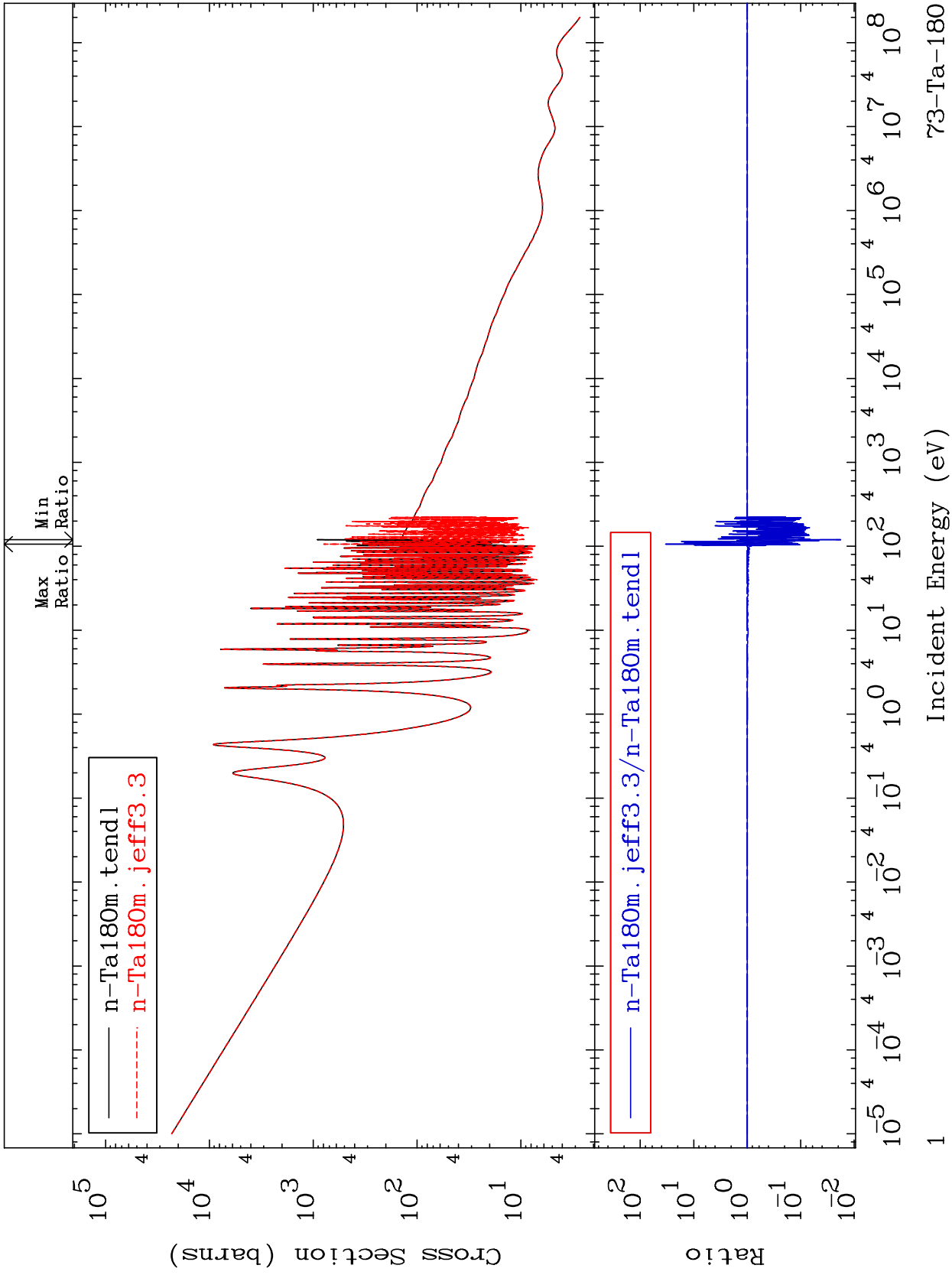


MAT 7326

Total Cross Section
73-Ta-180
-98.21 To 3271. %



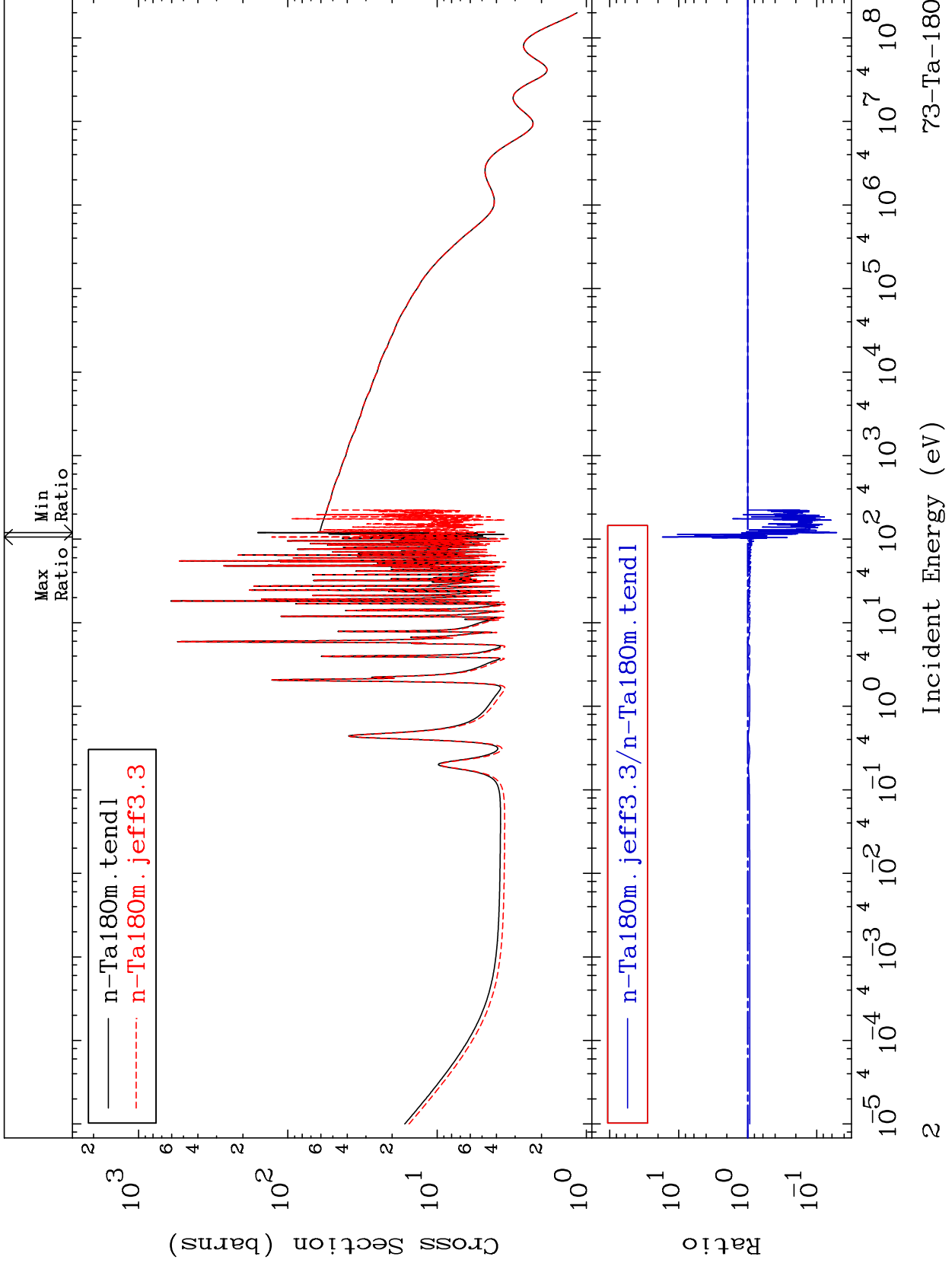
73-Ta-180

Incident Energy (eV)

MAT 7326

Elastic
Cross Section

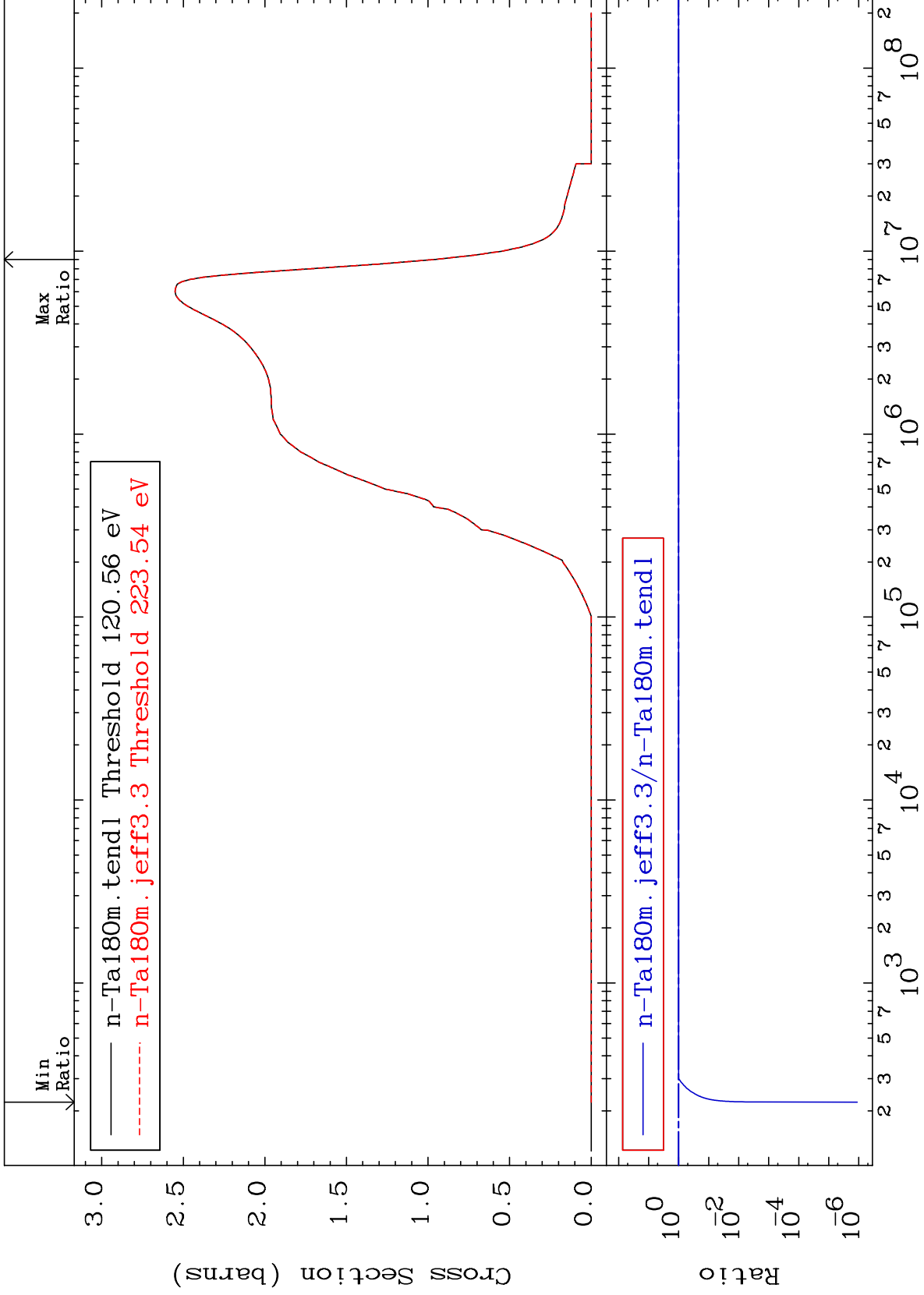
⁷³Ta-180
-94.87 To 1629. %



MAT 7326

Inelastic
Cross Section

73-Ta-180
-100.0 To 0.215 %



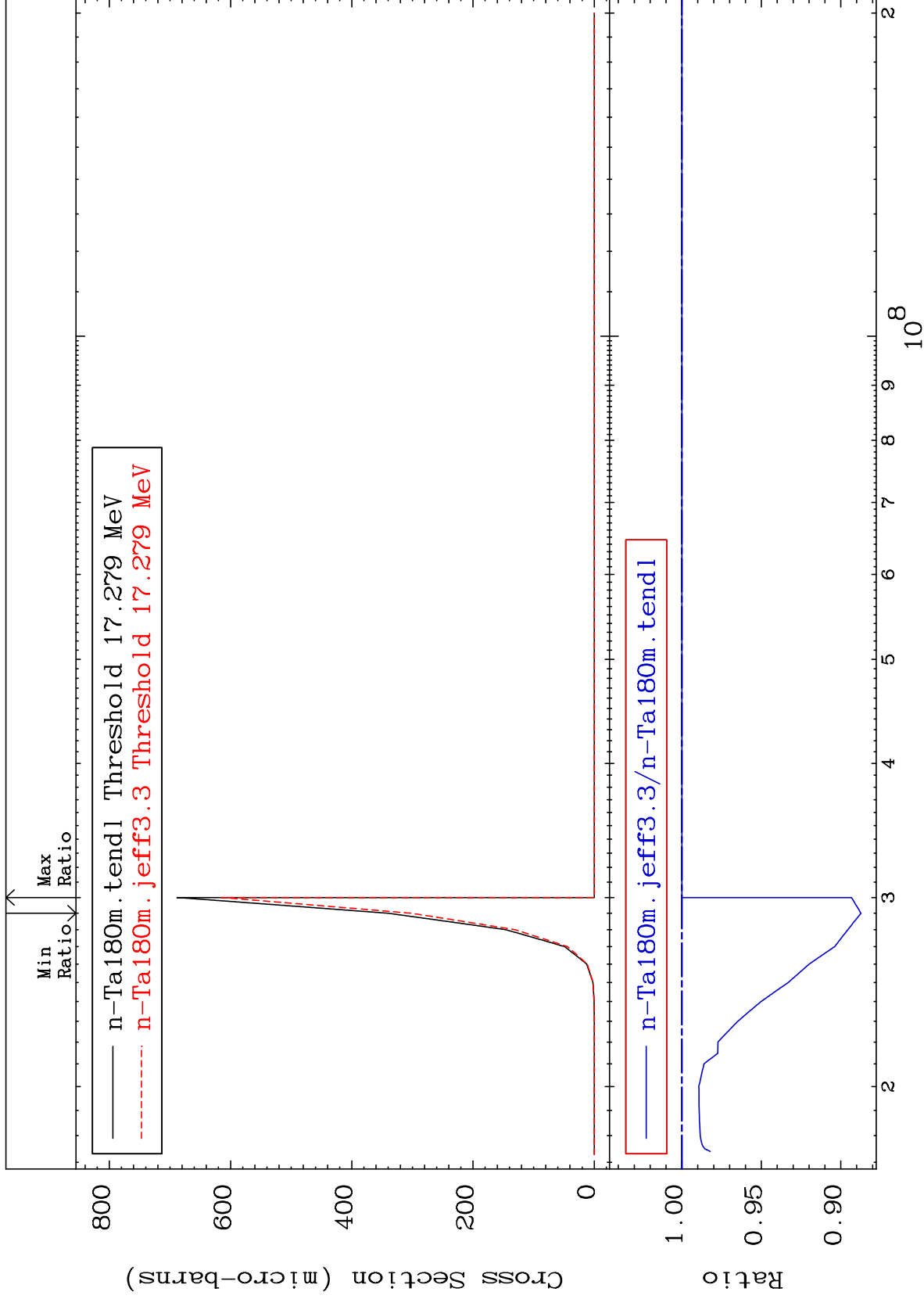
MAT 7326

(n,2n) d

⁷³Ta-180

Cross Section

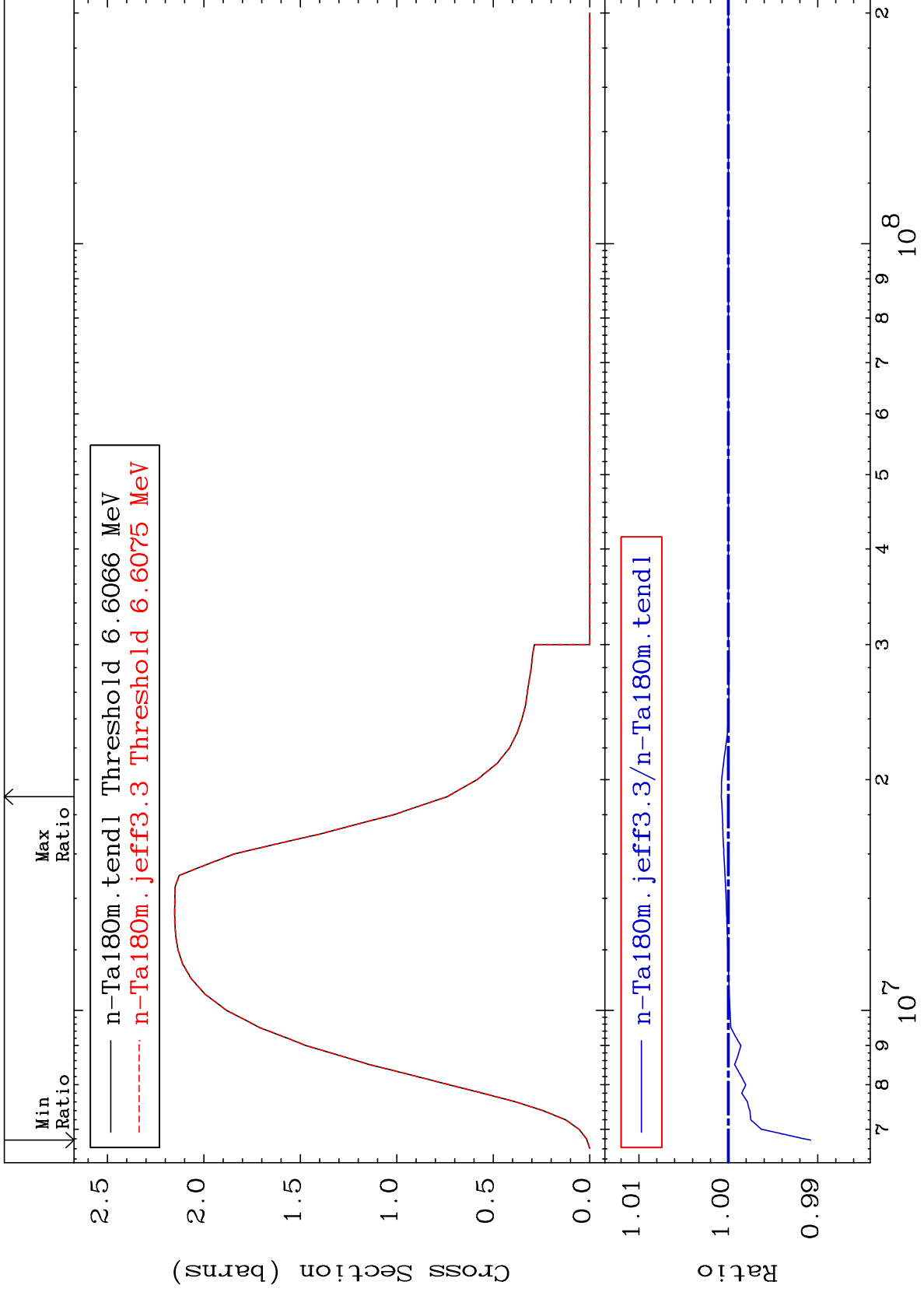
-11.27 To 0.000 %



MAT 7326

(n,2n)
Cross Section

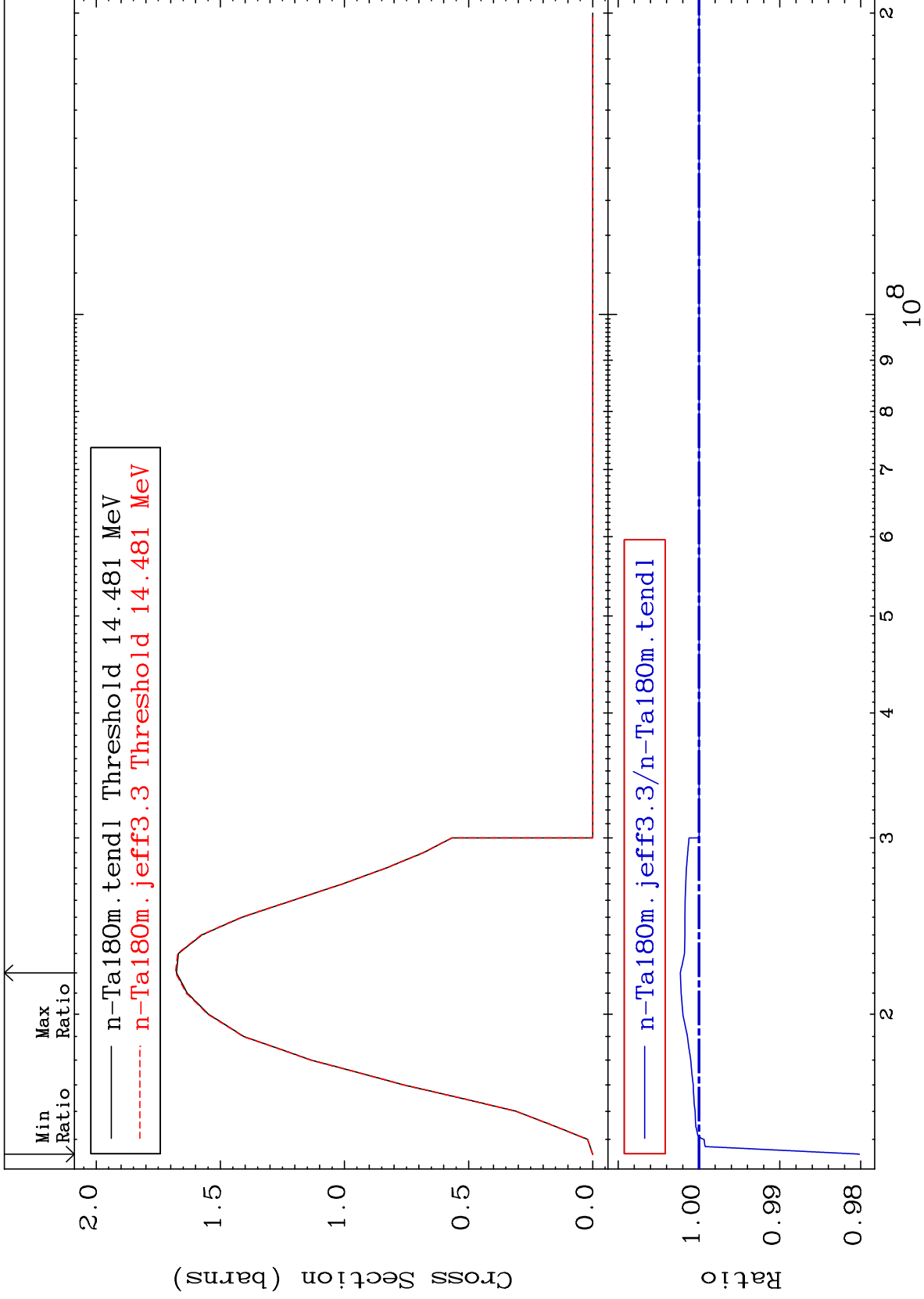
⁷³Ta-180
-0.920 To 0.078 %



5

Incident Energy (eV)

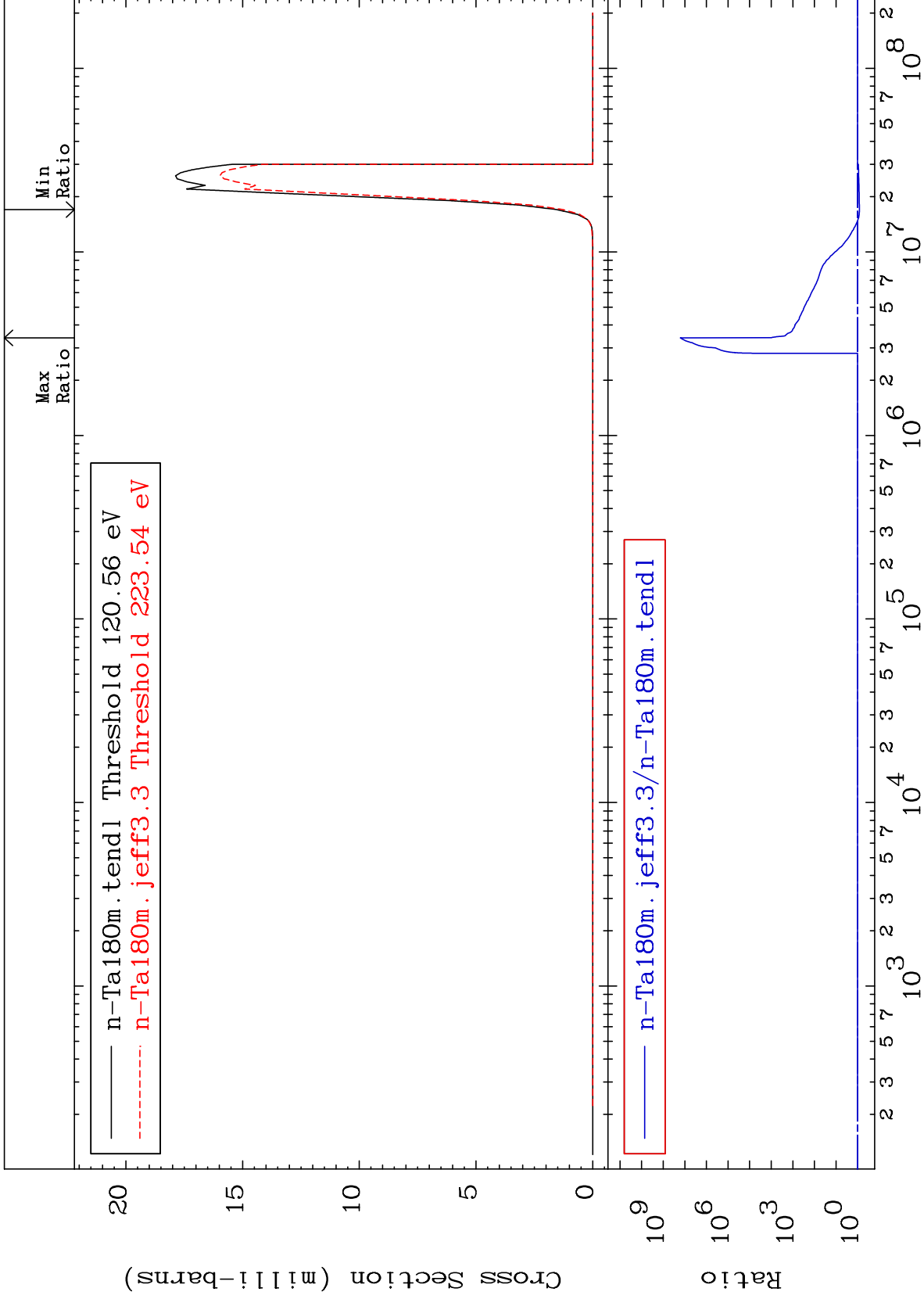
⁷³Ta-180



MAT 7326

(n, n') α
Cross Section

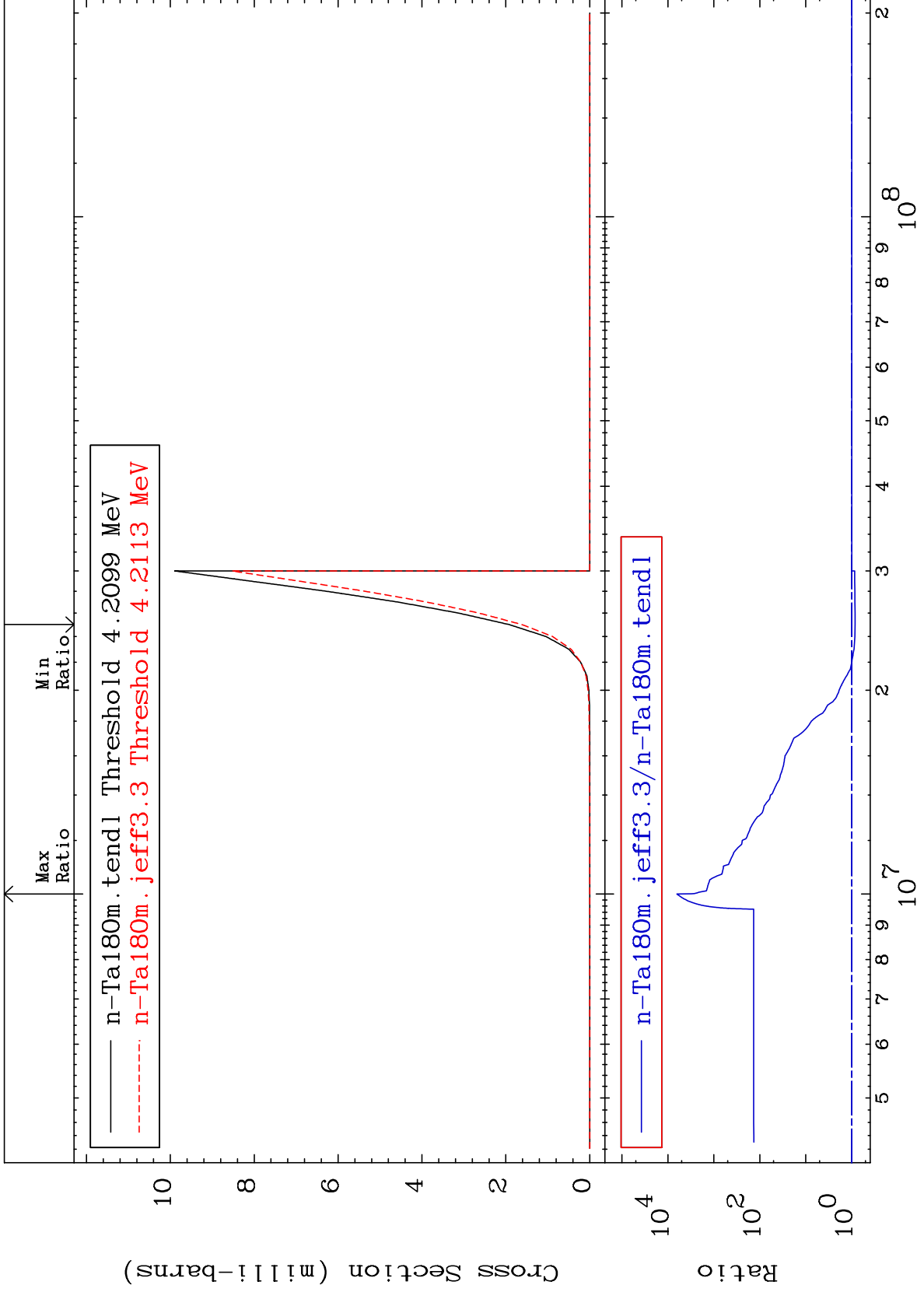
73-Ta-180
-17.71 To 9999. %

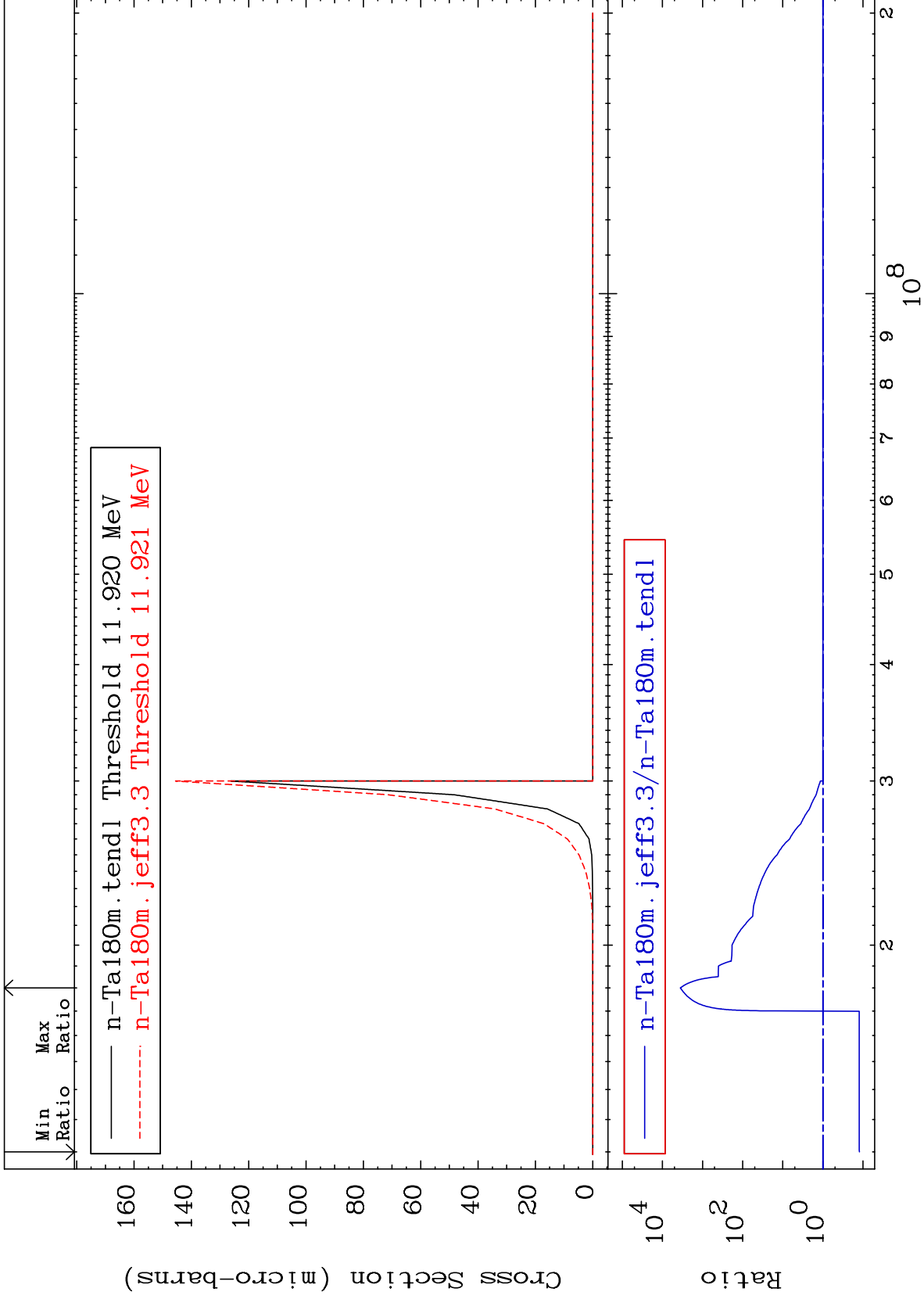


MAT 7326

(n,2n) α
Cross Section

⁷³Ta-180
-15.77 To 9999. %

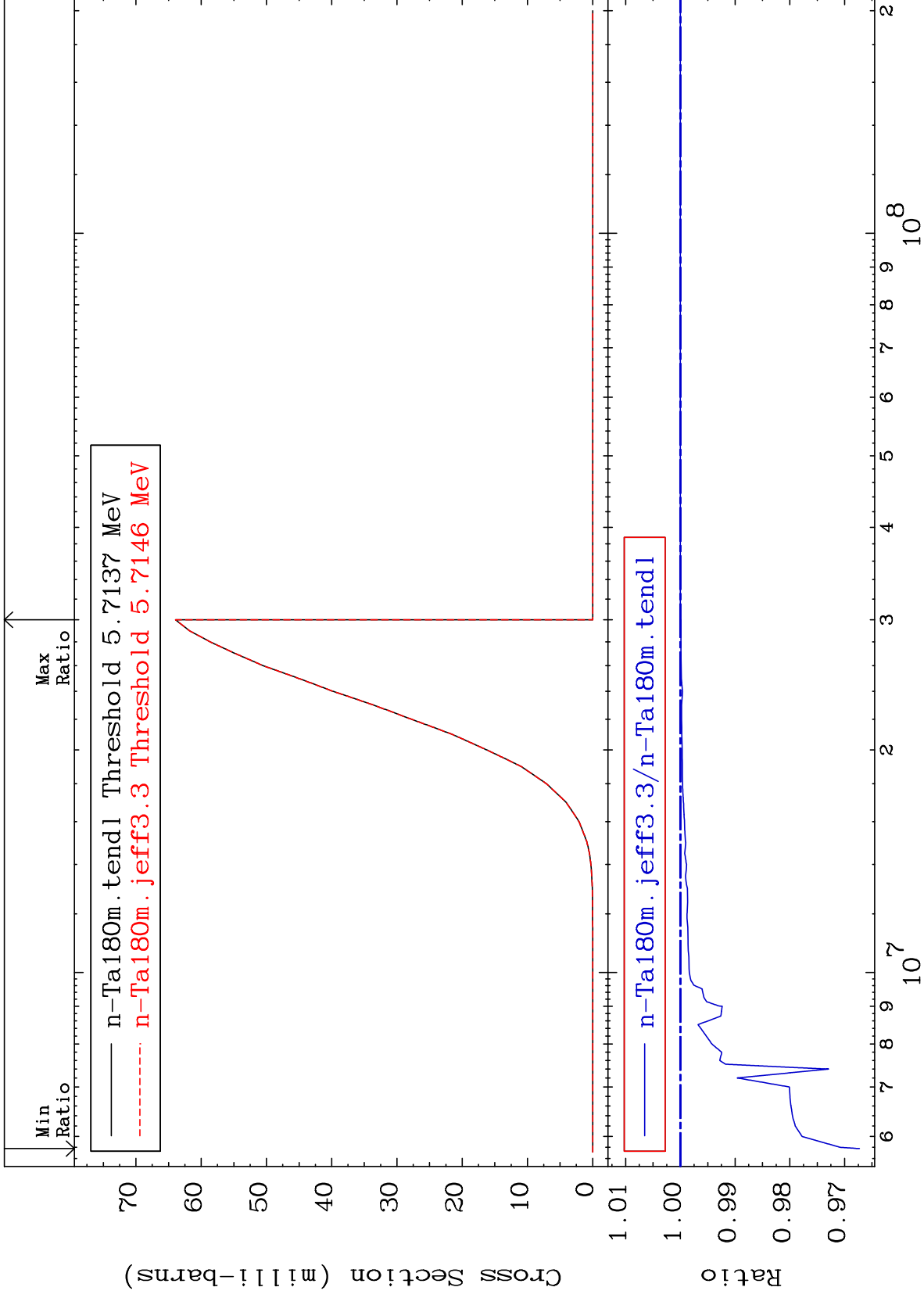




MAT 7326

(n, n') p
Cross Section

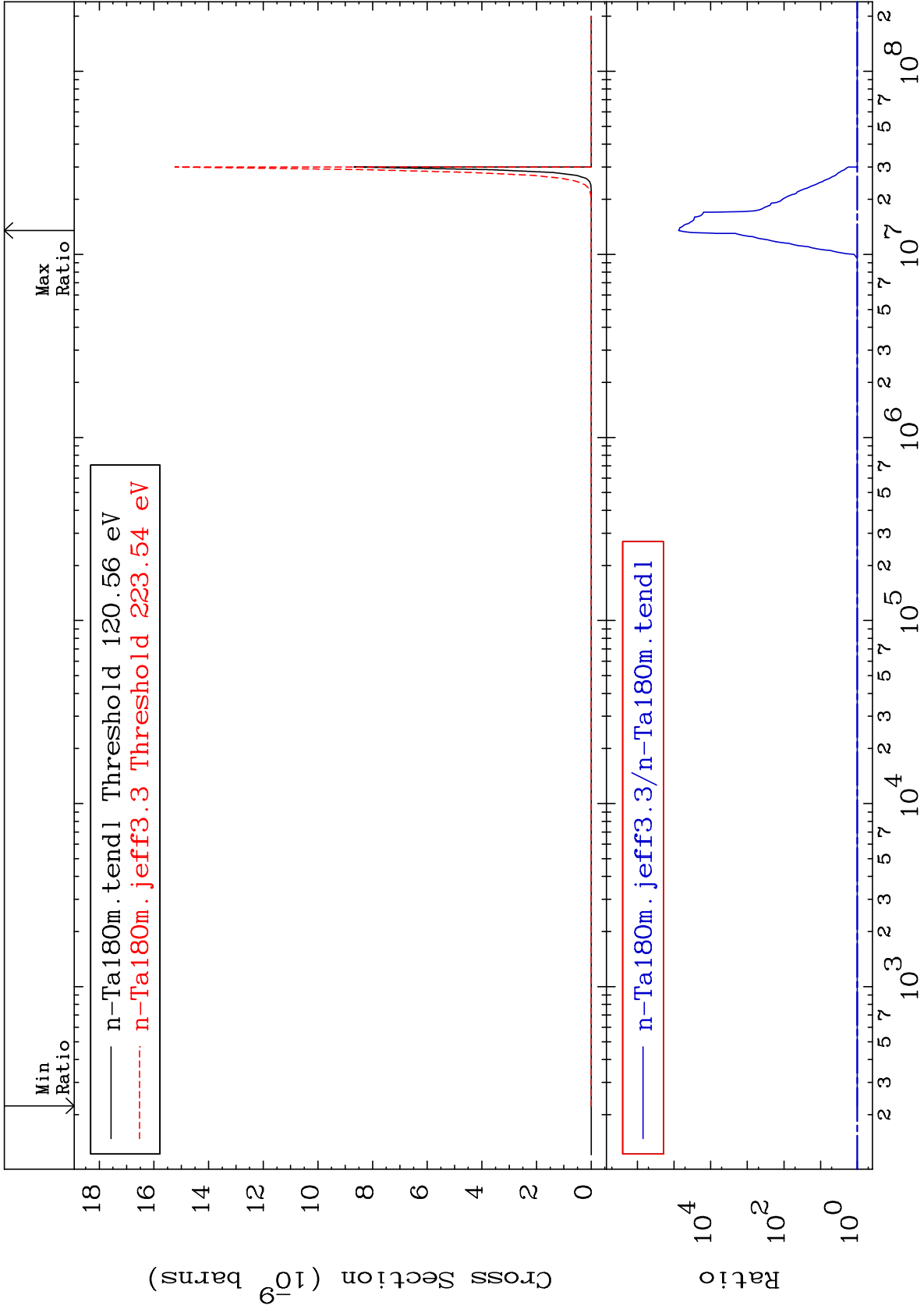
⁷³Ta-180
-3.270 To 0.000 %



MAT 7326

(n, n') 2α
Cross Section

73-Ta-180
To 9999. %



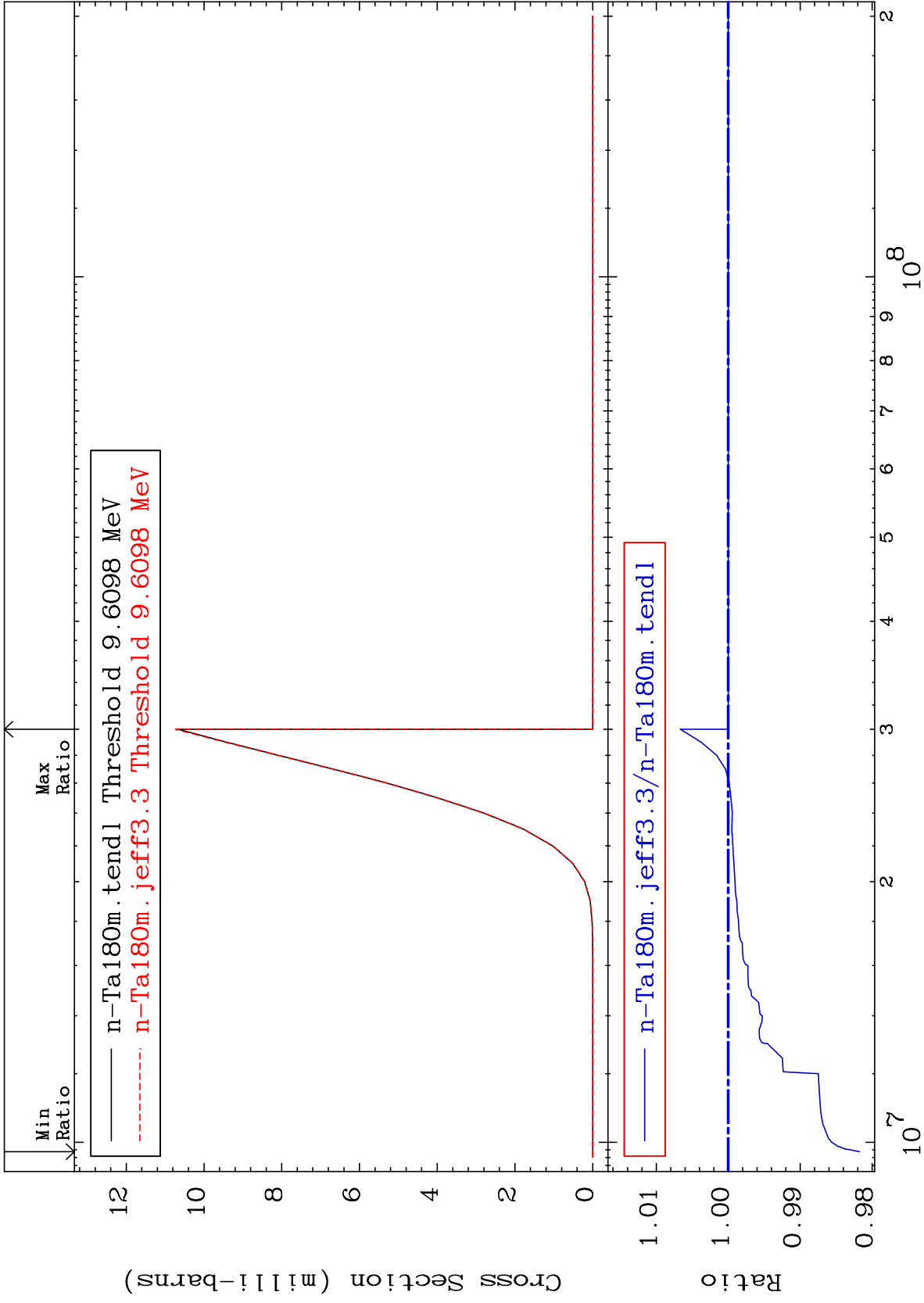
MAT 7326

(n,n') d

⁷³Ta-180

Cross Section

-1.823 To 0.665 %



12

Incident Energy (eV)

