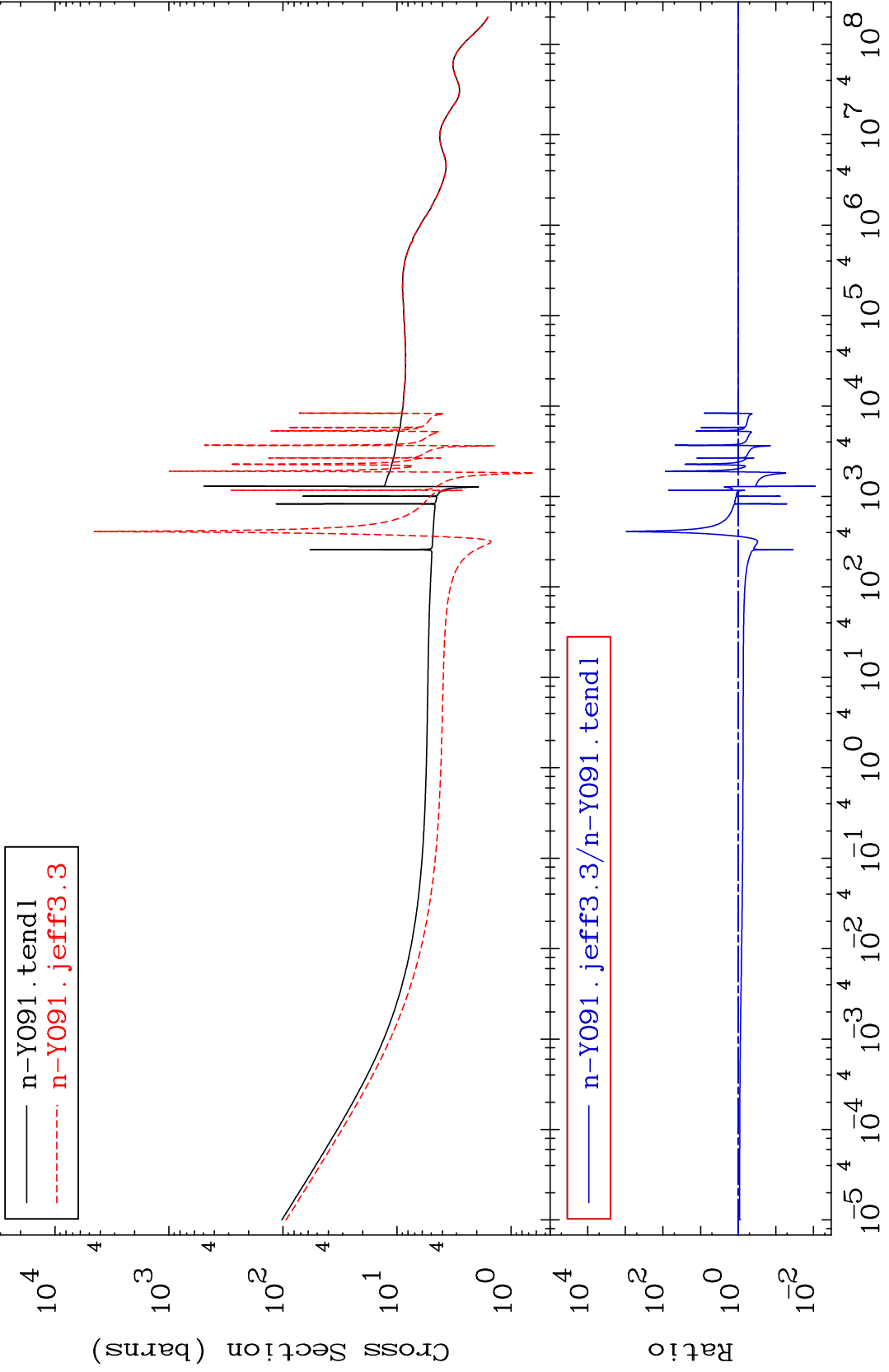


MAT 3931

Total Cross Section
39-Y -91
-99.10 To 9999. %



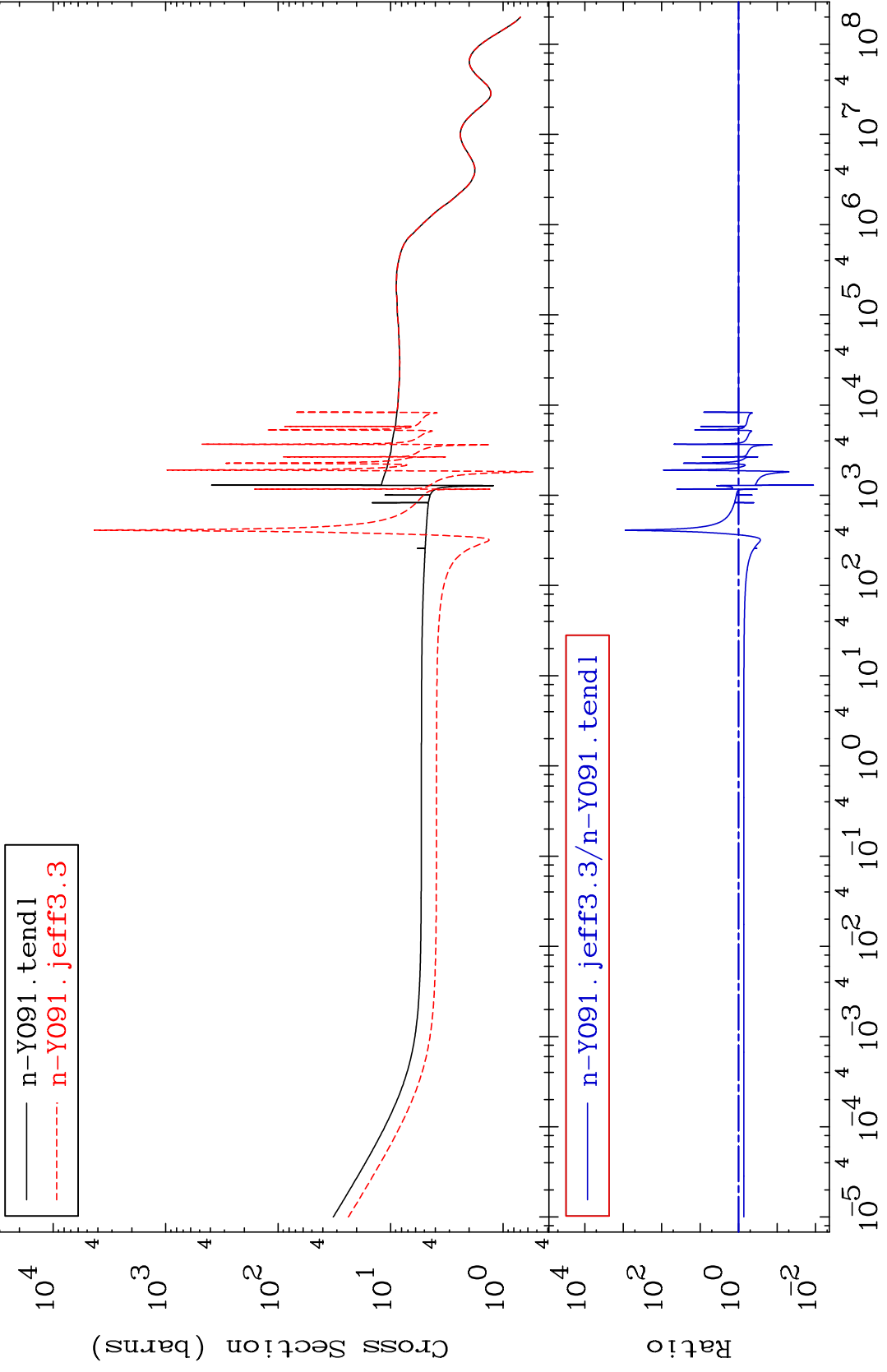
39-Y -91

Incident Energy (eV)

MAT 3931

Elastic
Cross Section

39-Y -91
-98.86 To 9999. %



Incident Energy (eV)

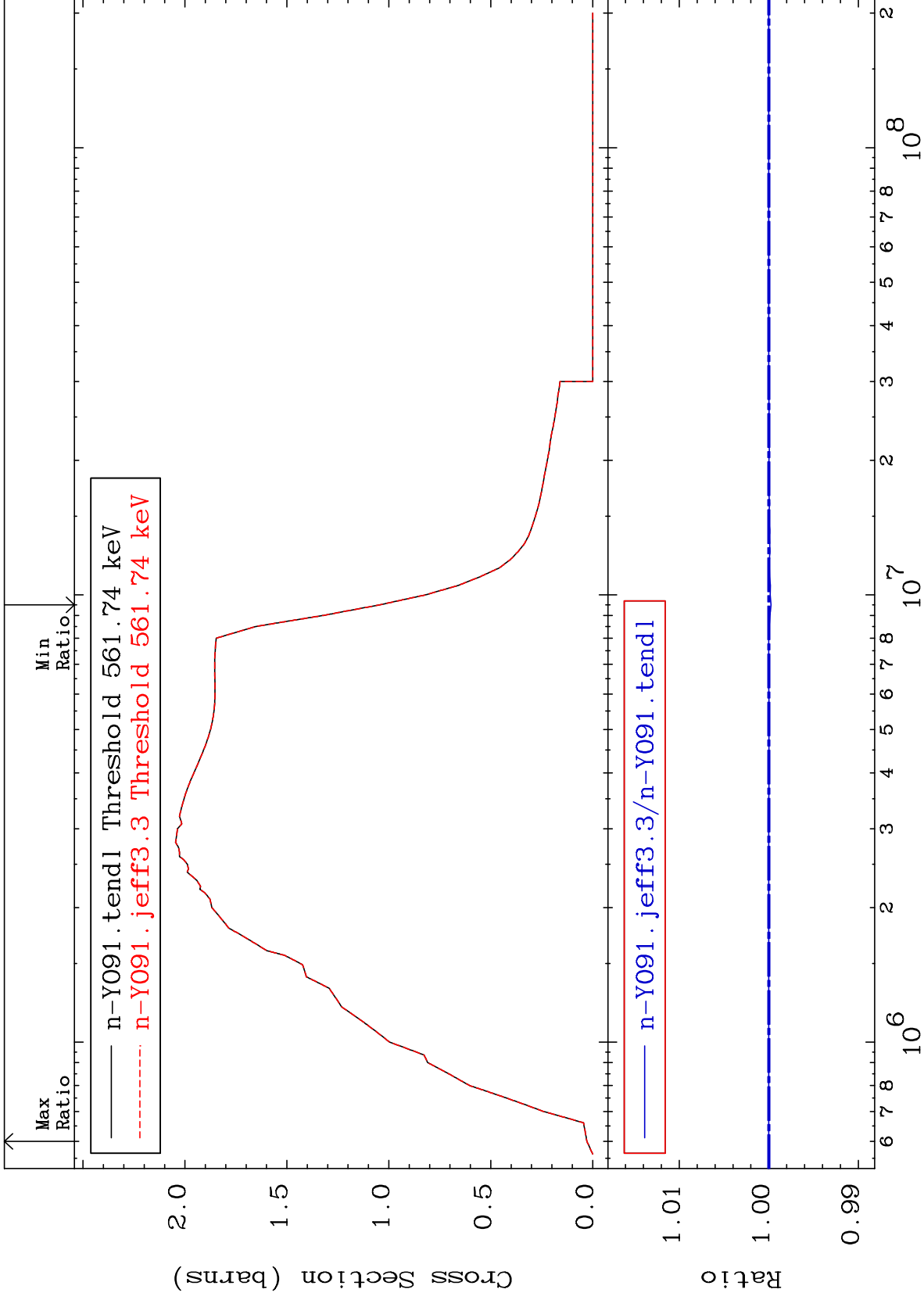
39-Y -91

2

MAT 3931

Inelastic
Cross Section

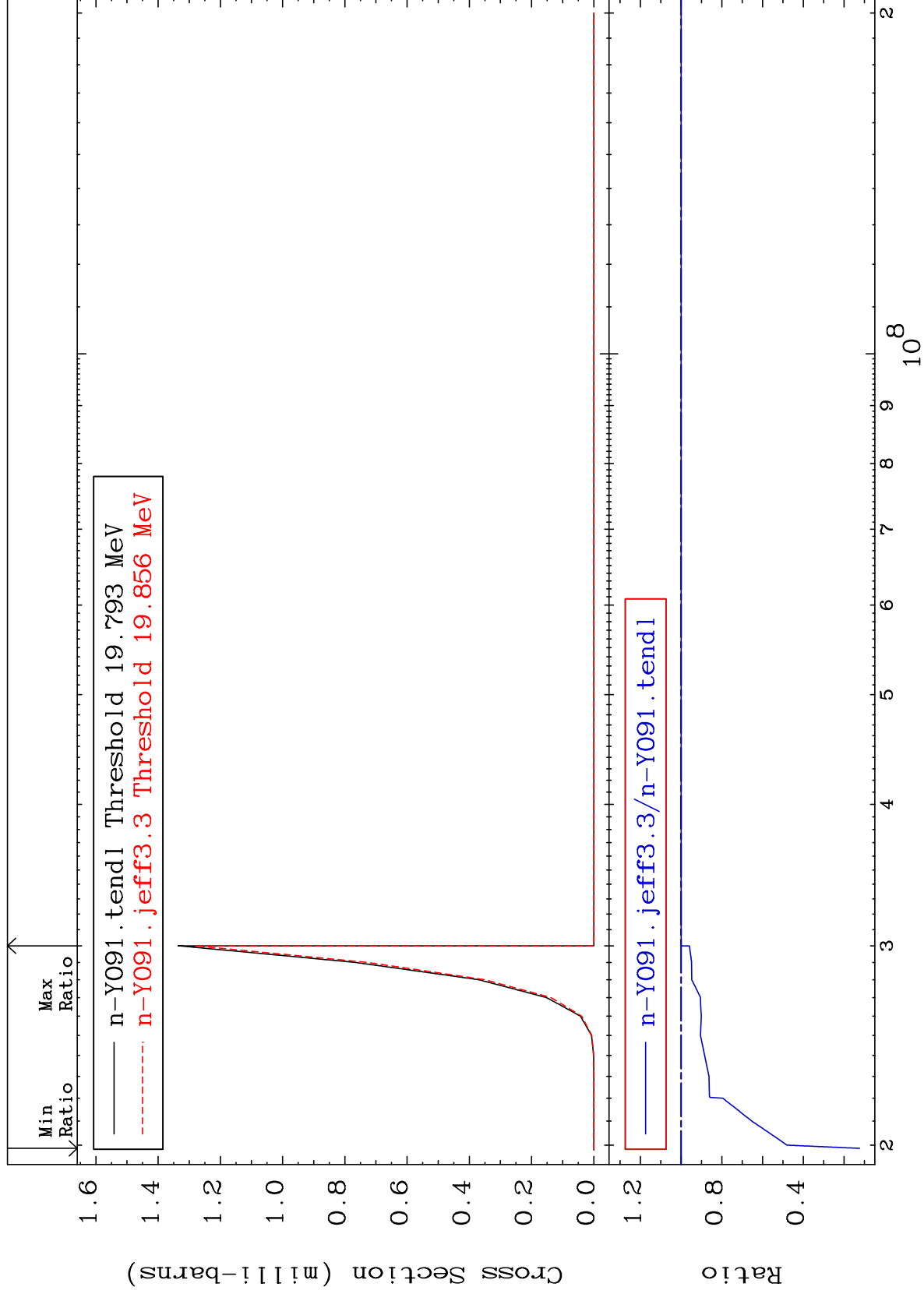
39-Y -91
-0.025 To 0.000 %



3

Incident Energy (eV)

39-Y -91



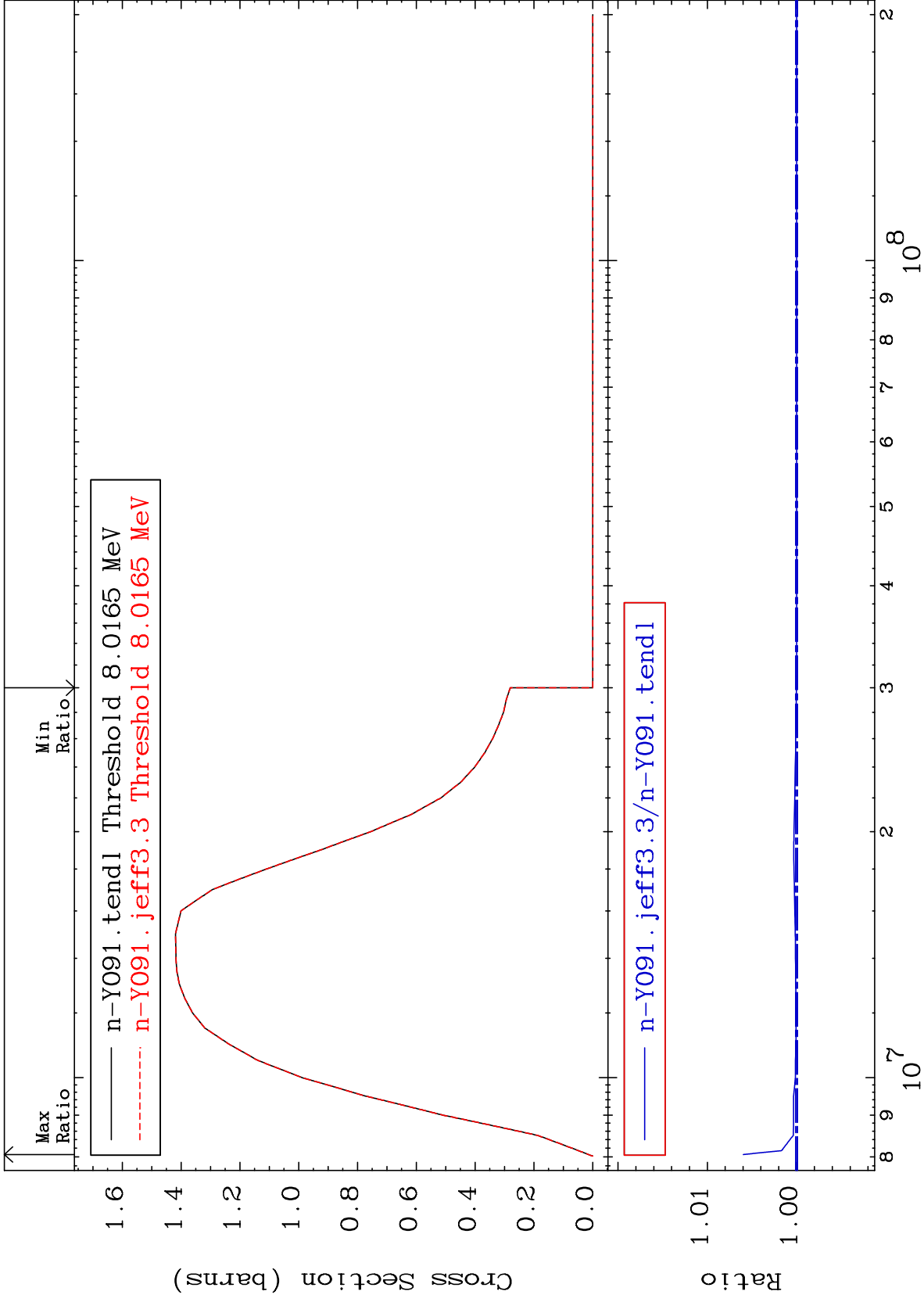
MAT 3931

(n,2n)

39-Y -91

Cross Section

0.000 To 0.598 %



5

Incident Energy (eV)

39-Y -91

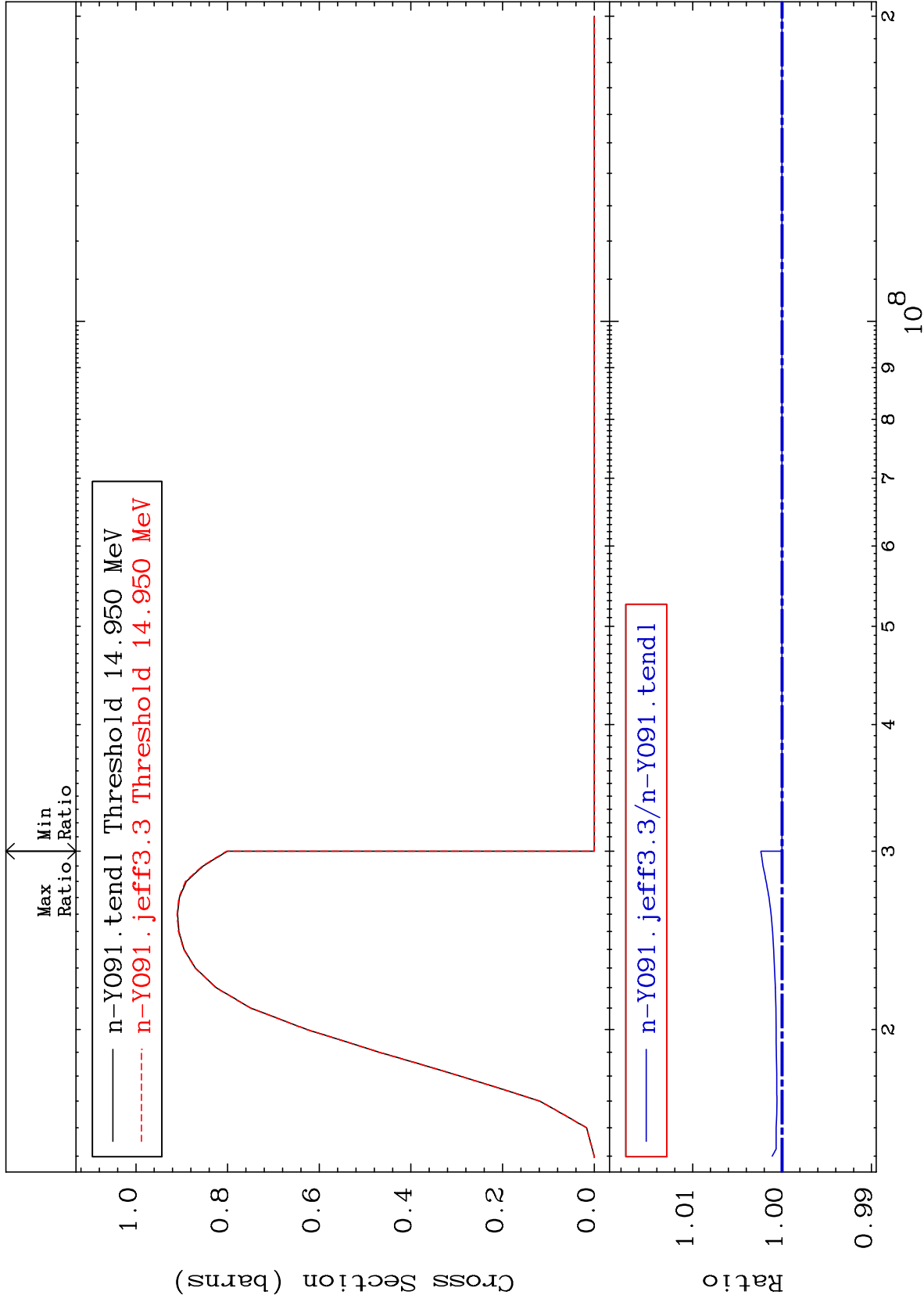
MAT 3931

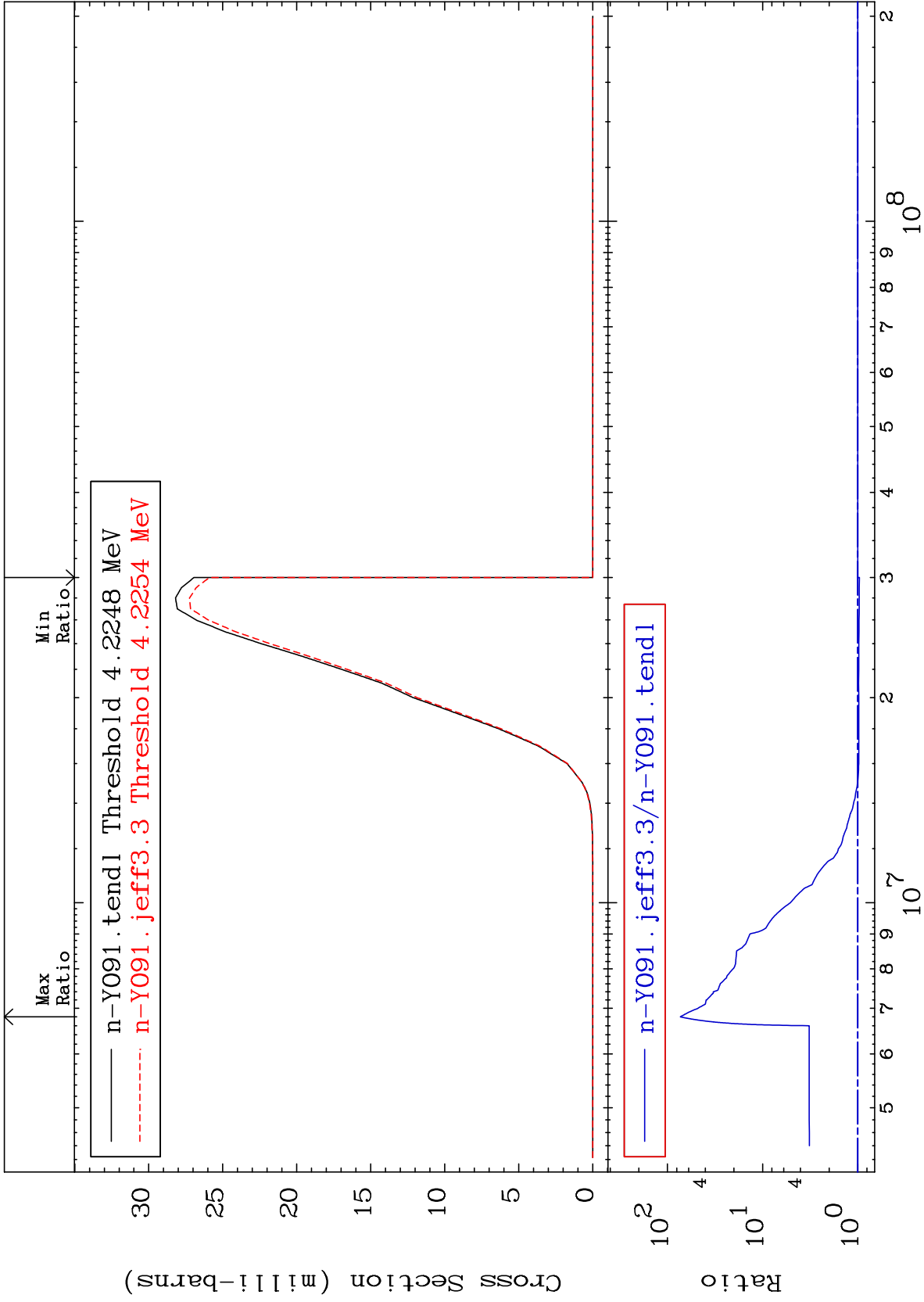
(n,3n)

