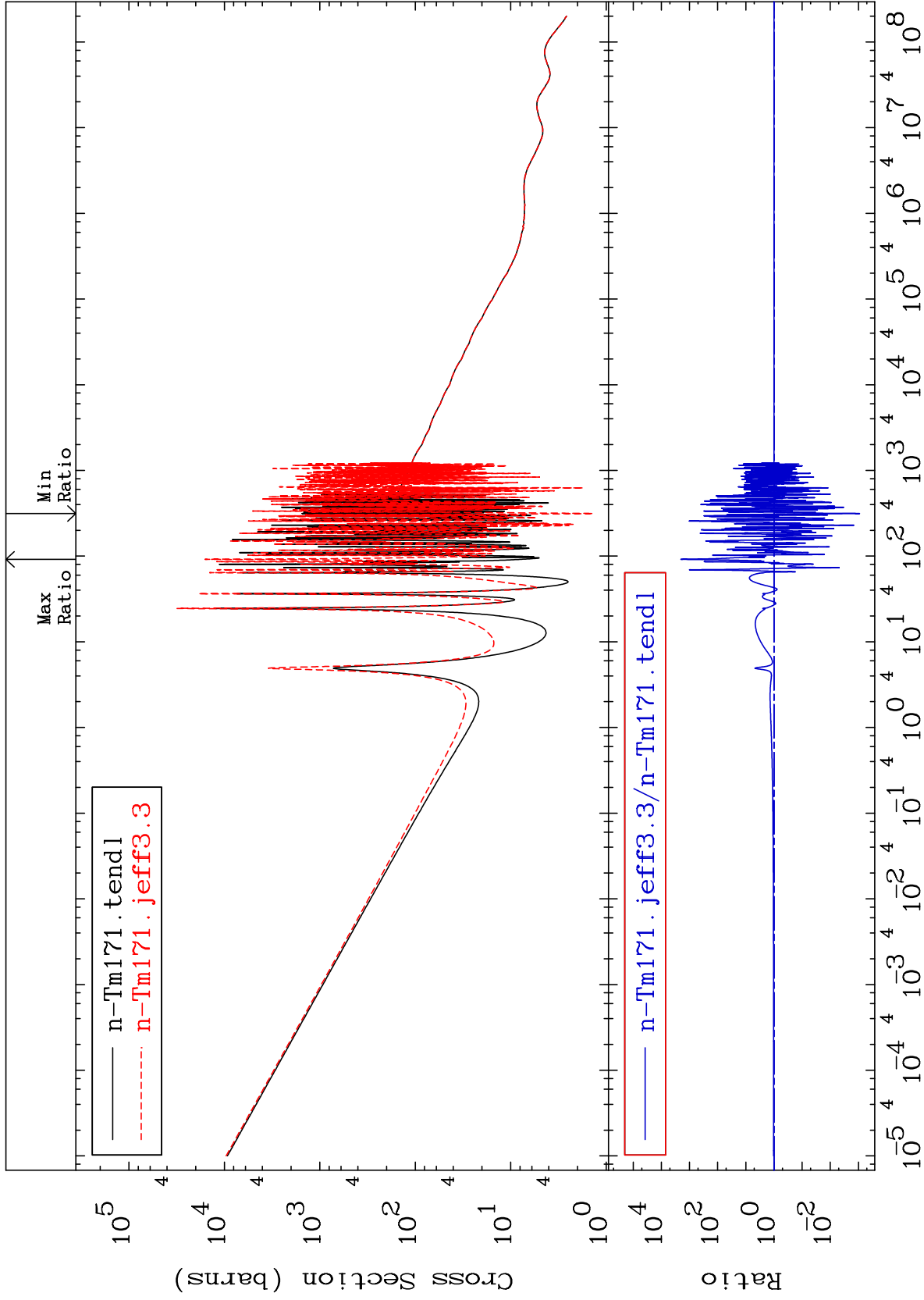


MAT 6931

Total Cross Section
69-Tm-171
-99.91 To 9999. %

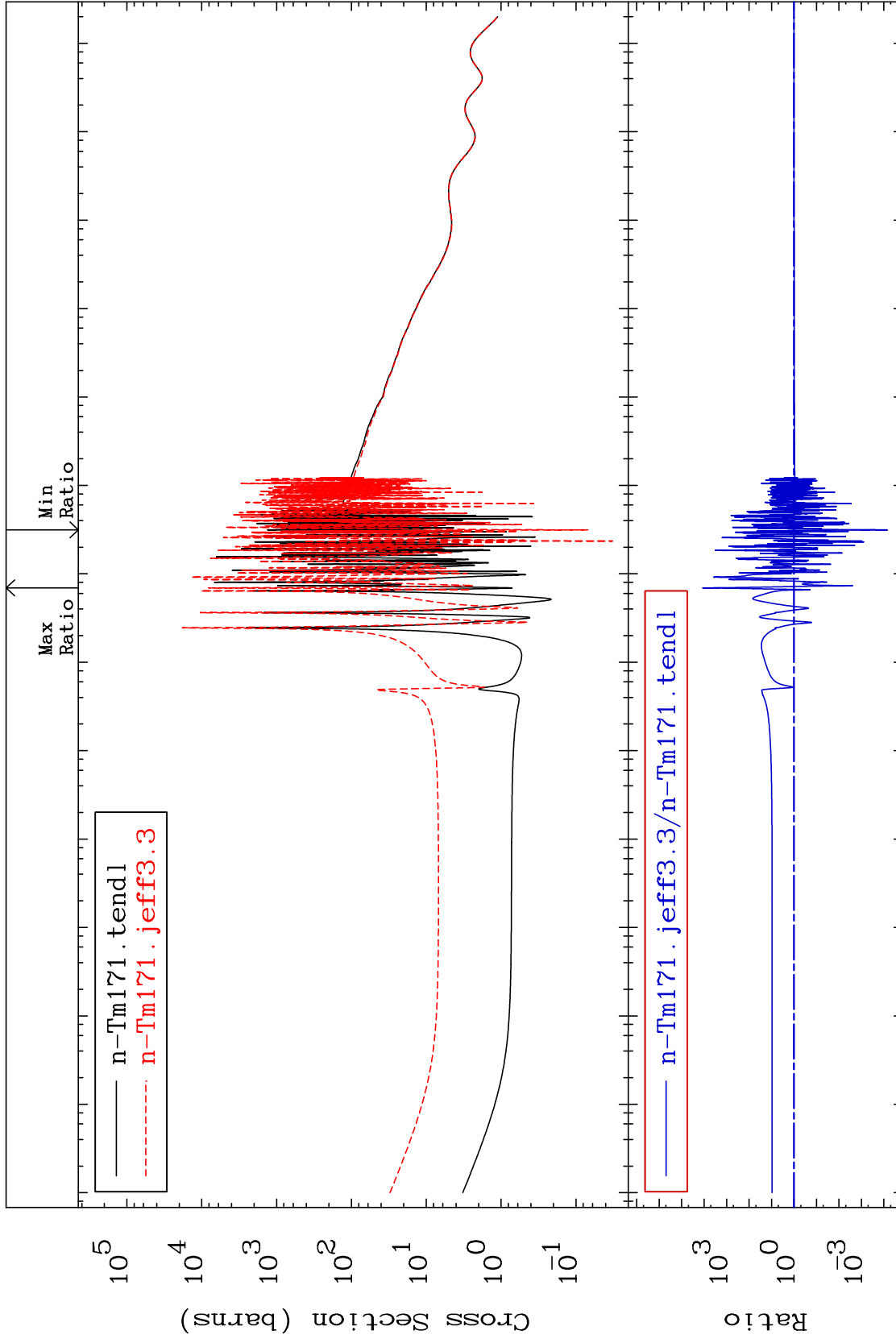


69-Tm-171

Incident Energy (eV)

MAT 6931

Elastic Cross Section
69-Tm-171
-99.99 To 9999. %



2

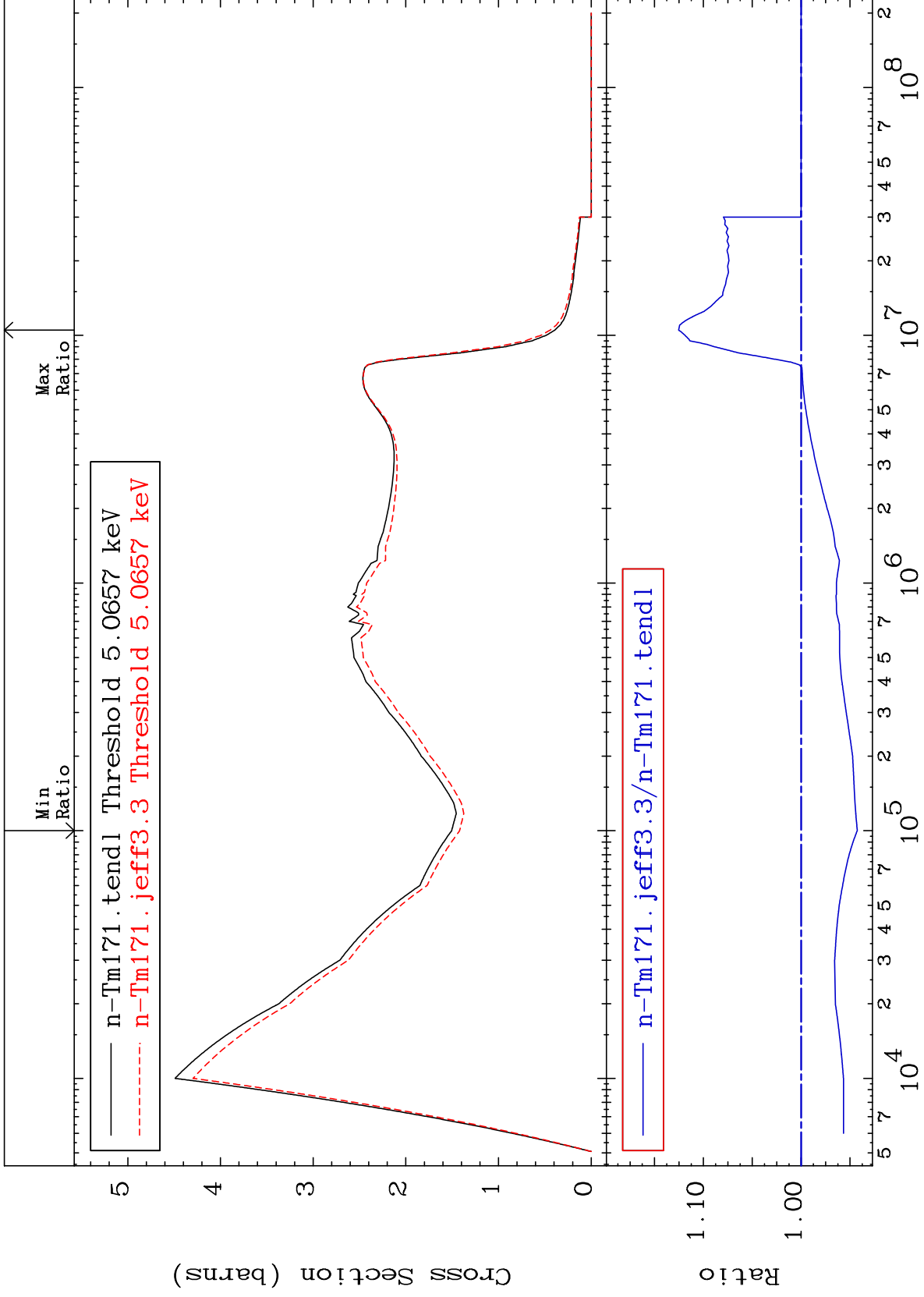
Incident Energy (eV)

69-Tm-171

MAT 6931

Inelastic
Cross Section

69-Tm-171
-5.736 To 12.53 %



3

Incident Energy (eV)

69-Tm-171

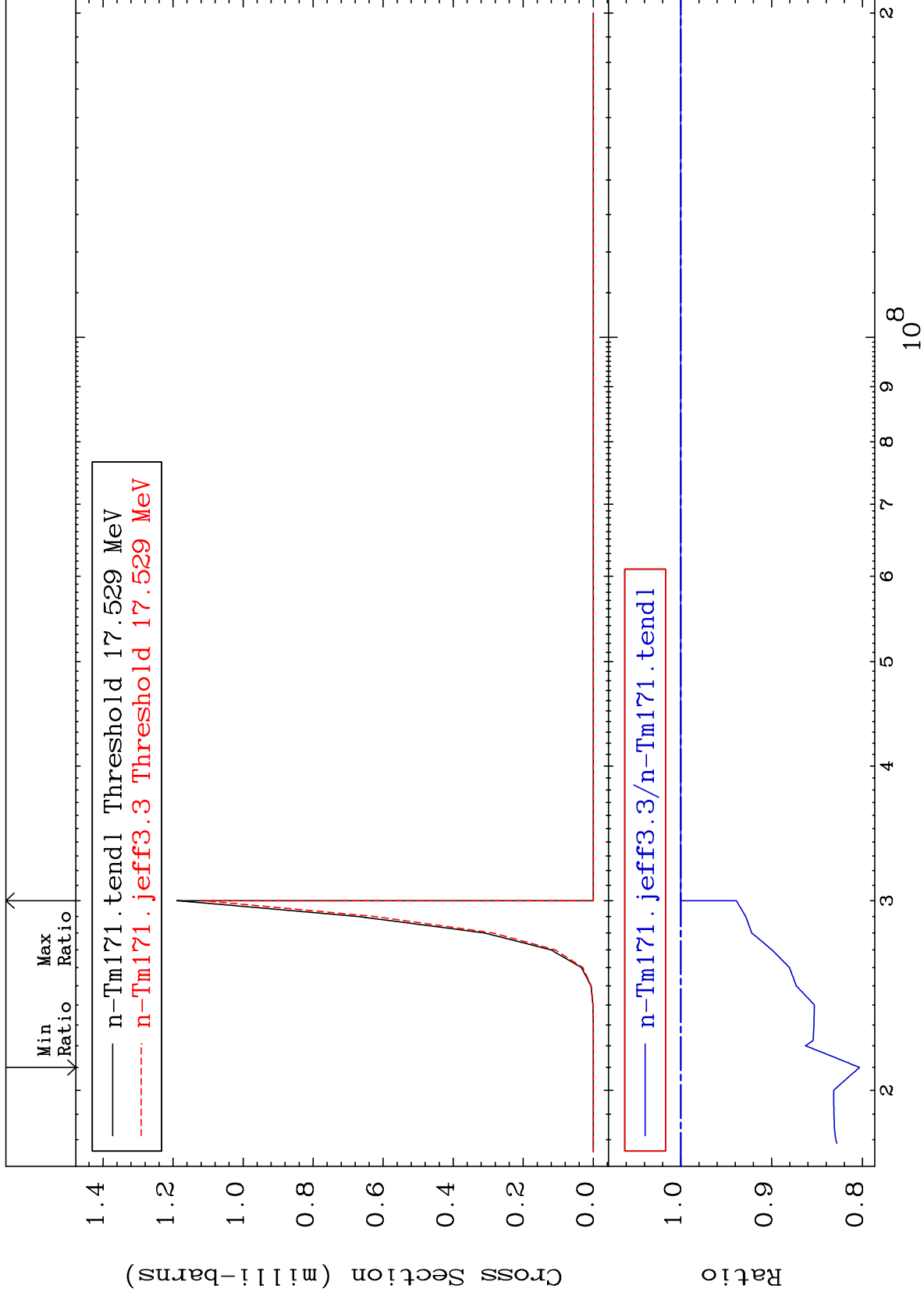
MAT 6931

(n,2n) d

69-Tm-171

Cross Section

-19.67 To 0.000 %



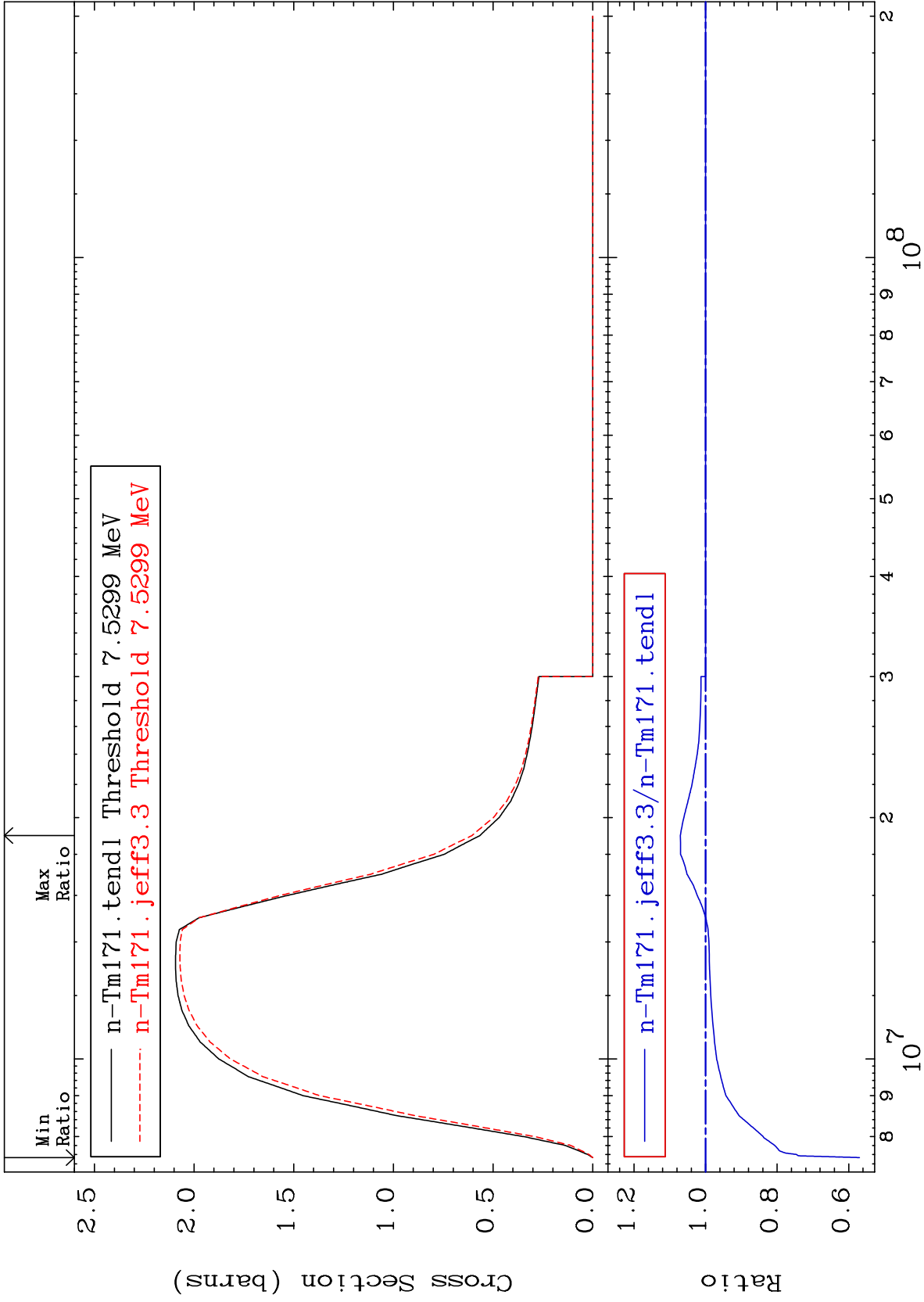
MAT 6931

(n,2n)

69-Tm-171

Cross Section

-42.99 To 7.047 %



5

Incident Energy (eV)

69-Tm-171

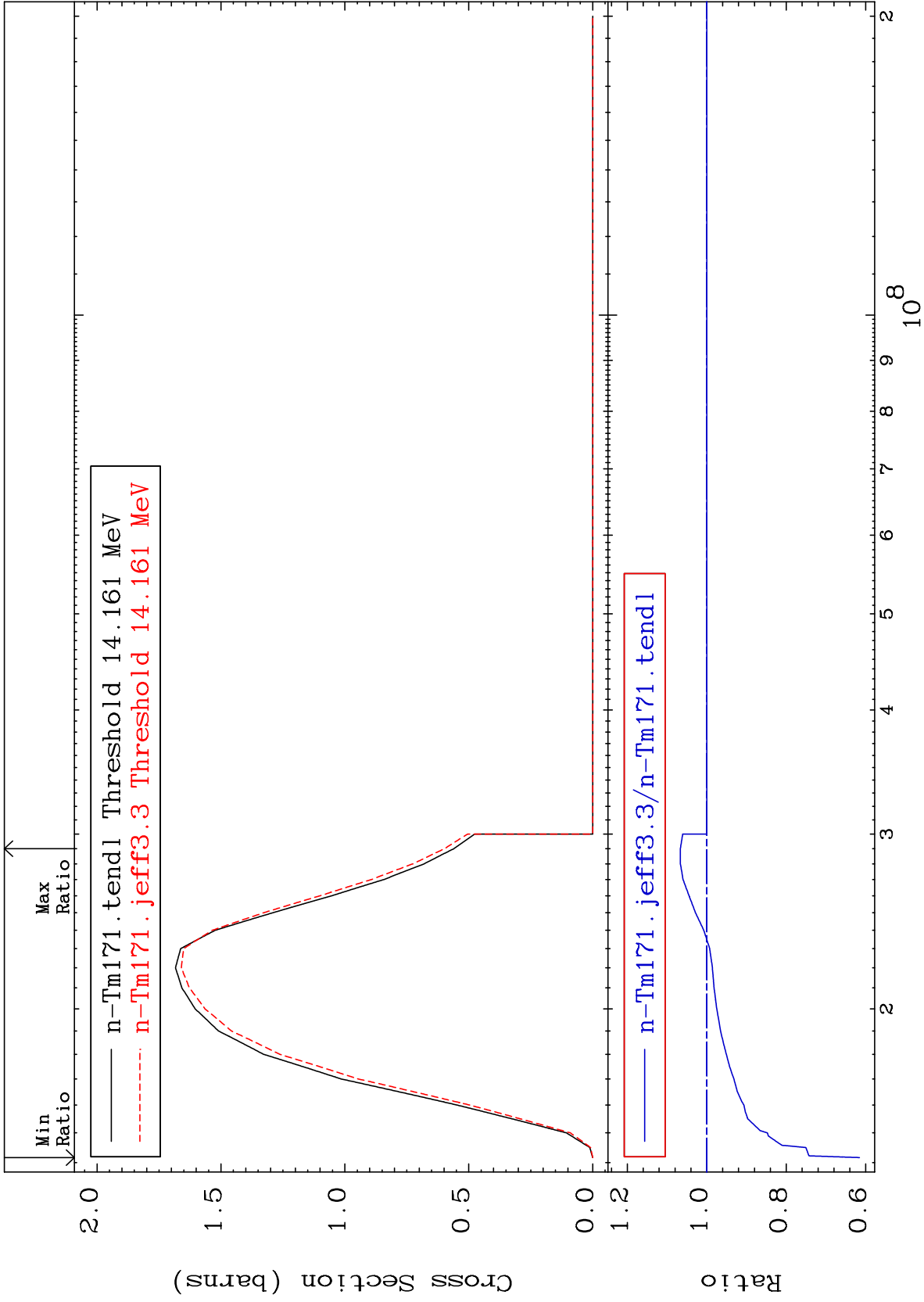
MAT 6931

(n,3n)

69-Tm-171

Cross Section

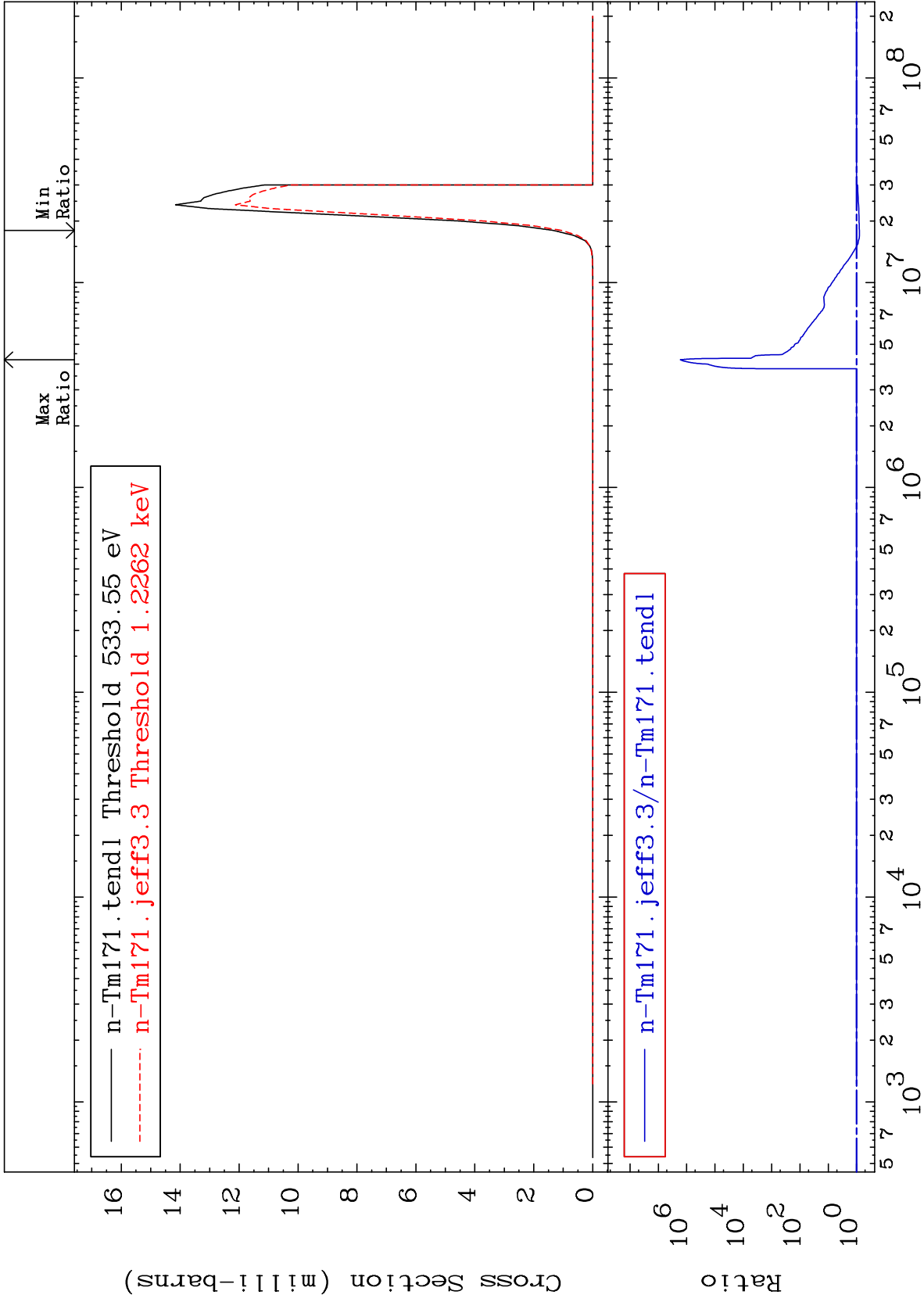
-38.41 To 6.653 %



MAT 6931

(n, n') α
Cross Section

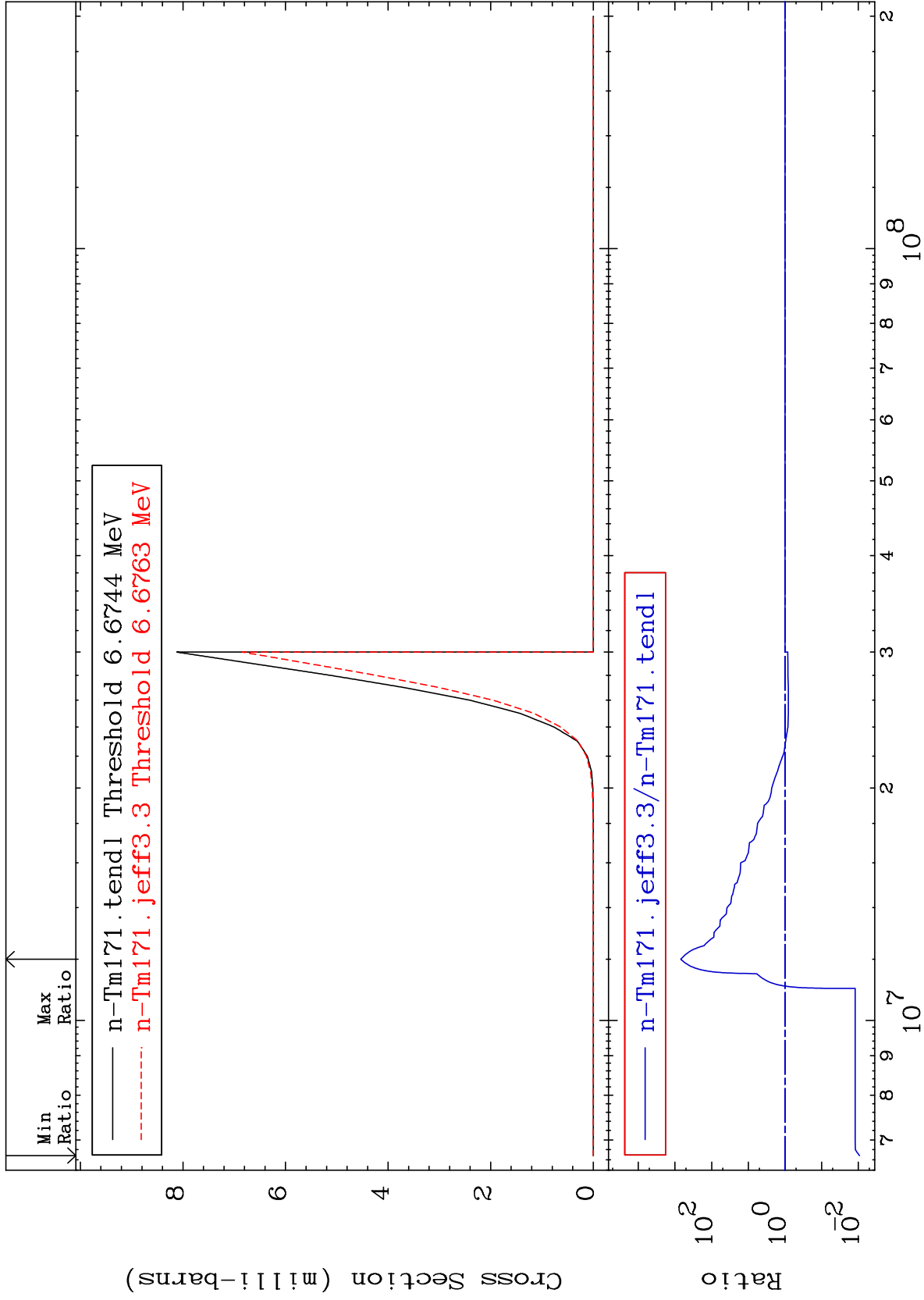
69-Tm-171
-20.52 To 9999. %



MAT 6931

(n,2n) α
Cross Section

69-Tm-171
-99.07 To 9999. %



8

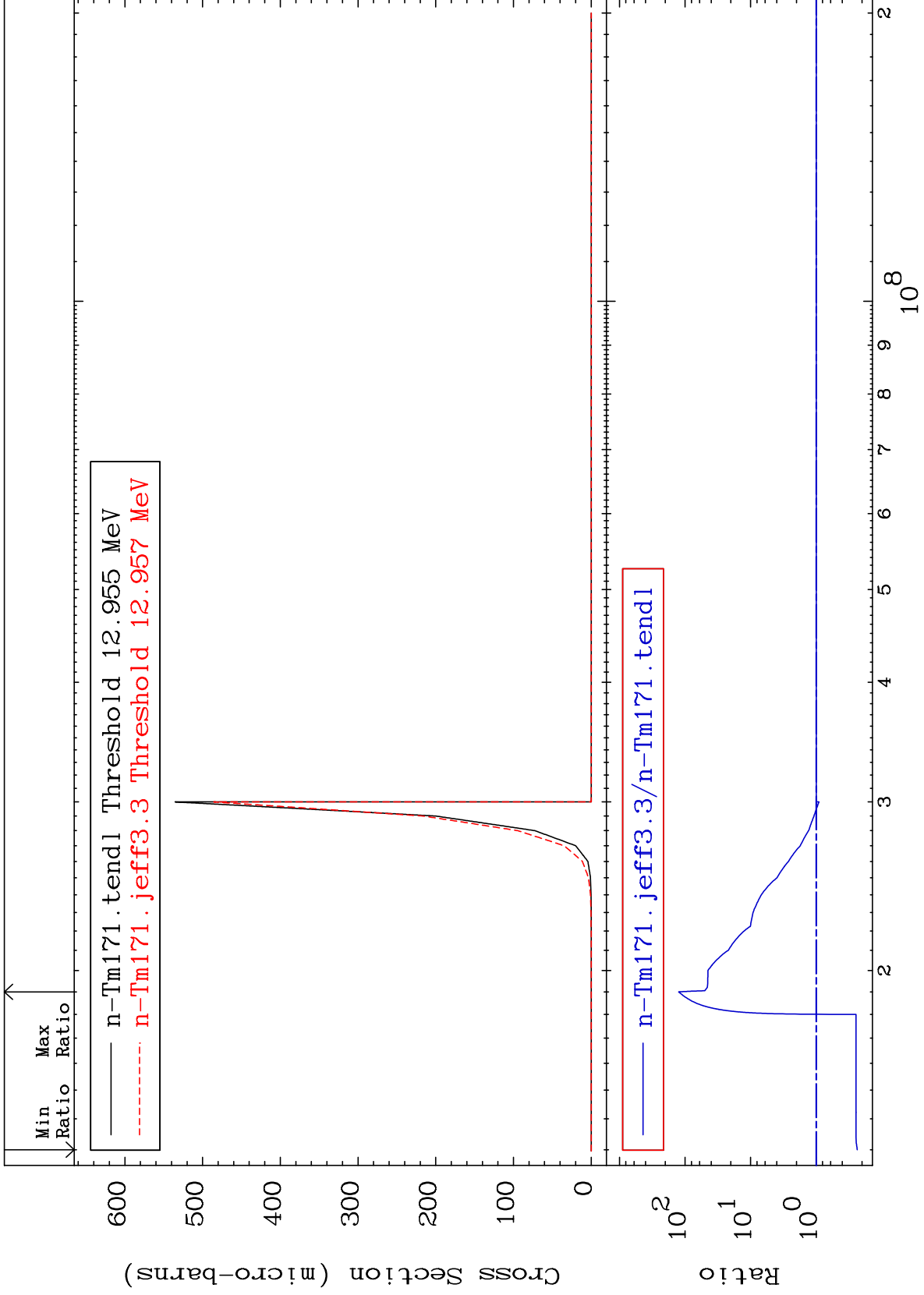
Incident Energy (eV)

69-Tm-171

MAT 6931

(n,3n) α
Cross Section

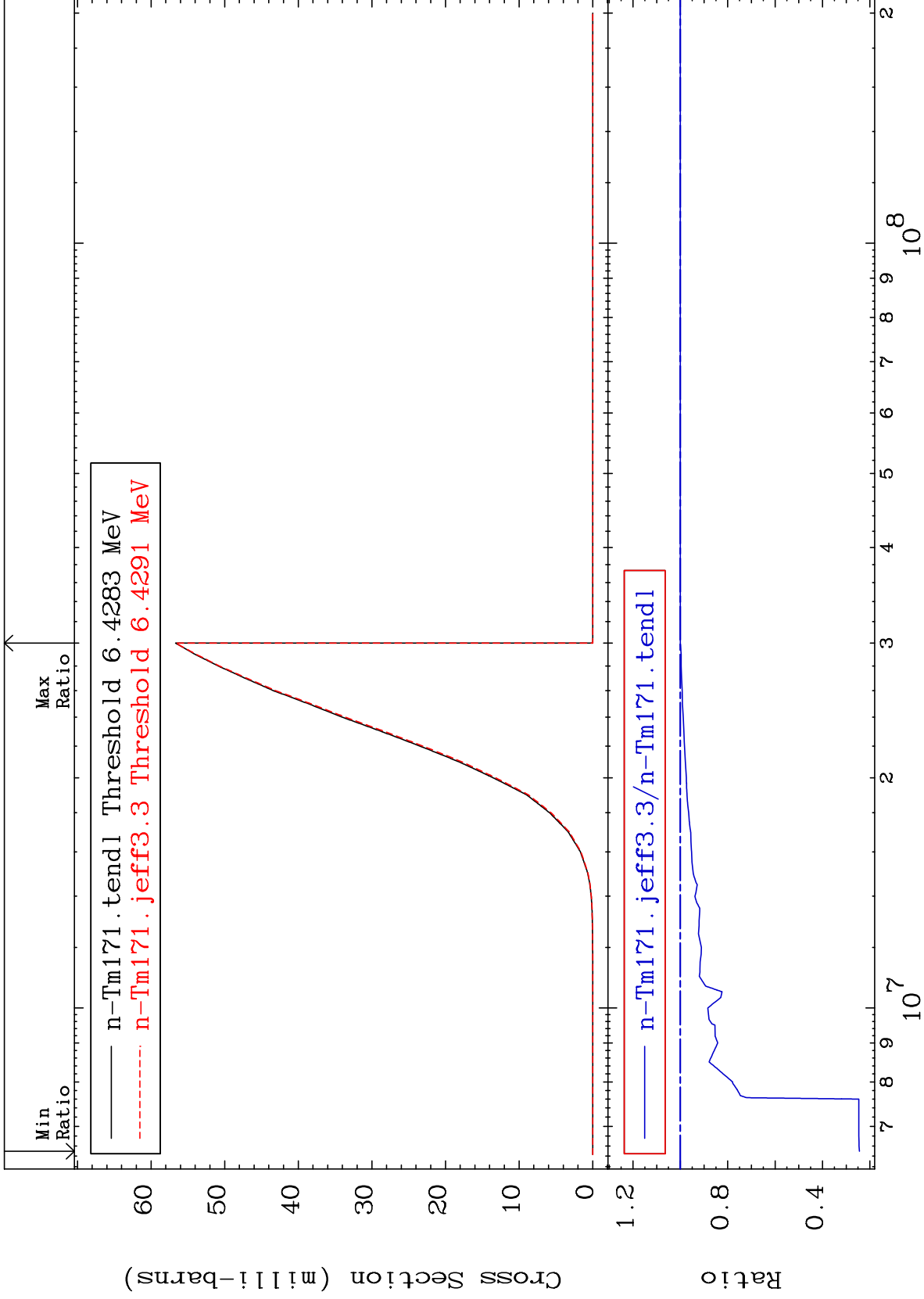
69-Tm-171
-76.37 To 9999. %



MAT 6931

(n,n') p
Cross Section

69-Tm-171
-75.59 To 0.000 %



10

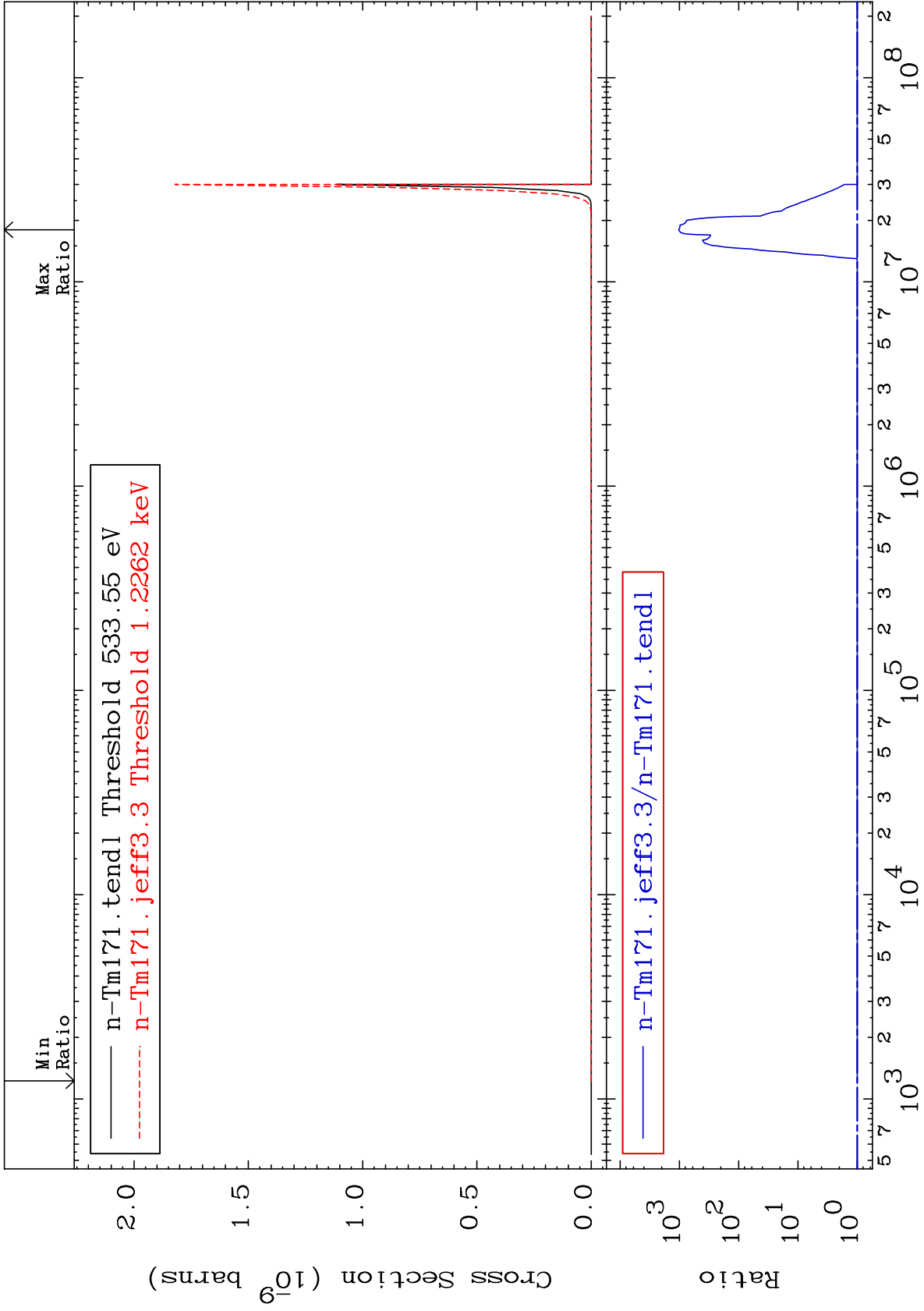
Incident Energy (eV)

