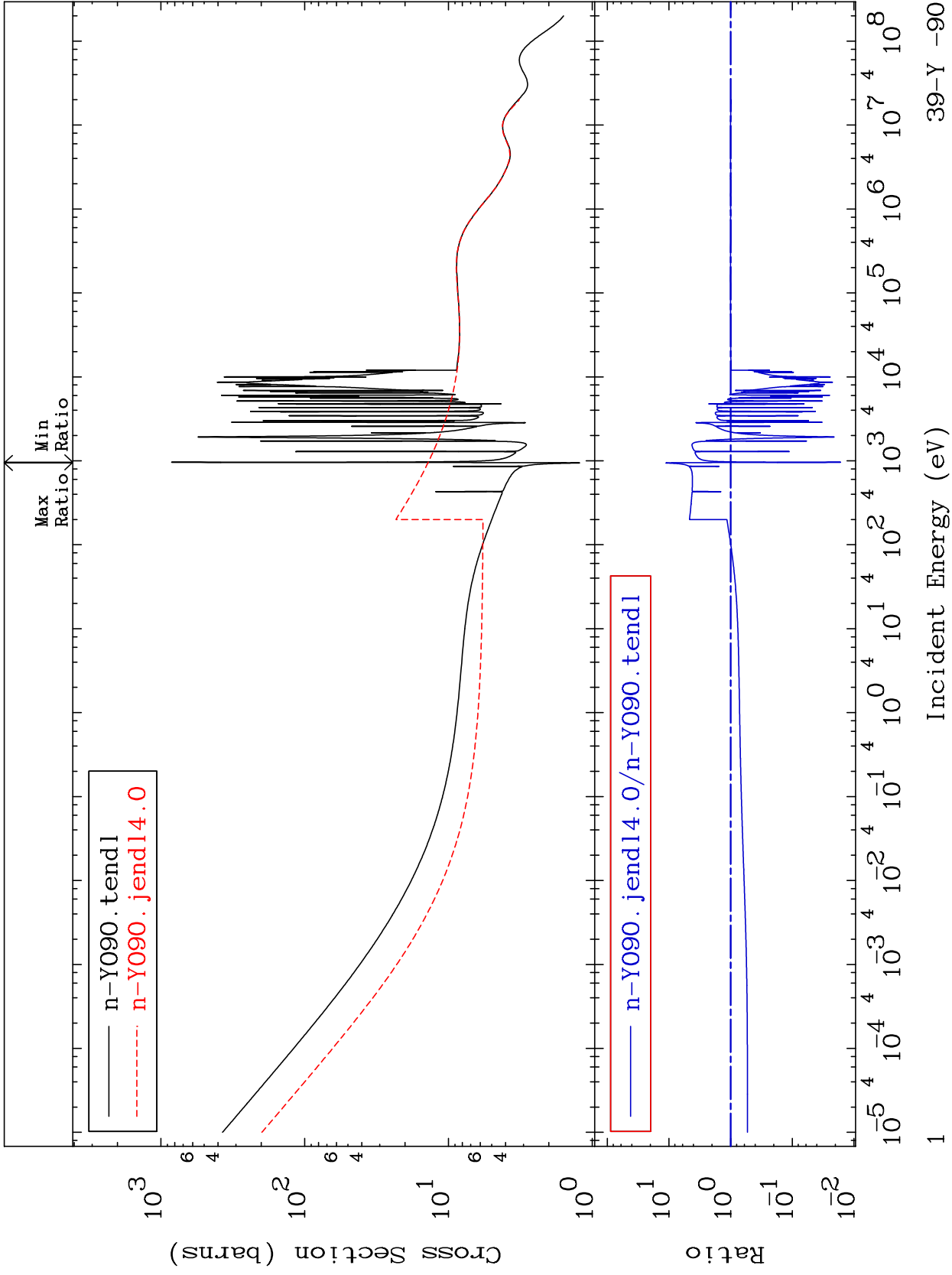


MAT 3928

Total Cross Section
39-Y -90
-98.36 To 1038. %

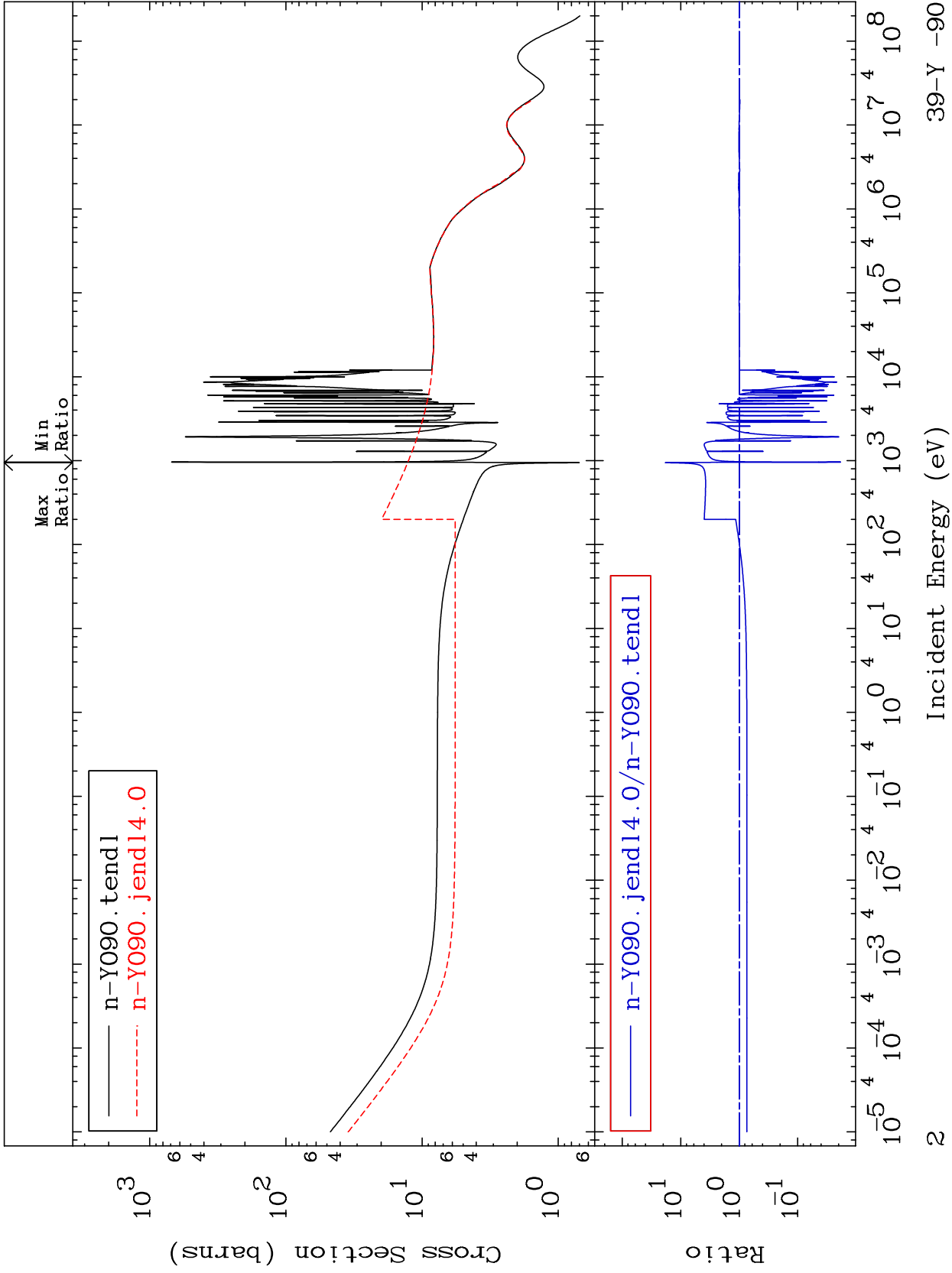


39-Y -90

MAT 3928

Elastic
Cross Section

39-Y -90
-98.16 To 1723. %

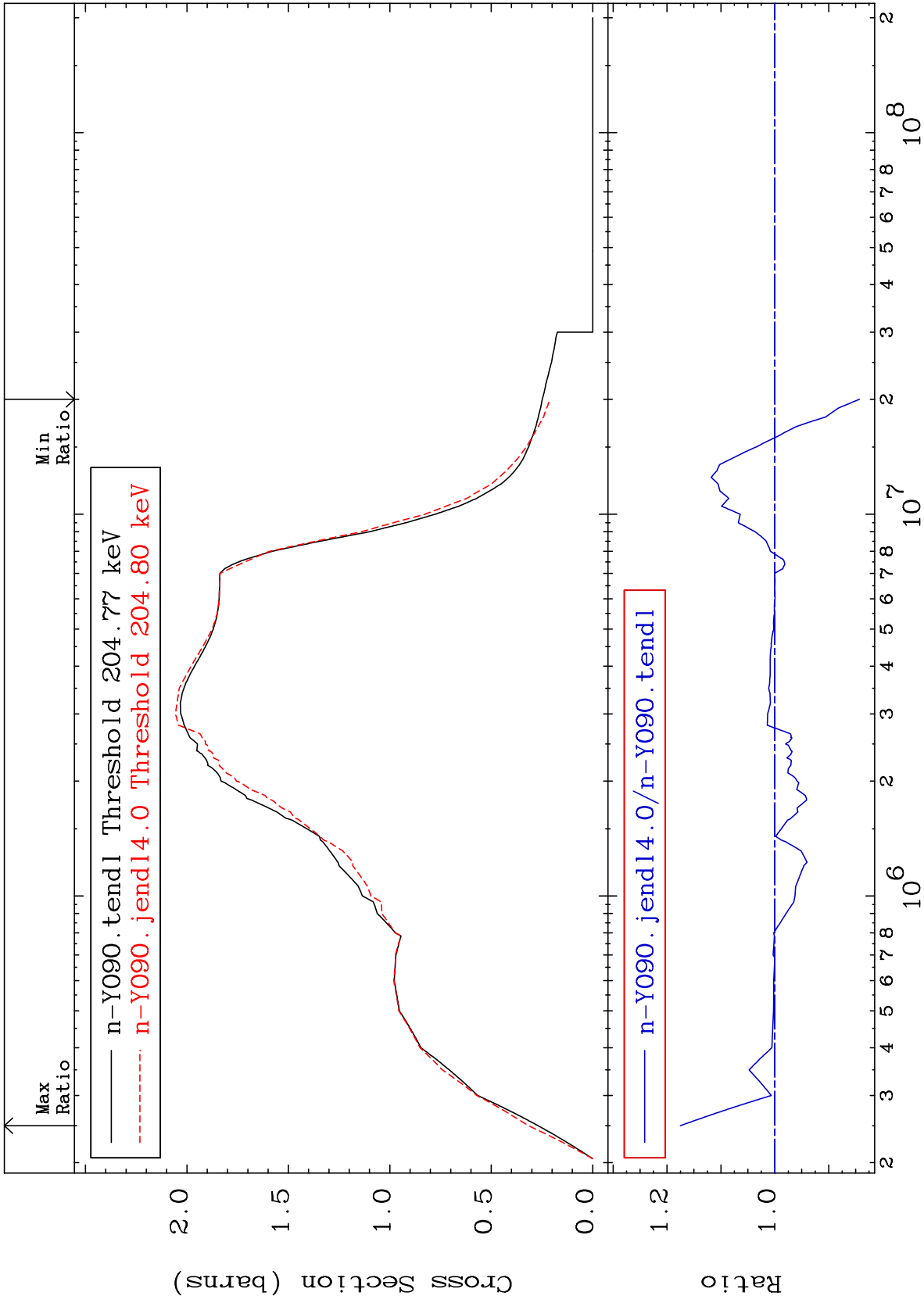


39-Y -90

MAT 3928

Inelastic
Cross Section

39-Y -90
-15.70 To 17.52 %



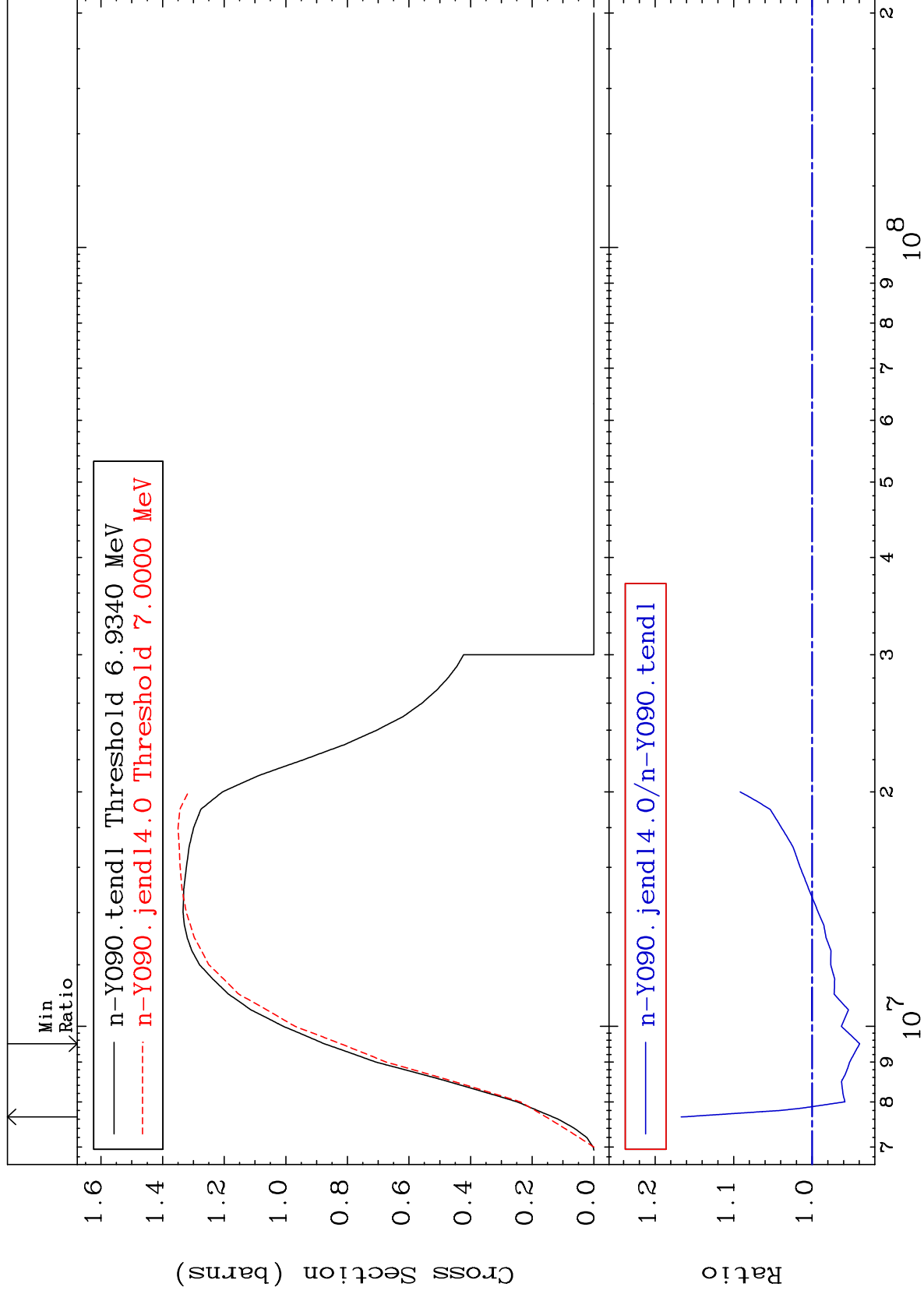
MAT 3928

(n,2n)

39-Y -90

Cross Section

-6.047 To 16.68 %



4

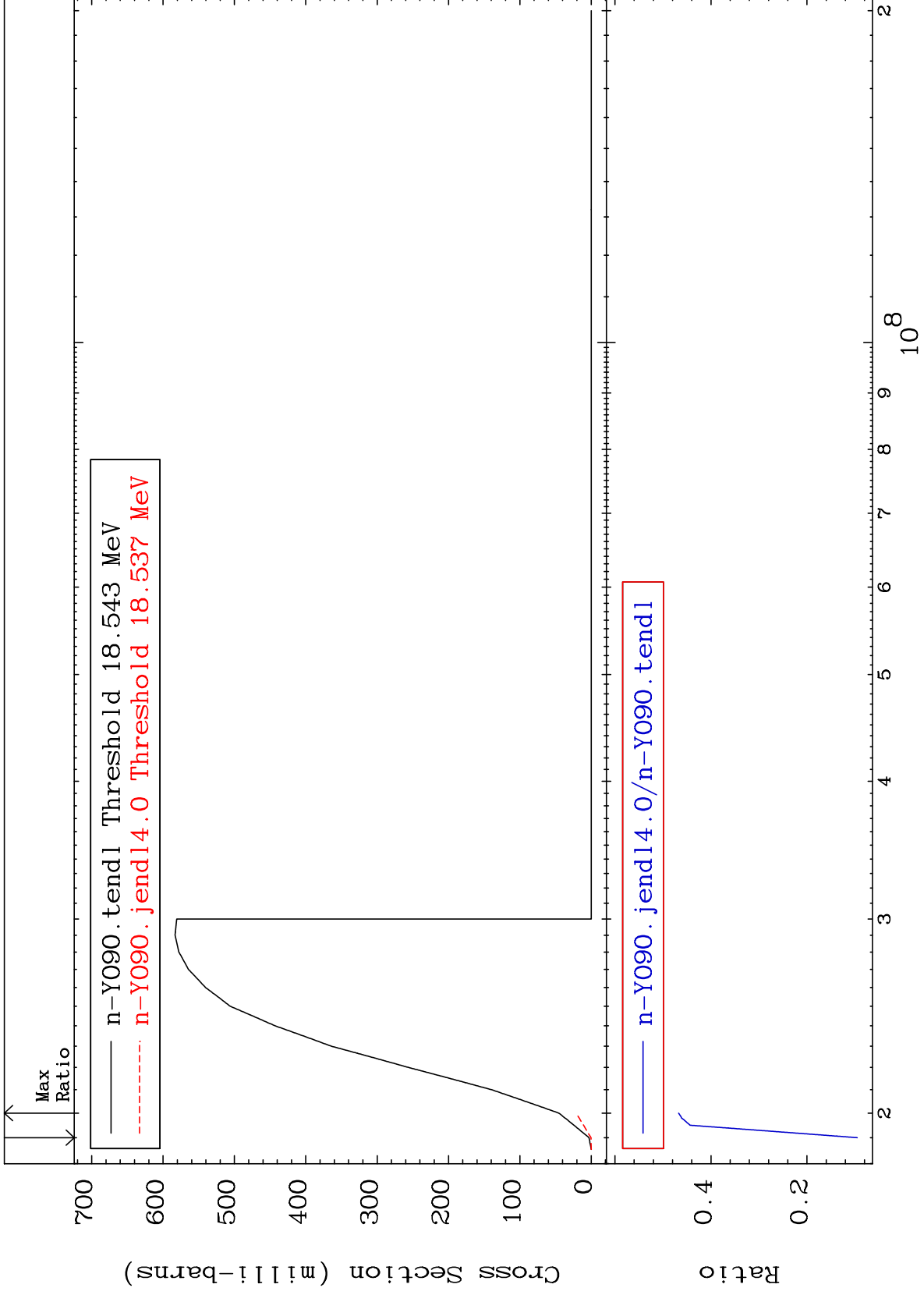
Incident Energy (eV)

39-Y -90

MAT 3928

(n,3n)
Cross Section

39-Y -90
-90.47 To -53.27%



5

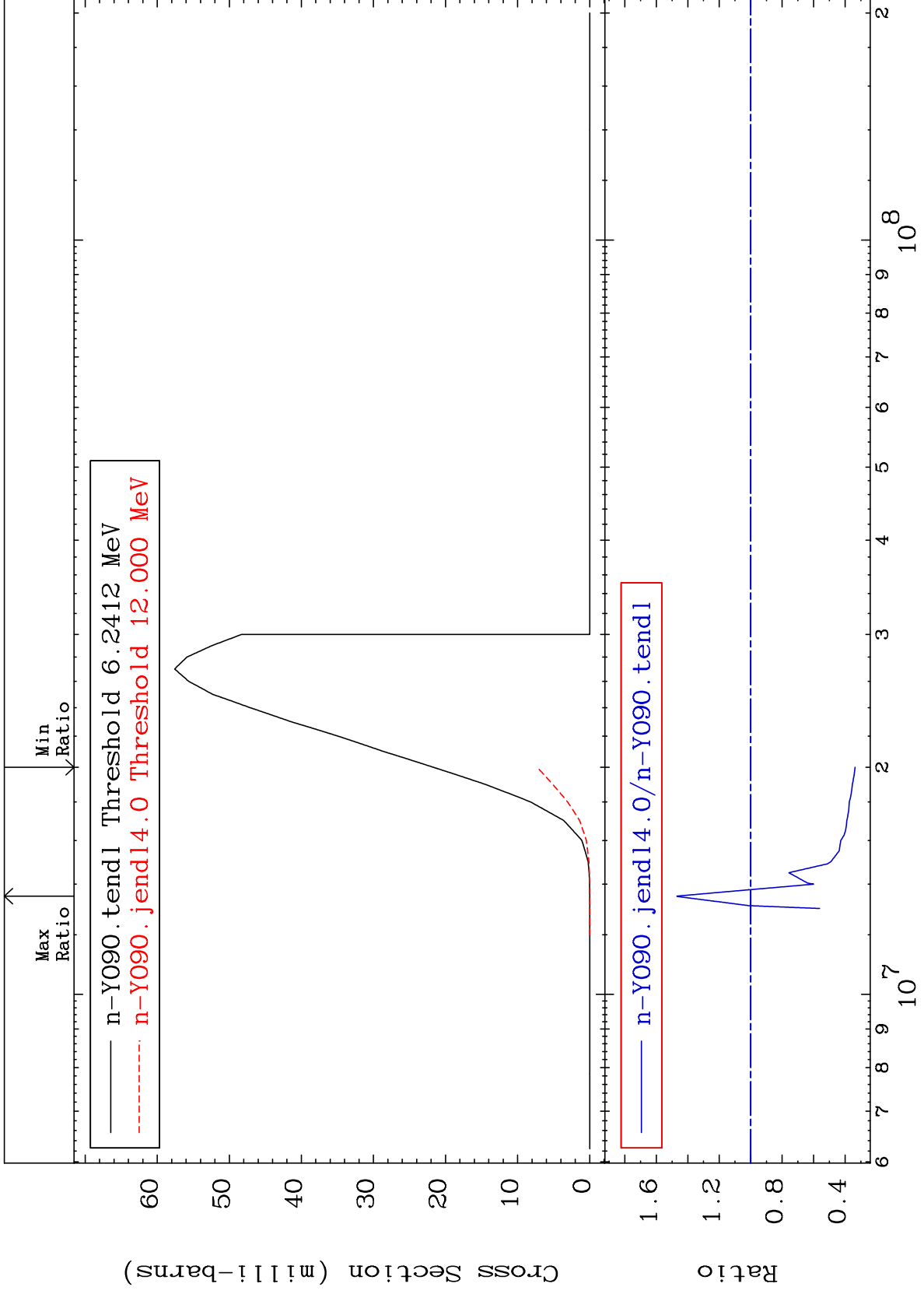
Incident Energy (eV)

39-Y -90

MAT 3928

(n,n') α
Cross Section

39-Y -90
-66.37 To 46.90 %



6

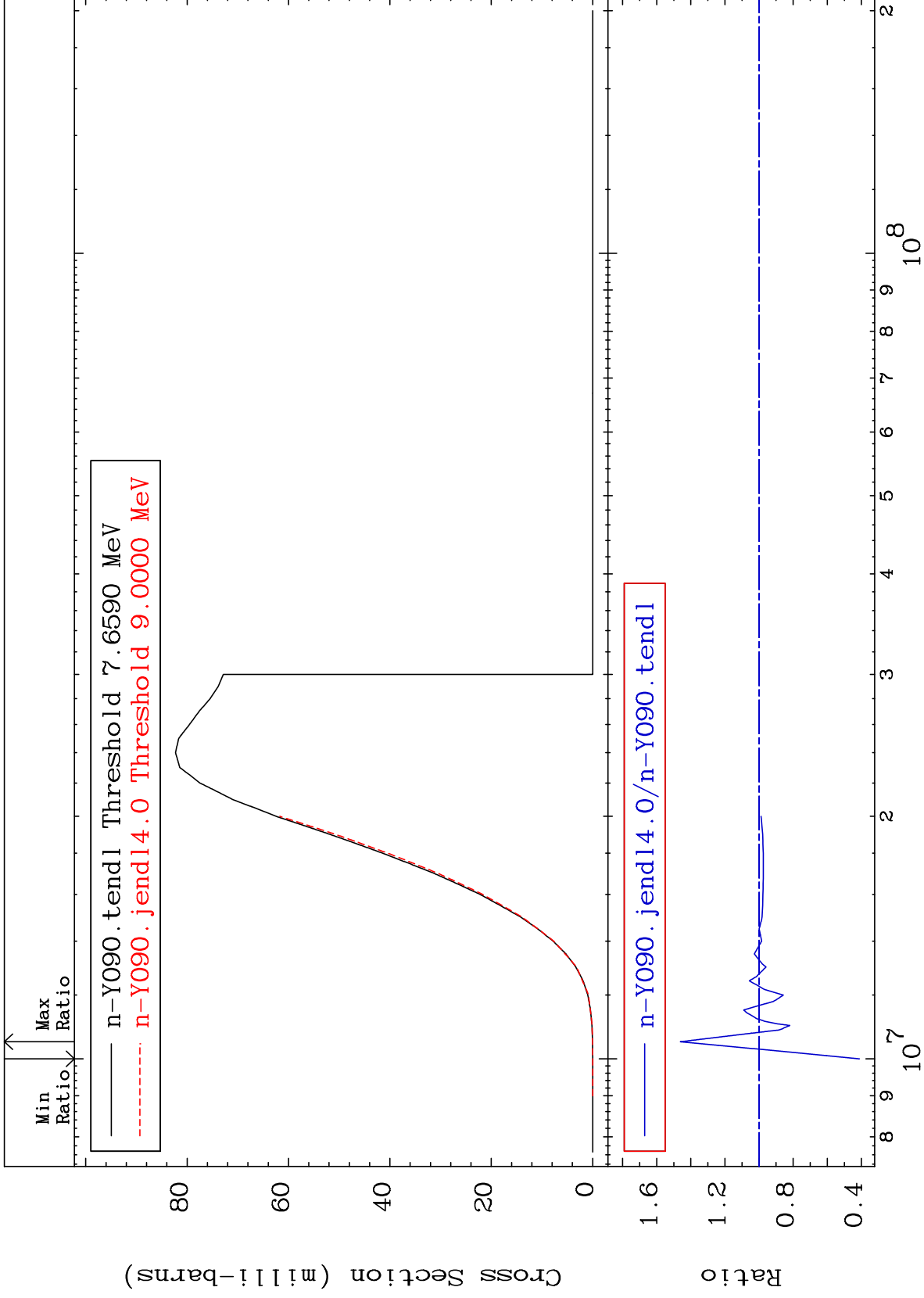
Incident Energy (eV)

