

Program Complot
(Version 2018-1)

by

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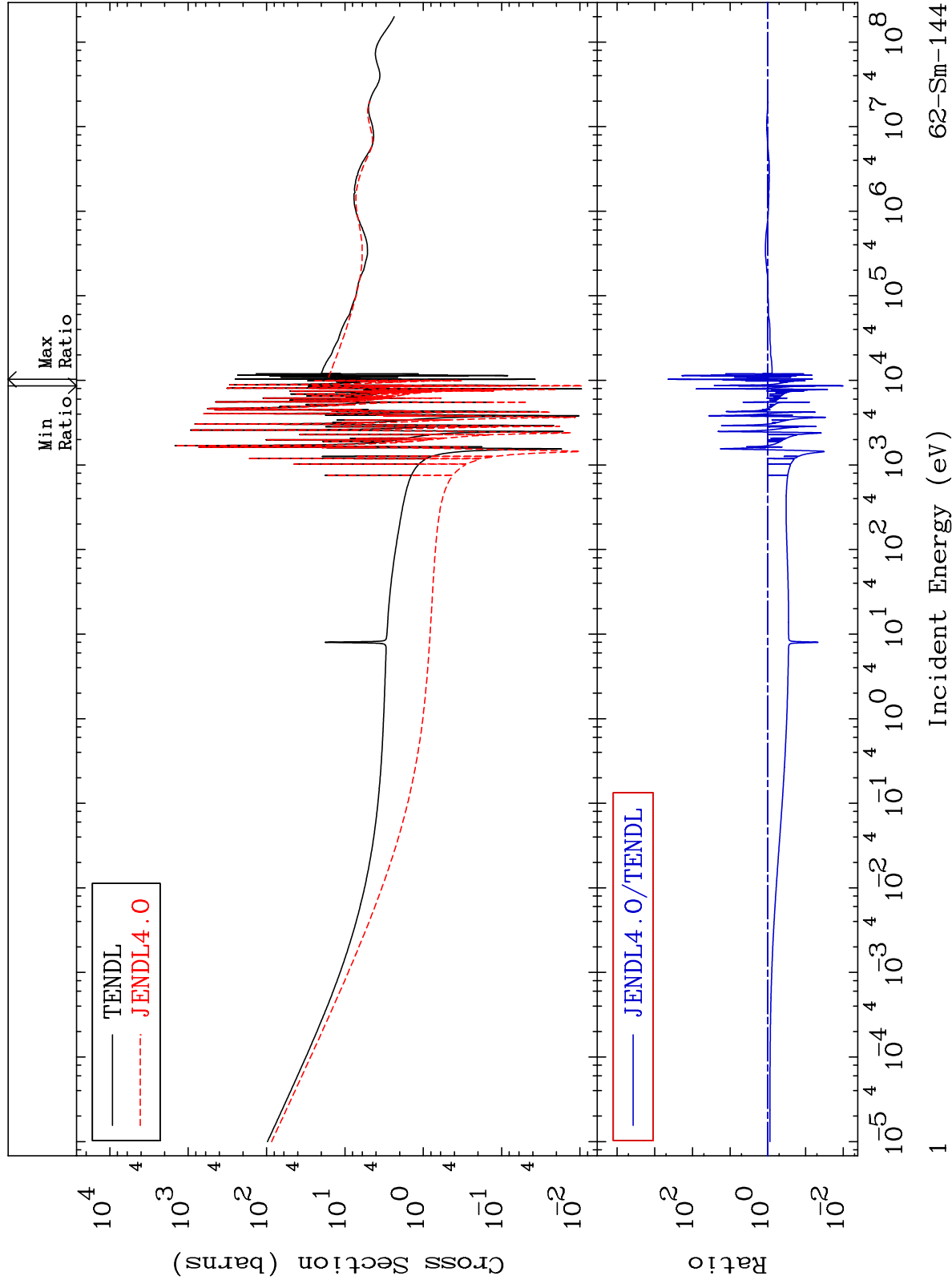
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6225

Total
Cross Section

62-Sm-144
-98.98 To 9999. %

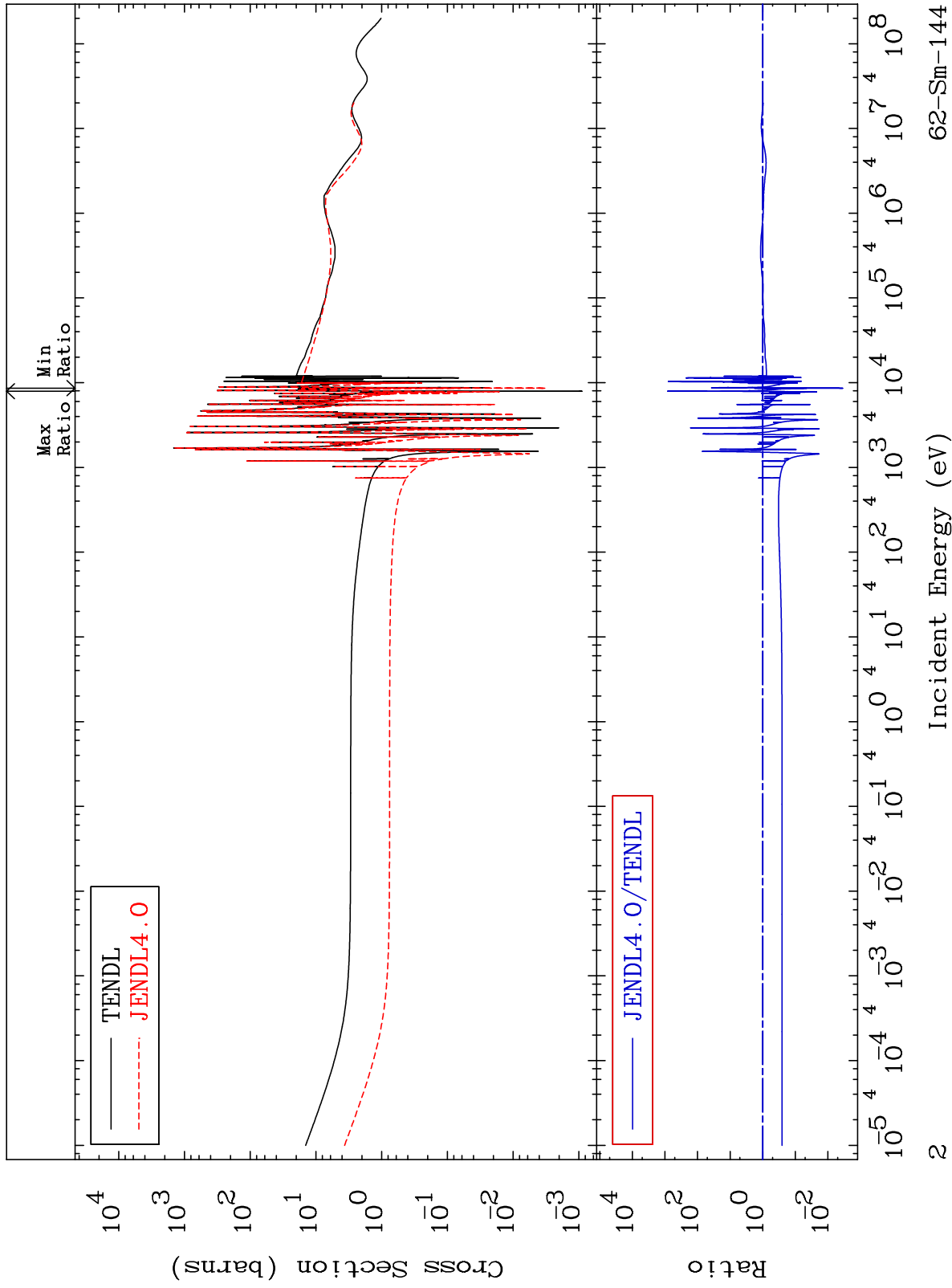


62-Sm-144

MAT 6225

Elastic
Cross Section

62-Sm-144
-99.65 To 9999. %



62-Sm-144

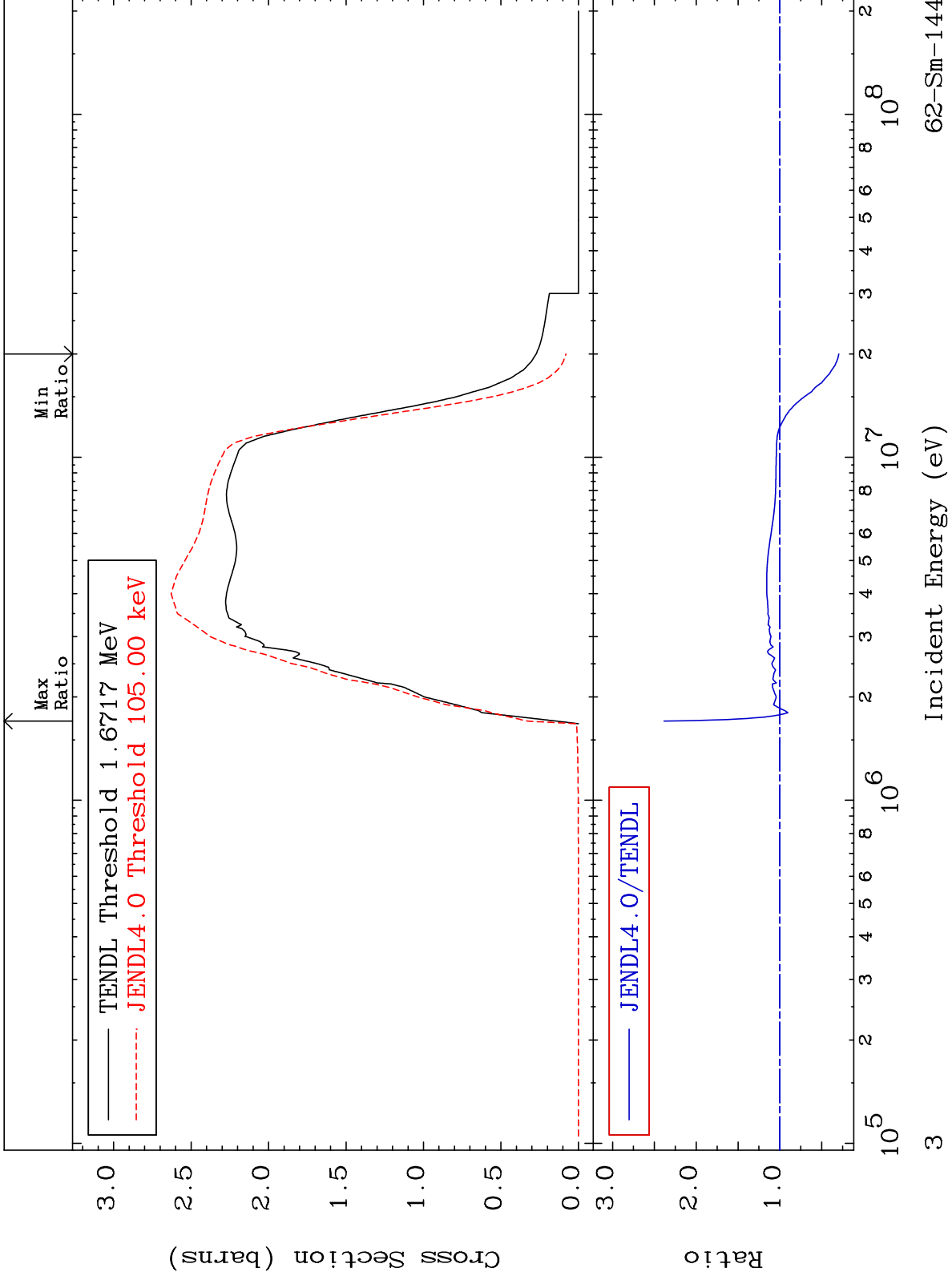
Incident Energy (eV)

MAT 6225

Inelastic
Cross Section

62-Sm-144

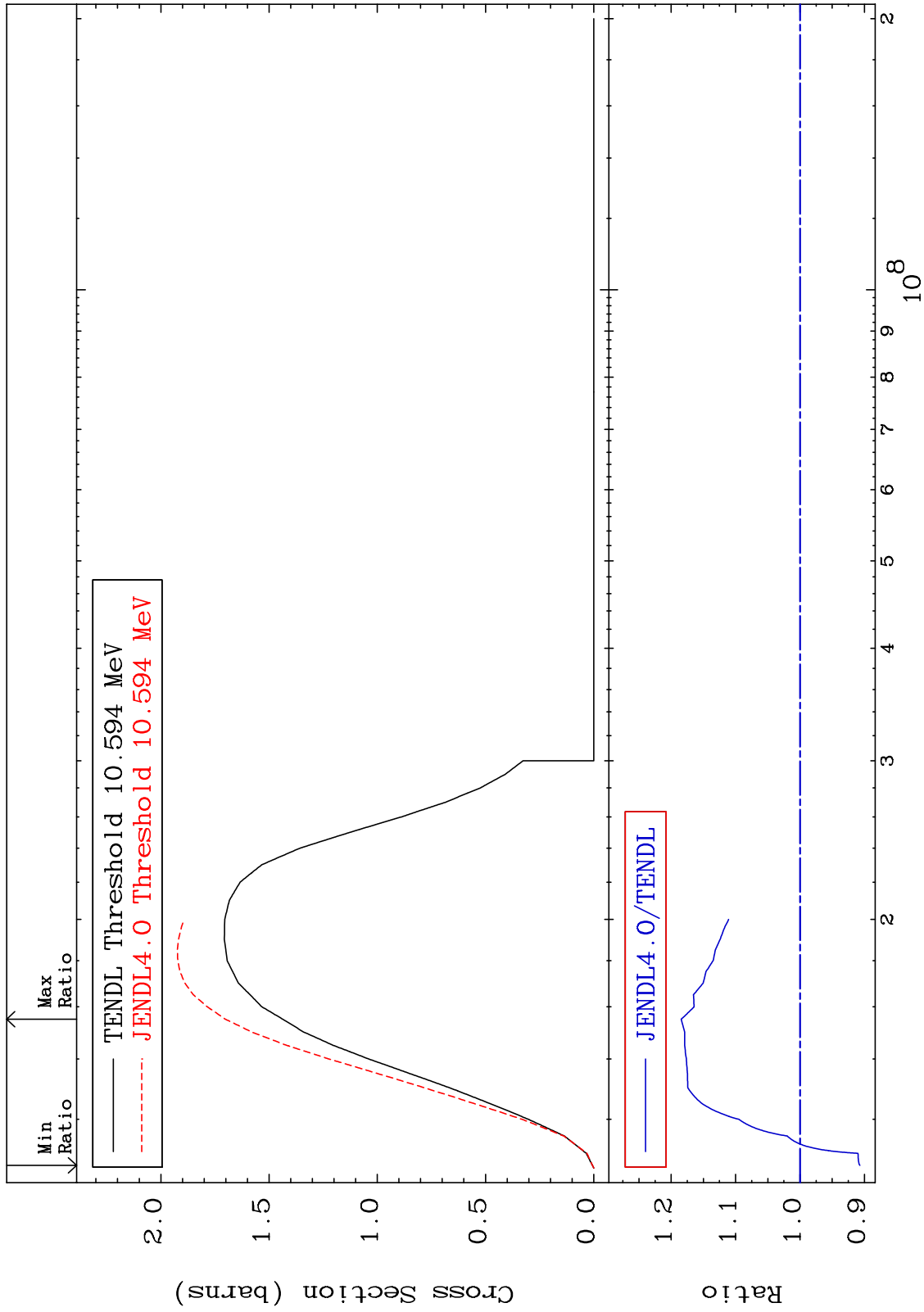
-70.48 To 138.5 %



Incident Energy (eV)

62-Sm-144

MAT 6225 (n,2n) Cross Section 62-Sm-144 -9.299 To 18.44 %



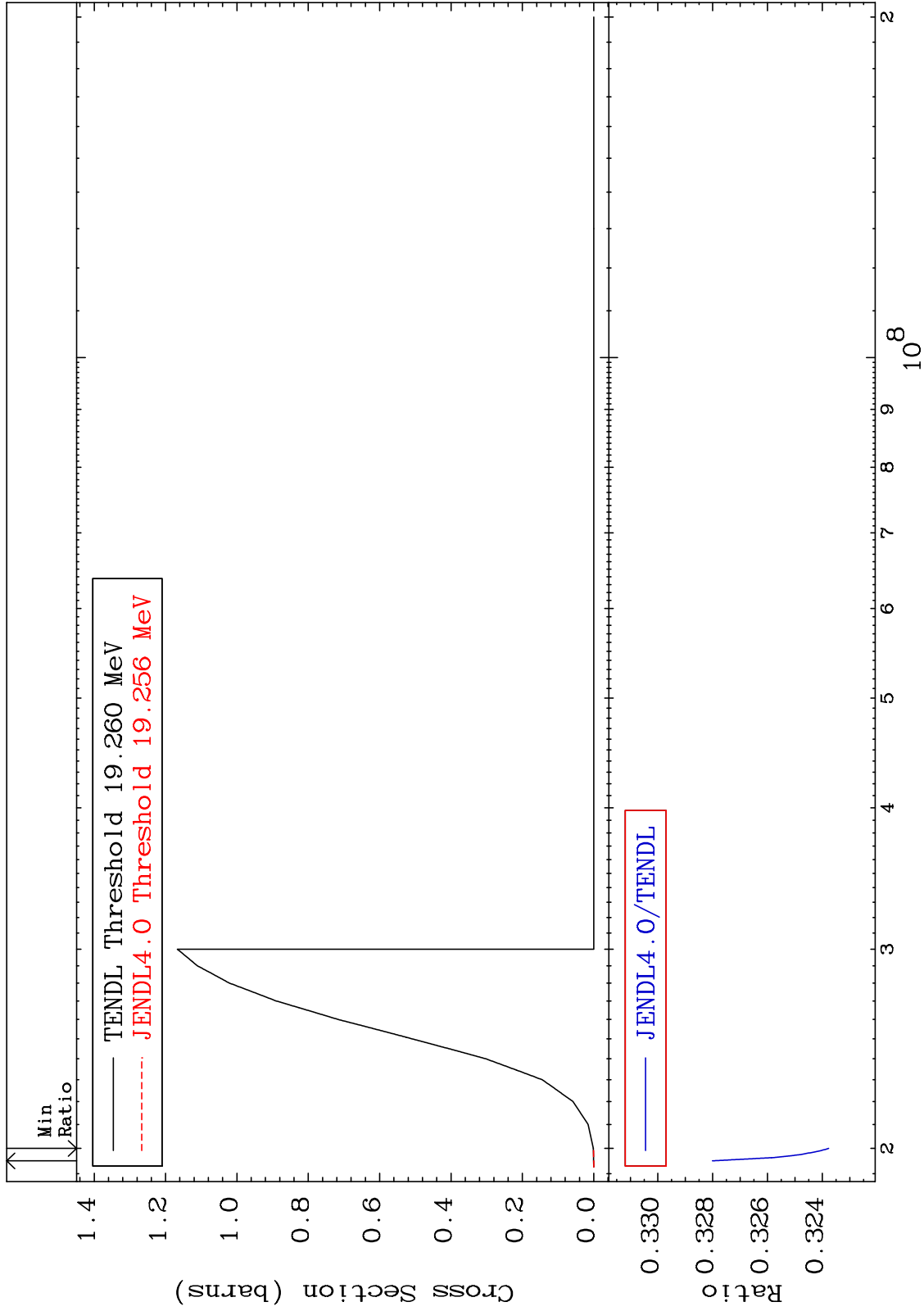
MAT 6225

(n, 3n)

