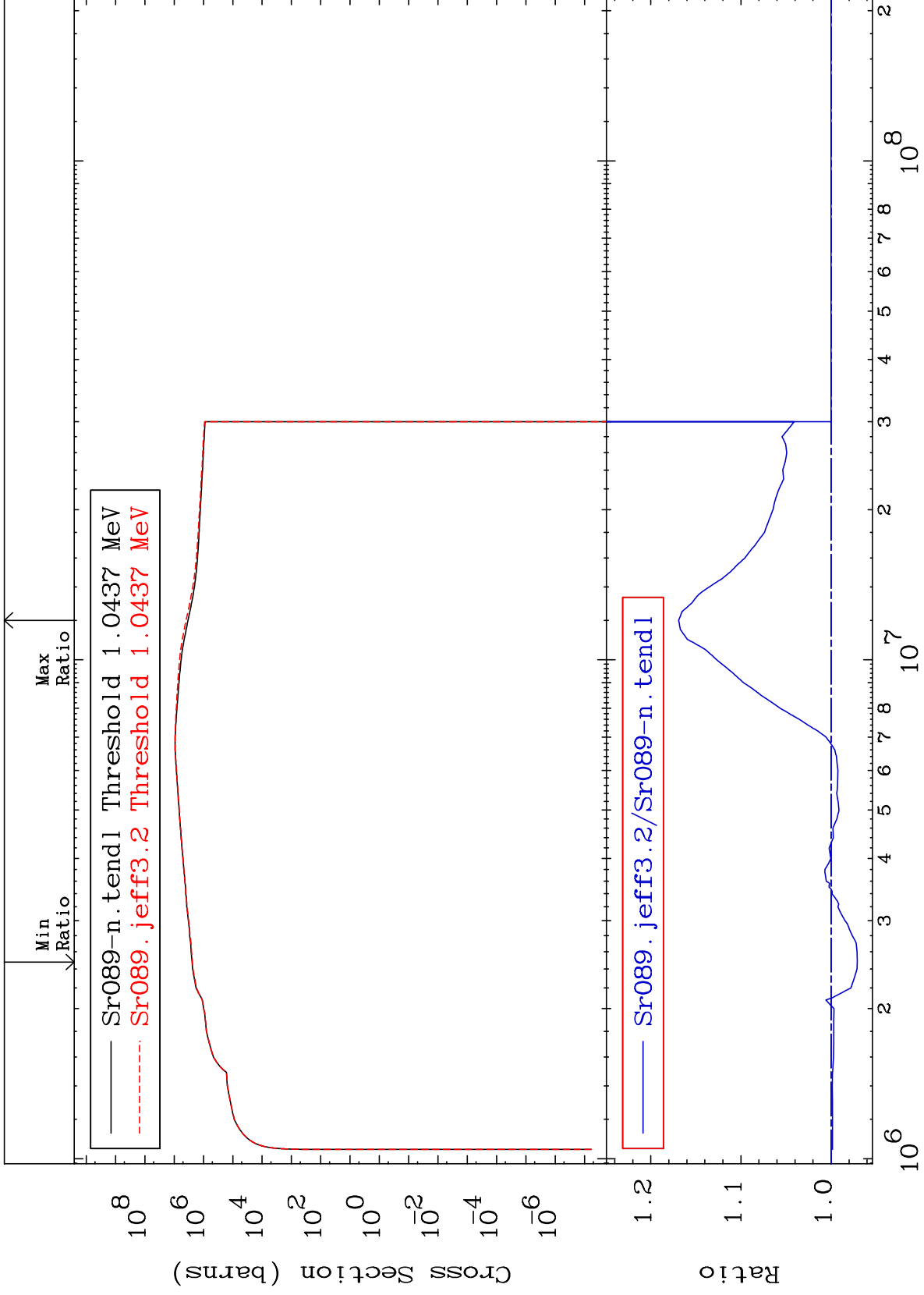




MAT 3840

Kerma inelastic (mt51-91)
Cross Section

38-Sr-89
-2.906 To 16.91 %



68

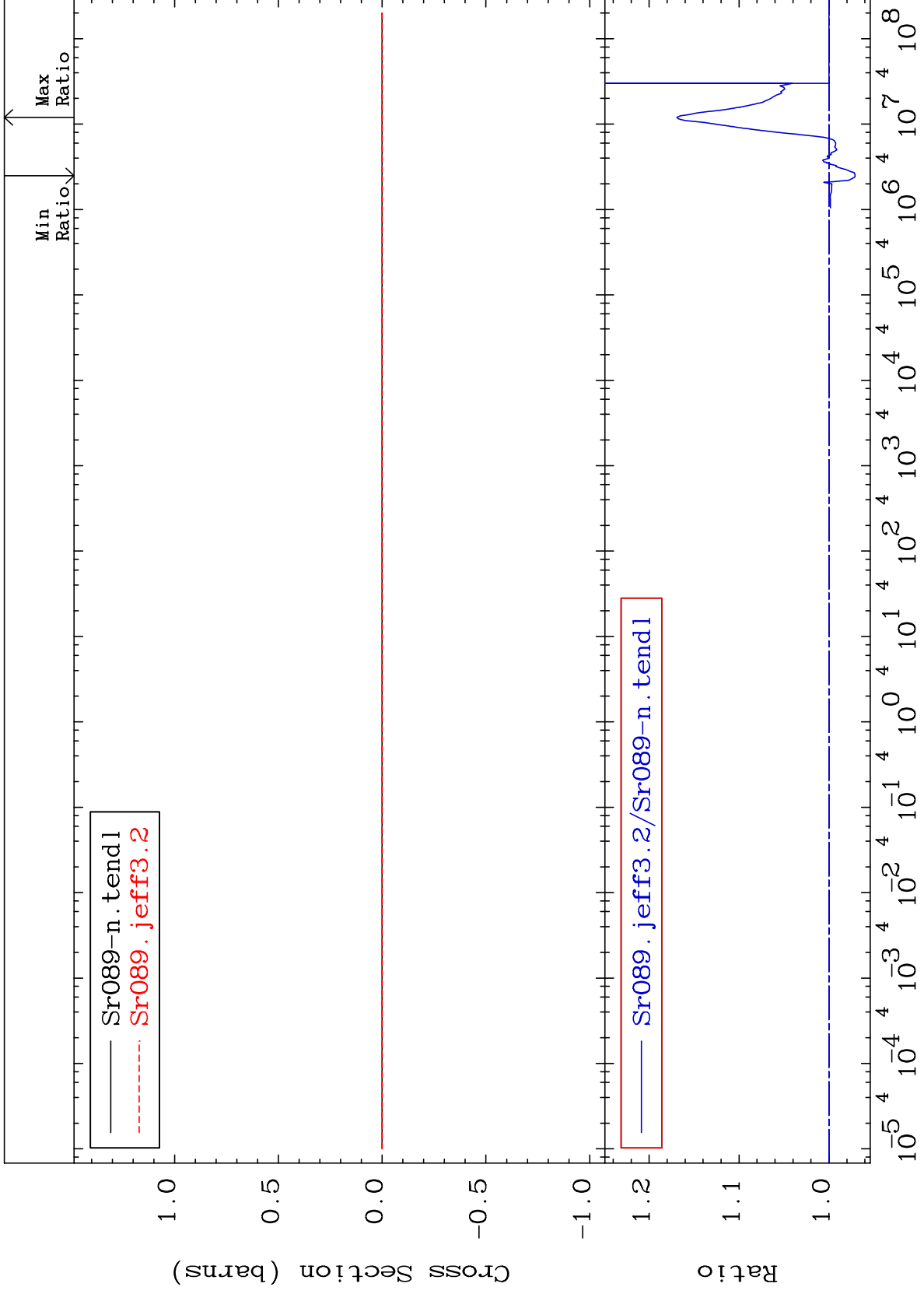
Incident Energy (eV)

