

Program Complot
(Version 2018-1)

by

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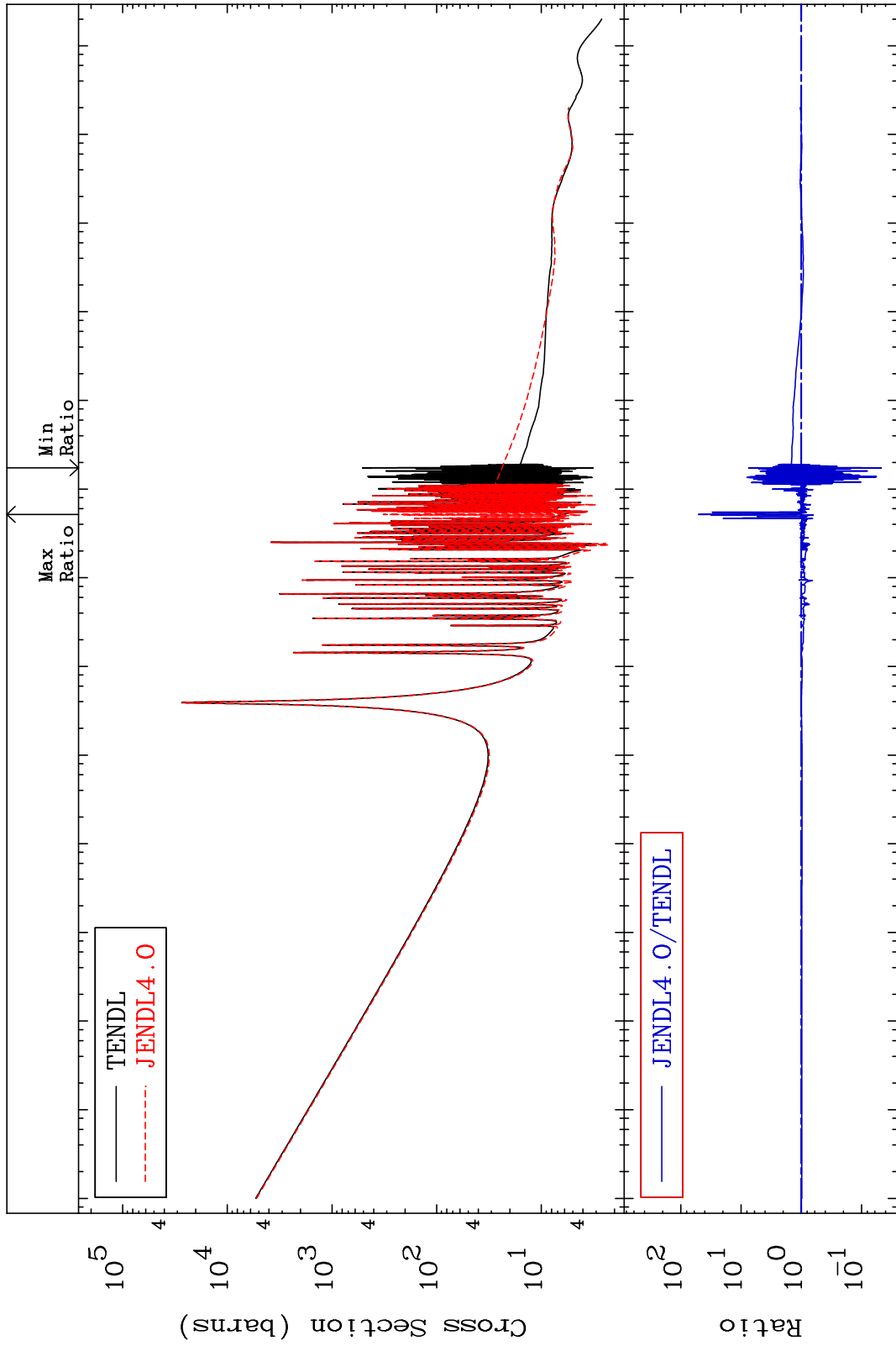
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6925

Total
Cross Section

69-Tm-169
-95.35 To 5022. %



Incident Energy (eV)

69-Tm-169

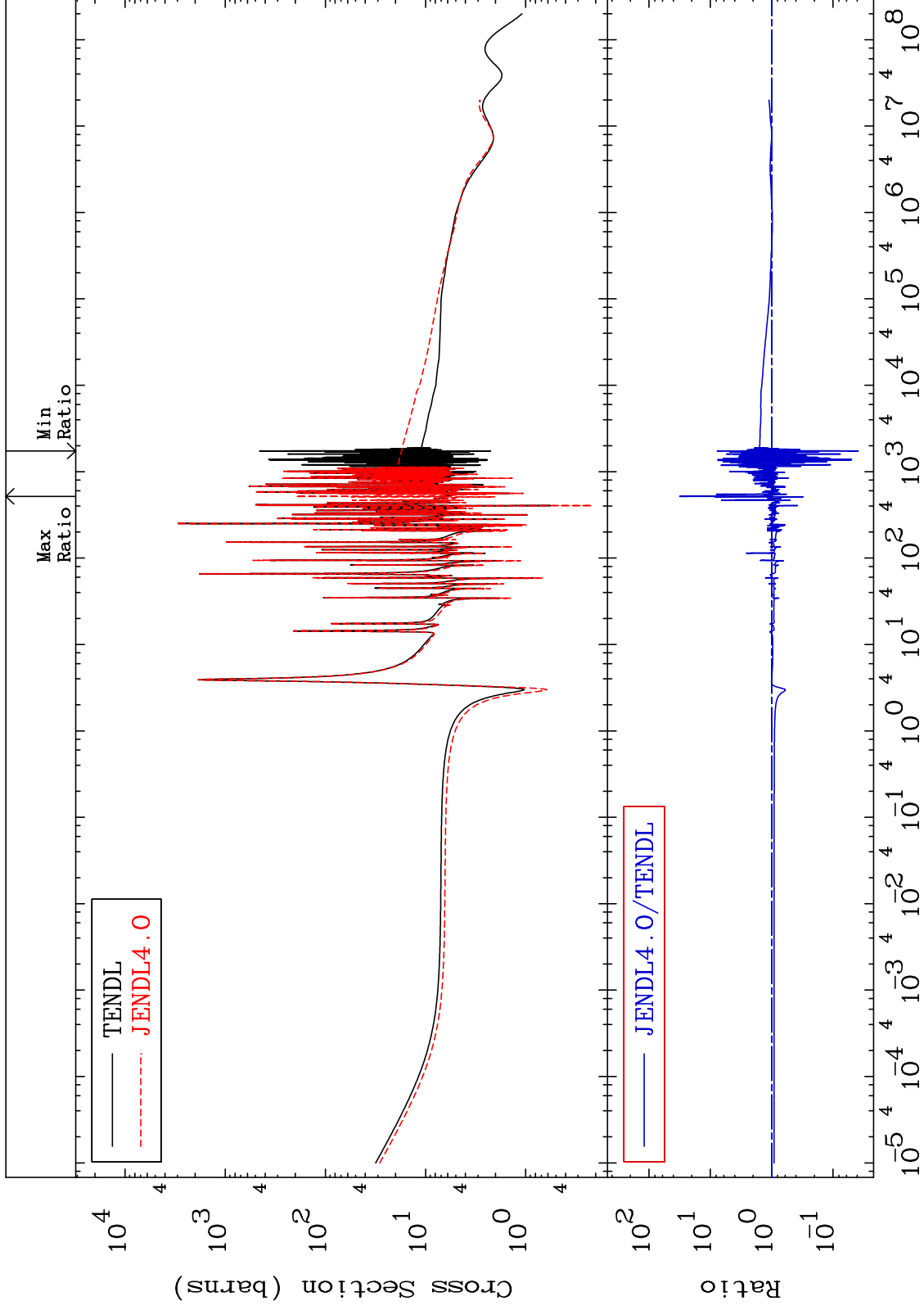
MAT 6925

Elastic

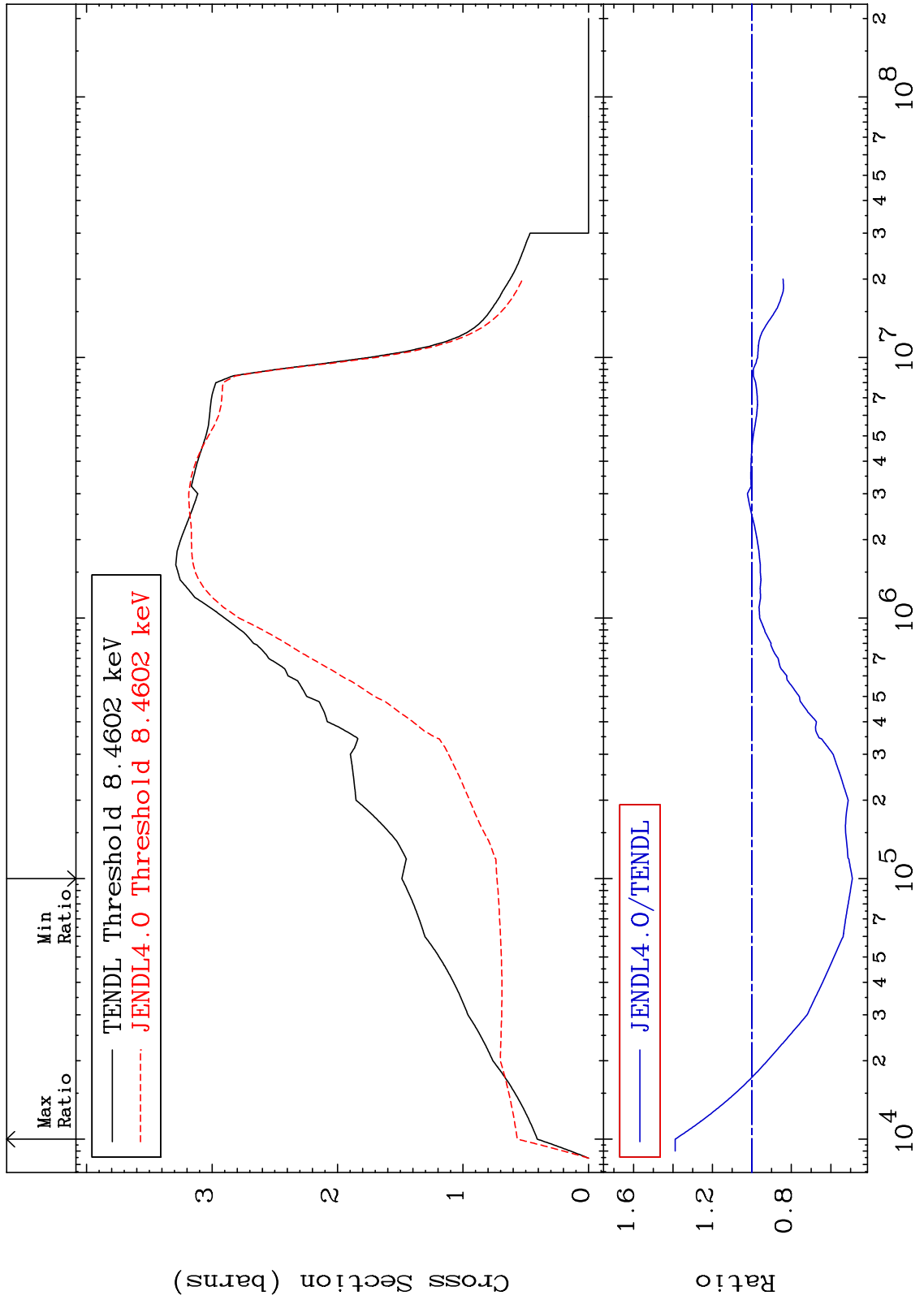
Cross Section

69-Tm-169

-96.16 To 3039. %



MAT 6925 Inelastic Cross Section 69-Tm-169 -50.95 To 38.90 %



3 1.6 1.2 0.8 10⁴ 10⁵ 10⁶ 10⁷ 10⁸ 69-Tm-169

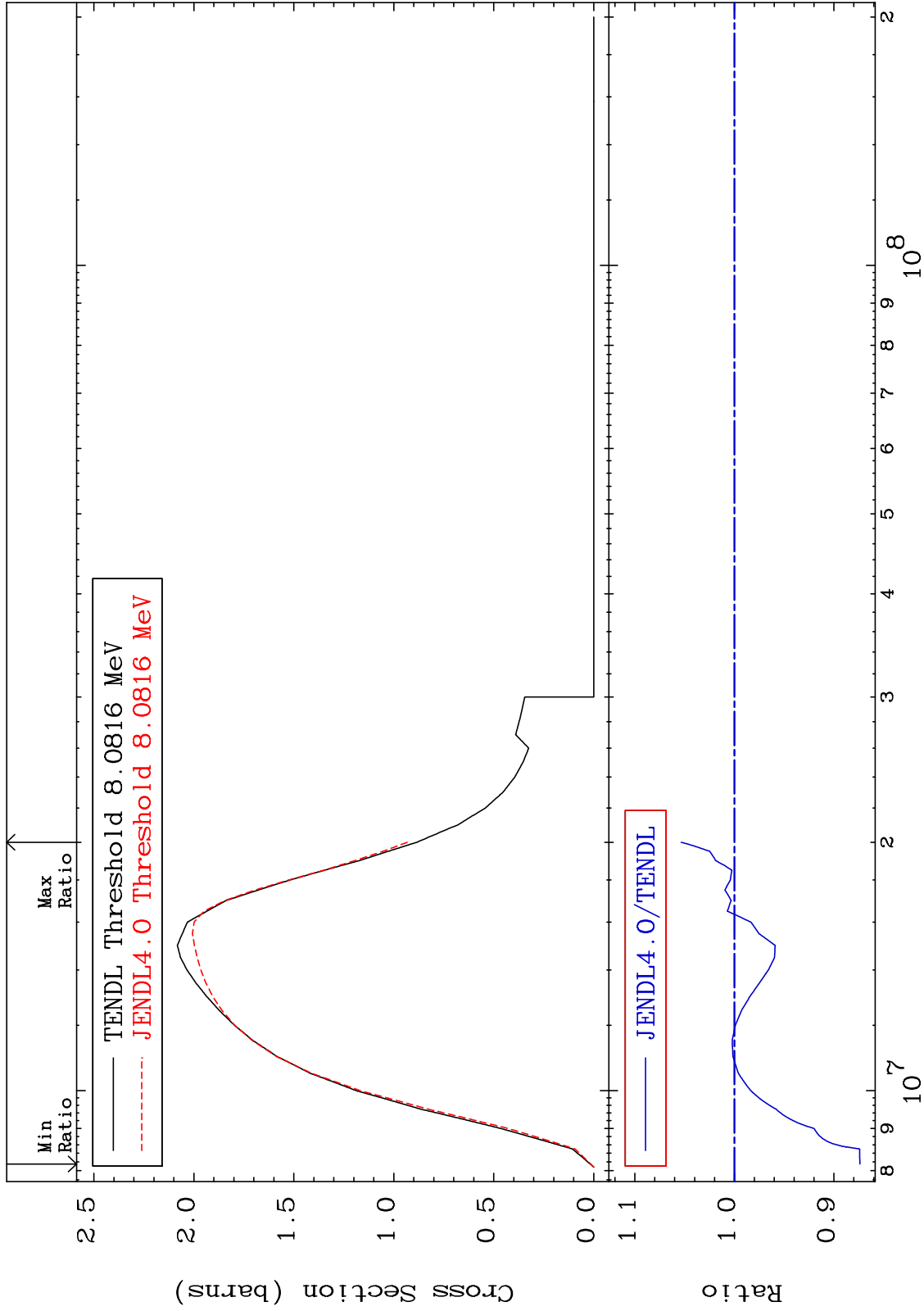
MAT 6925

(n,2n)

69-Tm-169

-12.61 To 5.345 %

Cross Section



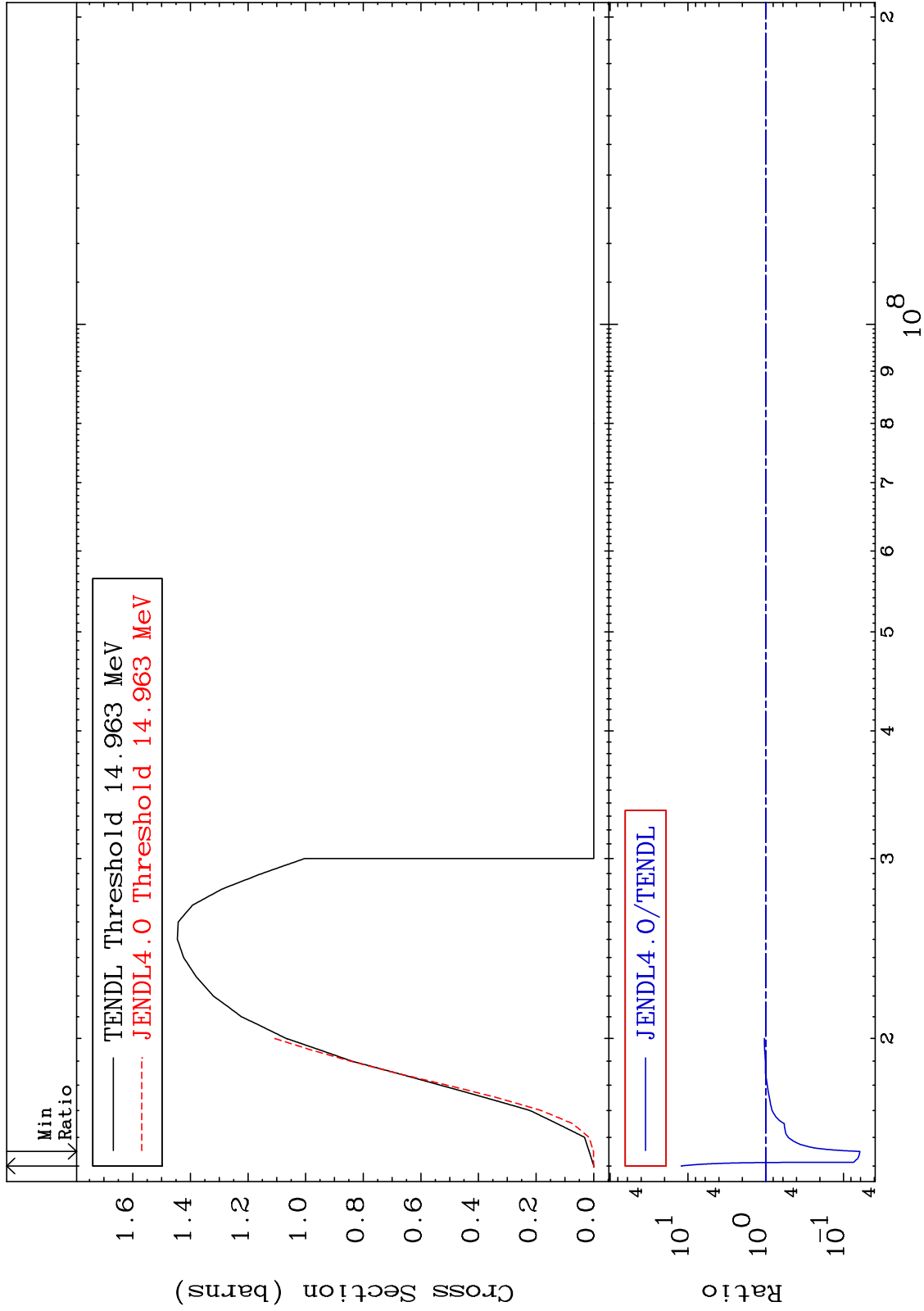
MAT 6925

(n,3n)

69-Tm-169

Cross Section

-93.87 To 1121. %



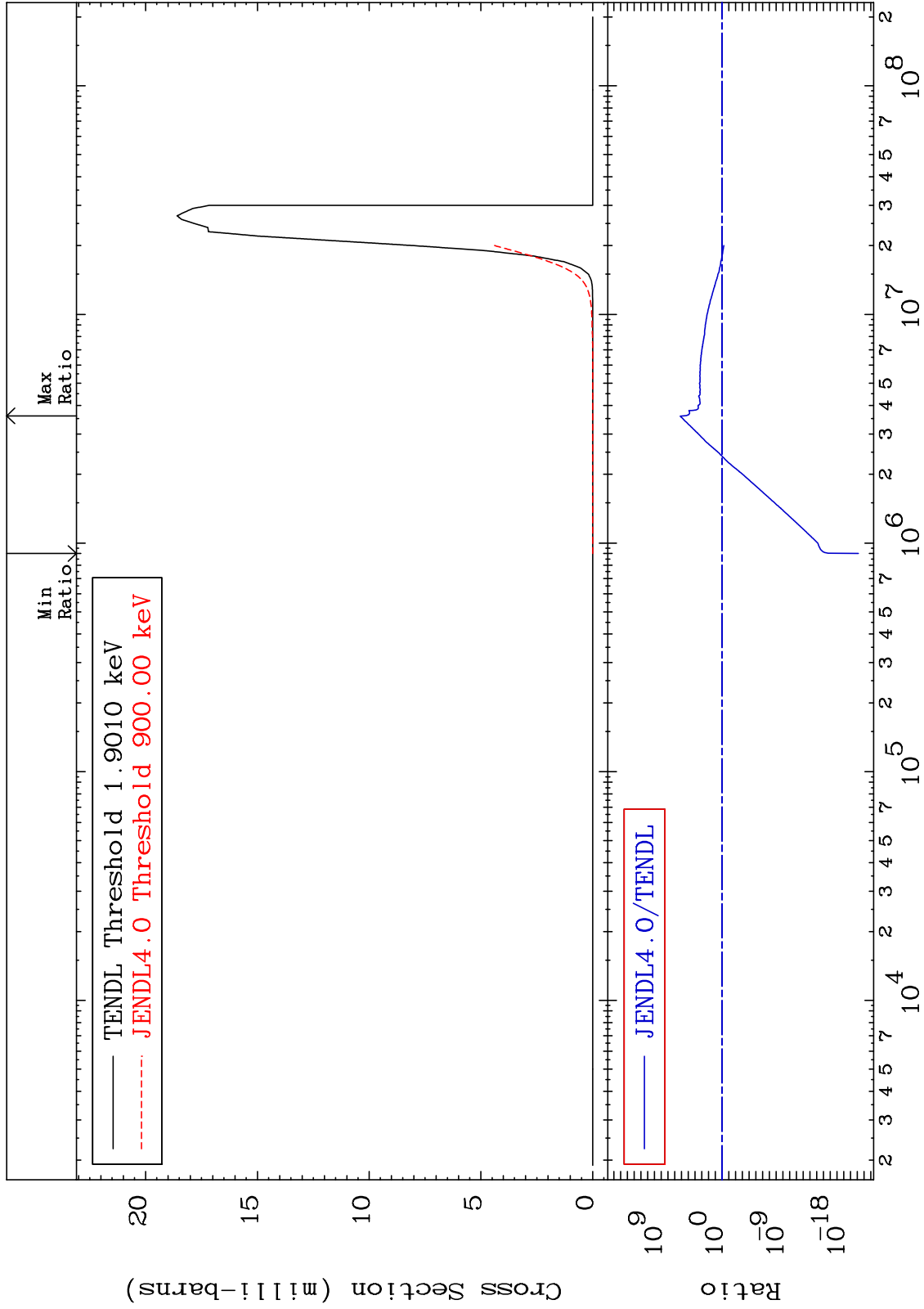
MAT 6925

(n, n') α

69-Tm-169

Cross Section

-100.0 To 9999. %



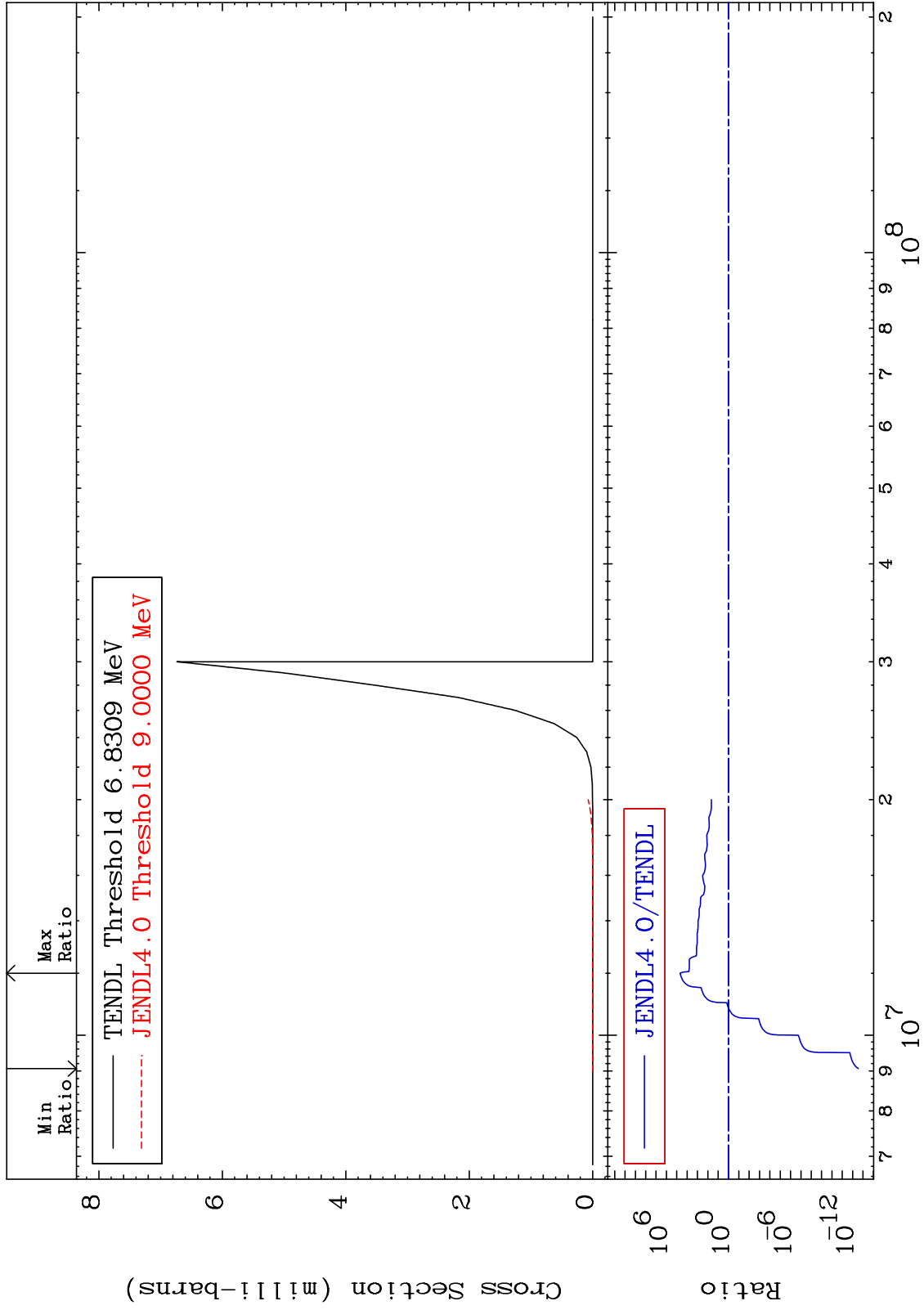
MAT 6925

(n,2n) α

69-Tm-169

Cross Section

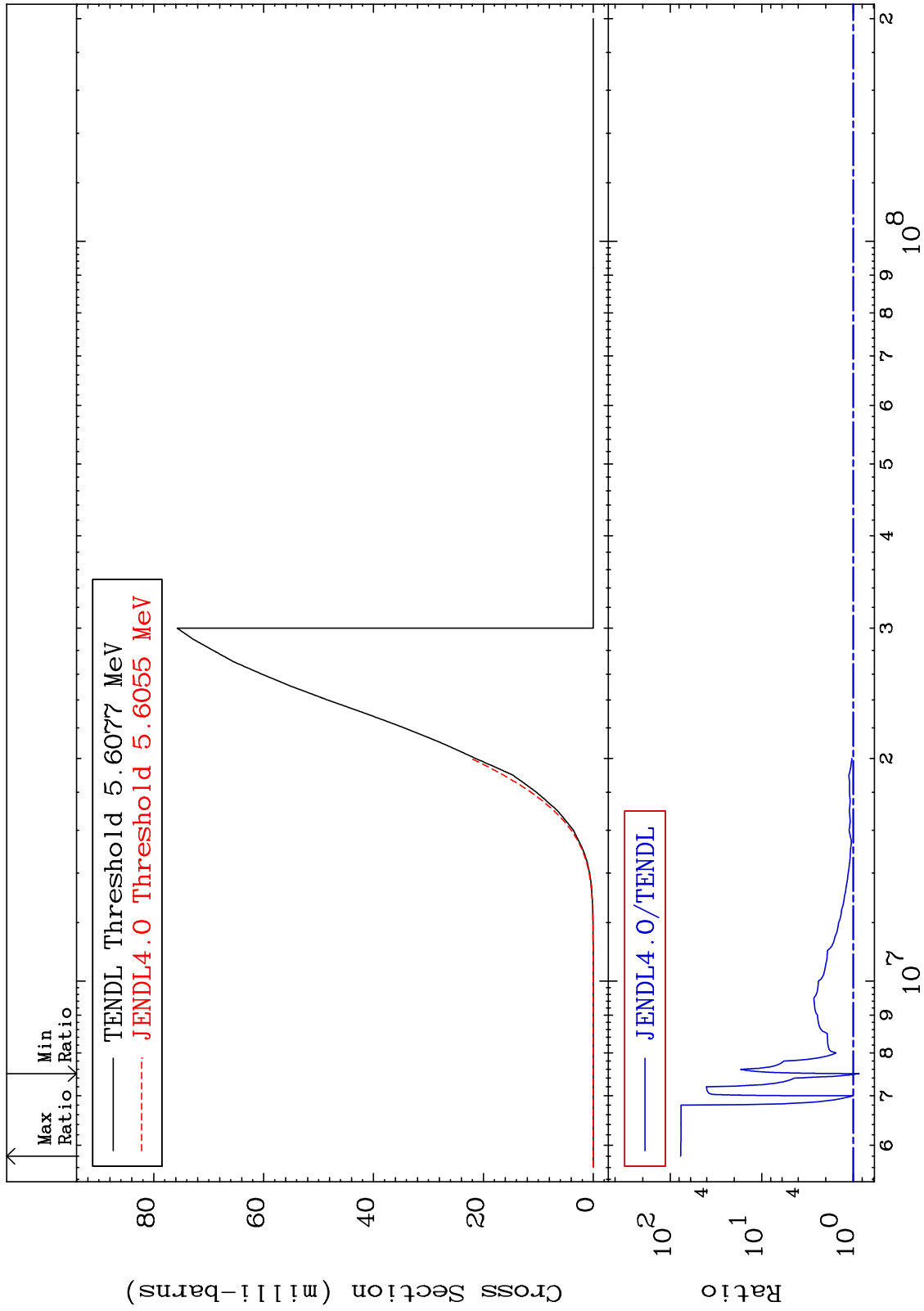
-100.0 To 9999. %



MAT 6925

(n,n') p
Cross Section

69-Tm-169
-13.76 To 7603. %



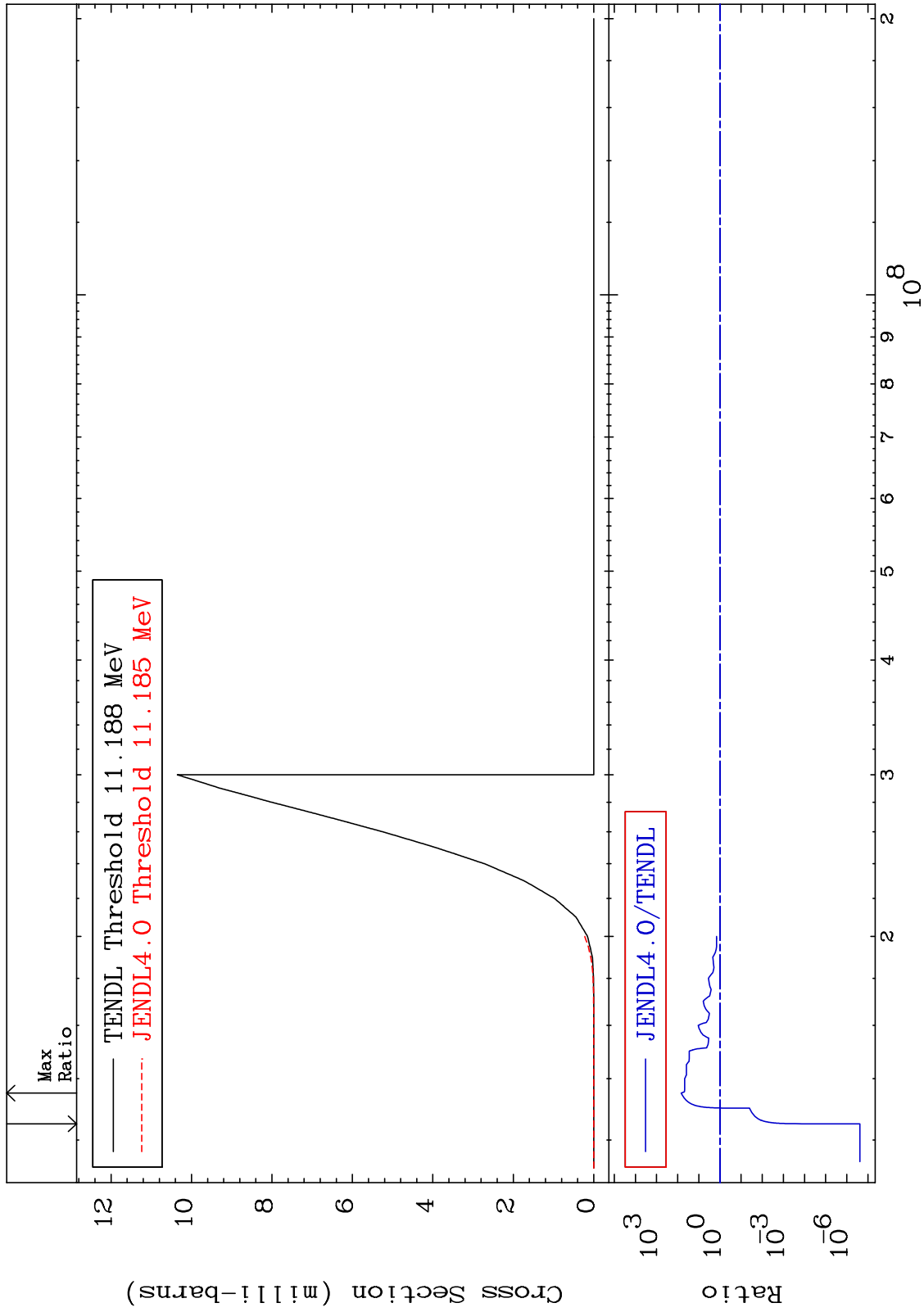
MAT 6925

(n,n') d

69-Tm-169

Cross Section

-100.0 To 6709. %



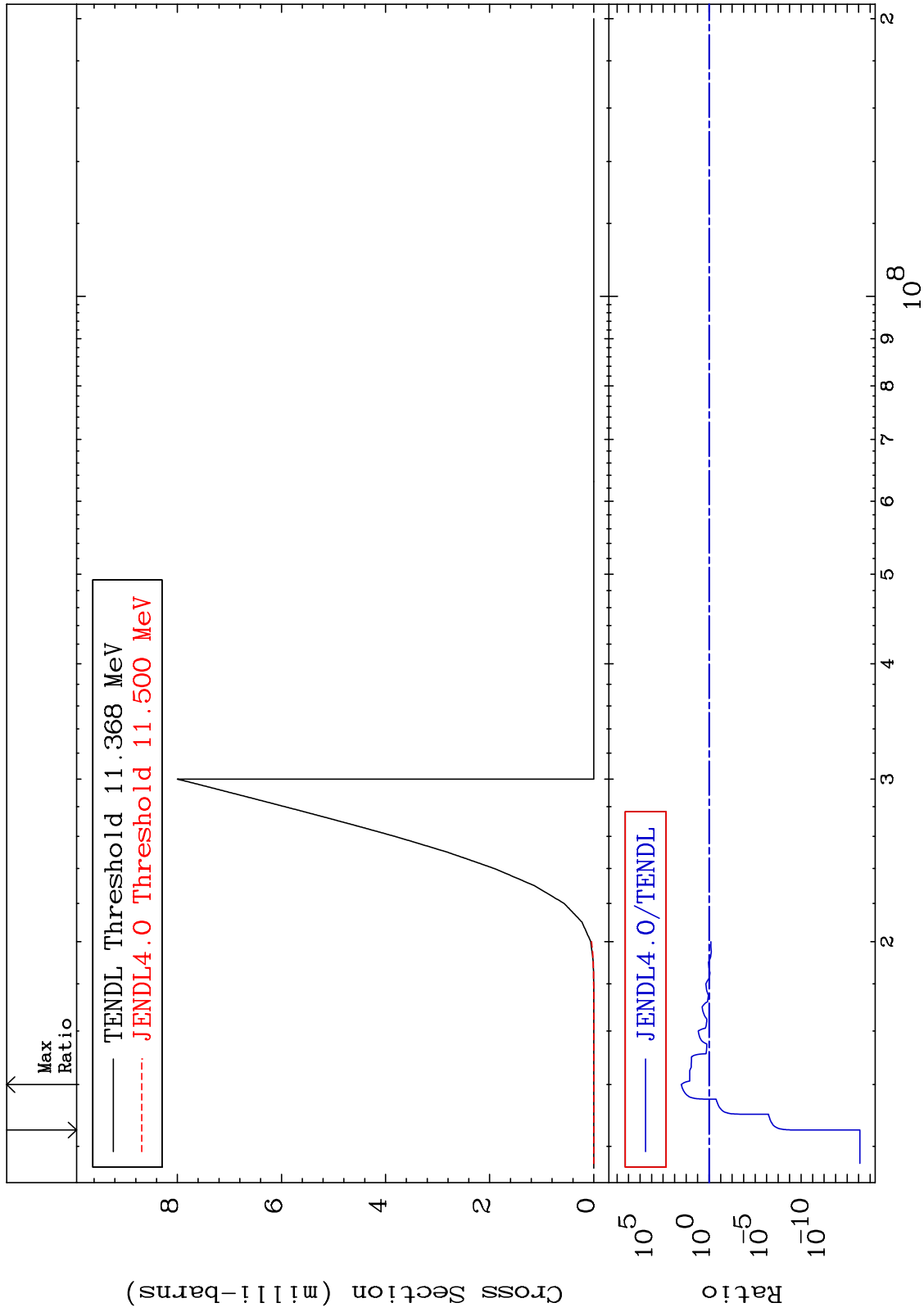
MAT 6925

(n,n') t

69-Tm-169

Cross Section

-100.0 To 9999. %



10

Incident Energy (eV)

