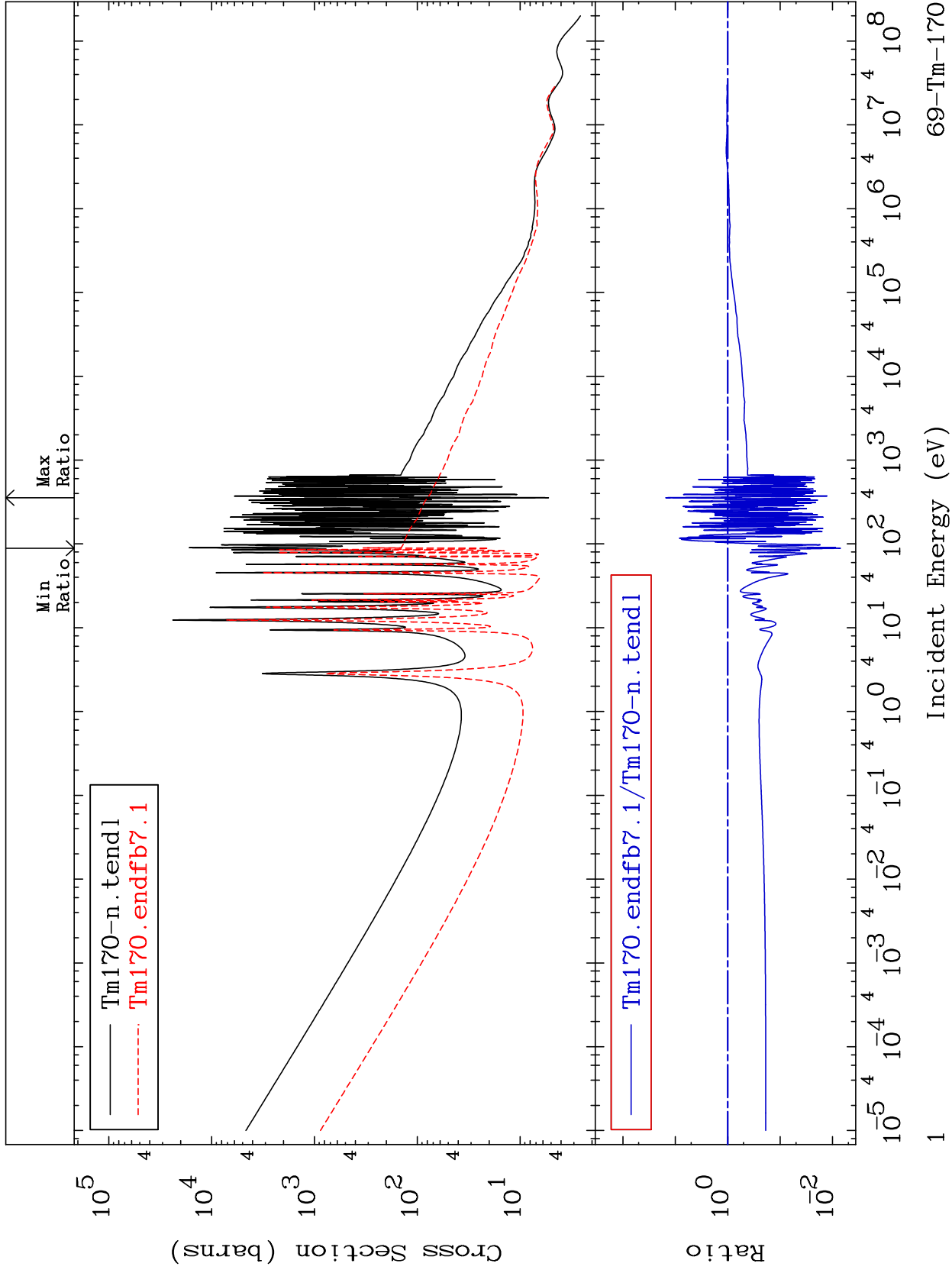


MAT 6928

Total Cross Section
69-Tm-170
-99.30 To 1406. %



69-Tm-170

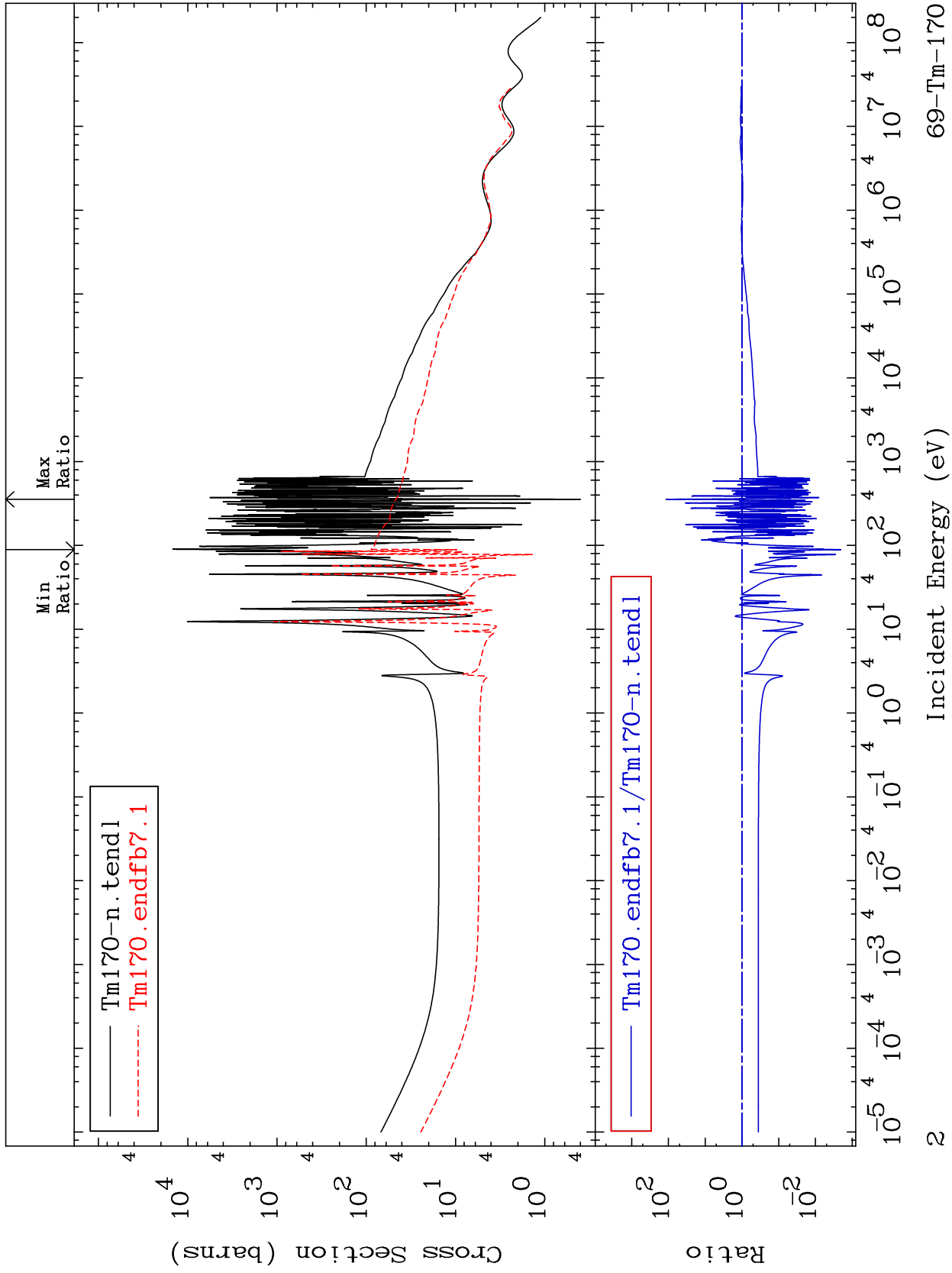
MAT 6928

Elastic

69-Tm-170

Cross Section

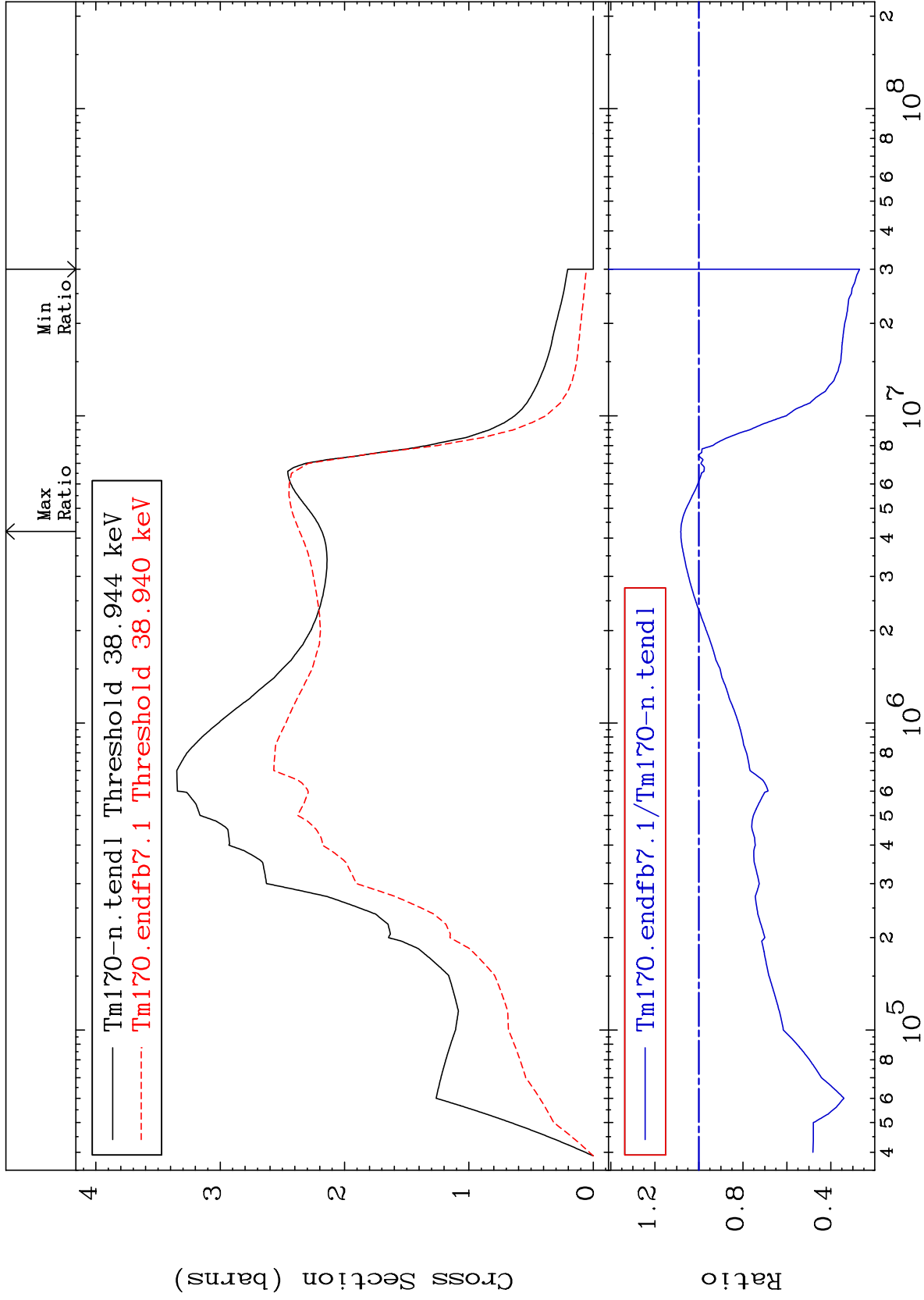
-99.80 To 9999. %



69-Tm-170

MAT 6928

Inelastic Cross Section
69-Tm-170
-73.03 To 8.228 %



3

69-Tm-170

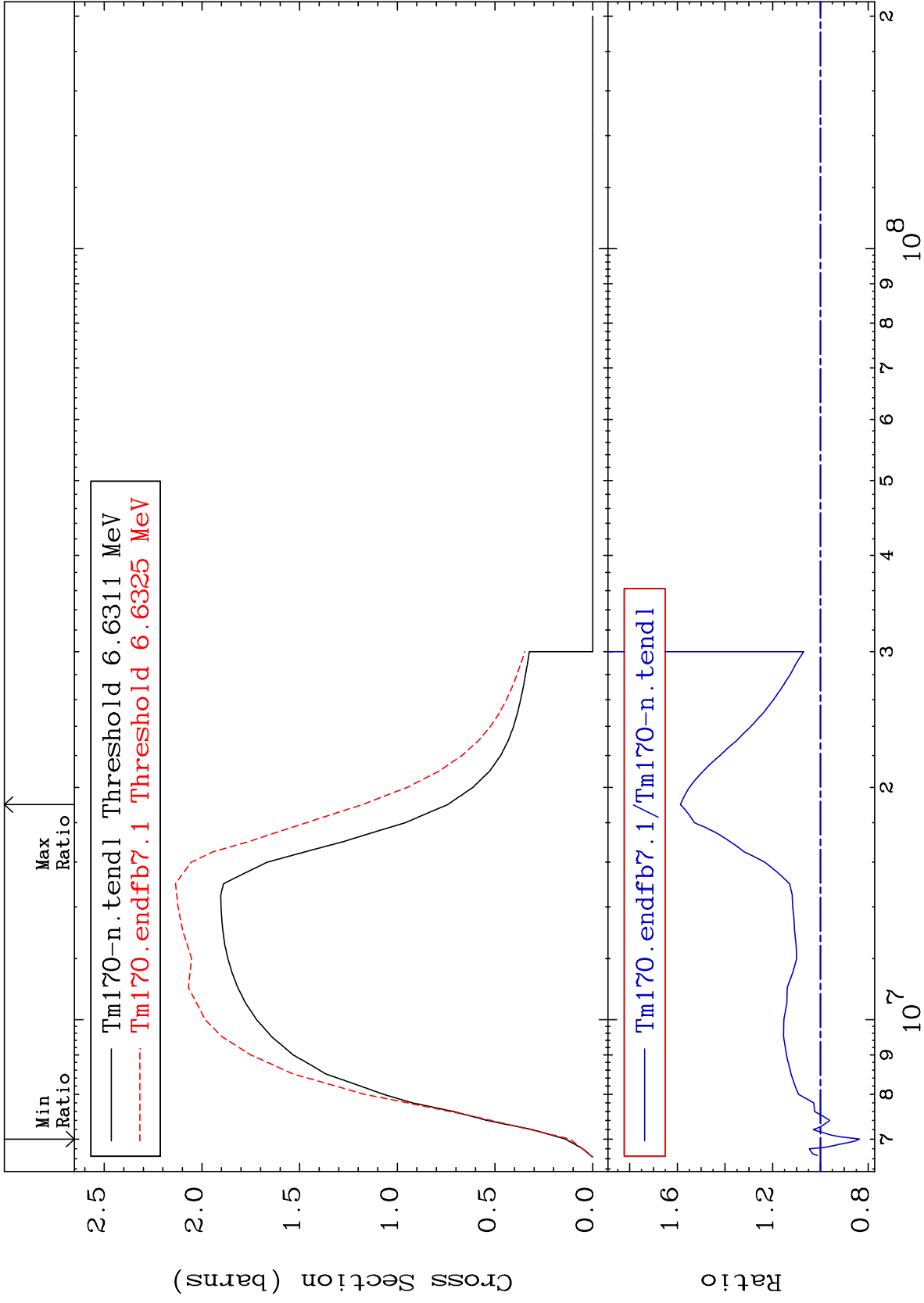
MAT 6928

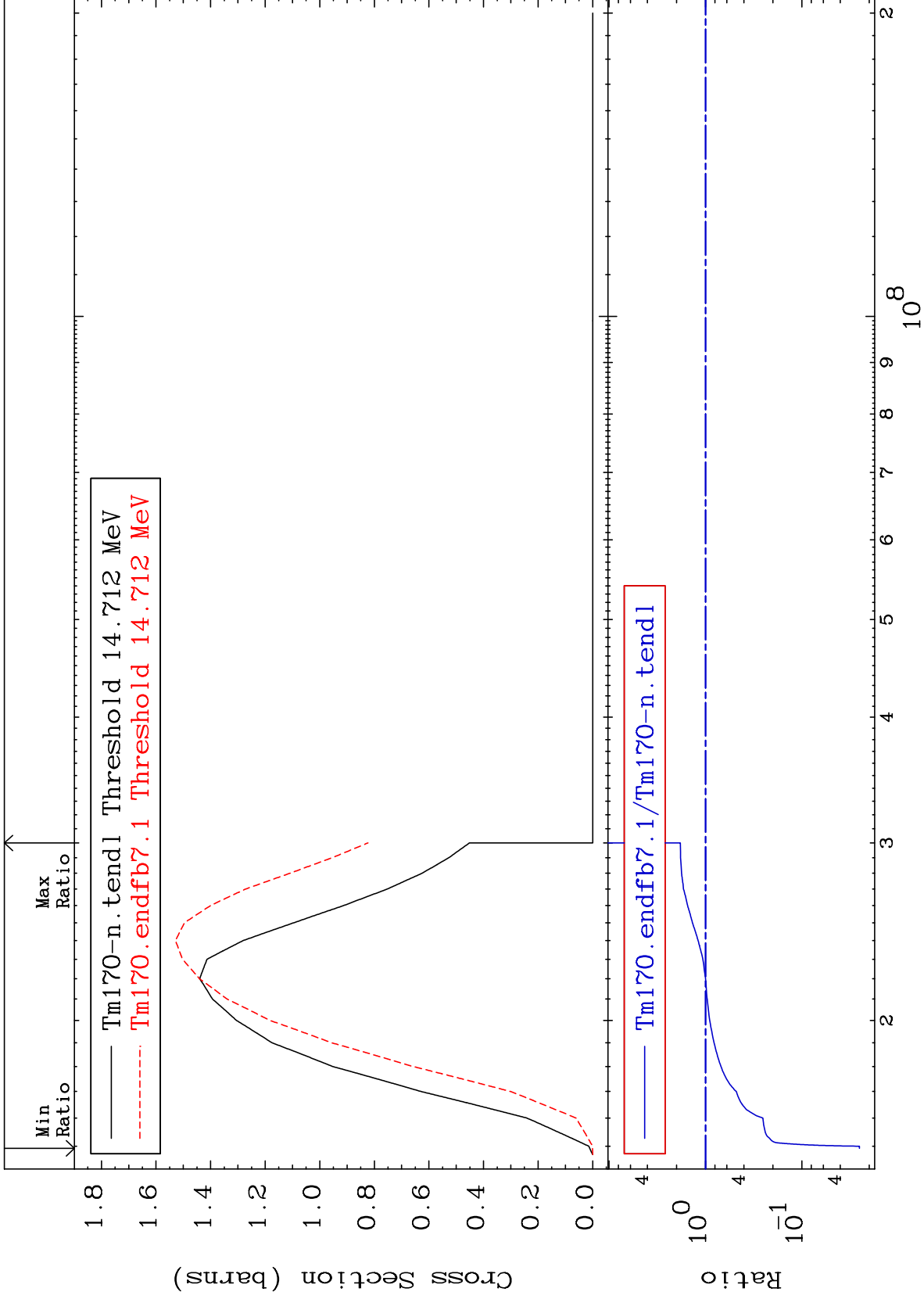
(n,2n)

69-Tm-170

Cross Section

-16.34 To 58.72 %

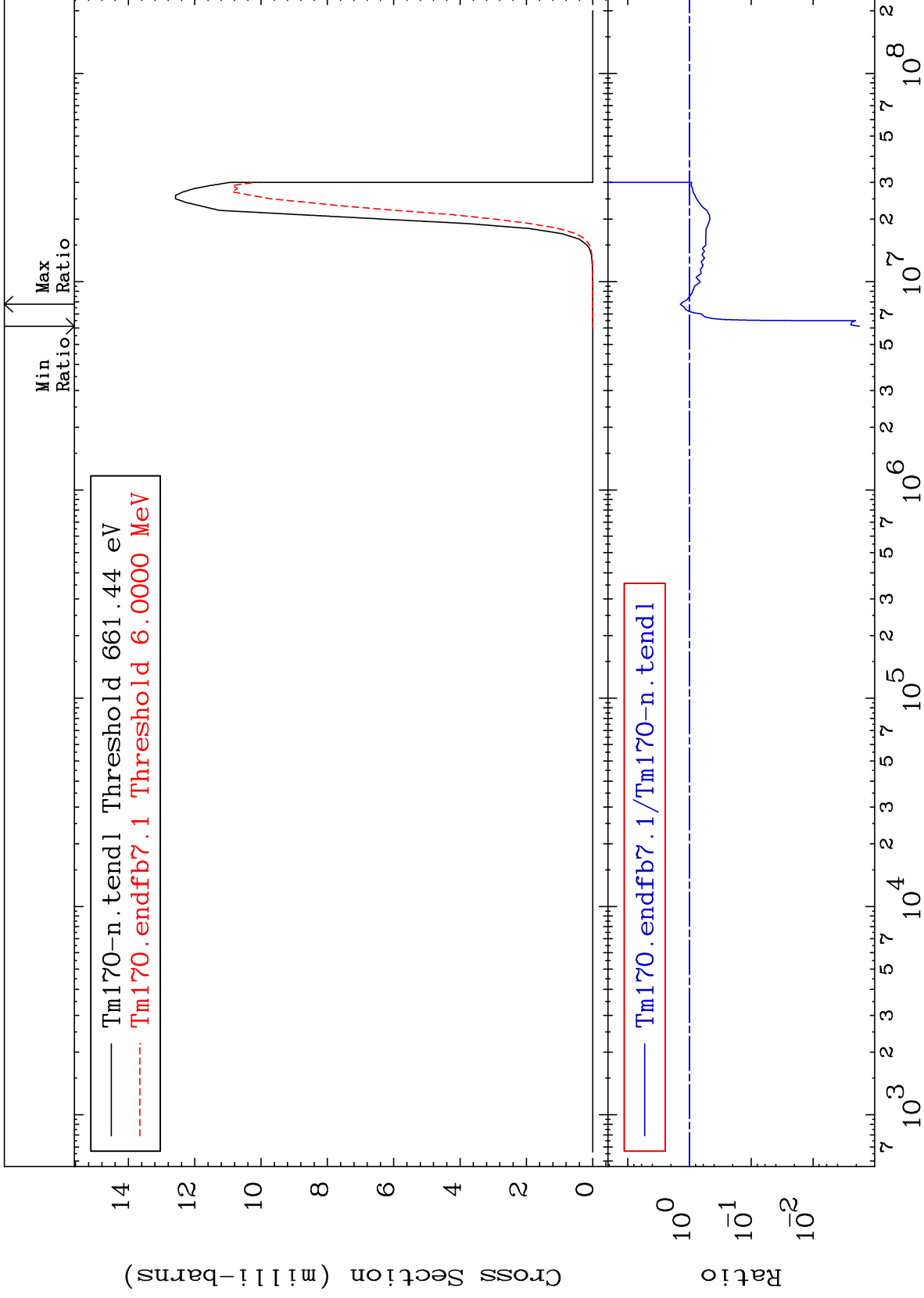




MAT 6928

(n, n') α
Cross Section

69-Tm-170
-99.82 To 40.93 %



6

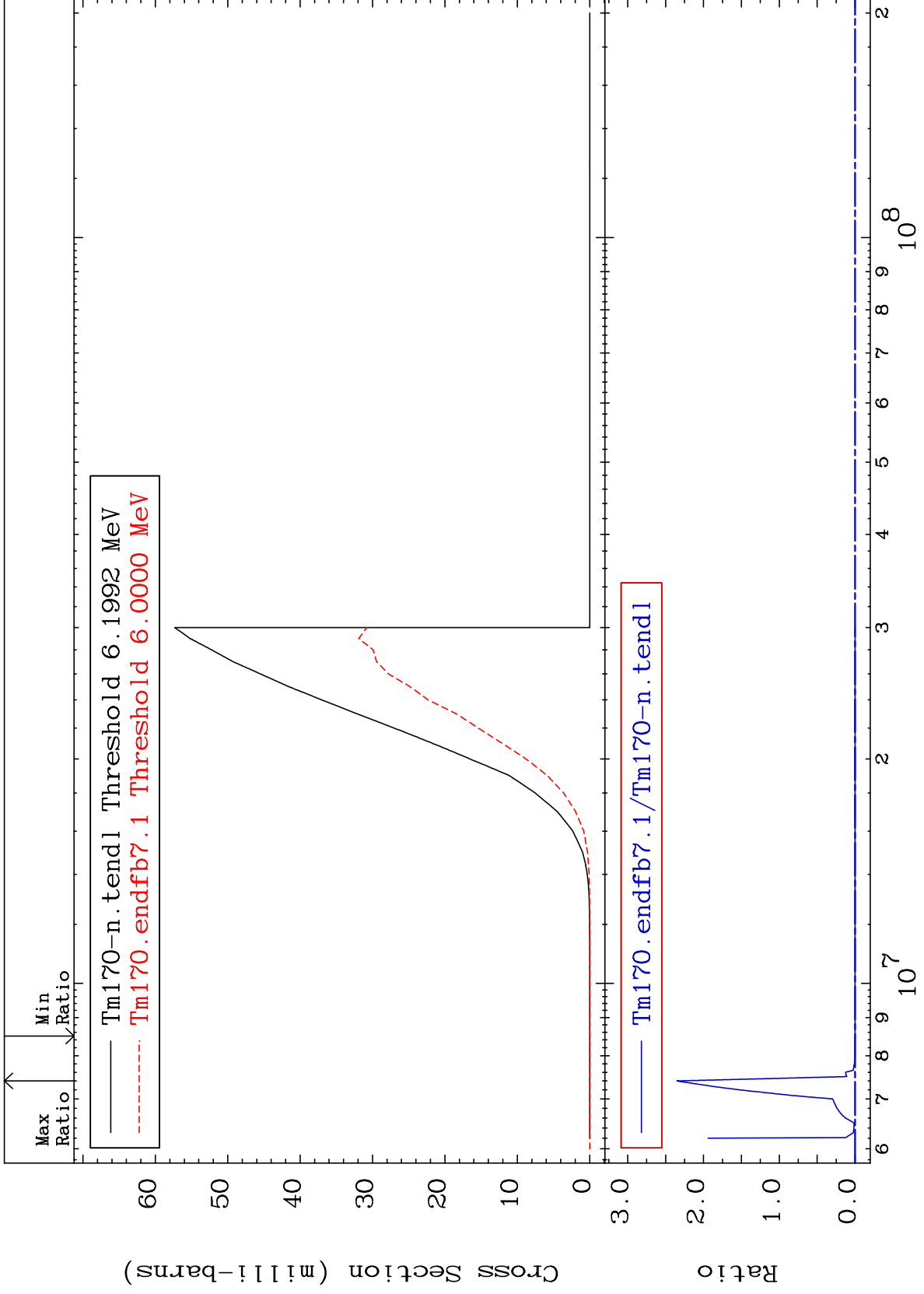
Incident Energy (eV)