⁷³Ta-180

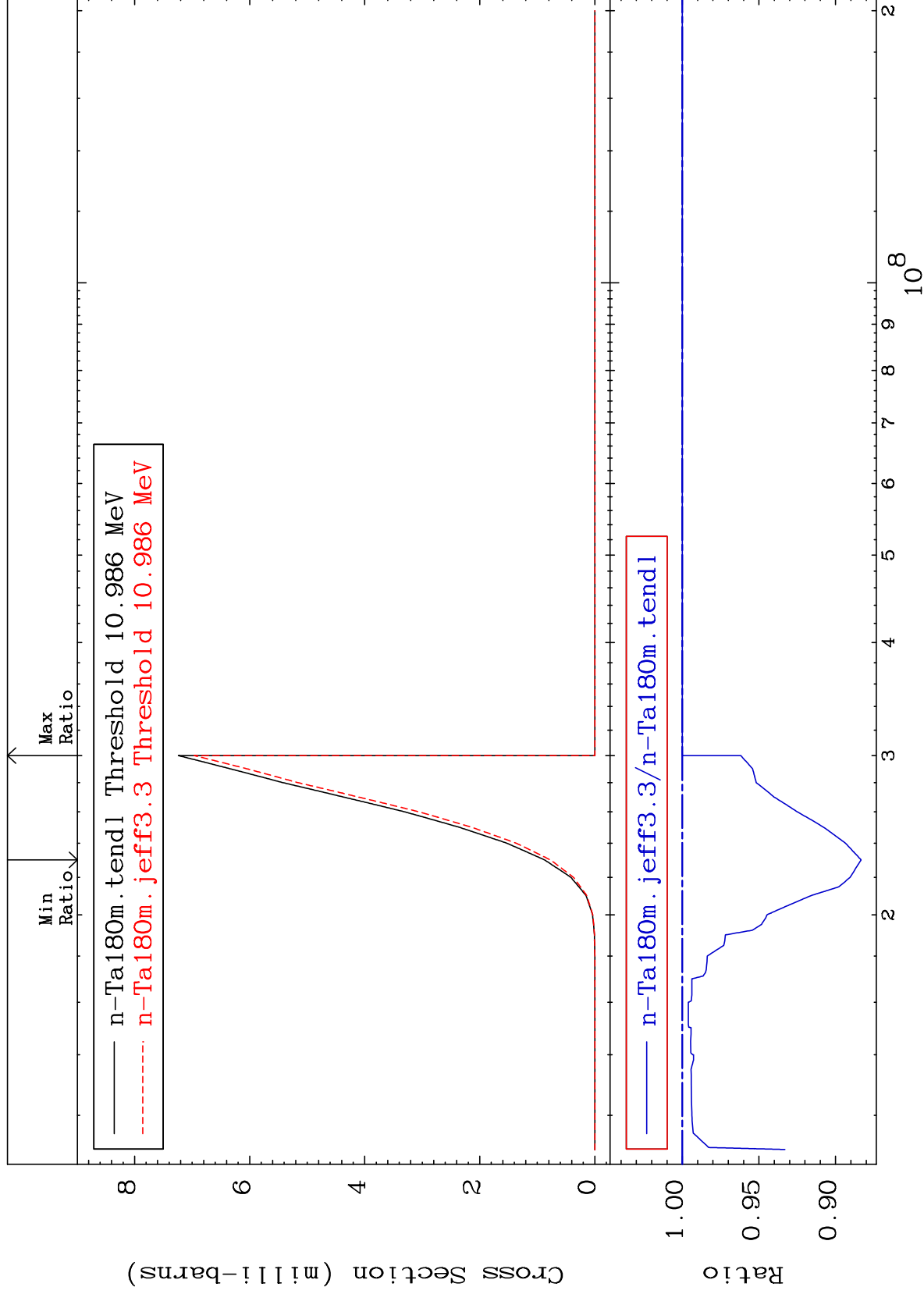
MAT 7326

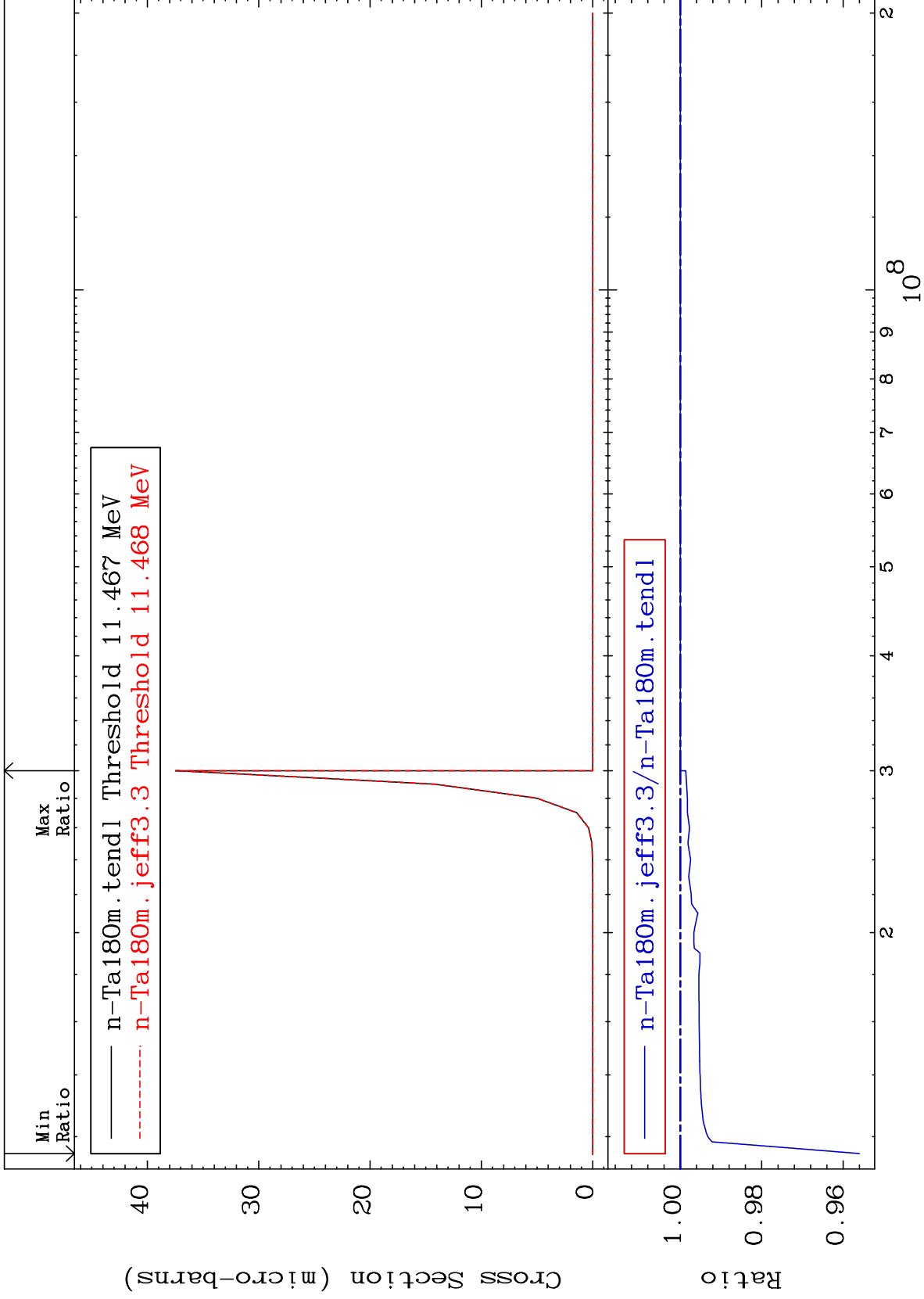
(n,n') t

⁷³Ta-180

Cross Section

-11.66 To 0.000 %

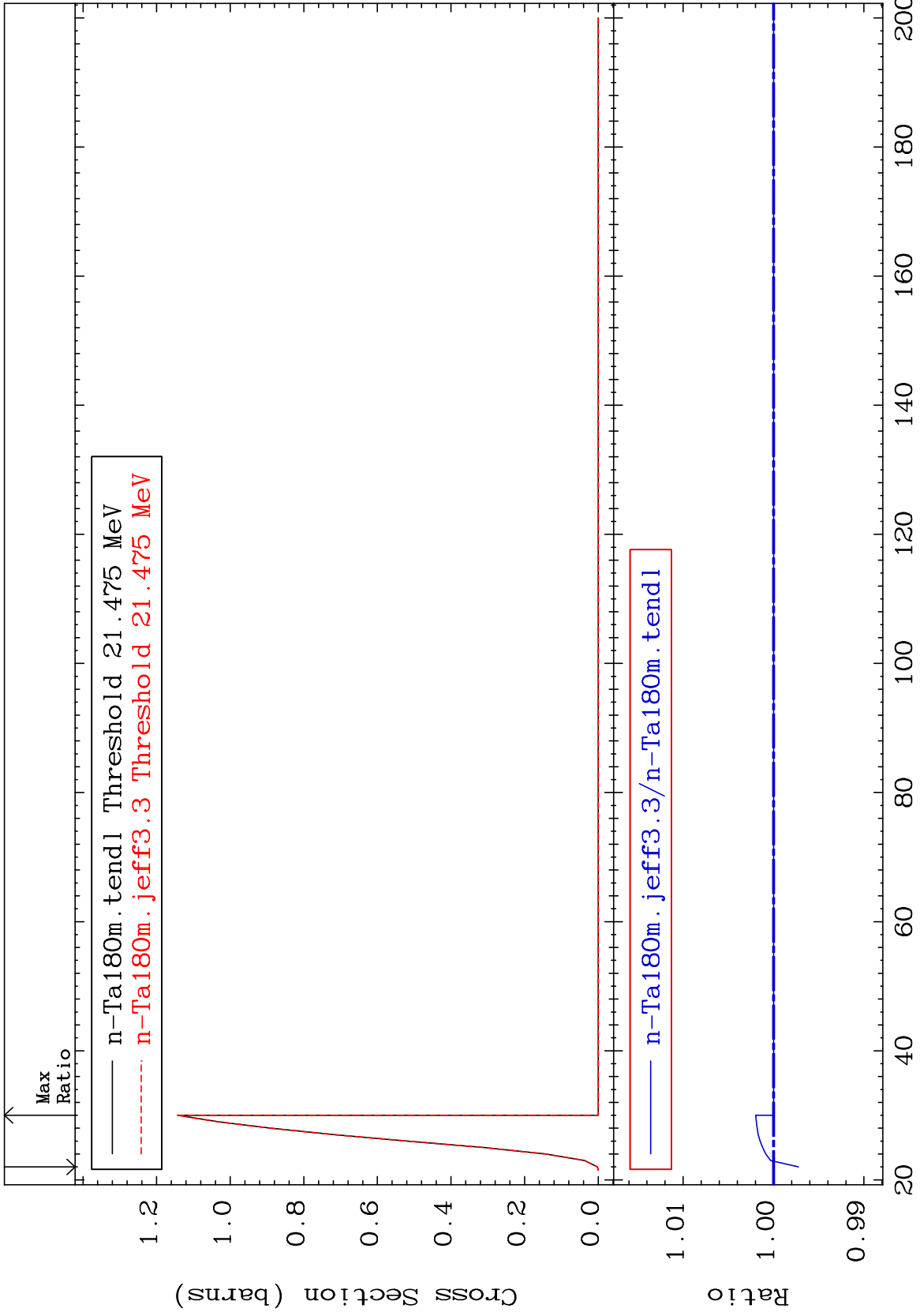


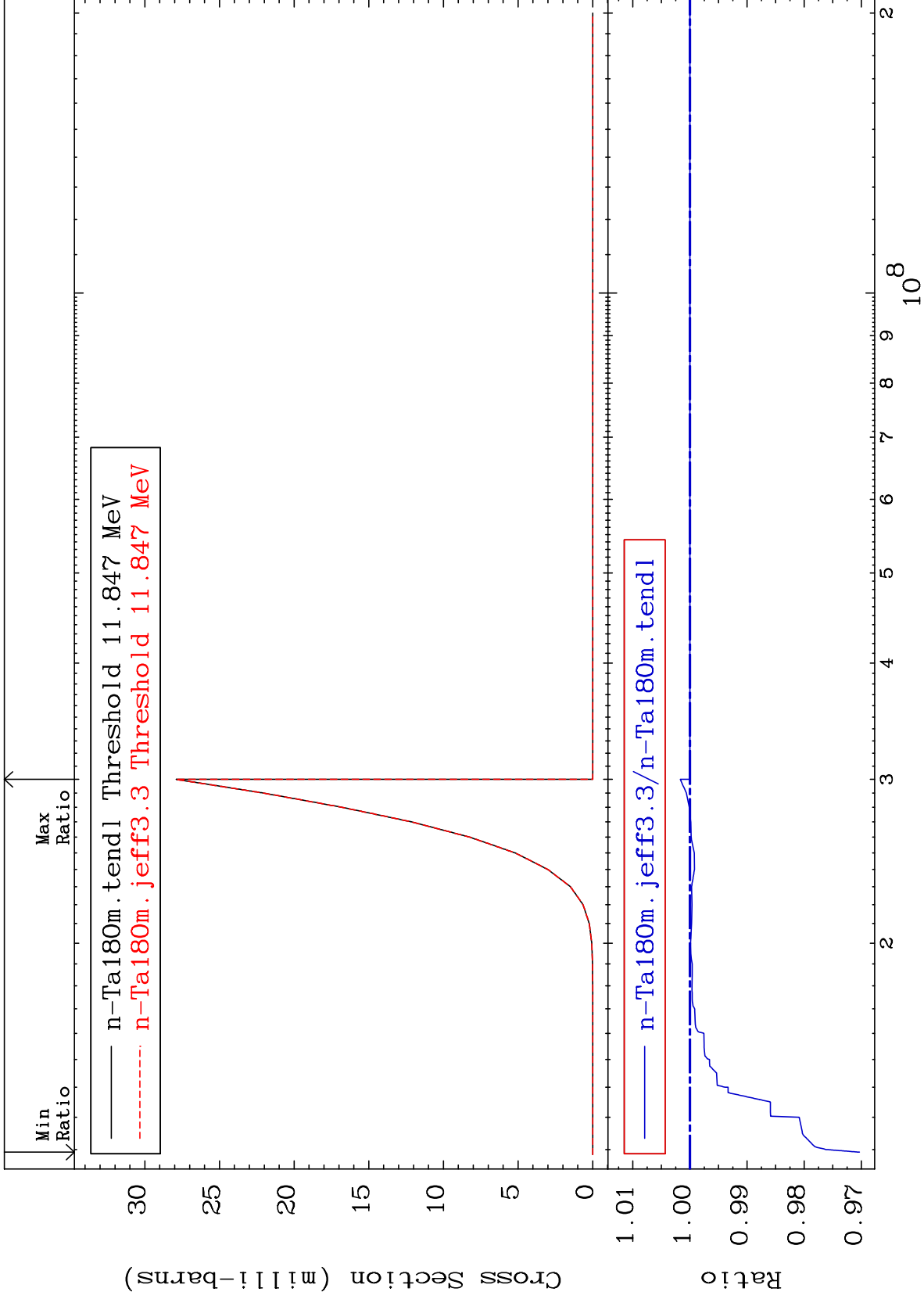


MAT 7326

(n,4n)
Cross Section

⁷³Ta-180
-0.275 To 0.197 %

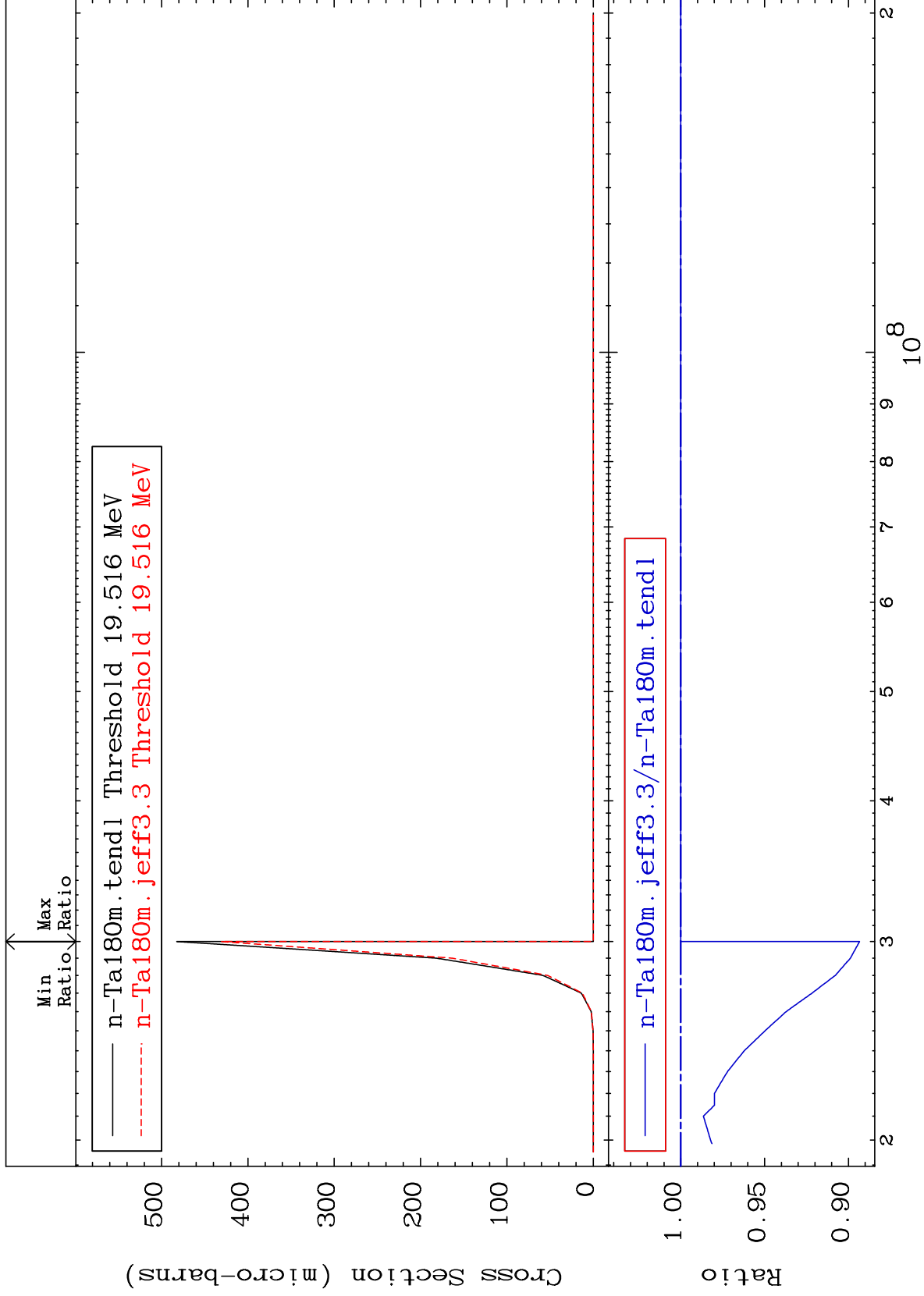




MAT 7326

(n,3n) p
Cross Section

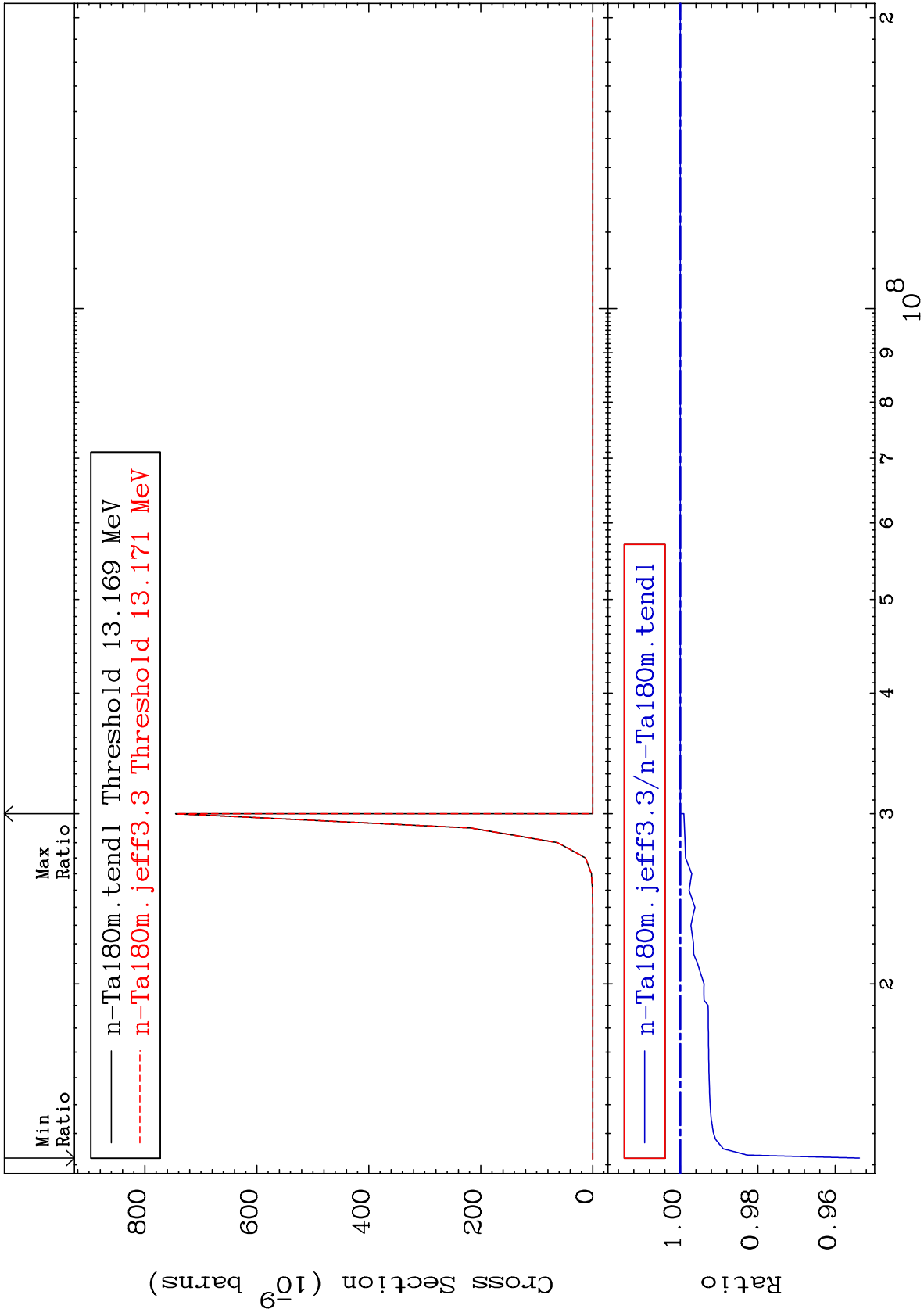
⁷³Ta-180
-10.66 To 0.000 %



17

Incident Energy (eV)

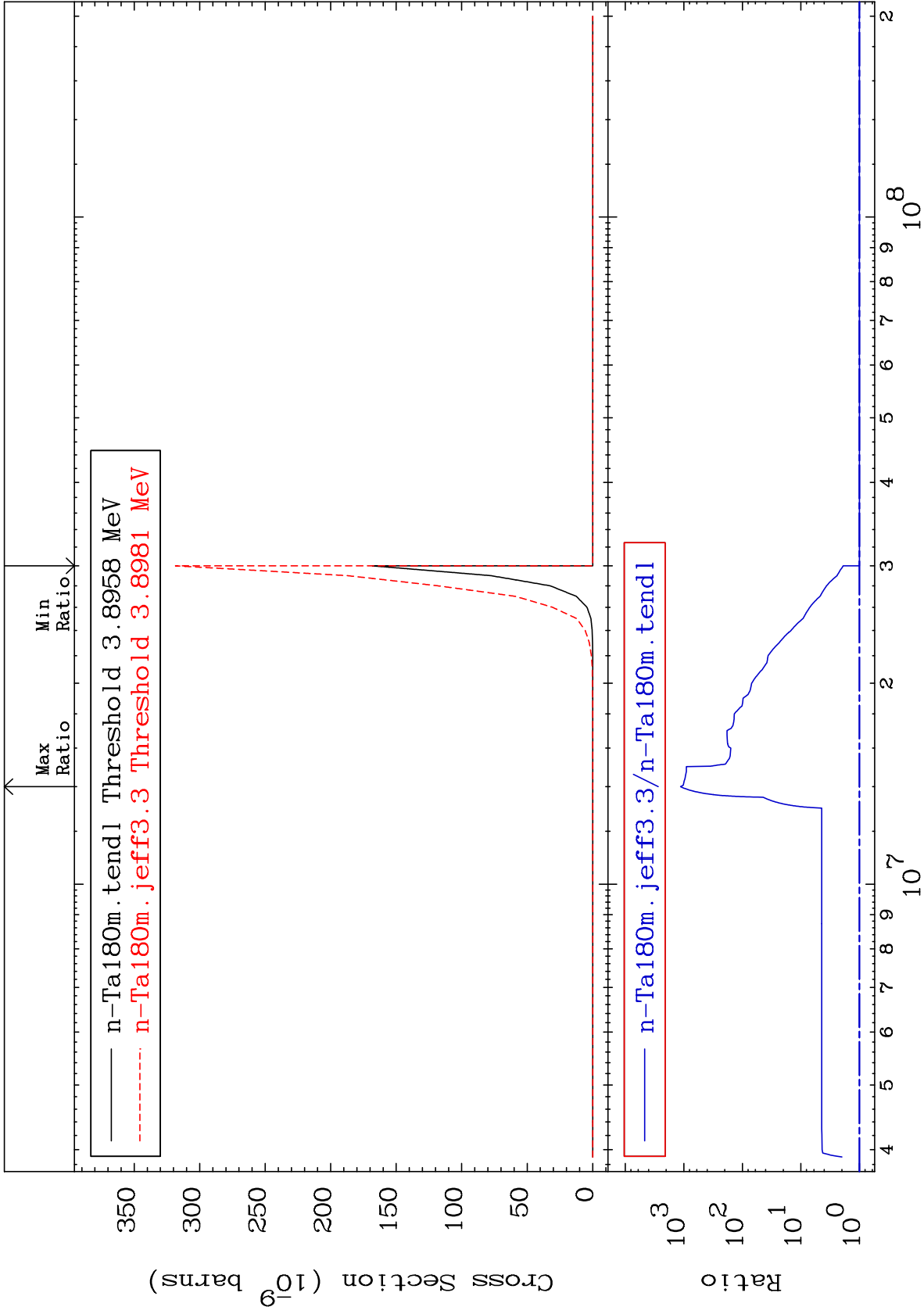
⁷³Ta-180



MAT 7326

(n,n') p α
Cross Section

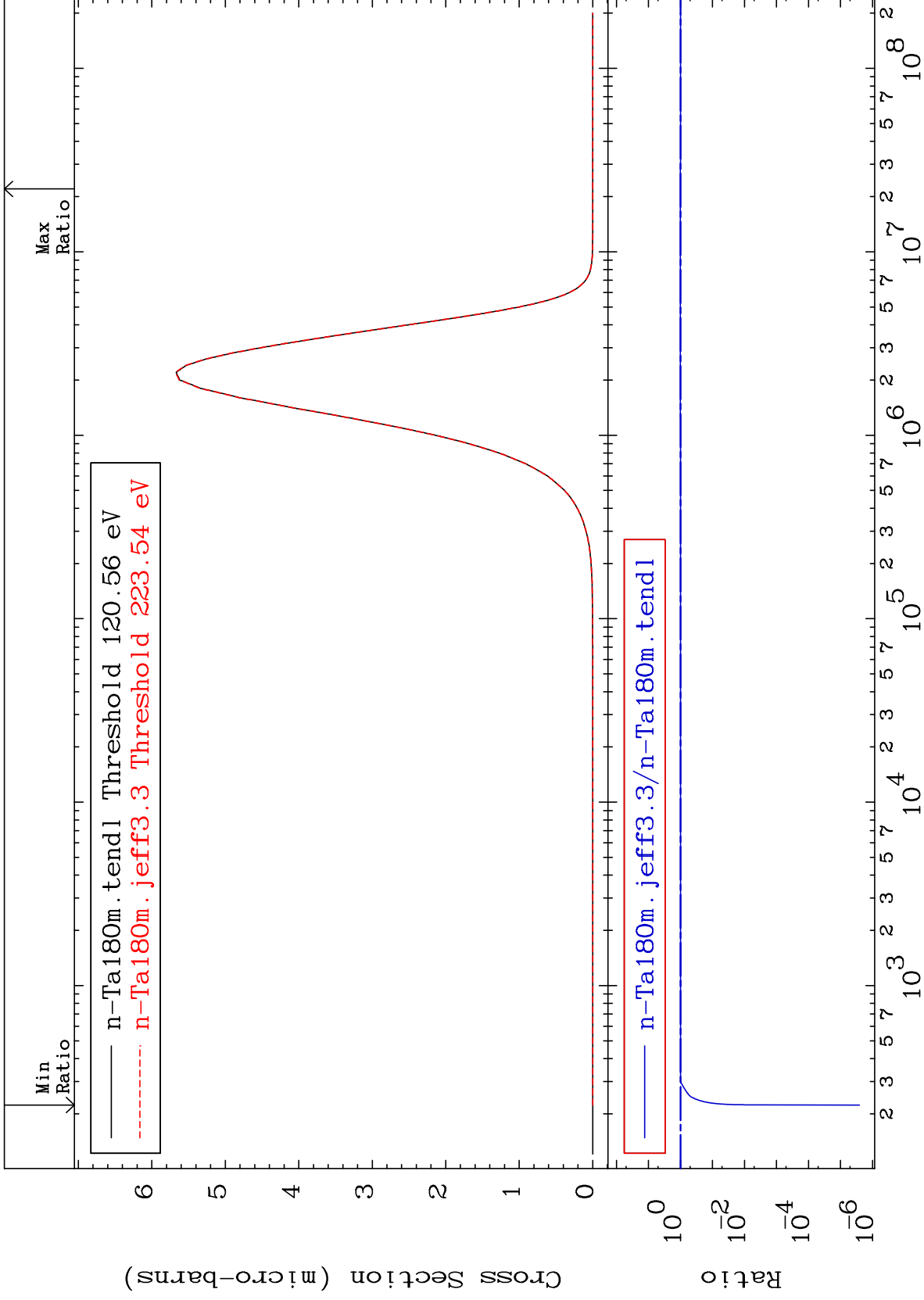
73-Ta-180
To 9999. %
0.000



MAT 7326

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

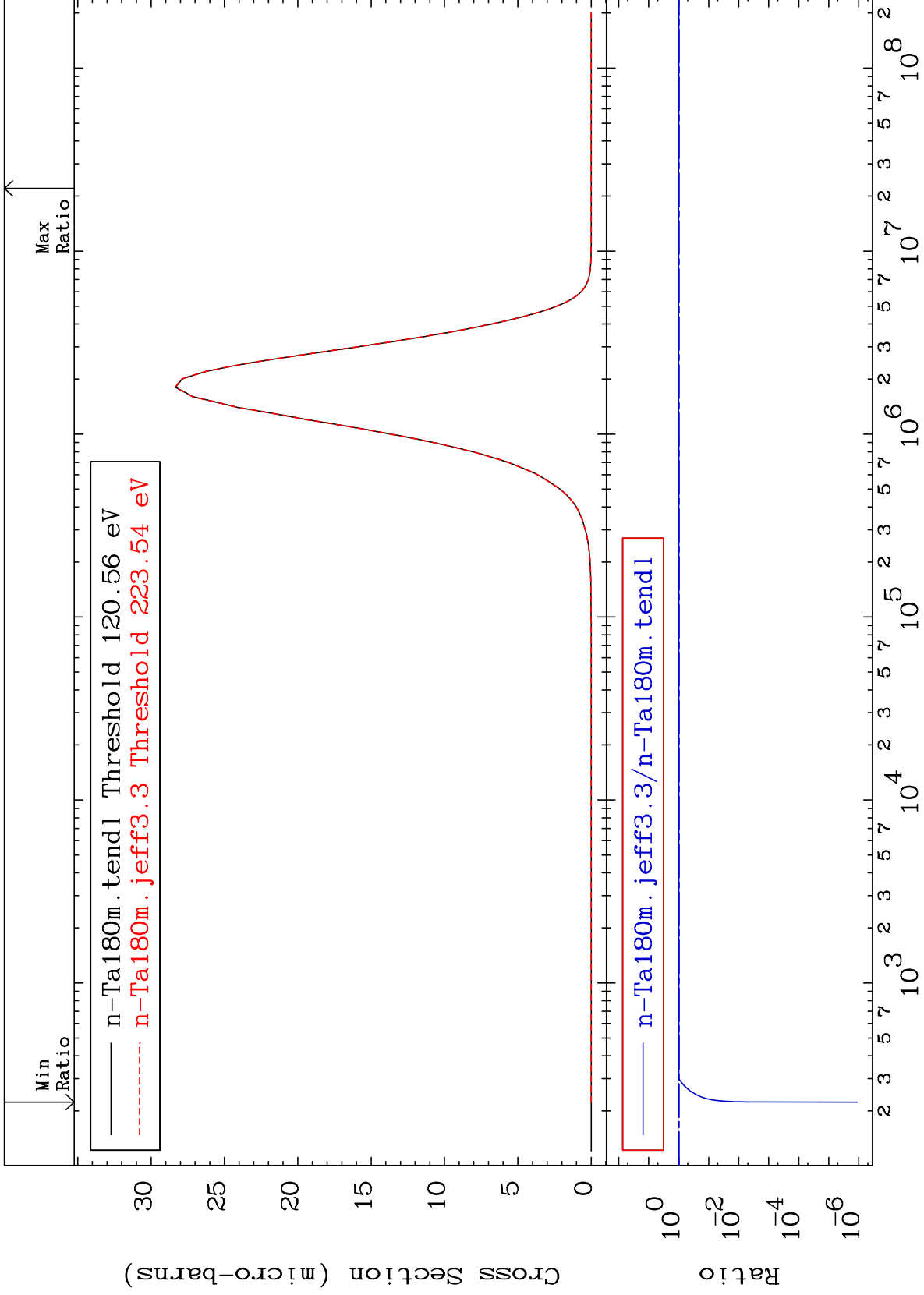
73-Ta-180
-100.0 To 0.519 %



MAT 7326

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

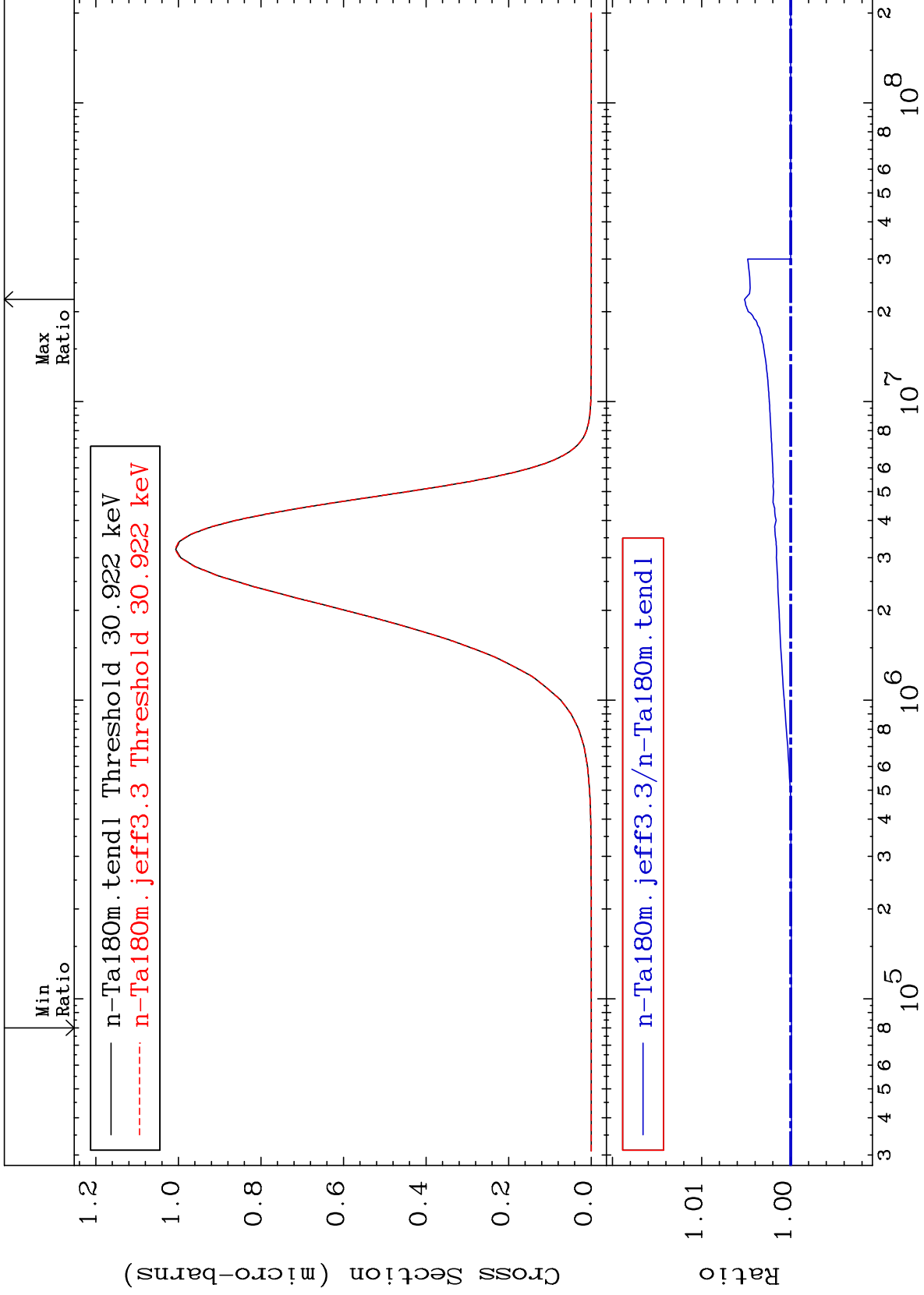
73-Ta-180
-100.0 To 0.519 %



MAT 7326

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

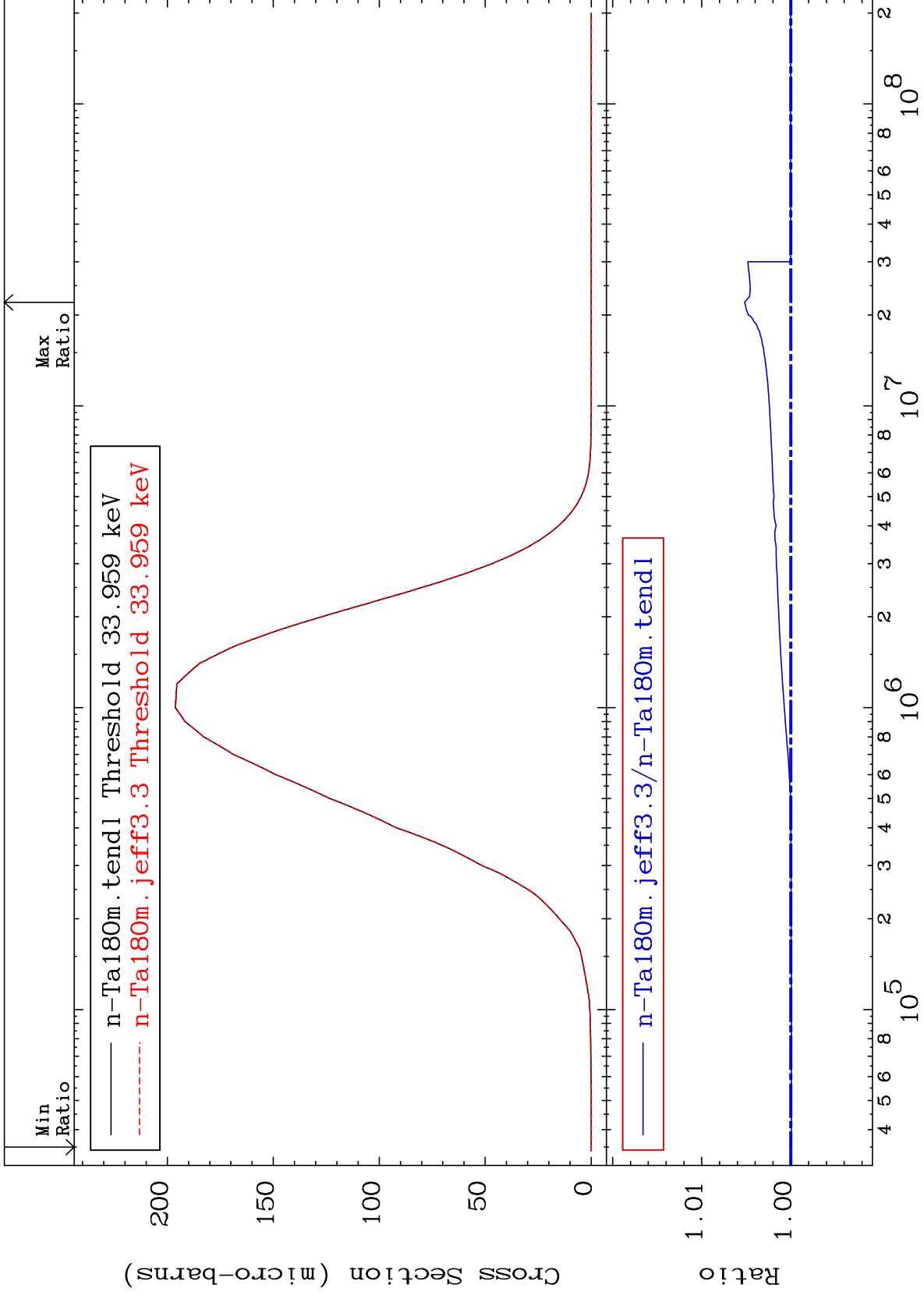
73-Ta-180
-0.009 To 0.519 %



MAT 7326

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

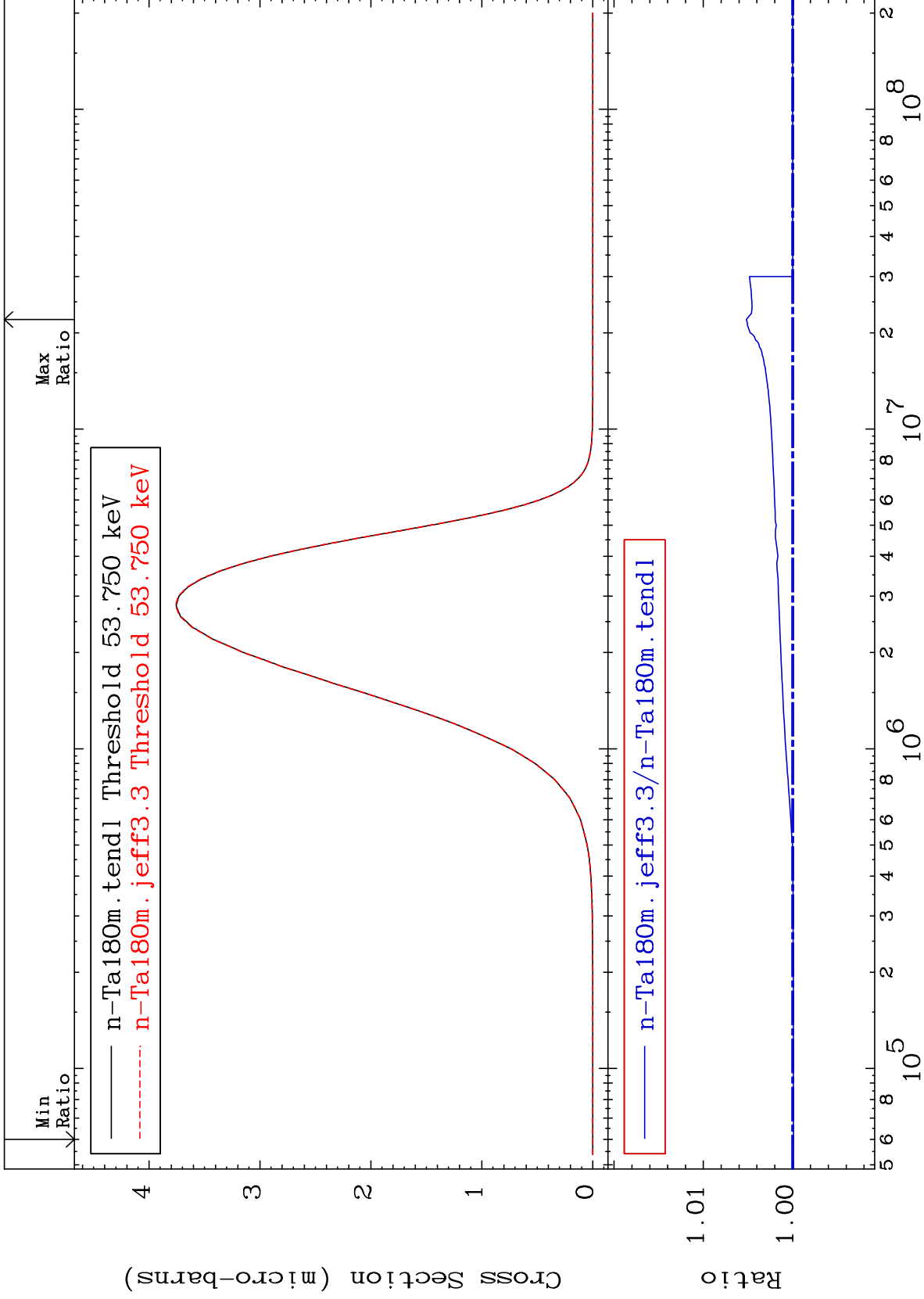
⁷³Ta-180
-0.006 To 0.519 %



MAT 7326

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

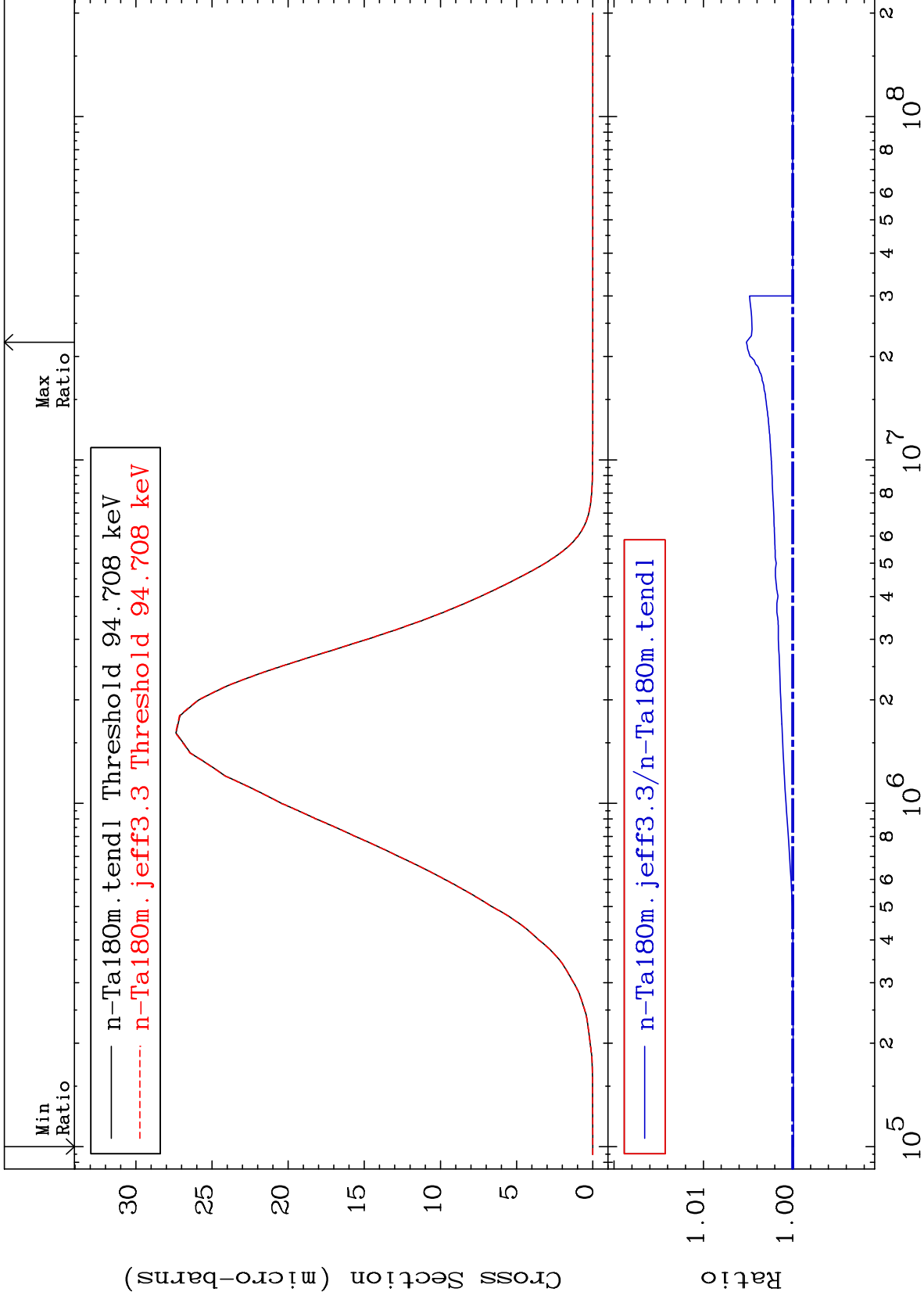
⁷³Ta-180
-0.009 To 0.519 %



MAT 7326

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

73-Ta-180
-0.009 To 0.519 %



25

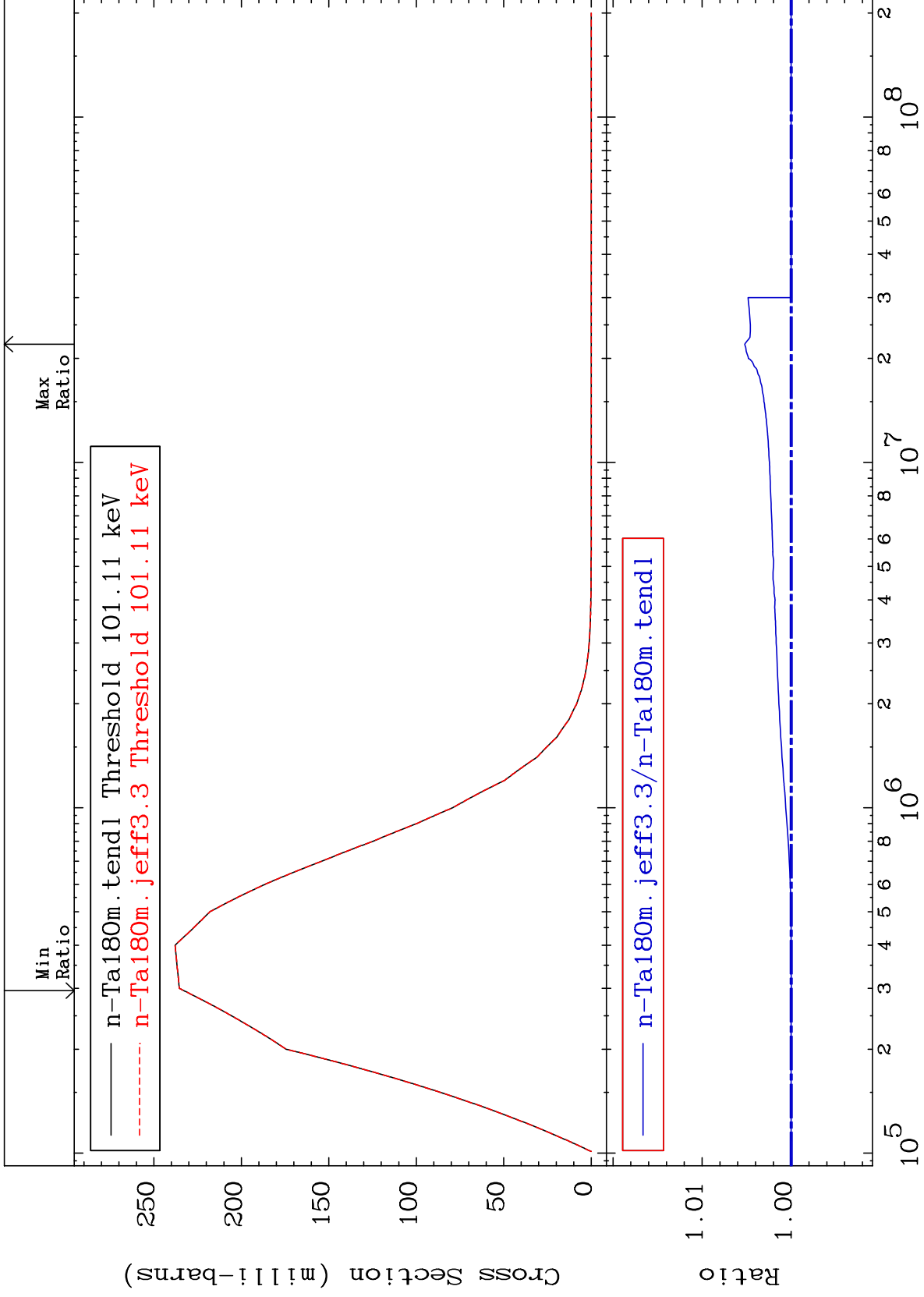
Incident Energy (eV)

73-Ta-180

MAT 7326

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

73-Ta-180
0.000 To 0.522 %



26

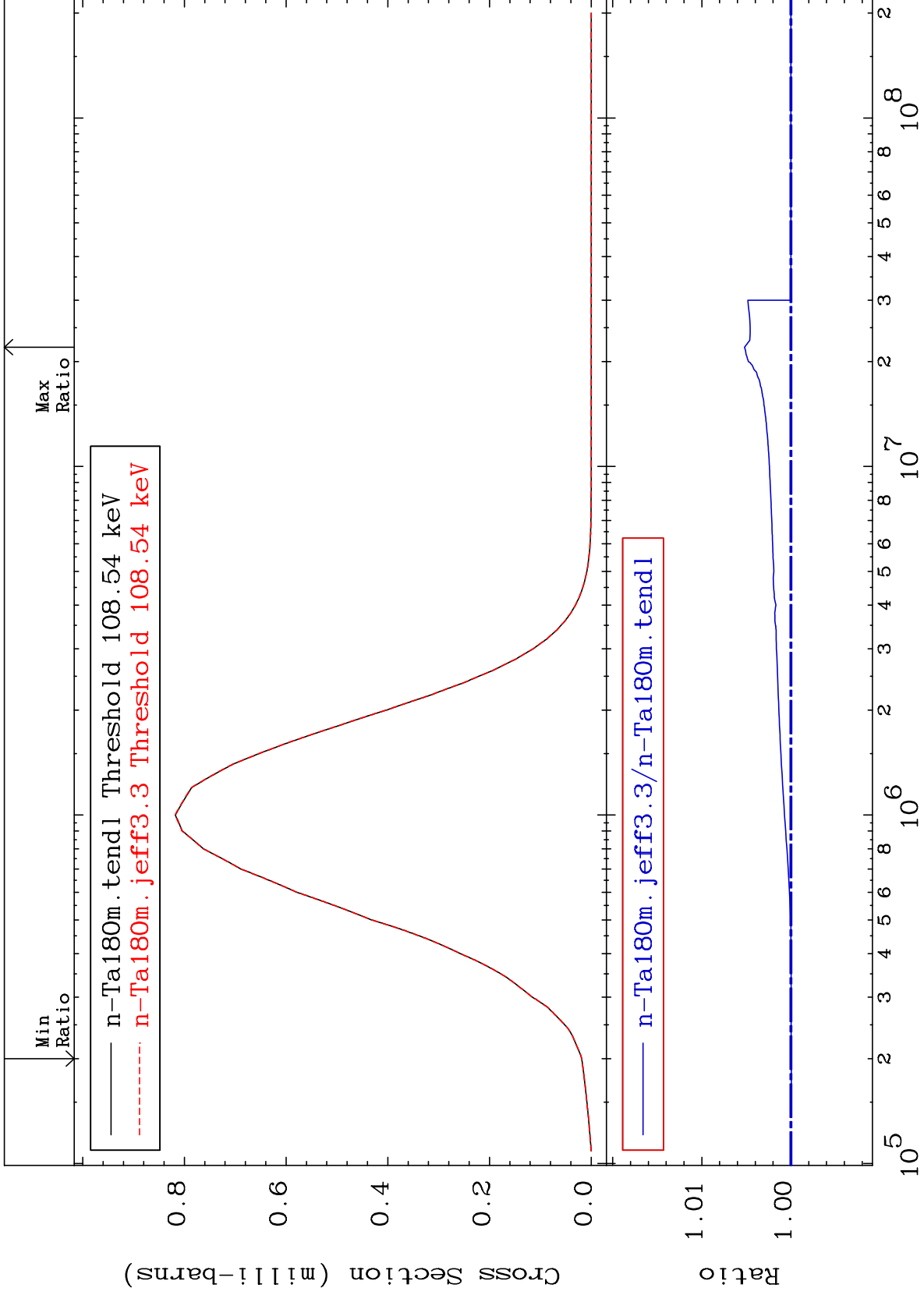
Incident Energy (eV)

