

Program Complot
(Version 2018-1)

by

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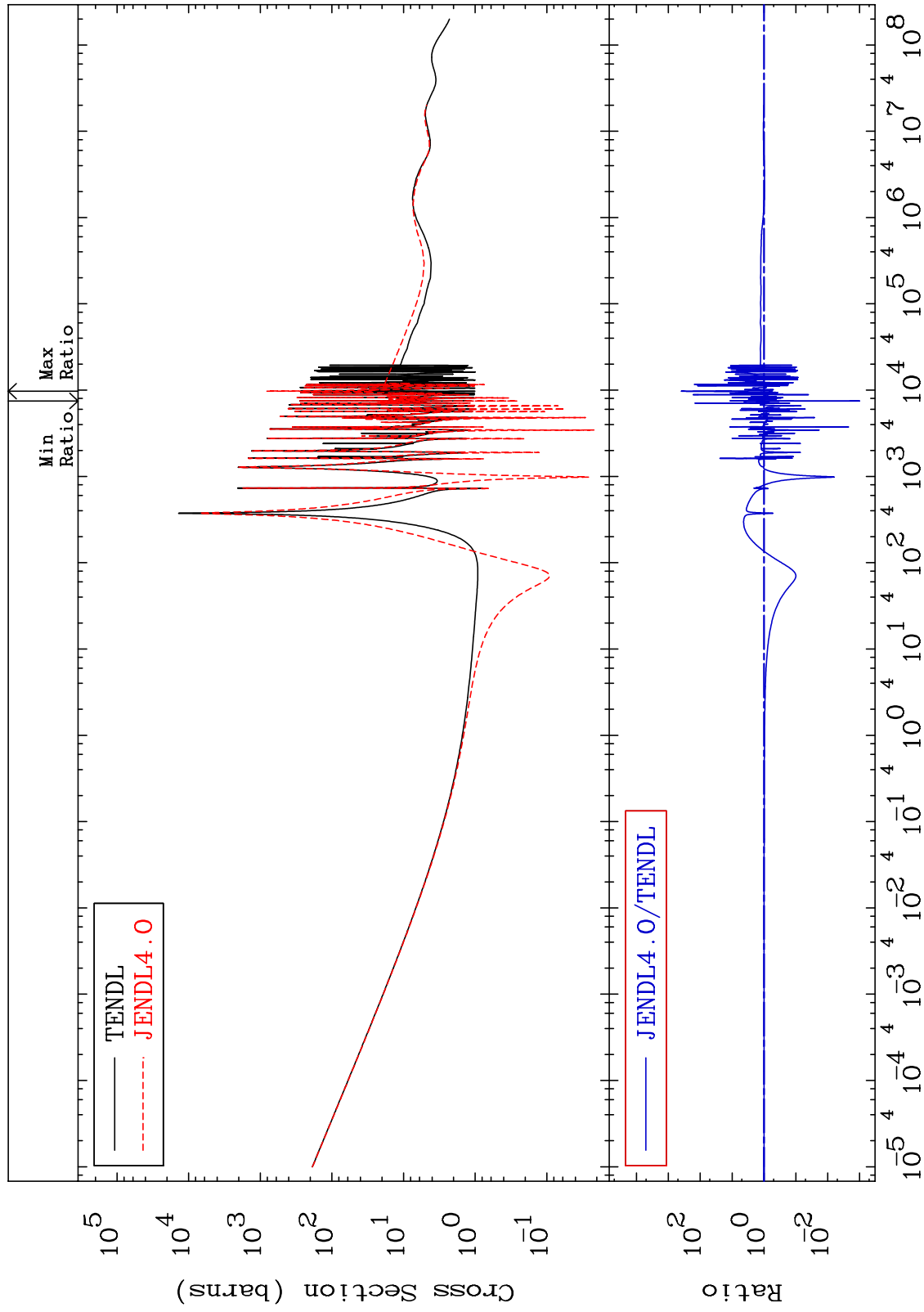
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6031

Total
Cross Section

60-Nd-144
-99.90 To 9999. %



1

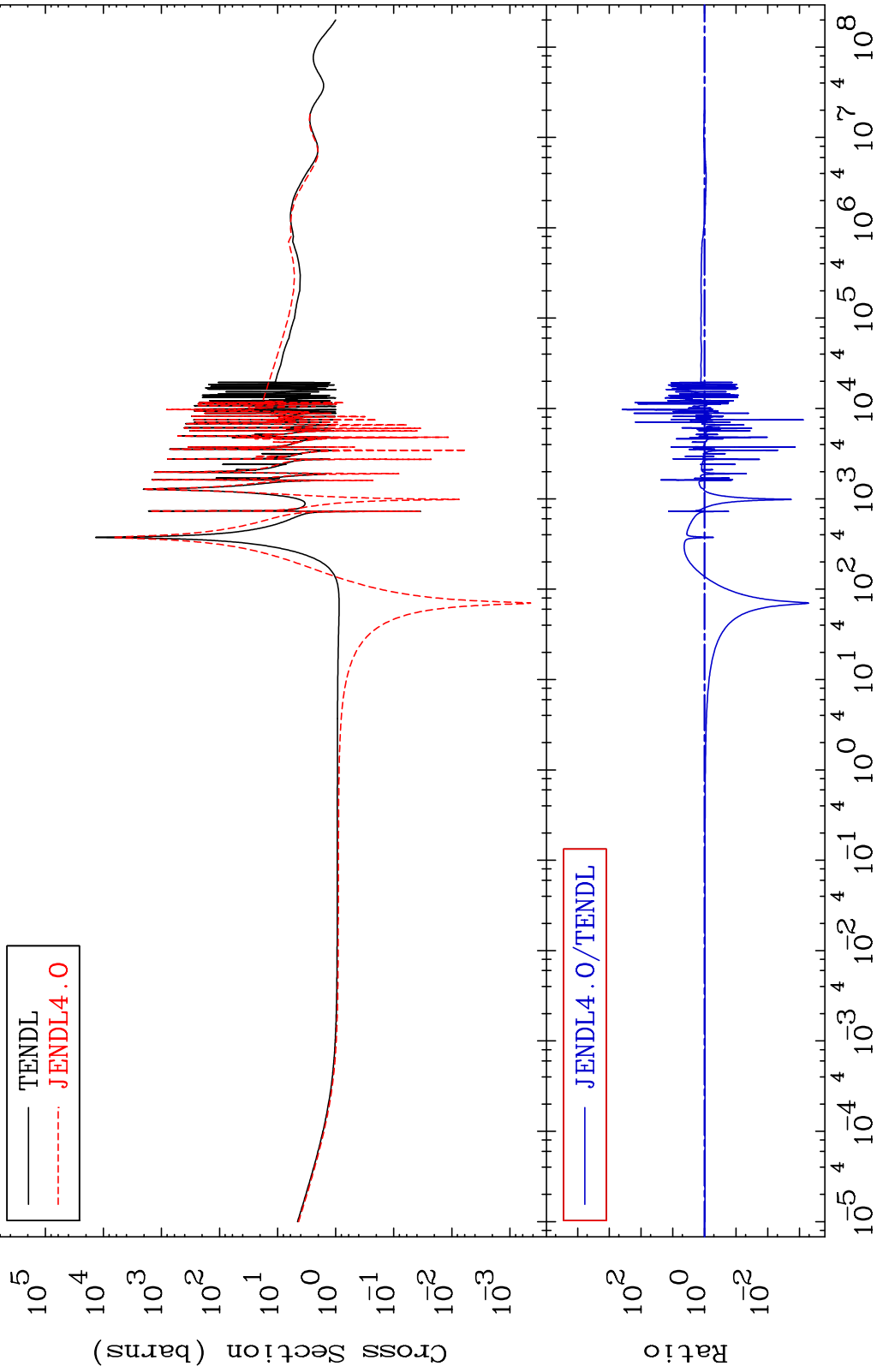
Incident Energy (eV)

60-Nd-144

MAT 6031

Elastic
Cross Section

60-Nd-144
-99.95 To 9999. %



2

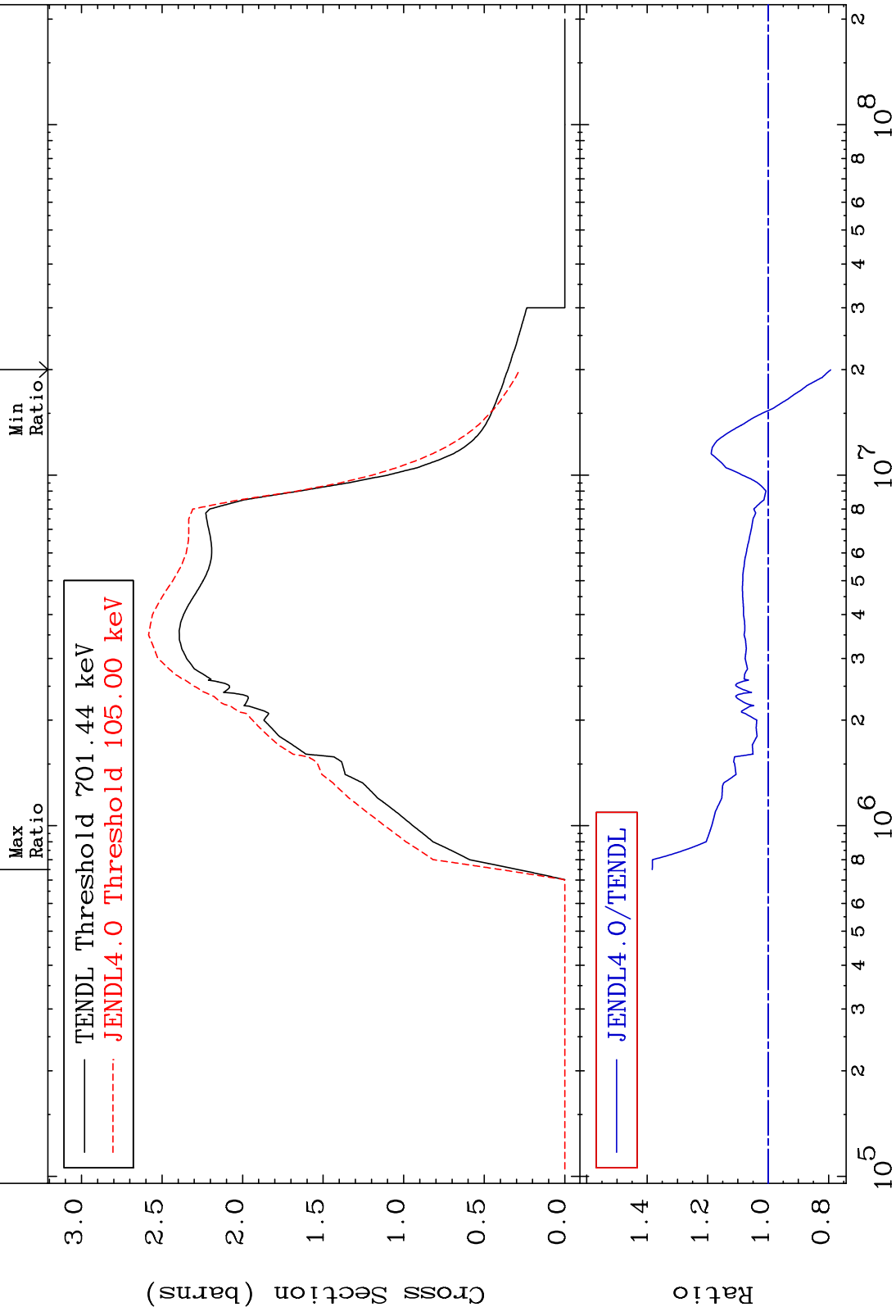
Incident Energy (eV)

60-Nd-144

MAT 6031

Inelastic
Cross Section

60-Nd-144
-20.76 To 38.33 %

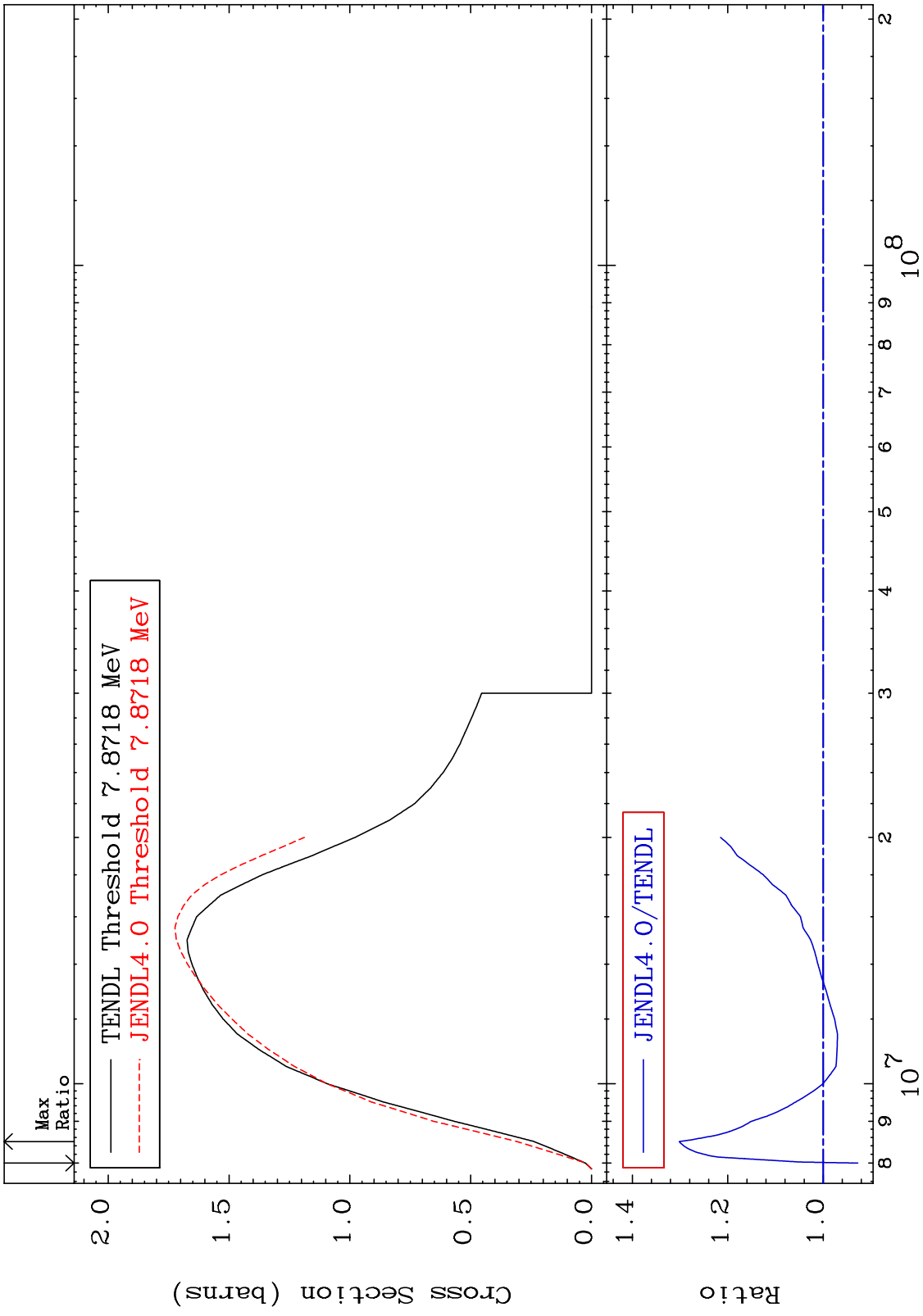


60-Nd-144

Incident Energy (eV)

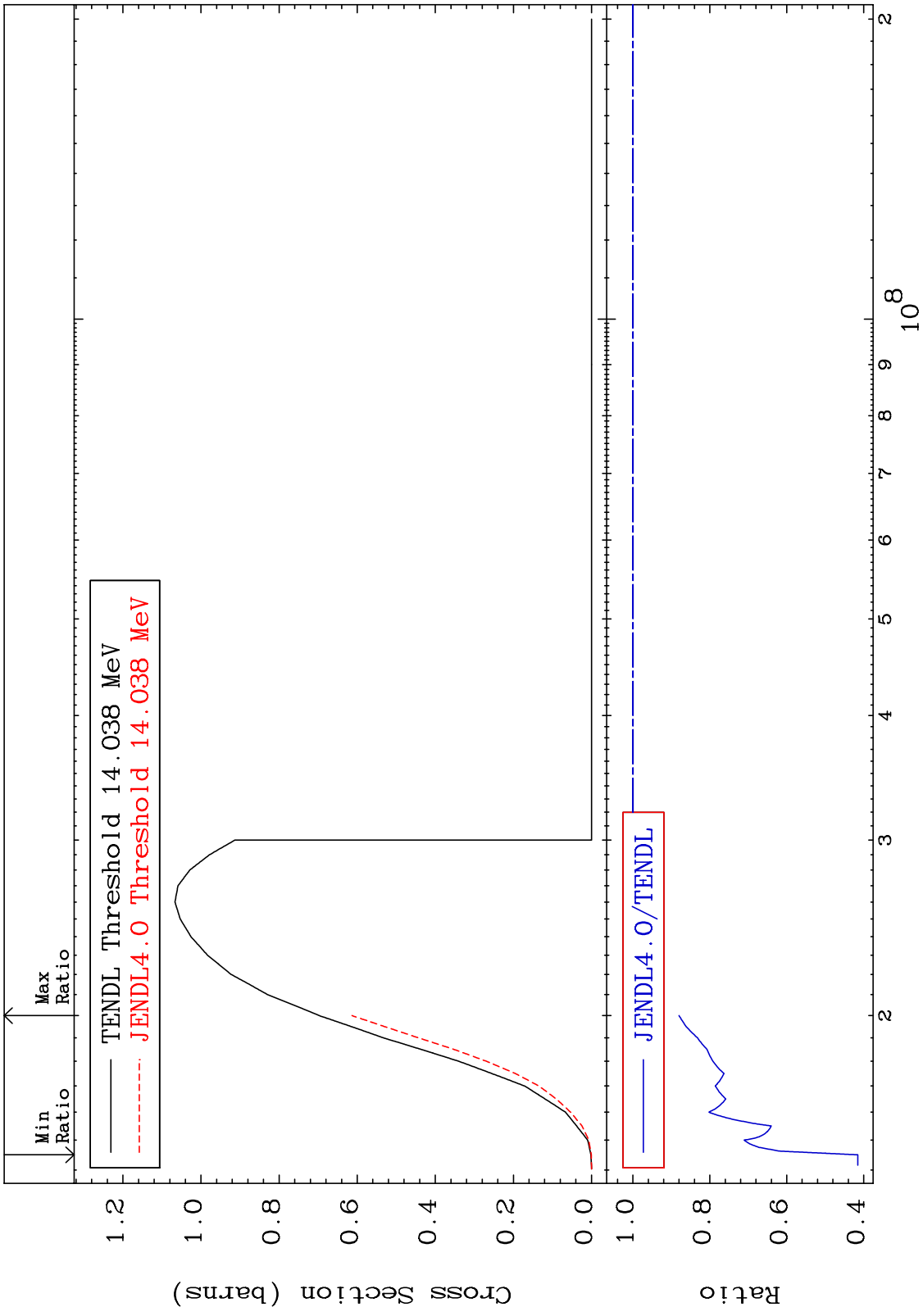
3

MAT 6031 (n,2n) Cross Section 60-Nd-144 -7.255 To 30.21 %



4 60-Nd-144 Incident Energy (eV)

MAT 6031 (n,3n) 60-Nd-144
 Cross Section -58.48 To -11.99%



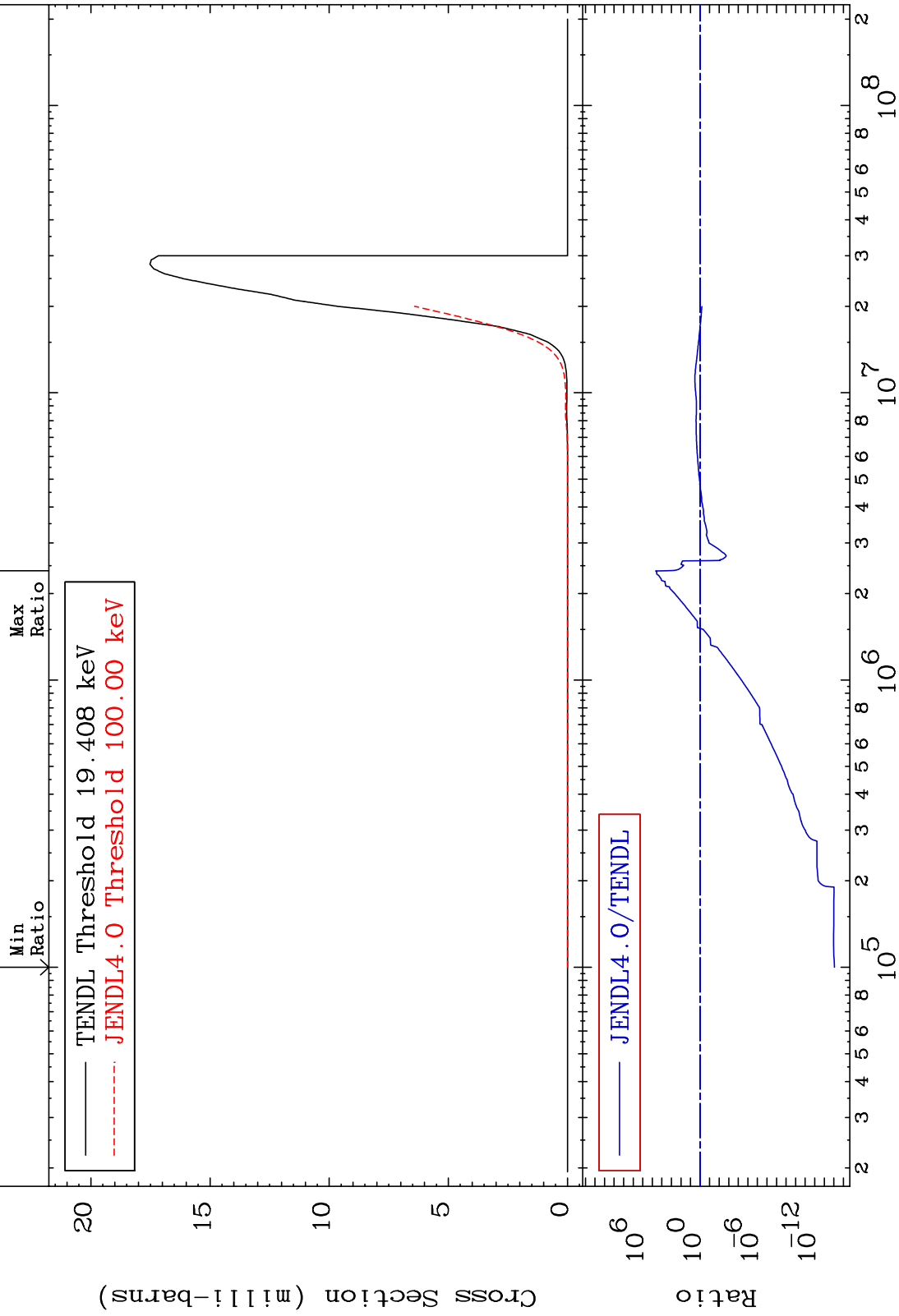
MAT 6031

(n, n') α

60-Nd-144

-100.0 To 9999. %

Cross Section



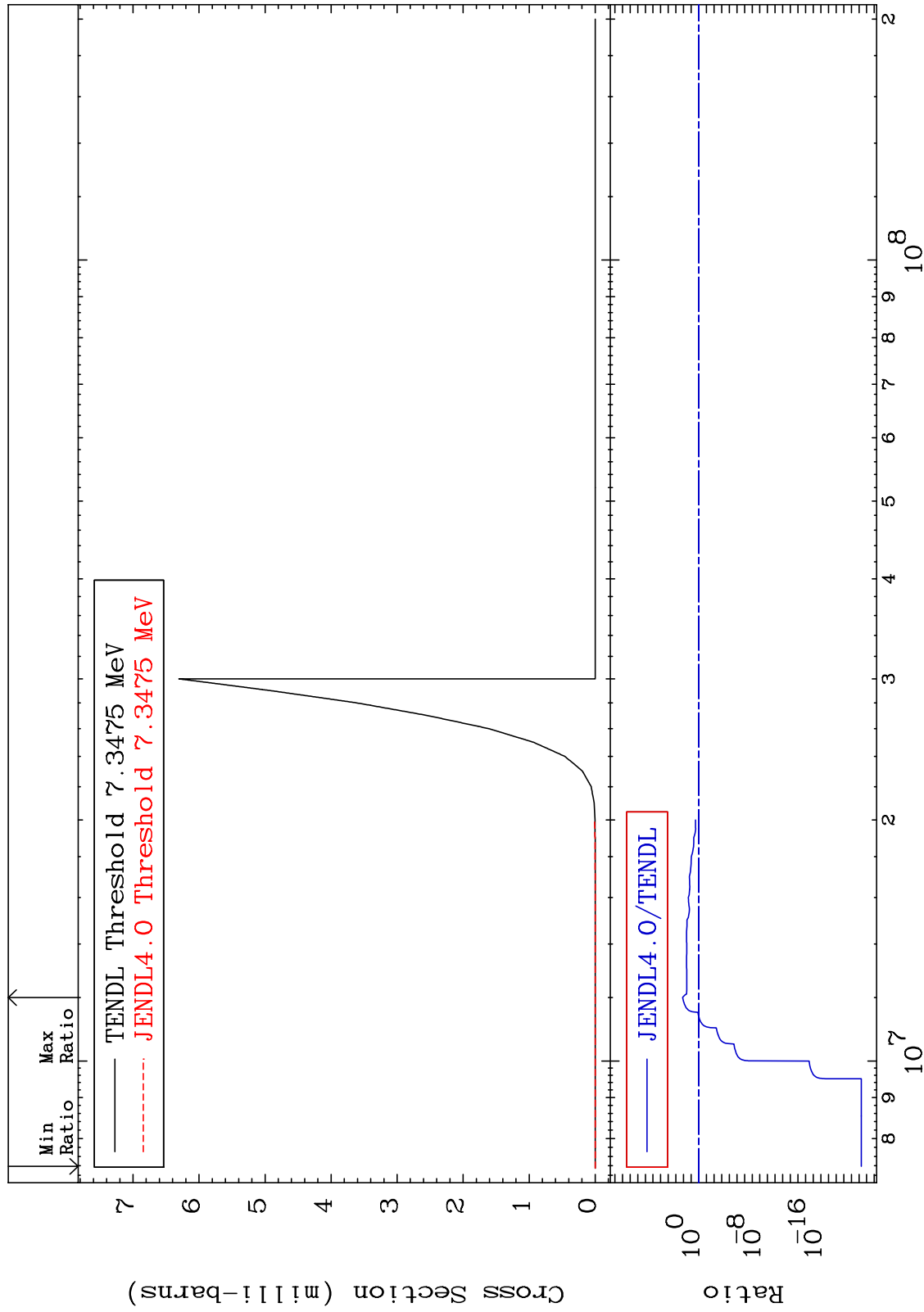
MAT 6031

(n,2n) α

60-Nd-144

Cross Section

-100.0 To 9999. %

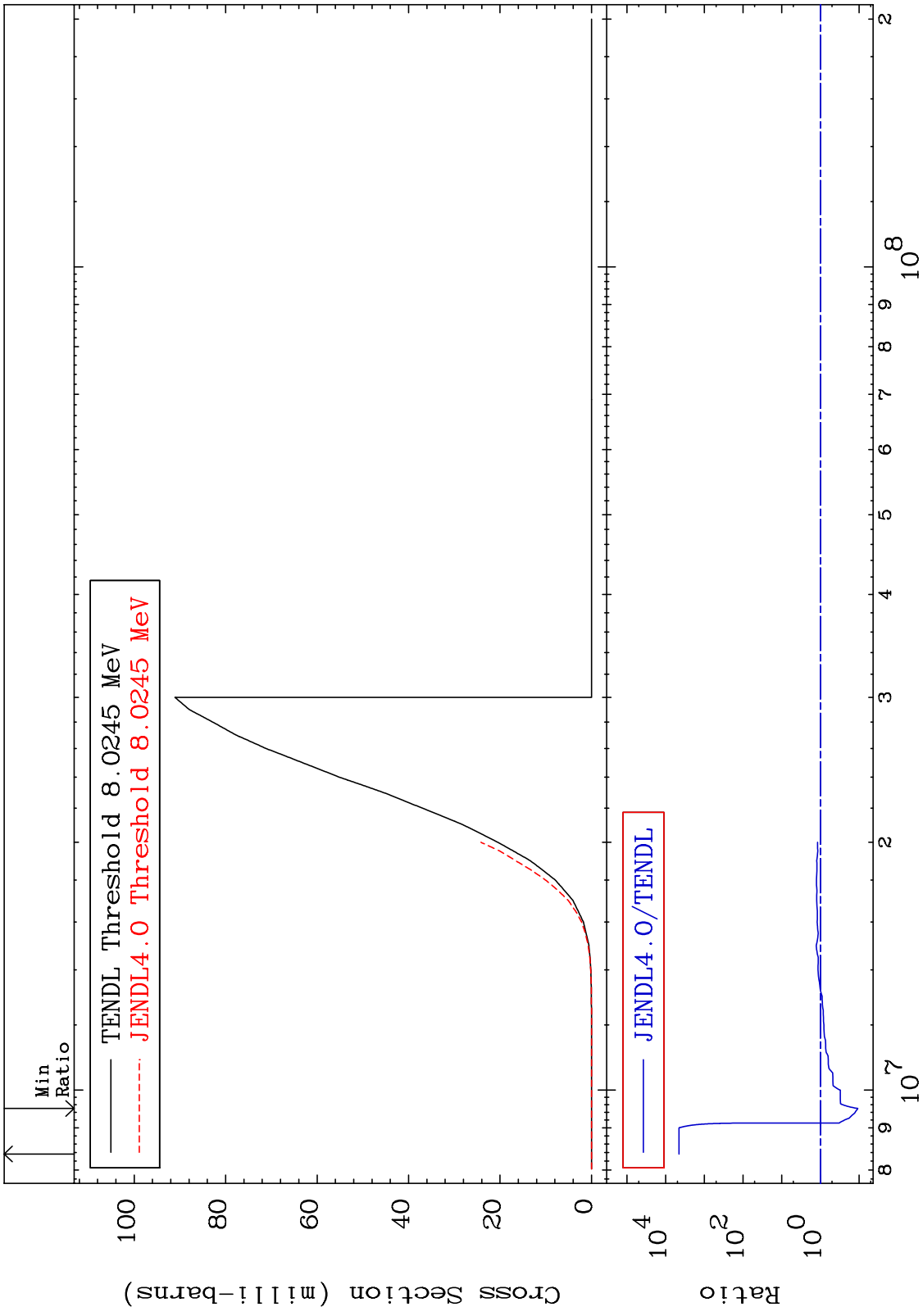


7

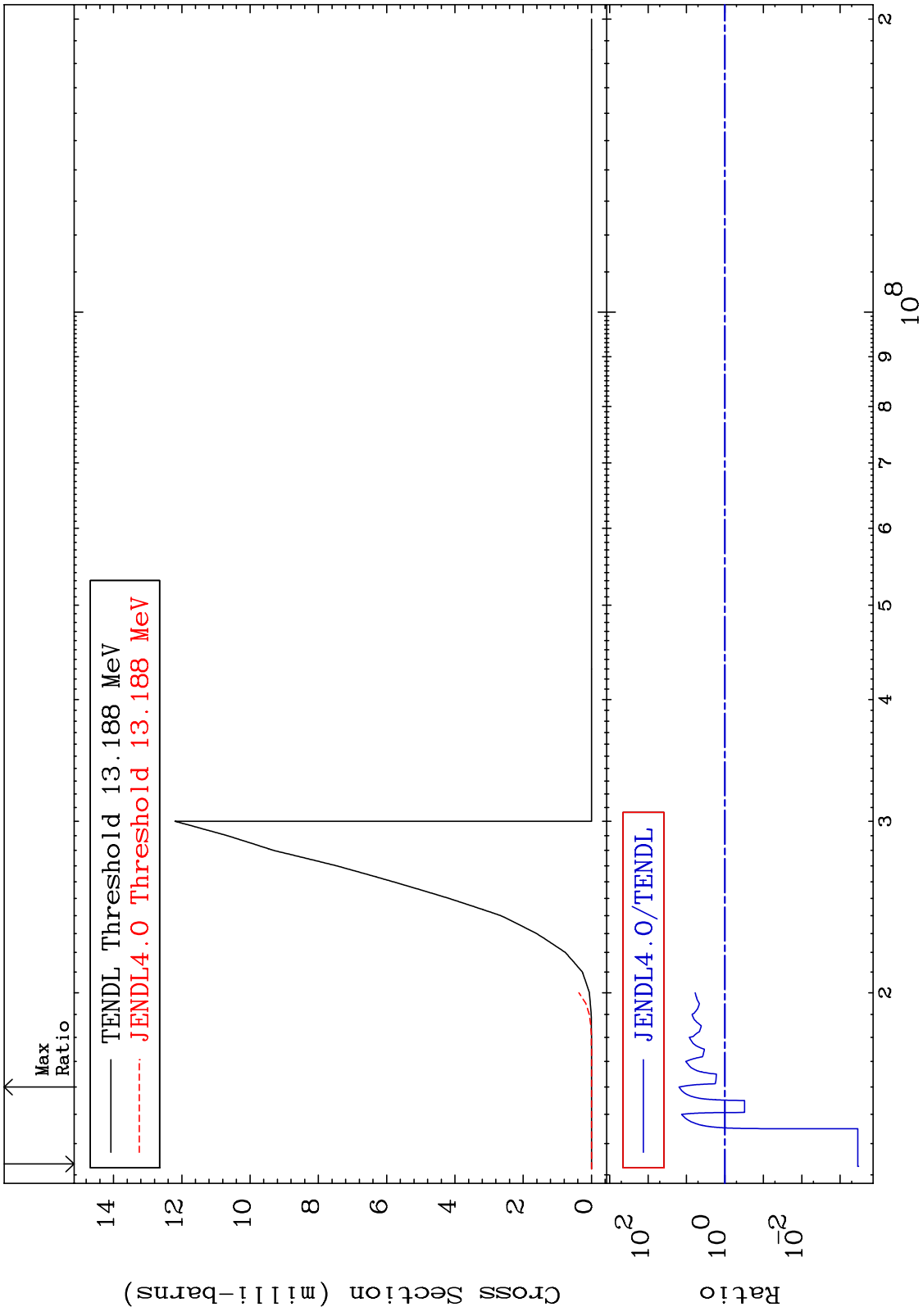
Incident Energy (eV)