69-Tm-170

MAT 6928

(n, n') p
Cross Section

69-Tm-170
-100.0 To 9999. %



7

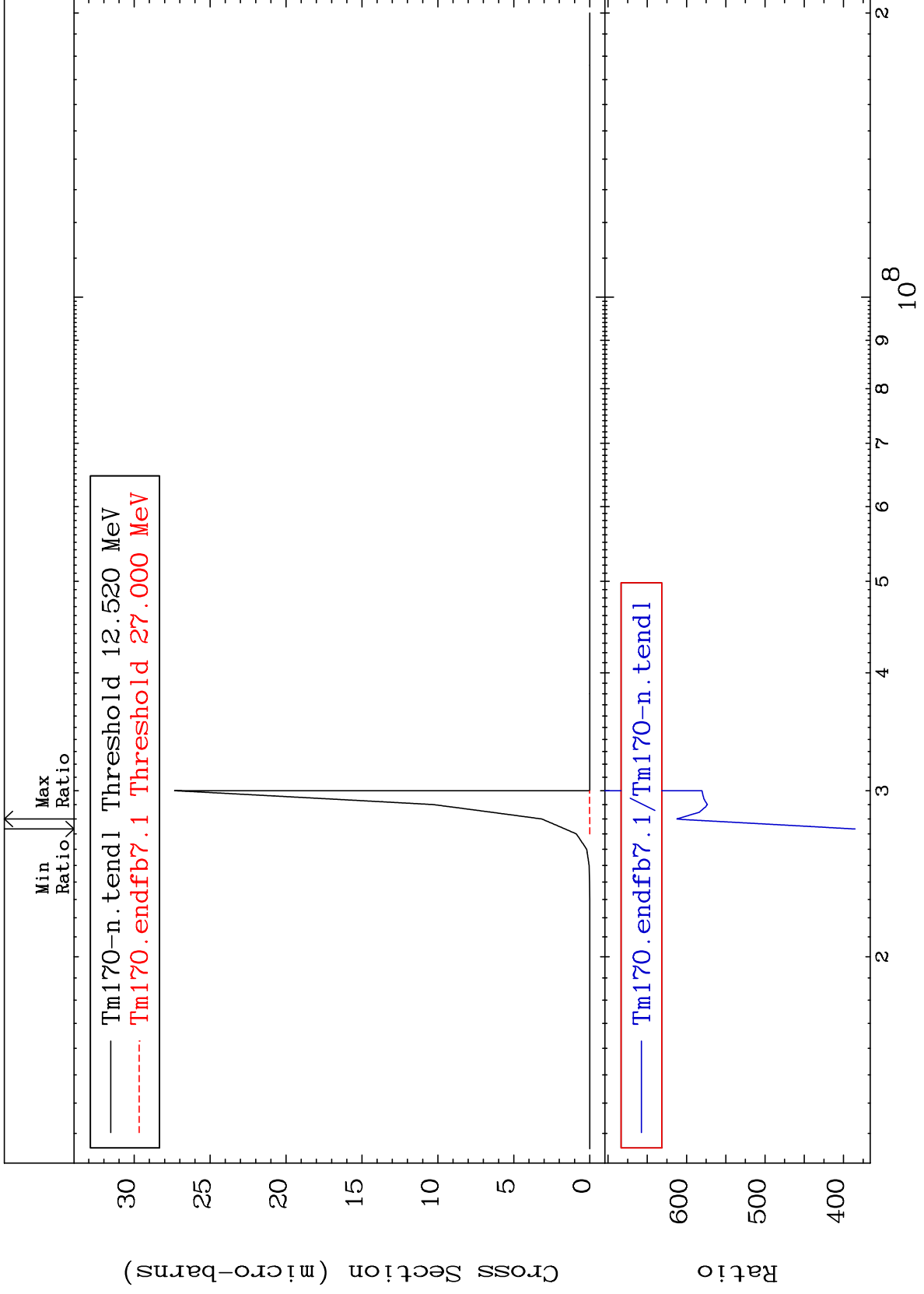
69-Tm-170

69-Tm-170

MAT 6928

(n, n') He-3
Cross Section

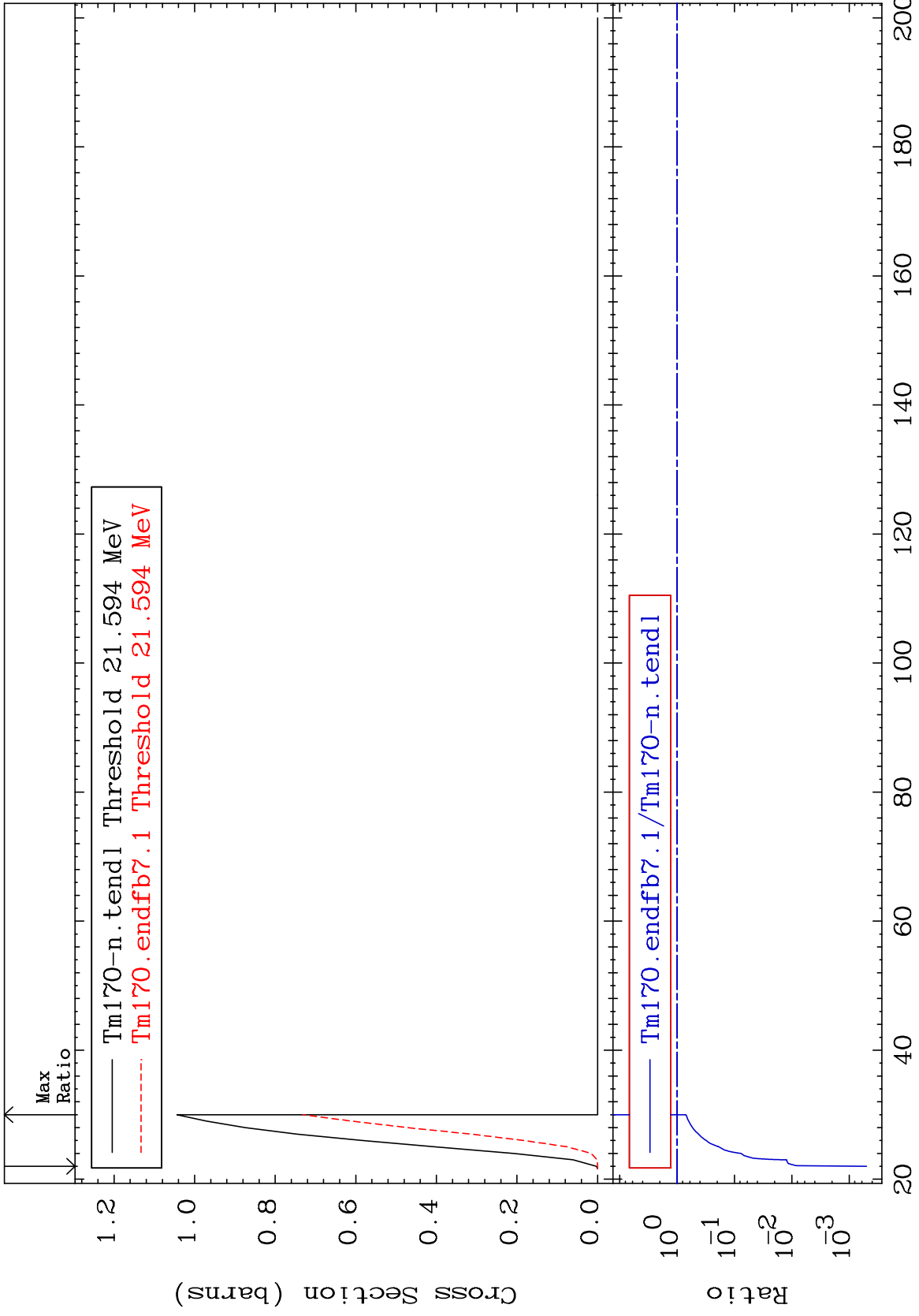
69-Tm-170
-99.96 To -99.94%



MAT 6928

(n,4n)
Cross Section

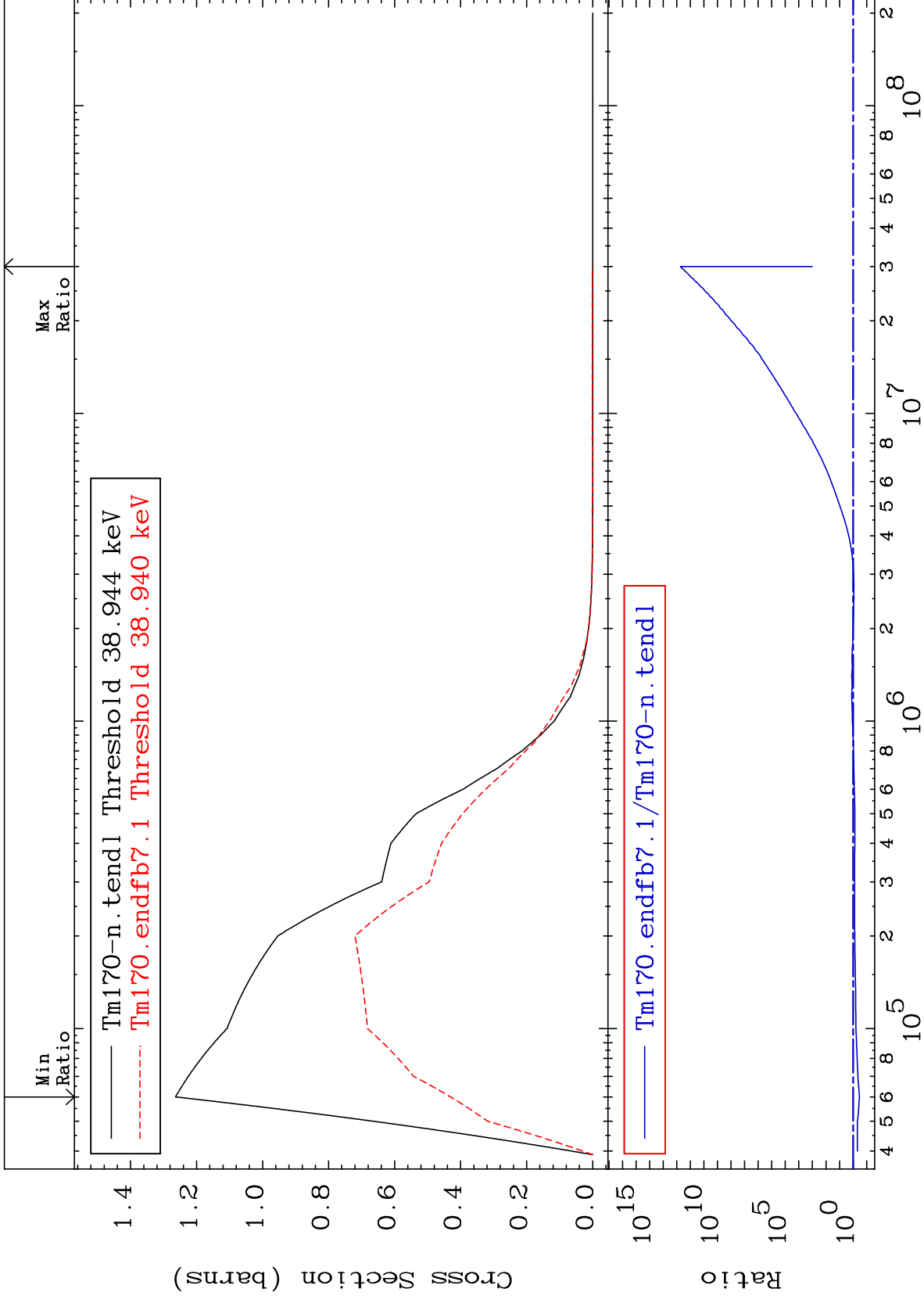
69-Tm-170
-99.95 To -29.95%



MAT 6928

38.71 keV (n,n') Level
Cross Section

69-Tm-170
-65.93 To 9999. %



10

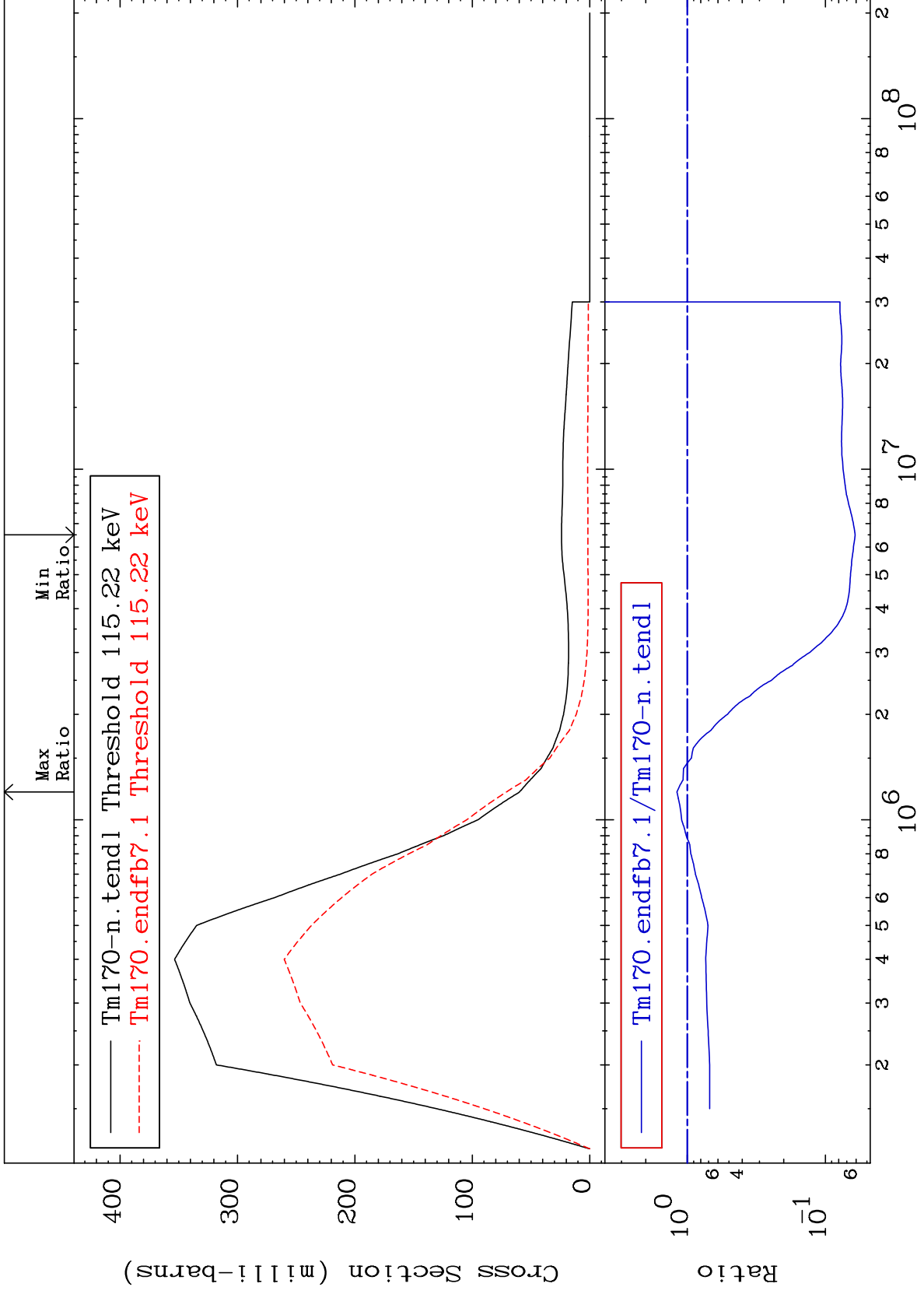
Incident Energy (eV)

69-Tm-170

MAT 6928

114.5 keV (n,n') Level
Cross Section

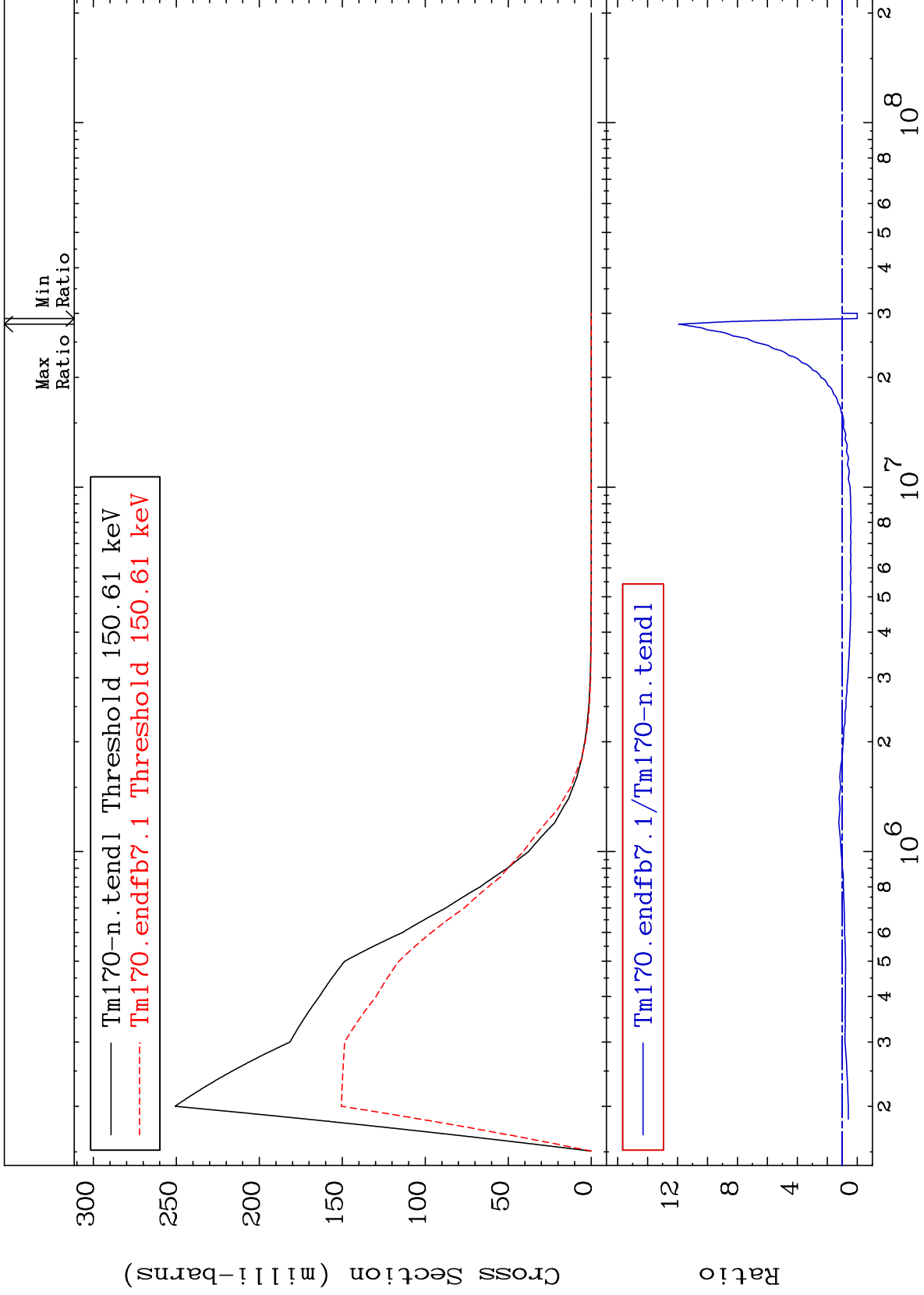
69-Tm-170
-93.91 To 18.87 %



MAT 6928

149.7 keV (n,n') Level
Cross Section

69-Tm-170
-100.0 To 1093. %



12

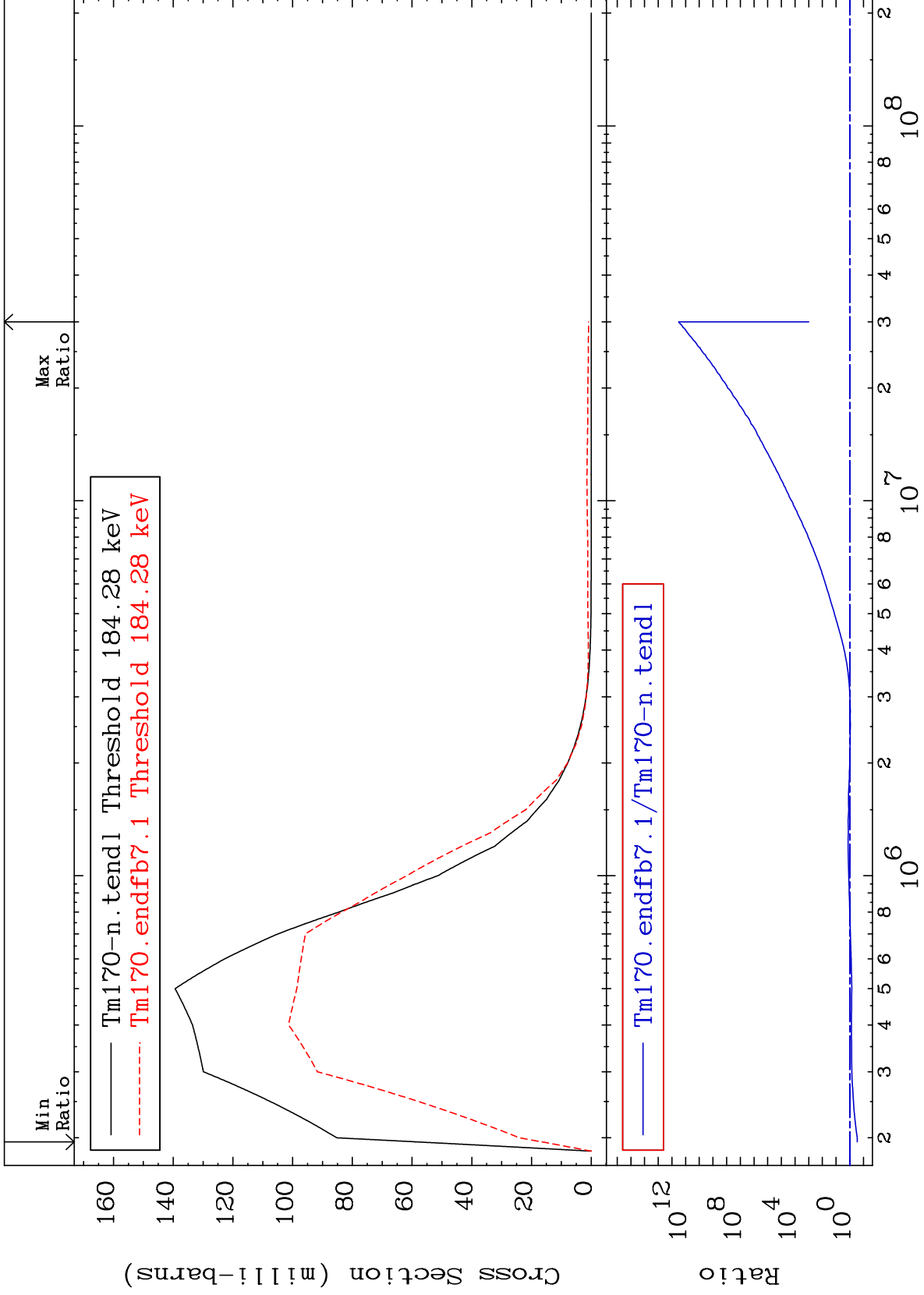
Incident Energy (eV)

69-Tm-170

MAT 6928

183.2 keV (n,n') Level
Cross Section

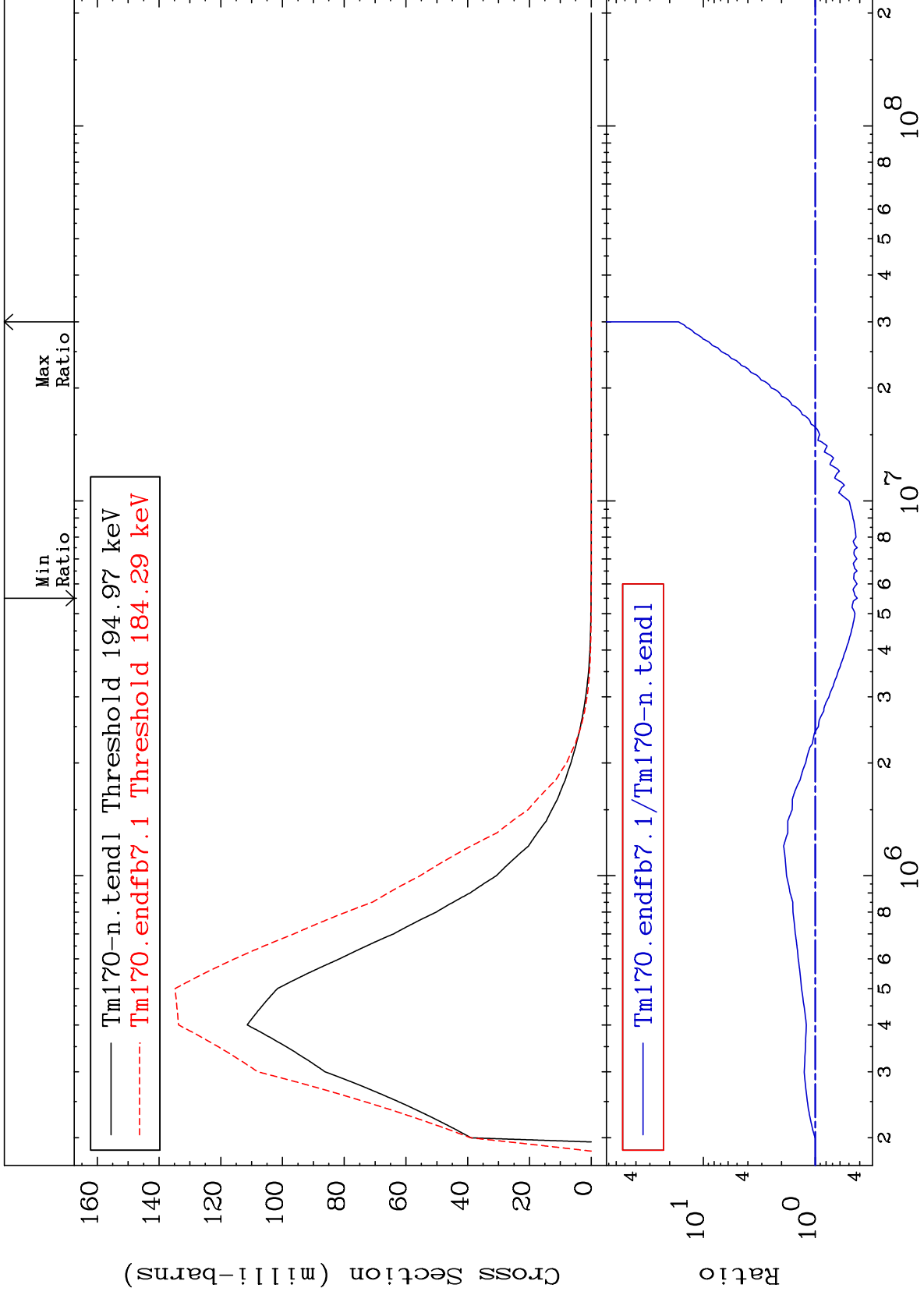
69-Tm-170
-71.73 To 9999. %



MAT 6928

193.8 keV (n,n') Level
Cross Section

69-Tm-170
-57.92 To 1559. %



14

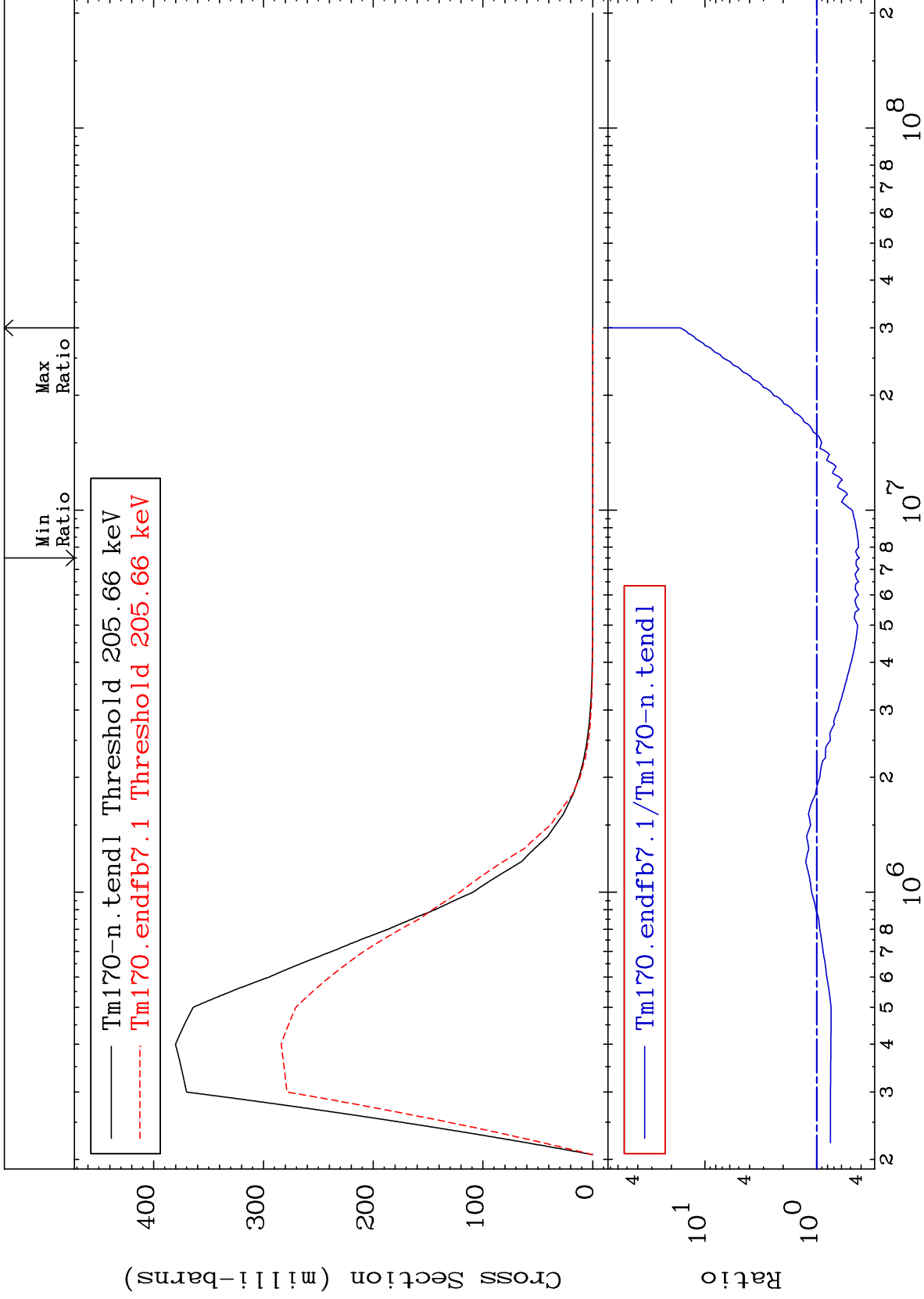
Incident Energy (eV)

69-Tm-170

MAT 6928

204.4 keV (n,n') Level
Cross Section

69-Tm-170
-58.52 To 1561. %



15

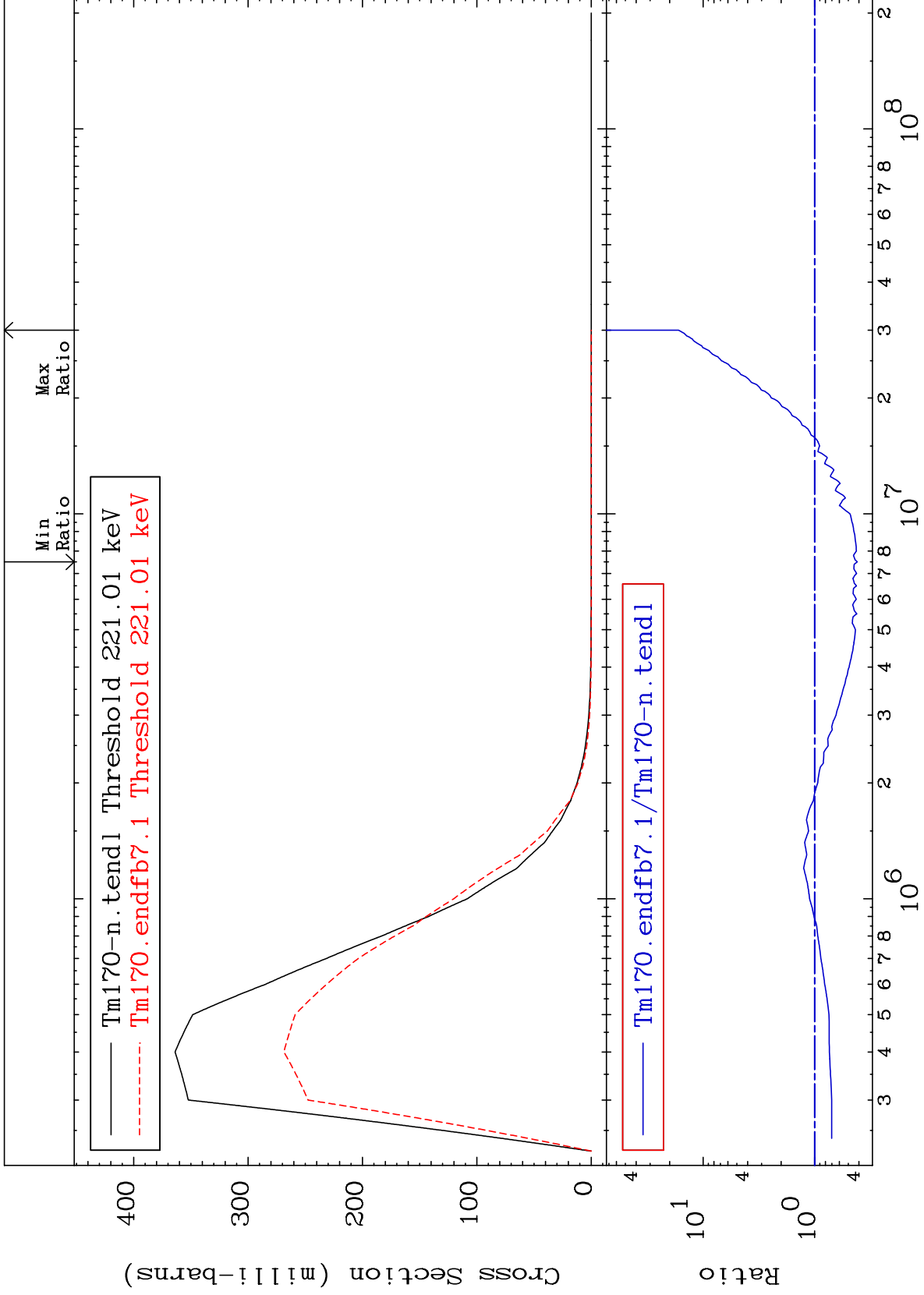
Incident Energy (eV)