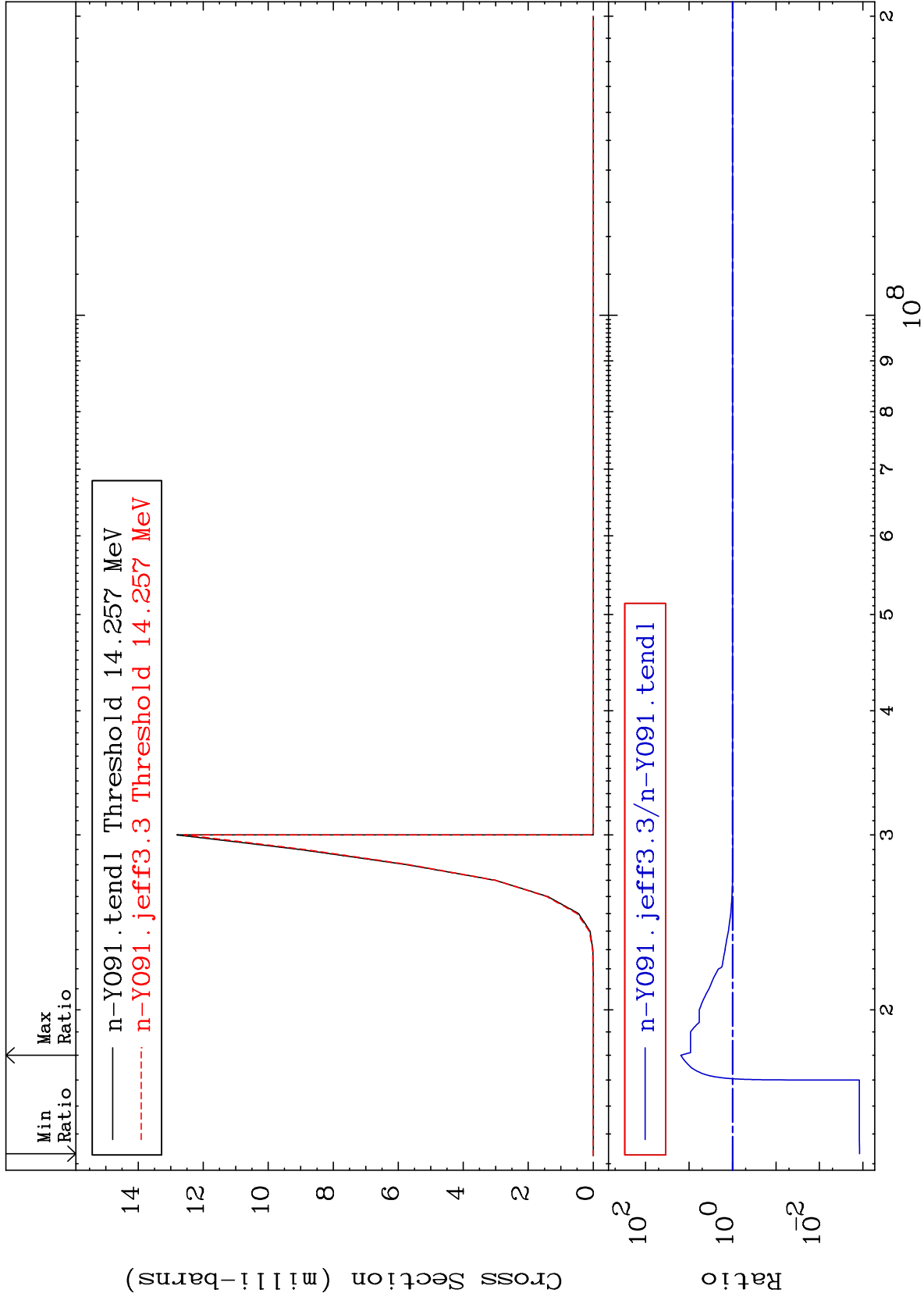
39-Y -91

Cross Section

0.000 To 0.237 %



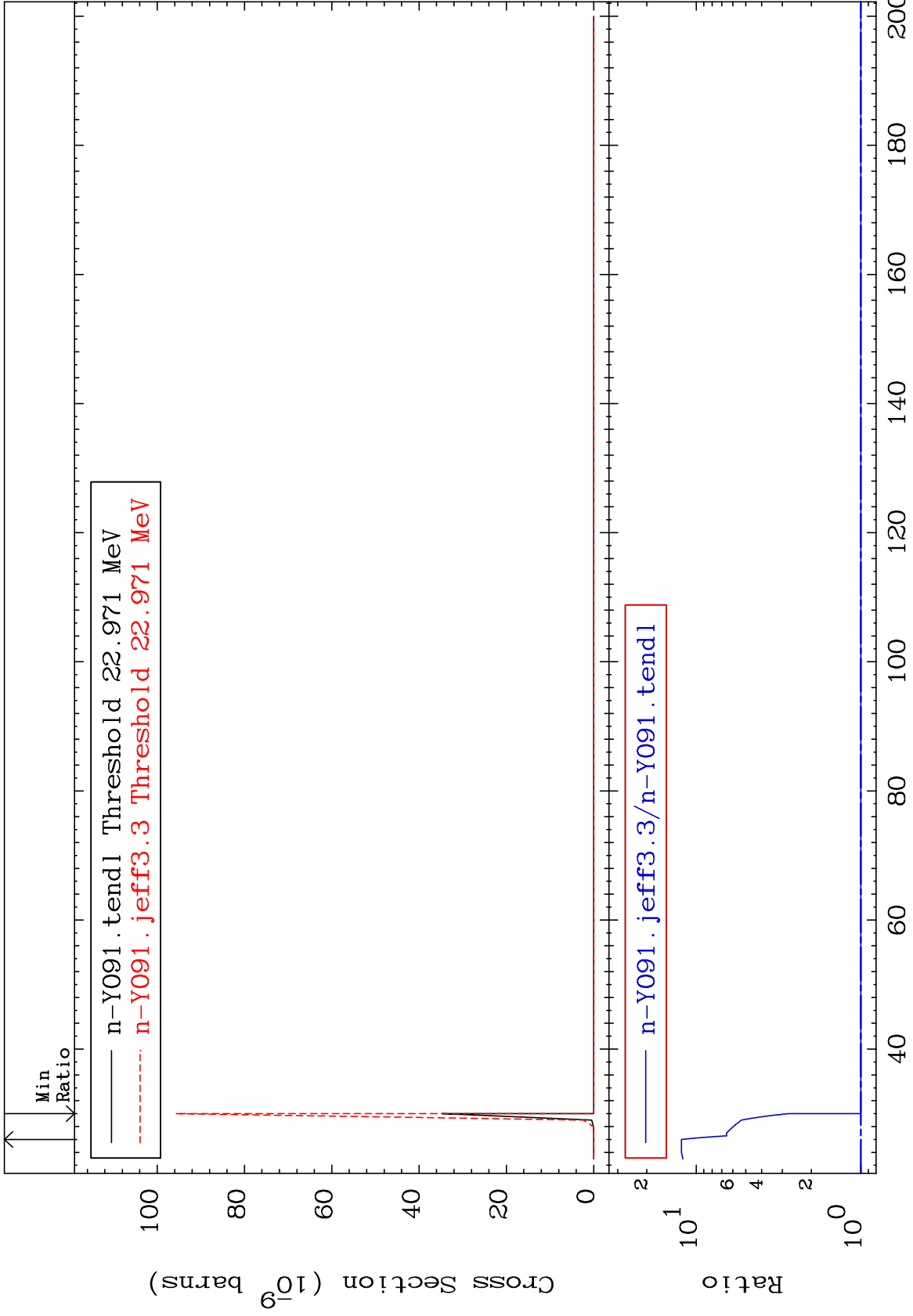




MAT 3931

(n,3n) α
Cross Section

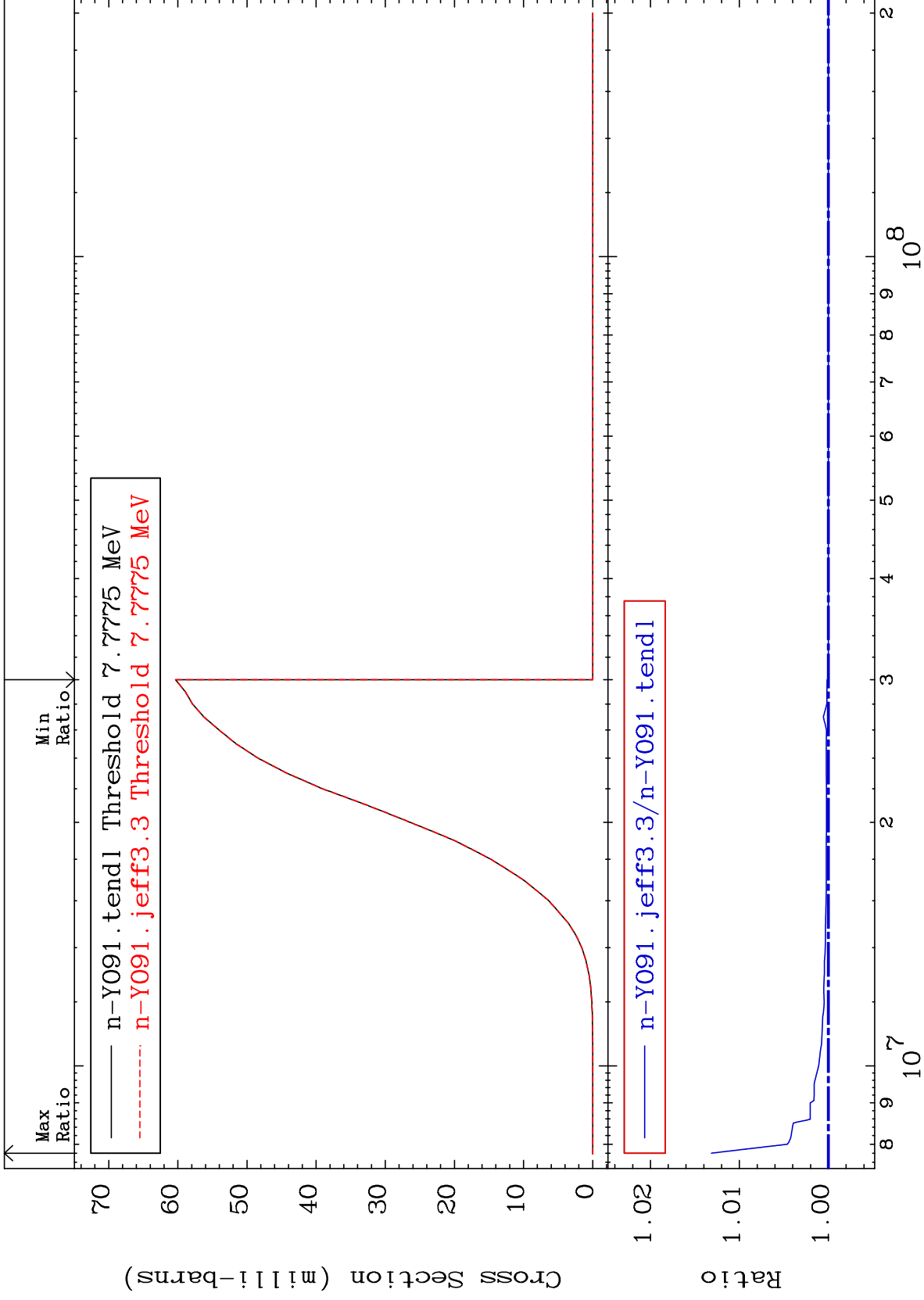
39-Y -91
0.000 To 1129. %



MAT 3931

(n,n') p
Cross Section

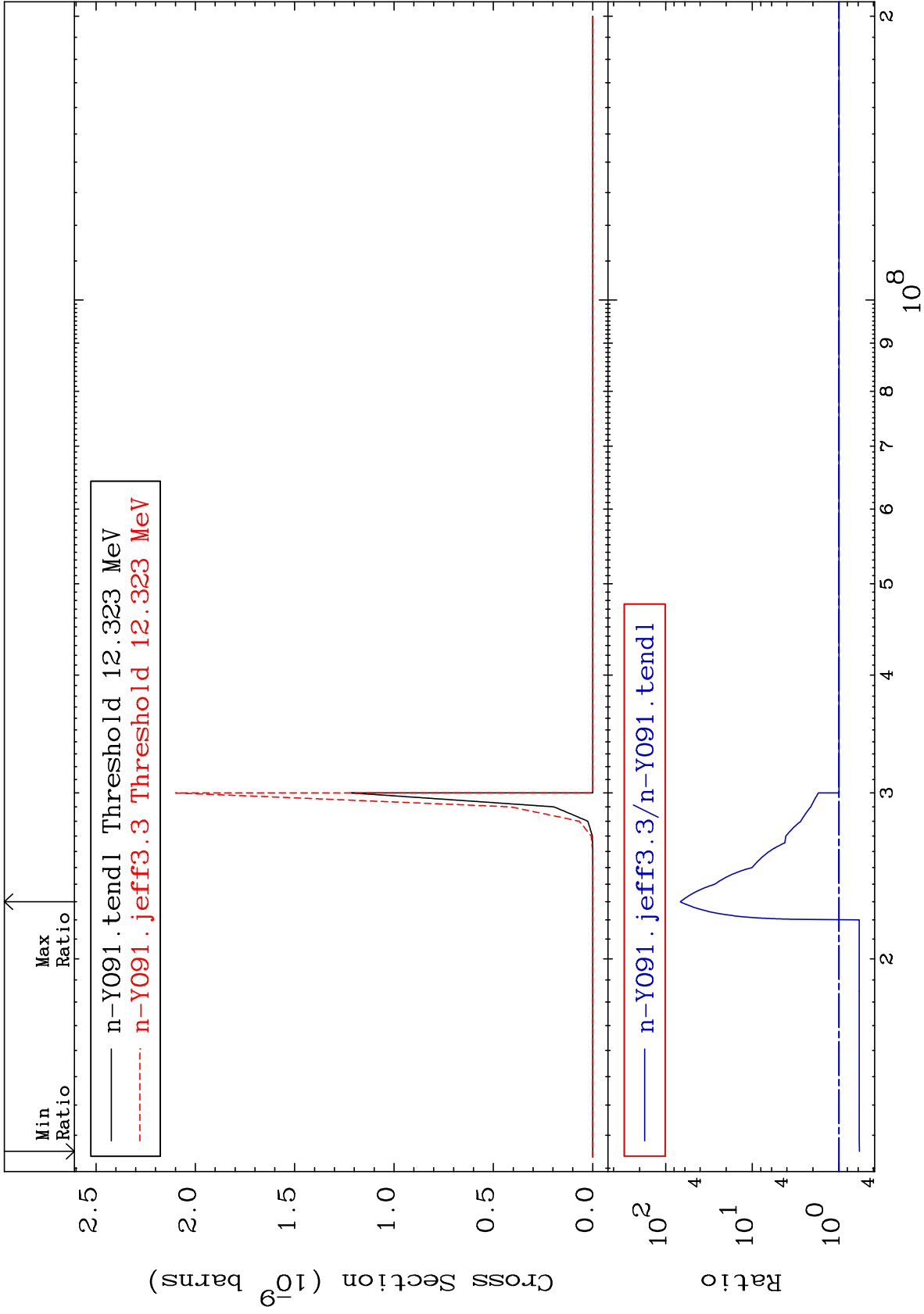
39-Y -91
0.000 To 1.315 %

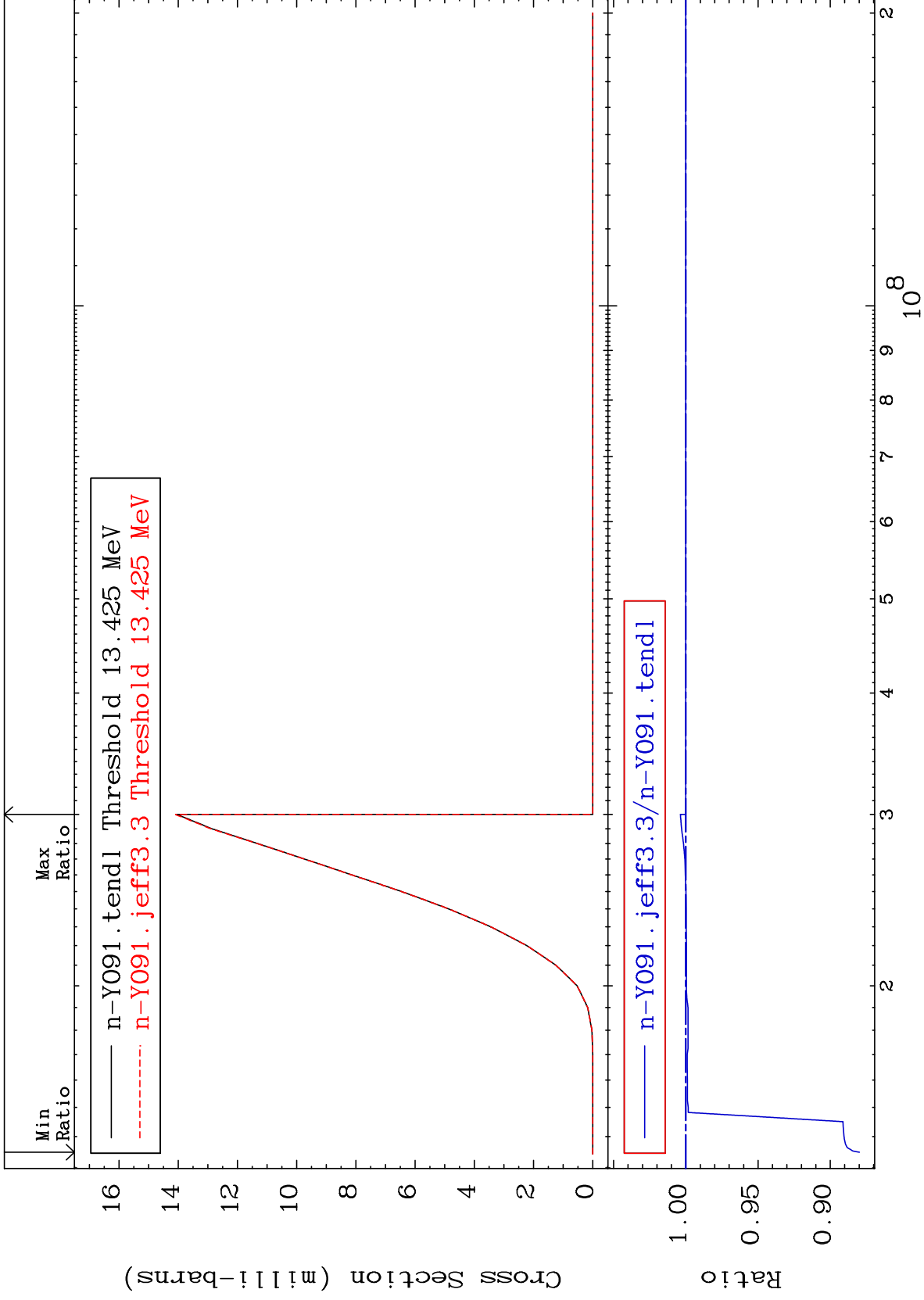


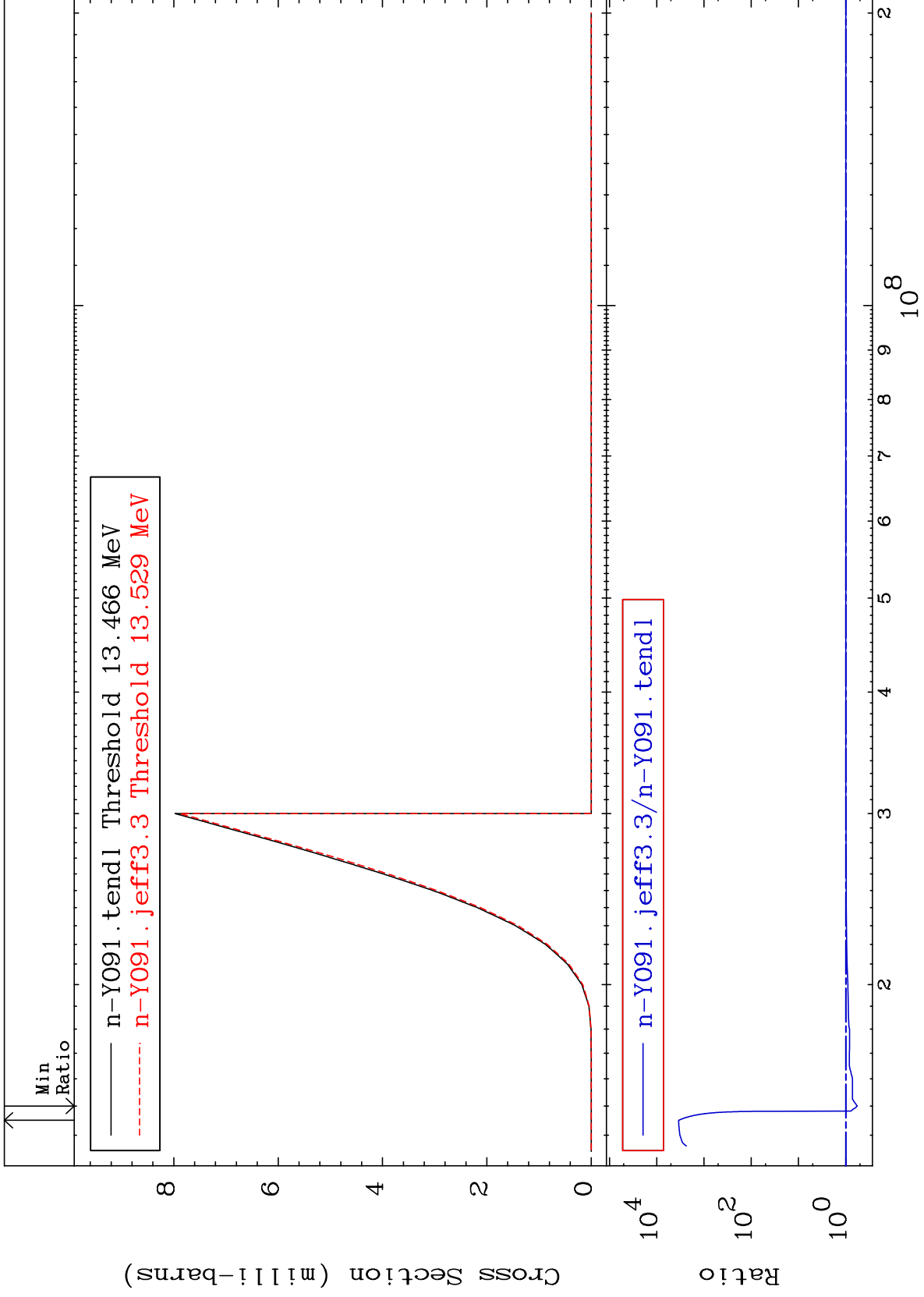
10

Incident Energy (eV)

39-Y -91



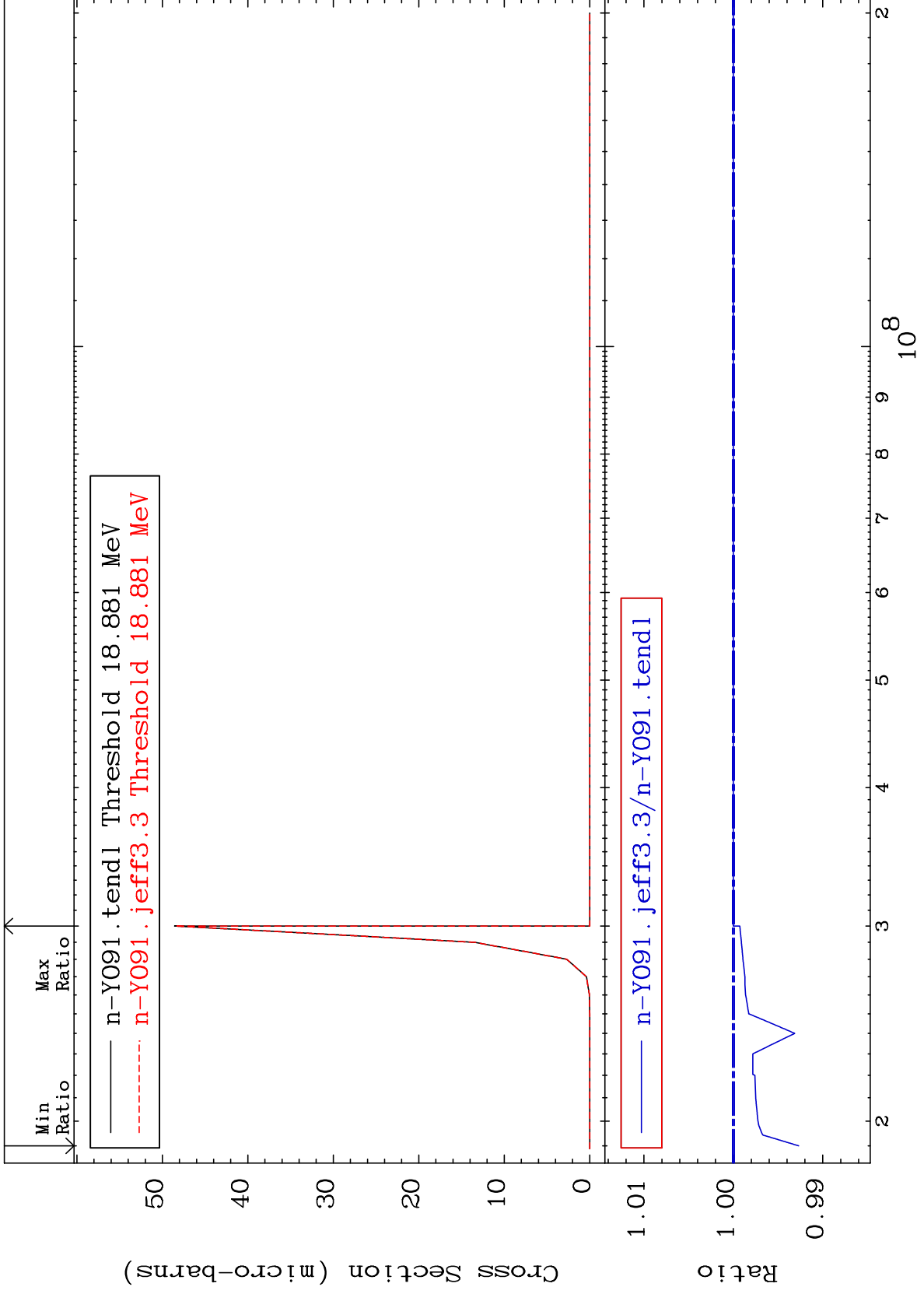




MAT 3931

(n, n') He-3
Cross Section

39-Y -91
-0.730 To 0.000 %



14

39-Y -91

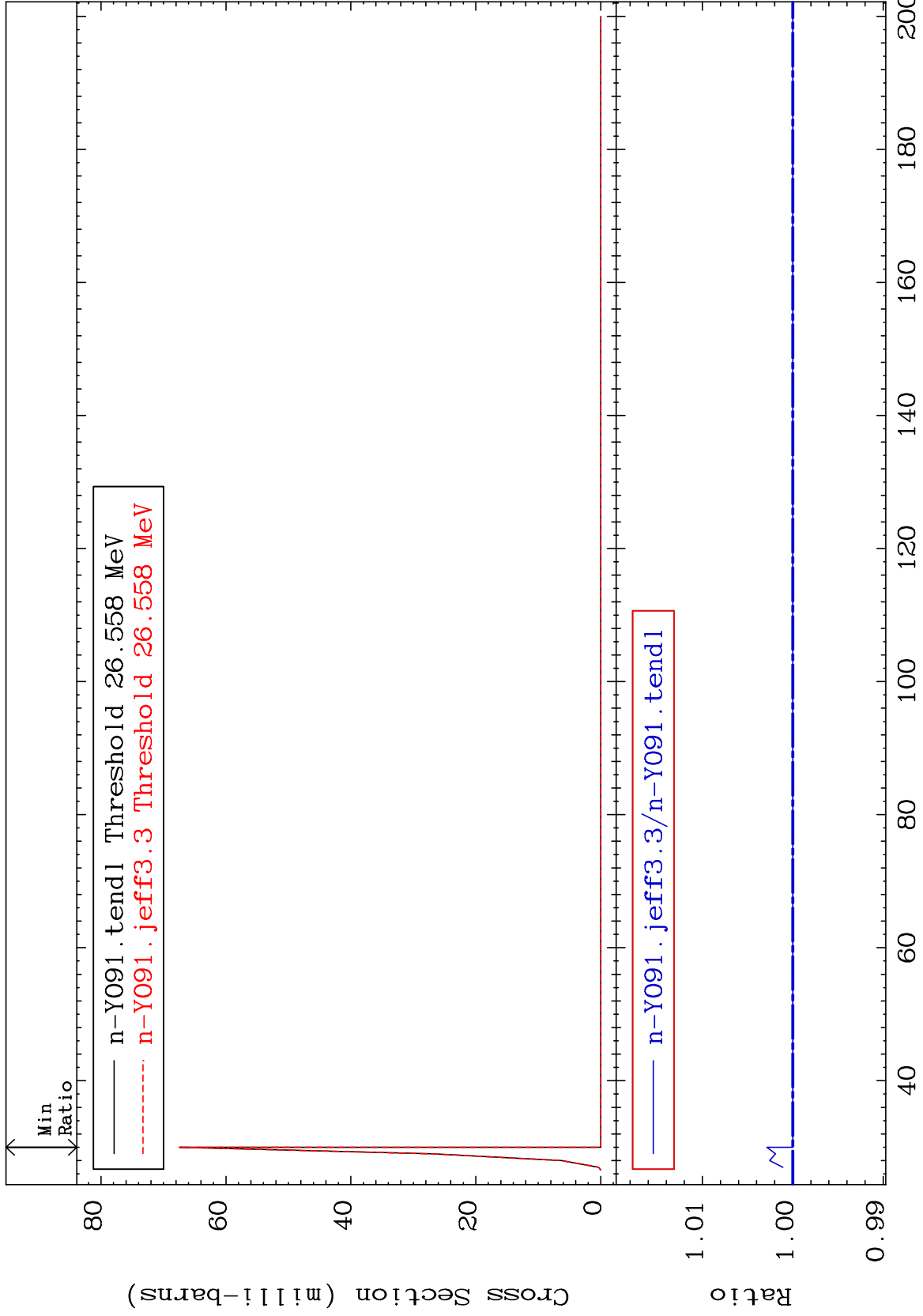
MAT 3931

(n,4n)

39-Y -91

Cross Section

0.000 To 0.286 %



15

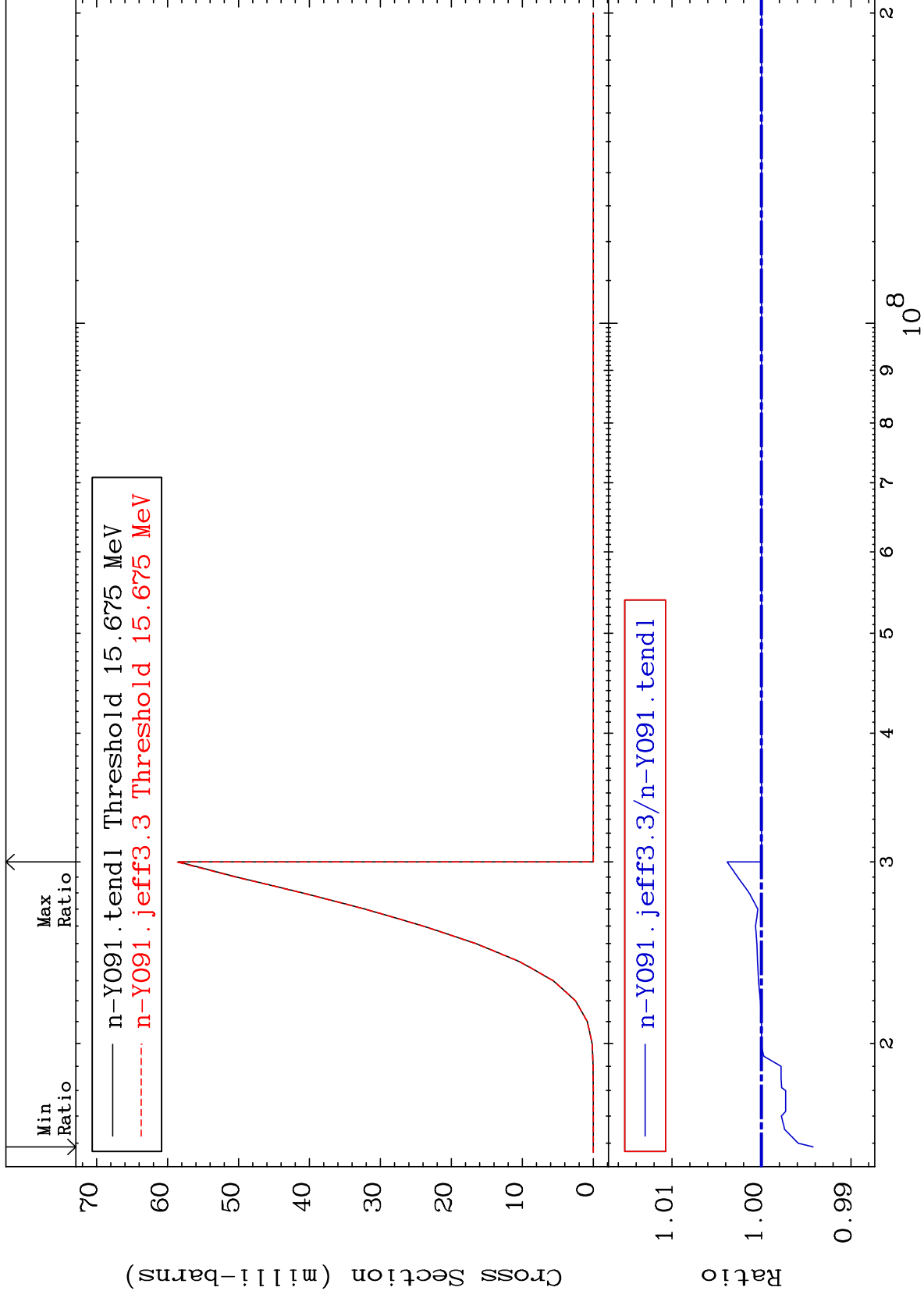
Incident Energy (MeV)

39-Y -91

MAT 3931

(n,2n) p
Cross Section

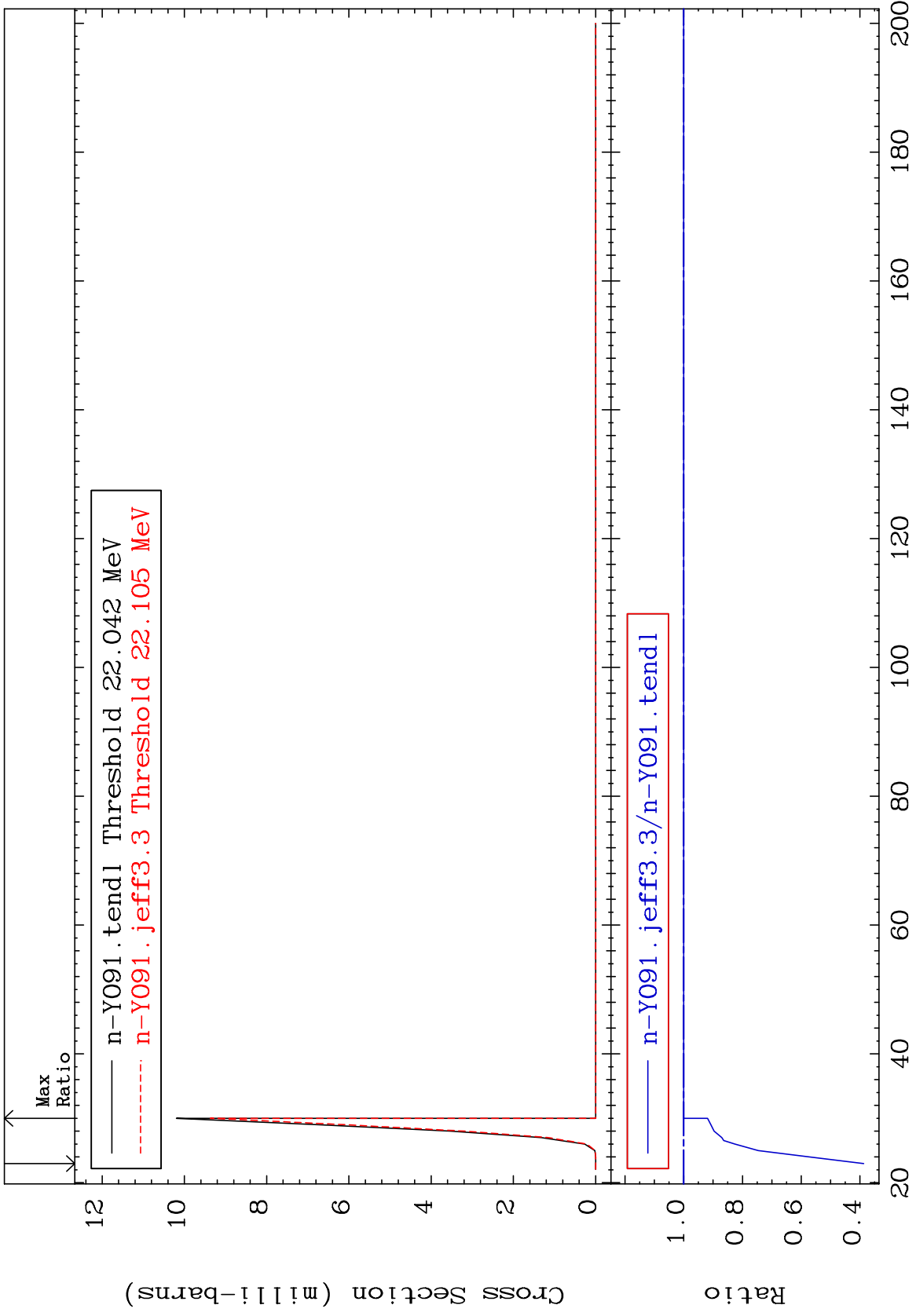
39-Y -91
-0.578 To 0.383 %

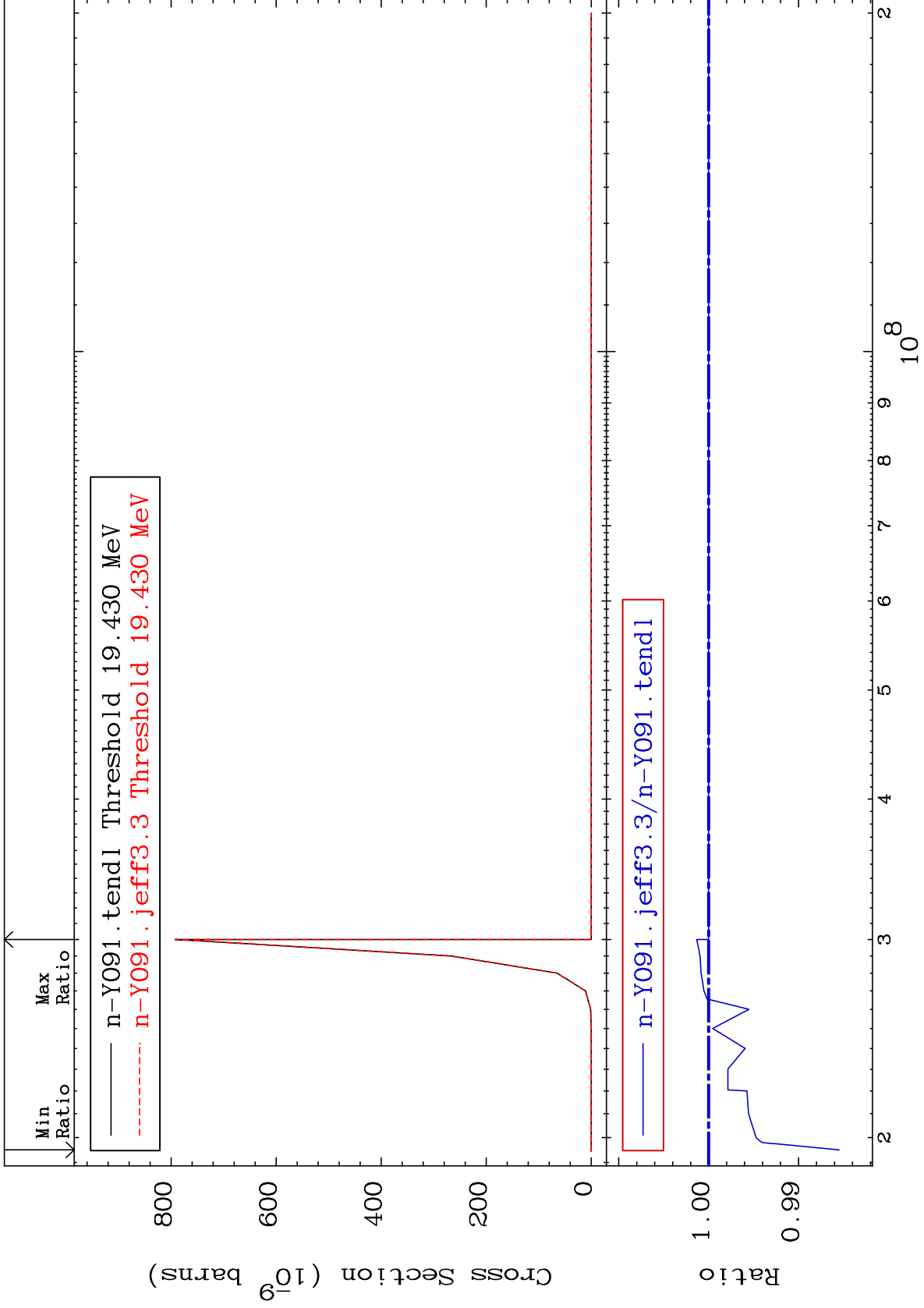


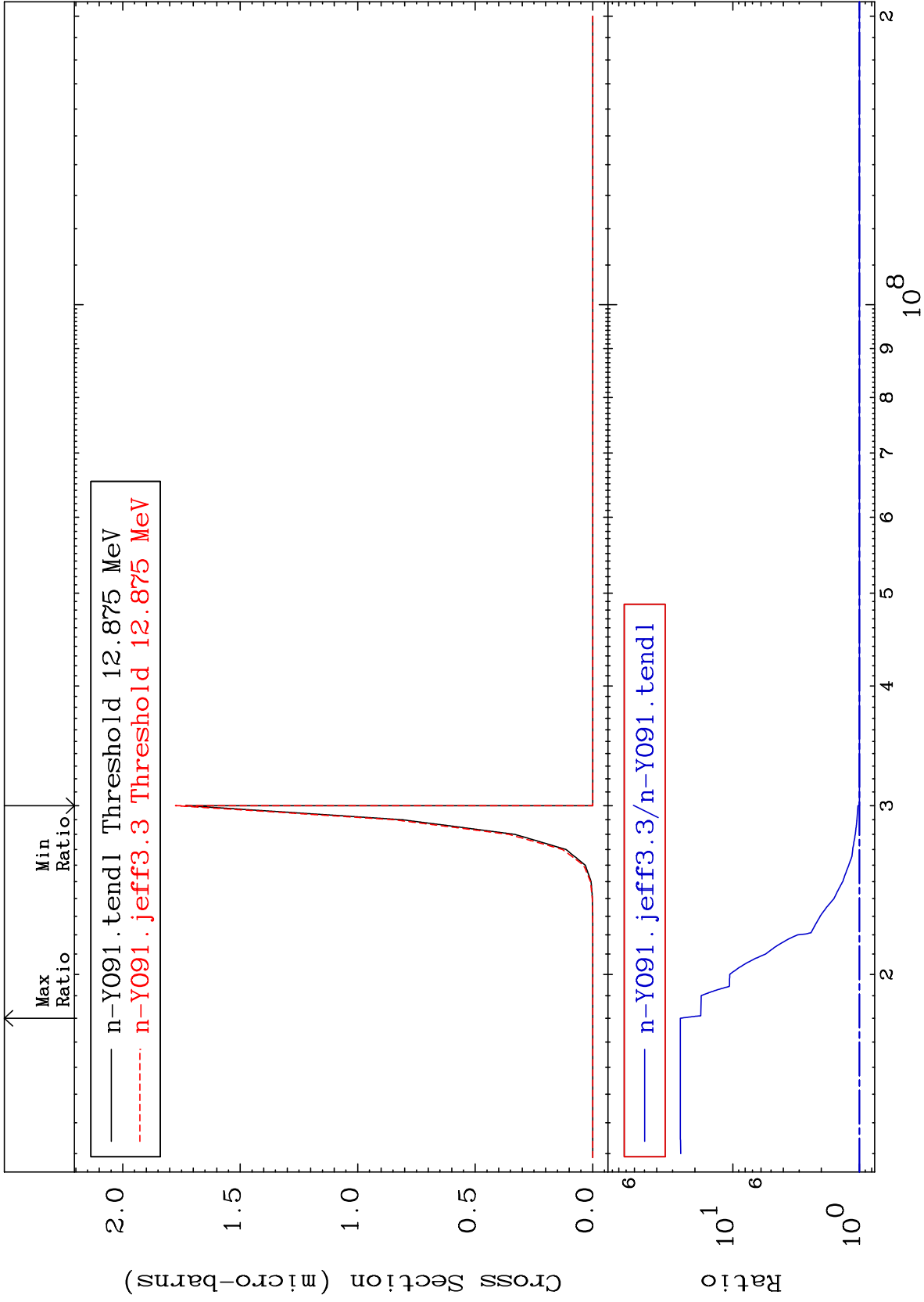
MAT 3931

(n,3n) p
Cross Section

39-Y -91
-61.27 To 0.000 %



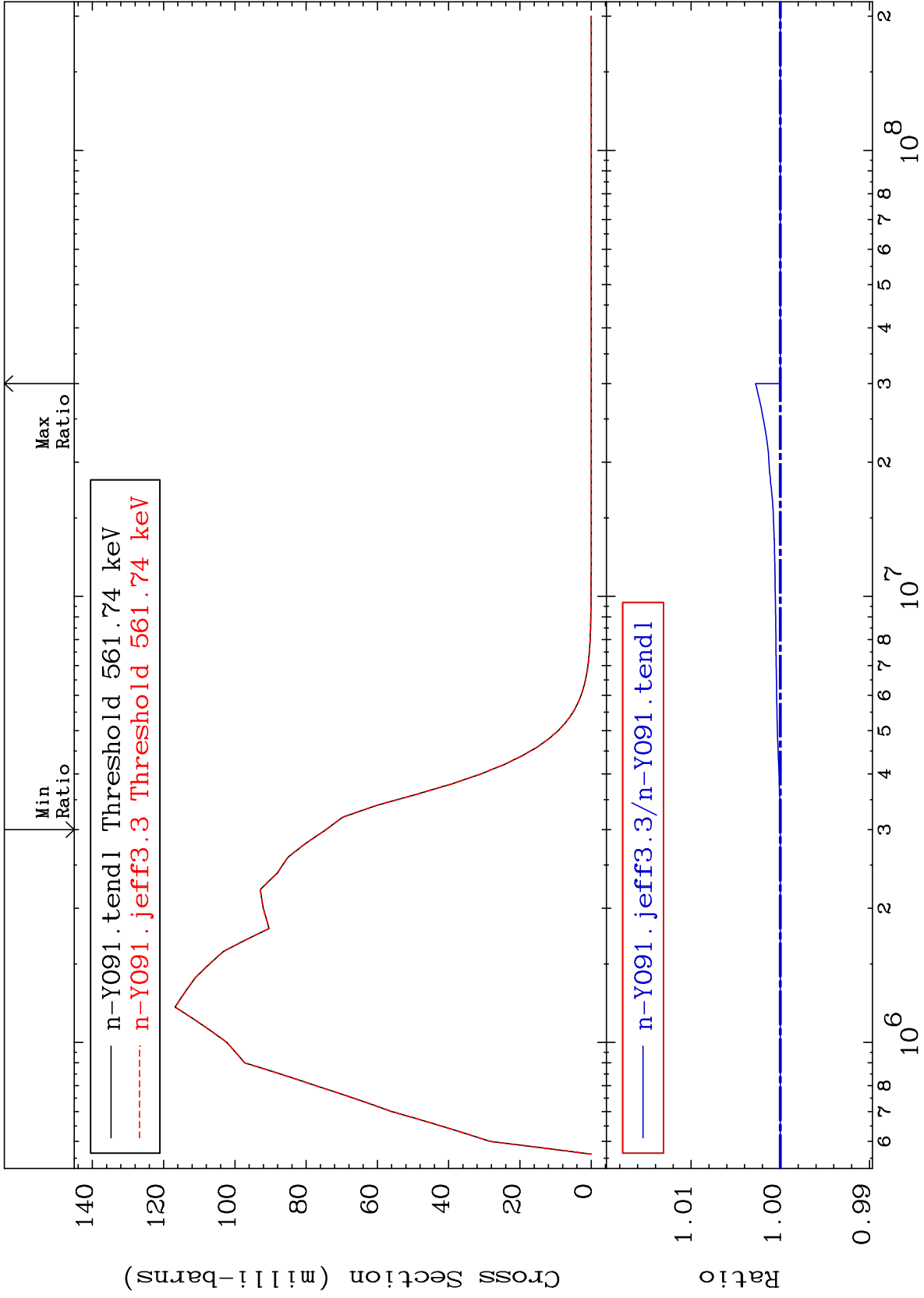




MAT 3931

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

39-Y -91
0.000 To 0.277 %



20

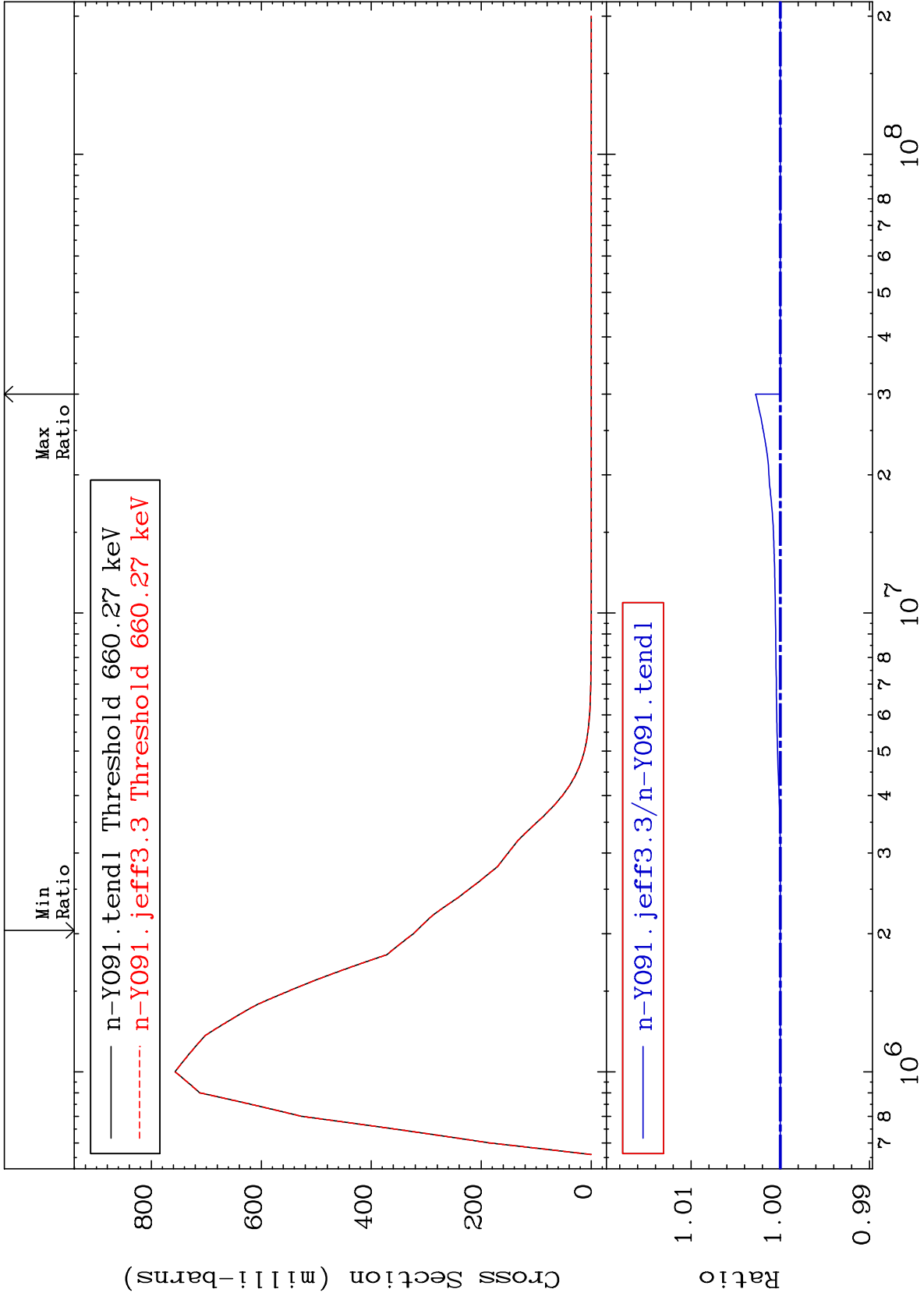
Incident Energy (eV)