39-Y -90

MAT 3928

(n,n') p
Cross Section

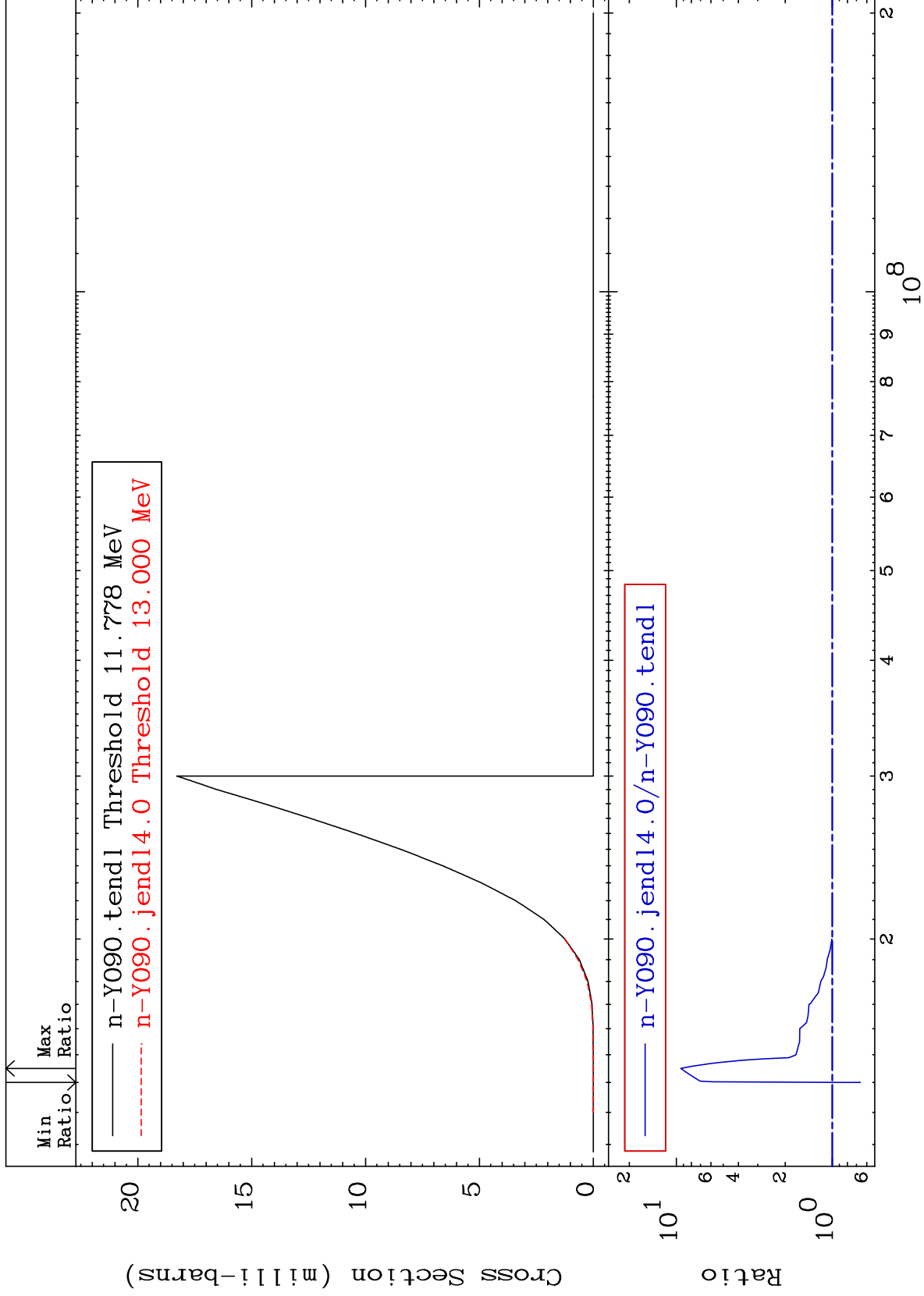
39-Y -90
-58.85 To 46.13 %



7

Incident Energy (eV)

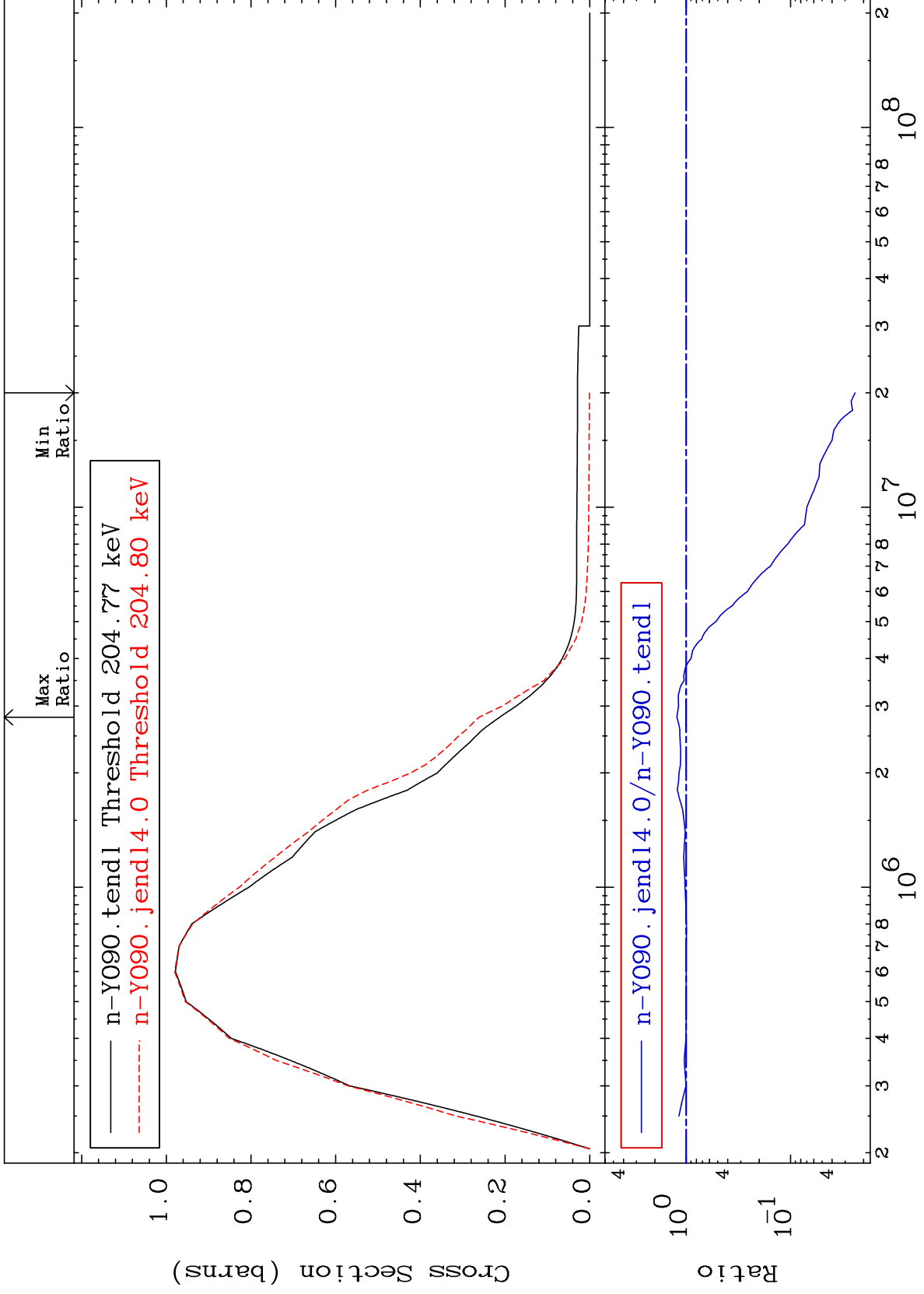
39-Y -90



MAT 3928

MT= 51 (n,n') Level
Cross Section

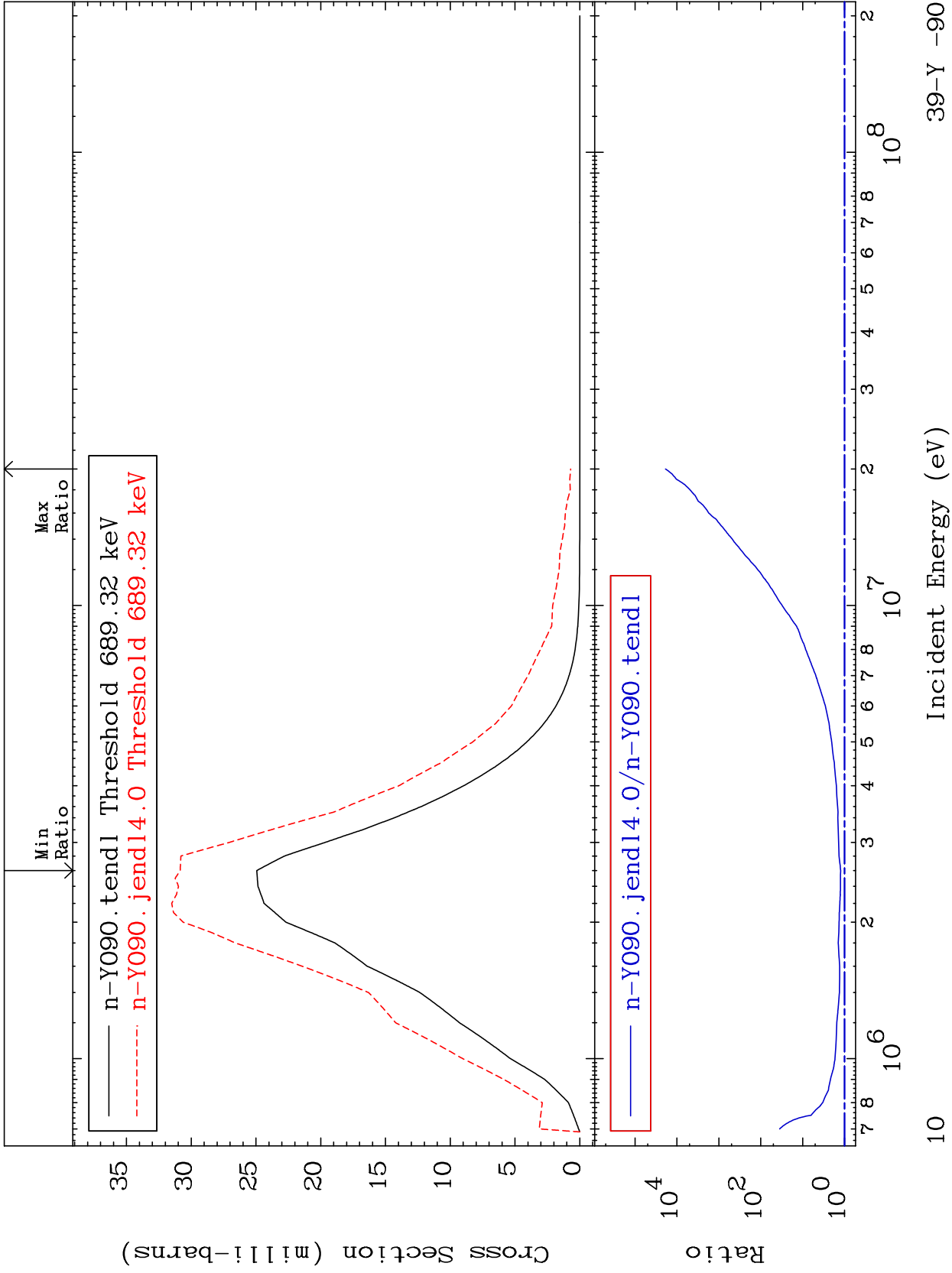
39-Y -90
-97.59 To 22.95 %



MAT 3928

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

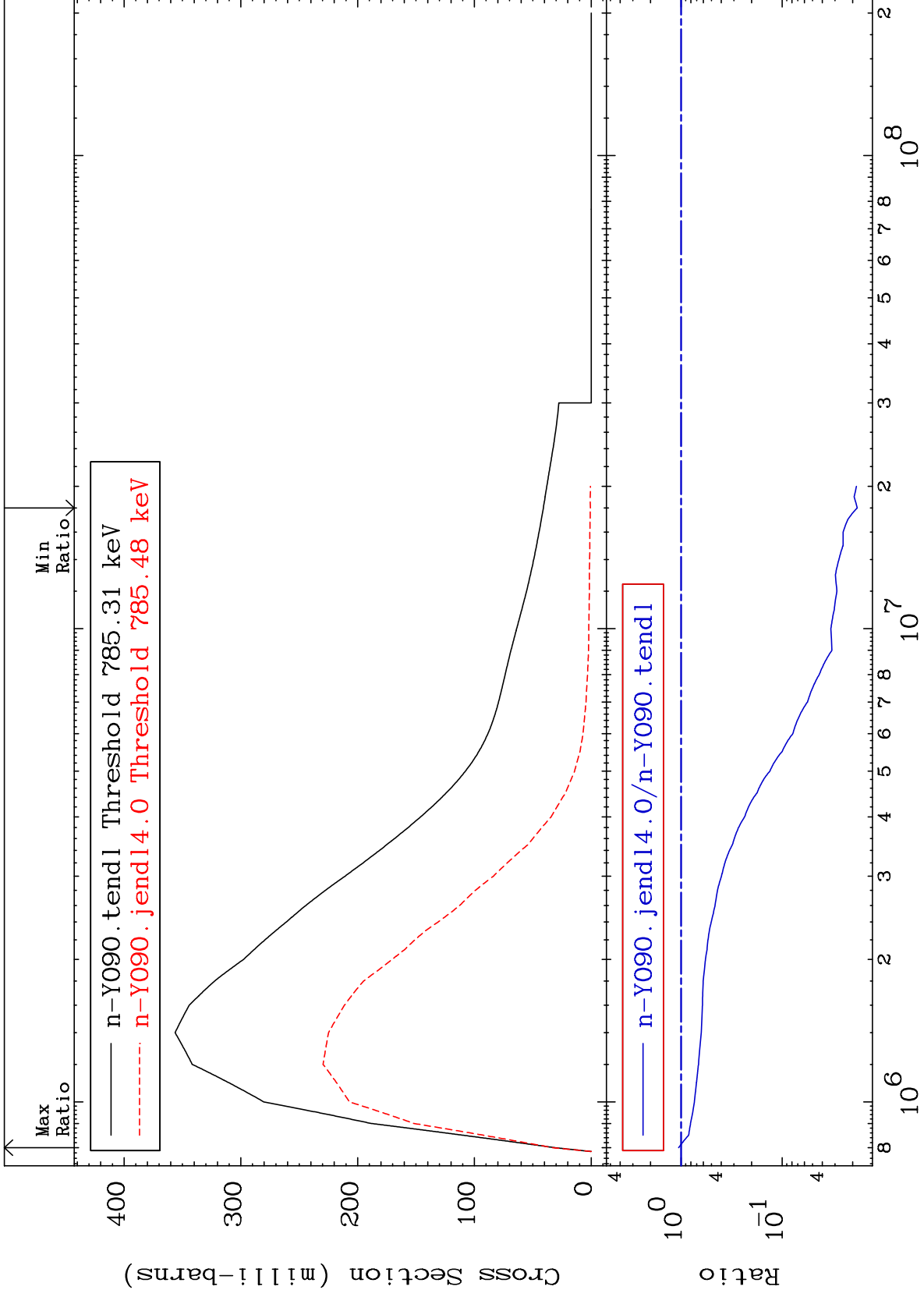
39-Y -90
23.66 To 9999. %



MAT 3928

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

39-Y -90
-98.20 To 5.578 %



11

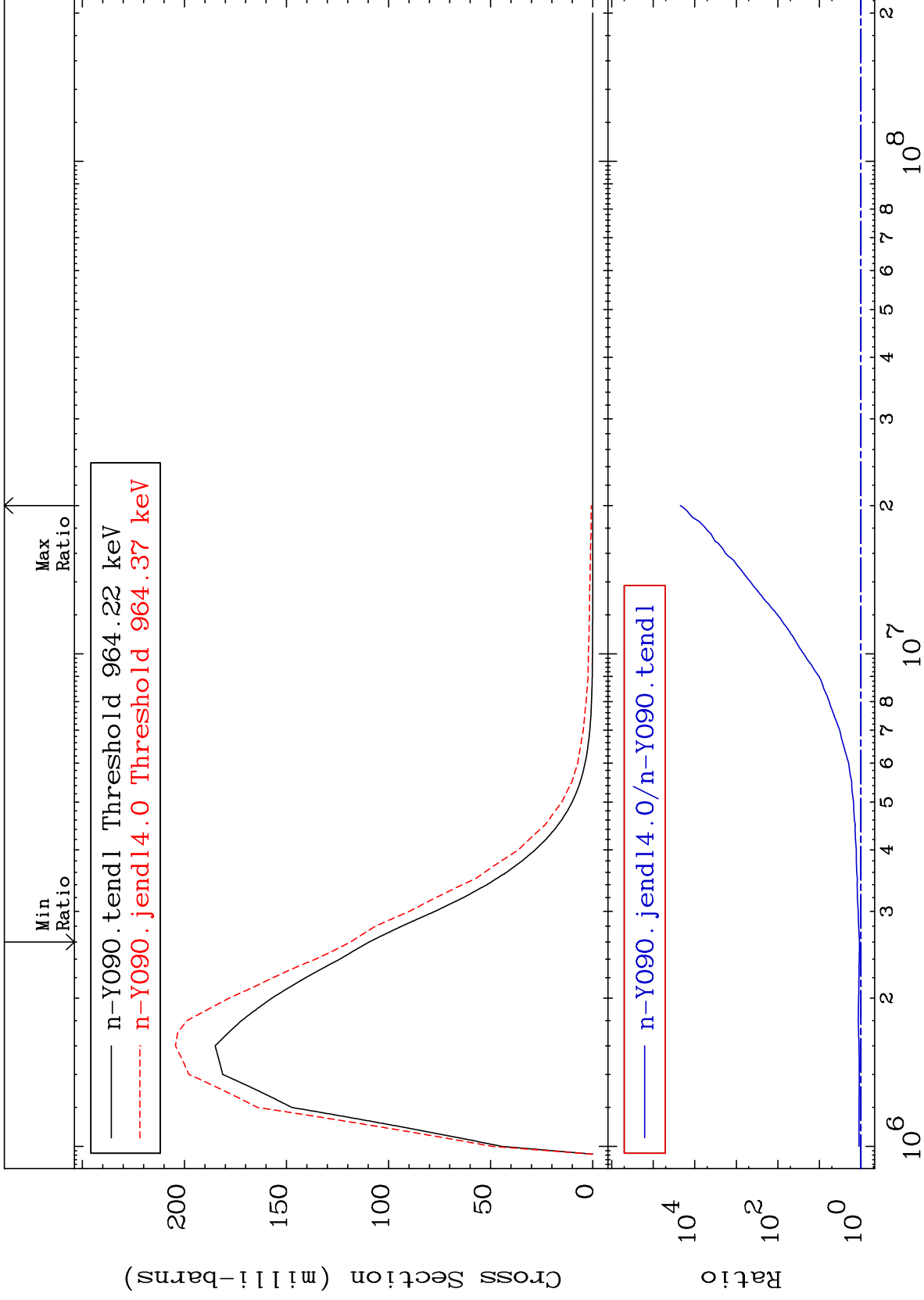
Incident Energy (eV)

39-Y -90

MAT 3928

MT= 54 (n,n') Level
Cross Section

39-Y -90
8.266 To 9999. %



12

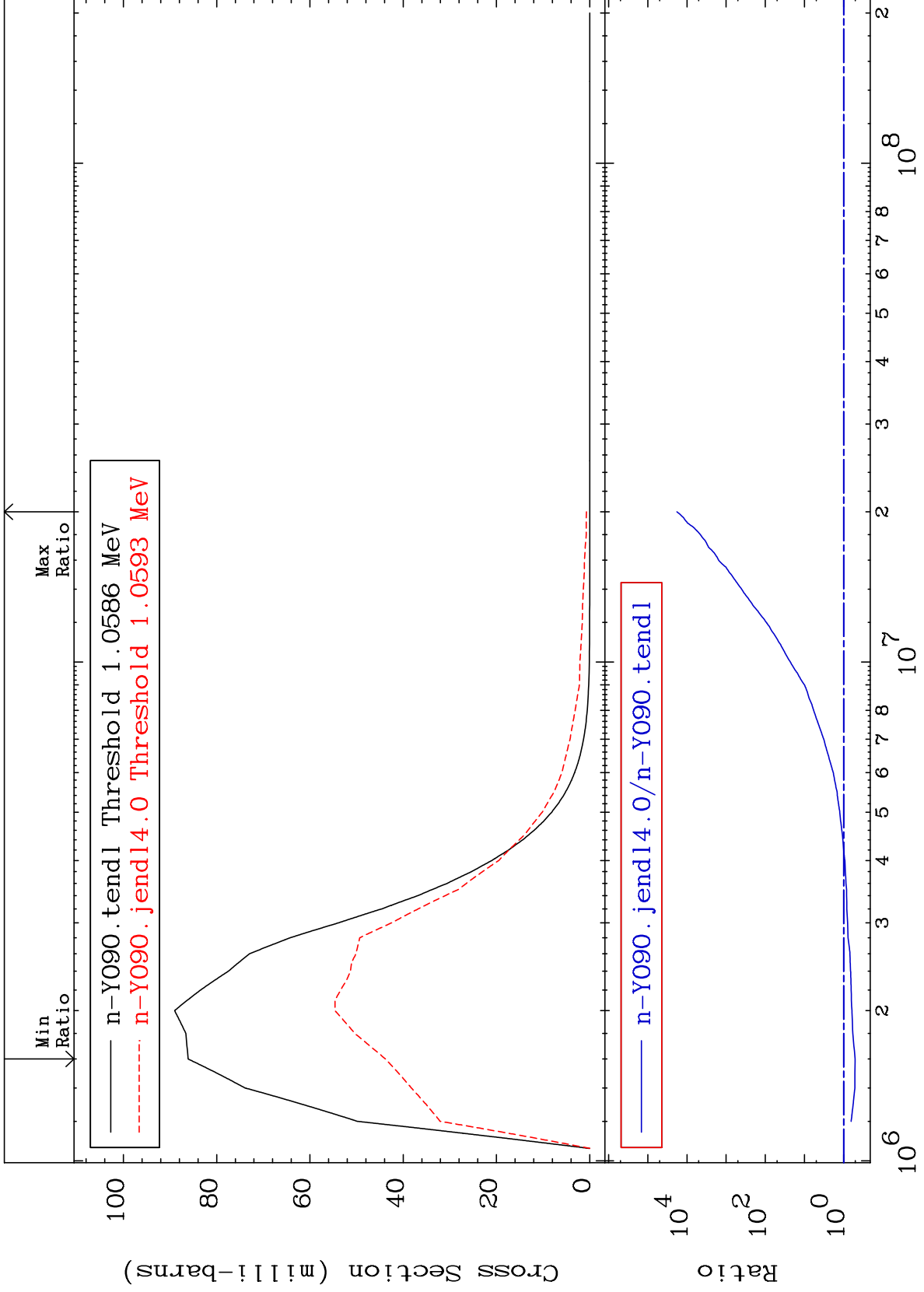
Incident Energy (eV)