69-Tm-170

MAT 6928

219.7 keV (n,n') Level
Cross Section

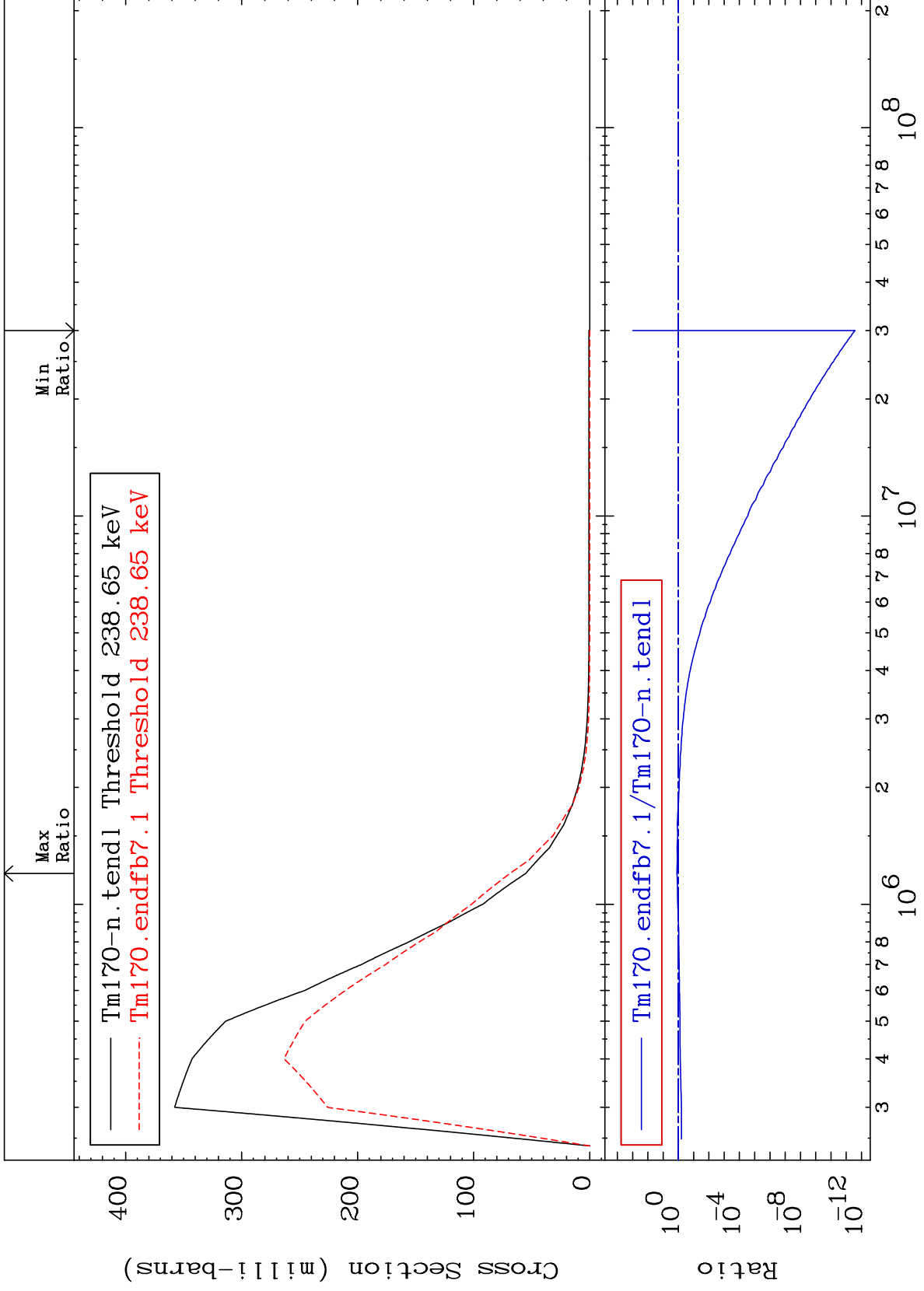
69-Tm-170
-58.52 To 1561. %



MAT 6928

237.2 keV (n,n') Level
Cross Section

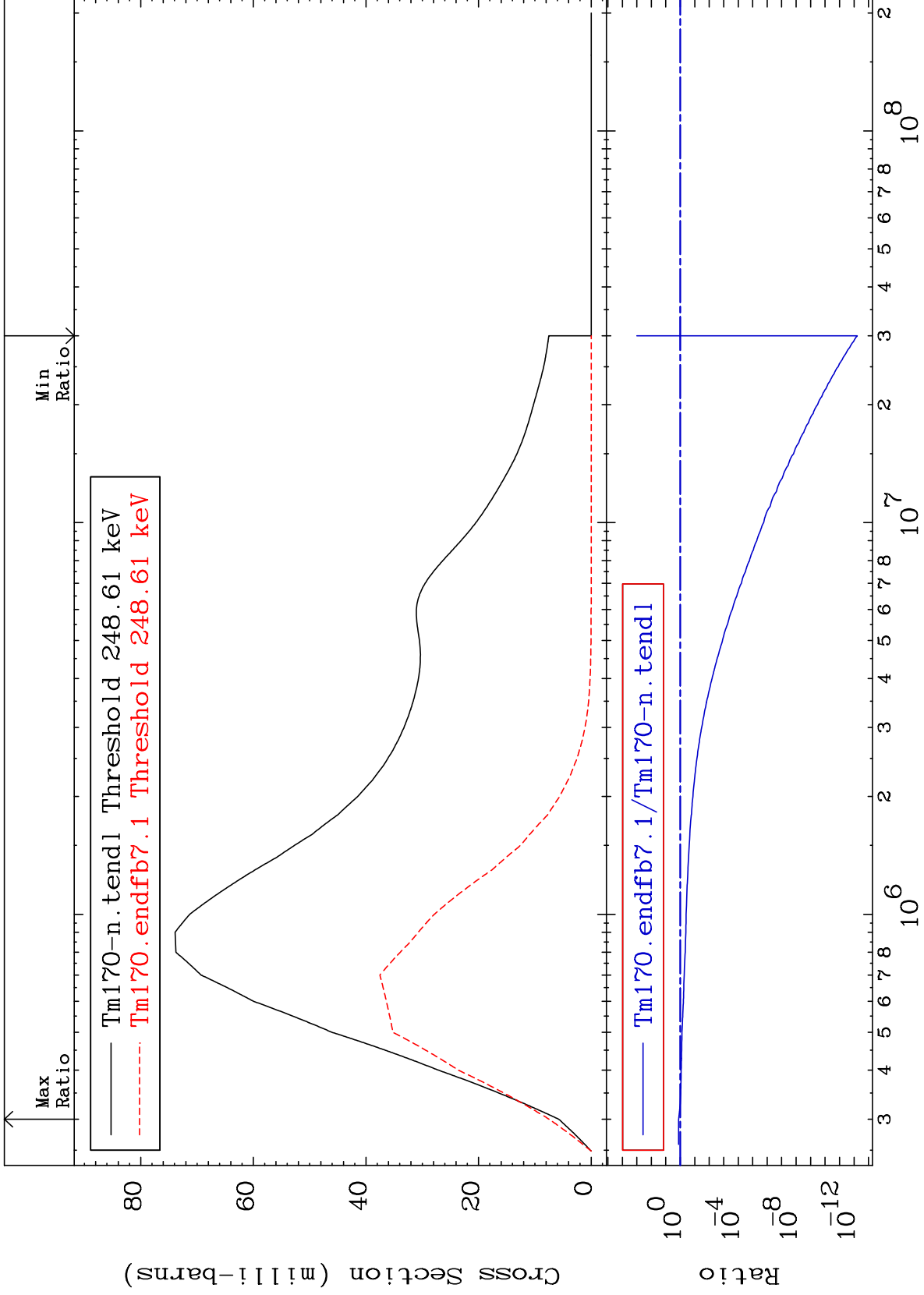
69-Tm-170
-100.0 To 24.49 %



MAT 6928

247.1 keV (n,n') Level
Cross Section

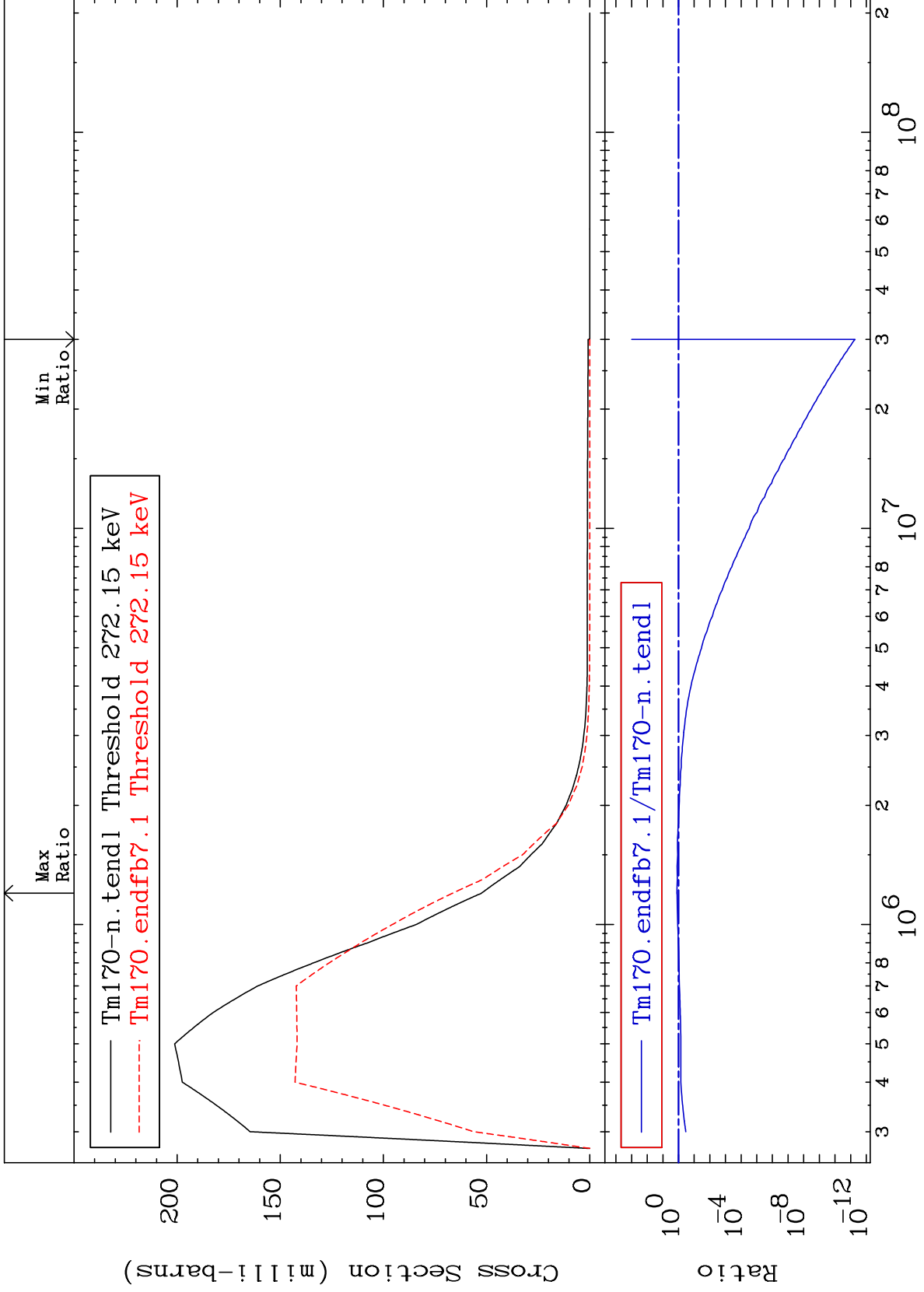
69-Tm-170
-100.0 To 29.68 %



MAT 6928

270.5 keV (n,n') Level
Cross Section

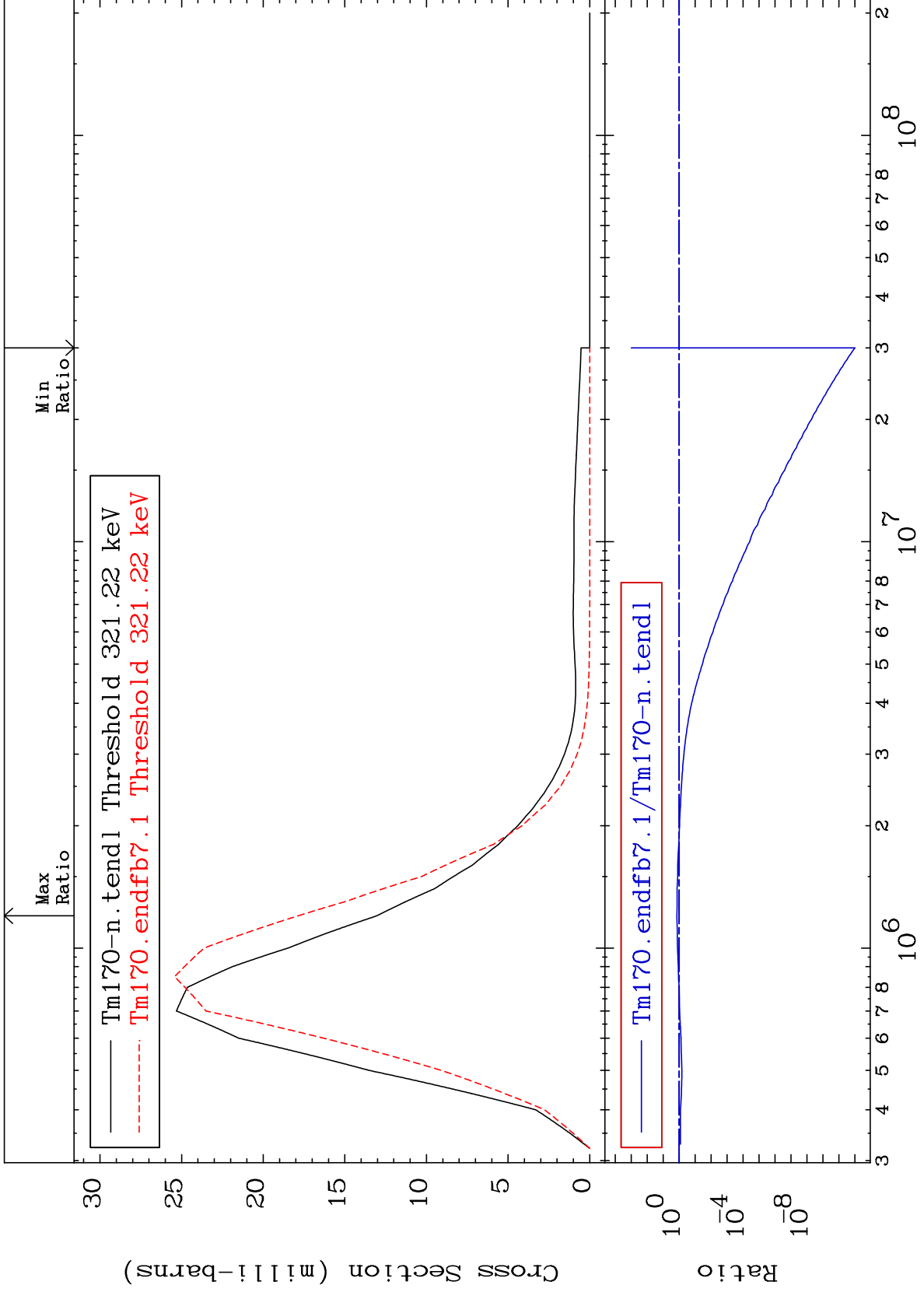
69-Tm-170
-100.0 To 26.72 %



MAT 6928

319.3 keV (n,n') Level
Cross Section

69-Tm-170
-100.0 To 36.96 %



20

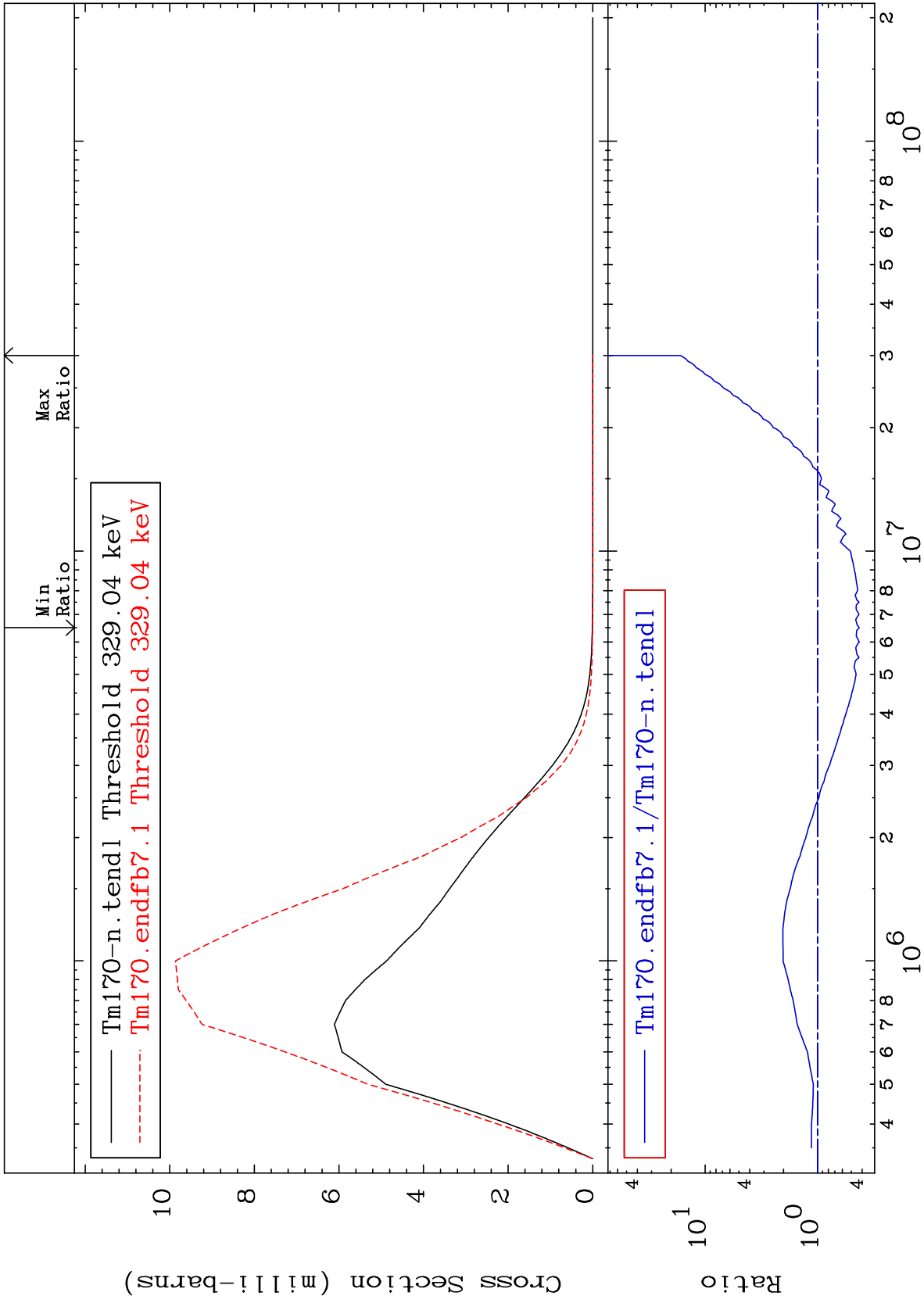
Incident Energy (eV)