60-Nd-144

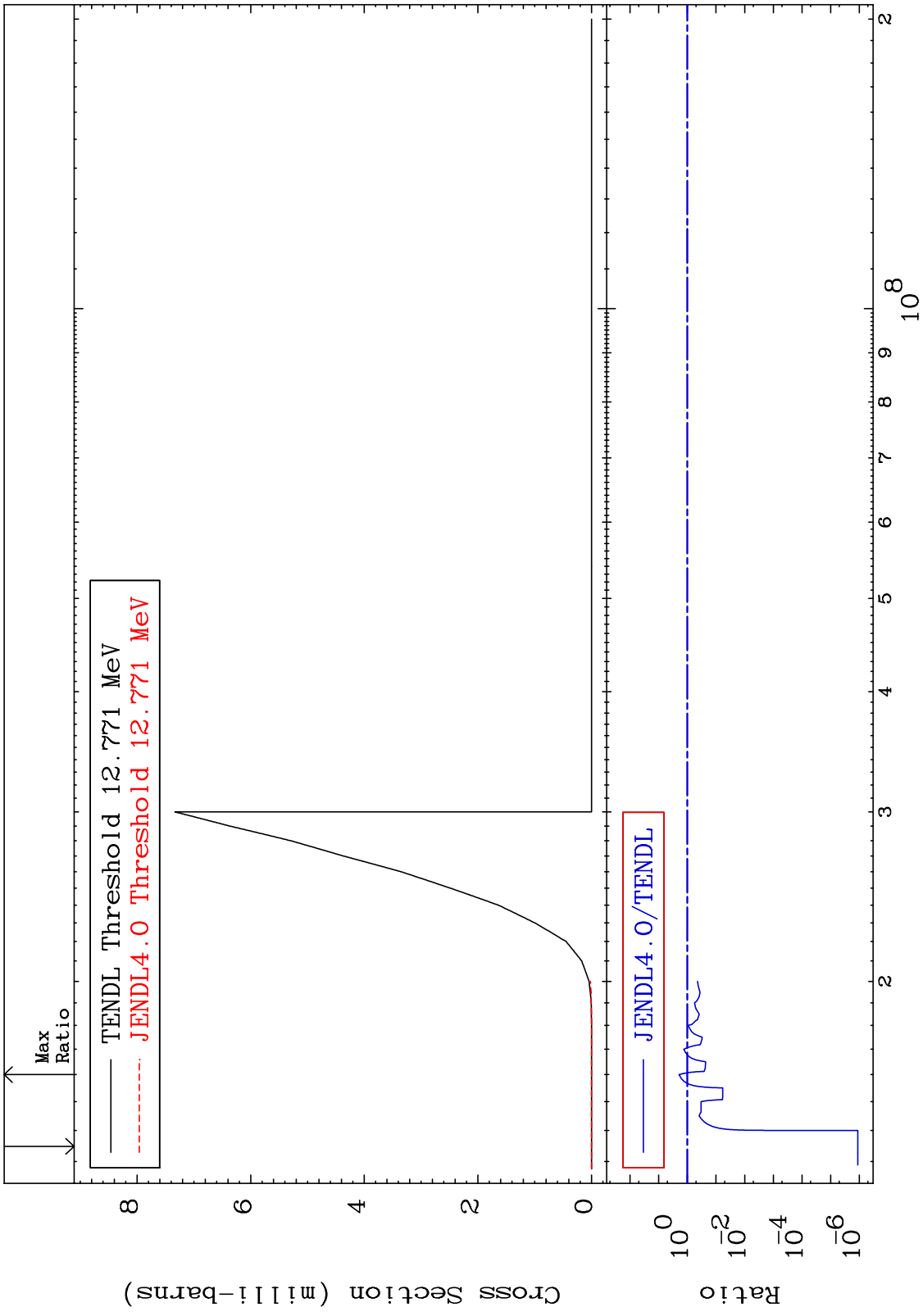
MAT 6031 (n,n') p 60-Nd-144
Cross Section -89.23 To 9999. %



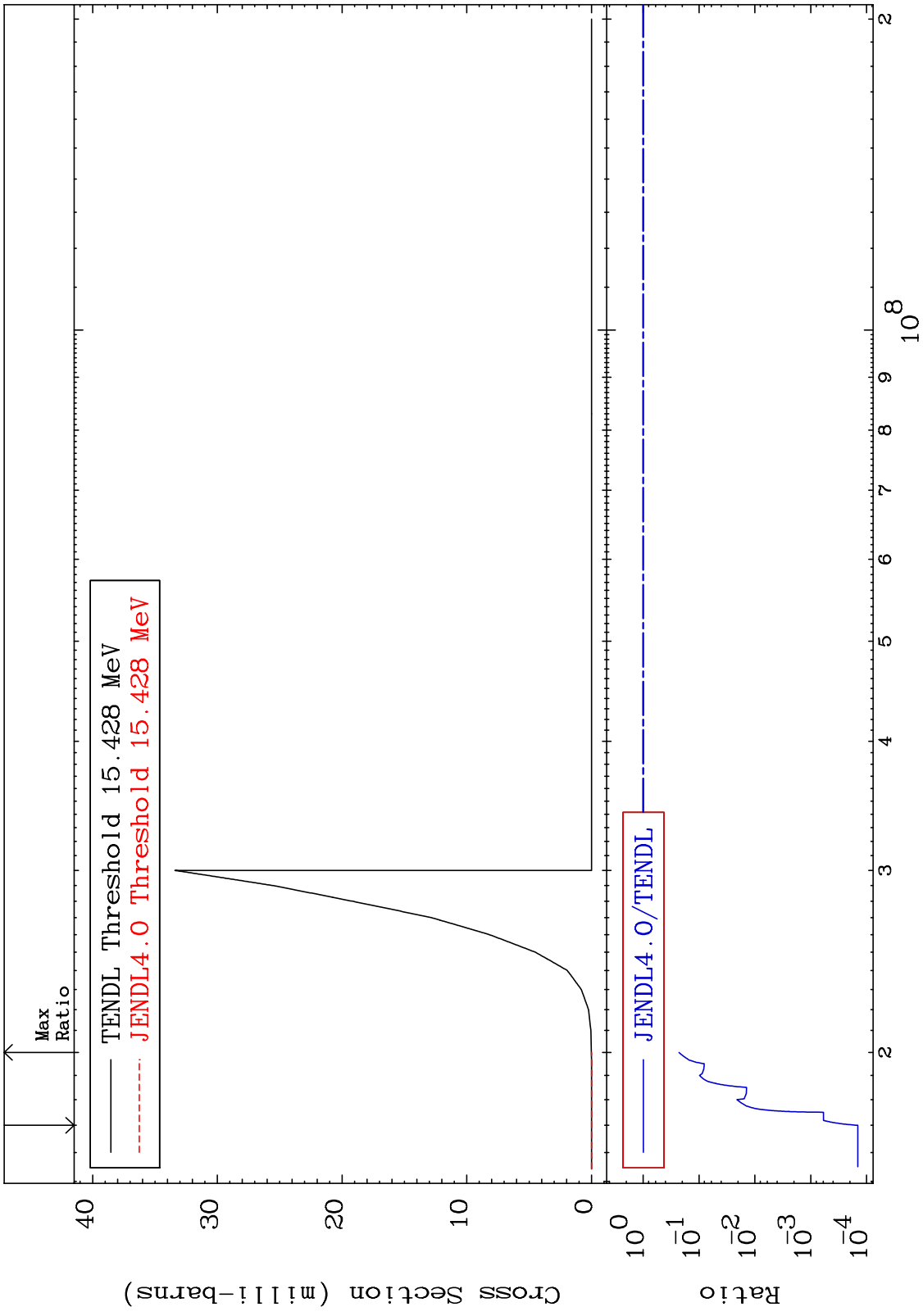
8 Incident Energy (eV) 60-Nd-144



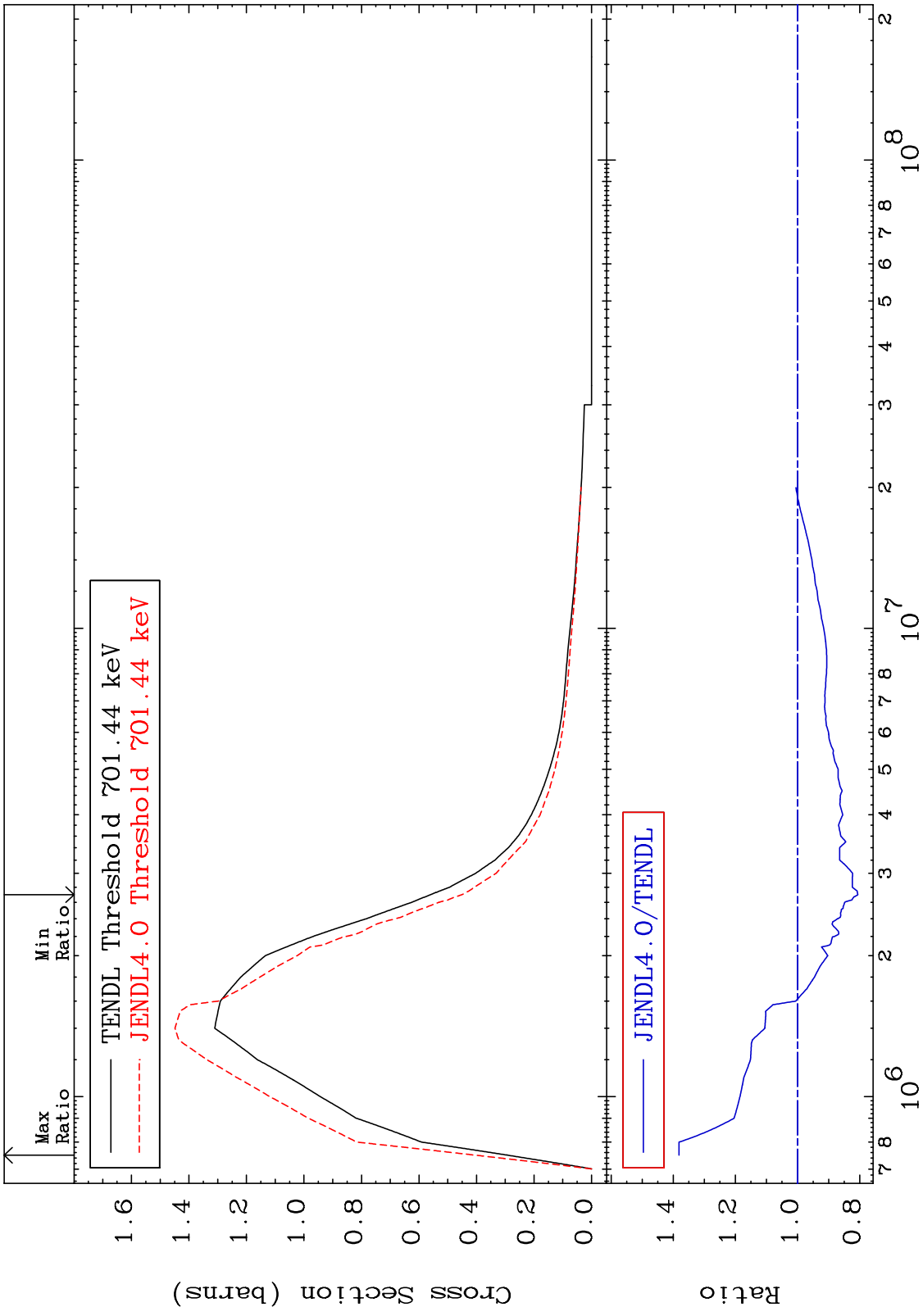
MAT 6031 (n,n') t 60-Nd-144
 Cross Section -100.0 To 95.03 %



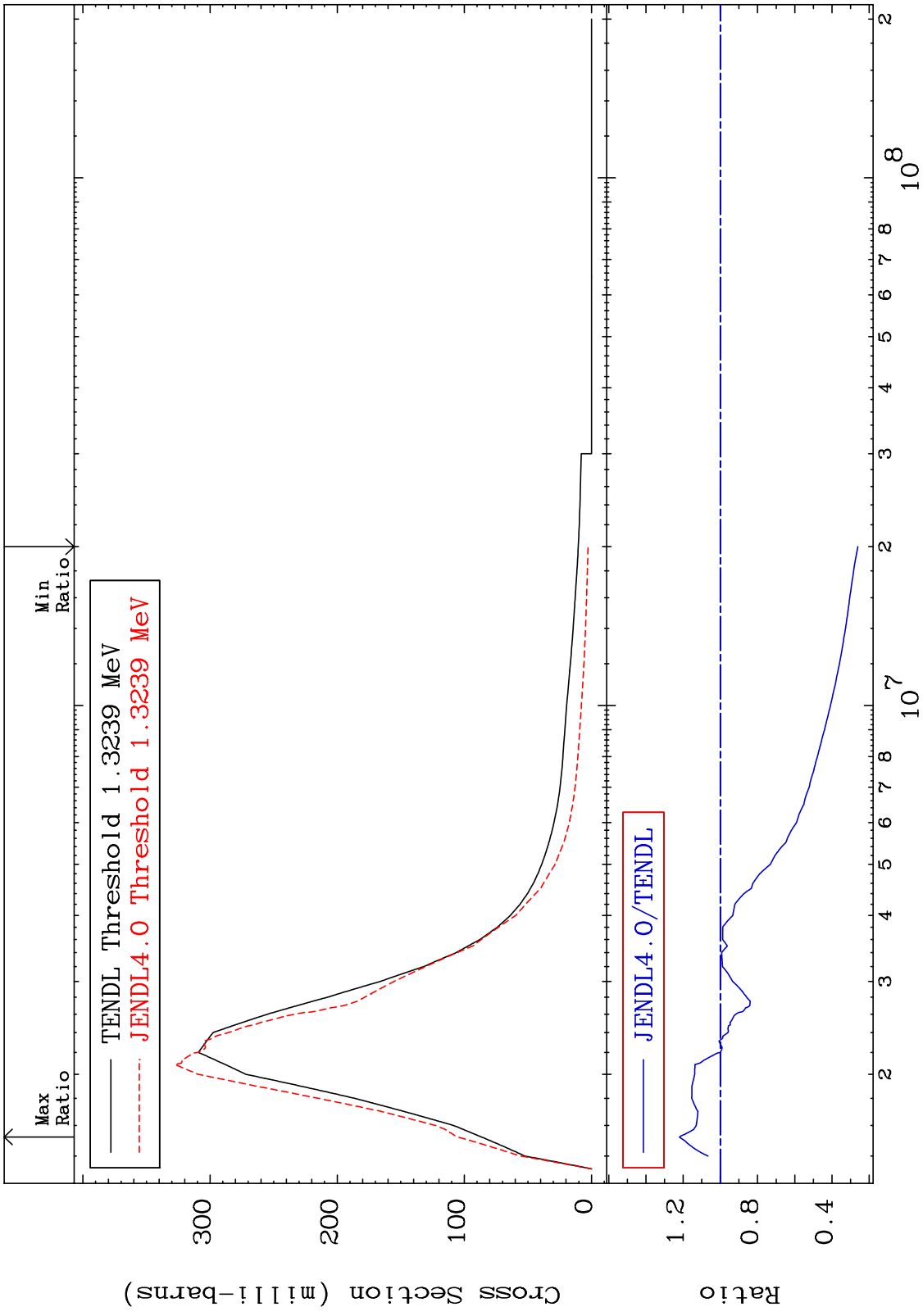
MAT 6031 (n,2n) p 60-Nd-144
 Cross Section -99.99 To -77.23%



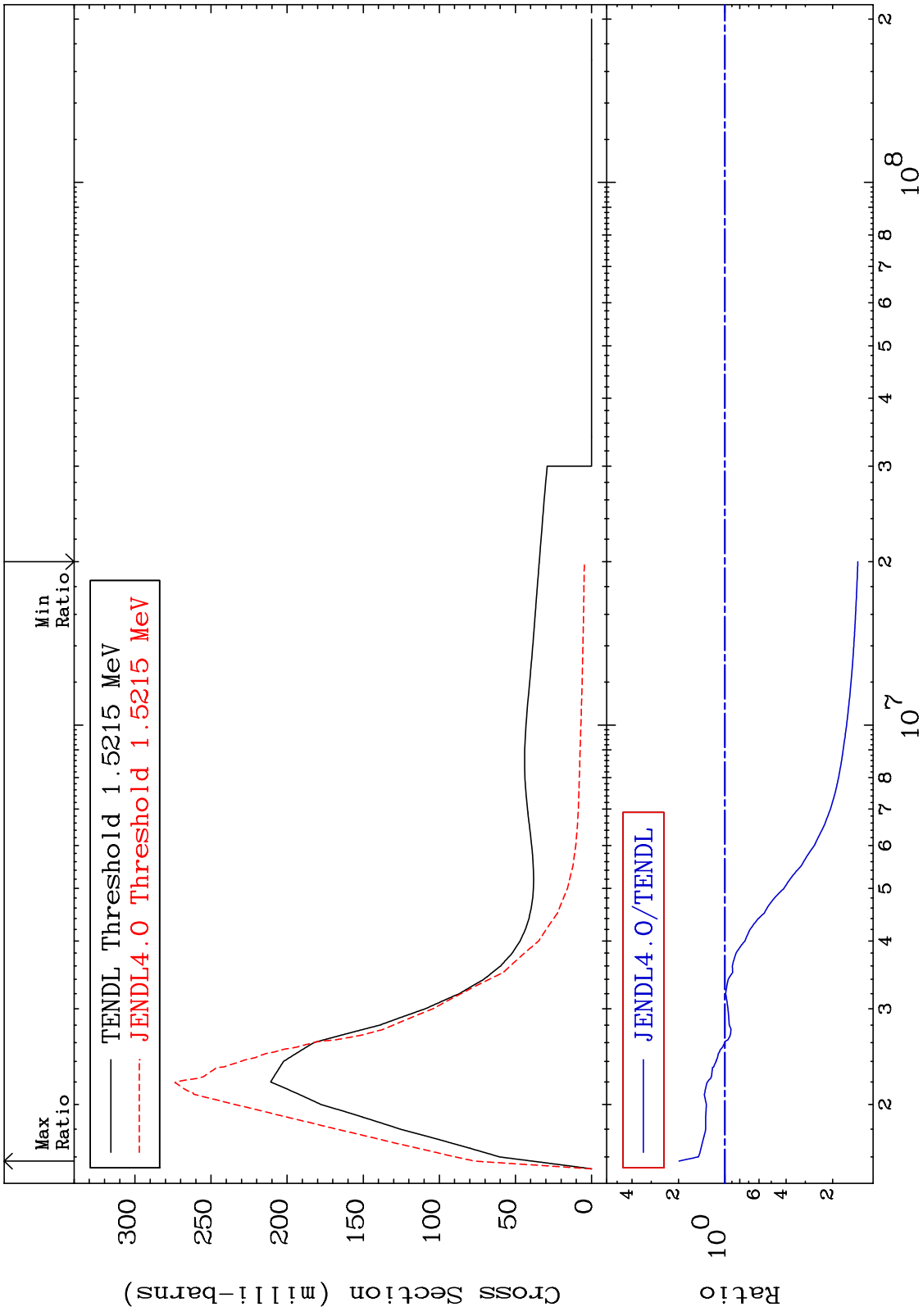
MAT 6031 MT= 51 (n,n') Level Cross Section 60-Nd-144
 -19.41 To 38.16 %



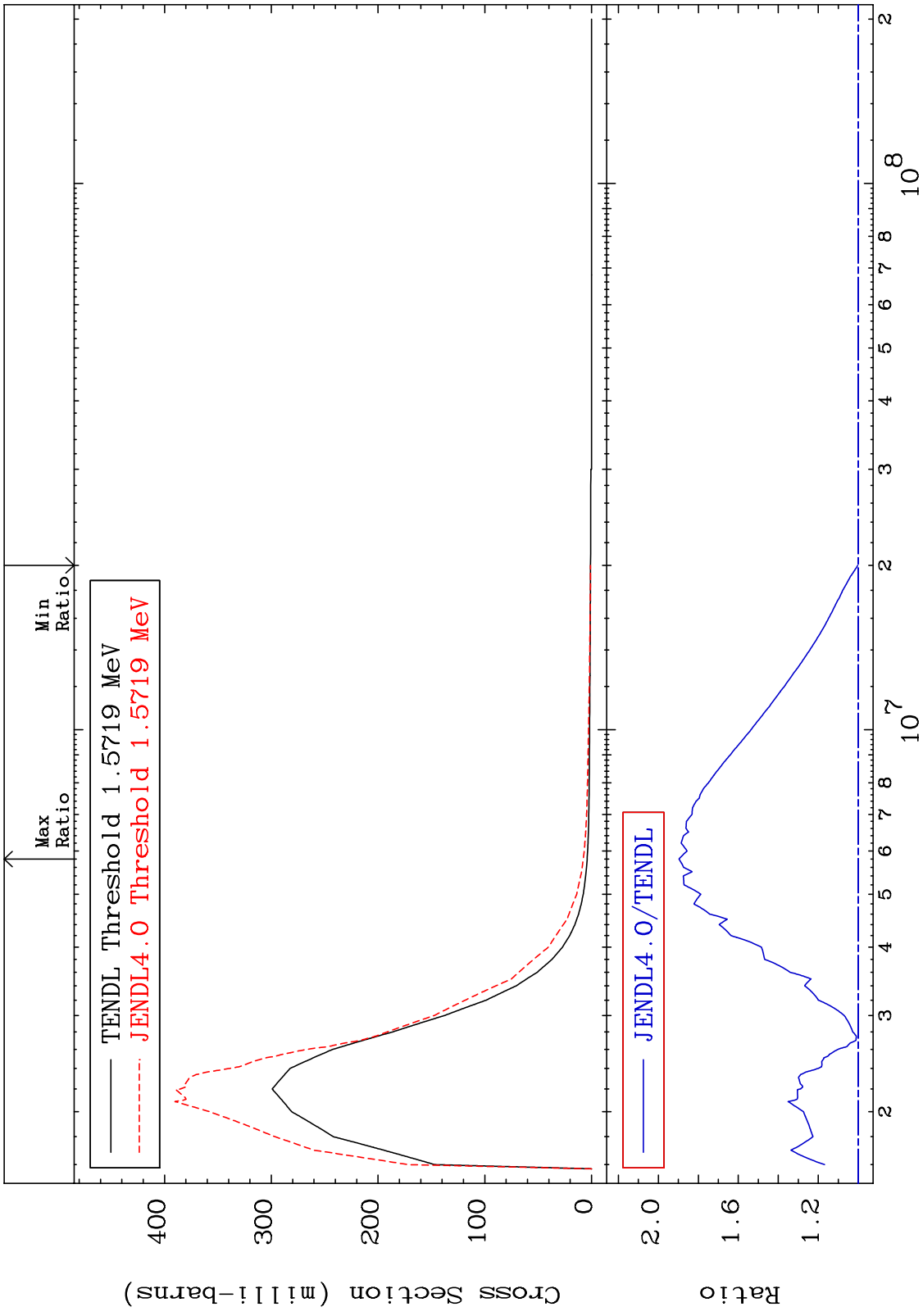
MAT 6031 MT= 52 (n, n') Level Cross Section 60-Nd-144 -73.95 To 22.24 %



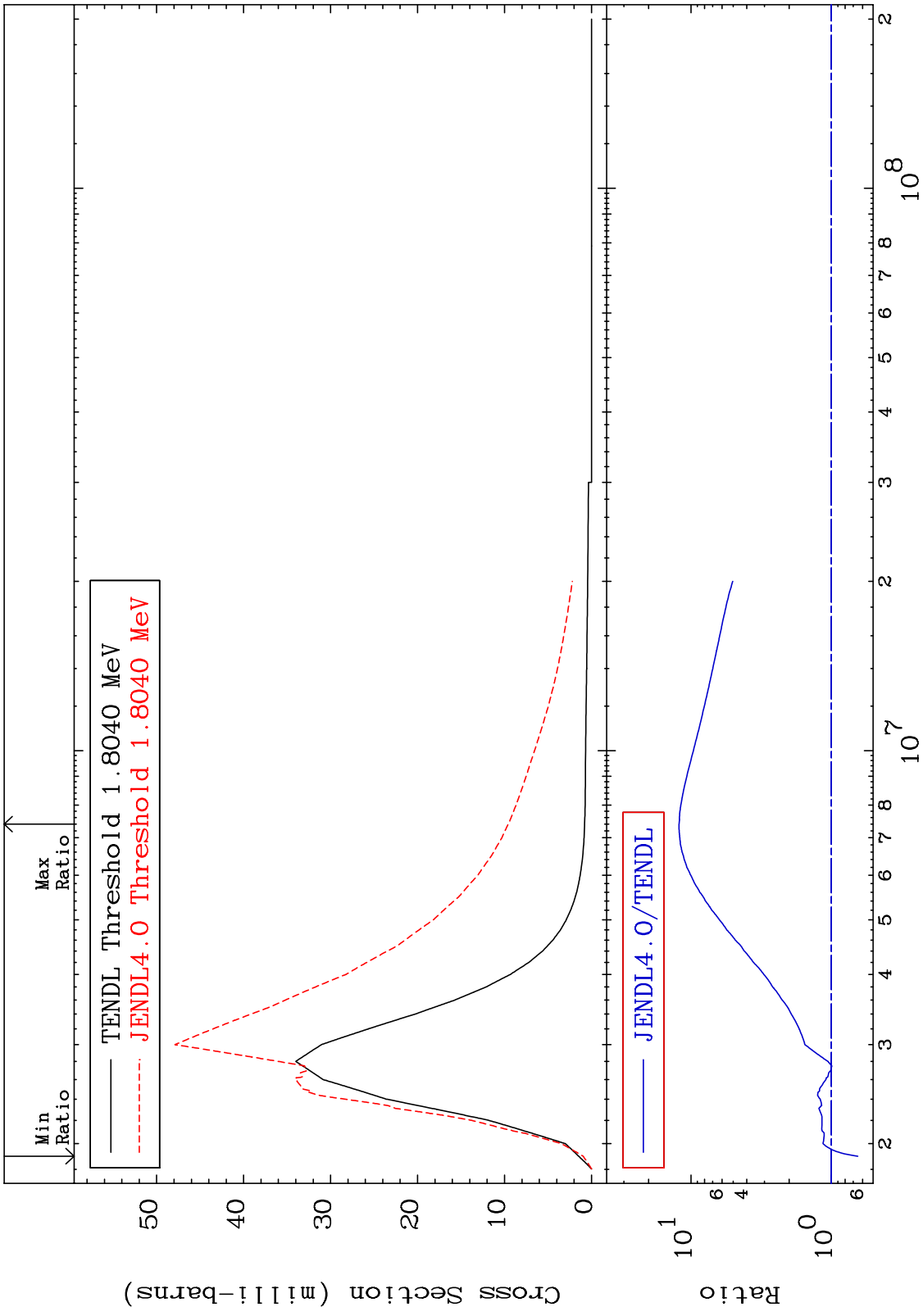
MAT 6031 MT= 53 (n,n') Level Cross Section 60-Nd-144 -86.29 To 98.17 %