39-Y -91

MAT 3931

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

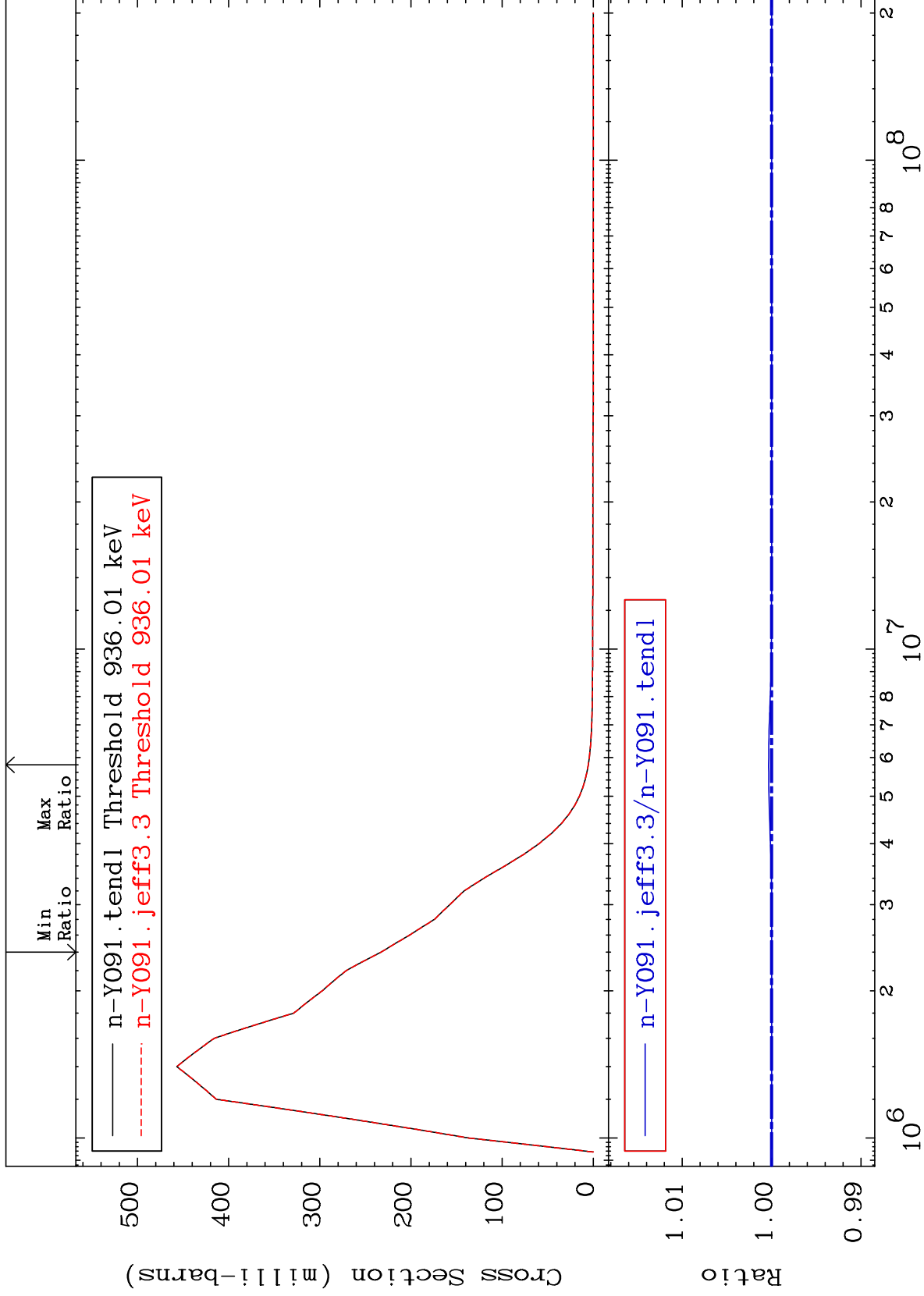
39-Y -91
0.000 To 0.276 %



MAT 3931

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

39-Y -91
0.000 To 0.033 %



22

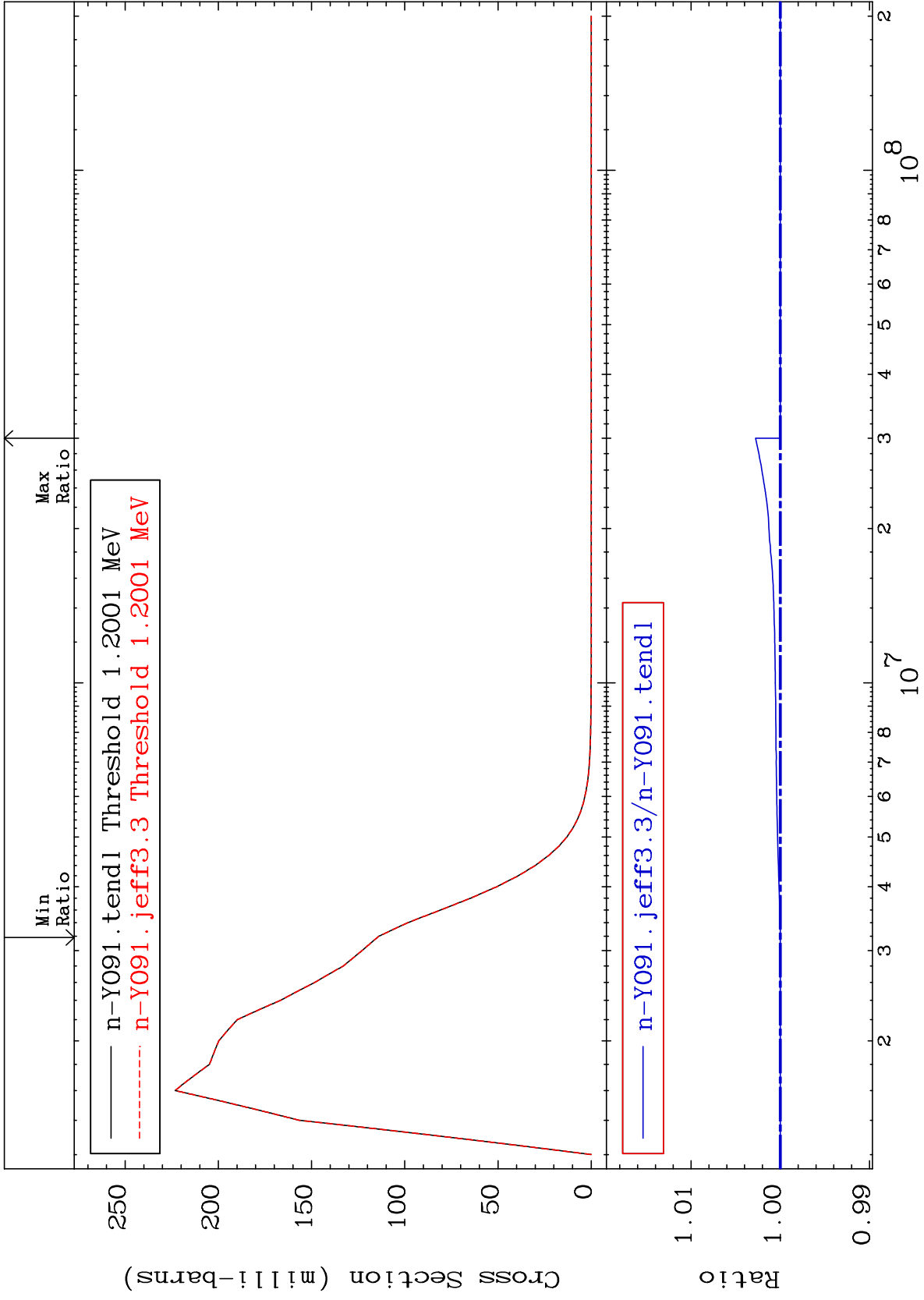
Incident Energy (eV)

39-Y -91

MAT 3931

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

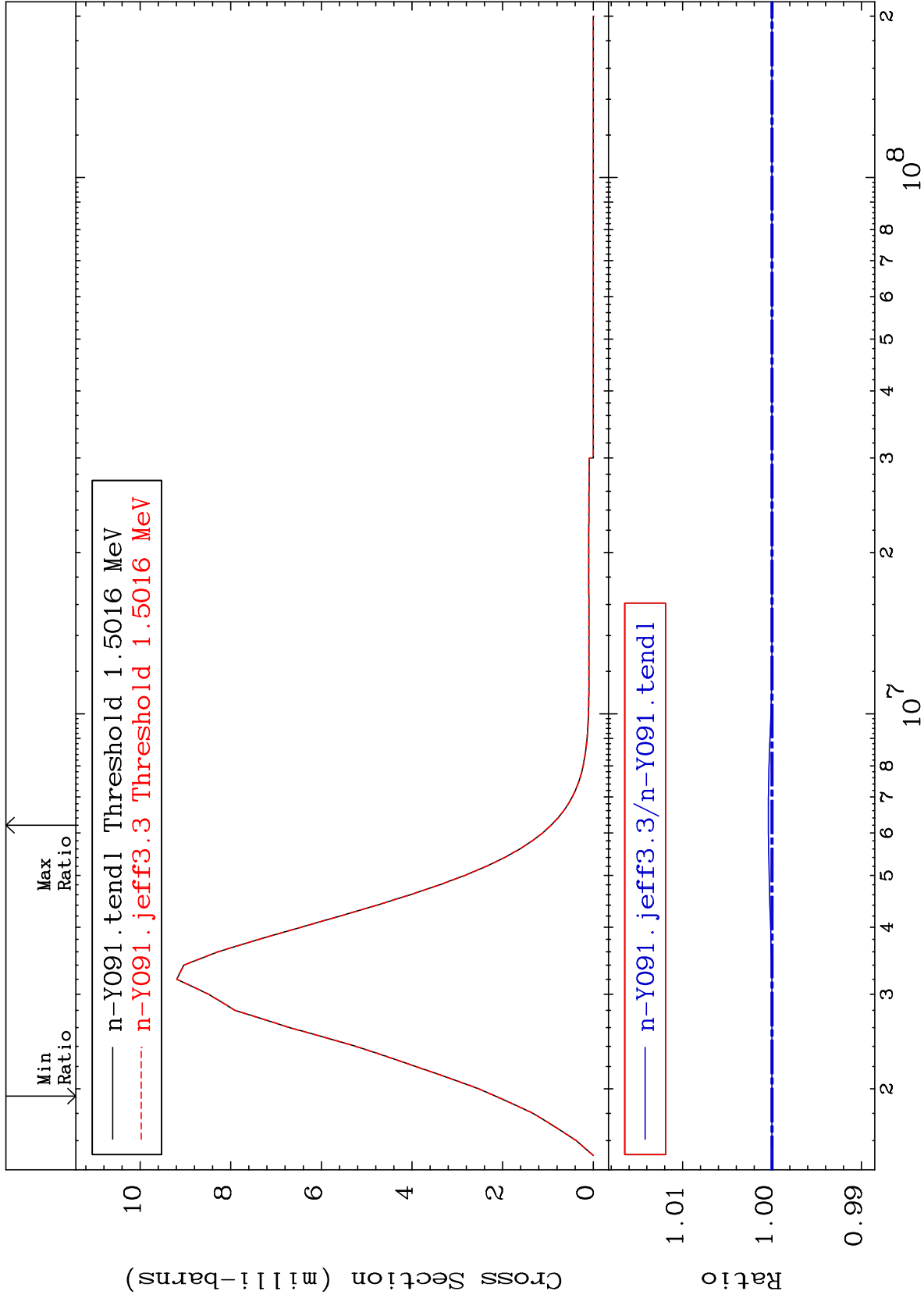
39-Y -91
0.000 To 0.277 %



MAT 3931

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

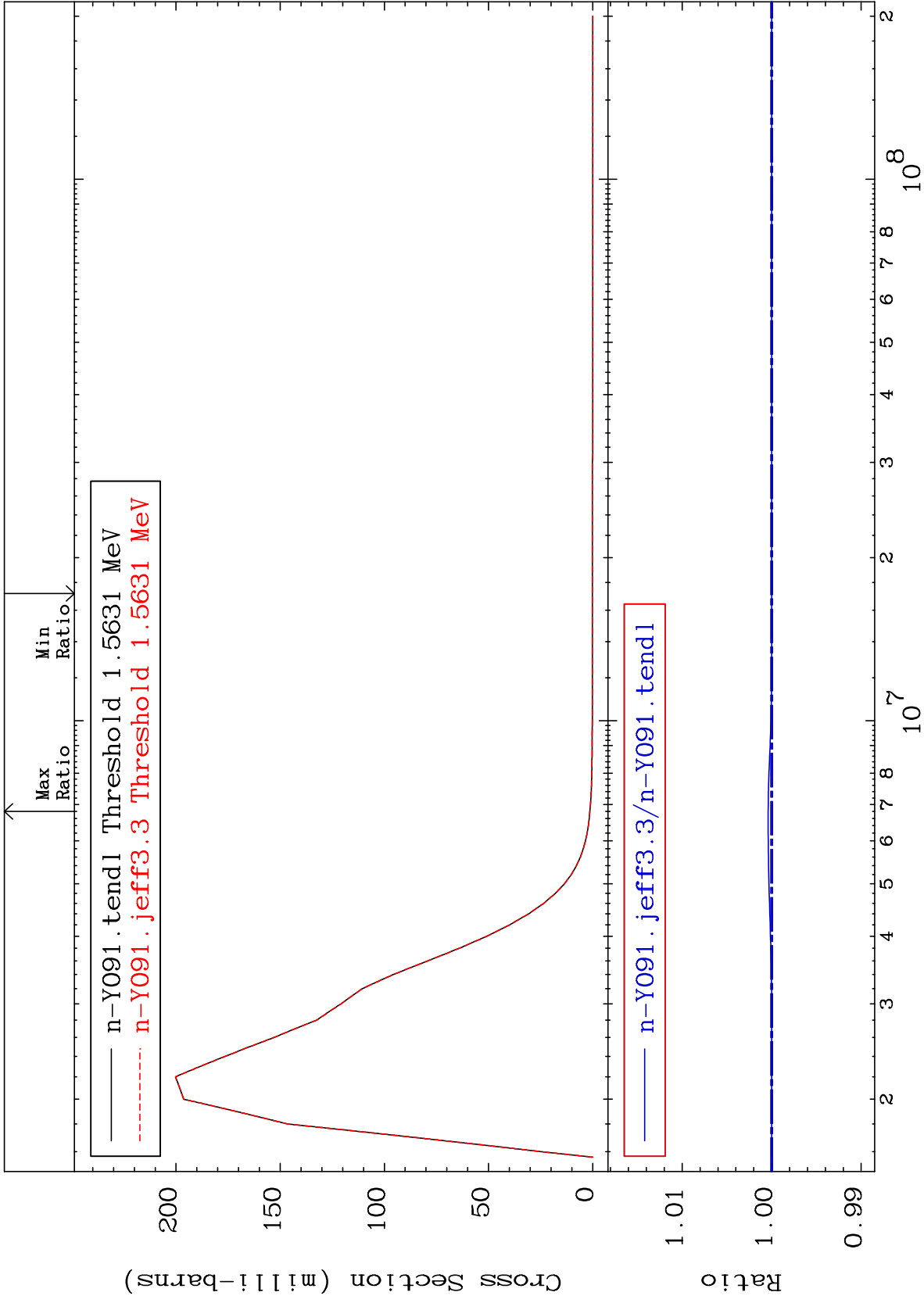
39-Y -91
0.000 To 0.041 %



MAT 3931

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

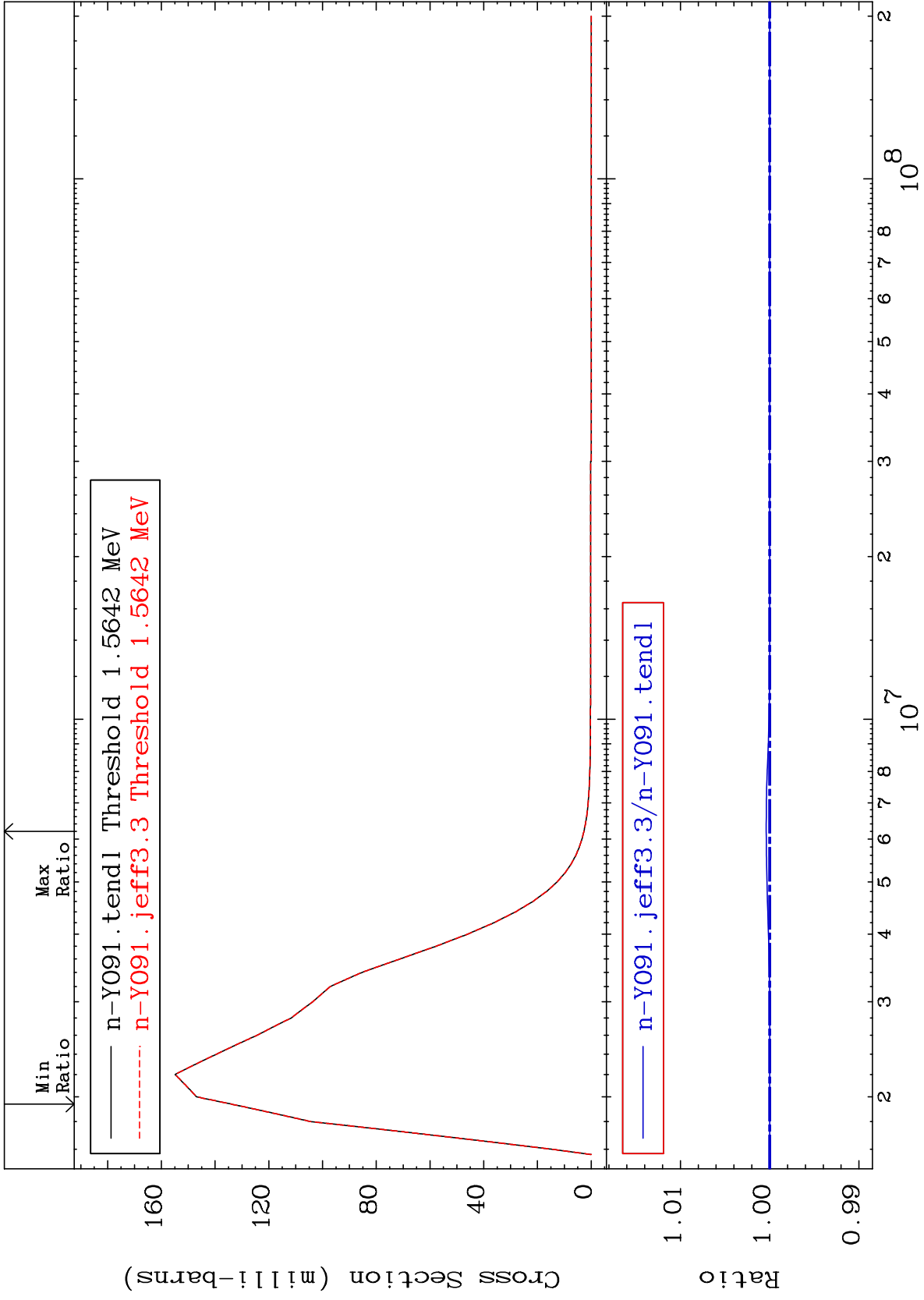
39-Y -91
0.000 To 0.040 %



MAT 3931

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

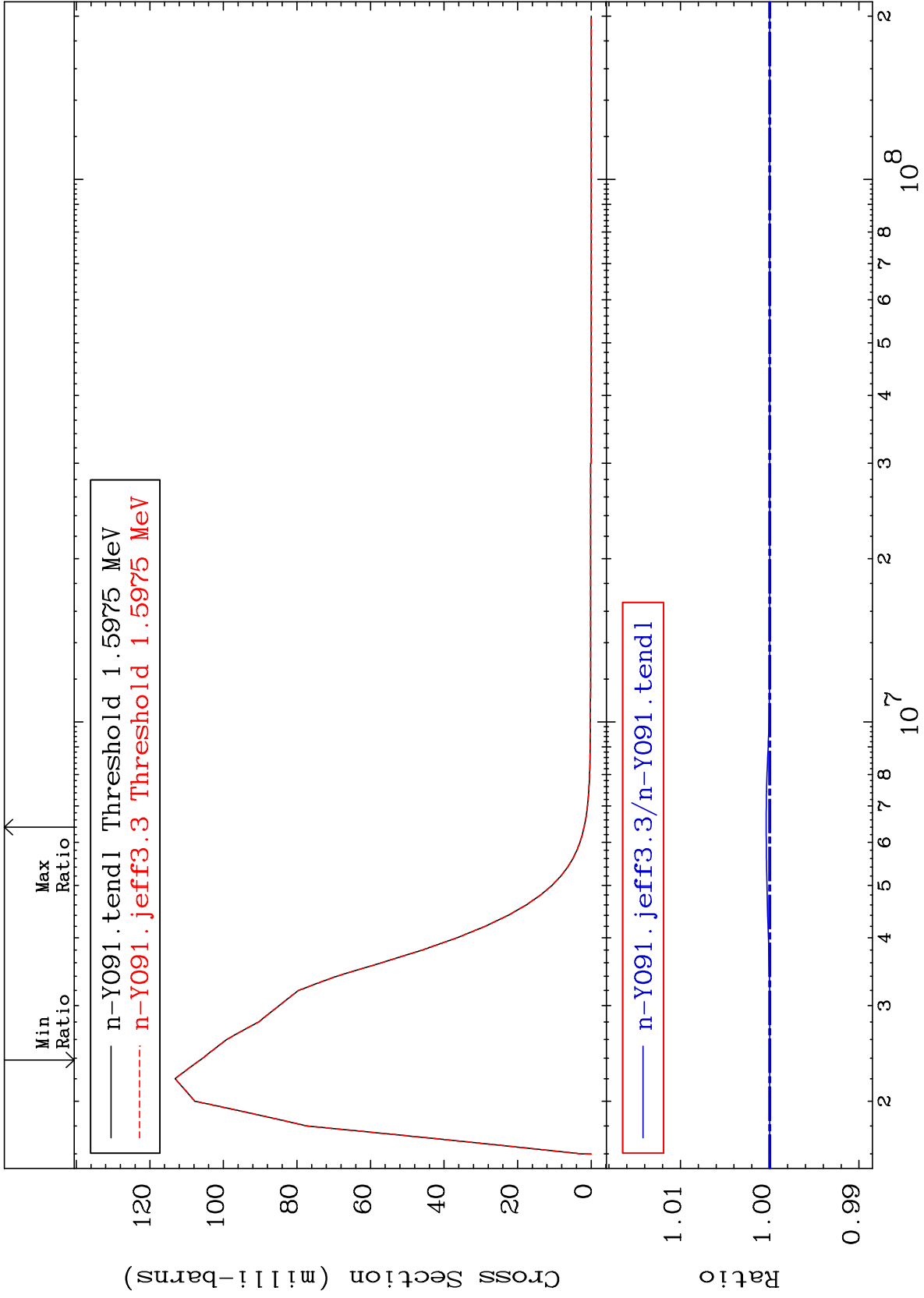
39-Y -91
0.000 To 0.039 %



MAT 3931

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

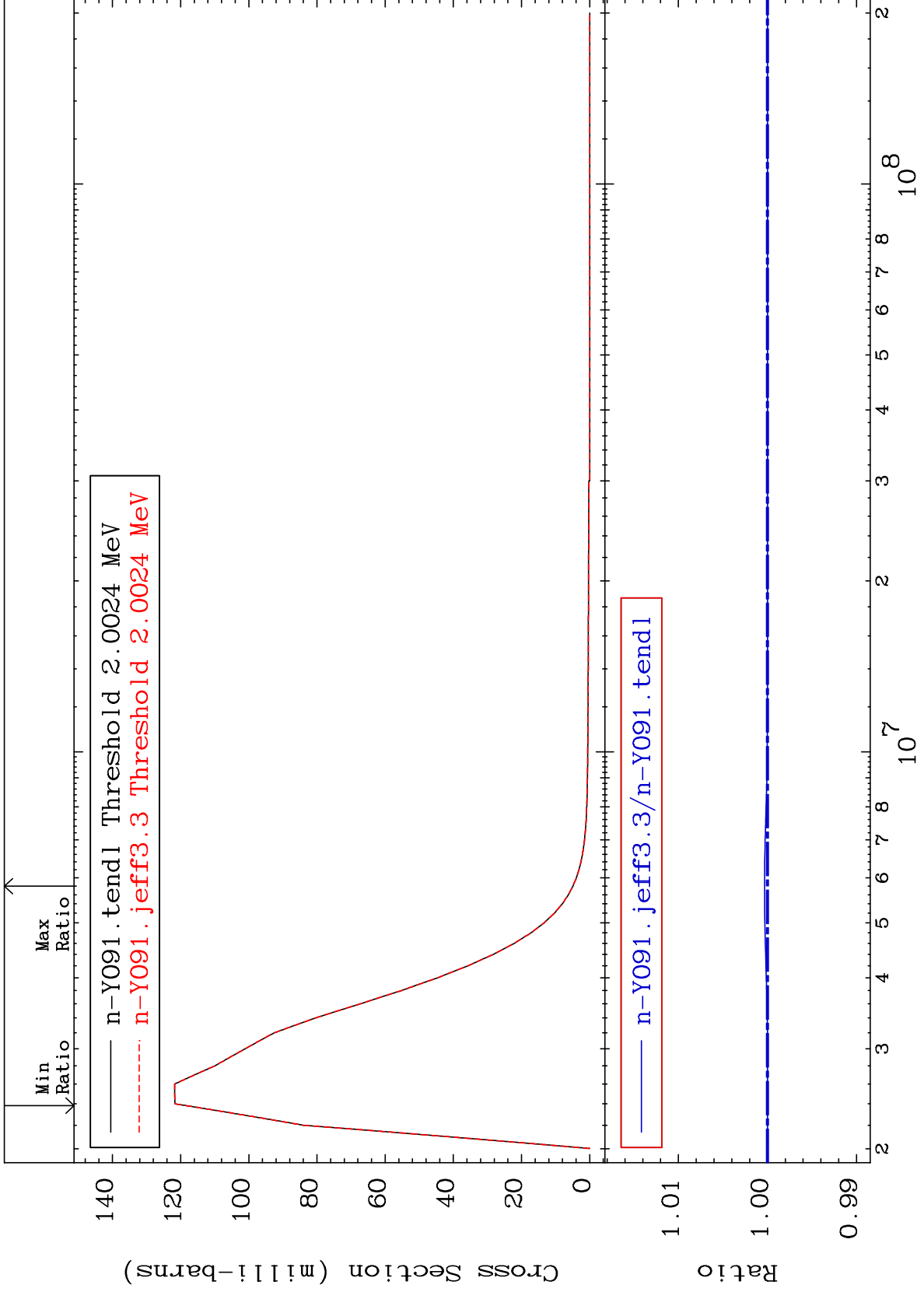
39-Y -91
0.000 To 0.040 %



MAT 3931

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

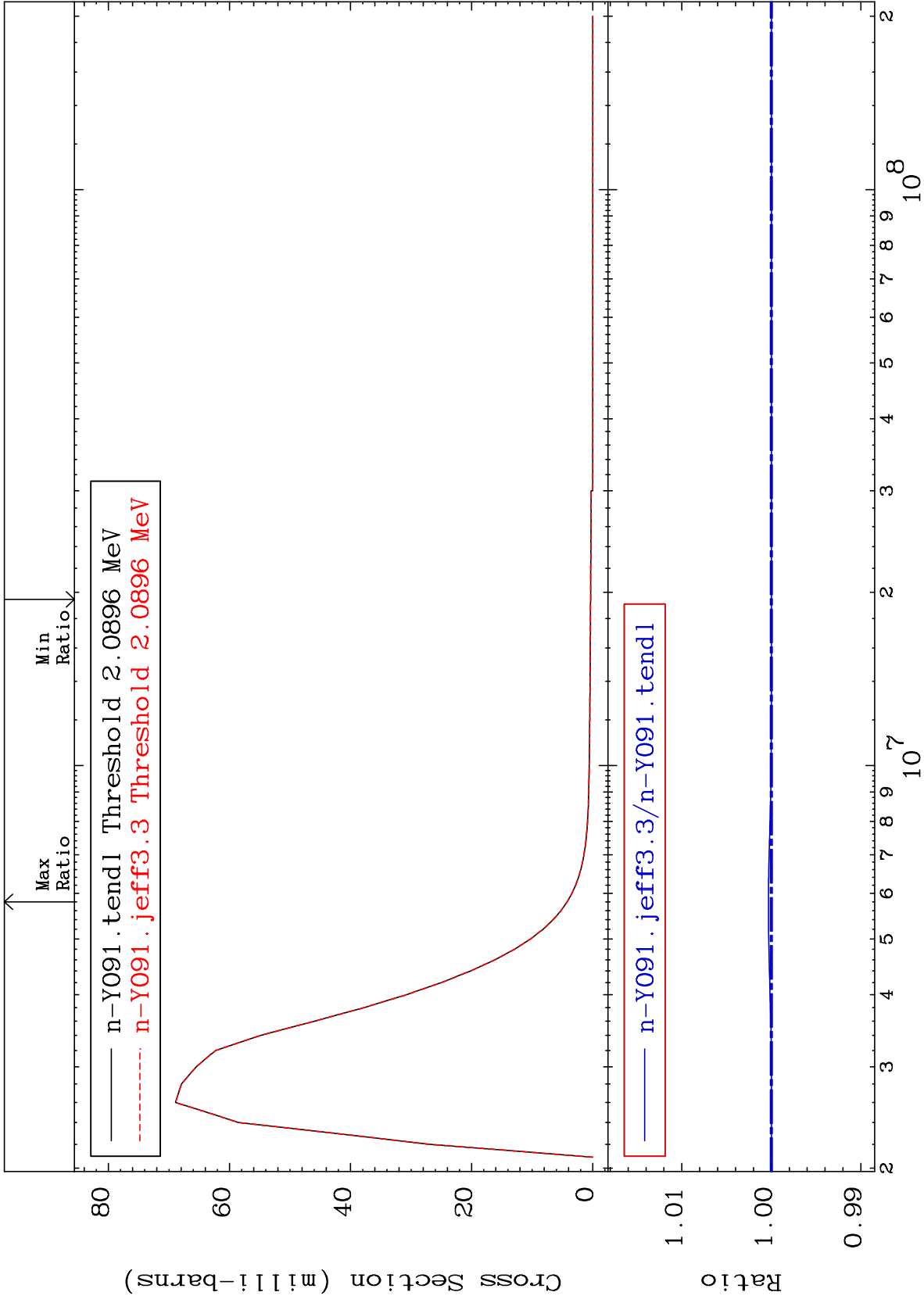
39-Y -91
0.000 To 0.033 %



MAT 3931

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

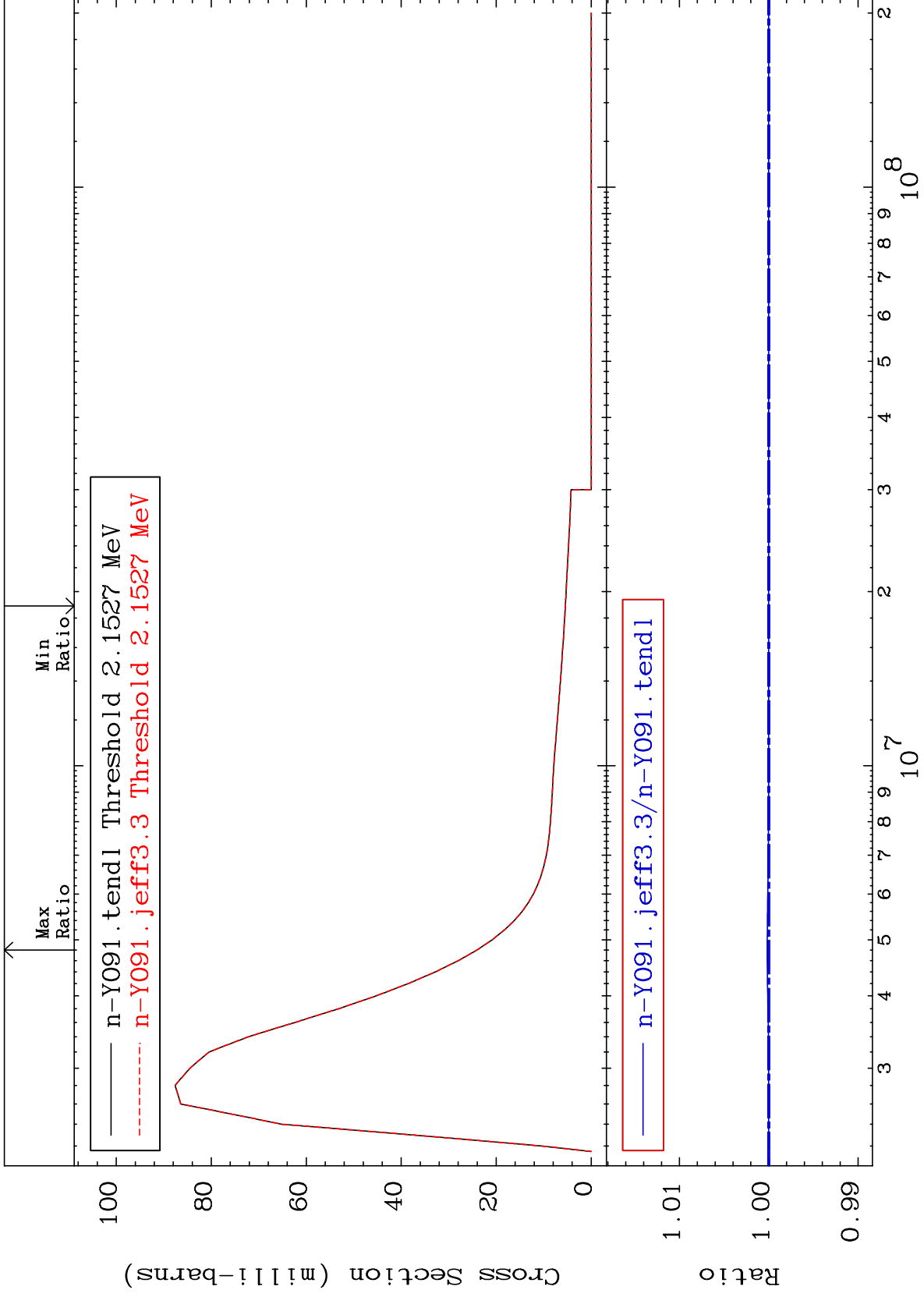
39-Y -91
0.000 To 0.033 %



MAT 3931

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

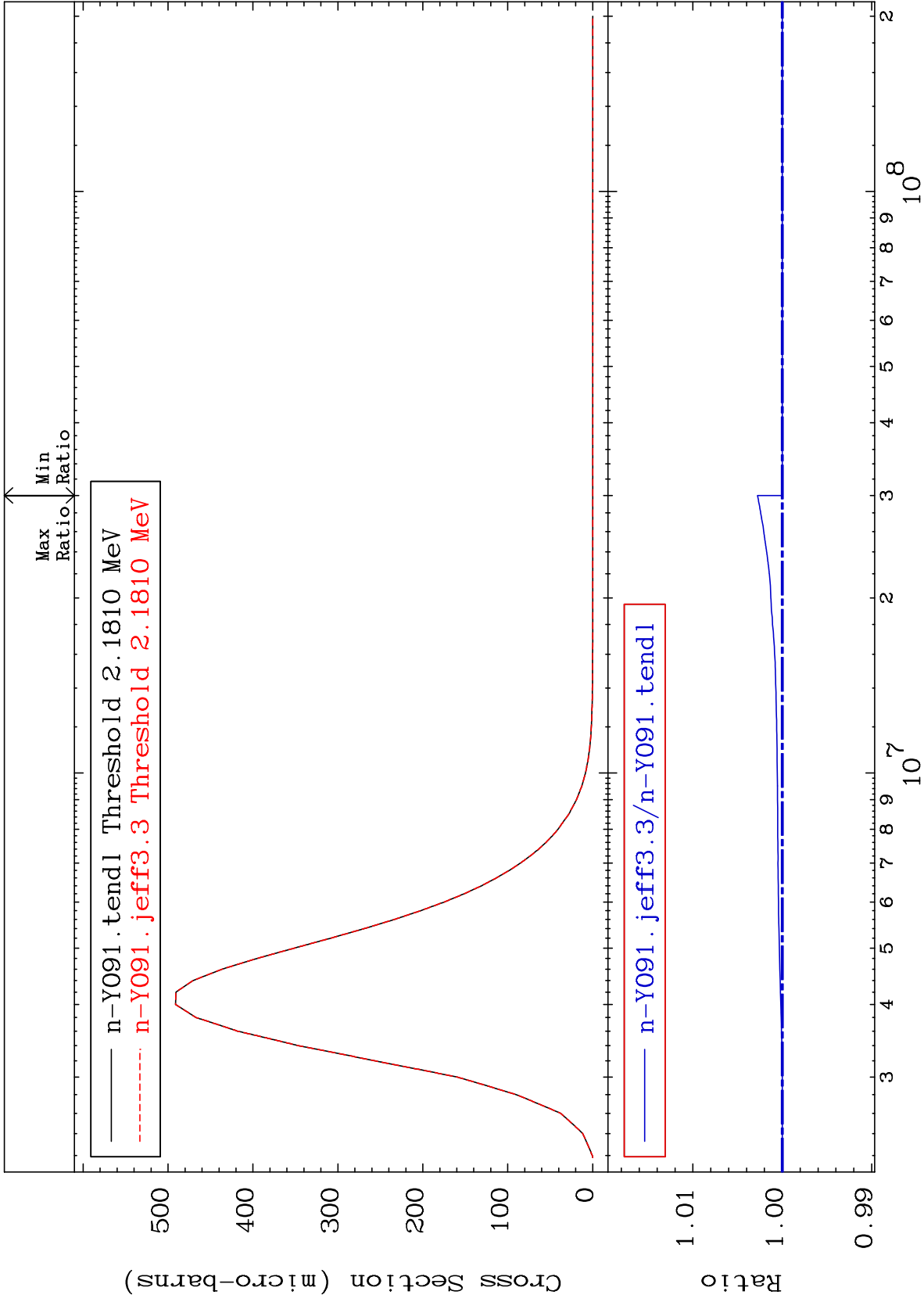
39-Y -91
0.000 To 0.017 %



30

Incident Energy (eV)