69-Tm-170

MAT 6928

327.1 keV (n,n') Level
Cross Section

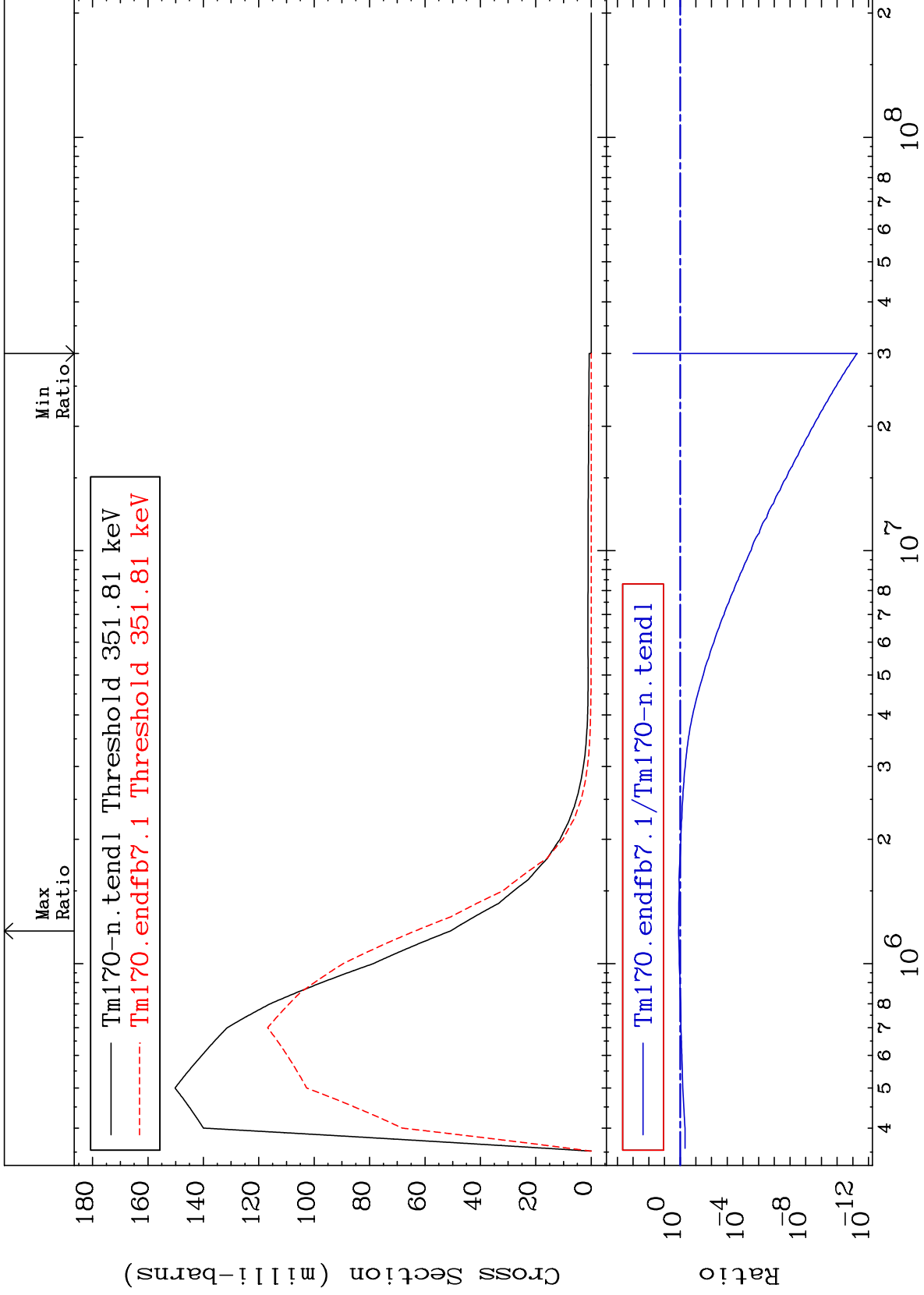
69-Tm-170
-57.69 To 1559. %



MAT 6928

349.7 keV (n,n') Level
Cross Section

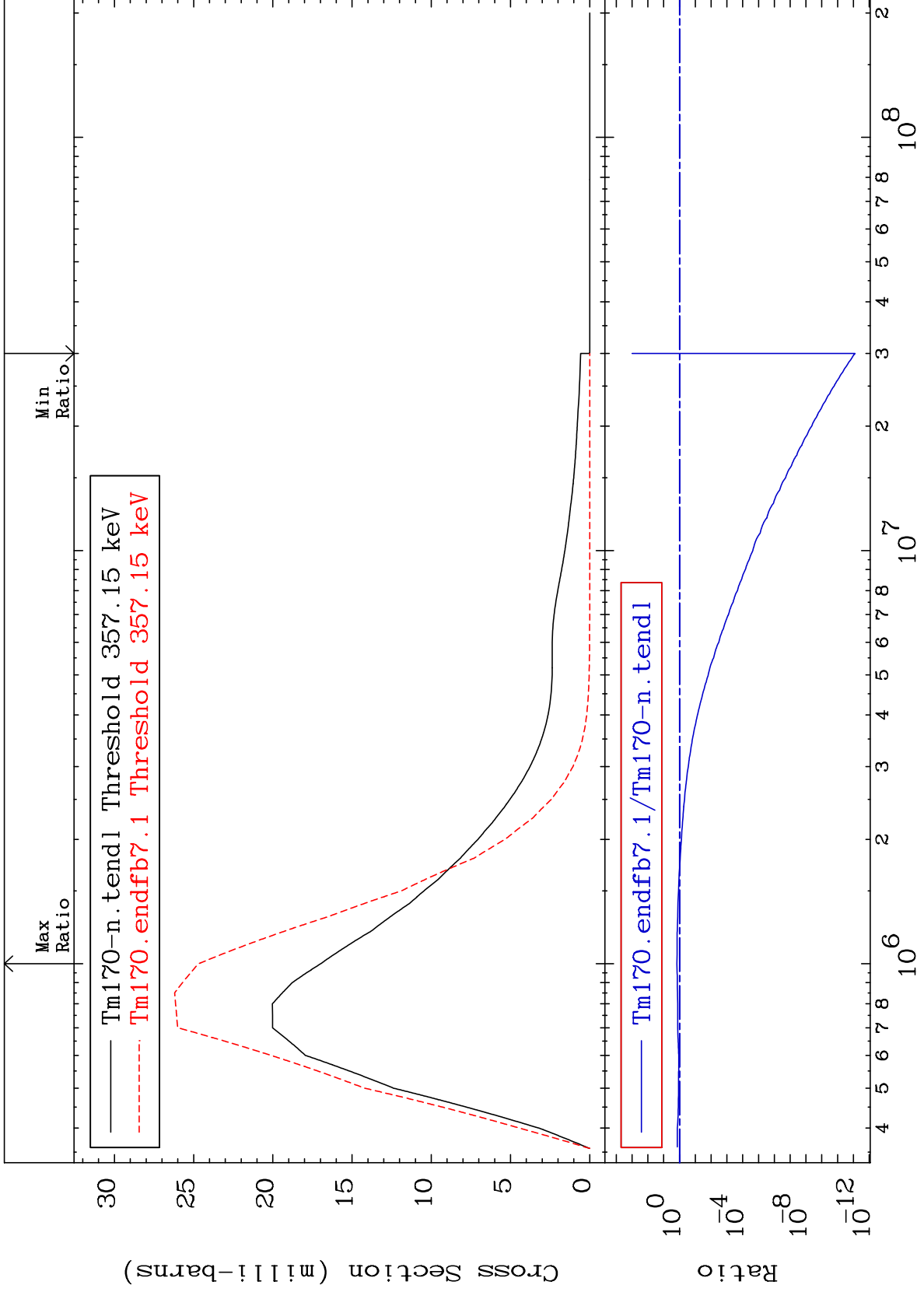
69-Tm-170
-100.0 To 25.09 %



MAT 6928

355.0 keV (n,n') Level
Cross Section

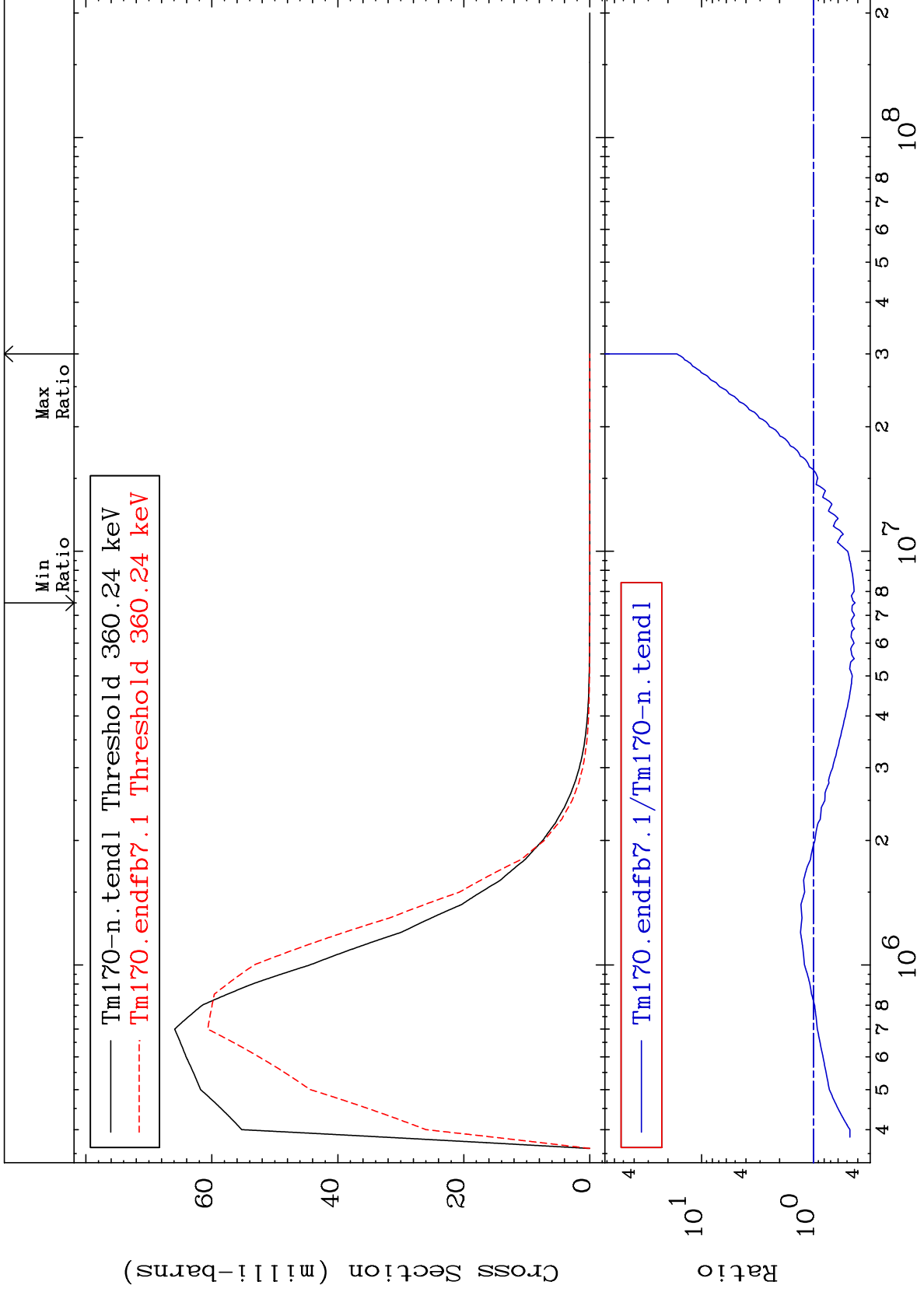
69-Tm-170
-100.0 To 45.44 %



MAT 6928

358.1 keV (n,n') Level
Cross Section

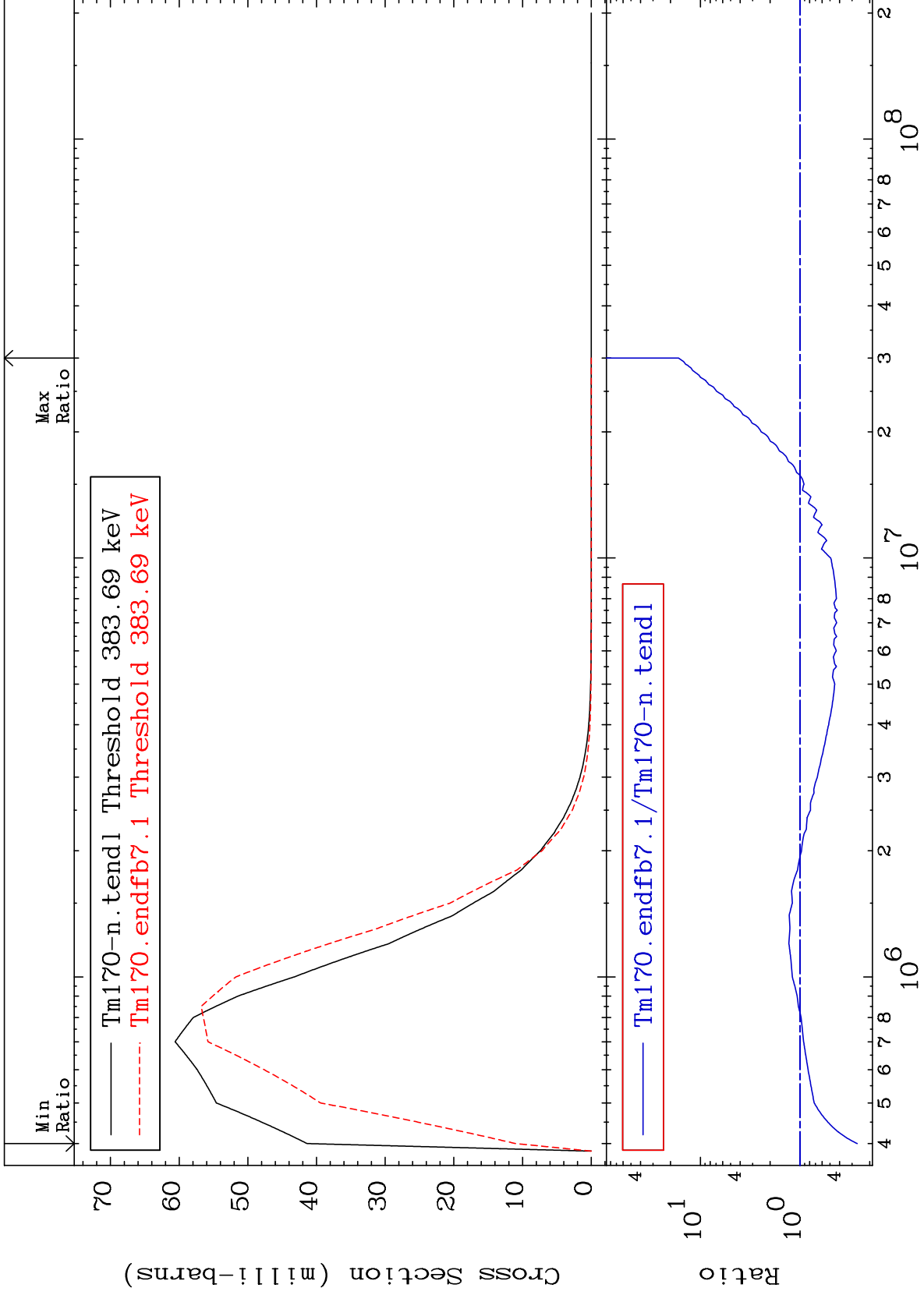
69-Tm-170
-57.70 To 1560. %



MAT 6928

381.4 keV (n,n') Level
Cross Section

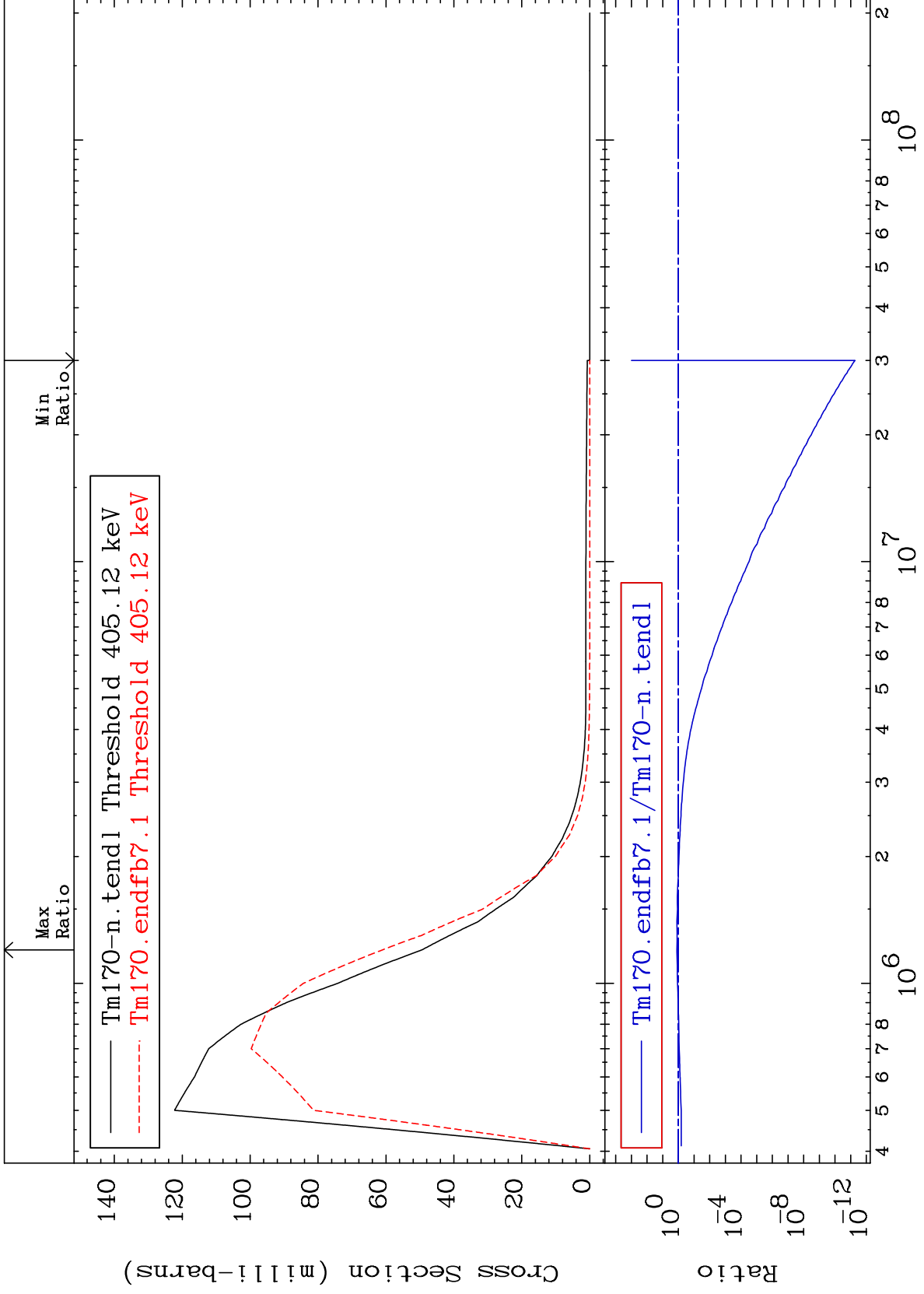
69-Tm-170
-73.37 To 1560. %



MAT 6928

402.7 keV (n,n') Level
Cross Section

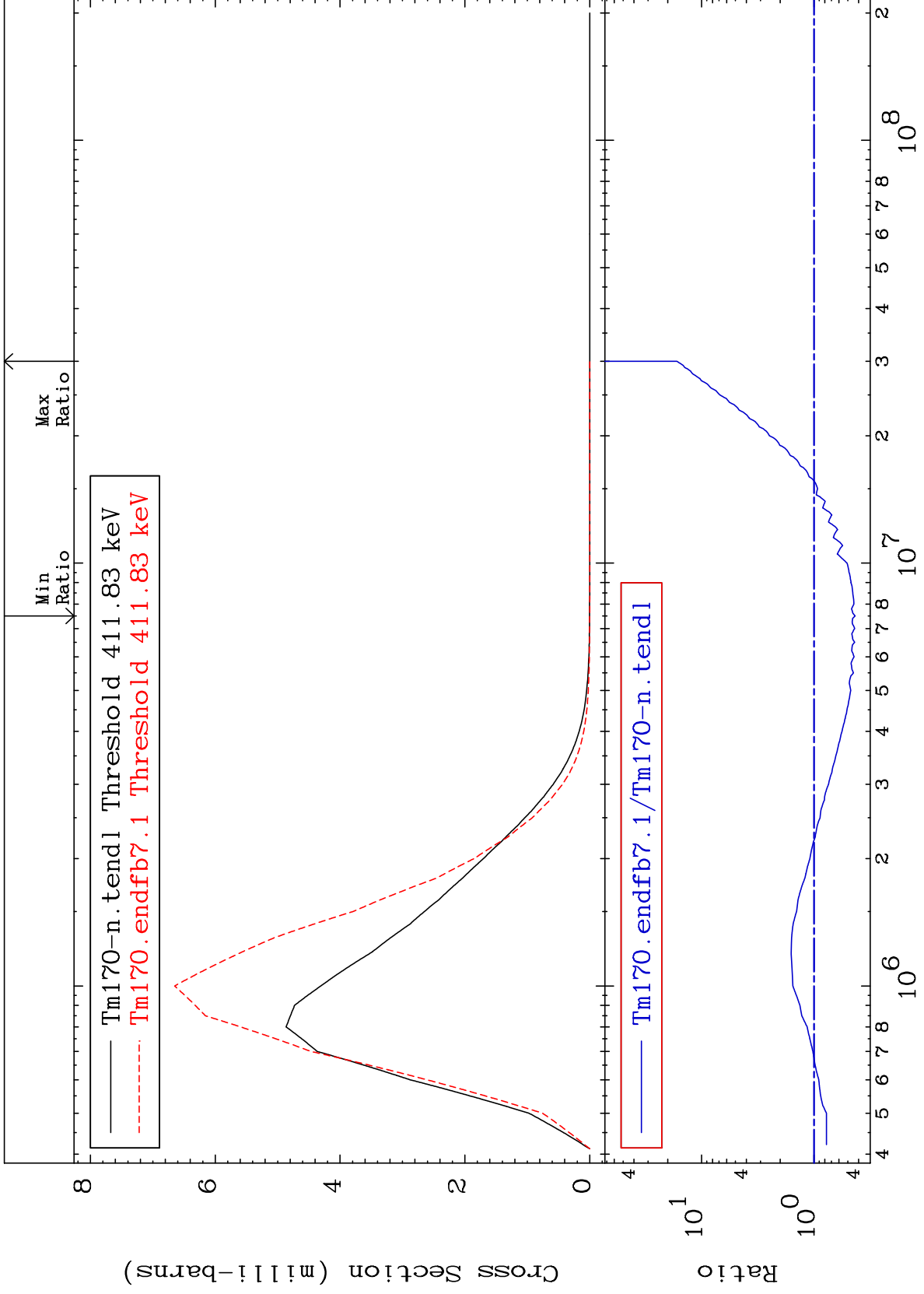
69-Tm-170
-100.0 To 23.58 %



MAT 6928

409.4 keV (n,n') Level
Cross Section

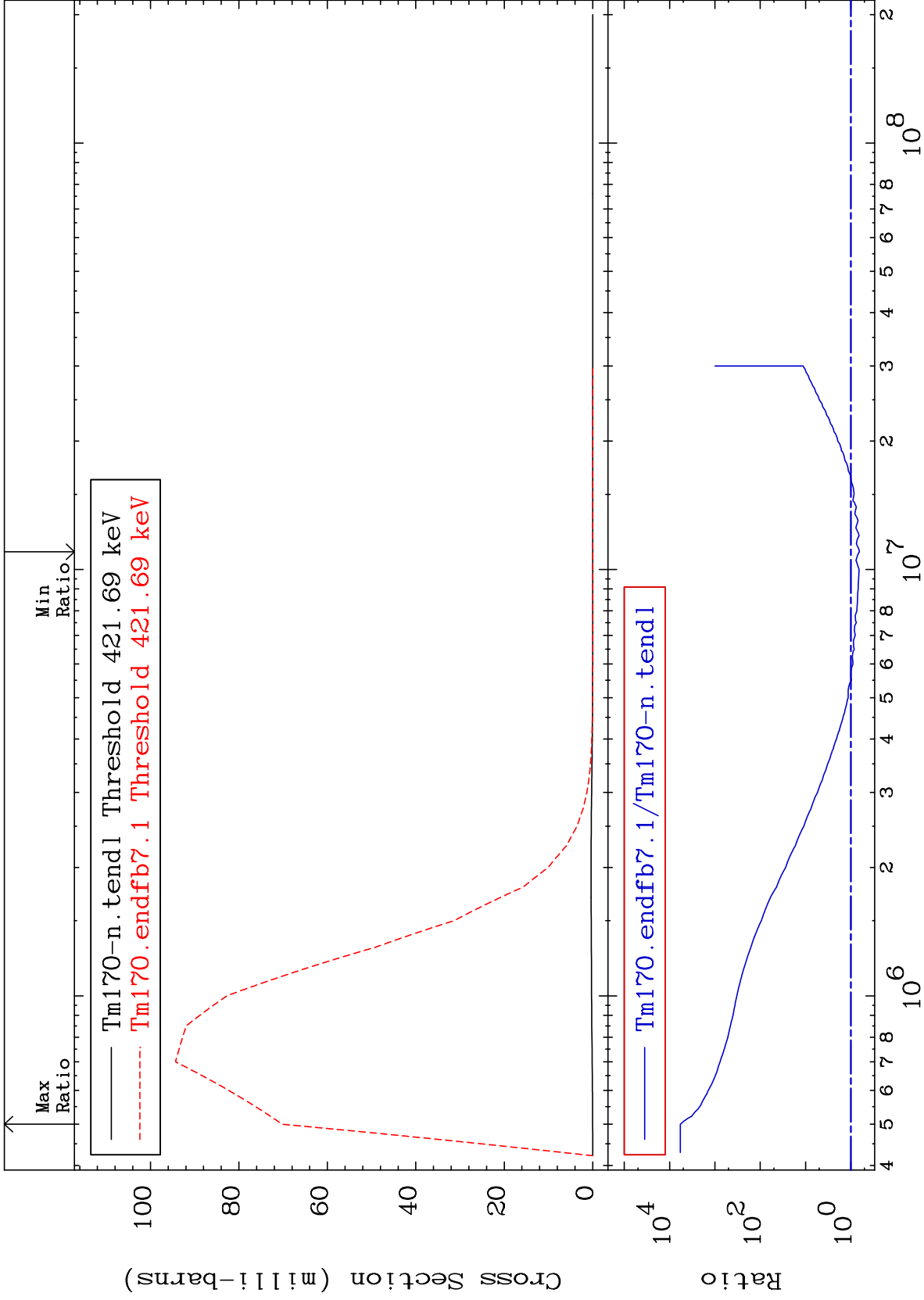
69-Tm-170
-56.93 To 1560. %



MAT 6928

419.2 keV (n,n') Level
Cross Section

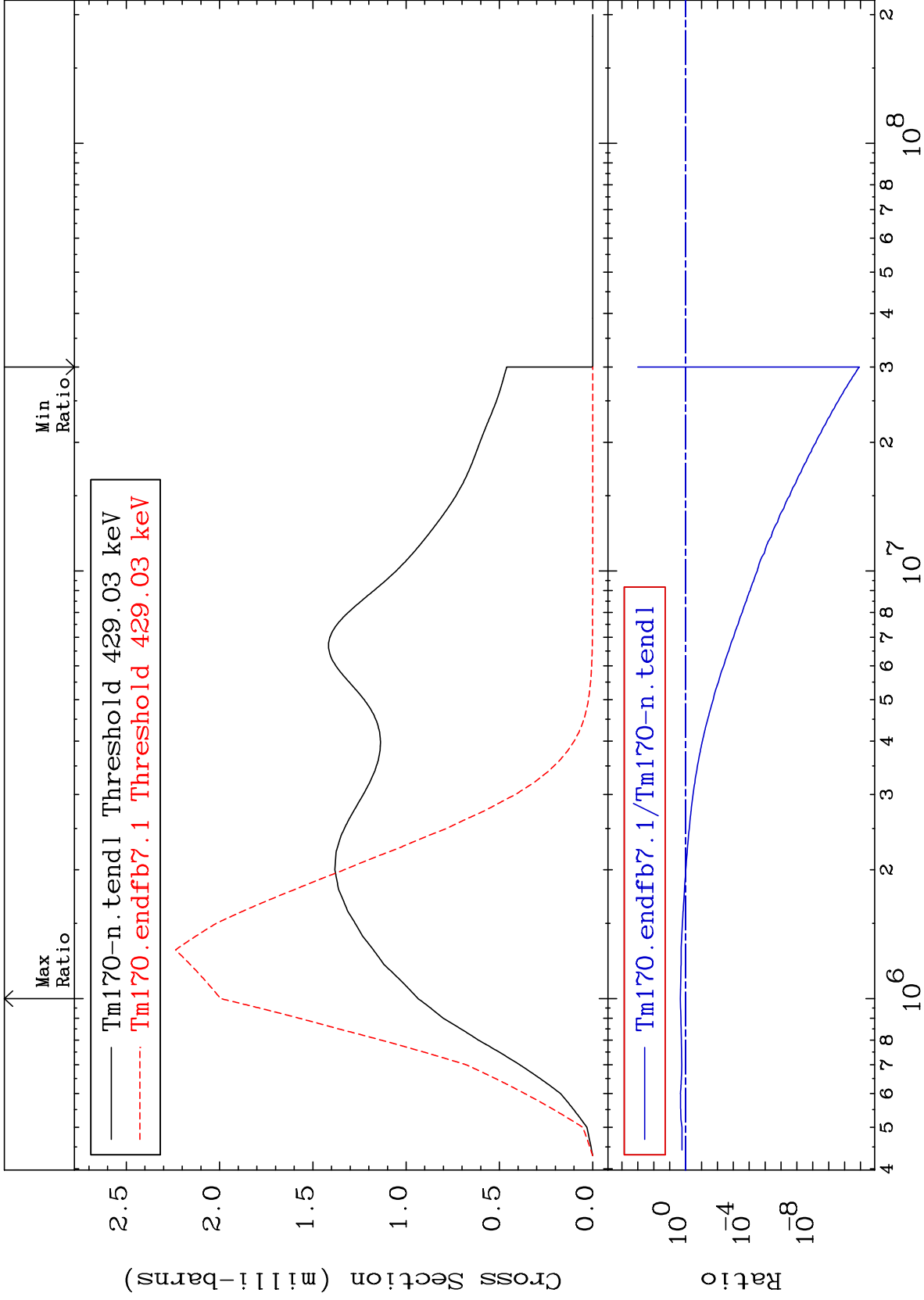
69-Tm-170
-35.34 To 9999. %



MAT 6928

426.5 keV (n,n') Level
Cross Section

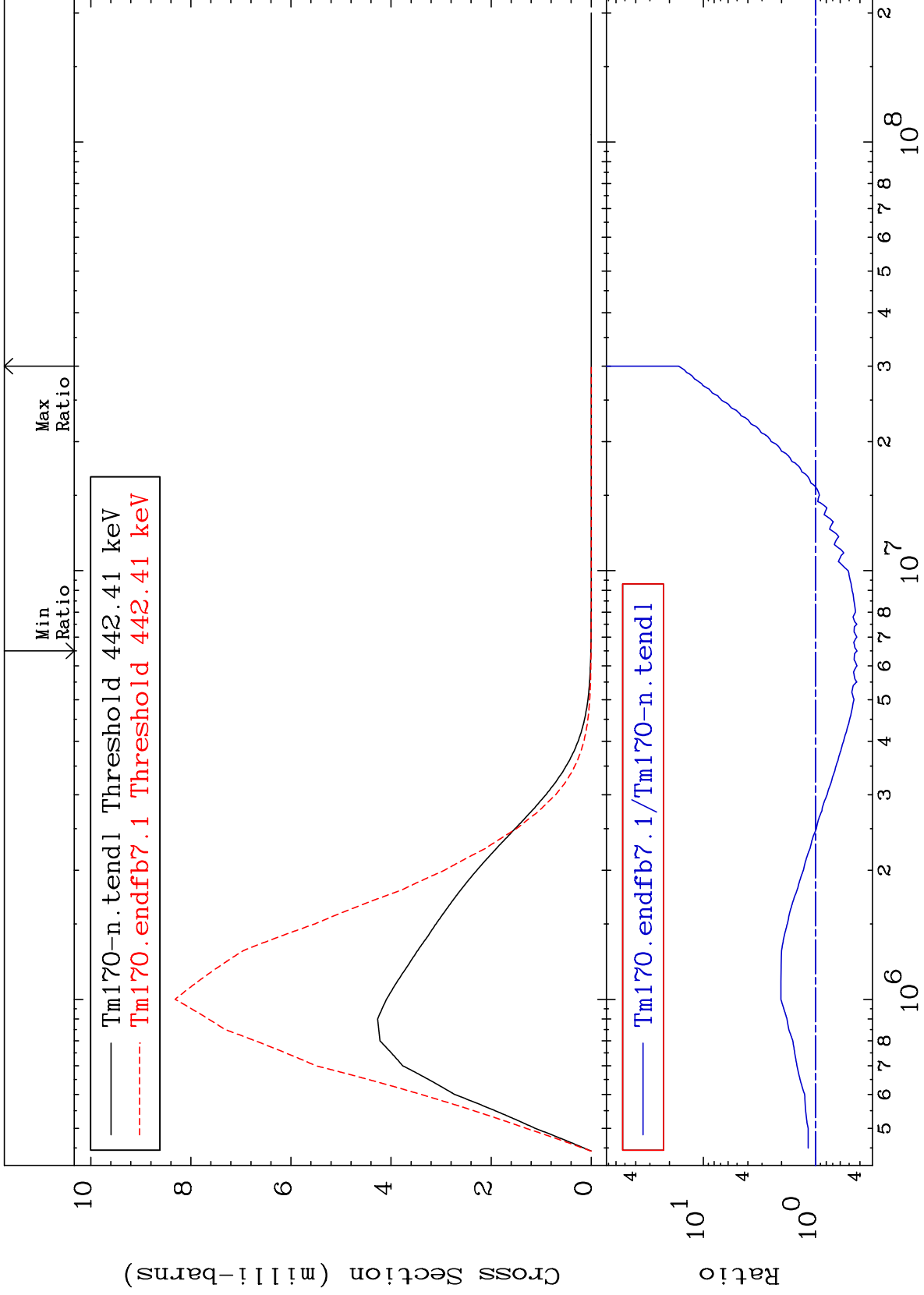
69-Tm-170
-100.0 To 113.1 %



MAT 6928

439.8 keV (n,n') Level
Cross Section

69-Tm-170
-57.67 To 1559. %



30

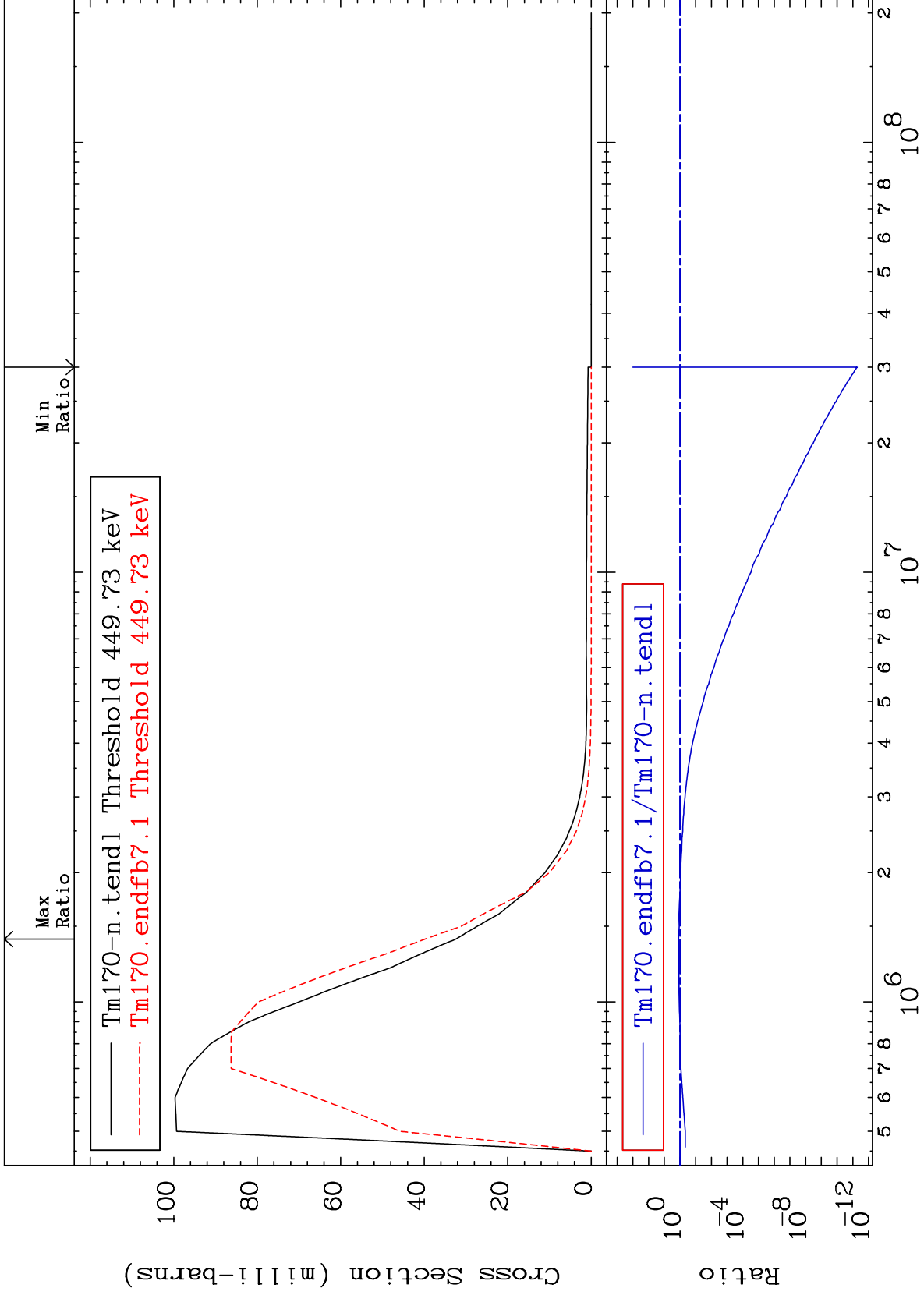
Incident Energy (eV)