39-Y -90

MAT 3928

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

39-Y -90
-49.14 To 9999. %



13

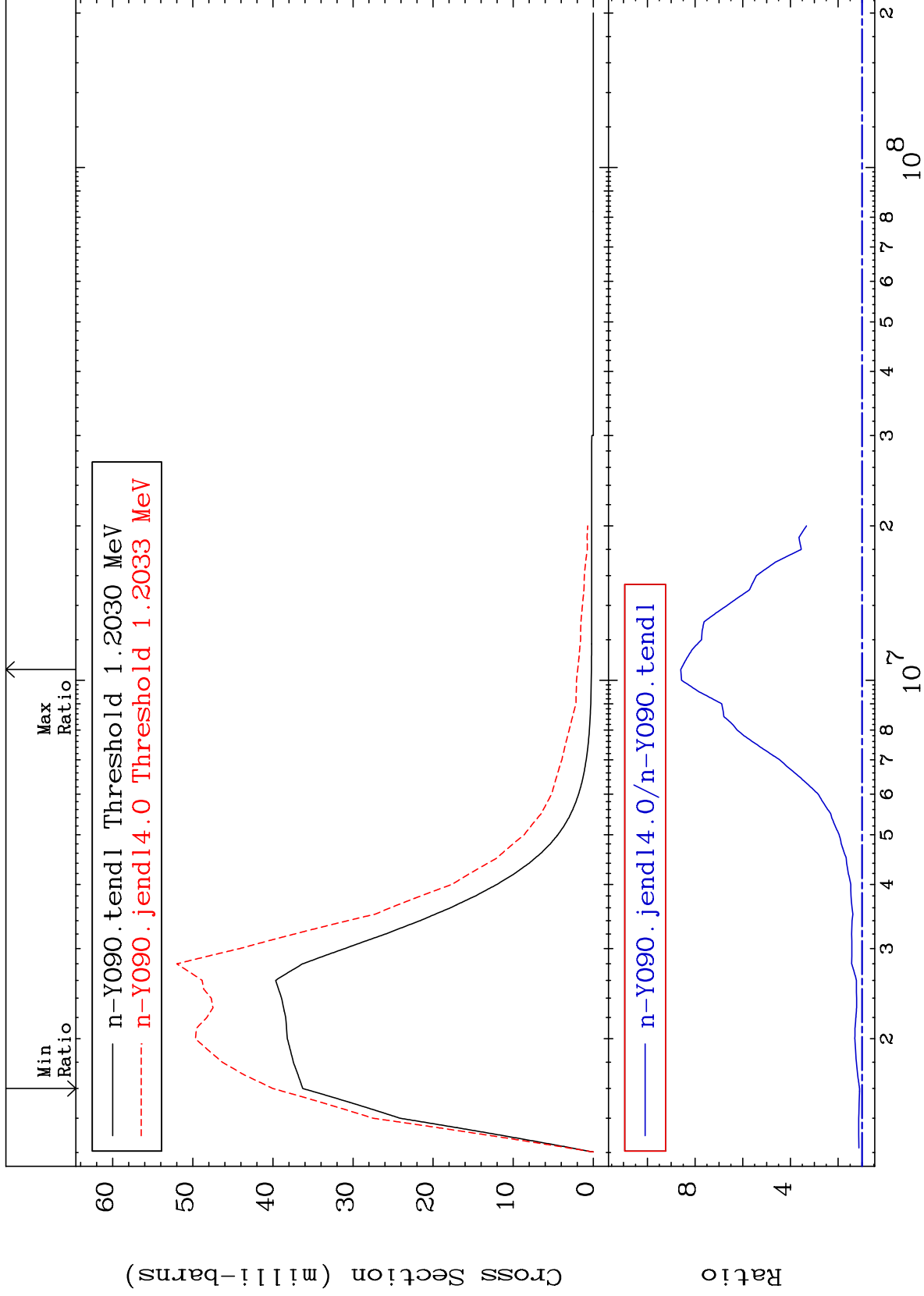
Incident Energy (eV)

39-Y -90

MAT 3928

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

39-Y -90
10.29 To 760.1 %



14

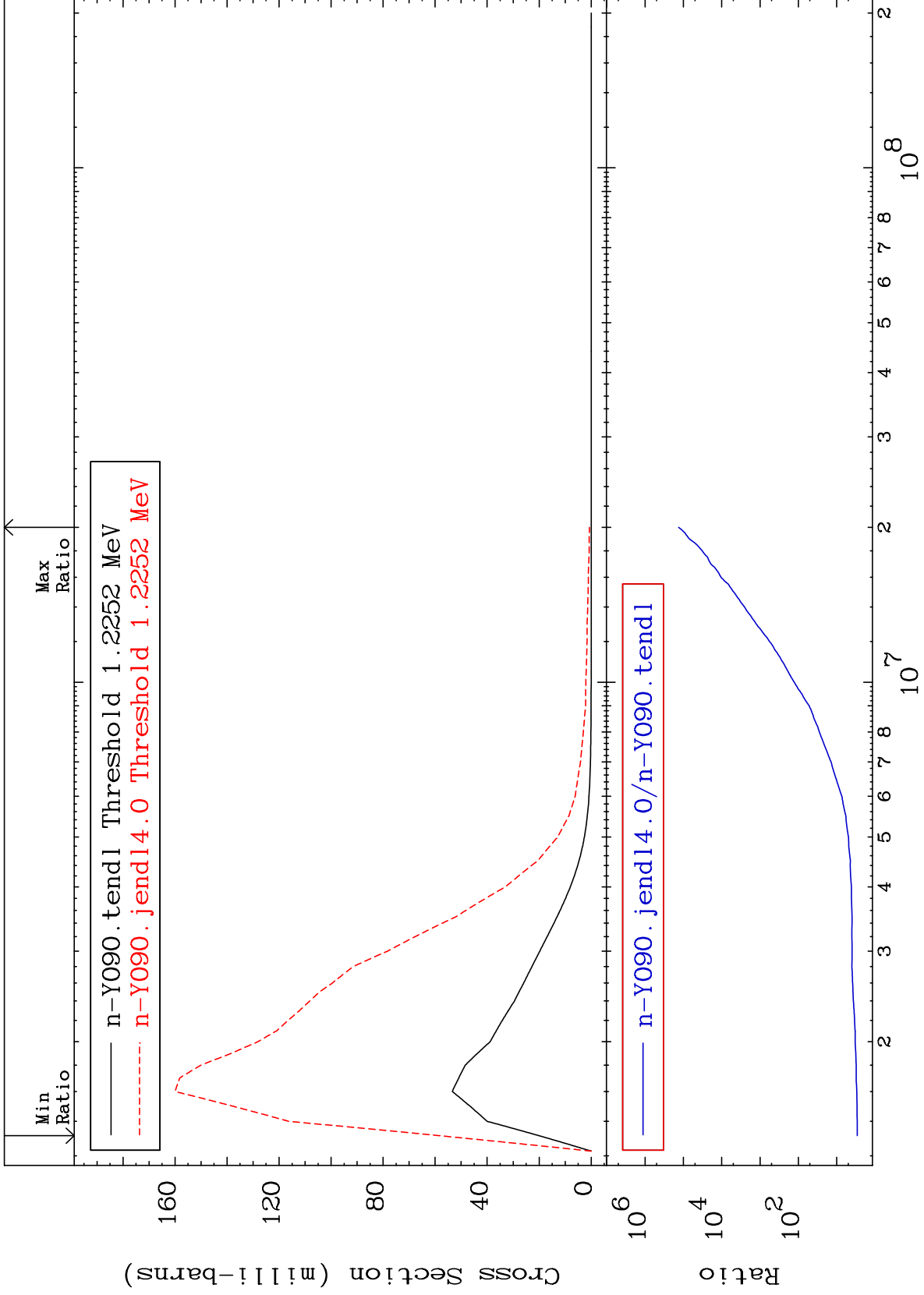
Incident Energy (eV)

39-Y -90

MAT 3928

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

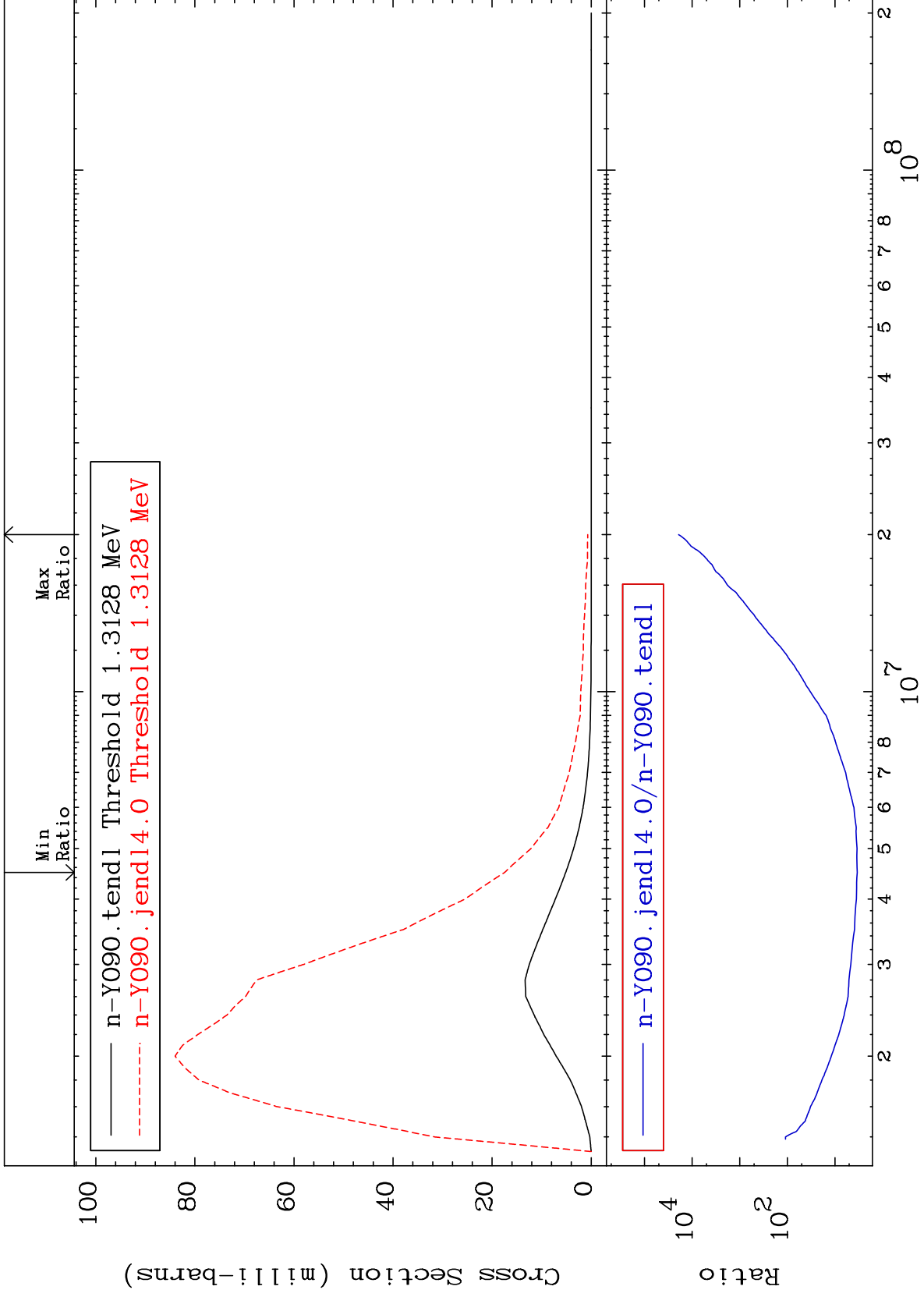
39-Y -90
190.5 To 9999. %



MAT 3928

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

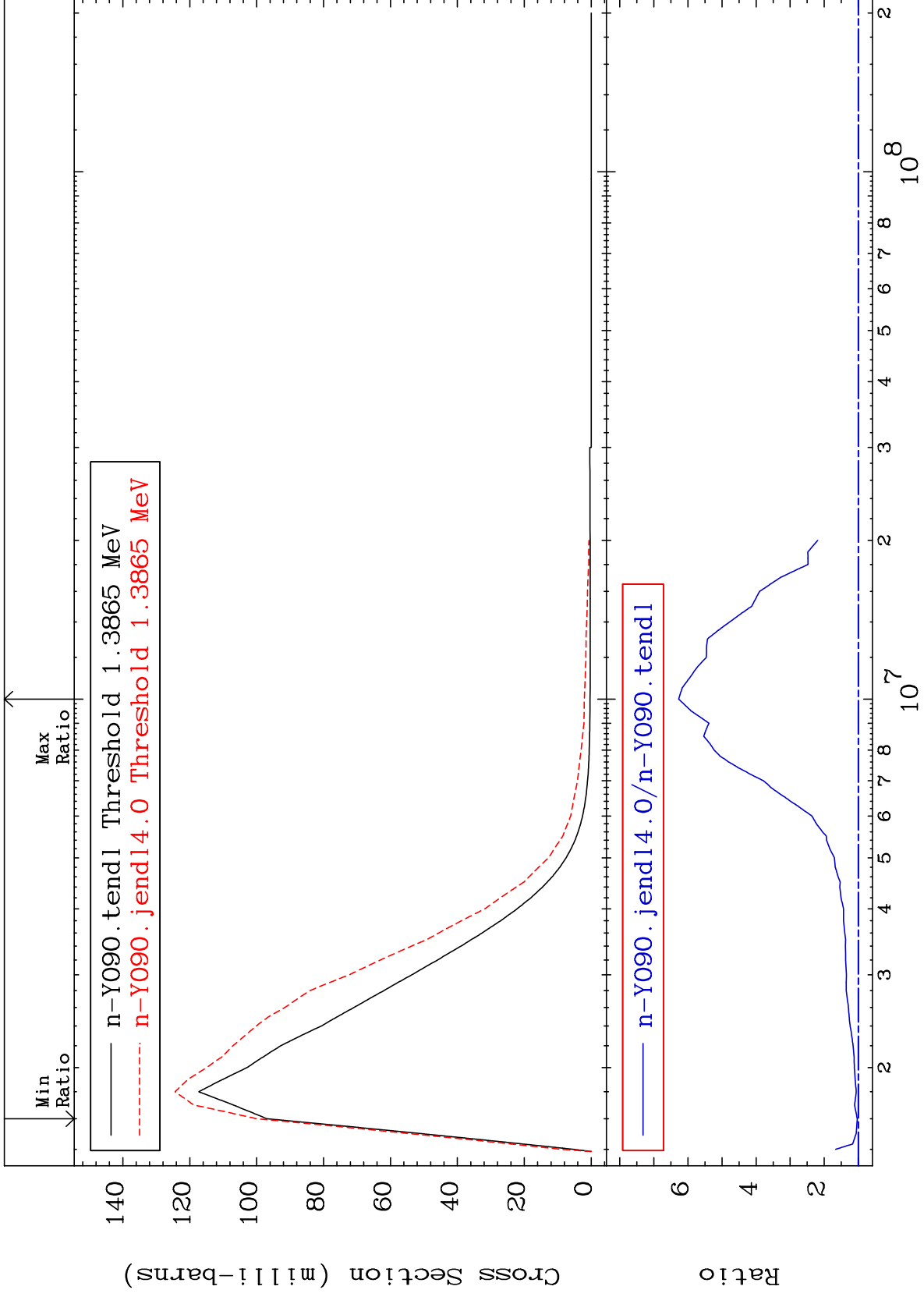
39-Y -90
239.2 To 9999. %



MAT 3928

MT= 59 (n,n') Level
Cross Section

39-Y -90
To 527.3 %



17

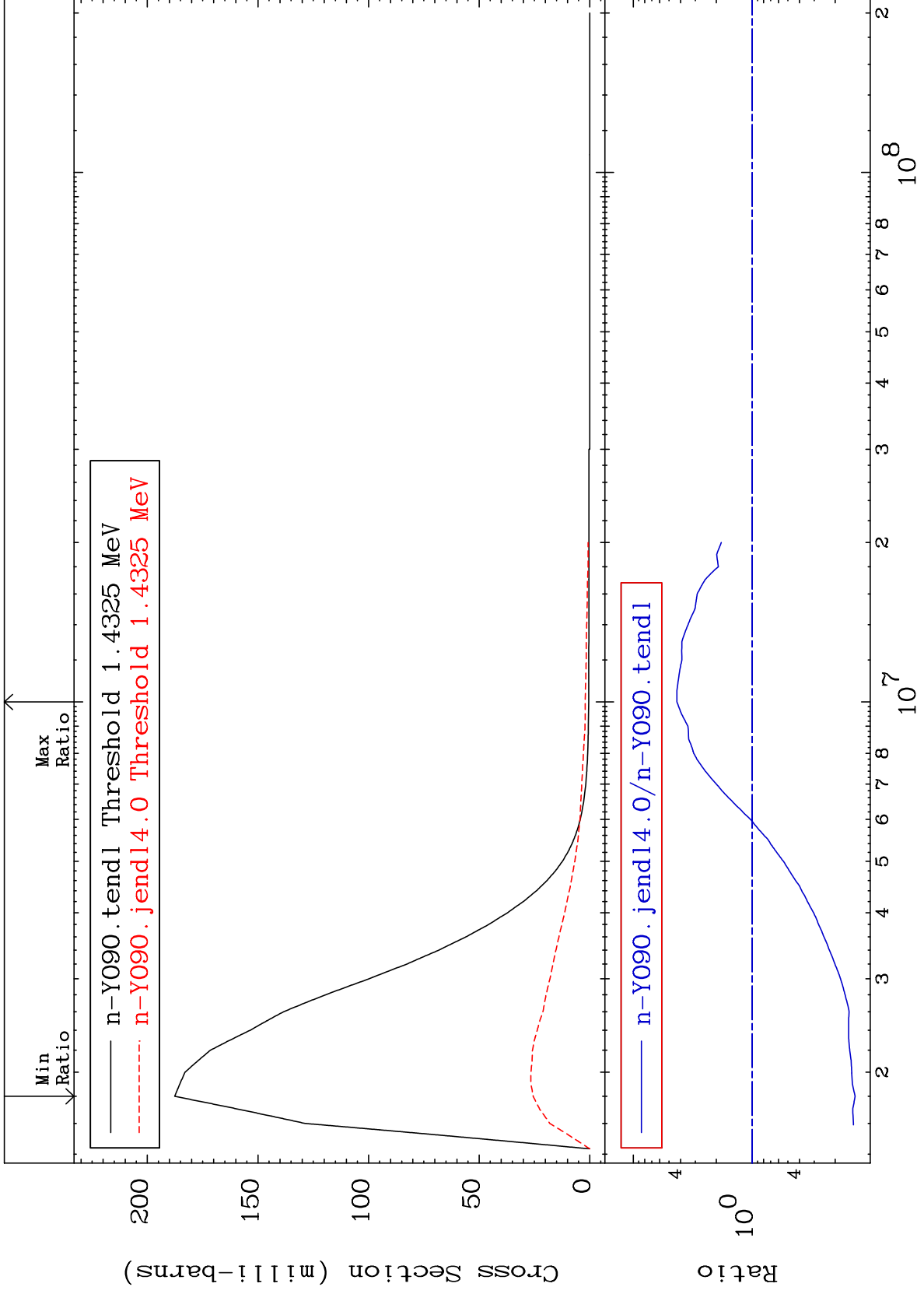
Incident Energy (eV)

39-Y -90

MAT 3928

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

39-Y -90
-86.39 To 329.3 %



18

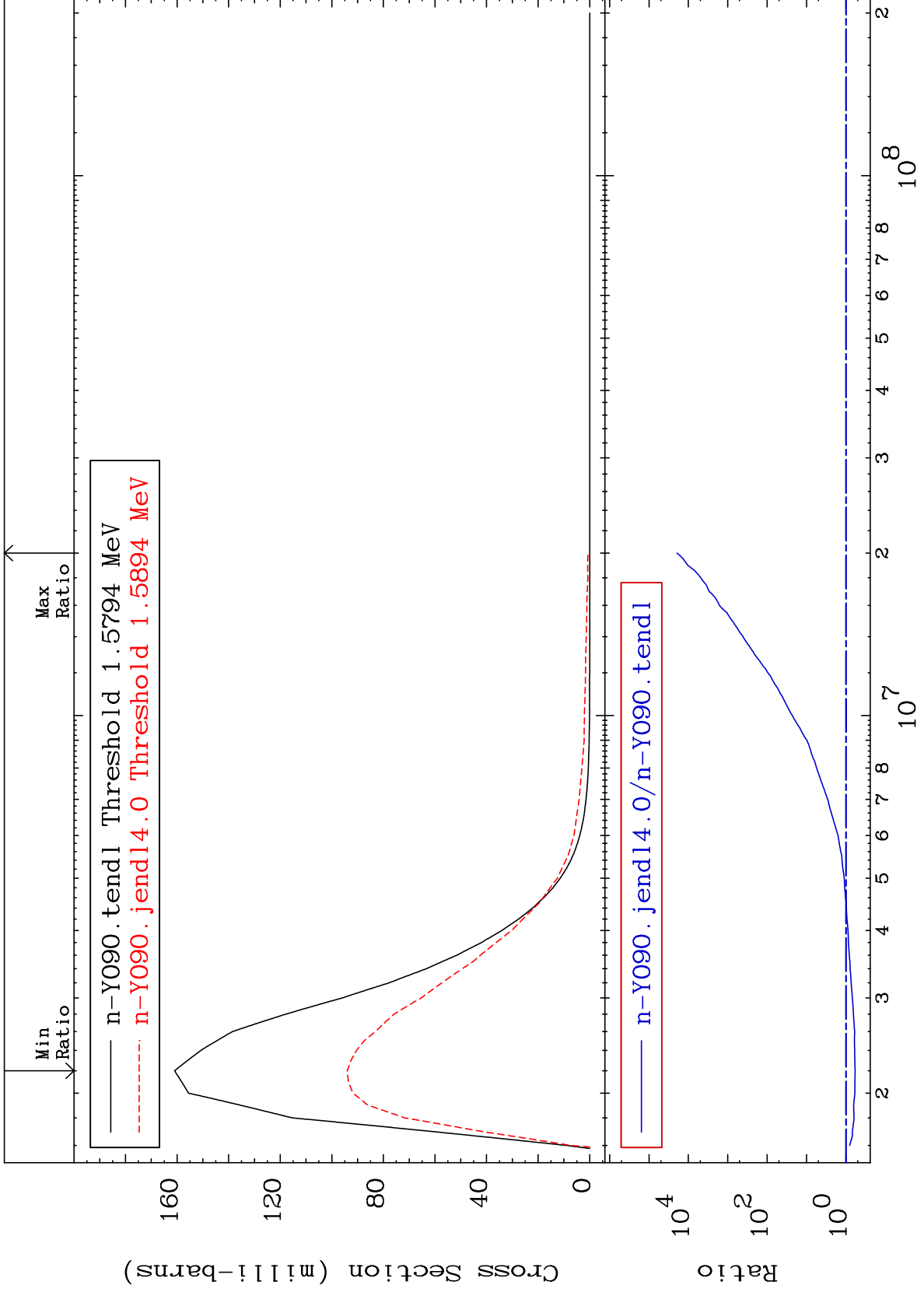
Incident Energy (eV)

39-Y -90

MAT 3928

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

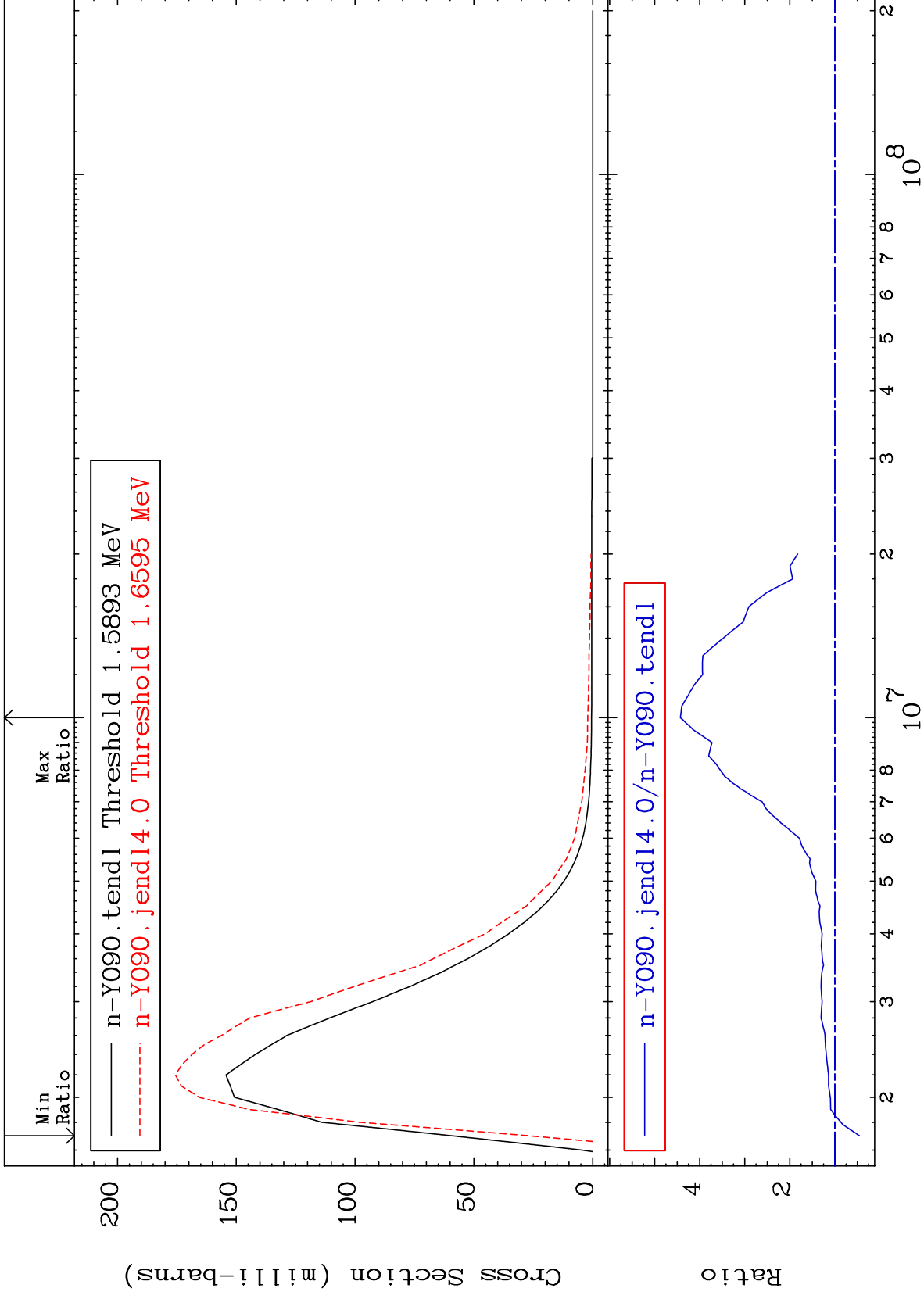
39-Y -90
-41.60 To 9999. %



MAT 3928

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

39-Y -90
-54.86 To 343.0 %



20

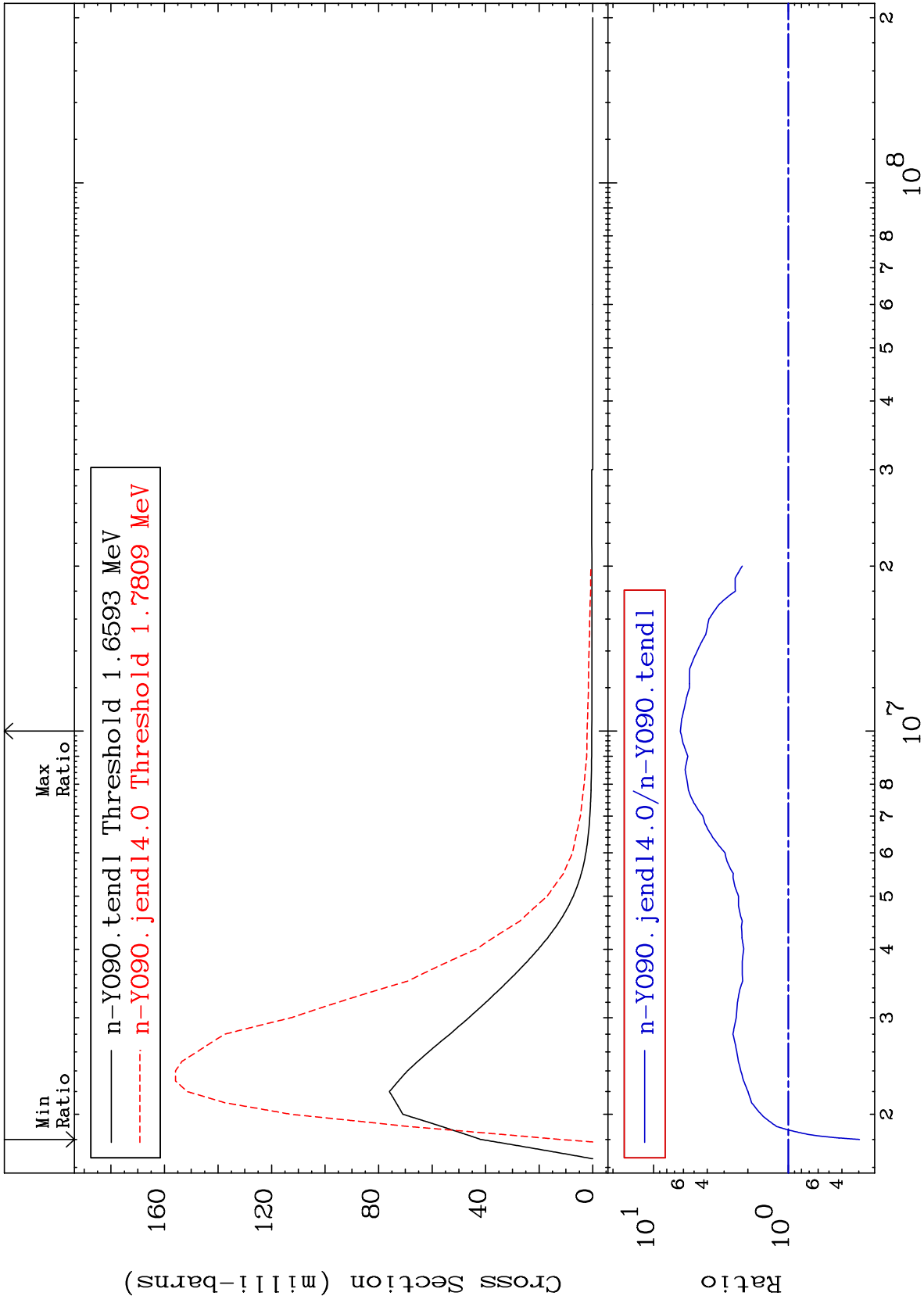
Incident Energy (eV)