69-Tm-169

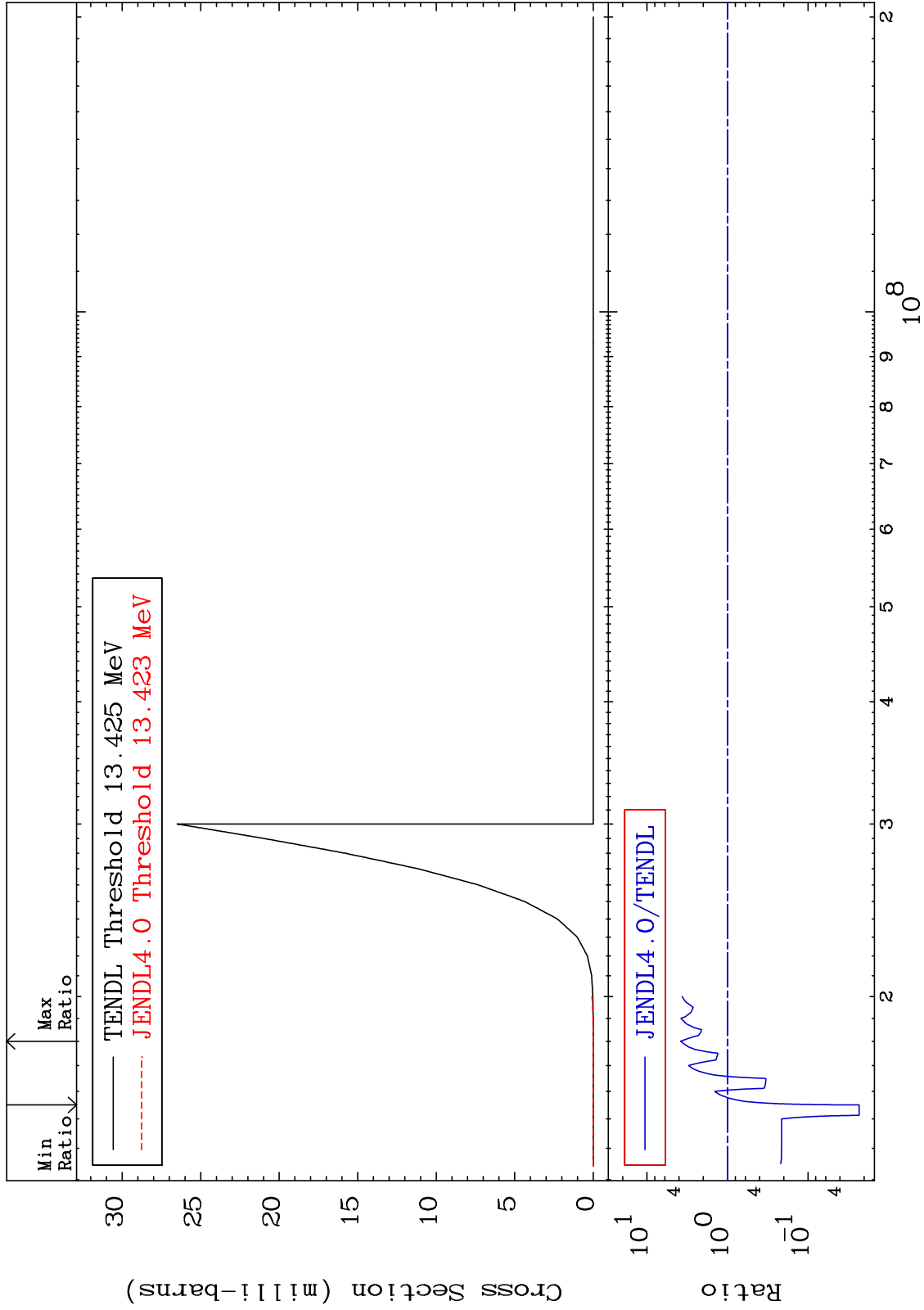
MAT 6925

(n,2n) p

69-Tm-169

Cross Section

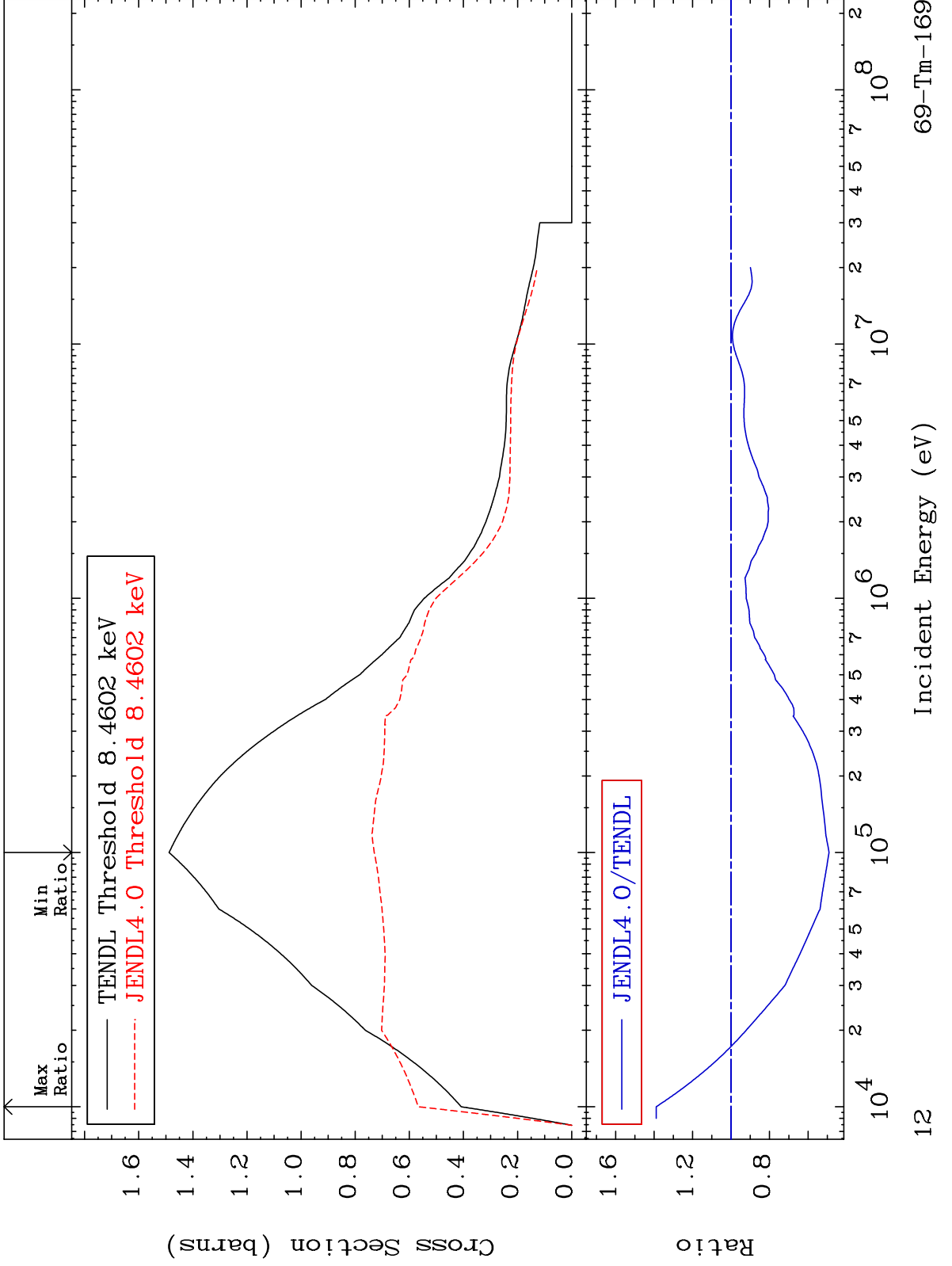
-97.69 To 282.3 %

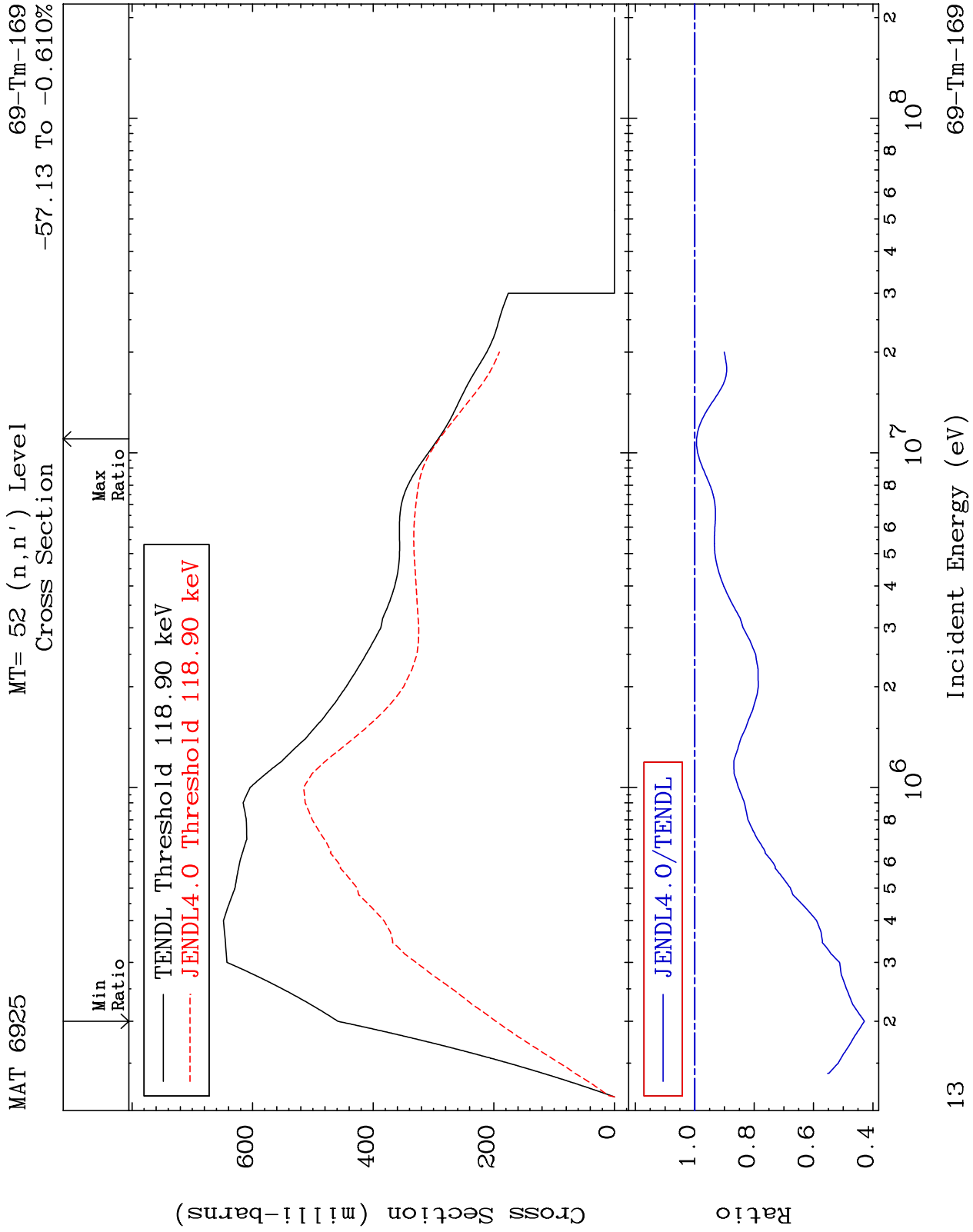


MAT 6925

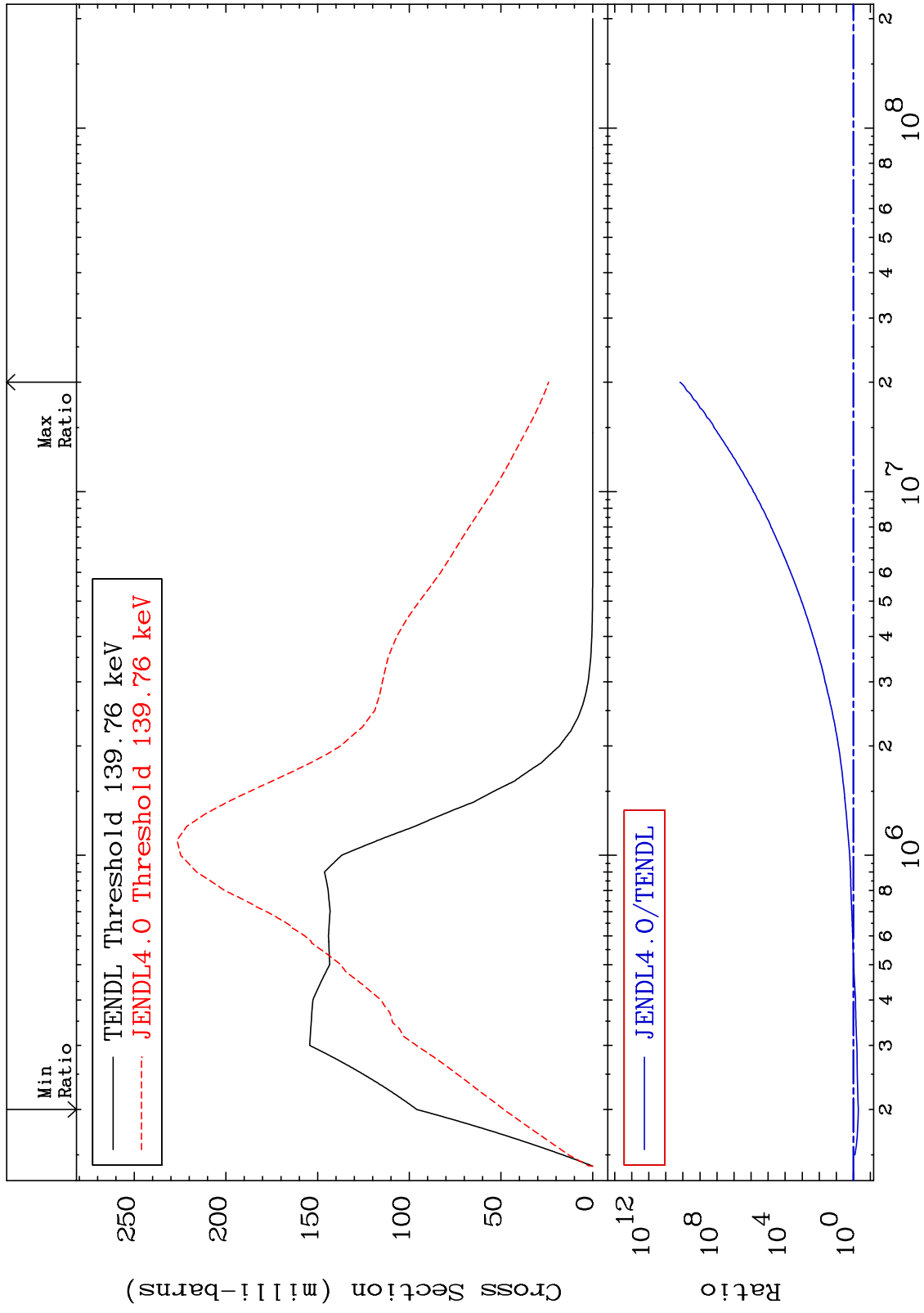
MT= 51 (n,n') Level
Cross Section

69-Tm-169
-50.95 To 38.90 %

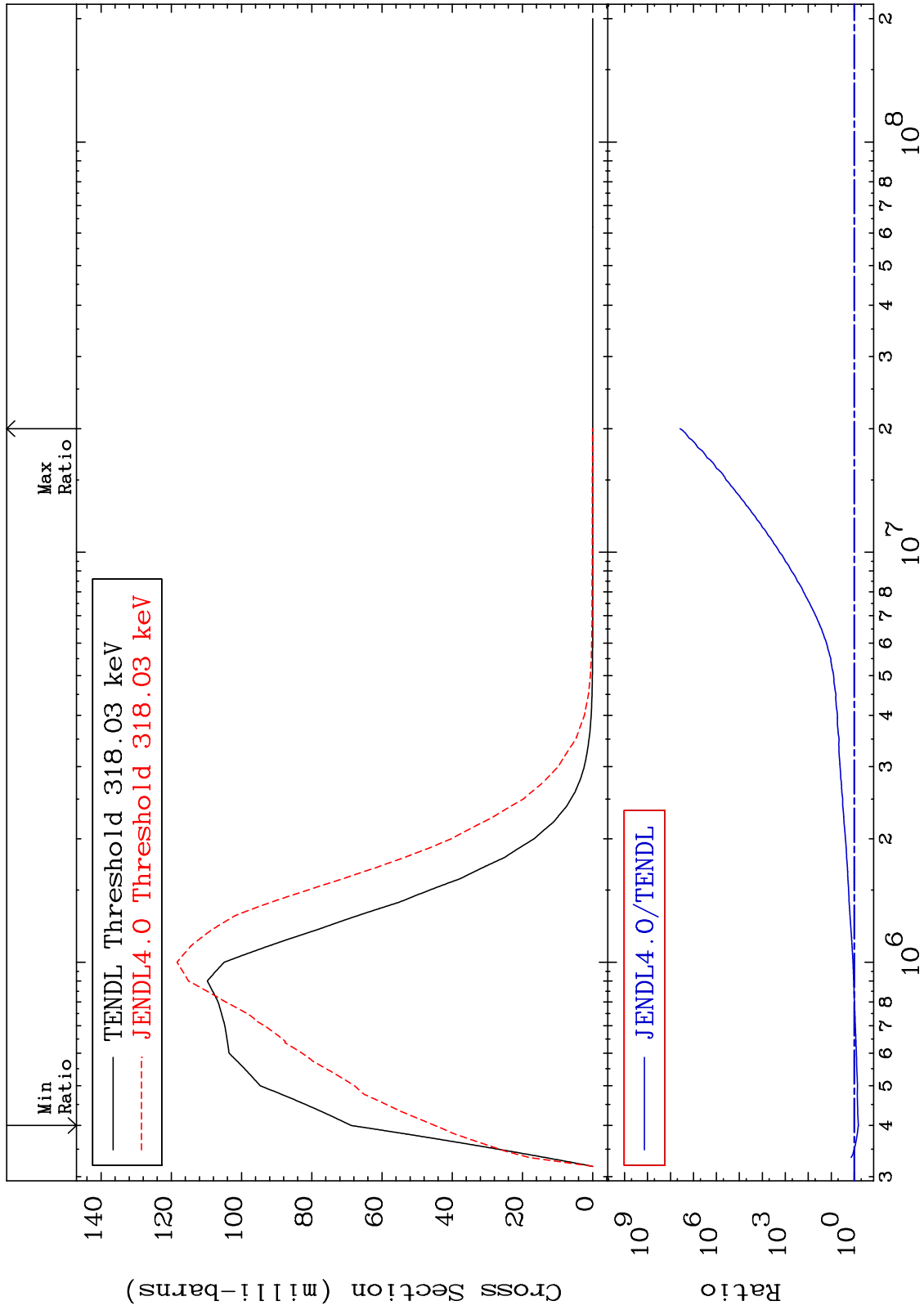




MAT 6925 MT= 53 (n,n') Level 69-Tm-169
 Cross Section -49.42 To 9999. %



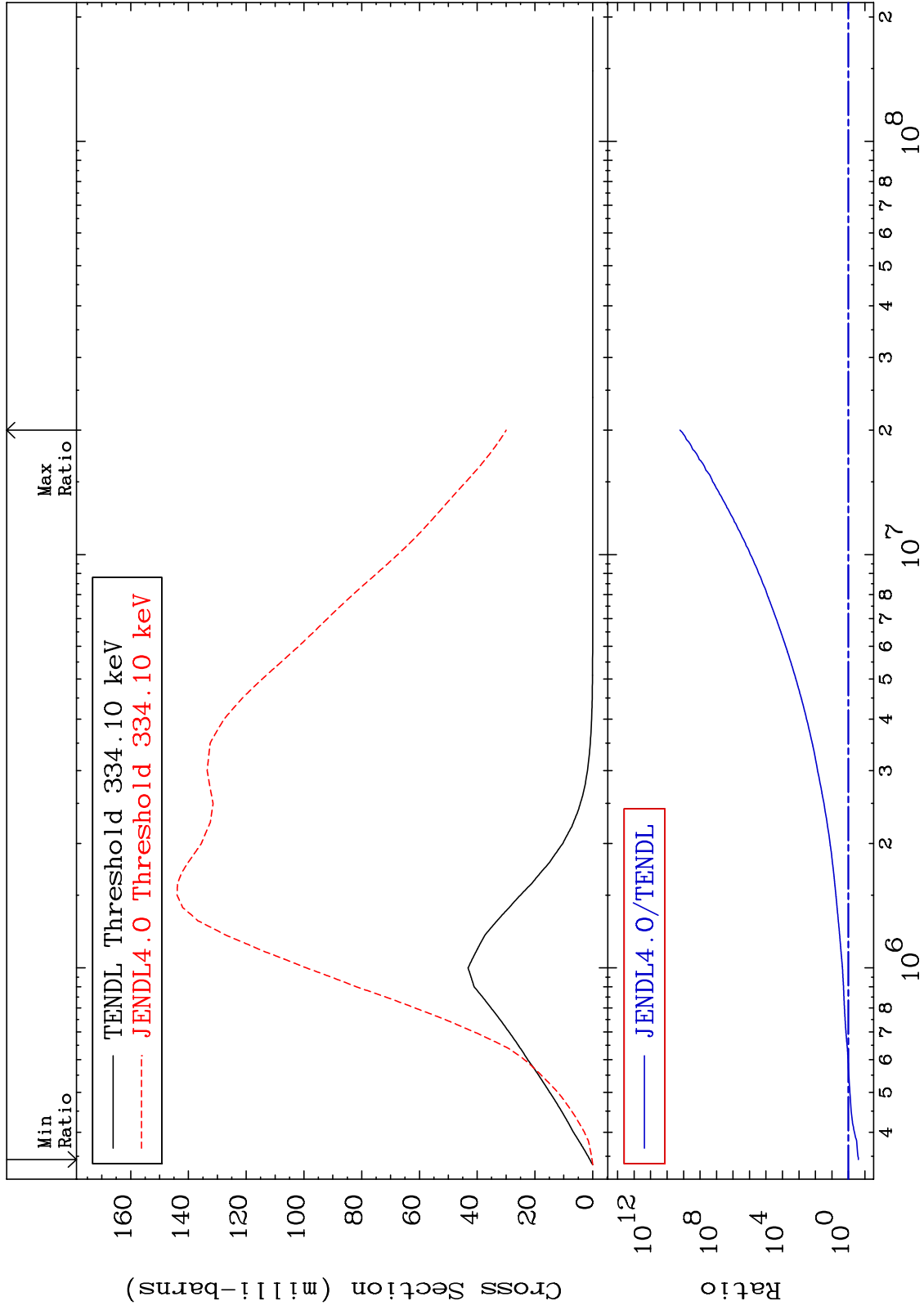
MAT 6925 MT= 54 (n,n') Level 69-Tm-169
 Cross Section -34.58 To 9999. %



MAT 6925

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

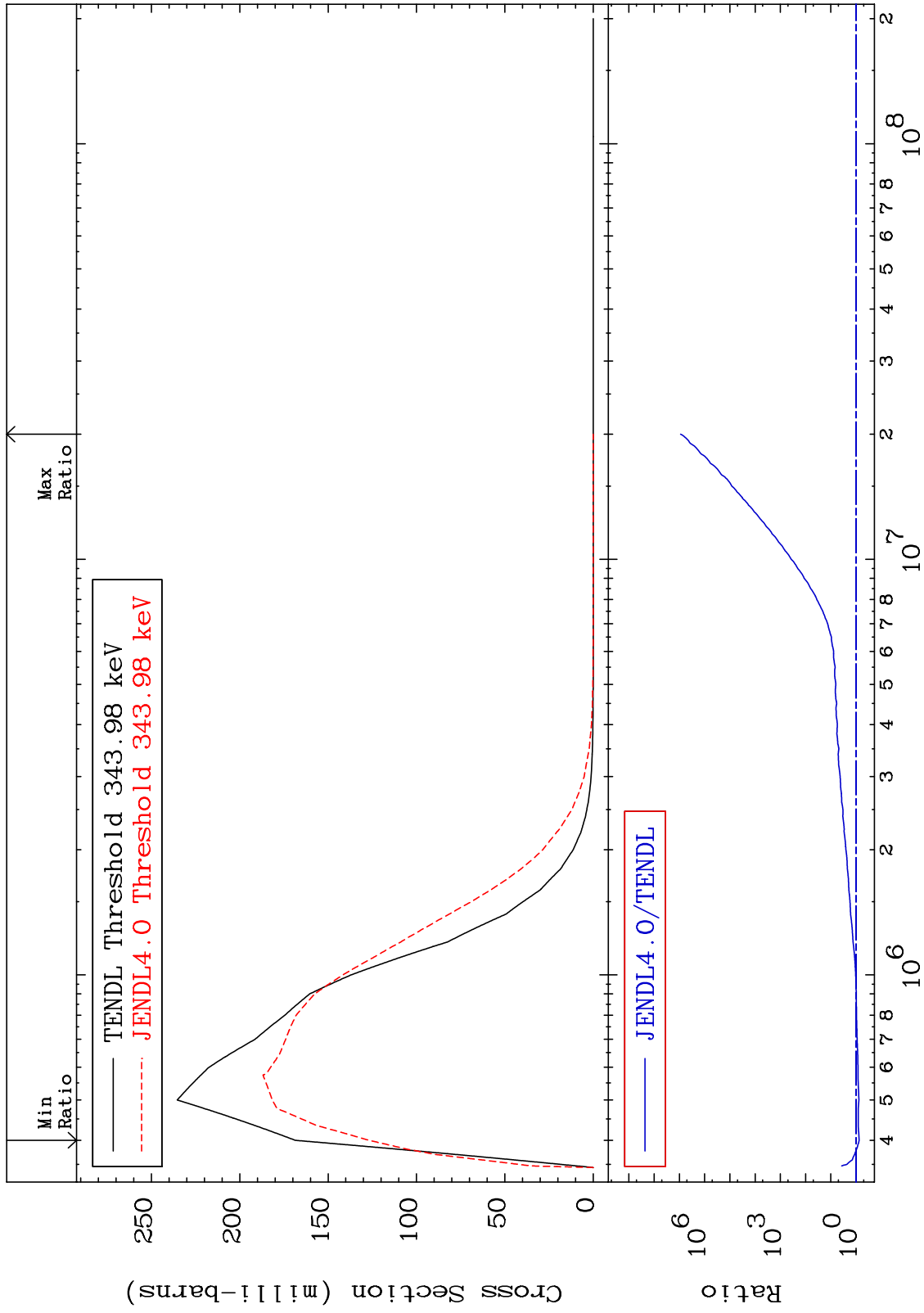
69-Tm-169
-75.18 To 9999. %



MAT 6925

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

69-Tm-169
-24.69 To 9999. %



17

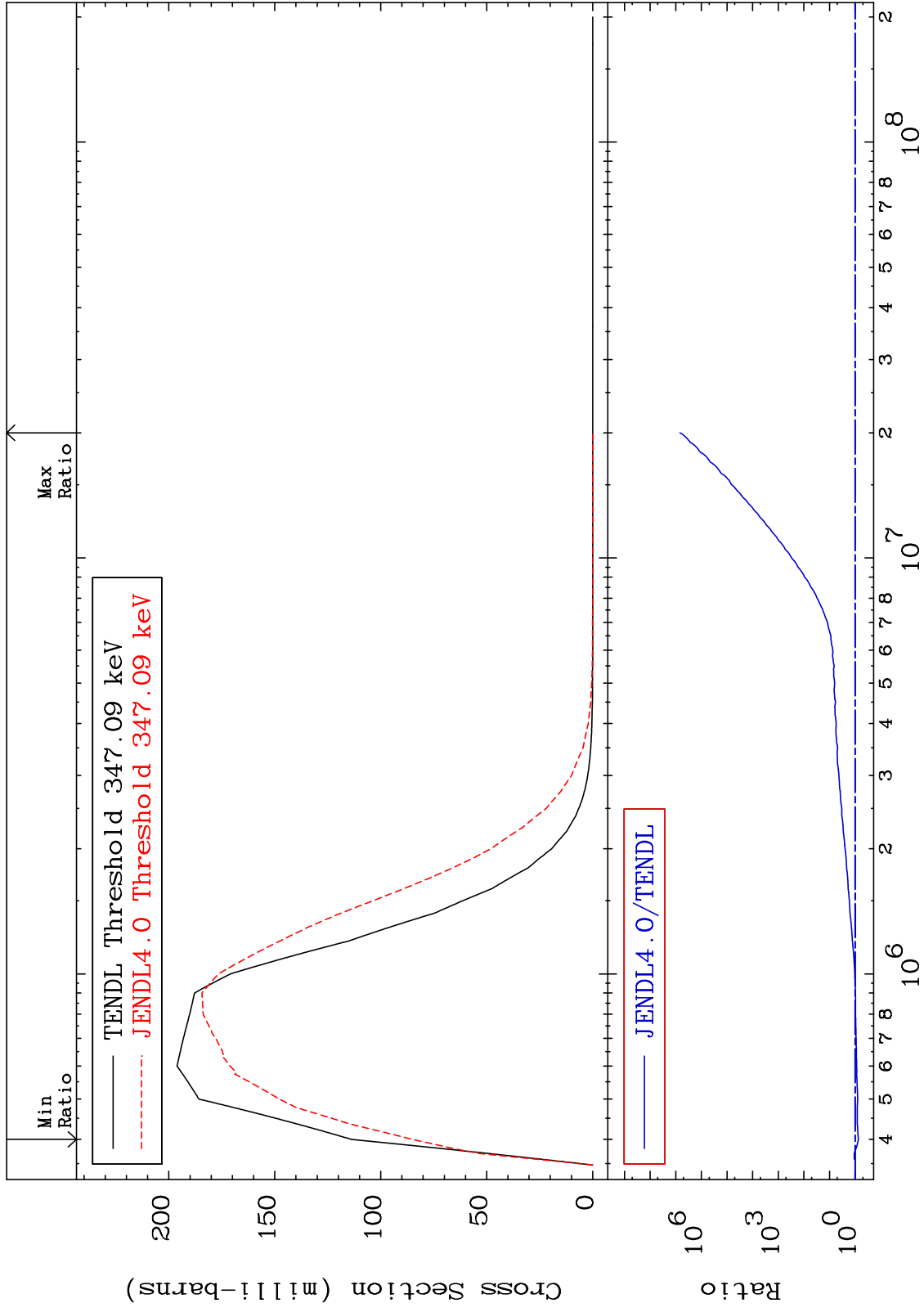
Incident Energy (eV)

69-Tm-169

MAT 6925

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

69-Tm-169
-25.19 To 9999. %

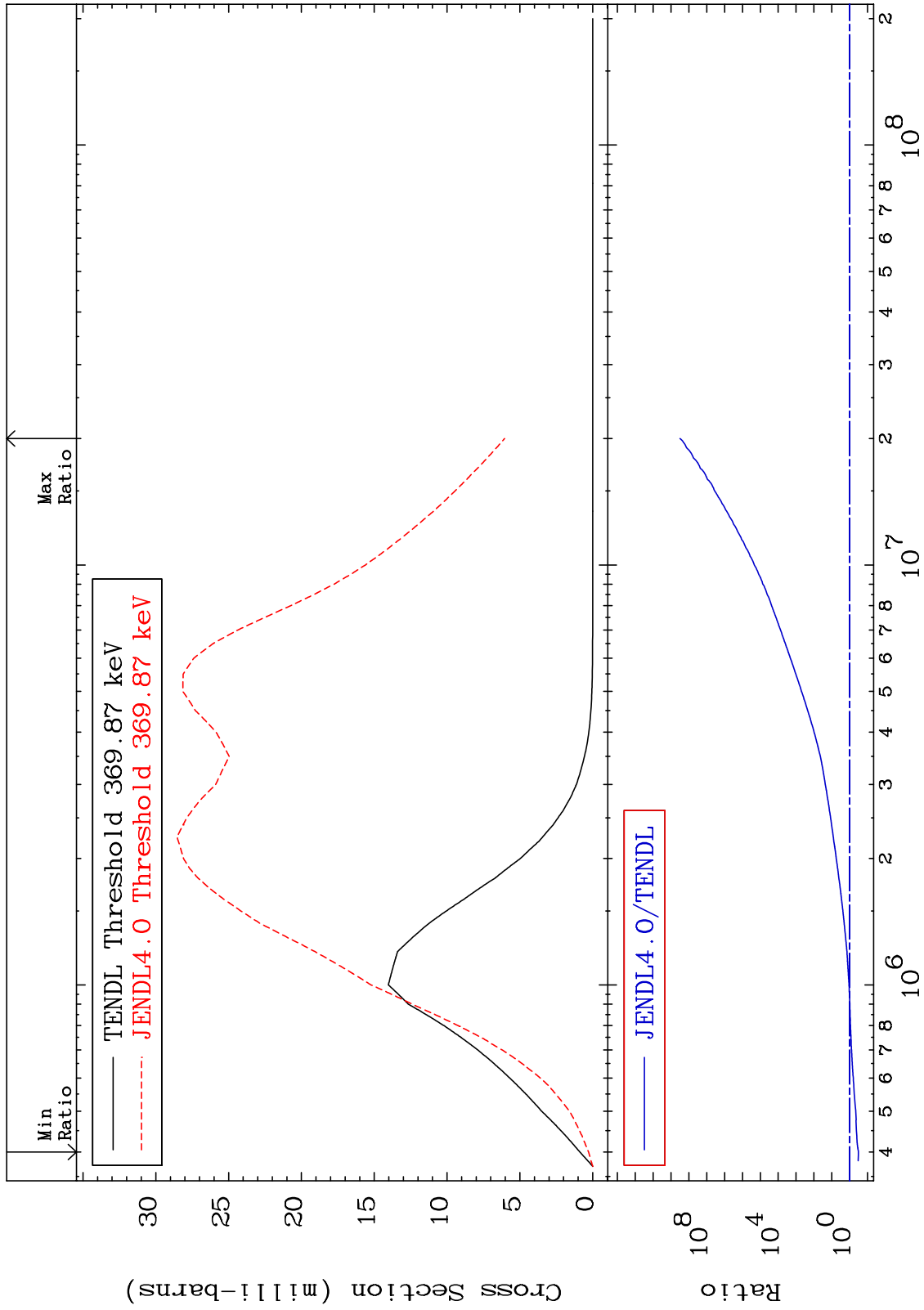


18

Incident Energy (eV)

69-Tm-169

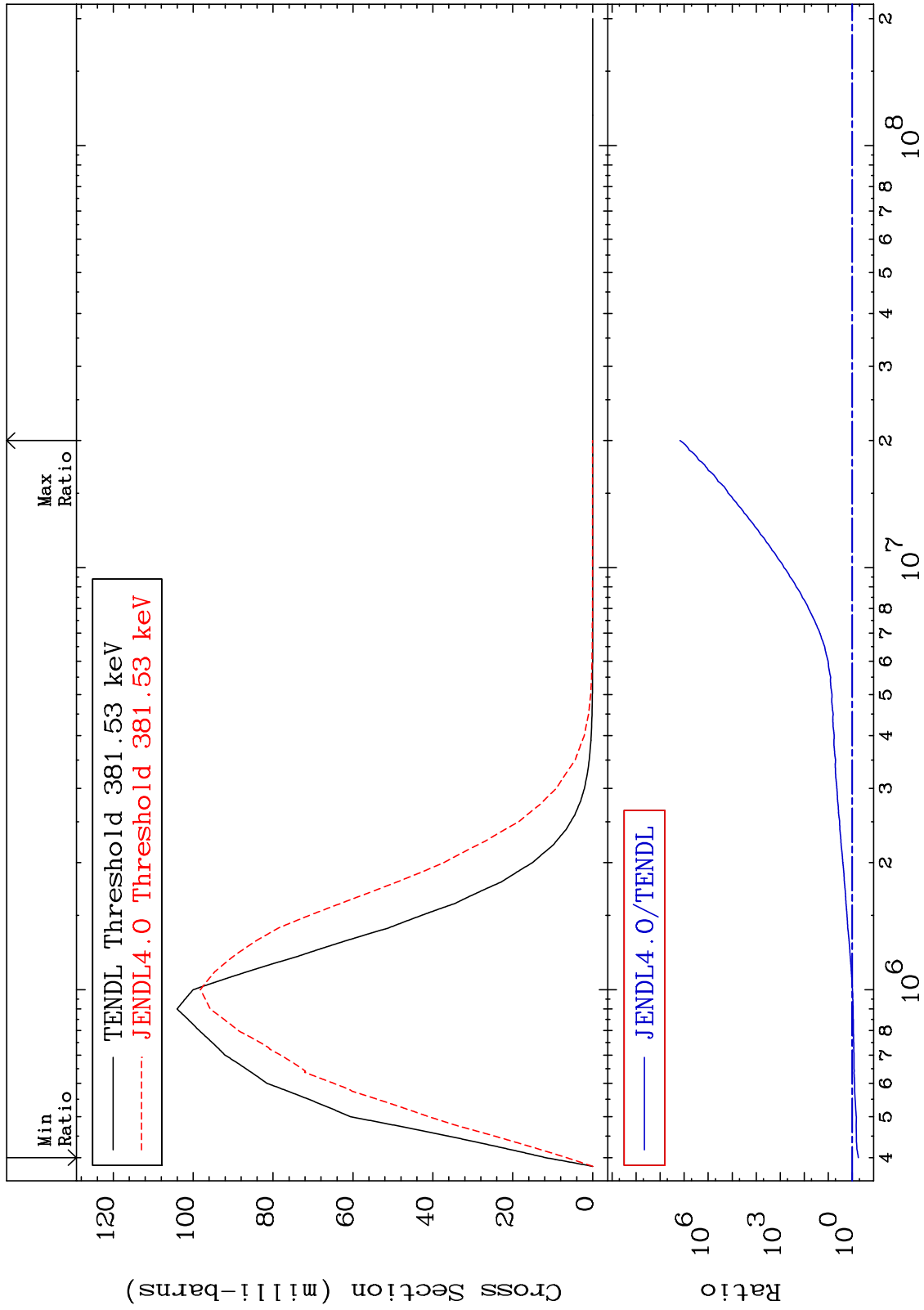
MAT 6925 MT= 58 (n,n') Level 69-Tm-169
 Cross Section -67.58 To 9999. %



MAT 6925

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

69-Tm-169
-44.52 To 9999. %

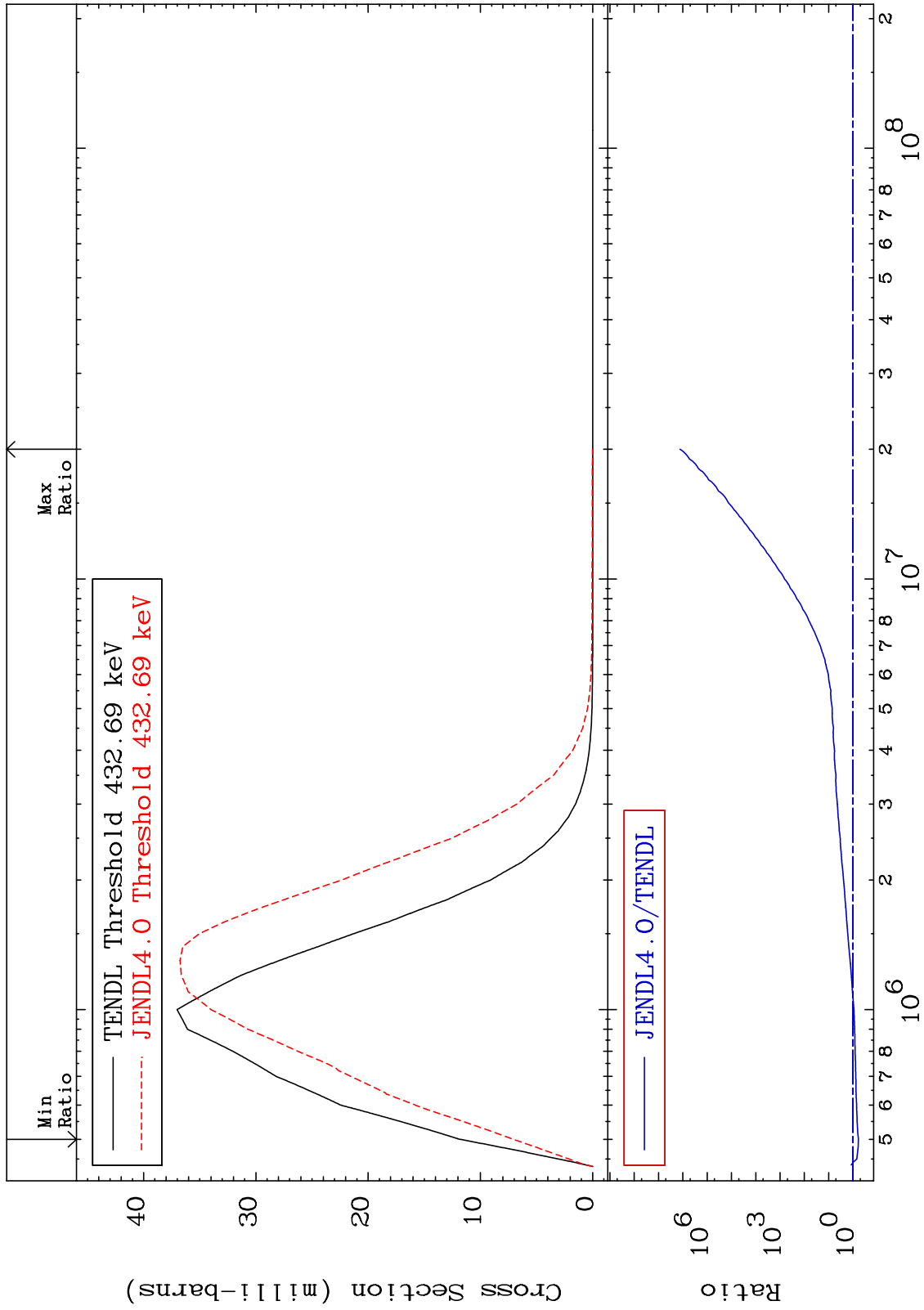


20

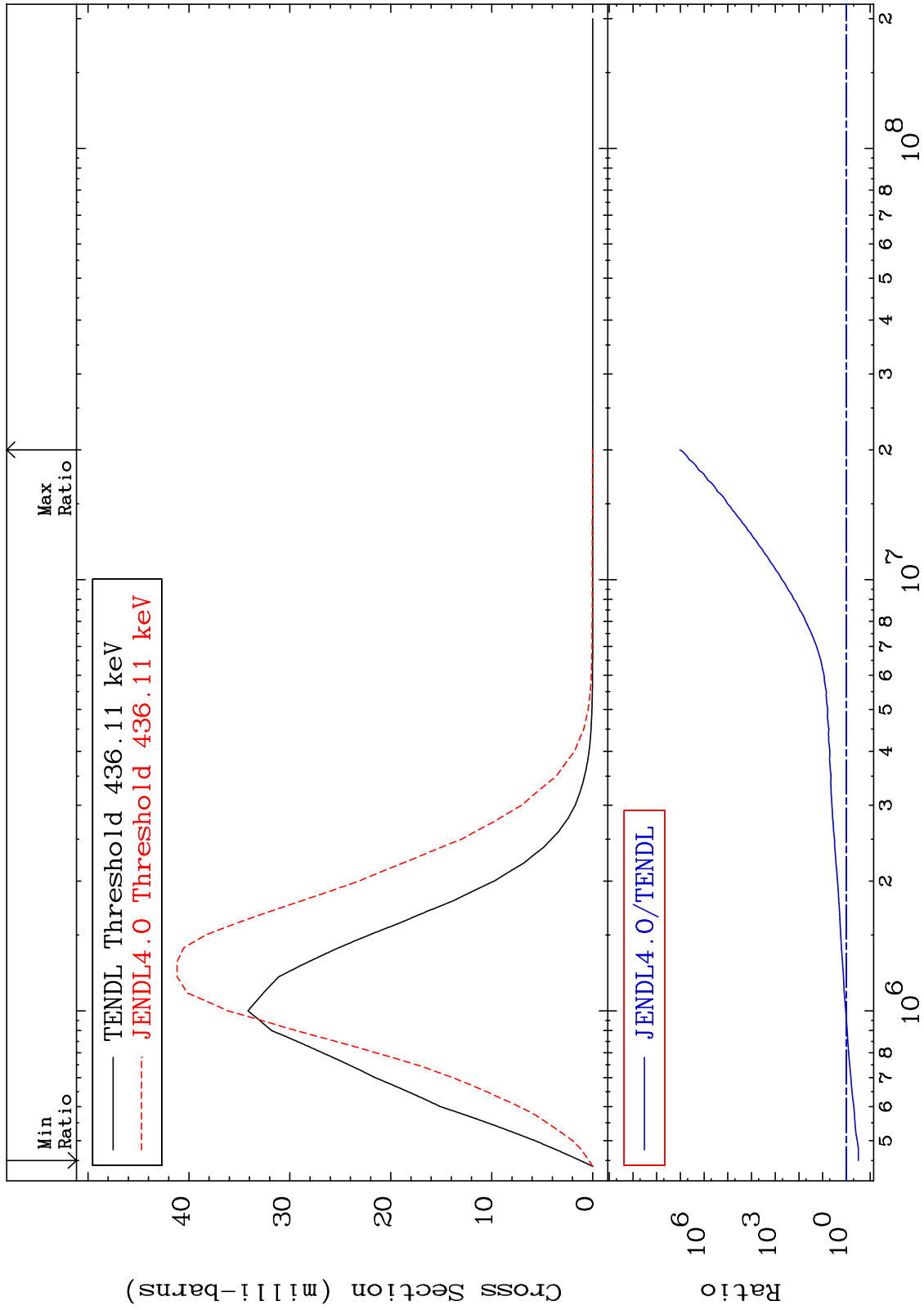
Incident Energy (eV)

69-Tm-169

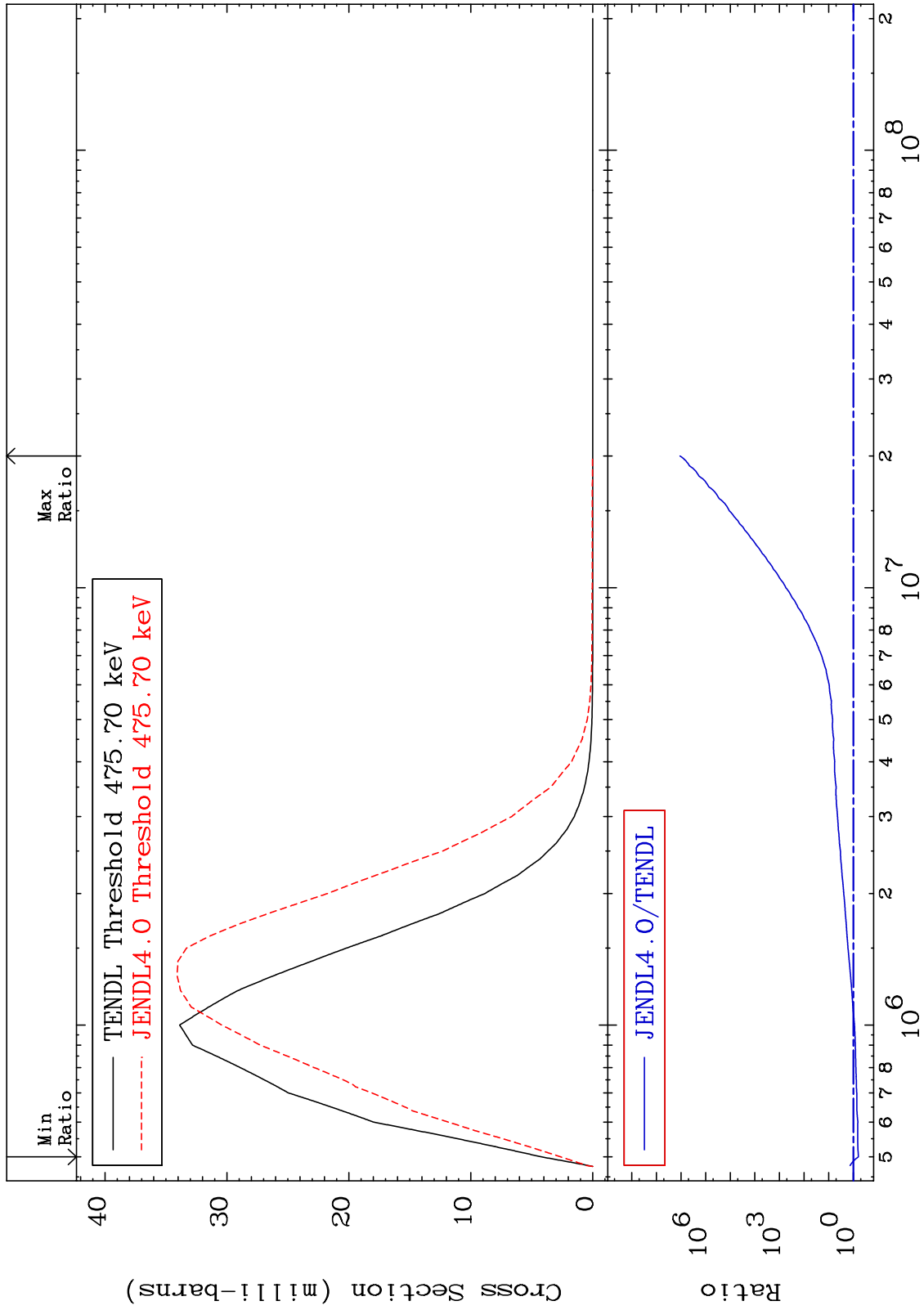
MAT 6925 MT= 60 (n,n') Level Cross Section 69-Tm-169
 -40.19 To 9999. %