69-Tm-170

MAT 6928

447.1 keV (n,n') Level
Cross Section

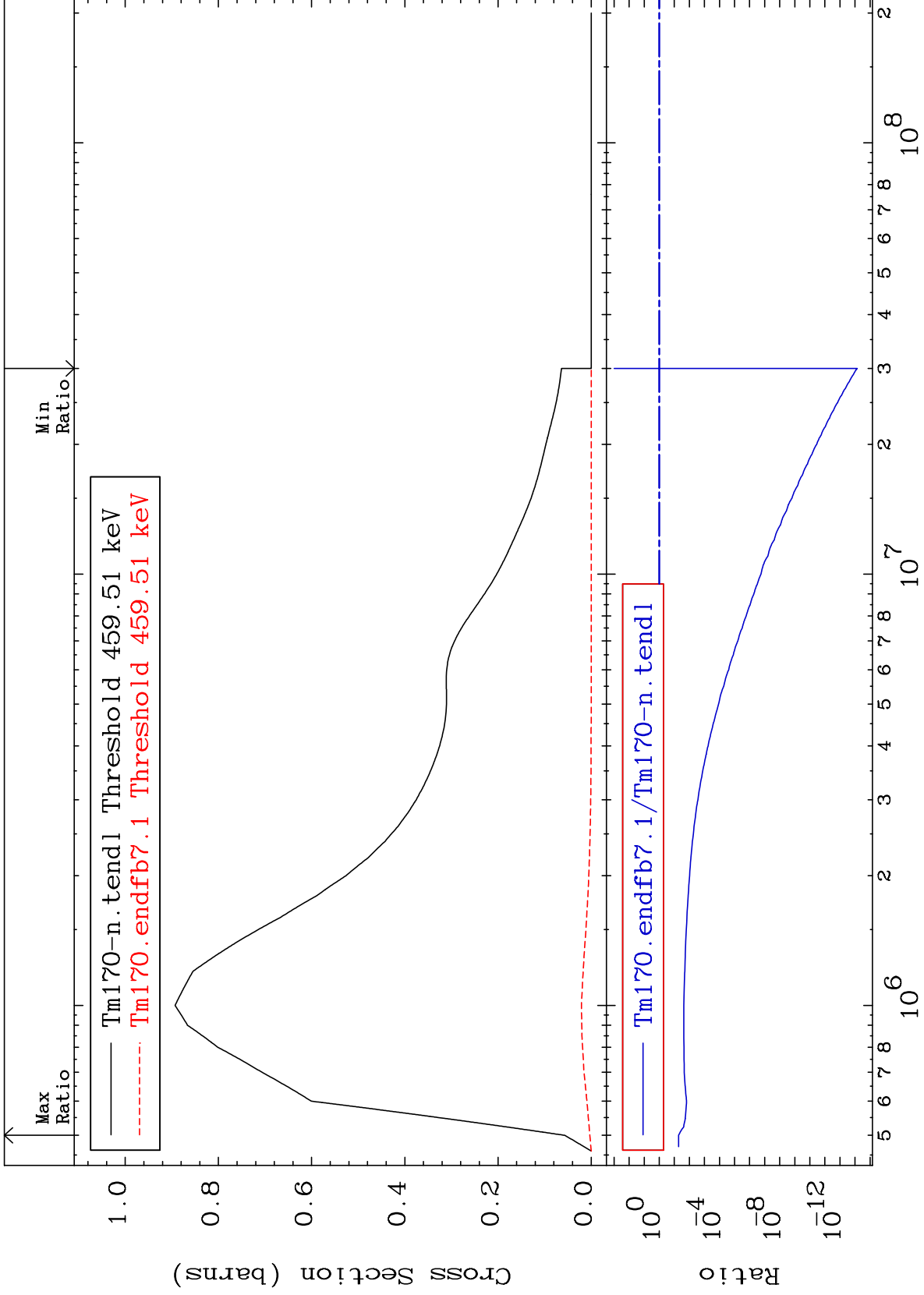
69-Tm-170
-100.0 To 22.77 %



MAT 6928

456.8 keV (n,n') Level
Cross Section

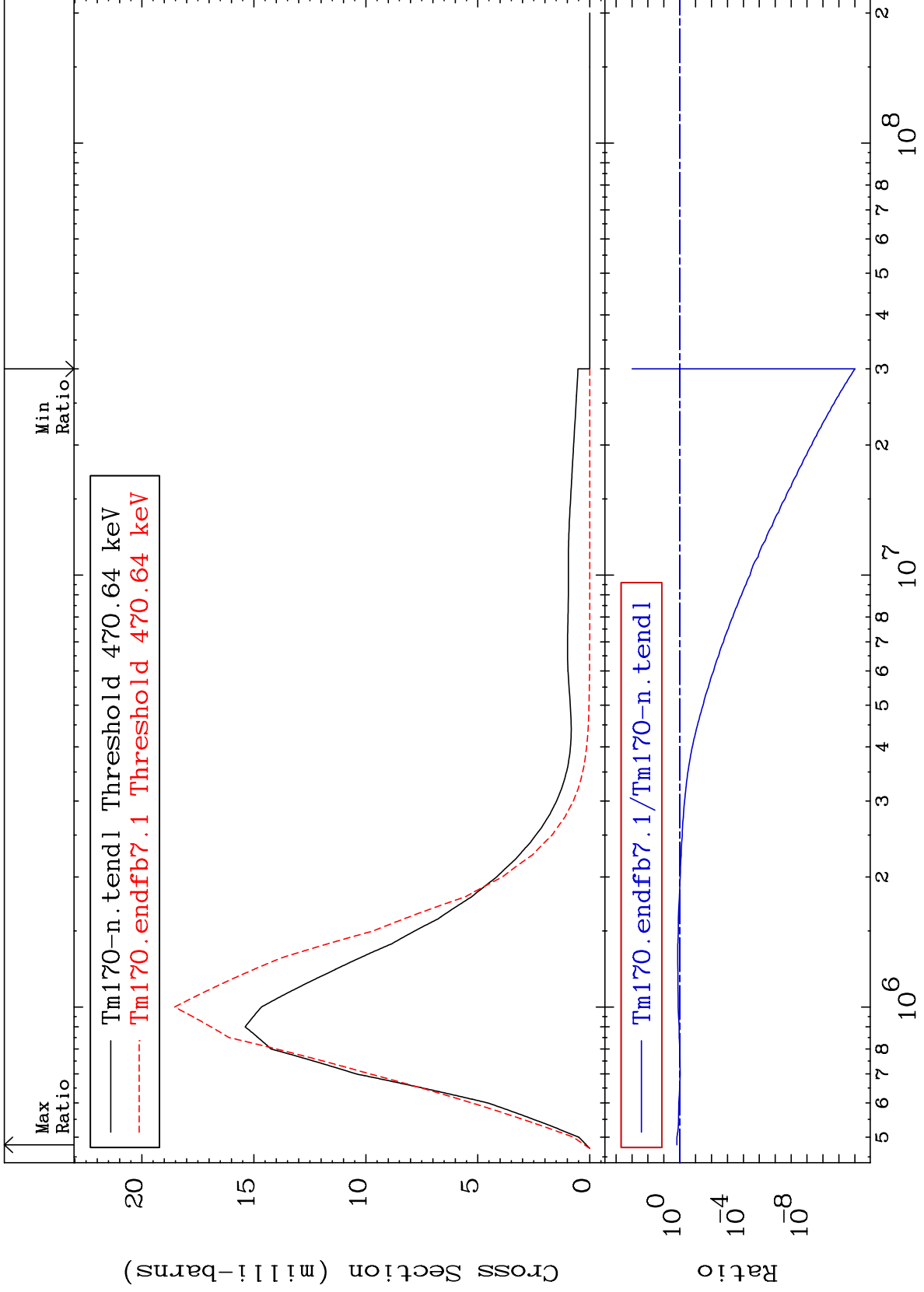
69-Tm-170
-100.0 To -94.84%



MAT 6928

467.9 keV (n,n') Level
Cross Section

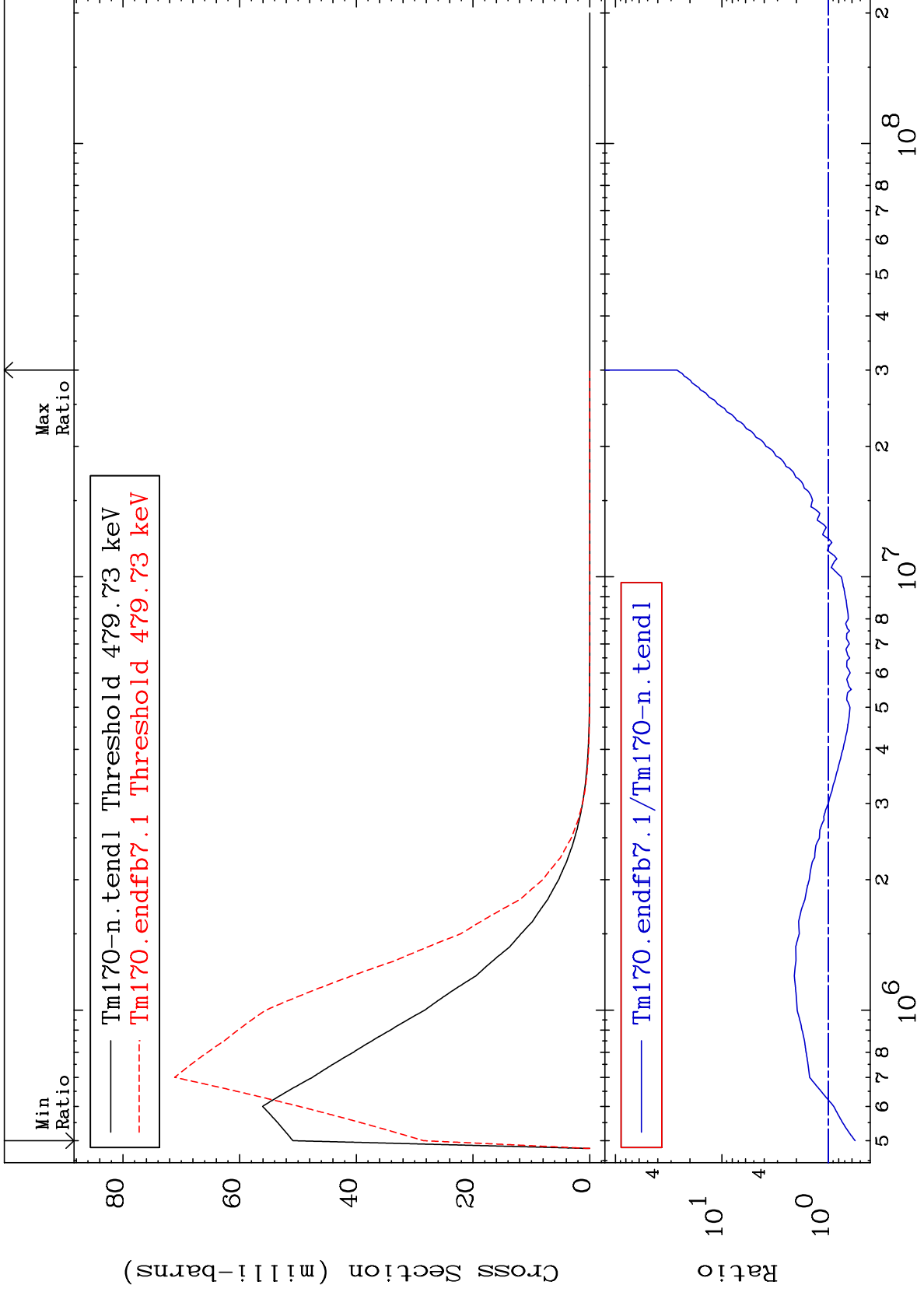
69-Tm-170
-100.0 To 50.07 %



MAT 6928

476.9 keV (n,n') Level
Cross Section

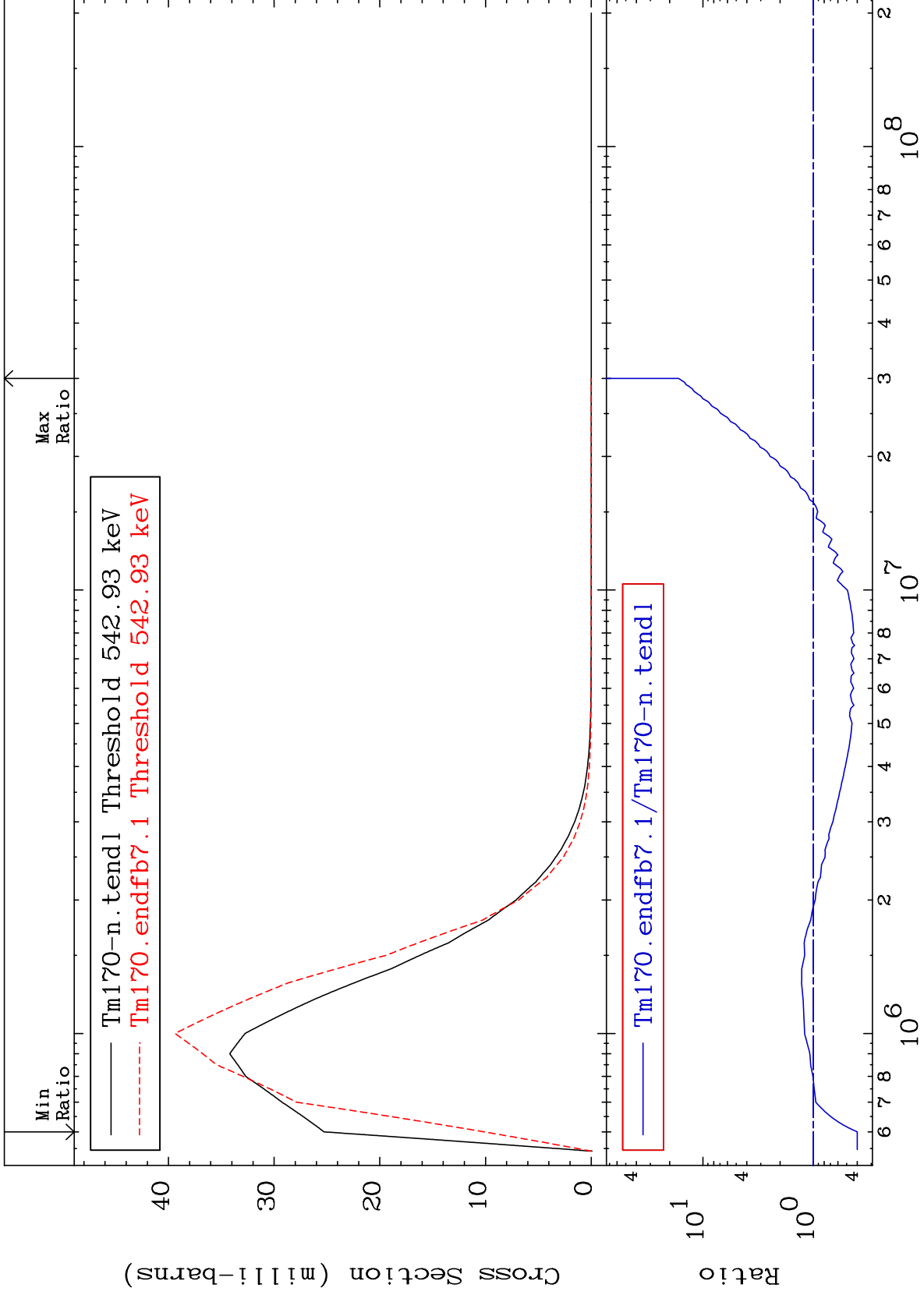
69-Tm-170
-43.98 To 2547. %



MAT 6928

539.7 keV (n,n') Level
Cross Section

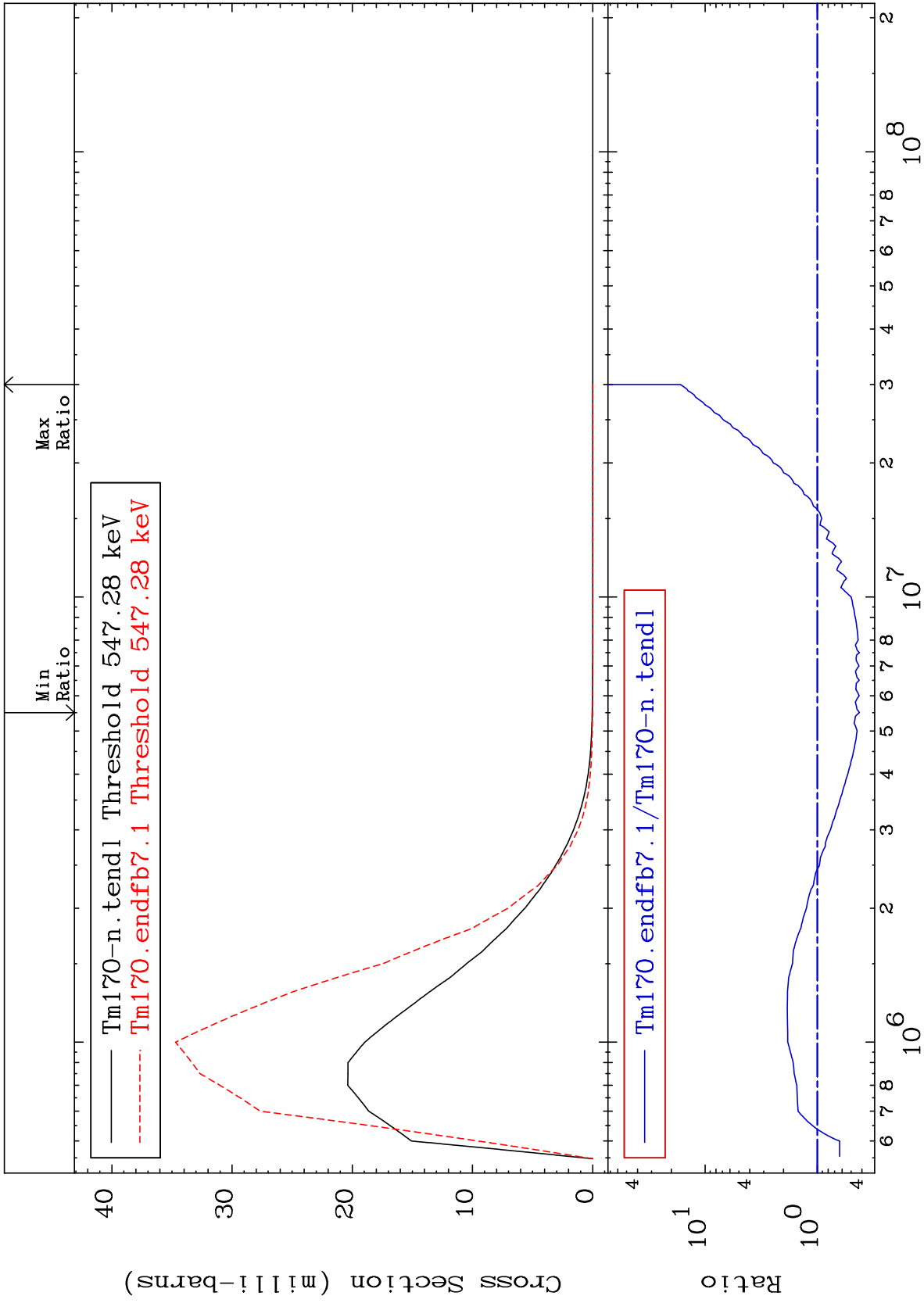
69-Tm-170
-59.94 To 1560. %



MAT 6928

544.1 keV (n,n') Level
Cross Section

69-Tm-170
-57.94 To 1559. %



36

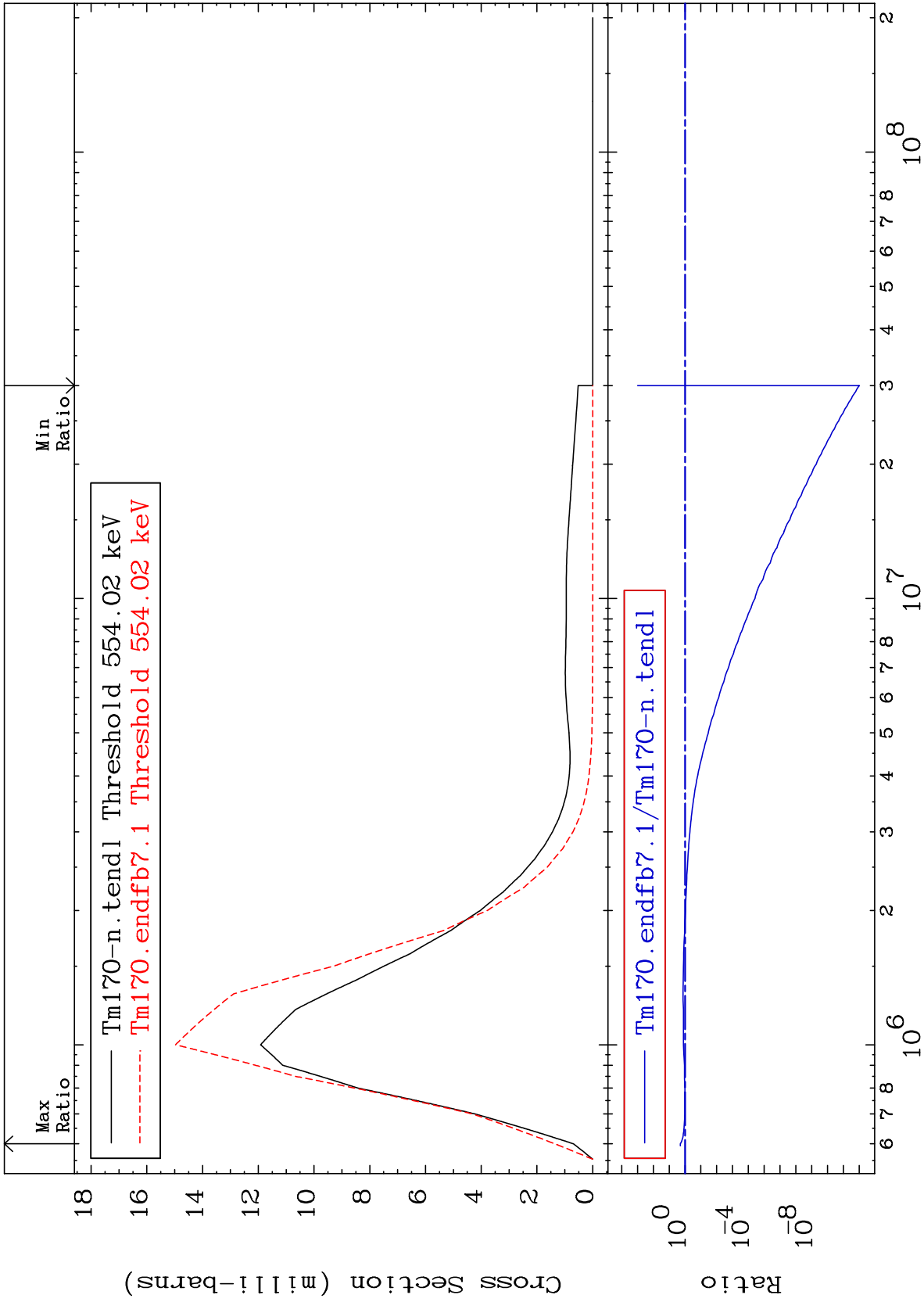
Incident Energy (eV)

69-Tm-170

MAT 6928

550.7 keV (n,n') Level
Cross Section

69-Tm-170
-100.0 To 96.71 %



37

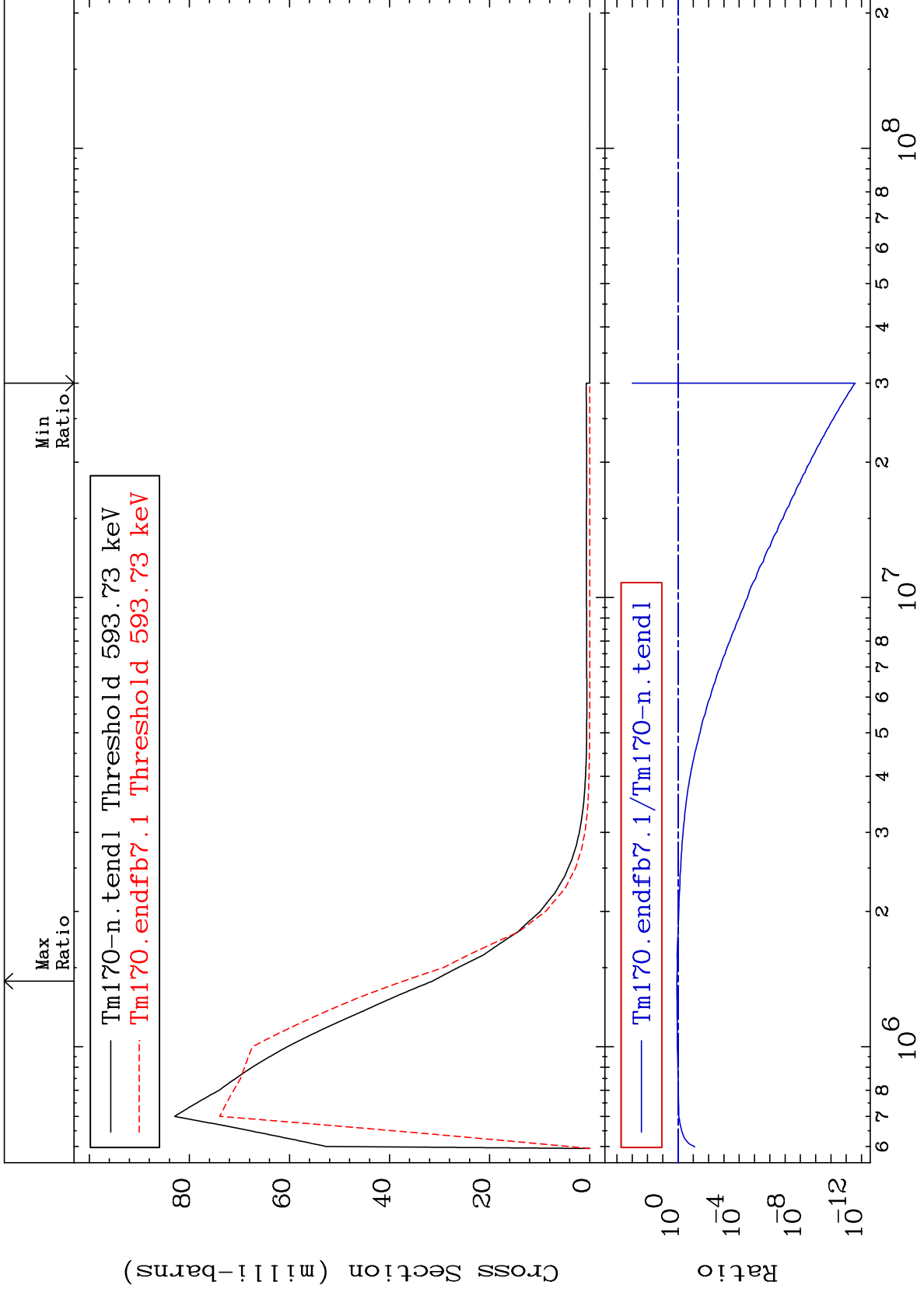
Incident Energy (eV)

69-Tm-170

MAT 6928

590.2 keV (n,n') Level
Cross Section

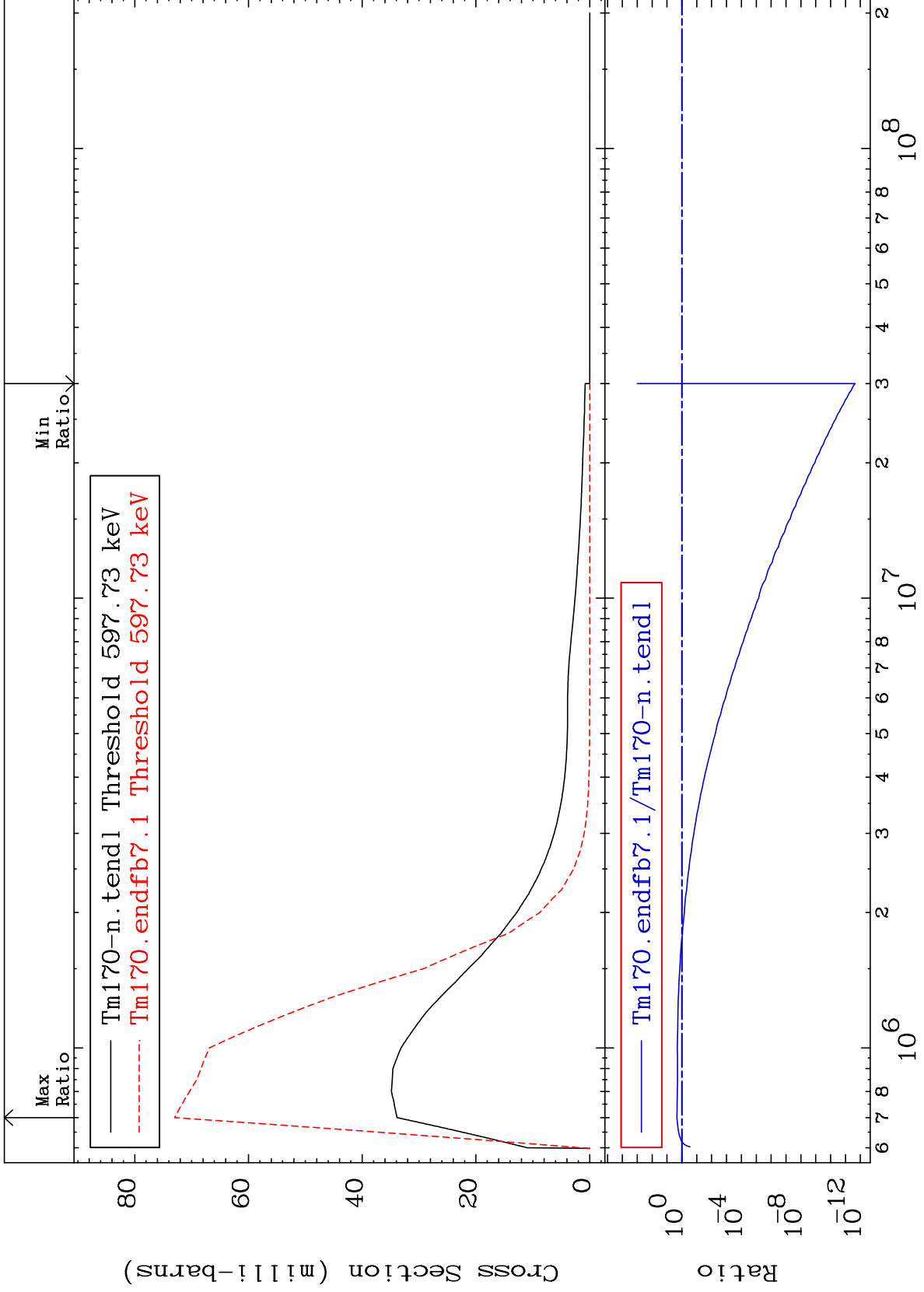
69-Tm-170
-100.0 To 18.44 %



MAT 6928

594.2 keV (n,n') Level
Cross Section

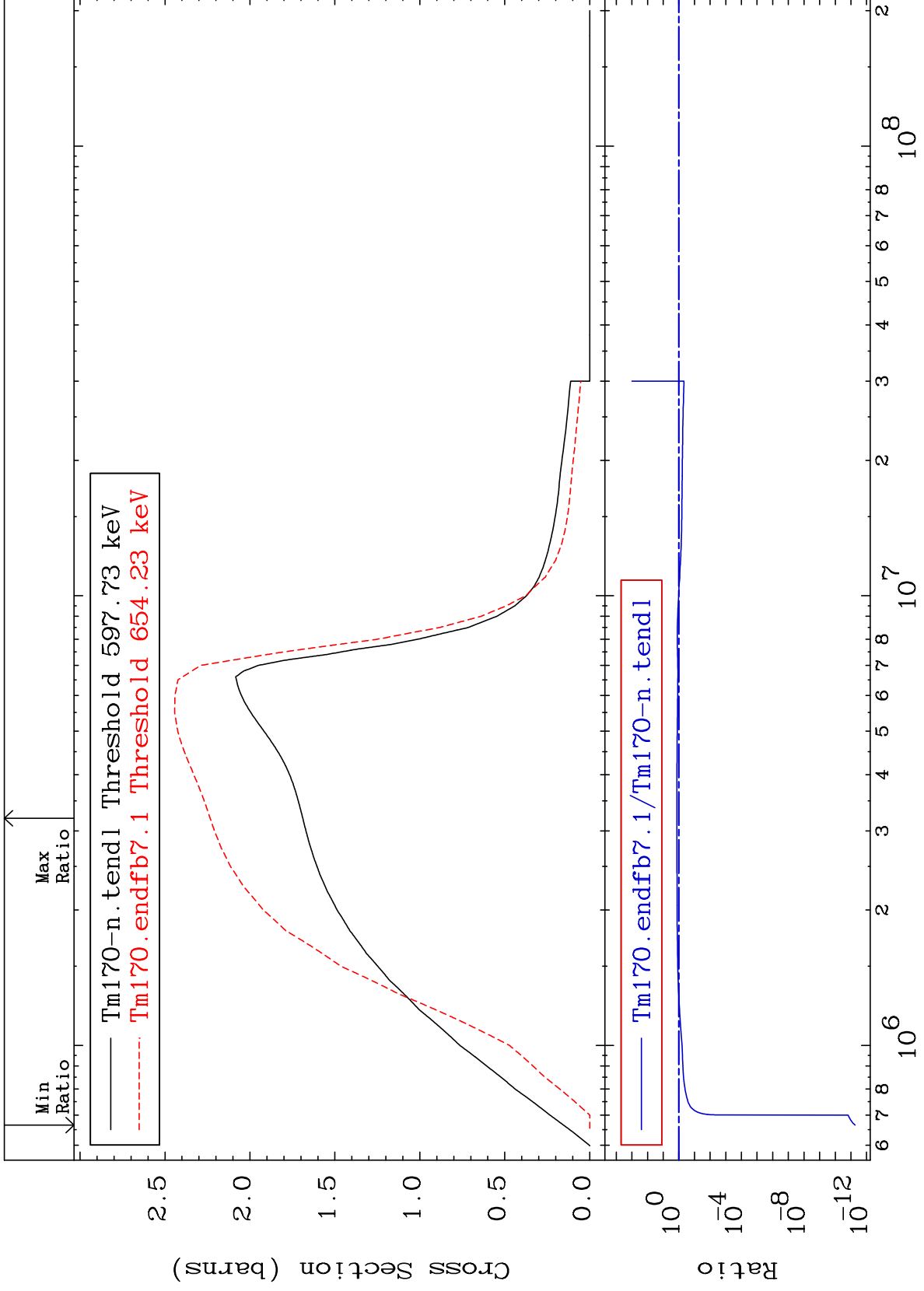
69-Tm-170
-100.0 To 115.4 %



MAT 6928

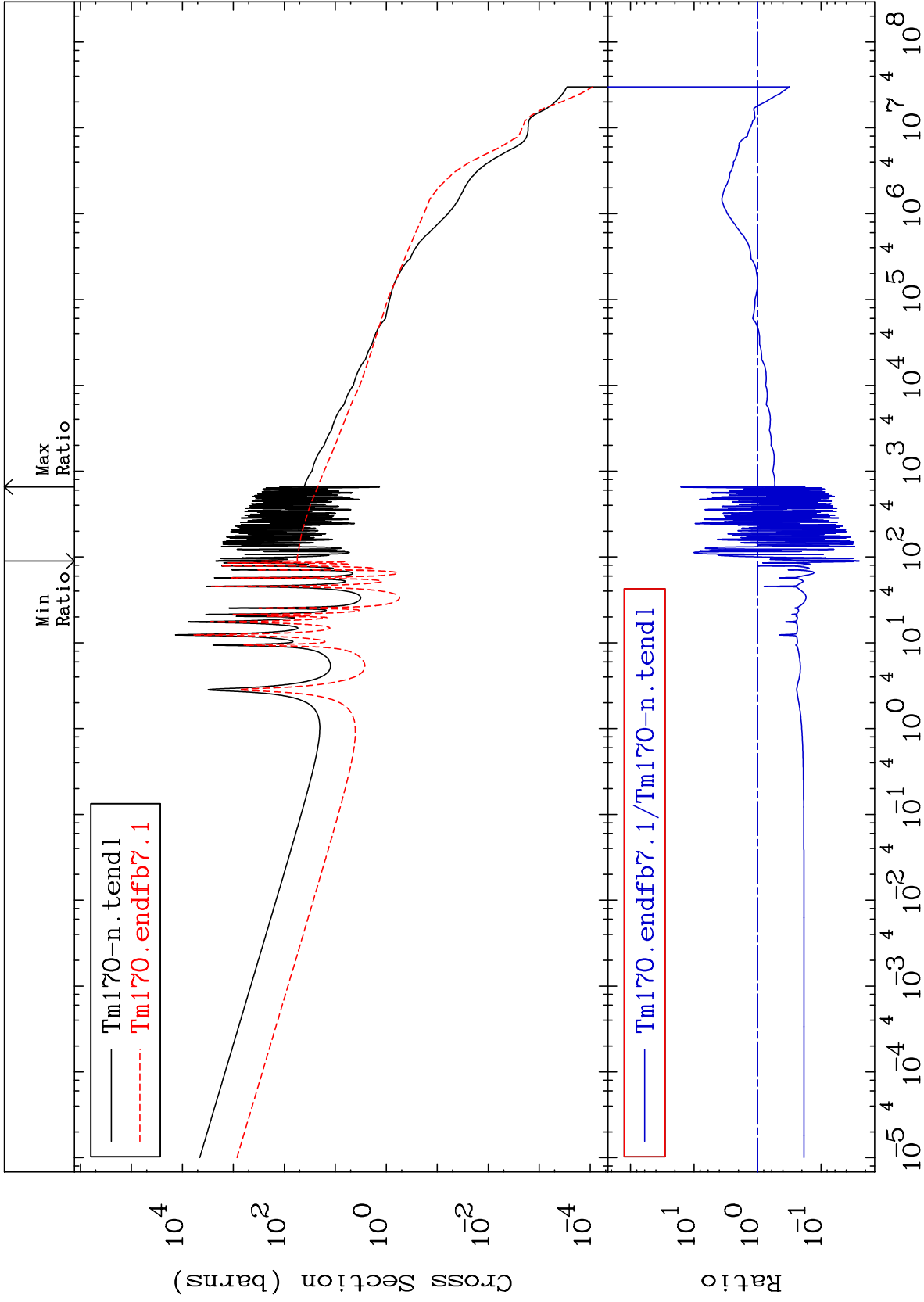
(n, n') Continuum
Cross Section

69-Tm-170
-100.0 To 32.29 %



MAT 6928

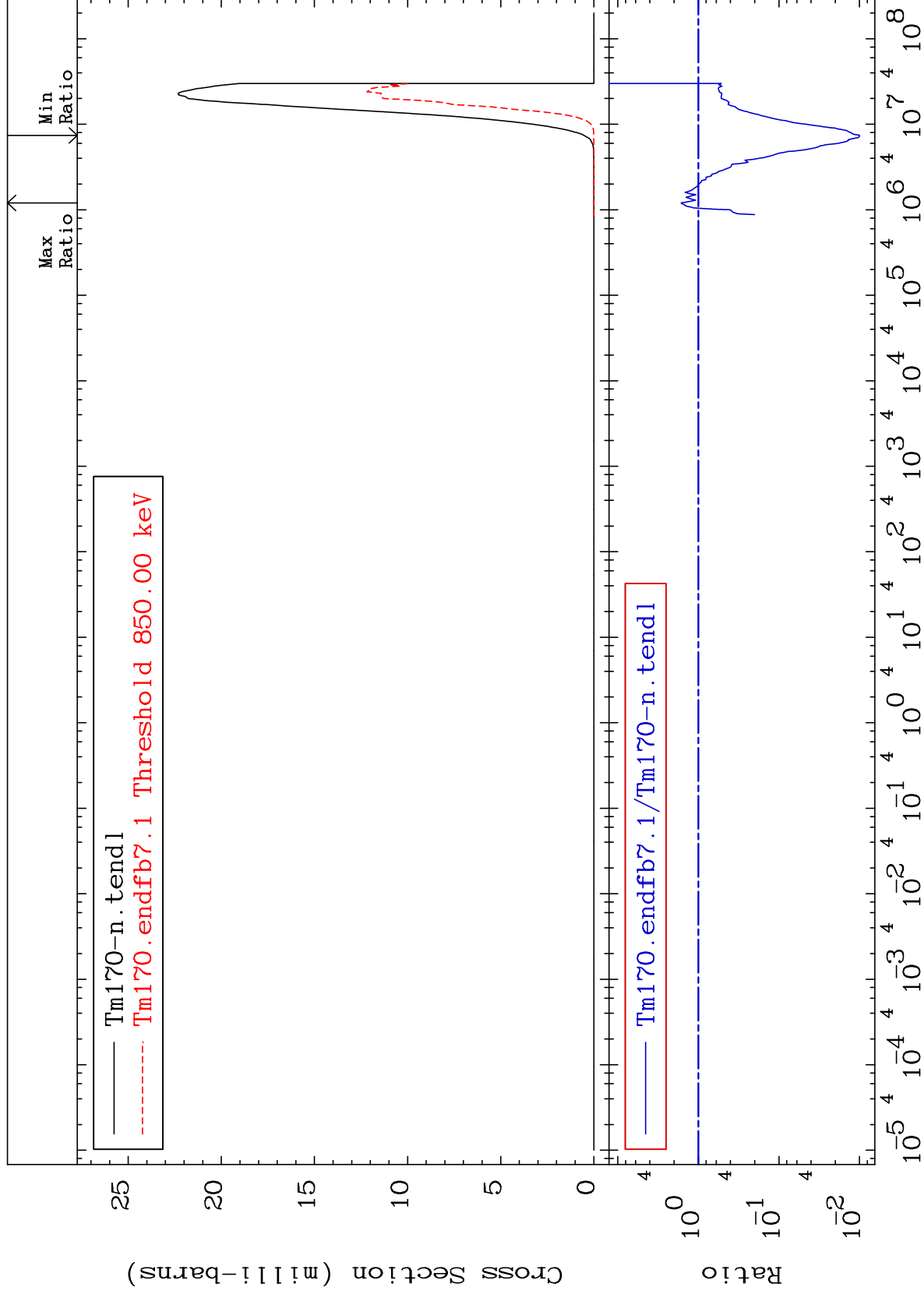
(n, γ)
Cross Section
69-Tm-170
-97.52 To 1543. %



