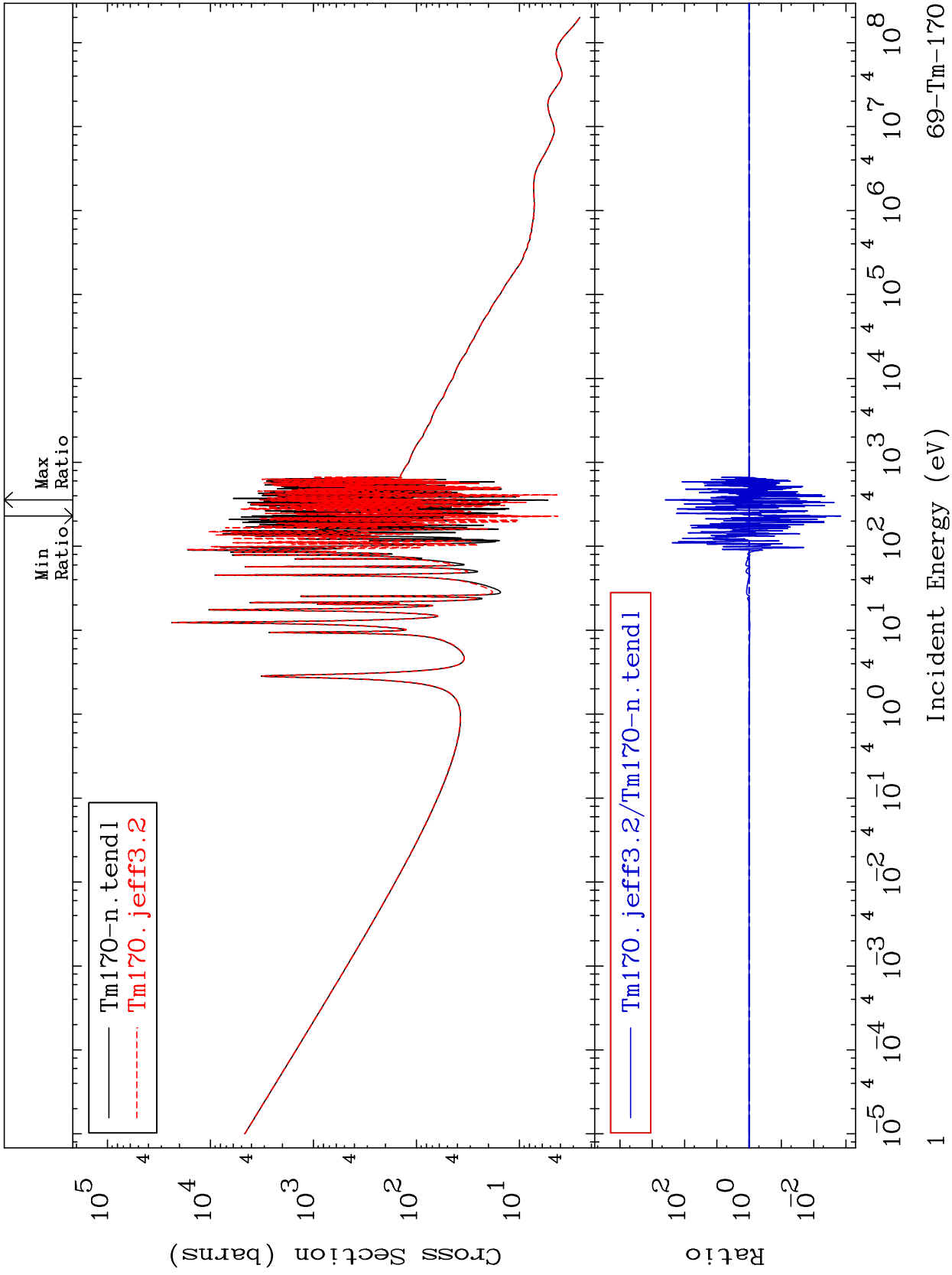


MAT 6928

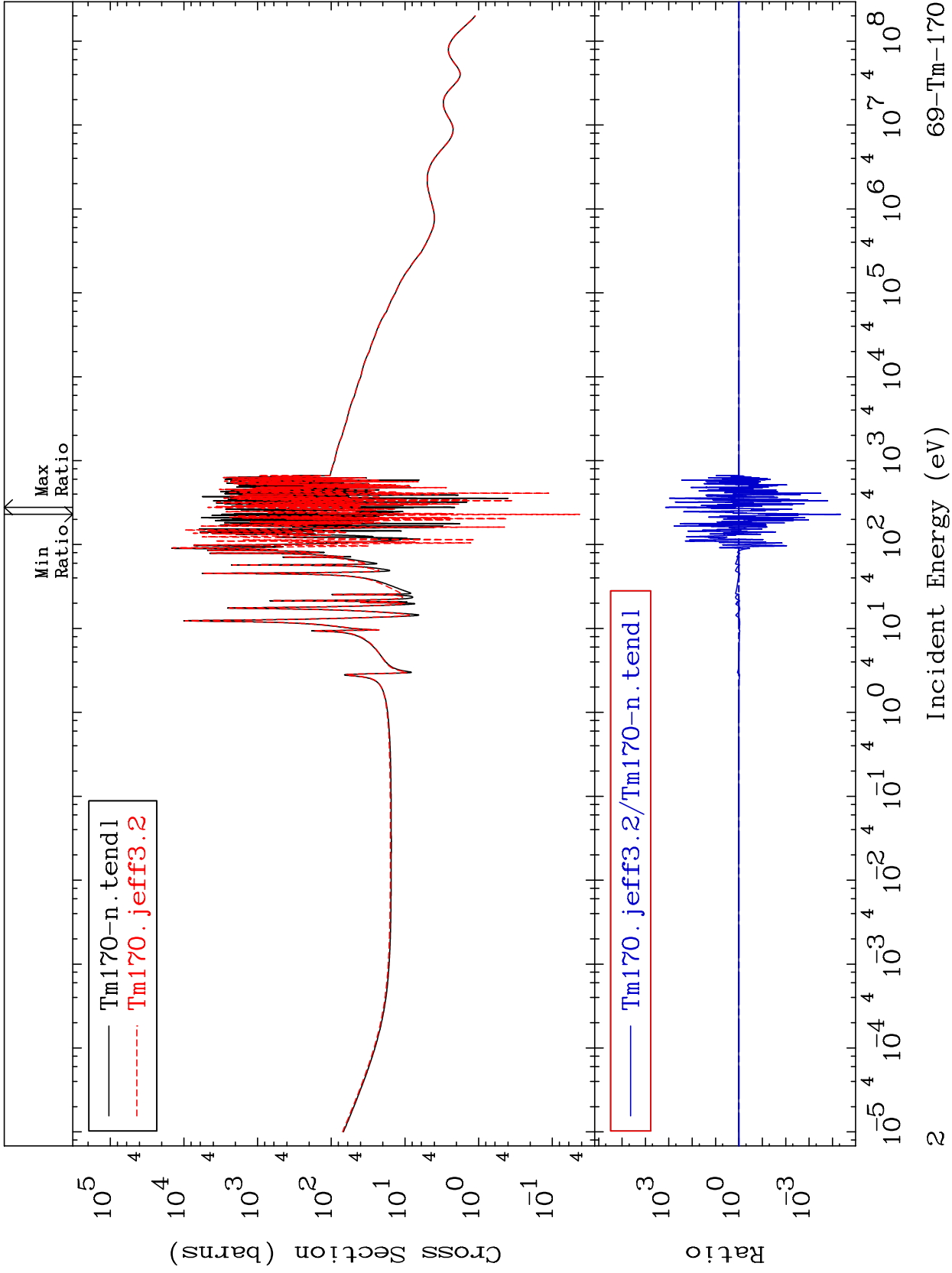
Total Cross Section
69-Tm-170
-99.85 To 9999. %



69-Tm-170

MAT 6928

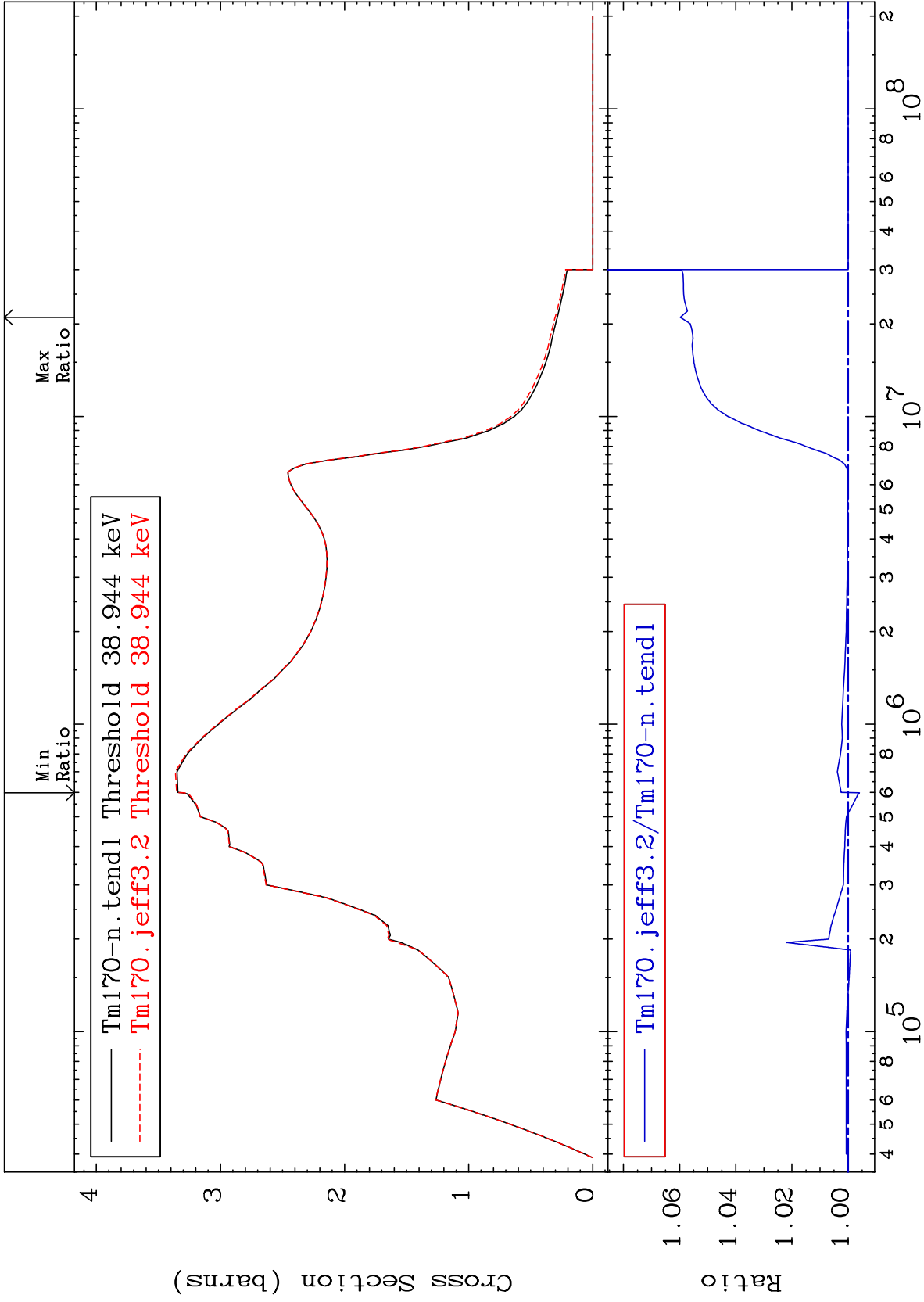
Elastic Cross Section
69-Tm-170
-100.0 To 9999. %



69-Tm-170

MAT 6928

Inelastic Cross Section
69-Tm-170
-0.405 To 5.973 %



3

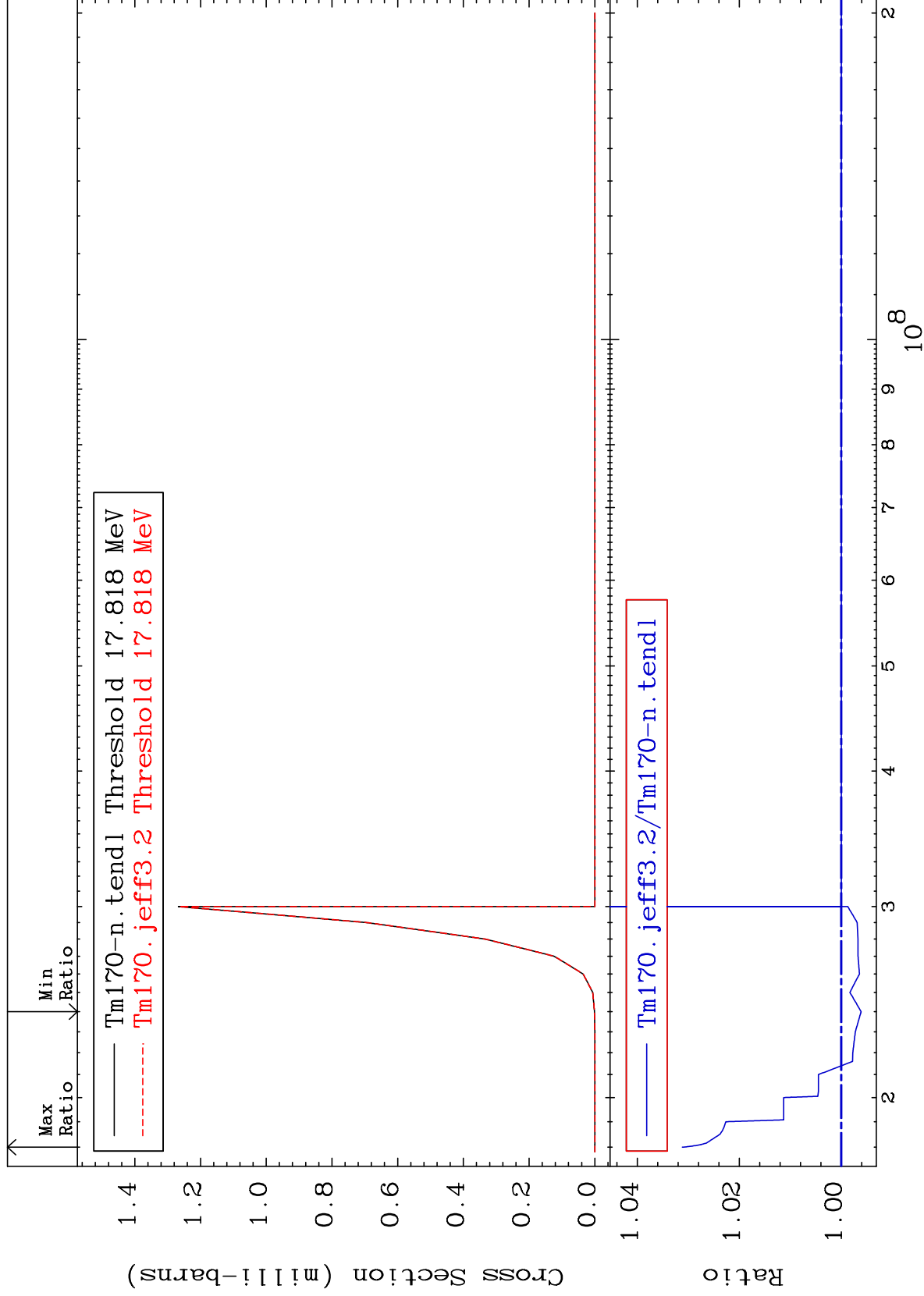
Incident Energy (eV)

69-Tm-170

MAT 6928

(n,2n) d
Cross Section

69-Tm-170
-0.388 To 3.117 %



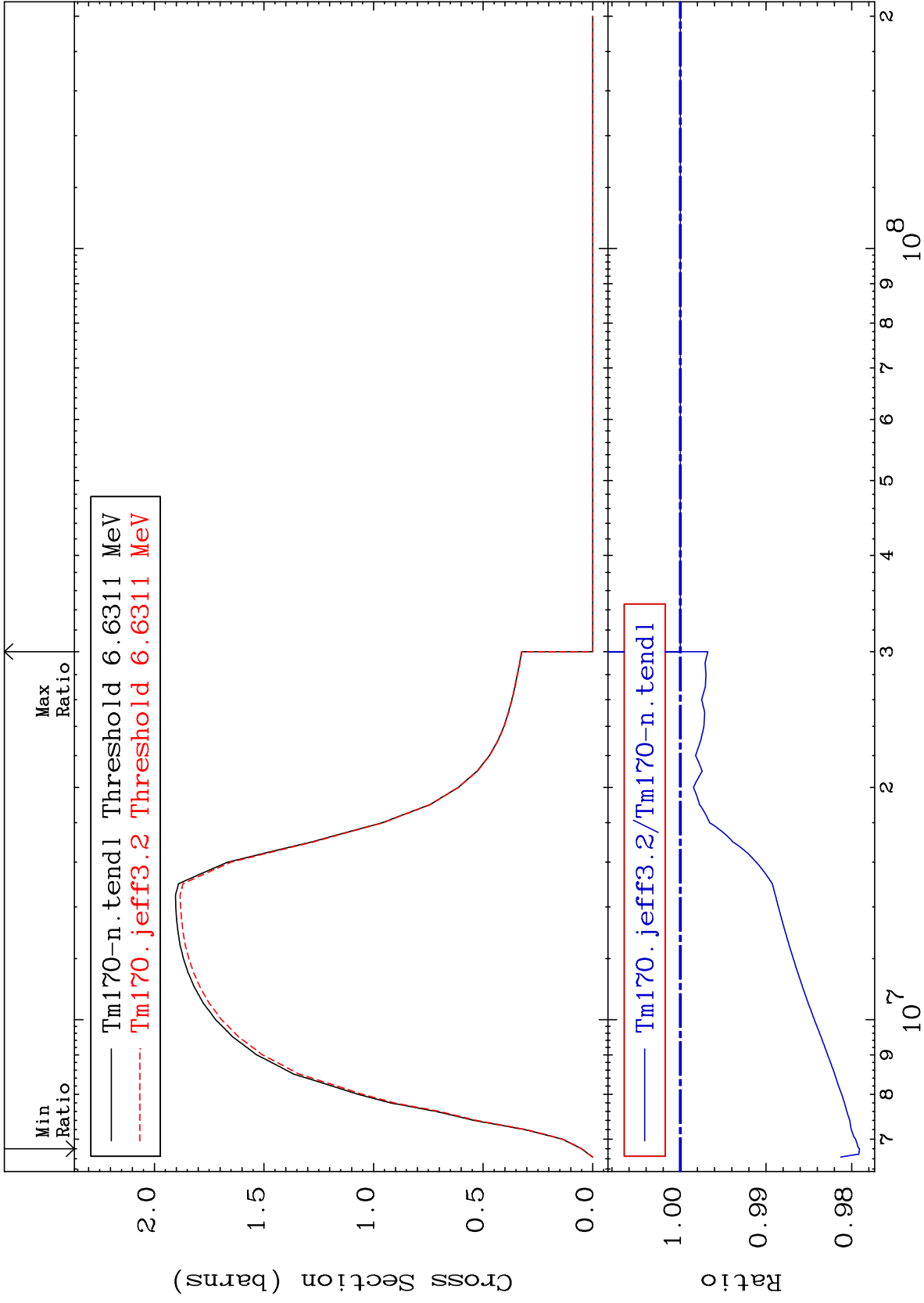
MAT 6928

(n,2n)

69-Tm-170

Cross Section

-2.091 To 0.000 %



5

Incident Energy (eV)

69-Tm-170

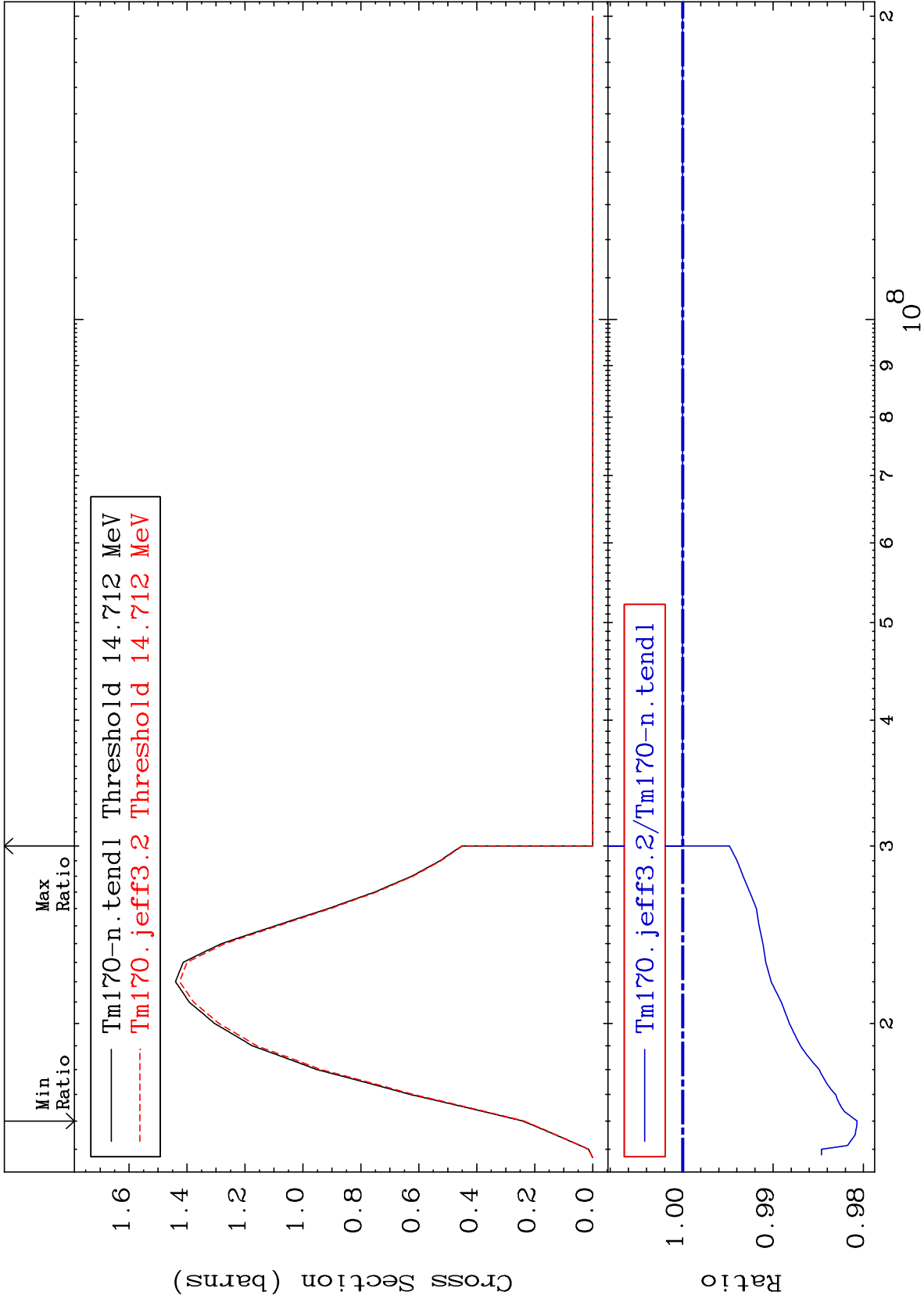
MAT 6928

(n, 3n)

69-Tm-170

Cross Section

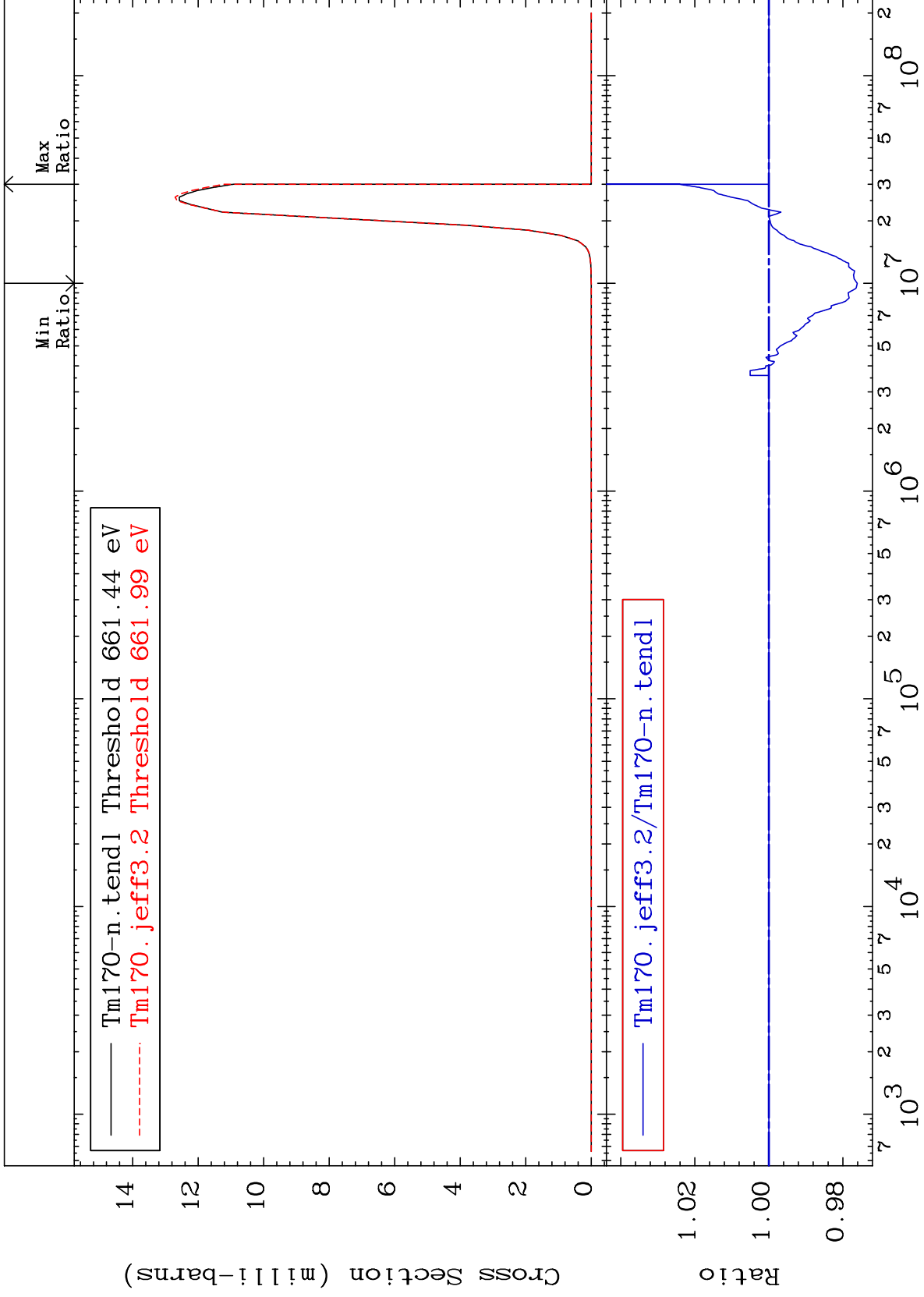
-1.930 To 0.000 %



MAT 6928

(n, n') α
Cross Section

69-Tm-170
-2.388 To 2.435 %



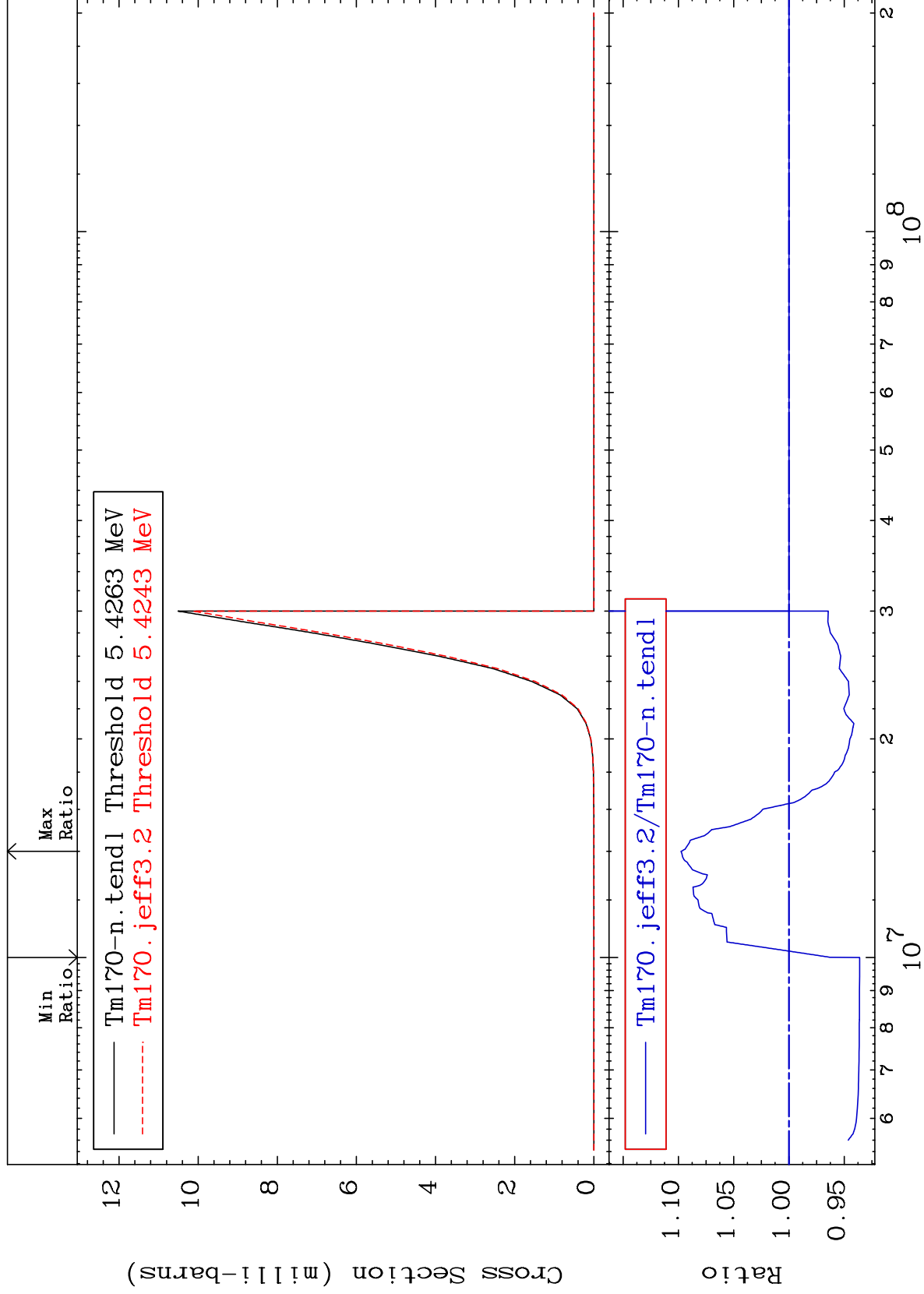
Incident Energy (eV)

69-Tm-170

MAT 6928

(n,2n) α
Cross Section

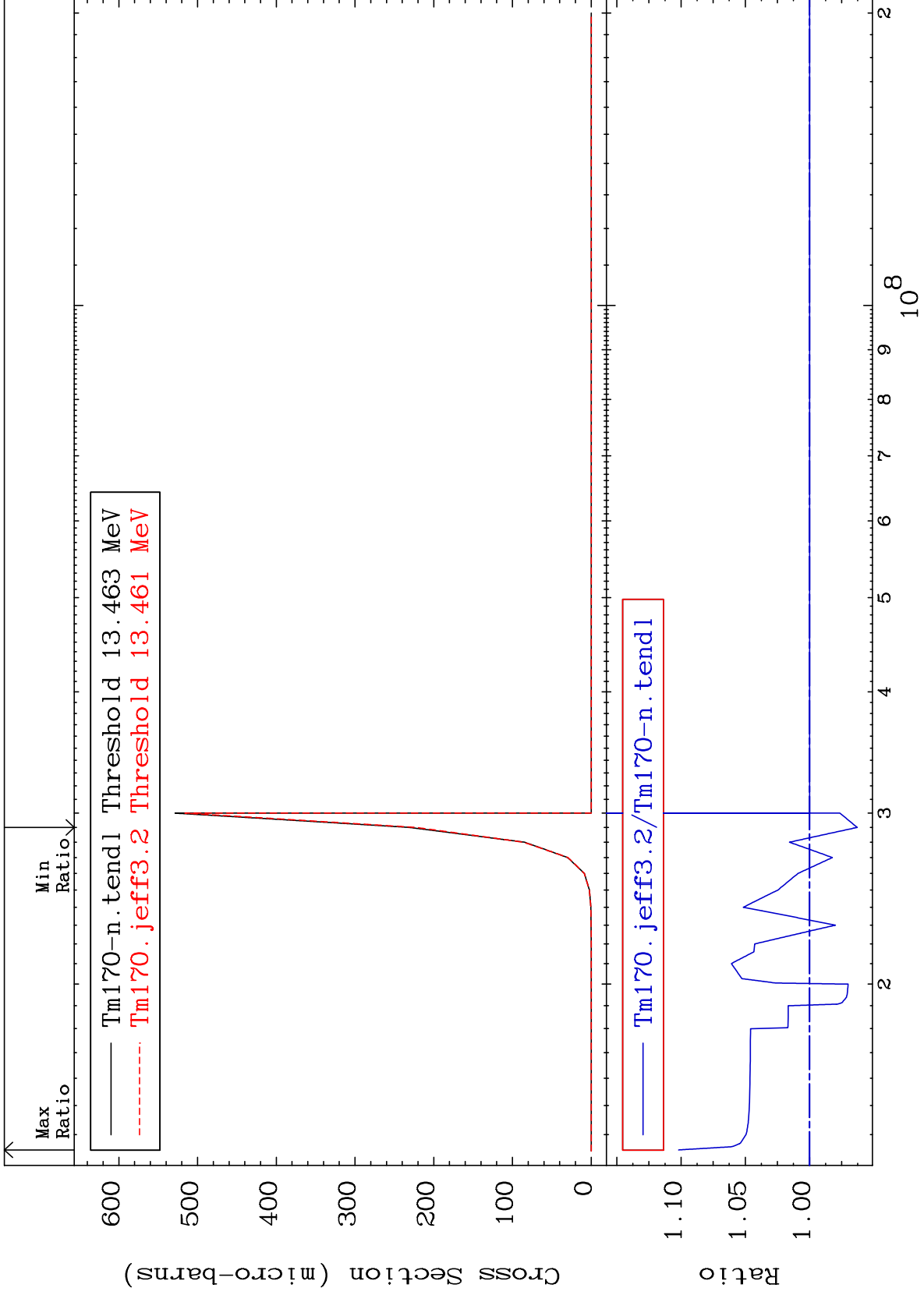
69-Tm-170
-6.399 To 9.749 %



MAT 6928

(n,3n) α
Cross Section

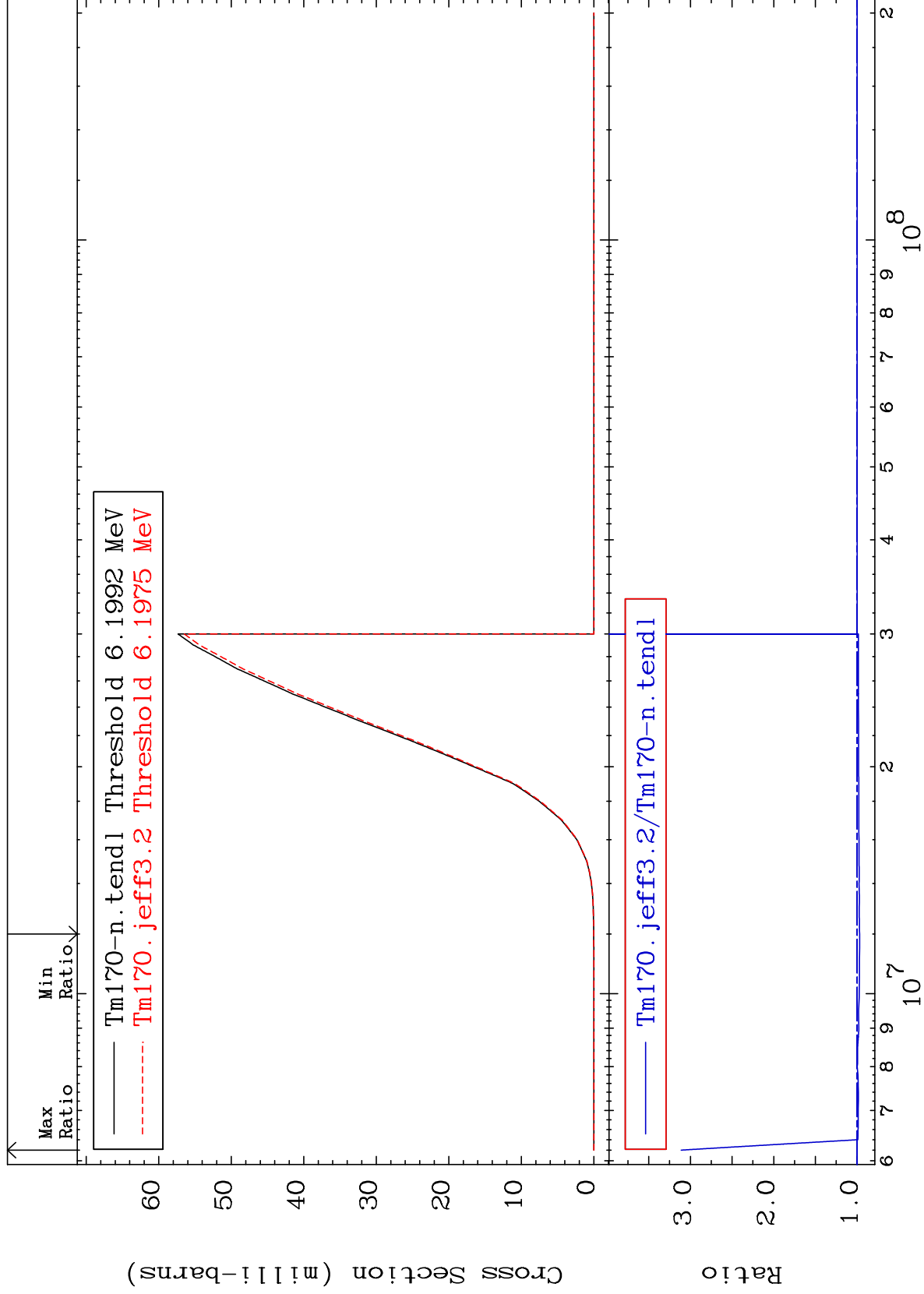
69-Tm-170
-3.713 To 10.19 %



MAT 6928

(n, n') p
Cross Section

69-Tm-170
-3.083 To 211.1 %



10

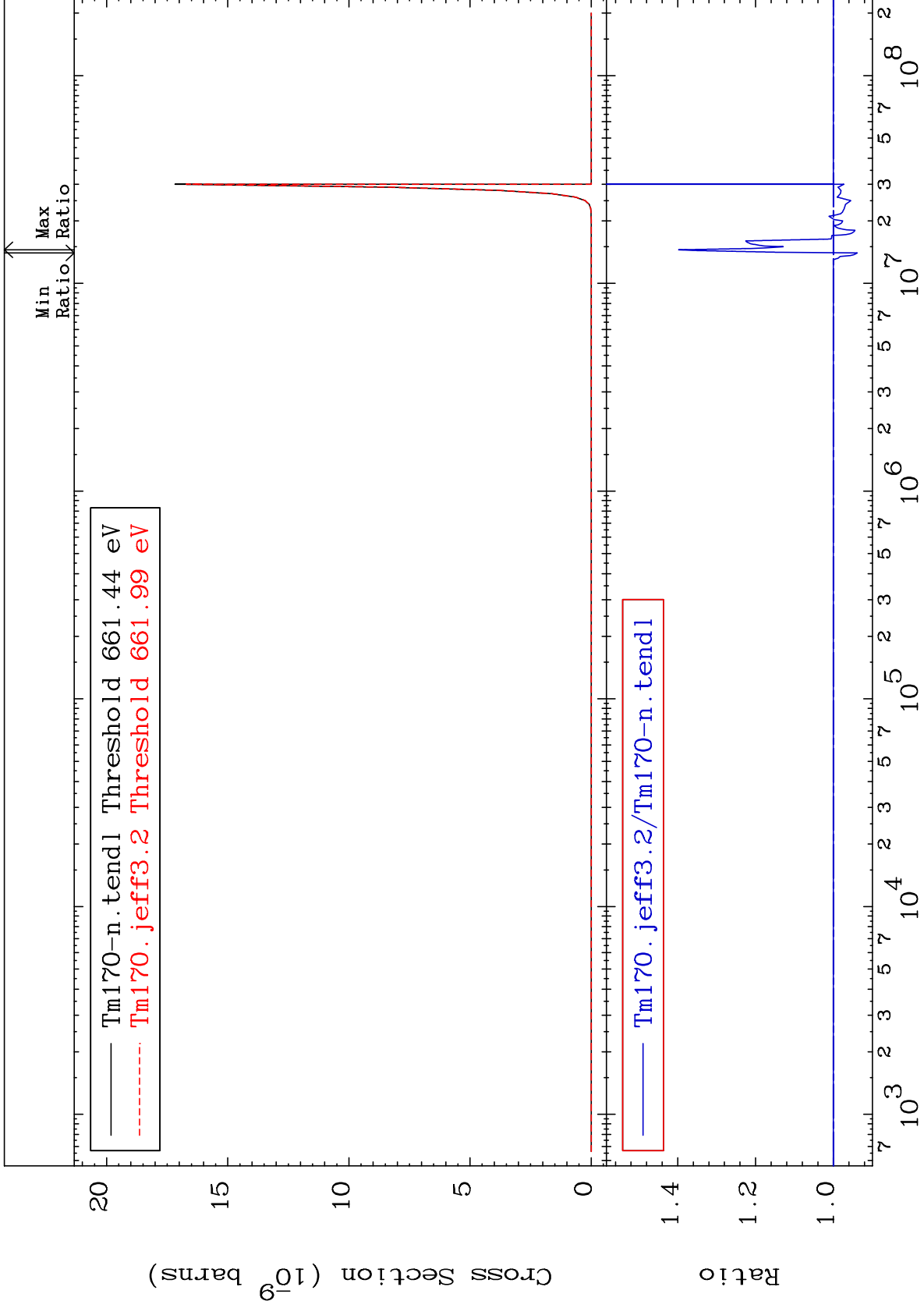
Incident Energy (eV)

69-Tm-170

MAT 6928

(n, n') 2α
Cross Section

69-Tm-170
-6.128 To 39.77 %



11

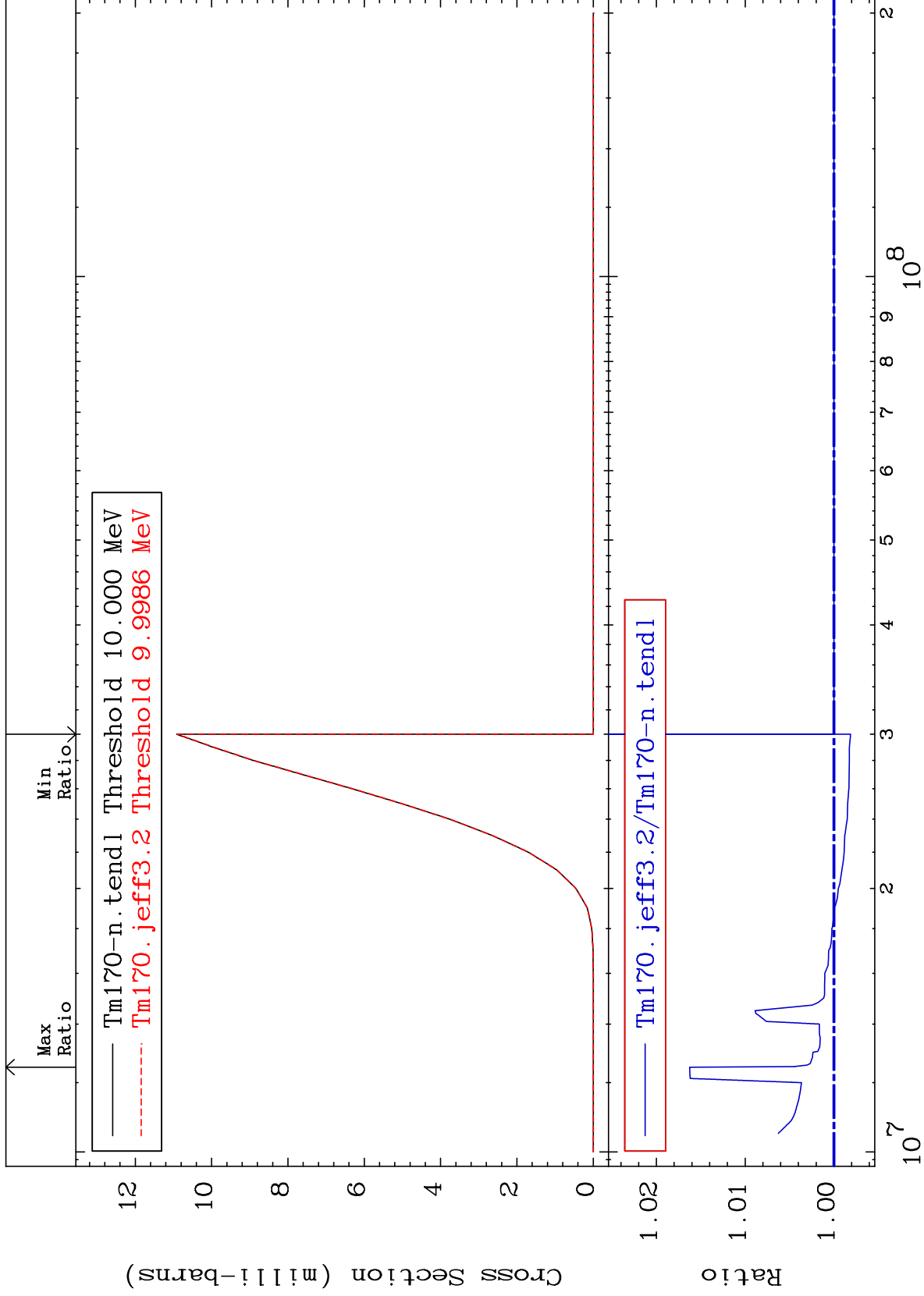
Incident Energy (eV)