38-Sr-89

MAT 3840

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

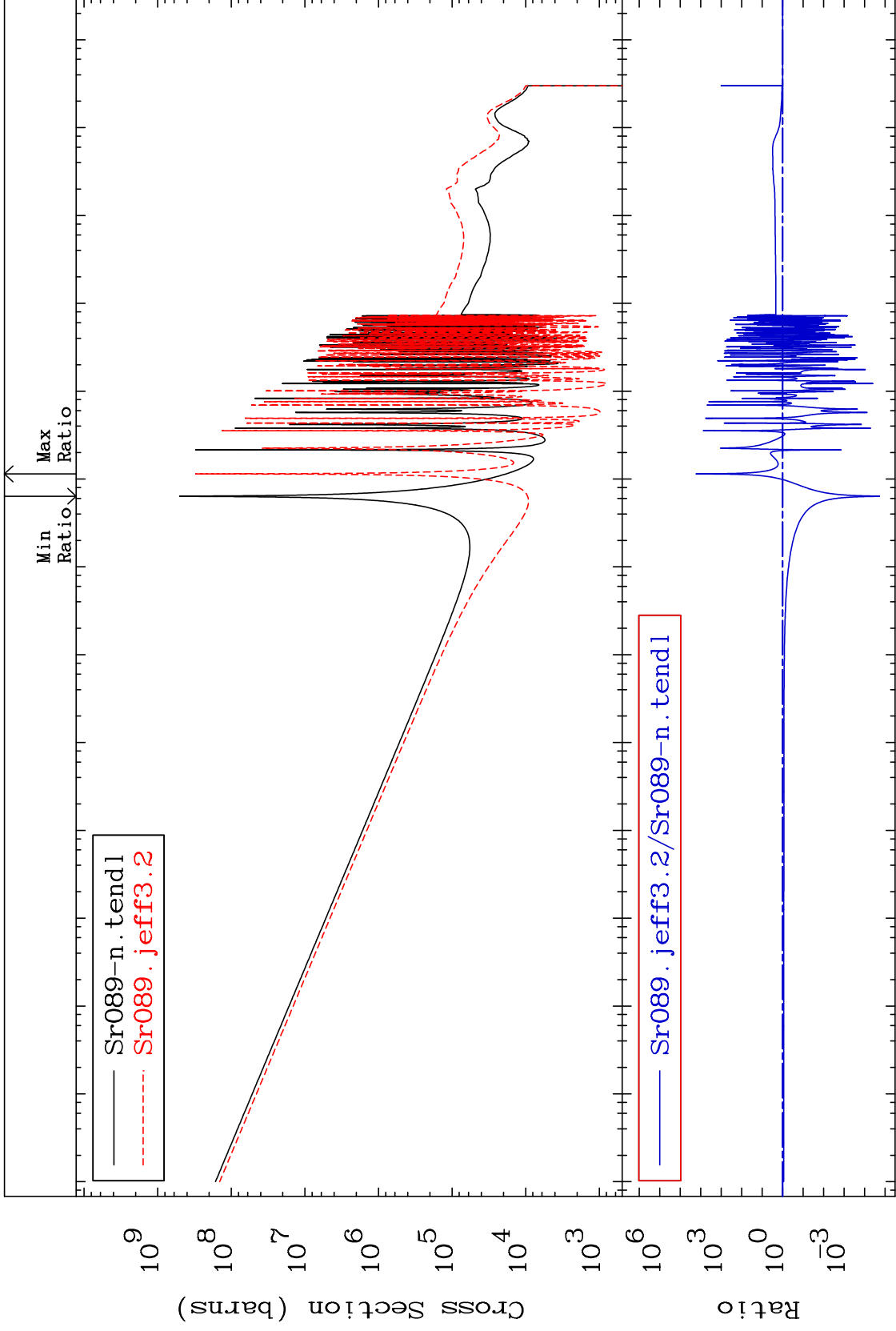
38-Sr-89
-2.906 To 16.91 %



MAT 3840

Kerma capture (mt102)
Cross Section

38-Sr-89
-100.0 To 9999. %



70

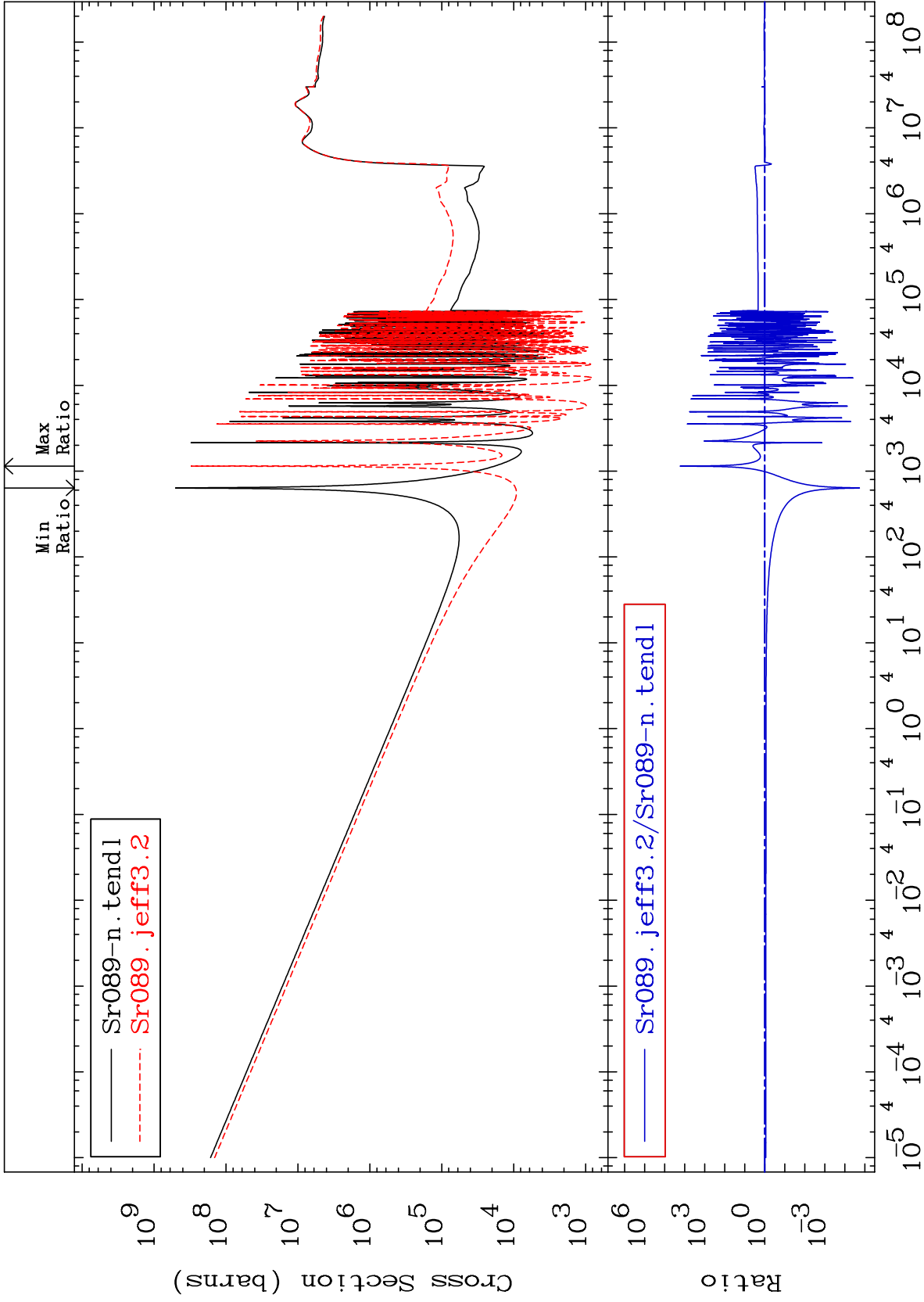
Incident Energy (eV)