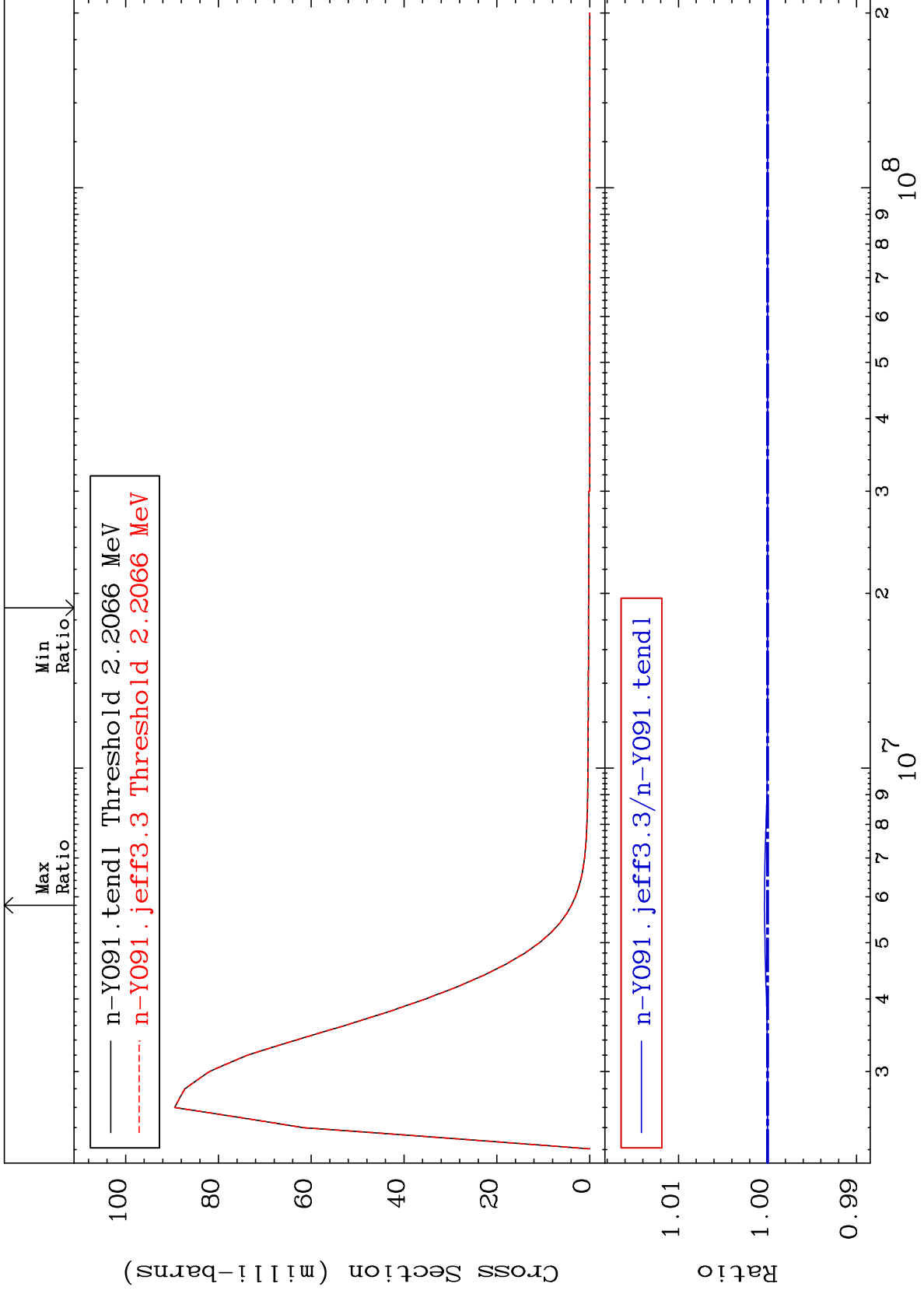
39-Y -91



MAT 3931

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

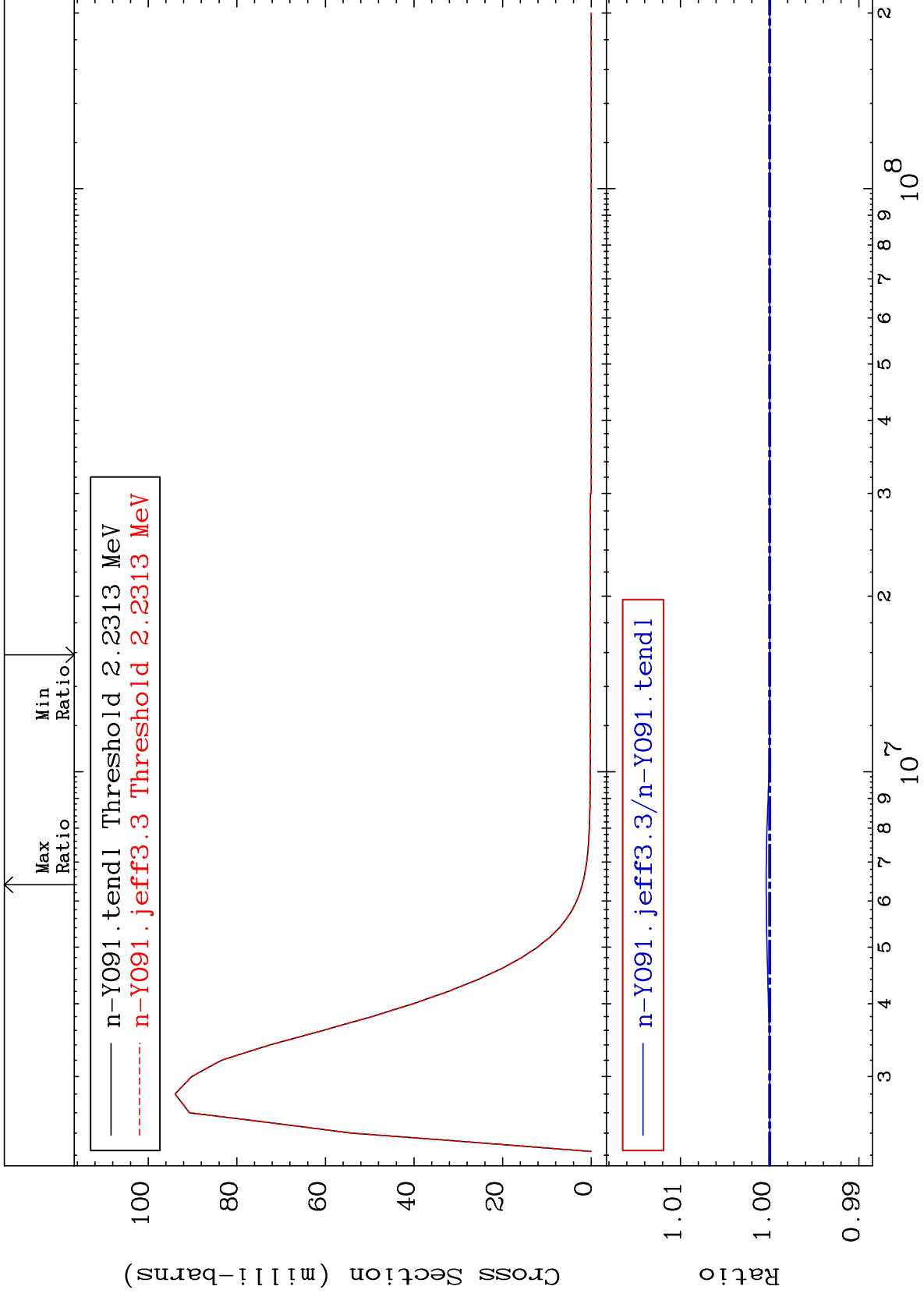
39-Y -91
0.000 To 0.034 %



MAT 3931

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

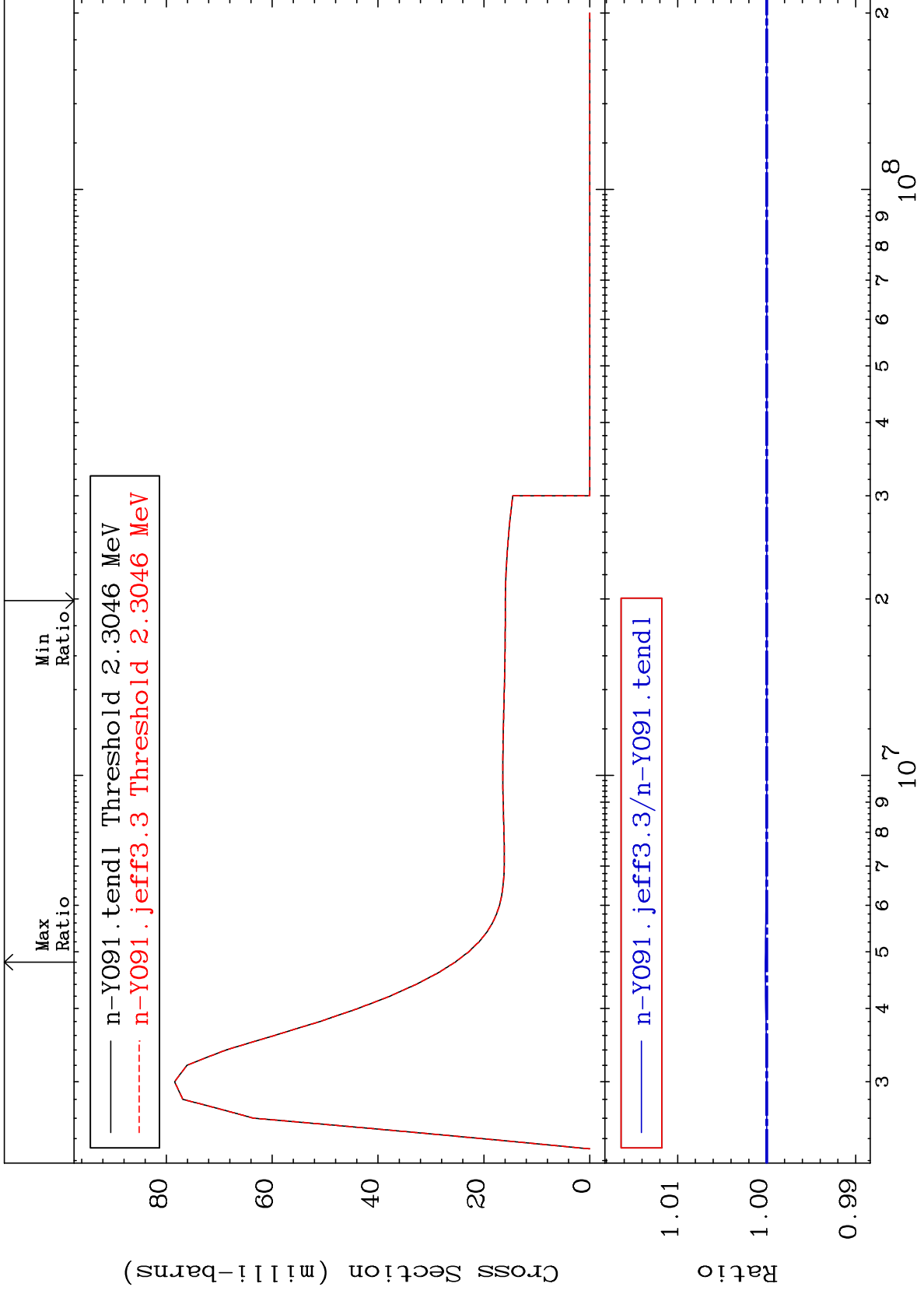
39-Y -91
0.000 To 0.039 %



MAT 3931

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

39-Y -91
0.000 To 0.016 %



34

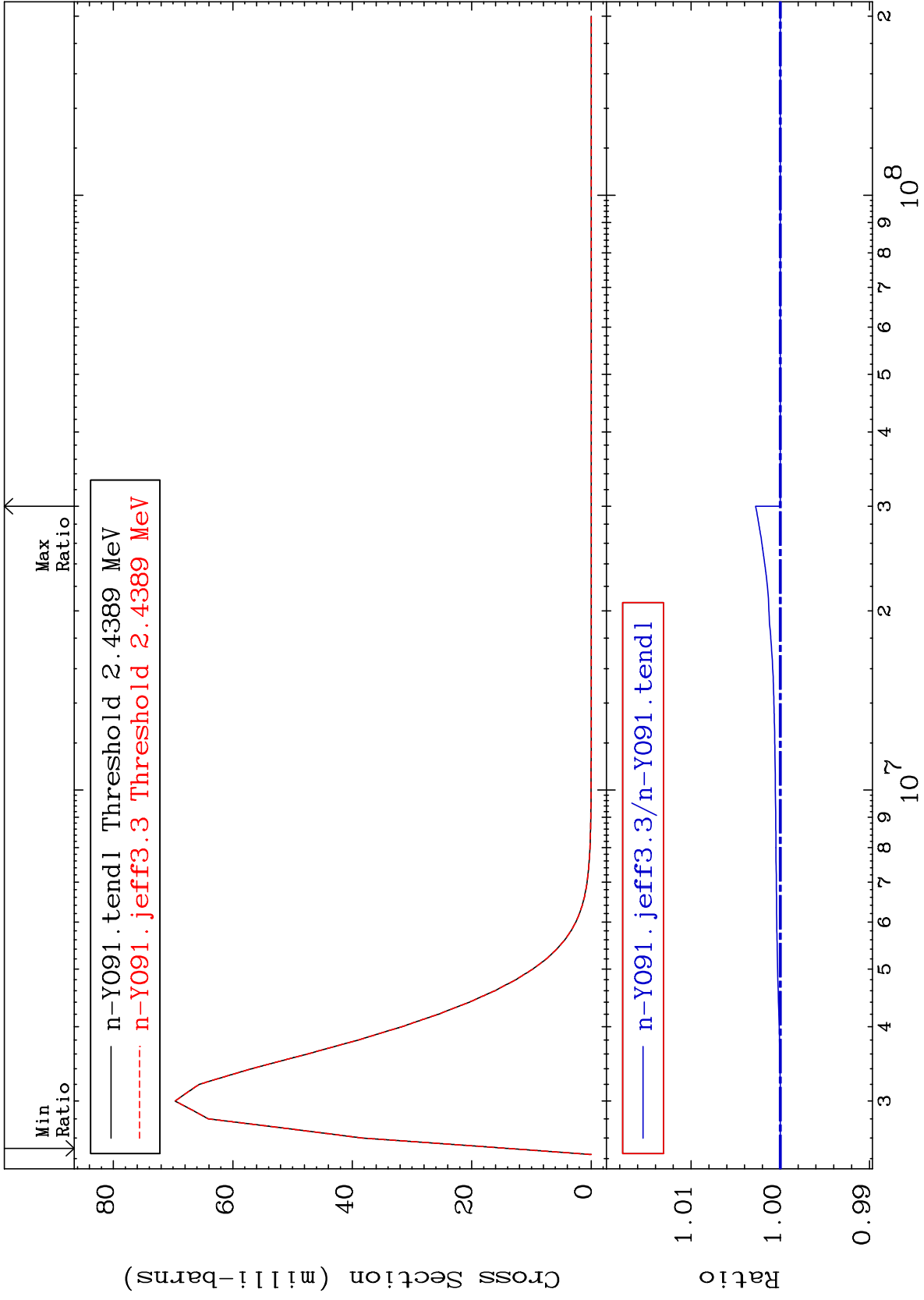
Incident Energy (eV)

39-Y -91

MAT 3931

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

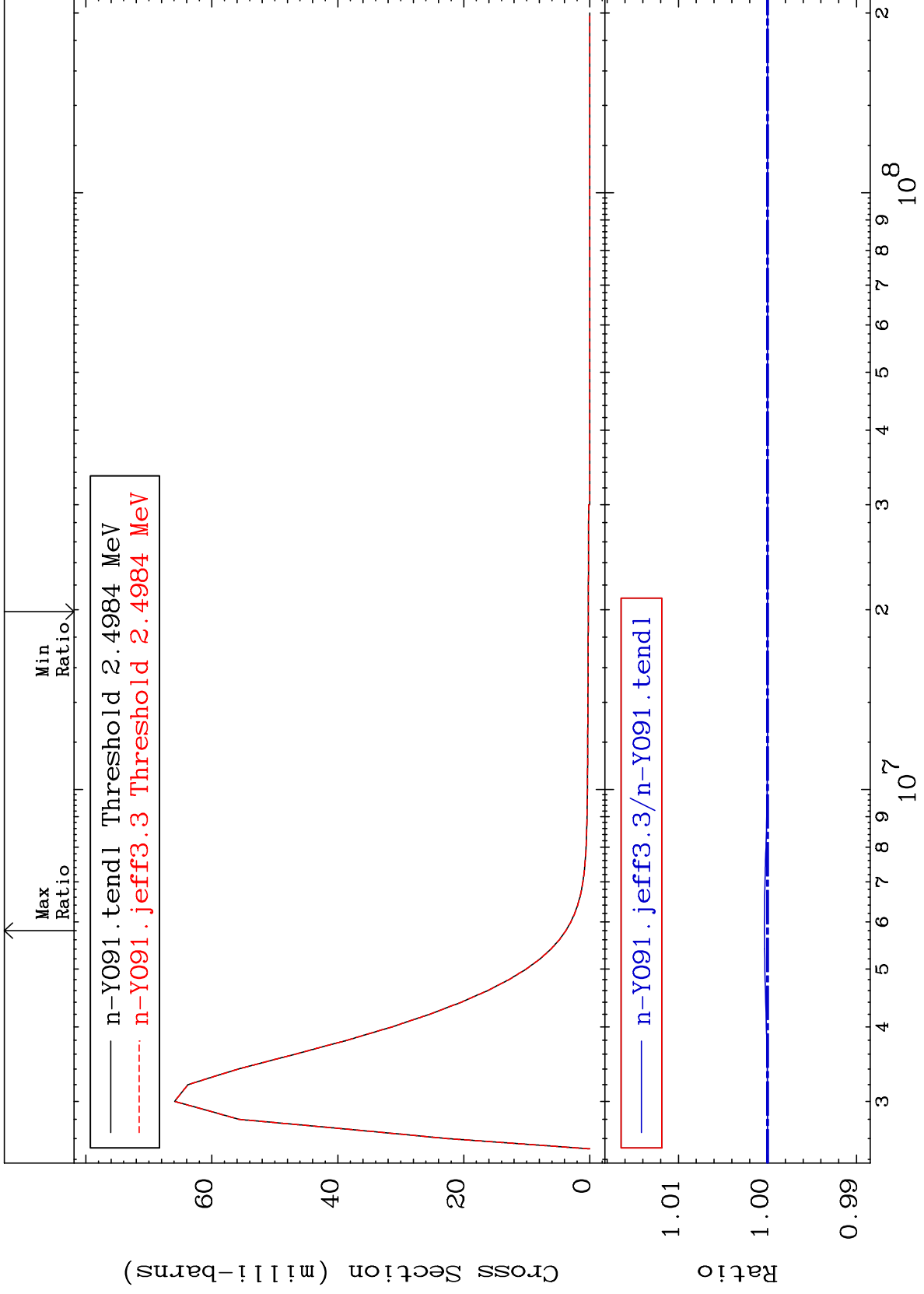
39-Y -91
0.000 To 0.277 %



MAT 3931

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

39-Y -91
0.000 To 0.034 %



36

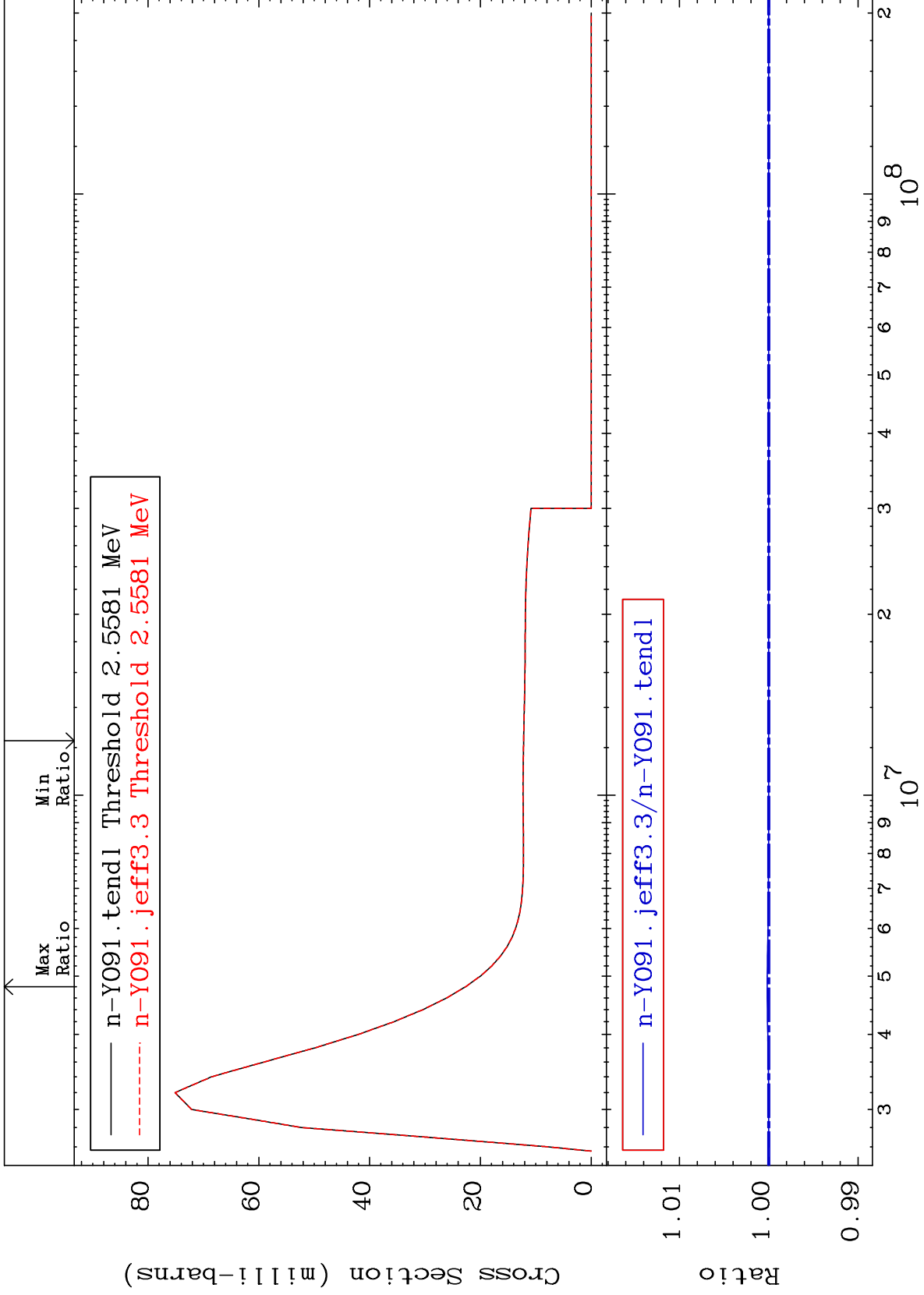
Incident Energy (eV)

39-Y -91

MAT 3931

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

39-Y -91
0.000 To 0.018 %



37

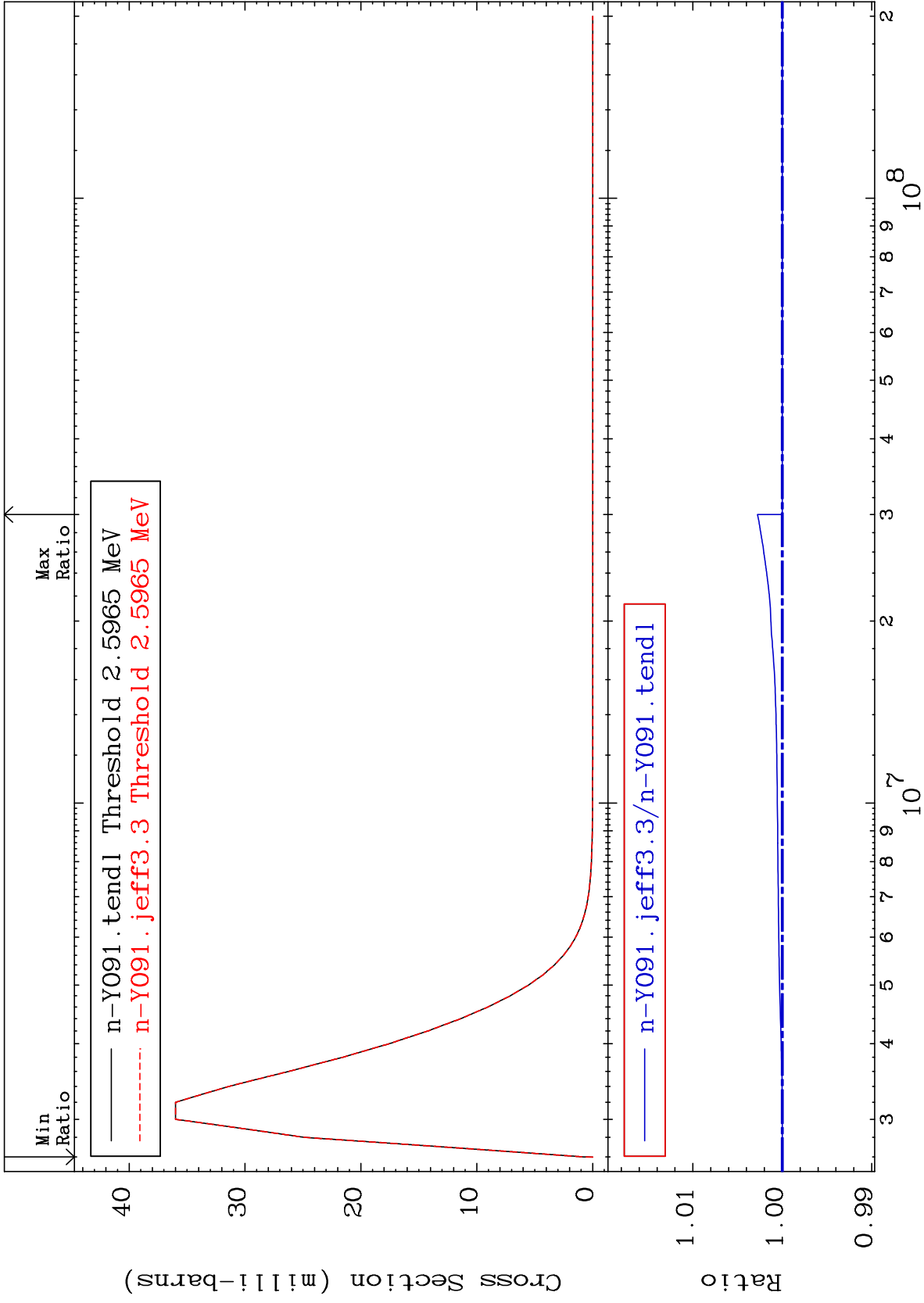
Incident Energy (eV)

39-Y -91

MAT 3931

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

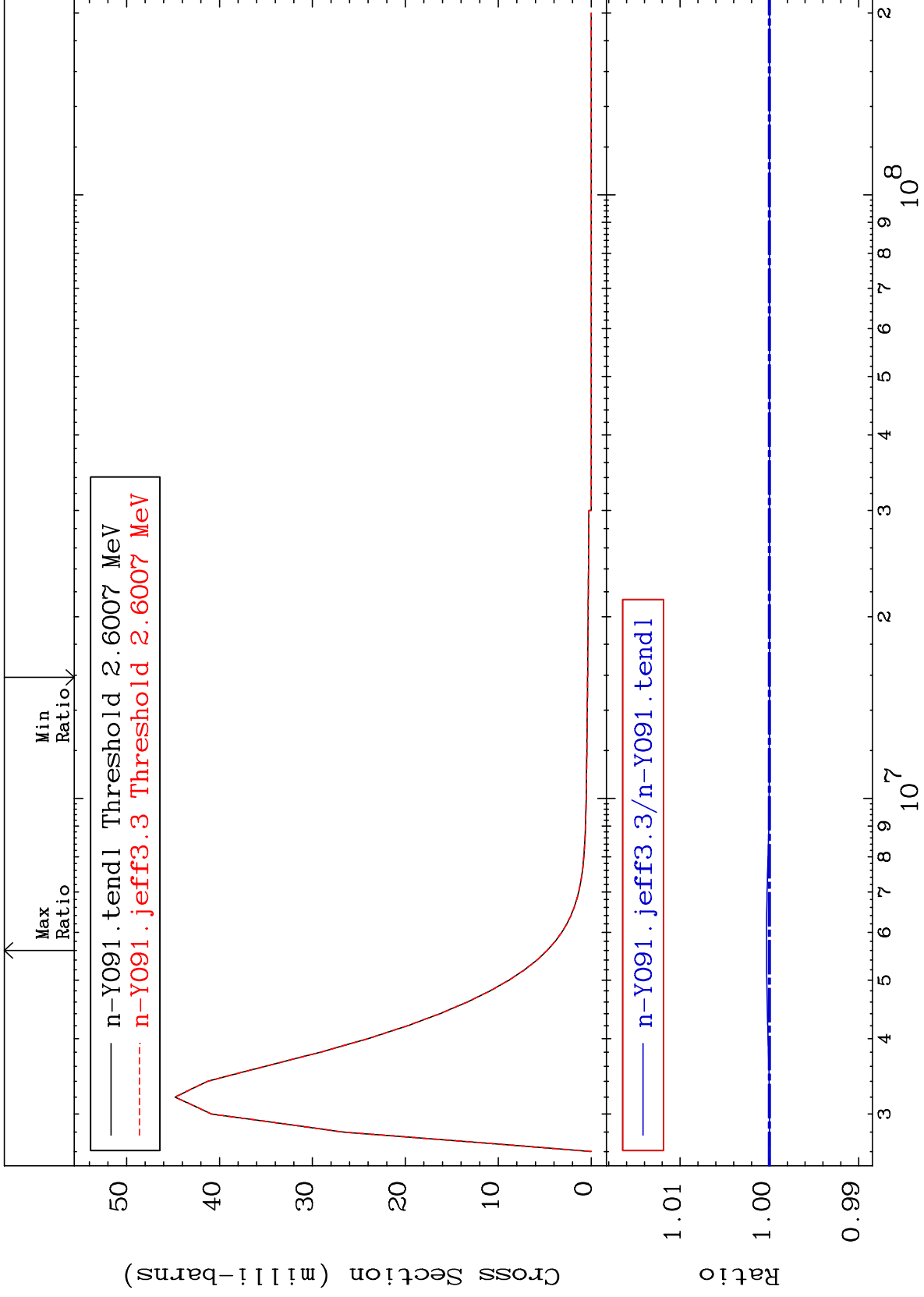
39-Y -91
0.000 To 0.277 %



MAT 3931

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

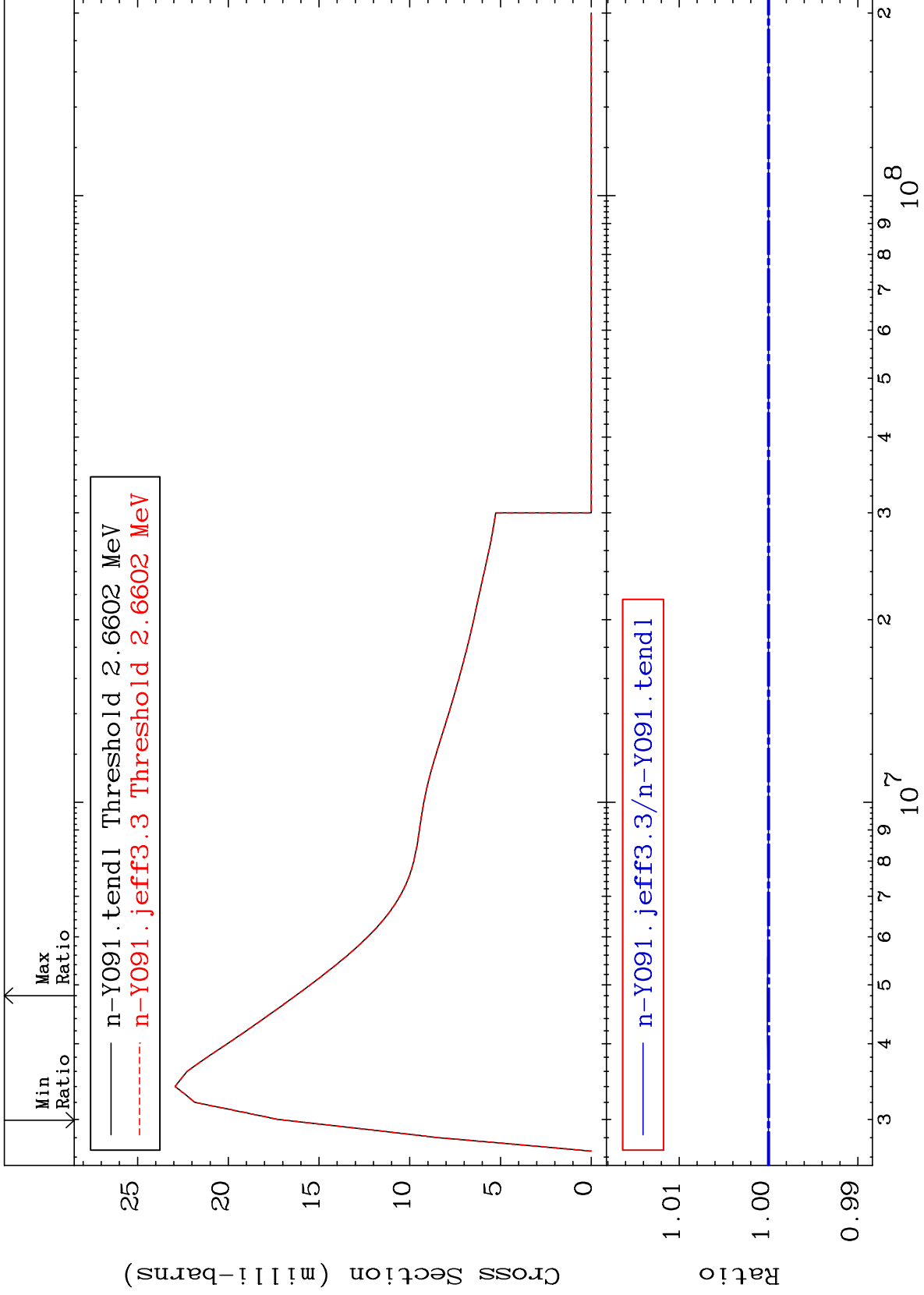
39-Y -91
0.000 To 0.033 %



MAT 3931

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

39-Y -91
0.000 To 0.013 %



40

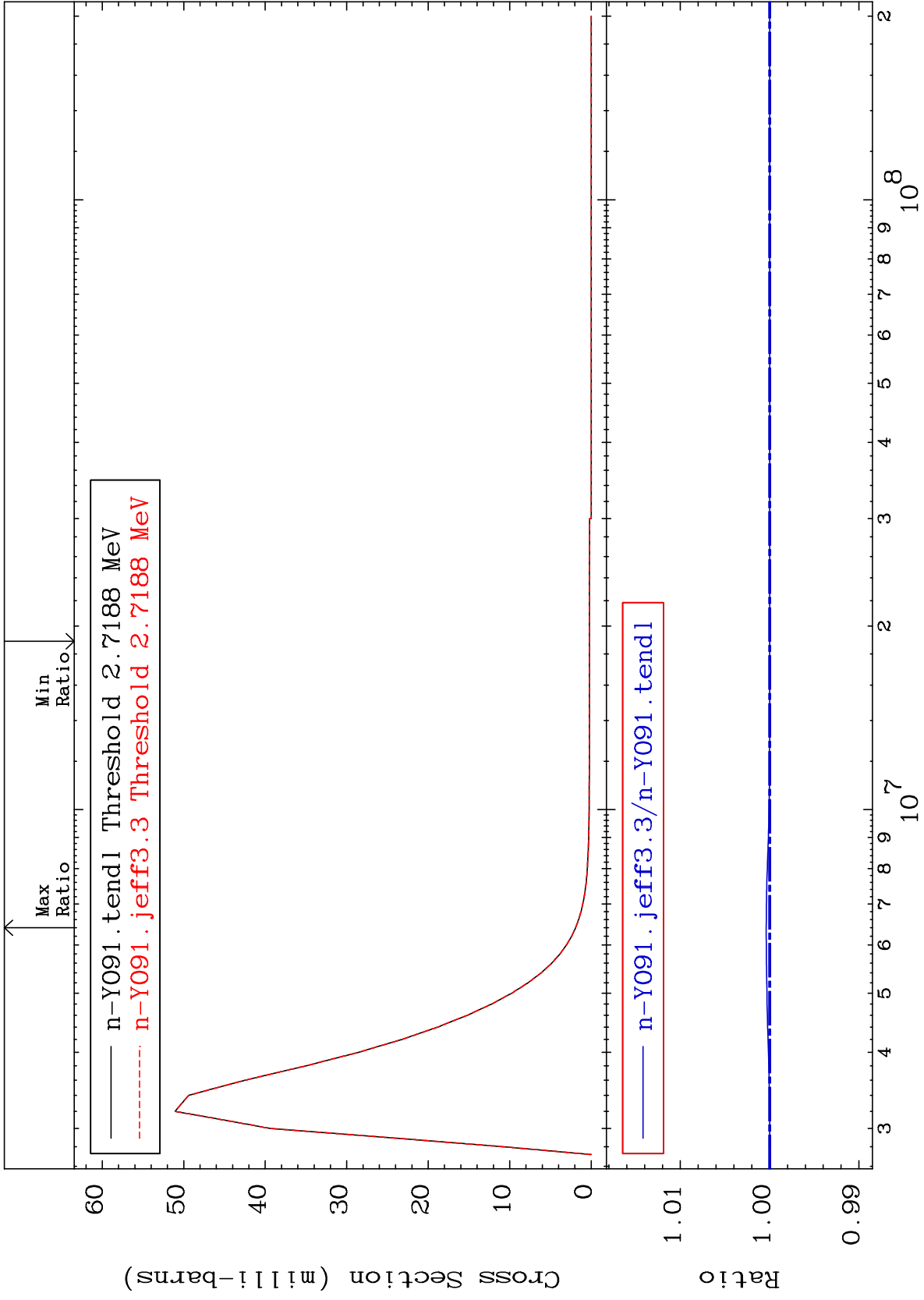
Incident Energy (eV)

39-Y -91

MAT 3931

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

39-Y -91
0.000 To 0.038 %



41

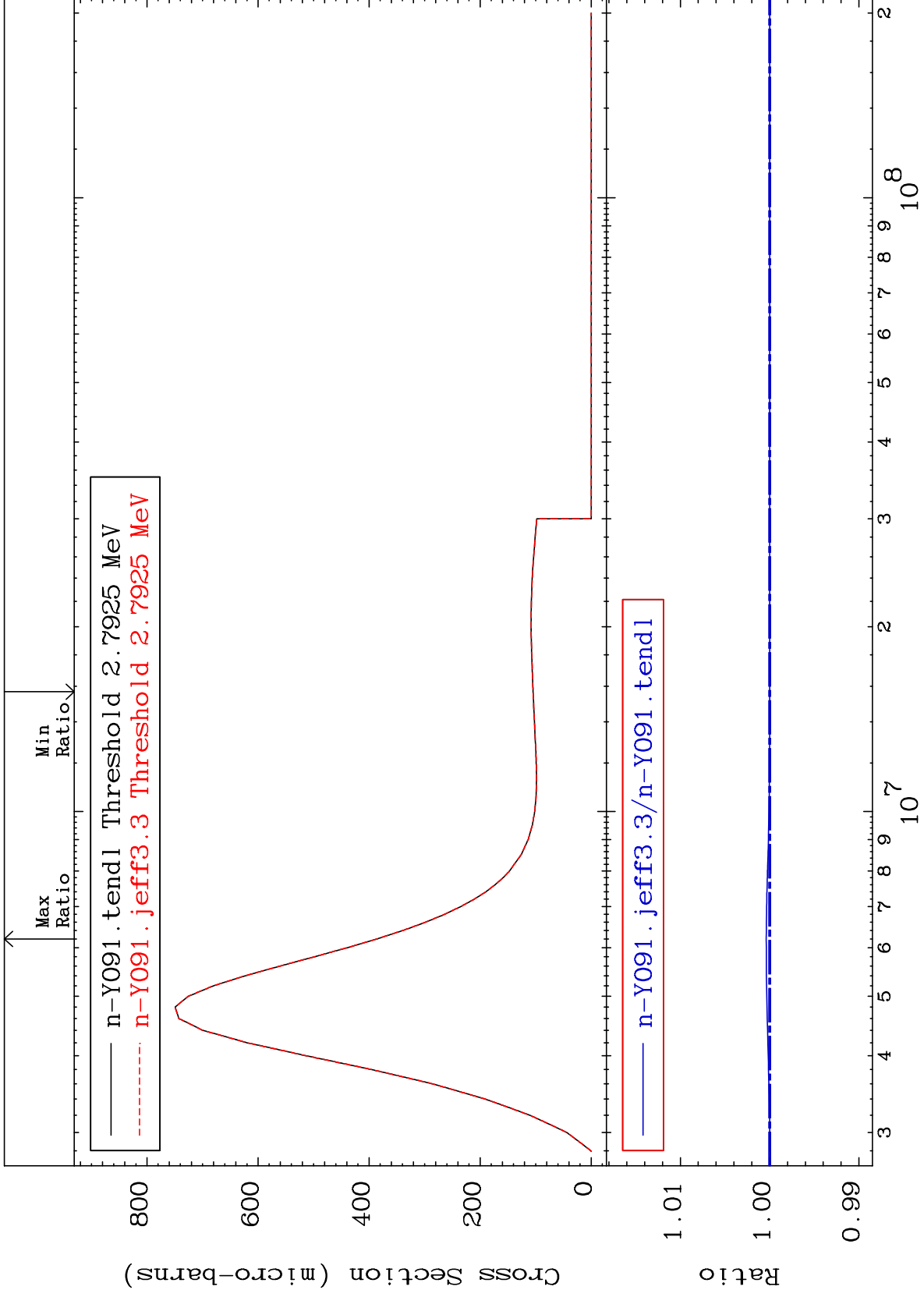
Incident Energy (eV)

39-Y -91

MAT 3931

MT= 75 (n,n') Level
Cross Section

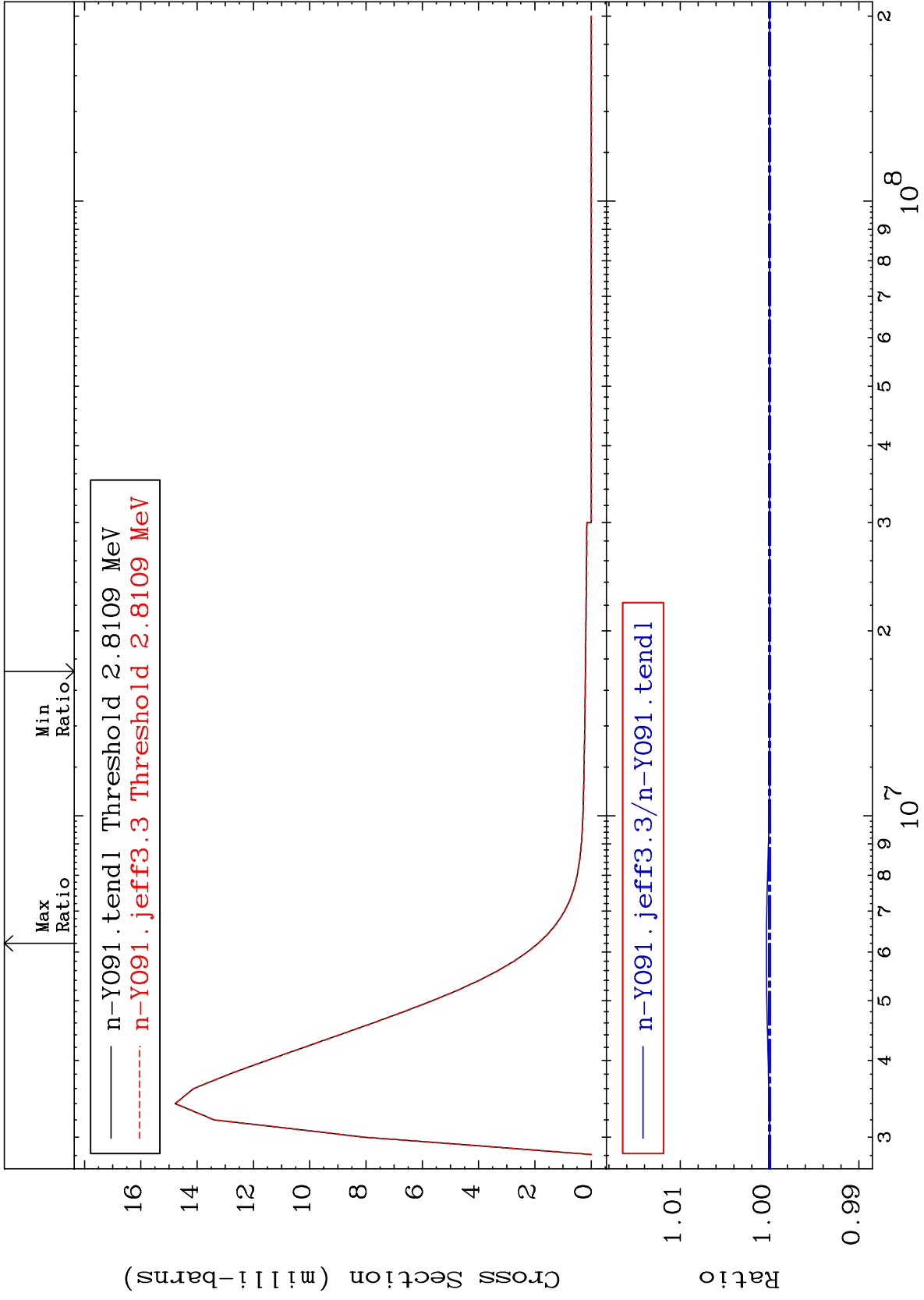
39-Y -91
0.000 To 0.039 %



MAT 3931

MT= 76 (n,n') Level
Cross Section

39-Y -91
0.000 To 0.037 %



43

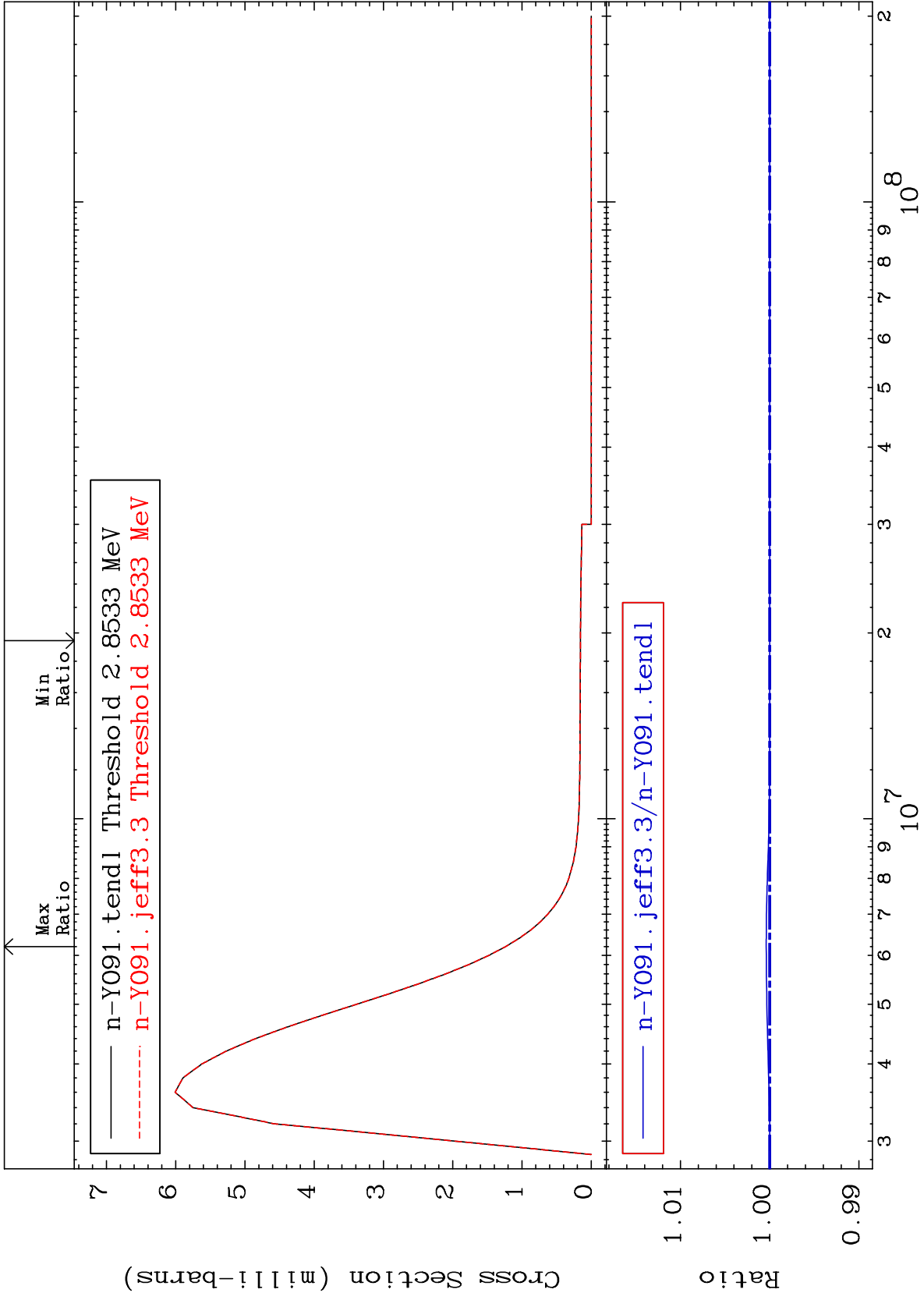
Incident Energy (eV)

