

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

MAT 6334

63-Eu-154

-96.95 To 2546. %

Total
Cross Section

Max Ratio
Min Ratio

— TENDL
- - - JENDL4.0

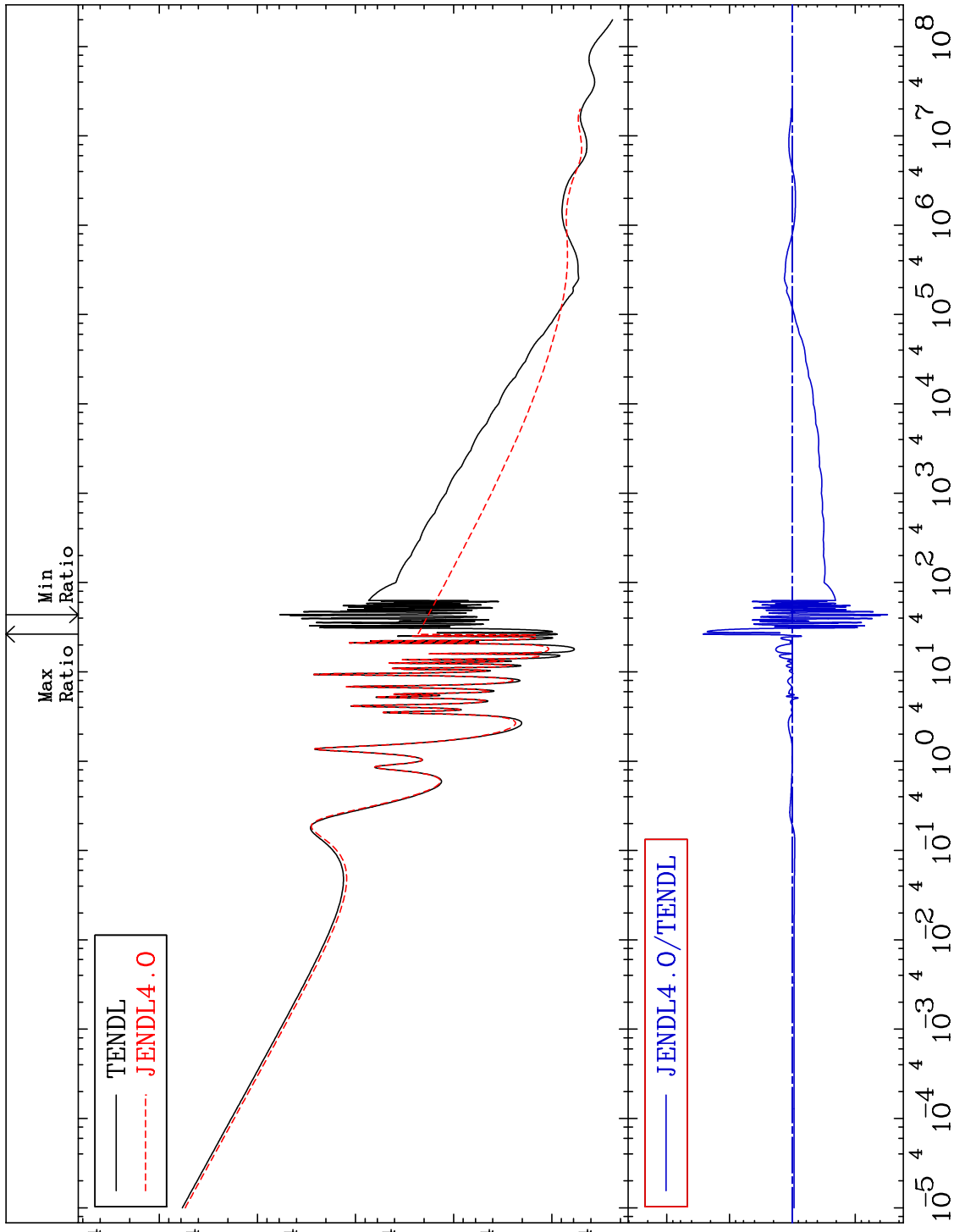
Cross Section (barns)

— JENDL4.0/TENDL

Ratio

Incident Energy (eV)

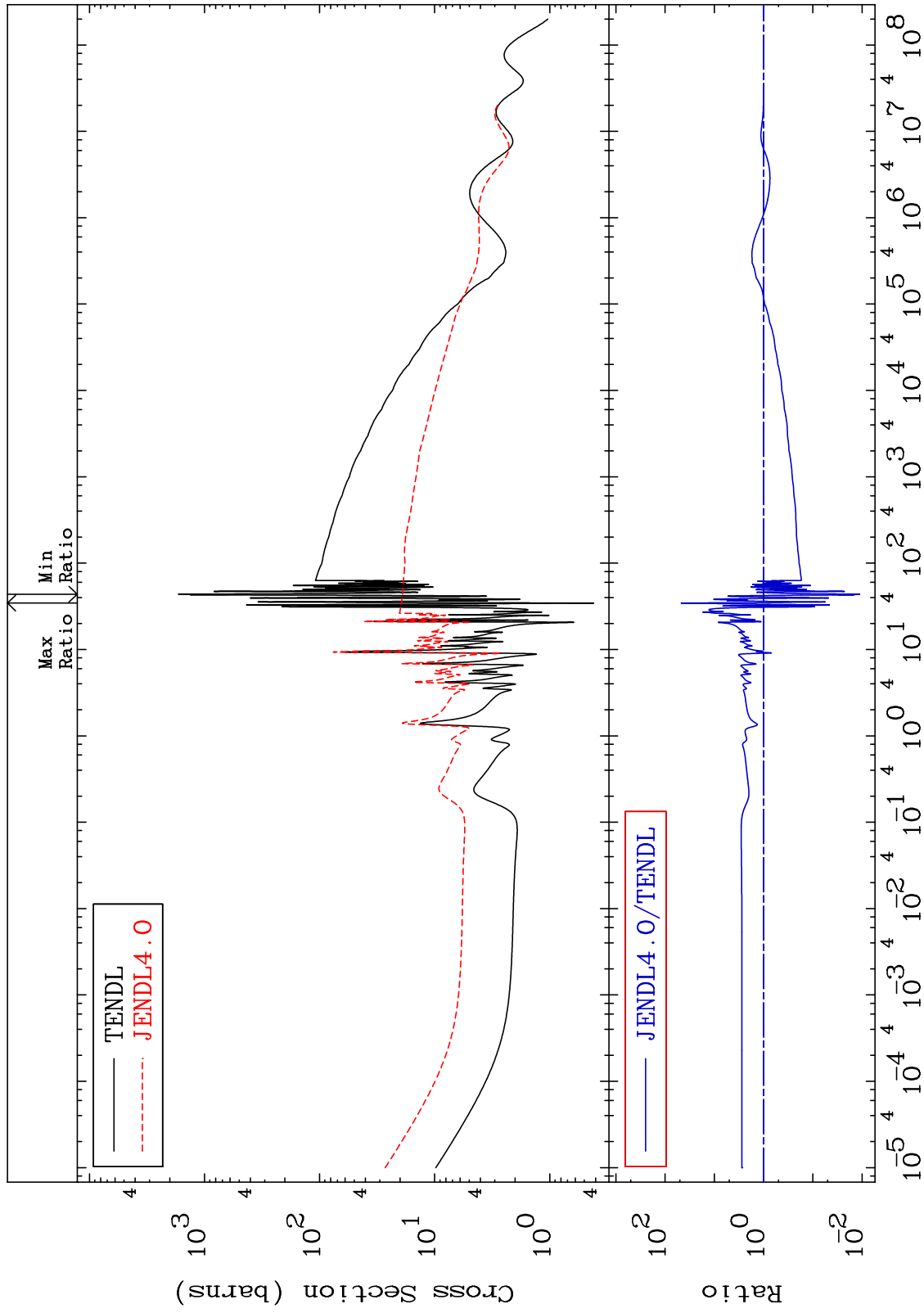
63-Eu-154



MAT 6334

Elastic
Cross Section

63-Eu-154
-98.88 To 4607. %

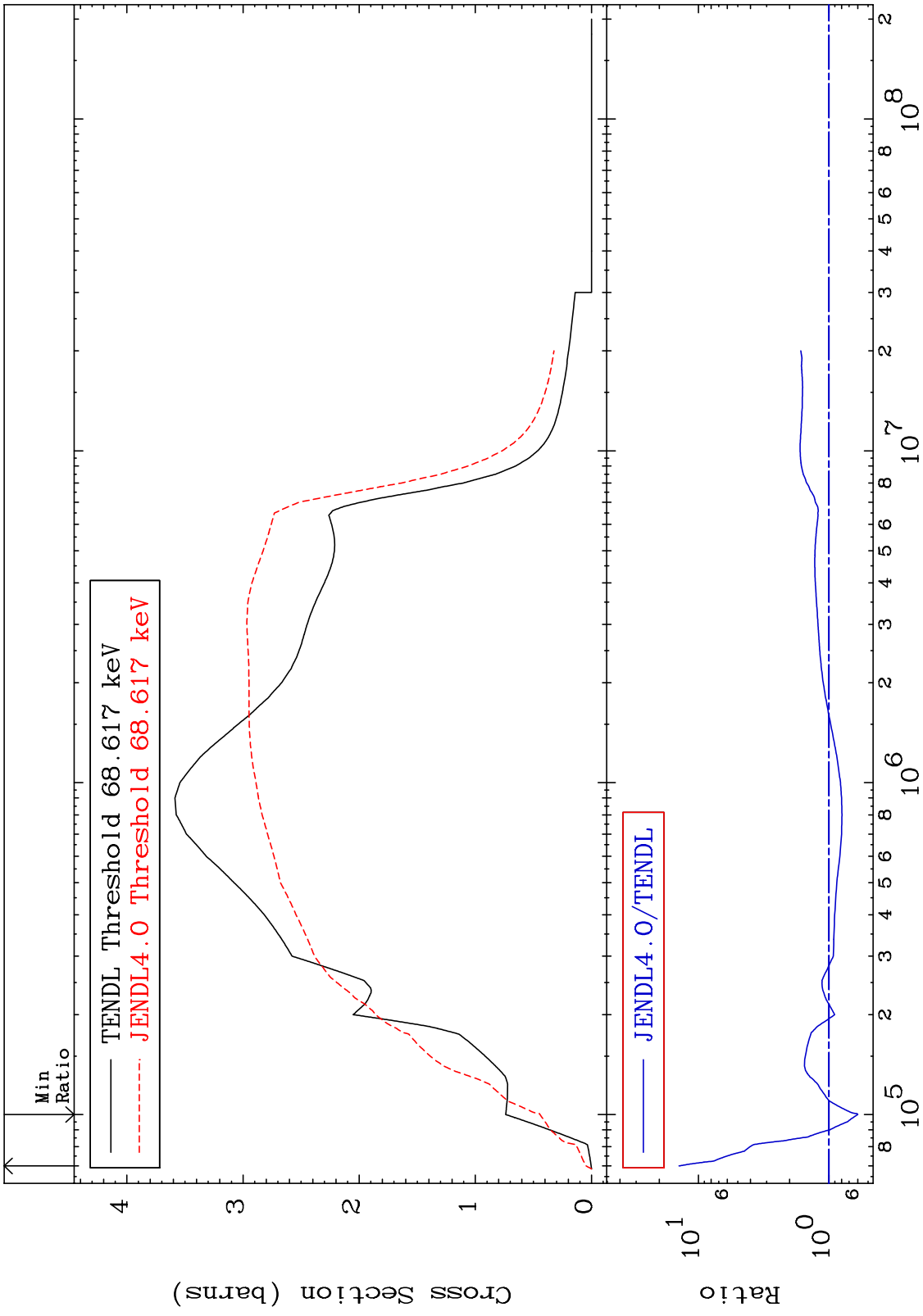


2

Incident Energy (eV)

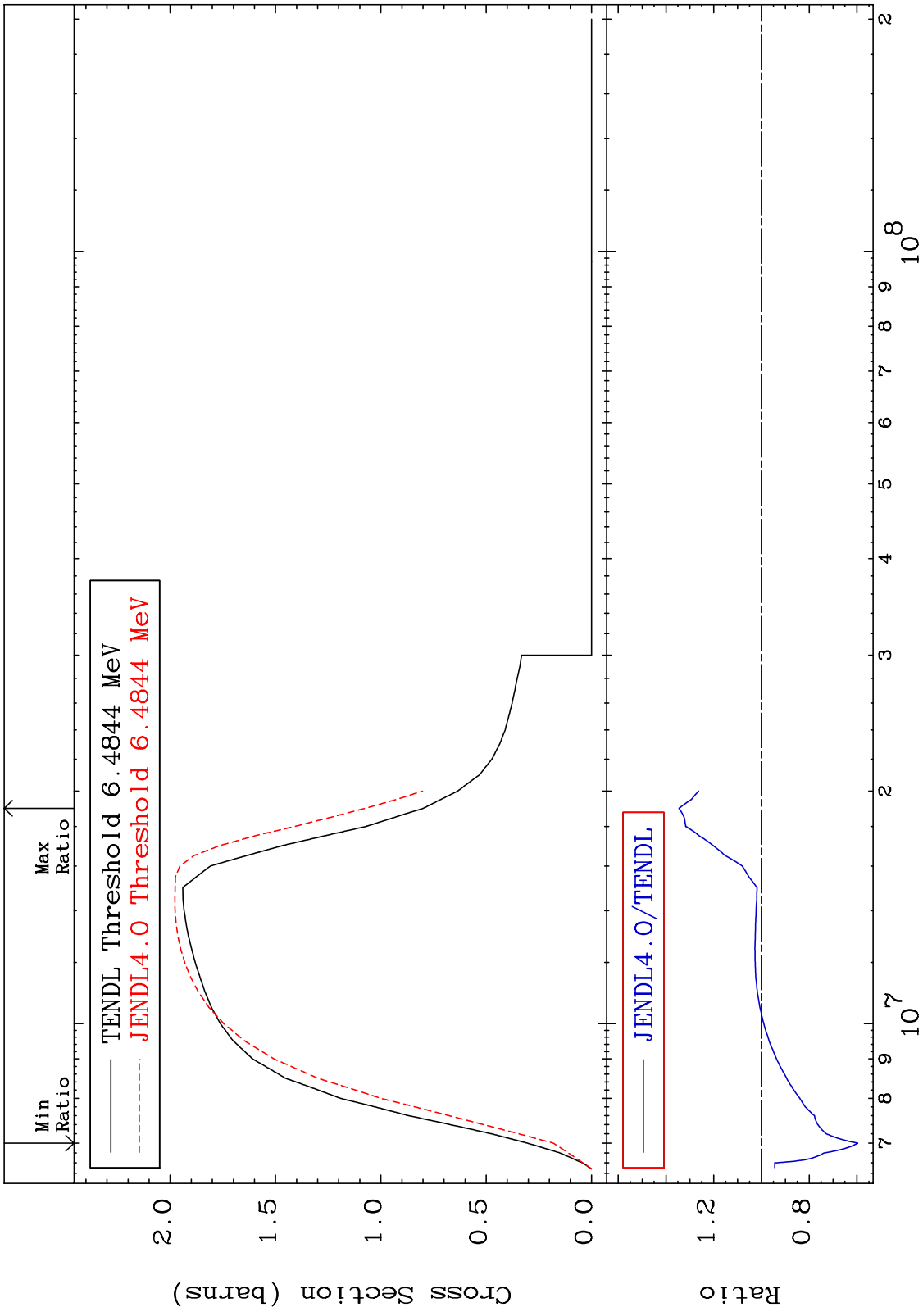
63-Eu-154

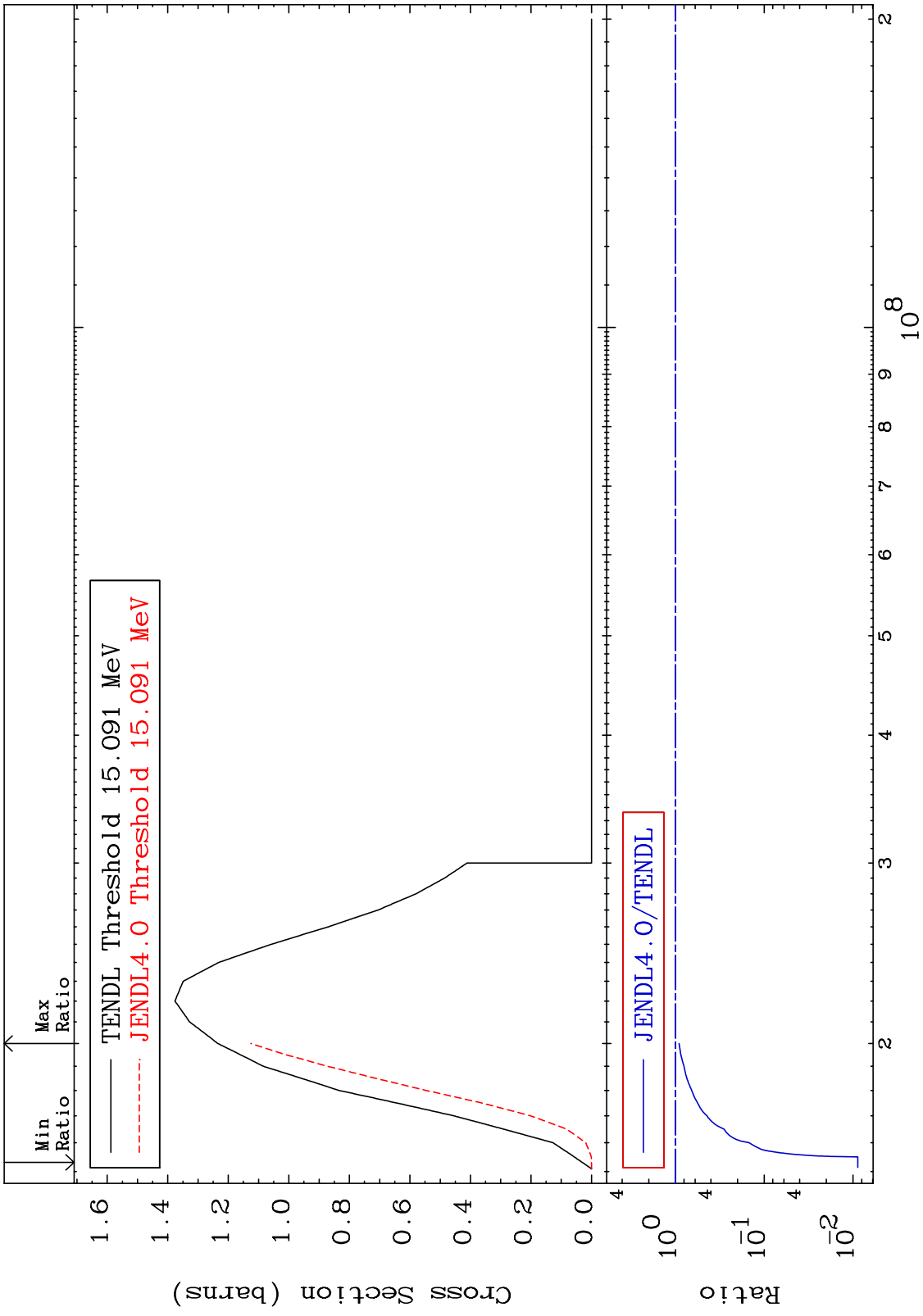
MAT 6334 Inelastic Cross Section 63-Eu-154 -40.03 To 1309. %