73-Ta-180

MAT 7326

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

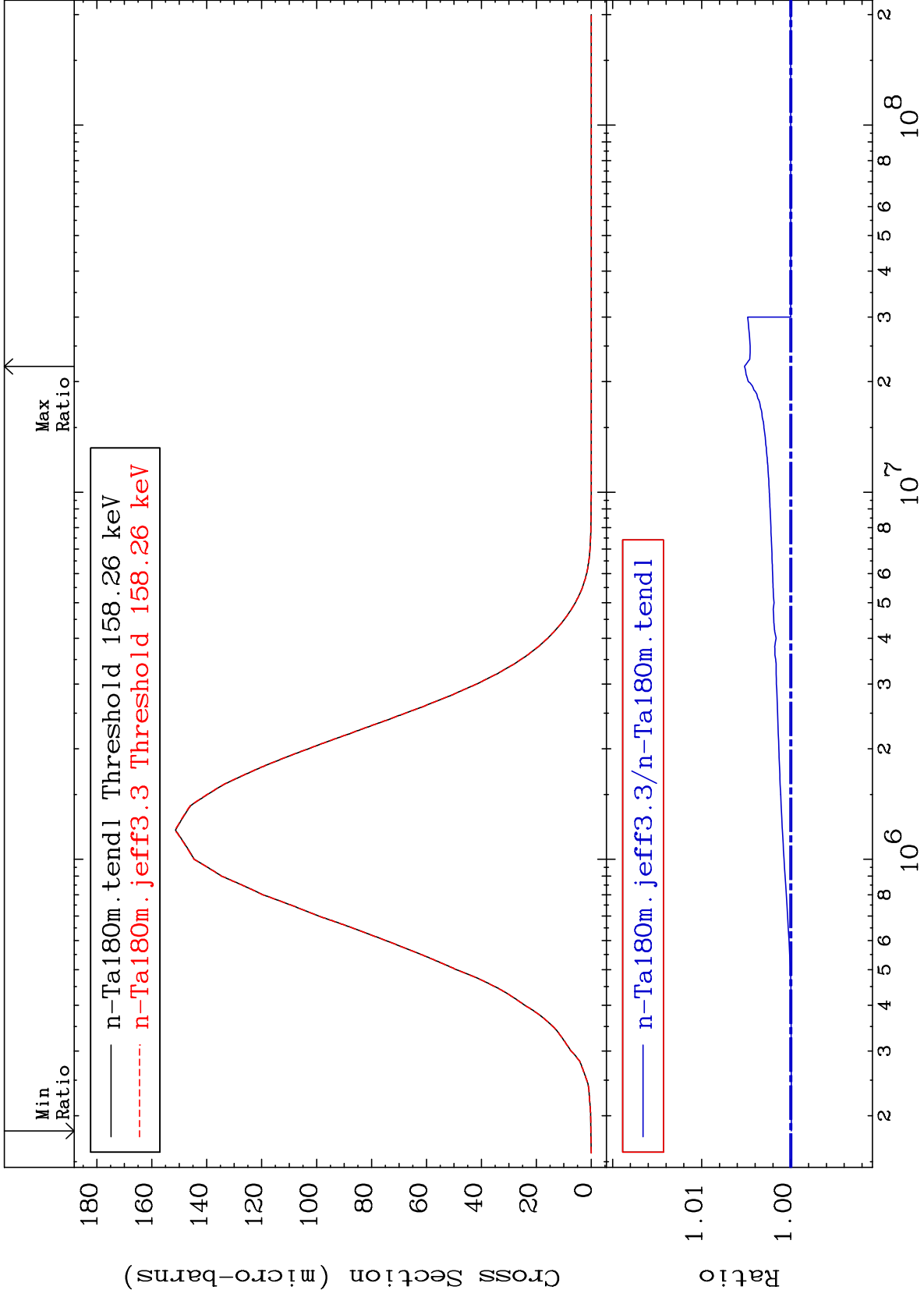
73-Ta-180
-0.004 To 0.520 %



MAT 7326

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

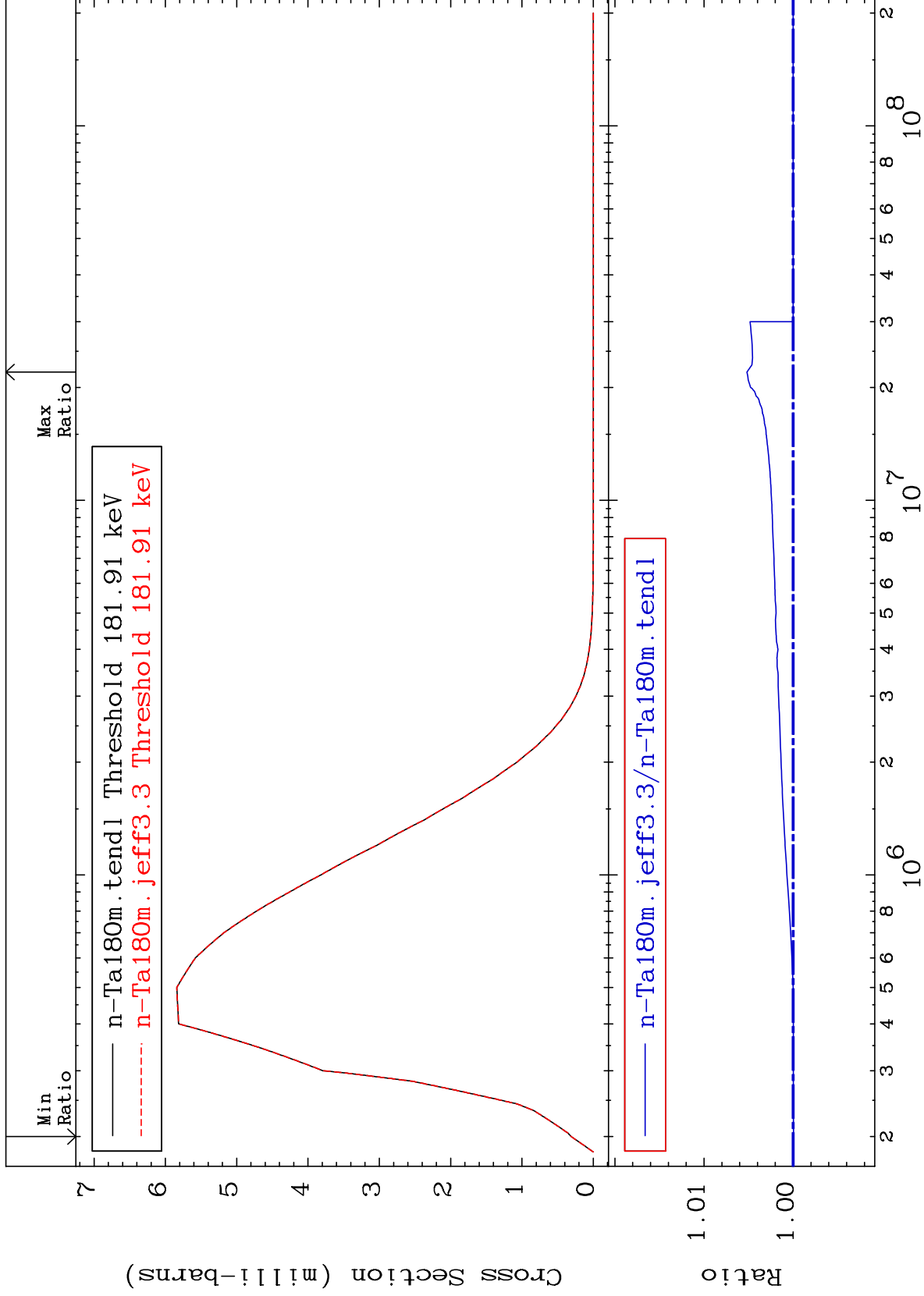
⁷³Ta-180
-0.007 To 0.519 %



MAT 7326

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

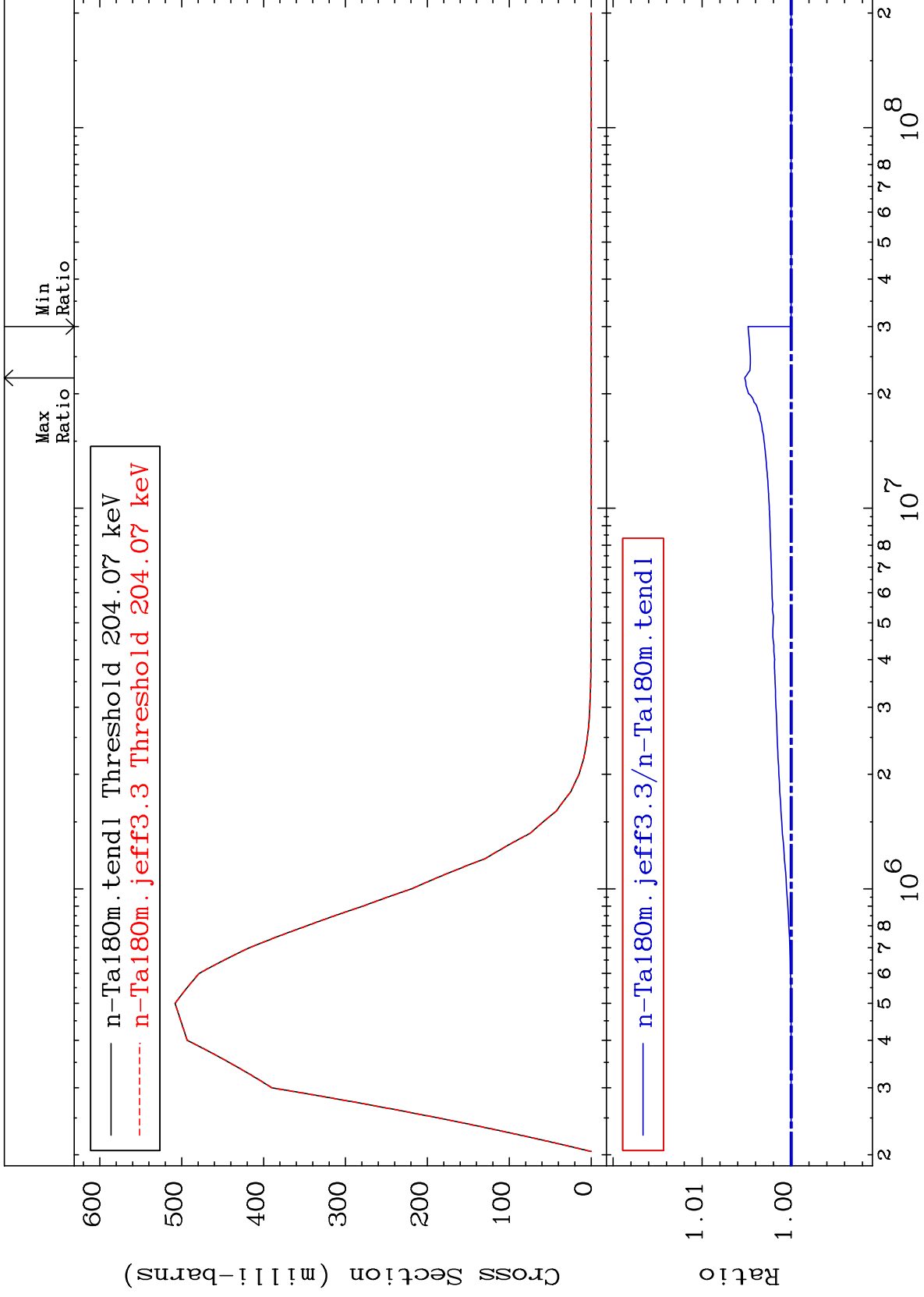
73-Ta-180
-0.004 To 0.520 %



MAT 7326

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

73-Ta-180
To 0.522 %



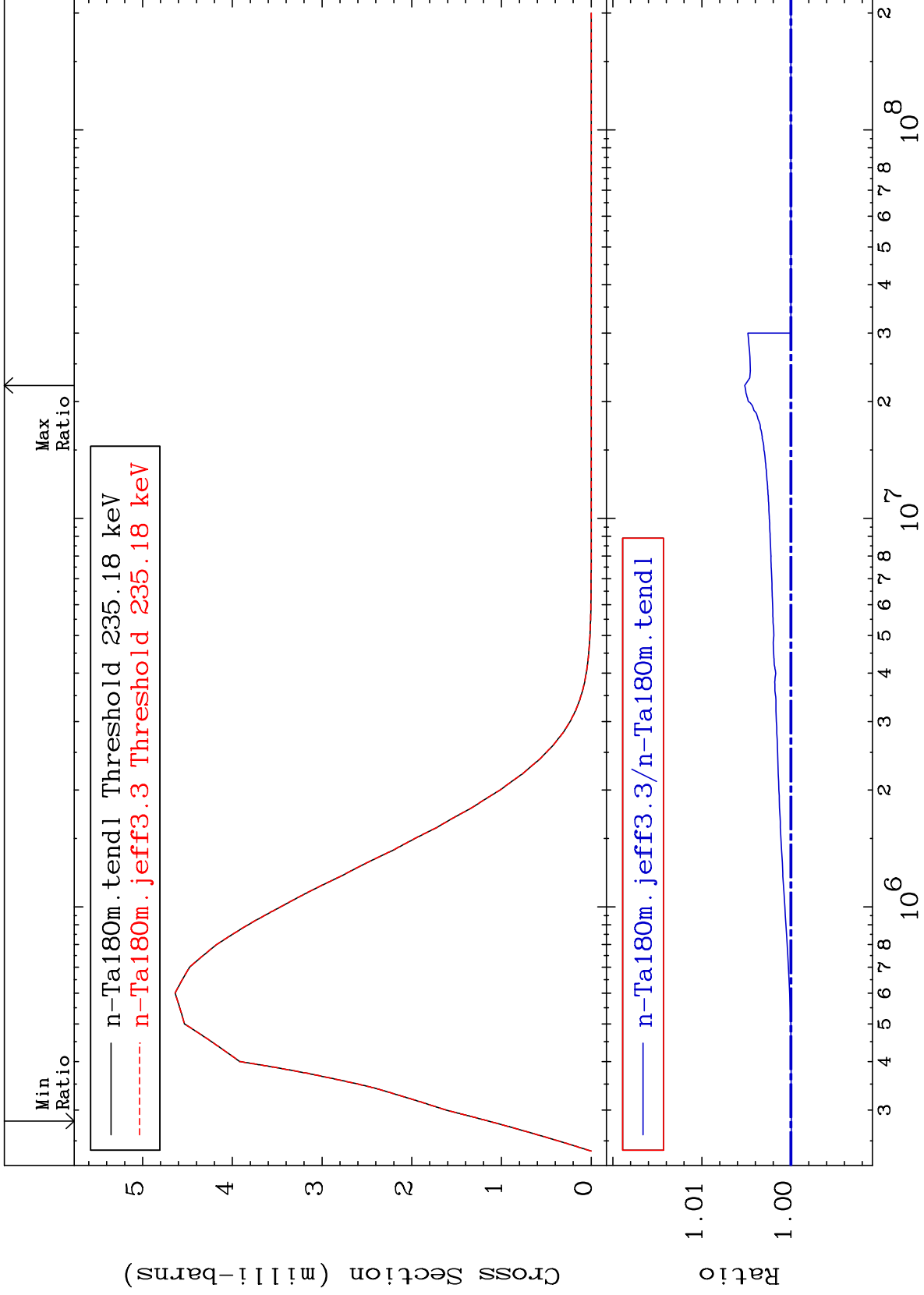
30

73-Ta-180

MAT 7326

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

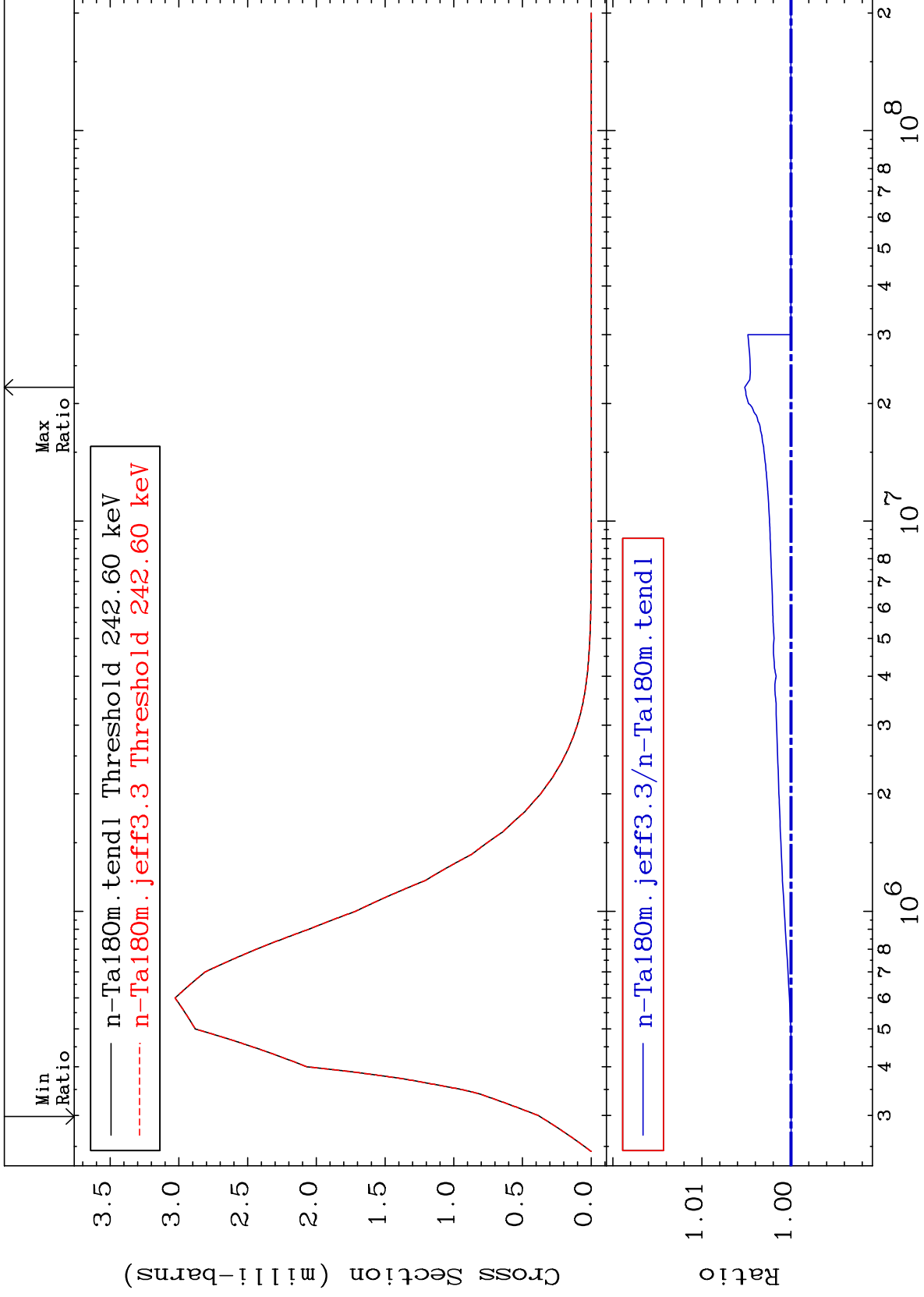
73-Ta-180
-0.003 To 0.520 %



MAT 7326

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

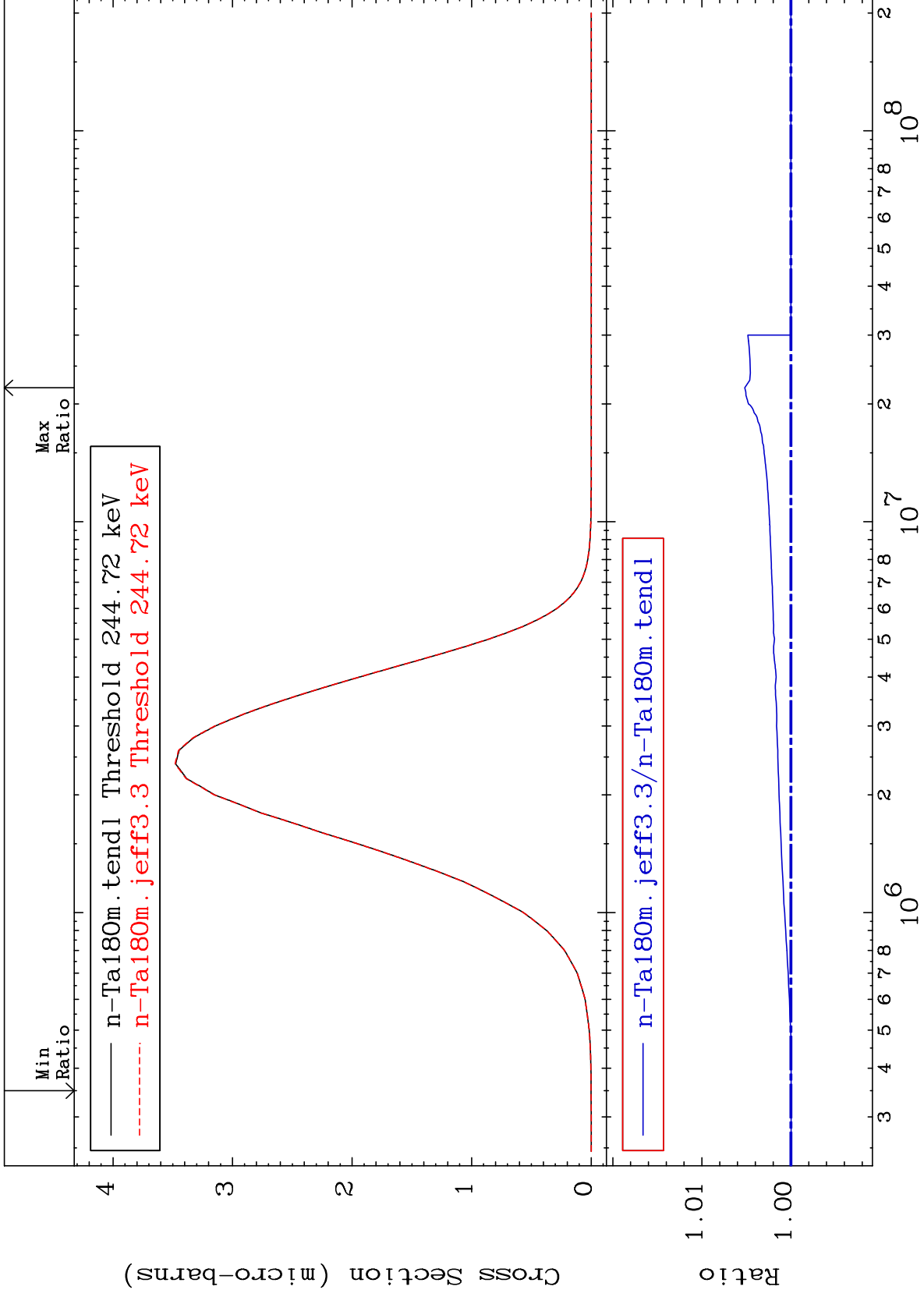
73-Ta-180
-0.003 To 0.519 %



MAT 7326

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

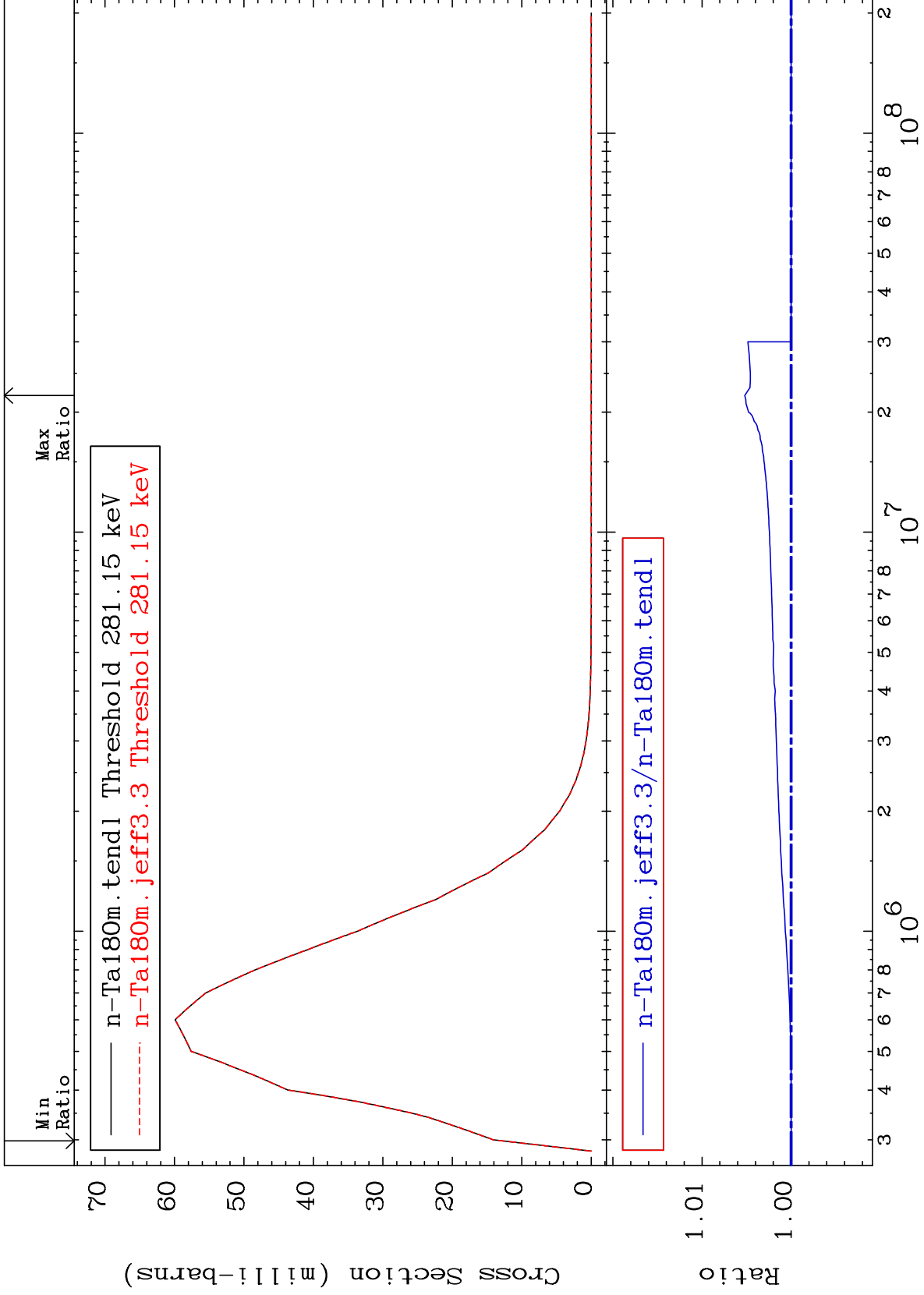
⁷³Ta-180
-0.002 To 0.518 %



MAT 7326

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

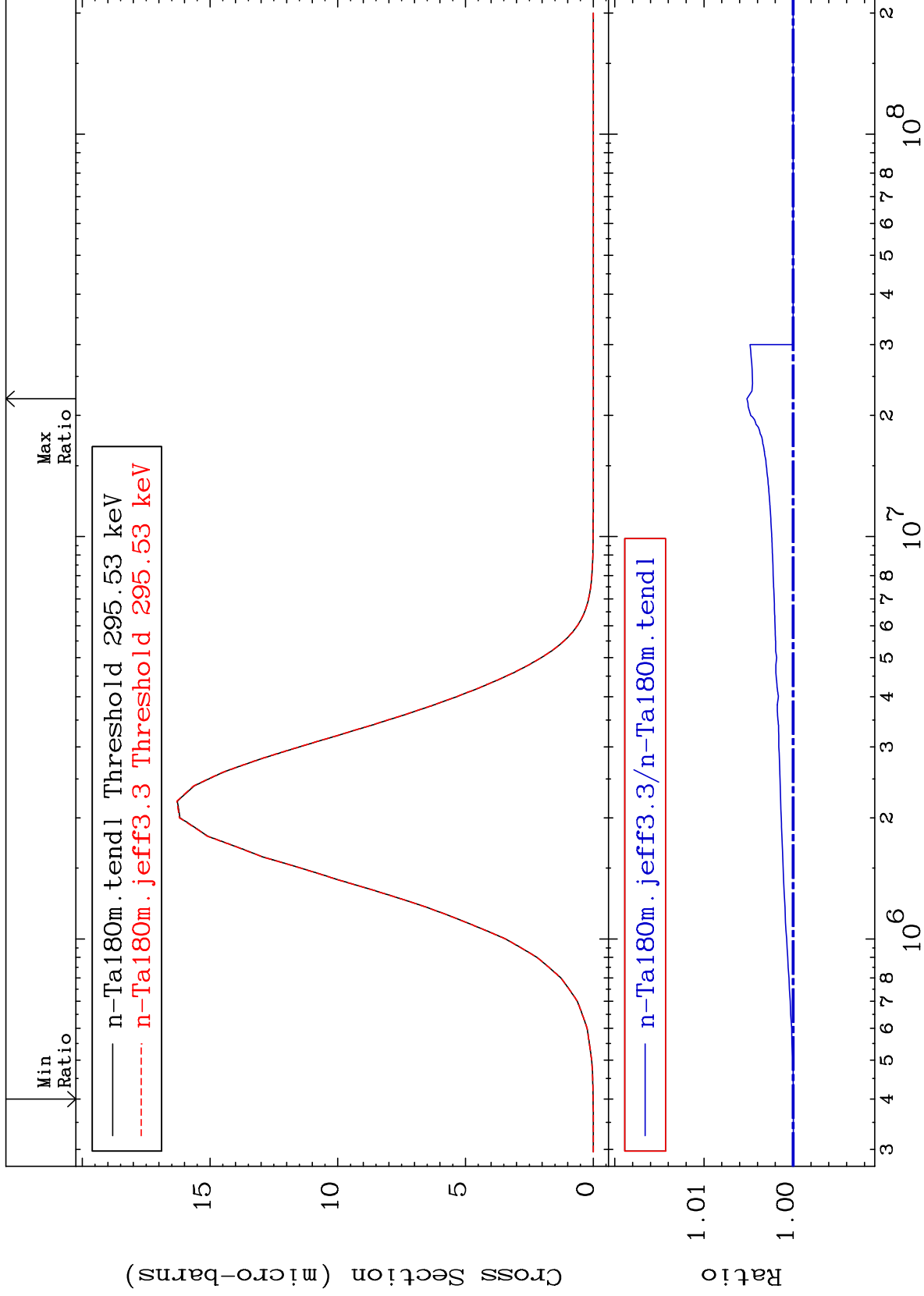
73-Ta-180
-0.001 To 0.521 %



MAT 7326

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

⁷³Ta-180
-0.003 To 0.519 %



35

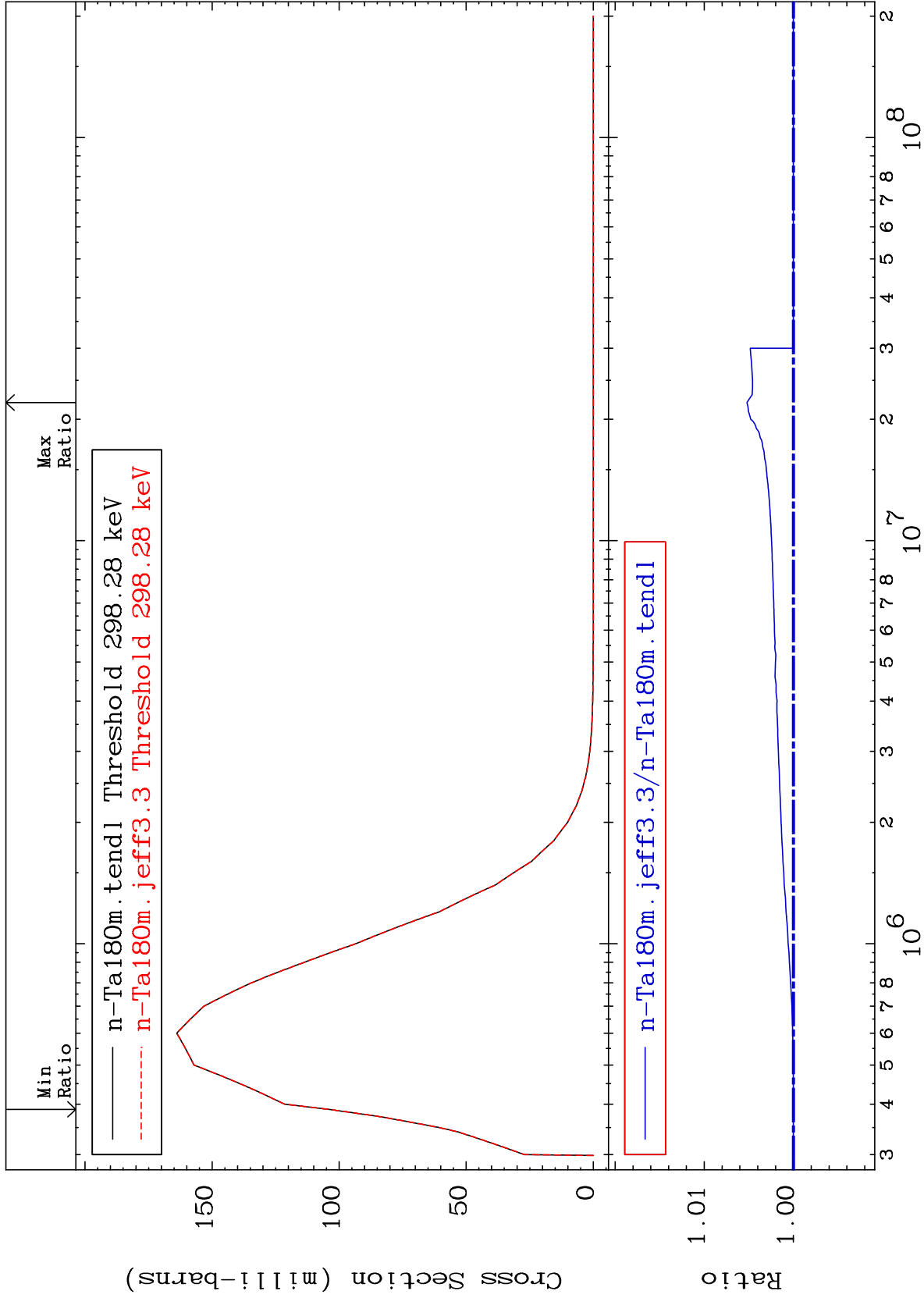
Incident Energy (eV)

⁷³Ta-180

MAT 7326

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

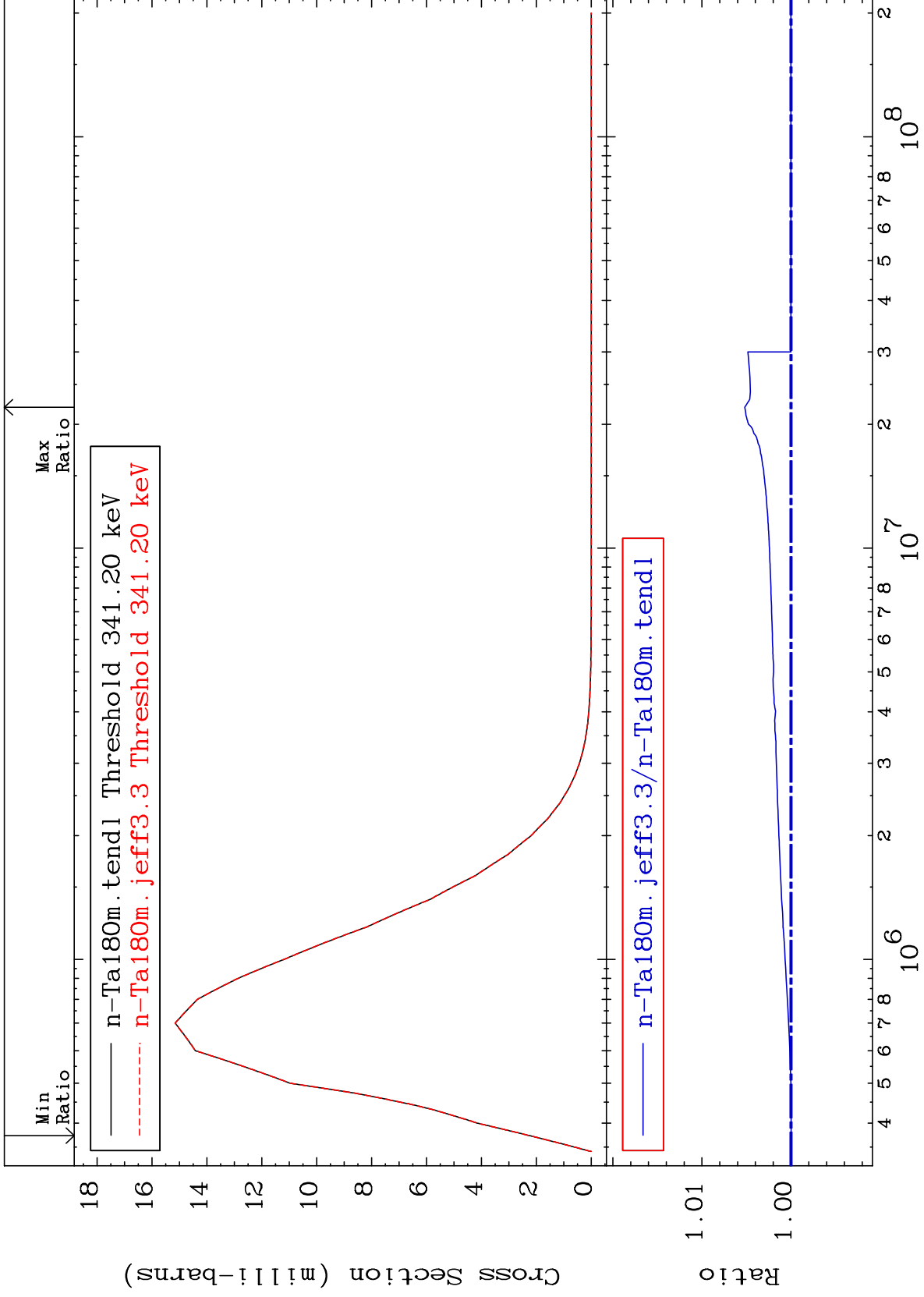
73-Ta-180
0.000 To 0.522 %



MAT 7326

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

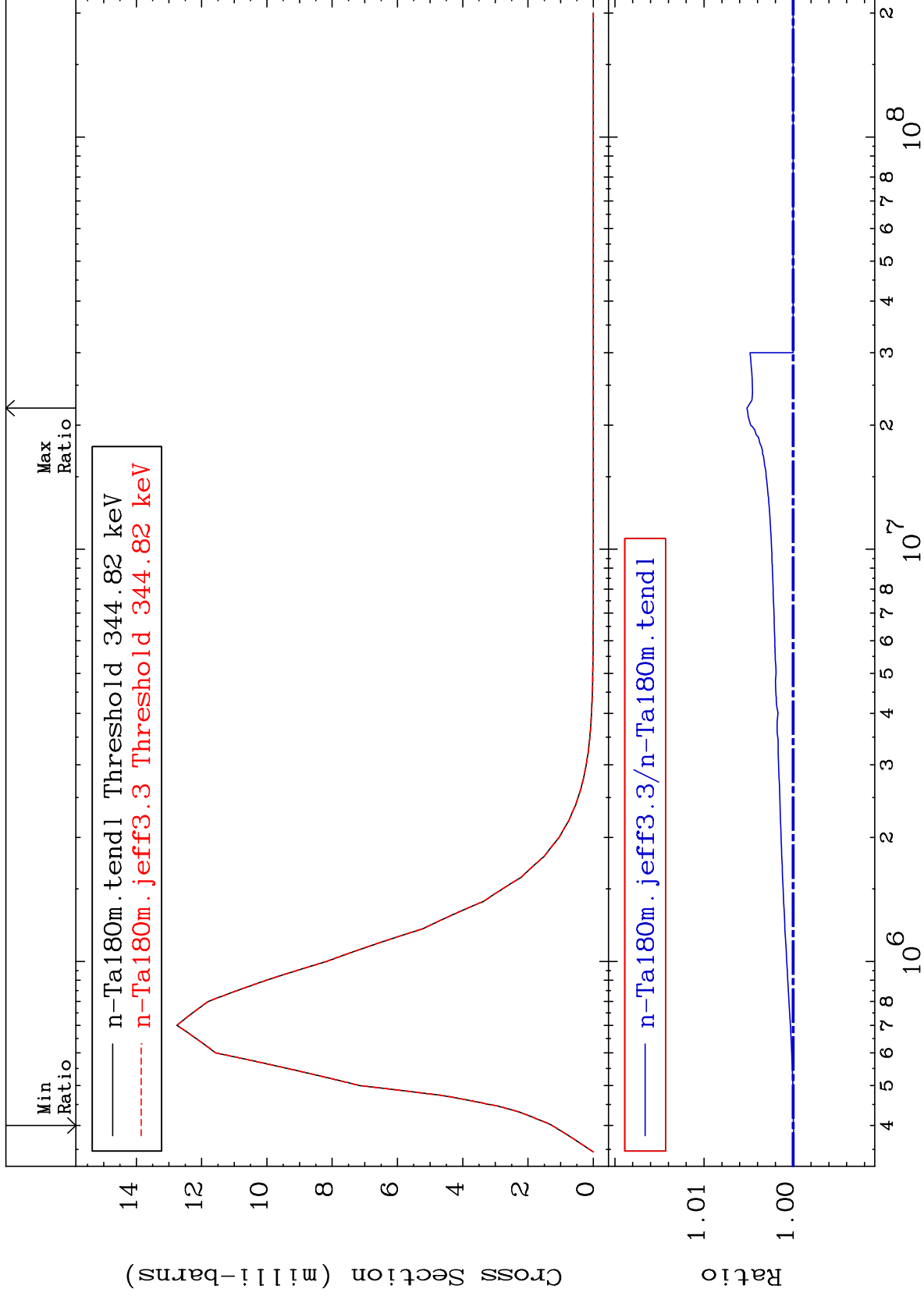
73-Ta-180
-0.002 To 0.520 %



MAT 7326

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

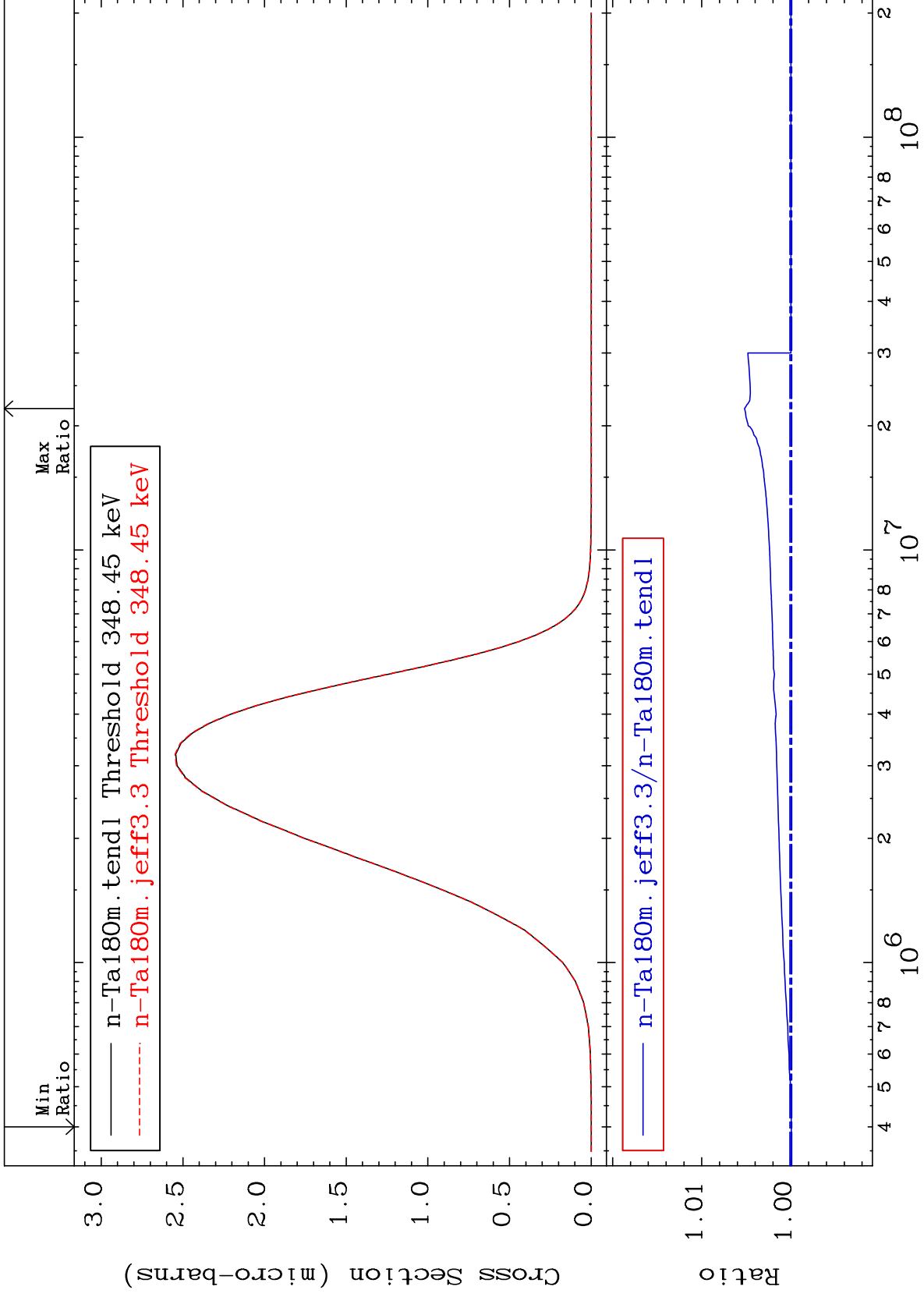
⁷³Ta-180
-0.003 To 0.520 %



MAT 7326

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

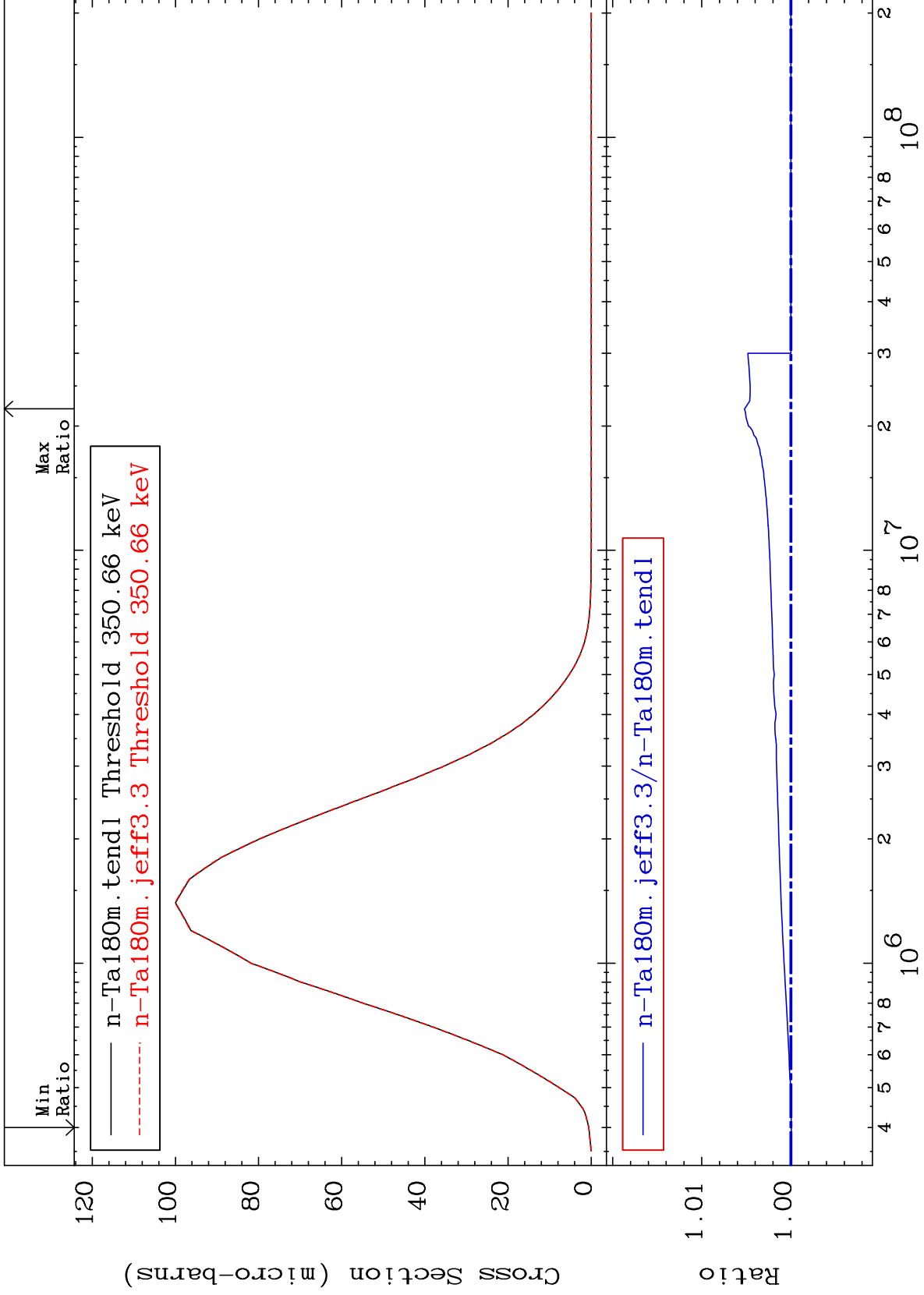
⁷³Ta-180
-0.005 To 0.519 %



MAT 7326

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

⁷³Ta-180
-0.005 To 0.519 %



40

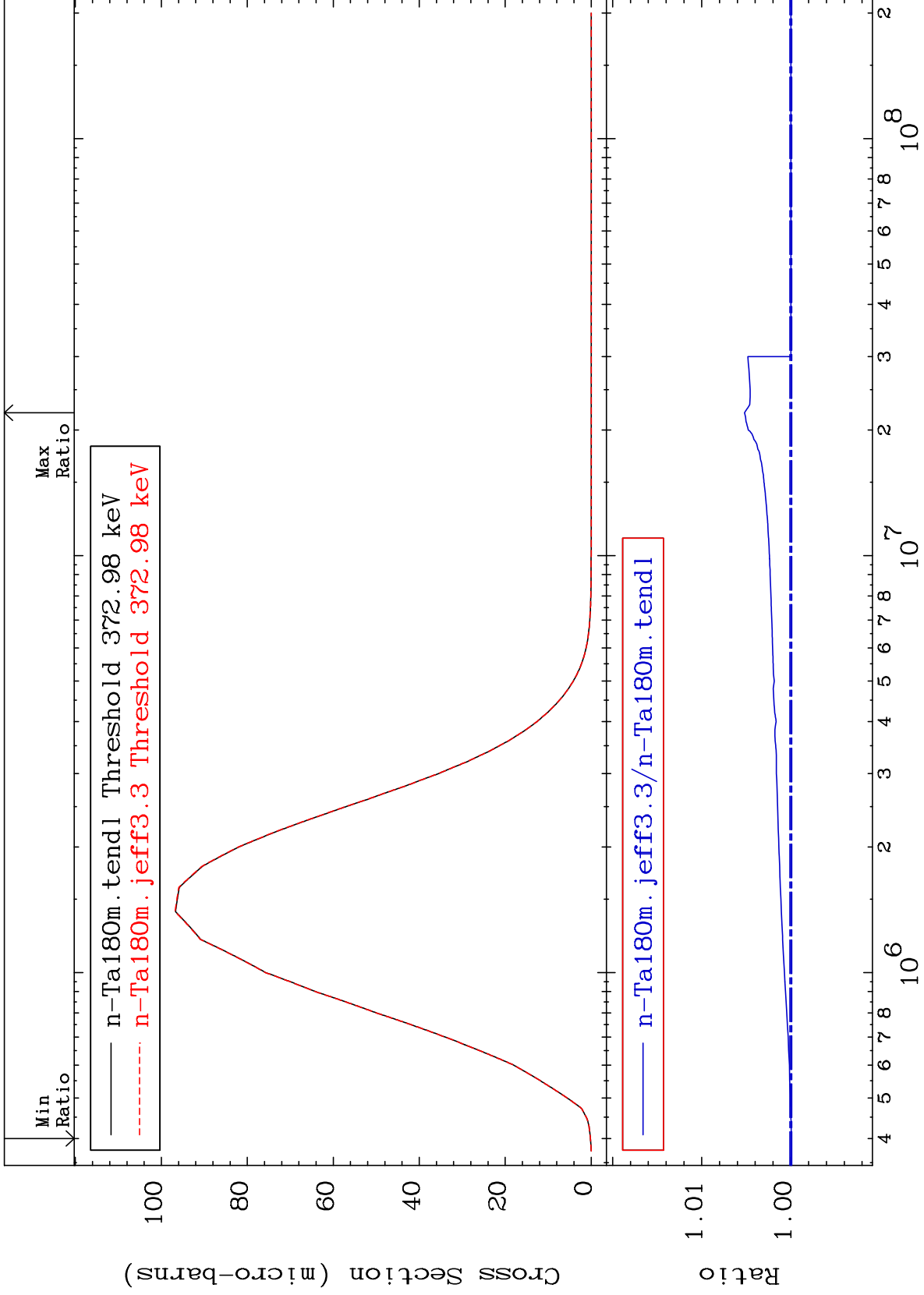
Incident Energy (eV)