62-Sm-144

Cross Section

-67.62 To -67.20%



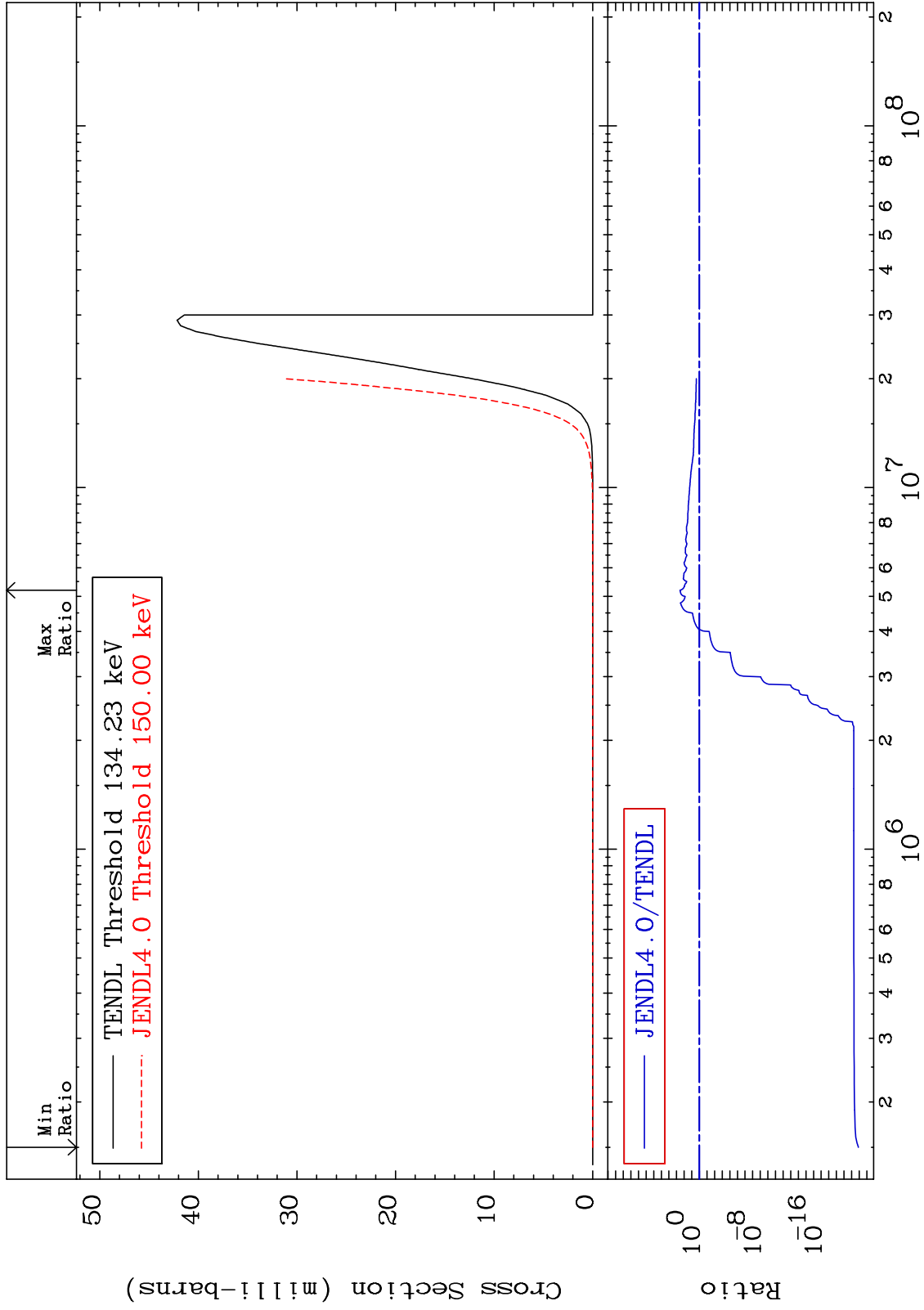
MAT 6225

(n, n') α

62-Sm-144

-100.0 To 9999. %

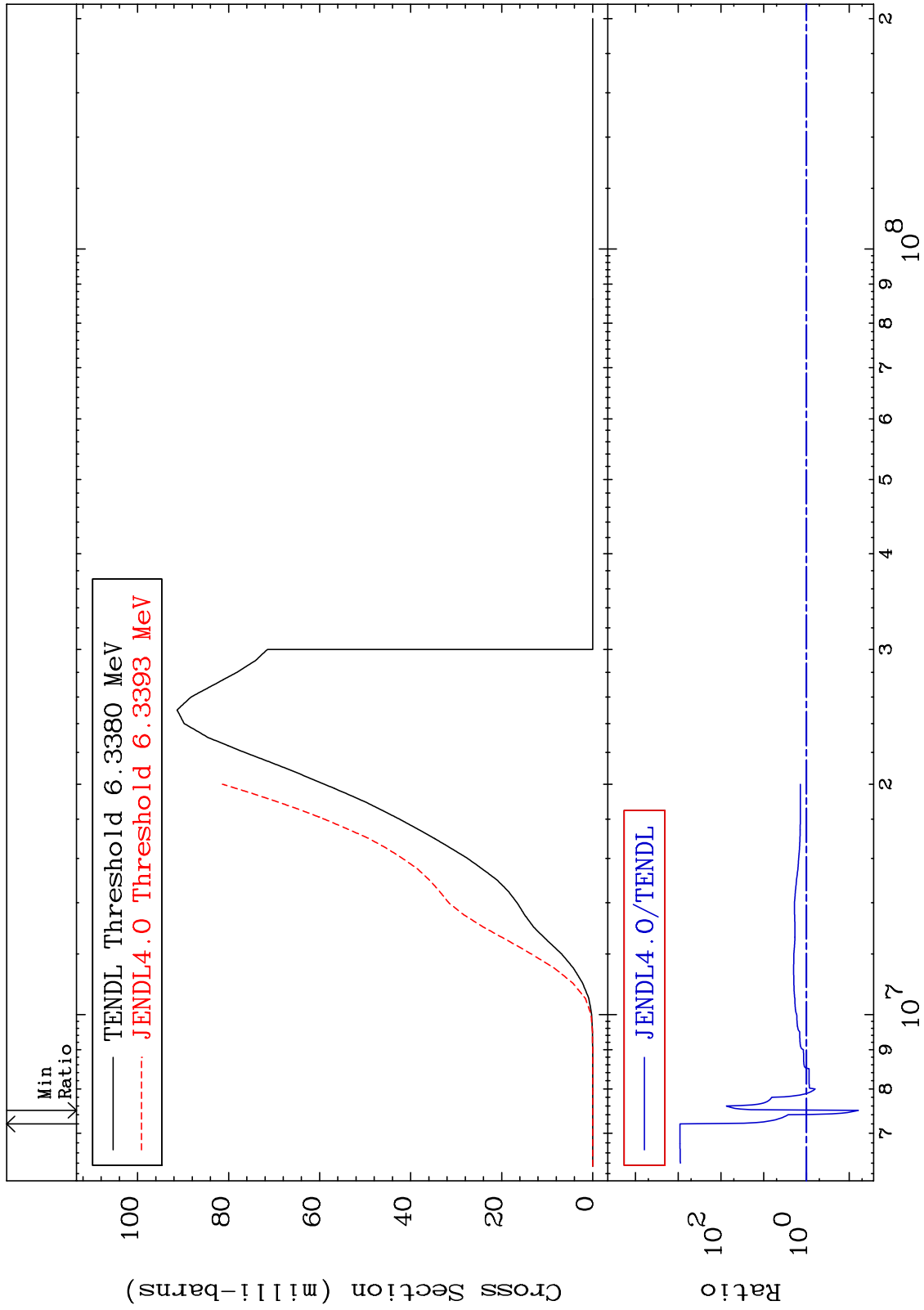
Cross Section



MAT 6225

(n,n') p
Cross Section

62-Sm-144
-93.91 To 9999. %



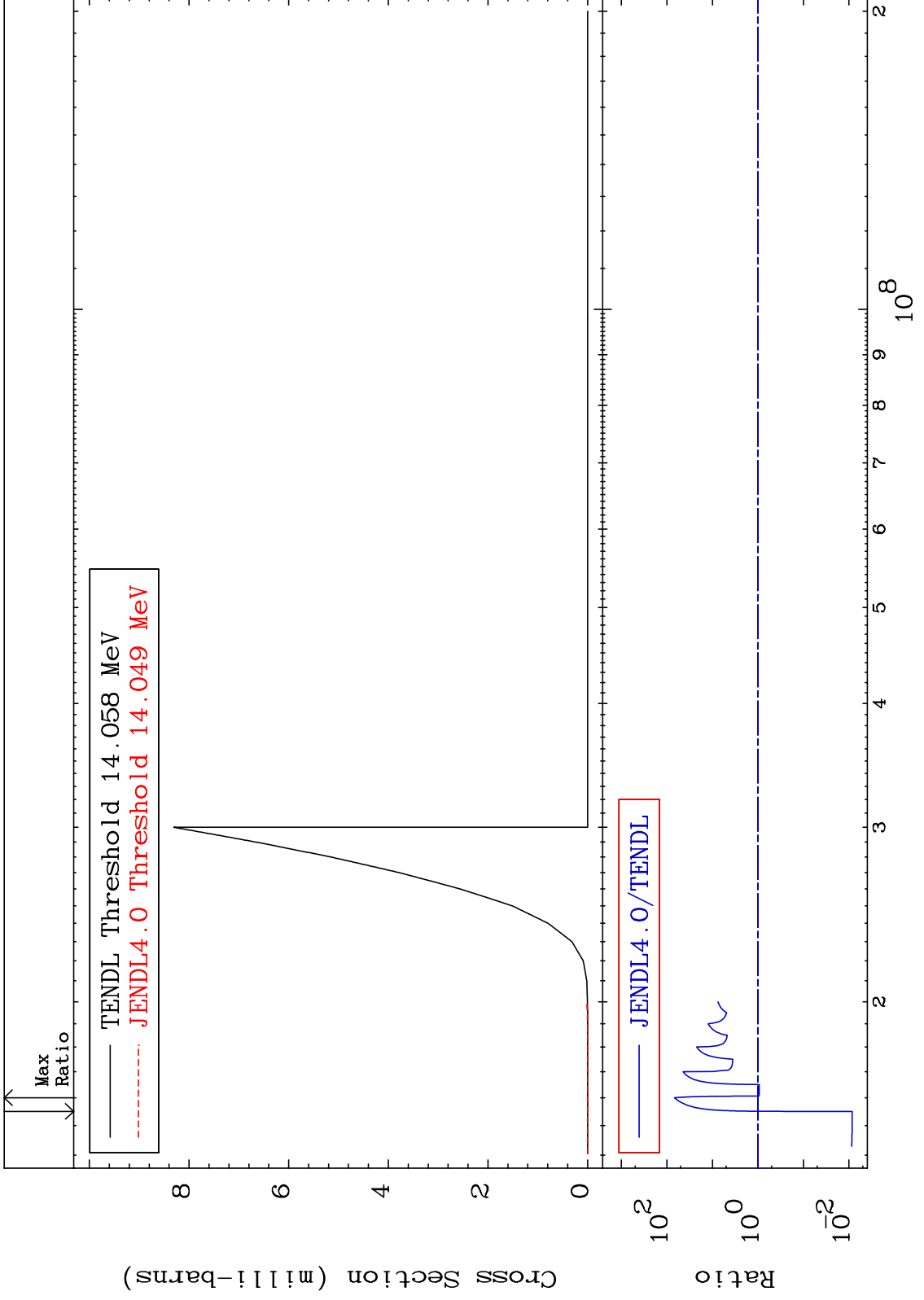
MAT 6225

(n,n') d

62-Sm-144

Cross Section

-99.15 To 6691. %



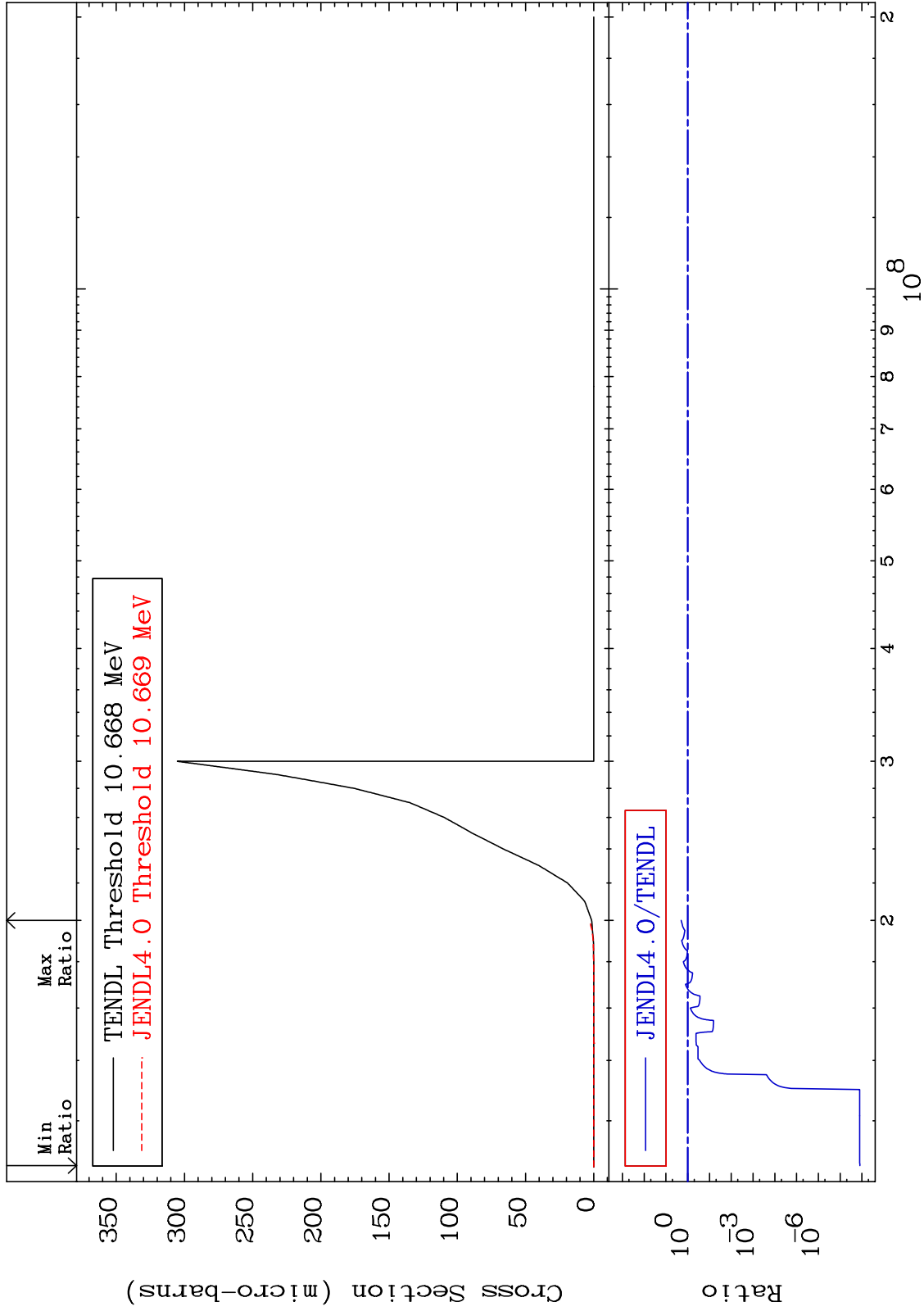
MAT 6225

(n,2n) p

62-Sm-144

Cross Section

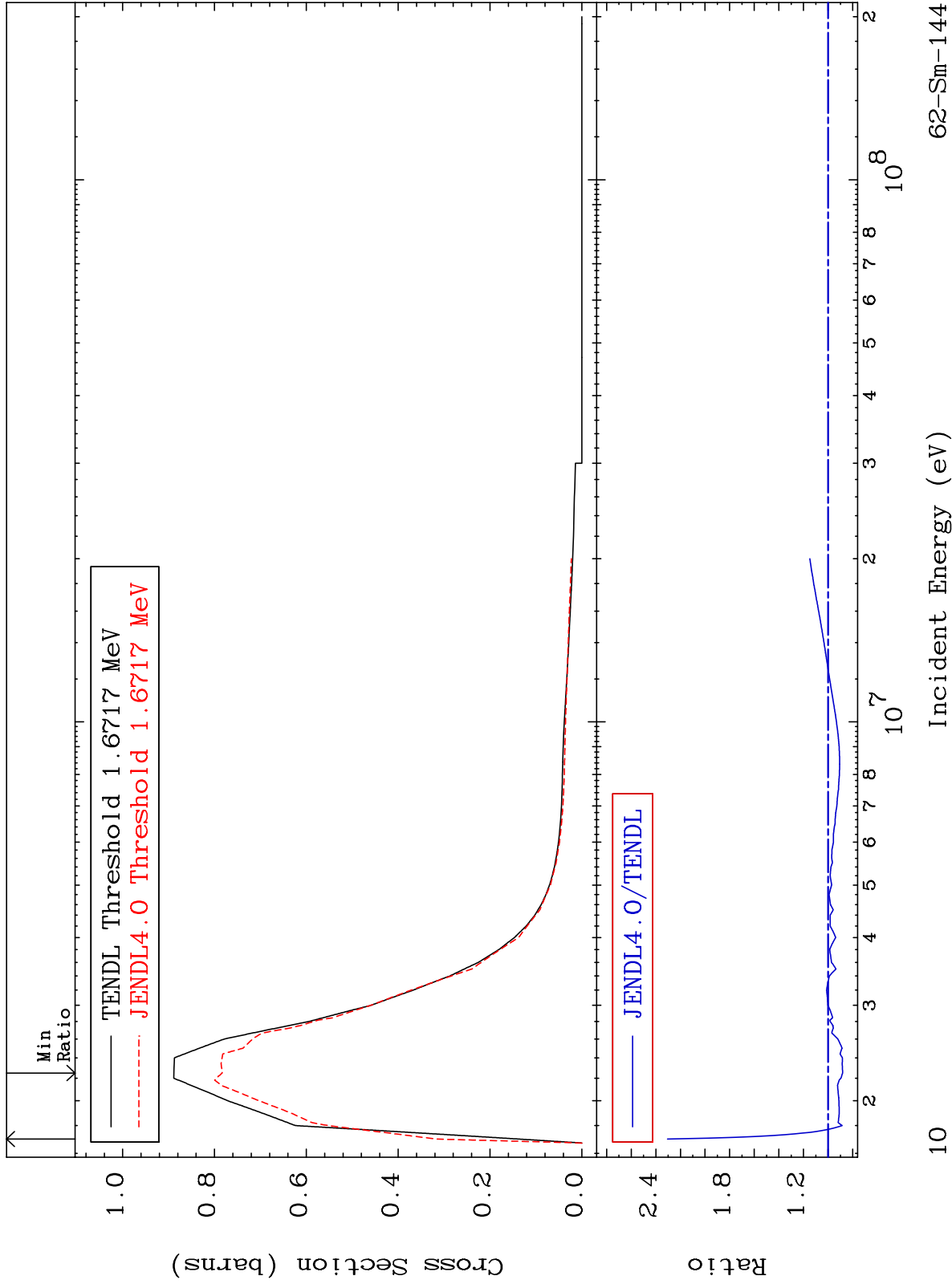
-100.0 To 99.00 %



MAT 6225

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

62-Sm-144
-11.85 To 130.5 %

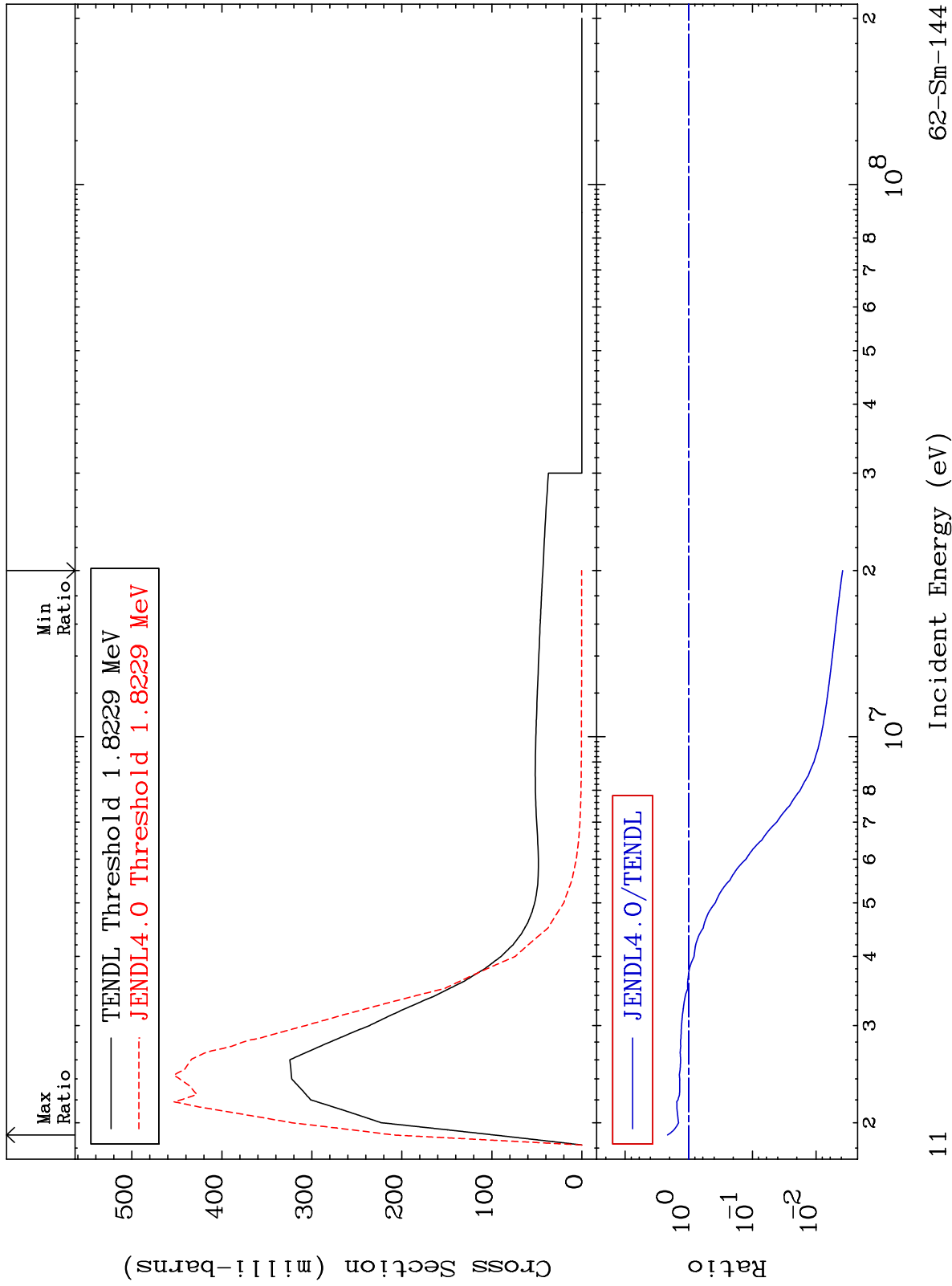


10

Incident Energy (eV)

62-Sm-144

MAT 6225 MT= 52 (n,n') Level
 Cross Section 62-Sm-144
 -99.62 To 115.2 %



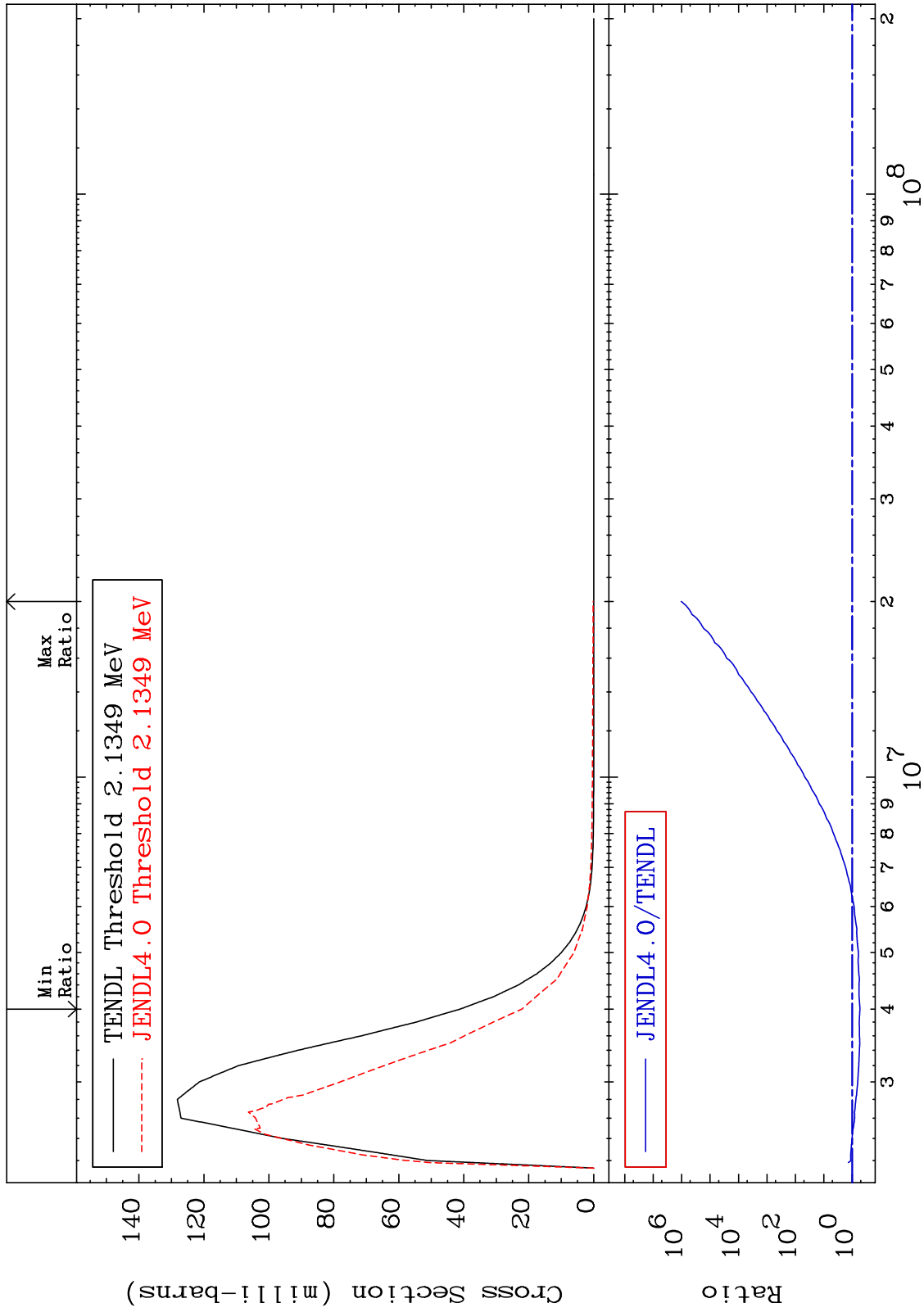
62-Sm-144

Incident Energy (eV)