3 63-Eu-154

MAT 6334 $(n,2n)$ Cross Section $^{63}\text{Eu}-154$ -40.39 To 34.54 %





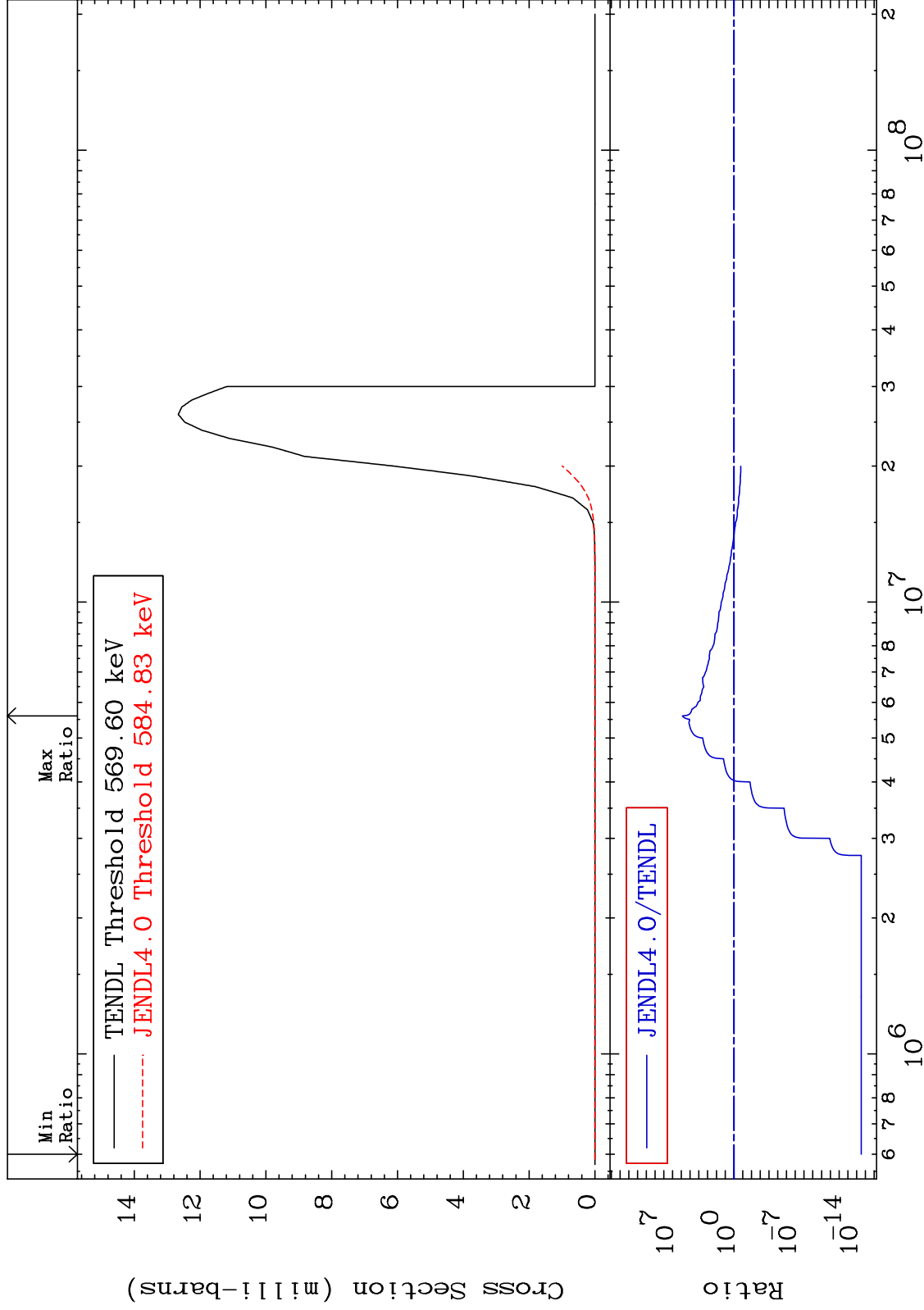
MAT 6334

(n,n') α

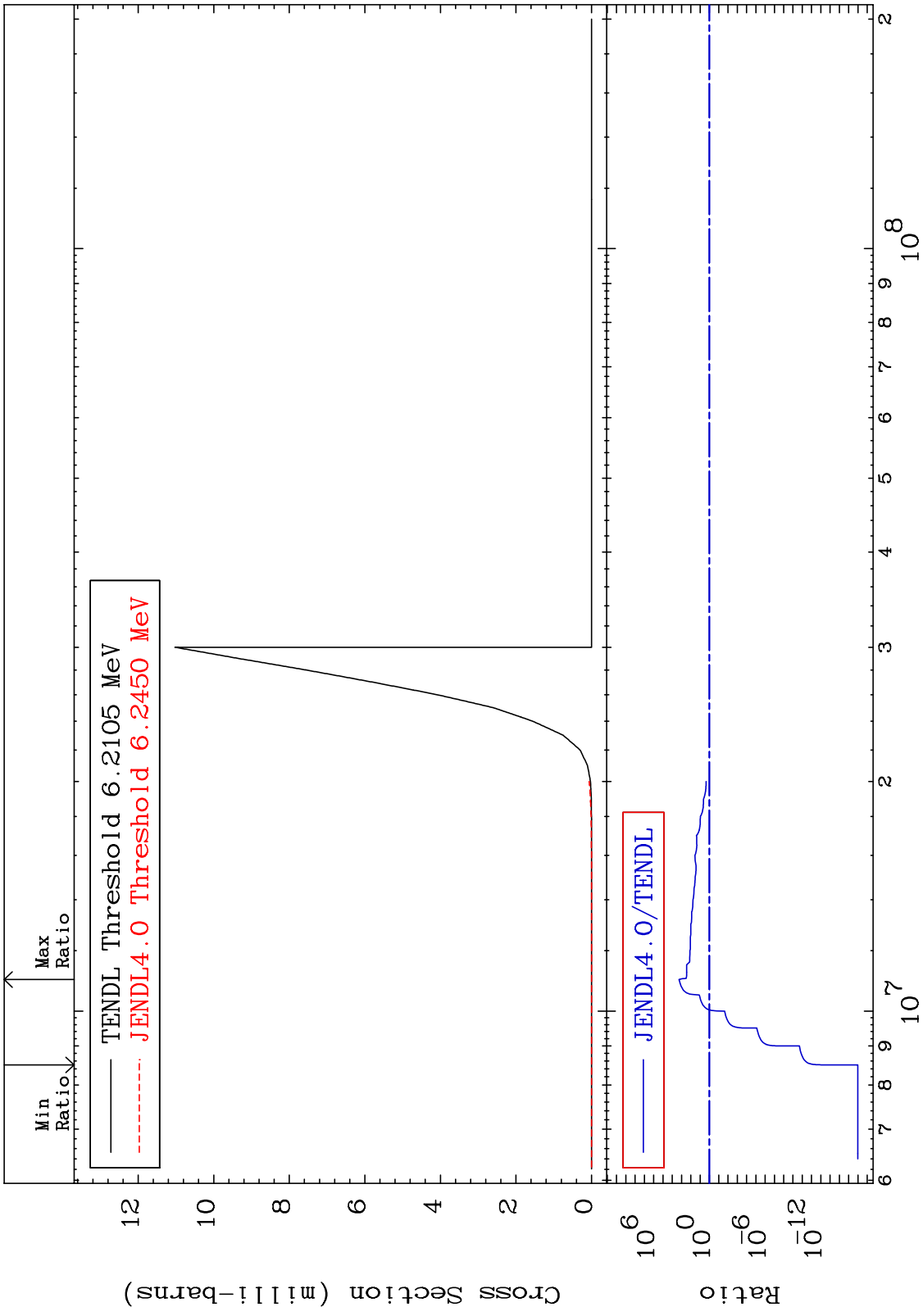
63-Eu-154

-100.0 To 9999. %

Cross Section

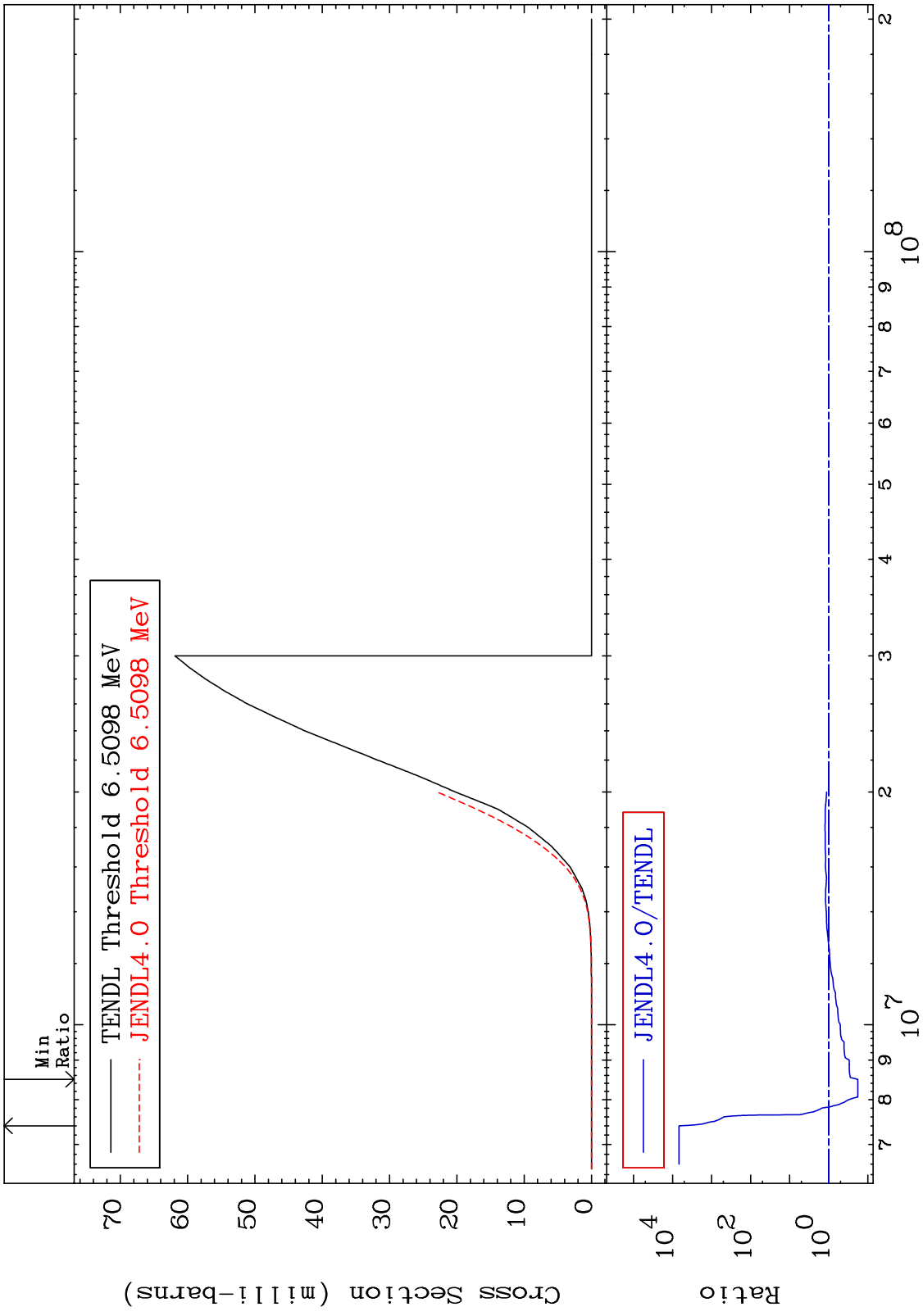


MAT 6334 $(n, 2n) \alpha$ $^{63}\text{Eu}-154$
 Cross Section -100.0 To 9999. %

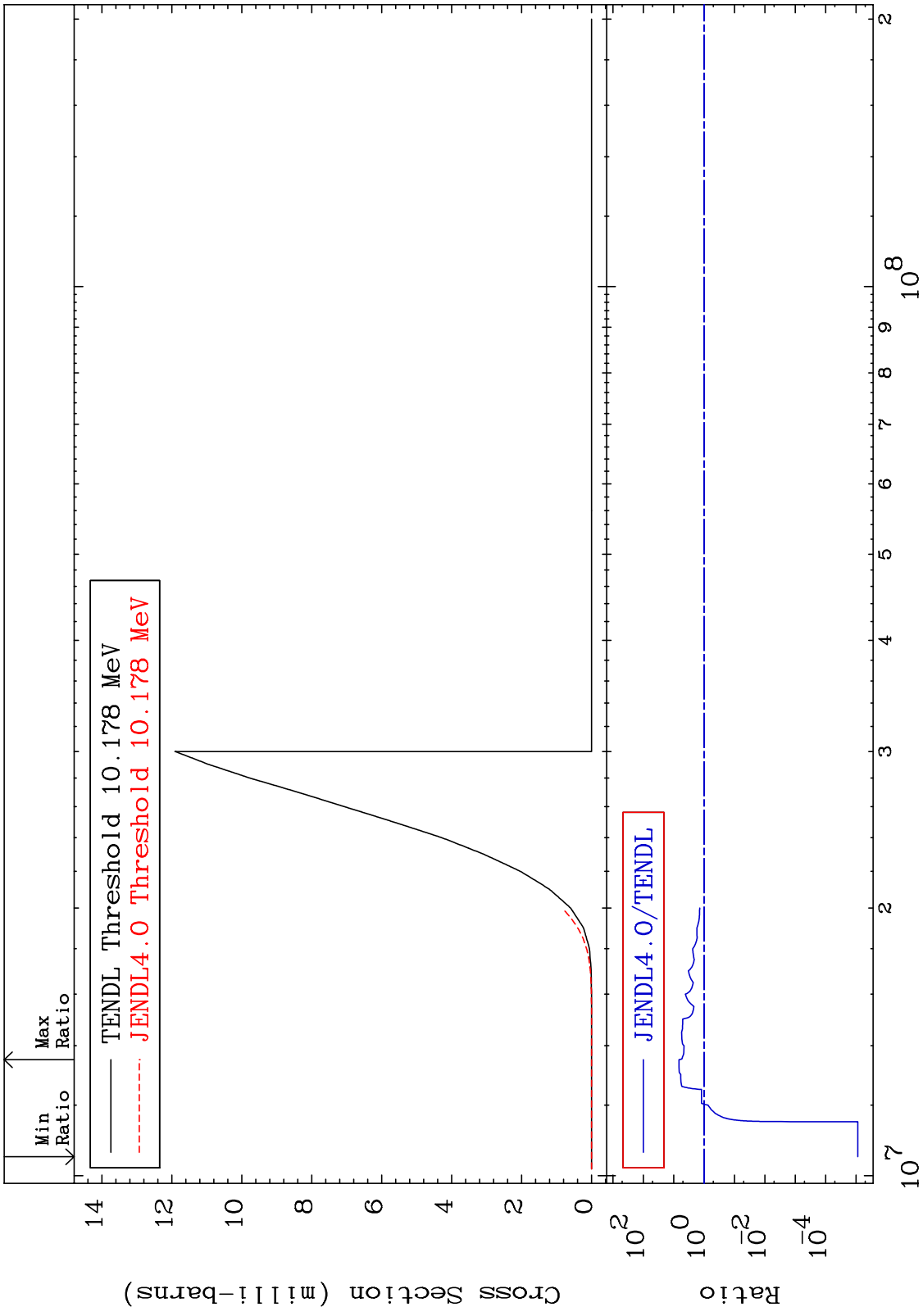


7 63-Eu-154

MAT 6334 (n,n') p 63-Eu-154
 Cross Section -82.04 To 9999. %

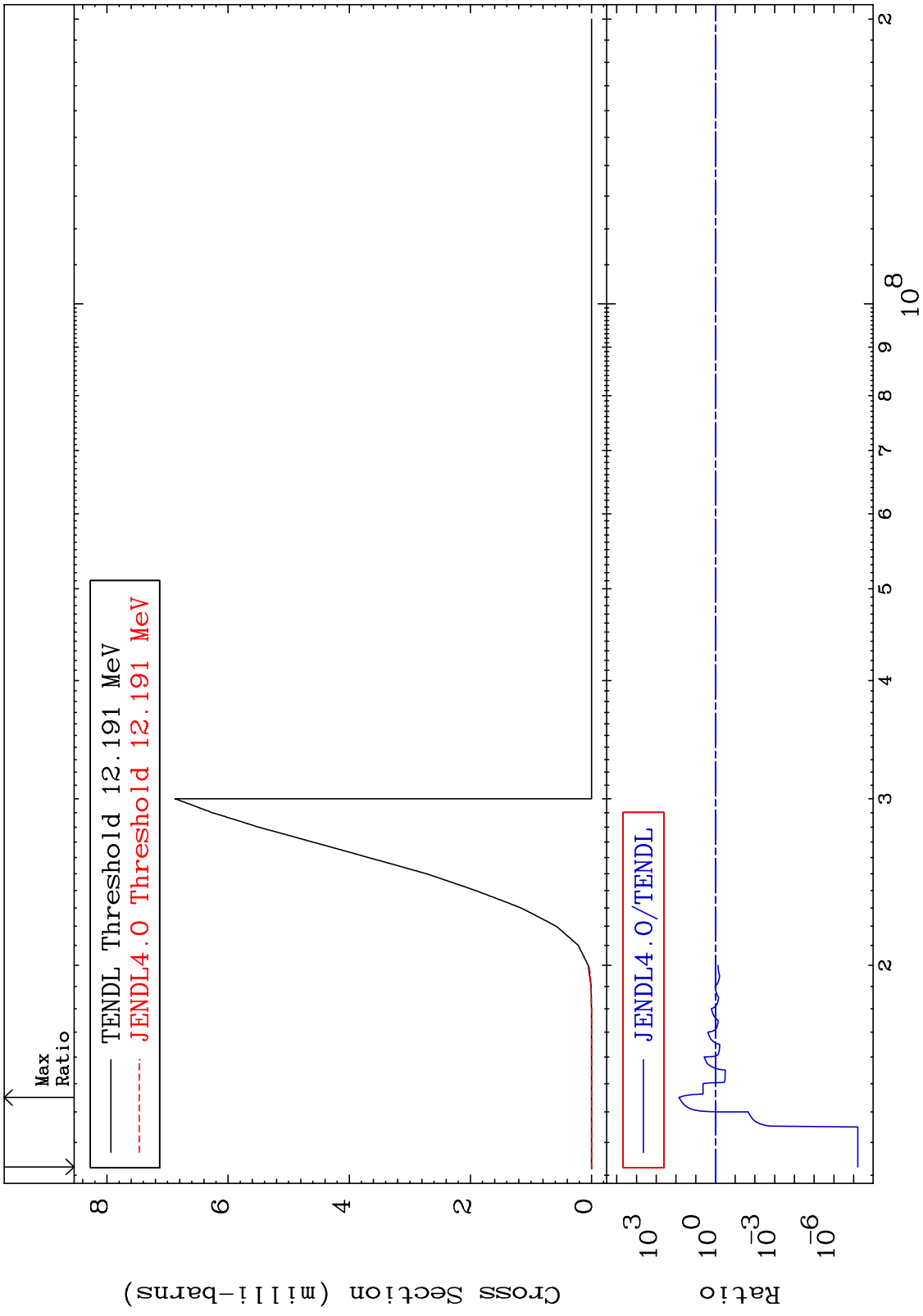


MAT 6334 (n,n') d 63-Eu-154
 Cross Section -100.0 To 566.8 %

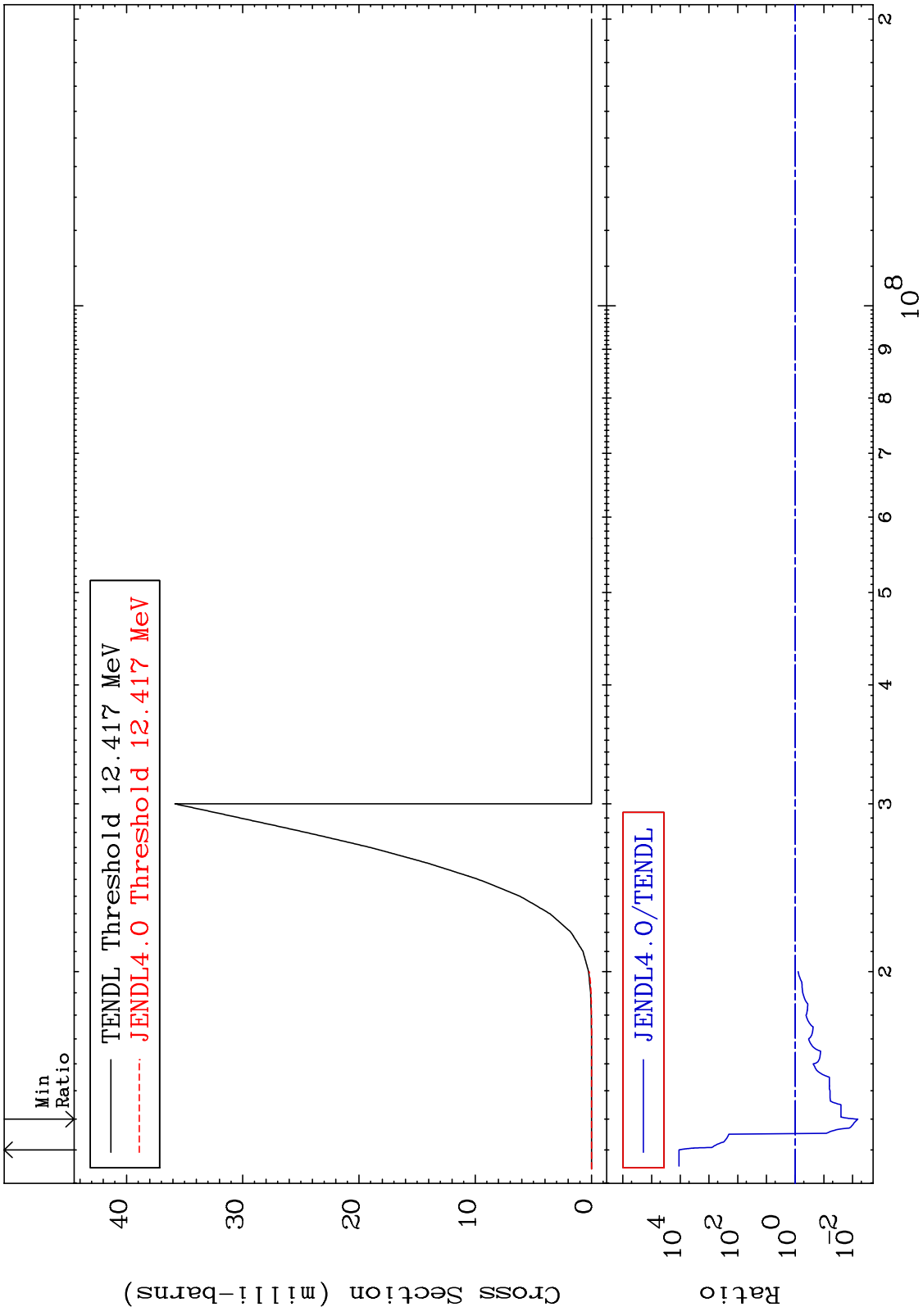


63-Eu-154 Incident Energy (eV)

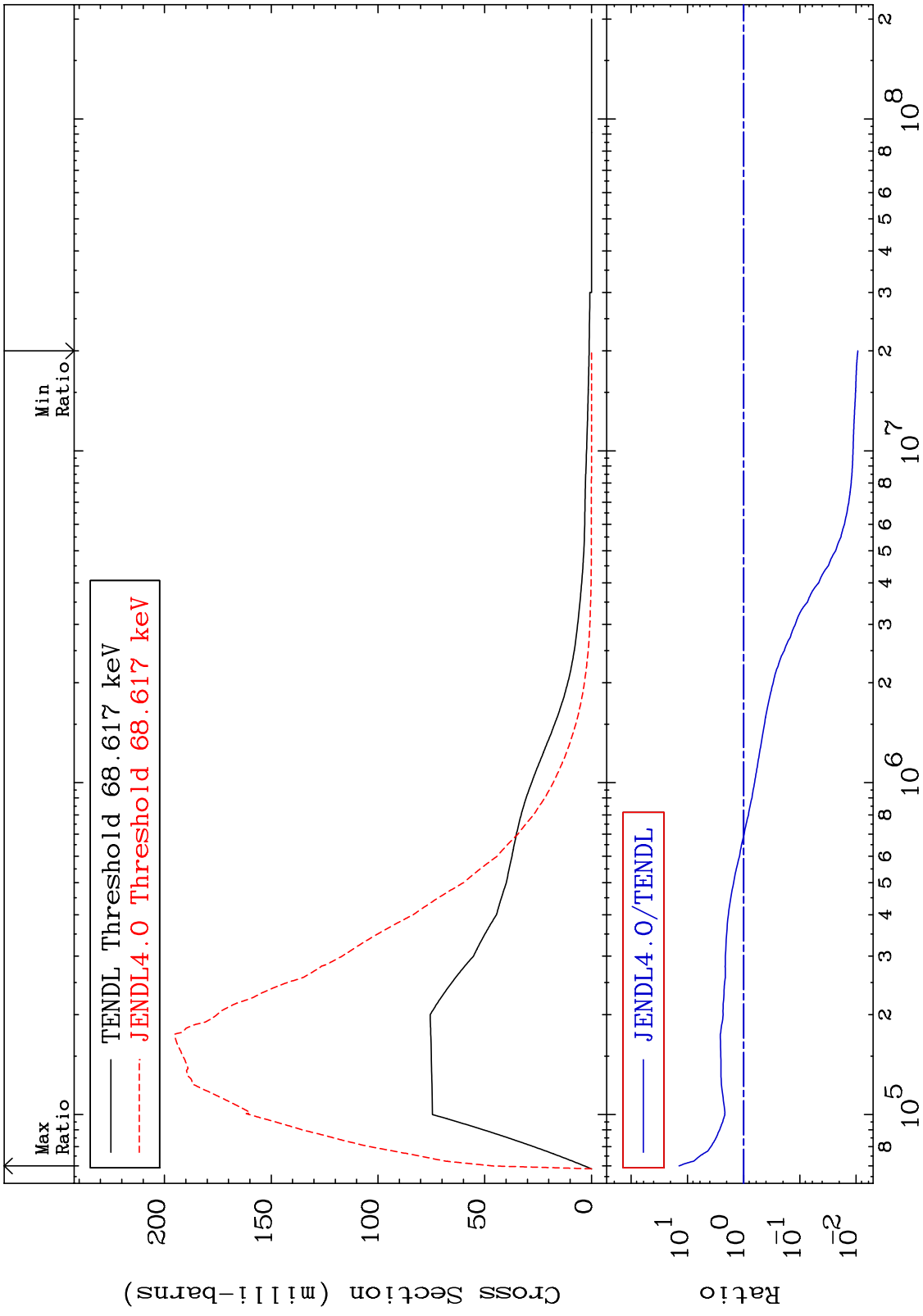
MAT 6334 (n,n') t 63-Eu-154
 Cross Section -100.0 To 6889. %



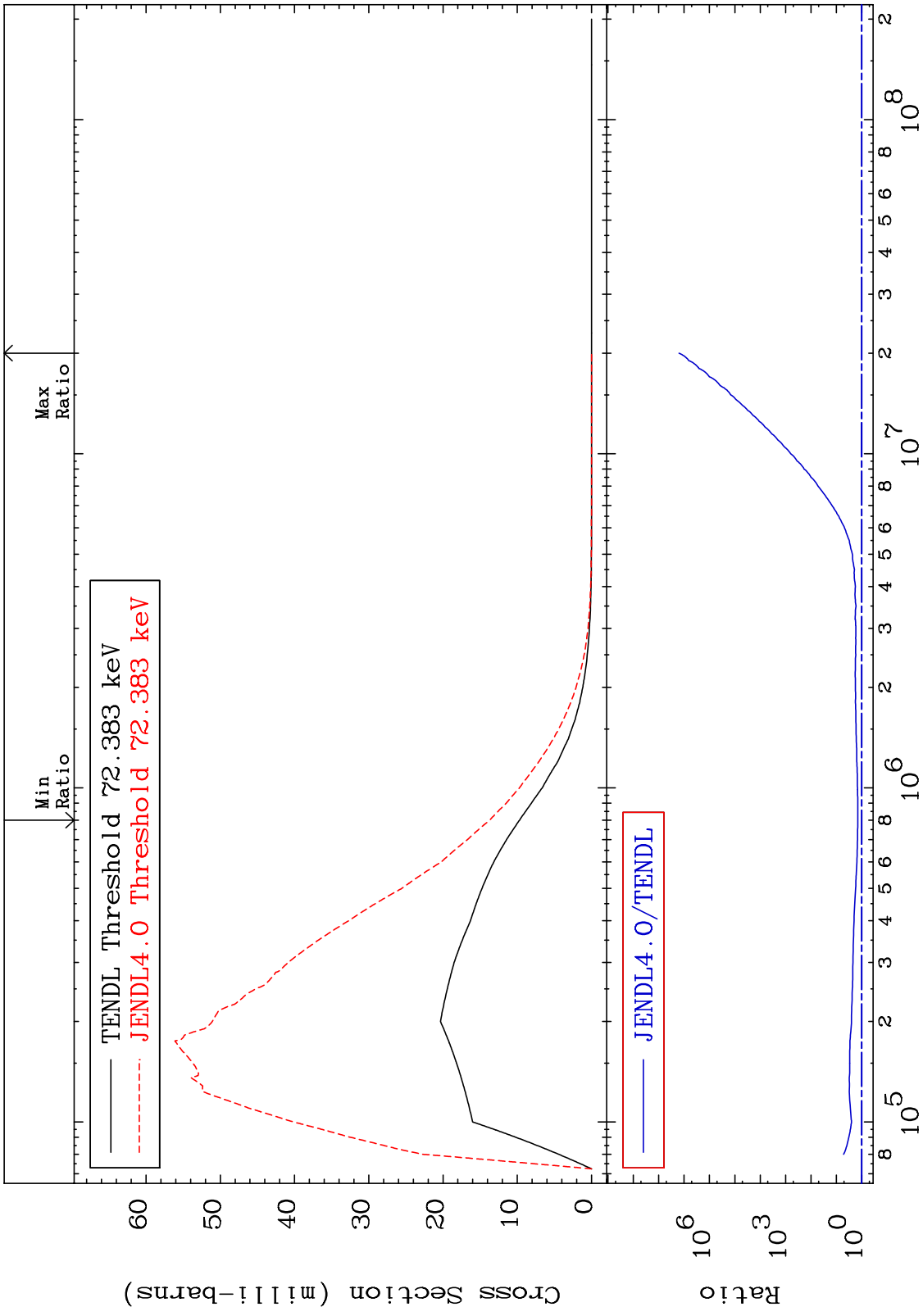
MAT 6334 (n,2n) p 63-Eu-154
 Cross Section -99.34 To 9999. %



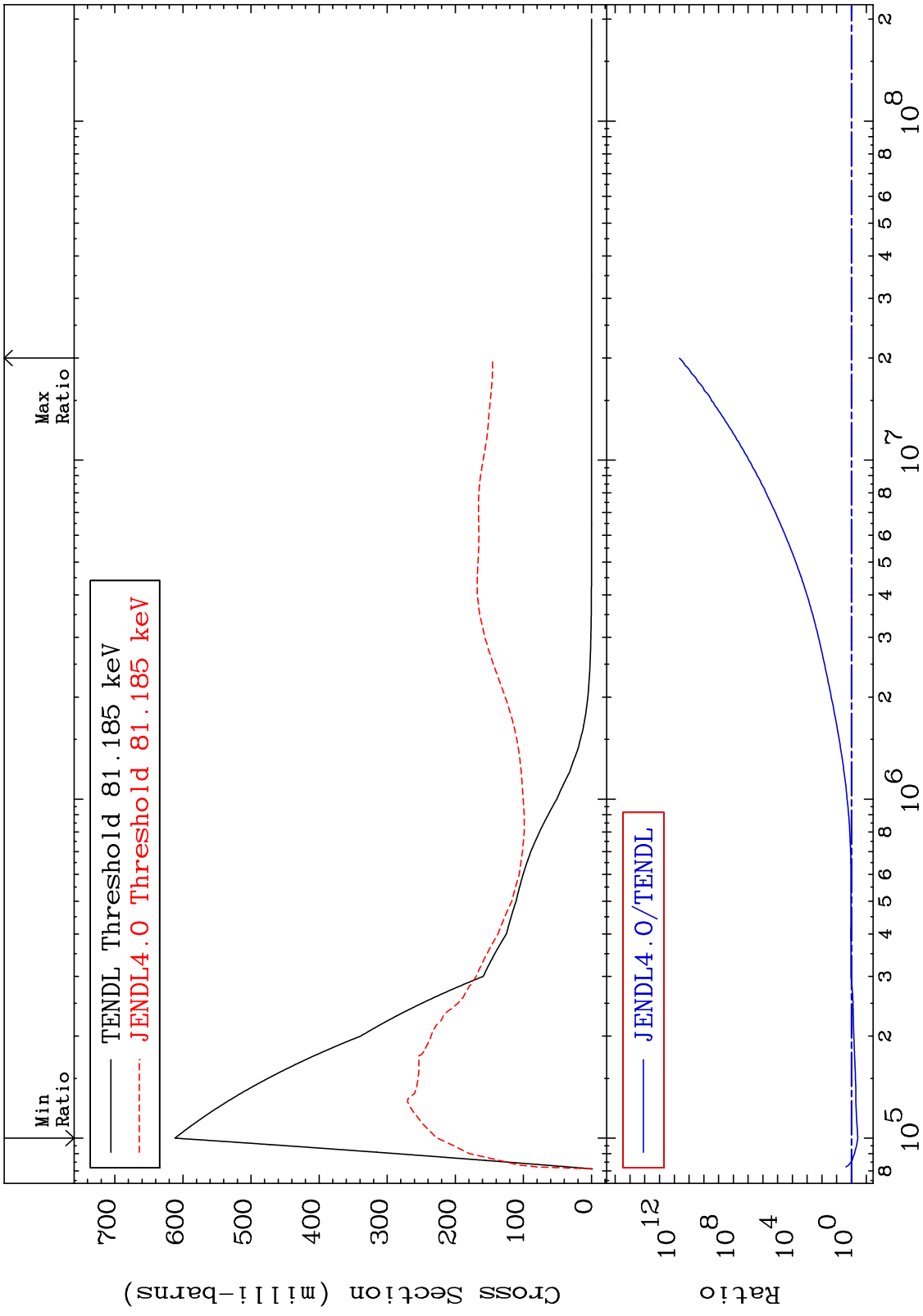
MAT 6334 MT= 51 (n,n') Level Cross Section 63-Eu-154 -99.07 To 1309. %