38-Sr-89

MAT 3840

Total photon (eV-barns)
Cross Section

38-Sr-89
-100.0 To 9999. %



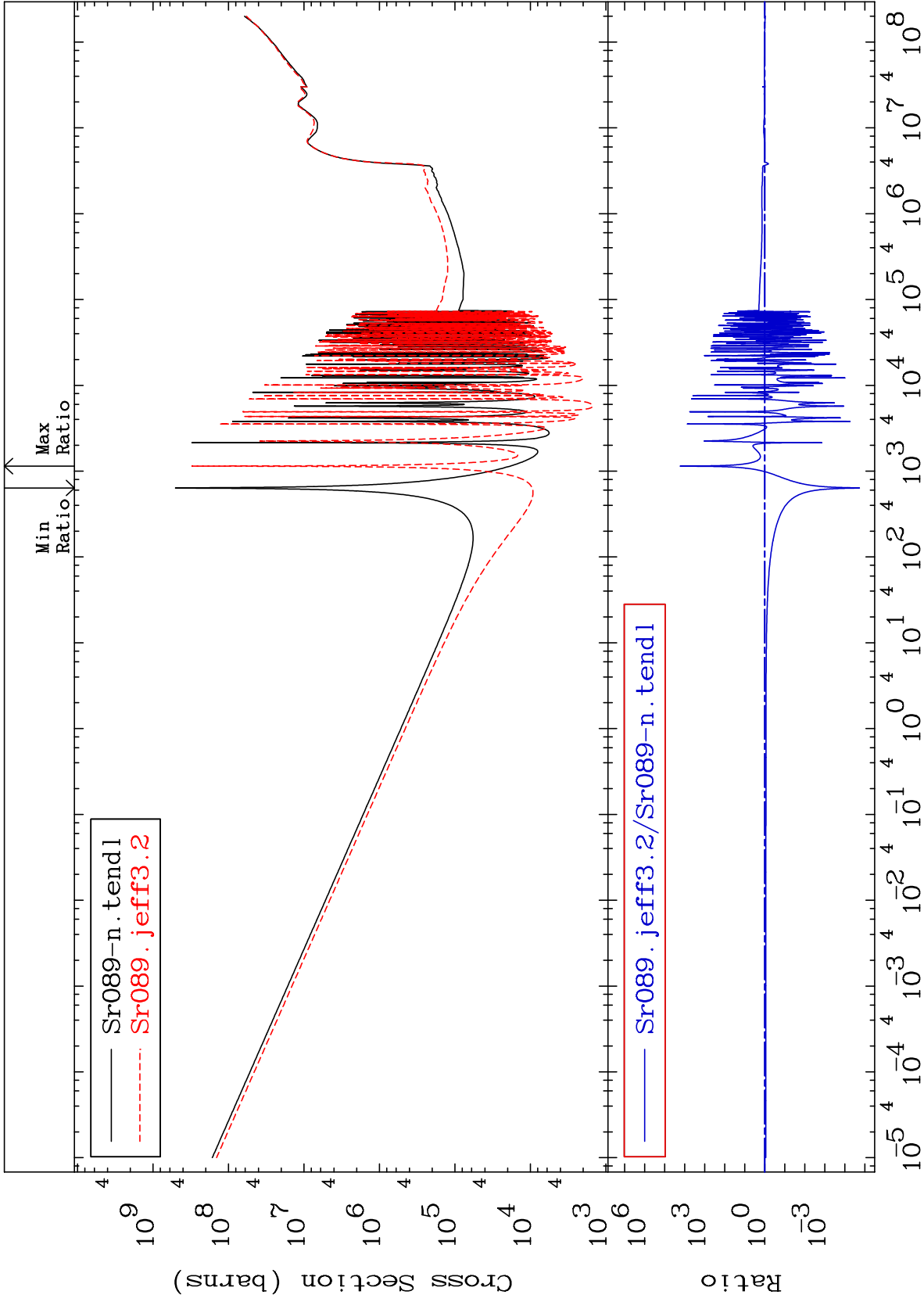
— Sr089-n.tendl
- - - Sr089.jeff3.2

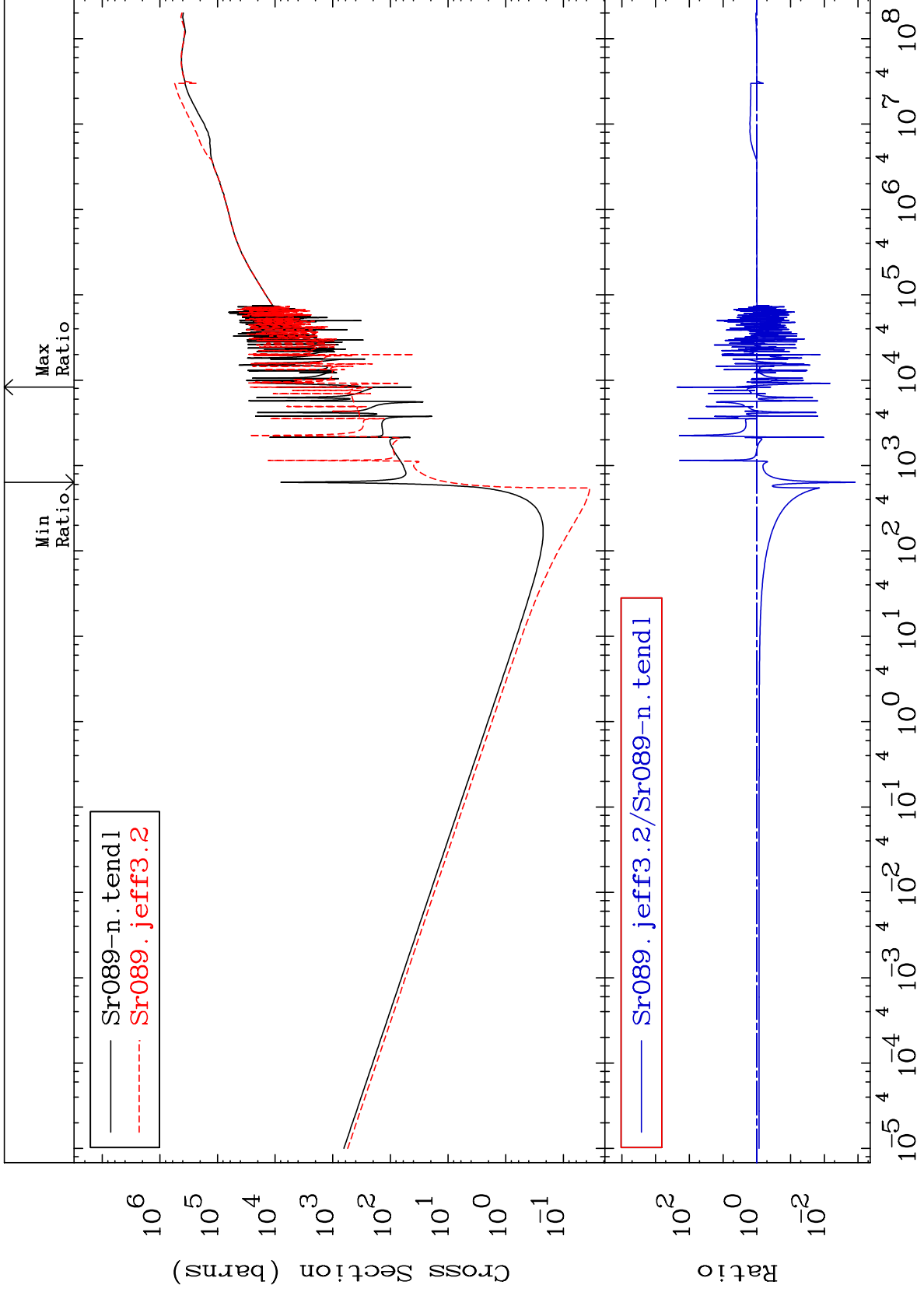
— Sr089.jeff3.2/Sr089-n.tendl

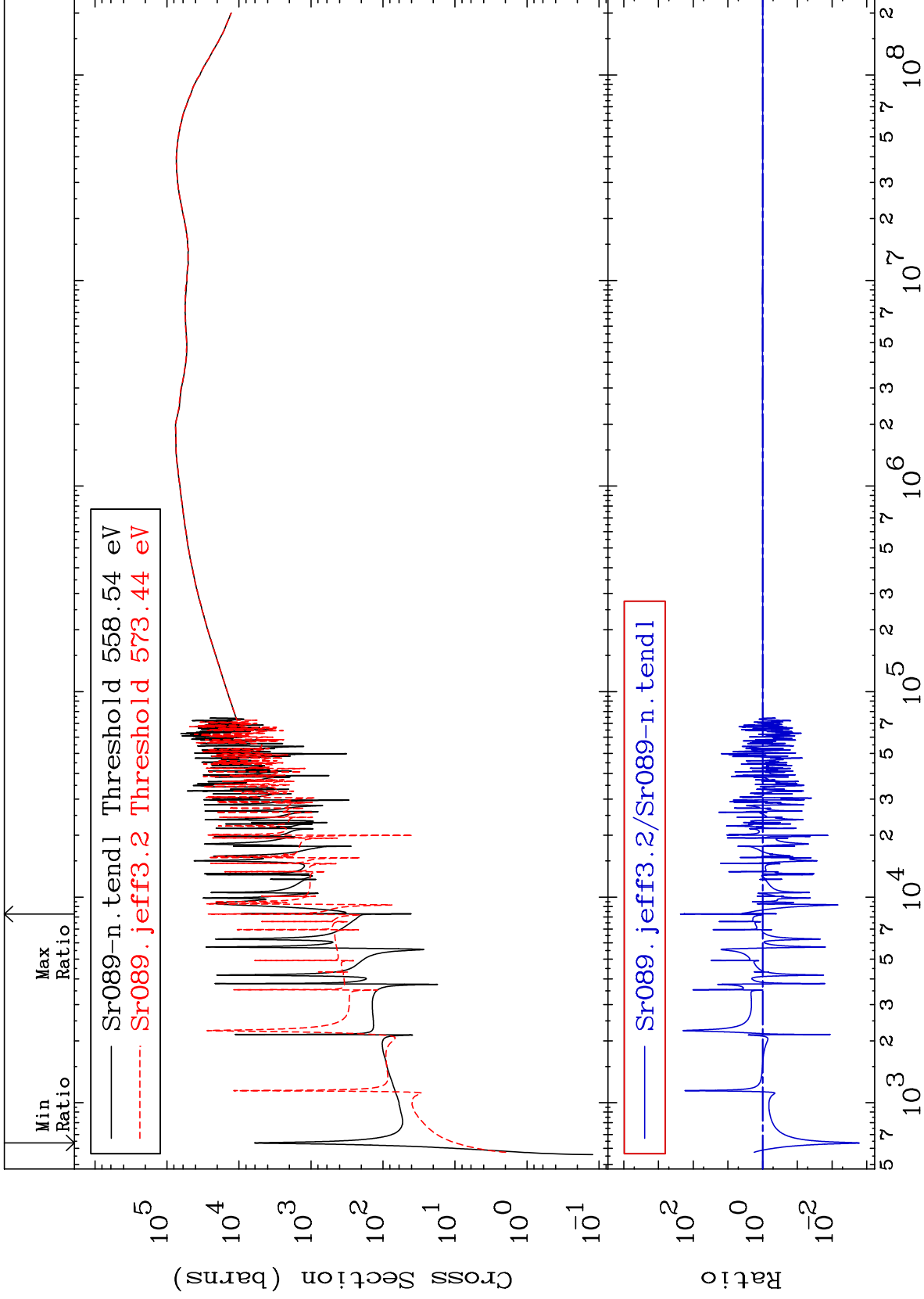
71

Incident Energy (eV)