39-Y -91

MAT 3931

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

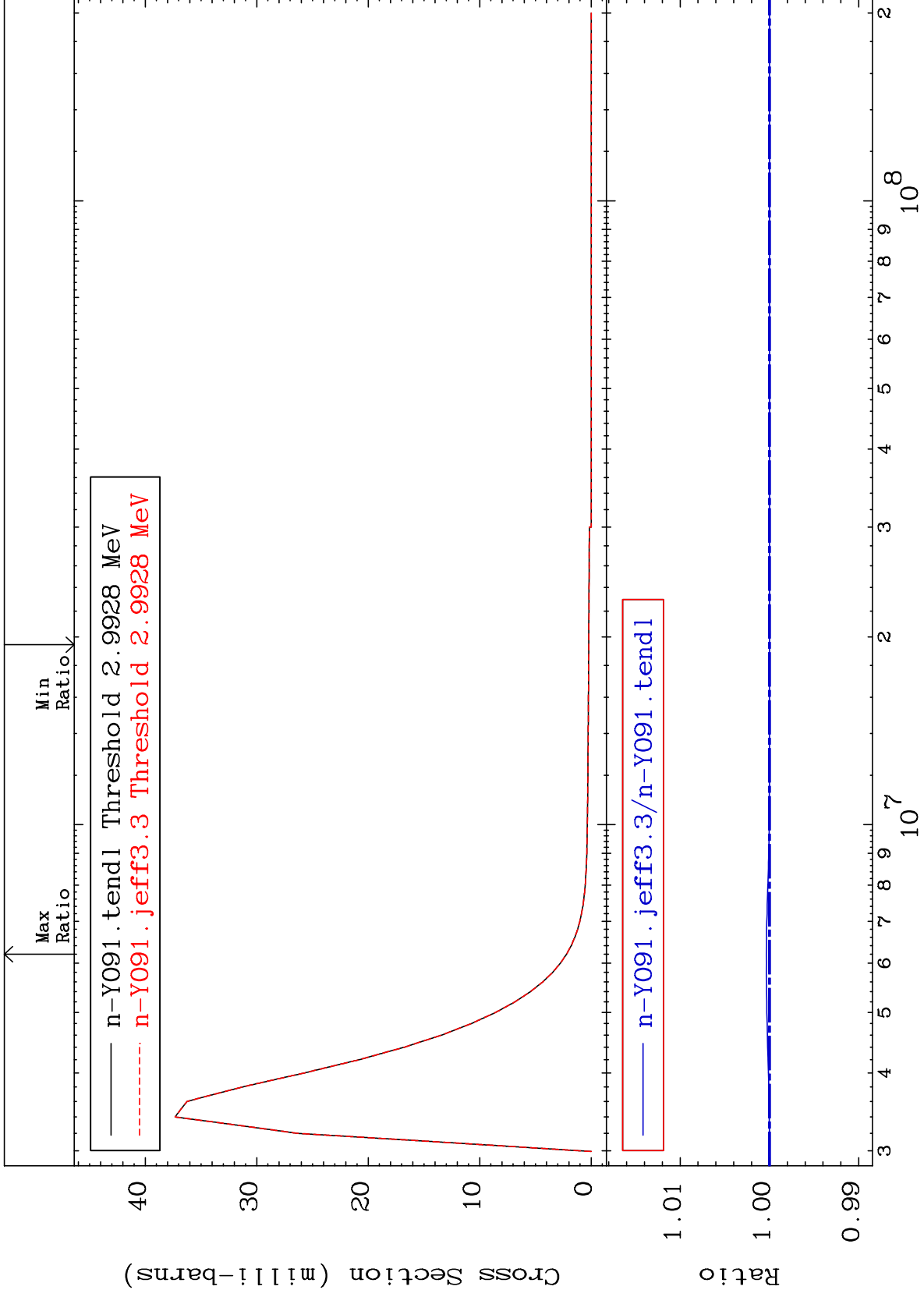
39-Y -91
0.000 To 0.040 %



MAT 3931

MT= 78 (n,n') Level
Cross Section

39-Y -91
0.000 To 0.034 %



45

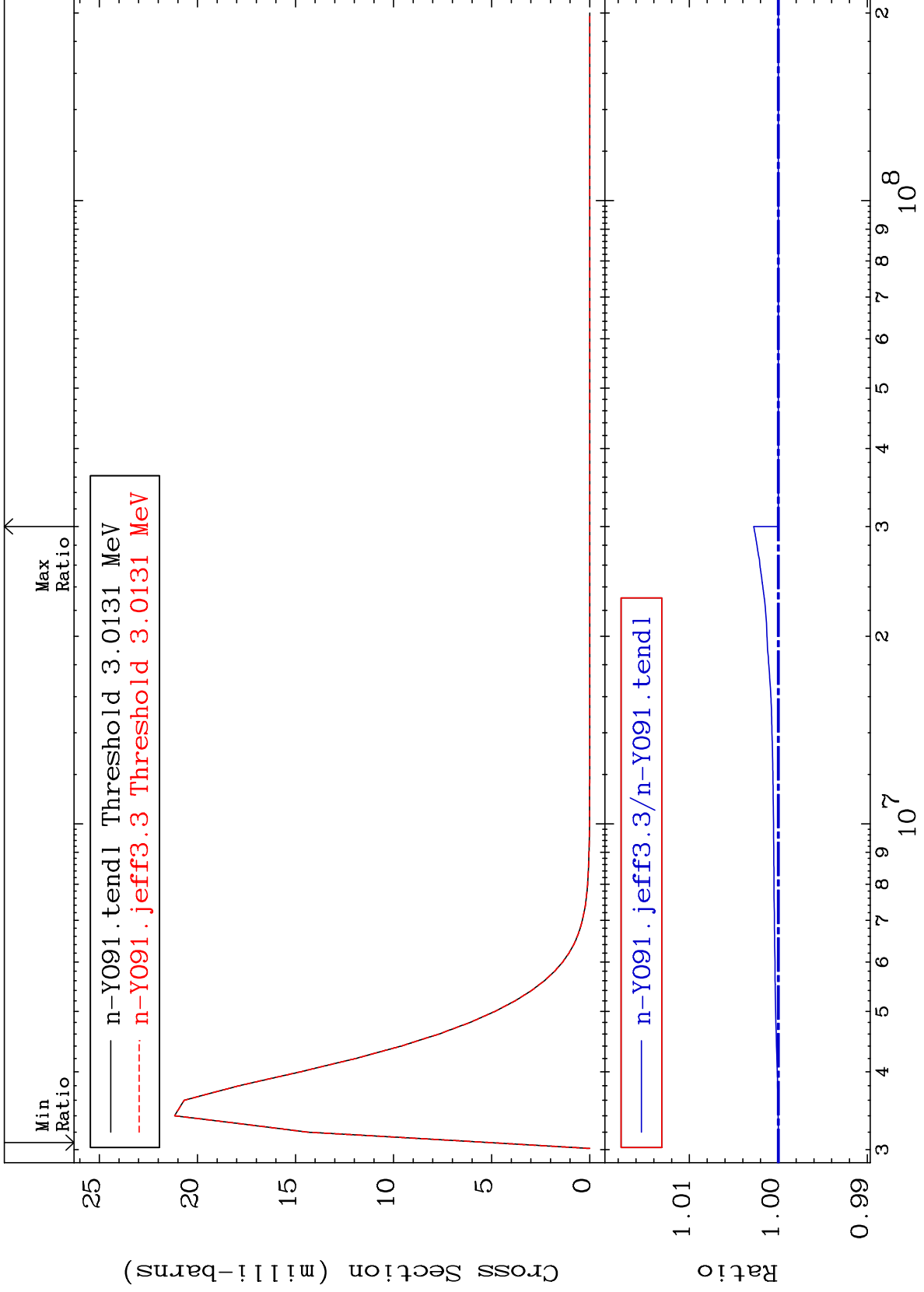
Incident Energy (eV)

39-Y -91

MAT 3931

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

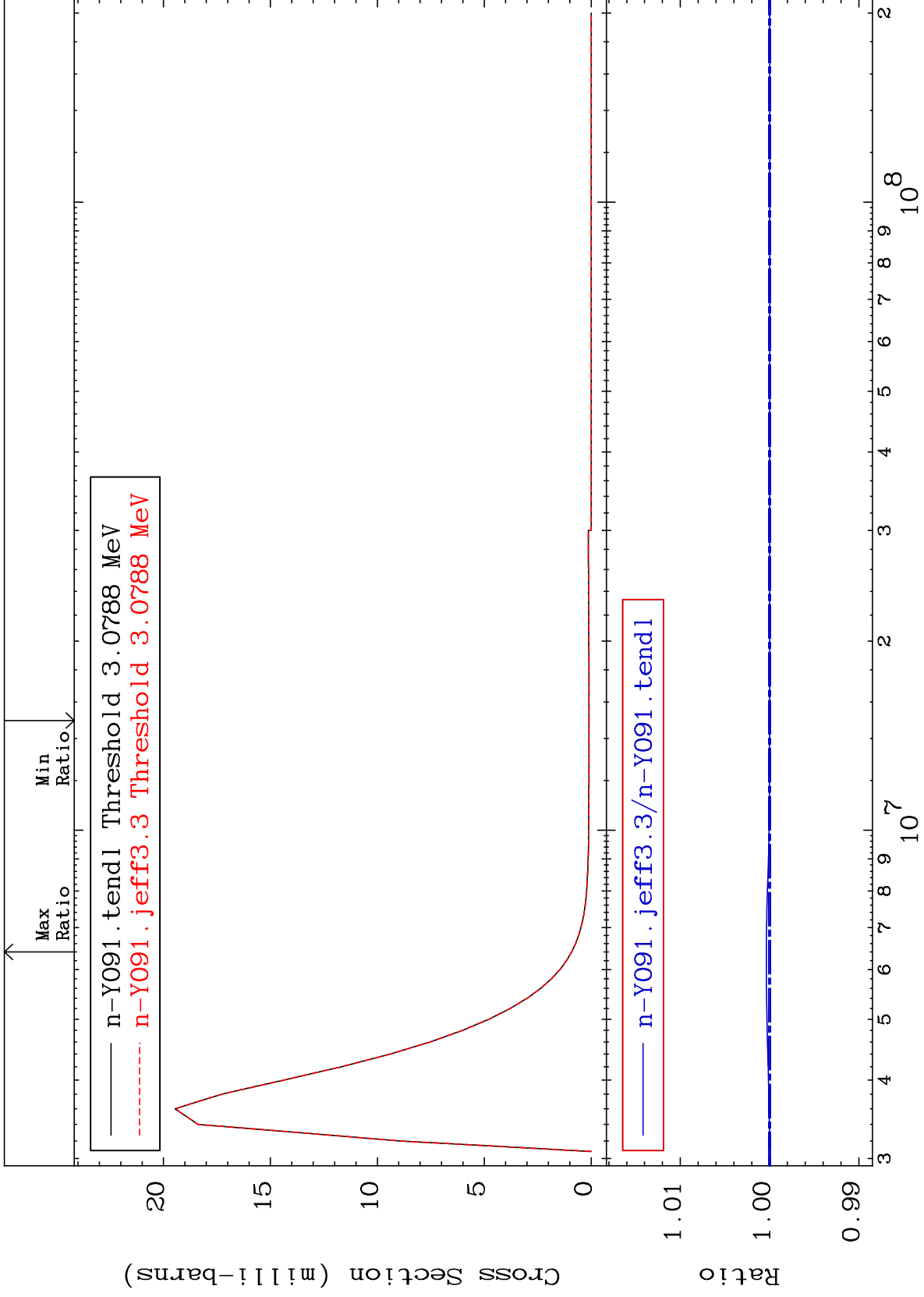
39-Y -91
0.000 To 0.277 %



MAT 3931

MT= 80 (n,n') Level
Cross Section

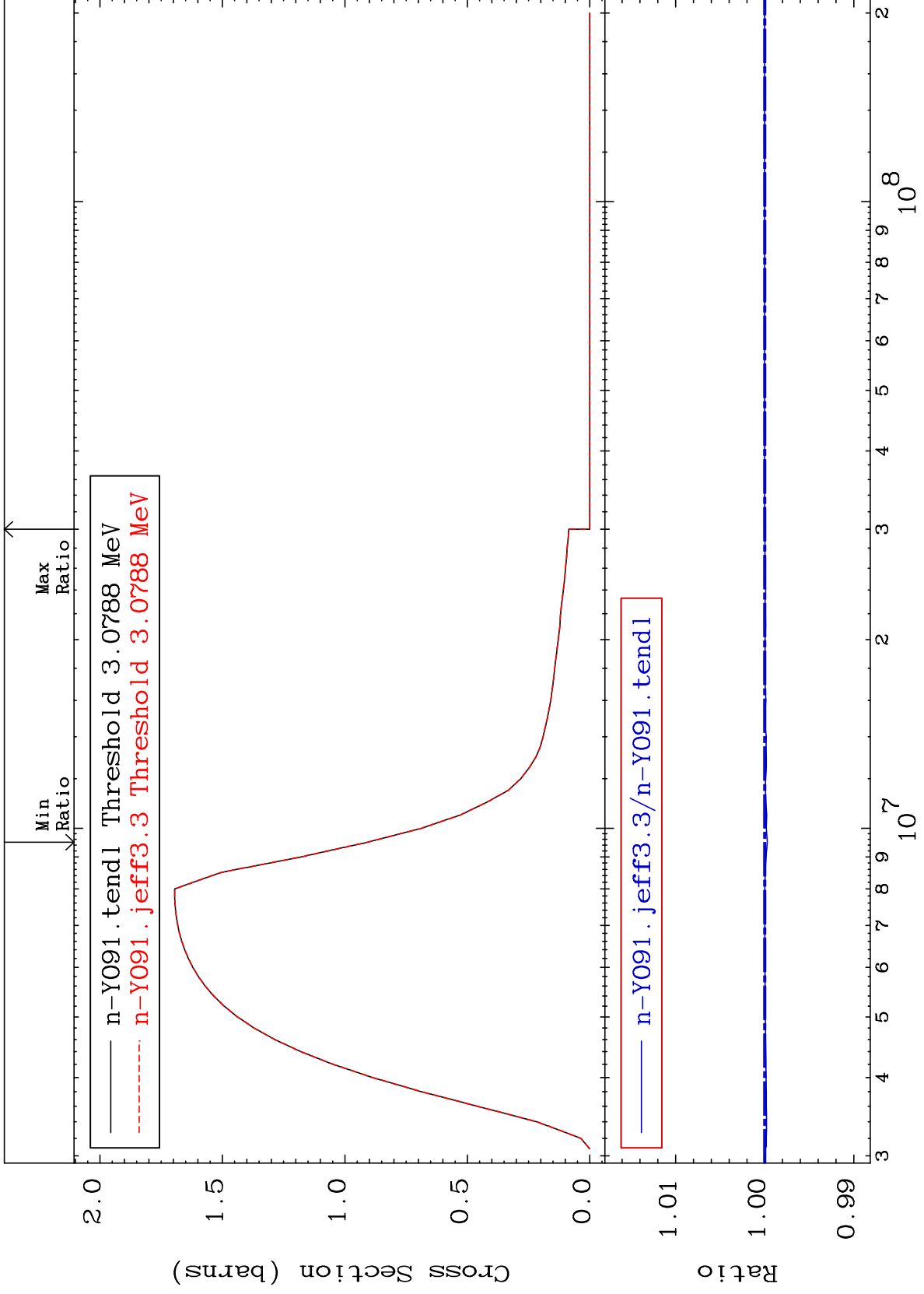
39-Y -91
0.000 To 0.037 %

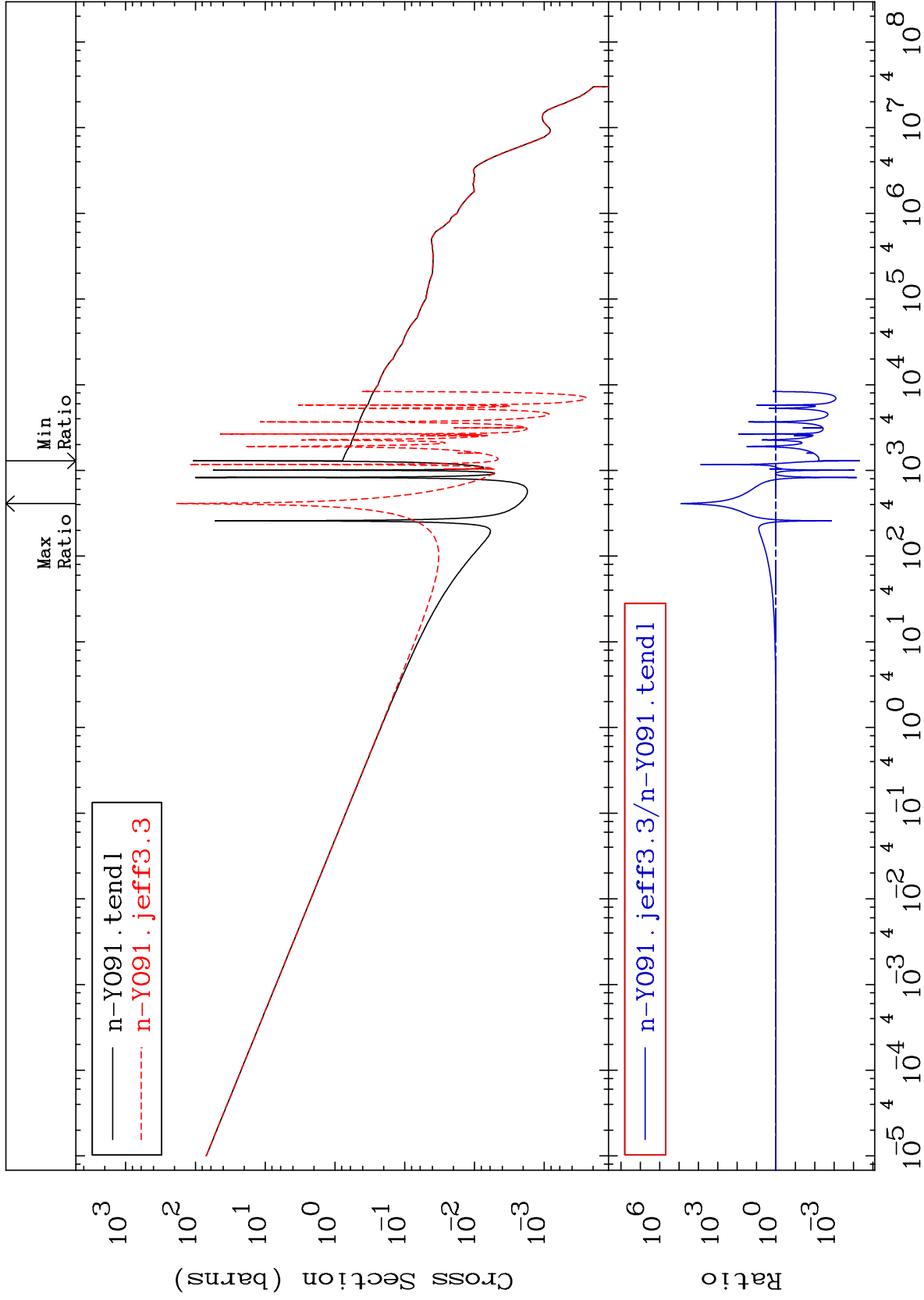


47

Incident Energy (eV)

39-Y -91





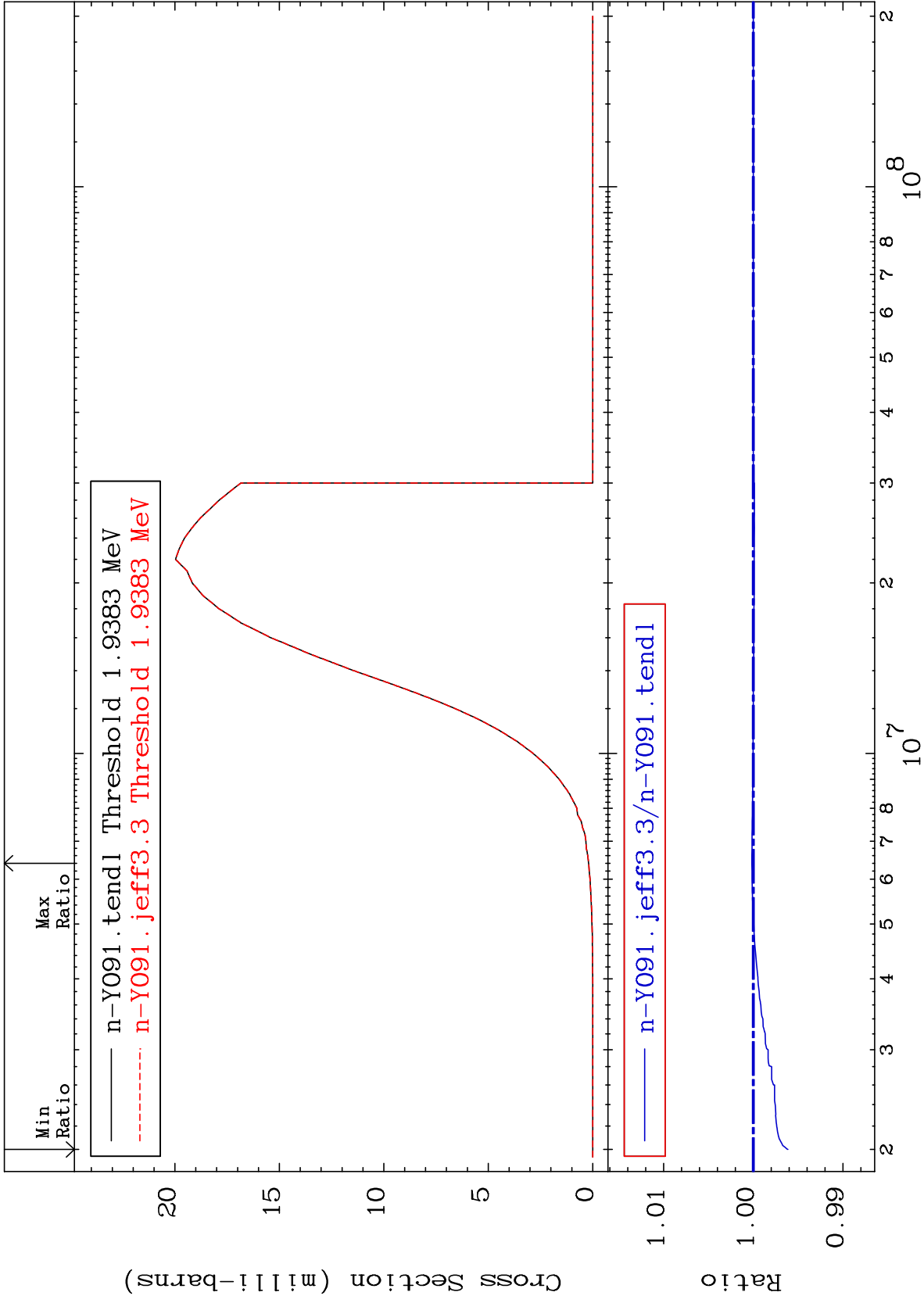
MAT 3931

(n,p)

39-Y -91

Cross Section

-0.385 To 0.015 %



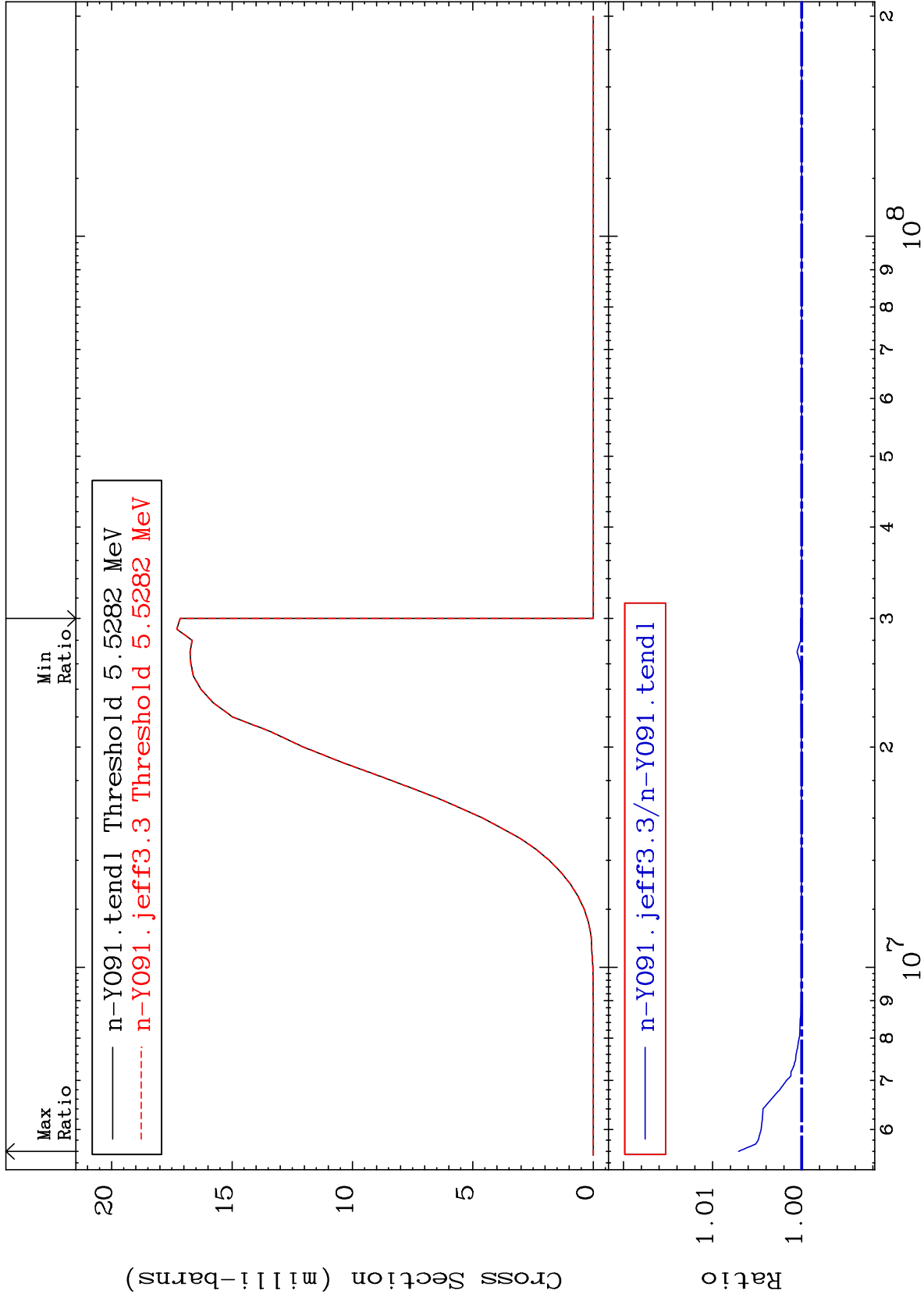
50

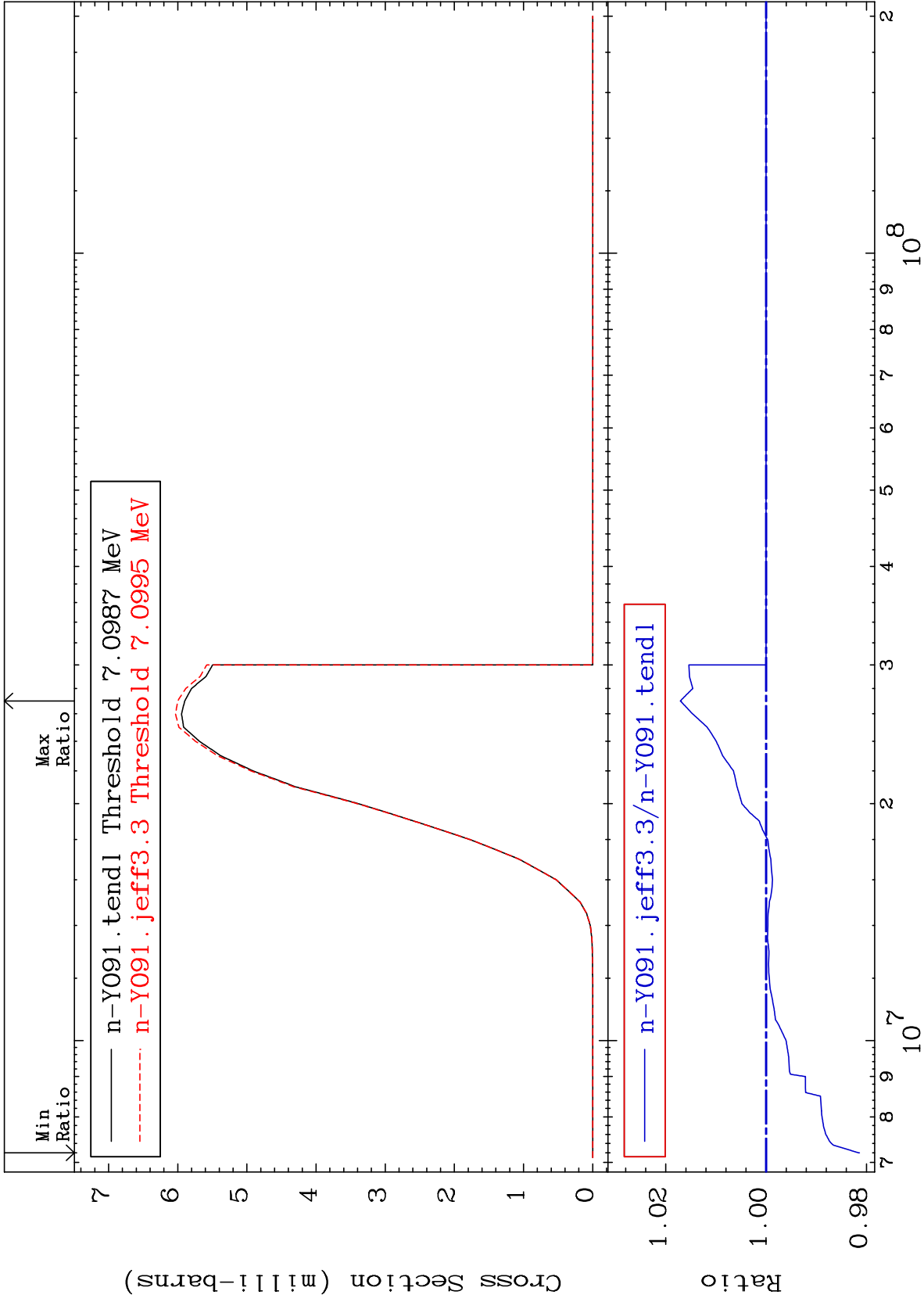
Incident Energy (eV)