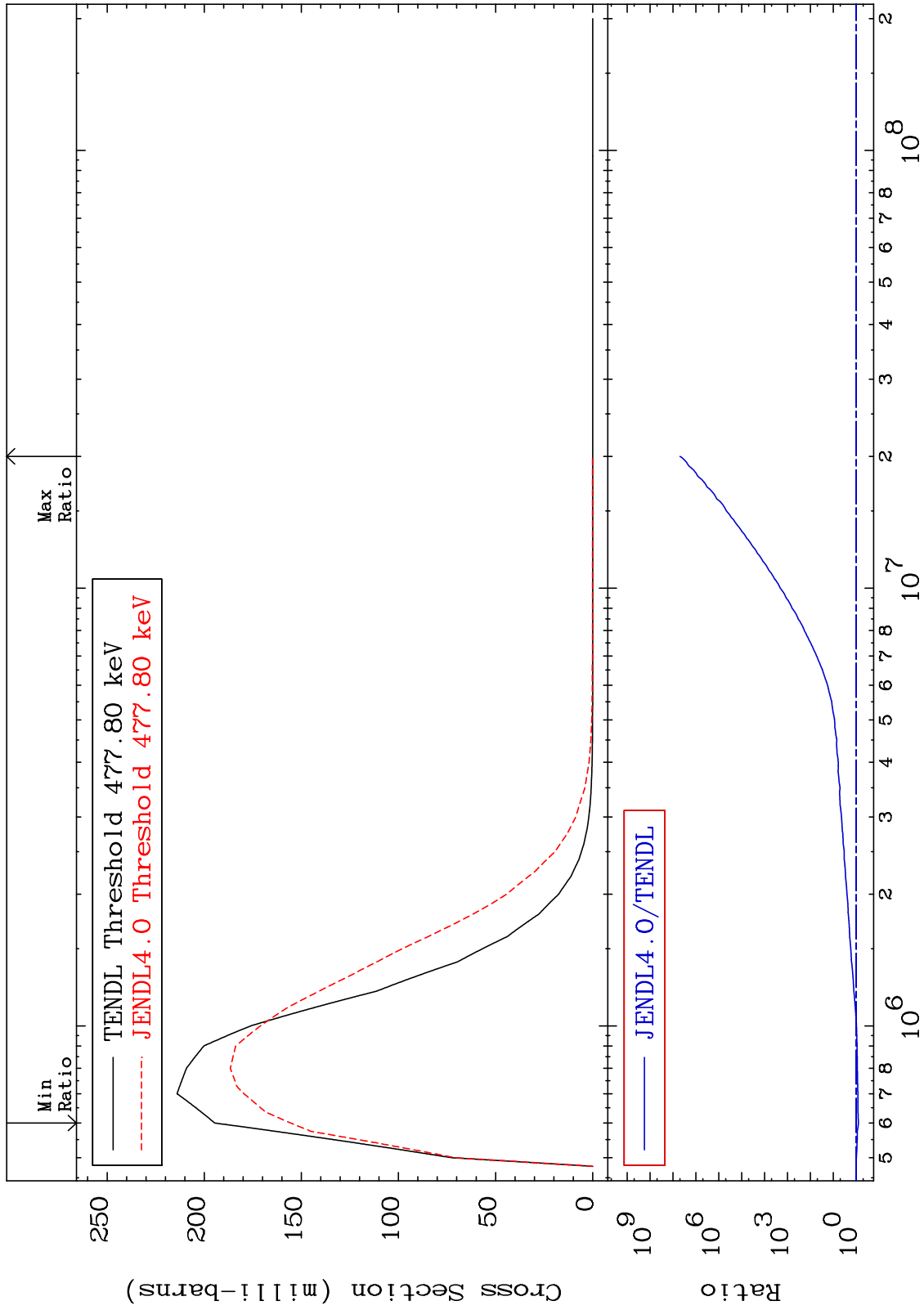
MAT 6925 MT= 61 (n,n') Level Cross Section 69-Tm-169
 -69.00 To 9999. %



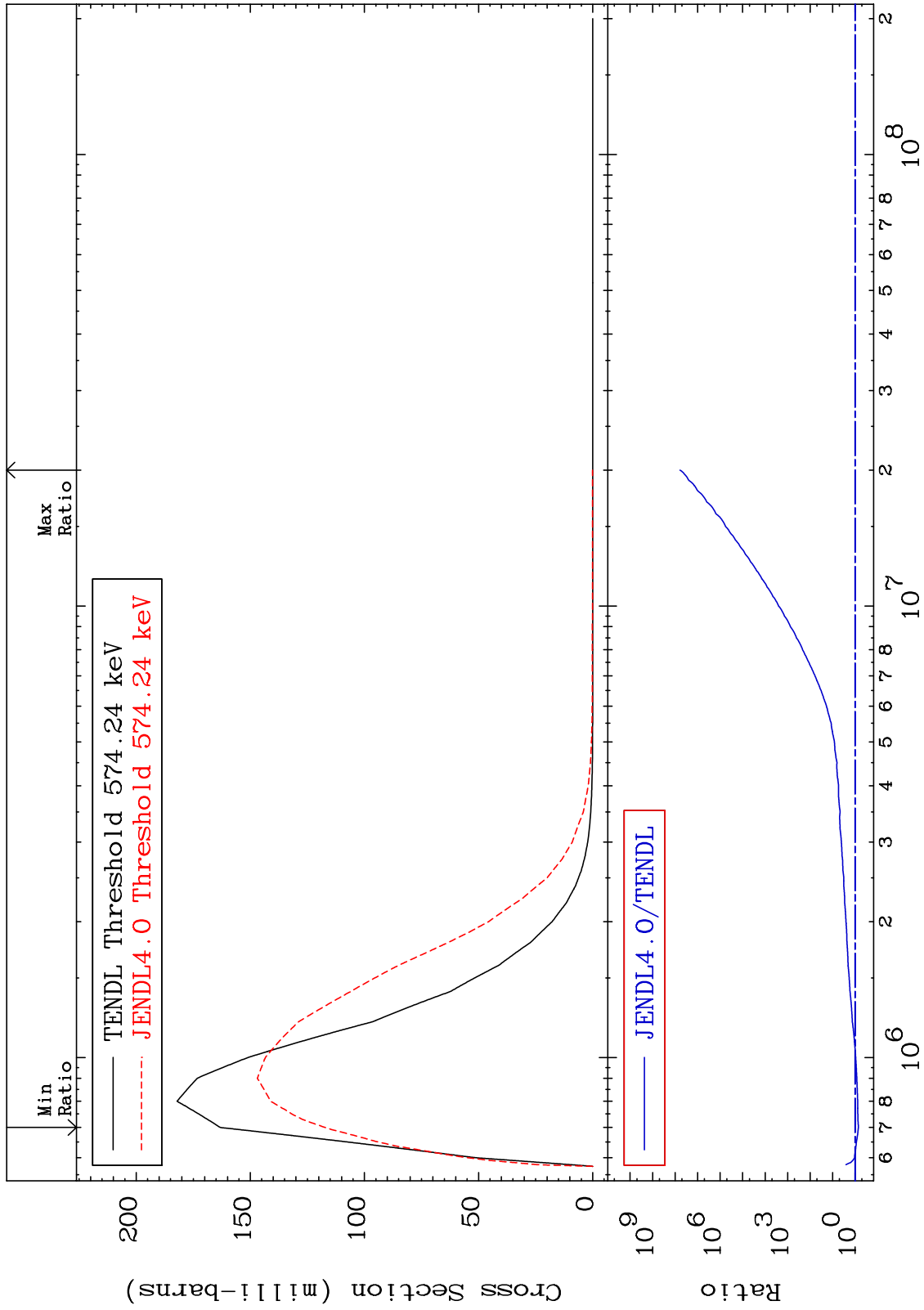
MAT 6925 MT= 62 (n,n') Level 69-Tm-169
 Cross Section -37.69 To 9999. %



MAT 6925 MT= 63 (n,n') Level 69-Tm-169
 Cross Section -20.08 To 9999. %



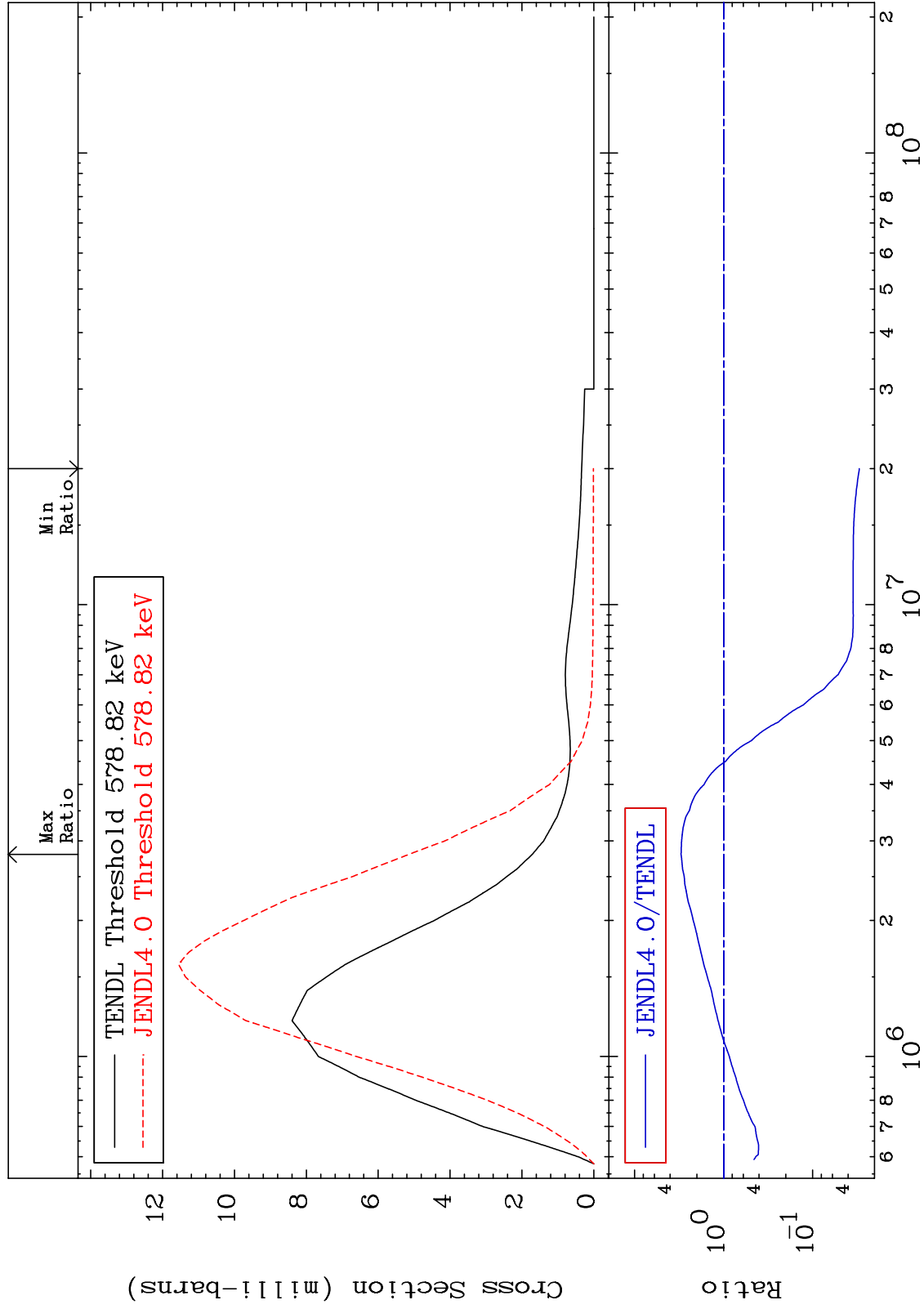
MAT 6925 MT= 64 (n,n') Level 69-Tm-169
 Cross Section -28.11 To 9999. %



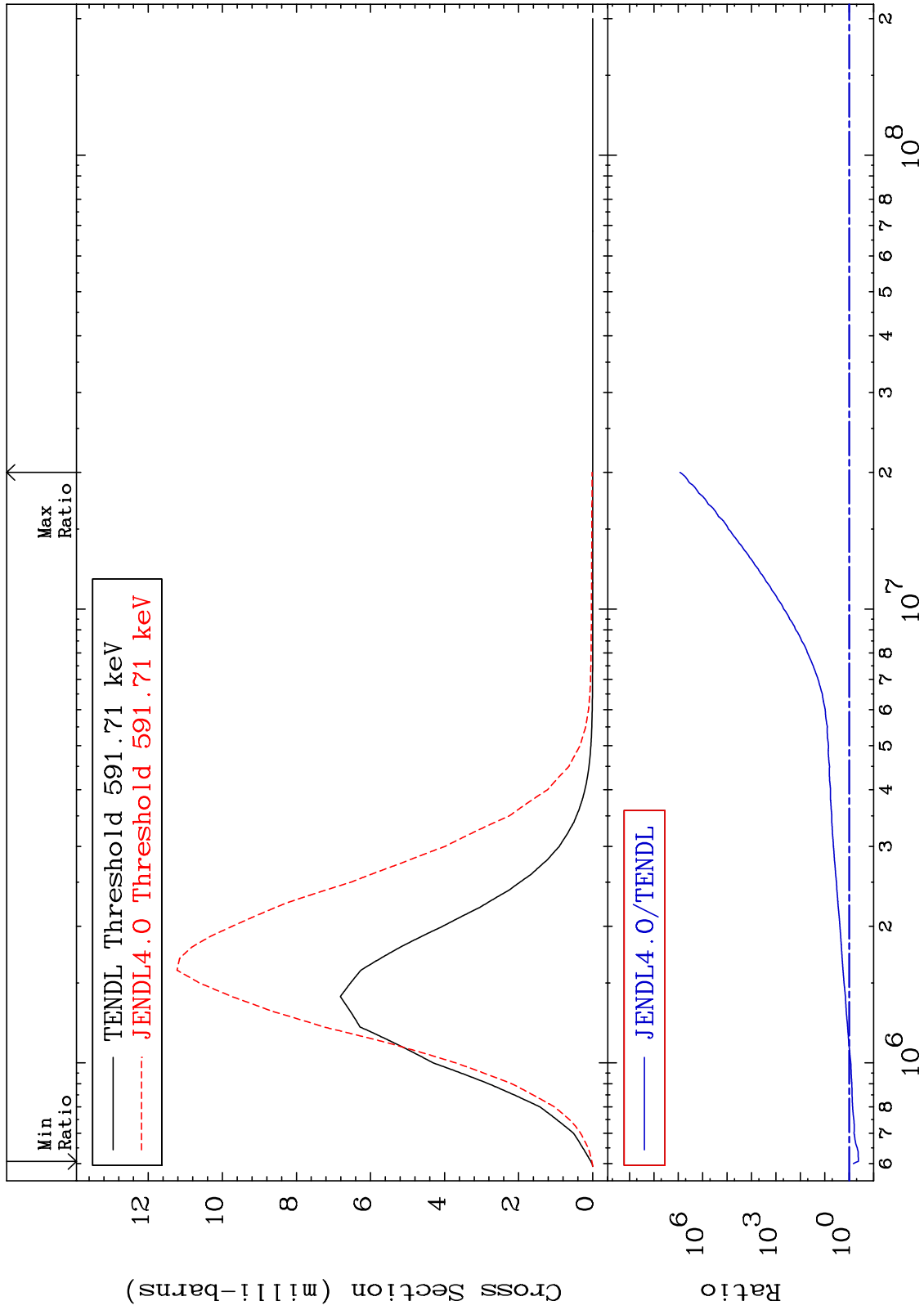
MAT 6925

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

69-Tm-169
-97.01 To 200.8 %



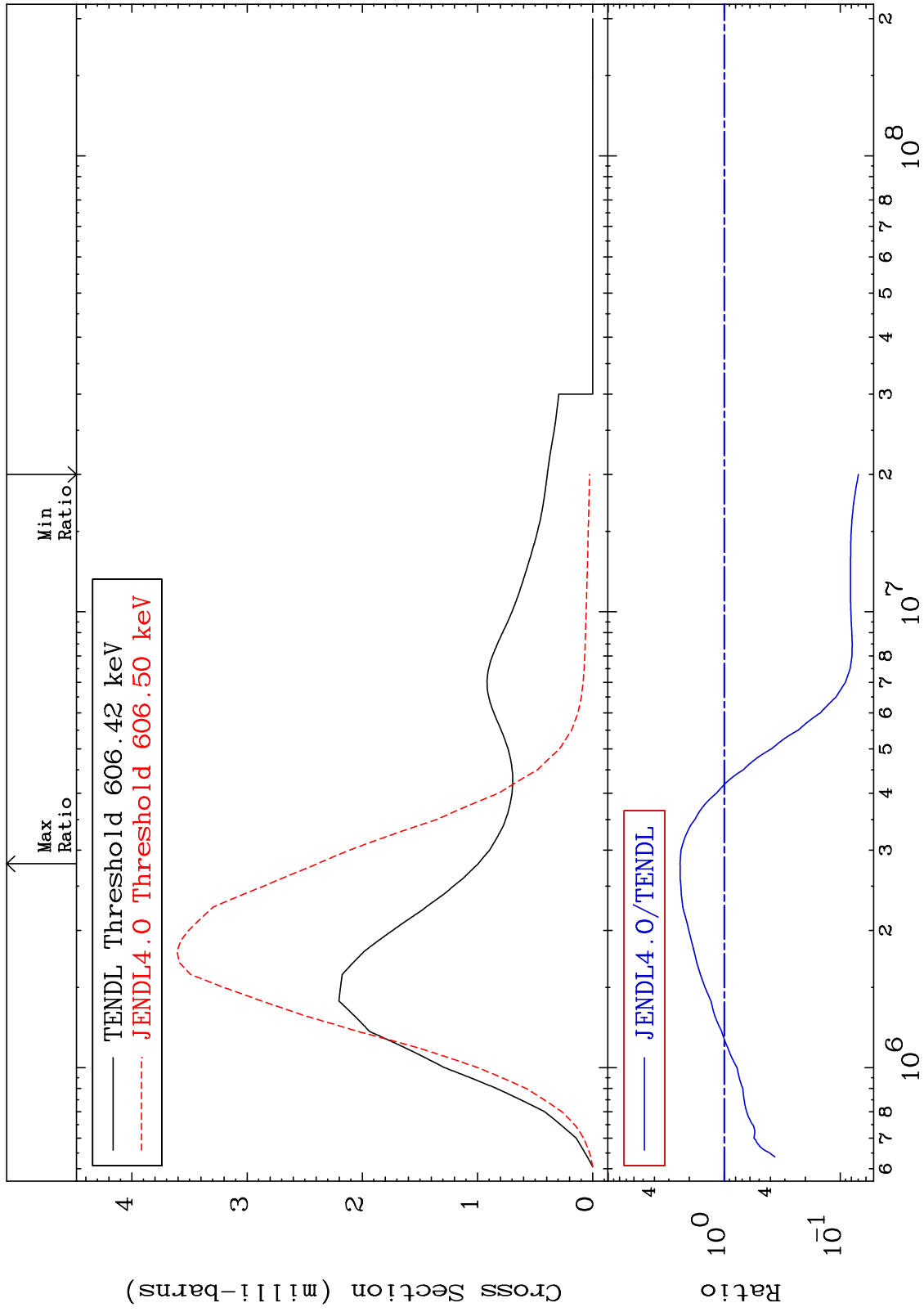
MAT 6925 MT= 66 (n,n') Level Cross Section 69-Tm-169
 -58.11 To 9999. %



MAT 6925

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

69-Tm-169
-93.03 To 140.5 %

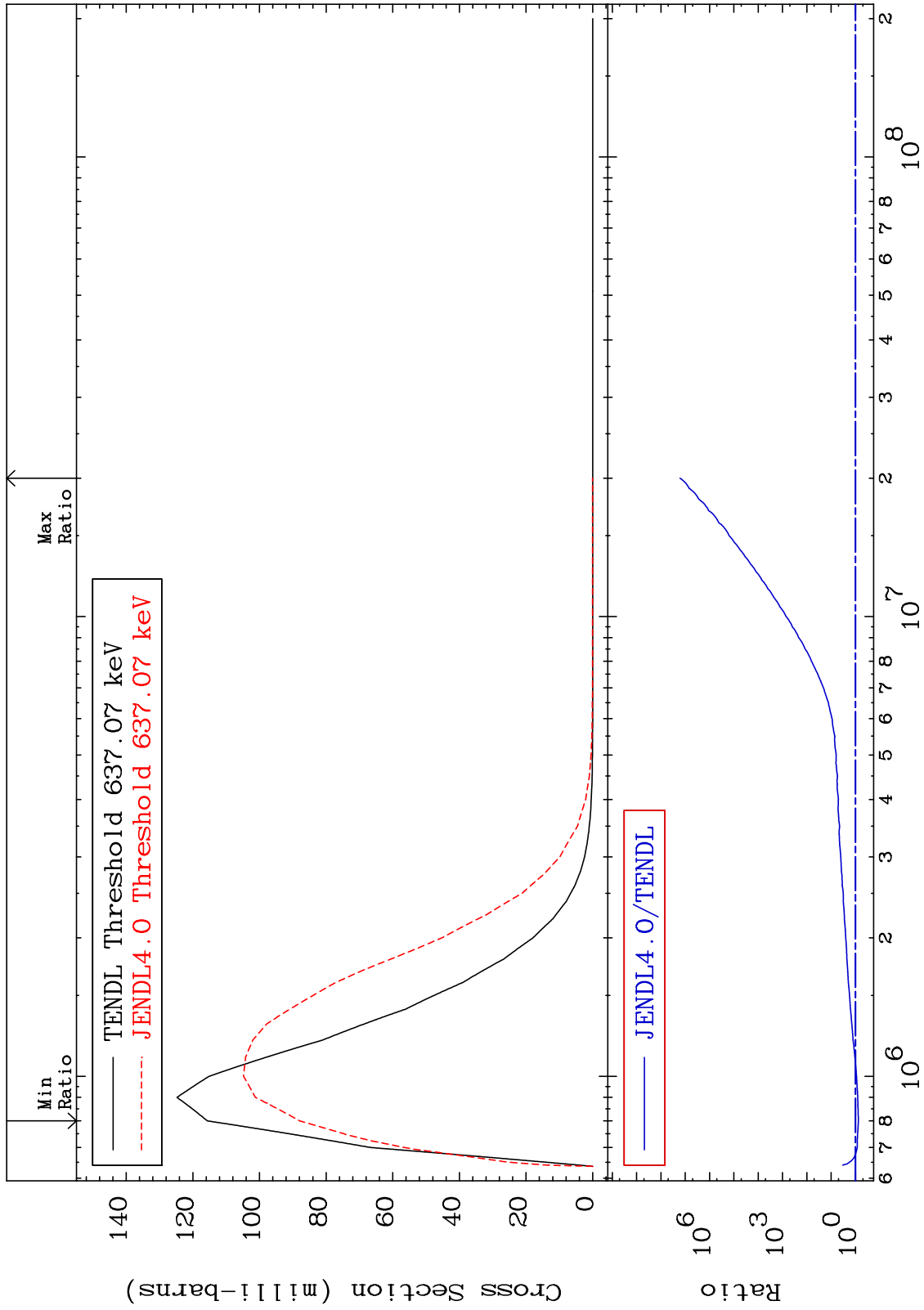


28

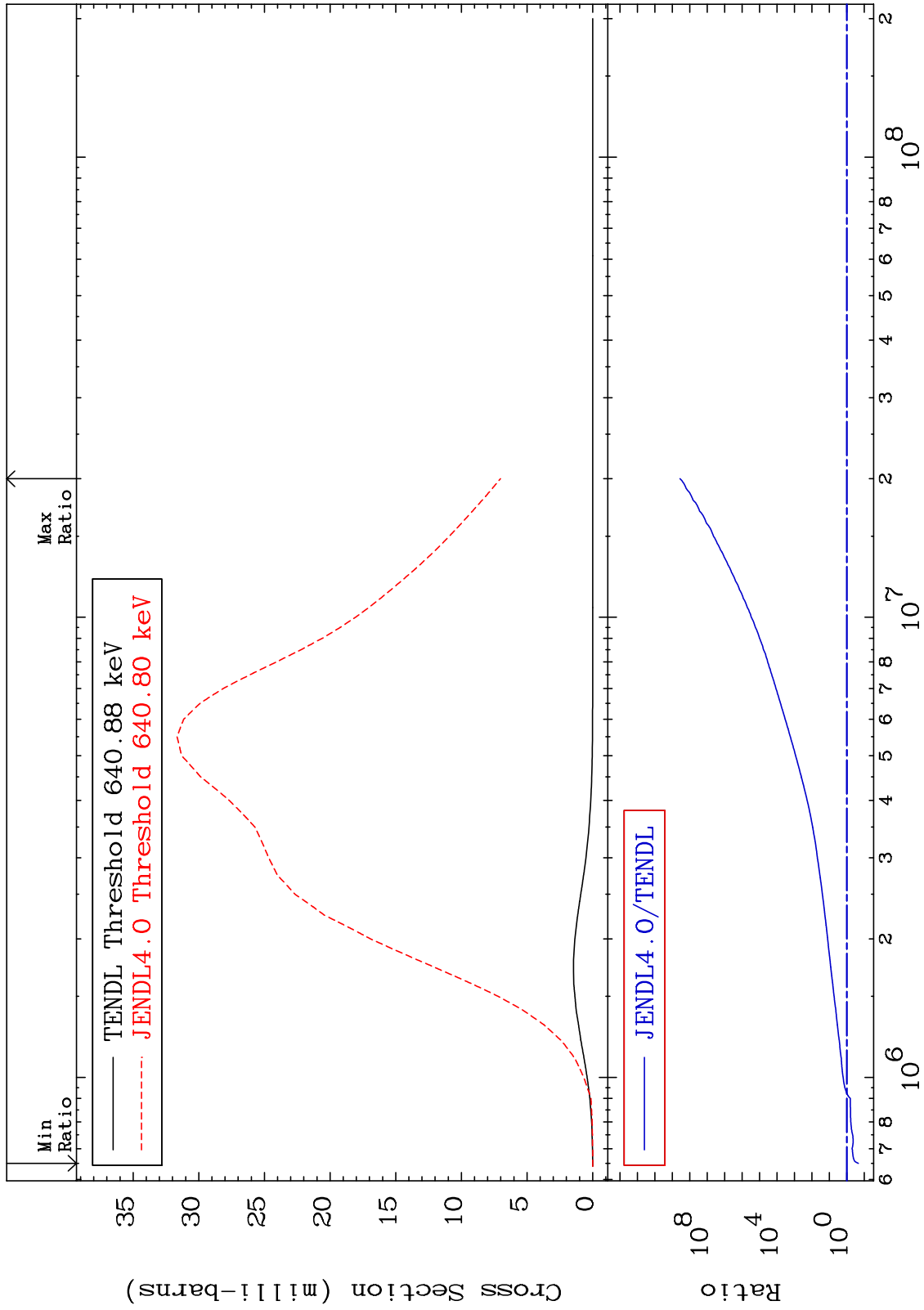
69-Tm-169

69-Tm-169

MAT 6925 MT= 68 (n,n') Level 69-Tm-169
 Cross Section -23.95 To 9999. %



MAT 6925 MT= 69 (n,n') Level 69-Tm-169
 Cross Section -78.57 To 9999. %

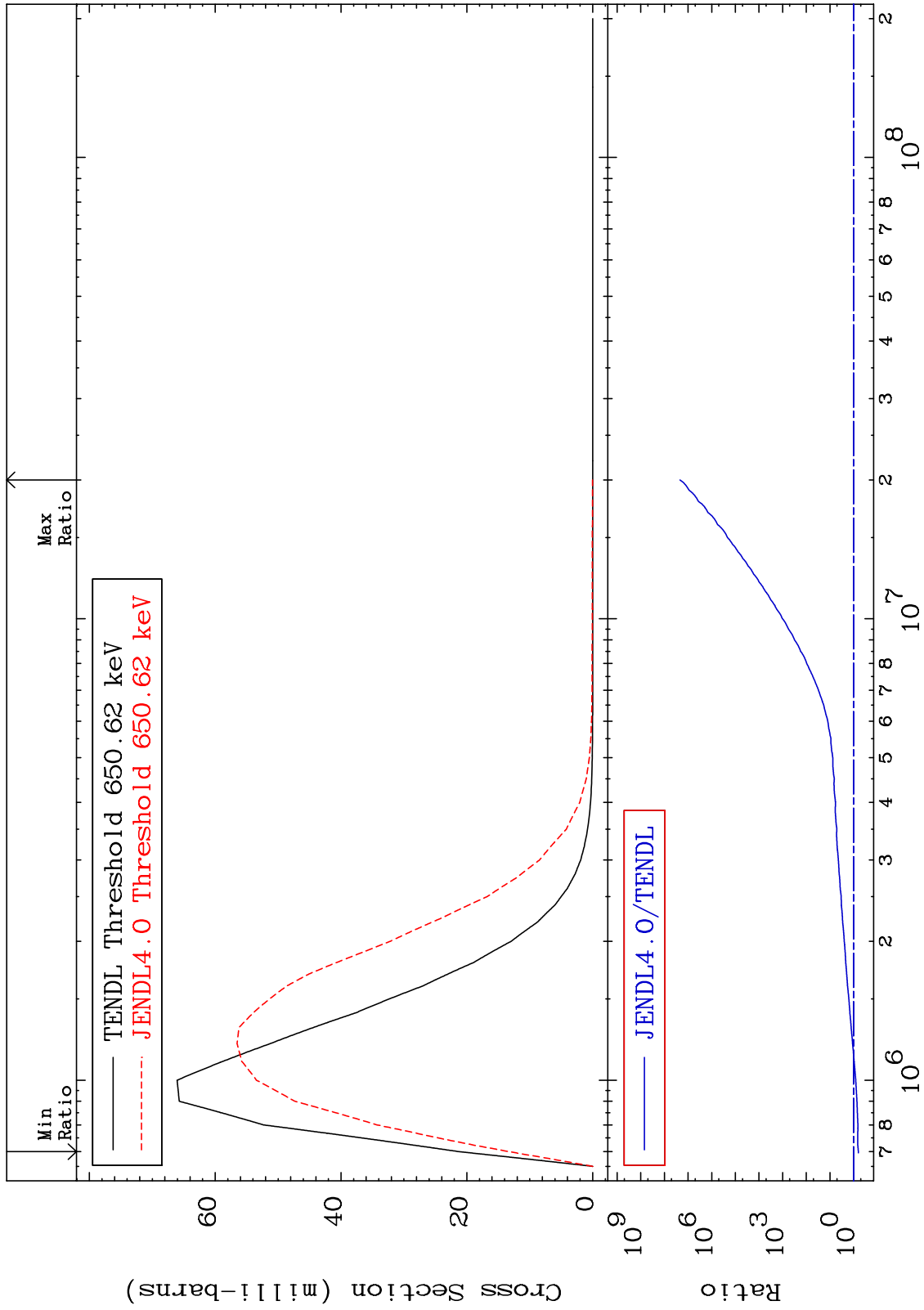


30 Incident Energy (eV) 69-Tm-169

MAT 6925

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

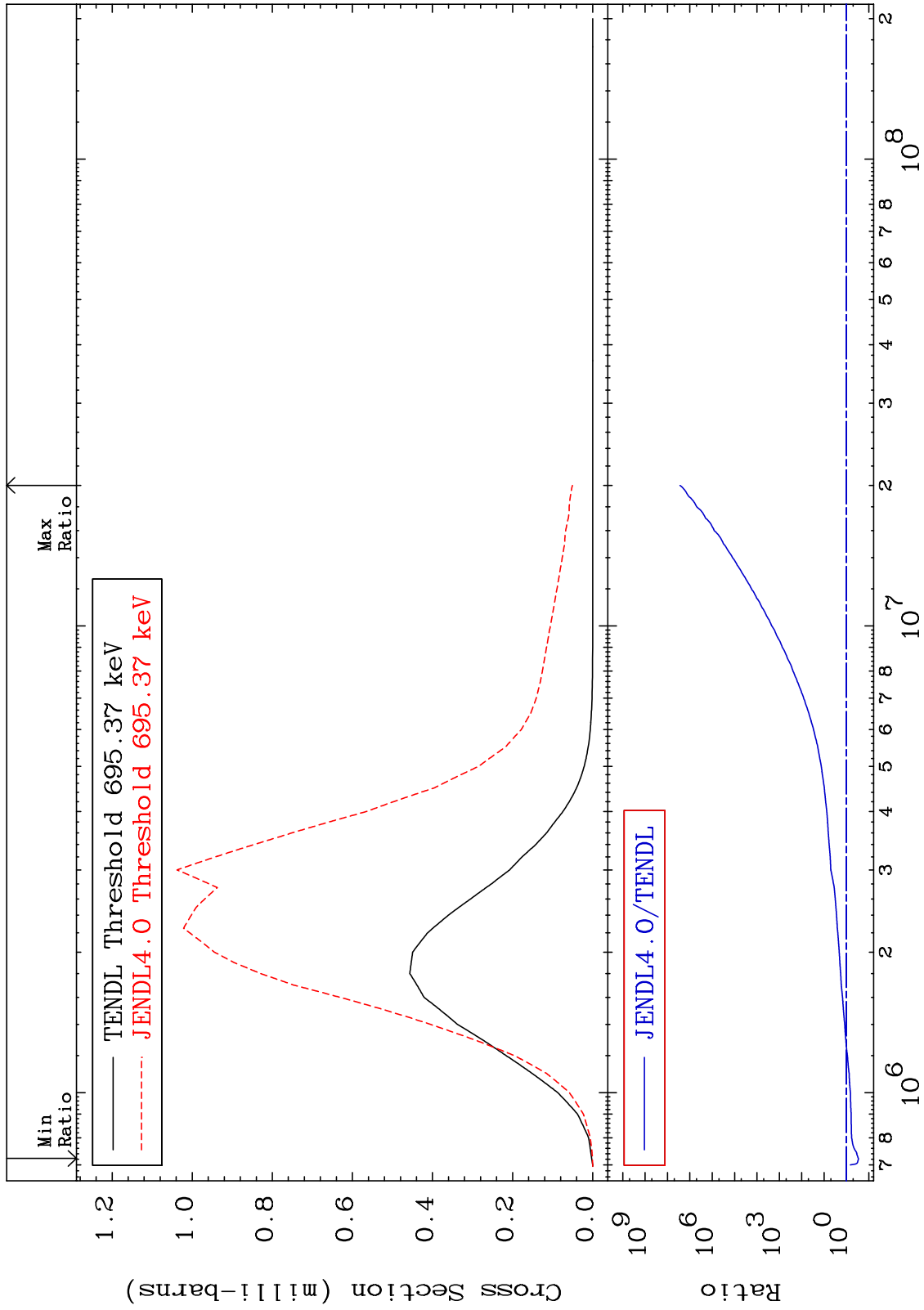
69-Tm-169
-37.59 To 9999. %



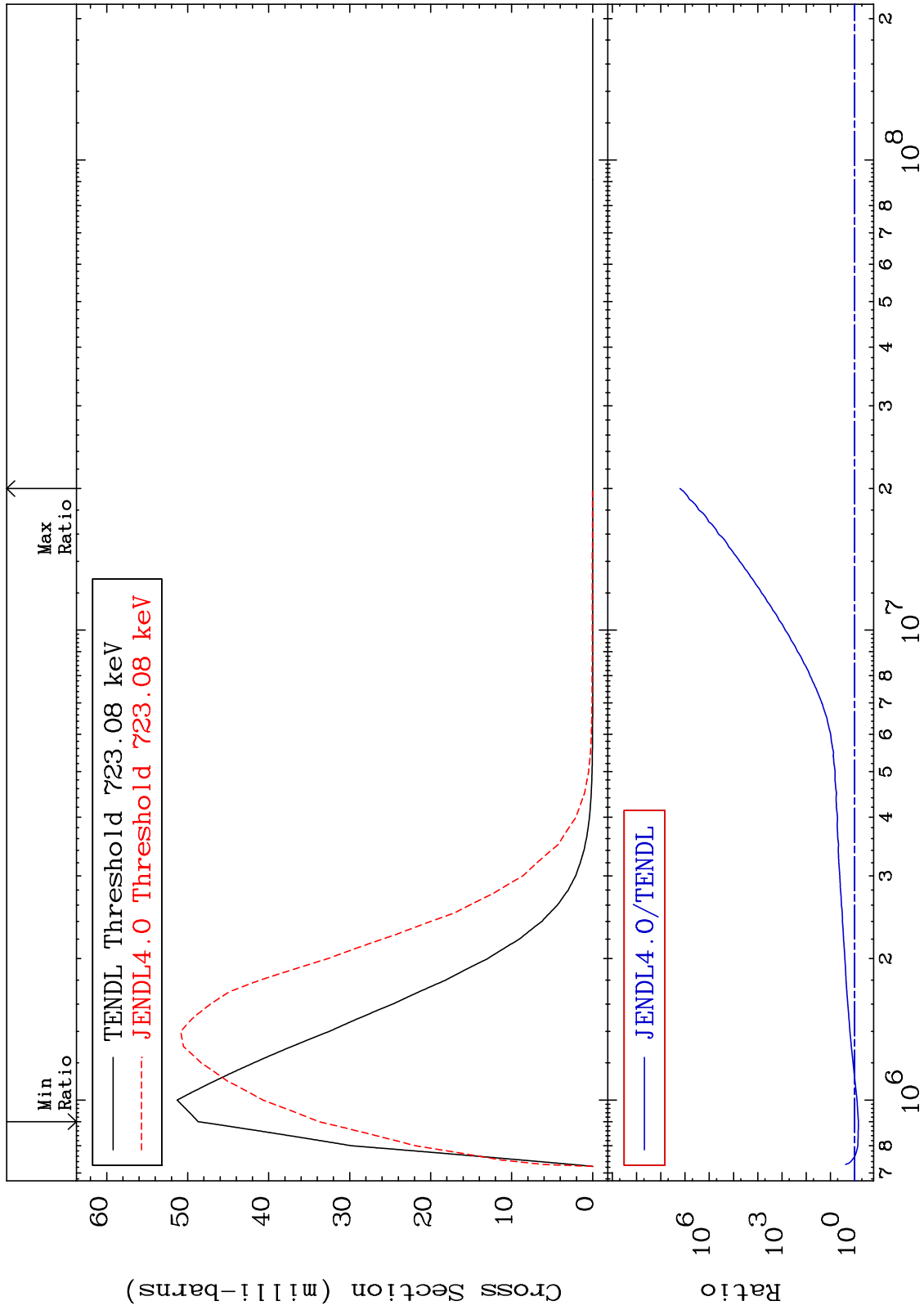
MAT 6925

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

69-Tm-169
-70.78 To 9999. %



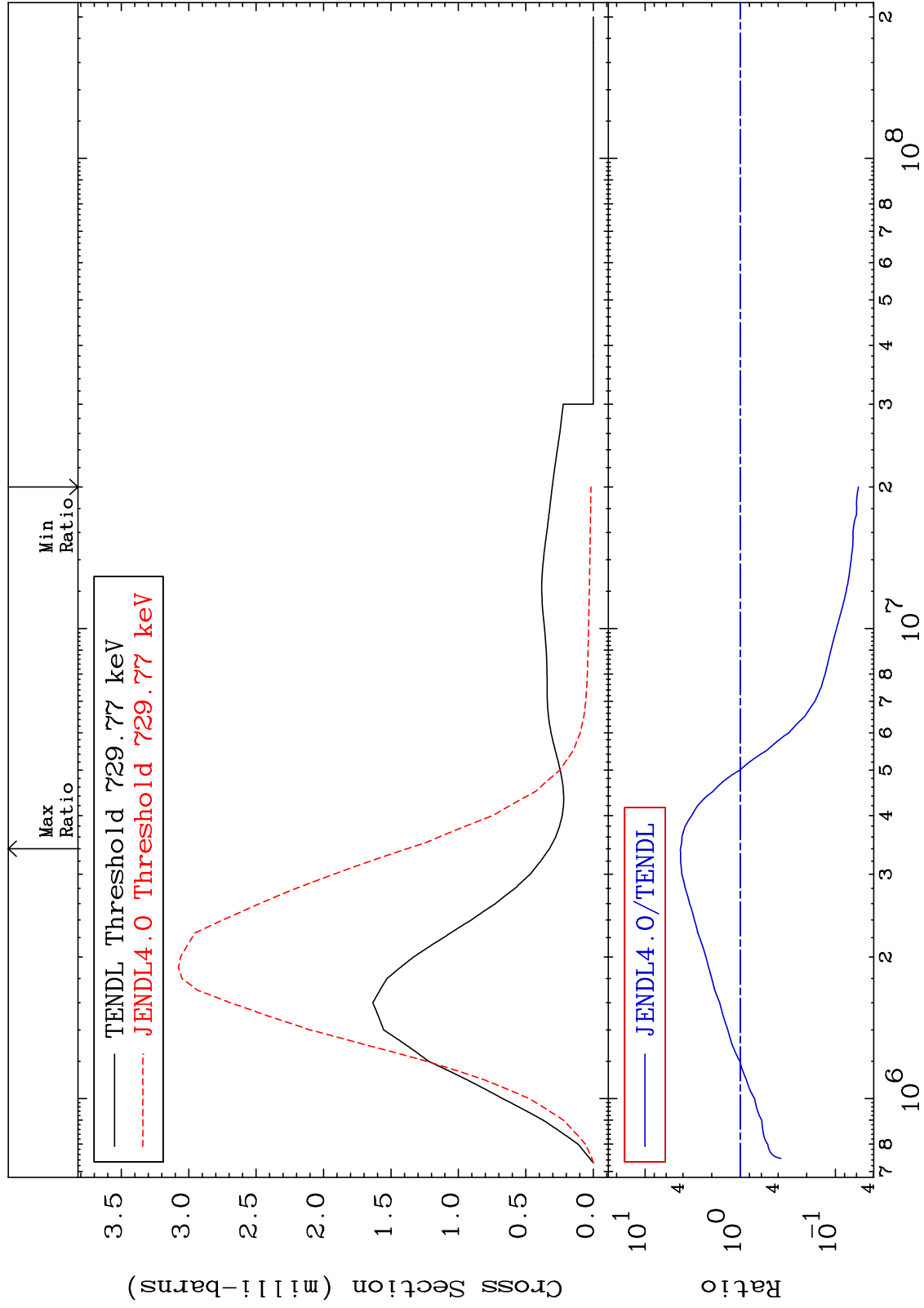
MAT 6925 MT= 72 (n,n') Level Cross Section 69-Tm-169
 -30.57 To 9999. %



MAT 6925

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

69-Tm-169
-94.29 To 325.4 %



34

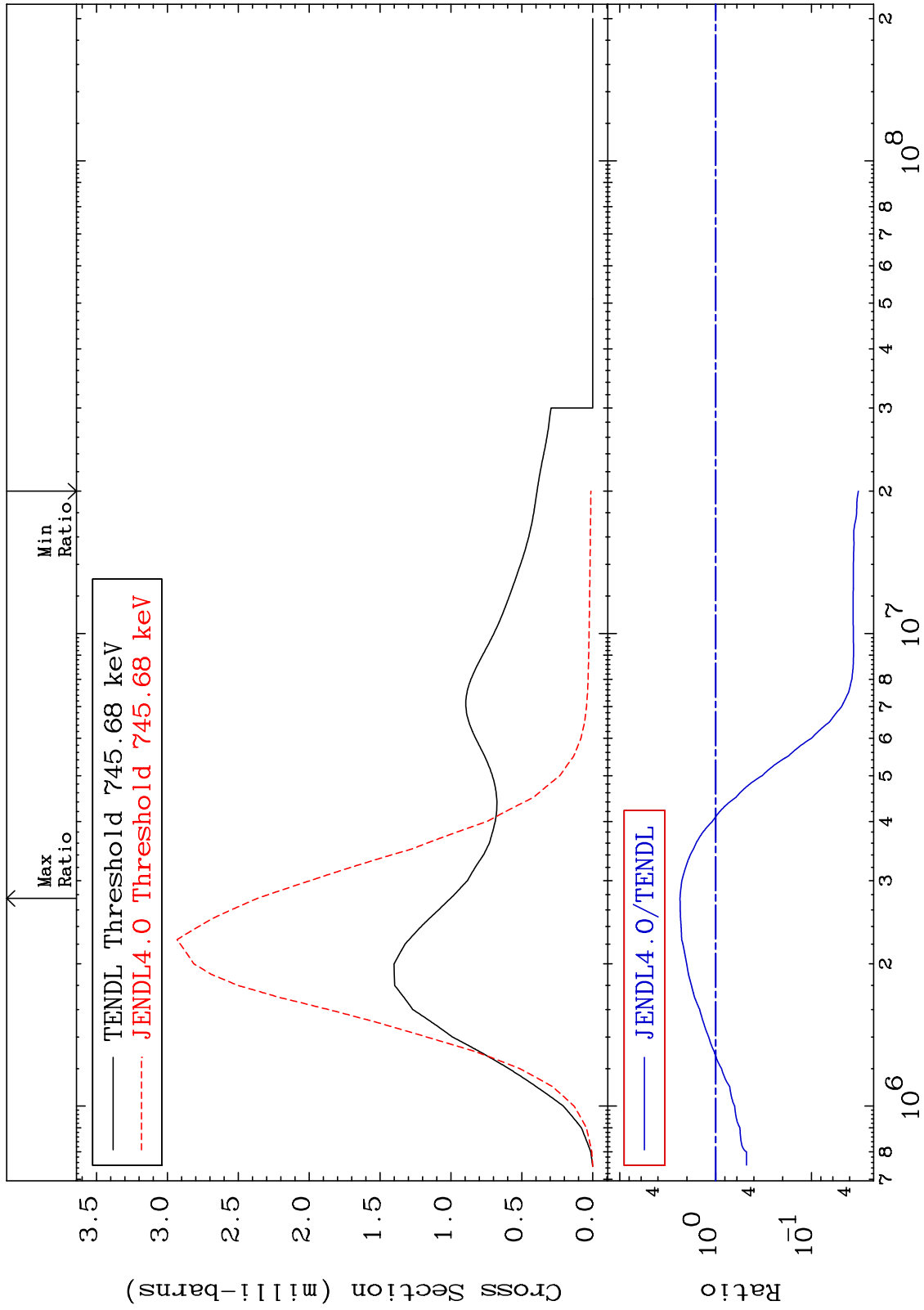
Incident Energy (eV)