⁷³Ta-180

MAT 7326

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

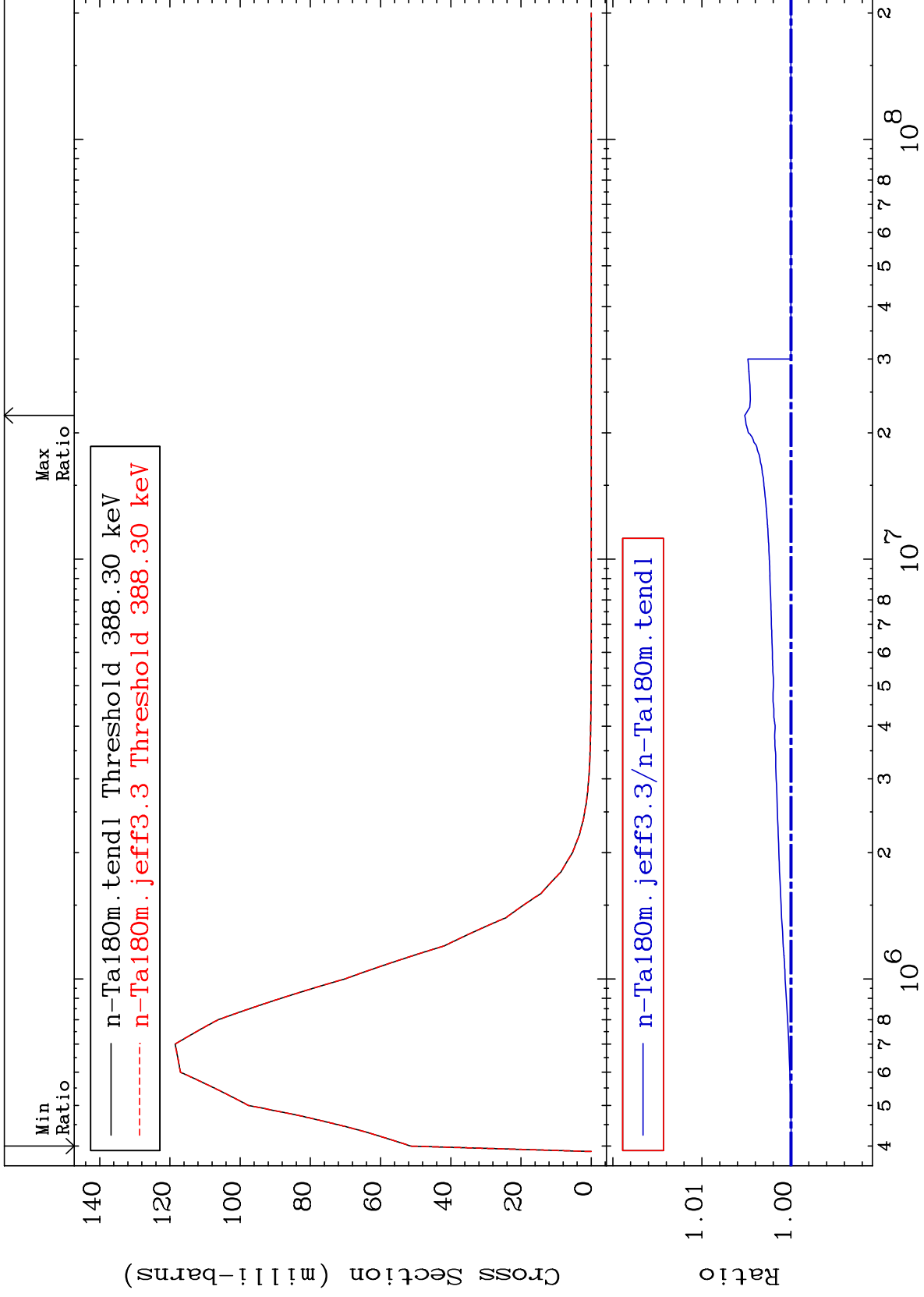
⁷³Ta-180
-0.005 To 0.519 %



MAT 7326

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

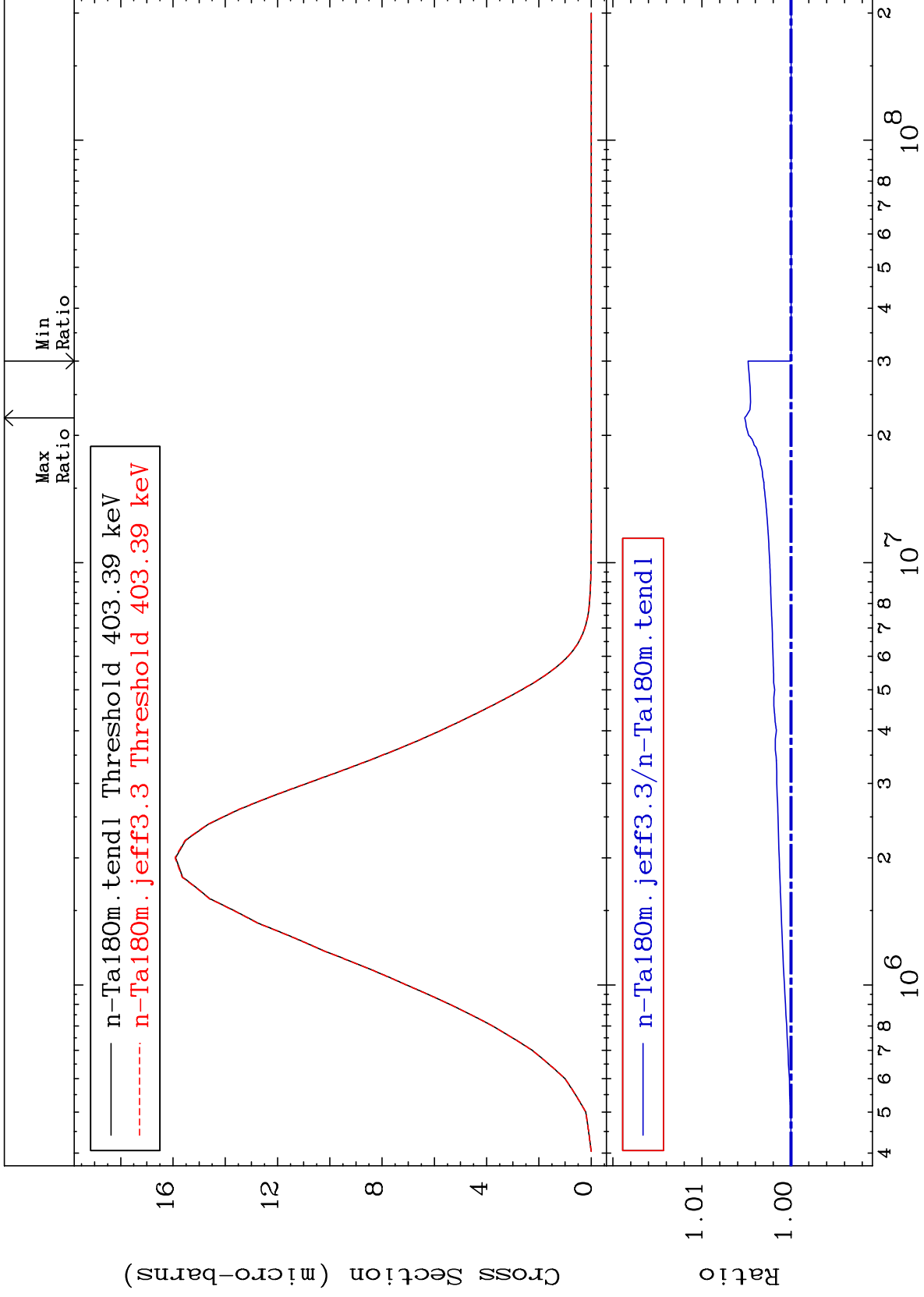
73-Ta-180
-0.002 To 0.520 %



MAT 7326

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

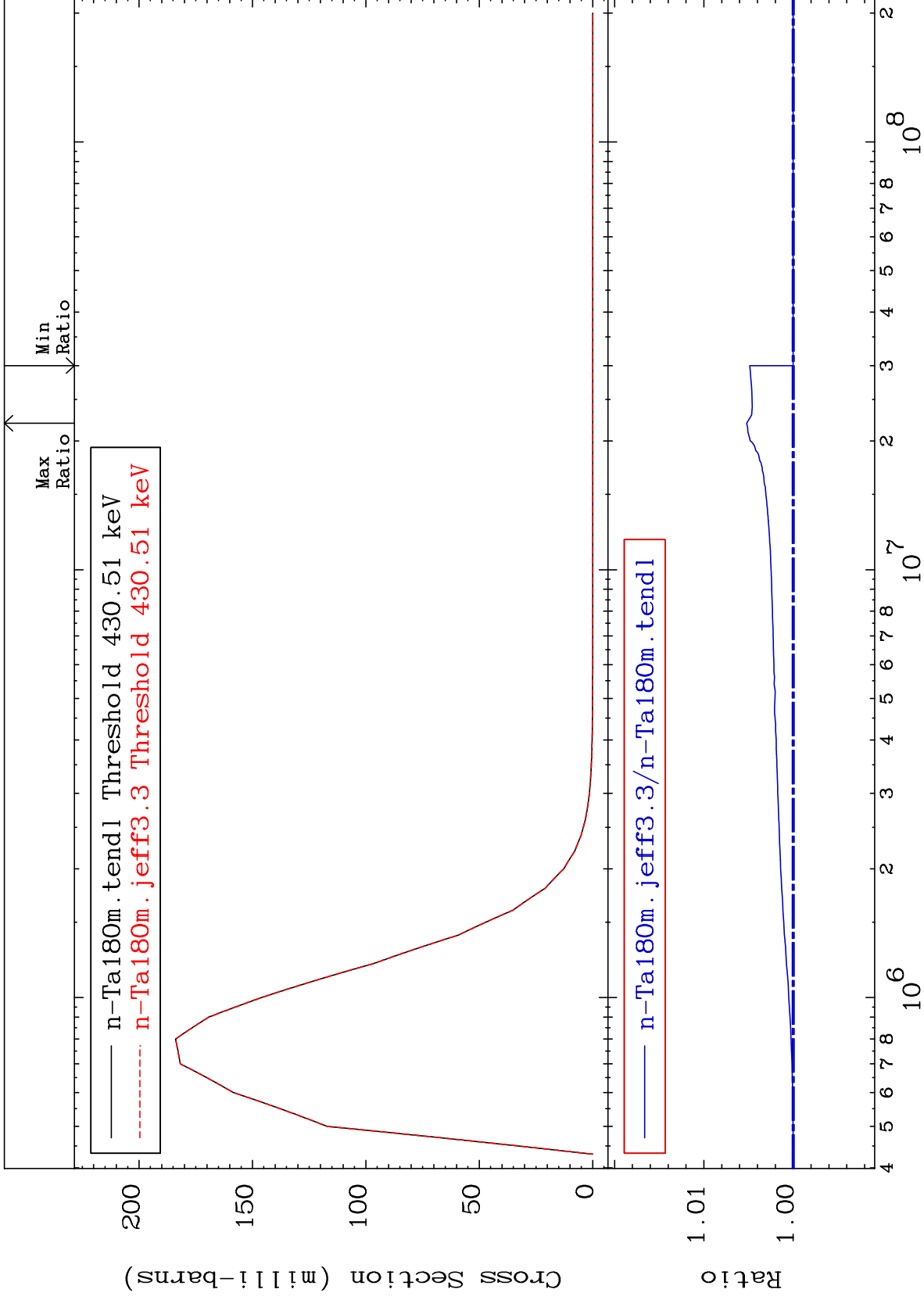
73-Ta-180
0.000 To 0.519 %



MAT 7326

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

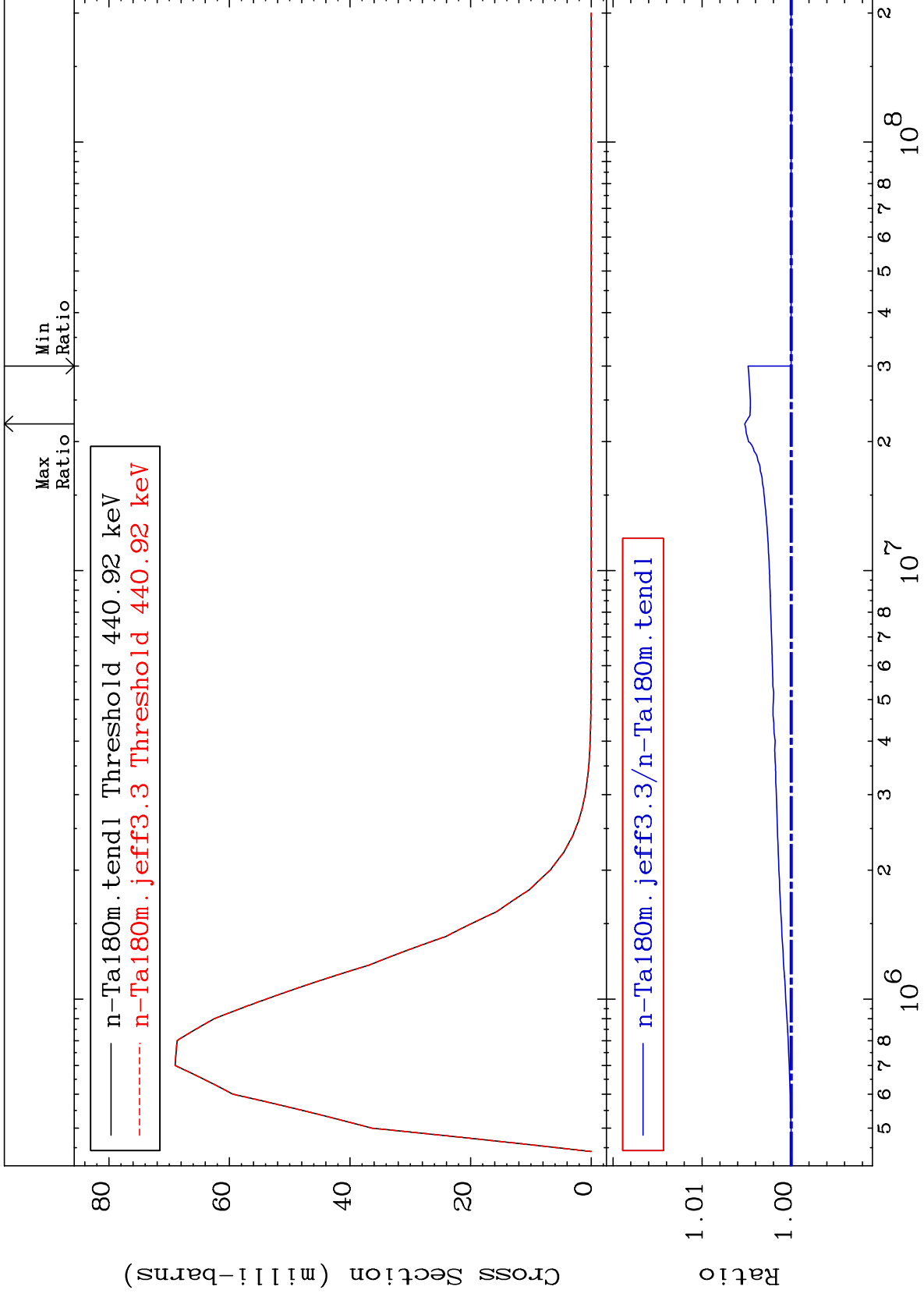
73-Ta-180
0.000 To 0.521 %



MAT 7326

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

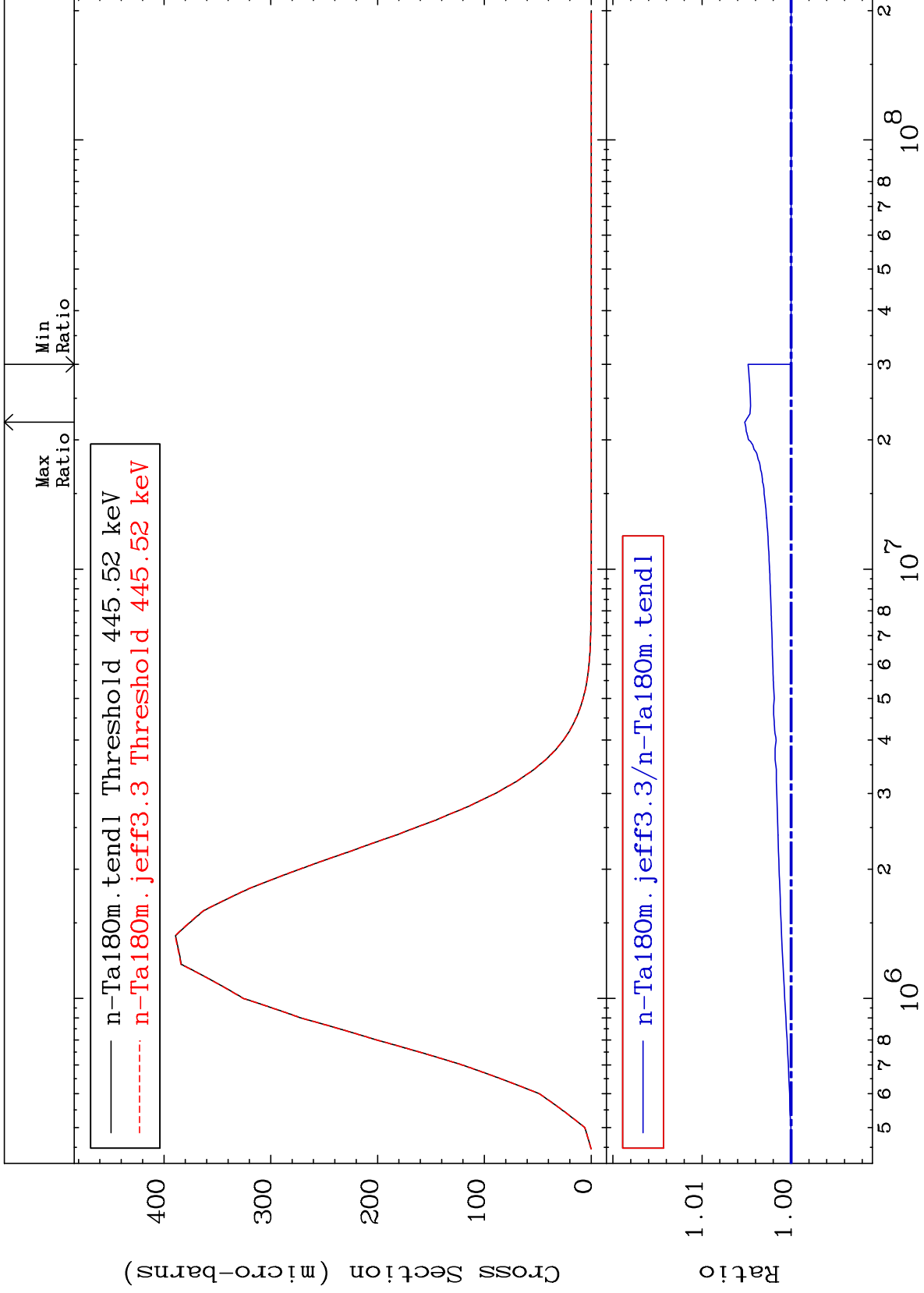
73-Ta-180
0.000 To 0.521 %



MAT 7326

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

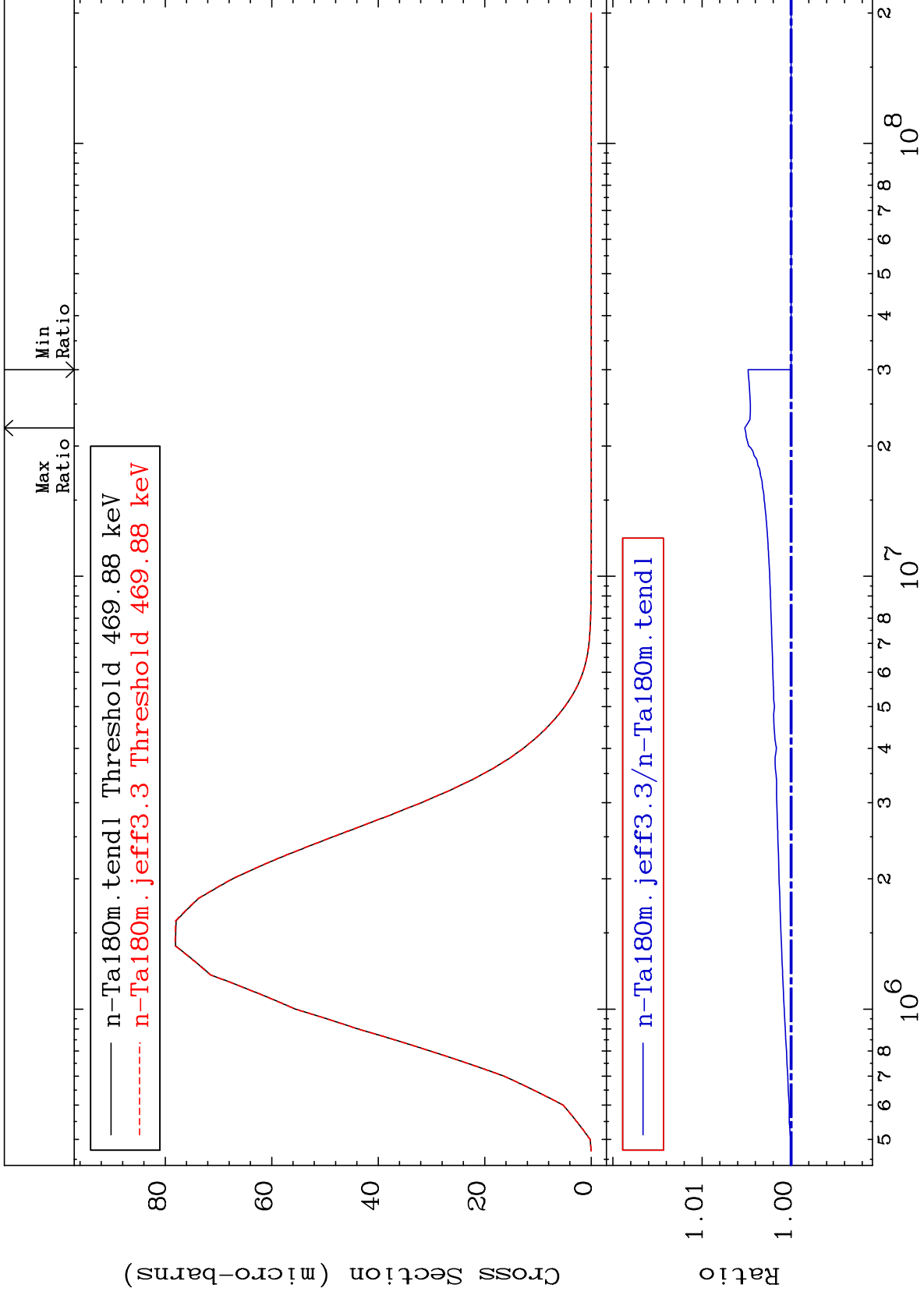
73-Ta-180
0.000 To 0.520 %



MAT 7326

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

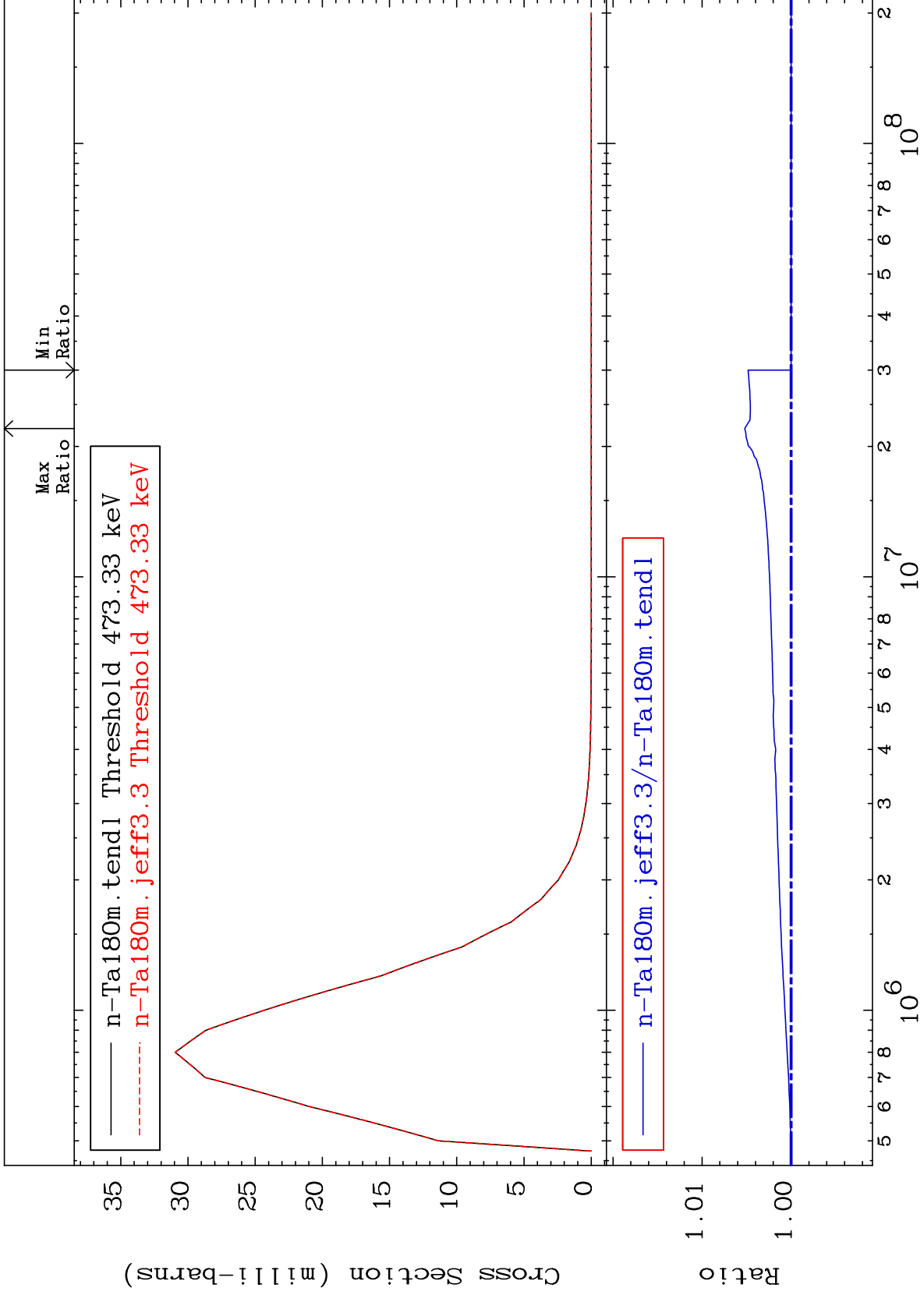
73-Ta-180
0.000 To 0.519 %



MAT 7326

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

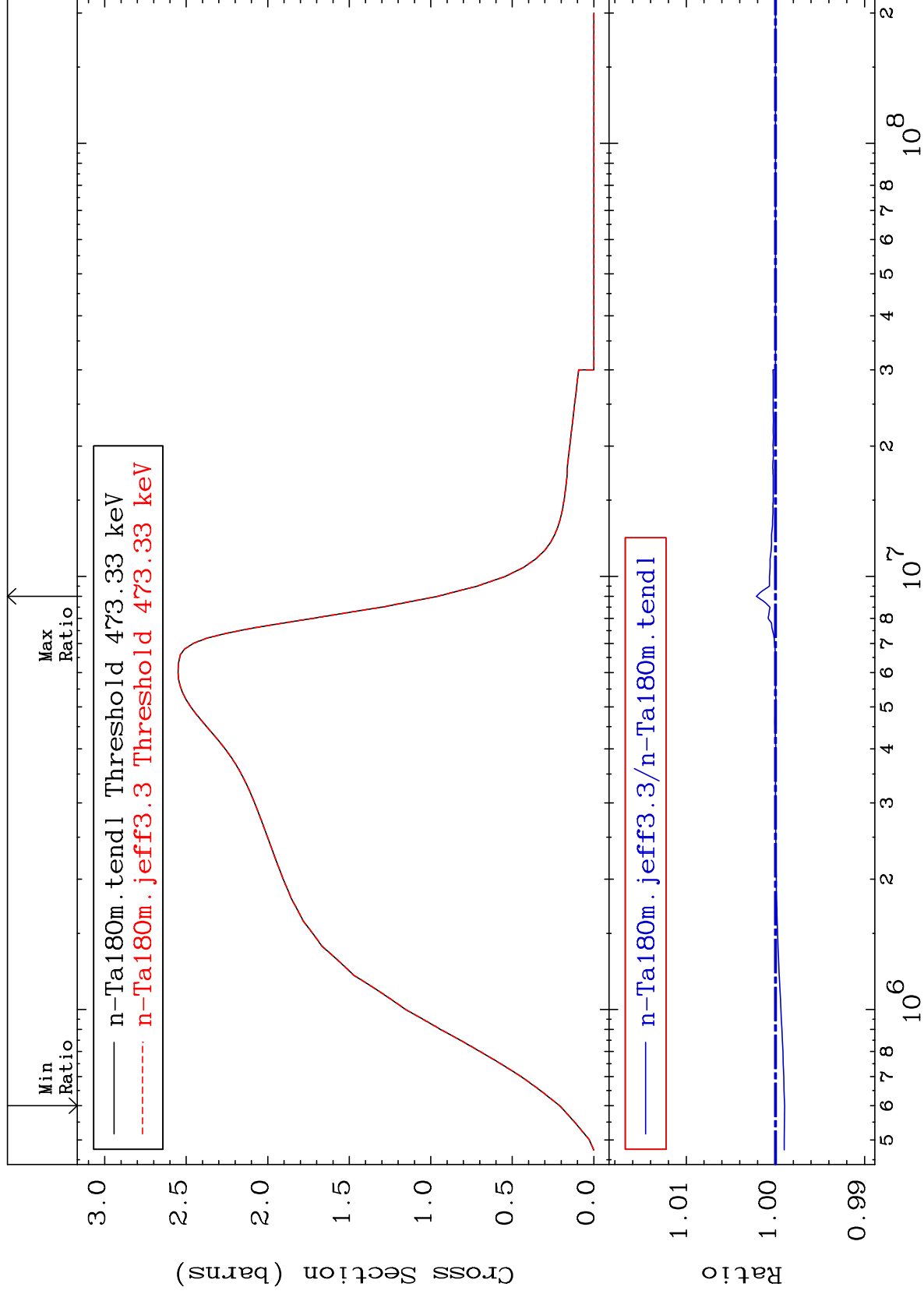
73-Ta-180
0.000 To 0.521 %



MAT 7326

(n, n') Continuum
Cross Section

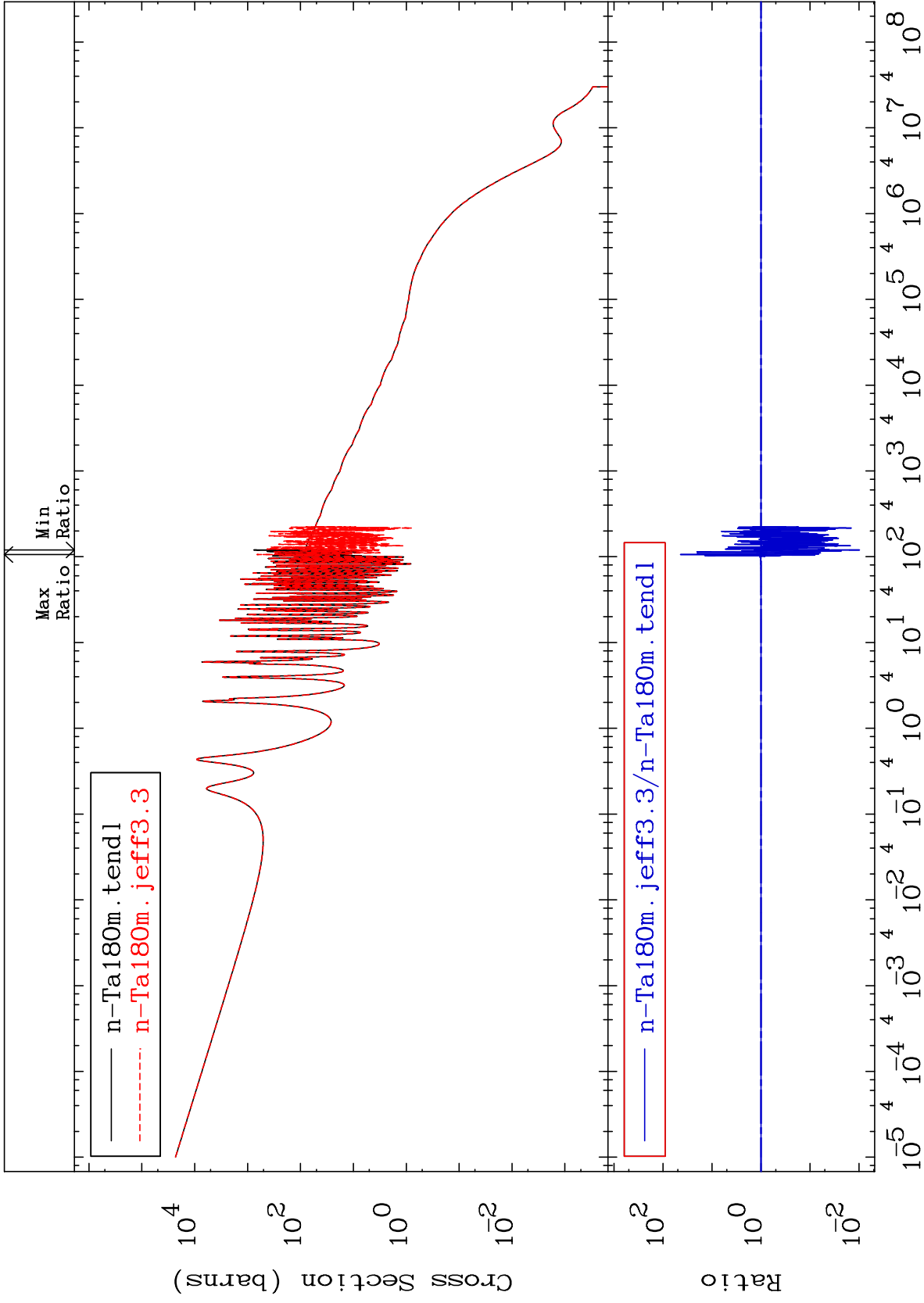
⁷³Ta-180
-0.102 To 0.215 %



MAT 7326

(n, γ)
Cross Section

$^{73}\text{Ta-180}$
-99.02 To 4321. %



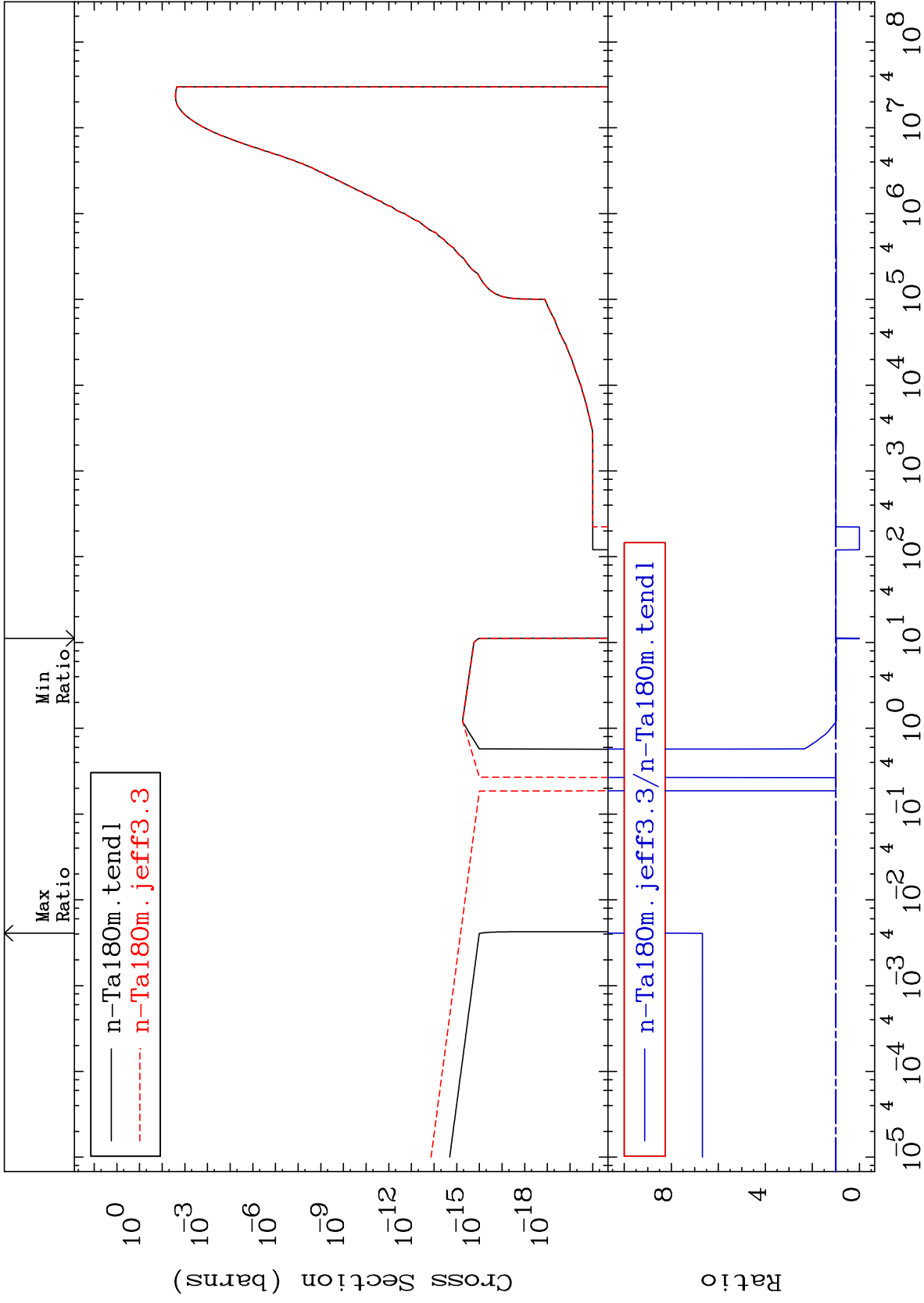
MAT 7326

(n,p)

⁷³Ta-180

Cross Section

-100.0 To 661.4 %



51

Incident Energy (eV)

⁷³Ta-180

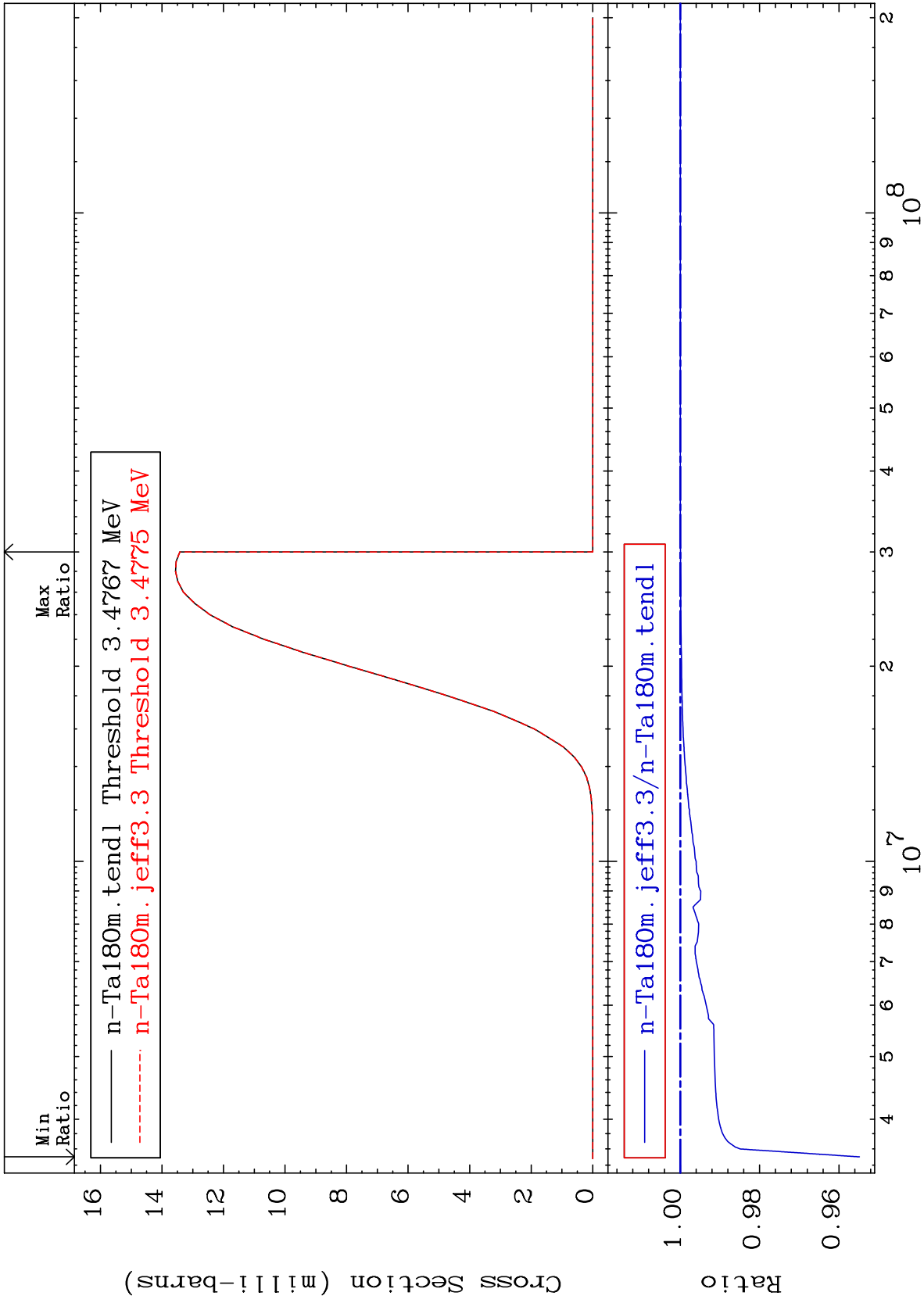
MAT 7326

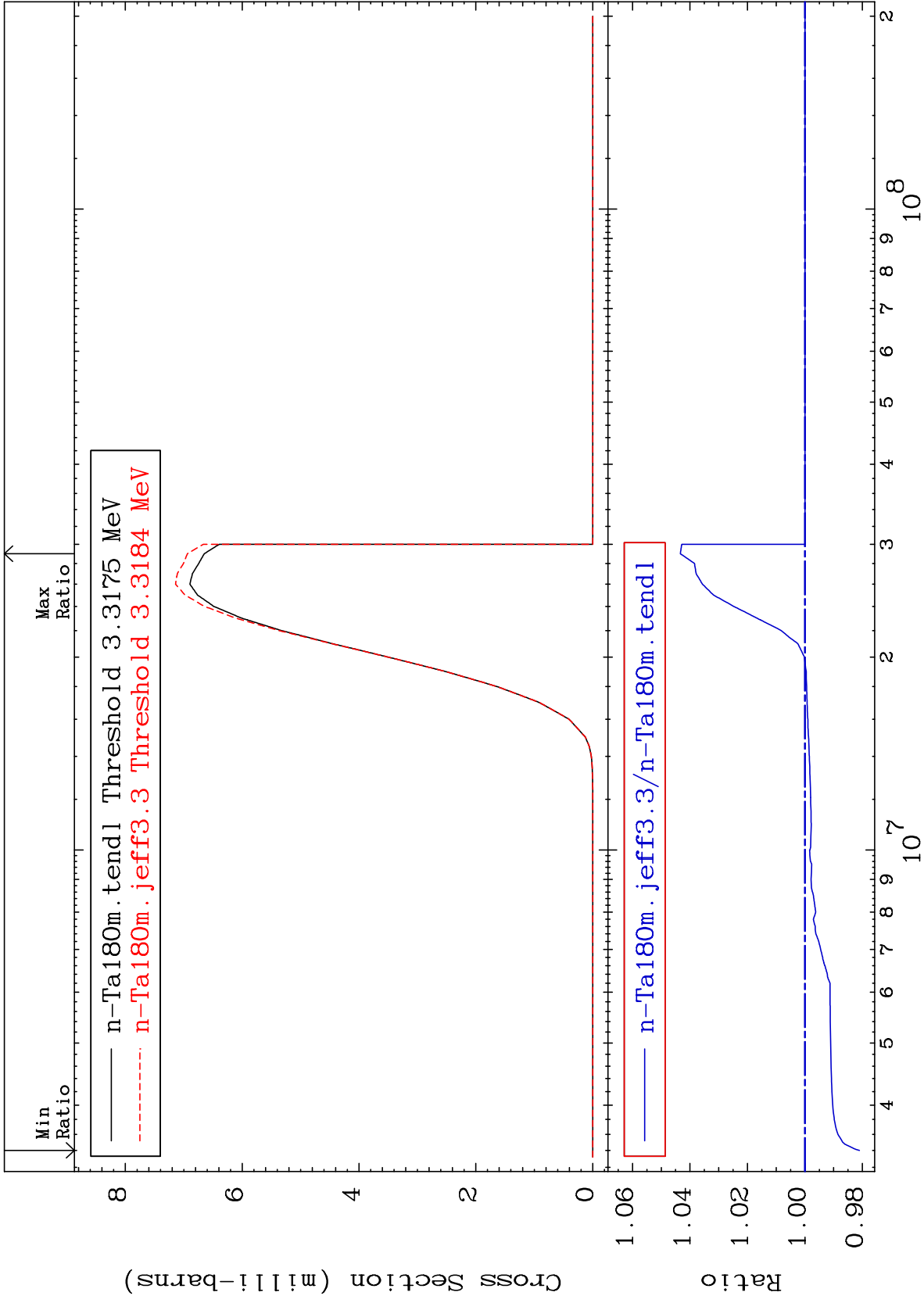
(n, d)

⁷³Ta-180

Cross Section

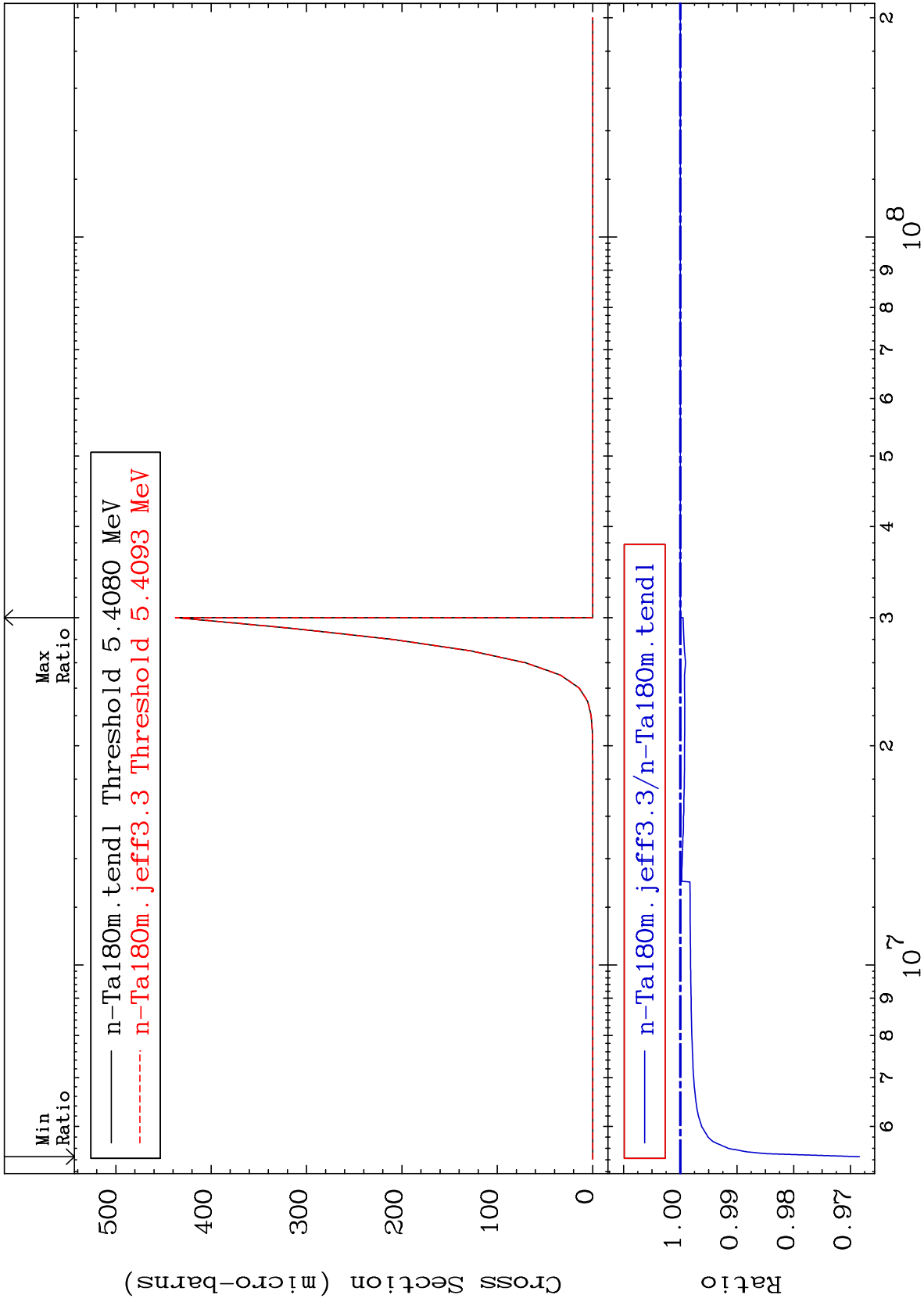
-4.518 To 0.000 %





Cross Section

-3.157 To 0.000 %



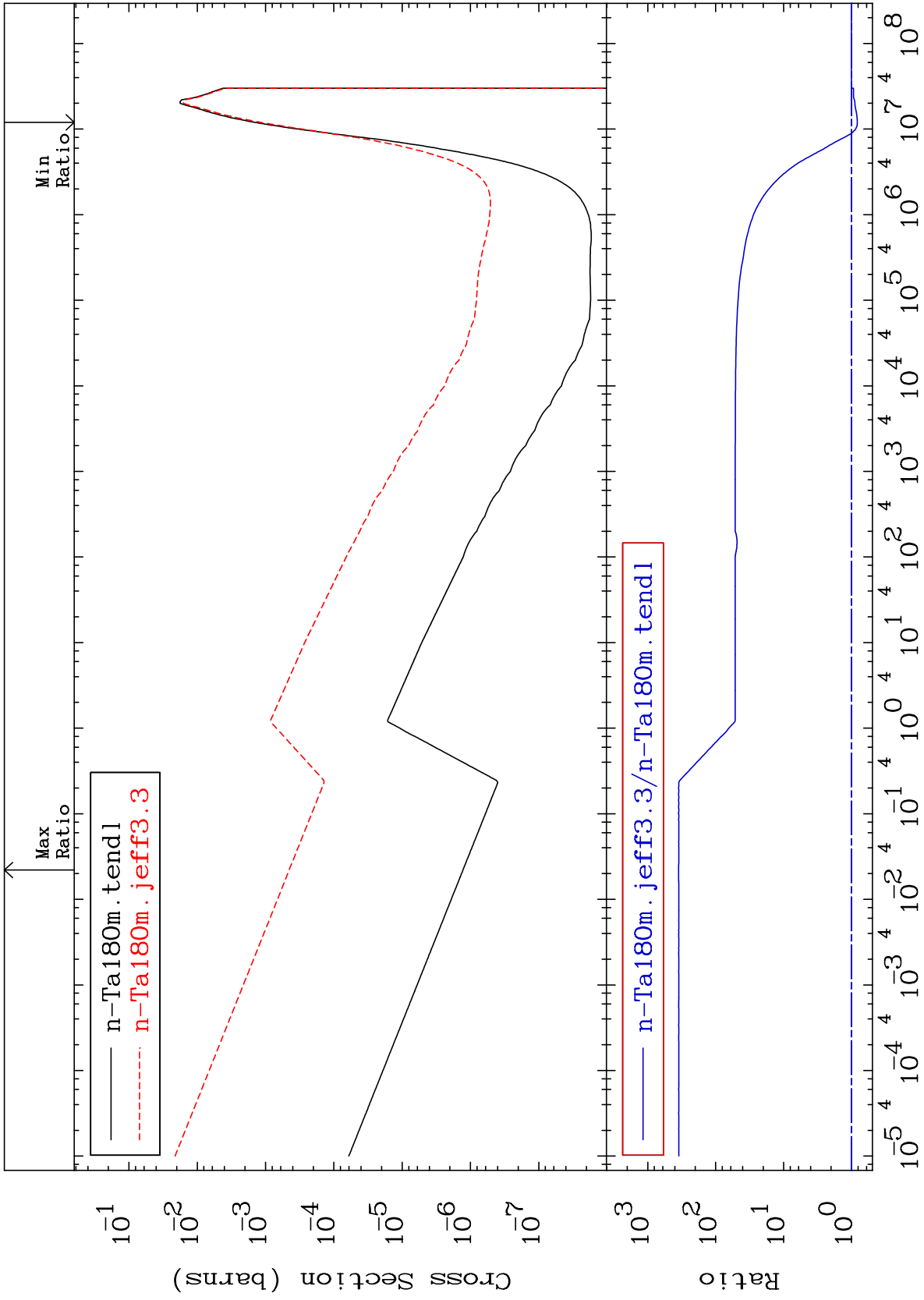
MAT 7326

(n, α)