39-Y -91

Cross Section

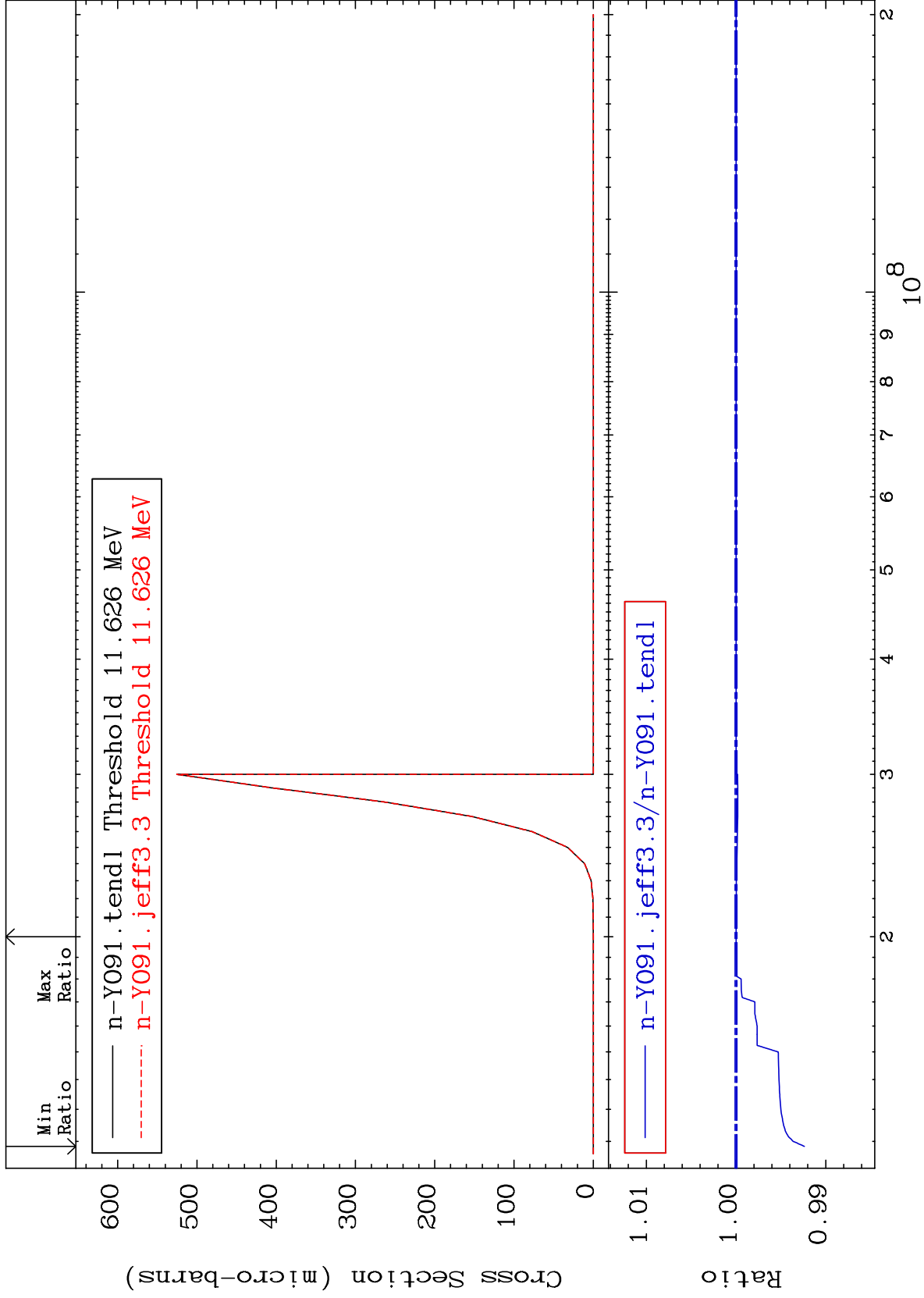
To 0.708 %



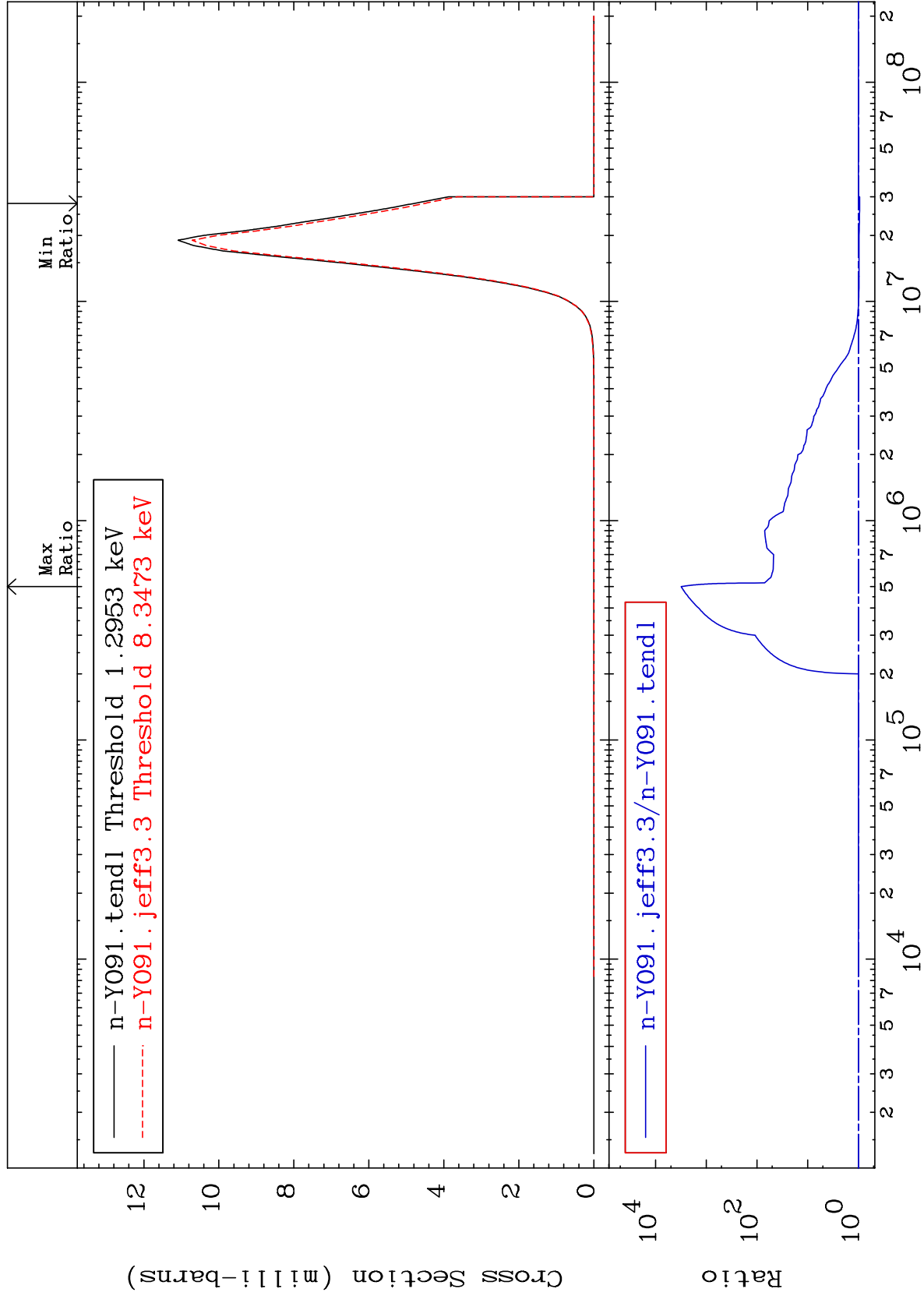


Cross Section

-0.761 To 0.000 %

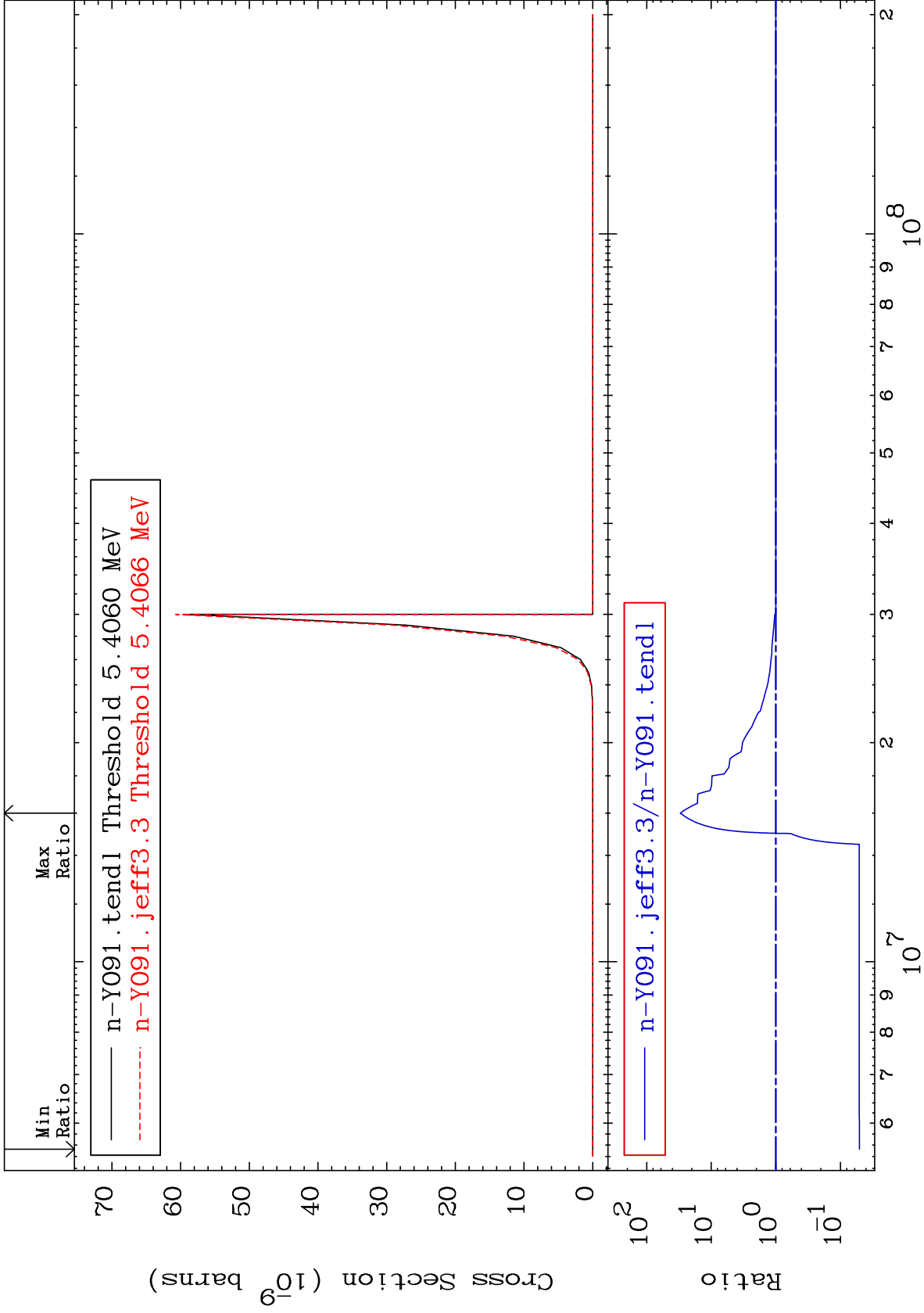


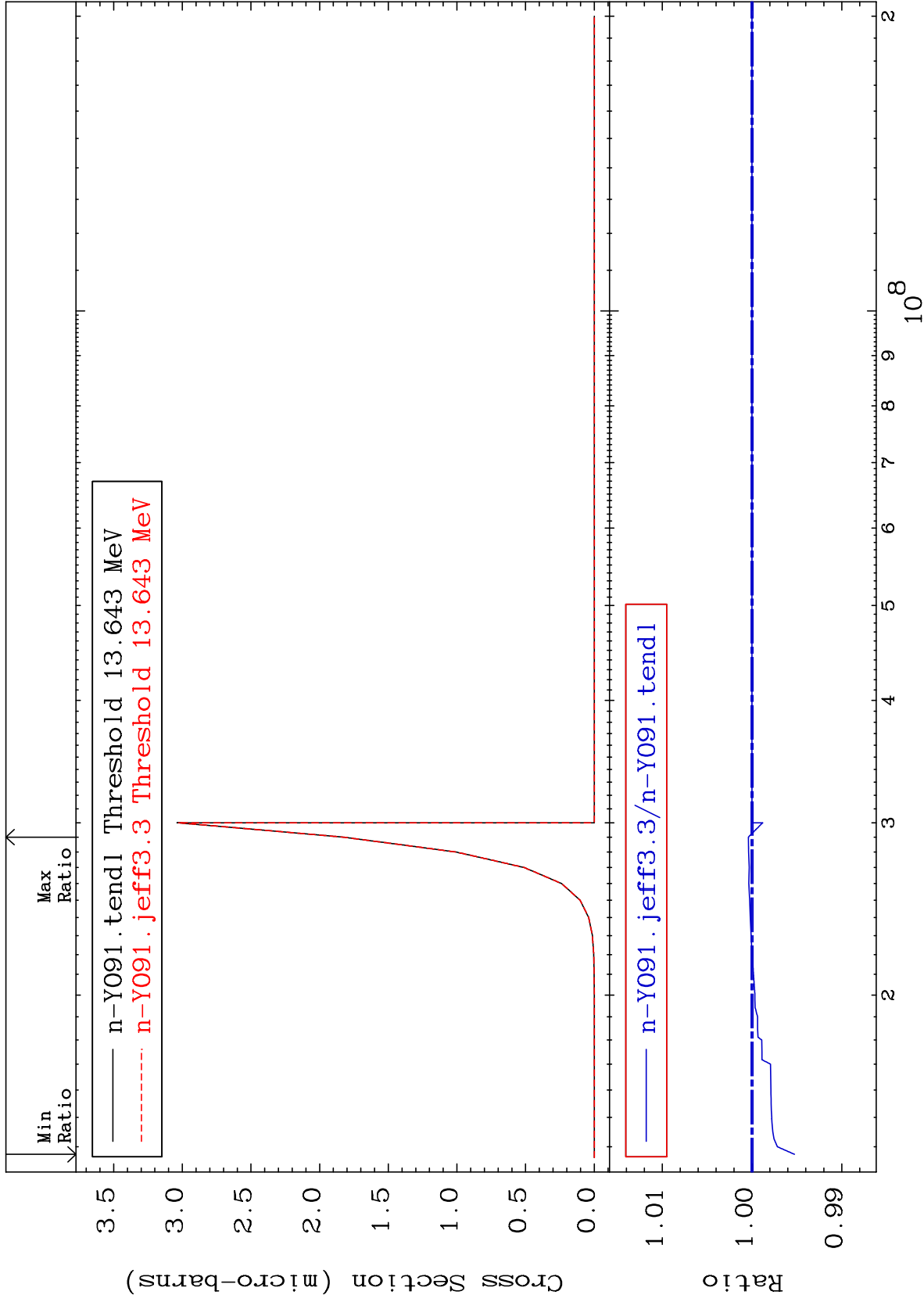
(n, α)
Cross Section
-5.895 To 9999. %



Cross Section

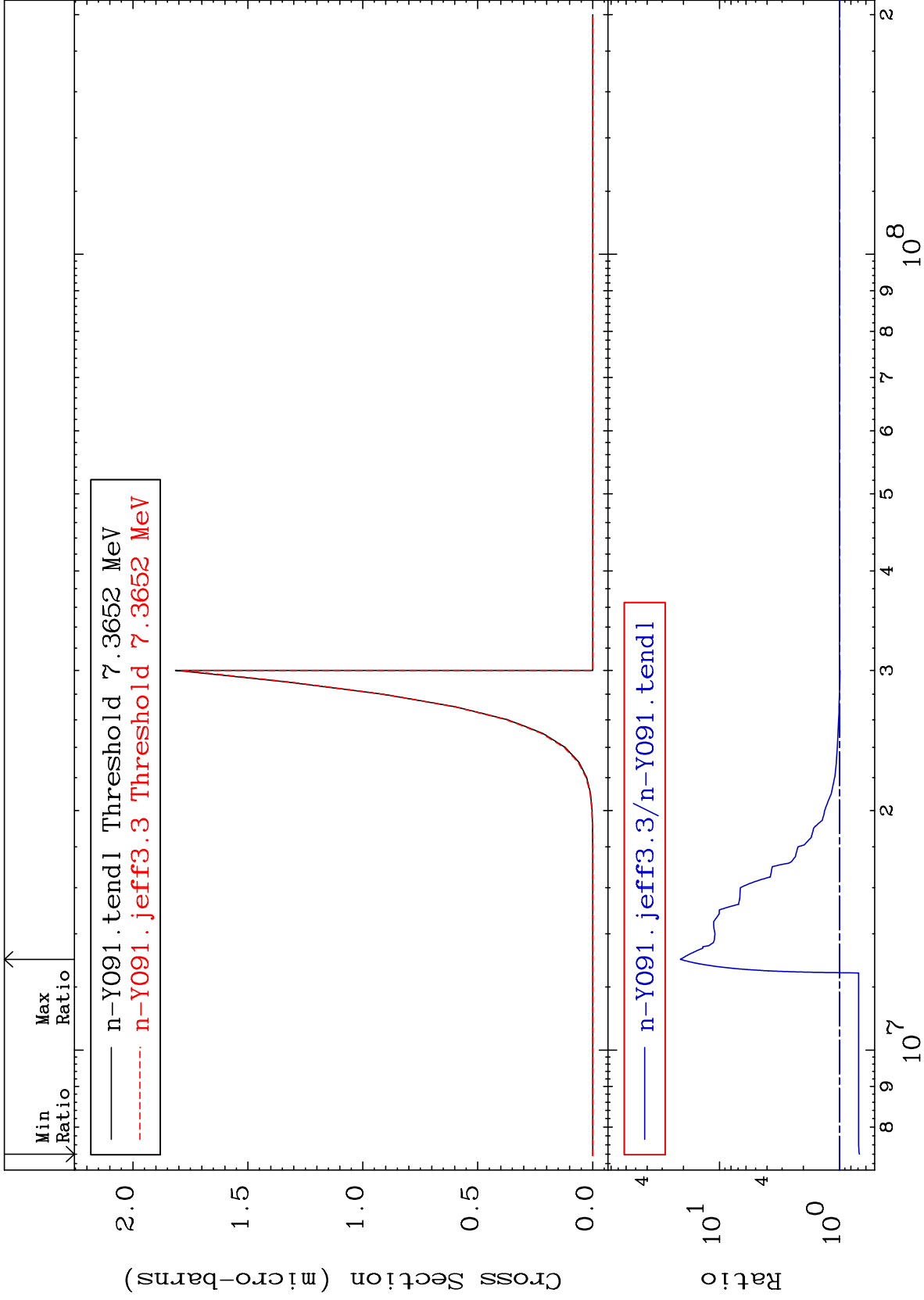
-94.93 To 2911. %

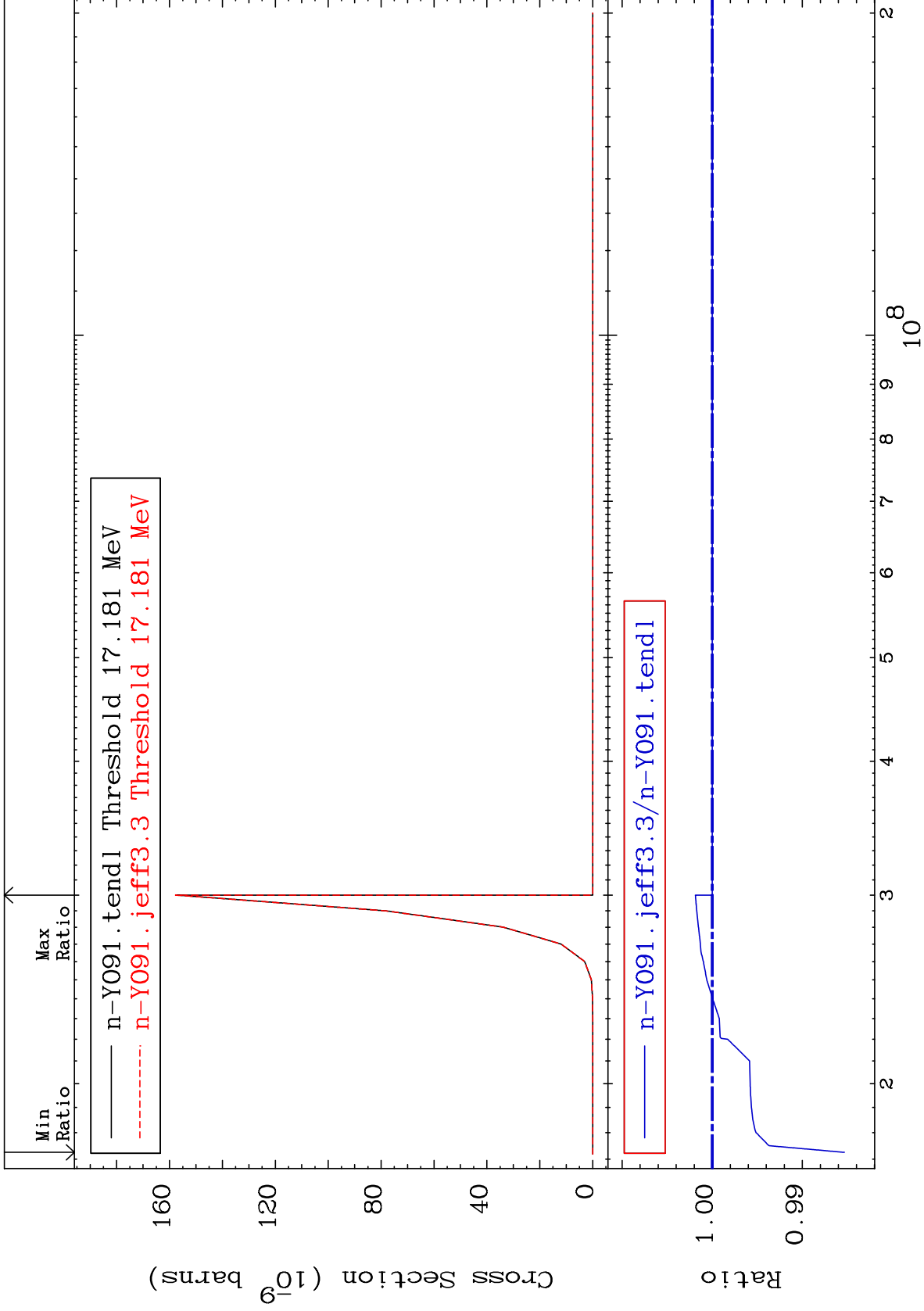




Cross Section

-32.01 To 2018. %





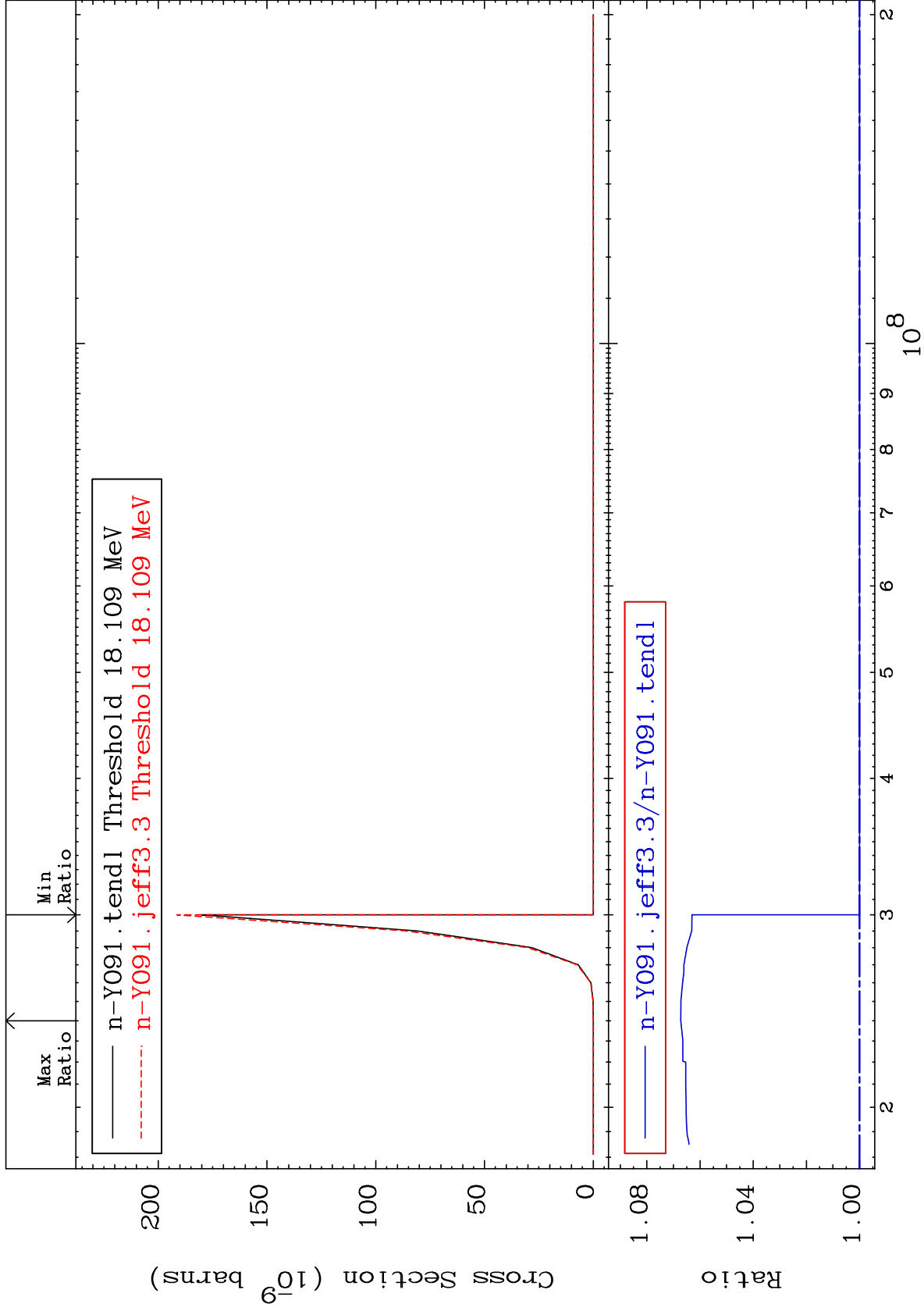
MAT 3931

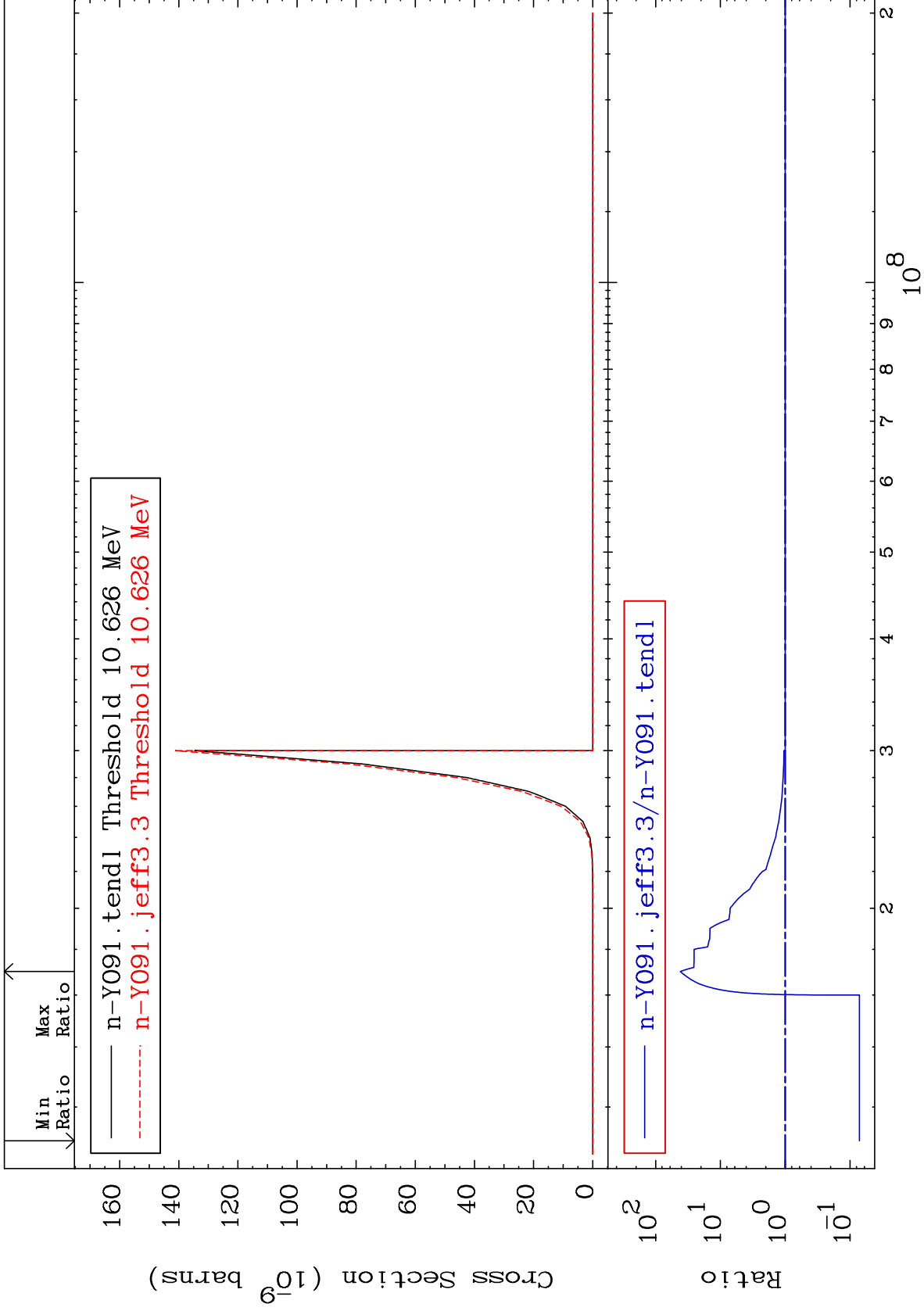
(n,p) t

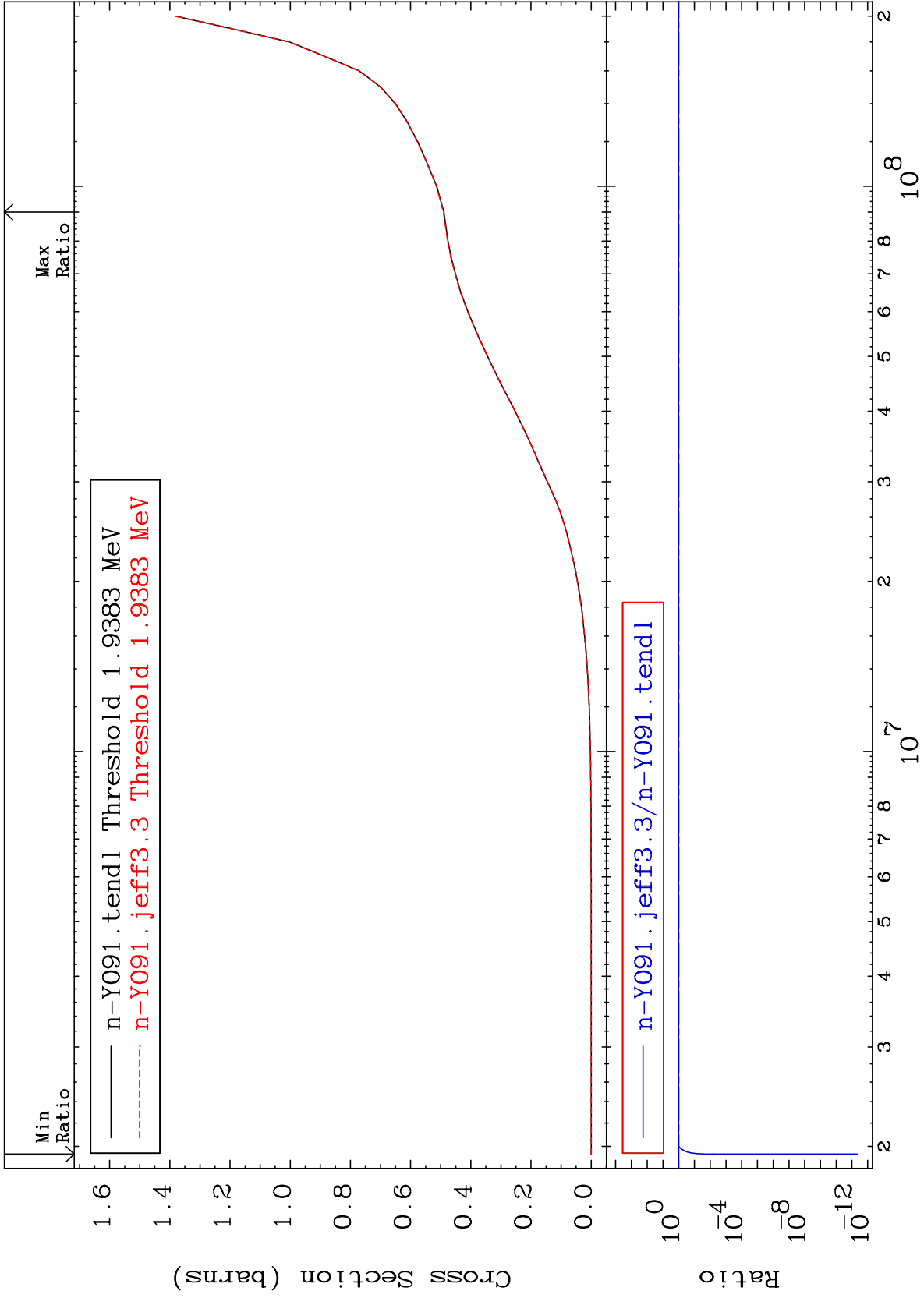
39-Y -91

Cross Section

0.000 To 6.724 %



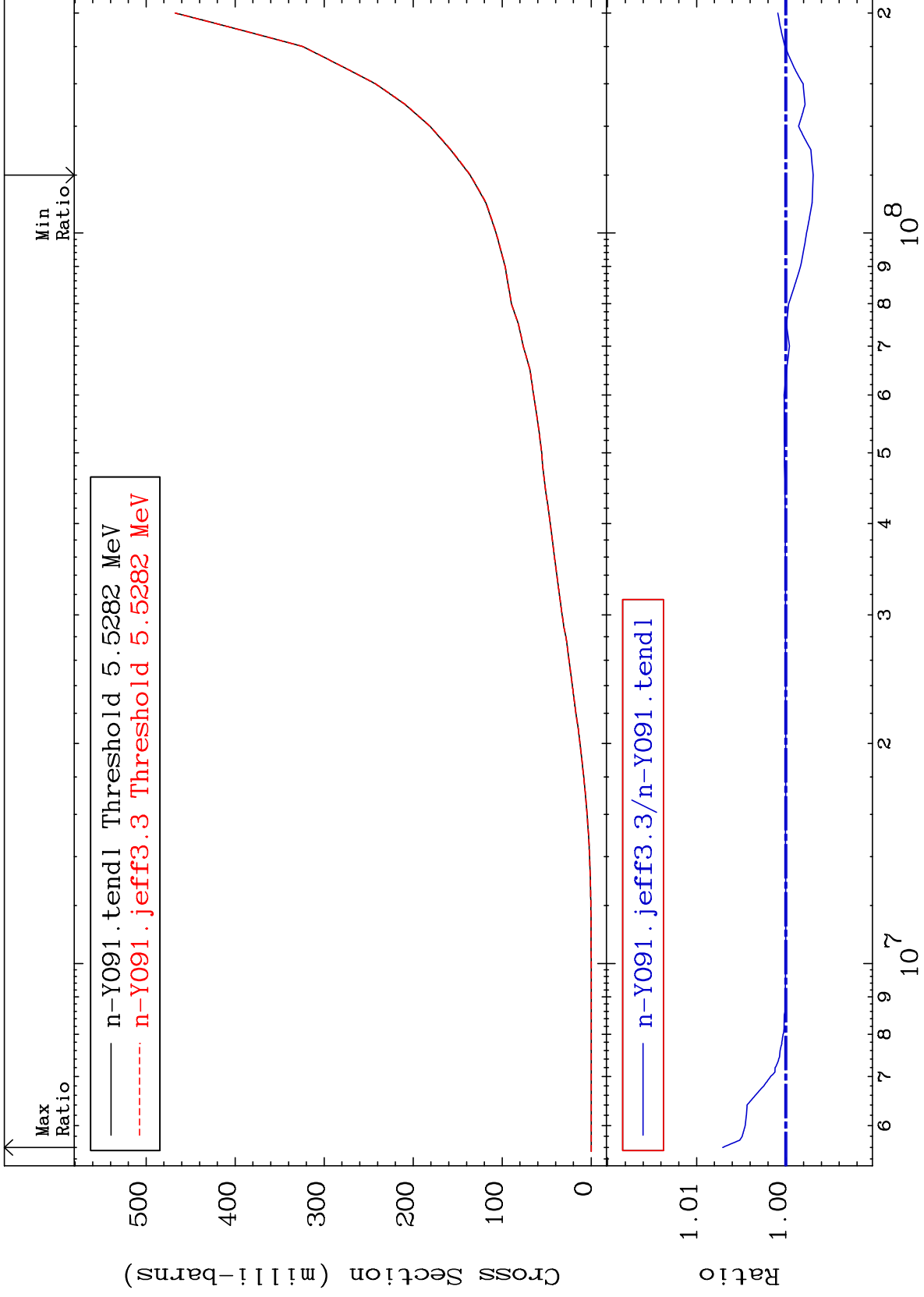




MAT 3931

Deuterium Production Cross Section

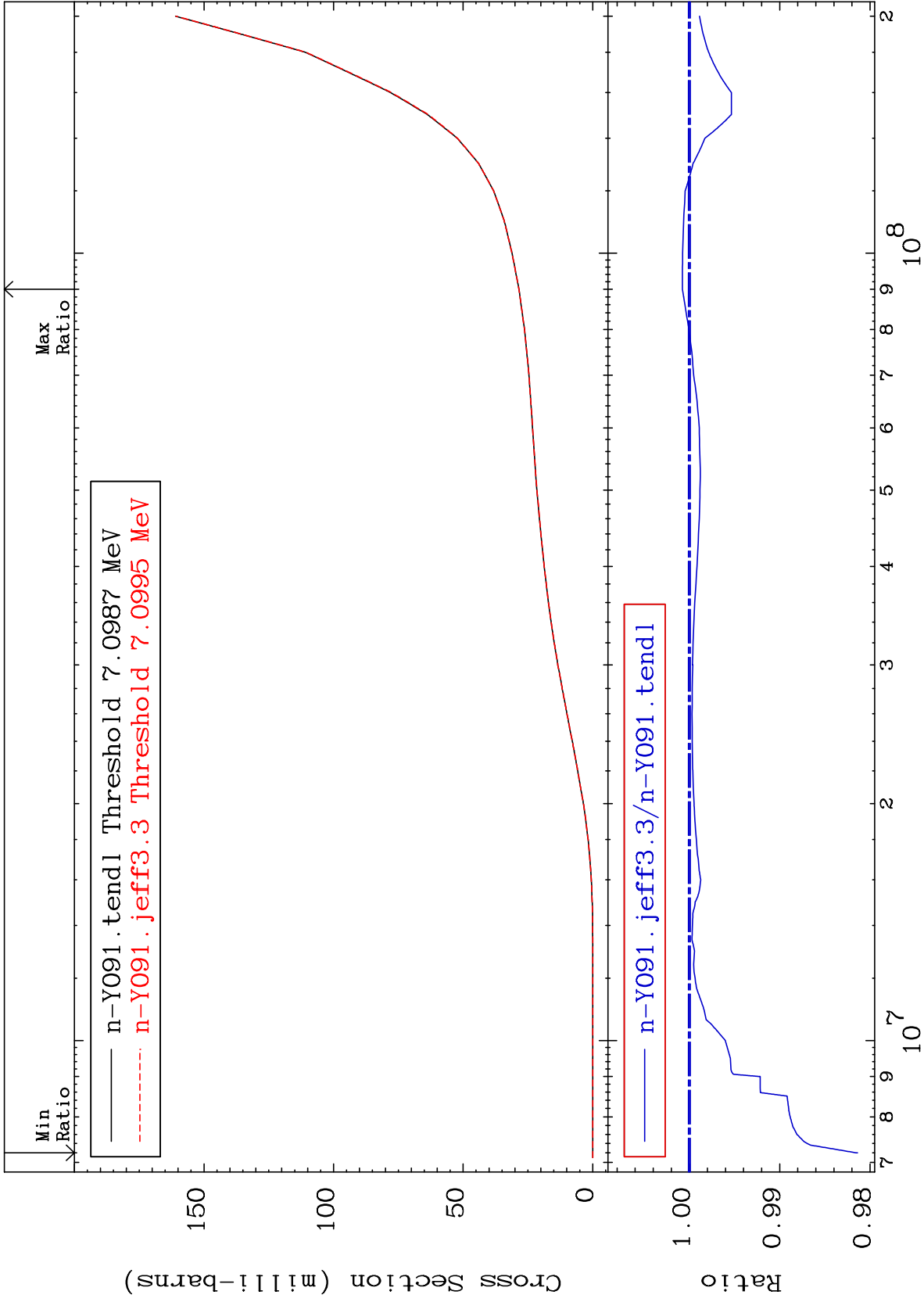
39-Y -91
-0.308 To 0.708 %



MAT 3931

Tritium Production
Cross Section

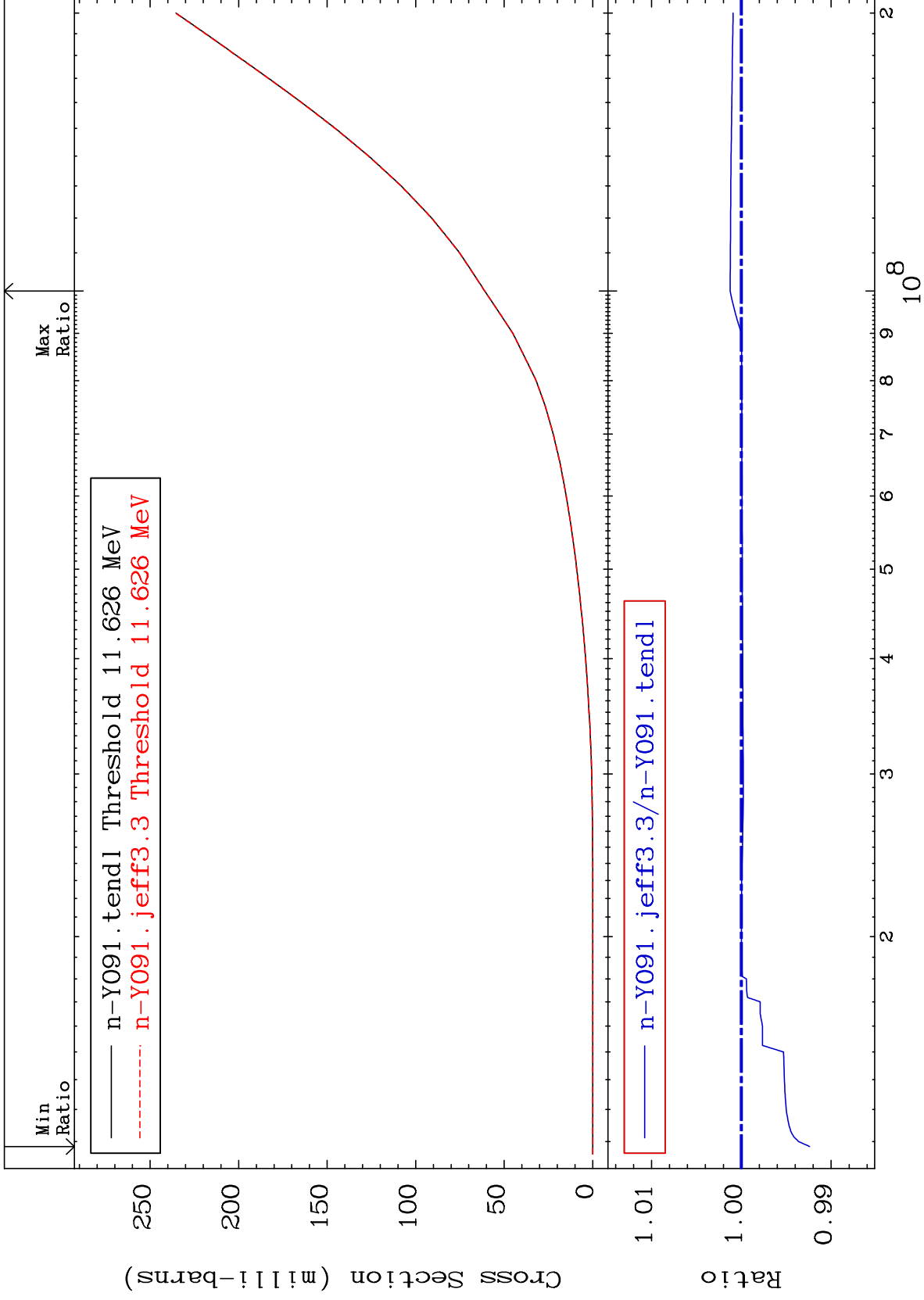
39-Y -91
-1.861 To 0.078 %

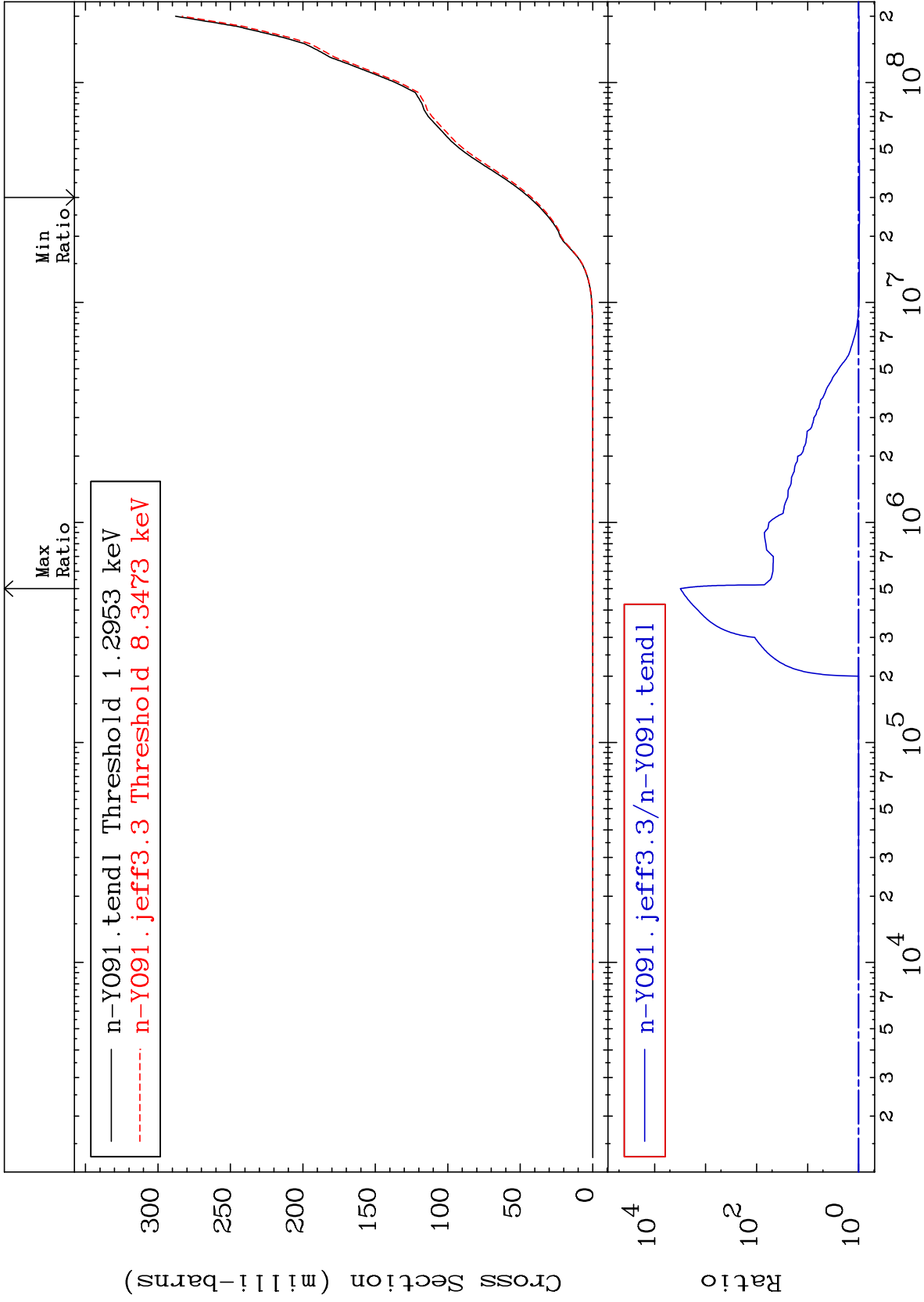


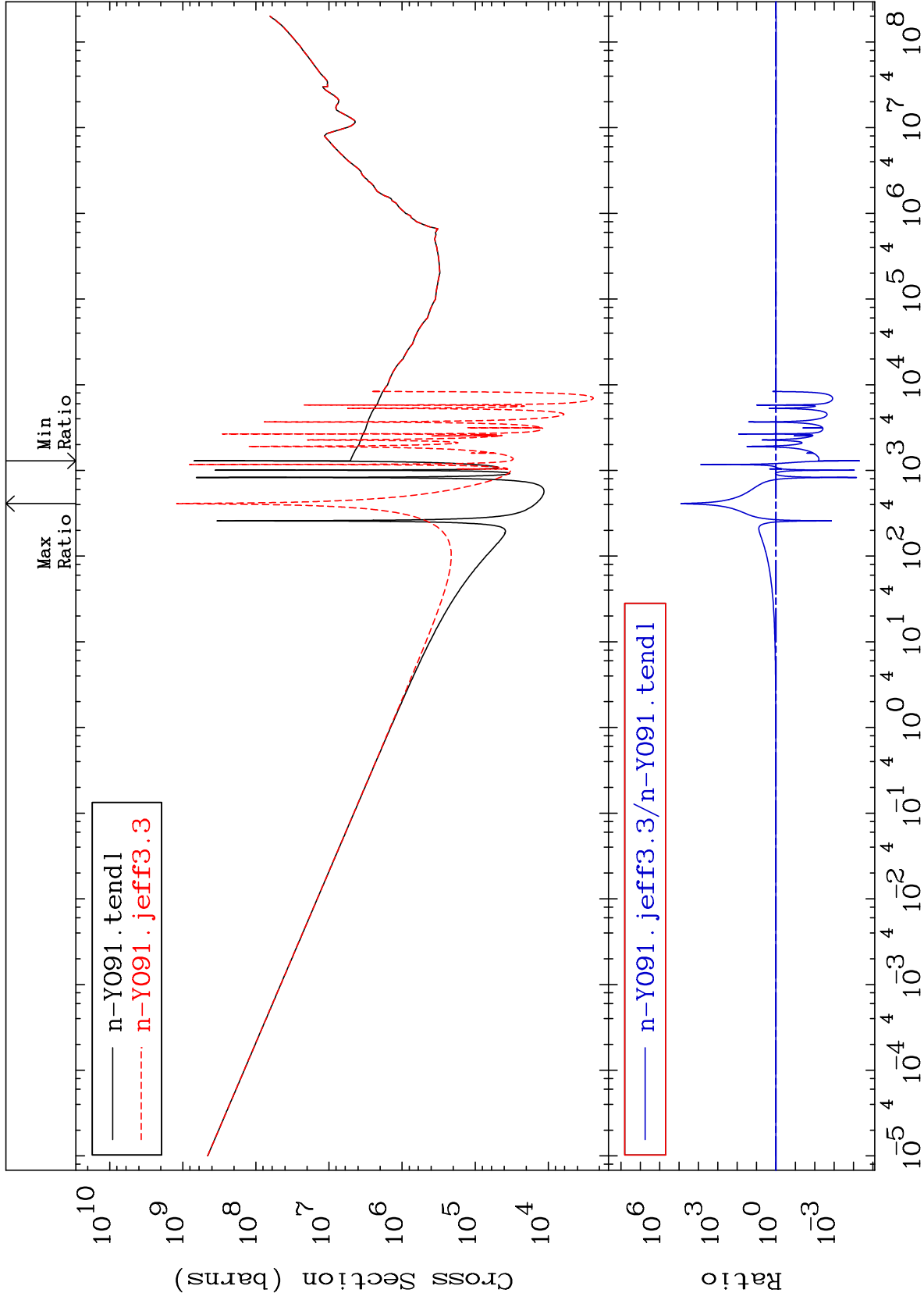
63

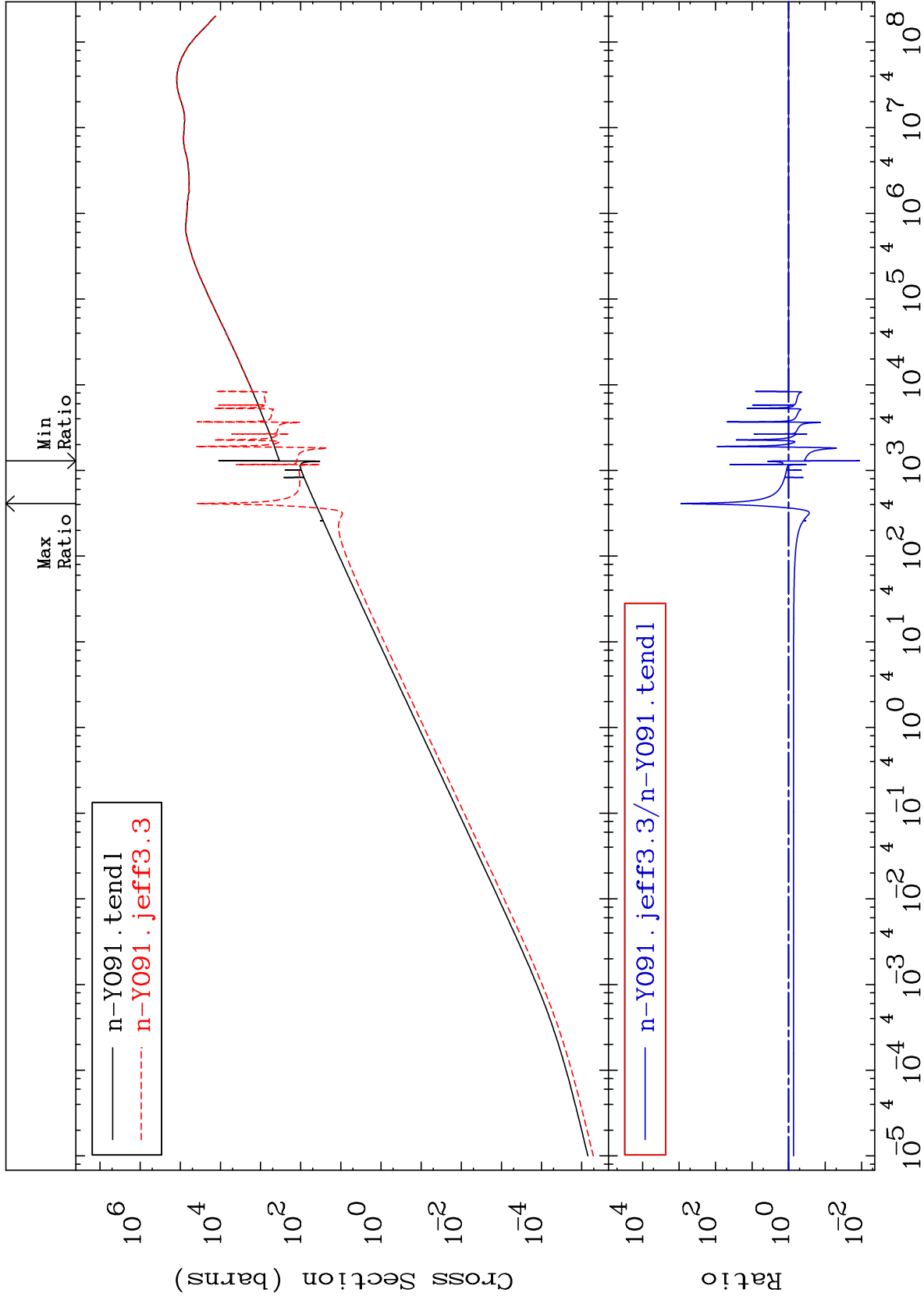
Incident Energy (eV)

