

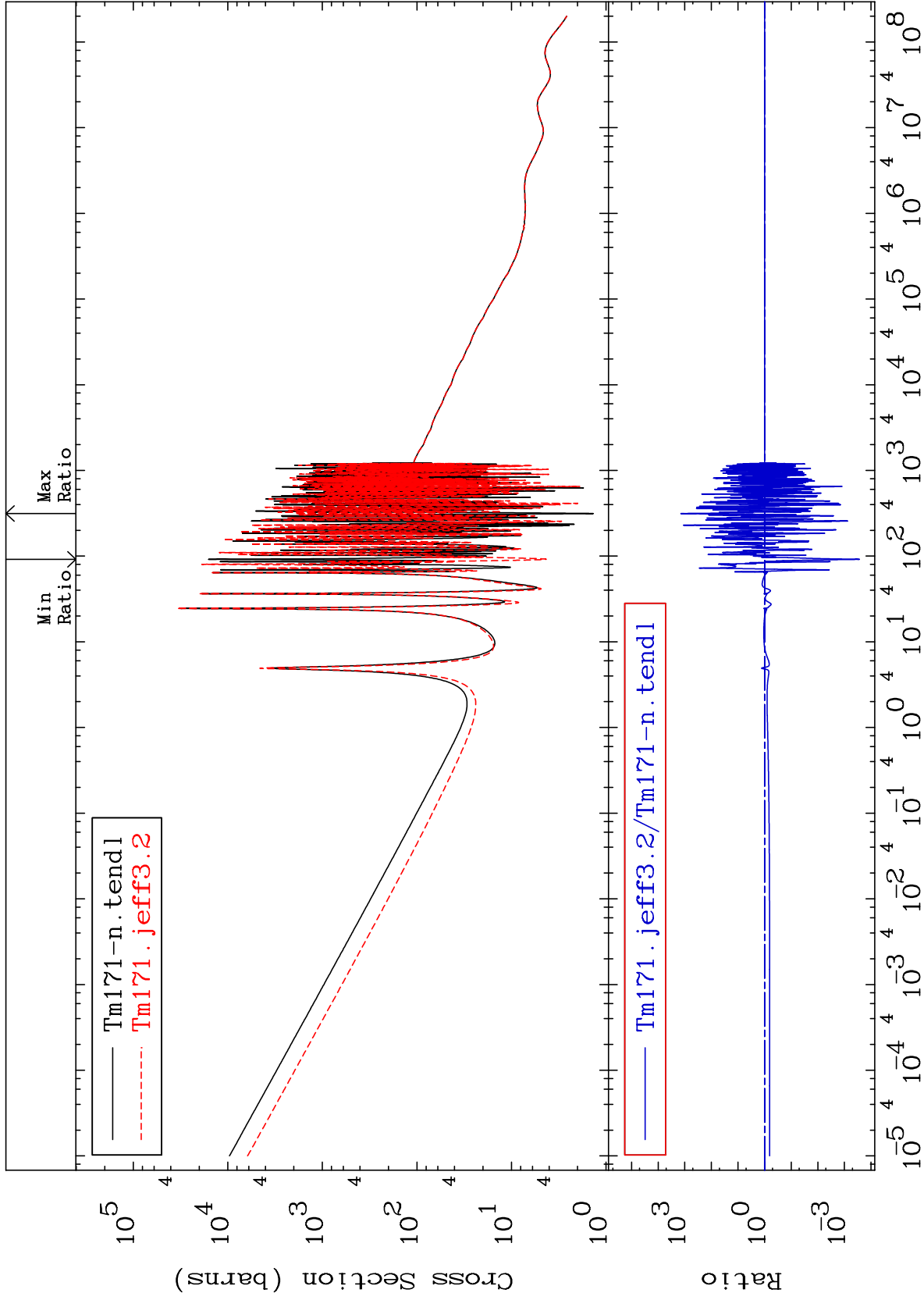
MAT 6931

Total

69-Tm-171

Cross Section

-99.97 To 9999. %



Incident Energy (eV)

69-Tm-171

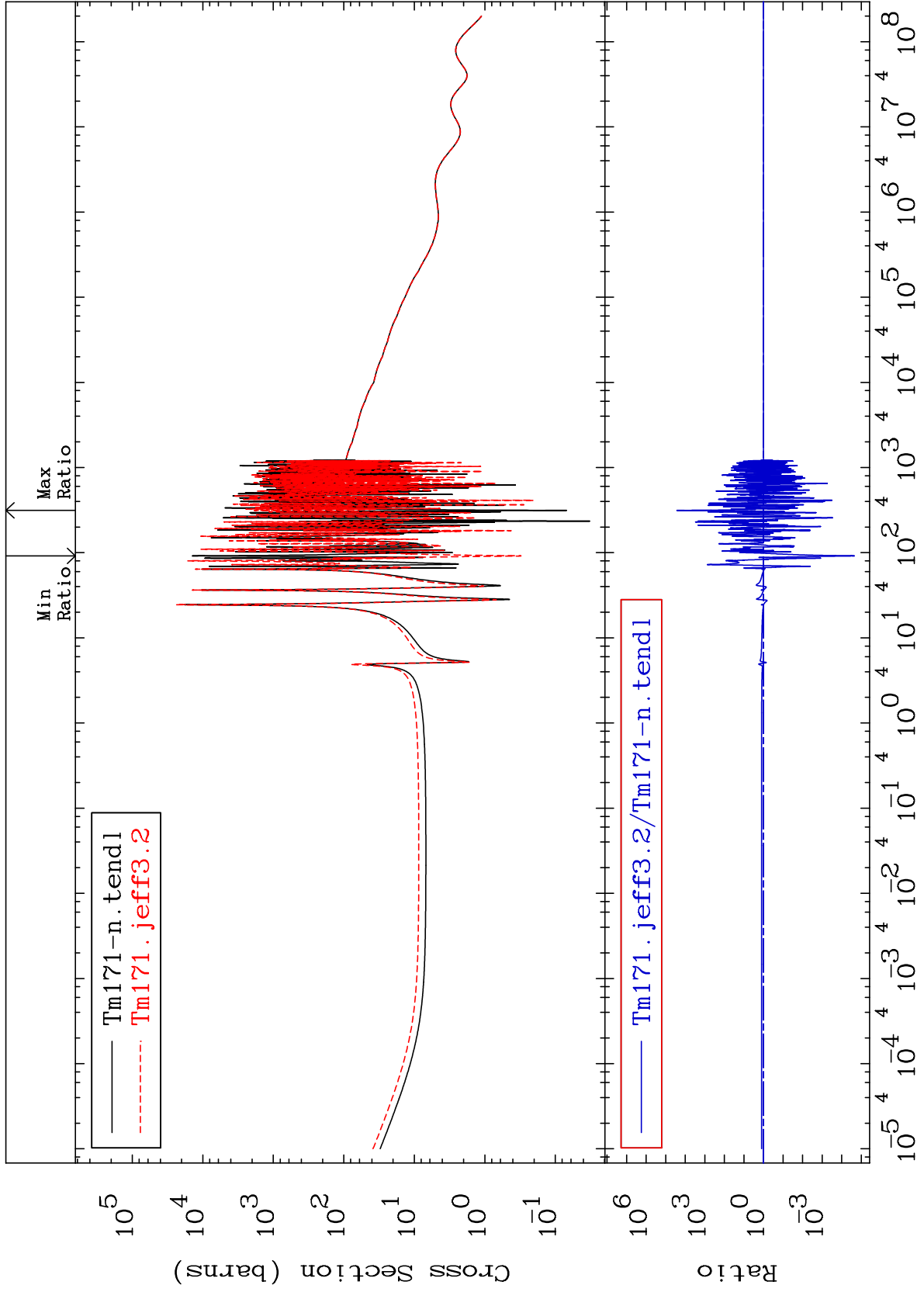
MAT 6931

Elastic

69-Tm-171

Cross Section

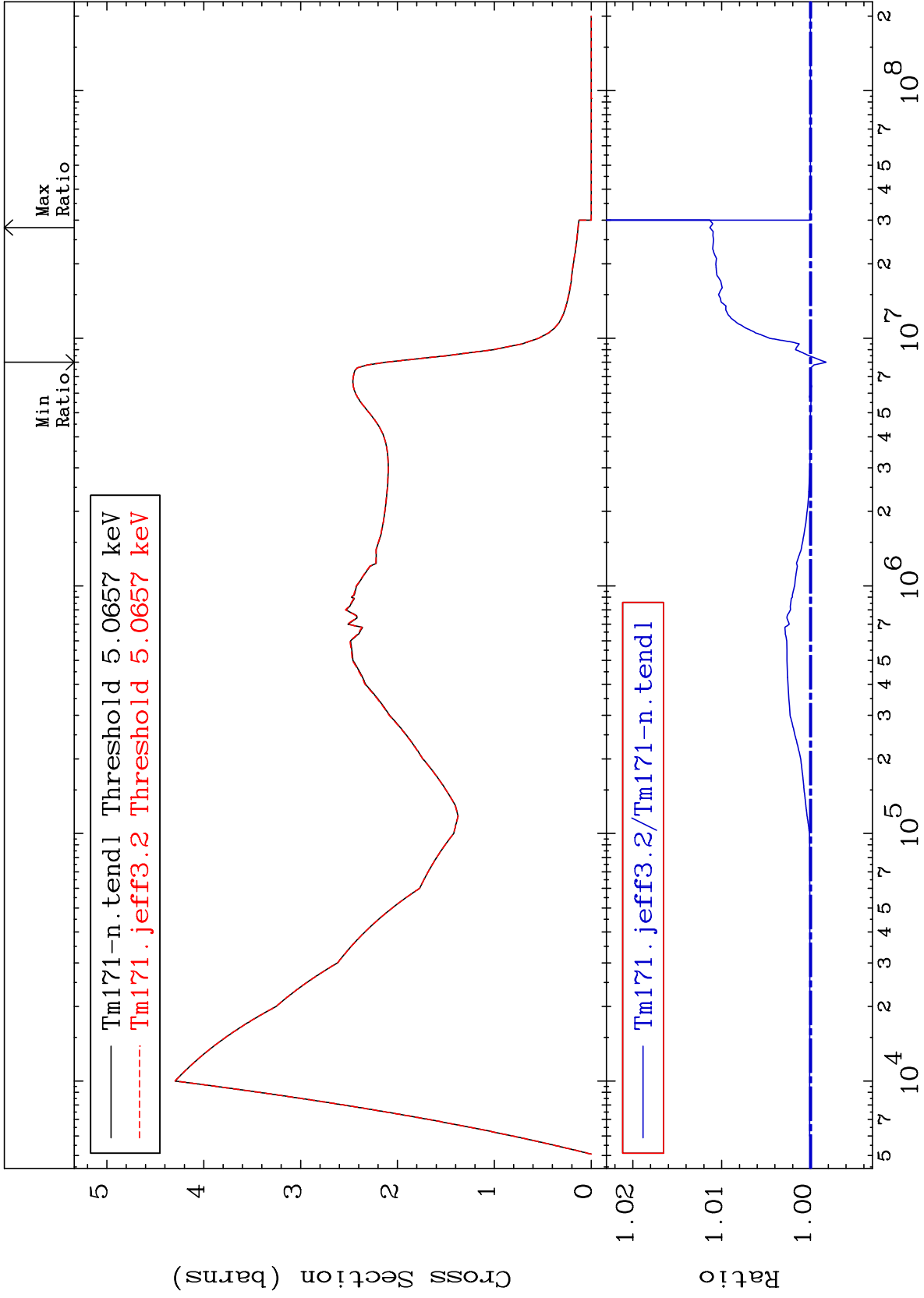
-100.0 To 9999. %



MAT 6931

Inelastic
Cross Section

69-Tm-171
-0.175 To 1.133 %



MAT 6931

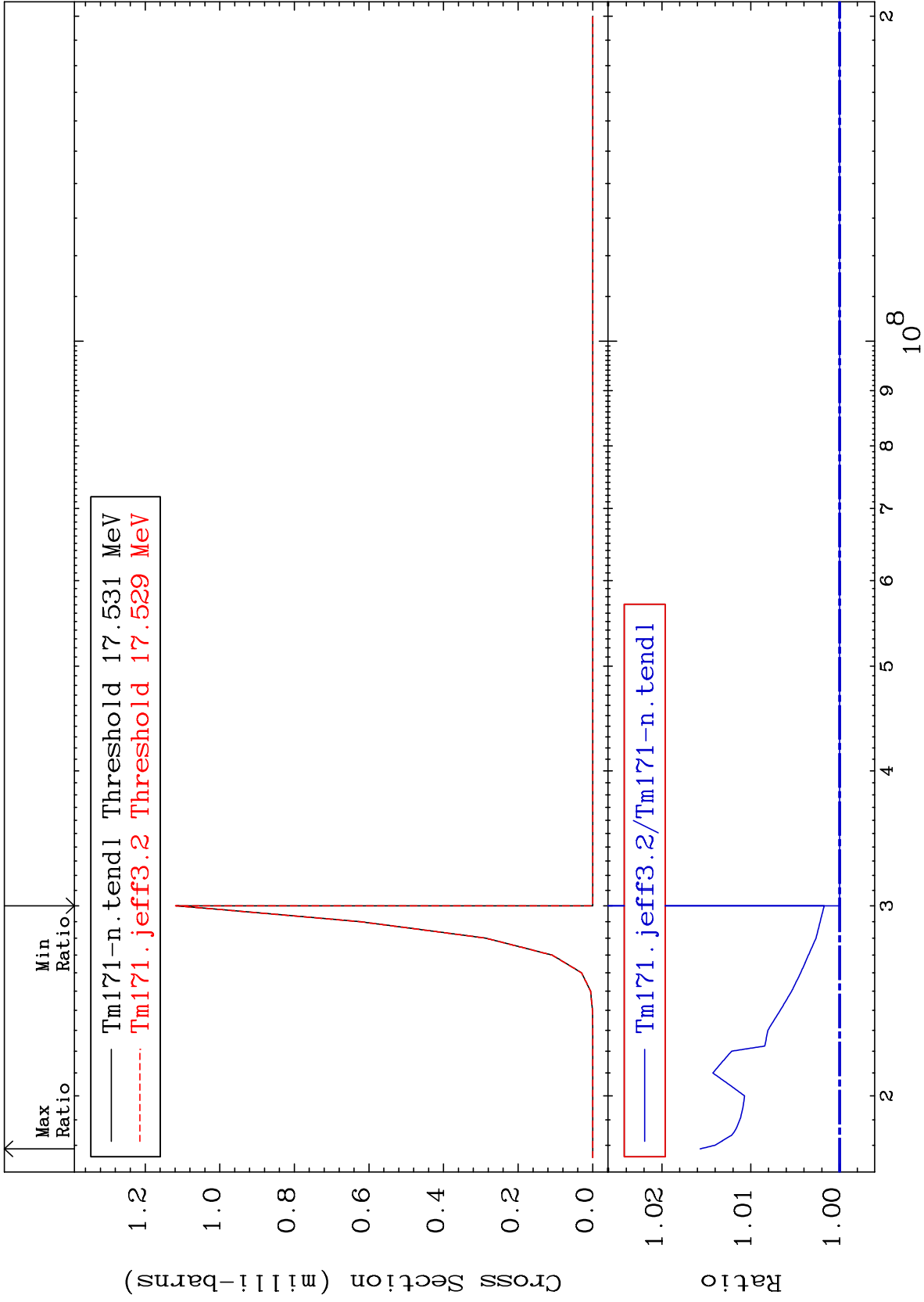
(n,2n) d

69-Tm-171

Cross Section

0.000

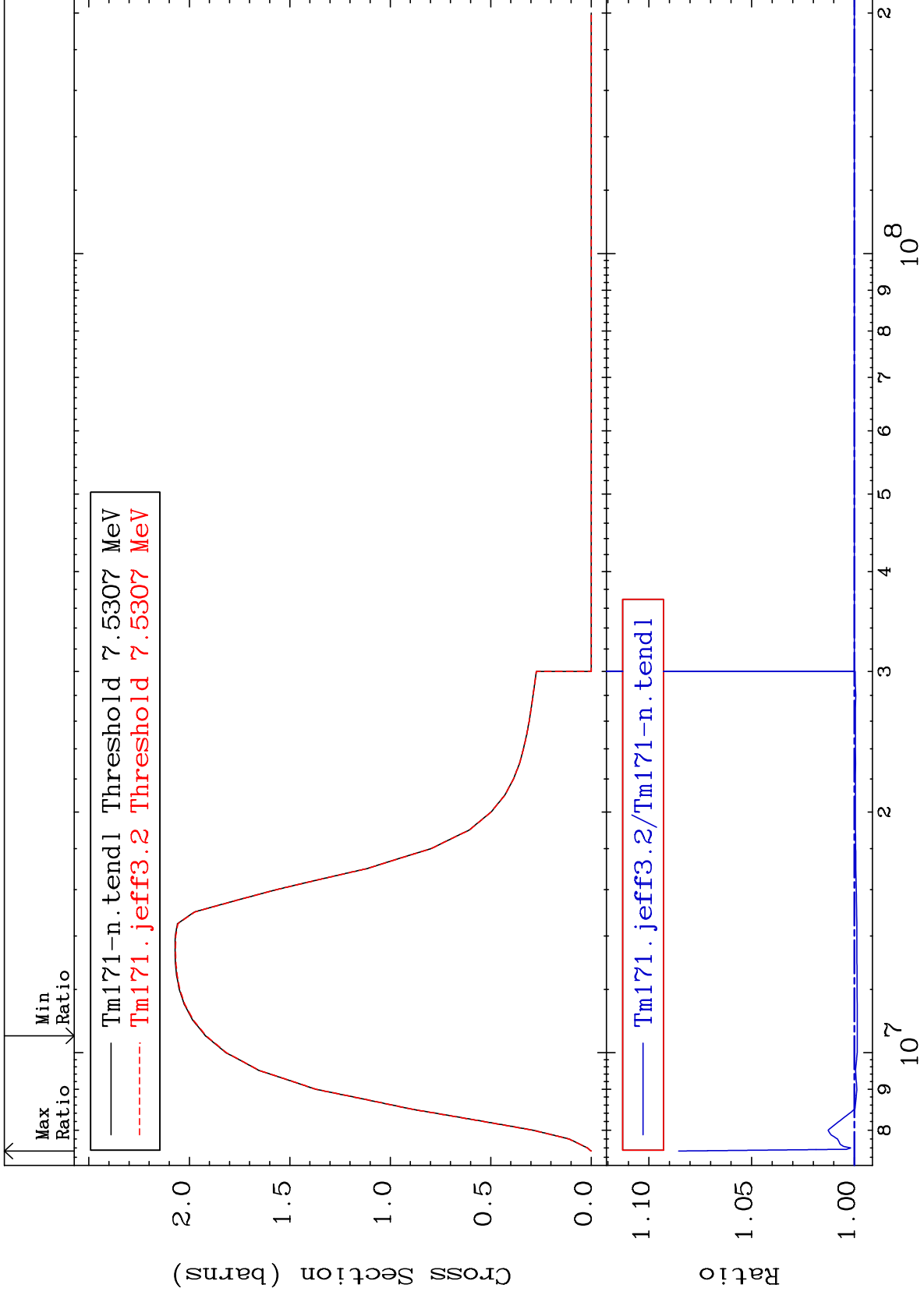
To 1.569 %



MAT 6931

(n,2n)
Cross Section

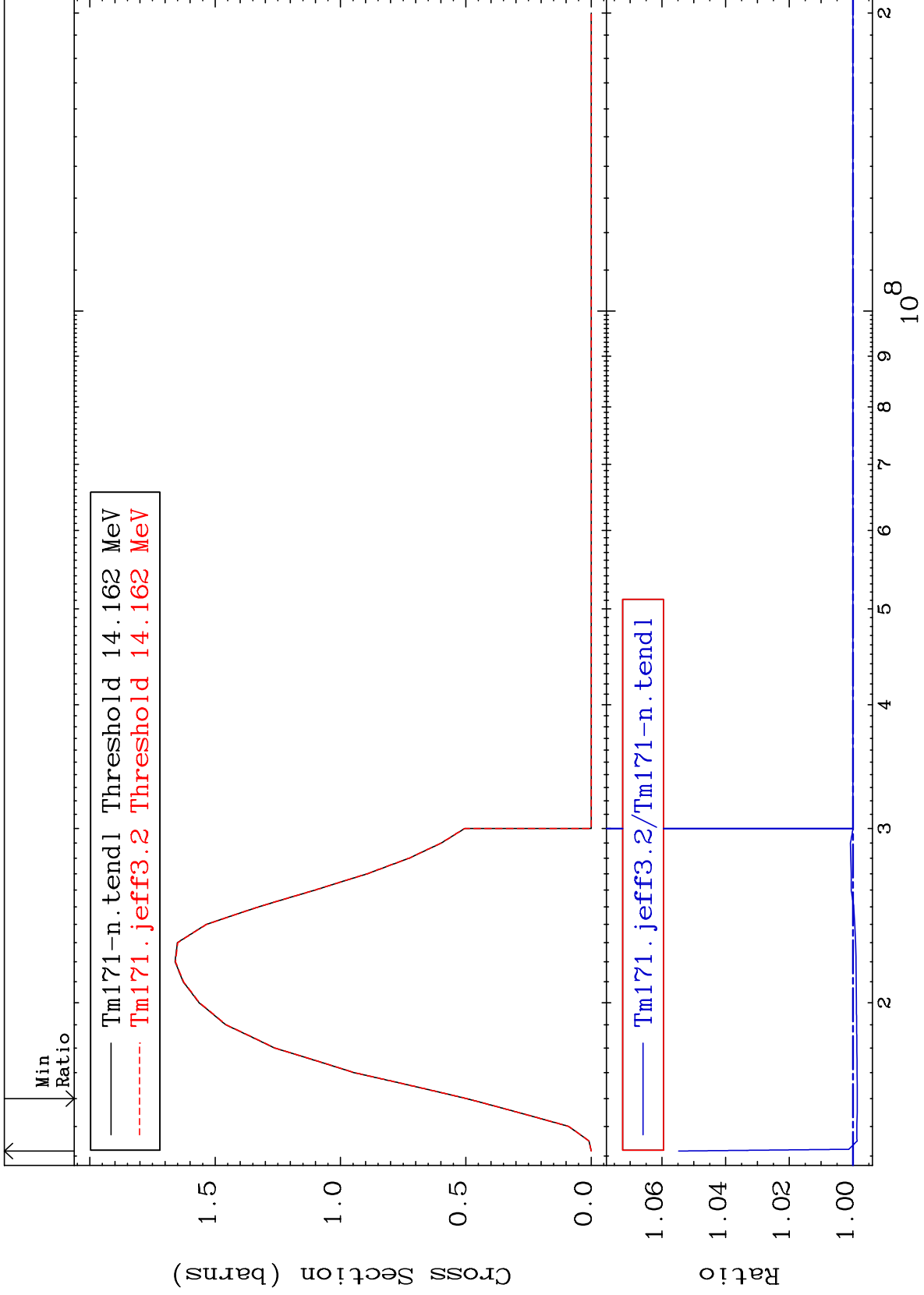
69-Tm-171
-0.141 To 8.554 %

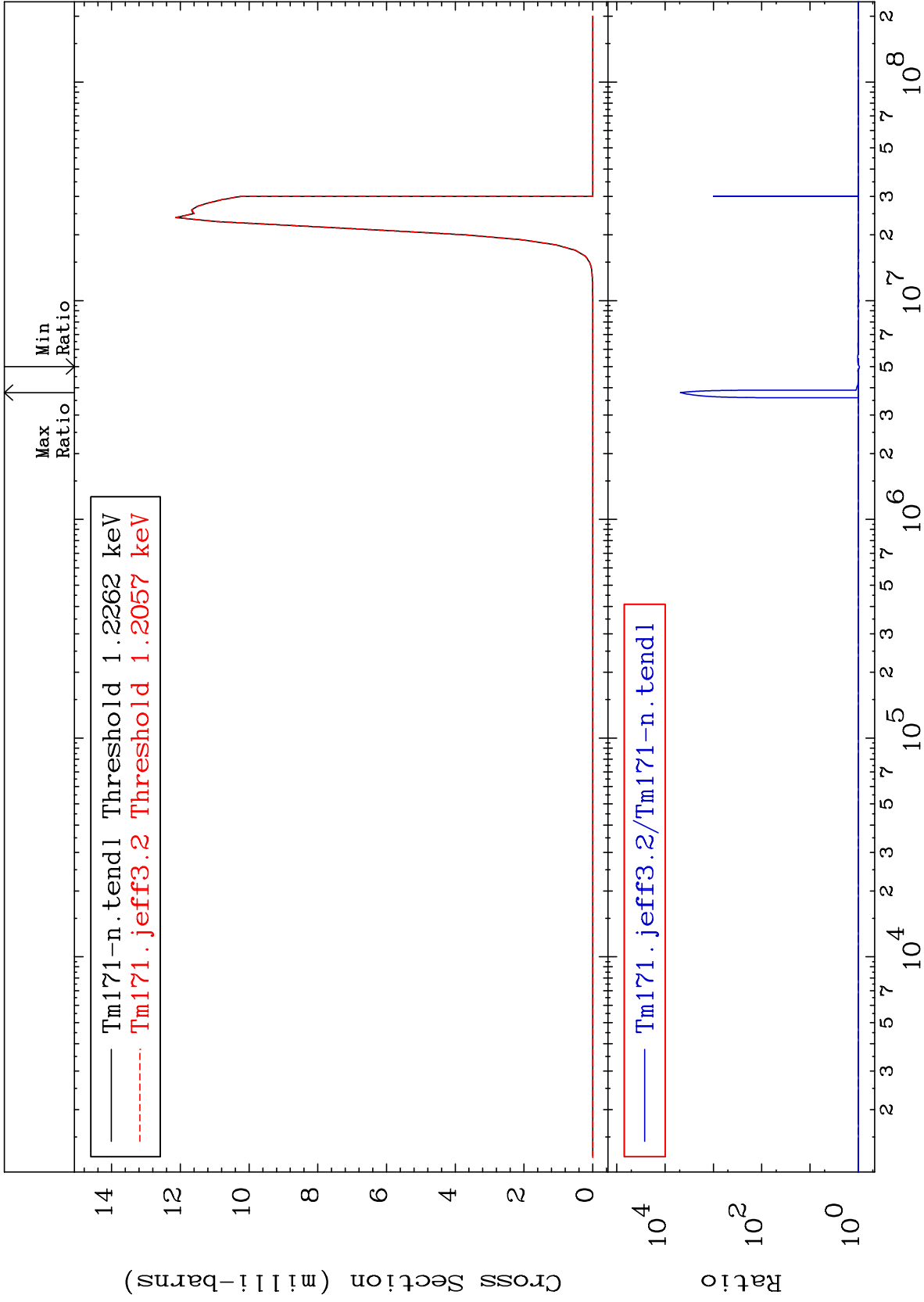


MAT 6931

(n,3n)
Cross Section

69-Tm-171
-0.136 To 5.478 %

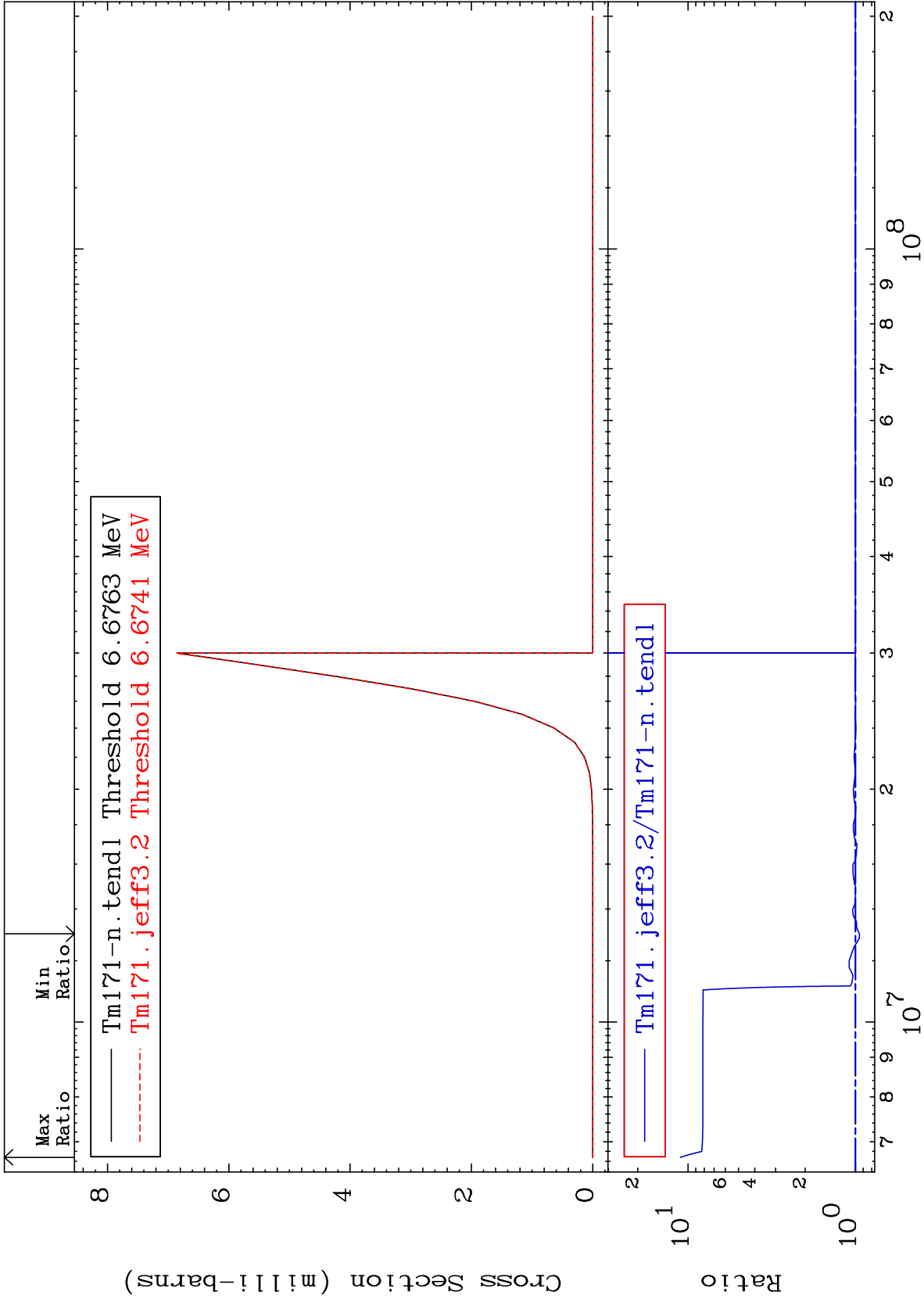




MAT 6931

(n,2n) α
Cross Section

69-Tm-171
-5.187 To 1013. %



8

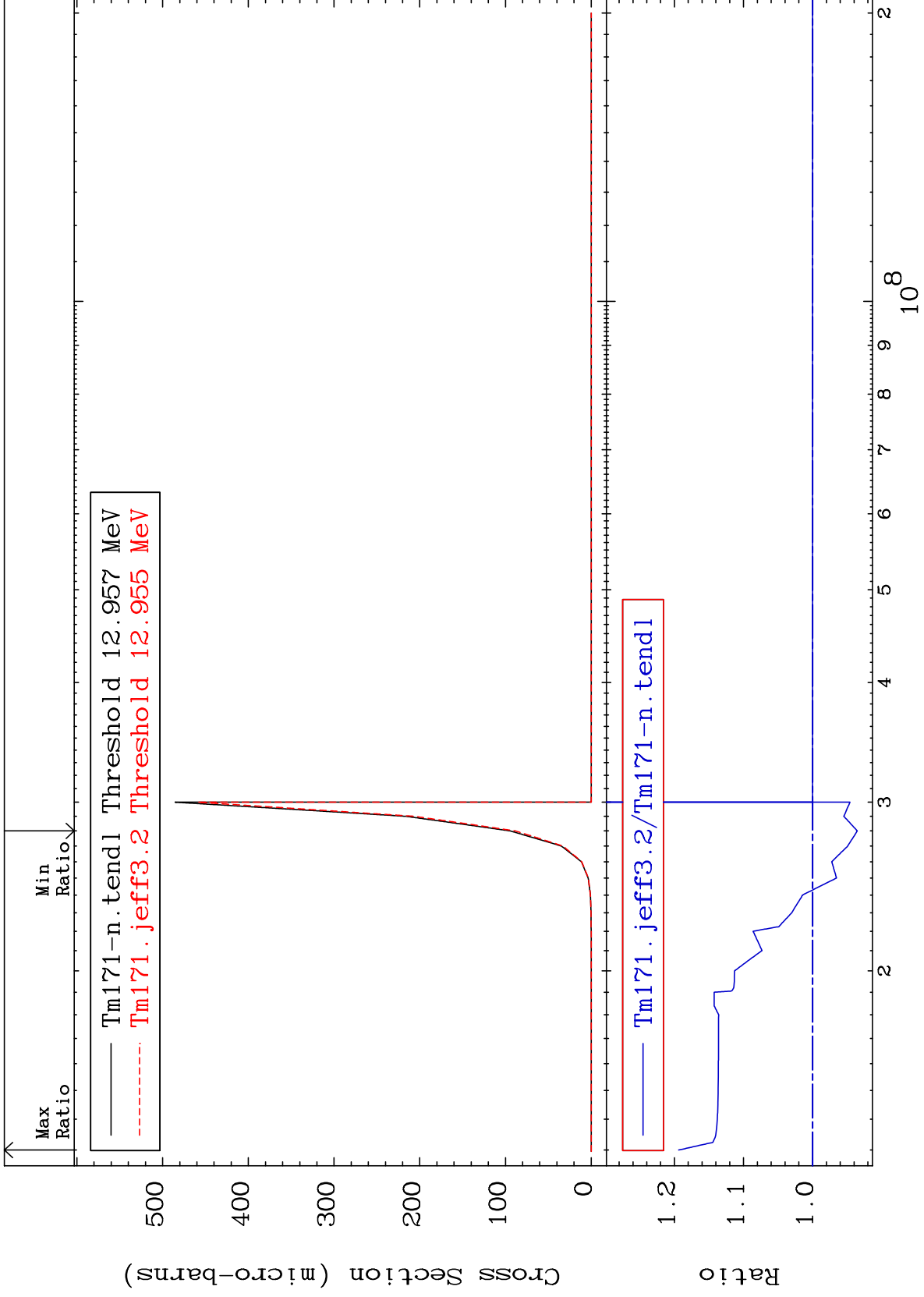
Incident Energy (eV)

69-Tm-171

MAT 6931

(n,3n) α
Cross Section

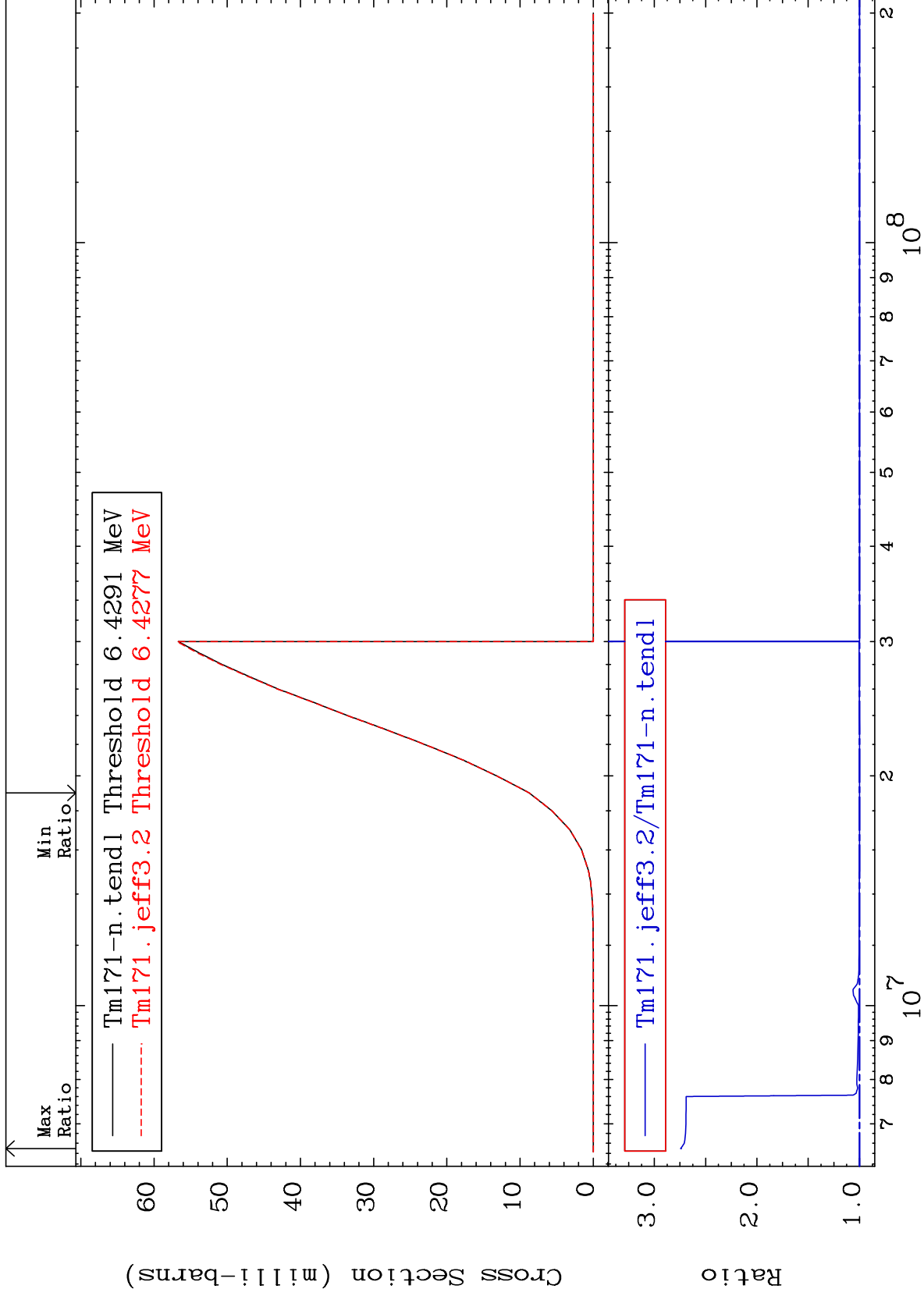
69-Tm-171
-6.459 To 19.39 %



MAT 6931

(n, n') p
Cross Section

69-Tm-171
-0.021 To 174.2 %



10

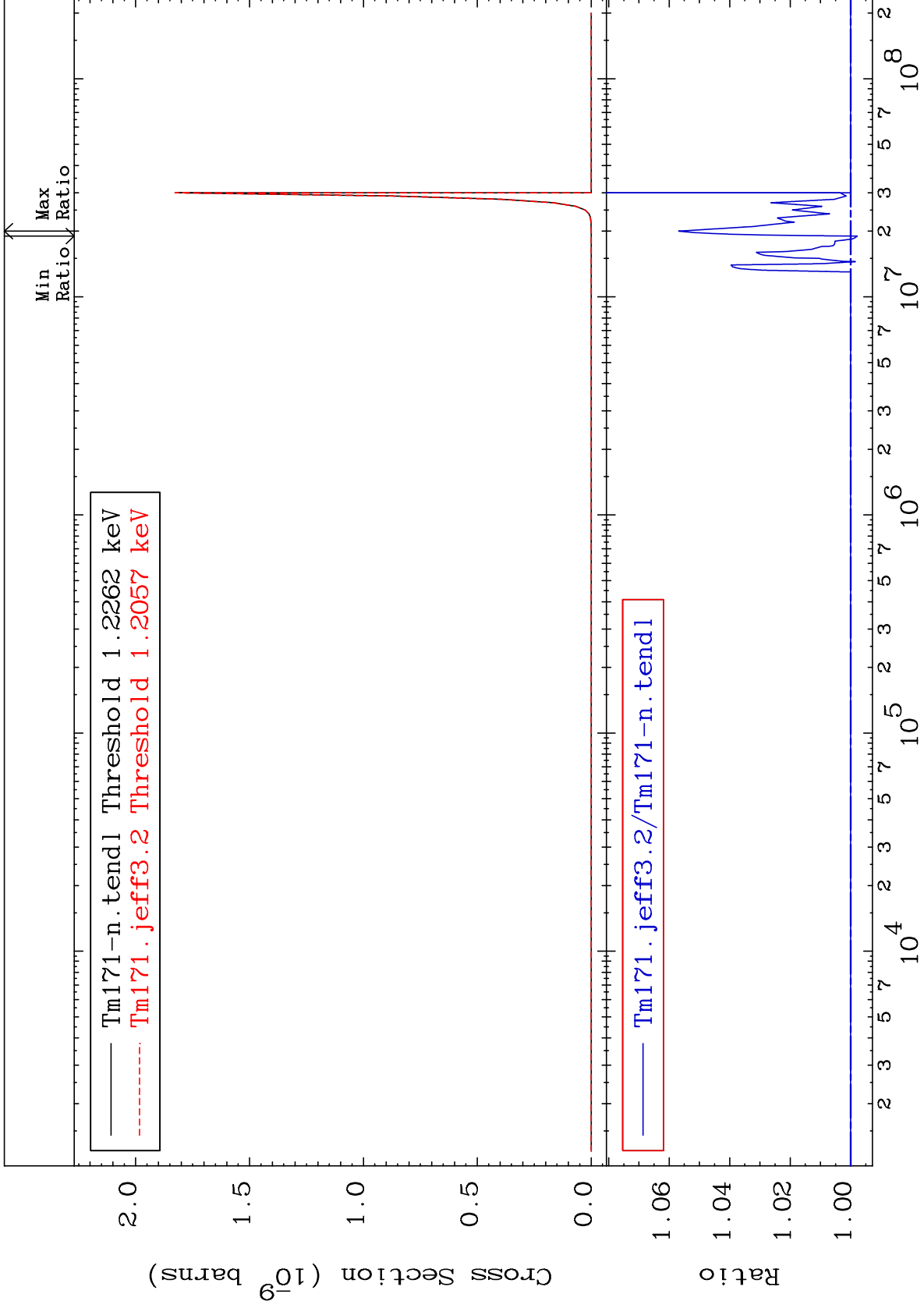
Incident Energy (eV)

