

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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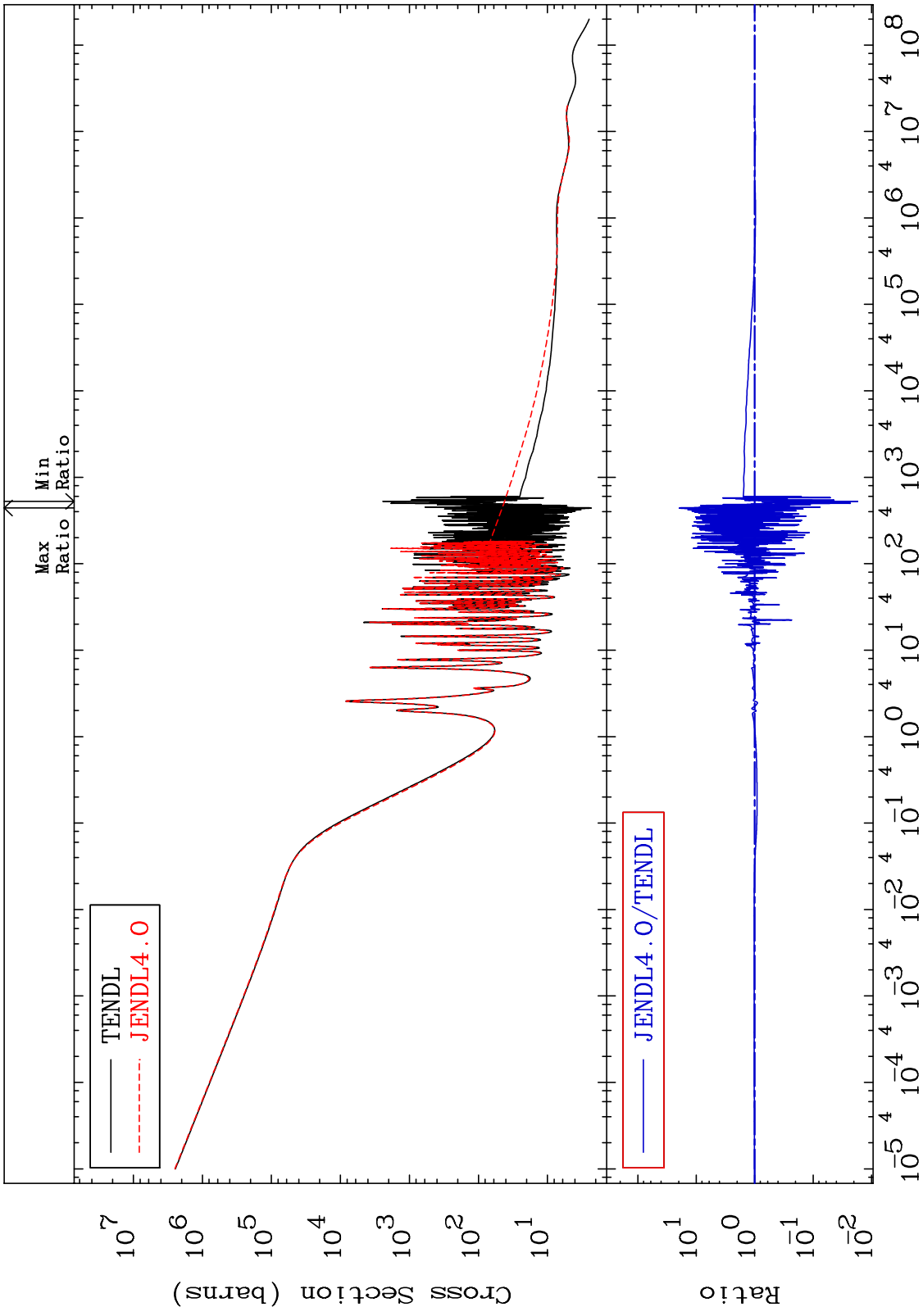
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6434 64-Gd-155 -98.28 To 1870. % Total Cross Section

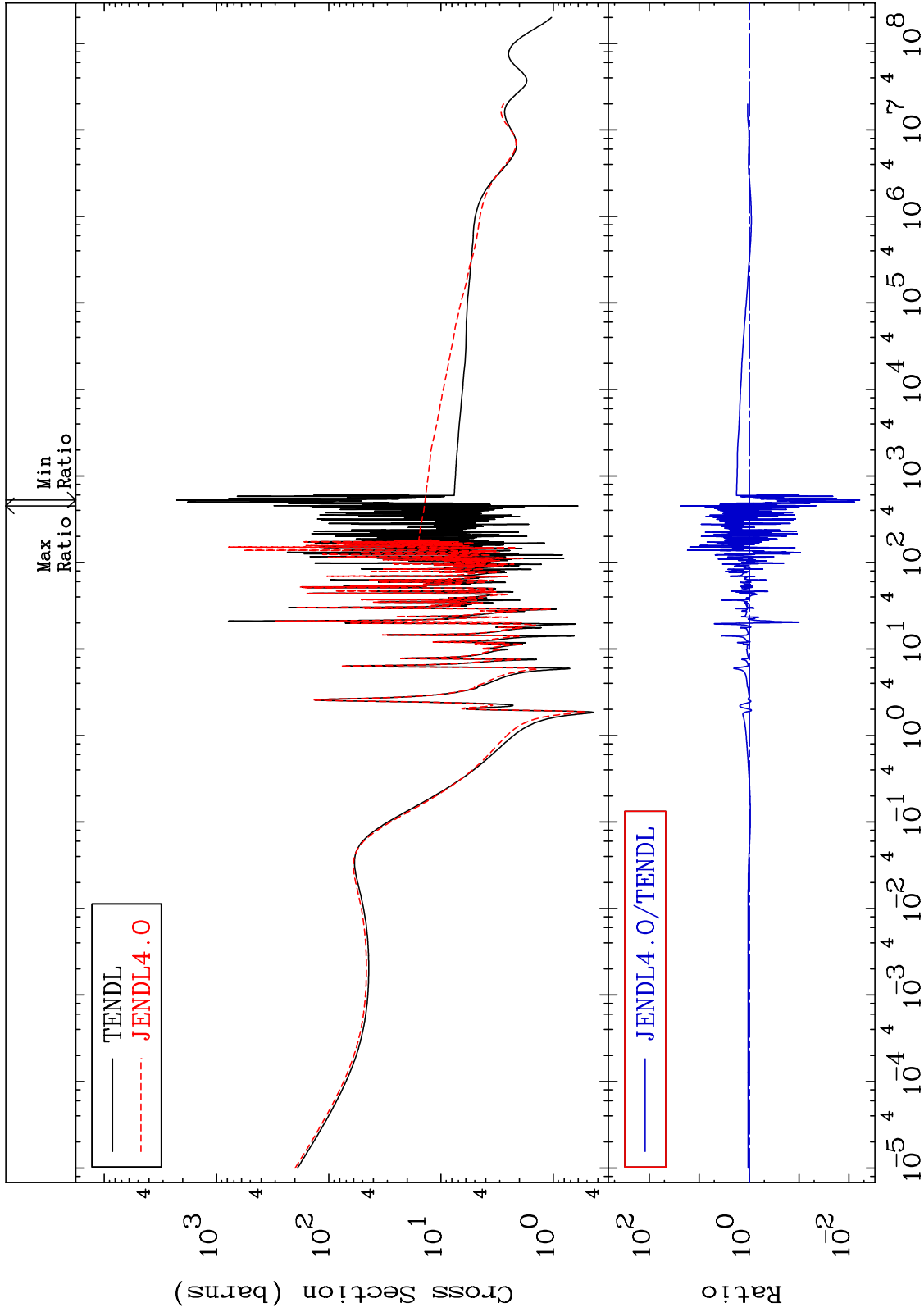


64-Gd-155

MAT 6434

Elastic
Cross Section

64-Gd-155
-99.39 To 2237. %

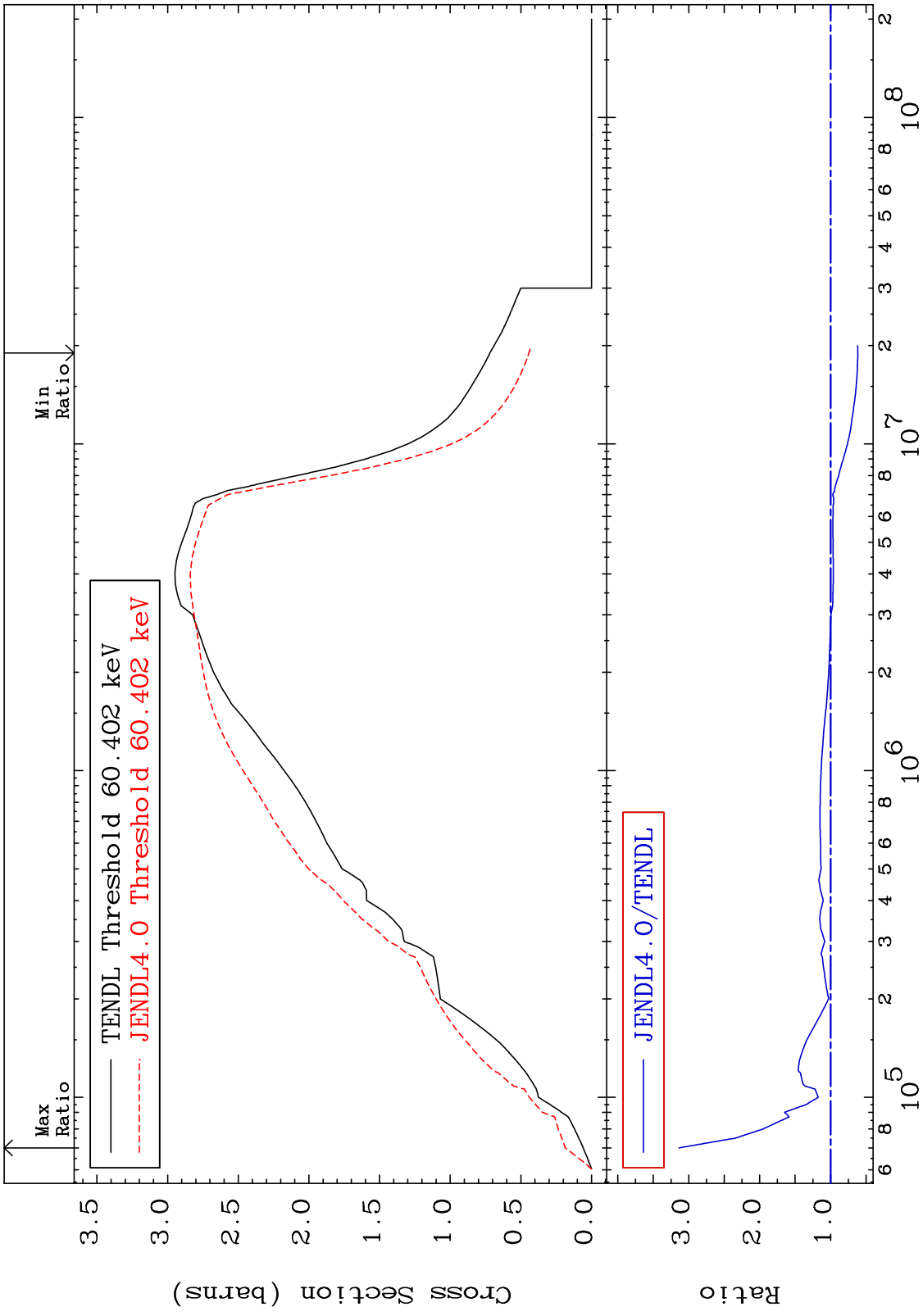


2

Incident Energy (eV)

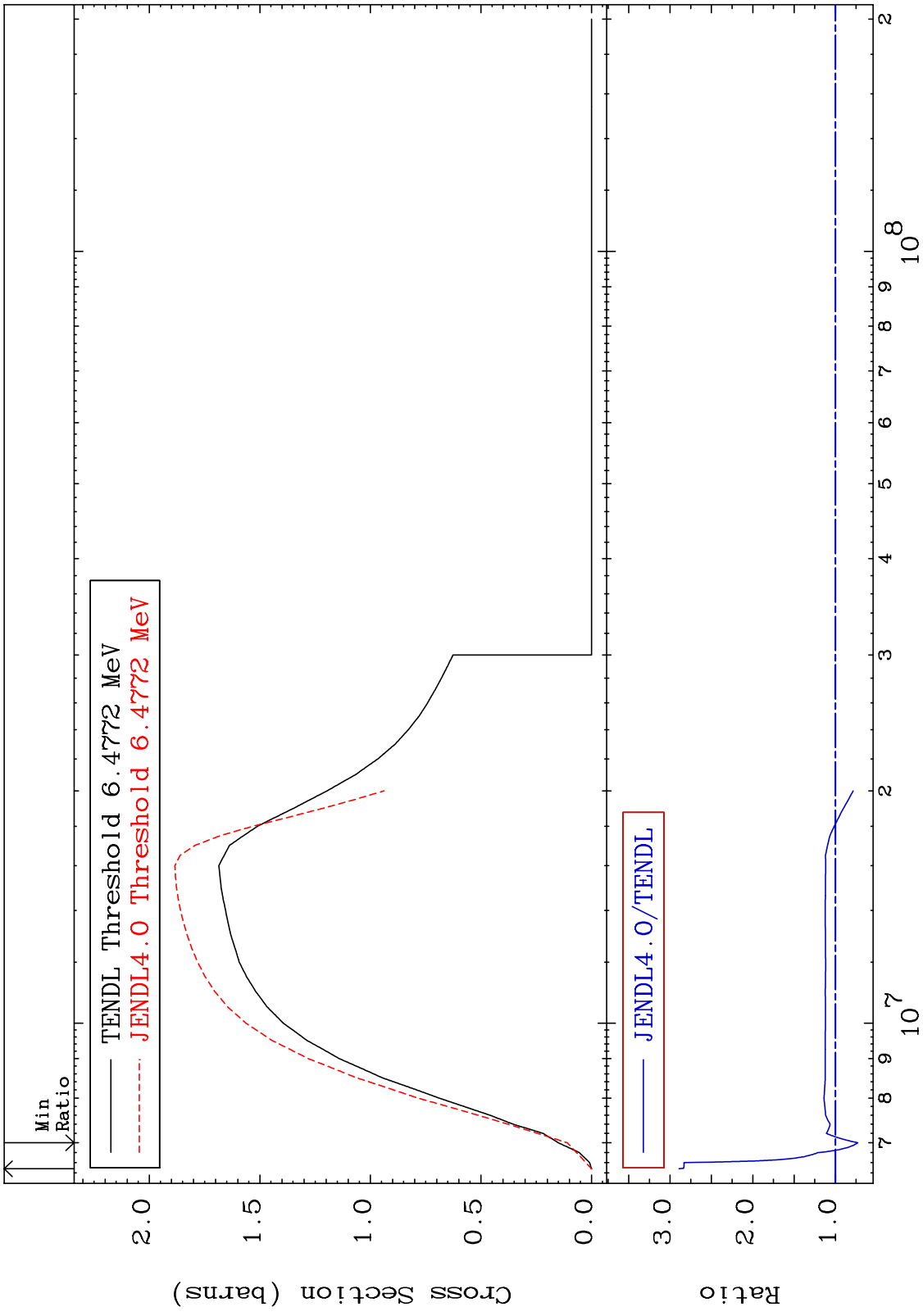
64-Gd-155

MAT 6434 Inelastic Cross Section 64-Gd-155 -38.36 To 213.7 %



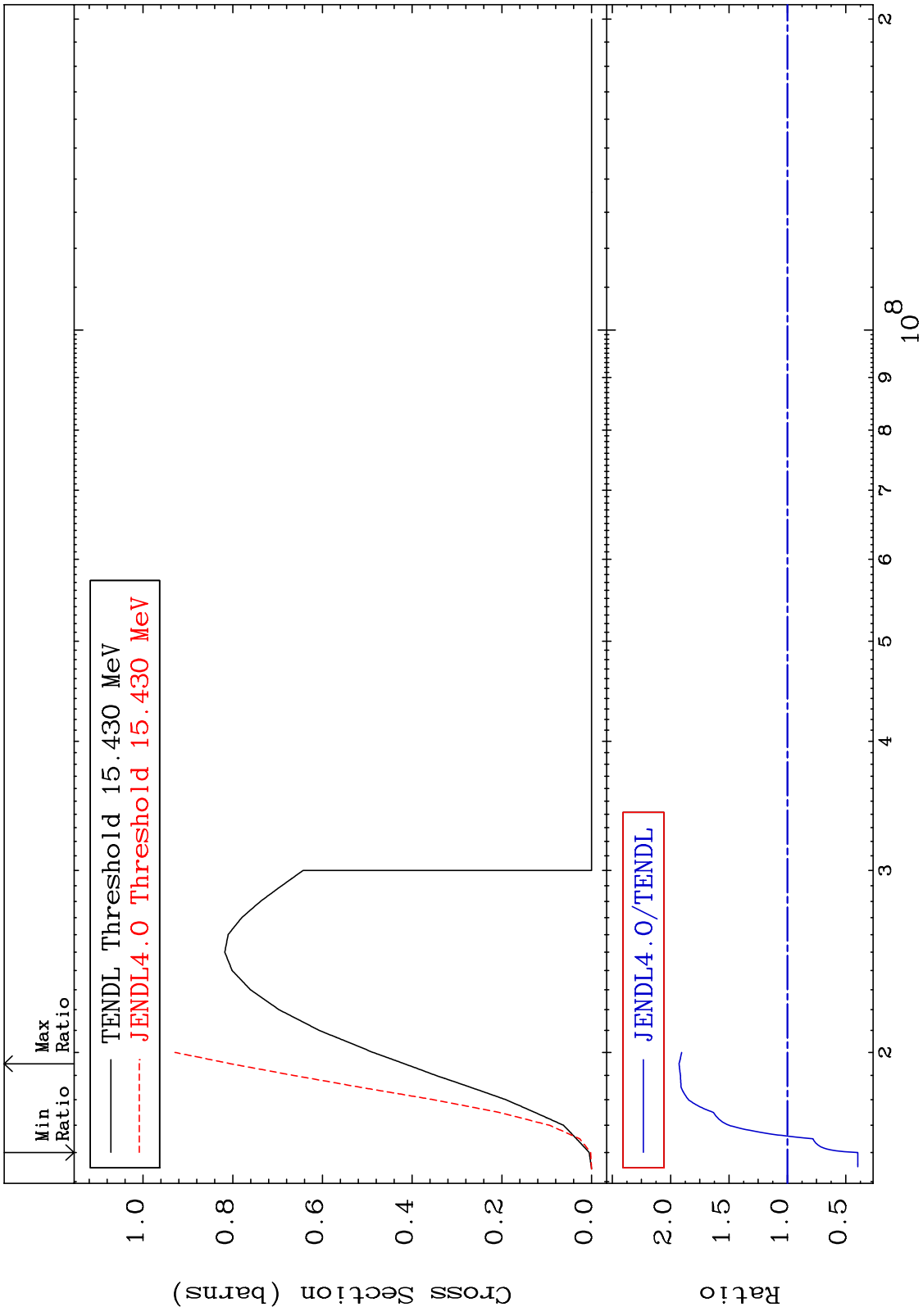
3 64-Gd-155

MAT 6434 (n,2n) Cross Section 64-Gd-155 -27.14 To 189.2 %



64-Gd-155 Incident Energy (eV)

MAT 6434 (n,3n) Cross Section 64-Gd-155 -60.34 To 92.82 %



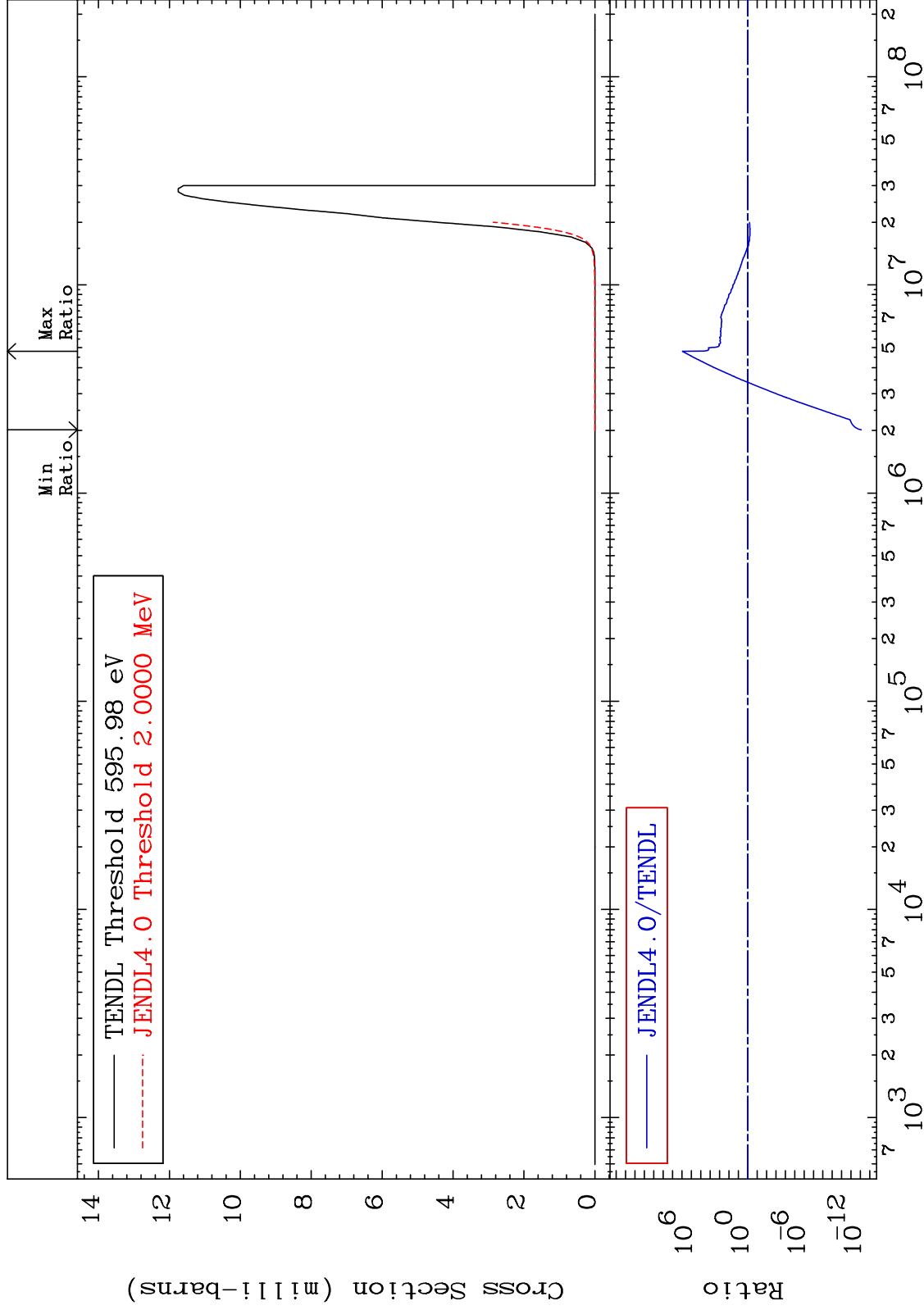
MAT 6434

(n,n') α

64-Gd-155

-100.0 To 9999. %

Cross Section



6

Incident Energy (eV)

64-Gd-155

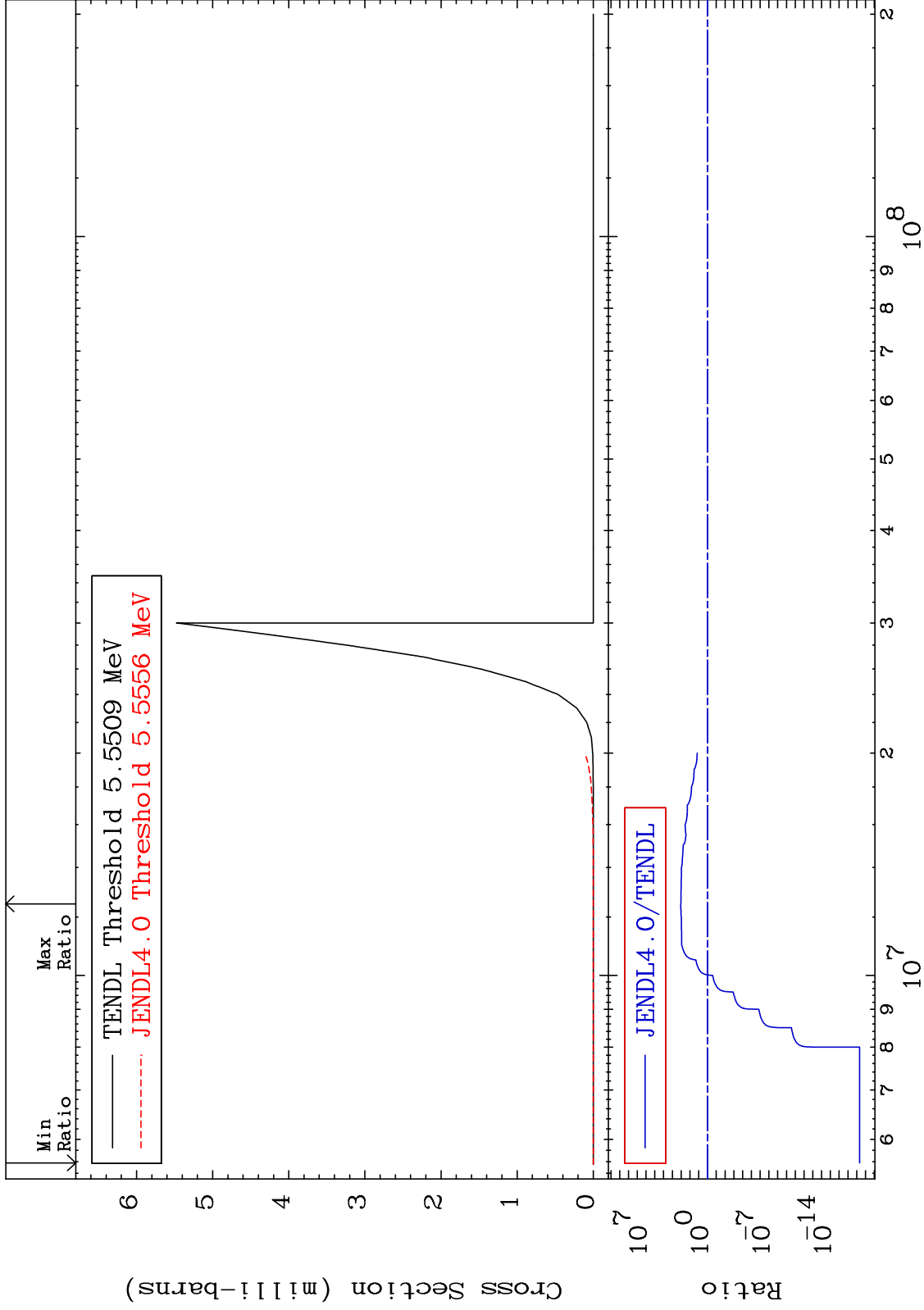
MAT 6434

(n,2n) α

64-Gd-155

-100.0 To 9999. %

Cross Section

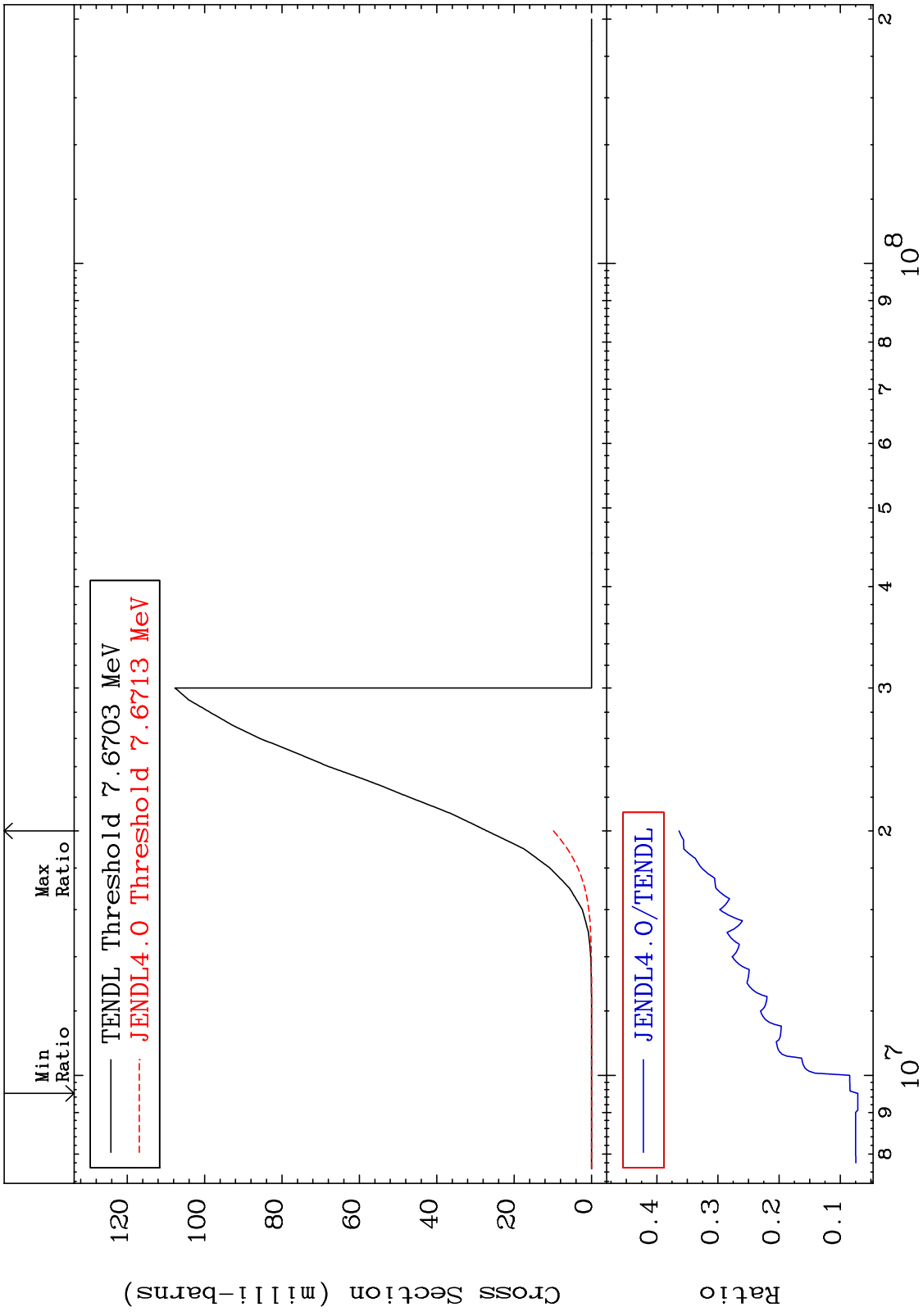


7

Incident Energy (eV)