69-Tm-171

MAT 6931

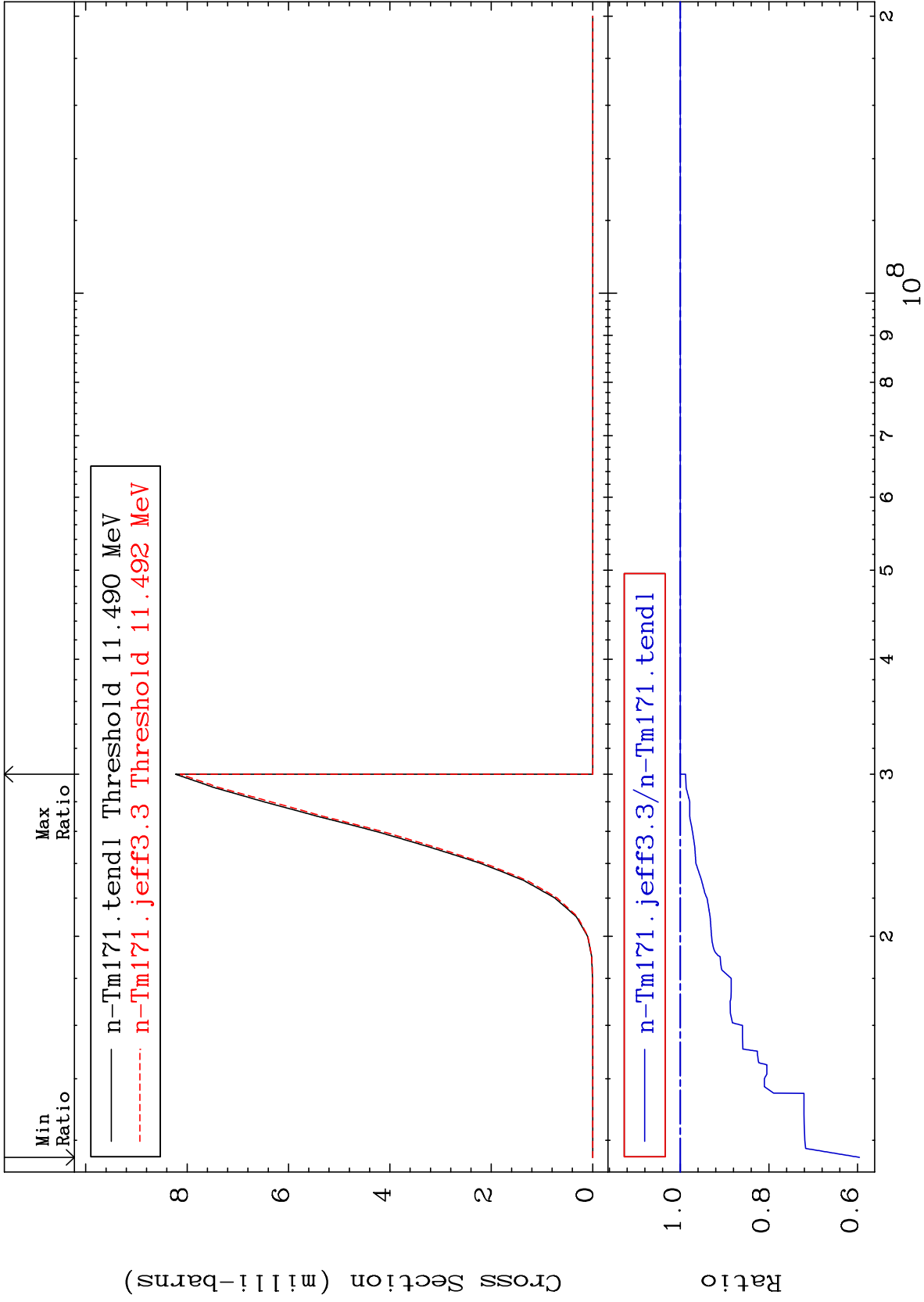
(n, n') 2α
Cross Section

69-Tm-171
To 9999. %



Cross Section

-40.41 To 0.000 %



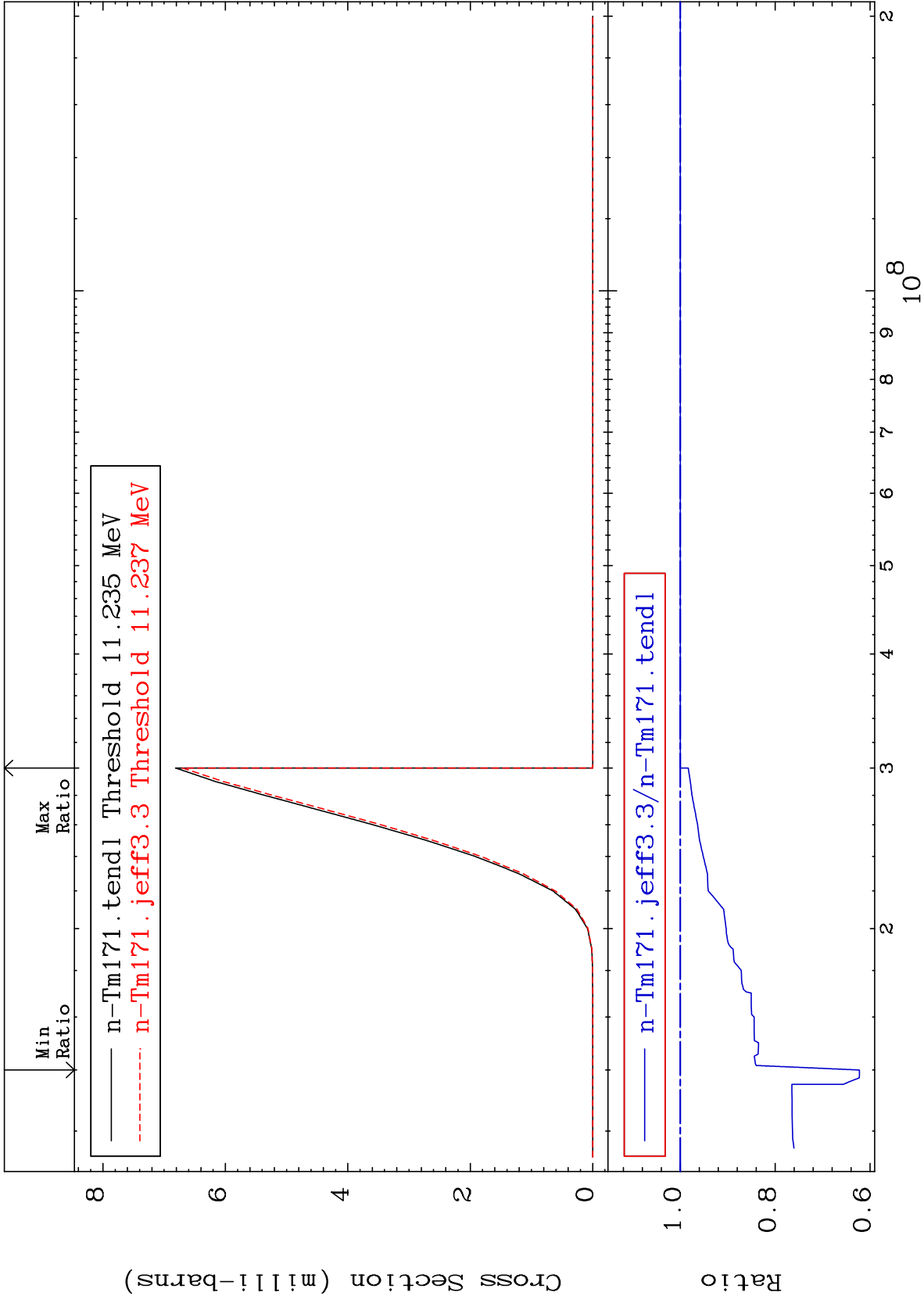
MAT 6931

(n, n') t

69-Tm-171

Cross Section

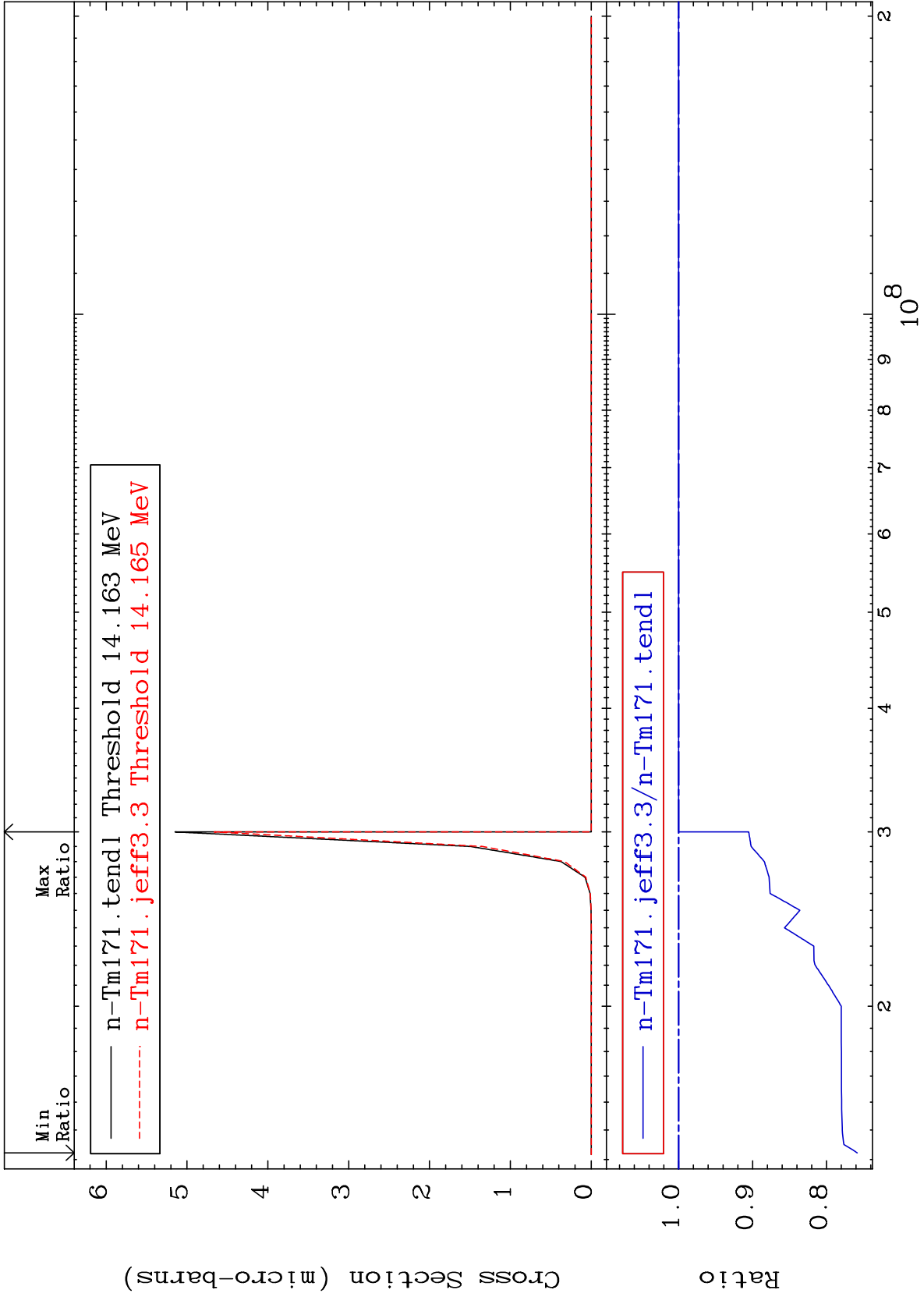
-37.78 To 0.000 %



MAT 6931

(n, n') He-3
Cross Section

69-Tm-171
-24.16 To 0.000 %



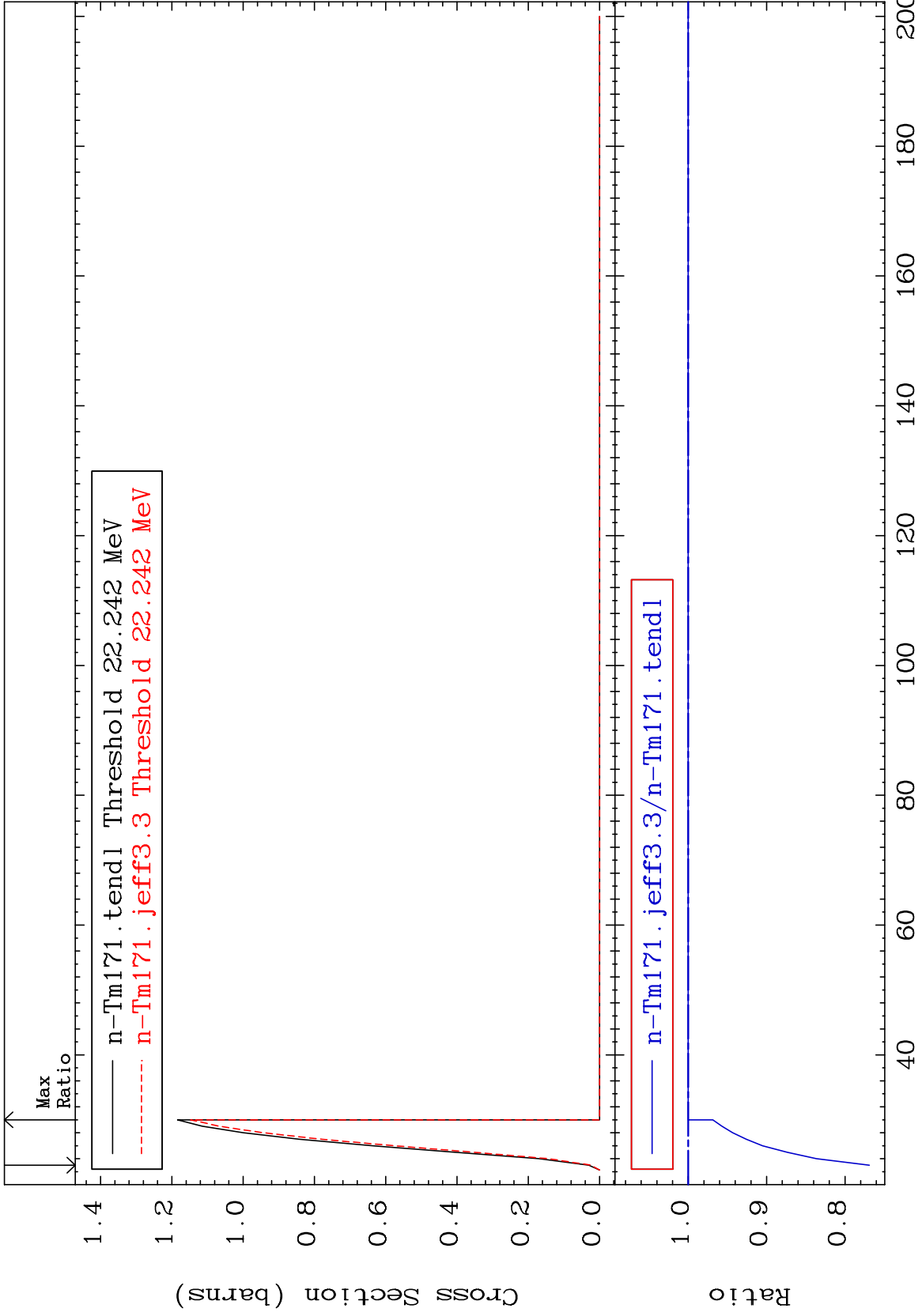
MAT 6931

(n,4n)