69-Tm-171

MAT 6931

(n, n') 2α
Cross Section

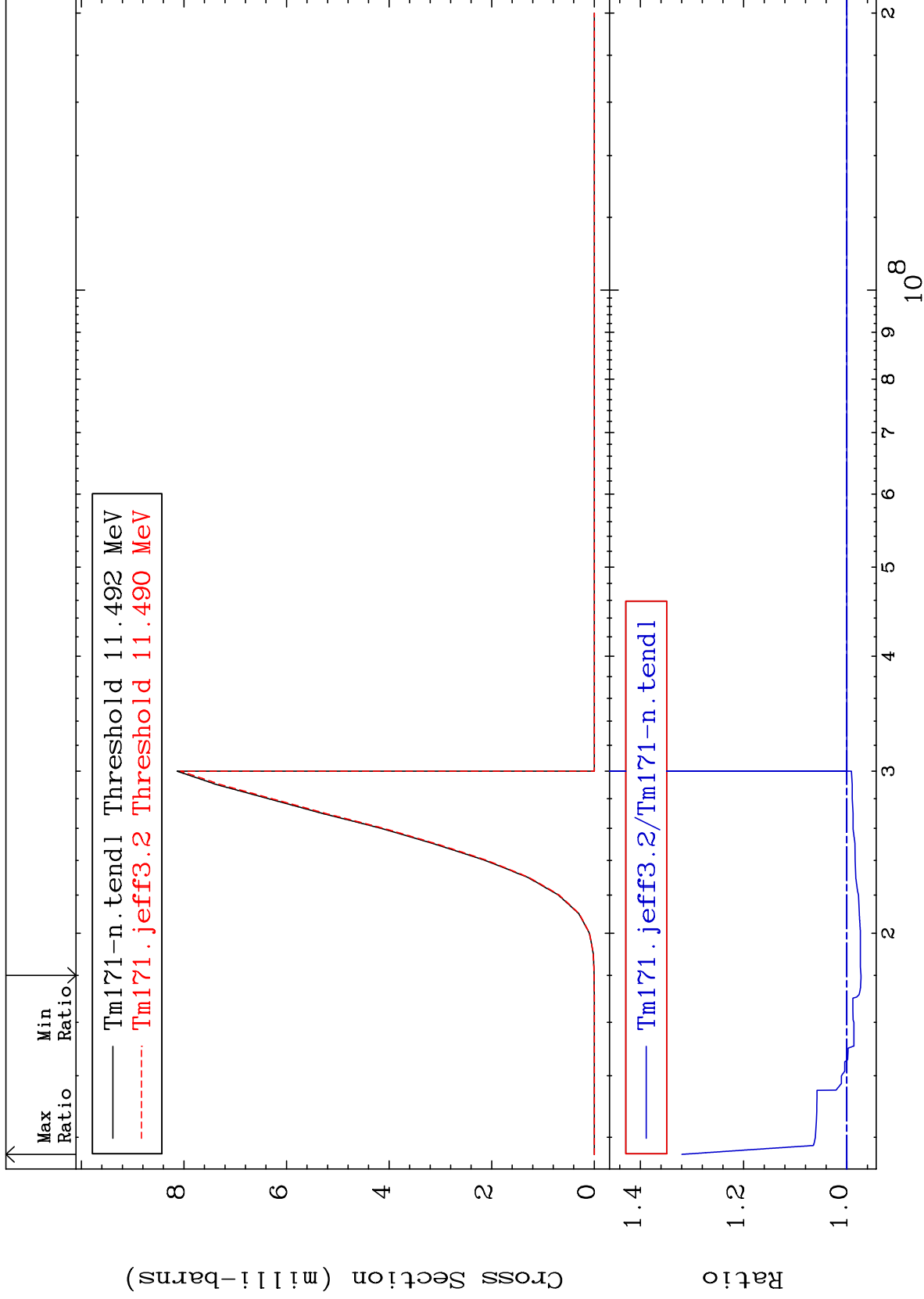
69-Tm-171
-0.217 To 5.687 %



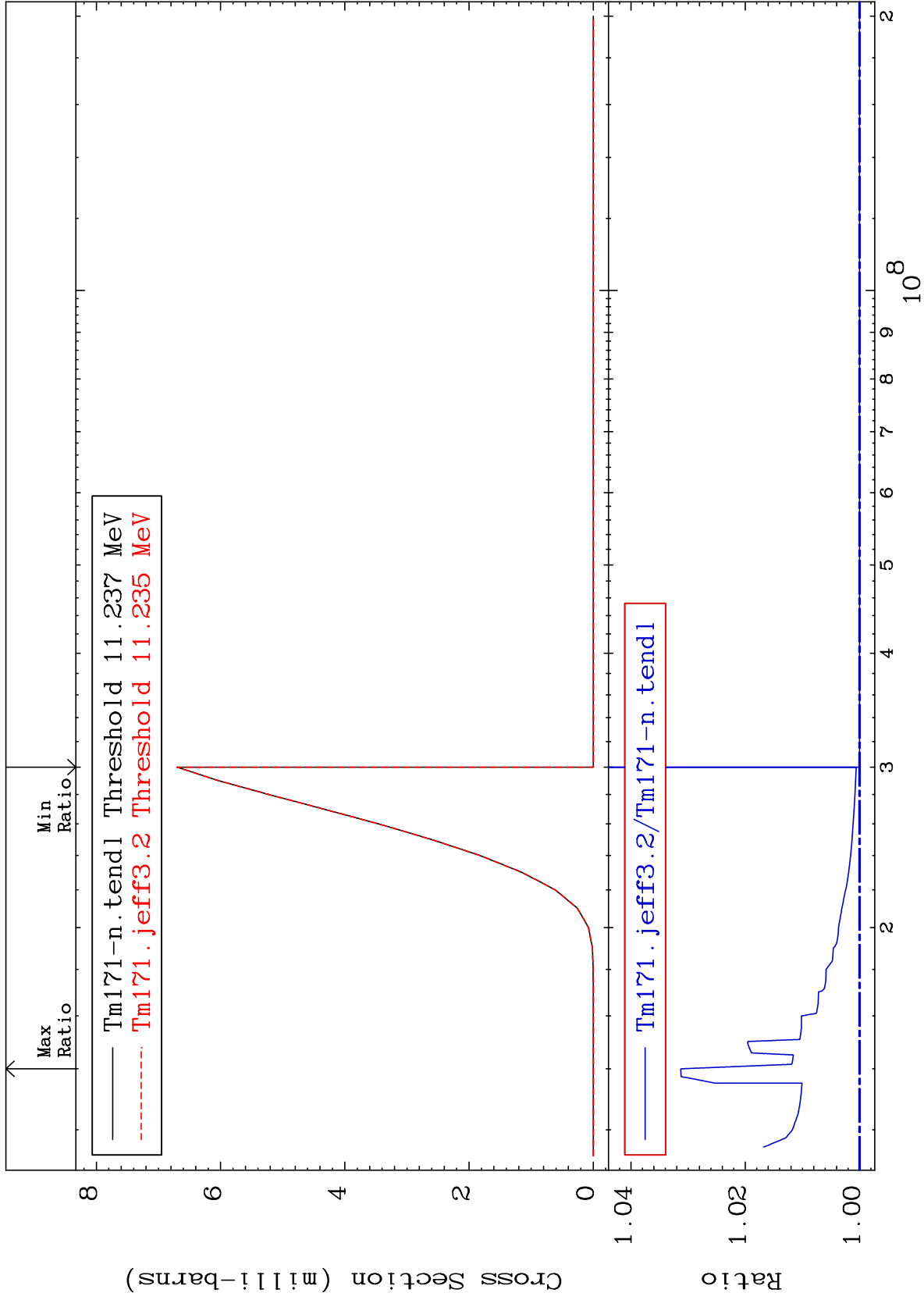
MAT 6931

(n,n') d
Cross Section

69-Tm-171
-2.760 To 31.94 %



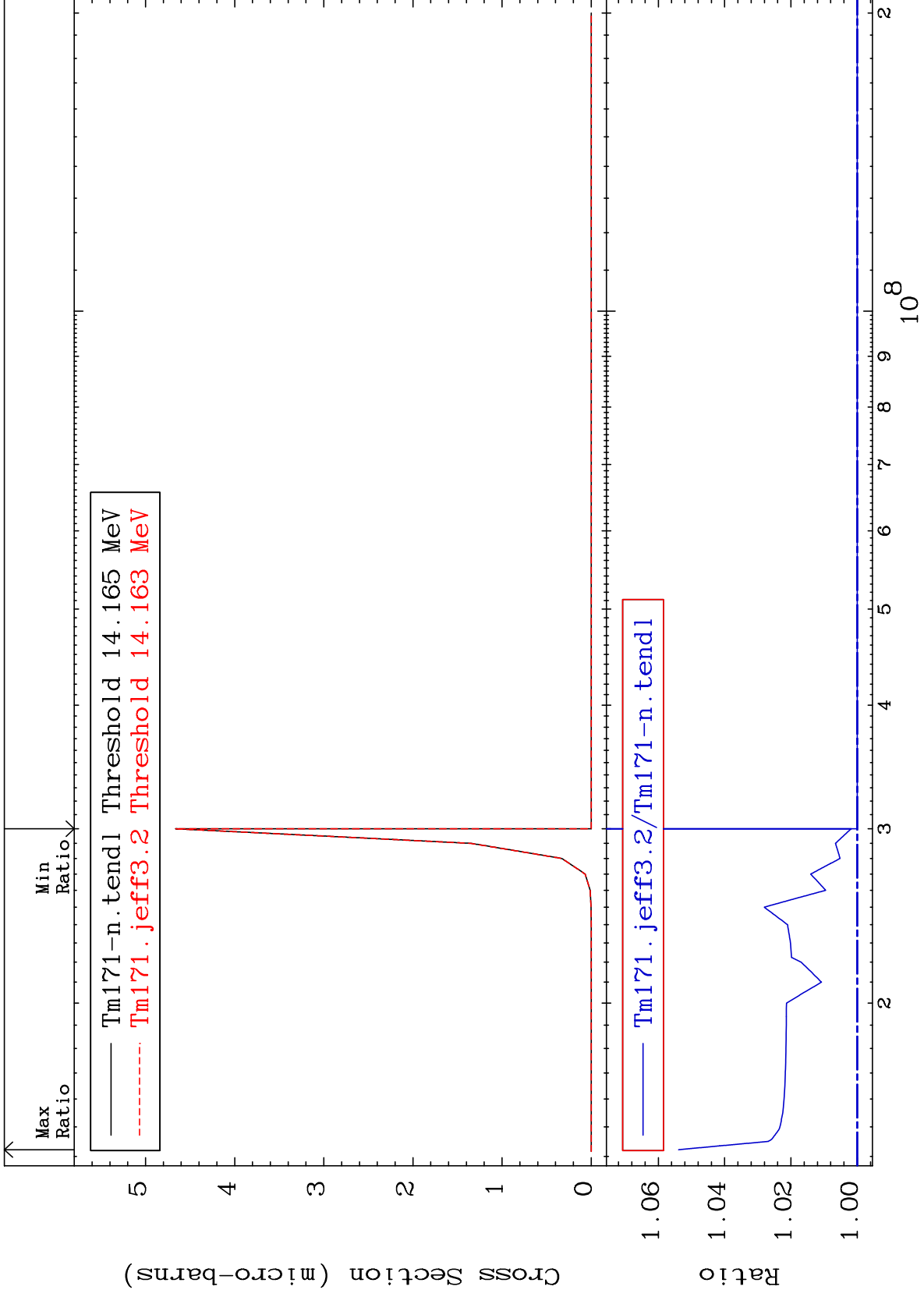
MAT 6931 (n,n') t 69-Tm-171
 Cross Section 0.000 To 3.129 %