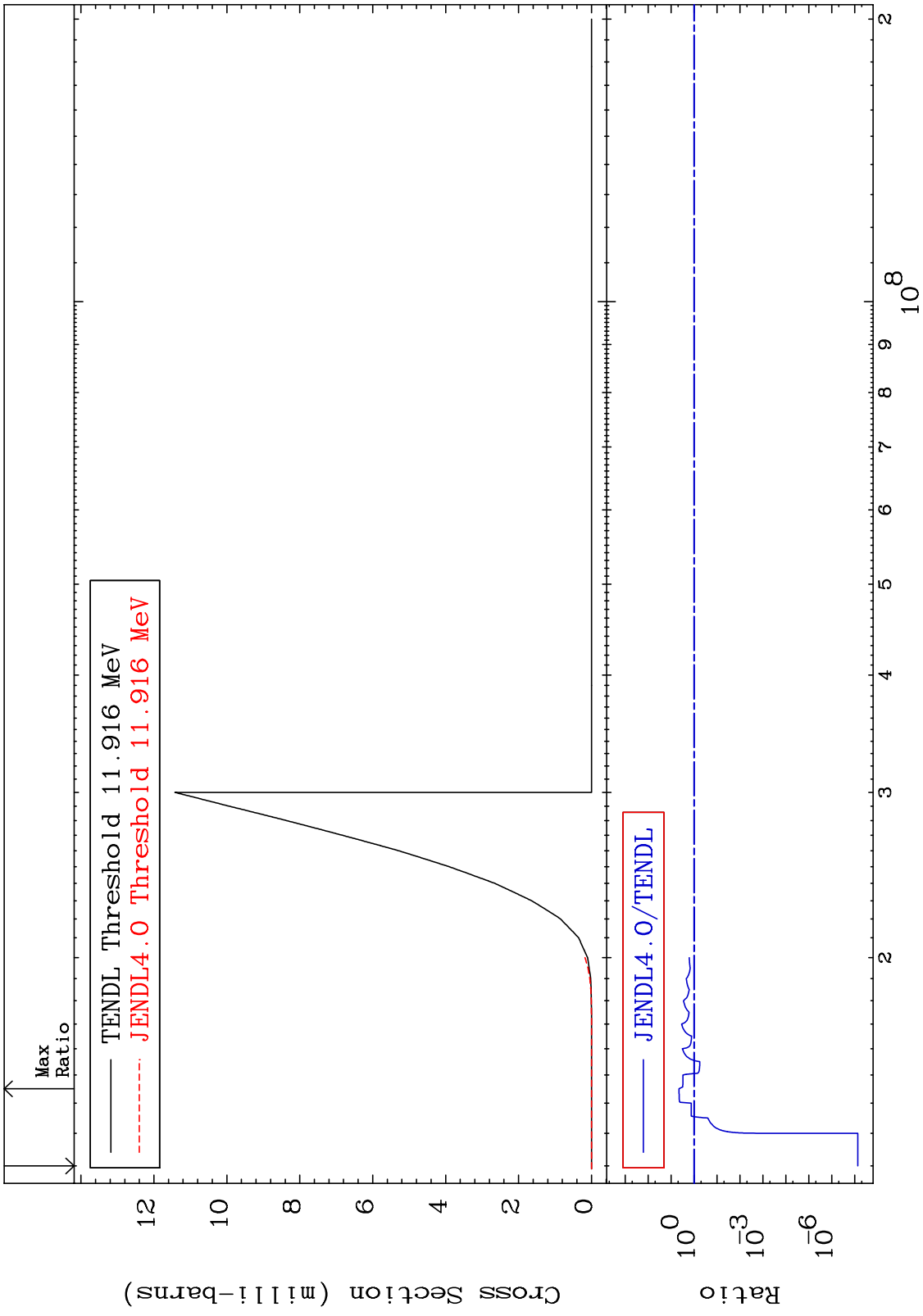
64-Gd-155

MAT 6434 (n, n') p $^{64}\text{Gd}-155$
 Cross Section -92.87 To -63.64%

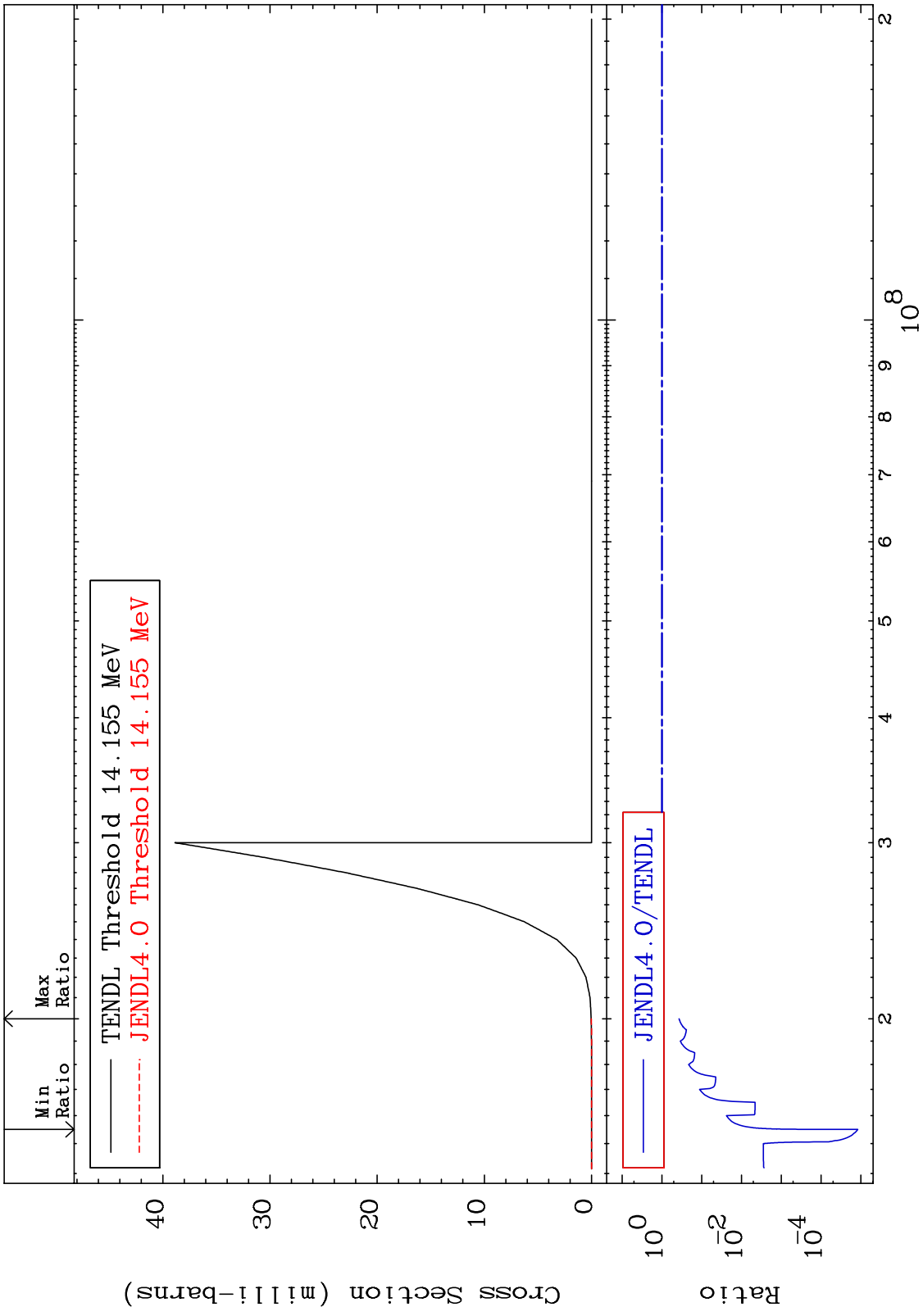


8 $^{64}\text{Gd}-155$

MAT 6434 (n, n') d 64-Gd-155
 Cross Section -100.0 To 350.7 %

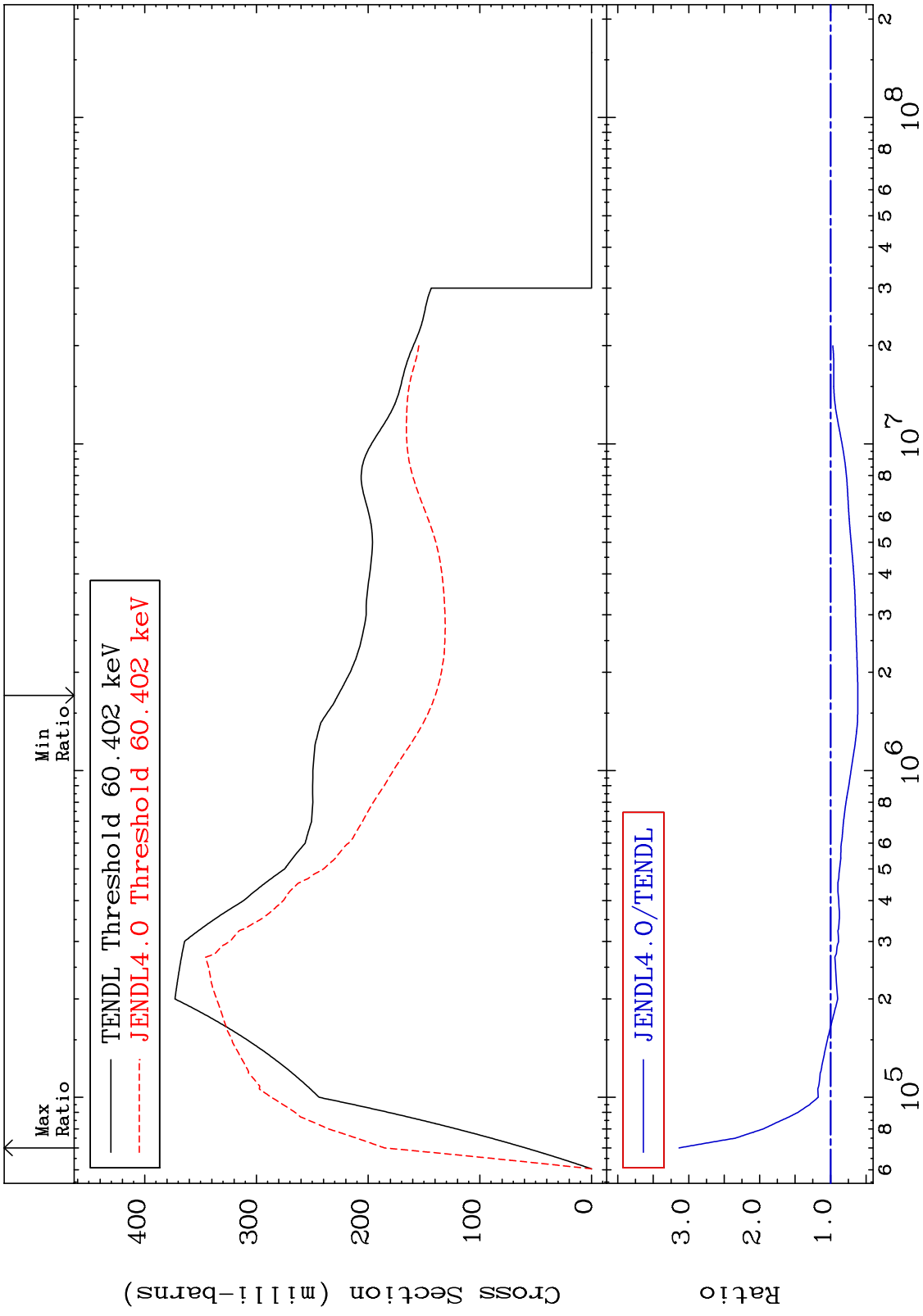


MAT 6434 (n,2n) p 64-Gd-155
 Cross Section -100.0 To -63.05%



10 64-Gd-155

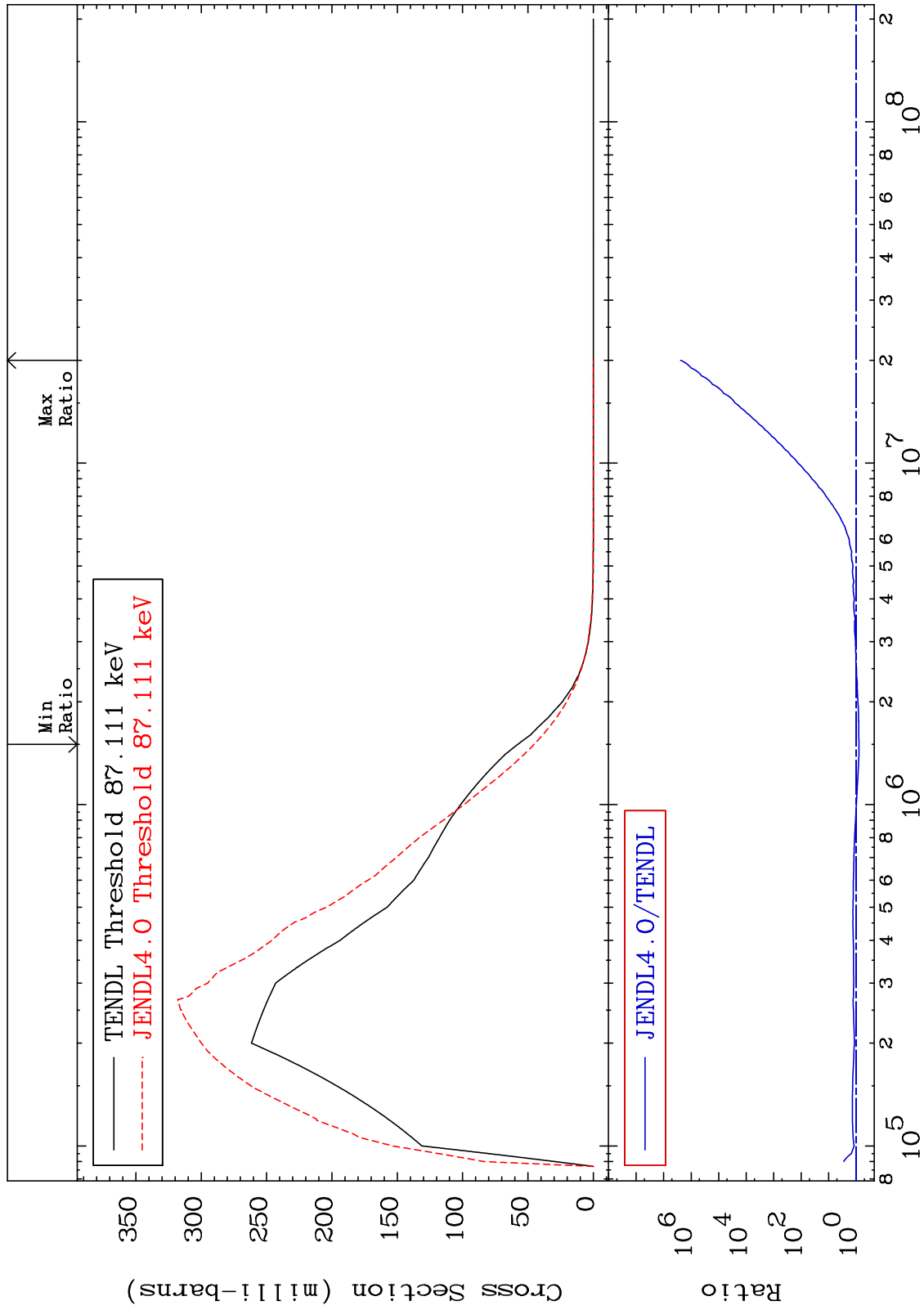
MAT 6434 MT= 51 (n,n') Level Cross Section 64-Gd-155 -38.42 To 213.7 %



MAT 6434

MT= 52 (n,n') Level
Cross Section

64-Gd-155
-21.74 To 9999. %

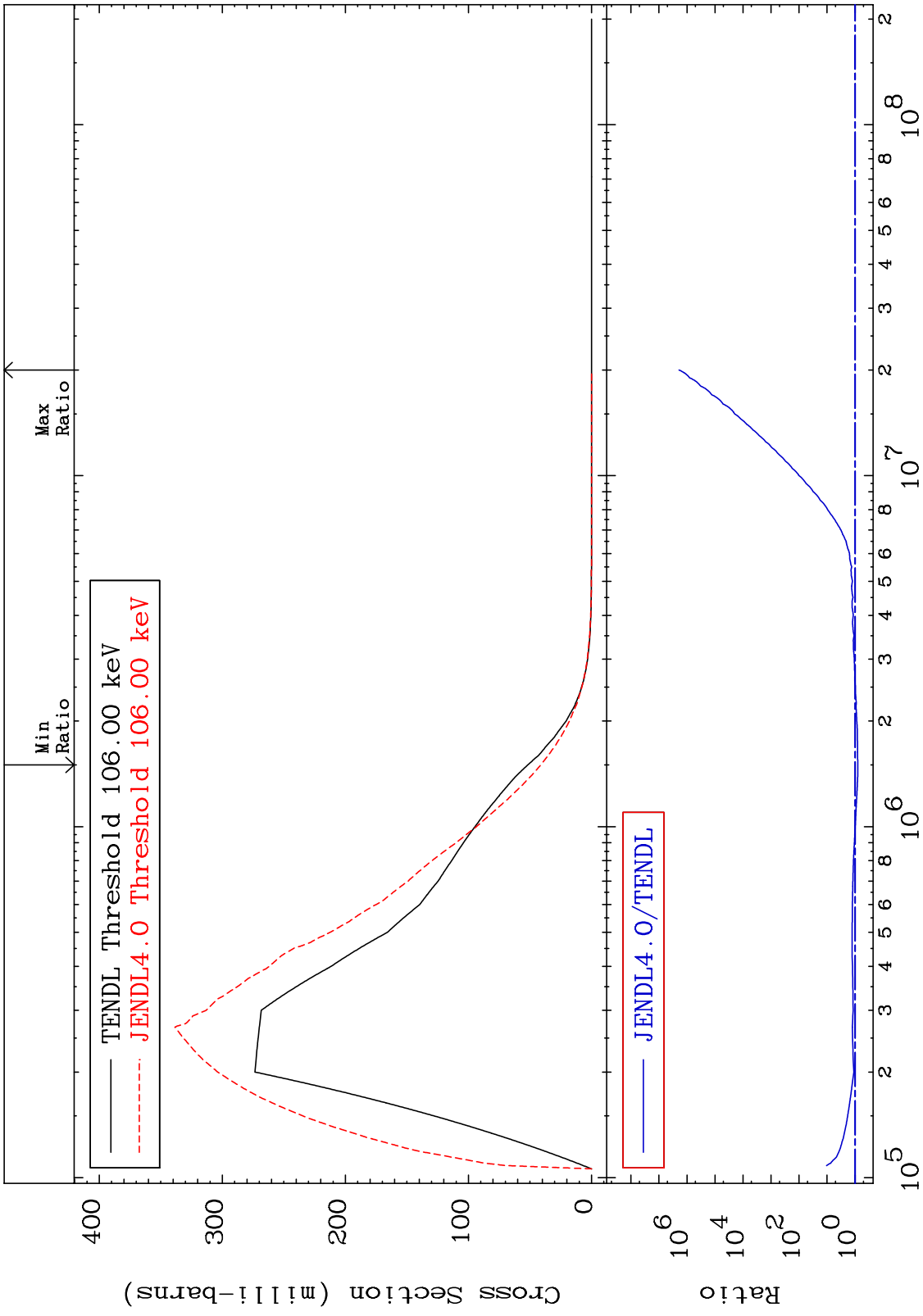


12

Incident Energy (eV)

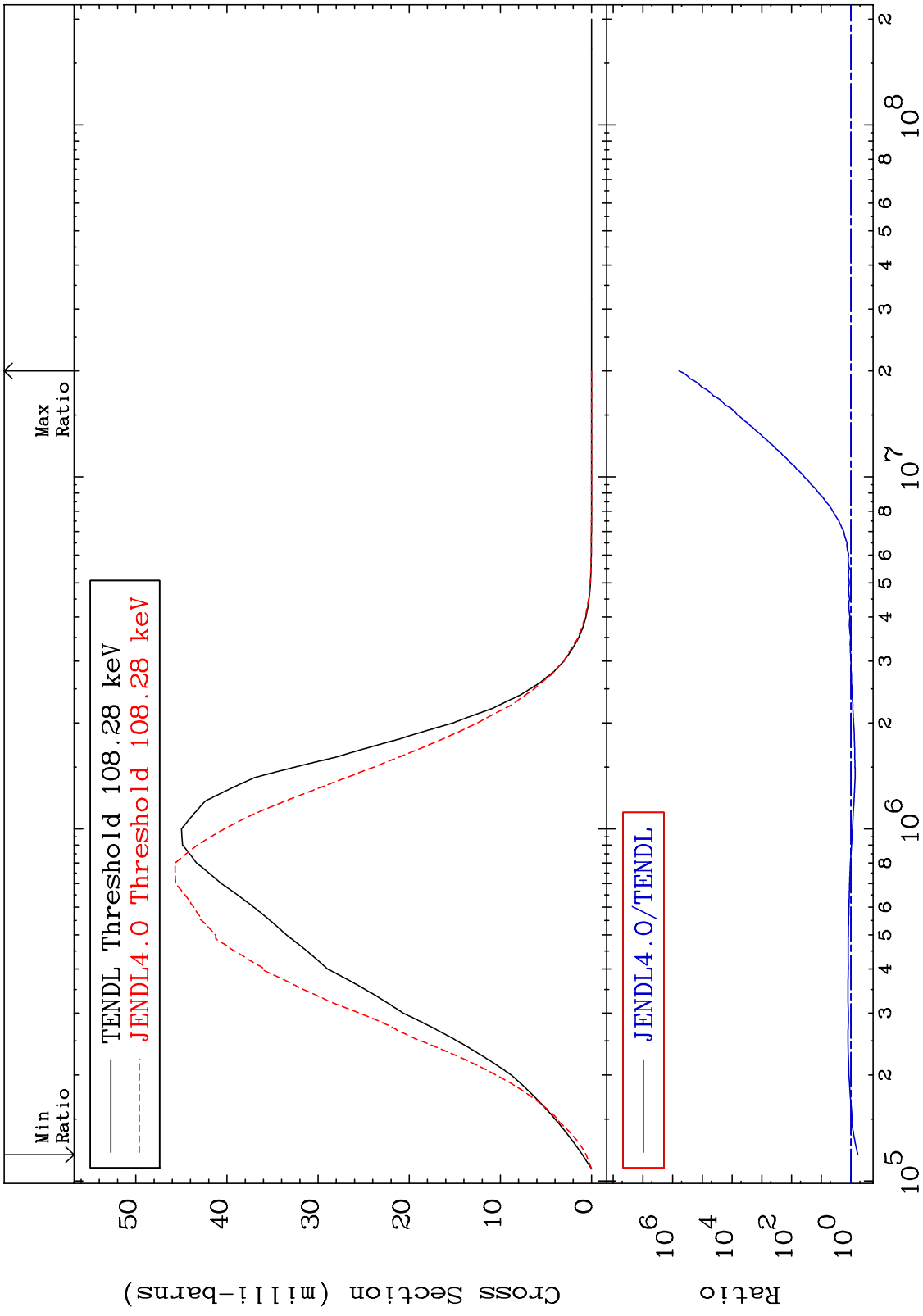
64-Gd-155

MAT 6434 MT= 53 (n,n') Level Cross Section 64-Gd-155
 -20.40 To 9999. %

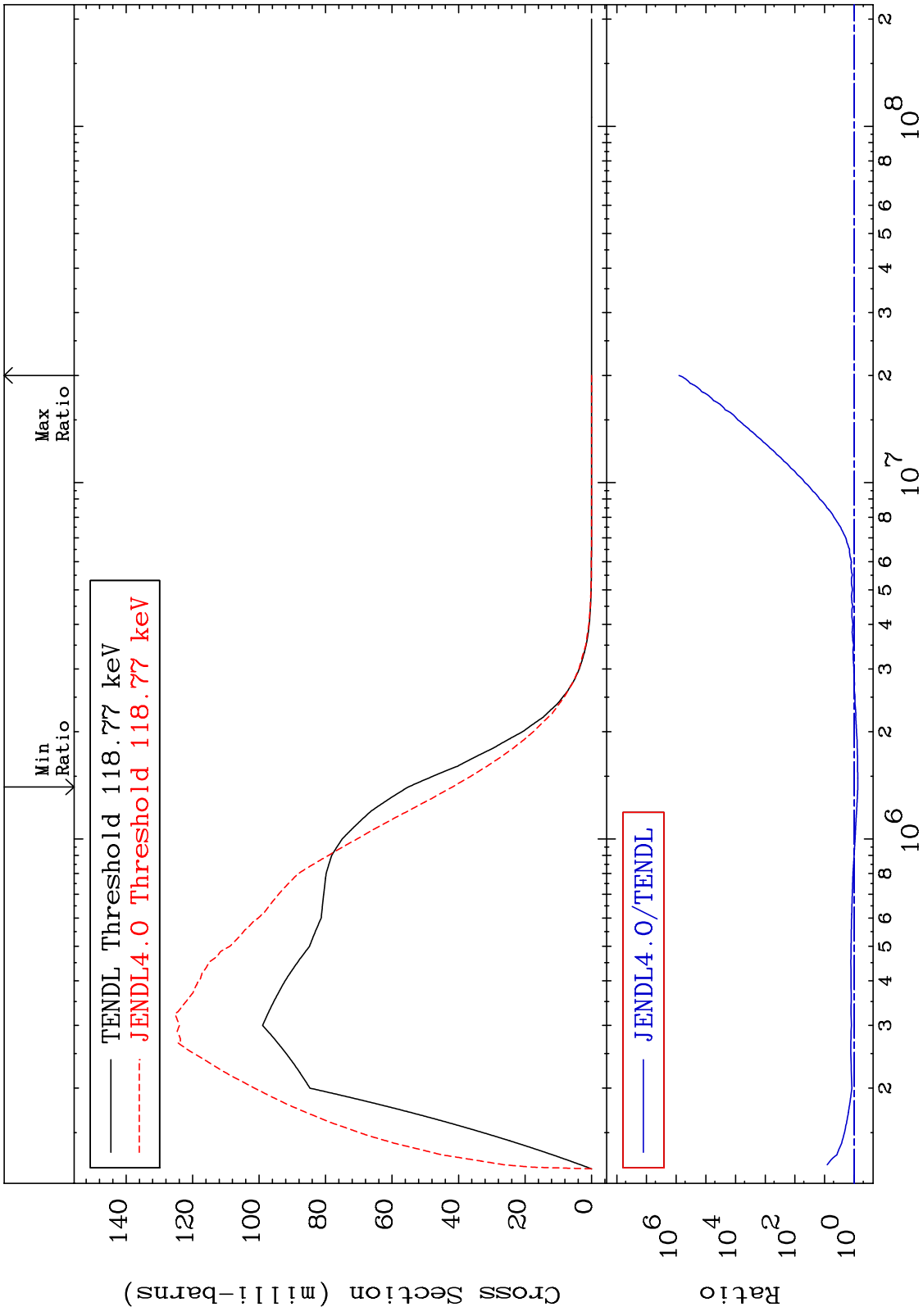


13 Incident Energy (eV) 64-Gd-155

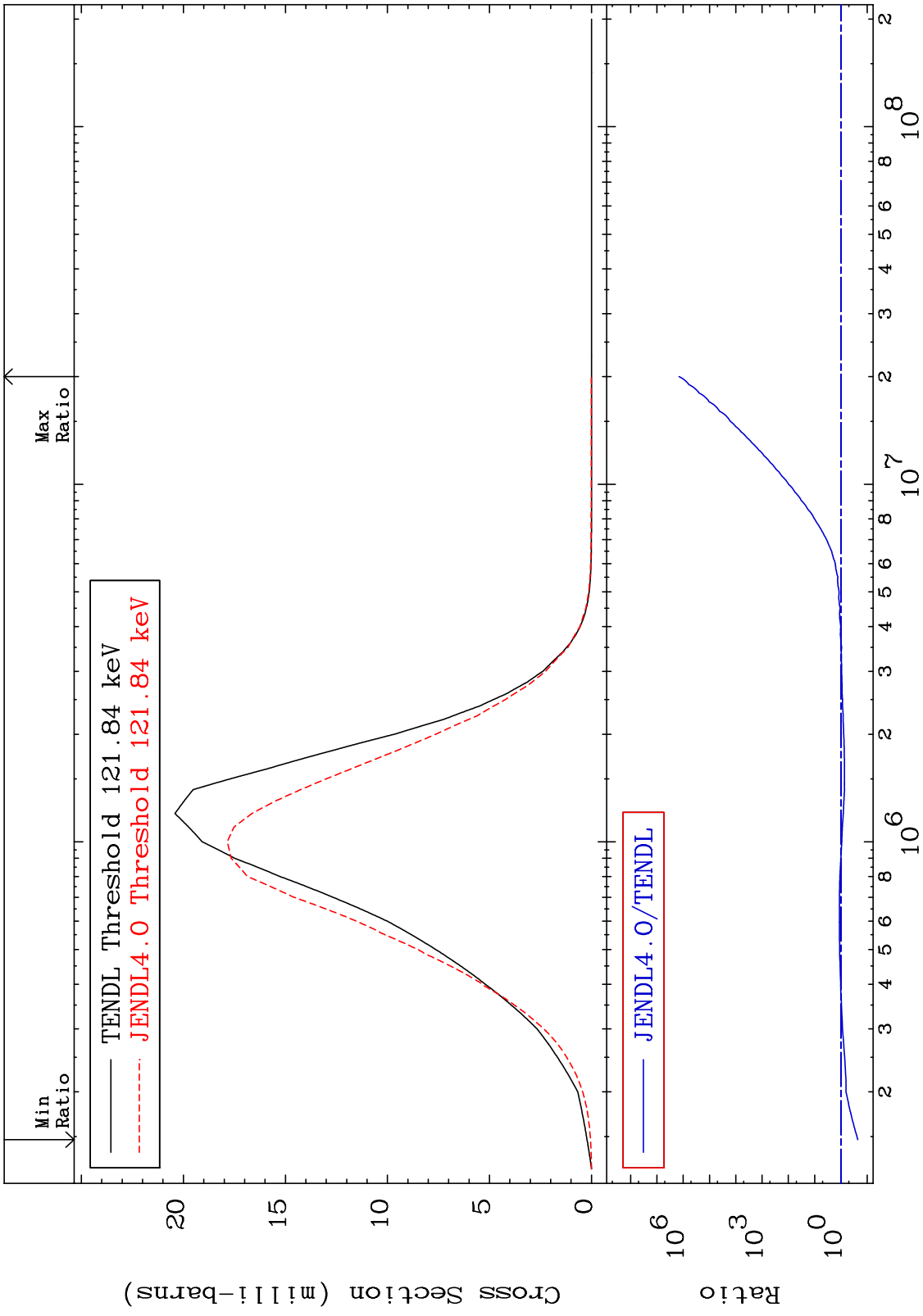
MAT 6434 MT= 54 (n,n') Level Cross Section 64-Gd-155
 -40.87 To 9999. %