69-Tm-169

MAT 6925

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

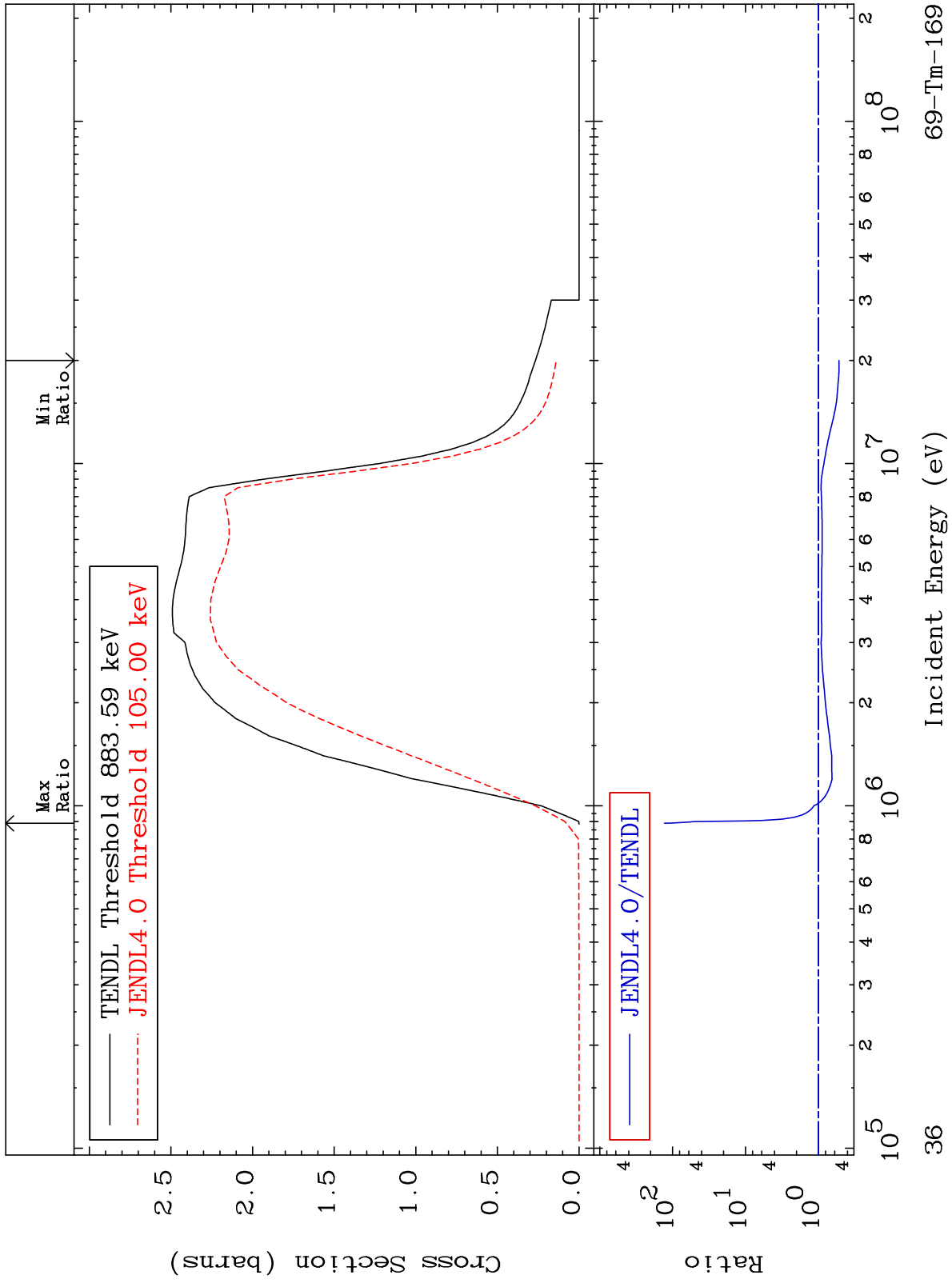
69-Tm-169
-96.76 To 135.6 %



MAT 6925

(n,n') Continuum
Cross Section

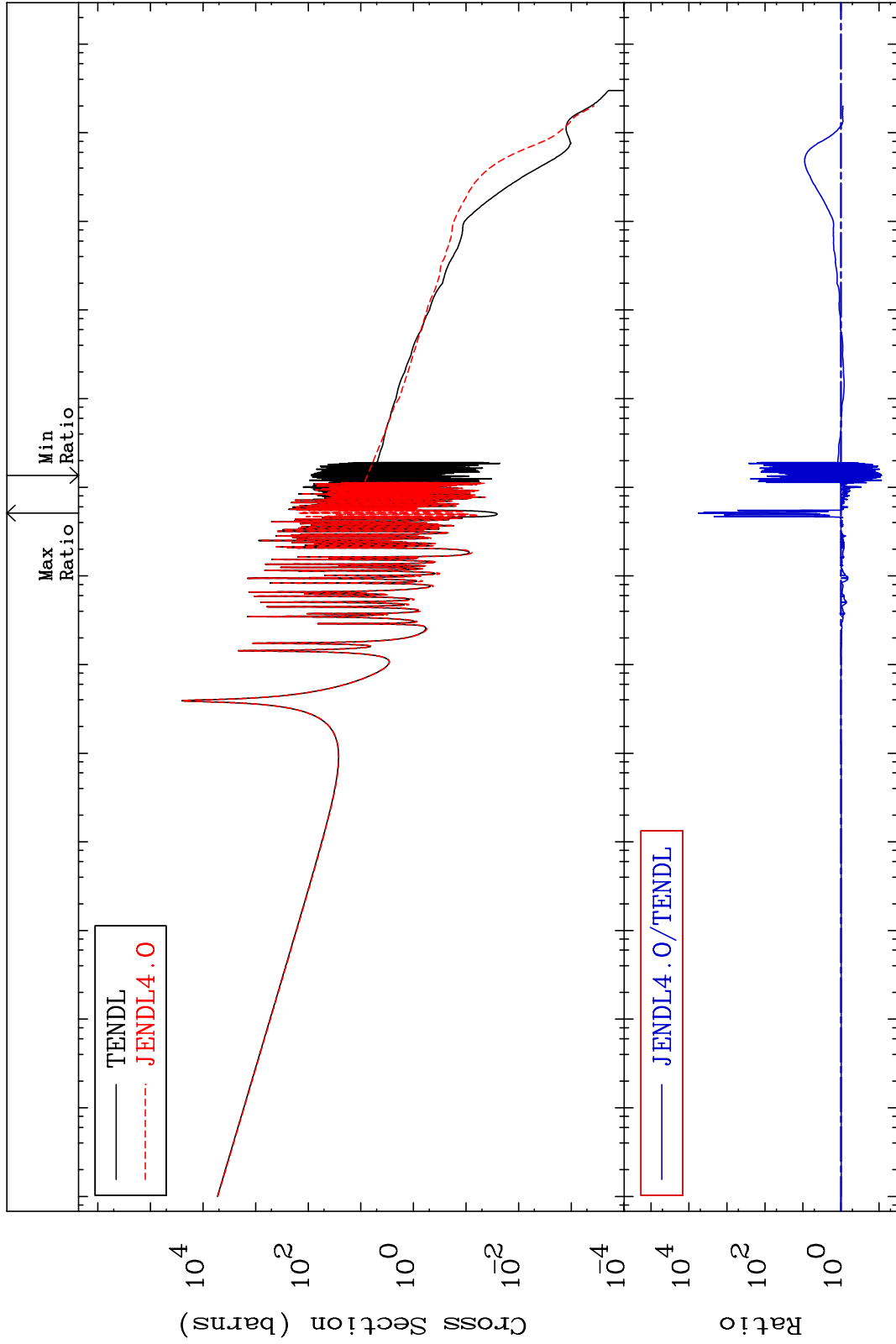
69-Tm-169
-47.80 To 9999. %



MAT 6925

(n, γ)
Cross Section

69-Tm-169
-91.45 To 9999. %



37

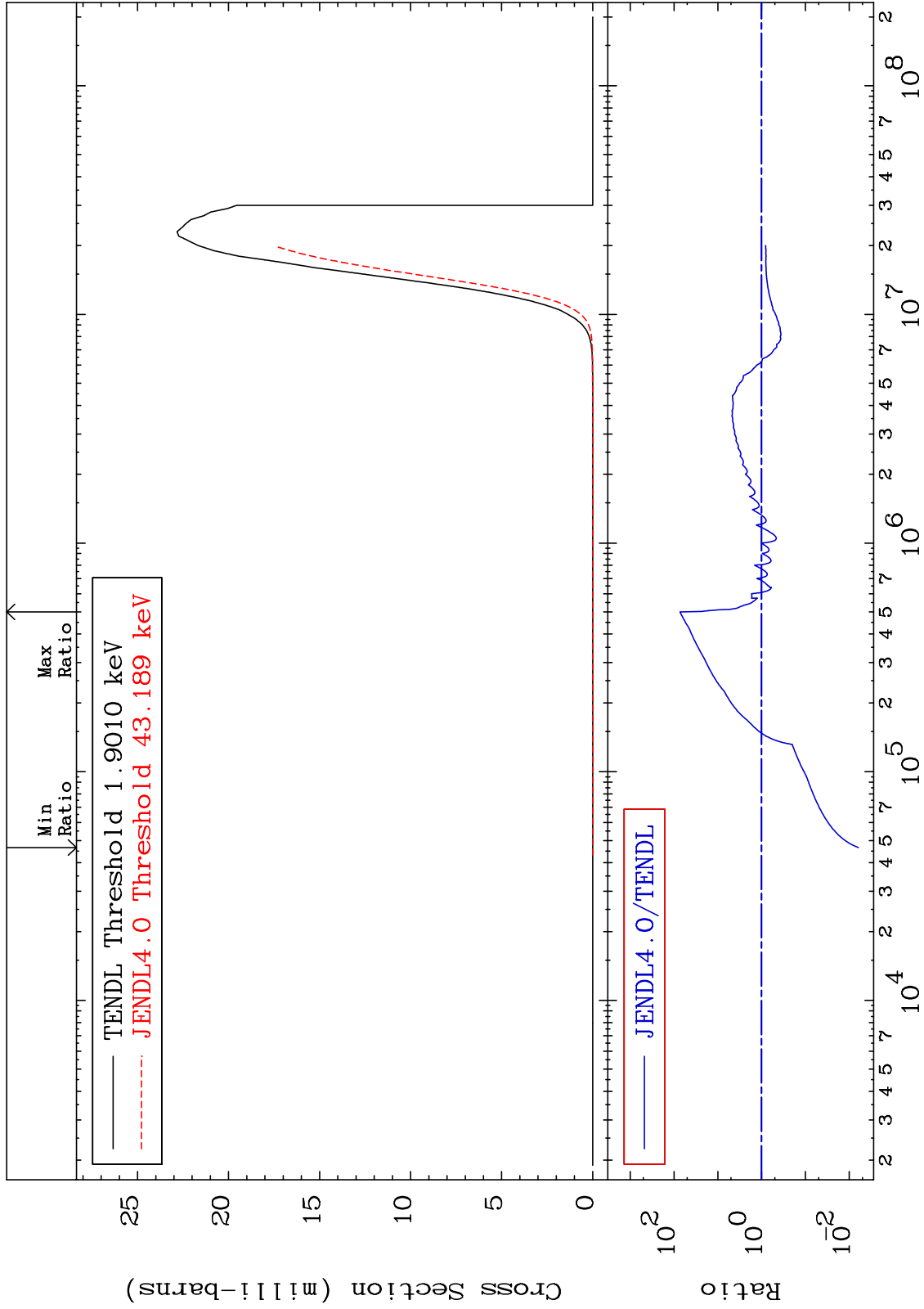
Incident Energy (eV)

69-Tm-169

MAT 6925

(n, p)
Cross Section

69-Tm-169
-99.38 To 7177. %



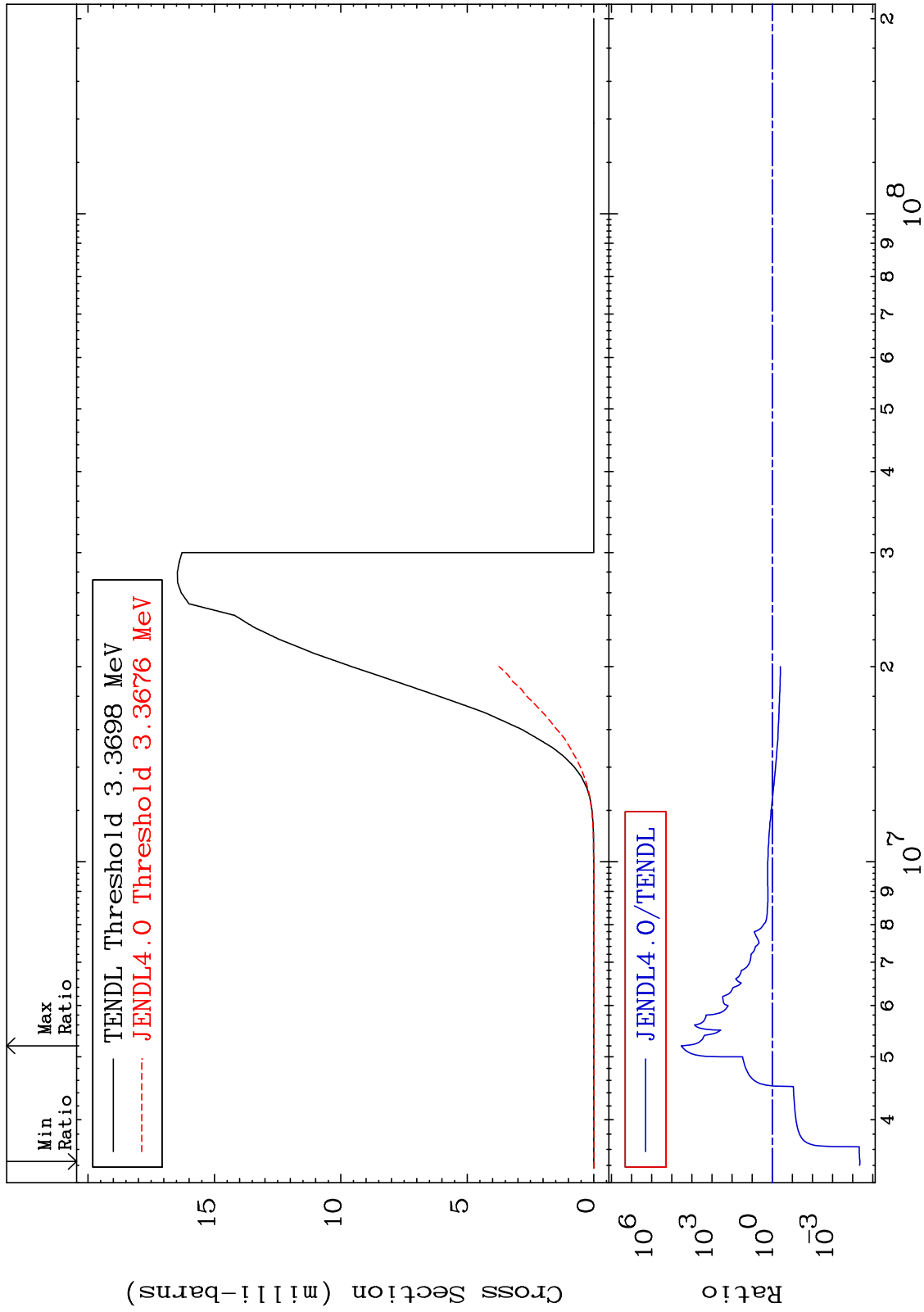
MAT 6925

(n, d)

69-Tm-169

Cross Section

-100.0 To 9999. %



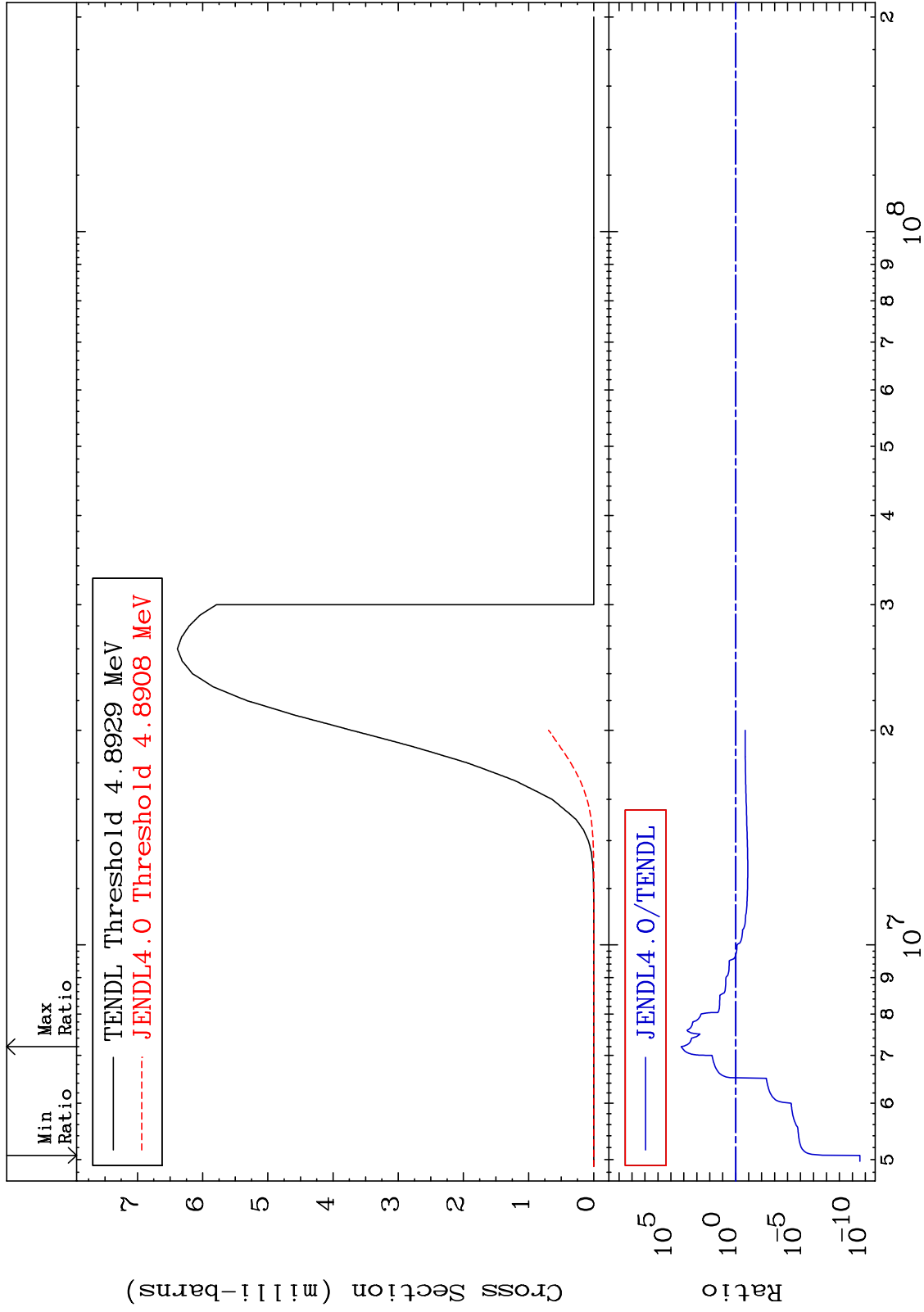
MAT 6925

(n, t)

69-Tm-169

Cross Section

-100.0 To 9999. %



40

Incident Energy (eV)

69-Tm-169

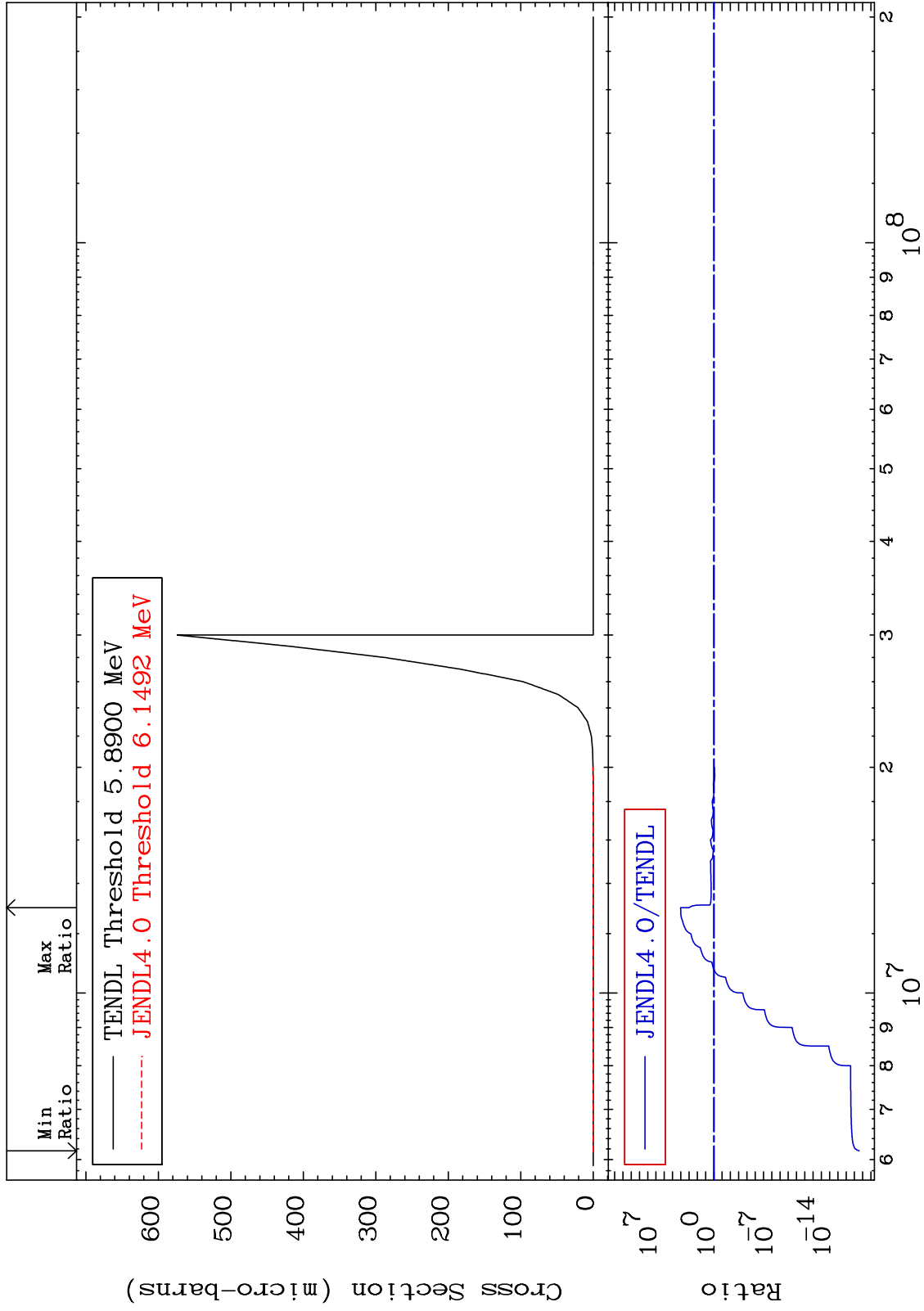
MAT 6925

(n, He-3)

69-Tm-169

Cross Section

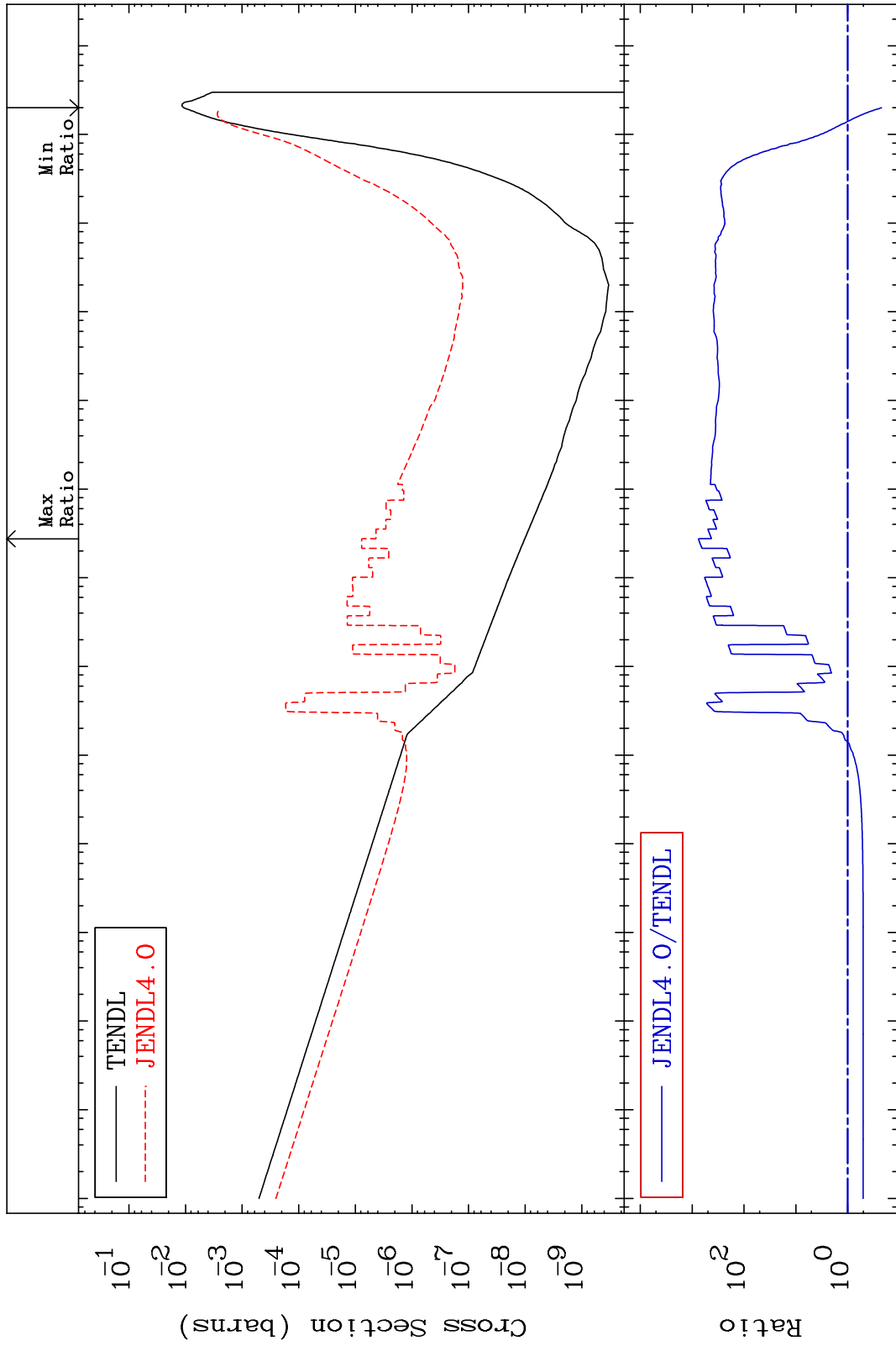
-100.0 To 9999. %



MAT 6925

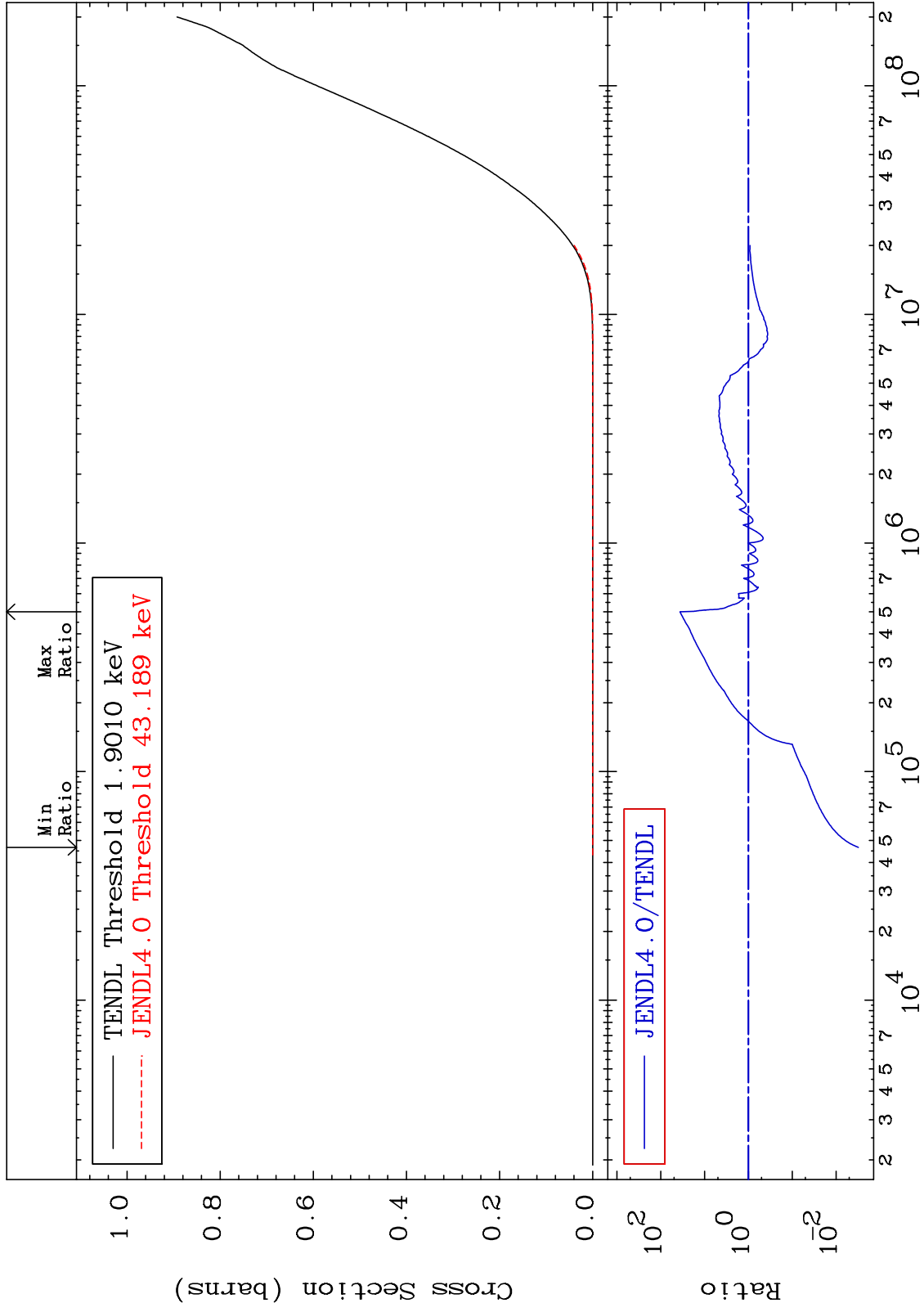
(n, α)
Cross Section

69-Tm-169
-77.74 To 9999. %



Incident Energy (eV)

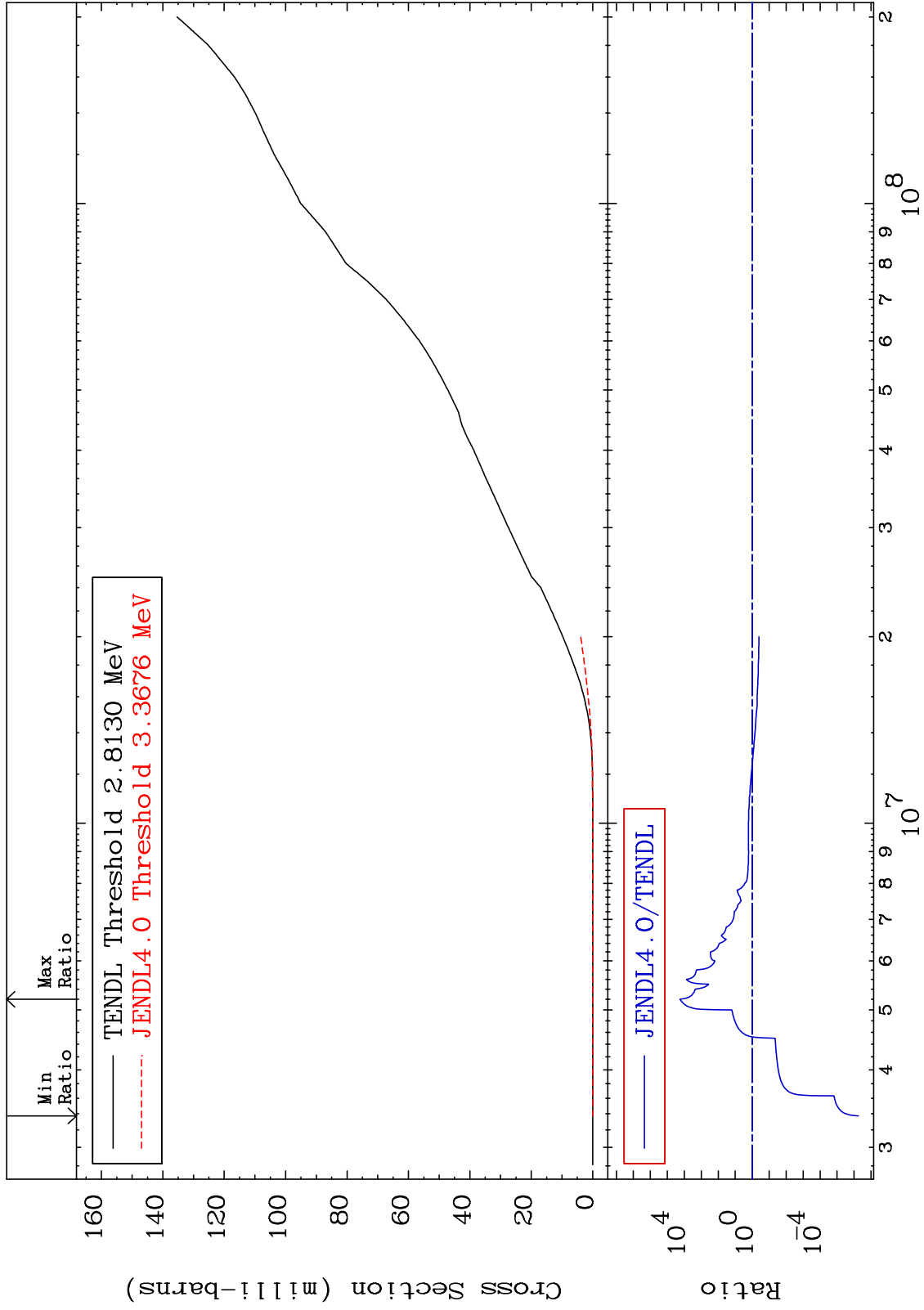
69-Tm-169



MAT 6925

Deuterium Production
Cross Section

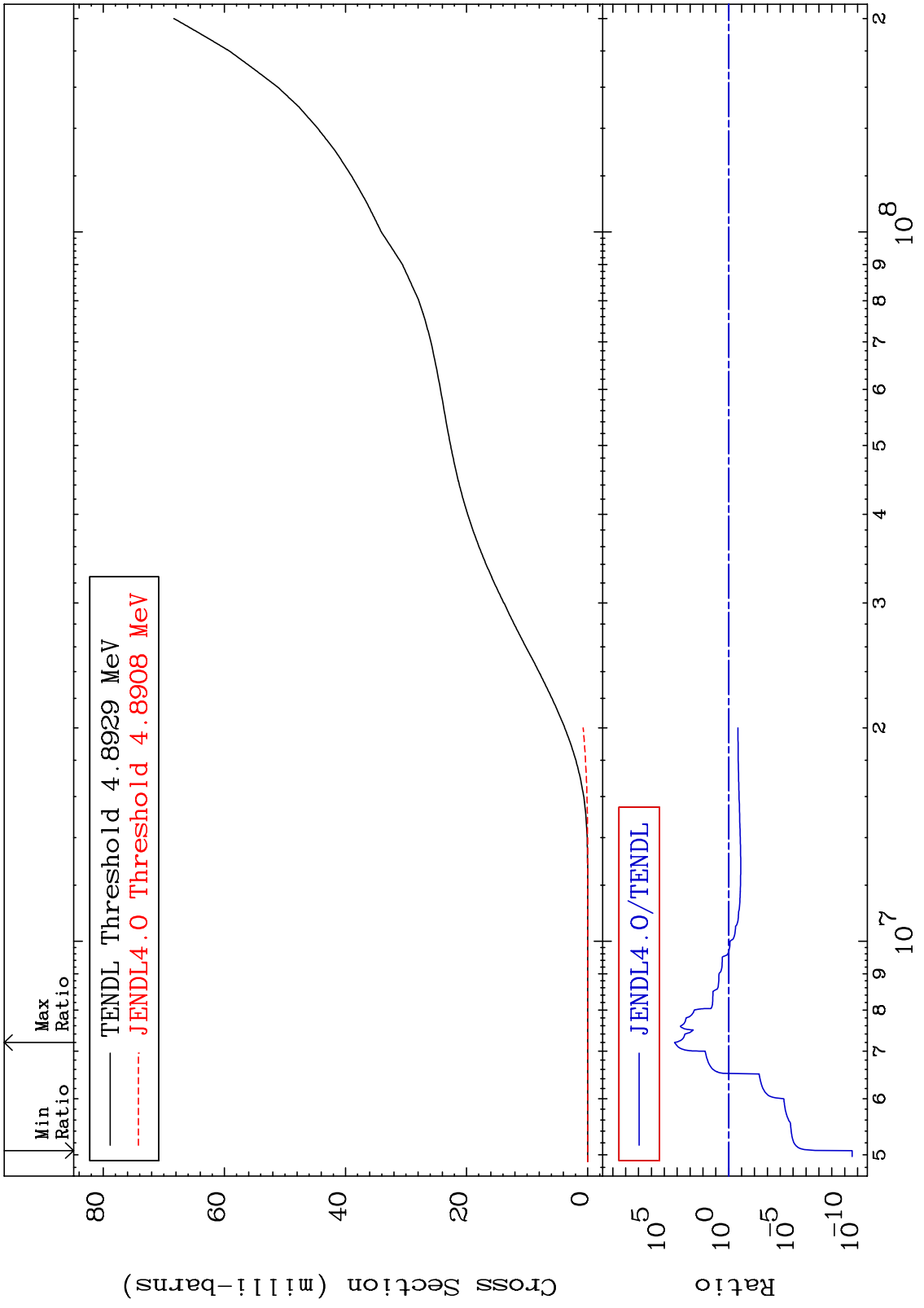
69-Tm-169
-100.0 To 9999. %



MAT 6925

Tritium Production
Cross Section

69-Tm-169
-100.0 To 9999. %



45

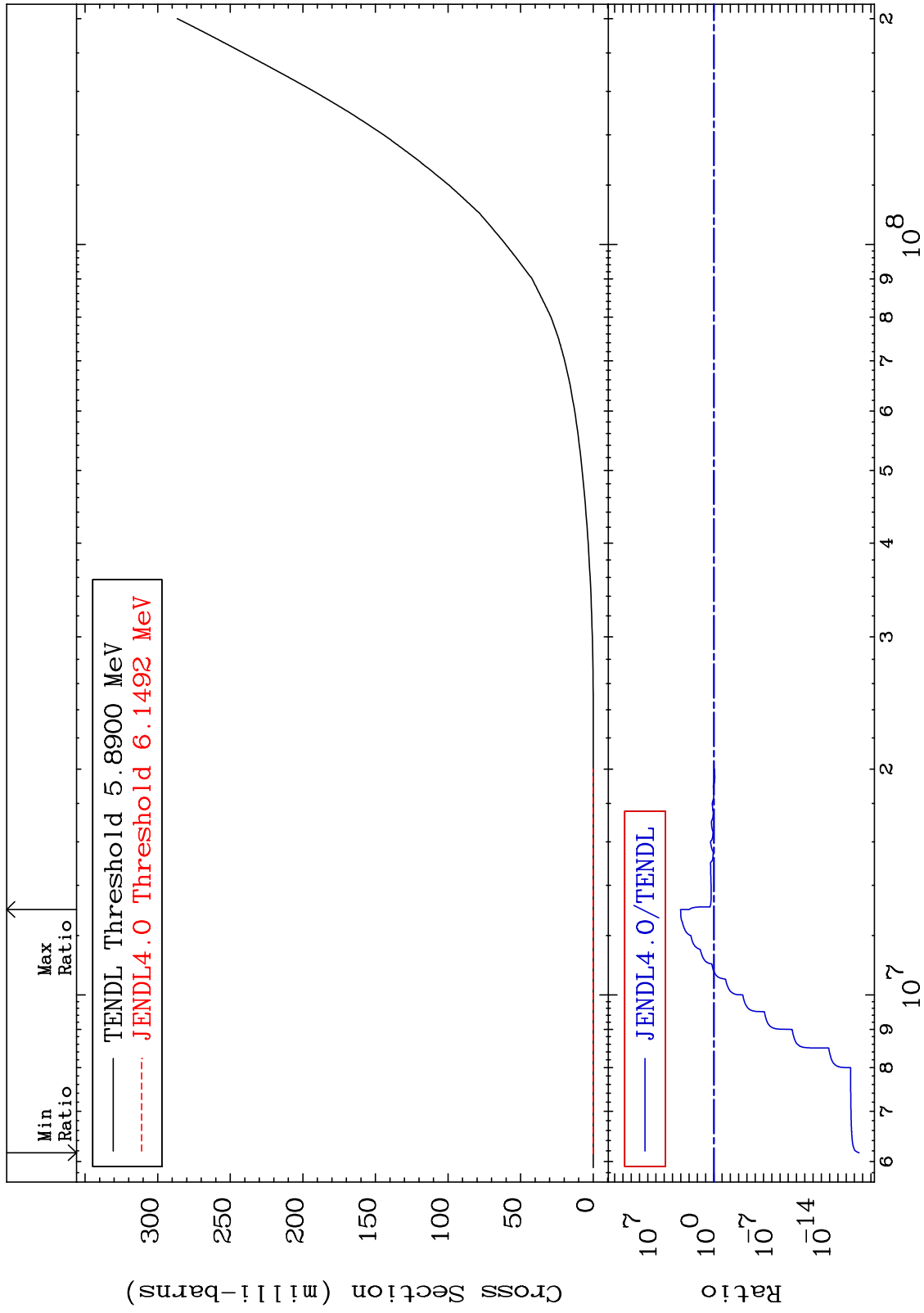
Incident Energy (eV)