39-Y -90

MAT 3928

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

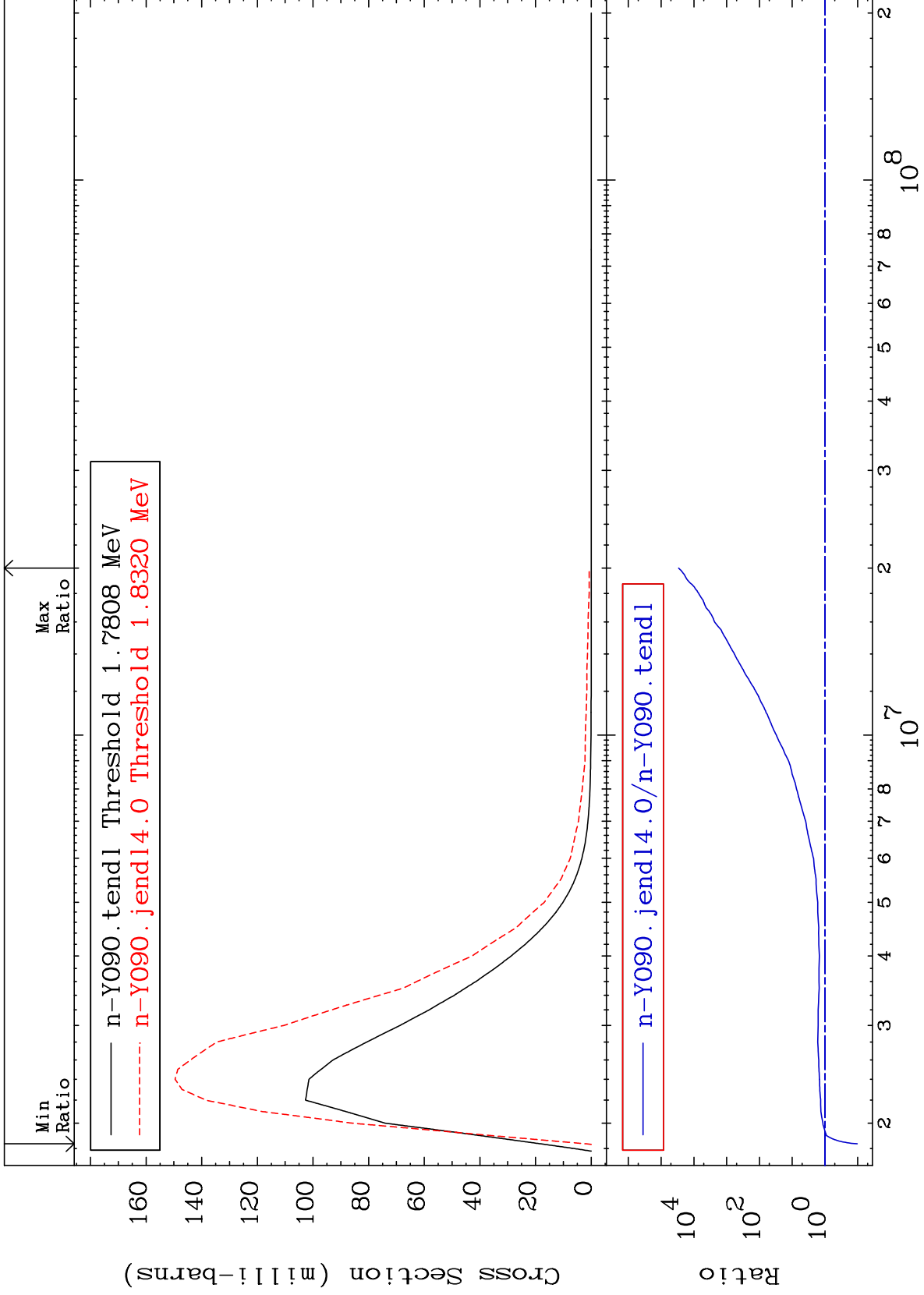
39-Y -90
-70.32 To 533.0 %



MAT 3928

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

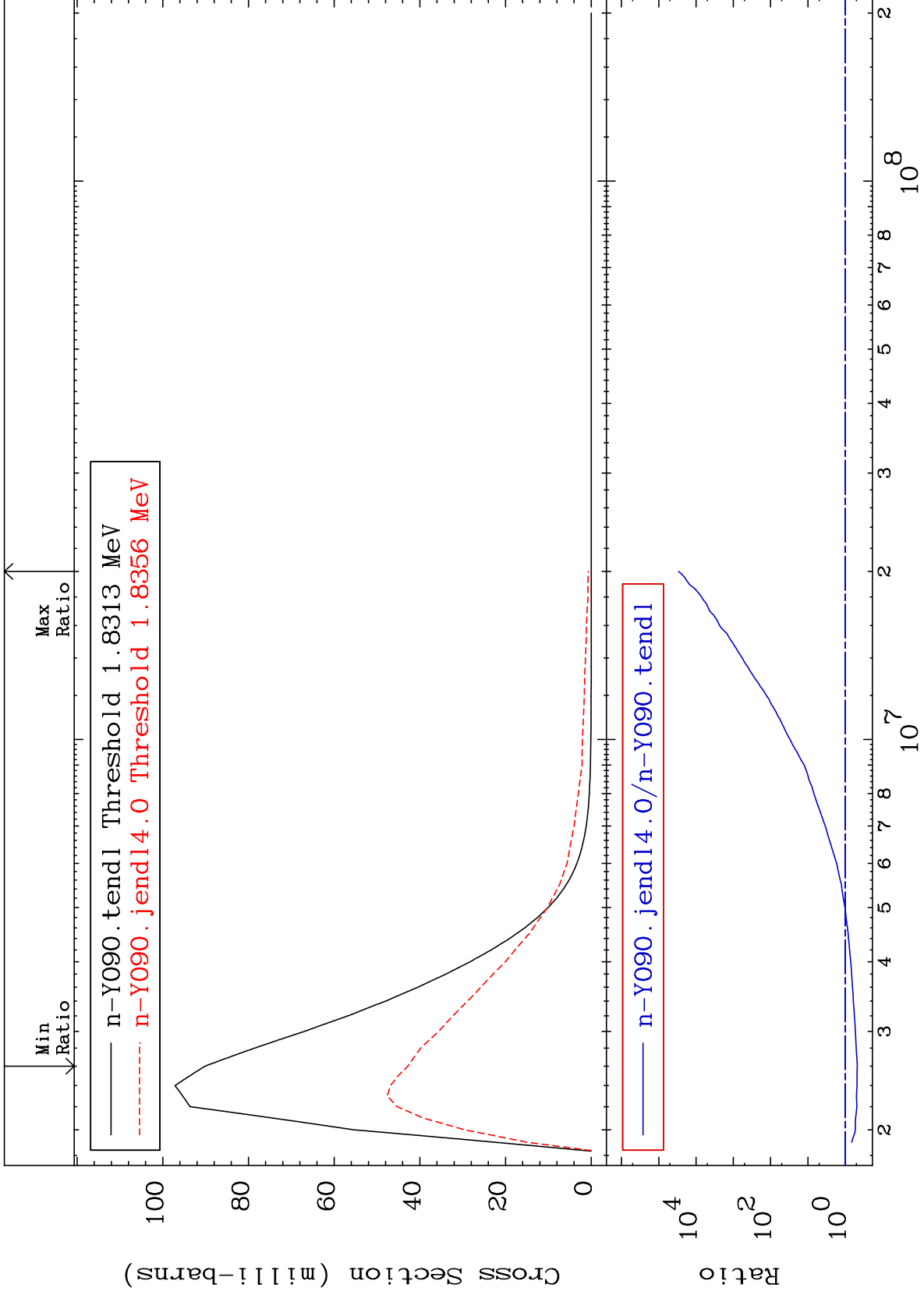
39-Y -90
-89.66 To 9999. %



MAT 3928

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

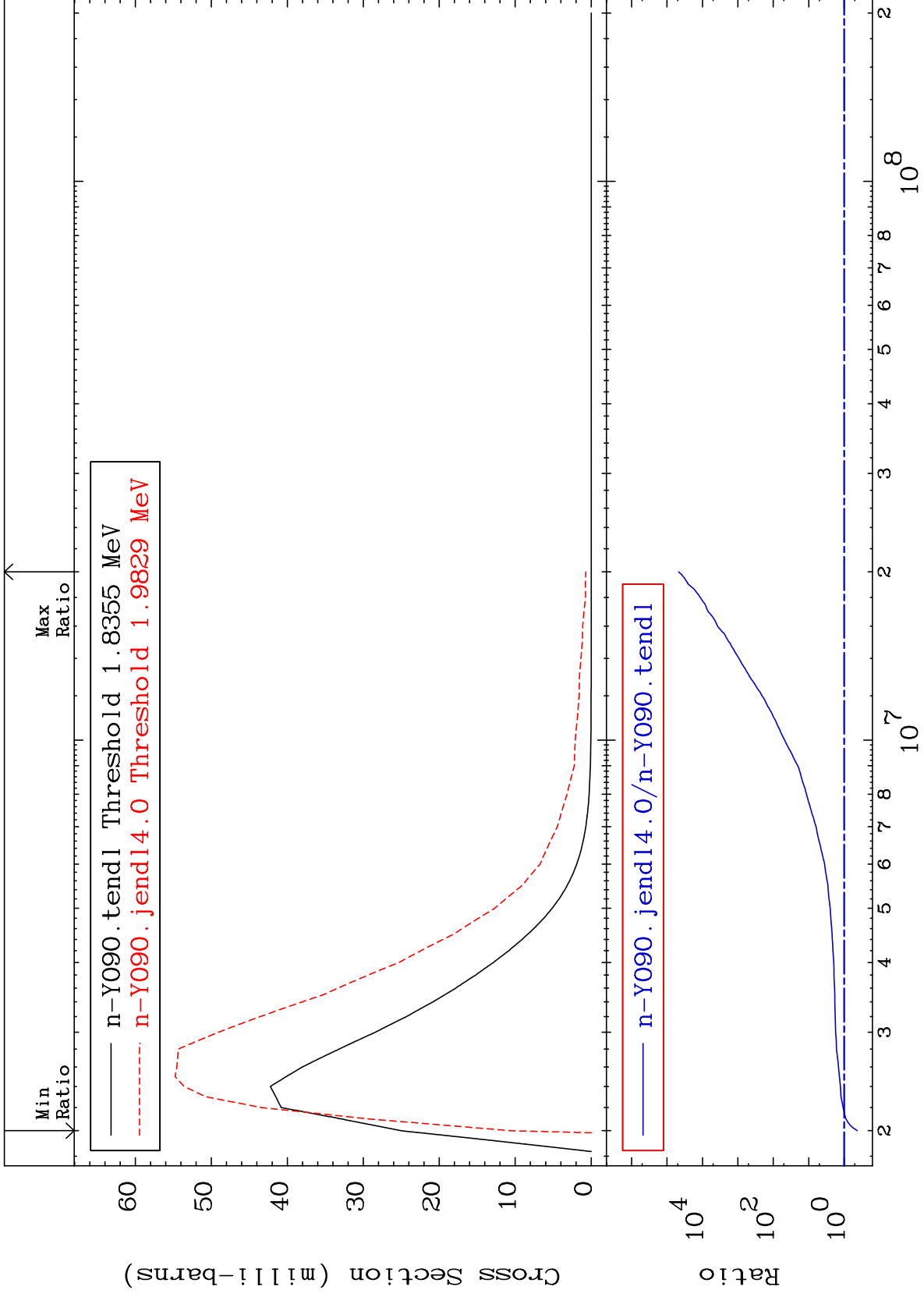
39-Y -90
-52.54 To 9999. %



MAT 3928

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

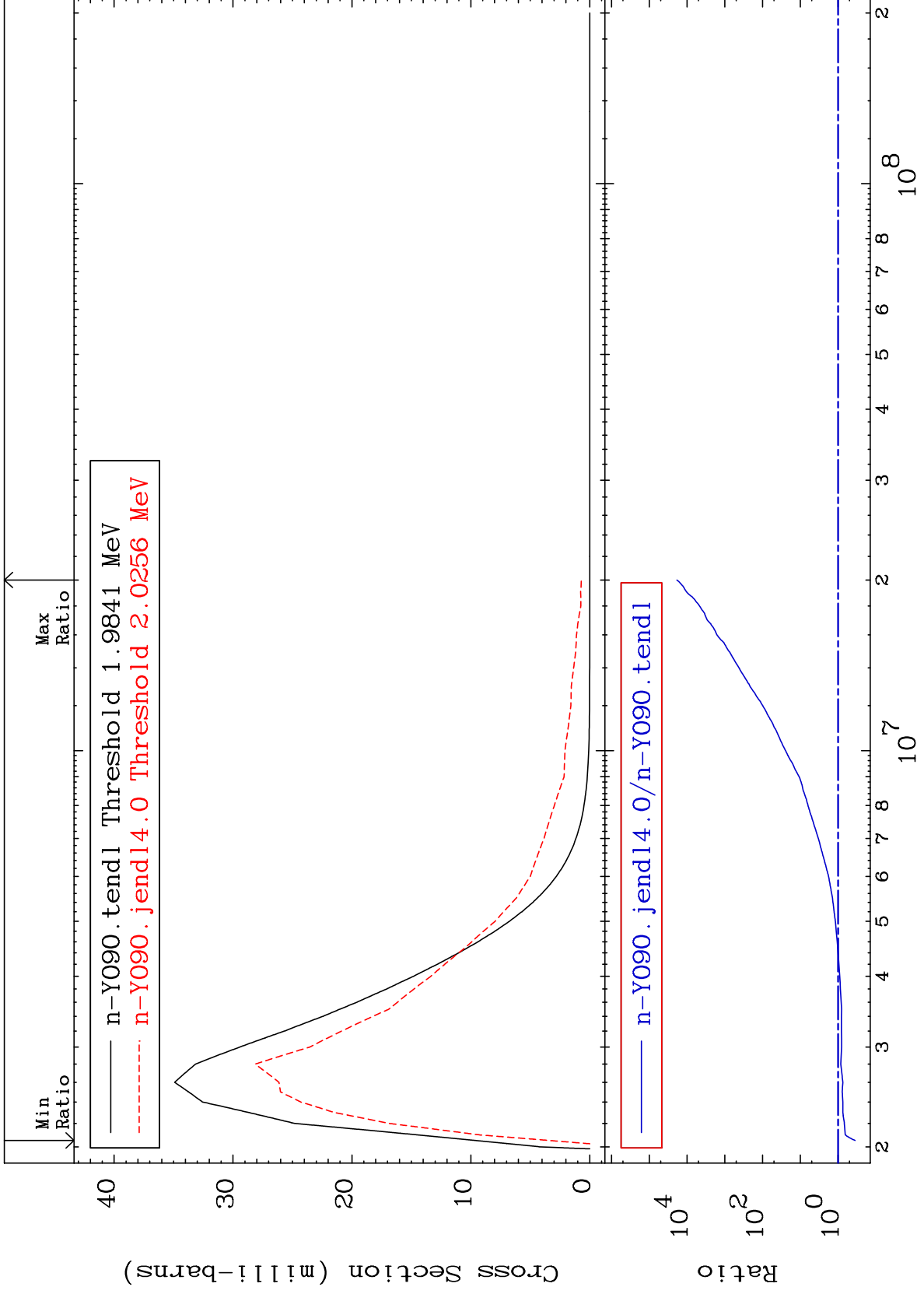
39-Y -90
-57.44 To 9999. %



MAT 3928

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

39-Y -90
-64.66 To 9999. %



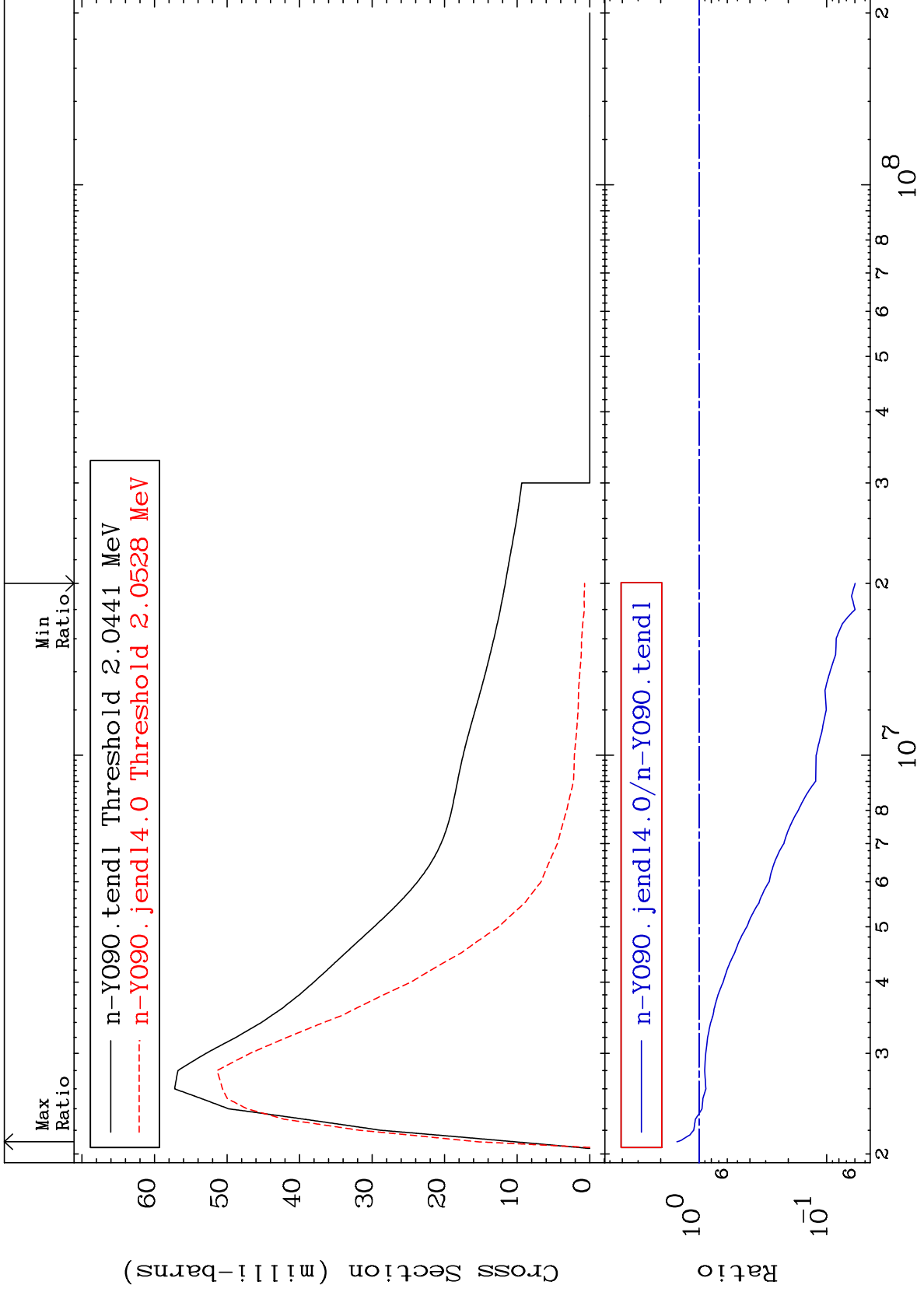
25

39-Y -90

MAT 3928

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

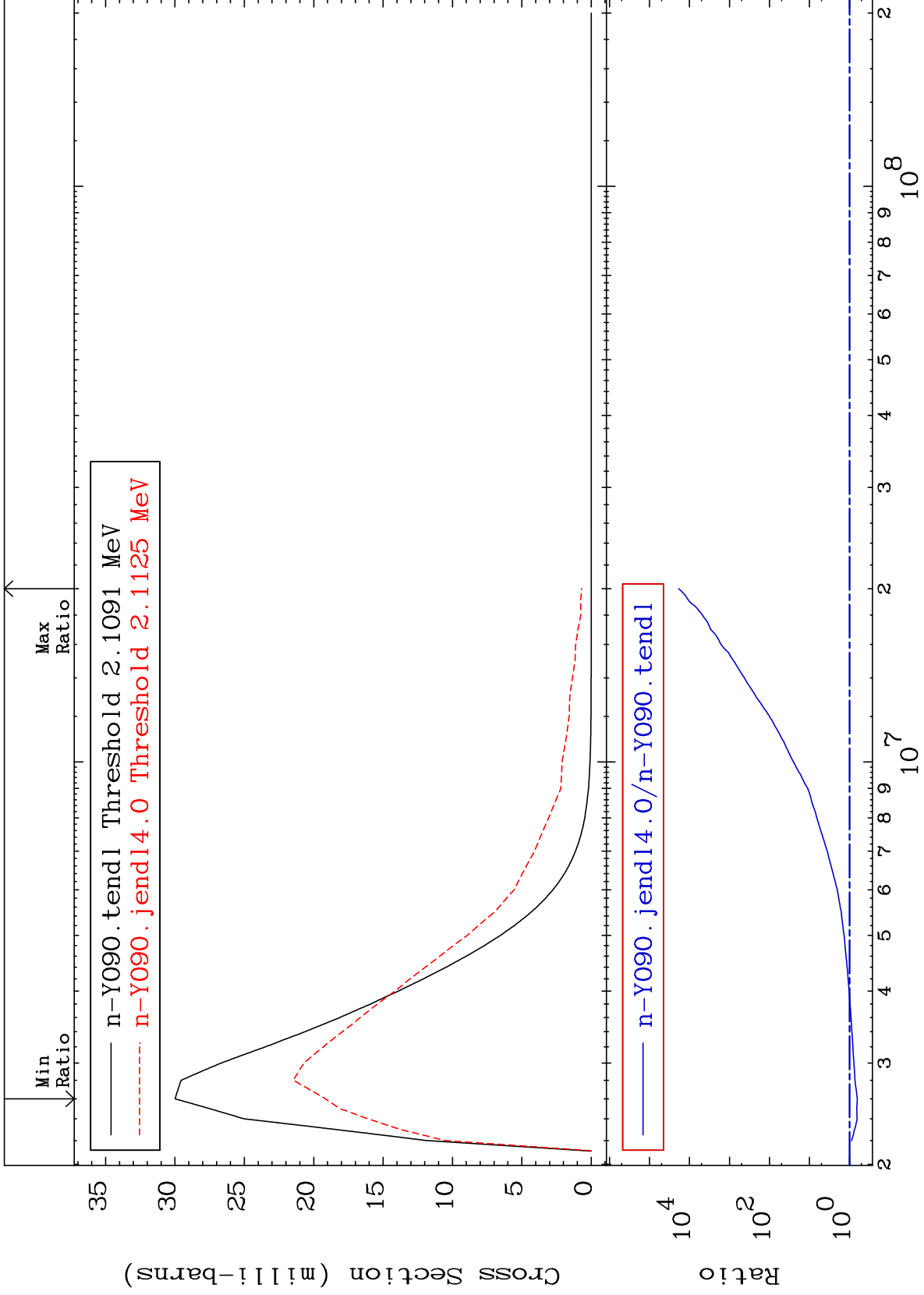
39-Y -90
-94.02 To 49.08 %



MAT 3928

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

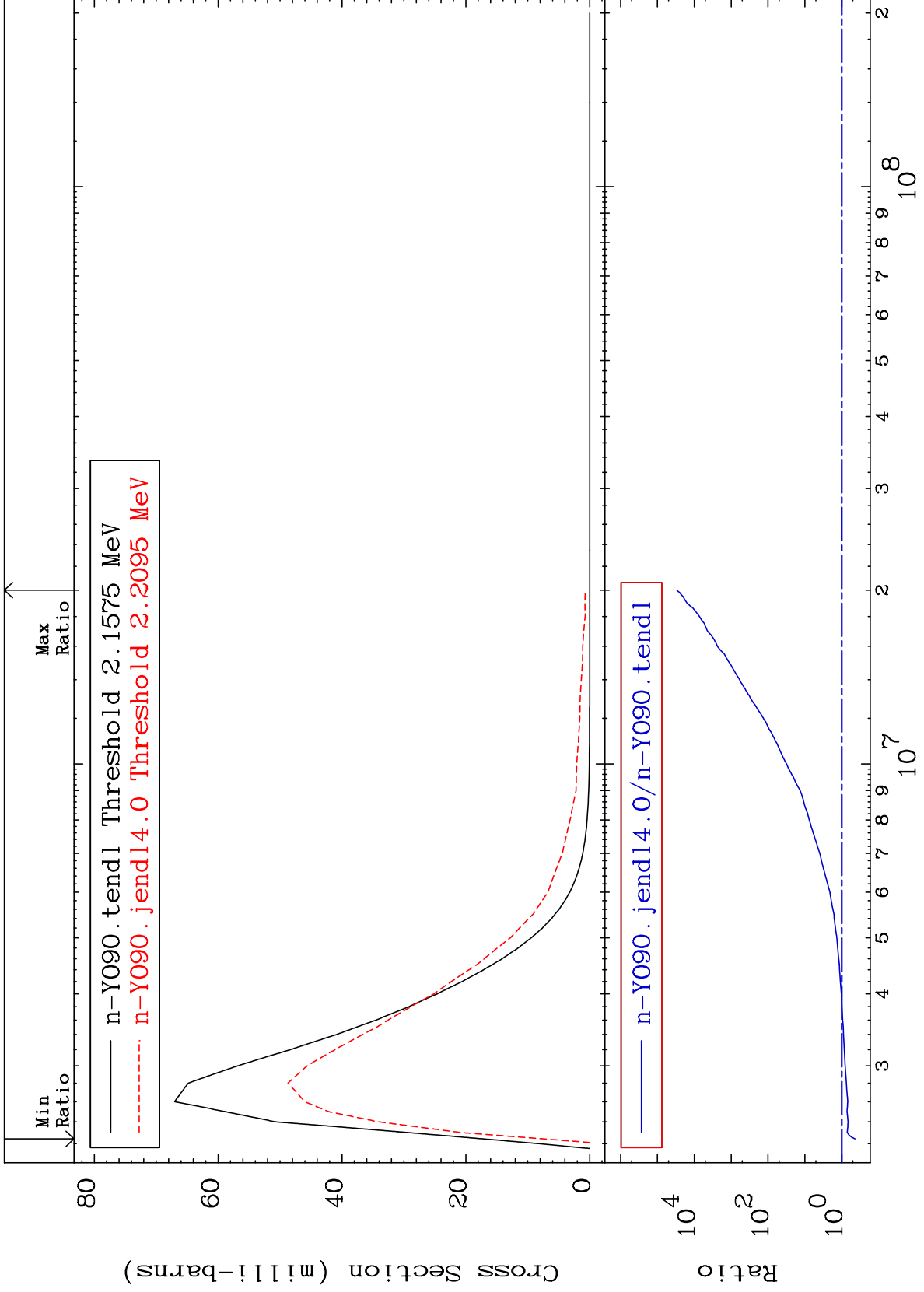
39-Y -90
-36.13 To 9999. %



MAT 3928

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

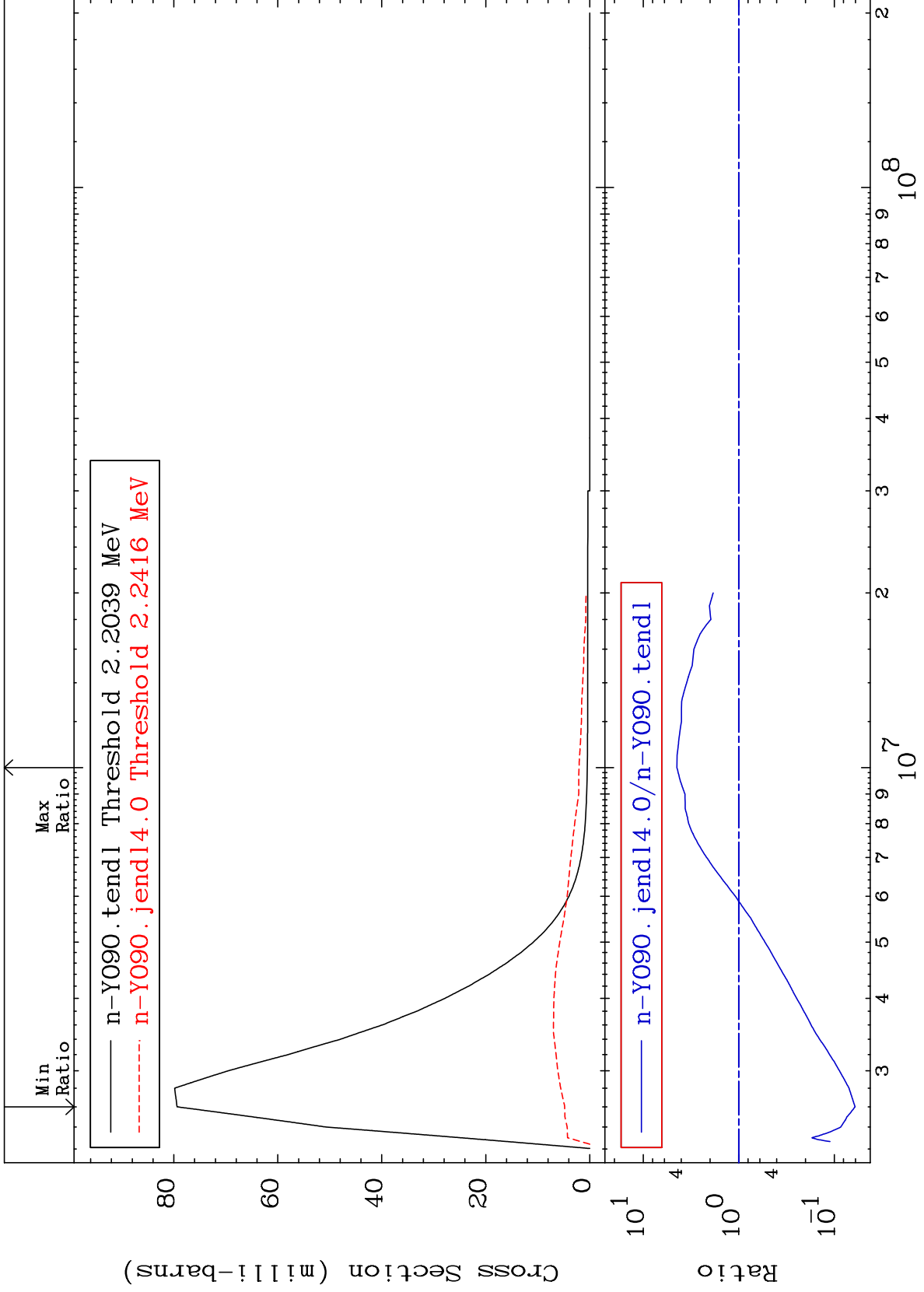
39-Y -90
-56.65 To 9999. %



MAT 3928

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

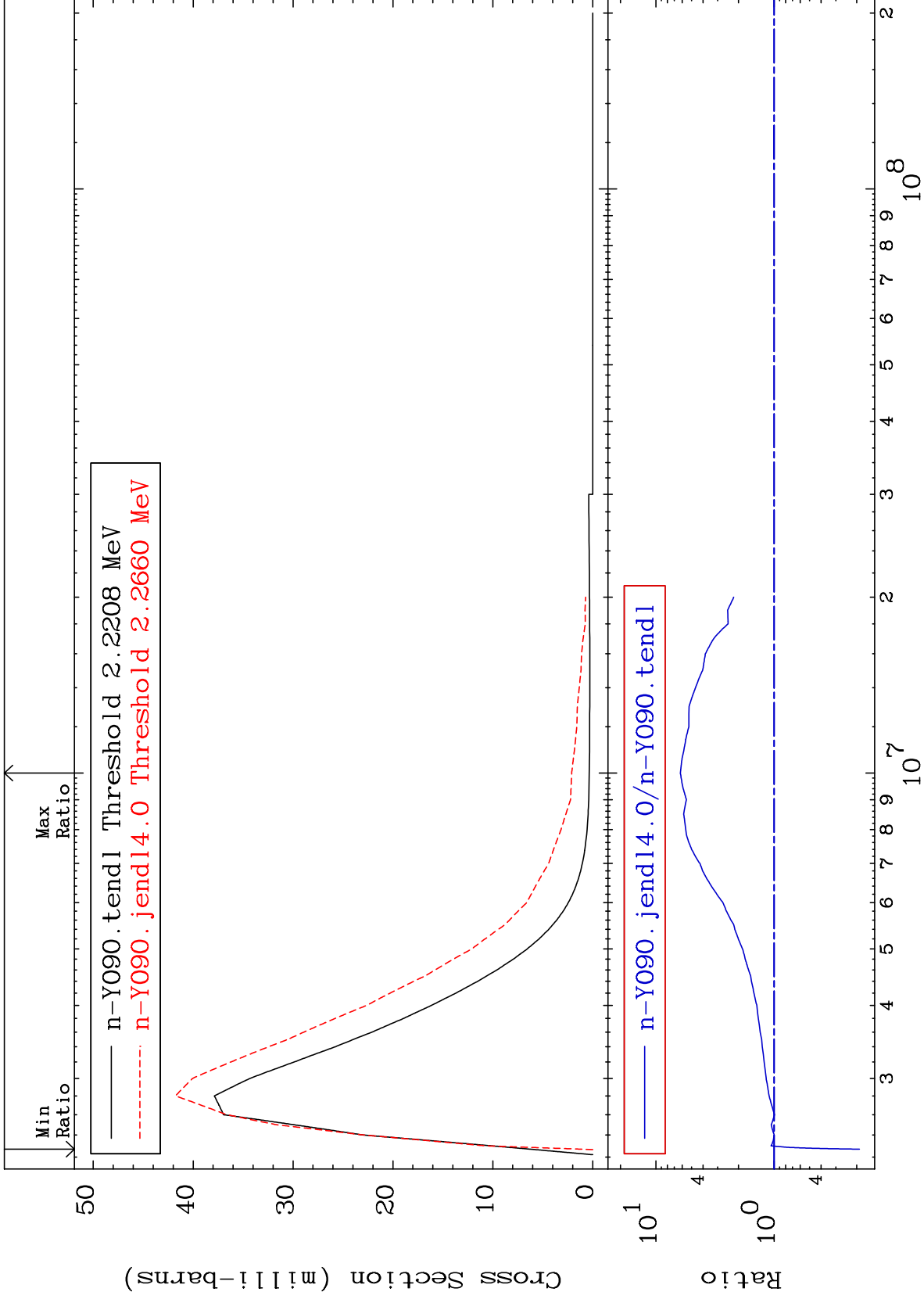
39-Y -90
-93.95 To 344.3 %



MAT 3928

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

39-Y -90
-81.05 To 521.6 %



30

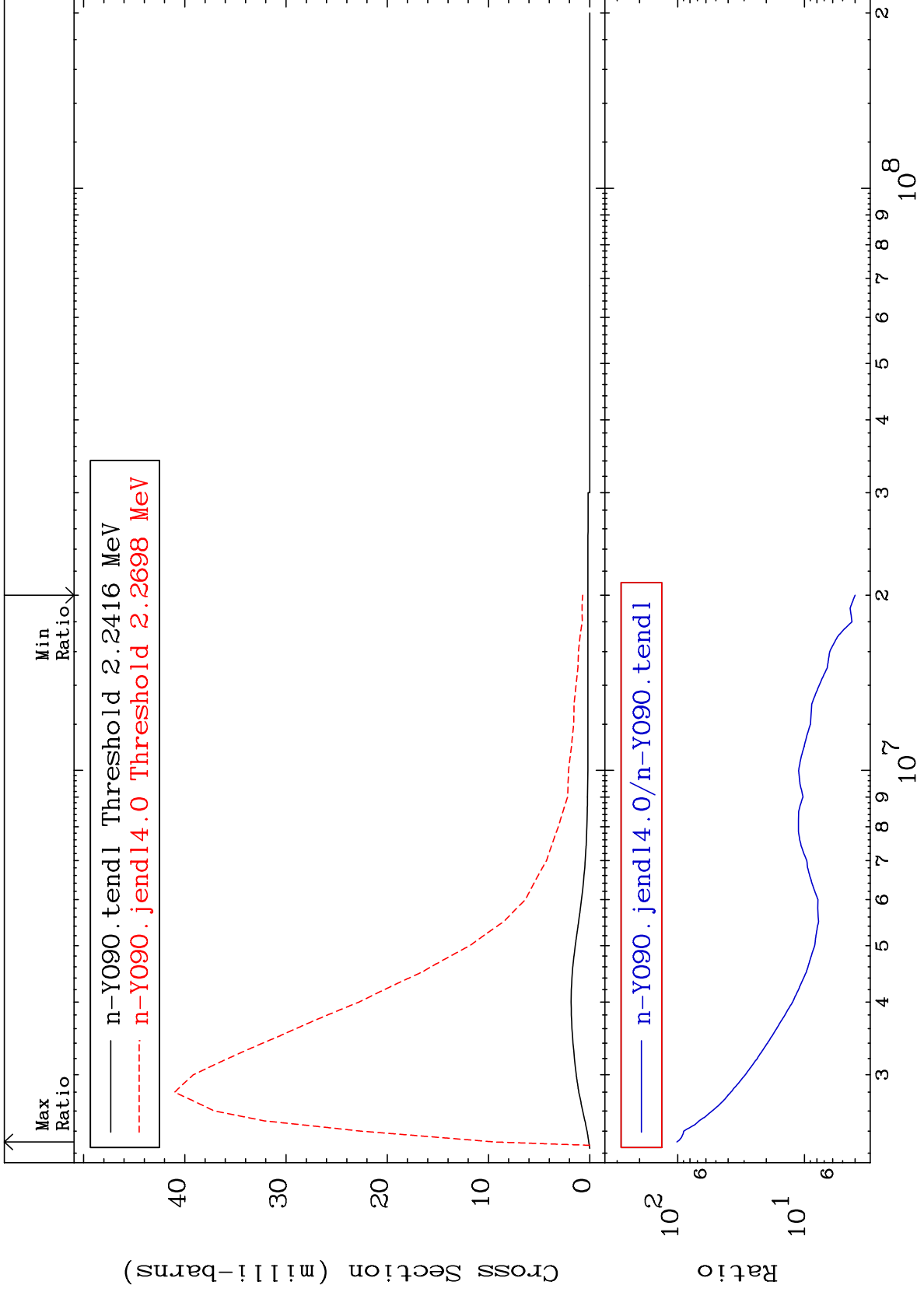
Incident Energy (eV)