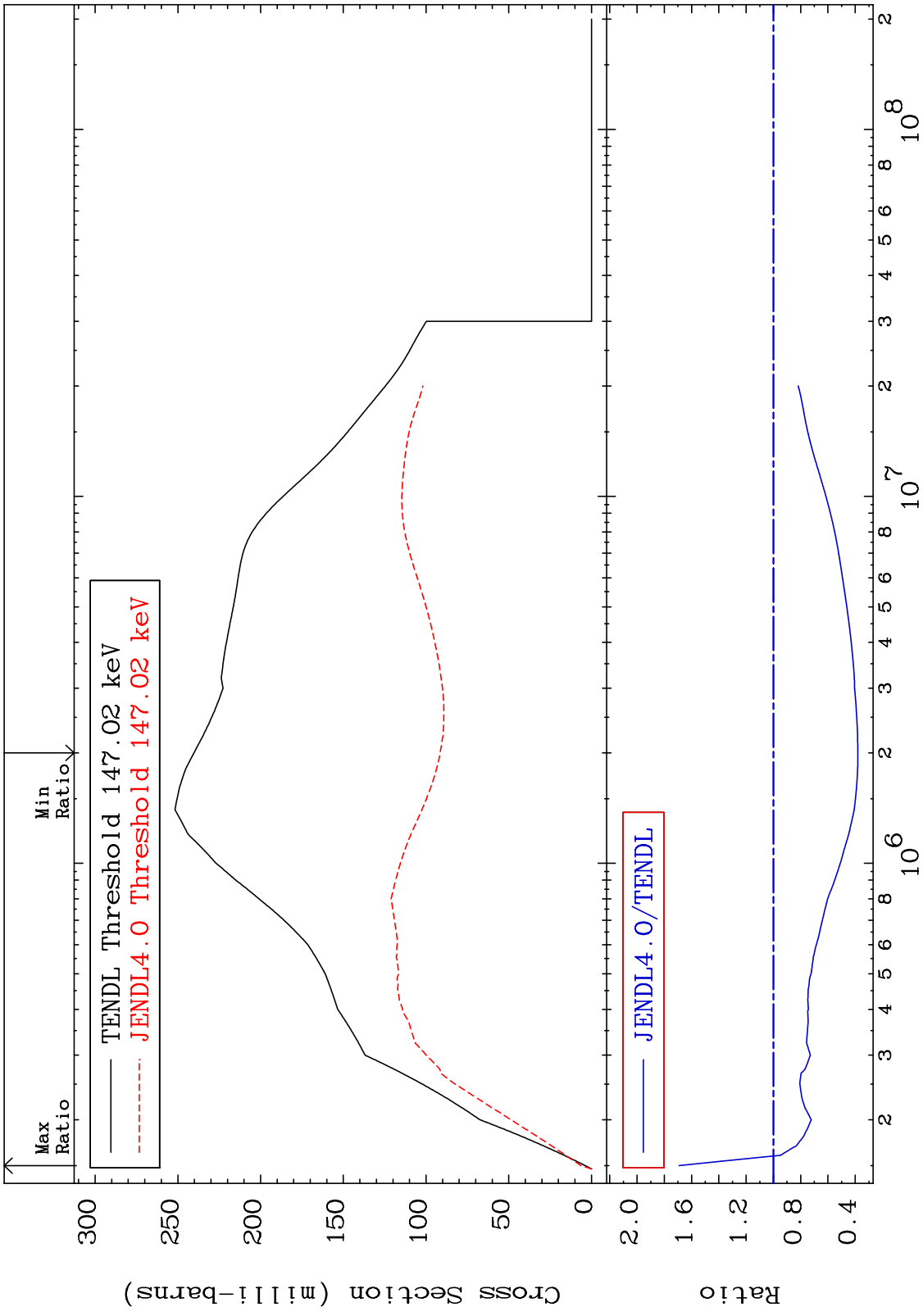
MAT 6434 MT= 55 (n,n') Level Cross Section 64-Gd-155
 -24.15 To 9999. %



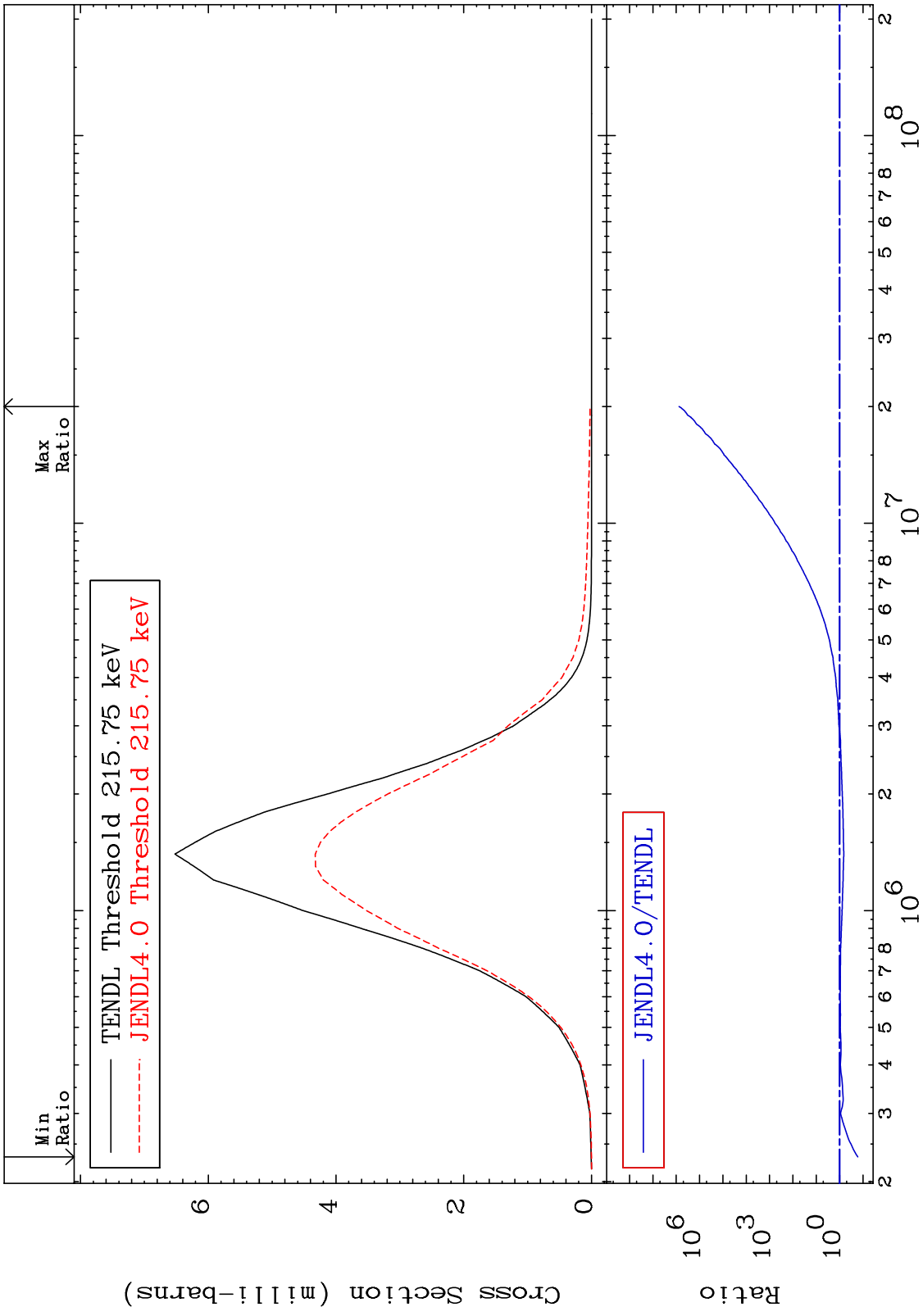
MAT 6434 MT= 56 (n,n') Level Cross Section 64-Gd-155 -77.16 To 9999. %



MAT 6434 MT= 57 (n,n') Level Cross Section 64-Gd-155 -61.94 To 69.19 %



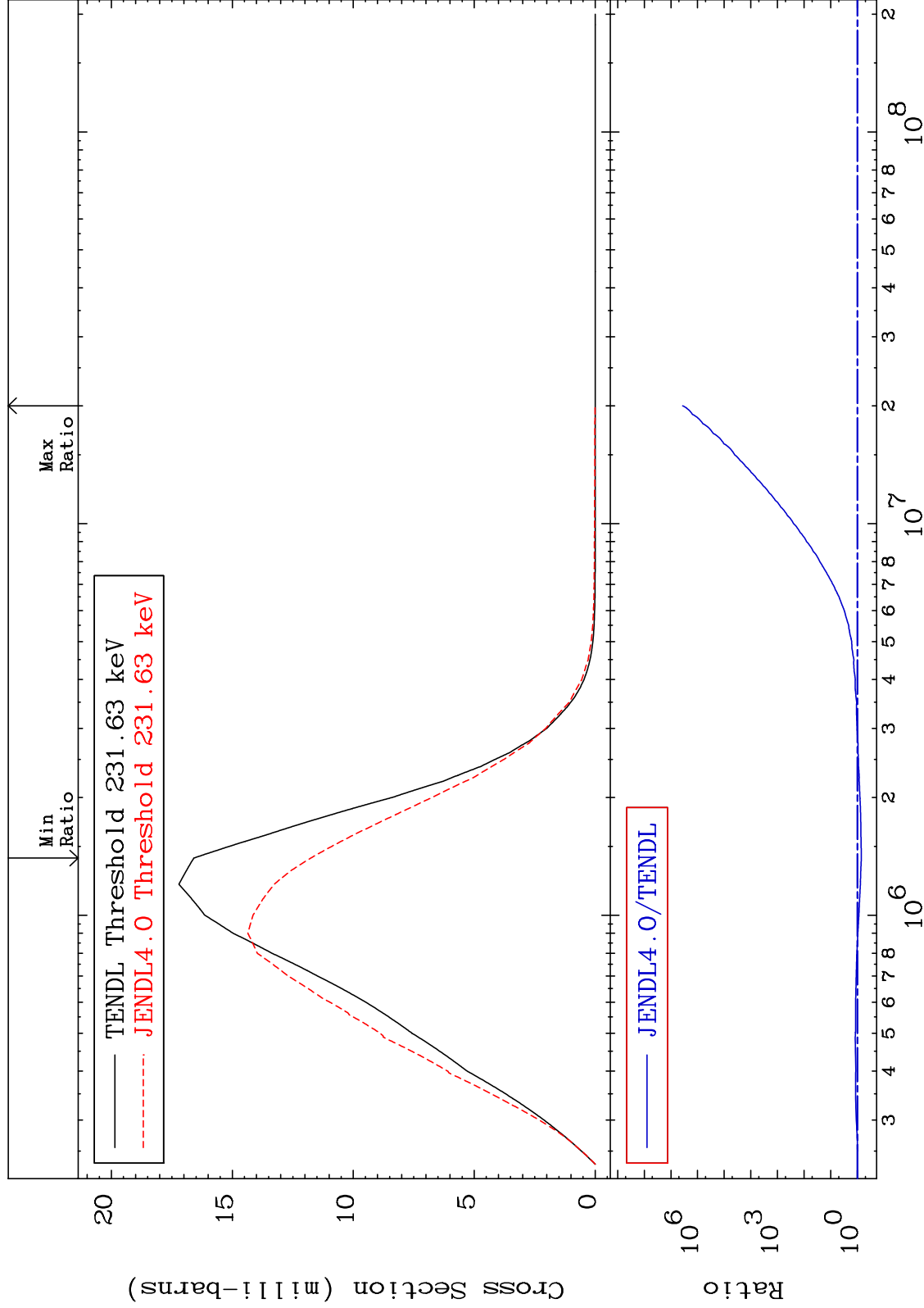
MAT 6434 MT= 58 (n,n') Level Cross Section 64-Gd-155
 -83.43 To 9999. %



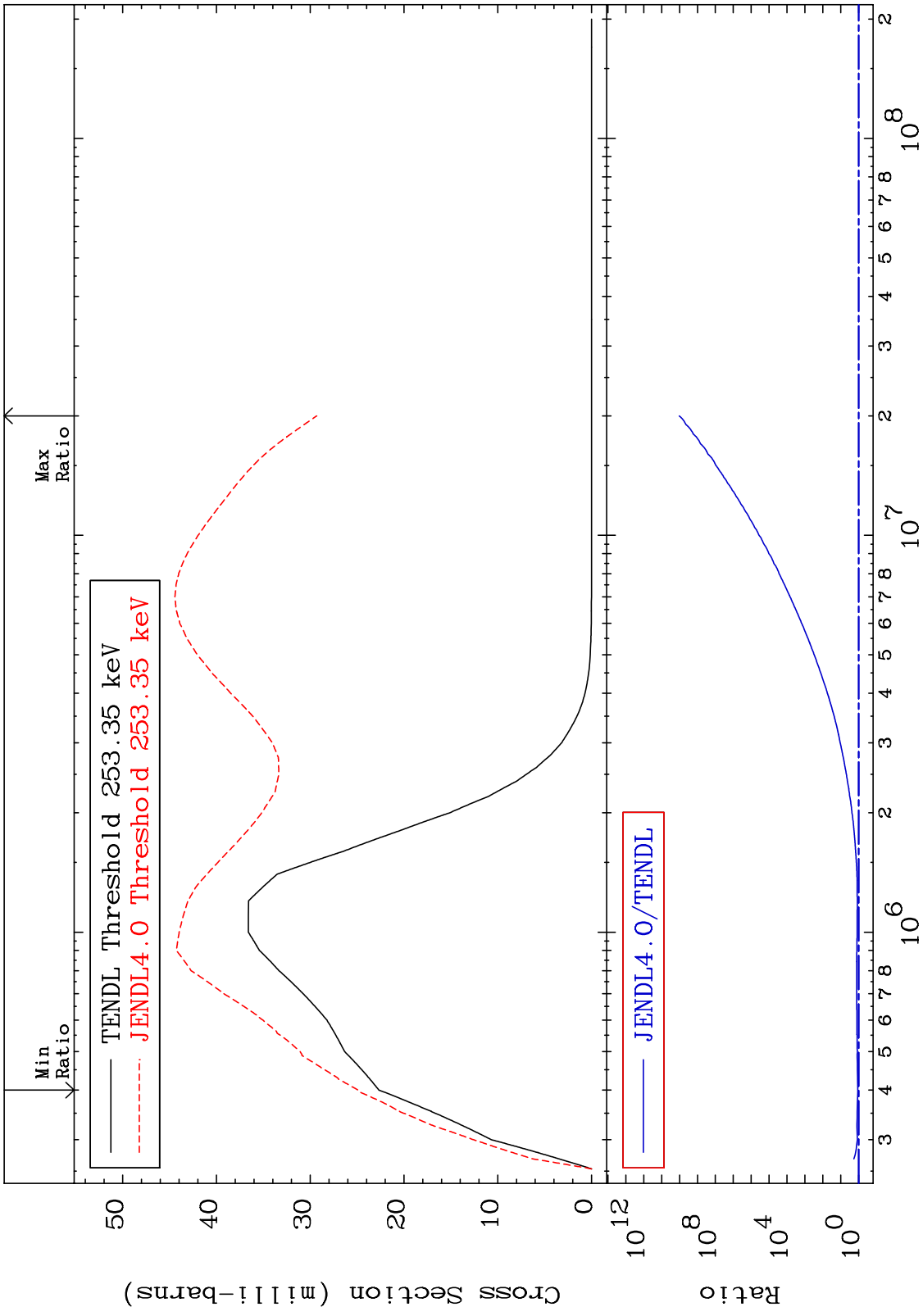
MAT 6434

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

64-Gd-155
-29.15 To 9999. %

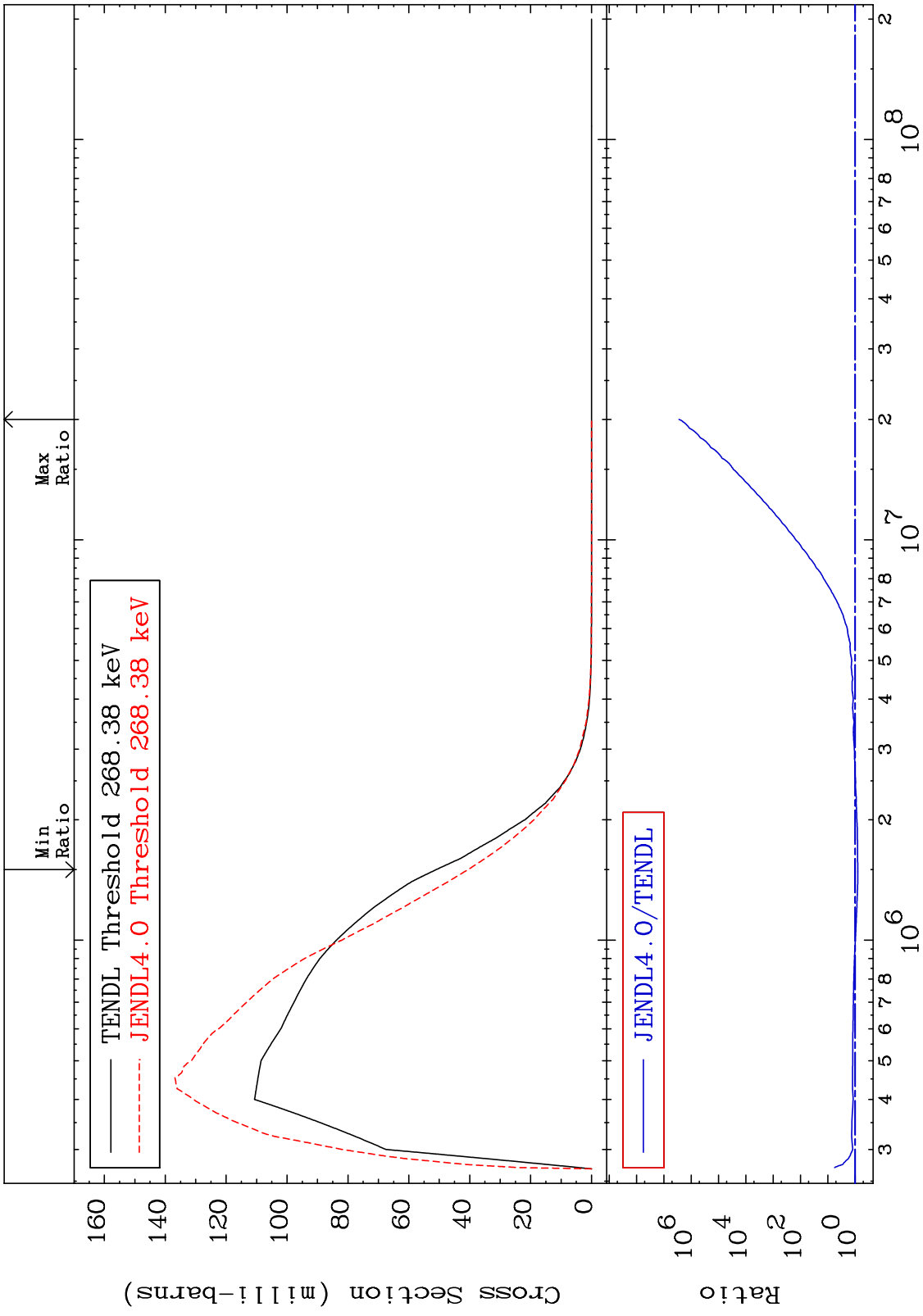


MAT 6434 MT= 60 (n,n') Level Cross Section 64-Gd-155 9.769 To 9999. %



20 64-Gd-155 Incident Energy (eV)

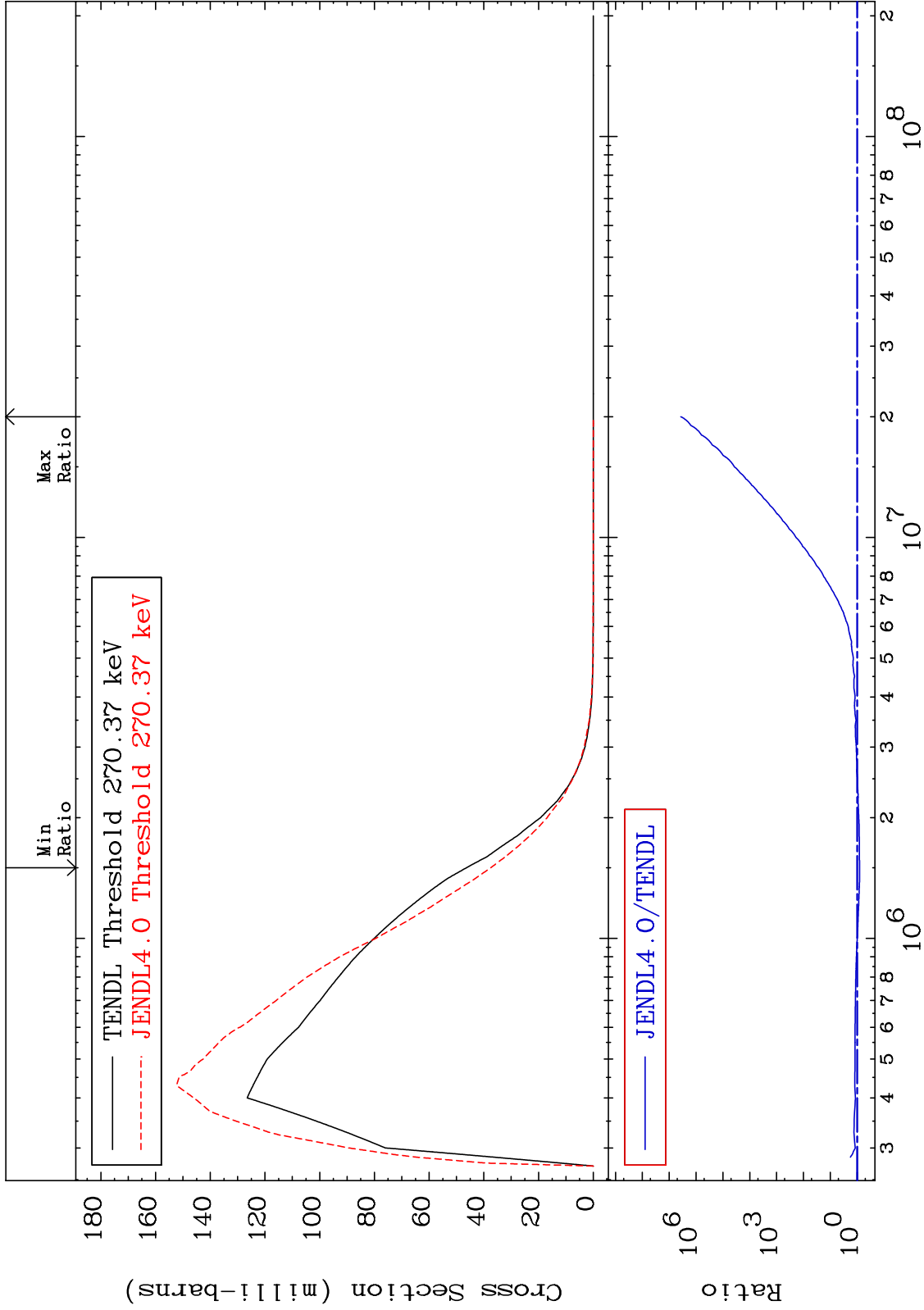
MAT 6434 MT= 61 (n,n') Level Cross Section 64-Gd-155
 -20.53 To 9999. %