⁷³Ta-180

Cross Section

-17.65 To 9999. %



55

Incident Energy (eV)

⁷³Ta-180

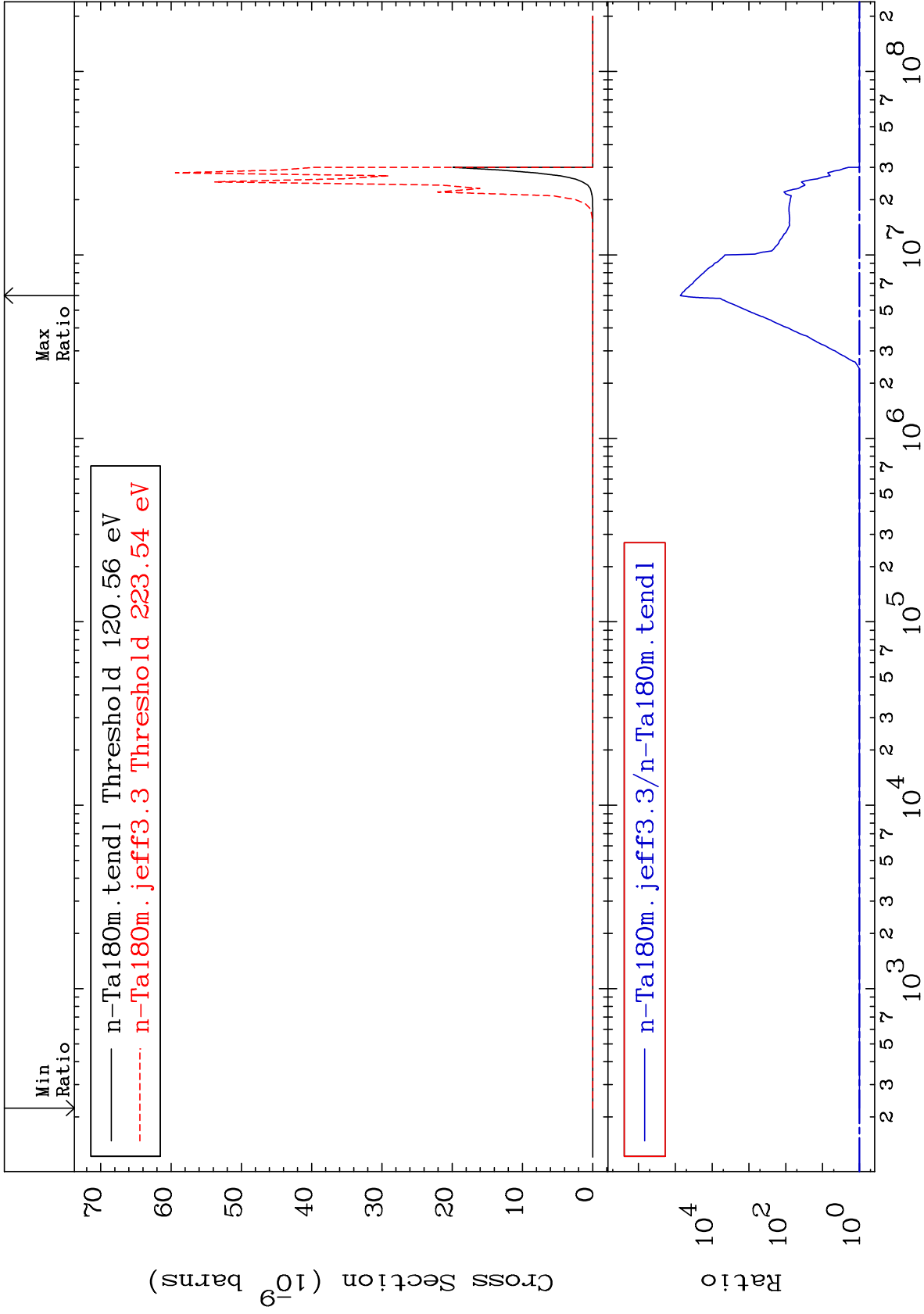
MAT 7326

(n,2α)

73-Ta-180

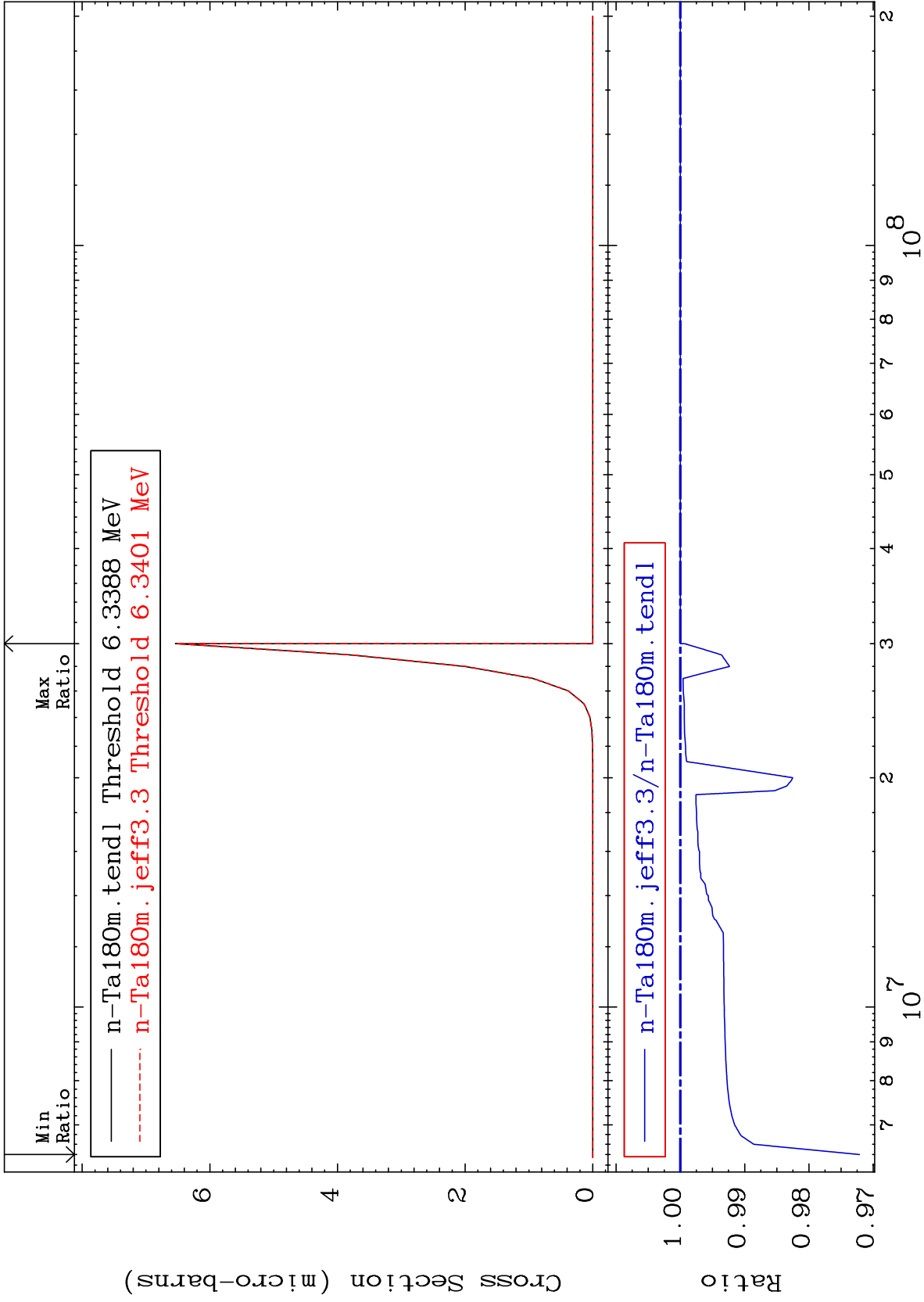
Cross Section

To 9999. %

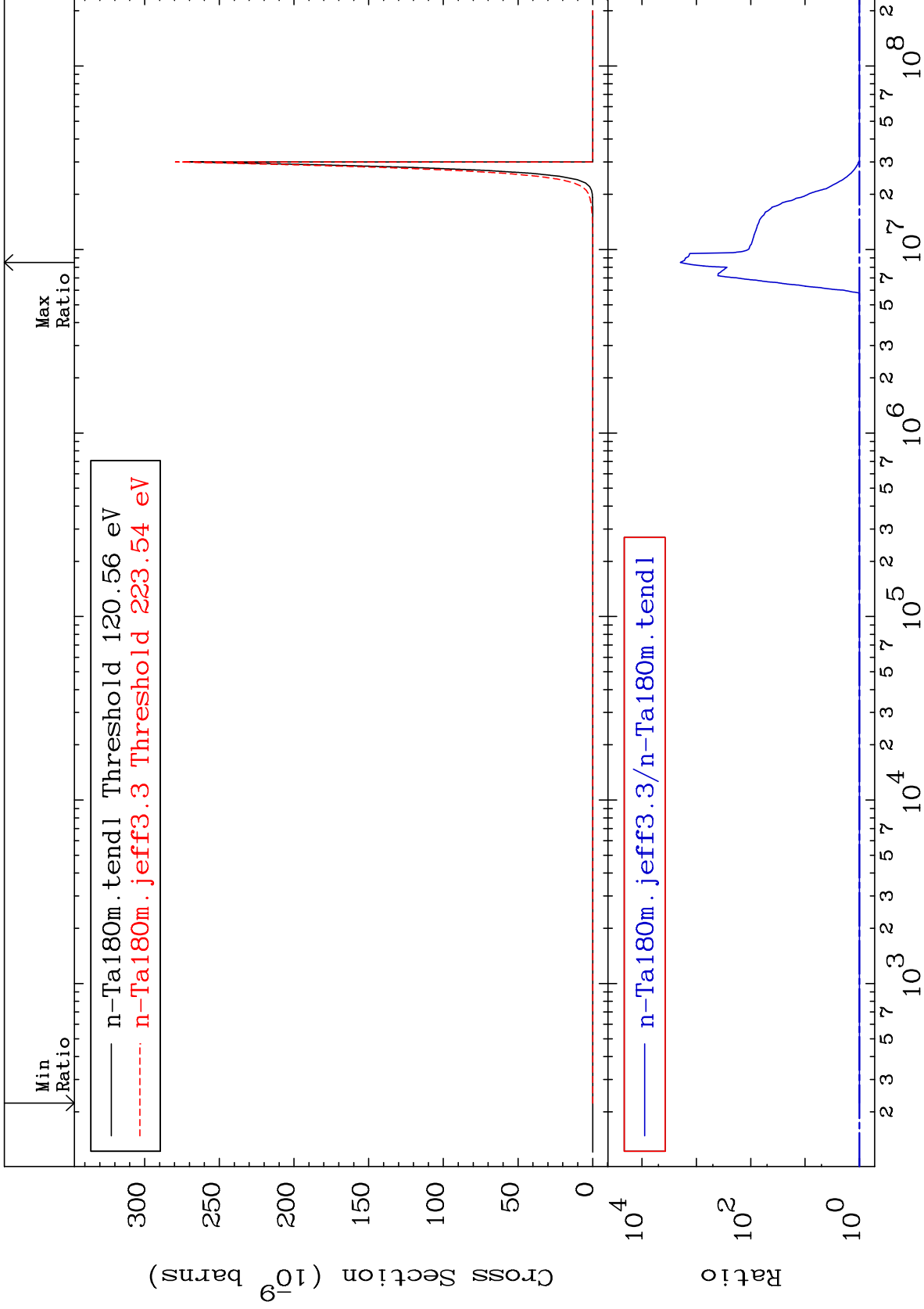


Cross Section

-2.786 To 0.000 %

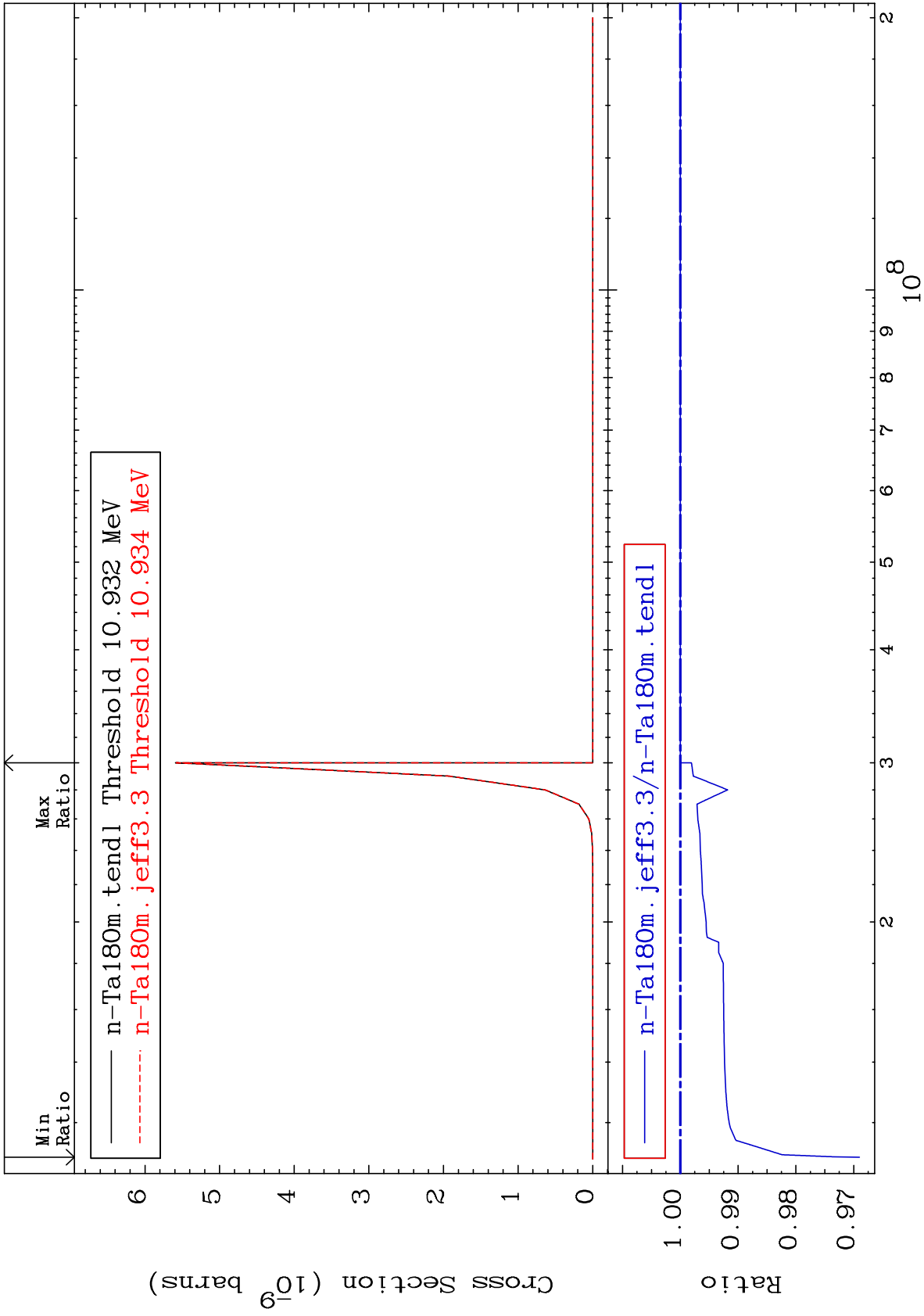


Cross Section



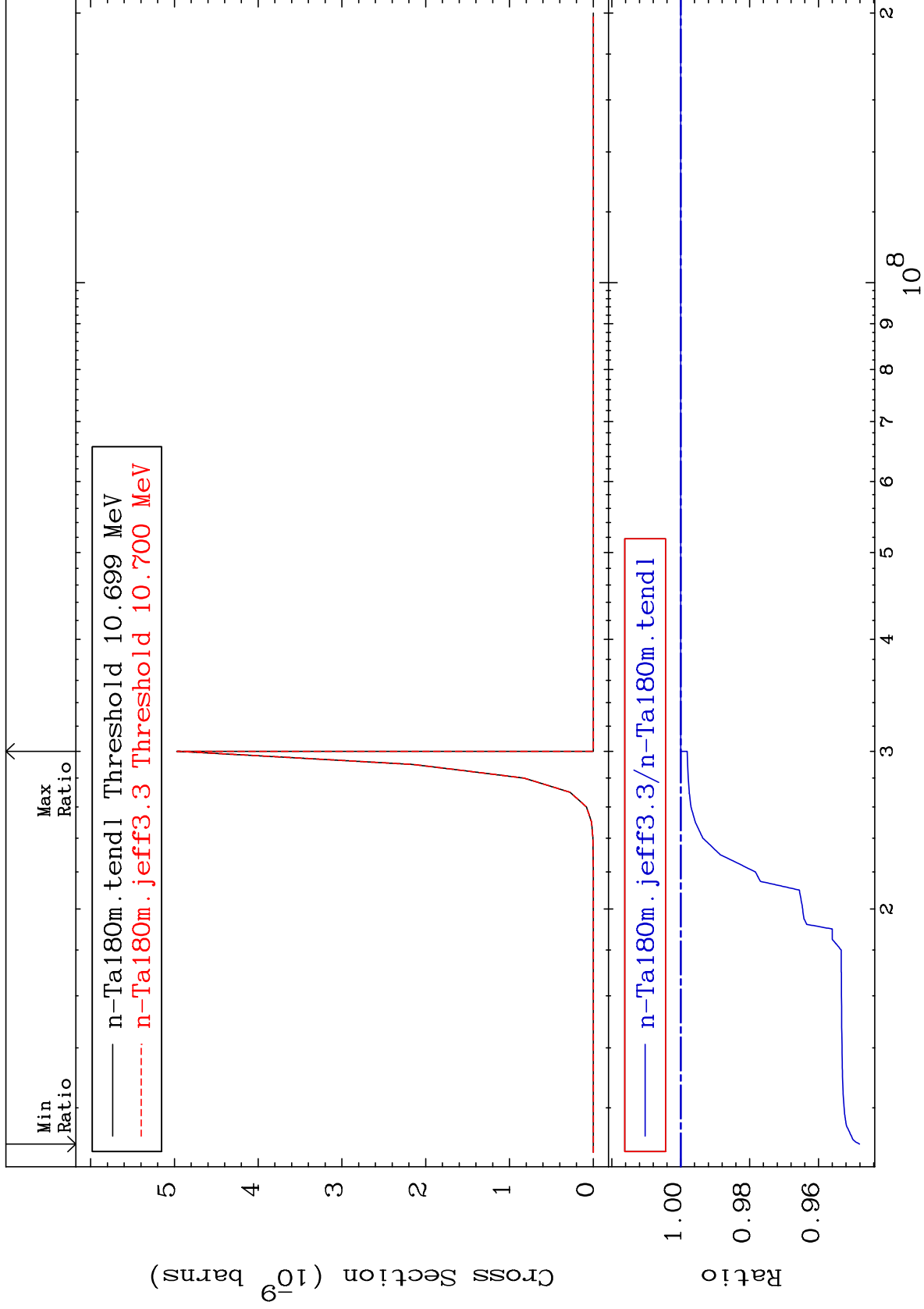
Cross Section

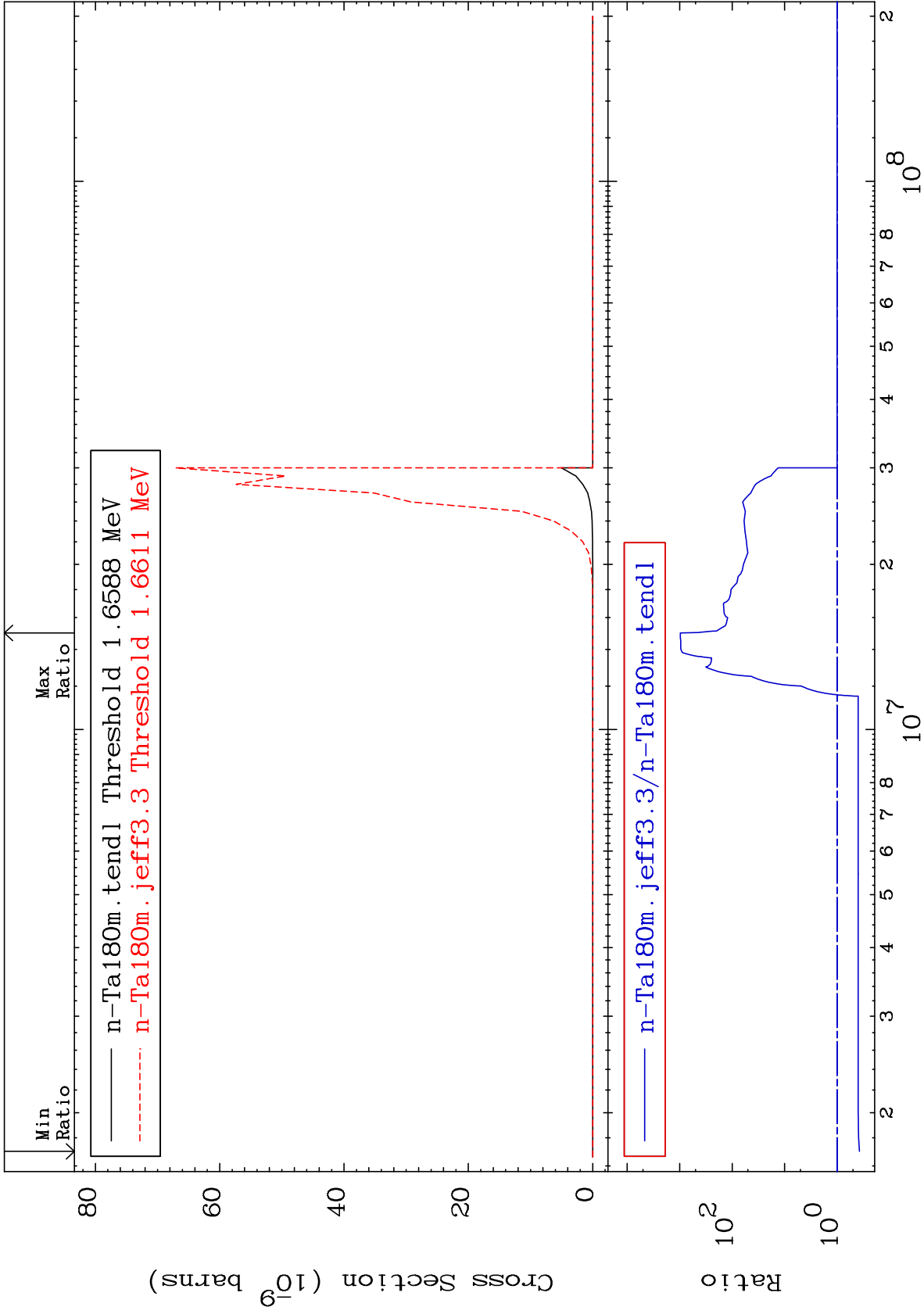
-3.099 To 0.000 %



Cross Section

-5.190 To 0.000 %

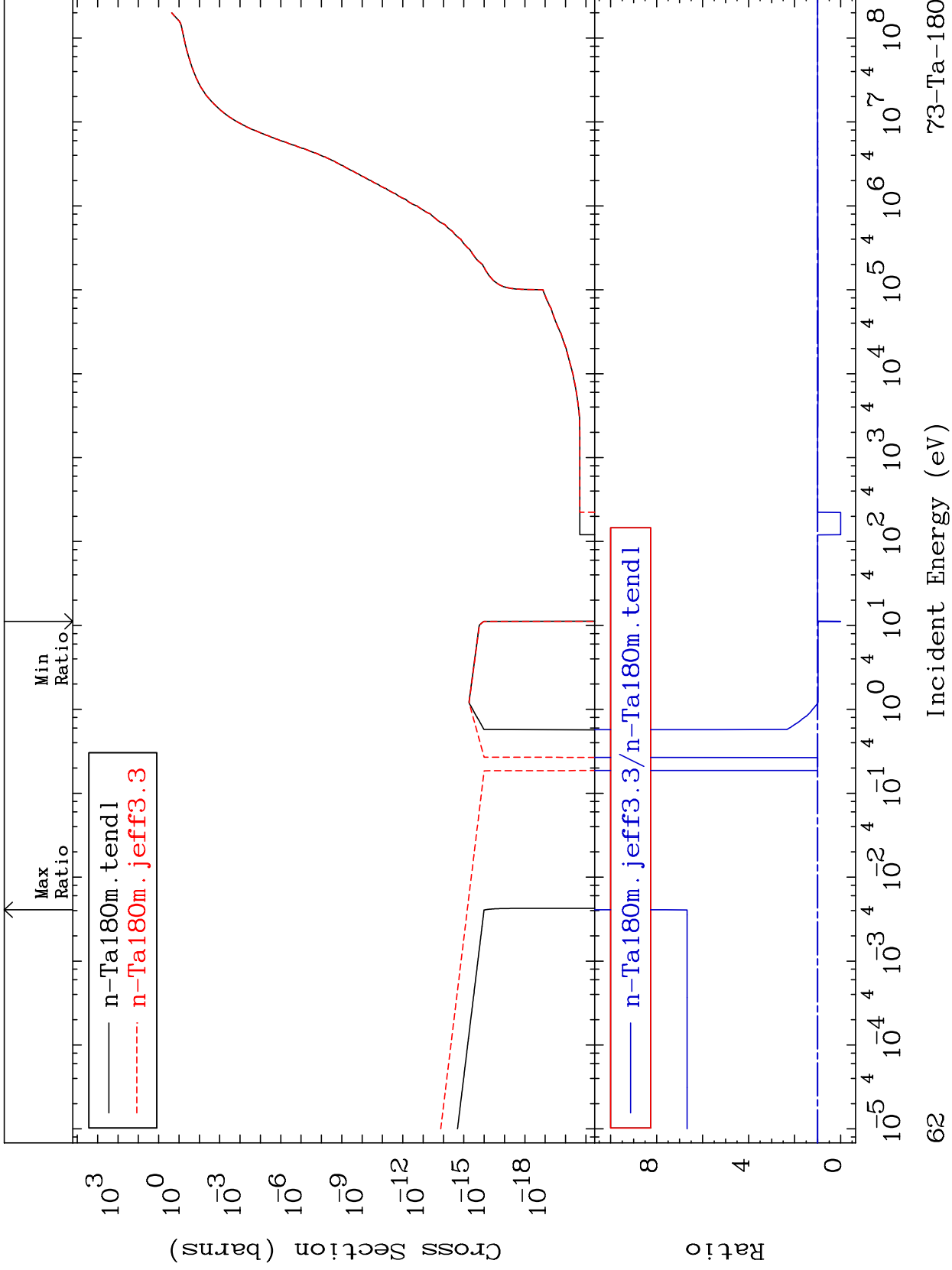


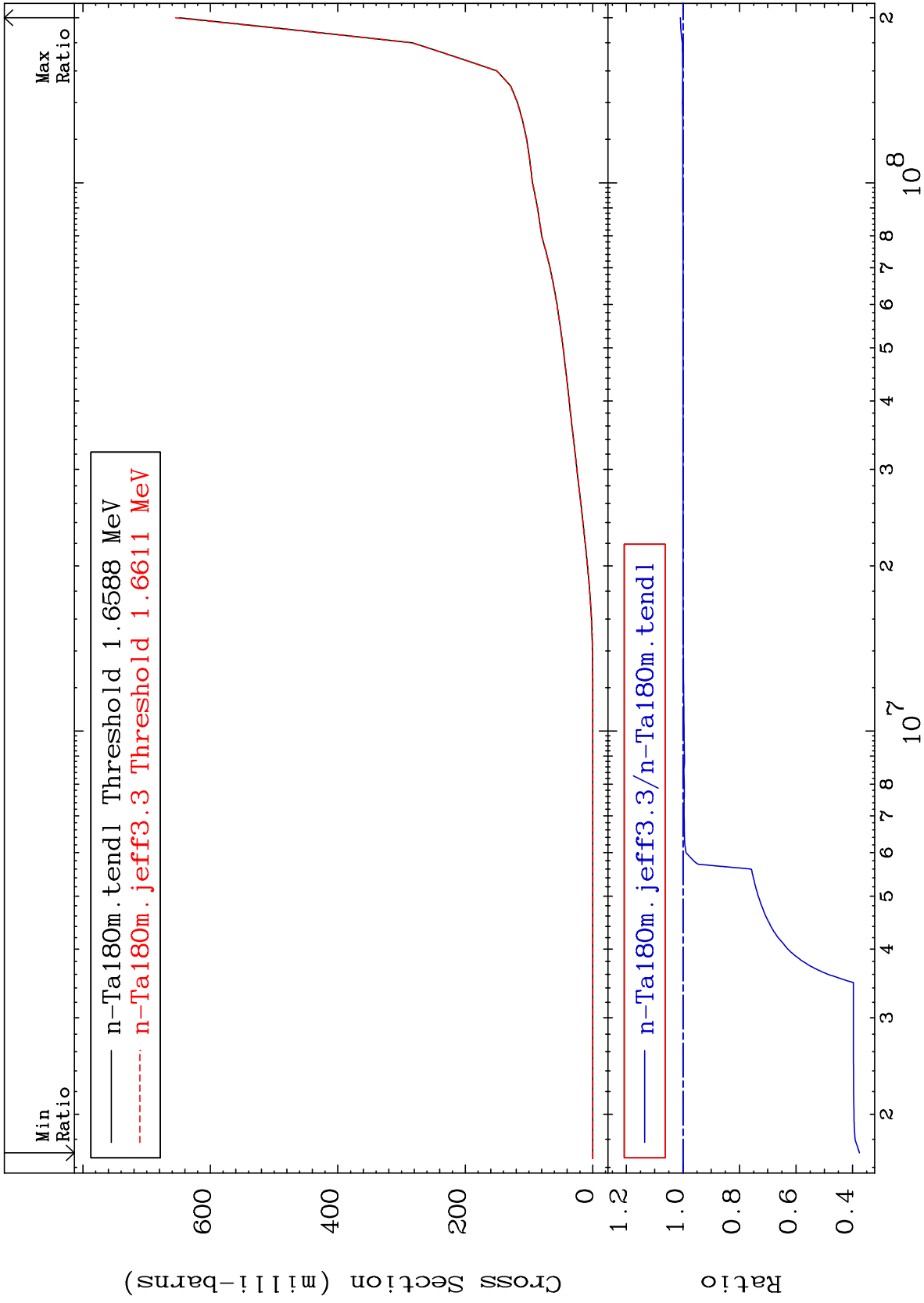


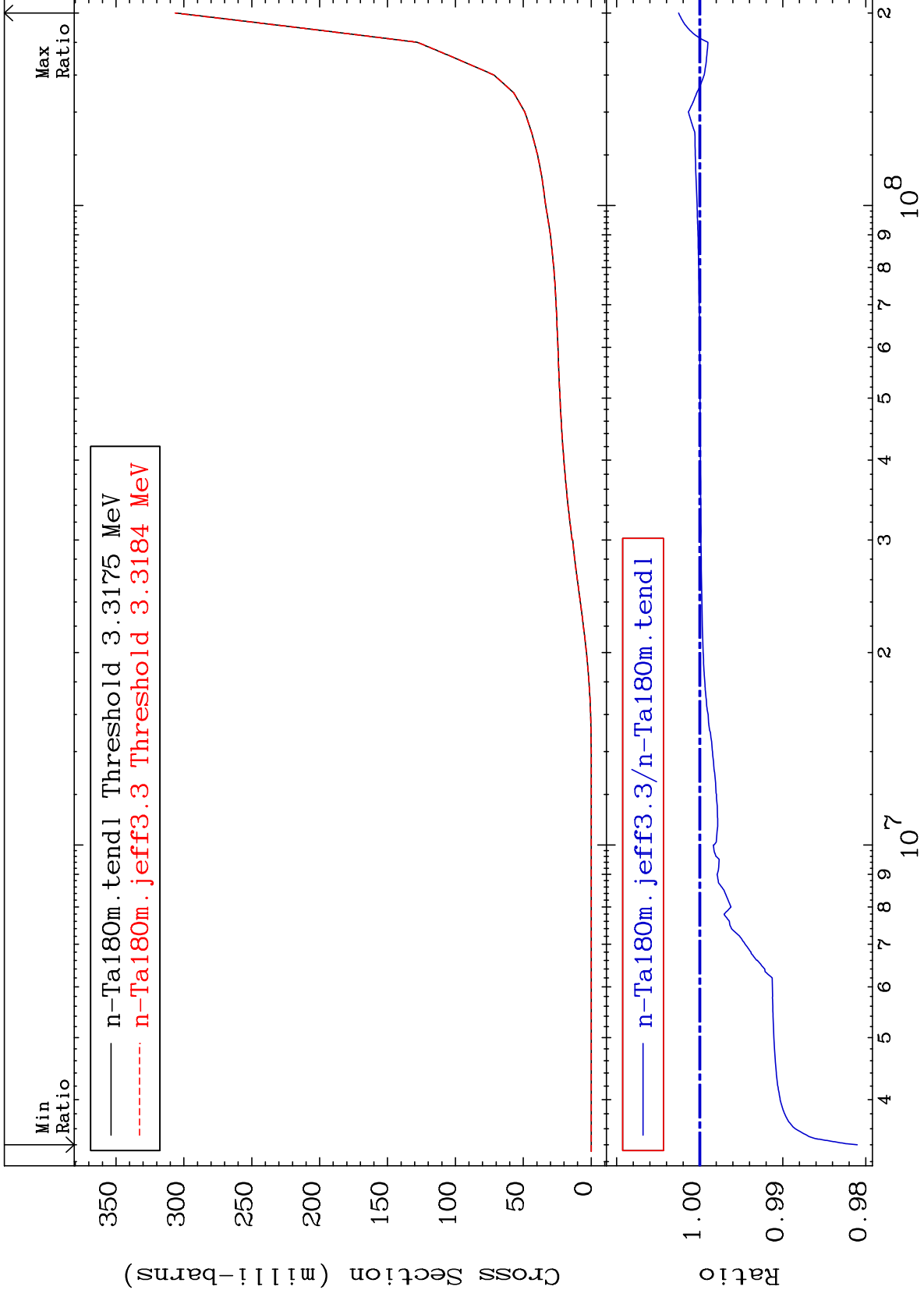
MAT 7326

Hydrogen Production
Cross Section

⁷³Ta-¹⁸⁰
-100.0 To 661.4 %



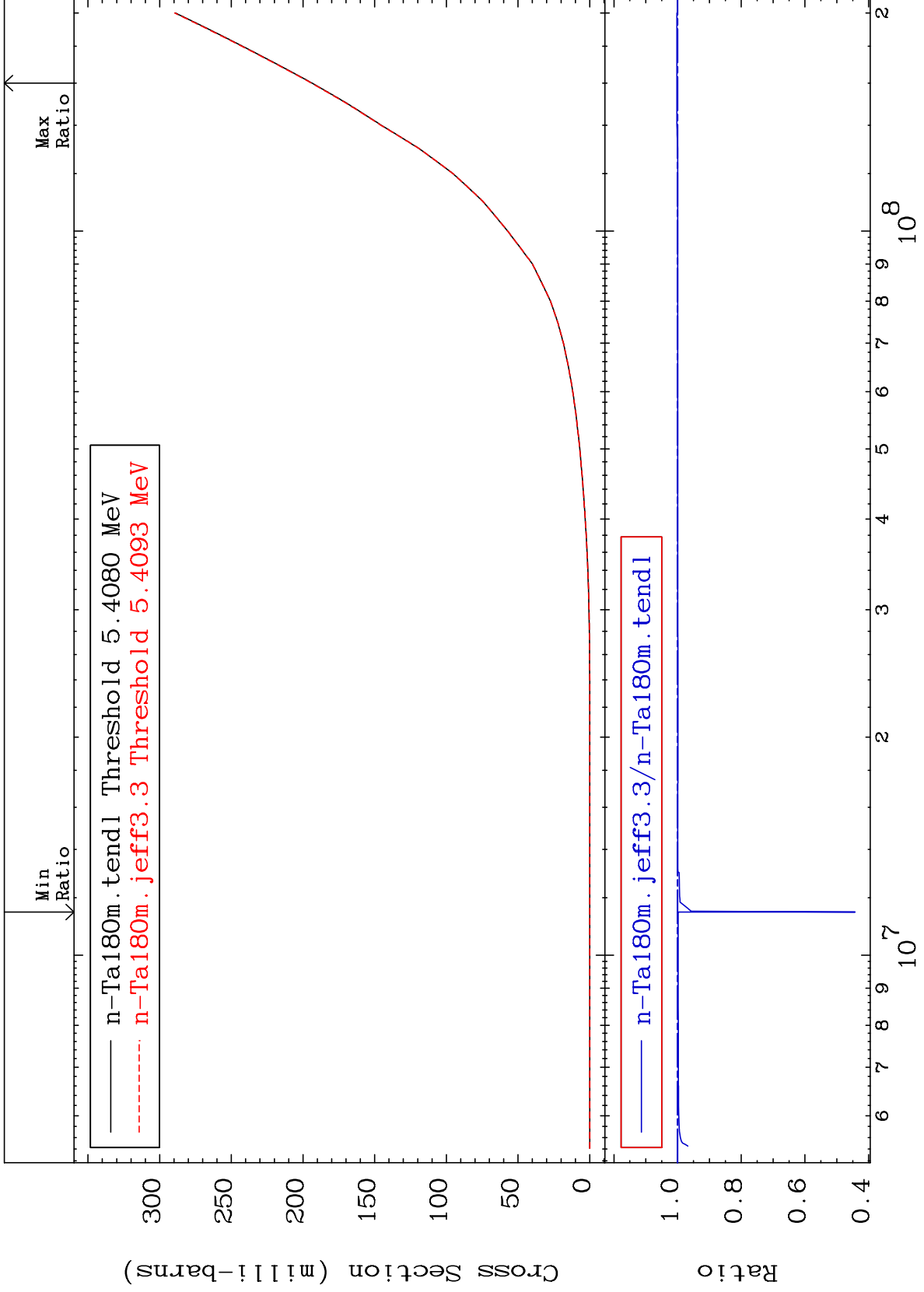




MAT 7326

He-3 Production
Cross Section

⁷³Ta-¹⁸⁰
-55.75 To 0.212 %



65

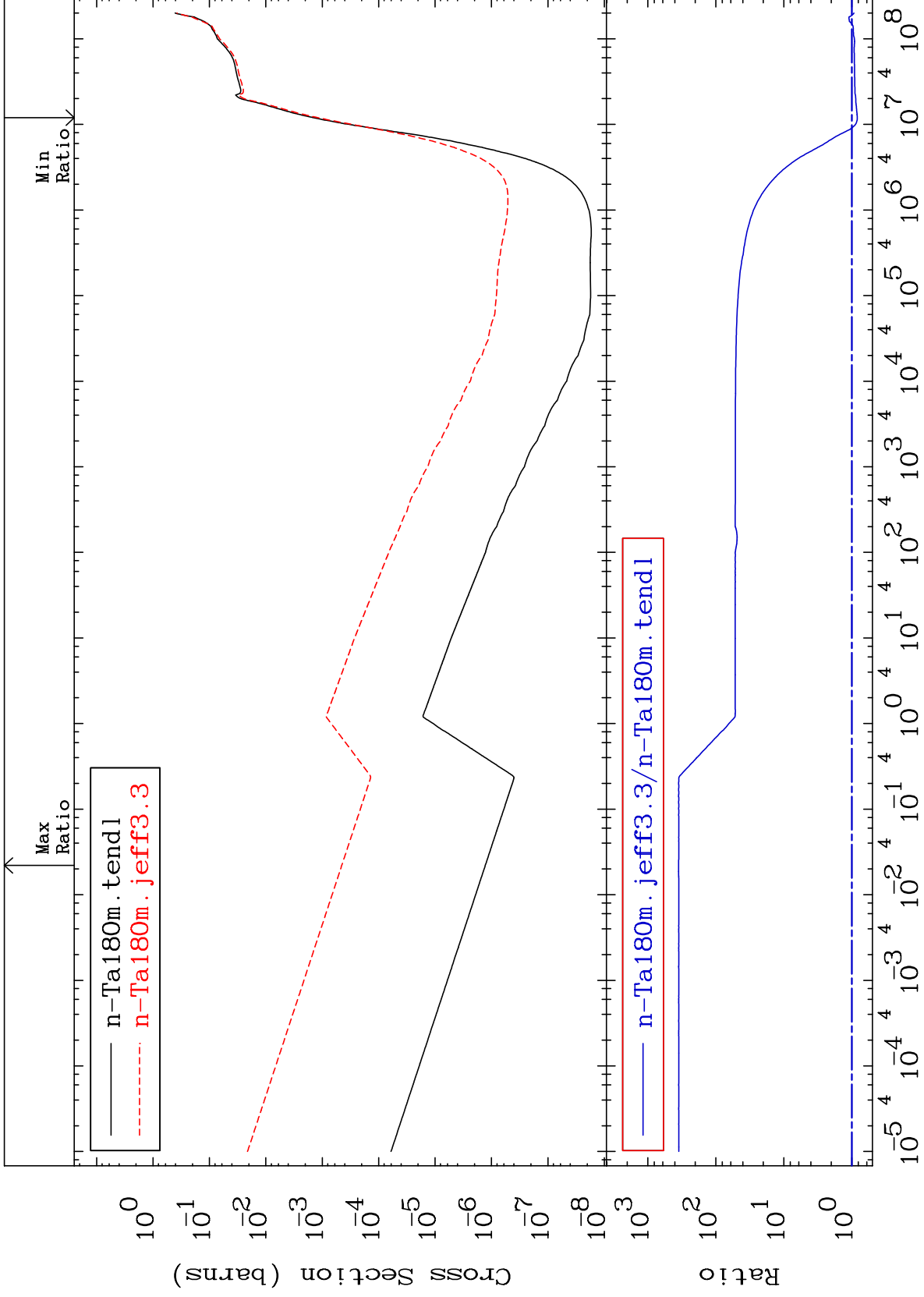
Incident Energy (eV)

⁷³Ta-¹⁸⁰

MAT 7326

He-4 Production
Cross Section

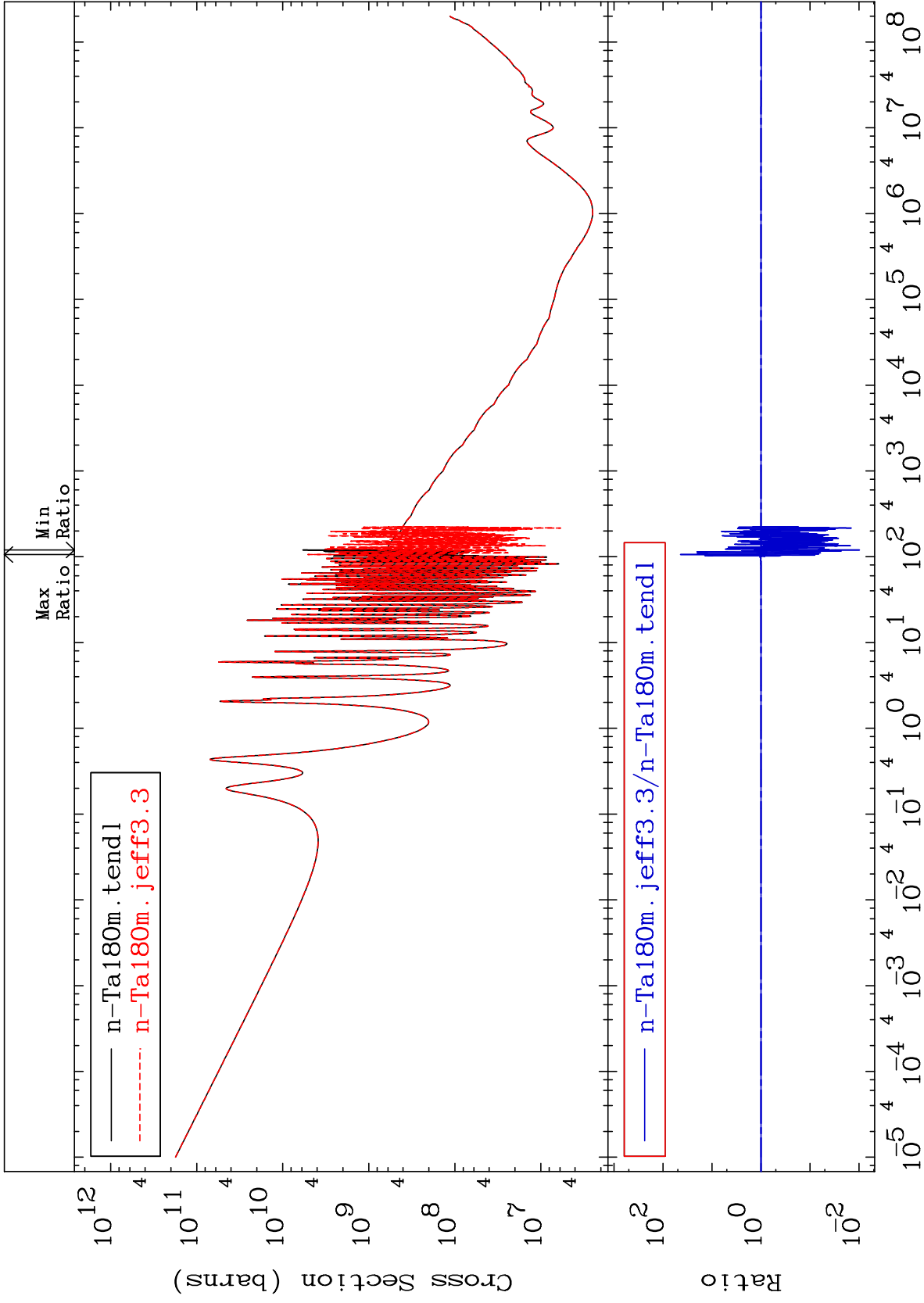
⁷³Ta-180
-16.99 To 9999. %



66

Incident Energy (eV)