39-Y -90

MAT 3928

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

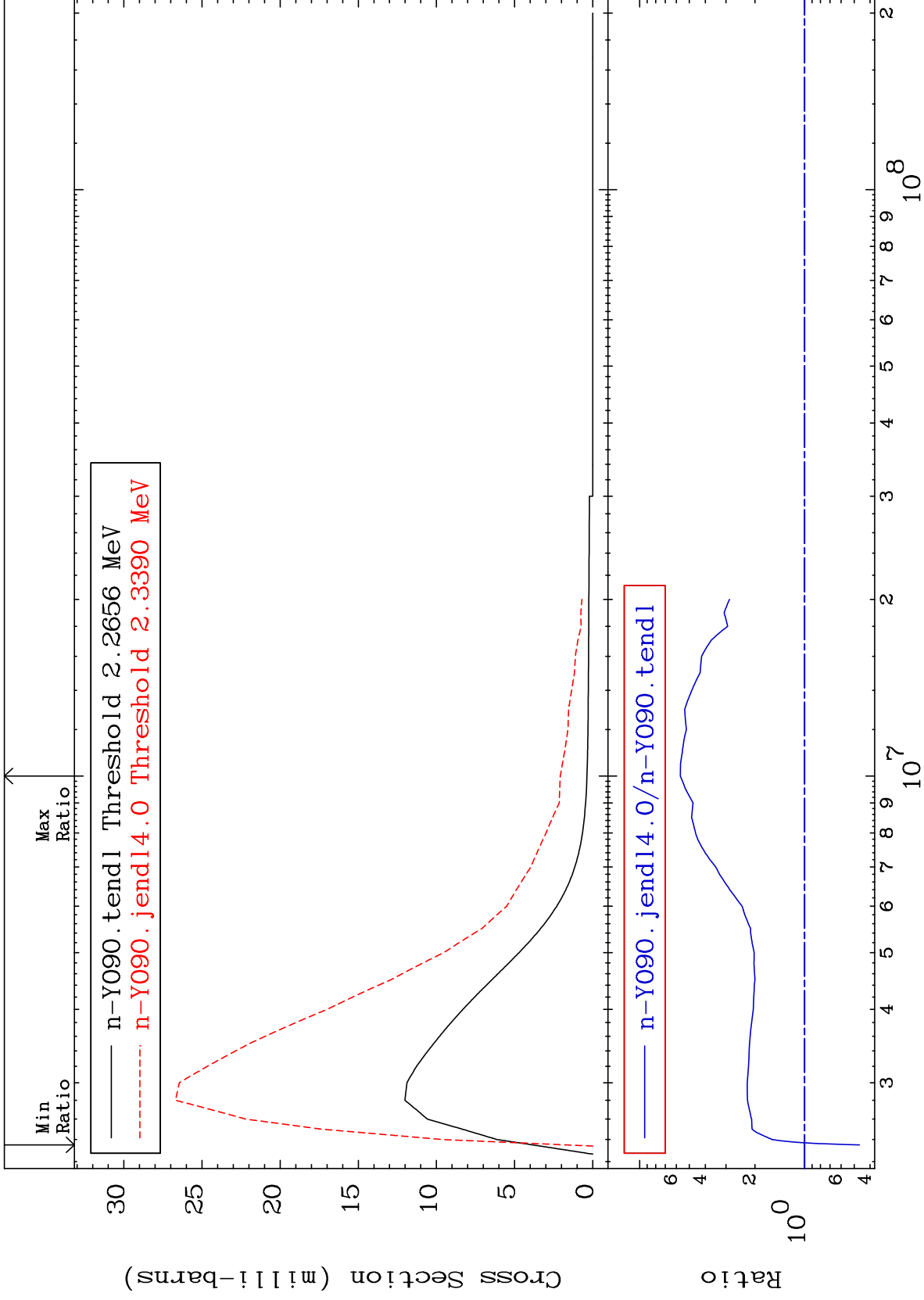
299.4 To 9999. %
39-Y -90

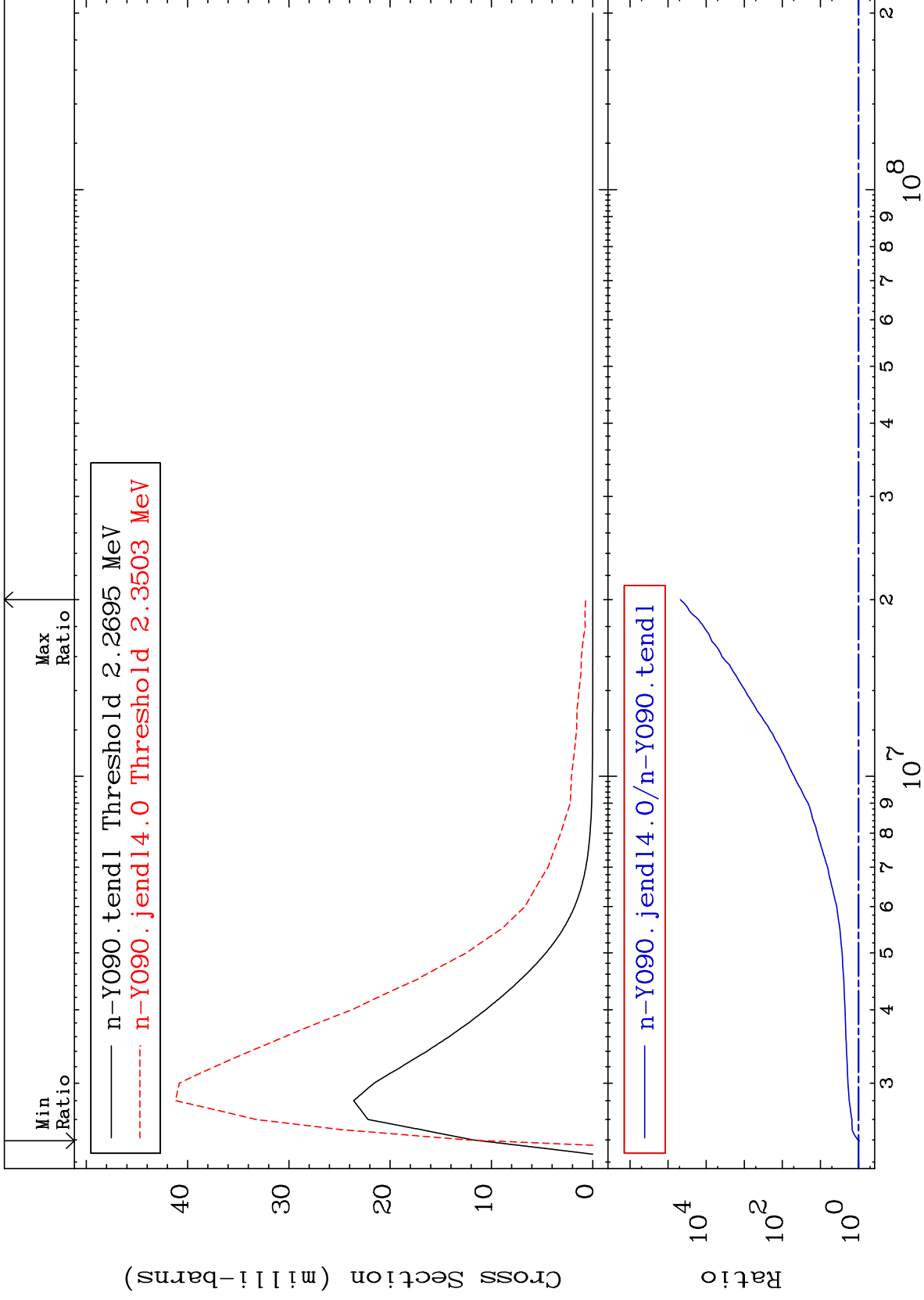


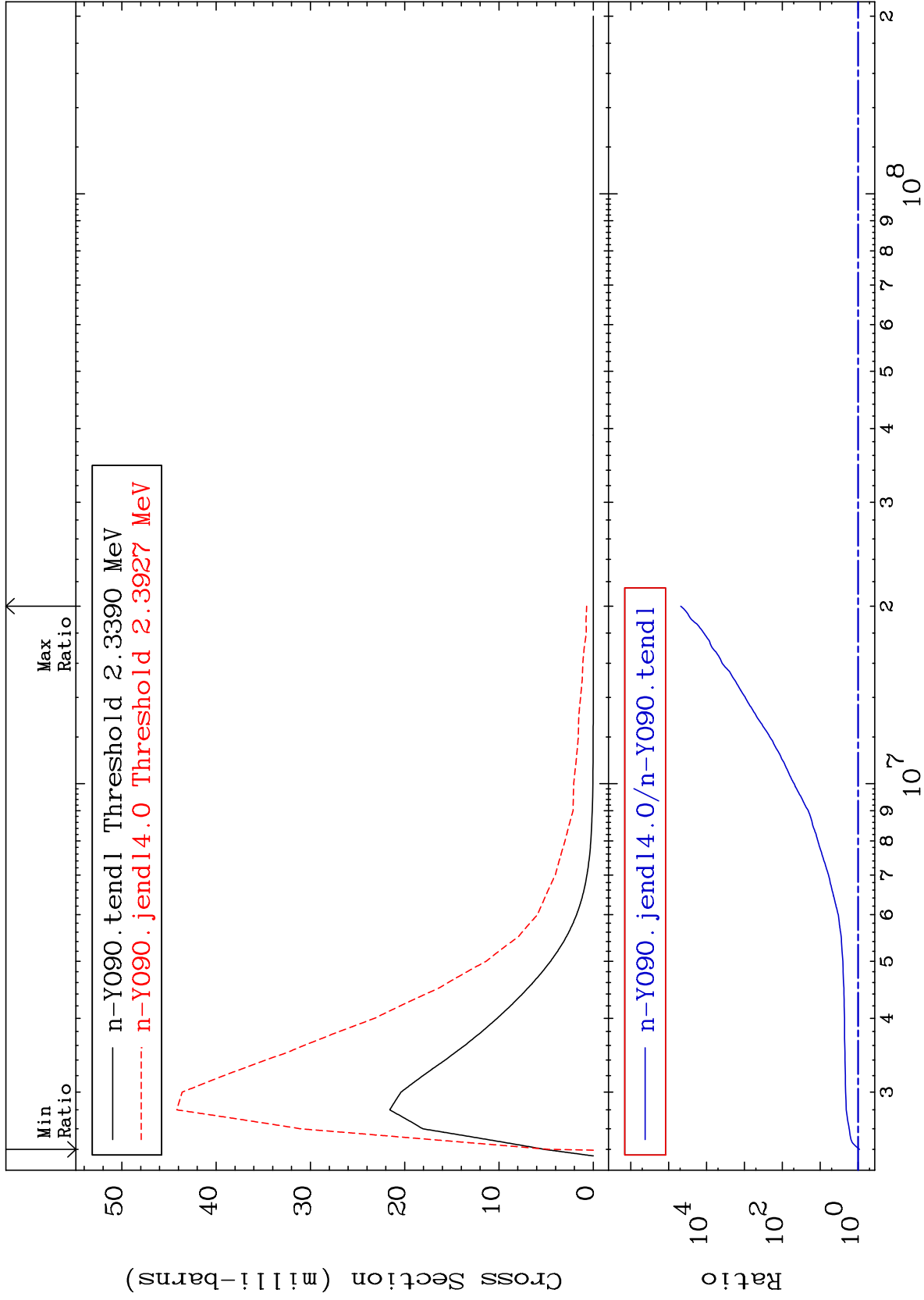
MAT 3928

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

39-Y -90
-53.55 To 466.6 %



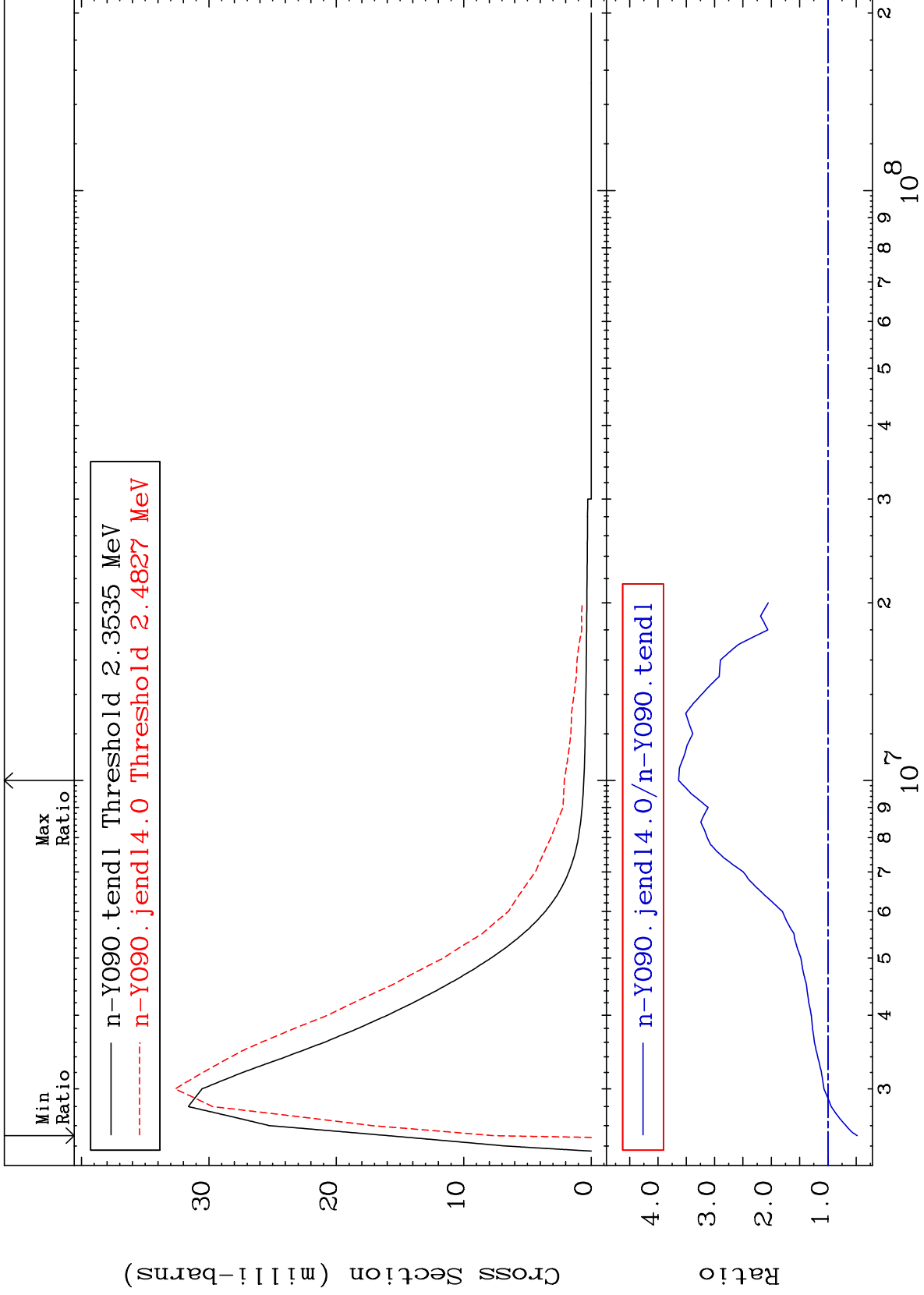




MAT 3928

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

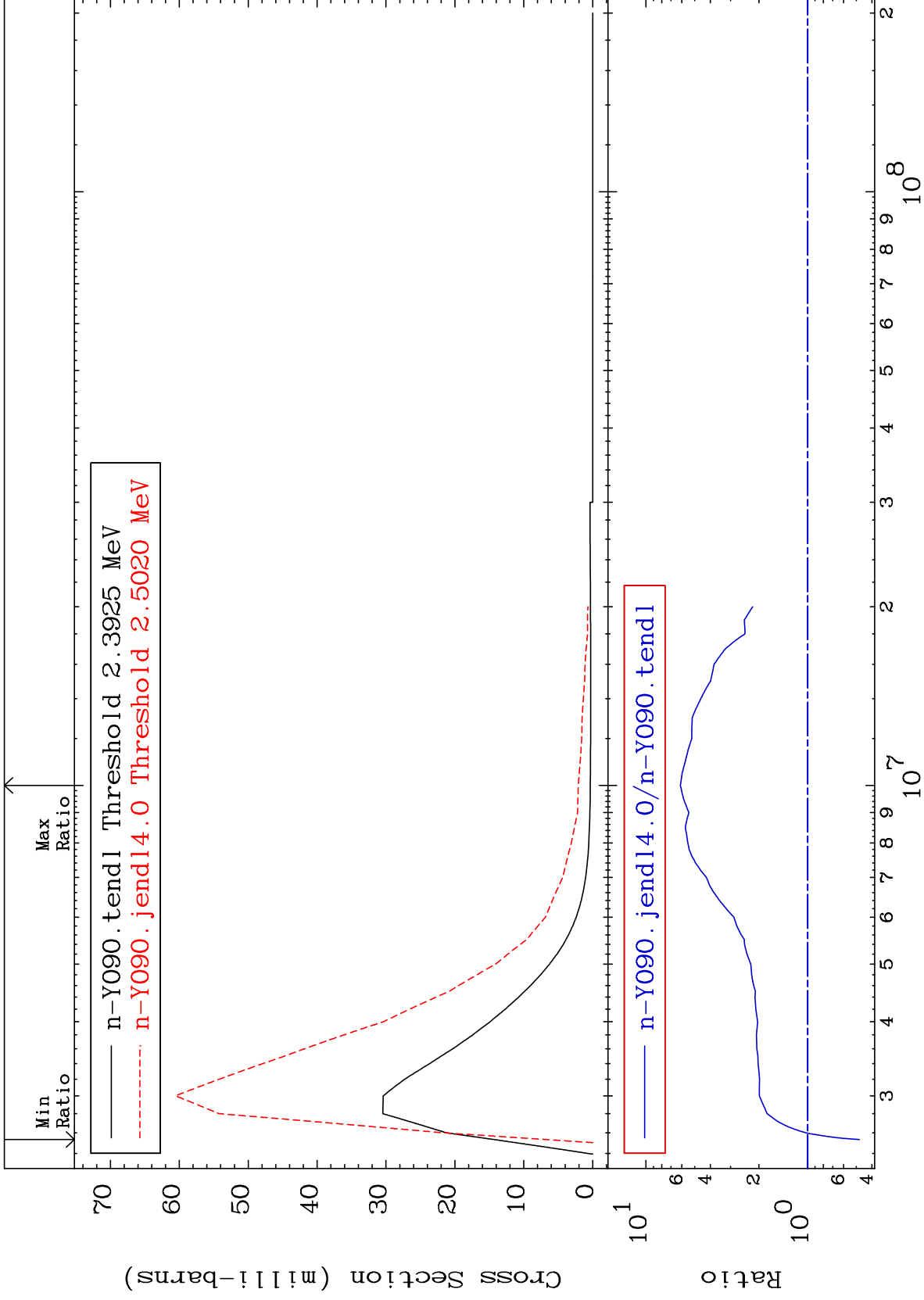
39-Y -90
-51.94 To 263.6 %



35

Incident Energy (eV)

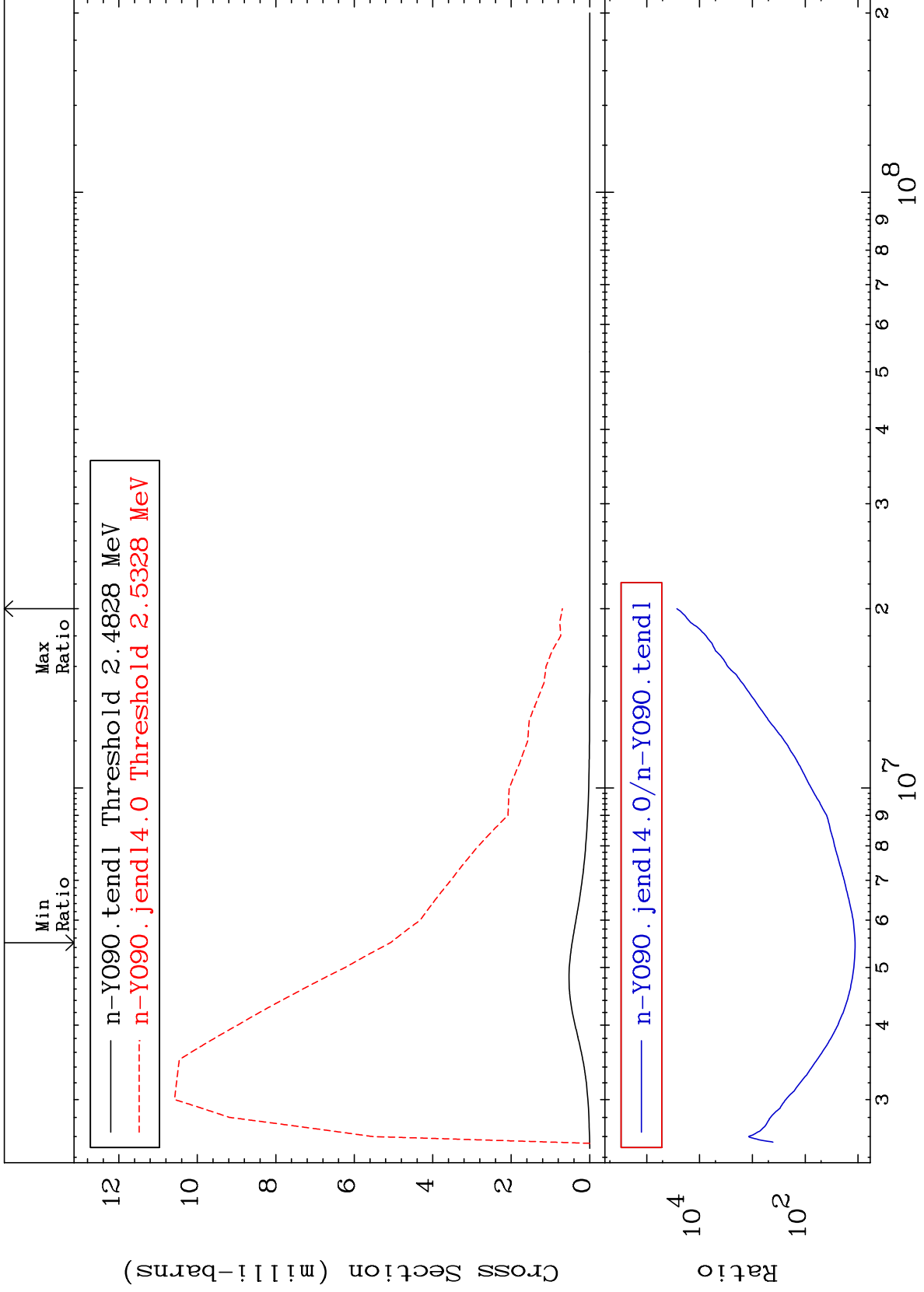
39-Y -90



MAT 3928

MT= 79 (n,n') Level
Cross Section

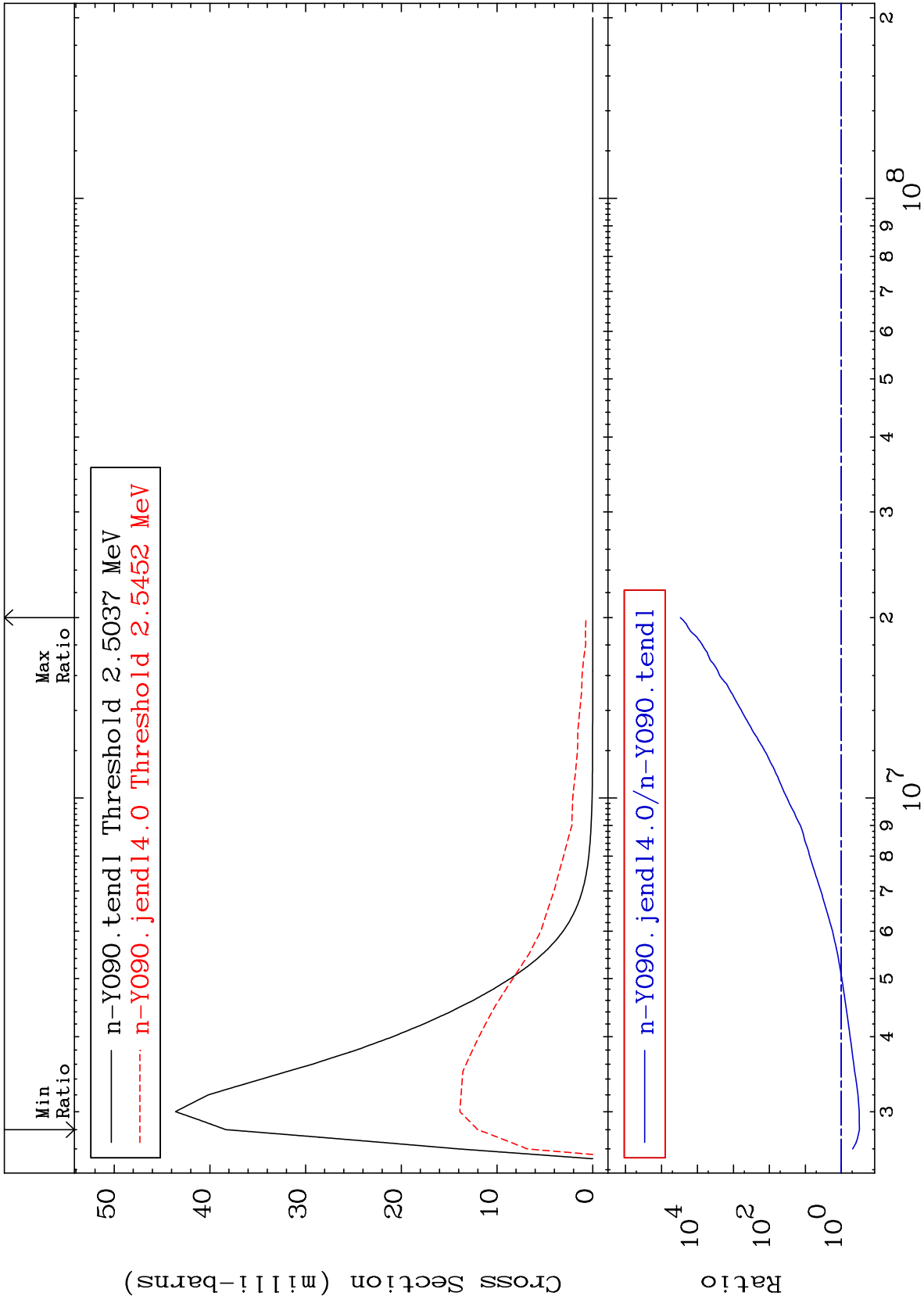
39-Y -90
1036. To 9999. %

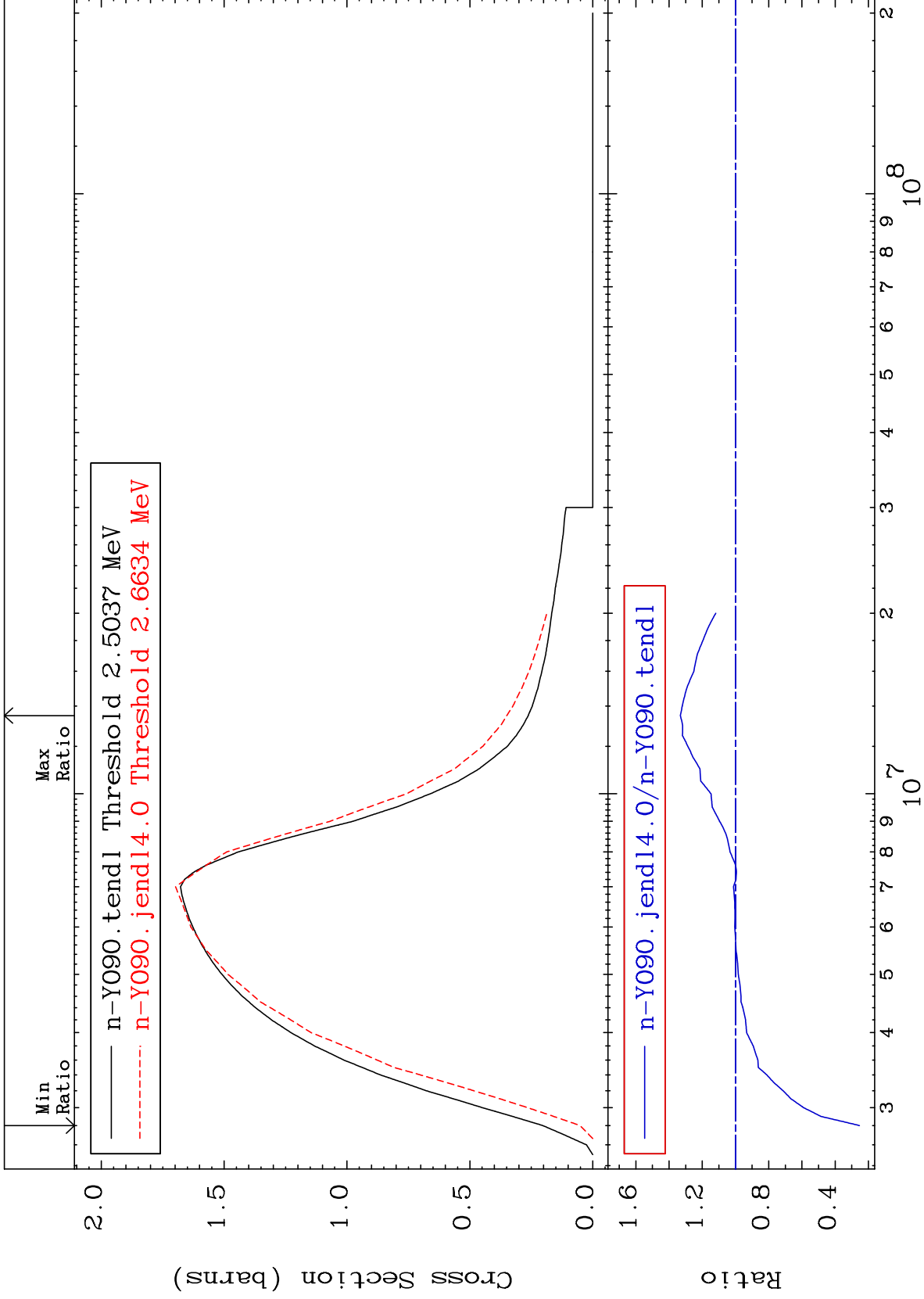


37

Incident Energy (eV)