MAT 6931

(n, n') He-3
Cross Section

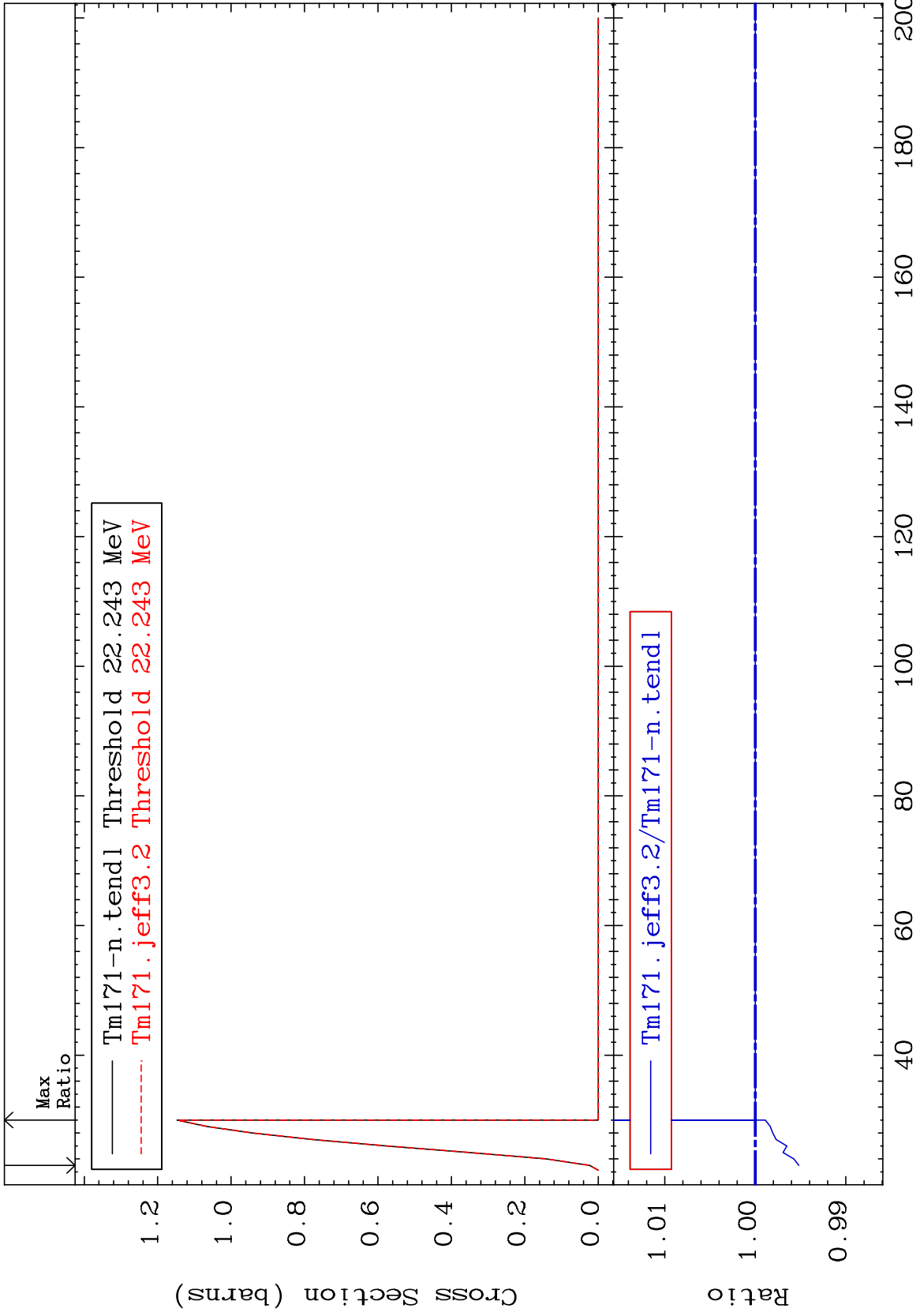
69-Tm-171
0.000 To 5.388 %



MAT 6931

(n,4n)
Cross Section

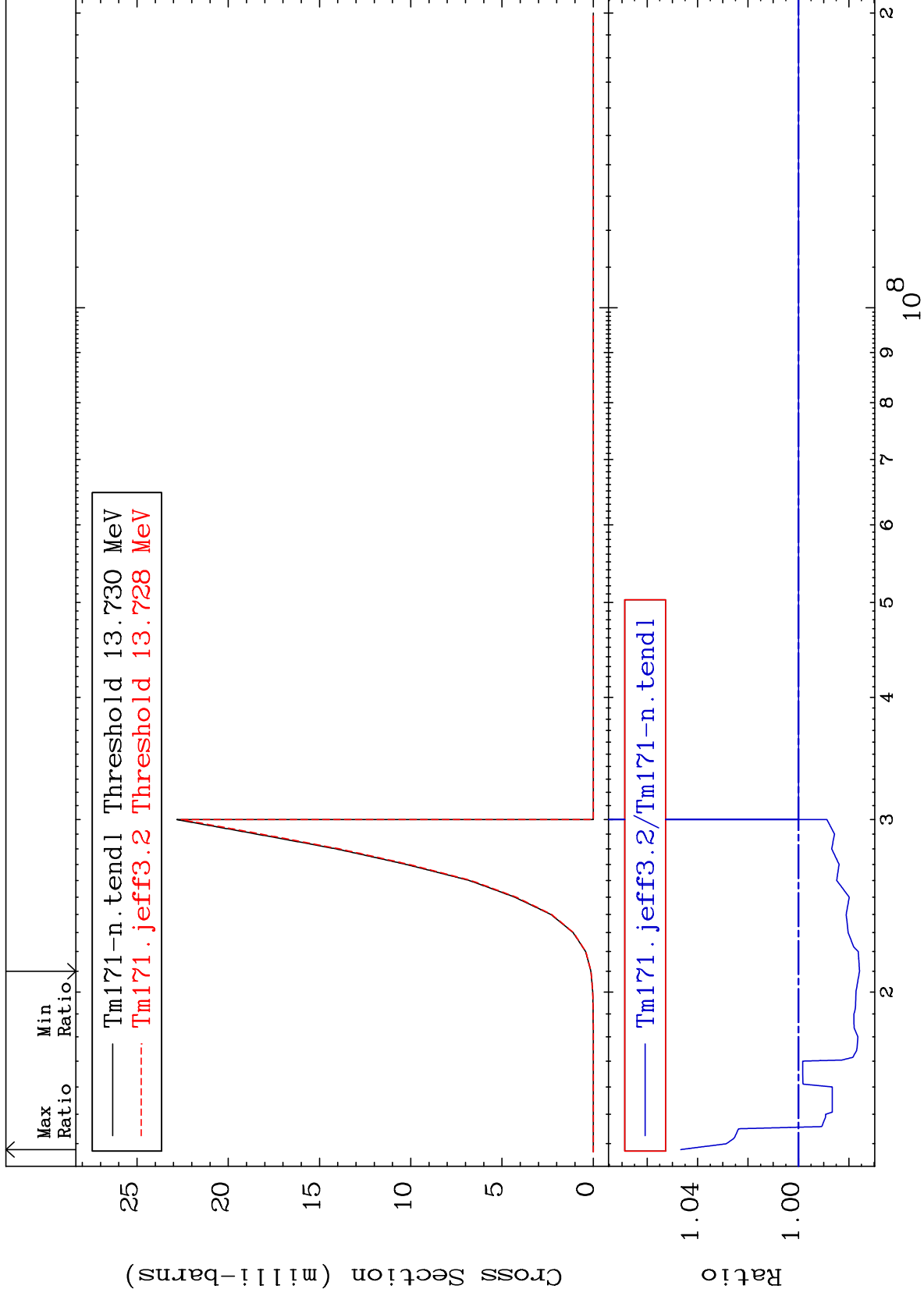
69-Tm-171
-0.481 To 0.000 %



MAT 6931

(n,2n) p
Cross Section

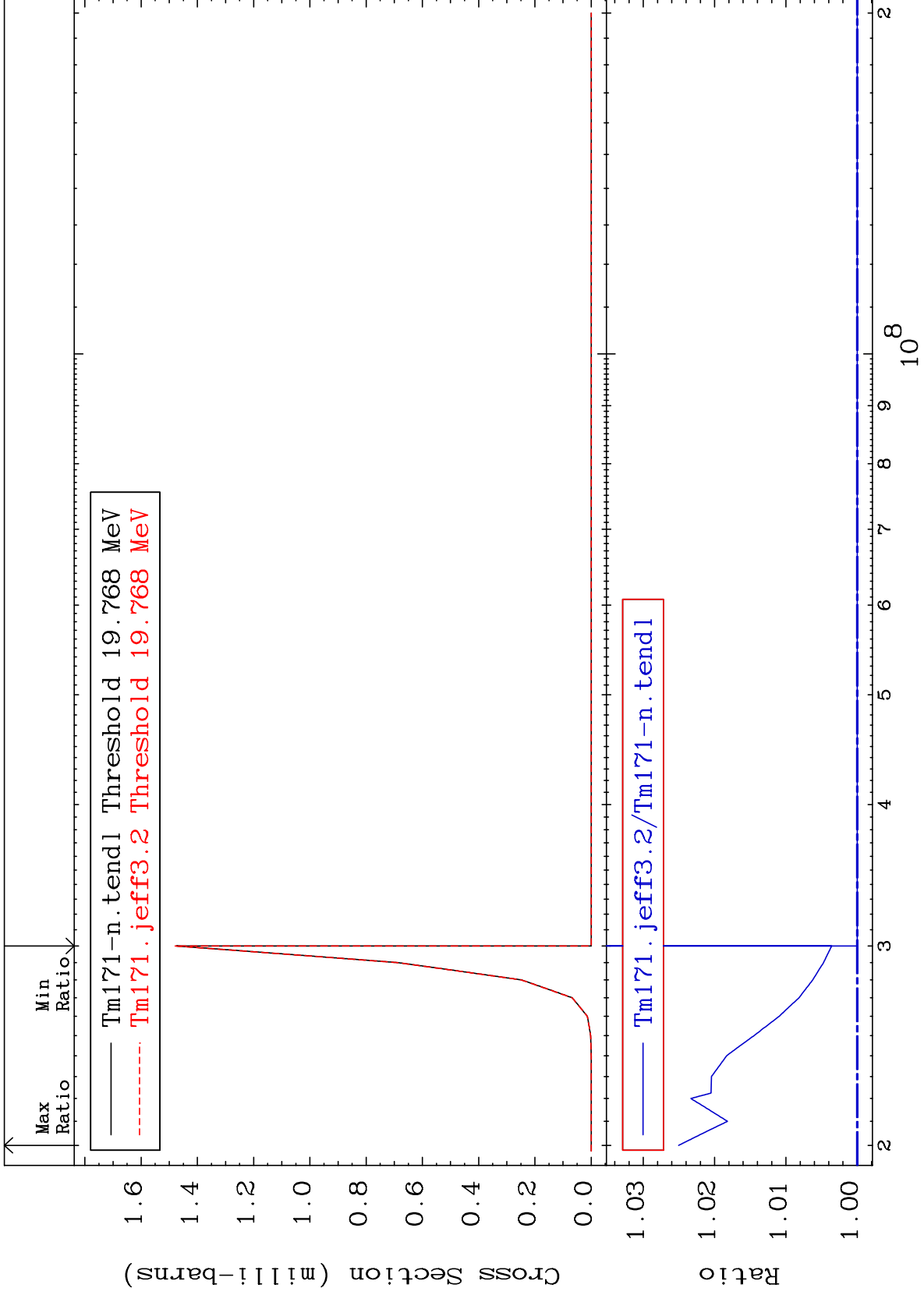
69-Tm-171
-2.423 To 4.668 %



MAT 6931

(n,3n) p
Cross Section

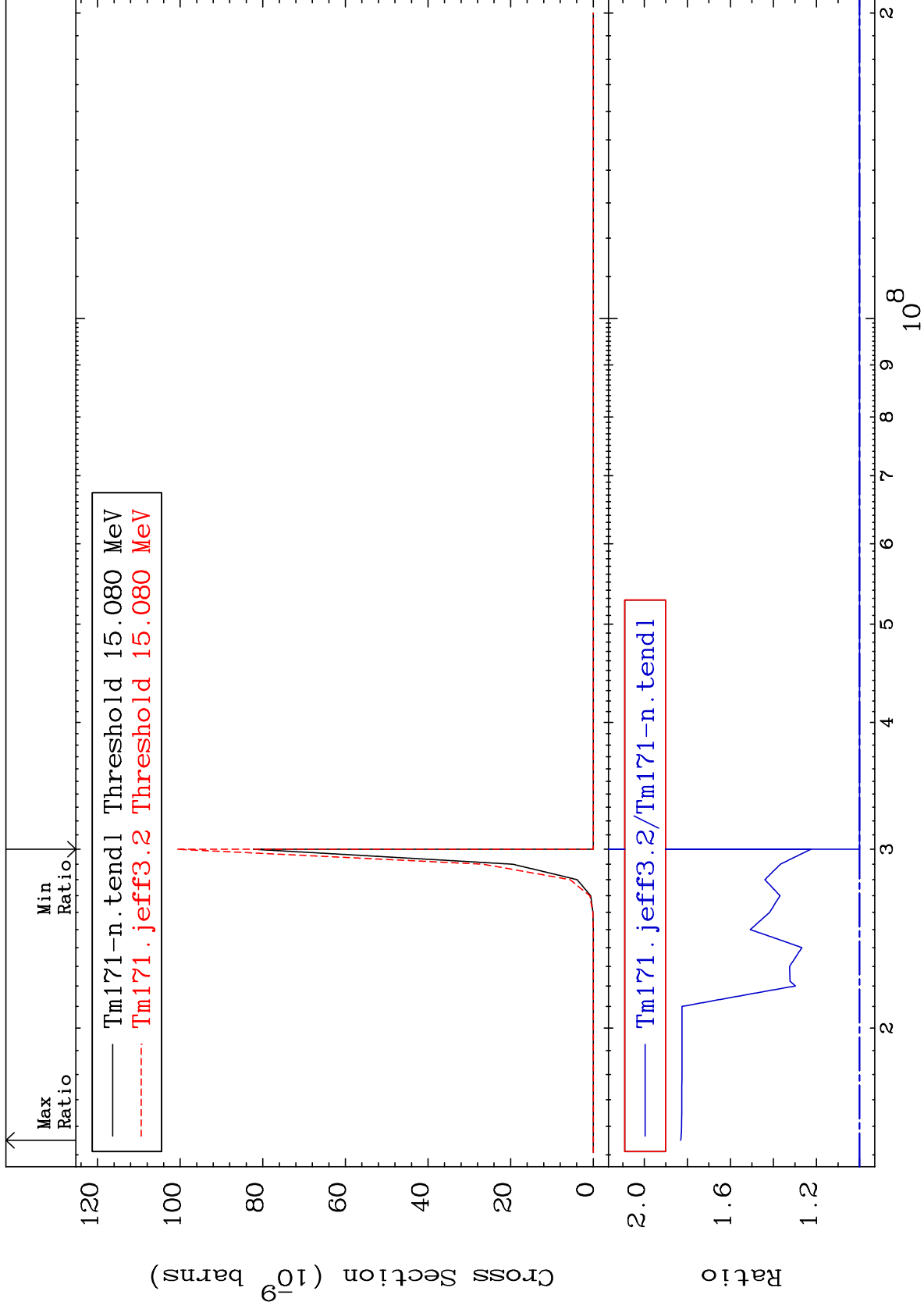
69-Tm-171
0.000 To 2.504 %



MAT 6931

(n,2n) p
Cross Section

69-Tm-171
0.000 To 83.05 %

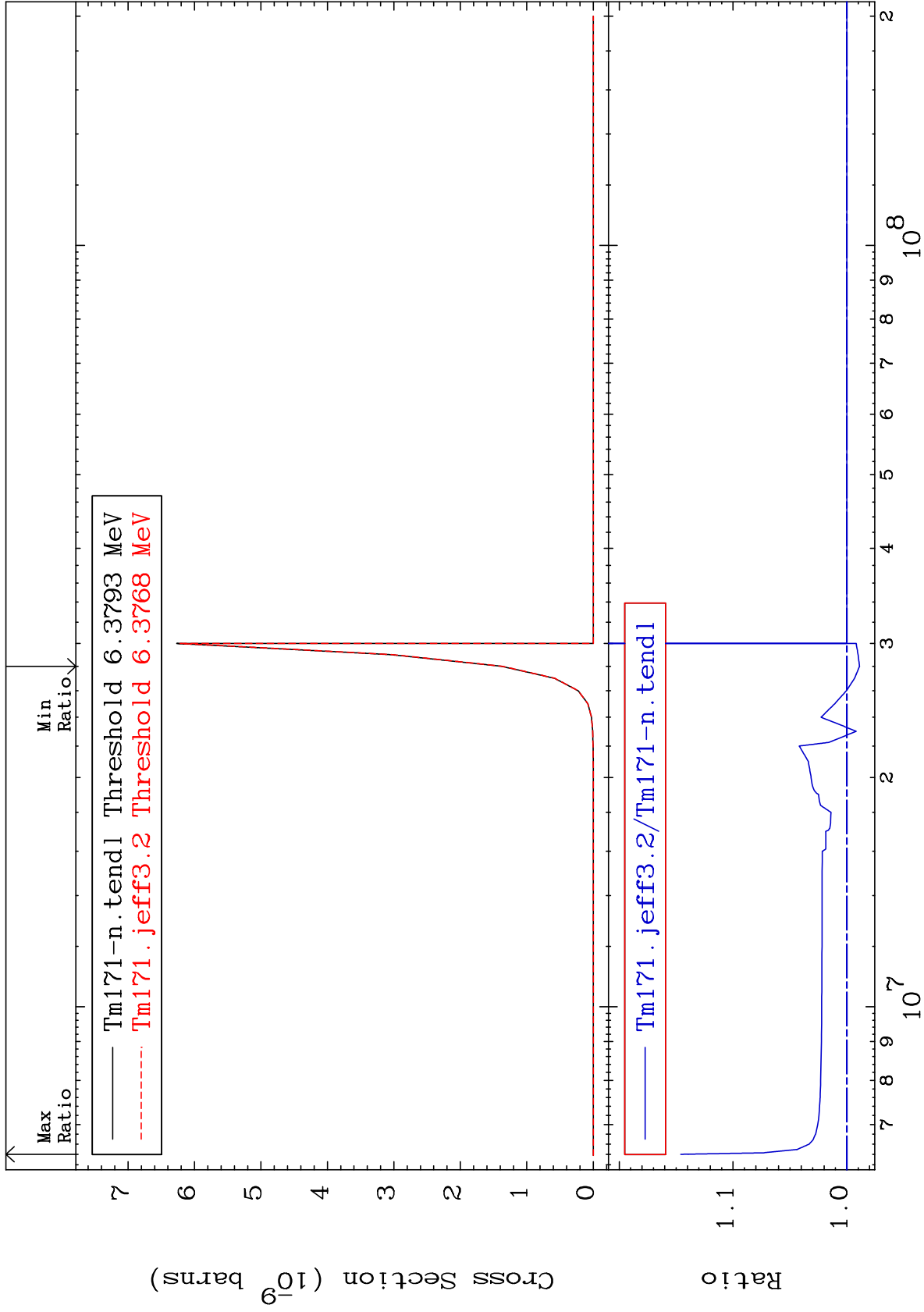


MAT 6931

(n,n') p α
Cross Section

69-Tm-171

-1.116 To 14.59 %

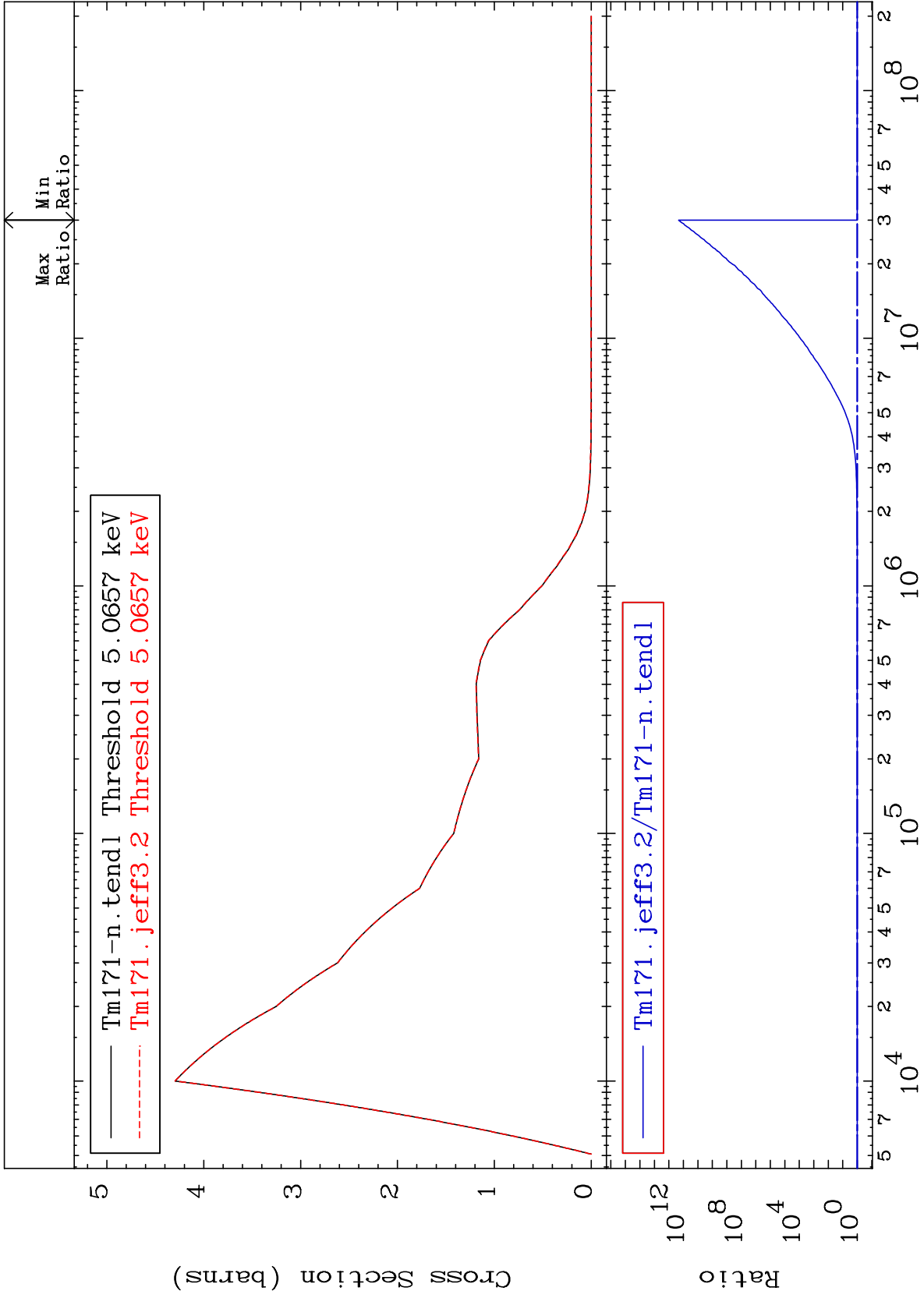


19

MAT 6931

5.036 keV (n,n') Level
Cross Section

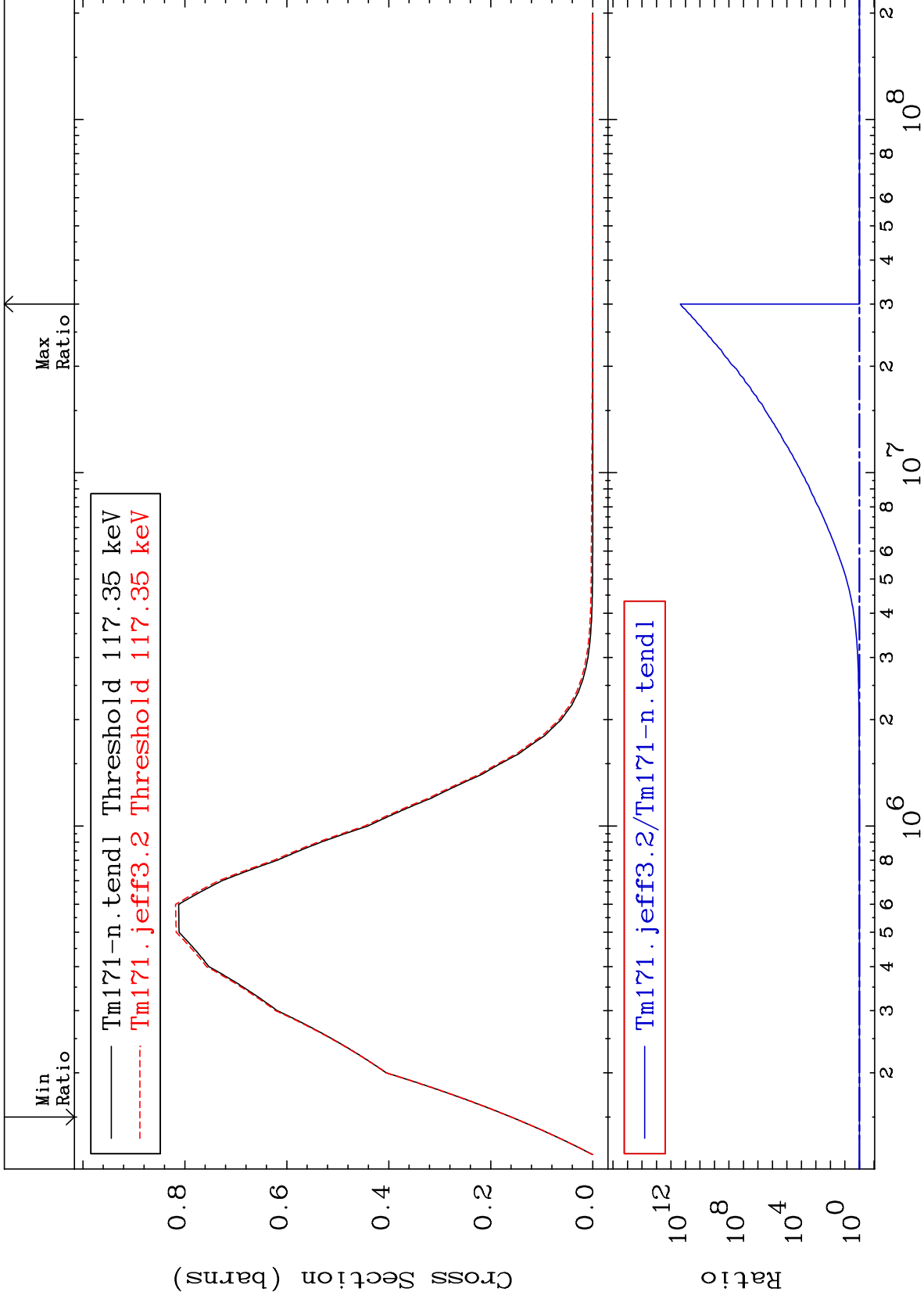
69-Tm-171
To 9999. %



MAT 6931

116.7 keV (n,n') Level
Cross Section

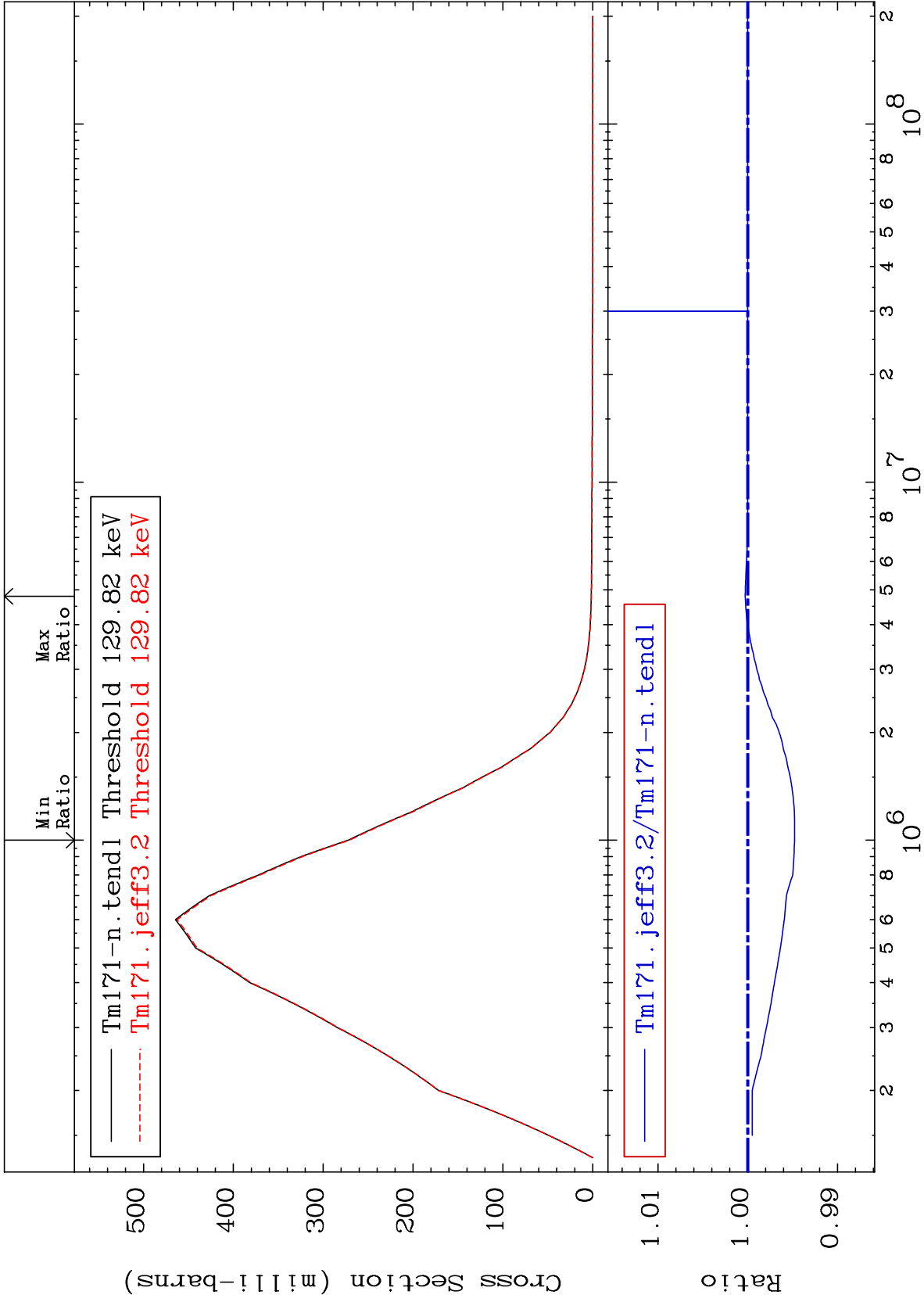
69-Tm-171
-0.051 To 9999. %



MAT 6931

129.1 keV (n,n') Level
Cross Section

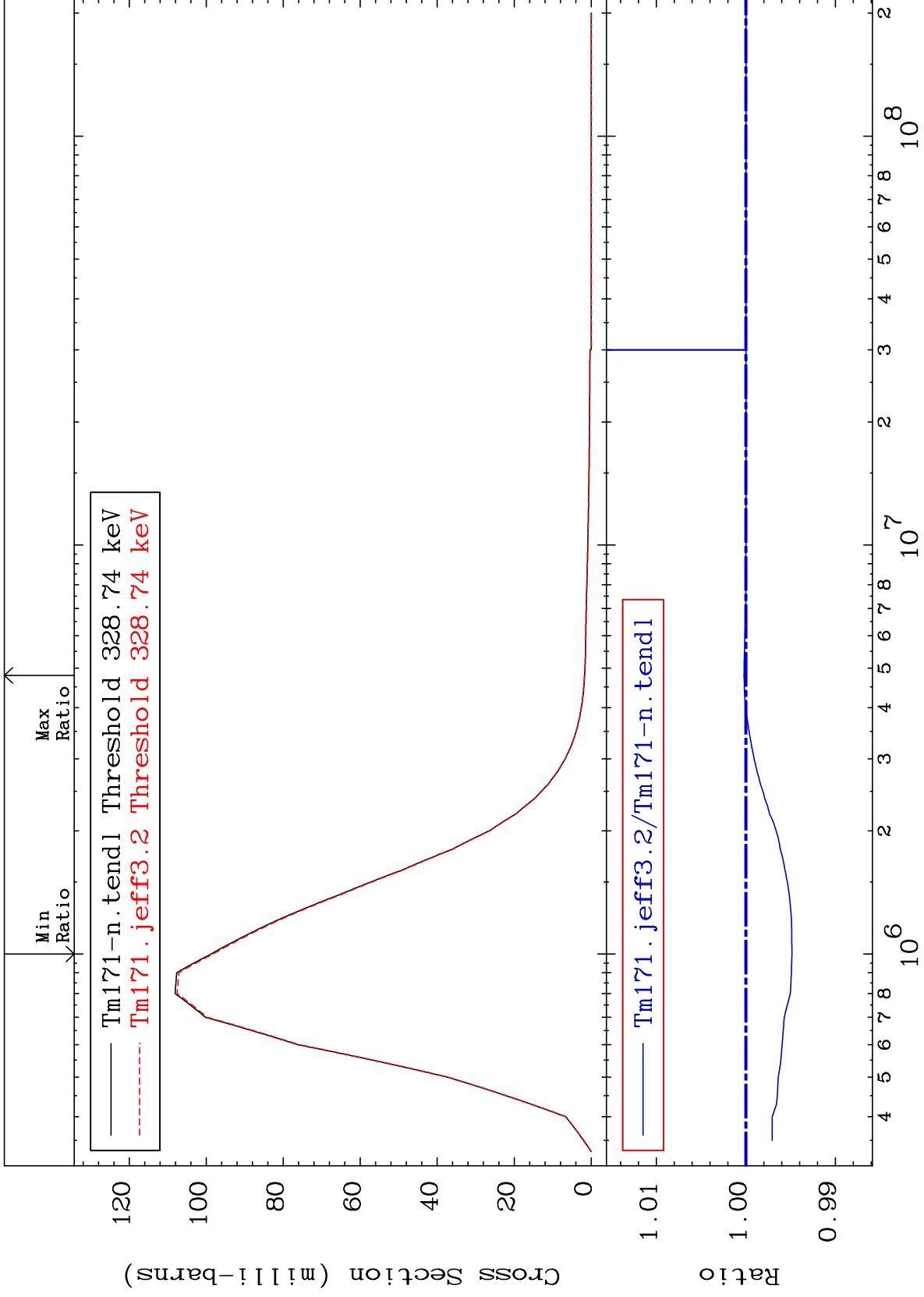
69-Tm-171
-0.522 To 0.028 %



MAT 6931

326.8 keV (n,n') Level
Cross Section

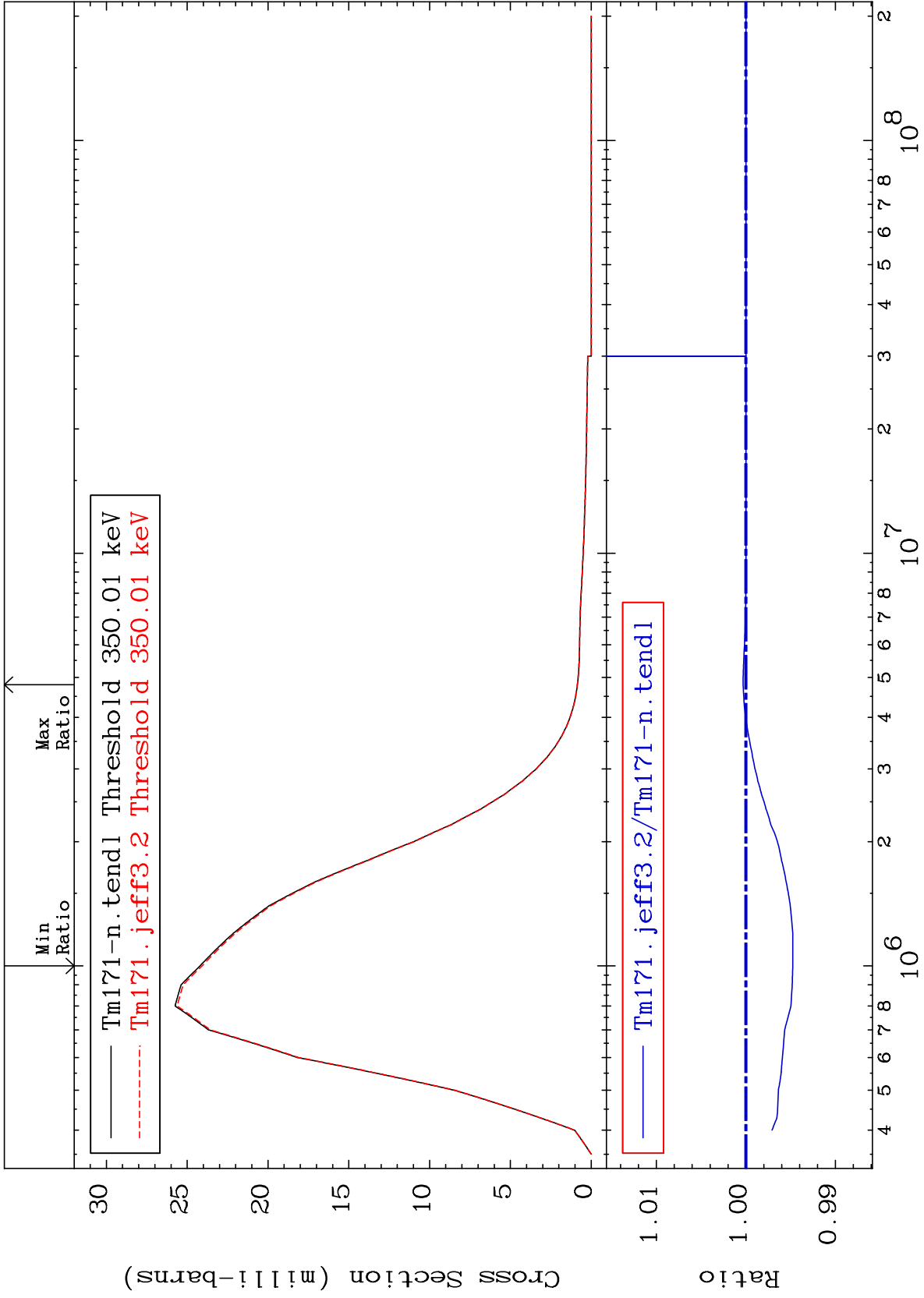
69-Tm-171
-0.514 To 0.021 %



MAT 6931

348.0 keV (n,n') Level
Cross Section

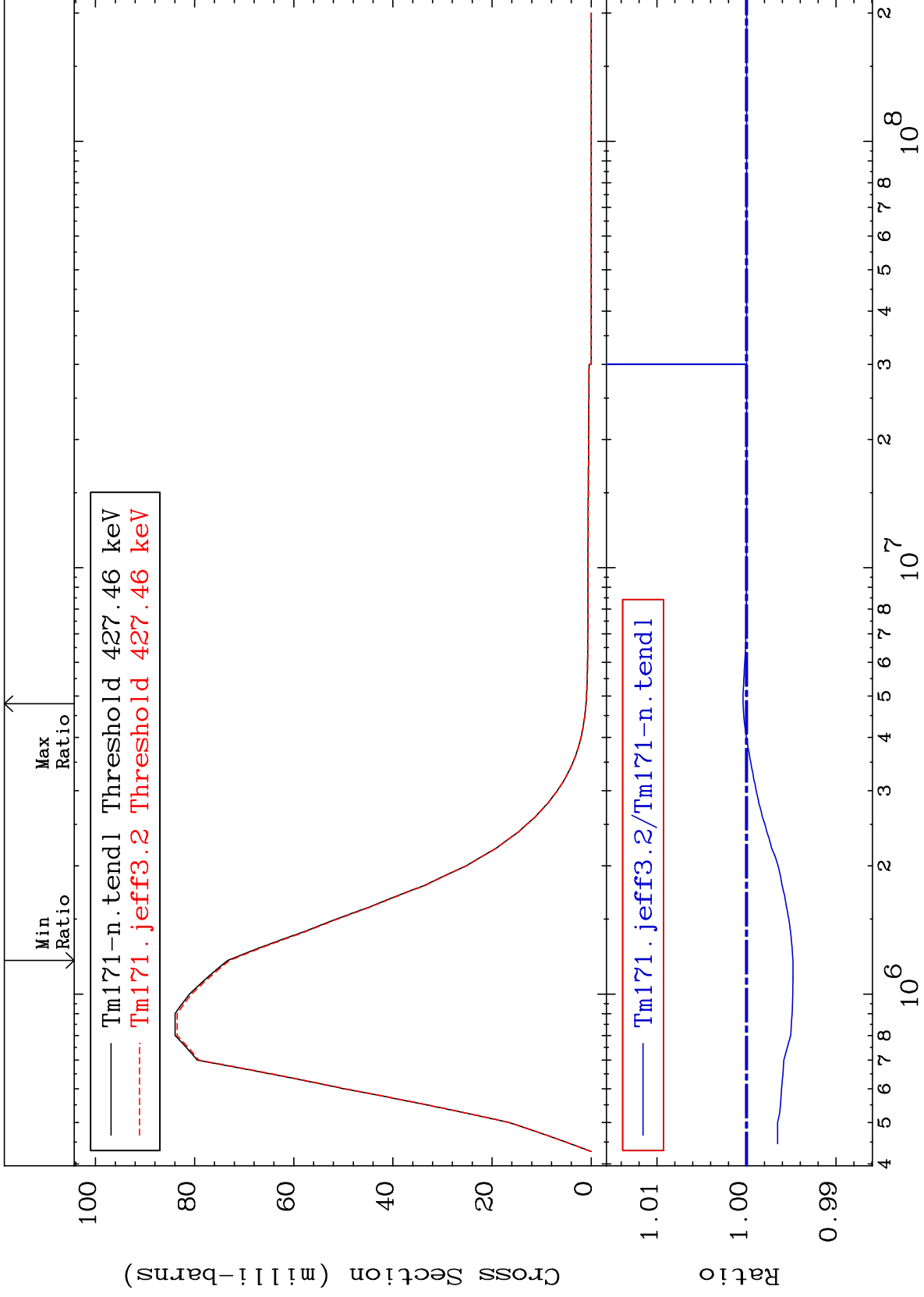
69-Tm-171
-0.524 To 0.032 %



MAT 6931

425.0 keV (n,n') Level
Cross Section

69-Tm-171
-0.518 To 0.039 %



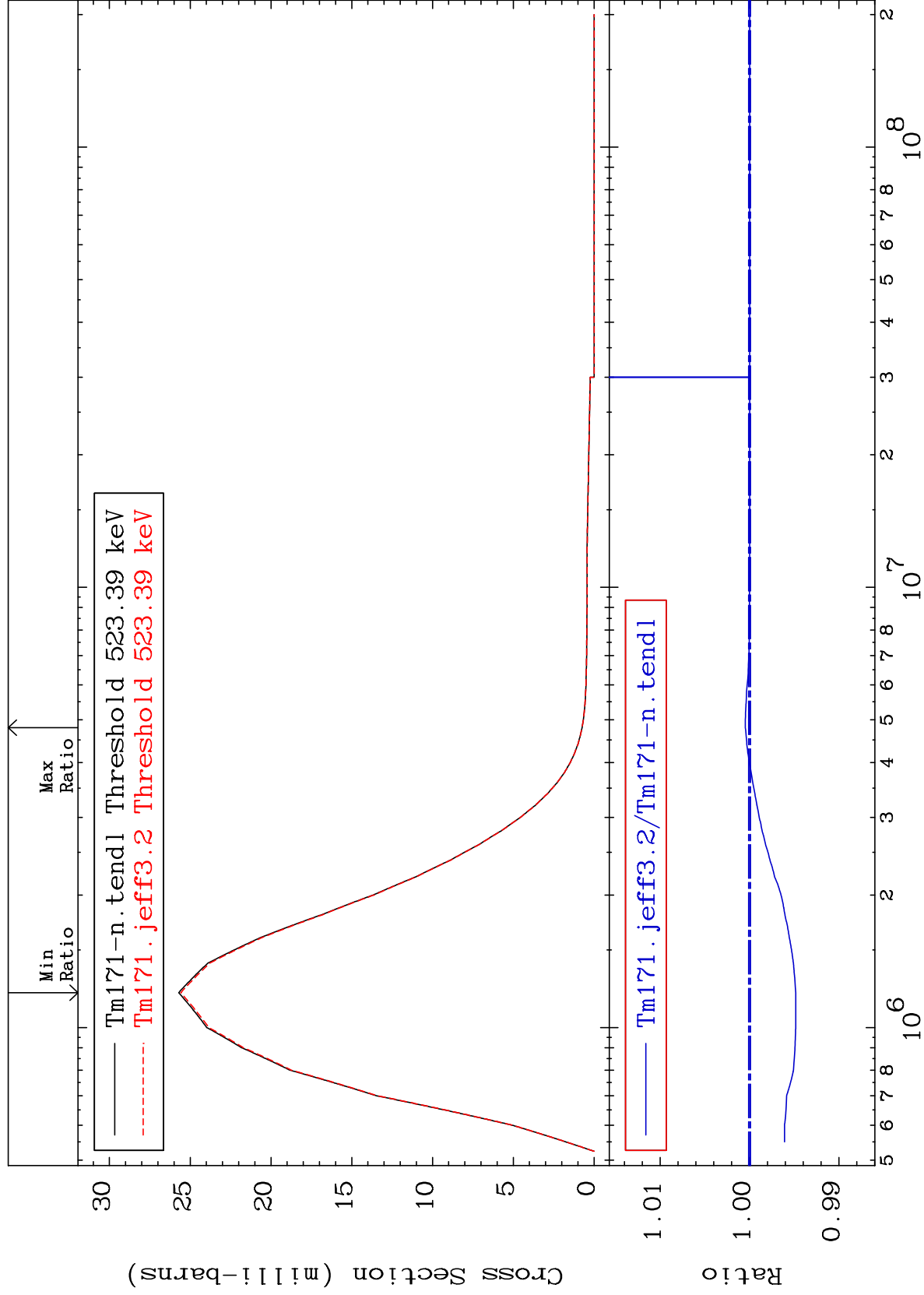
MAT 6931

520.3 keV (n,n') Level

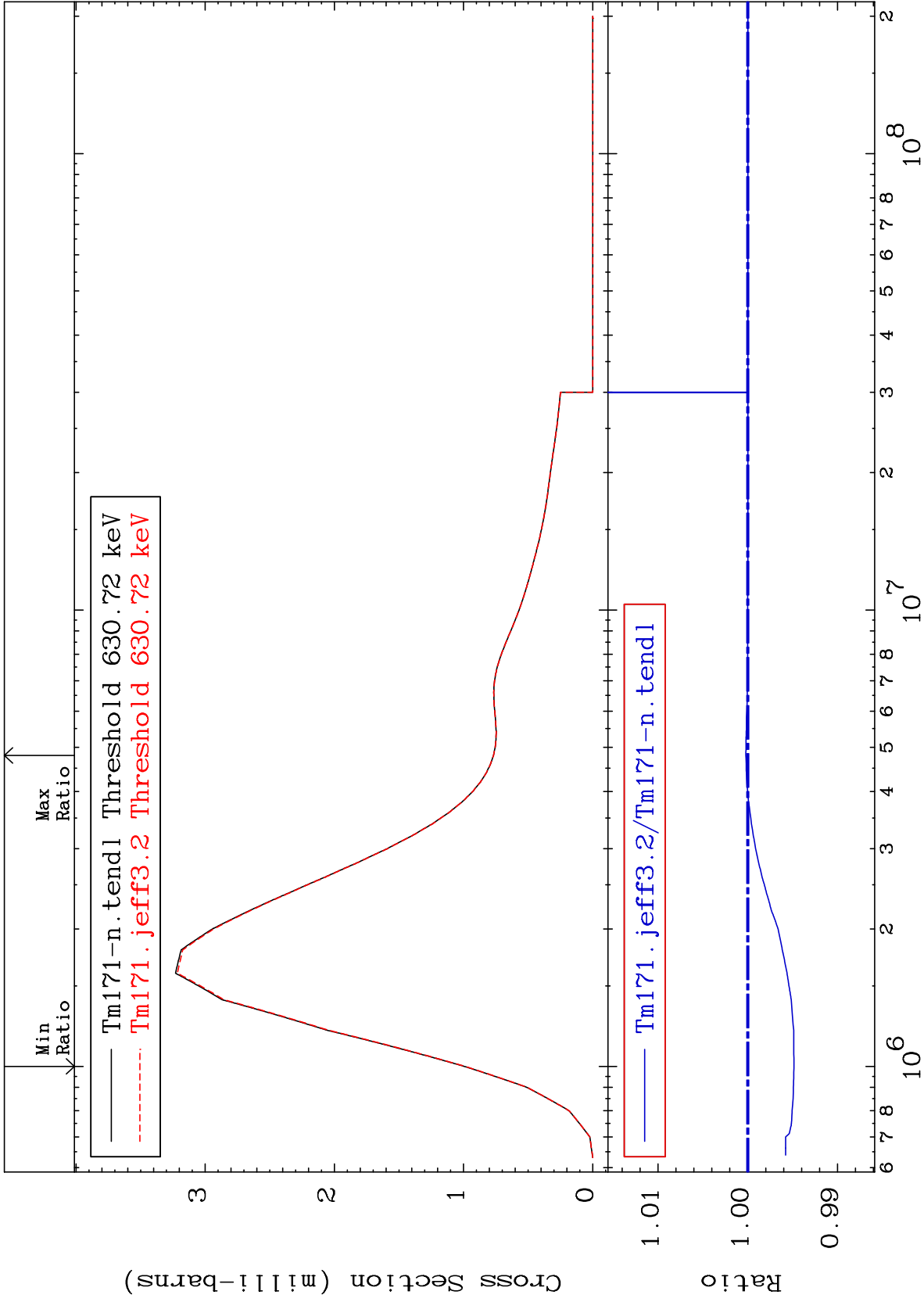
69-Tm-171

-0.517 To 0.047 %

Cross Section



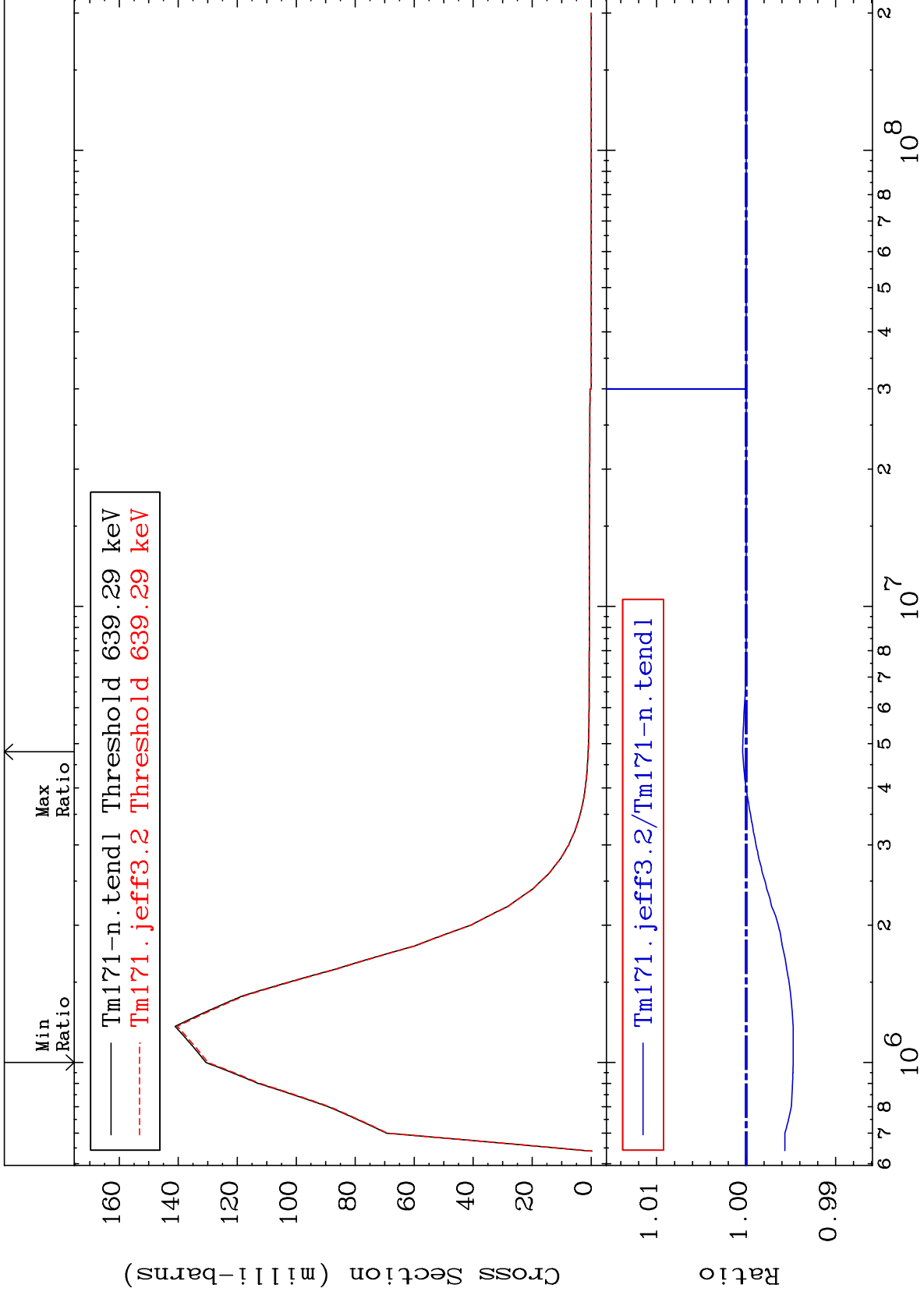
MAT 6931 627.0 keV (n,n') Level 69-Tm-171
Cross Section -0.514 To 0.021 %



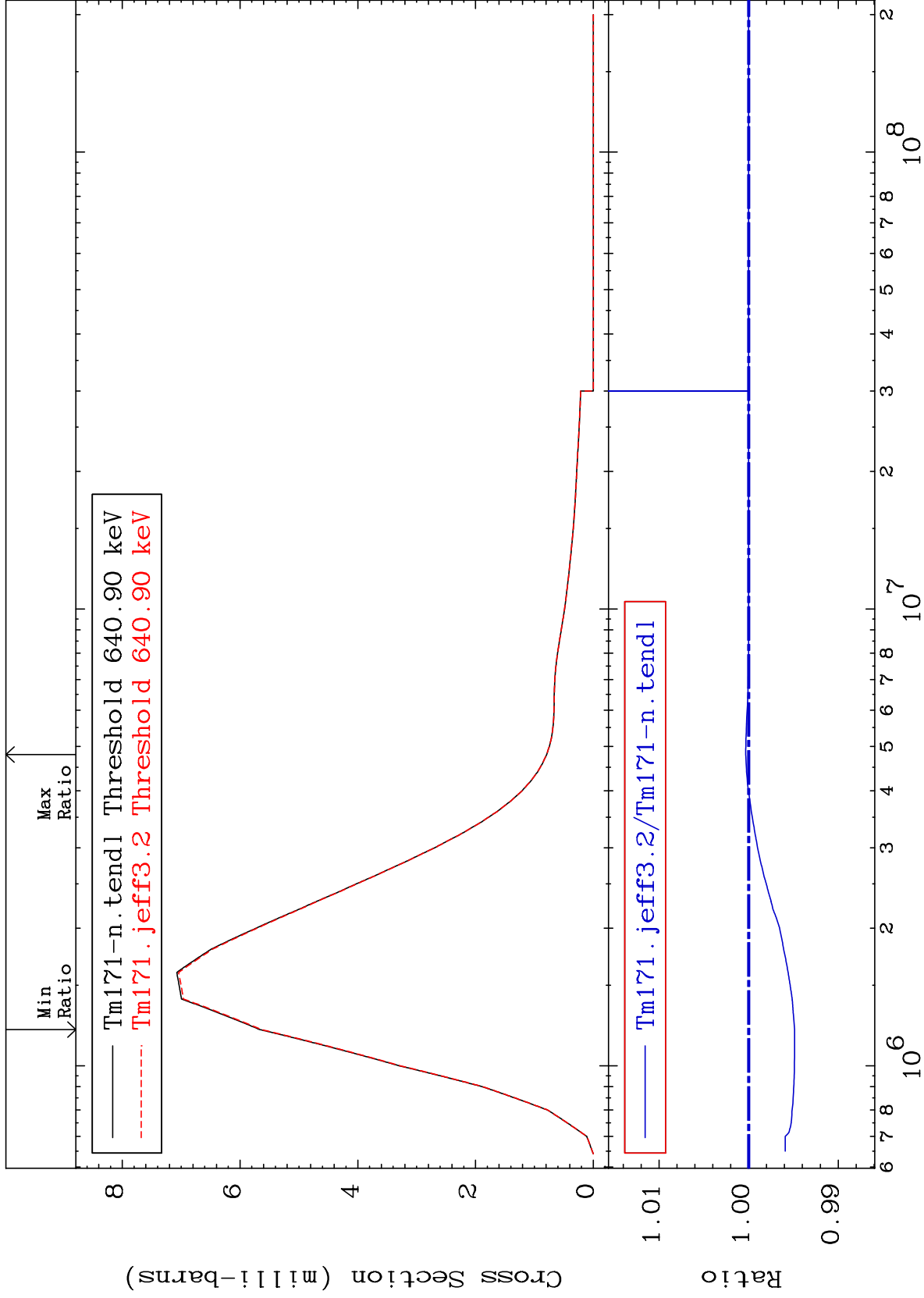
MAT 6931

635.5 keV (n,n') Level
Cross Section

69-Tm-171
-0.525 To 0.039 %



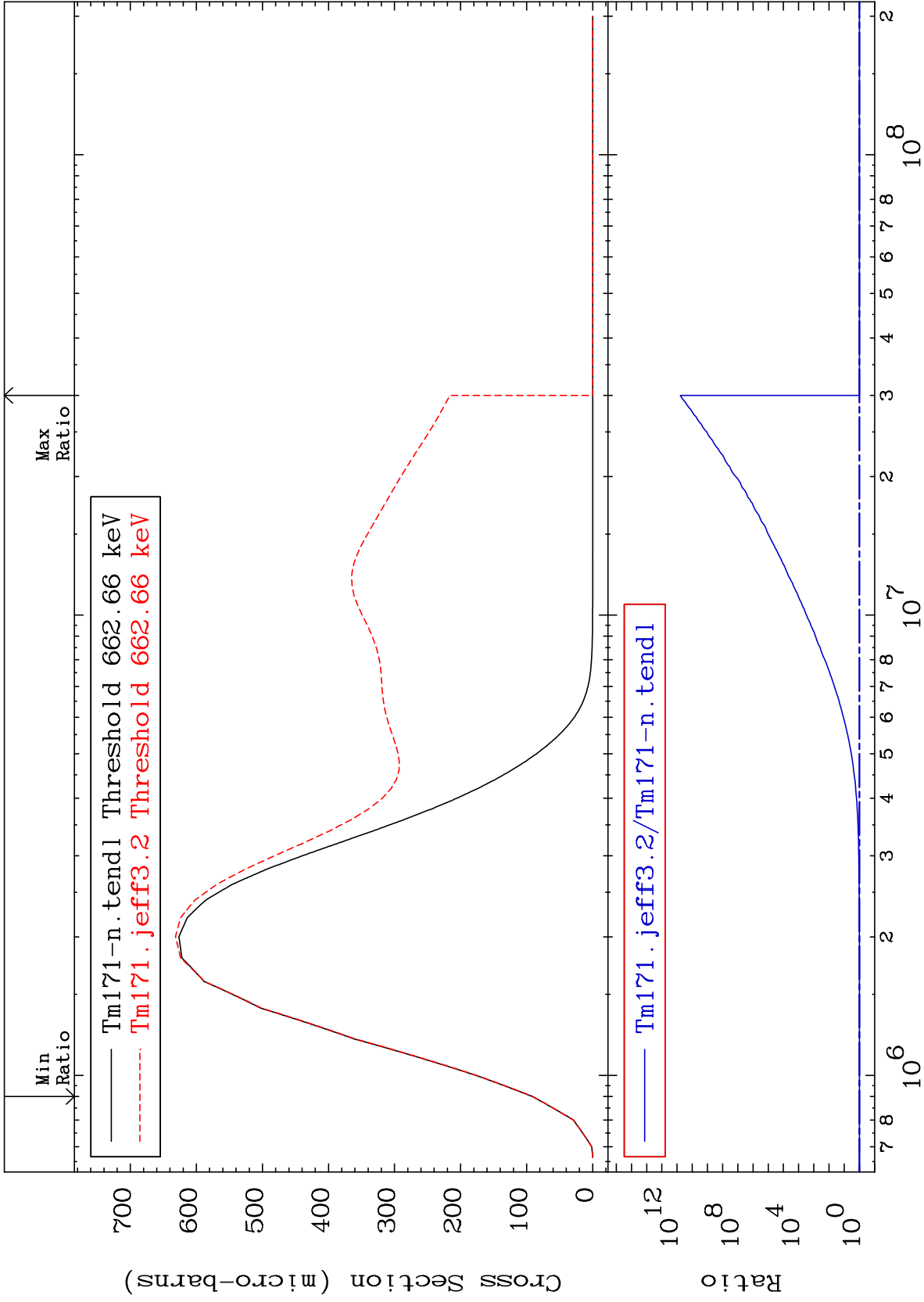
MAT 6931 637.1 keV (n,n') Level 69-Tm-171
 Cross Section -0.513 To 0.033 %



MAT 6931

658.8 keV (n,n') Level
Cross Section

69-Tm-171
-0.483 To 9999. %



30

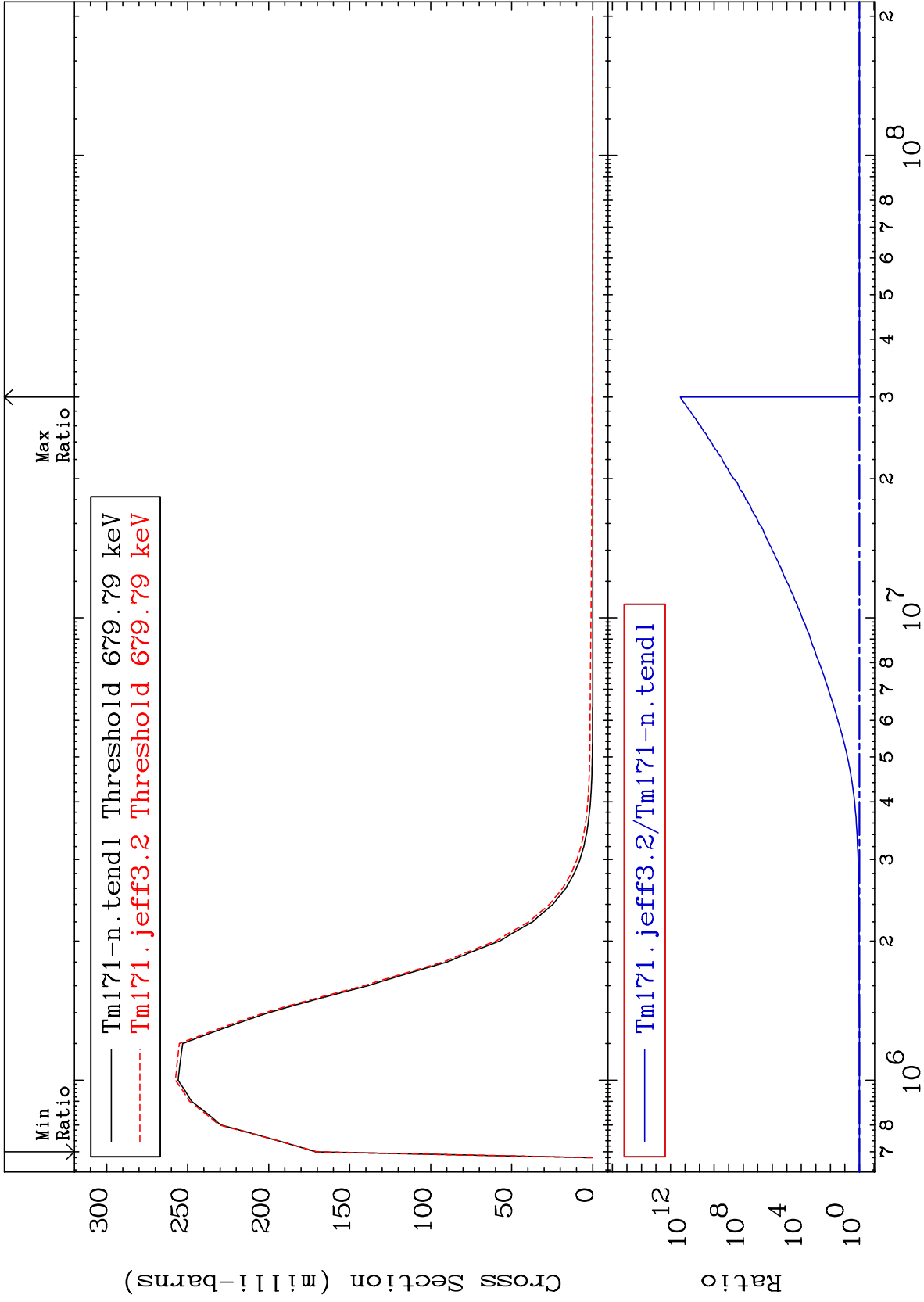
Incident Energy (eV)