69-Tm-171

Cross Section

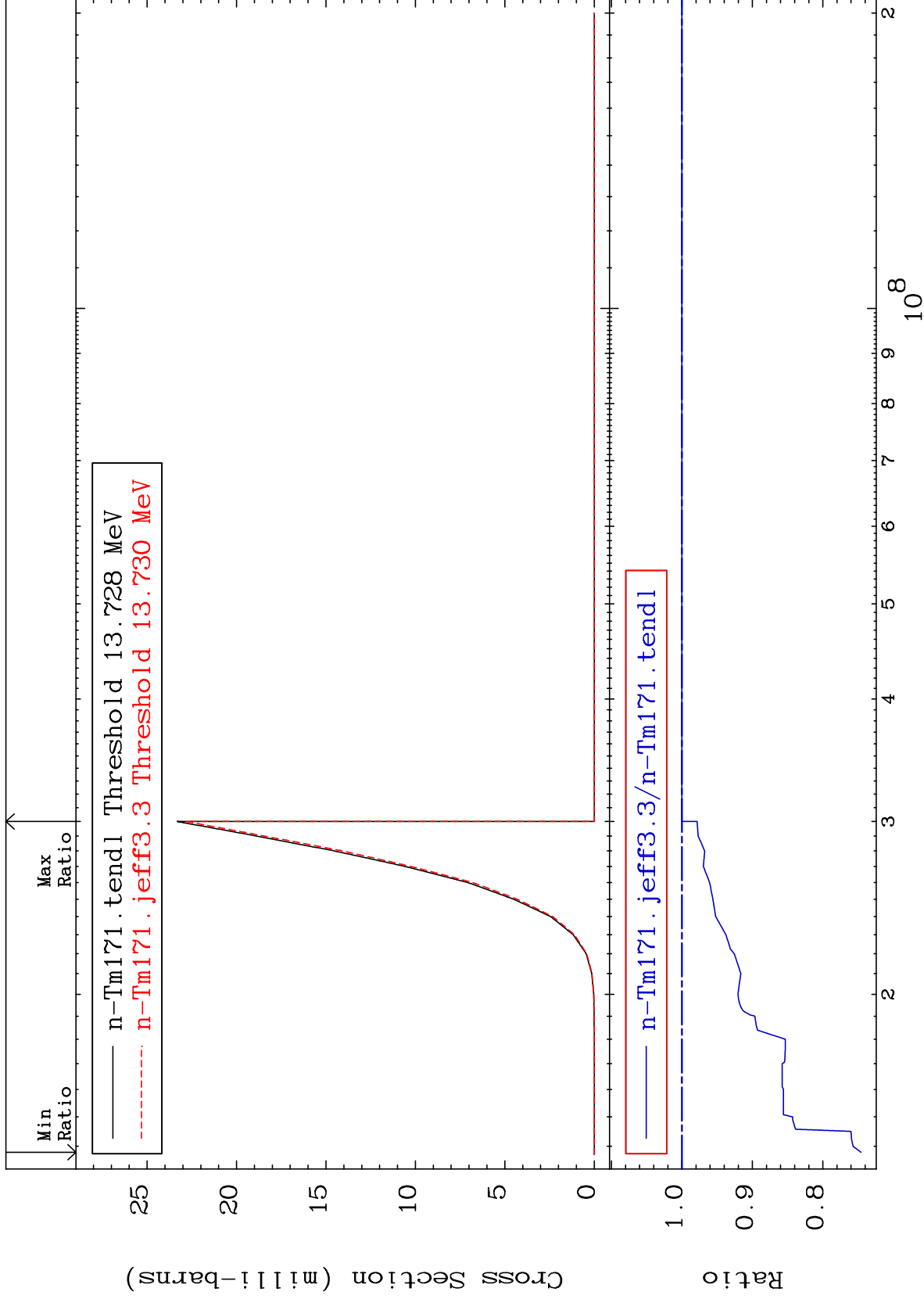
-23.11 To 0.000 %



MAT 6931

(n,2n) p
Cross Section

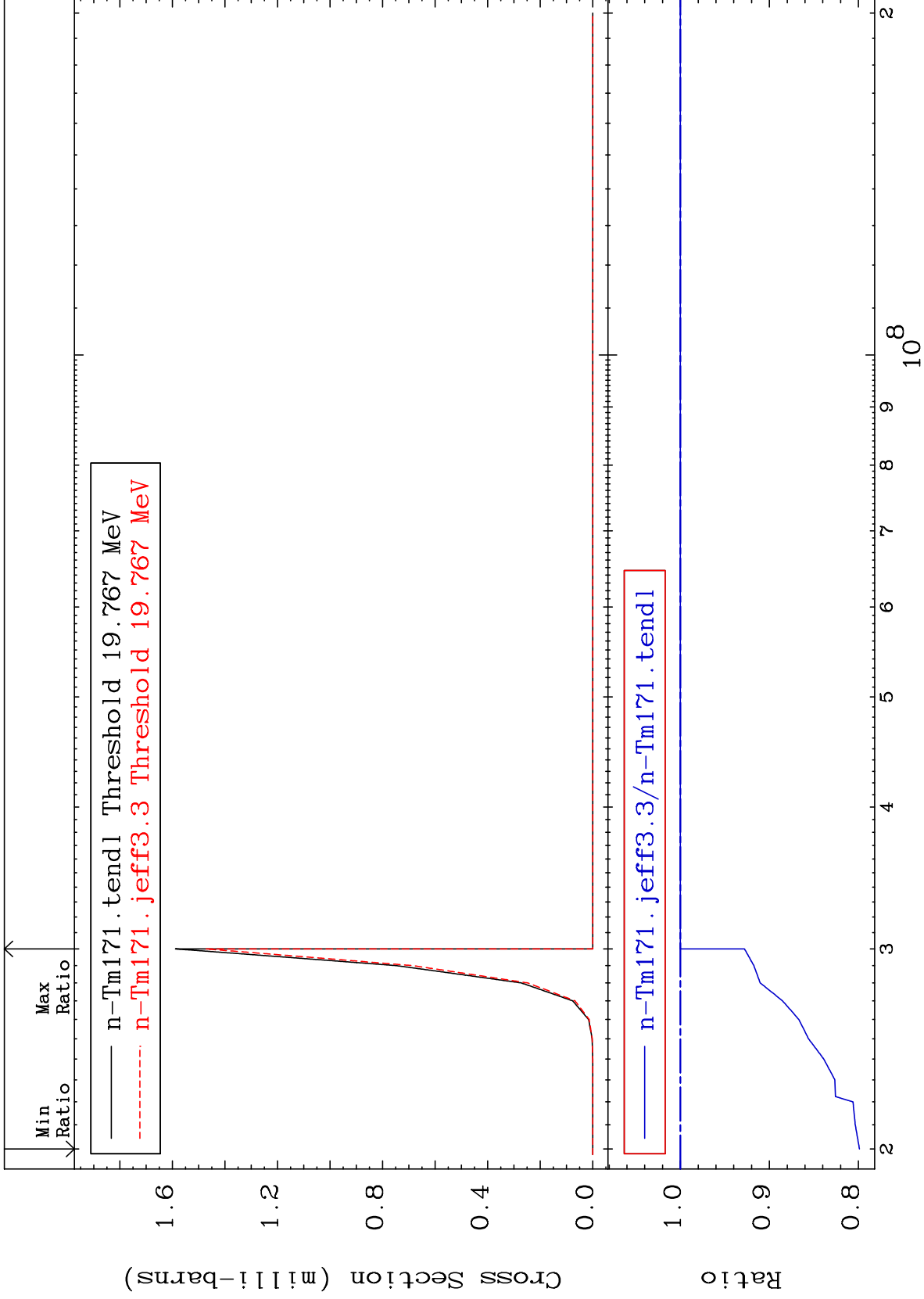
69-Tm-171
-25.41 To 0.000 %



MAT 6931

(n,3n) p
Cross Section

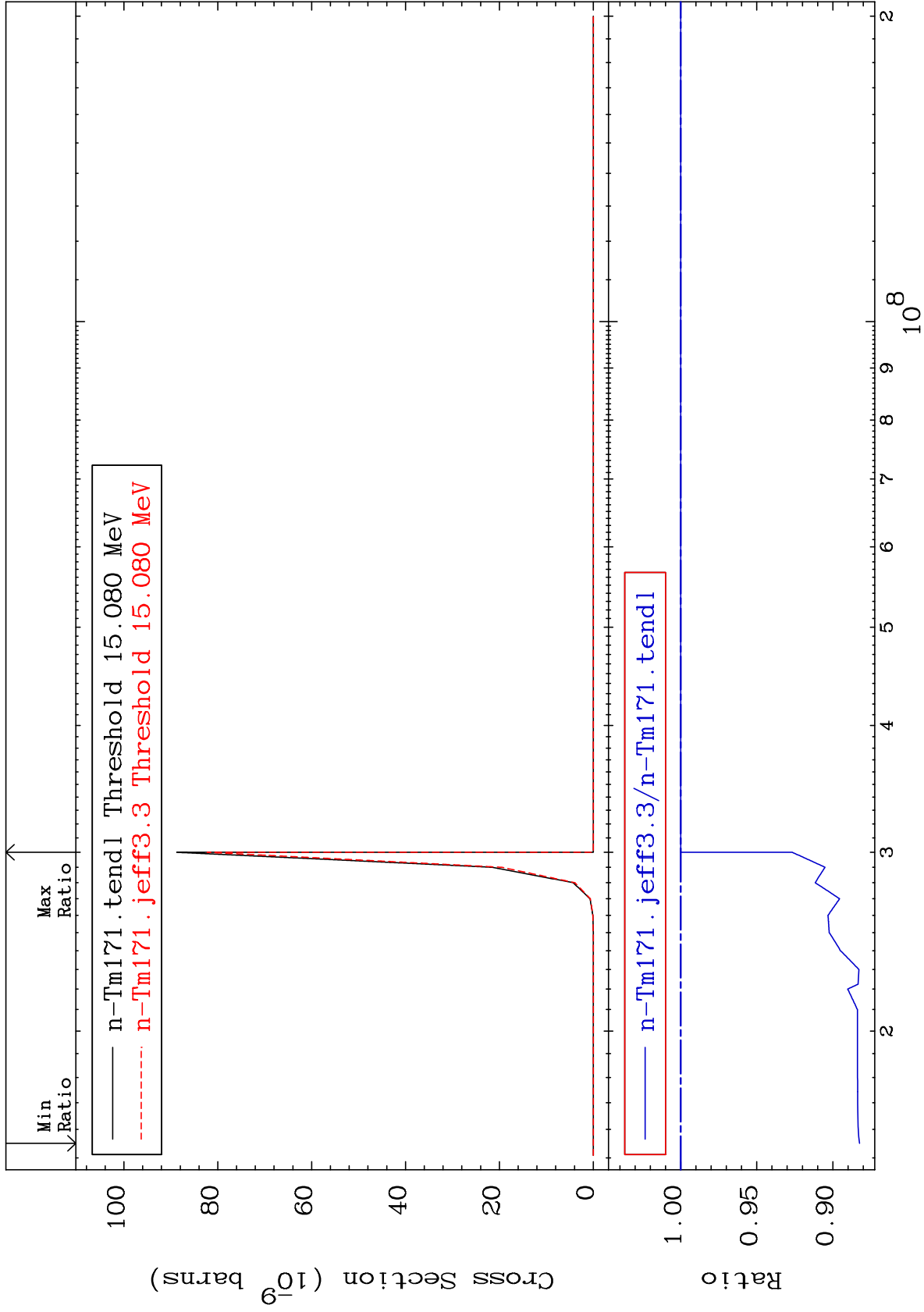
69-Tm-171
-20.11 To 0.000 %



MAT 6931

(n,2n) p
Cross Section

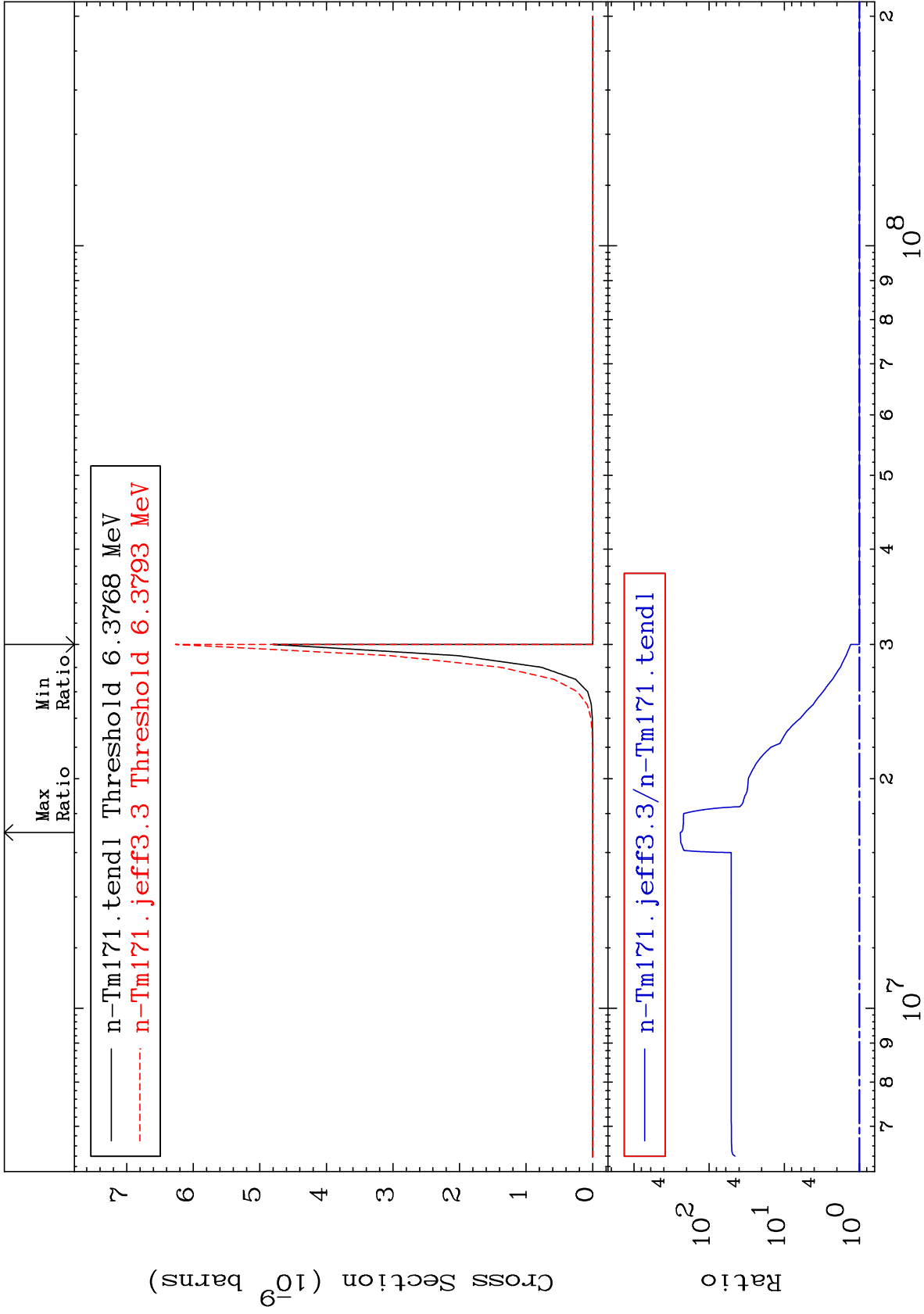
69-Tm-171
-11.76 To 0.000 %



MAT 6931

(n,n') p α
Cross Section

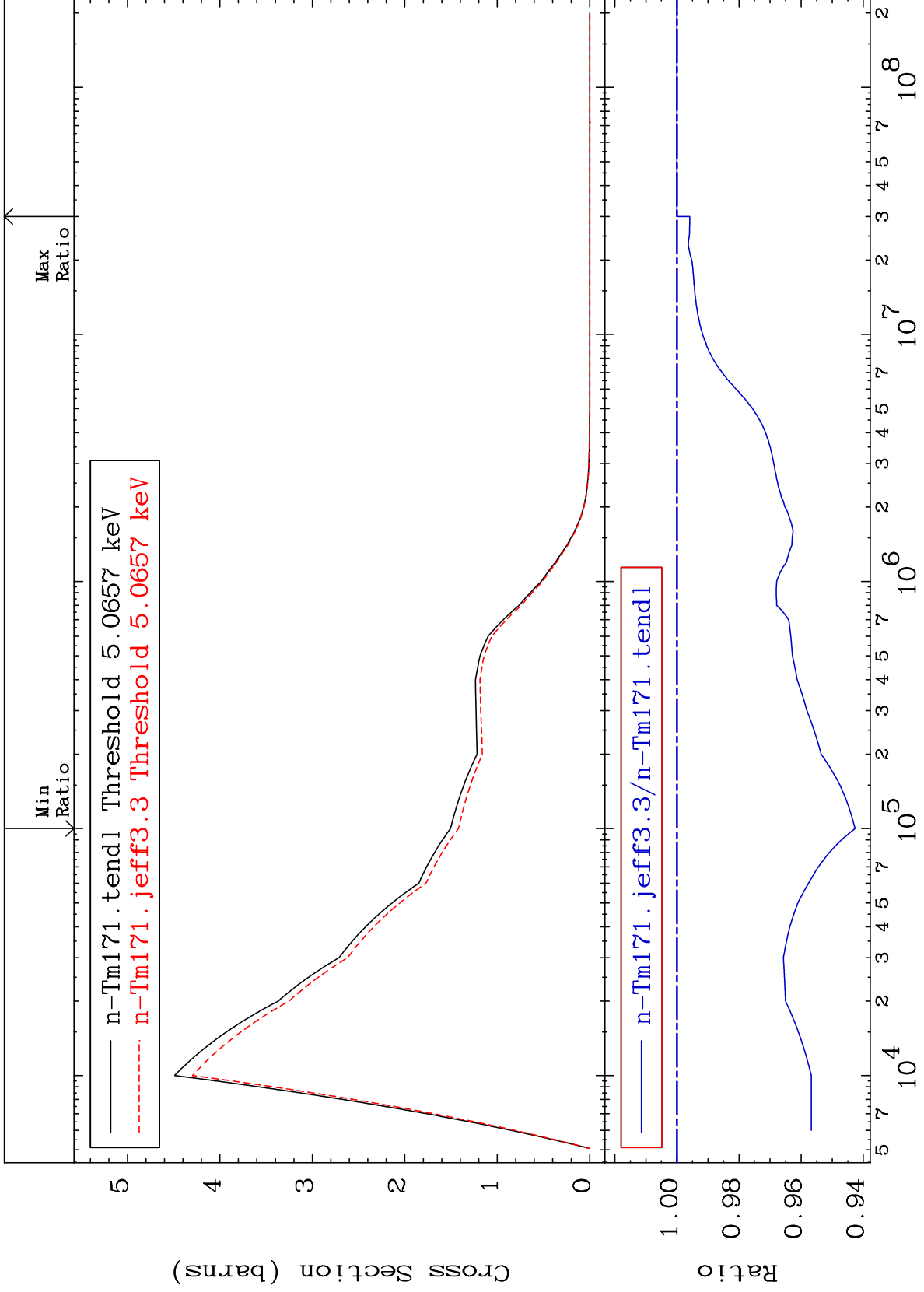
69-Tm-171
To 9999. %
0.000



MAT 6931

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

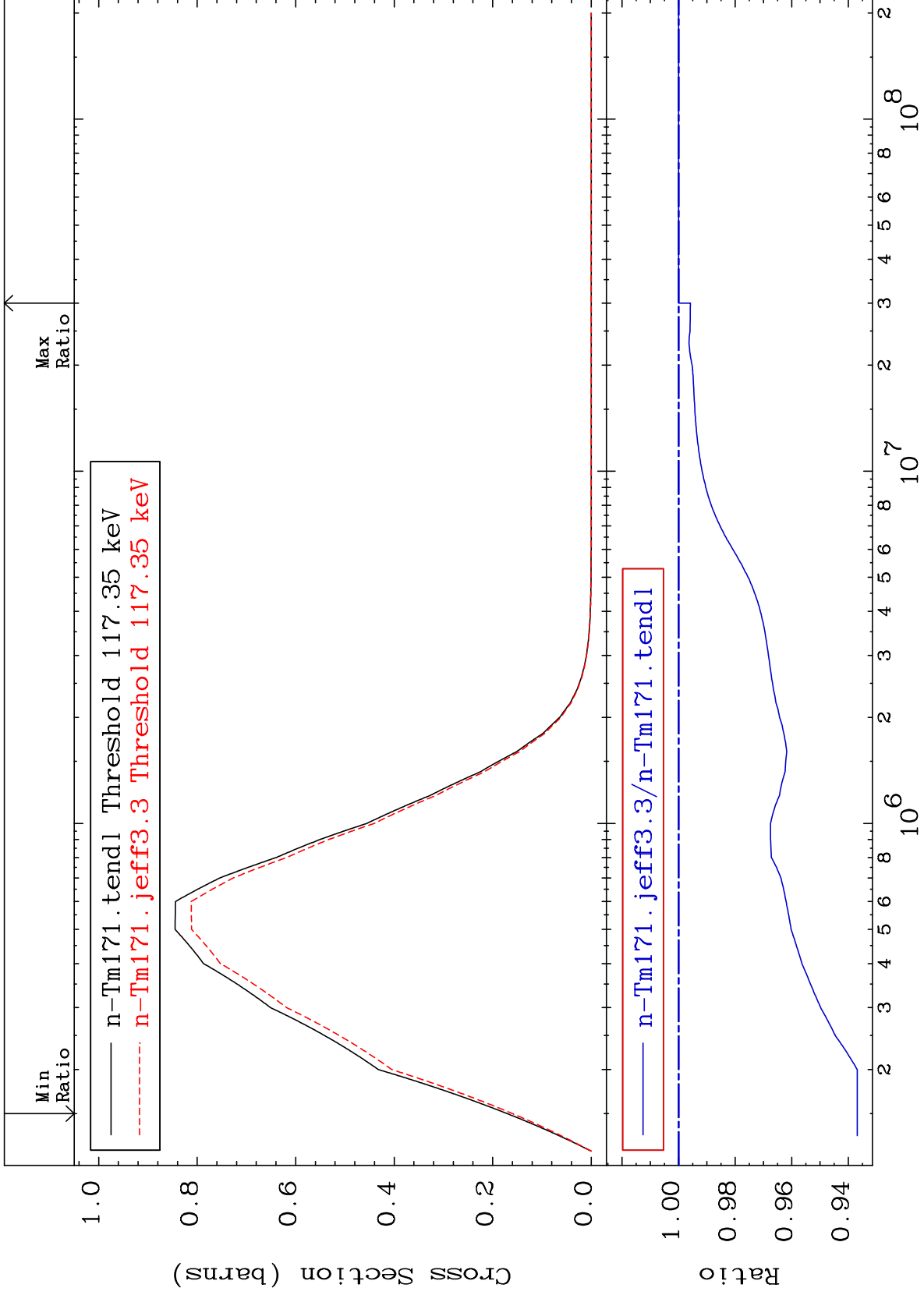
69-Tm-171
-5.736 To 0.000 %



MAT 6931

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

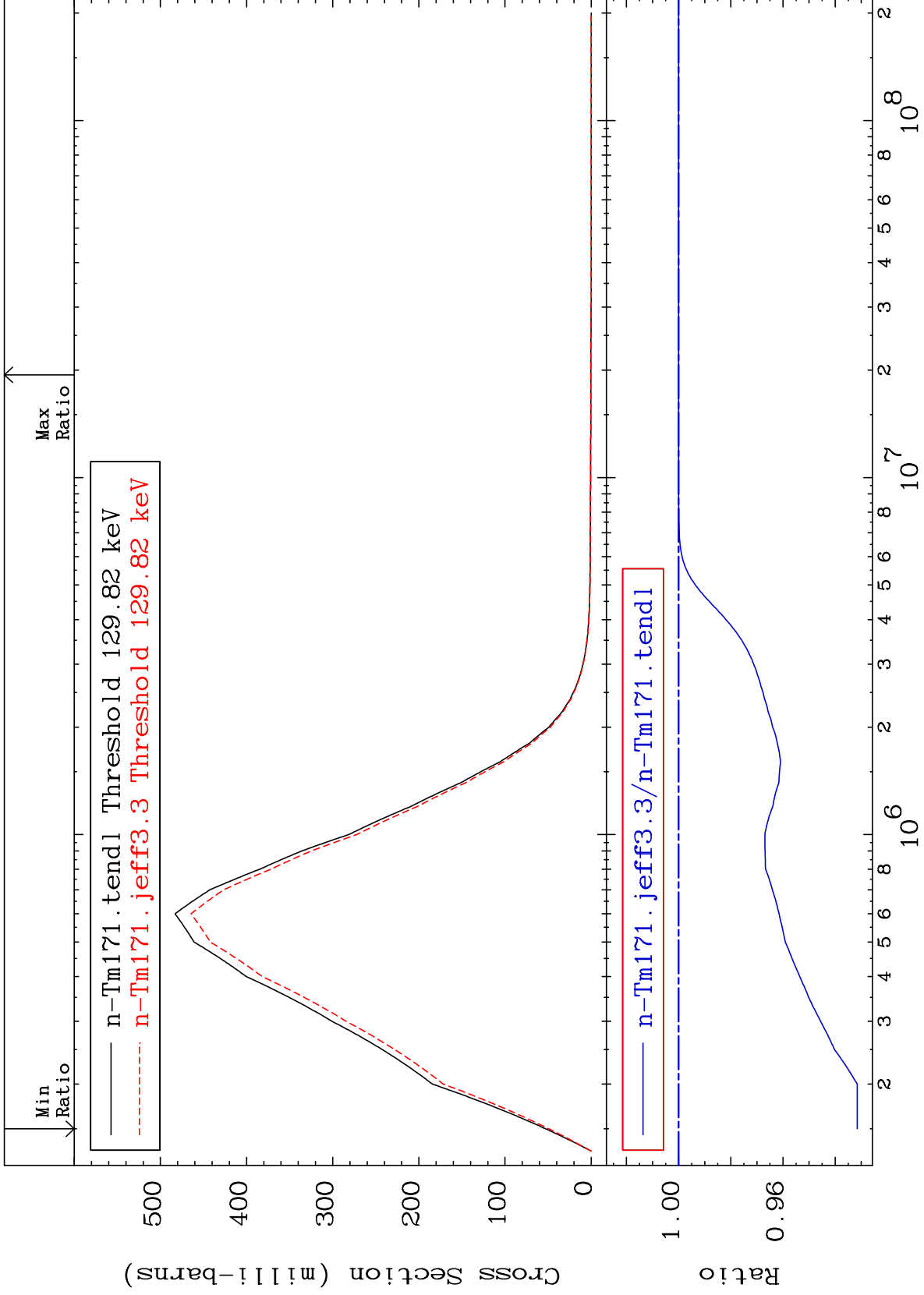
69-Tm-171
-6.313 To 0.000 %



MAT 6931

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

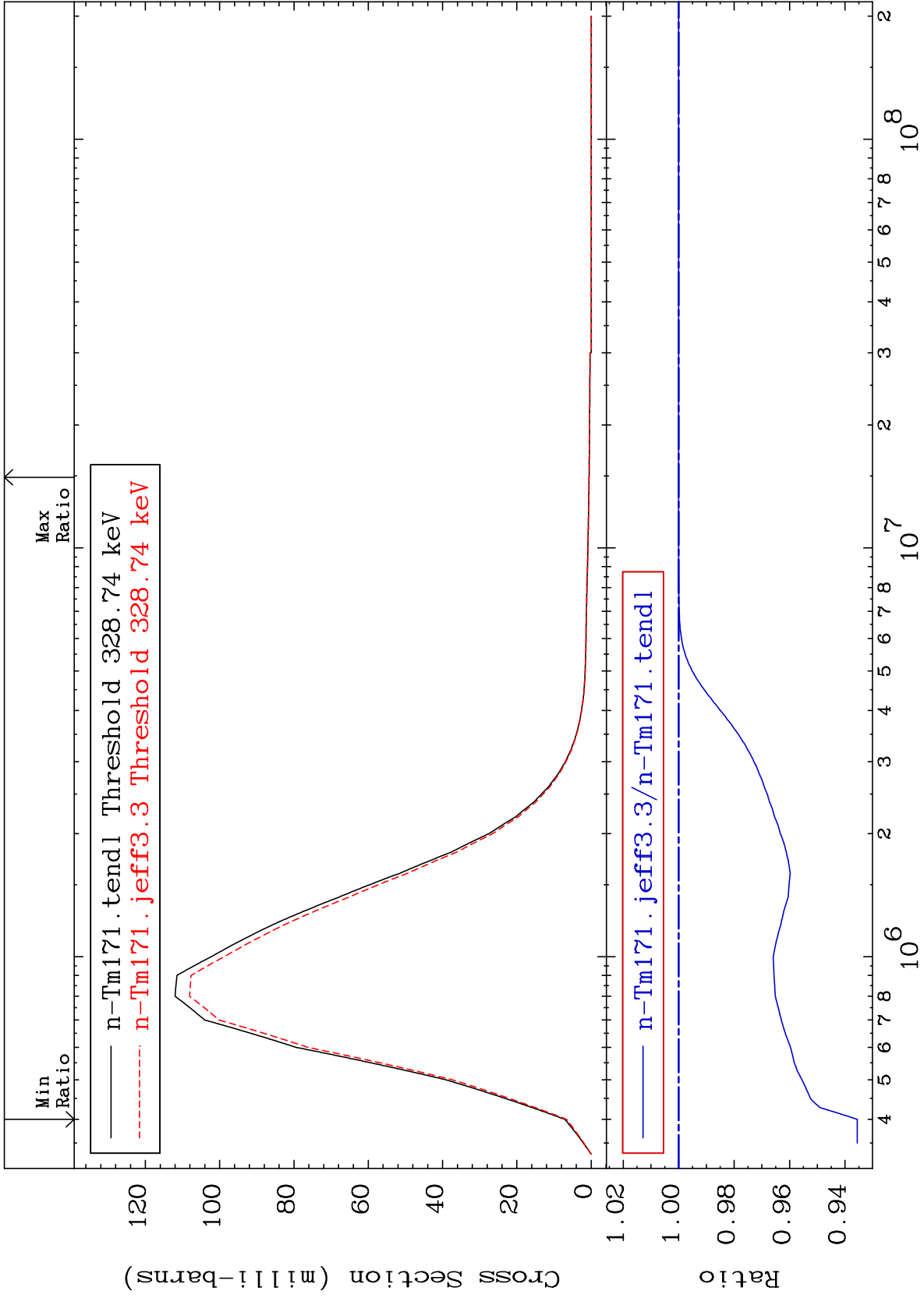
69-Tm-171
-6.846 To 0.000 %



MAT 6931

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

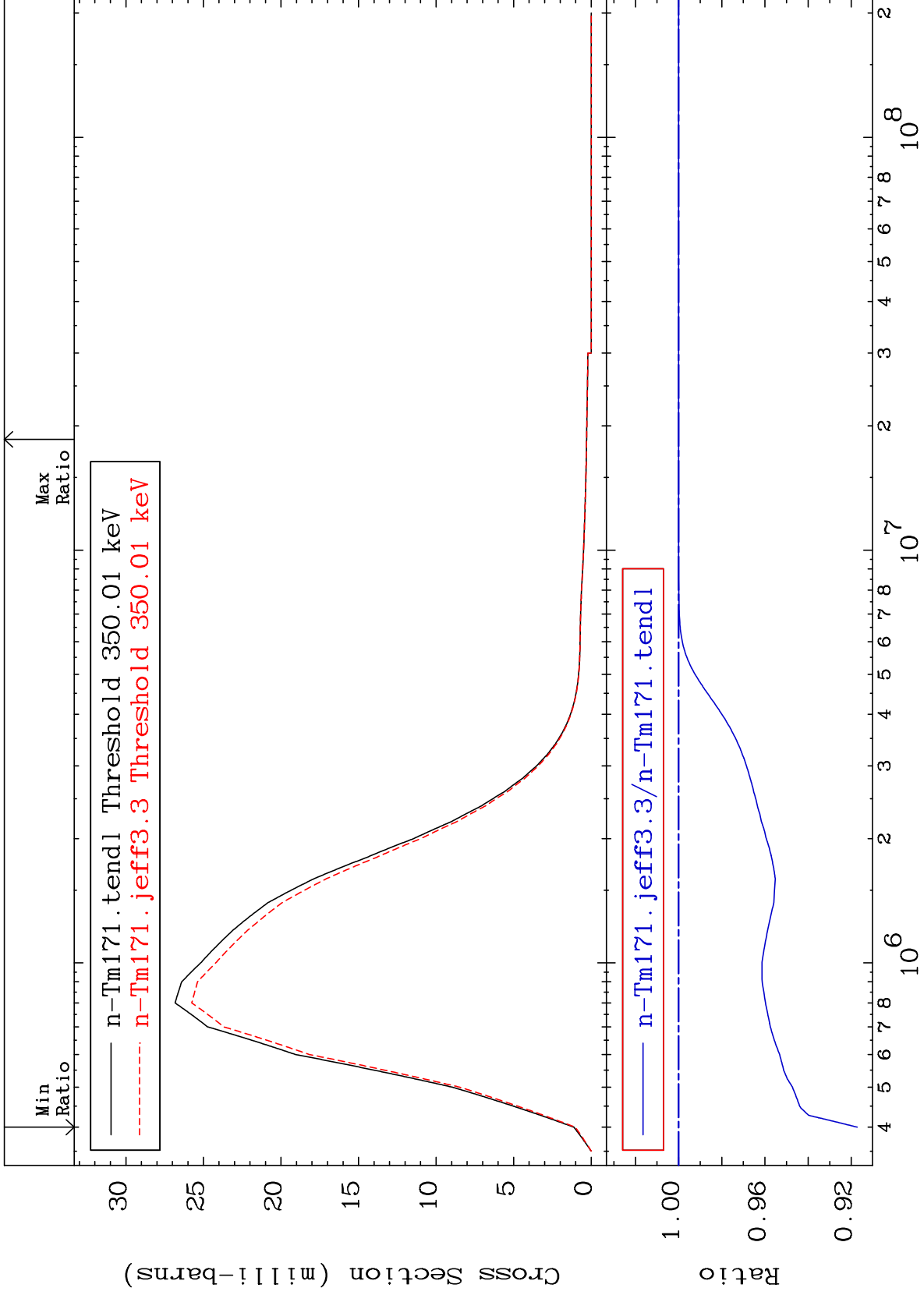
69-Tm-171
-6.441 To 0.000 %



MAT 6931

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

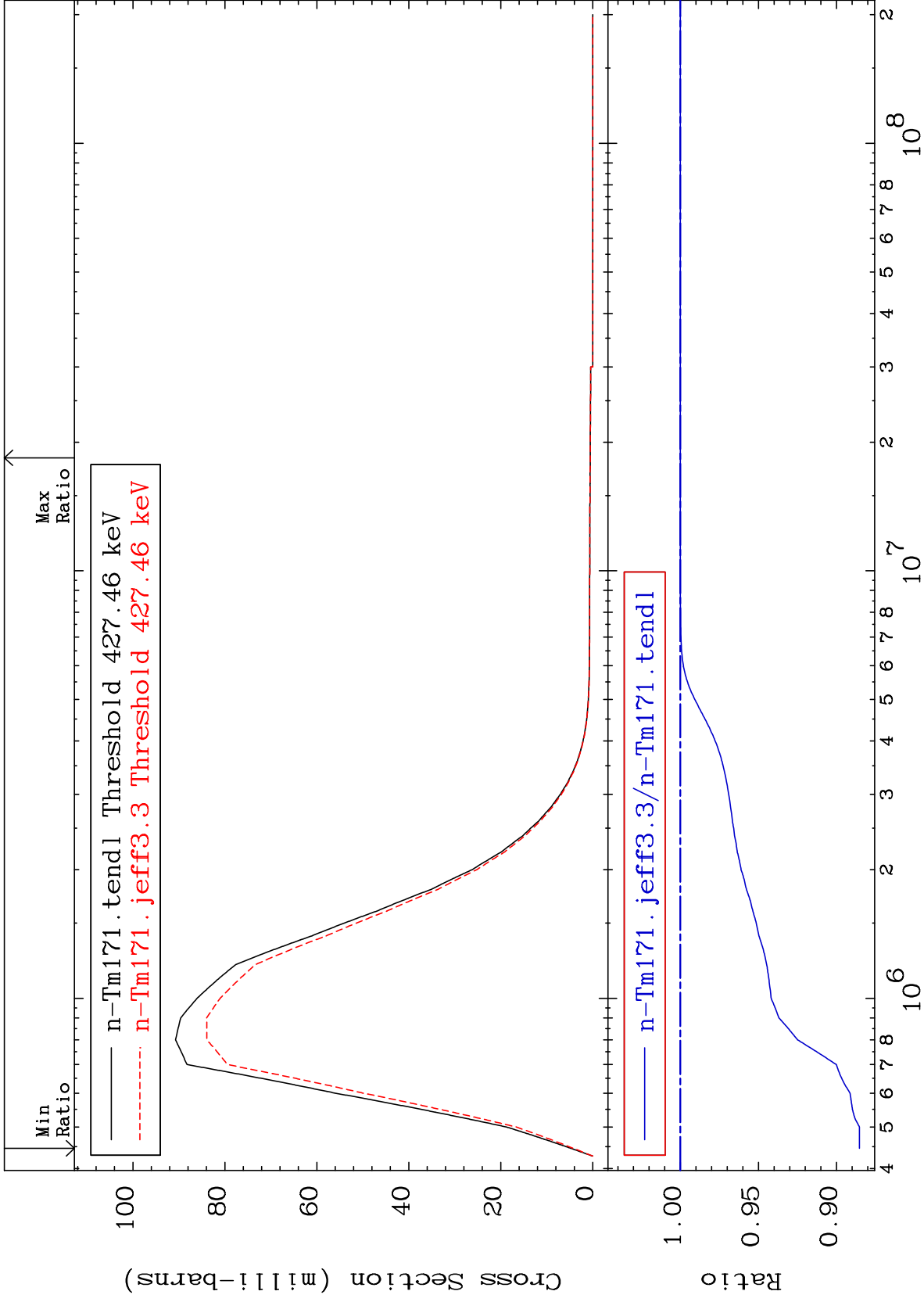
69-Tm-171
-8.277 To 0.000 %



MAT 6931

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

69-Tm-171
-11.46 To 0.000 %



25

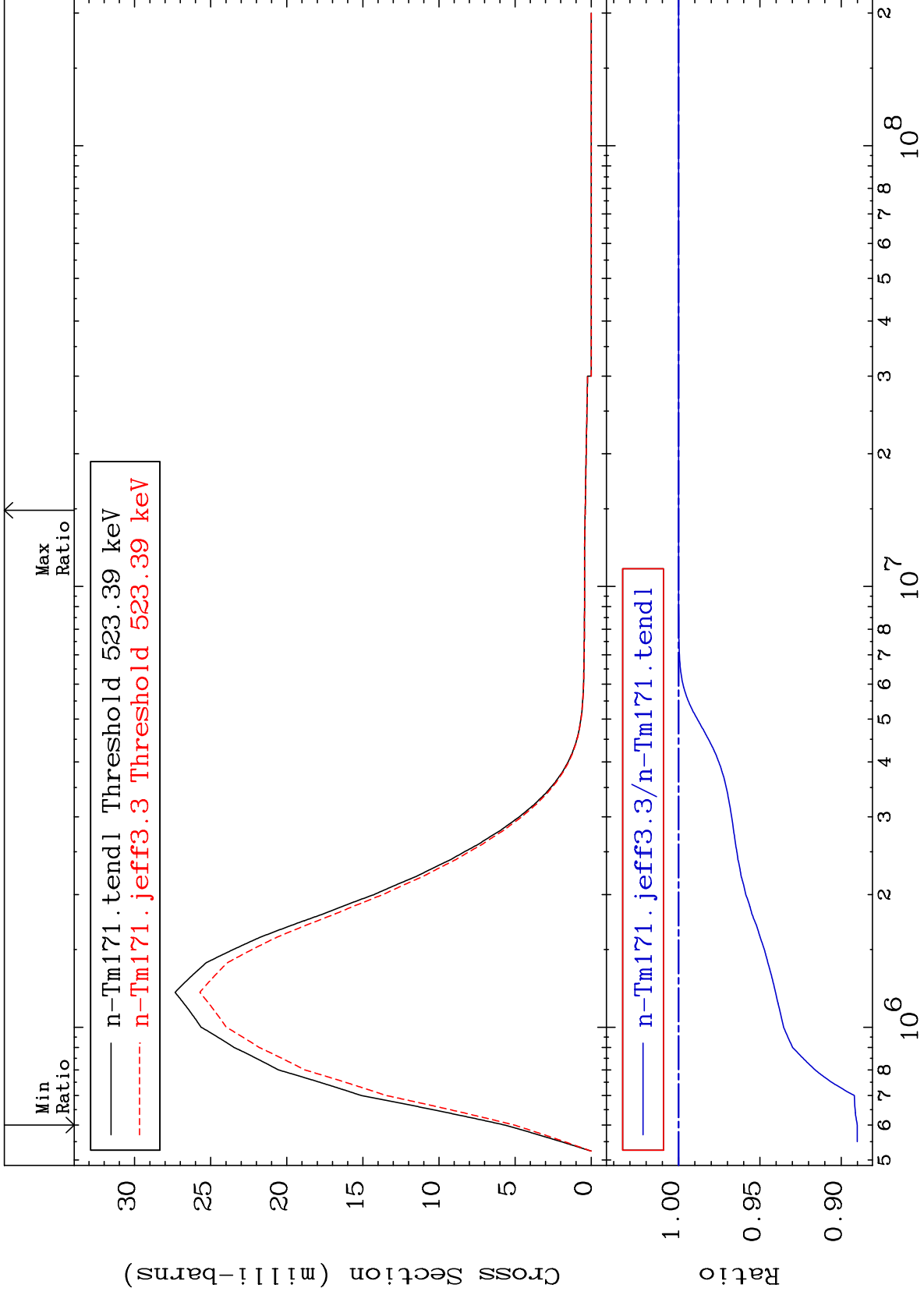
Incident Energy (eV)

69-Tm-171

MAT 6931

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

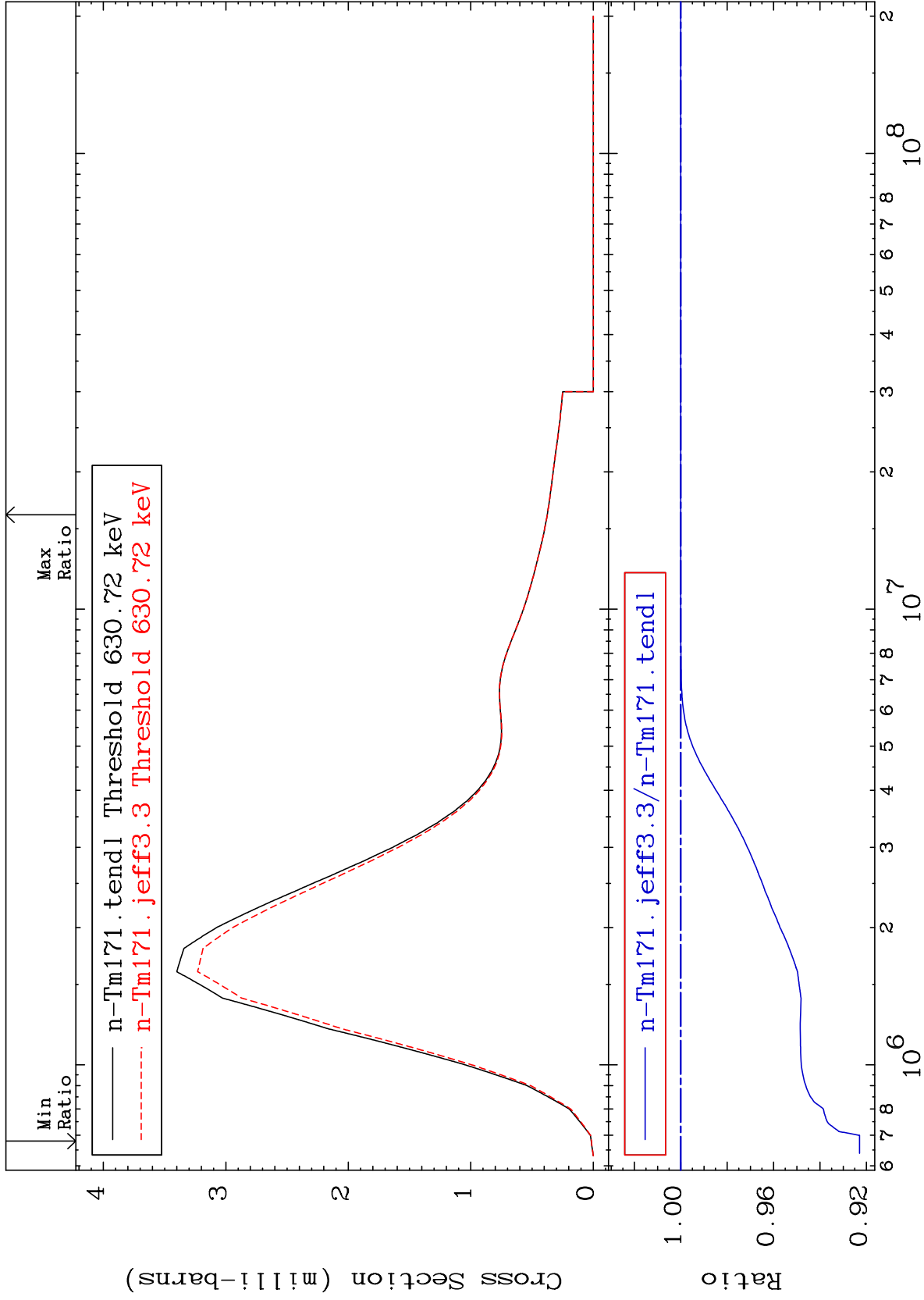
69-Tm-171
-10.99 To 0.000 %



MAT 6931

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

69-Tm-171
-7.704 To 0.000 %



27

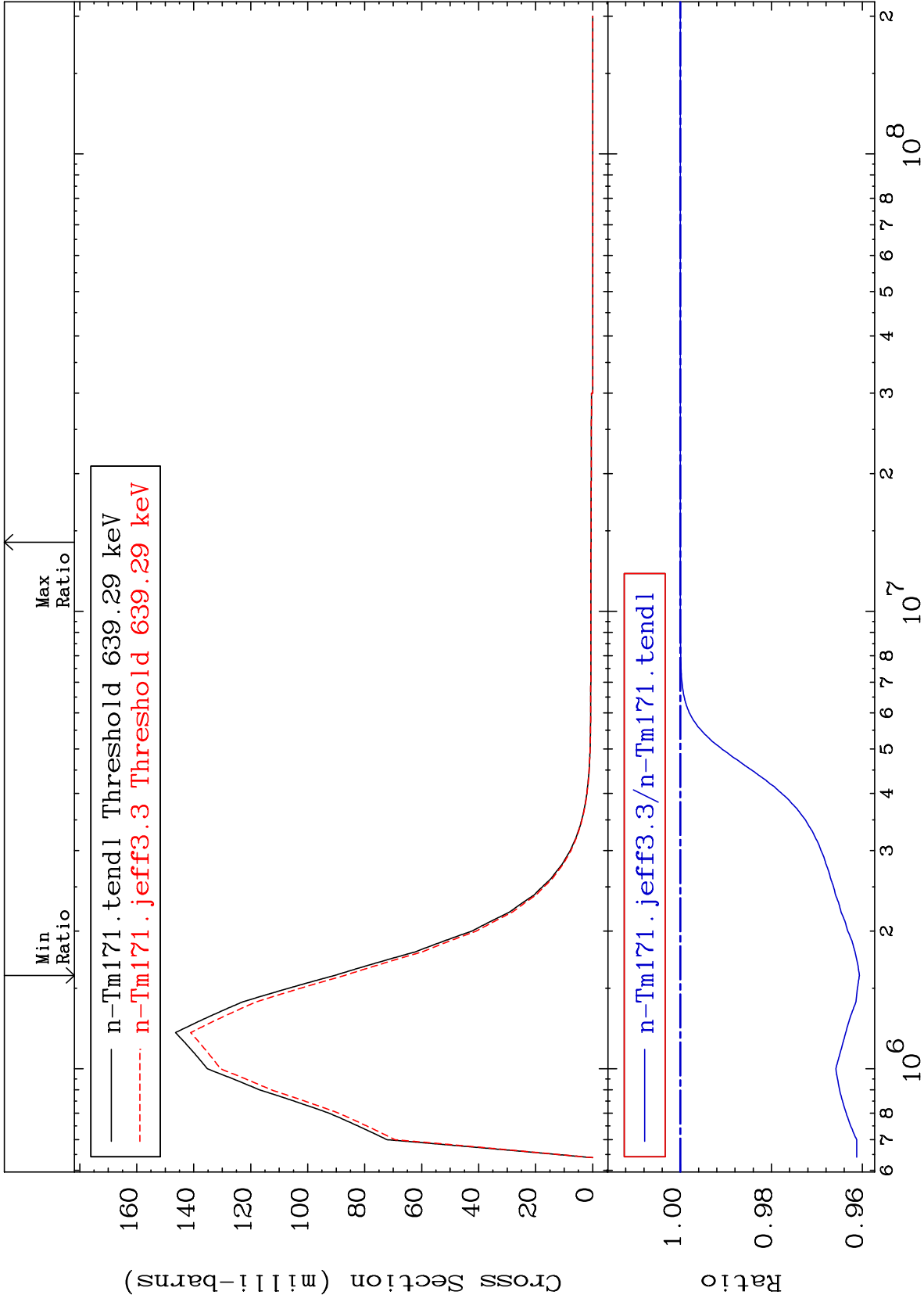
Incident Energy (eV)

69-Tm-171

MAT 6931

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

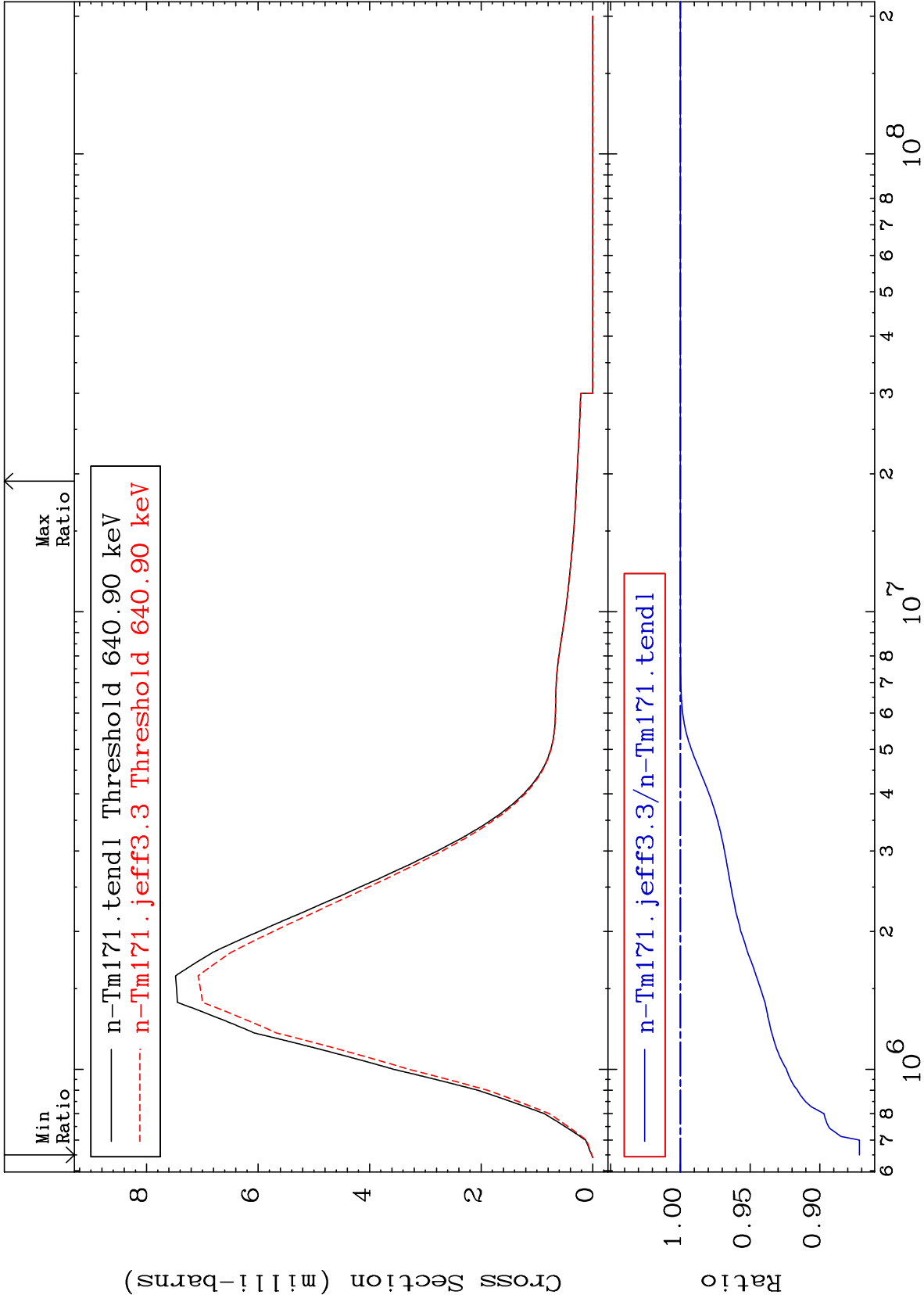
69-Tm-171
-3.934 To 0.000 %



MAT 6931

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

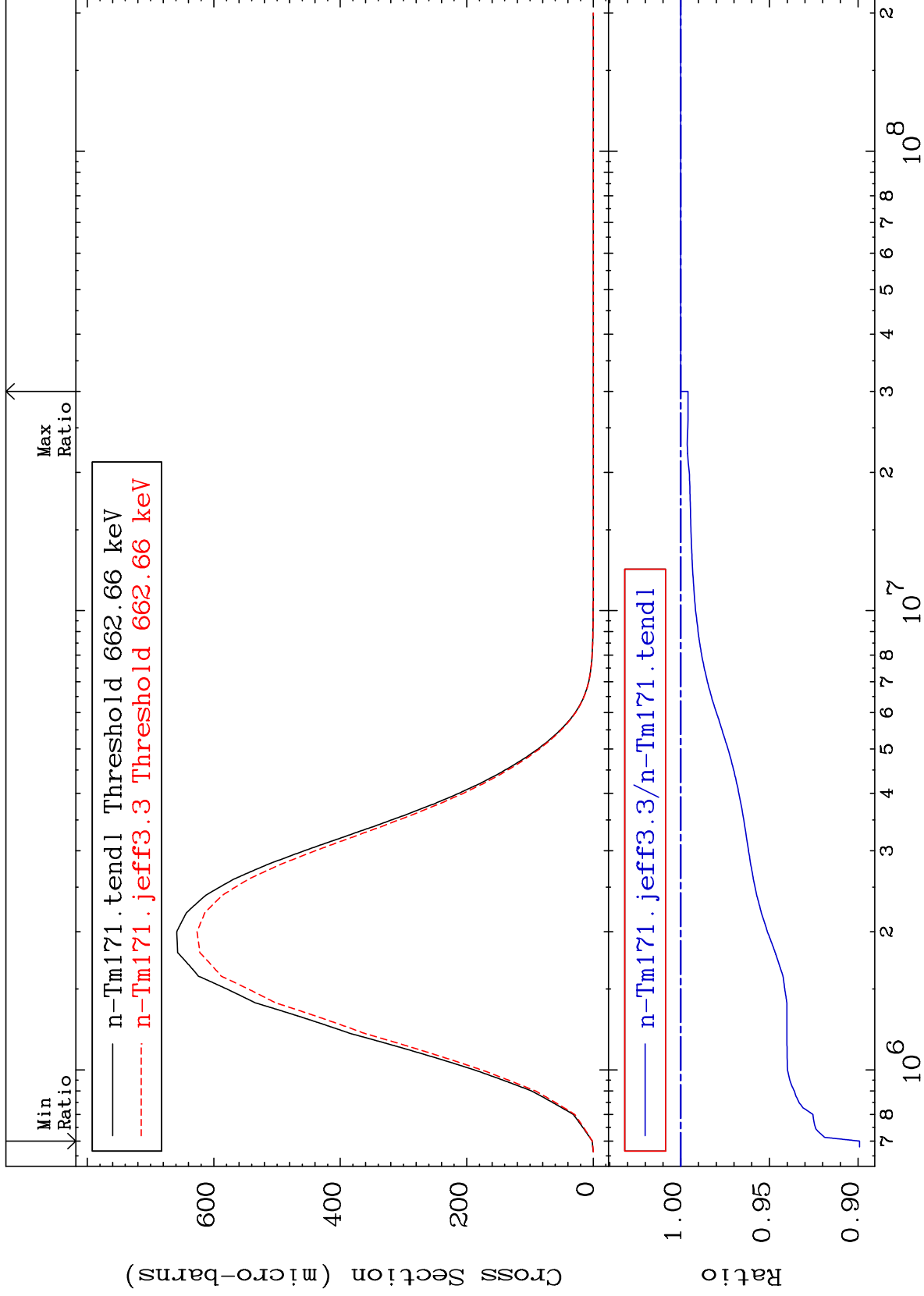
69-Tm-171
-12.83 To 0.000 %



MAT 6931

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

69-Tm-171
-10.08 To 0.000 %



30

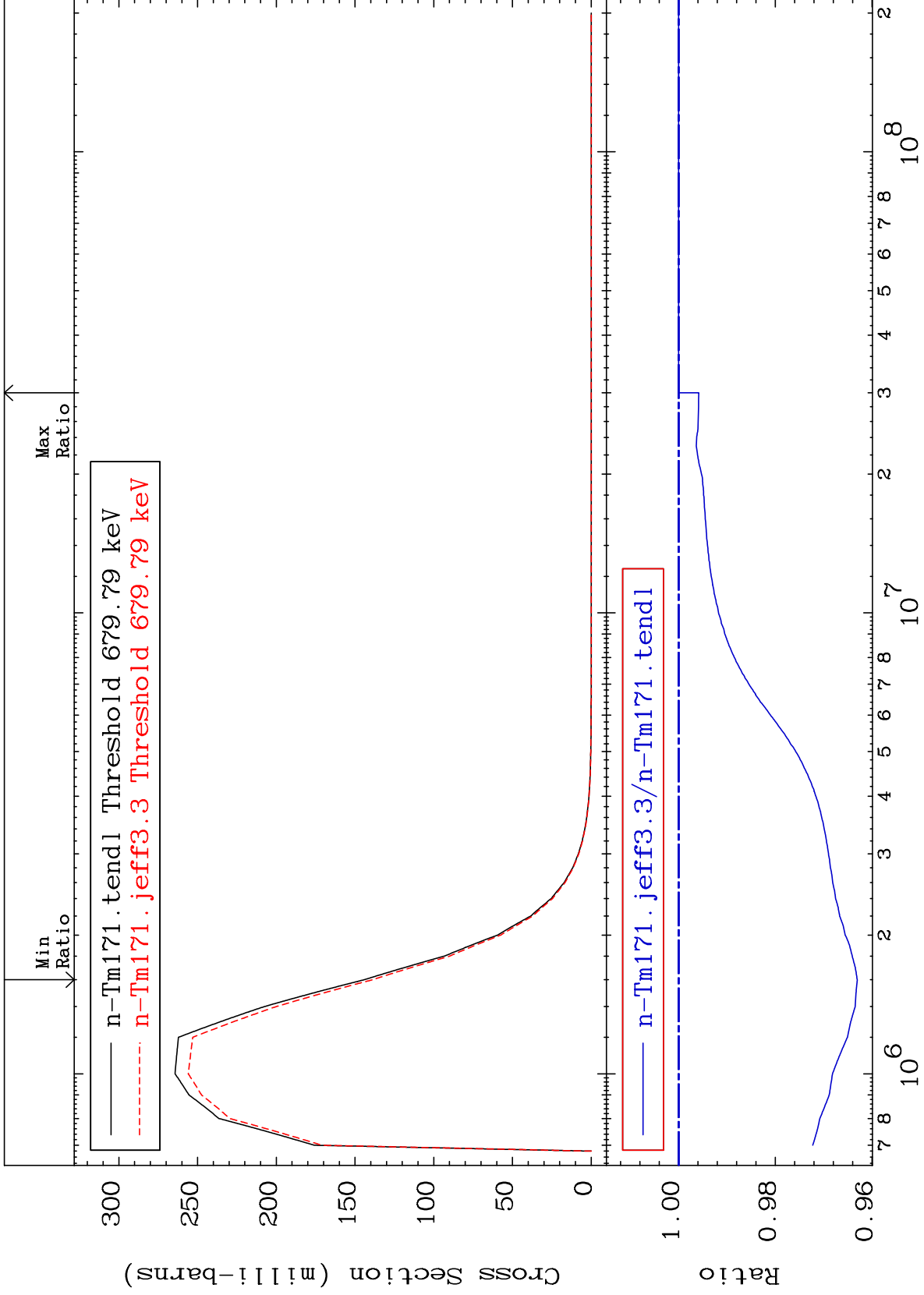
Incident Energy (eV)