MAT 6928

(n,p)
Cross Section

69-Tm-170
-99.00 To 63.25 %

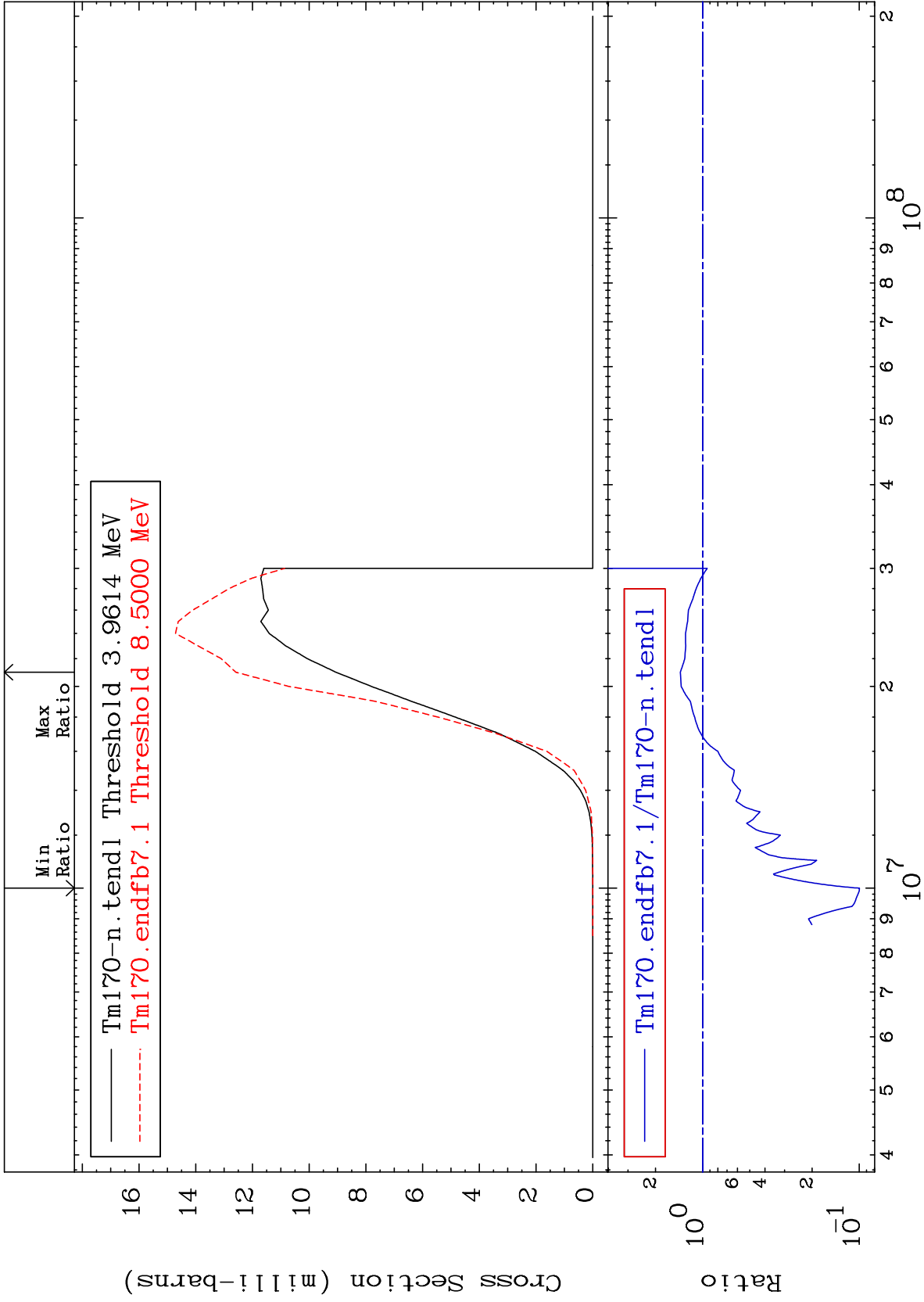


42

69-Tm-170

MAT 6928

(n, d) Cross Section
69-Tm-170
-90.02 To 38.94 %



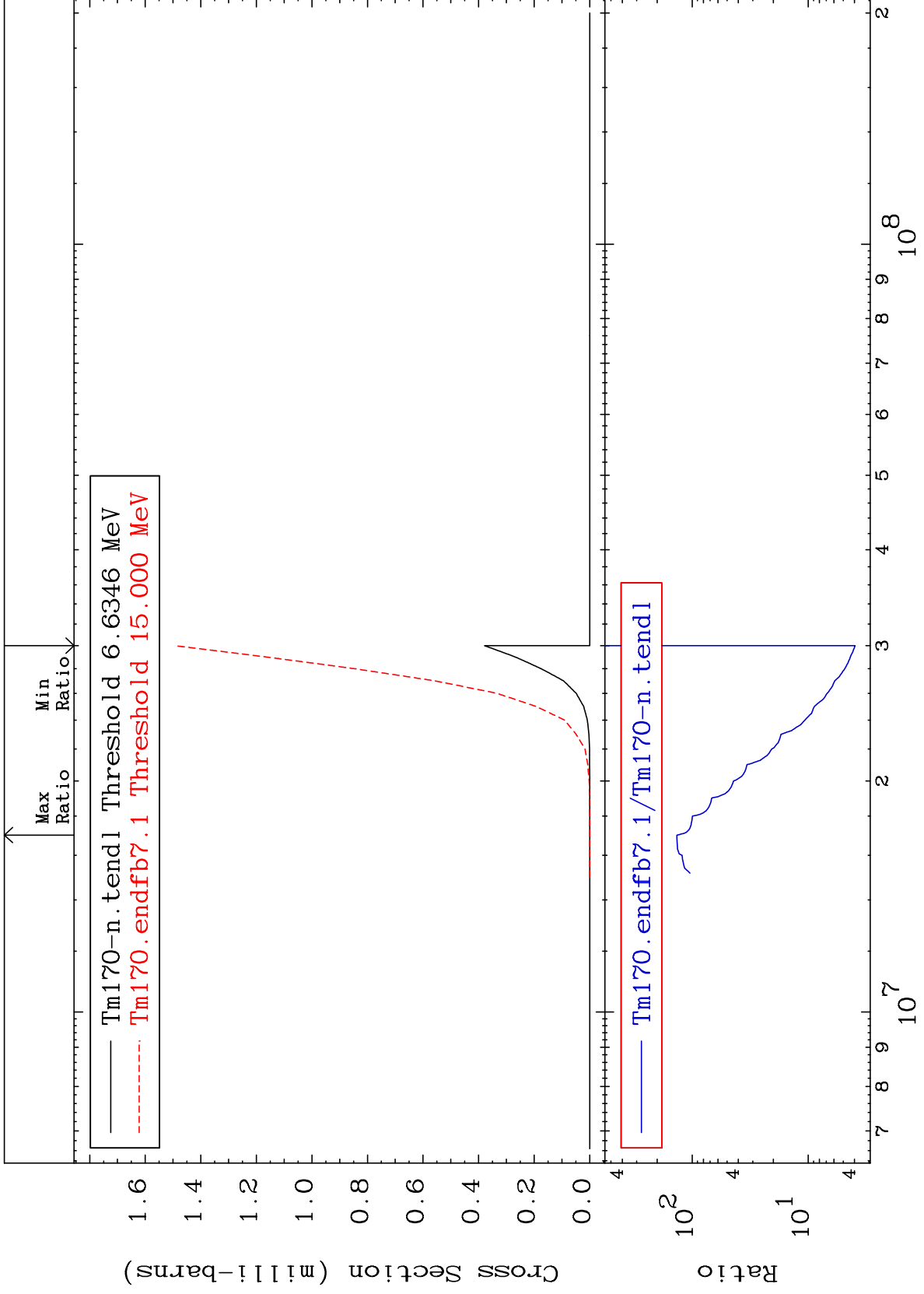
MAT 6928

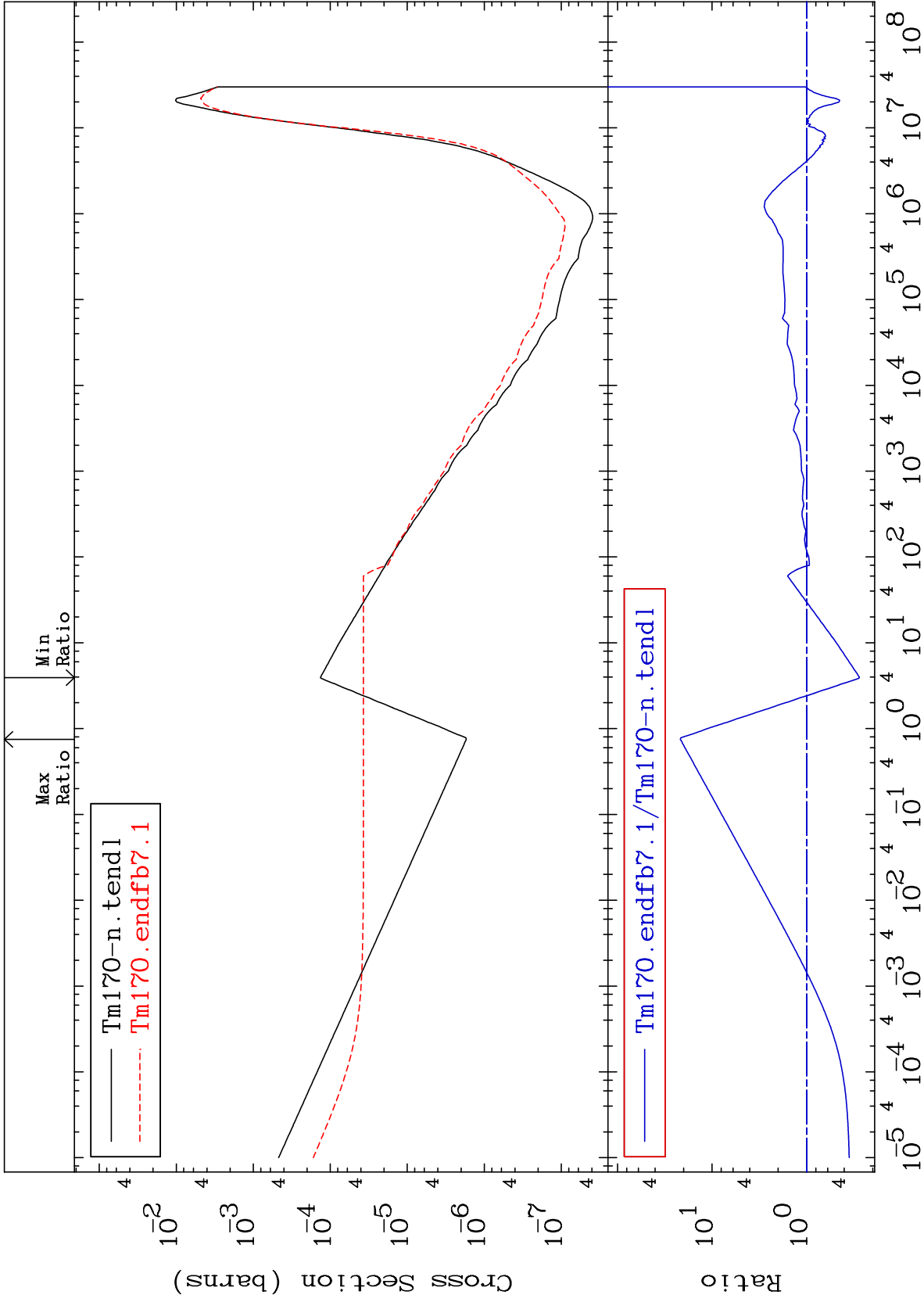
(n,He-3)

69-Tm-170

Cross Section

294.9 To 9999. %

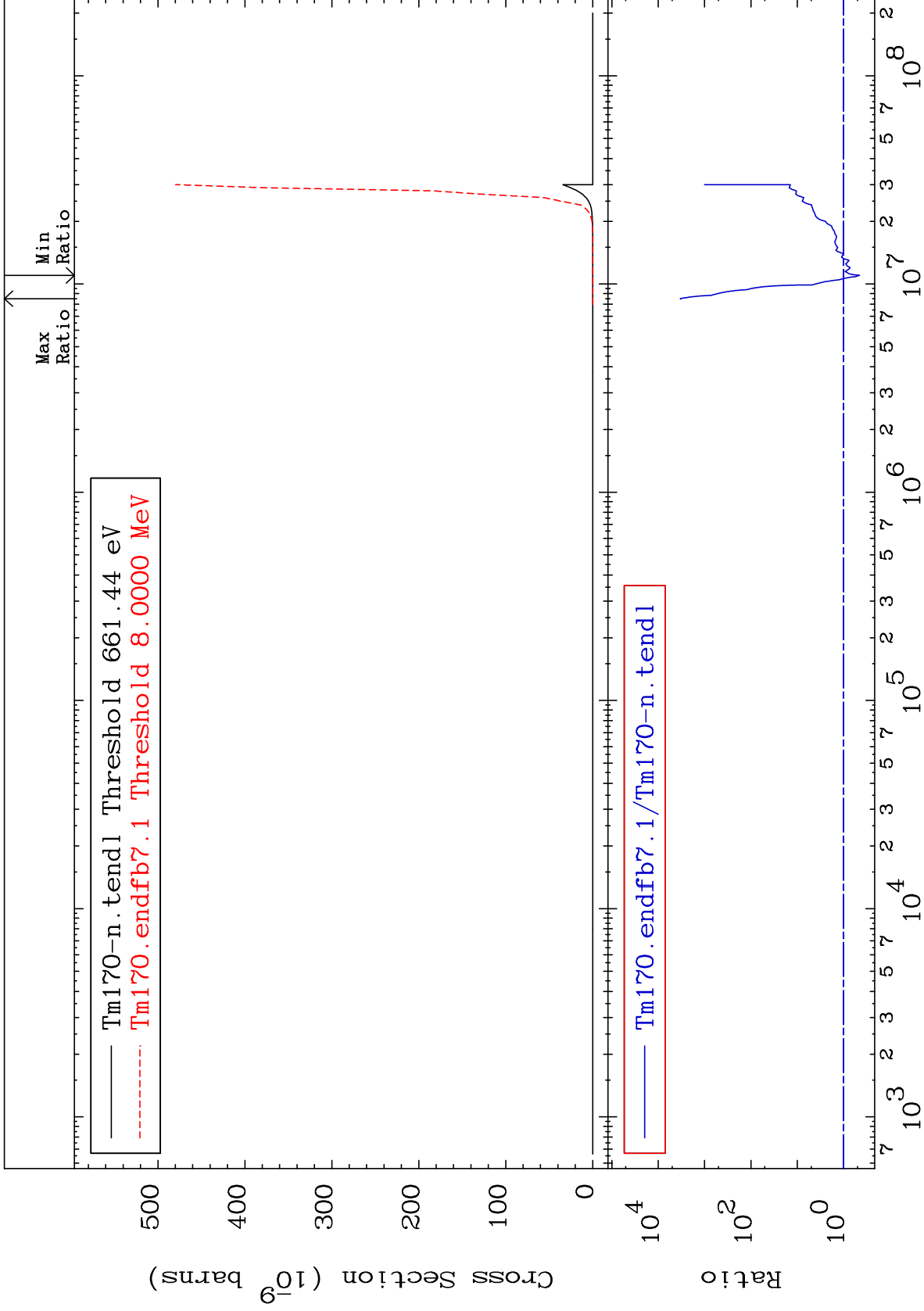




MAT 6928

(n, p) α
Cross Section

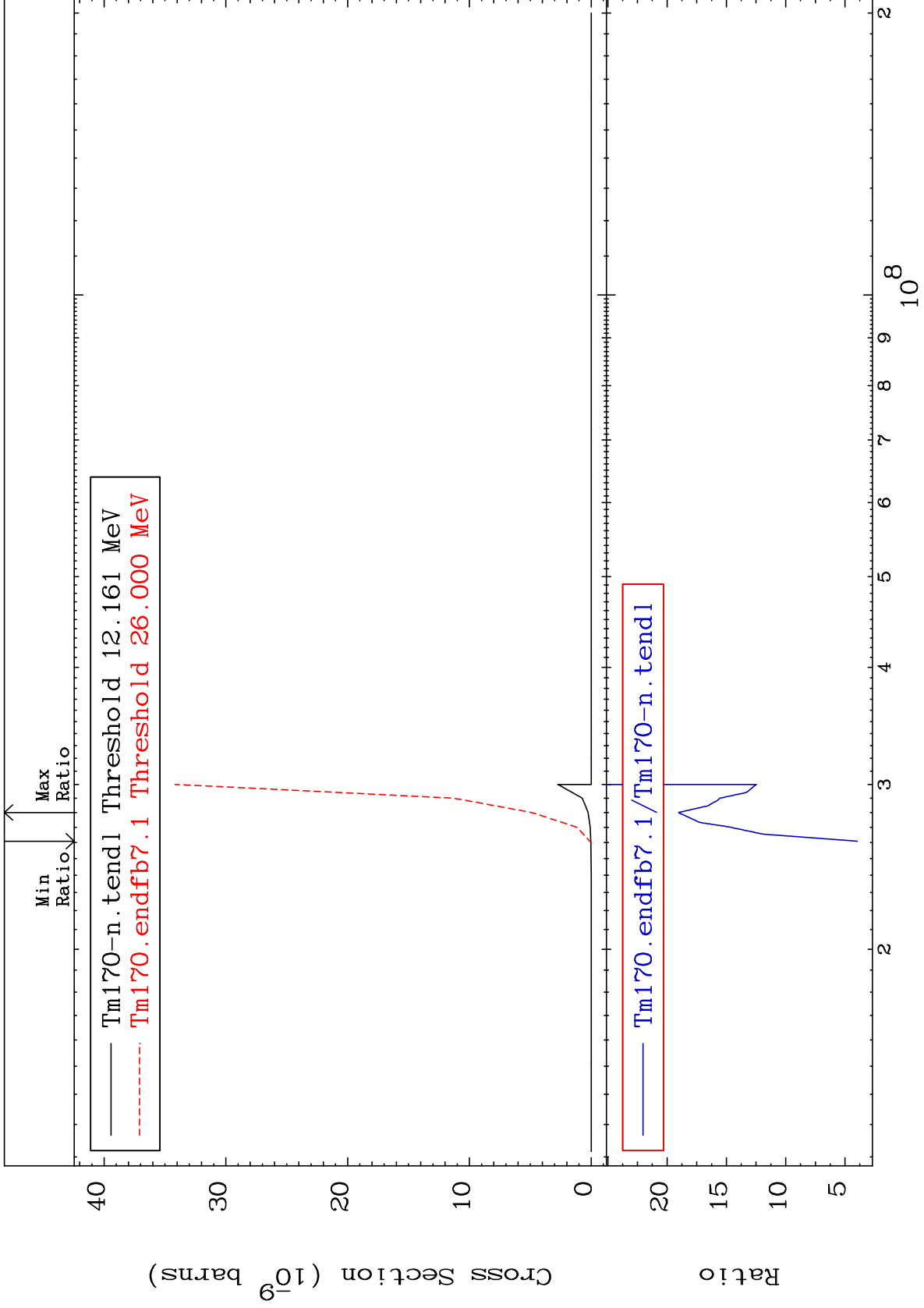
69-Tm-170
-54.43 To 9999. %



MAT 6928

(n,p) d
Cross Section

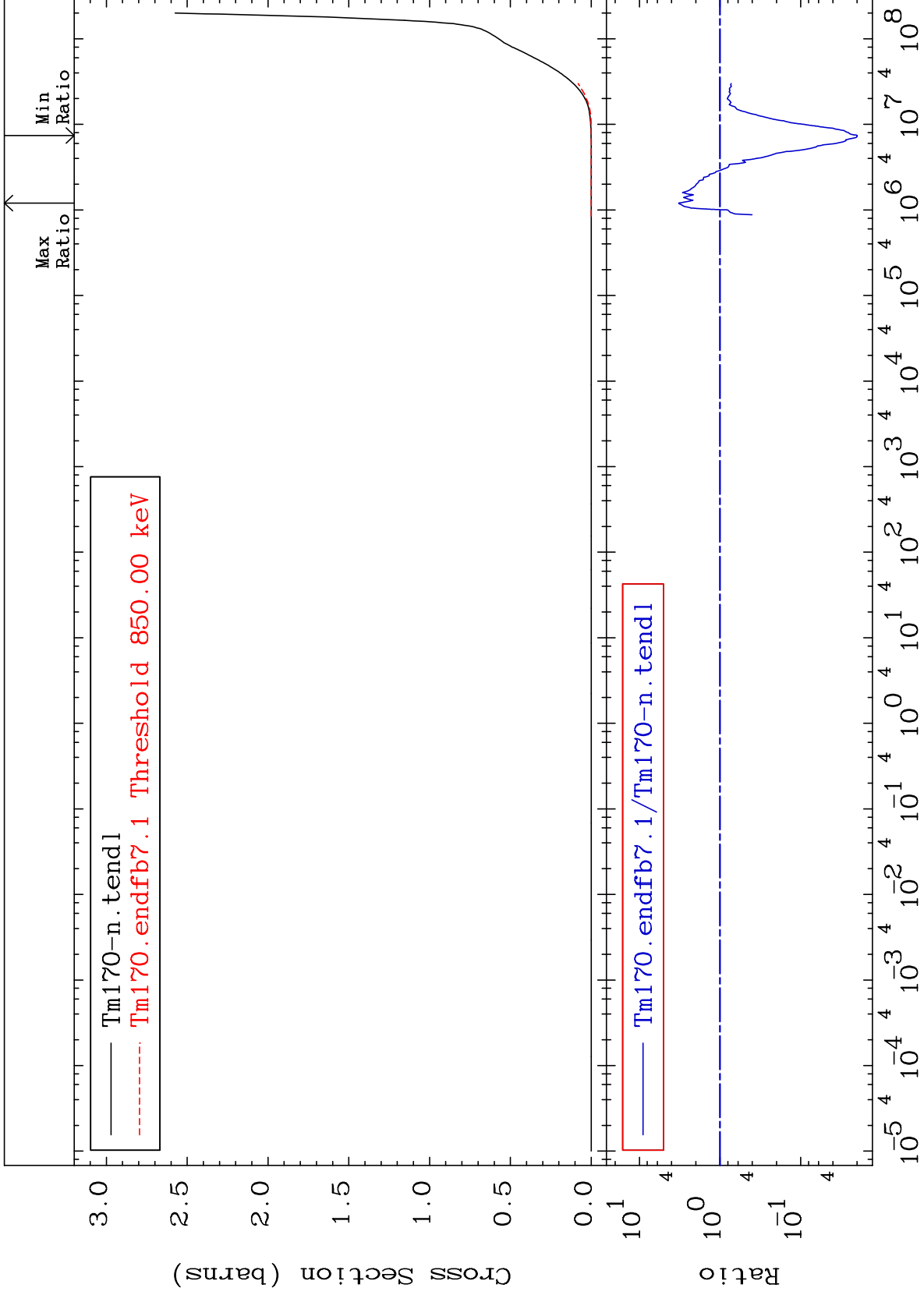
69-Tm-170
296.7 To 1803. %



MAT 6928

Hydrogen Production
Cross Section

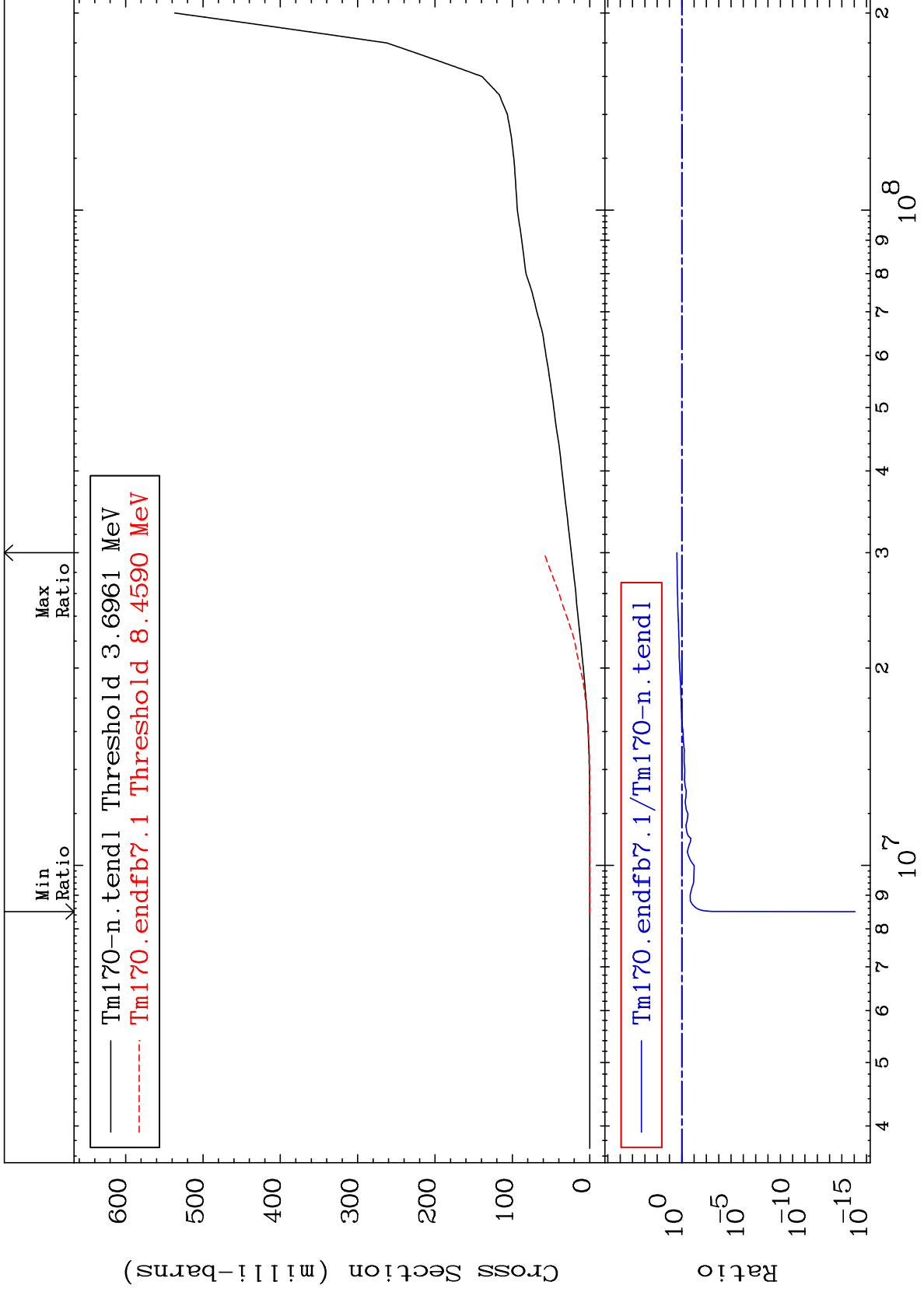
69-Tm-170
-98.01 To 226.5 %



MAT 6928

Deuterium Production
Cross Section

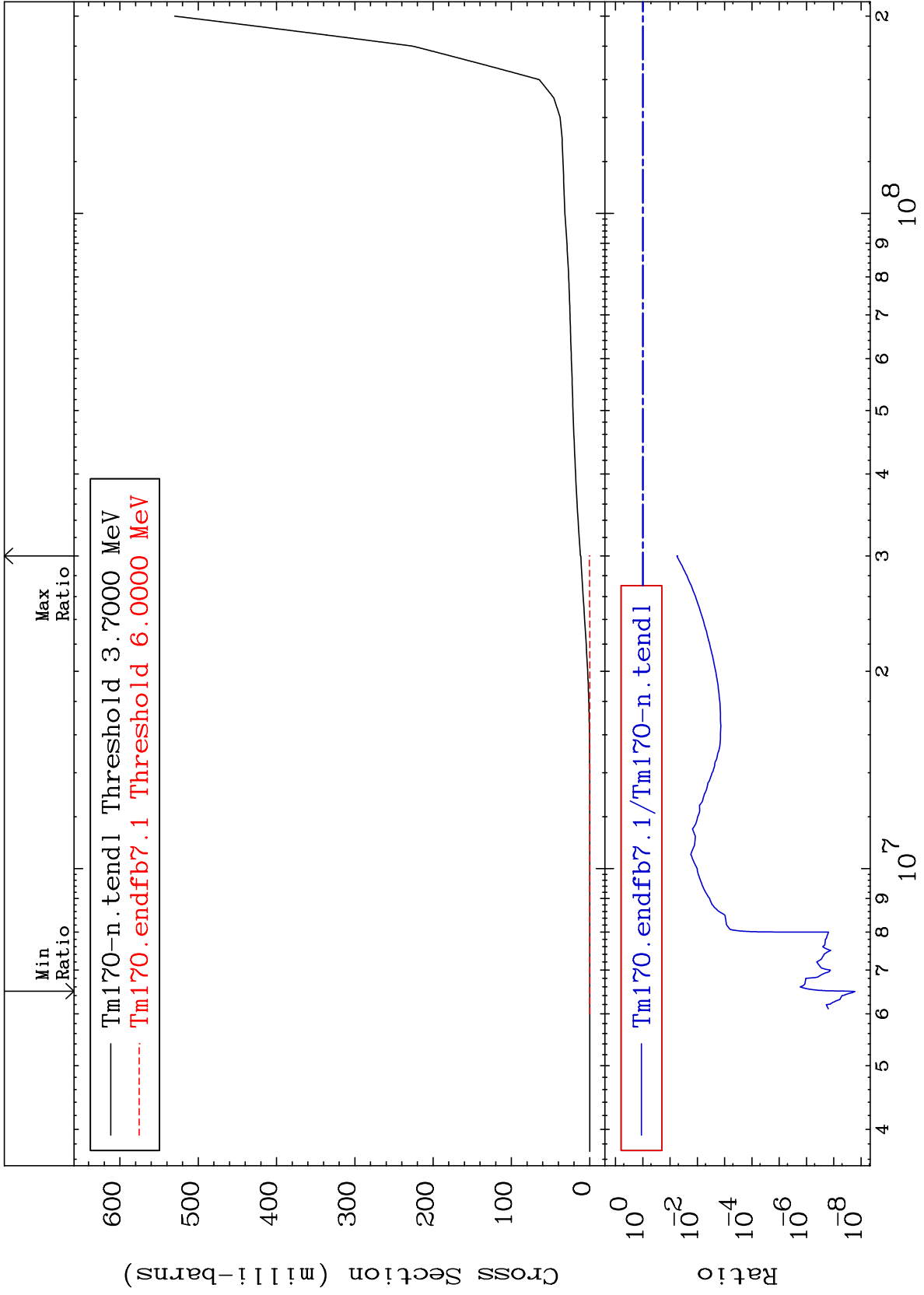
69-Tm-170
-100.0 To 147.8 %



MAT 6928

Tritium Production
Cross Section

69-Tm-170
-100.0 To -94.39%



50

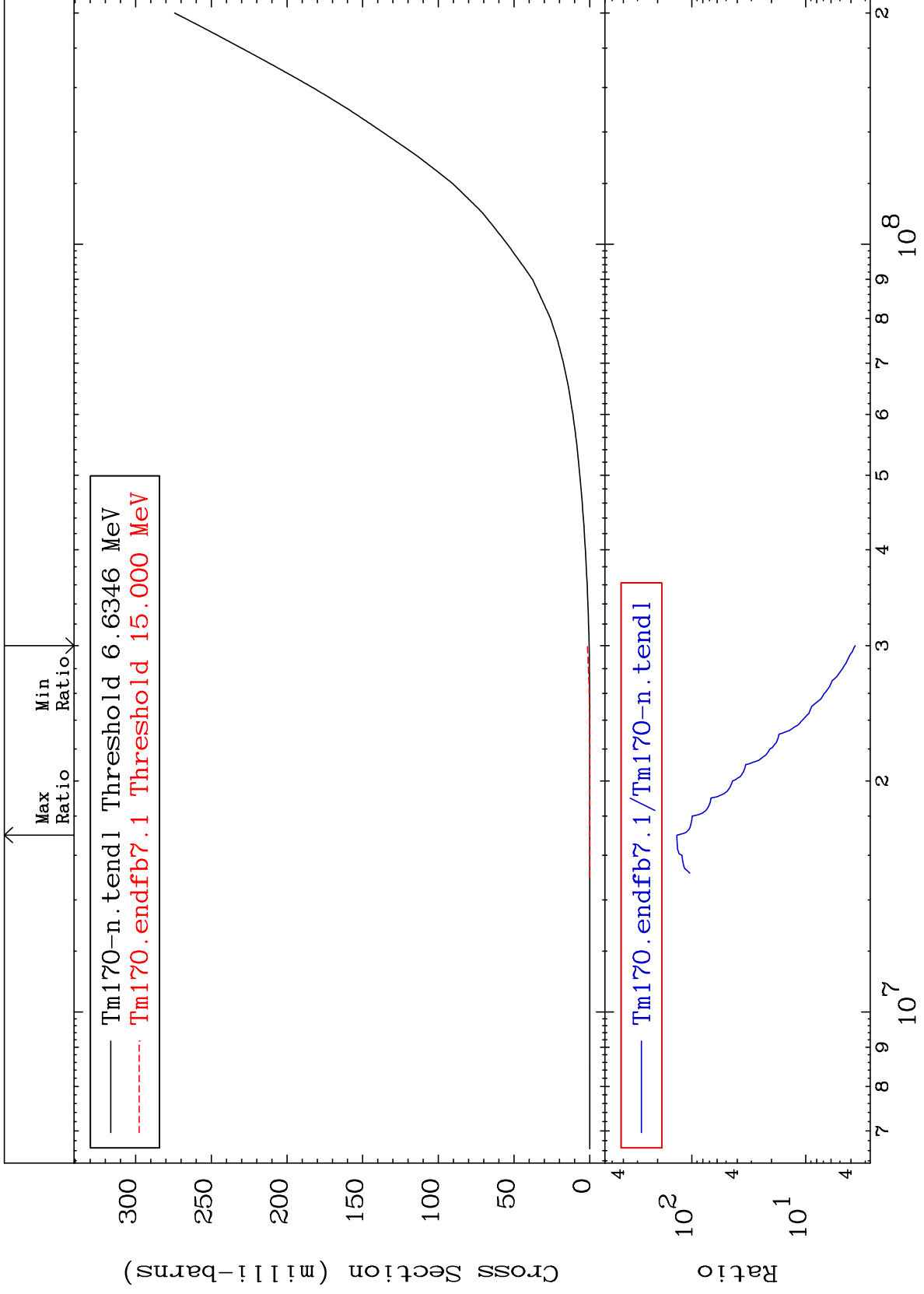
Incident Energy (eV)