69-Tm-171

MAT 6931

675.8 keV (n,n') Level
Cross Section

69-Tm-171
-0.436 To 9999. %



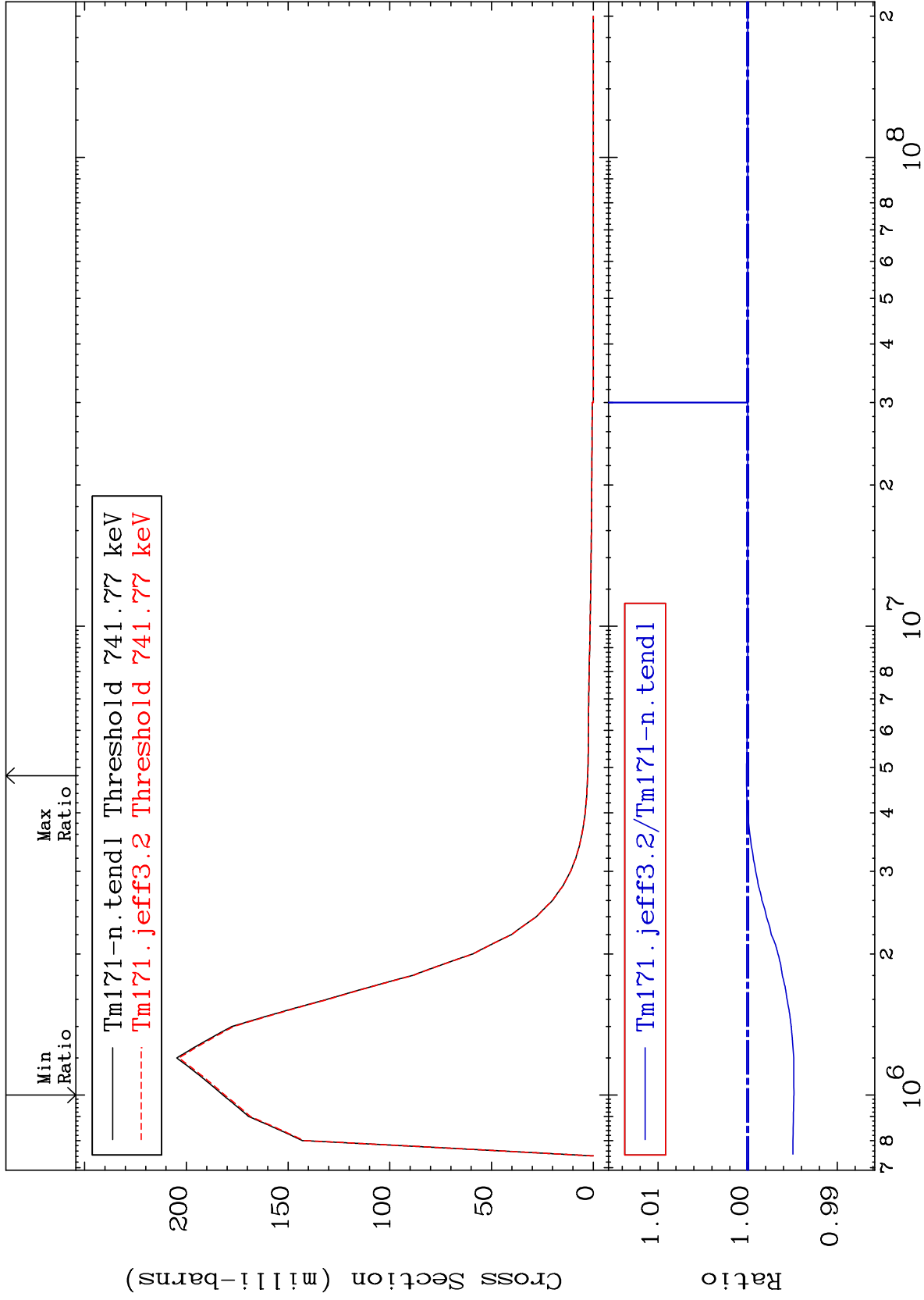
MAT 6931

737.4 keV (n,n') Level

69-Tm-171

-0.515 To 0.014 %

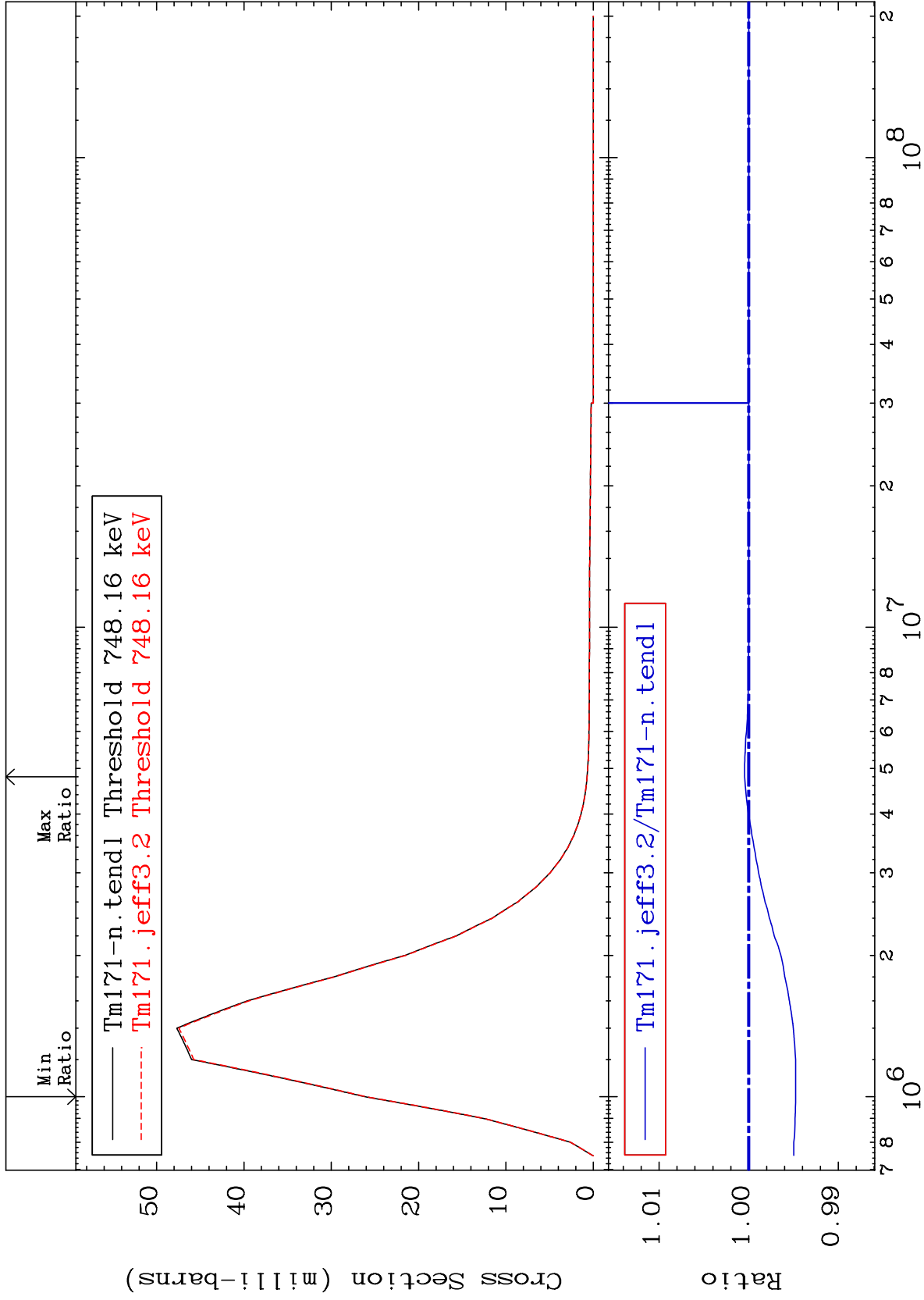
Cross Section



MAT 6931

743.8 keV (n,n') Level
Cross Section

69-Tm-171
-0.524 To 0.046 %



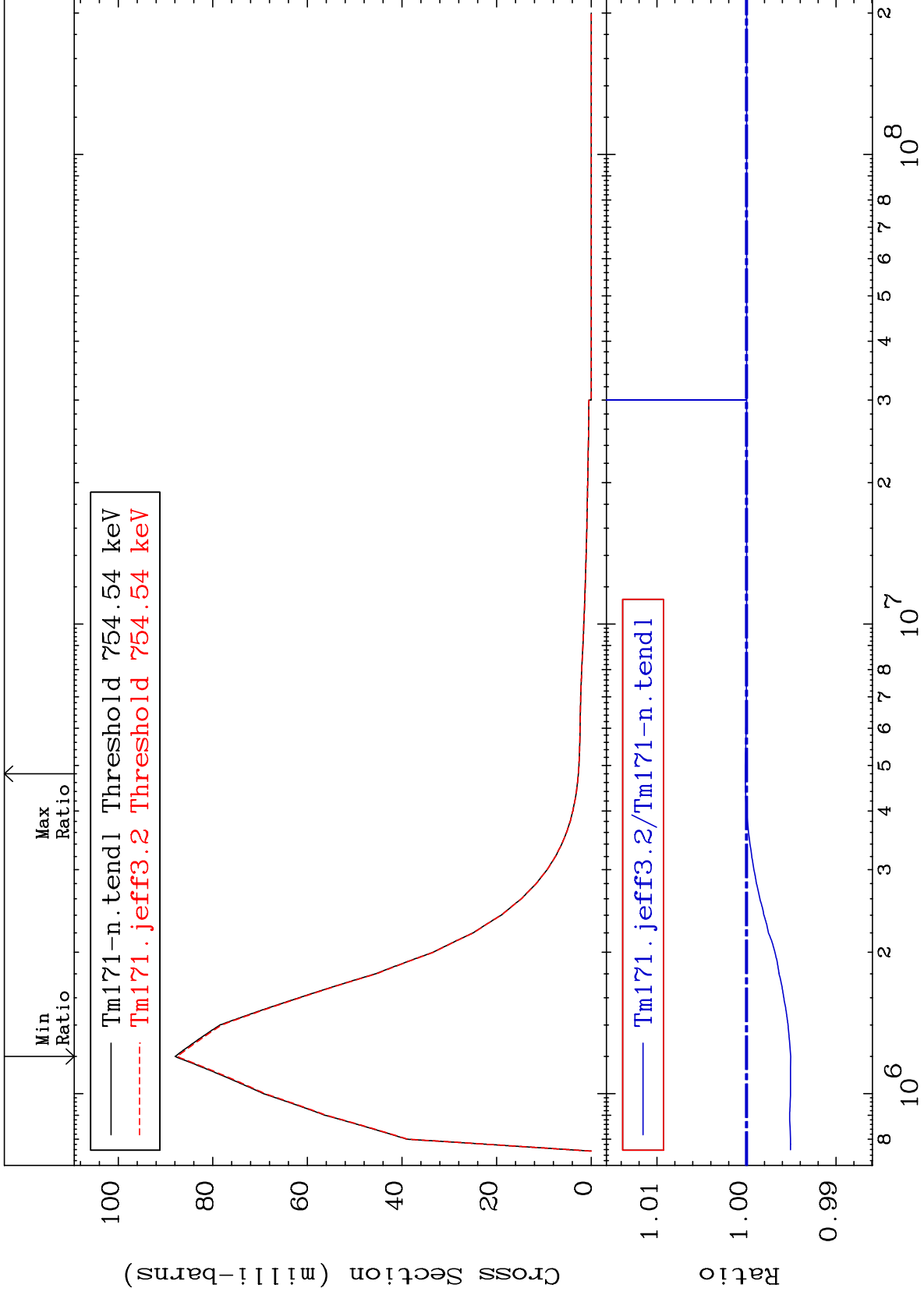
33

69-Tm-171

MAT 6931

750.1 keV (n,n') Level
Cross Section

69-Tm-171
-0.492 To 0.014 %



34

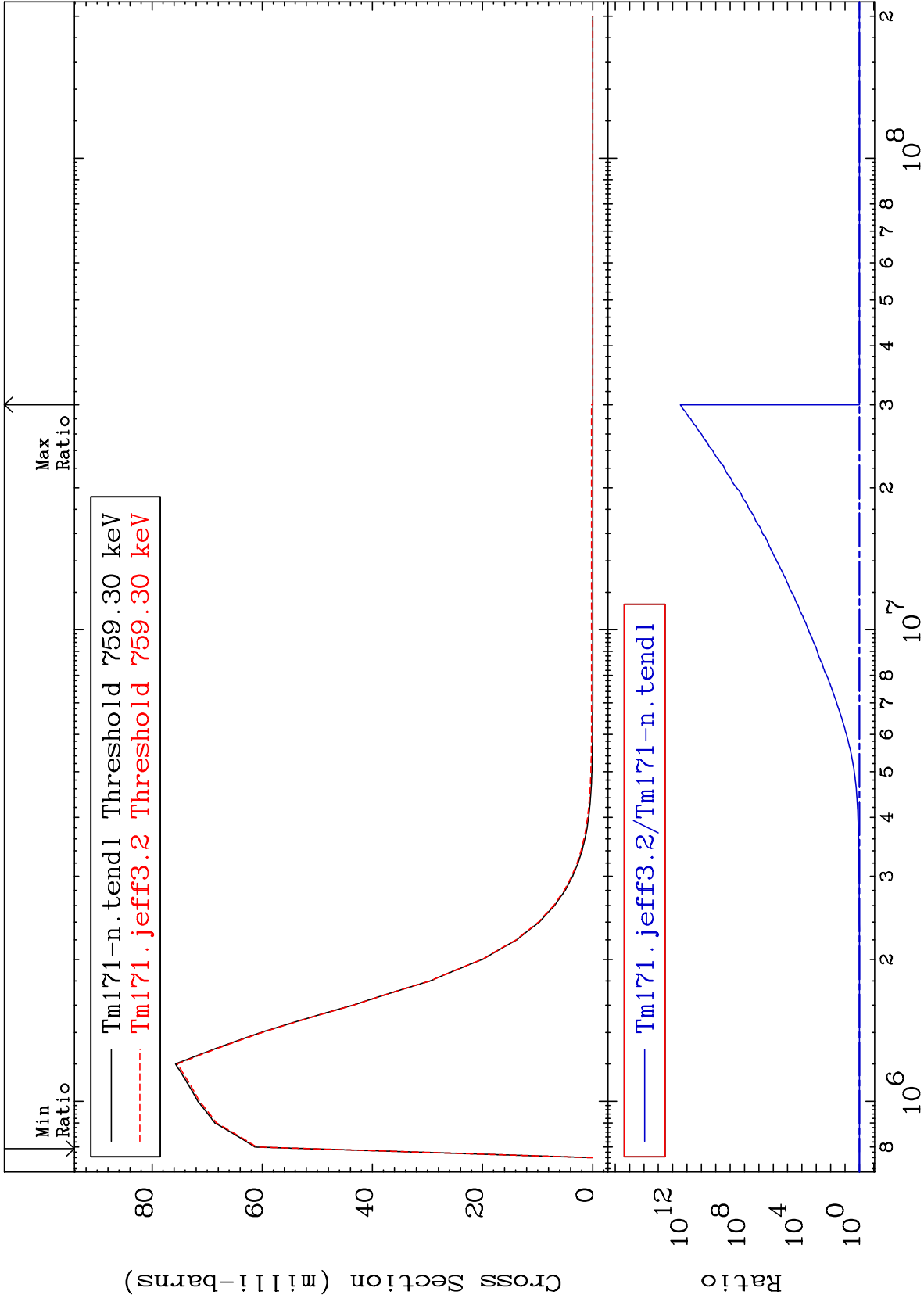
Incident Energy (eV)

69-Tm-171

MAT 6931

754.8 keV (n,n') Level
Cross Section

69-Tm-171
-0.496 To 9999. %



35

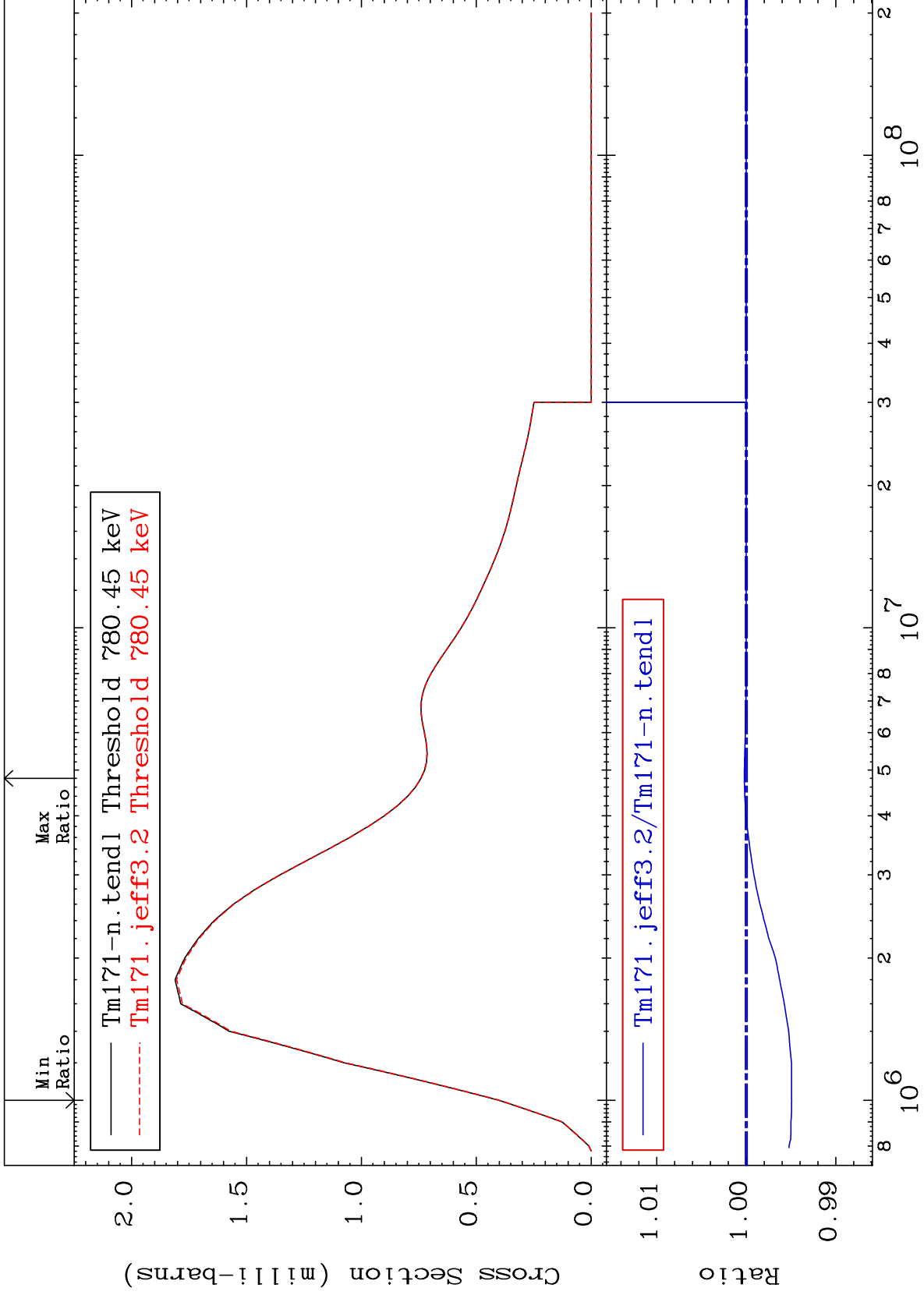
Incident Energy (eV)

69-Tm-171

MAT 6931

775.9 keV (n,n') Level
Cross Section

69-Tm-171
-0.507 To 0.023 %



36

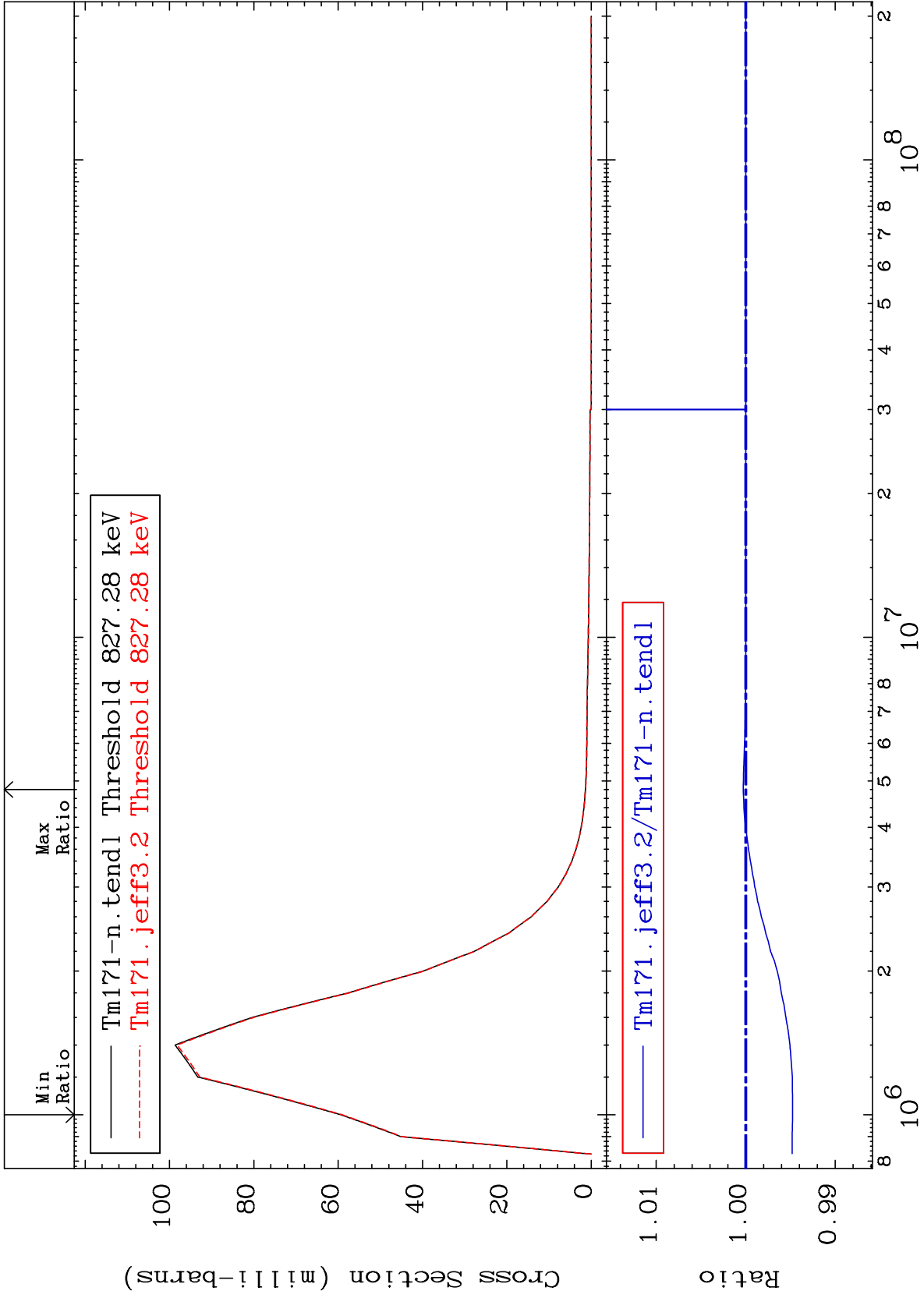
Incident Energy (eV)

69-Tm-171

MAT 6931

822.4 keV (n,n') Level
Cross Section

69-Tm-171
-0.524 To 0.028 %



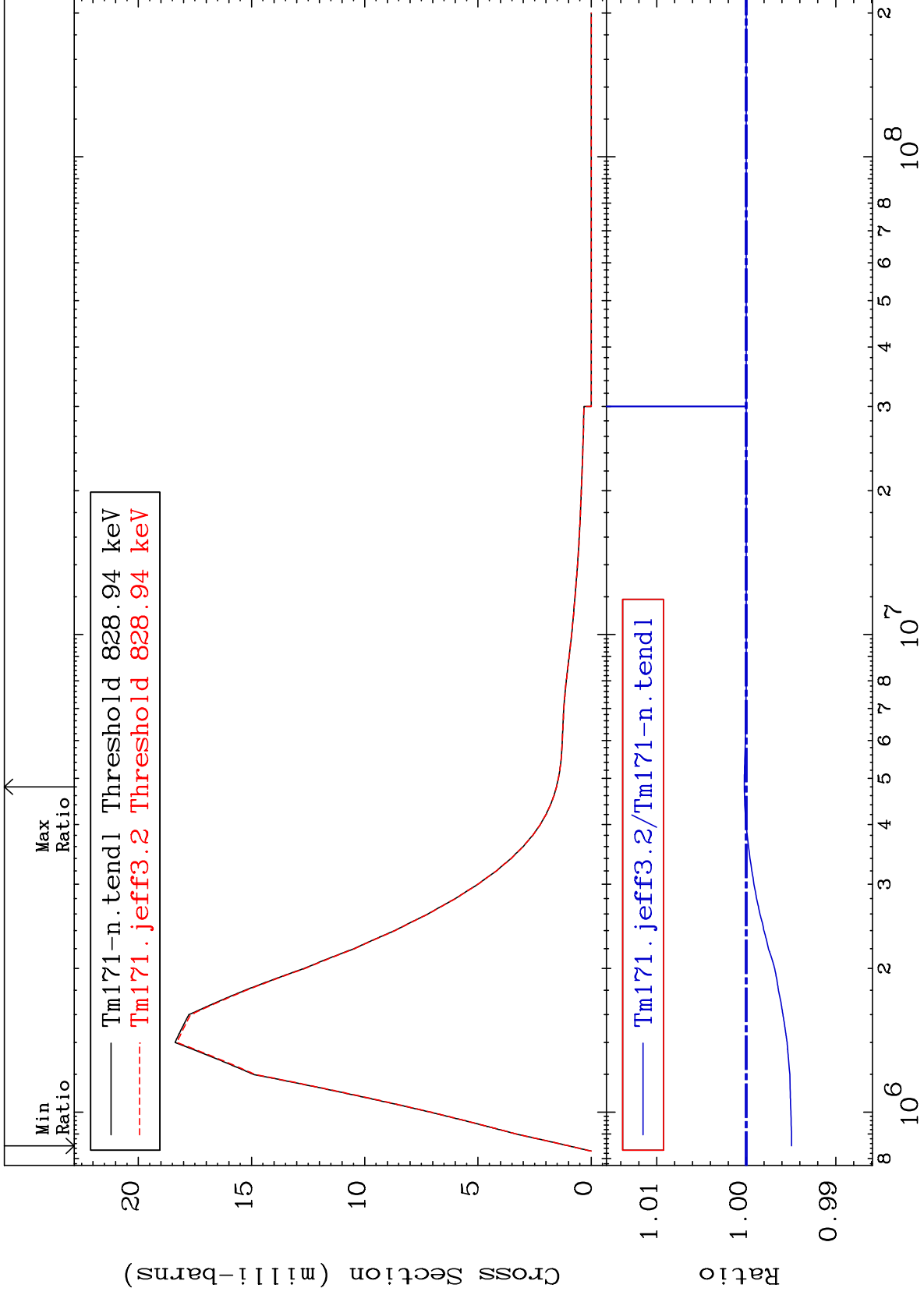
37

69-Tm-171

MAT 6931

824.1 keV (n,n') Level
Cross Section

69-Tm-171
-0.507 To 0.022 %



38

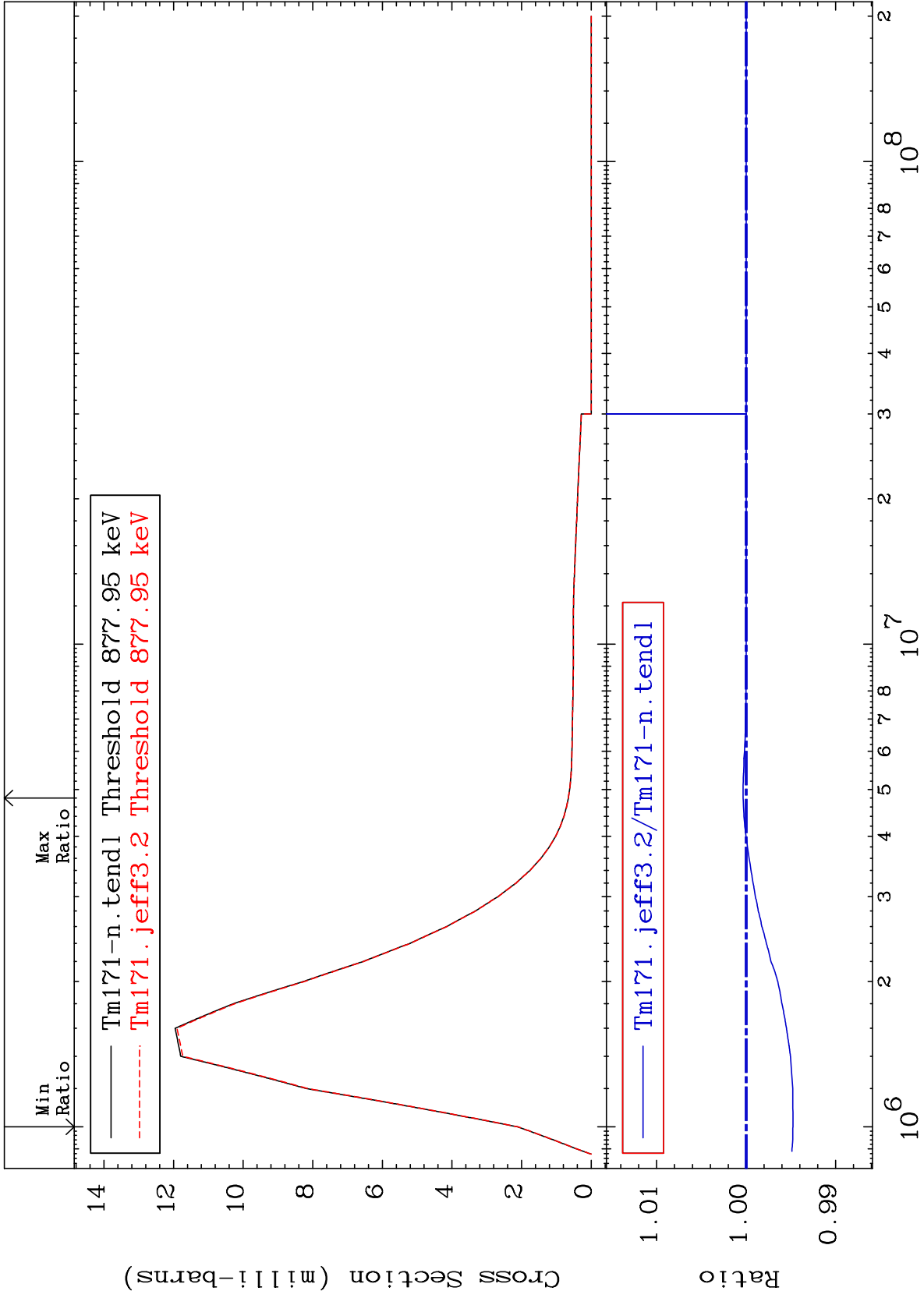
Incident Energy (eV)

69-Tm-171

MAT 6931

872.8 keV (n,n') Level
Cross Section

69-Tm-171
-0.522 To 0.035 %



39

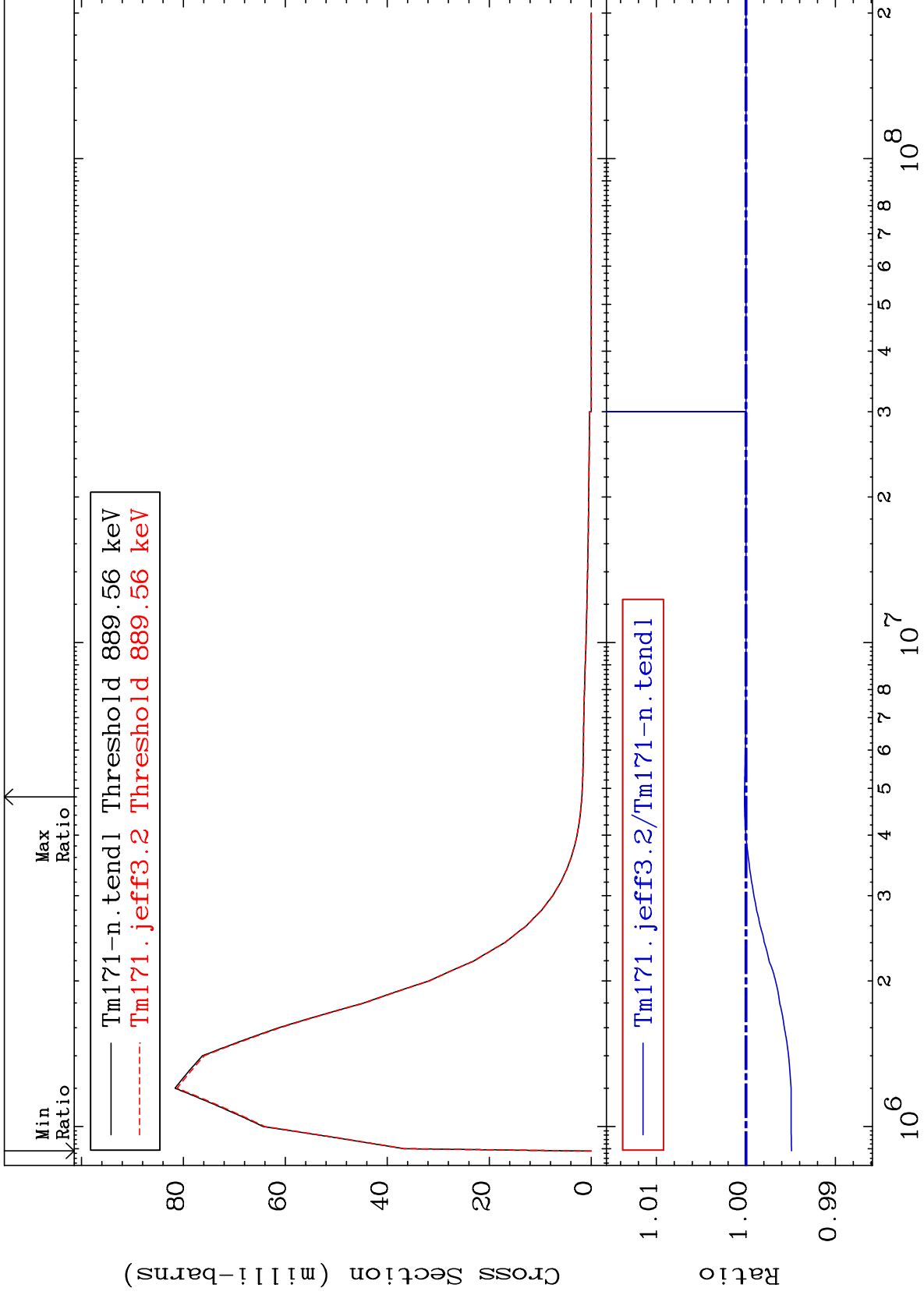
Incident Energy (eV)

69-Tm-171

MAT 6931

884.3 keV (n,n') Level
Cross Section

69-Tm-171
-0.508 To 0.017 %



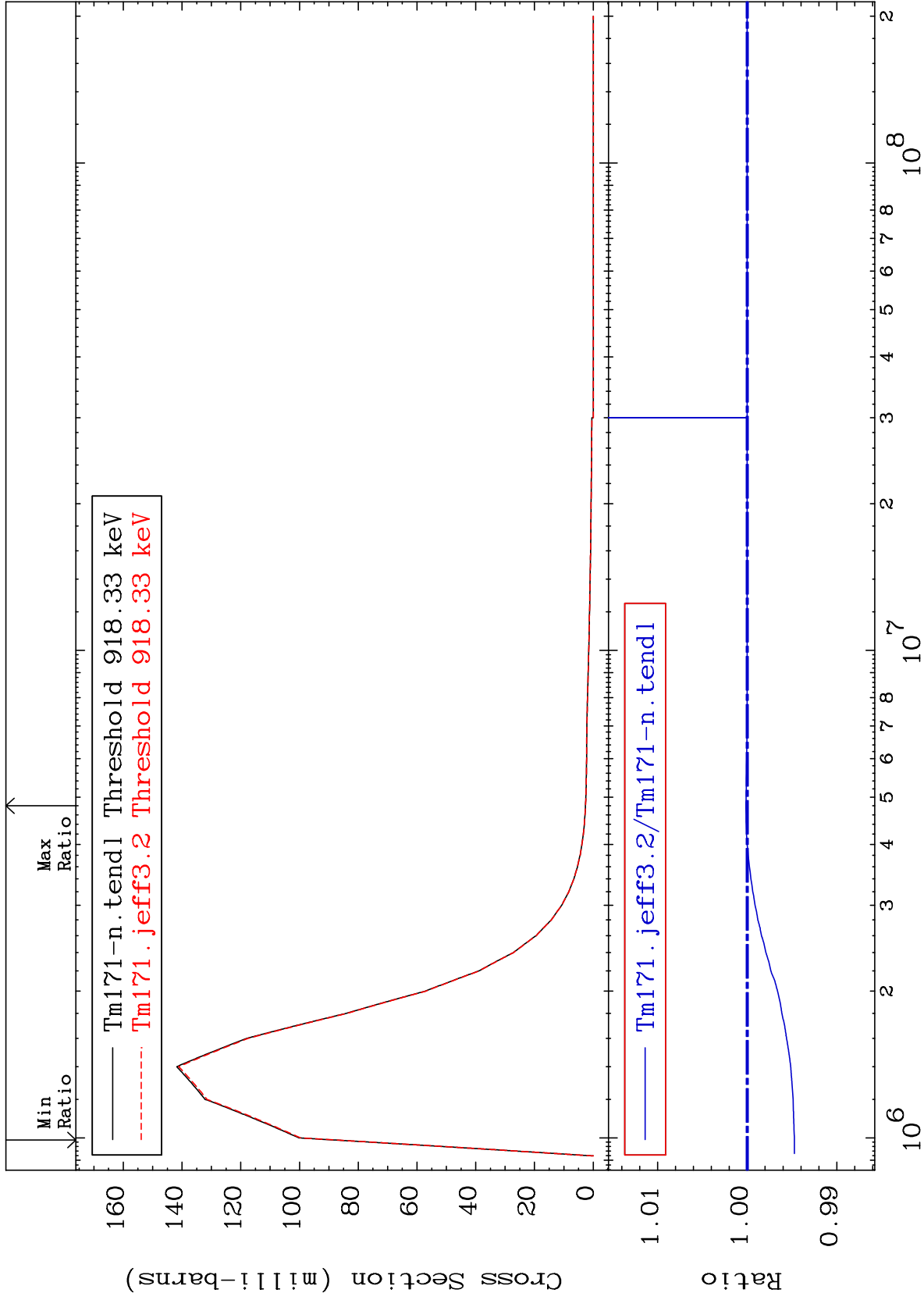
69-Tm-171

69-Tm-171

MAT 6931

912.9 keV (n,n') Level
Cross Section

69-Tm-171
-0.526 To 0.014 %

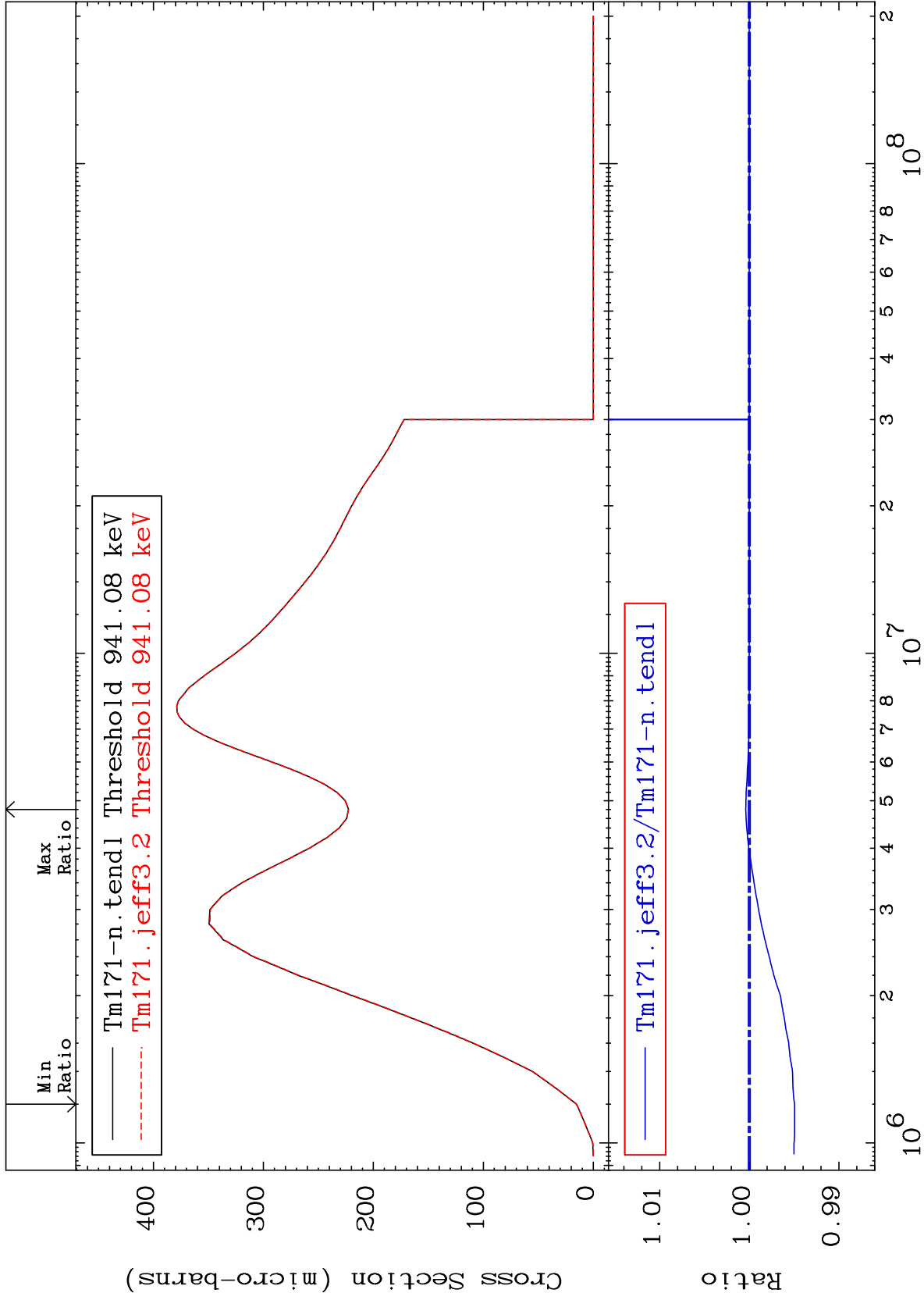


41

Incident Energy (eV)