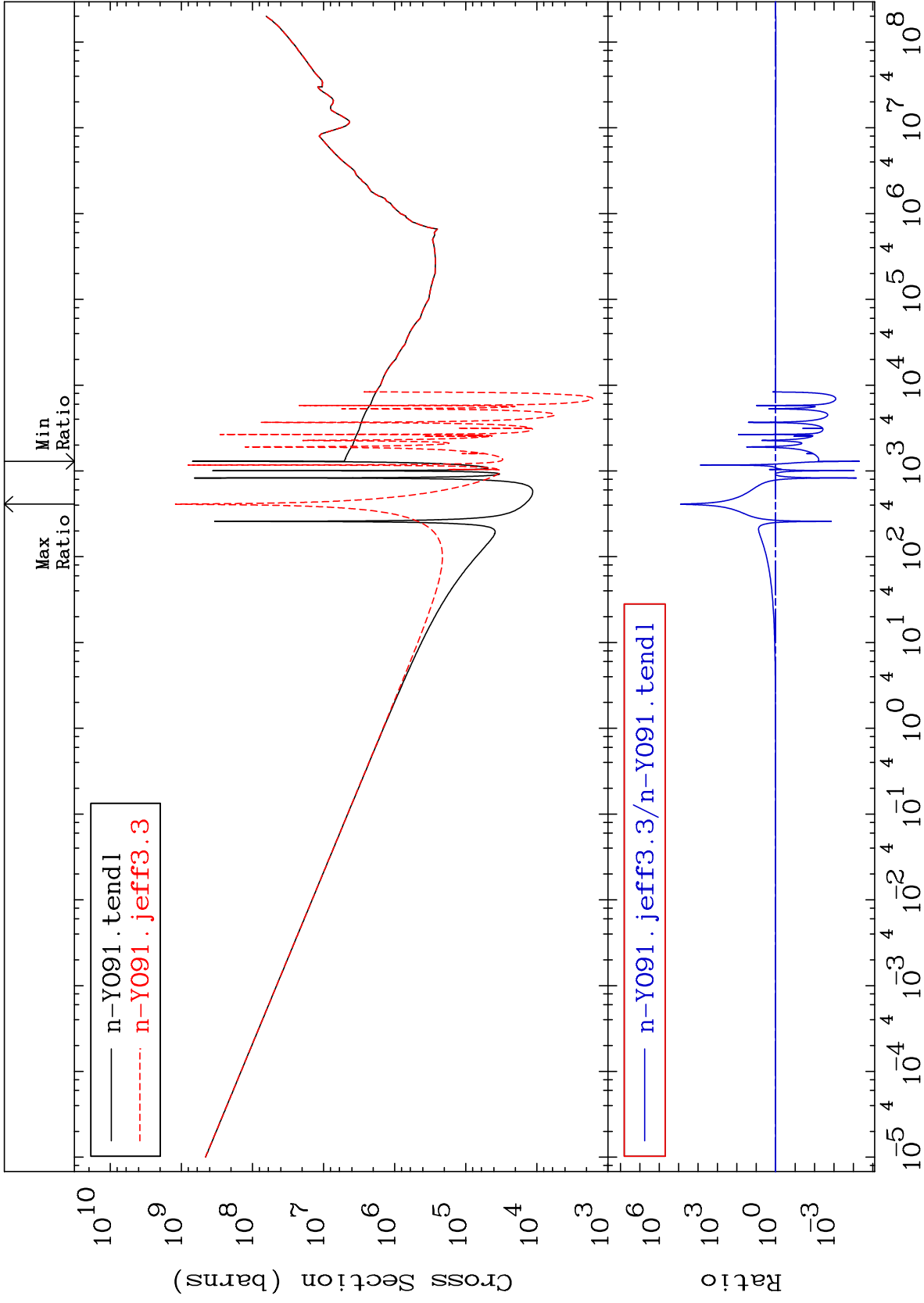
39-Y -91

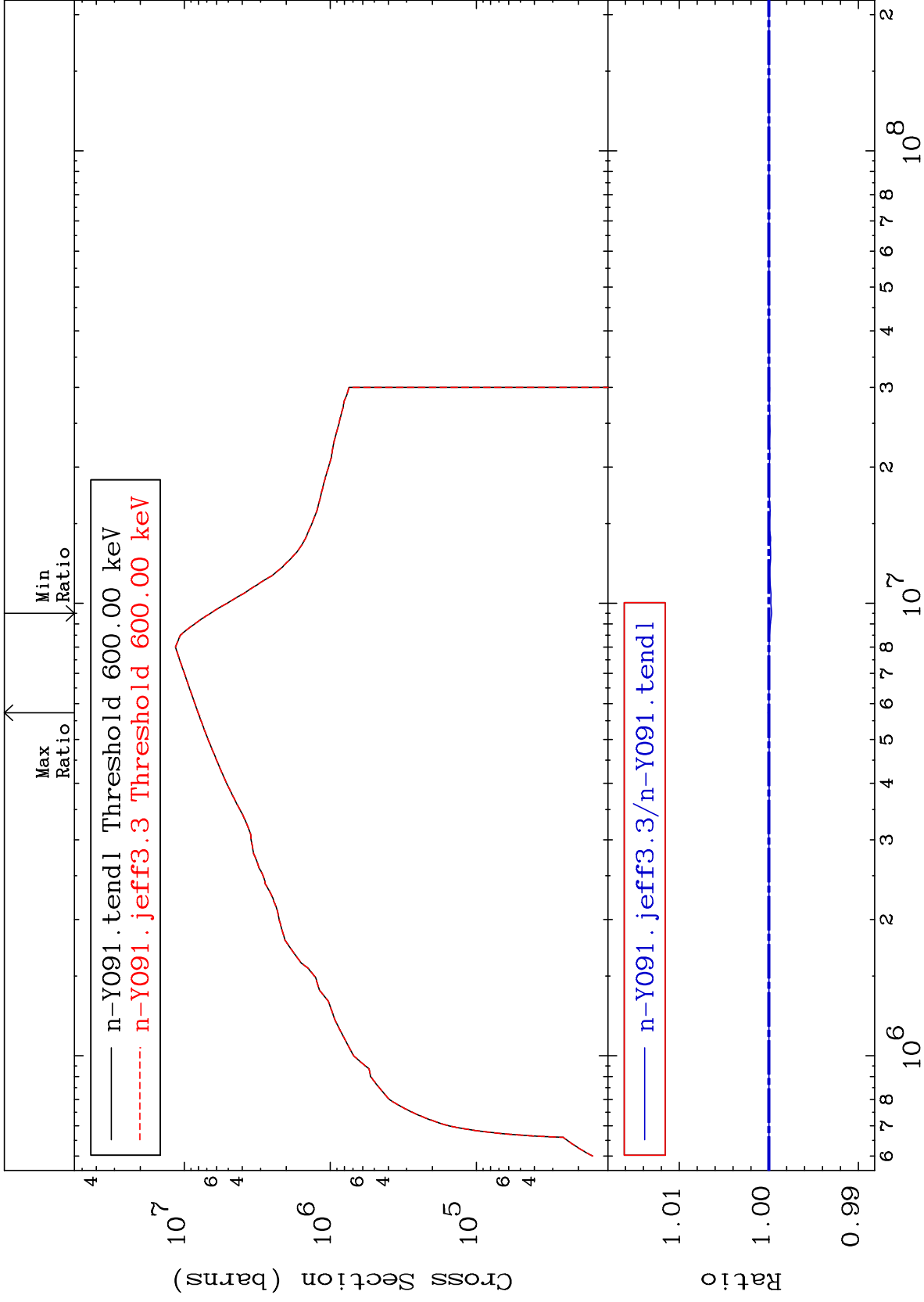


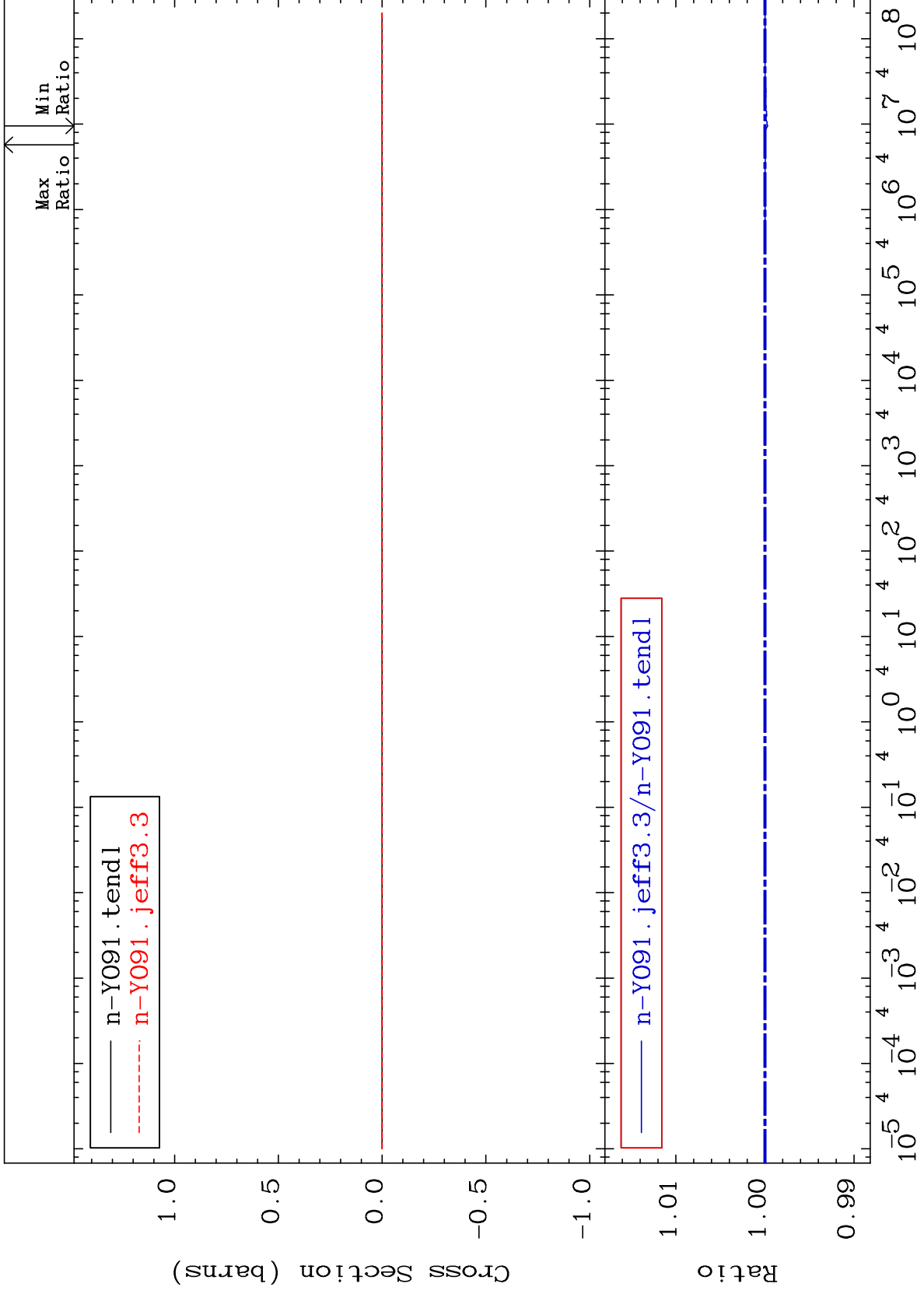


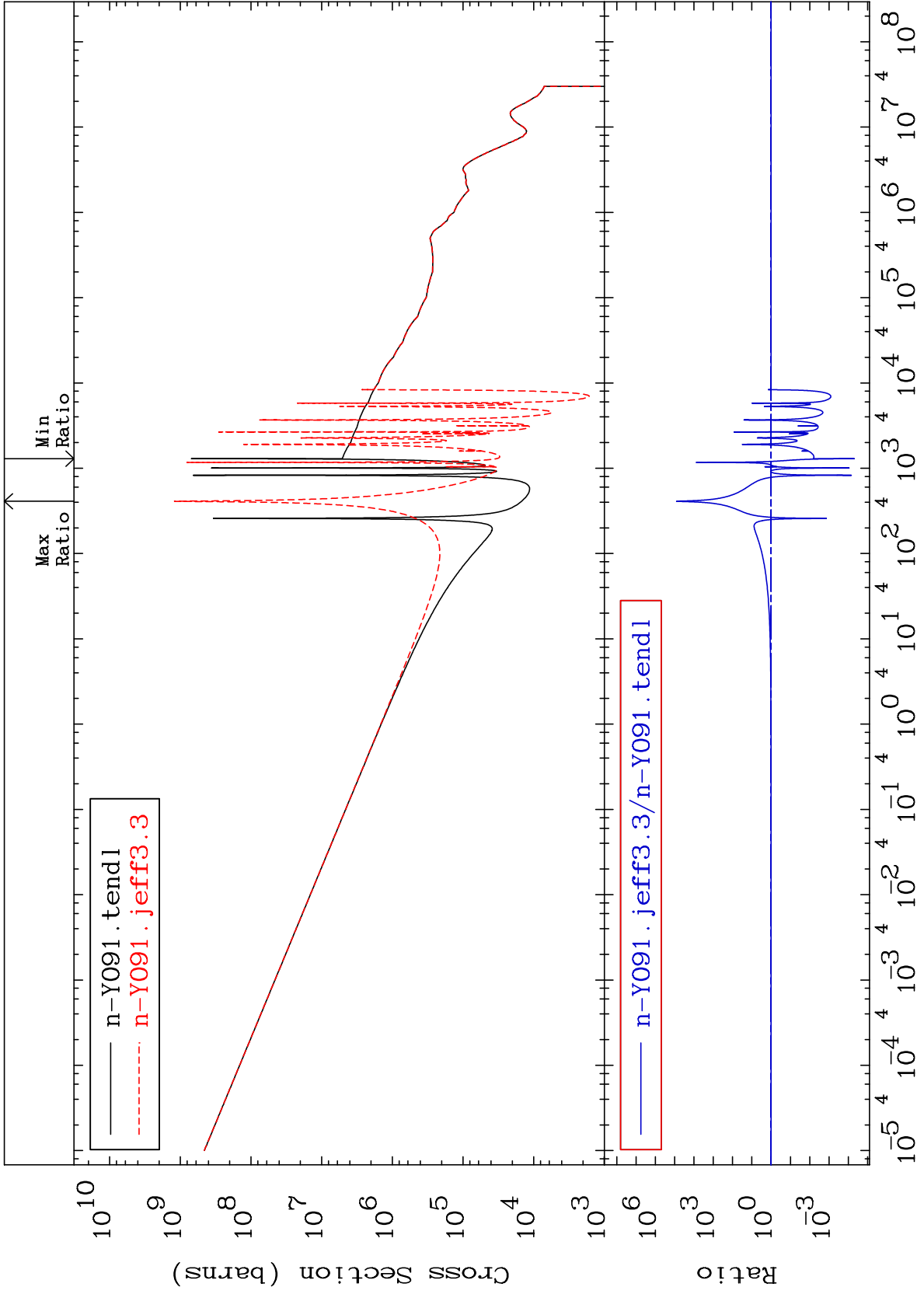


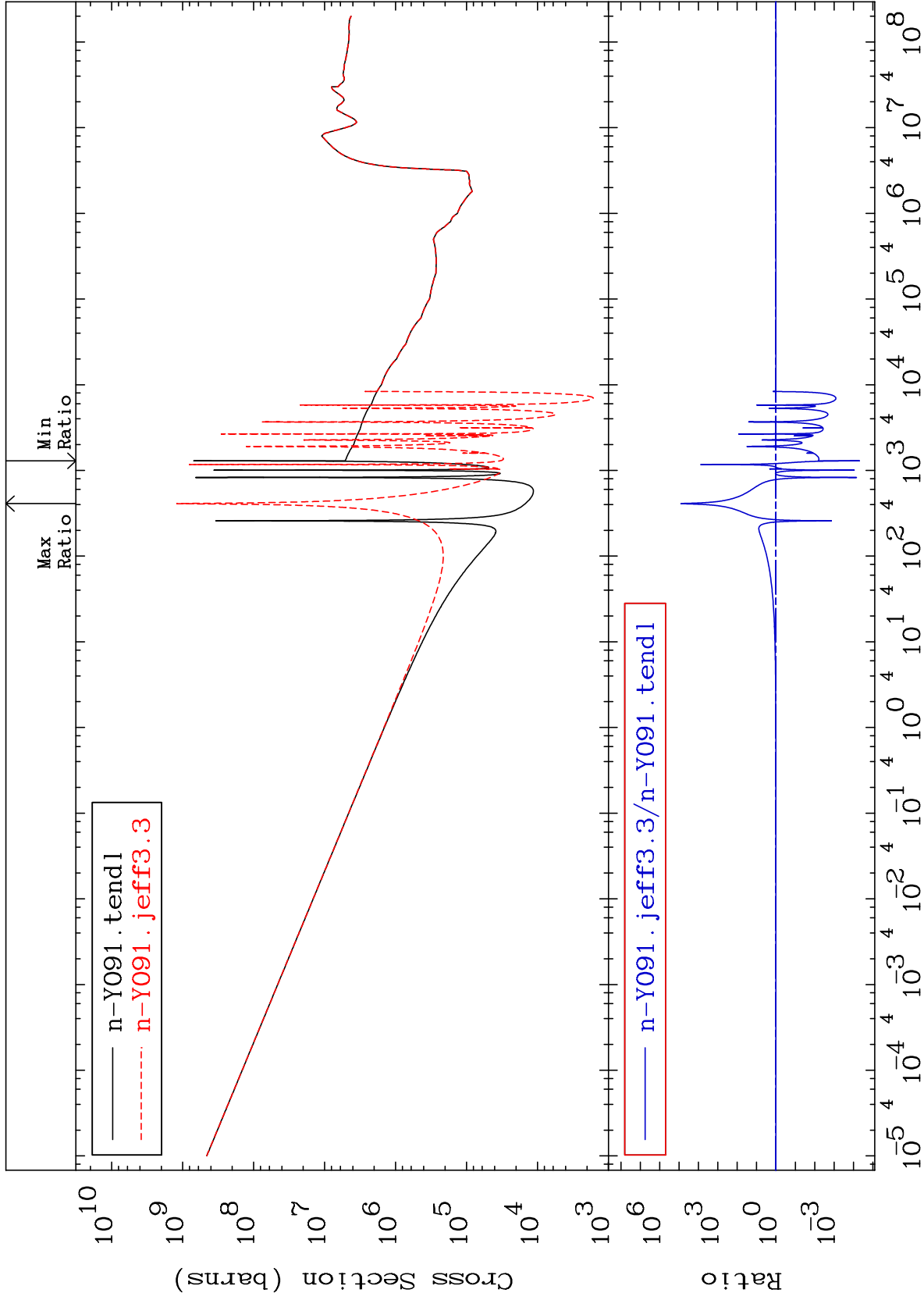


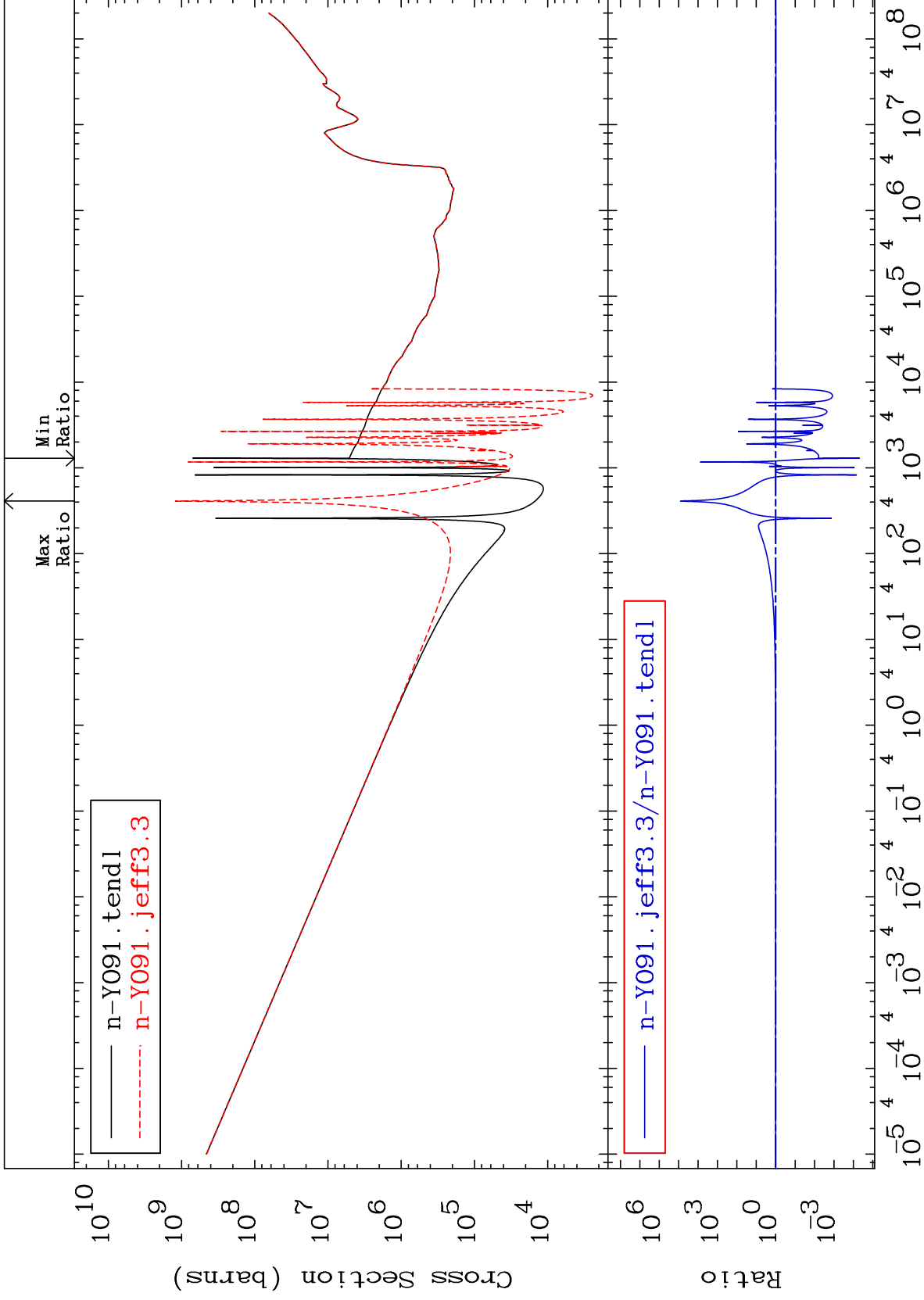


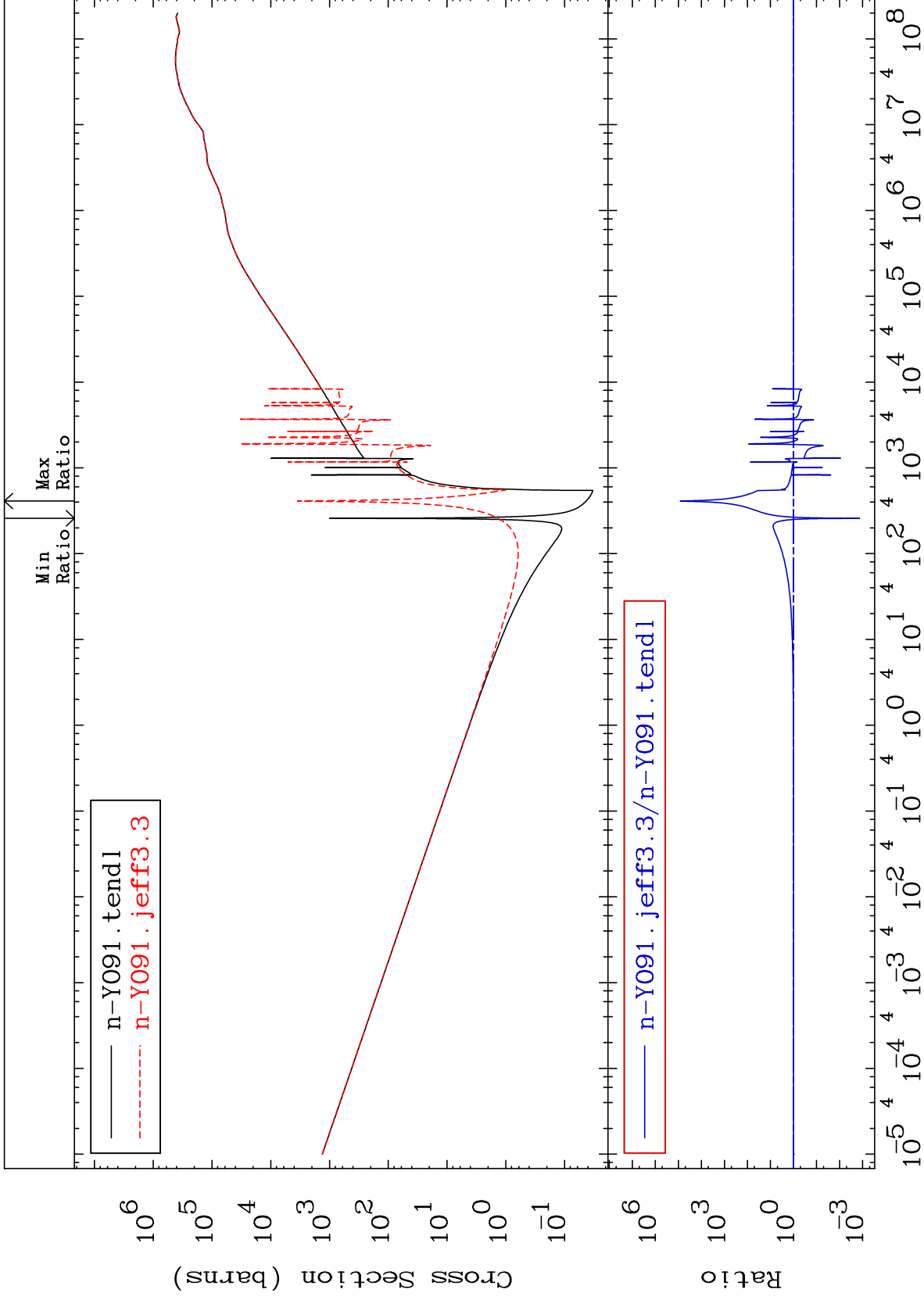


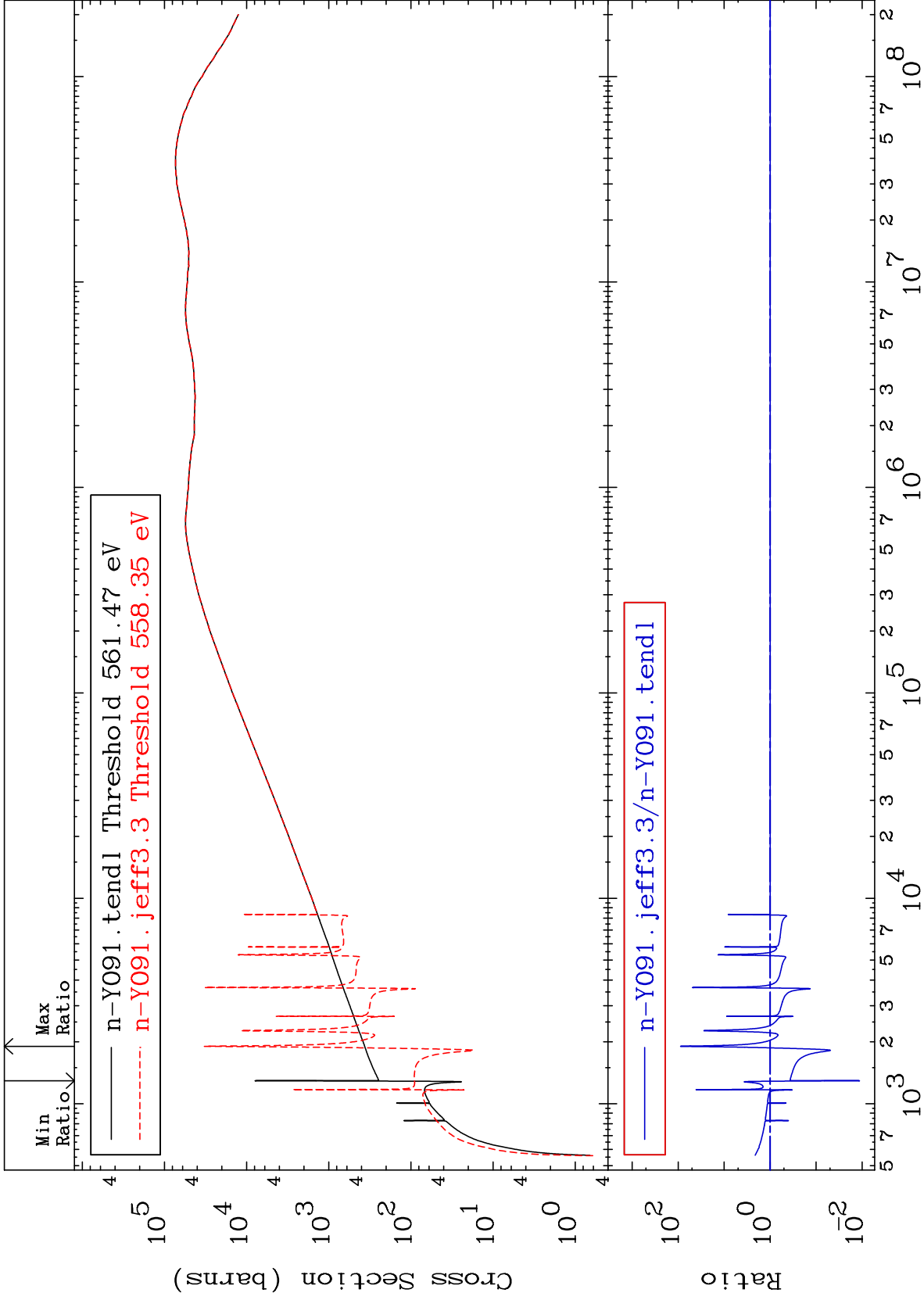


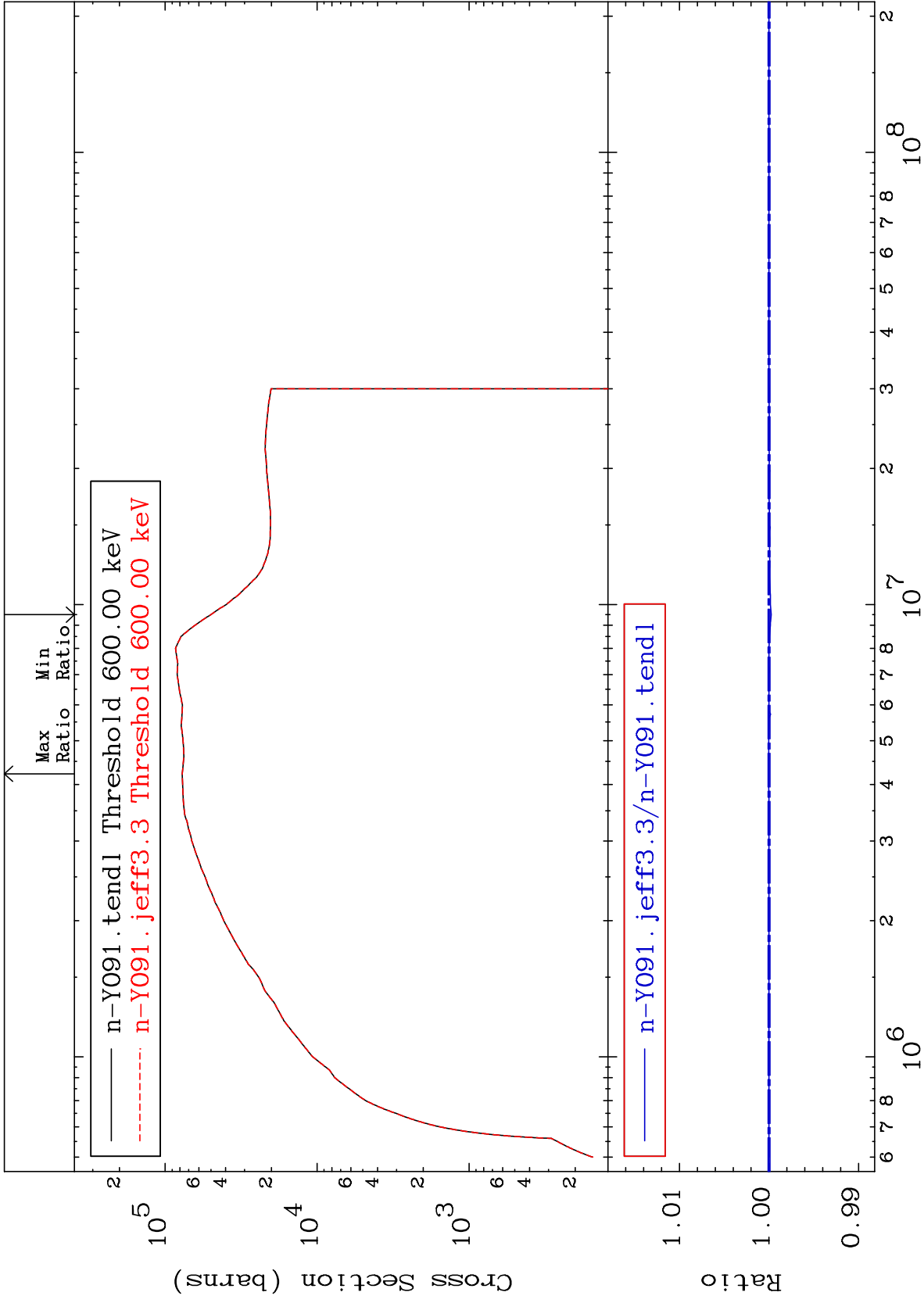


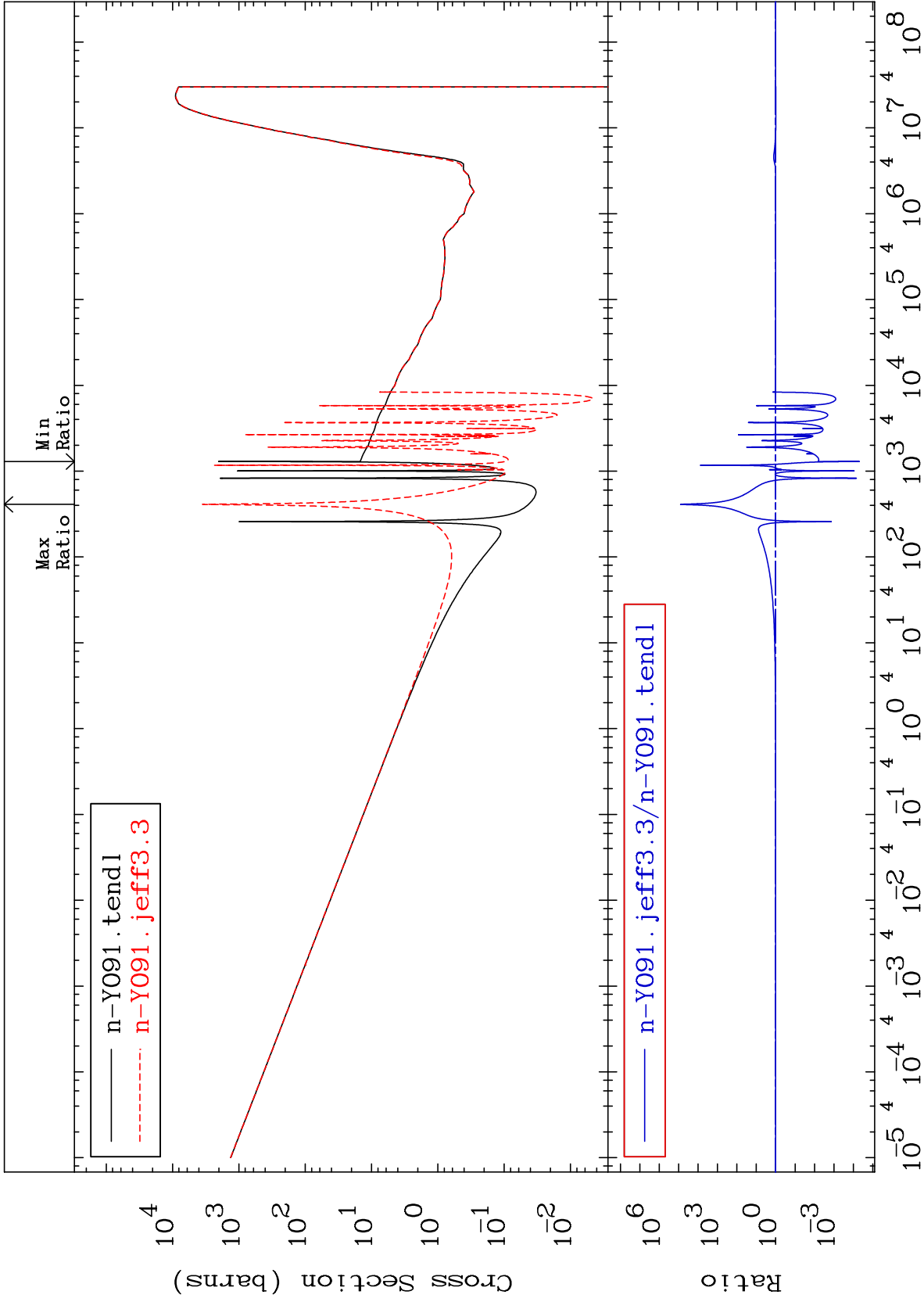


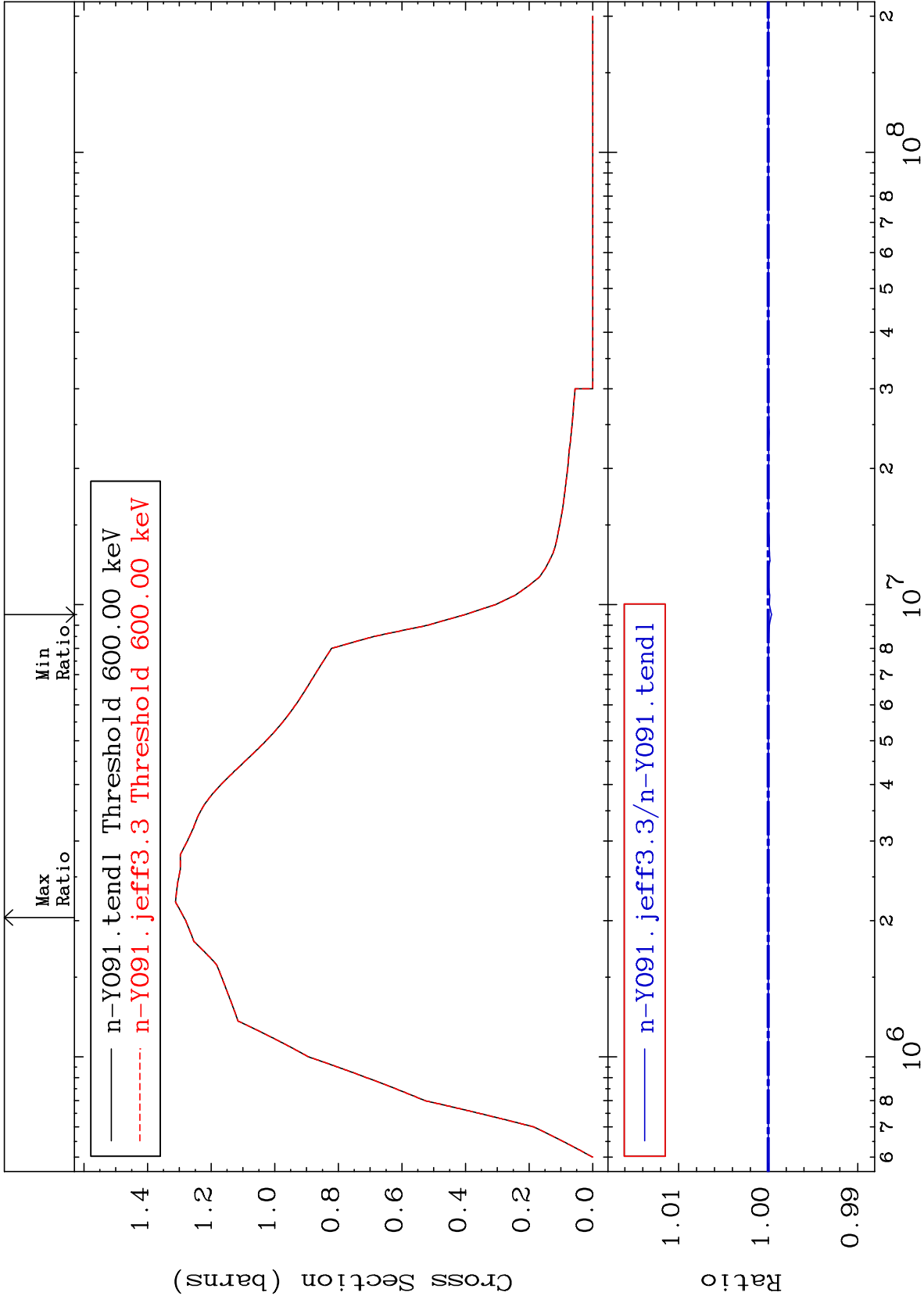




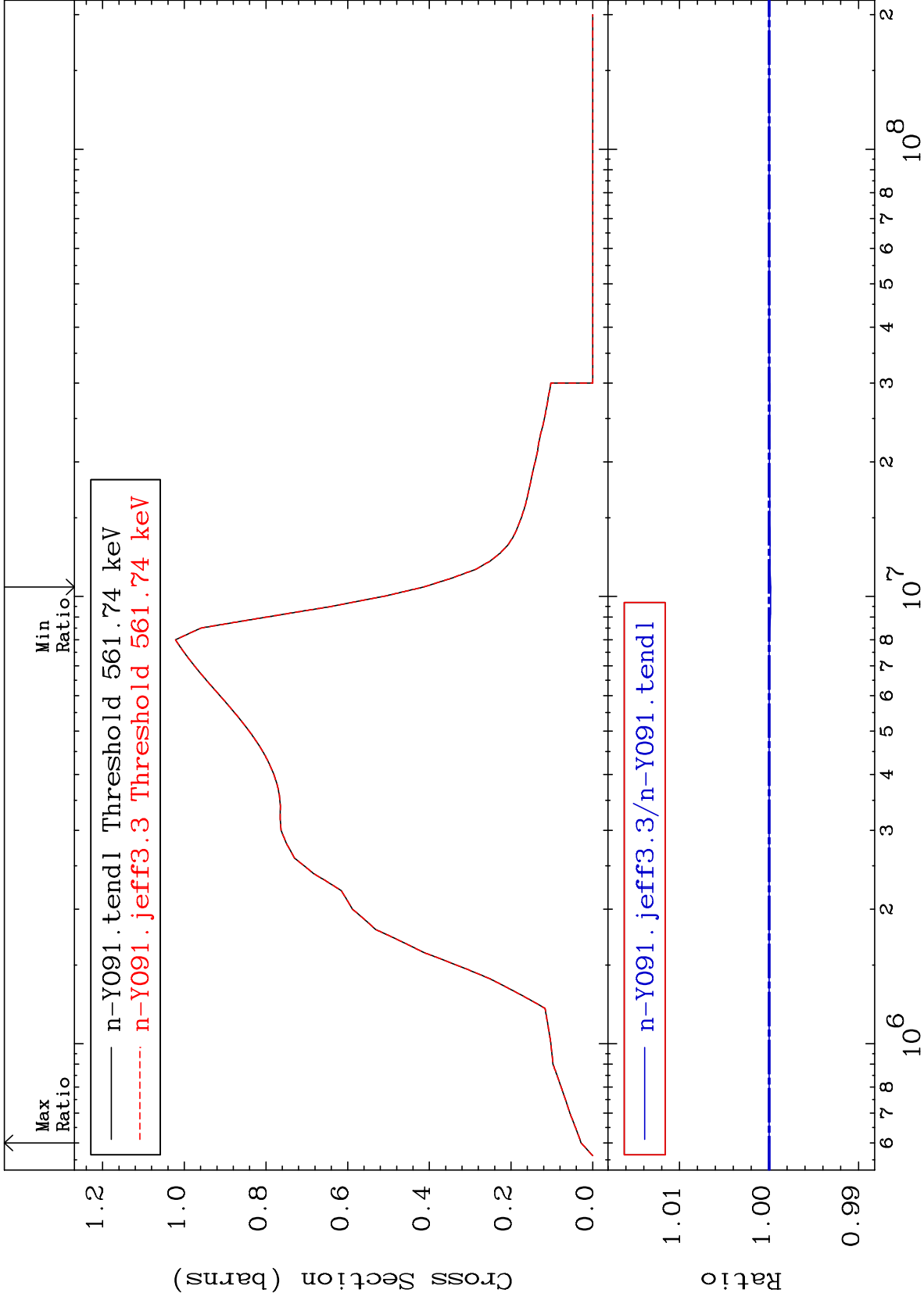








Radionuclide Production Cross Section -0.018 To 0.000 %

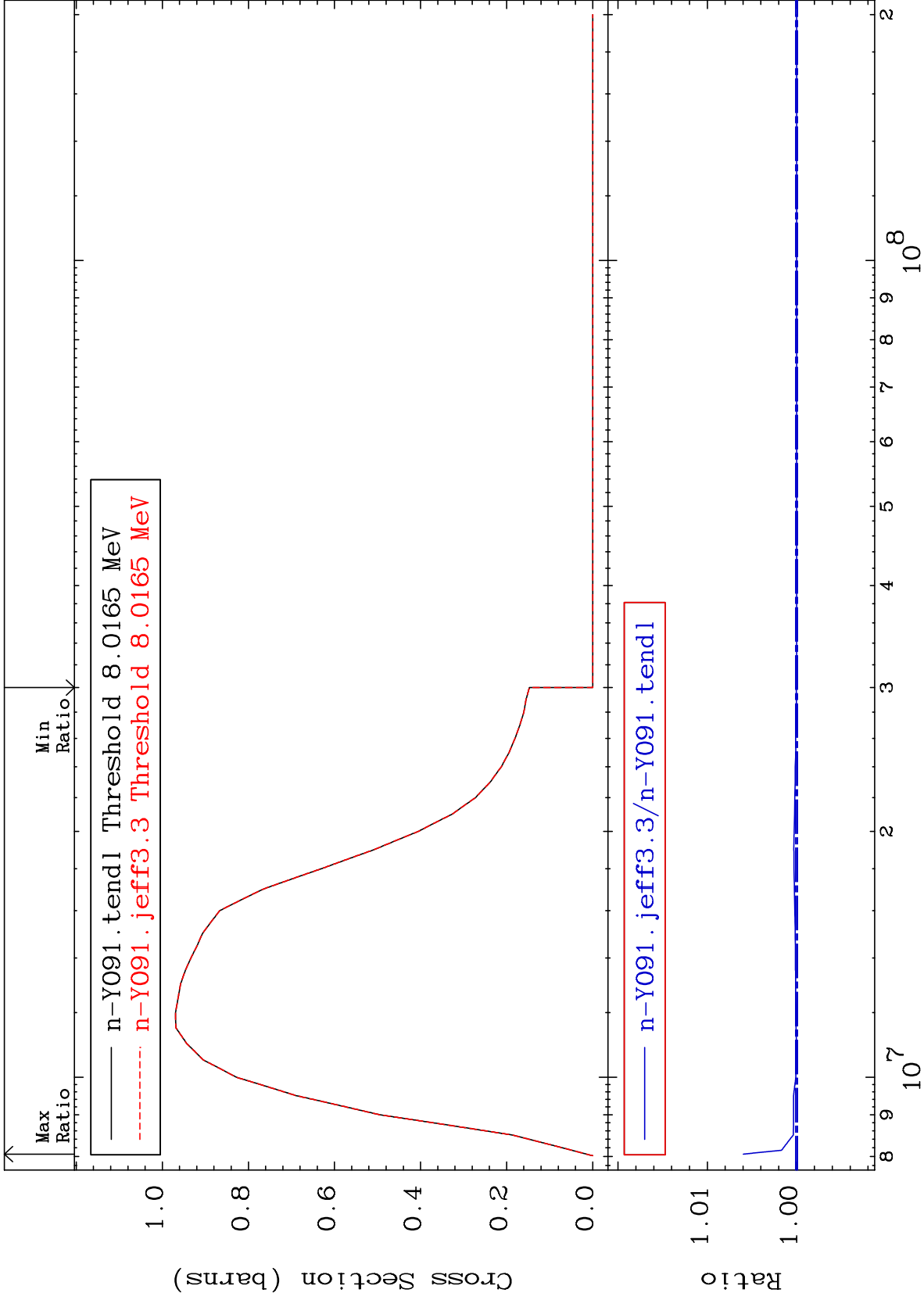


MAT 3931