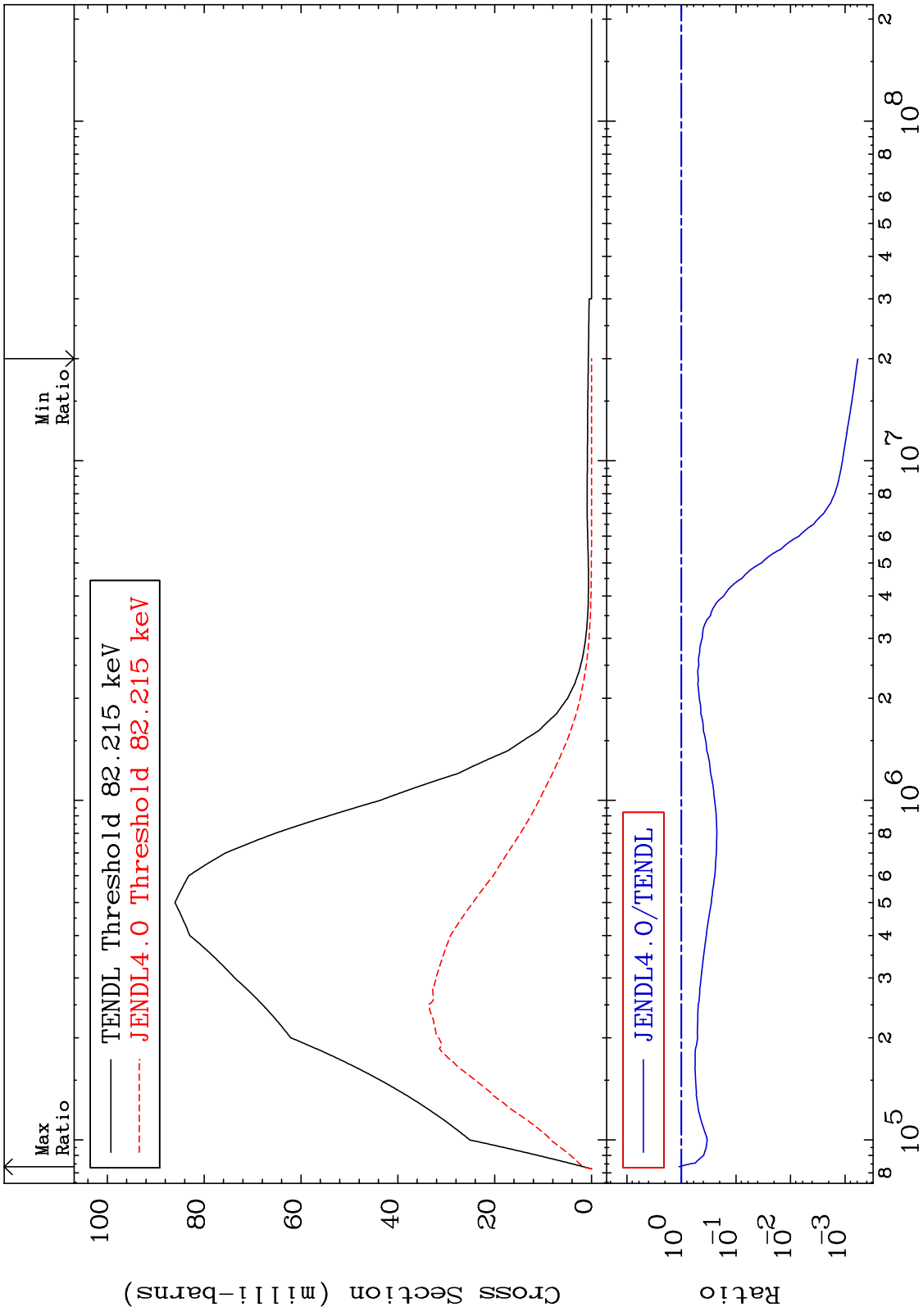
MAT 6334 MT= 52 (n,n') Level Cross Section 63-Eu-154 41.59 To 9999. %



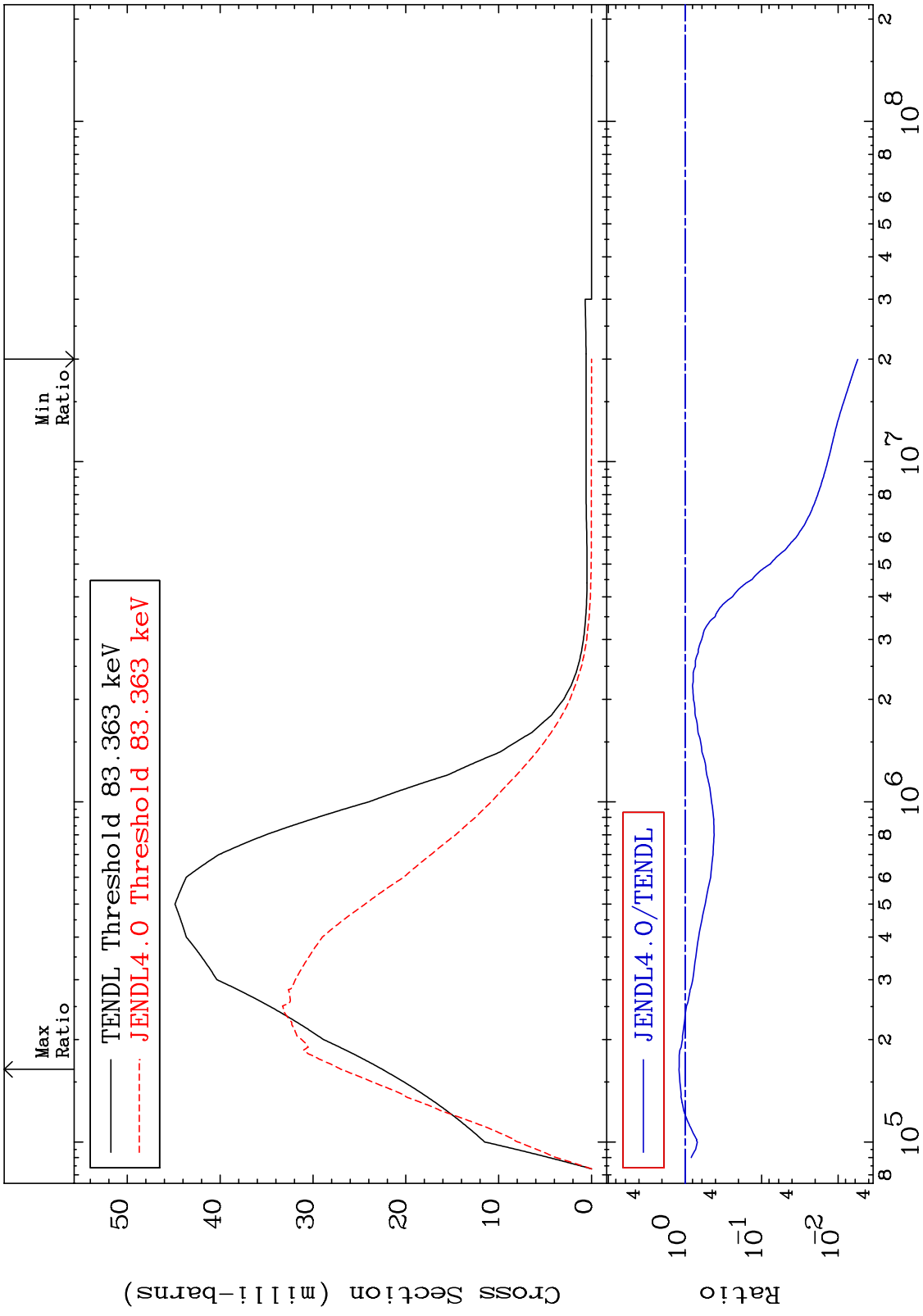
MAT 6334 MT= 53 (n,n') Level Cross Section 63-Eu-154
 -63.04 To 9999. %



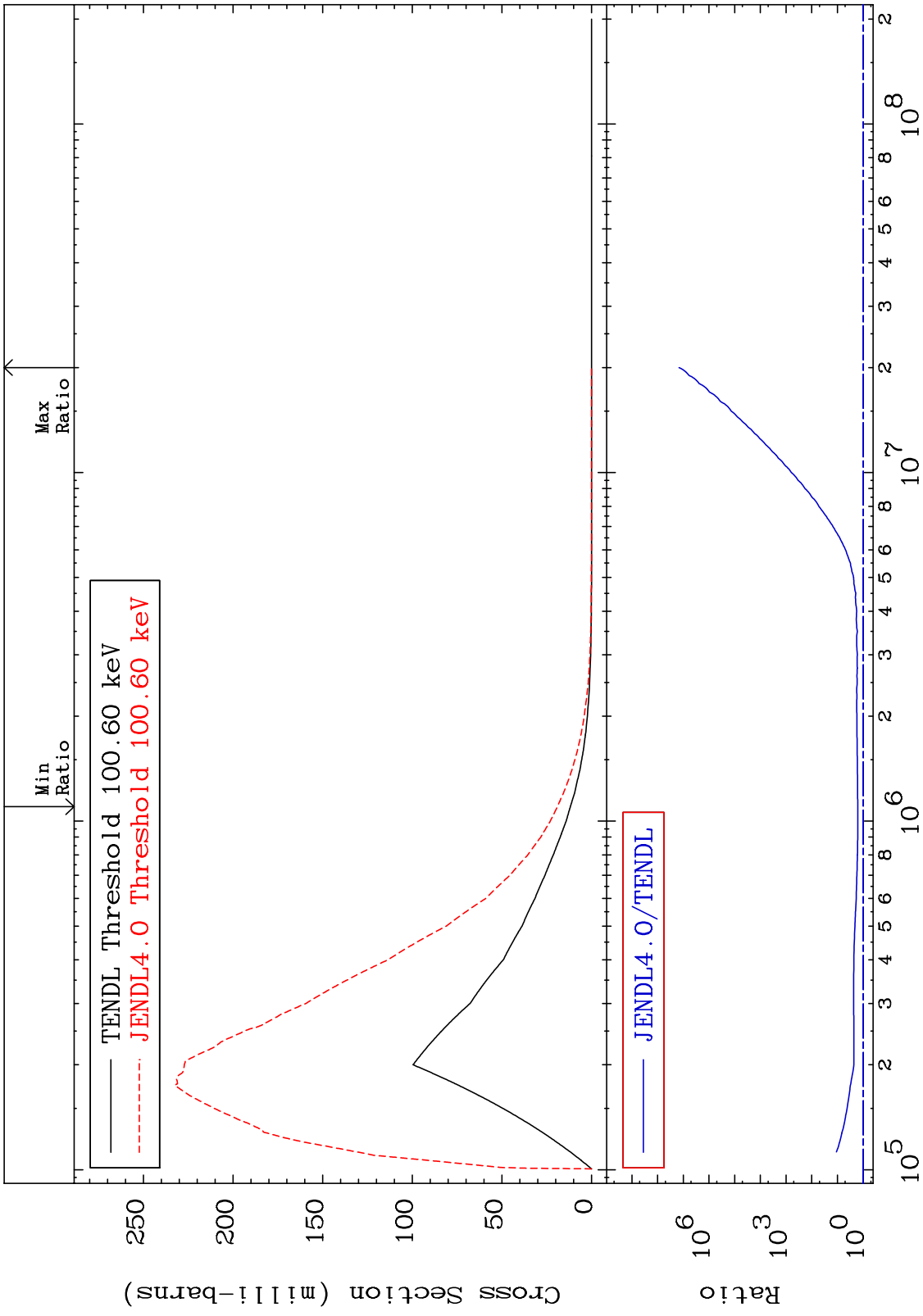
MAT 6334 MT= 54 (n,n') Level Cross Section 63-Eu-154
 -99.94 To 10.78 %



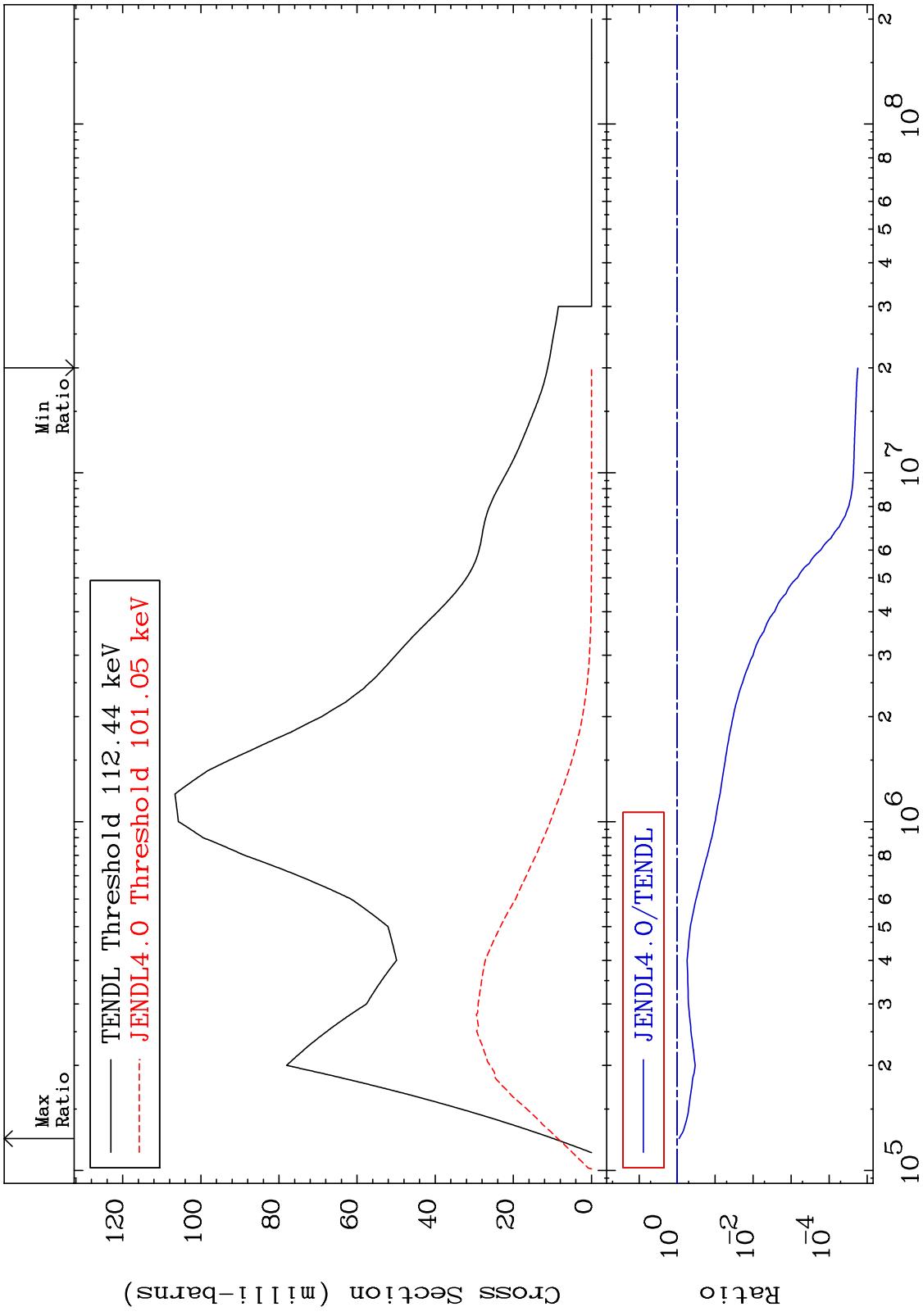
MAT 6334 MT= 55 (n,n') Level Cross Section 63-Eu-154 -99.45 To 19.66 %



MAT 6334 MT= 56 (n,n') Level Cross Section 63-Eu-154 61.05 To 9999. %



MAT 6334 MT= 57 (n,n') Level Cross Section 63-Eu-154
 -100.0 To -11.15%

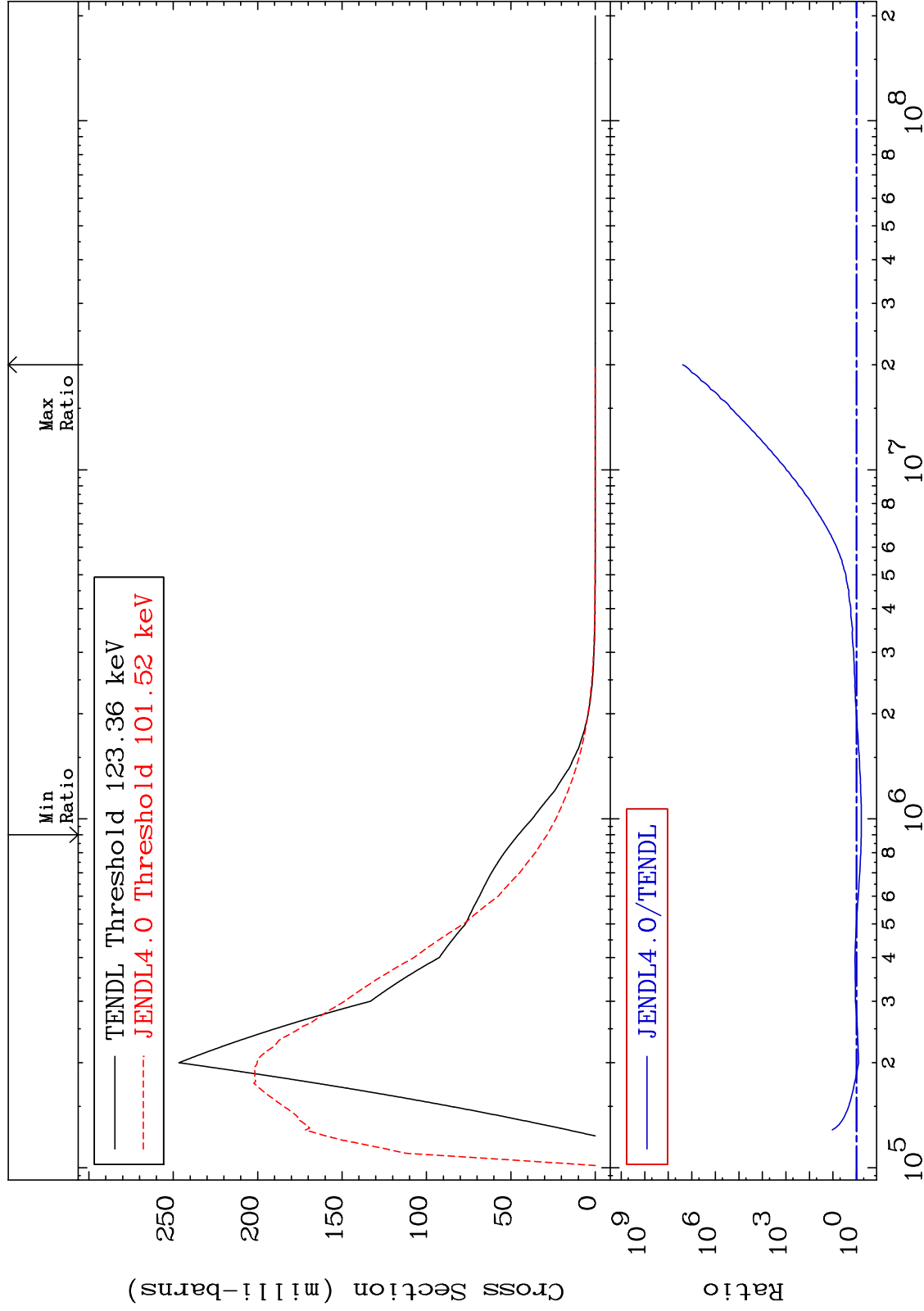


18 63-Eu-154

MAT 6334

MT= 58 (n,n') Level
Cross Section

63-Eu-154
-37.56 To 9999. %

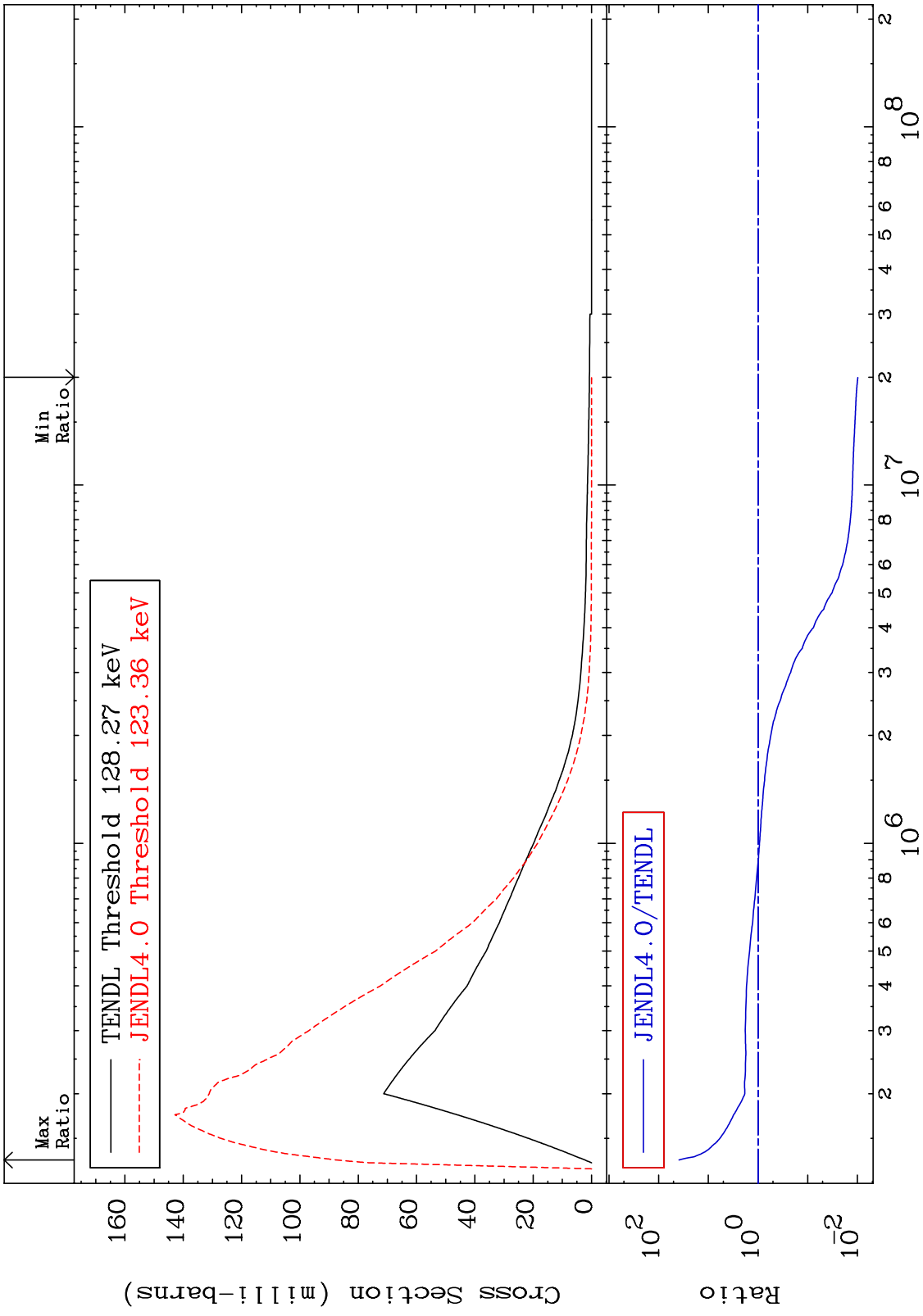


19

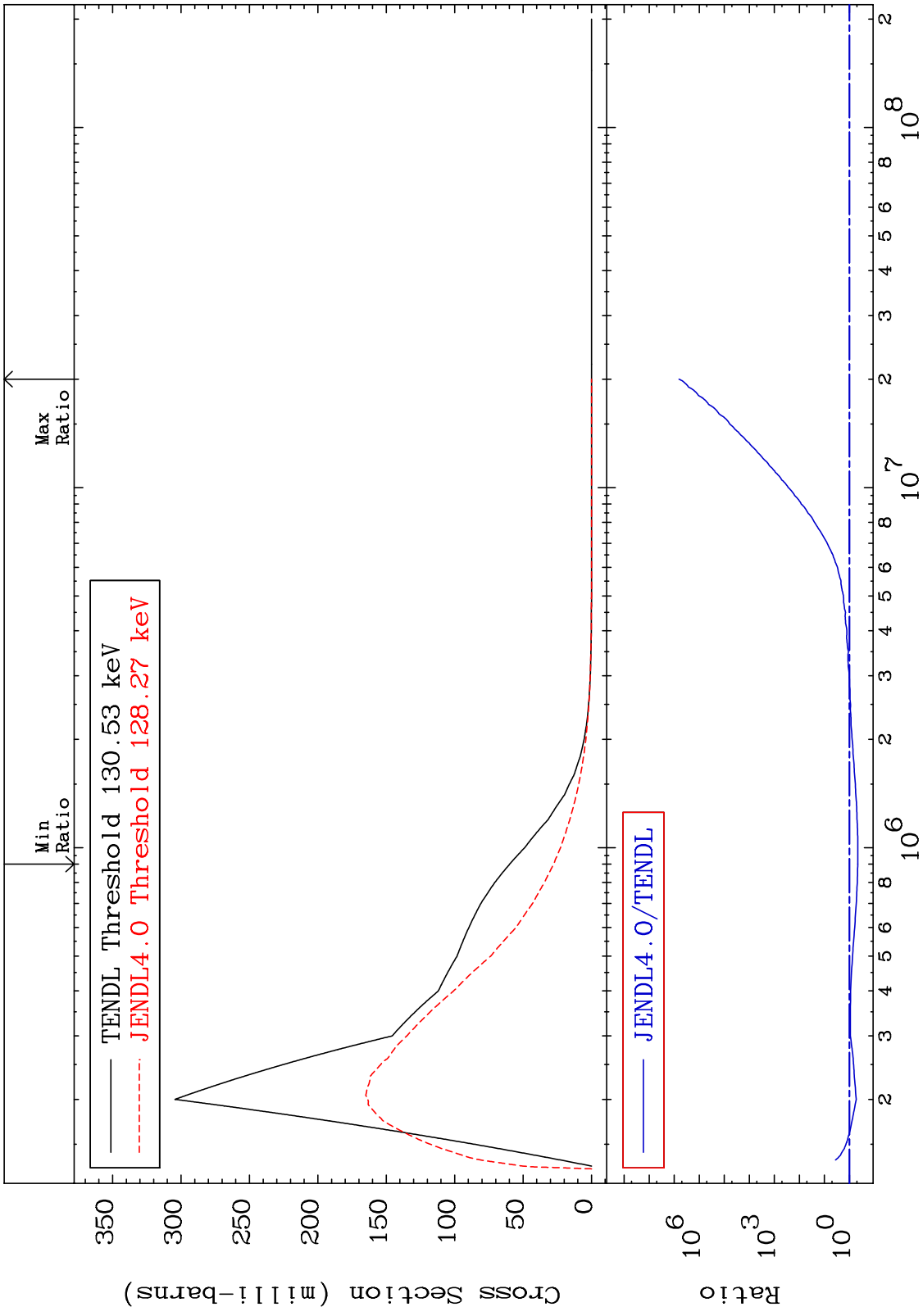
Incident Energy (eV)