MAT 6225

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

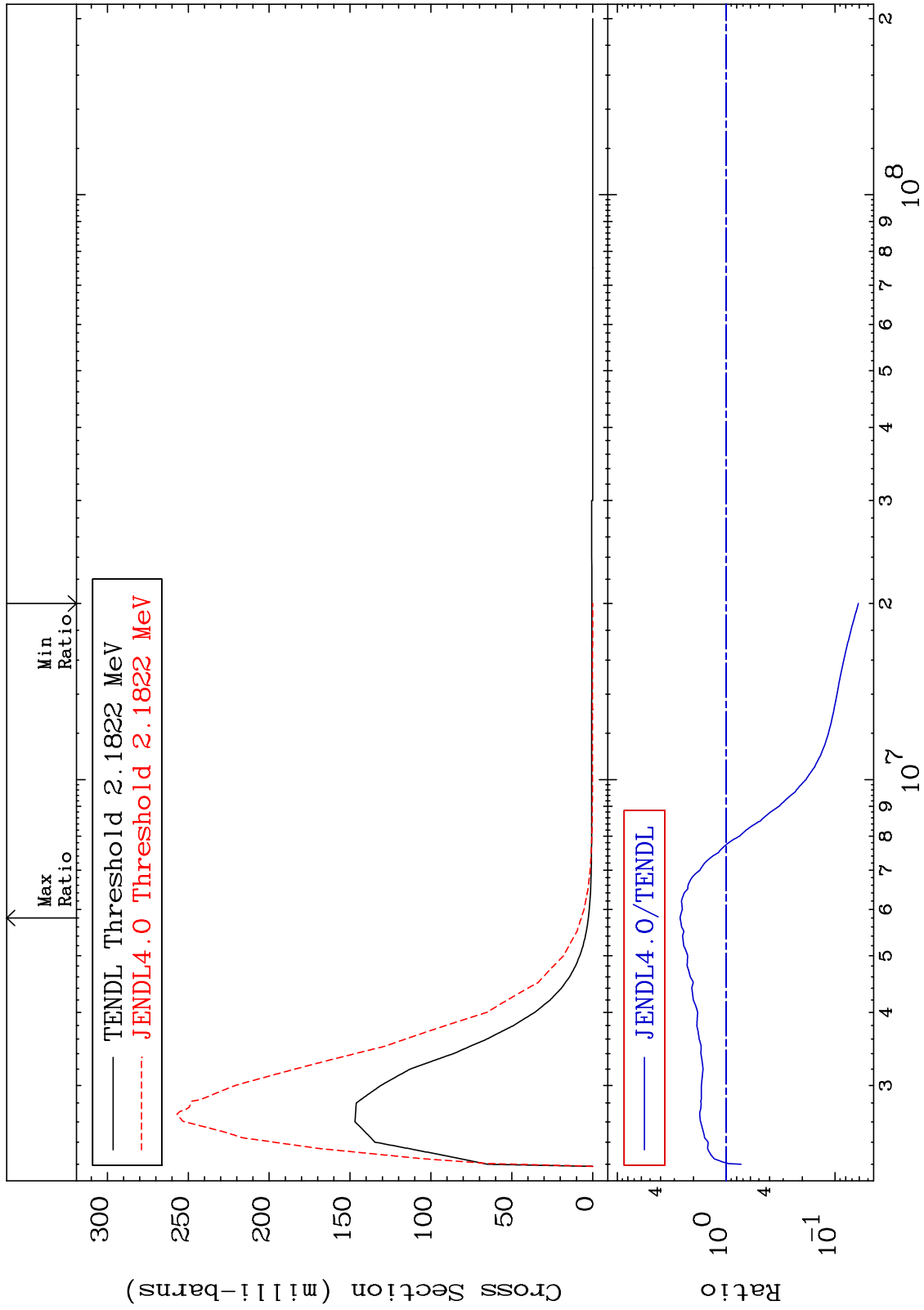
62-Sm-144
-46.27 To 9999. %



MAT 6225

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

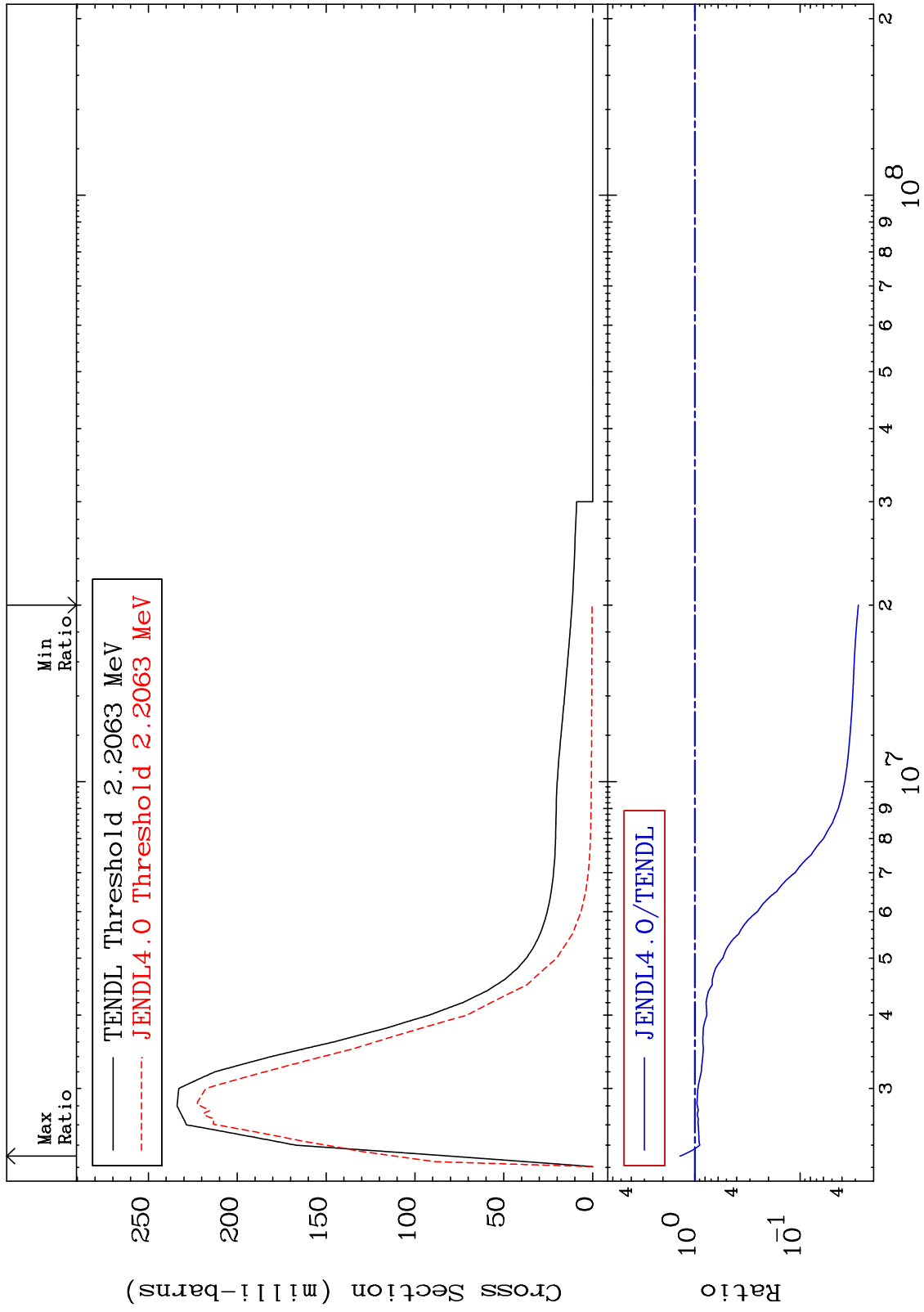
62-Sm-144
-93.89 To 165.4 %



MAT 6225

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

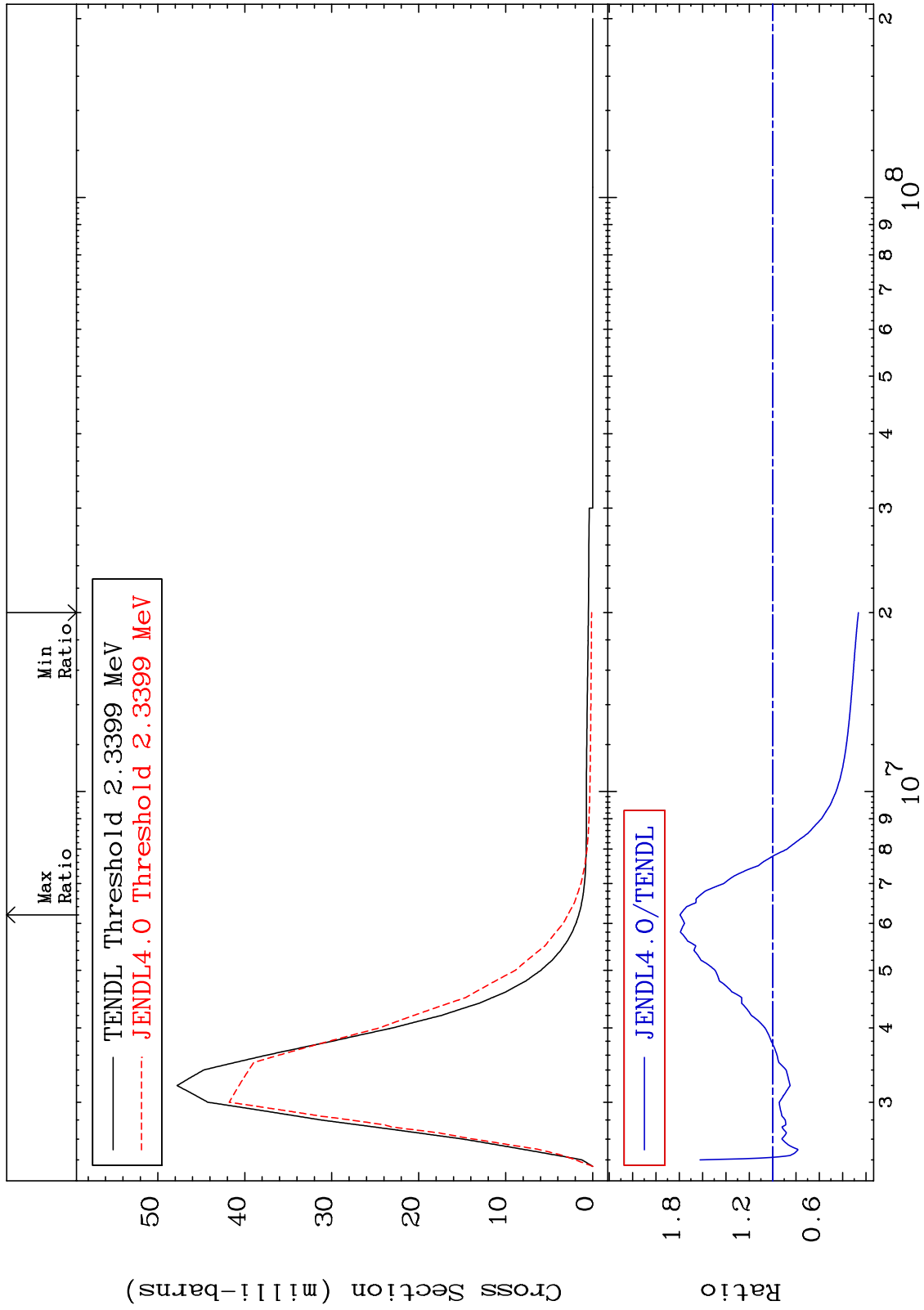
62-Sm-144
-97.20 To 38.00 %



MAT 6225

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

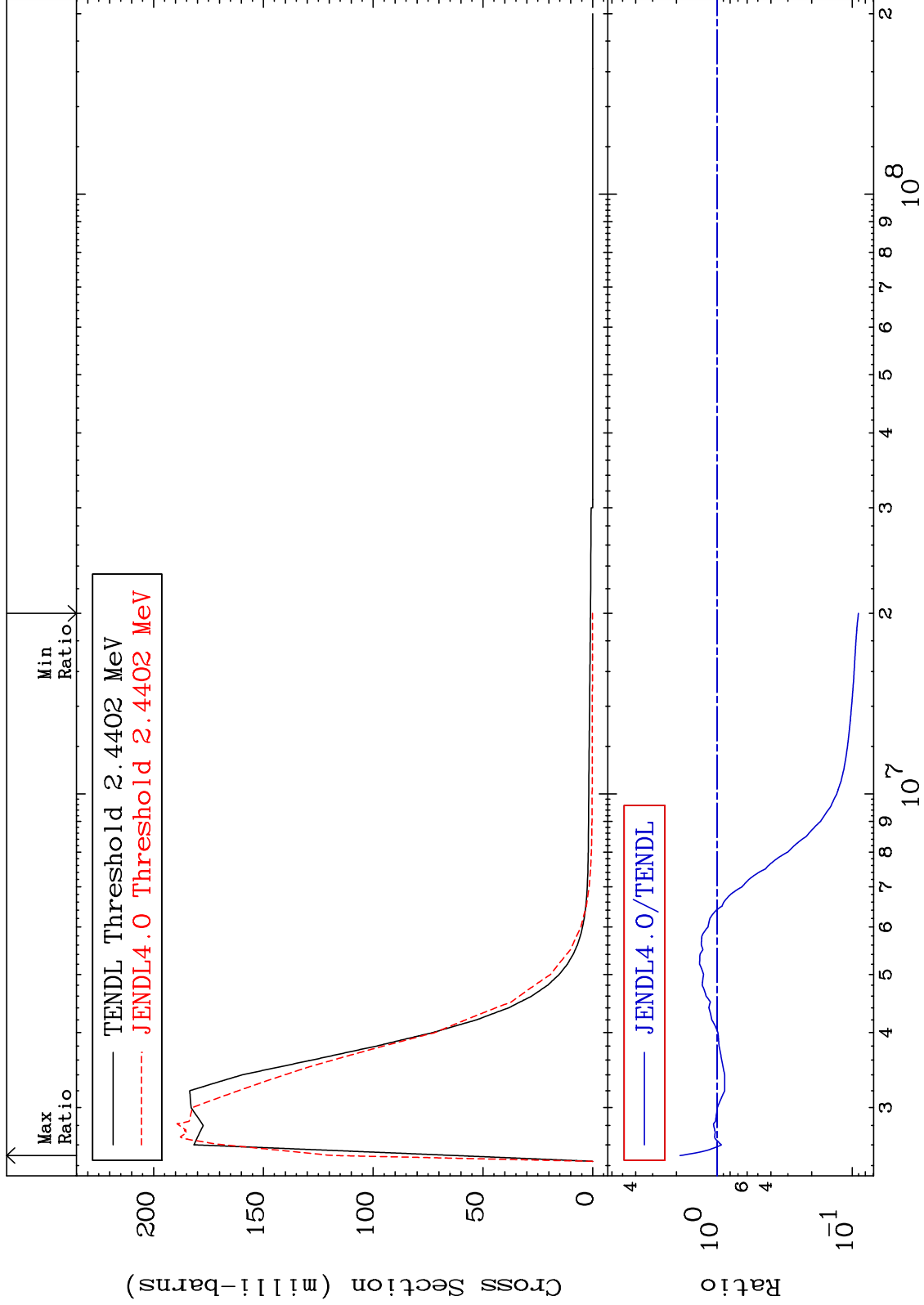
62-Sm-144
-73.51 To 79.35 %



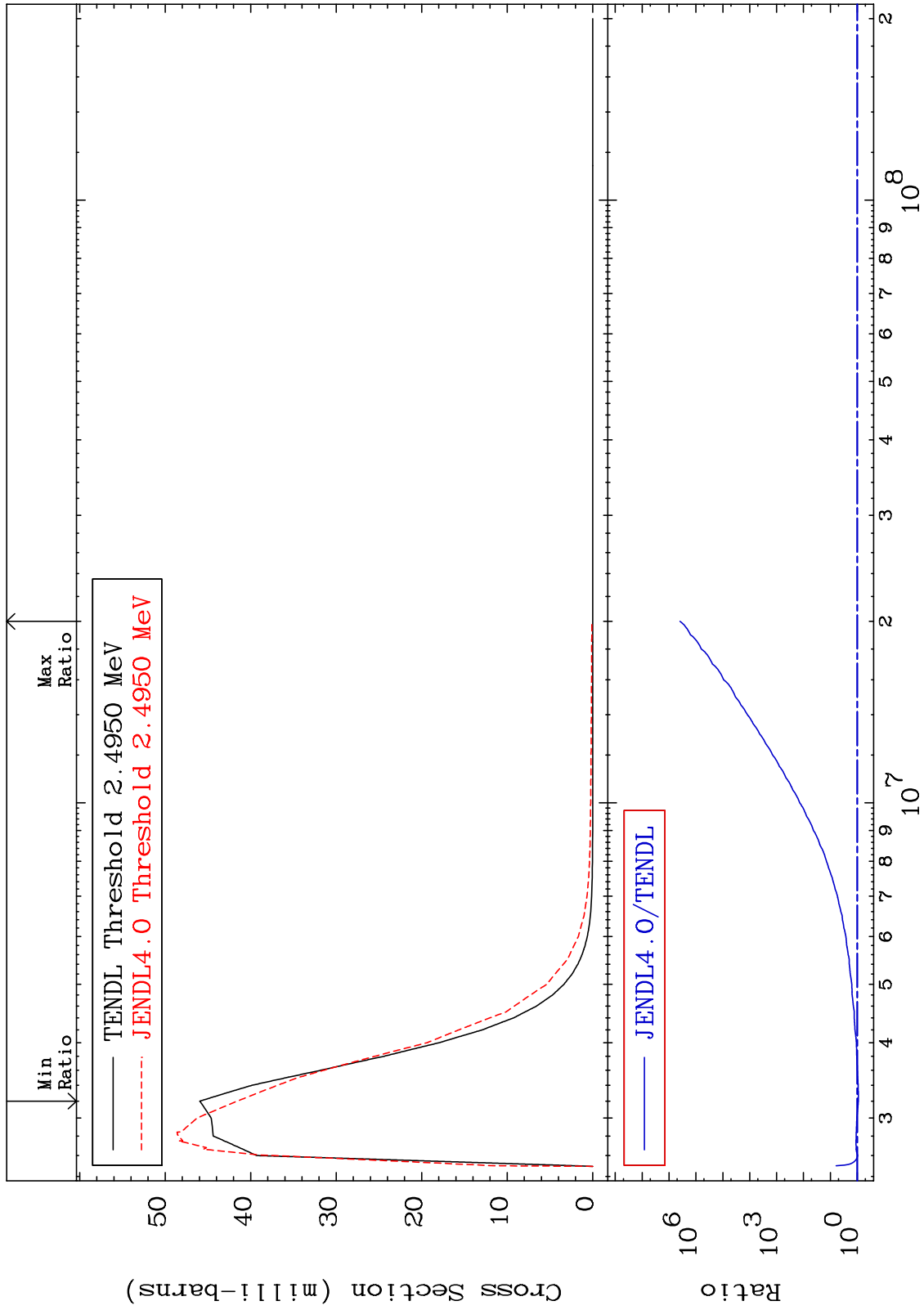
MAT 6225

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

62-Sm-144
-90.99 To 88.11 %



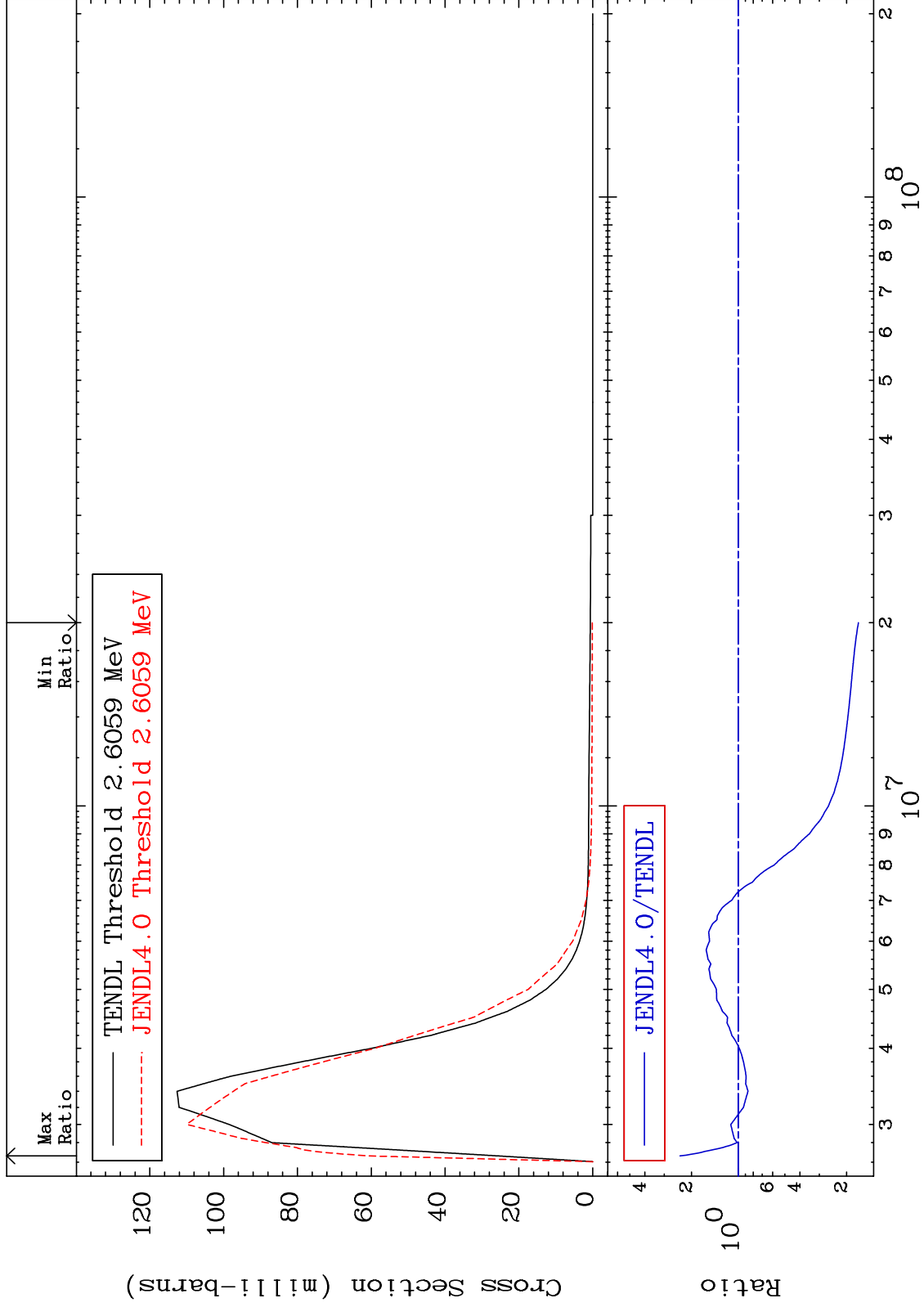
MAT 6225 MT= 58 (n,n') Level 62-Sm-144
 Cross Section -9.537 To 9999. %



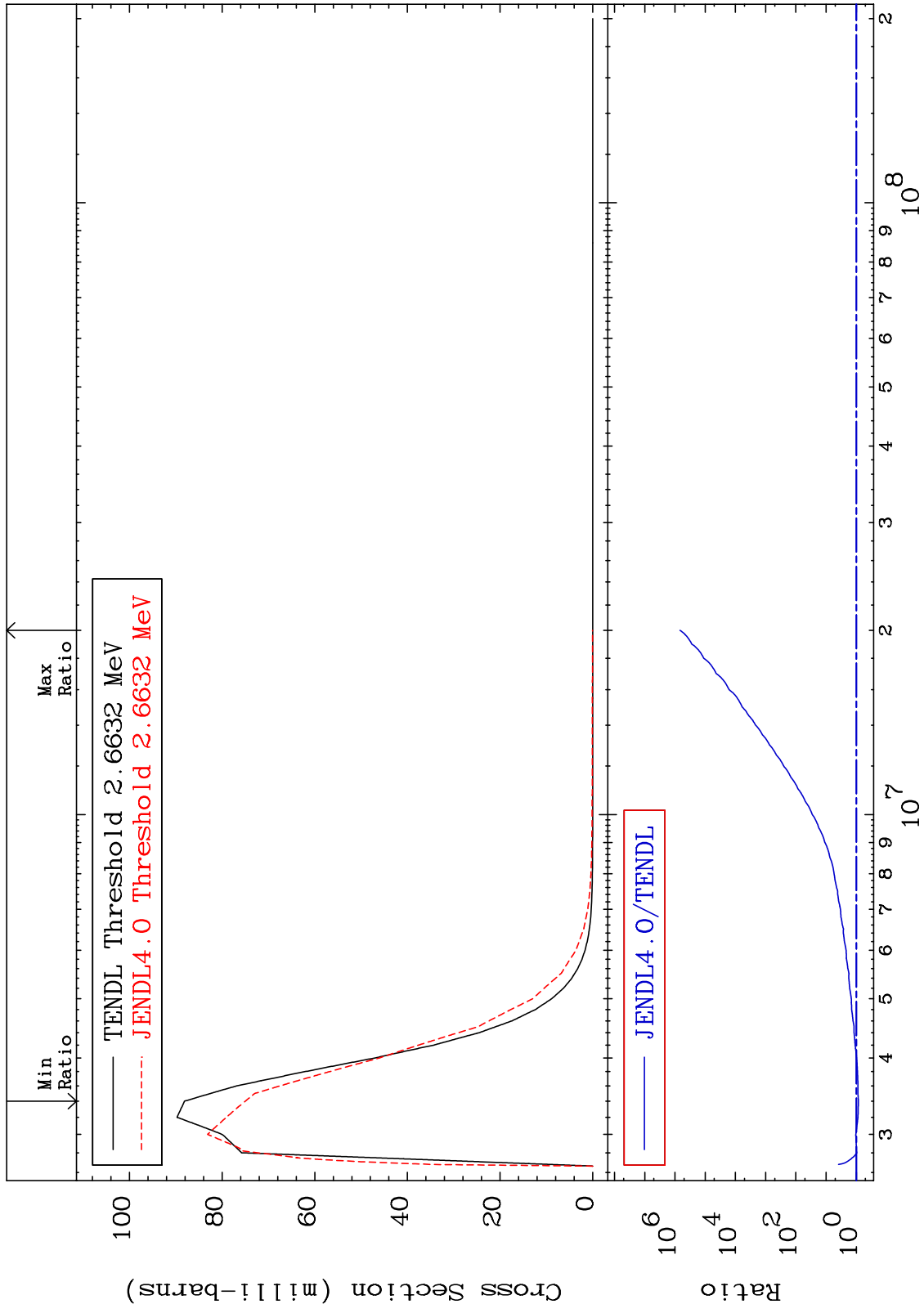
MAT 6225

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

62-Sm-144
-83.24 To 137.4 %



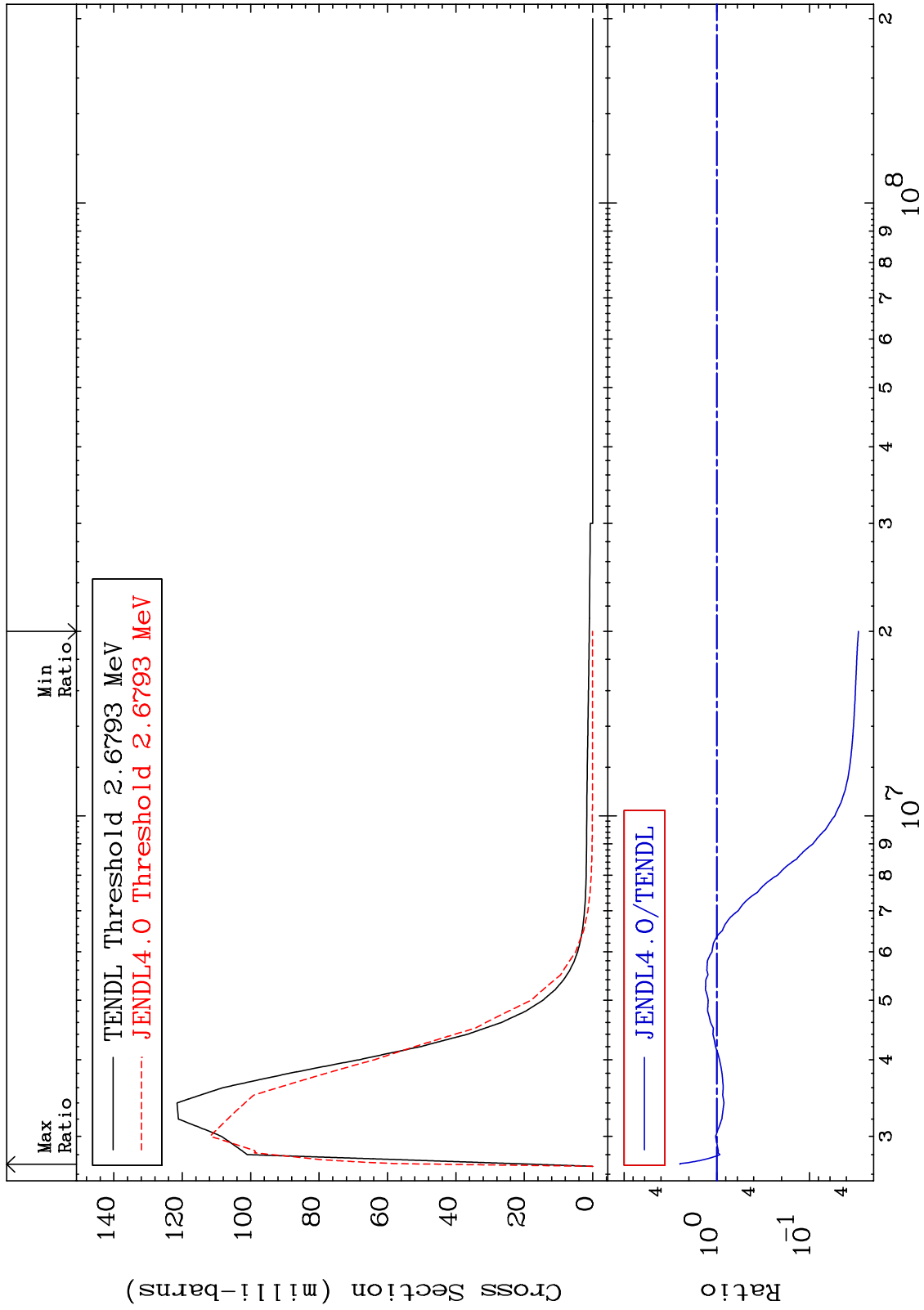
MAT 6225 MT= 60 (n,n') Level 62-Sm-144
 Cross Section -14.88 To 9999. %