69-Tm-171

MAT 6931

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

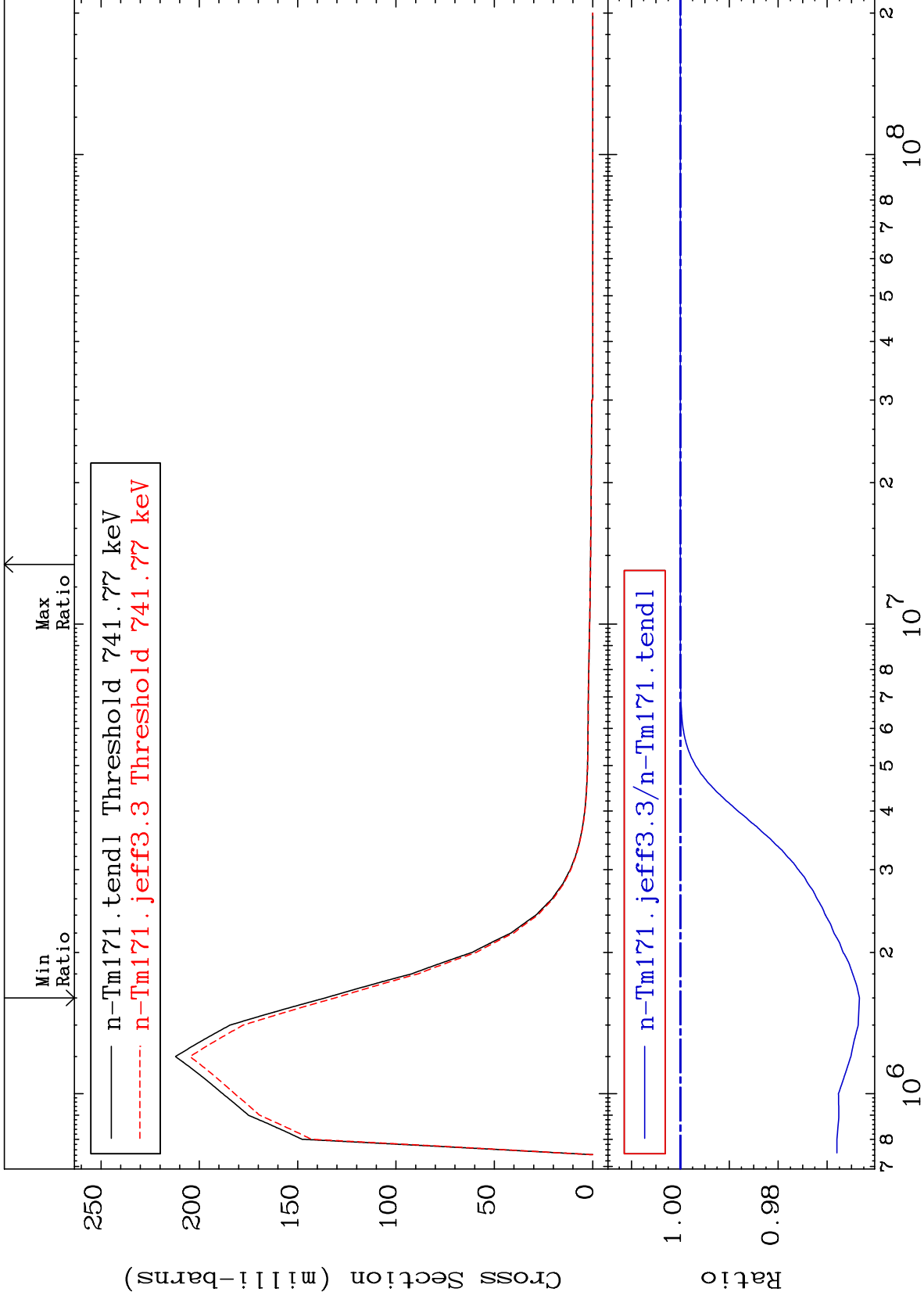
69-Tm-171
-3.694 To 0.000 %



MAT 6931

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

69-Tm-171
-3.661 To 0.000 %



32

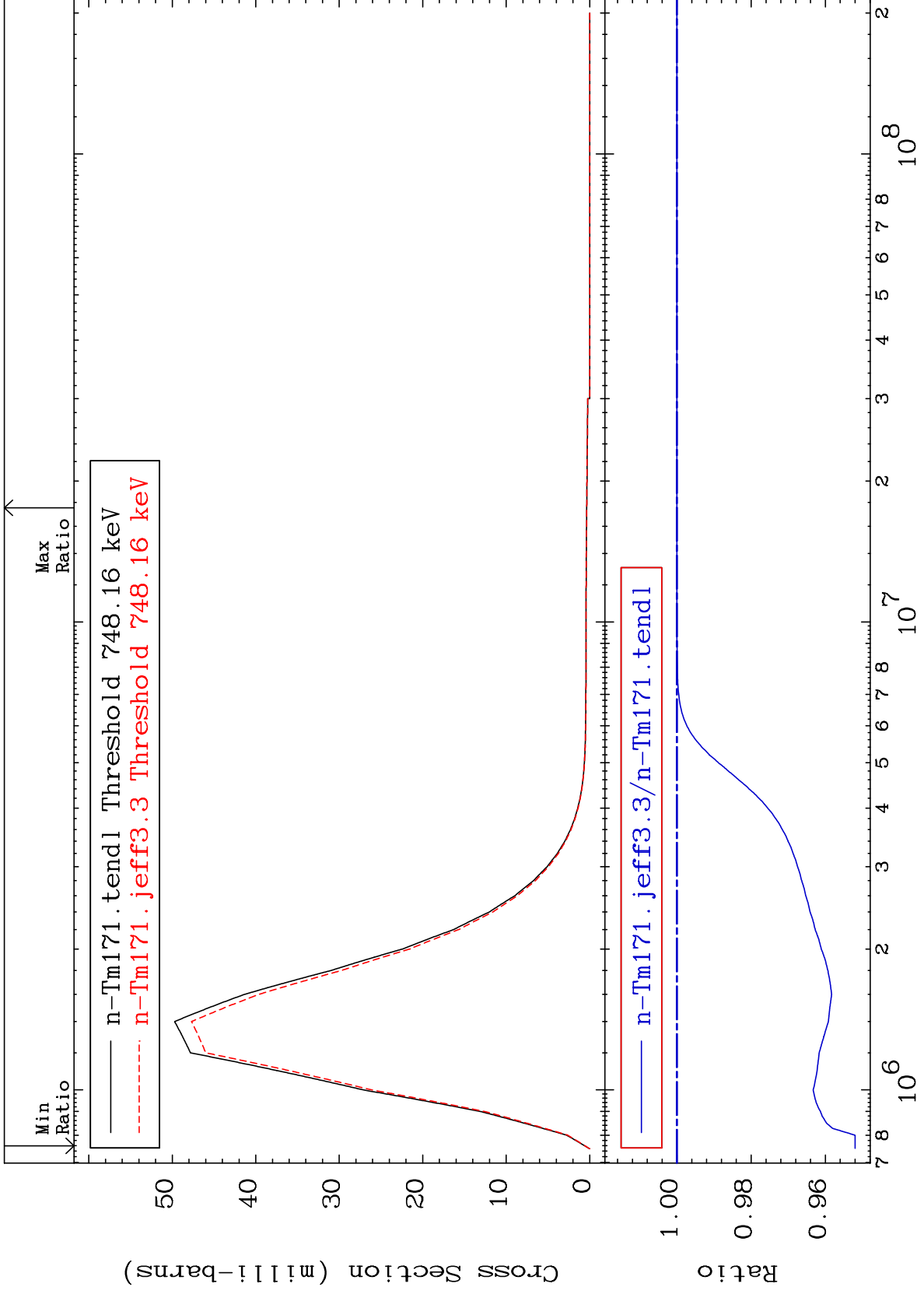
Incident Energy (eV)

69-Tm-171

MAT 6931

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

69-Tm-171
-4.800 To 0.000 %



33

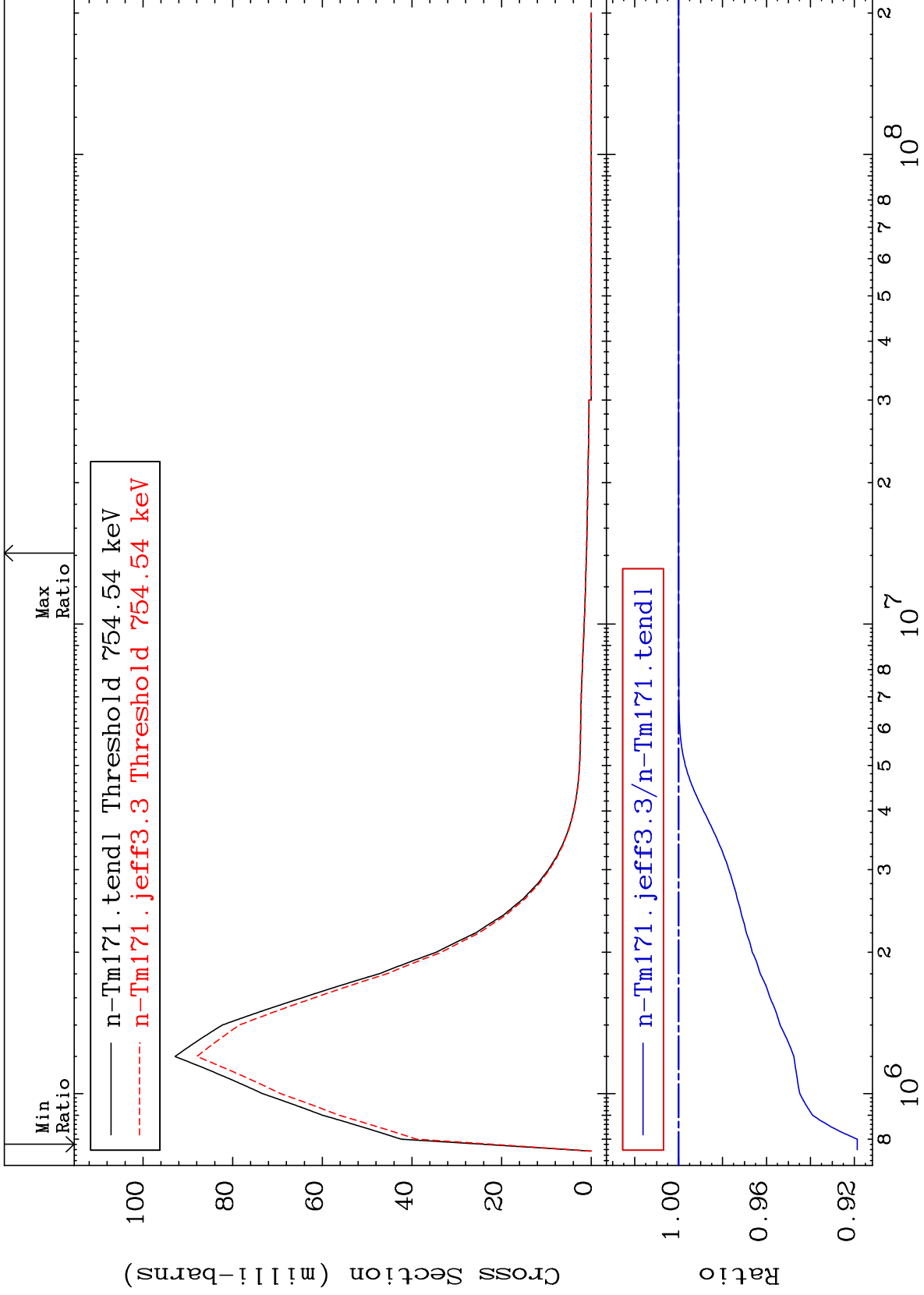
Incident Energy (eV)

69-Tm-171

MAT 6931

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

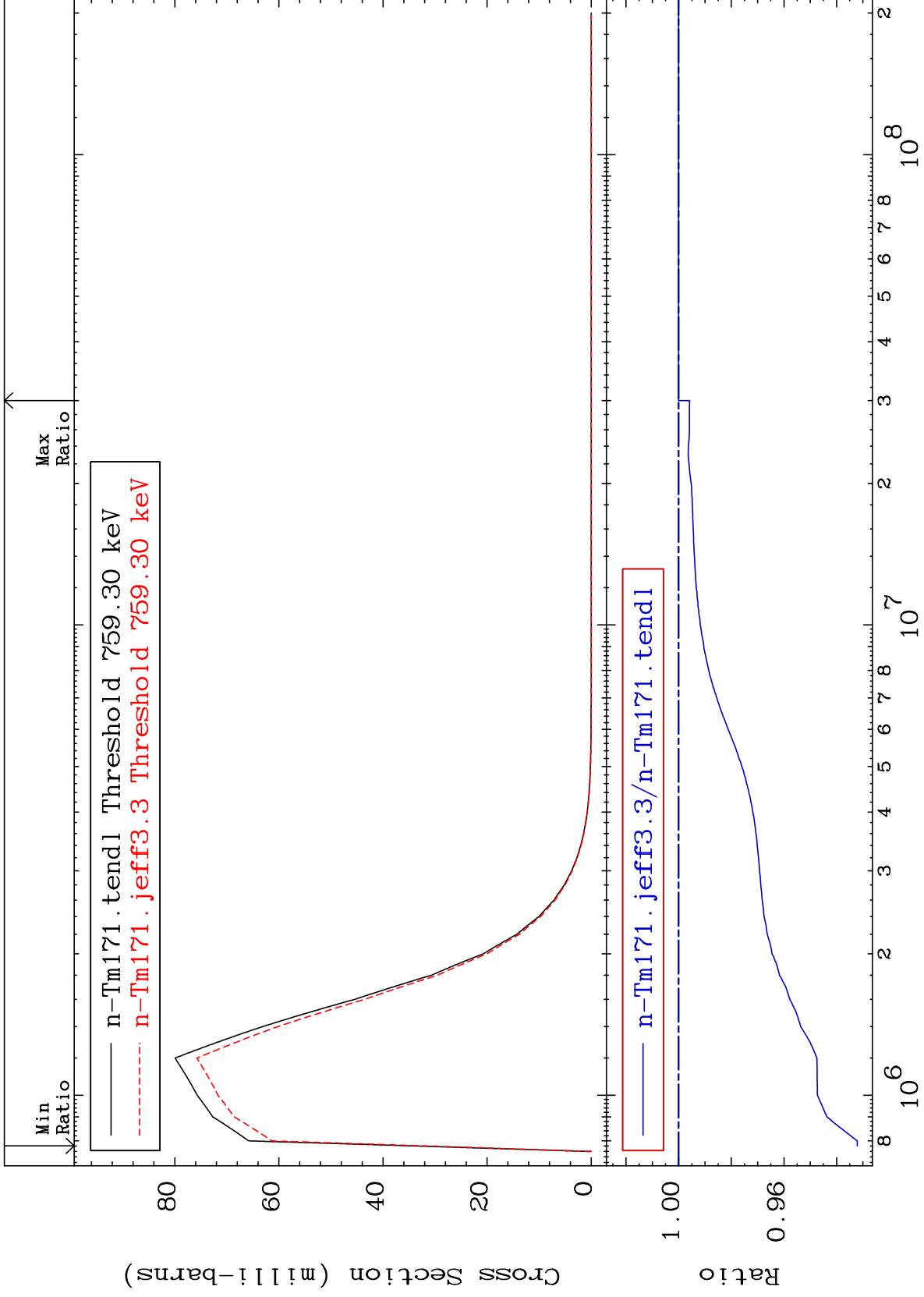
69-Tm-171
-8.132 To 0.000 %



MAT 6931

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

69-Tm-171
-6.785 To 0.000 %



35

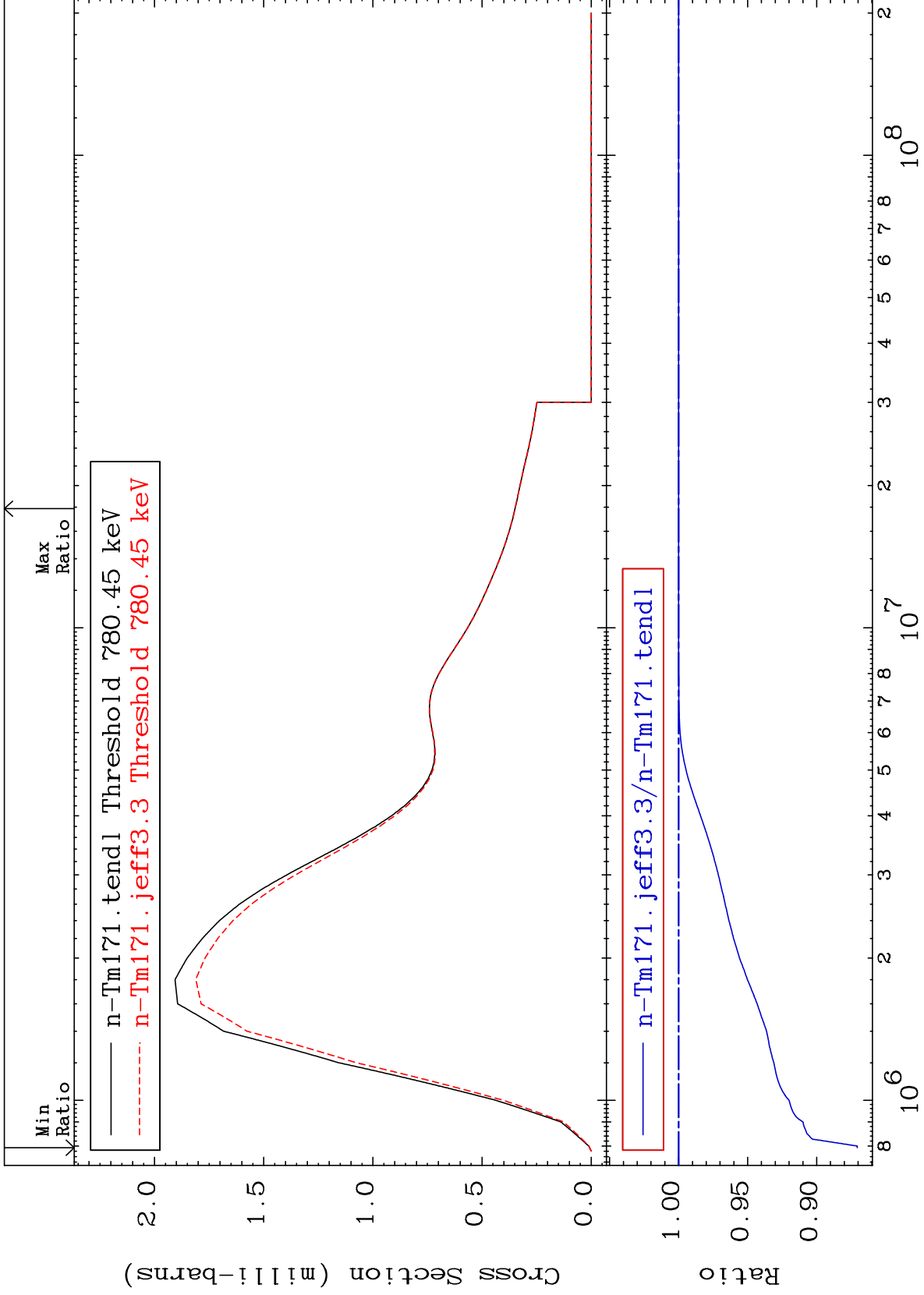
Incident Energy (eV)

69-Tm-171

MAT 6931

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

69-Tm-171
-12.94 To 0.000 %



36

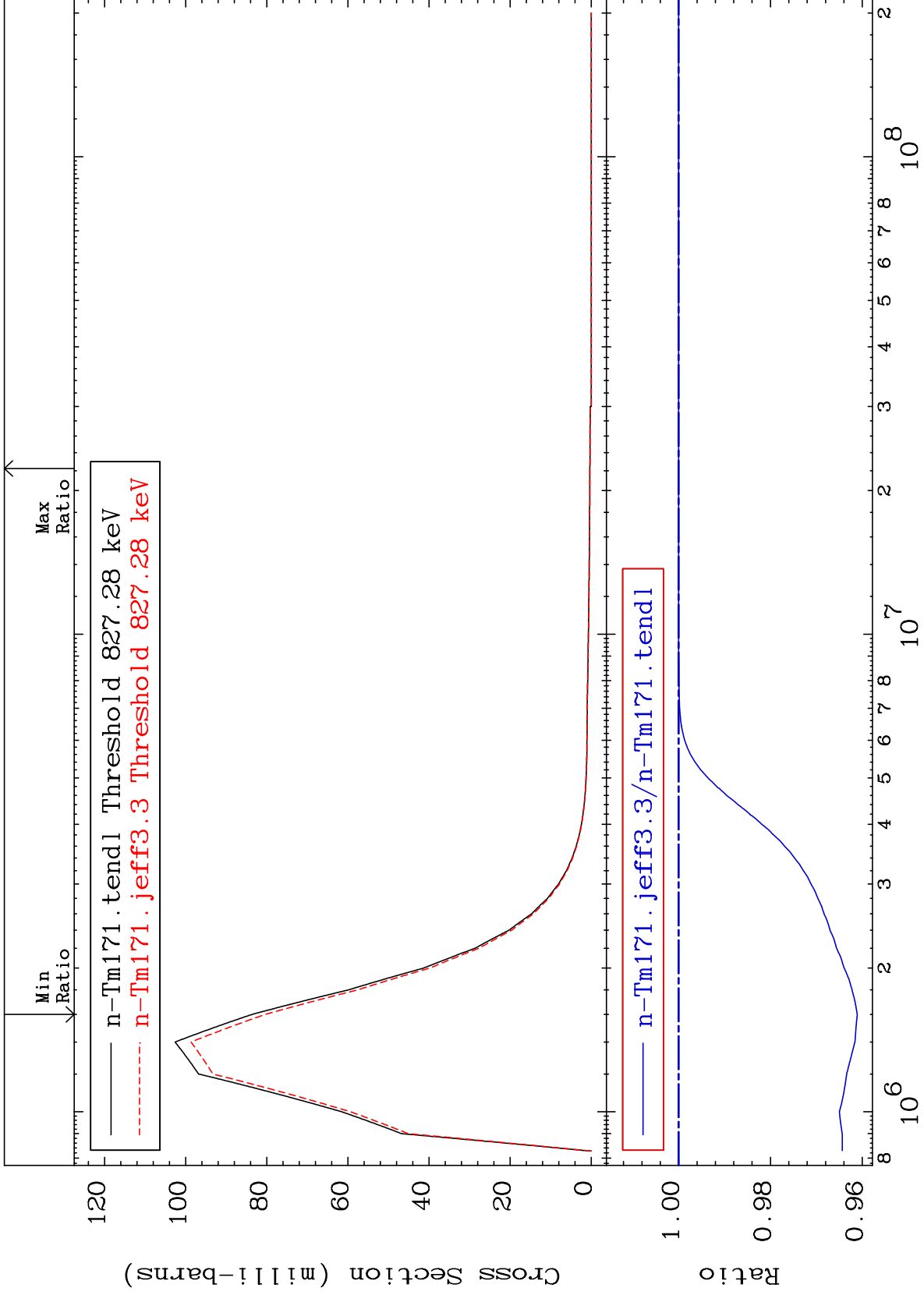
Incident Energy (eV)

69-Tm-171

MAT 6931

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

69-Tm-171
-3.890 To 0.000 %



37

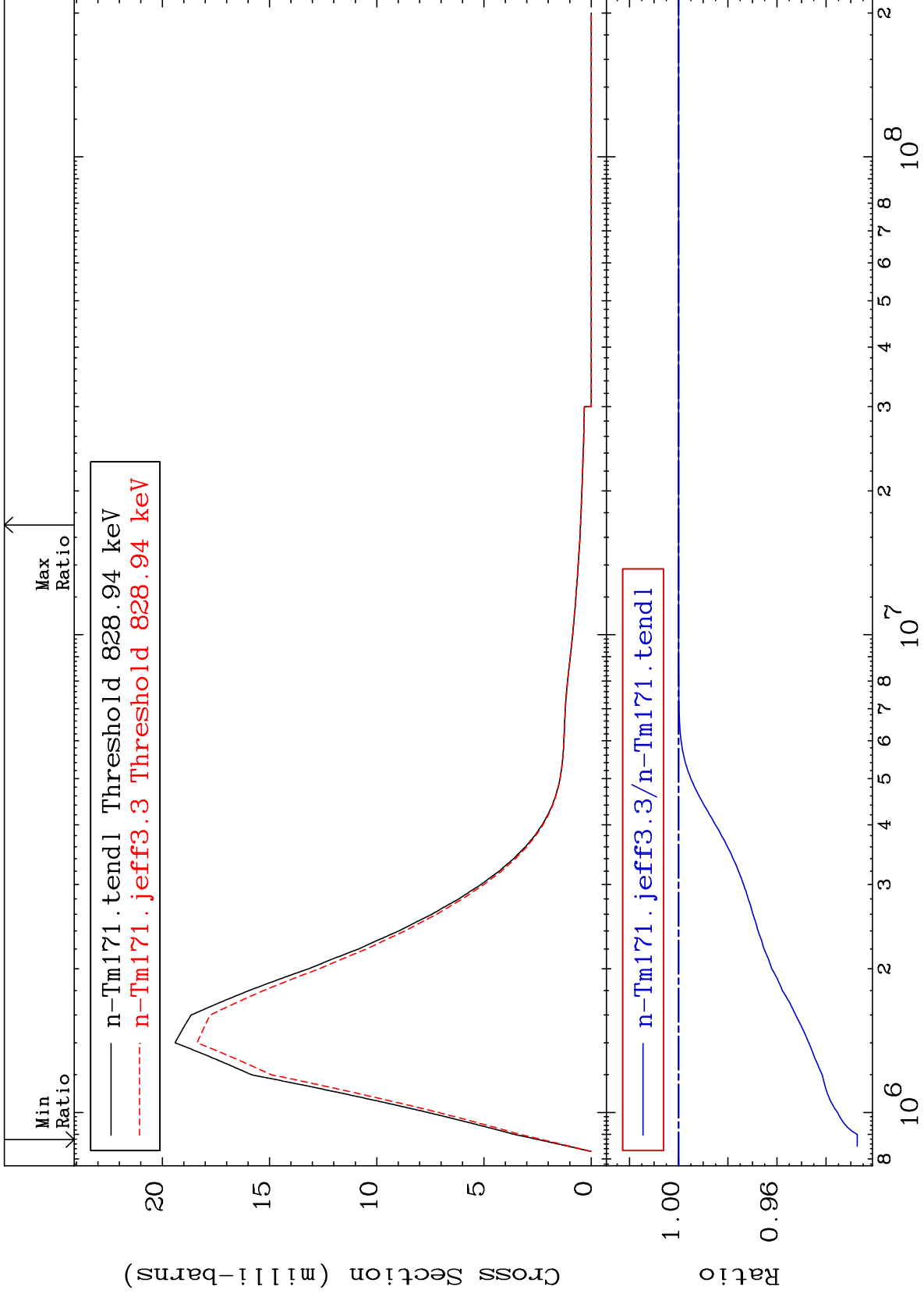
Incident Energy (eV)

69-Tm-171

MAT 6931

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

69-Tm-171
-7.265 To 0.000 %



38

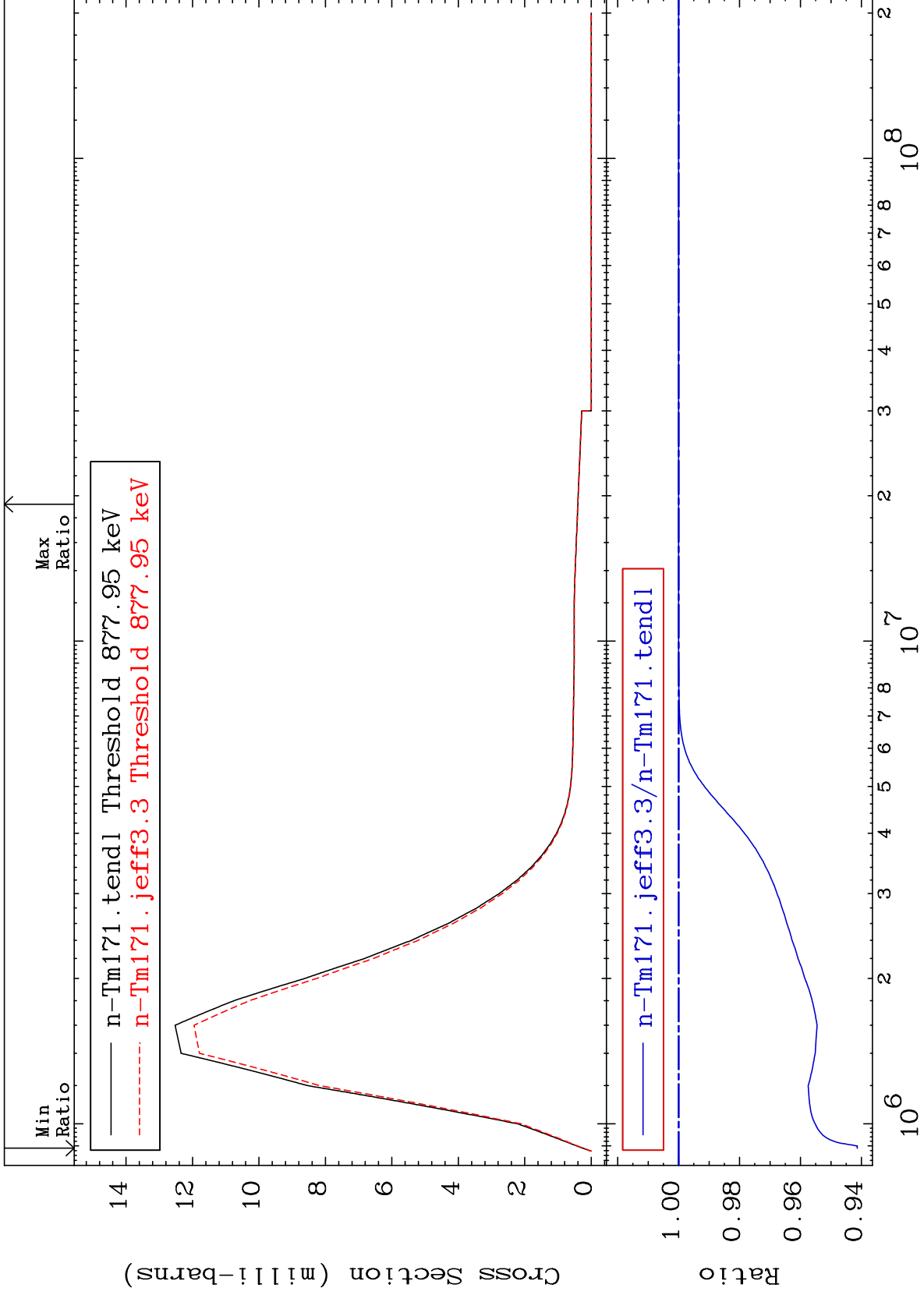
Incident Energy (eV)

69-Tm-171

MAT 6931

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

69-Tm-171
-5.862 To 0.000 %



39

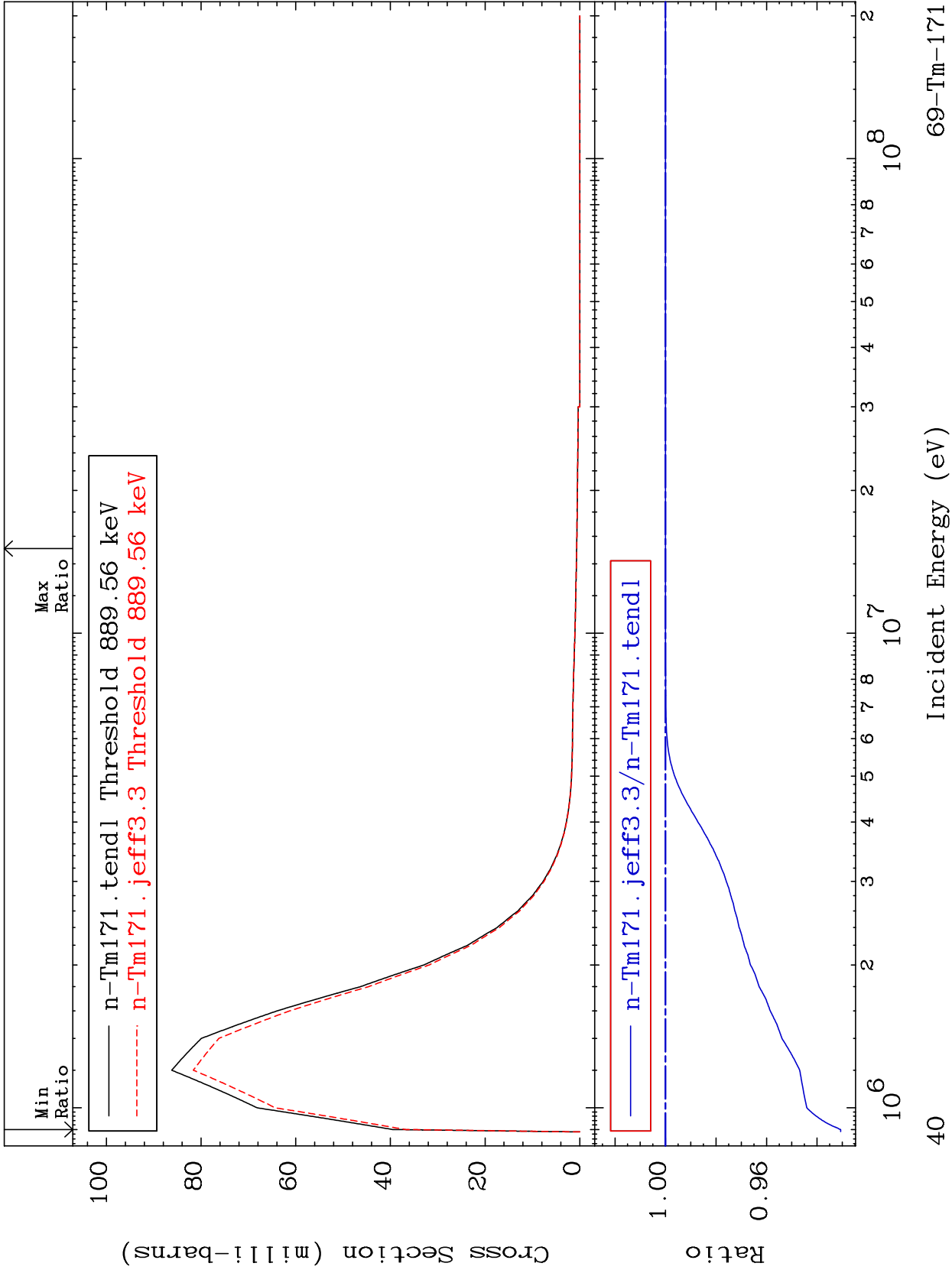
Incident Energy (eV)

69-Tm-171

MAT 6931

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

69-Tm-171
-6.934 To 0.000 %



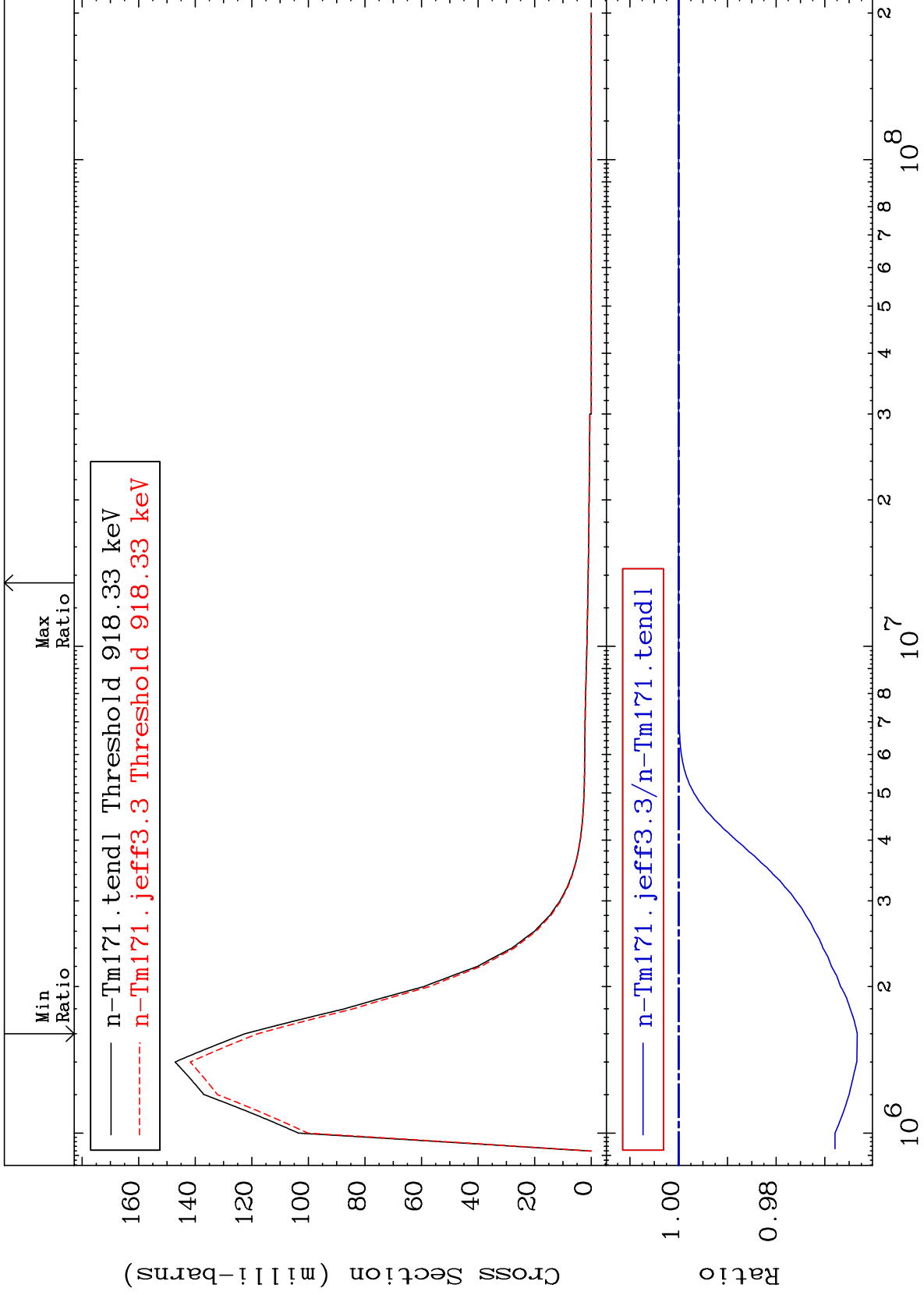
Incident Energy (eV)