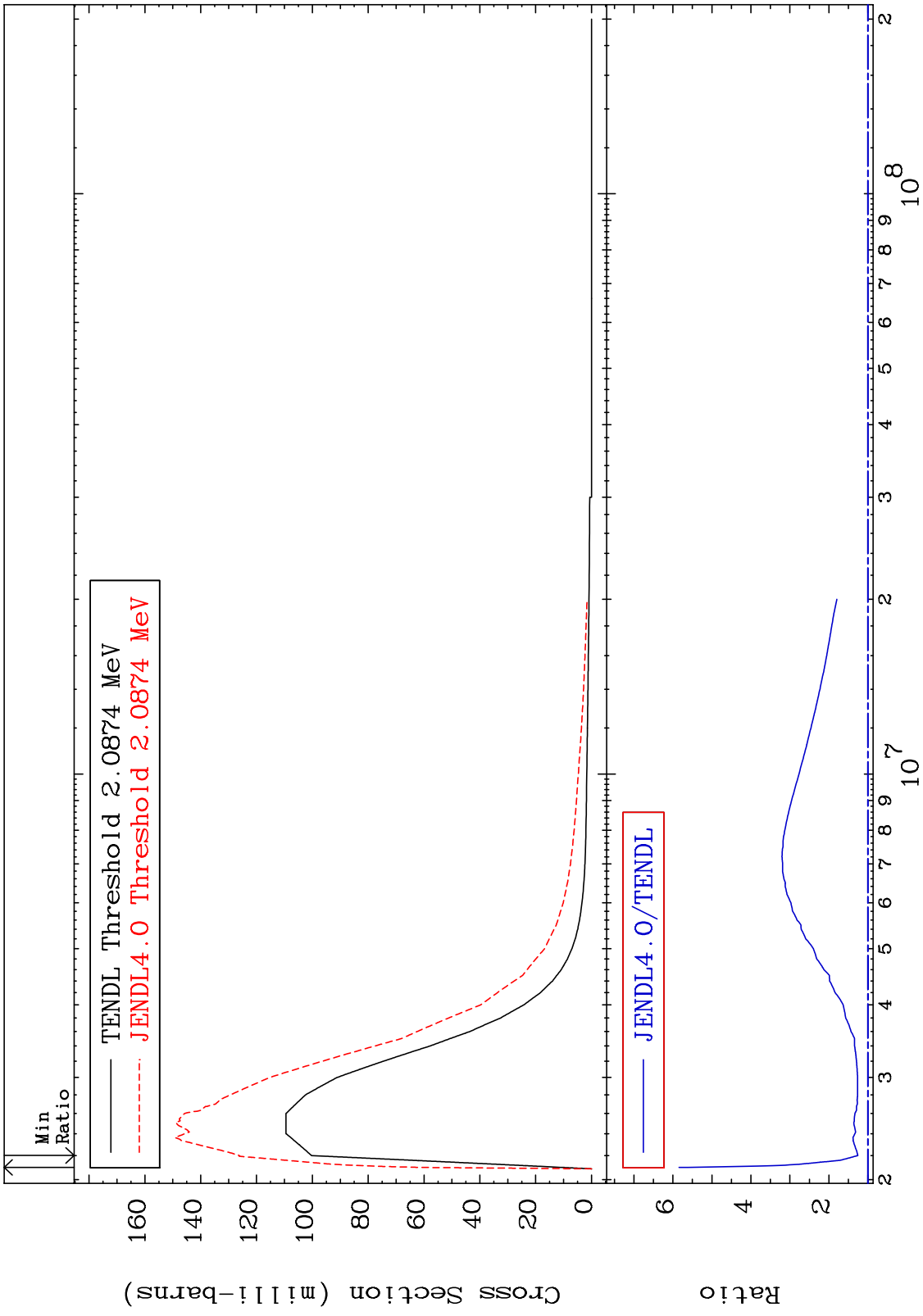
MAT 6031 MT= 54 (n,n') Level Cross Section 60-Nd-144 To 89.67 %



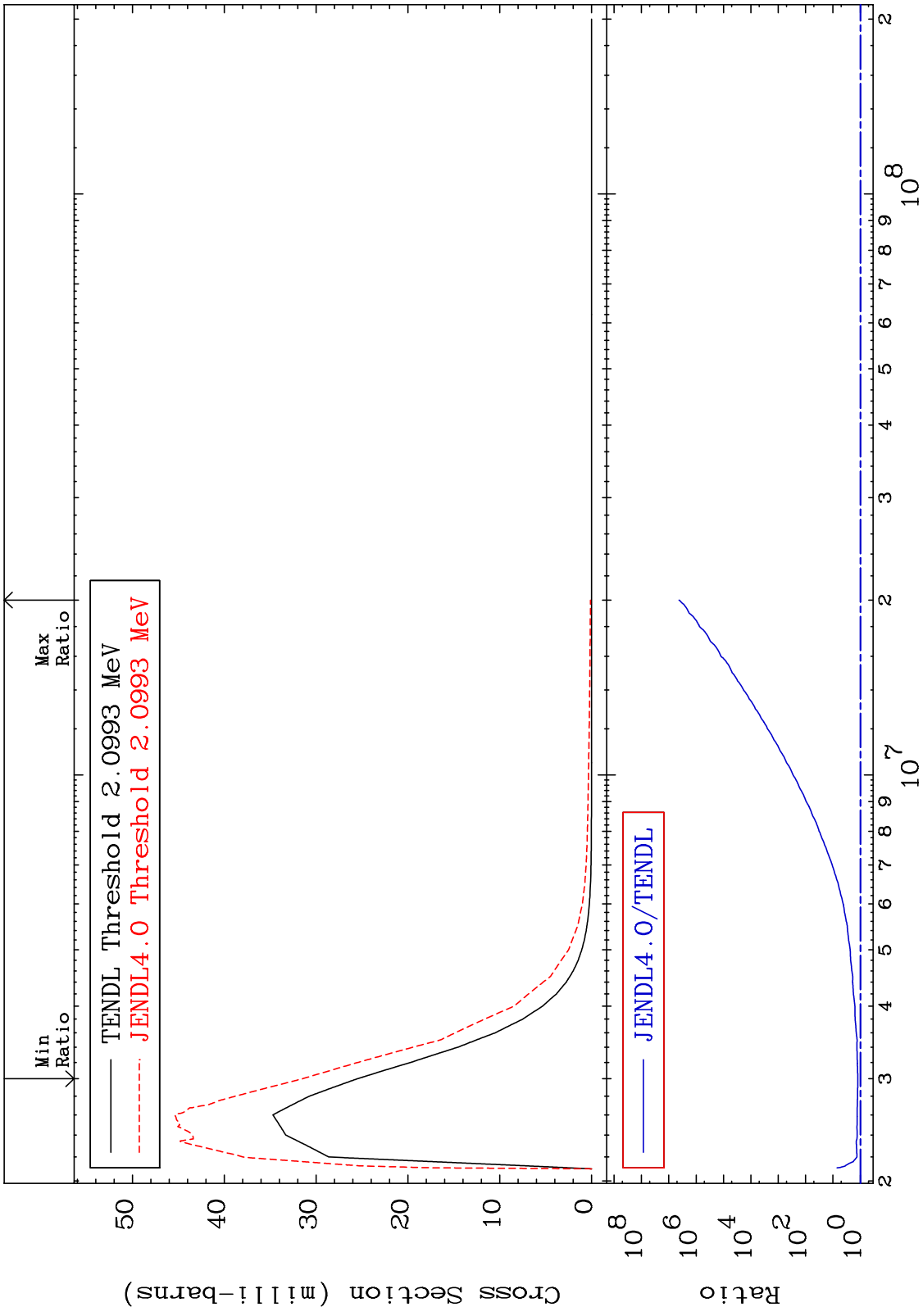
MAT 6031 MT= 55 (n,n') Level Cross Section 60-Nd-144
 -35.14 To 1114. %



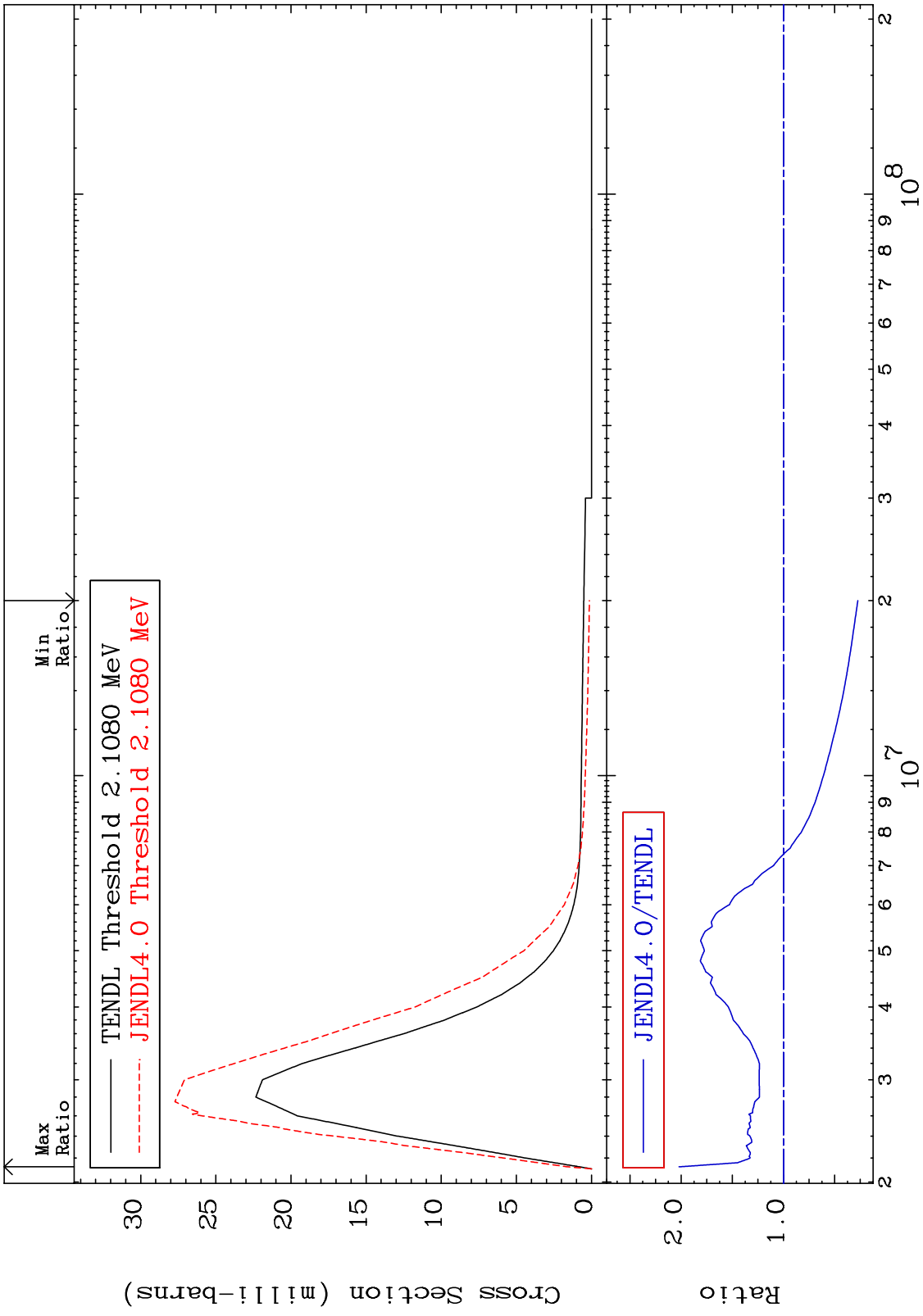
MAT 6031 MT= 56 (n,n') Level Cross Section 60-Nd-144 25.83 To 484.2 %



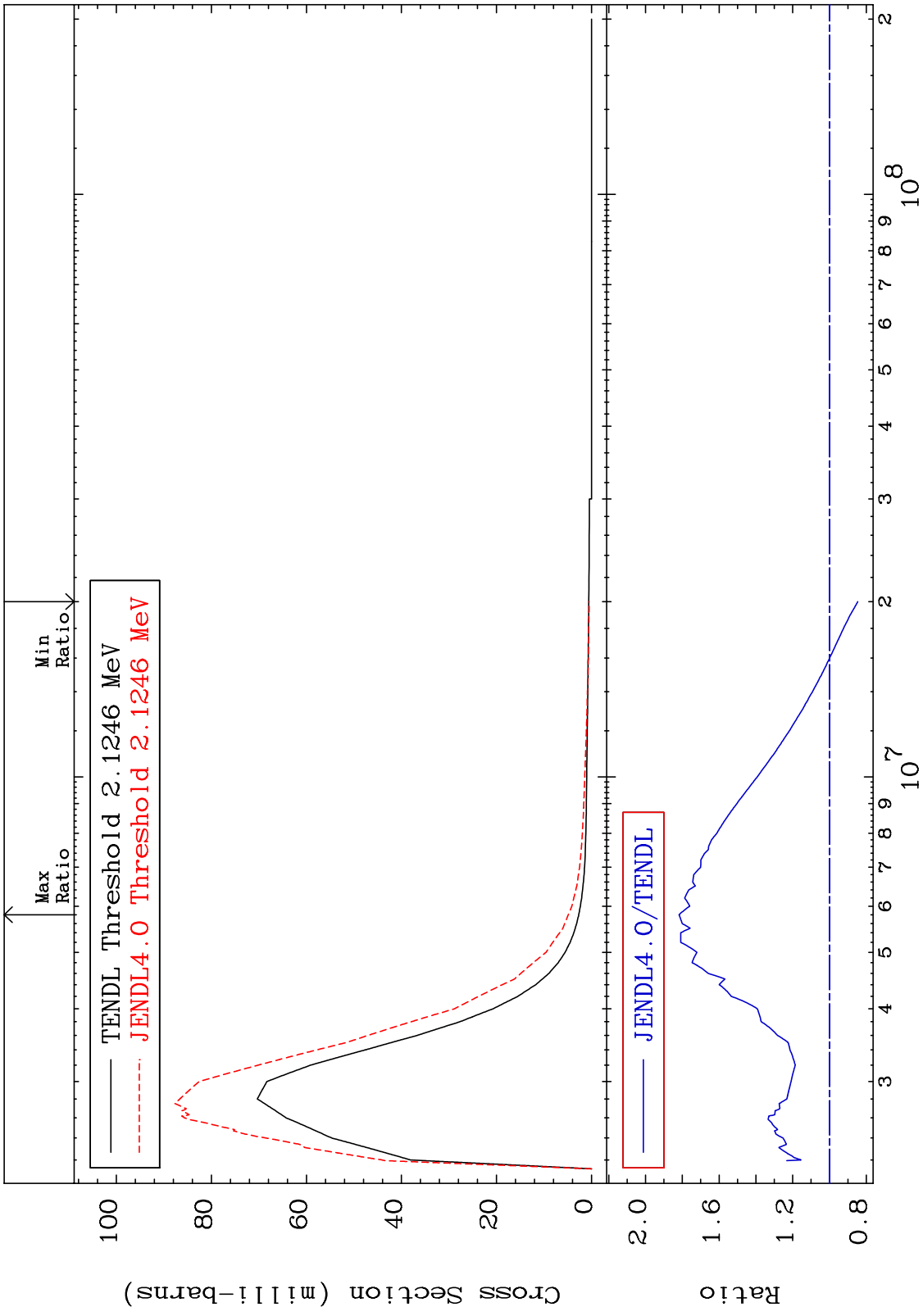
MAT 6031 MT= 57 (n,n') Level Cross Section 60-Nd-144 To 9999. %
 23.39



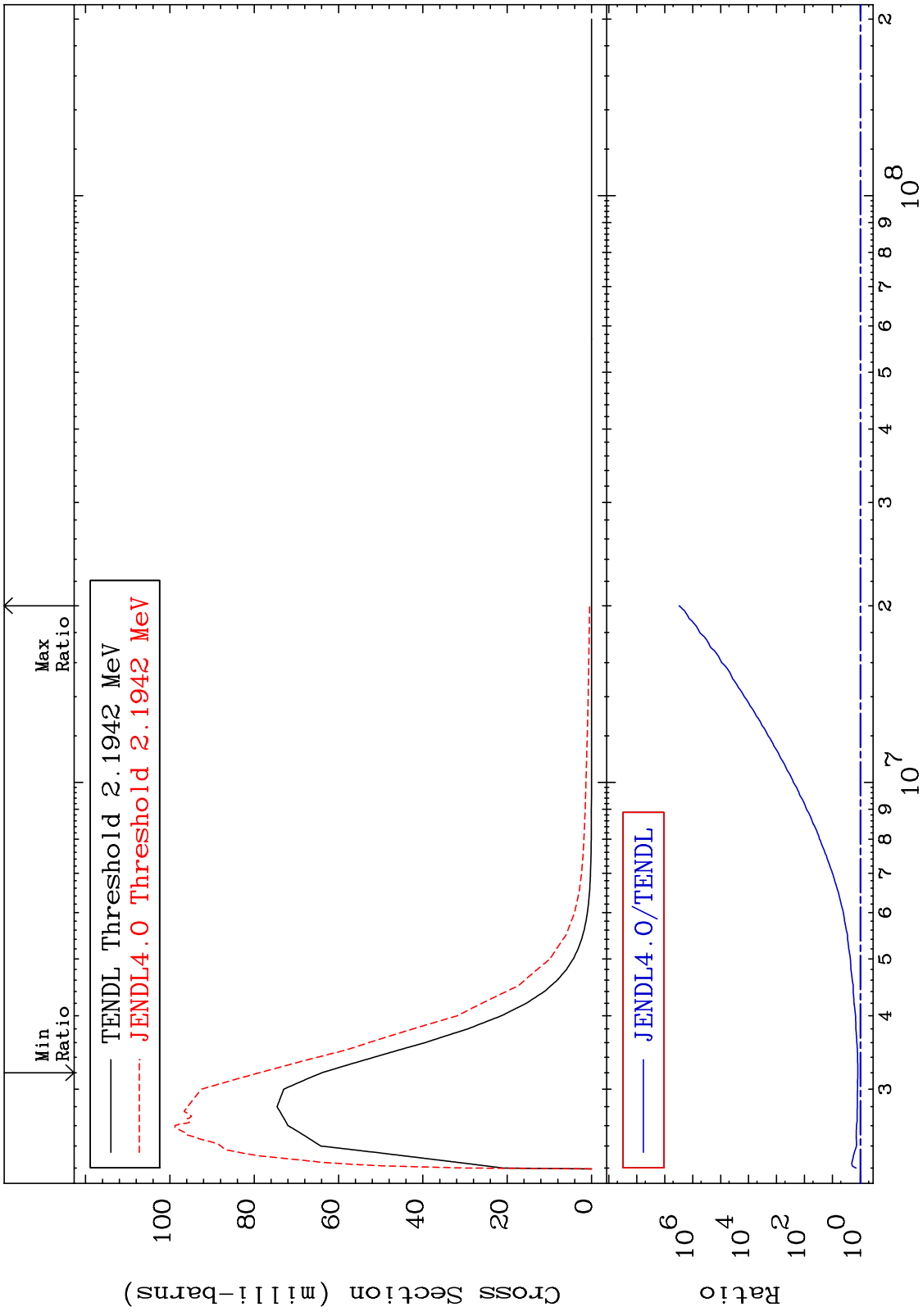
MAT 6031 MT= 58 (n,n') Level Cross Section 60-Nd-144
 -72.63 To 102.1 %



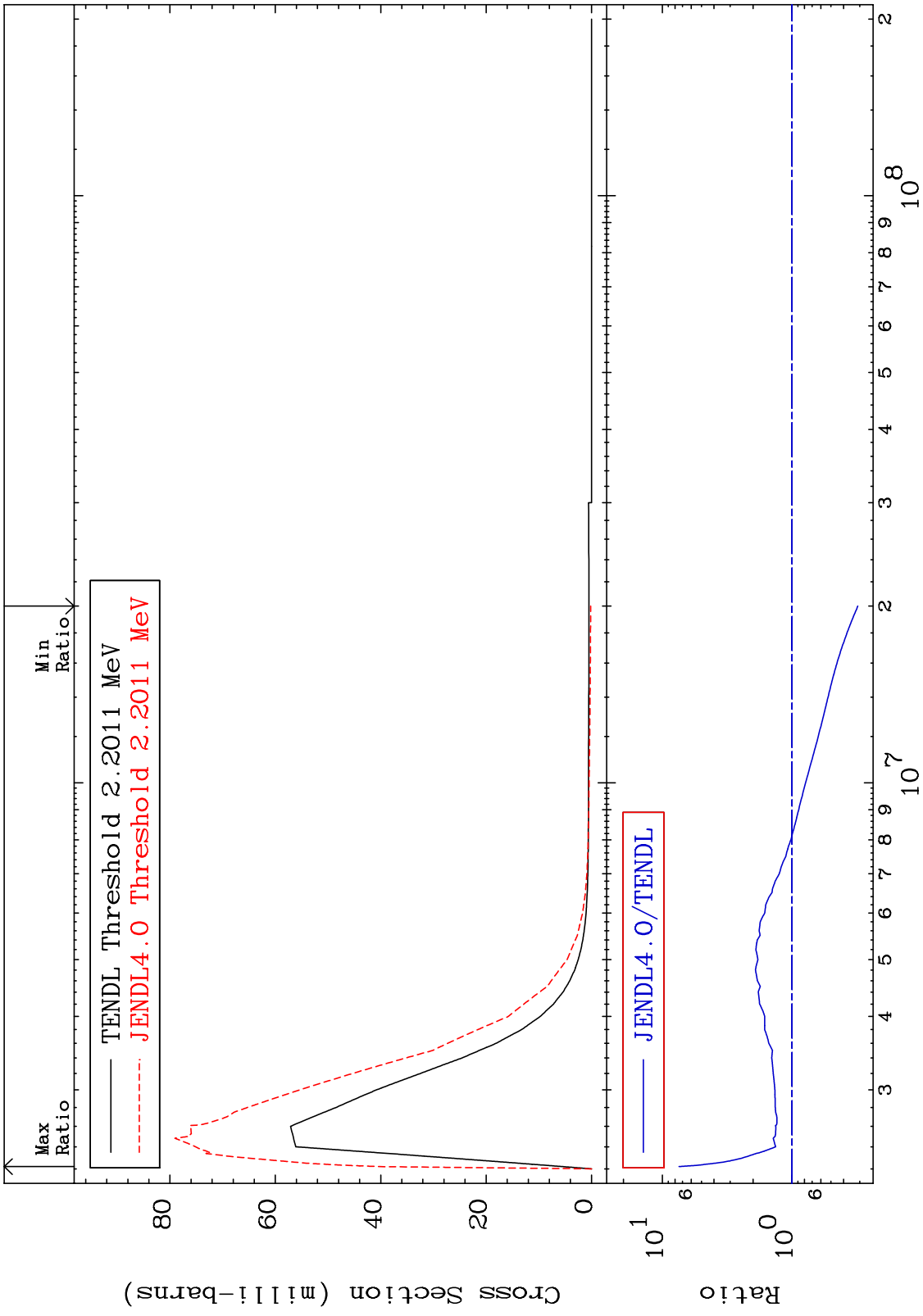
MAT 6031 MT= 59 (n,n') Level Cross Section 60-Nd-144 -15.39 To 81.78 %



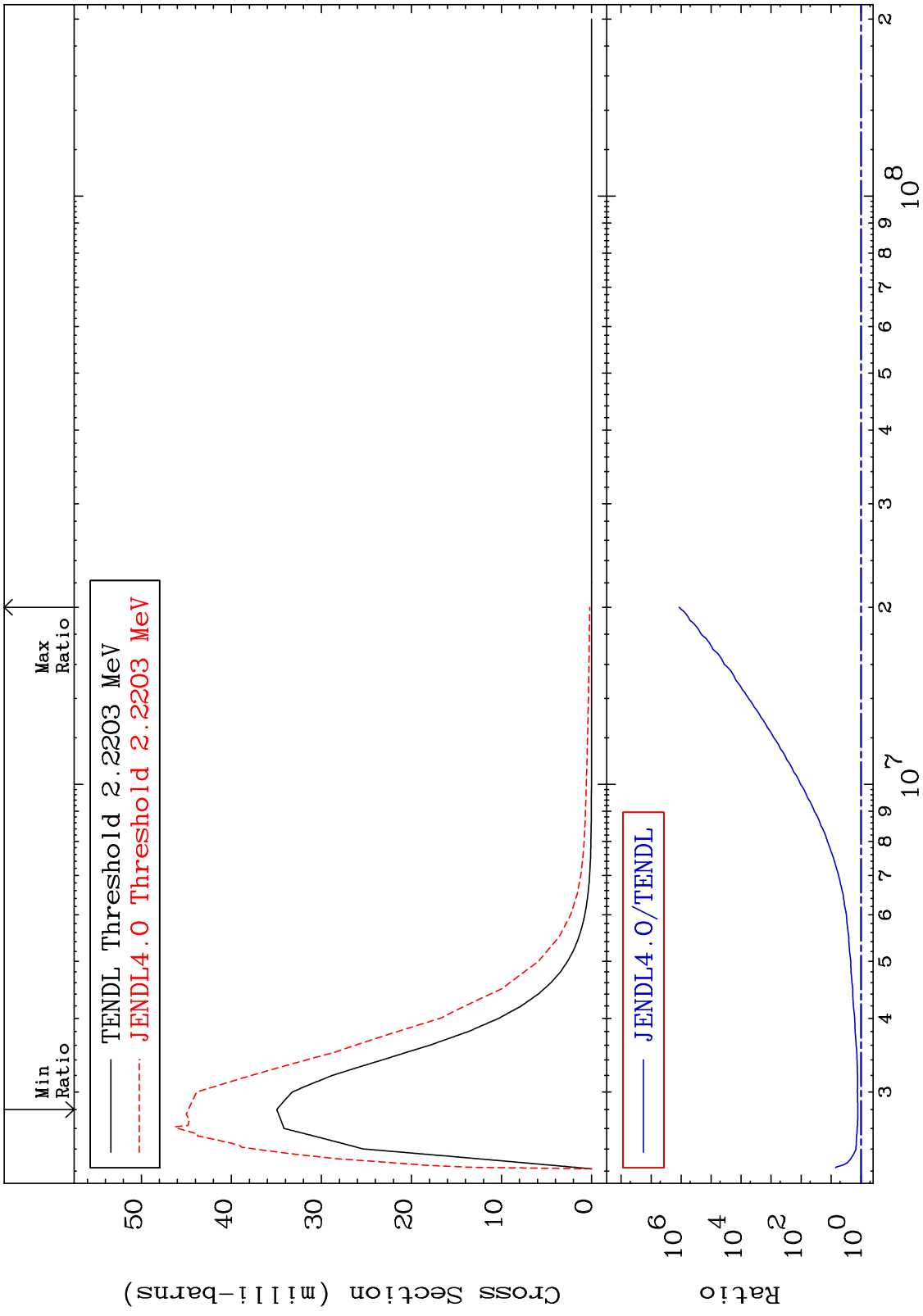
MAT 6031 MT= 60 (n,n') Level Cross Section 60-Nd-144 To 9999. %
 23.13



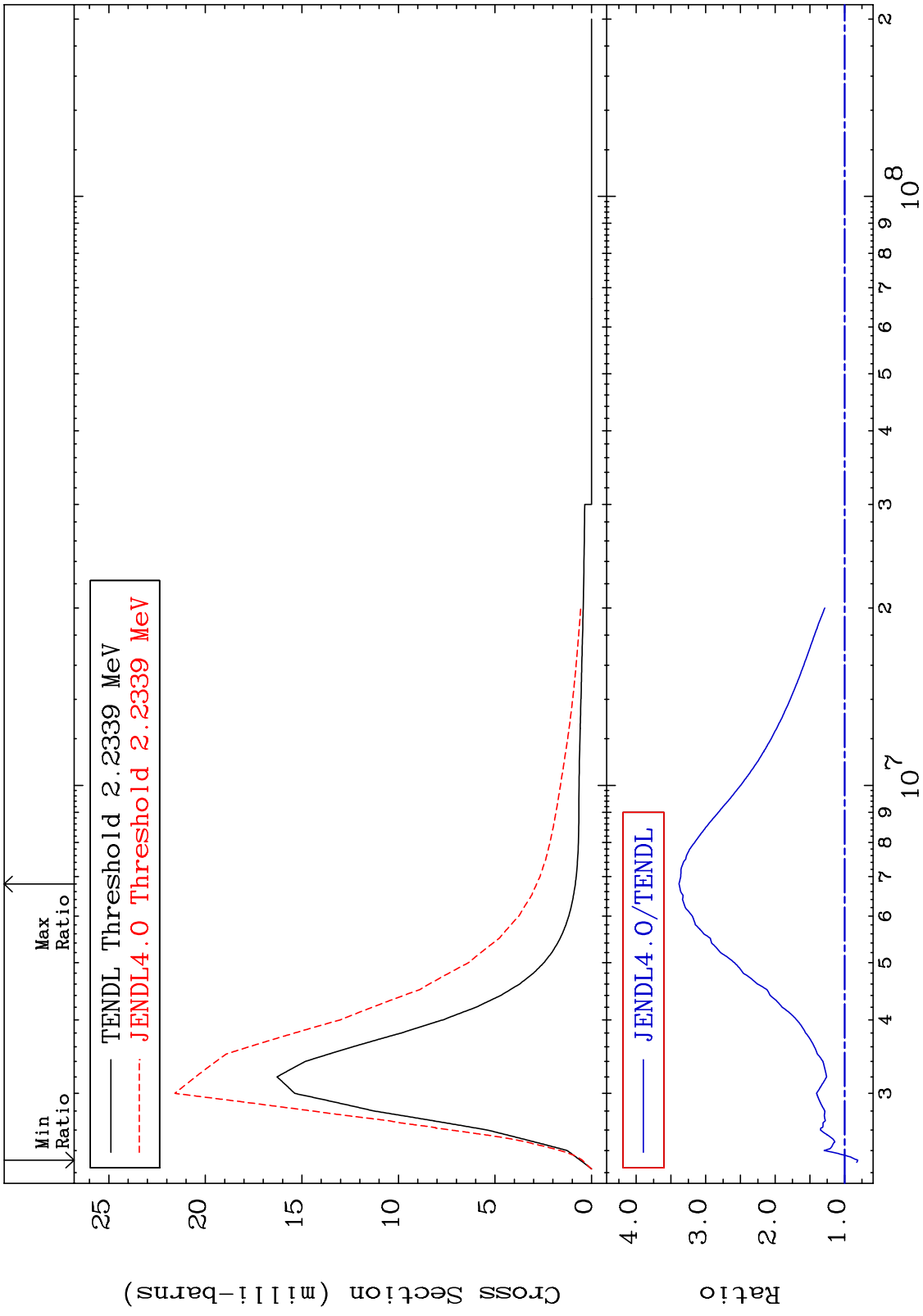
MAT 6031 MT= 61 (n,n') Level Cross Section 60-Nd-144
 -68.96 To 644.4 %