69-Tm-171

MAT 6931 935.6 keV (n,n') Level 69-Tm-171
 Cross Section -0.506 To 0.040 %

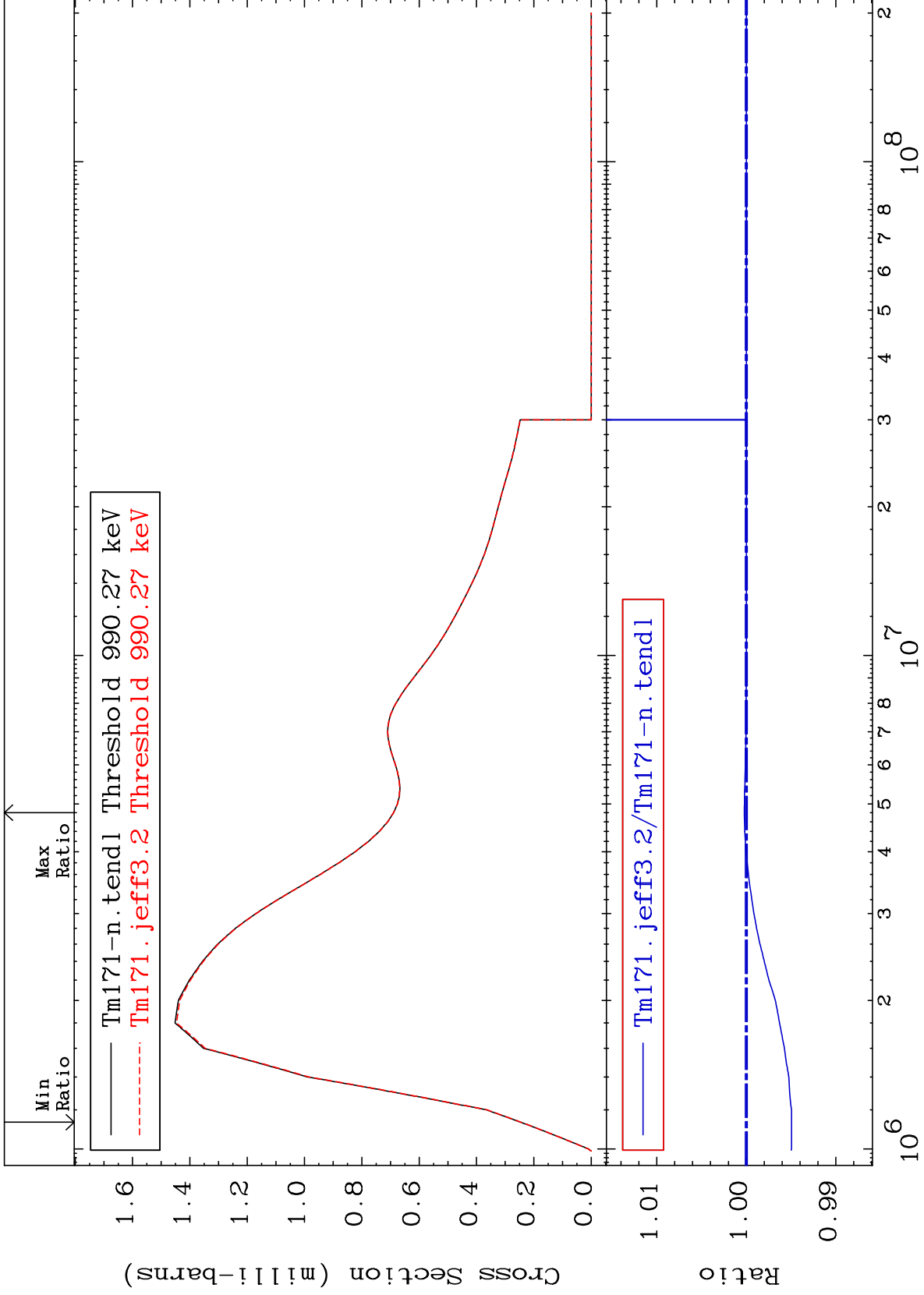


42 Incident Energy (eV) 69-Tm-171

MAT 6931

984.5 keV (n,n') Level
Cross Section

69-Tm-171
-0.506 To 0.023 %



43

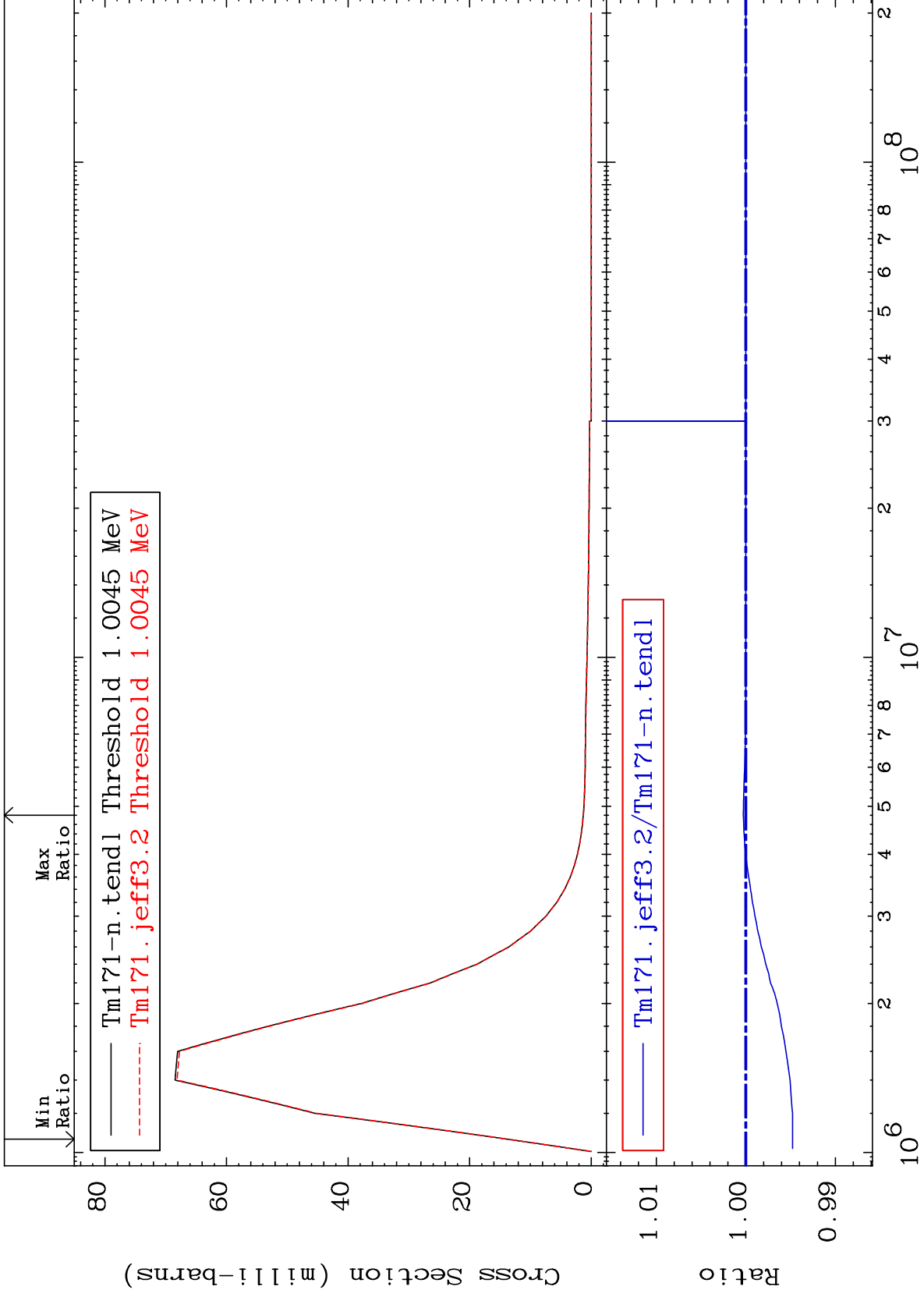
Incident Energy (eV)

69-Tm-171

MAT 6931

998.6 keV (n,n') Level
Cross Section

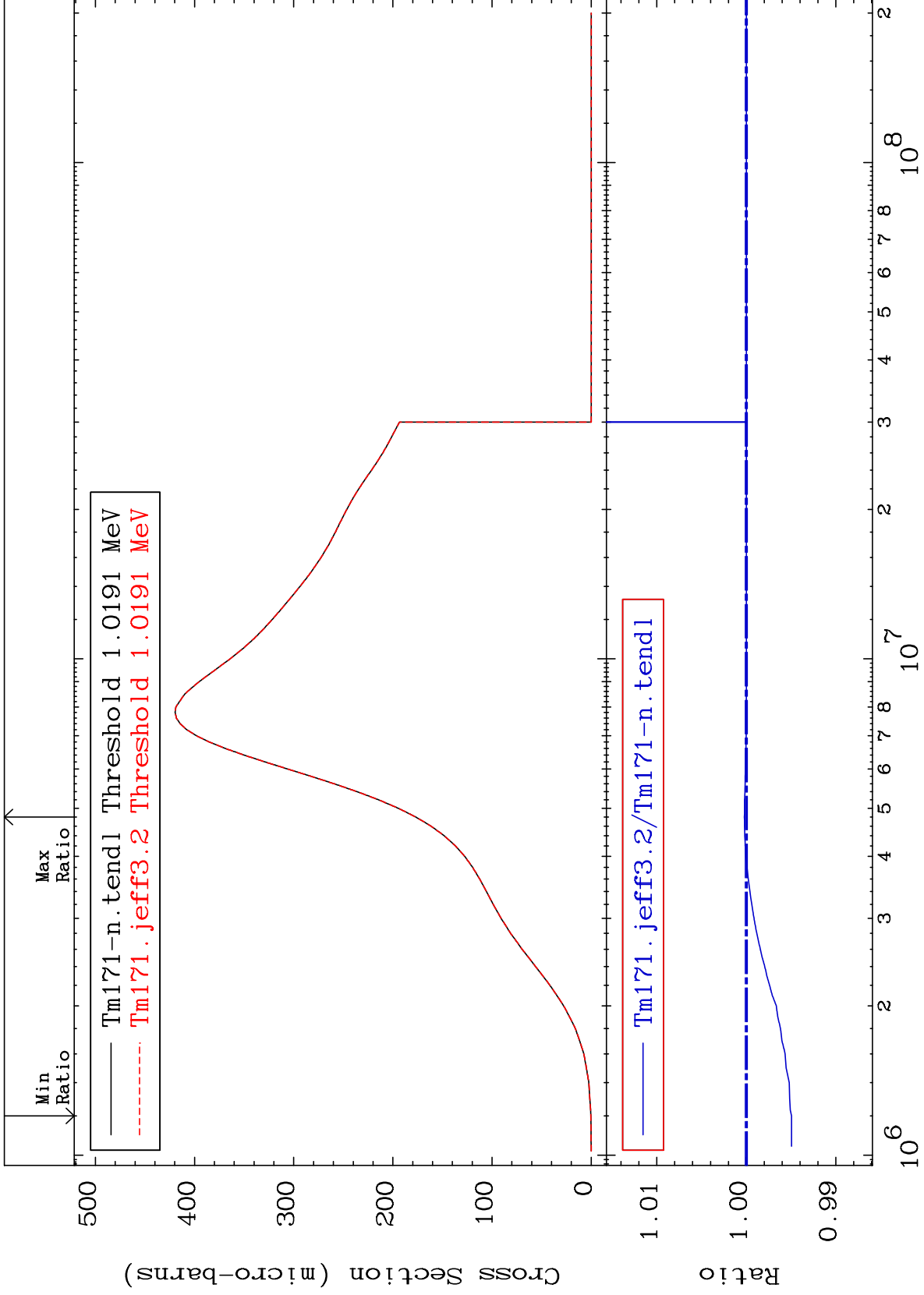
69-Tm-171
-0.522 To 0.028 %



MAT 6931

1.013 MeV (n,n') Level
Cross Section

69-Tm-171
-0.505 To 0.022 %



45

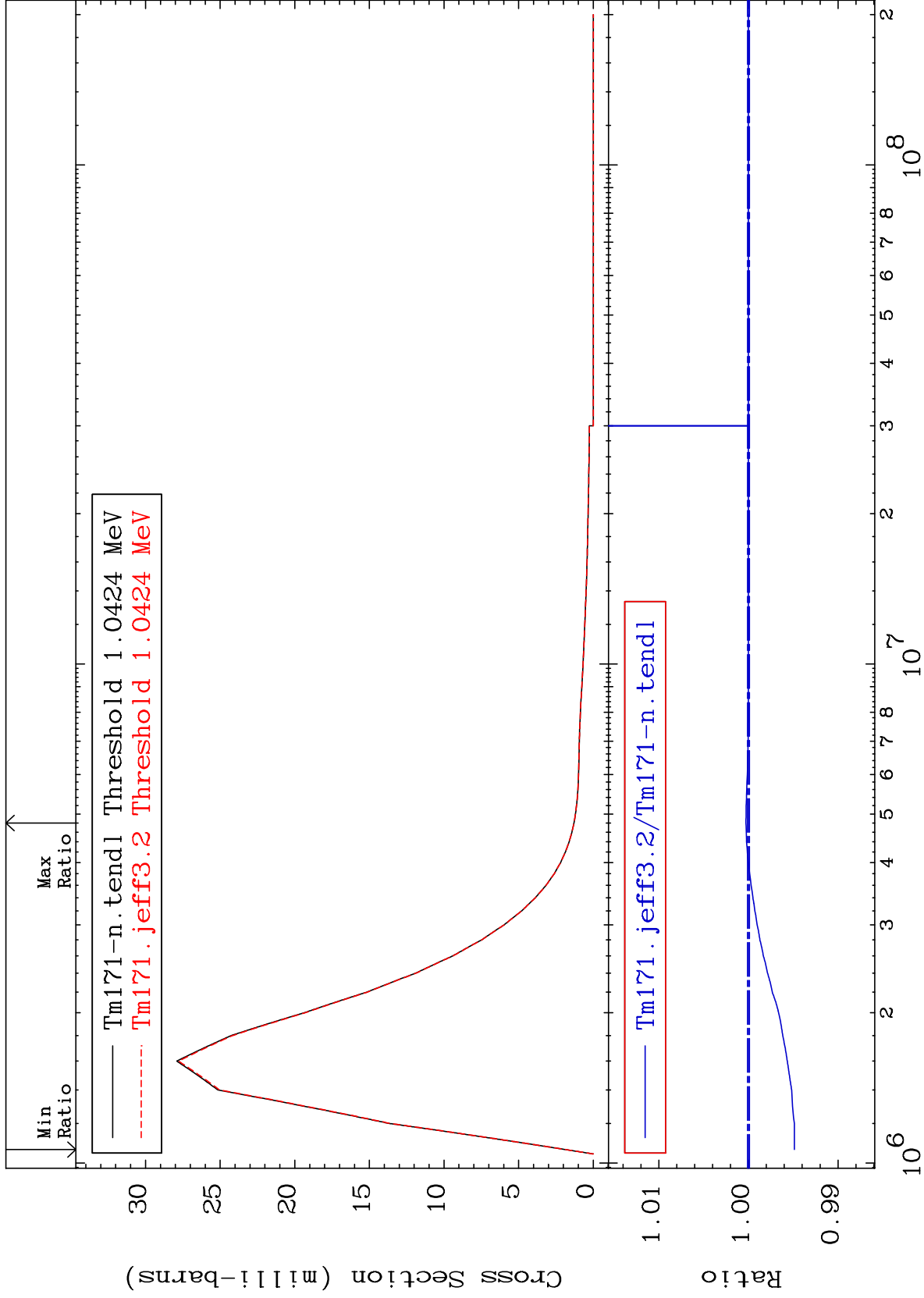
Incident Energy (eV)

69-Tm-171

MAT 6931

1.036 MeV (n,n') Level
Cross Section

69-Tm-171
-0.513 To 0.028 %



46

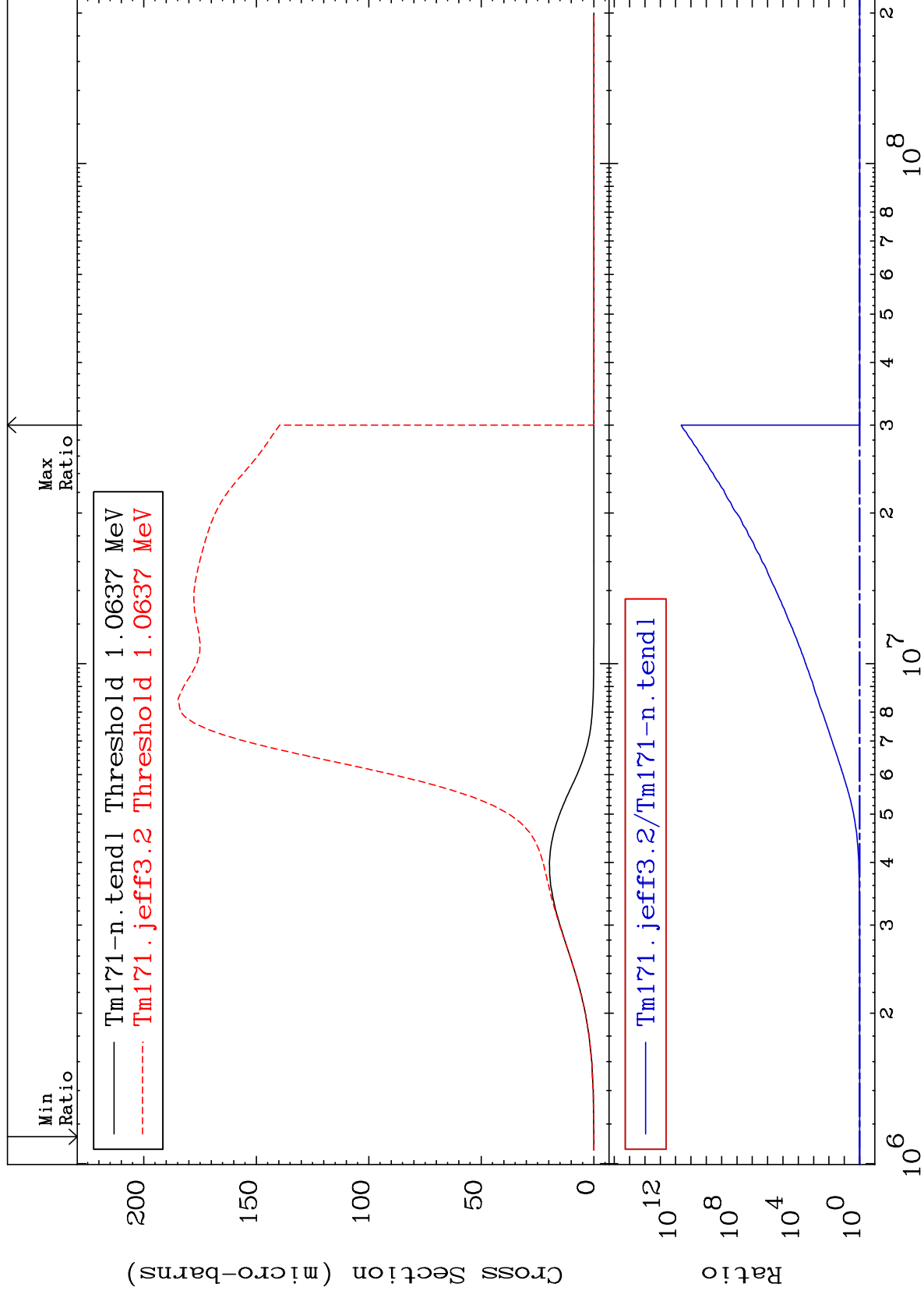
Incident Energy (eV)

69-Tm-171

MAT 6931

1.057 MeV (n,n') Level
Cross Section

69-Tm-171
-0.496 To 9999. %



47

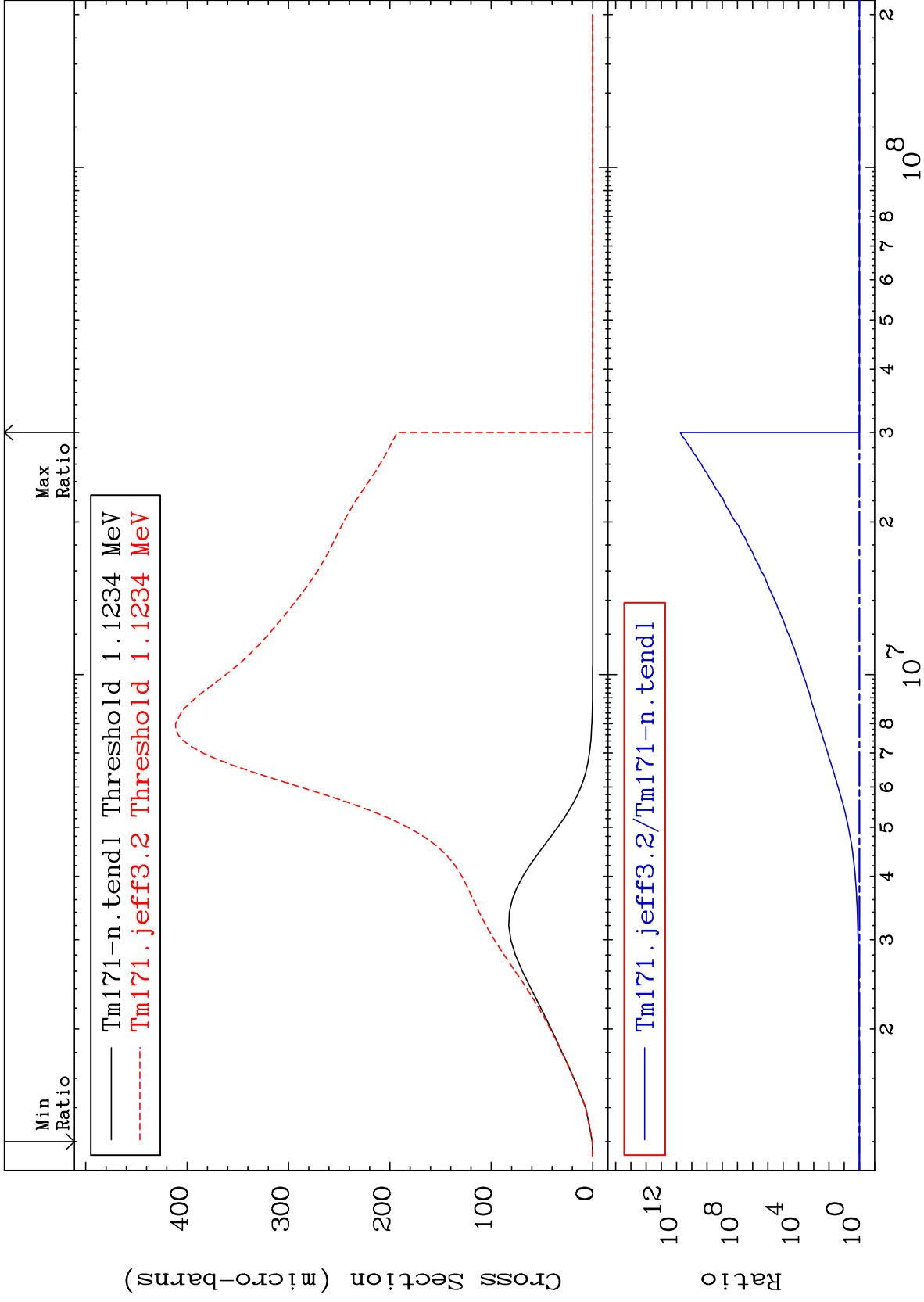
Incident Energy (eV)

69-Tm-171

MAT 6931

1.117 MeV (n,n') Level
Cross Section

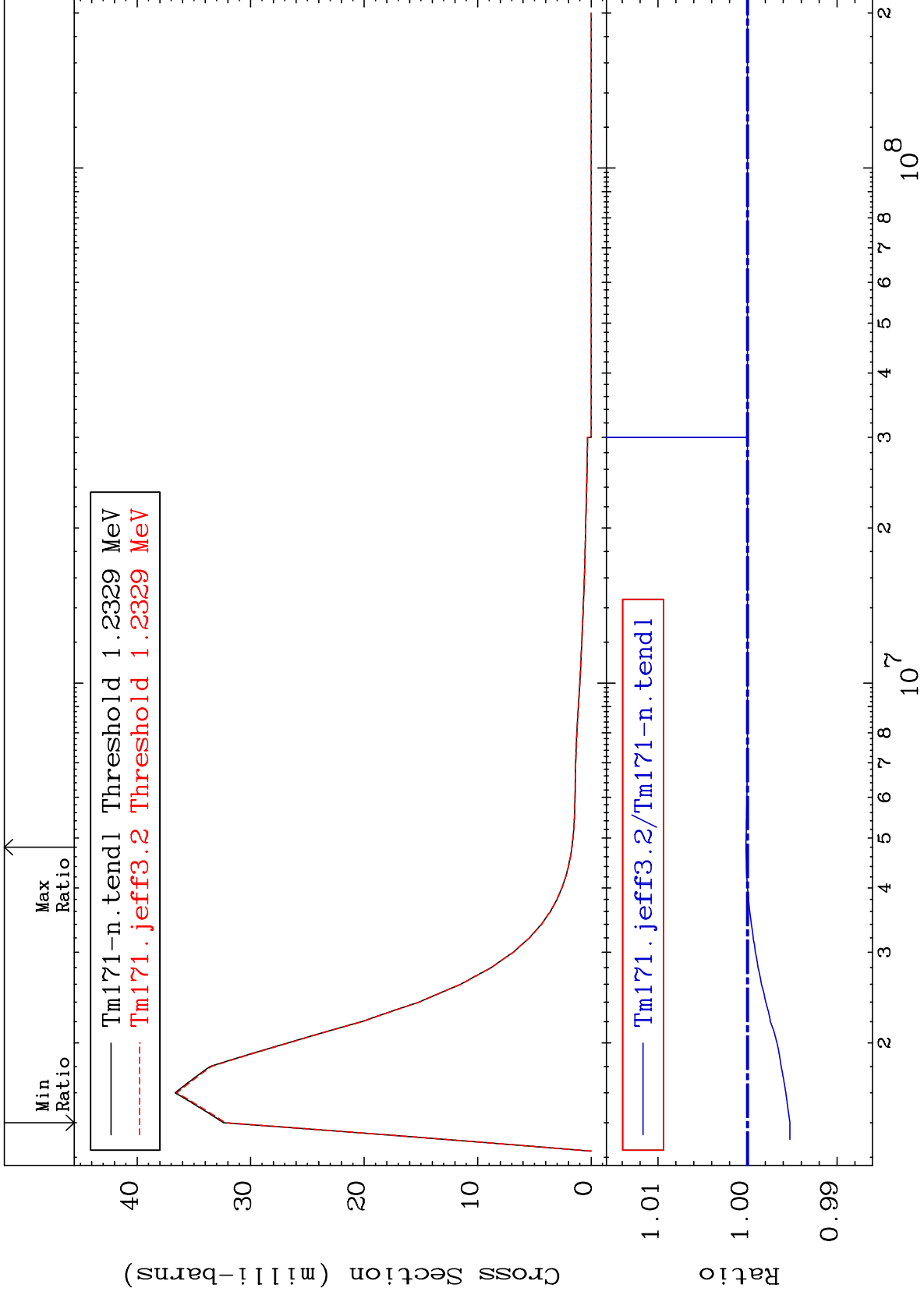
69-Tm-171
-0.498 To 9999. %



MAT 6931

1.226 MeV (n,n') Level
Cross Section

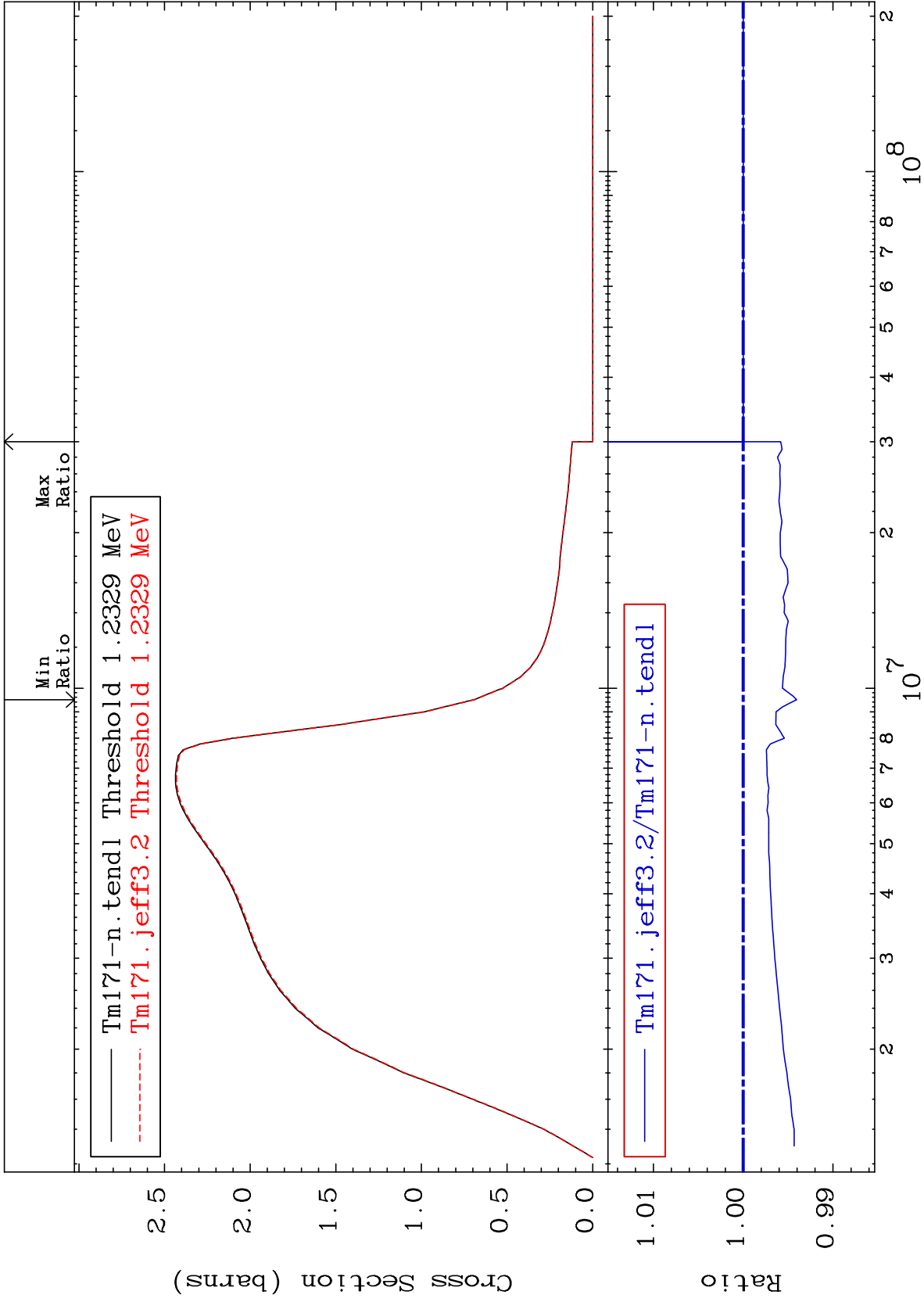
69-Tm-171
-0.474 To 0.017 %



MAT 6931

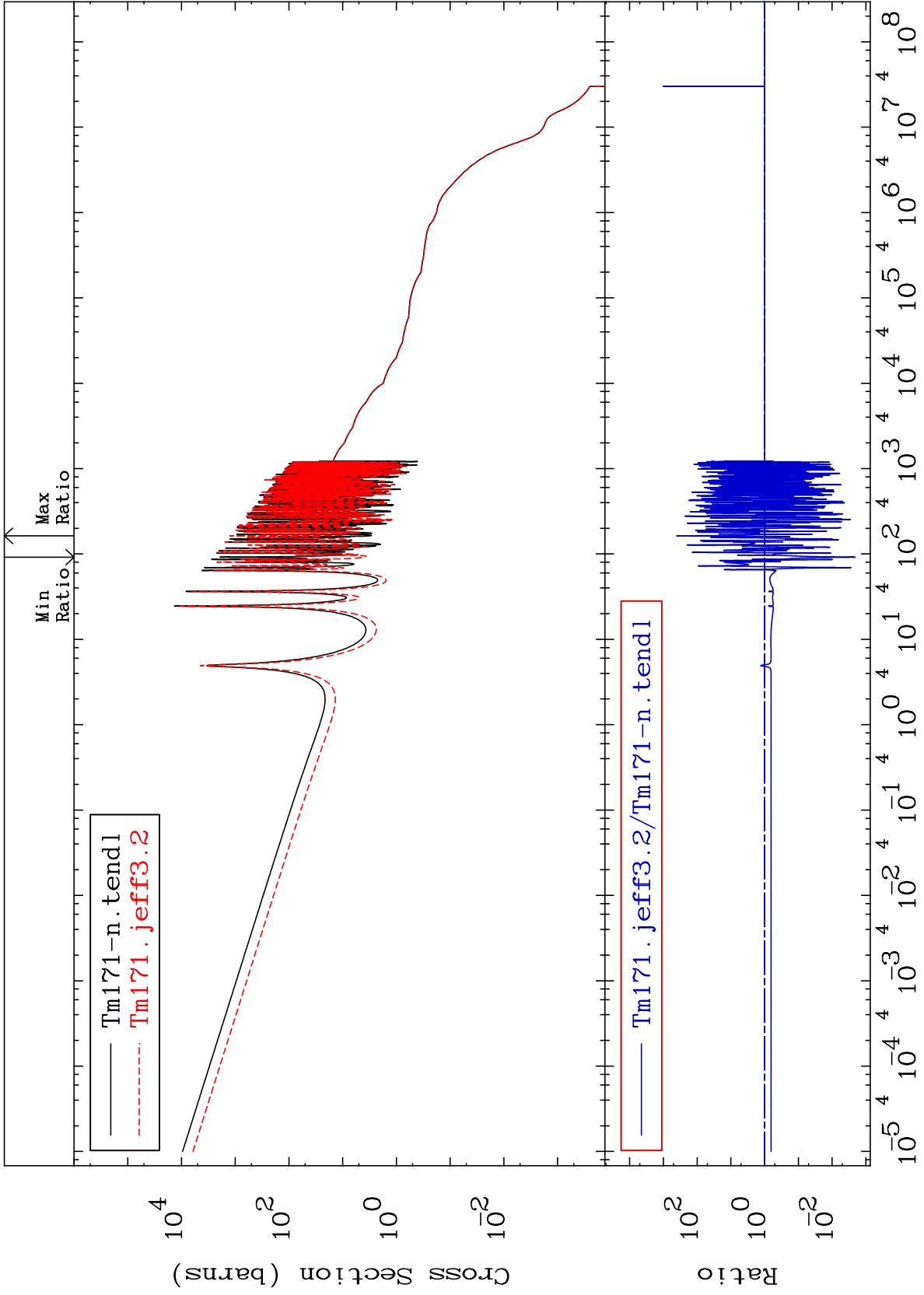
(n, n') Continuum
Cross Section

69-Tm-171
-0.594 To 0.000 %



MAT 6931

(n, γ)
Cross Section
69-Tm-171
-99.79 To 9999. %



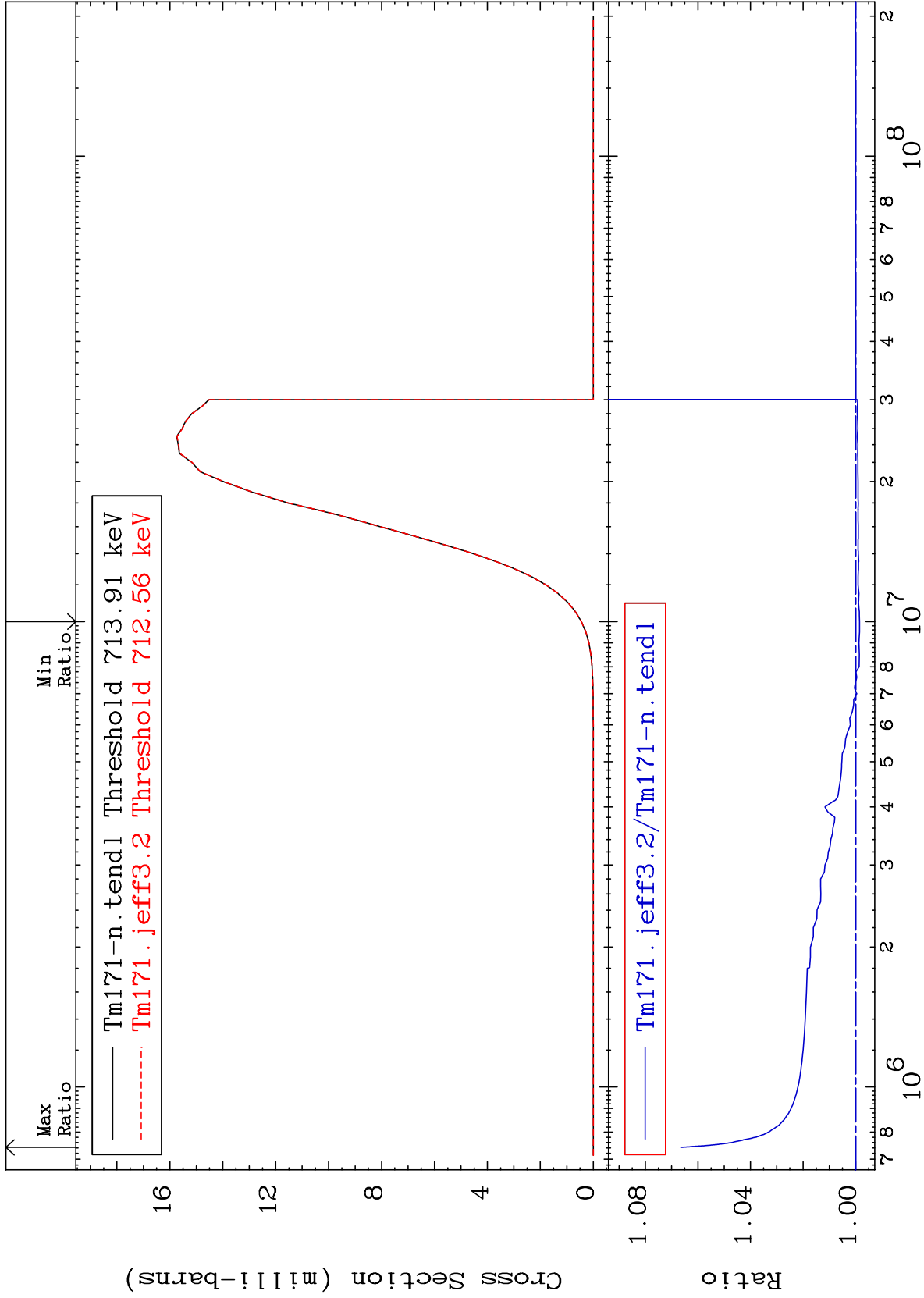
MAT 6931

(n,p)