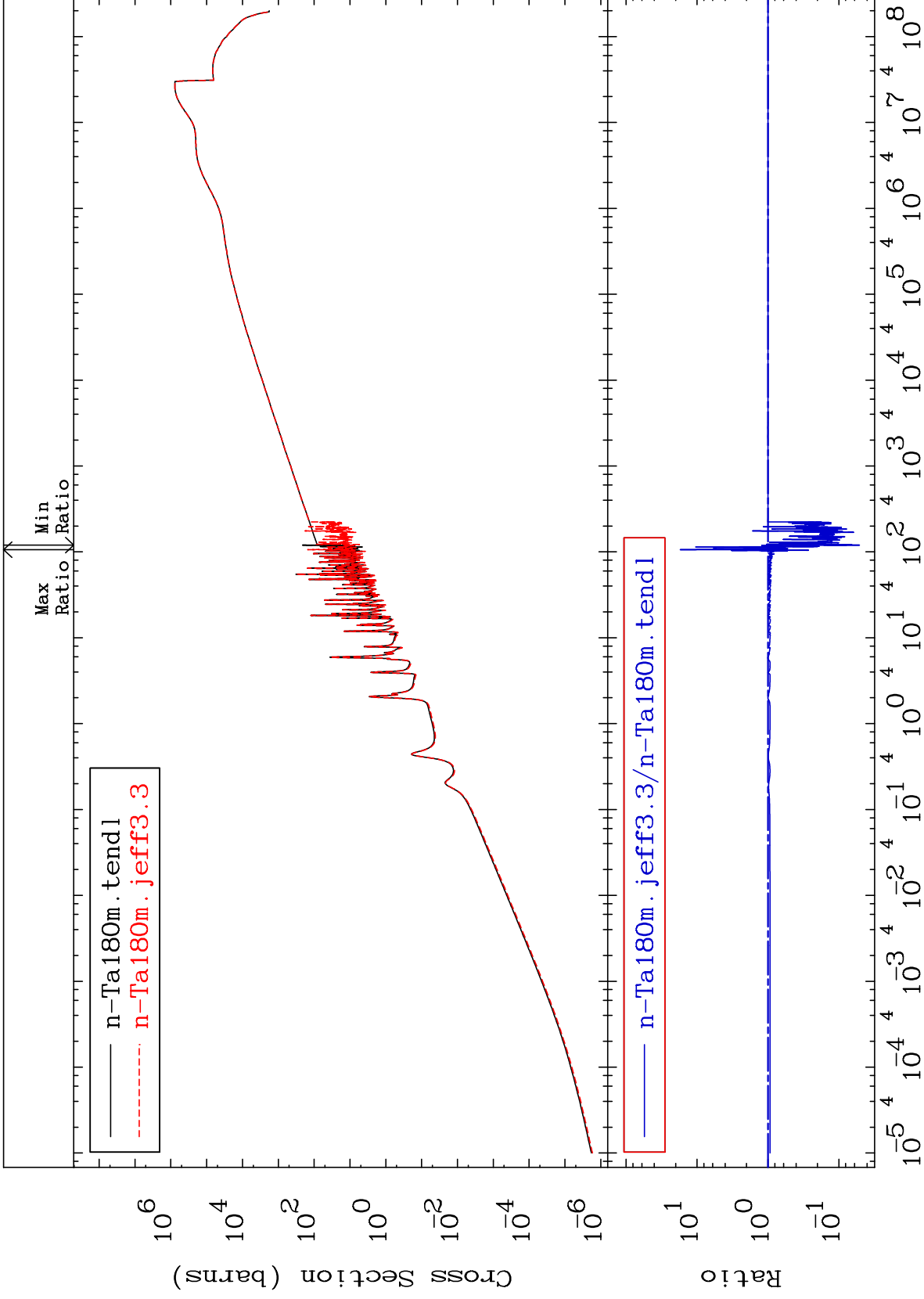
⁷³Ta-180

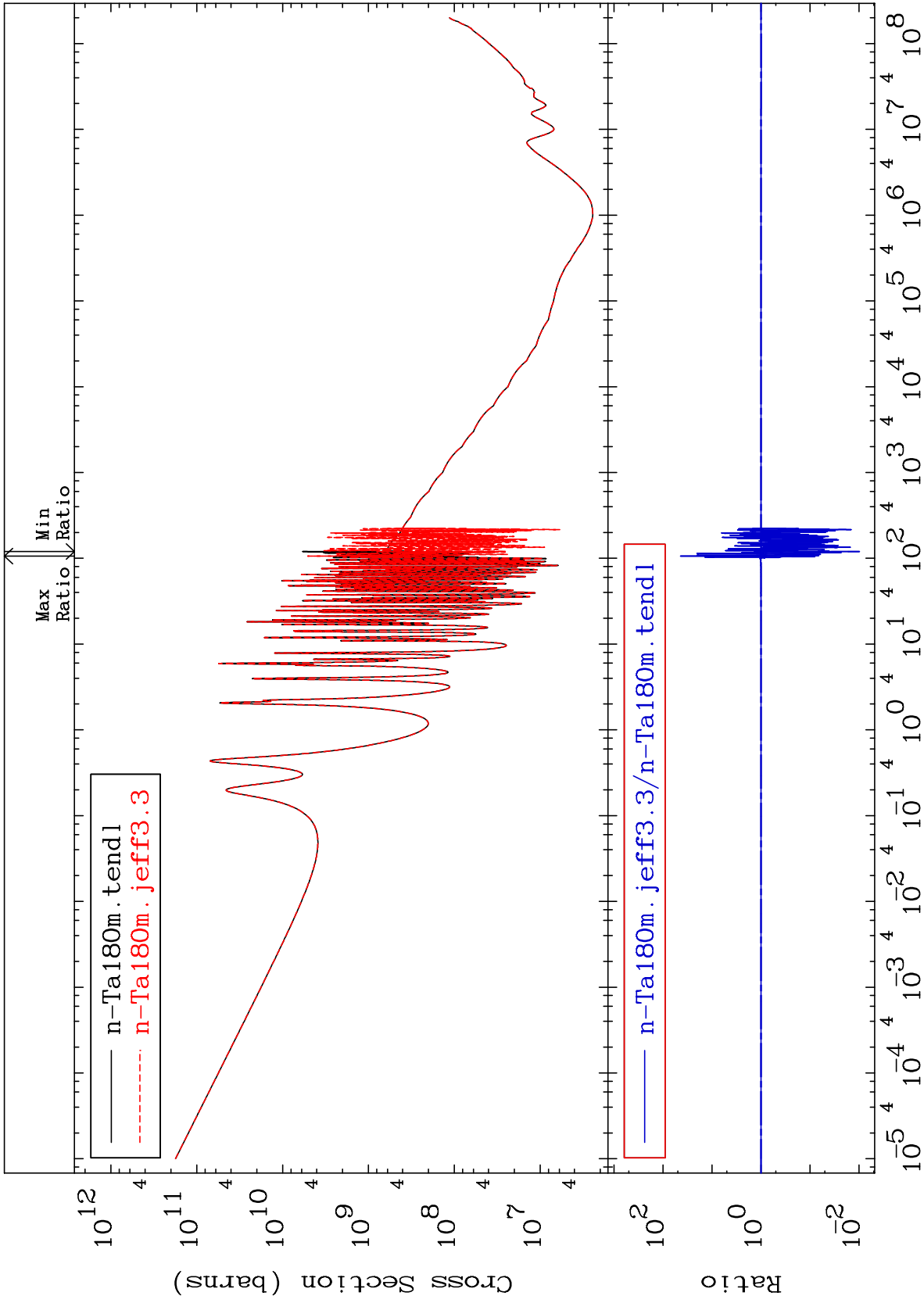


MAT 7326

Kerma elastic
Cross Section

⁷³Ta-180
-94.87 To 1629. %

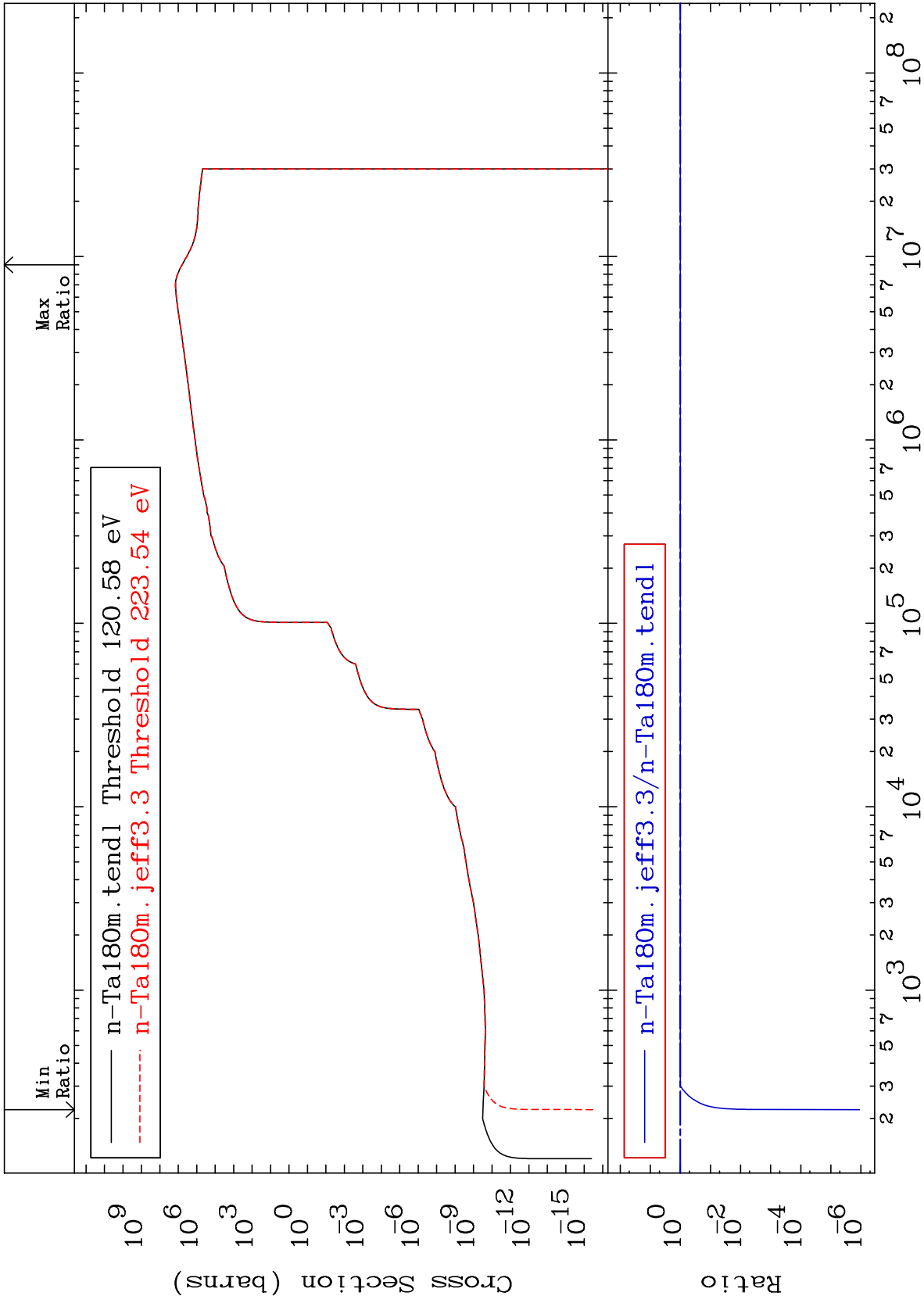




MAT 7326

Kerma inelastic (mt51-91)
Cross Section

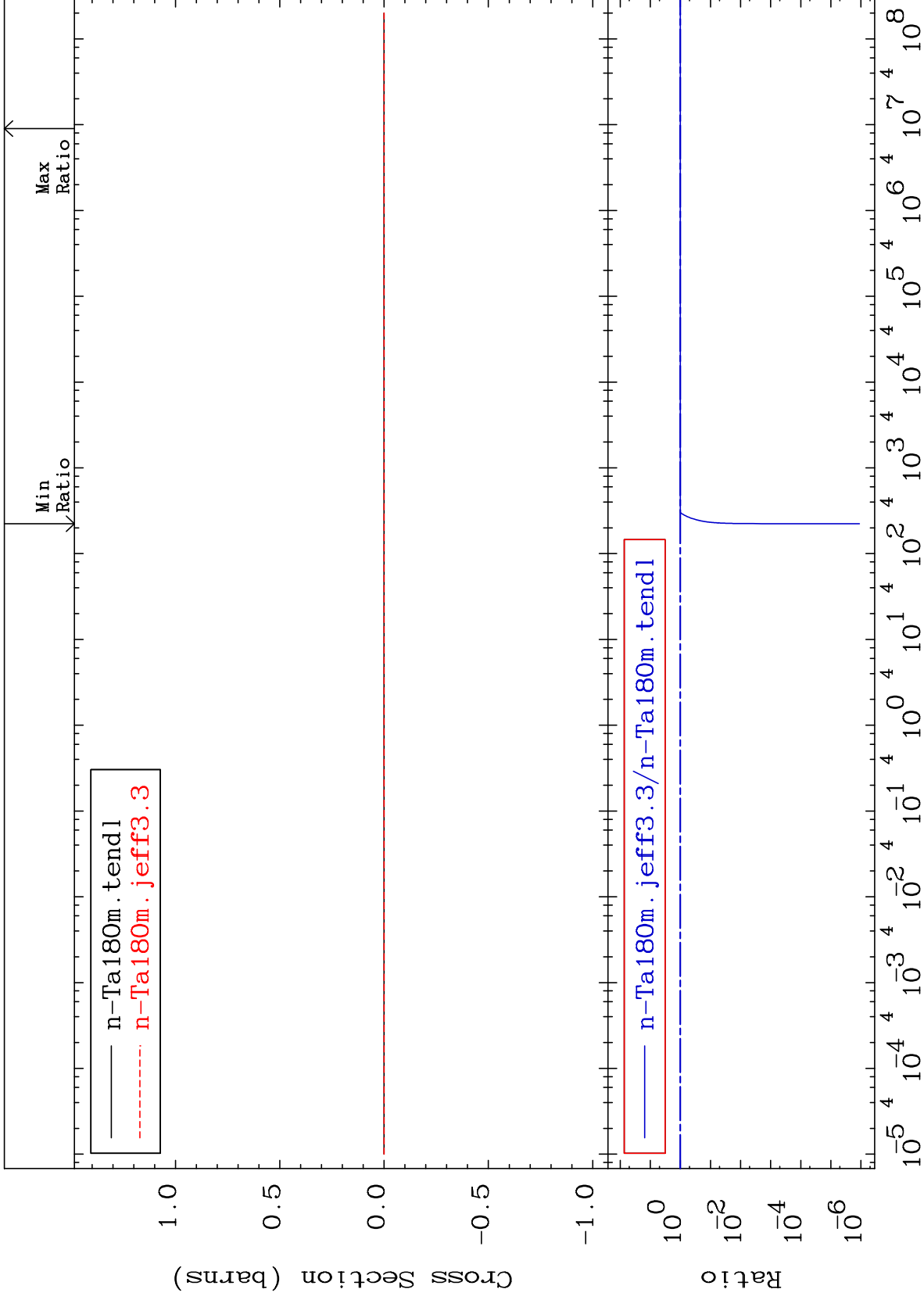
⁷³Ta-180
-100.0 To 0.265 %



70

Incident Energy (eV)

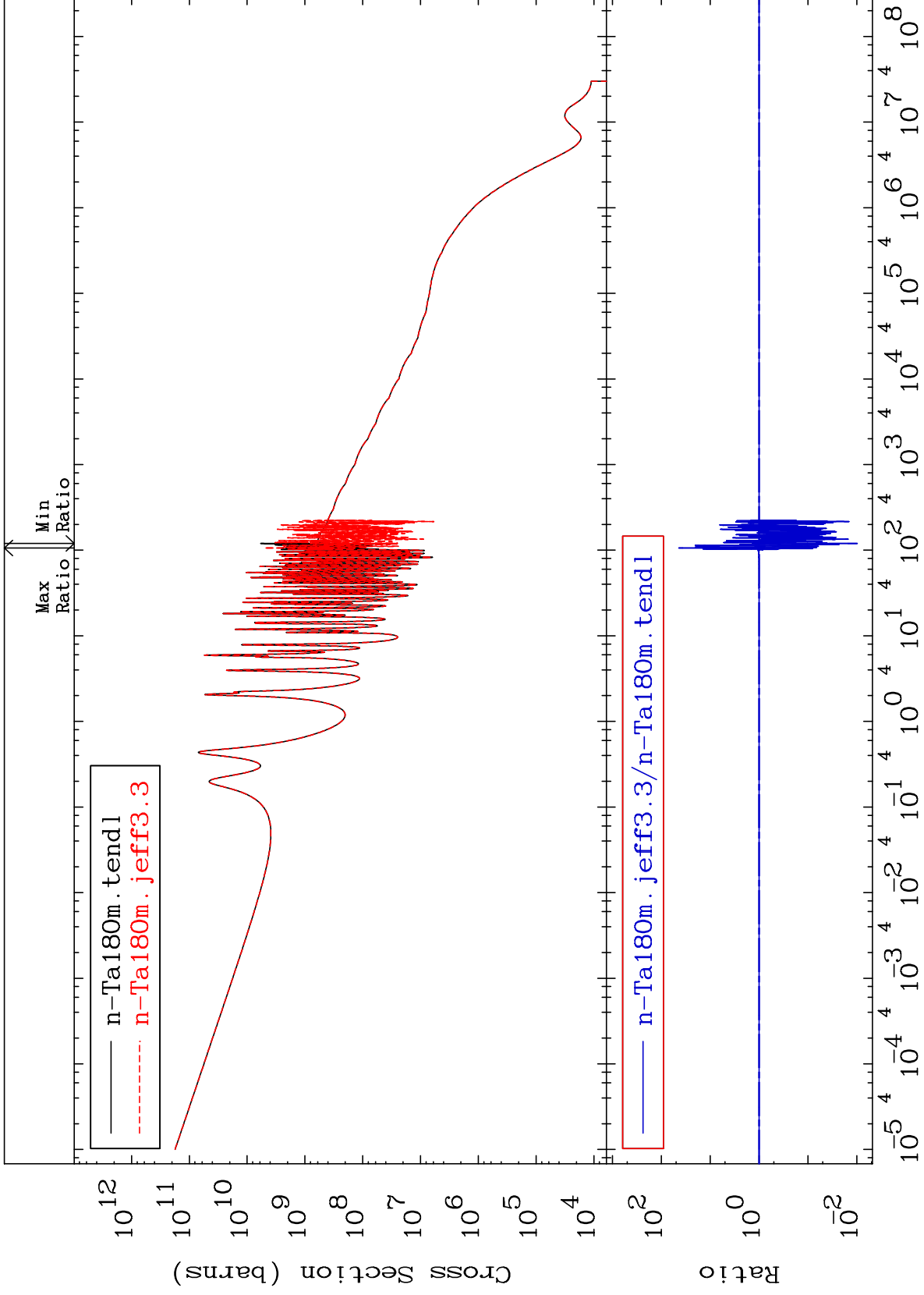
⁷³Ta-180



MAT 7326

Kerma capture (mt102)
Cross Section

73-Ta-180
-99.02 To 4321. %



72

Incident Energy (eV)

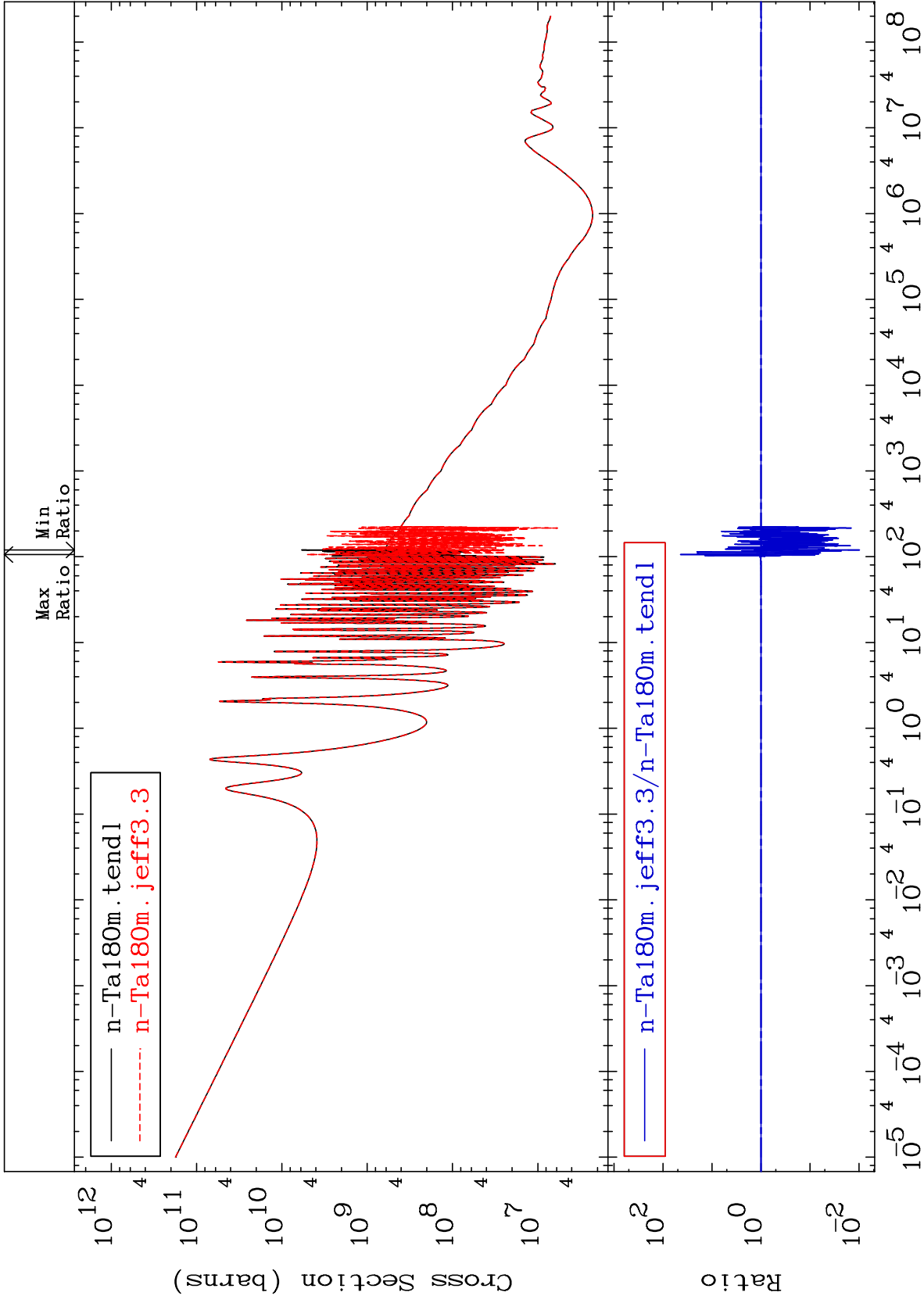
73-Ta-180

MAT 7326

Total photon (eV-barns)

⁷³Ta-180

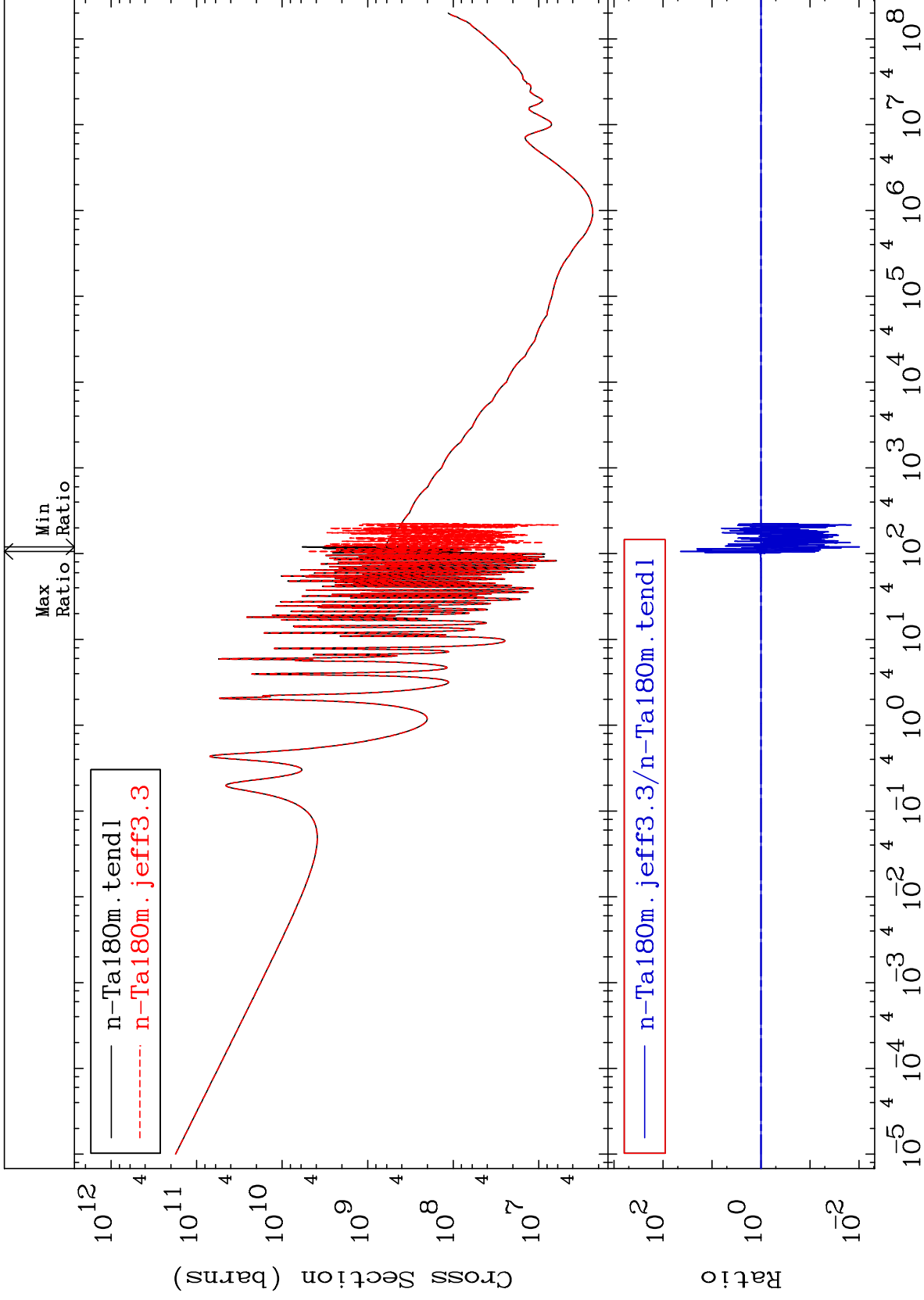
-99.02 To 4321. %

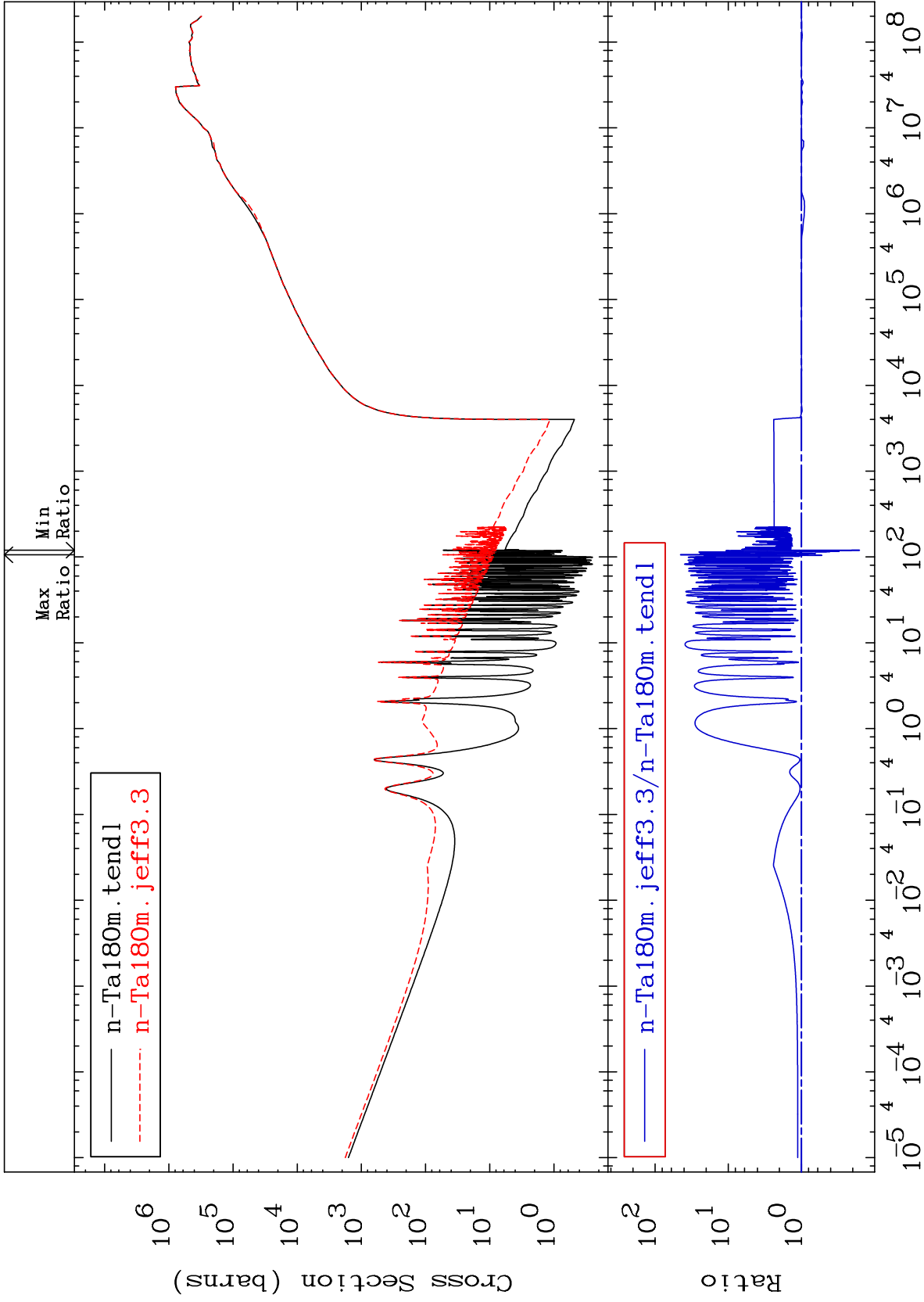


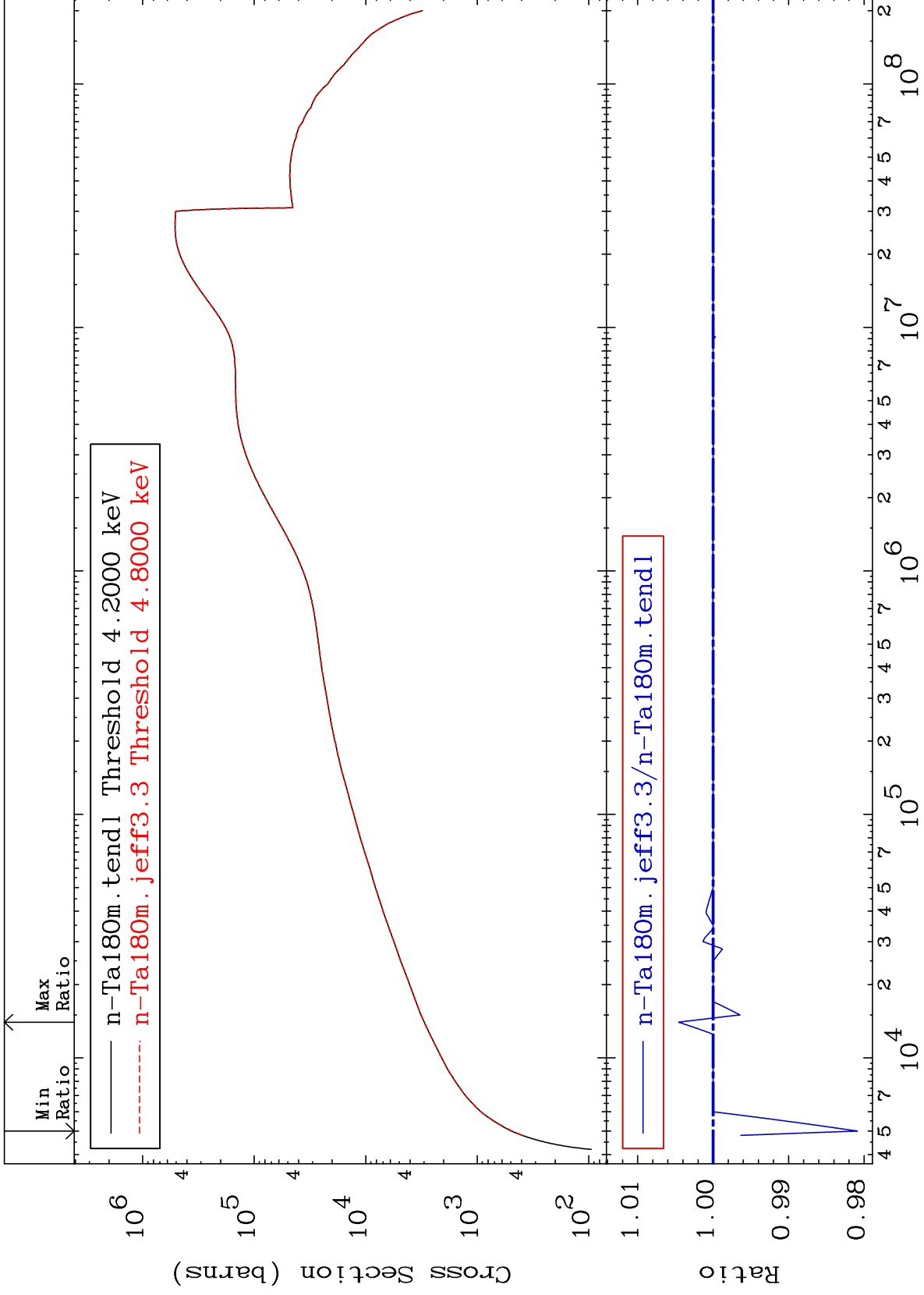
73

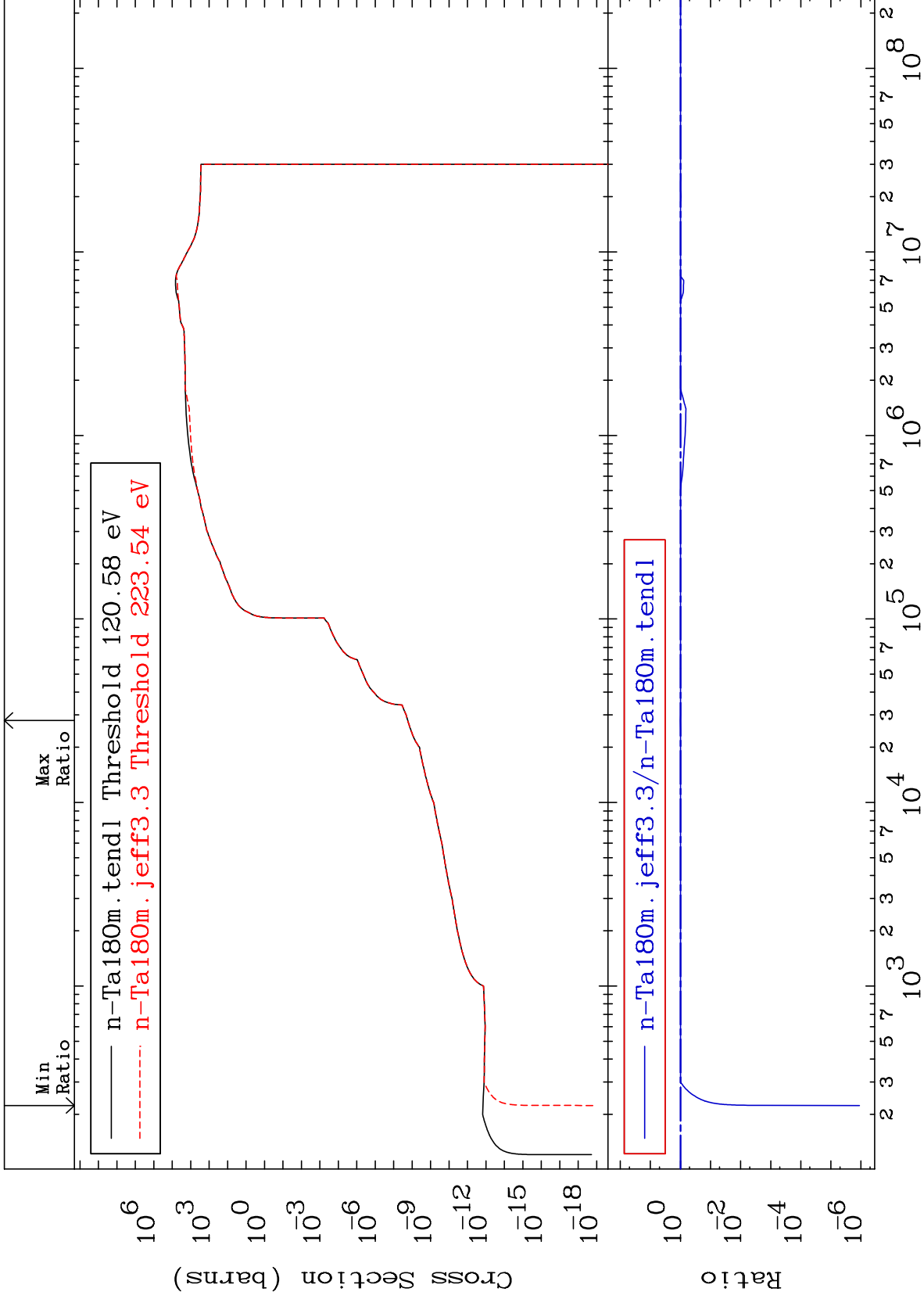
Incident Energy (eV)

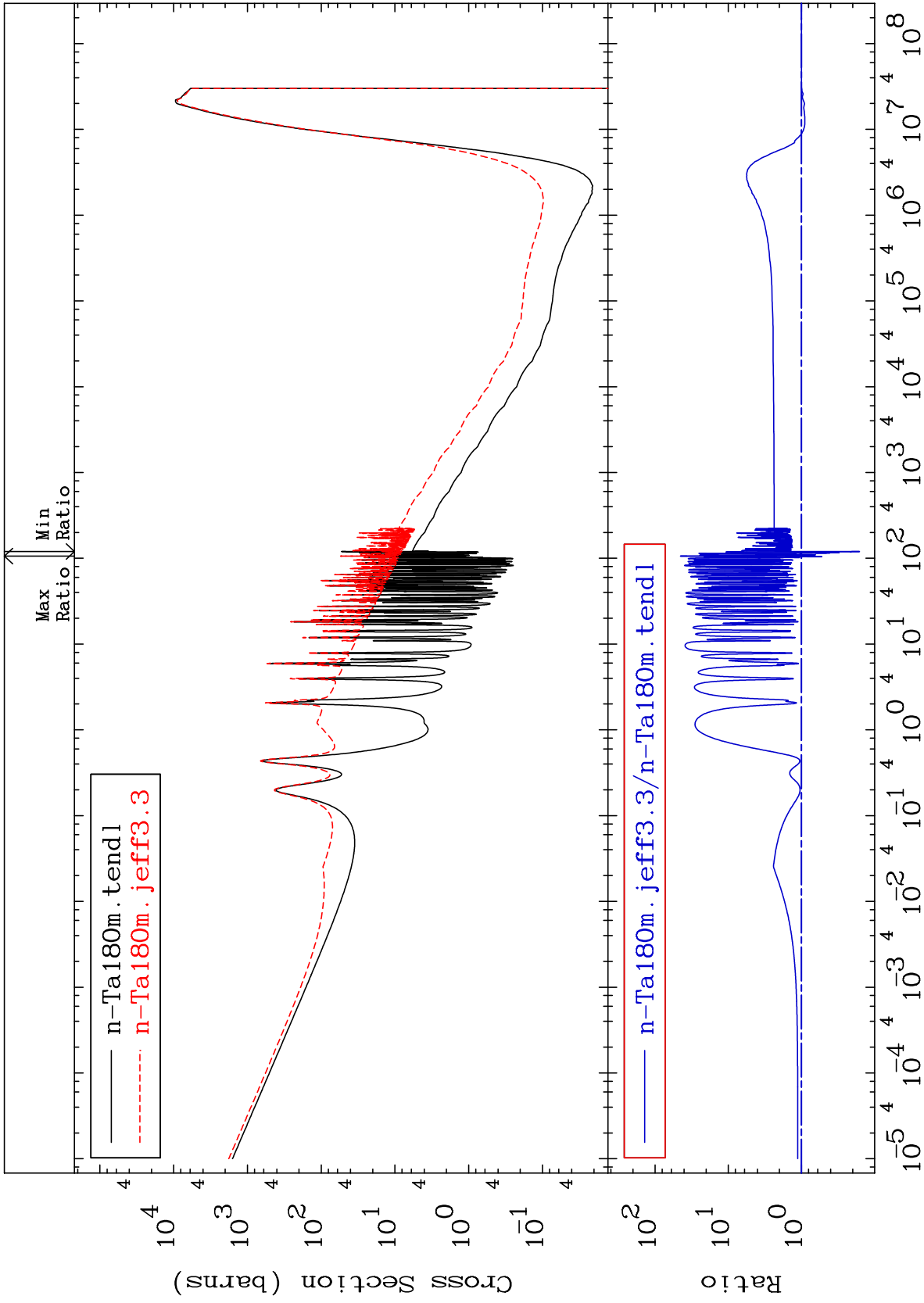
⁷³Ta-180



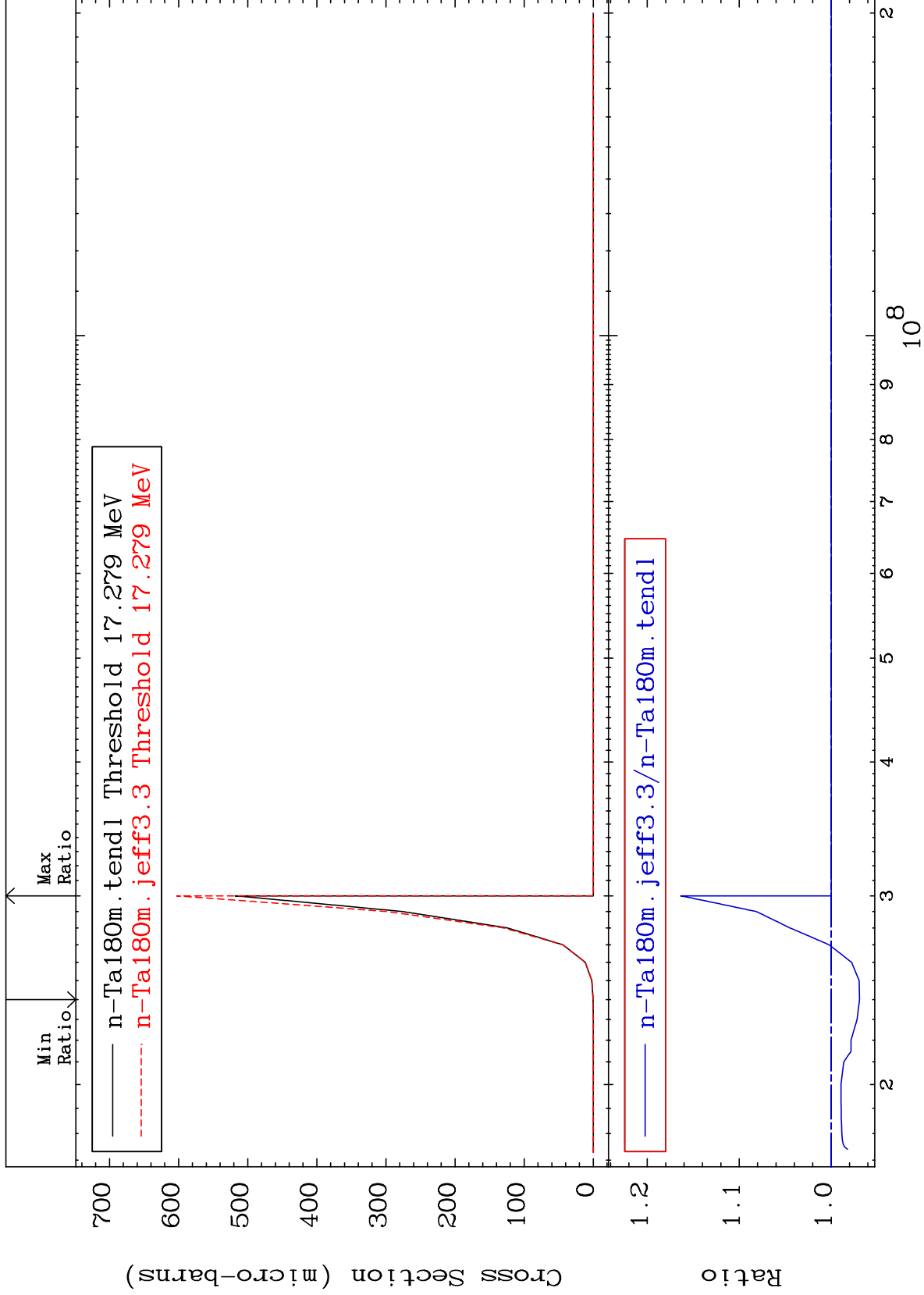








Radionuclide Production Cross Section -3.086 To 16.36 %

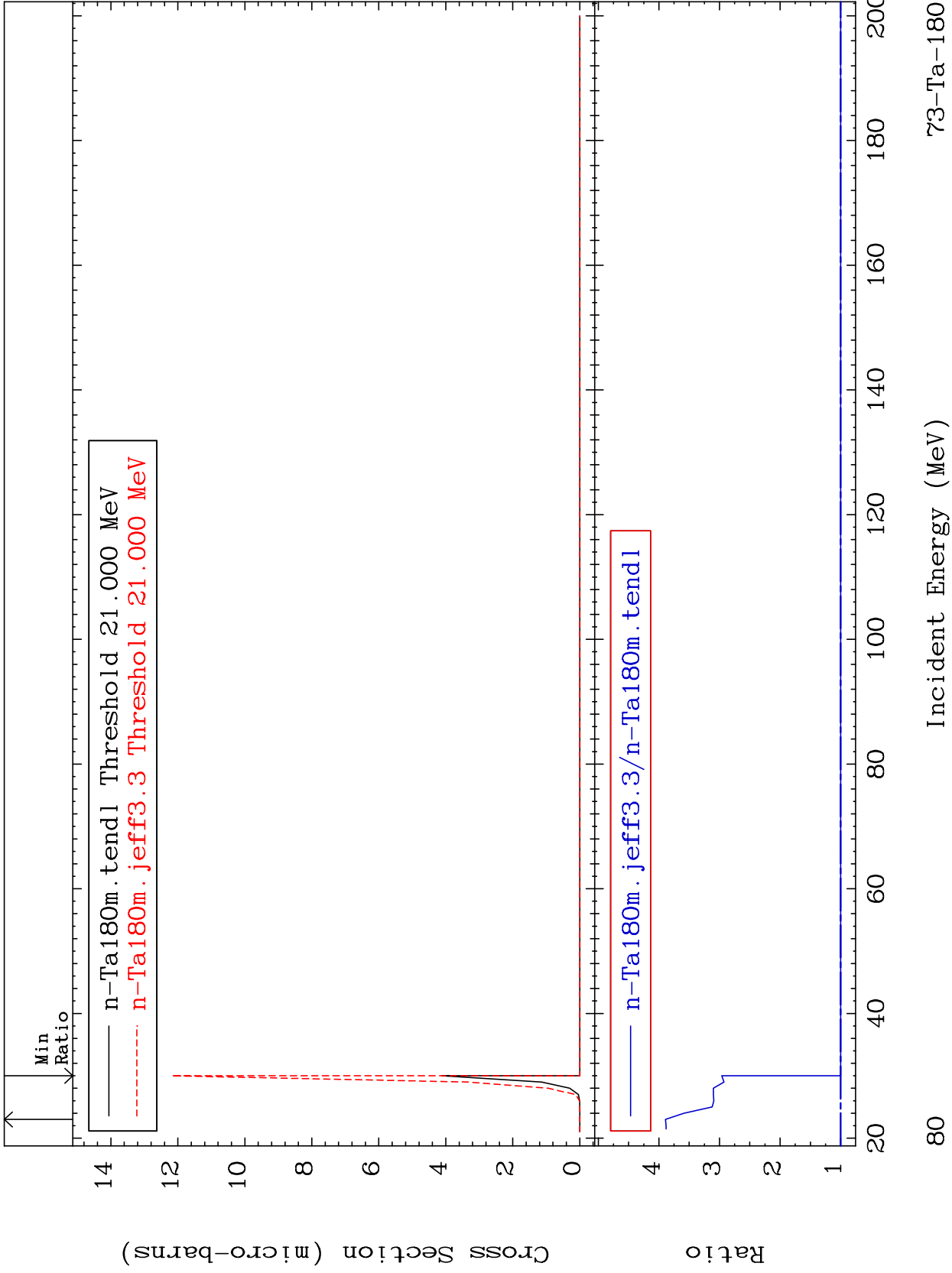


MAT 7326

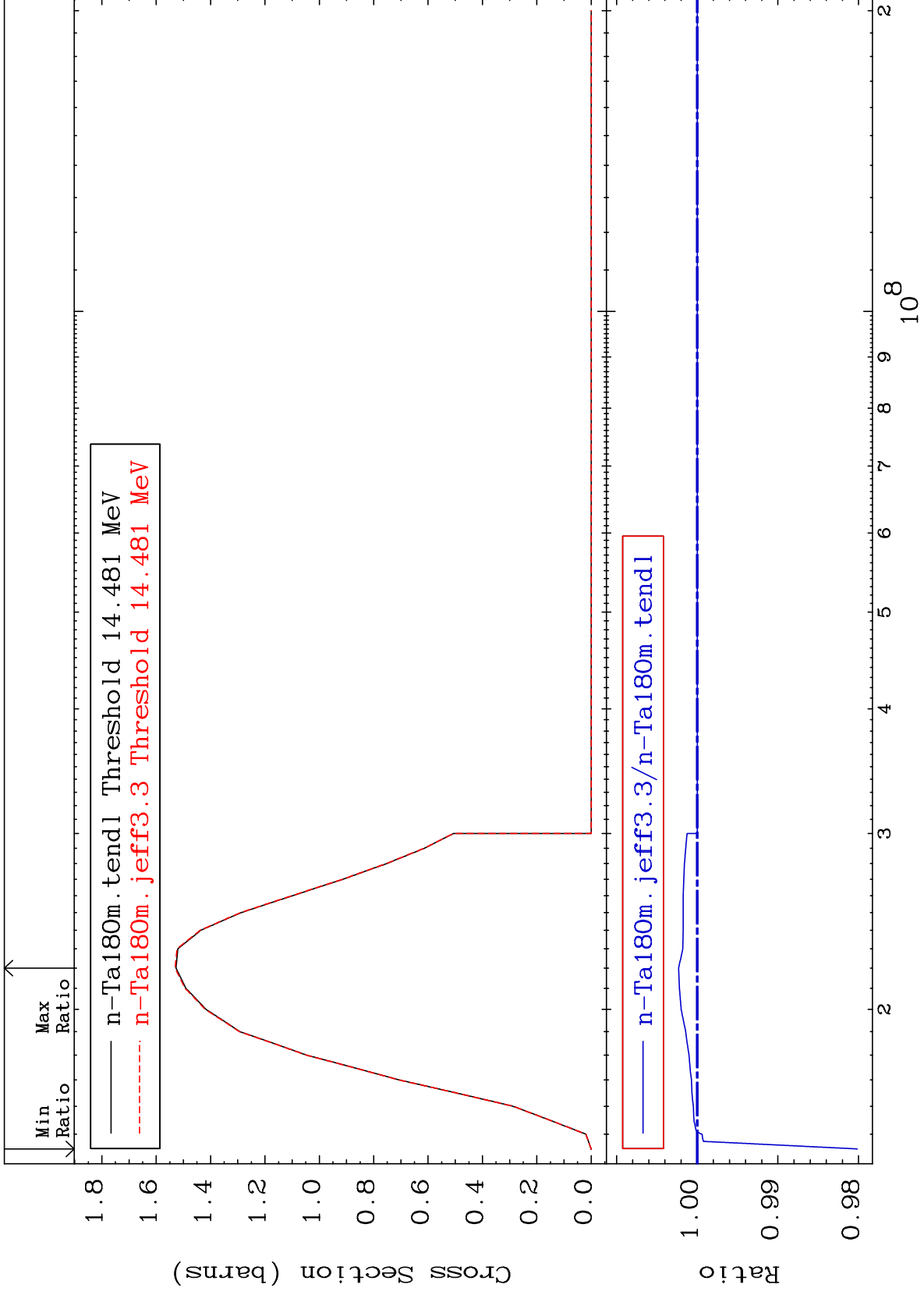
(n,2n) d:72-Hf-177m10

73-Ta-180

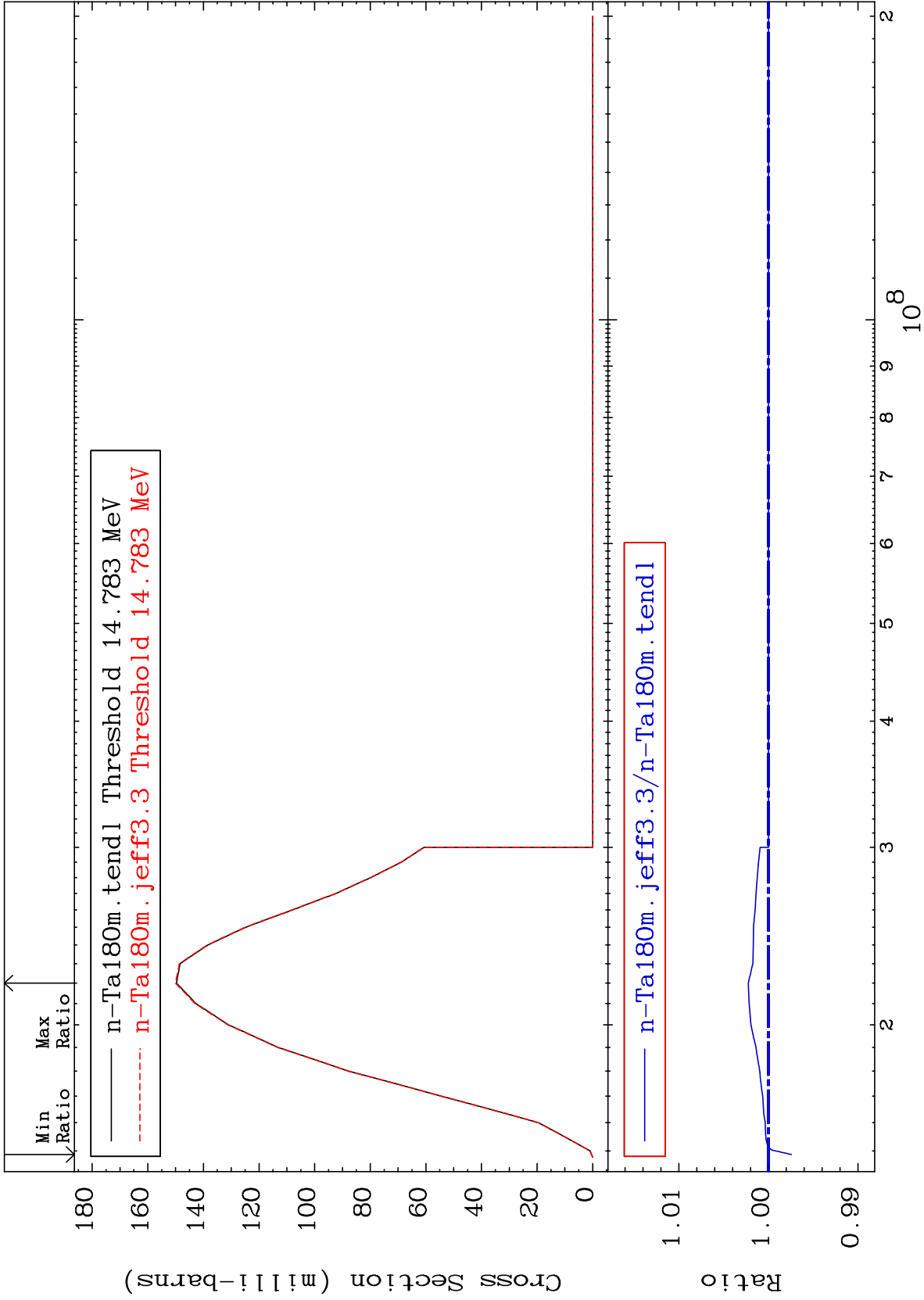
Radionuclide Production Cross Section 0.000 To 289.1 %