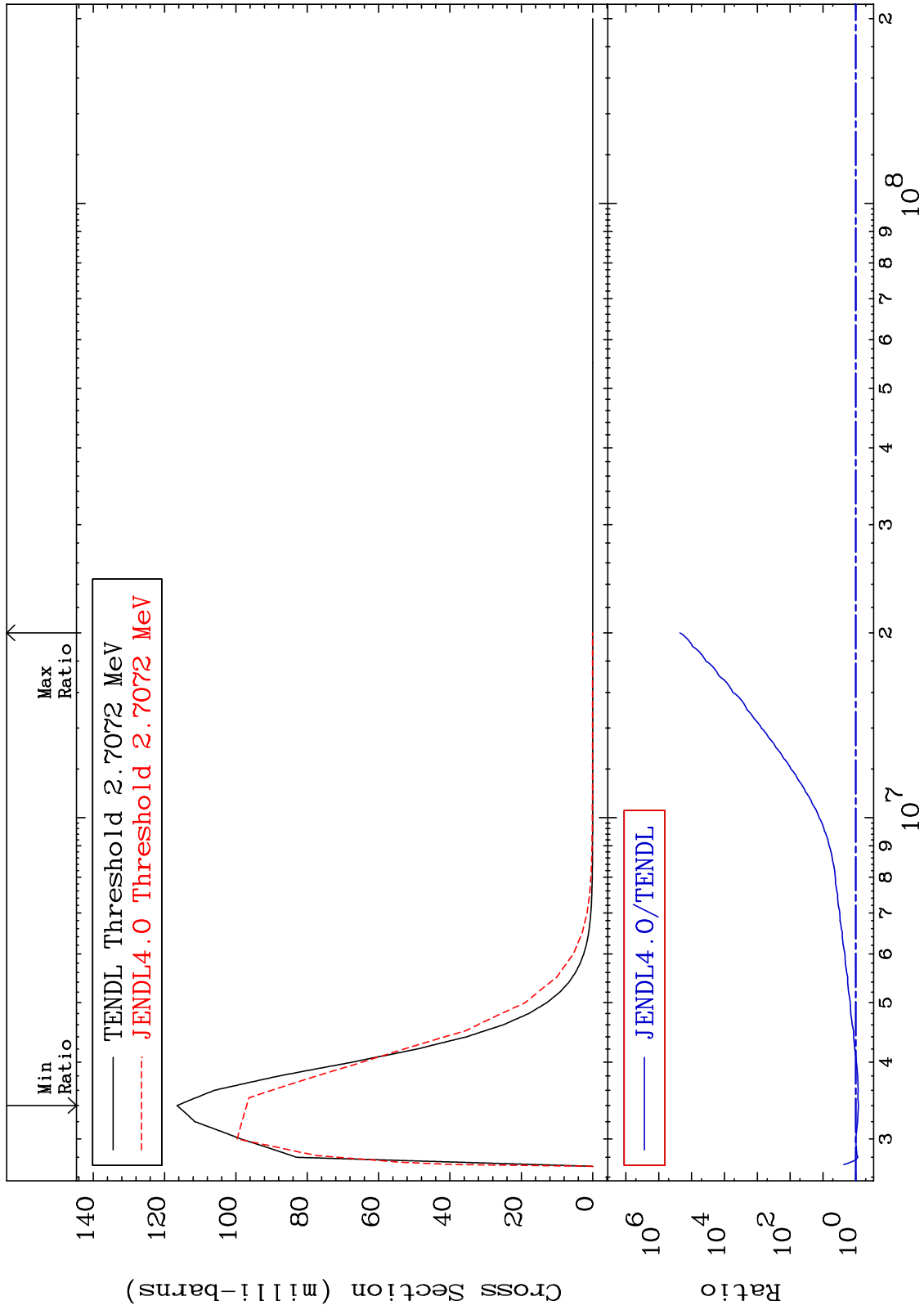
MAT 6225

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

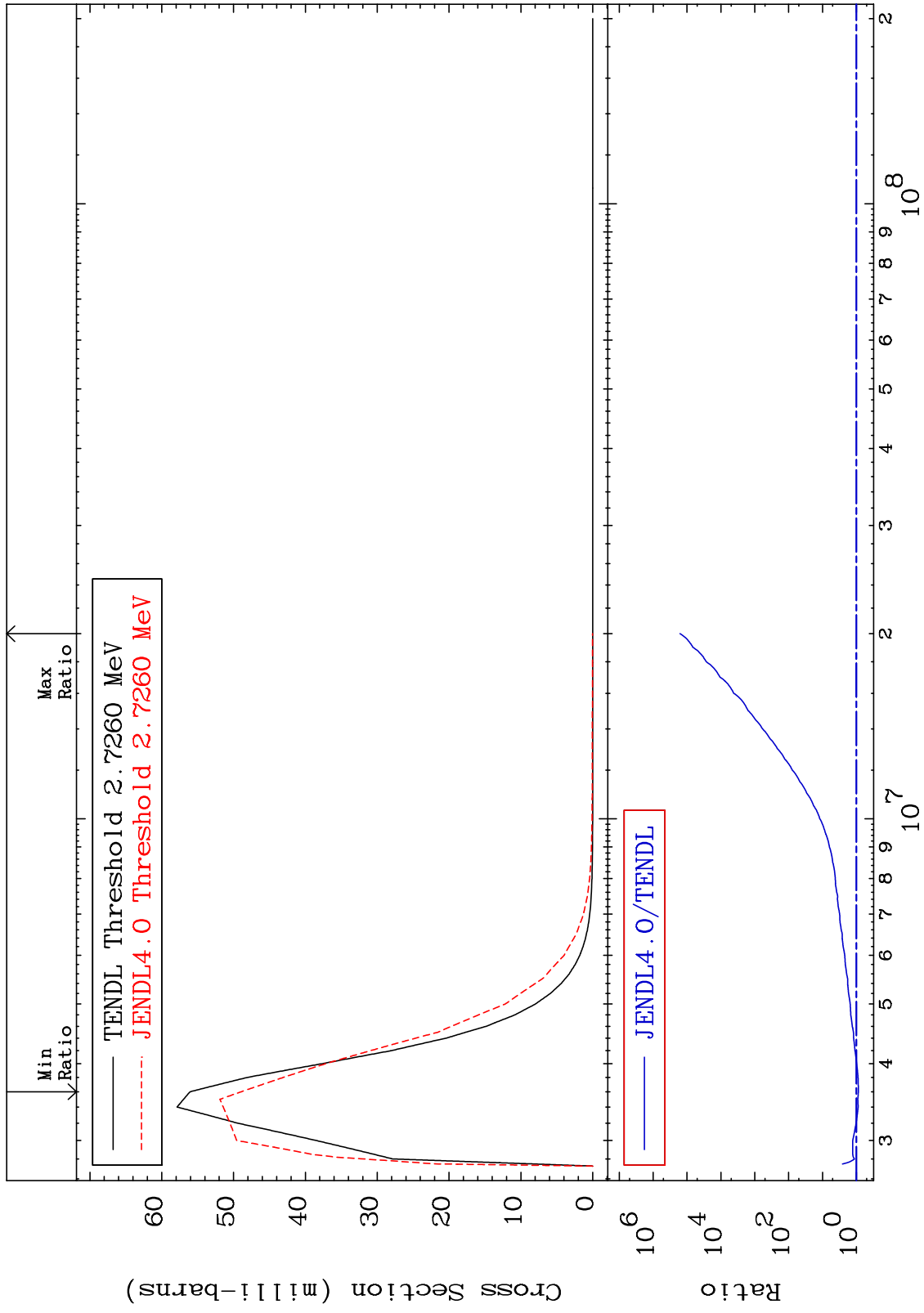
62-Sm-144
-97.04 To 149.2 %



MAT 6225 MT= 62 (n,n') Level 62-Sm-144
 Cross Section -16.75 To 9999. %



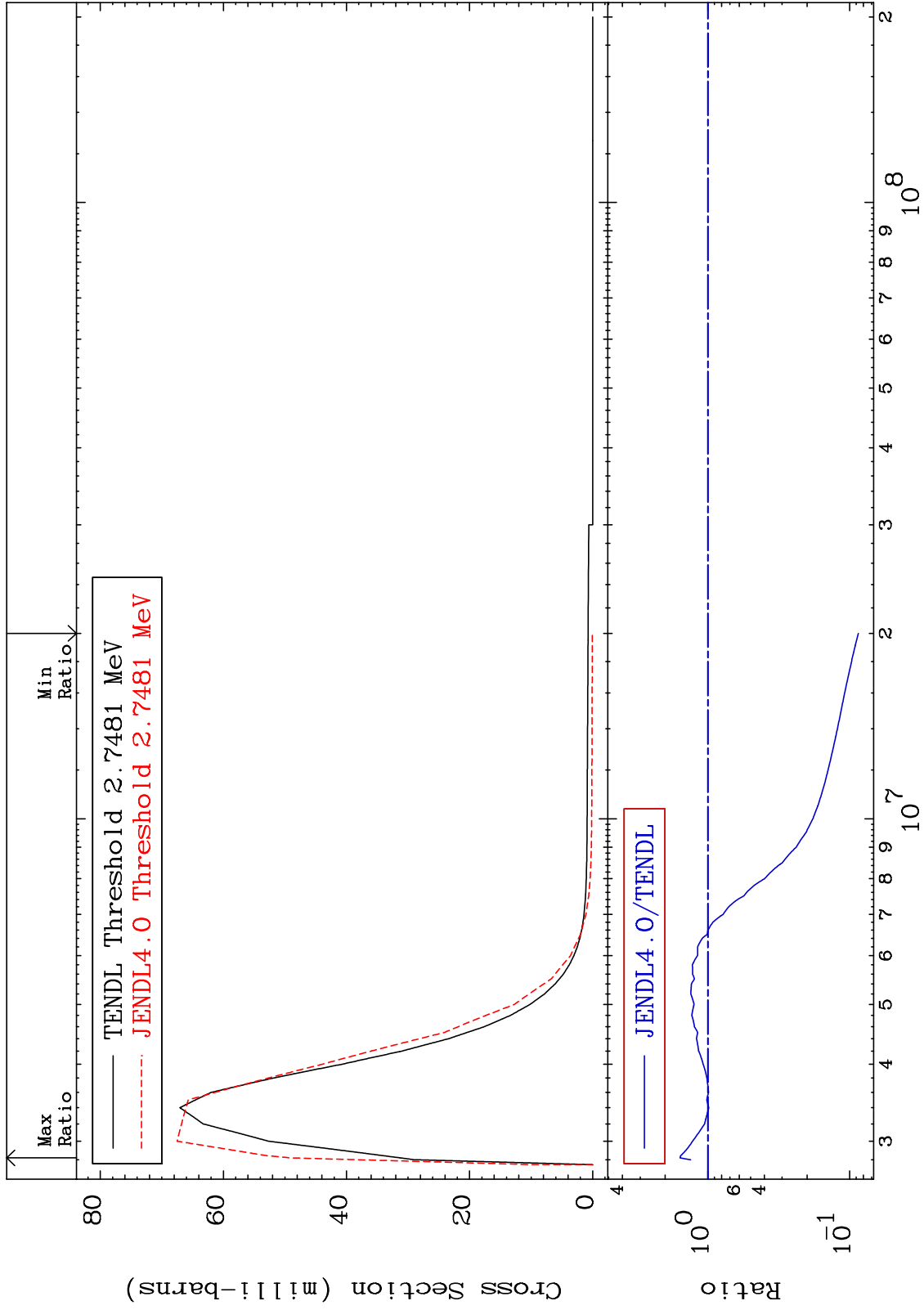
MAT 6225 MT= 63 (n,n') Level 62-Sm-144
 Cross Section -12.69 To 9999. %



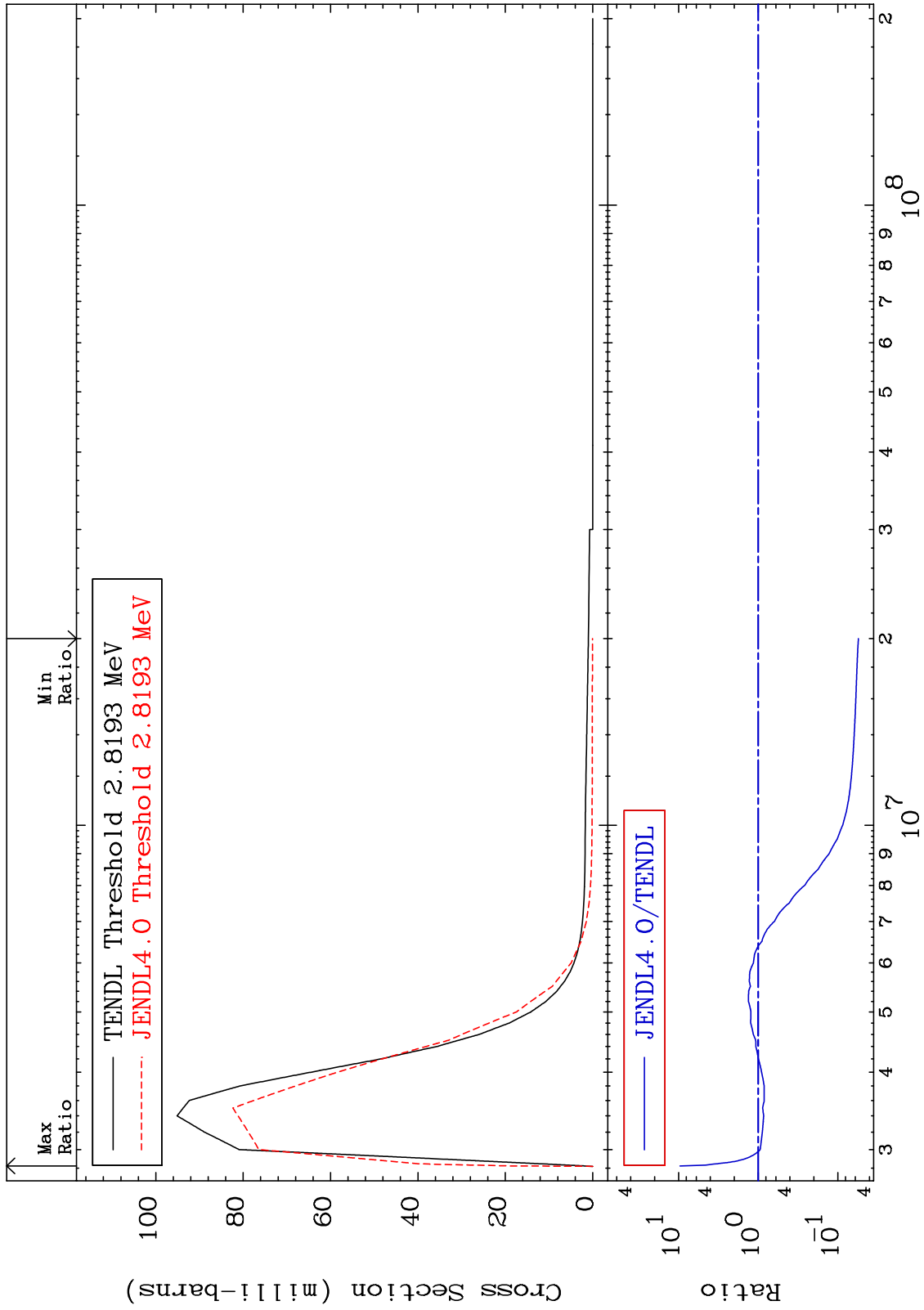
MAT 6225

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

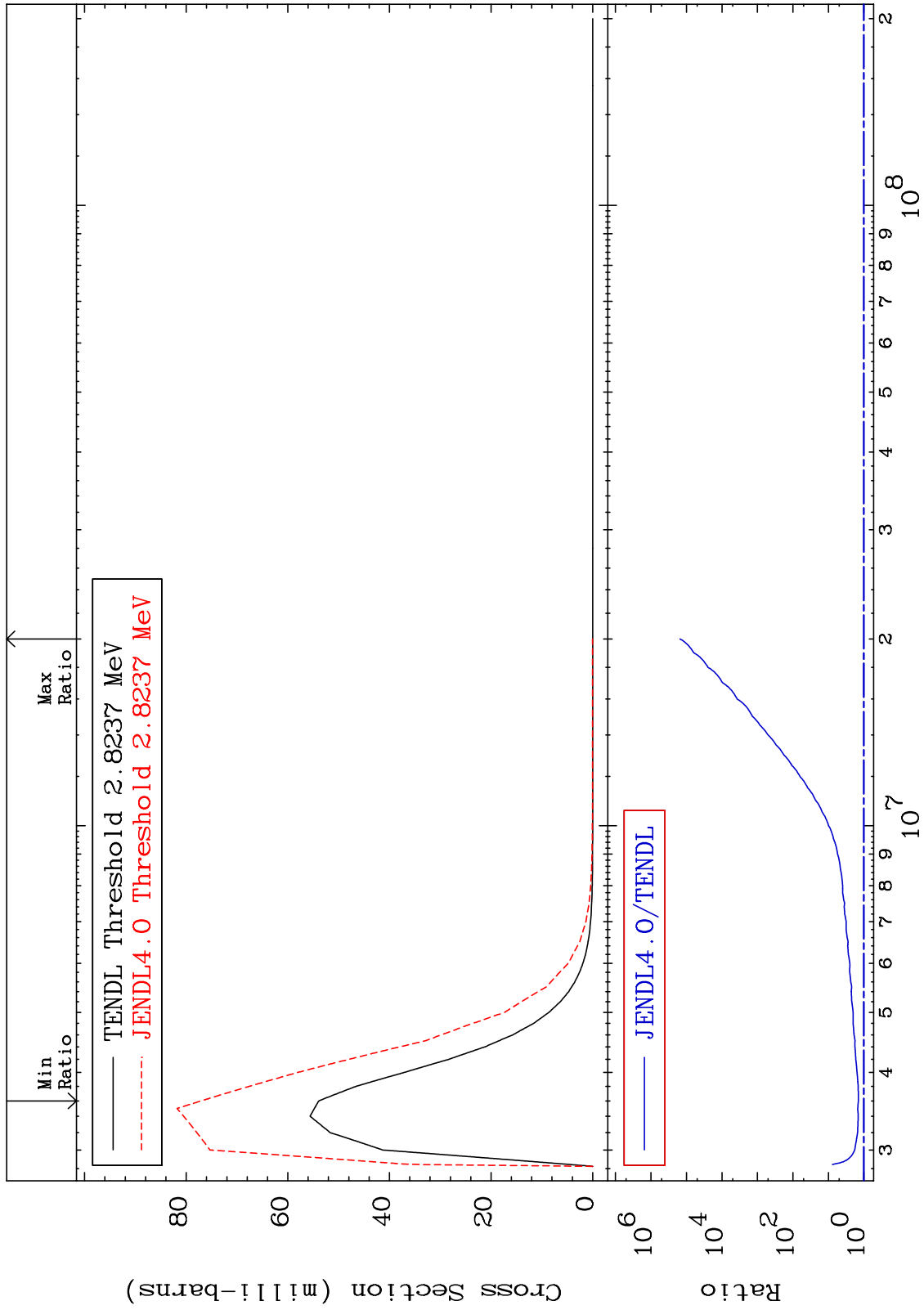
62-Sm-144
-91.32 To 57.08 %



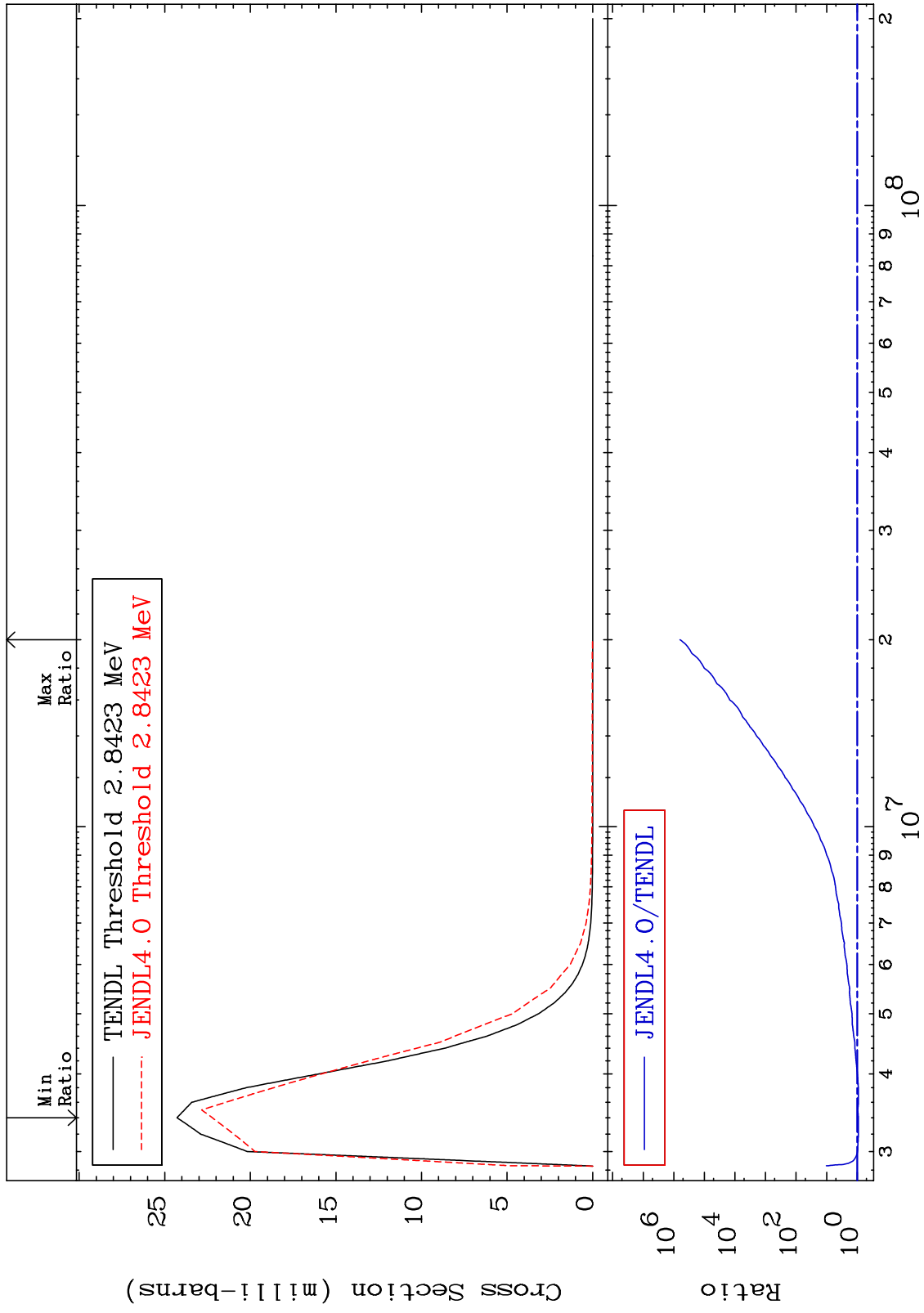
MAT 6225 MT= 65 (n,n') Level Cross Section 62-Sm-144 -94.50 To 860.5 %



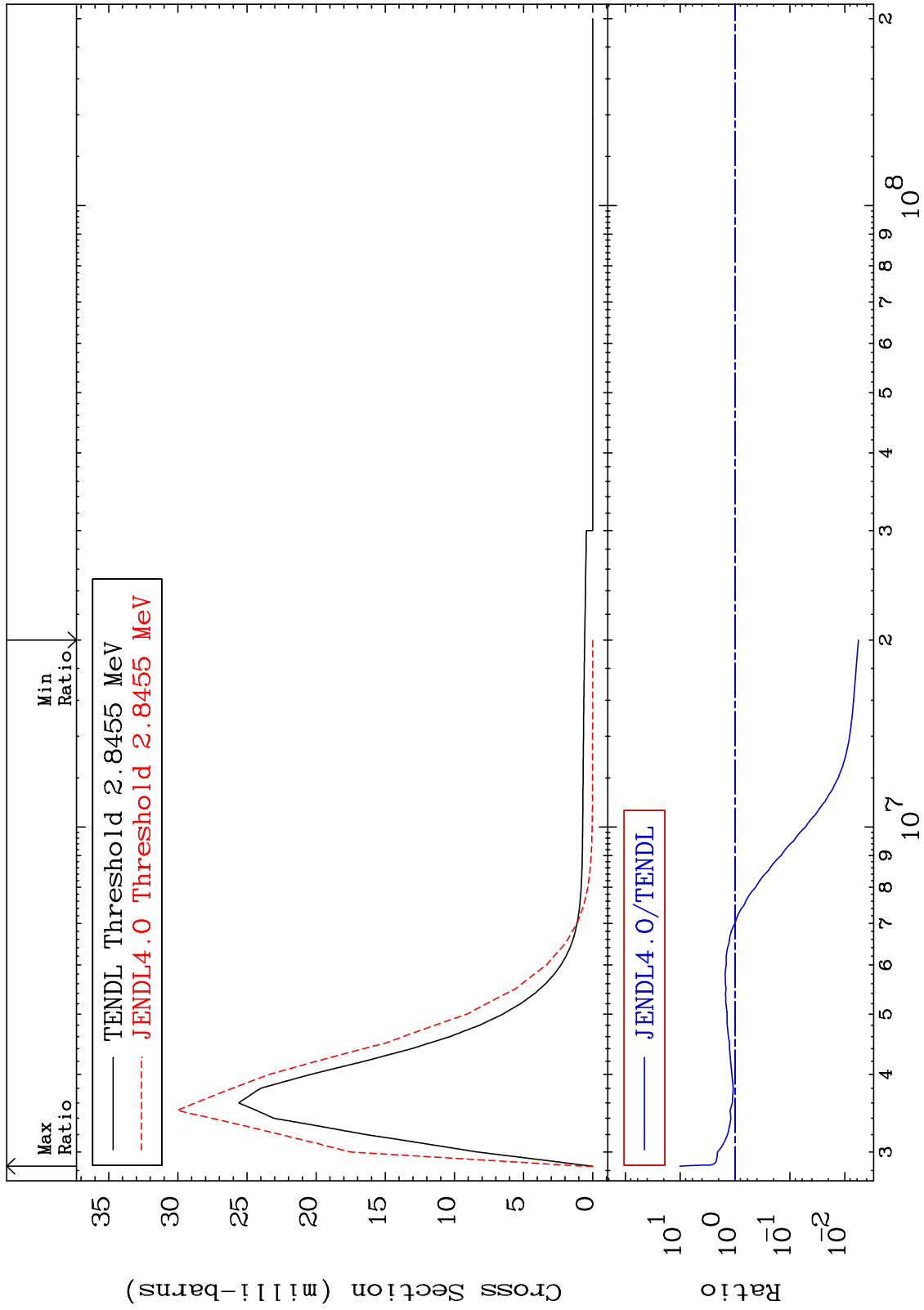
MAT 6225 MT= 66 (n,n') Level Cross Section 62-Sm-144 42.91 To 9999. %



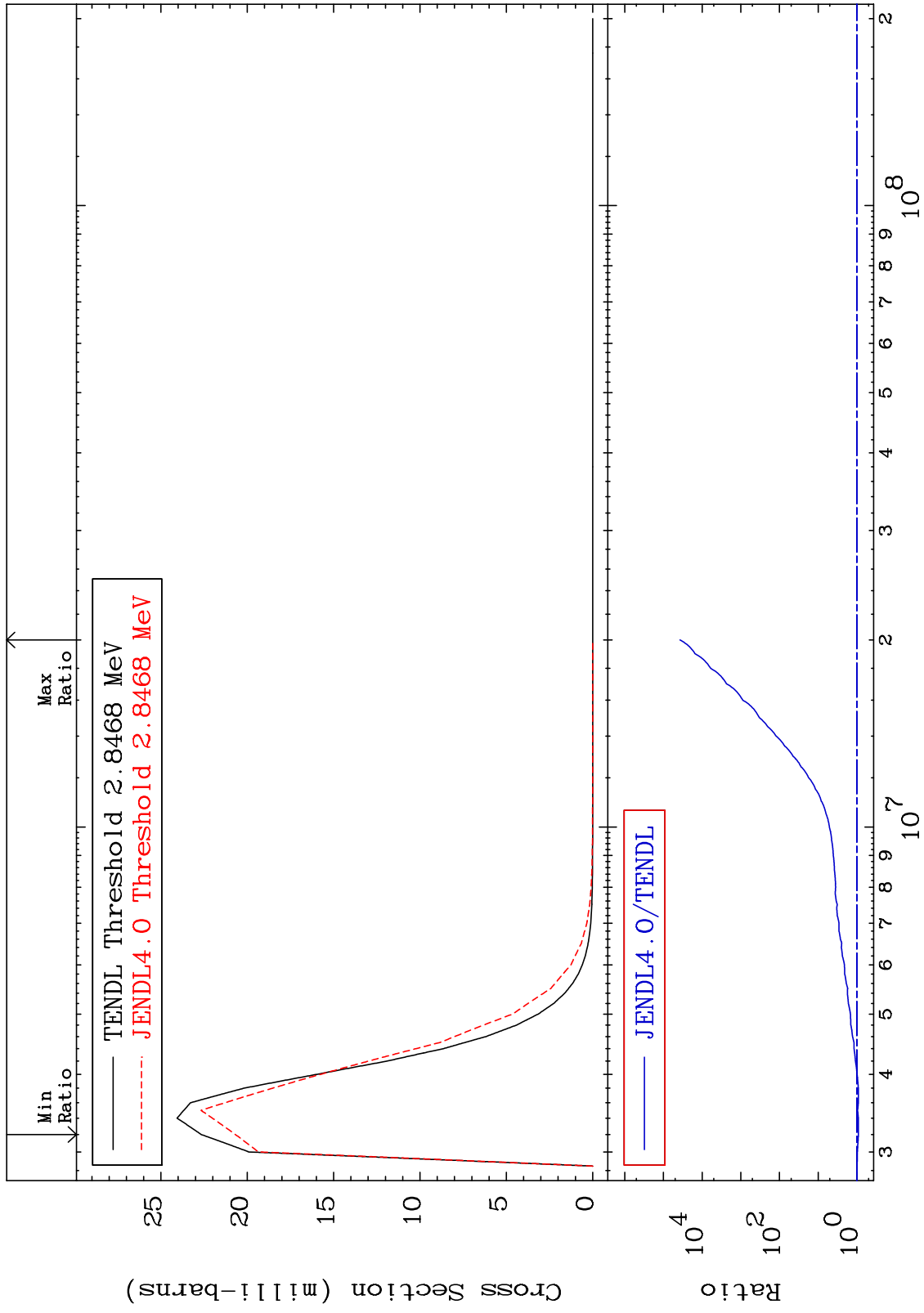
MAT 6225 MT= 67 (n,n') Level 62-Sm-144
 Cross Section -8.485 To 9999. %