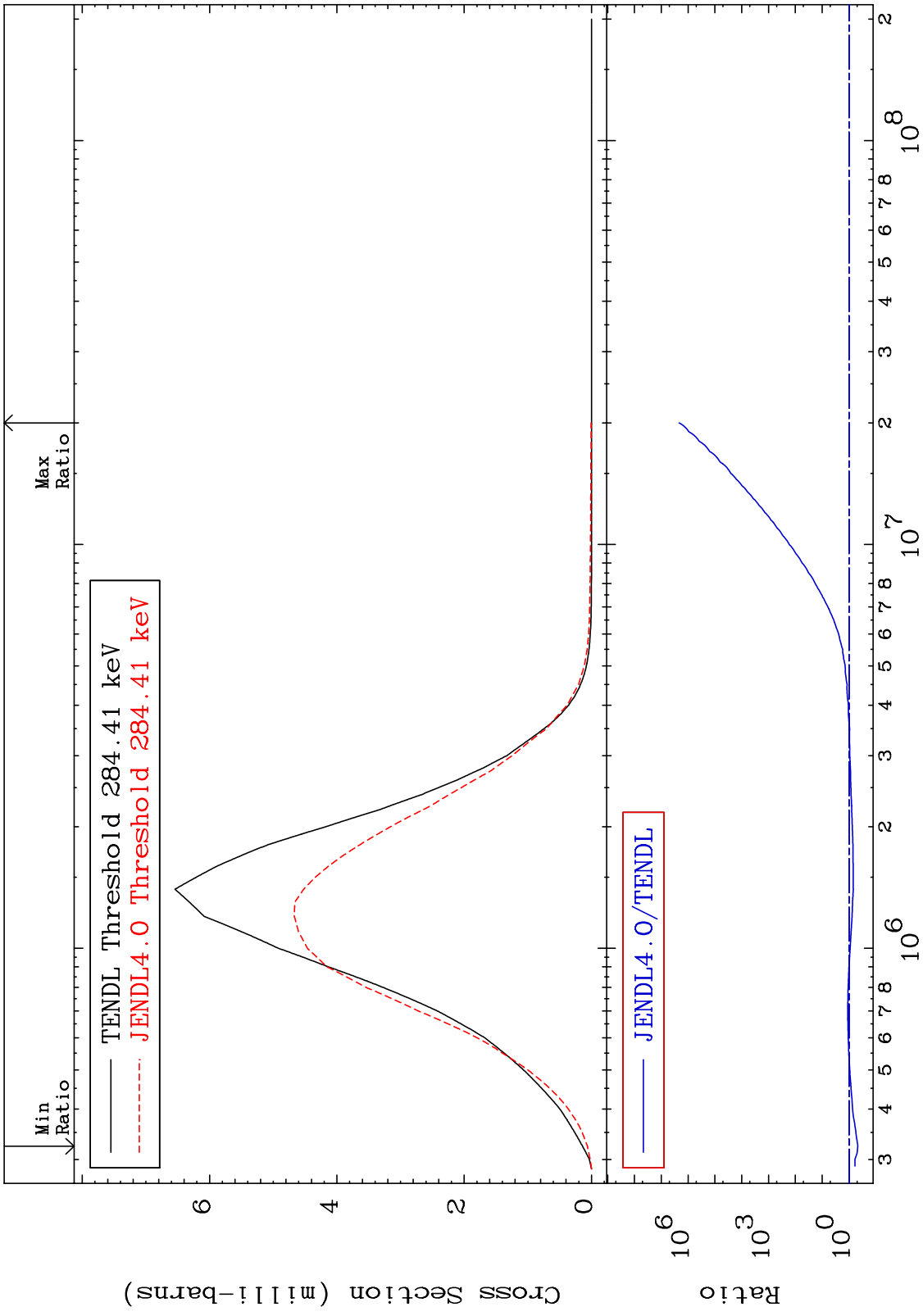
MAT 6434

MT= 62 (n,n') Level
Cross Section

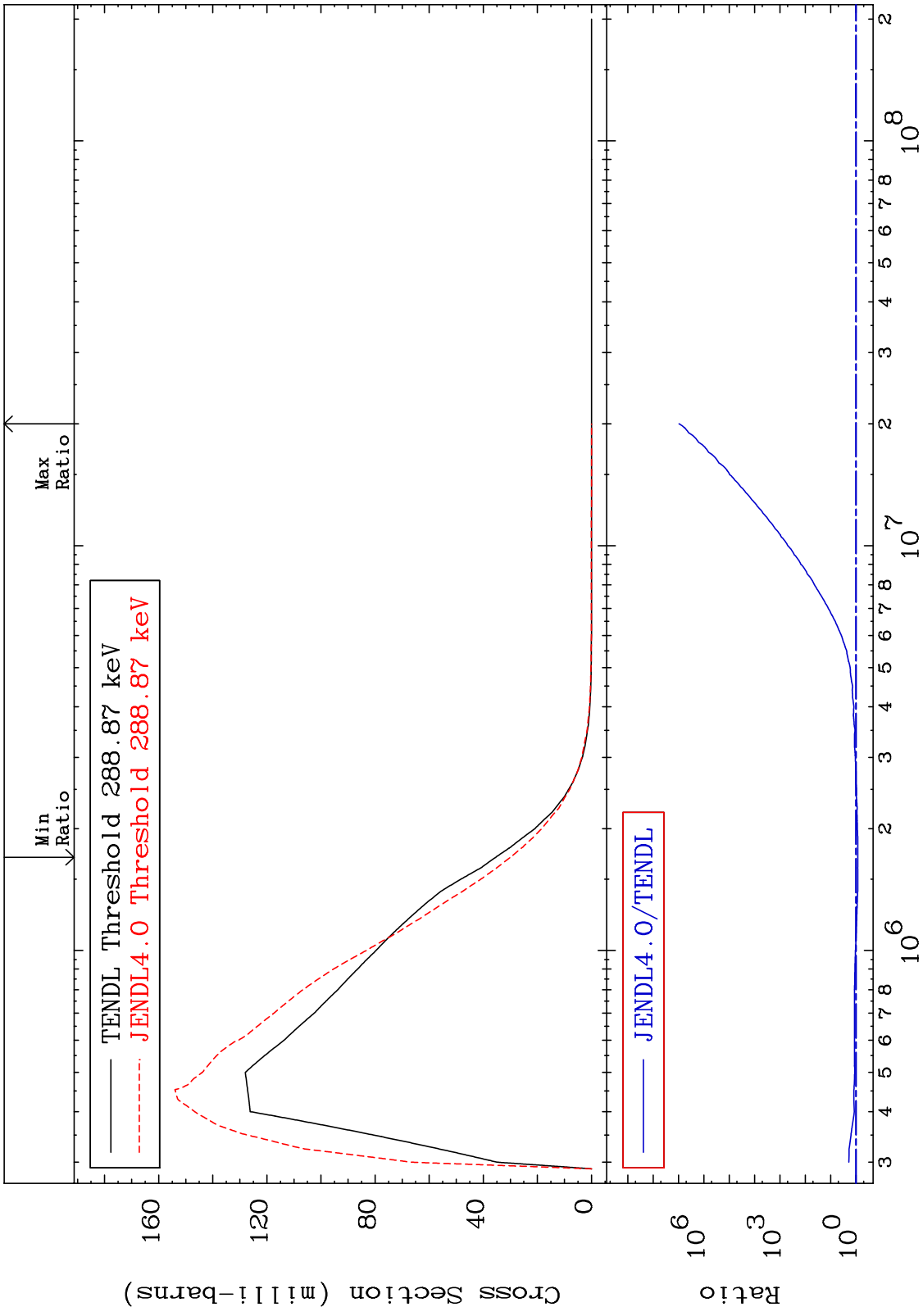
64-Gd-155
-19.22 To 9999. %



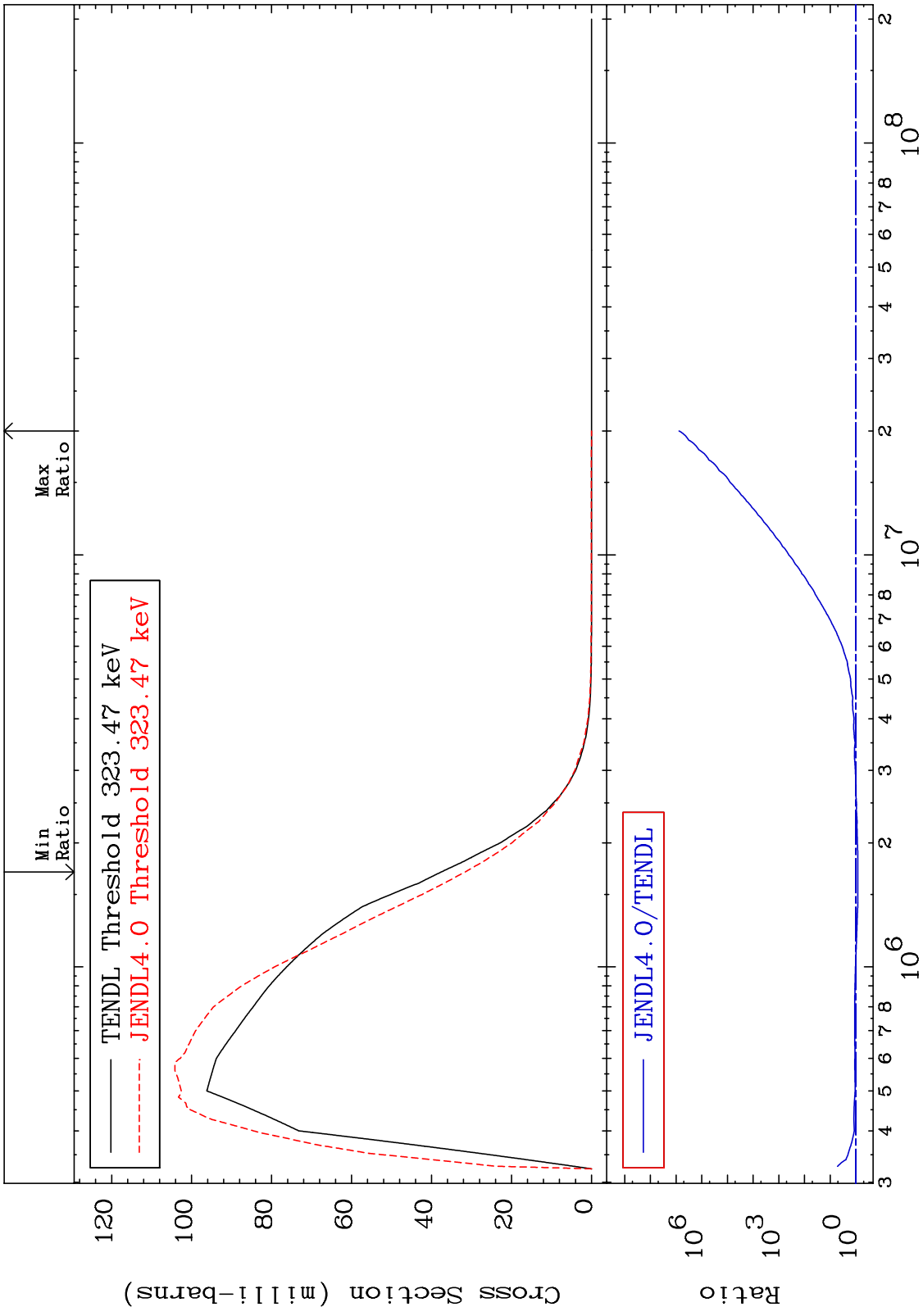
MAT 6434 MT= 63 (n,n') Level Cross Section 64-Gd-155
 -53.14 To 9999. %



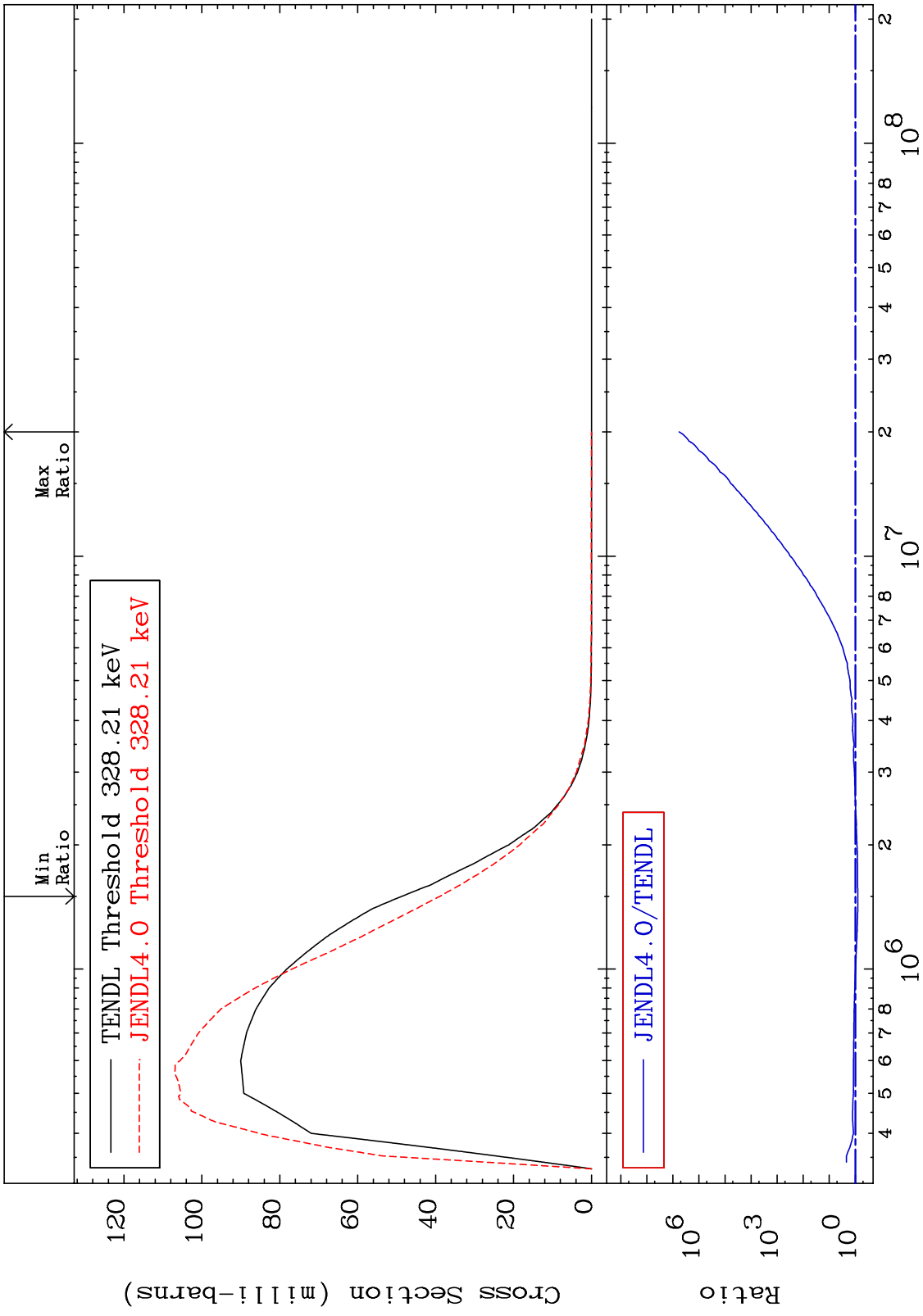
MAT 6434 MT= 64 (n,n') Level Cross Section 64-Gd-155
 -15.54 To 9999. %



MAT 6434 MT= 65 (n,n') Level Cross Section 64-Gd-155
 -15.93 To 9999. %



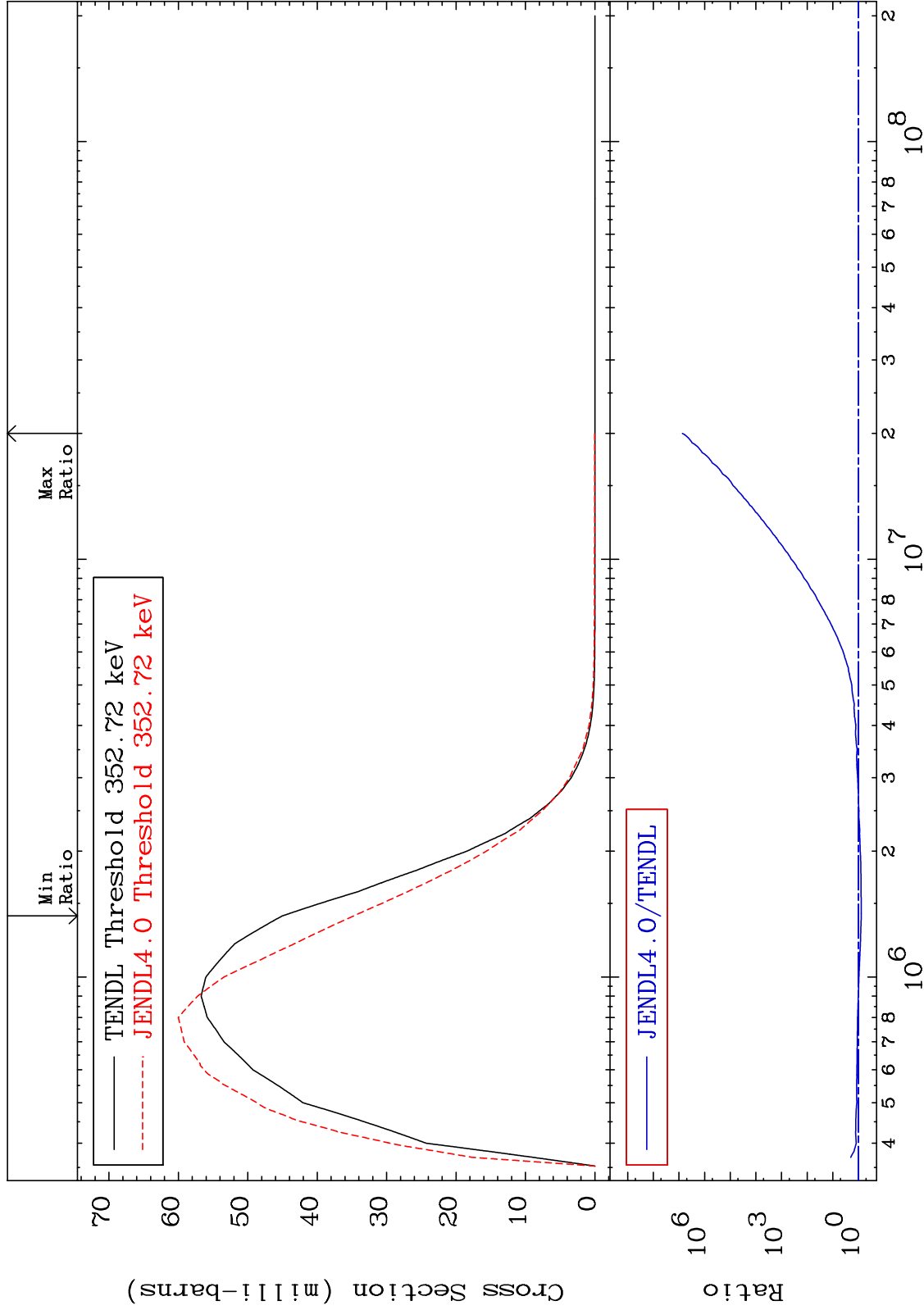
MAT 6434 MT= 66 (n,n') Level Cross Section 64-Gd-155
 -20.09 To 9999. %



MAT 6434

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

64-Gd-155
-22.83 To 9999. %

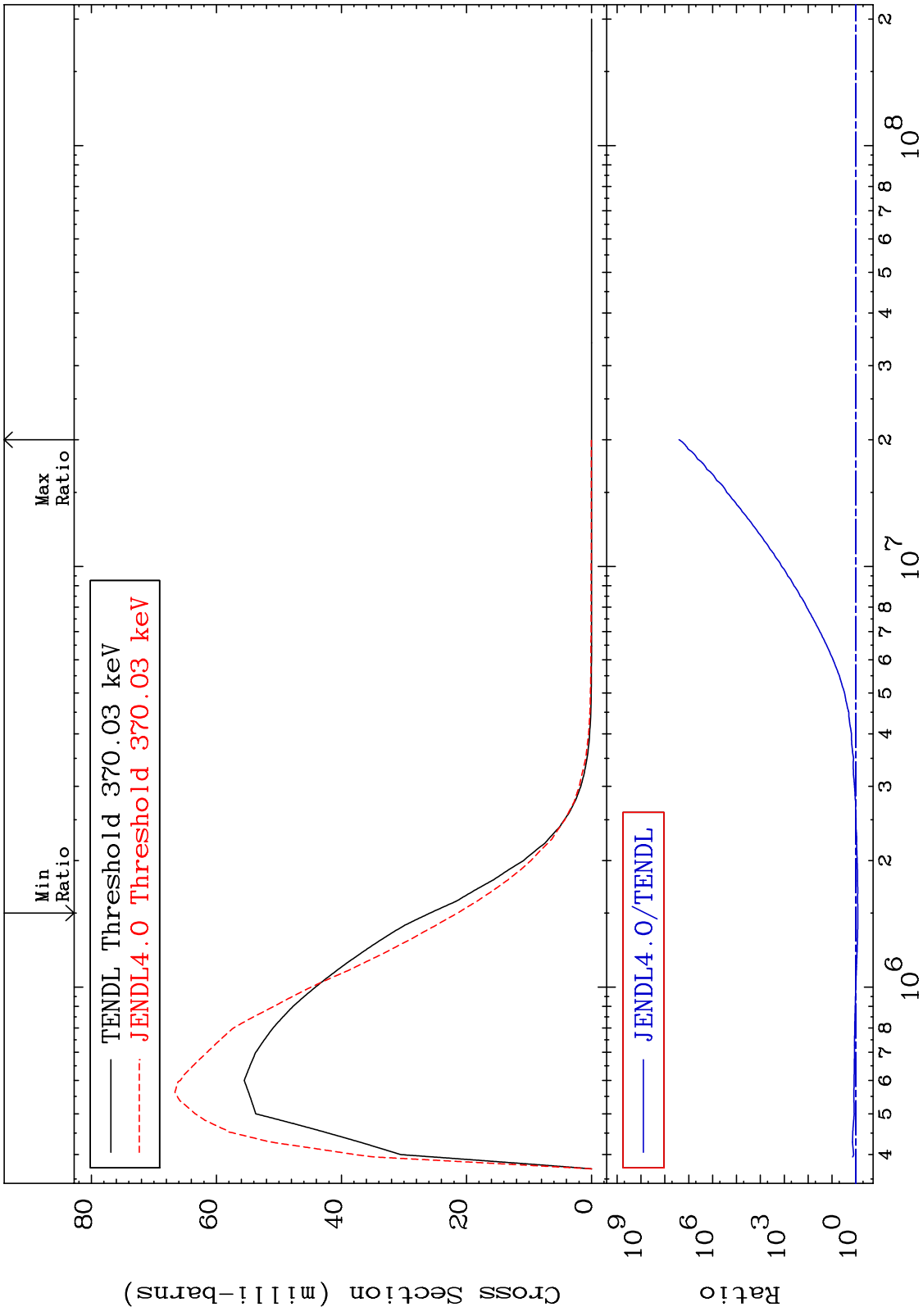


27

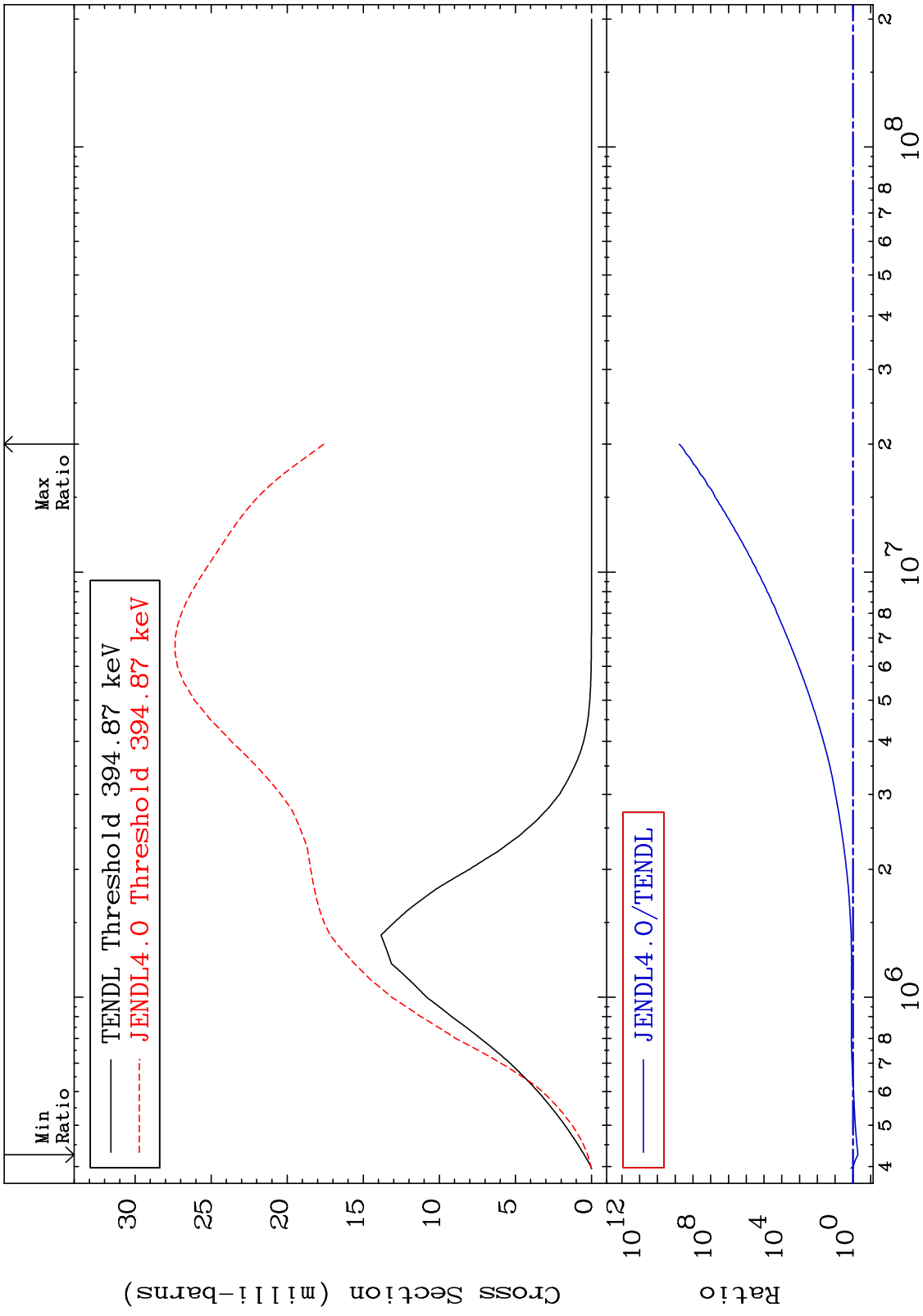
Incident Energy (eV)

64-Gd-155

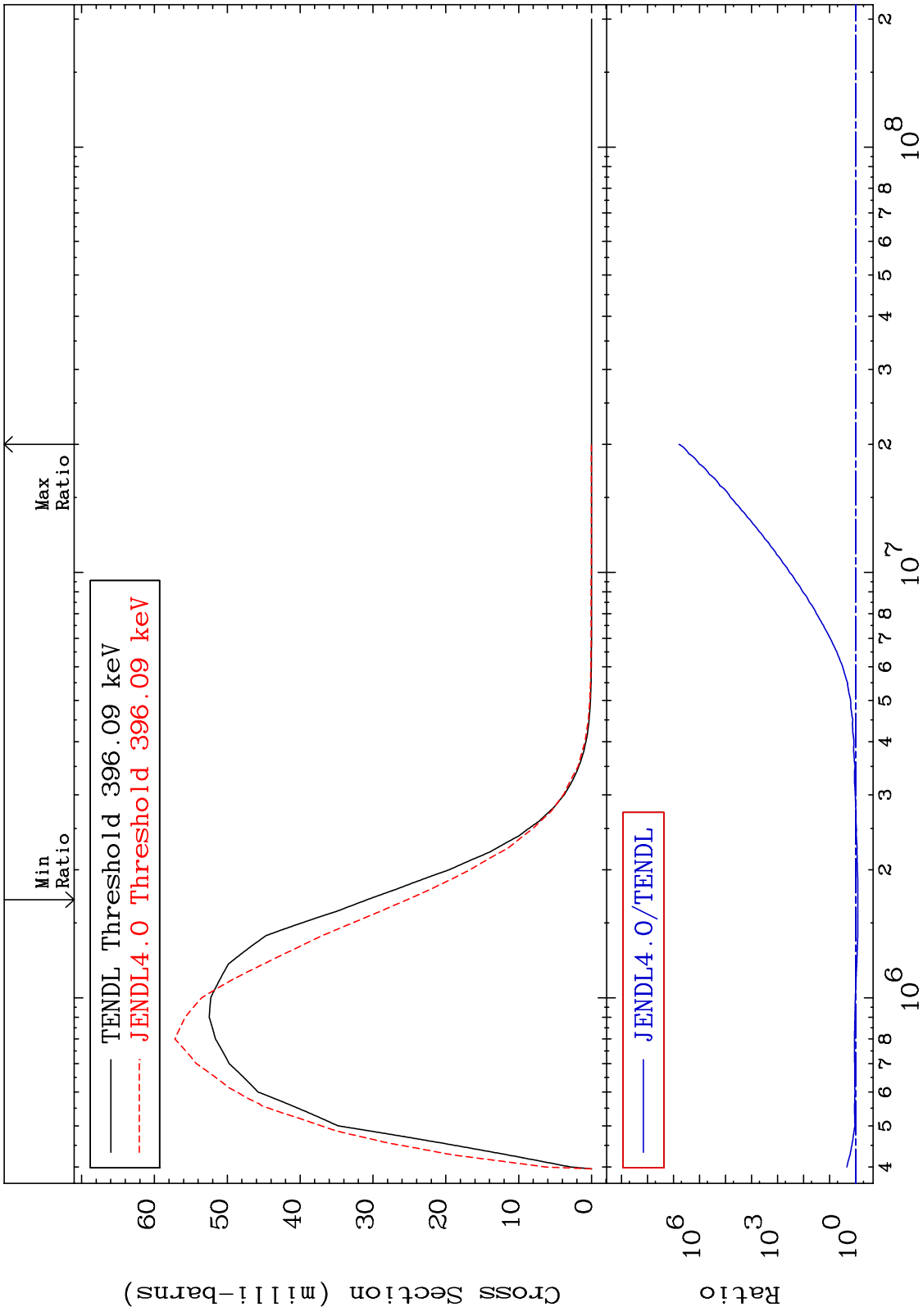
MAT 6434 MT= 68 (n,n') Level Cross Section 64-Gd-155
 -17.04 To 9999. %



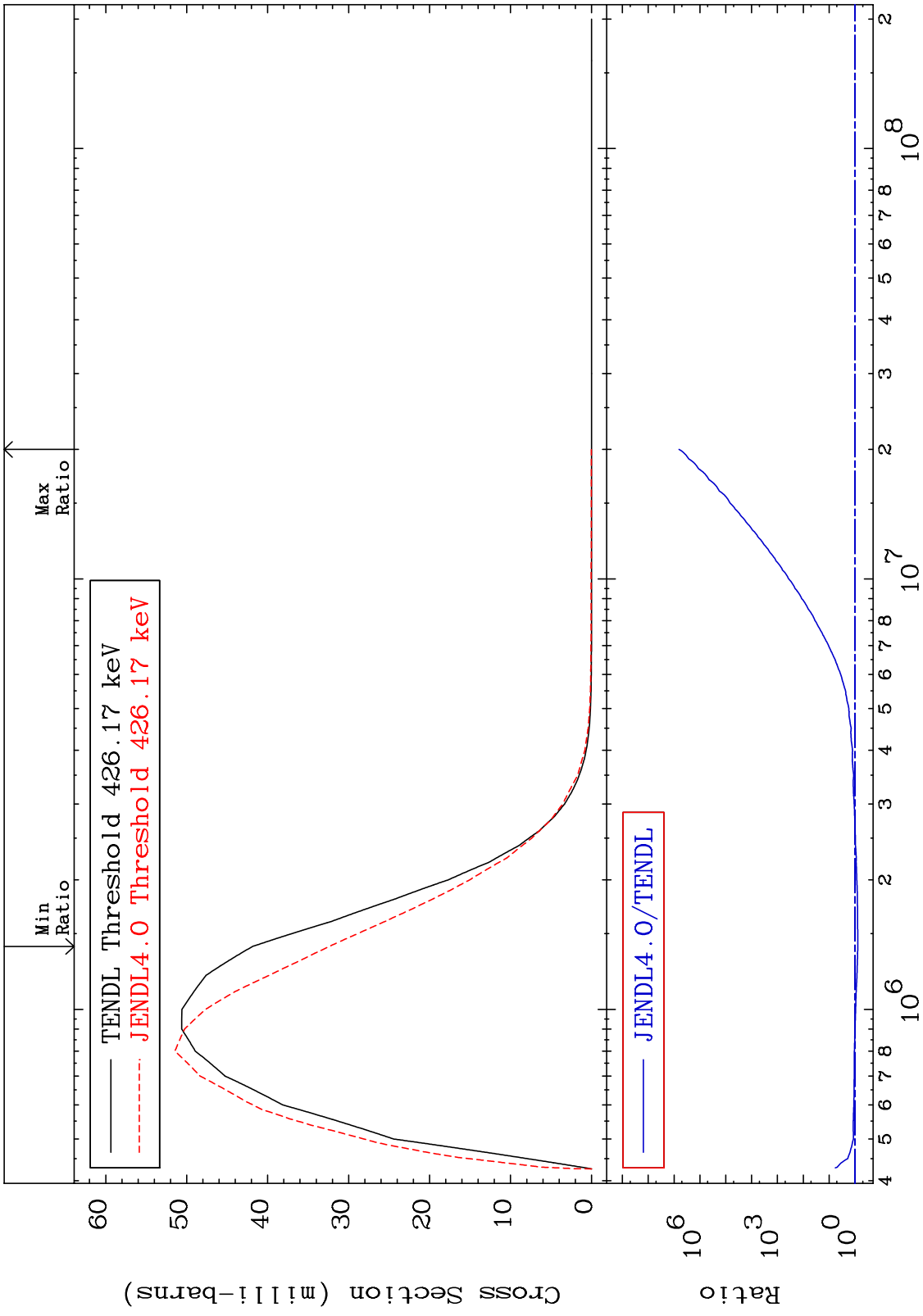
MAT 6434 MT= 69 (n,n') Level Cross Section 64-Gd-155 -47.29 To 9999. %



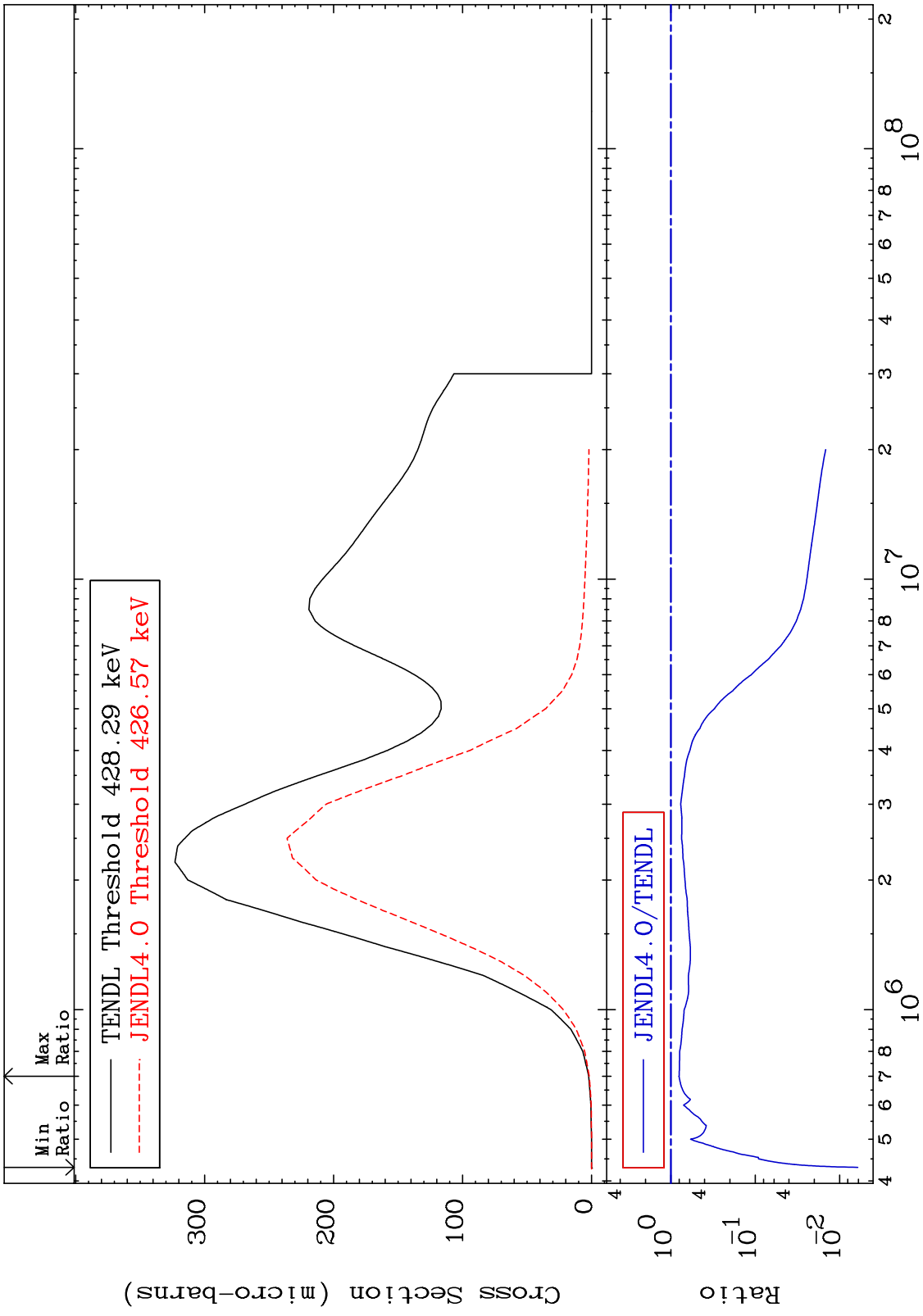
MAT 6434 MT= 70 (n,n') Level Cross Section 64-Gd-155
 -17.89 To 9999. %