63-Eu-154

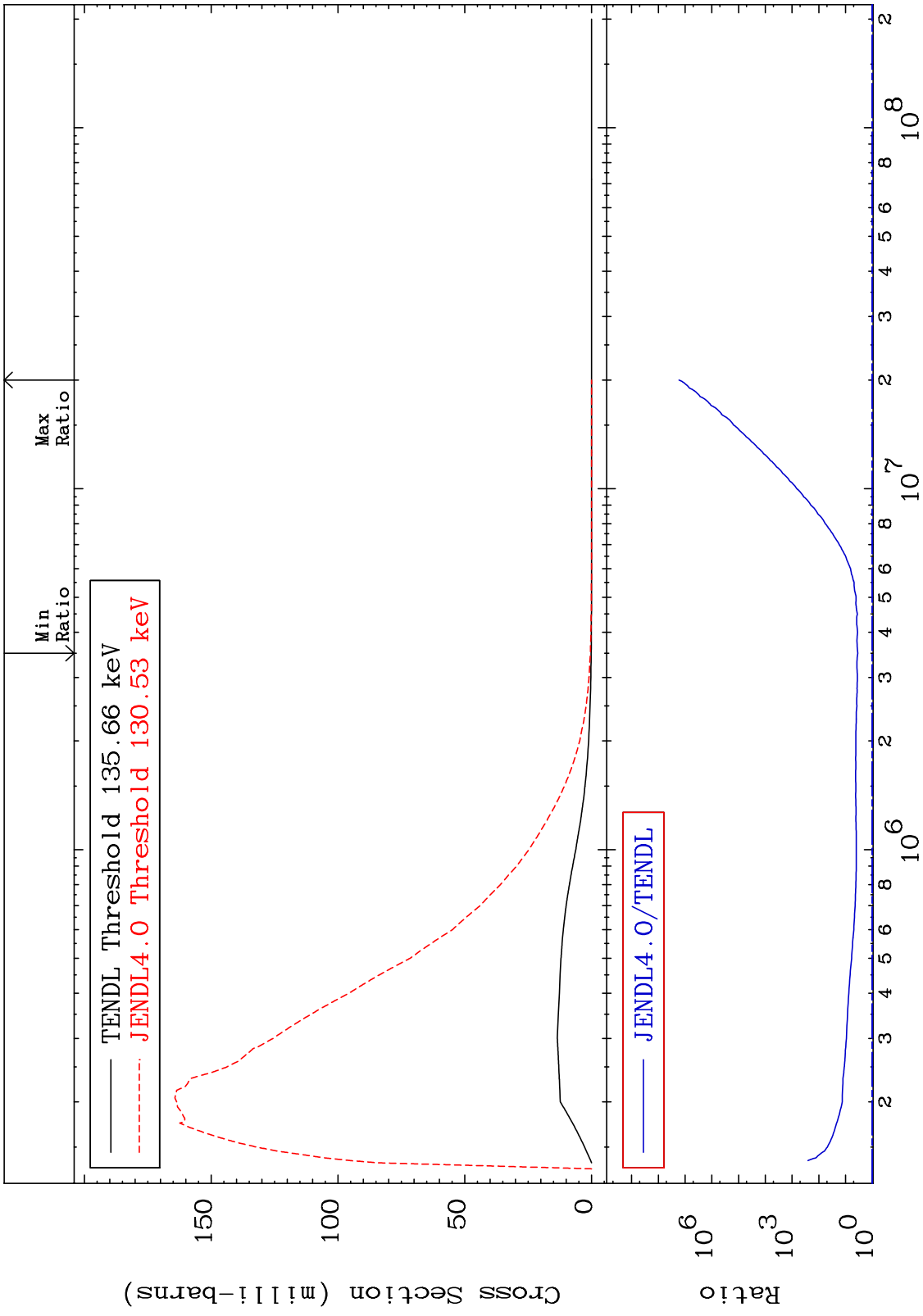
MAT 6334 MT= 59 (n,n') Level Cross Section 63-Eu-154 -99.02 To 3782. %



MAT 6334 MT= 60 (n,n') Level Cross Section 63-Eu-154
 -53.74 To 9999. %

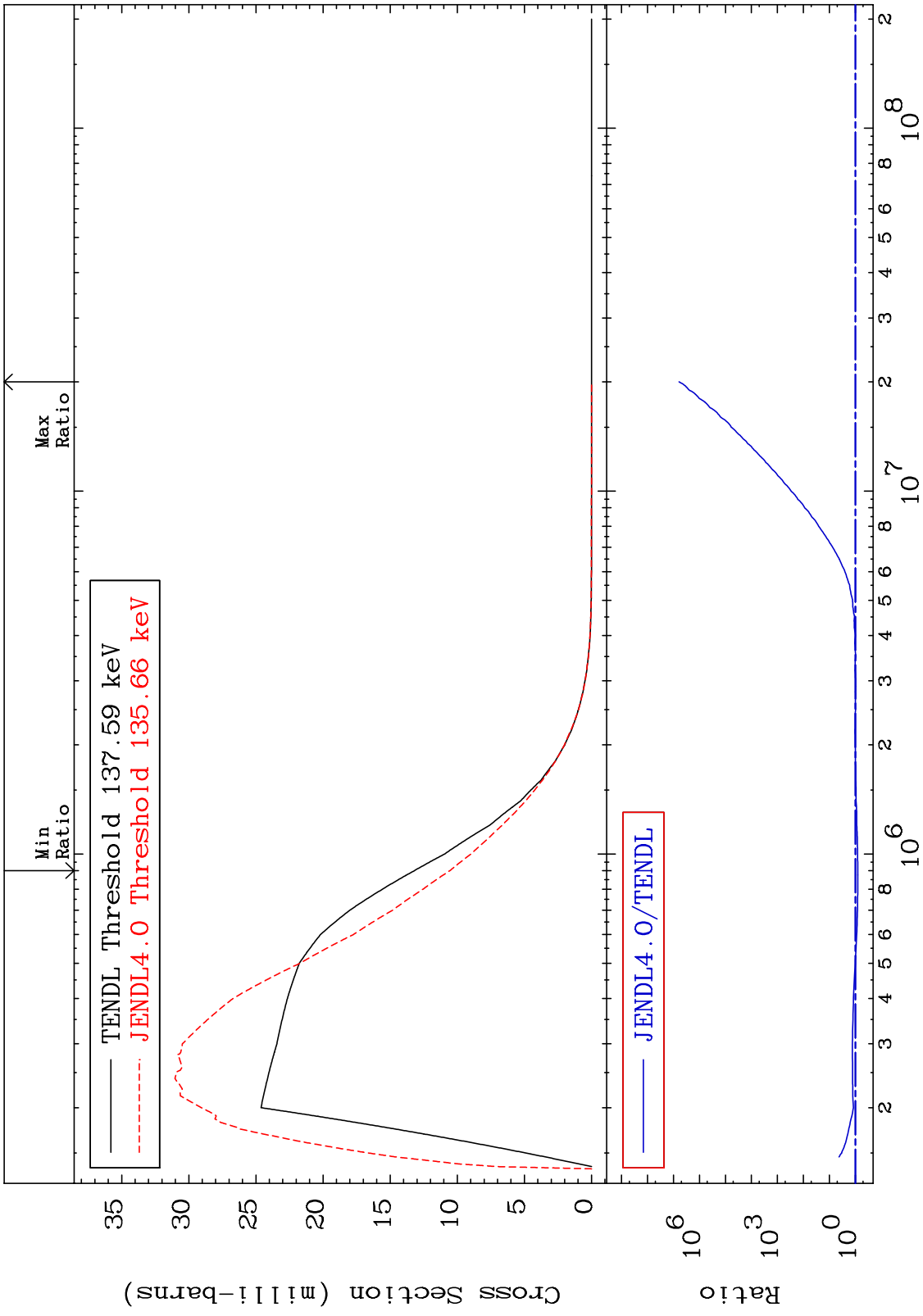


MAT 6334 MT= 61 (n,n') Level Cross Section 63-Eu-154 247.6 To 9999. %

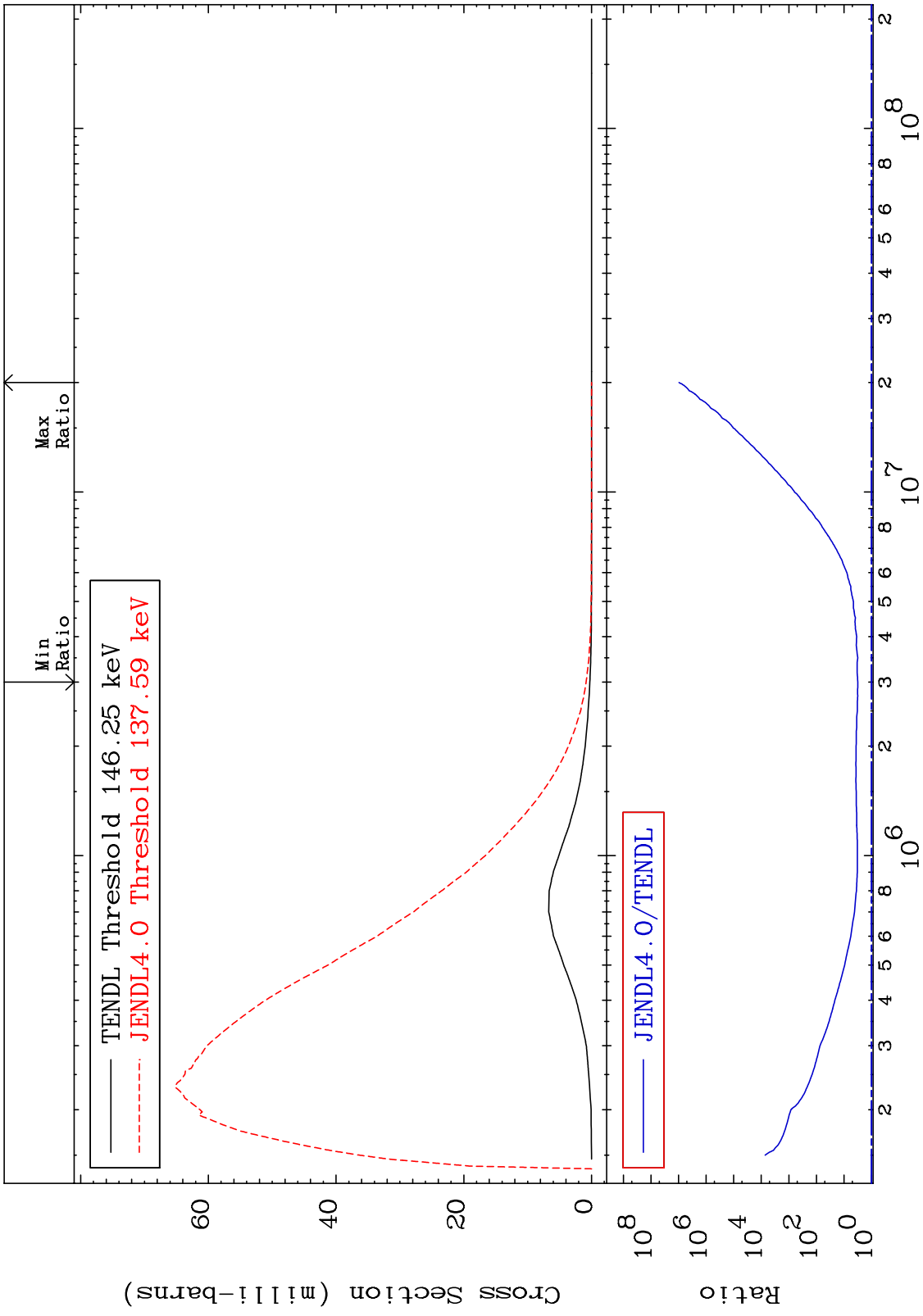


22 63-Eu-154

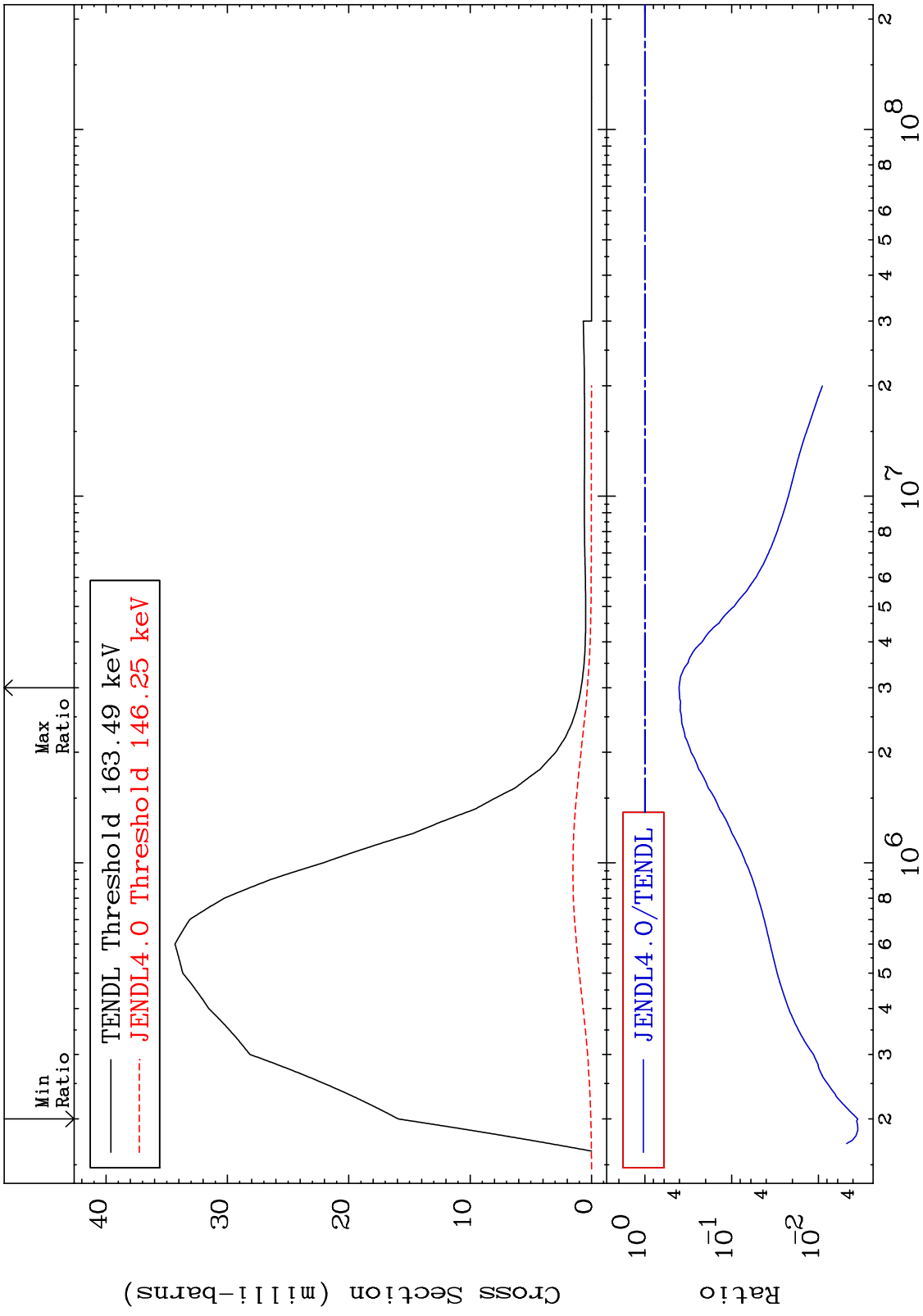
MAT 6334 MT= 62 (n,n') Level Cross Section 63-Eu-154
 -20.01 To 9999. %



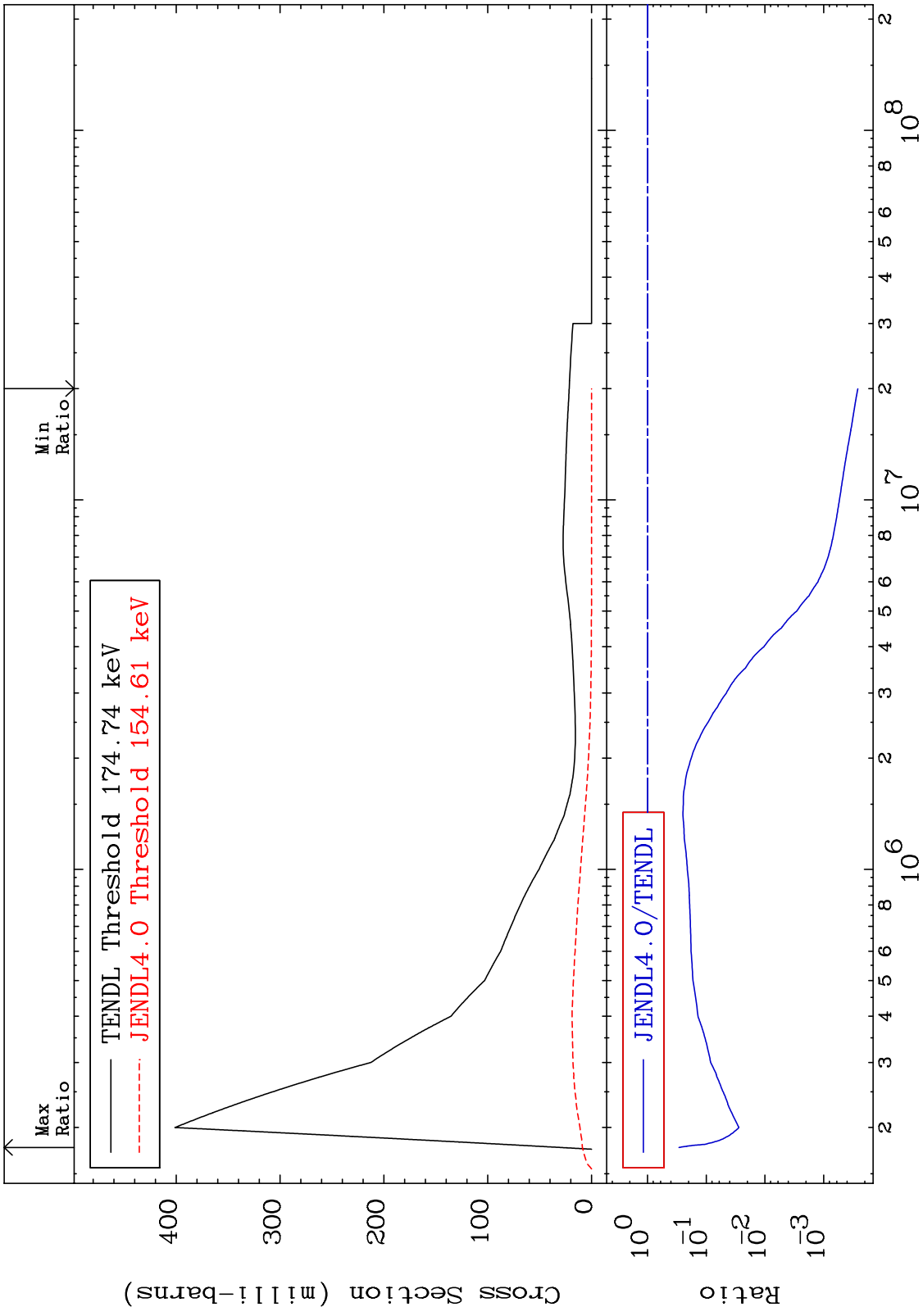
MAT 6334 MT= 63 (n,n') Level Cross Section 63-Eu-154 214.0 To 9999. %



MAT 6334 MT= 64 (n,n') Level Cross Section 63-Eu-154
 -99.65 To -59.54%

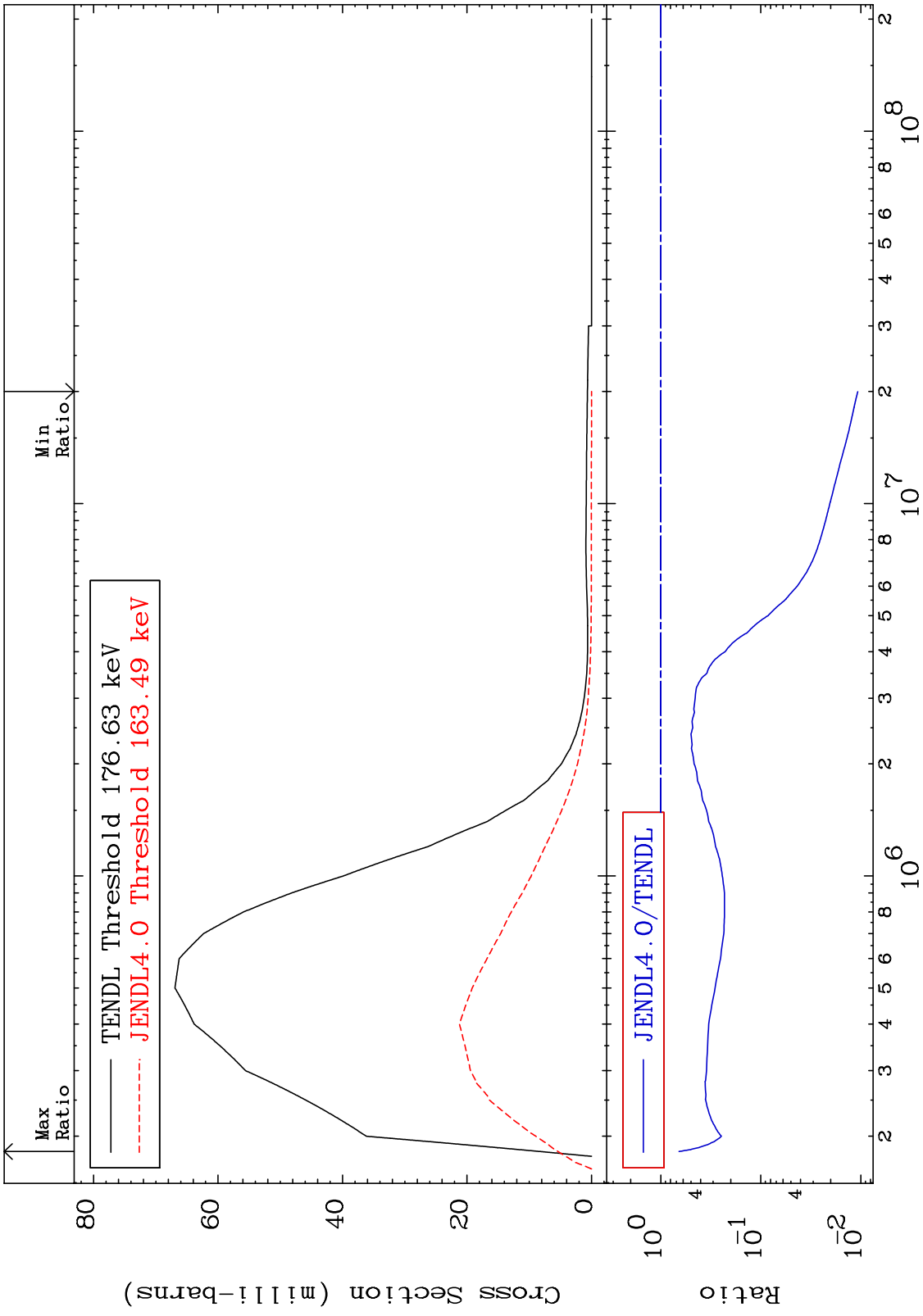


MAT 6334 MT= 65 (n,n') Level Cross Section 63-Eu-154
 -99.97 To -70.92%

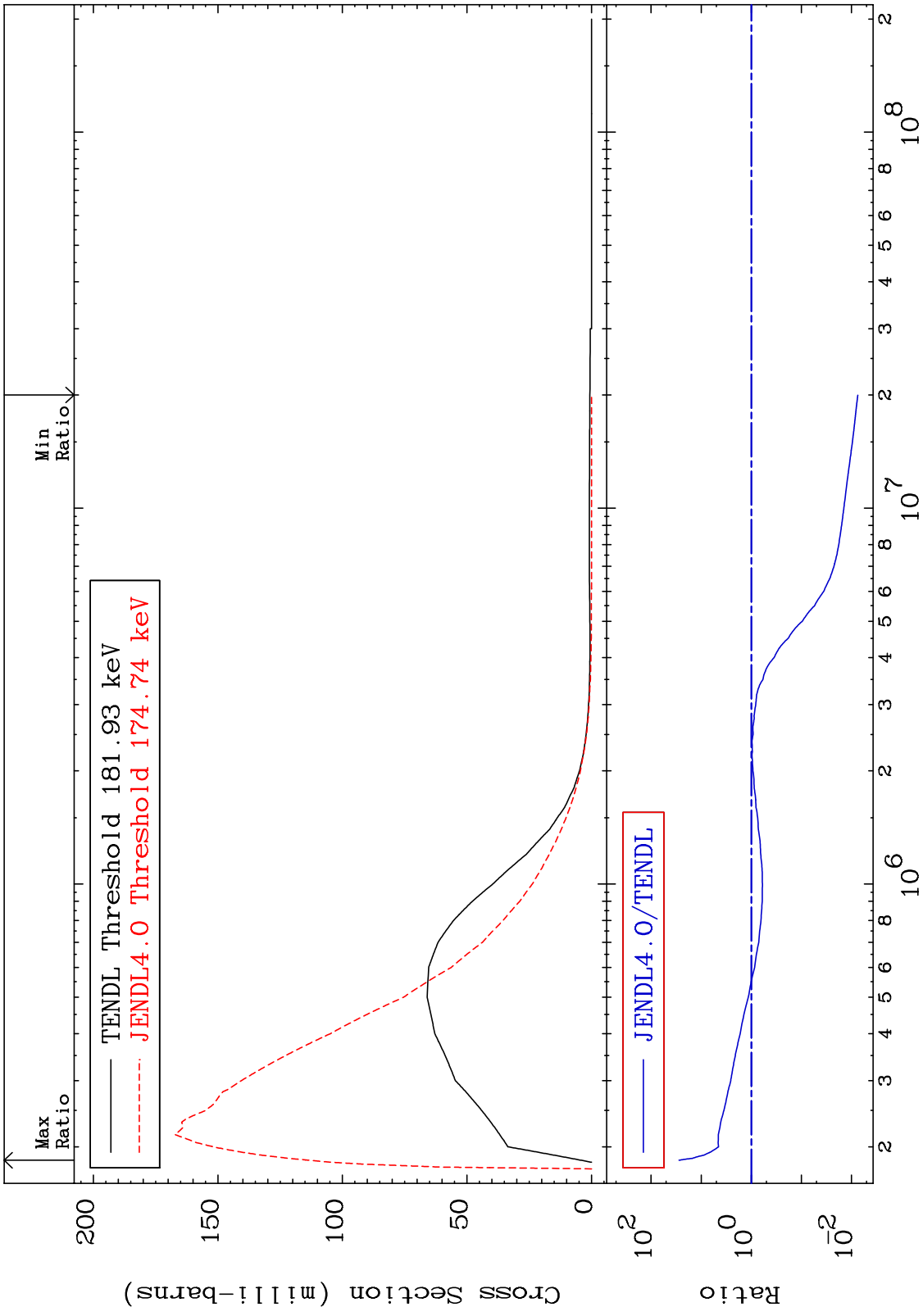


Incident Energy (eV) 63-Eu-154

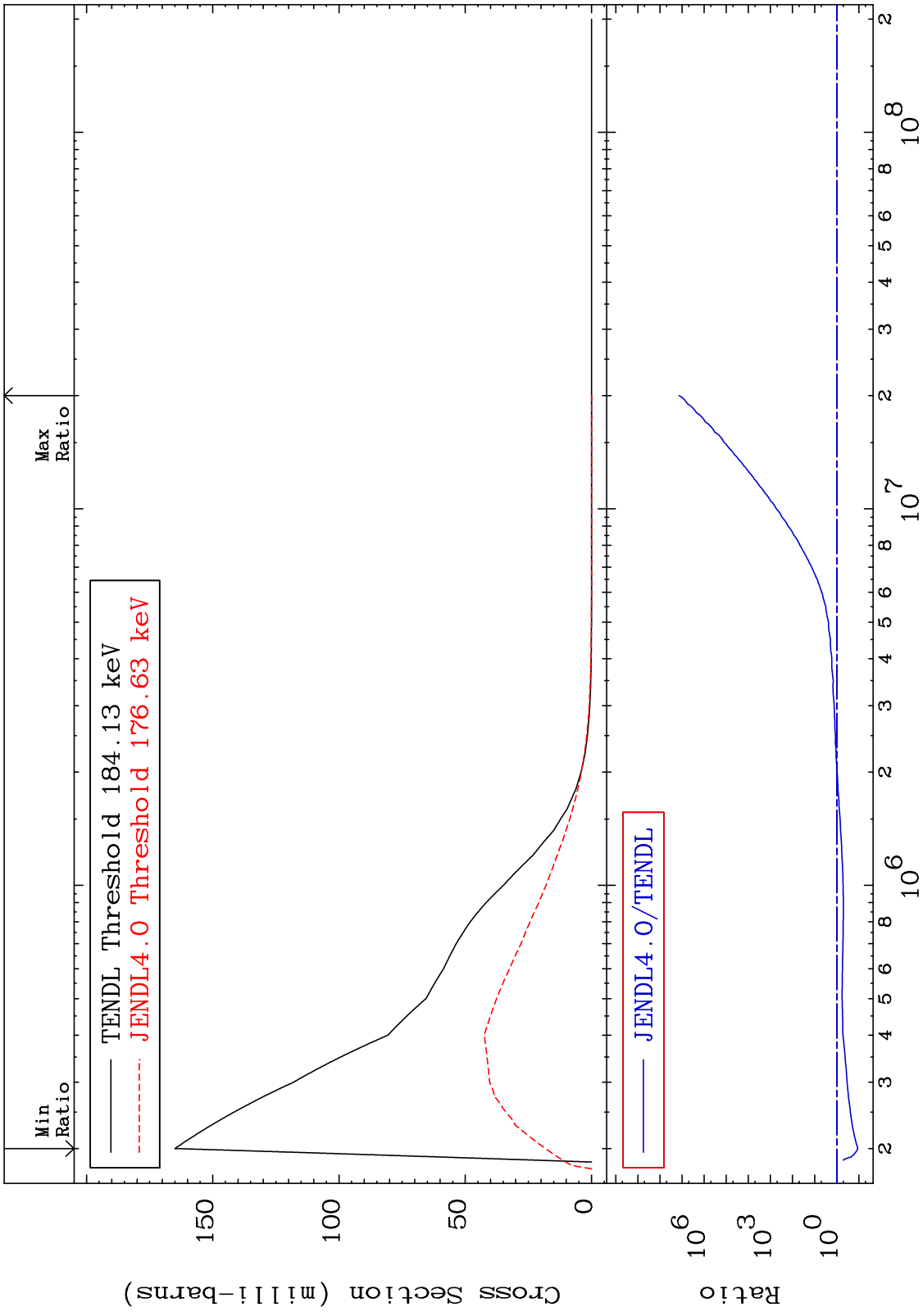
MAT 6334 MT= 66 (n,n') Level Cross Section 63-Eu-154 -98.93 To -34.24%