69-Tm-169

MAT 6925

He-3 Production
Cross Section

69-Tm-169
-100.0 To 9999. %



46

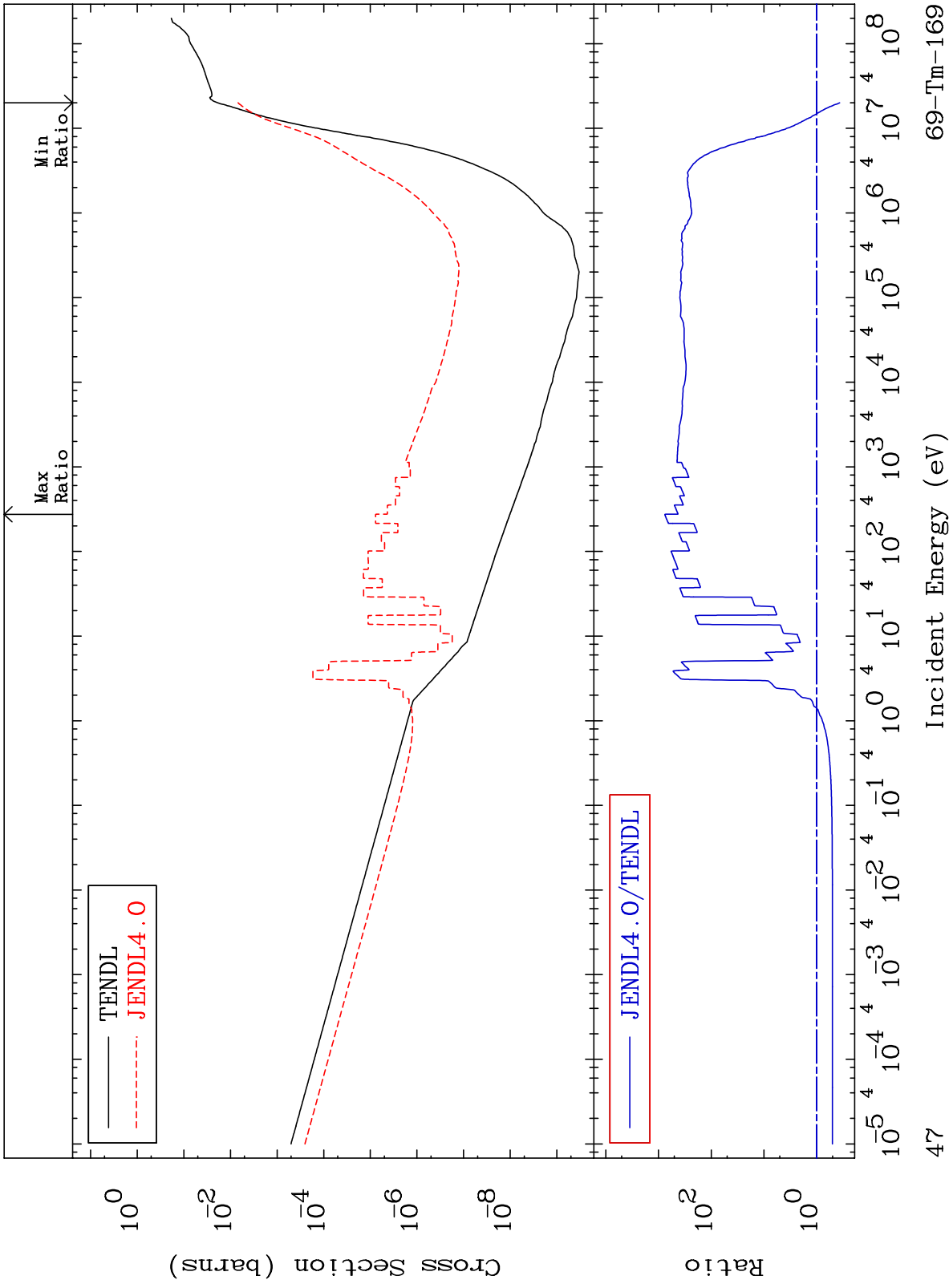
Incident Energy (eV)

69-Tm-169

MAT 6925

He-4 Production
Cross Section

69-Tm-169
-63.49 To 9999. %



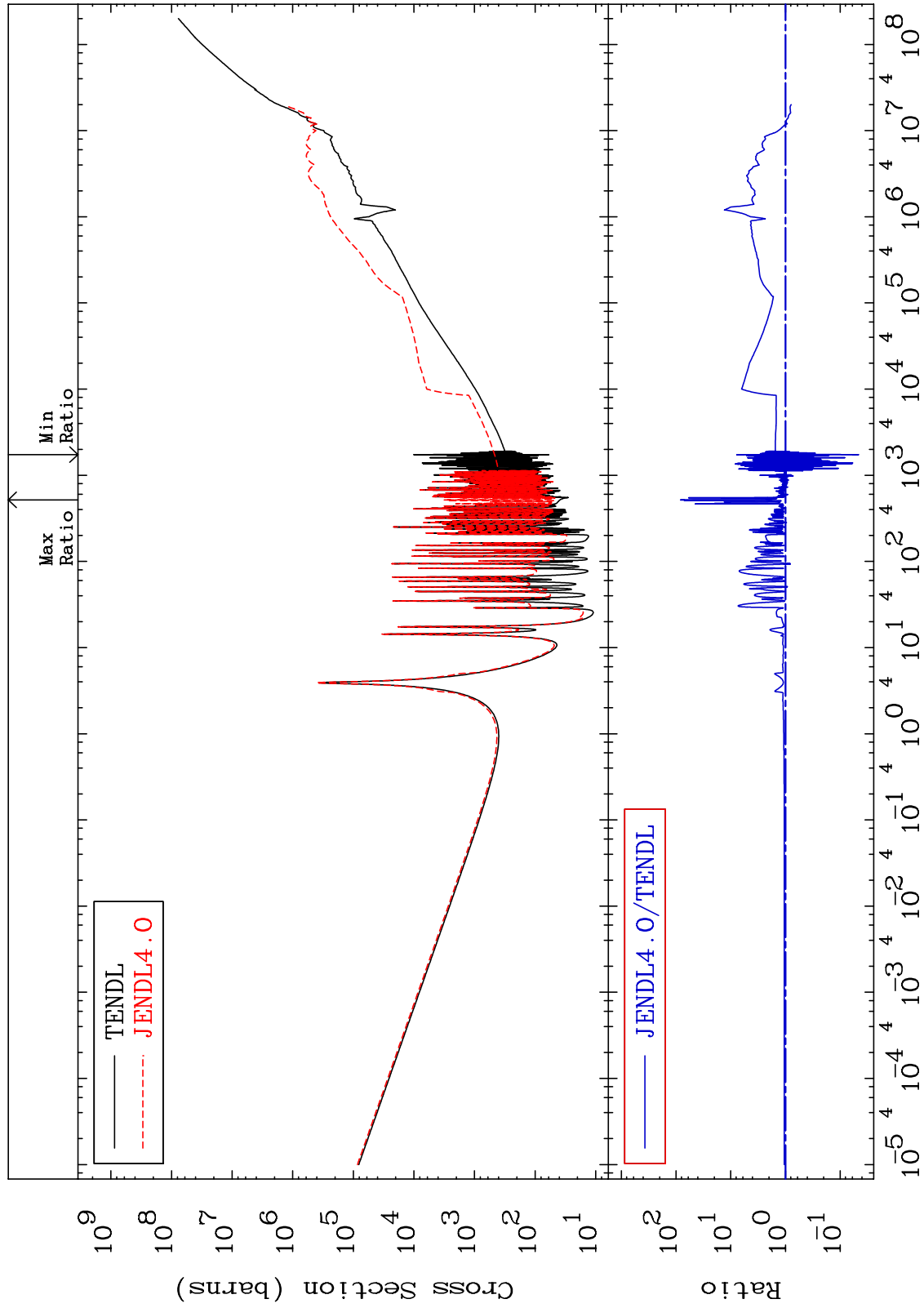
47

69-Tm-169

MAT 6925

Kerma total (eV-barns)
Cross Section

69-Tm-169
-95.38 To 8219. %



48

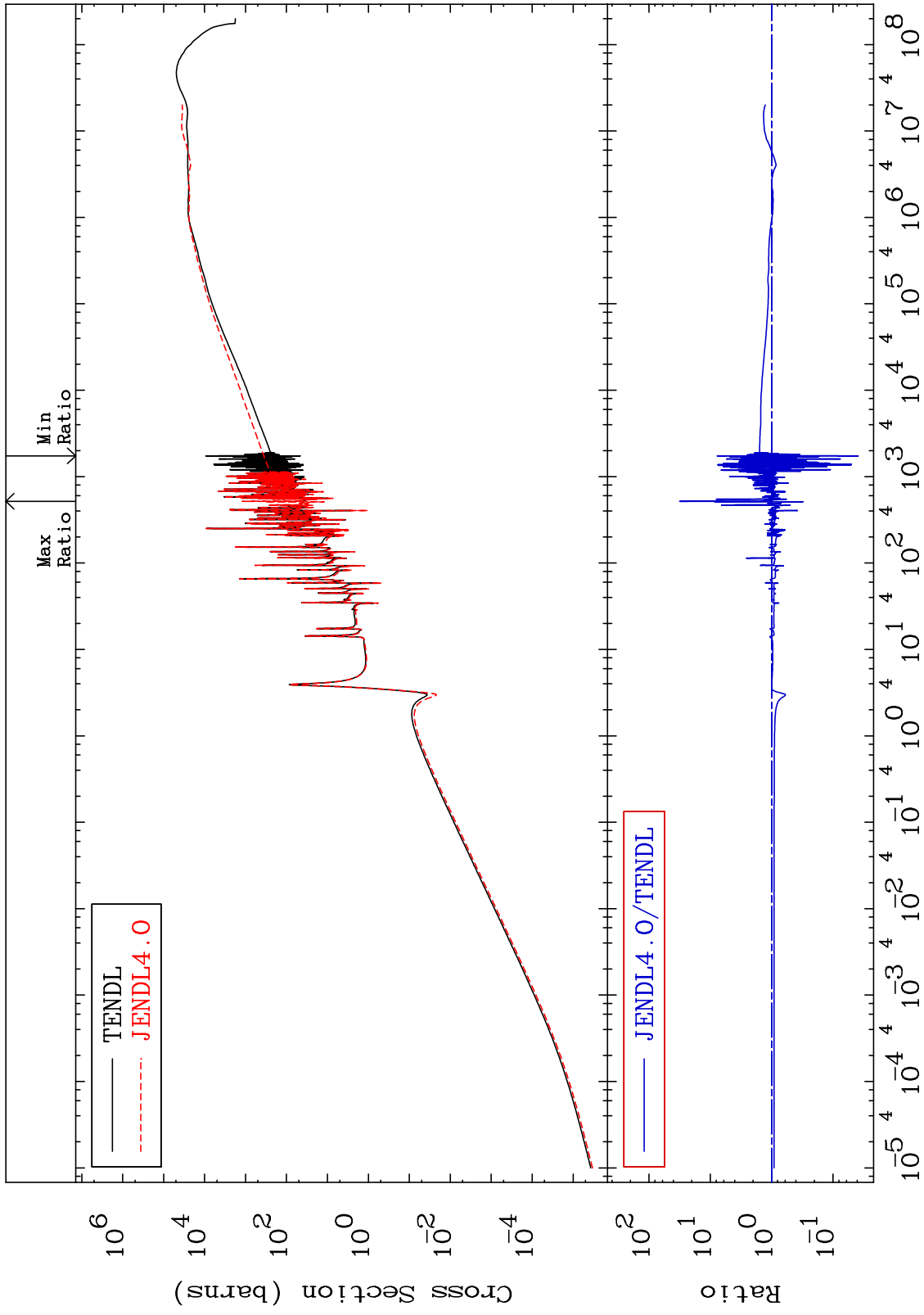
Incident Energy (eV)

69-Tm-169

MAT 6925

Kerma elastic
Cross Section

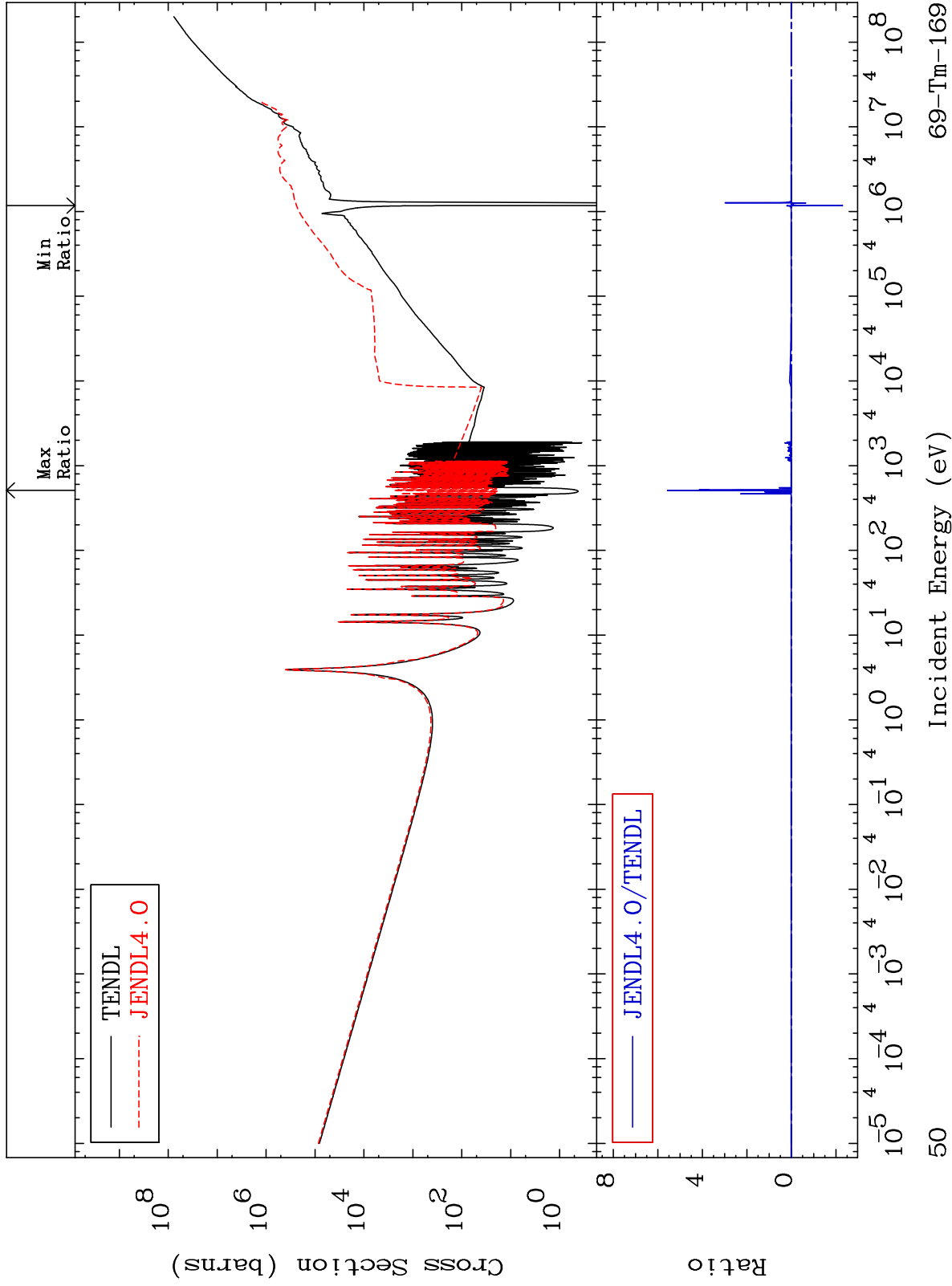
69-Tm-169
-96.16 To 3040. %



MAT 6925

Kerma non-elastic (all but mt2)
Cross Section

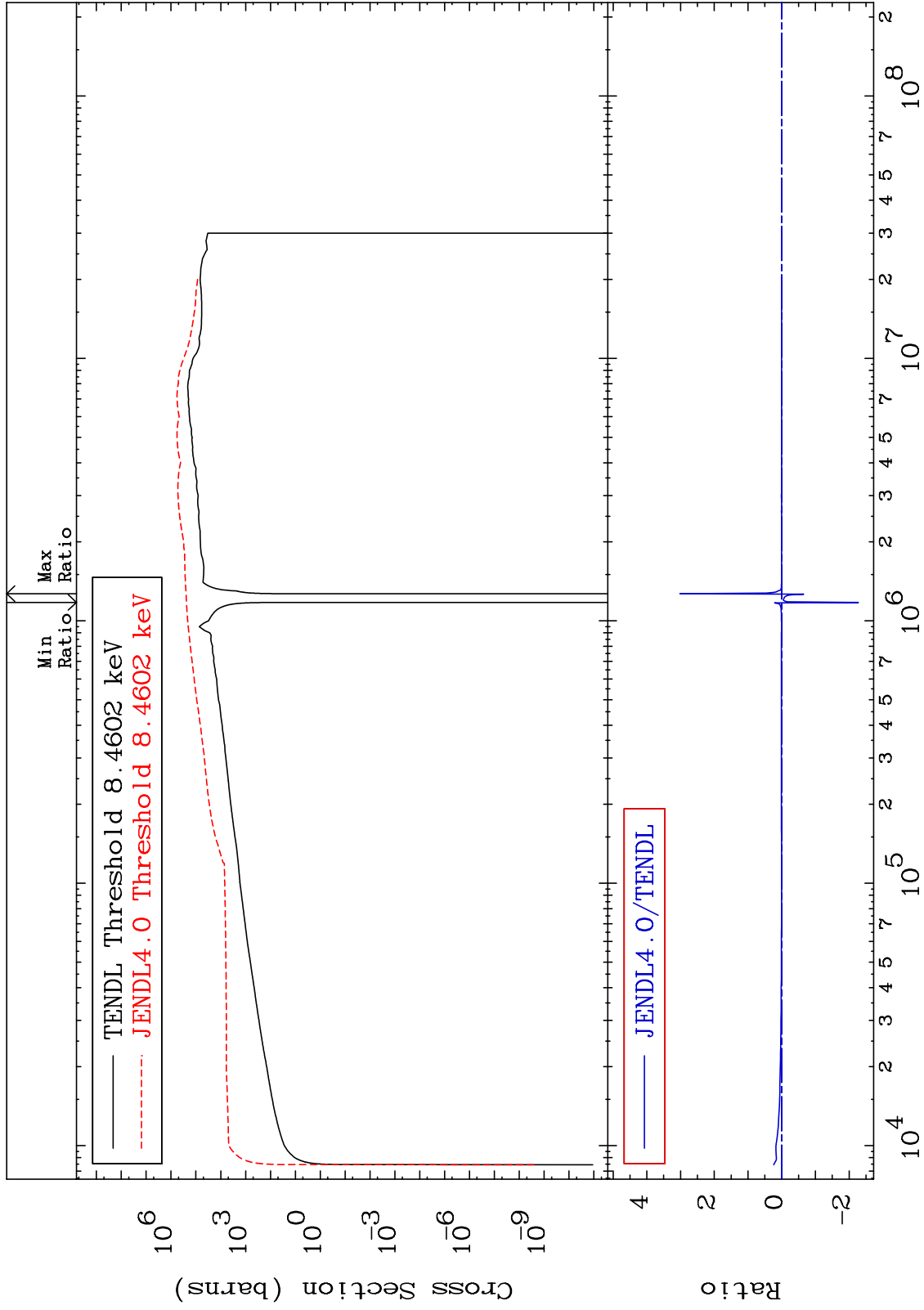
69-Tm-169
-9999. To 9999. %



MAT 6925

Kerma inelastic (mt51-91)
Cross Section

69-Tm-169
-9999. To 9999. %



51

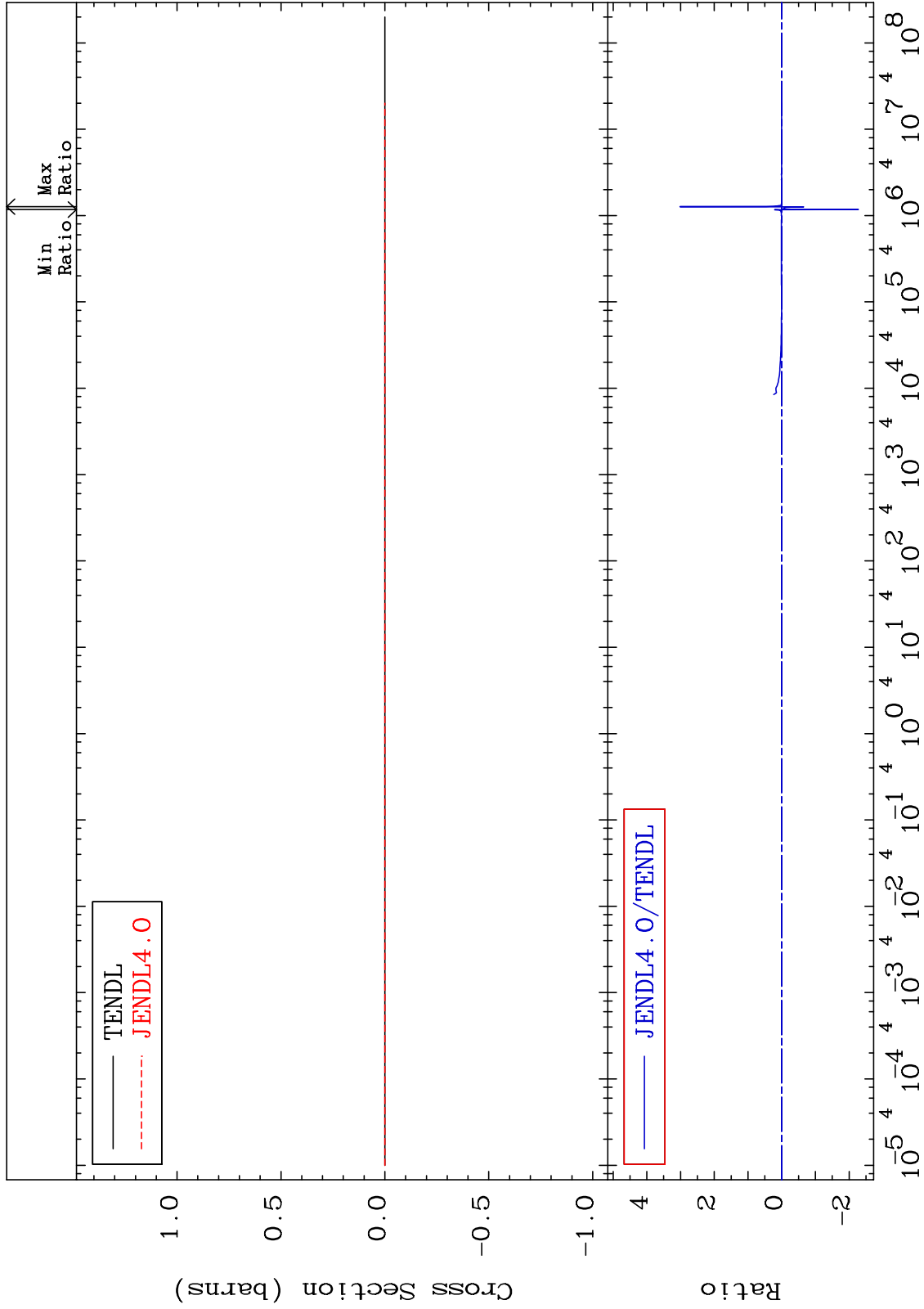
Incident Energy (eV)

69-Tm-169

MAT 6925

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

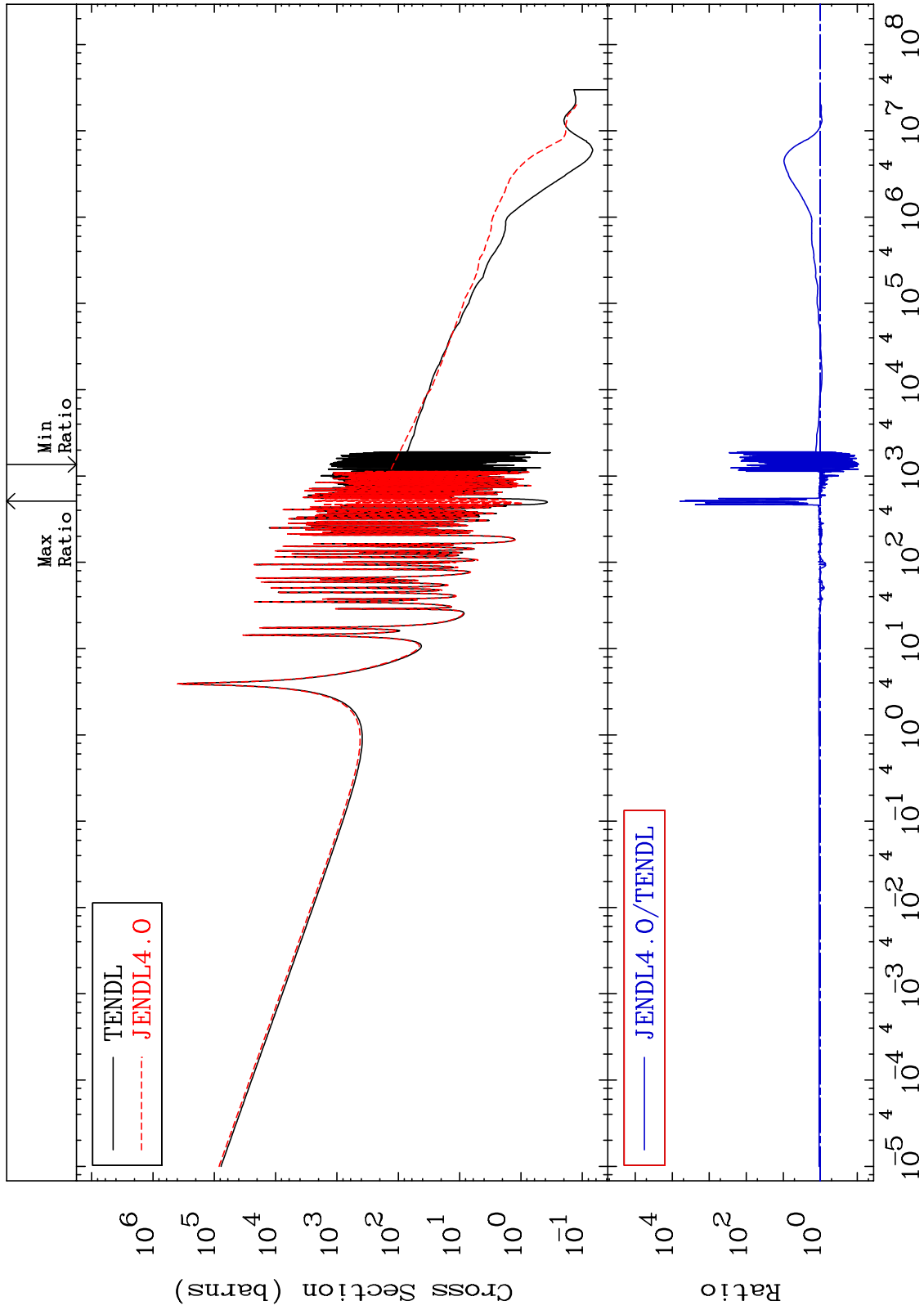
69-Tm-169
-9999. To 9999. %



MAT 6925

Kerma capture (mt102)
Cross Section

69-Tm-169
-90.67 To 9999. %



53

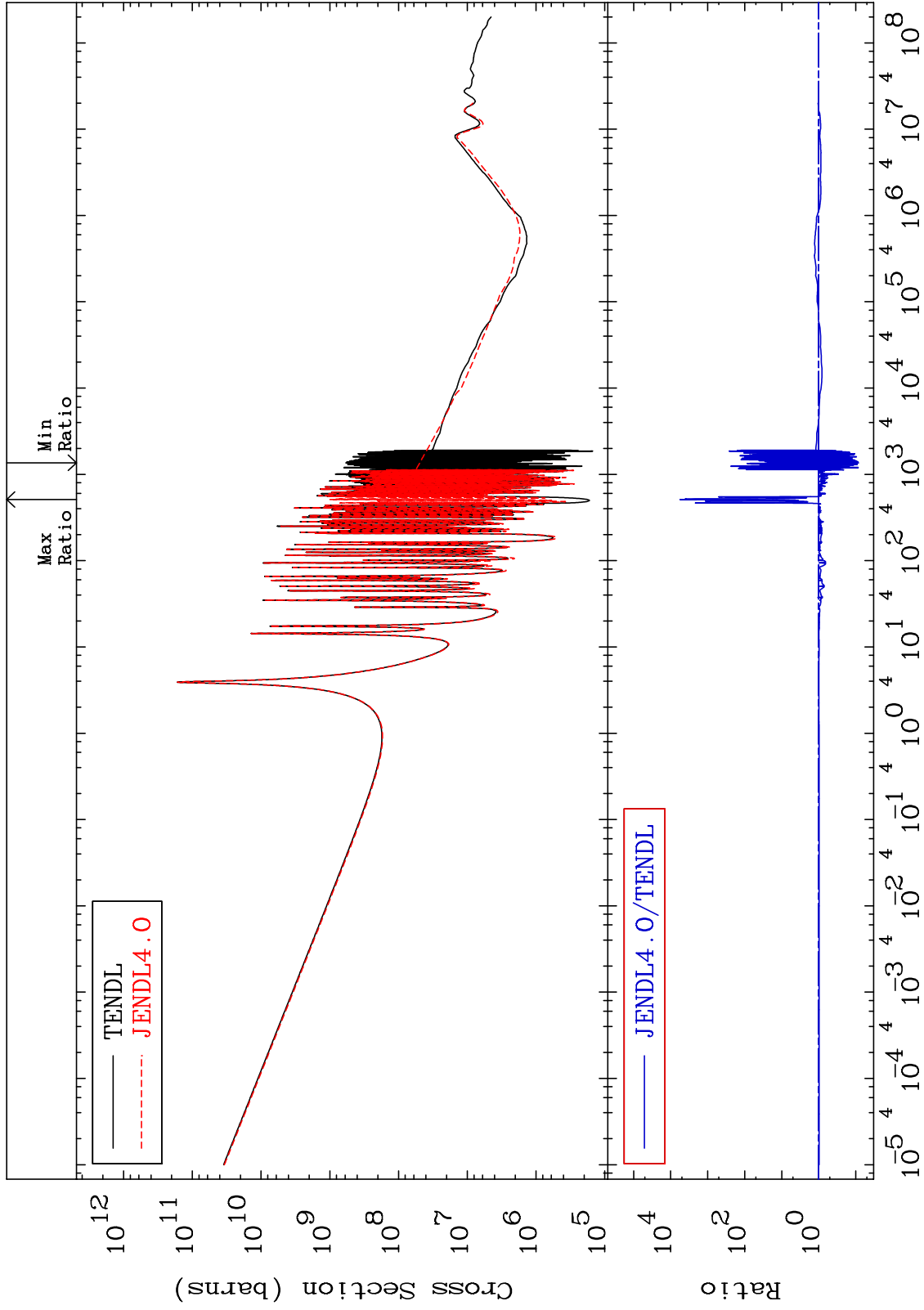
Incident Energy (eV)

69-Tm-169

MAT 6925

Total photon (eV-barns)
Cross Section

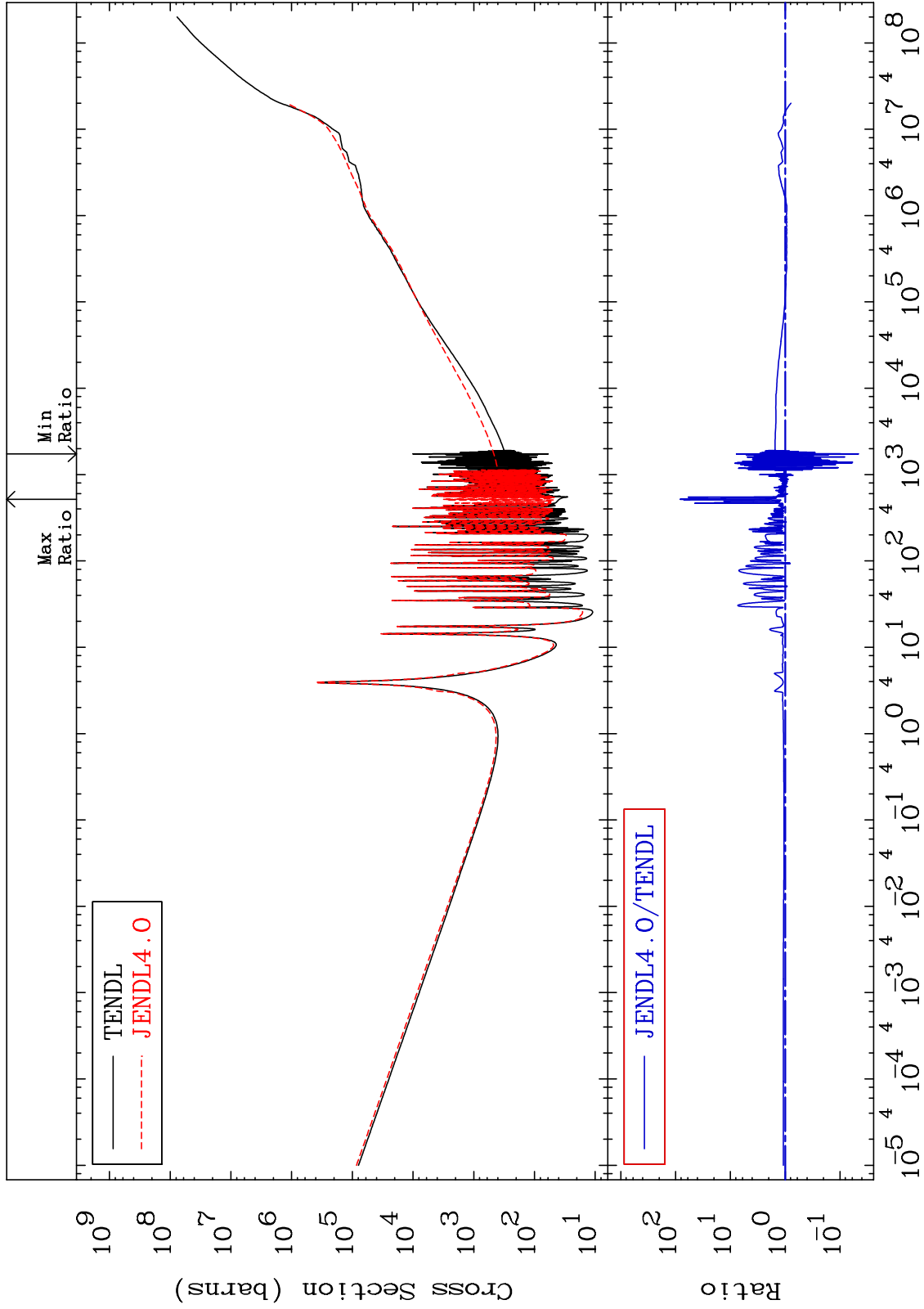
69-Tm-169
-91.54 To 9999. %



MAT 6925

Total kinematic kerma (high limit)
Cross Section

69-Tm-169
-95.38 To 8219. %



55

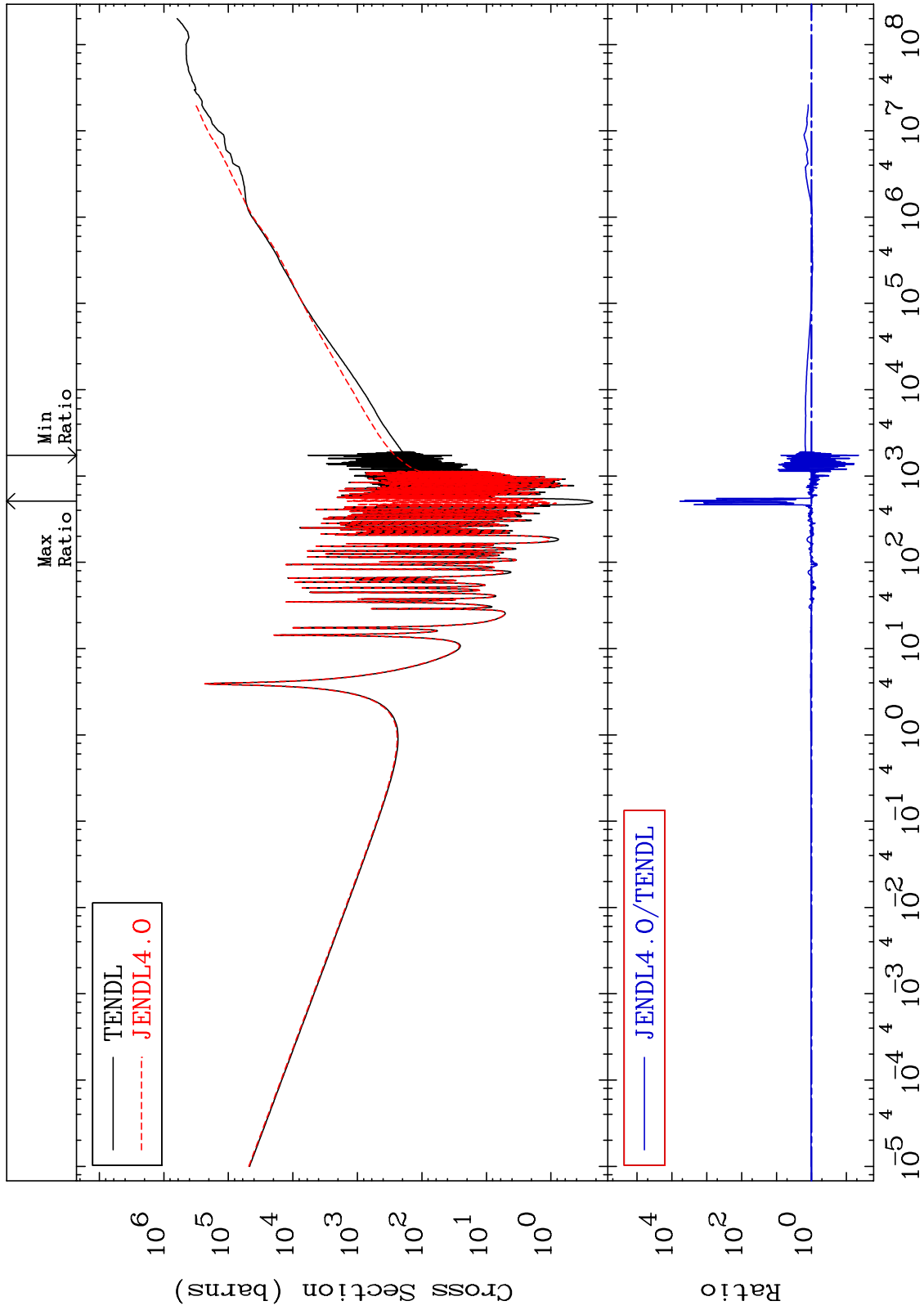
Incident Energy (eV)

69-Tm-169

MAT 6925

Dpa total (eV-barns)
Cross Section

69-Tm-169
-95.49 To 9999. %



56

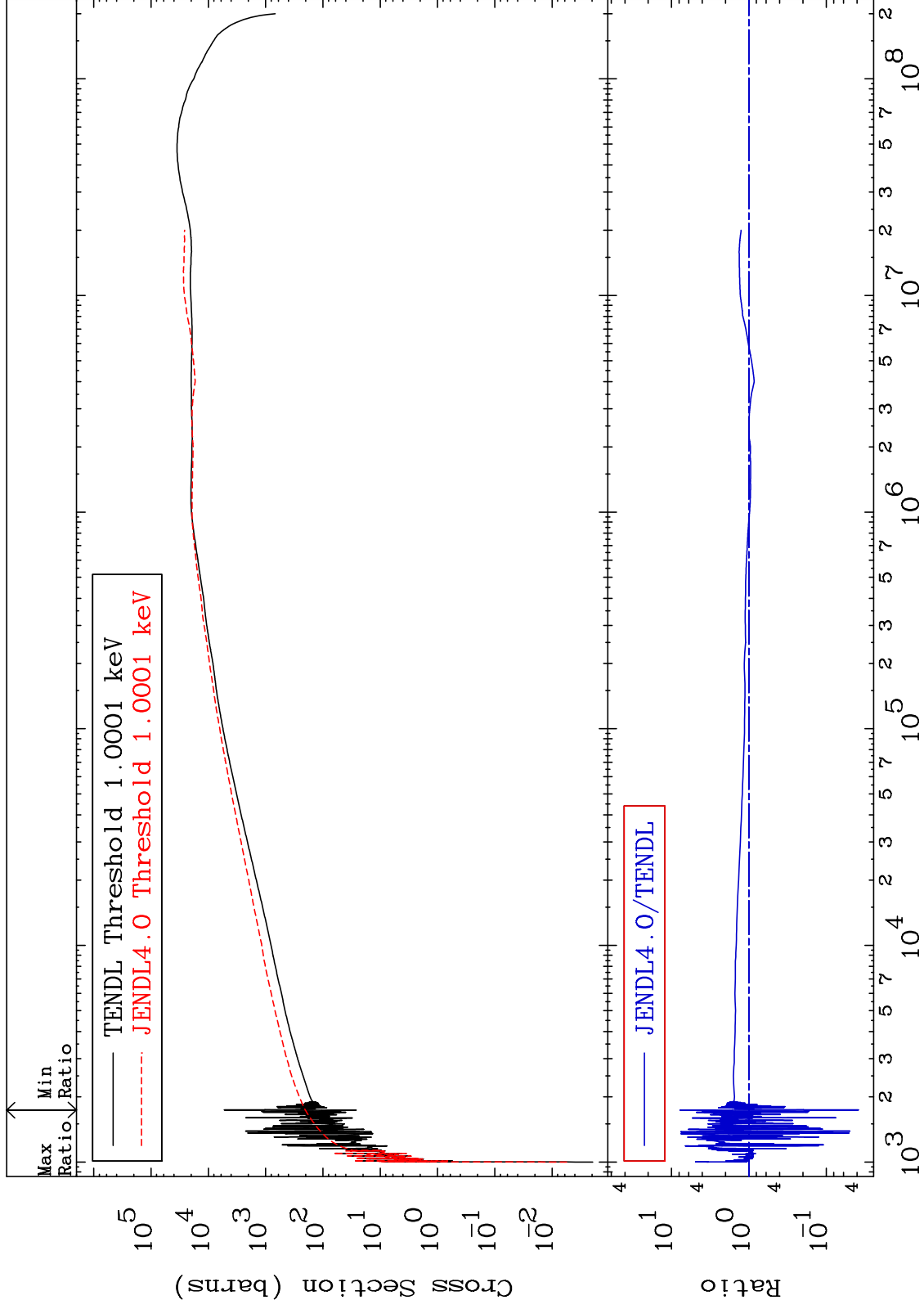
Incident Energy (eV)

69-Tm-169

MAT 6925

Dpa elastic (mt2)
Cross Section

69-Tm-169
-96.16 To 676.1 %



57

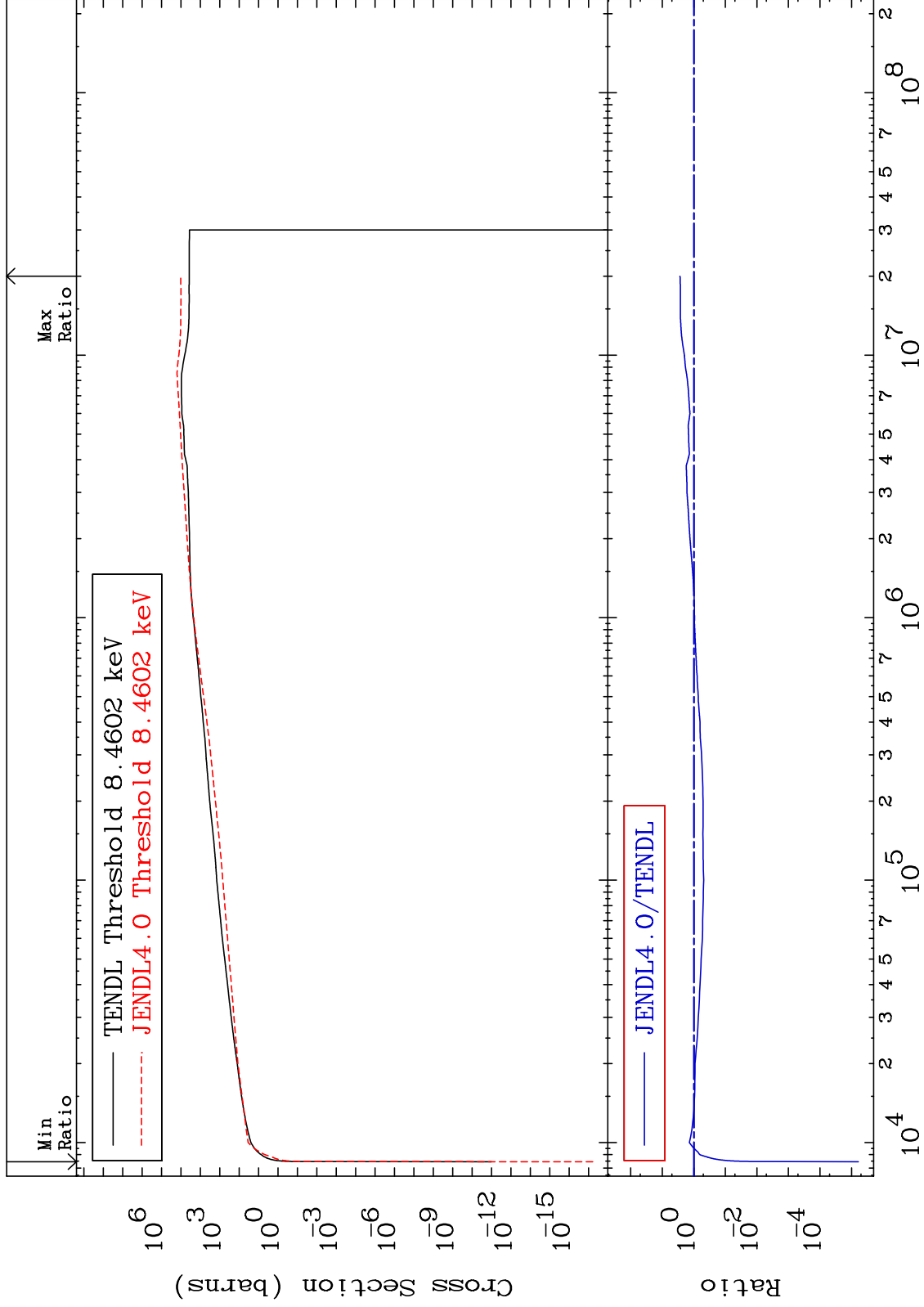
Incident Energy (eV)