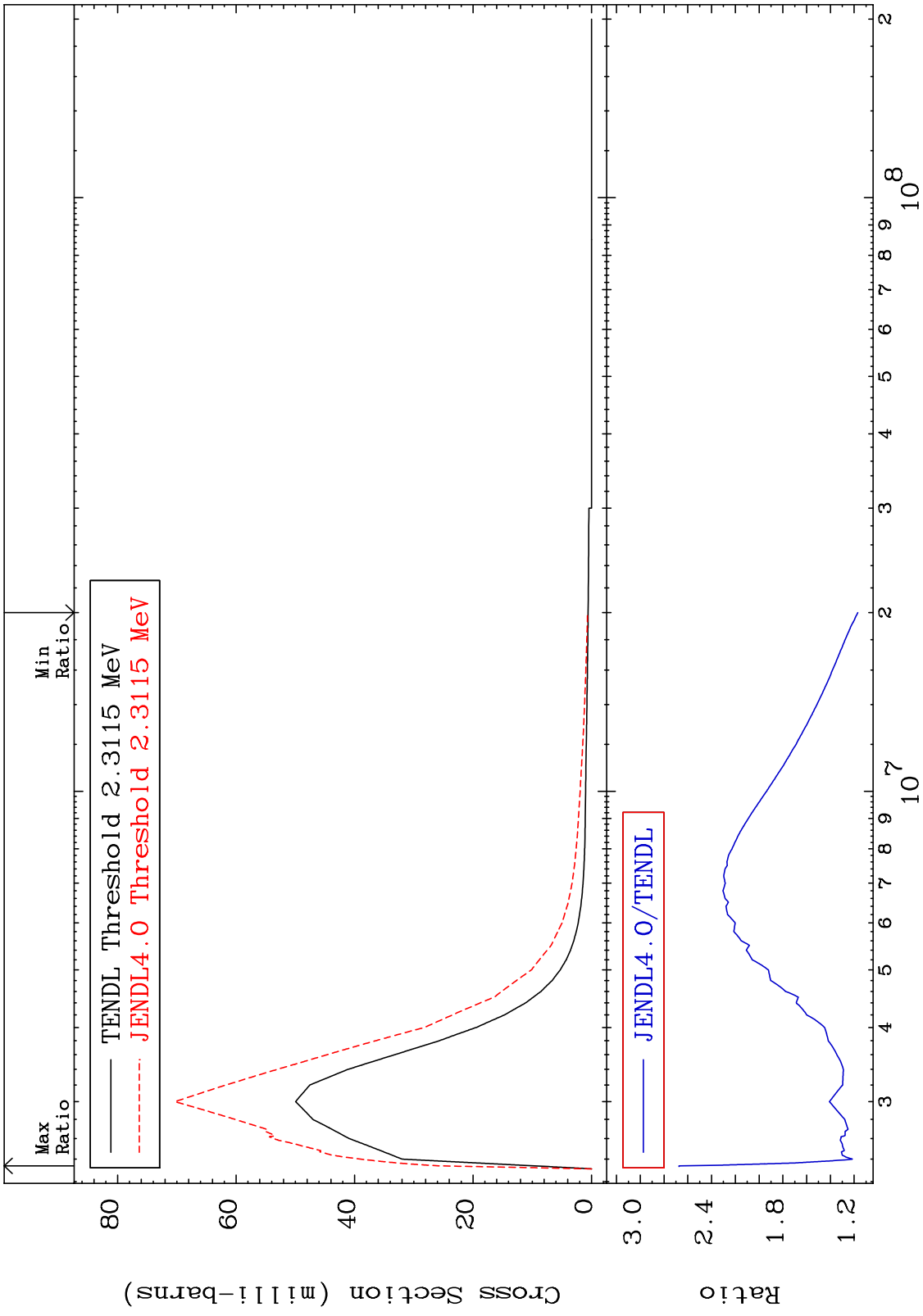
MAT 6031 MT= 62 (n,n') Level Cross Section 60-Nd-144 To 9999. %
 28.06



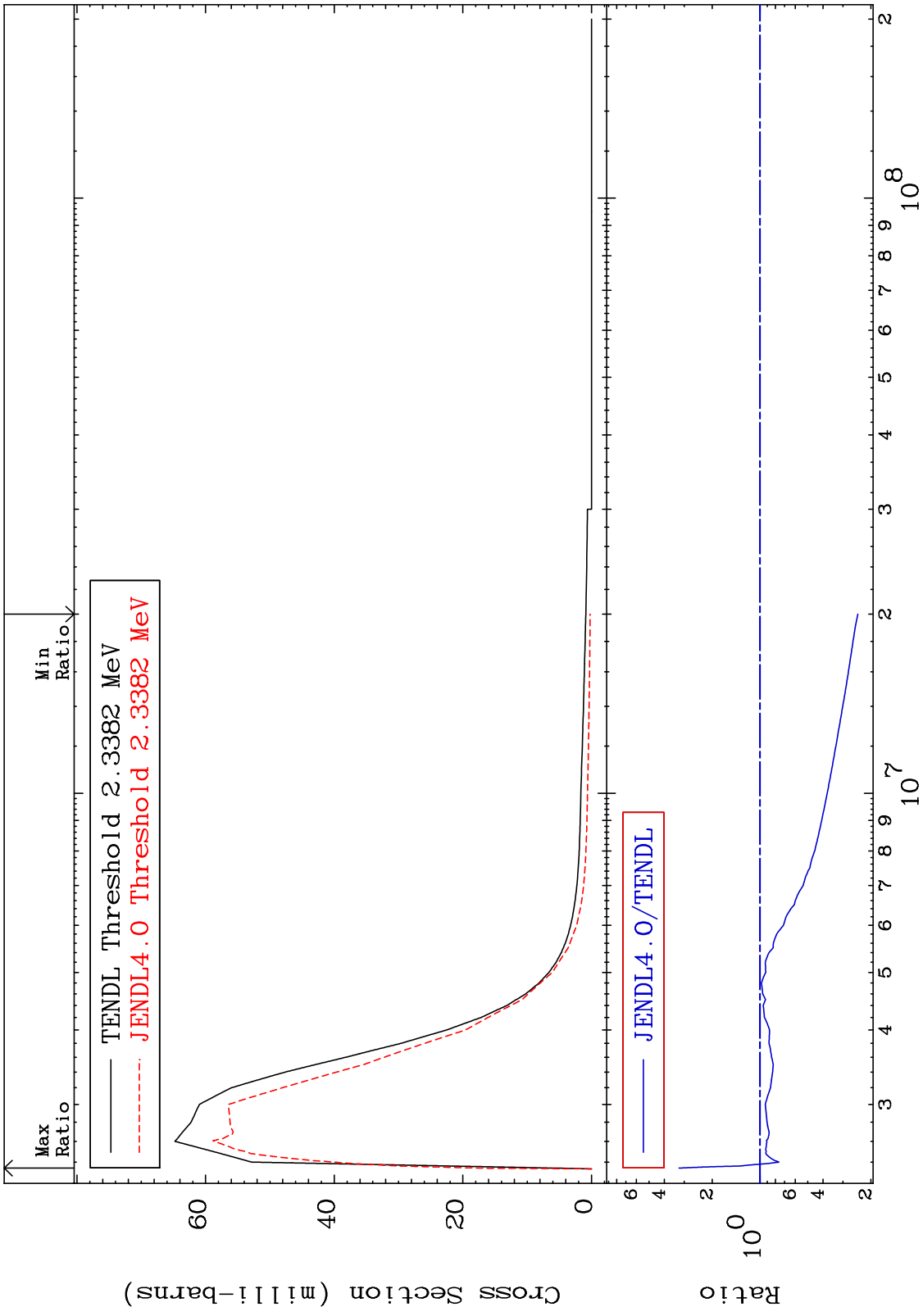
MAT 6031 MT= 63 (n,n') Level Cross Section 60-Nd-144
 -19.02 To 238.3 %



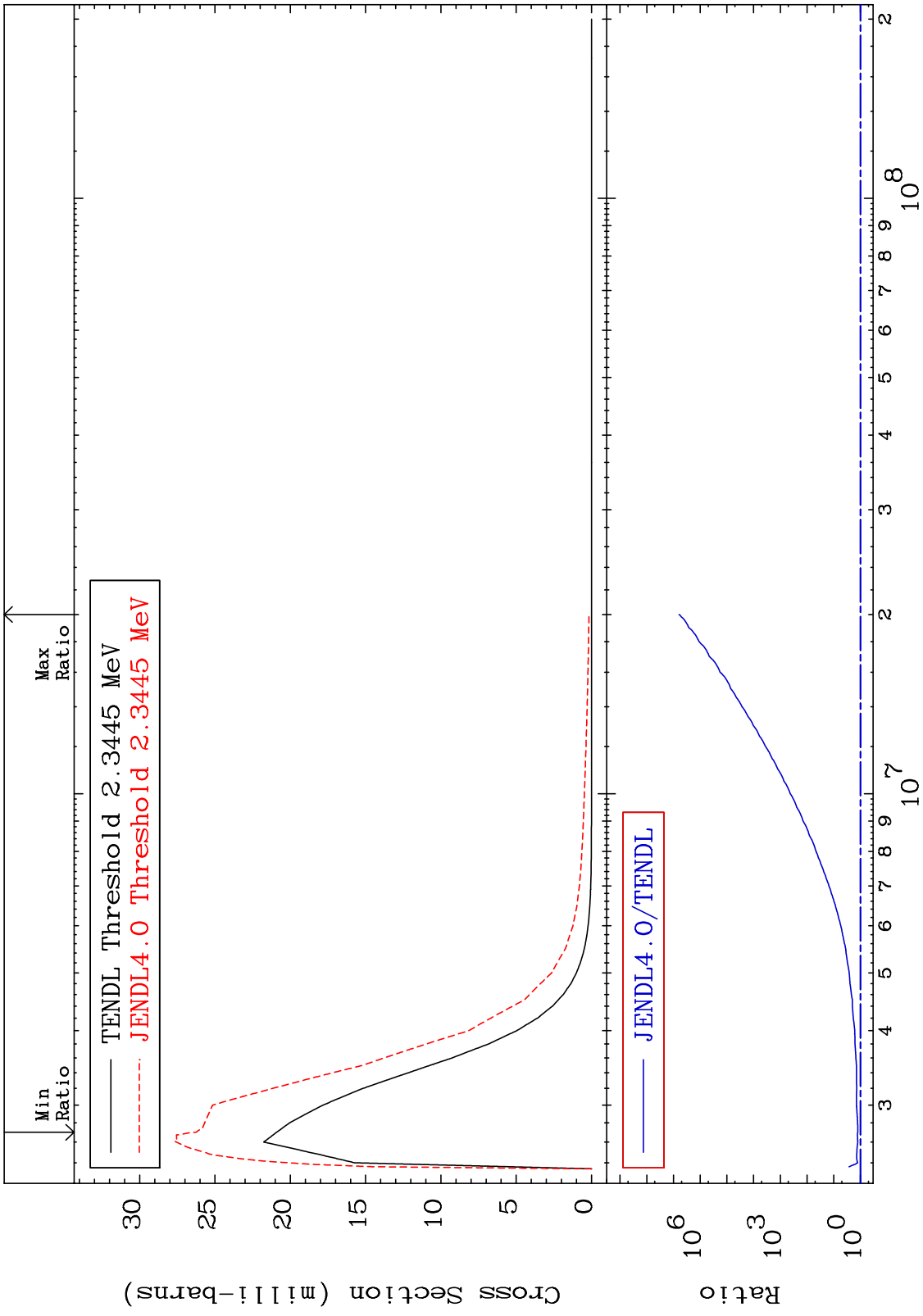
MAT 6031 MT= 64 (n,n') Level Cross Section 60-Nd-144 To 167.4 %



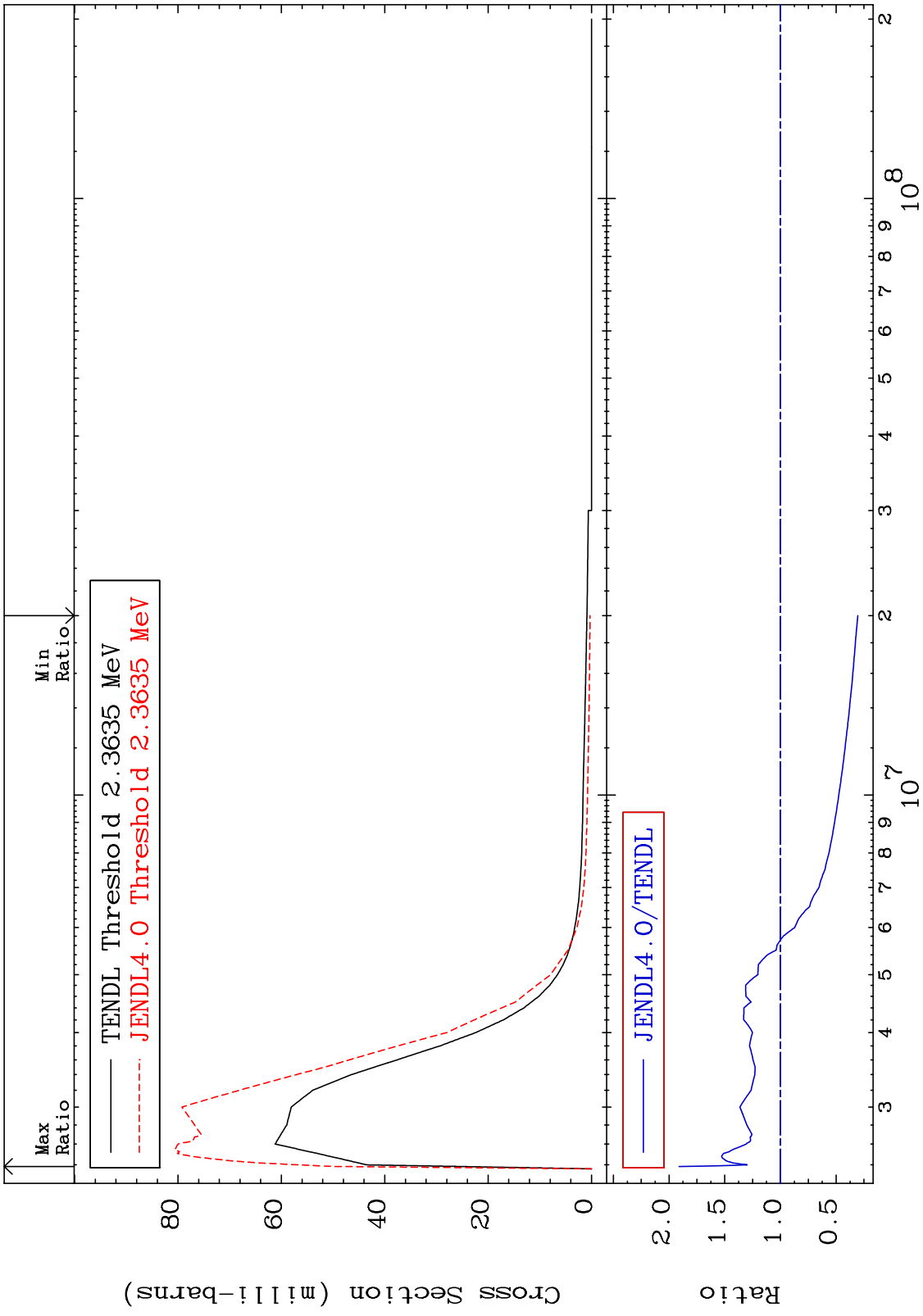
MAT 6031 MT= 65 (n,n') Level Cross Section 60-Nd-144 -75.82 To 223.4 %



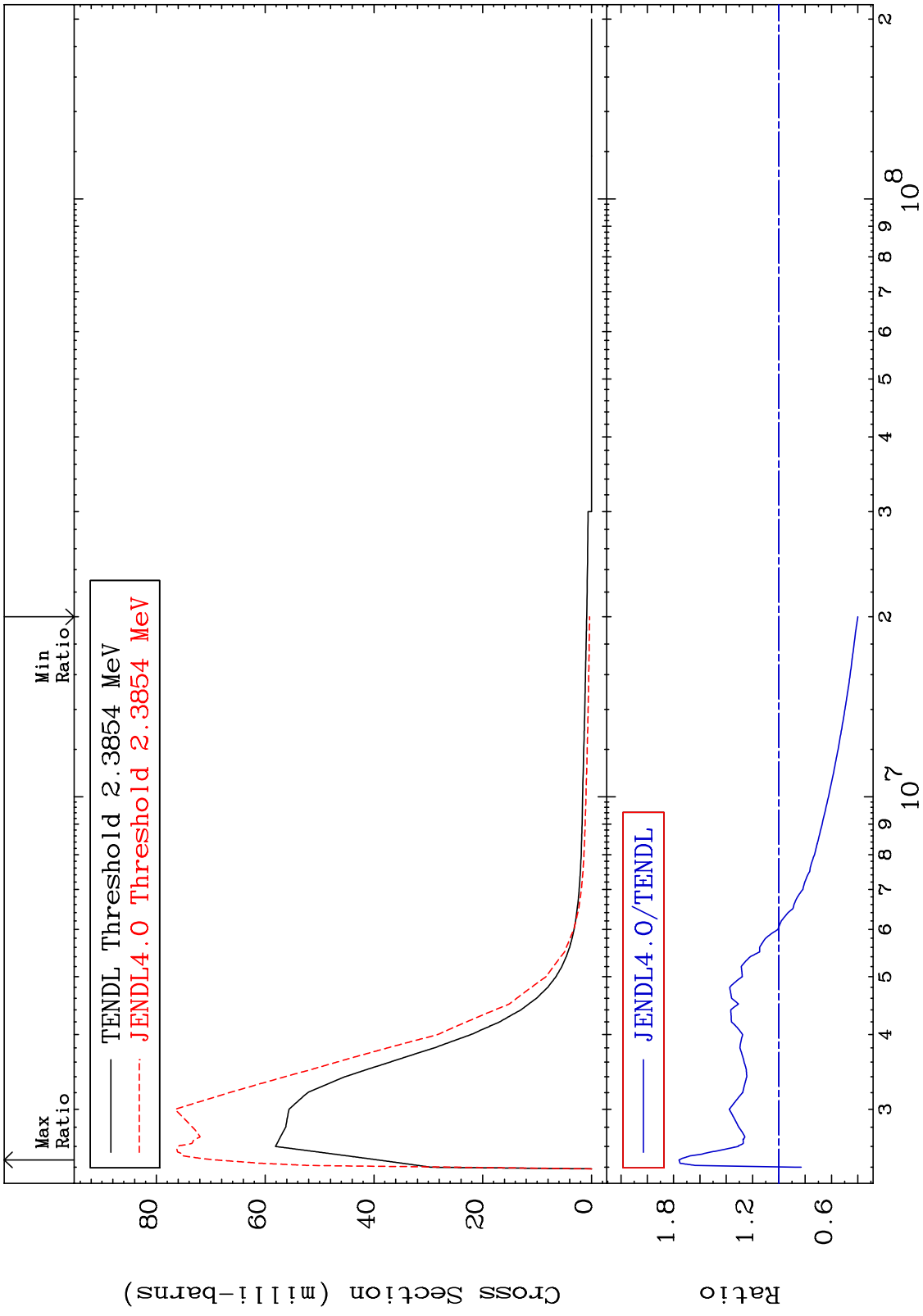
MAT 6031 MT= 66 (n,n') Level Cross Section 60-Nd-144 25.62 To 9999. %



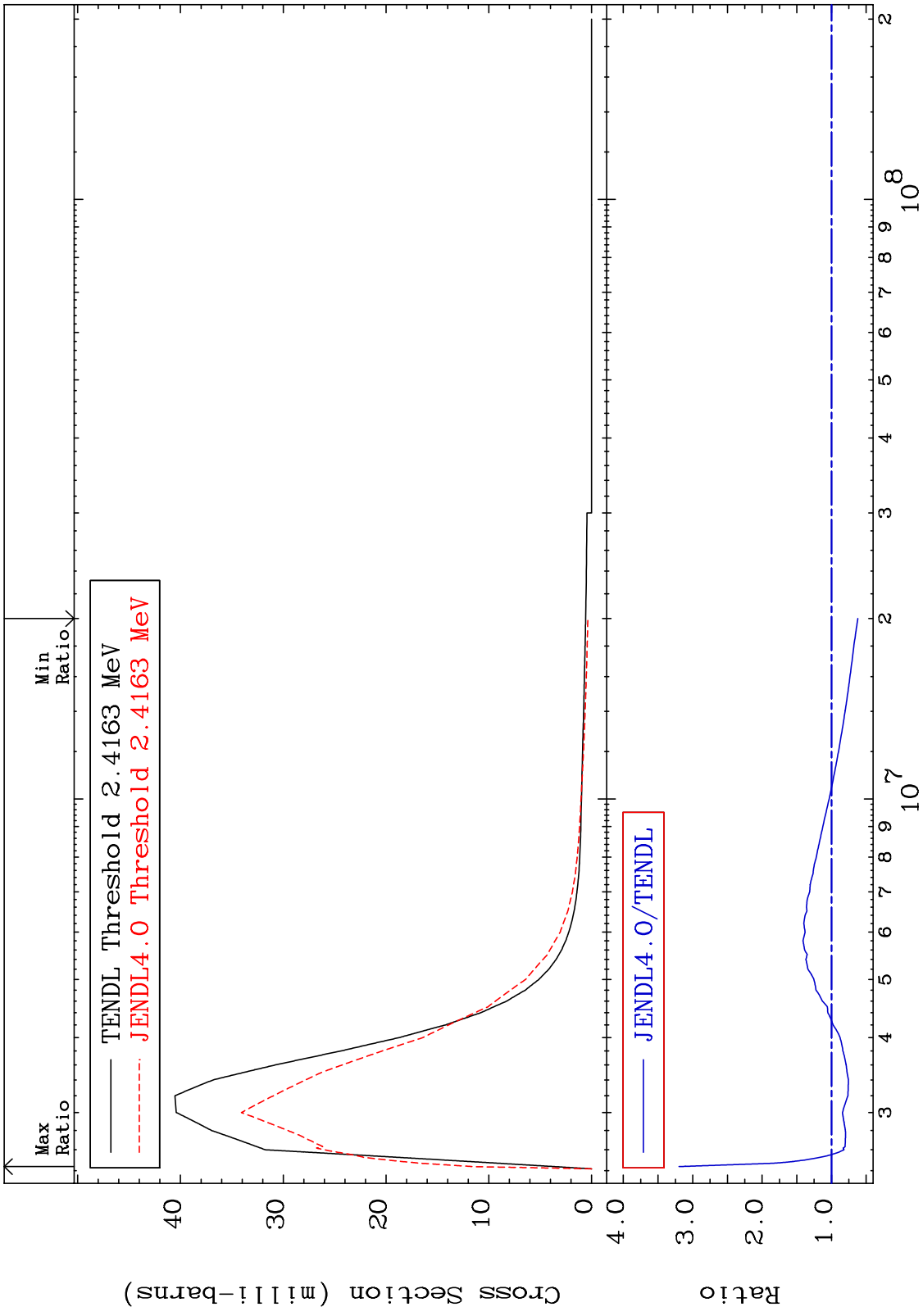
MAT 6031 MT= 67 (n,n') Level Cross Section 60-Nd-144 -69.50 To 91.06 %



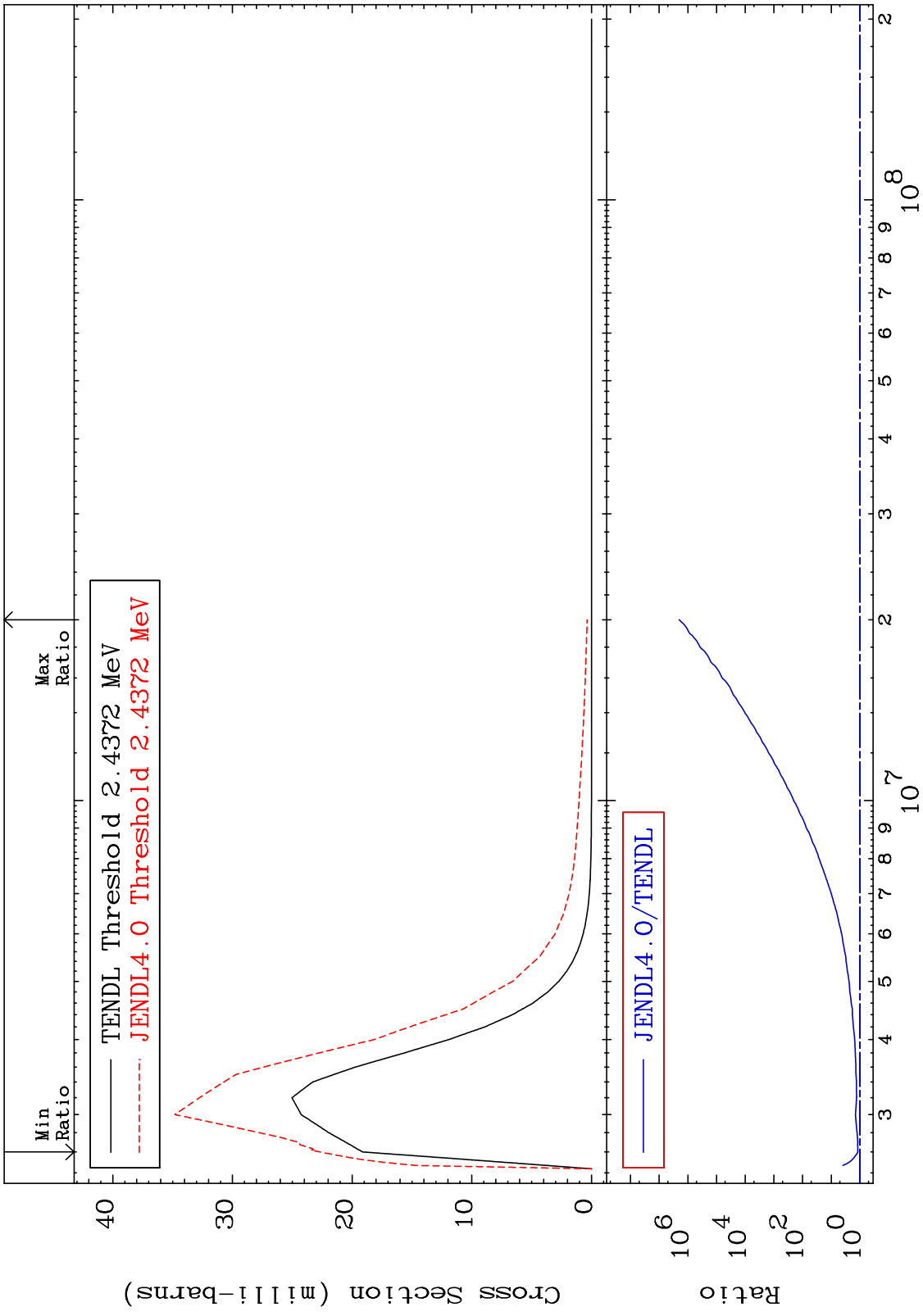
MAT 6031 MT= 68 (n,n') Level Cross Section 60-Nd-144
 -60.02 To 75.87 %



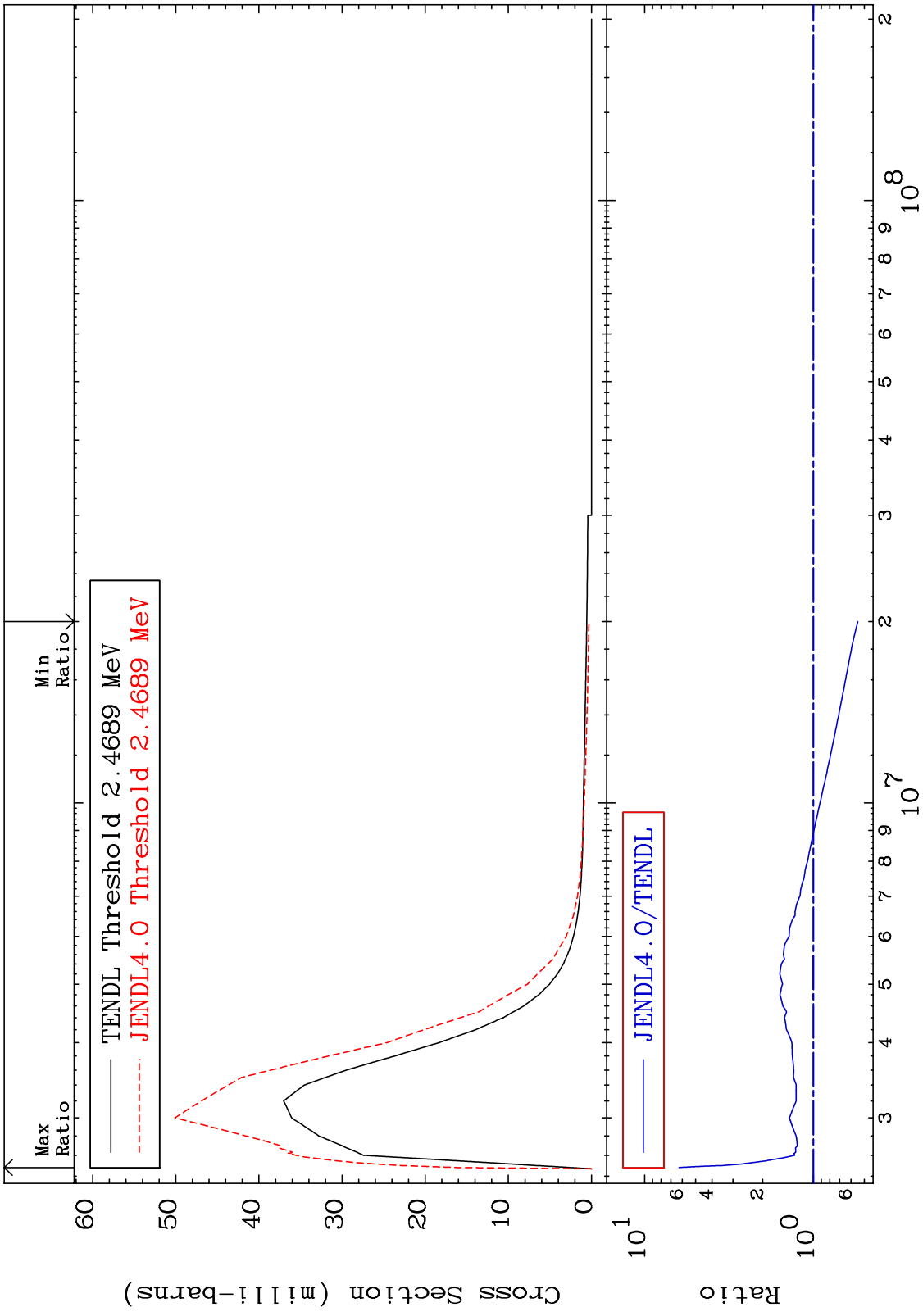
MAT 6031 MT= 69 (n,n') Level Cross Section 60-Nd-144
 -37.95 To 219.7 %