69-Tm-170

MAT 6928

(n, n') d
Cross Section

69-Tm-170
-0.188 To 1.624 %

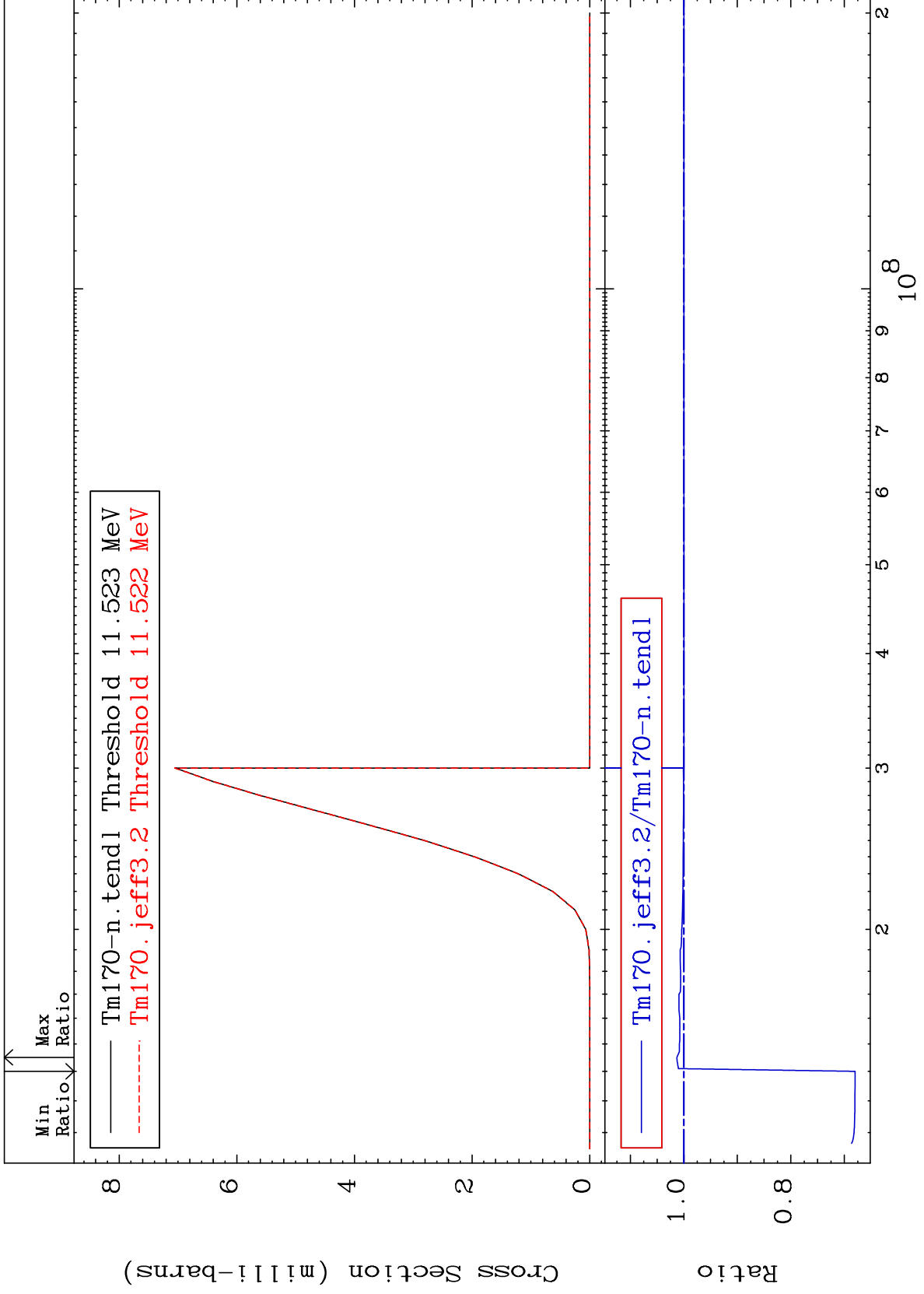


69-Tm-170

MAT 6928

(n,n') t
Cross Section

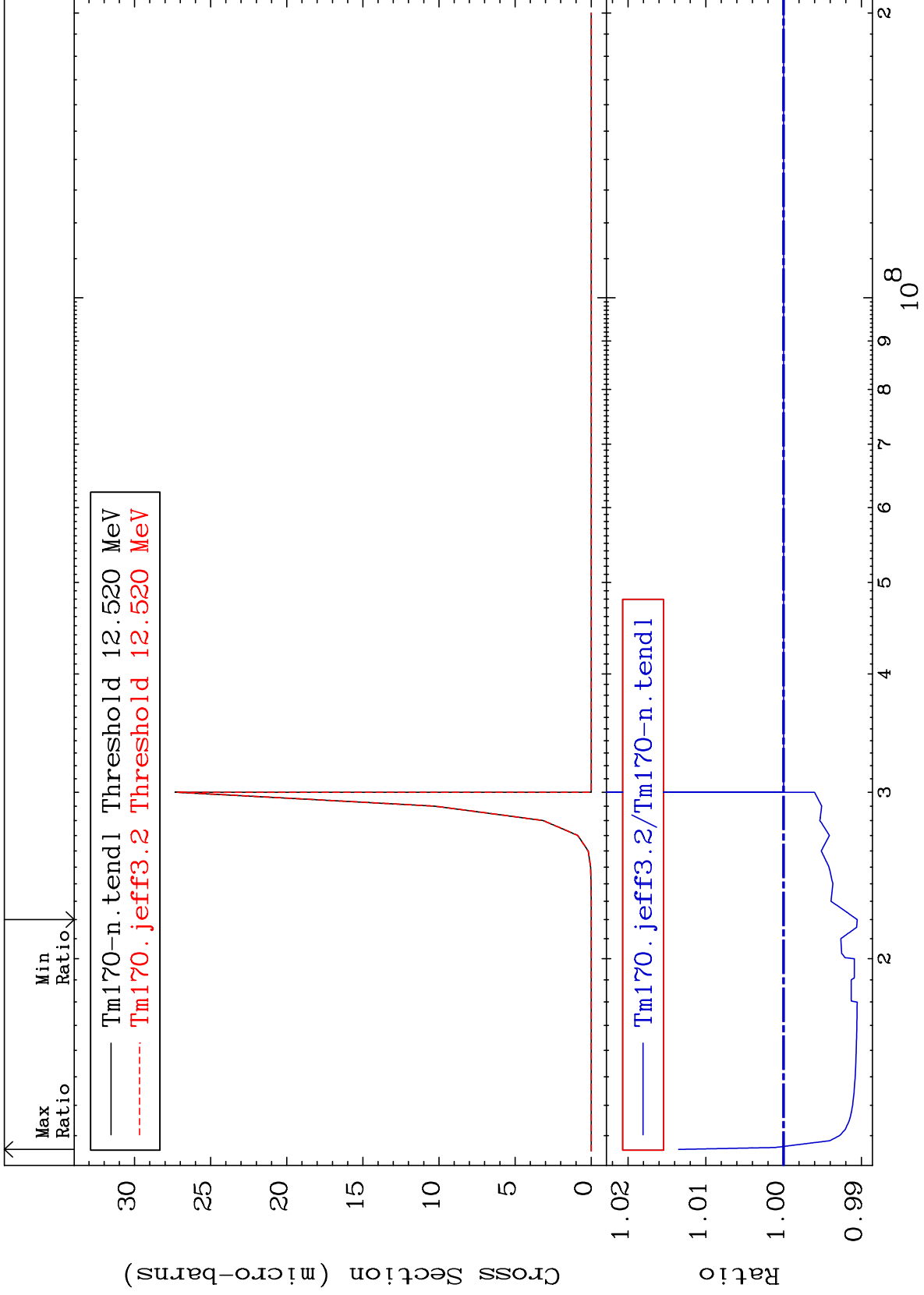
69-Tm-170
-32.00 To 1.290 %



MAT 6928

(n, n') He-3
Cross Section

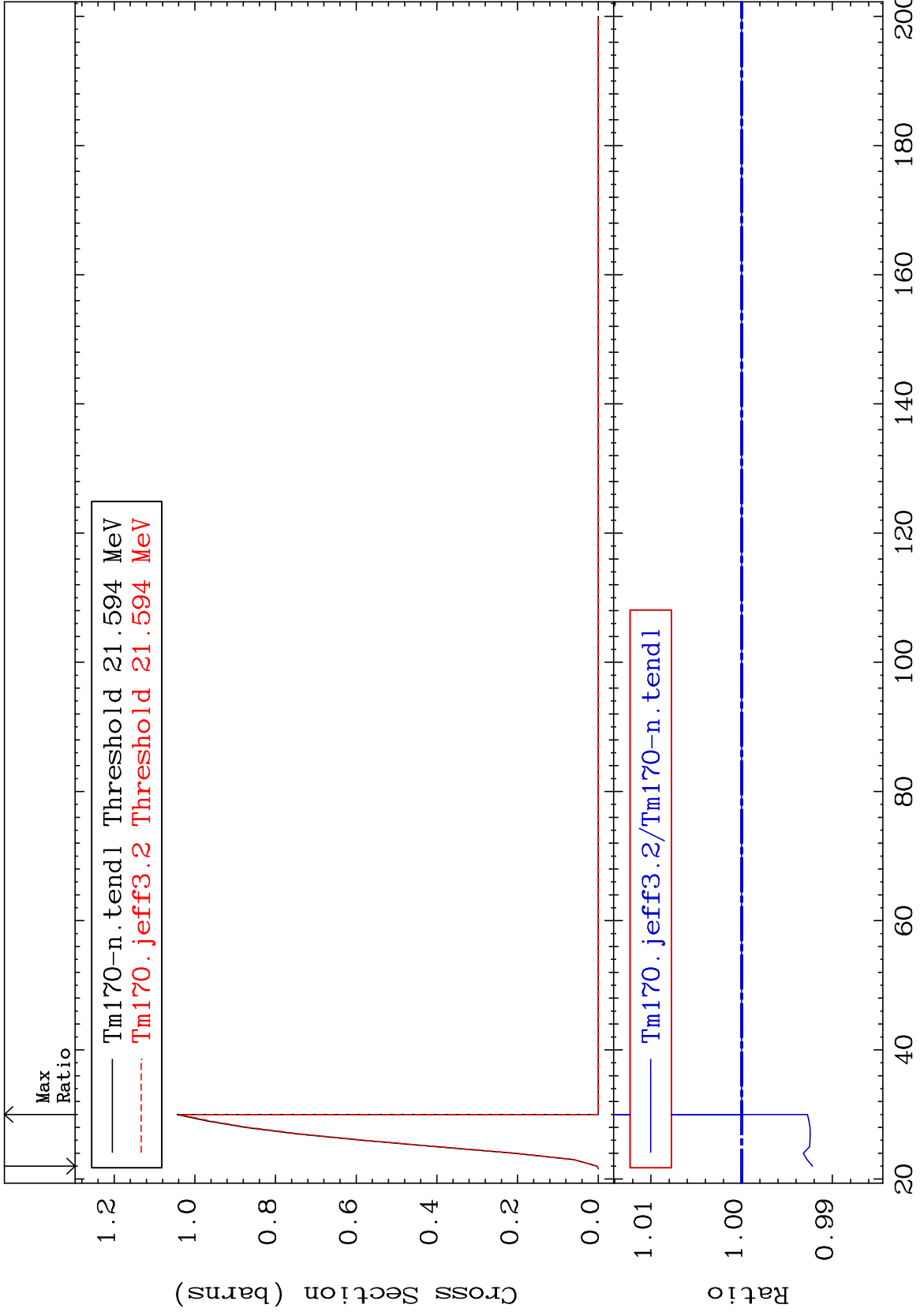
69-Tm-170
-0.948 To 1.349 %



MAT 6928

(n,4n)
Cross Section

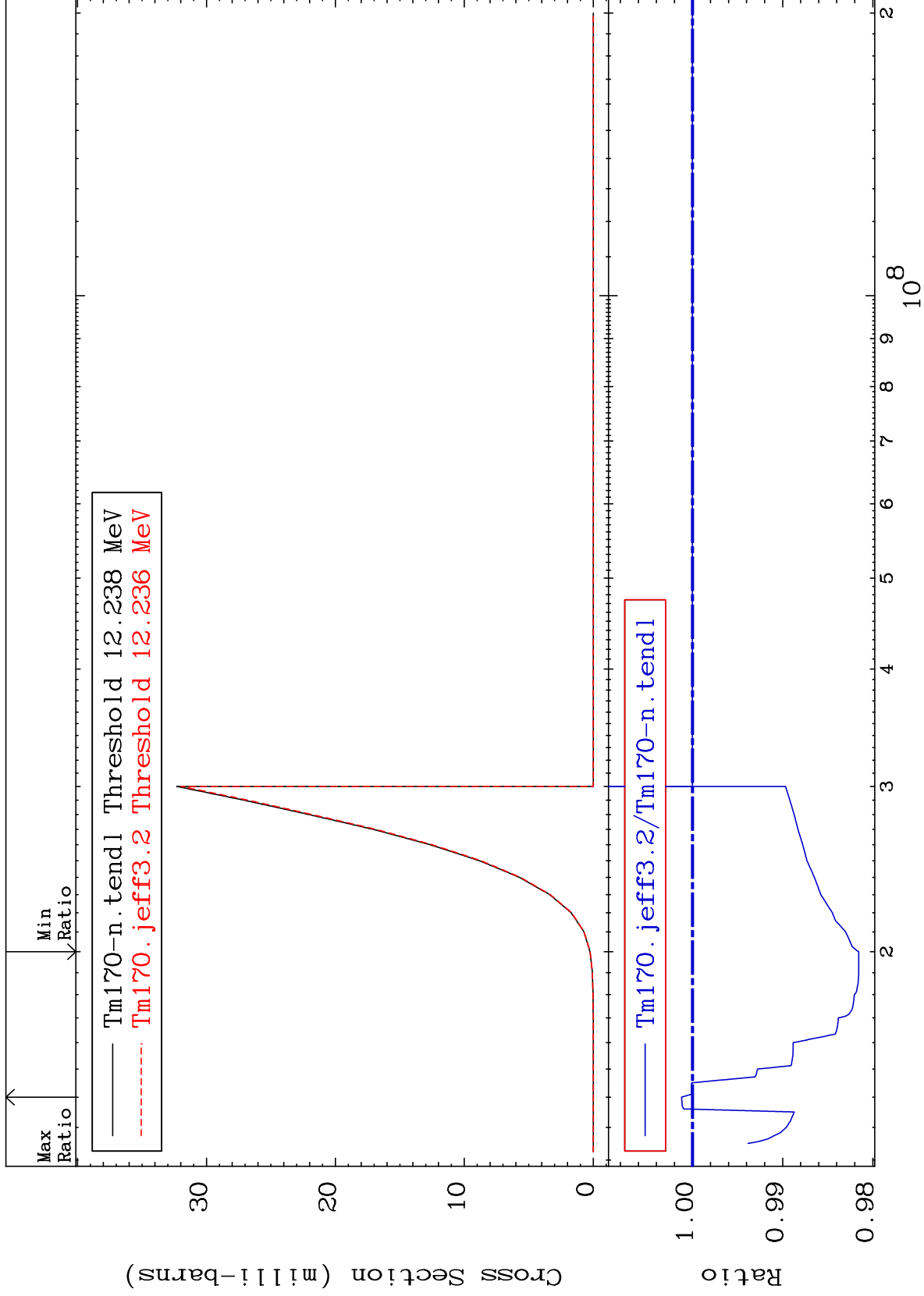
69-Tm-170
-0.781 To 0.000 %



MAT 6928

(n,2n) p
Cross Section

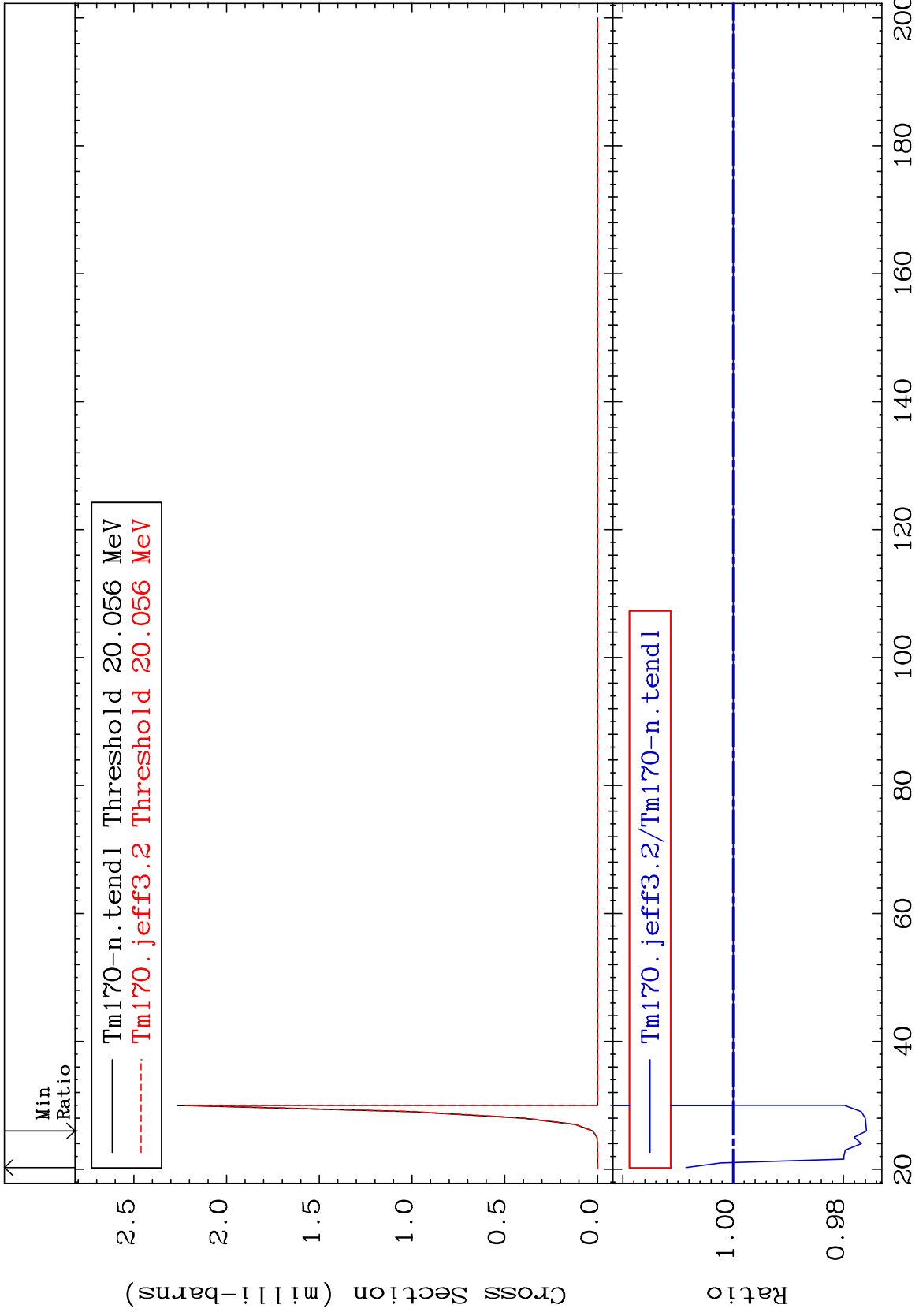
69-Tm-170
-1.844 To 0.121 %



MAT 6928

(n,3n) p
Cross Section

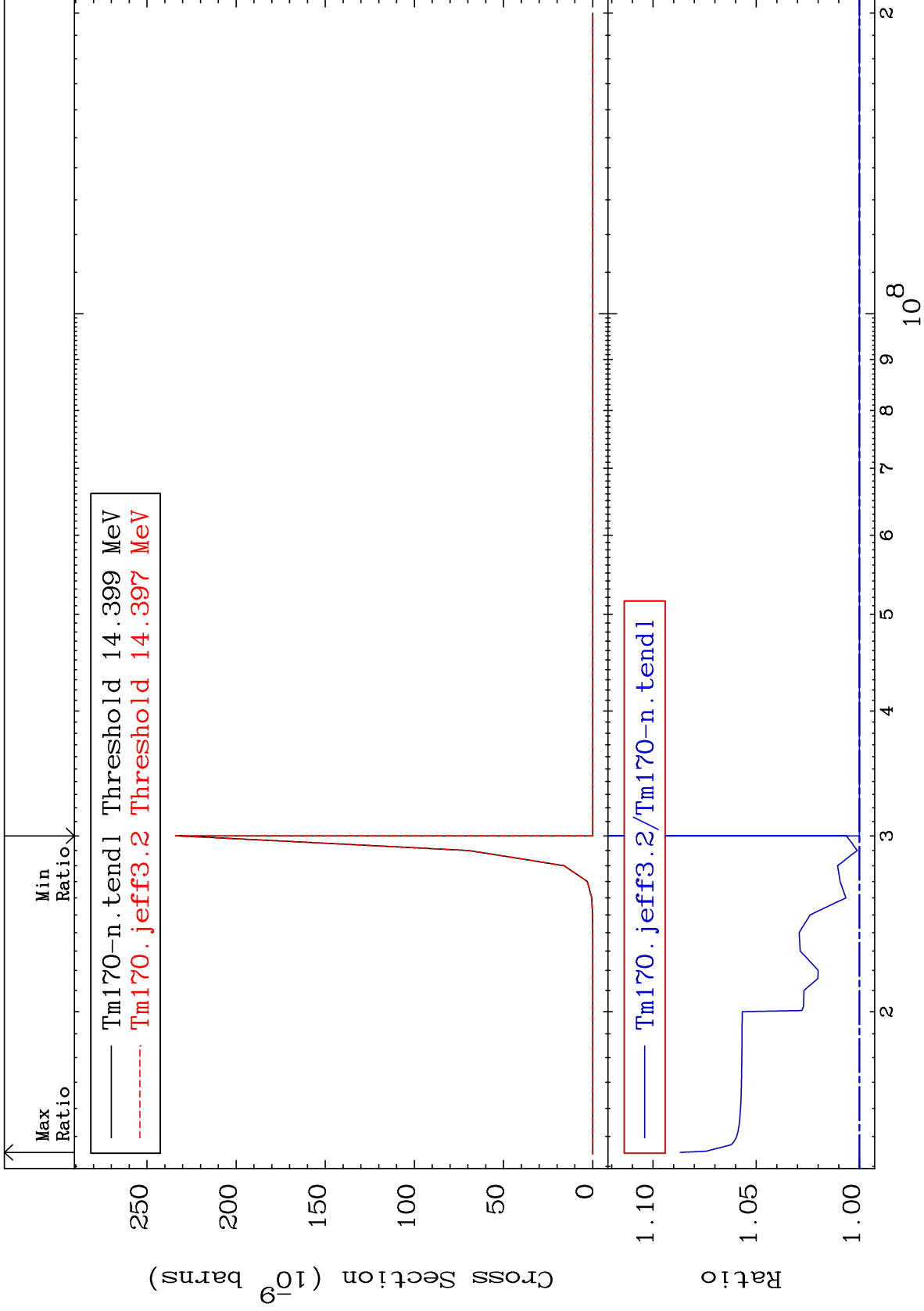
69-Tm-170
-2.418 To 0.855 %



MAT 6928

(n,2n) p
Cross Section

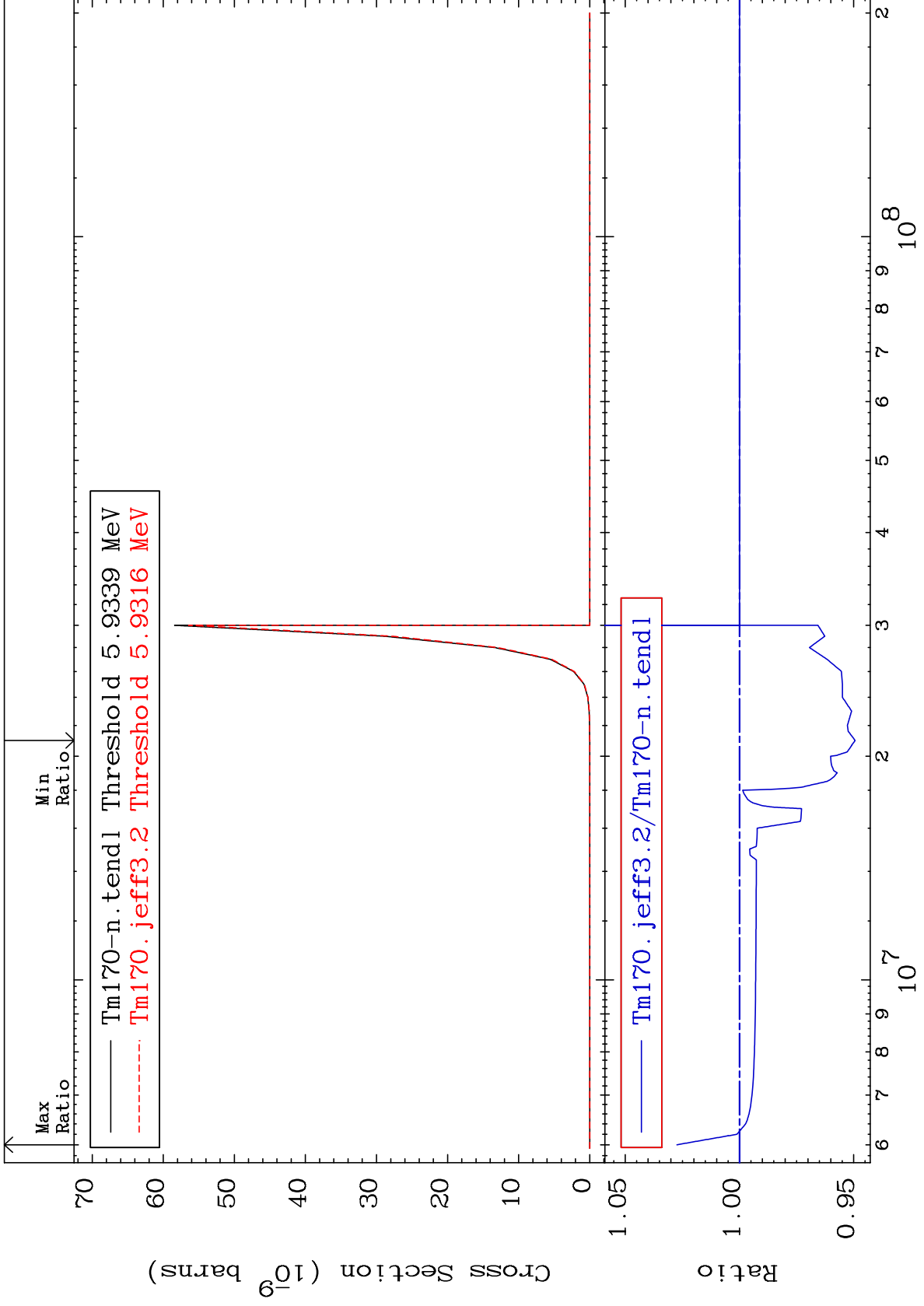
69-Tm-170
0.000 To 8.674 %



MAT 6928

(n,n') p α
Cross Section

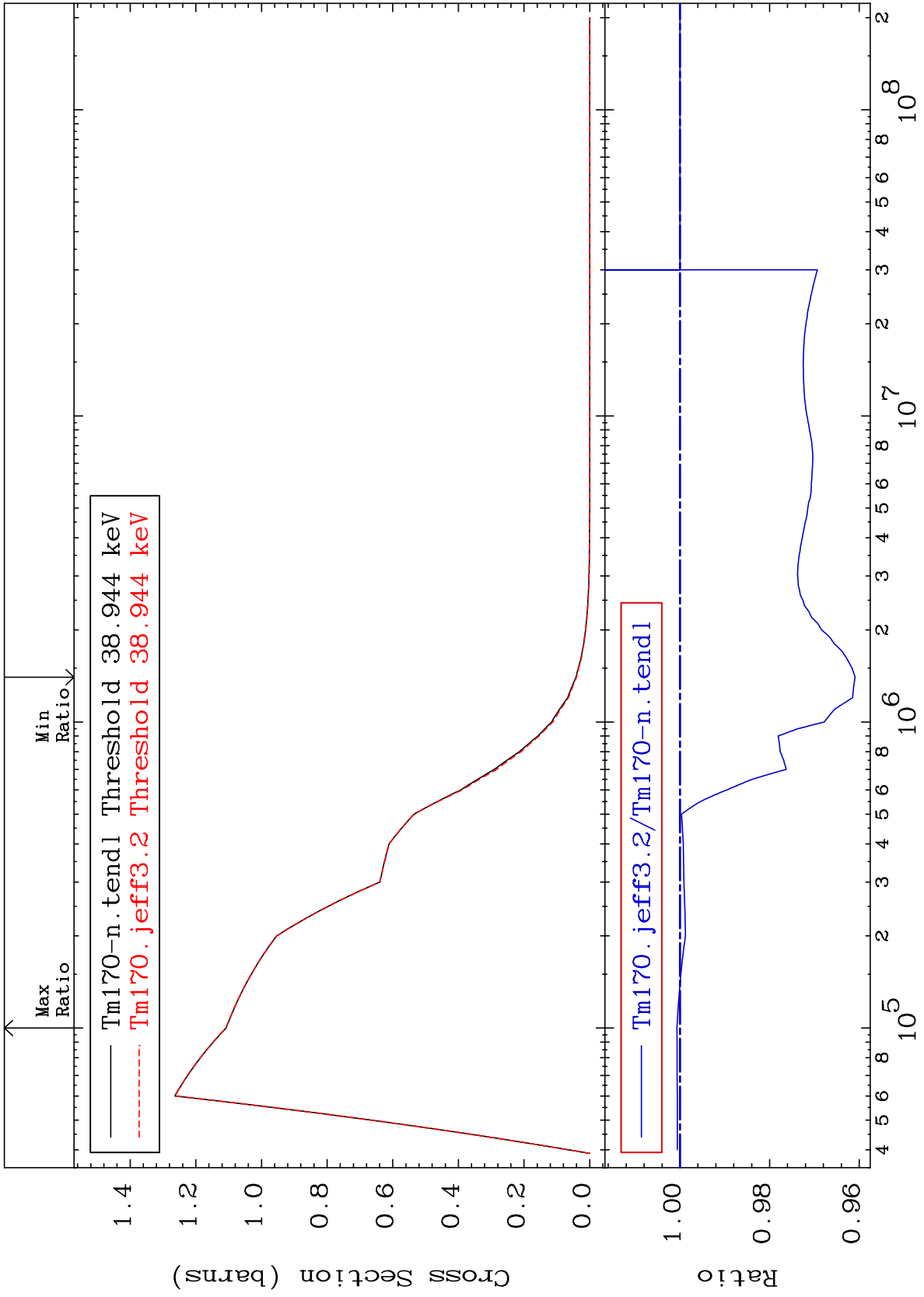
69-Tm-170
-5.063 To 2.739 %



MAT 6928

38.71 keV (n,n') Level
Cross Section

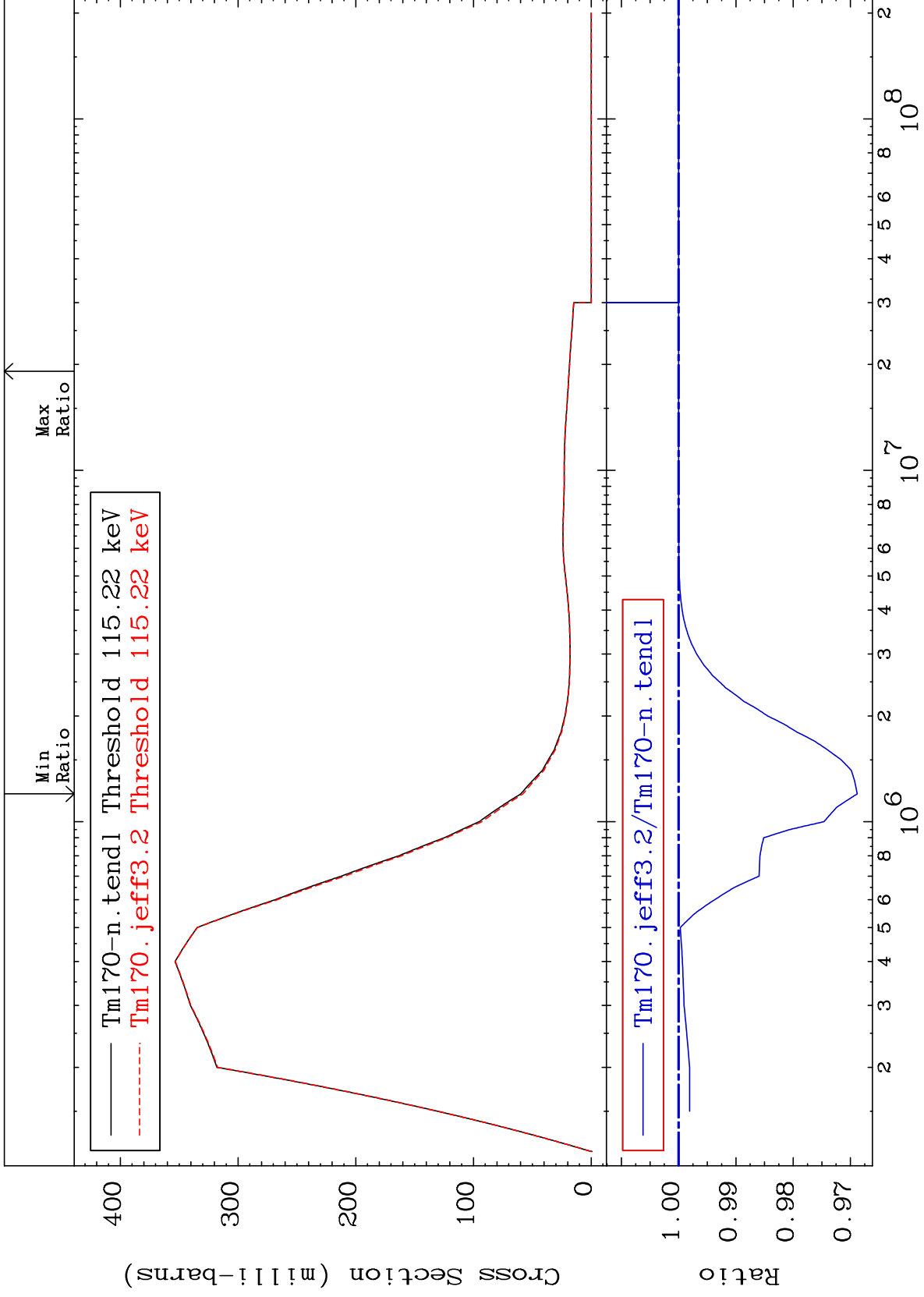
69-Tm-170
-3.908 To 0.069 %



MAT 6928

114.5 keV (n,n') Level
Cross Section

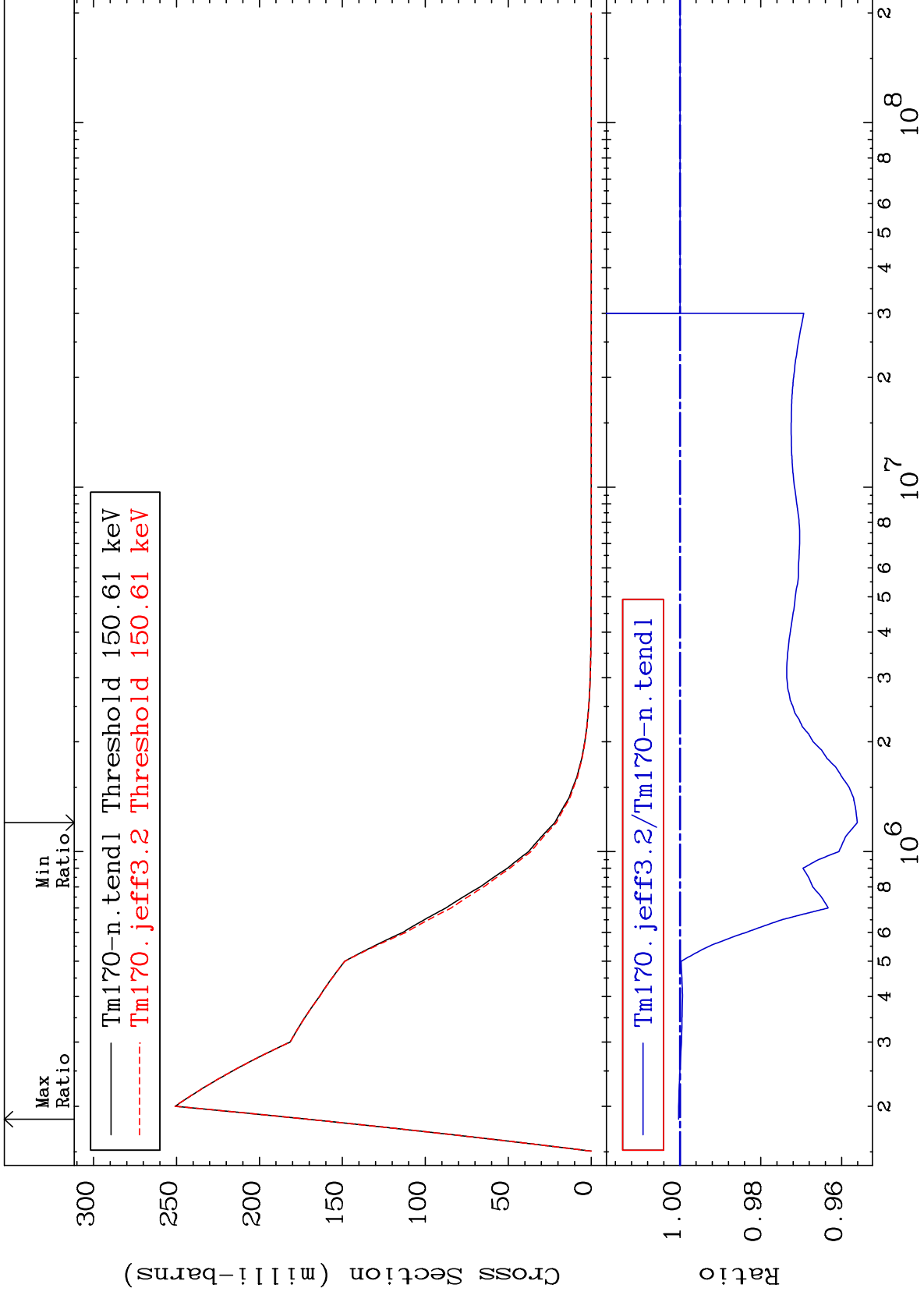
69-Tm-170
-3.119 To 0.000 %



MAT 6928

149.7 keV (n,n') Level
Cross Section