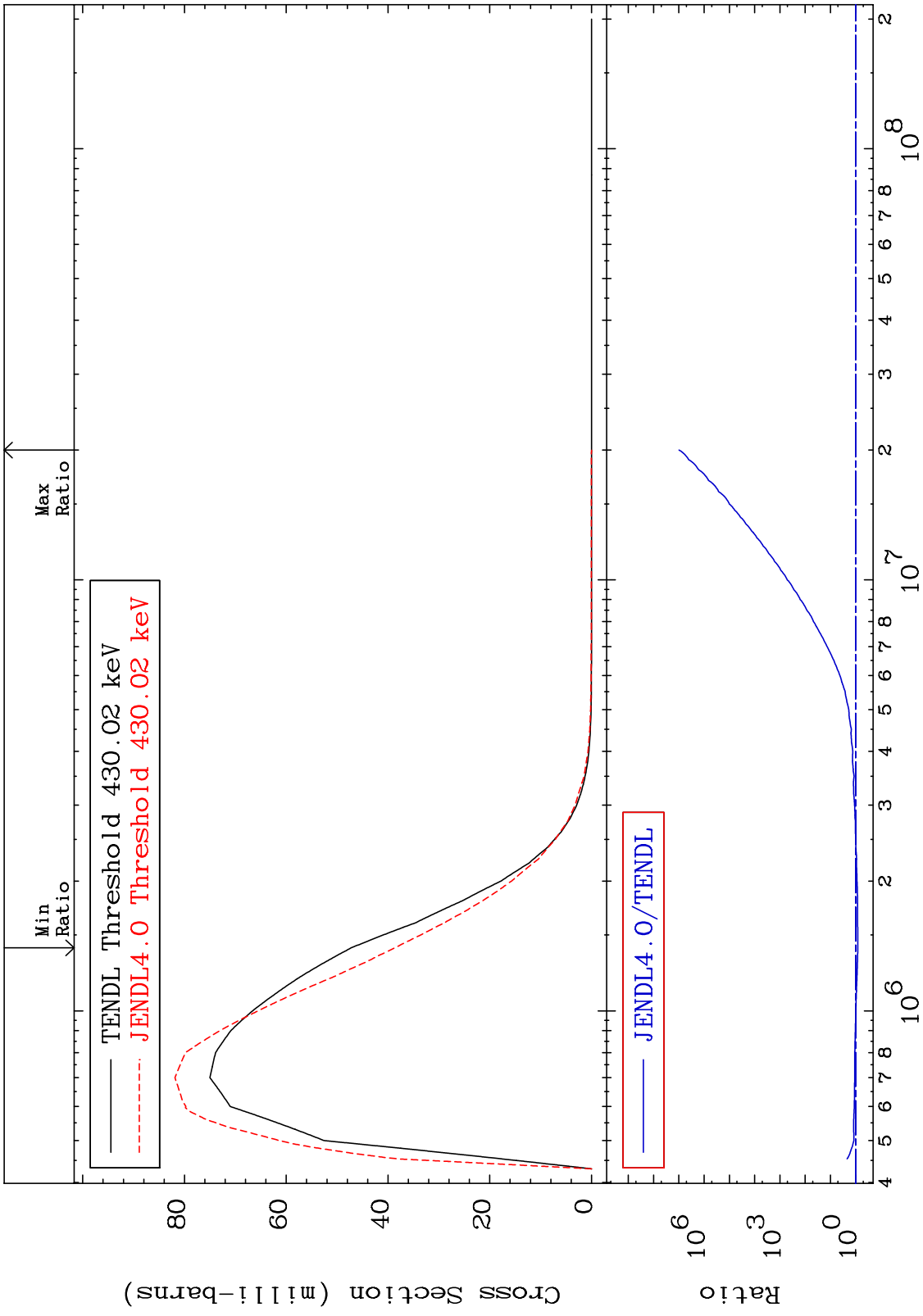
MAT 6434 MT= 71 (n,n') Level Cross Section 64-Gd-155
 -22.64 To 9999. %



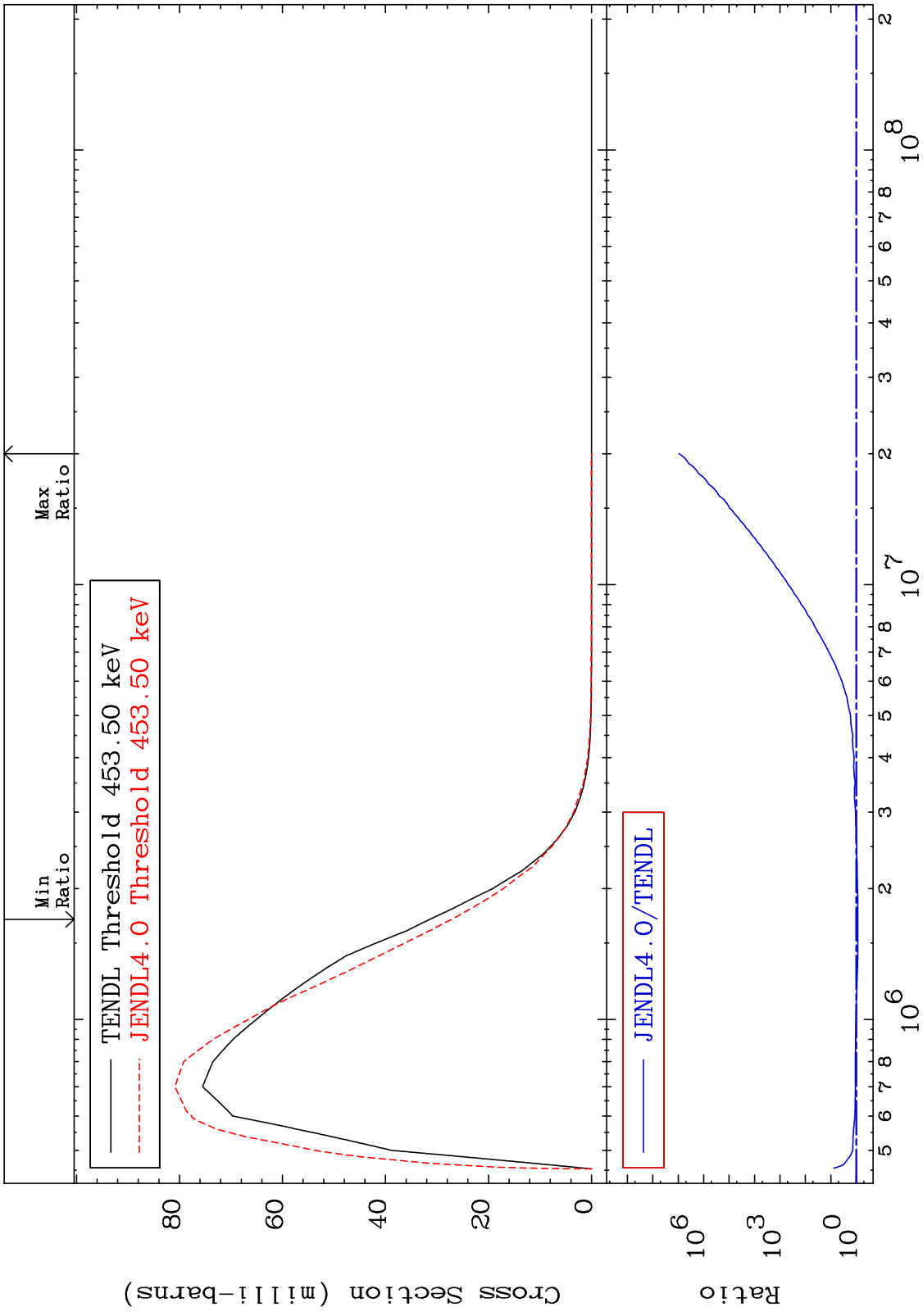
MAT 6434 MT= 72 (n,n') Level Cross Section 64-Gd-155
 -99.39 To -19.87%



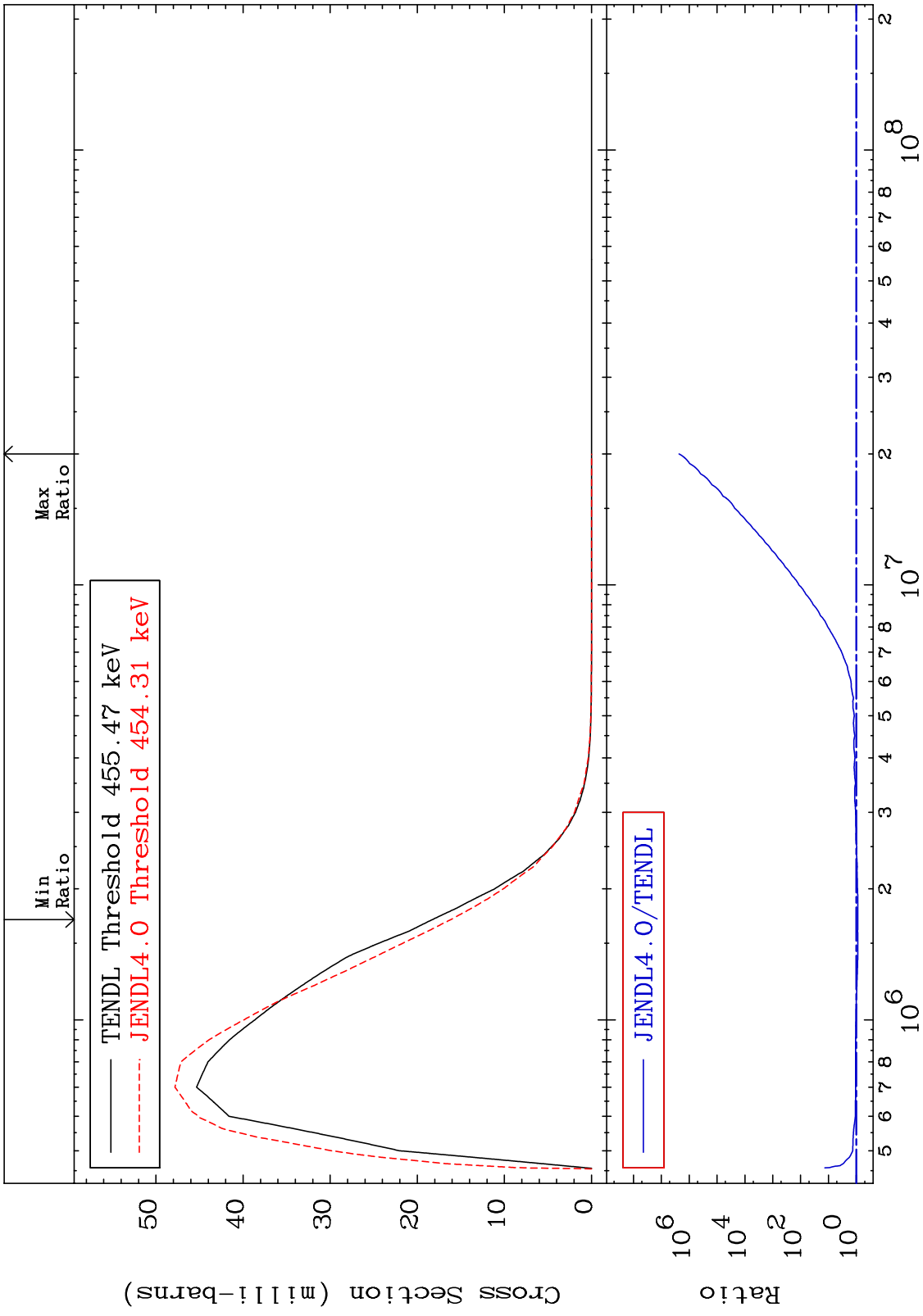
MAT 6434 MT= 73 (n,n') Level Cross Section 64-Gd-155
 -18.12 To 9999. %



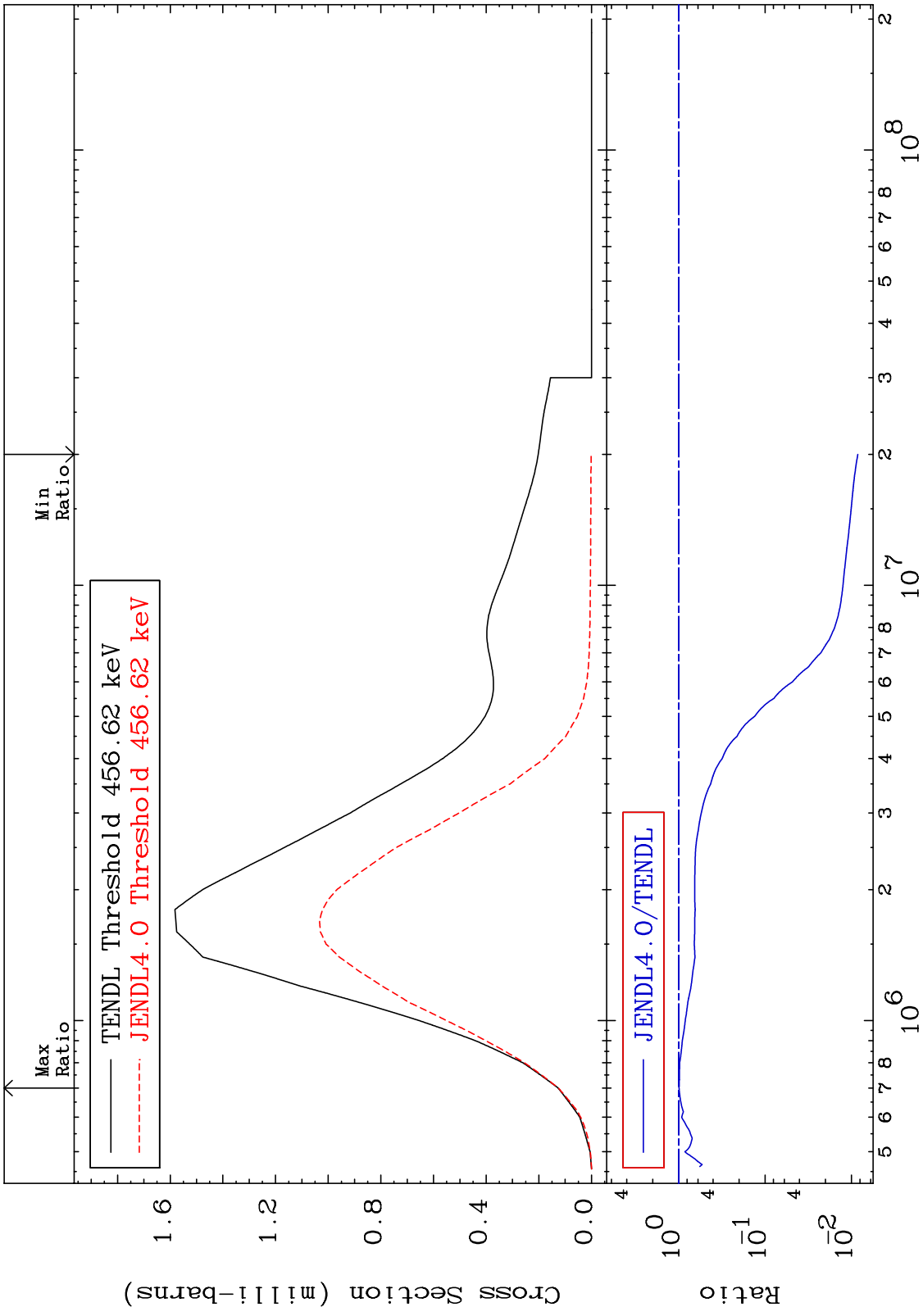
MAT 6434 MT= 74 (n,n') Level Cross Section 64-Gd-155
 -13.53 To 9999. %



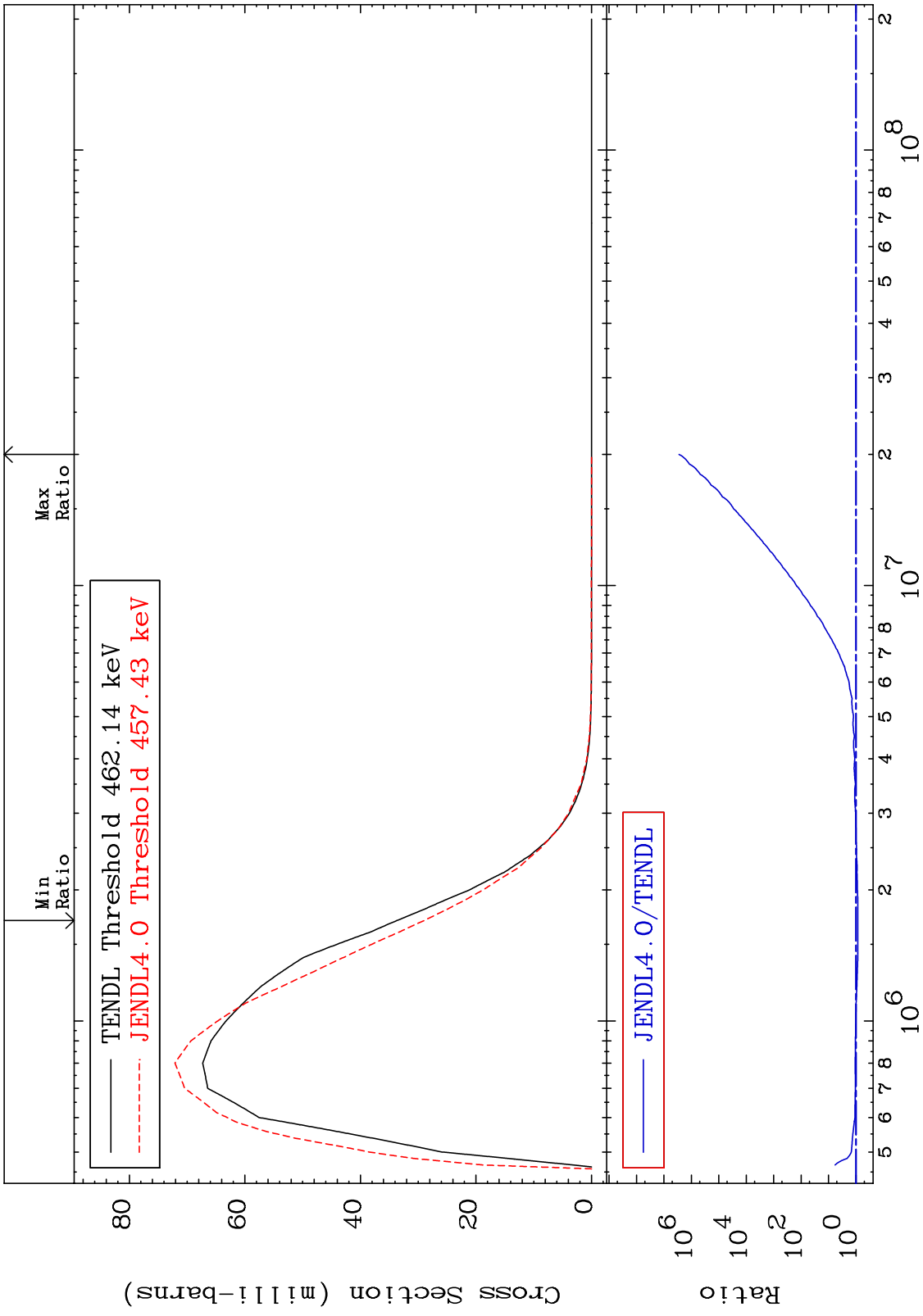
MAT 6434 MT= 75 (n,n') Level Cross Section 64-Gd-155
 -11.57 To 9999. %



MAT 6434 MT= 76 (n,n') Level Cross Section 64-Gd-155 -99.15 To -0.853%

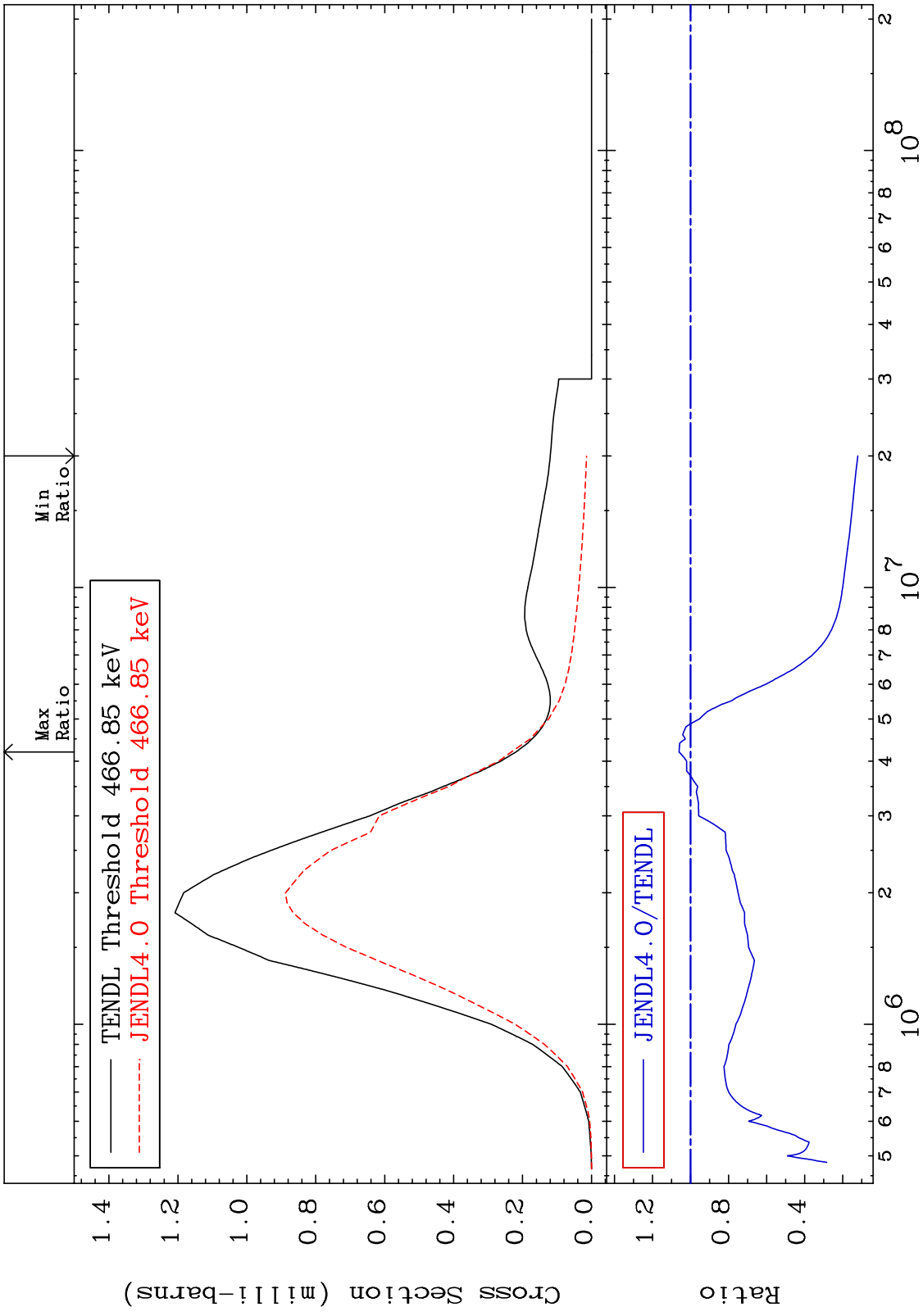


MAT 6434 MT= 77 (n,n') Level Cross Section 64-Gd-155
 -13.97 To 9999. %

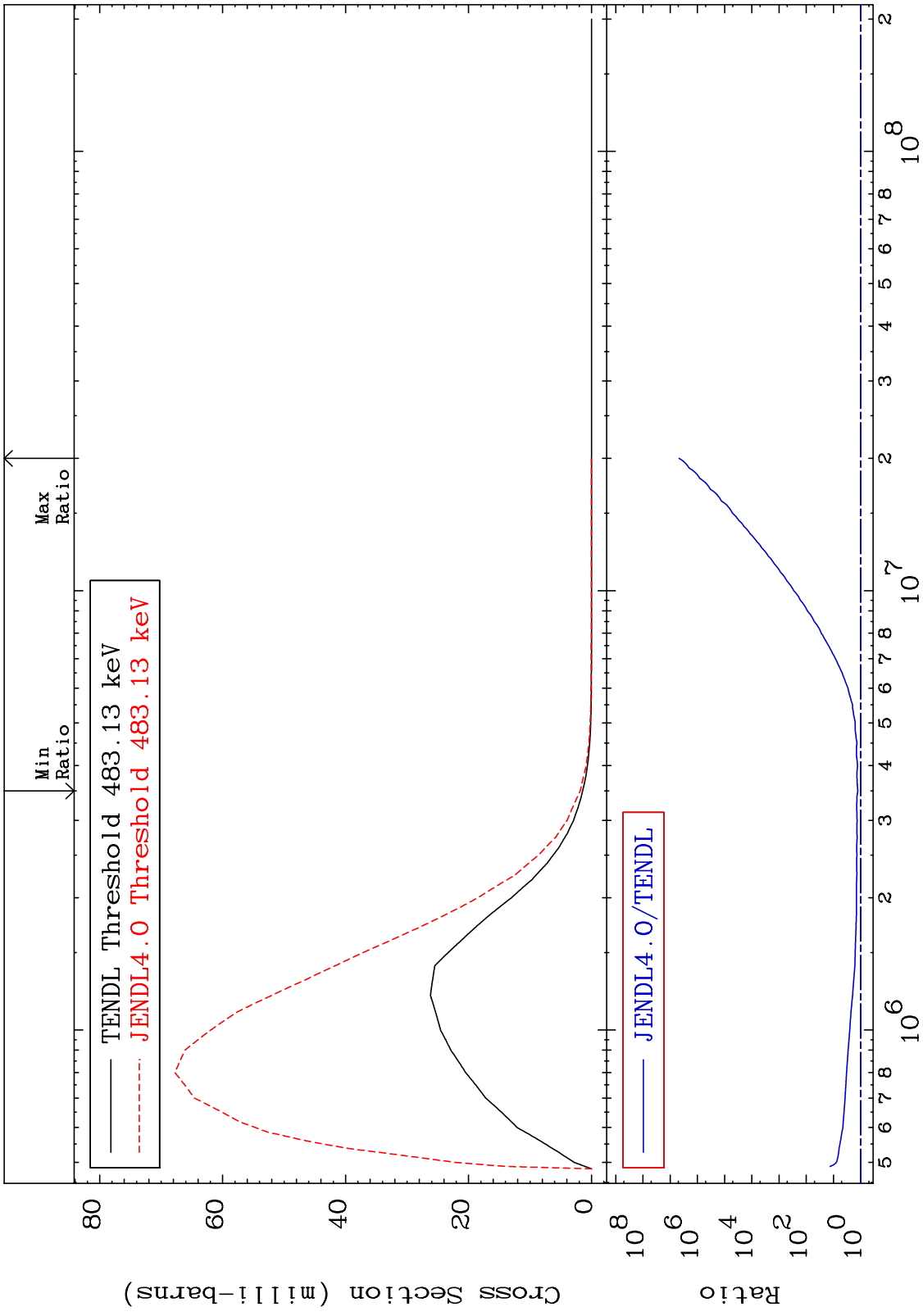


37 64-Gd-155

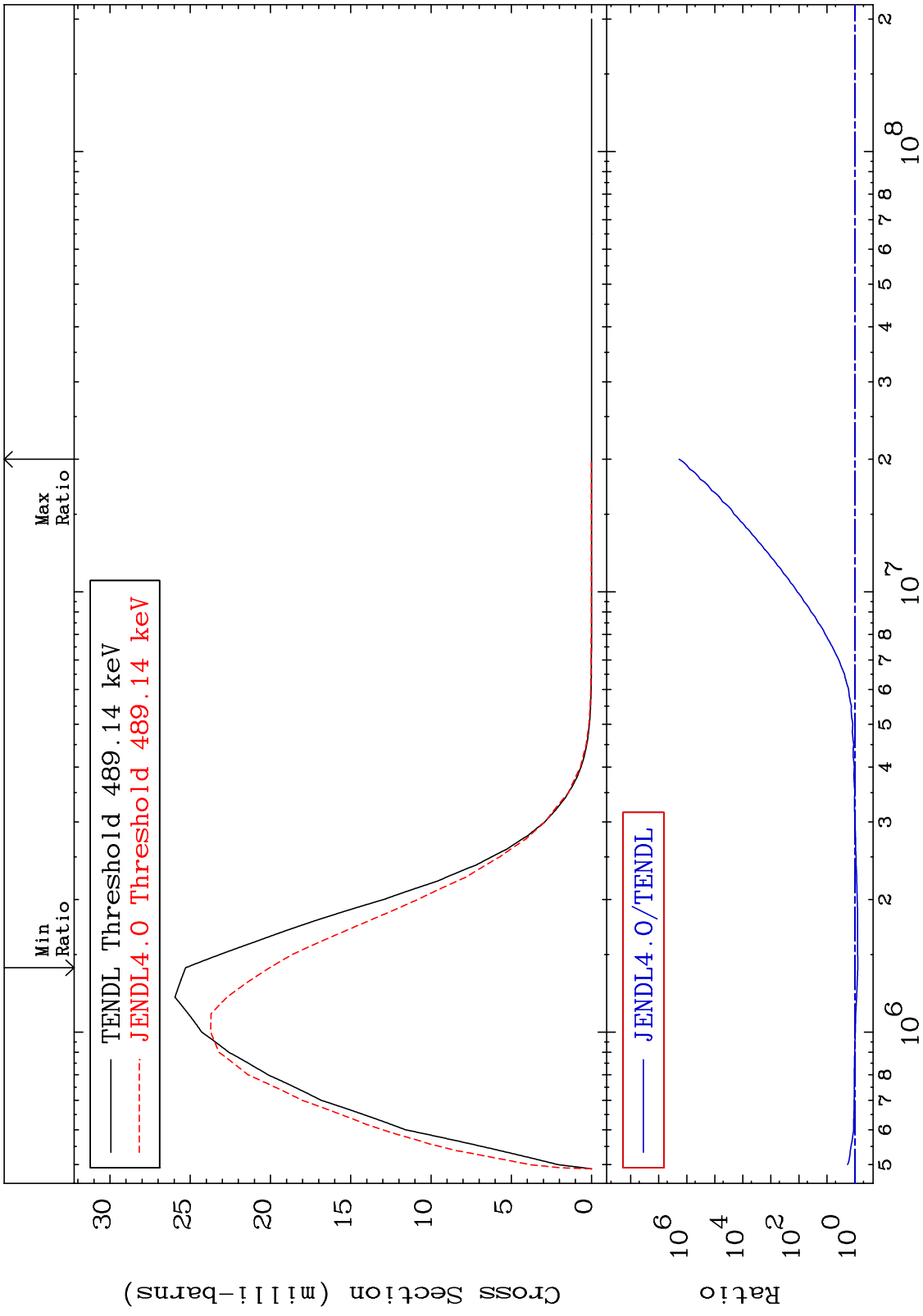
MAT 6434 MT= 78 (n,n') Level Cross Section 64-Gd-155 -87.98 To 6.079 %