Radionuclide Production Cross Section -1.984 To 0.230 %



Radionuclide Production Cross Section -0.258 To 0.225 %



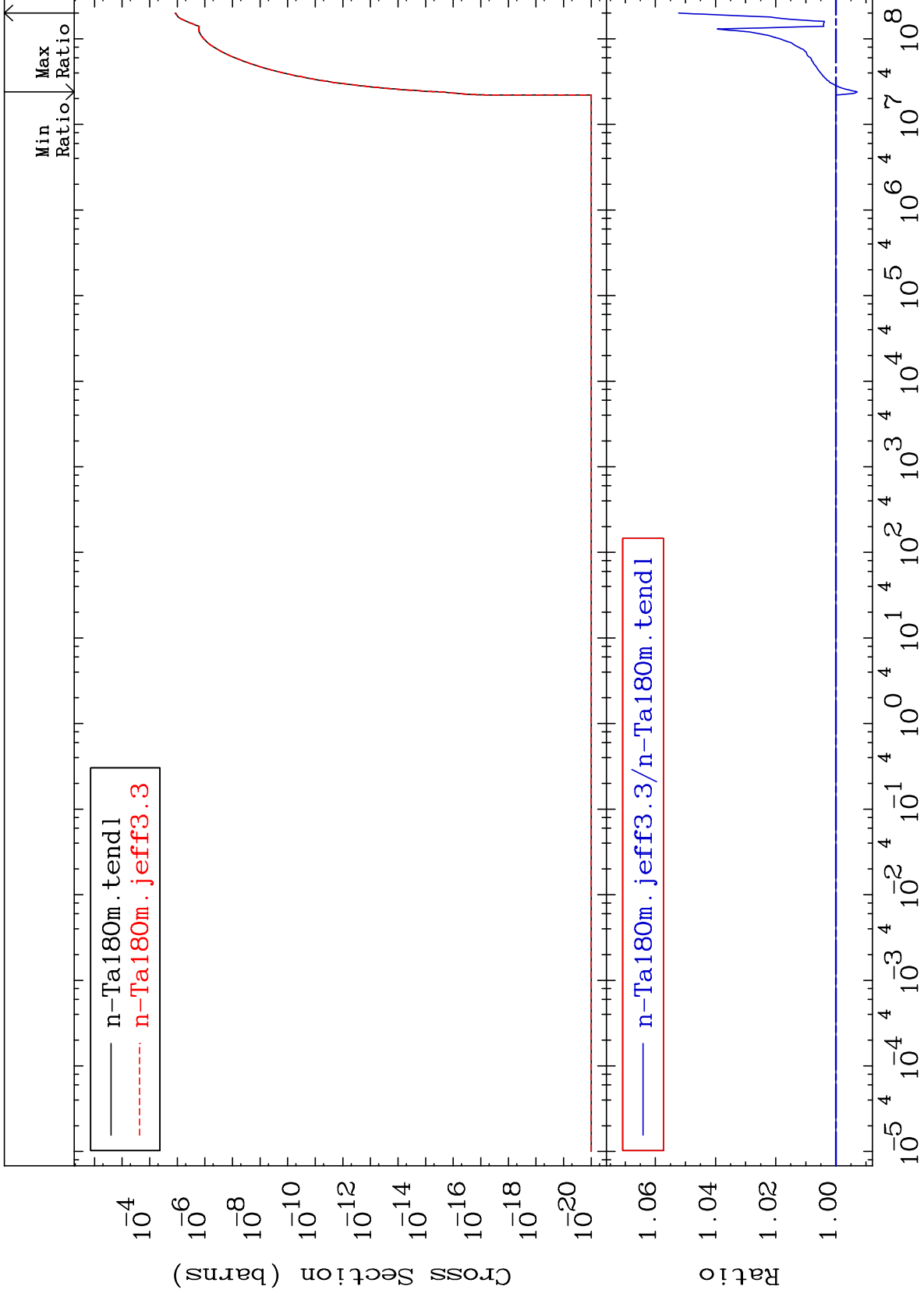
MAT 7326

Fission: Photon

⁷³Ta-180

Radionuclide Production Cross Section

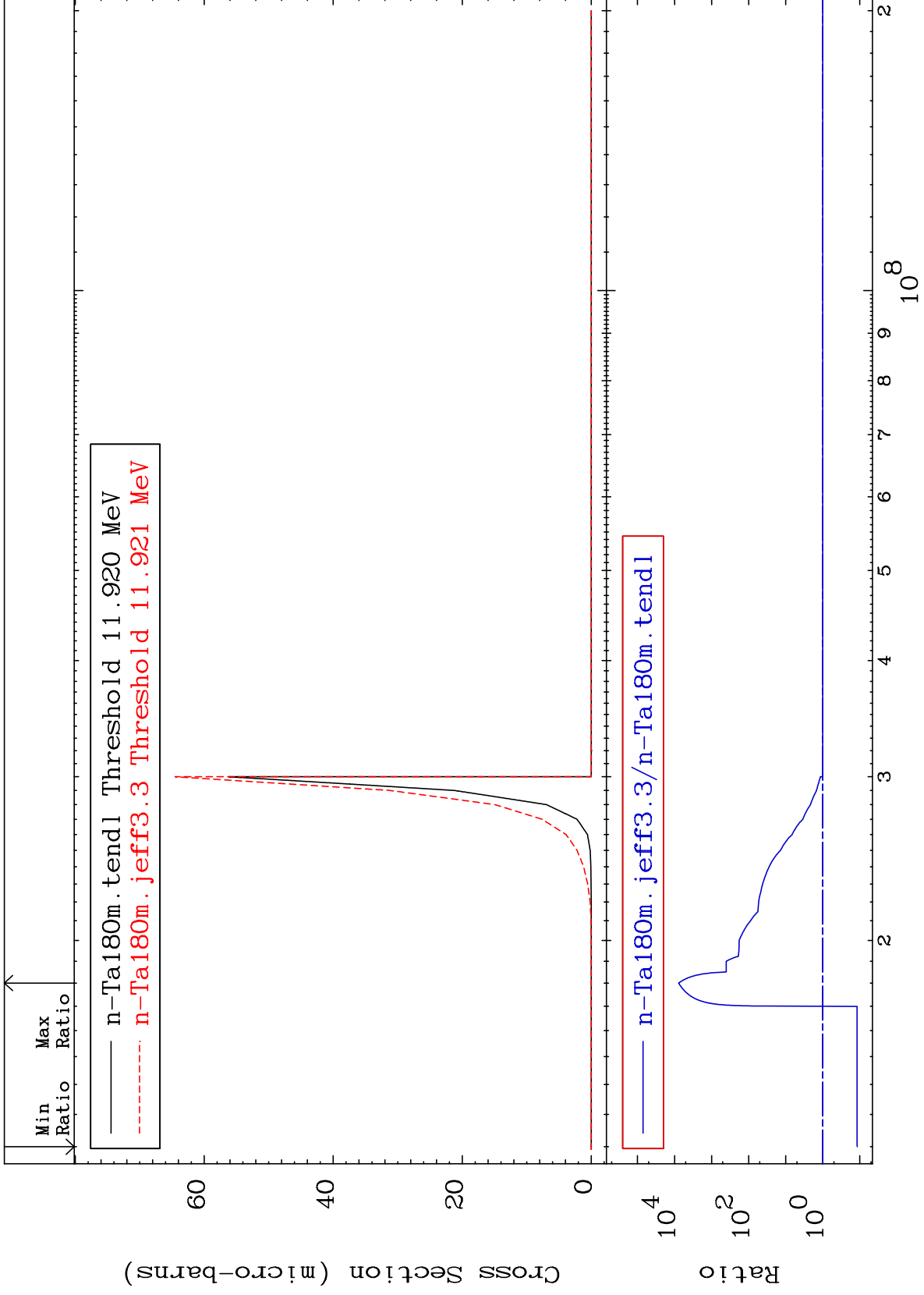
-0.711 To 5.227 %



83

Incident Energy (eV)

⁷³Ta-180

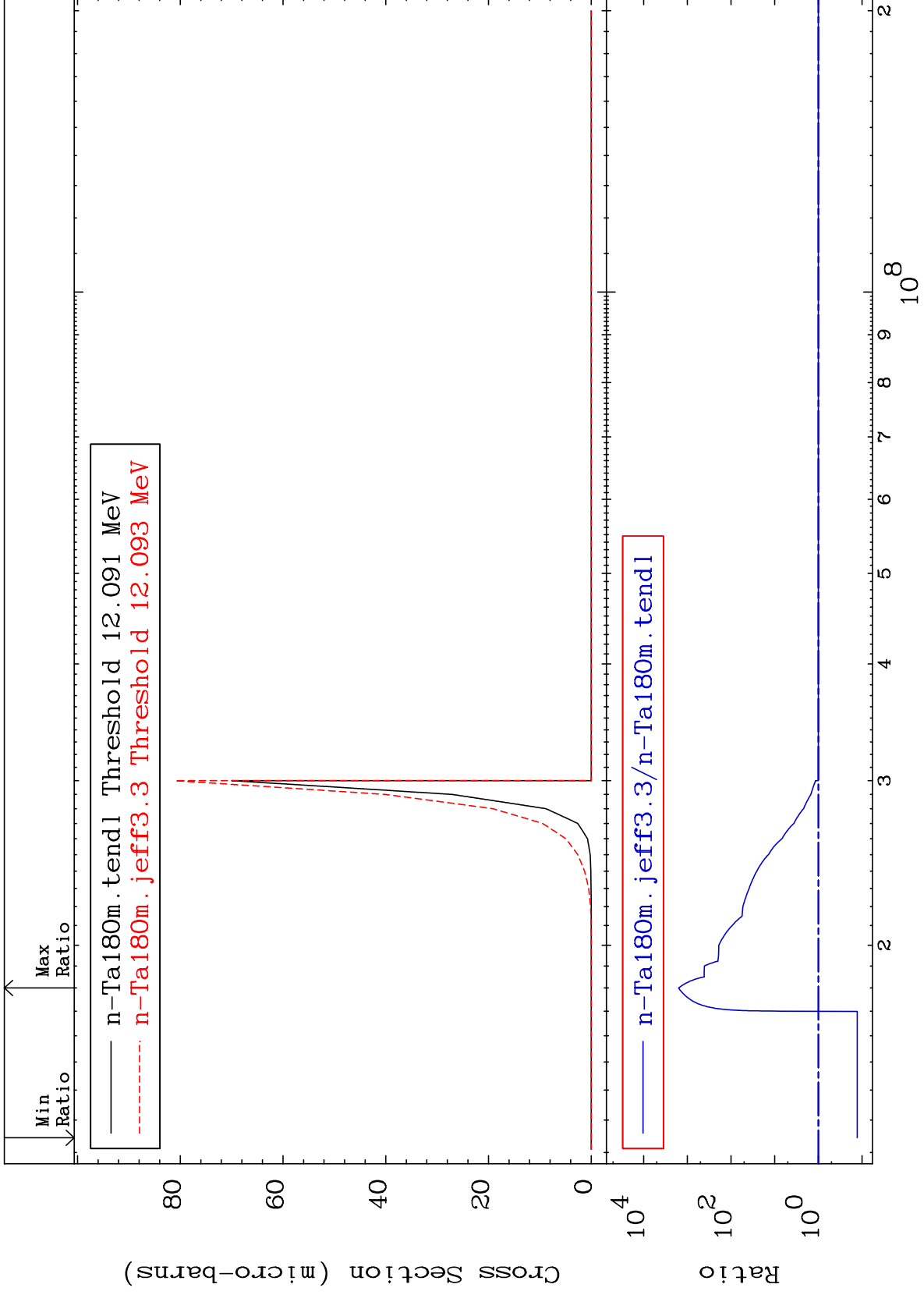


MAT 7326

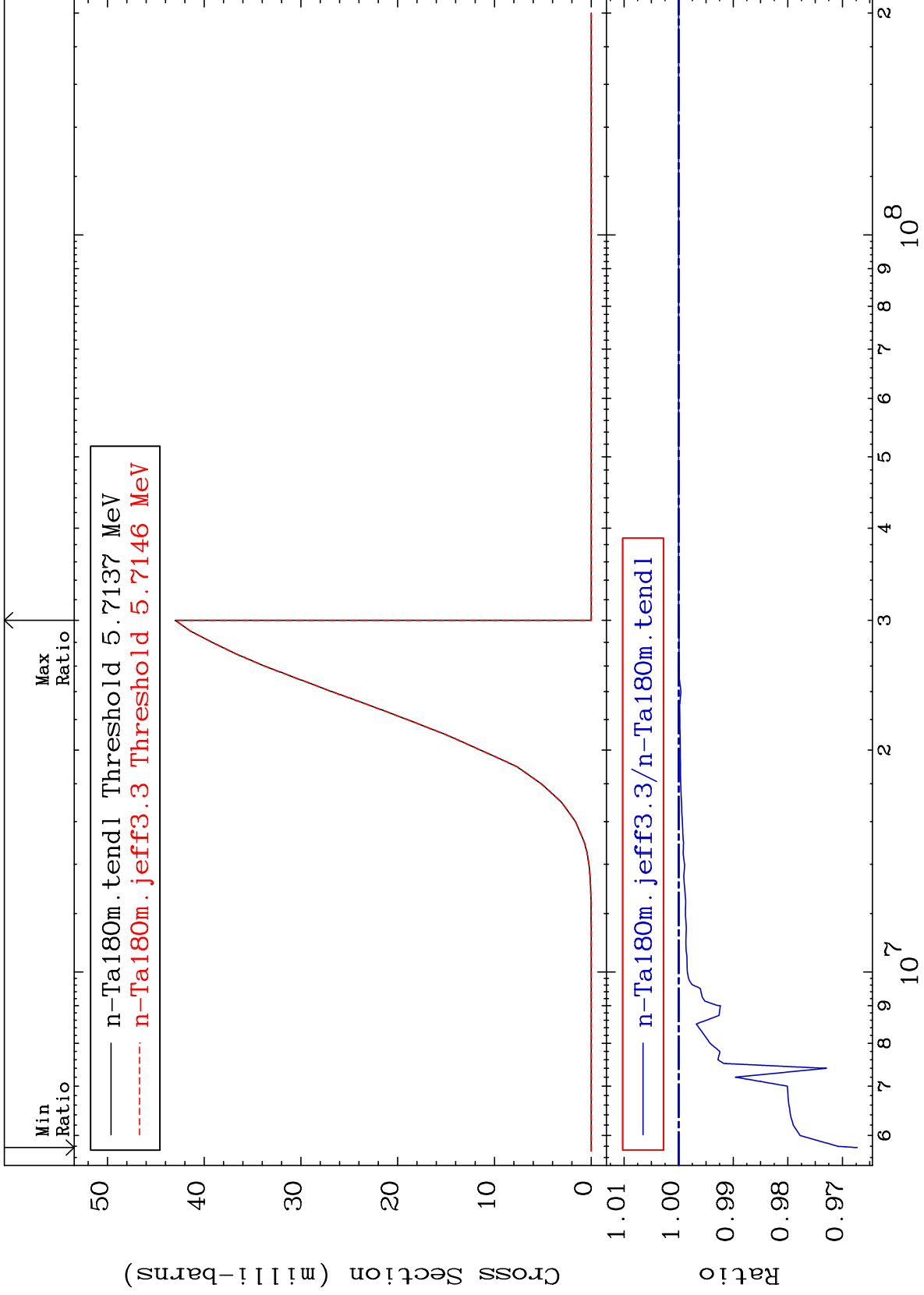
(n,3n) α : 71-Lu-174m3

73-Ta-180

Radionuclide Production Cross Section -87.16 To 9999. %



Radionuclide Production Cross Section -3.270 To 0.000 %

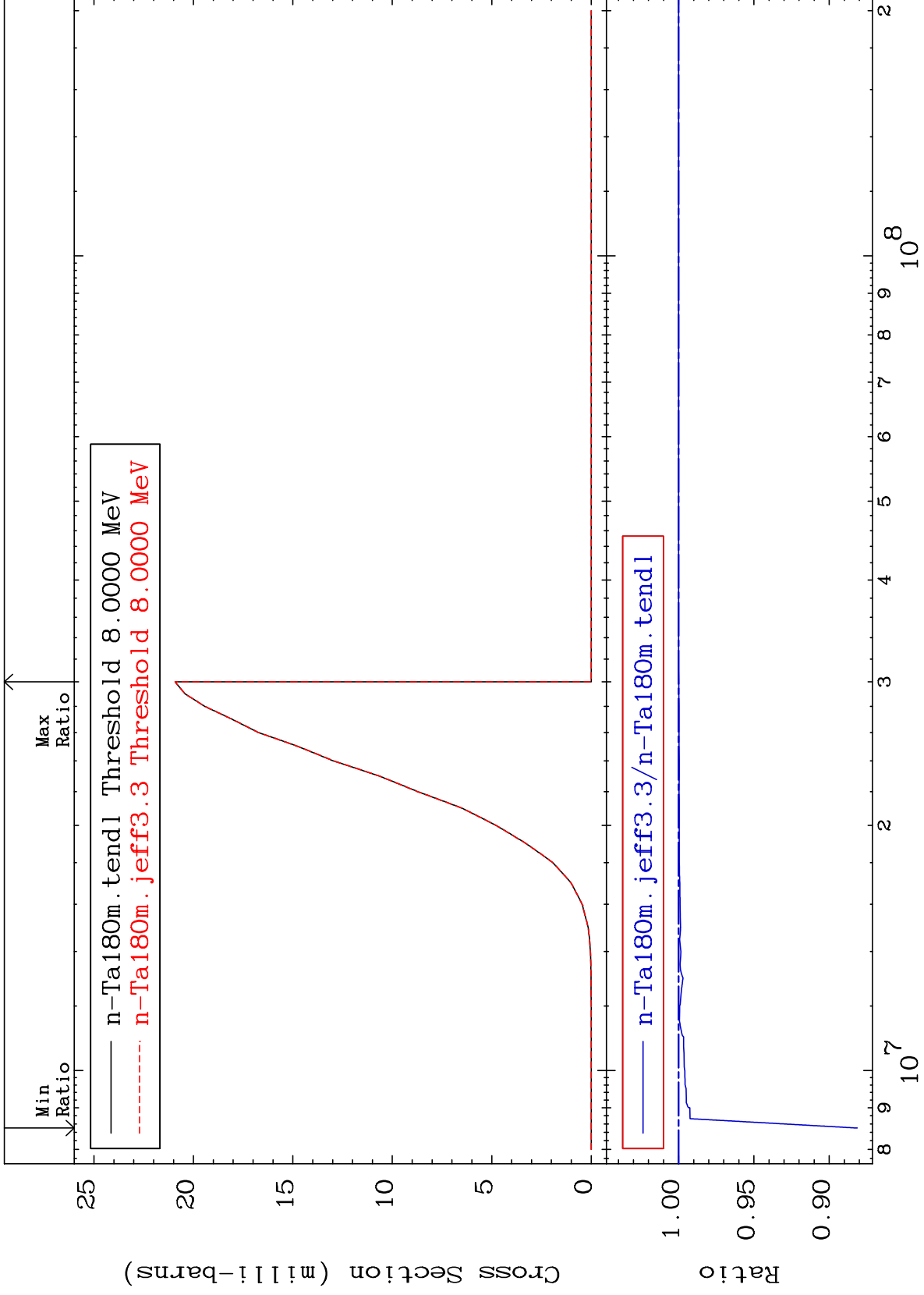


MAT 7326

(n, n') p: 72-Hf-179m5

73-Ta-180

Radionuclide Production Cross Section -11.86 To 0.000 %

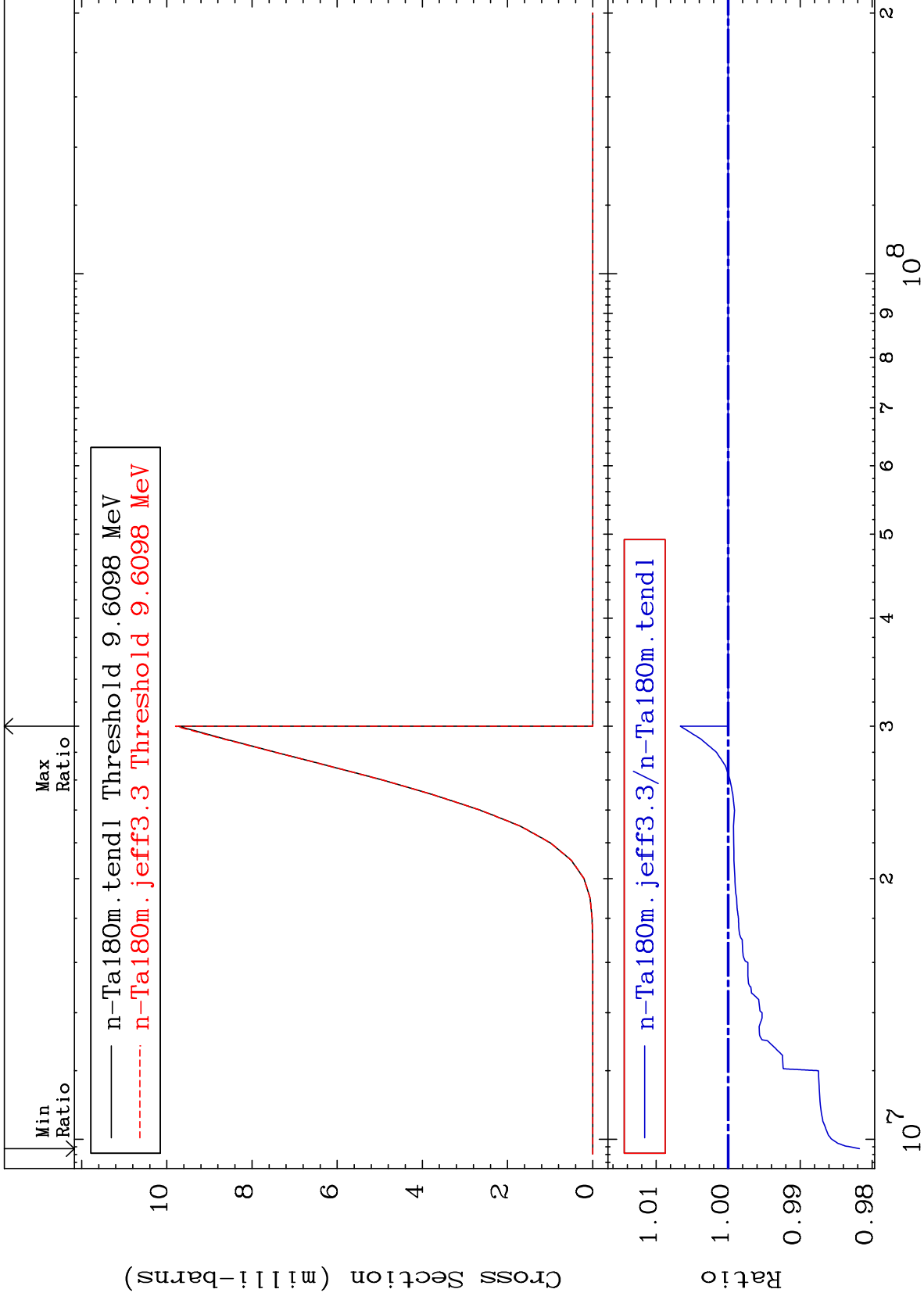


87

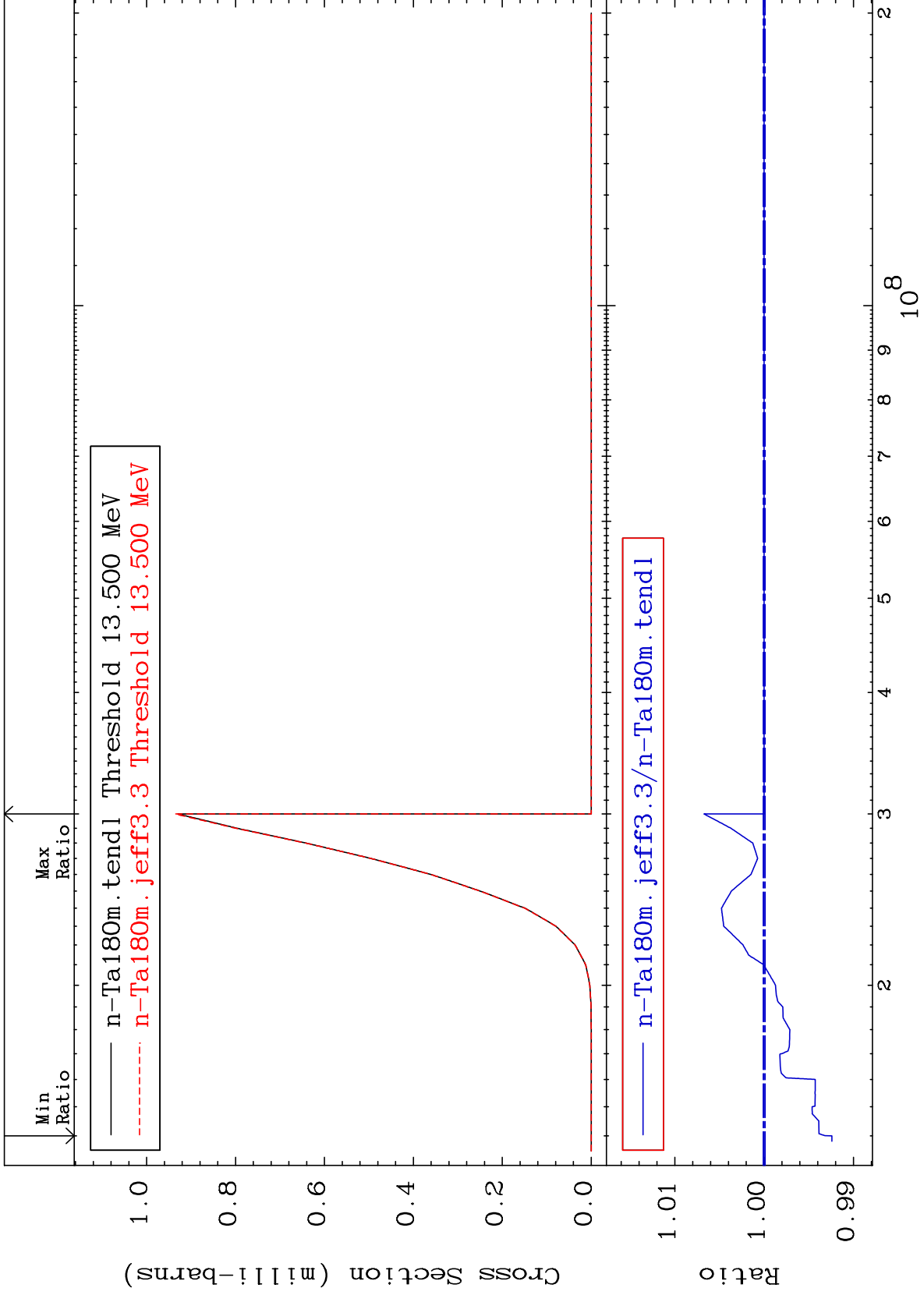
Incident Energy (eV)

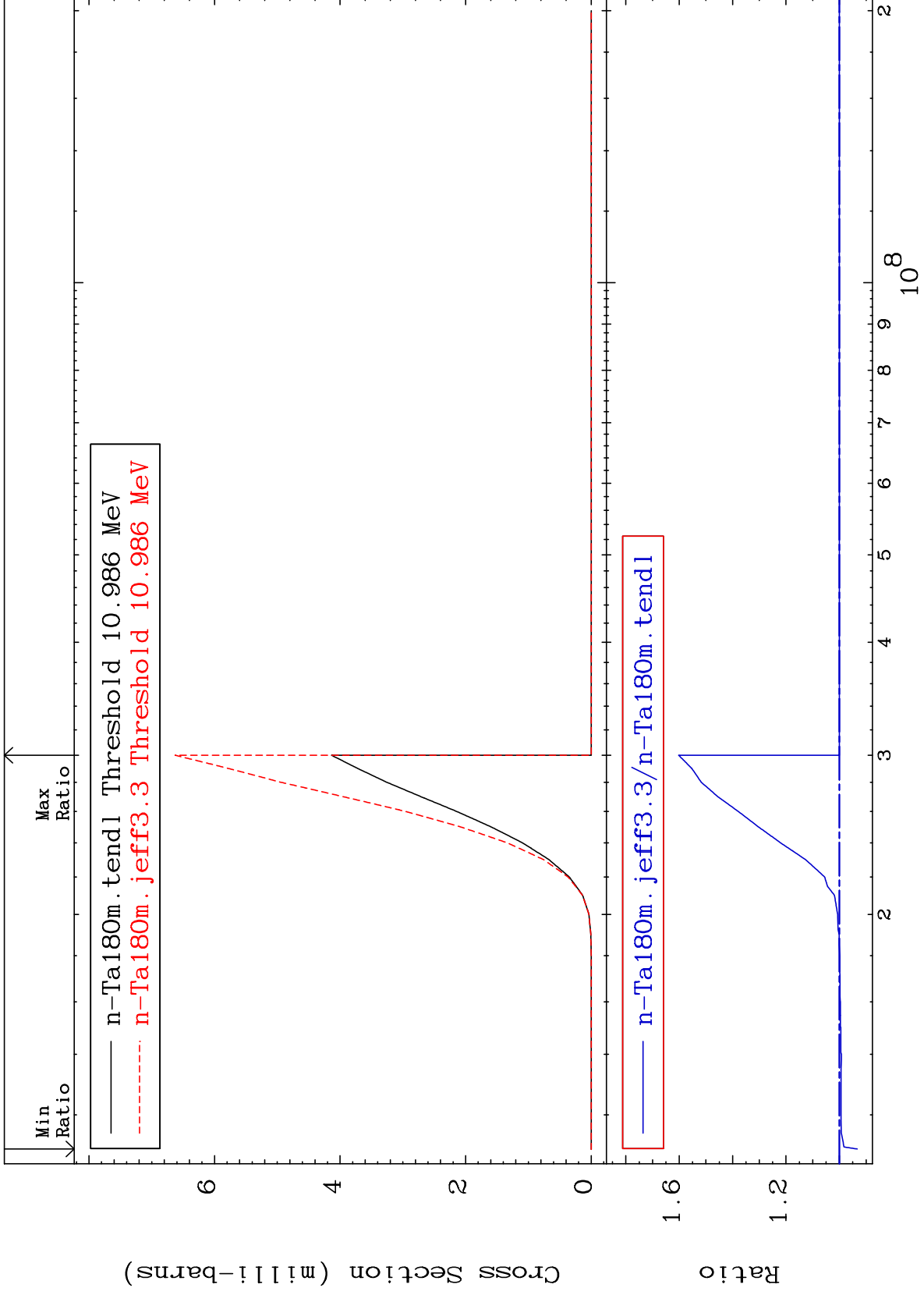
73-Ta-180

Radionuclide Production Cross Section -1.823 To 0.664 %



Radionuclide Production Cross Section -0.758 To 0.673 %



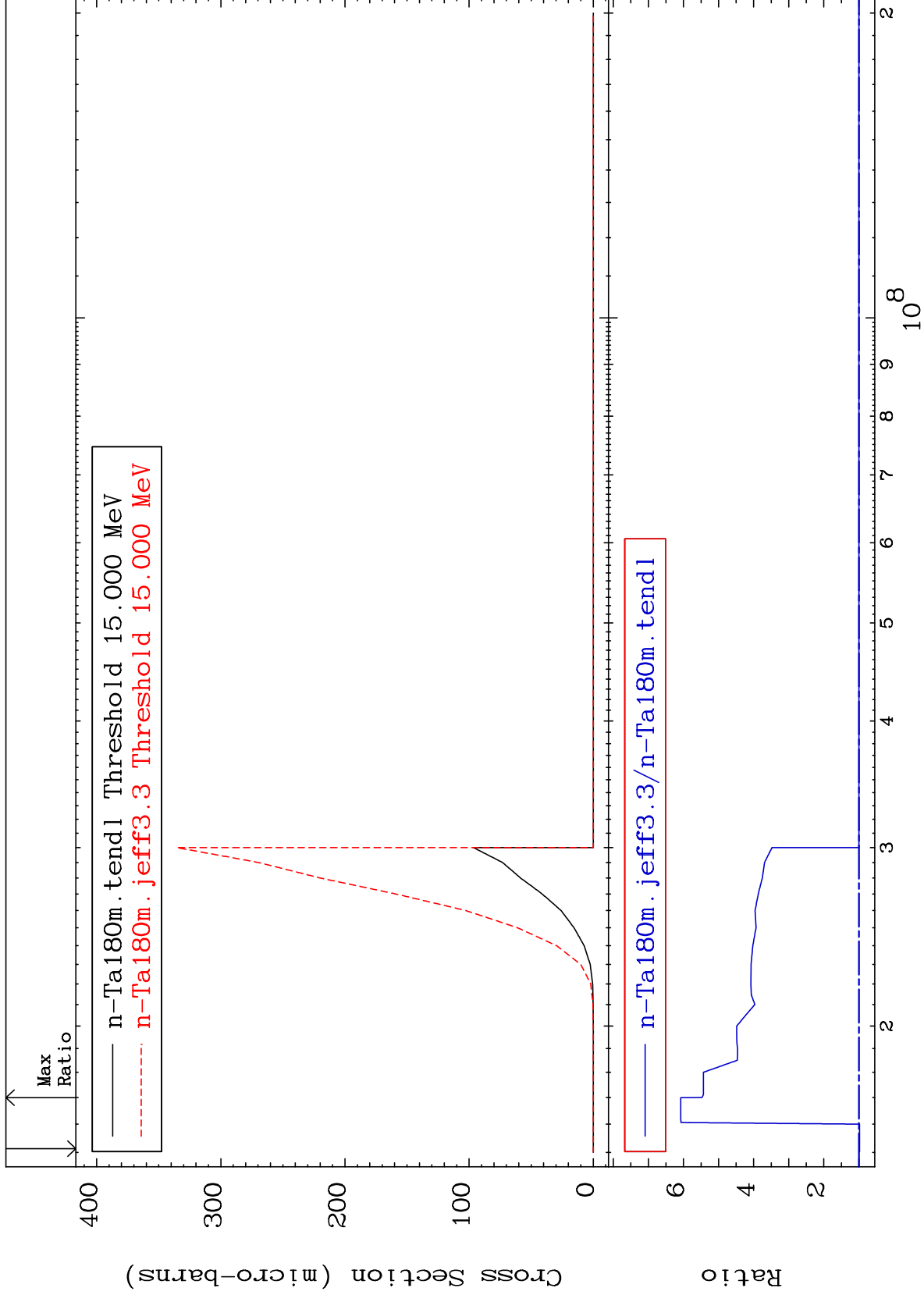


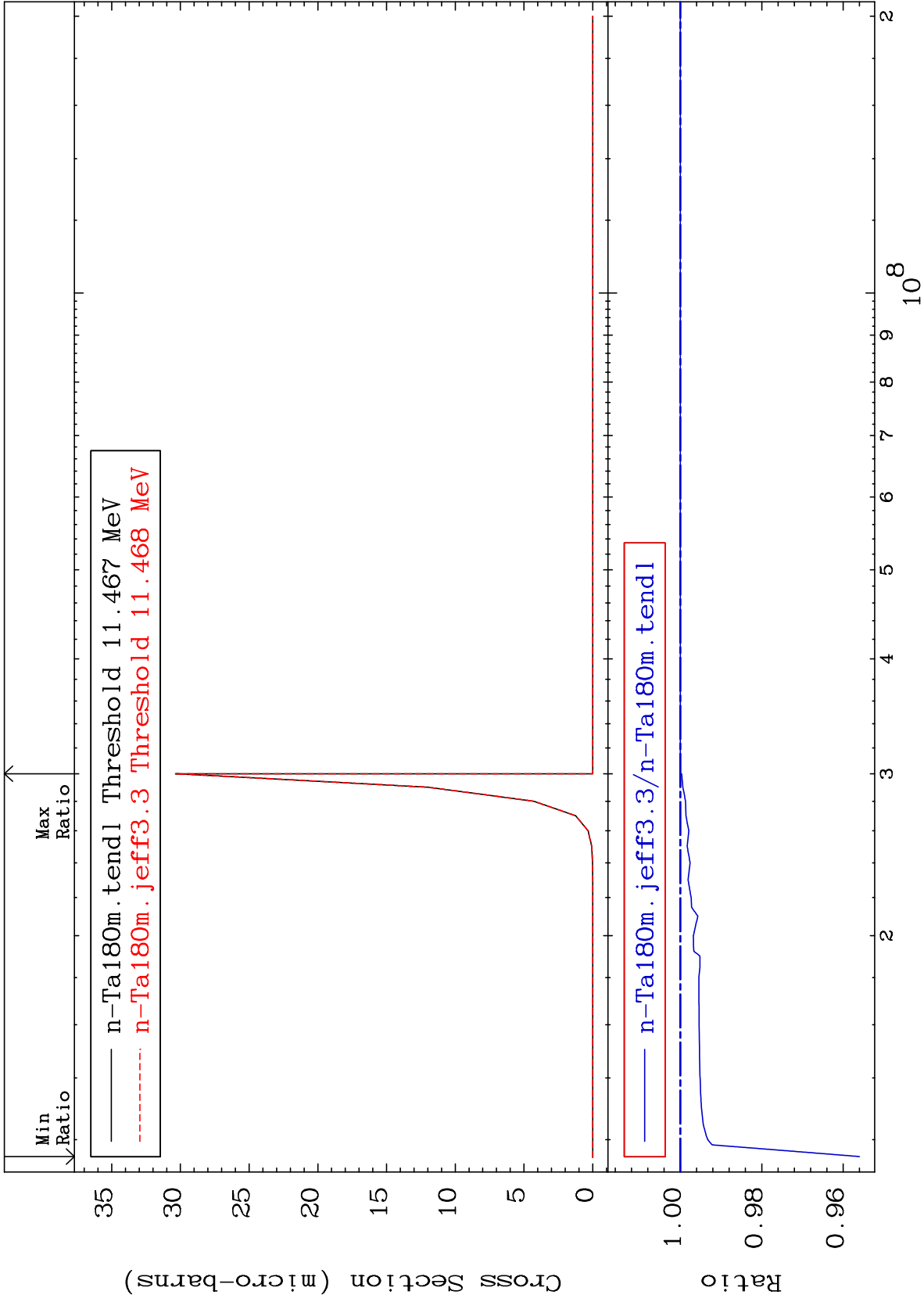
MAT 7326

(n, n') t:72-Hf-177m10

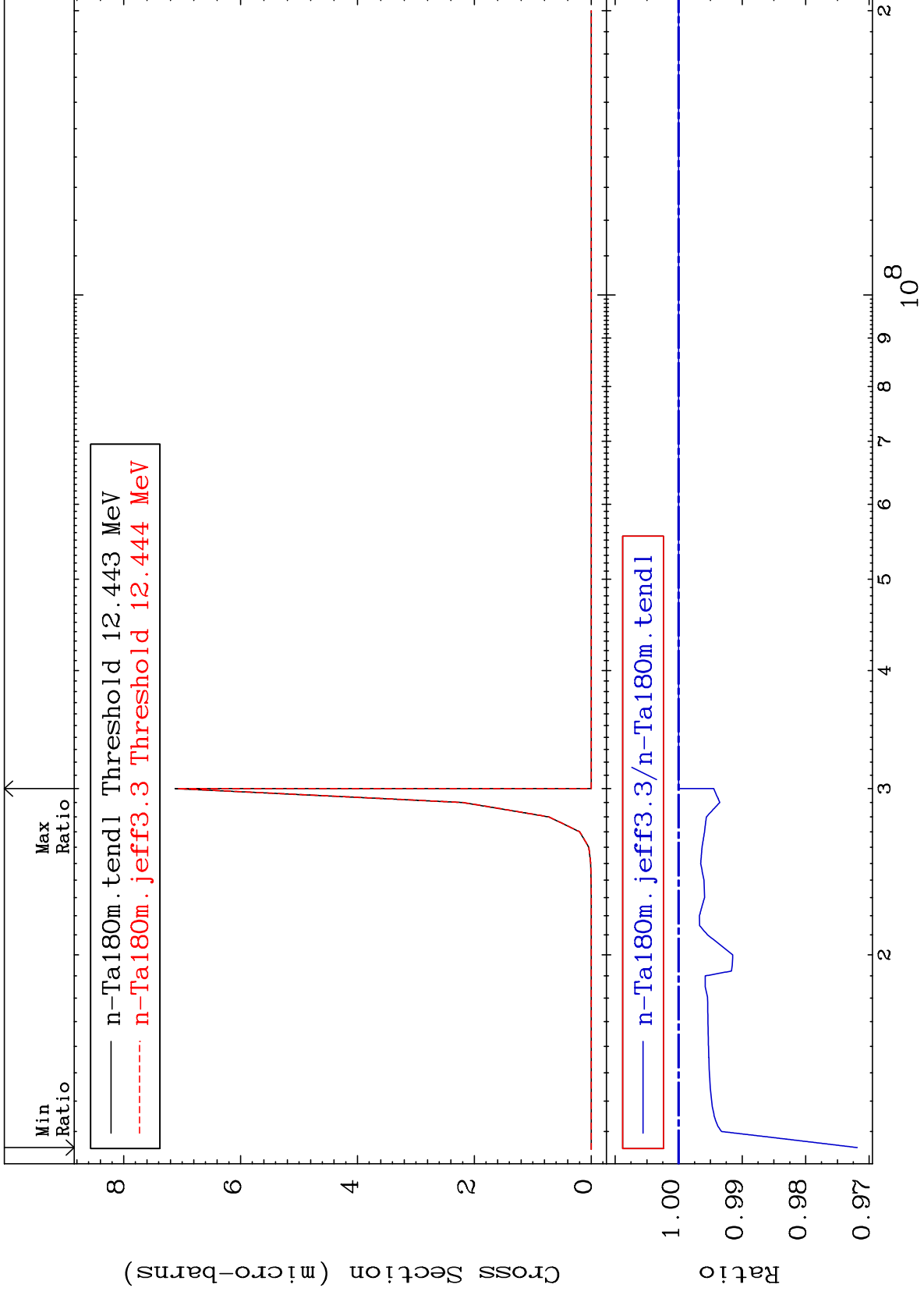
73-Ta-180

Radionuclide Production Cross Section -1.760 To 507.7 %

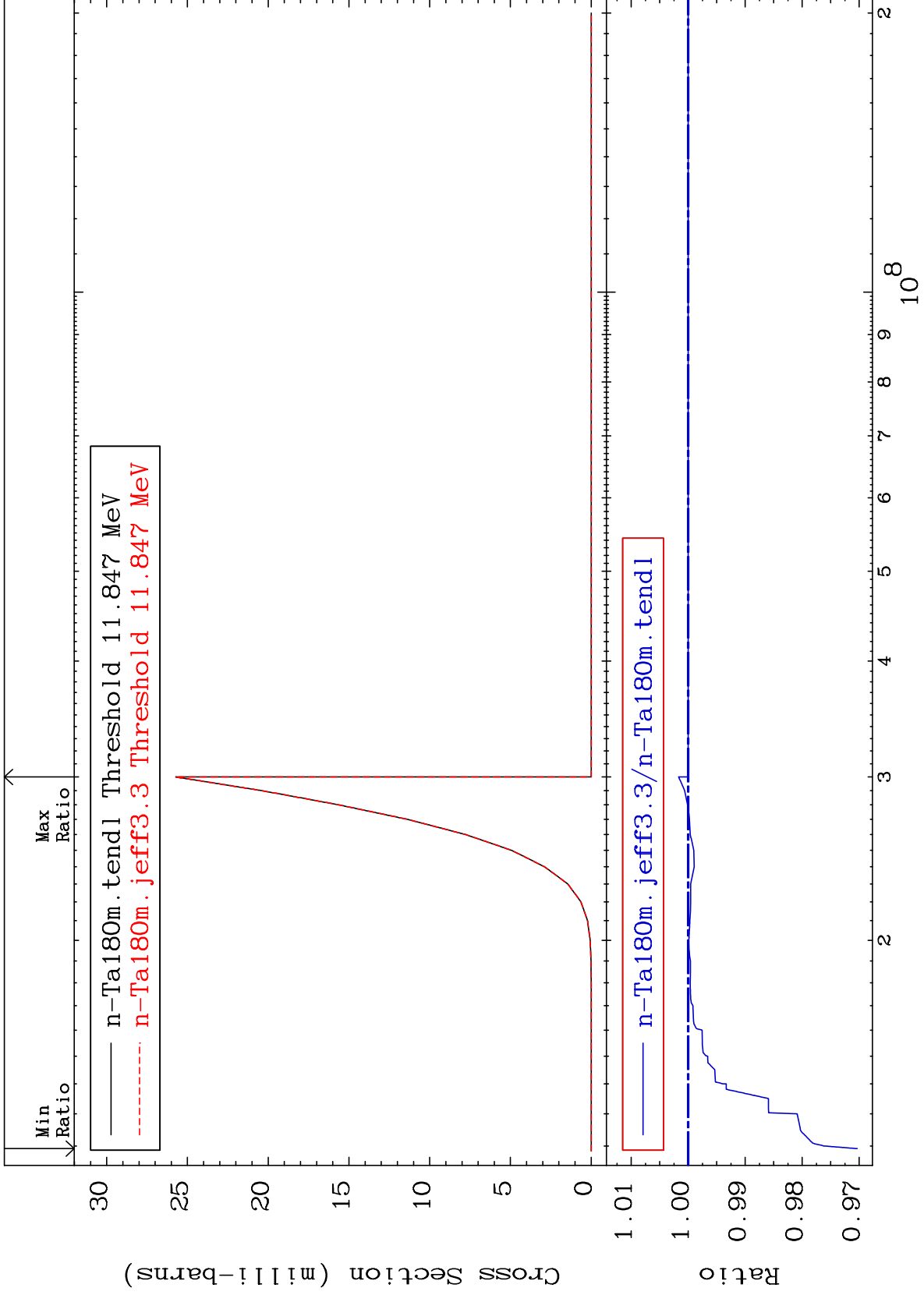




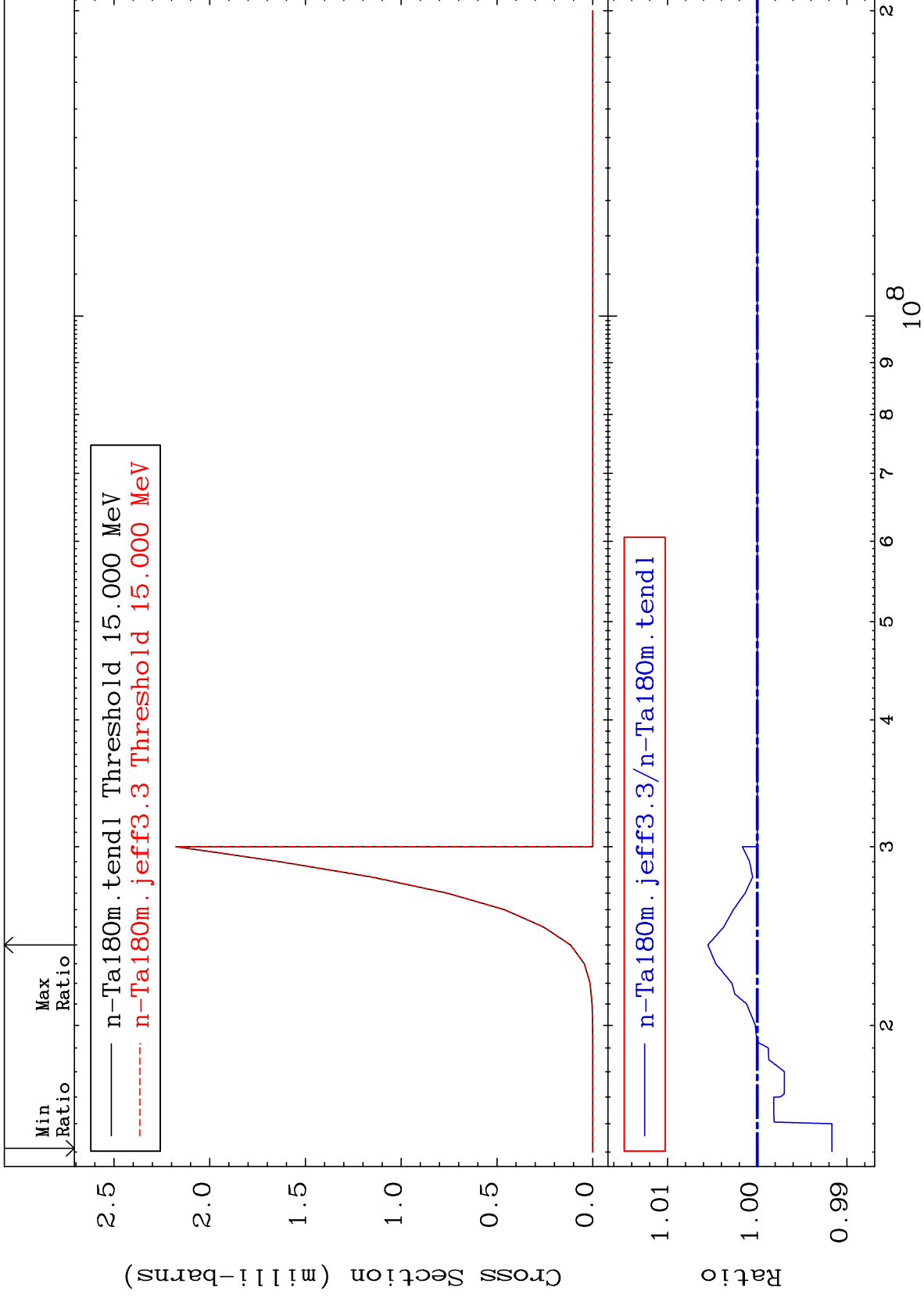
Radionuclide Production Cross Section -2.812 To 0.000 %