69-Tm-169

MAT 6925

Dpa inelastic (mt51-91)
Cross Section

69-Tm-169
-100.0 To 173.9 %



58

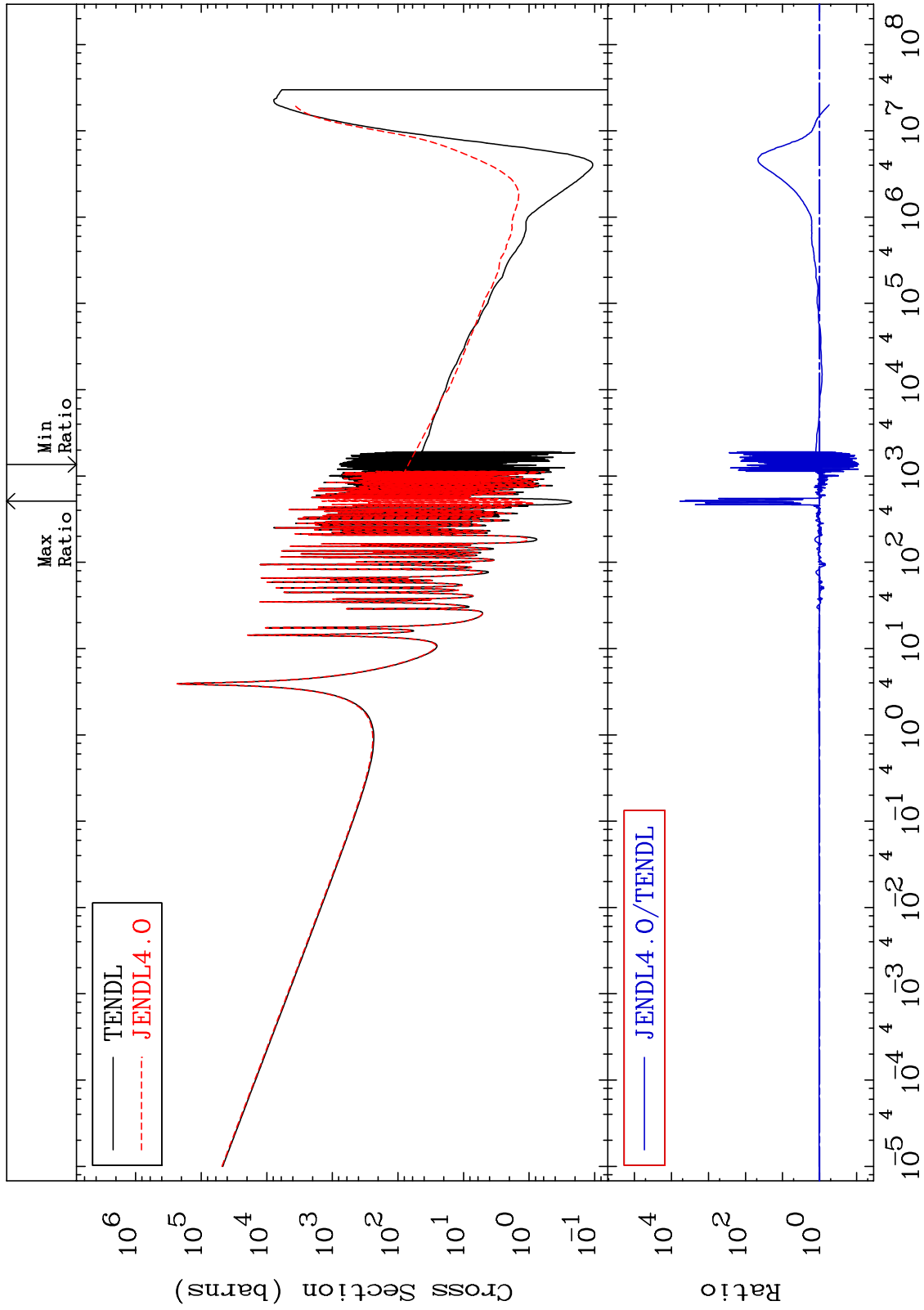
Incident Energy (eV)

69-Tm-169

MAT 6925

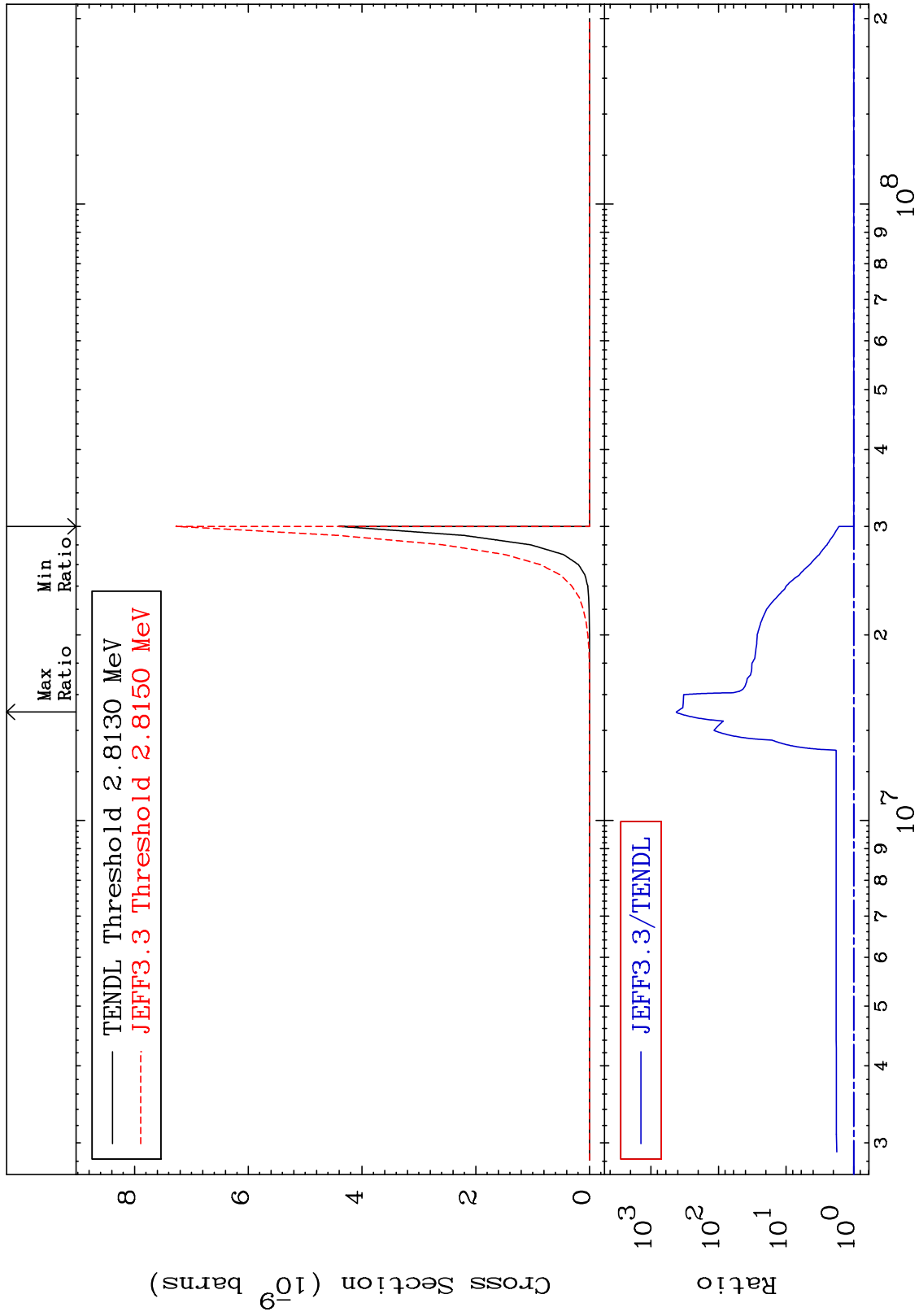
Dpa disappearance (mt102 -120)
Cross Section

69-Tm-169
-91.07 To 9999. %



MAT 6925

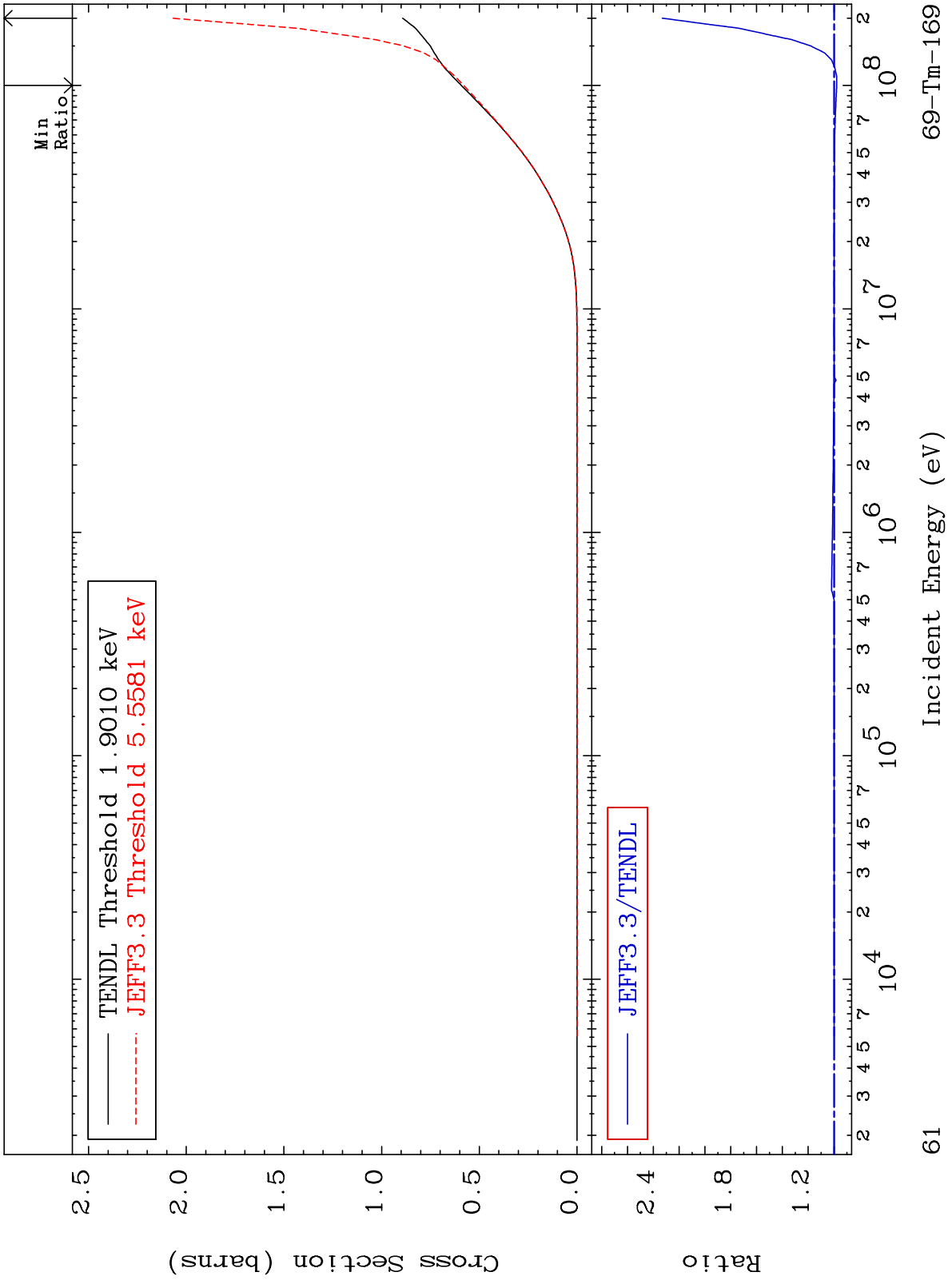
(n,d) α
Cross Section
0.000 To 9999. %
69-Tm-169



MAT 6925

Hydrogen Production
Cross Section

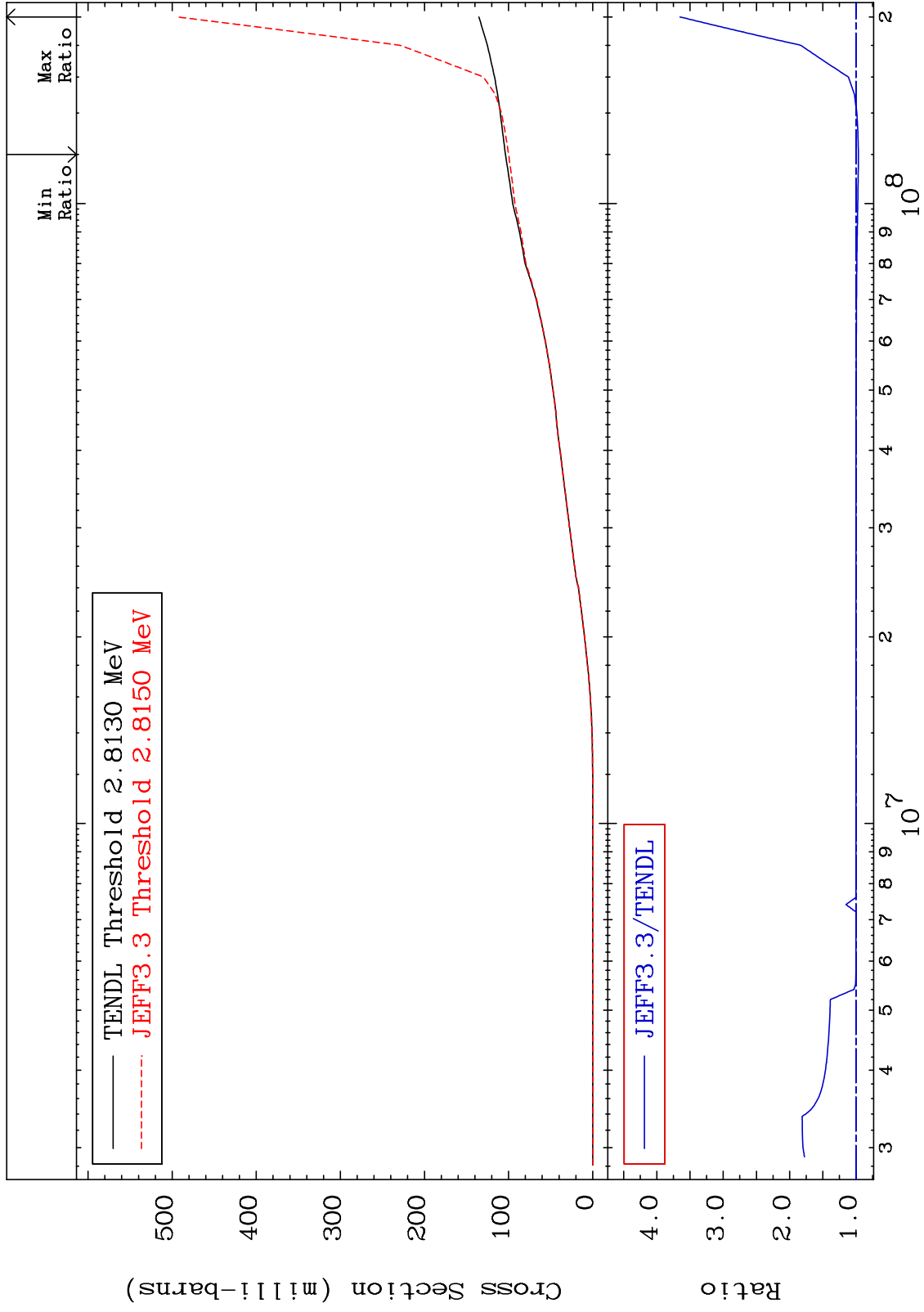
69-Tm-169
-2.089 To 133.0 %



MAT 6925

Deuterium Production
Cross Section

69-Tm-169
-3.643 To 265.1 %



62

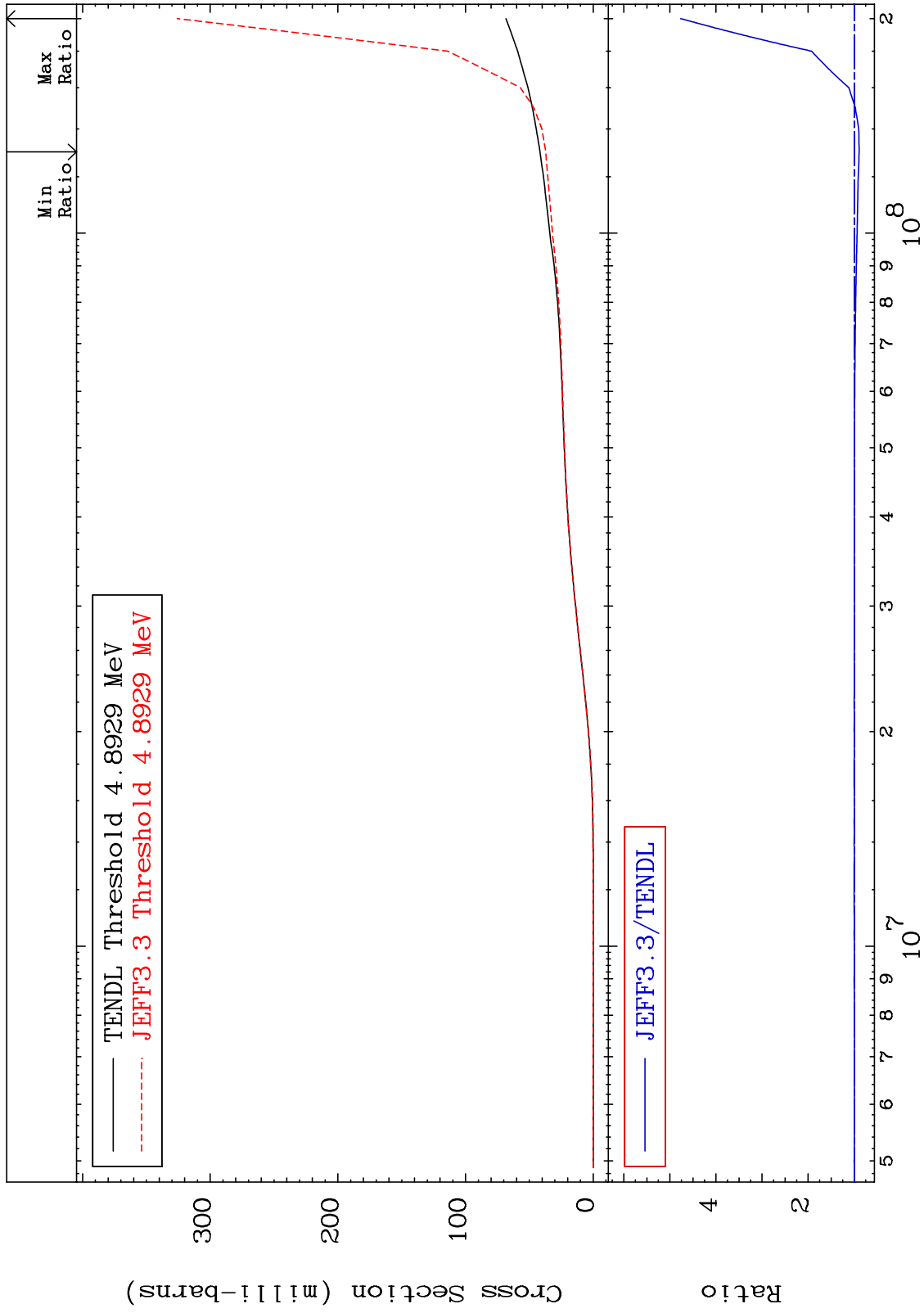
Incident Energy (eV)

69-Tm-169

MAT 6925

Tritium Production
Cross Section

69-Tm-169
-10.73 To 376.7 %



63

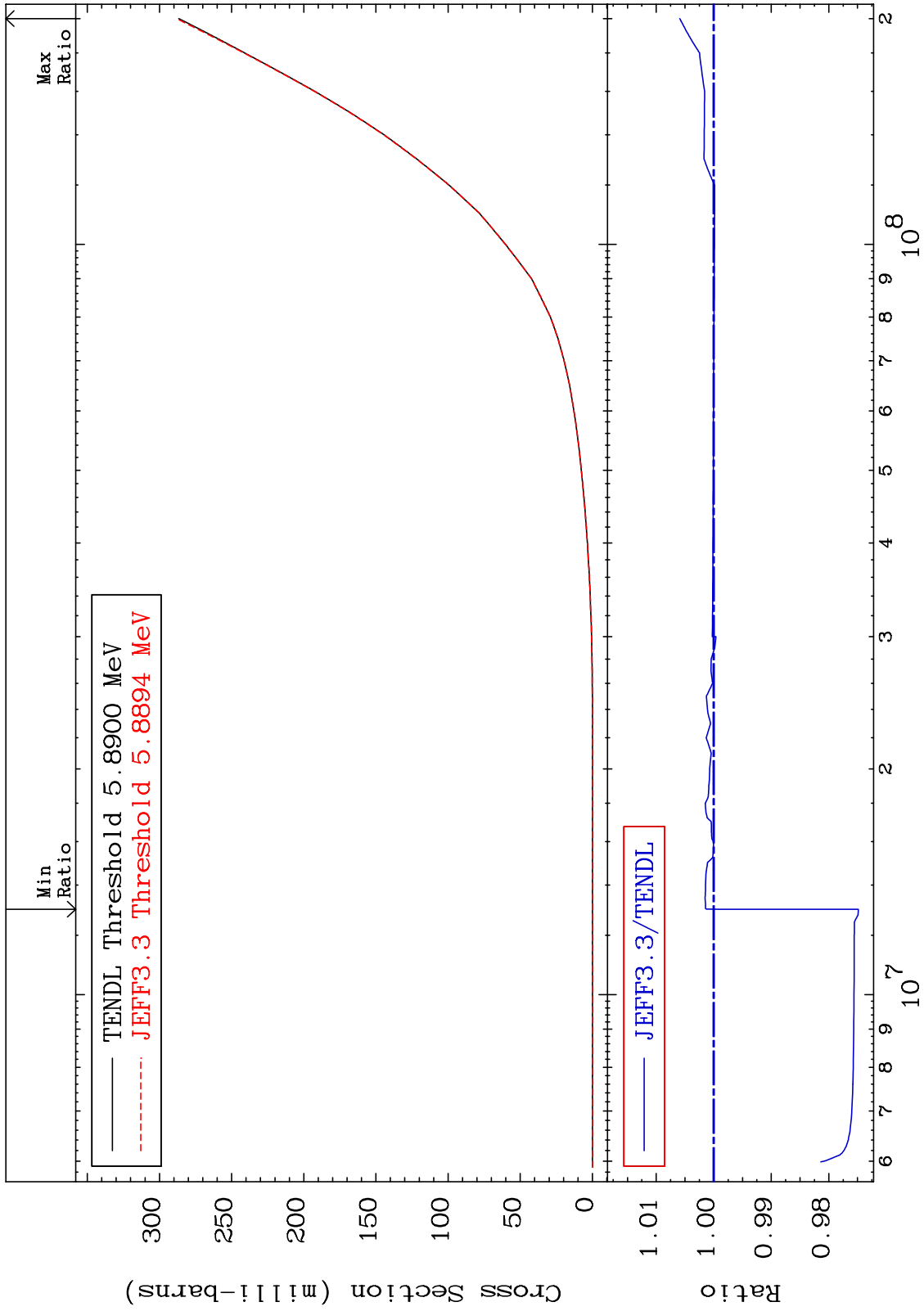
Incident Energy (eV)

69-Tm-169

MAT 6925

He-3 Production
Cross Section

69-Tm-169
-2.514 To 0.590 %



64

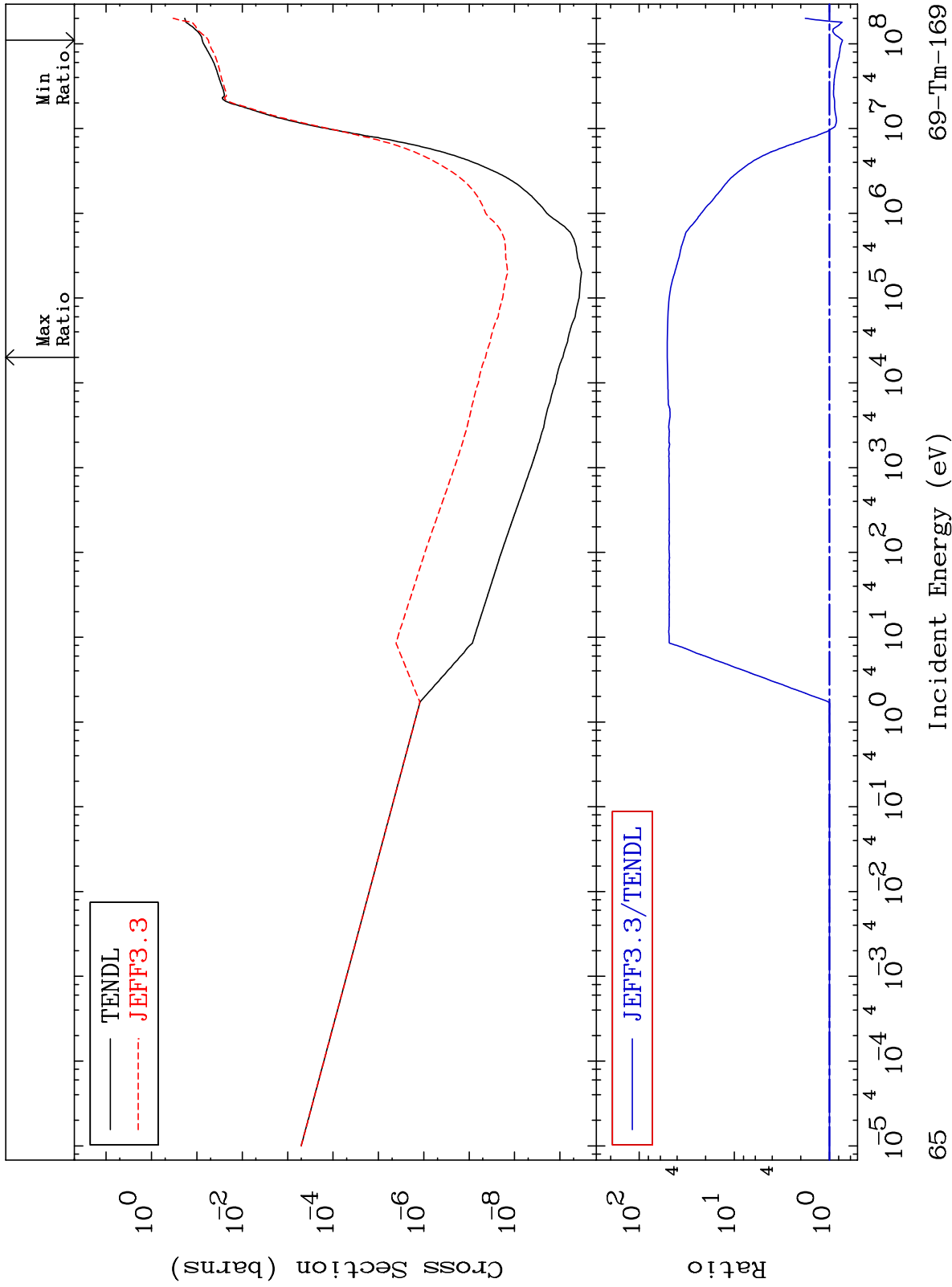
Incident Energy (eV)

69-Tm-169

MAT 6925

He-4 Production
Cross Section

69-Tm-169
-27.32 To 4965. %



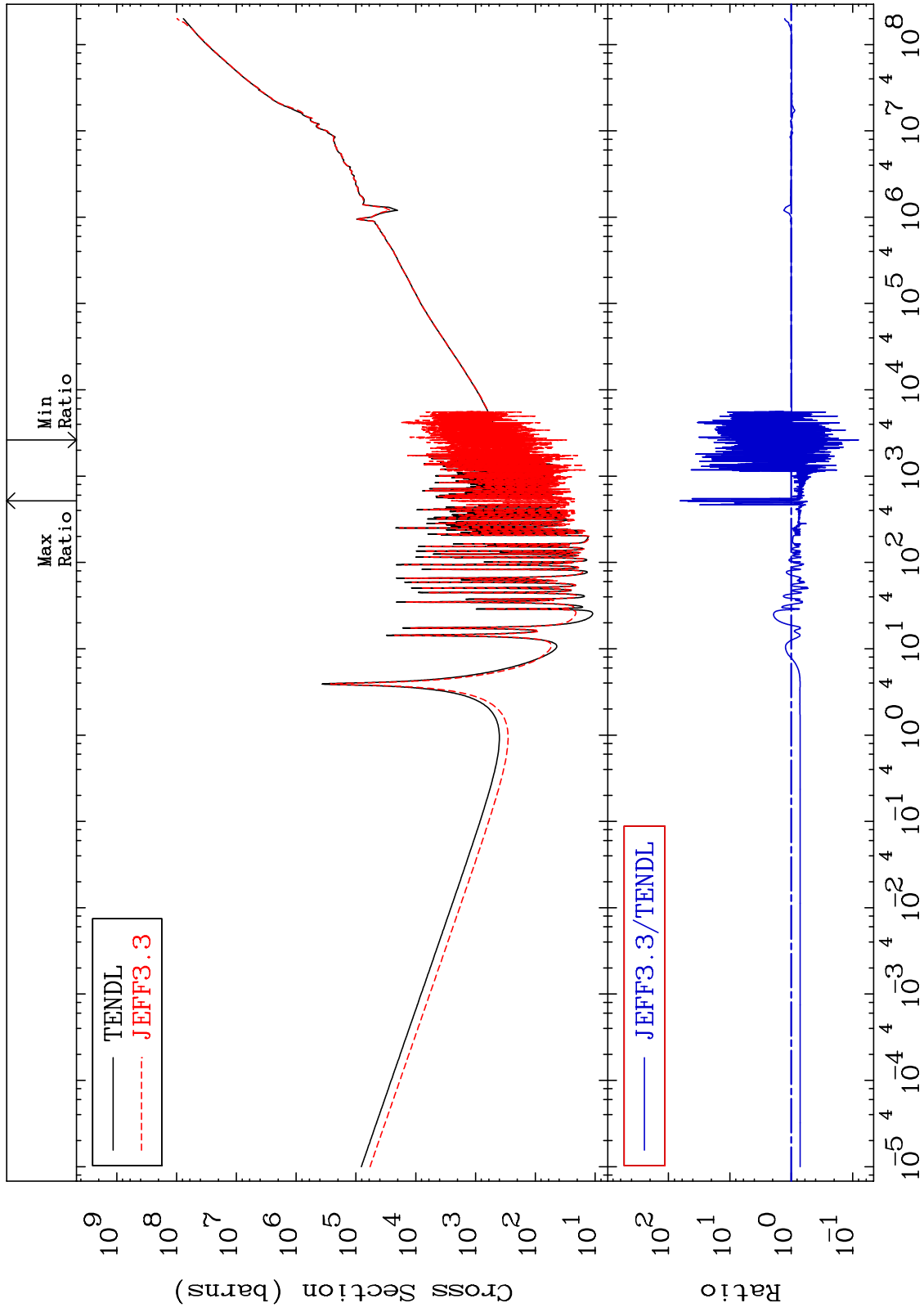
65

69-Tm-169

MAT 6925

Kerma total (eV-barns)
Cross Section

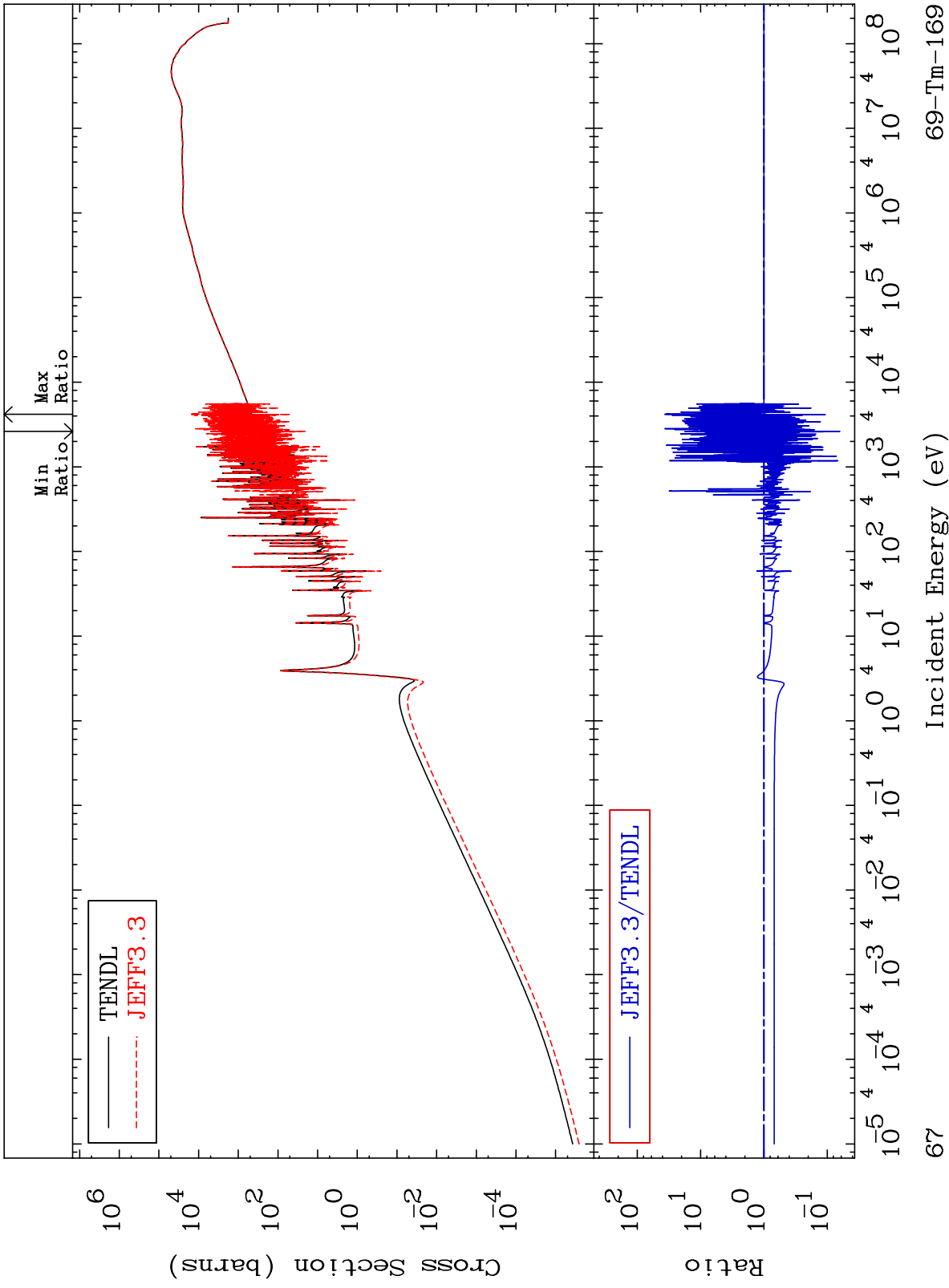
69-Tm-169
-91.96 To 6378. %



MAT 6925

Kerma elastic
Cross Section

69-Tm-169
-93.65 To 3587. %



67

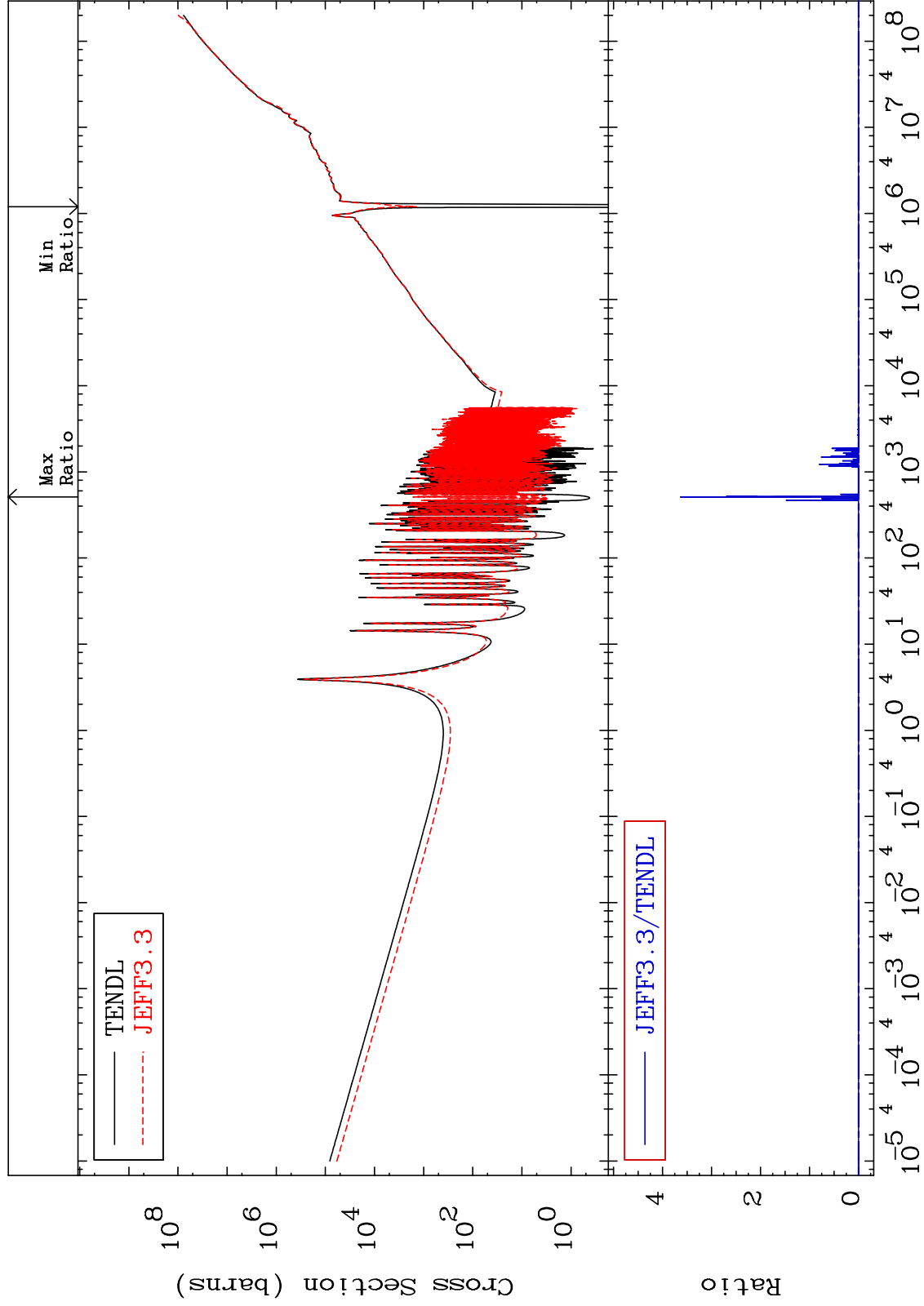
69-Tm-169

MAT 6925

Kerma non-elastic (all but mt2)
Cross Section

69-Tm-169

-127.6 To 9999. %



68

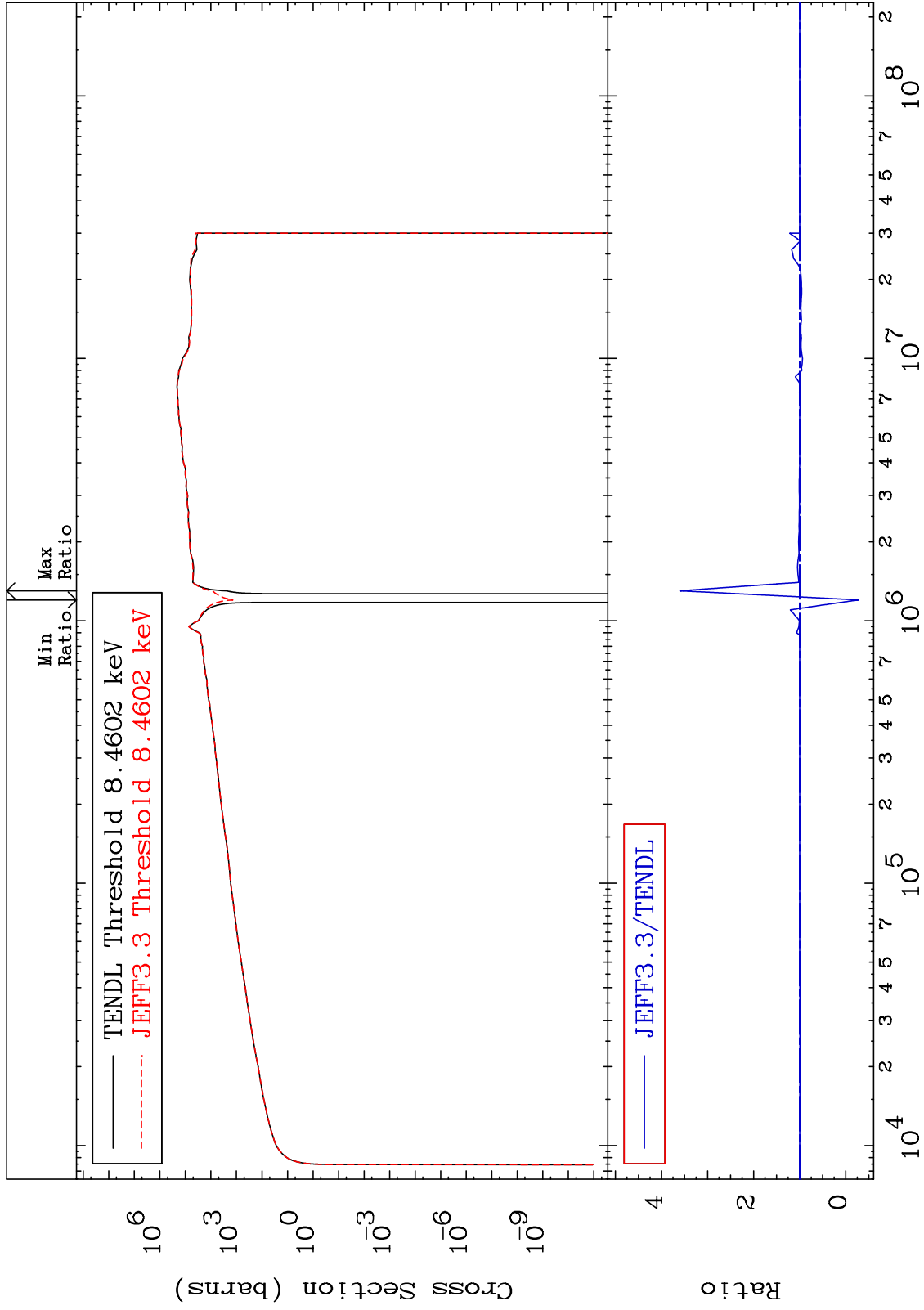
Incident Energy (eV)