MAT 6434 MT= 79 (n,n') Level Cross Section 64-Gd-155 27.31 To 9999. %



MAT 6434 MT= 80 (n,n') Level Cross Section 64-Gd-155
 -20.73 To 9999. %

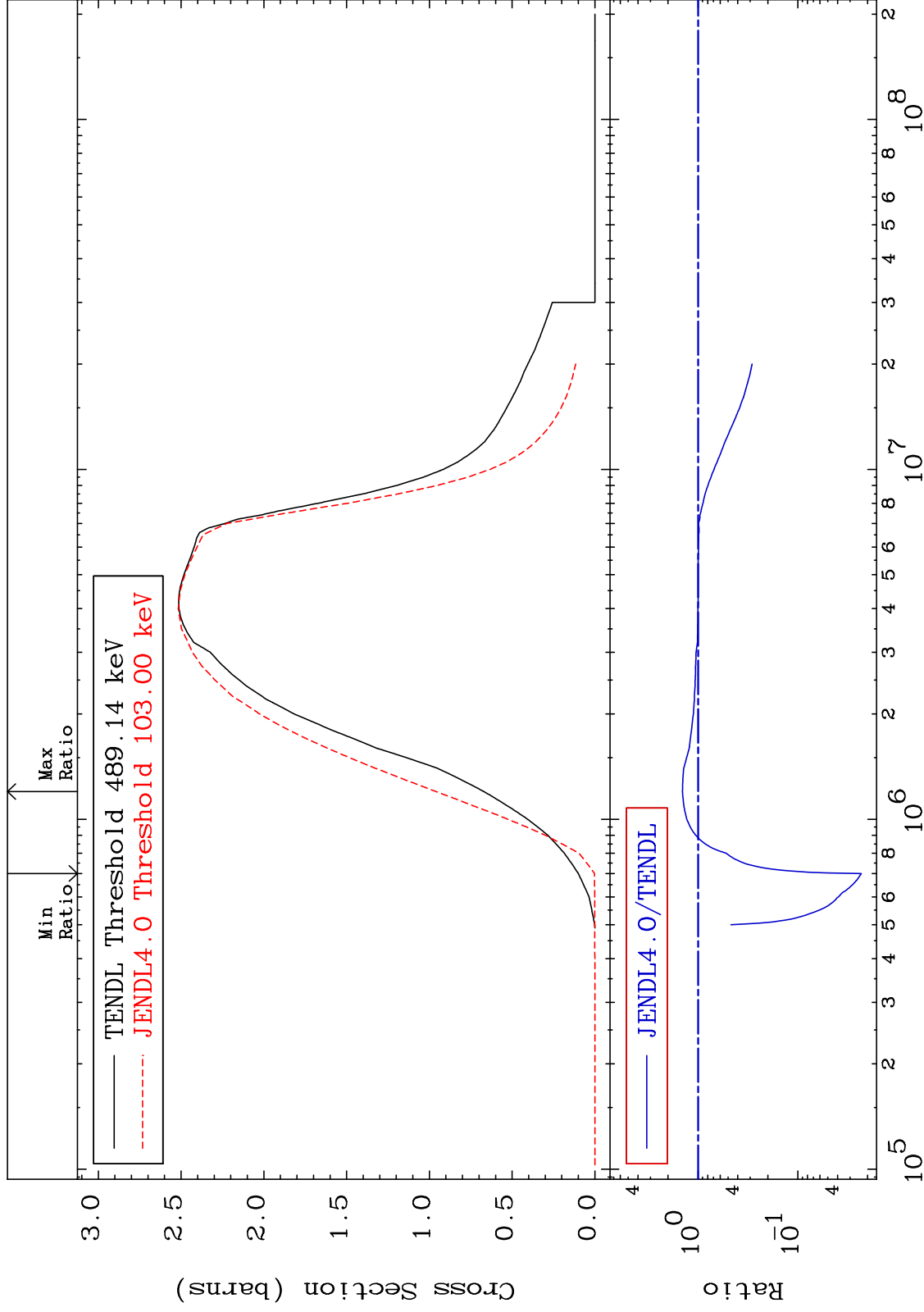


40 Incident Energy (eV) 64-Gd-155

MAT 6434

(n,n') Continuum
Cross Section

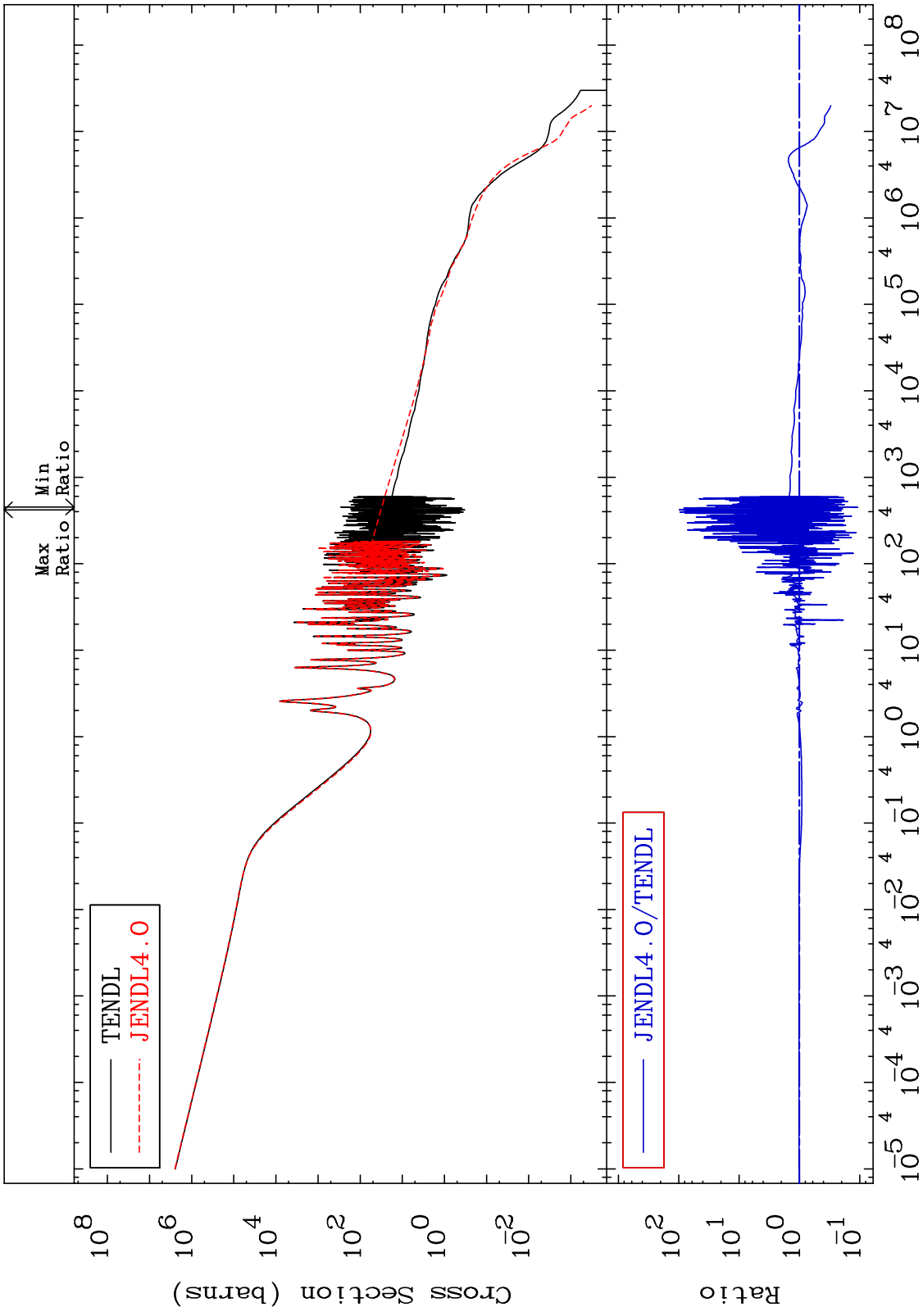
64-Gd-155
-97.69 To 43.24 %



41

64-Gd-155

MAT 6434 (n, γ) Cross Section 64-Gd-155 -89.23 To 9770. %



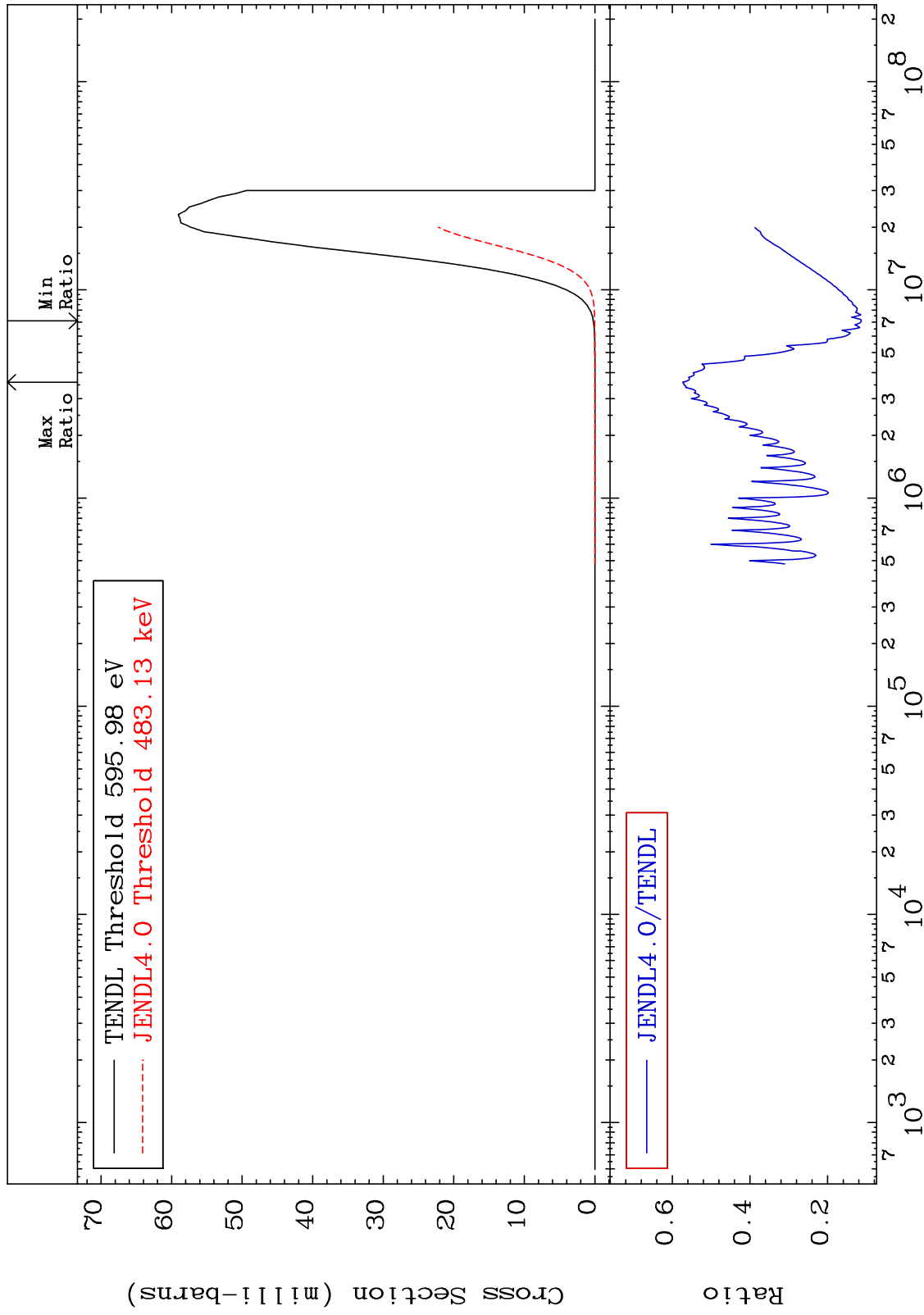
MAT 6434

(n,p)

64-Gd-155

Cross Section

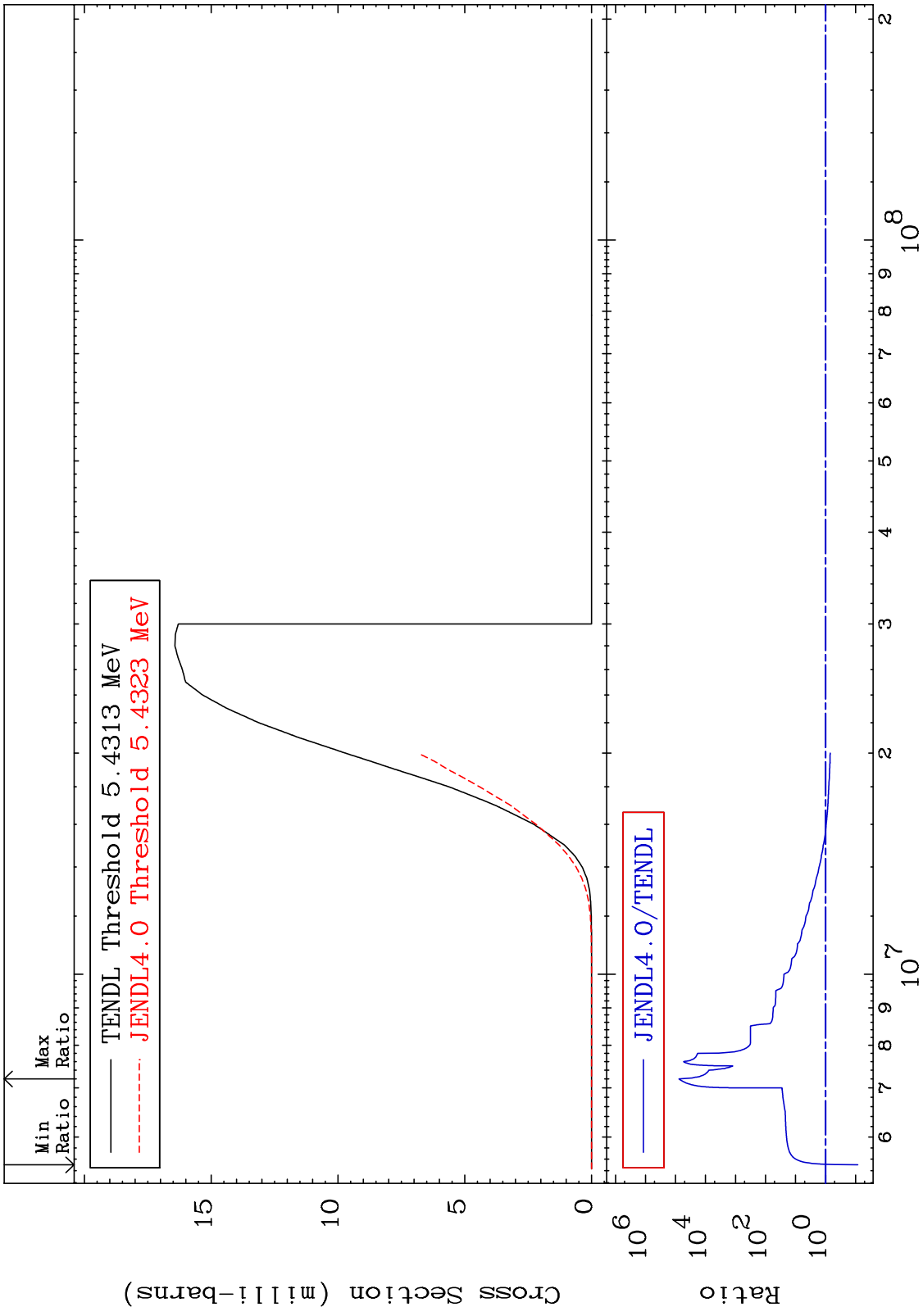
-88.65 To -42.62%



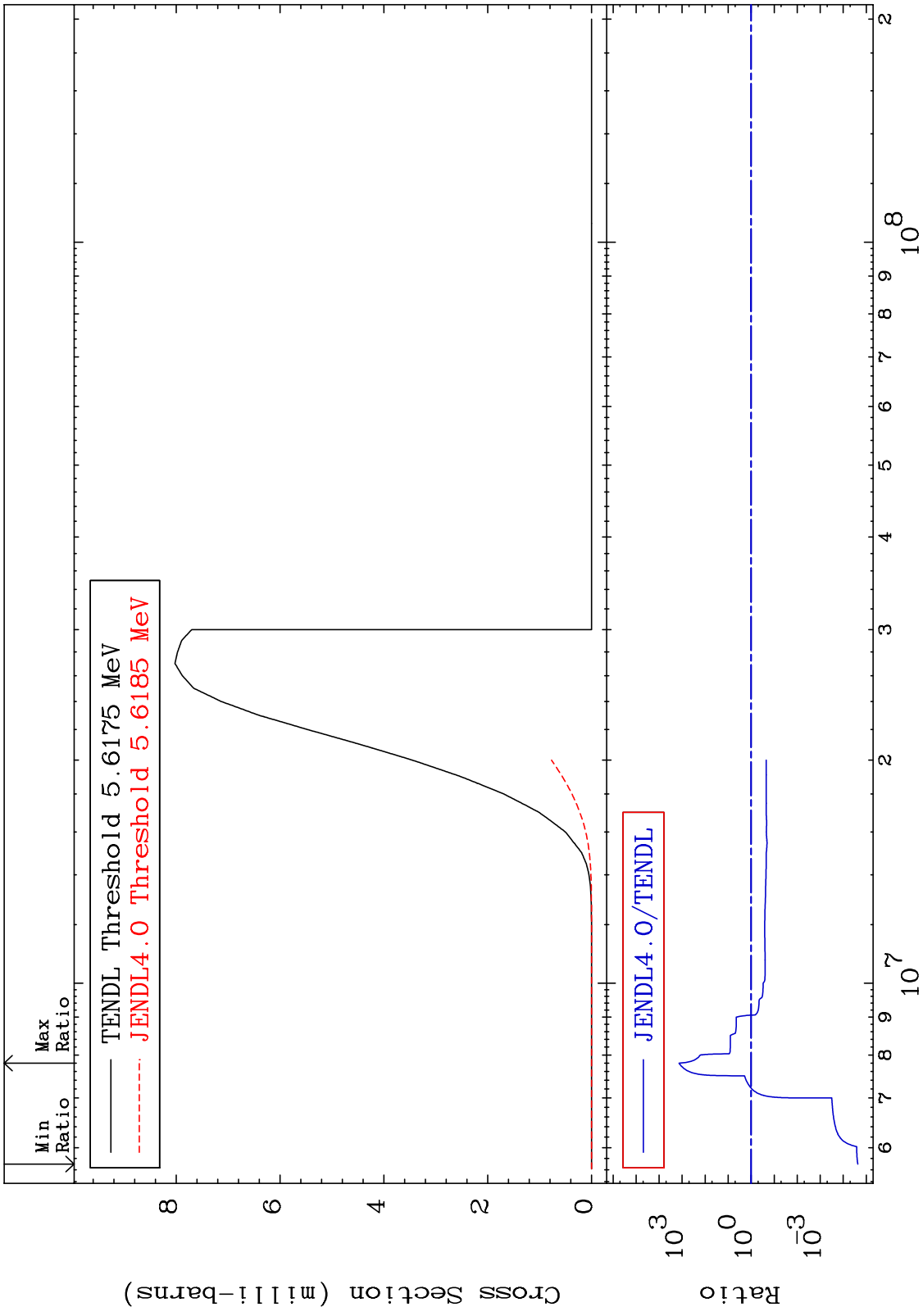
43

Incident Energy (eV)

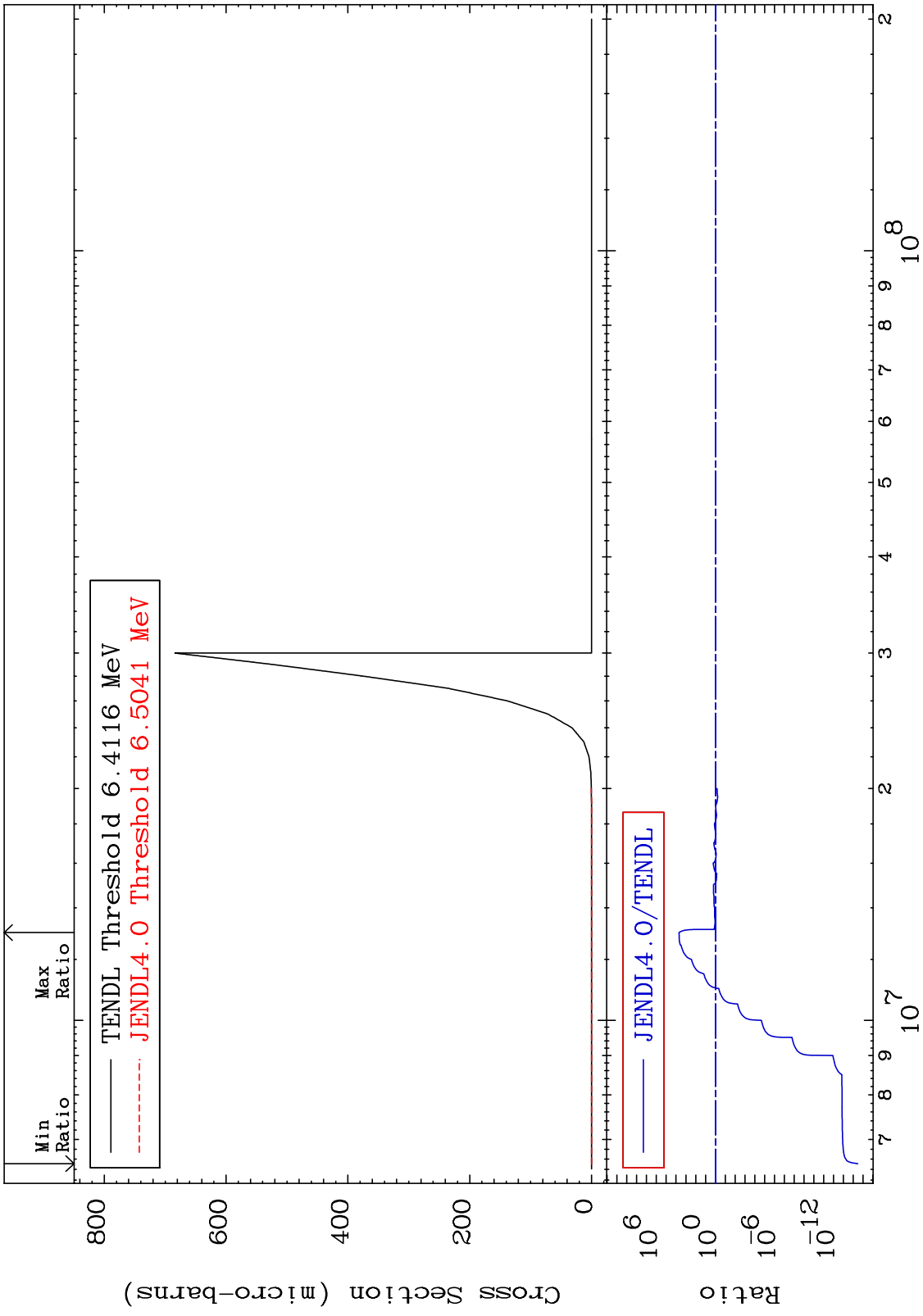
64-Gd-155



MAT 6434 (n,t) 64-Gd-155
 Cross Section -100.0 To 9999. %



MAT 6434 (n,He-3) 64-Gd-155
 Cross Section -100.0 To 9999. %



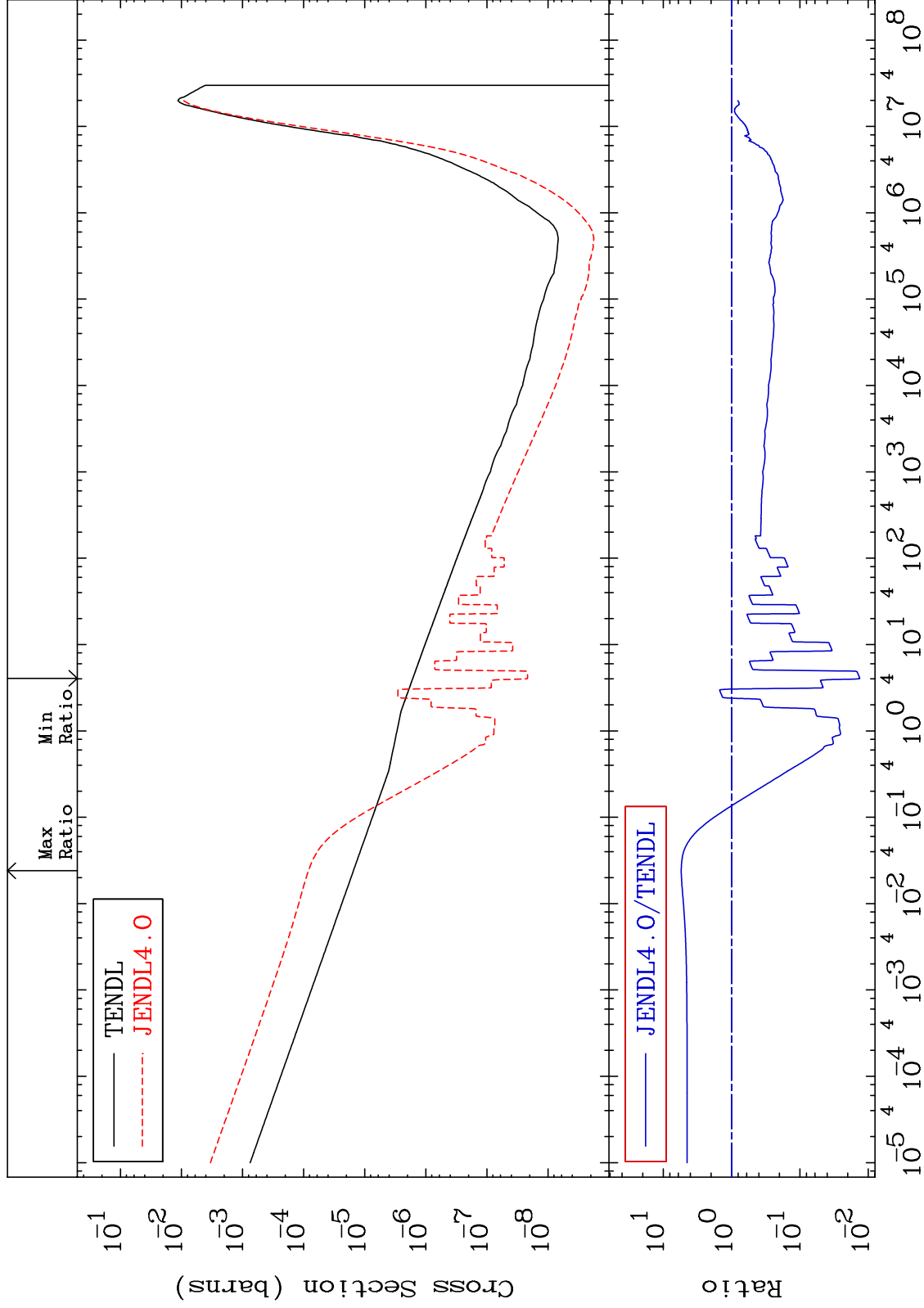
MAT 6434

(n, α)