69-Tm-171

MAT 6931

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

69-Tm-171
-3.665 To 0.000 %



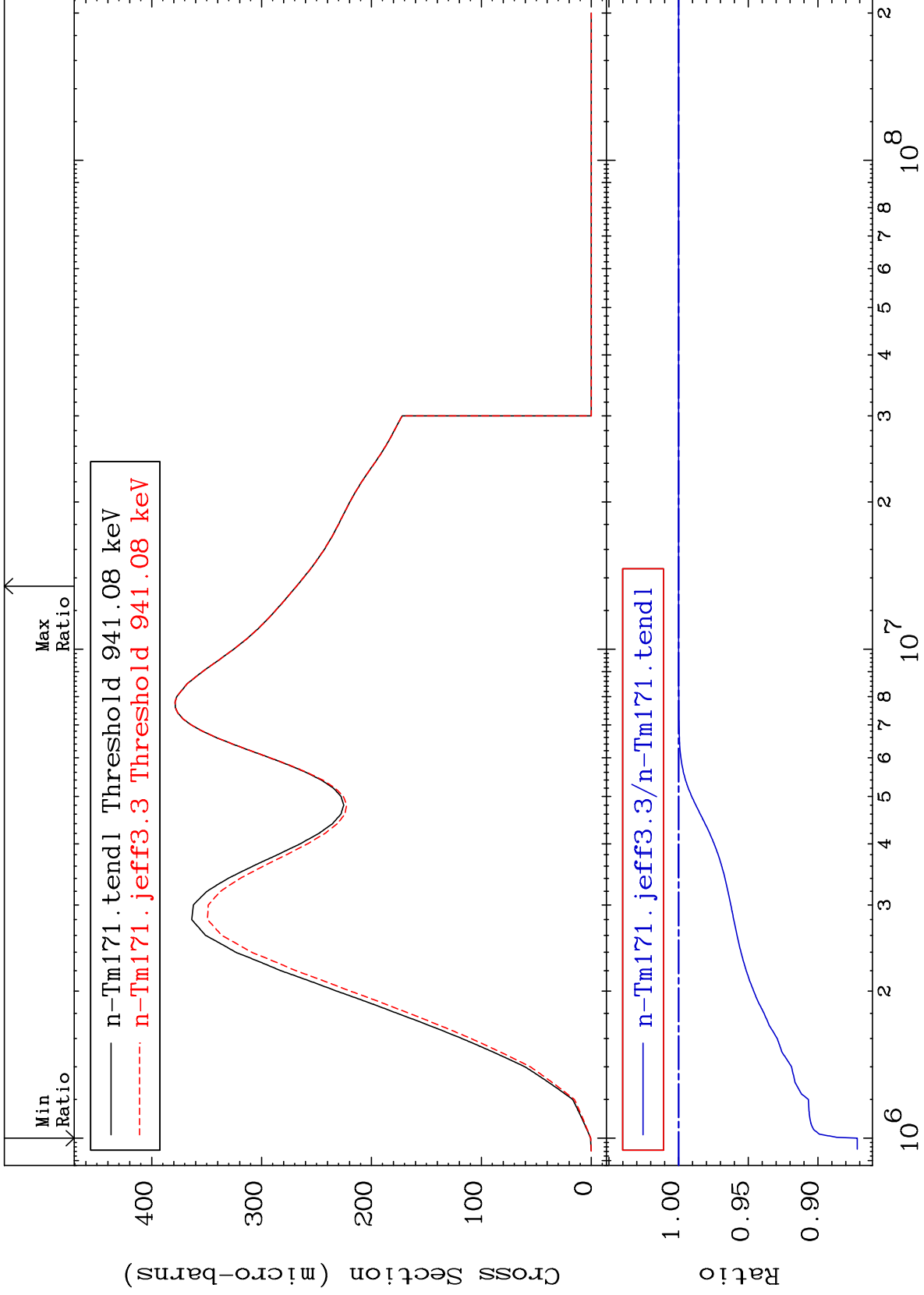
41

69-Tm-171

MAT 6931

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

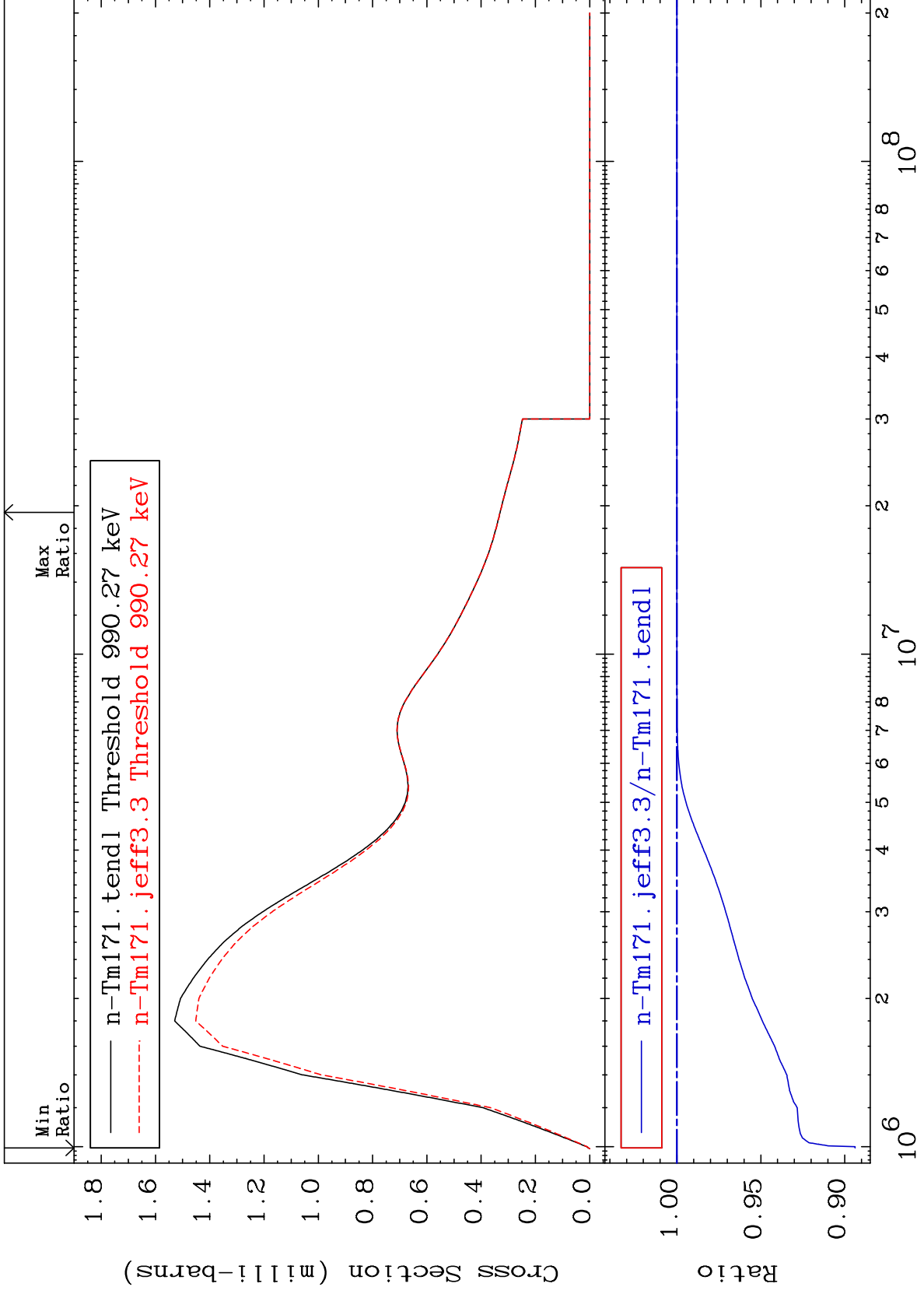
69-Tm-171
-12.83 To 0.000 %



MAT 6931

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

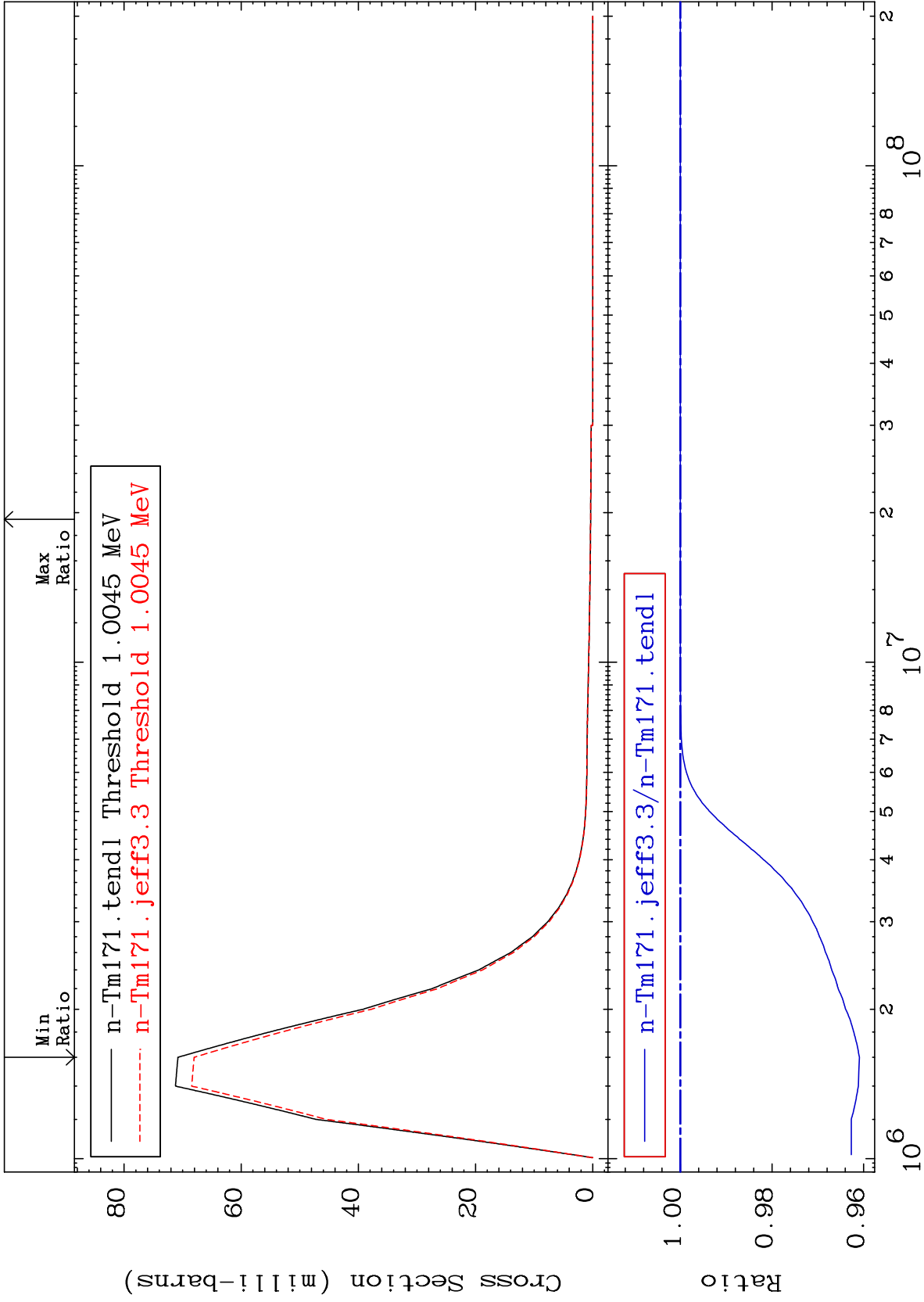
69-Tm-171
-10.62 To 0.000 %



MAT 6931

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

69-Tm-171
-3.907 To 0.000 %



44

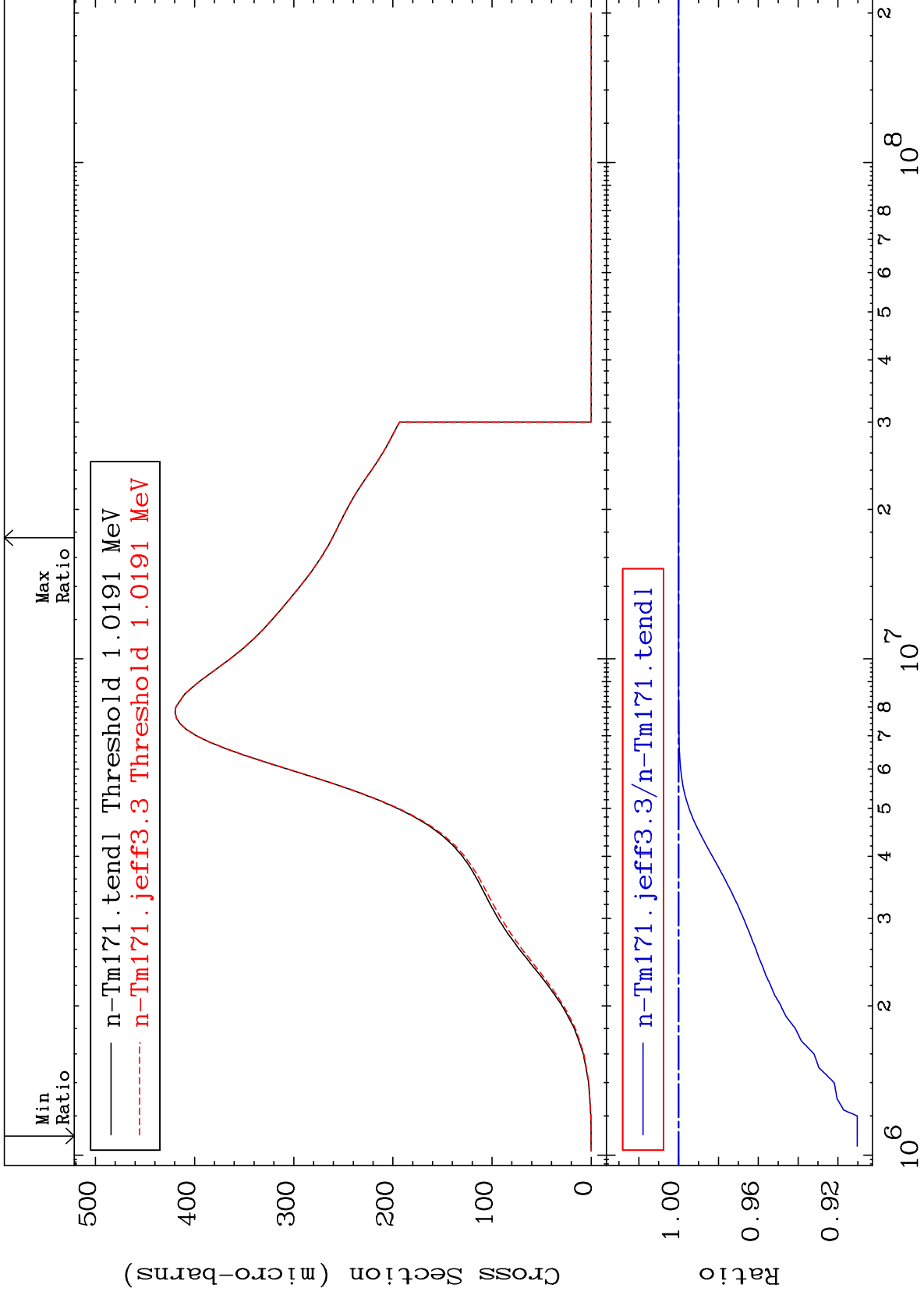
Incident Energy (eV)

69-Tm-171

MAT 6931

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

69-Tm-171
-8.972 To 0.000 %



45

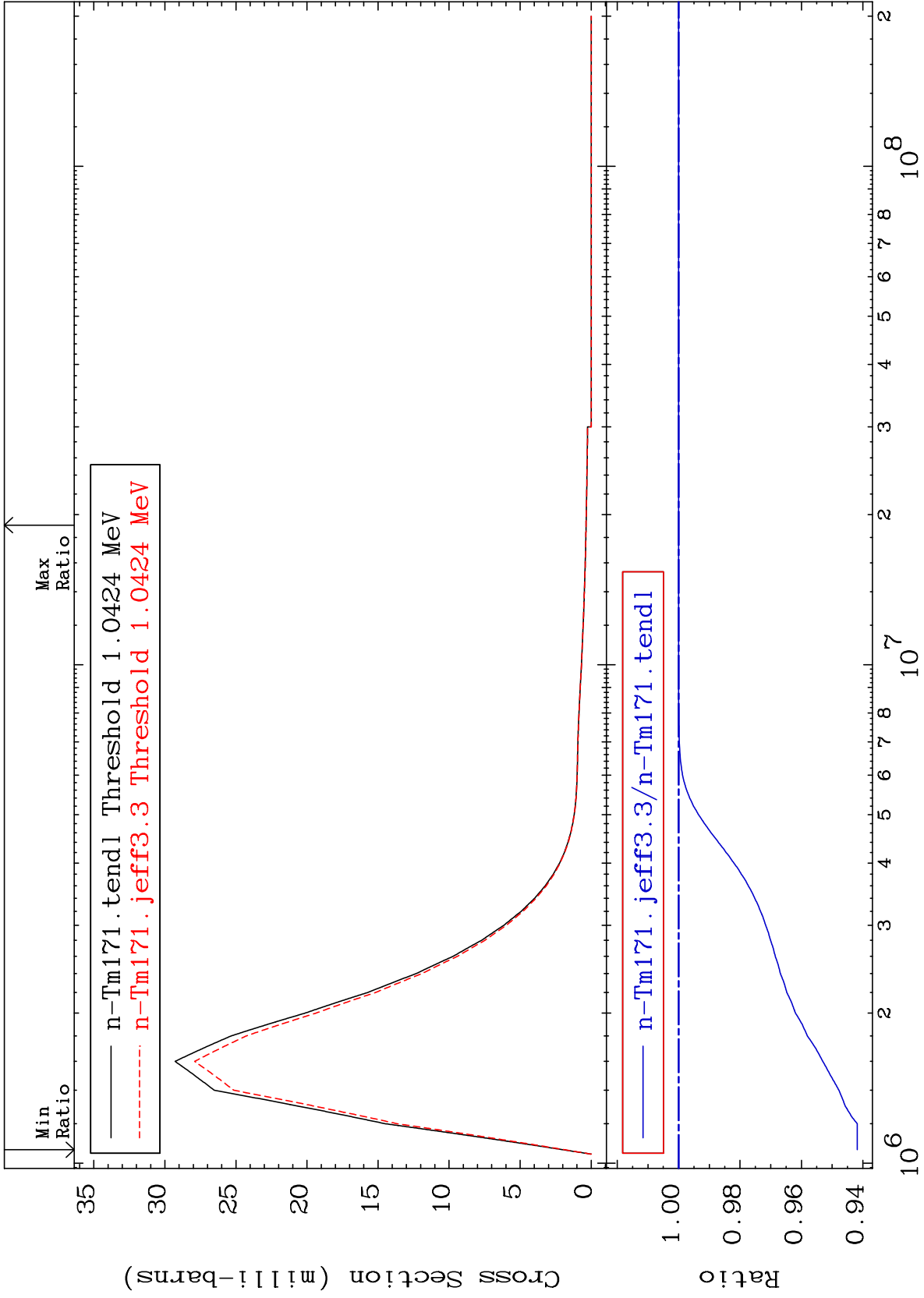
Incident Energy (eV)

69-Tm-171

MAT 6931

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

69-Tm-171
-5.819 To 0.000 %



46

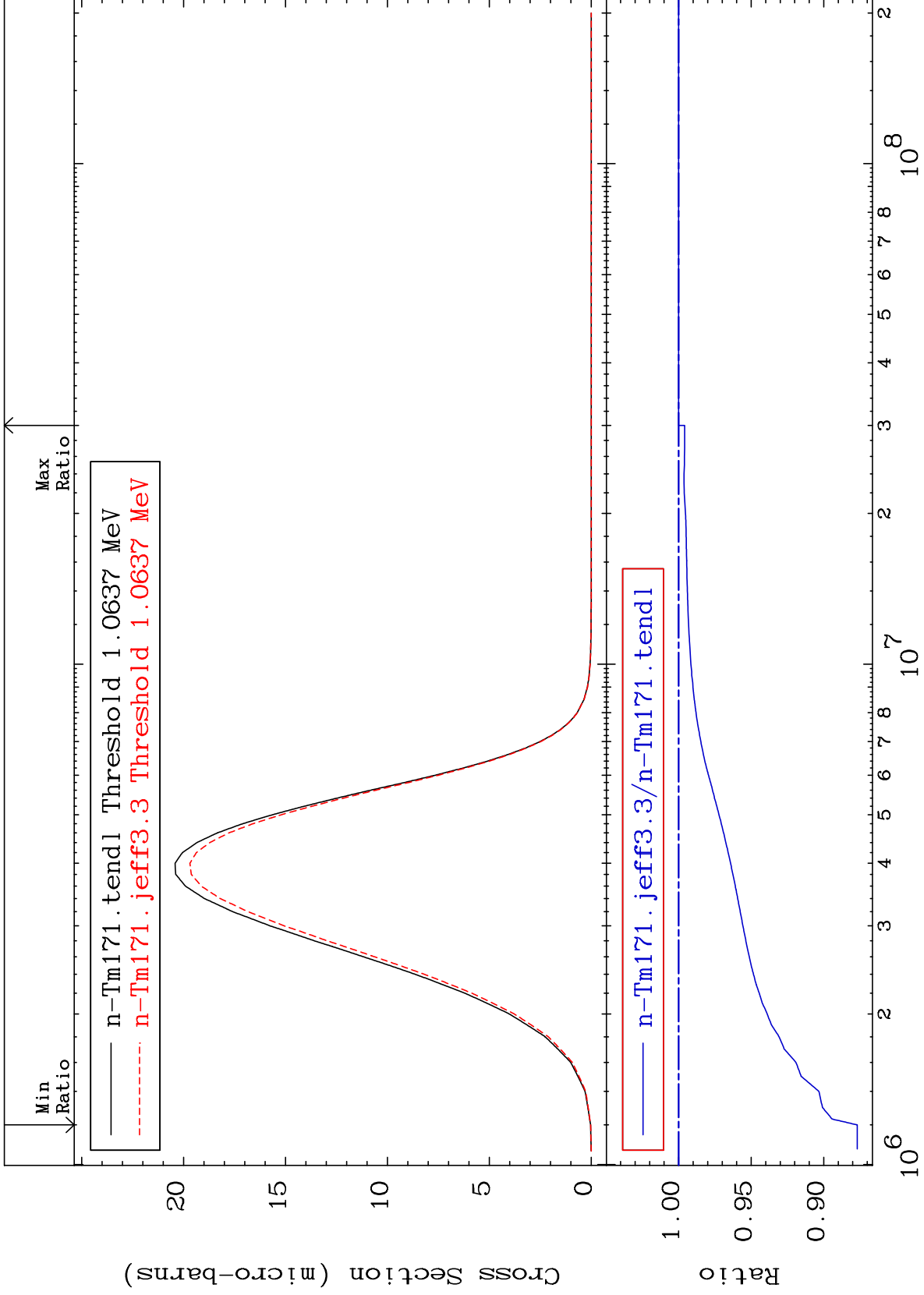
Incident Energy (eV)

69-Tm-171

MAT 6931

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

69-Tm-171
-12.31 To 0.000 %



47

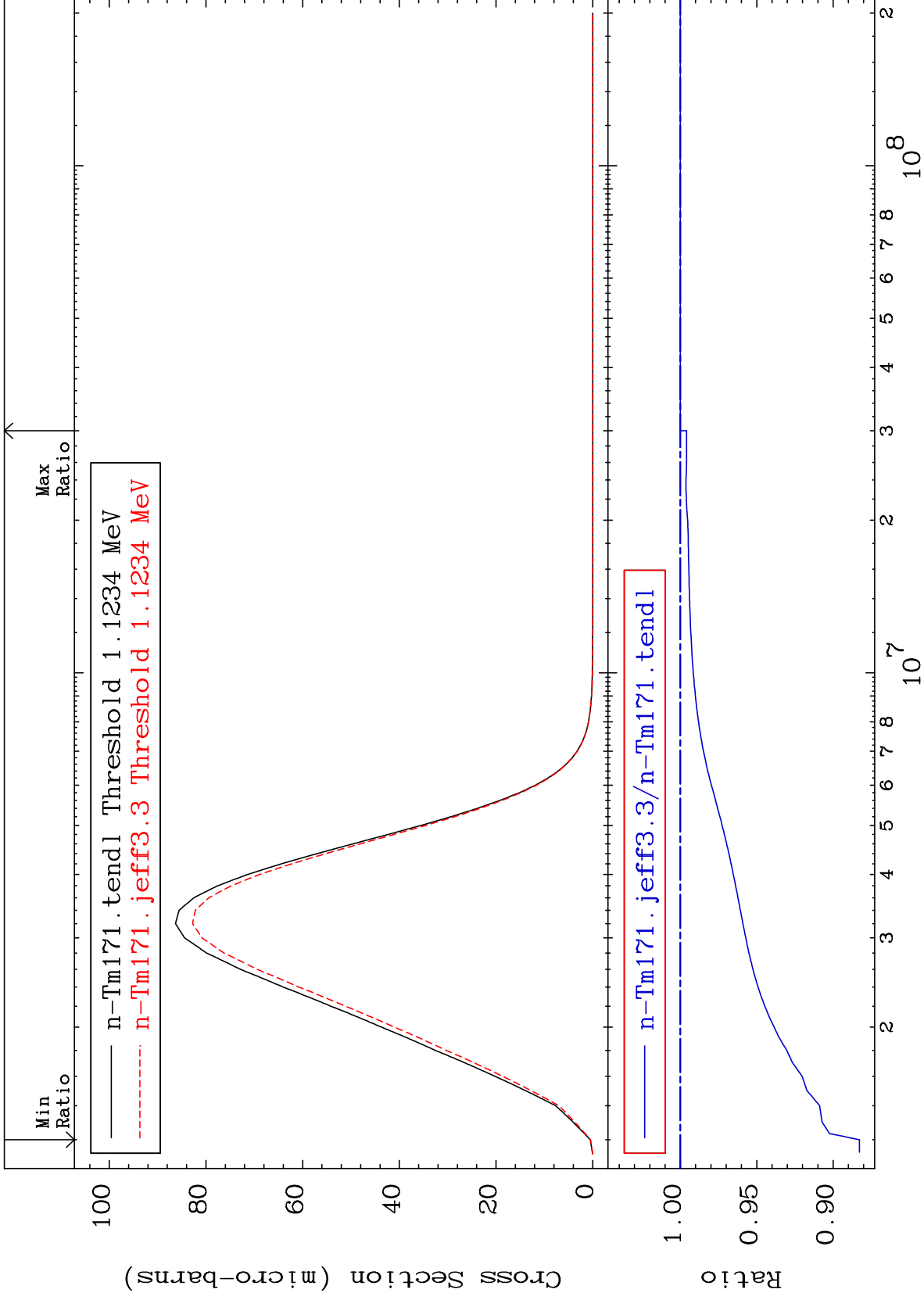
Incident Energy (eV)

69-Tm-171

MAT 6931

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

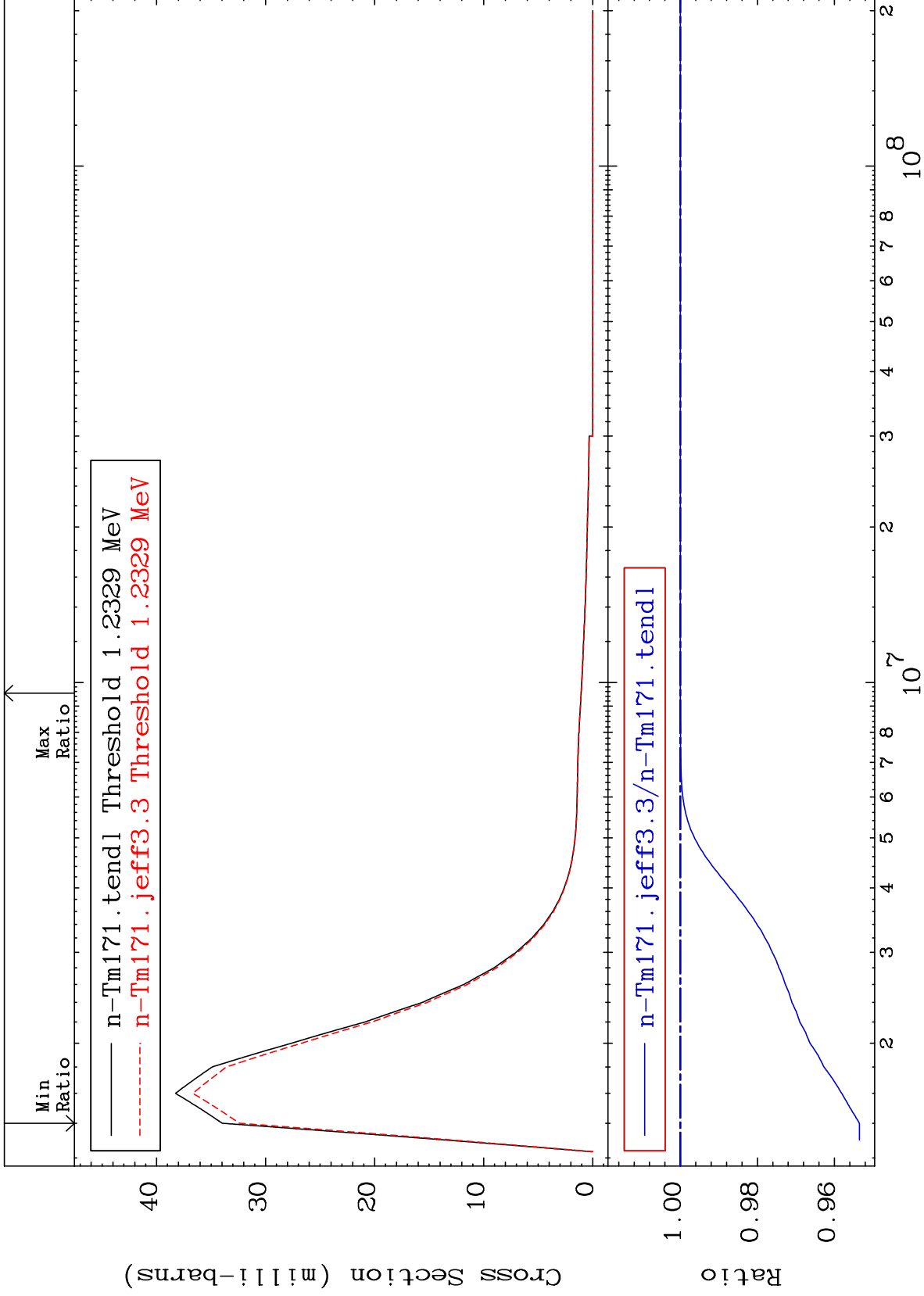
69-Tm-171
-11.72 To 0.000 %

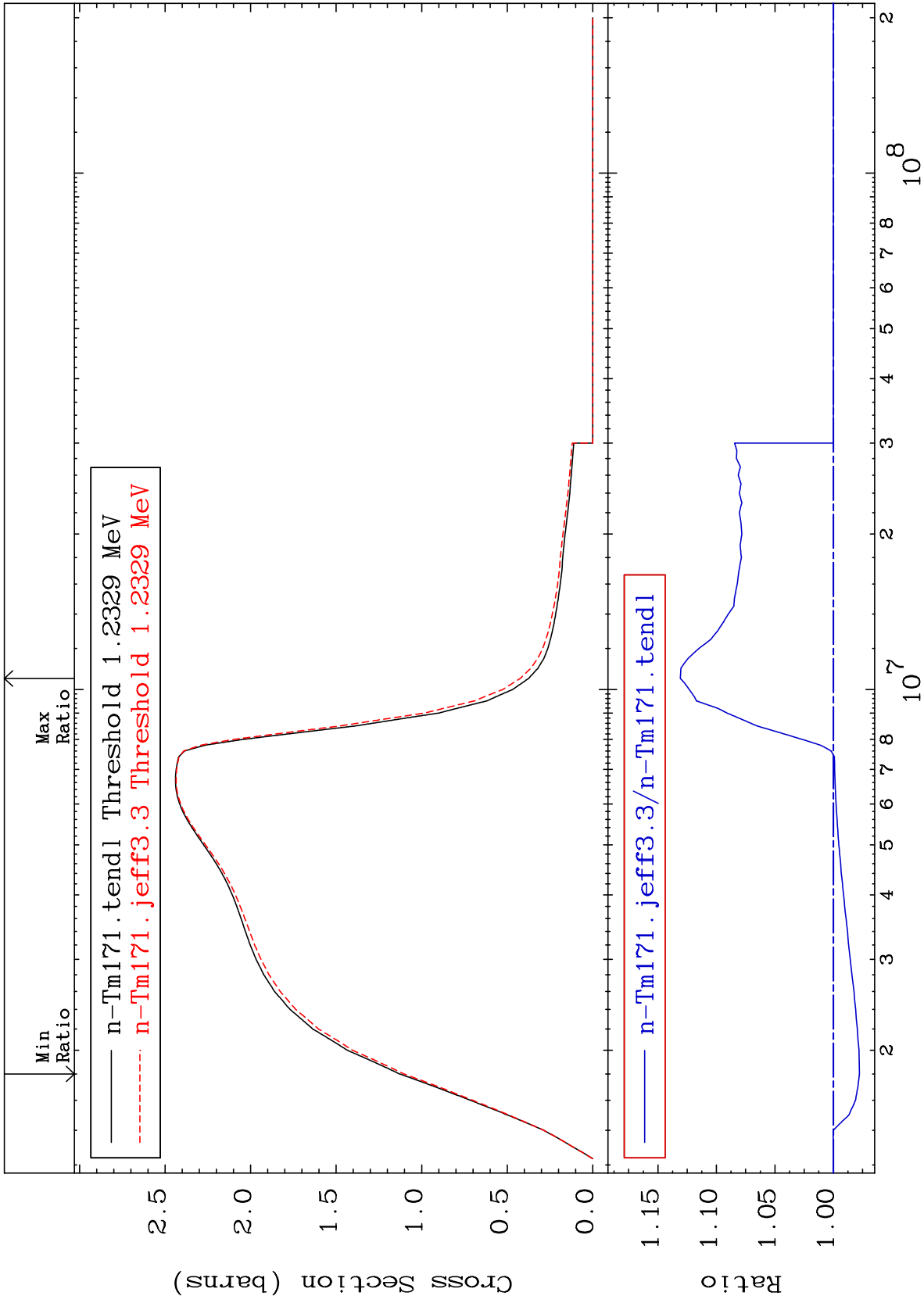


MAT 6931

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

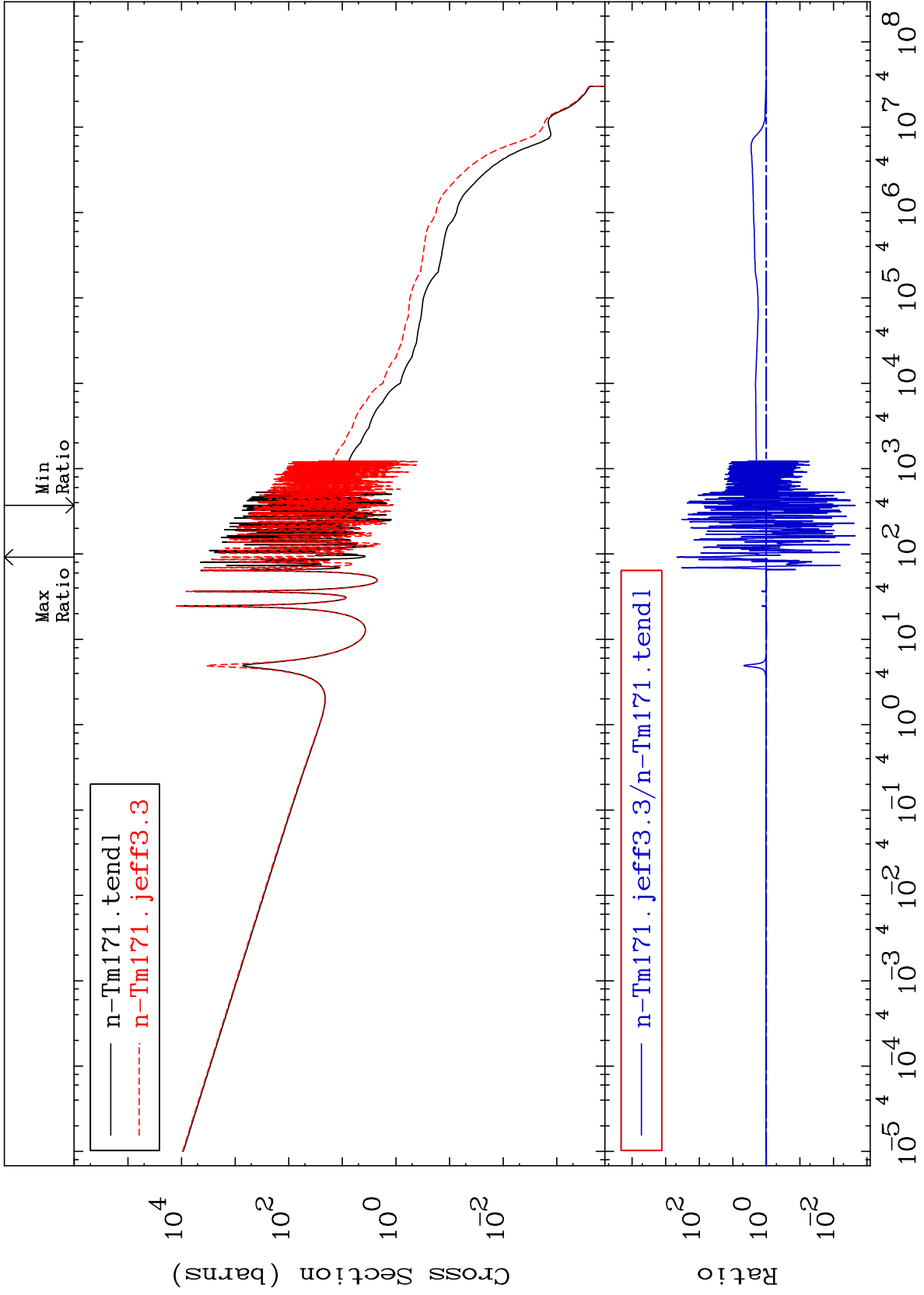
69-Tm-171
-4.649 To 0.000 %





MAT 6931

(n, γ)
Cross Section
69-Tm-171
-99.77 To 9999. %



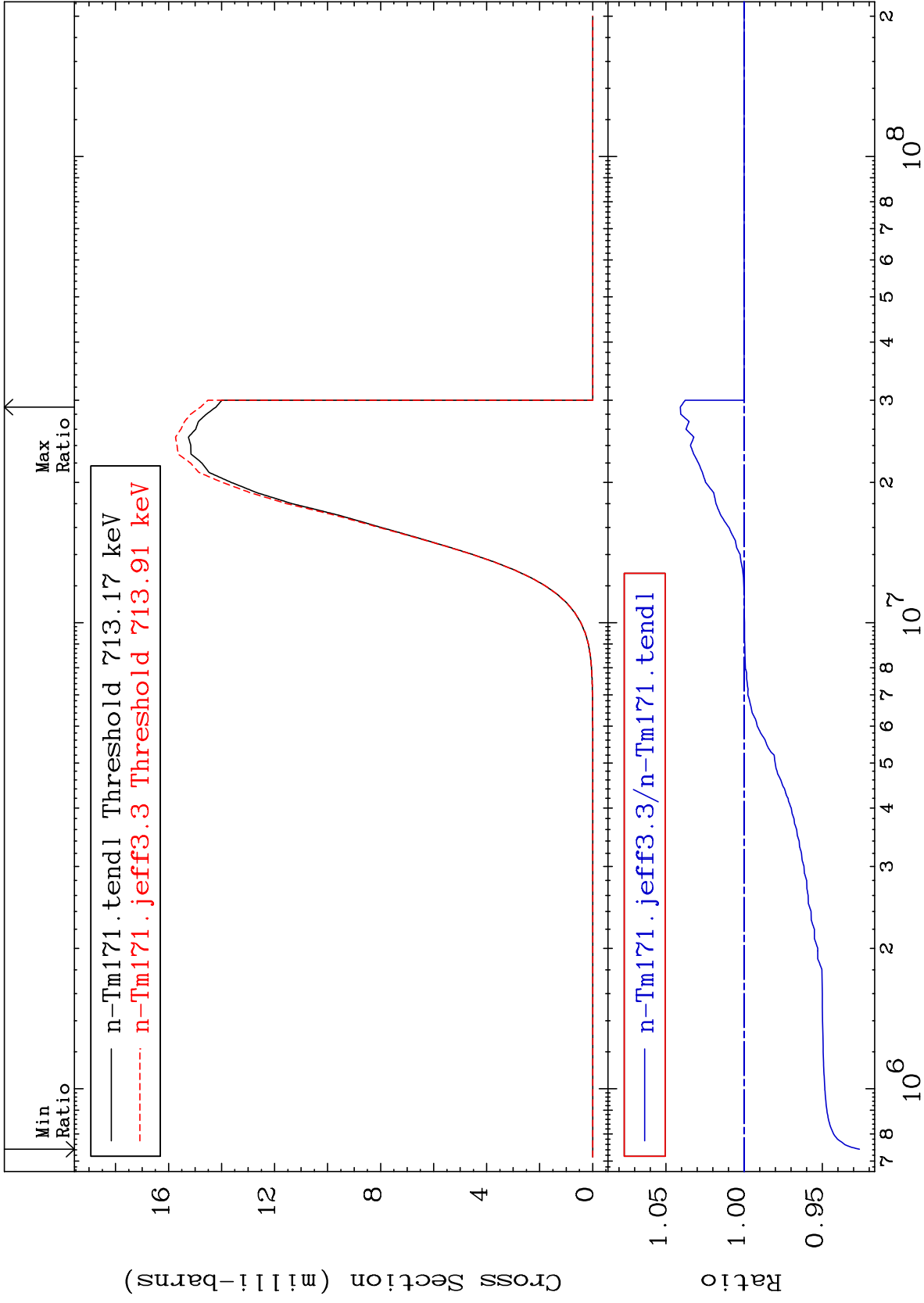
MAT 6931

(n,p)