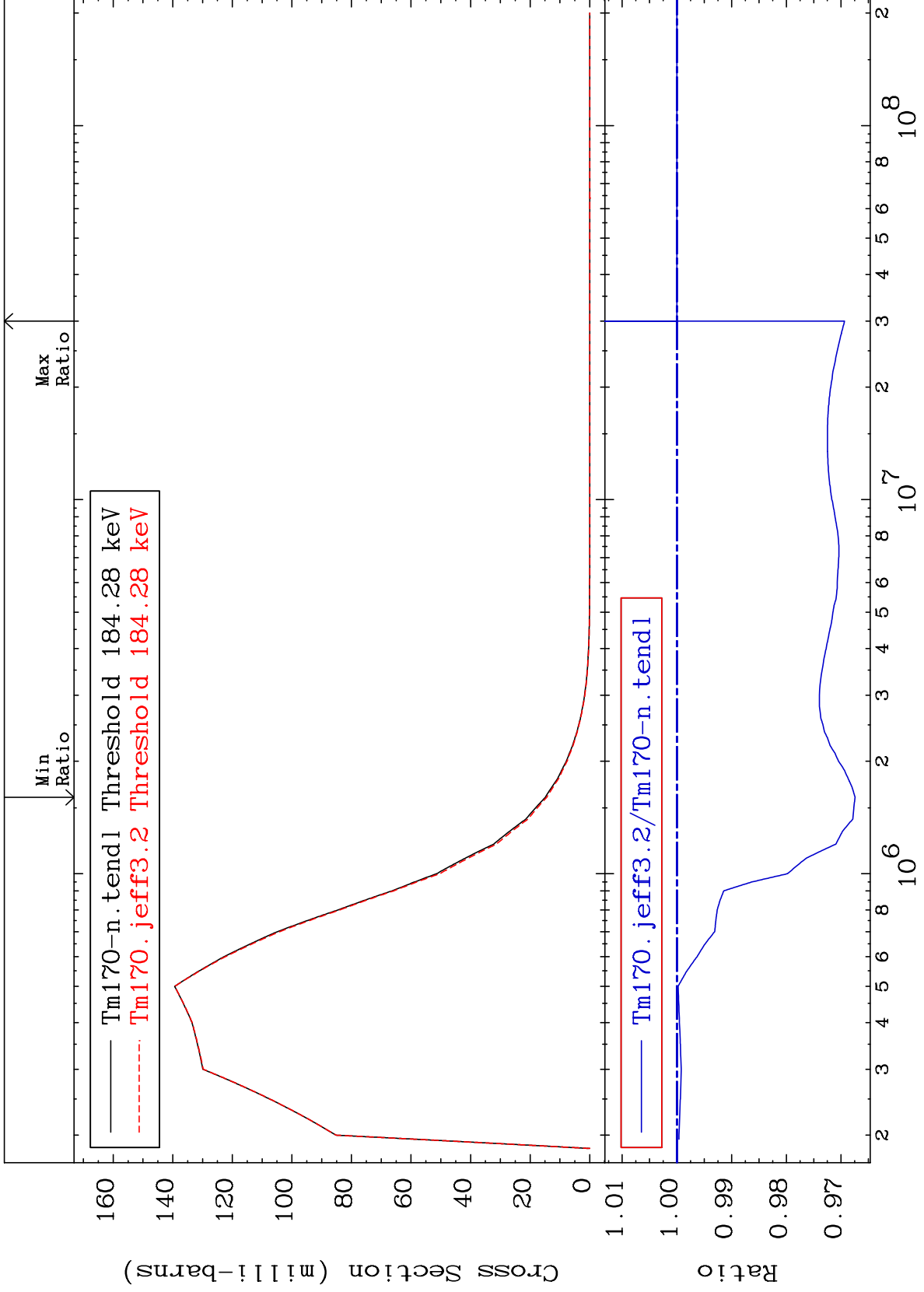
69-Tm-170
-4.388 To 0.033 %



MAT 6928

183.2 keV (n,n') Level
Cross Section

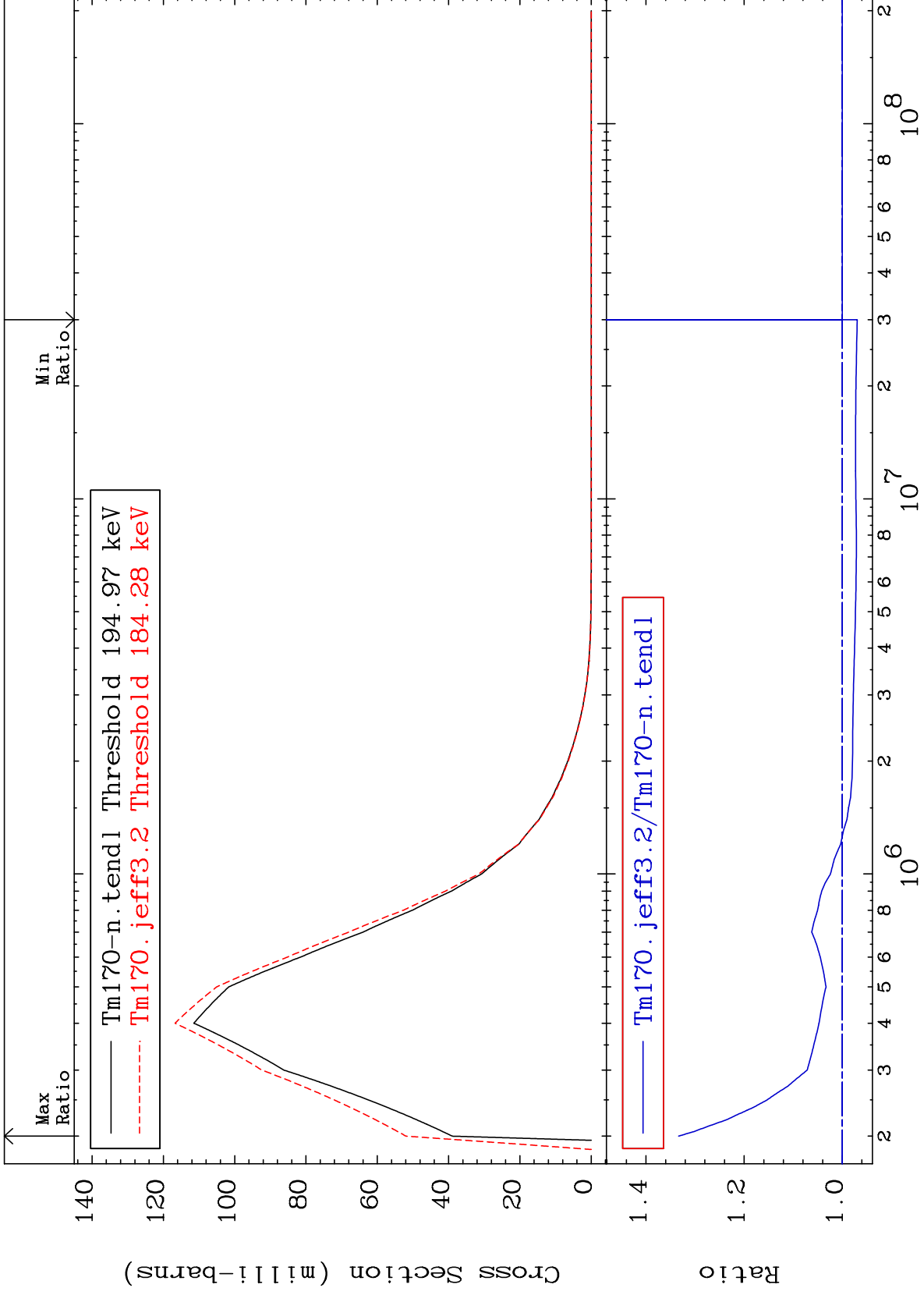
69-Tm-170
-3.256 To 0.000 %



MAT 6928

193.8 keV (n,n') Level
Cross Section

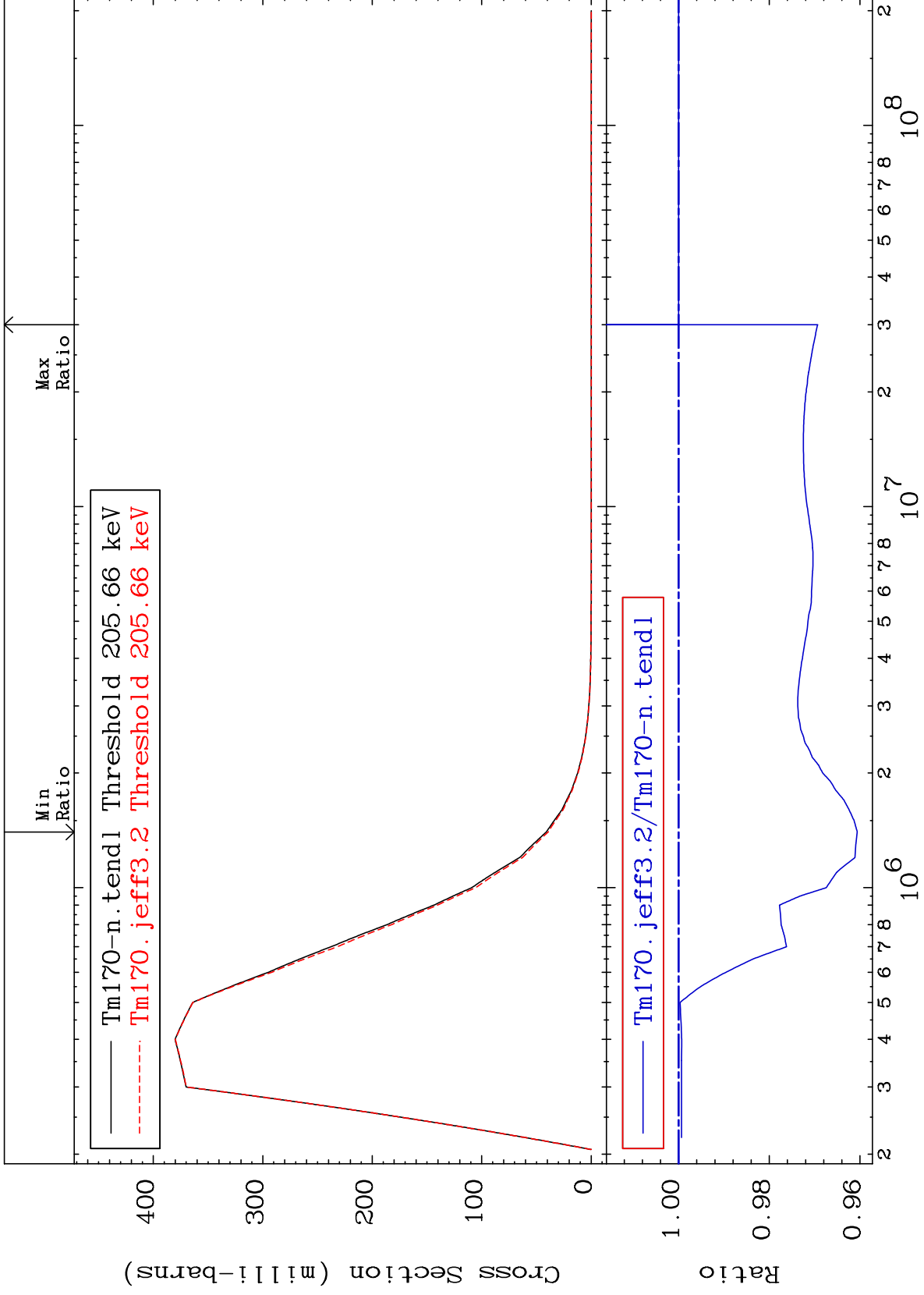
69-Tm-170
-3.050 To 33.35 %



MAT 6928

204.4 keV (n,n') Level
Cross Section

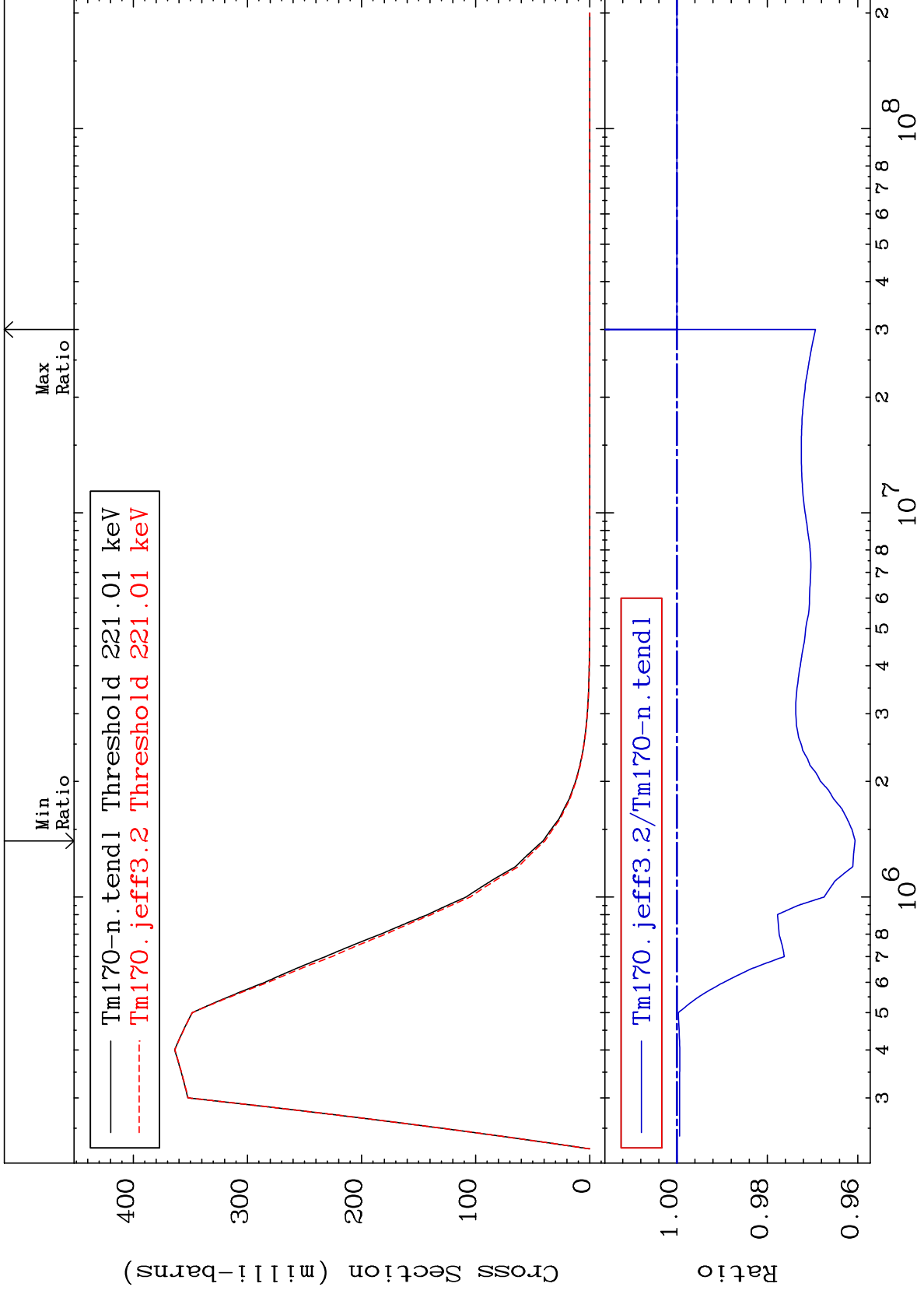
69-Tm-170
-3.940 To 0.000 %



MAT 6928

219.7 keV (n,n') Level
Cross Section

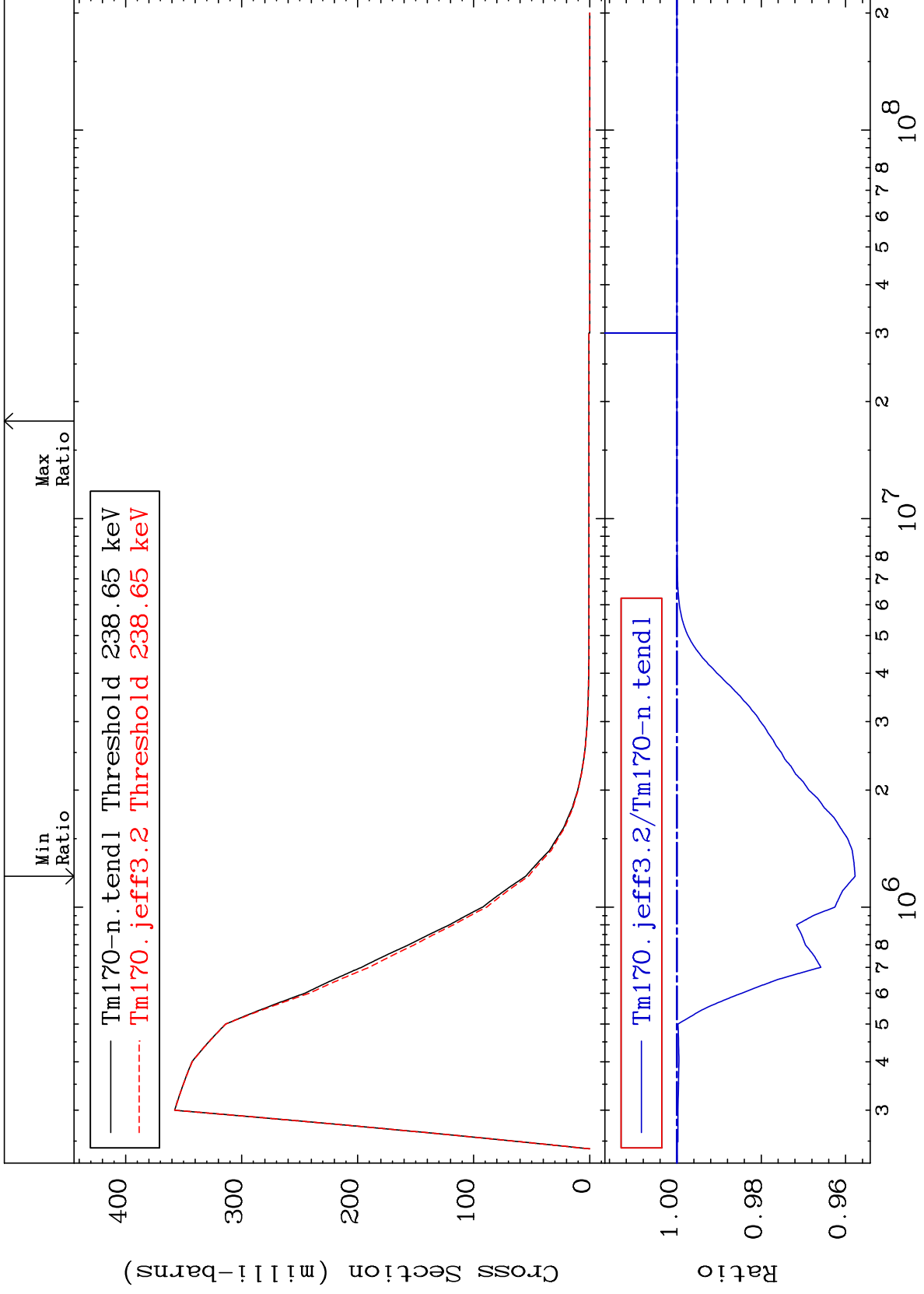
69-Tm-170
-3.942 To 0.000 %



MAT 6928

237.2 keV (n,n') Level
Cross Section

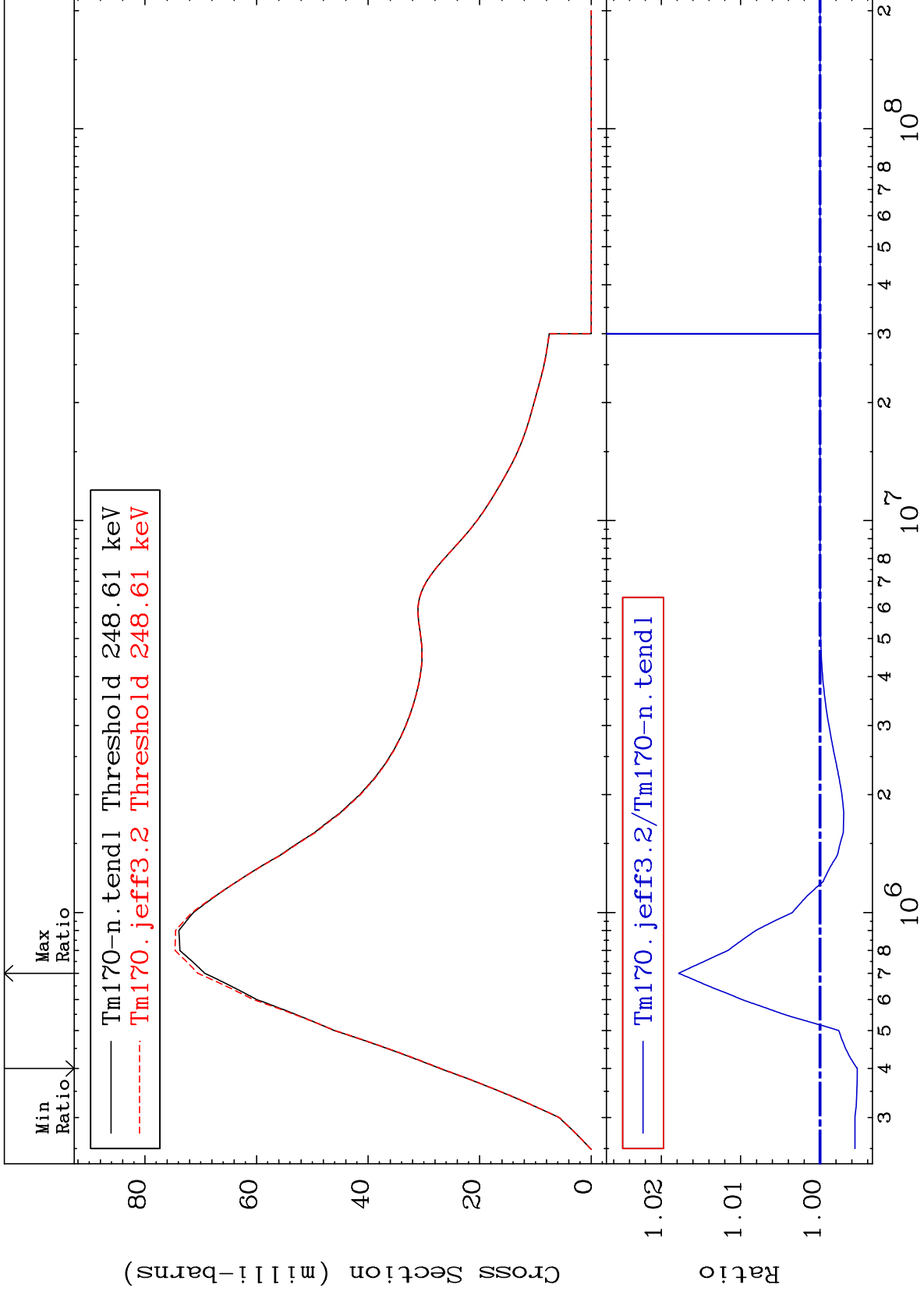
69-Tm-170
-4.225 To 0.000 %



MAT 6928

247.1 keV (n,n') Level
Cross Section

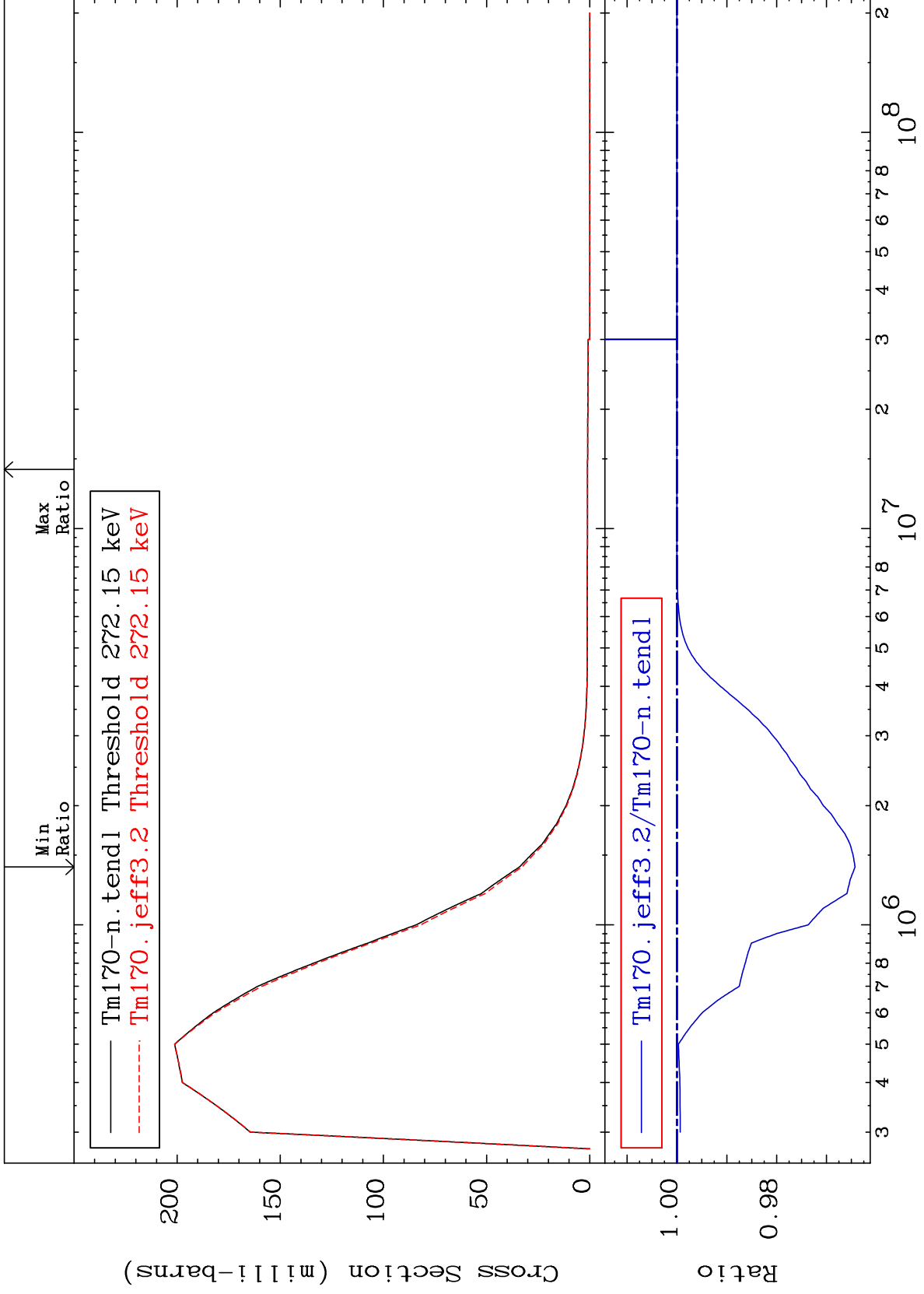
69-Tm-170
-0.468 To 1.781 %



MAT 6928

270.5 keV (n,n') Level
Cross Section

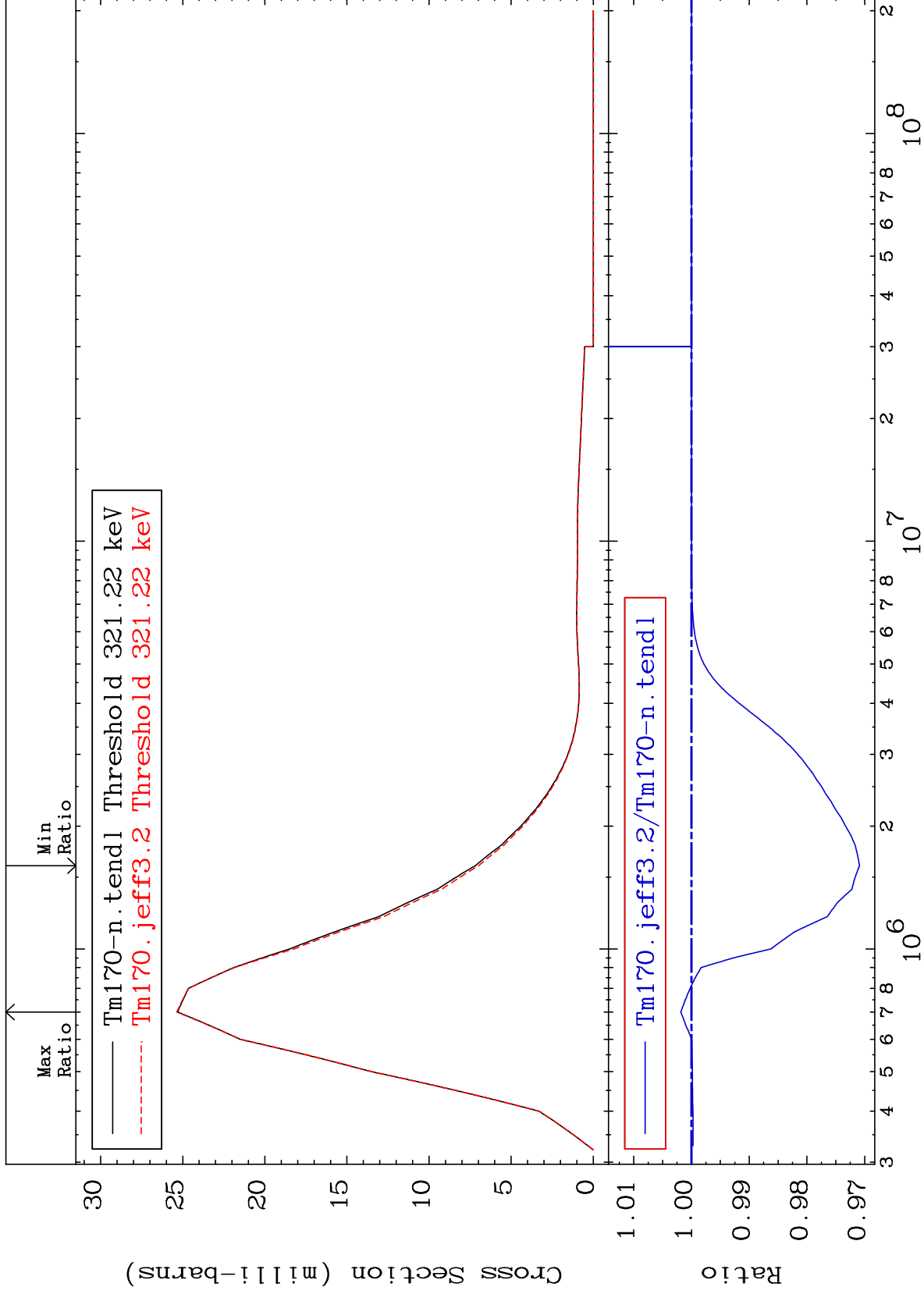
69-Tm-170
-3.574 To 0.000 %



MAT 6928

319.3 keV (n,n') Level
Cross Section

69-Tm-170
-2.911 To 0.186 %

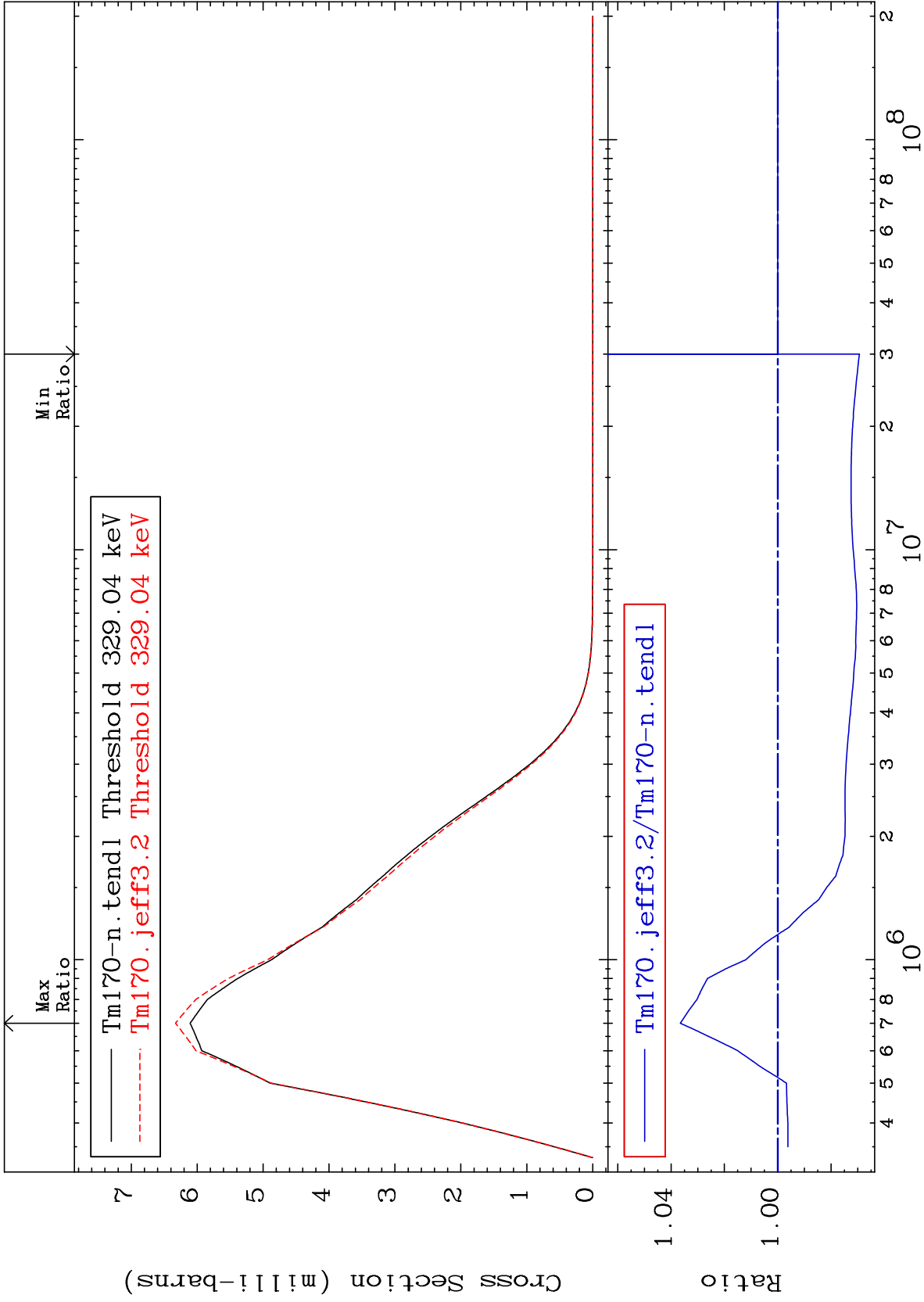


30

Incident Energy (eV)

69-Tm-170

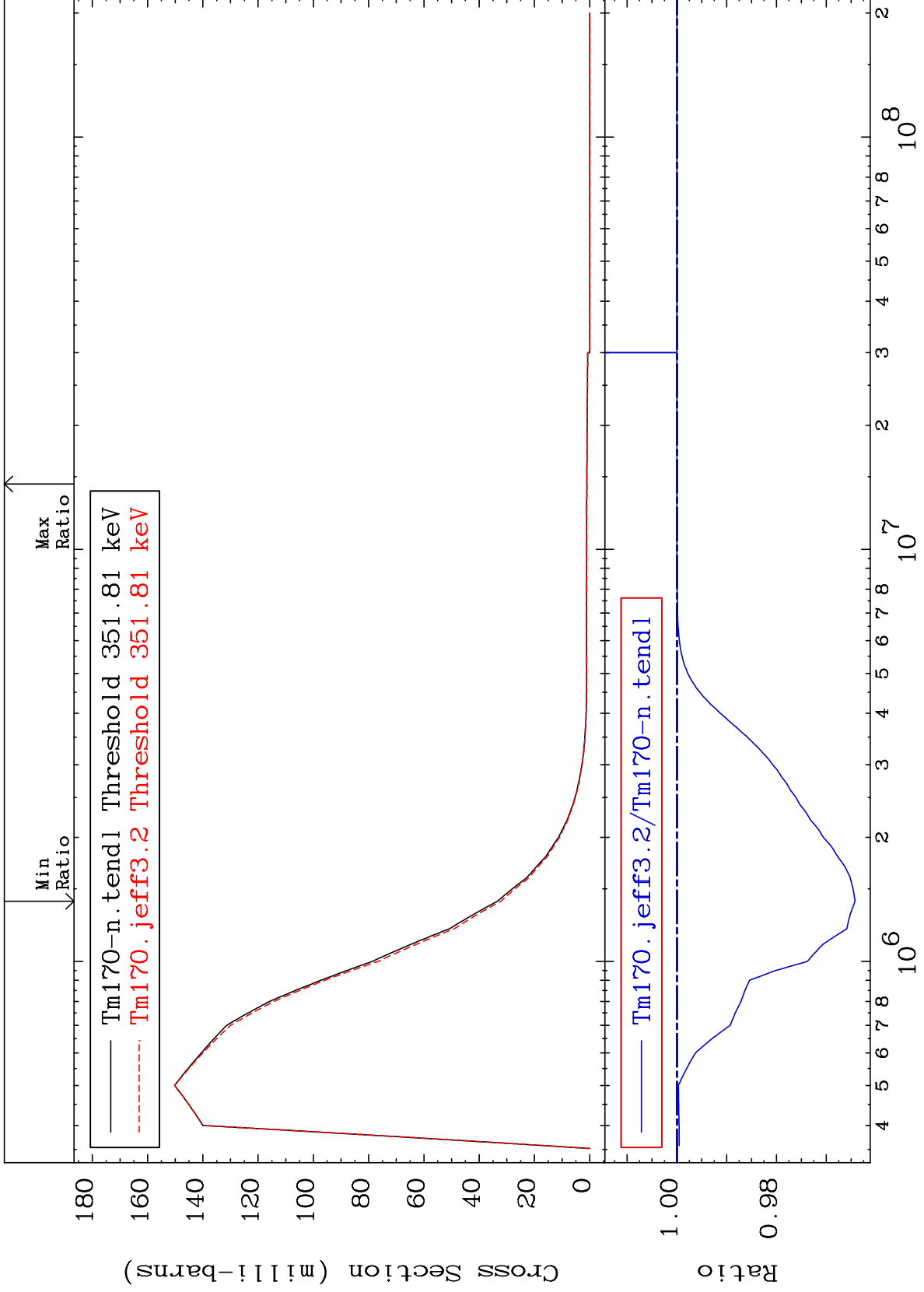
MAT 6928 327.1 keV (n,n') Level 69-Tm-170
 Cross Section -3.064 To 3.652 %