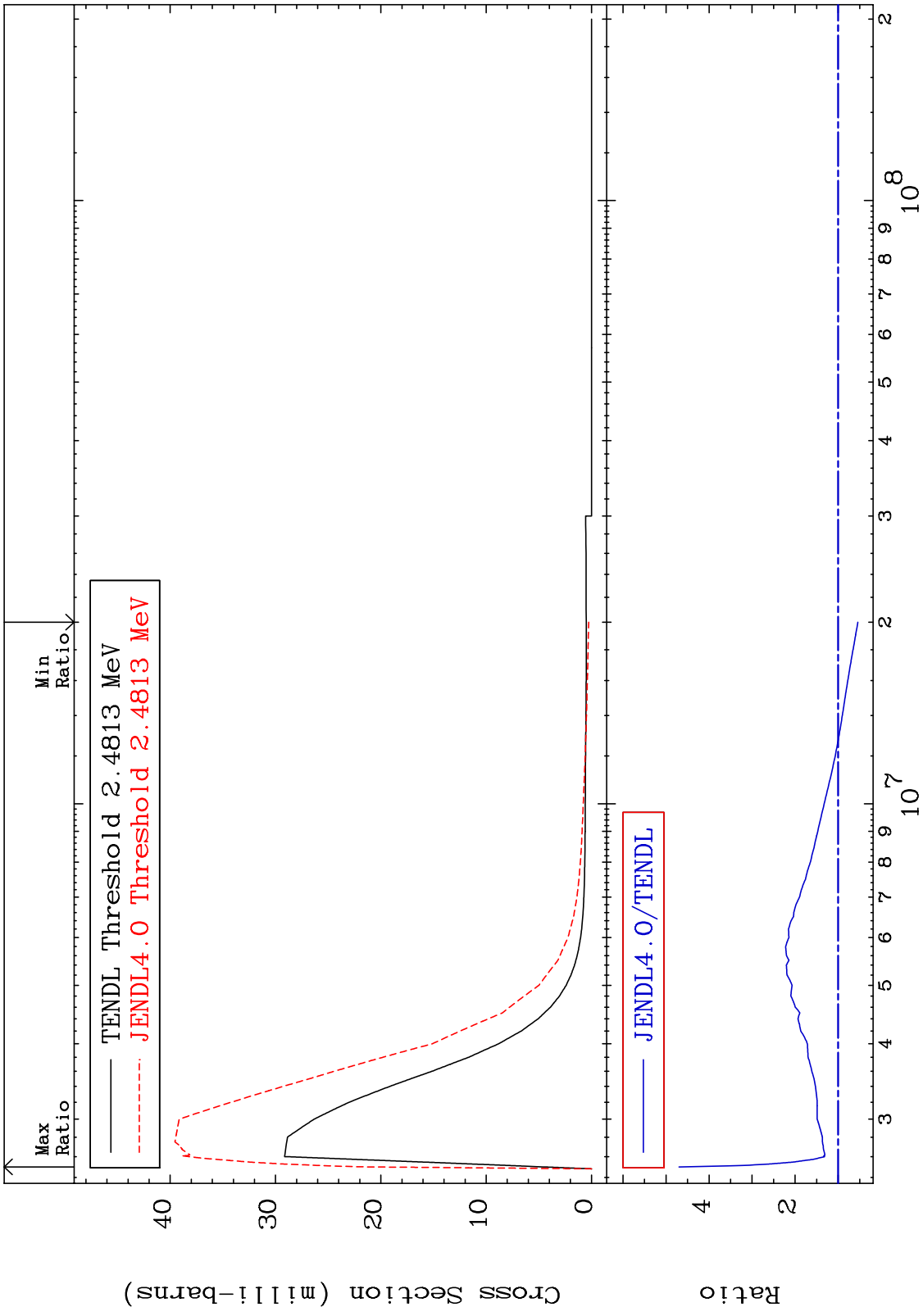
MAT 6031 MT= 70 (n,n') Level Cross Section 60-Nd-144 18.54 To 9999. %



MAT 6031 MT= 71 (n,n') Level Cross Section 60-Nd-144
 -45.40 To 526.2 %

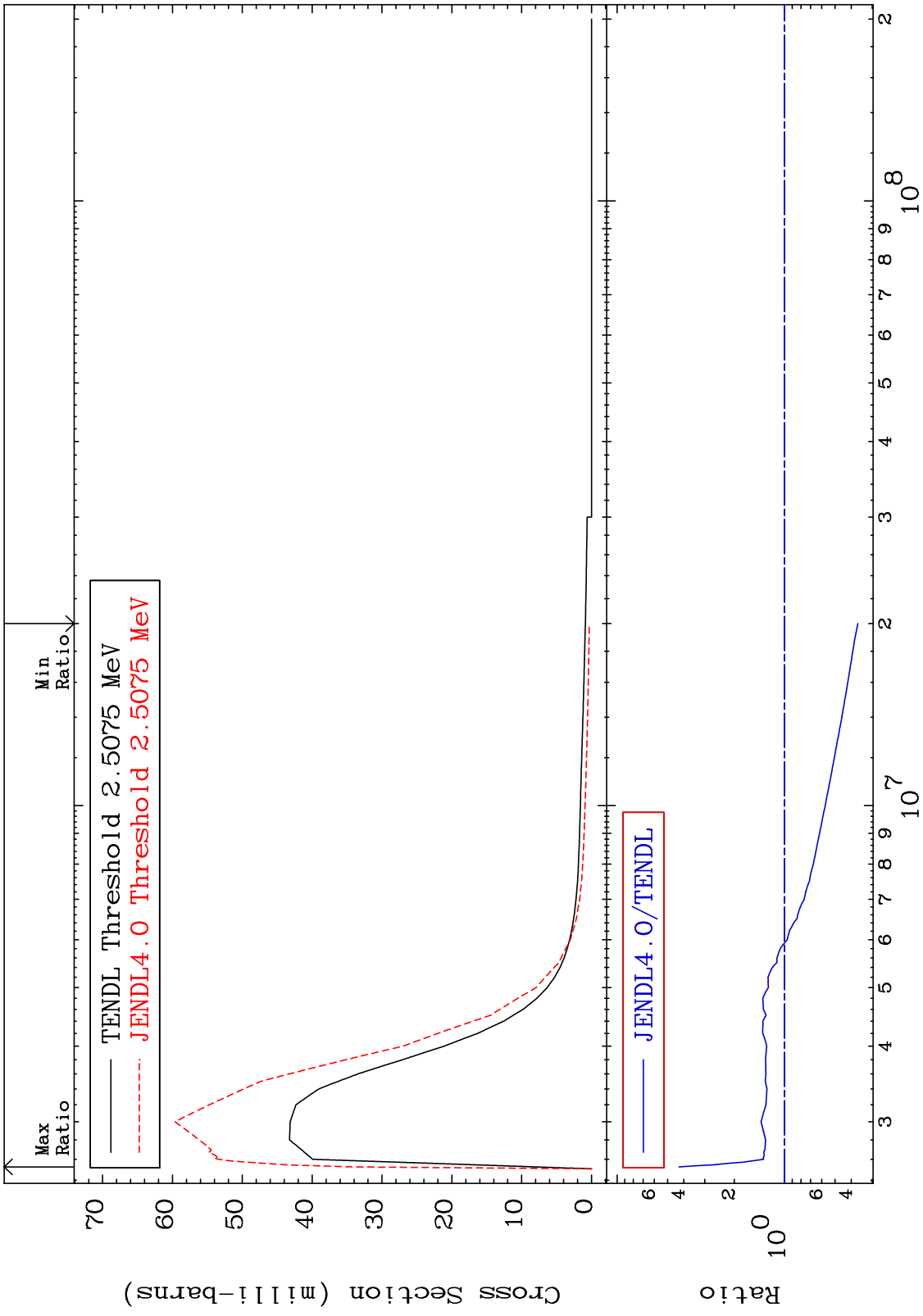


MAT 6031 MT= 72 (n,n') Level Cross Section 60-Nd-144
 -45.76 To 369.8 %

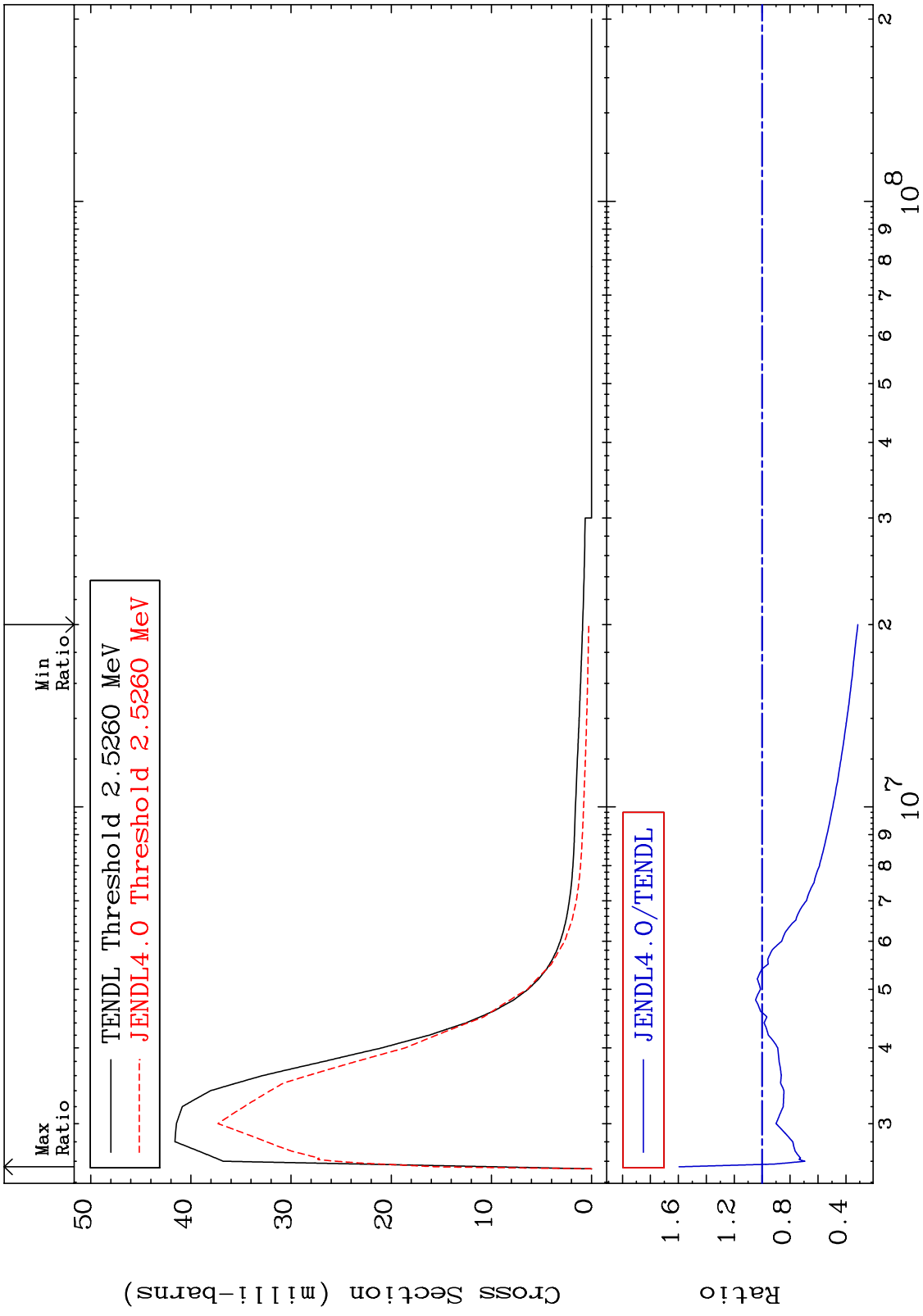


Incident Energy (eV) 60-Nd-144

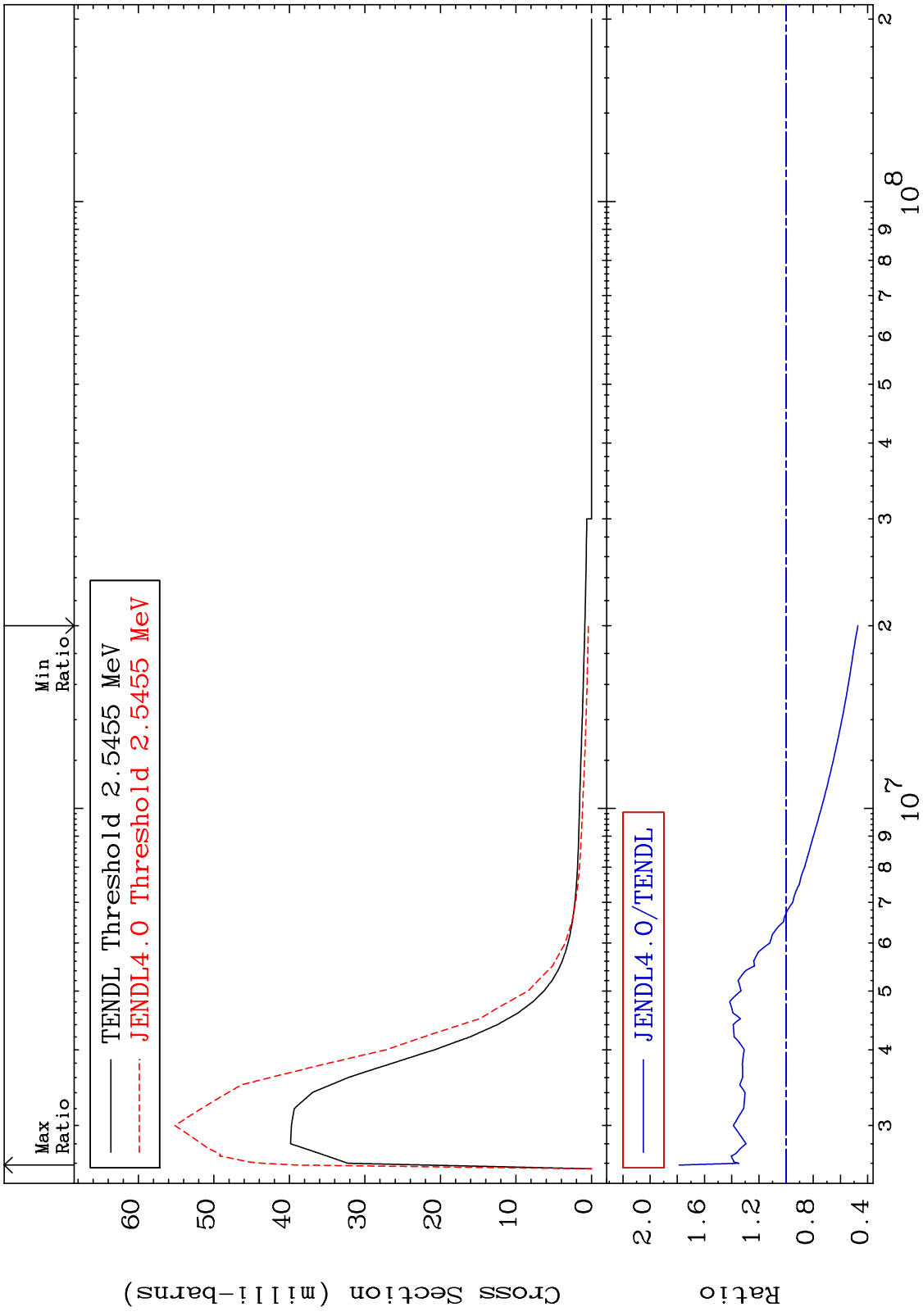
MAT 6031 MT= 73 (n,n') Level Cross Section 60-Nd-144 -63.45 To 326.8 %



MAT 6031 MT= 74 (n,n') Level Cross Section 60-Nd-144
 -68.55 To 59.49 %

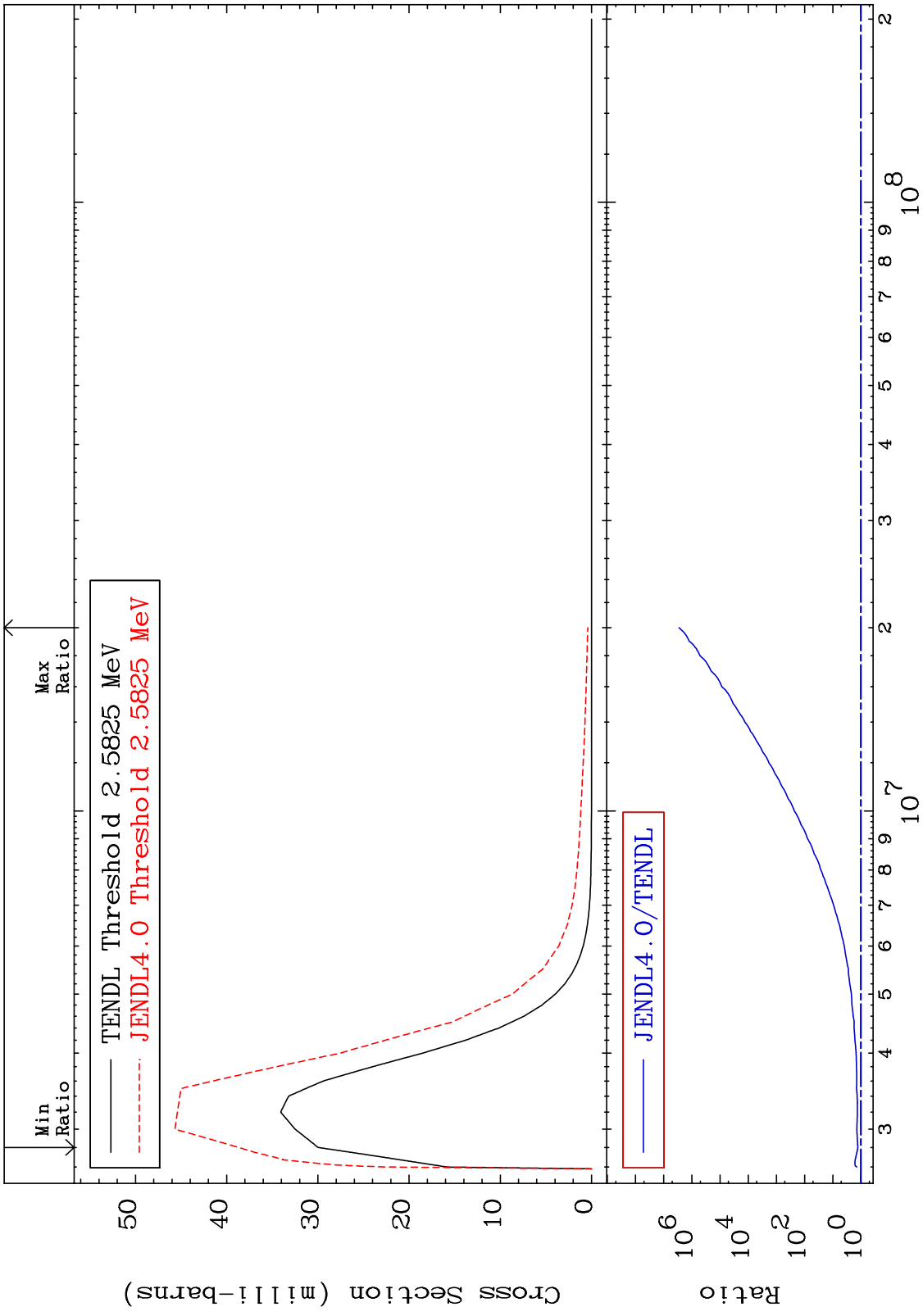


MAT 6031 MT= 75 (n,n') Level Cross Section 60-Nd-144
 -52.76 To 78.73 %

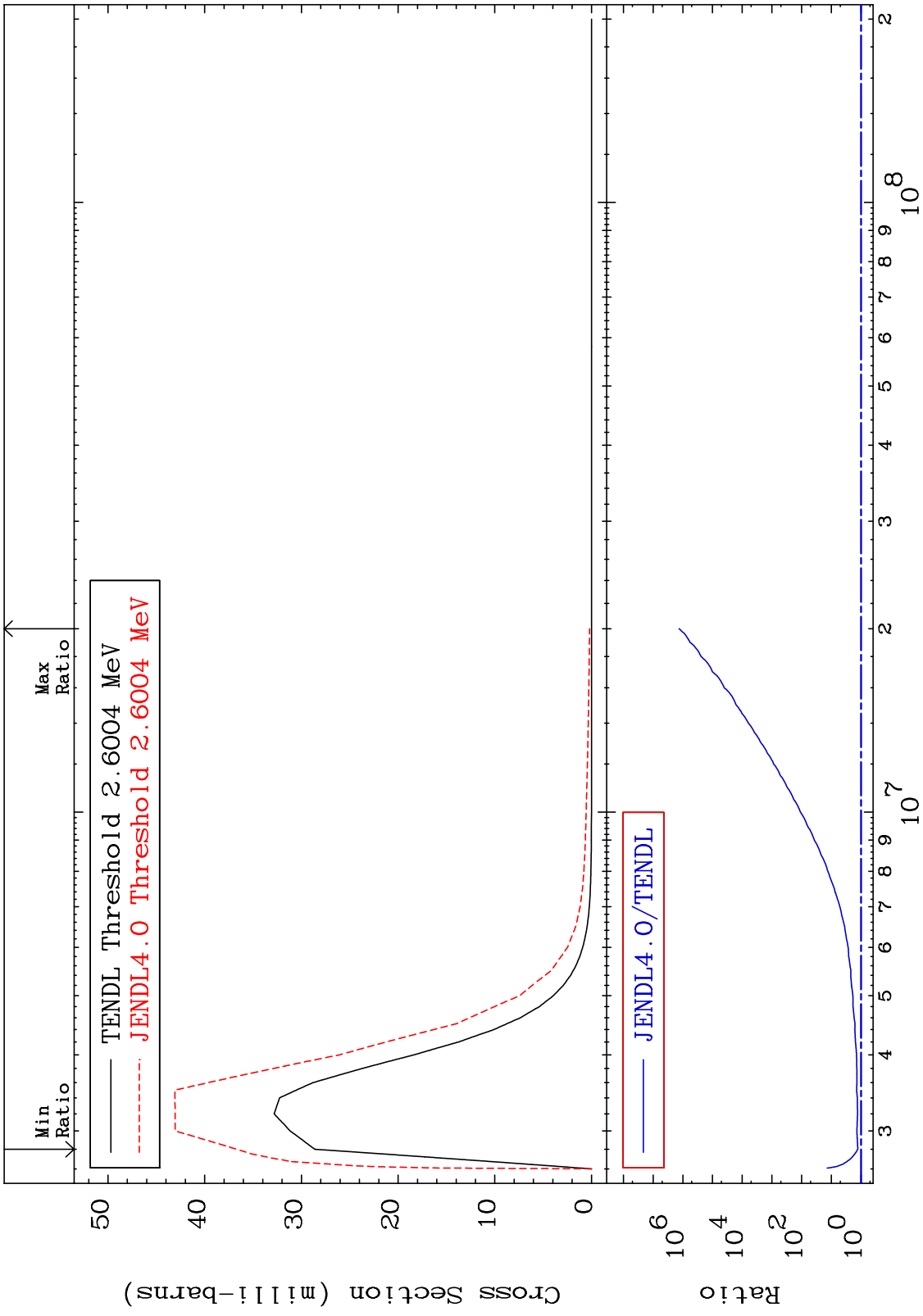


36 Incident Energy (eV) 60-Nd-144

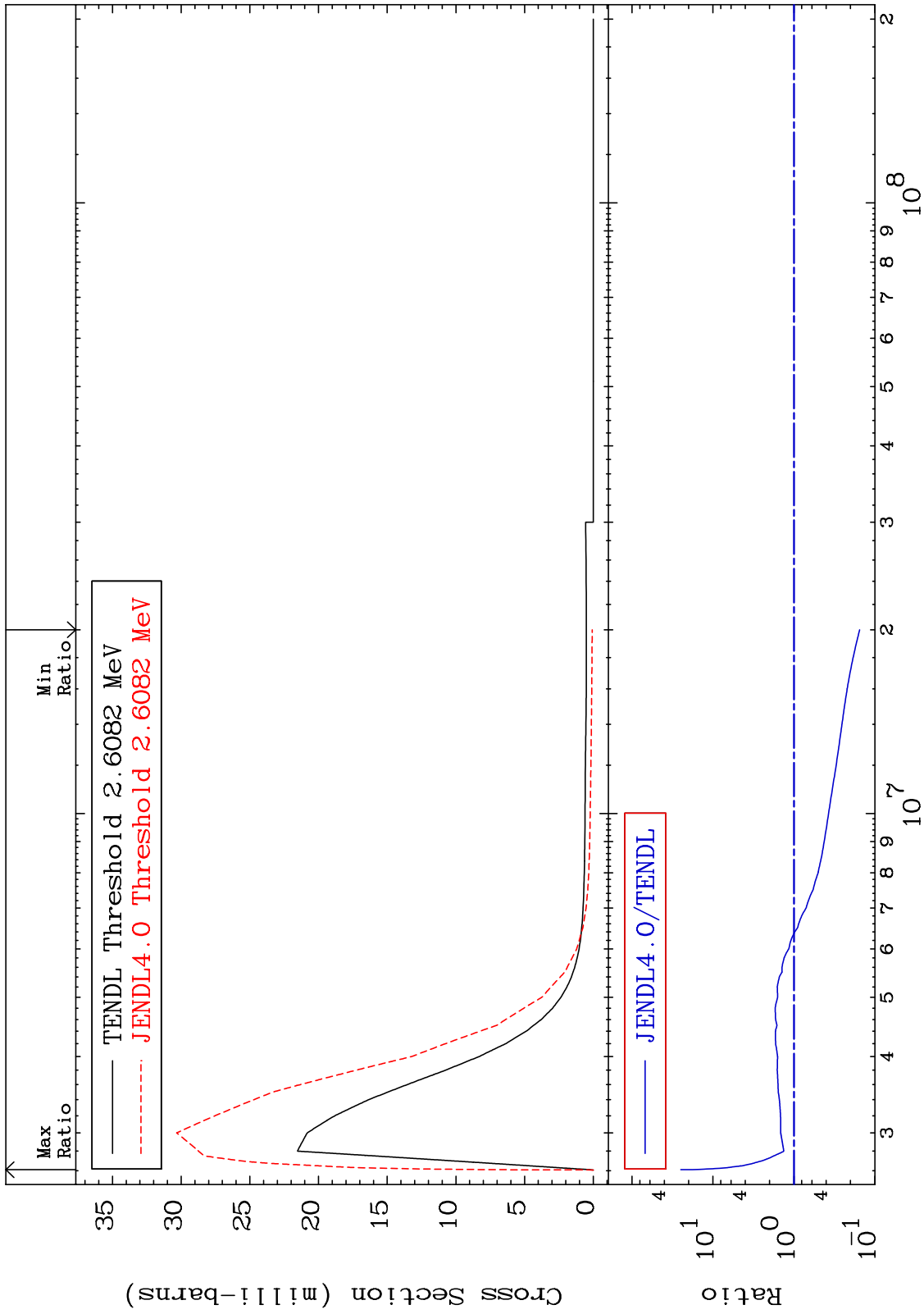
MAT 6031 MT= 76 (n,n') Level Cross Section 60-Nd-144 To 9999. %