38-Sr-89



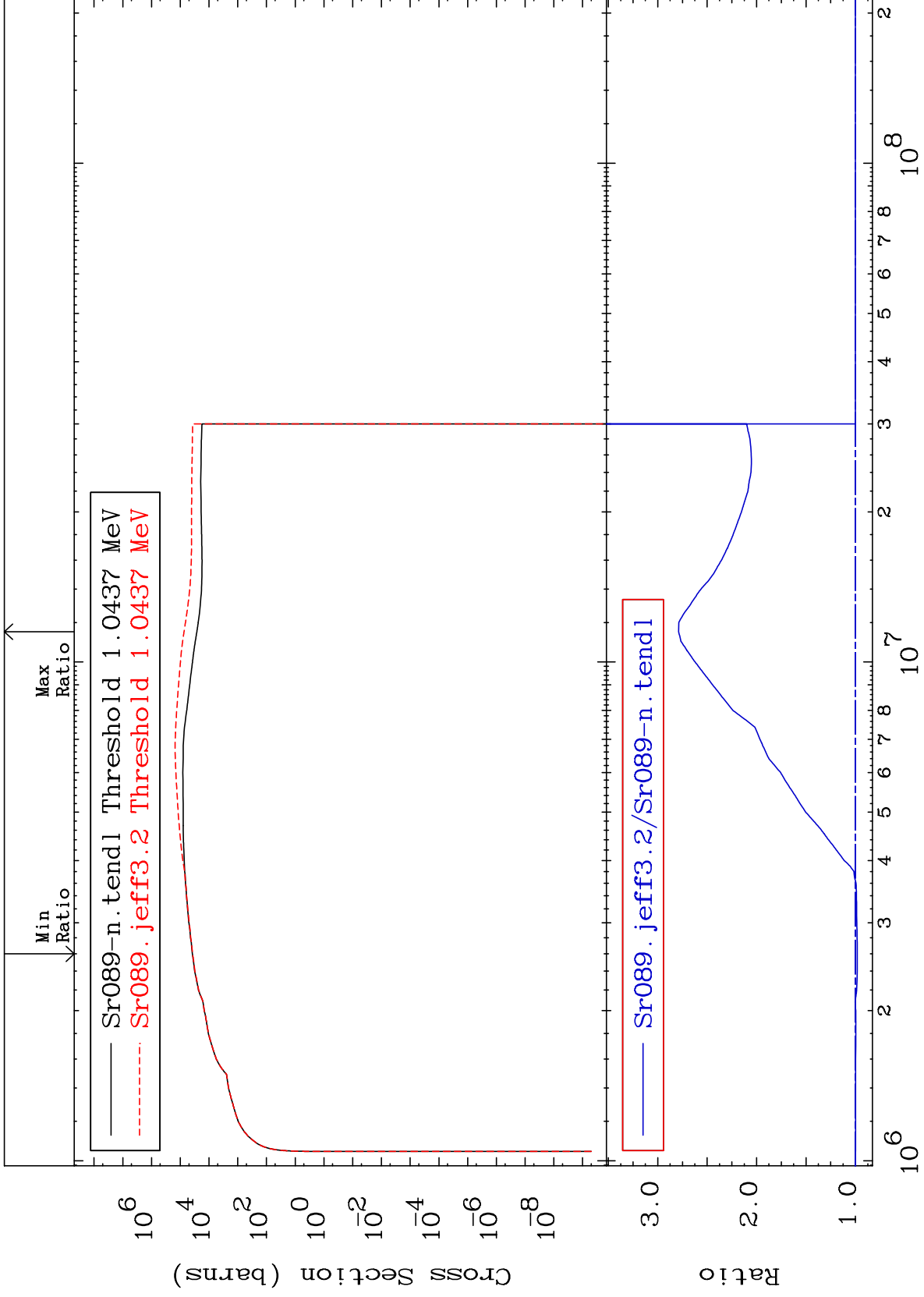




MAT 3840

Dpa inelastic (mt51-91)
Cross Section

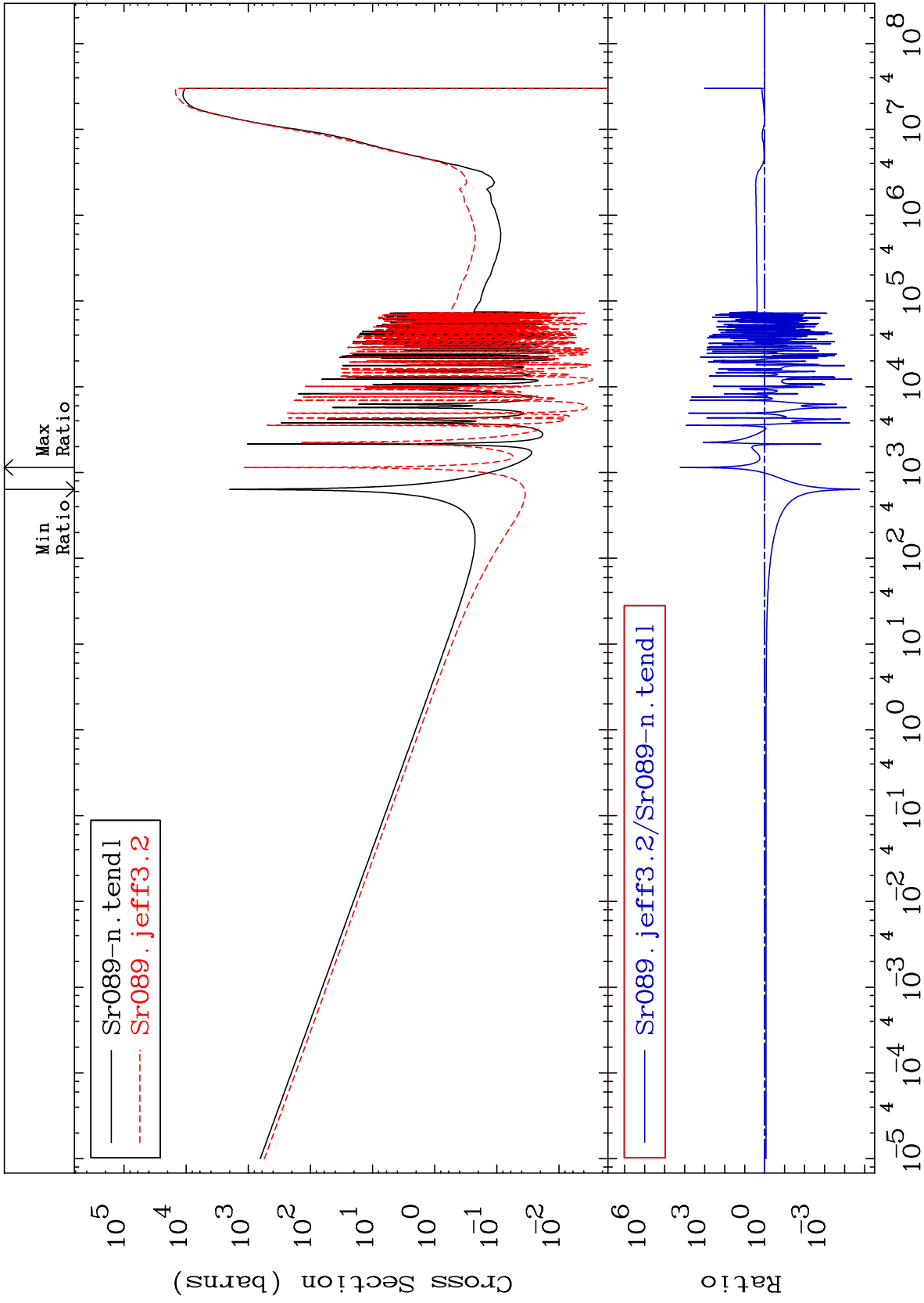
38-Sr-89
-1.850 To 178.9 %



75

Incident Energy (eV)