69-Tm-169

MAT 6925

Kerma inelastic (mt51-91)
Cross Section

69-Tm-169
-127.6 To 259.8 %



69

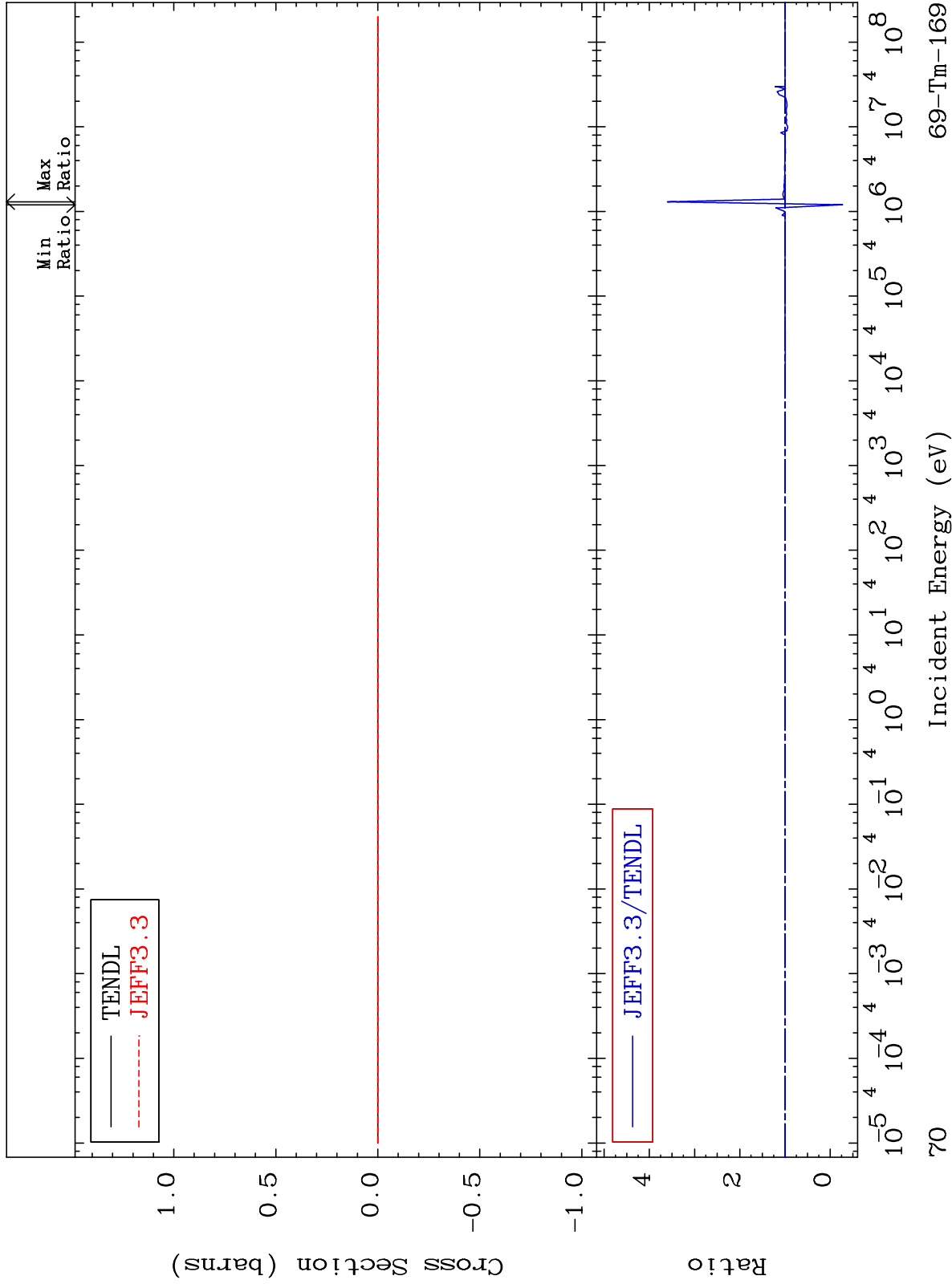
Incident Energy (eV)

69-Tm-169

MAT 6925

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

69-Tm-169
-127.6 To 259.8 %



69-Tm-169

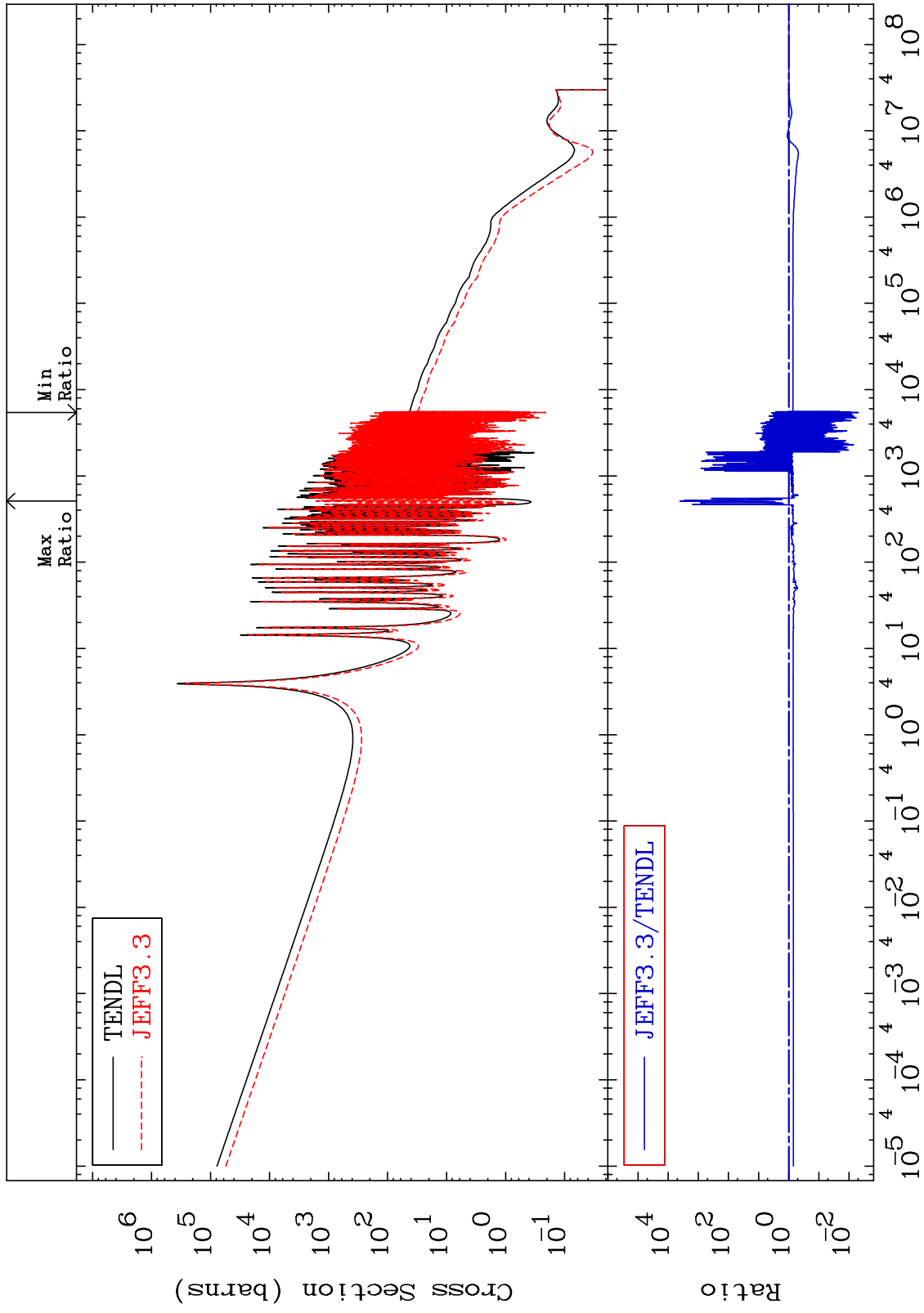
Incident Energy (eV)

70

MAT 6925

Kerma capture (mt102)
Cross Section

69-Tm-169
-99.51 To 9999. %



71

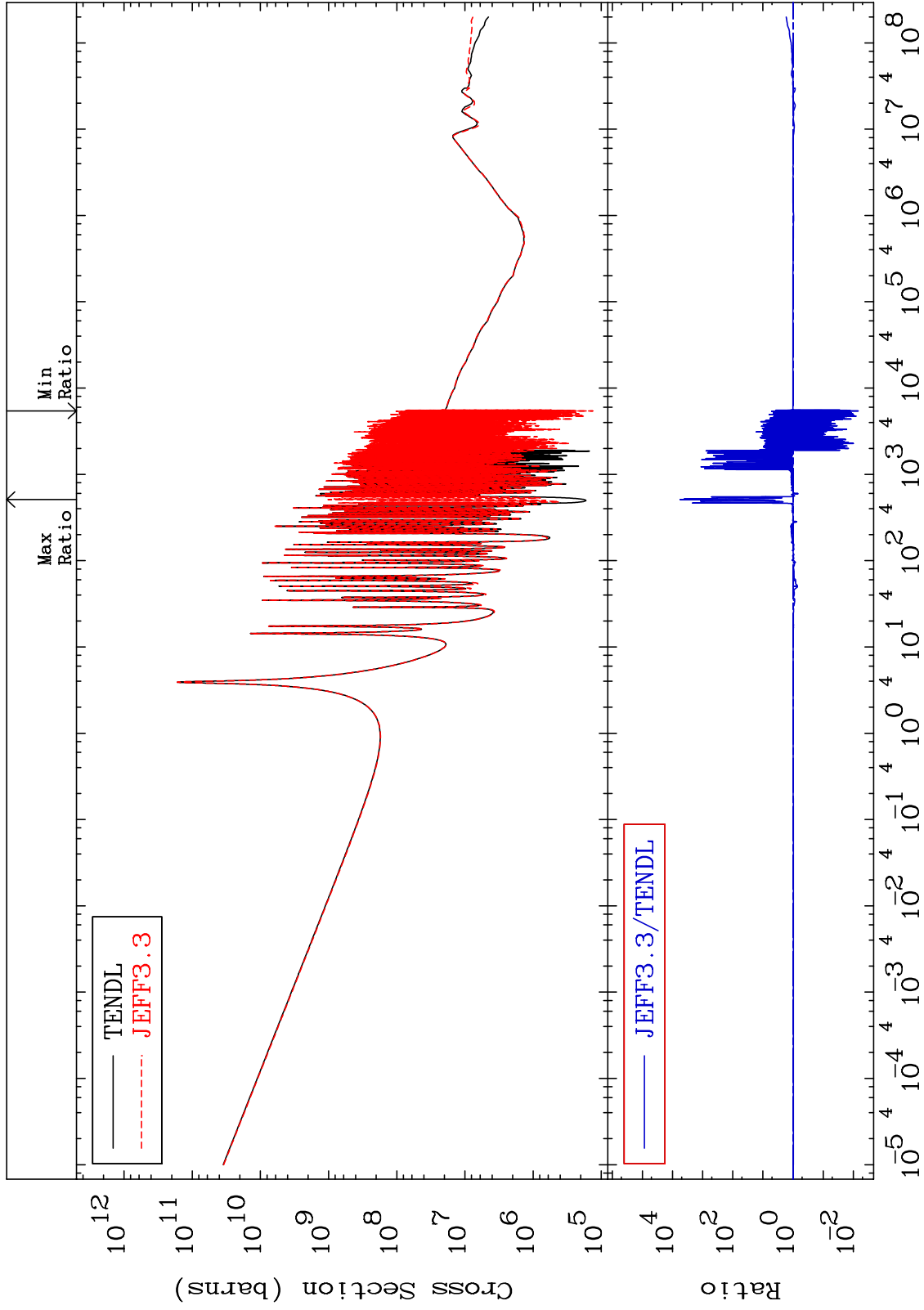
Incident Energy (eV)

69-Tm-169

MAT 6925

Total photon (eV-barns)
Cross Section

69-Tm-169
-99.32 To 9999. %



72

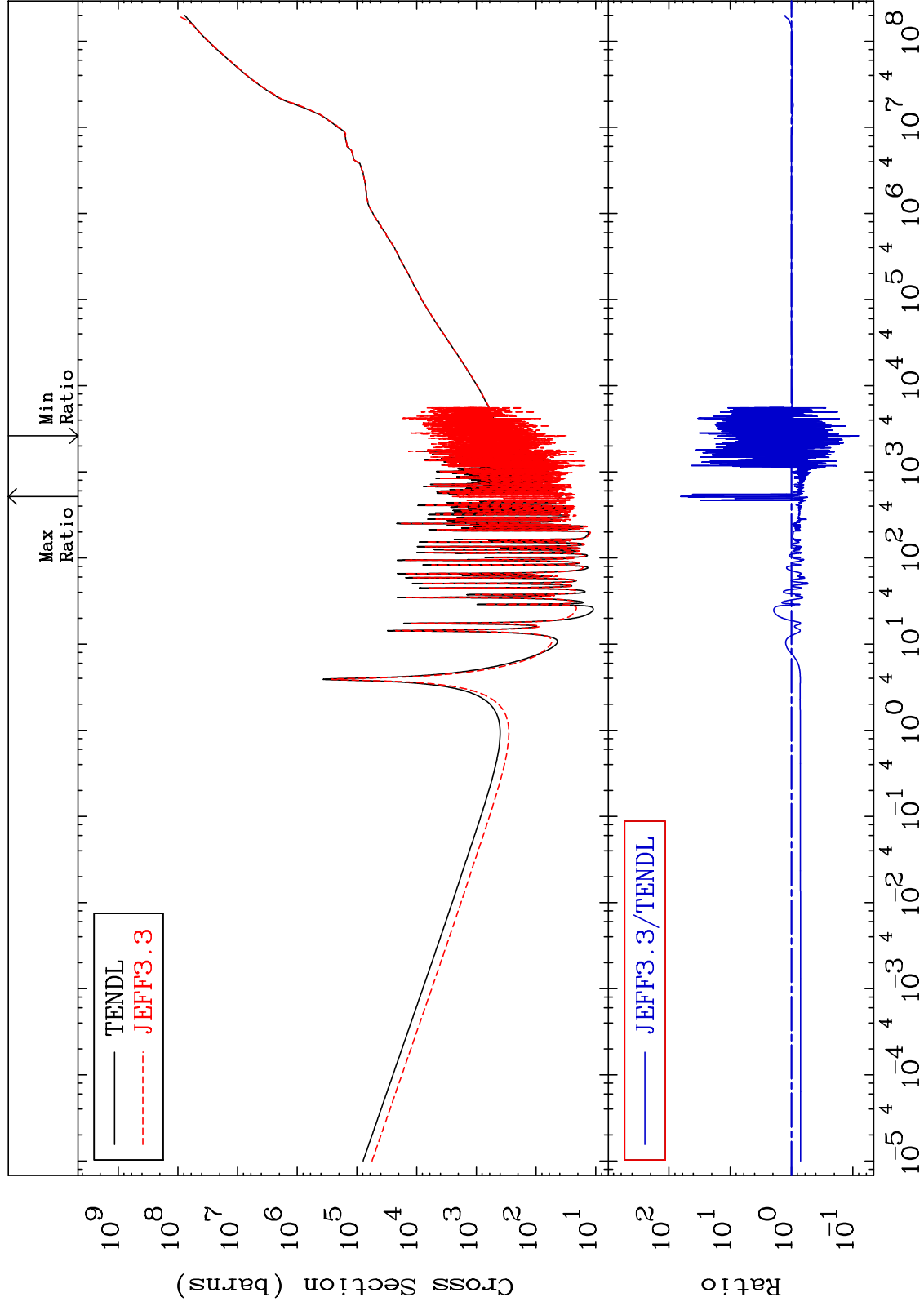
Incident Energy (eV)

69-Tm-169

MAT 6925

Total kinematic kerma (high limit)
Cross Section

69-Tm-169
-91.96 To 6378. %



73

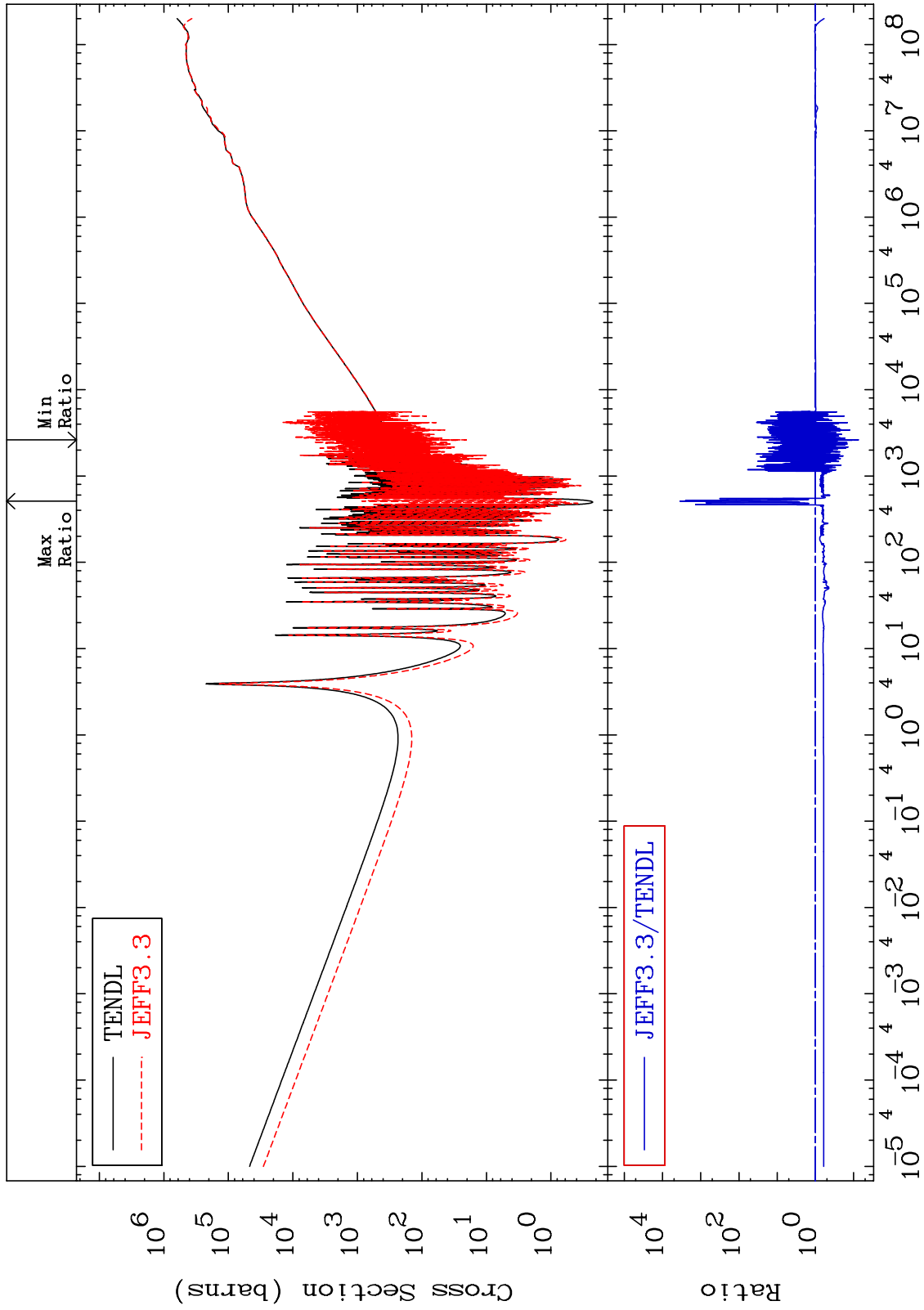
Incident Energy (eV)

69-Tm-169

MAT 6925

Dpa total (eV-barns)
Cross Section

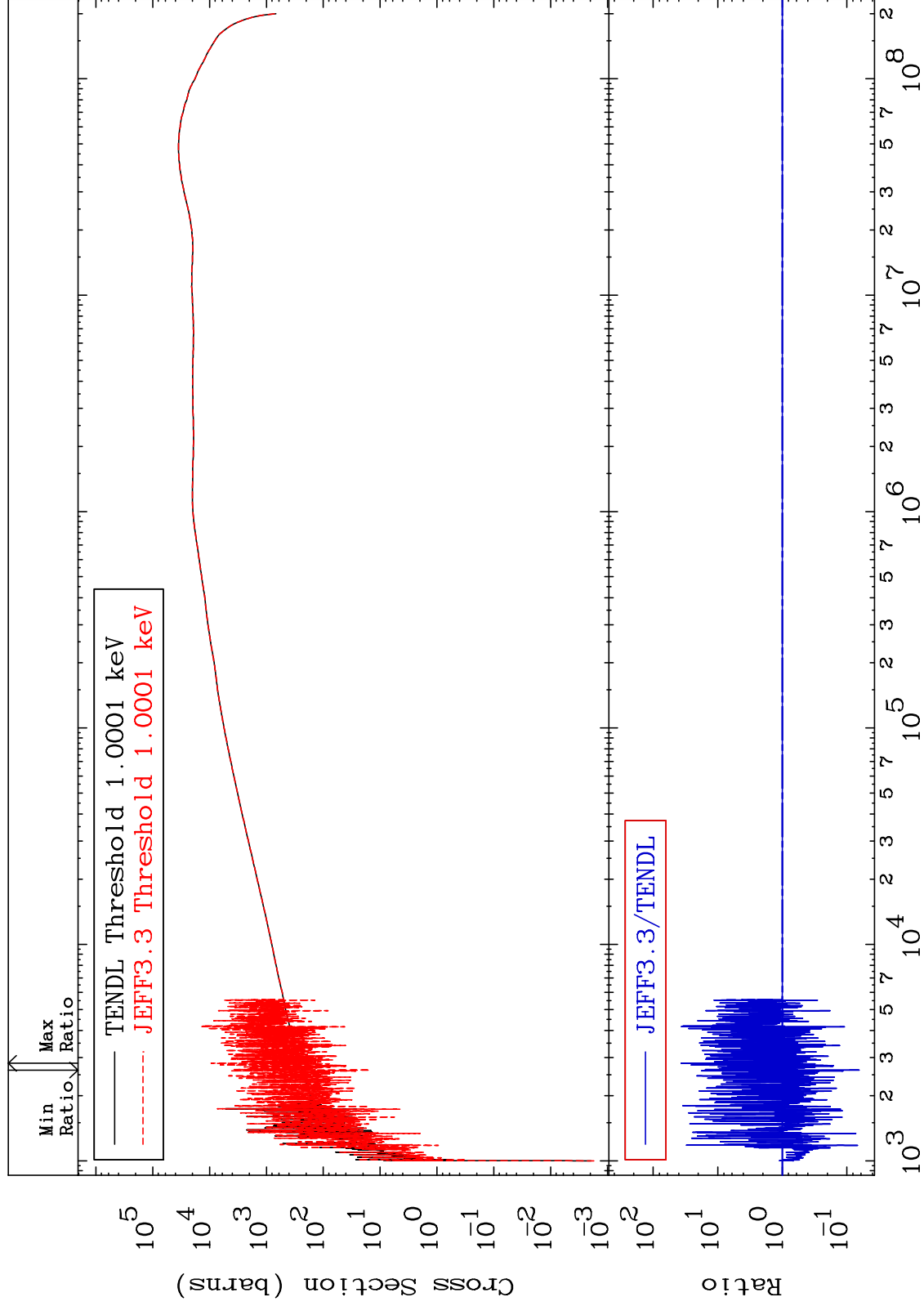
69-Tm-169
-92.49 To 9999. %



MAT 6925

Dpa elastic (mt2)
Cross Section

69-Tm-169
-93.60 To 3601. %



75

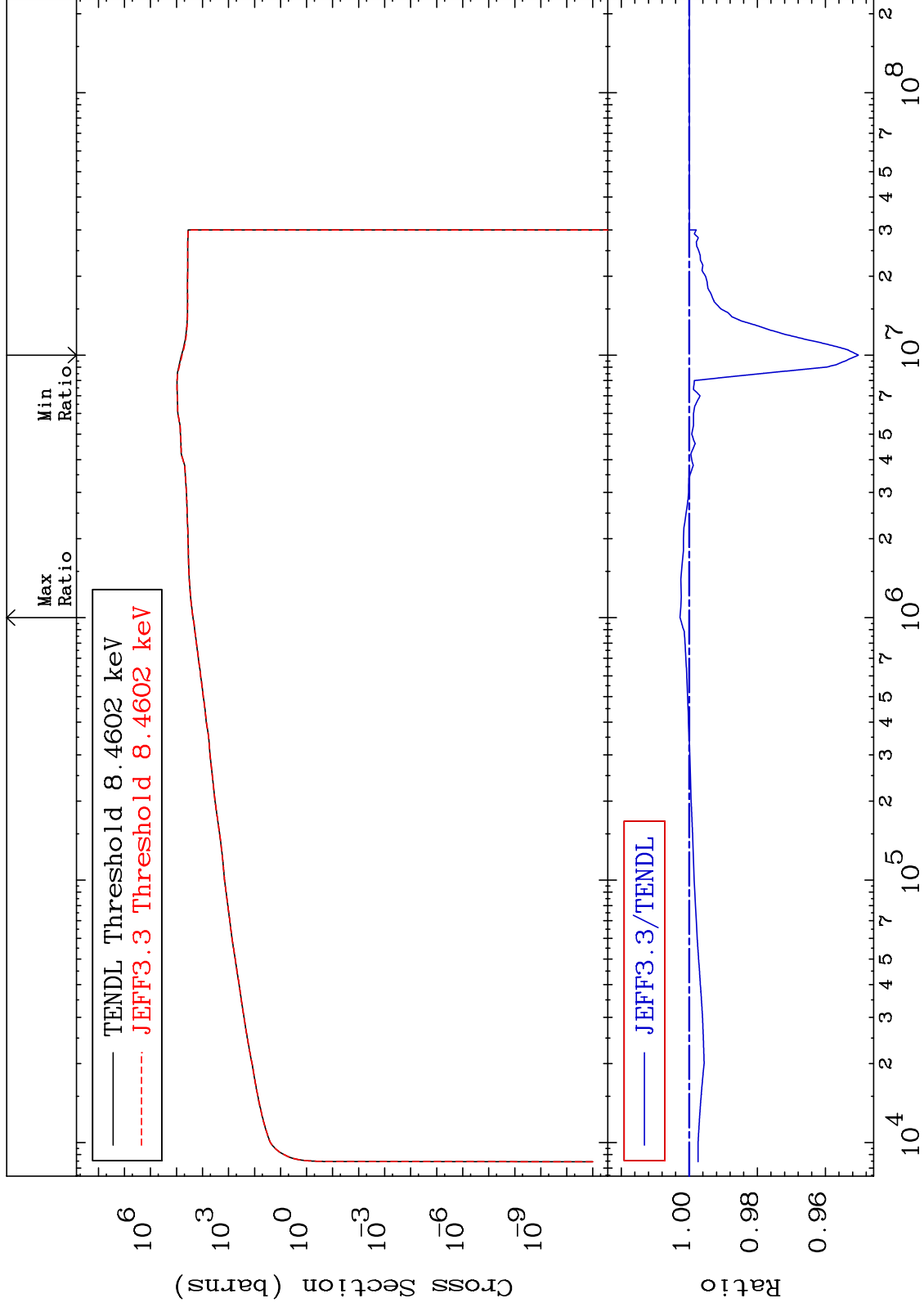
Incident Energy (eV)

69-Tm-169

MAT 6925

Dpa inelastic (mt51-91)
Cross Section

69-Tm-169
-4.970 To 0.272 %



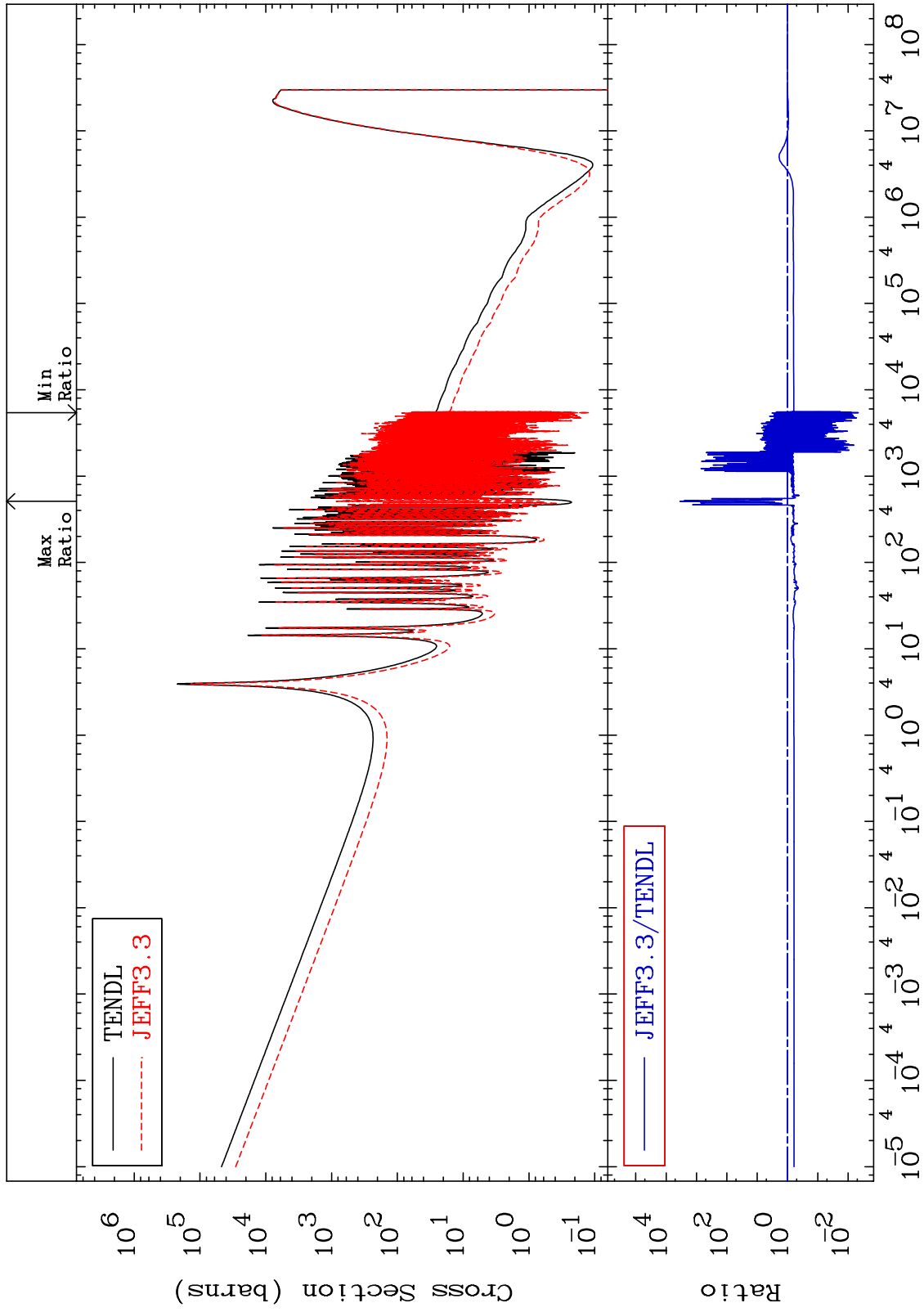
76

69-Tm-169

MAT 6925

Dpa disappearance (mt102 -120)
Cross Section

69-Tm-169
-99.54 To 9999. %



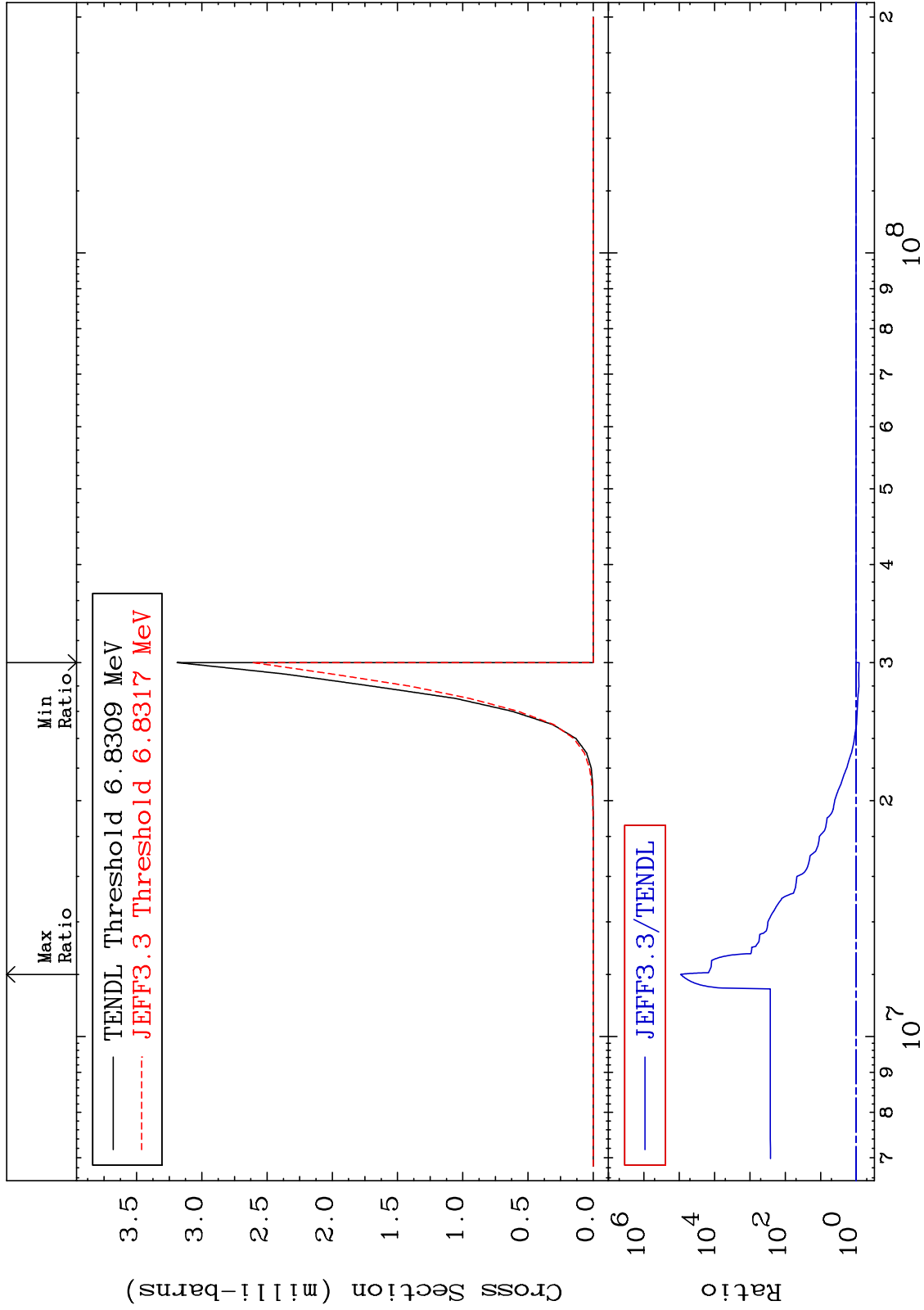
77

Incident Energy (eV)

69-Tm-169

MAT 6925

(n,2n) α :67-Ho-164g 69-Tm-169
Radionuclide Production Cross Section -18.15 To 9999. %



78

Incident Energy (eV)

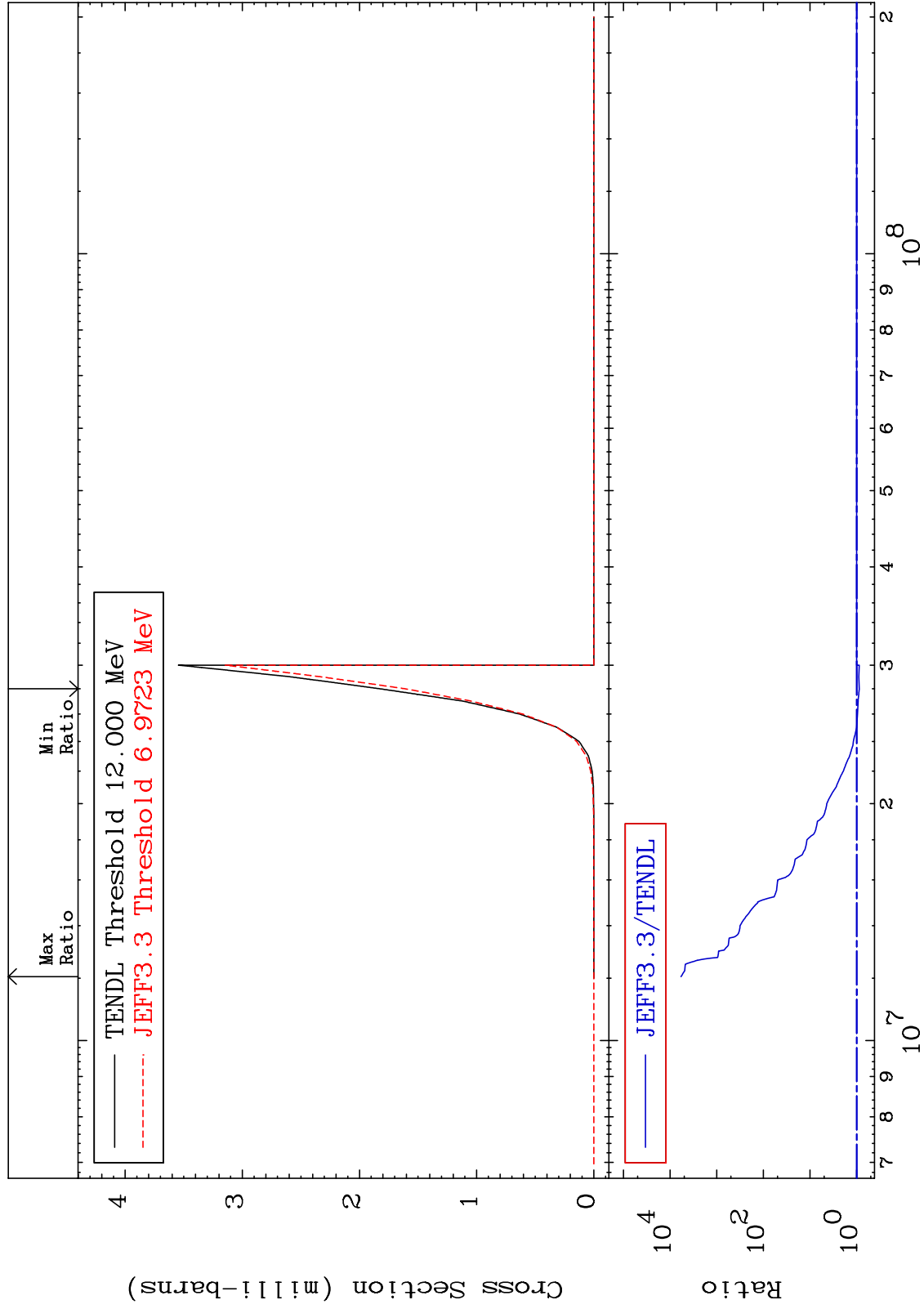
69-Tm-169

MAT 6925

(n,2n) α : 67-Ho-164m3

69-Tm-169

Radionuclide Production Cross Section -11.84 To 9999. %



79

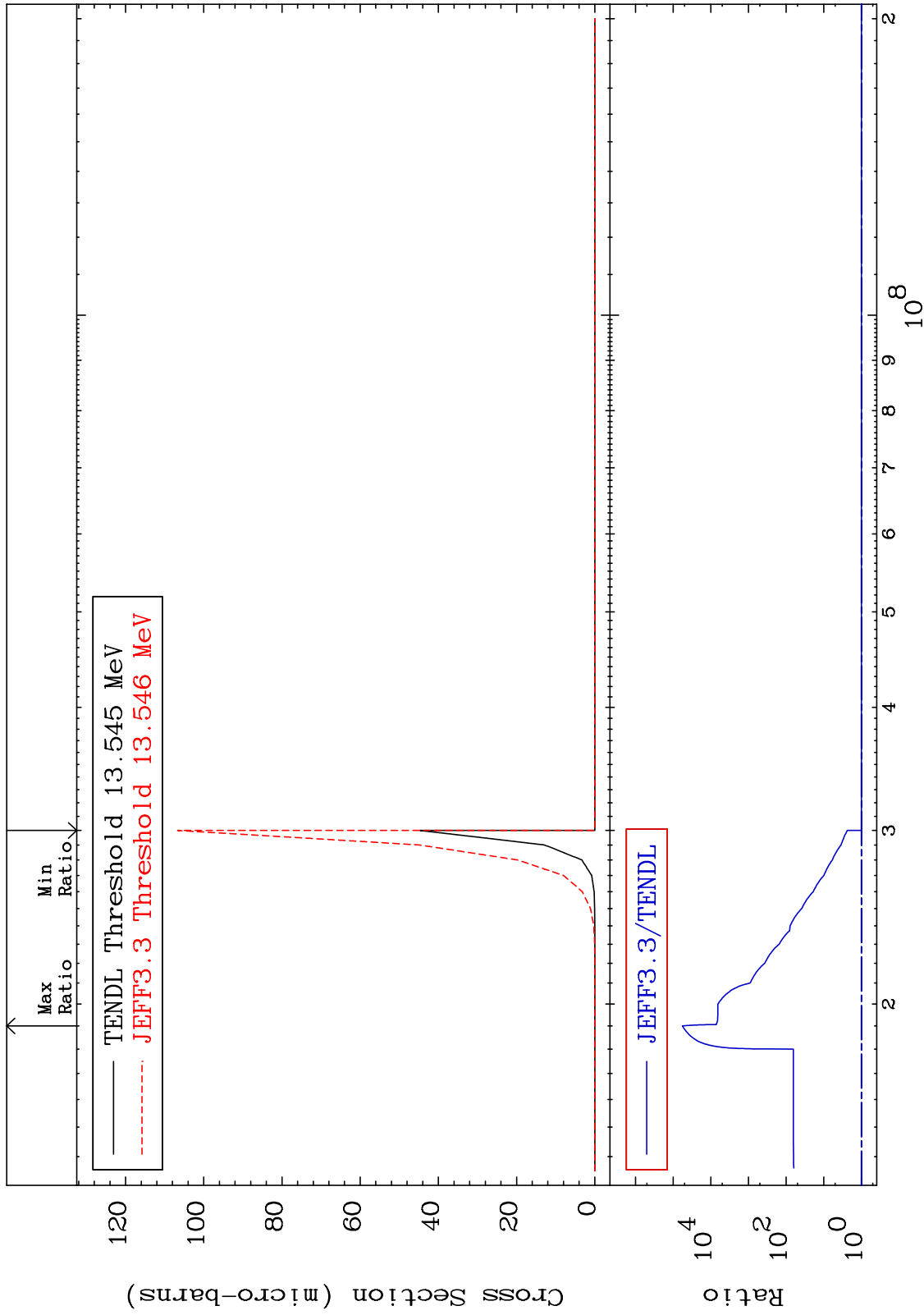
Incident Energy (eV)