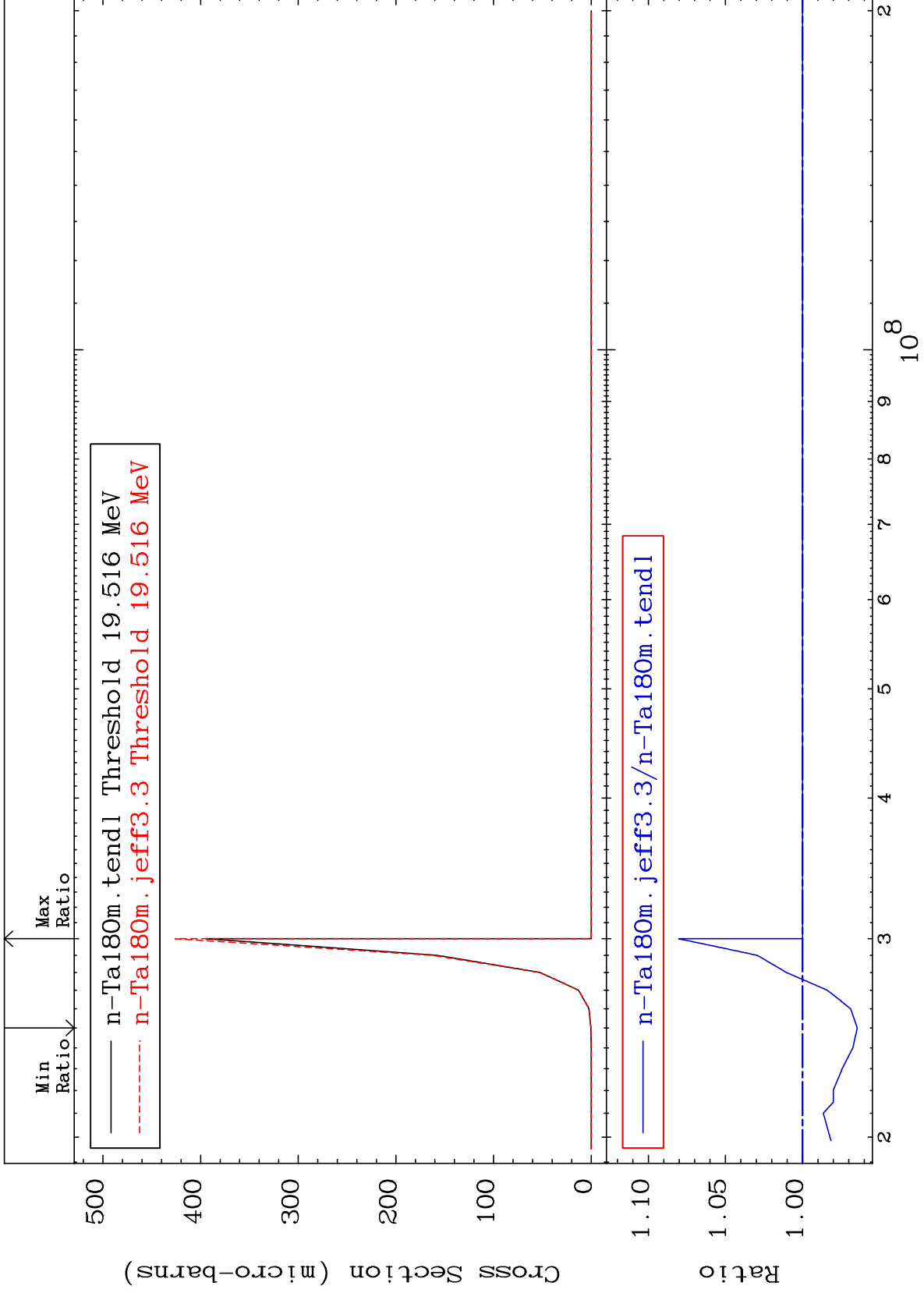


Radionuclide Production Cross Section -2.967 To 0.168 %



Radionuclide Production Cross Section -0.833 To 0.552 %



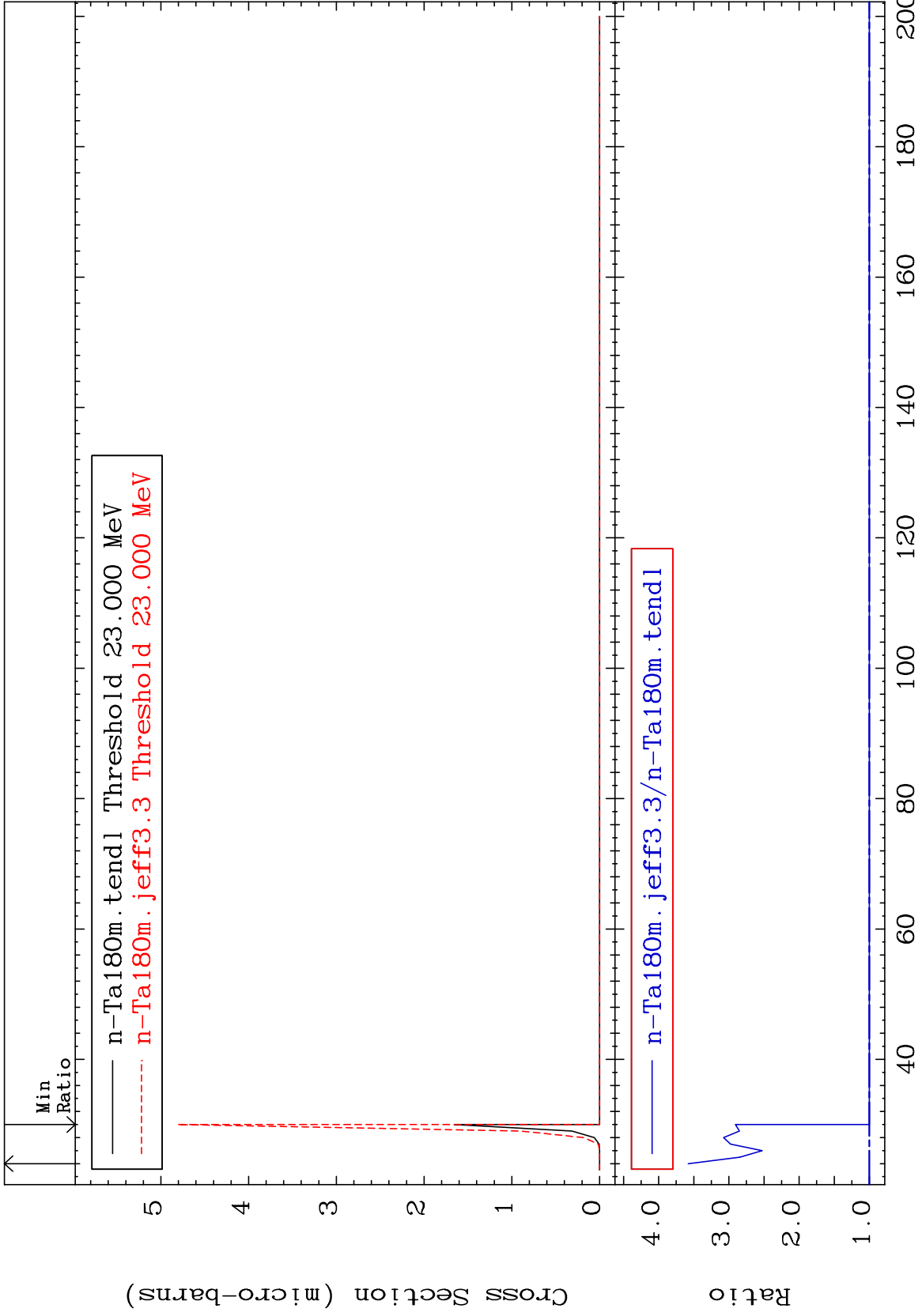


MAT 7326

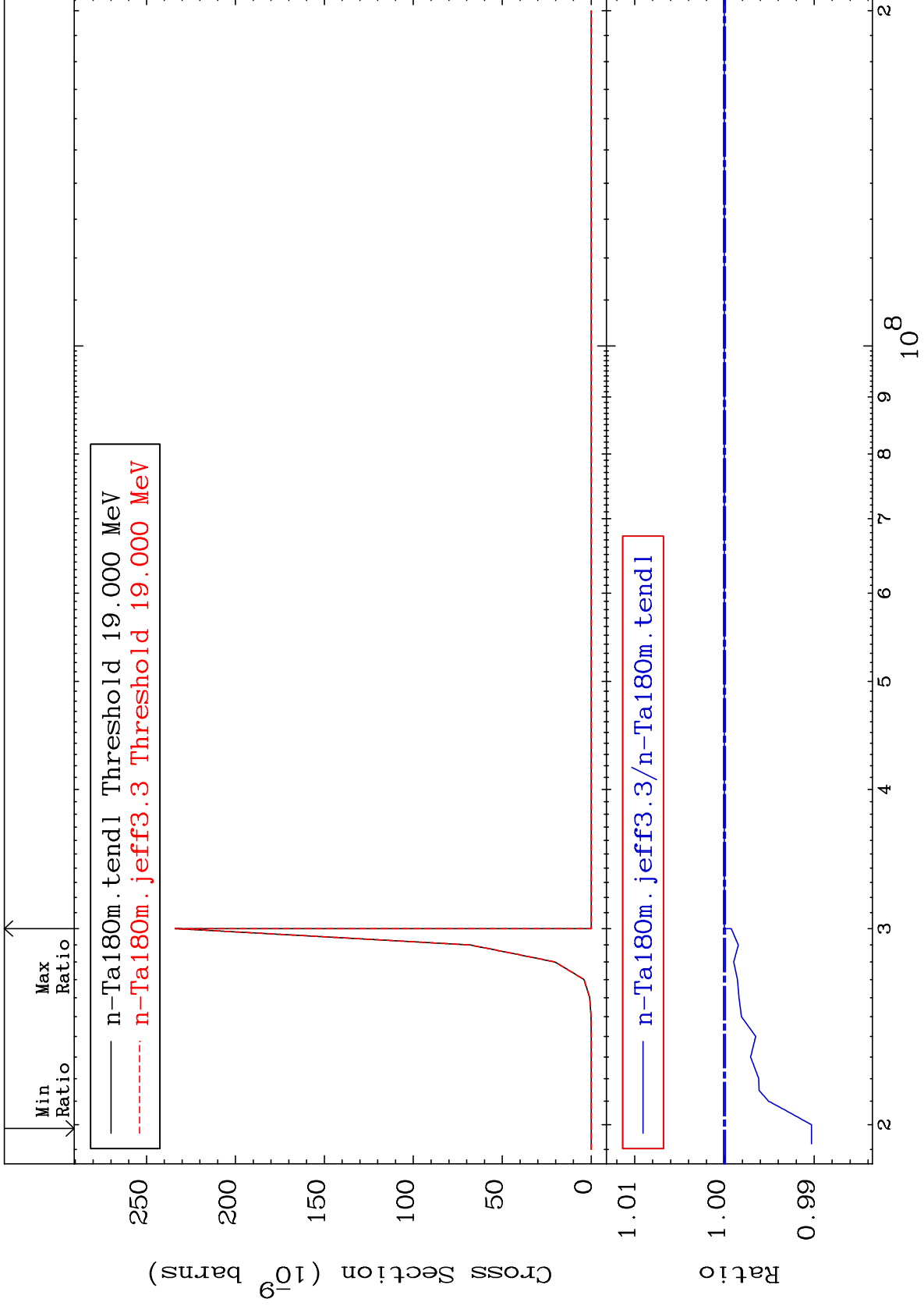
(n,3n) p:72-Hf-177m10

73-Ta-180

Radionuclide Production Cross Section 0.000 To 257.9 %



Radionuclide Production Cross Section -0.970 To 0.000 %

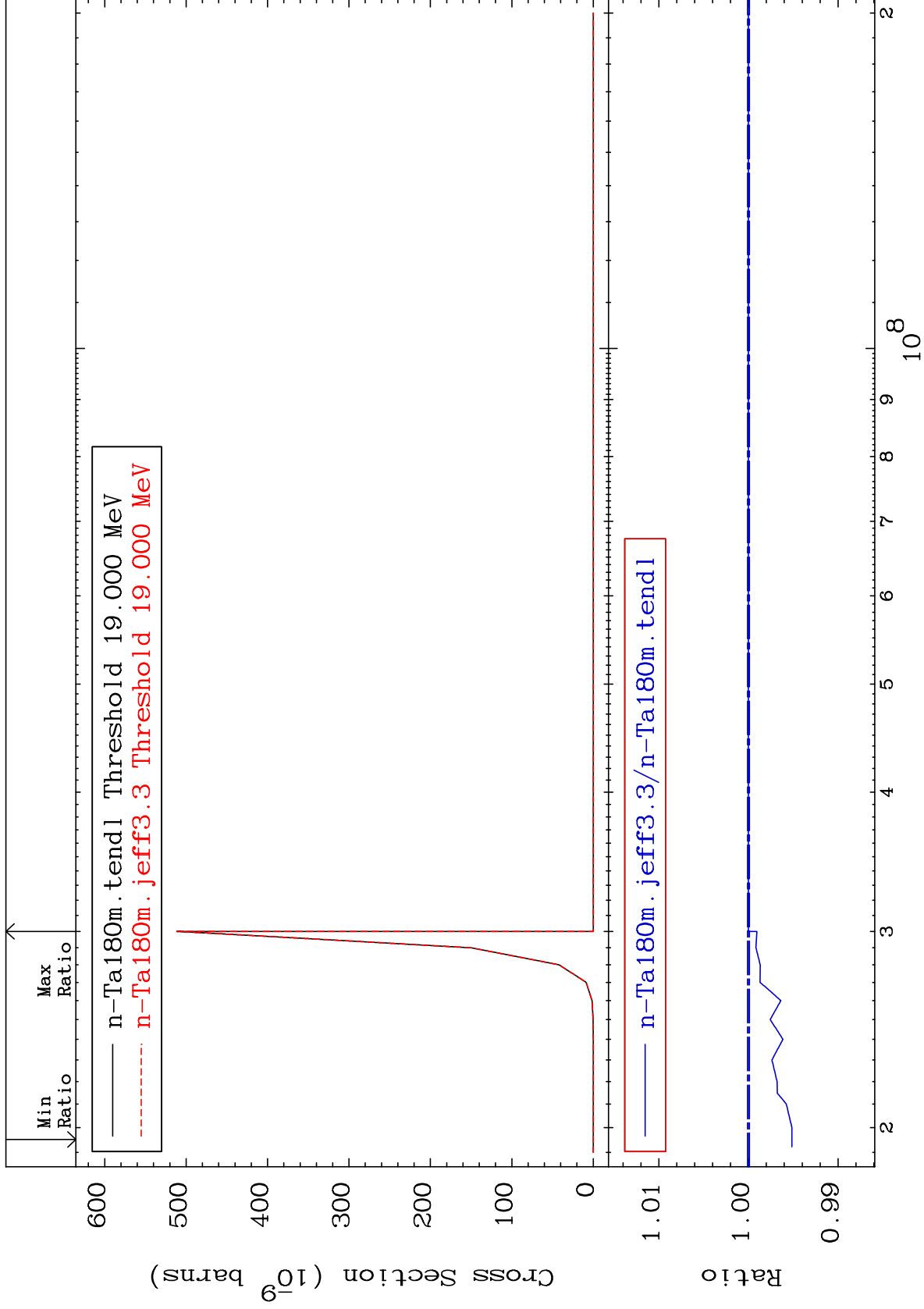


MAT 7326

(n,2n) p:71-Lu-178m3

73-Ta-180

Radionuclide Production Cross Section -0.485 To 0.000 %



99

Incident Energy (eV)

73-Ta-180

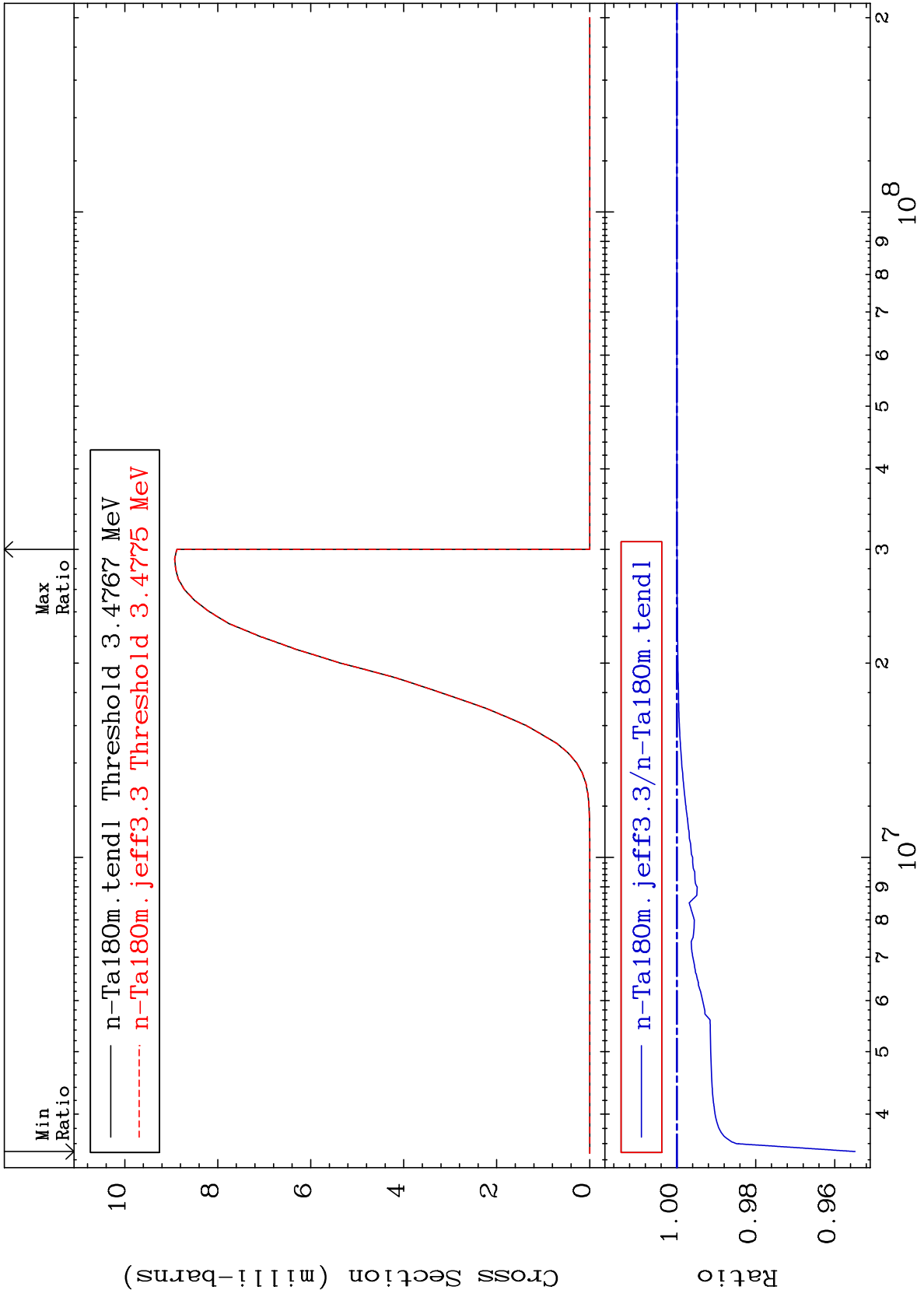
MAT 7326

(n, d) : 72-Hf-179g

73-Ta-180

Radionuclide Production Cross Section

-4.518 To 0.000 %

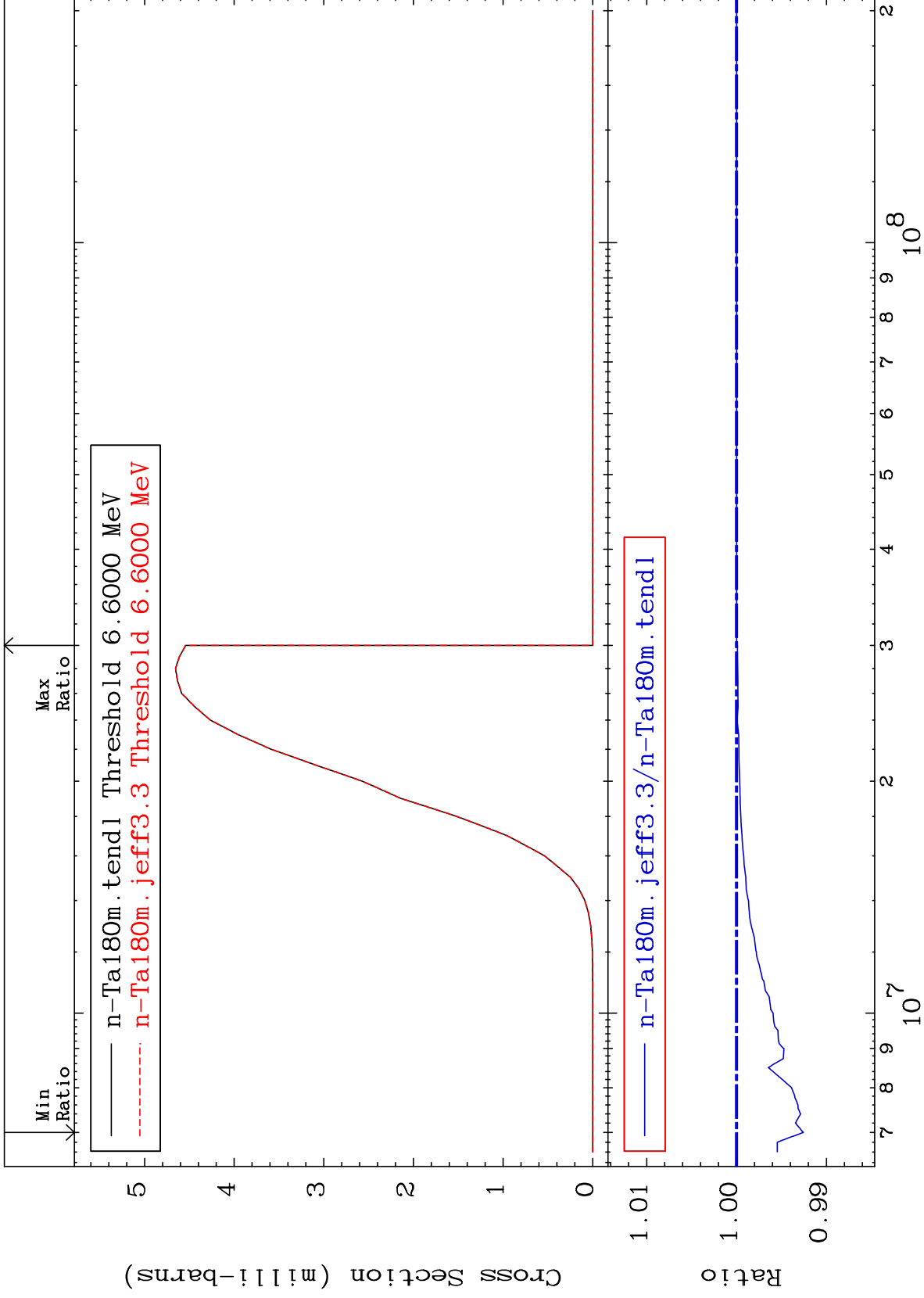


MAT 7326

(n, d) : 72-Hf-179m5

73-Ta-180

Radionuclide Production Cross Section -0.743 To 0.000 %



101

Incident Energy (eV)

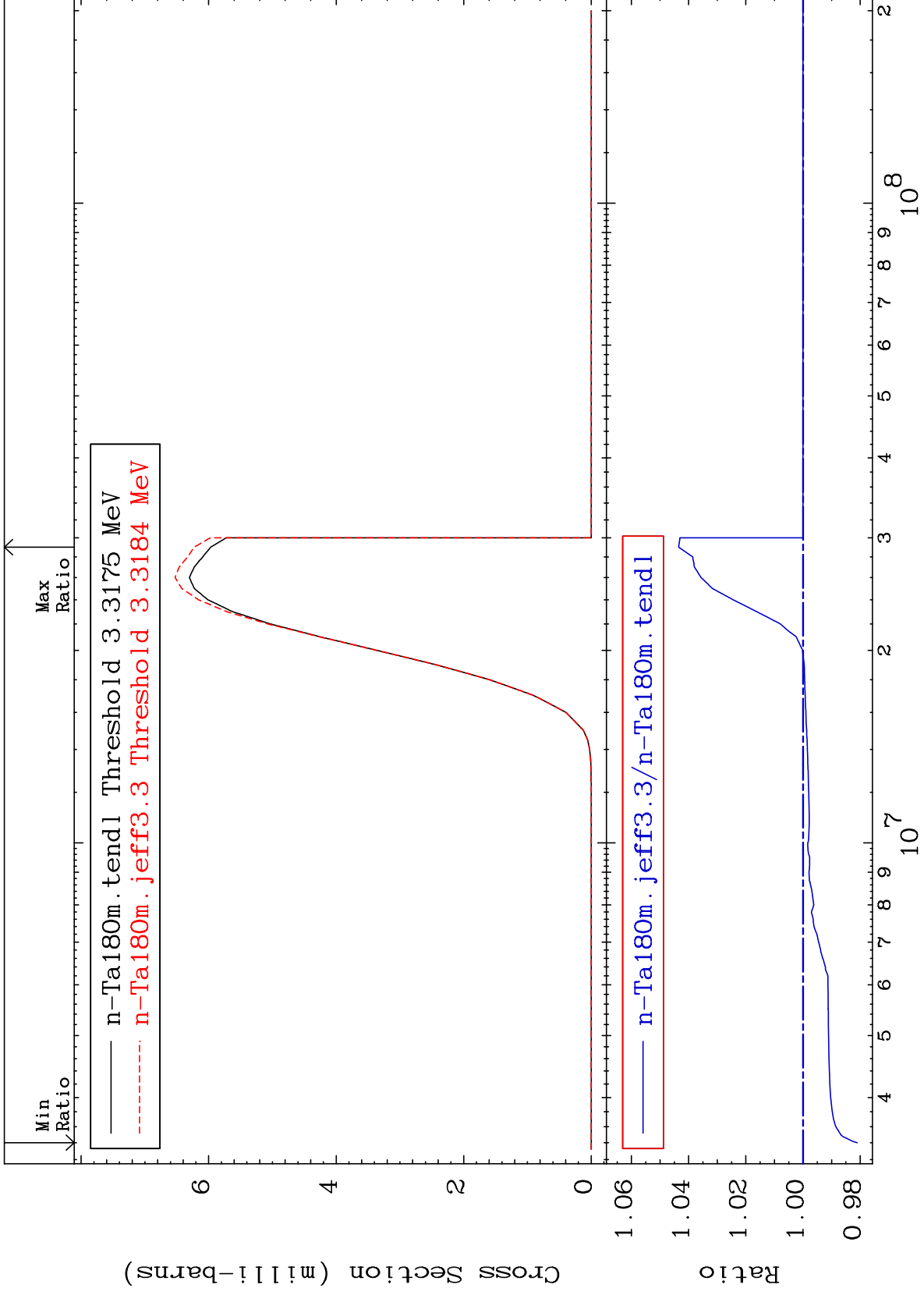
73-Ta-180

MAT 7326

(n, t) : 72-Hf-178g

73-Ta-180

Radionuclide Production Cross Section -1.897 To 4.350 %



102

Incident Energy (eV)

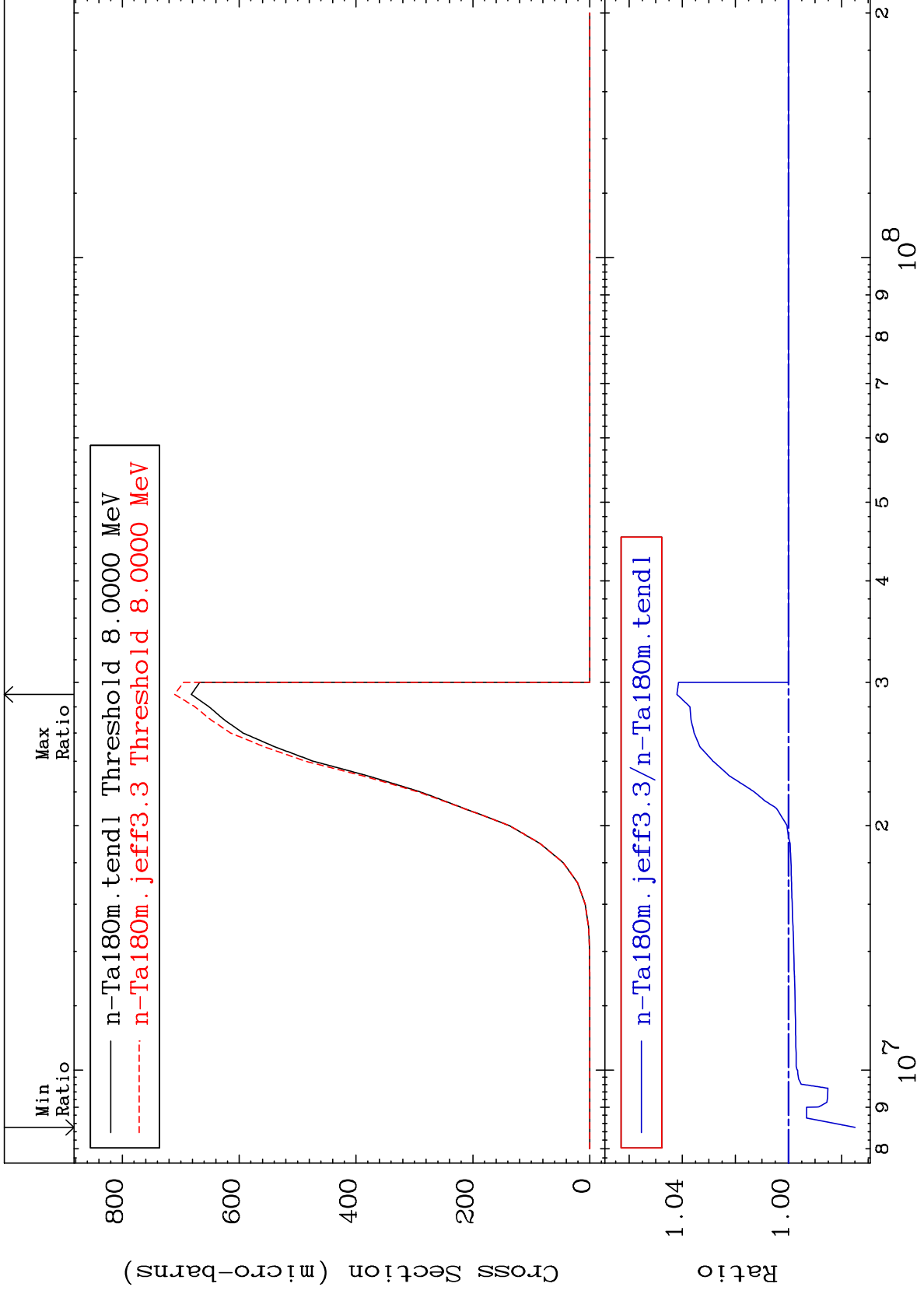
73-Ta-180

MAT 7326

(n, t) : 72-Hf-178m5

73-Ta-180

Radionuclide Production Cross Section -2.509 To 4.198 %

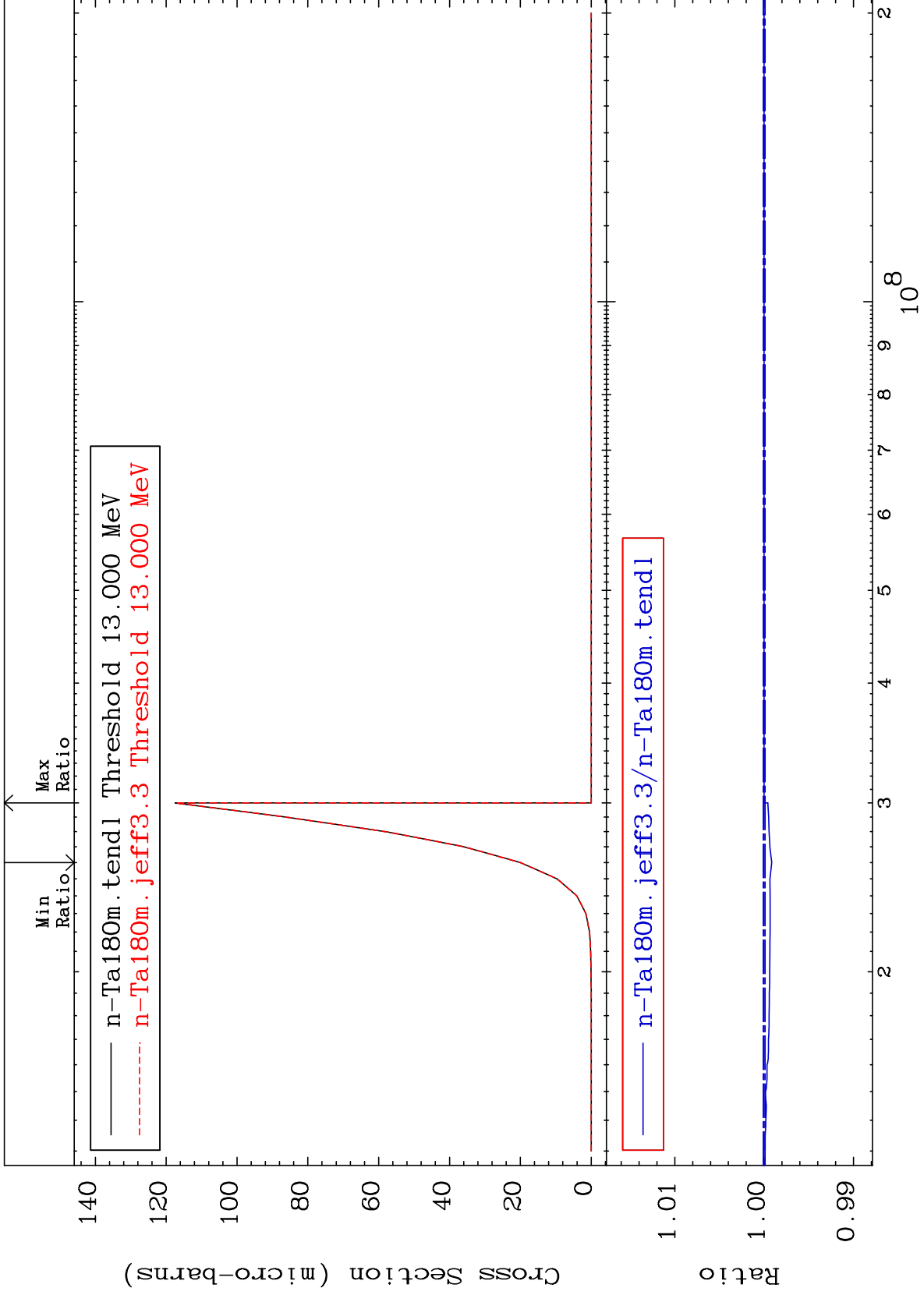


103

Incident Energy (eV)

73-Ta-180

Radionuclide Production Cross Section -0.085 To 0.000 %

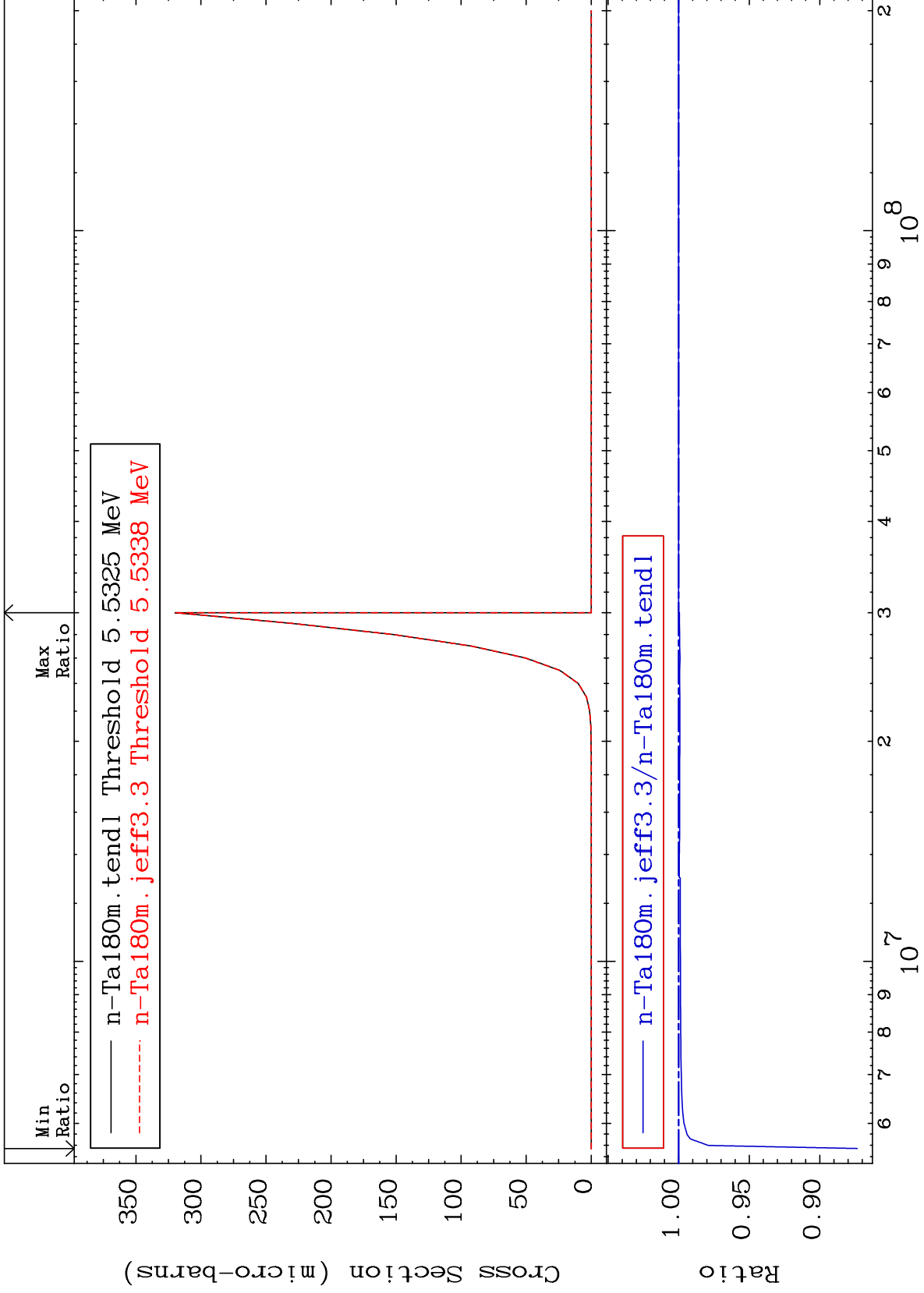


MAT 7326

(n,He-3):71-Lu-178m3

73-Ta-180

Radionuclide Production Cross Section -12.65 To 0.000 %

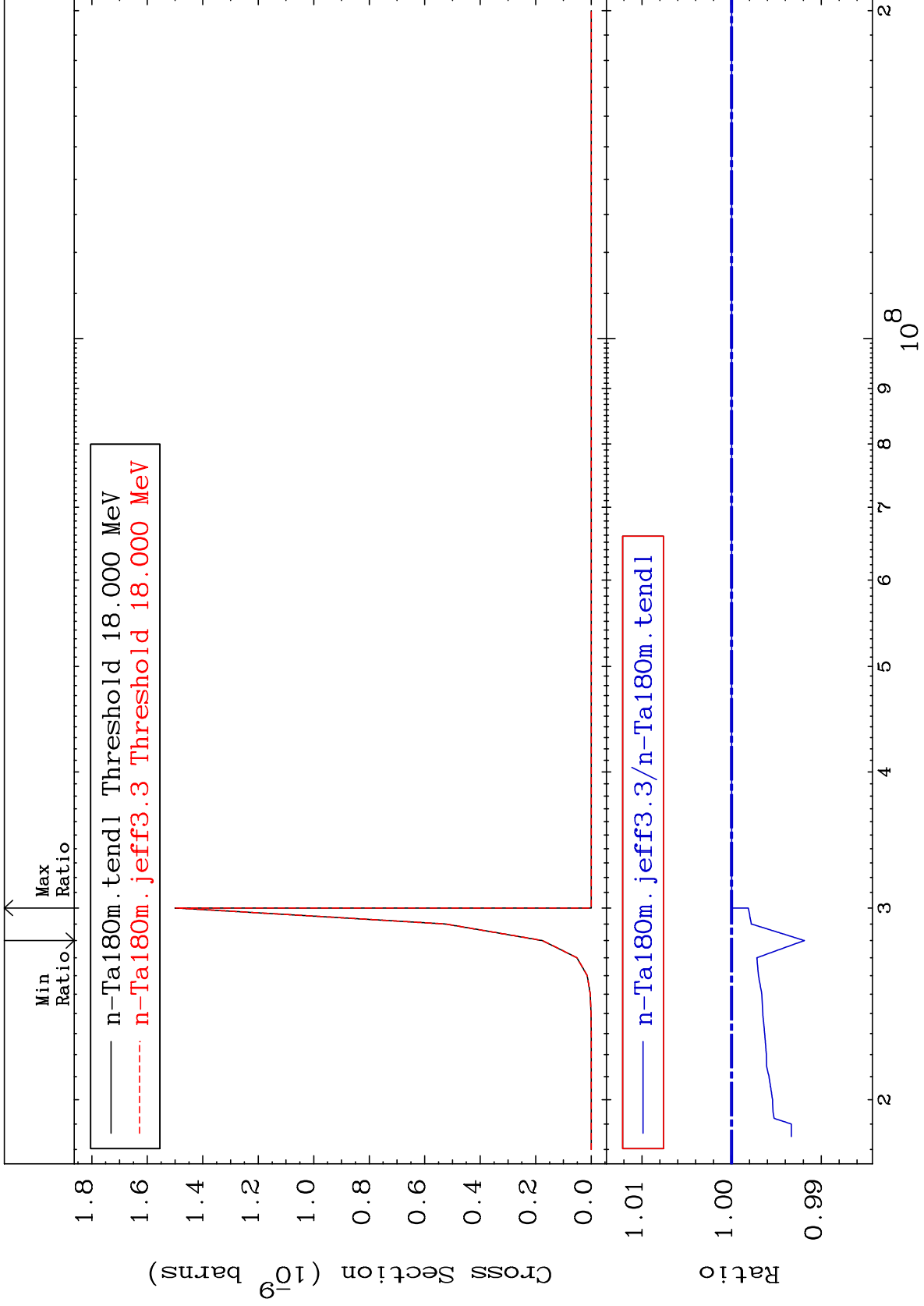


105

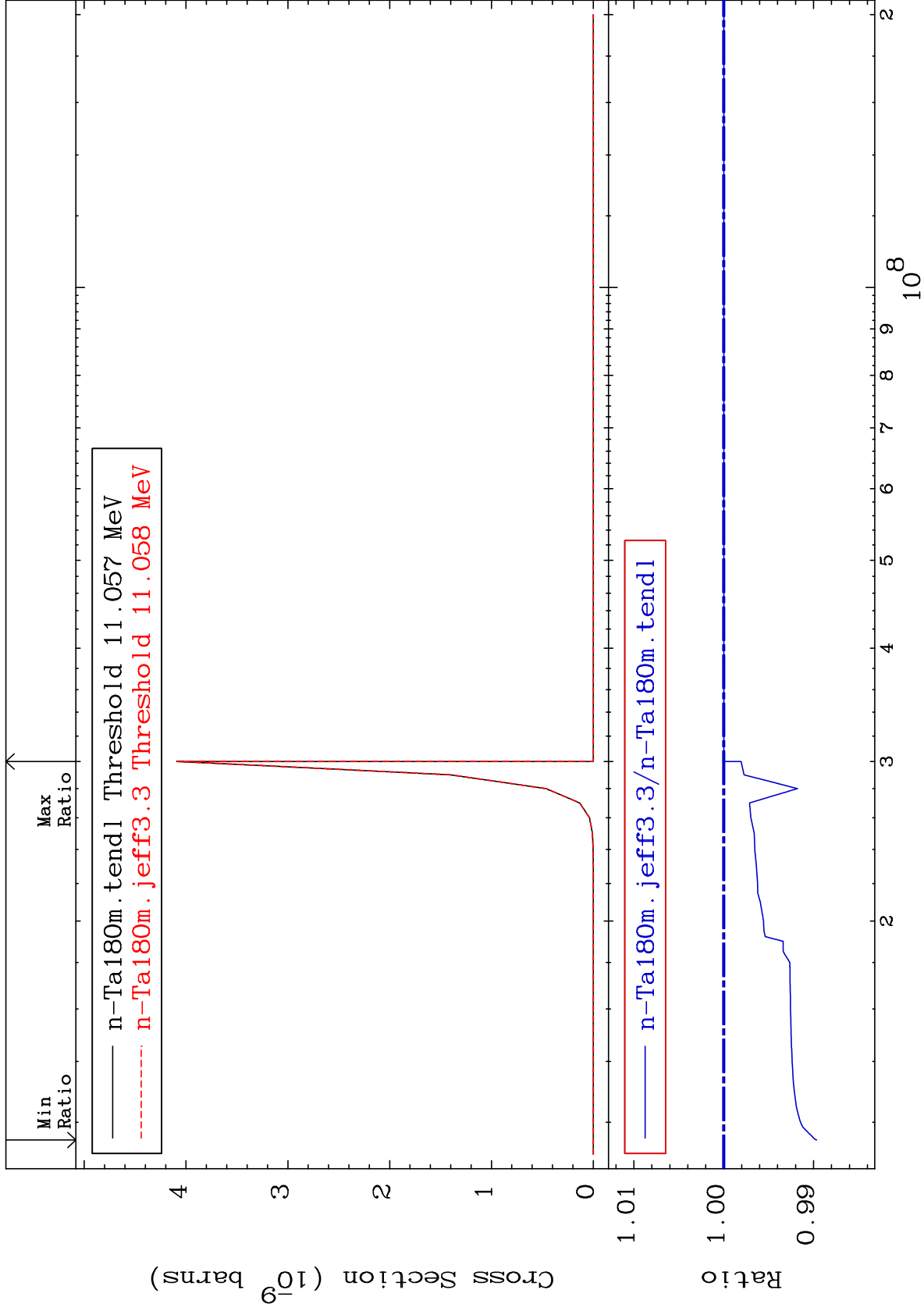
Incident Energy (eV)

73-Ta-180

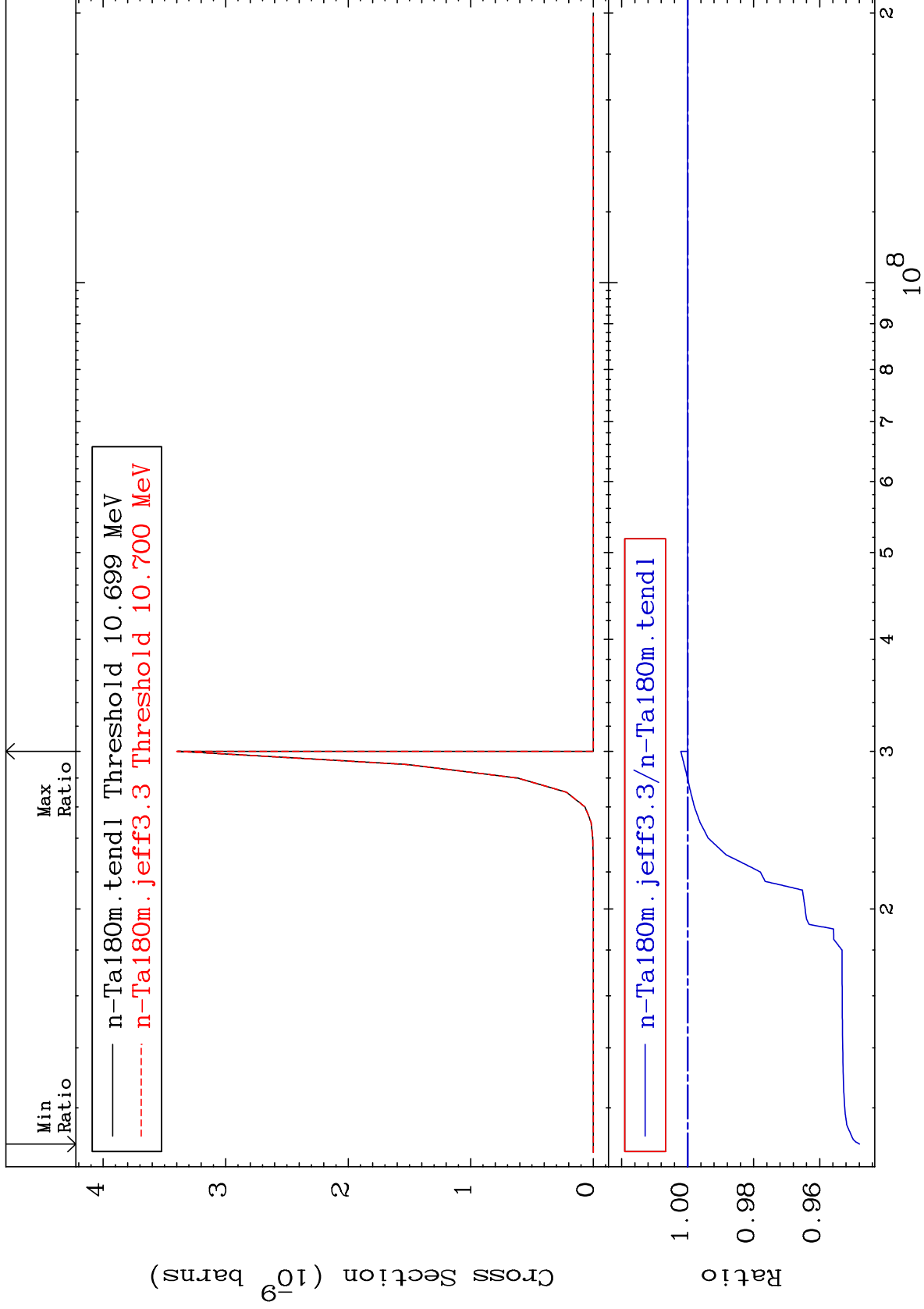
Radionuclide Production Cross Section -0.811 To 0.000 %



Radionuclide Production Cross Section -1.034 To 0.000 %



Radionuclide Production Cross Section -5.207 To 0.208 %



Radionuclide Production Cross Section -1.031 To 18.94 %