MAT 6334 MT= 67 (n,n') Level Cross Section 63-Eu-154
 -99.25 To 2666. %



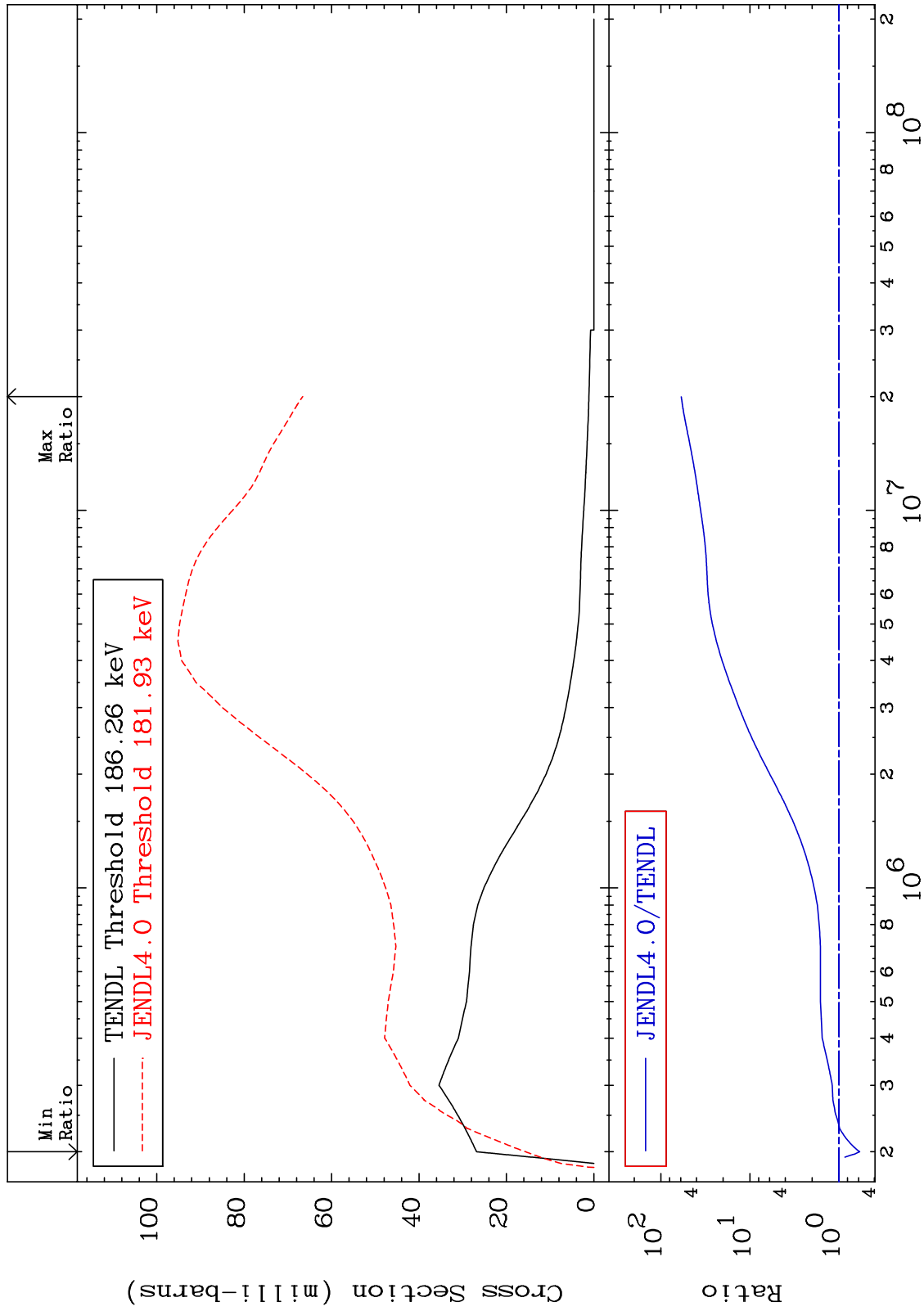
MAT 6334 MT= 68 (n,n') Level Cross Section 63-Eu-154
 -88.92 To 9999. %



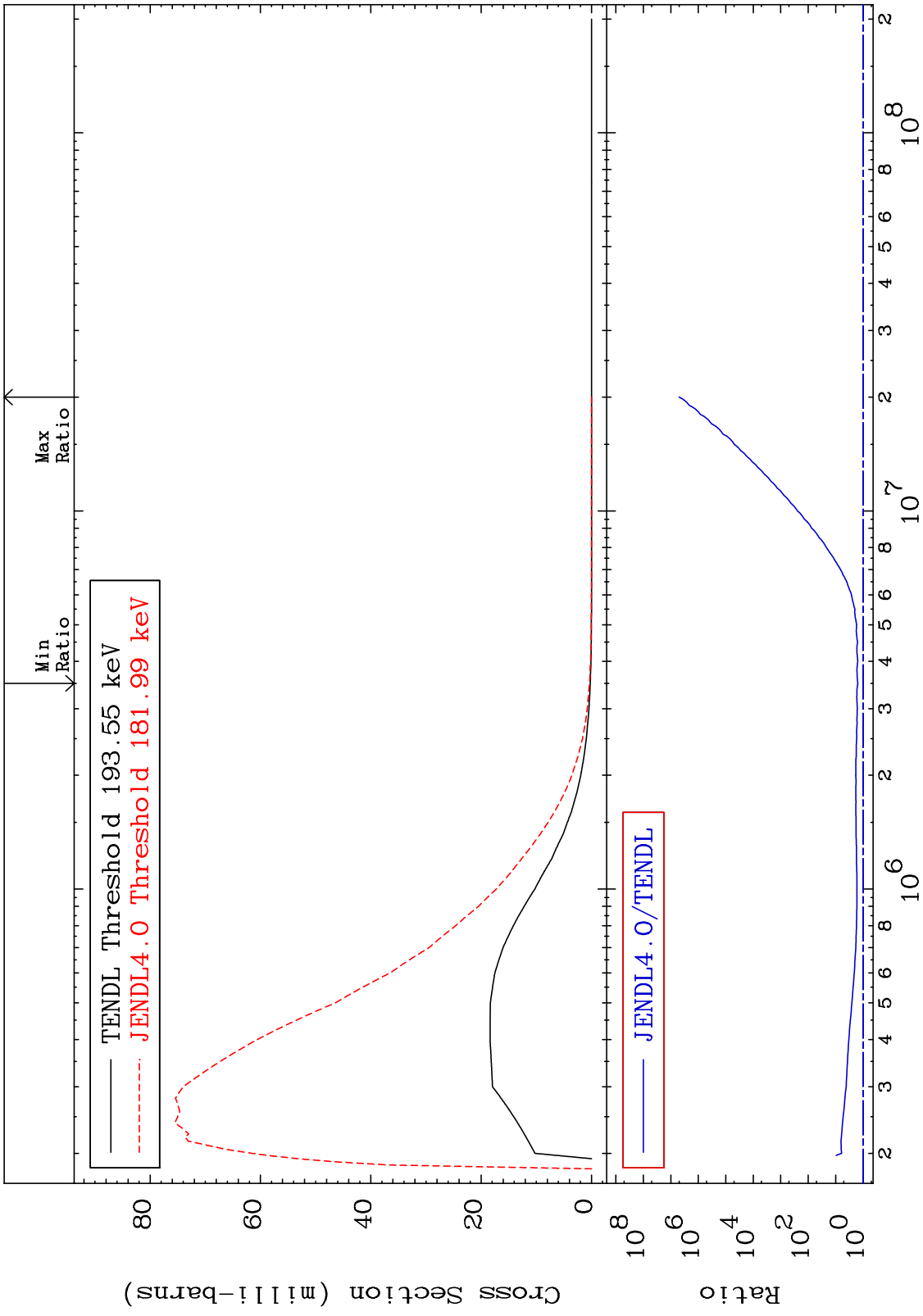
MAT 6334

MT= 69 (n,n') Level
Cross Section

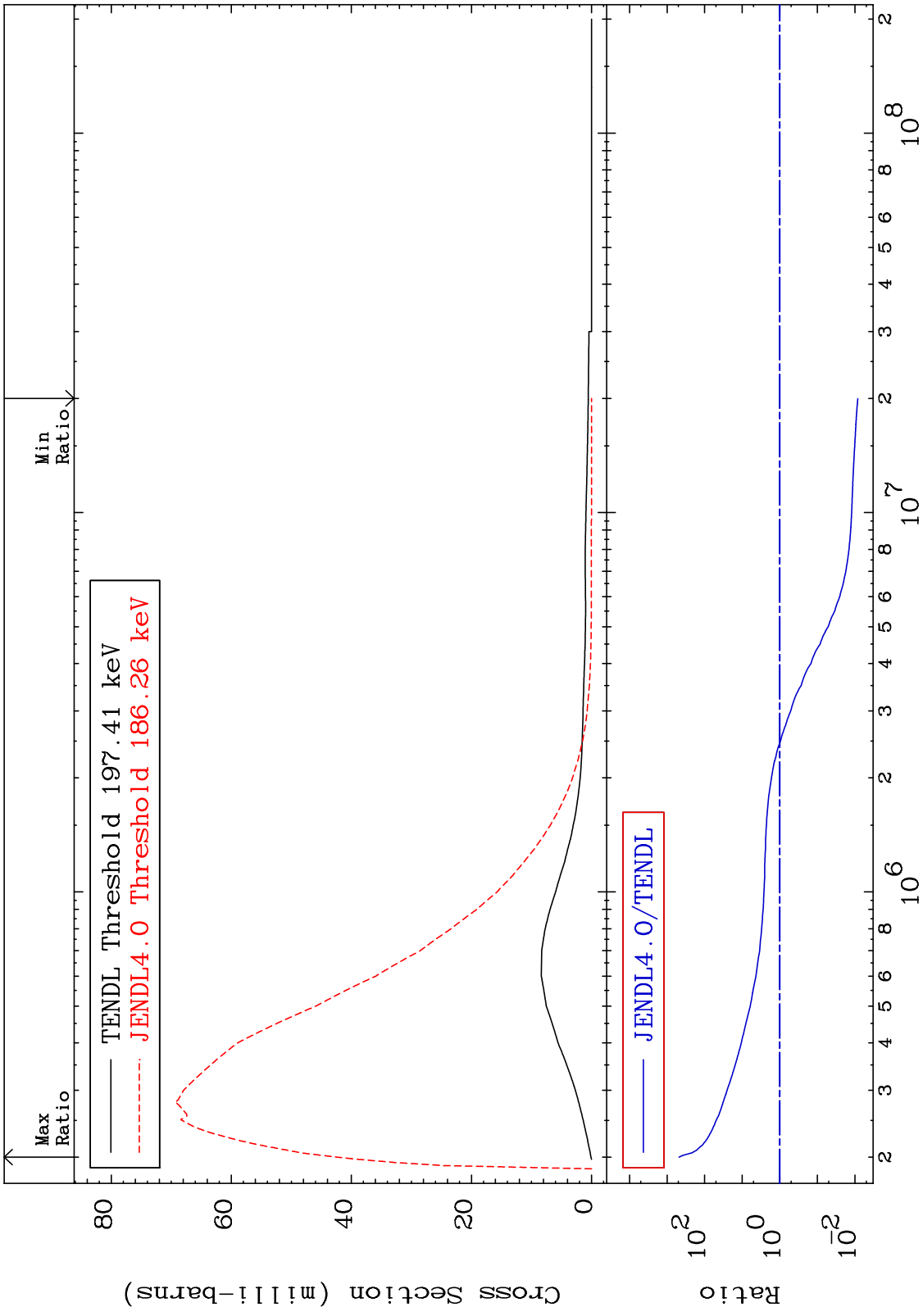
63-Eu-154
-41.74 To 5818. %



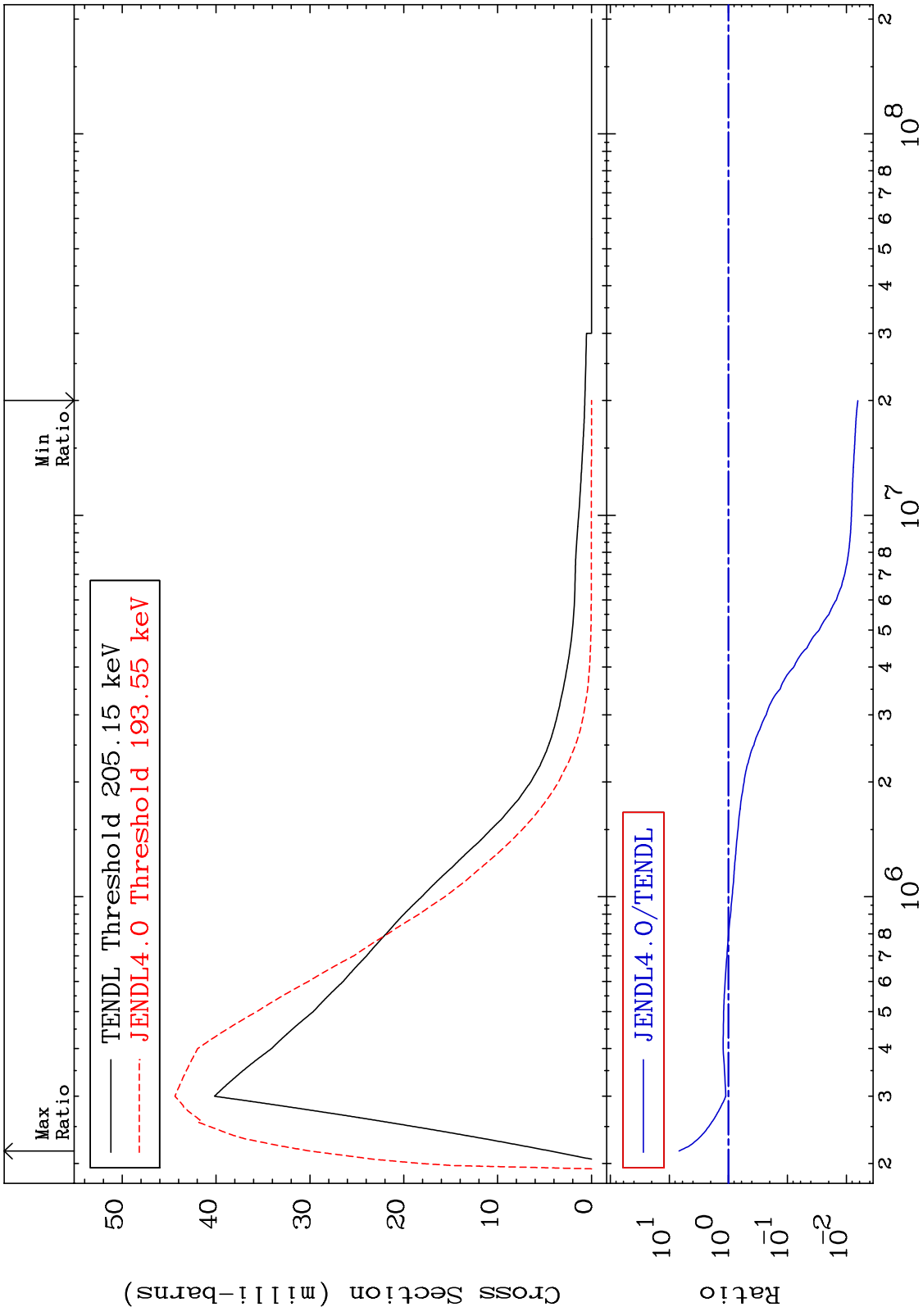
MAT 6334 MT= 70 (n,n') Level Cross Section 63-Eu-154 55.07 To 9999. %



MAT 6334 MT= 71 (n,n') Level Cross Section 63-Eu-154
 -99.16 To 9999. %



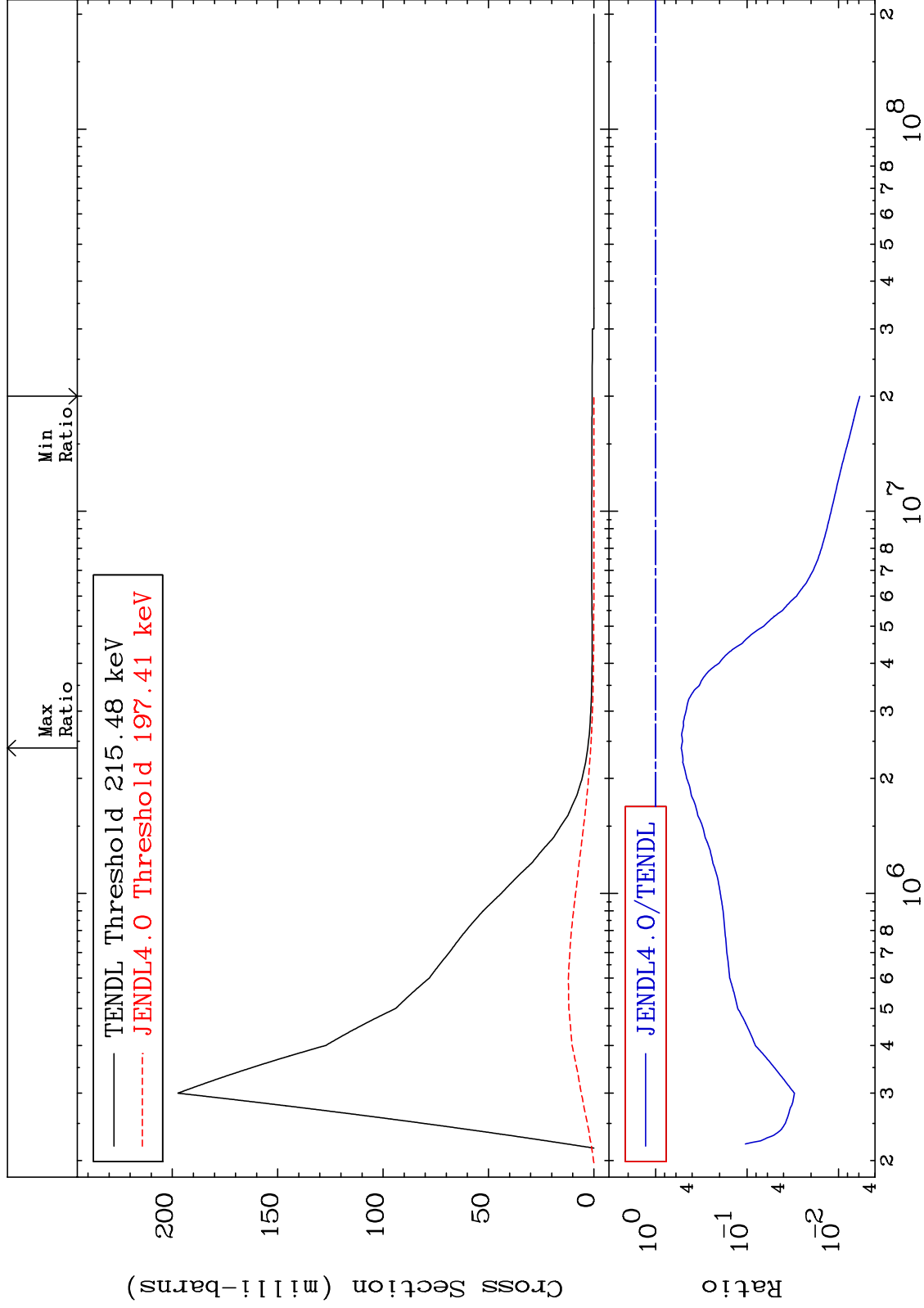
MAT 6334 MT= 72 (n,n') Level Cross Section 63-Eu-154
 -99.36 To 585.7 %