69-Tm-171

Cross Section

-0.150 To 6.653 %



52

Incident Energy (eV)

69-Tm-171

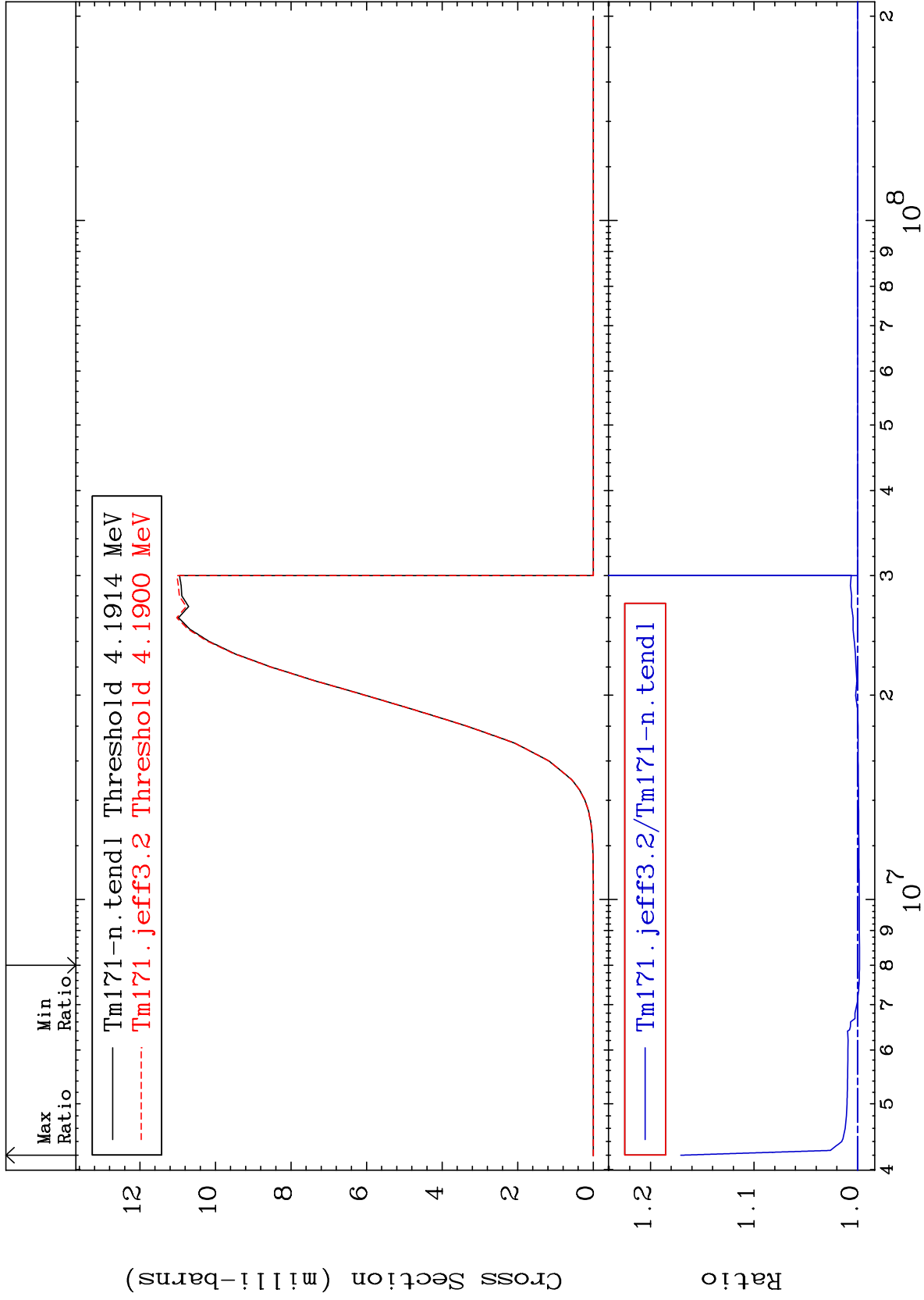
MAT 6931

(n, d)

69-Tm-171

Cross Section

-0.190 To 17.08 %



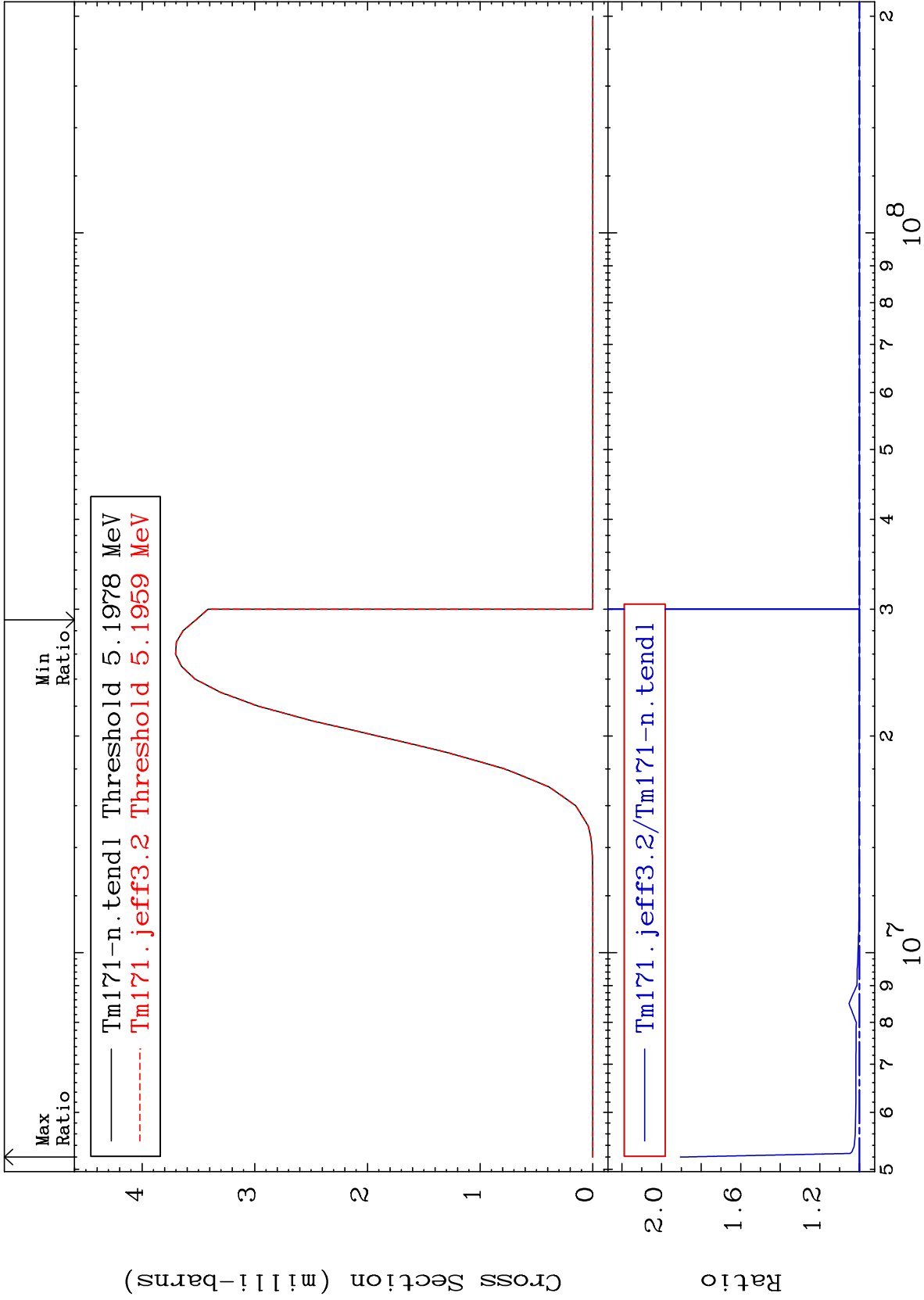
MAT 6931

(n, t)

69-Tm-171

Cross Section

-0.028 To 90.49 %



54

69-Tm-171

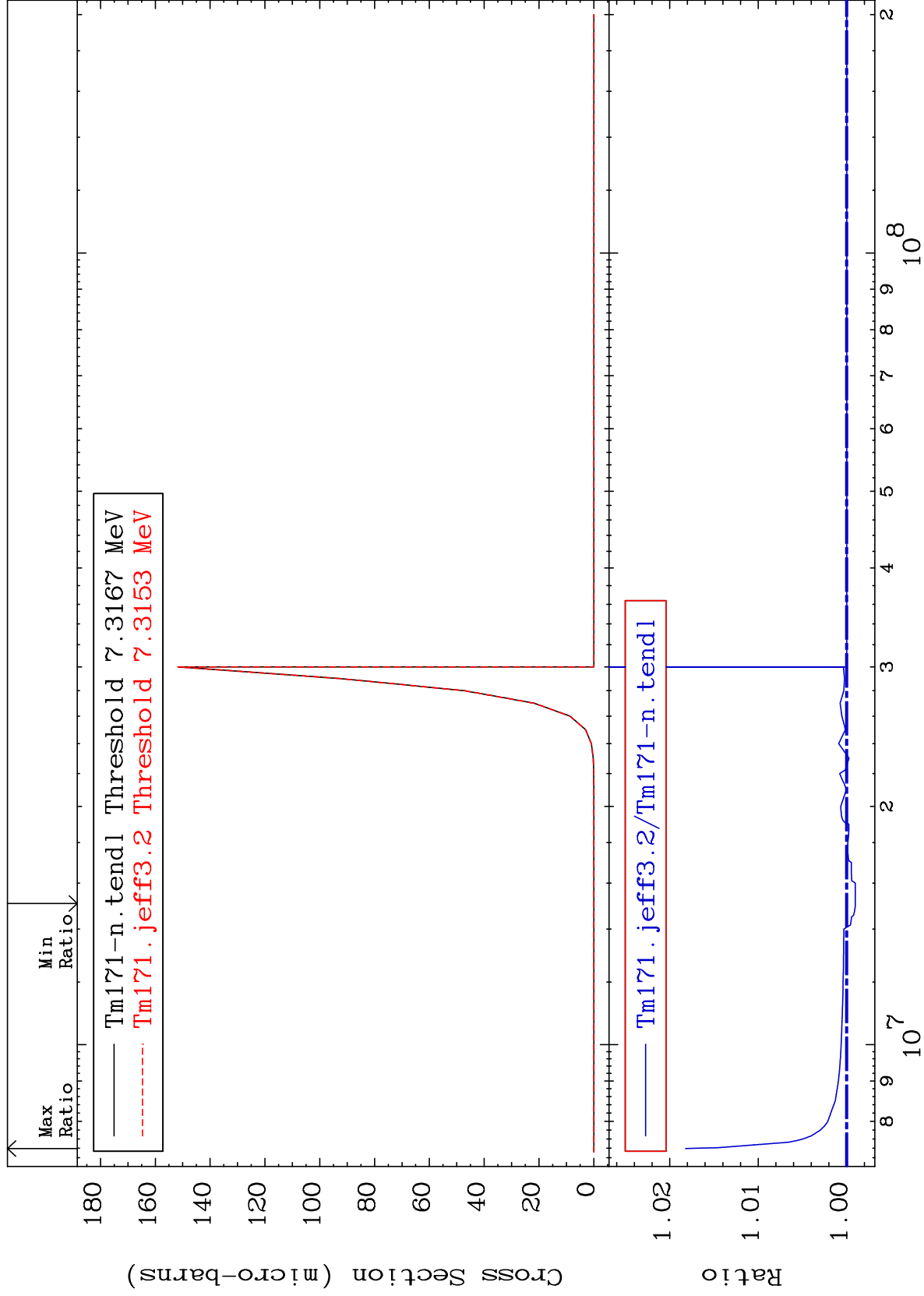
MAT 6931

(n, He-3)

69-Tm-171

Cross Section

-0.097 To 1.821 %



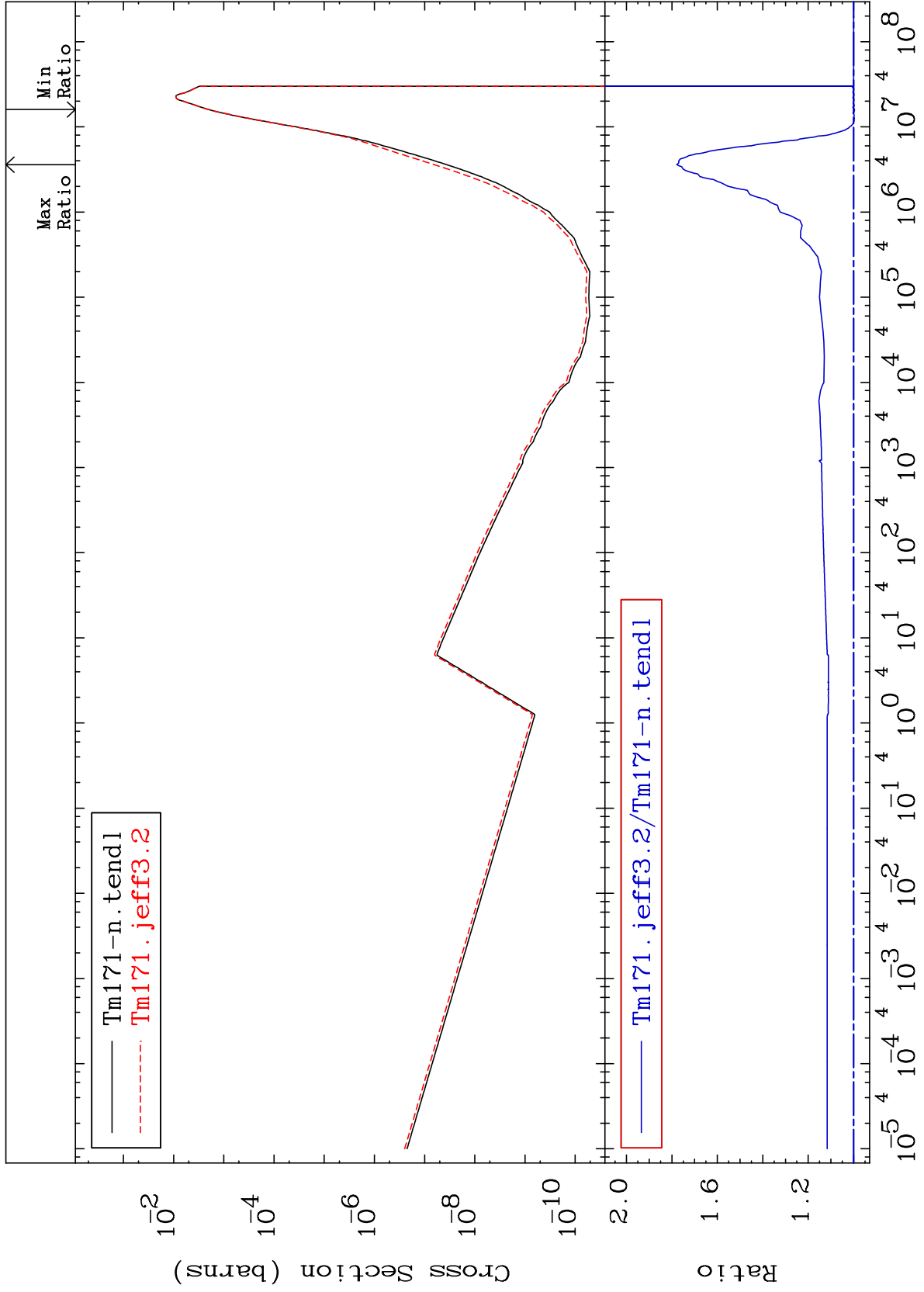
MAT 6931

(n, α)

69-Tm-171

Cross Section

-0.372 To 77.85 %



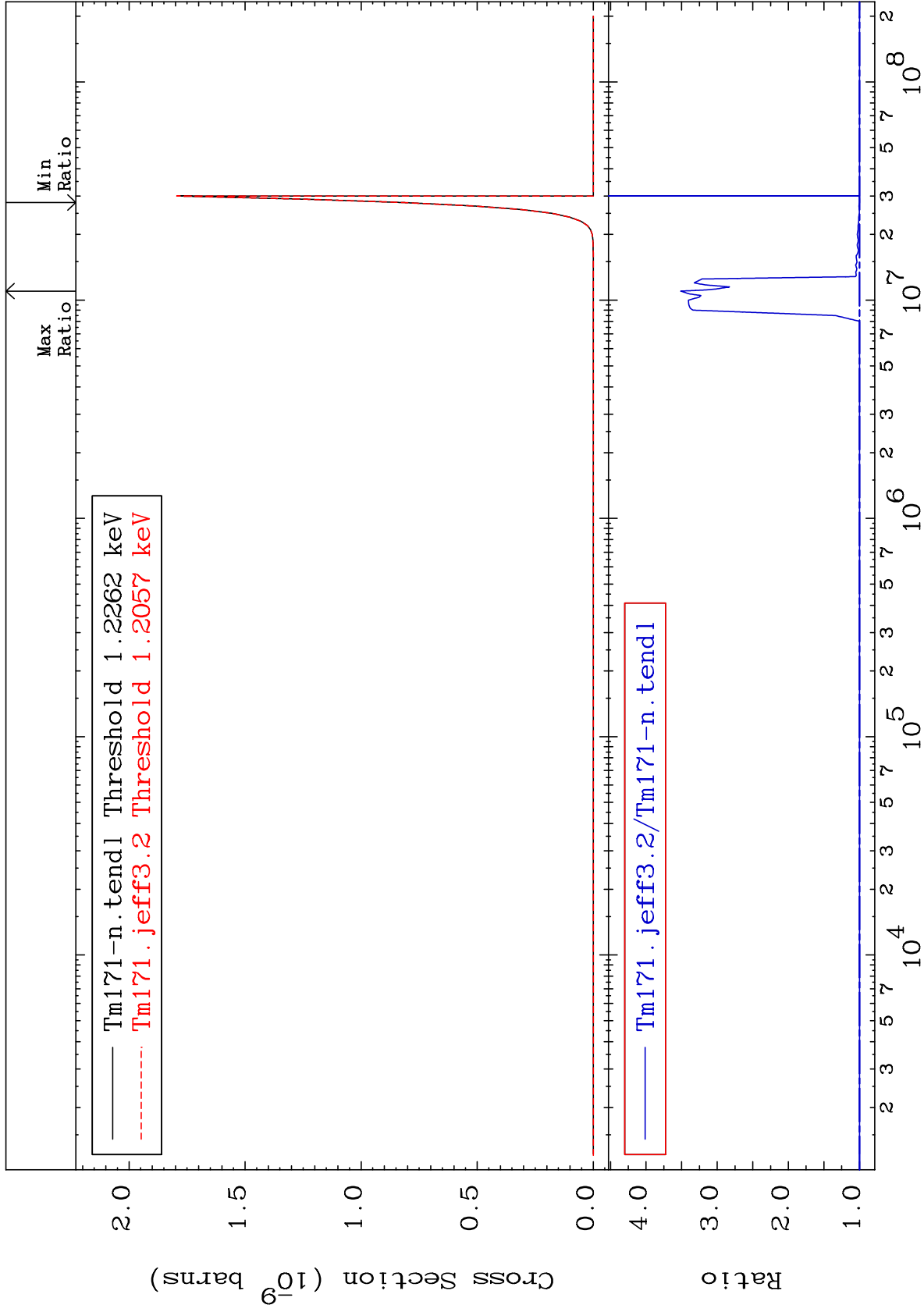
56

Incident Energy (eV)

69-Tm-171

Cross Section

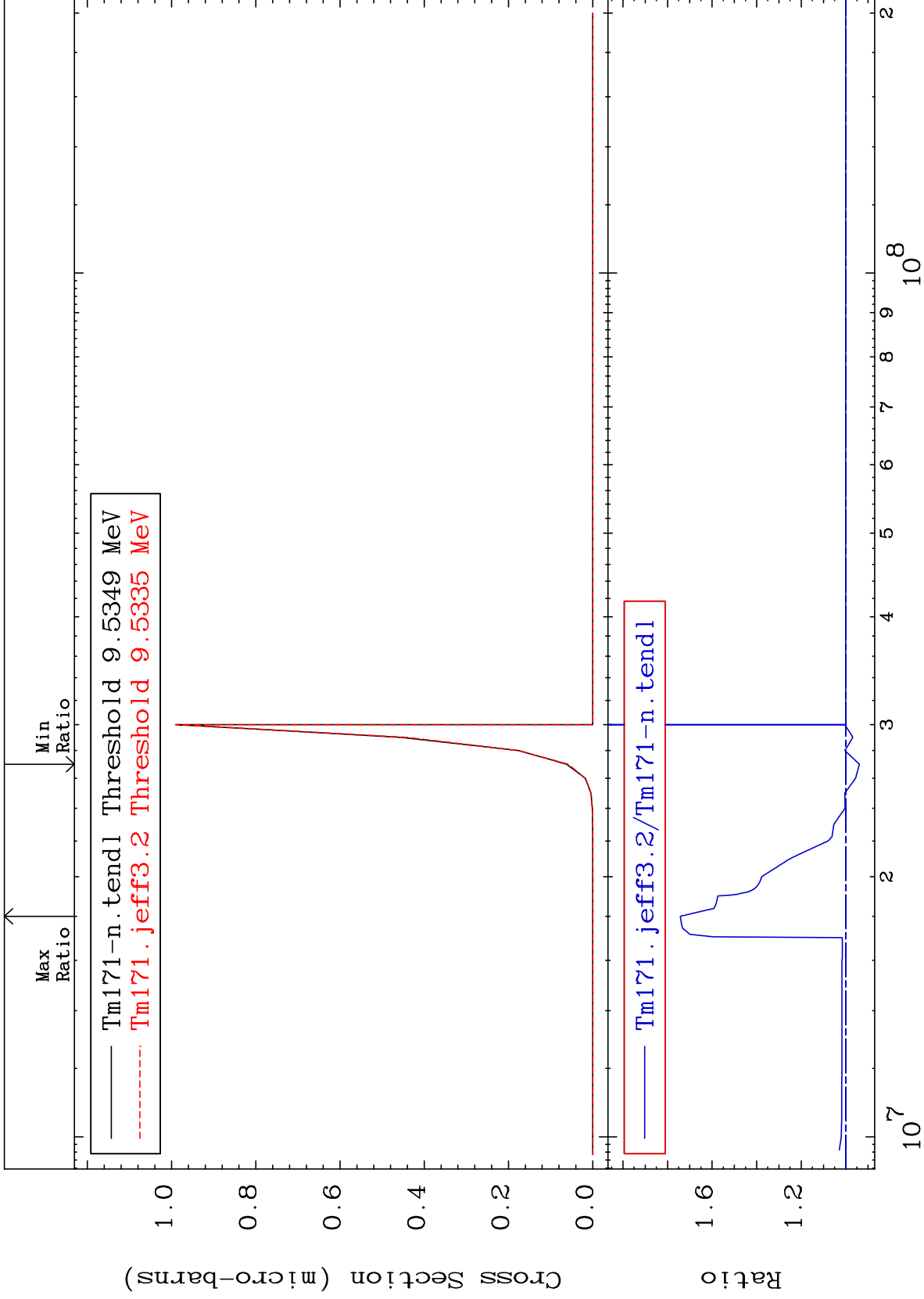
-0.055 To 251.2 %



MAT 6931

(n,2p)
Cross Section

69-Tm-171
-6.132 To 74.23 %



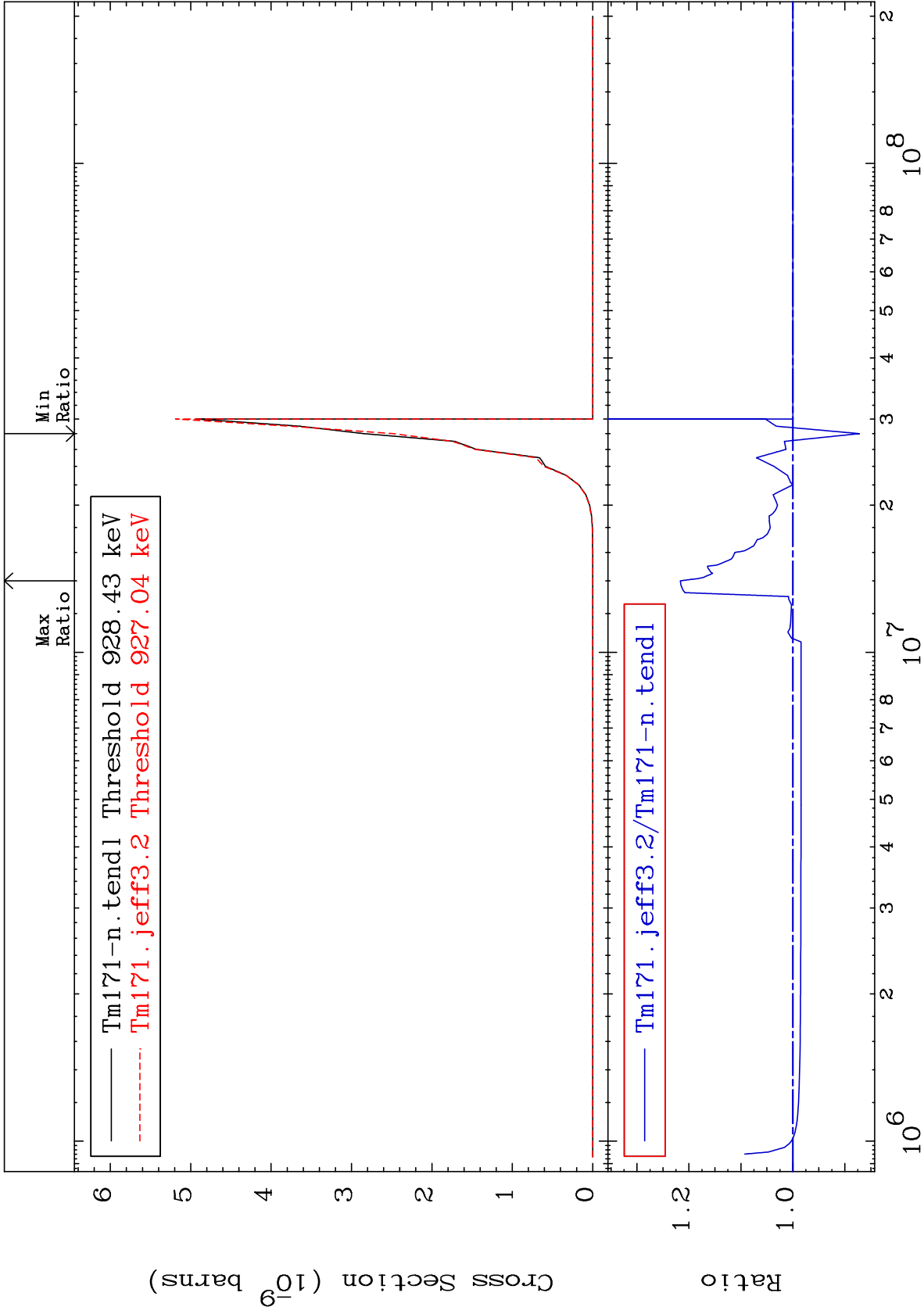
58

69-Tm-171

MAT 6931

(n, p) α
Cross Section

69-Tm-171
-12.81 To 21.65 %



59

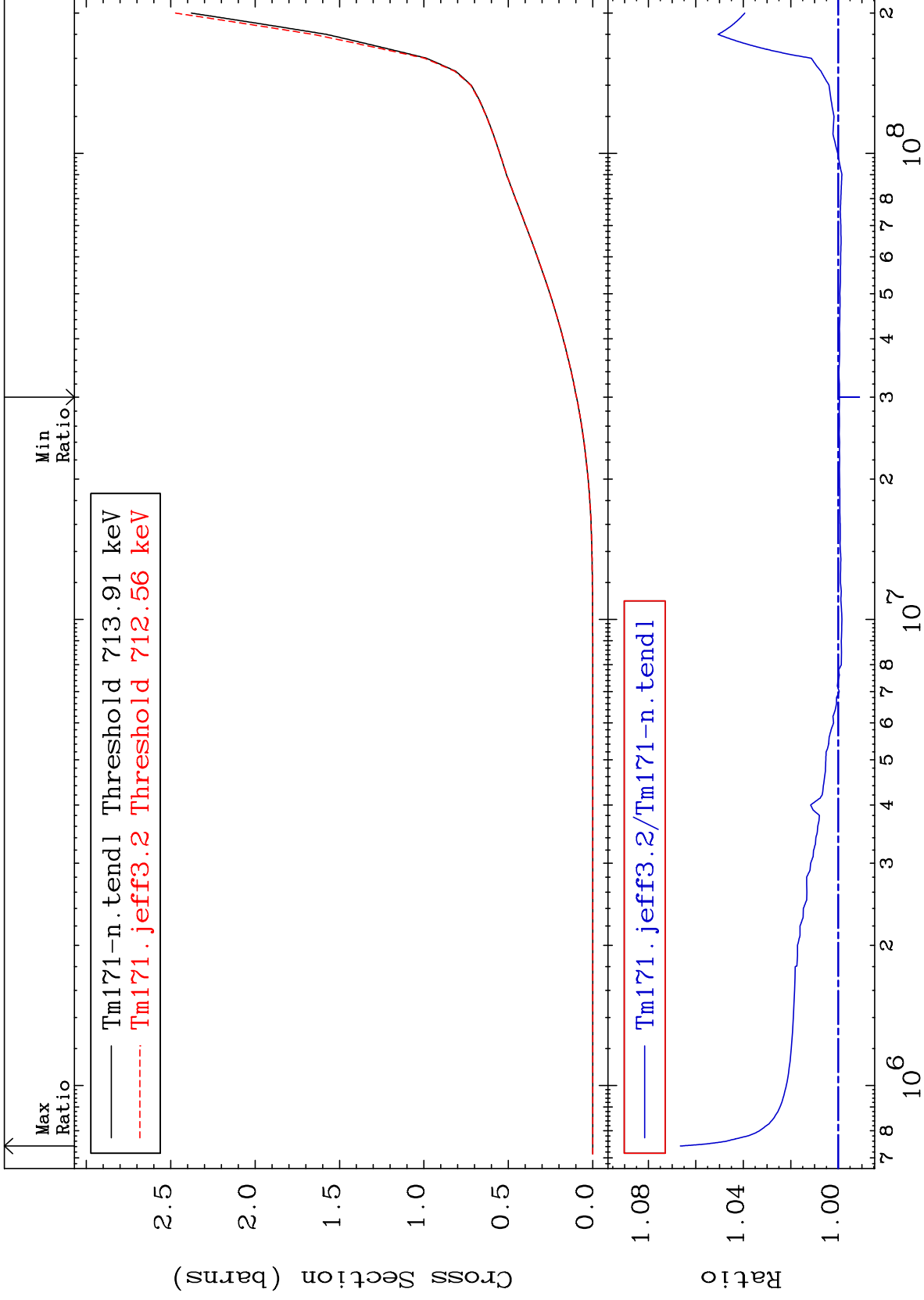
Incident Energy (eV)

69-Tm-171

MAT 6931

Hydrogen Production
Cross Section

69-Tm-171
-0.892 To 6.653 %



60

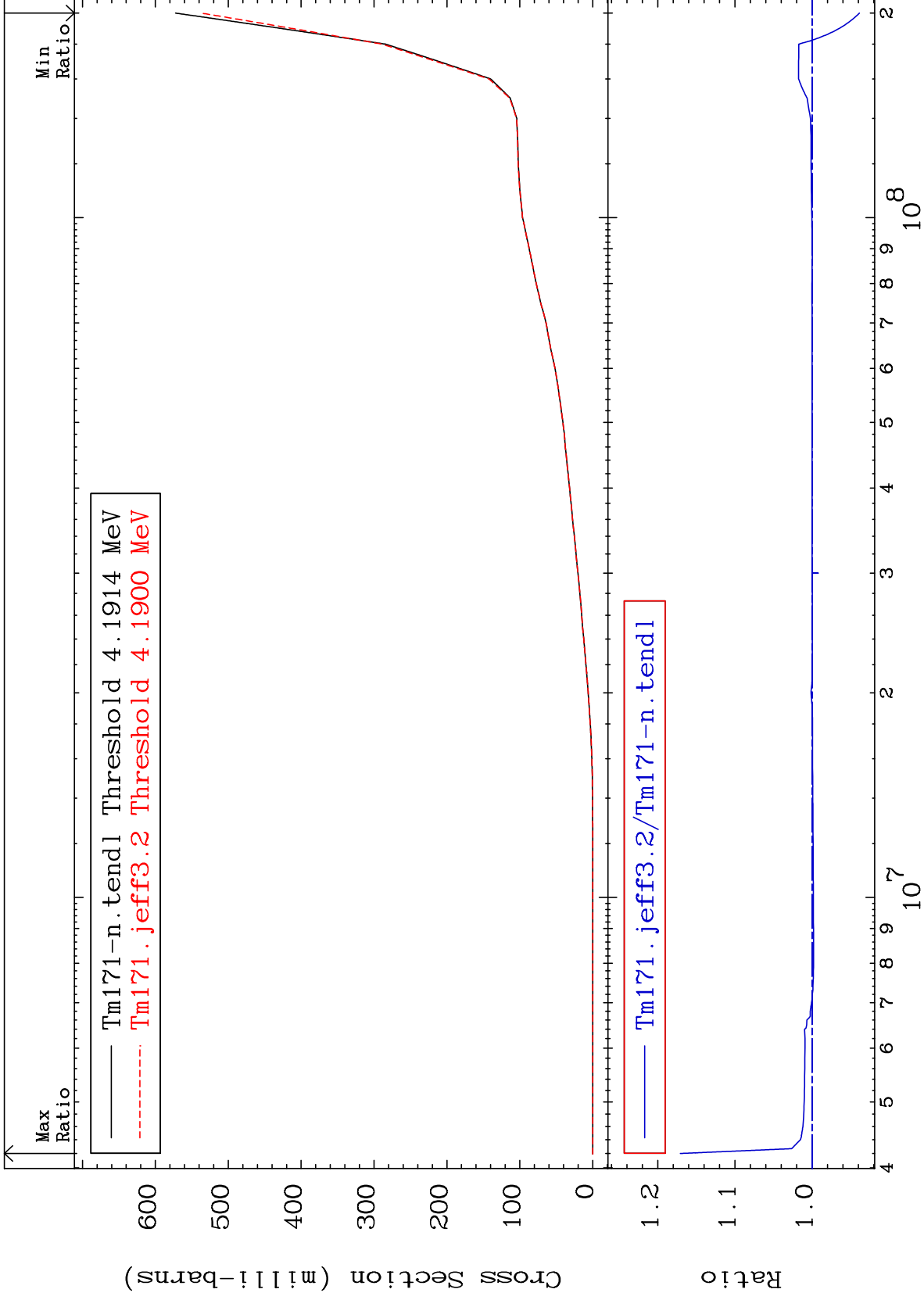
Incident Energy (eV)