38-Sr-89

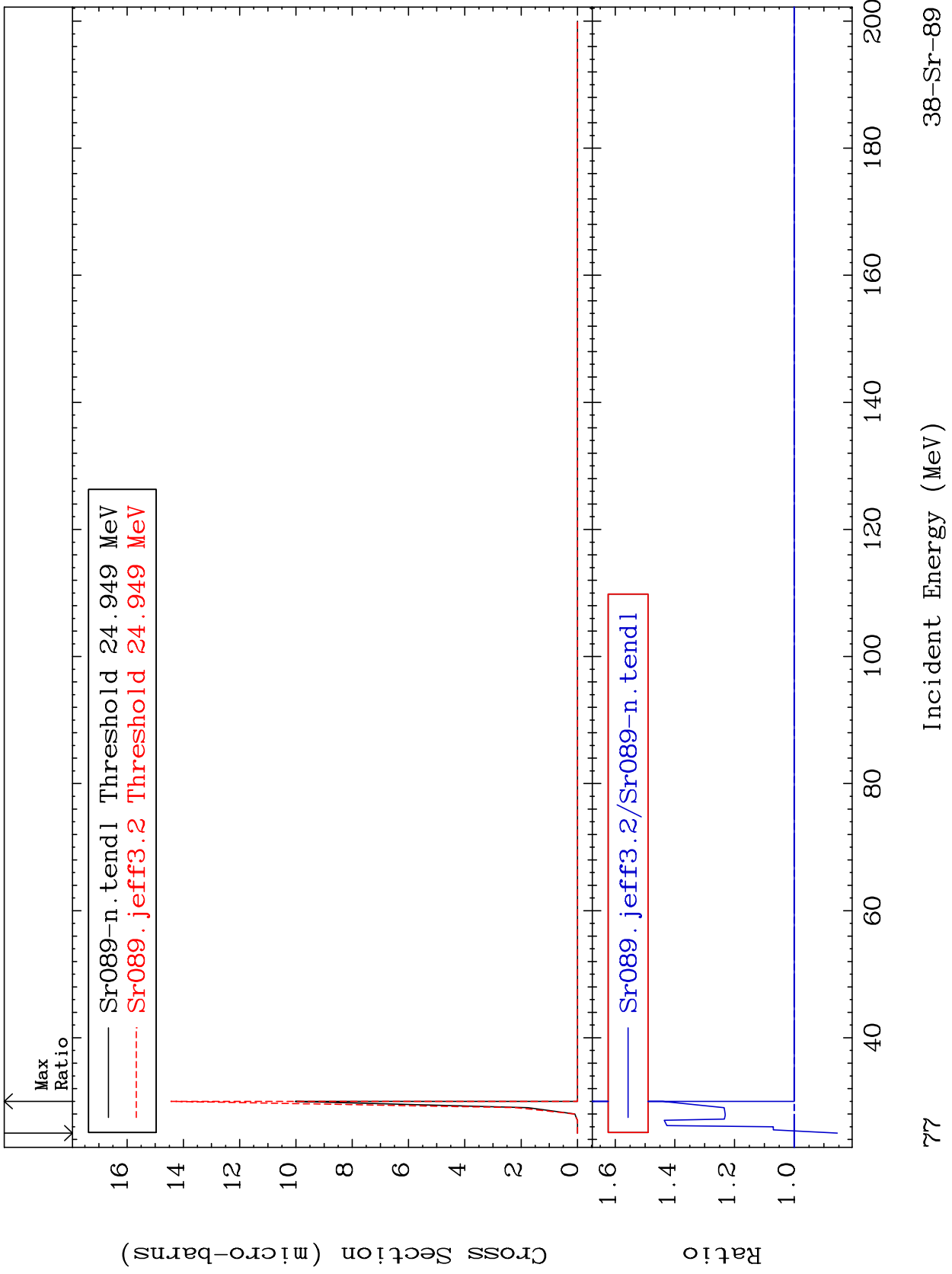


MAT 3840

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

38-Sr-89

Radionuclide Production Cross Section -14.47 To 44.04 %



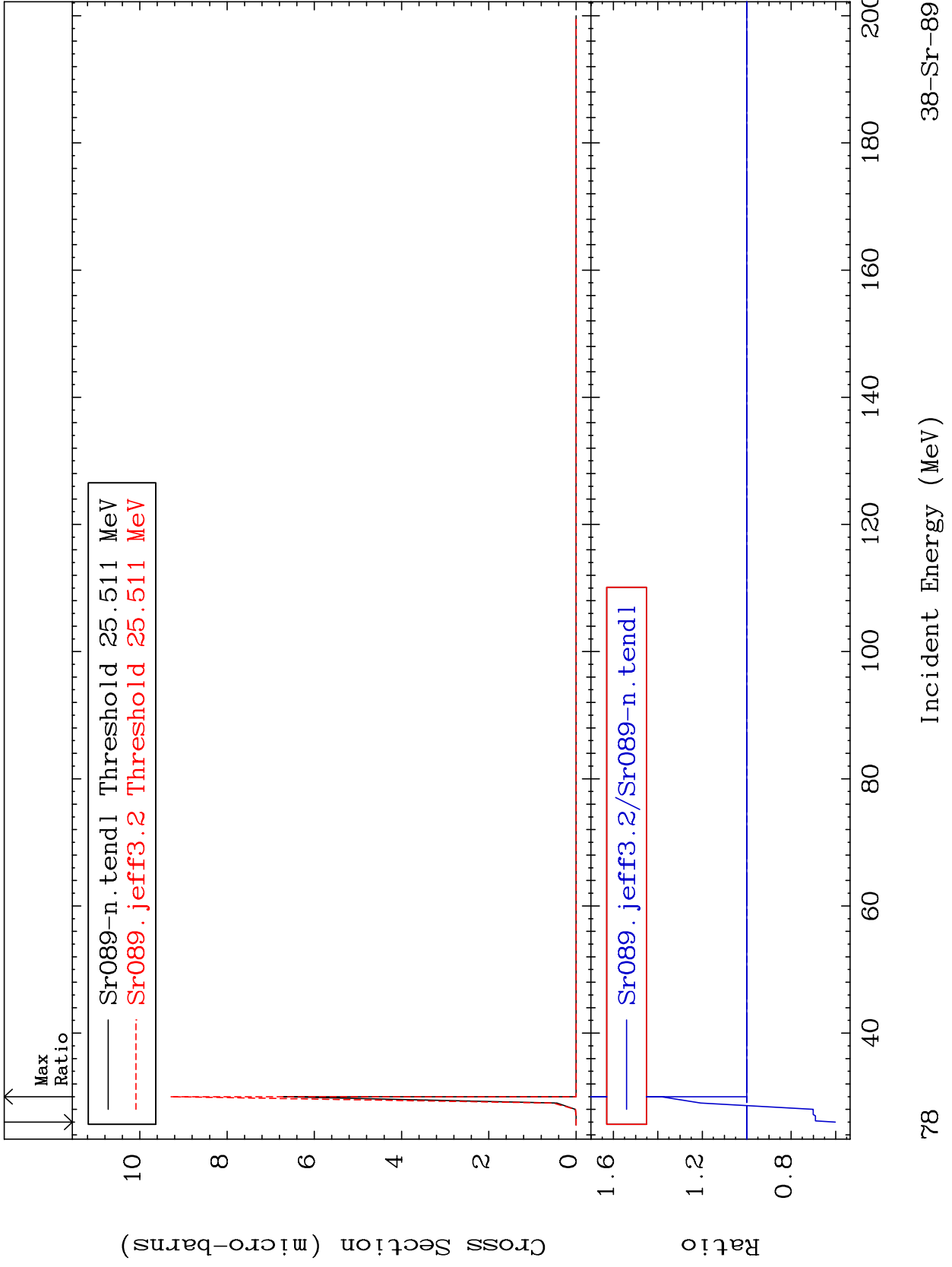
MAT 3840

(n,2n) d:37-Rb-86m2

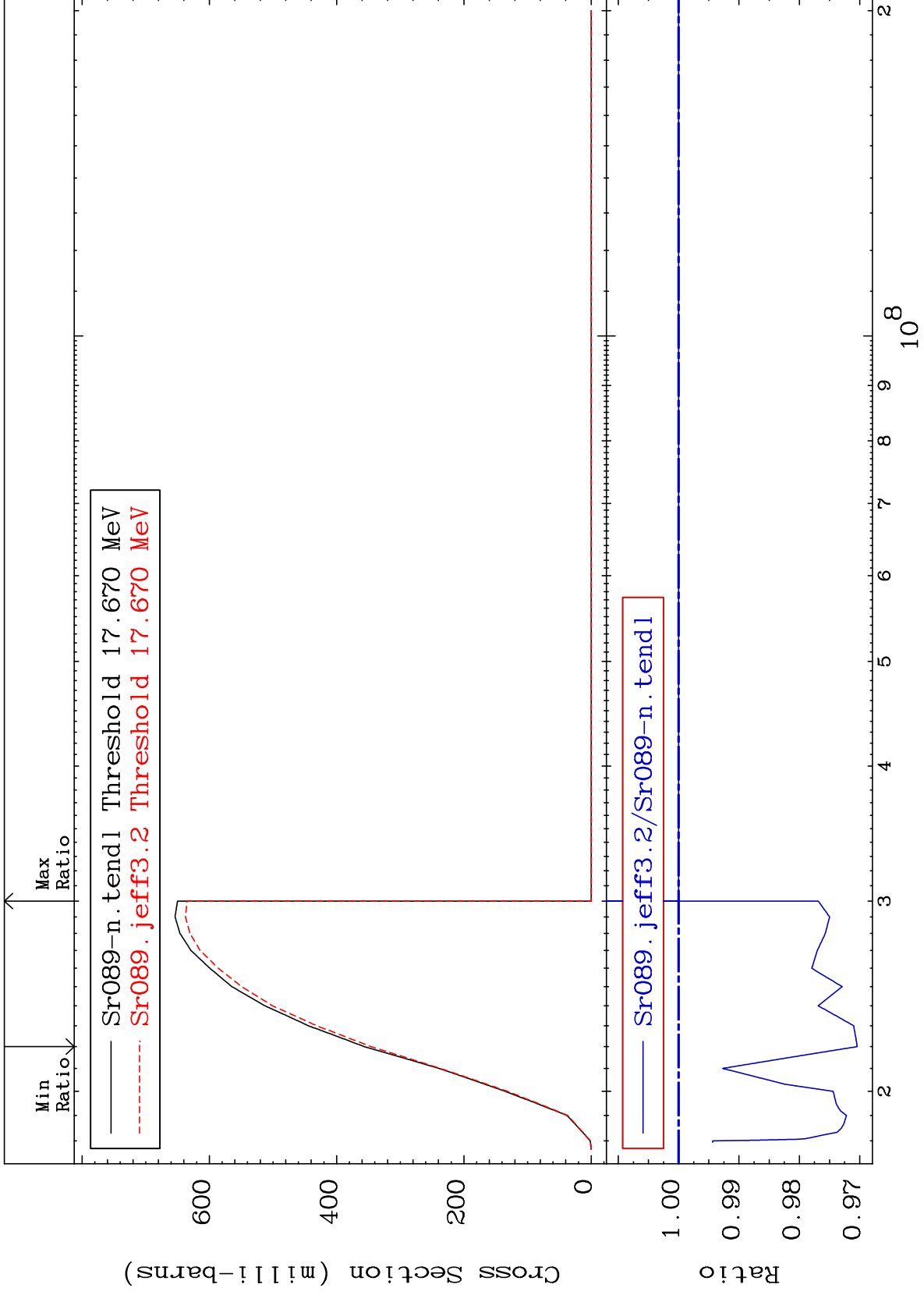
38-Sr-89

Radionuclide Production Cross Section

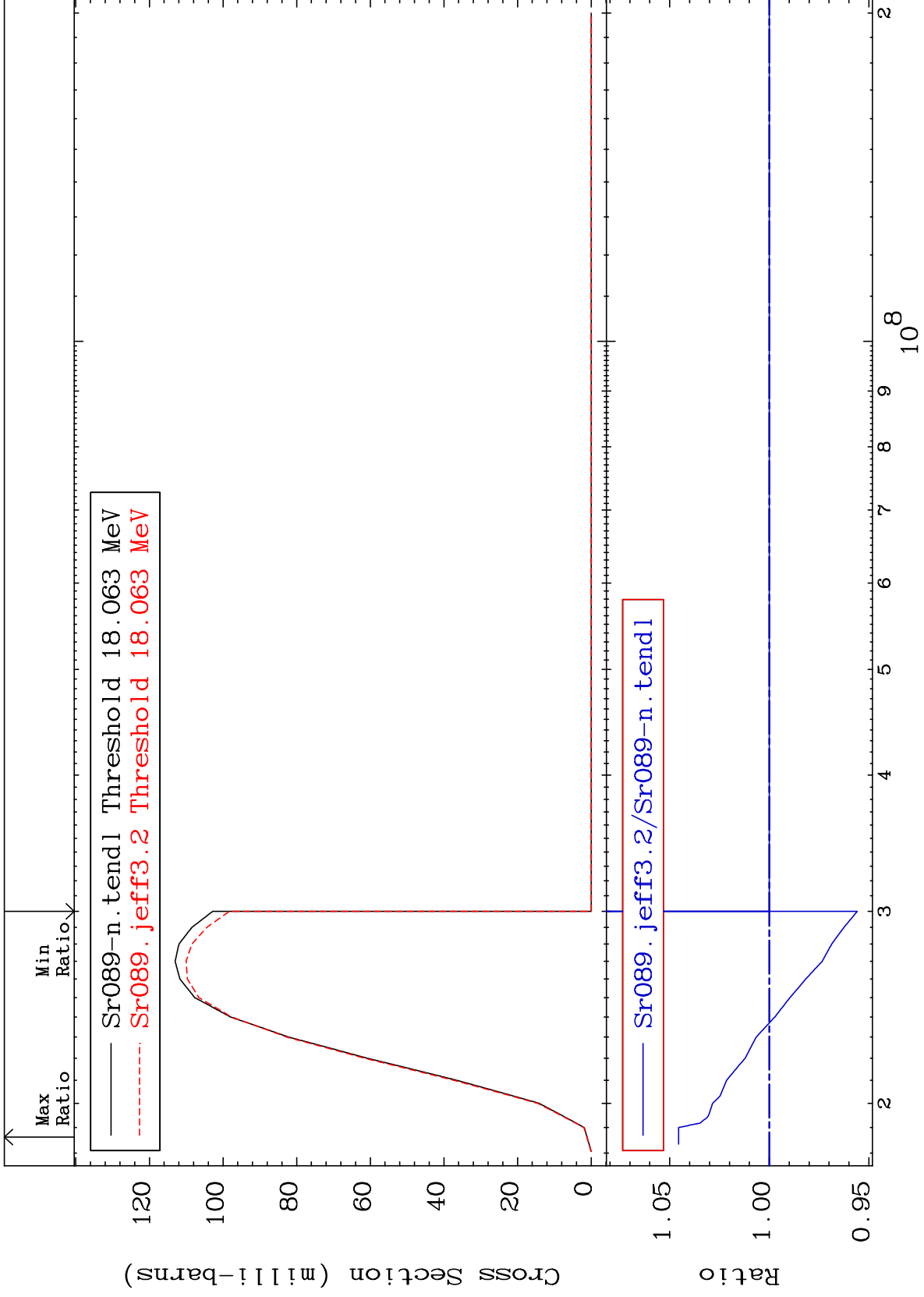