MAT 6928

349.7 keV (n,n') Level
Cross Section

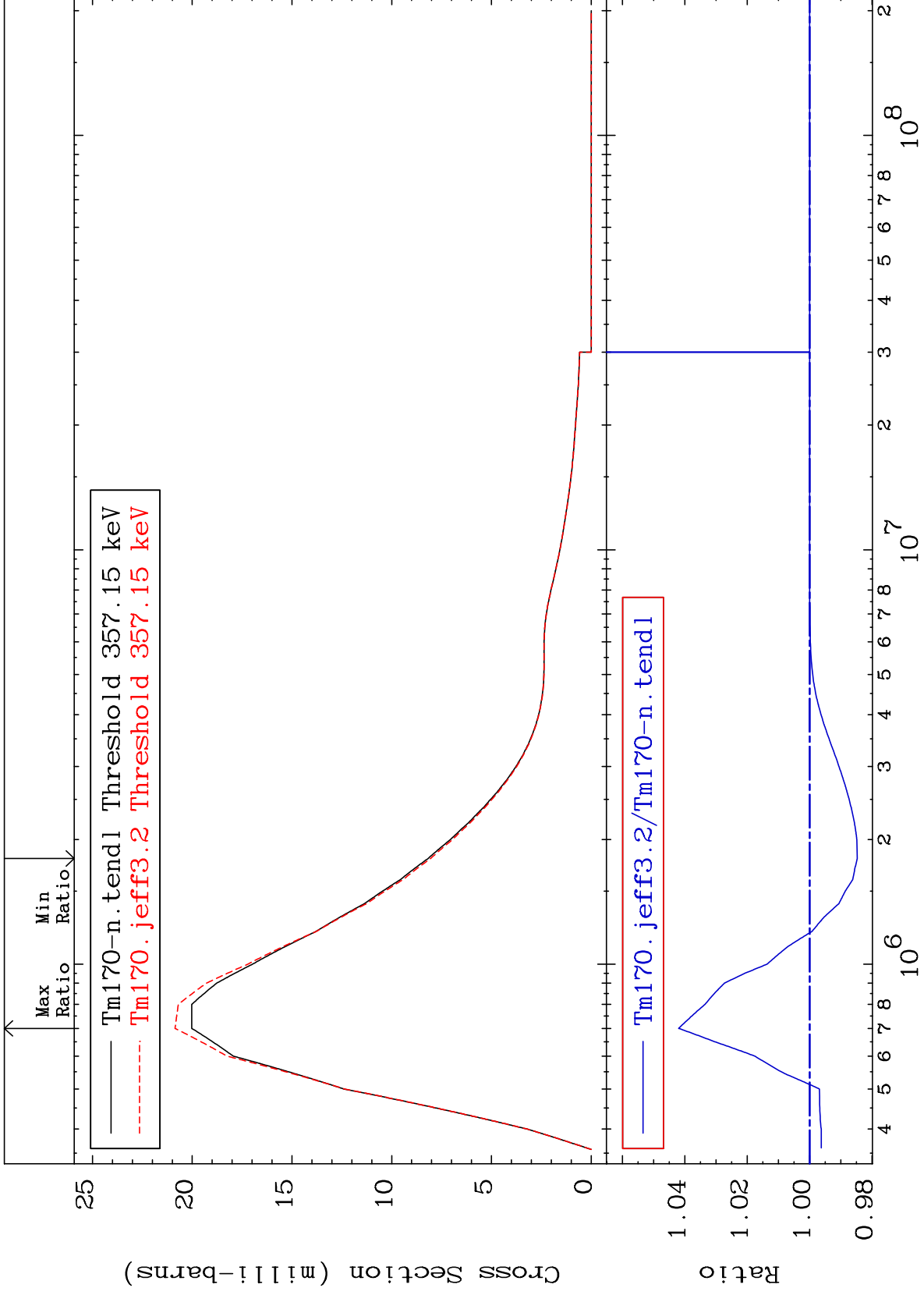
69-Tm-170
-3.580 To 0.000 %



MAT 6928

355.0 keV (n,n') Level
Cross Section

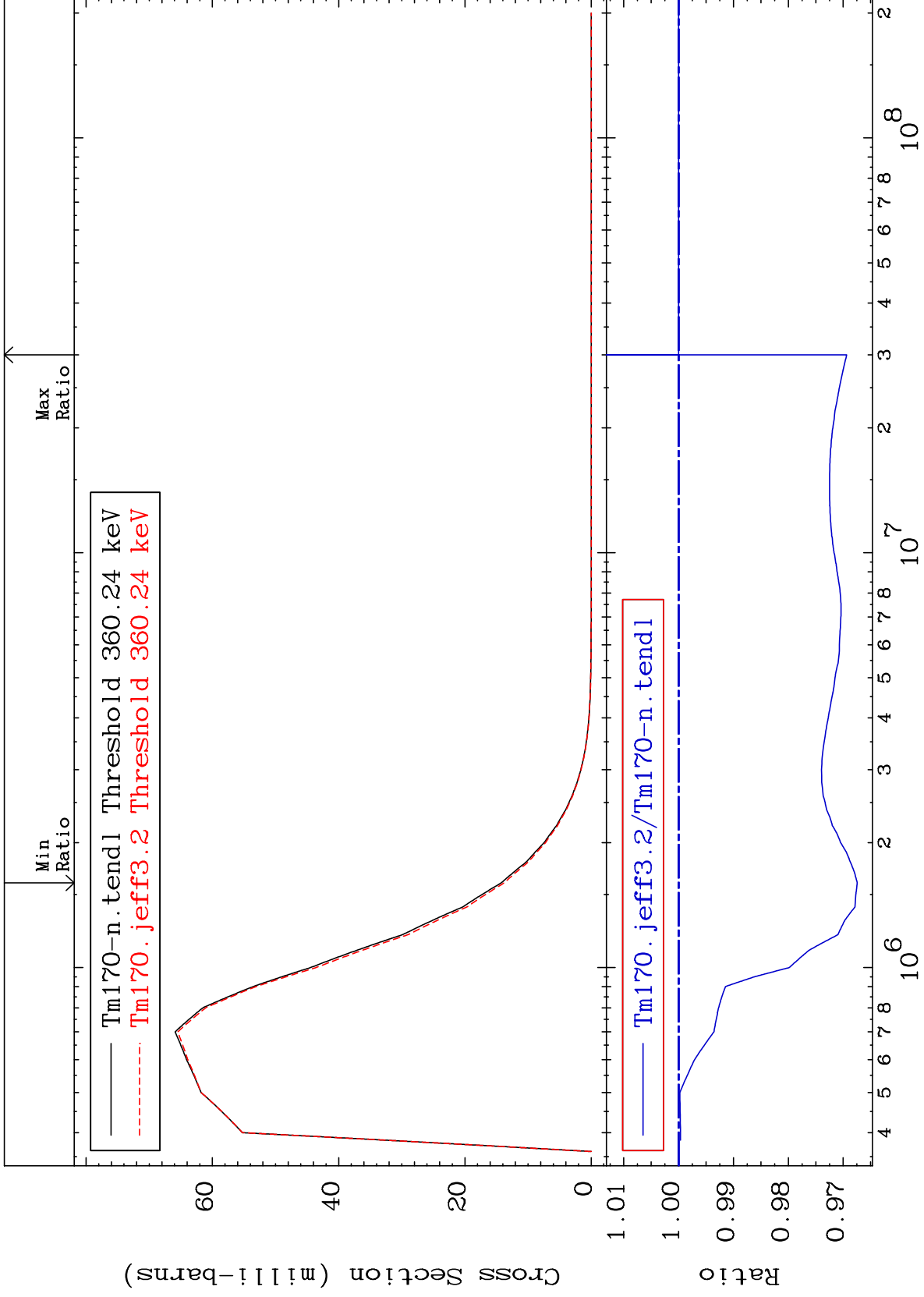
69-Tm-170
-1.526 To 4.197 %



MAT 6928

358.1 keV (n,n') Level
Cross Section

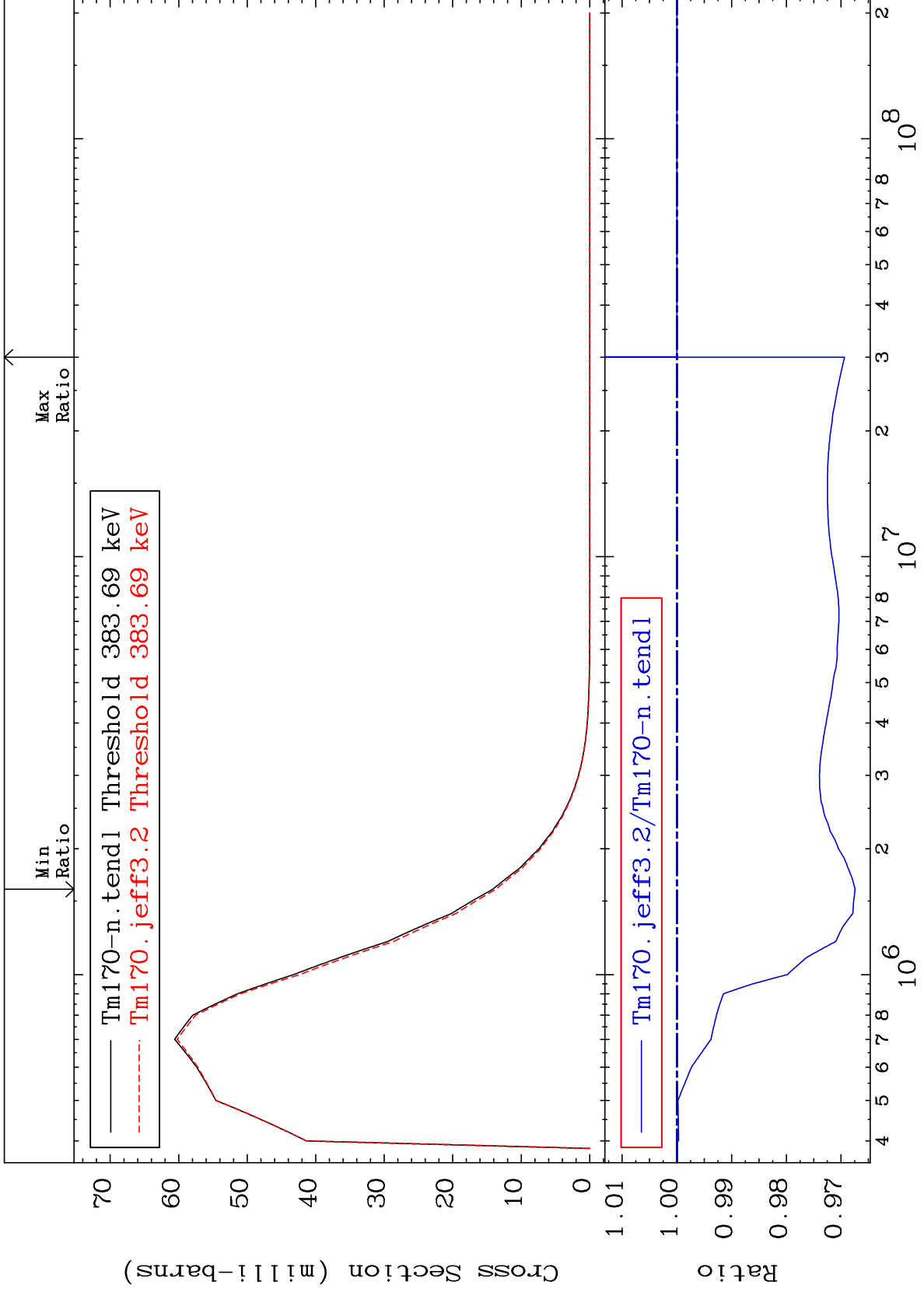
69-Tm-170
-3.256 To 0.000 %



MAT 6928

381.4 keV (n,n') Level
Cross Section

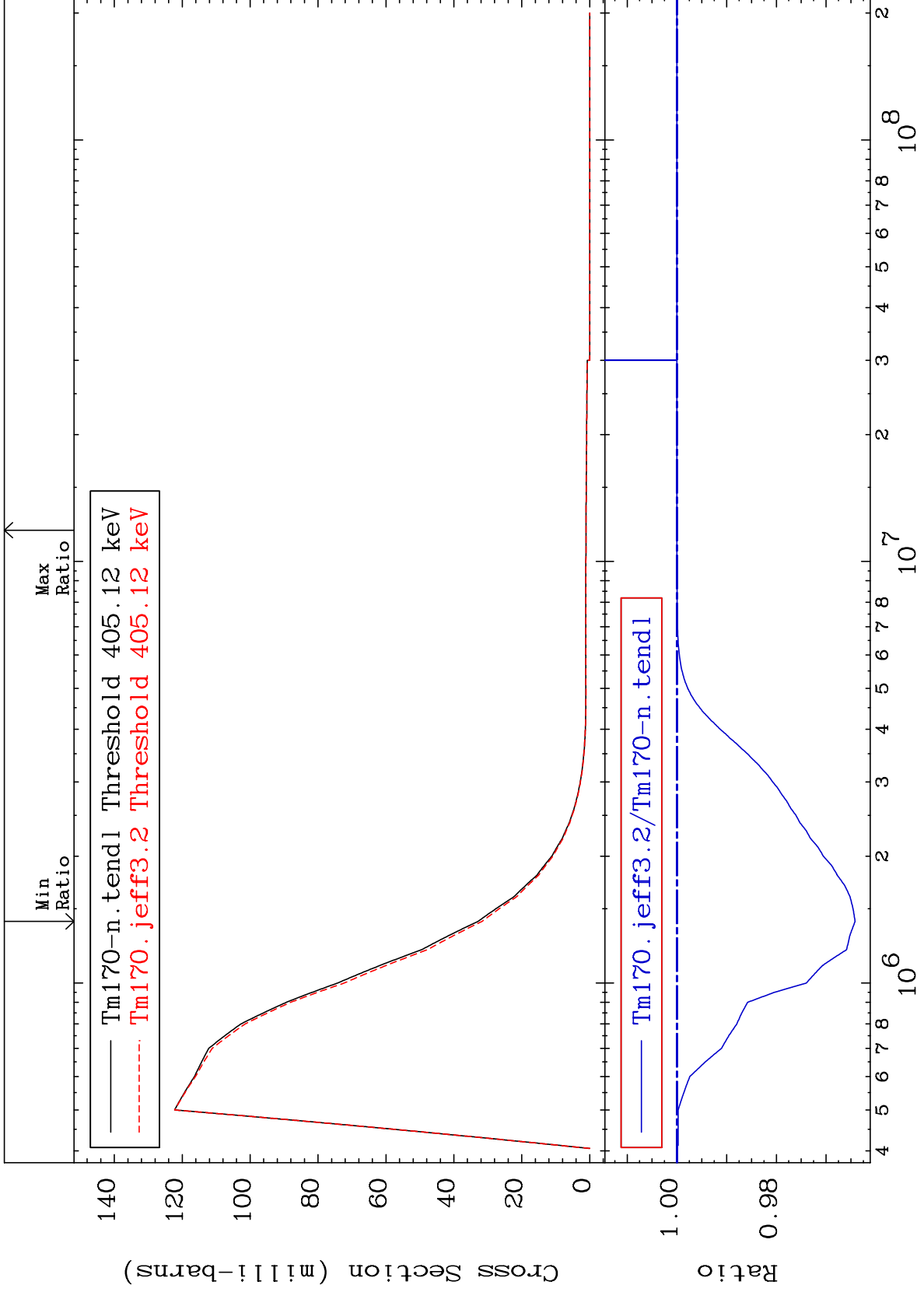
69-Tm-170
-3.256 To 0.000 %



MAT 6928

402.7 keV (n,n') Level
Cross Section

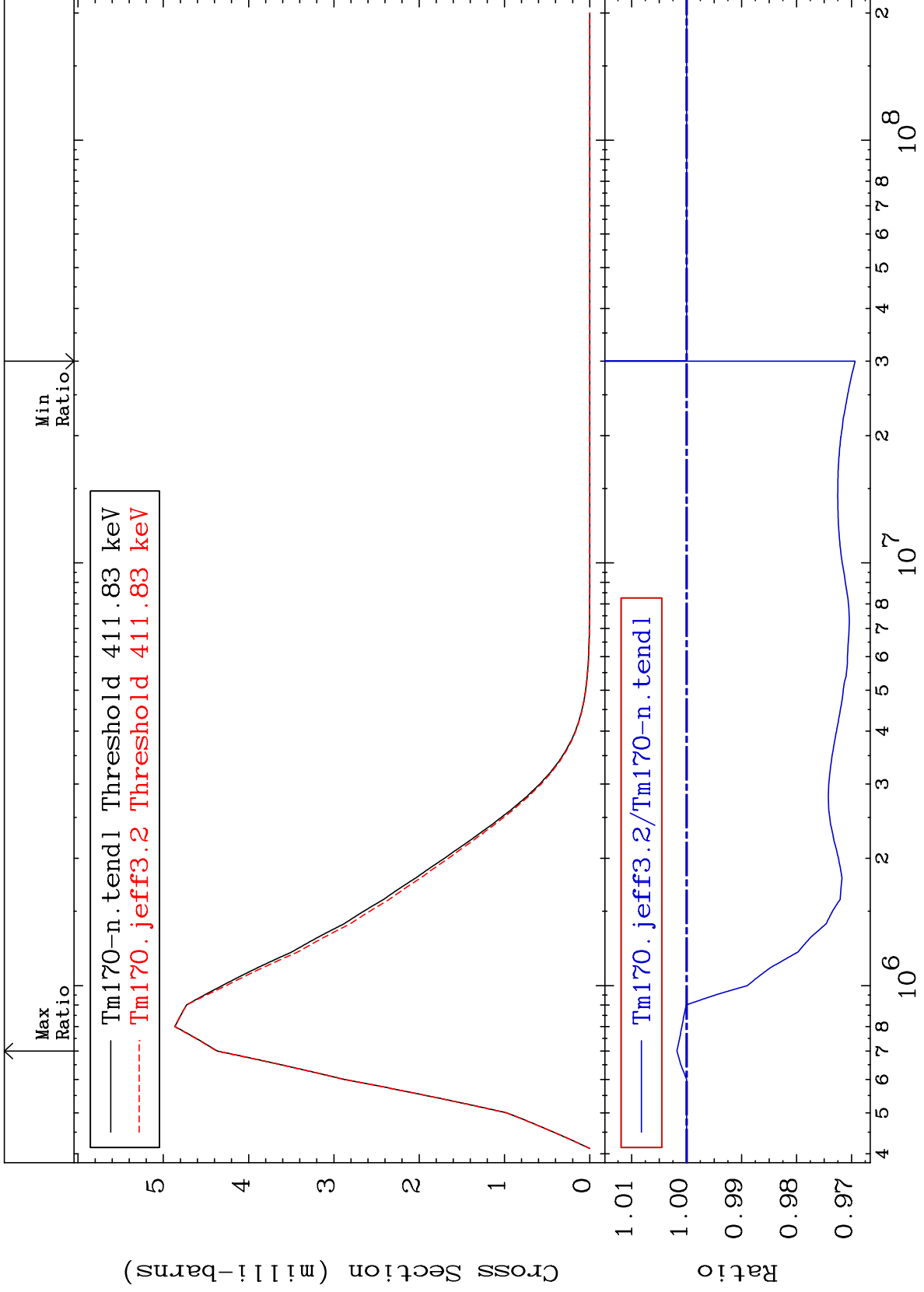
69-Tm-170
-3.584 To 0.000 %



MAT 6928

409.4 keV (n,n') Level
Cross Section

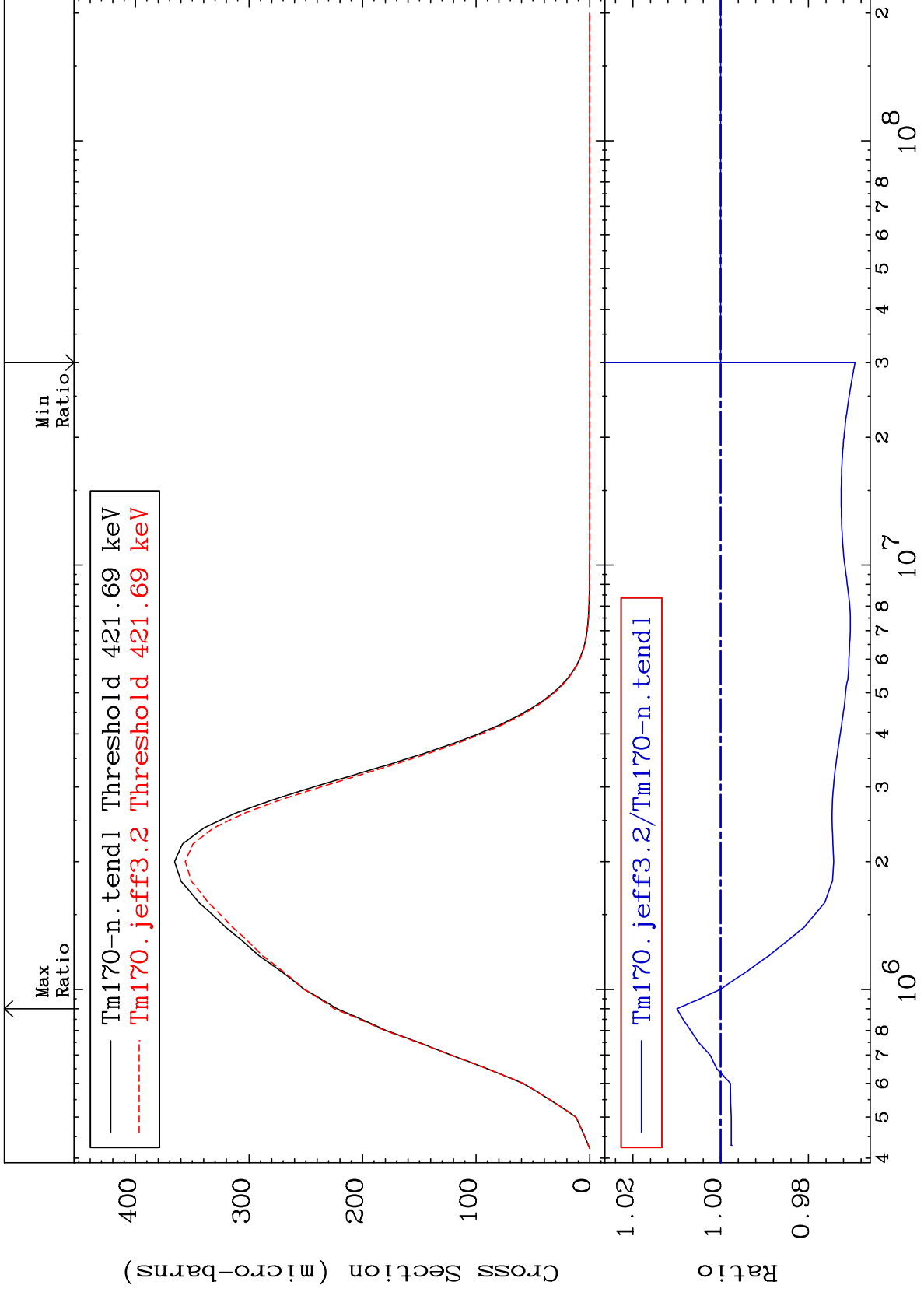
69-Tm-170
-3.063 To 0.177 %



MAT 6928

419.2 keV (n,n') Level
Cross Section

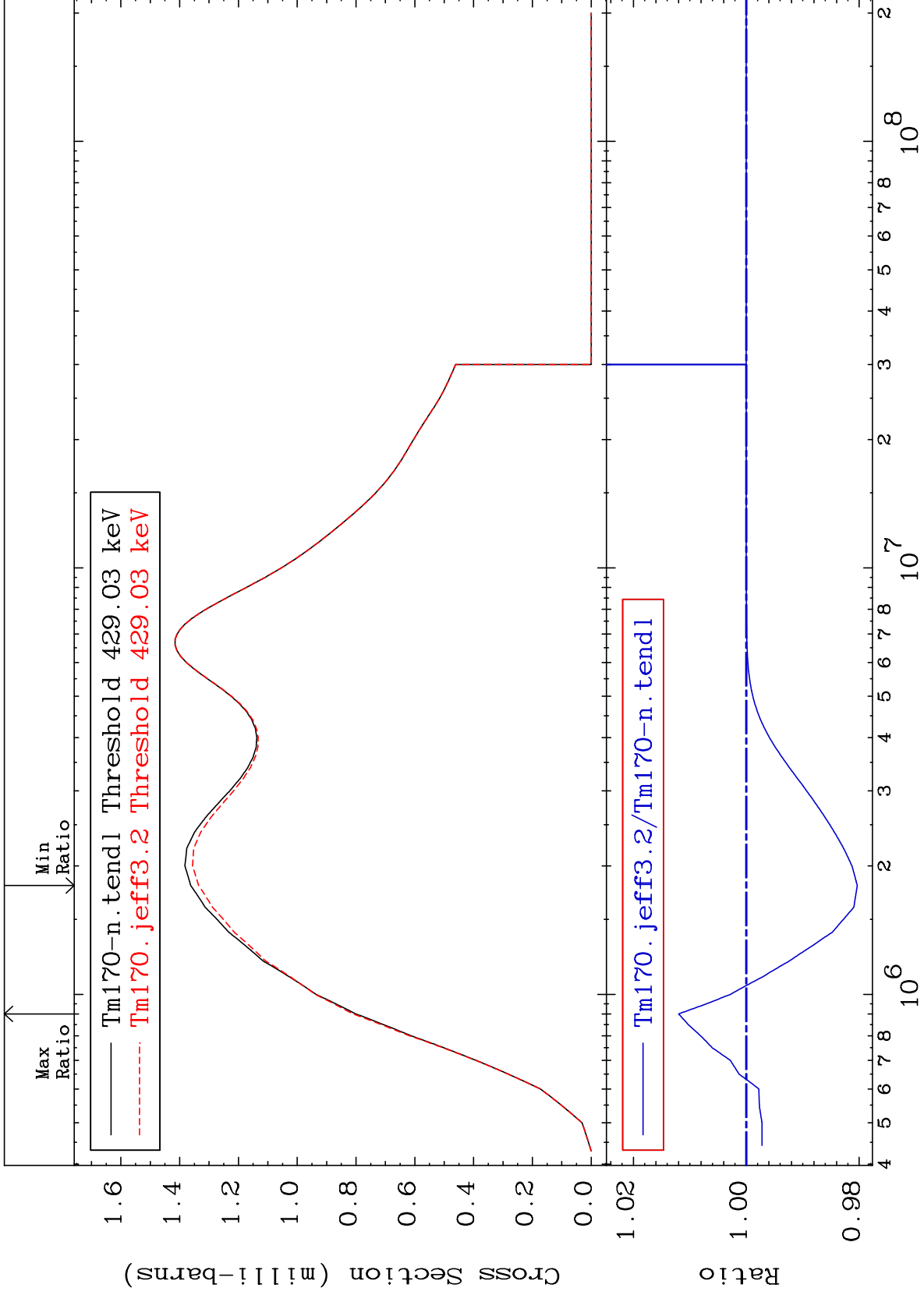
69-Tm-170
-3.063 To 0.998 %



MAT 6928

426.5 keV (n,n') Level
Cross Section

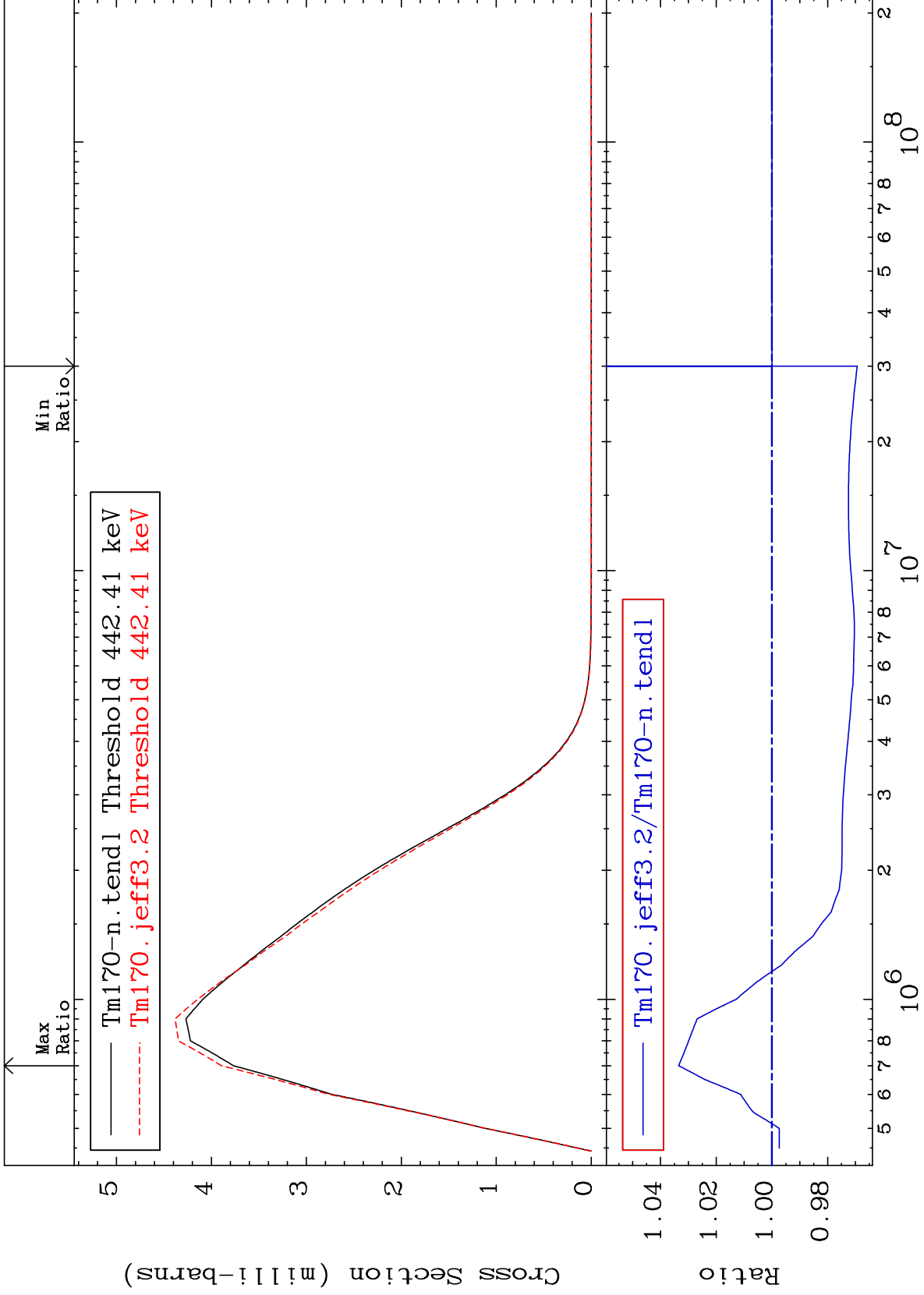
69-Tm-170
-1.966 To 1.198 %



MAT 6928

439.8 keV (n,n') Level
Cross Section

69-Tm-170
-3.064 To 3.351 %



40

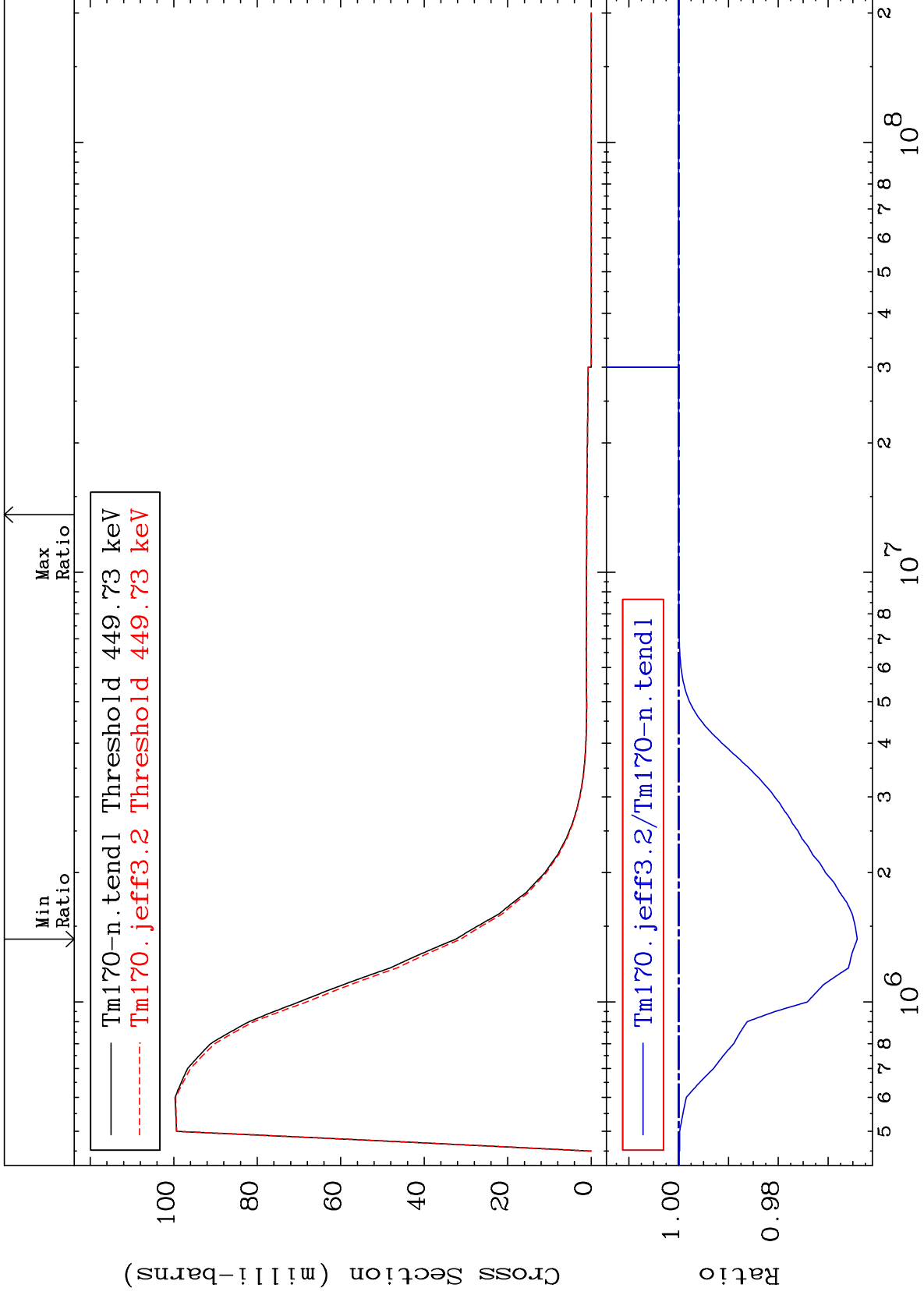
Incident Energy (eV)