69-Tm-171

Cross Section

-7.372 To 4.076 %



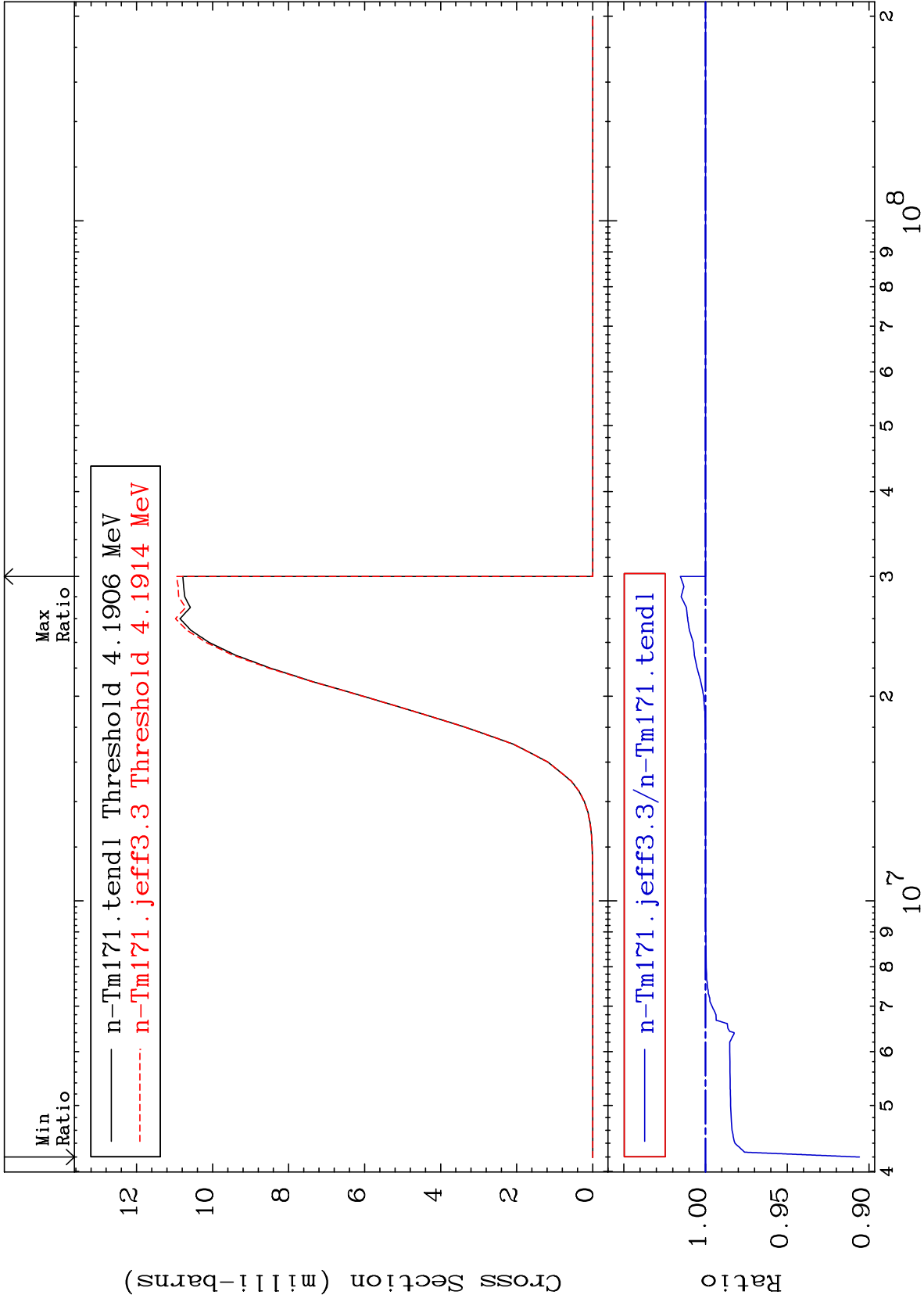
MAT 6931

(n, d)

69-Tm-171

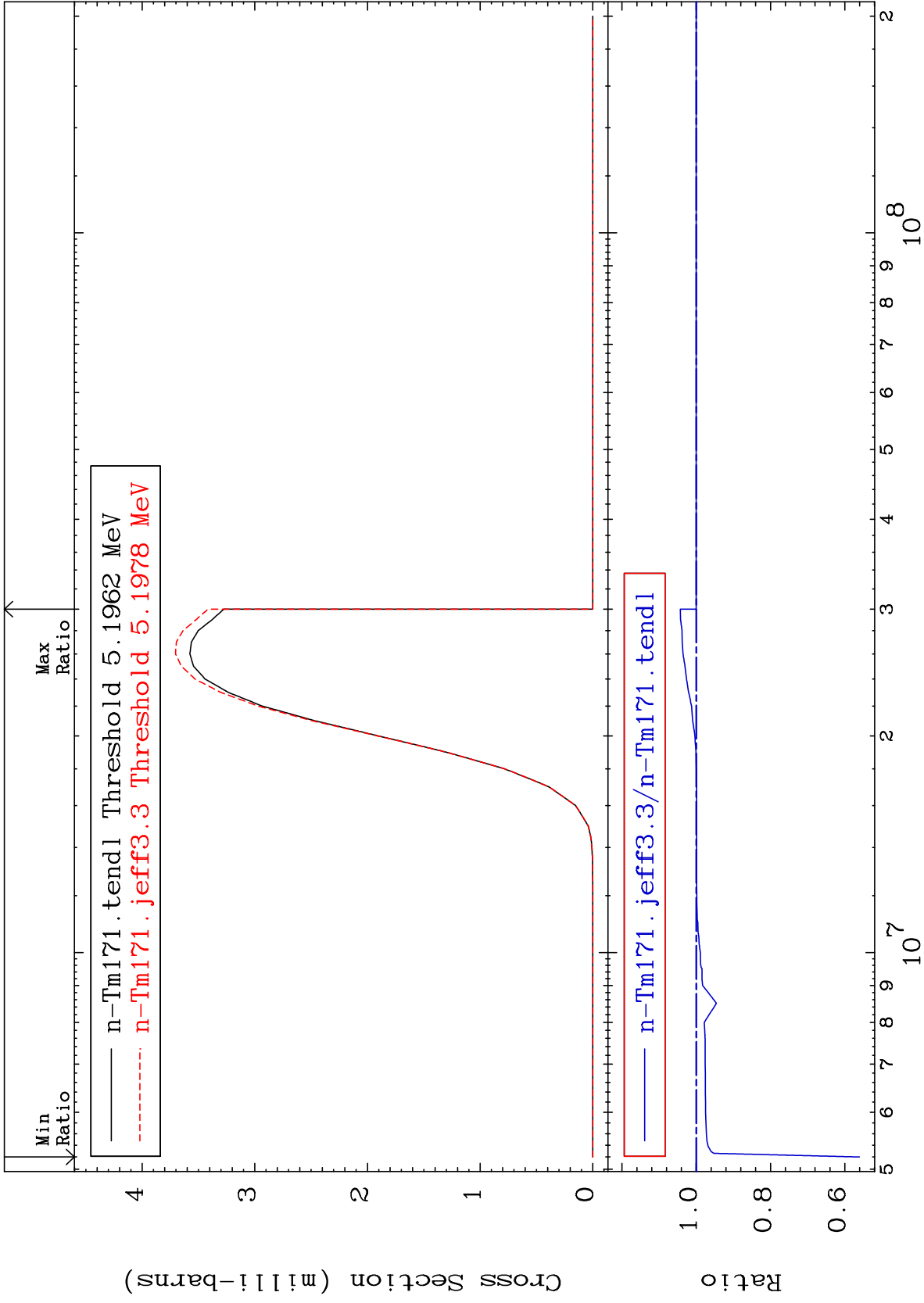
Cross Section

-9.414 To 1.536 %



MAT 6931

(n, t)
Cross Section
69-Tm-171
-43.94 To 4.282 %



54

Incident Energy (eV)

69-Tm-171

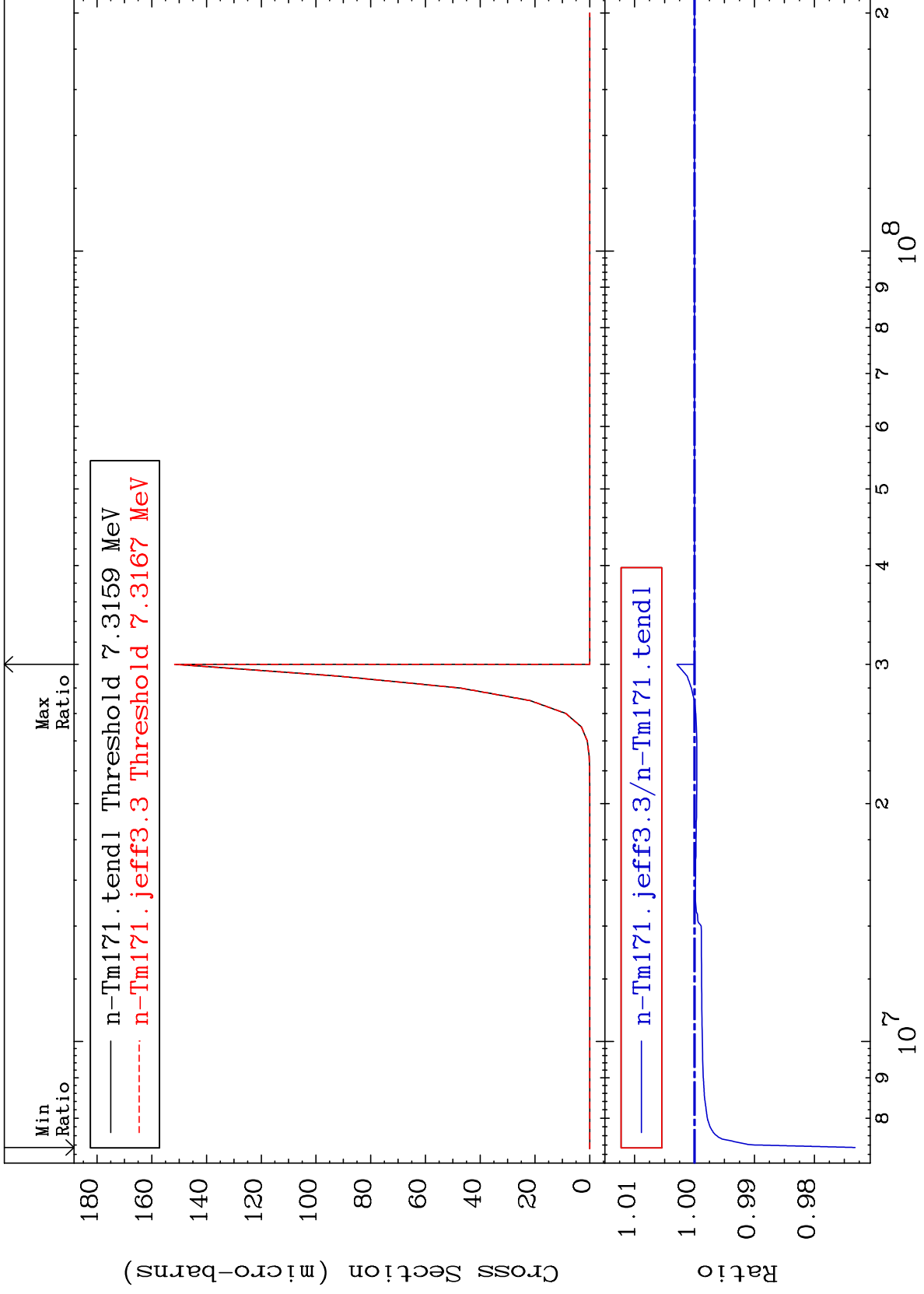
MAT 6931

(n, He-3)

69-Tm-171

Cross Section

-2.680 To 0.294 %



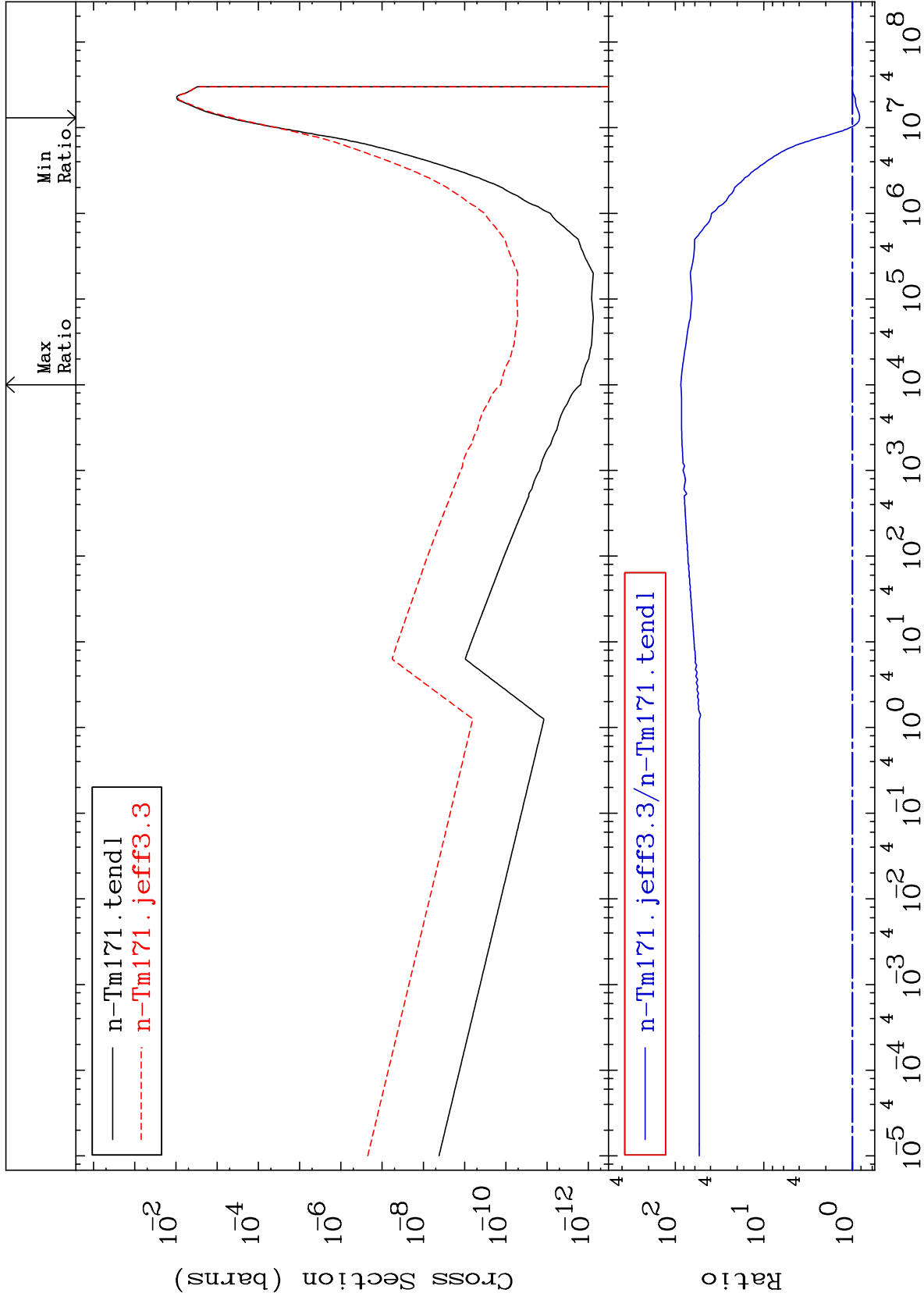
MAT 6931

(n, α)

69-Tm-171

Cross Section

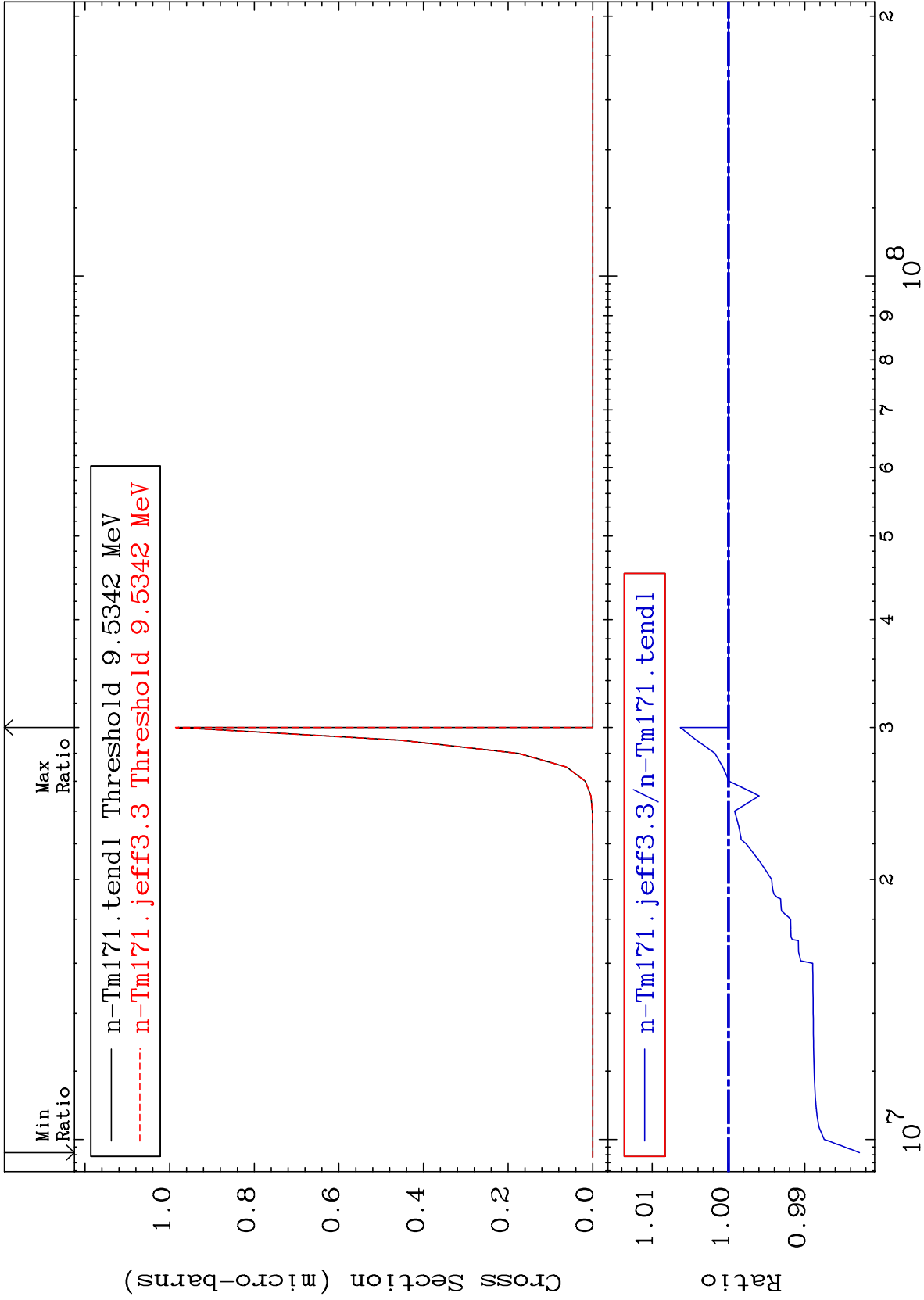
-16.74 To 8568. %



56

Incident Energy (eV)

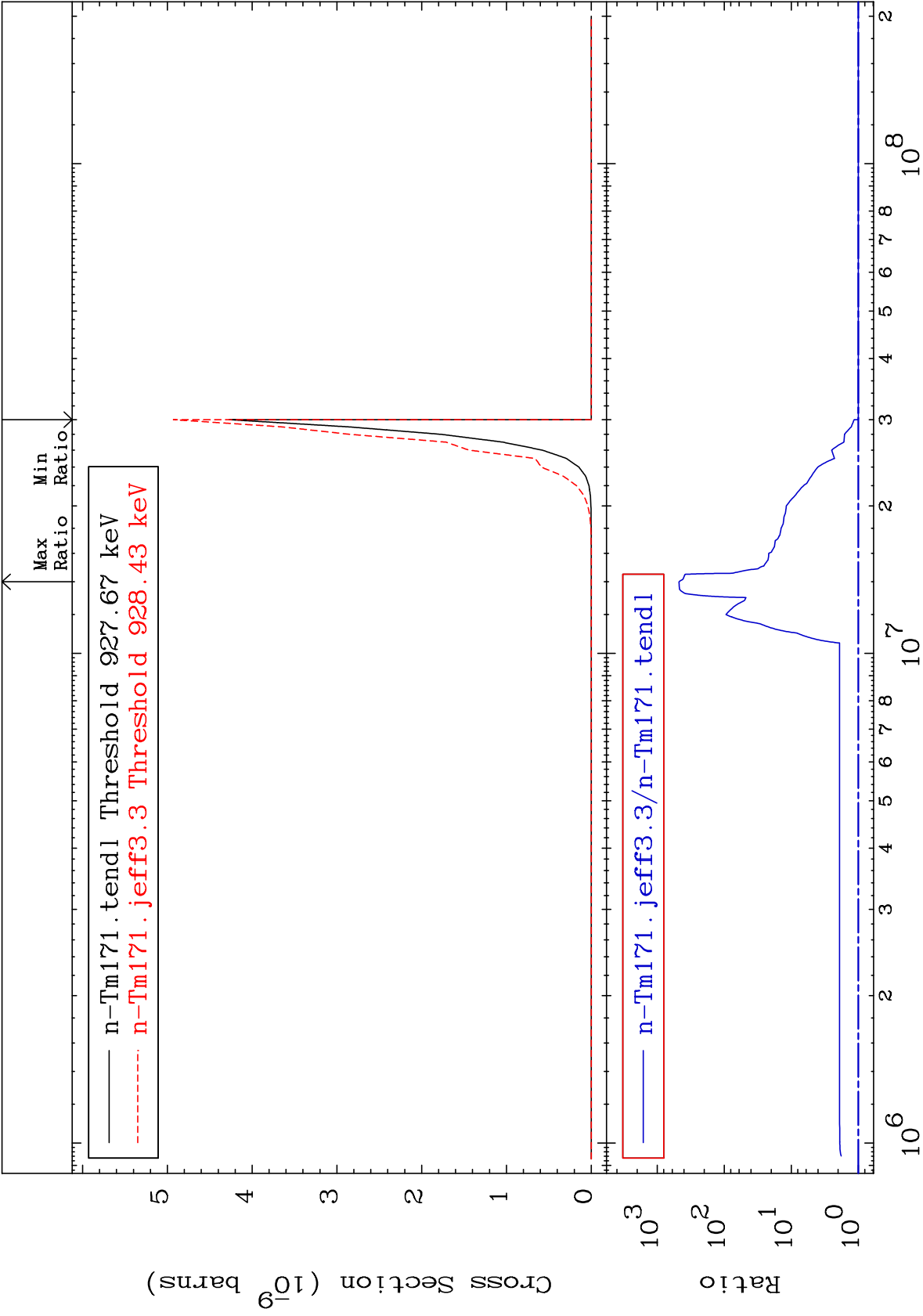
69-Tm-171



MAT 6931

(n, p) α
Cross Section

69-Tm-171
To 9999. %



59

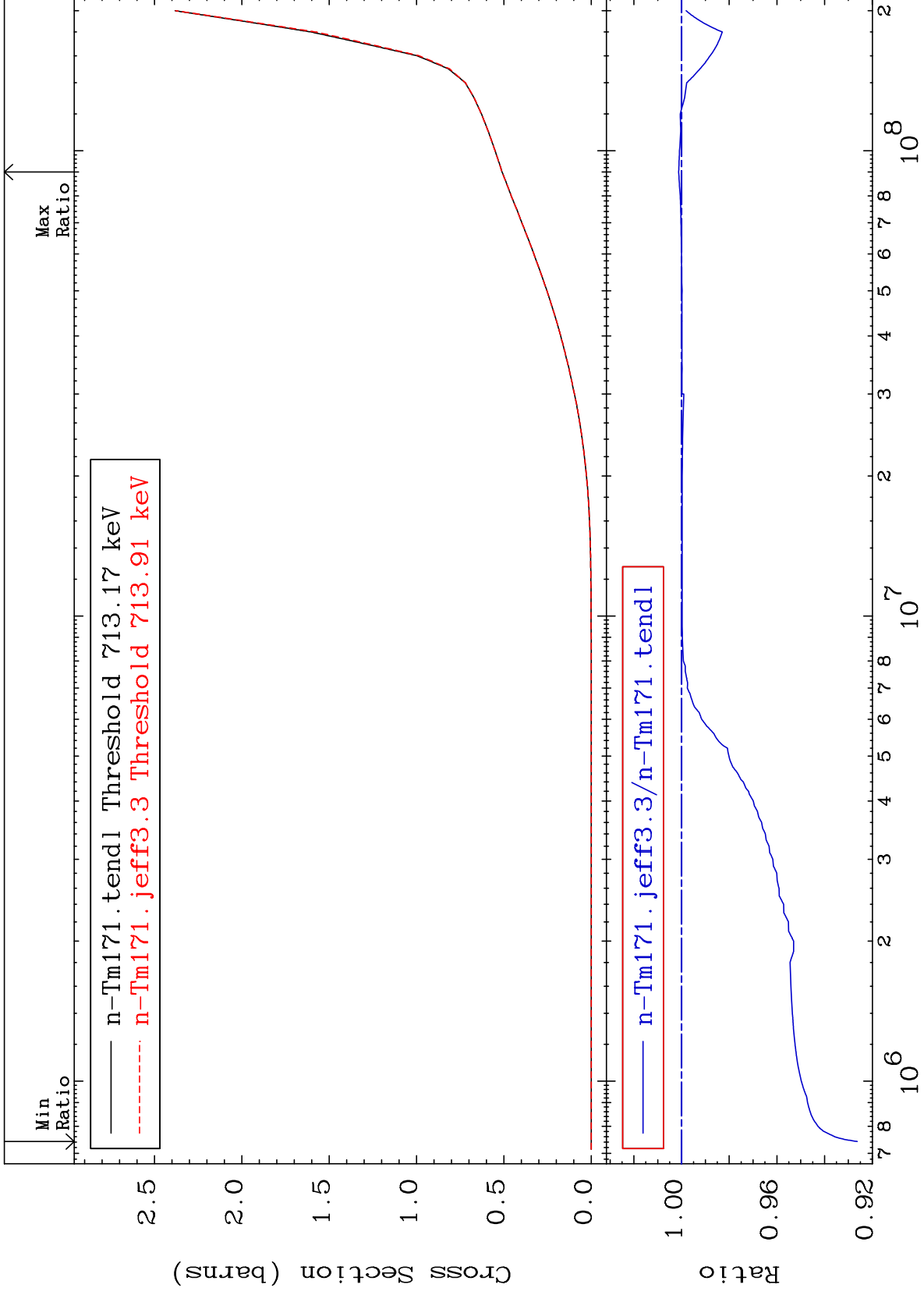
Incident Energy (eV)

69-Tm-171

MAT 6931

Hydrogen Production
Cross Section

69-Tm-171
-7.372 To 0.123 %



60

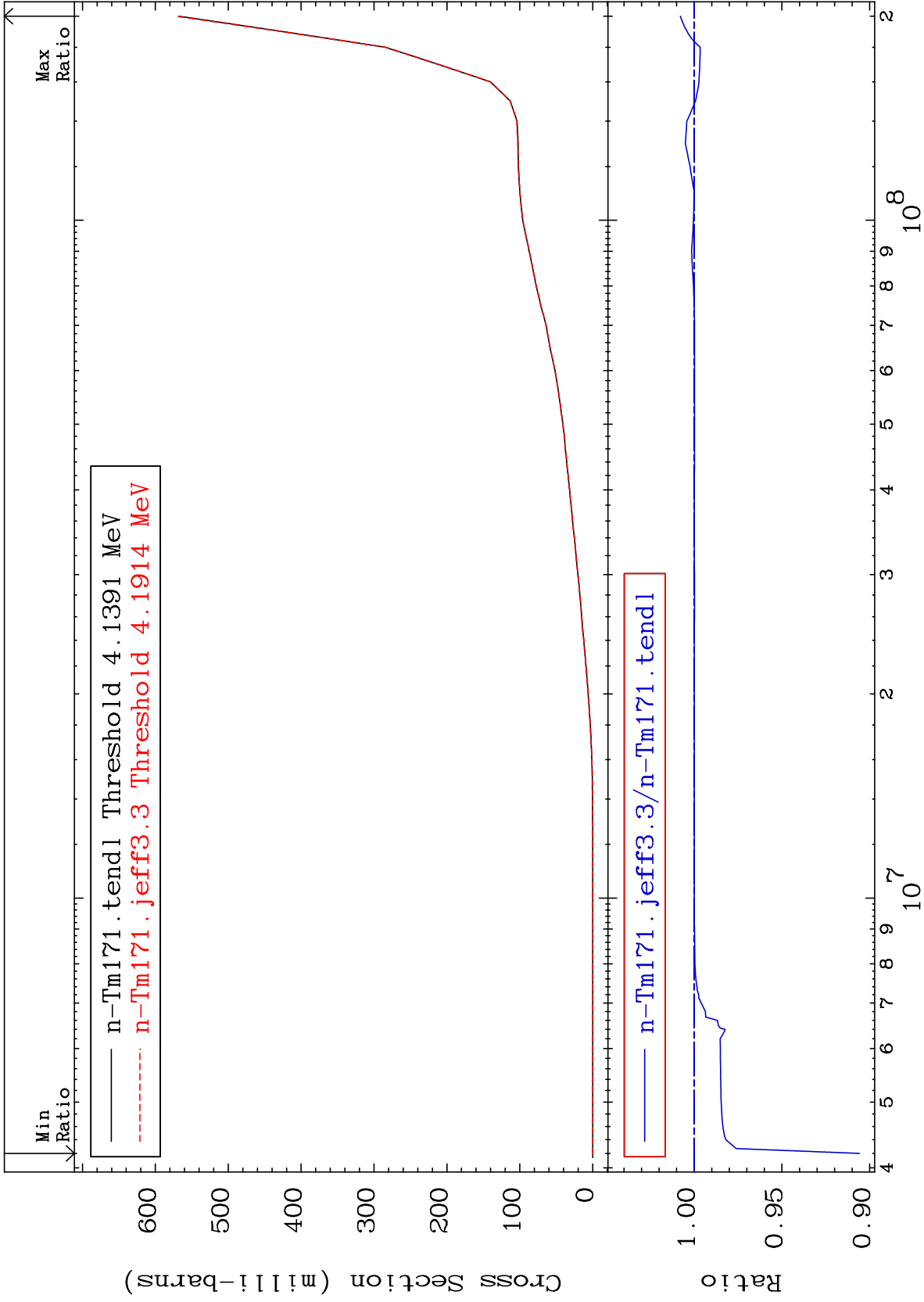
Incident Energy (eV)

69-Tm-171

MAT 6931

Deuterium Production
Cross Section

69-Tm-171
-9.414 To 0.788 %



61

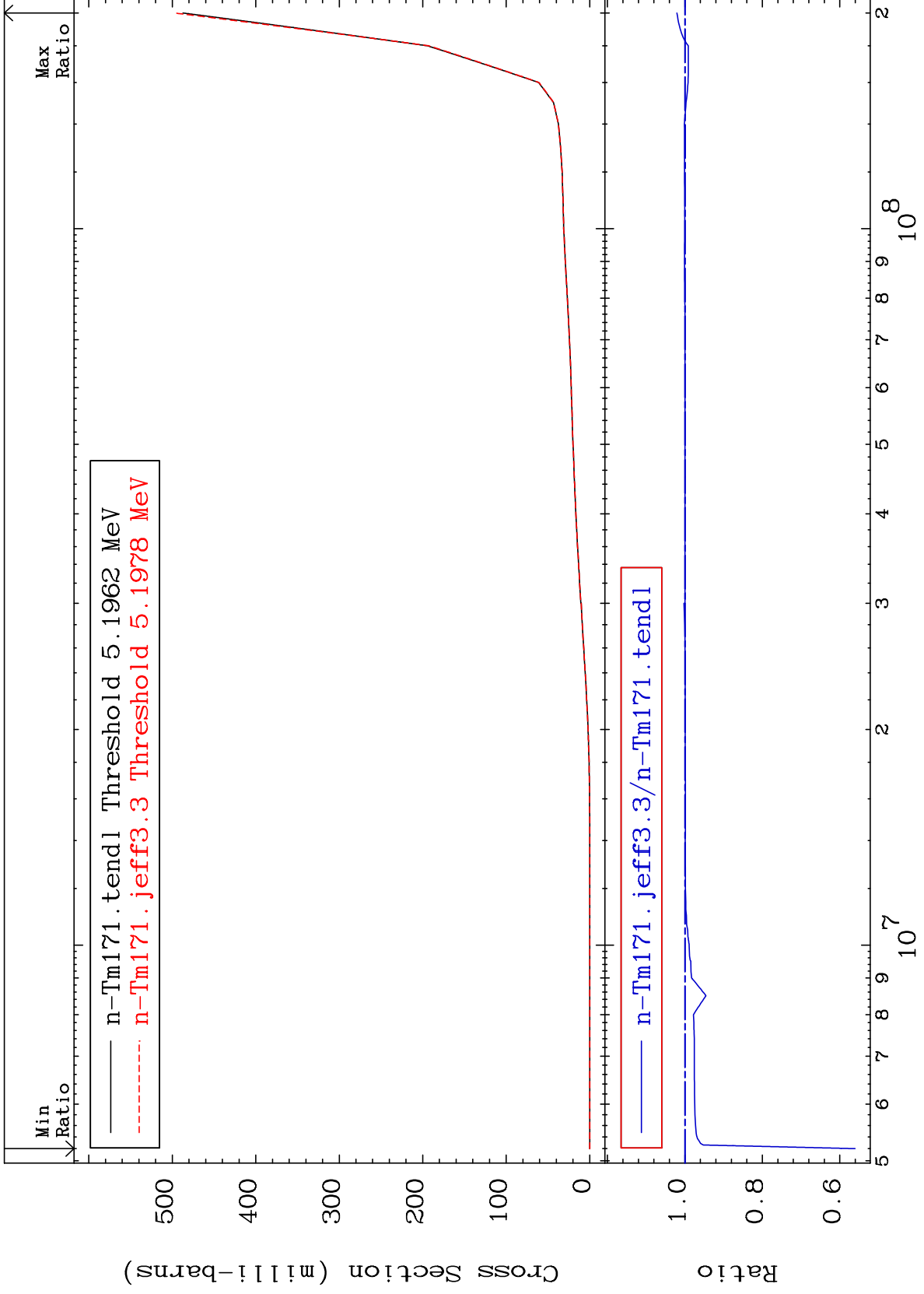
Incident Energy (eV)