69-Tm-171

MAT 6931

Deuterium Production
Cross Section

69-Tm-171
-6.136 To 17.08 %



61

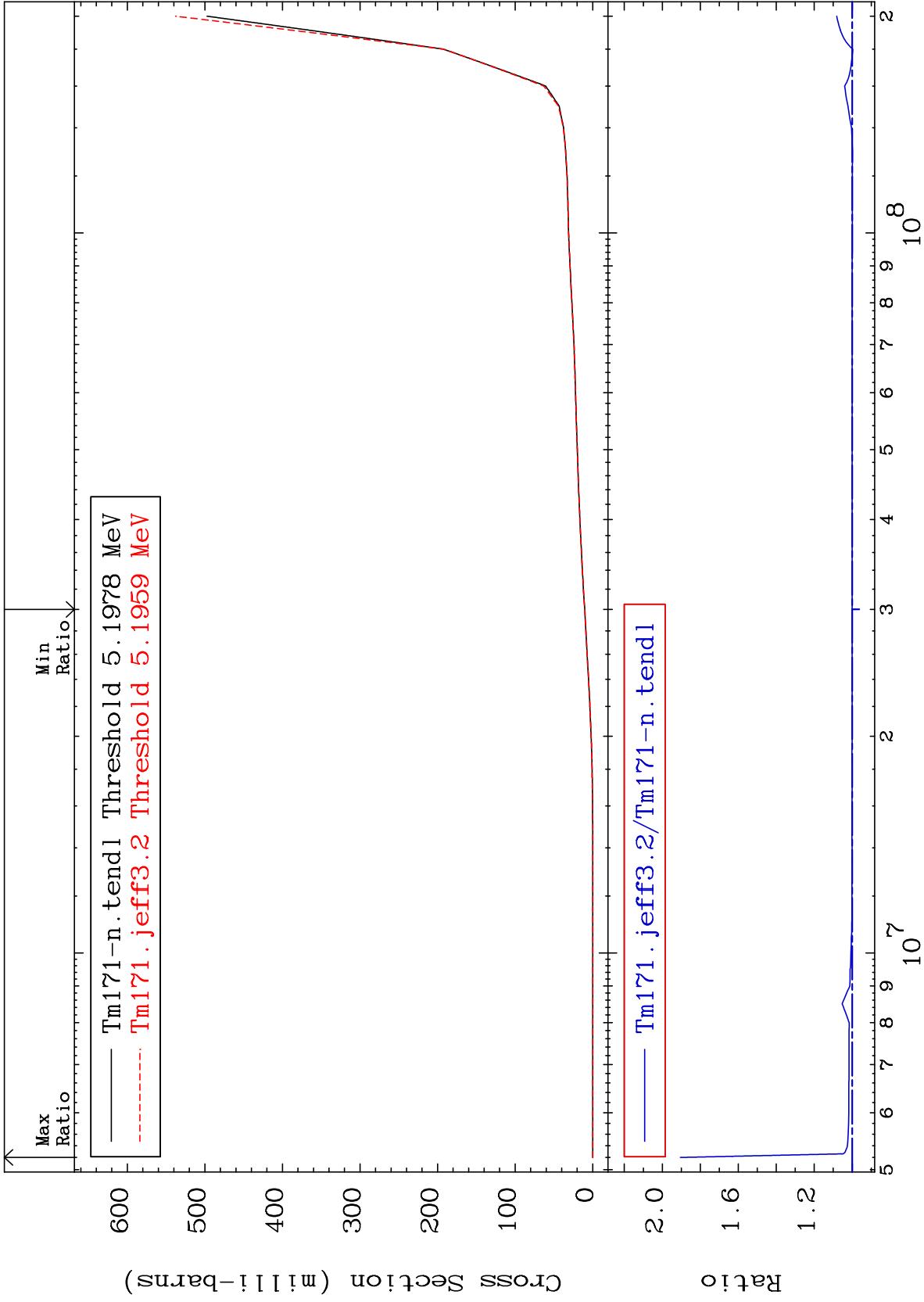
Incident Energy (eV)

69-Tm-171

MAT 6931

Tritium Production
Cross Section

69-Tm-171
-3.787 To 90.49 %



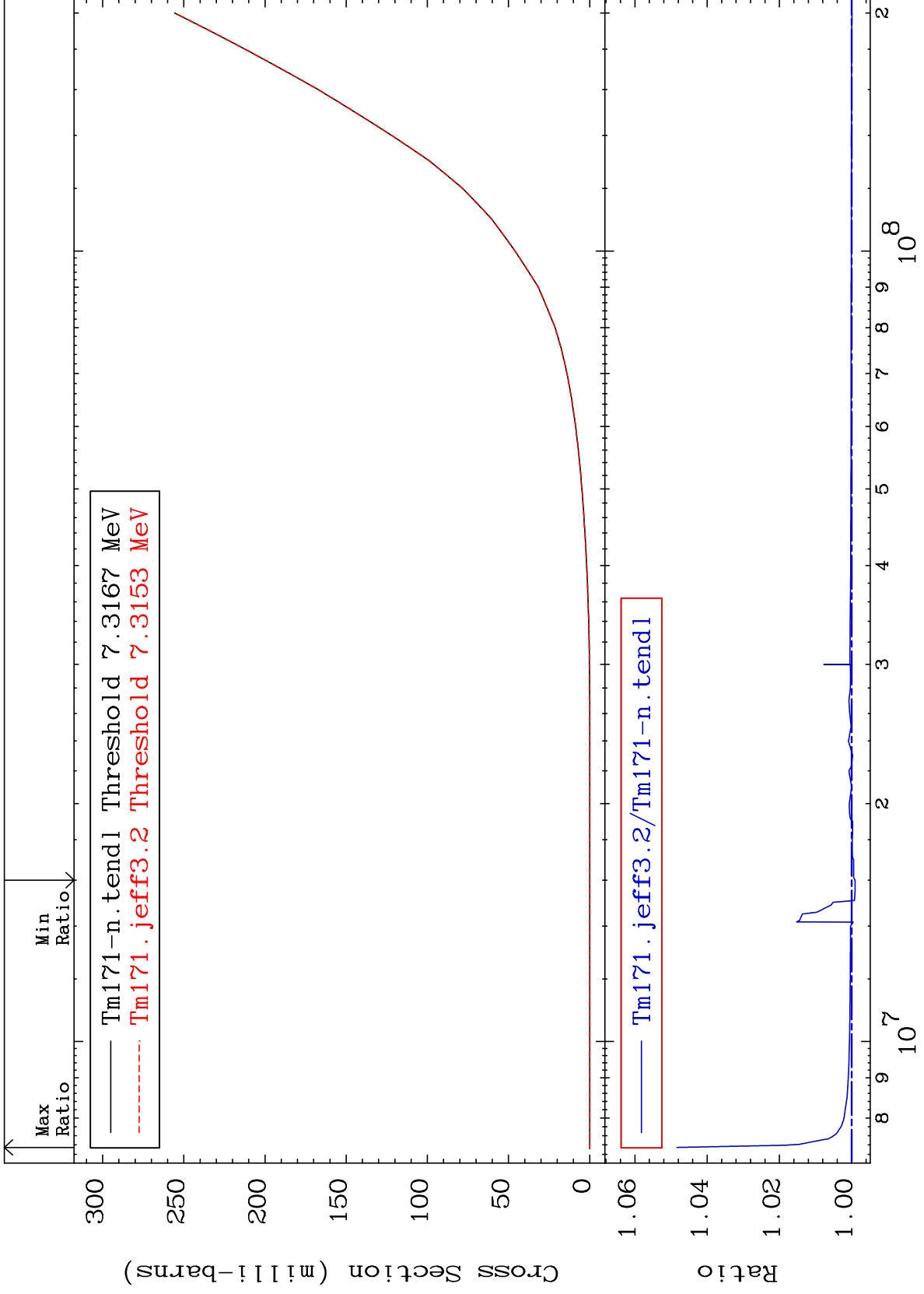
62

69-Tm-171

MAT 6931

He-3 Production
Cross Section

69-Tm-171
-0.094 To 4.836 %



63

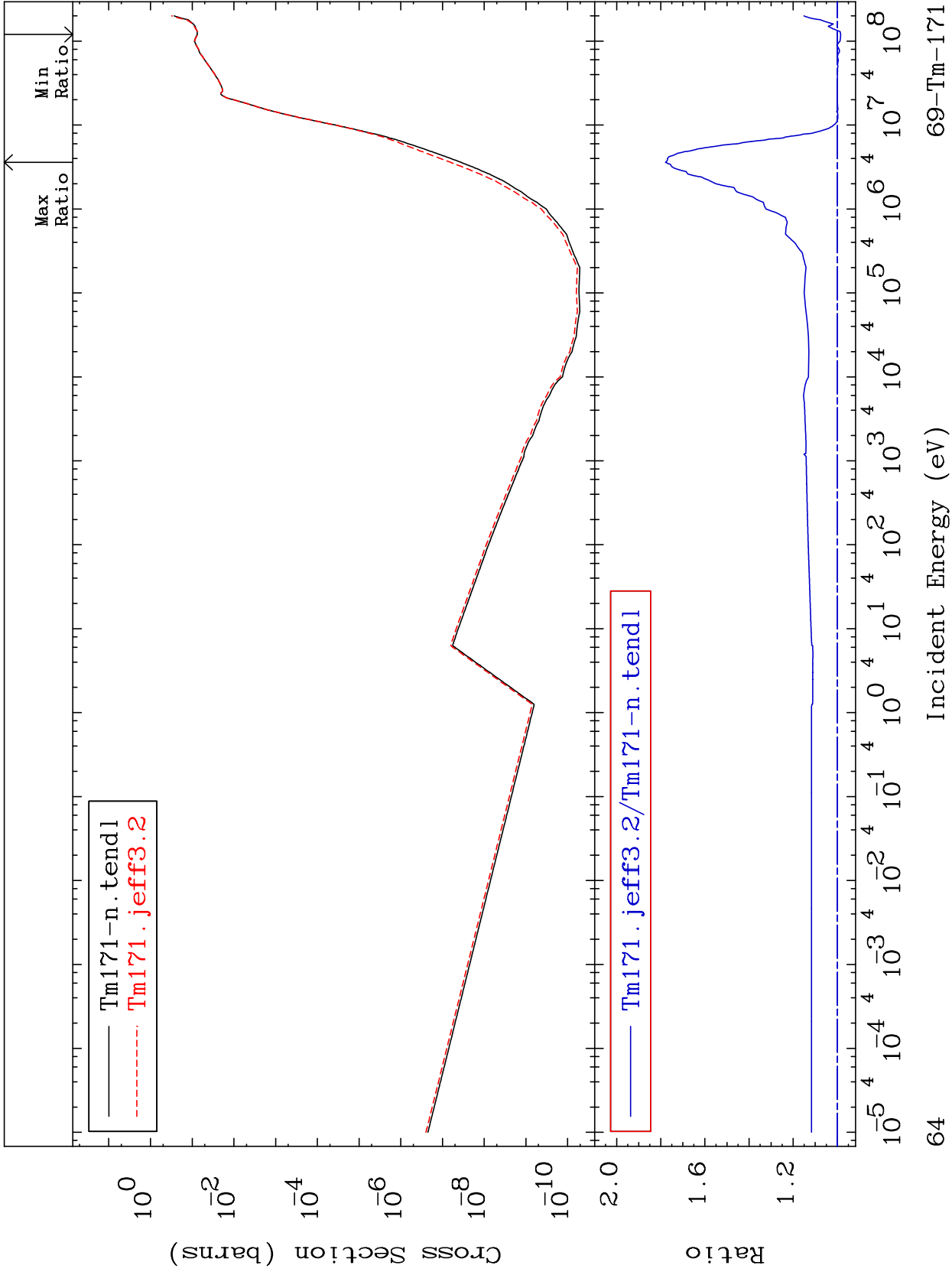
Incident Energy (eV)

69-Tm-171

MAT 6931

He-4 Production
Cross Section

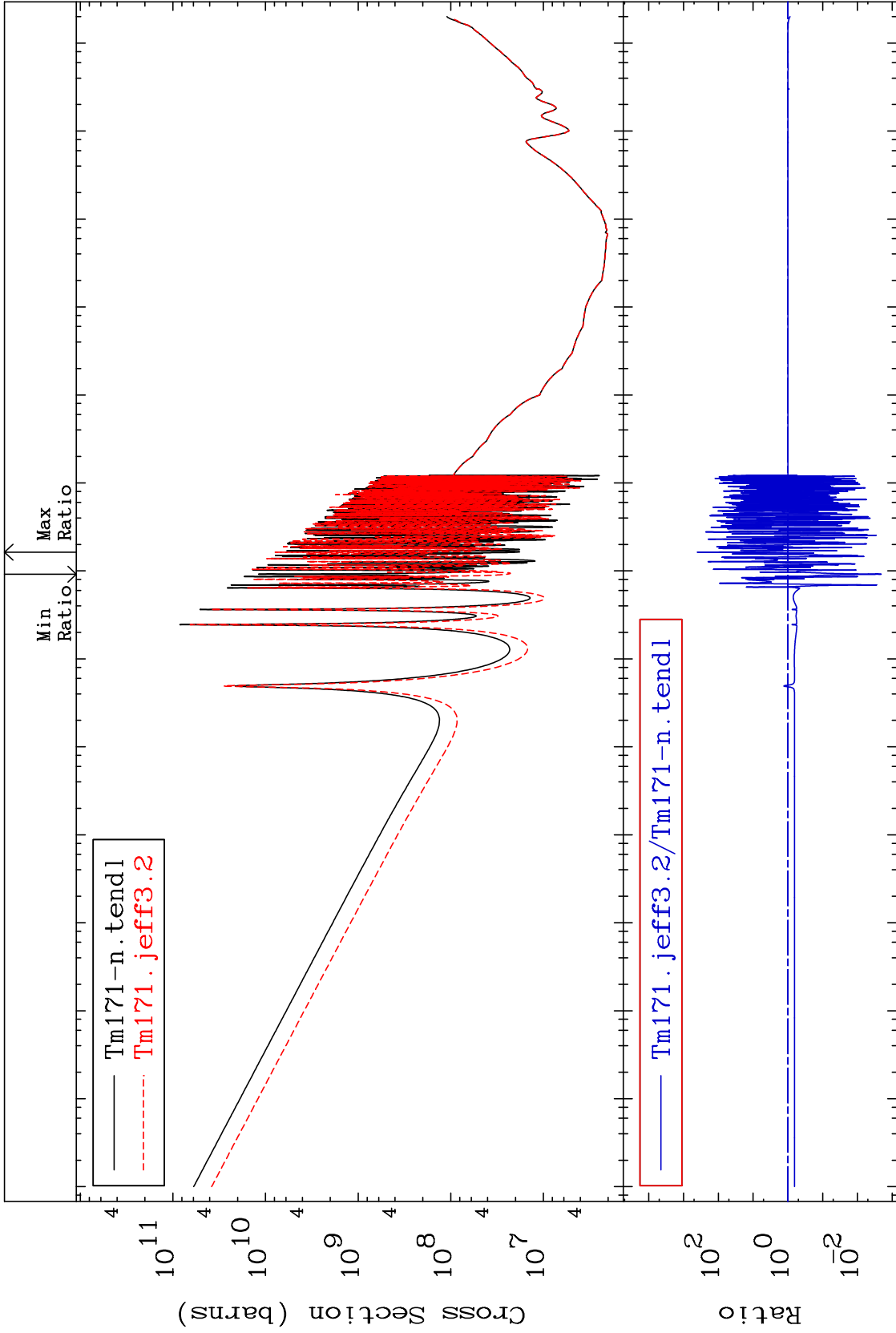
69-Tm-171
-1.510 To 77.85 %



64

Incident Energy (eV)

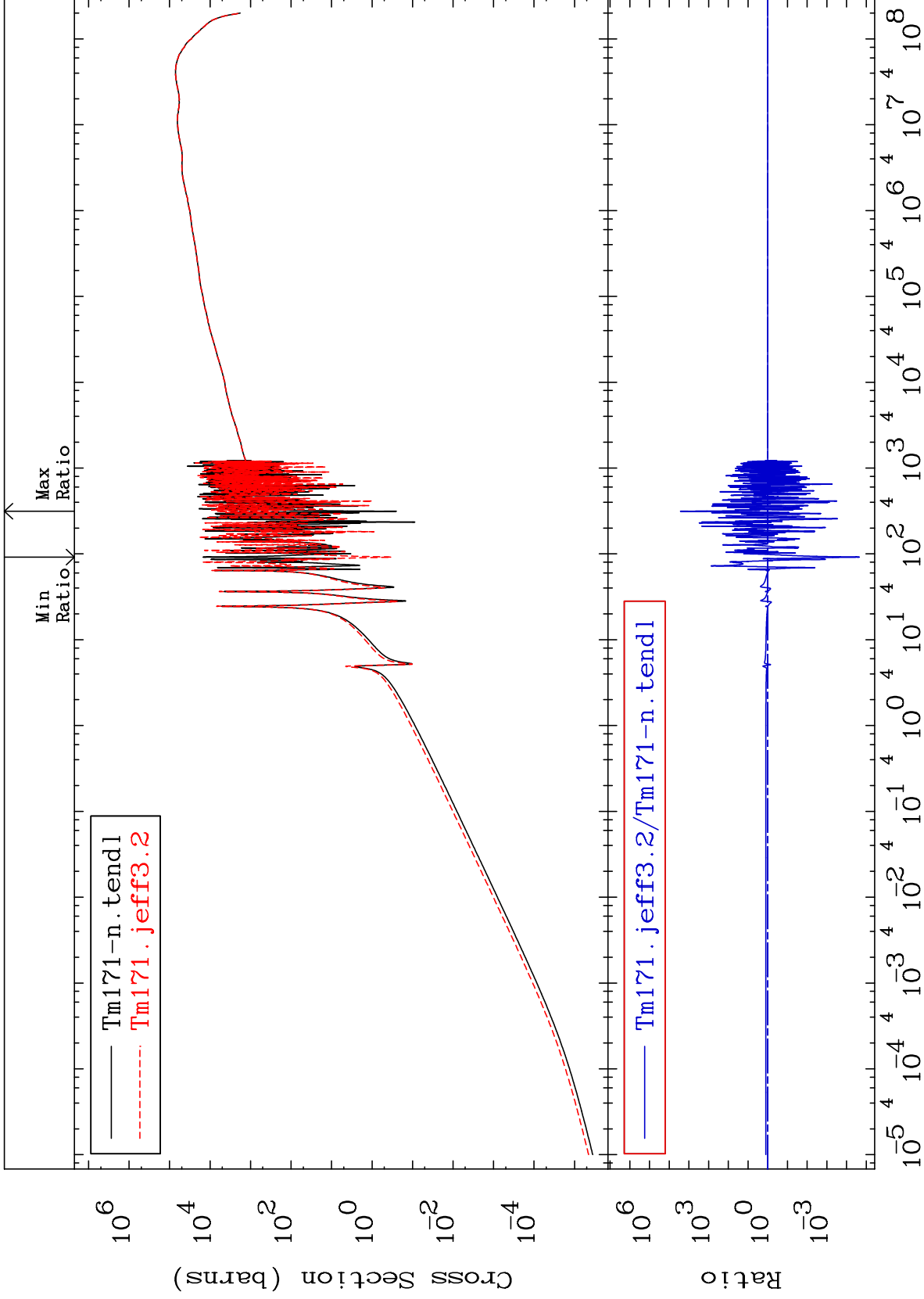
69-Tm-171



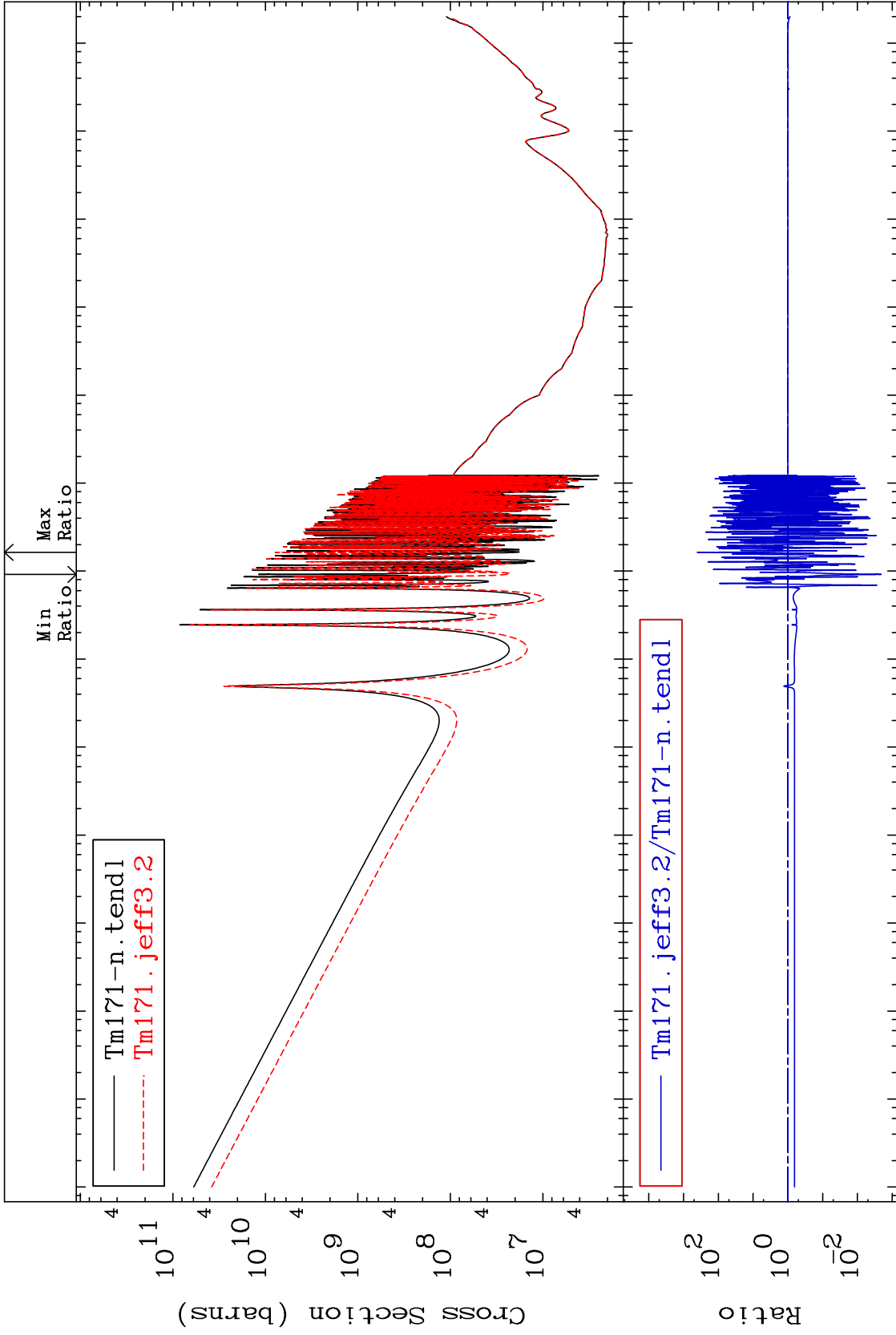
MAT 6931

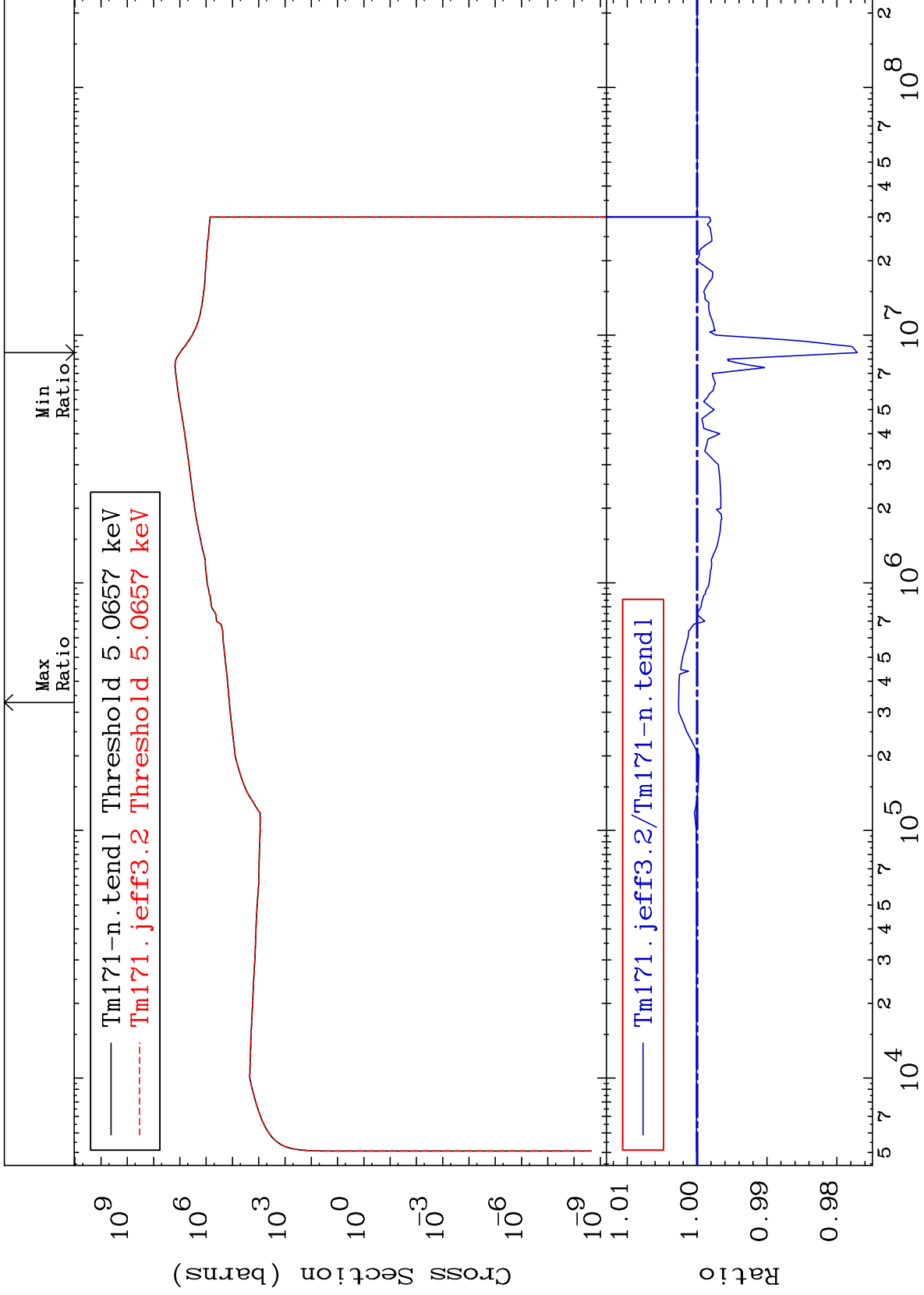
Kerma elastic
Cross Section

69-Tm-171
-100.0 To 9999. %



Cross Section

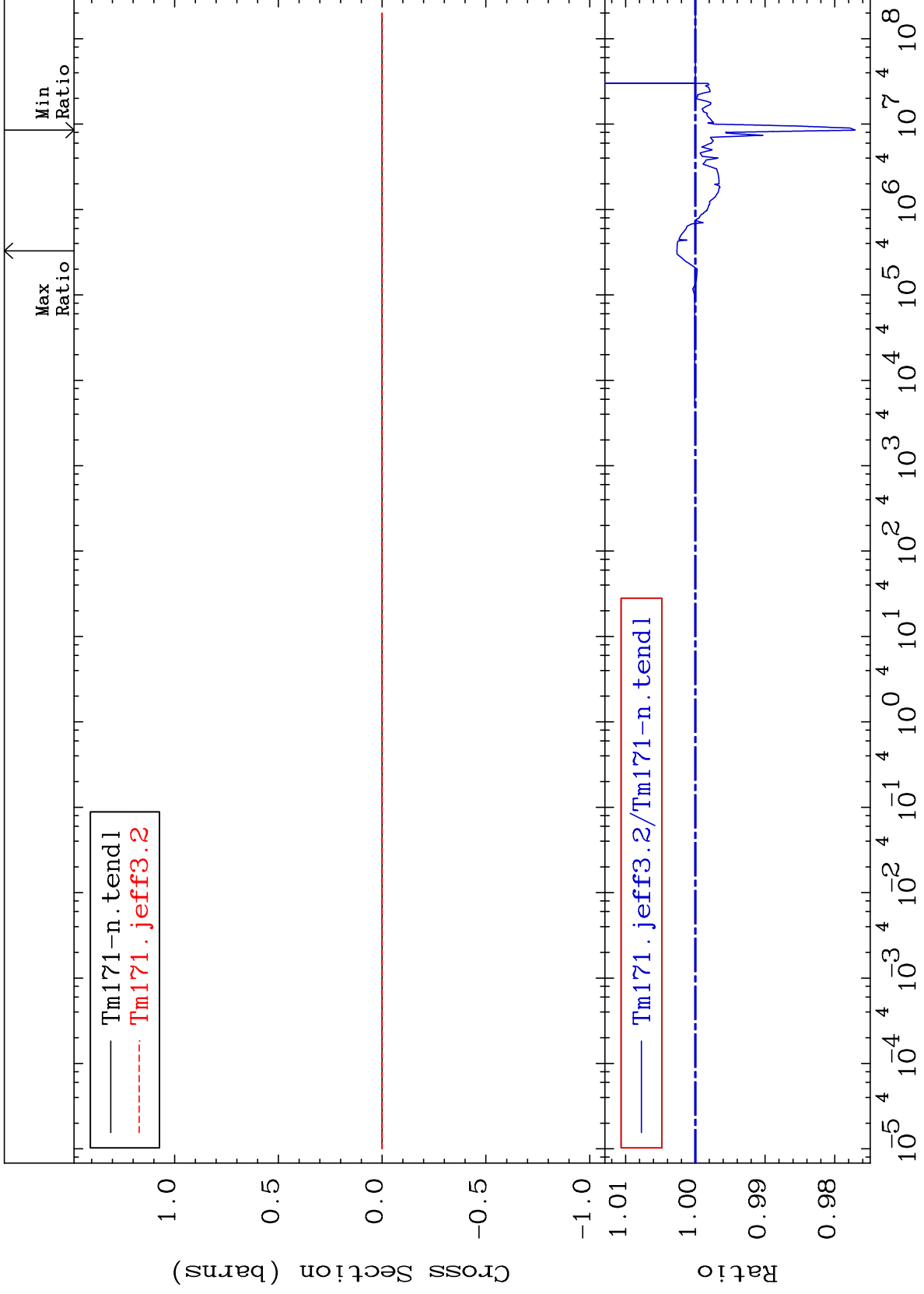




MAT 6931

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

69-Tm-171
-2.291 To 0.264 %



69

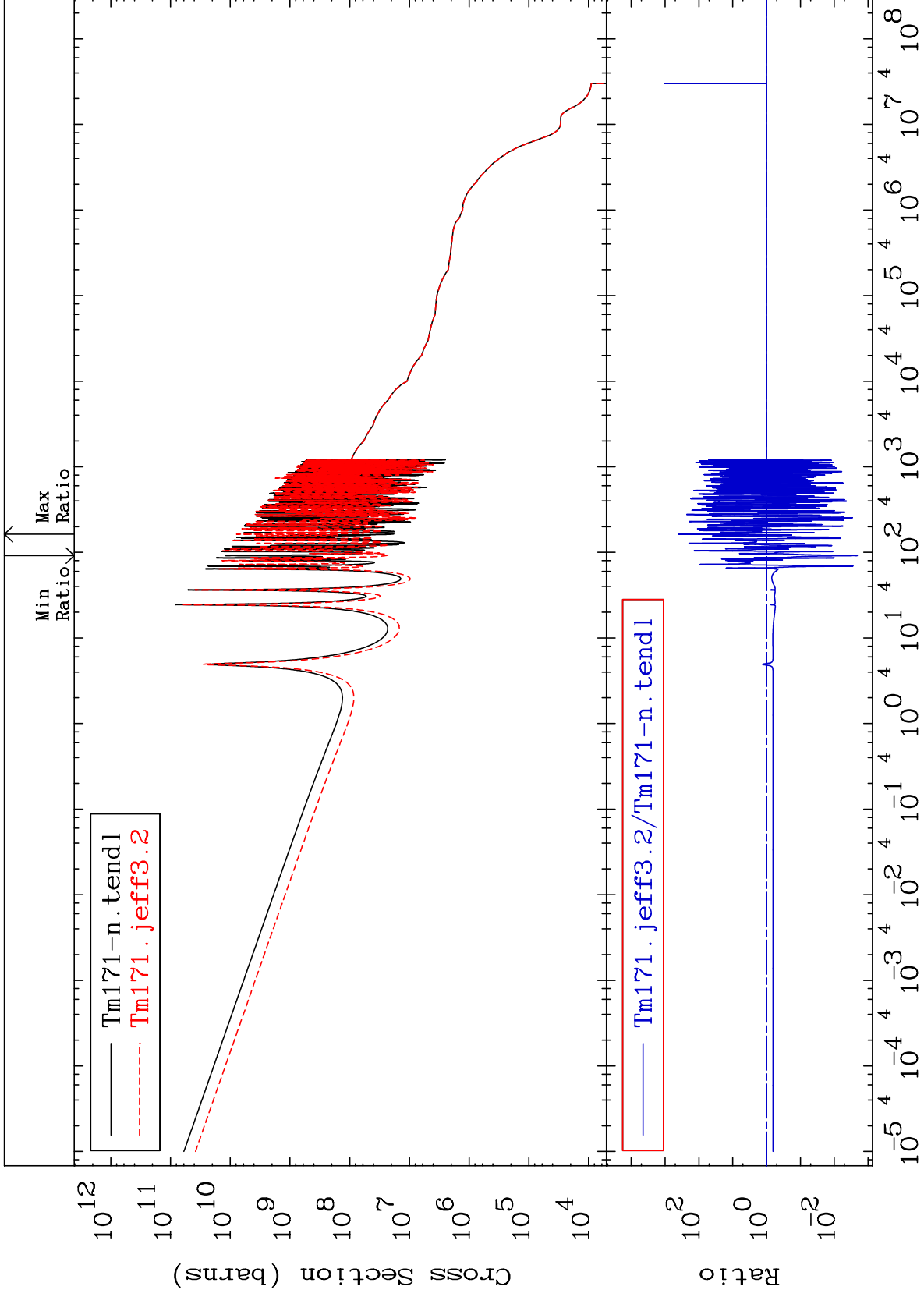
Incident Energy (eV)

69-Tm-171

MAT 6931

Kerma capture (mt102)
Cross Section

69-Tm-171
-99.79 To 9999. %



70

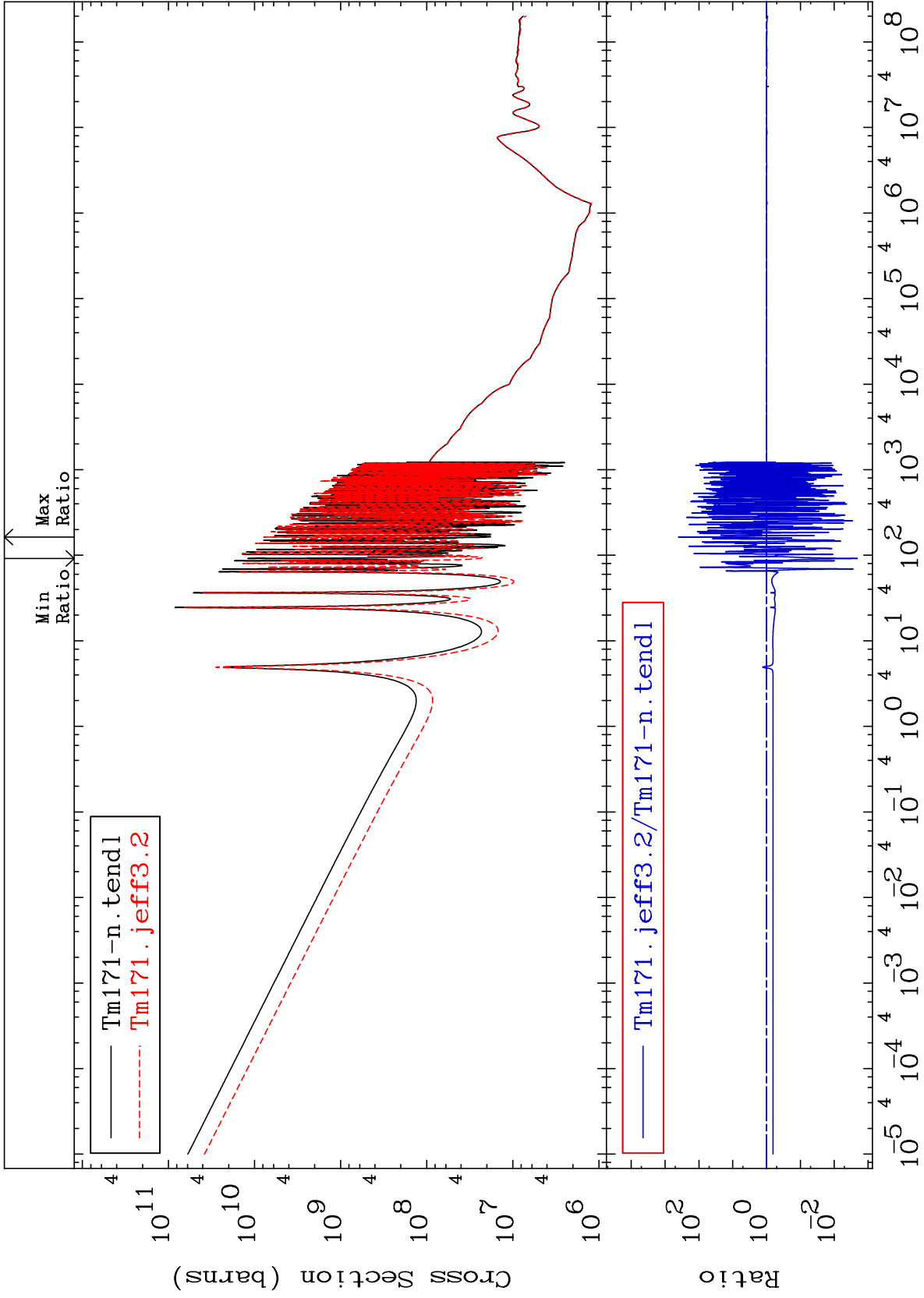
Incident Energy (eV)

69-Tm-171

MAT 6931

Total photon (eV-barns)
Cross Section

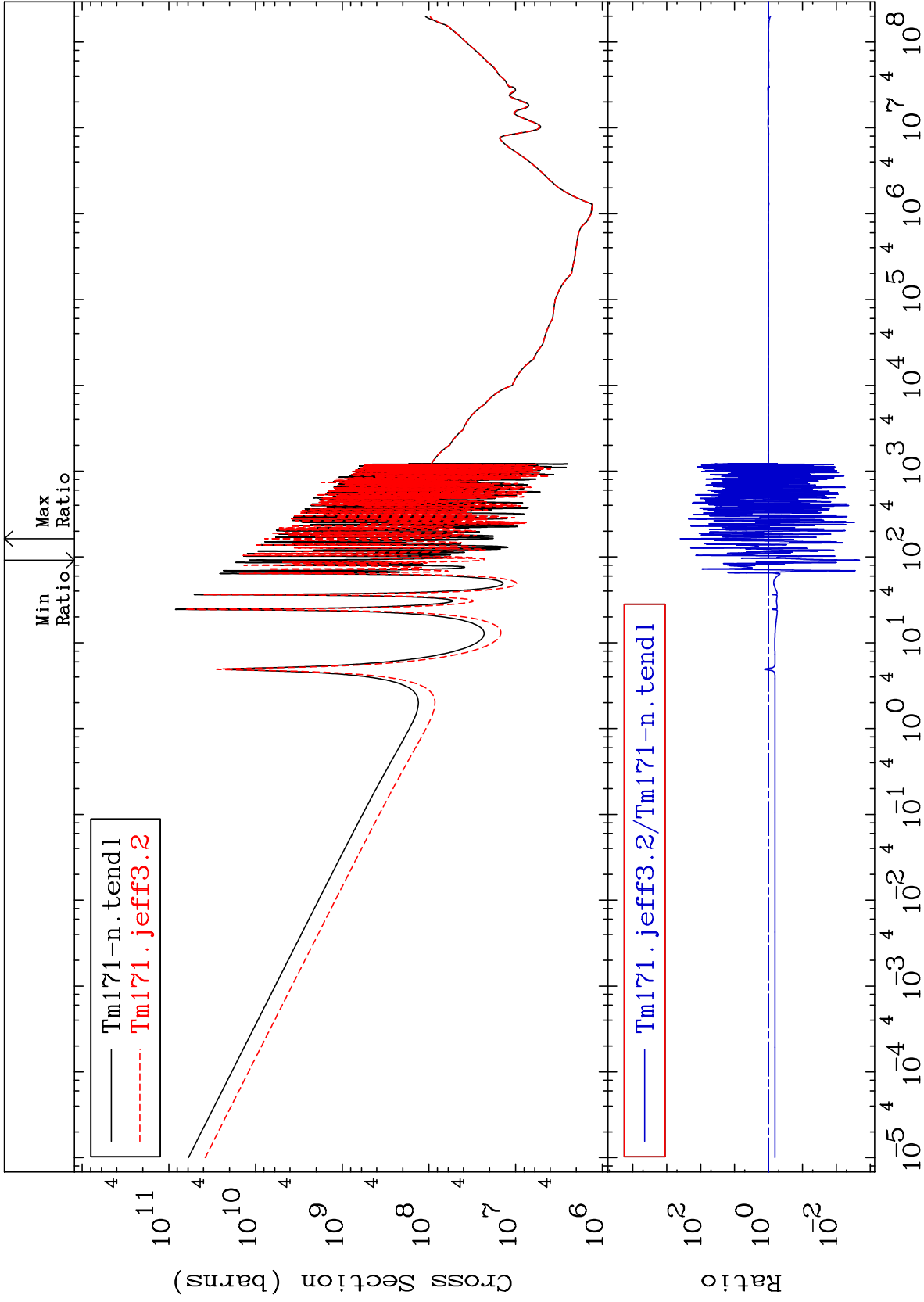
69-Tm-171
-99.79 To 9999. %



71

Incident Energy (eV)