69-Tm-170

MAT 6928

447.1 keV (n,n') Level
Cross Section

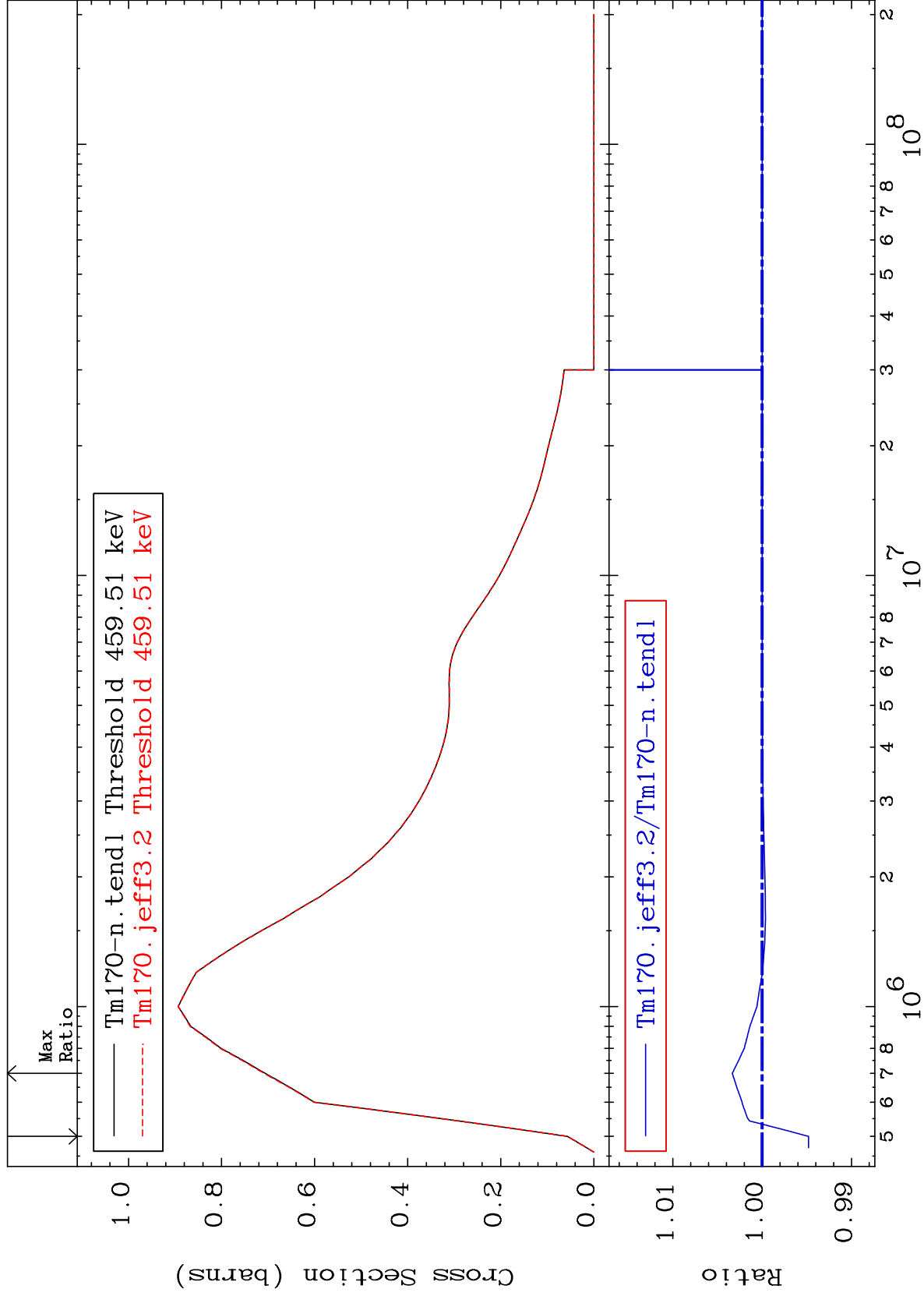
69-Tm-170
-3.586 To 0.000 %



MAT 6928

456.8 keV (n,n') Level
Cross Section

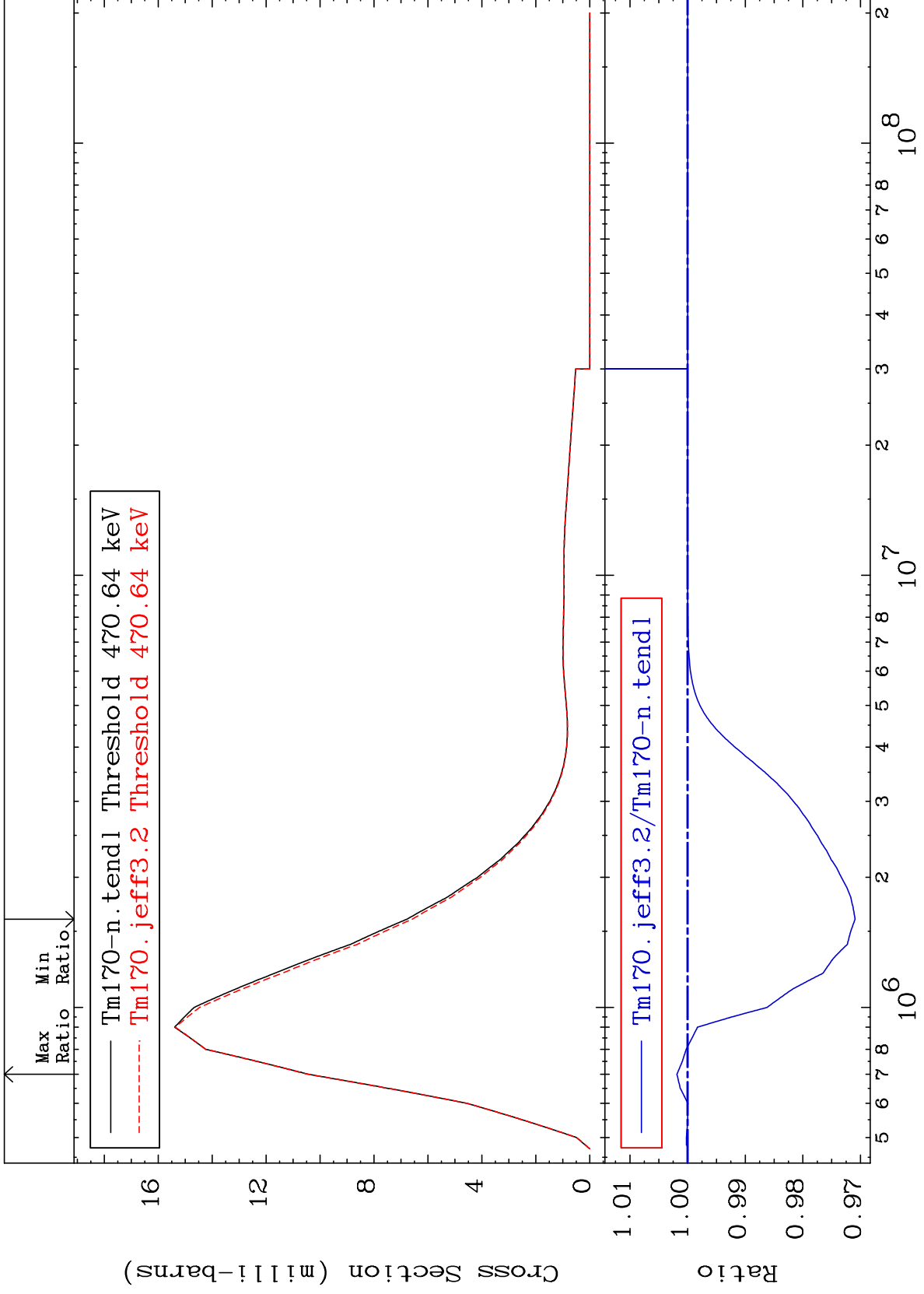
69-Tm-170
-0.520 To 0.334 %



MAT 6928

467.9 keV (n,n') Level
Cross Section

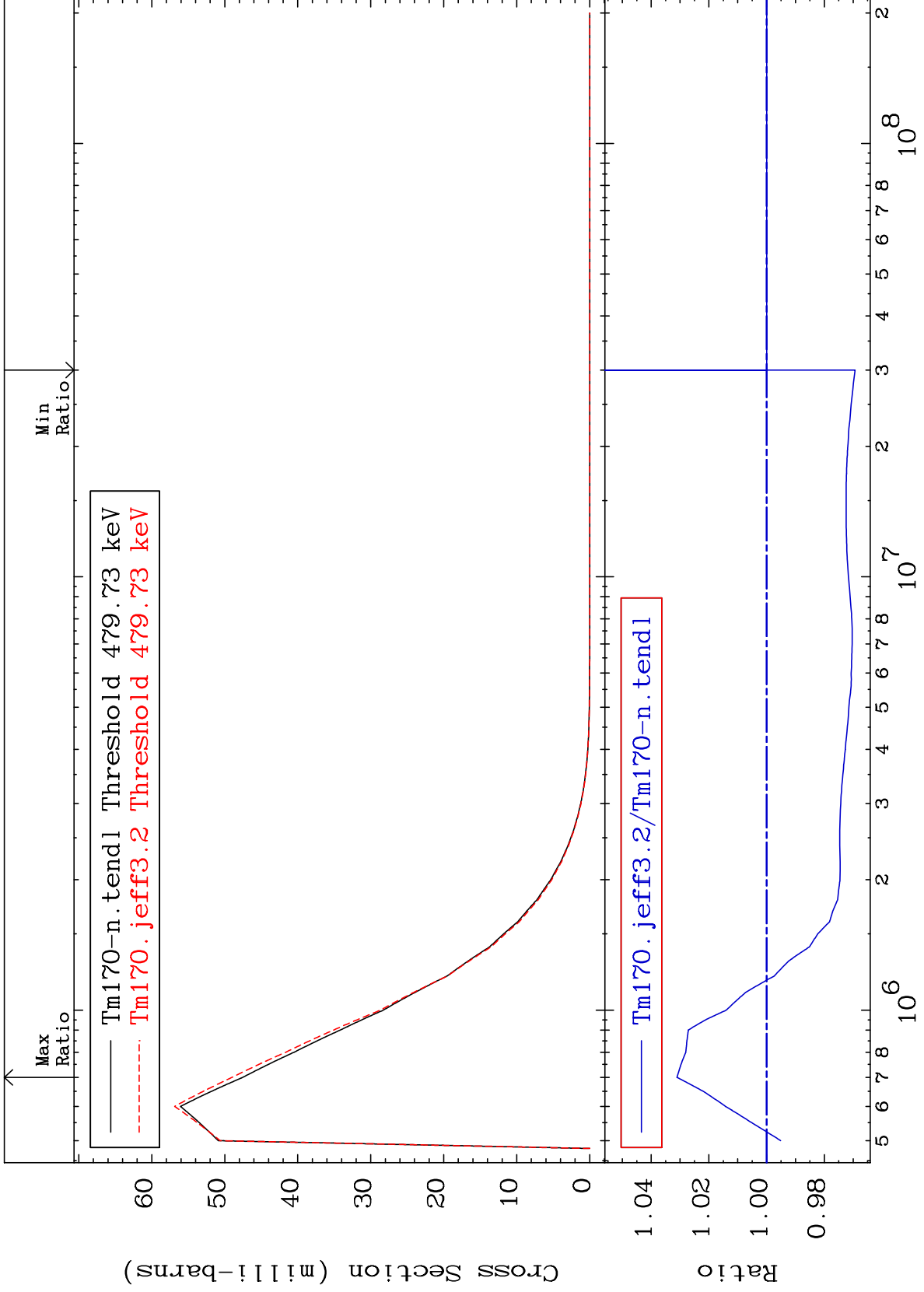
69-Tm-170
-2.905 To 0.185 %



MAT 6928

476.9 keV (n,n') Level
Cross Section

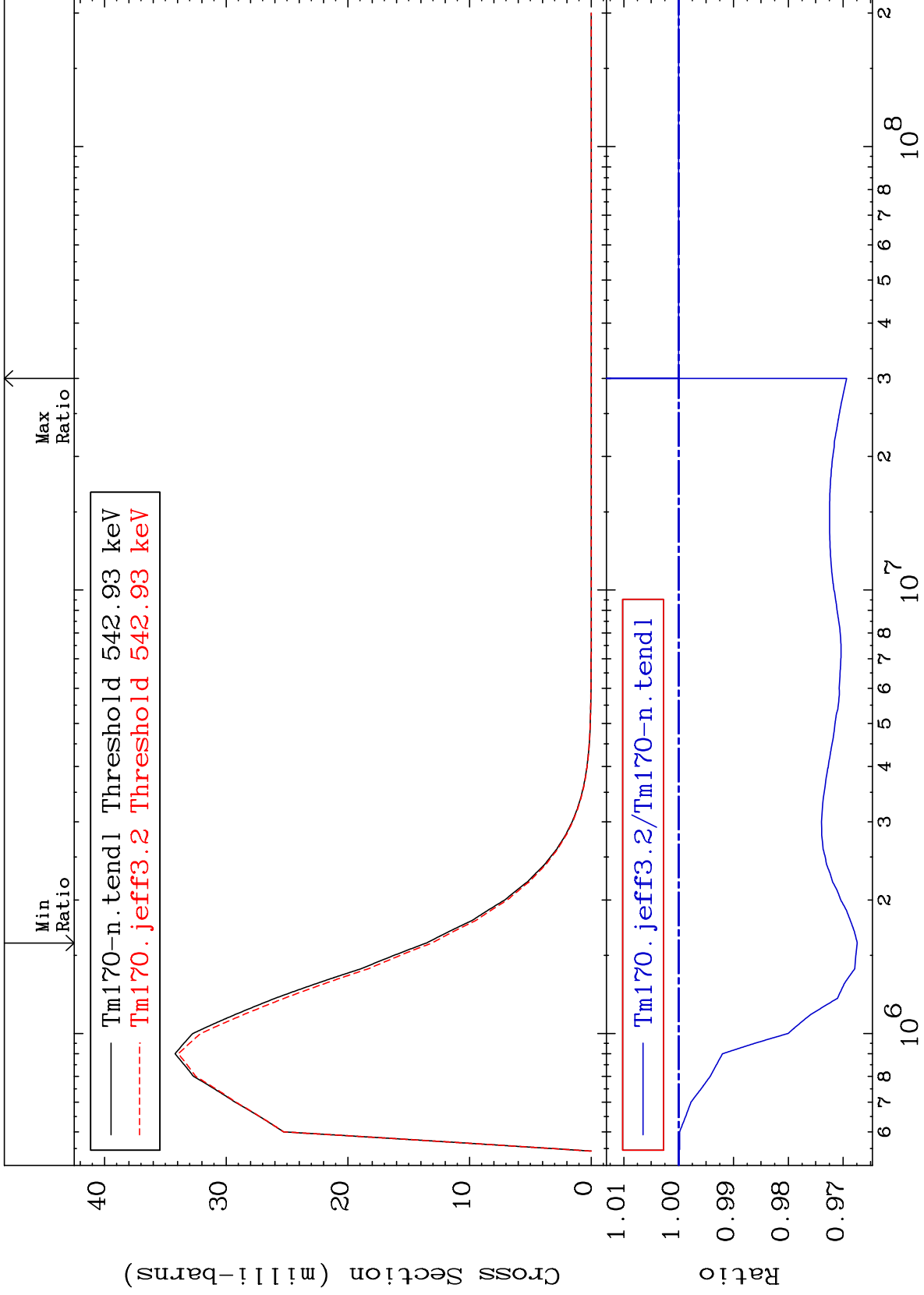
69-Tm-170
-3.066 To 3.108 %



MAT 6928

539.7 keV (n,n') Level
Cross Section

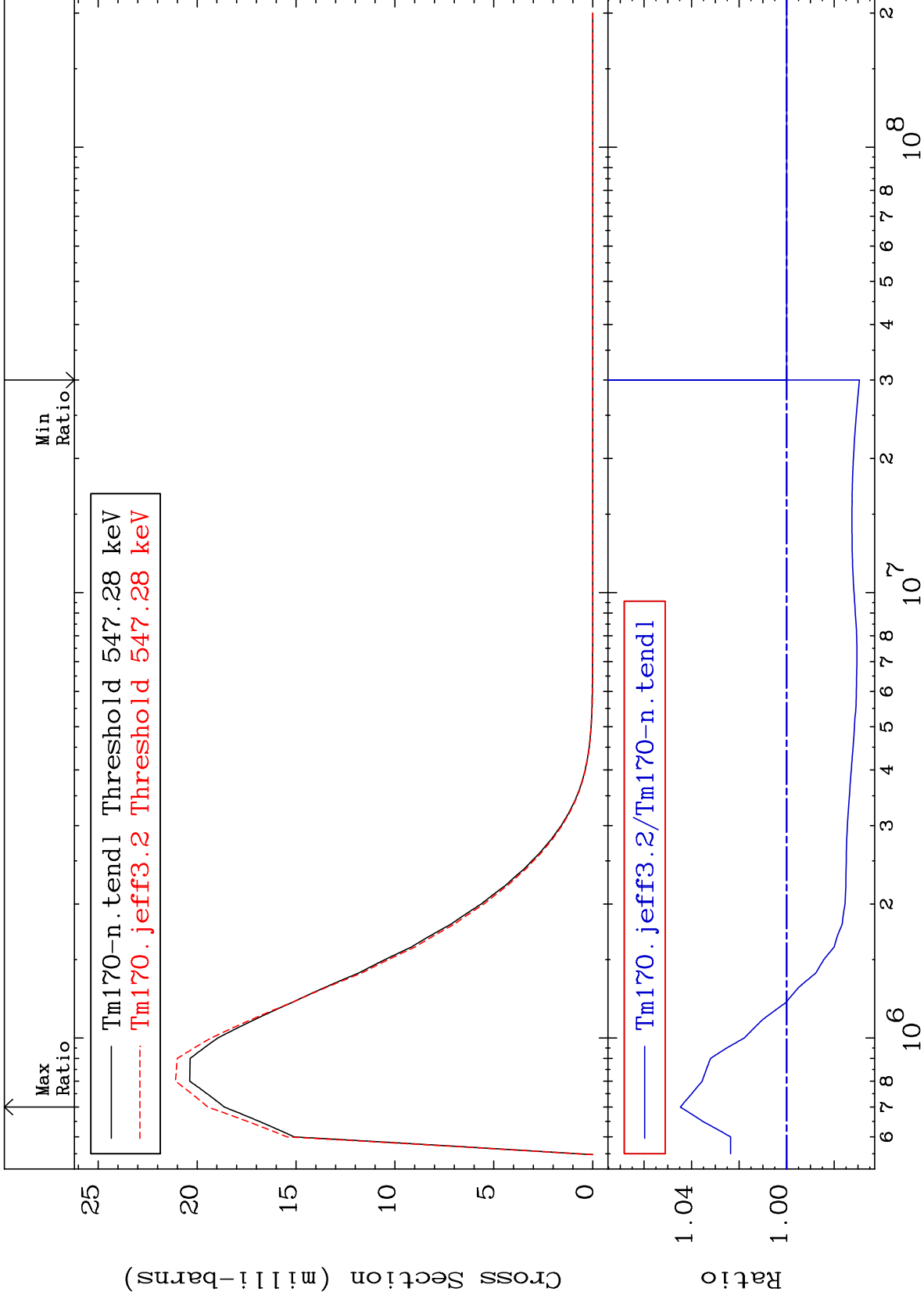
69-Tm-170
-3.257 To 0.000 %



MAT 6928

544.1 keV (n,n') Level
Cross Section

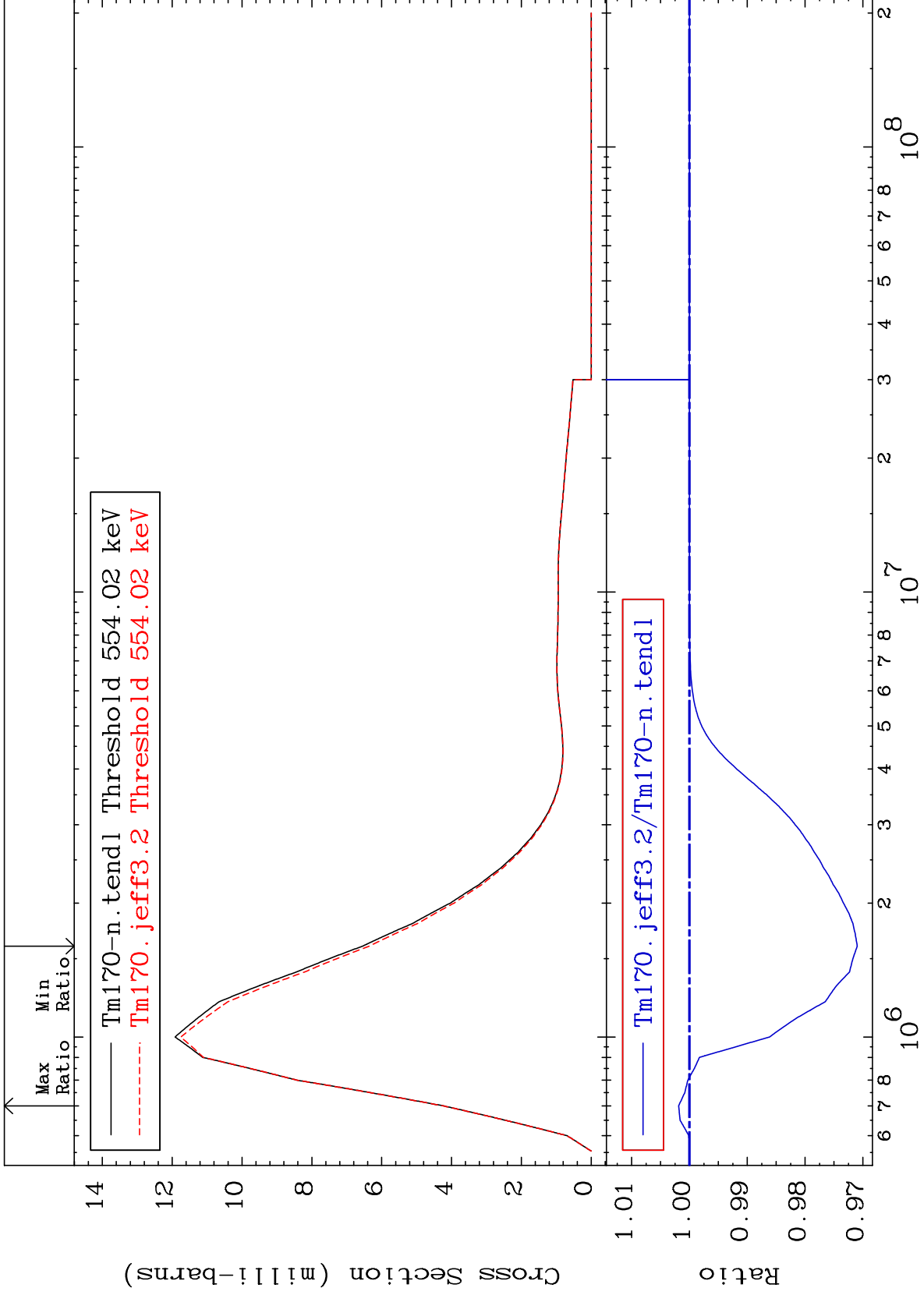
69-Tm-170
-3.065 To 4.474 %



MAT 6928

550.7 keV (n,n') Level
Cross Section

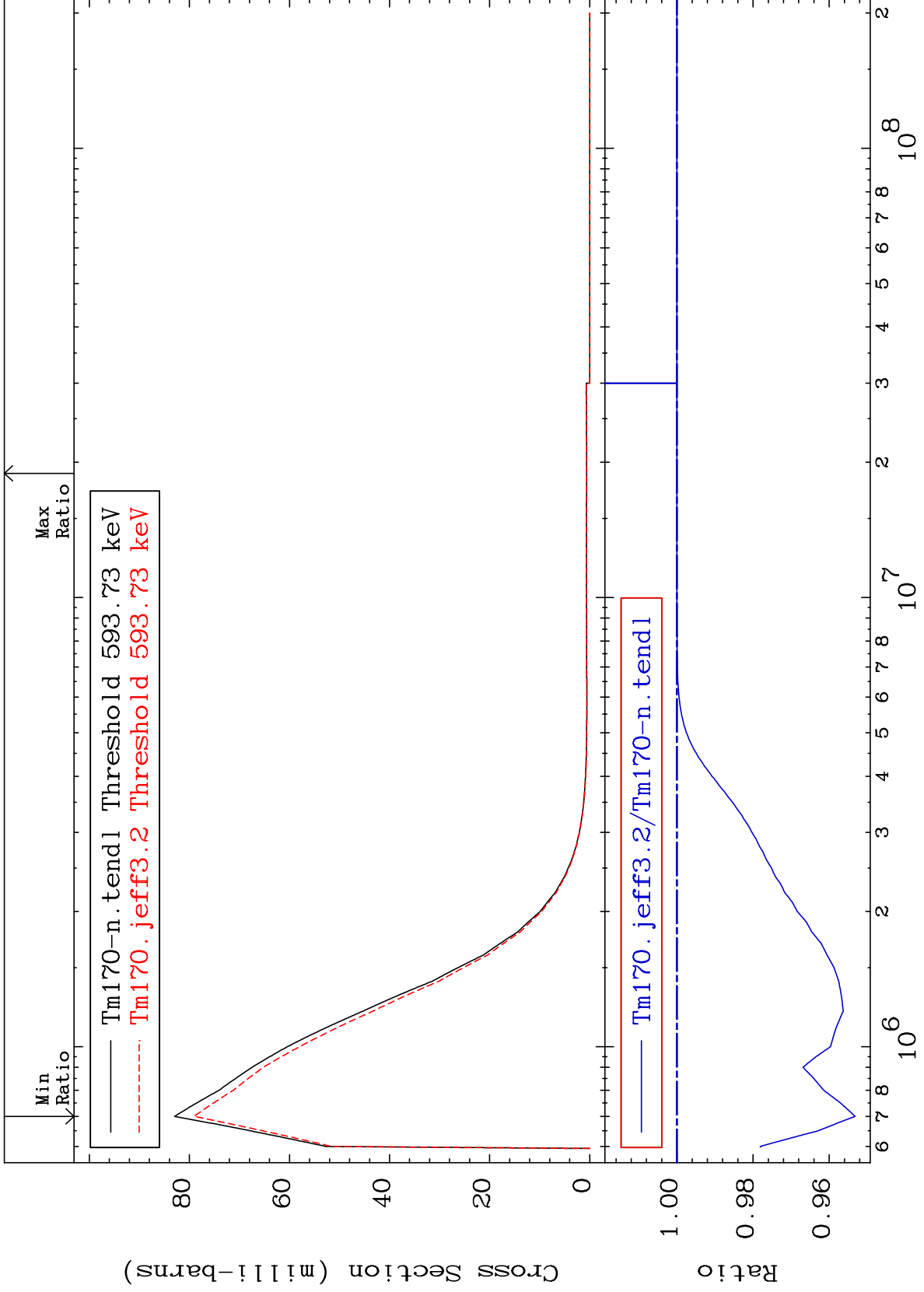
69-Tm-170
-2.902 To 0.187 %



MAT 6928

590.2 keV (n,n') Level
Cross Section

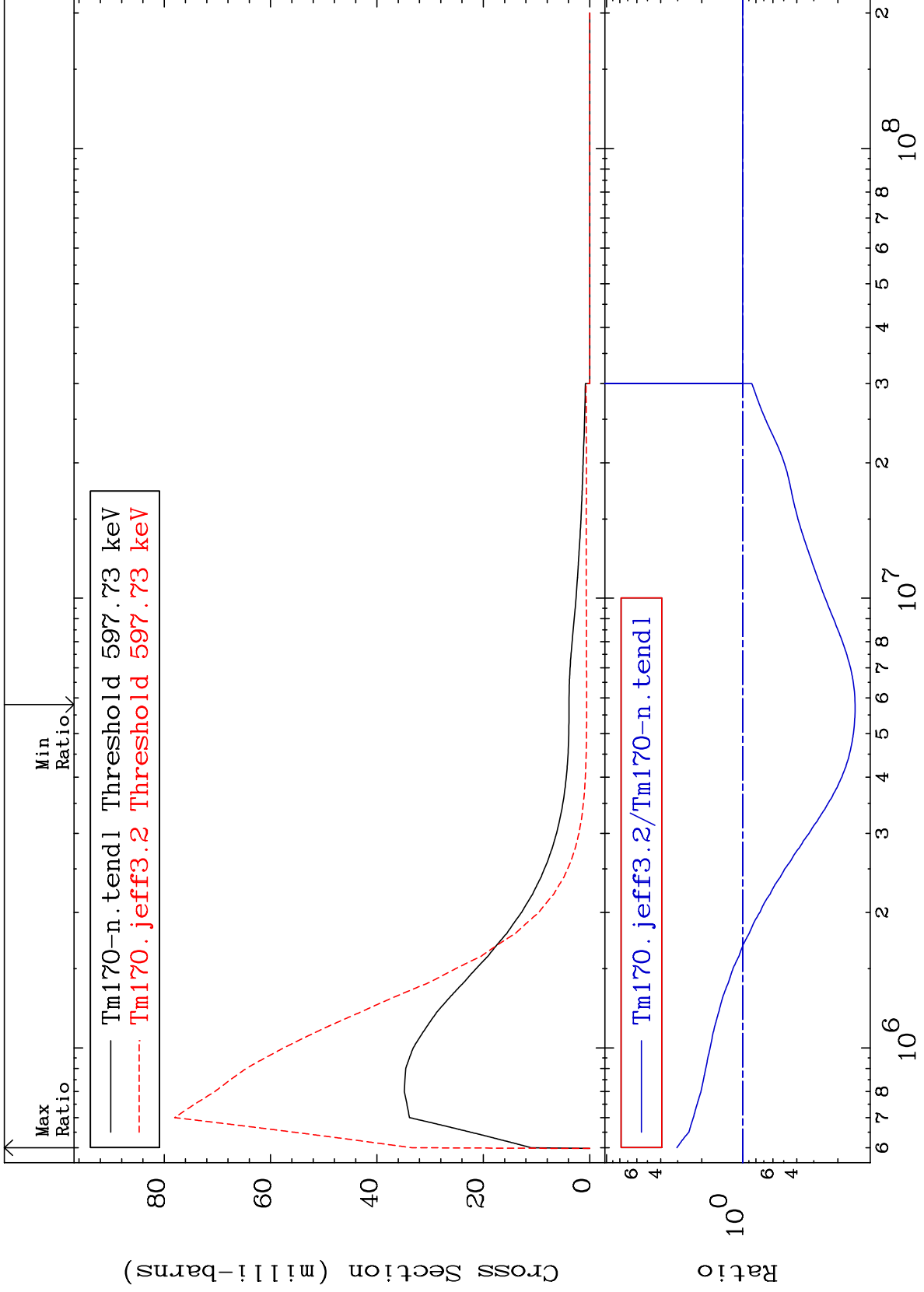
69-Tm-170
-4.679 To 0.000 %



MAT 6928

594.2 keV (n,n') Level
Cross Section

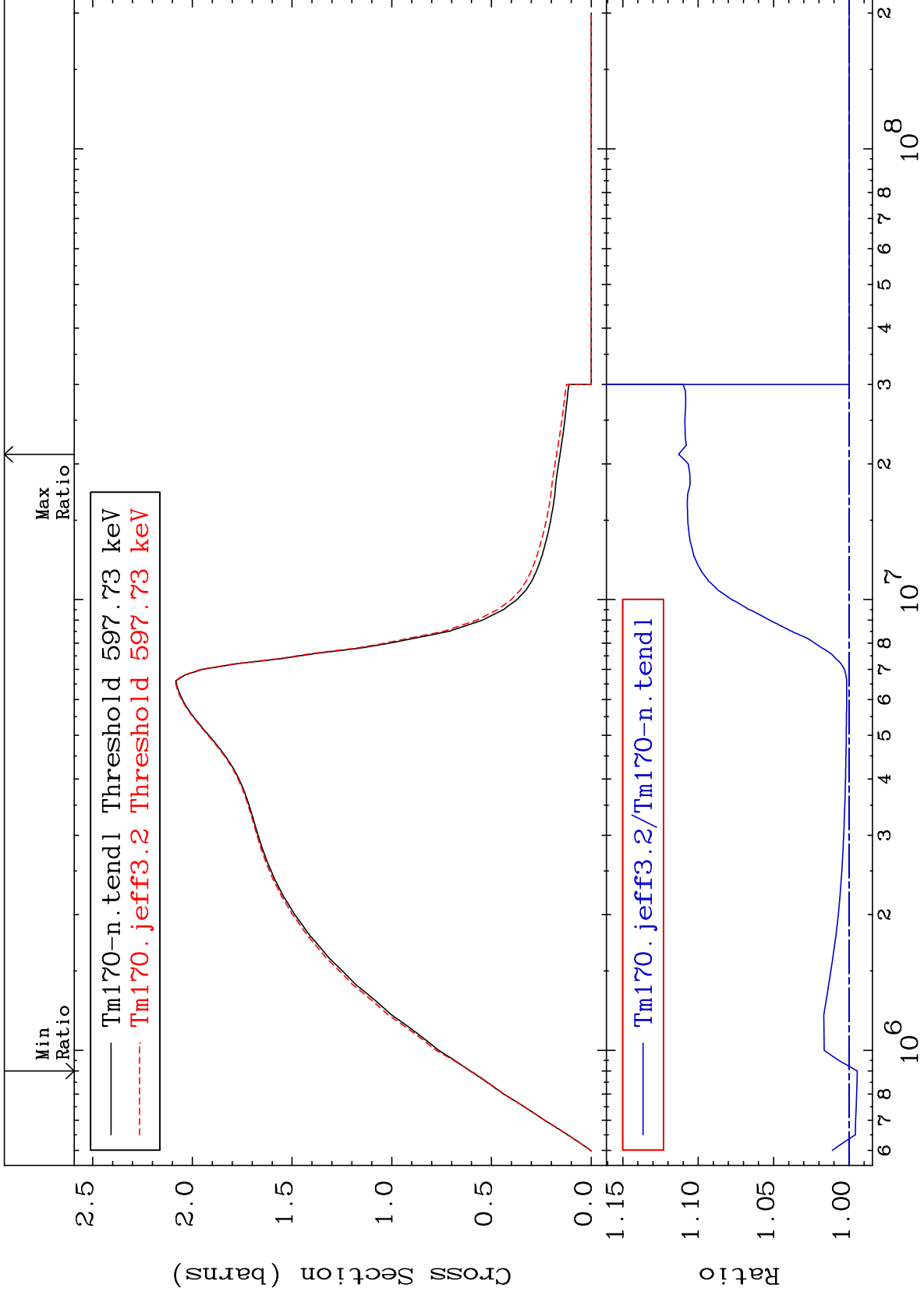
69-Tm-170
-85.07 To 204.0 %

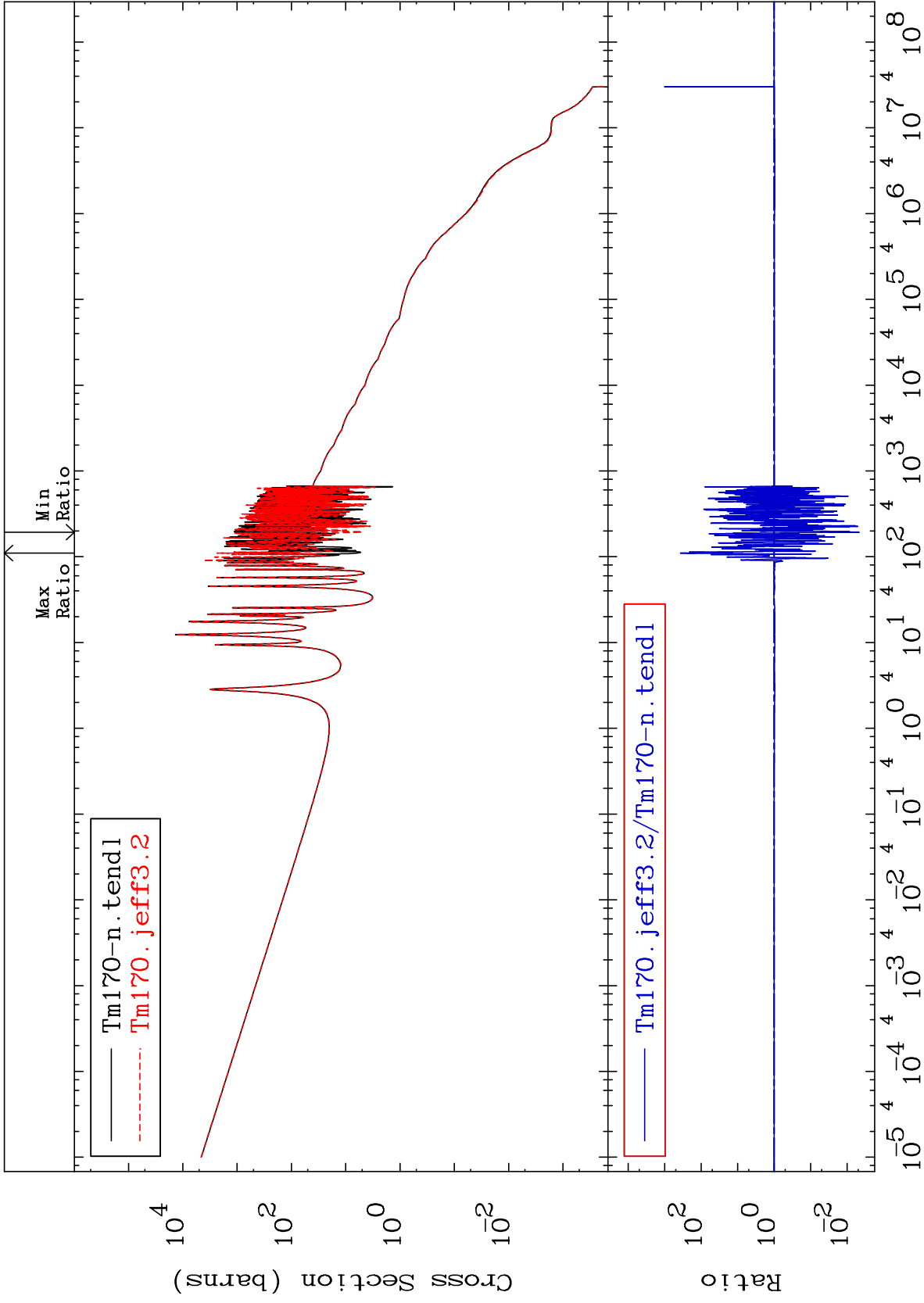


MAT 6928

(n, n') Continuum
Cross Section

69-Tm-170
-0.542 To 11.30 %





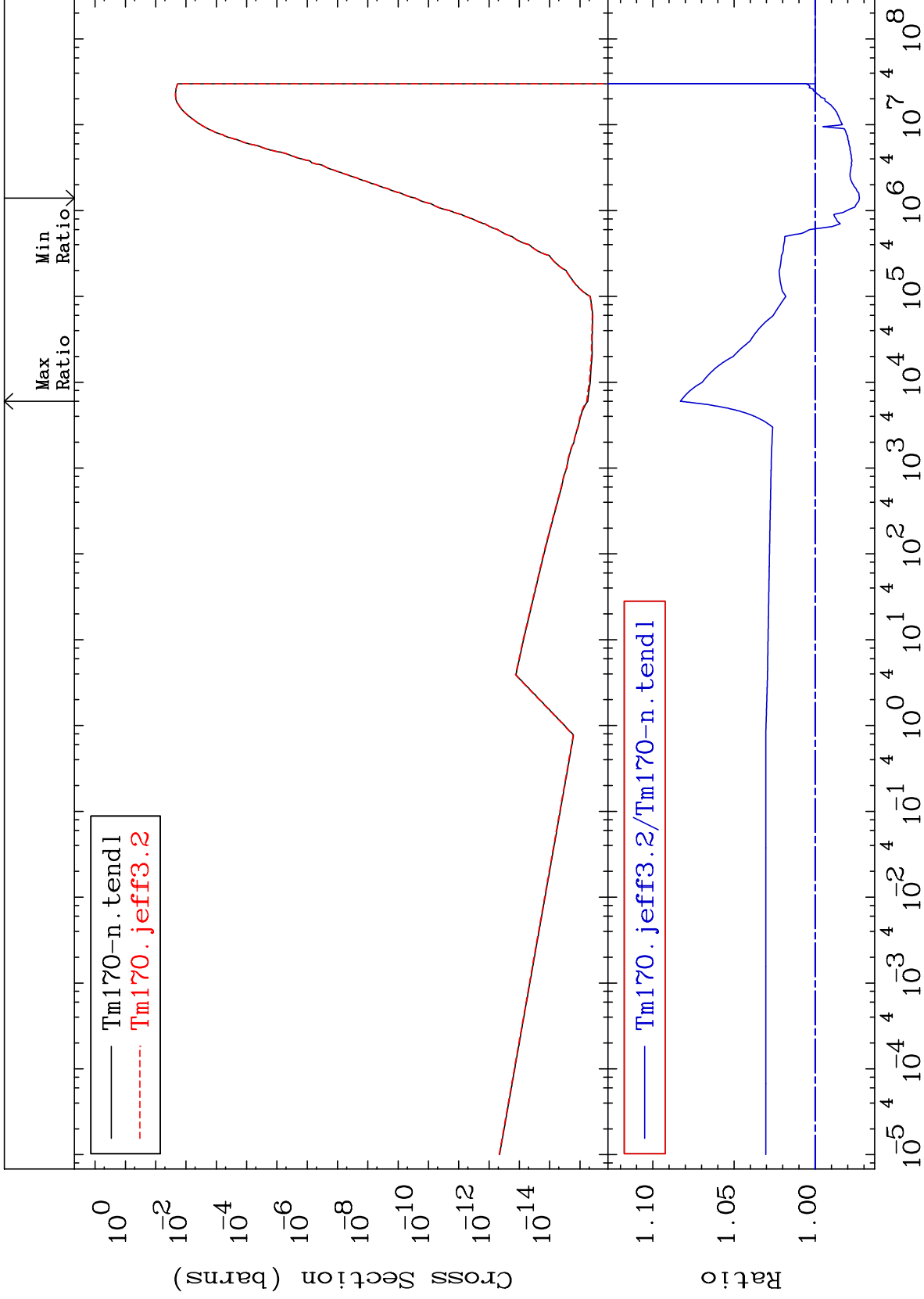
MAT 6928

(n,p)

Cross Section

69-Tm-170

-2.721 To 8.306 %



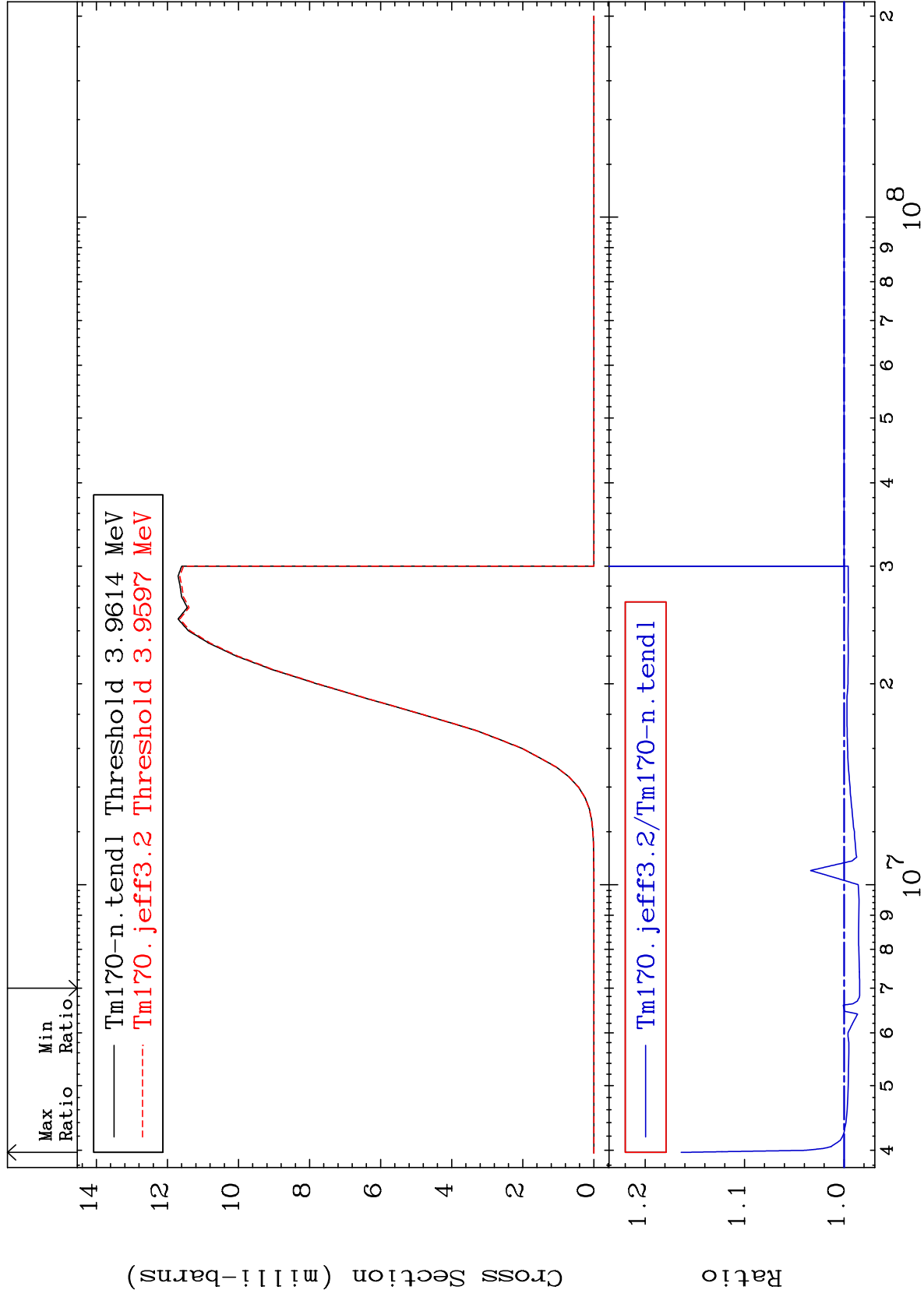
MAT 6928

(n, d)

69-Tm-170

Cross Section

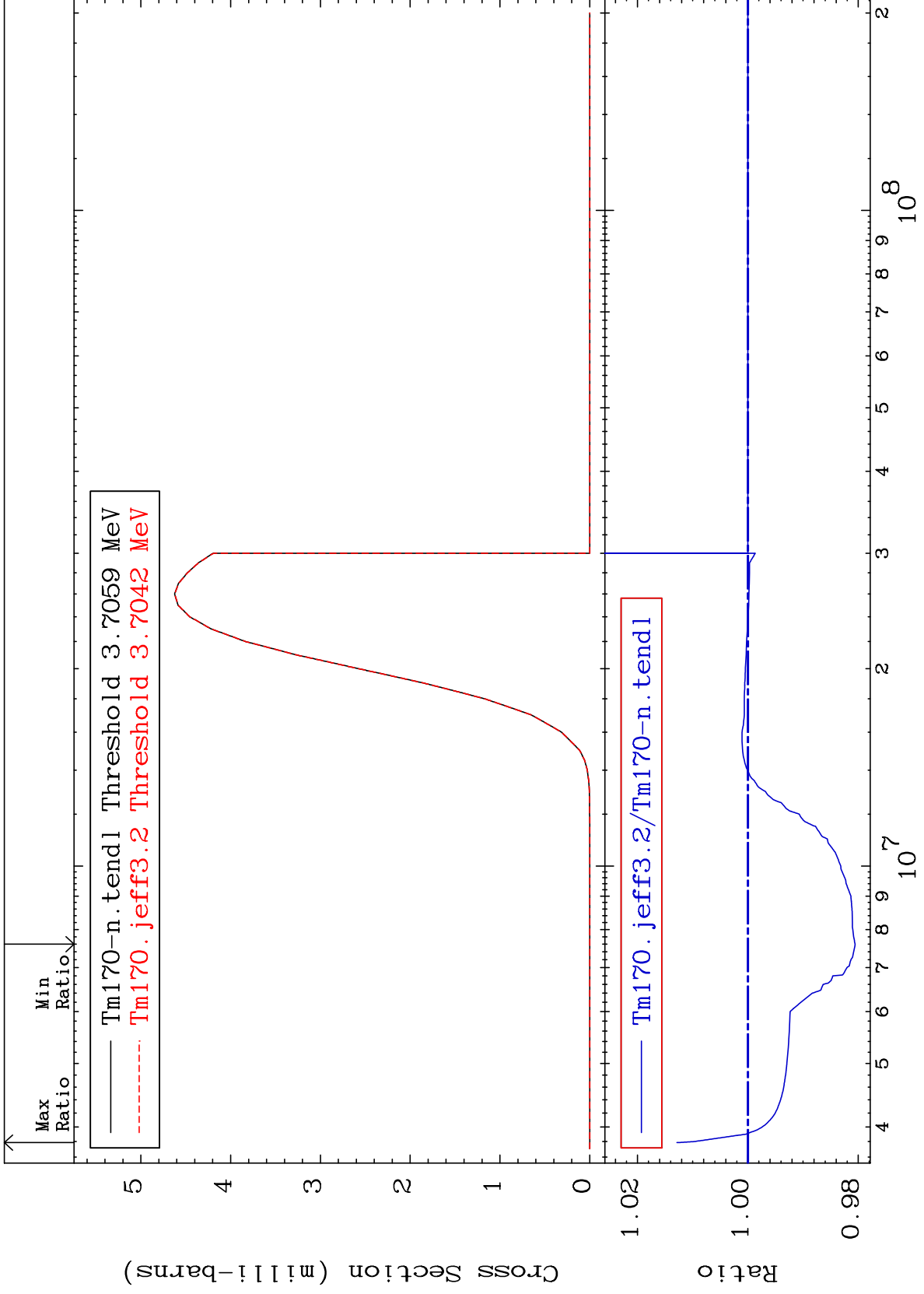
-1.565 To 16.38 %



MAT 6928

(n, t)
Cross Section

69-Tm-170
-1.943 To 1.285 %



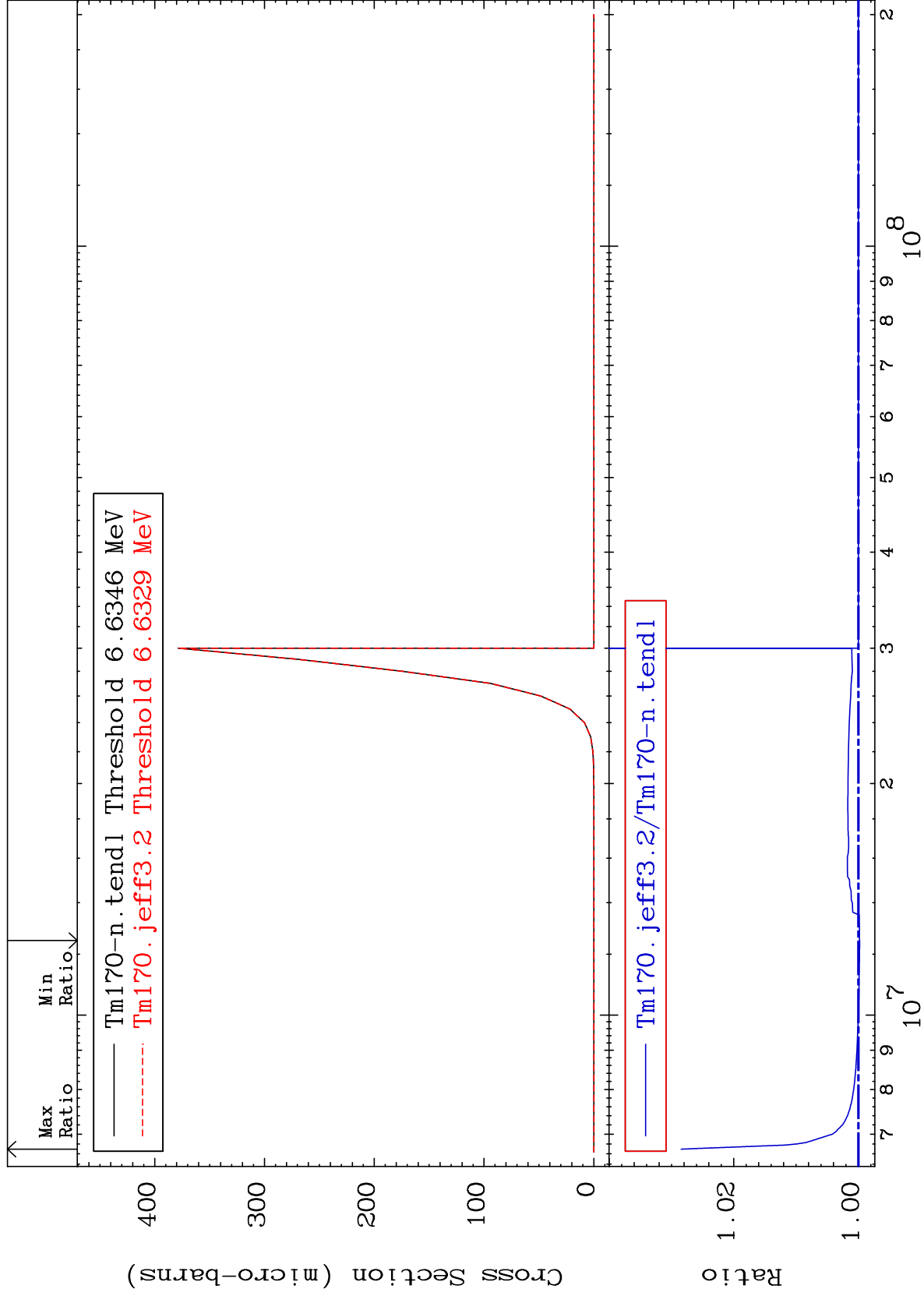
MAT 6928

(n, He-3)

69-Tm-170

Cross Section

-0.021 To 2.845 %



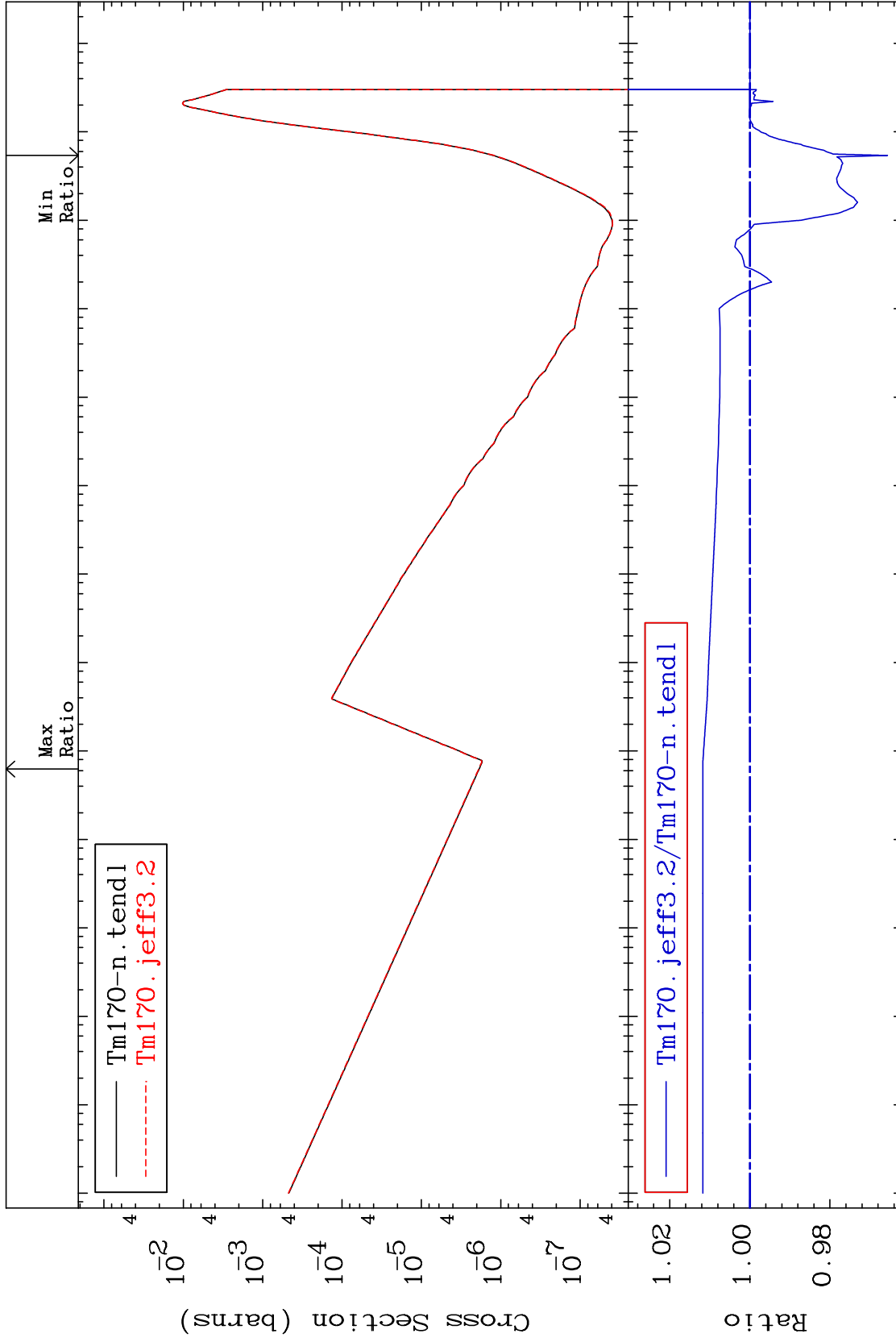
MAT 6928

(n, α)

69-Tm-170

Cross Section

-3.436 To 1.172 %



56

Incident Energy (eV)

69-Tm-170

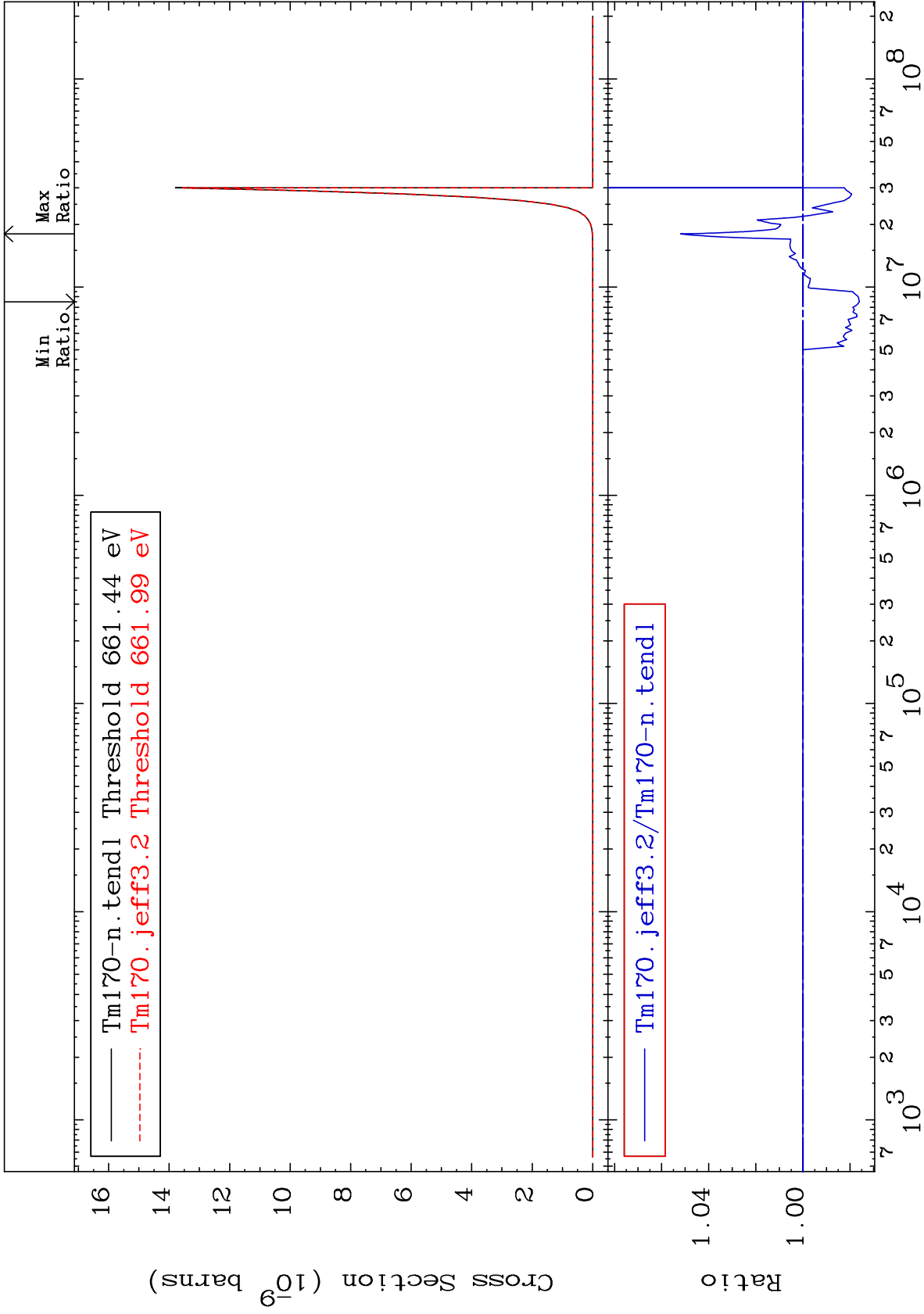
MAT 6928

(n,2α)

69-Tm-170

Cross Section

-2.399 To 5.205 %



57

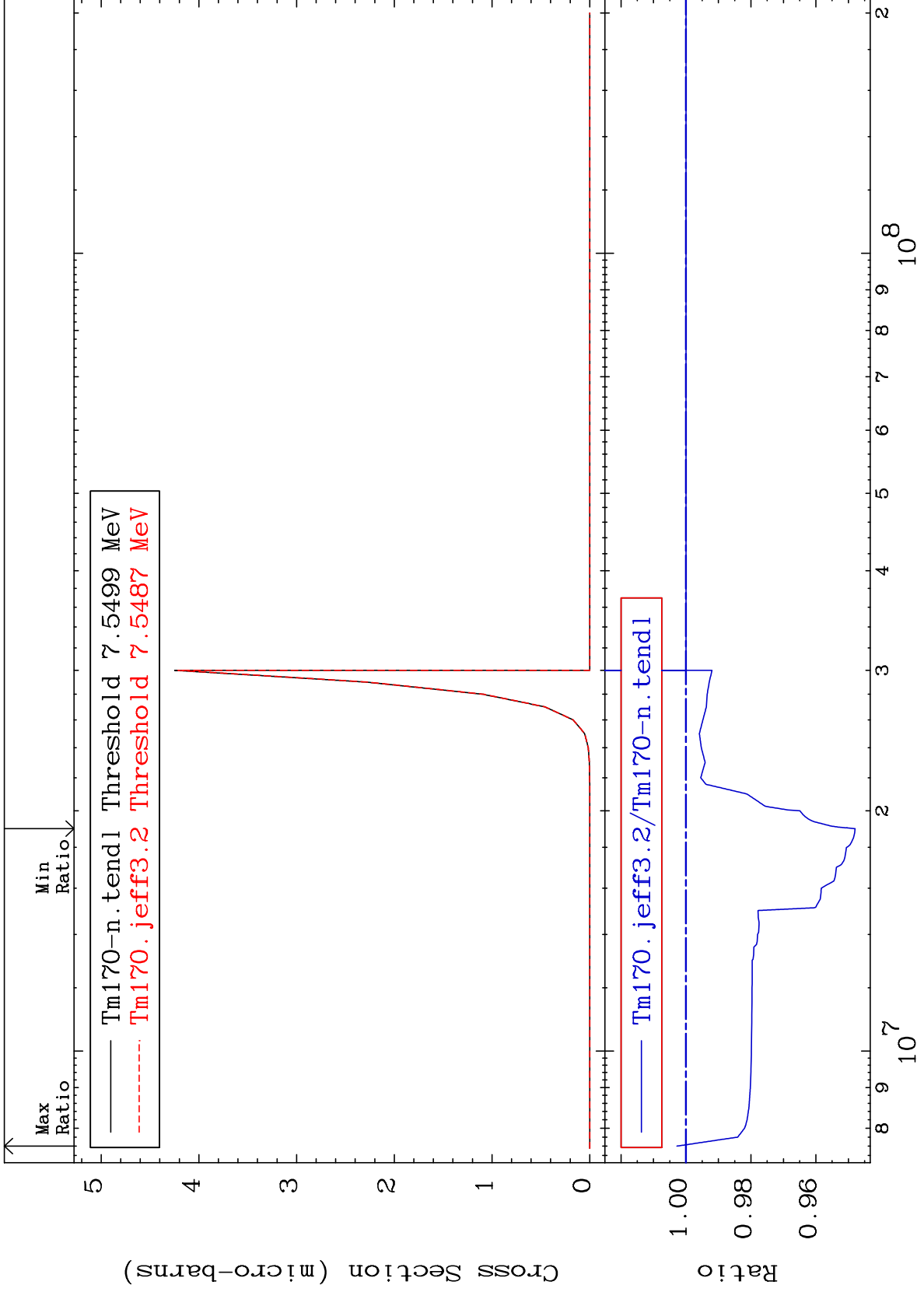
Incident Energy (eV)

69-Tm-170

MAT 6928

(n,2p)
Cross Section

69-Tm-170
-5.207 To 0.279 %



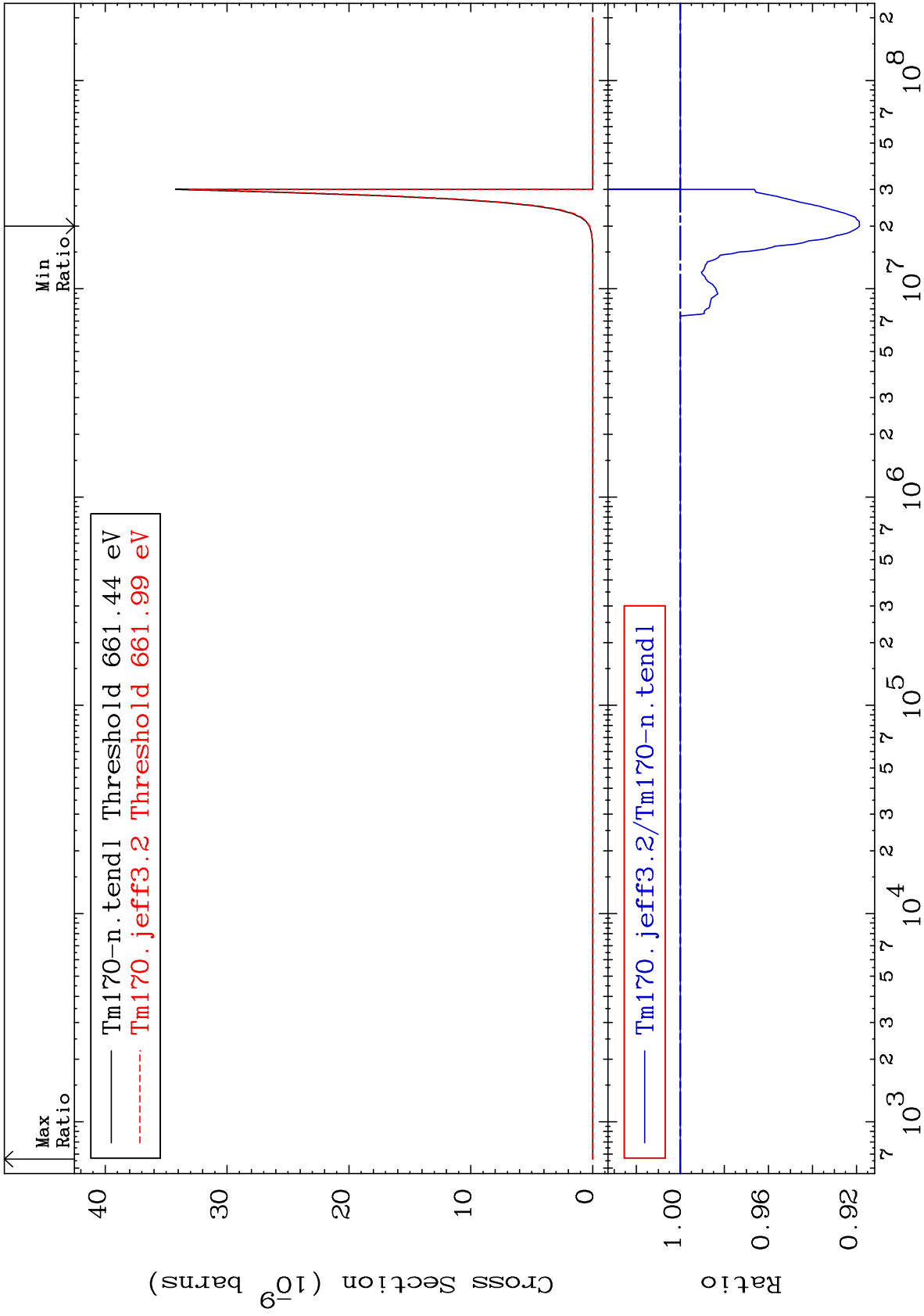
MAT 6928

(n, p) α

69-Tm-170

Cross Section

-8.132 To 0.000 %



59

Incident Energy (eV)