MAT 6225 MT= 68 (n,n') Level Cross Section 62-Sm-144 -99.43 To 909.8 %



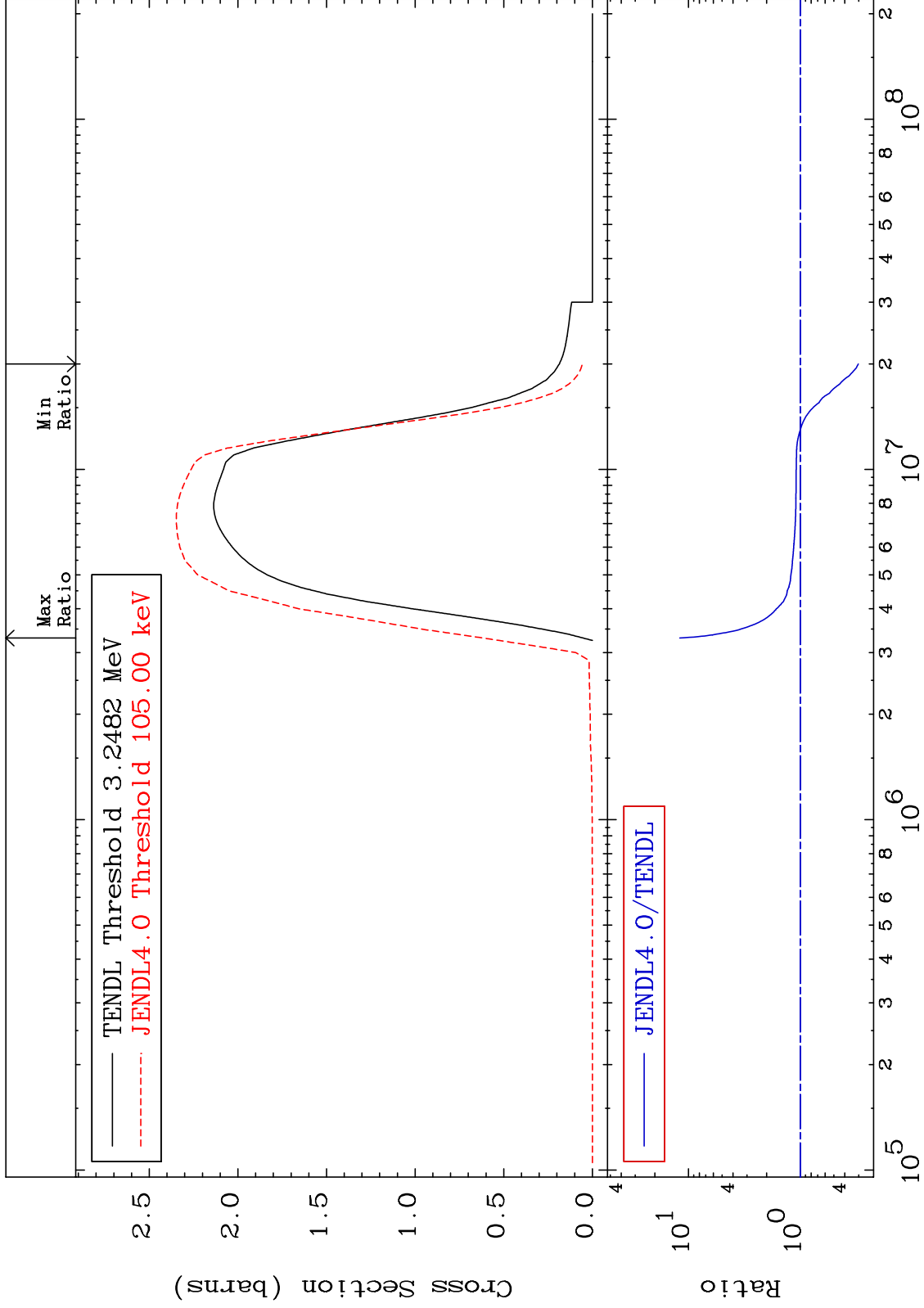
MAT 6225 MT= 69 (n,n') Level 62-Sm-144
 Cross Section -8.718 To 9999. %



MAT 6225

(n,n') Continuum
Cross Section

62-Sm-144
-69.76 To 1096. %



29

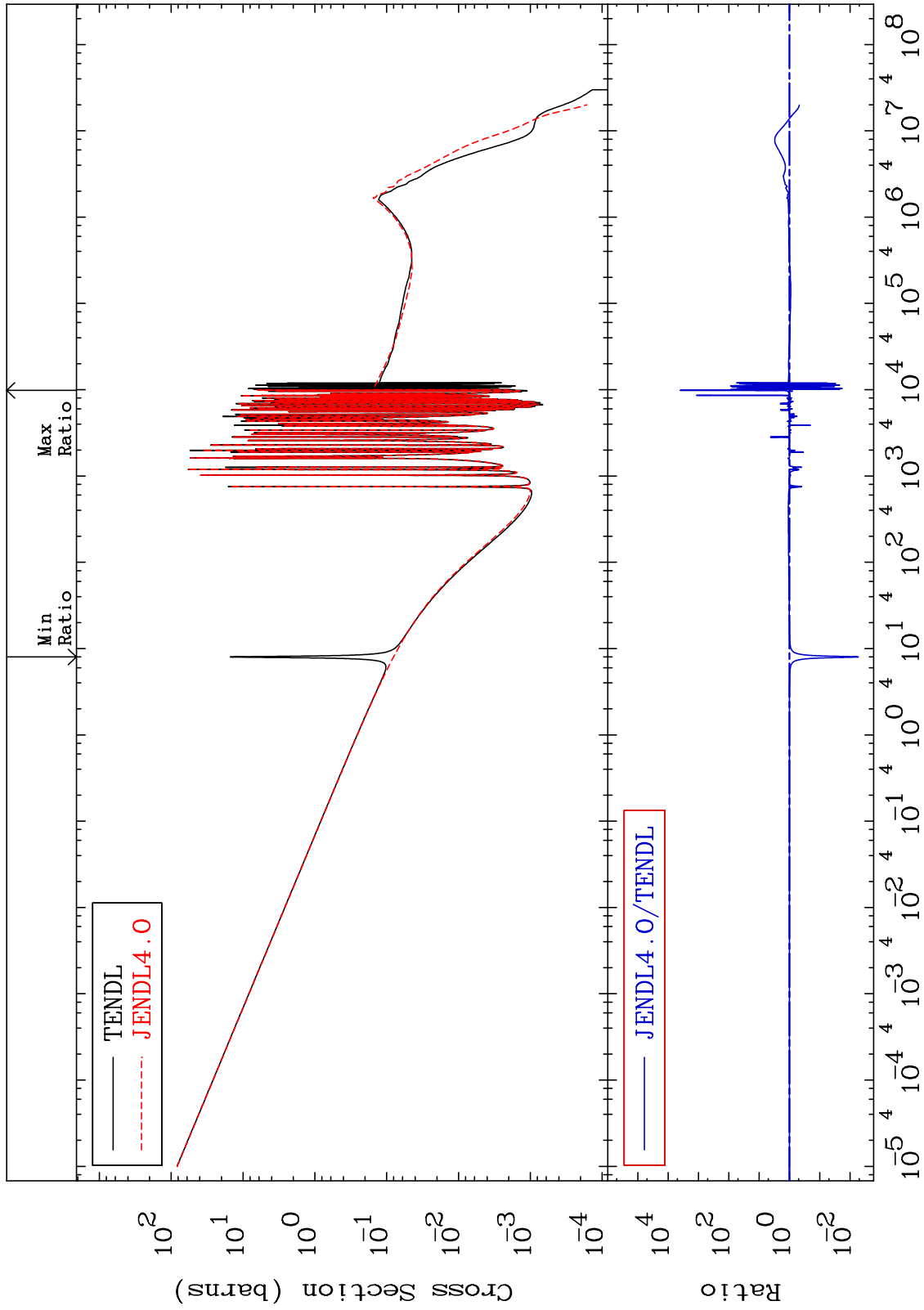
62-Sm-144

62-Sm-144

MAT 6225

(n, γ)
Cross Section

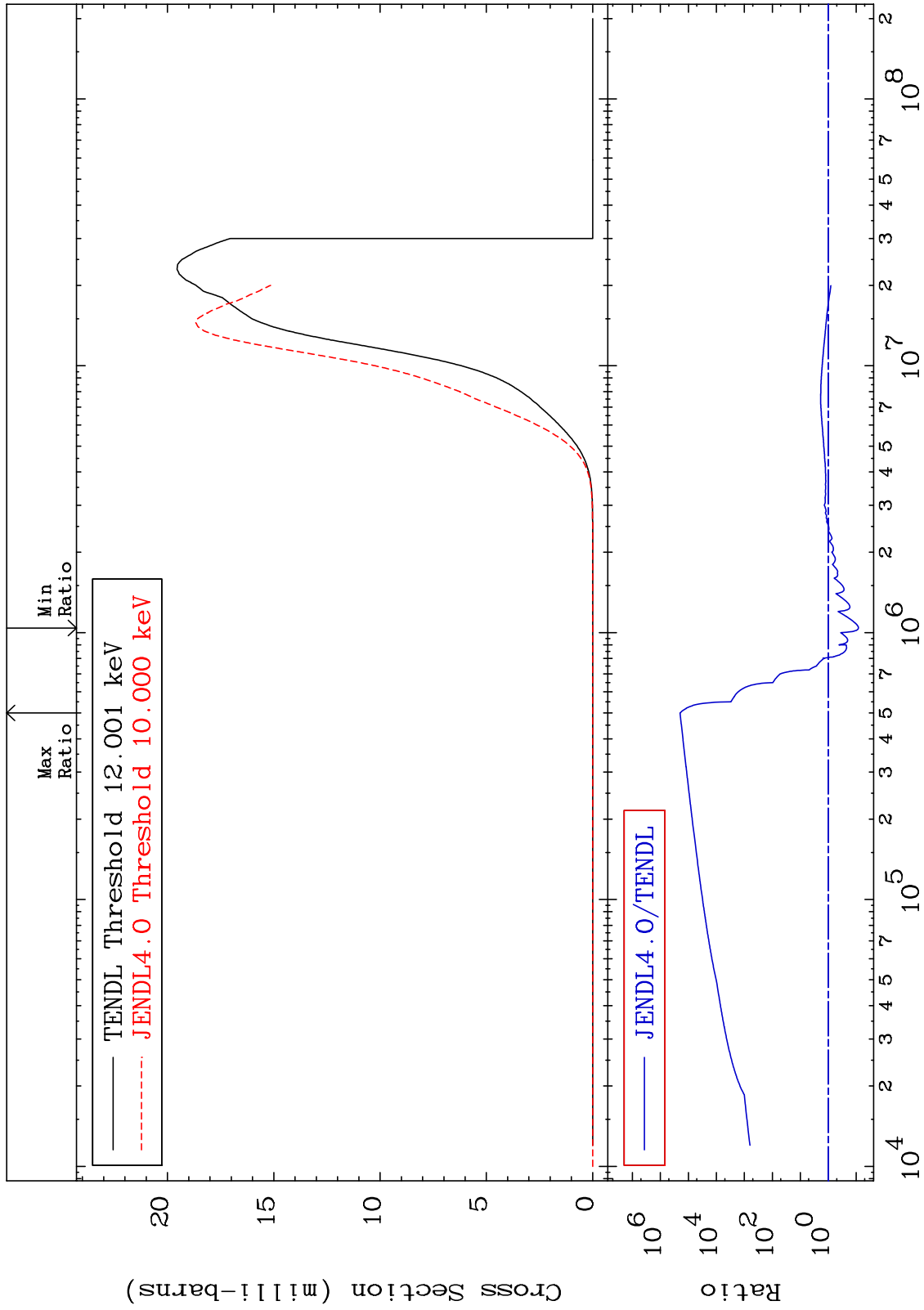
62-Sm-144
-99.47 To 9999. %



MAT 6225

(n, p)
Cross Section

62-Sm-144
-91.60 To 9999. %



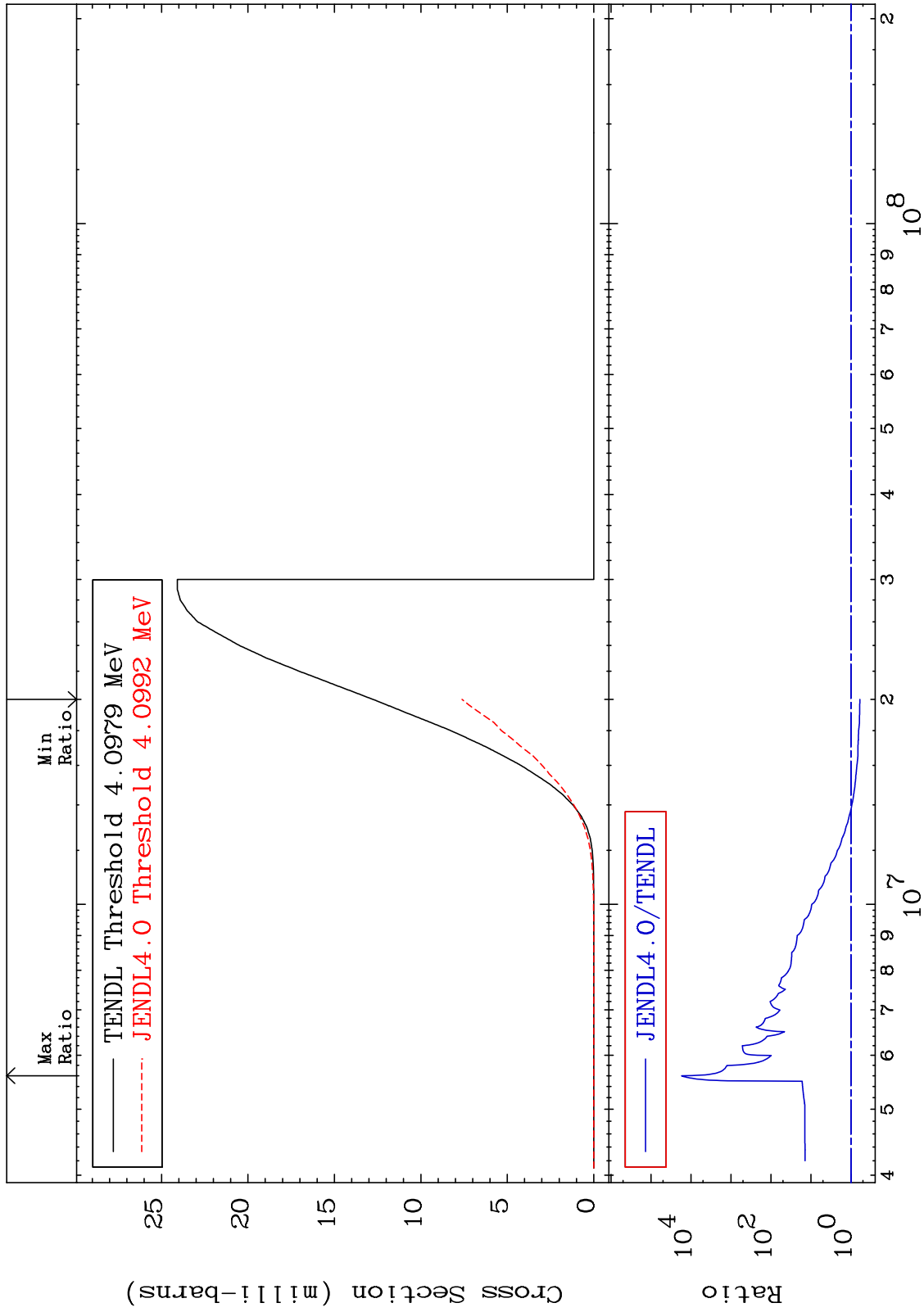
MAT 6225

(n, d)

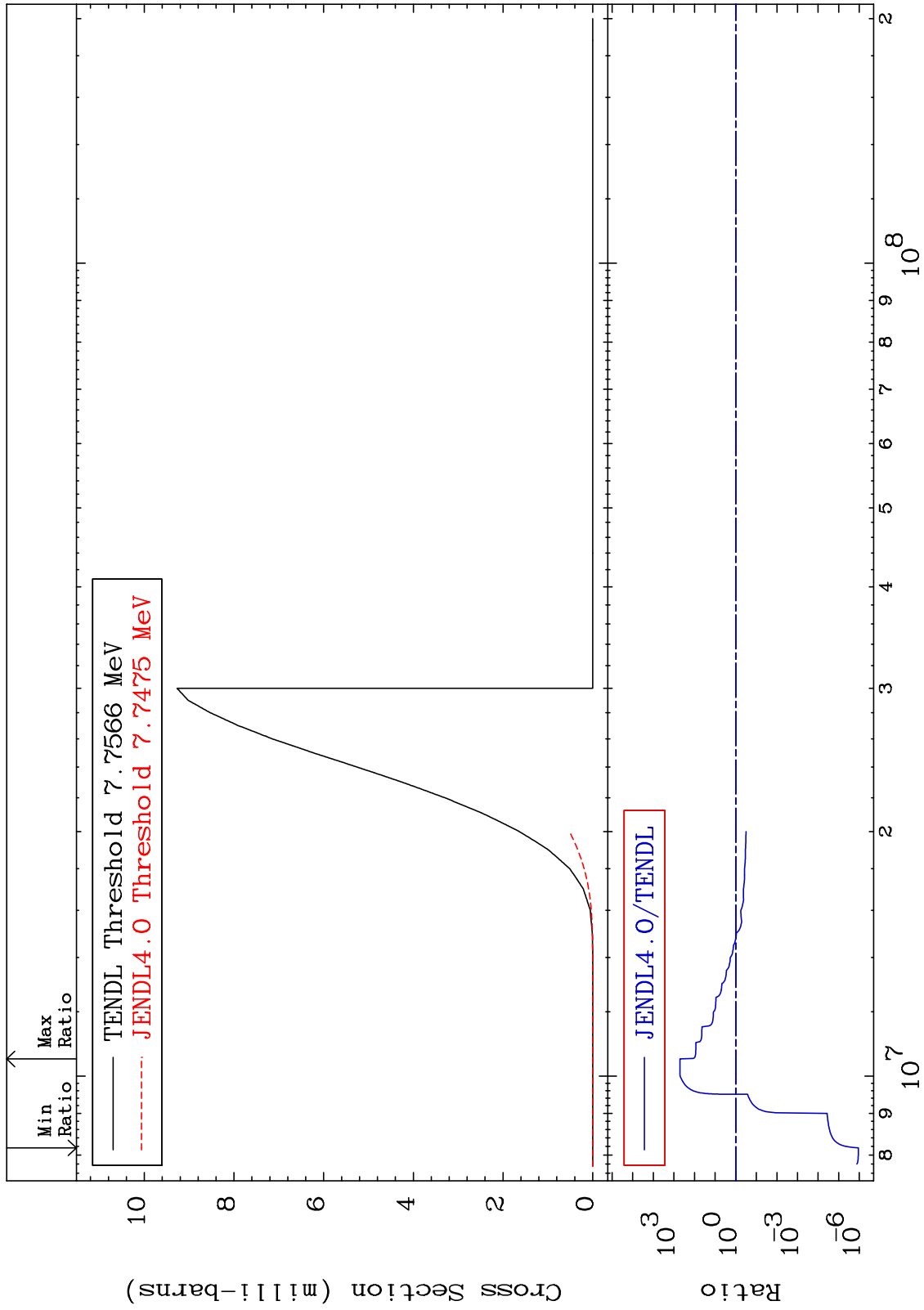
62-Sm-144

Cross Section

-40.38 To 9999. %



MAT 6225 (n, t) Cross Section 62-Sm-144 -100.0 To 9999. %



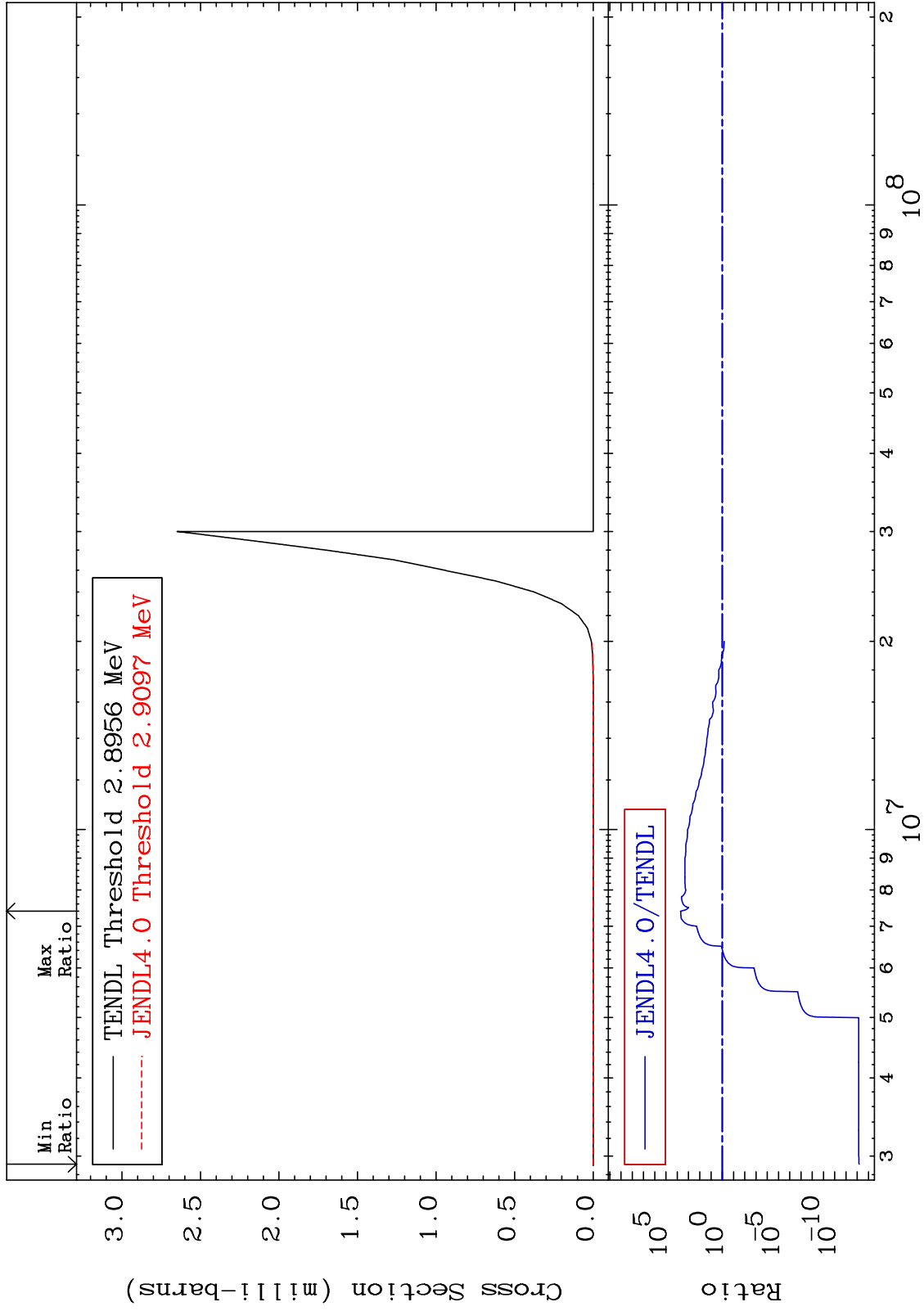
MAT 6225

(n, He-3)