69-Tm-171



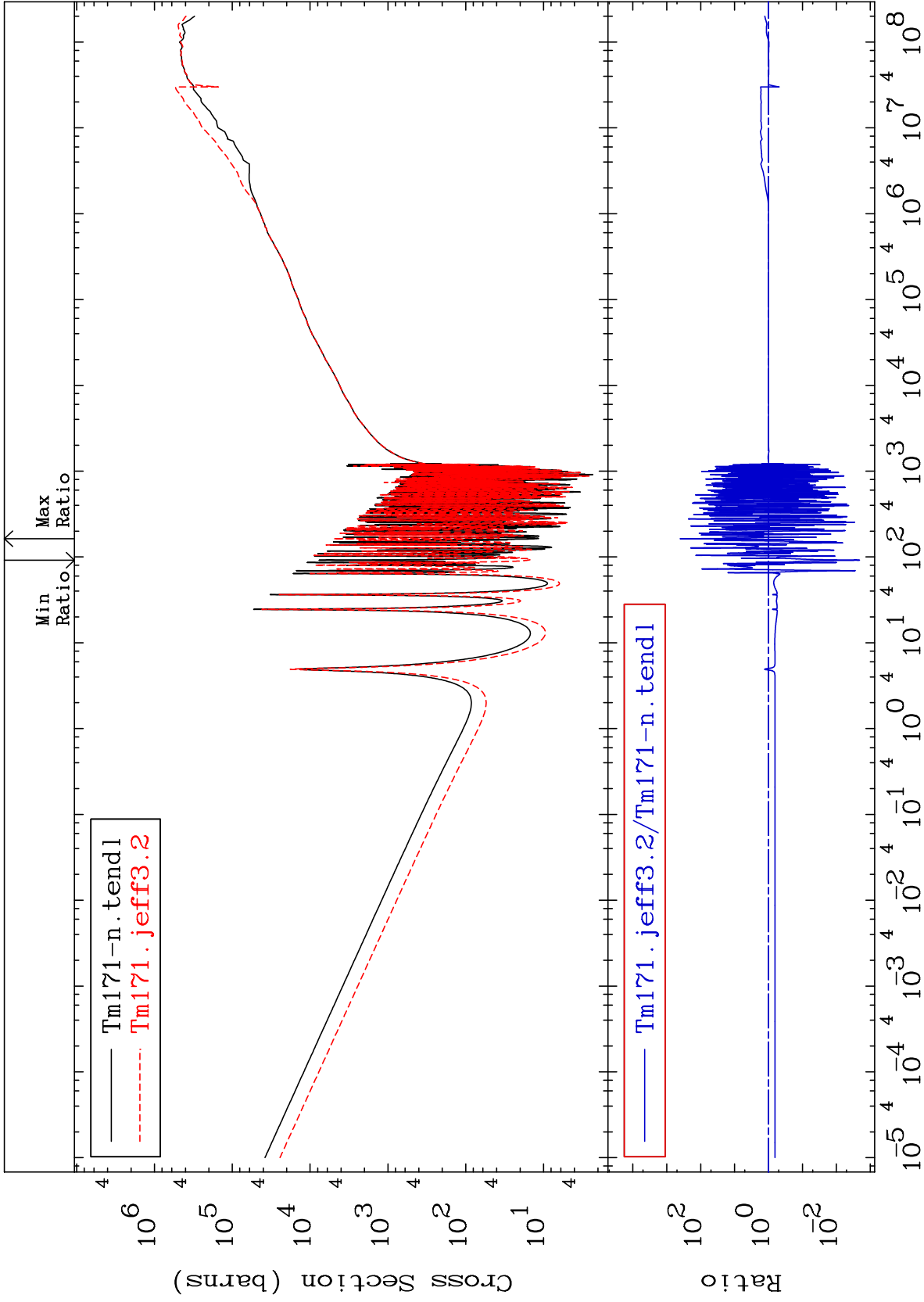
MAT 6931

Dpa total (eV-barns)

69-Tm-171

-99.79 To 9999. %

Cross Section



73

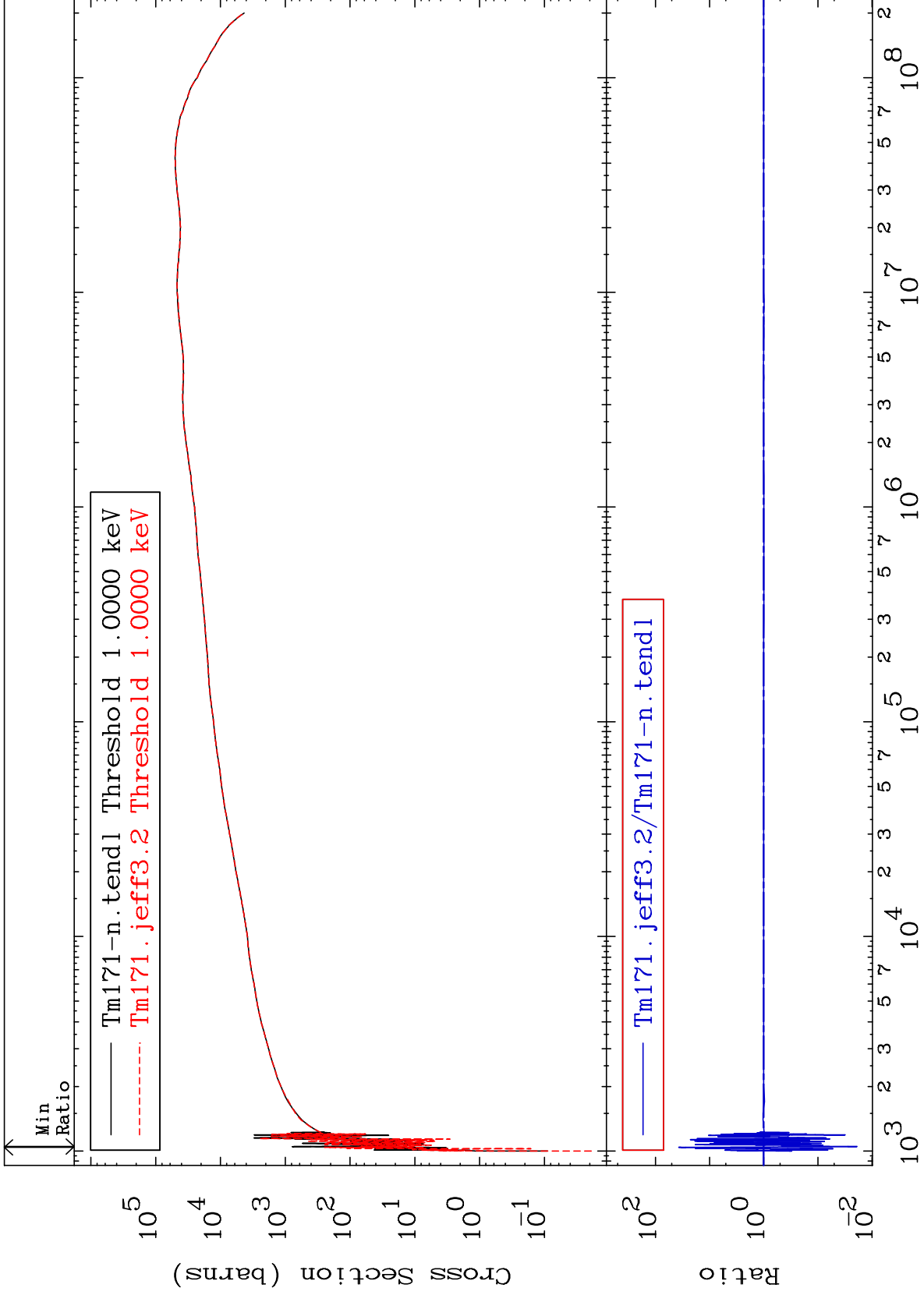
Incident Energy (eV)

69-Tm-171

MAT 6931

Dpa elastic (mt2)
Cross Section

69-Tm-171
-98.12 To 3627. %



74

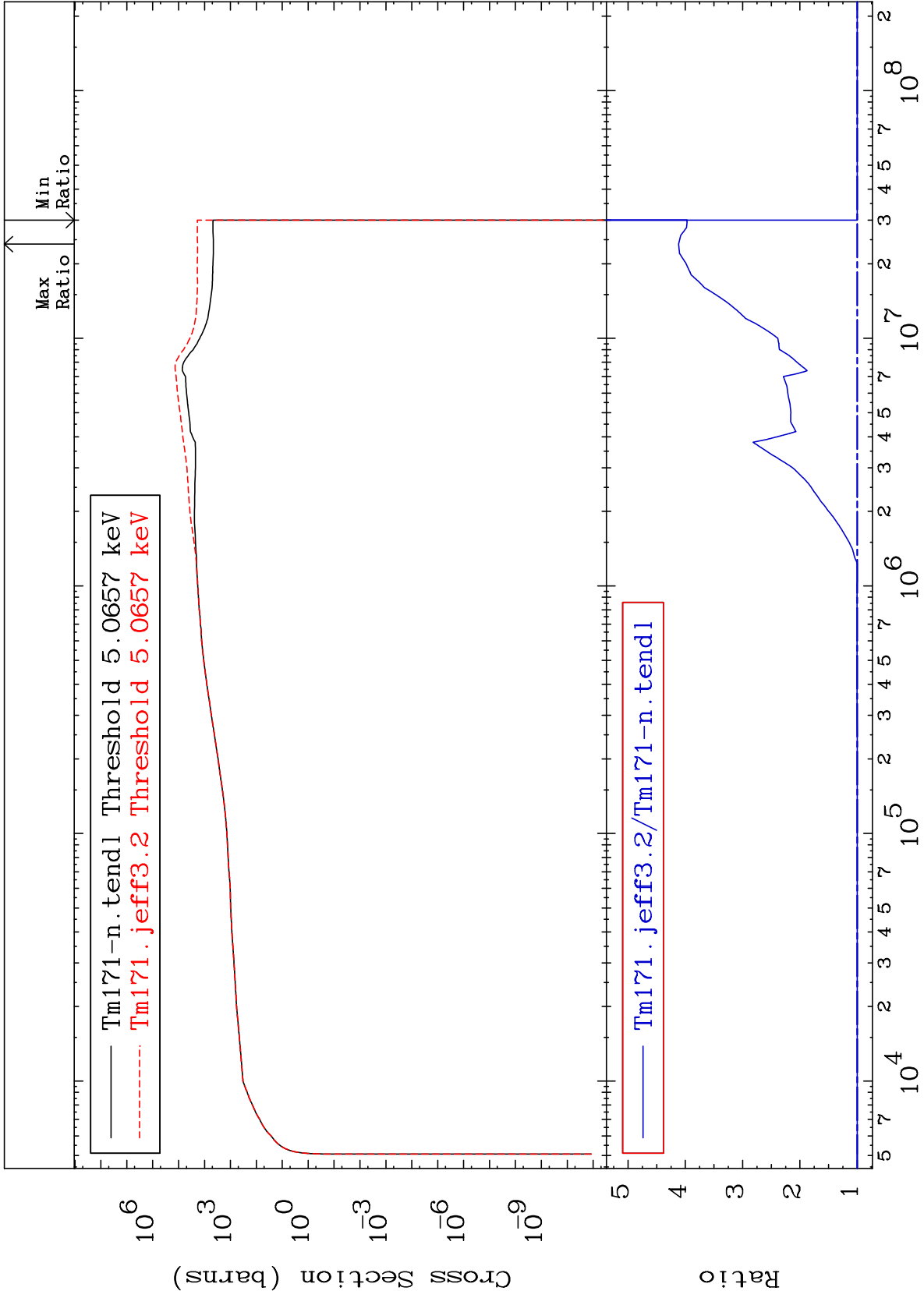
Incident Energy (eV)

69-Tm-171

MAT 6931

Dpa inelastic (mt51-91)
Cross Section

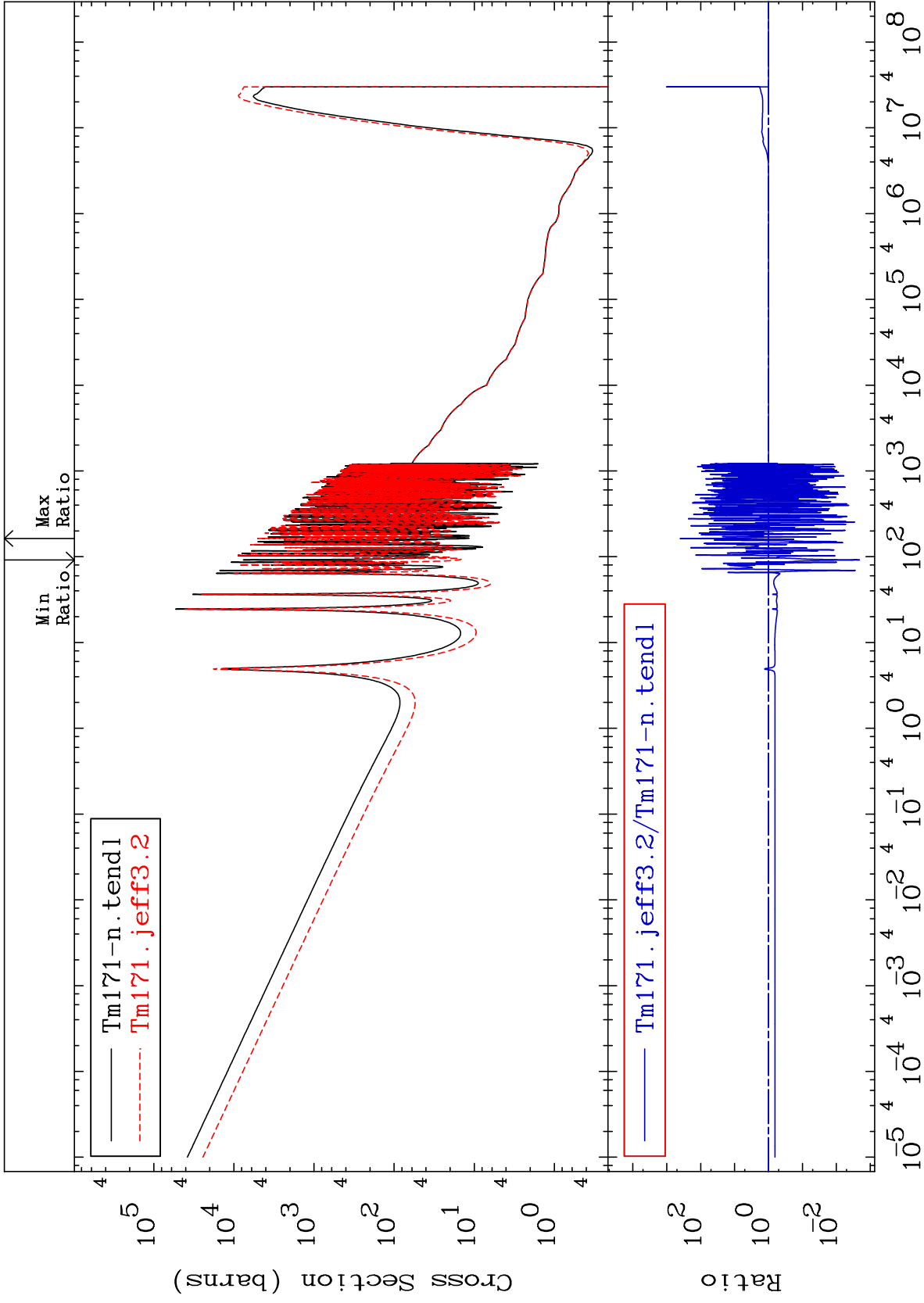
69-Tm-171
To 311.7 %



75

Incident Energy (eV)

69-Tm-171

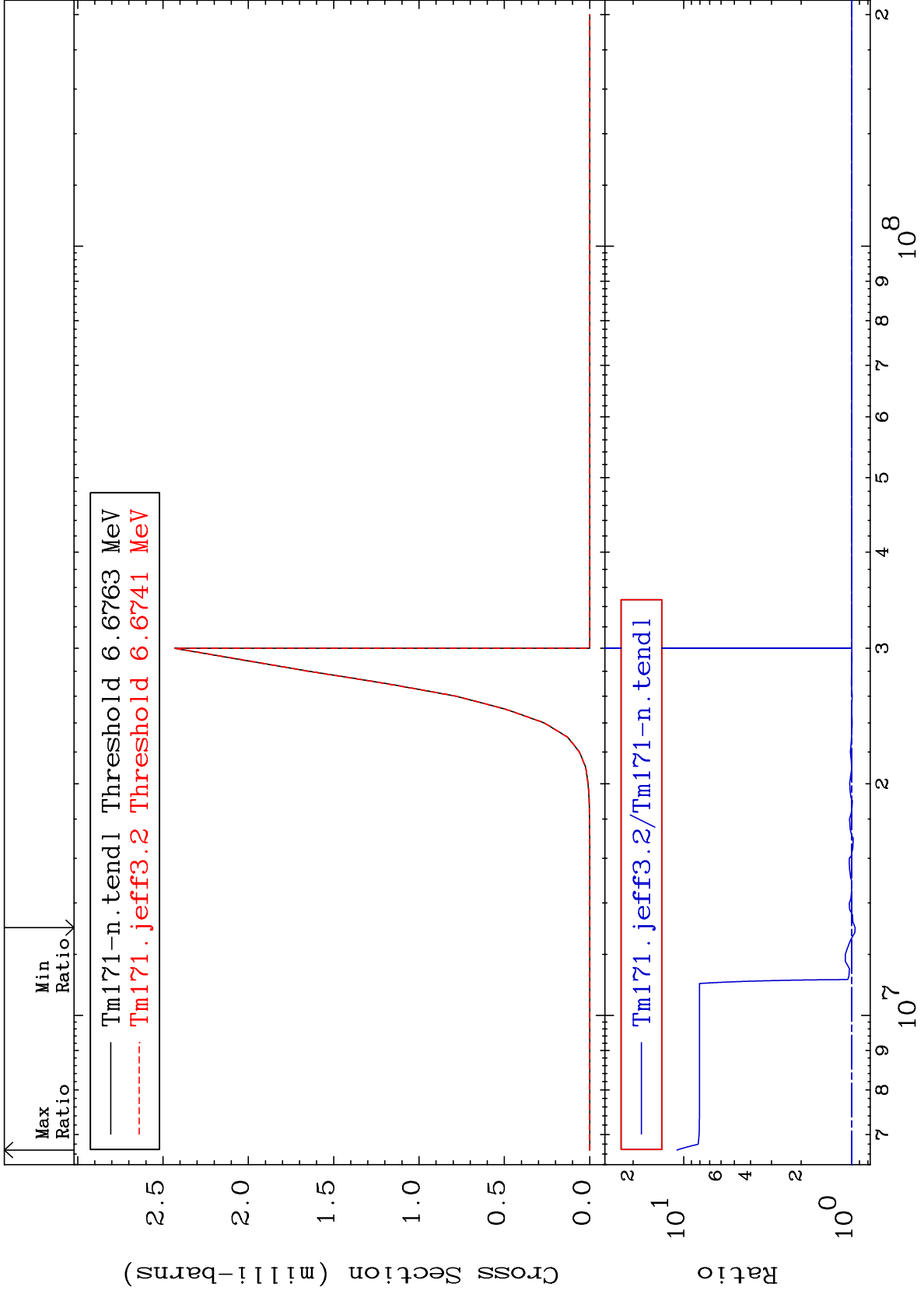


MAT 6931

(n,2n) α : 67-Ho-166g

69-Tm-171

Radionuclide Production Cross Section -4.491 To 997.5 %



77

Incident Energy (eV)

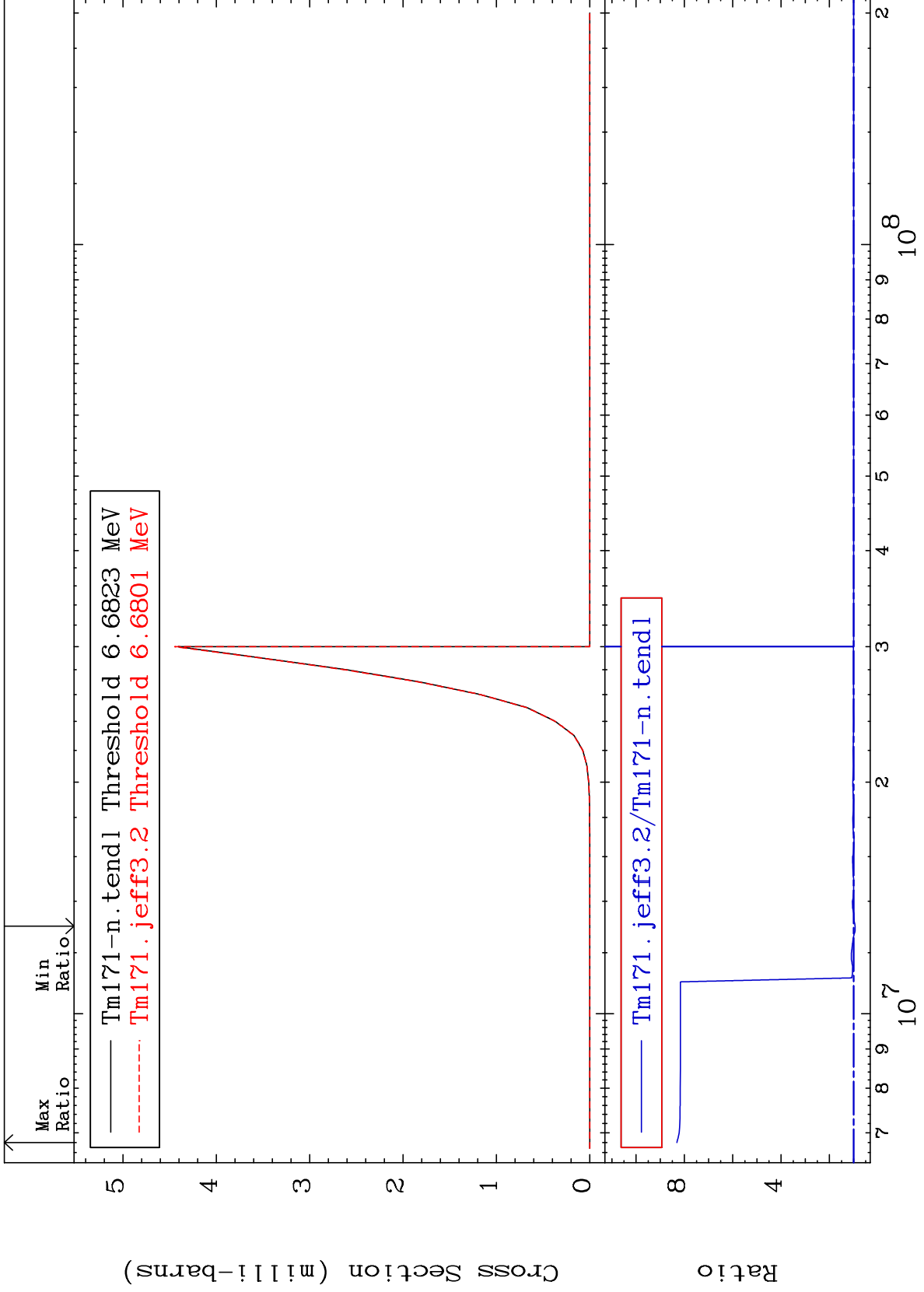
69-Tm-171

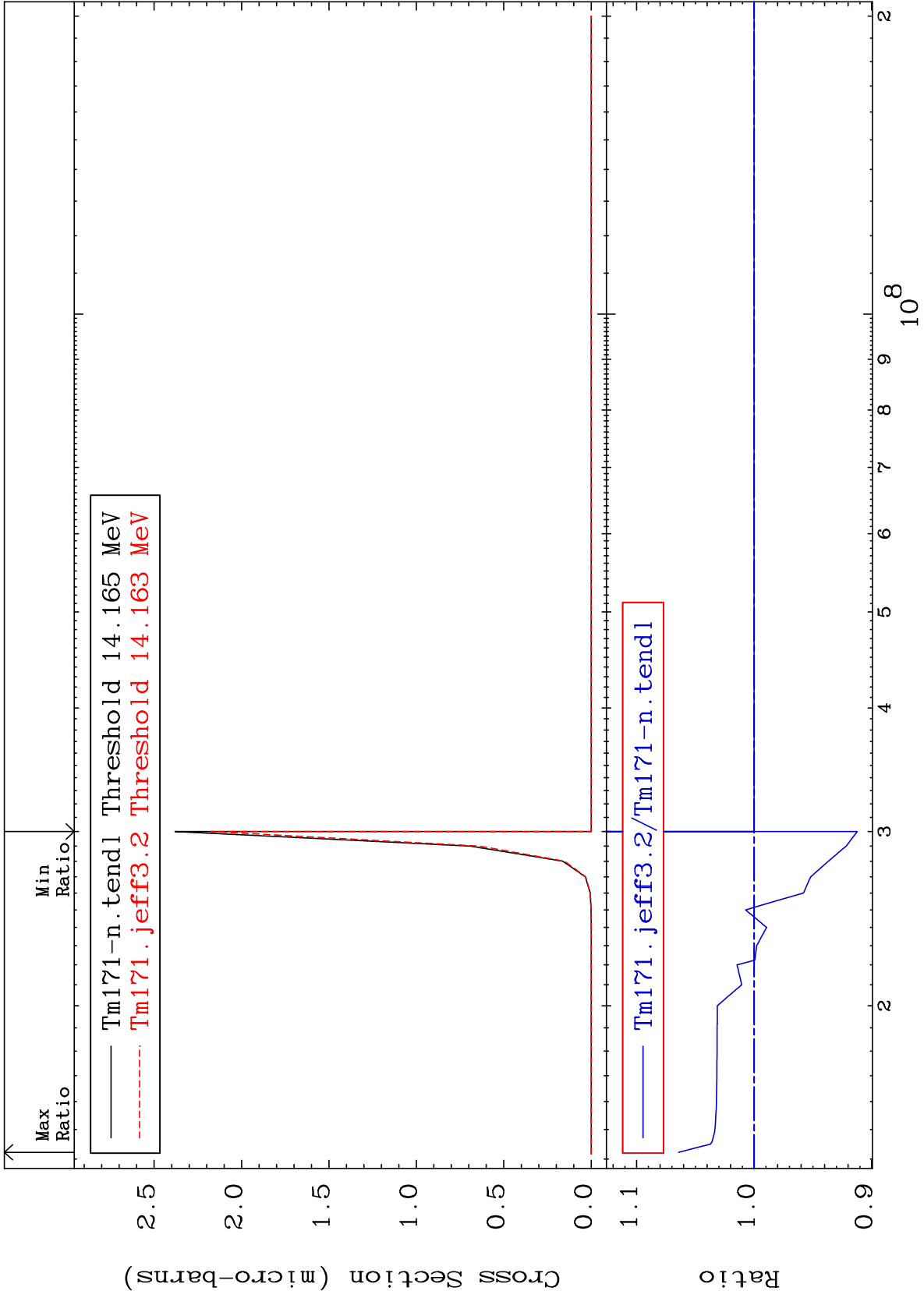
MAT 6931

(n,2n) α :67-Ho-166m1

69-Tm-171

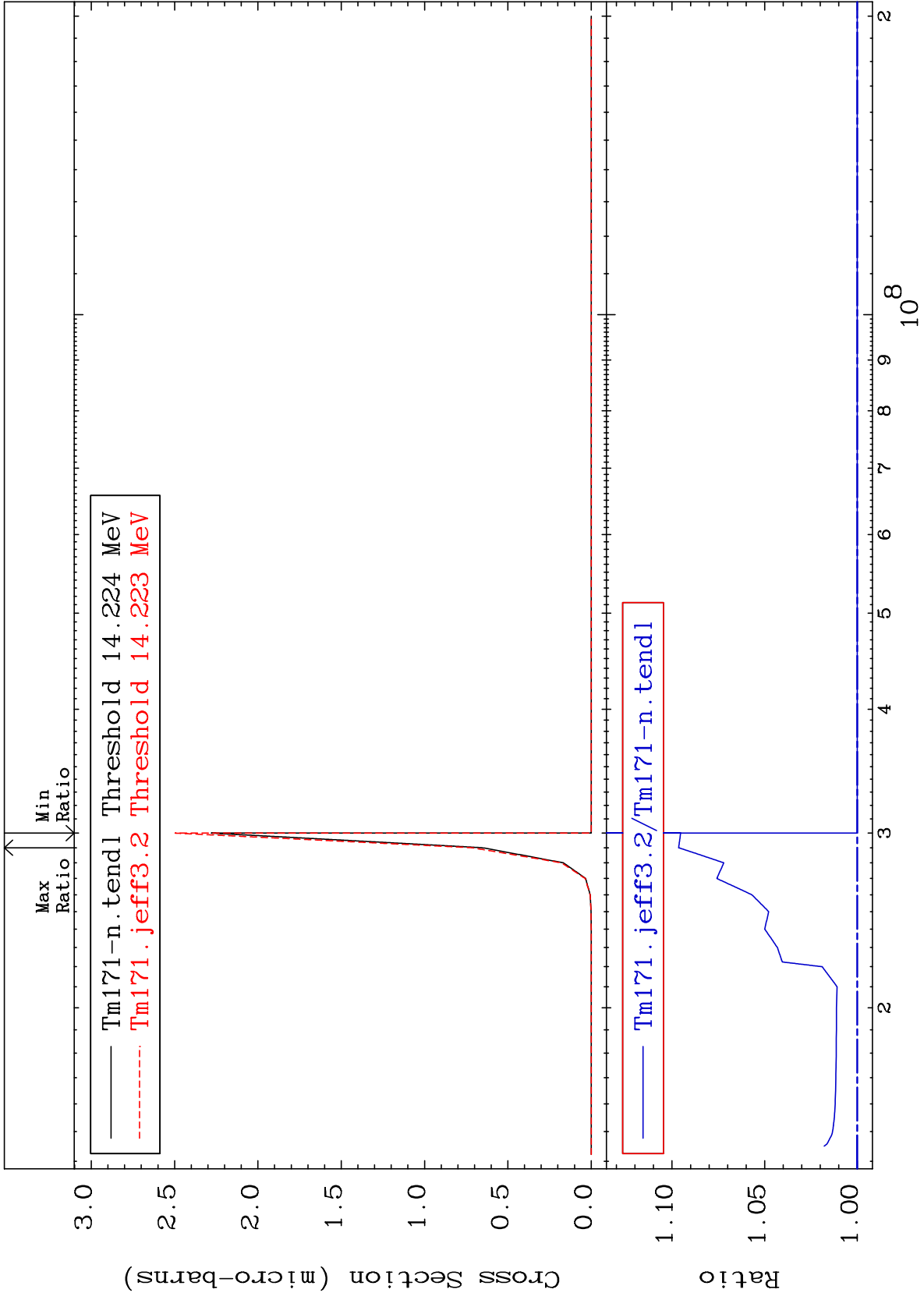
Radionuclide Production Cross Section -6.154 To 731.0 %





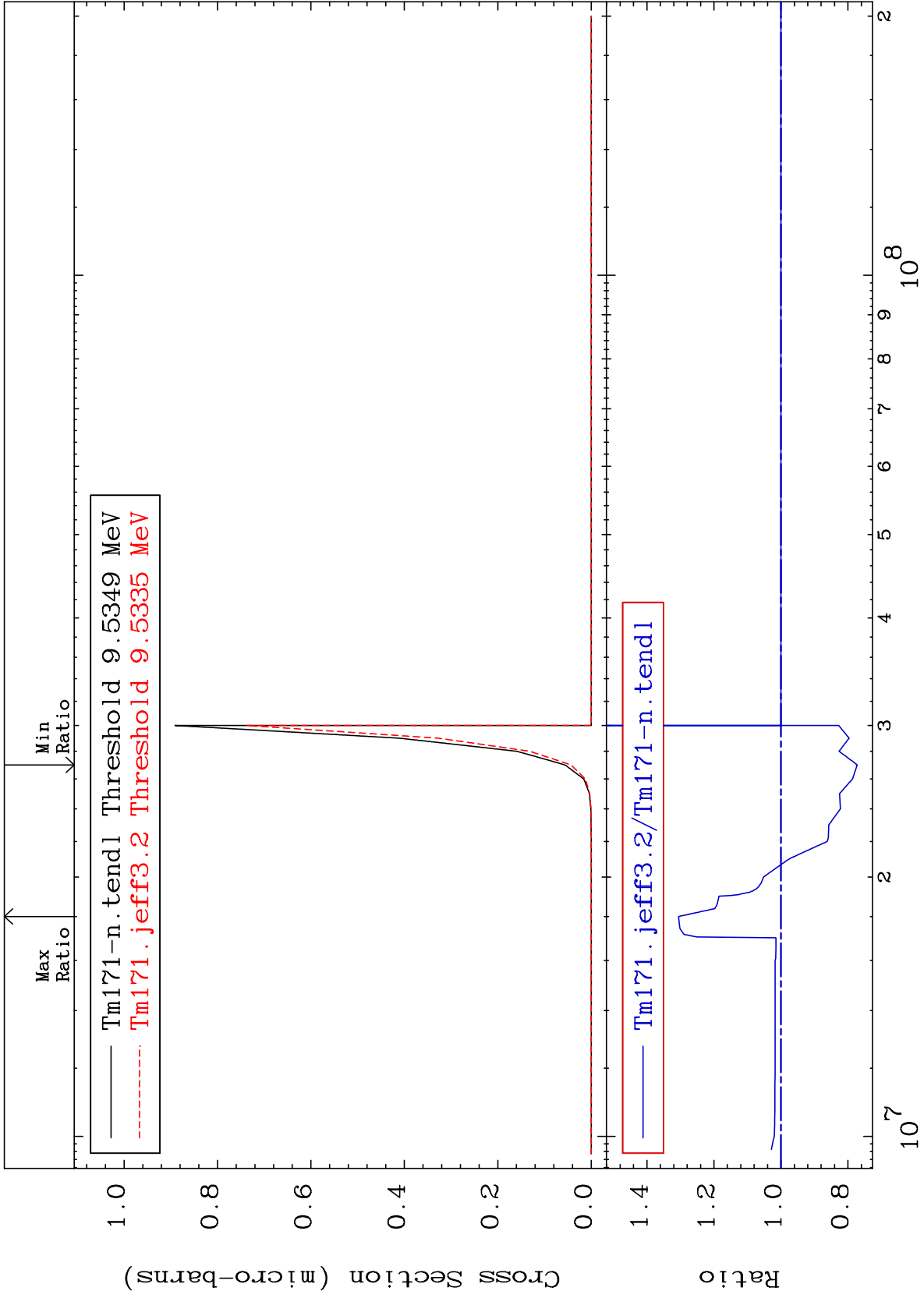
MAT 6931

(n, n') He-3:67-Ho-168m1 69-Tm-171
Radionuclide Production Cross Section 0.000 To 9.644 %



MAT 6931

(n,2p):67-Ho-170g 69-Tm-171
Radionuclide Production Cross Section -22.77 To 30.54 %



81

Incident Energy (eV)

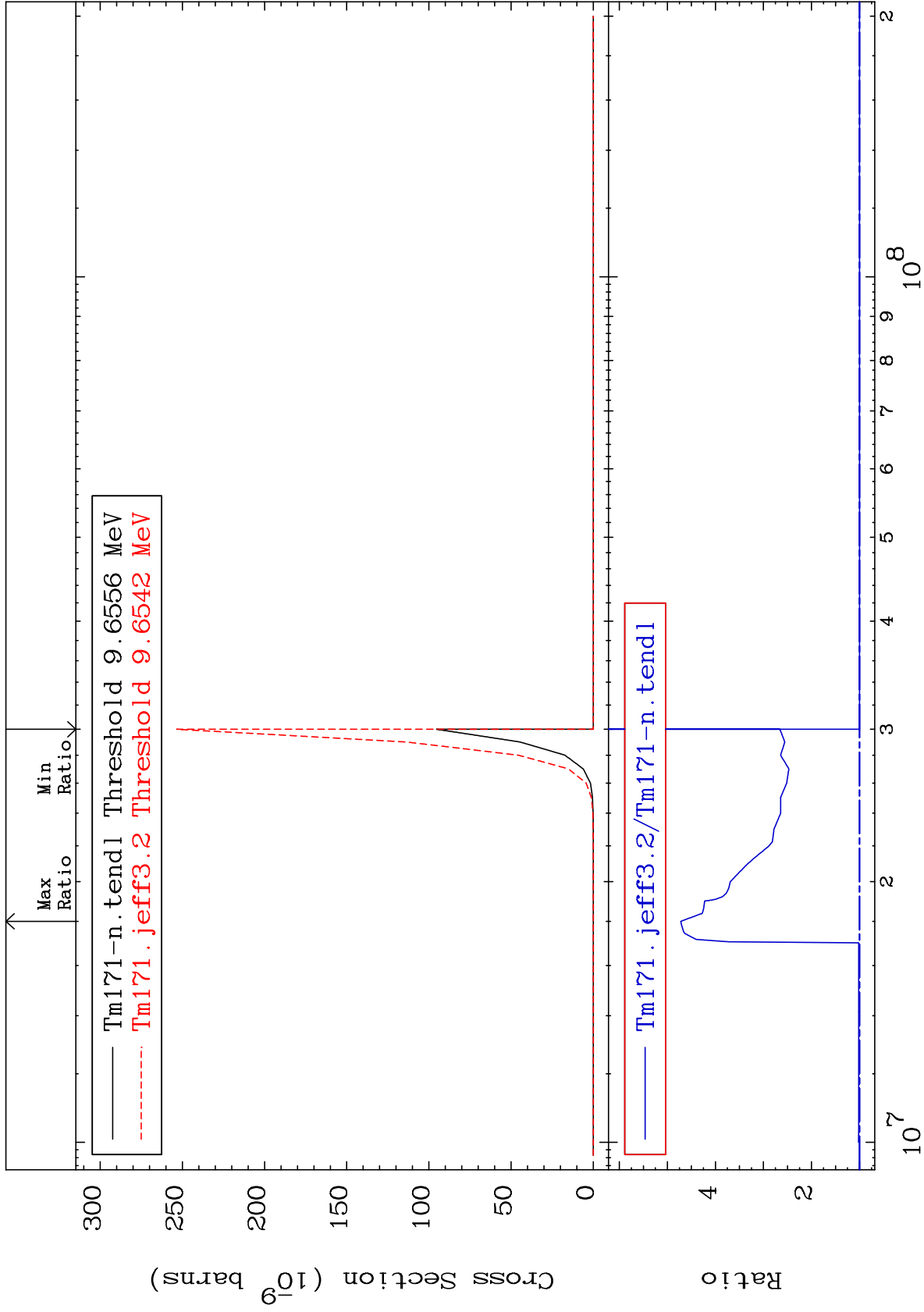
69-Tm-171

MAT 6931

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

69-Tm-171

Radionuclide Production Cross Section 0.000 To 372.2 %



82

69-Tm-171

69-Tm-171