69-Tm-170

MAT 6928

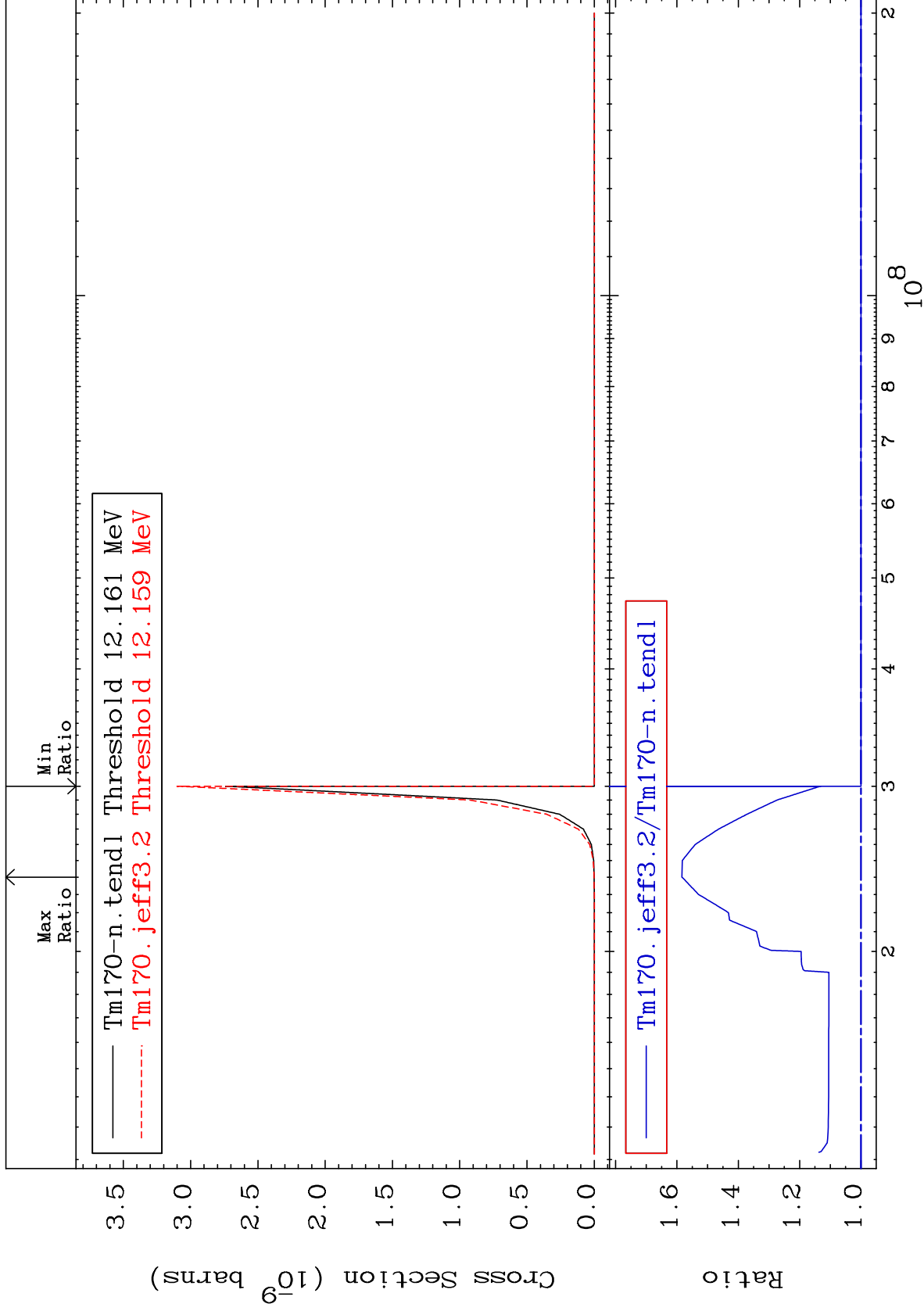
(n,p) d

69-Tm-170

Cross Section

0.000

To 58.38 %



60

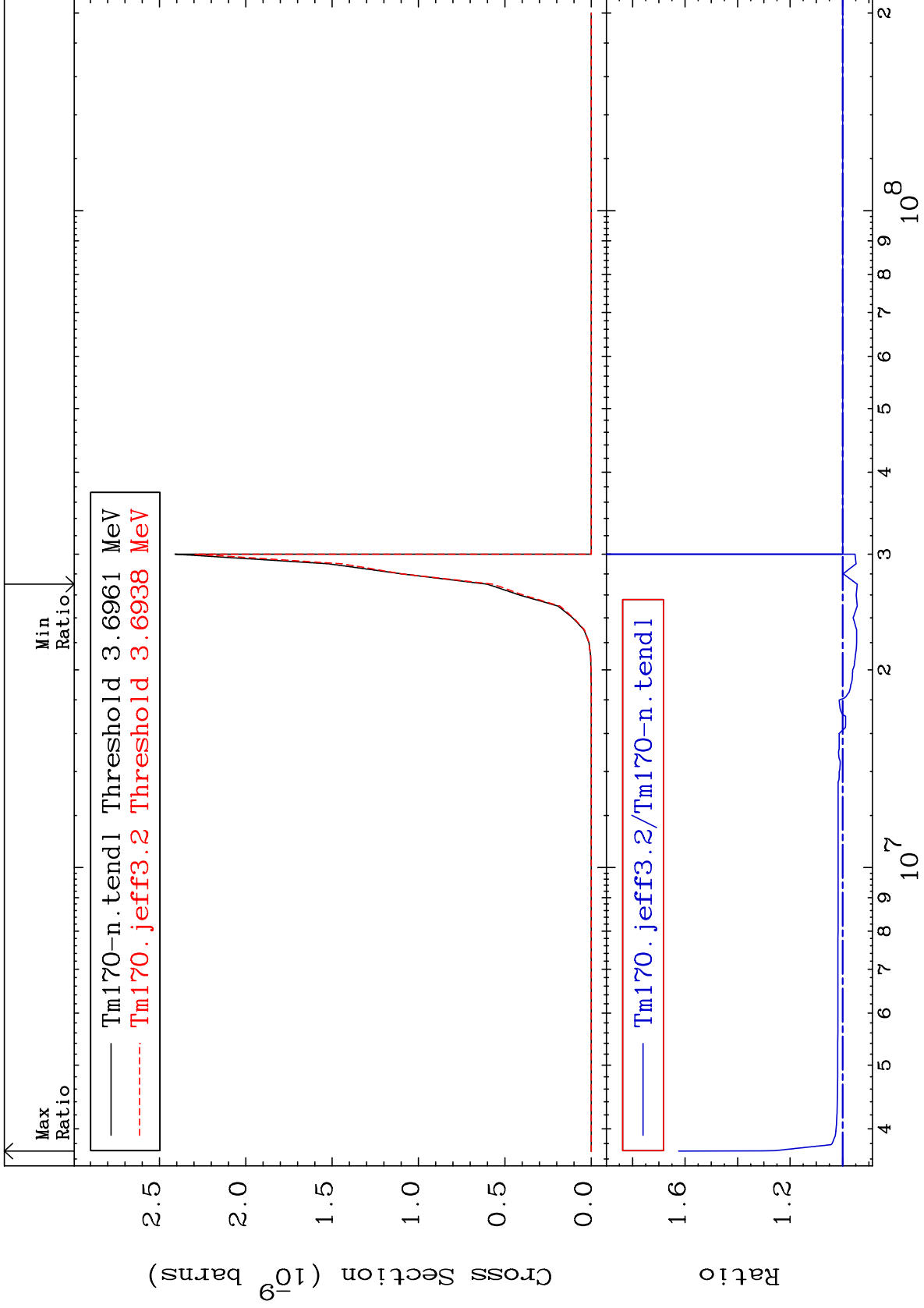
Incident Energy (eV)

69-Tm-170

MAT 6928

(n, d) α
Cross Section

69-Tm-170
-5.582 To 62.44 %



61

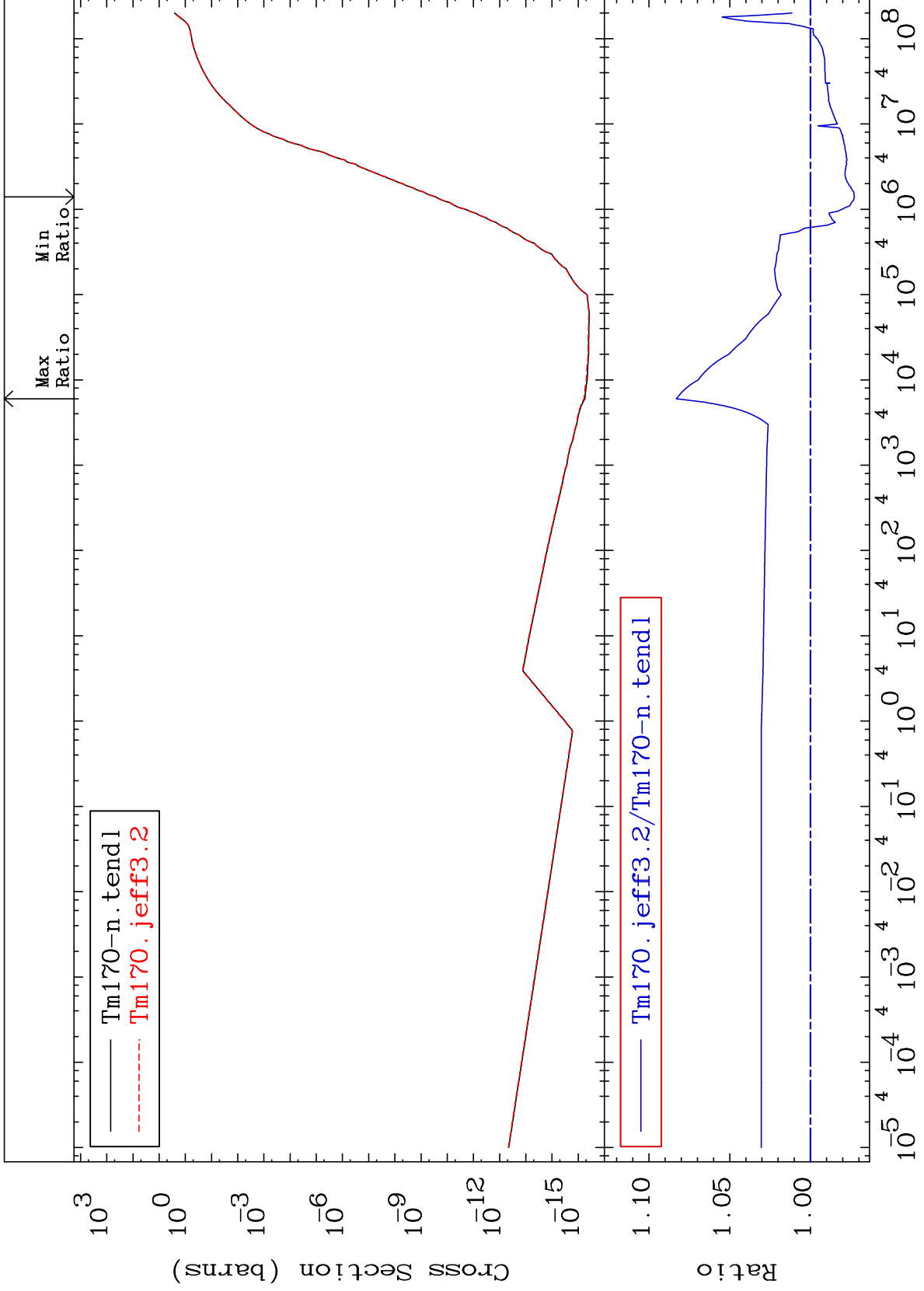
Incident Energy (eV)

69-Tm-170

MAT 6928

Hydrogen Production
Cross Section

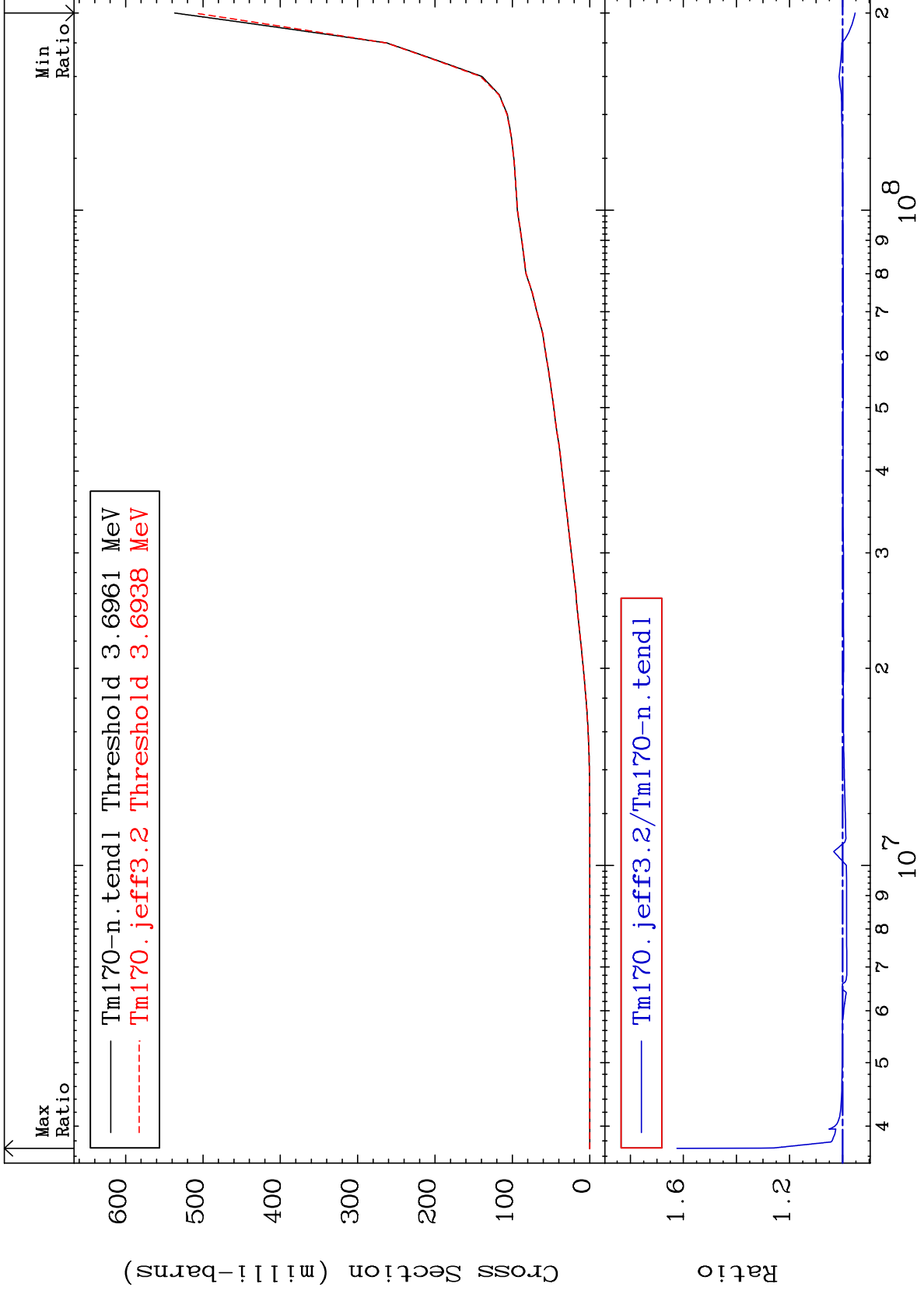
69-Tm-170
-2.721 To 8.306 %



MAT 6928

Deuterium Production
Cross Section

69-Tm-170
-4.701 To 62.44 %



63

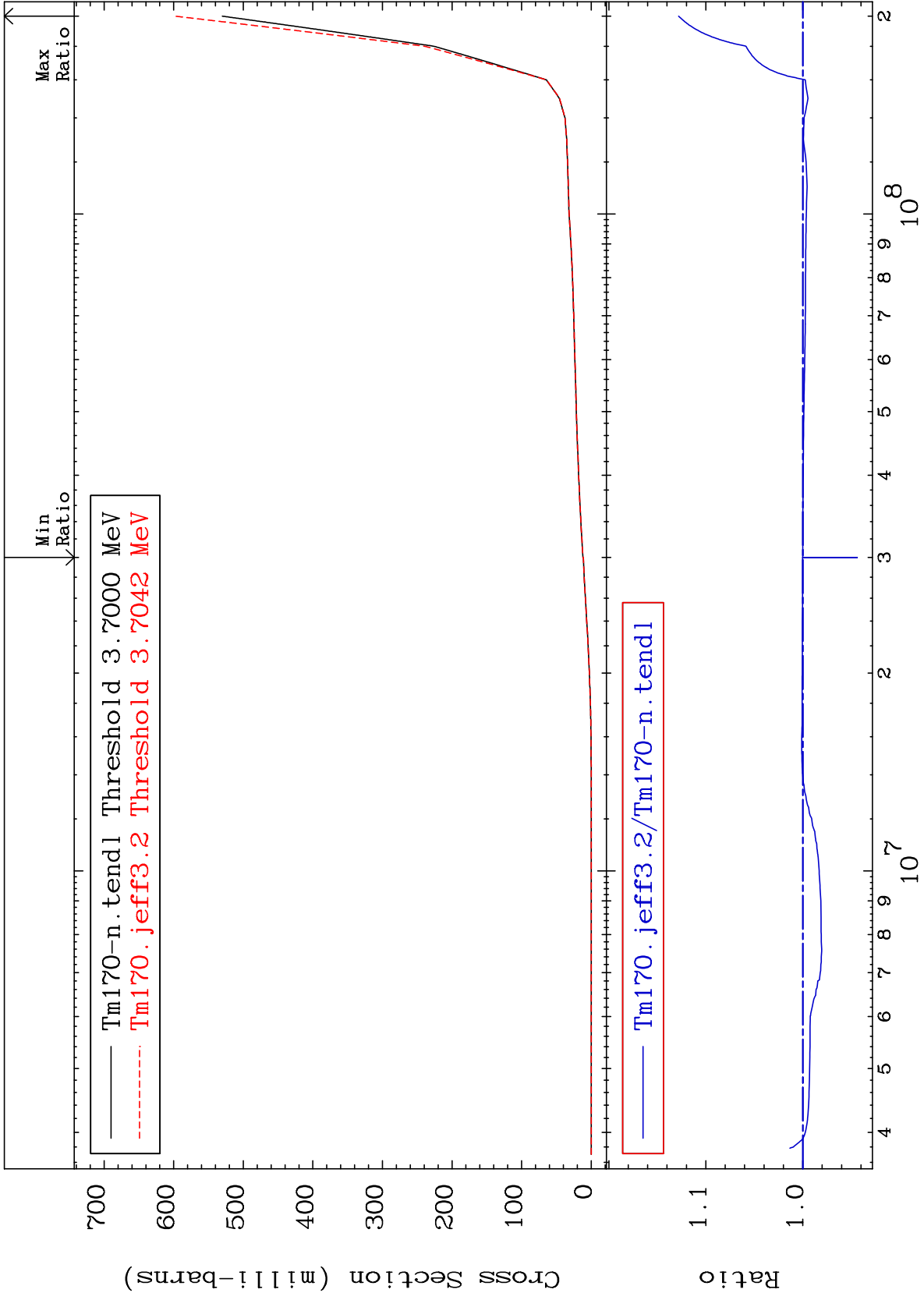
Incident Energy (eV)

69-Tm-170

MAT 6928

Tritium Production
Cross Section

69-Tm-170
-5.618 To 12.80 %



64

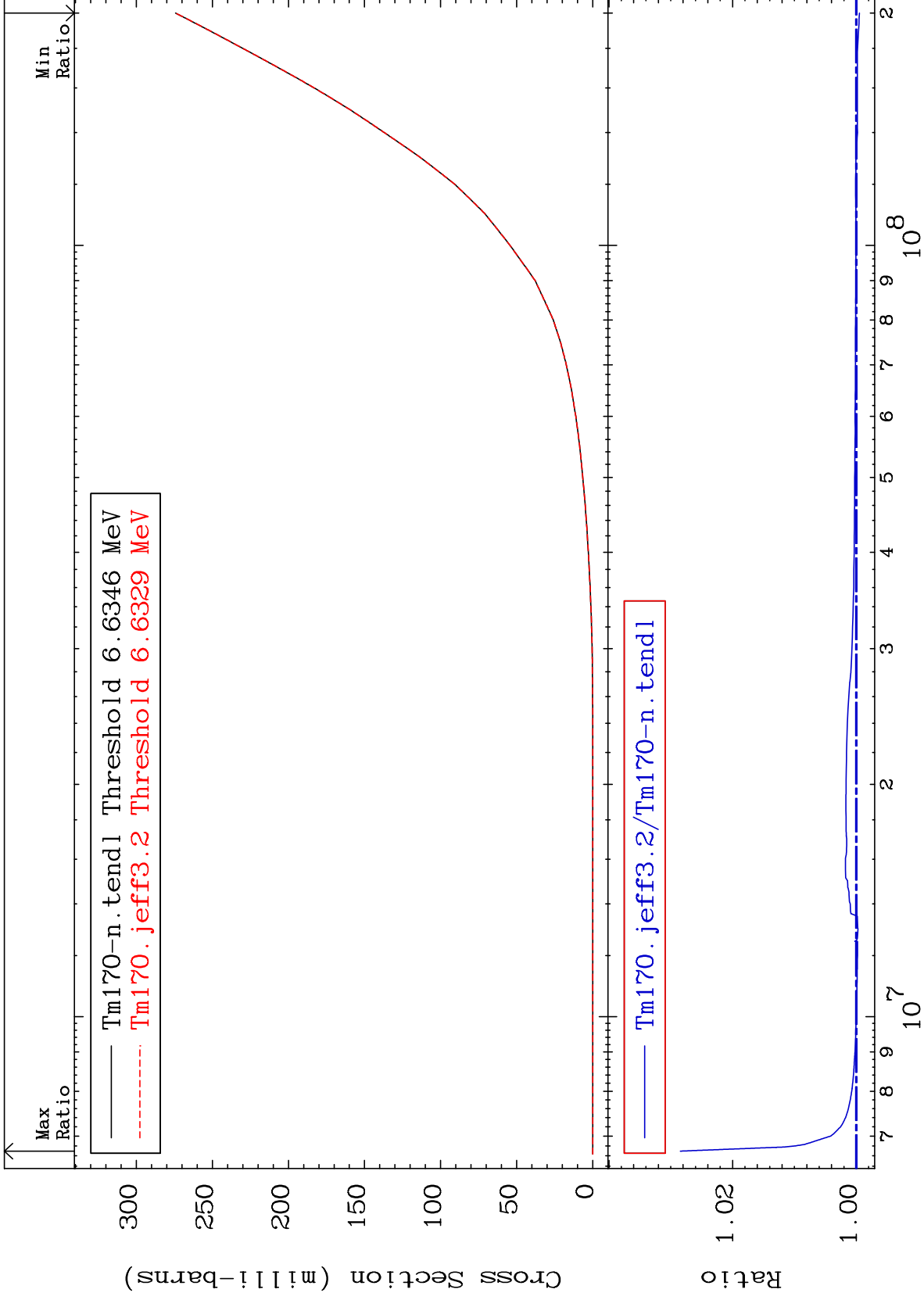
Incident Energy (eV)

69-Tm-170

MAT 6928

He-3 Production
Cross Section

69-Tm-170
-0.051 To 2.845 %



65

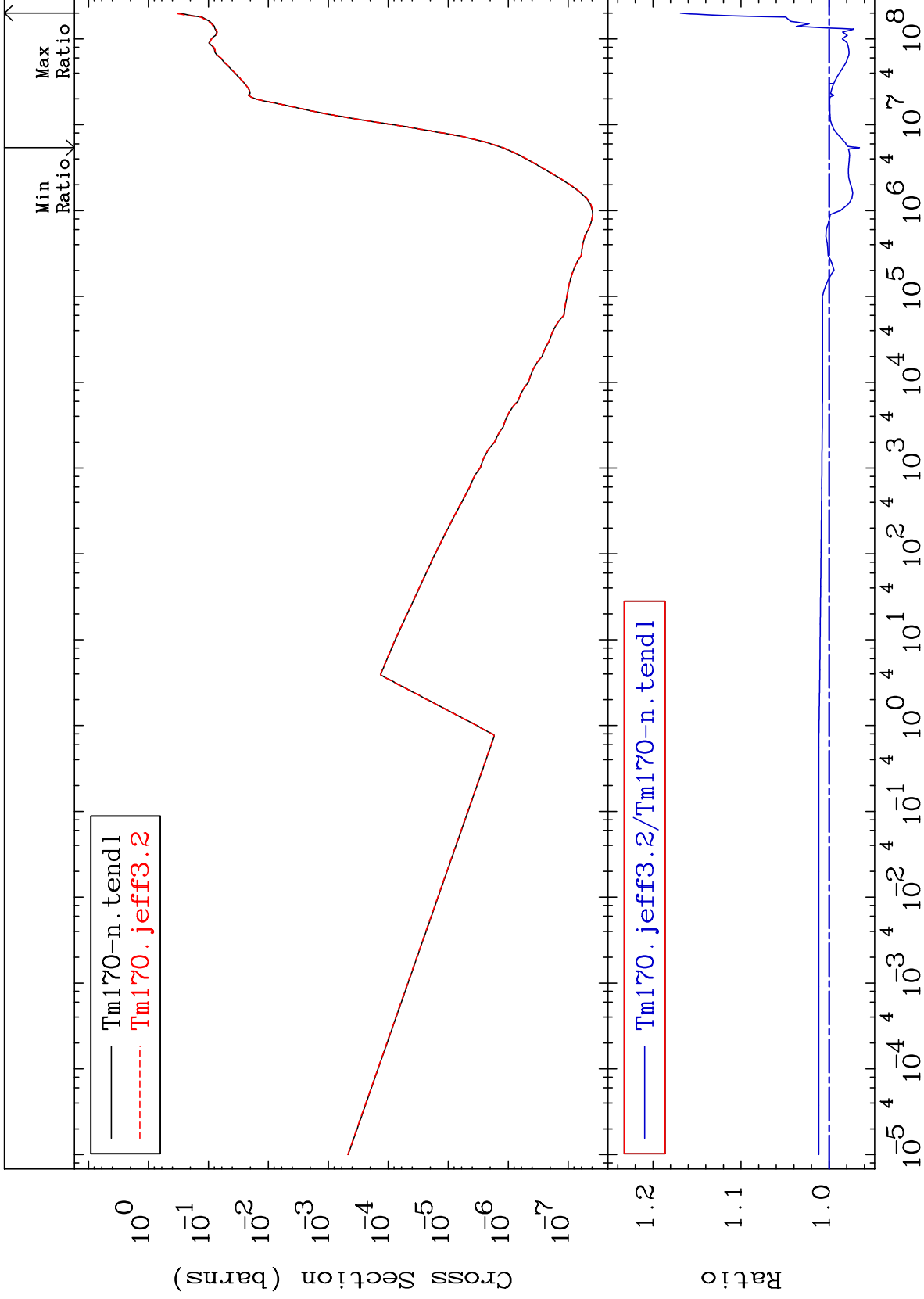
Incident Energy (eV)

69-Tm-170

MAT 6928

He-4 Production
Cross Section

69-Tm-170
-3.436 To 16.89 %



66

Incident Energy (eV)

69-Tm-170

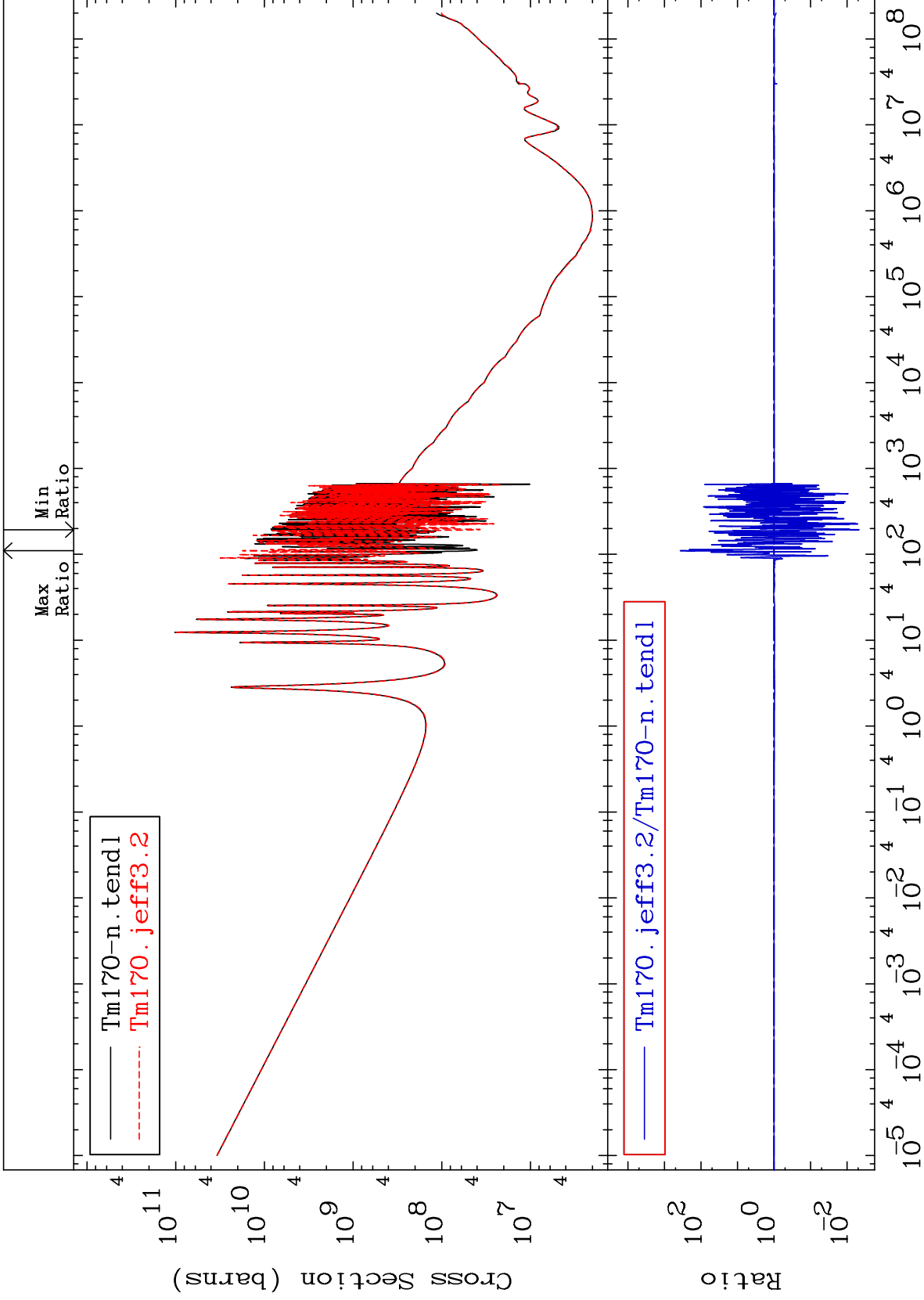
MAT 6928

Kerma total (eV-barns)

69-Tm-170

-99.54 To 9999. %

Cross Section



67

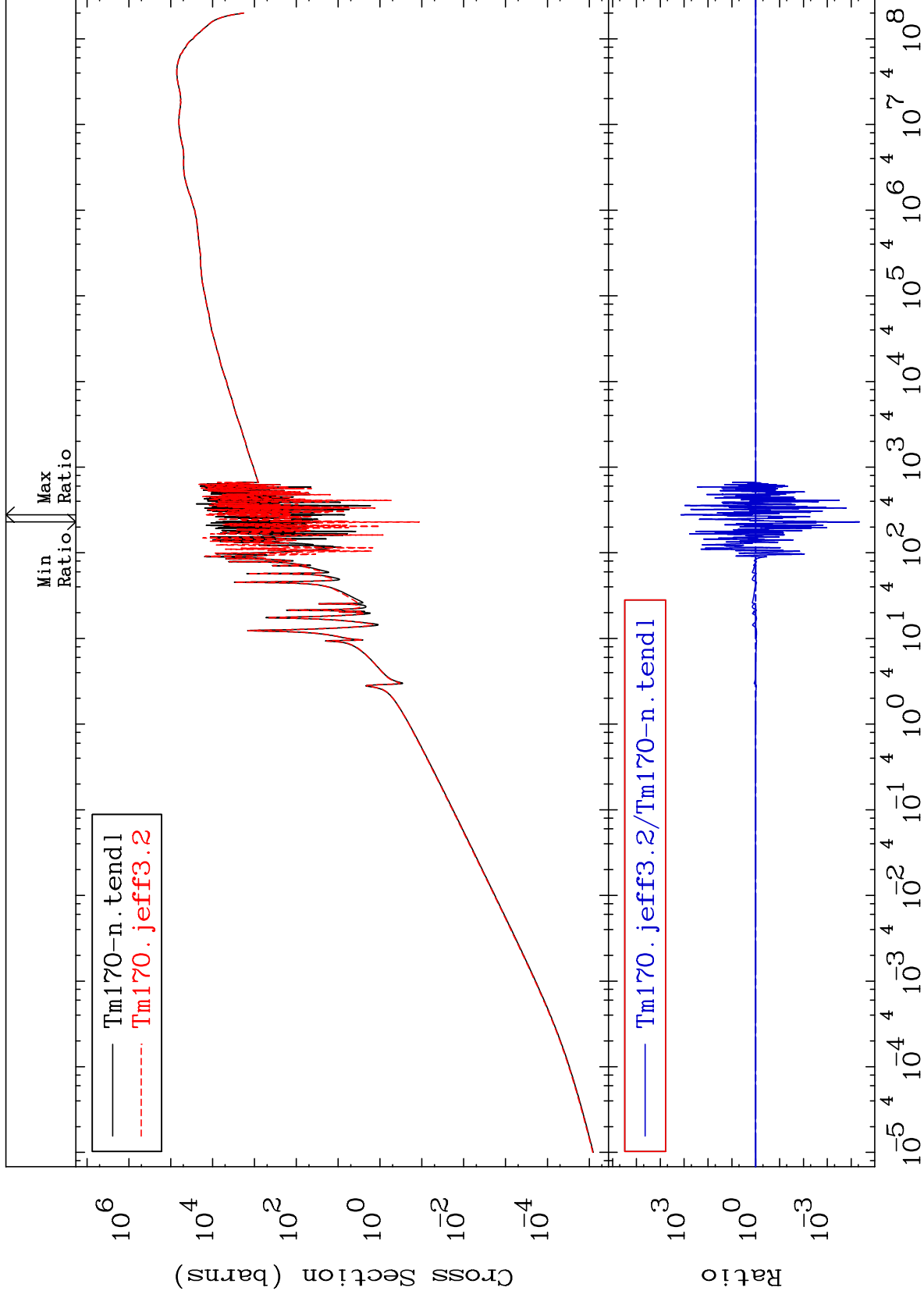
Incident Energy (eV)

69-Tm-170

MAT 6928

Kerma elastic
Cross Section

69-Tm-170
-100.0 To 9999. %



68

Incident Energy (eV)

69-Tm-170

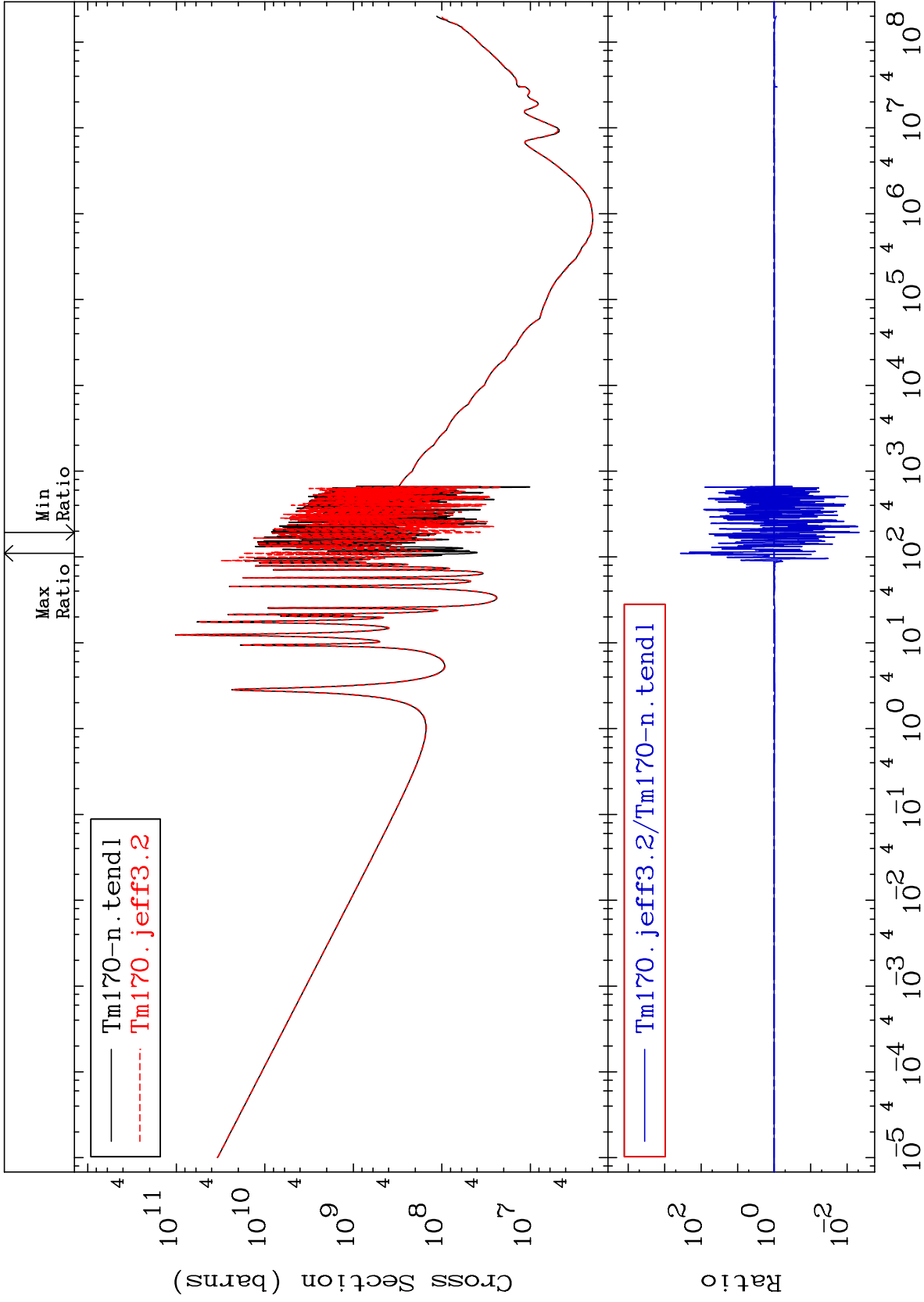
MAT 6928

Kerma non-elastic (all but mt2)

69-Tm-170

-99.54 To 9999. %

Cross Section



69

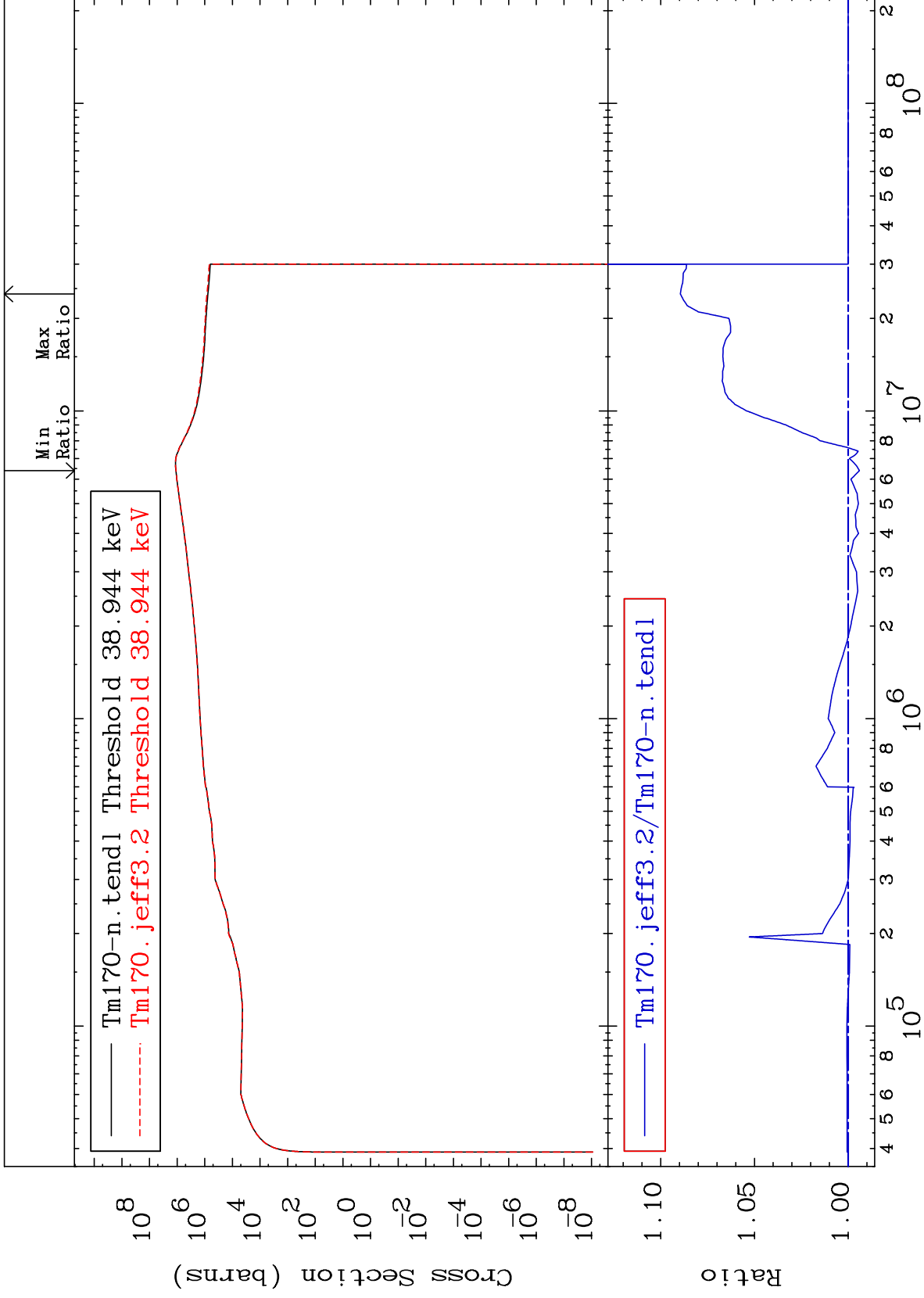
Incident Energy (eV)

69-Tm-170

MAT 6928

Kerma inelastic (mt51-91)
Cross Section

69-Tm-170
-0.598 To 8.951 %



70

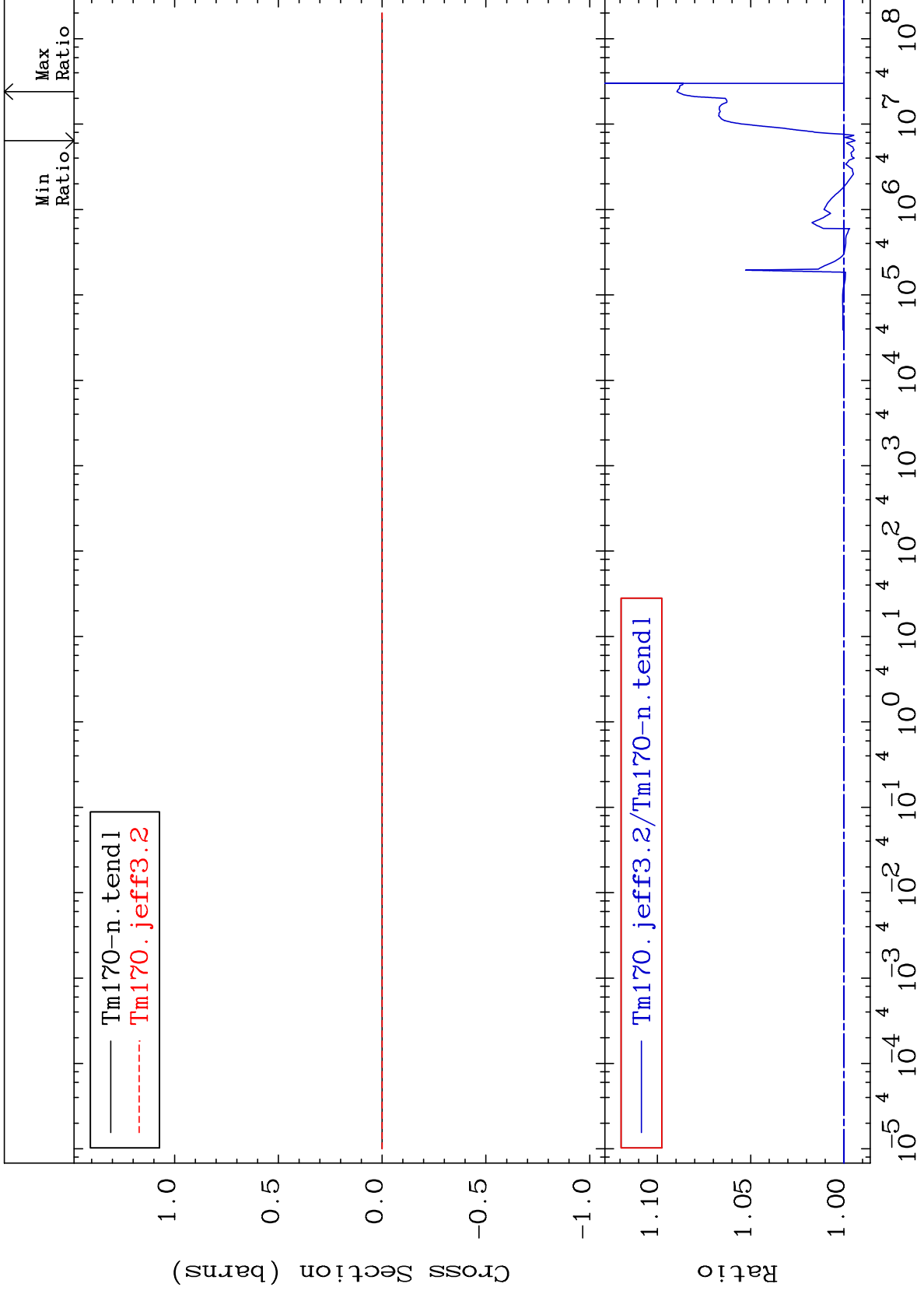
Incident Energy (eV)