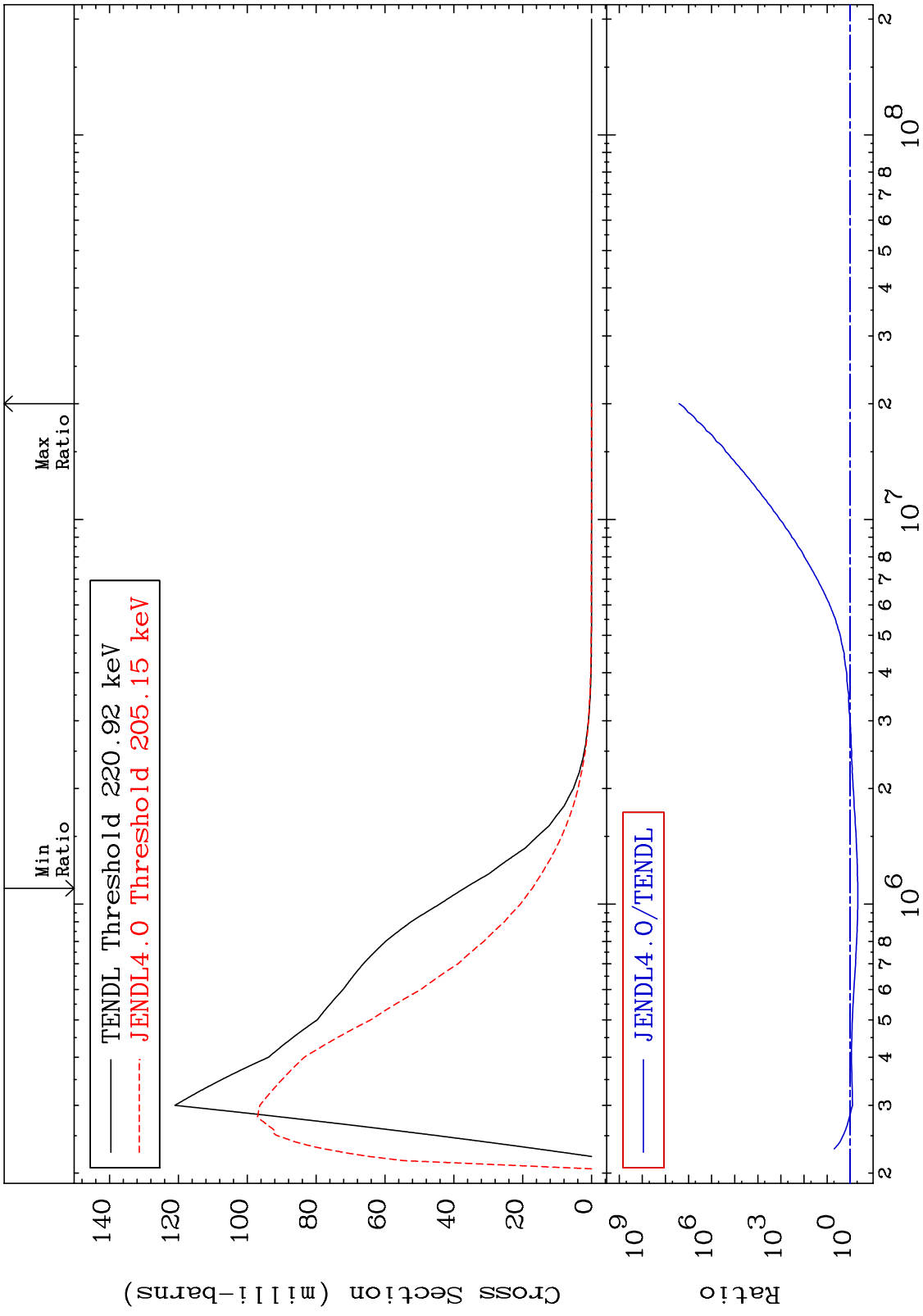
MAT 6334

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

63-Eu-154
-99.41 To -47.47%



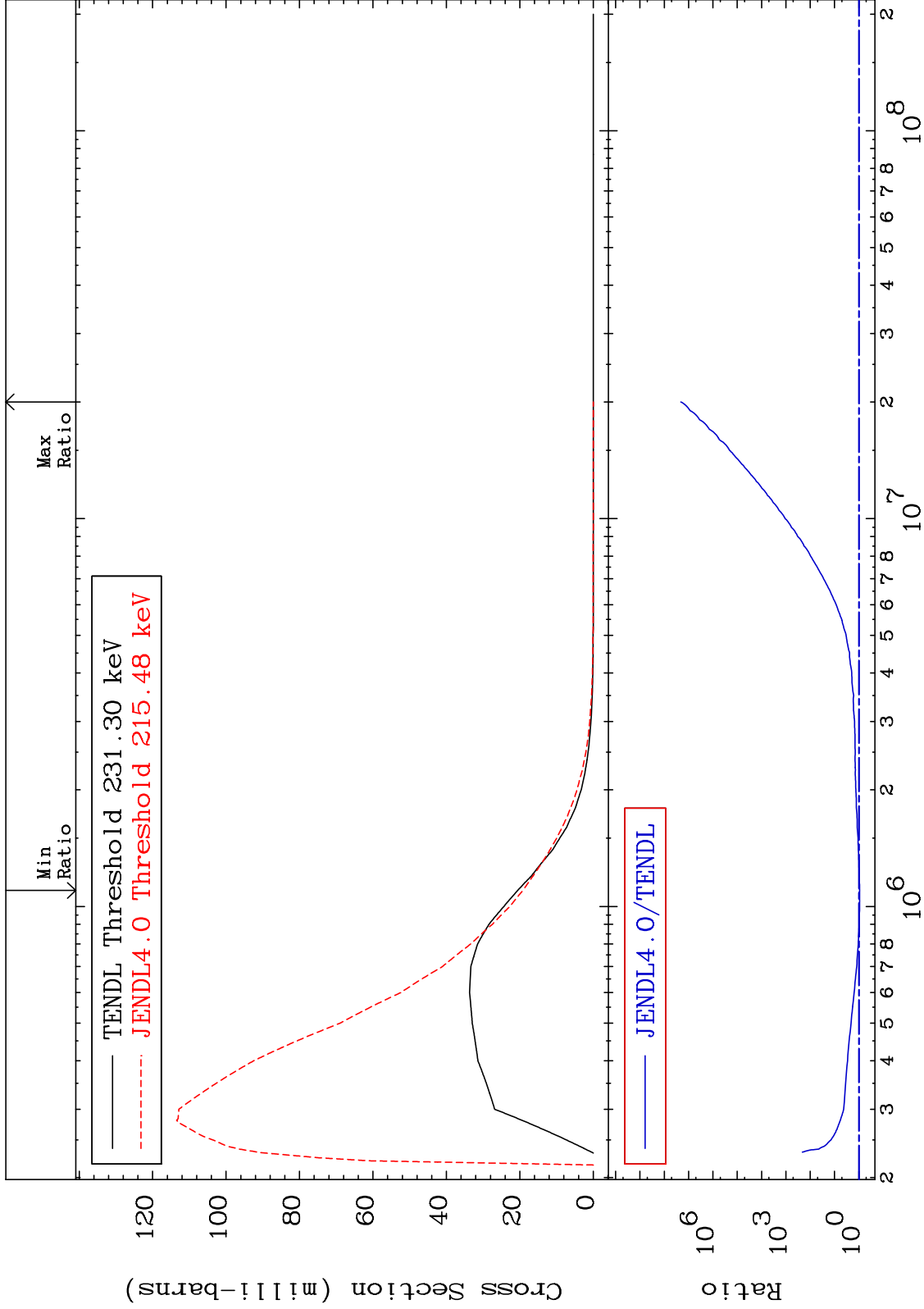
MAT 6334 MT= 74 (n,n') Level Cross Section 63-Eu-154
 -53.44 To 9999. %



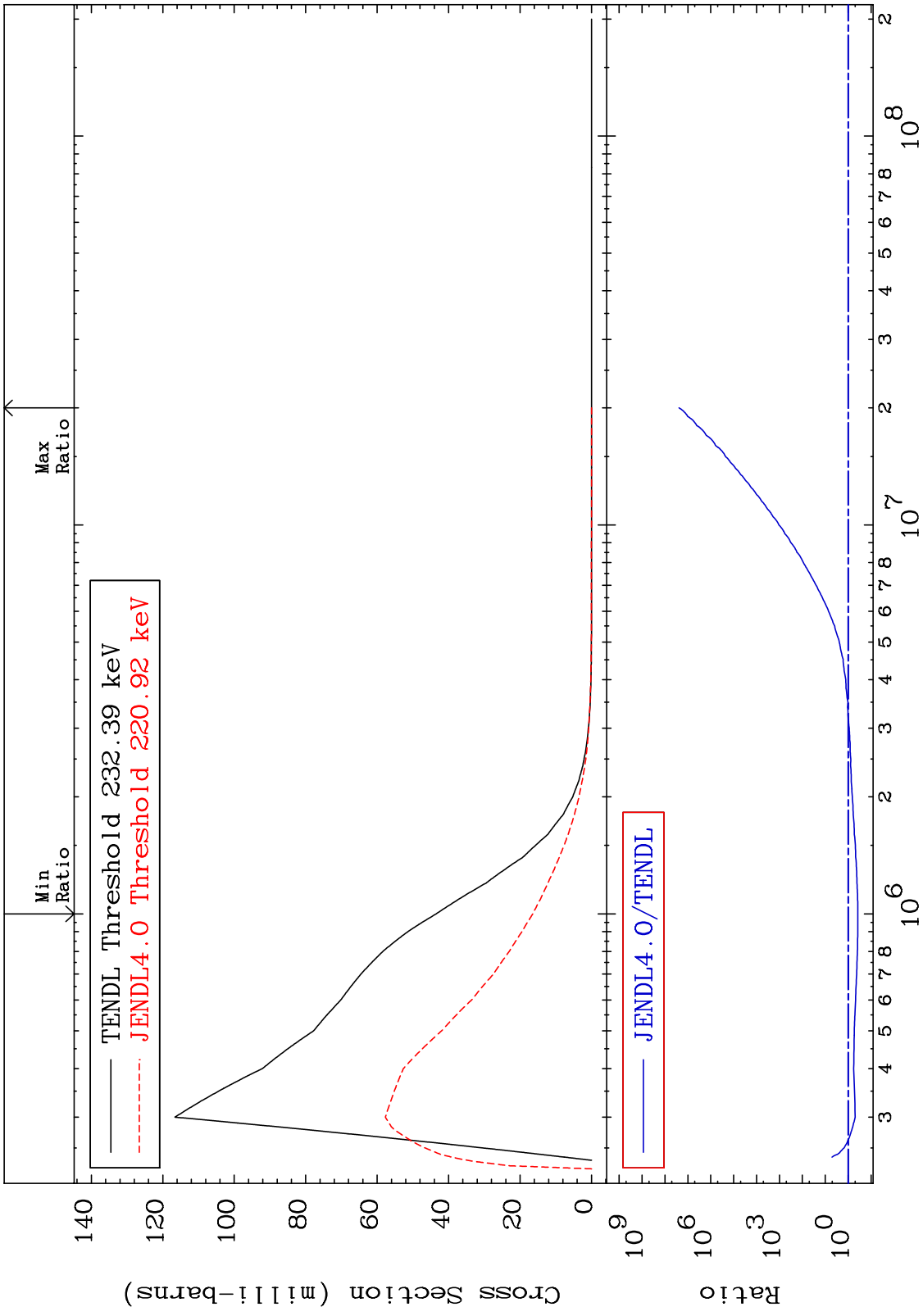
MAT 6334

MT= 75 (n,n') Level
Cross Section

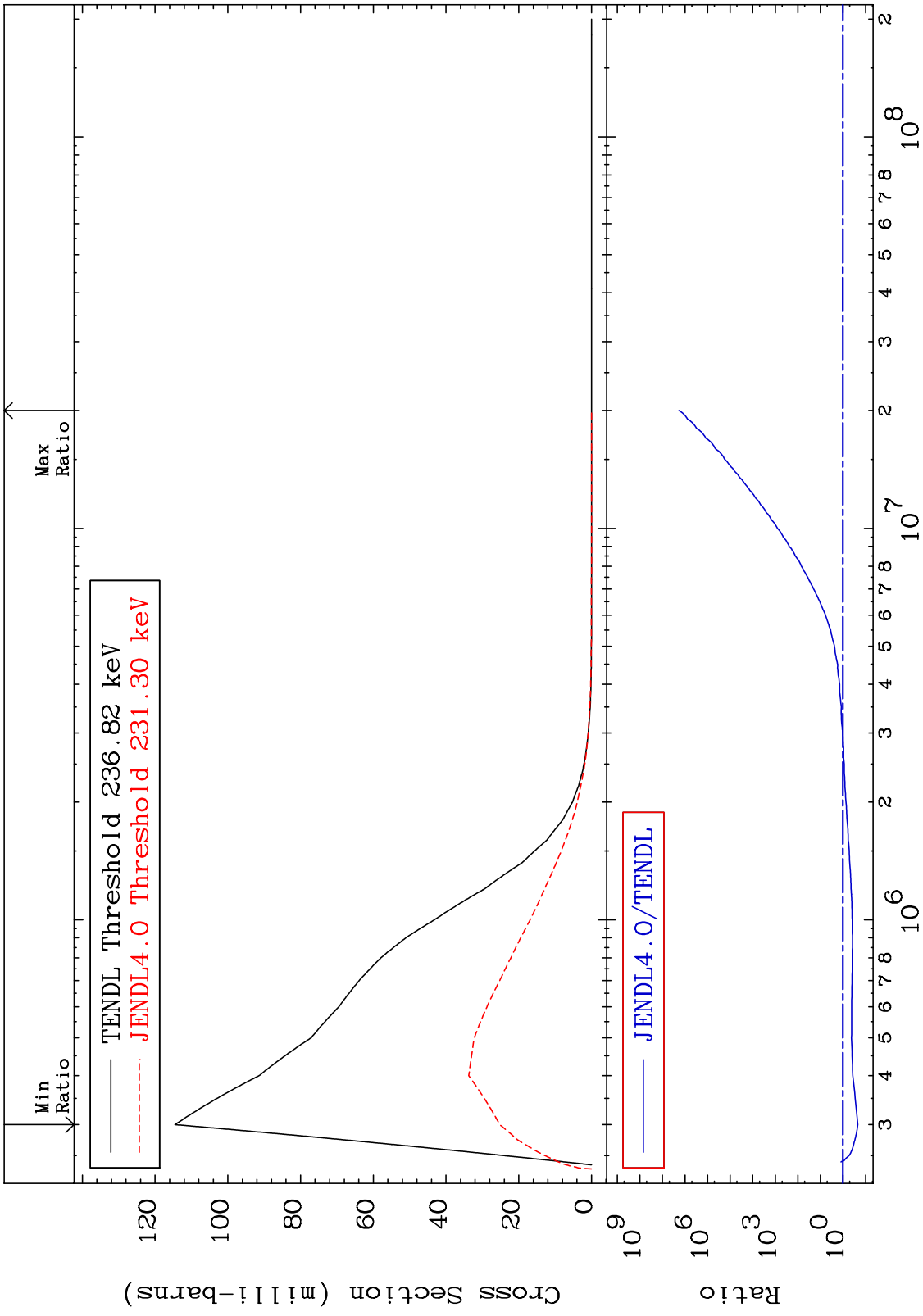
63-Eu-154
-6.891 To 9999. %



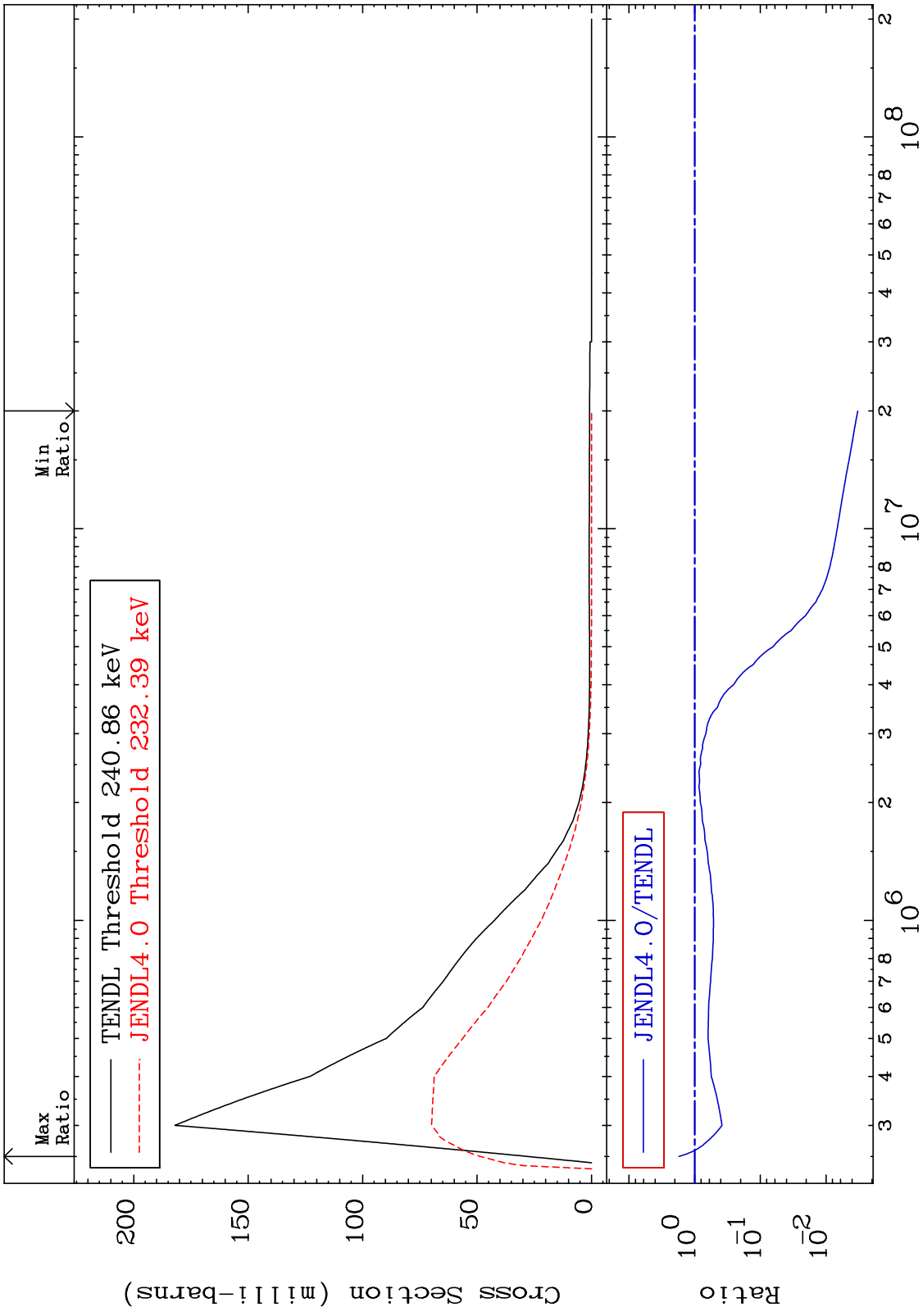
MAT 6334 MT= 76 (n,n') Level Cross Section 63-Eu-154 -62.18 To 9999. %



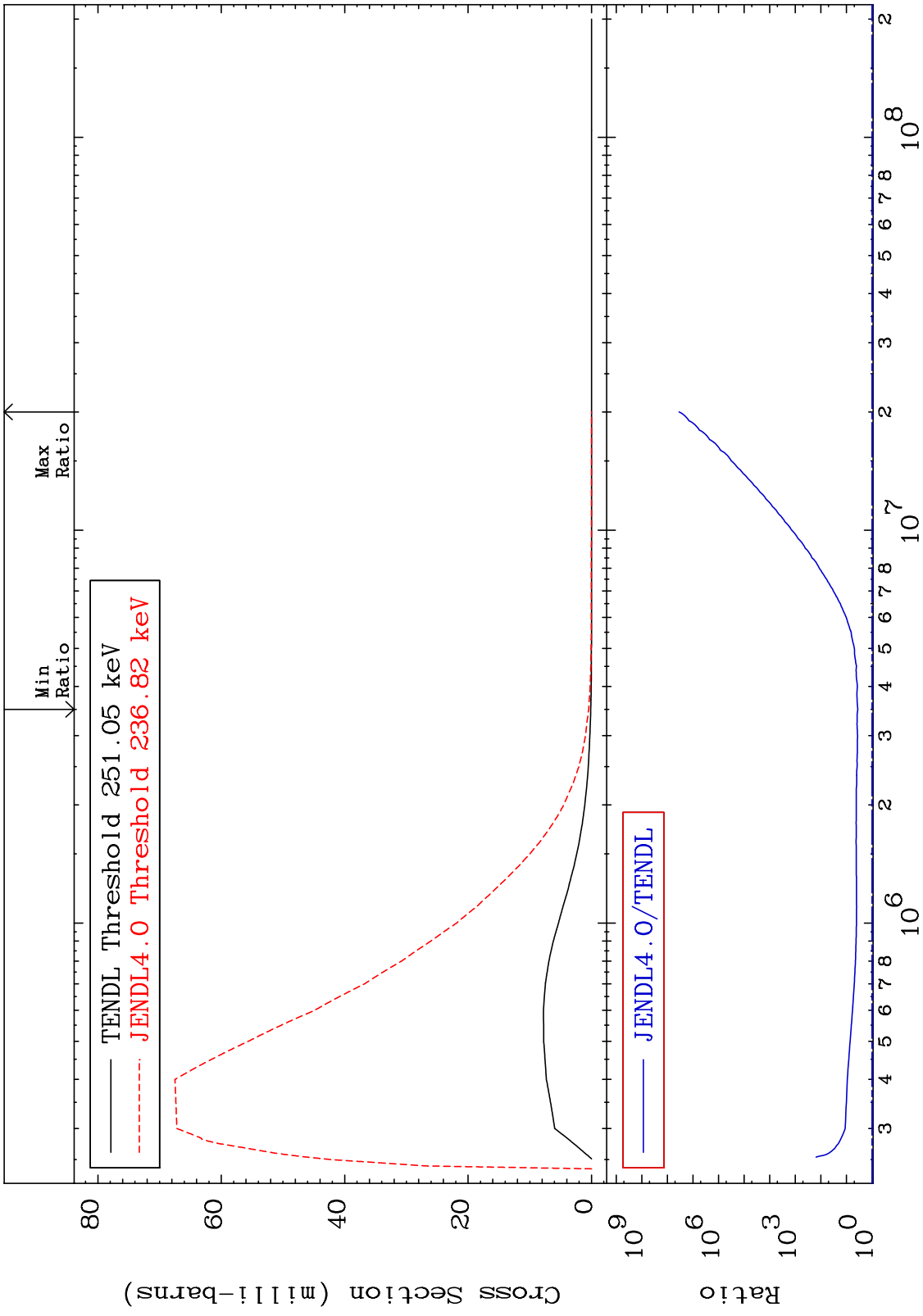
MAT 6334 MT= 77 (n,n') Level Cross Section 63-Eu-154
 -77.97 To 9999. %