39-Y -90

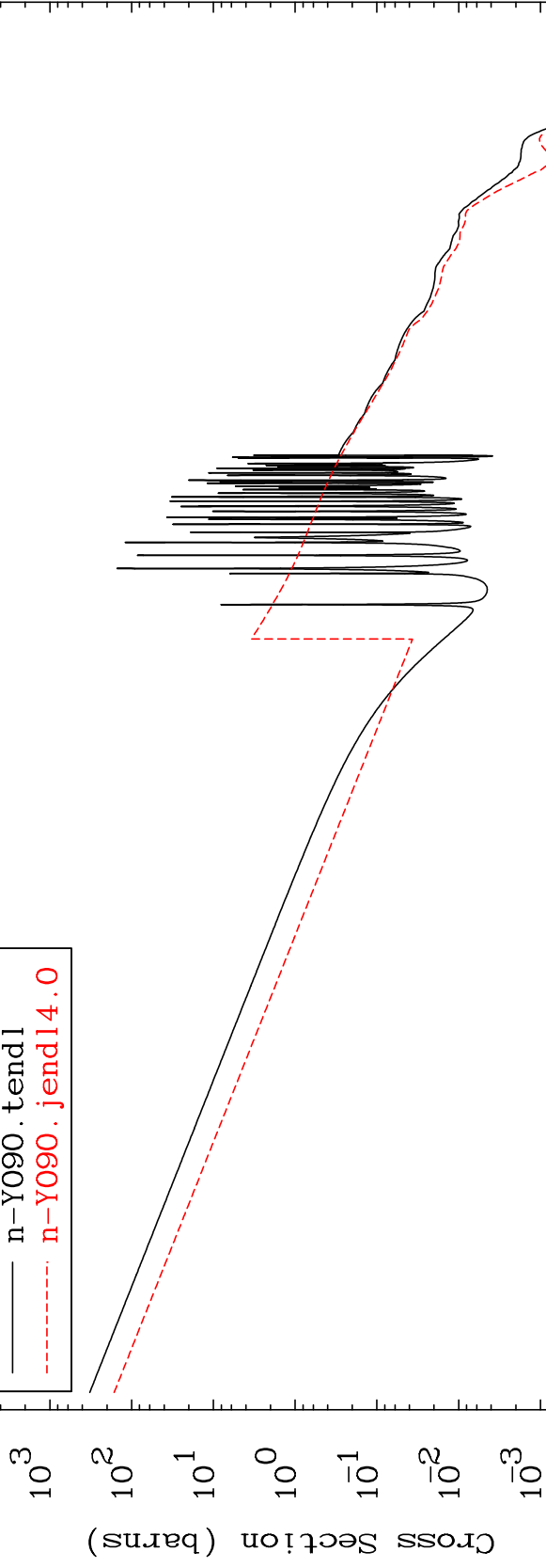




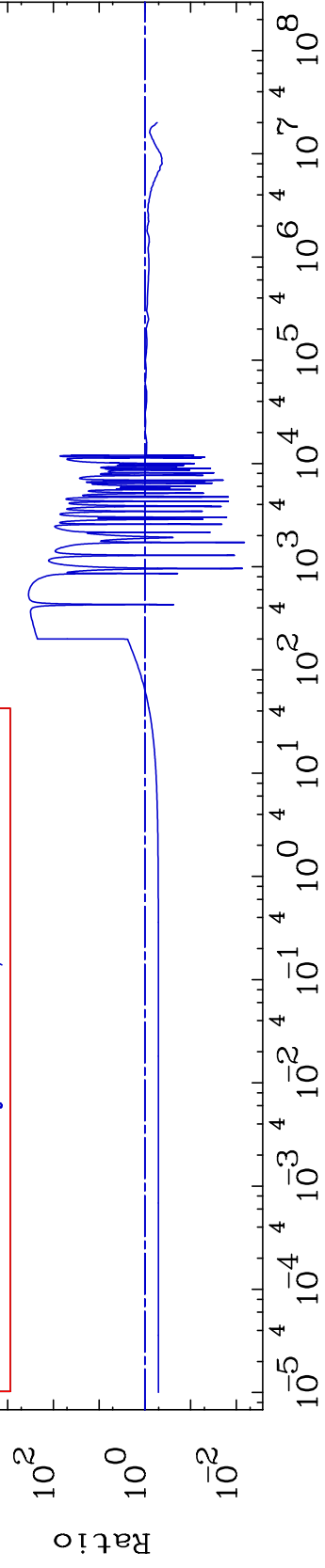
MAT 3928

(n, γ)
Cross Section

39-Y -90
-99.33 To 9999. %



n-Y090.jendl4.0/n-Y090.tendl



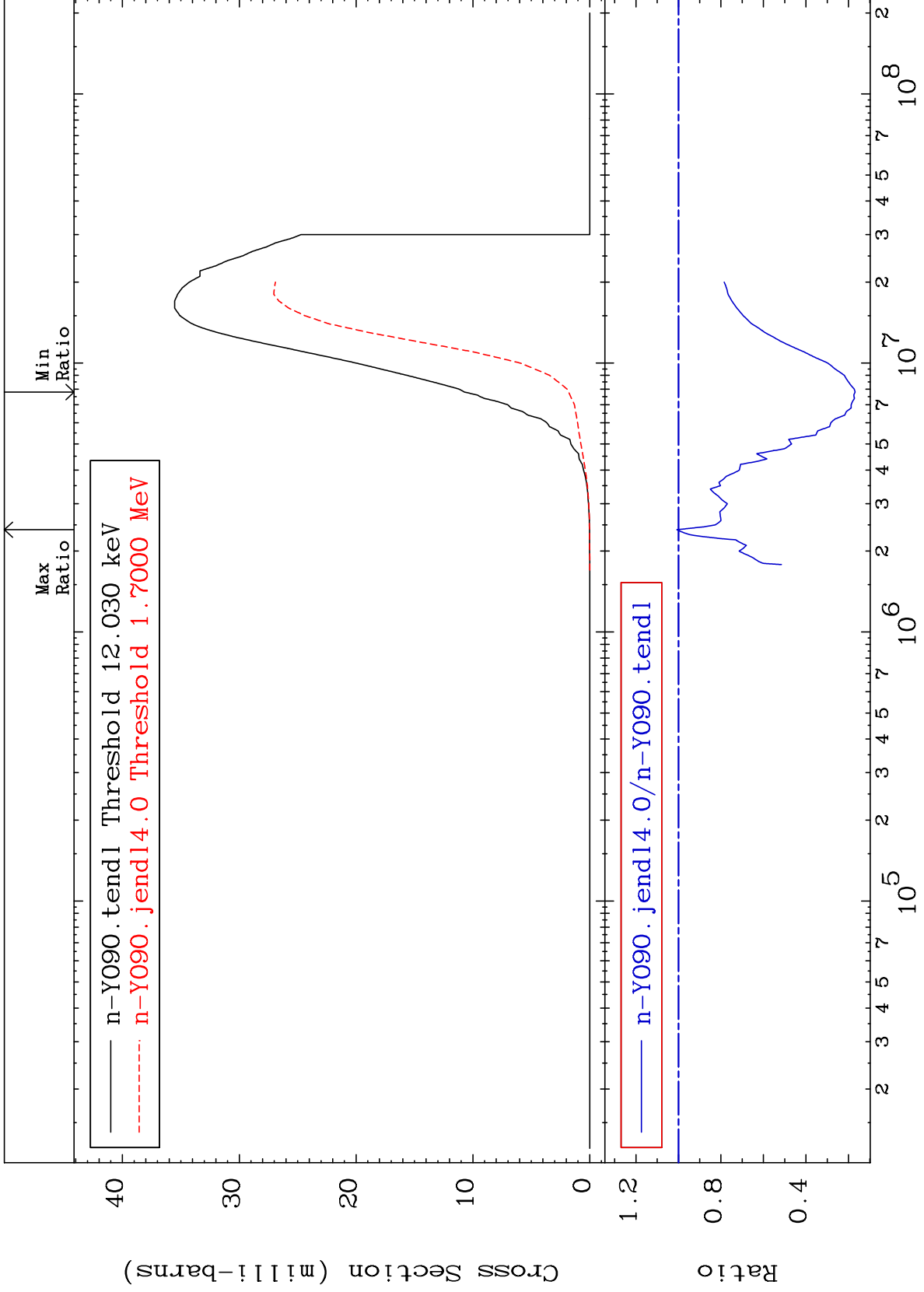
40

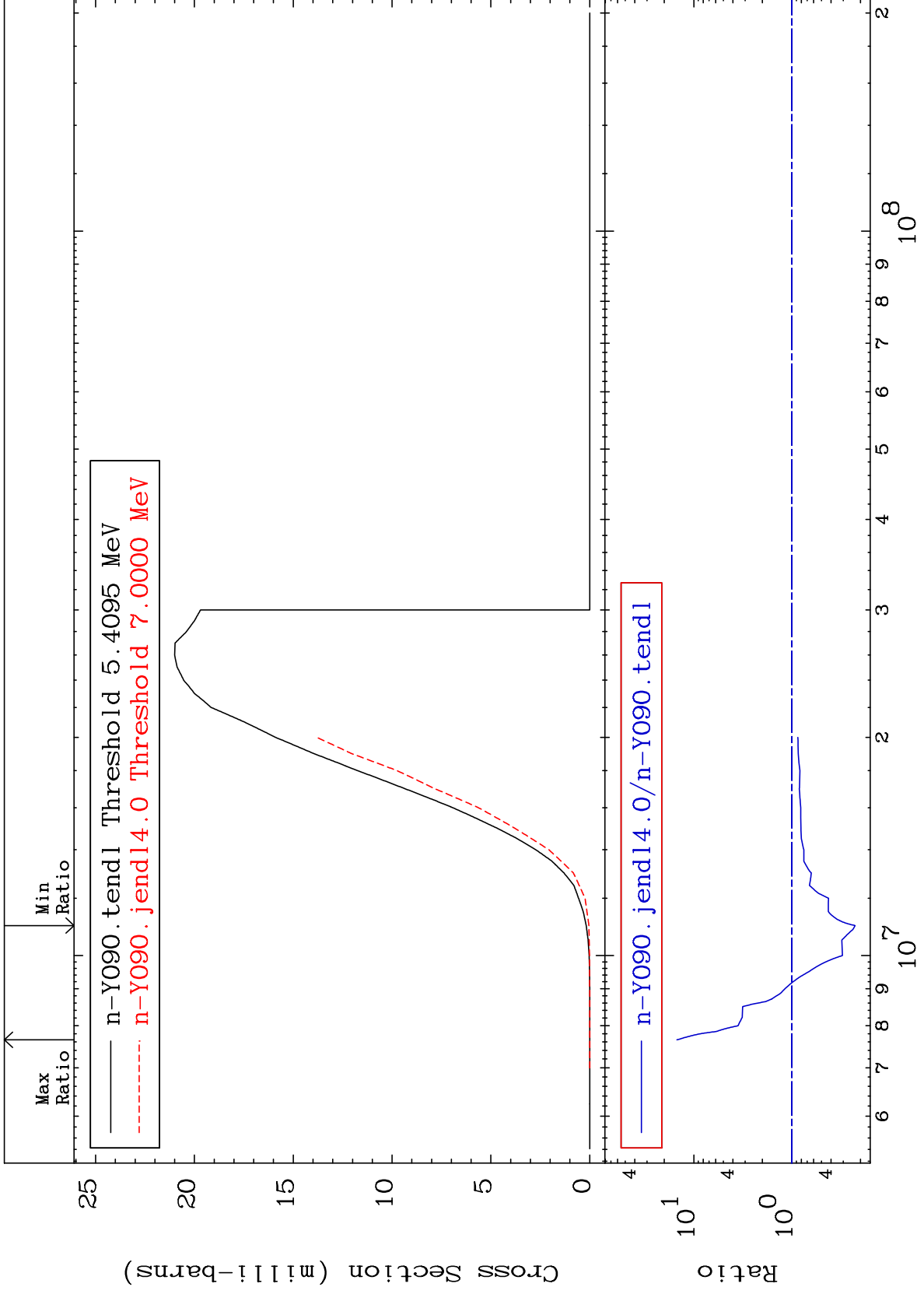
Incident Energy (eV)