MAT 6031 MT= 77 (n,n') Level Cross Section 60-Nd-144
 28.17 To 9999. %



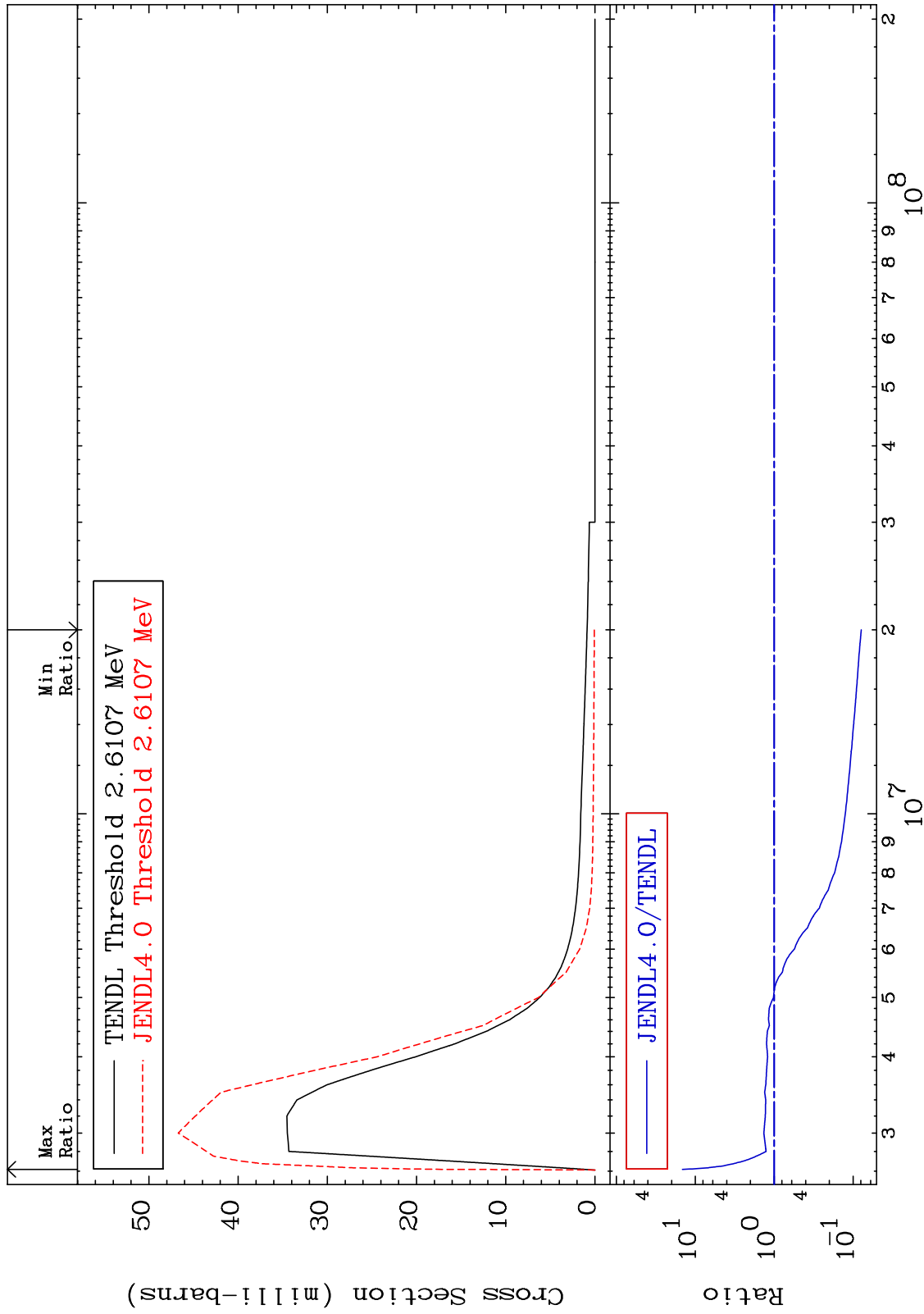
MAT 6031 MT= 78 (n,n') Level Cross Section 60-Nd-144
 -84.59 To 2396. %



MAT 6031

MT= 79 (n,n') Level
Cross Section

60-Nd-144
-92.12 To 1357. %

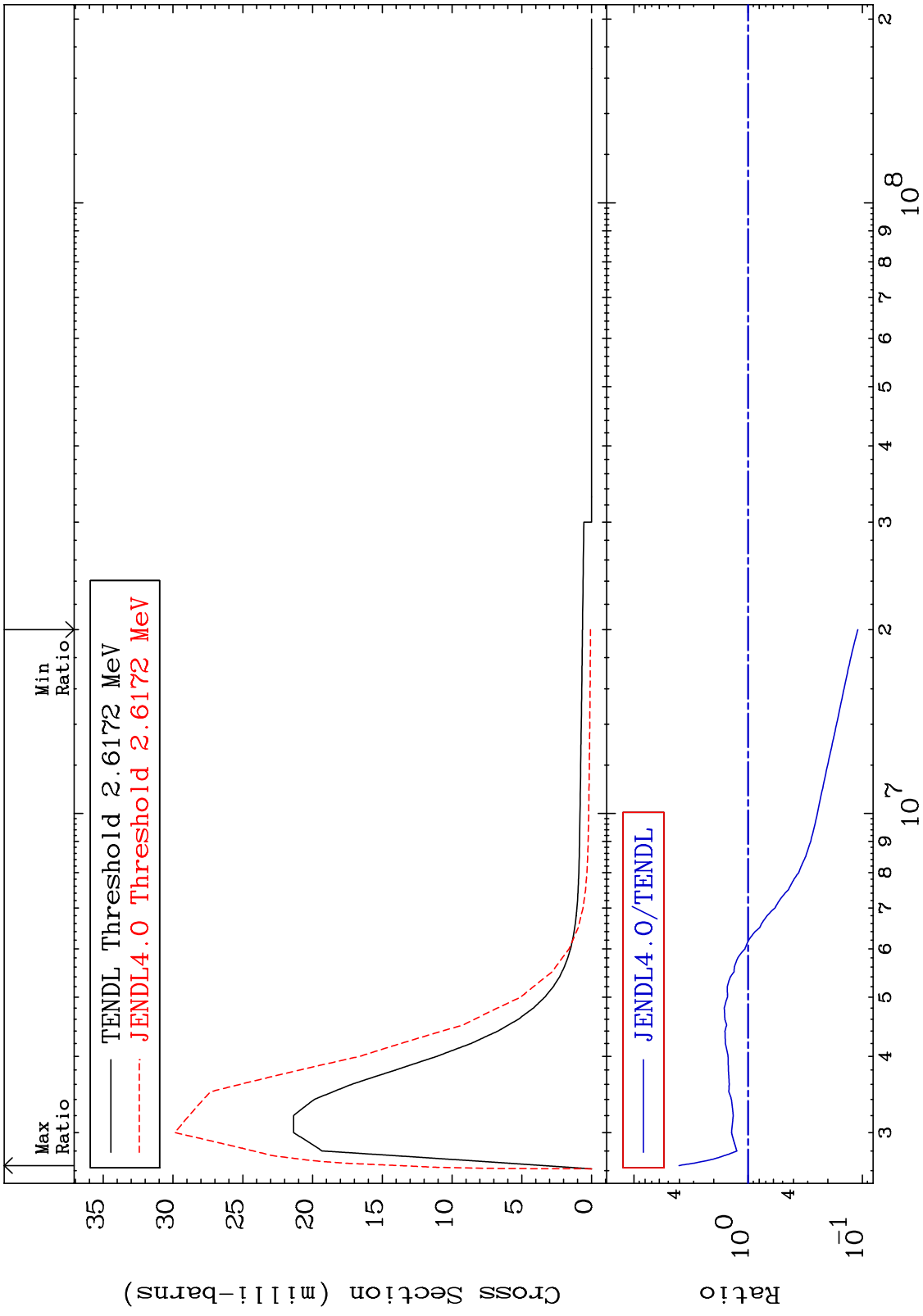


40

Incident Energy (eV)

60-Nd-144

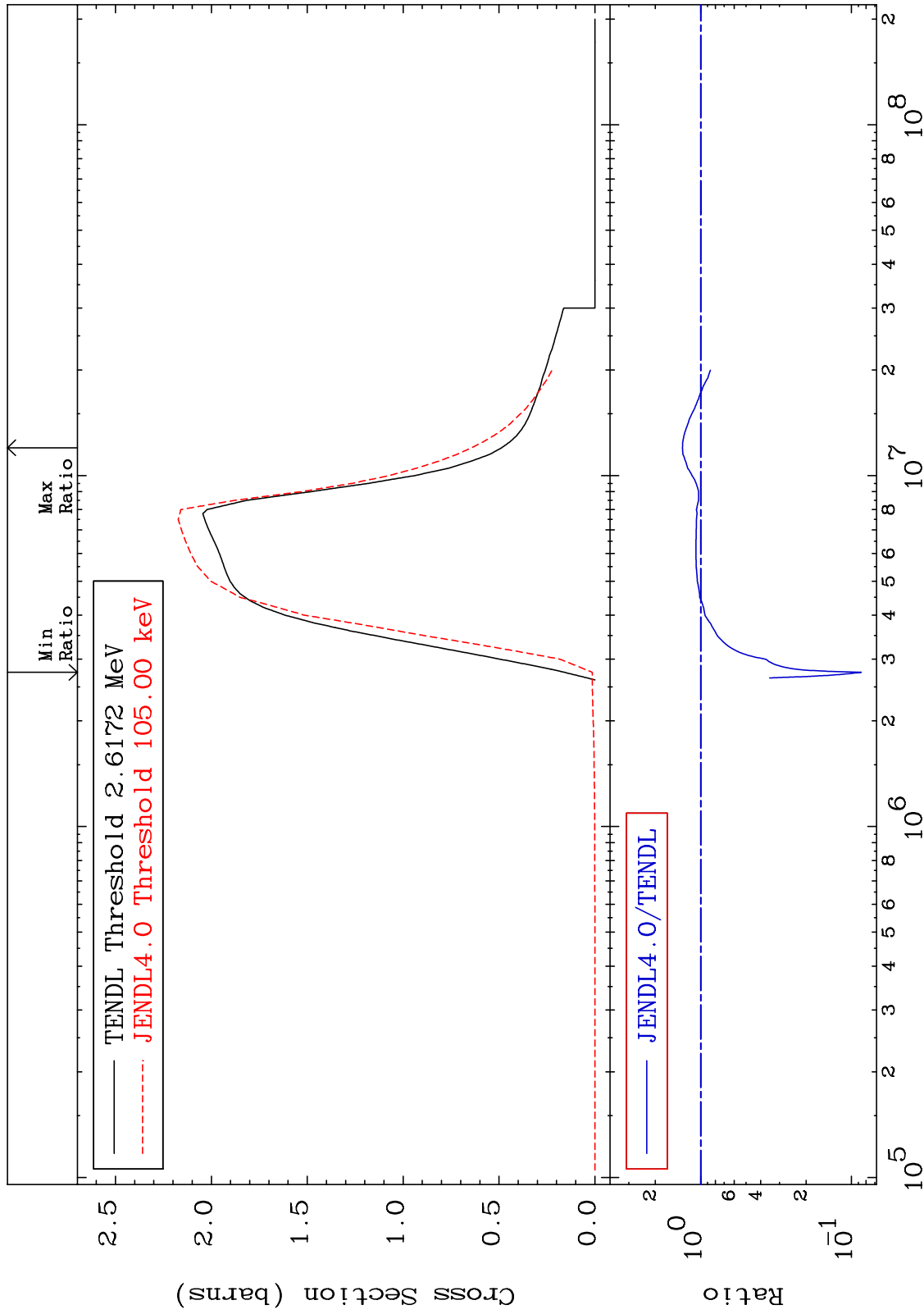
MAT 6031 MT= 80 (n,n') Level Cross Section 60-Nd-144
 -89.06 To 302.8 %



MAT 6031

(n, n') Continuum
Cross Section

60-Nd-144
-91.39 To 32.21 %



42

Incident Energy (eV)

60-Nd-144

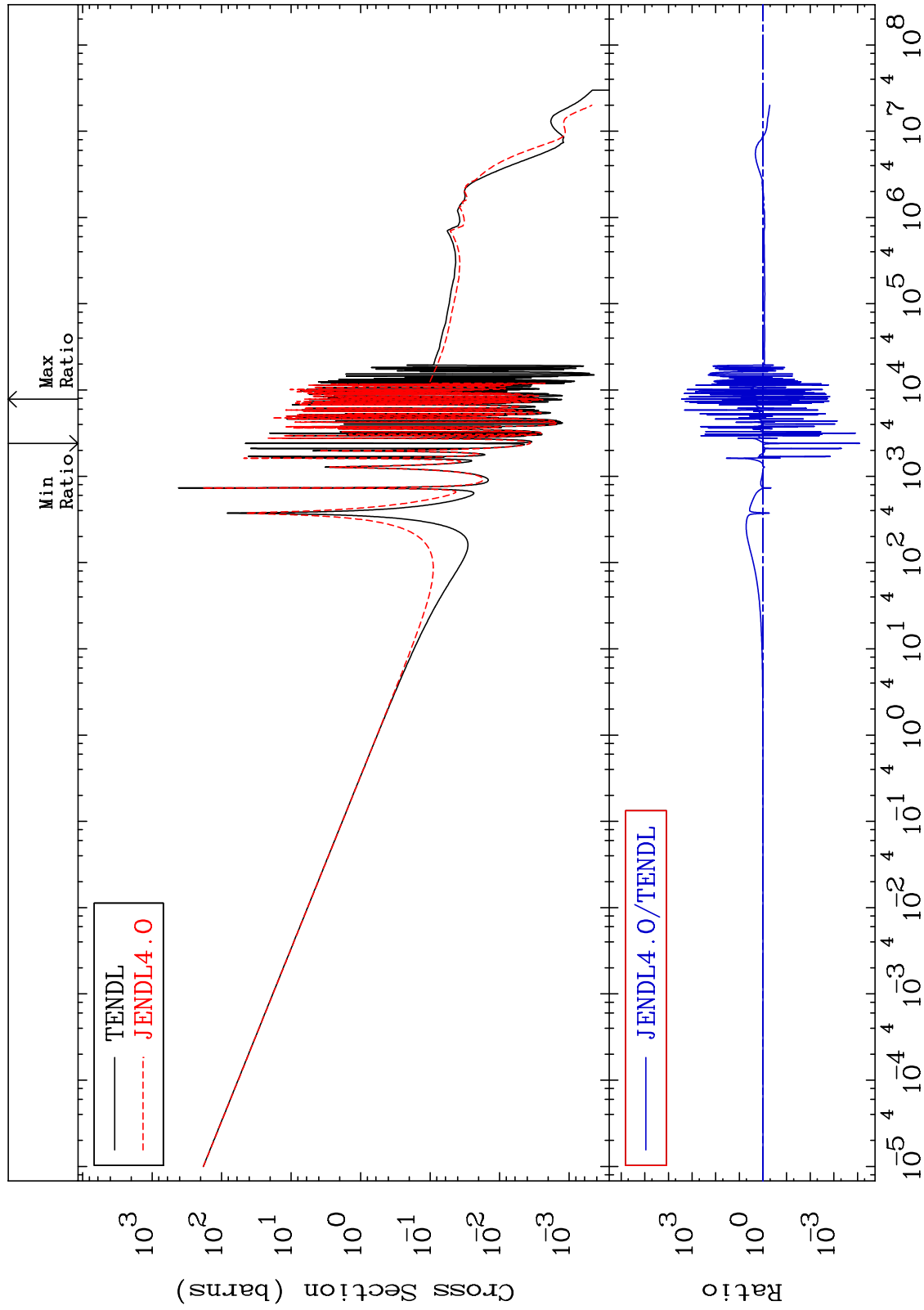
MAT 6031

(n, γ)

60-Nd-144

-99.99 To 9999. %

Cross Section

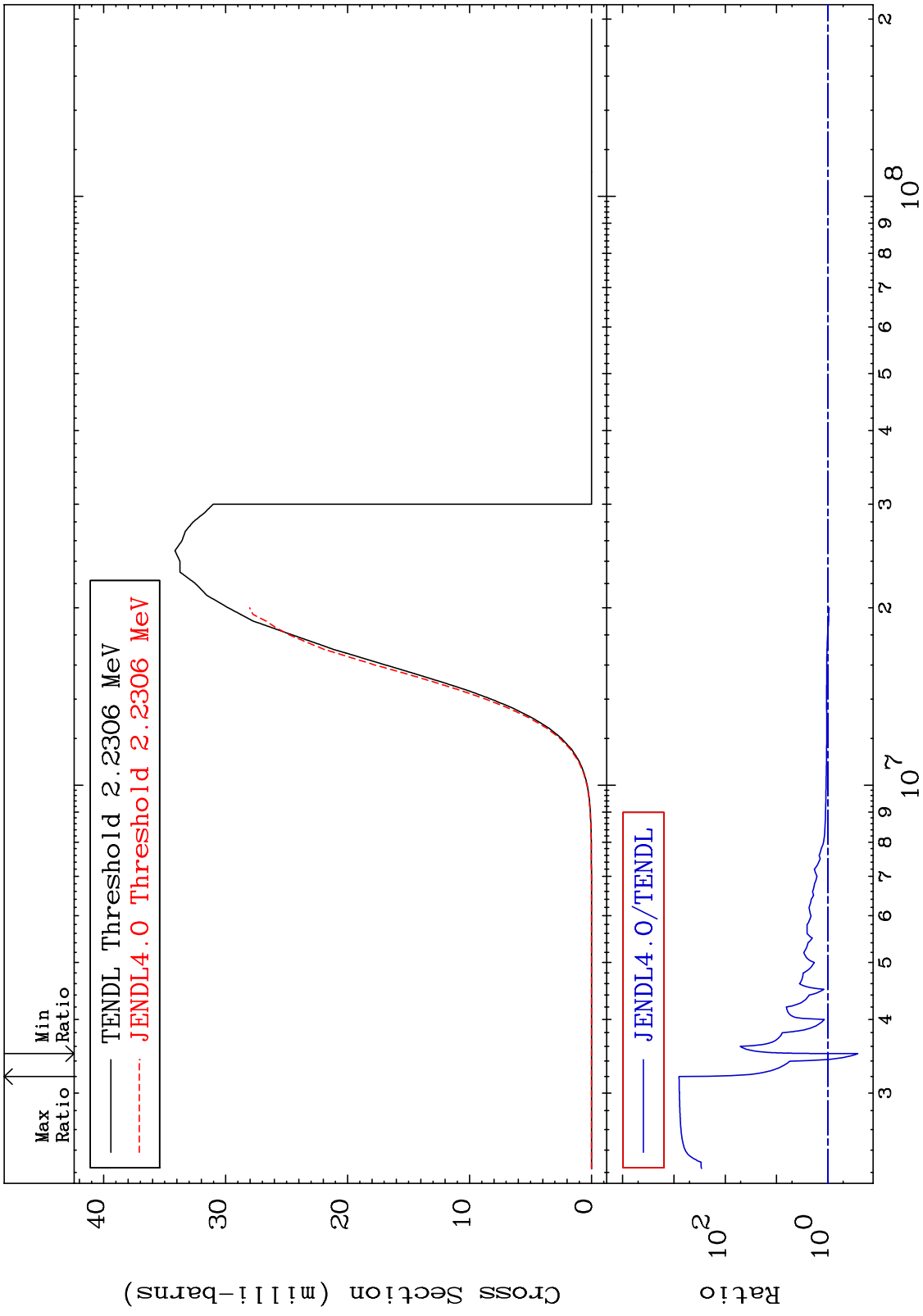


43

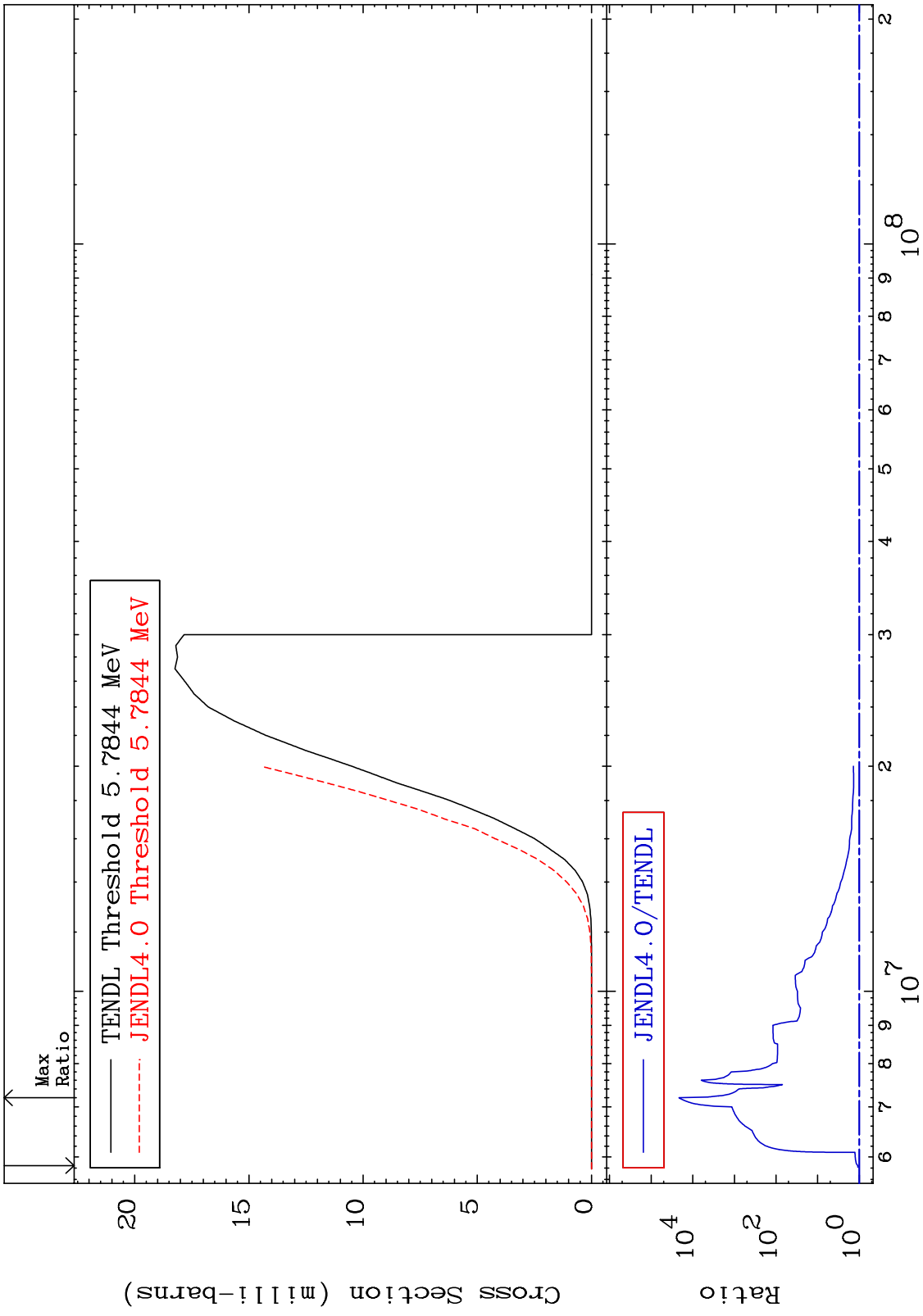
Incident Energy (eV)

60-Nd-144

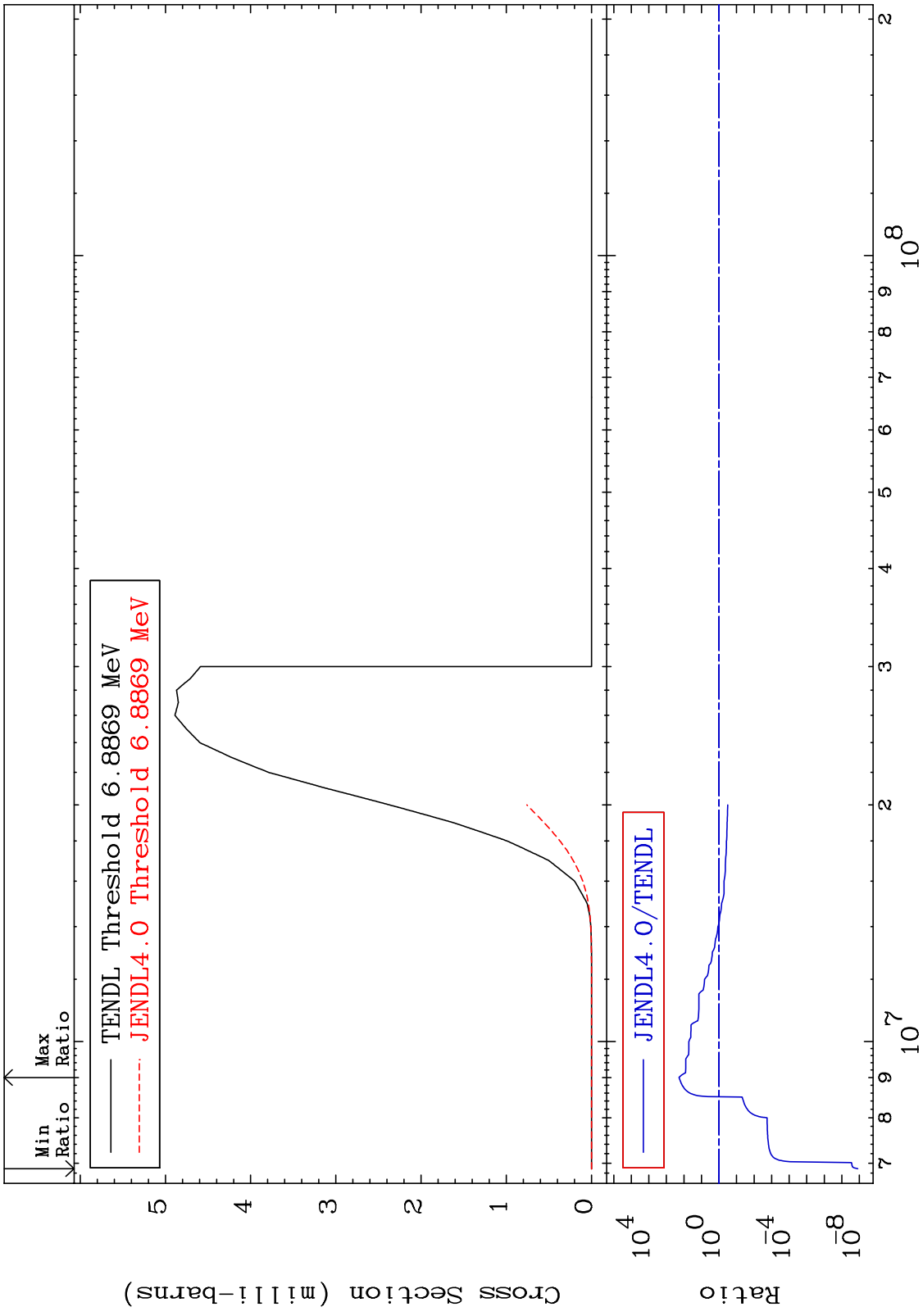
MAT 6031 (n,p) Cross Section 60-Nd-144
 -74.02 To 9999. %

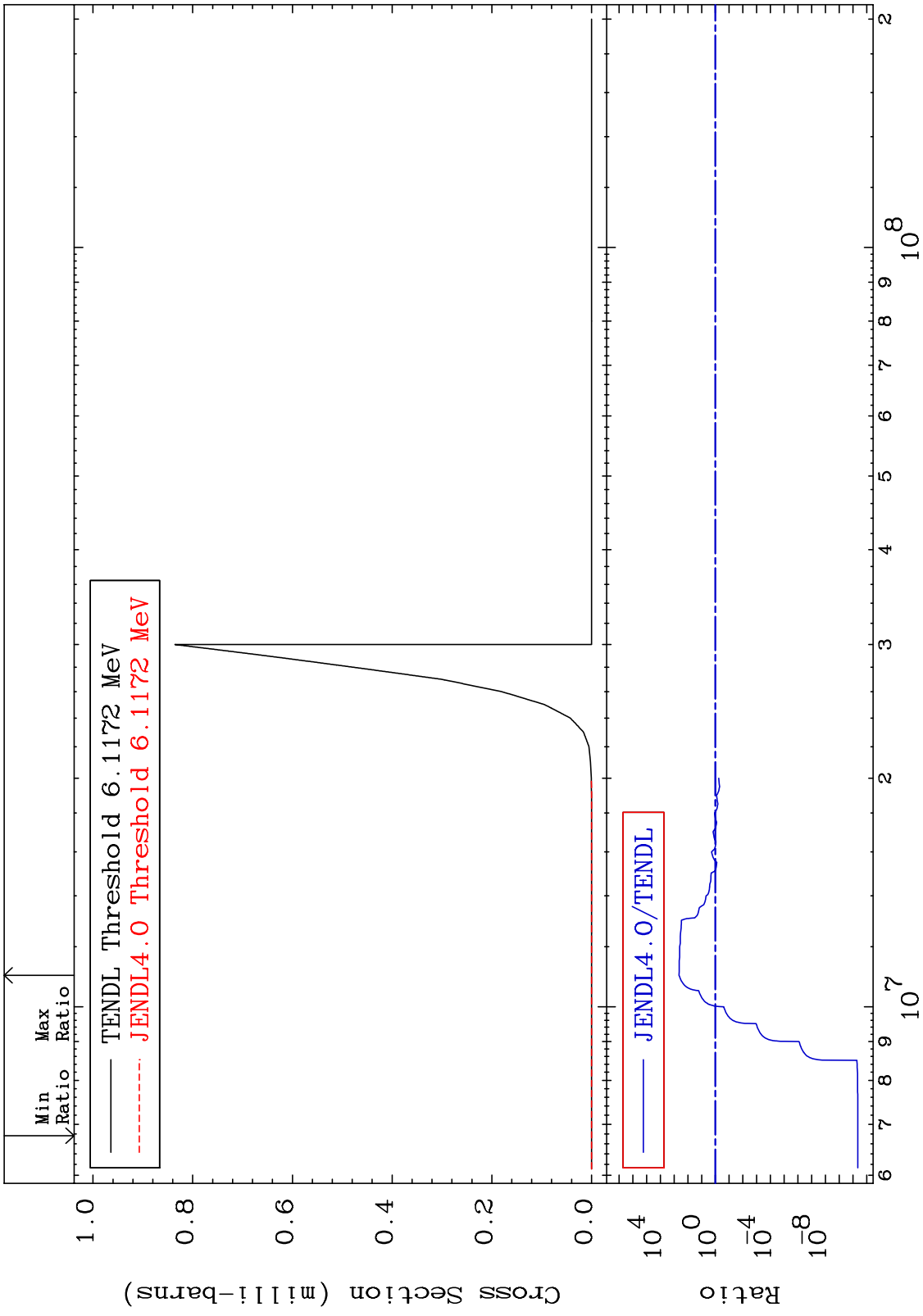


MAT 6031 (n,d) Cross Section 60-Nd-144 To 9999. %
 8.043



MAT 6031 (n,t) 60-Nd-144
 Cross Section -100.0 To 9999. %





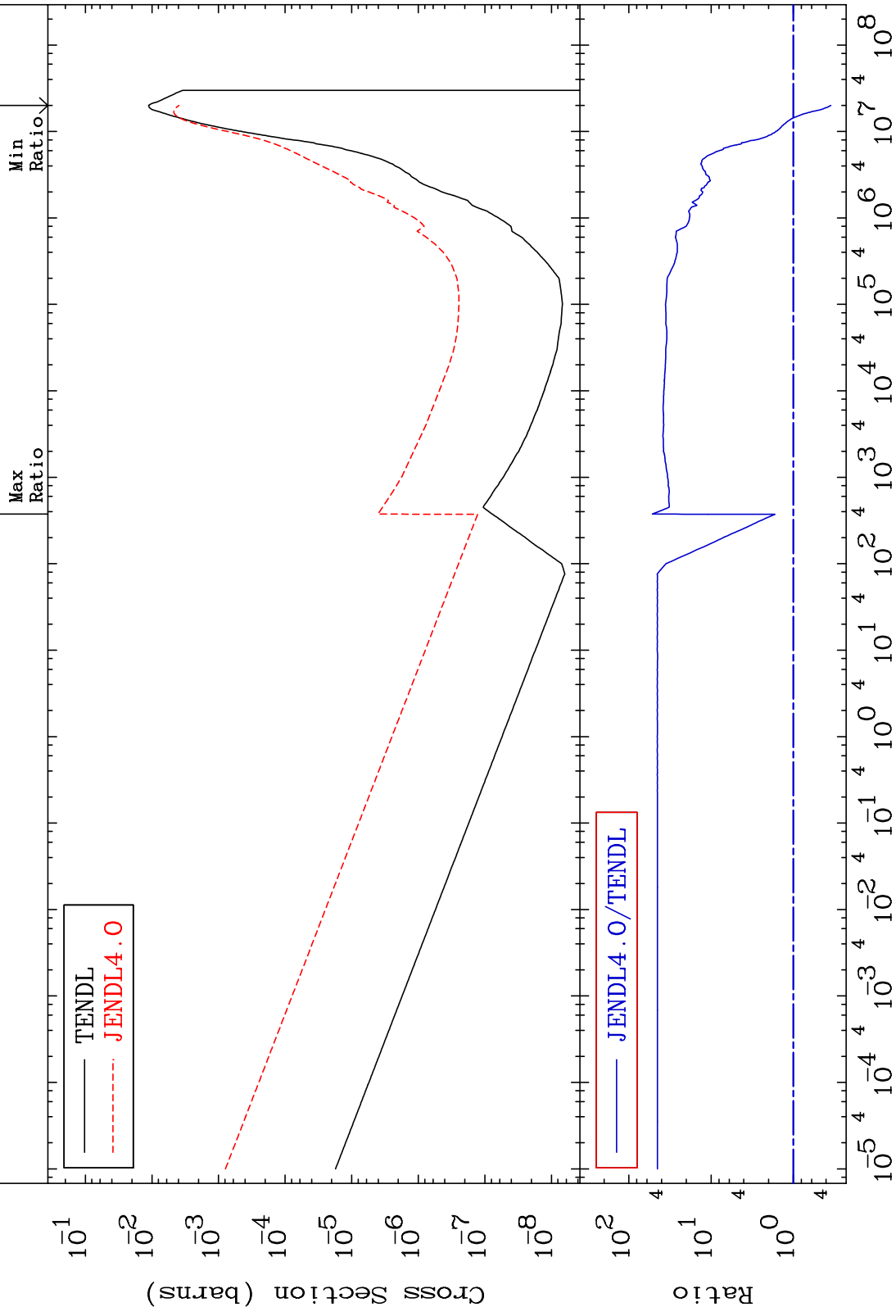
MAT 6031

(n, α)