MAT 6334 MT= 78 (n,n') Level Cross Section 63-Eu-154
 -99.67 To 73.10 %

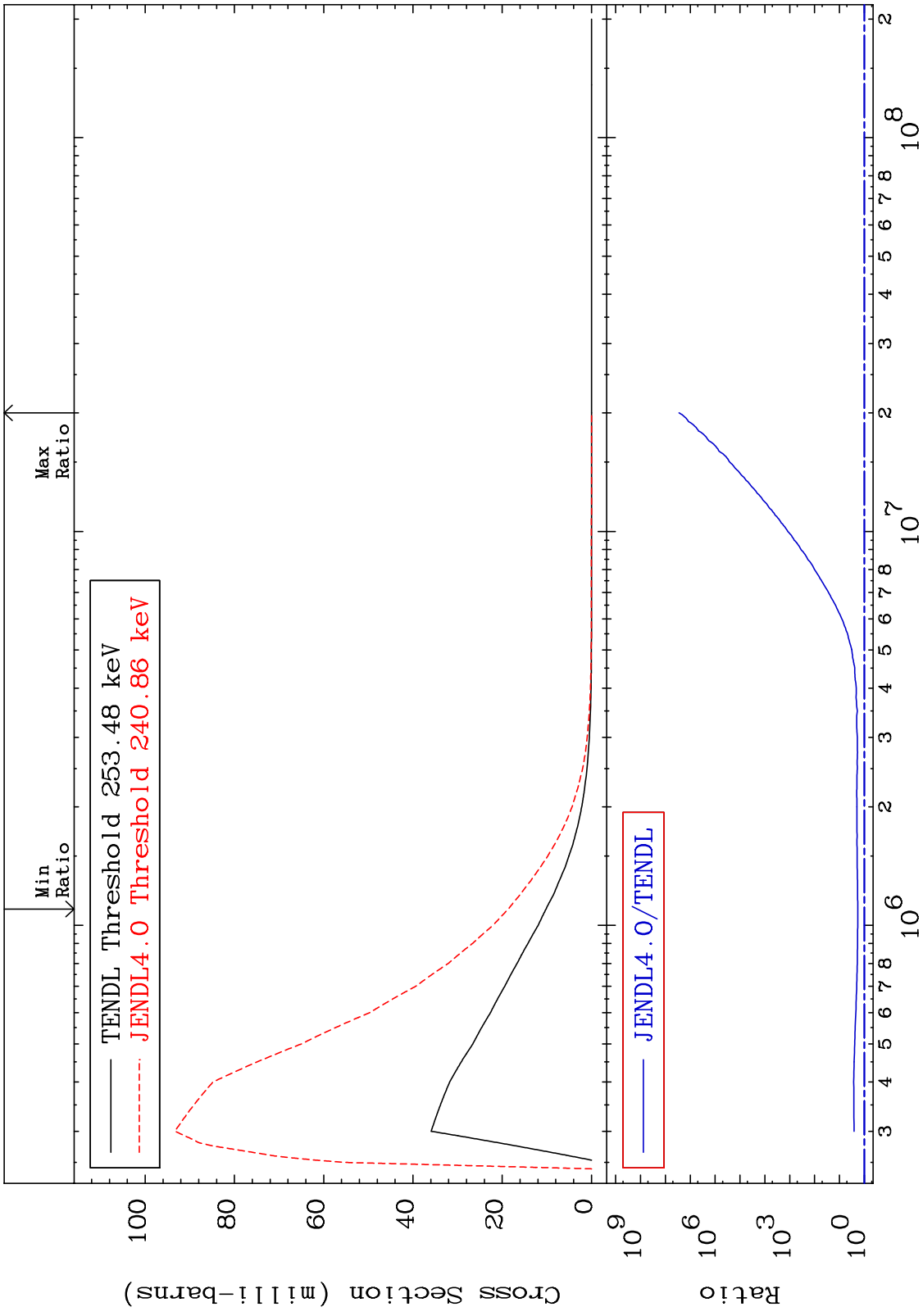


MAT 6334 MT= 79 (n,n') Level Cross Section 63-Eu-154 260.1 To 9999. %

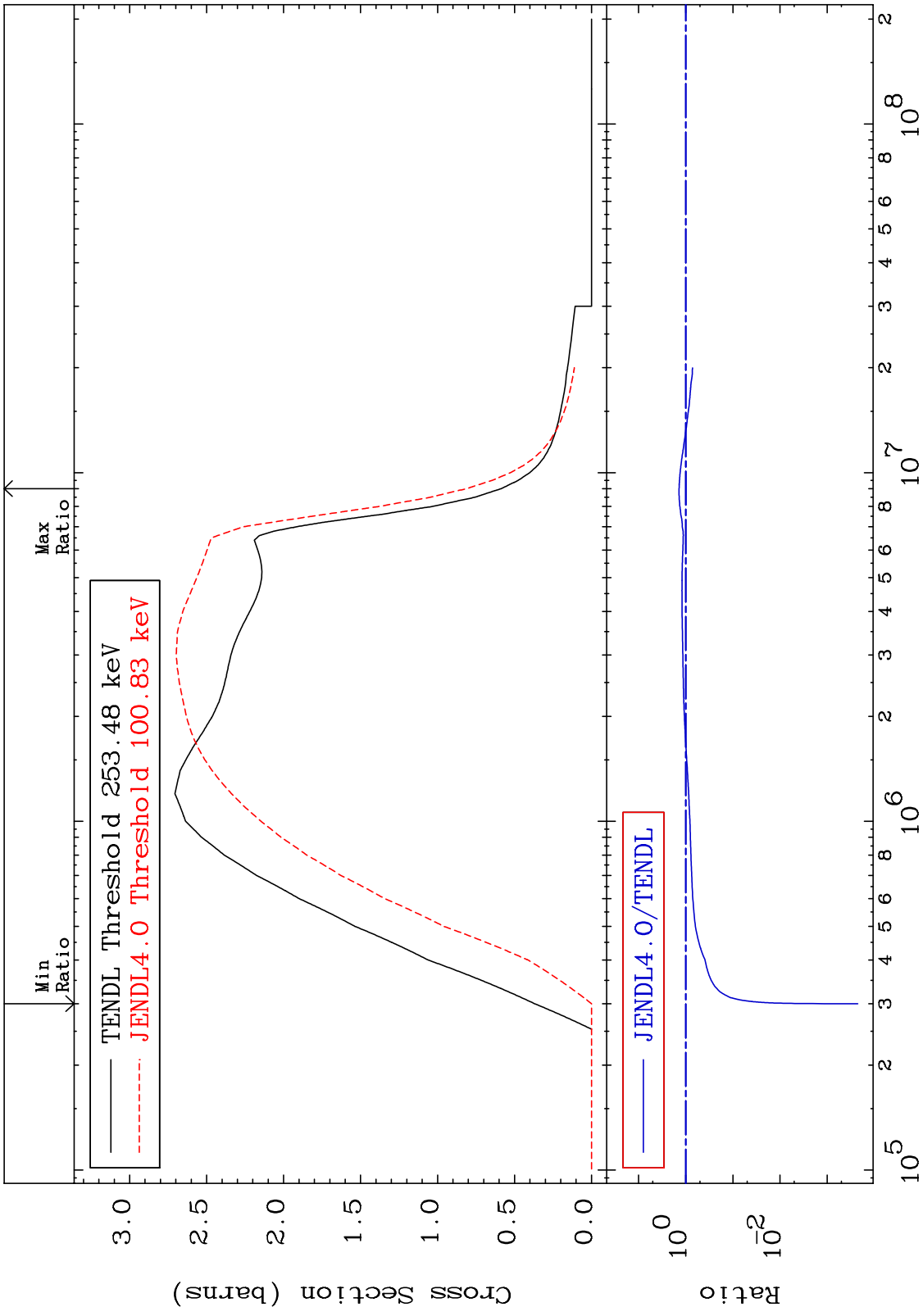


40 Incident Energy (eV) 63-Eu-154

MAT 6334 MT= 80 (n,n') Level Cross Section 63-Eu-154 82.63 To 9999. %



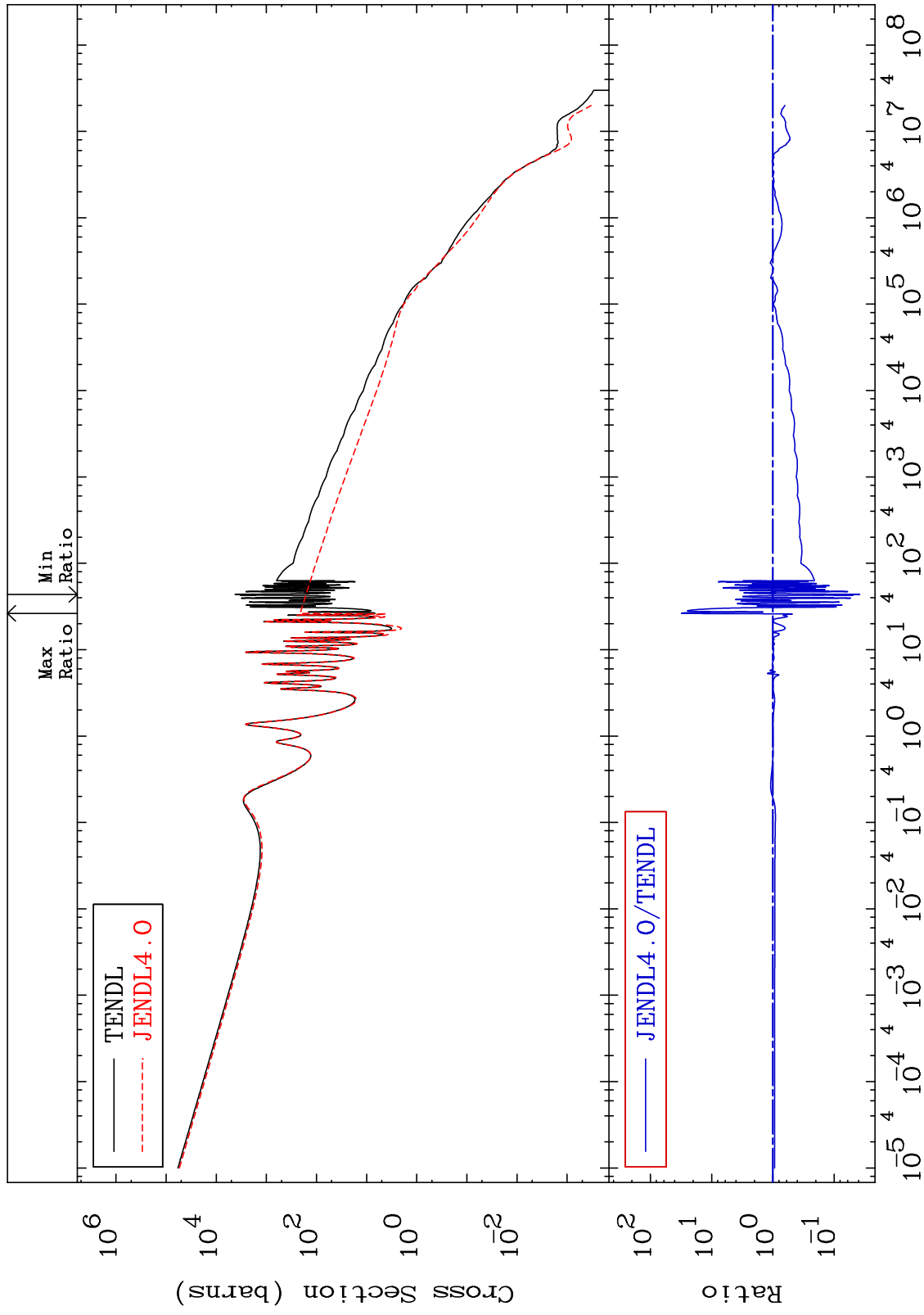
MAT 6334 (n, n') Continuum Cross Section 63-Eu-154 -99.98 To 38.43 %



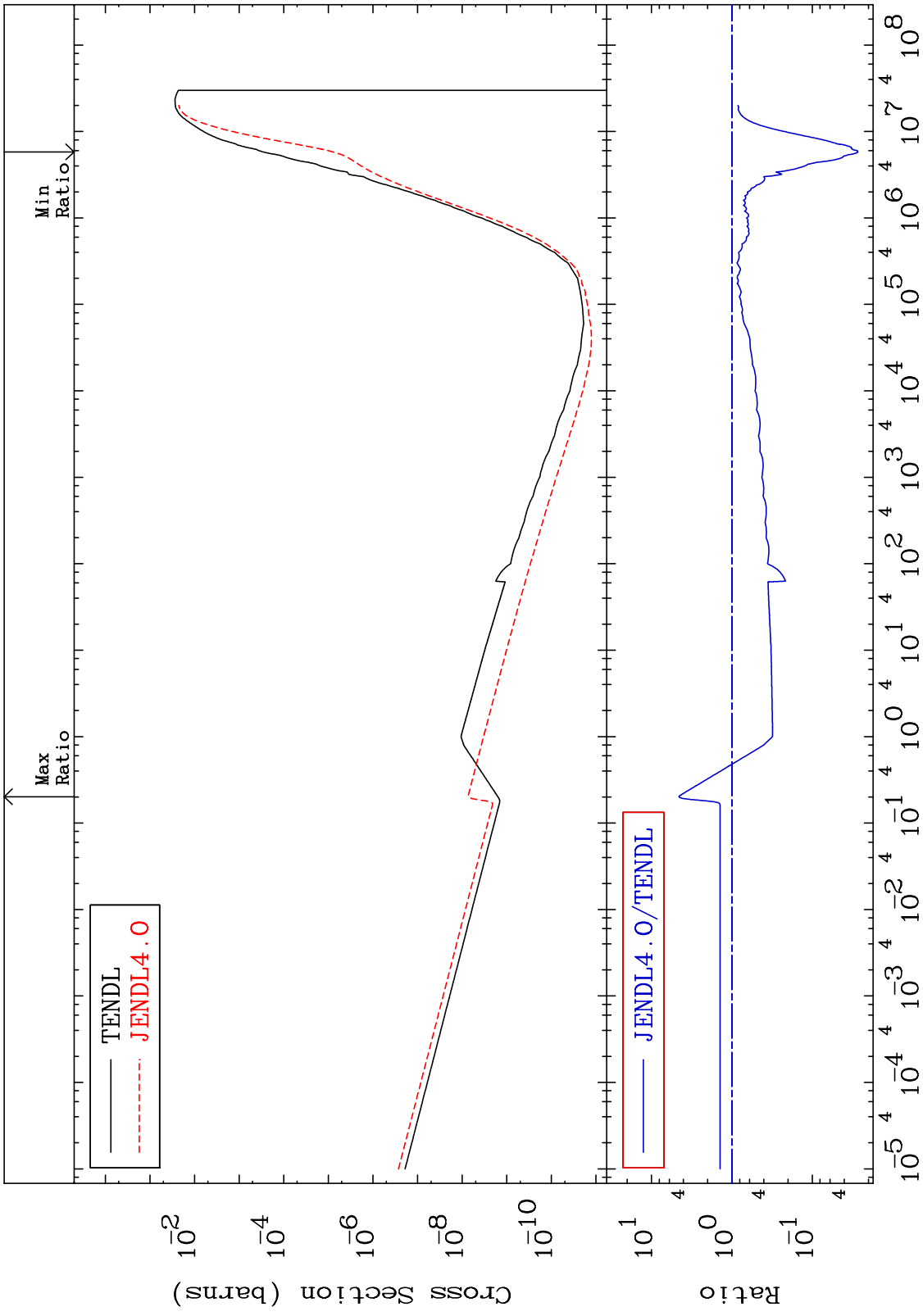
MAT 6334

(n, γ)
Cross Section

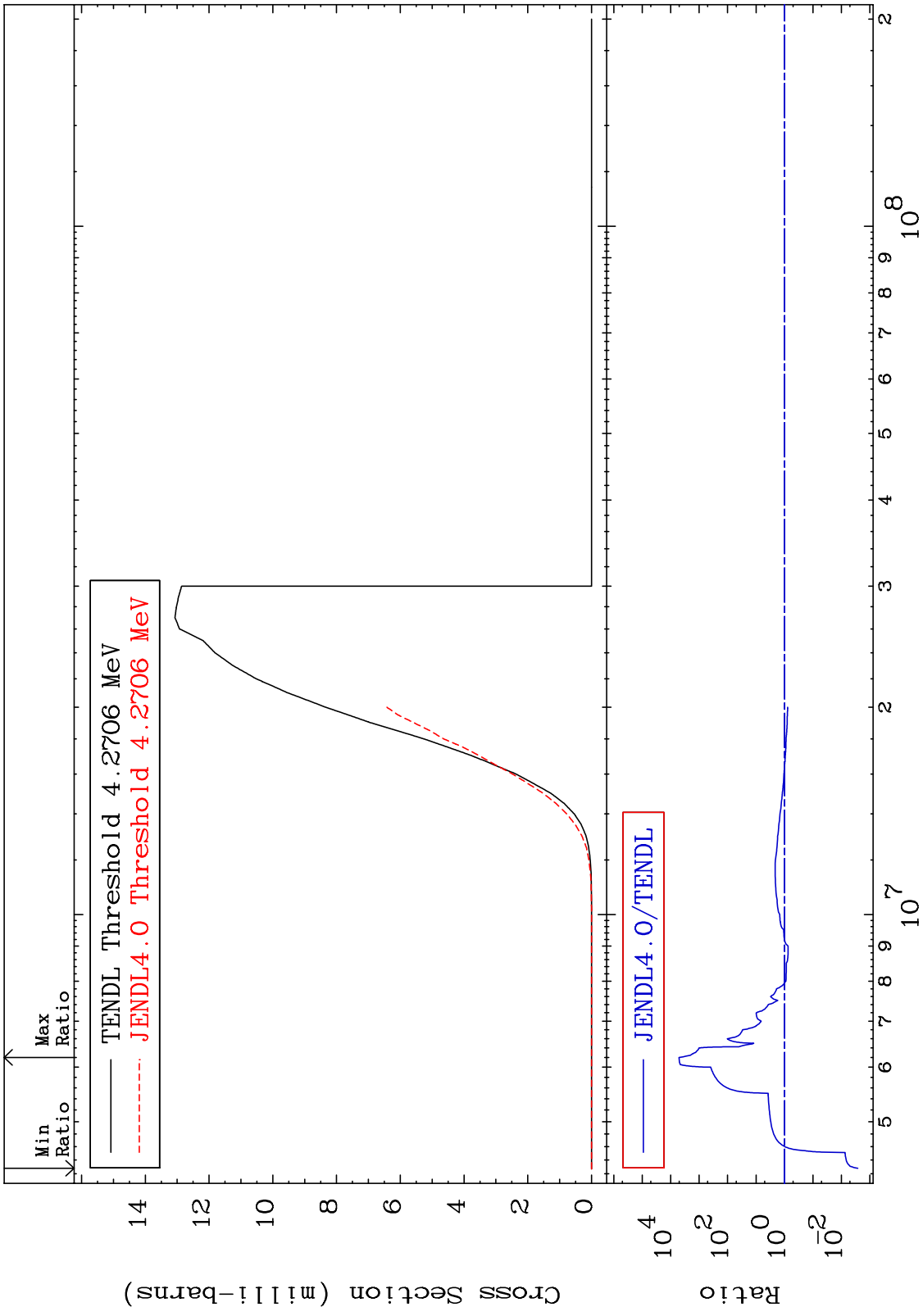
63-Eu-154
-96.17 To 3032. %



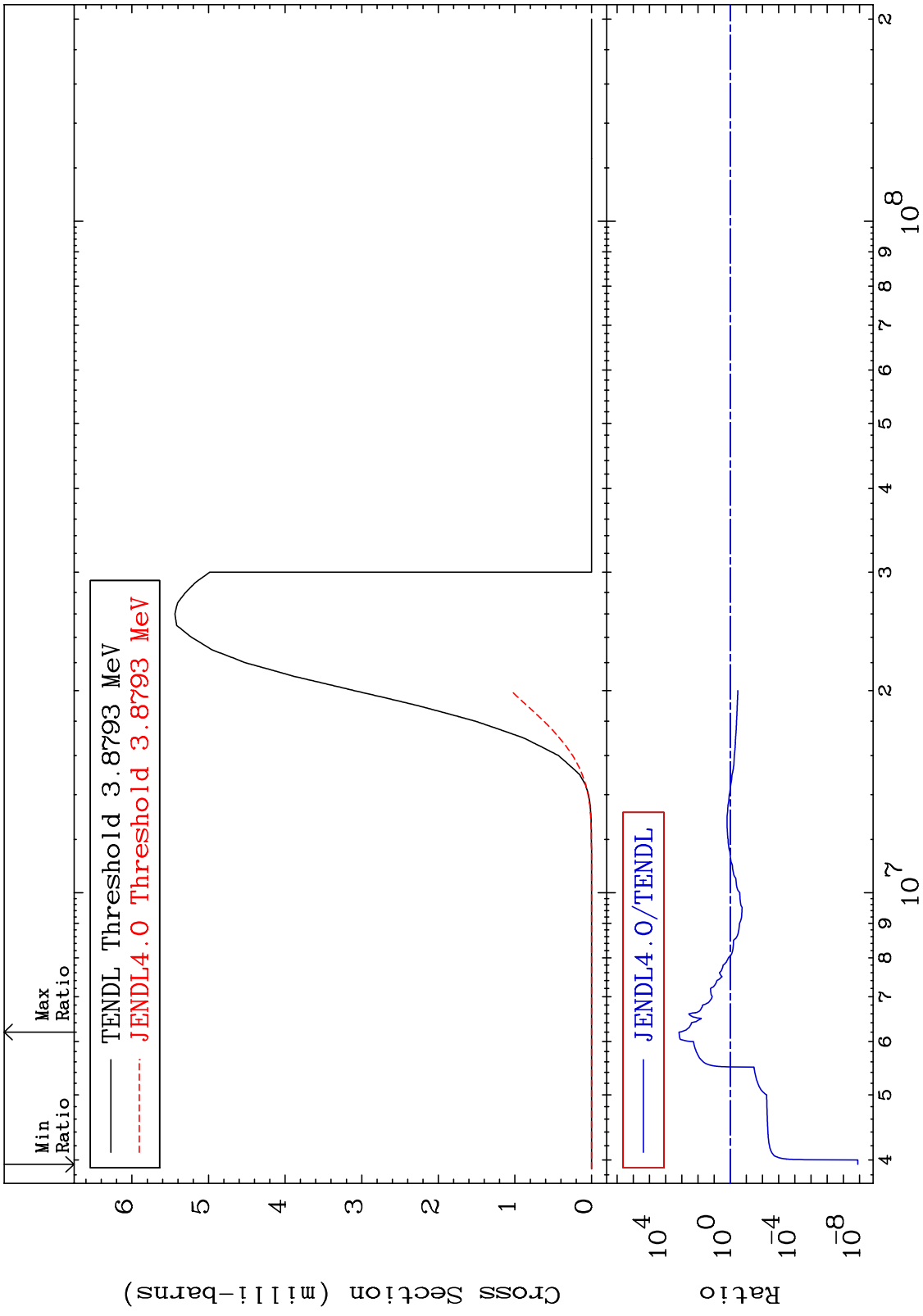
MAT 6334 (n,p) Cross Section 63-Eu-154 -97.29 To 353.8 %

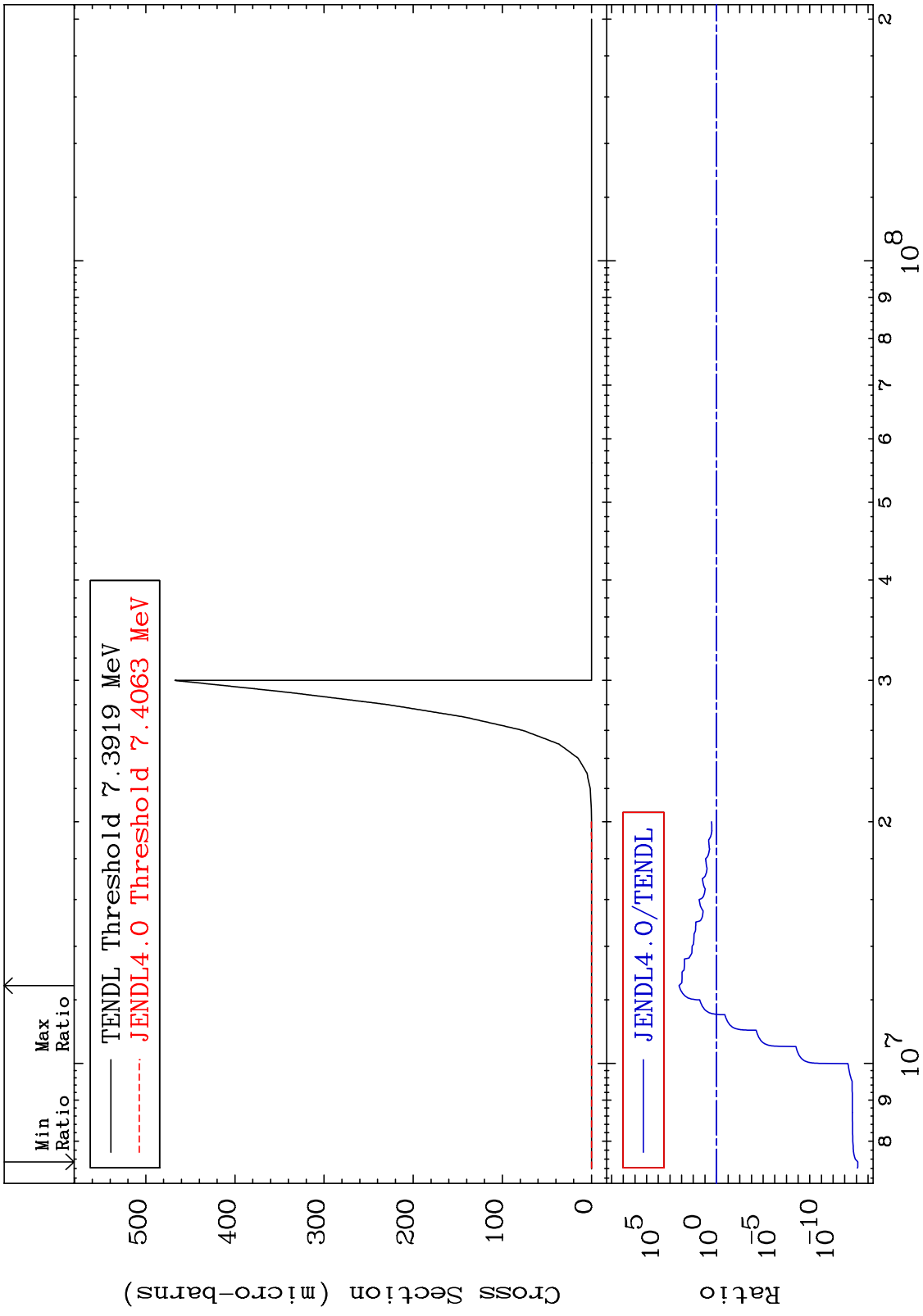


MAT 6334 (n,d) 63-Eu-154
 Cross Section -99.74 To 9999. %



MAT 6334 63-Eu-154
 (n, t) -100.0 To 9999. %
 Cross Section





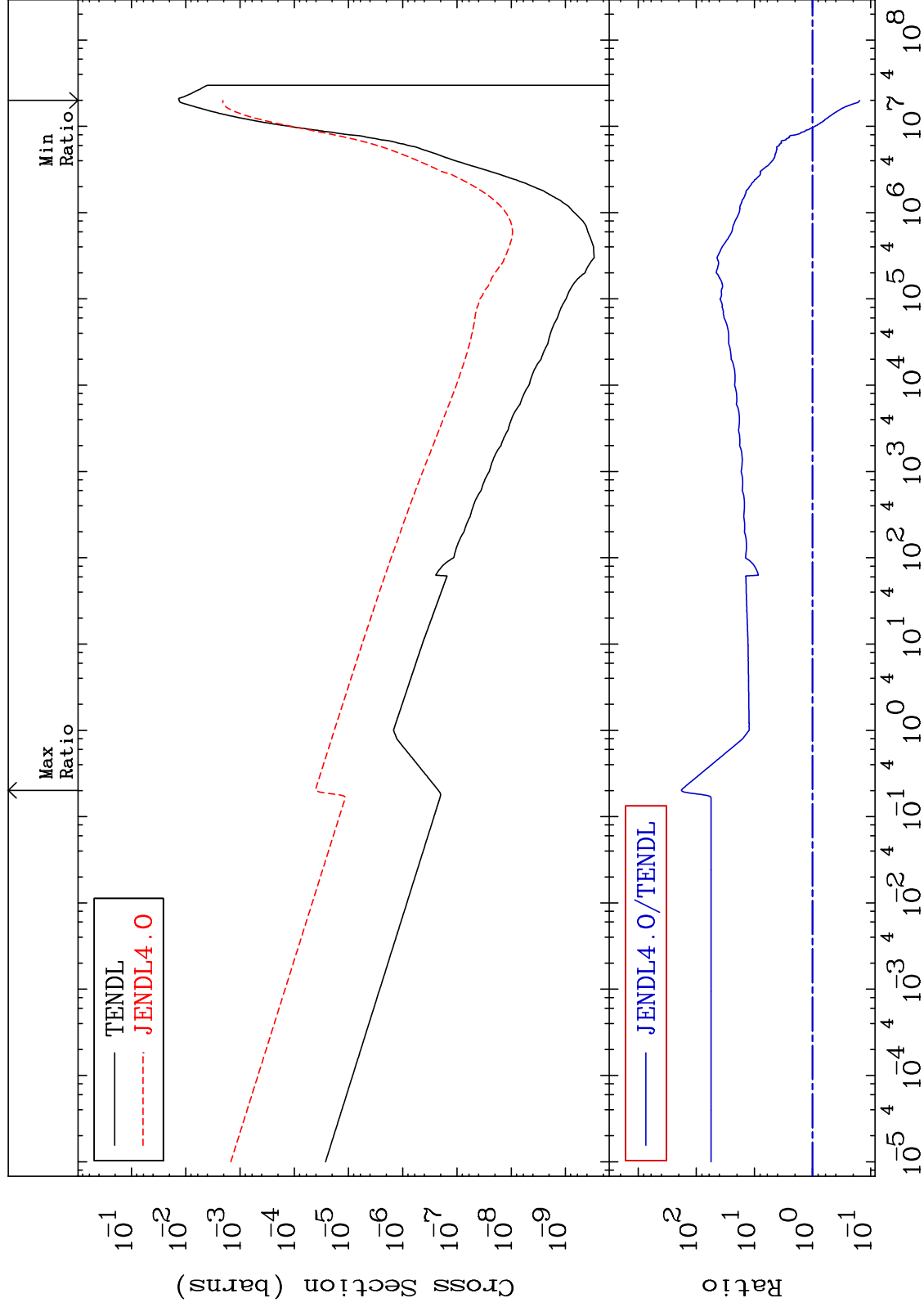
MAT 6334

(n, α)