69-Tm-171

MAT 6931

Tritium Production
Cross Section

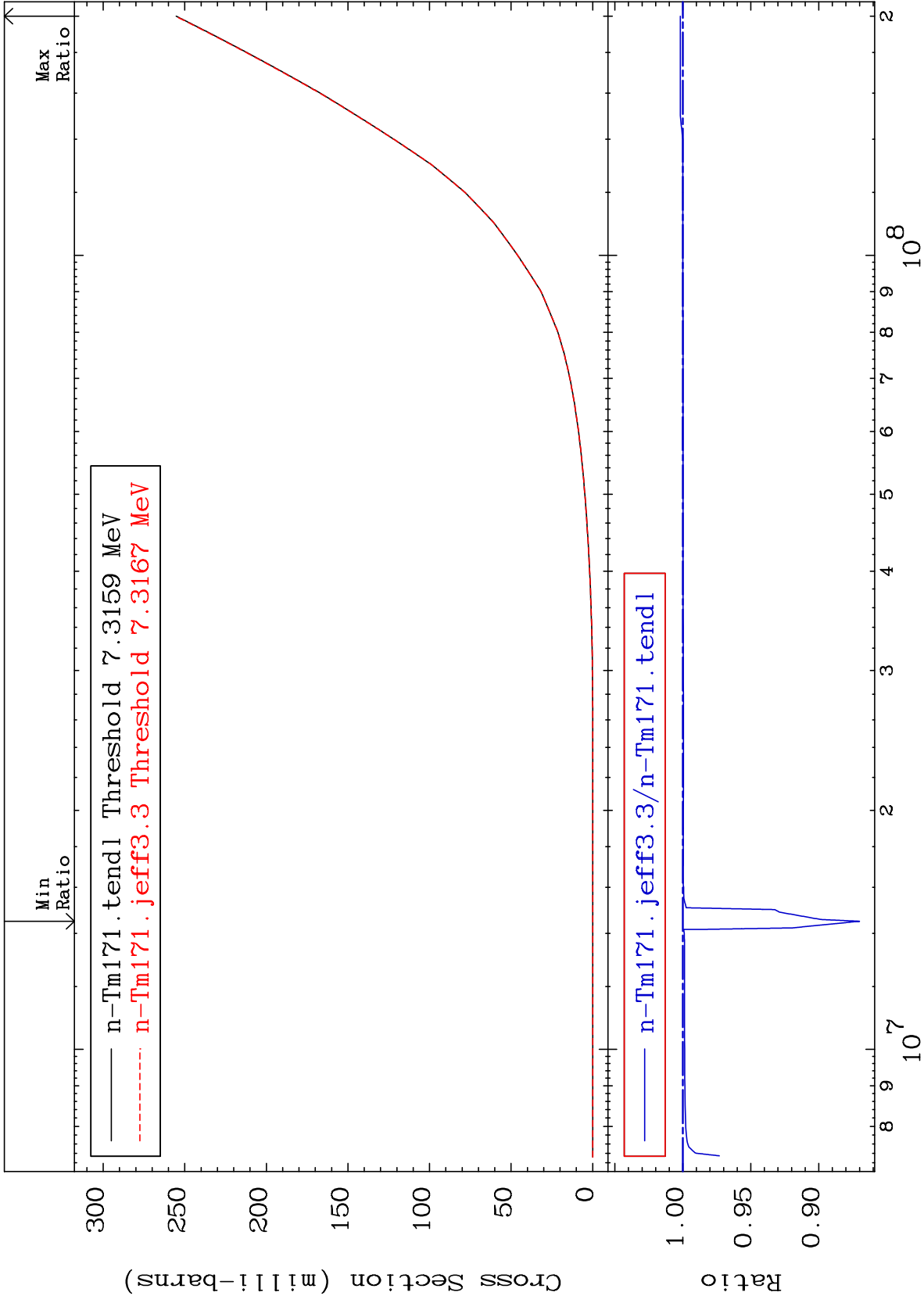
69-Tm-171
-43.94 To 2.067 %



MAT 6931

He-3 Production
Cross Section

69-Tm-171
-12.99 To 0.183 %



63

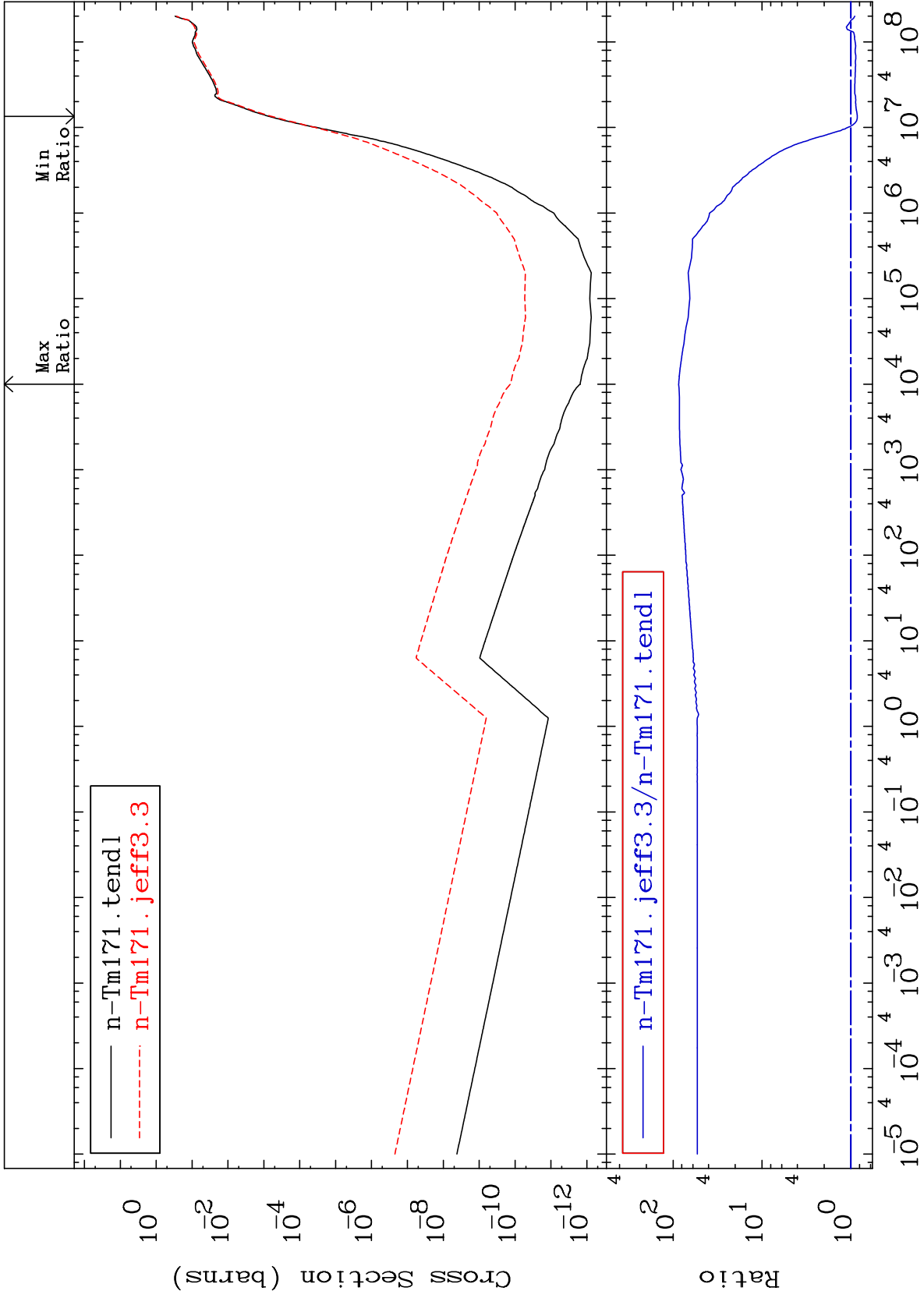
Incident Energy (eV)

69-Tm-171

MAT 6931

He-4 Production
Cross Section

69-Tm-171
-15.16 To 8568. %



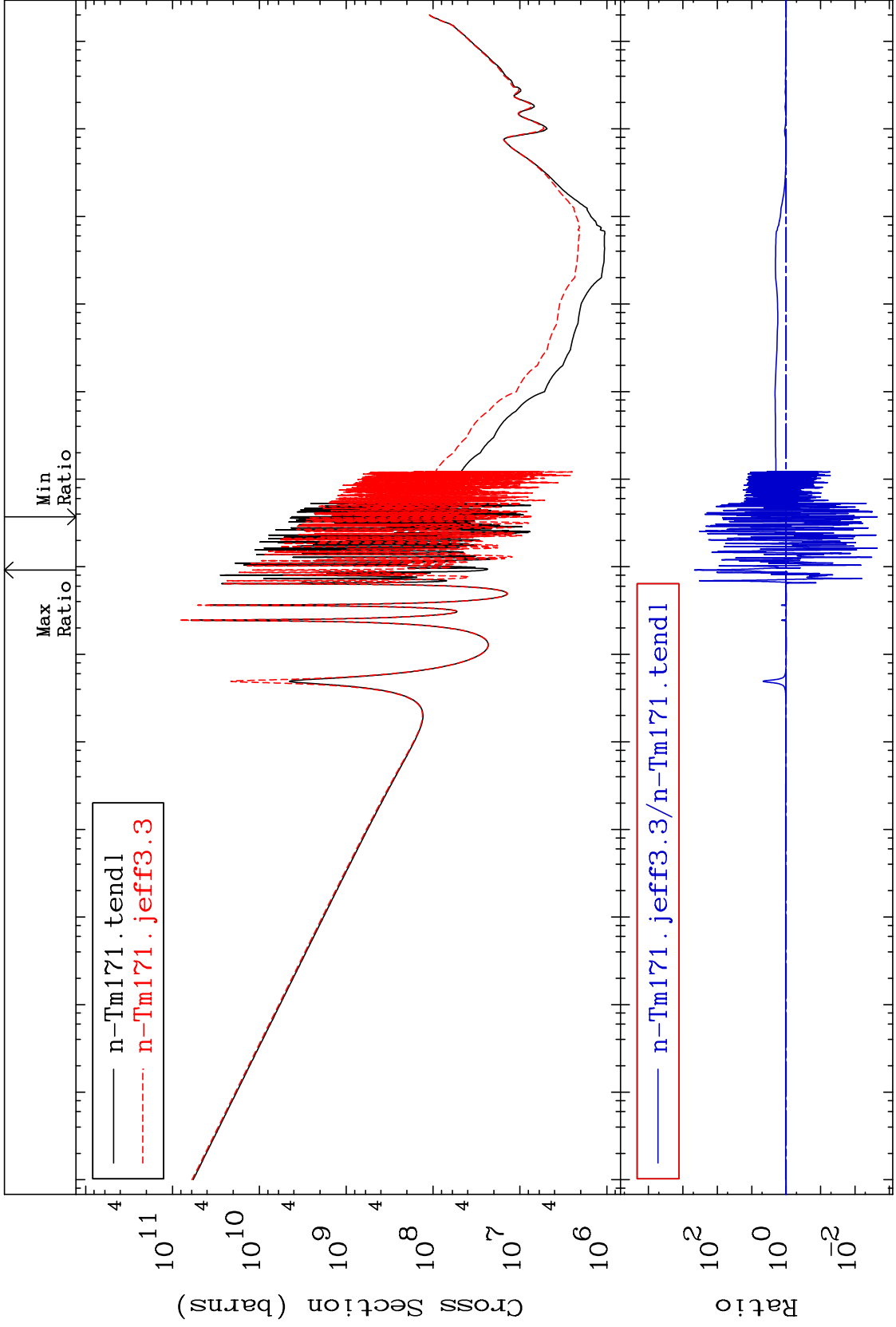
MAT 6931

Kerma total (eV-barns)

69-Tm-171

-99.77 To 9999. %

Cross Section



65

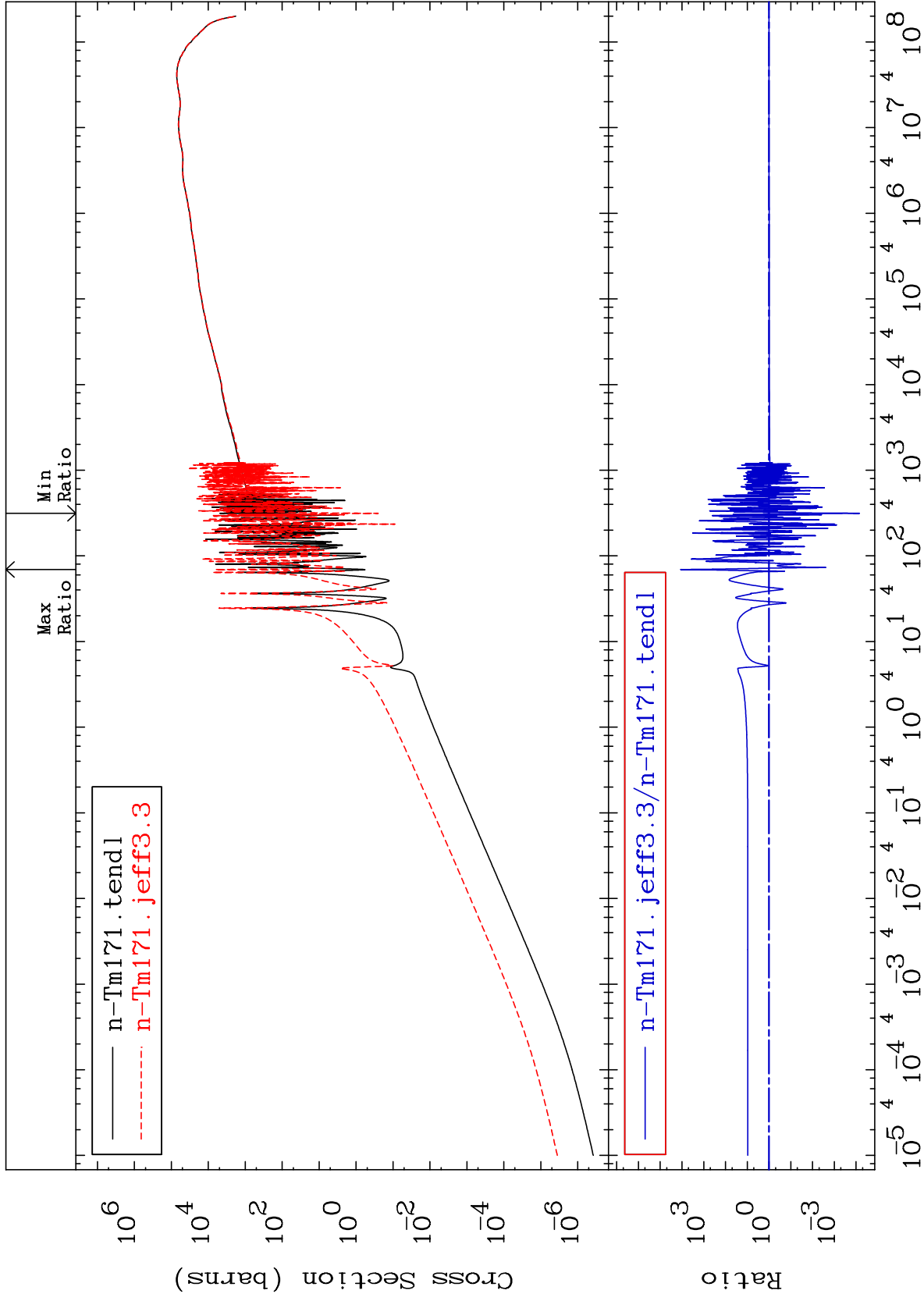
Incident Energy (eV)

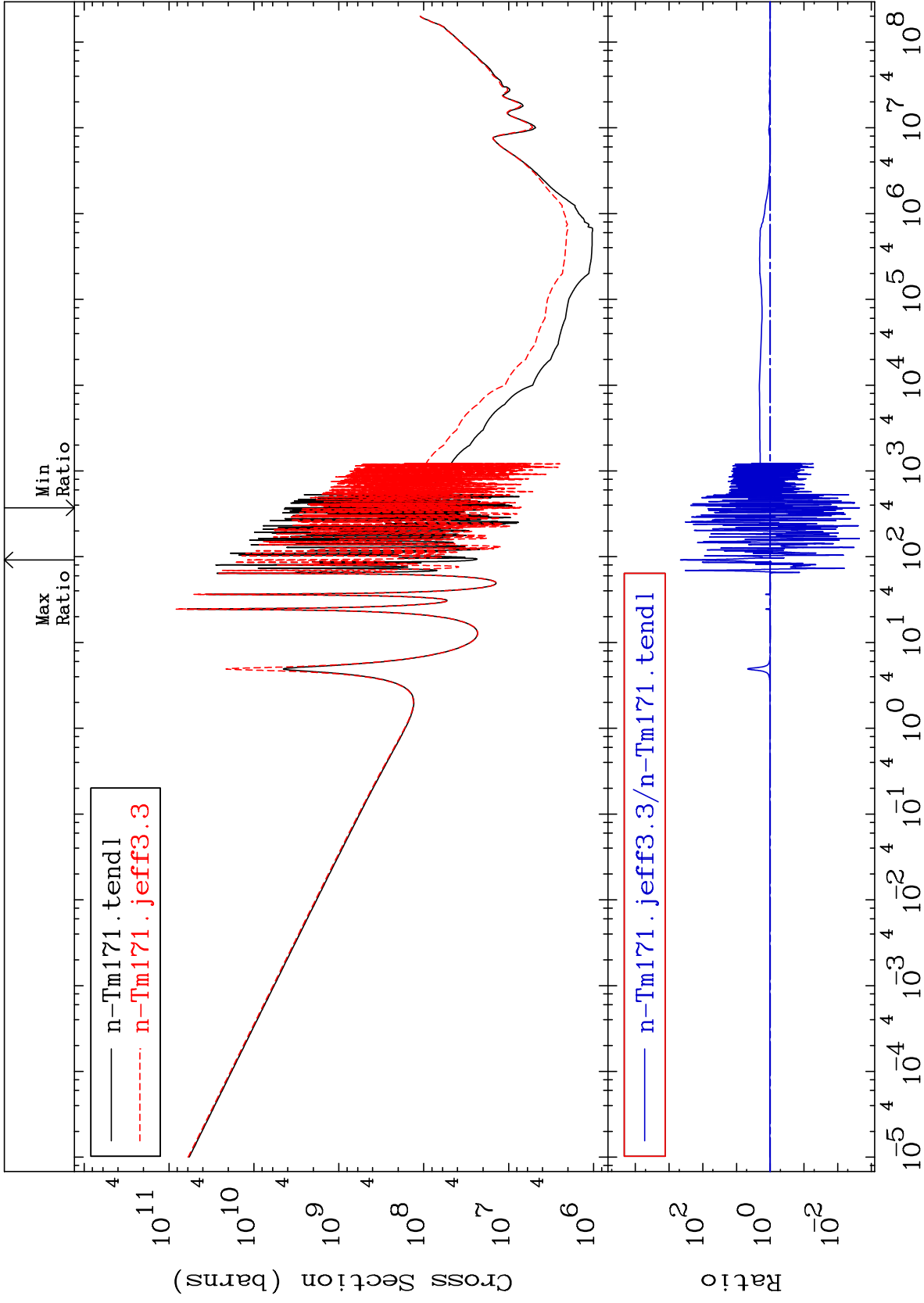
69-Tm-171

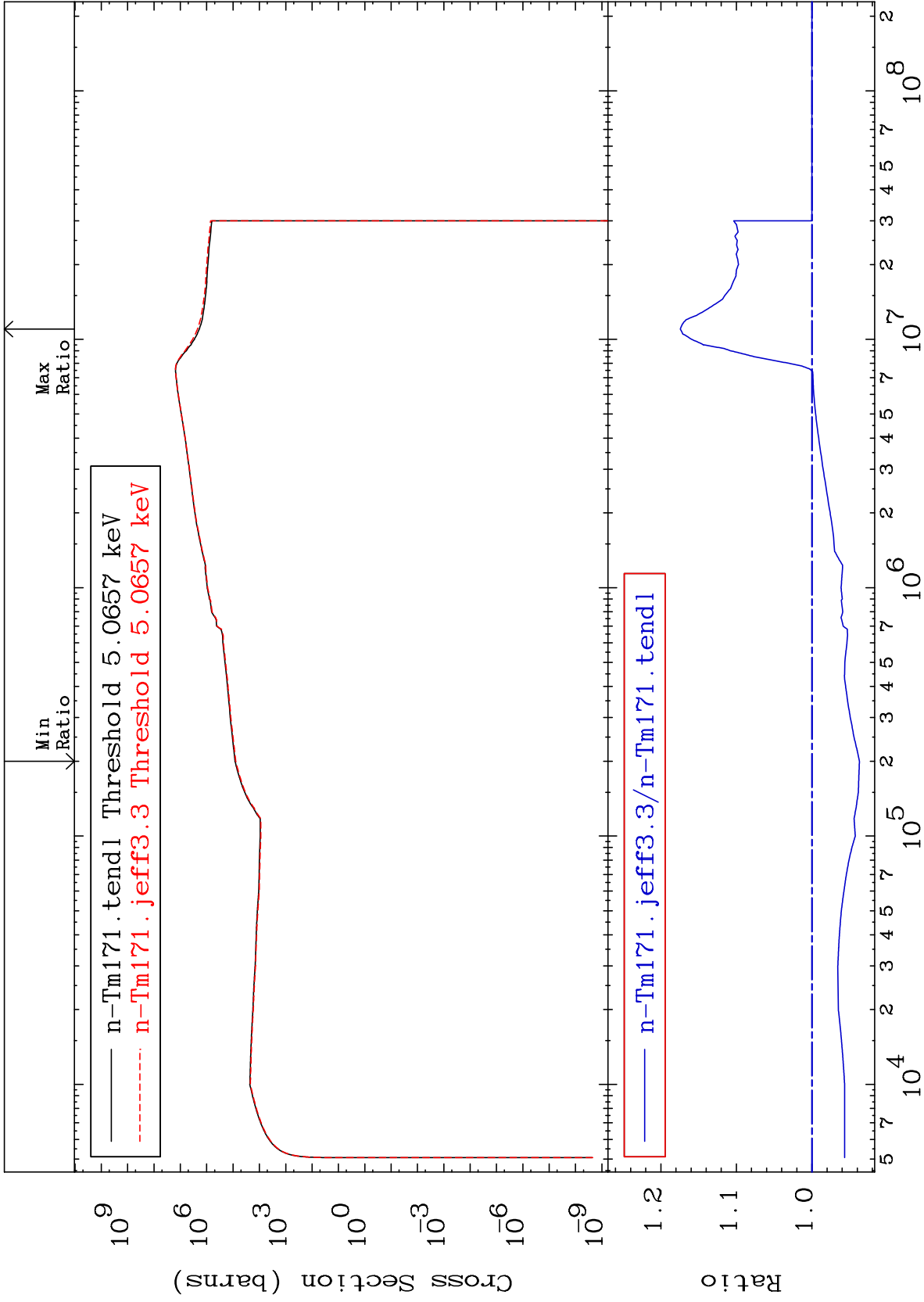
MAT 6931

Kerma elastic
Cross Section

69-Tm-171
-99.99 To 9999. %



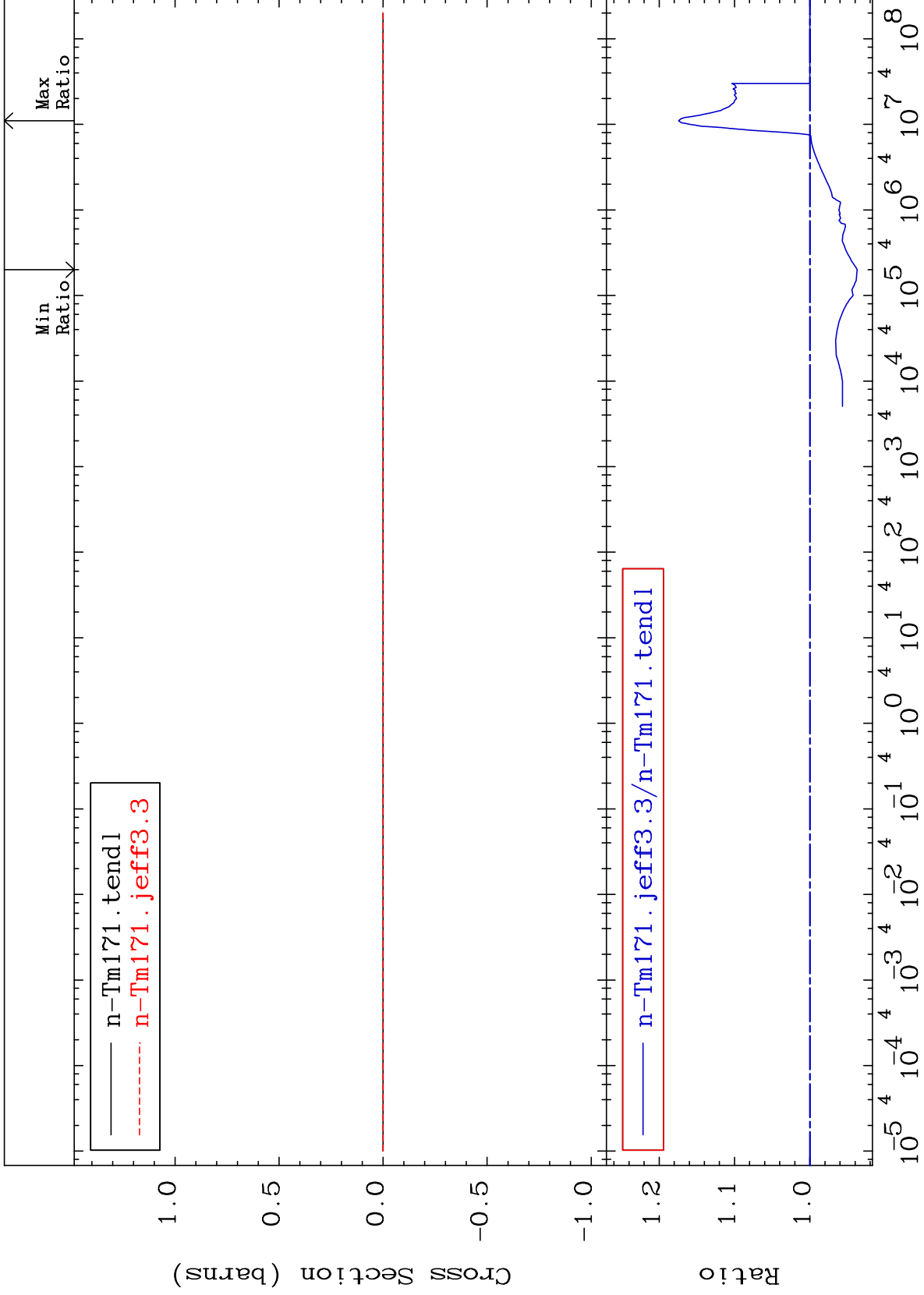




MAT 6931

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

69-Tm-171
-6.288 To 17.42 %



69

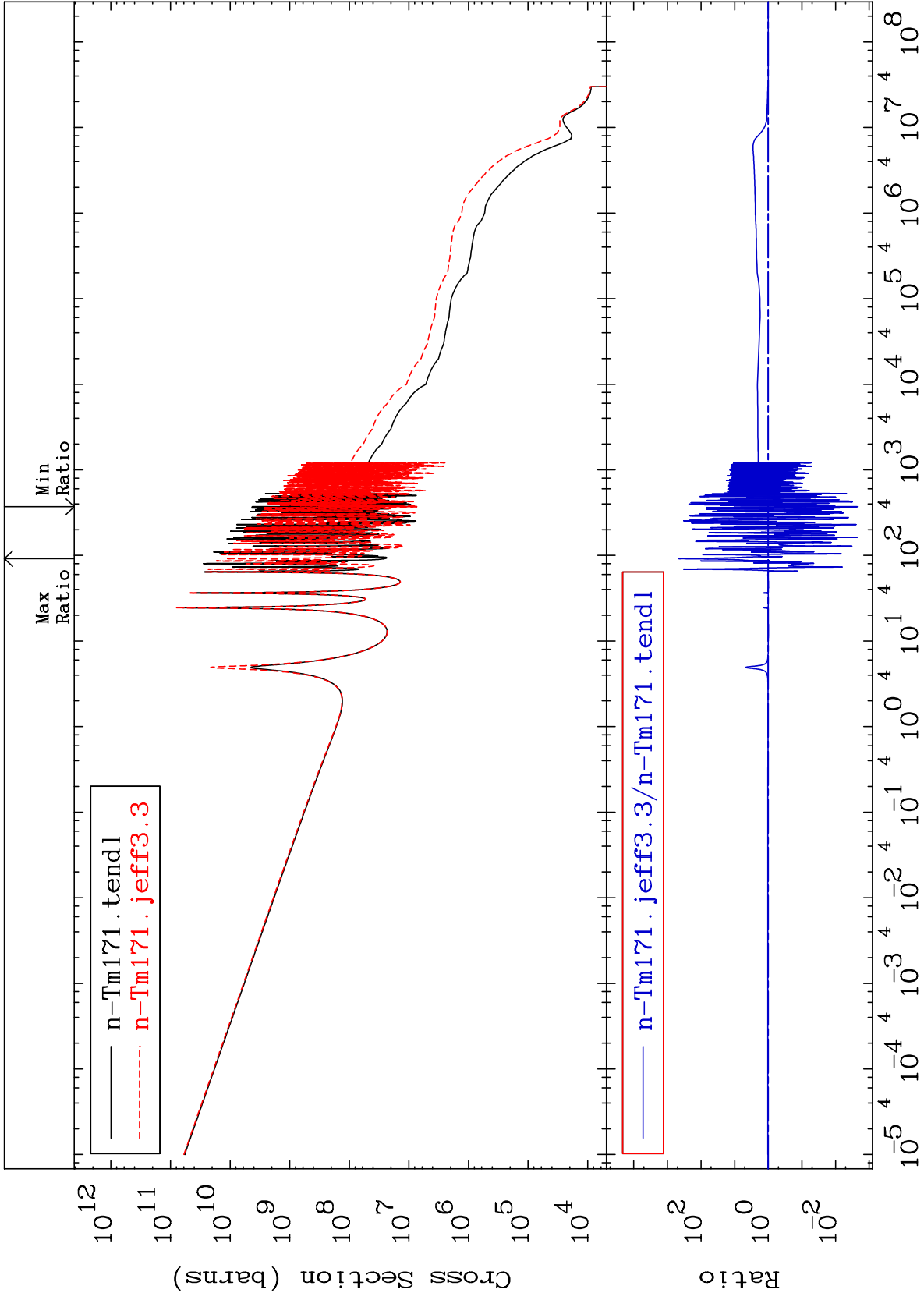
Incident Energy (eV)

69-Tm-171

MAT 6931

Kerma capture (mt102)
Cross Section

69-Tm-171
-99.77 To 9999. %



70

Incident Energy (eV)

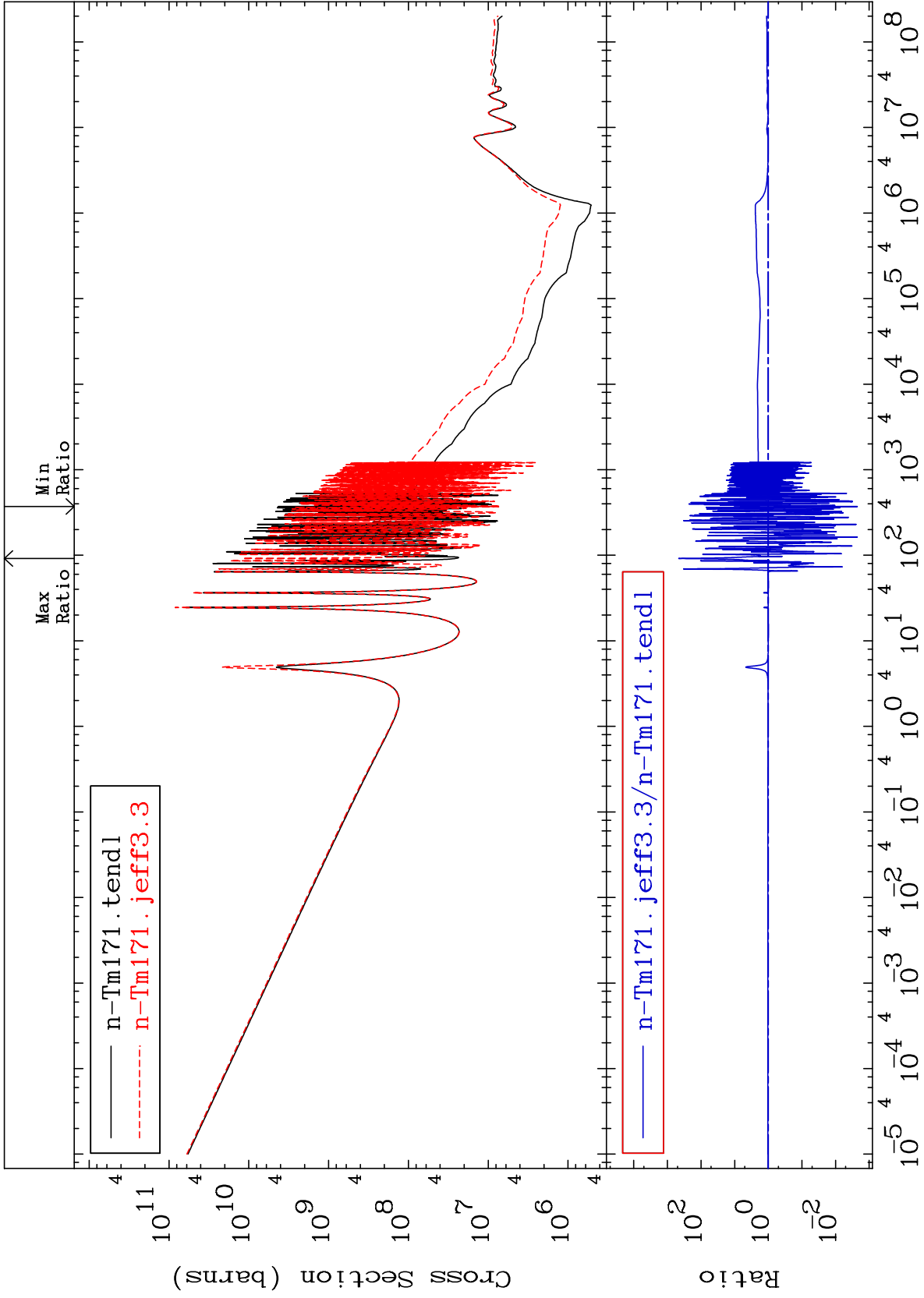
69-Tm-171

MAT 6931

Total photon (eV-barns)

69-Tm-171

-99.77 To 9999. %



71

69-Tm-171

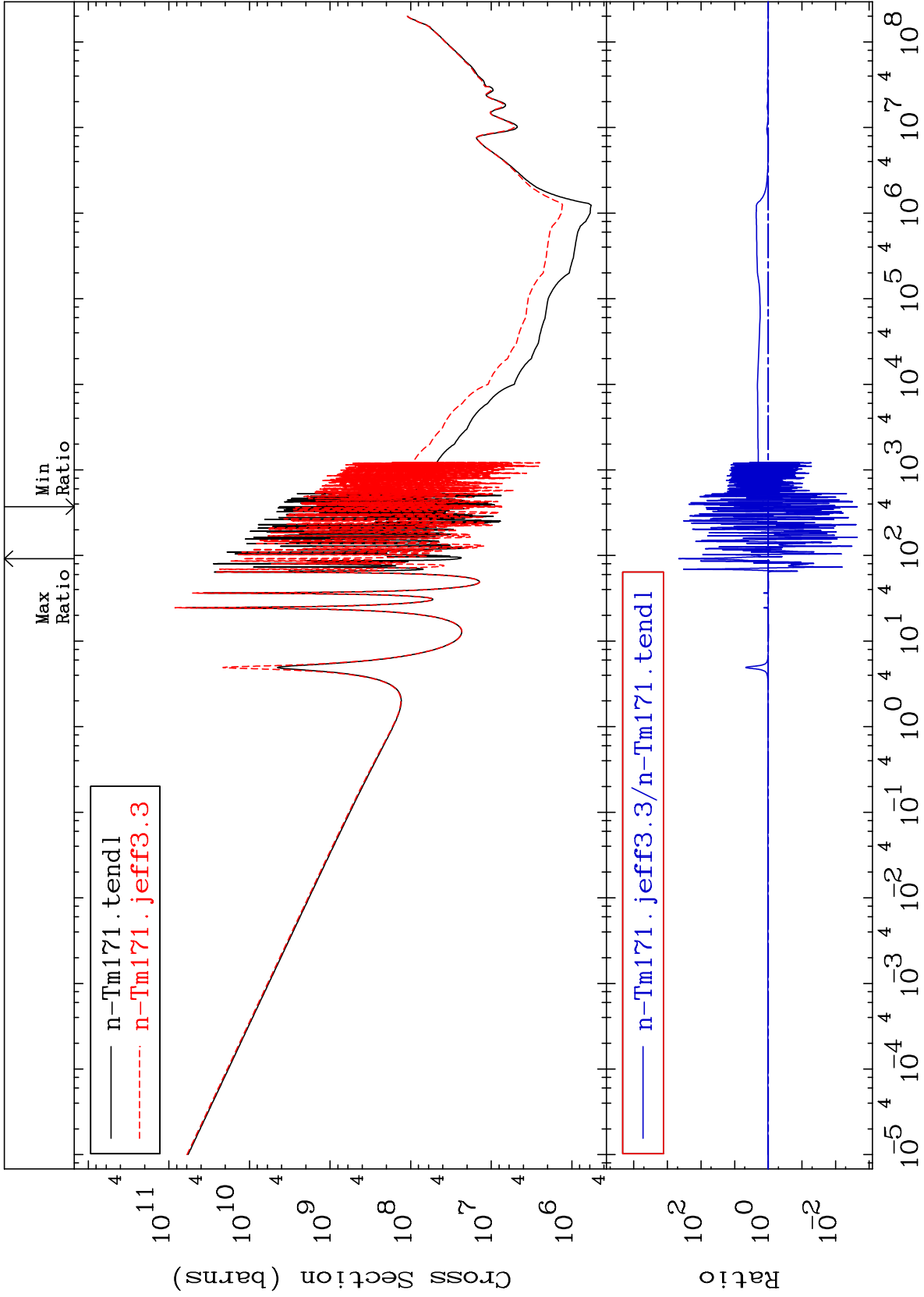
MAT 6931

Total kinematic kerma (high limit)