69-Tm-170

MAT 6928

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

69-Tm-170
-0.598 To 8.951 %



71

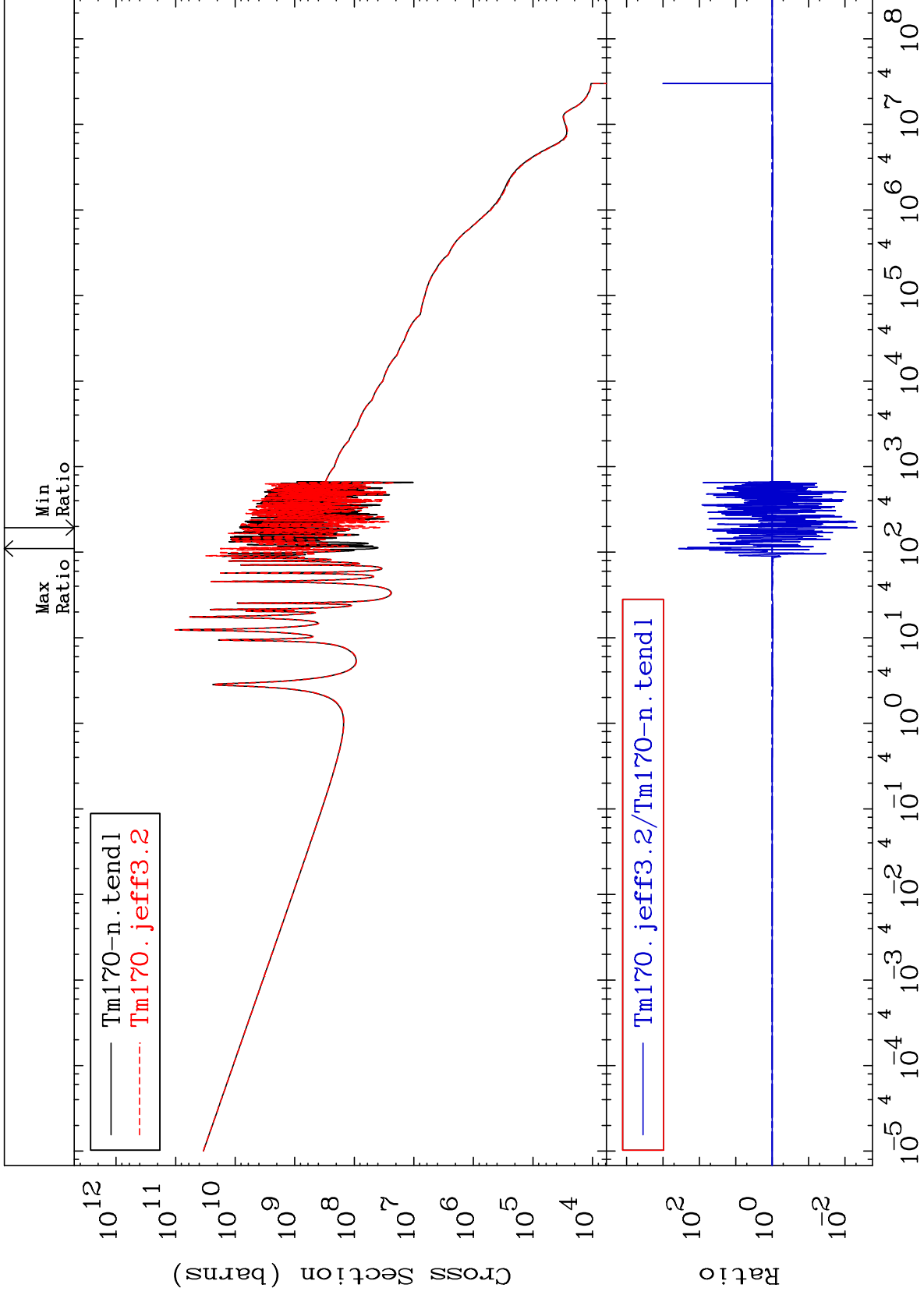
Incident Energy (eV)

69-Tm-170

MAT 6928

Kerma capture (mt102)
Cross Section

69-Tm-170
-99.54 To 9999. %



72

Incident Energy (eV)

69-Tm-170

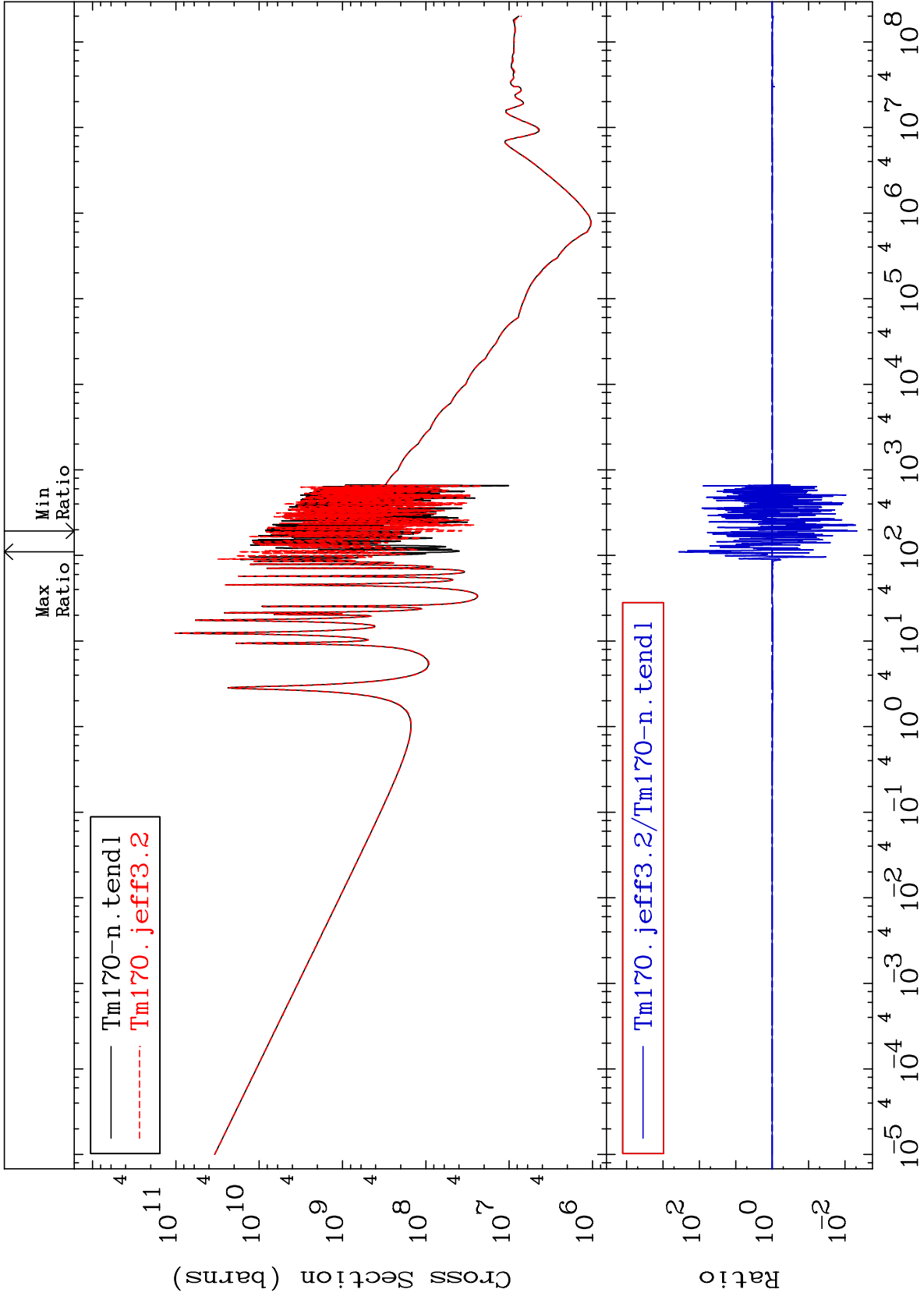
MAT 6928

Total photon (eV-barns)

69-Tm-170

Cross Section

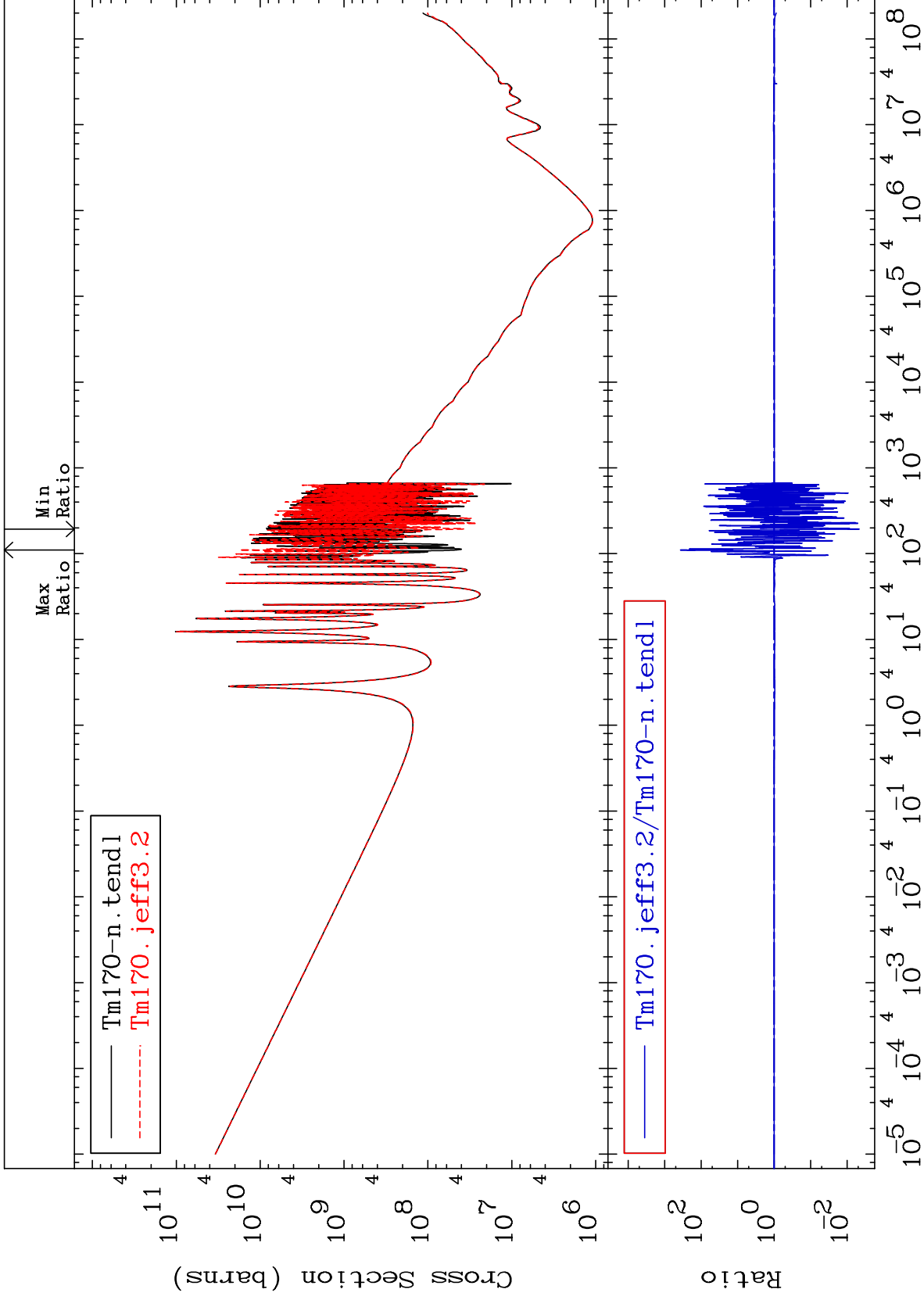
-99.54 To 9999. %



73

Incident Energy (eV)

69-Tm-170

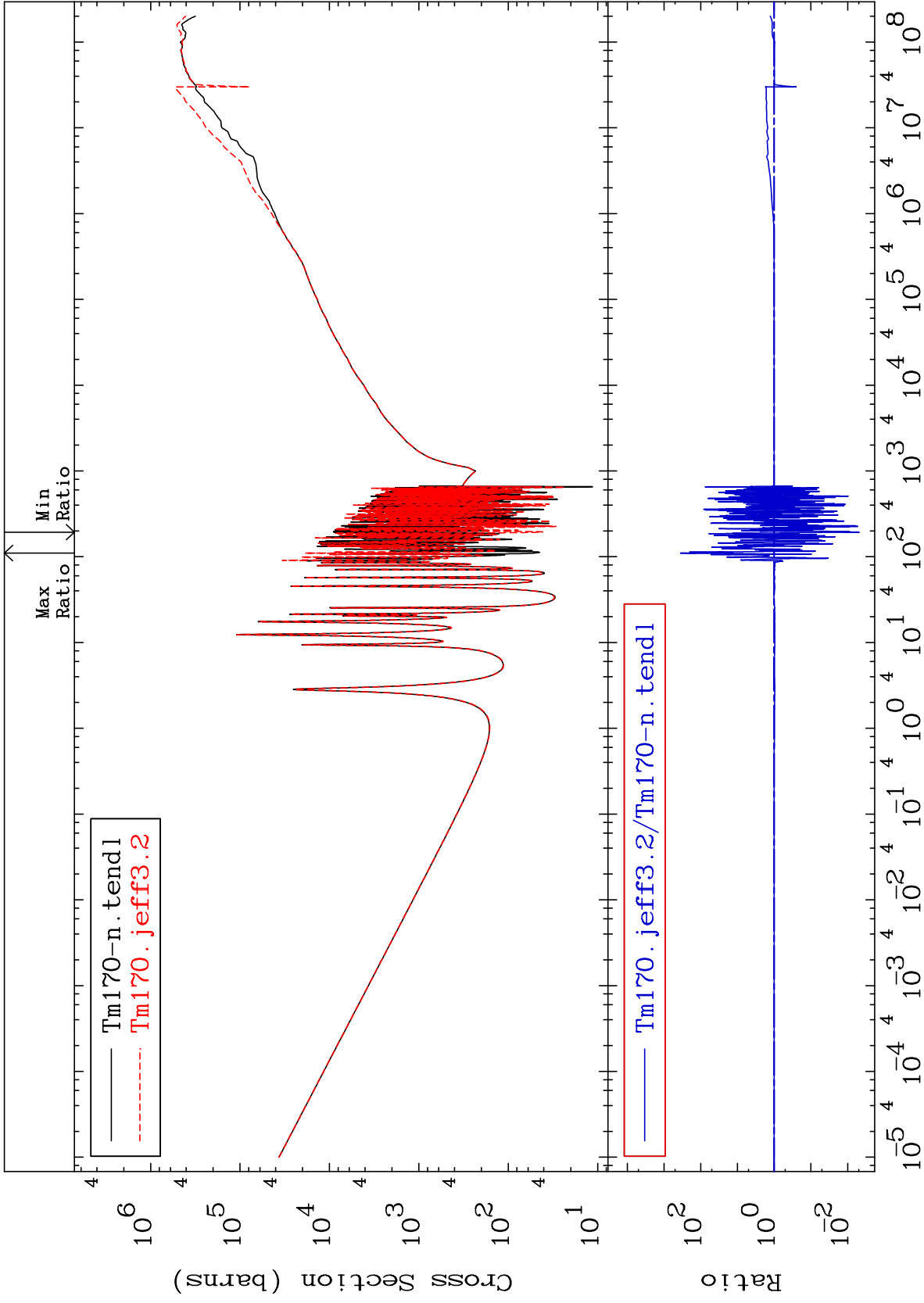


MAT 6928

Dpa total (eV-barns)

69-Tm-170

-99.52 To 9999. %



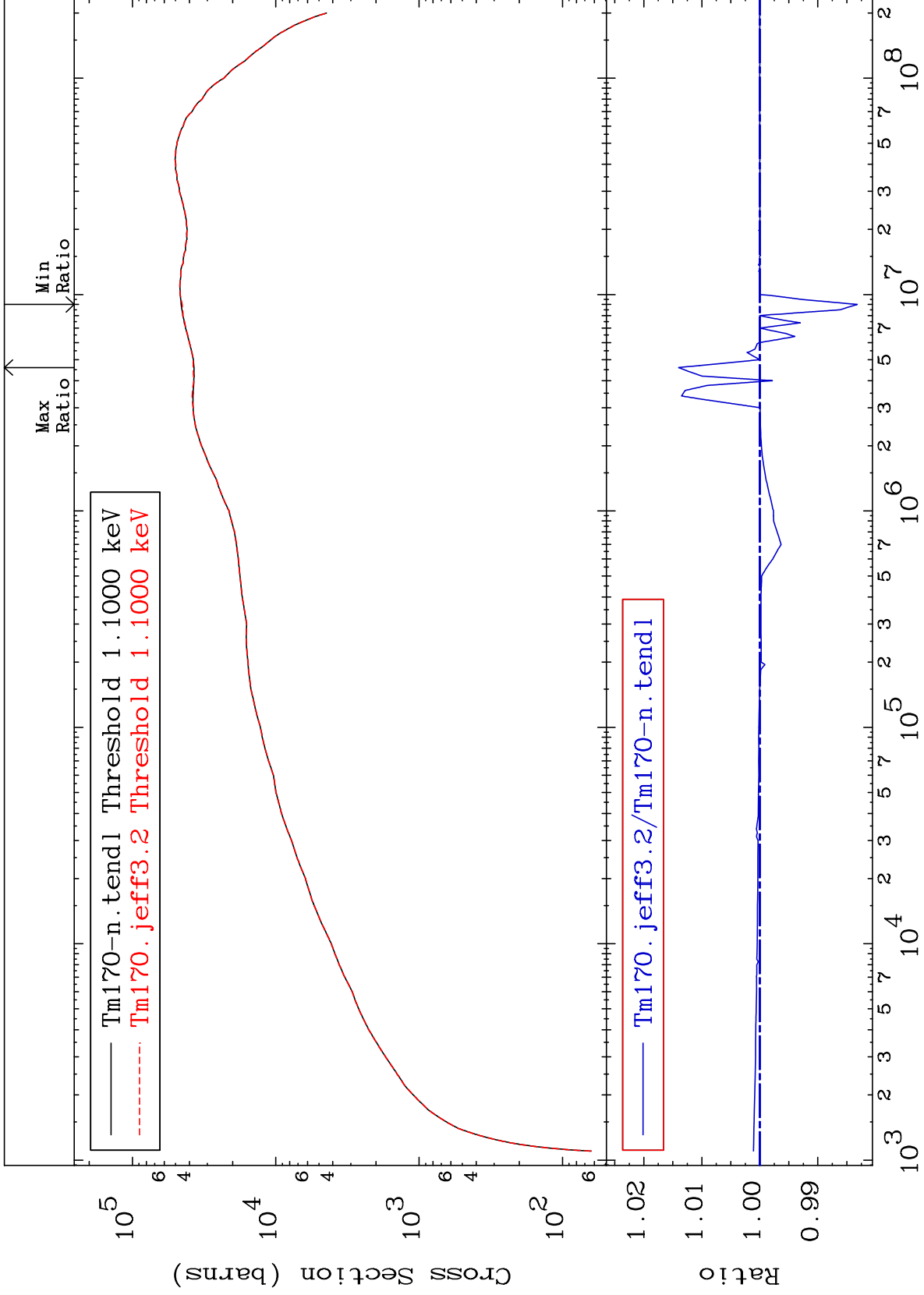
75

69-Tm-170

MAT 6928

Dpa elastic (mt²)
Cross Section

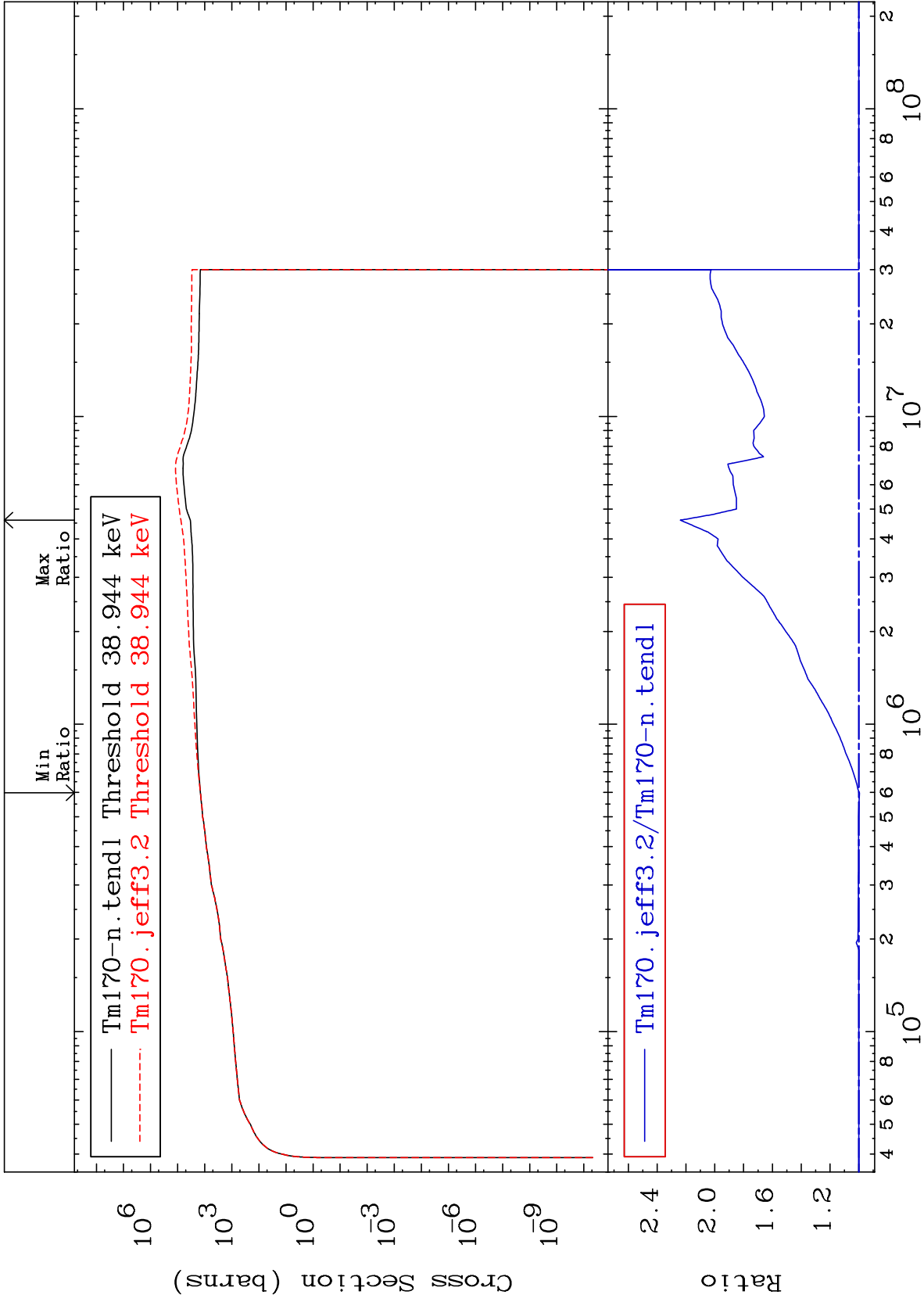
69-Tm-170
-1.680 To 1.399 %

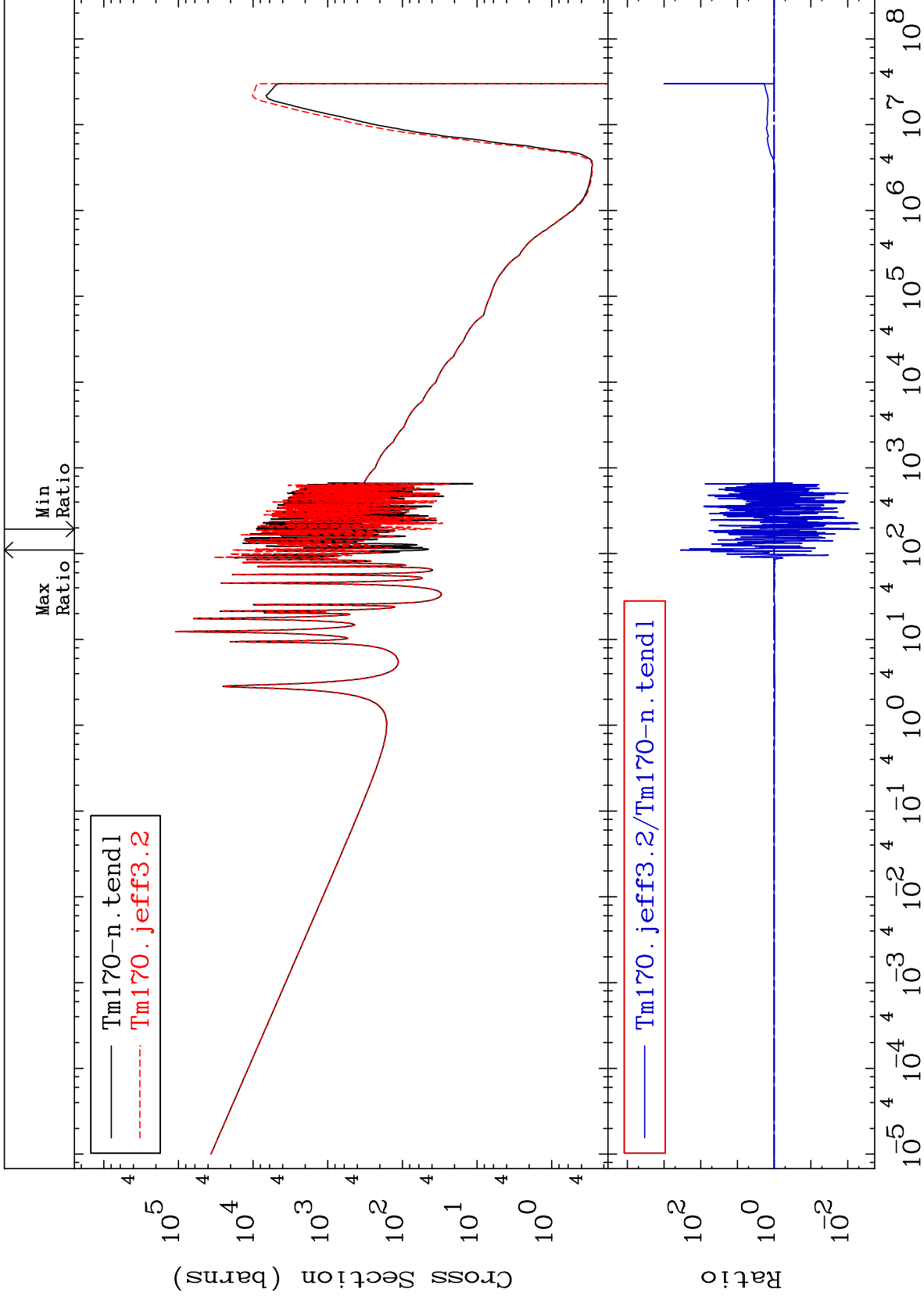


76

Incident Energy (eV)

69-Tm-170



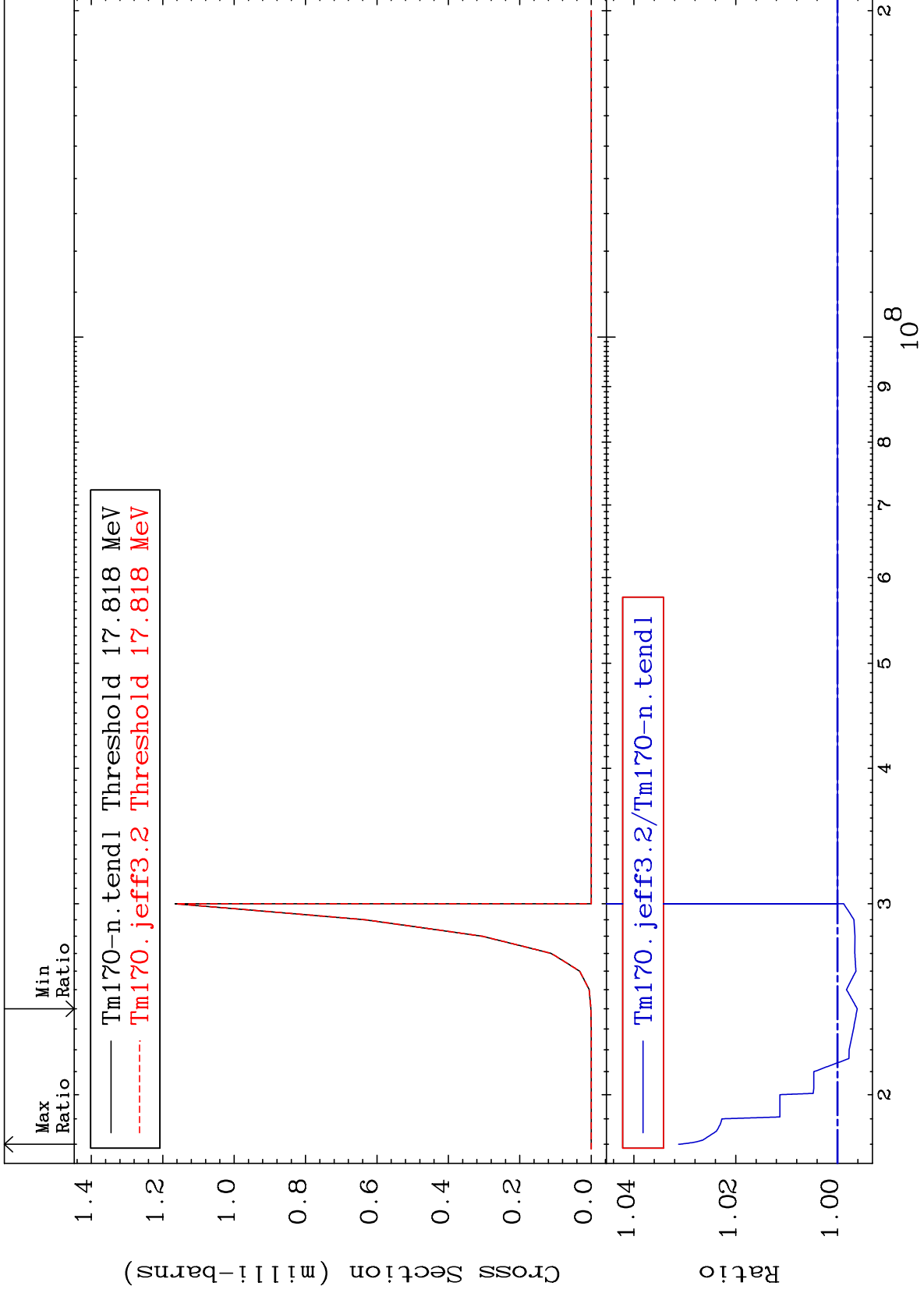


MAT 6928

(n,2n) d:68-Er-167g

69-Tm-170

Radionuclide Production Cross Section -0.389 To 3.122 %

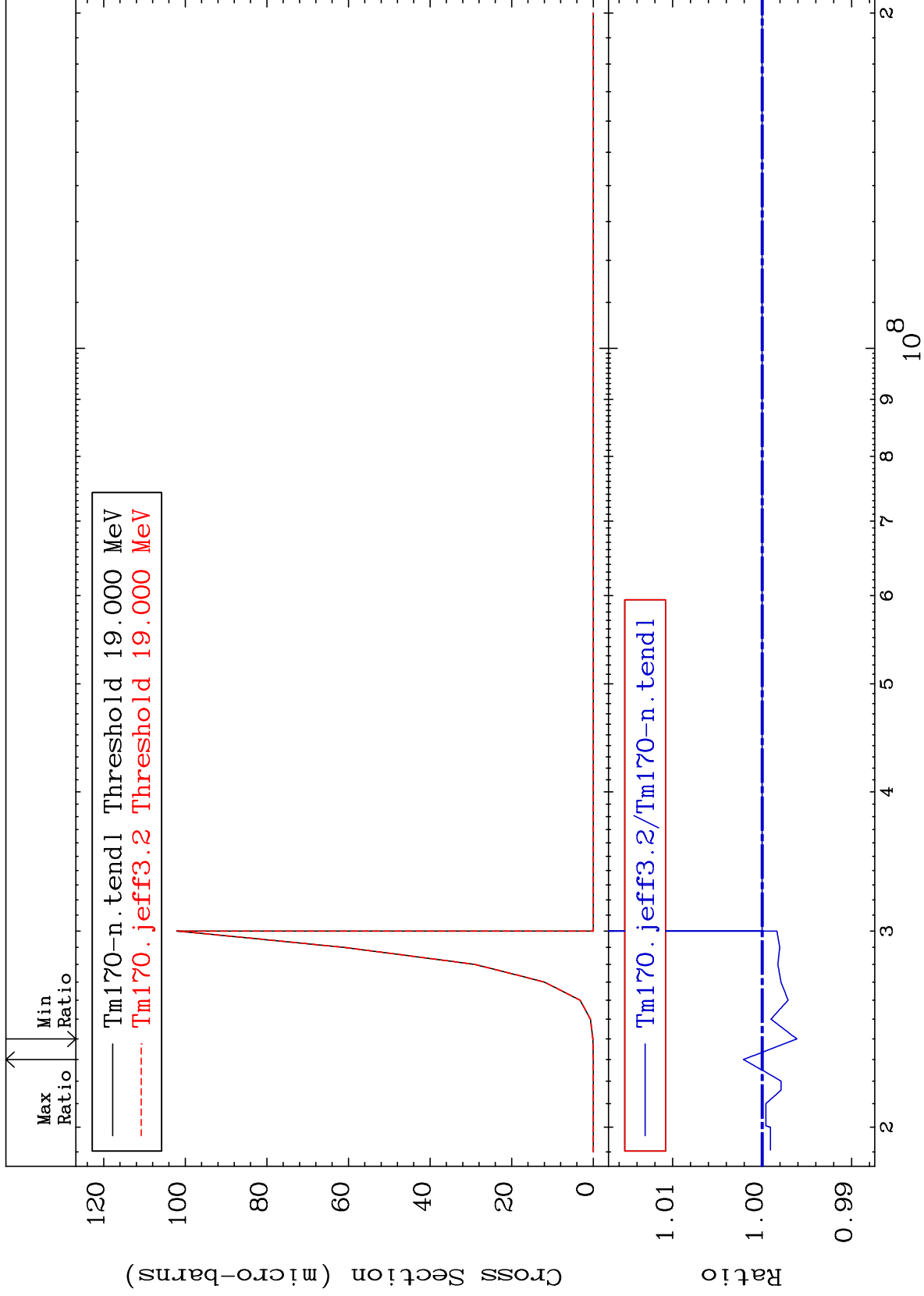


MAT 6928

(n,2n) d:68-Er-167m3

69-Tm-170

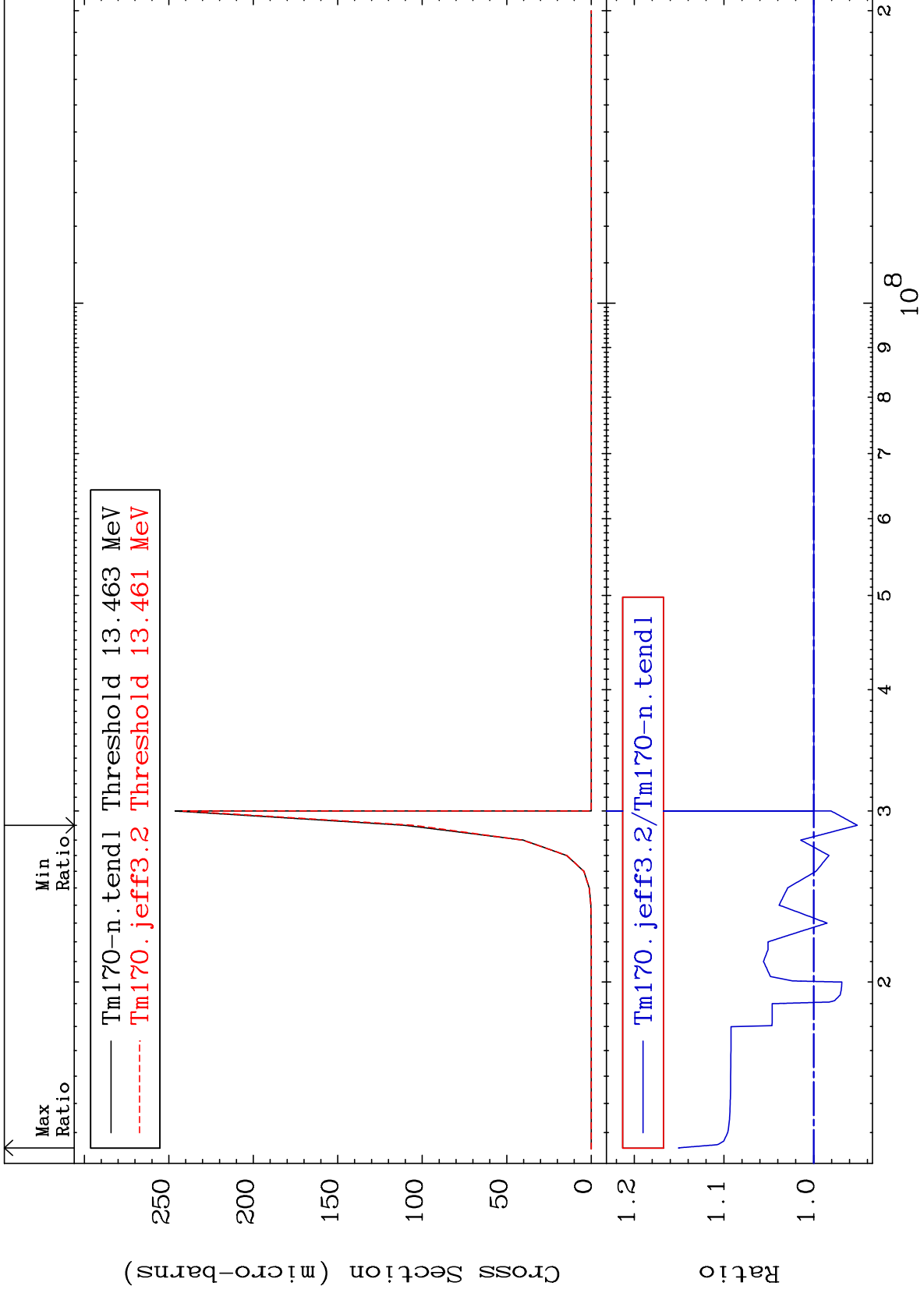
Radionuclide Production Cross Section -0.387 To 0.209 %



80

Incident Energy (eV)