(n,2n):39-Y -90g

39-Y -91

Radionuclide Production Cross Section 0.000 To 0.598 %

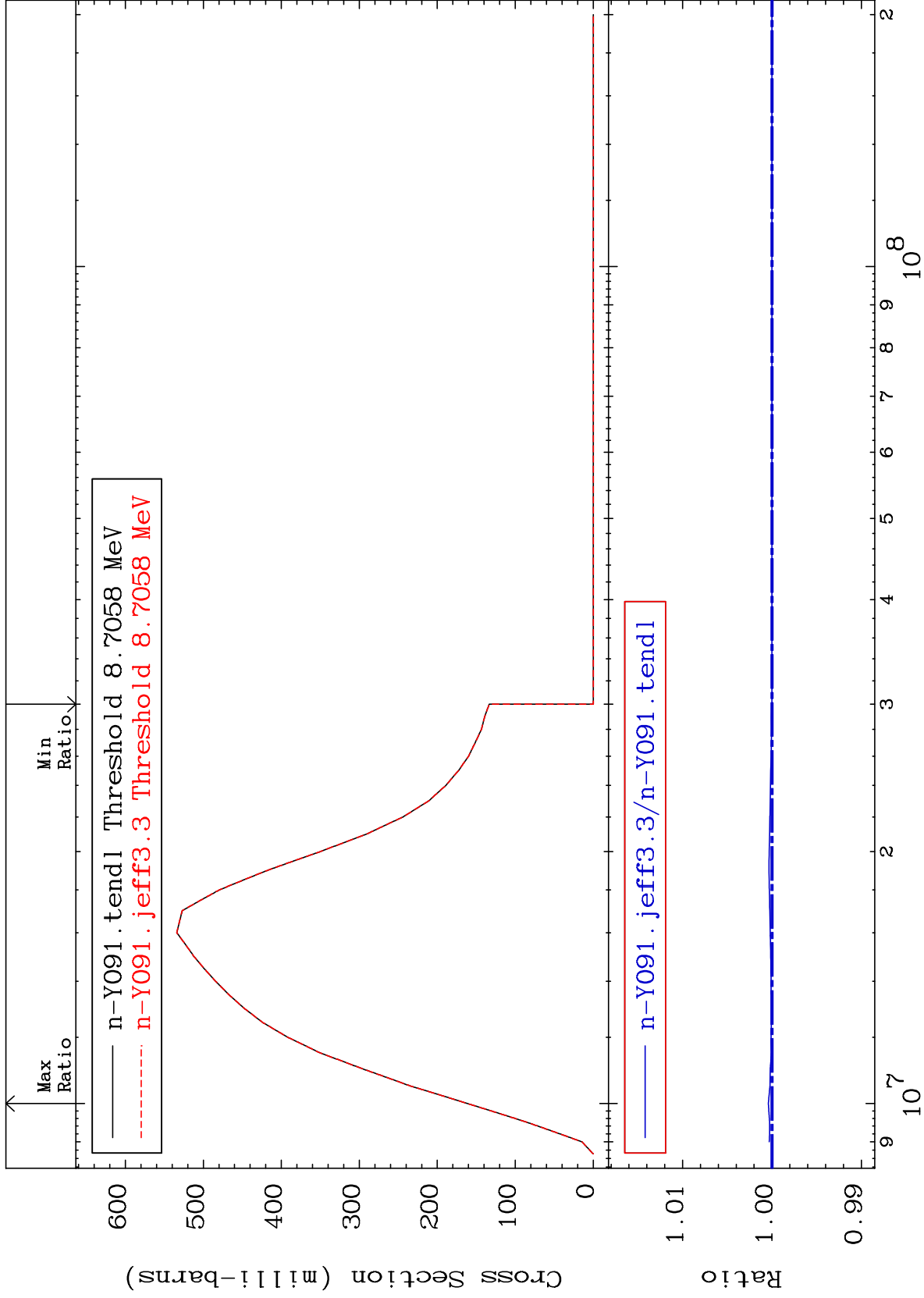


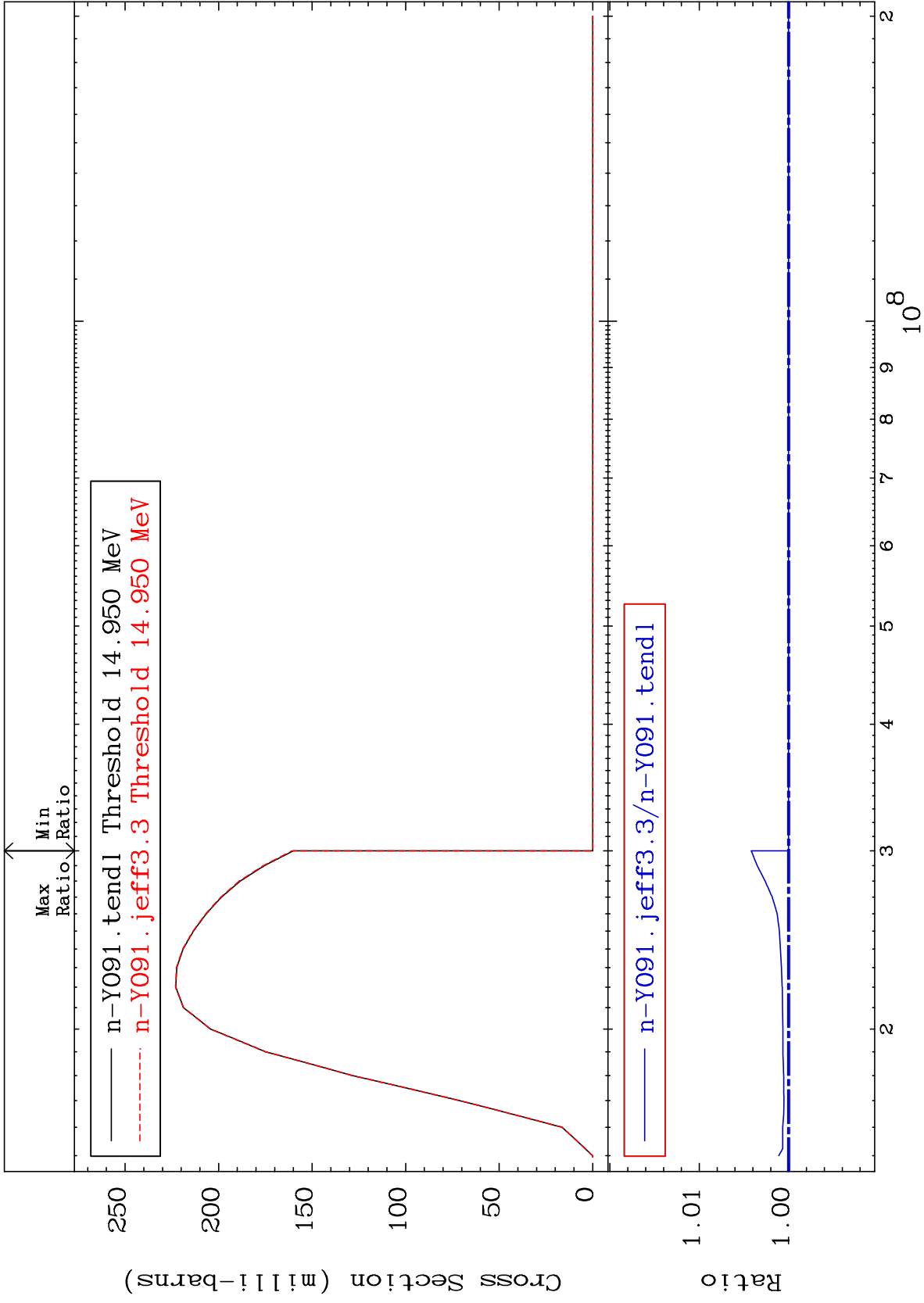
80

Incident Energy (eV)

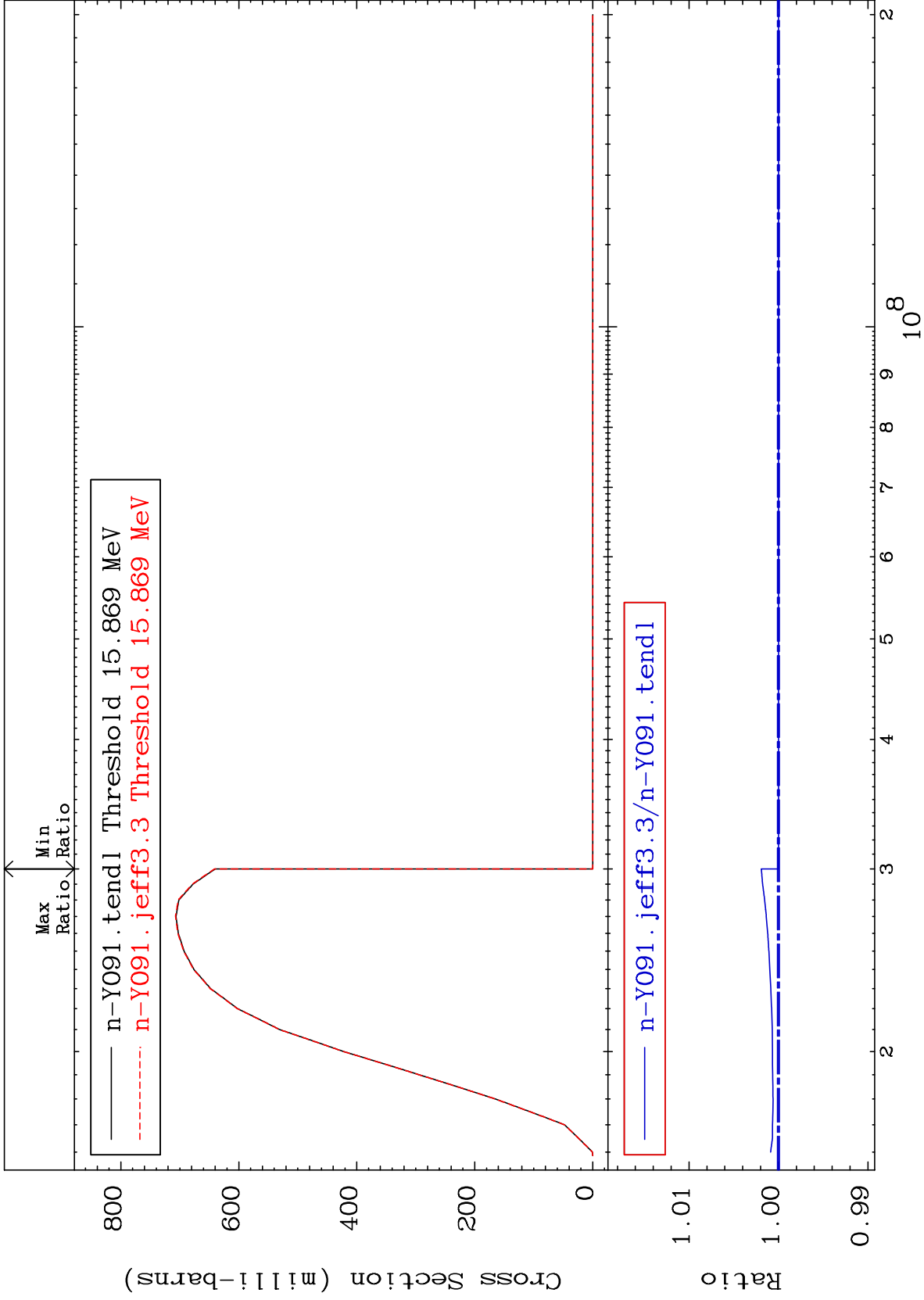
39-Y -91

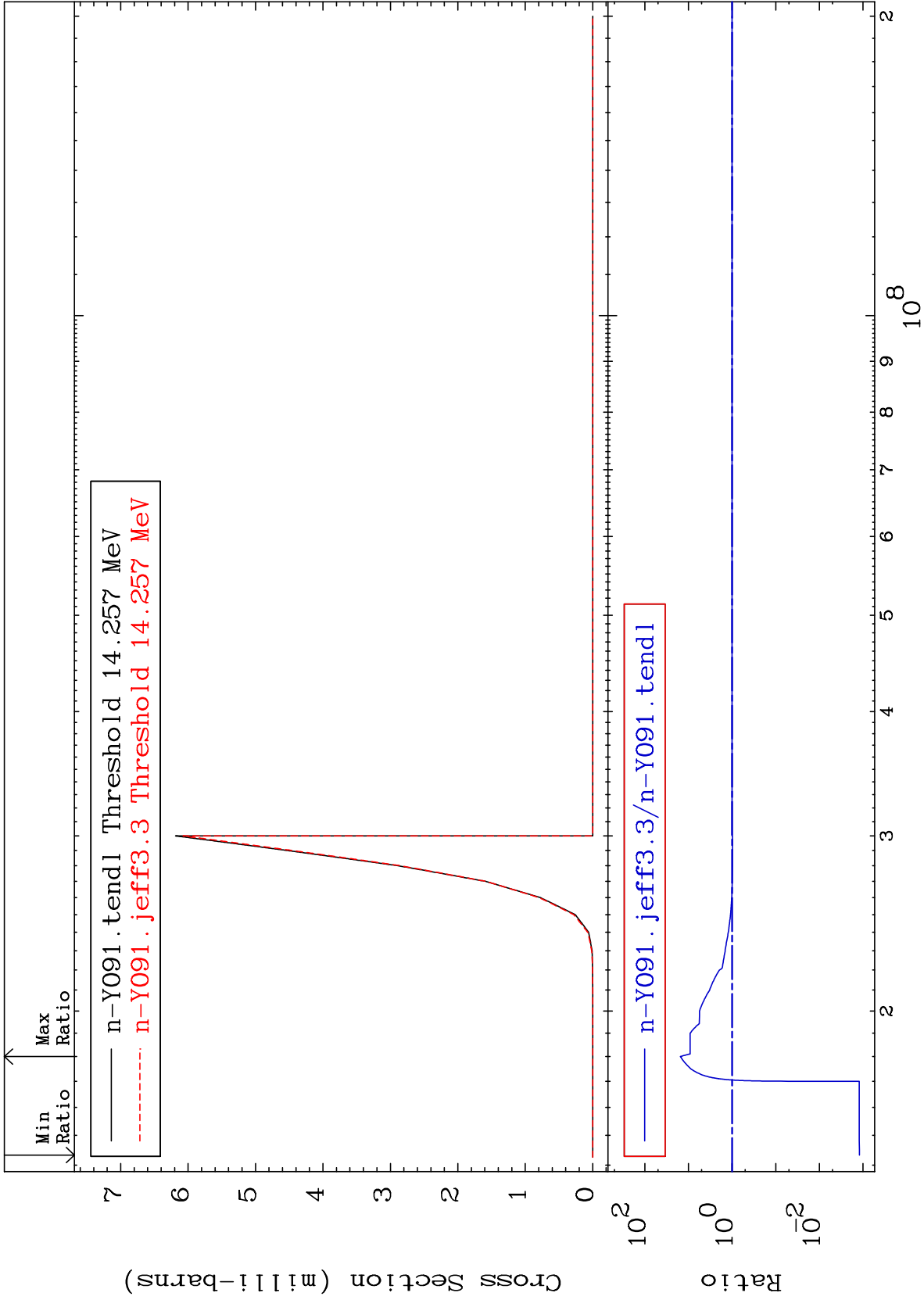
Radionuclide Production Cross Section 0.000 To 0.040 %



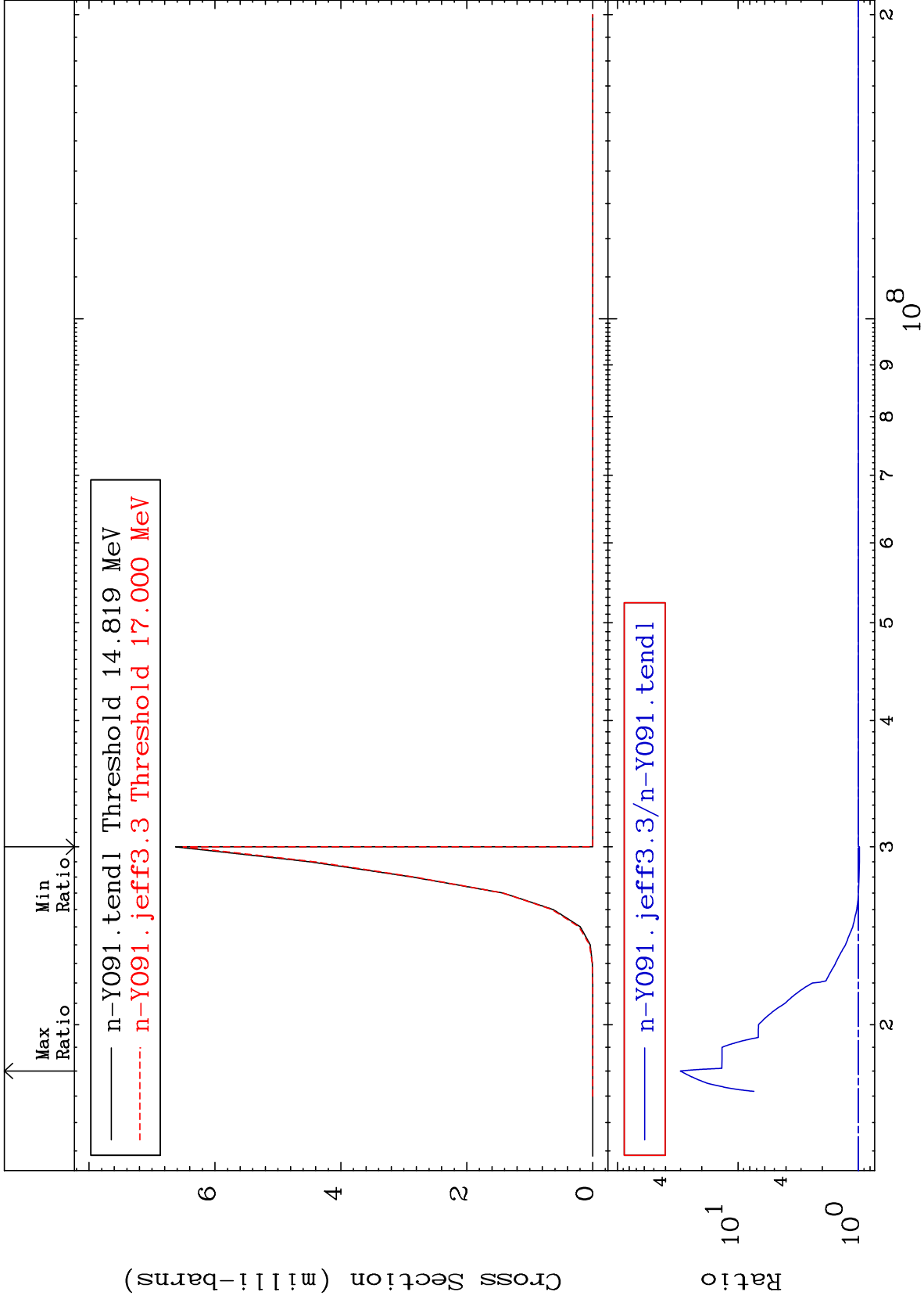


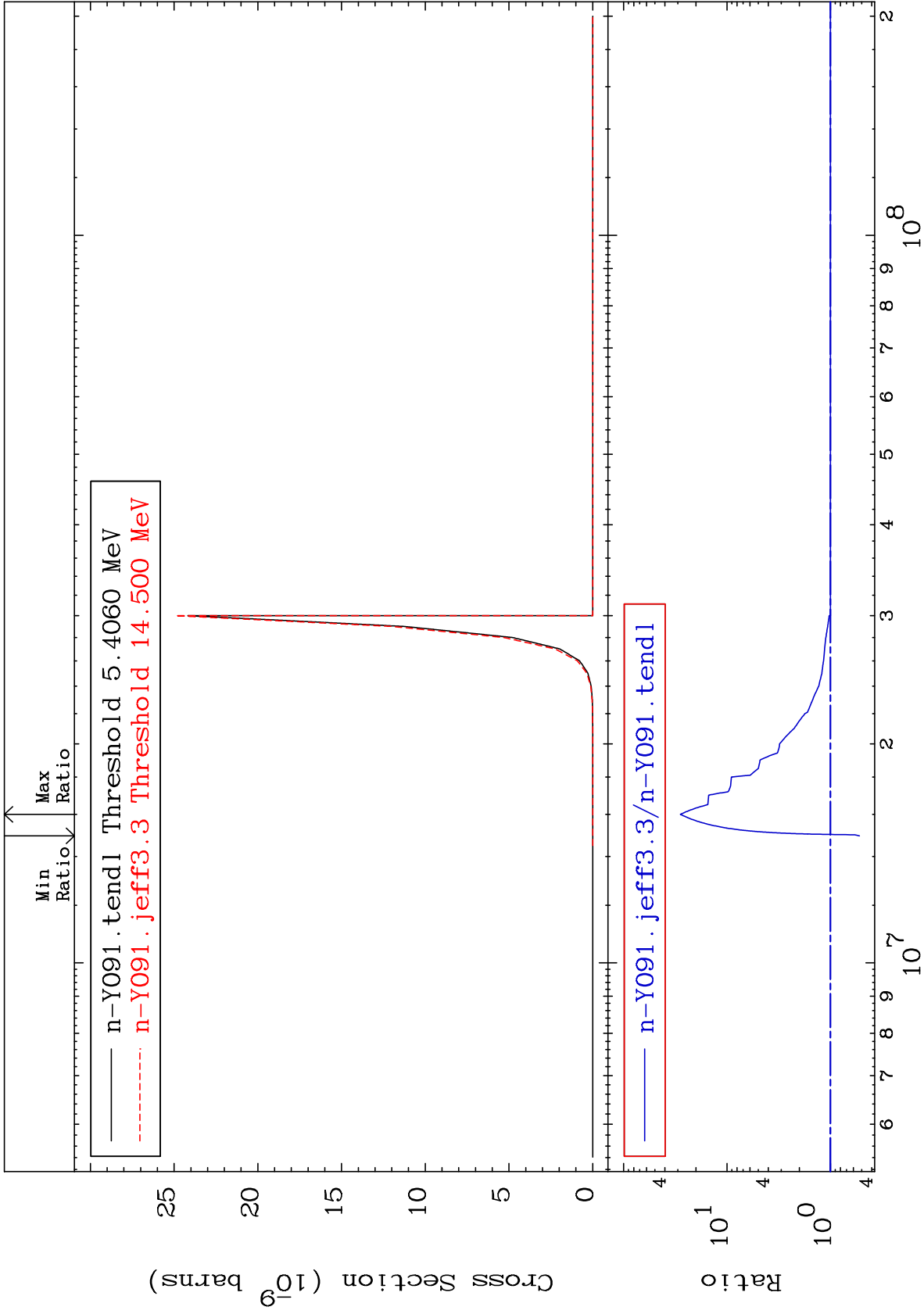
Radionuclide Production Cross Section 0.000 To 0.192 %

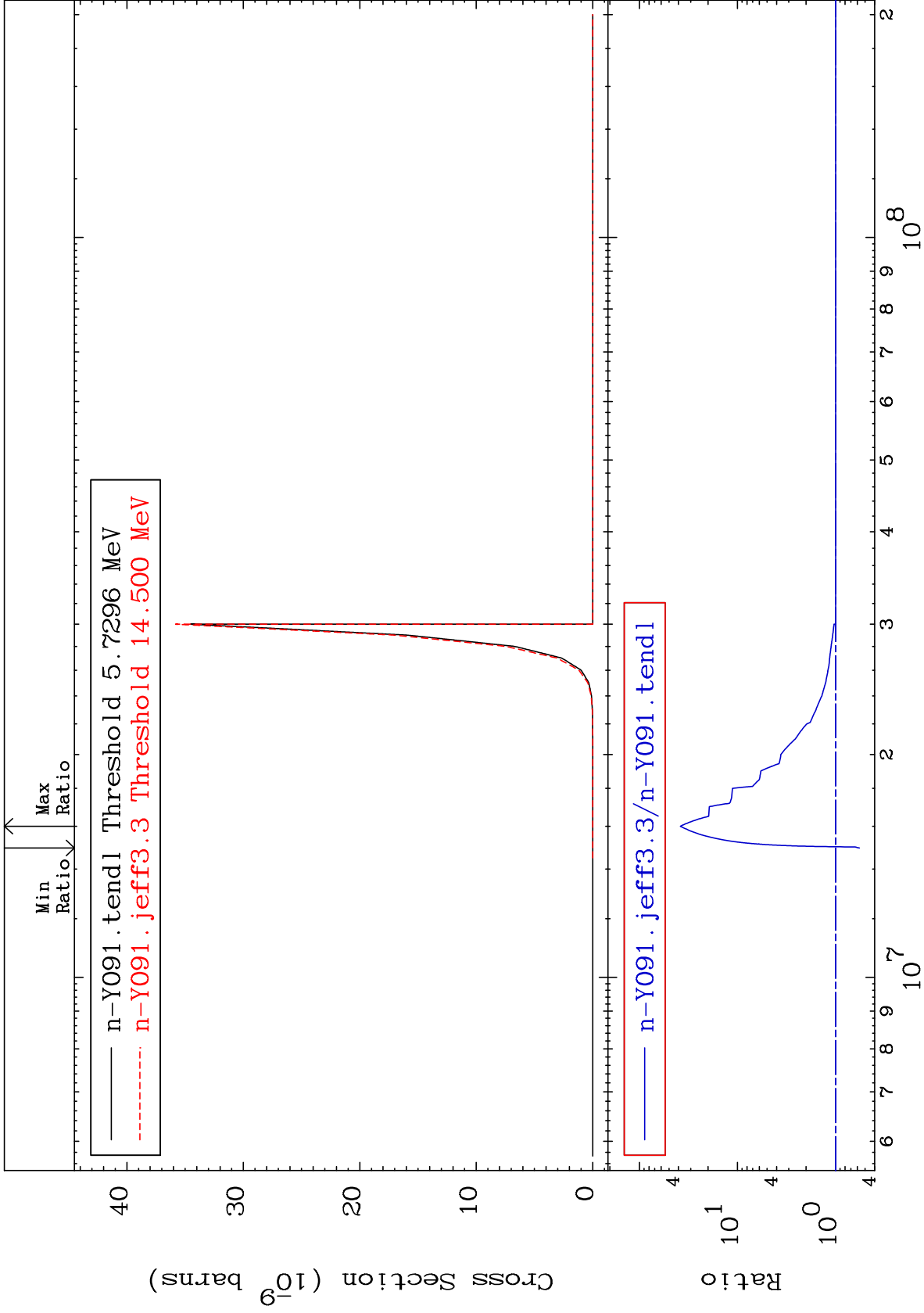




Radionuclide Production Cross Section -1.815 To 2913. %







Radionuclide Production Cross Section -0.462 To 0.036 %