-39.86 To 38.46 %



Radionuclide Production Cross Section -2.959 To 0.000 %



Radionuclide Production Cross Section -4.415 To 4.551 %

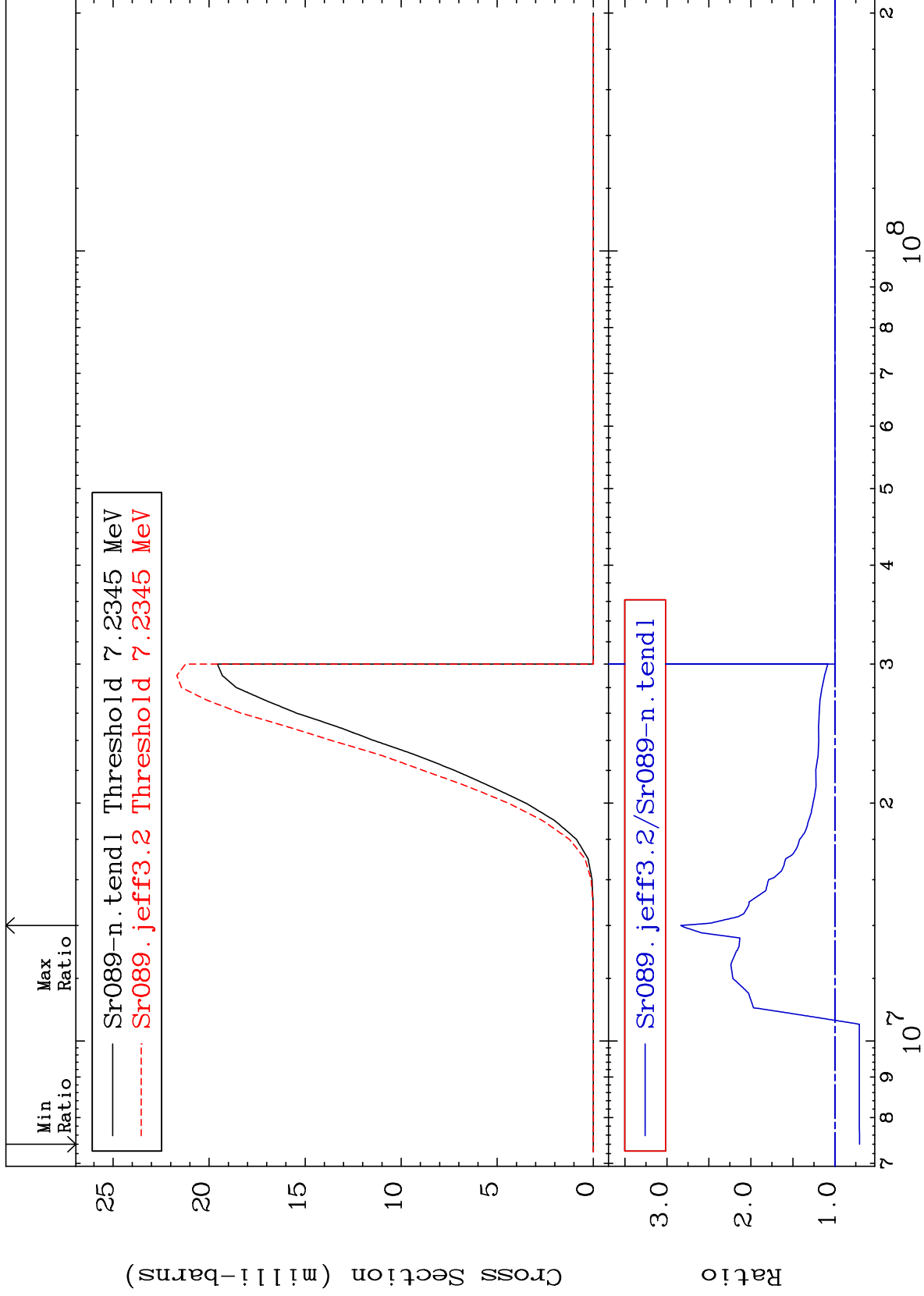


MAT 3840

(n, n') α :36-Kr-85g

38-Sr-89

Radionuclide Production Cross Section -29.36 To 183.5 %

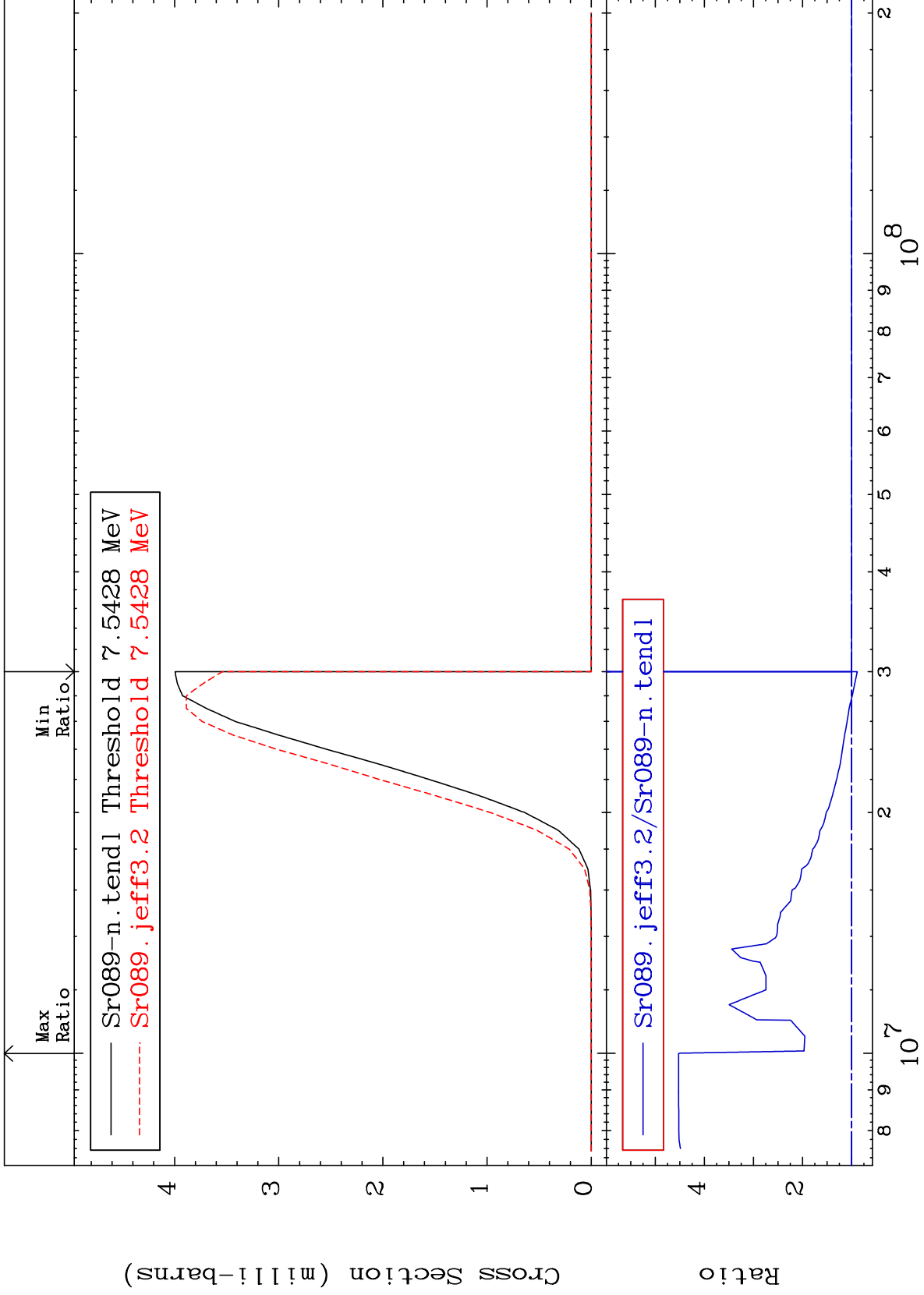


81

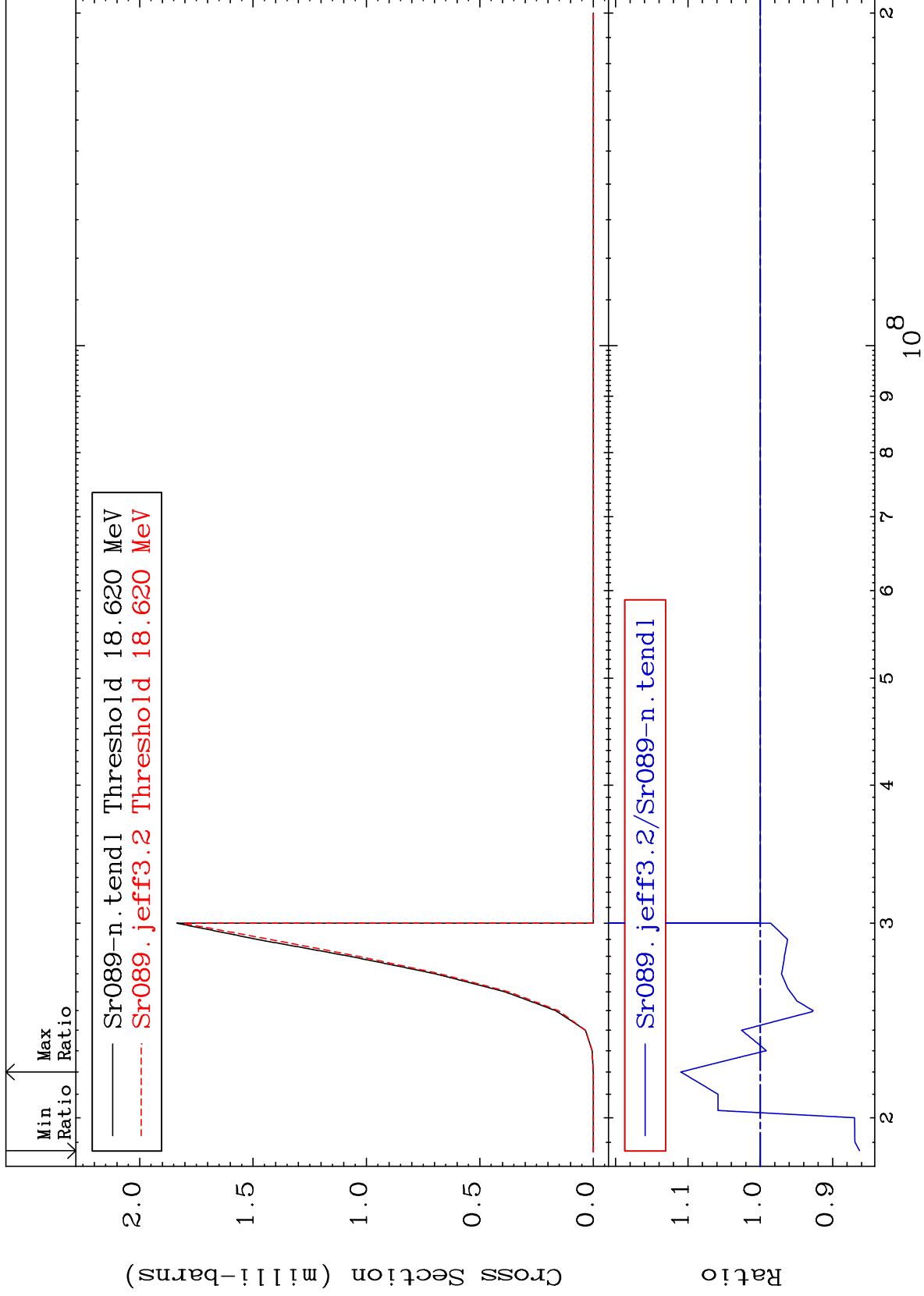
Incident Energy (eV)