39-Y -90

Cross Section

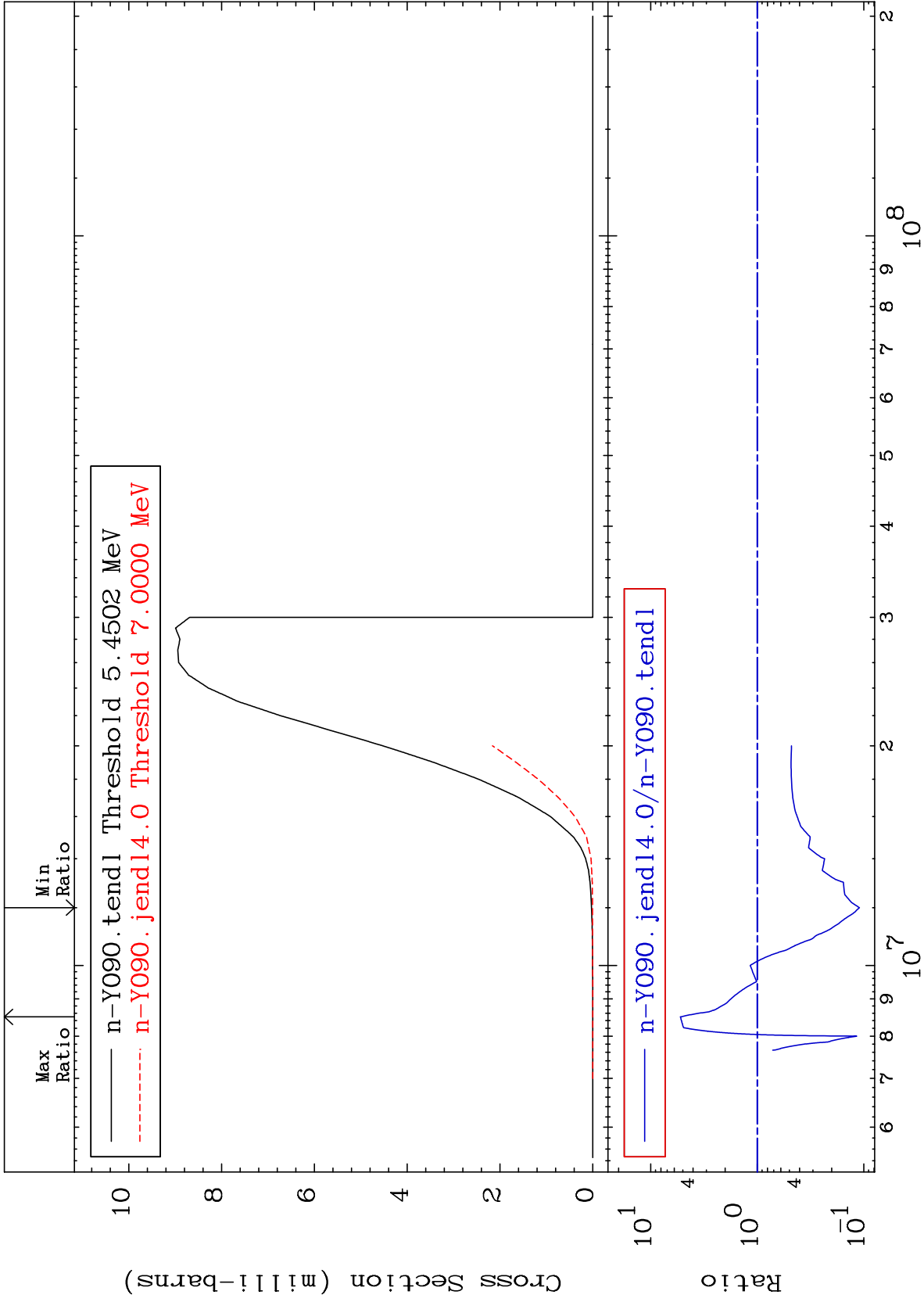
-83.11 To 0.722 %





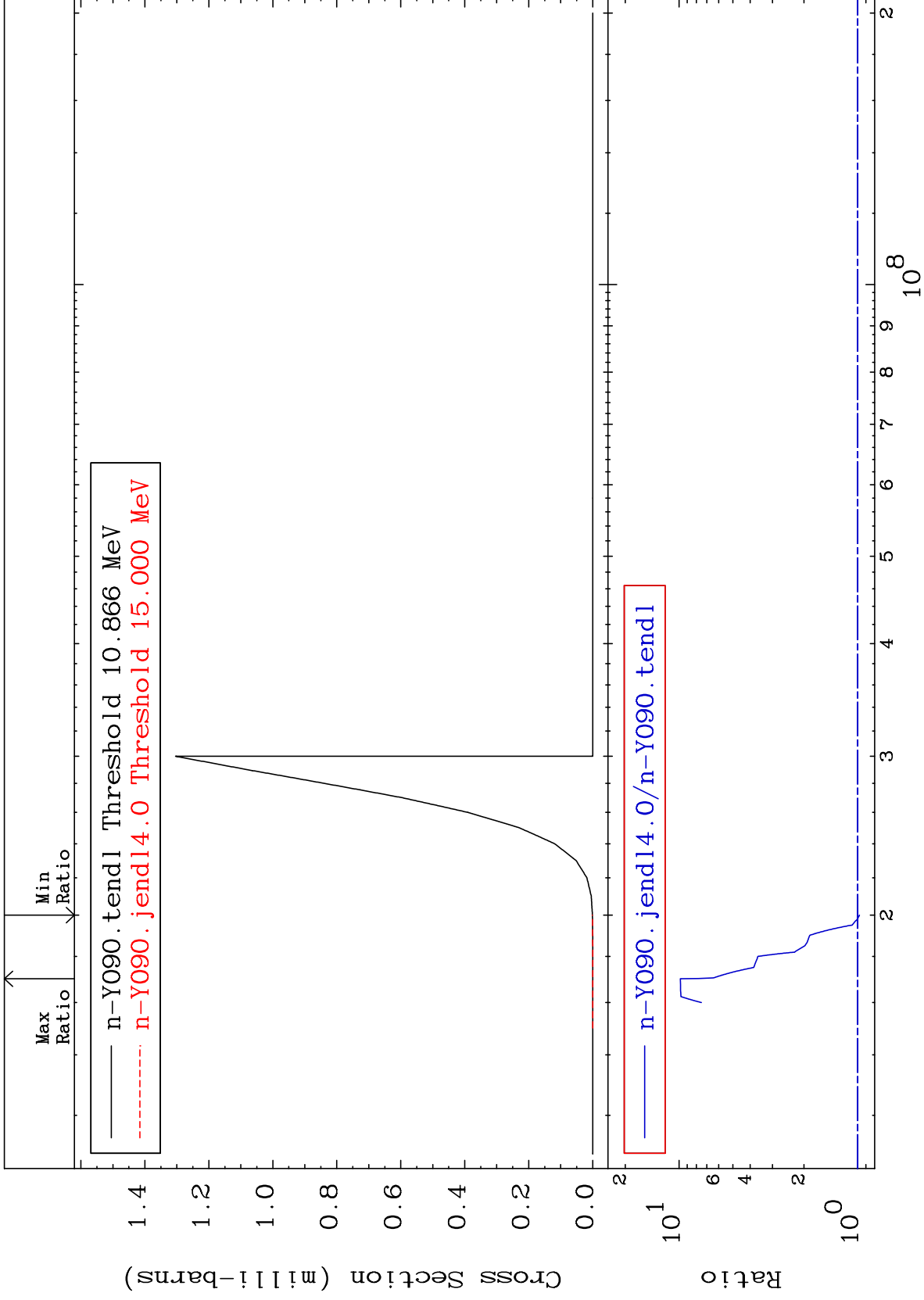
Cross Section

-89.02 To 426.6 %



Cross Section

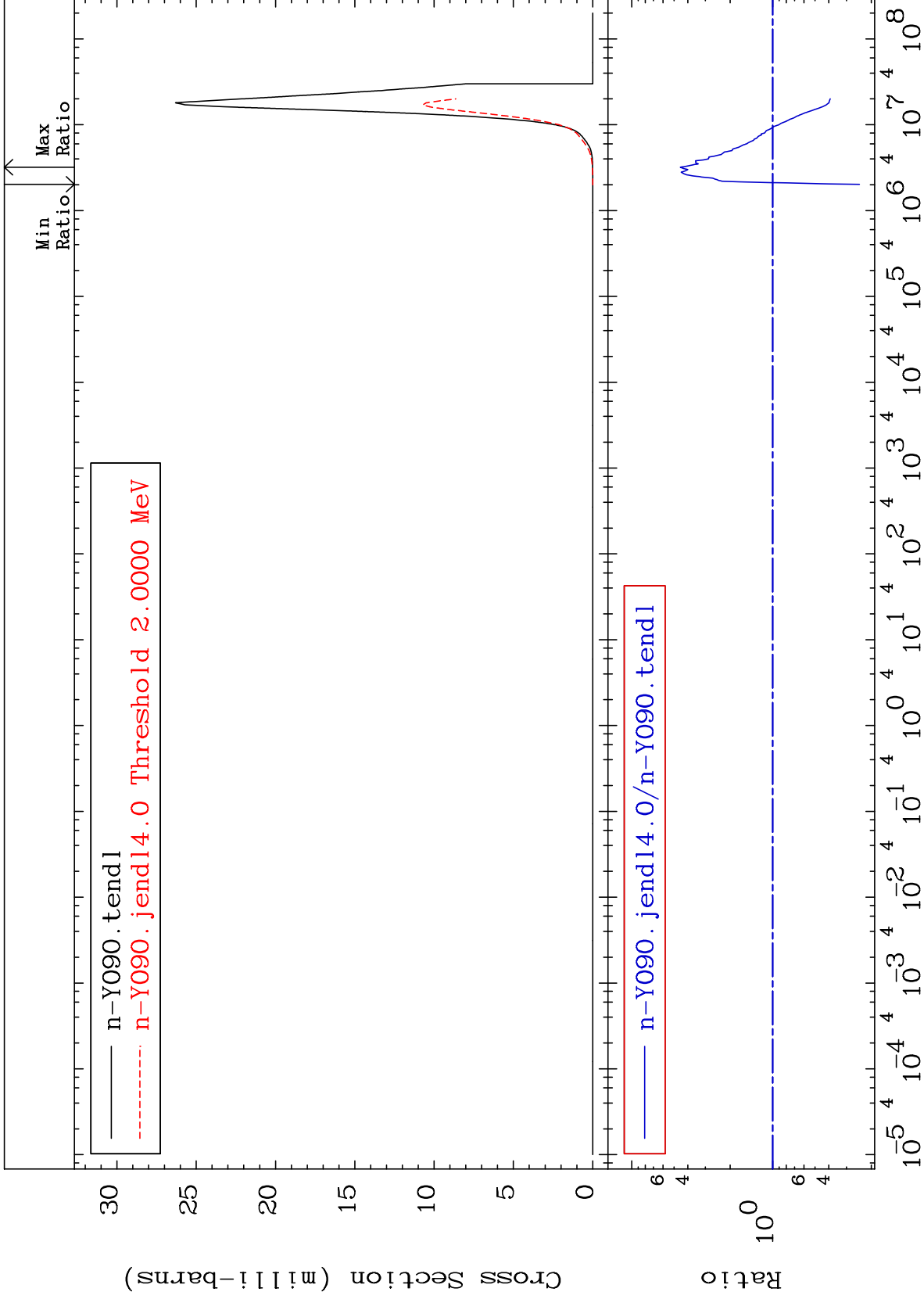
-2.268 To 883.5 %



MAT 3928

(n, α)
Cross Section

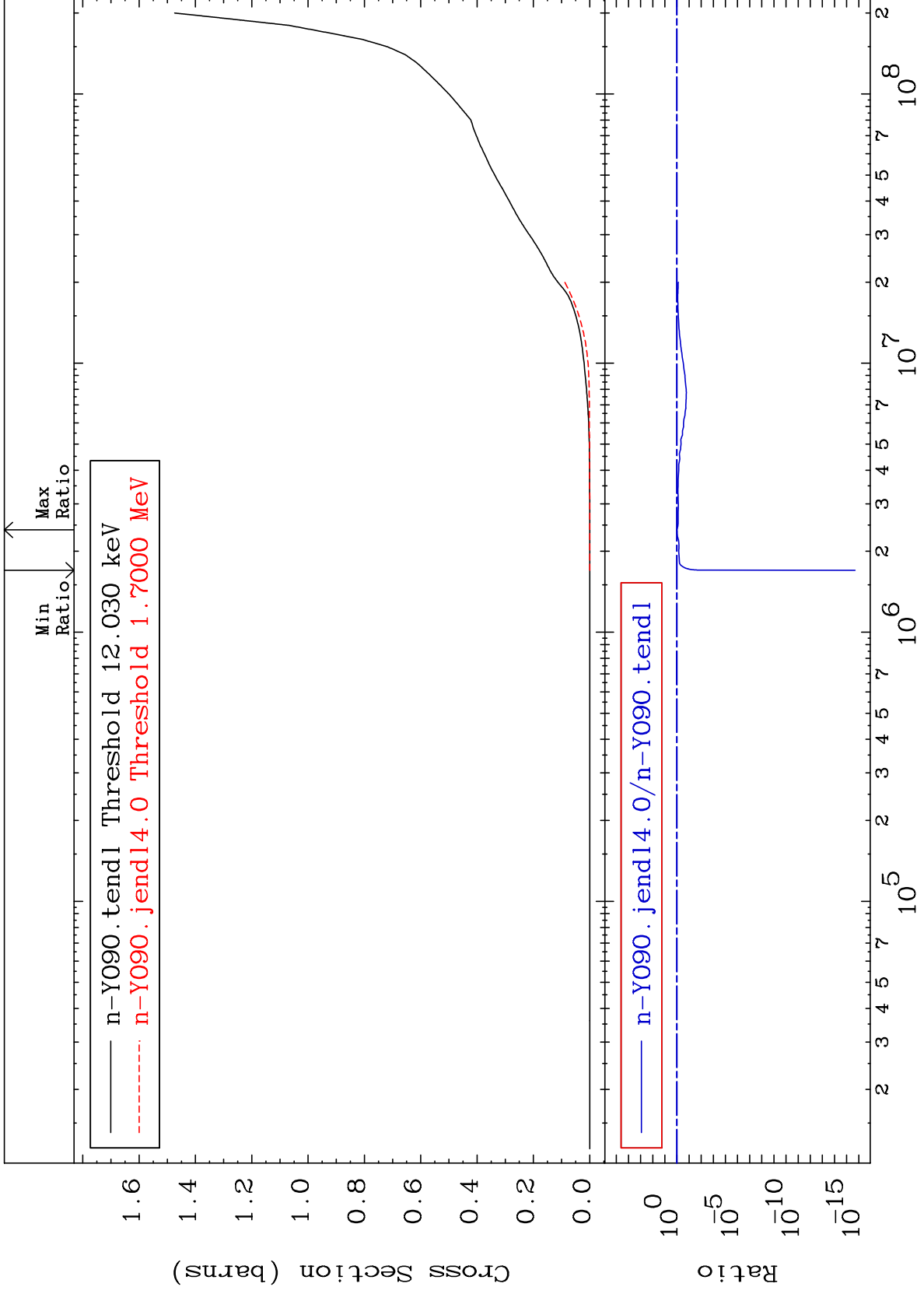
39-Y -90
-75.75 To 351.3 %

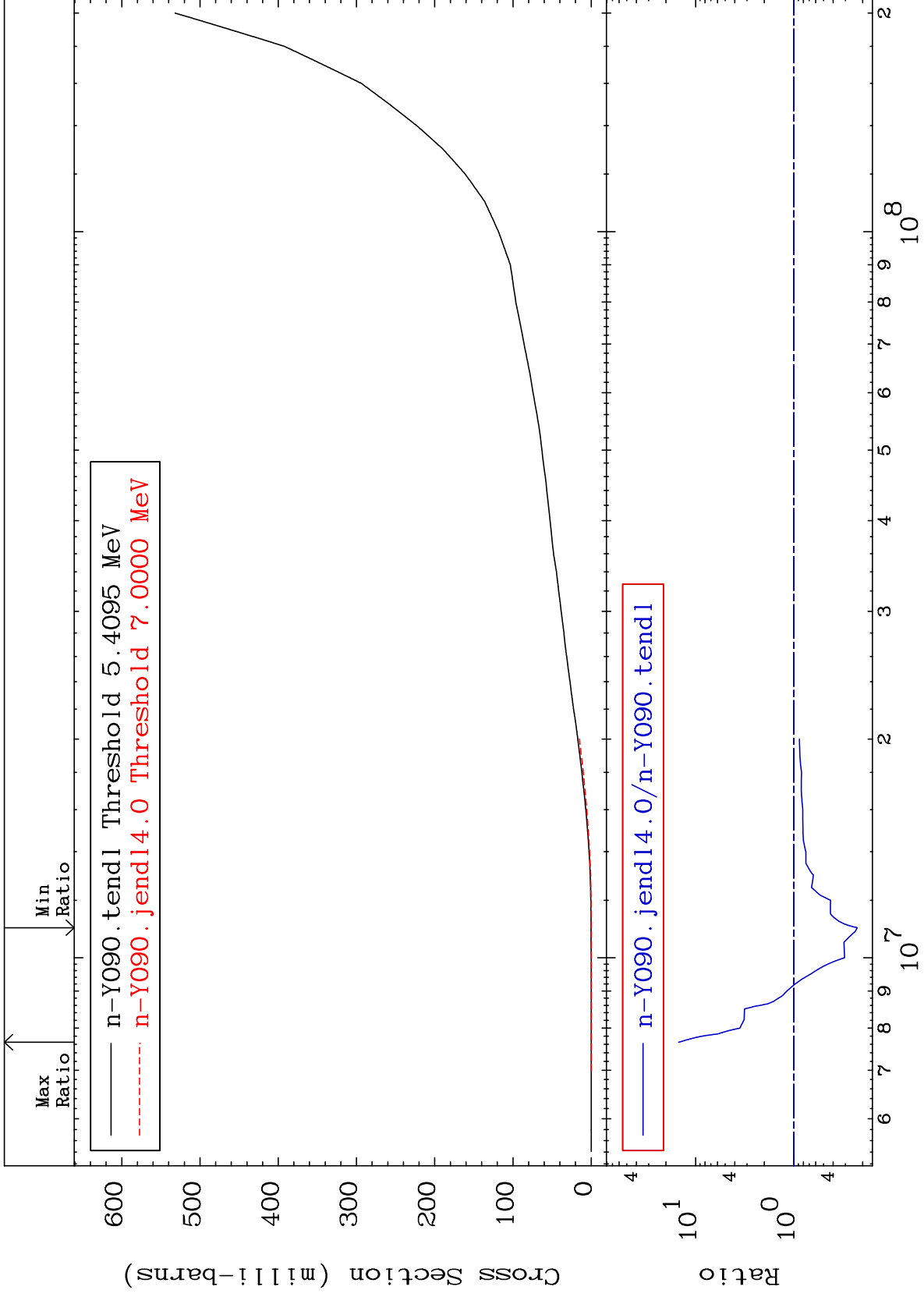


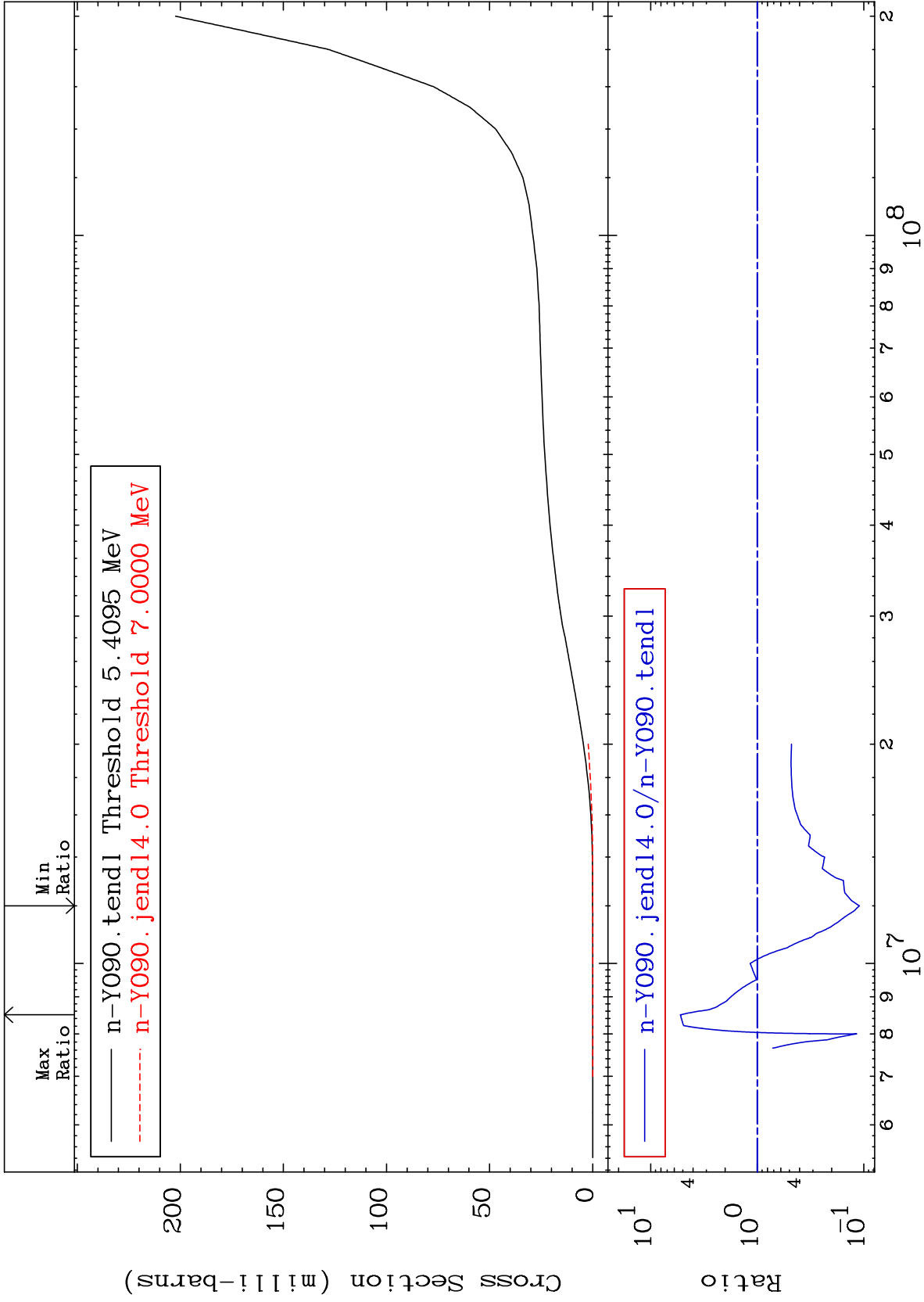