69-Tm-171

-99.77 To 9999. %

Cross Section



72

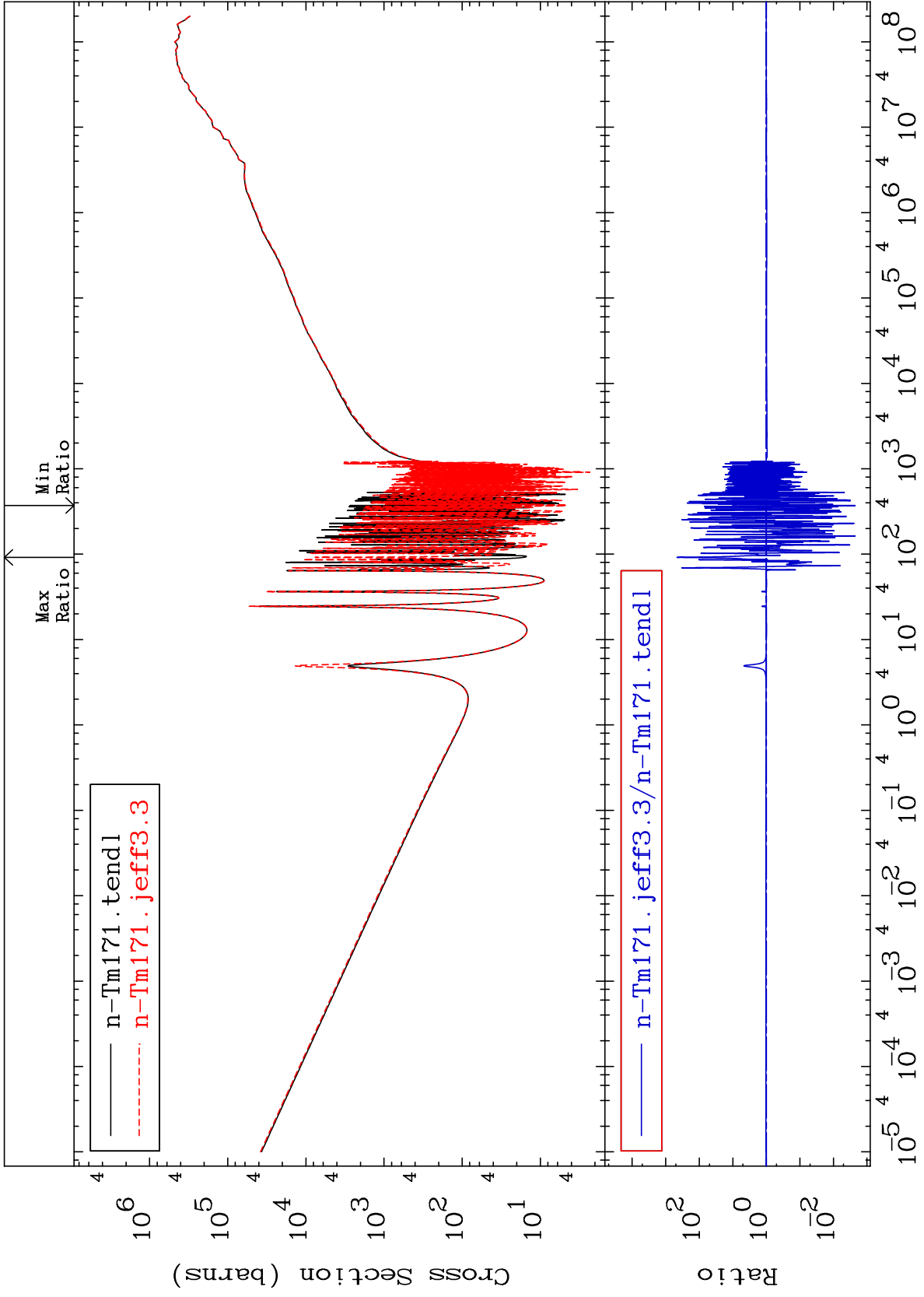
Incident Energy (eV)

69-Tm-171

MAT 6931

Dpa total (eV-barns)
Cross Section

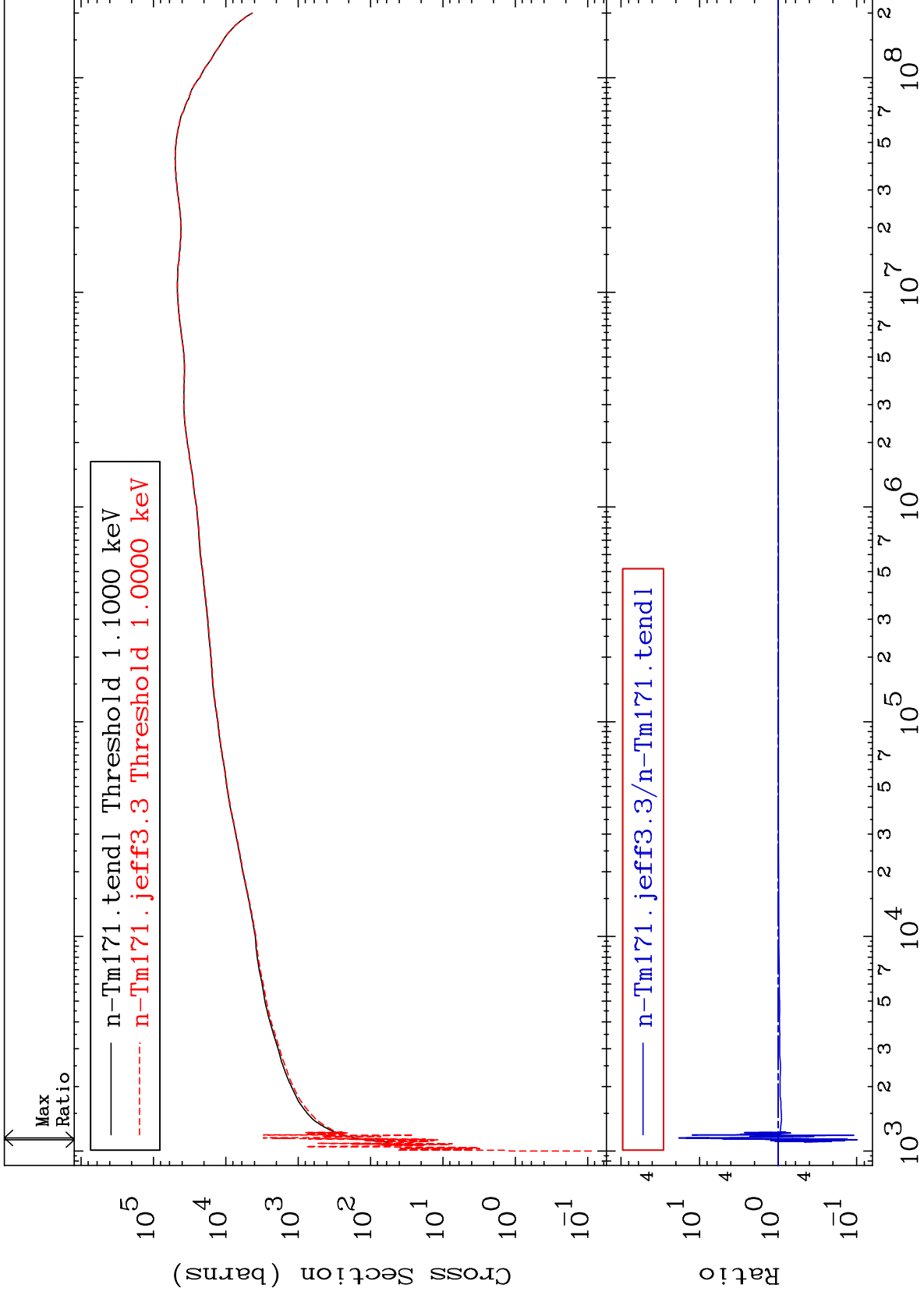
69-Tm-171
-99.77 To 9999. %



MAT 6931

Dpa elastic (mt2)
Cross Section

69-Tm-171
-90.18 To 1744. %



74

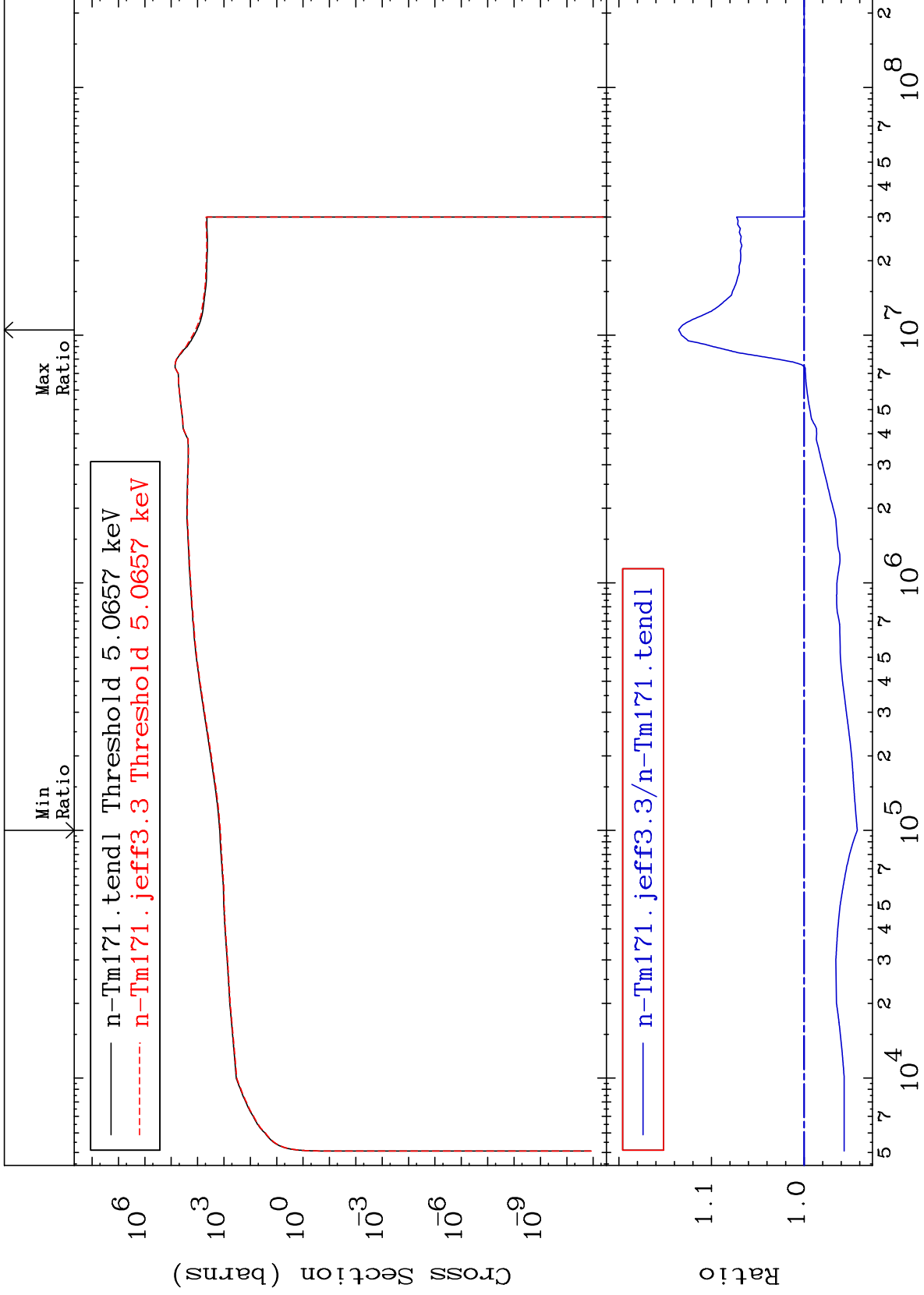
Incident Energy (eV)

69-Tm-171

MAT 6931

Dpa inelastic (mt51-91)
Cross Section

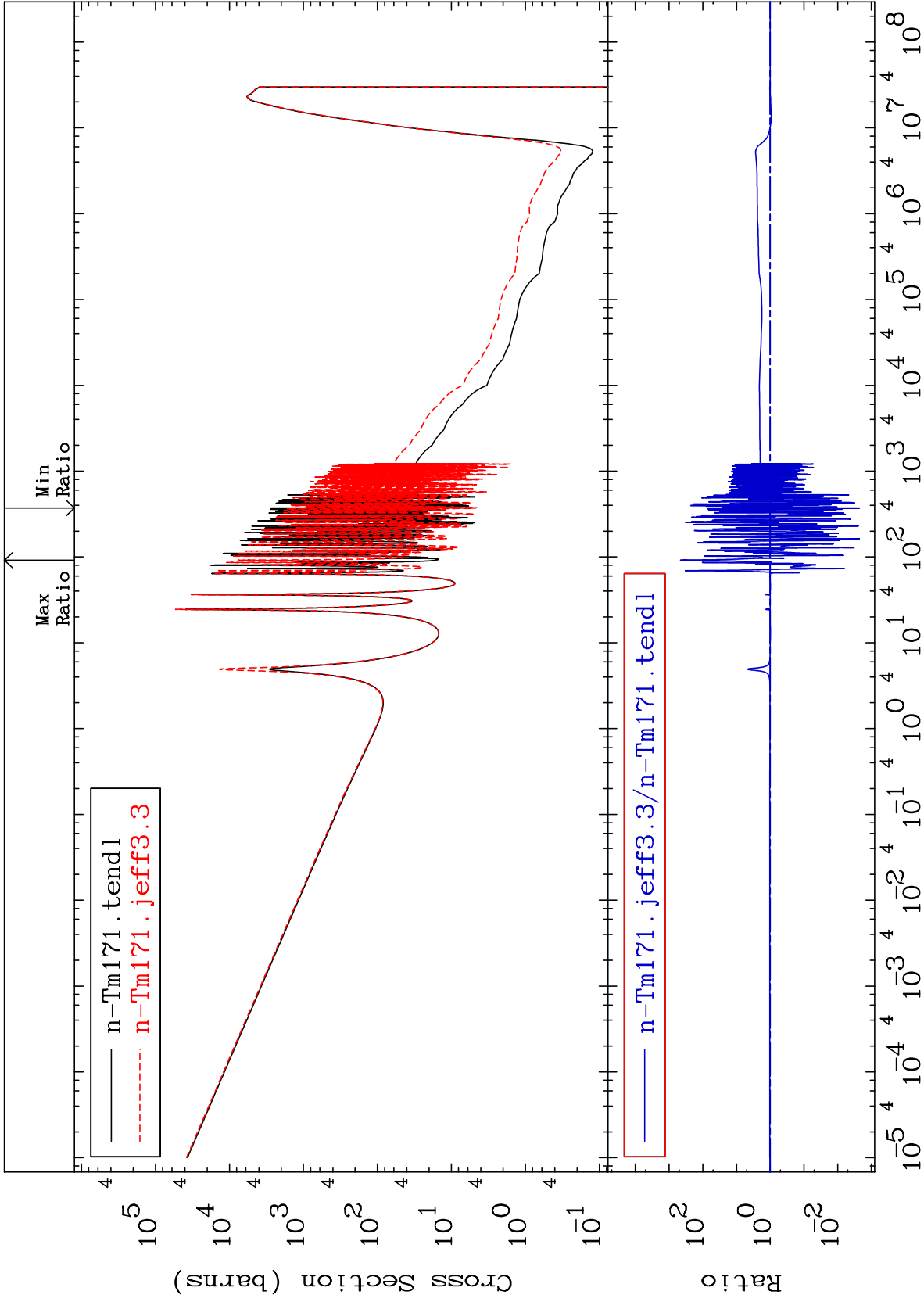
69-Tm-171
-5.735 To 13.55 %



75

Incident Energy (eV)

69-Tm-171

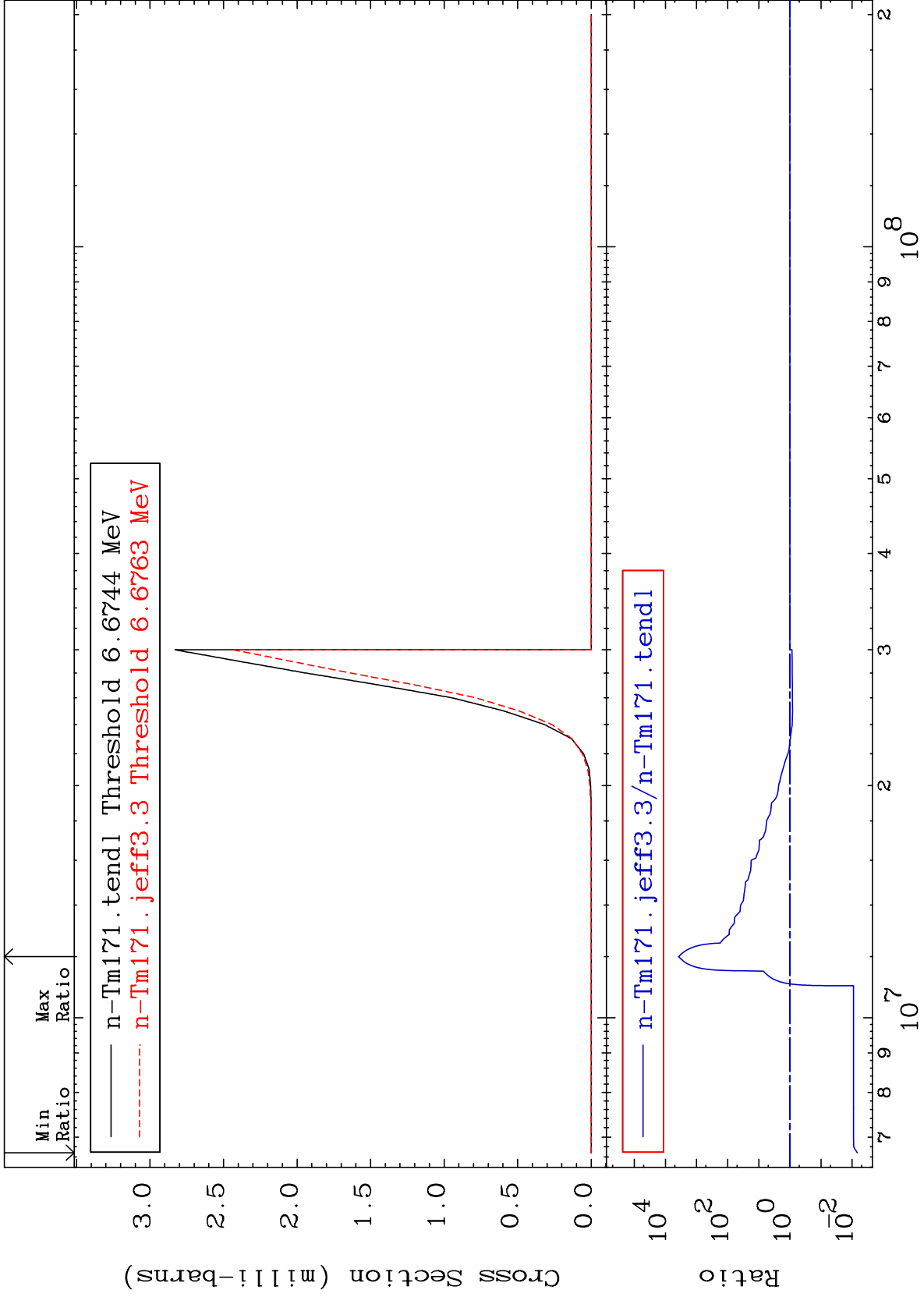


MAT 6931

(n,2n) α : 67-Ho-166g

69-Tm-171

Radionuclide Production Cross Section -99.31 To 9999. %

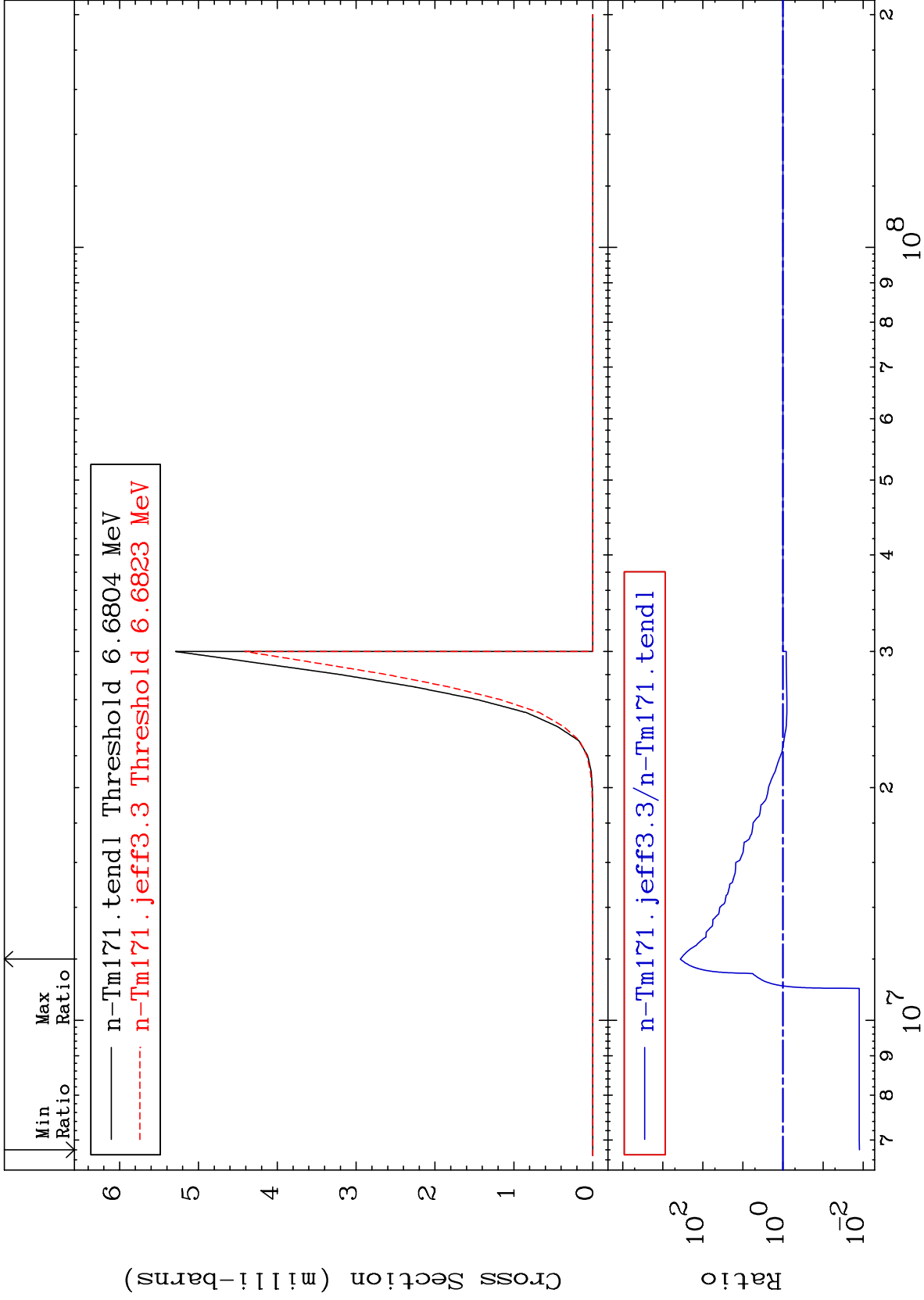


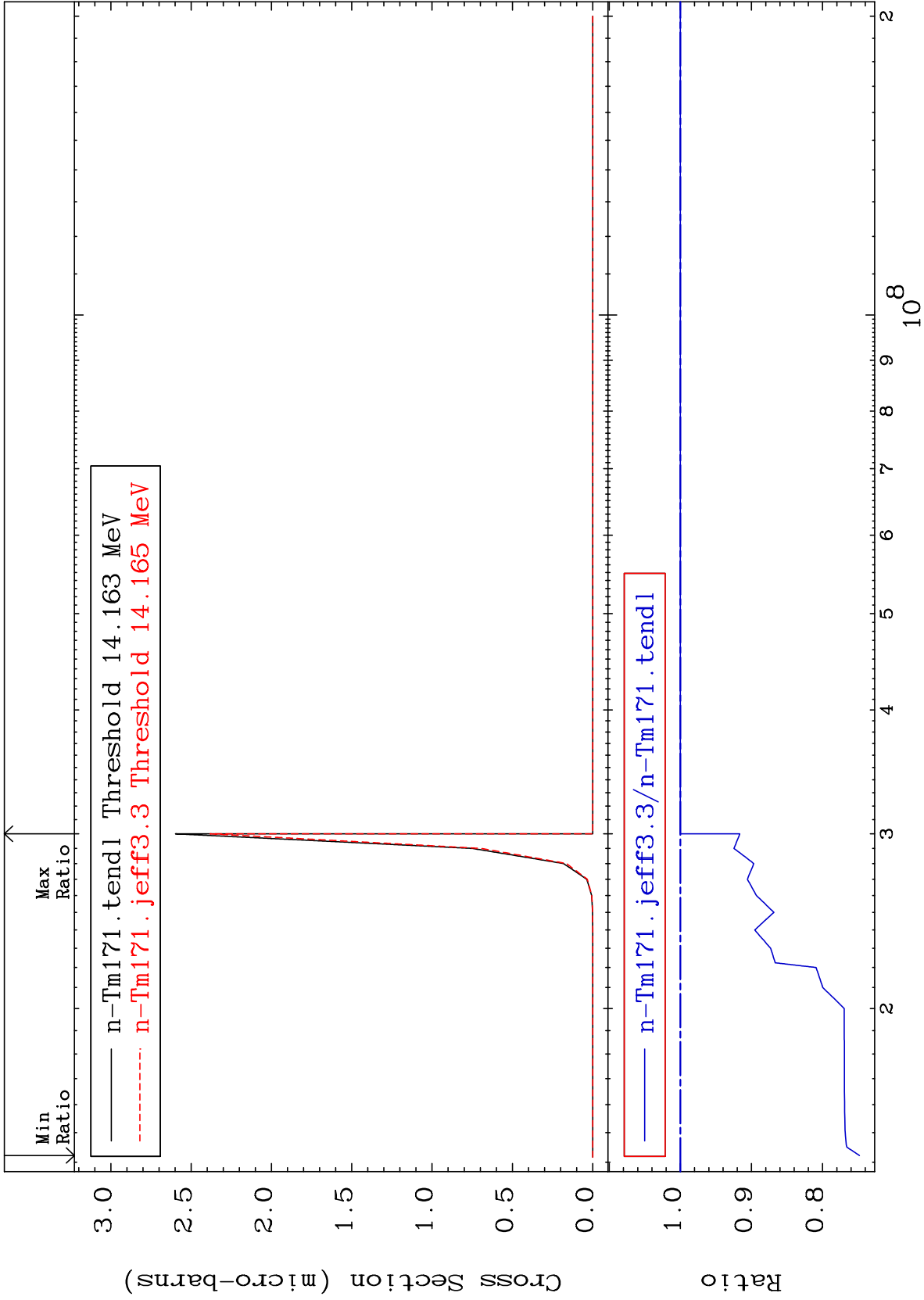
MAT 6931

(n,2n) α :67-Ho-166m1

69-Tm-171

Radionuclide Production Cross Section -98.76 To 9999. %





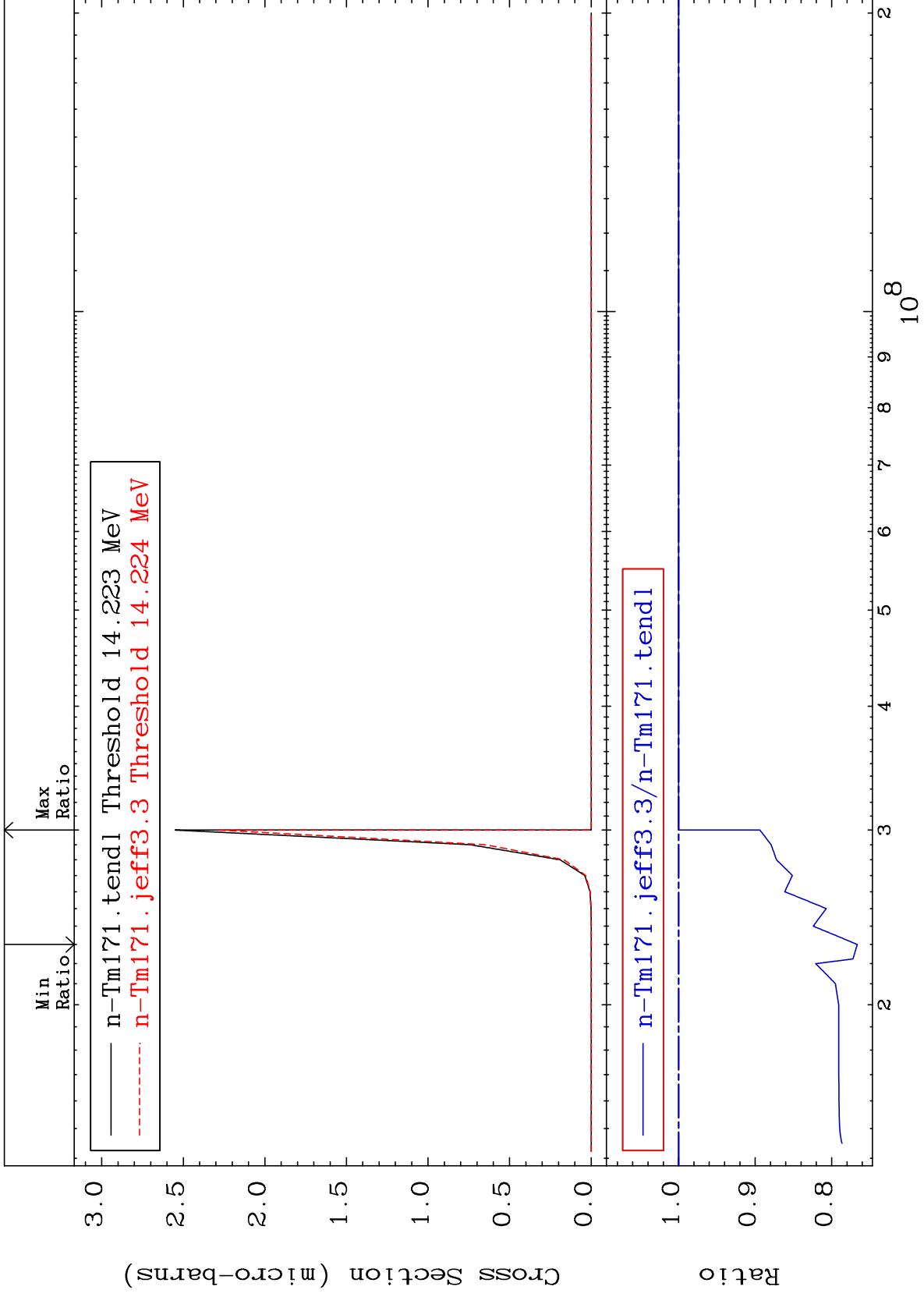
MAT 6931

(n, n') He-3:67-Ho-168m1

69-Tm-171

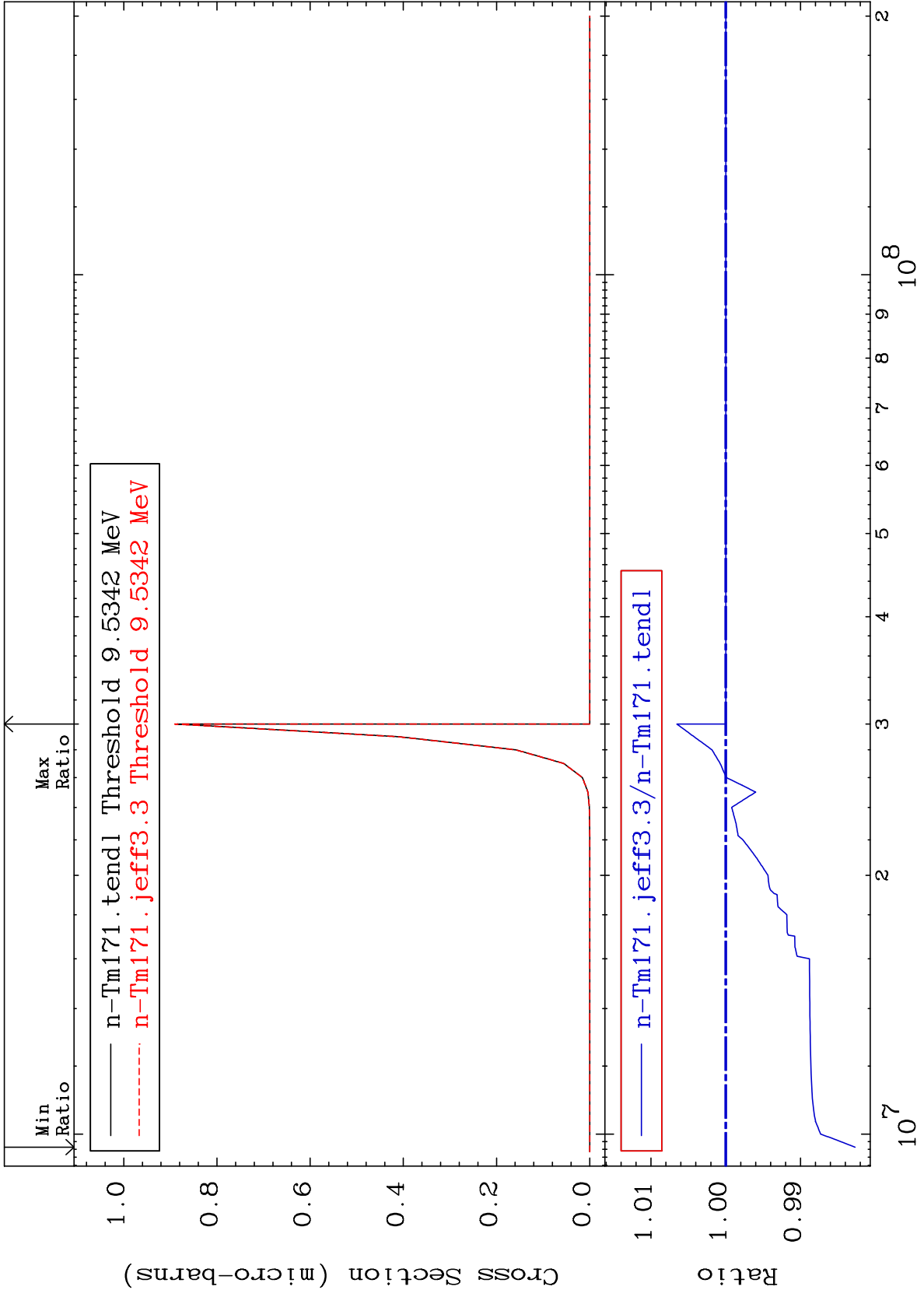
Radionuclide Production Cross Section

-23.34 To 0.000 %



MAT 6931

(n,2p):67-Ho-170g 69-Tm-171
Radionuclide Production Cross Section -1.730 To 0.653 %



81

Incident Energy (eV)

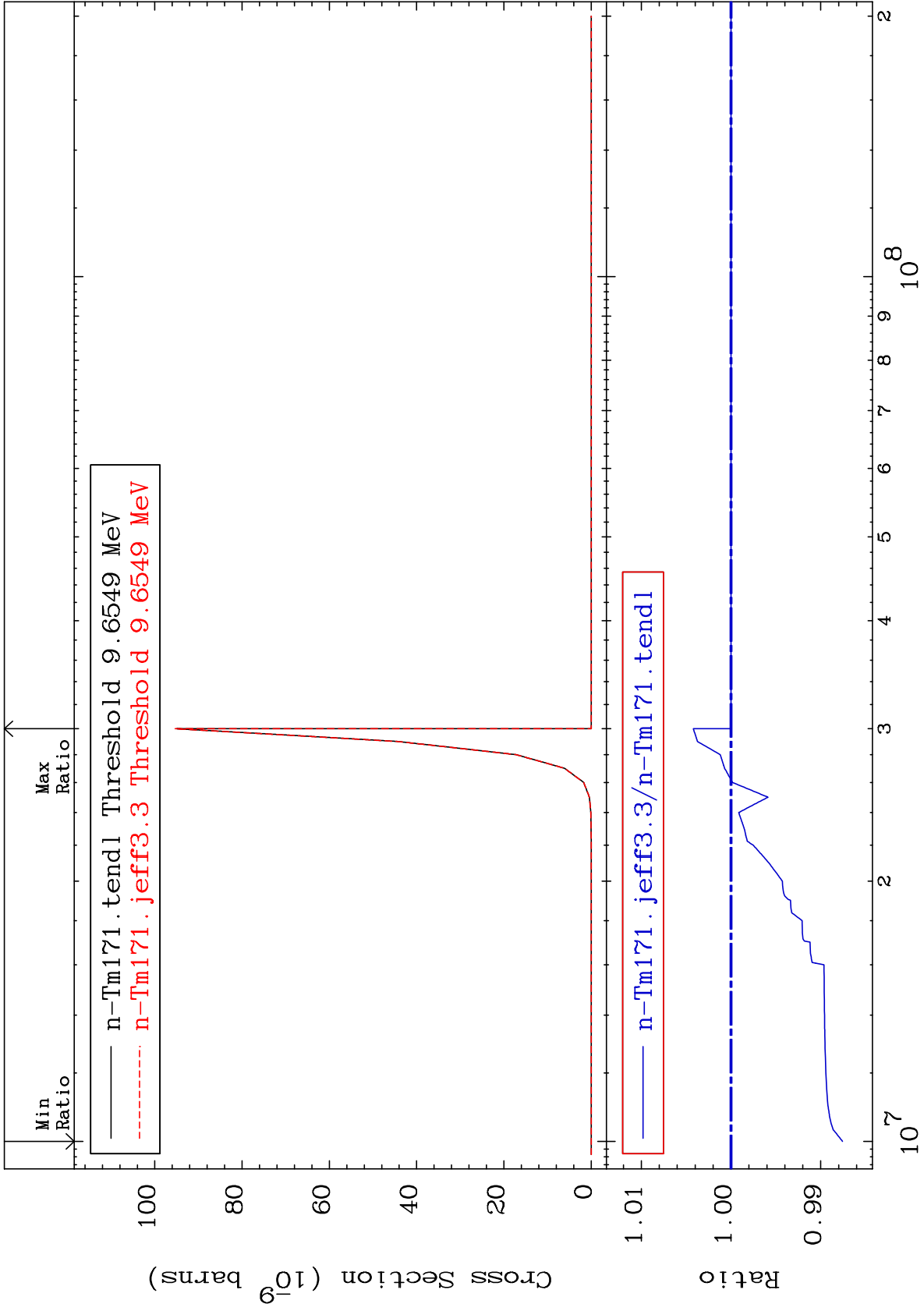
69-Tm-171

MAT 6931

(n,2p):67-Ho-170m1

69-Tm-171

Radionuclide Production Cross Section -1.244 To 0.420 %



82

Incident Energy (eV)

69-Tm-171