69-Tm-170

MAT 6928

He-3 Production
Cross Section

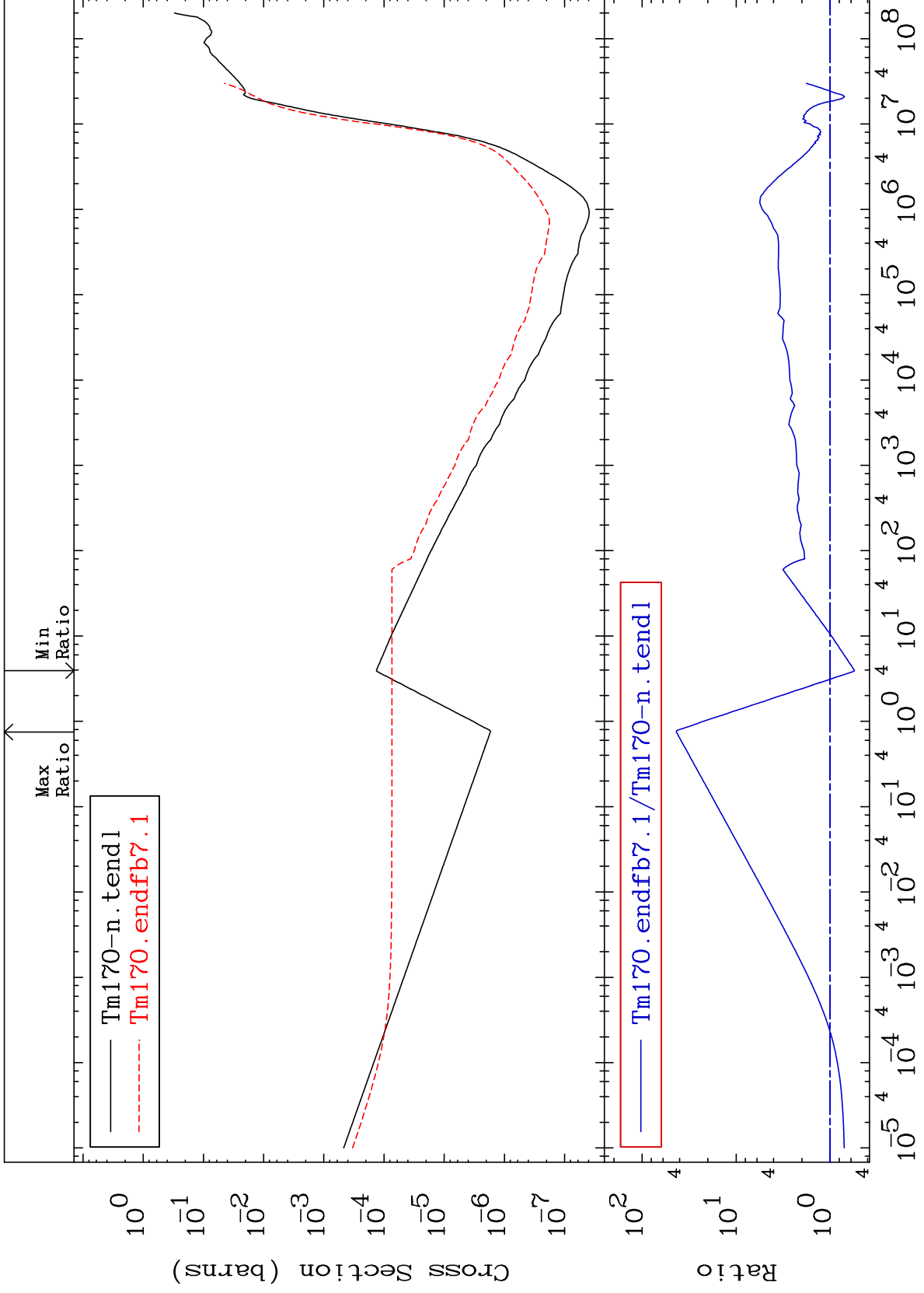
69-Tm-170
268.3 To 9999. %



MAT 6928

He-4 Production
Cross Section

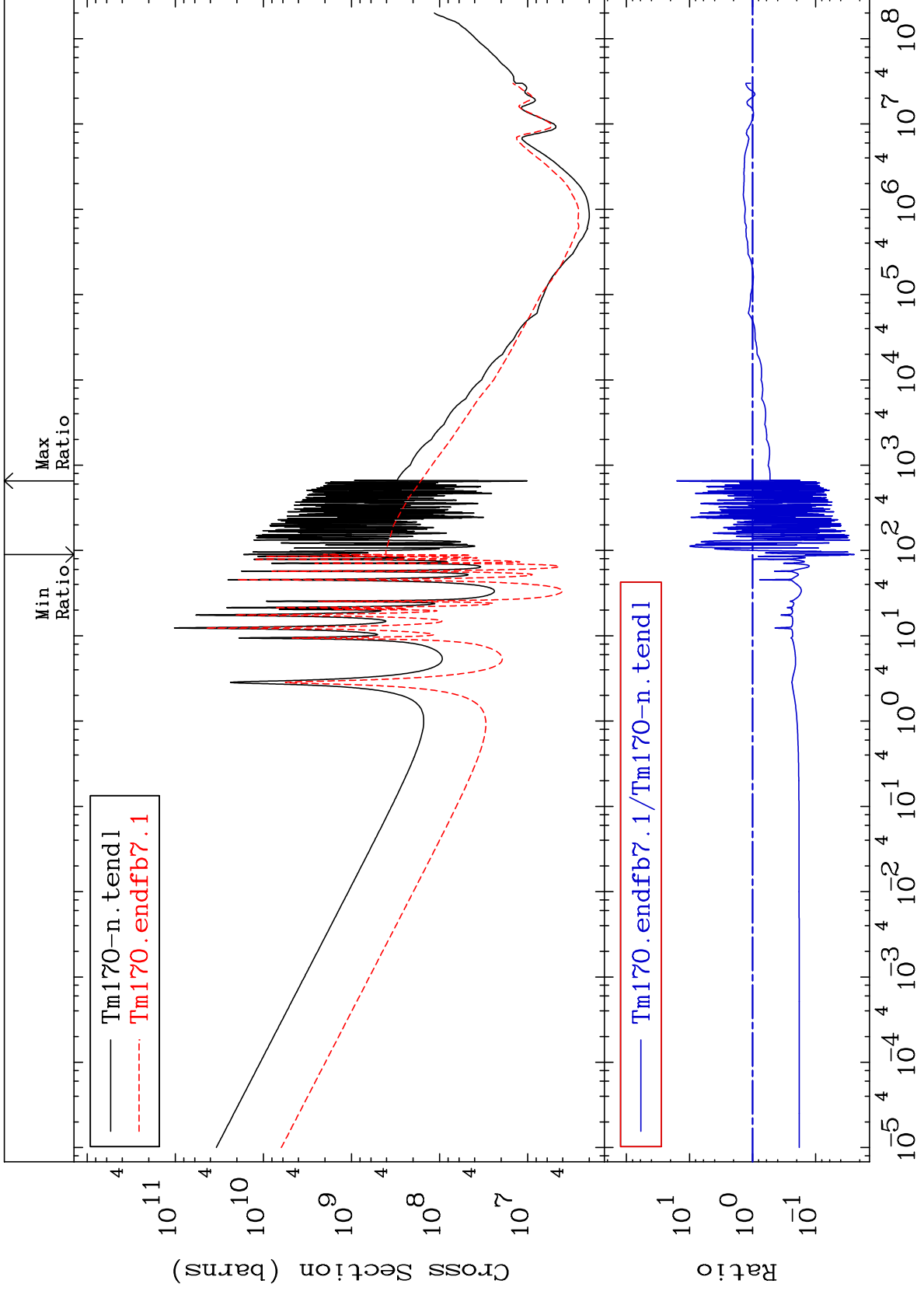
69-Tm-170
-44.67 To 4228. %



MAT 6928

Kerma total (eV-barns)
Cross Section

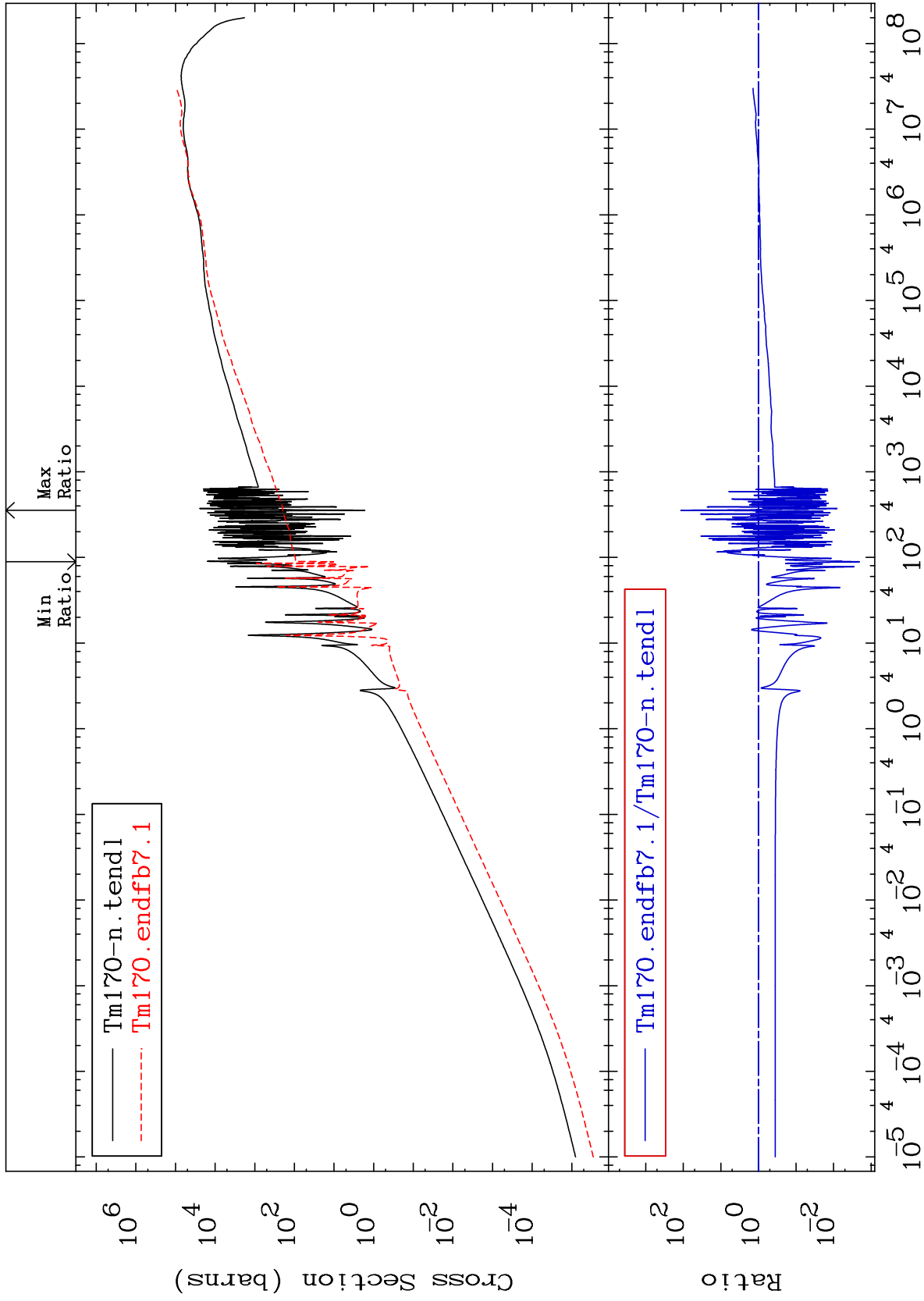
69-Tm-170
-97.57 To 1514. %



MAT 6928

Kerma elastic
Cross Section

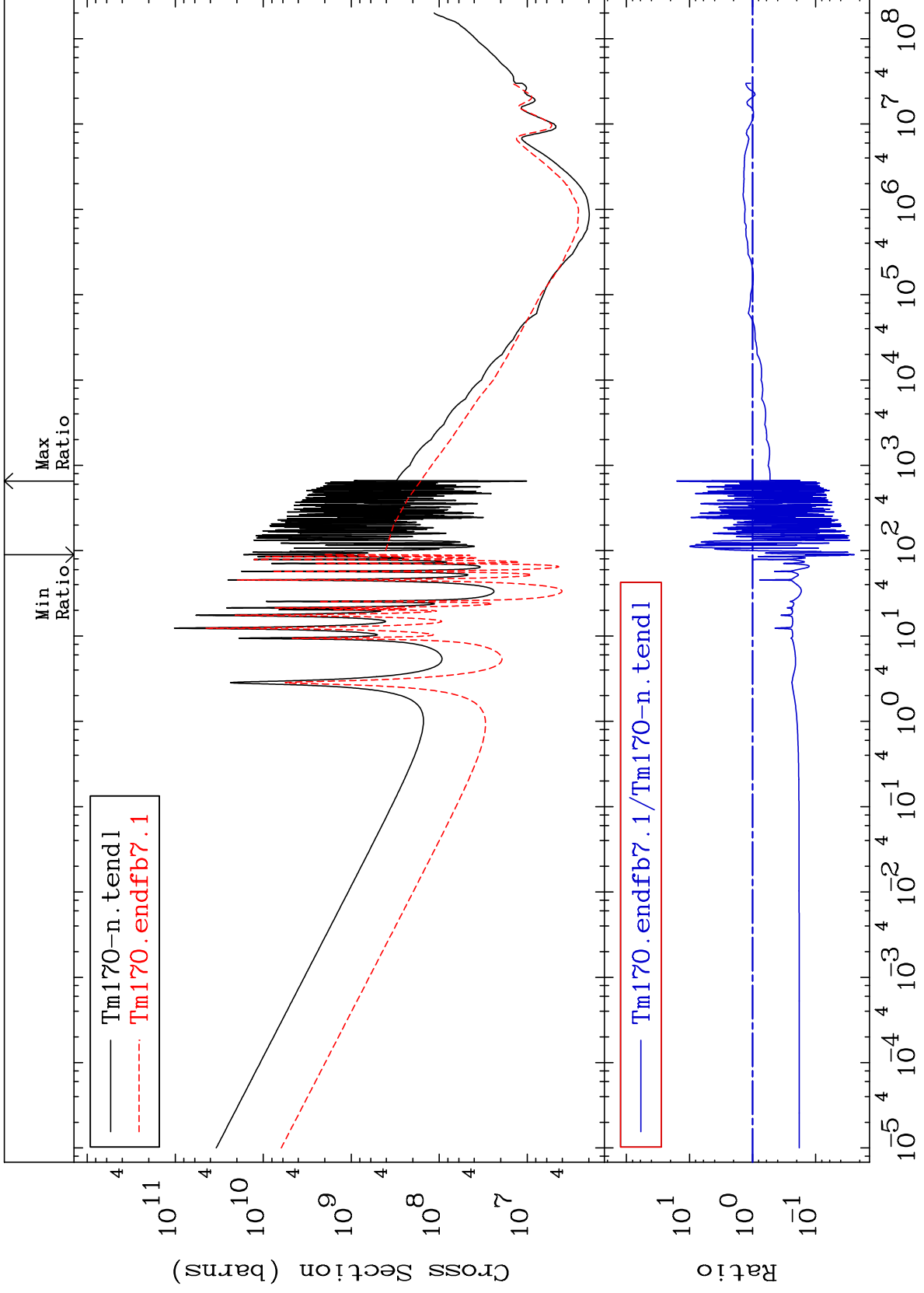
69-Tm-170
-99.80 To 9999. %



MAT 6928

Kerma non-elastic (all but mt2)
Cross Section

69-Tm-170
-97.57 To 1515. %



55

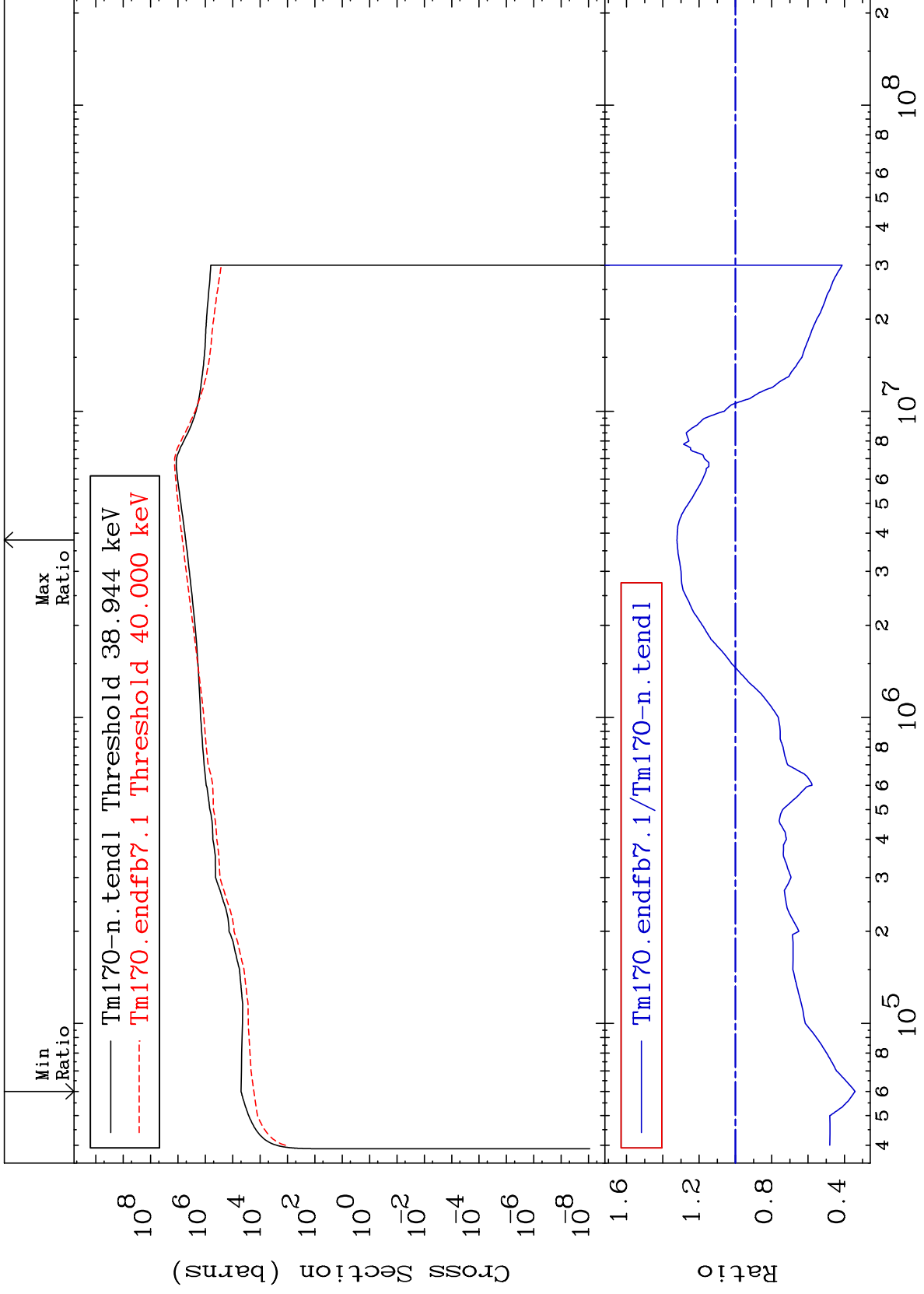
Incident Energy (eV)

69-Tm-170

MAT 6928

Kerma inelastic (mt51-91)
Cross Section

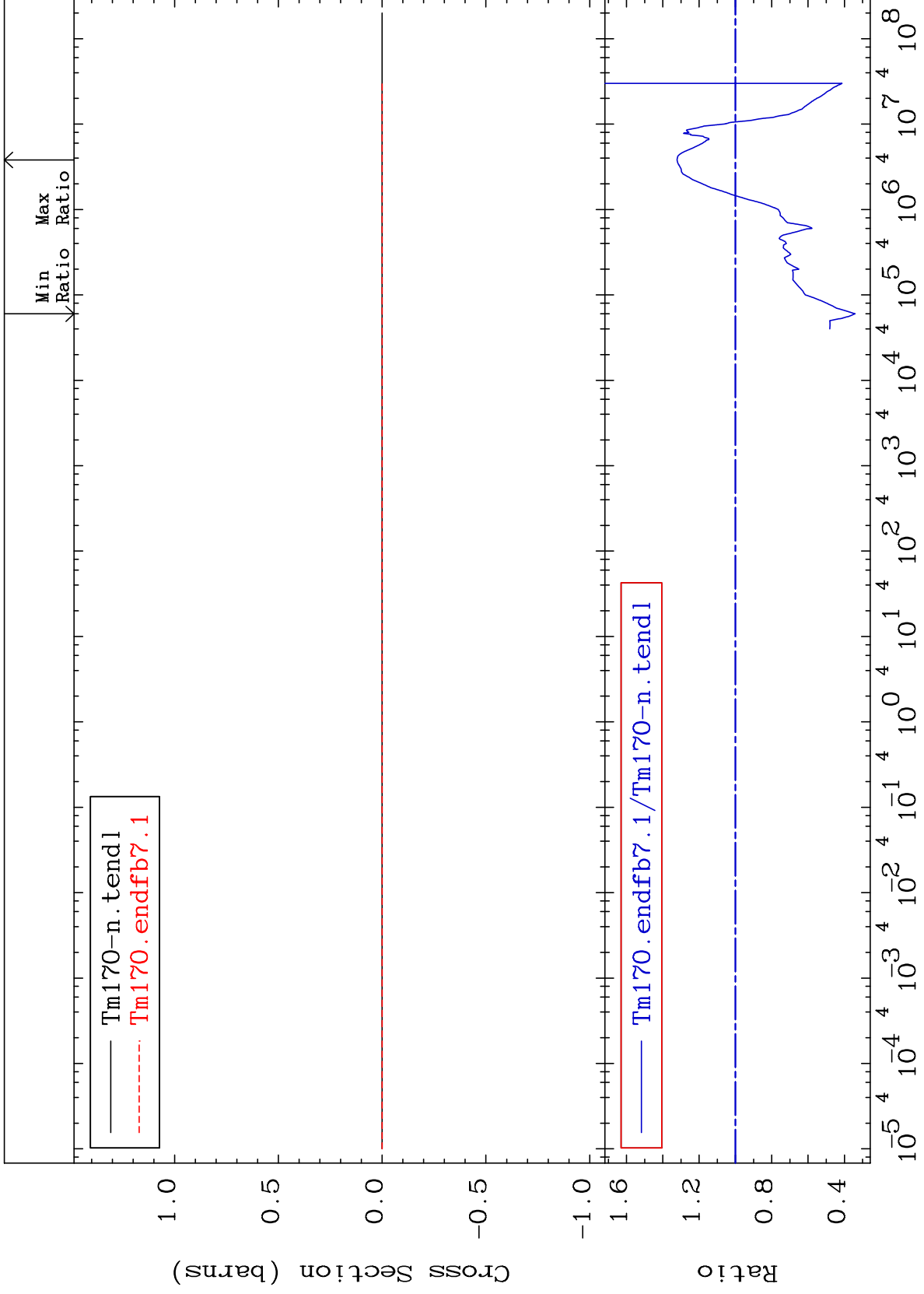
69-Tm-170
-65.88 To 32.23 %



MAT 6928

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

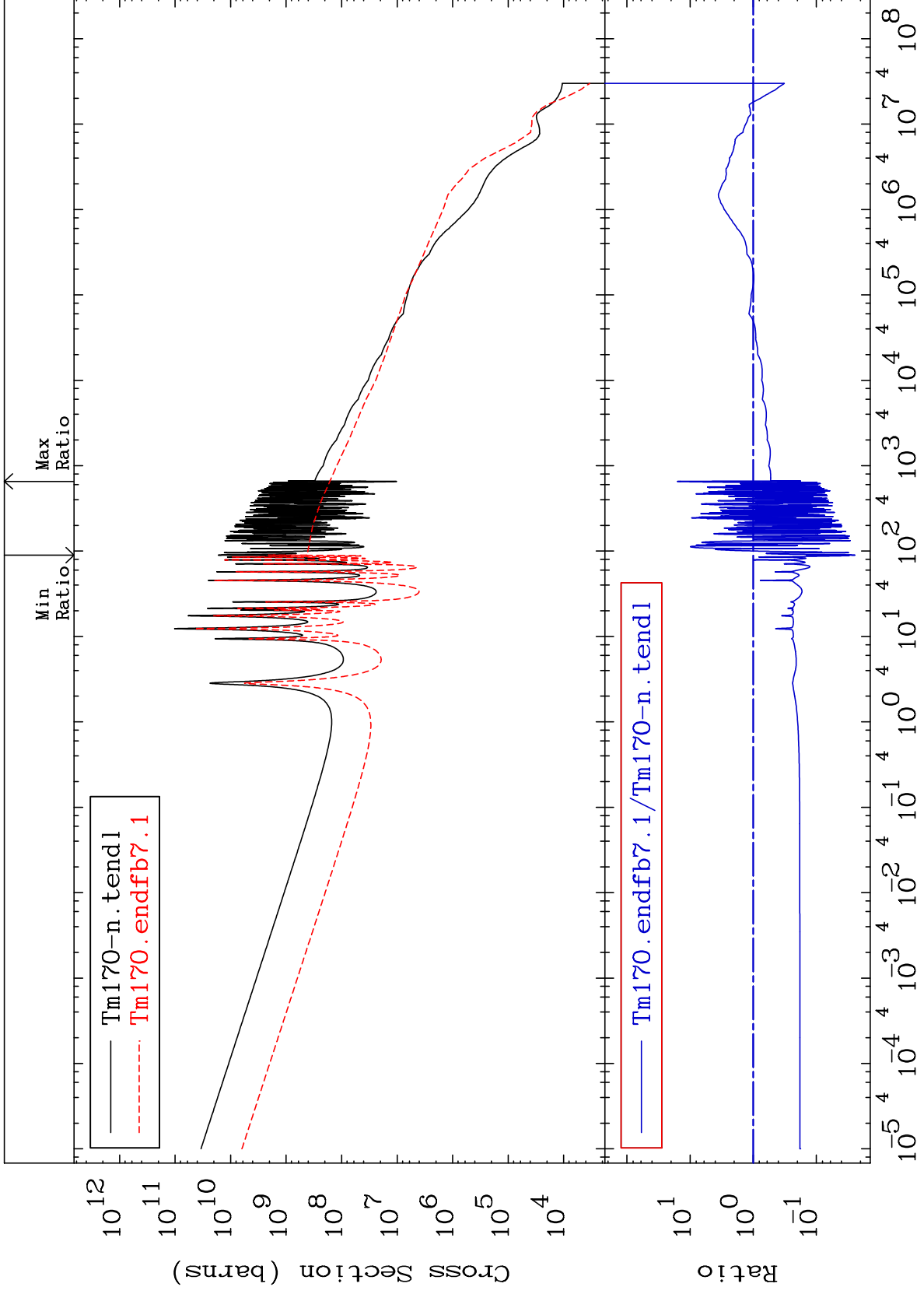
69-Tm-170
-65.88 To 32.23 %



MAT 6928

Kerma capture (mt102)
Cross Section

69-Tm-170
-97.57 To 1515. %



58

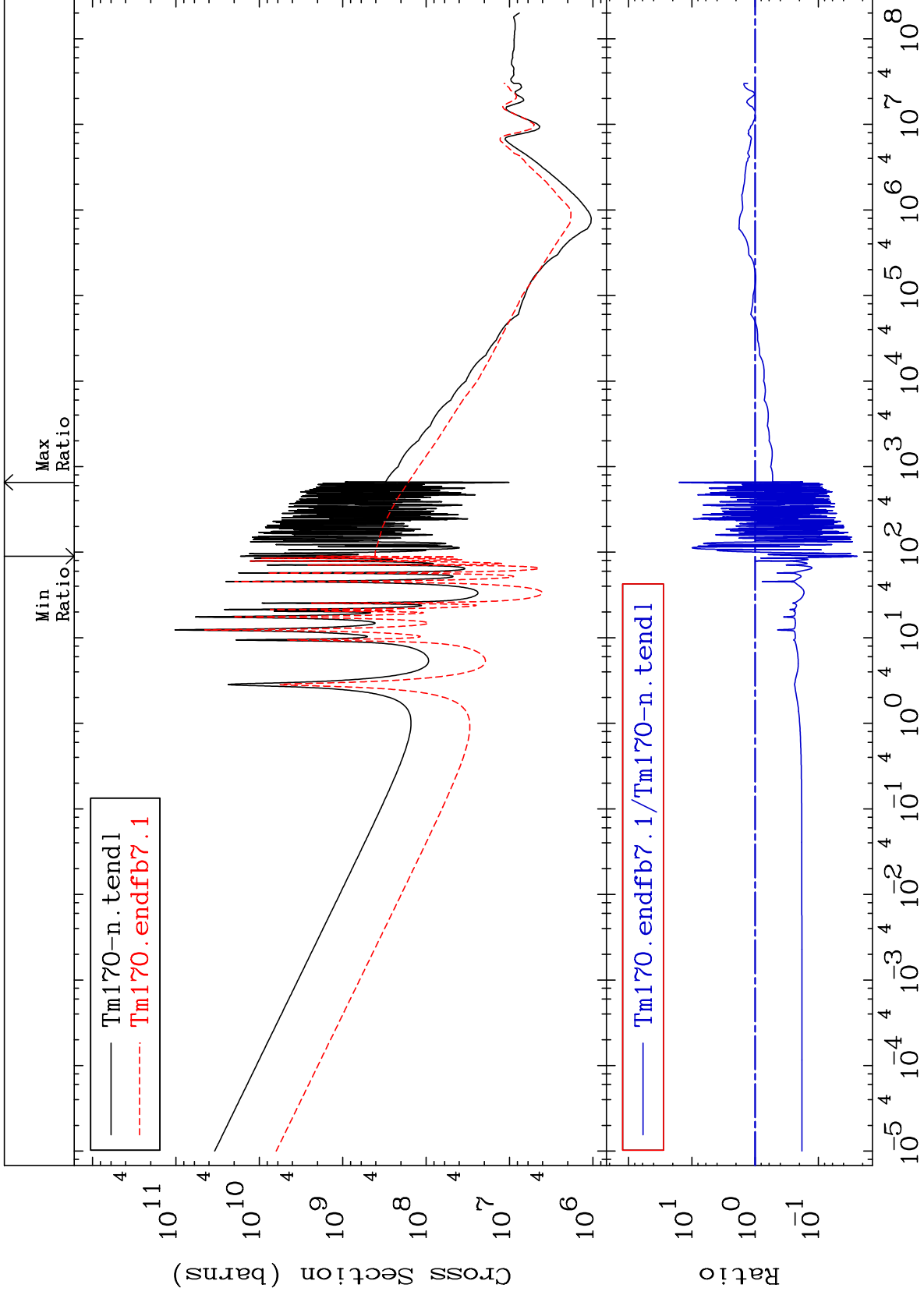
Incident Energy (eV)