62-Sm-144

Cross Section

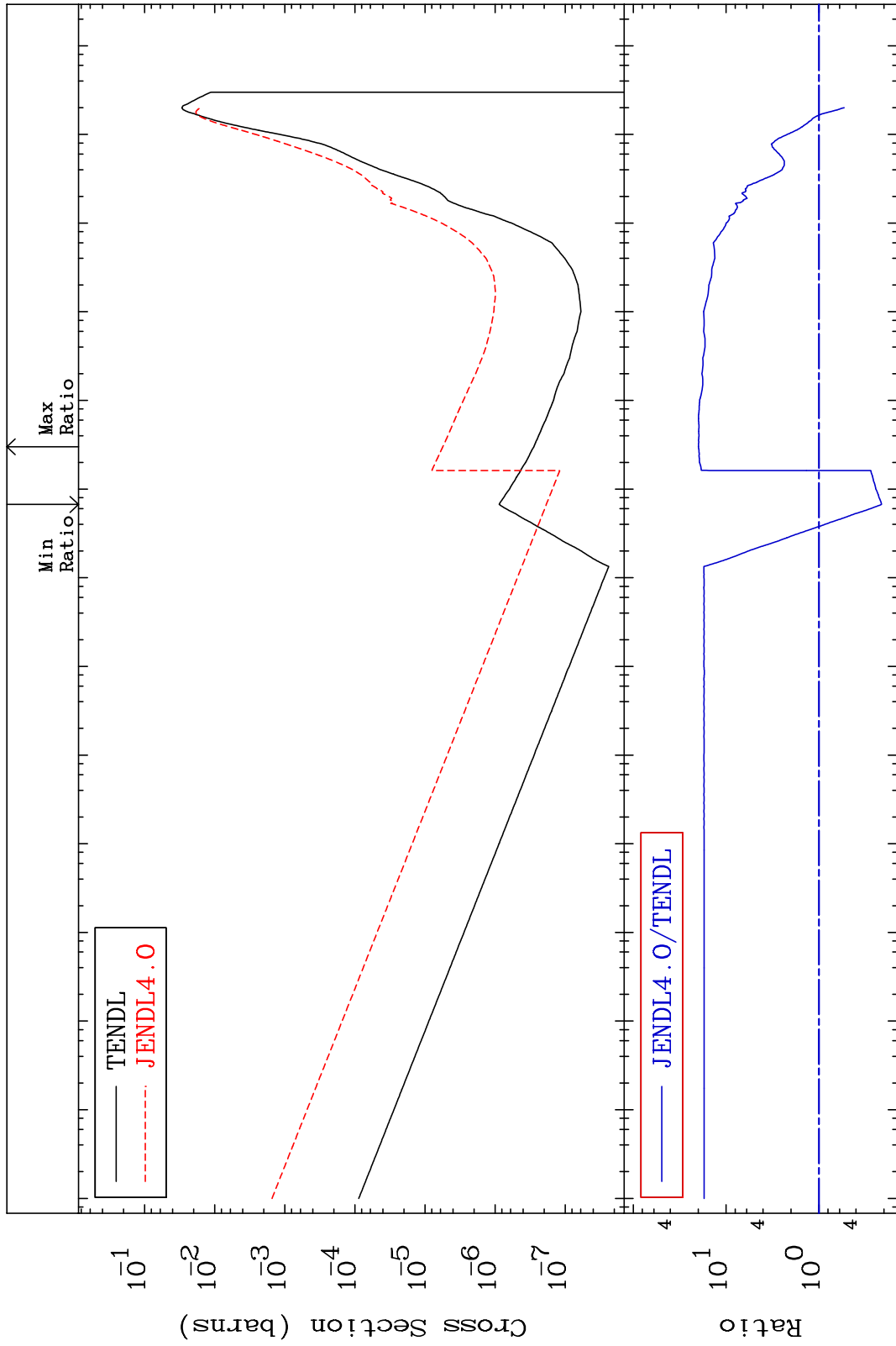
-100.0 To 9999. %



MAT 6225

(n, α)
Cross Section

62-Sm-144
-78.82 To 1892. %



35

Incident Energy (eV)

62-Sm-144

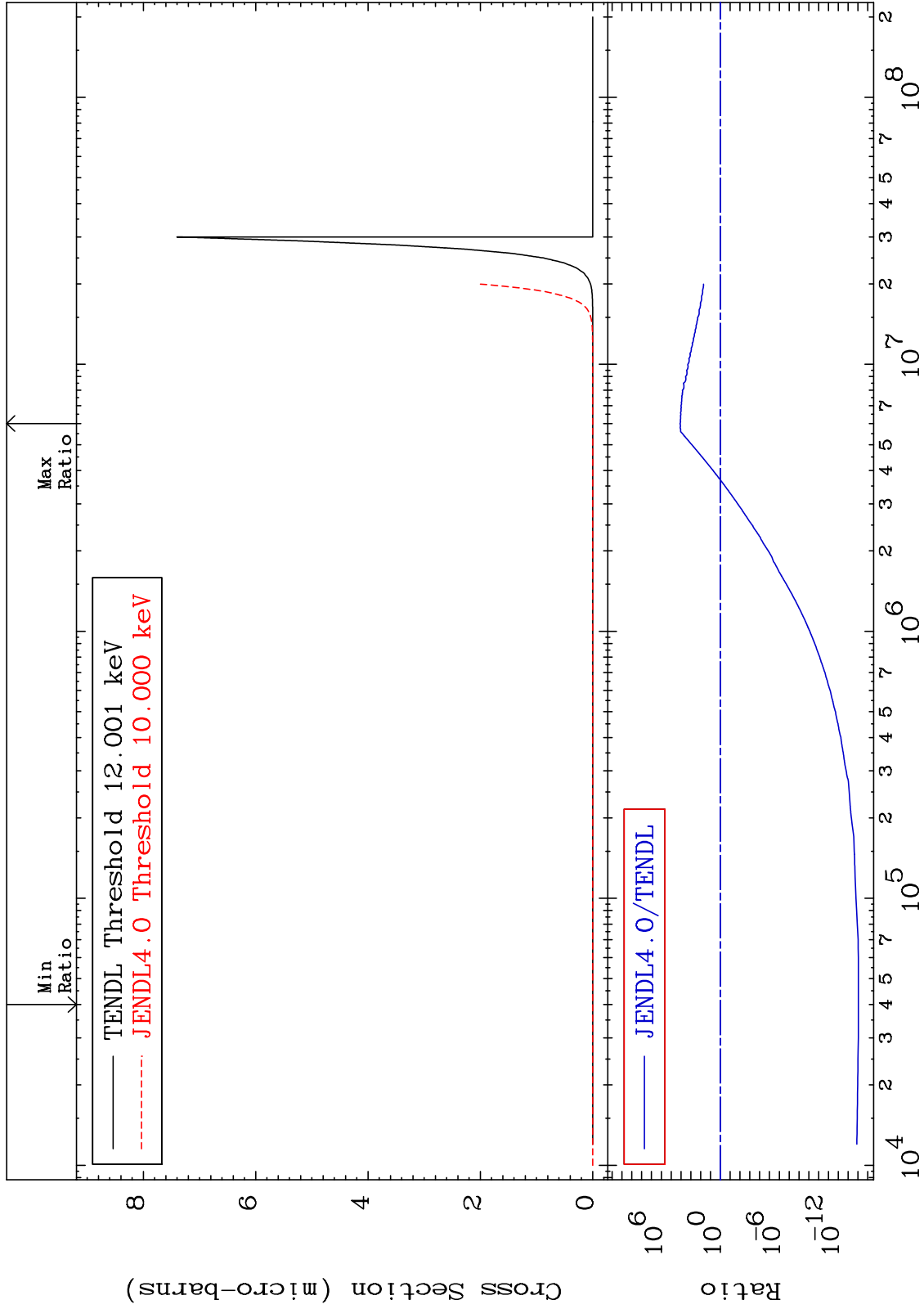
MAT 6225

(n,2α)

62-Sm-144

Cross Section

-100.0 To 9999. %



Incident Energy (eV)

62-Sm-144

36

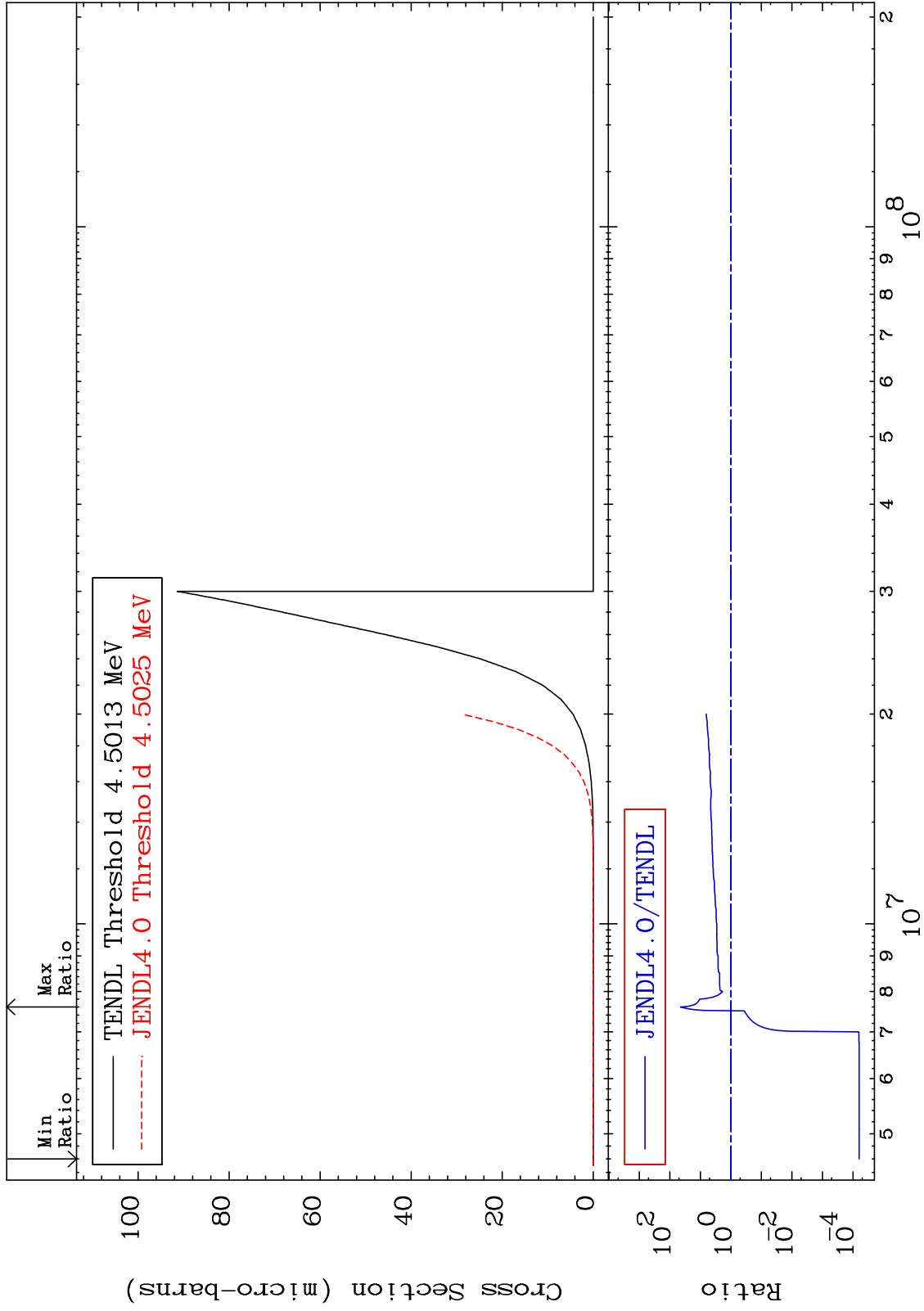
MAT 6225

(n,2p)

62-Sm-144

Cross Section

-99.99 To 4343. %



37

Incident Energy (eV)

62-Sm-144

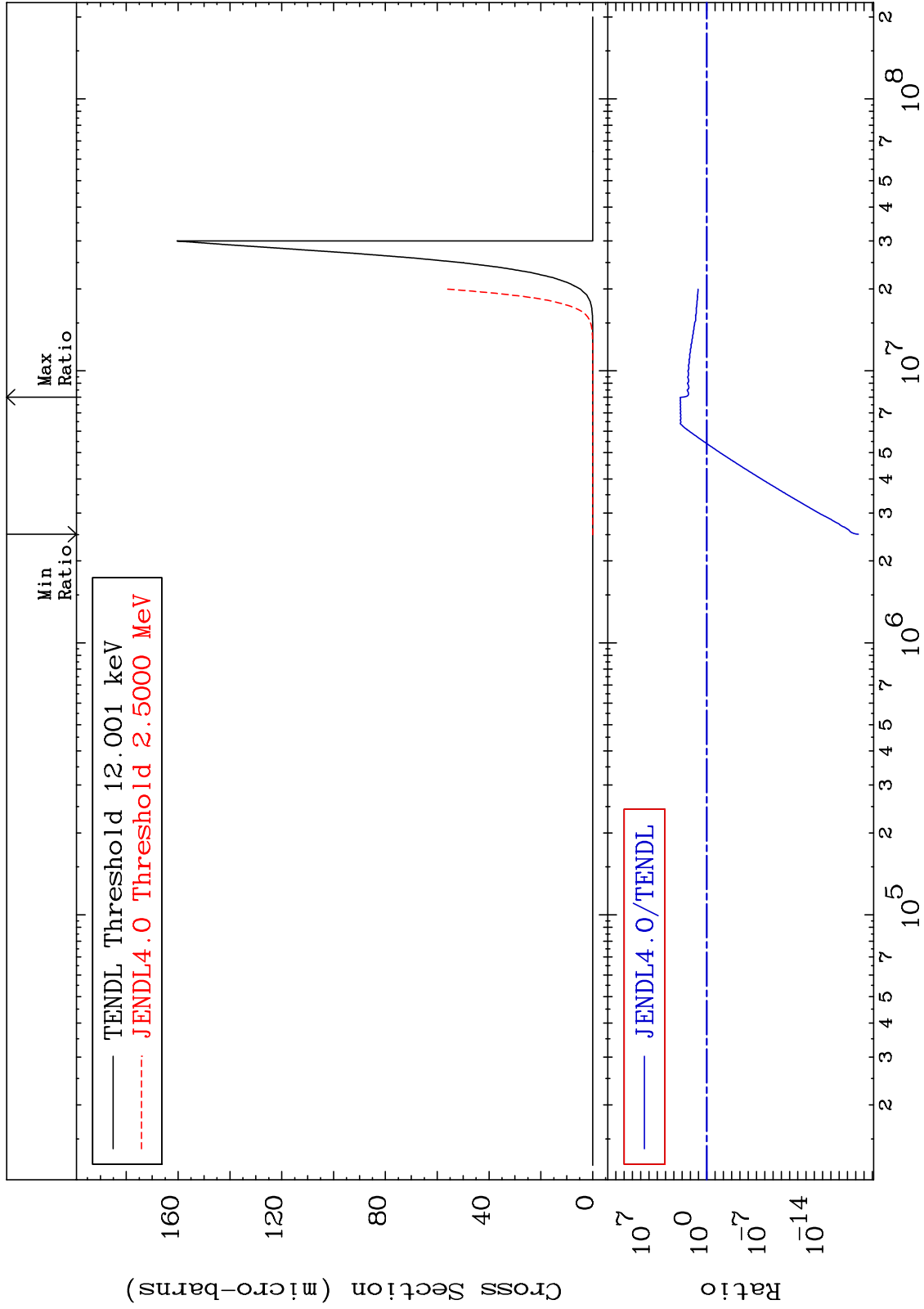
MAT 6225

(n,p) α

62-Sm-144

Cross Section

-100.0 To 9999. %



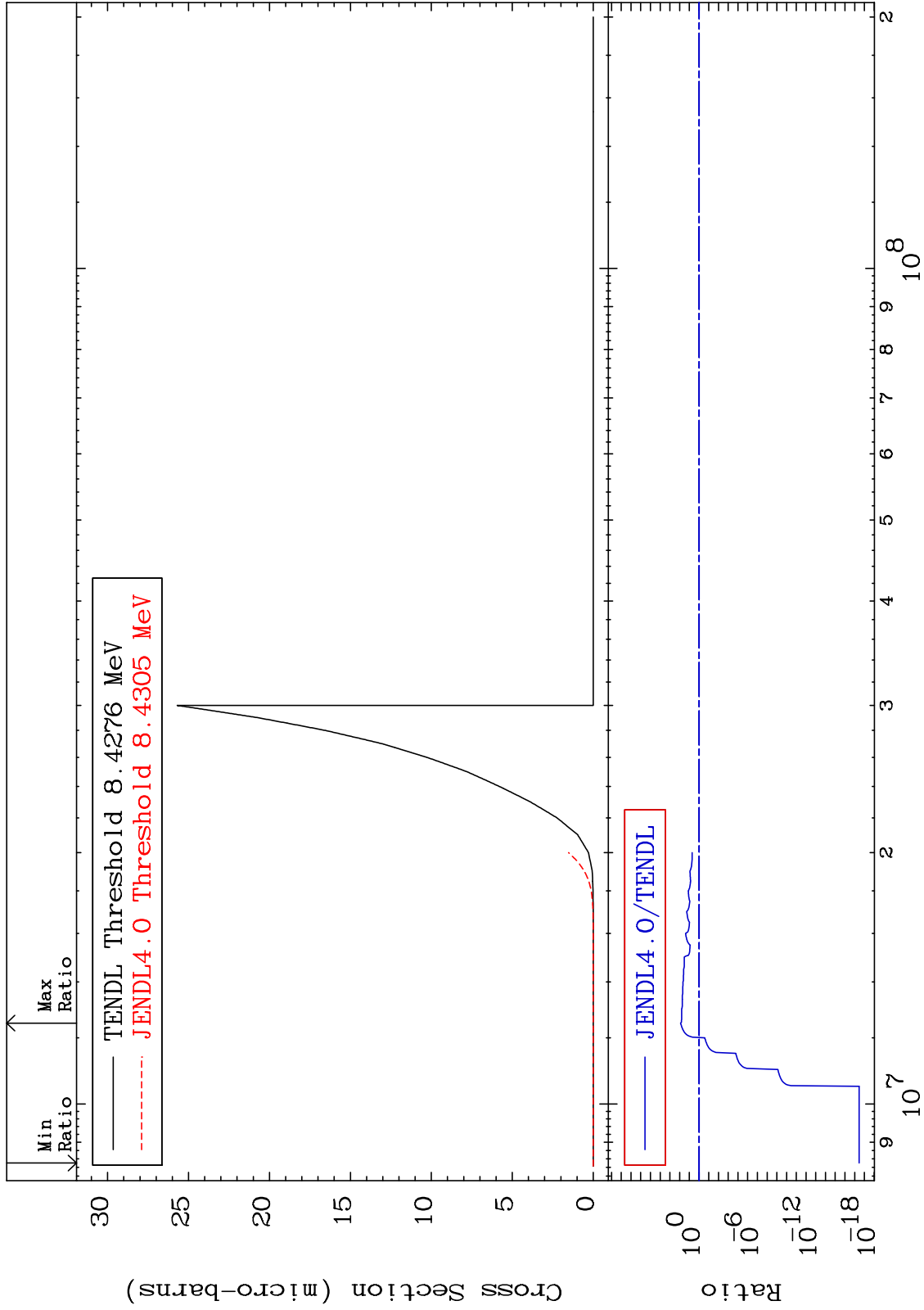
MAT 6225

(n,p) d

62-Sm-144

Cross Section

-100.0 To 7763. %



39

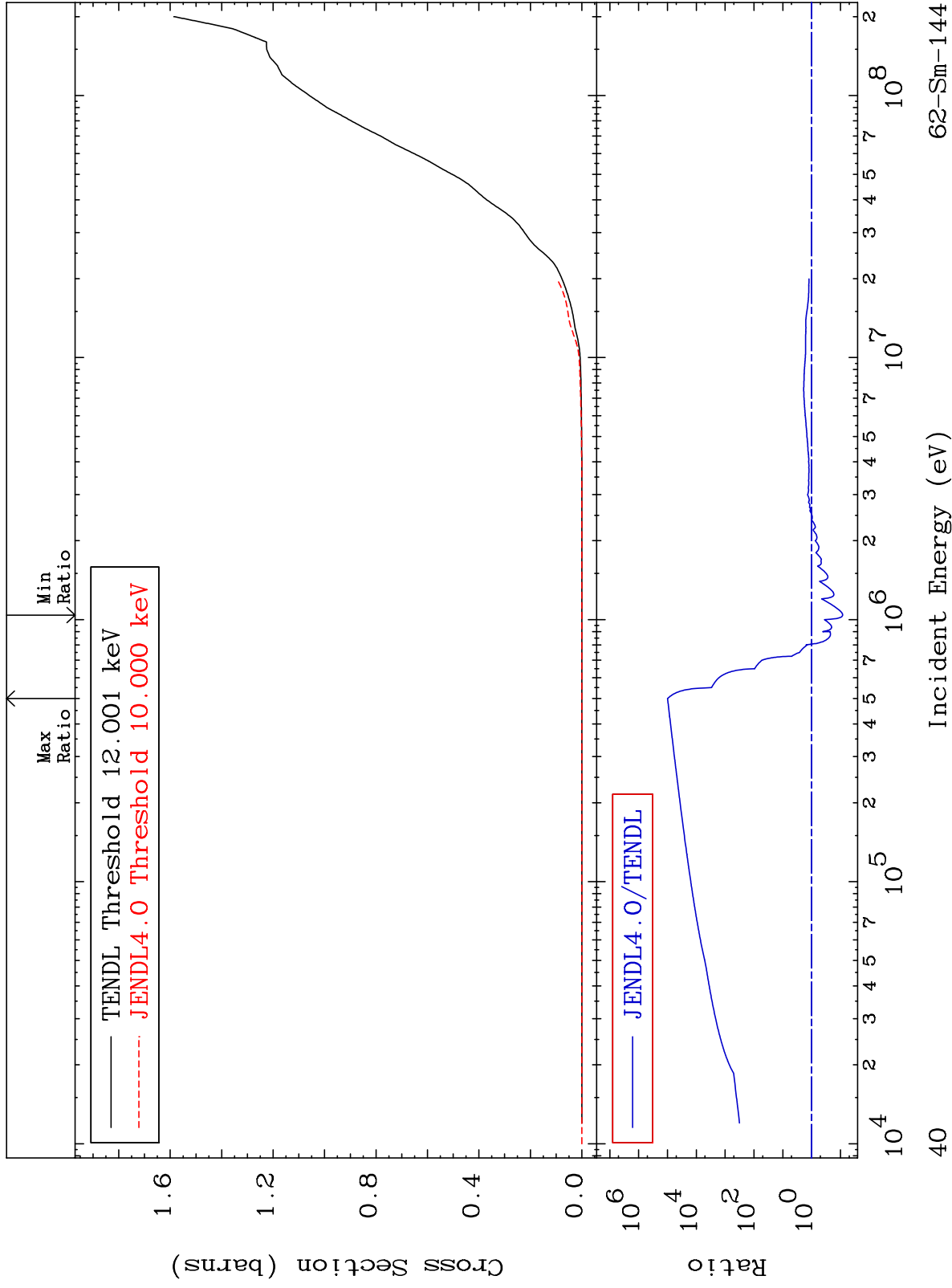
Incident Energy (eV)

62-Sm-144

MAT 6225

Hydrogen Production
Cross Section

62-Sm-144
-91.60 To 9999. %



62-Sm-144

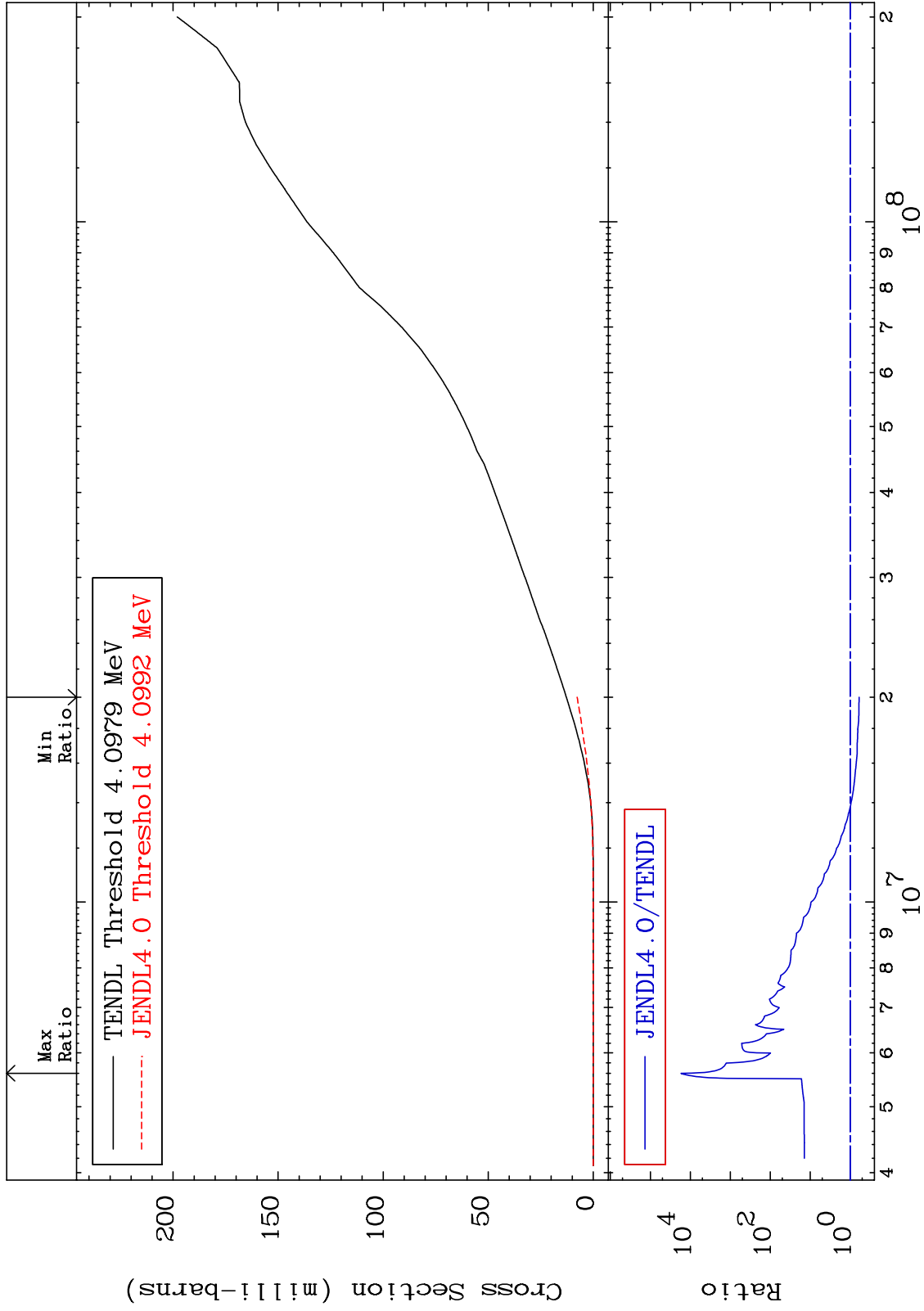
Incident Energy (eV)