38-Sr-89

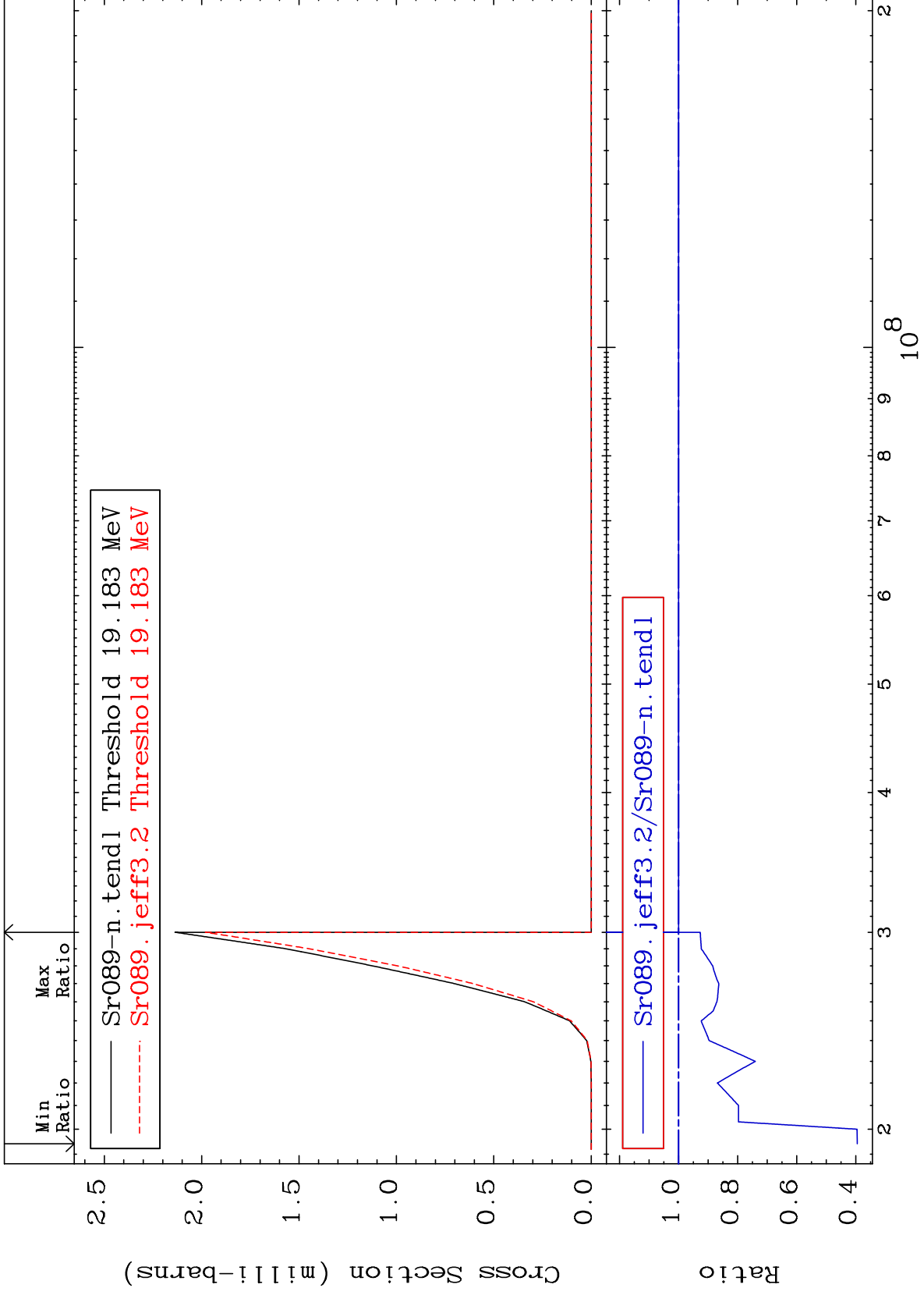
Radionuclide Production Cross Section -11.29 To 352.4 %