45

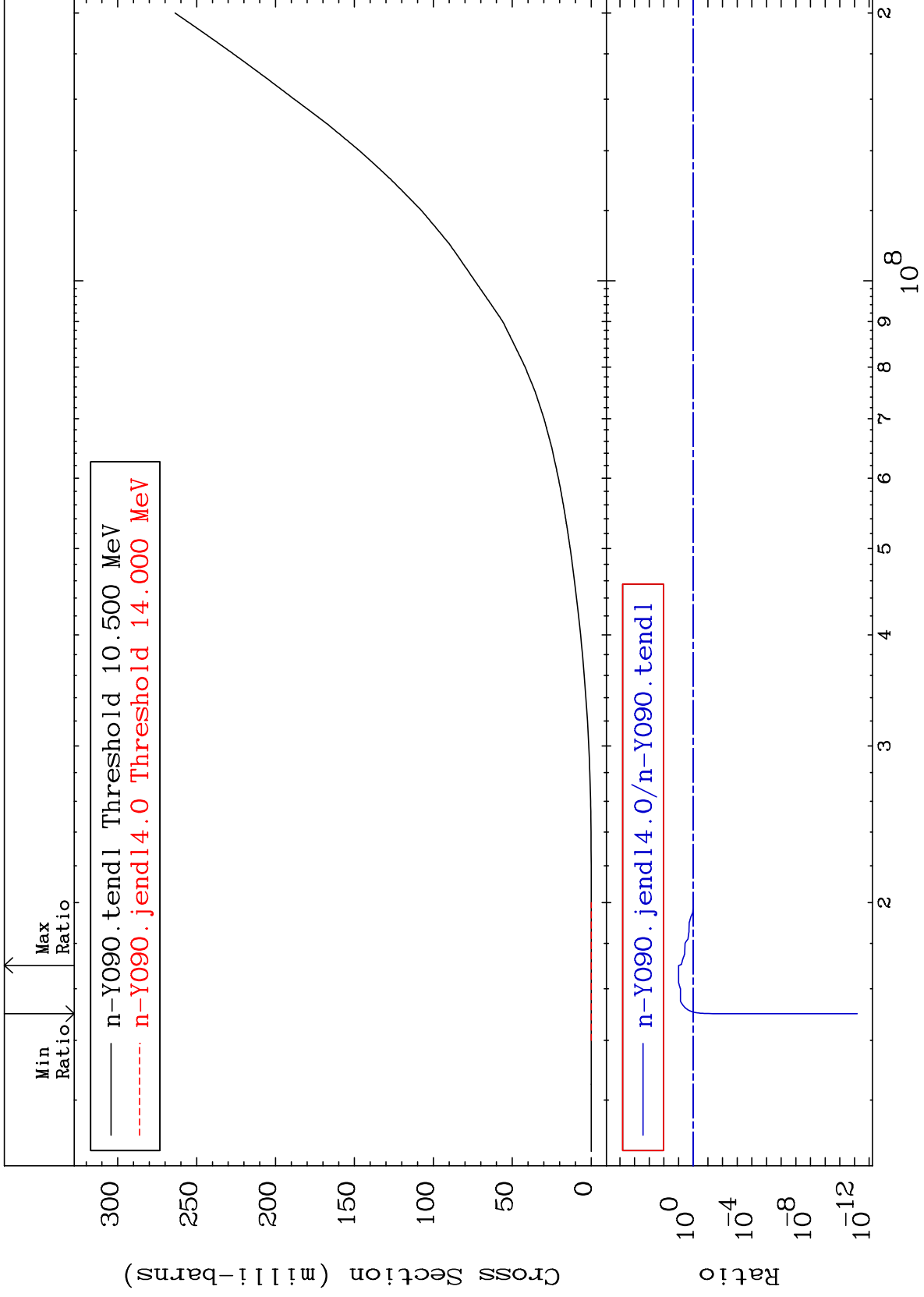
Incident Energy (eV)

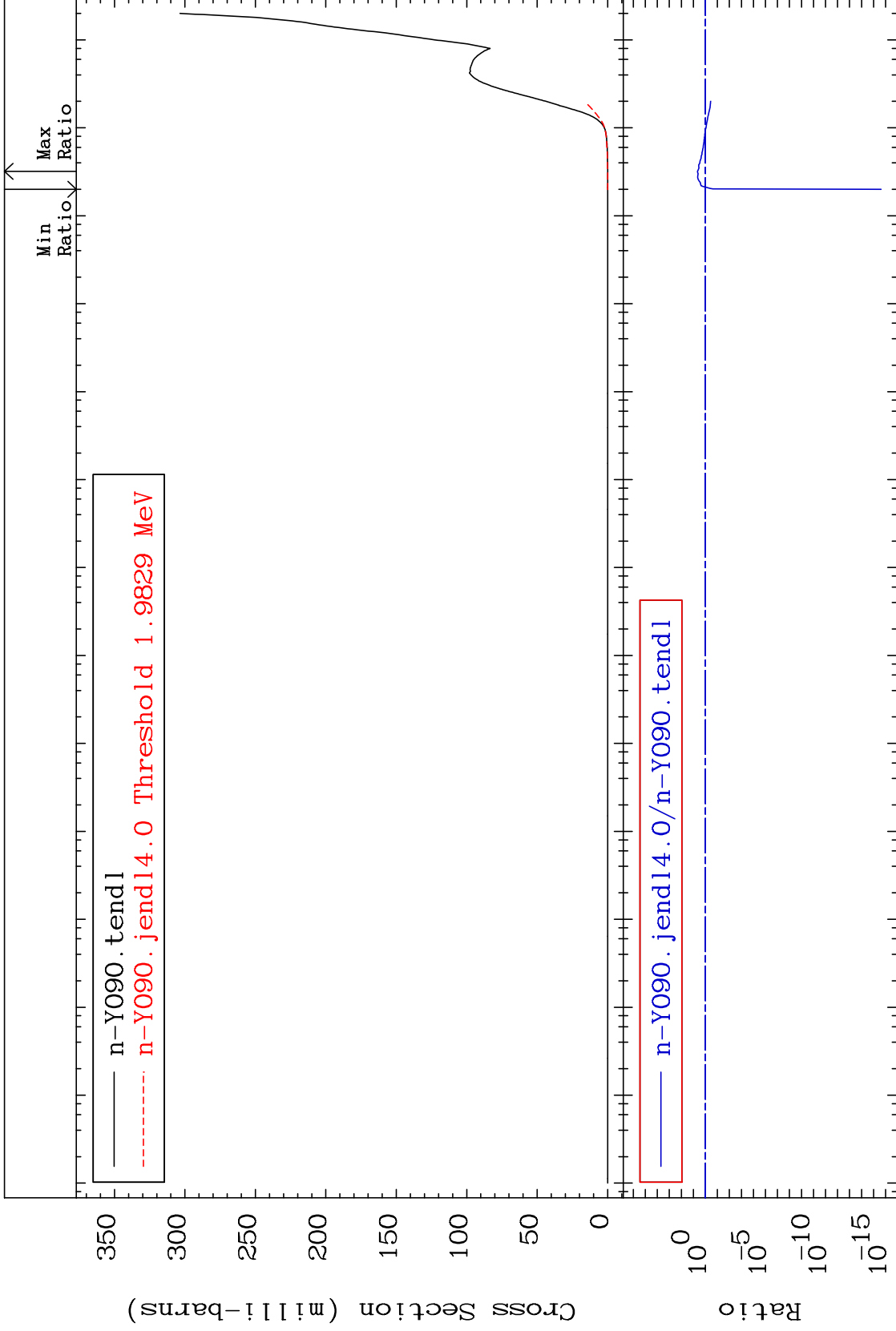
39-Y -90

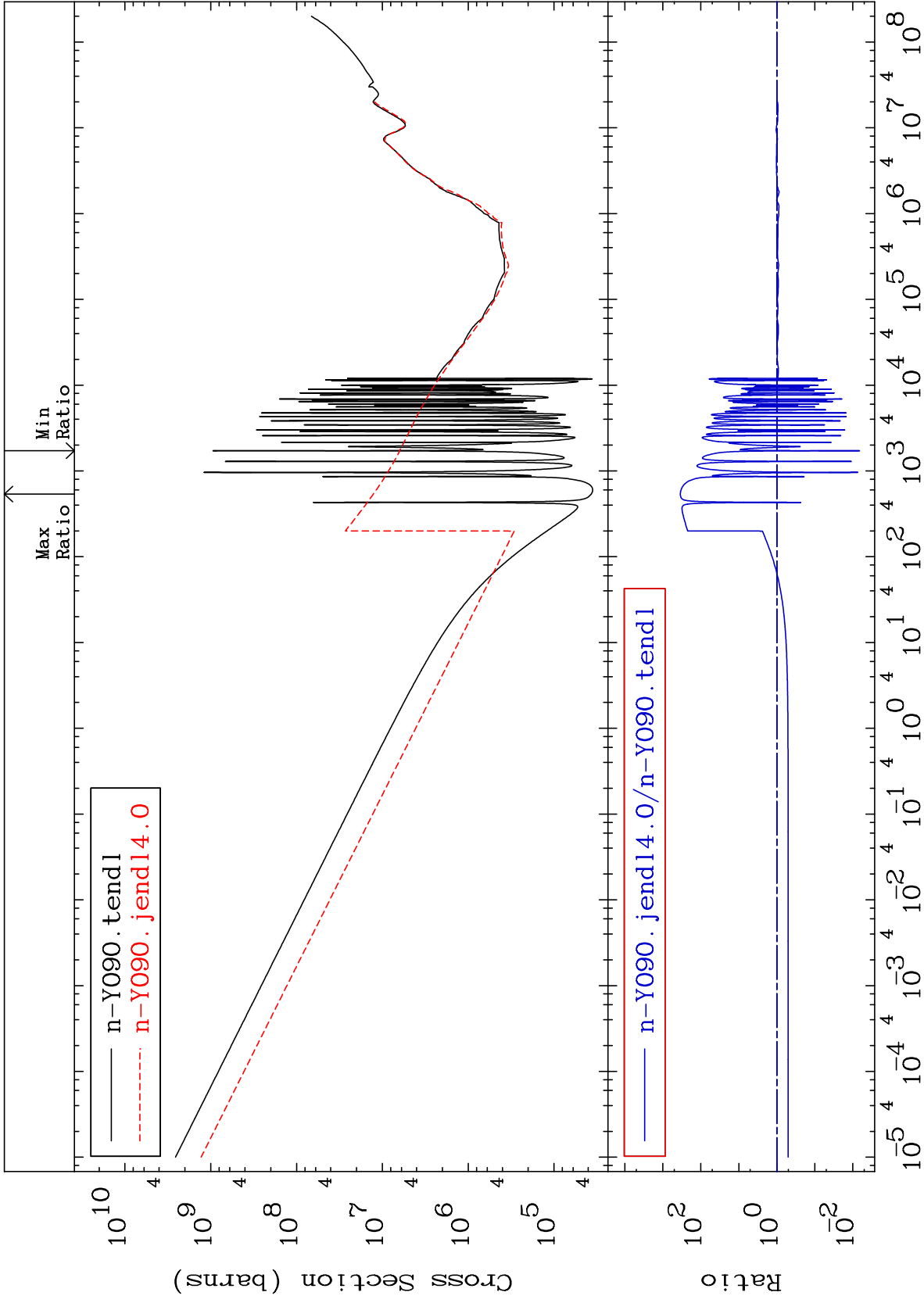


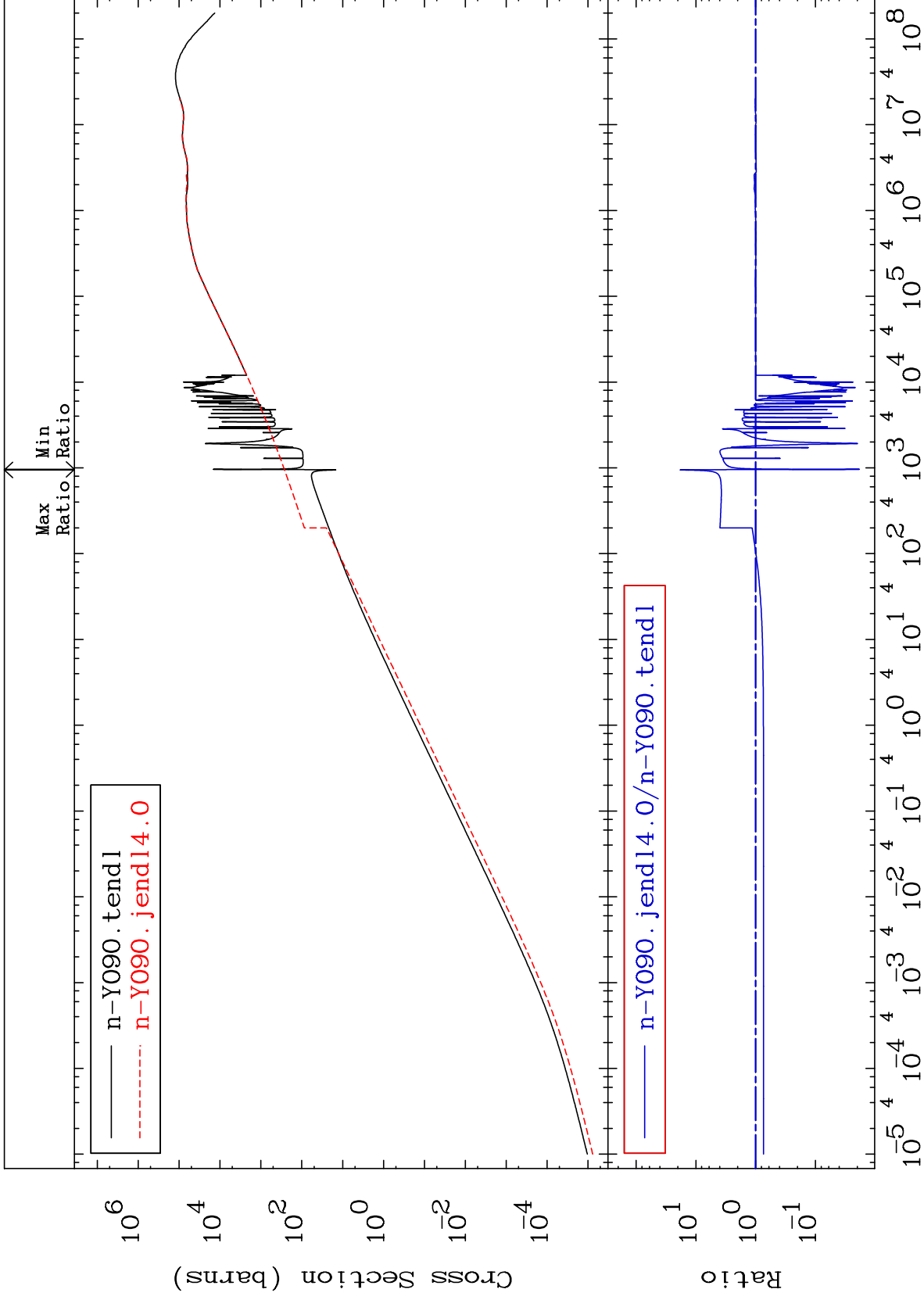


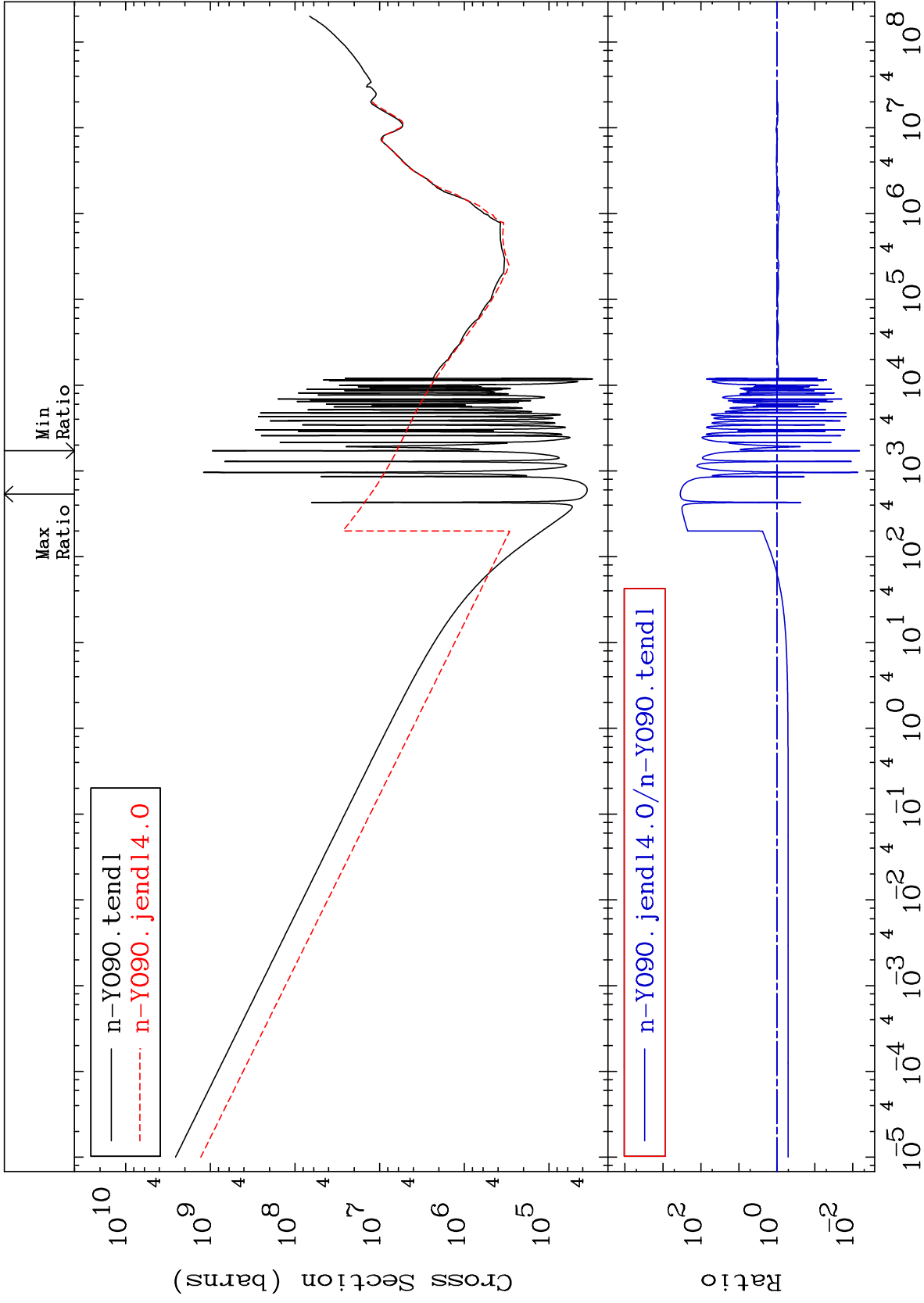


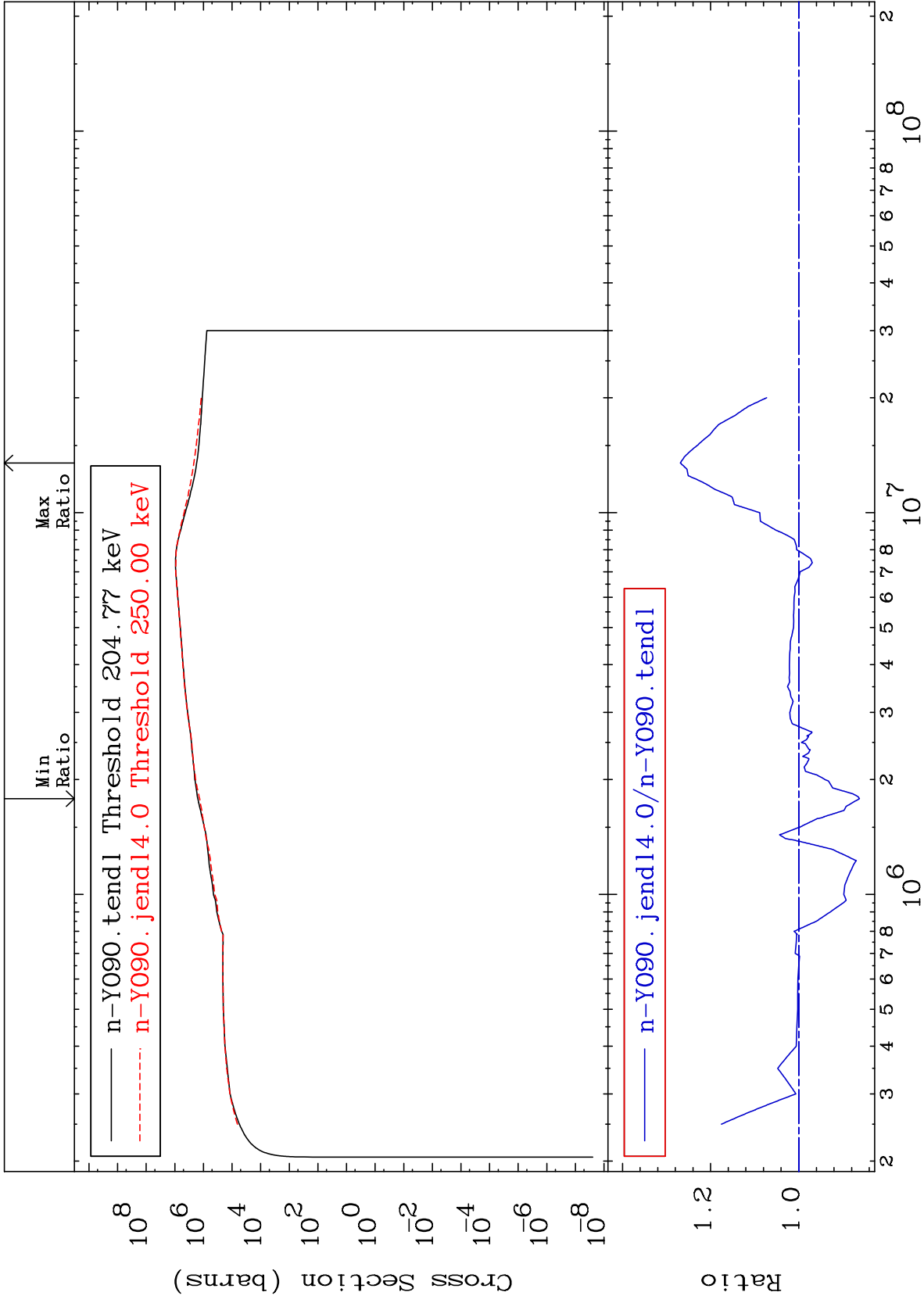












MAT 3928

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

39-Y -90
-13.77 To 26.87 %