40

MAT 6225

Deuterium Production
Cross Section

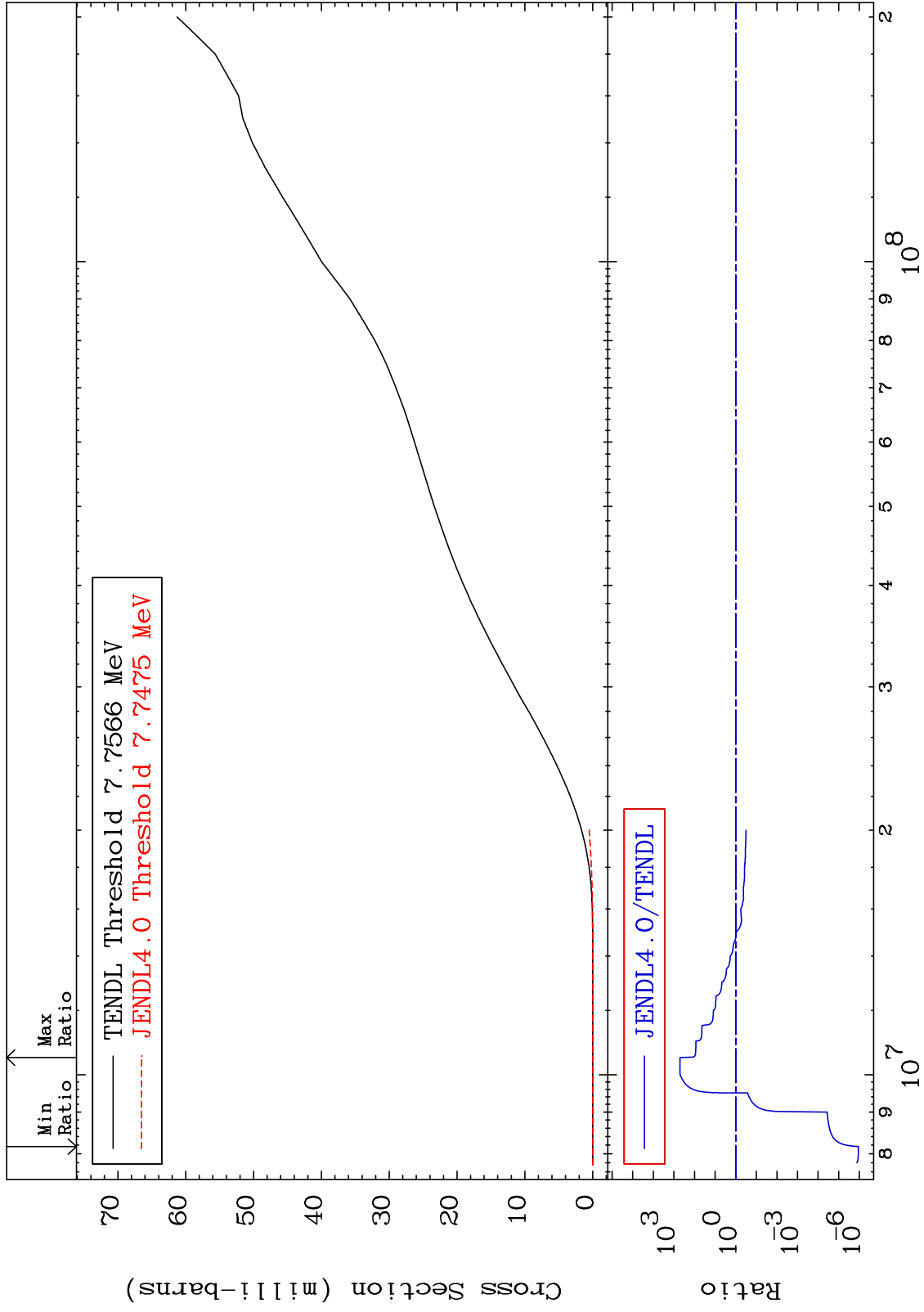
62-Sm-144
-40.26 To 9999. %



MAT 6225

Tritium Production
Cross Section

62-Sm-144
-100.0 To 9999. %



42

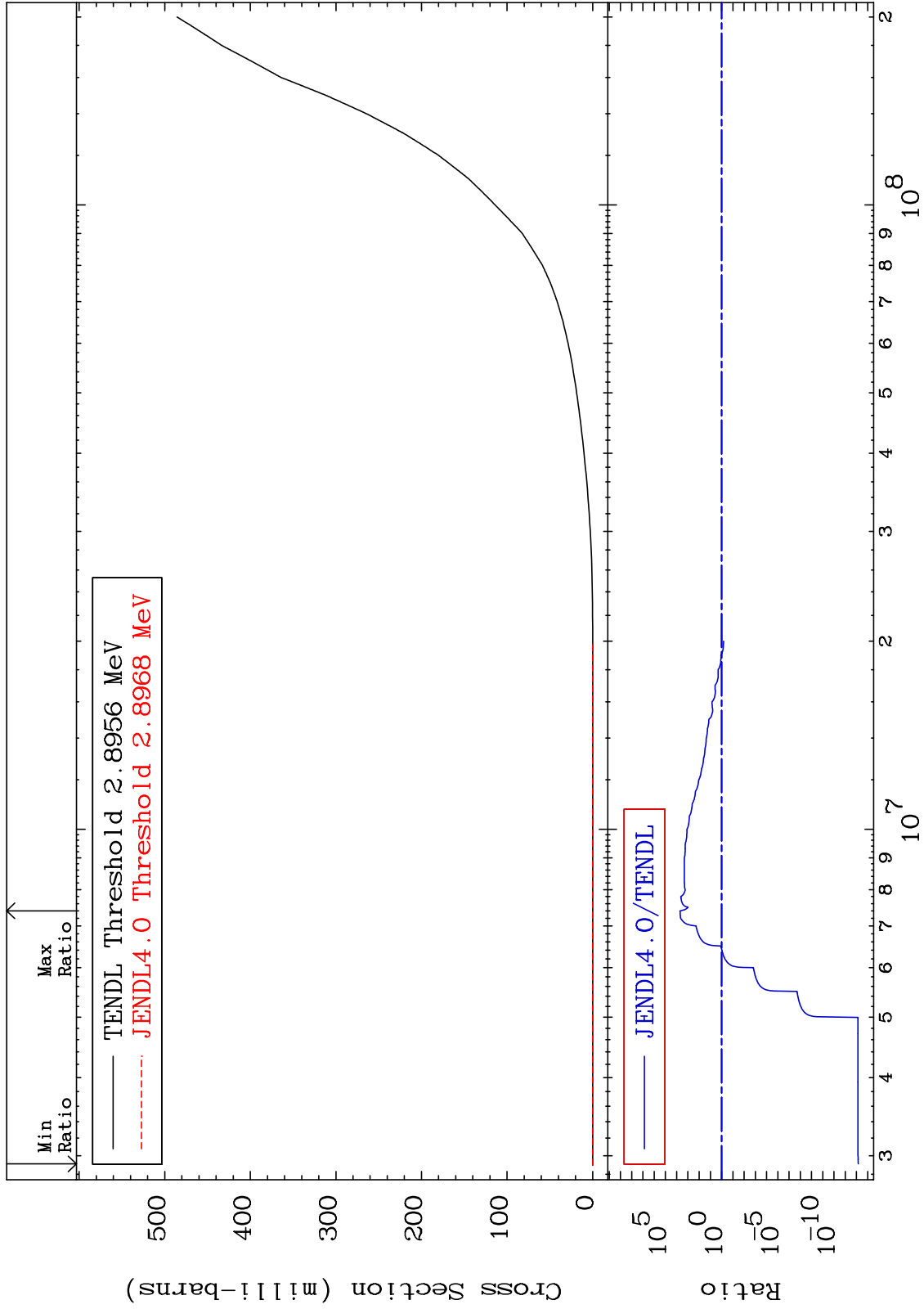
Incident Energy (eV)

62-Sm-144

MAT 6225

He-3 Production
Cross Section

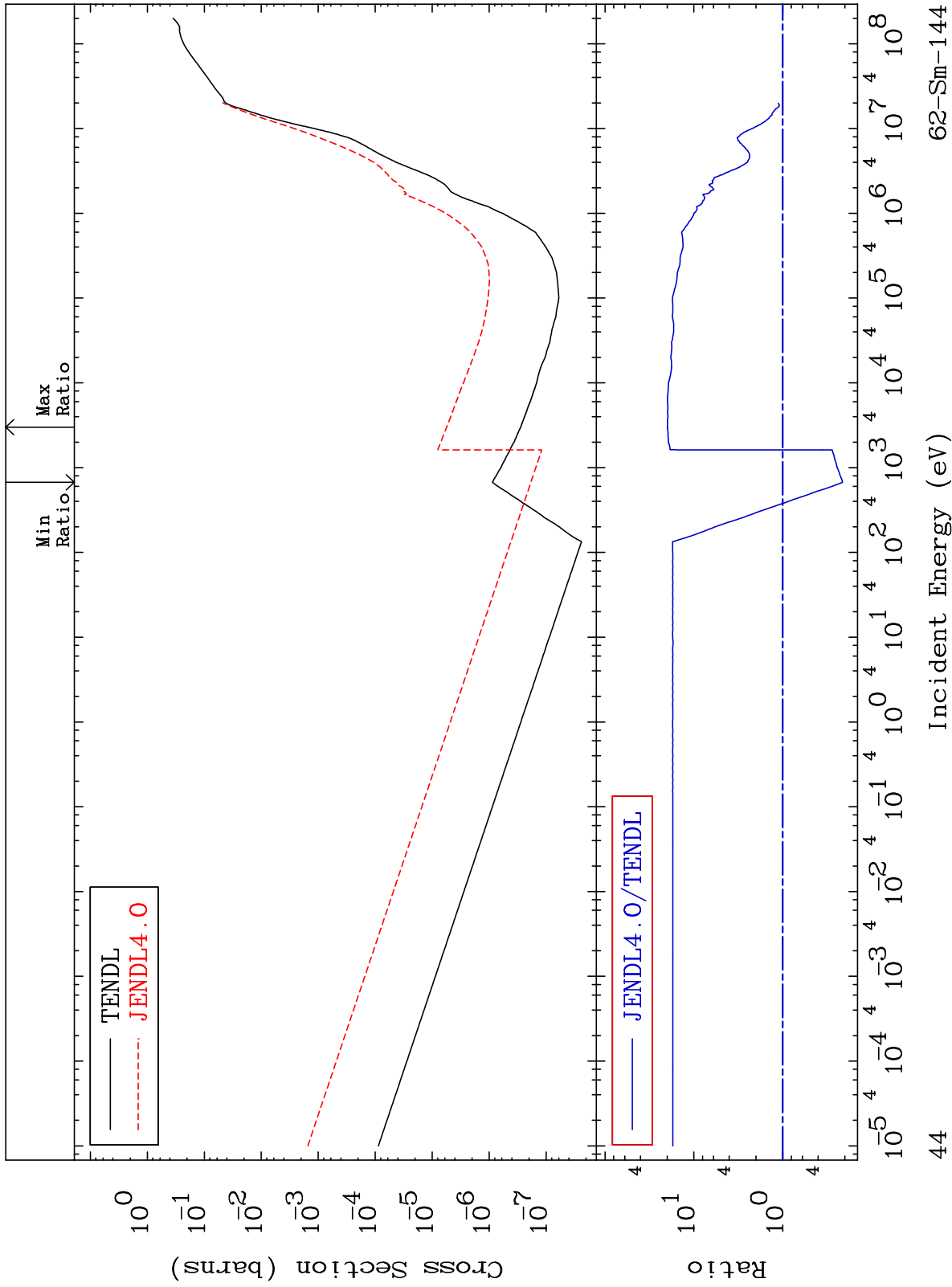
62-Sm-144
-100.0 To 9999. %



MAT 6225

He-4 Production
Cross Section

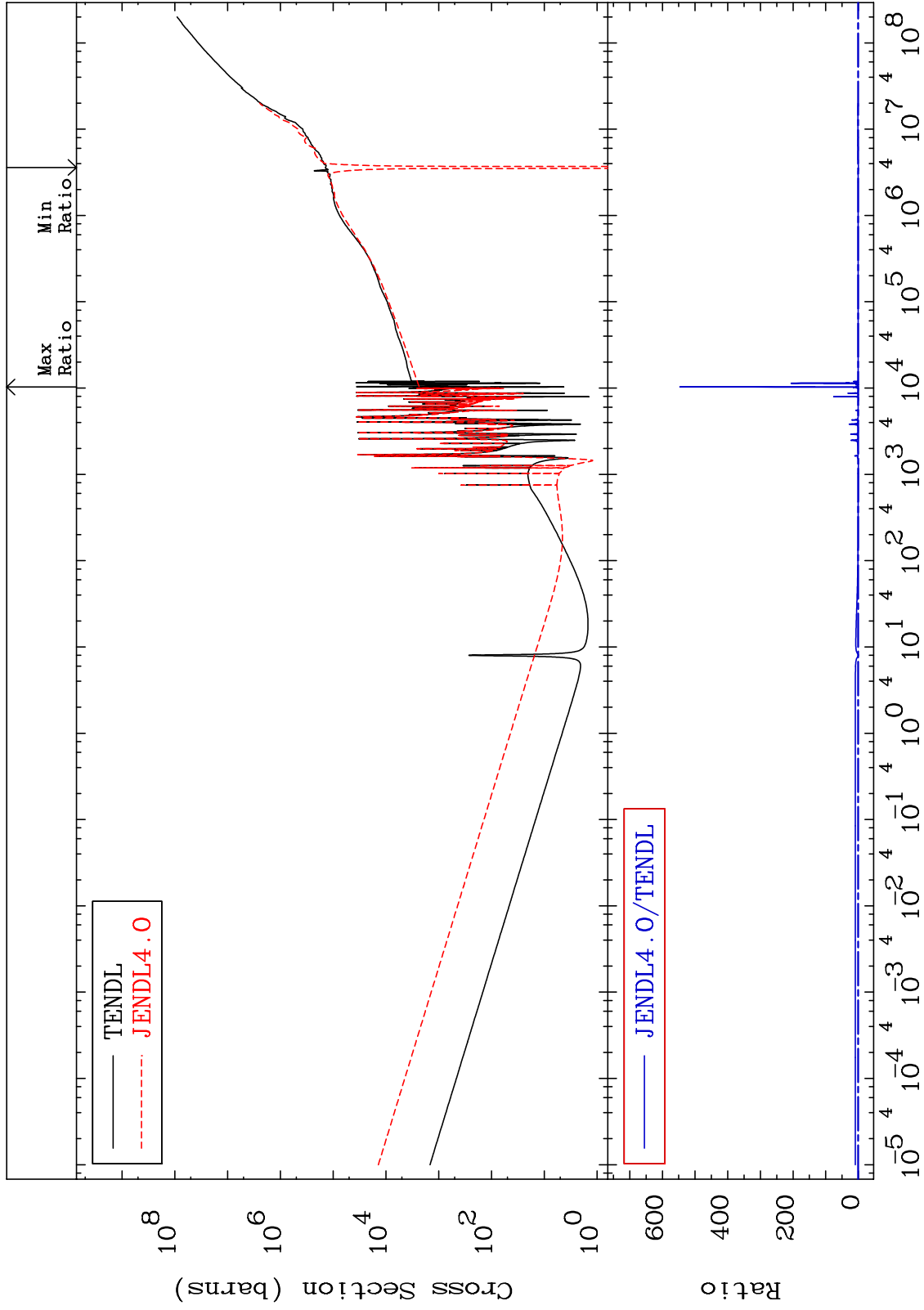
62-Sm-144
-78.82 To 1892. %



MAT 6225

Kerma total (eV-barns)
Cross Section

62-Sm-144
-105.3 To 9999. %



45

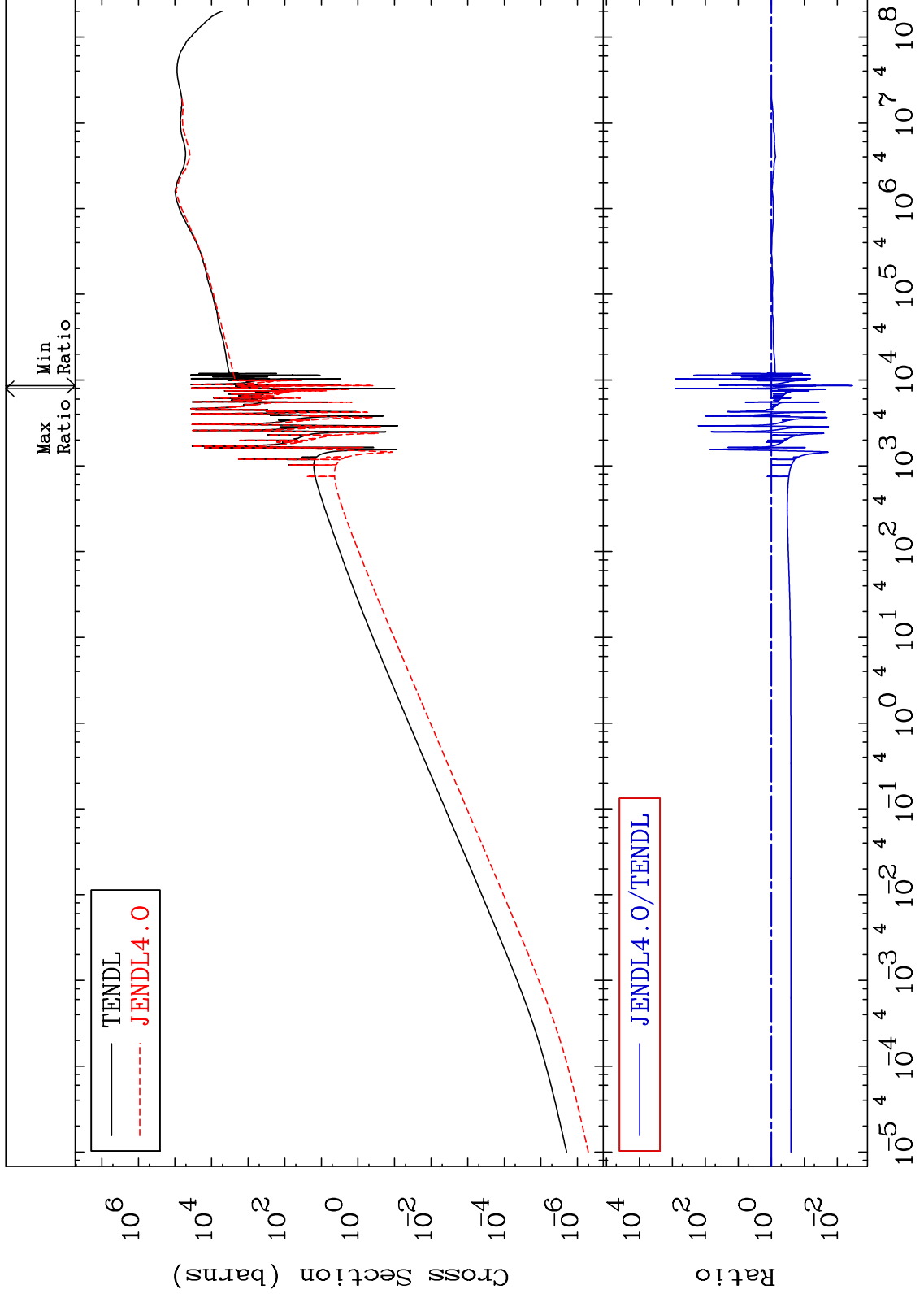
Incident Energy (eV)