64-Gd-155

-98.67 To 445.5 %

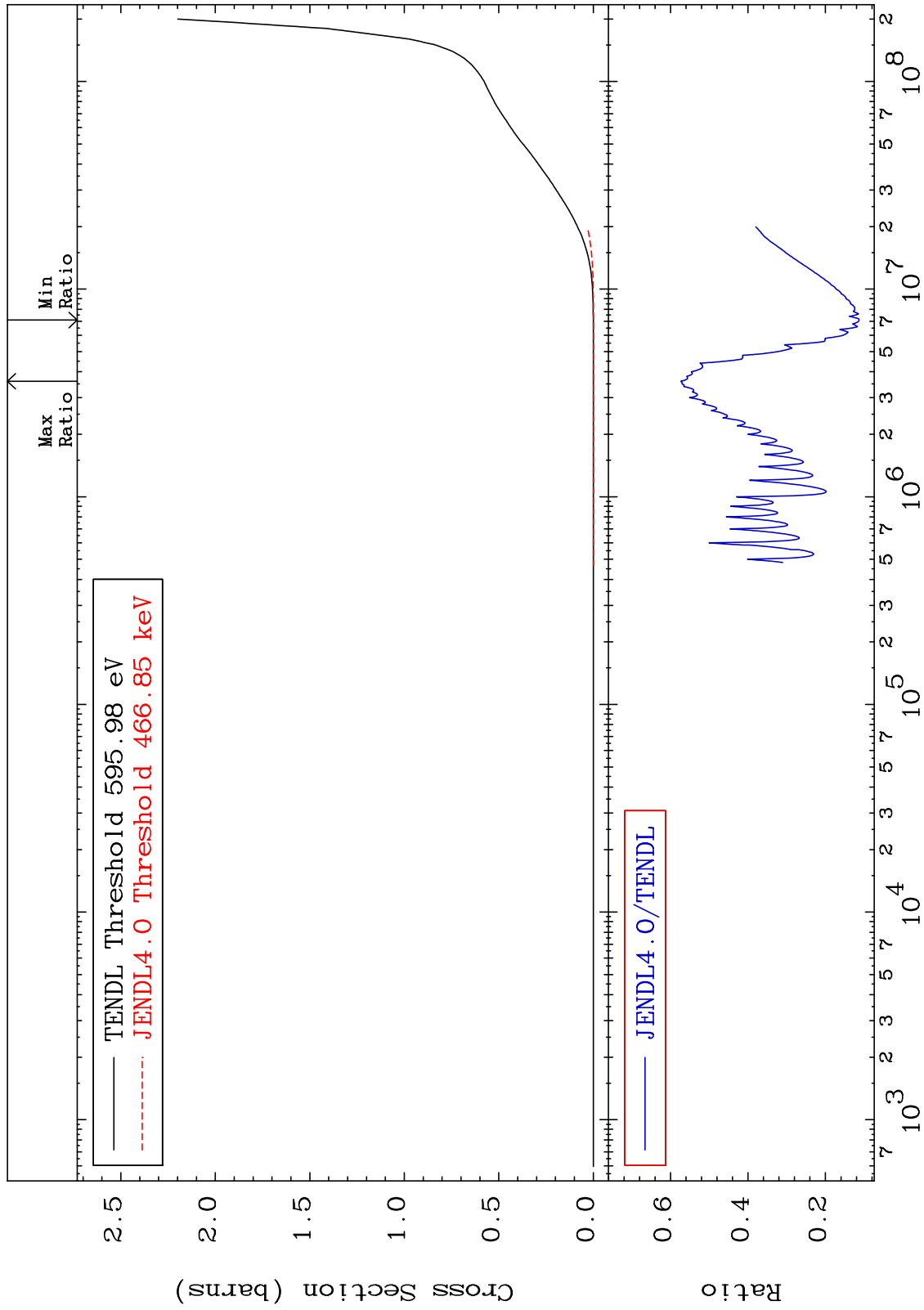
Cross Section



MAT 6434

Hydrogen Production
Cross Section

64-Gd-155
-88.65 To -42.62%



48

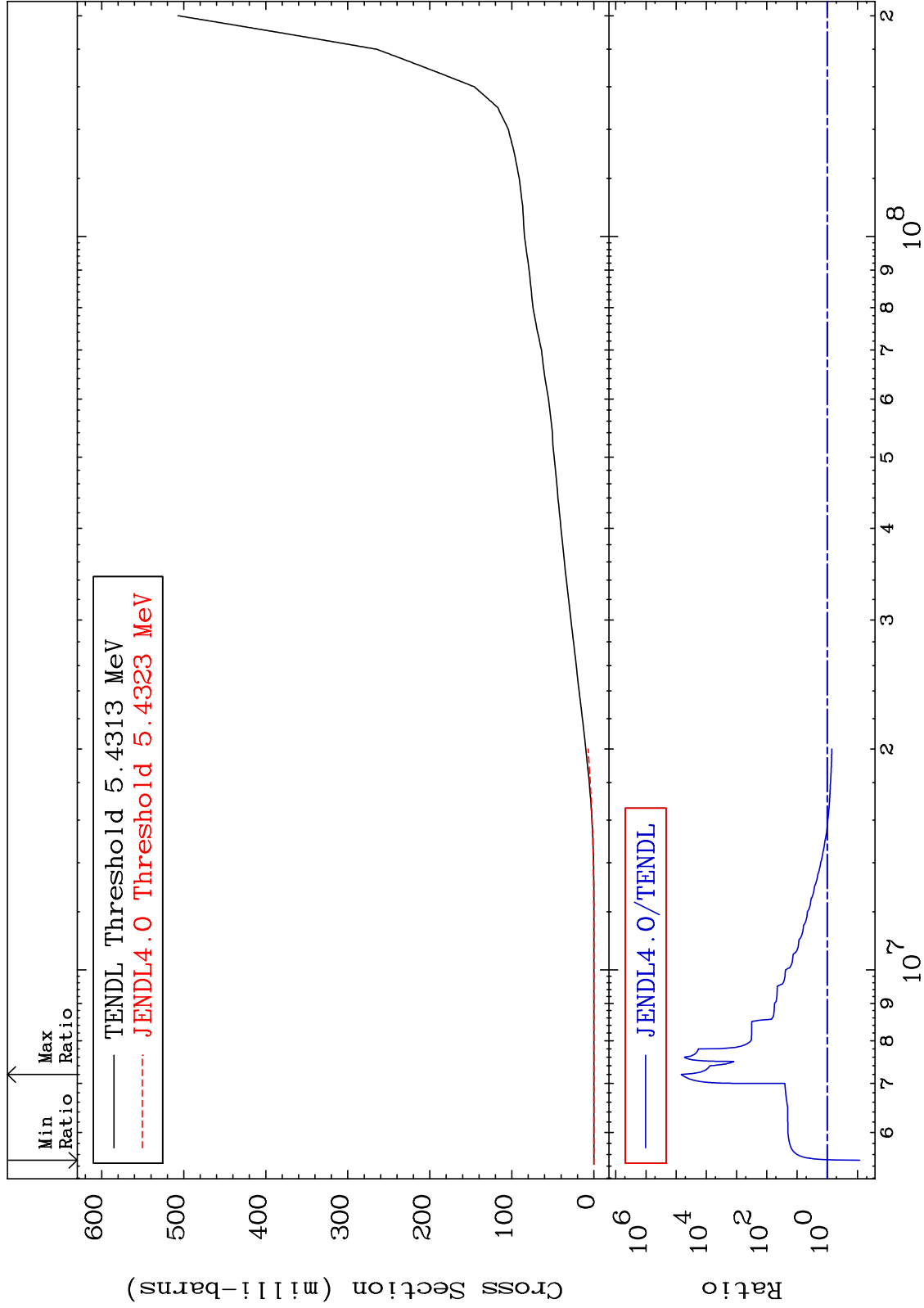
Incident Energy (eV)

64-Gd-155

MAT 6434

Deuterium Production
Cross Section

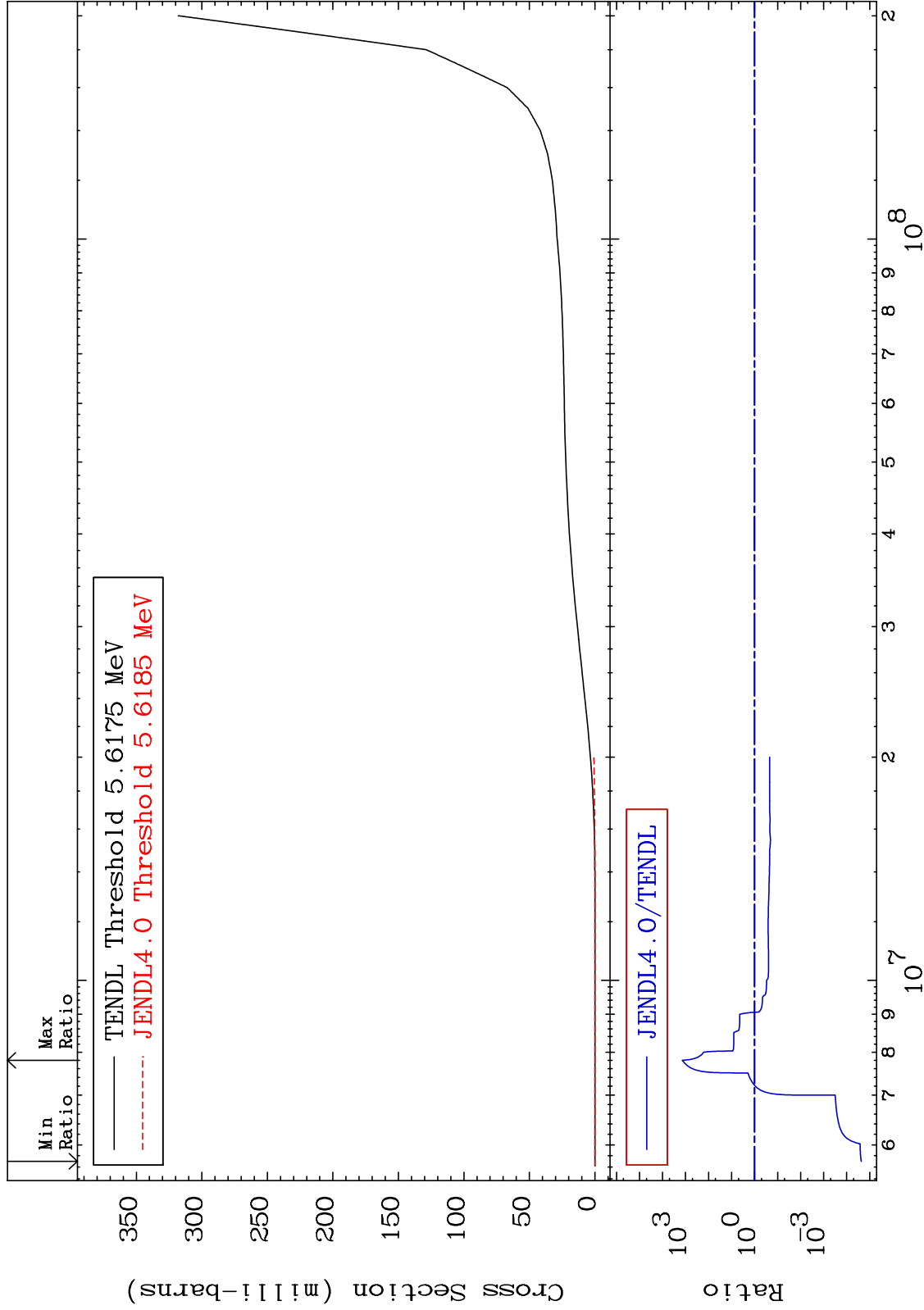
64-Gd-155
-91.57 To 9999. %



MAT 6434

Tritium Production
Cross Section

64-Gd-155
-100.0 To 9999. %



50

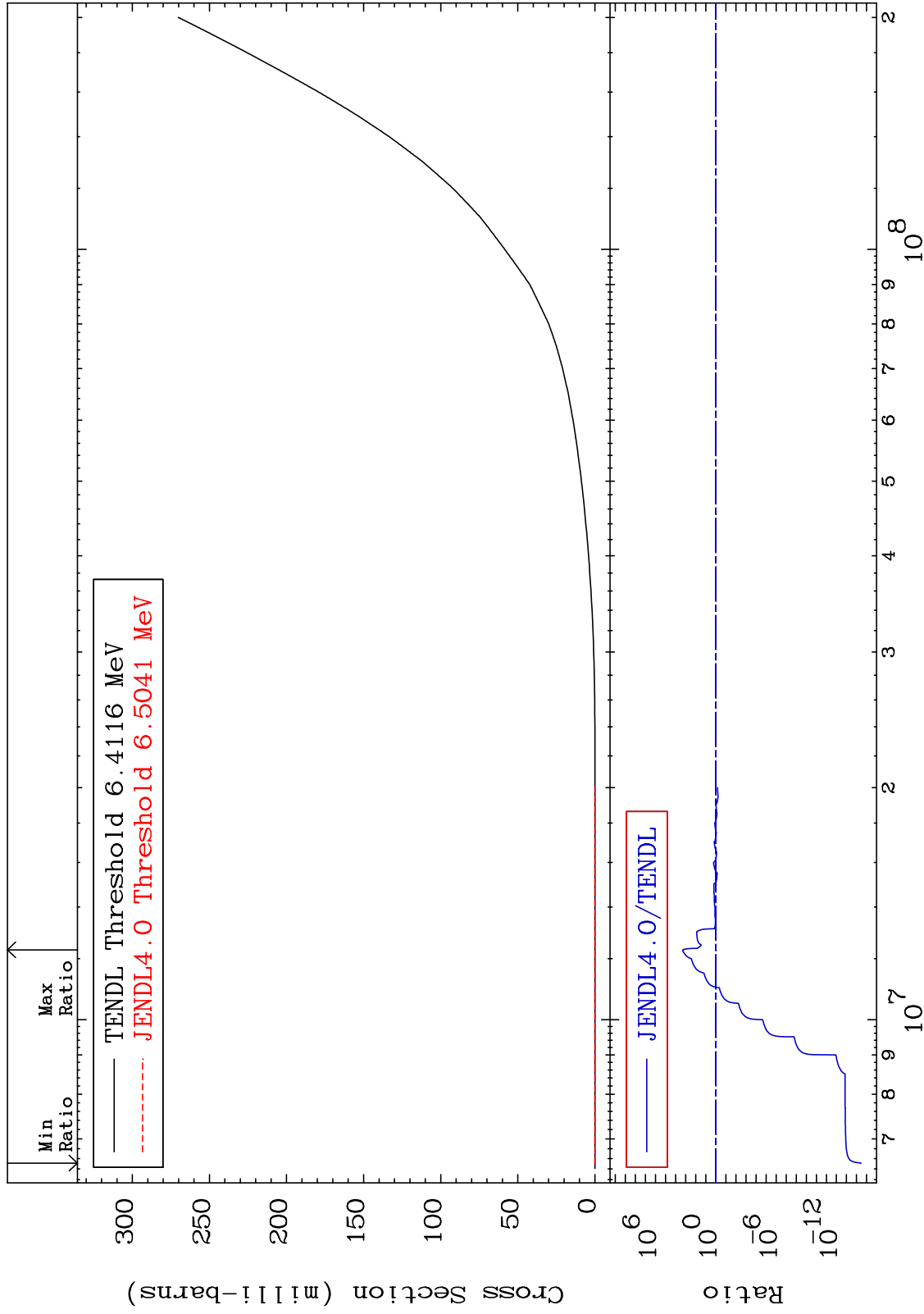
Incident Energy (eV)

64-Gd-155

MAT 6434

He-3 Production
Cross Section

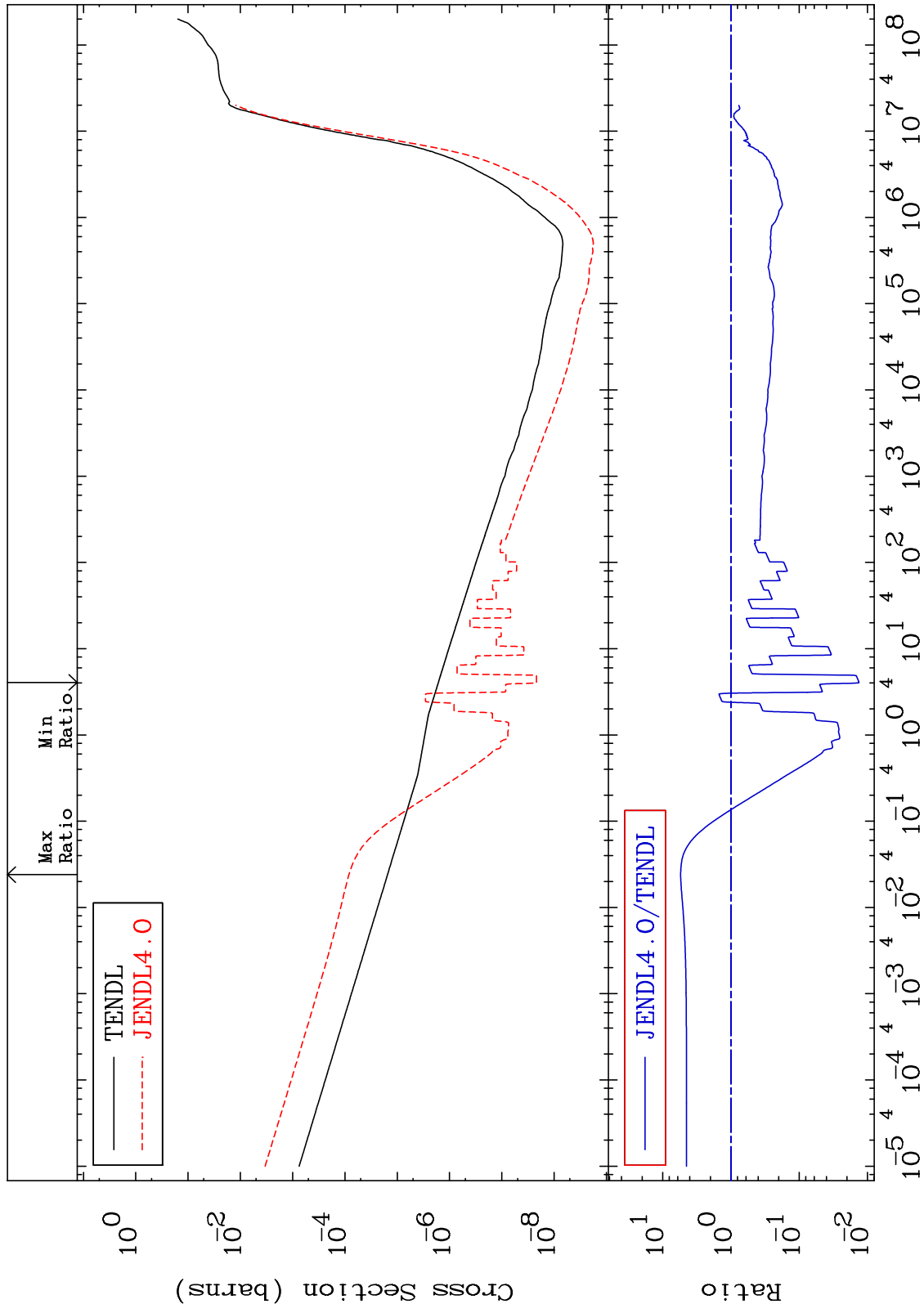
64-Gd-155
-100.0 To 9999. %



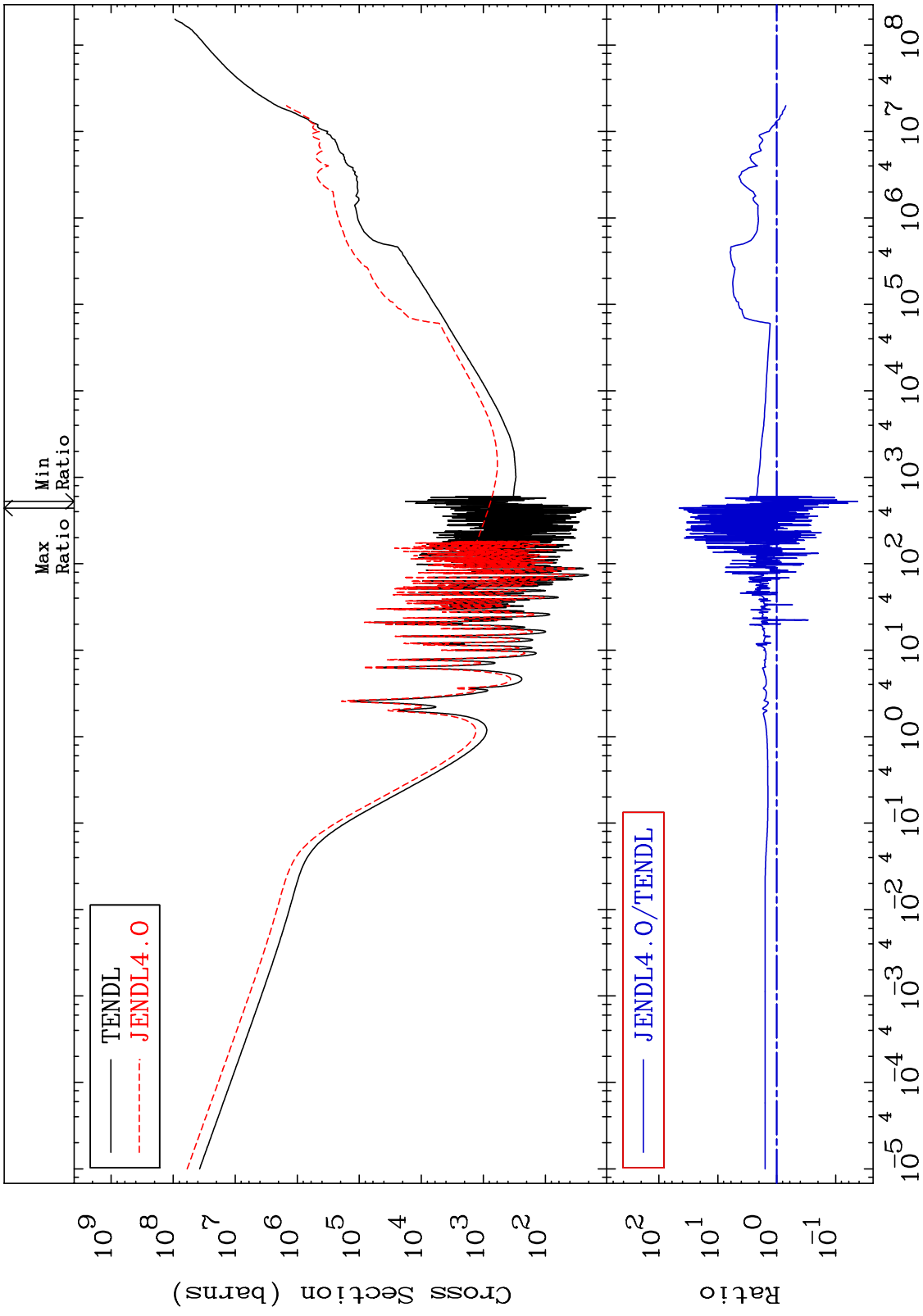
MAT 6434

He-4 Production
Cross Section

64-Gd-155
-98.67 To 445.5 %



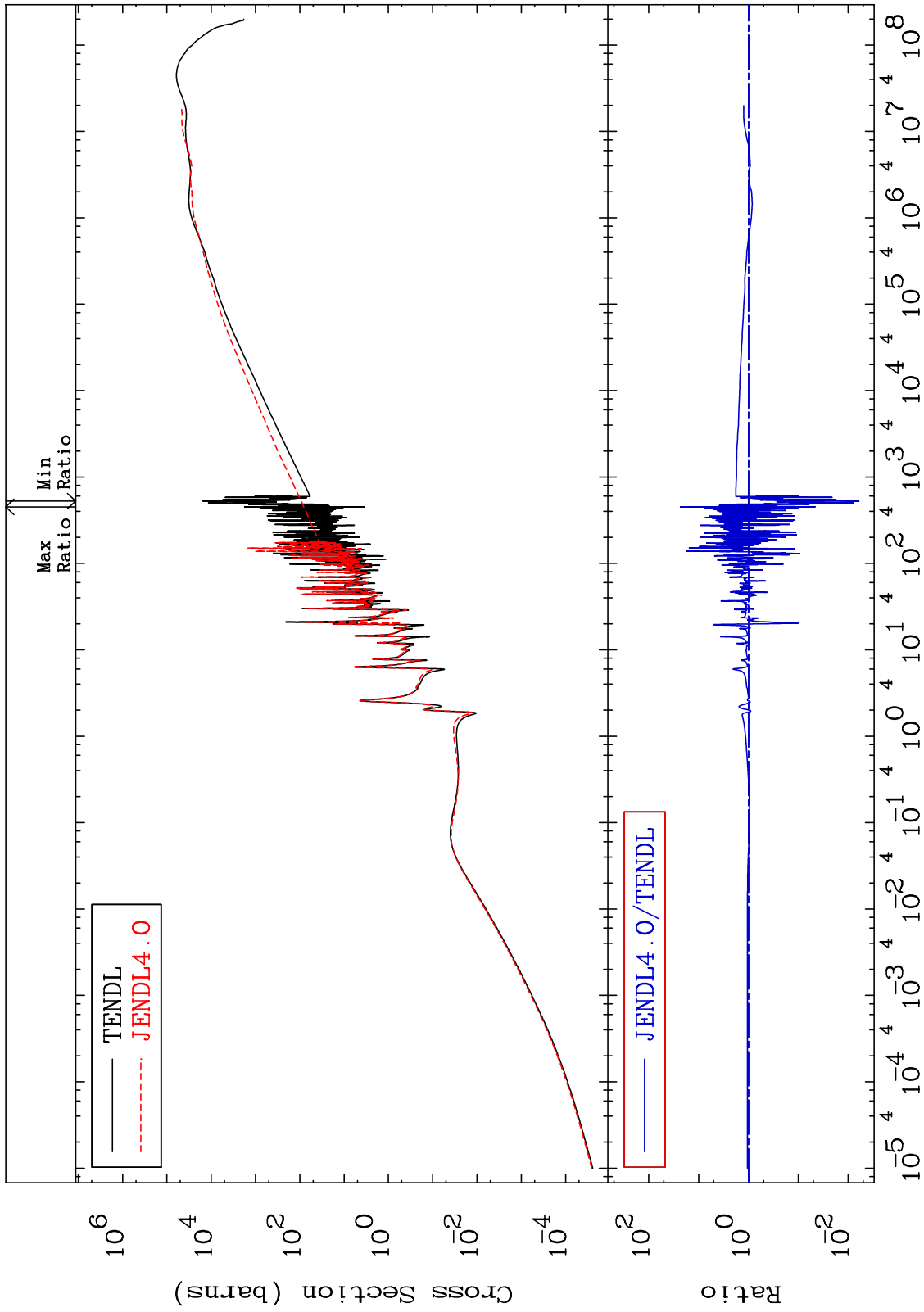
MAT 6434 Kerma total (eV-barns) 64-Gd-155
 Cross Section -95.79 To 4459. %



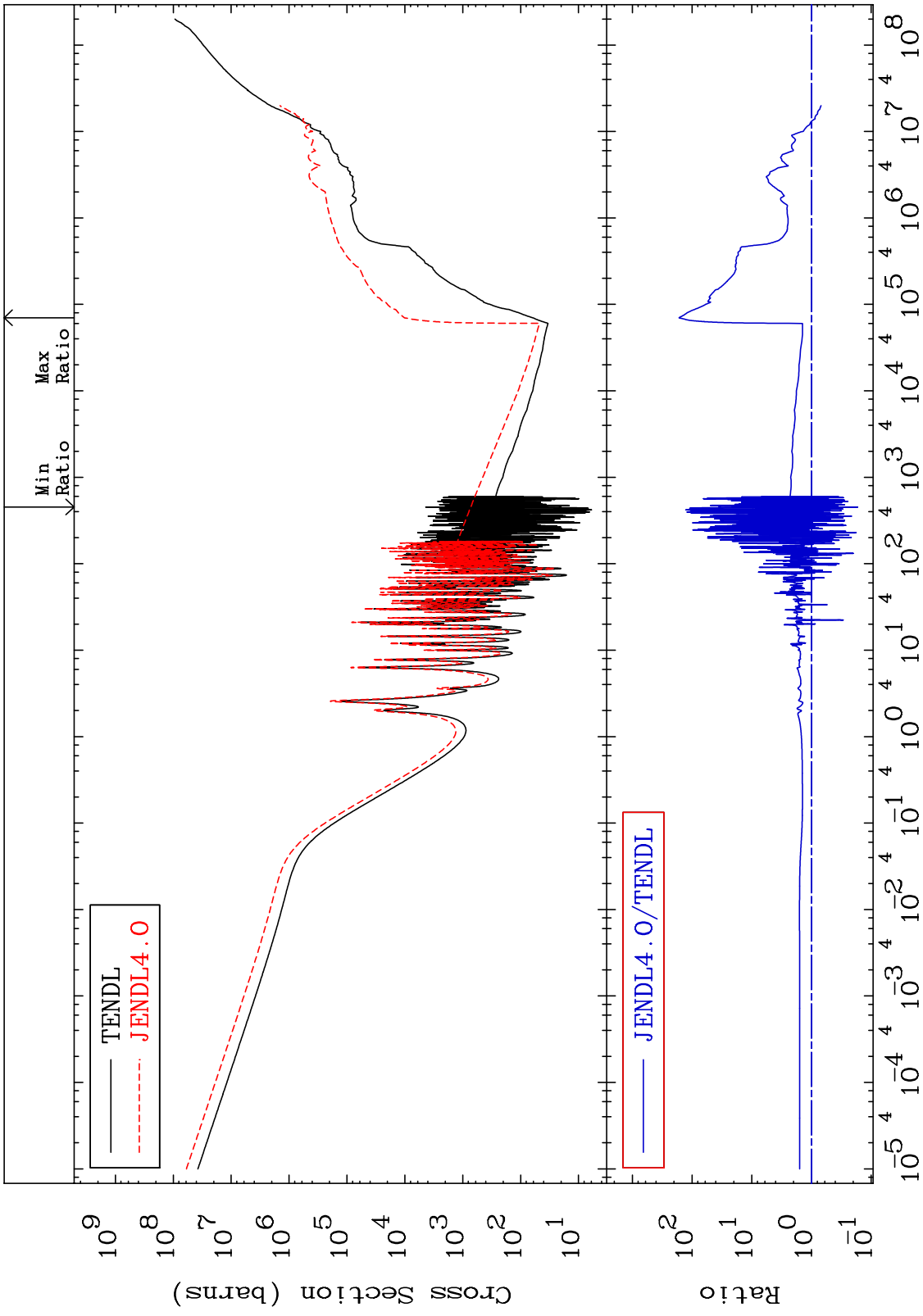
MAT 6434

Kerma elastic
Cross Section

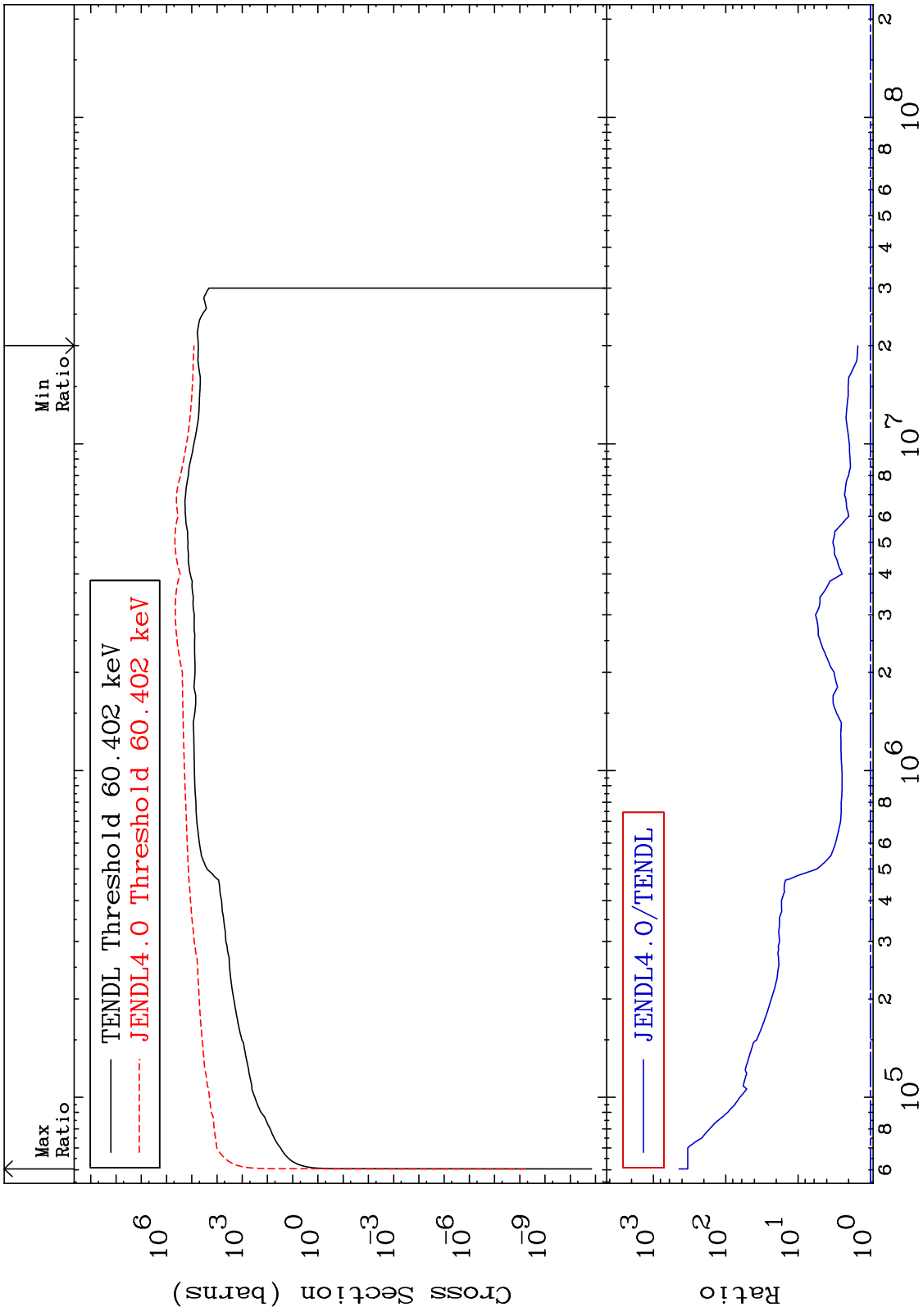
64-Gd-155
-99.39 To 2239. %



MAT 6434 Kerma non-elastic (all but mt2) 64-Gd-155
 Cross Section -83.28 To 9999. %