69-Tm-170

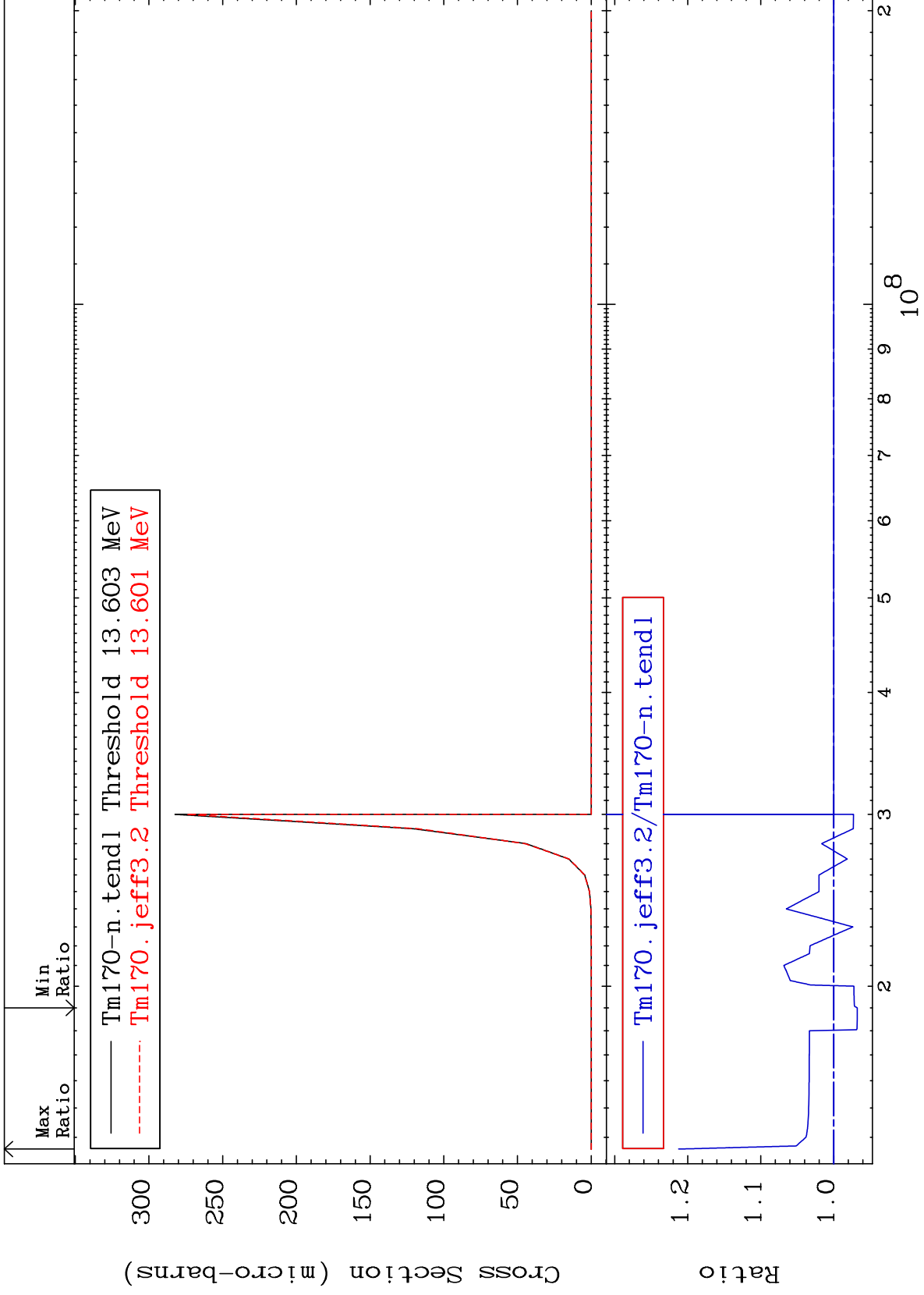


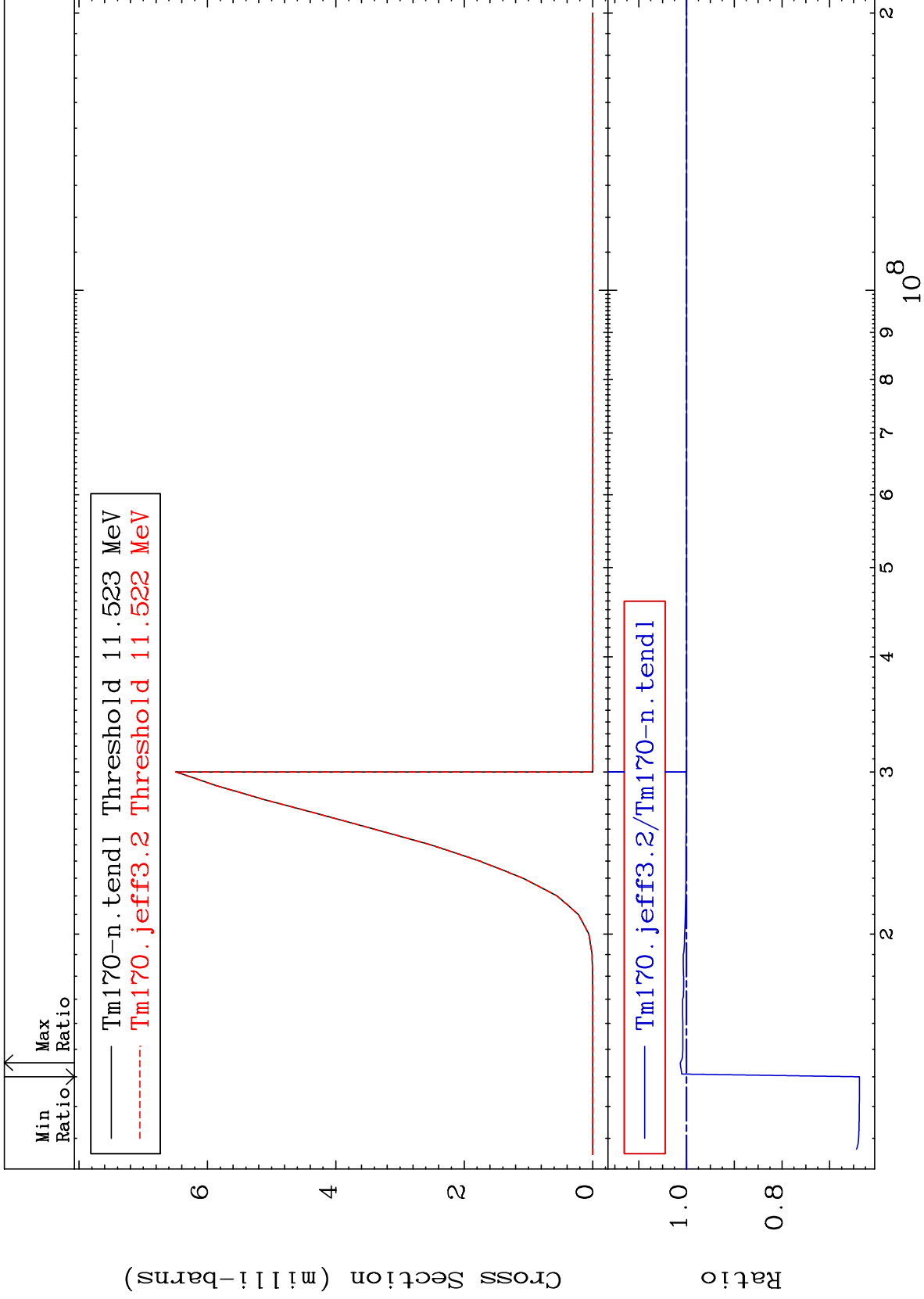
MAT 6928

(n,3n) α :67-Ho-164m3

69-Tm-170

Radionuclide Production Cross Section -3.218 To 21.24 %



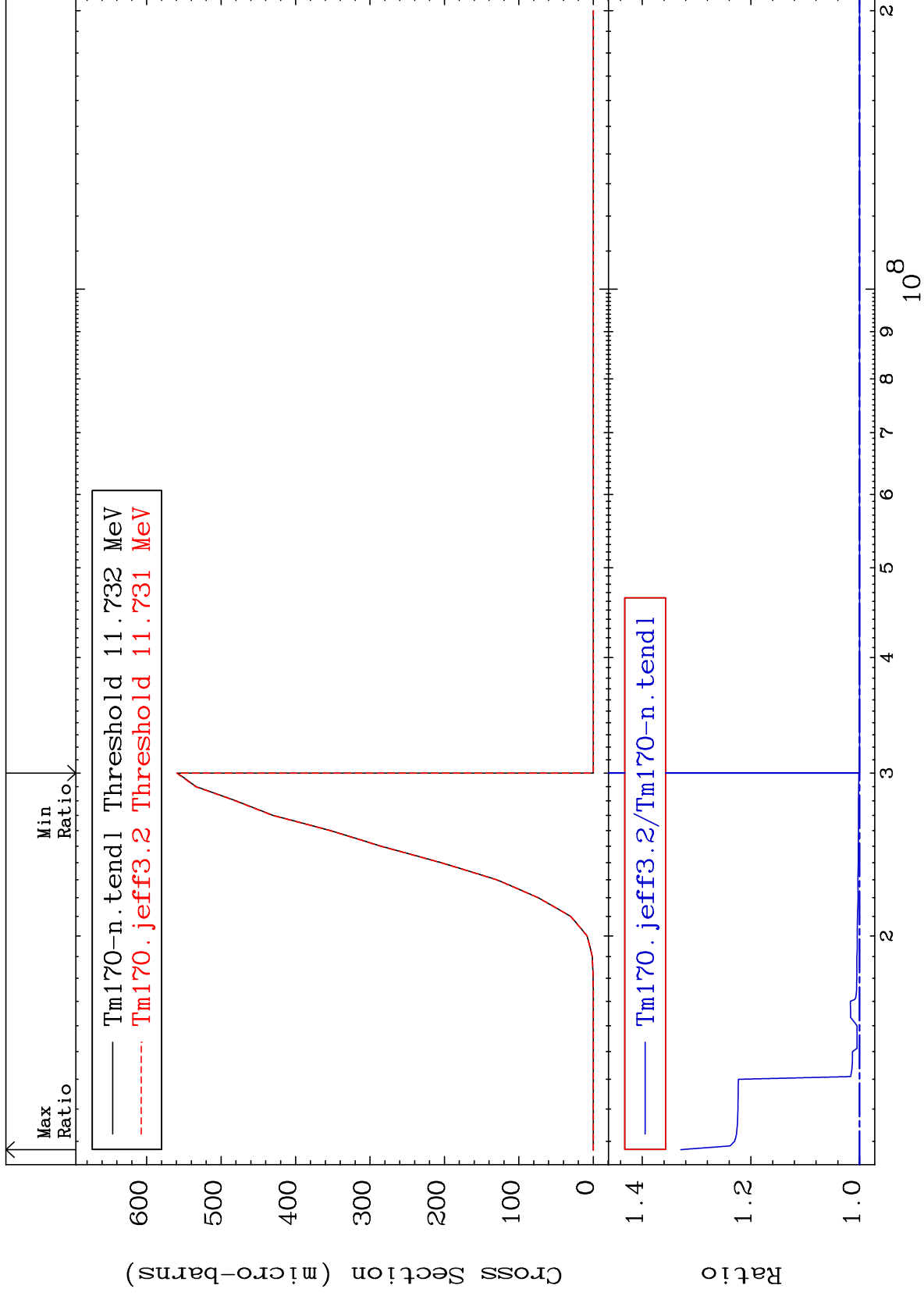


MAT 6928

(n, n') t: 68-Er-167m3

69-Tm-170

Radionuclide Production Cross Section 0.000 To 32.91 %



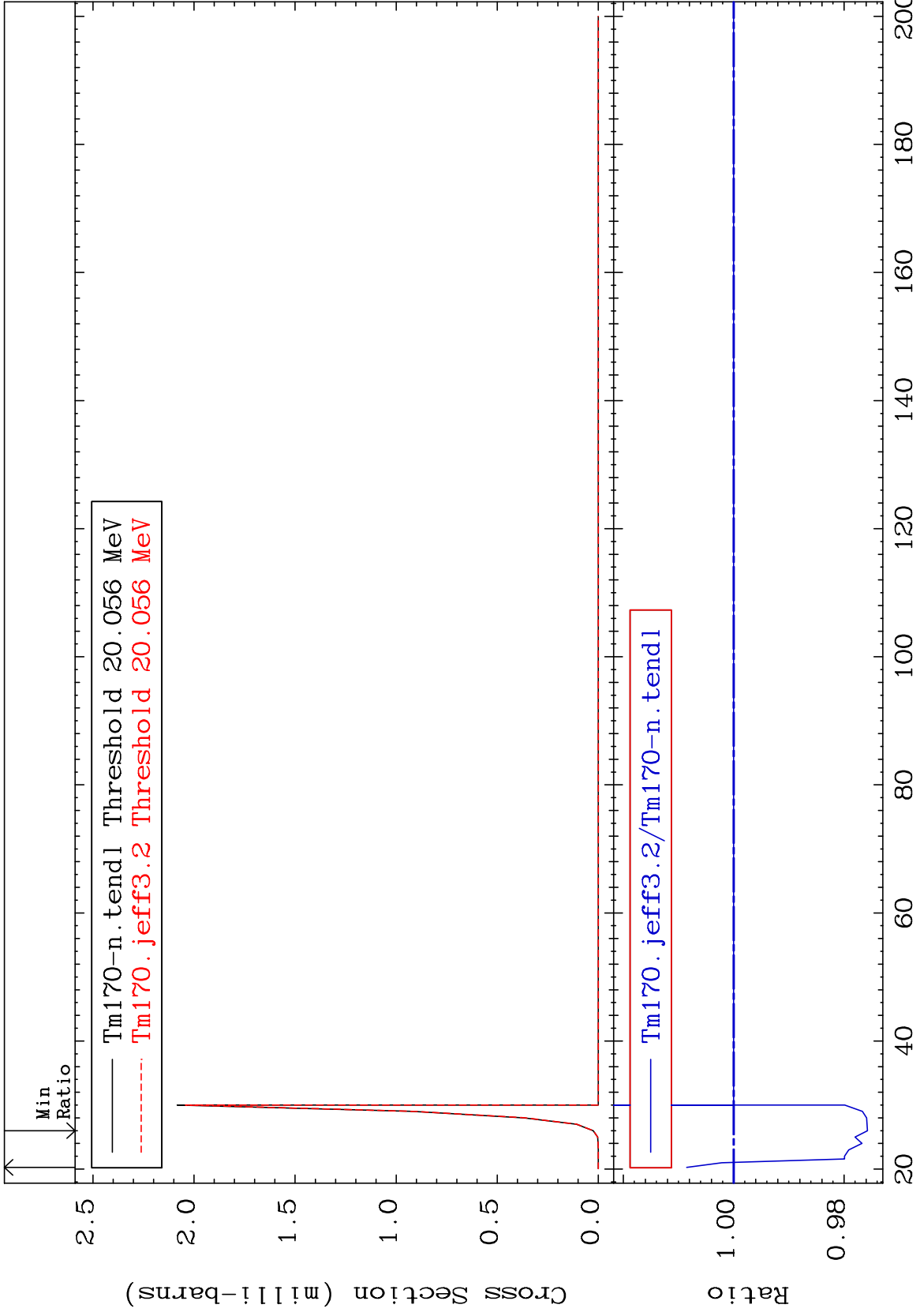
MAT 6928

(n,3n) p:68-Er-167g

69-Tm-170

Radionuclide Production Cross Section

-2.424 To 0.851 %



85

69-Tm-170

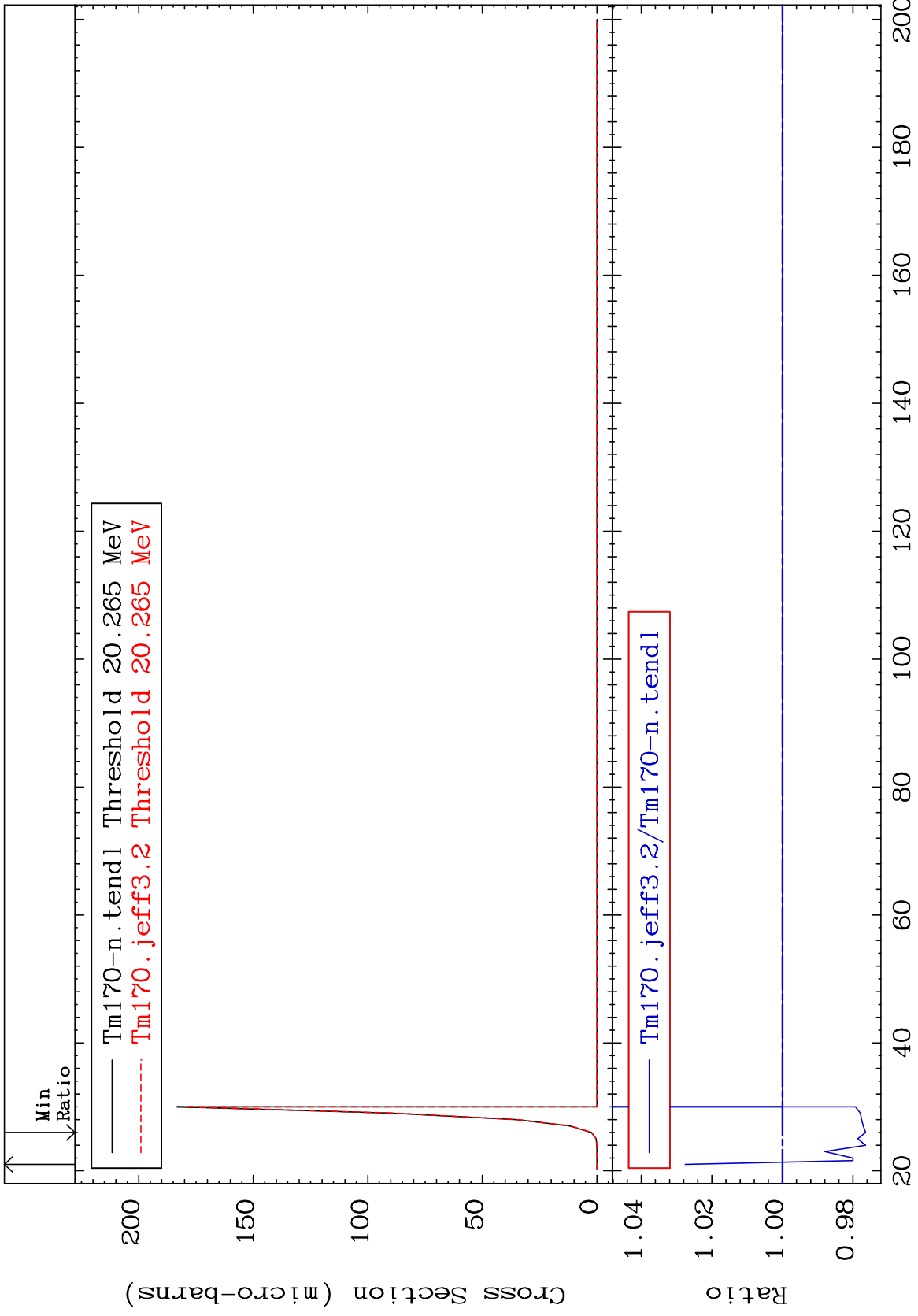
69-Tm-170

MAT 6928

(n, 3n) p:68-Er-167m3

69-Tm-170

Radionuclide Production Cross Section -2.356 To 2.755 %



MAT 6928

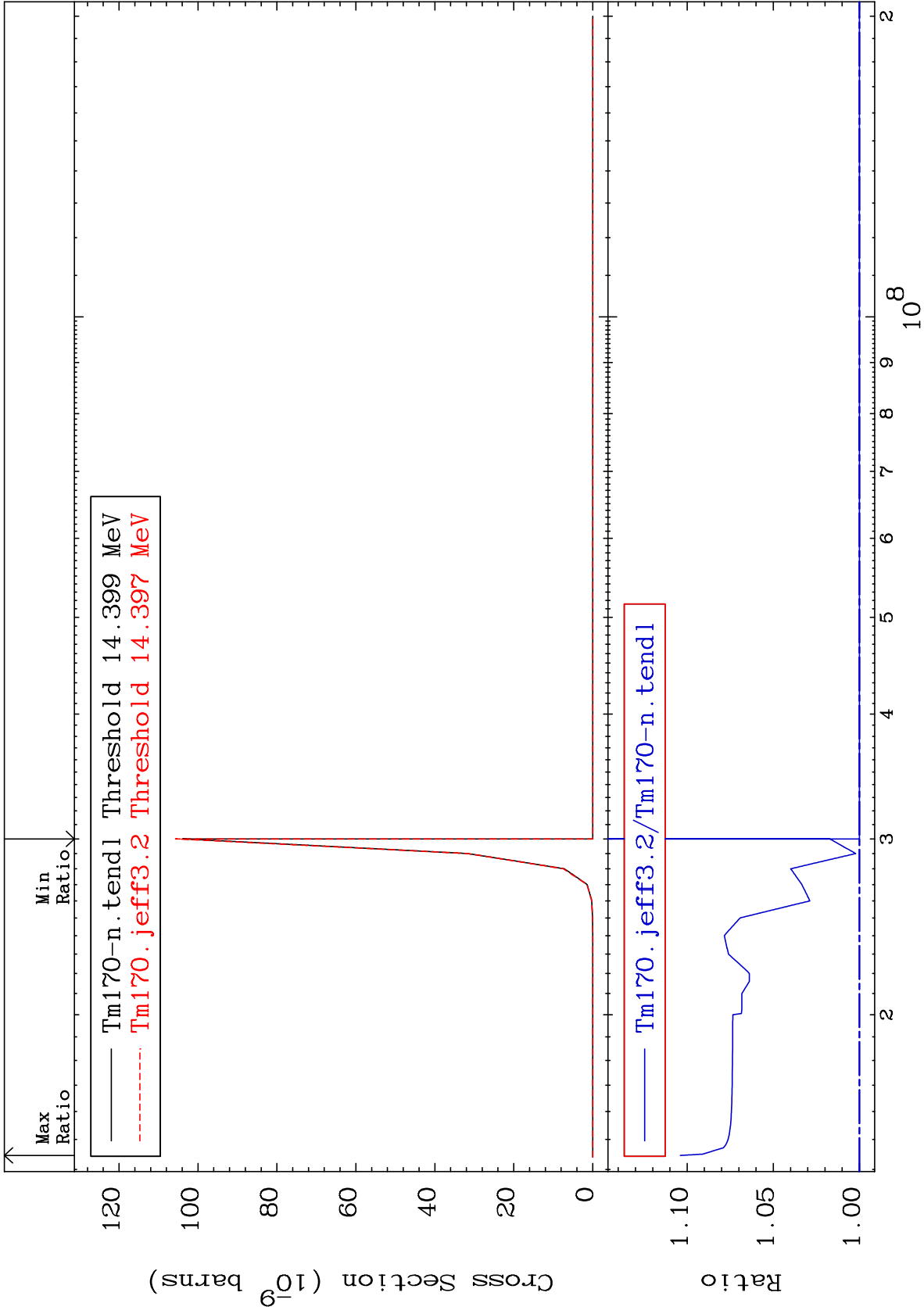
(n,2n) p:67-Ho-168g

69-Tm-170
To 10.39 %

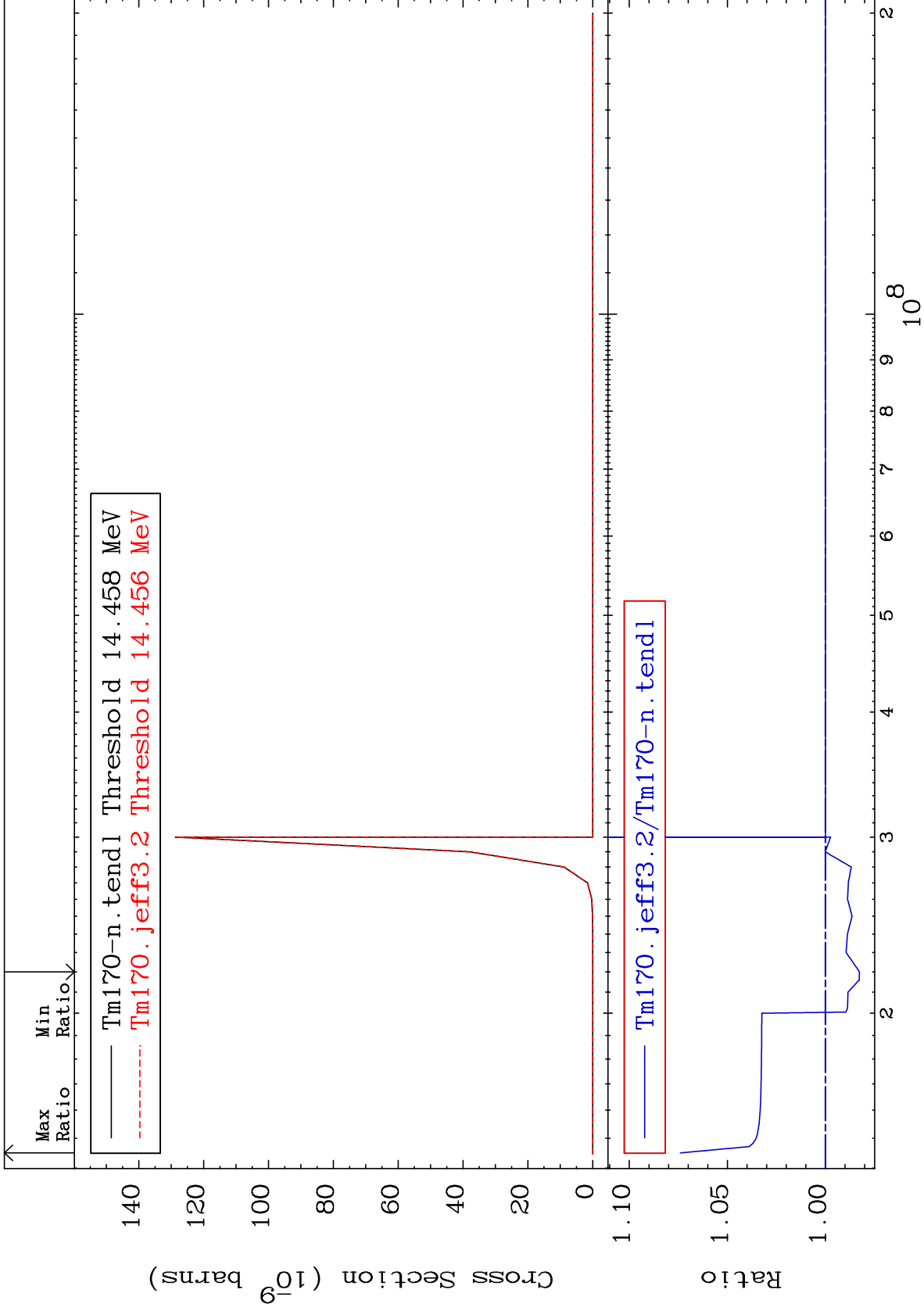
Radionuclide Production Cross Section

0.000

To 10.39 %

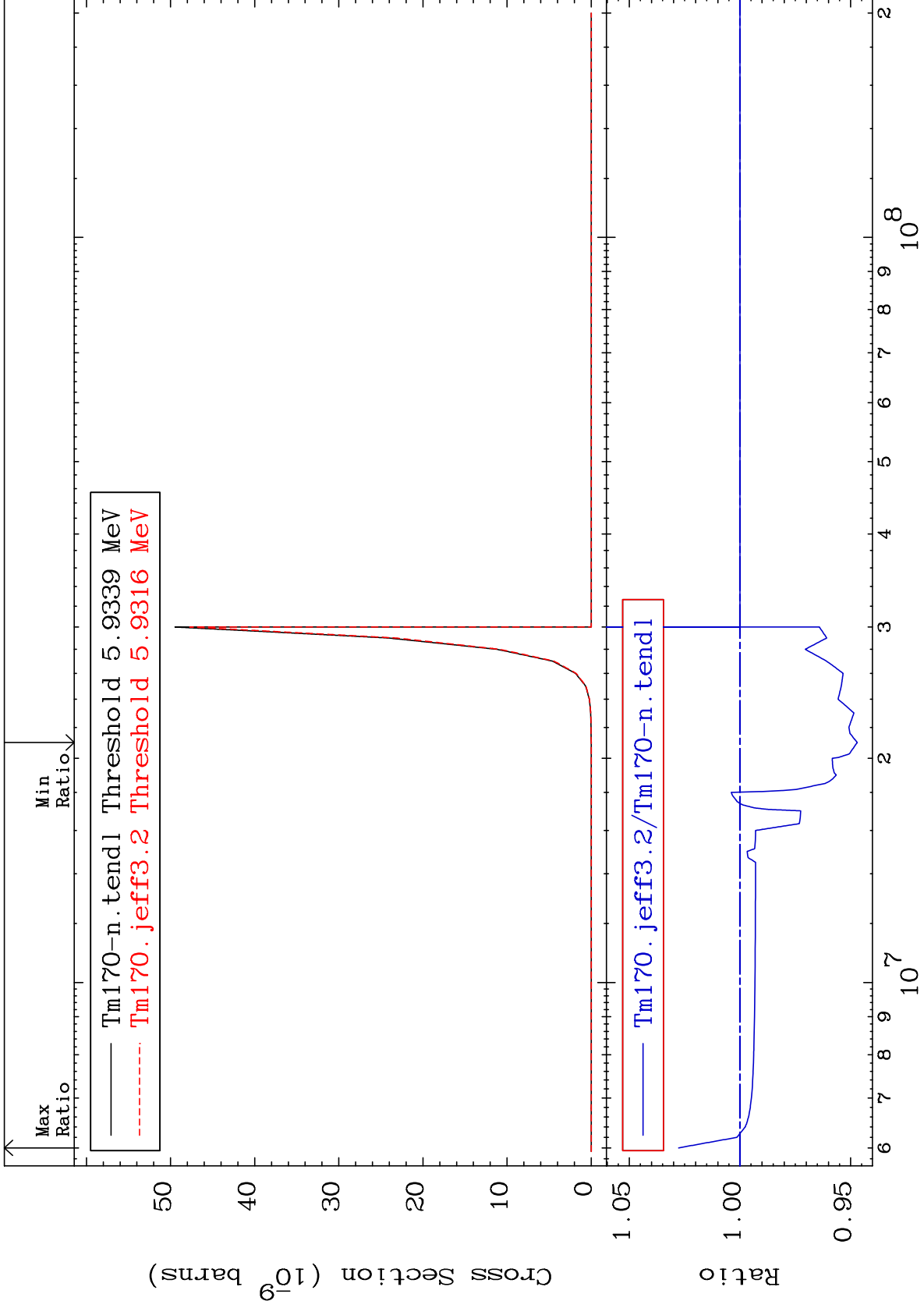


Radionuclide Production Cross Section -1.733 To 7.398 %



MAT 6928

(n, n') p α : 66-Dy-165g 69-Tm-170
Radionuclide Production Cross Section -5.302 To 2.772 %



89

Incident Energy (eV)

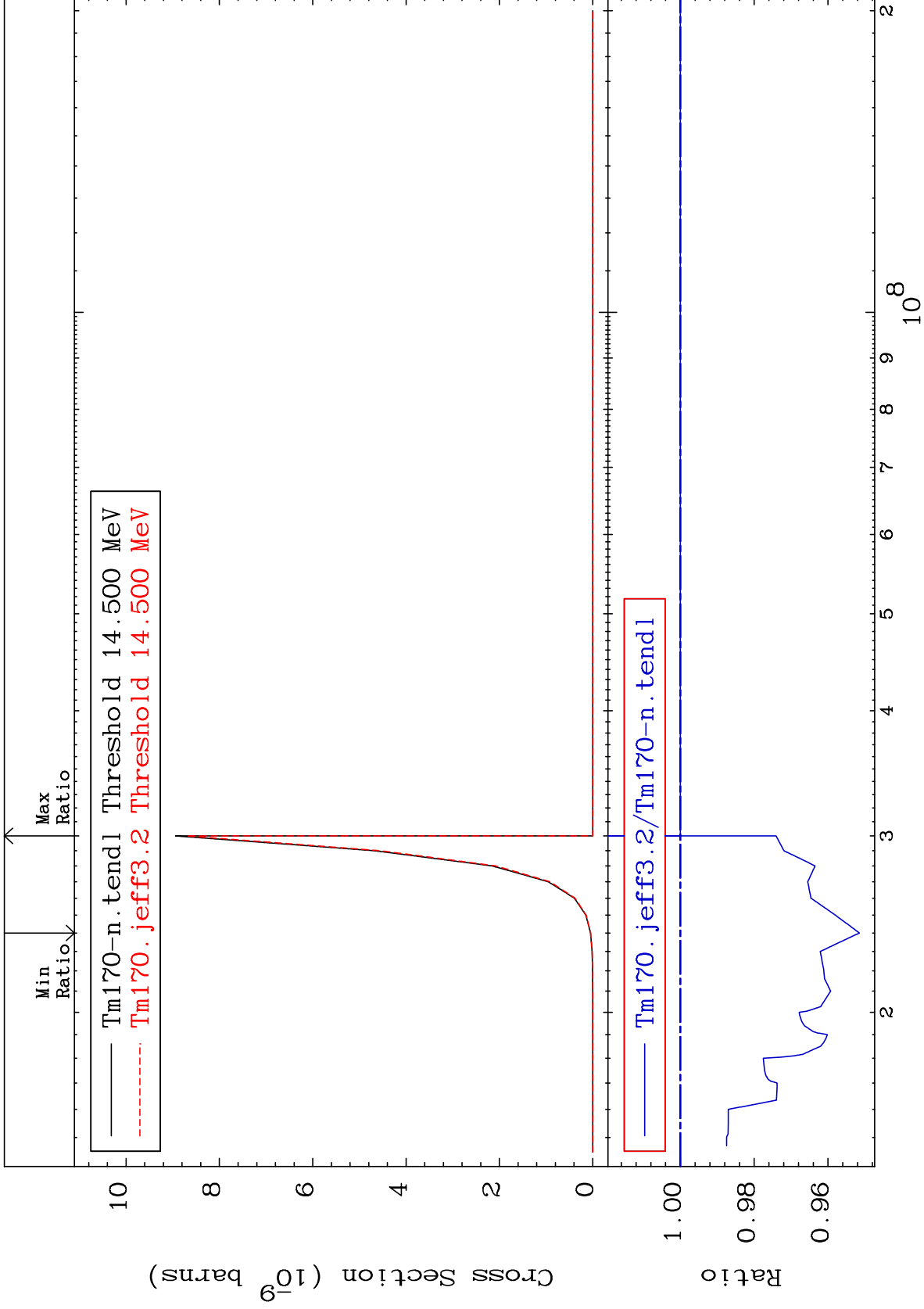
69-Tm-170

MAT 6928

(n, n') p α :66-Dy-165m2

69-Tm-170

Radionuclide Production Cross Section -4.850 To 0.000 %



90

Incident Energy (eV)

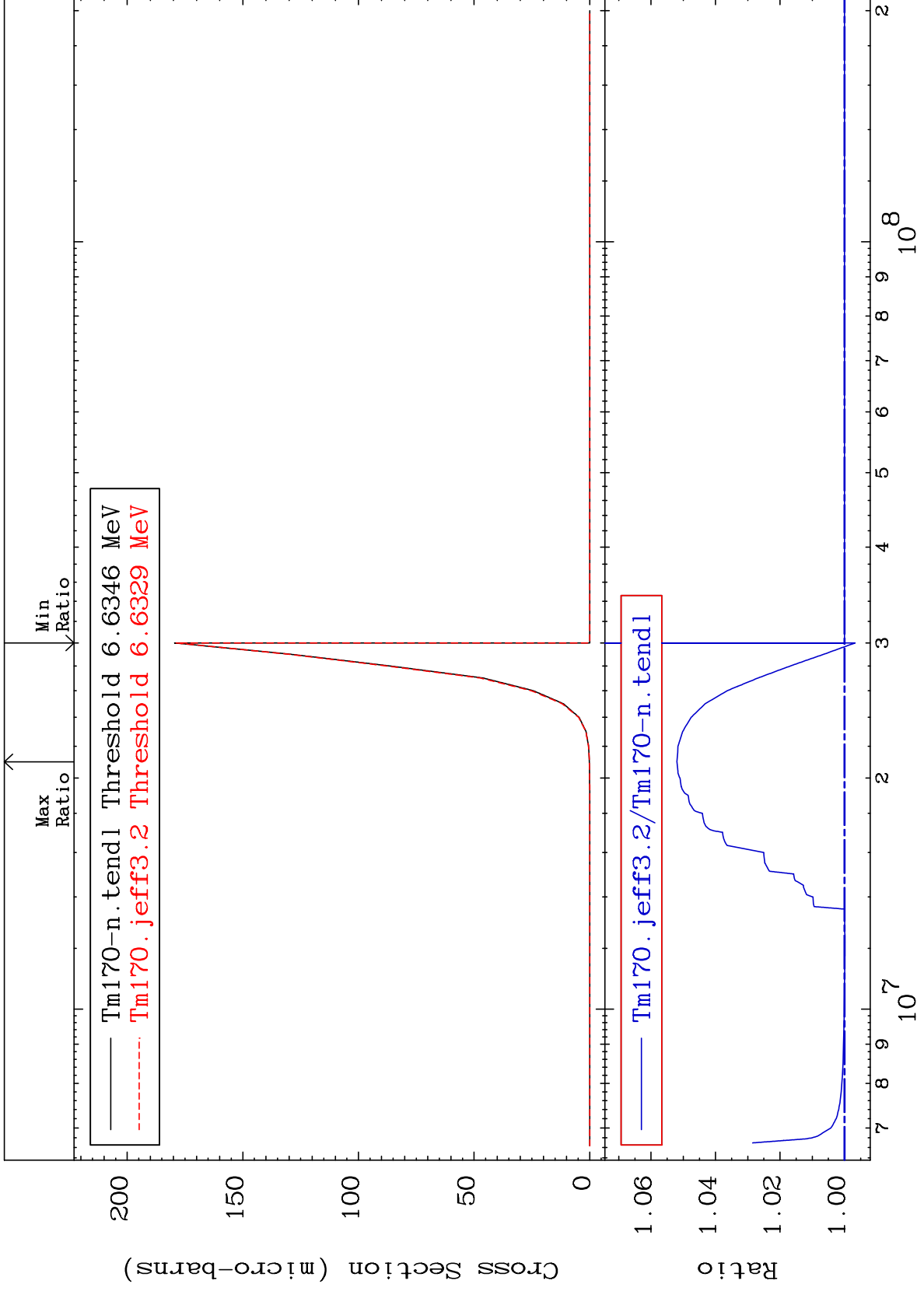
69-Tm-170

MAT 6928

(n, He-3) : 67-Ho-168g

69-Tm-170

Radionuclide Production Cross Section -0.328 To 5.197 %



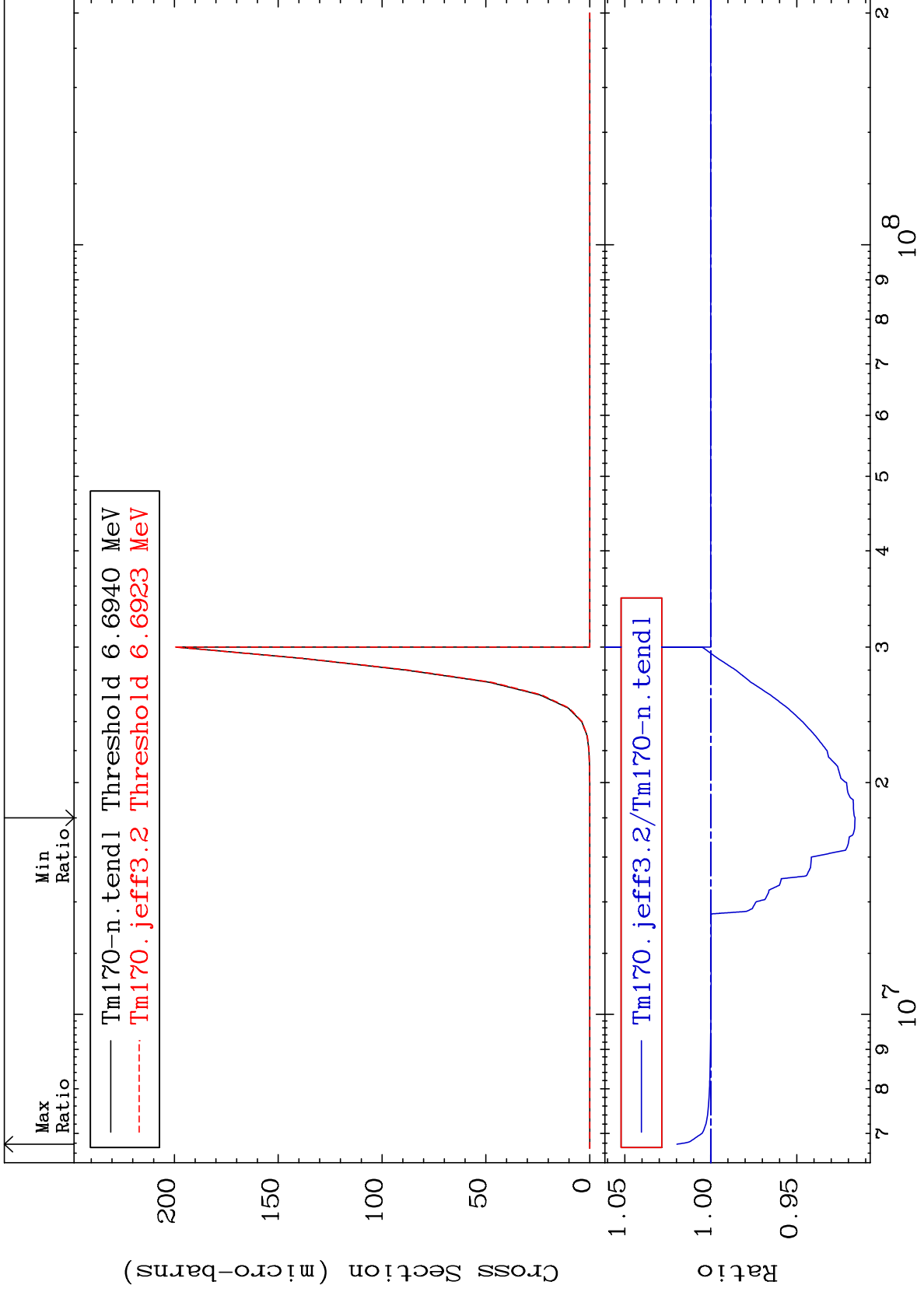
MAT 6928

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

69-Tm-170

Radionuclide Production Cross Section

-8.389 To 1.969 %



92

Incident Energy (eV)

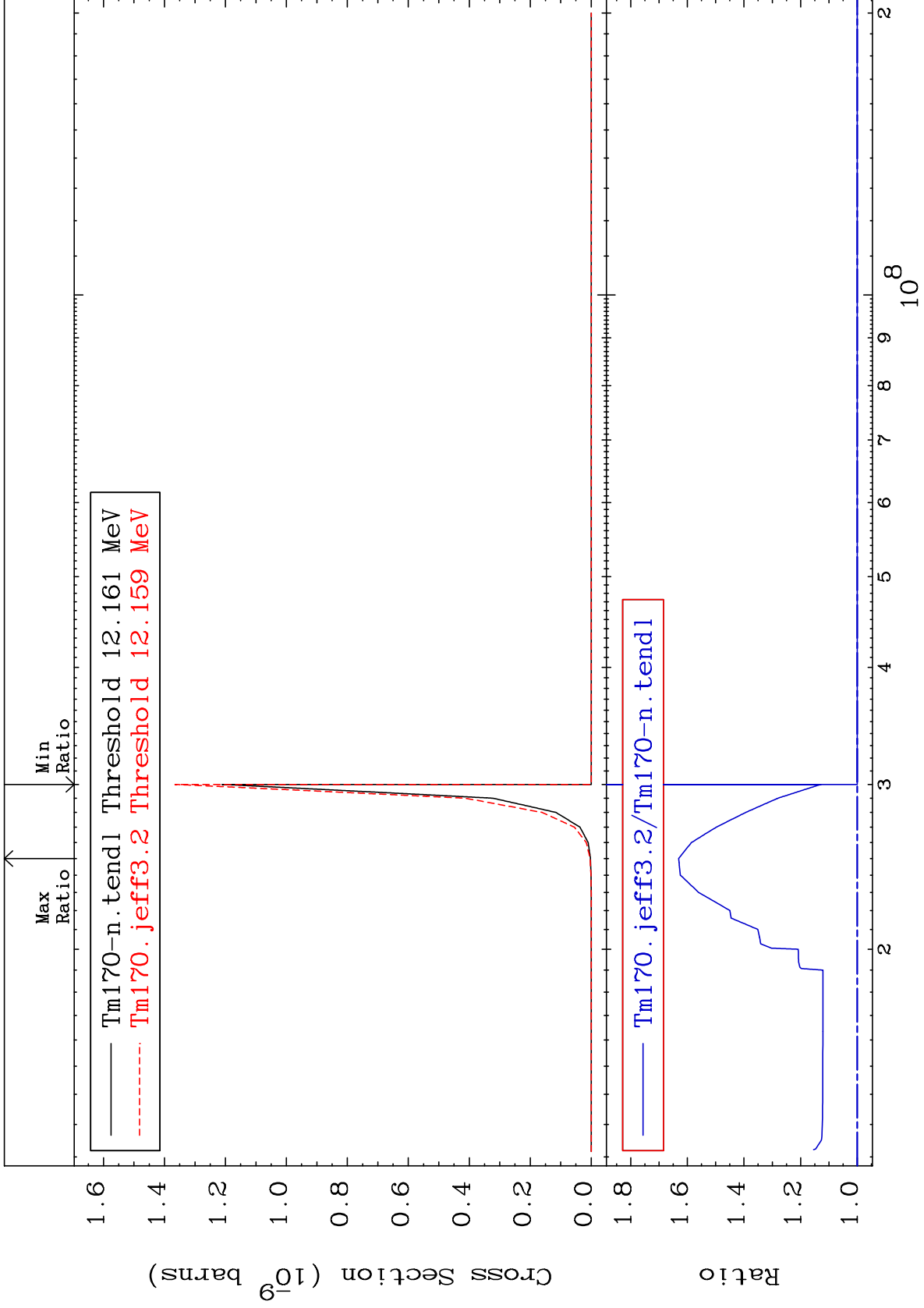
69-Tm-170

MAT 6928

(n, p) d:67-Ho-168g

69-Tm-170
To 63.07 %

Radionuclide Production Cross Section 0.000

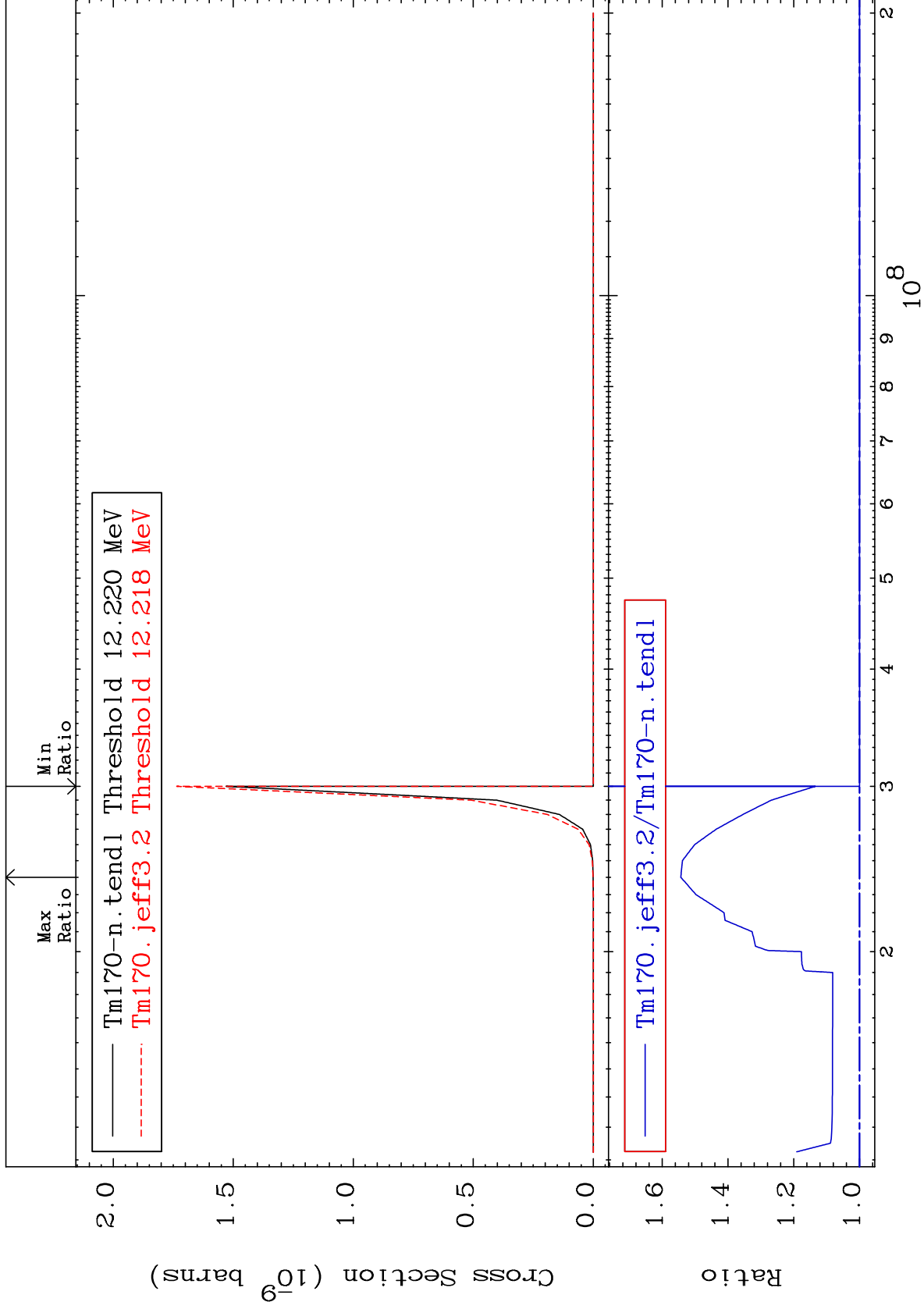


MAT 6928

(n, p) d:67-Ho-168m1

69-Tm-170

Radionuclide Production Cross Section 0.000 To 54.36 %

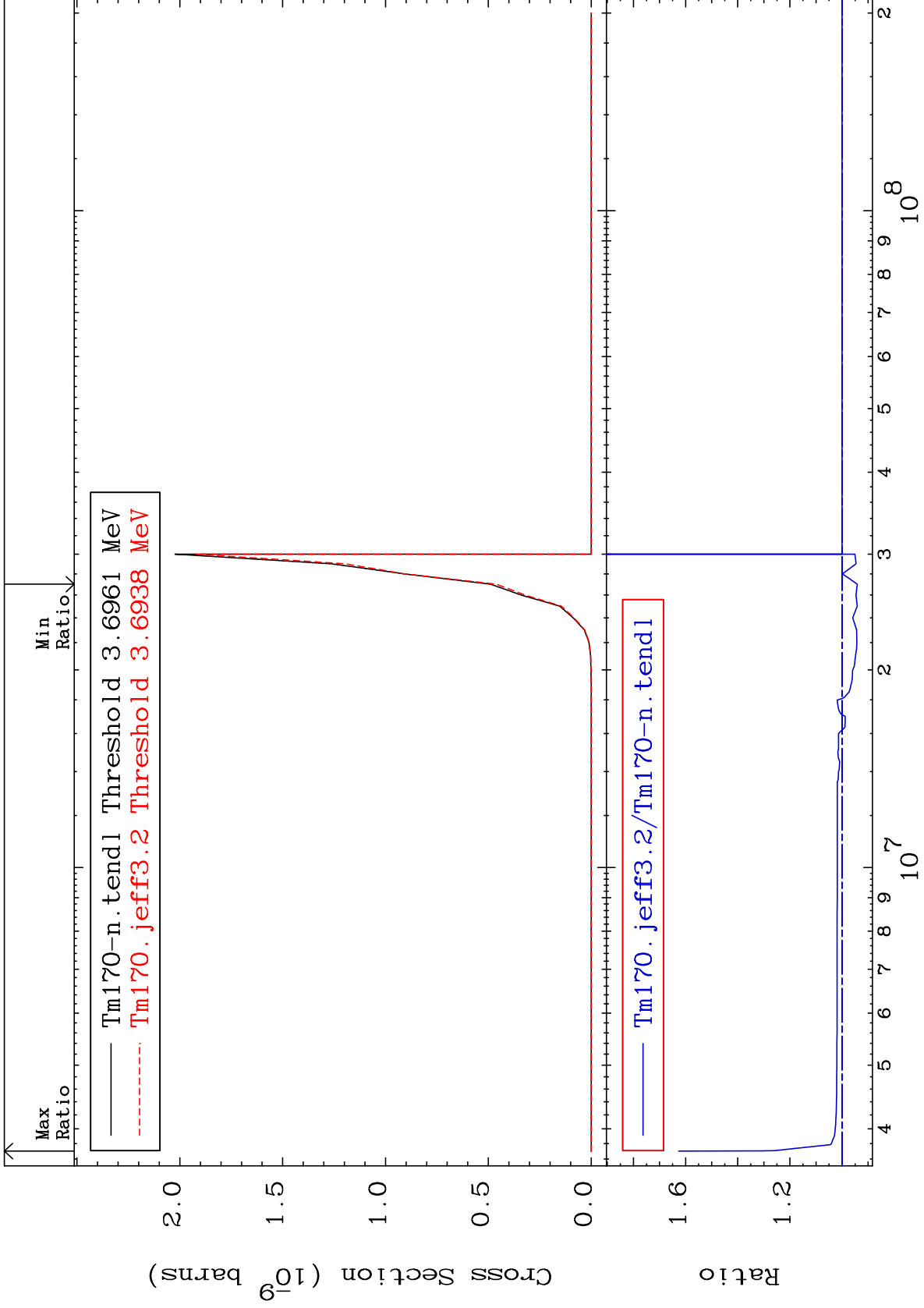


MAT 6928

(n, d) α : 66-Dy-165g

69-Tm-170

Radionuclide Production Cross Section -5.821 To 62.66 %



MAT 6928

(n,d) α :66-Dy-165m2

69-Tm-170

Radionuclide Production Cross Section -4.554 To 0.886 %