62-Sm-144

MAT 6225

Kerma elastic
Cross Section

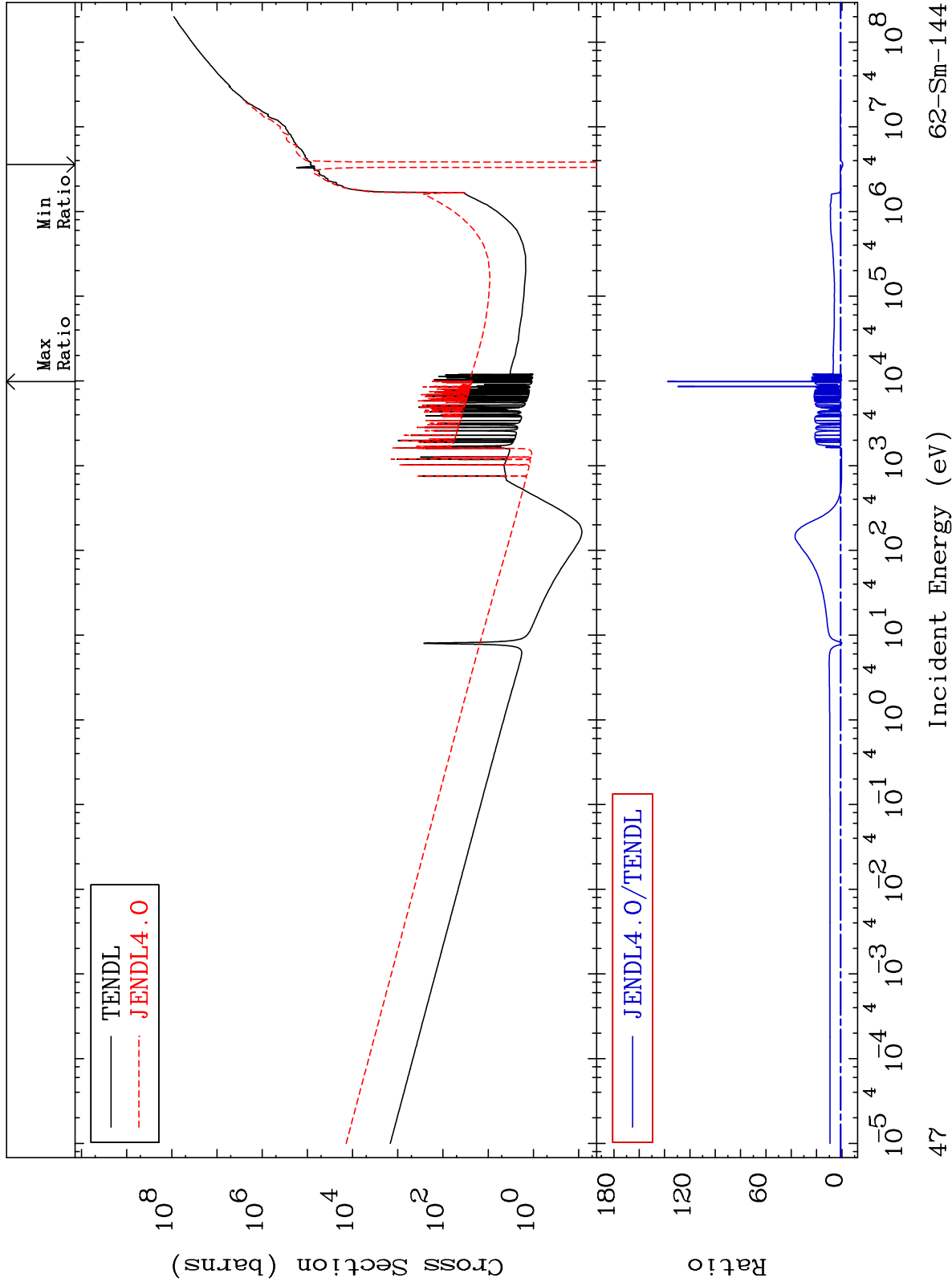
62-Sm-144
-99.65 To 9999. %



MAT 6225

Kerma non-elastic (all but mt2)
Cross Section

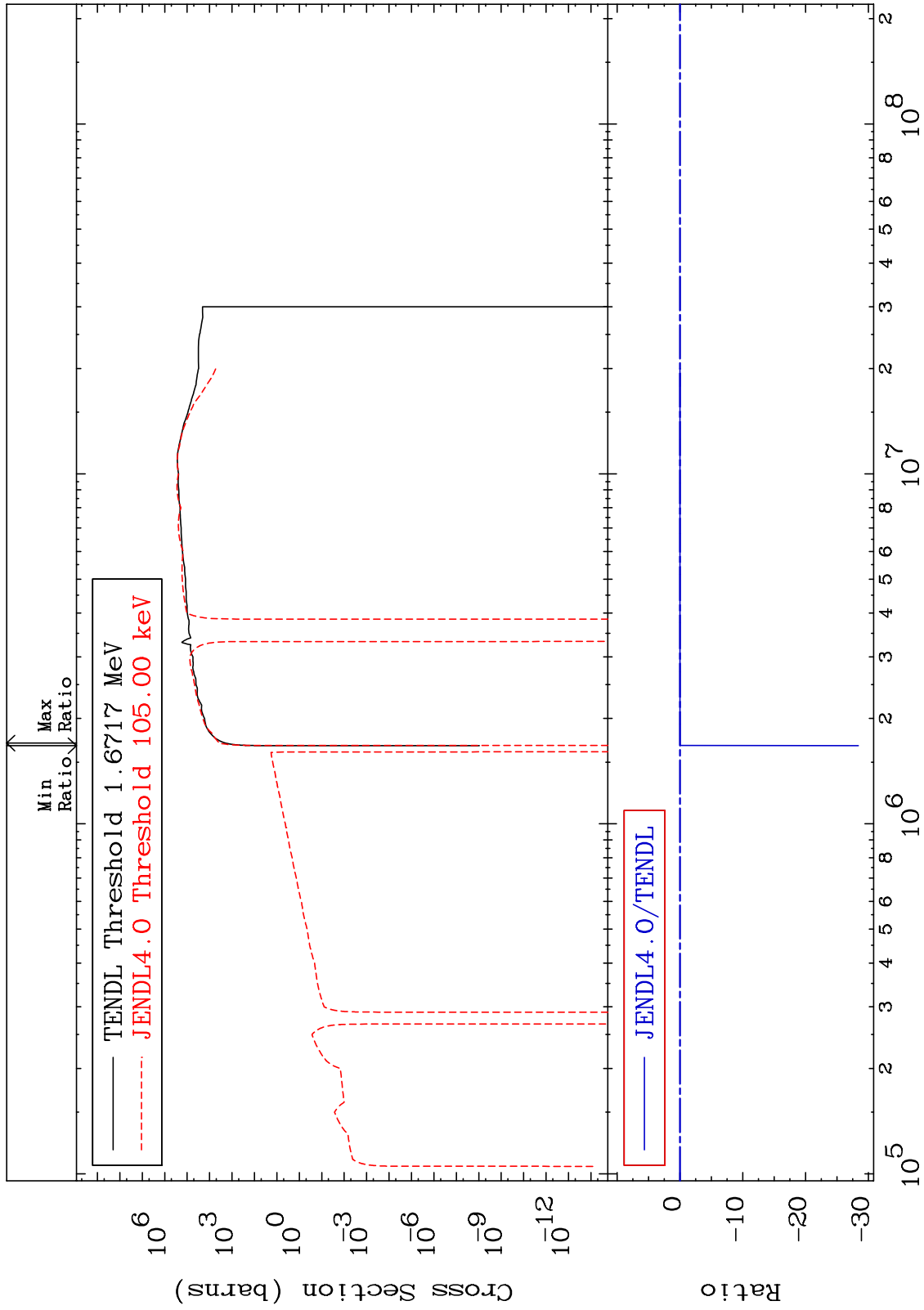
62-Sm-144
-157.7 To 9999. %



MAT 6225

Kerma inelastic (mt51-91)
Cross Section

62-Sm-144
-9999. To 95.03 %



48

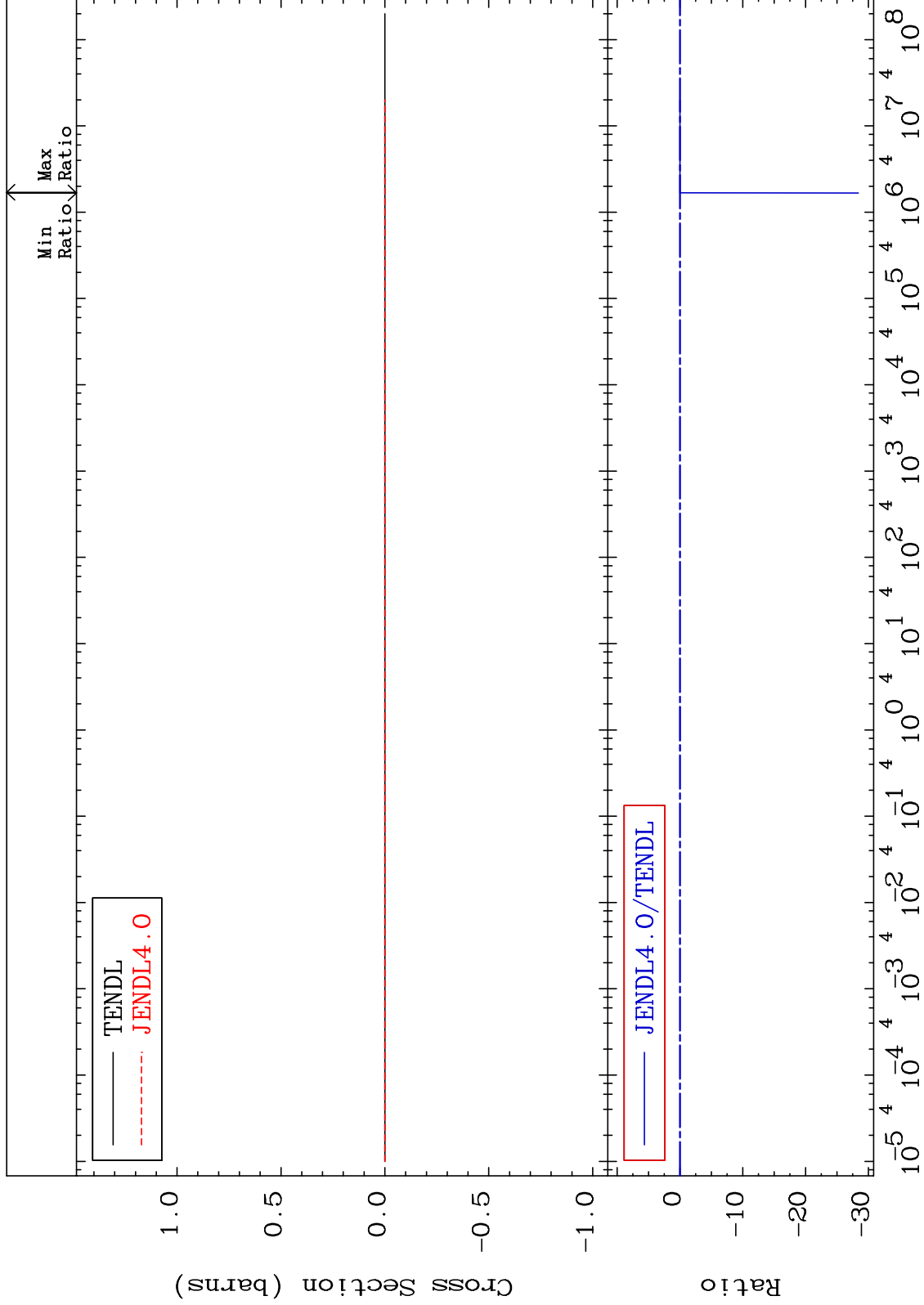
62-Sm-144

62-Sm-144

MAT 6225

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

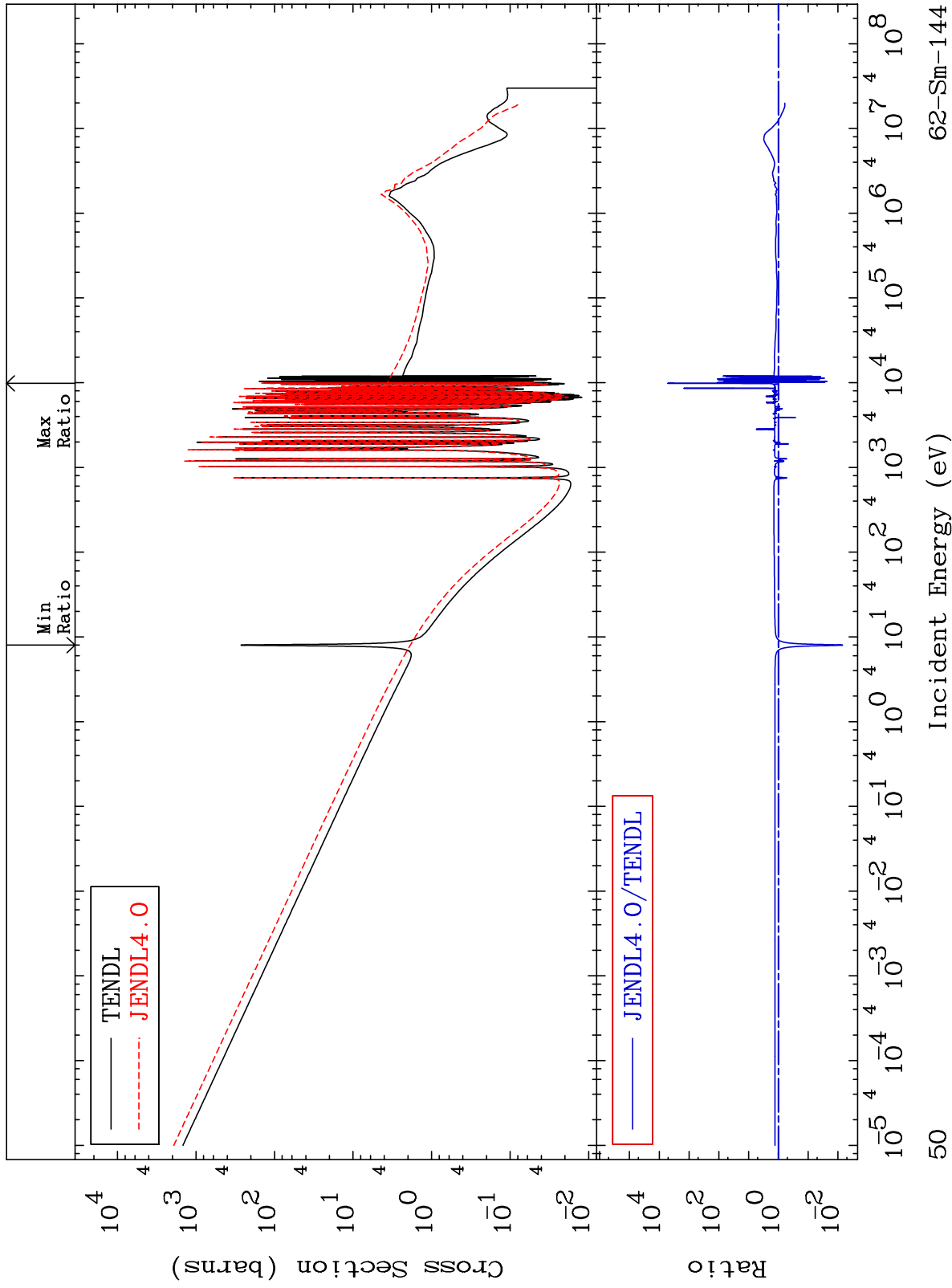
62-Sm-144
-9999. To 95.03 %



MAT 6225

Kerma capture (mt102)
Cross Section

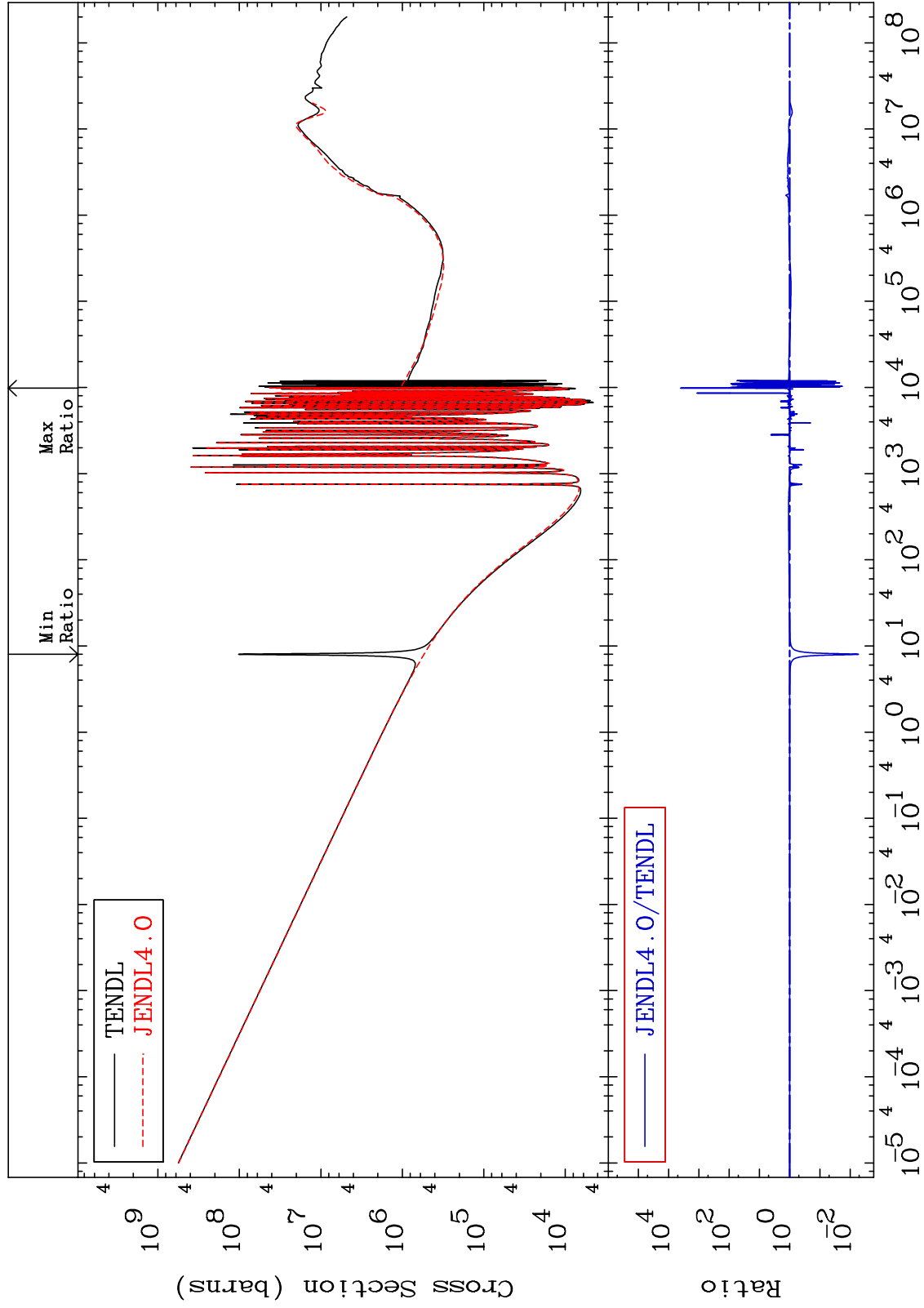
62-Sm-144
-99.31 To 9999. %



MAT 6225

Total photon (eV-barns)
Cross Section

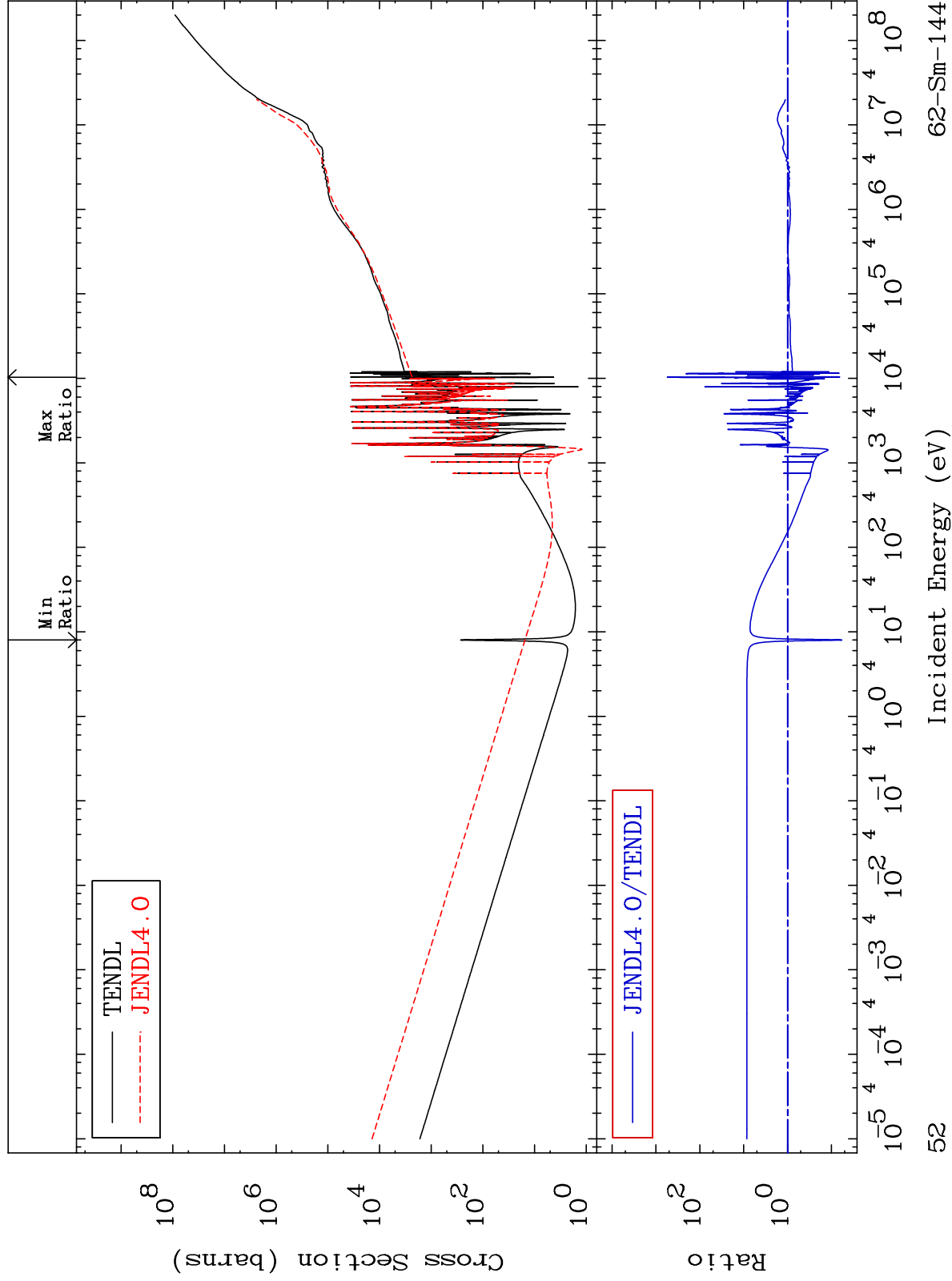
62-Sm-144
-99.47 To 9999. %



MAT 6225

Total kinematic kerma (high limit)
Cross Section

62-Sm-144
-94.30 To 9999. %



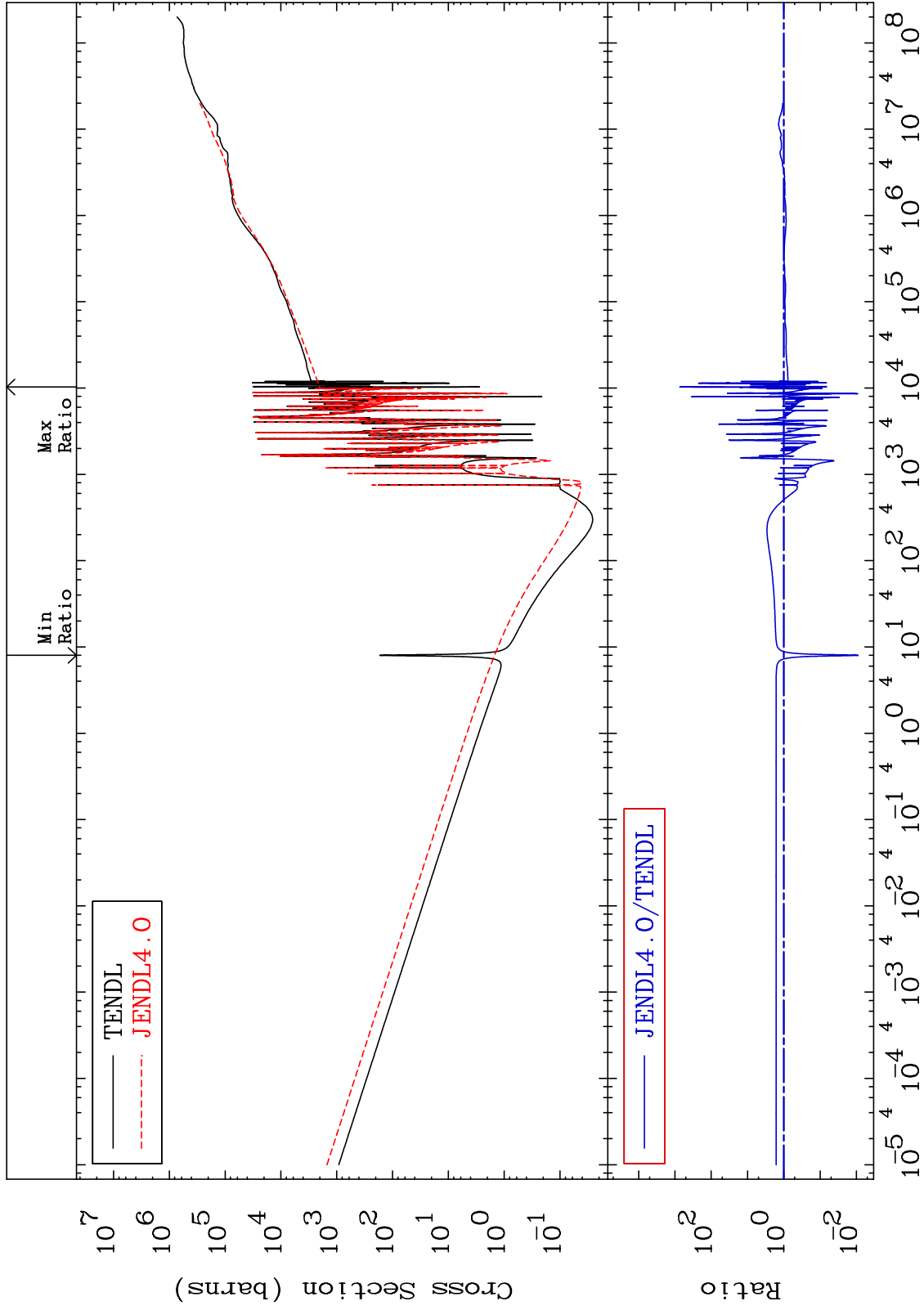
52

62-Sm-144

MAT 6225

Dpa total (eV-barns)
Cross Section

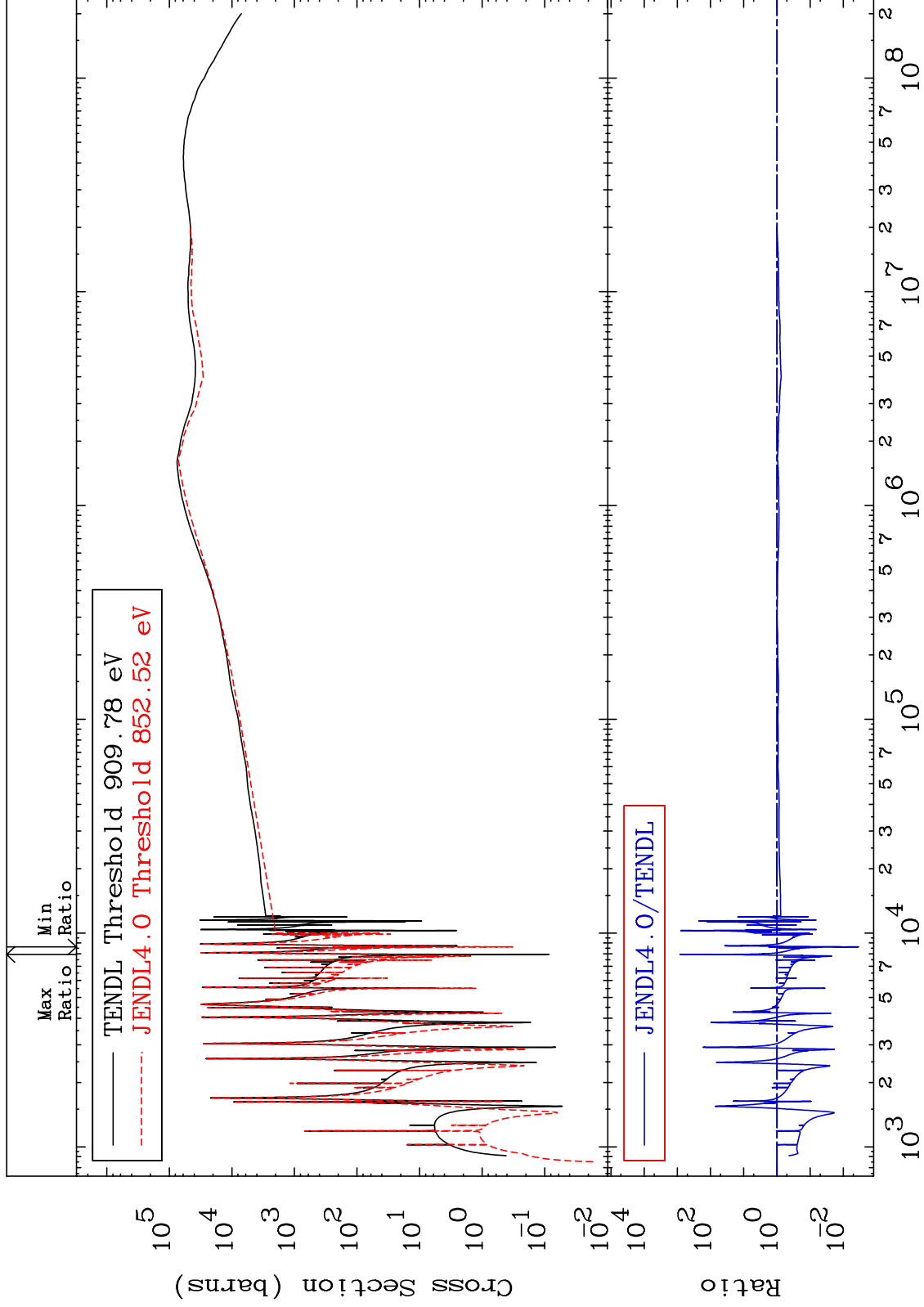
62-Sm-144
-99.12 To 9999. %



MAT 6225

Dpa elastic (mt2)
Cross Section

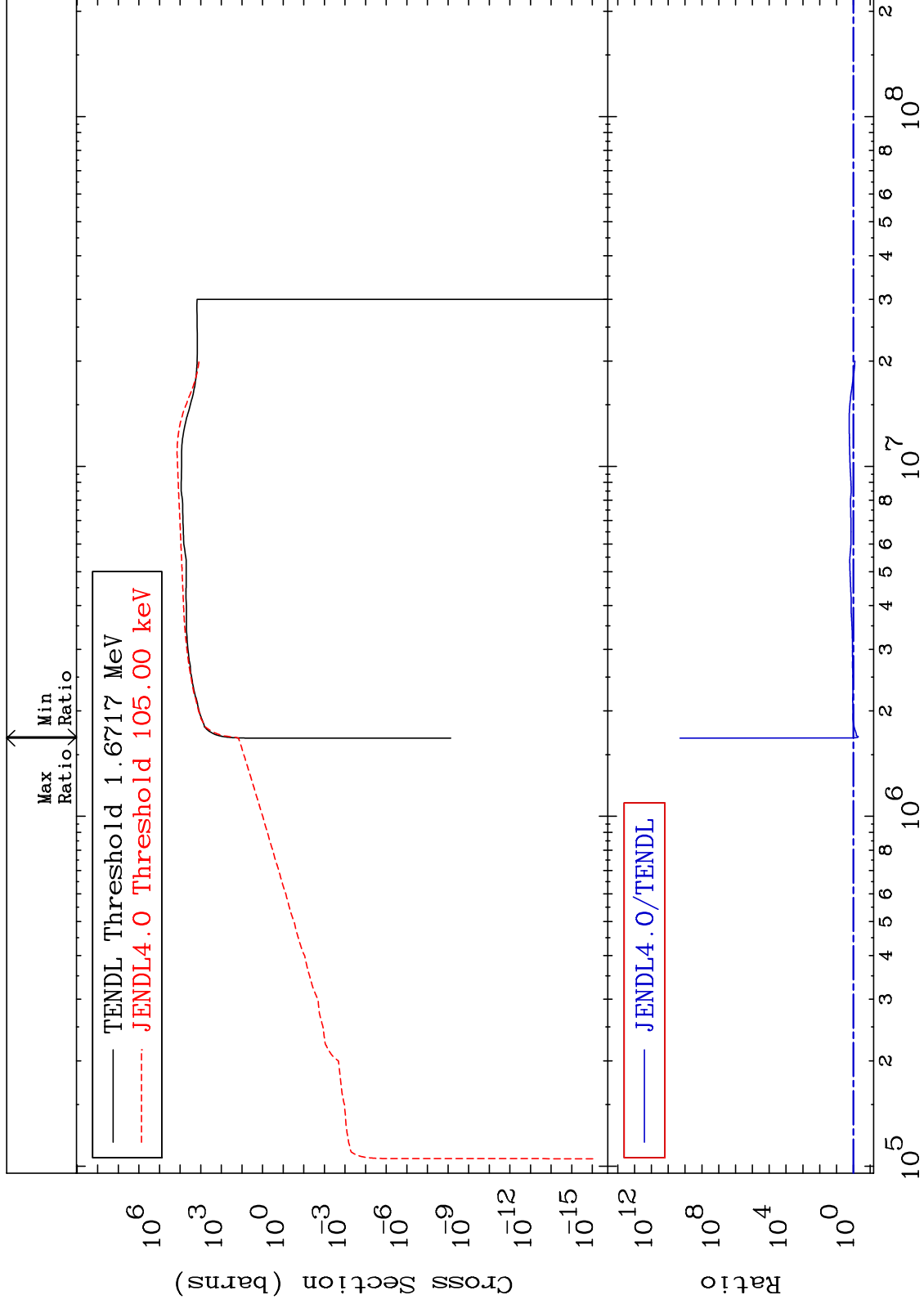
62-Sm-144
-99.65 To 9999. %



MAT 6225

Dpa inelastic (mt51-91)
Cross Section

62-Sm-144
-49.86 To 9999. %



55

Incident Energy (eV)

62-Sm-144

MAT 6225

Dpa disappearance (mt102 -120)
Cross Section

62-Sm-144
-99.12 To 9999. %