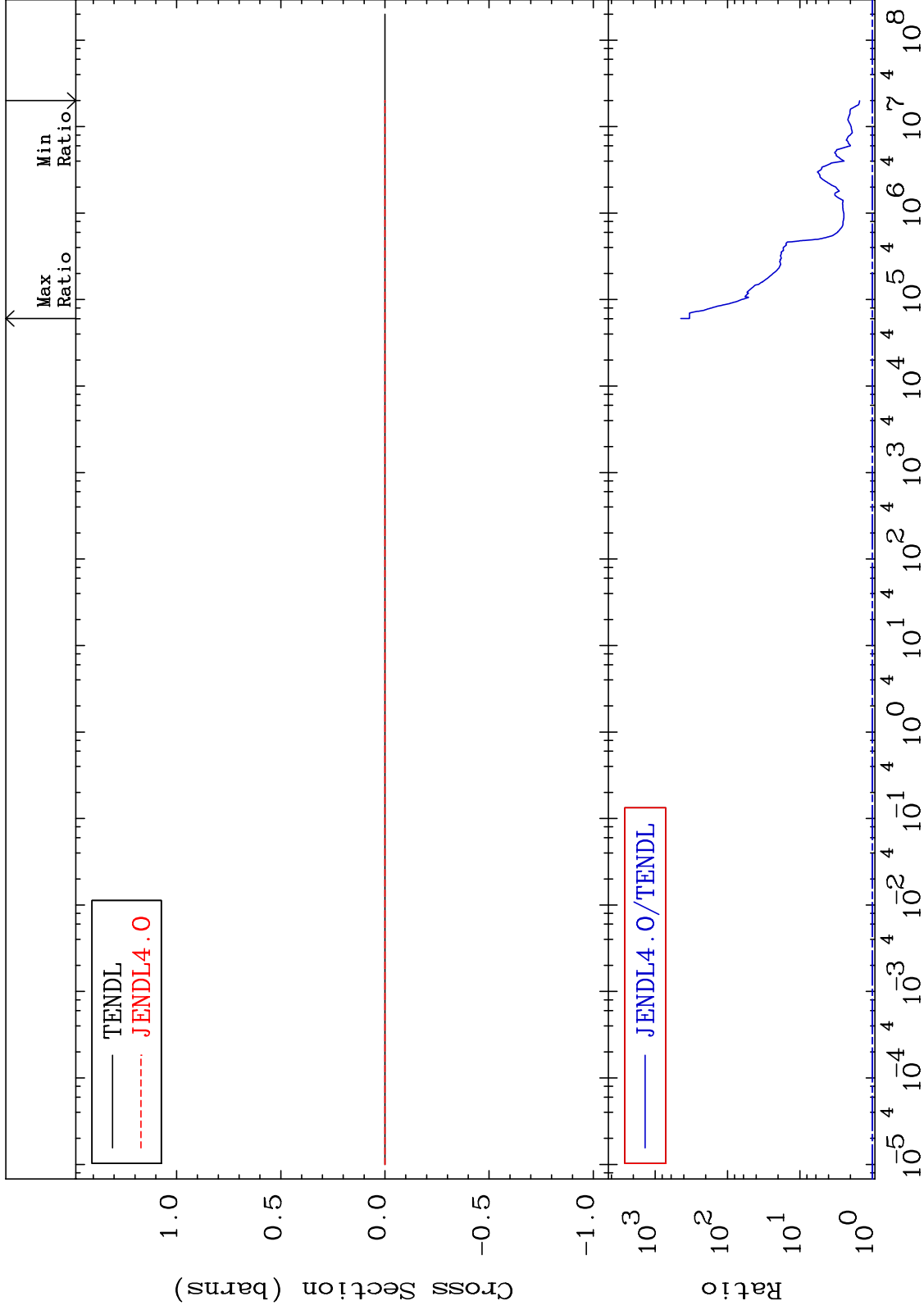
MAT 6434 Kerma inelastic (mt51-91) 64-Gd-155
 Cross Section 49.13 To 9999. %



MAT 6434

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

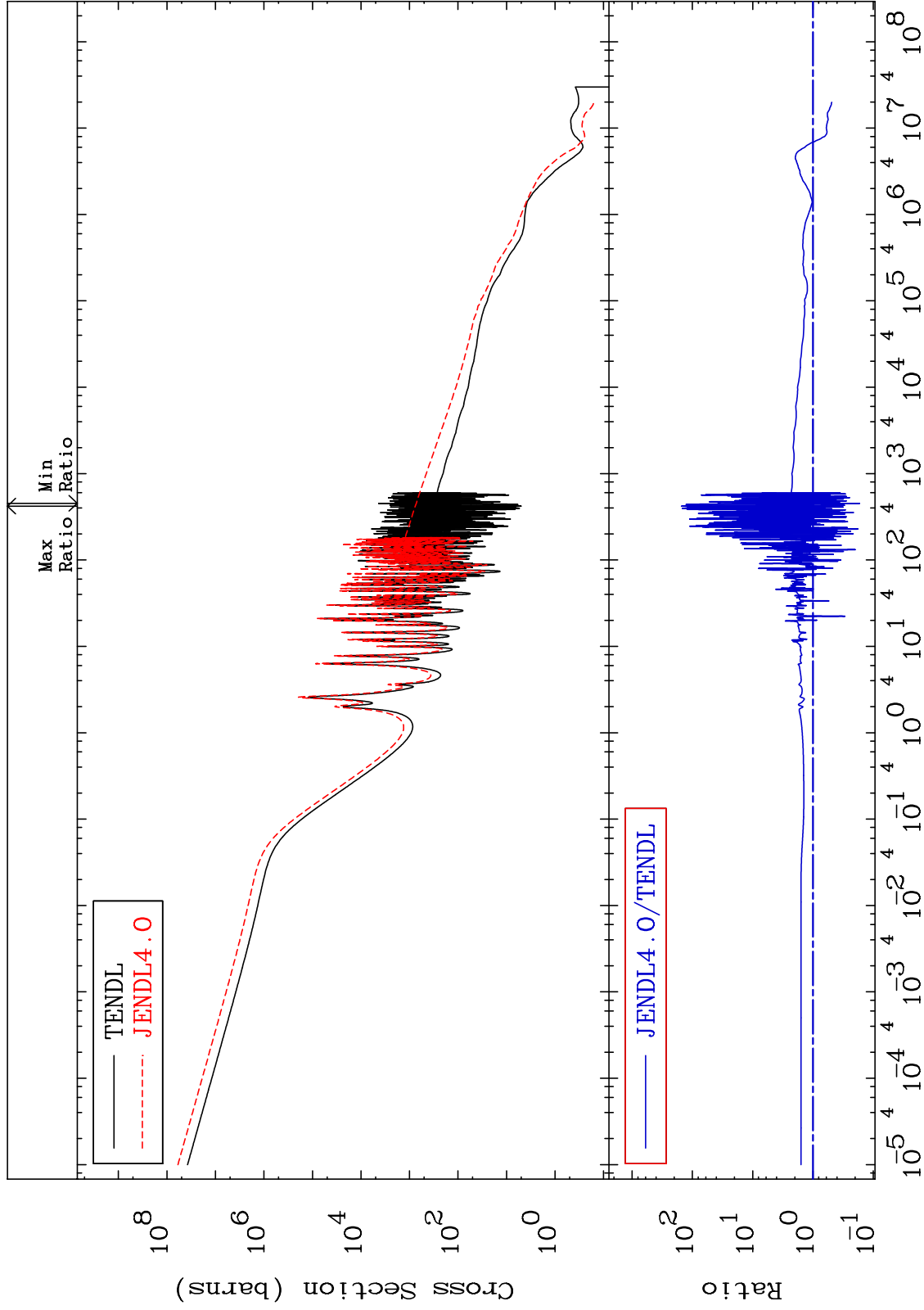
64-Gd-155
49.13 To 9999. %



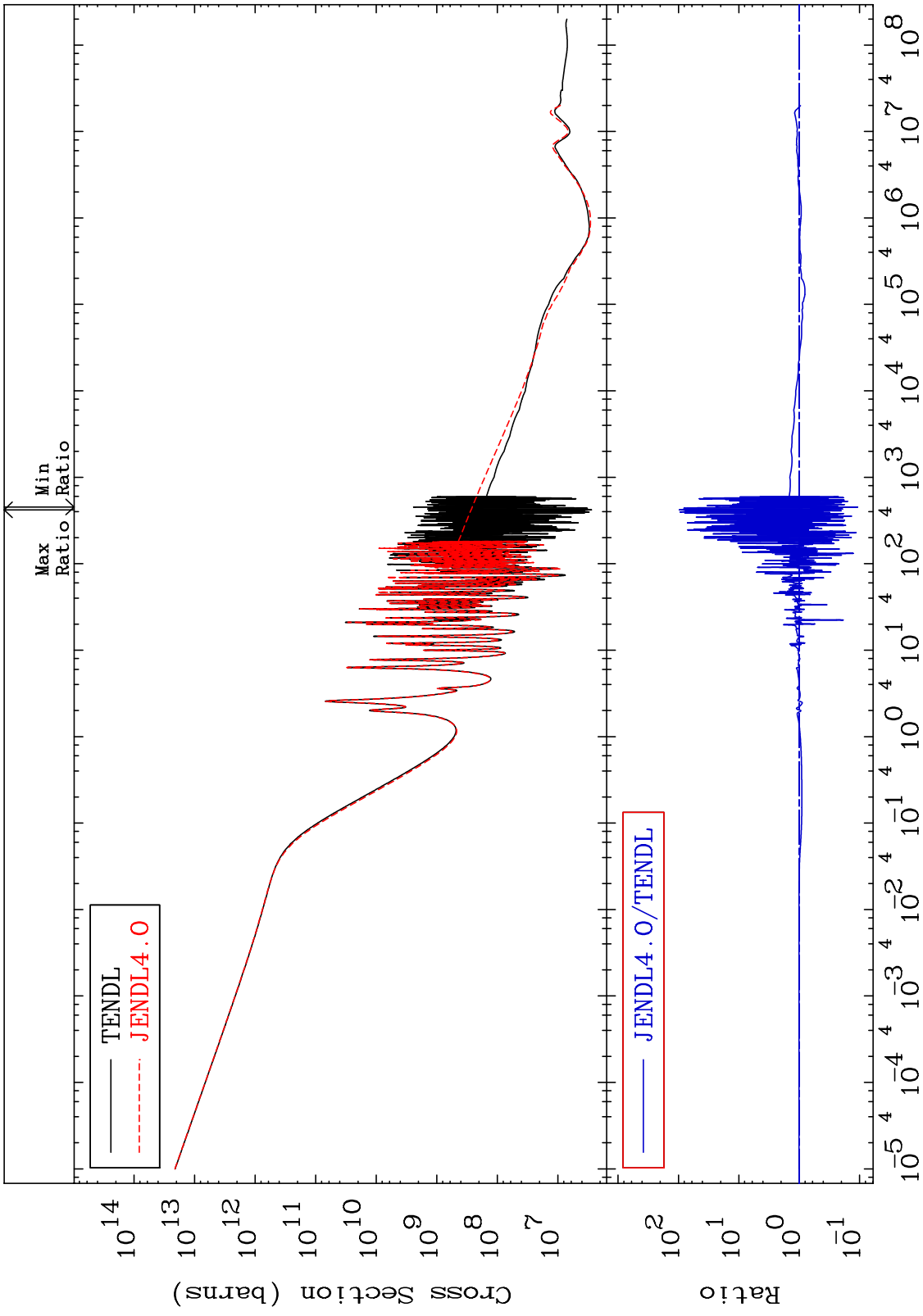
MAT 6434

Kerma capture (mt102)
Cross Section

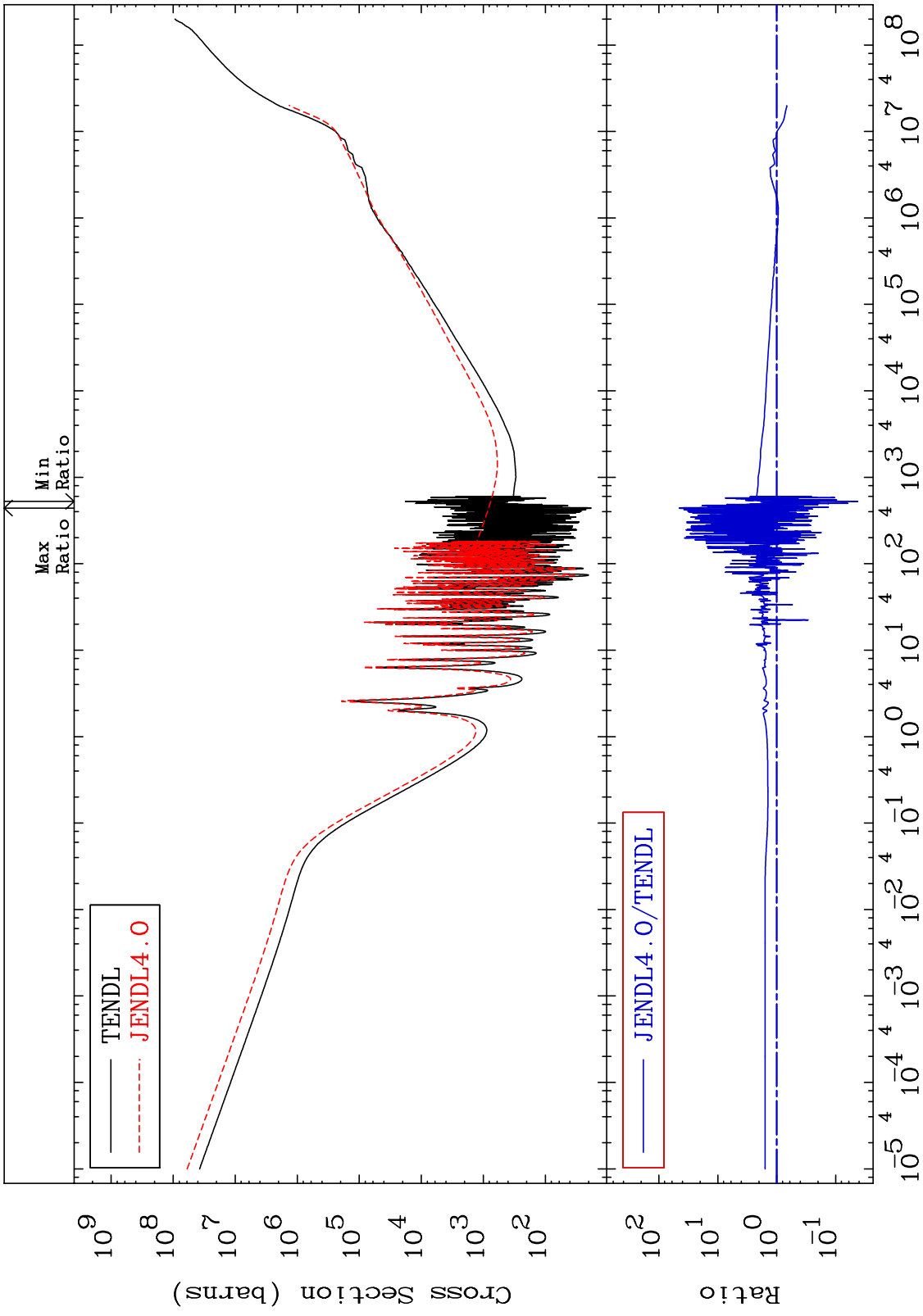
64-Gd-155
-83.28 To 9999. %



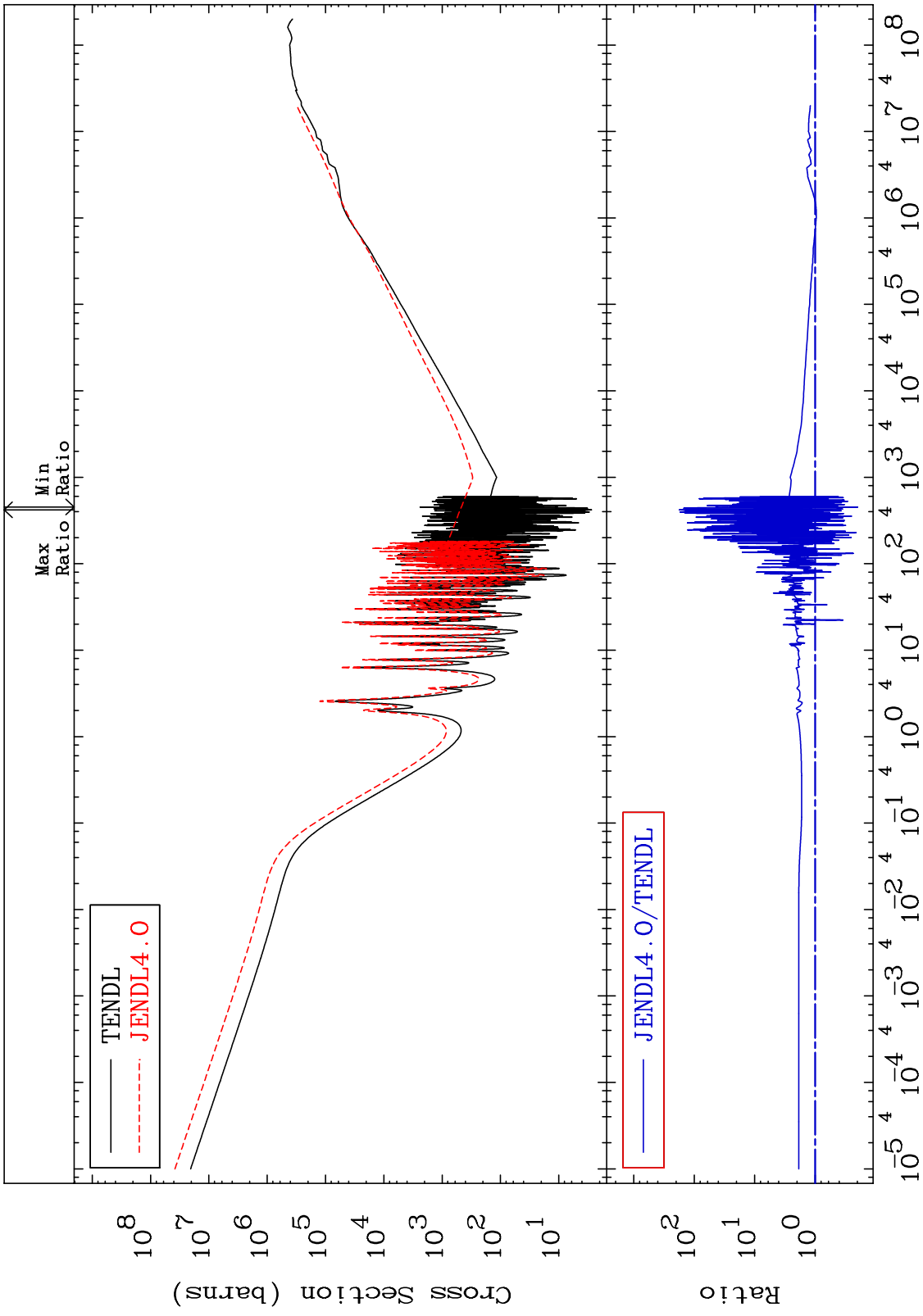
MAT 6434 Total photon (eV-barns) 64-Gd-155
 Cross Section -89.34 To 9670. %



MAT 6434 Total kinematic kerma (high limit) 64-Gd-155
 Cross Section -95.79 To 4458. %

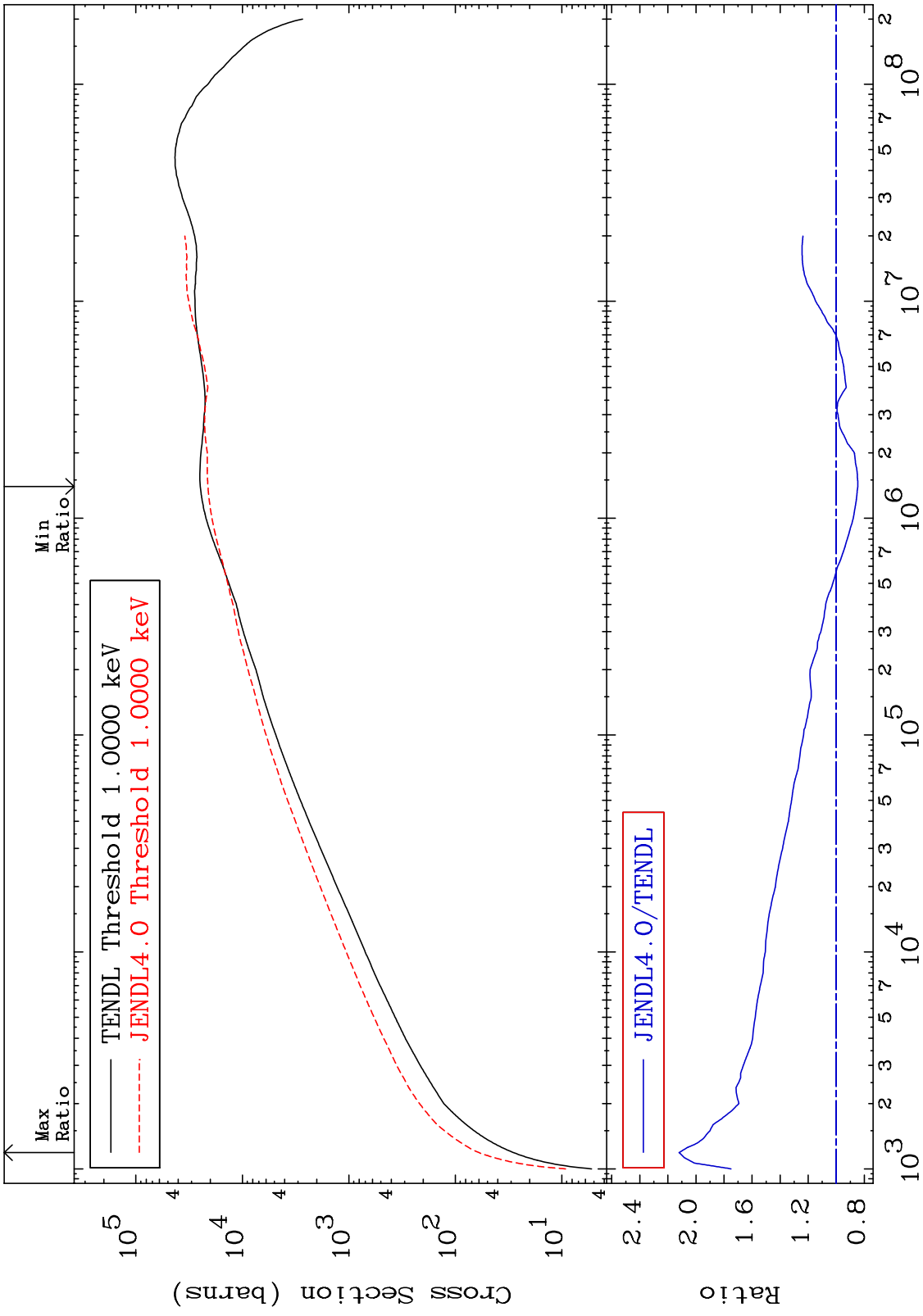


MAT 6434 Dpa total (eV-barns) 64-Gd-155
 -80.38 To 9999. %
 Cross Section

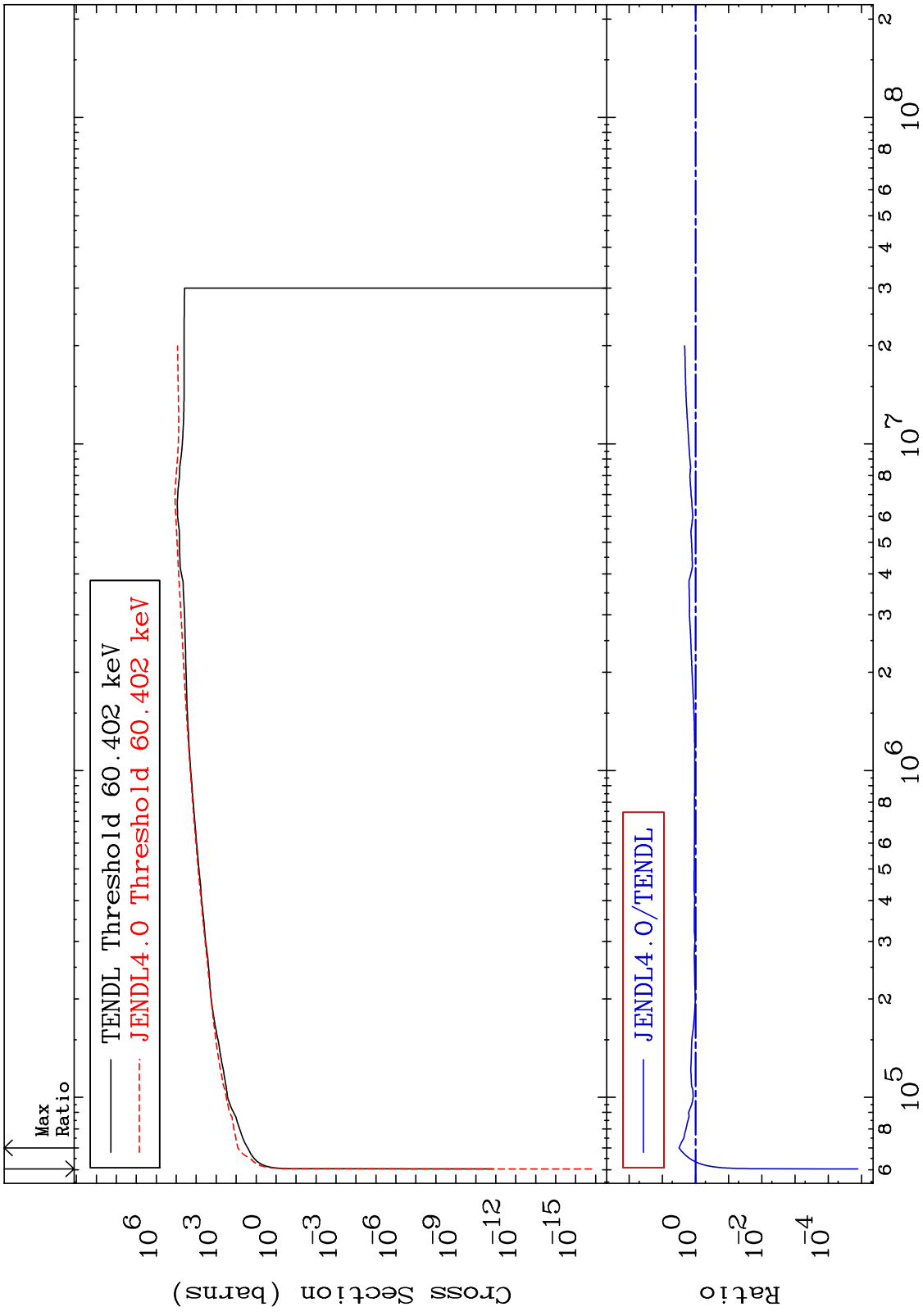


61 Incident Energy (eV) 64-Gd-155

MAT 6434 Dpa elastic (mt2) 64-Gd-155
Cross Section -15.39 To 112.0 %



MAT 6434 Dpa inelastic (mt51-91) 64-Gd-155
 Cross Section -100.0 To 213.2 %



MAT 6434 Dpa disappearance (mt102 -120) 64-Gd-155
Cross Section -80.38 To 9999. %