69-Tm-169

MAT 6925

(n,3n) α :67-Ho-163g
Radionuclide Production Cross Section 0.000 To 9999. %

69-Tm-169



80

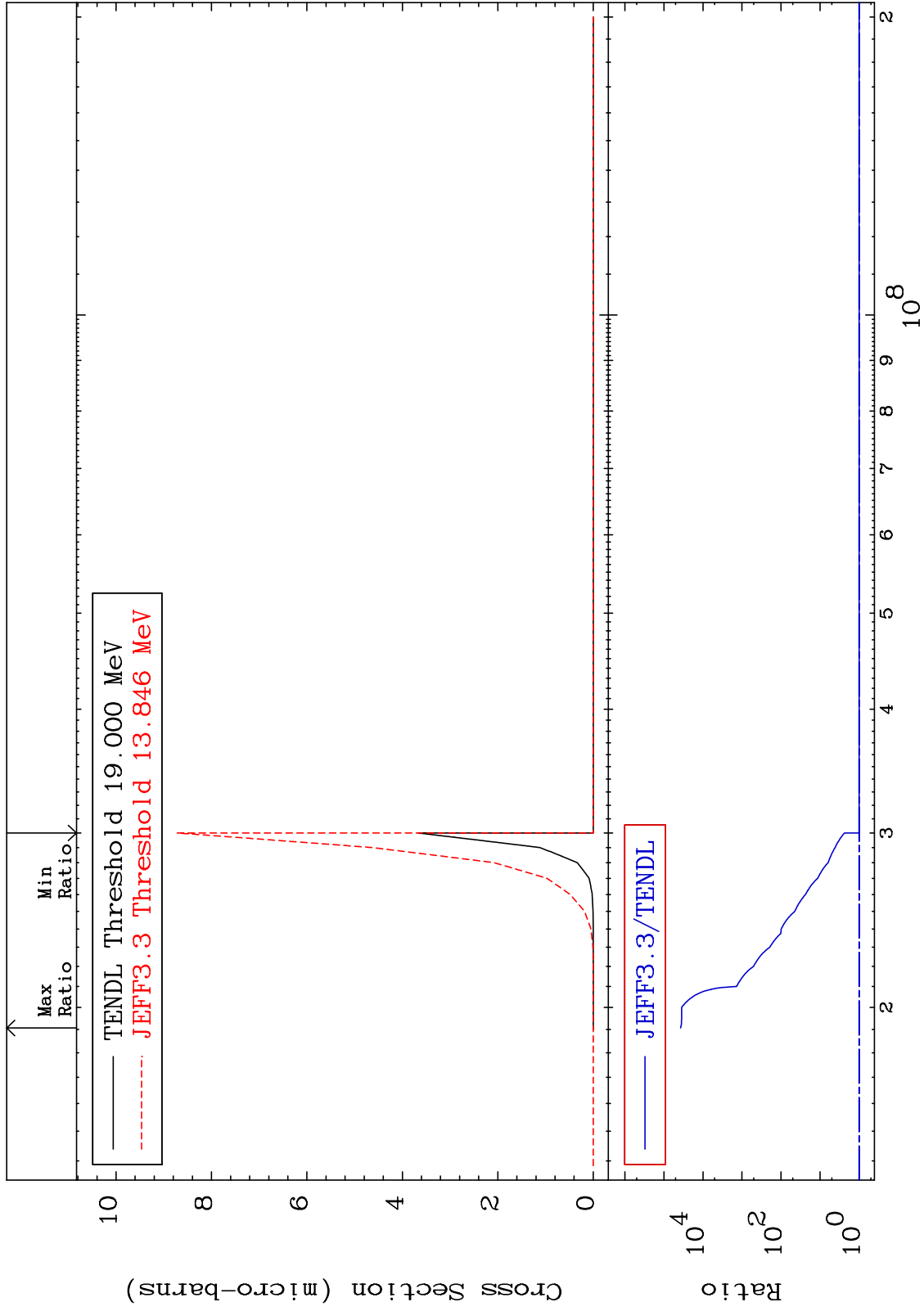
69-Tm-169

MAT 6925

(n,3n) α : 67-Ho-163m3

69-Tm-169

Radionuclide Production Cross Section 0.000 To 9999. %

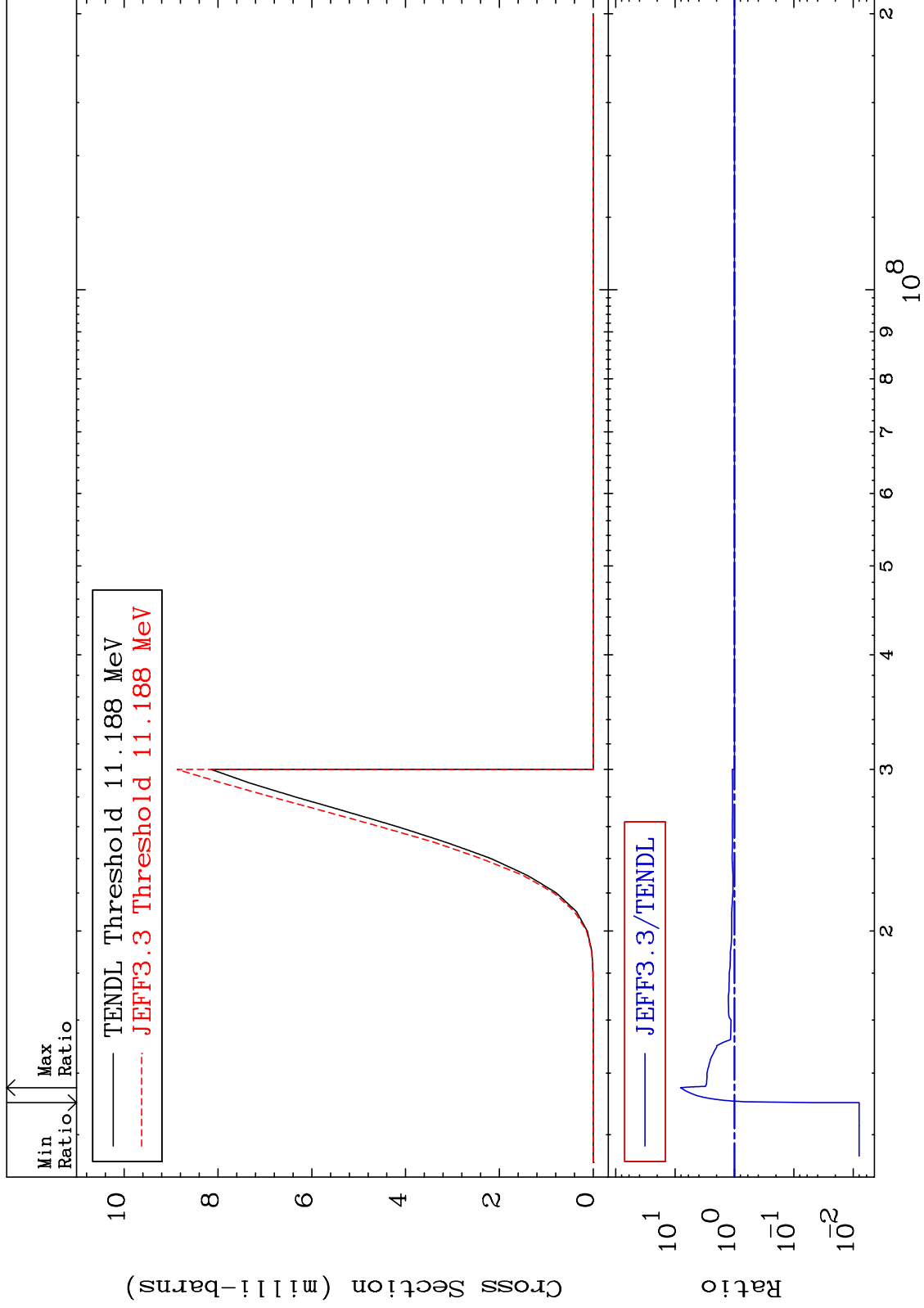


MAT 6925

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

69-Tm-169

Radionuclide Production Cross Section -99.20 To 709.1 %

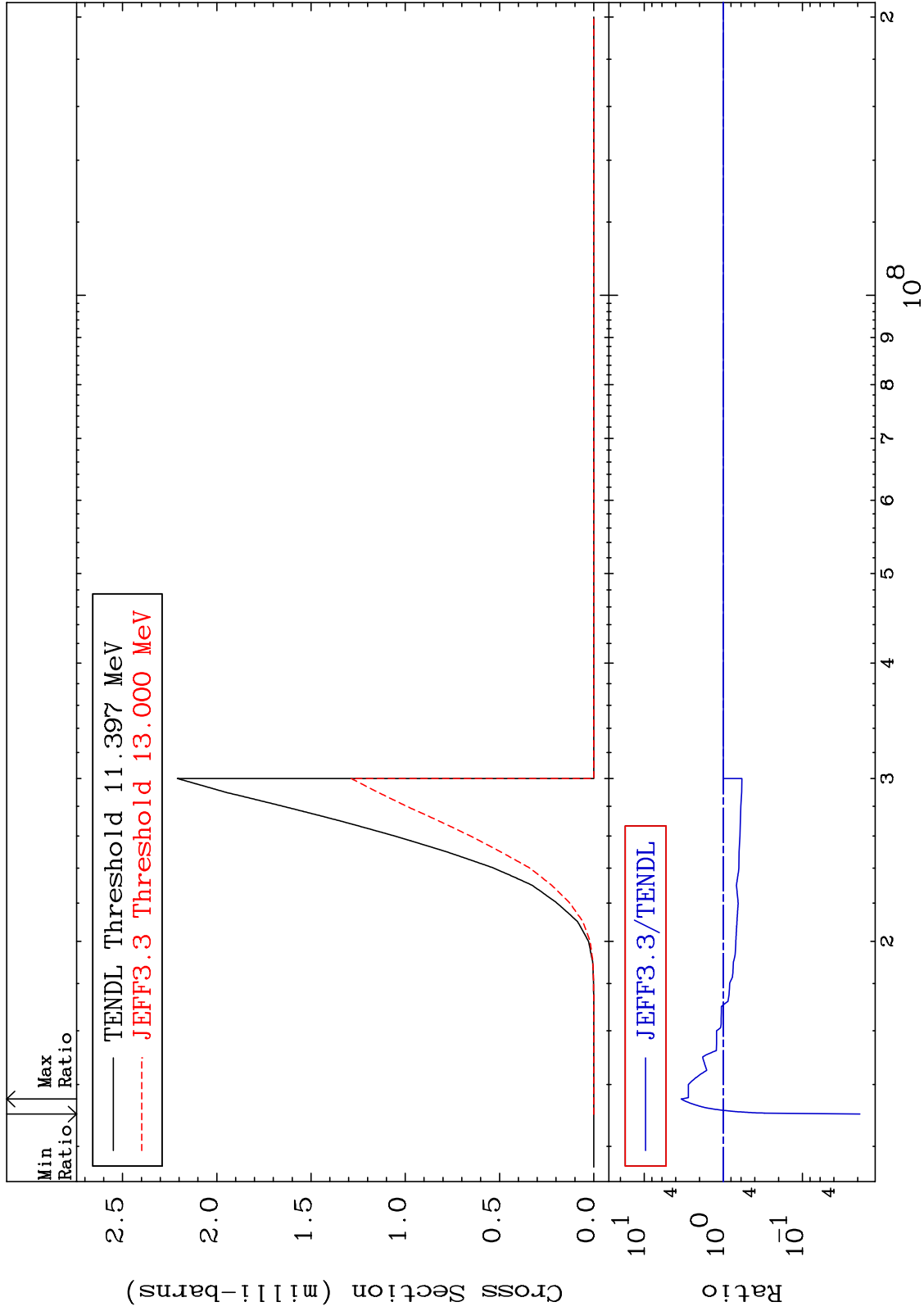


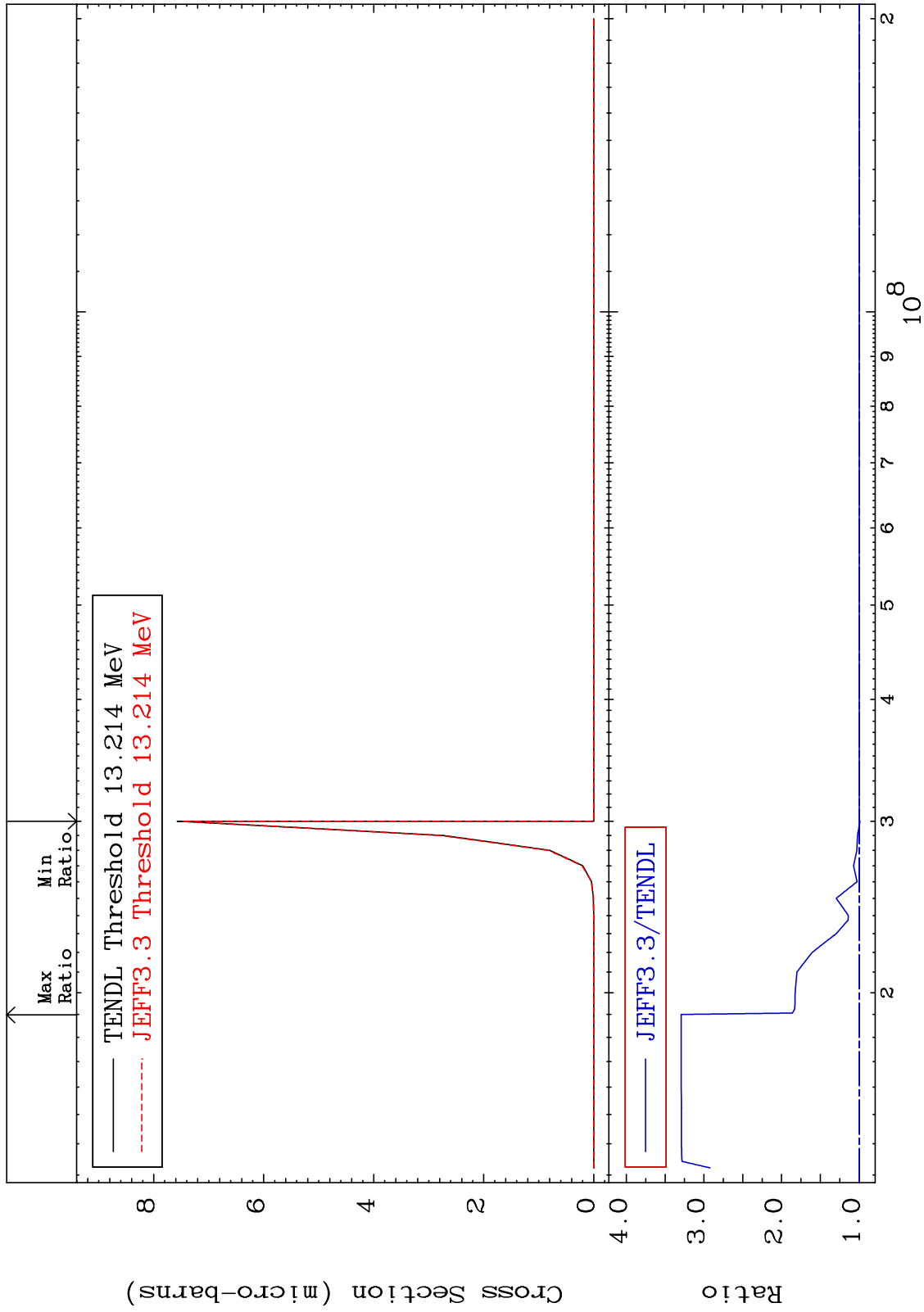
MAT 6925

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

69-Tm-169

Radionuclide Production Cross Section -98.12 To 241.3 %



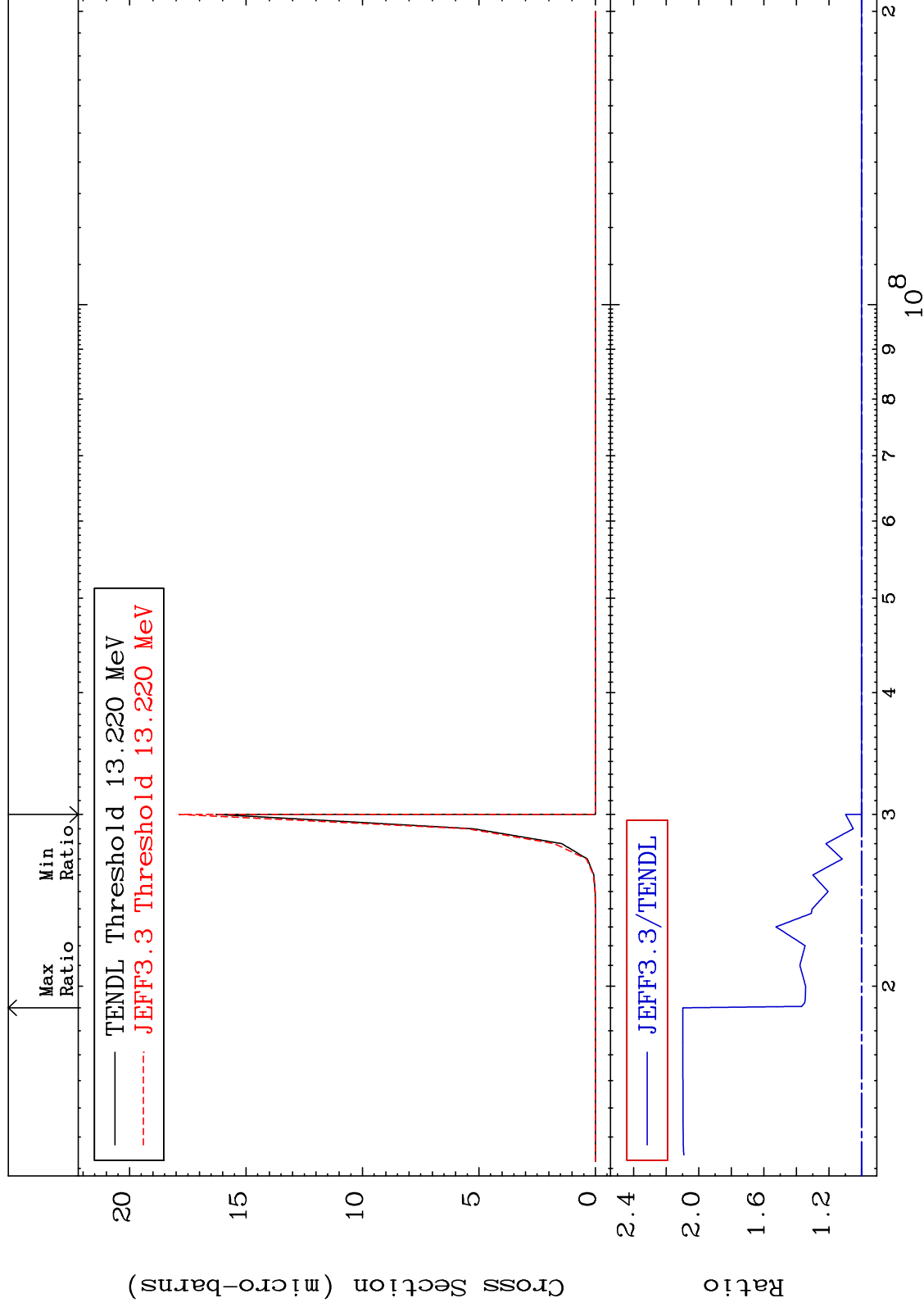


MAT 6925

(n, n') He-3:67-Ho-166m1

69-Tm-169

Radionuclide Production Cross Section 0.000 To 109.8 %



85

Incident Energy (eV)

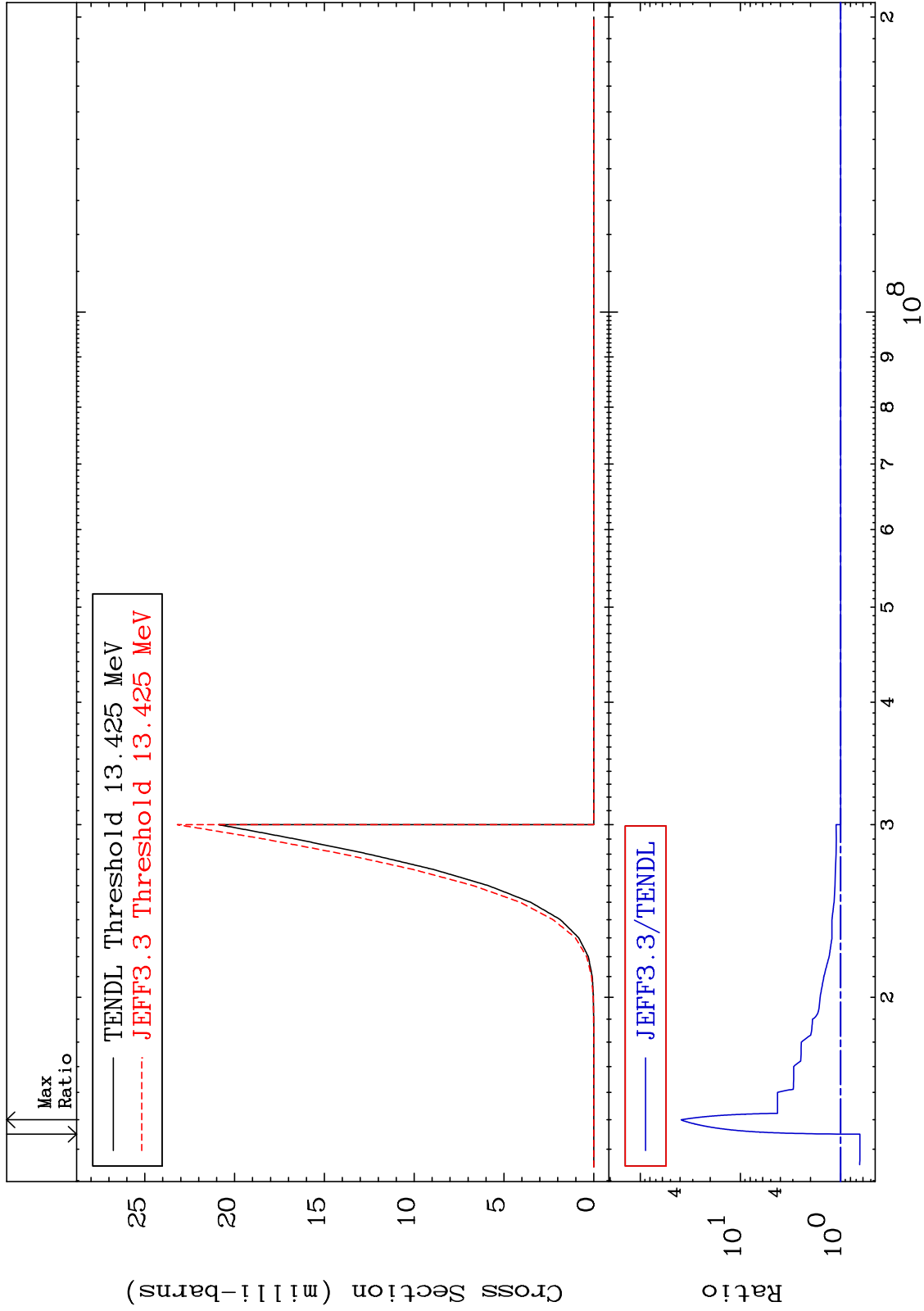
69-Tm-169

MAT 6925

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

69-Tm-169

Radionuclide Production Cross Section -35.72 To 3800. %

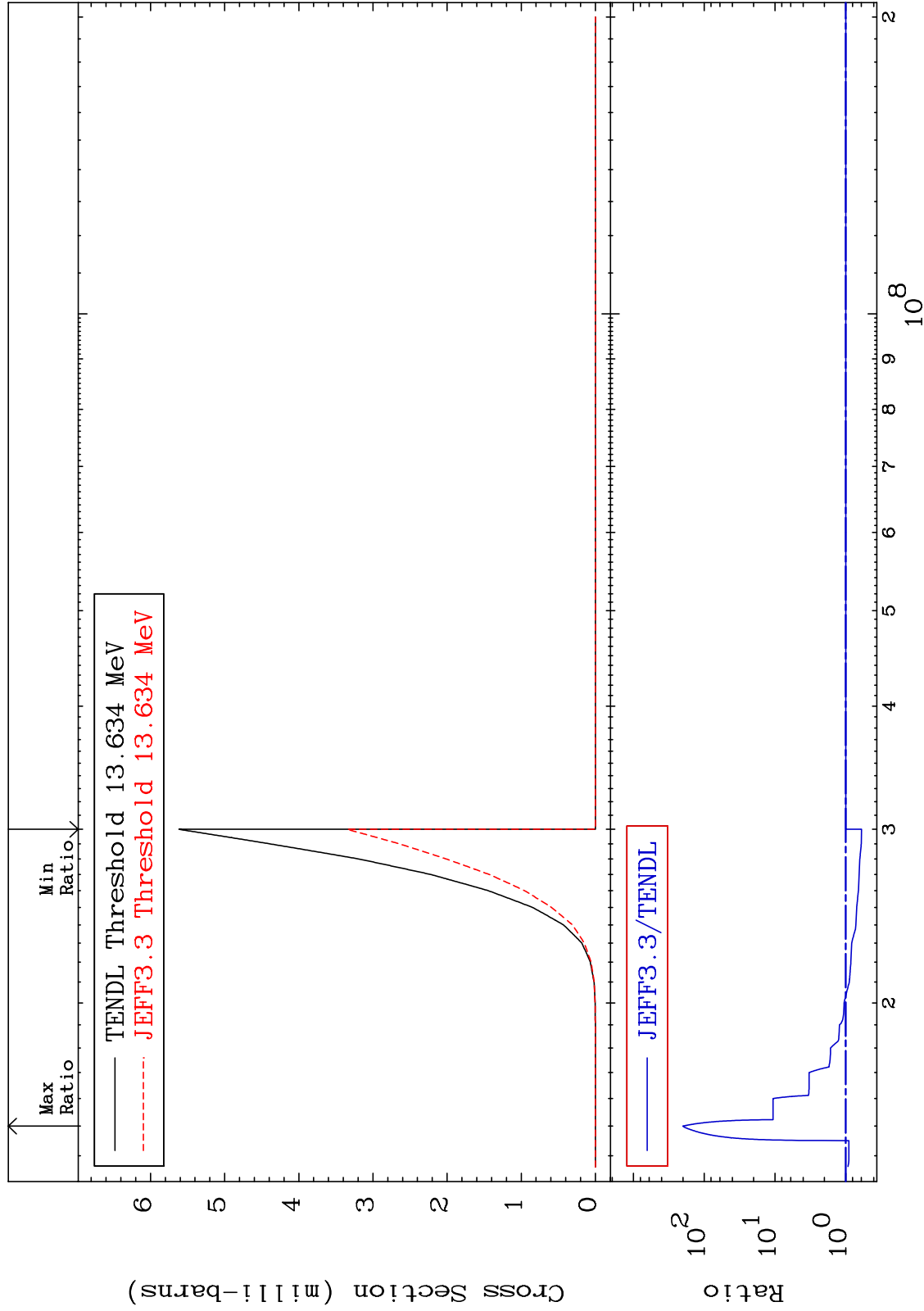


MAT 6925

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

69-Tm-169

Radionuclide Production Cross Section -40.38 To 9999. %

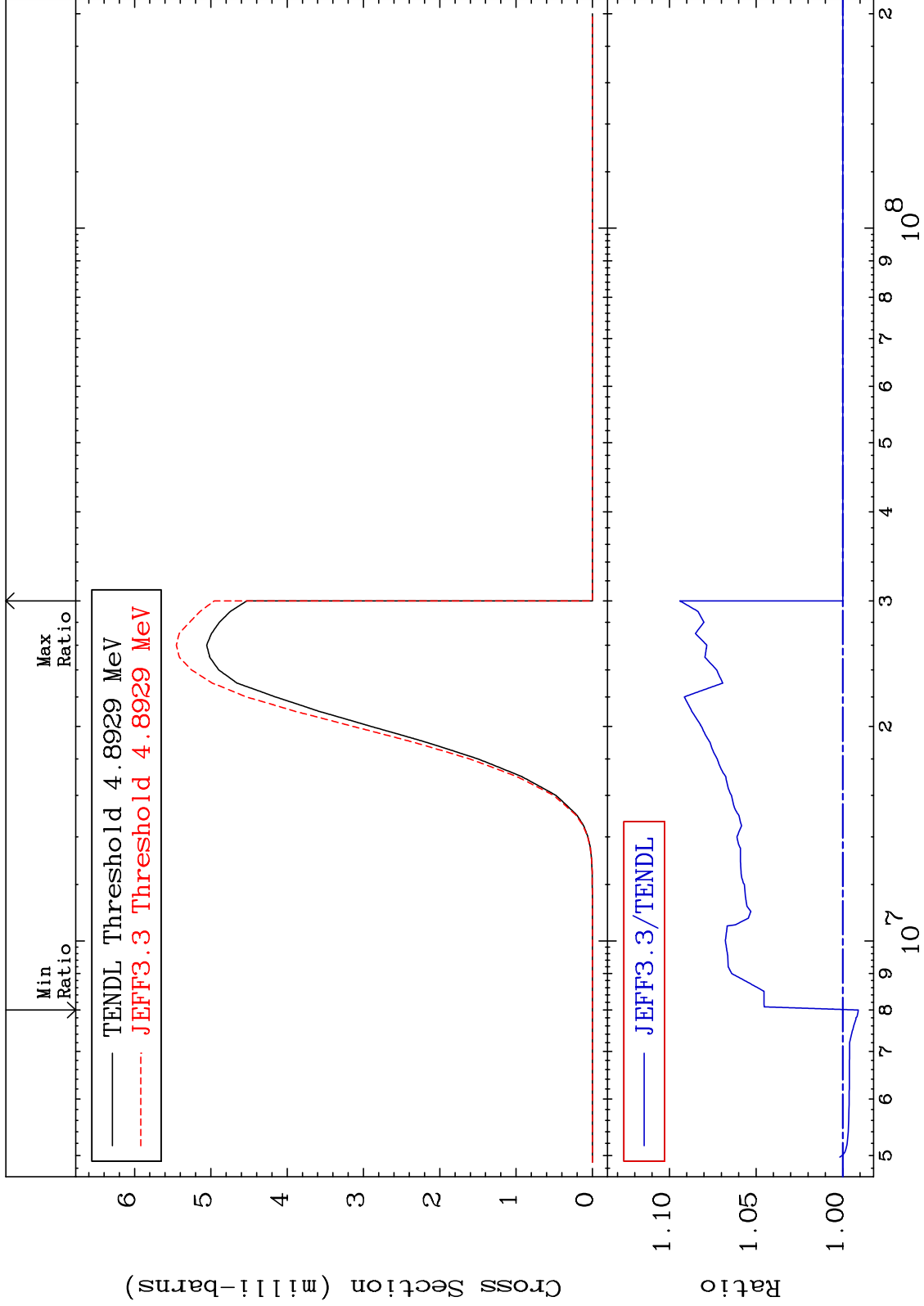


MAT 6925

(n, t): 68-Er-167g

69-Tm-169

Radionuclide Production Cross Section -0.902 To 9.400 %



88

Incident Energy (eV)

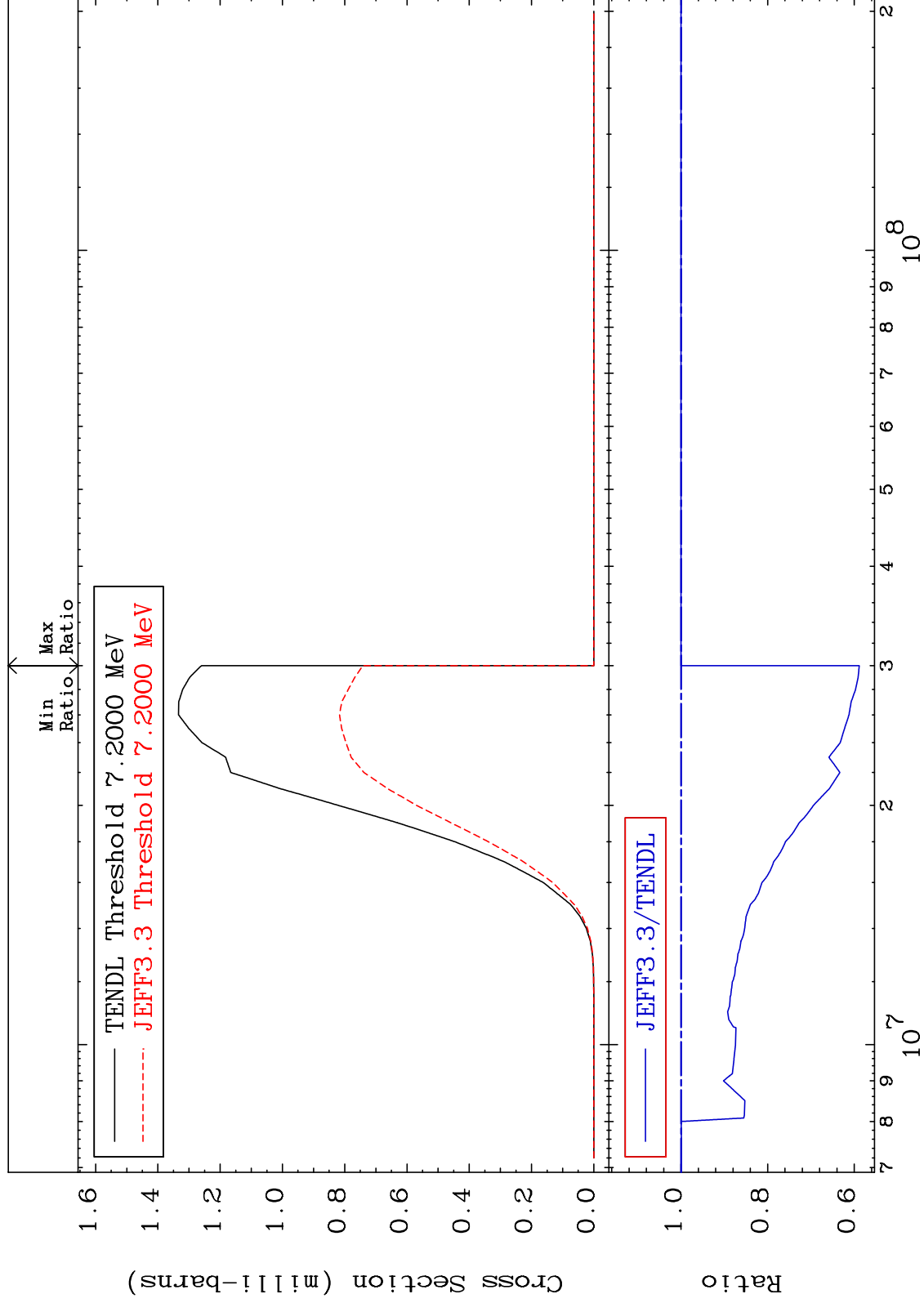
69-Tm-169

MAT 6925

(n, t) : 68-Er-167m3

69-Tm-169

Radionuclide Production Cross Section -41.14 To 0.000 %



89

Incident Energy (eV)

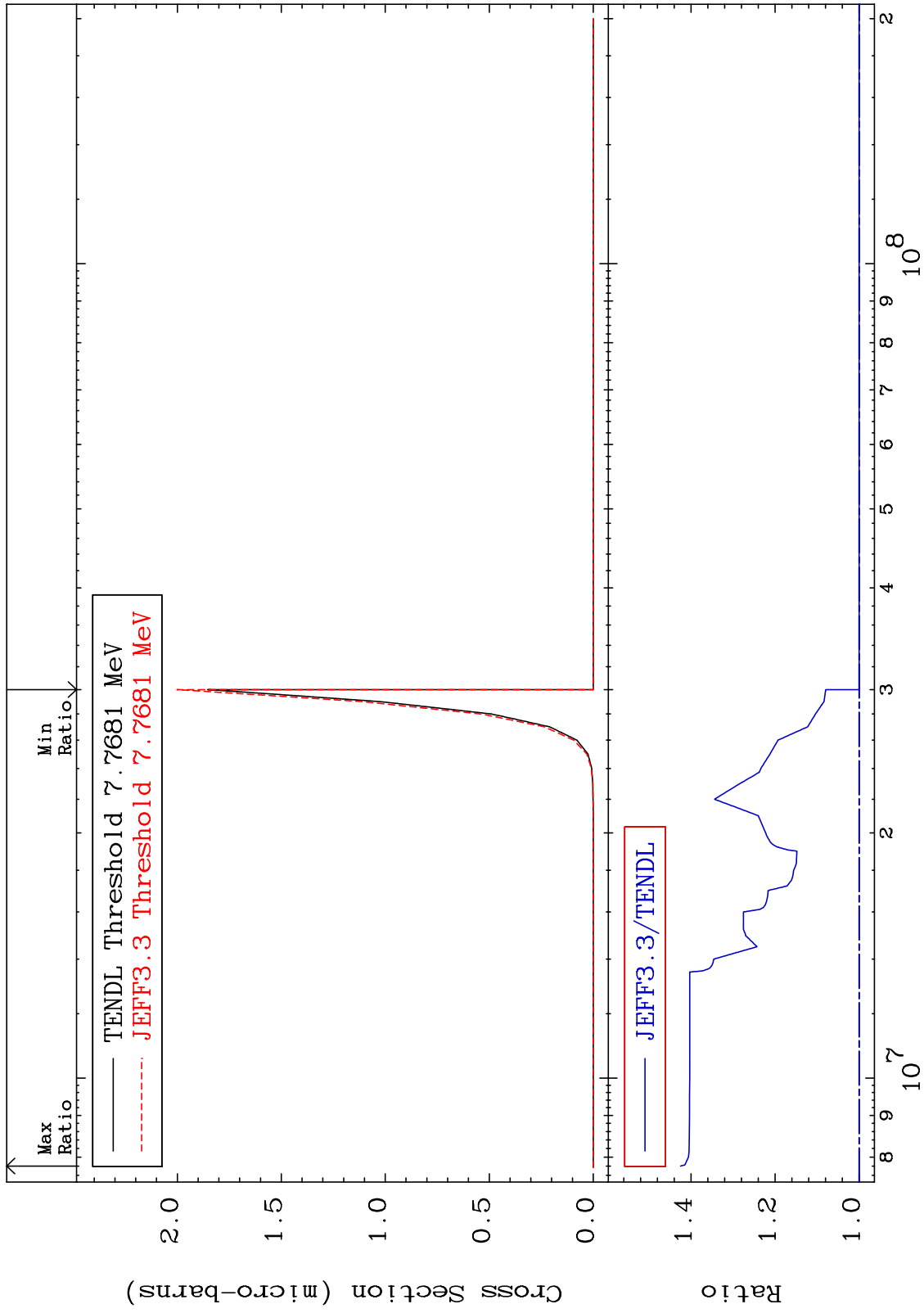
69-Tm-169

MAT 6925

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

69-Tm-169

Radionuclide Production Cross Section 0.000 To 42.47 %



90

Incident Energy (eV)

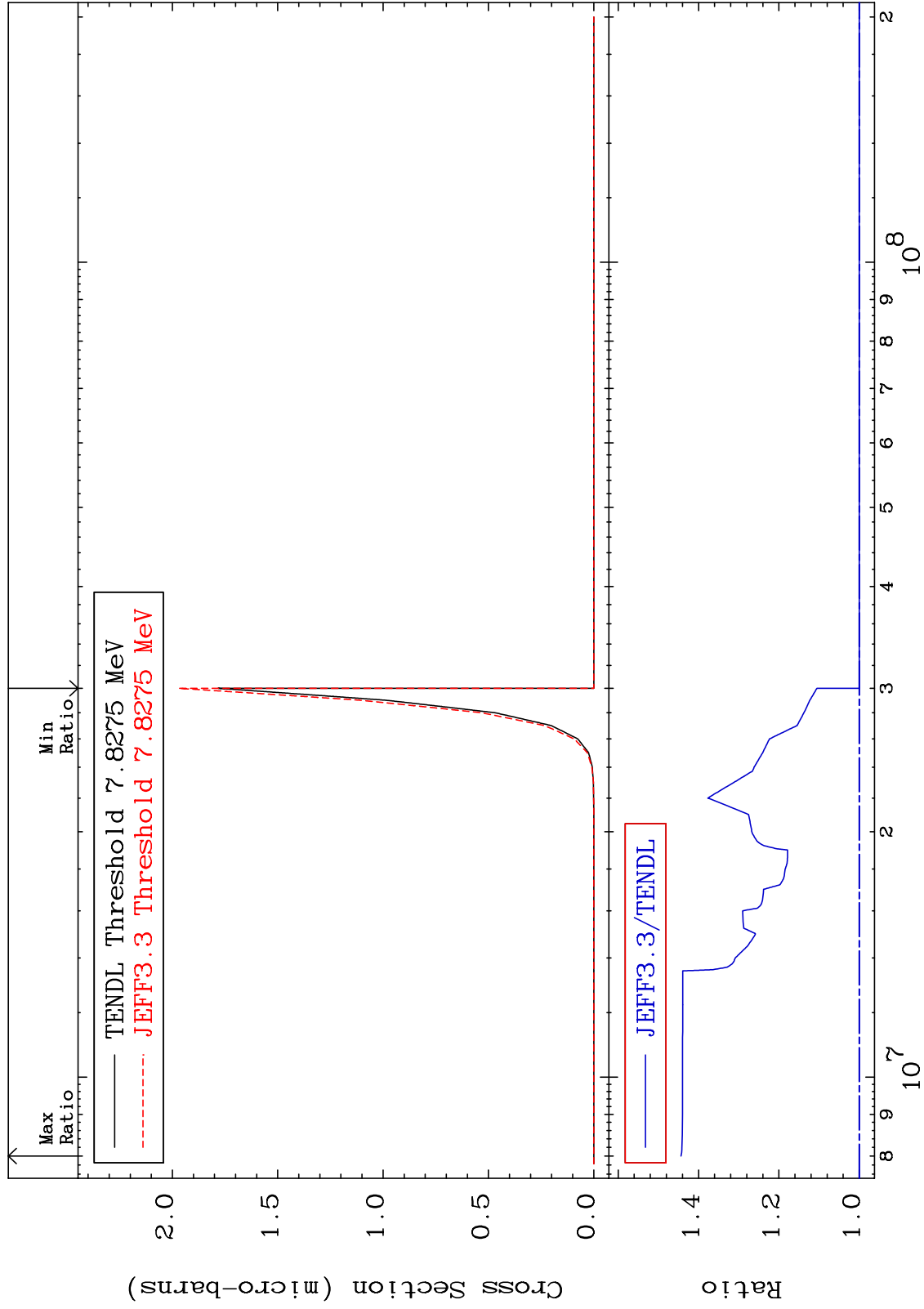
69-Tm-169

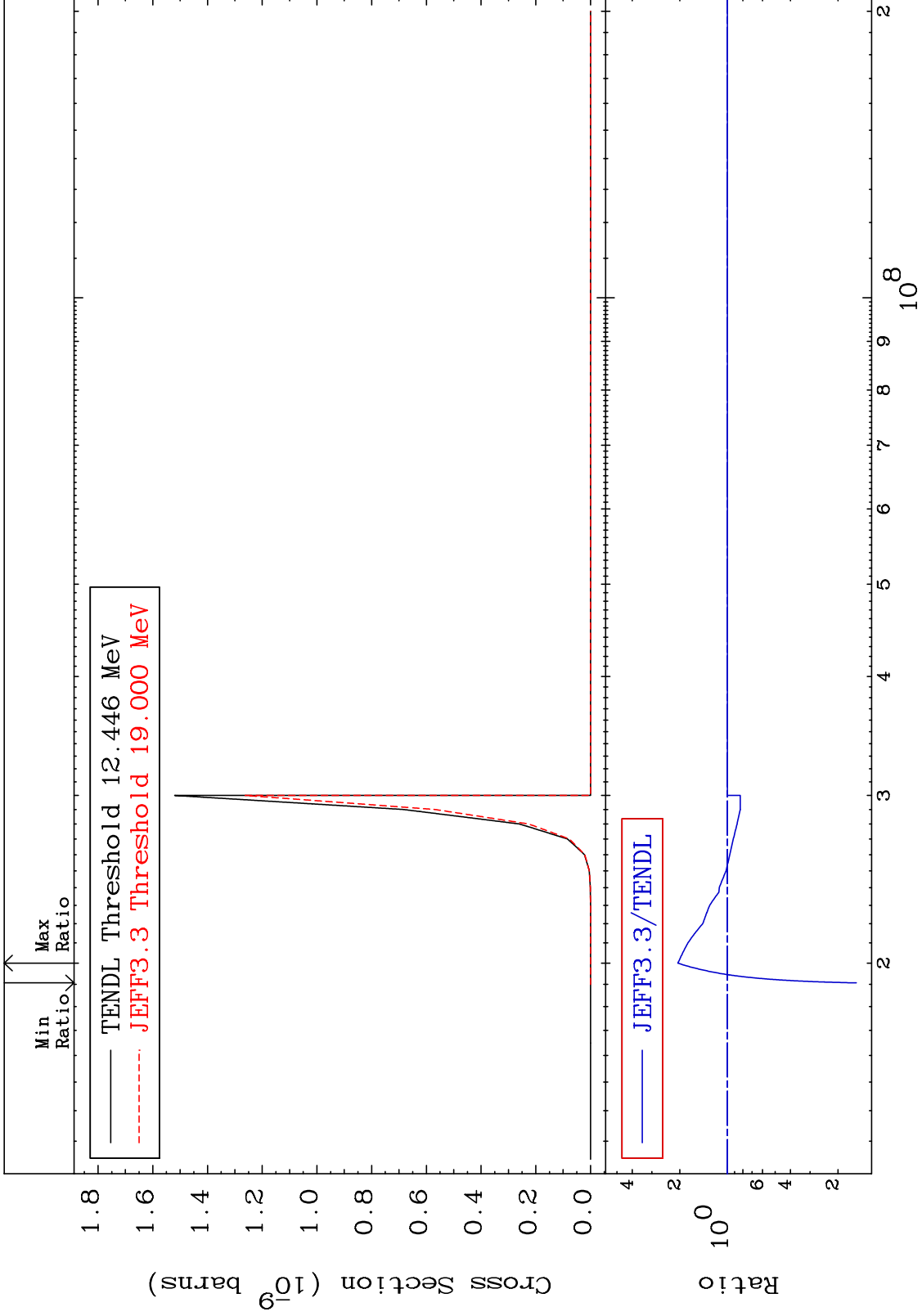
MAT 6925

(n,2p):67-Ho-168m1

69-Tm-169

Radionuclide Production Cross Section 0.000 To 44.35 %





MAT 6925

(n, p) t:67-Ho-166m1

69-Tm-169

Radionuclide Production Cross Section -98.95 To 113.1 %