60-Nd-144

-65.06 To 5086. %

Cross Section



48

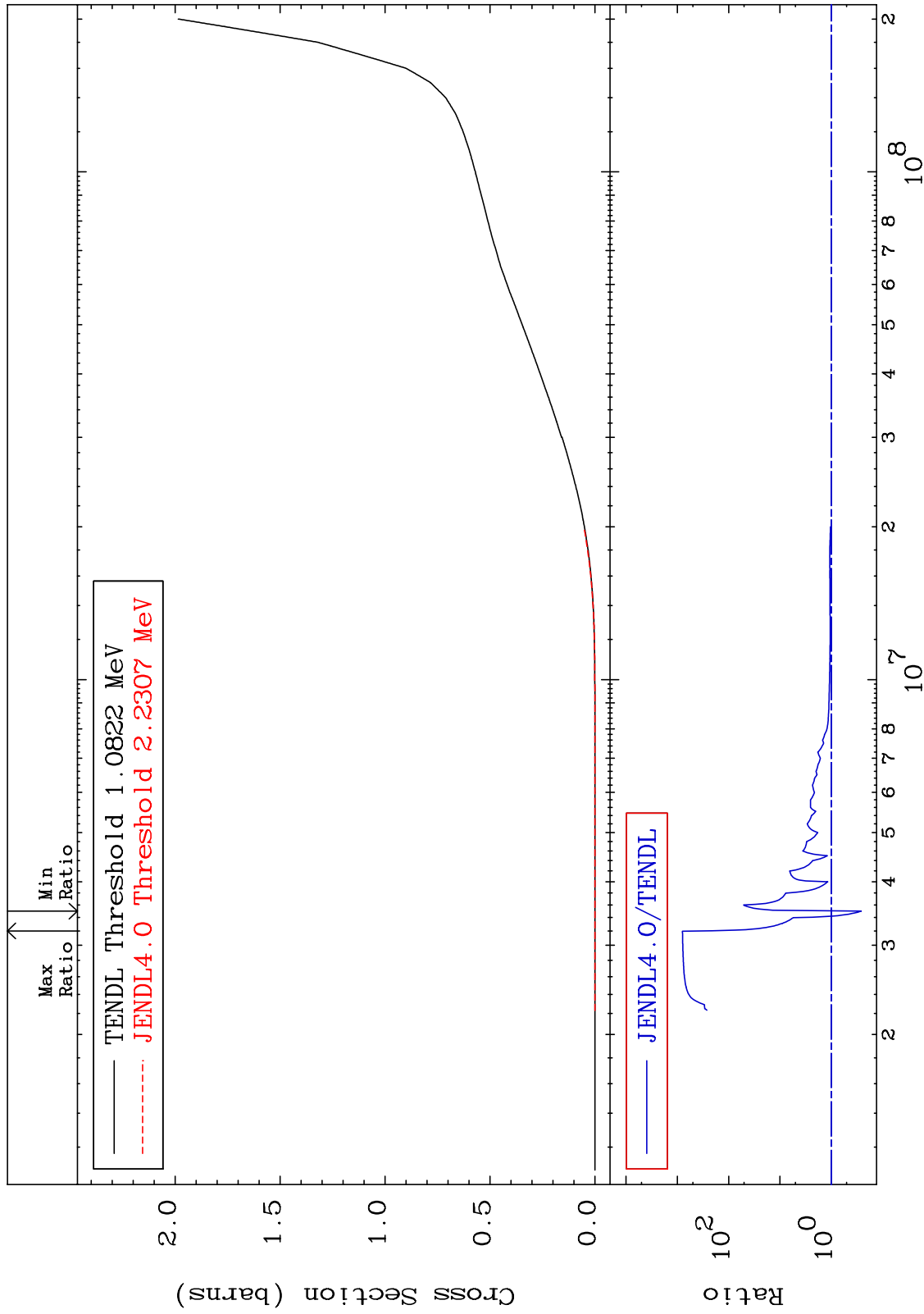
Incident Energy (eV)

60-Nd-144

MAT 6031

Hydrogen Production
Cross Section

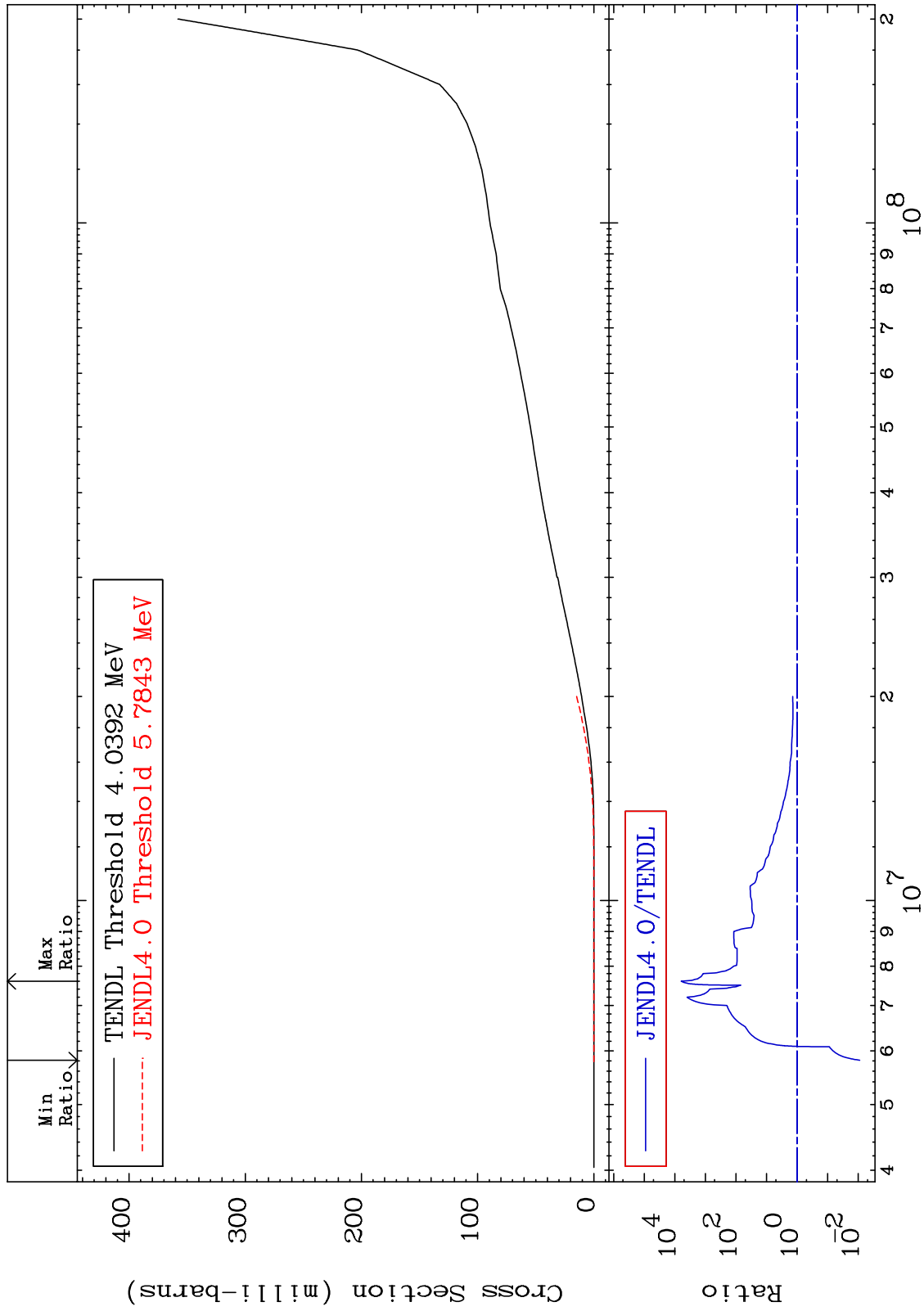
60-Nd-144
-74.02 To 9999. %



MAT 6031

Deuterium Production Cross Section

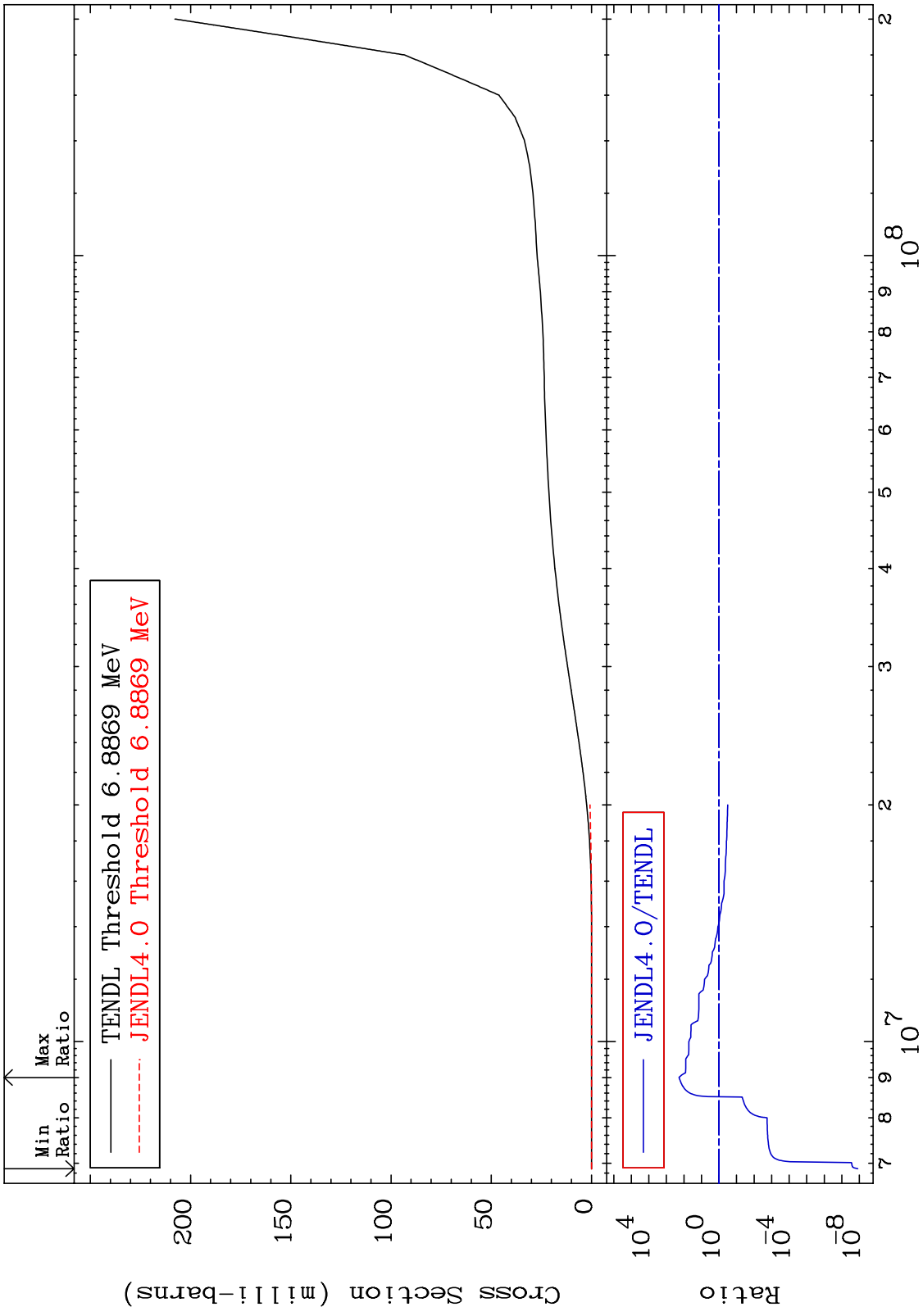
60-Nd-144
-99.11 To 9999. %



50

Incident Energy (eV)

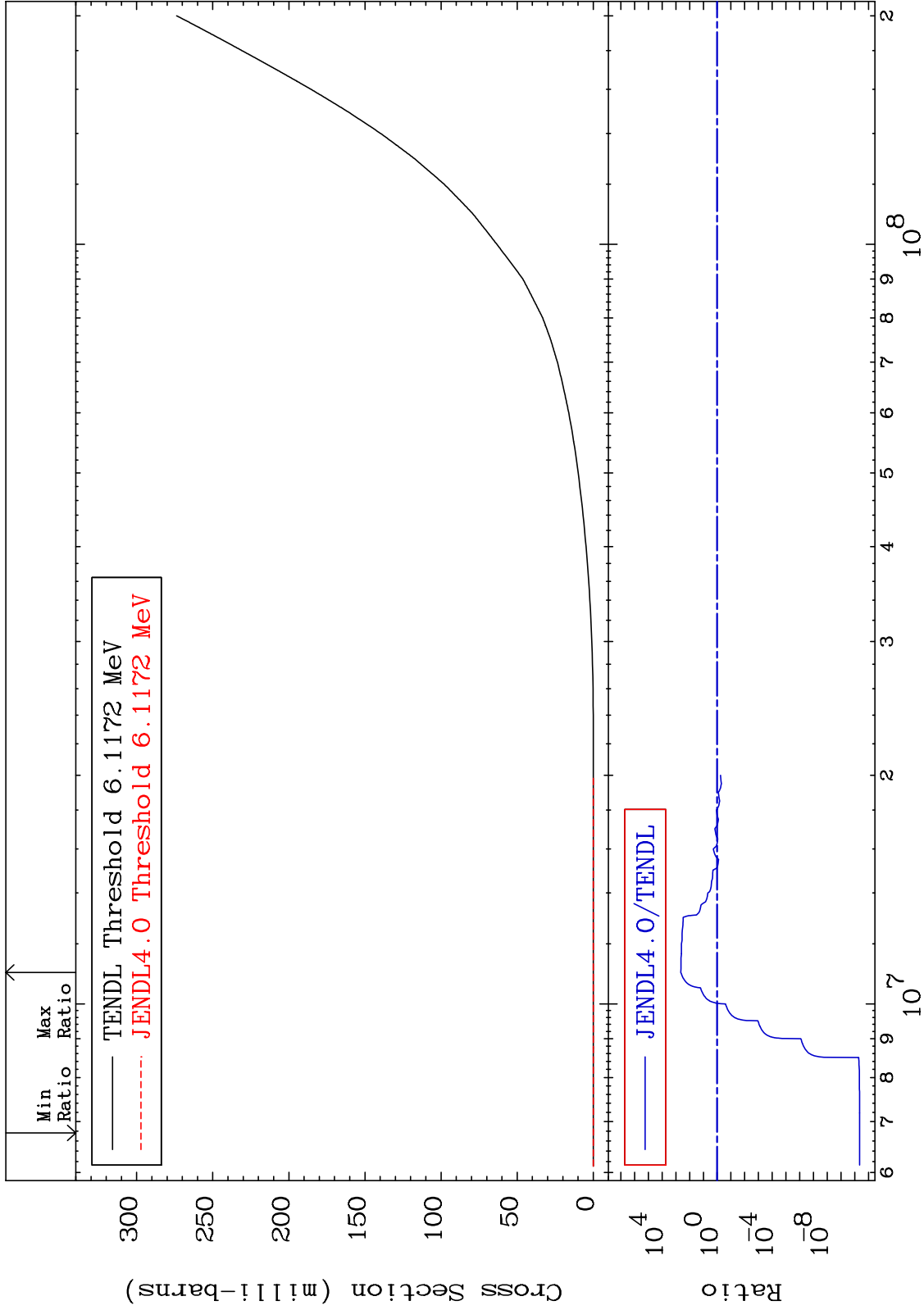
60-Nd-144



MAT 6031

He-3 Production
Cross Section

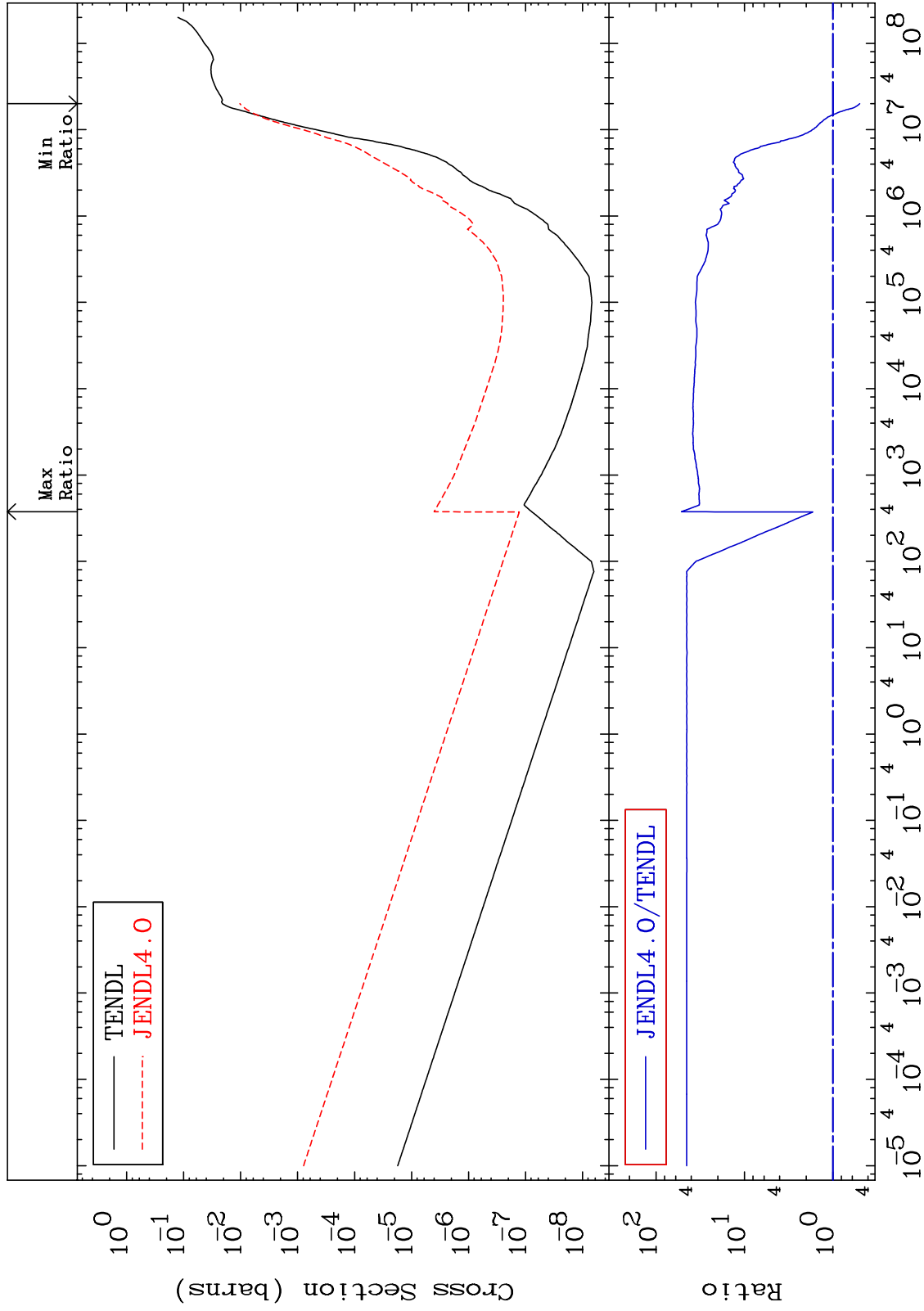
60-Nd-144
-100.0 To 9999. %



MAT 6031

He-4 Production
Cross Section

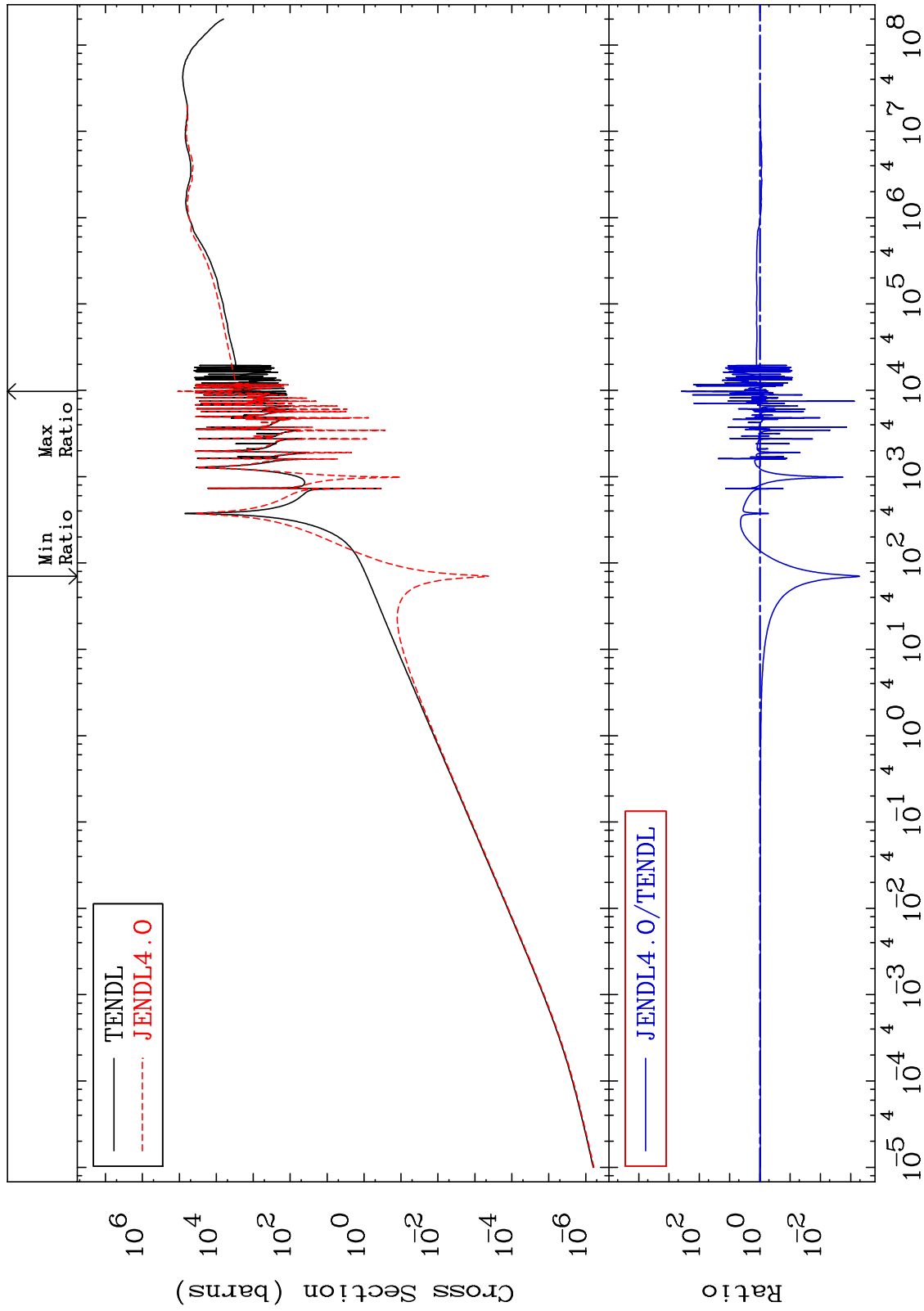
60-Nd-144
-50.47 To 5086. %



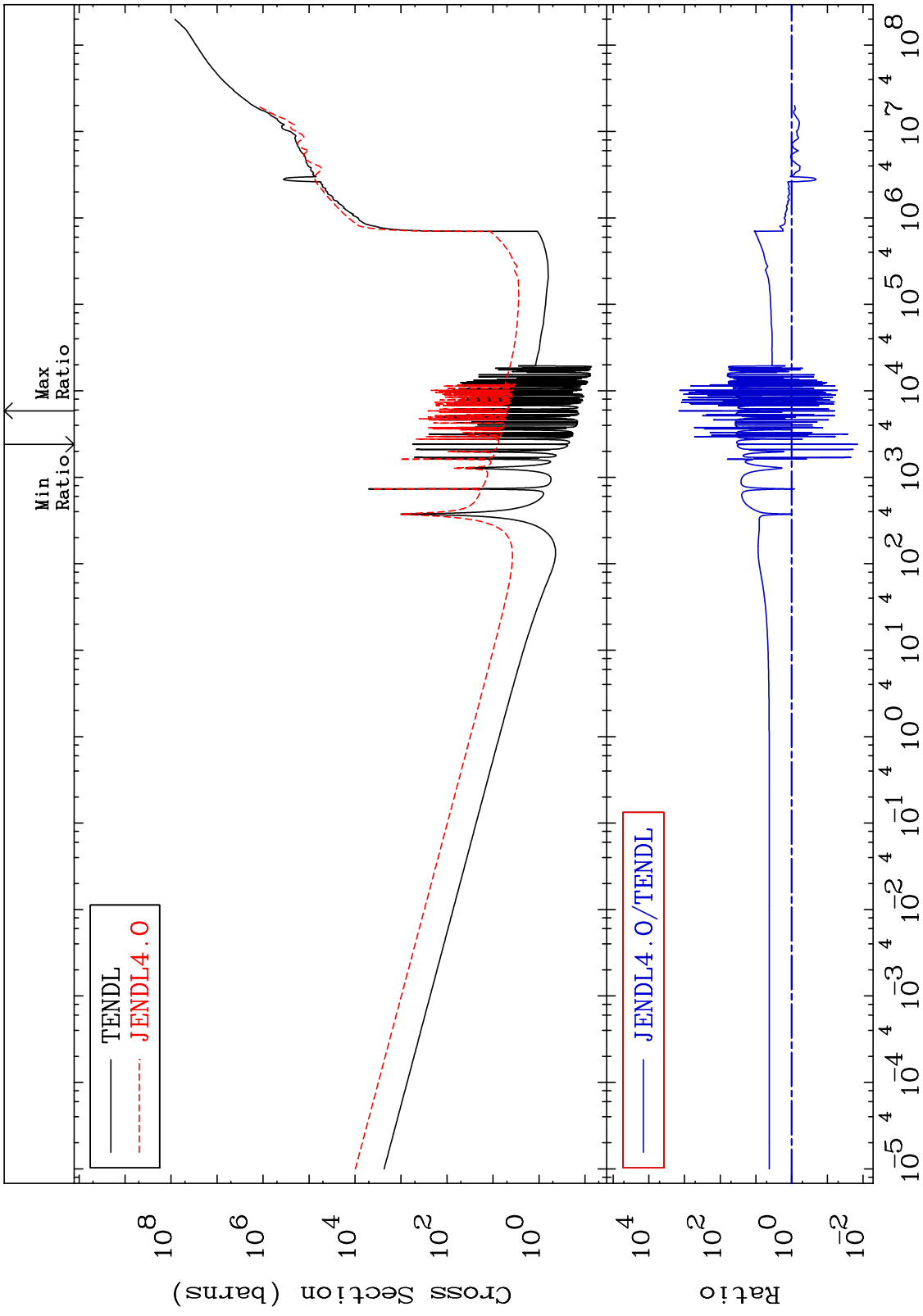
MAT 6031

Kerma elastic
Cross Section

60-Nd-144
-99.95 To 9999. %



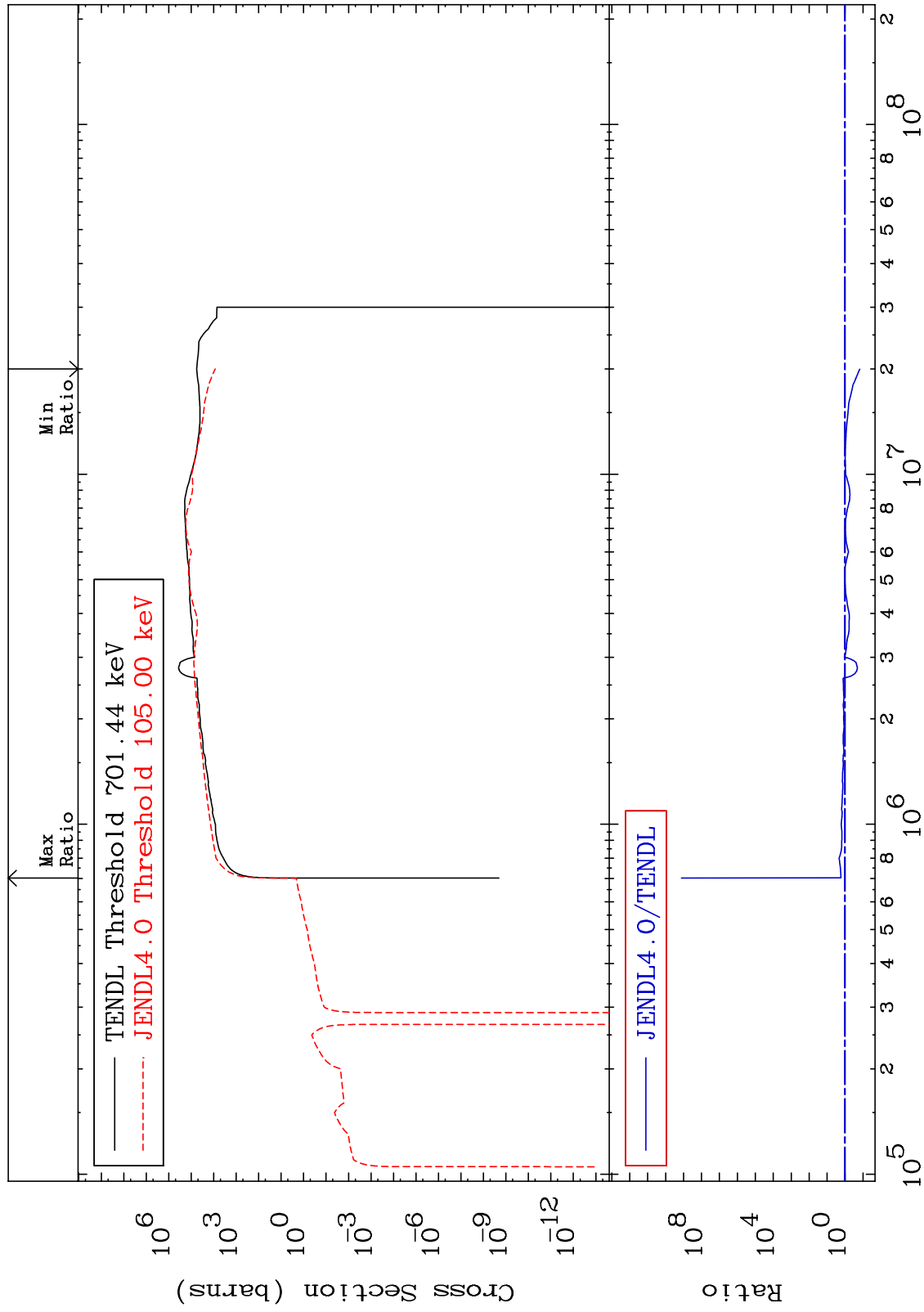
MAT 6031 Kerma non-elastic (all but mt.2) 60-Nd-144
 Cross Section -98.60 To 9999. %