69-Tm-170

MAT 6928

Total photon (eV-barns)
Cross Section

69-Tm-170
-97.57 To 1515. %



59

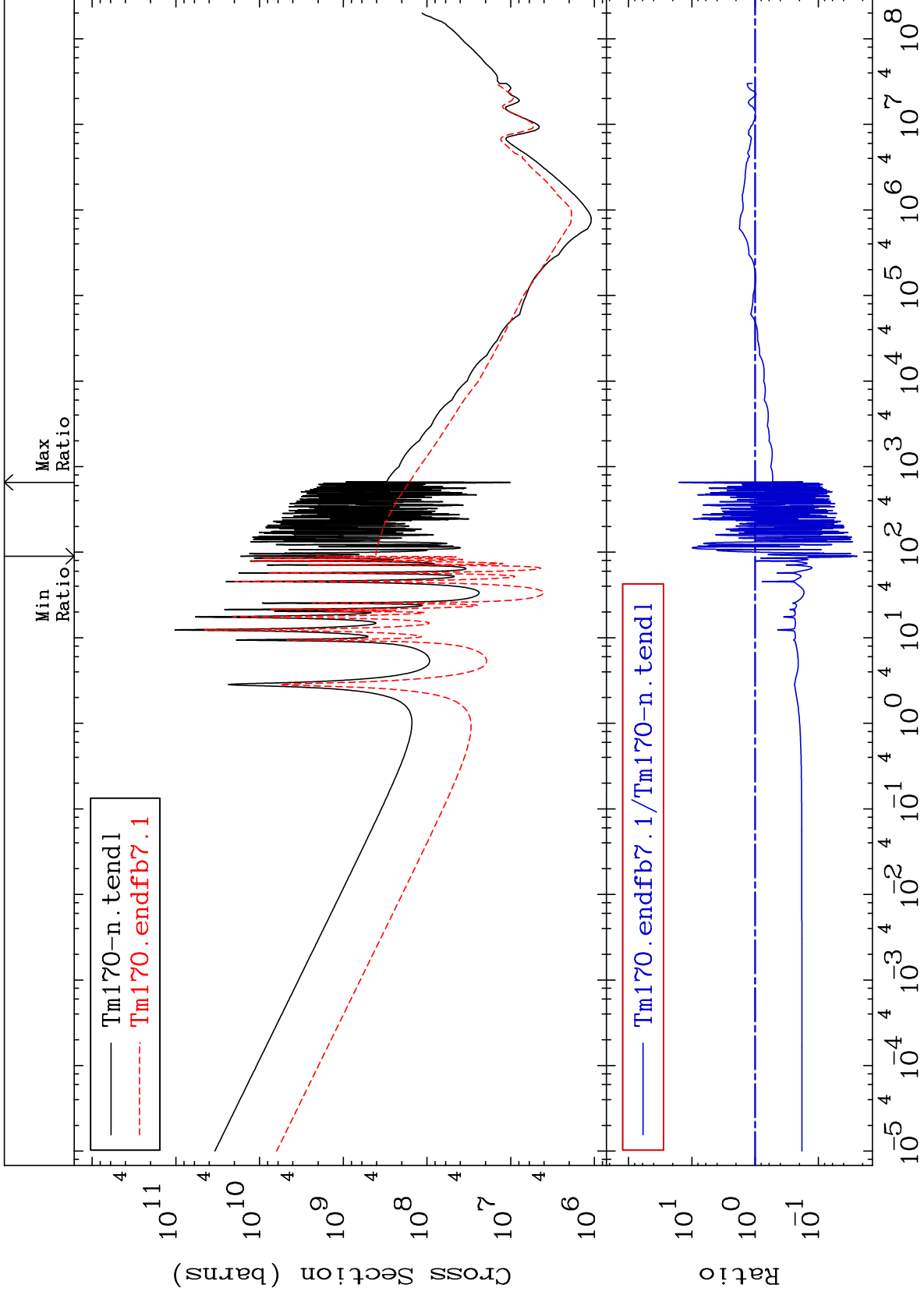
Incident Energy (eV)

69-Tm-170

MAT 6928

Total kinematic kerma (high limit)
Cross Section

69-Tm-170
-97.57 To 1514. %



60

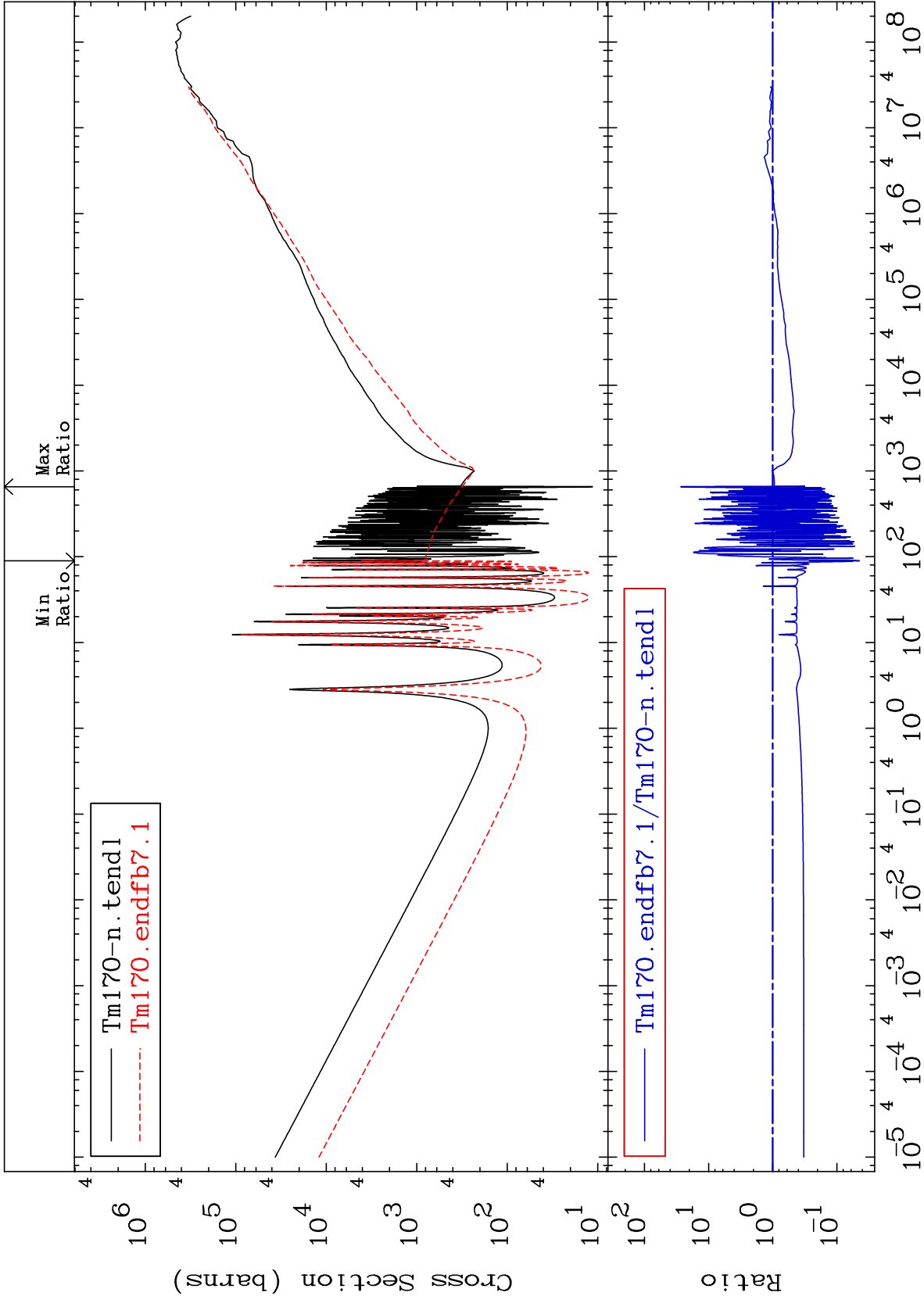
Incident Energy (eV)

69-Tm-170

MAT 6928

Dpa total (eV-barns)
Cross Section

69-Tm-170
-95.55 To 2663. %



61

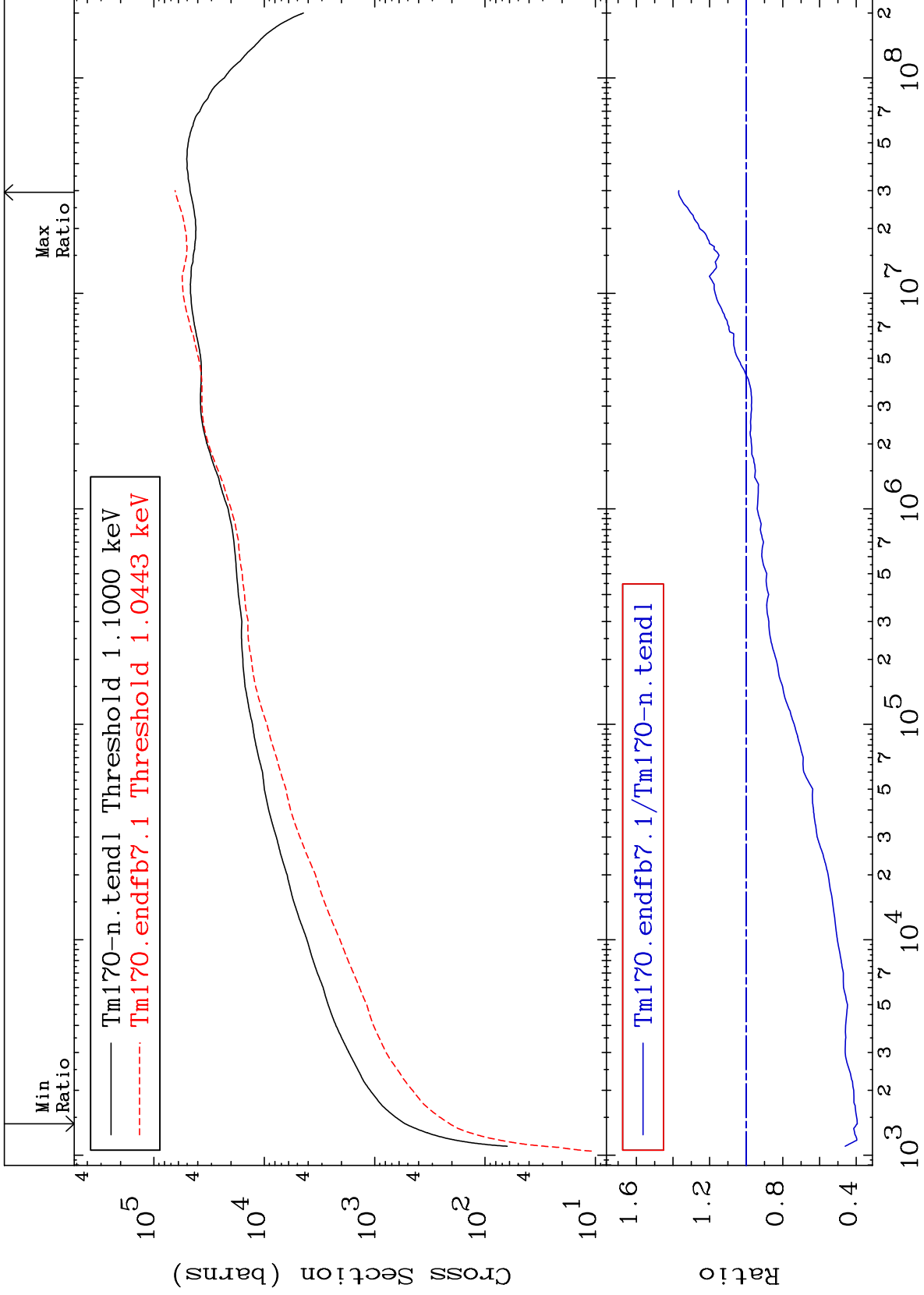
Incident Energy (eV)

69-Tm-170

MAT 6928

Dpa elastic (mt2)
Cross Section

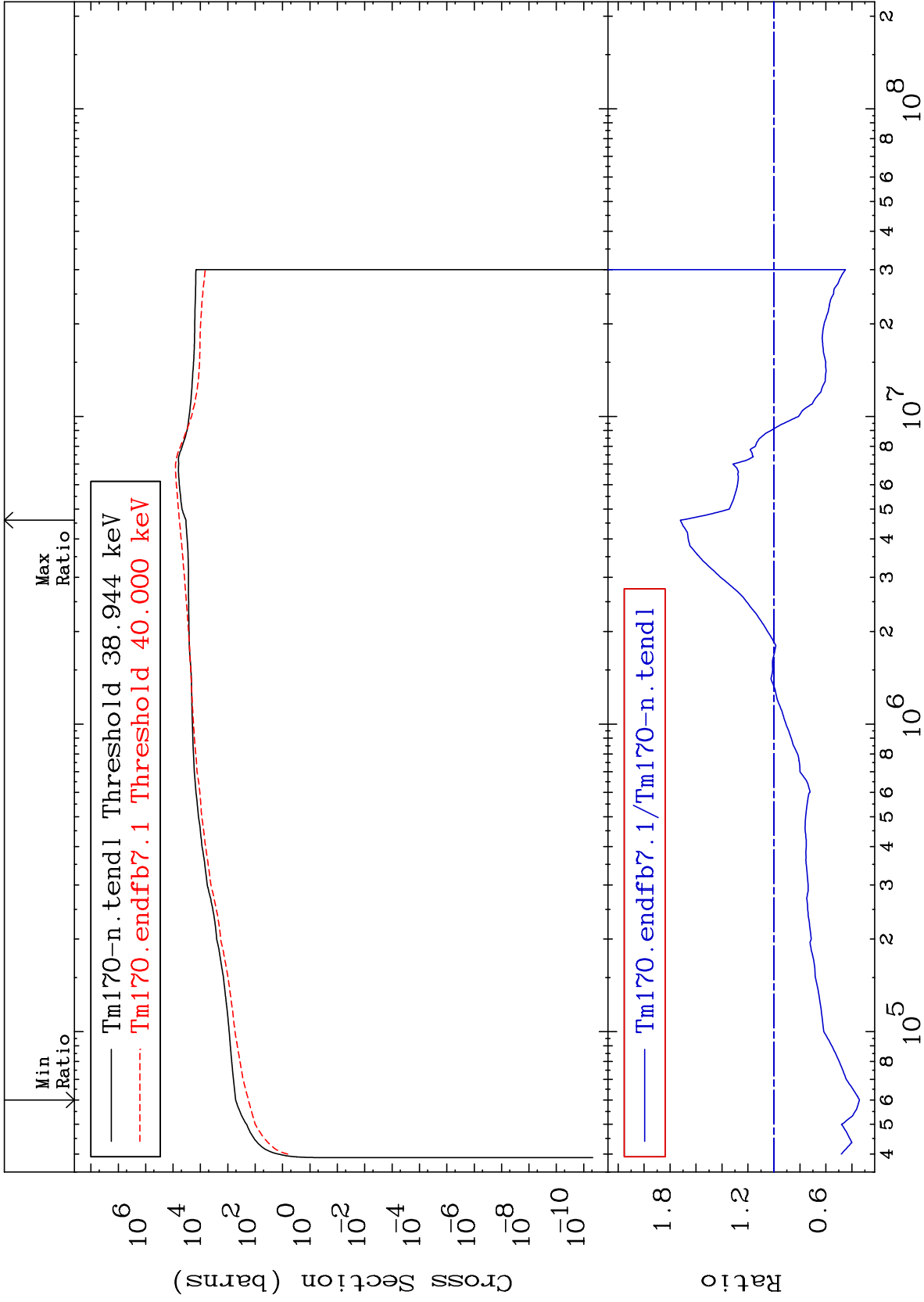
69-Tm-170
-60.60 To 36.90 %



62

Incident Energy (eV)

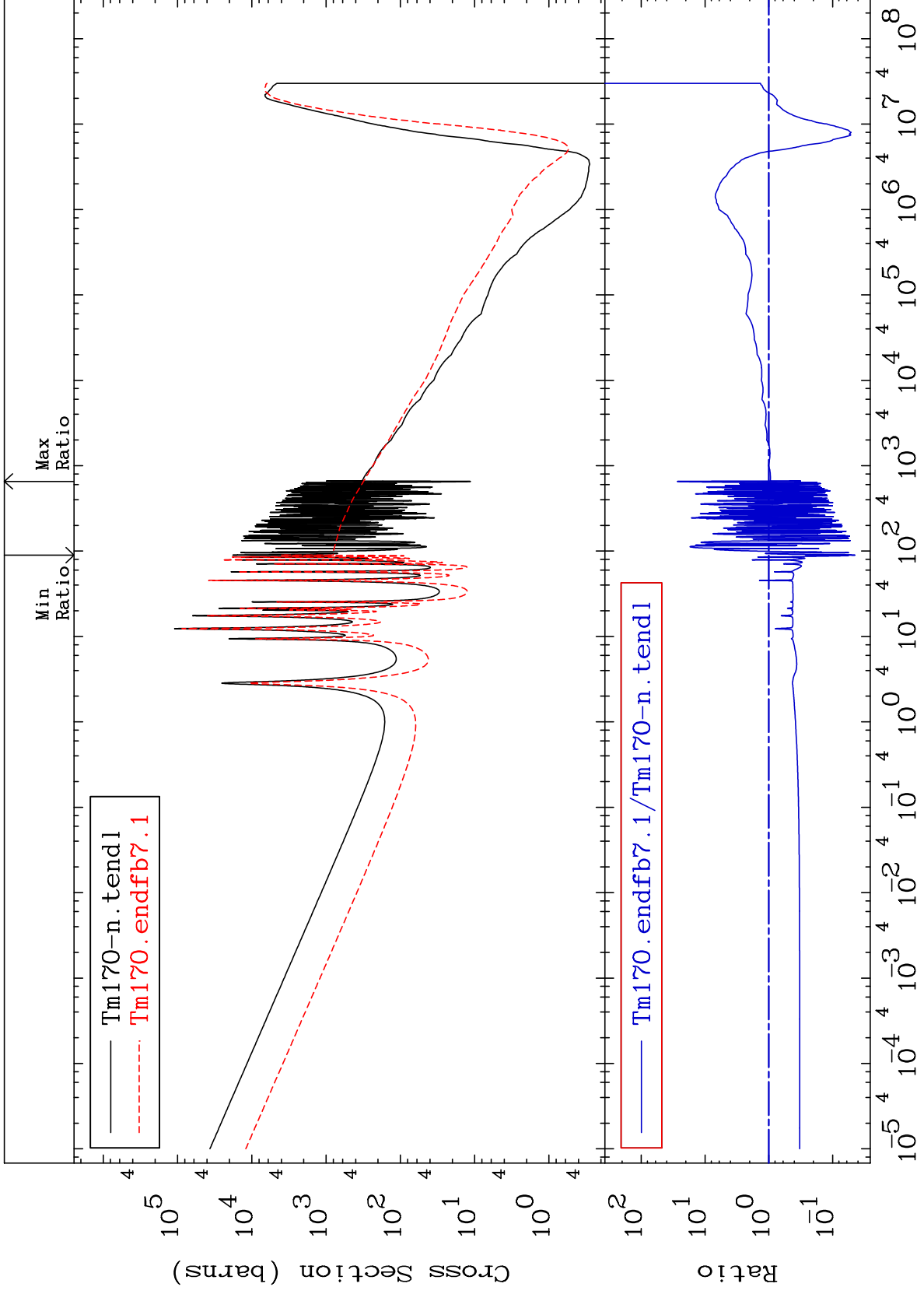
69-Tm-170



MAT 6928

Dpa disappearance (mt102 -120)
Cross Section

69-Tm-170
-95.55 To 2663. %

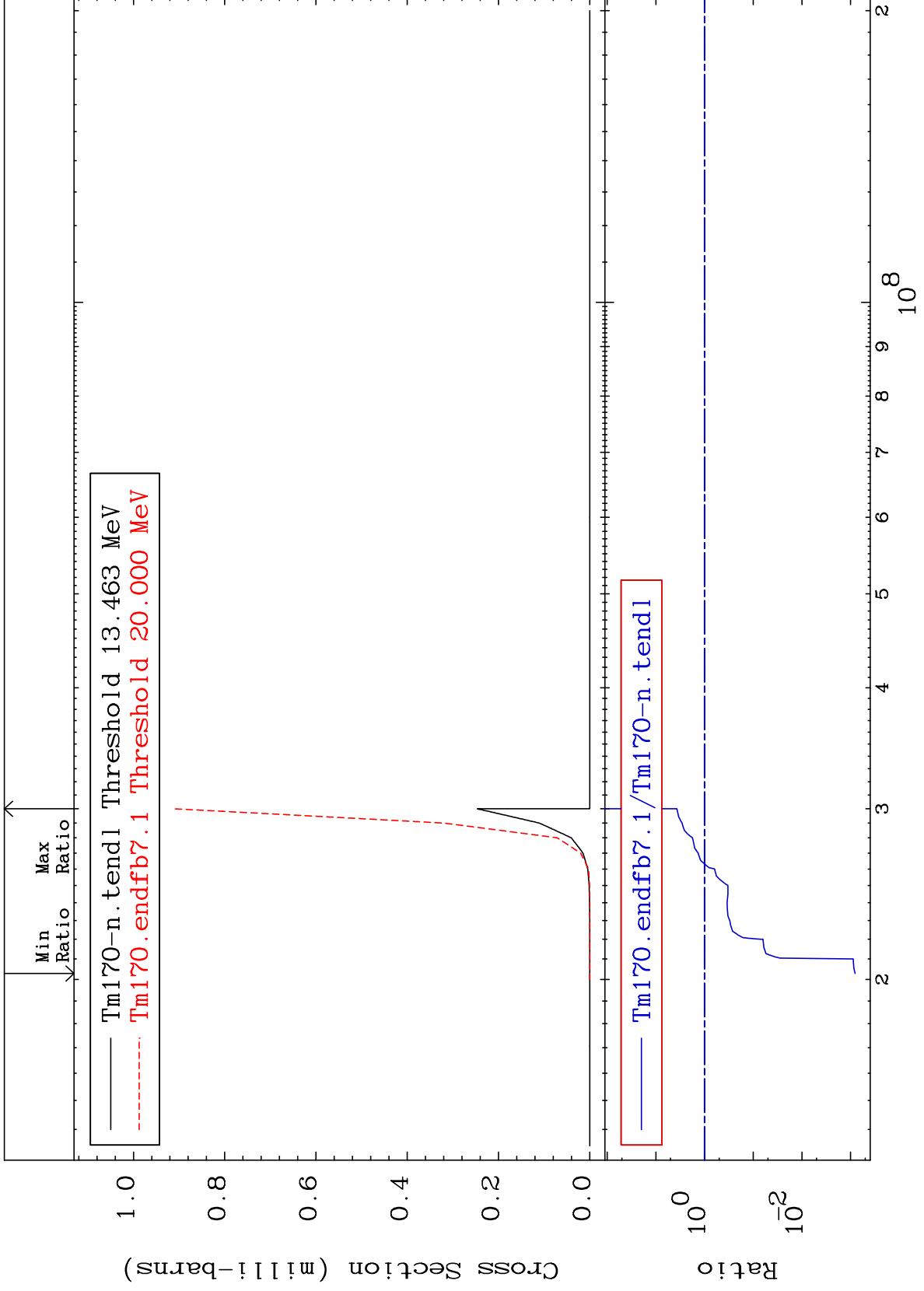


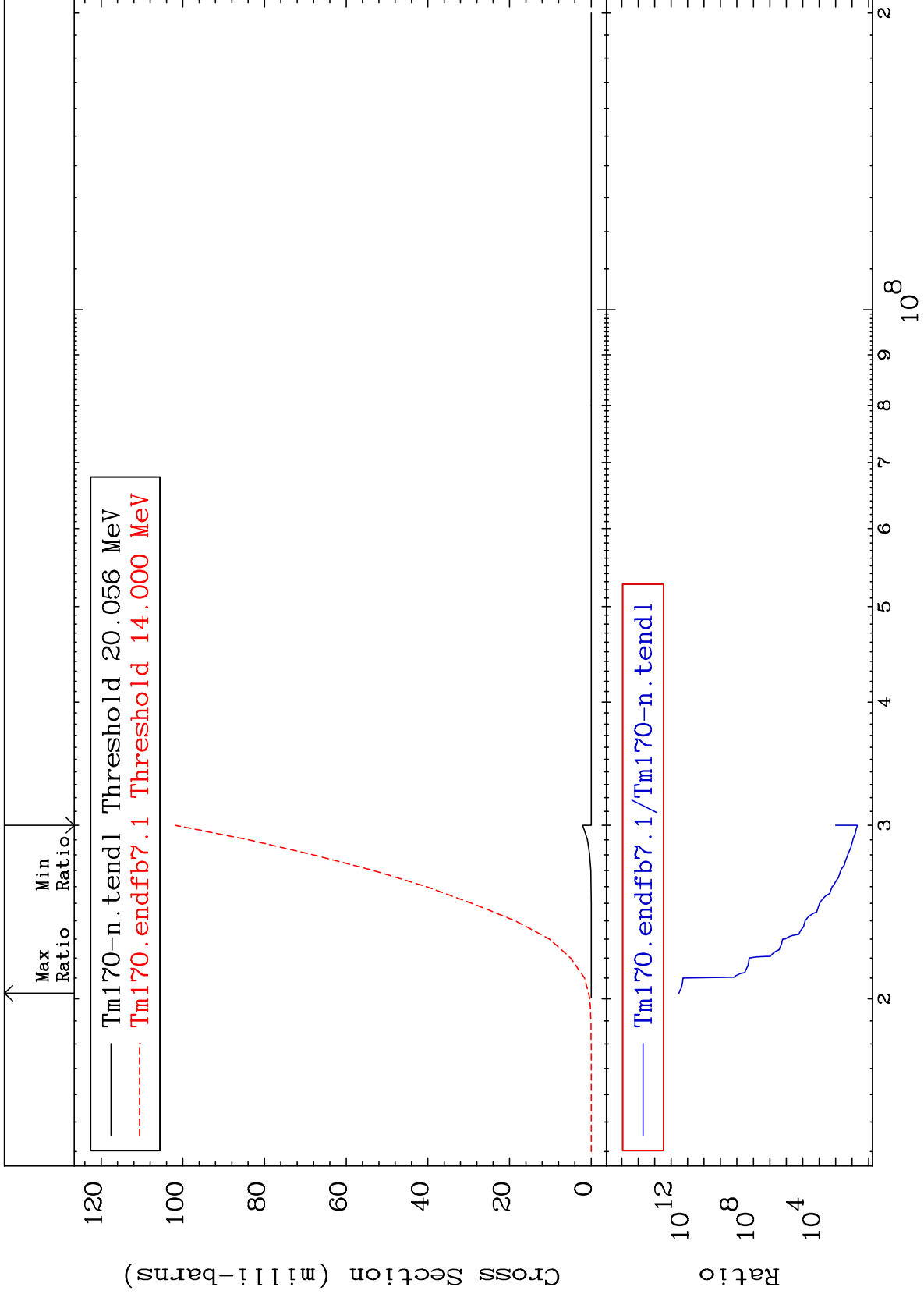
MAT 6928

(n,3n) α :67-Ho-164g

69-Tm-170

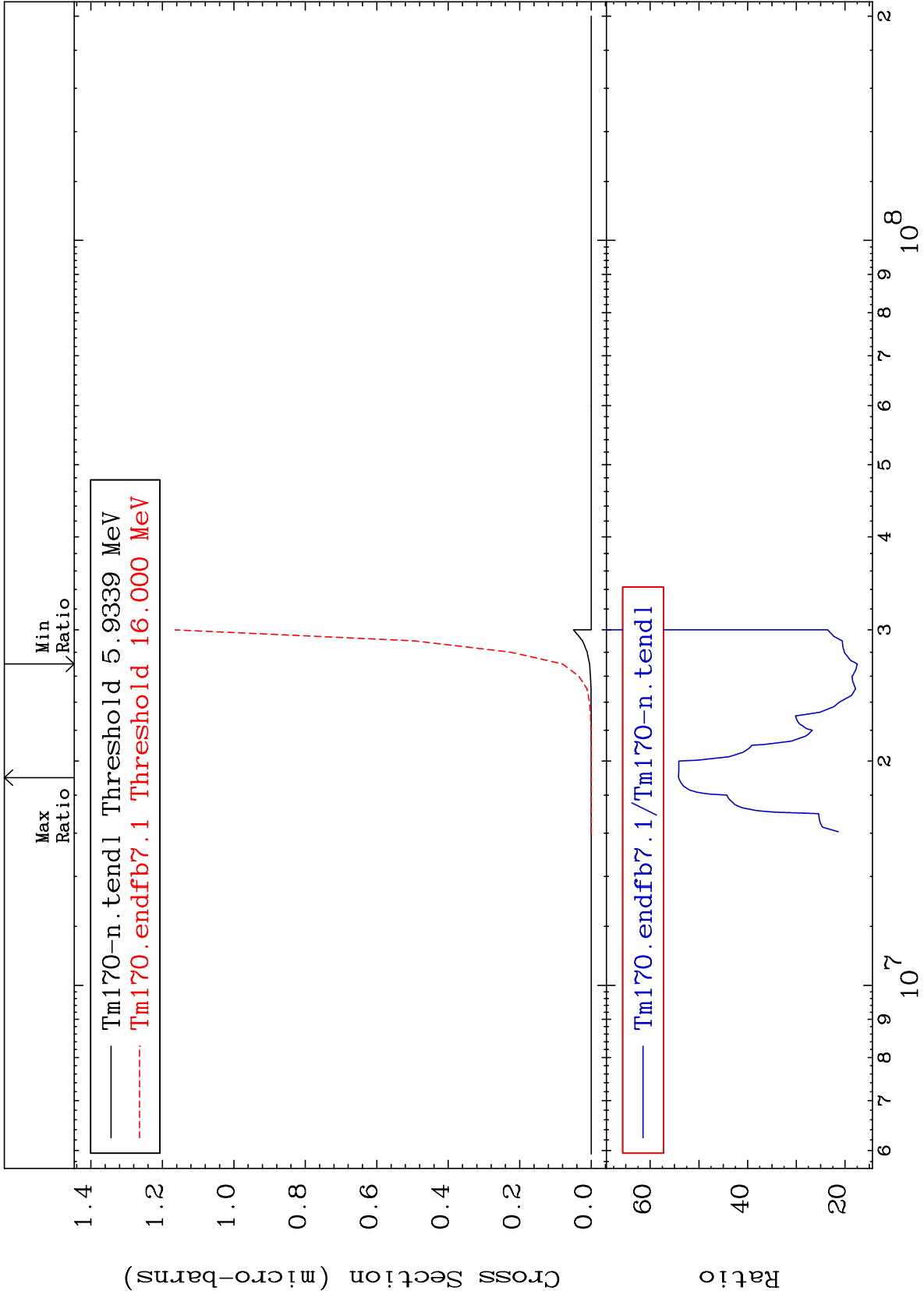
Radionuclide Production Cross Section -99.92 To 269.4 %





MAT 6928

(n, n') p α : 66-Dy-165g 69-Tm-170
Radionuclide Production Cross Section 1649. To 5315. %



67

69-Tm-170

69-Tm-170