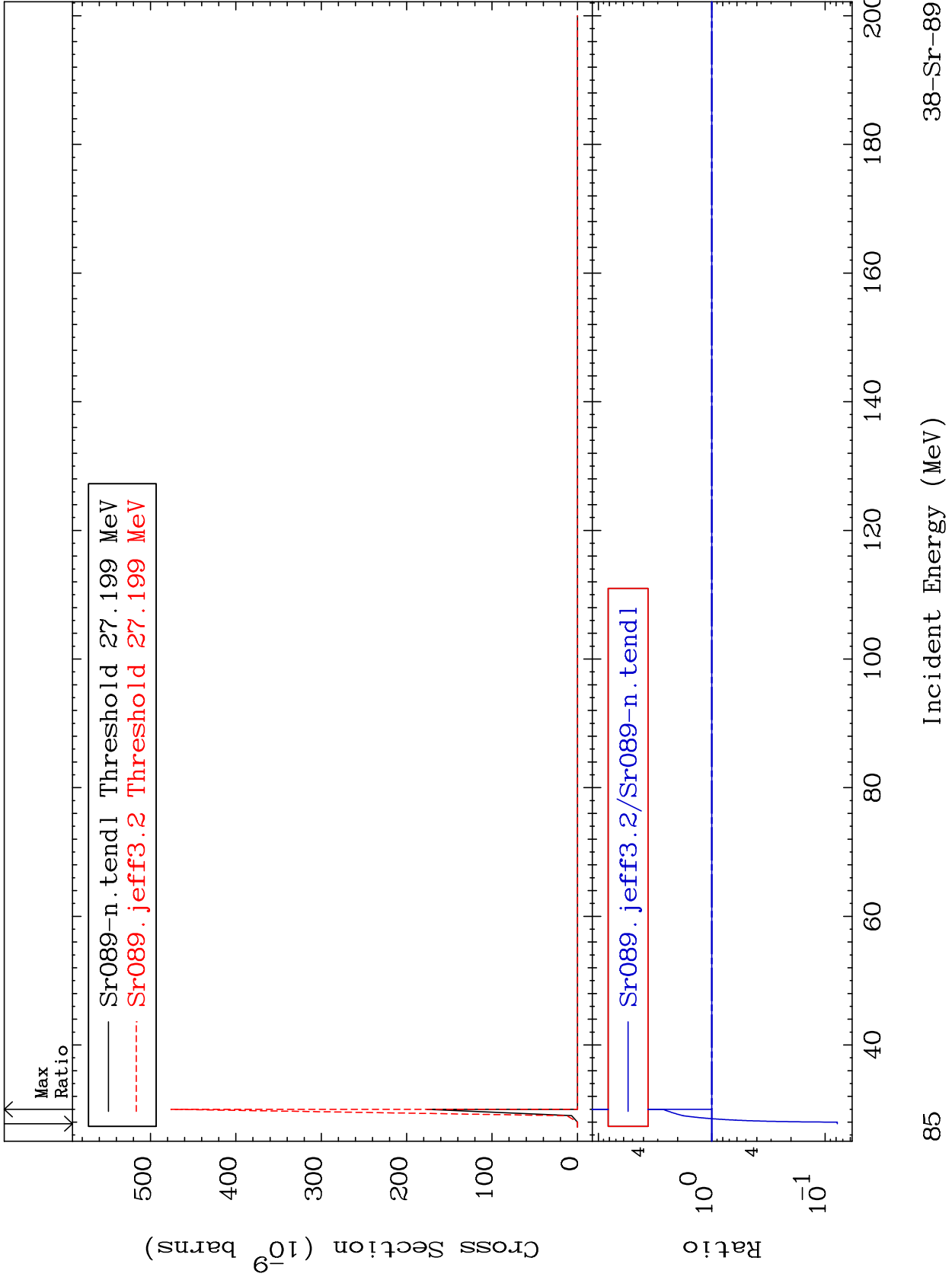


Radionuclide Production Cross Section -13.73 To 10.99 %

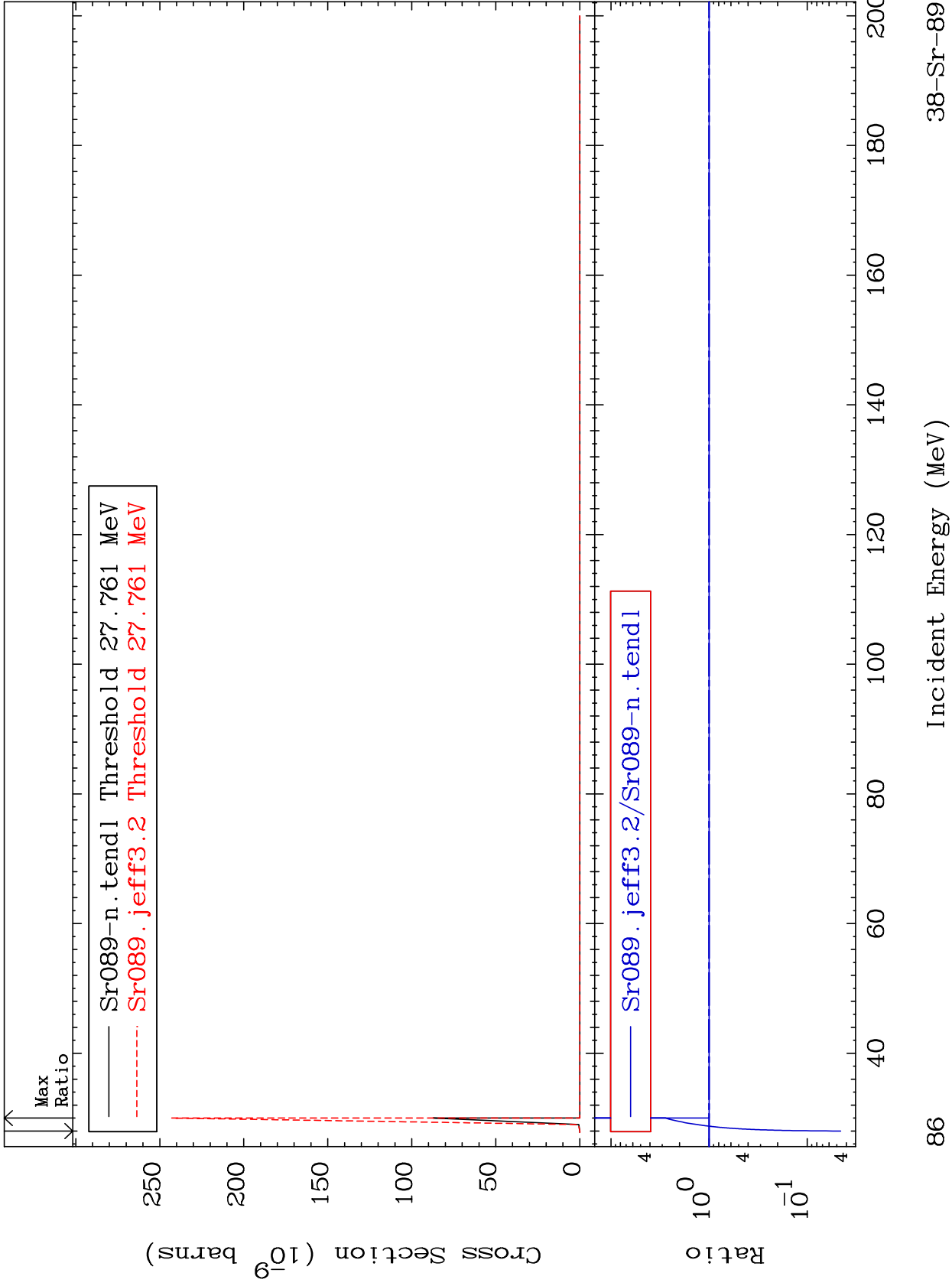


Radionuclide Production Cross Section -60.51 To 0.000 %





Radionuclide Production Cross Section -95.44 To 178.2 %

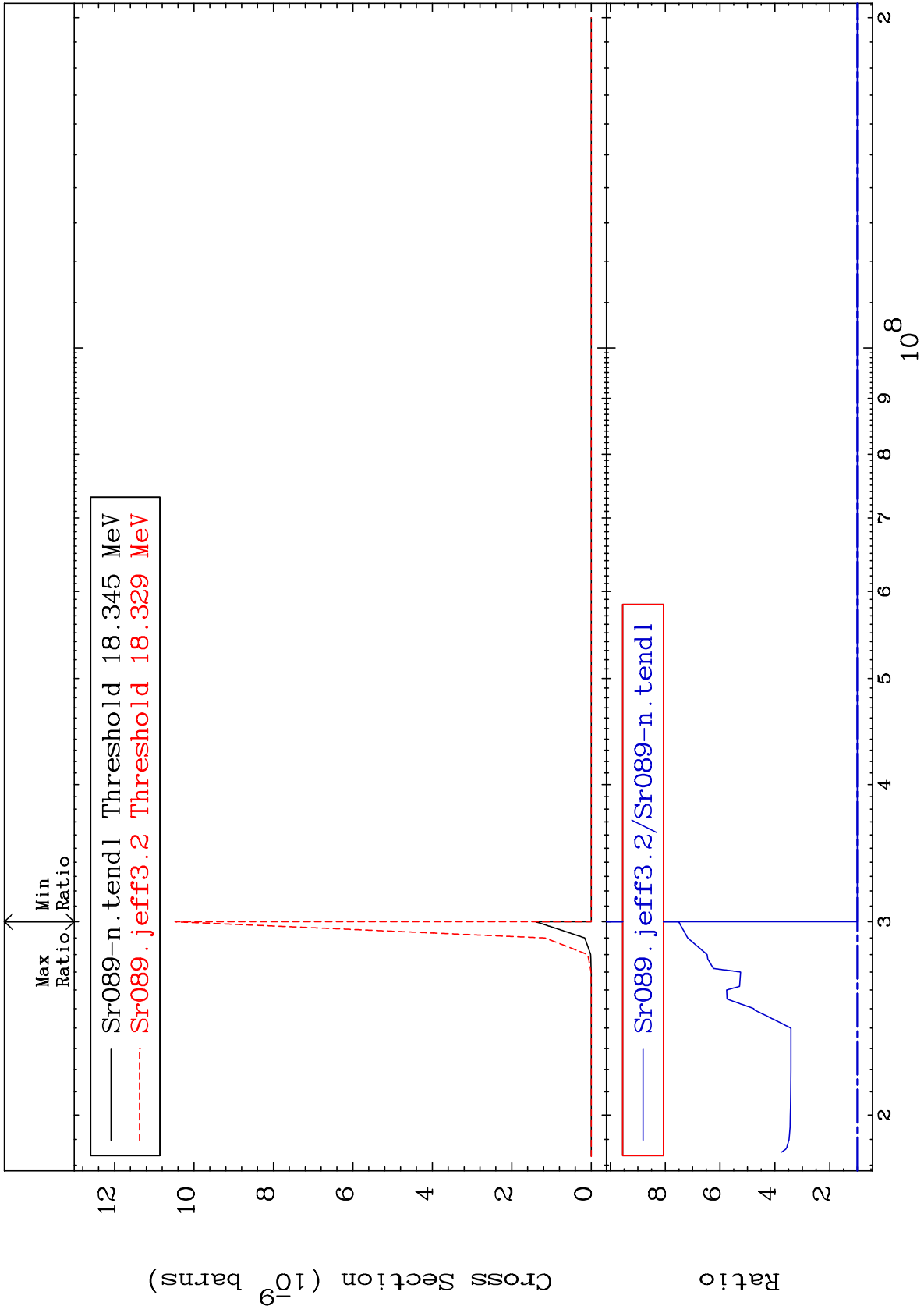


MAT 3840

(n,n') p α :35-Br-84g

38-Sr-89

Radionuclide Production Cross Section 0.000 To 651.0 %



87

38-Sr-89

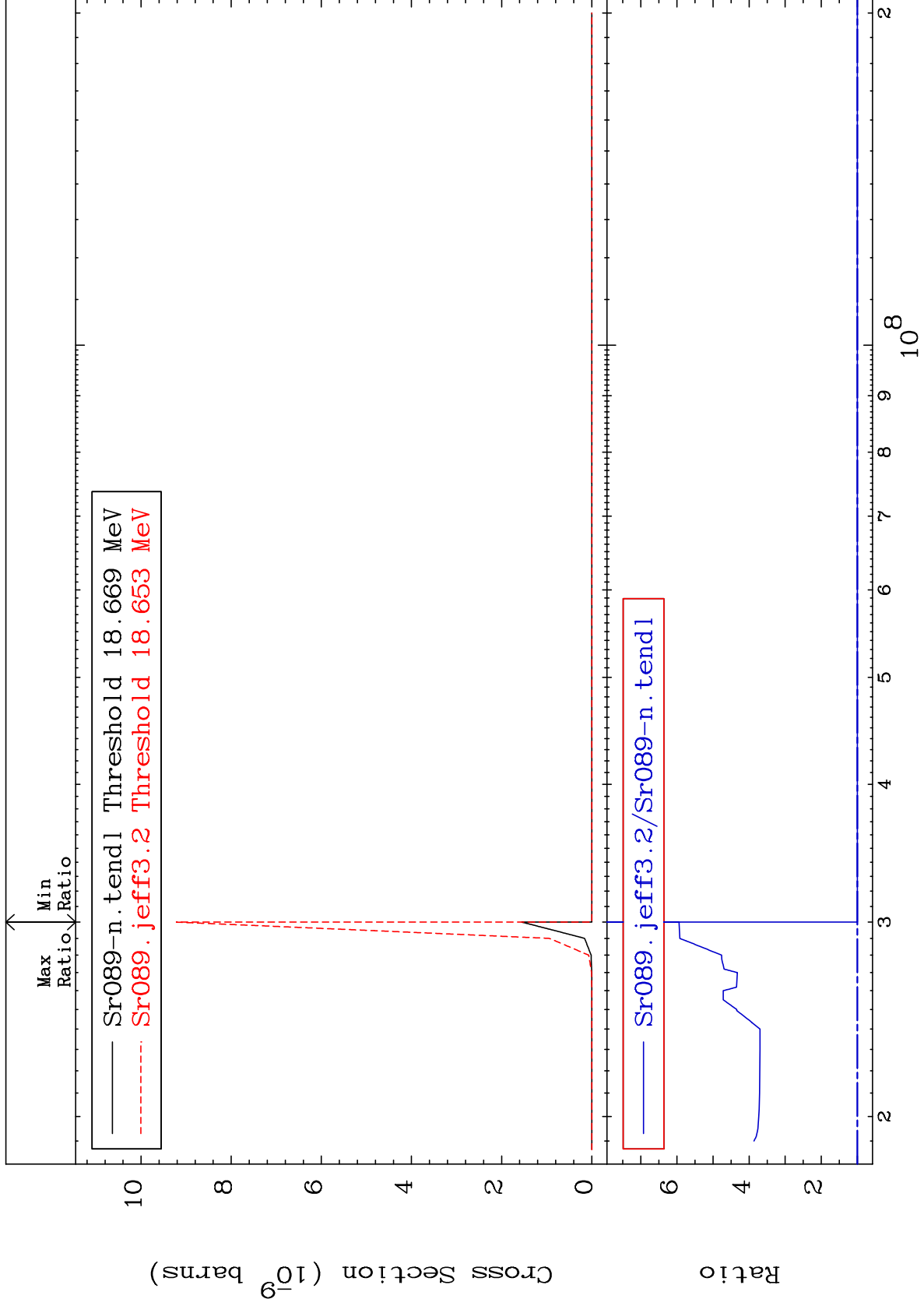
38-Sr-89

MAT 3840

(n, n') p α :35-Br-84m1

38-Sr-89

Radionuclide Production Cross Section 0.000 To 494.1 %



88

Incident Energy (eV)

38-Sr-89