MAT 6031

Kerma inelastic (mt51-91)
Cross Section

60-Nd-144
-84.99 To 9999. %



57

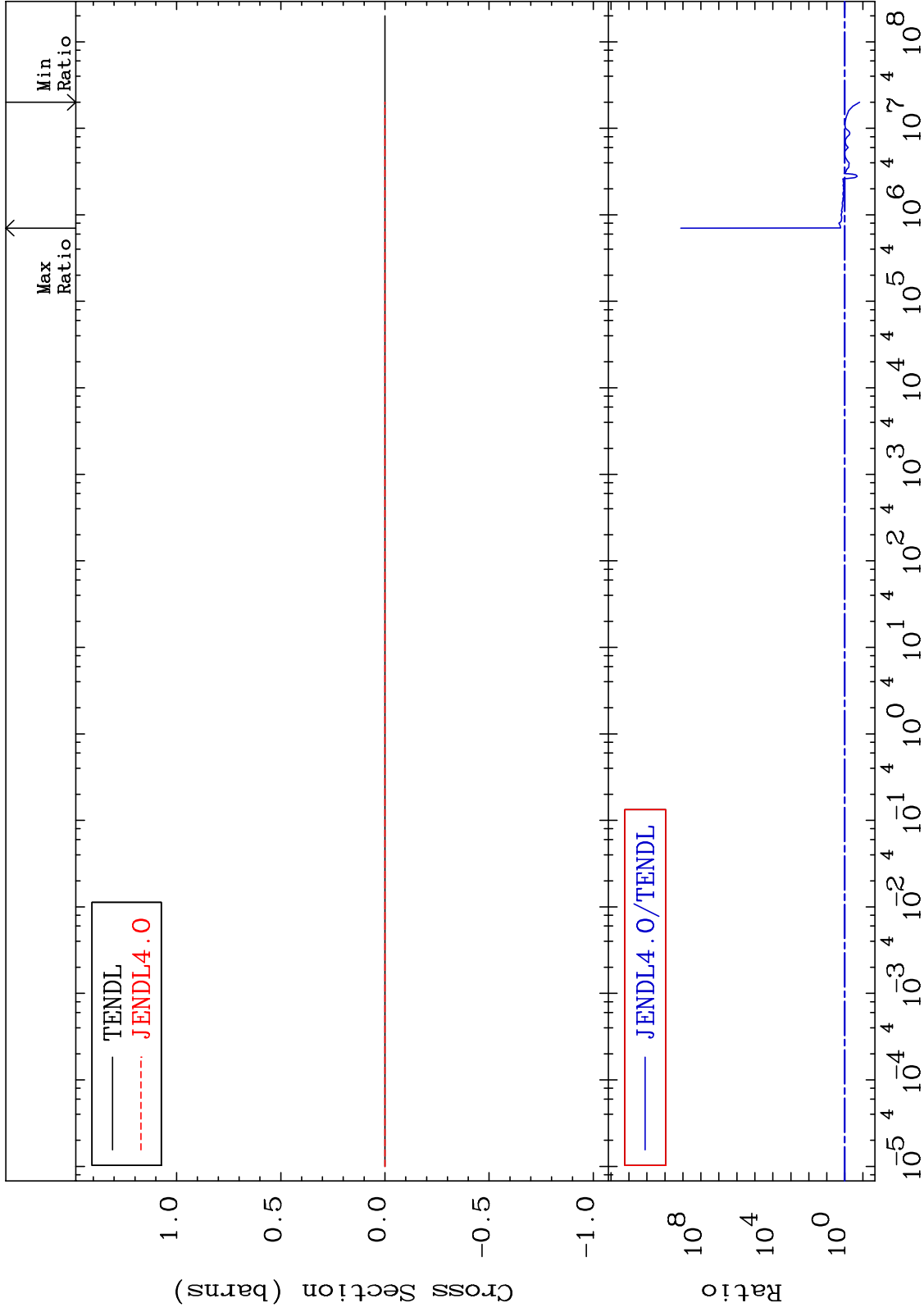
Incident Energy (eV)

60-Nd-144

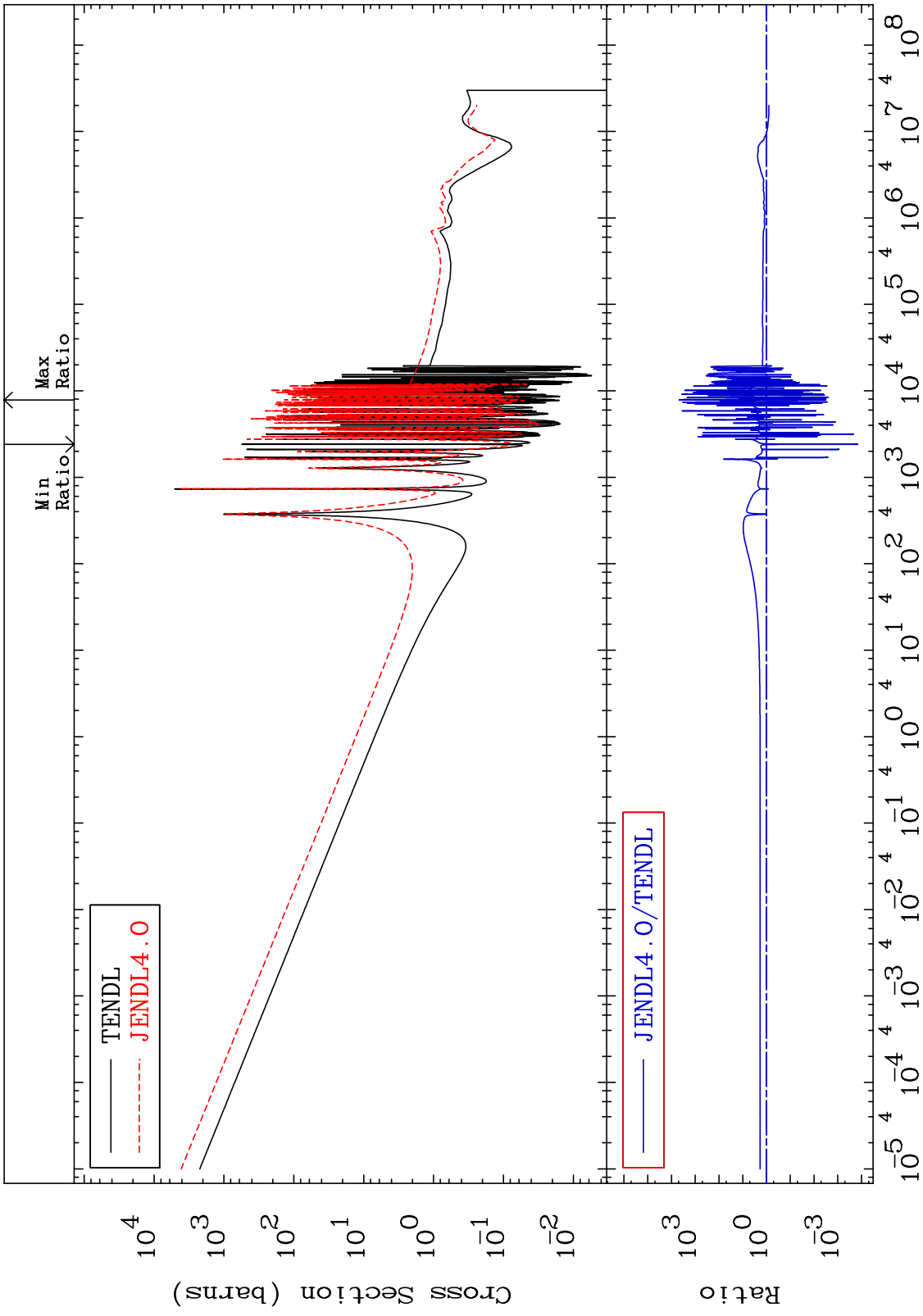
MAT 6031

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

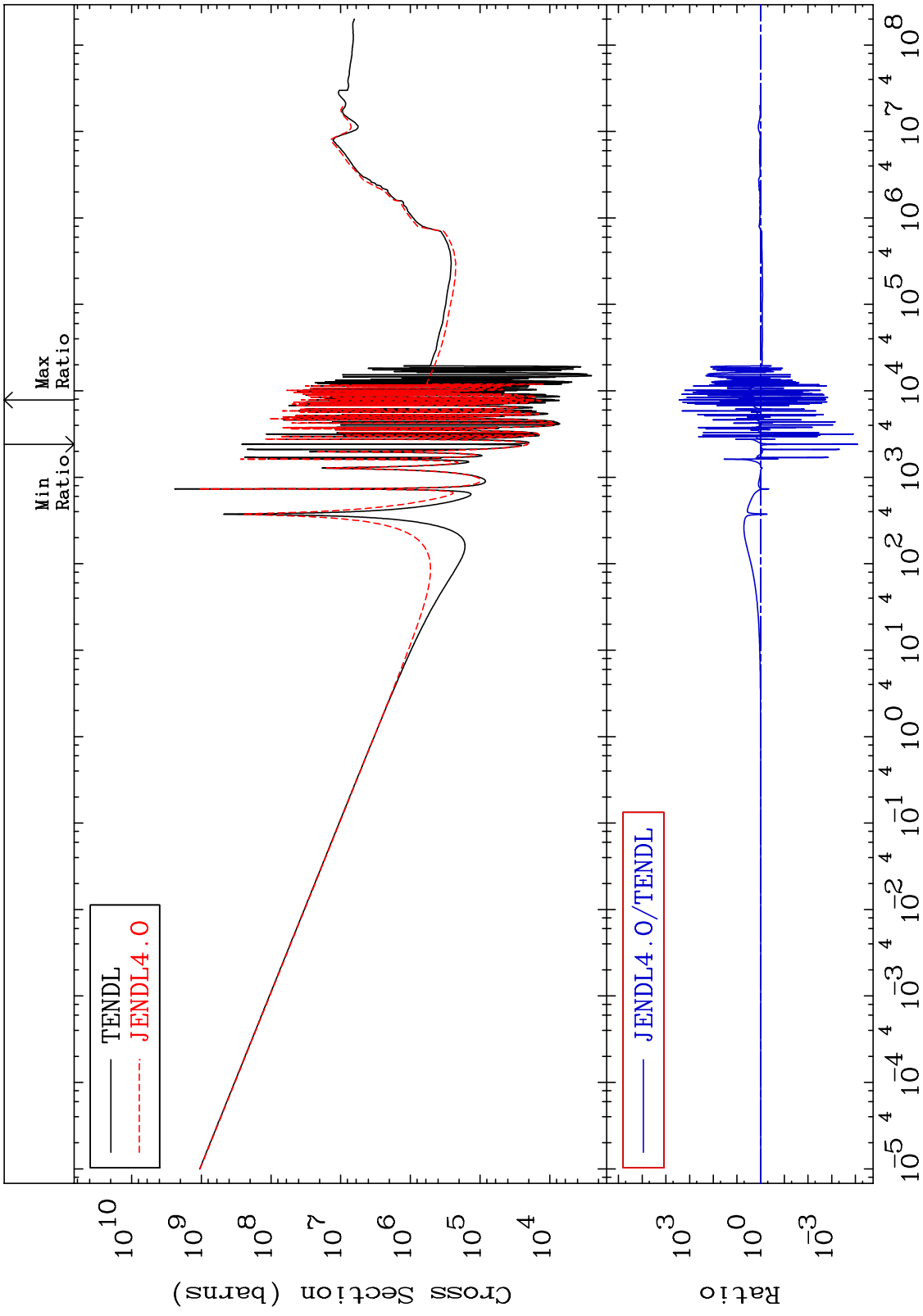
60-Nd-144
-84.99 To 9999. %



MAT 6031 Kerma capture (mt102) 60-Nd-144
 Cross Section -99.99 To 9999. %

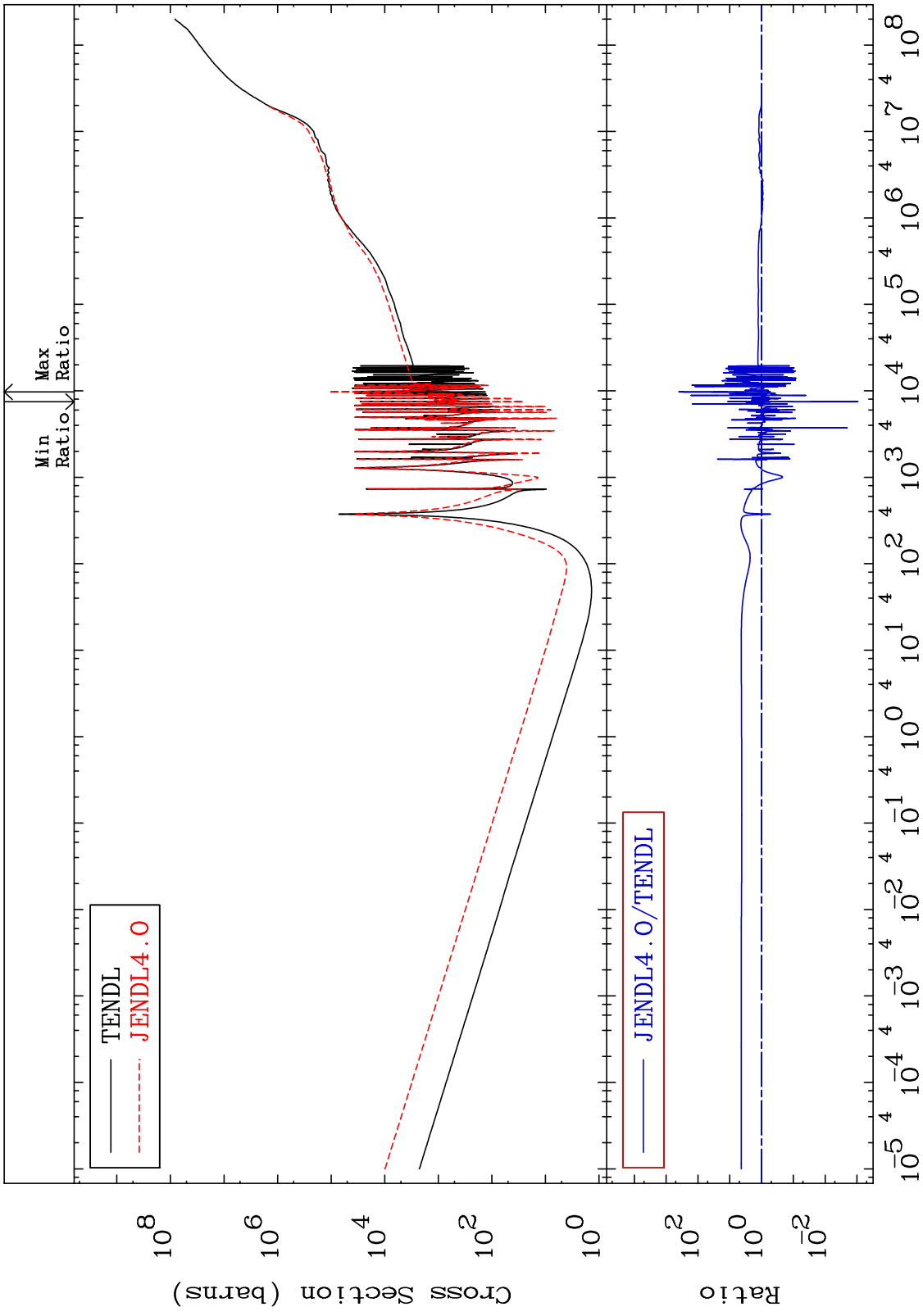


MAT 6031 60-Nd-144
 Total photon (eV-barns) -99.99 To 9999. %
 Cross Section

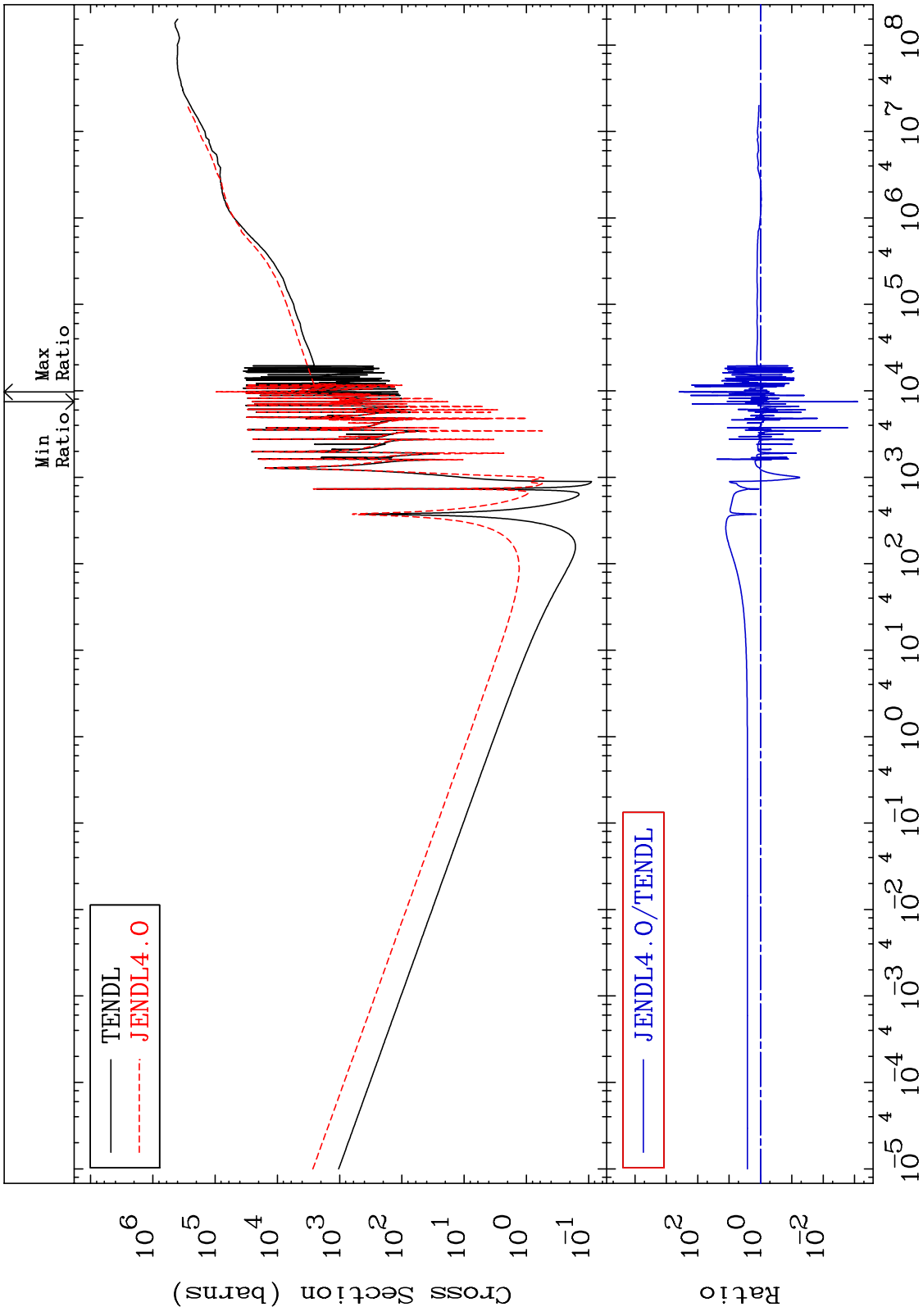


60 60-Nd-144

MAT 6031 Total kinematic kerma (high limit) 60-Nd-144
 Cross Section -99.91 To 9999. %



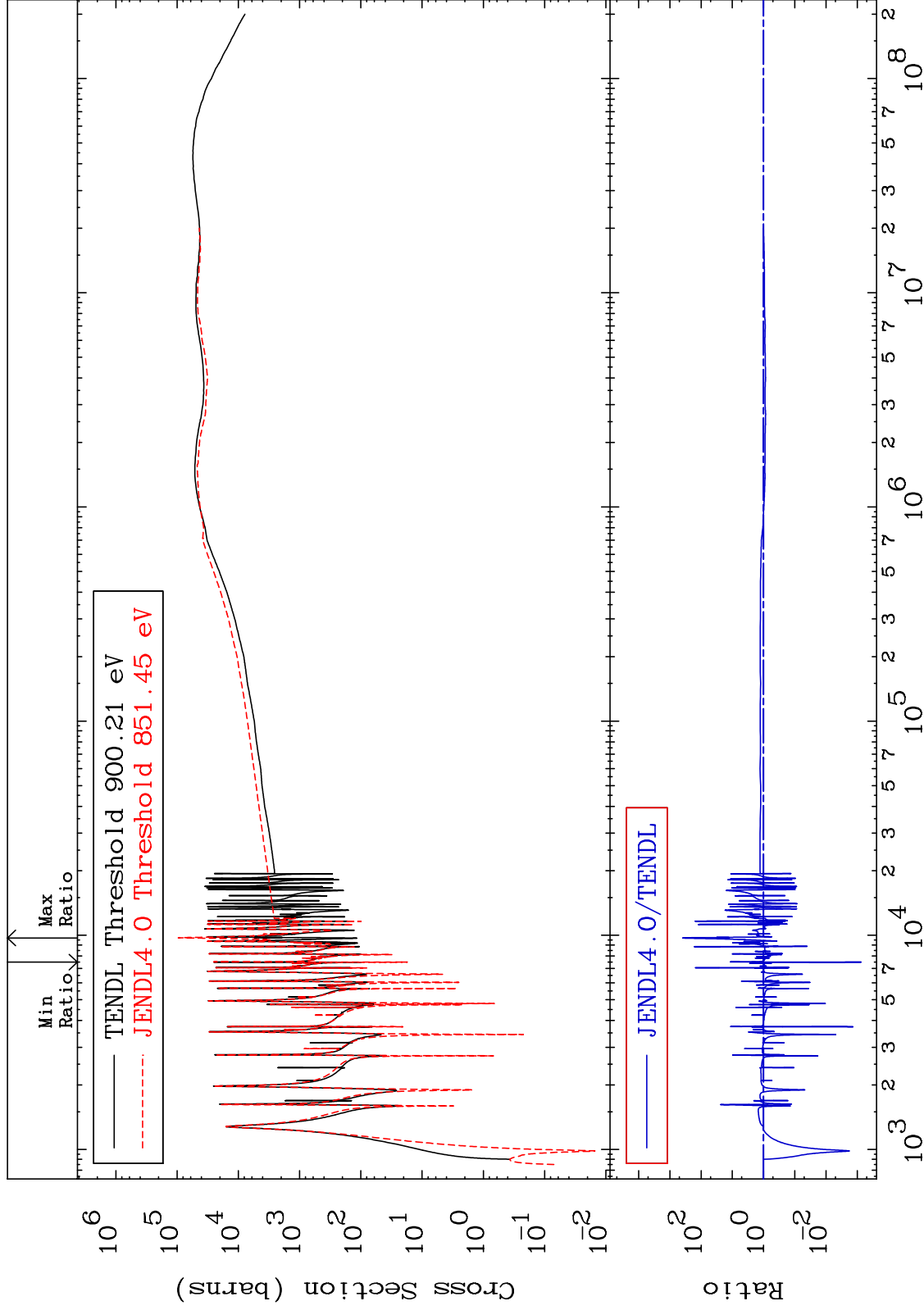
MAT 6031 Dpa total (eV-barns) 60-Nd-144
 Cross Section -99.92 To 9999. %



MAT 6031

Dpa elastic (mt2)
Cross Section

60-Nd-144
-99.93 To 9999. %



63

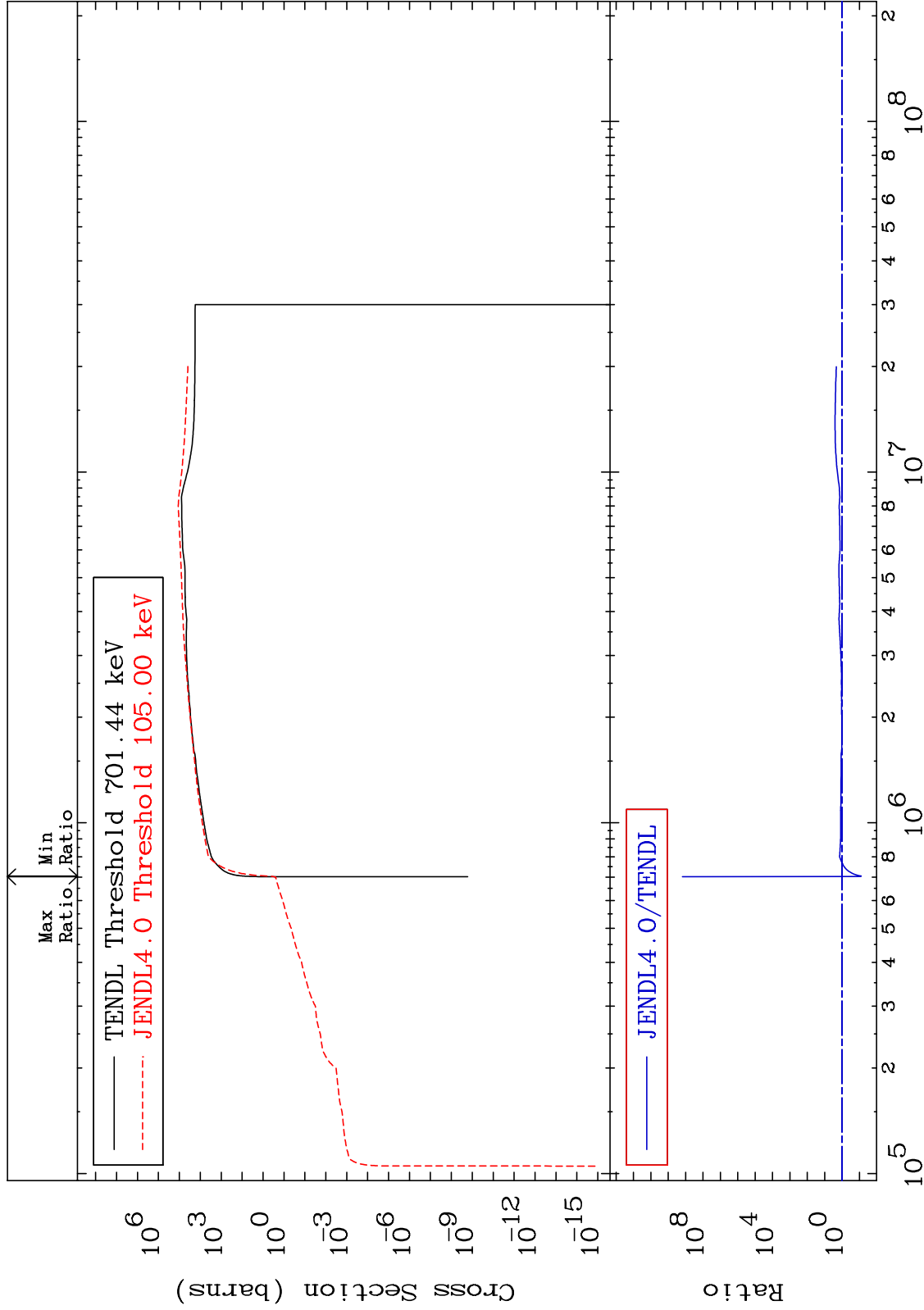
60-Nd-144

60-Nd-144

MAT 6031

Dpa inelastic (mt51-91)
Cross Section

60-Nd-144
-92.17 To 9999. %



64

Incident Energy (eV)

60-Nd-144

MAT 6031 Dpa disappearance (mt102 -120) 60-Nd-144
 Cross Section -99.93 To 9999. %