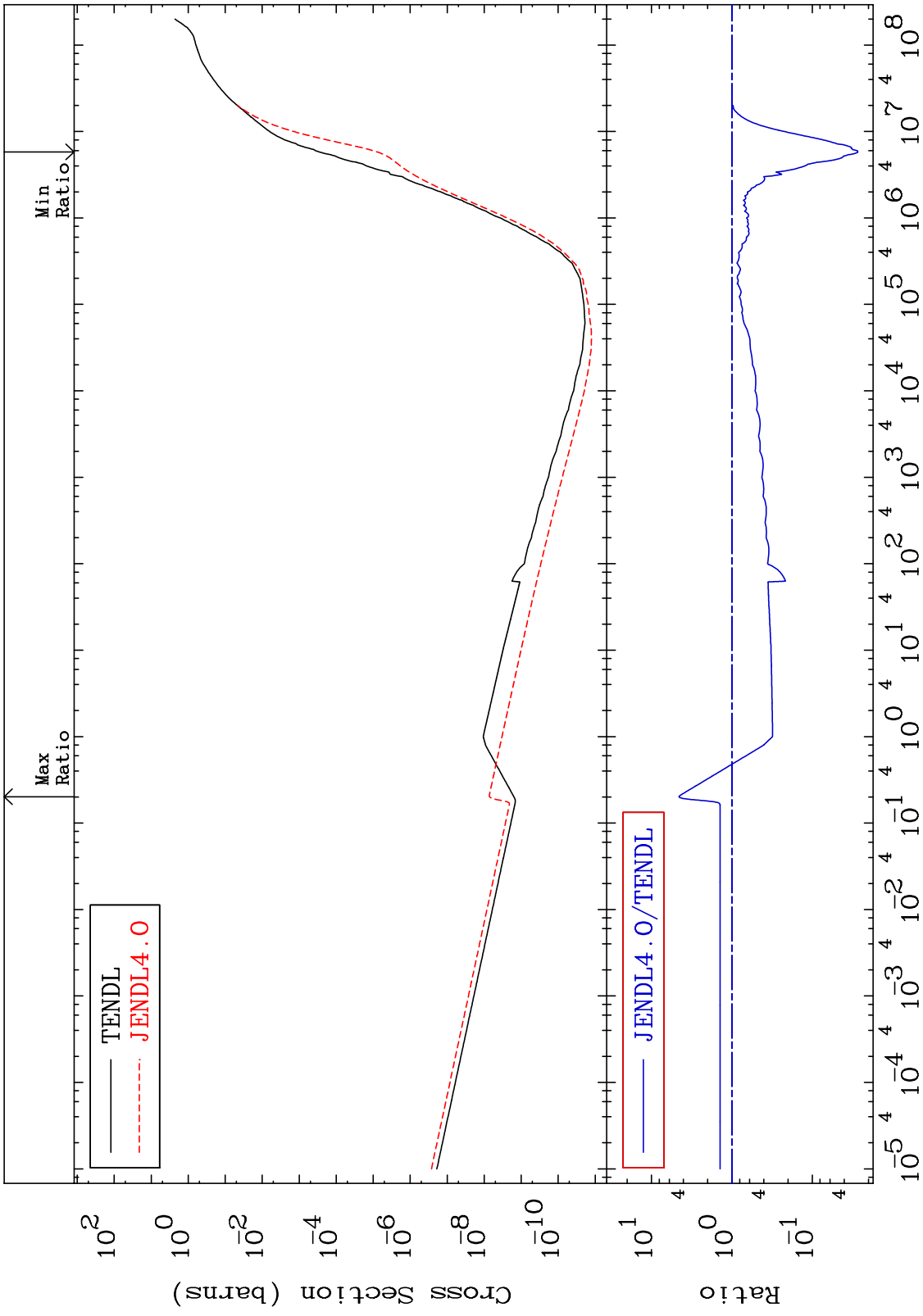
63-Eu-154

Cross Section

-84.62 To 9999. %



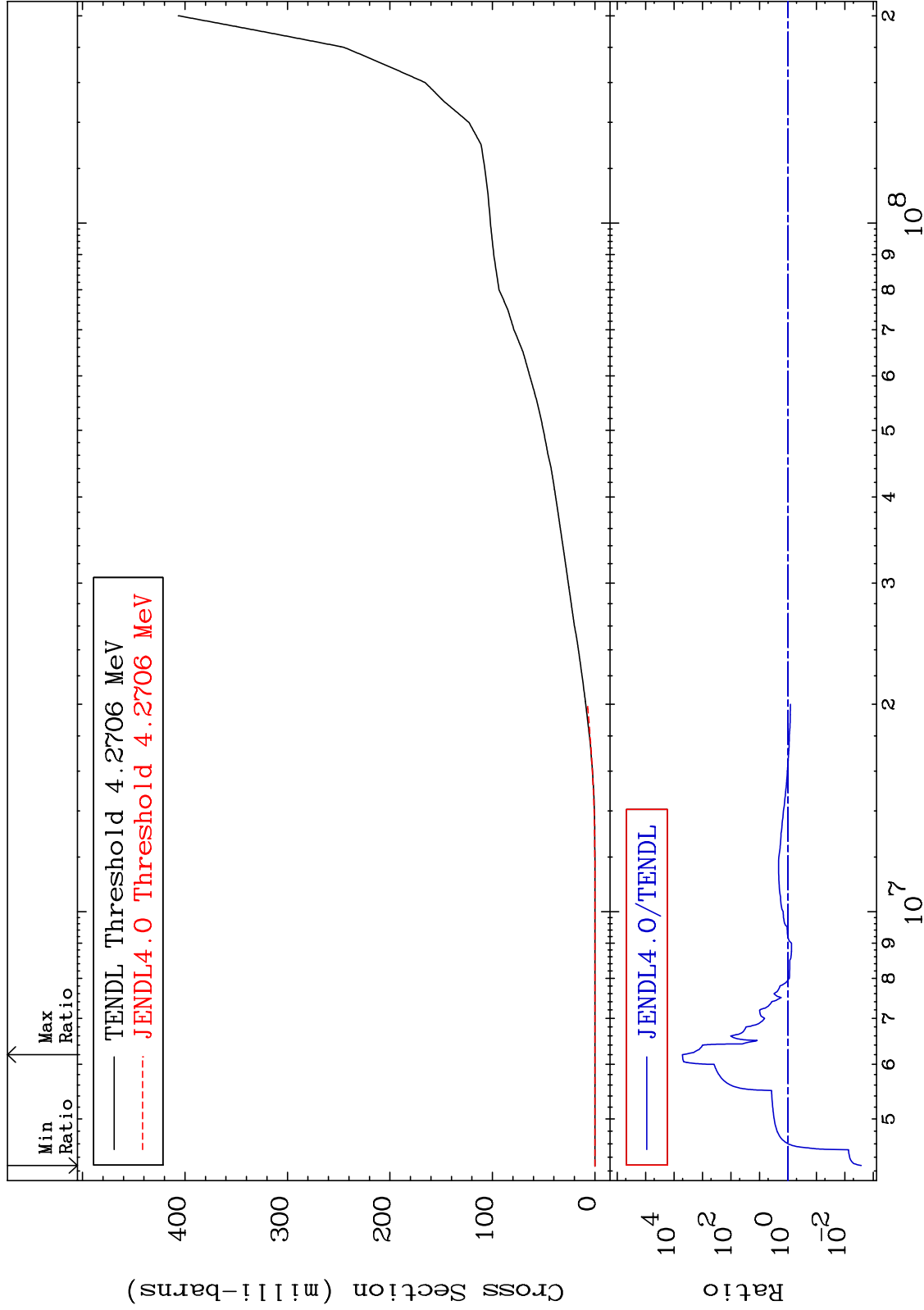
MAT 6334 Hydrogen Production Cross Section 63-Eu-154 -97.29 To 353.8 %



MAT 6334

Deuterium Production Cross Section

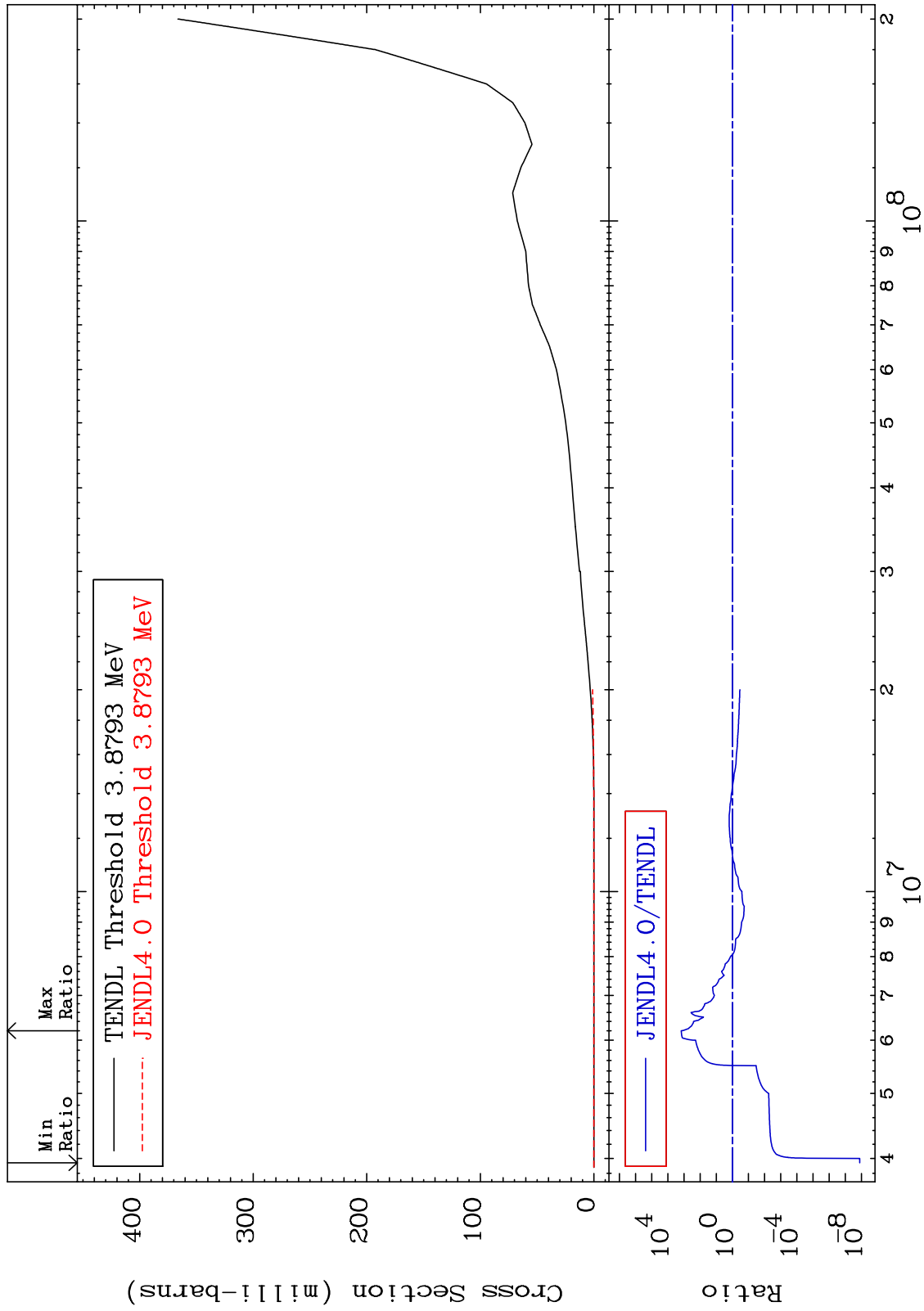
63-Eu-154
-99.74 To 9999. %



MAT 6334

Tritium Production
Cross Section

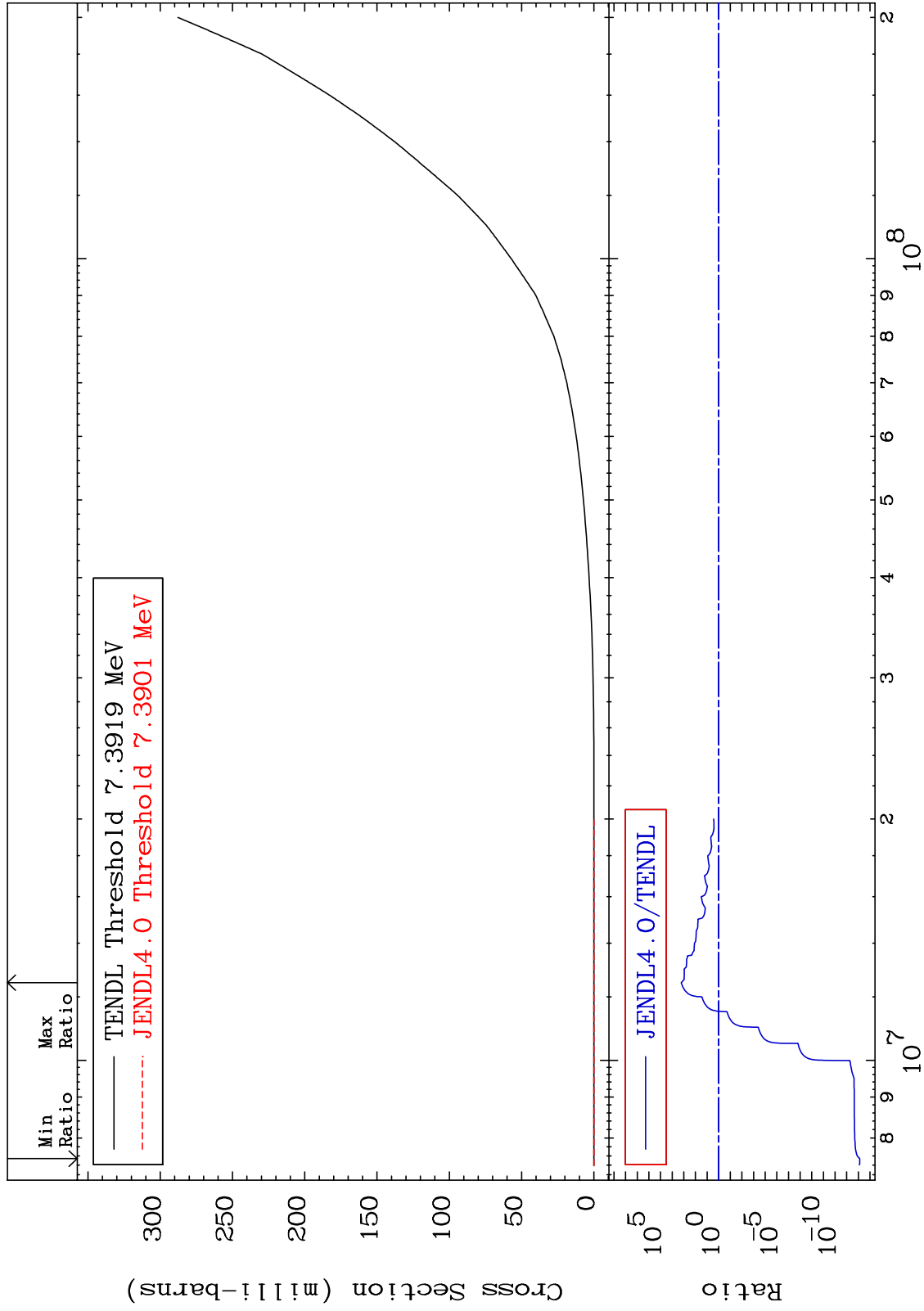
63-Eu-154
-100.0 To 9999. %



MAT 6334

He-3 Production
Cross Section

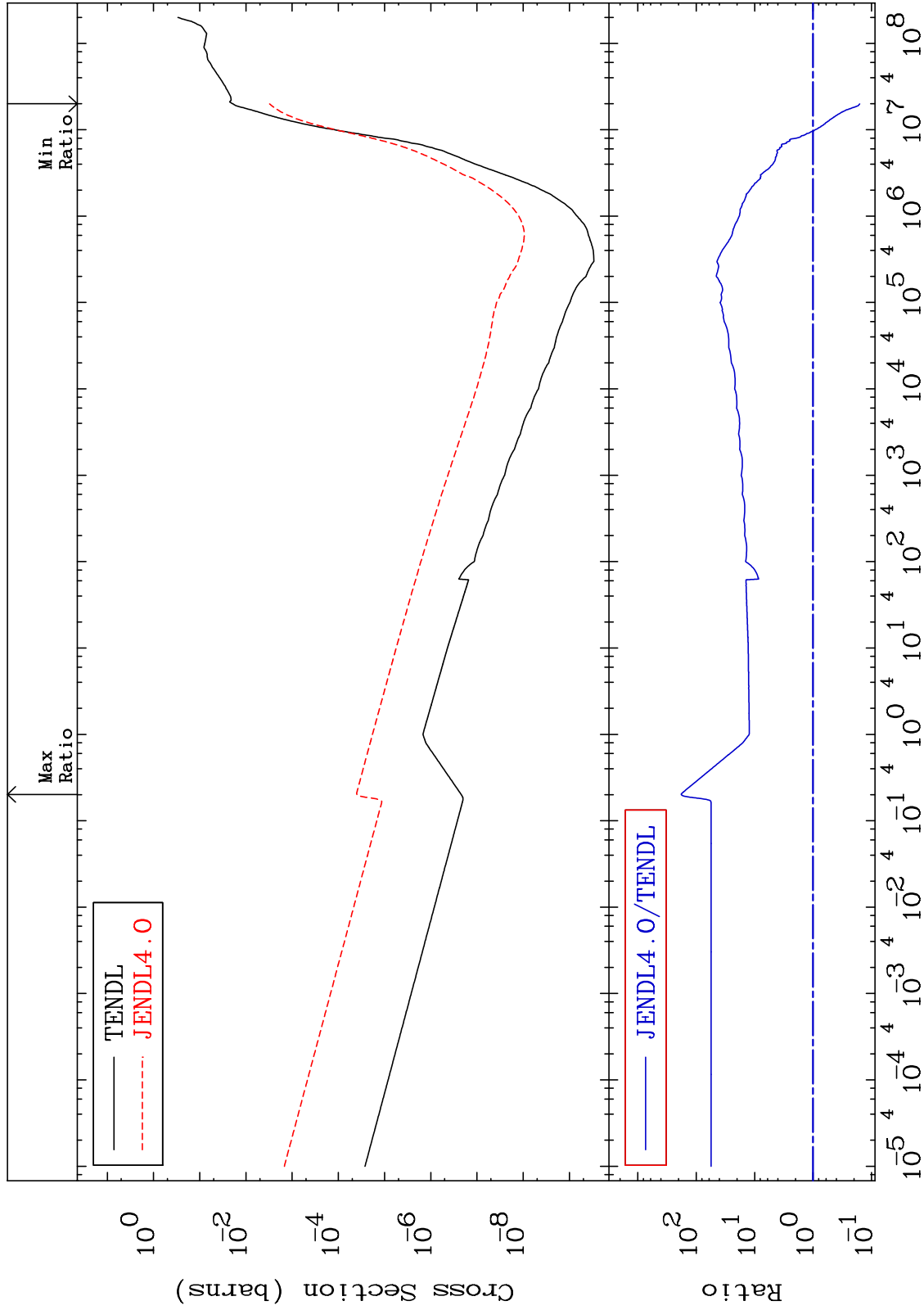
63-Eu-154
-100.0 To 9999. %



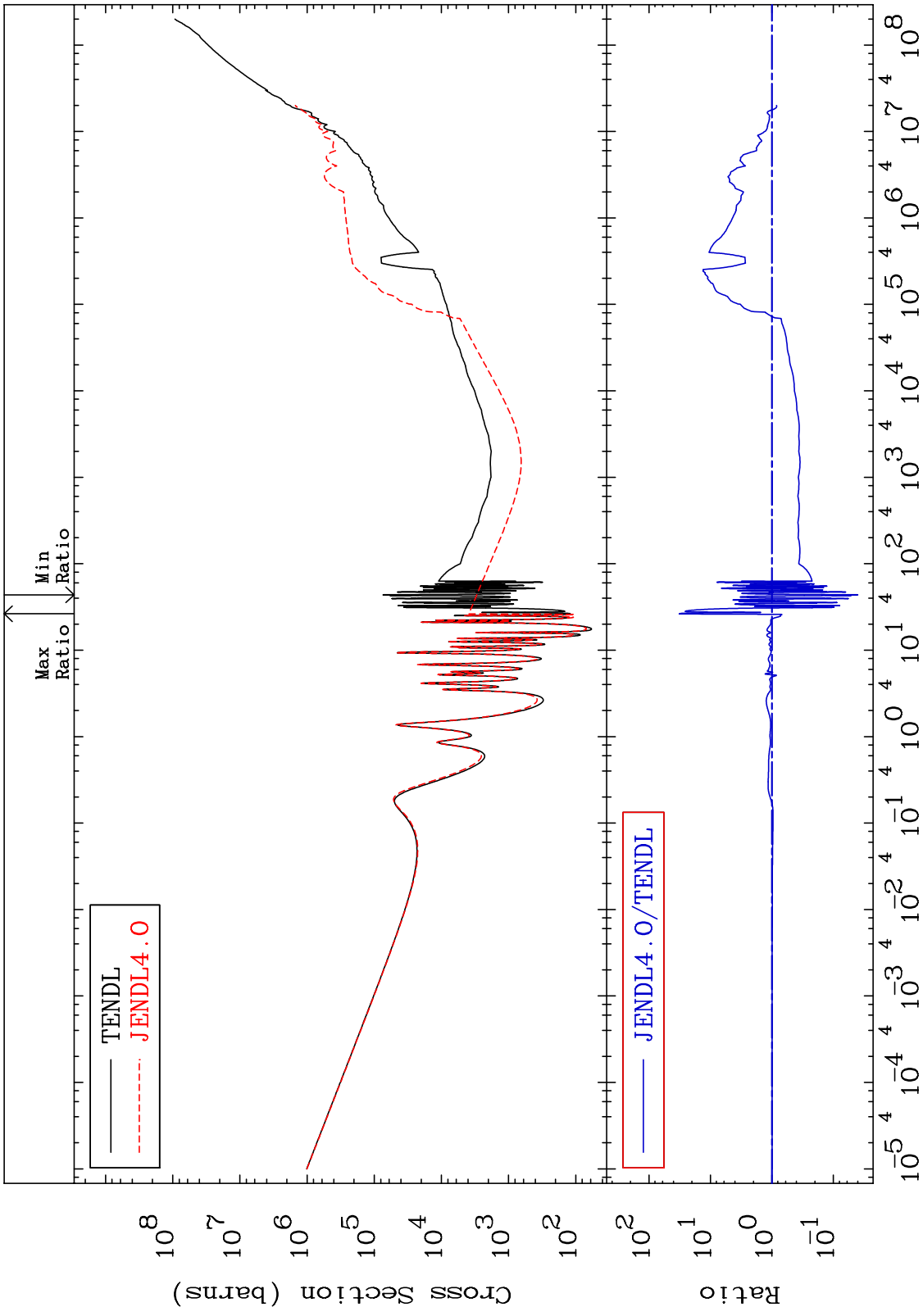
MAT 6334

He-4 Production
Cross Section

63-Eu-154
-84.07 To 9999. %



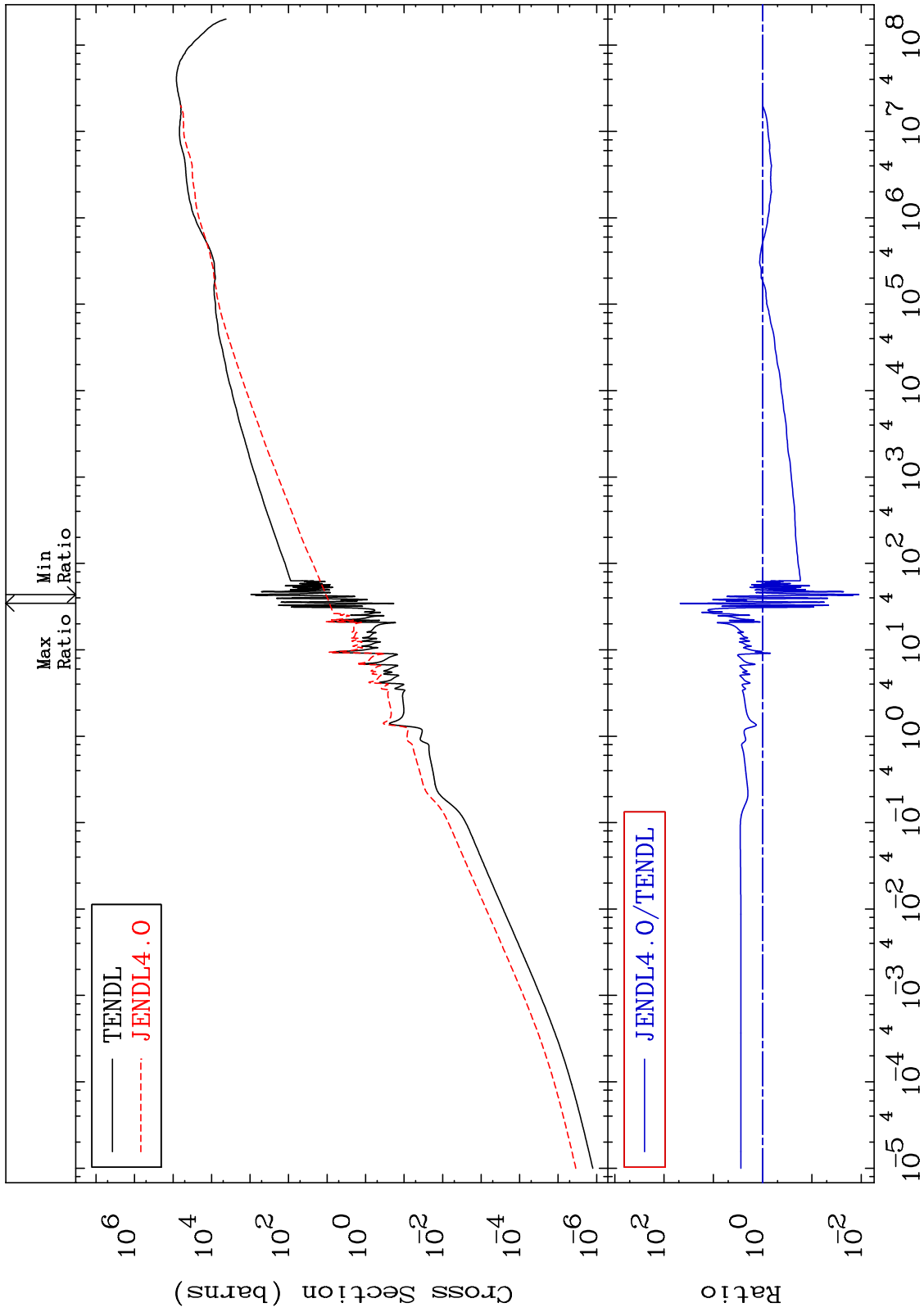
MAT 6334 Kerma total (eV-barns) 63-Eu-154
 Cross Section -96.00 To 3147. %



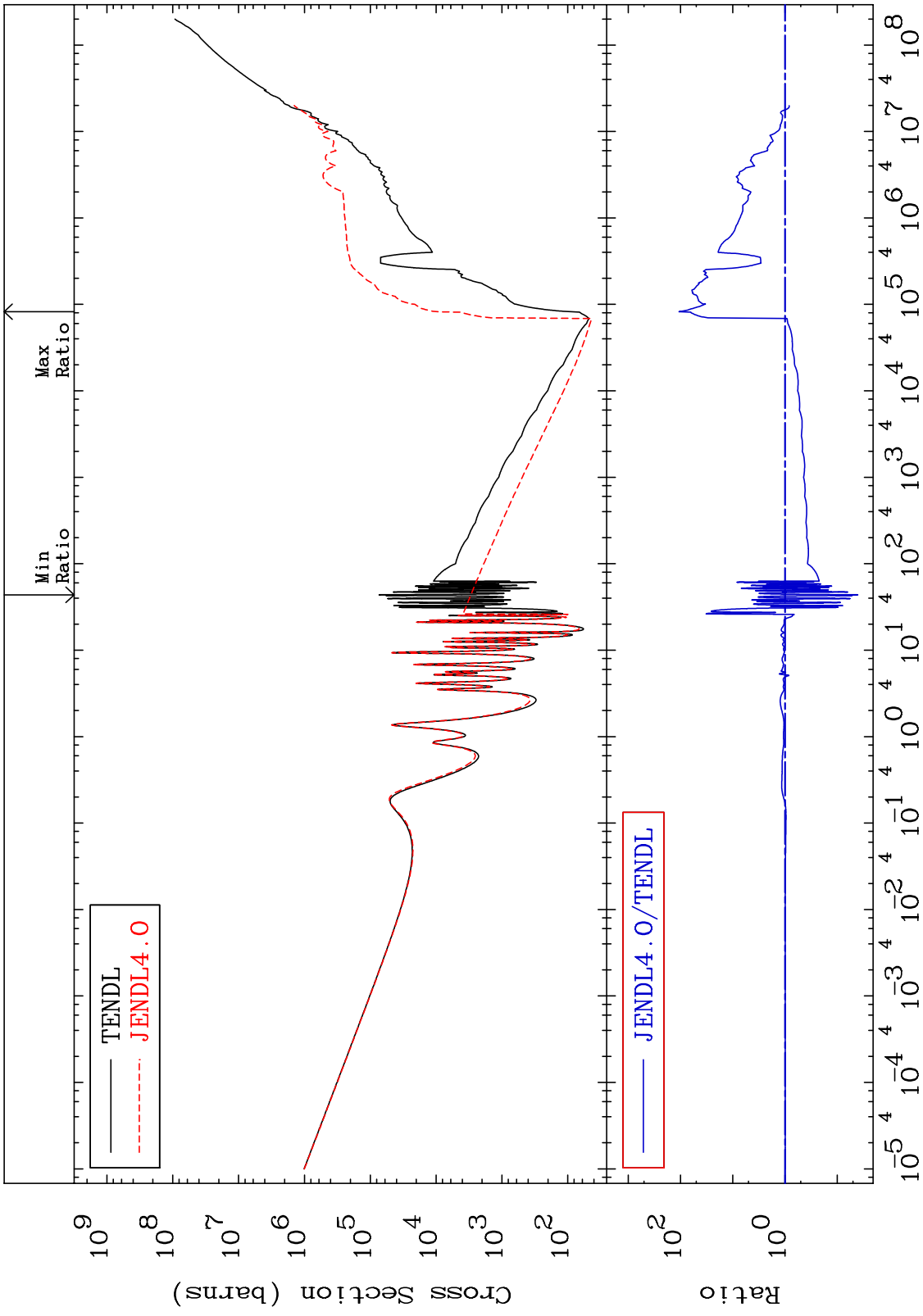
MAT 6334

Kerma elastic
Cross Section

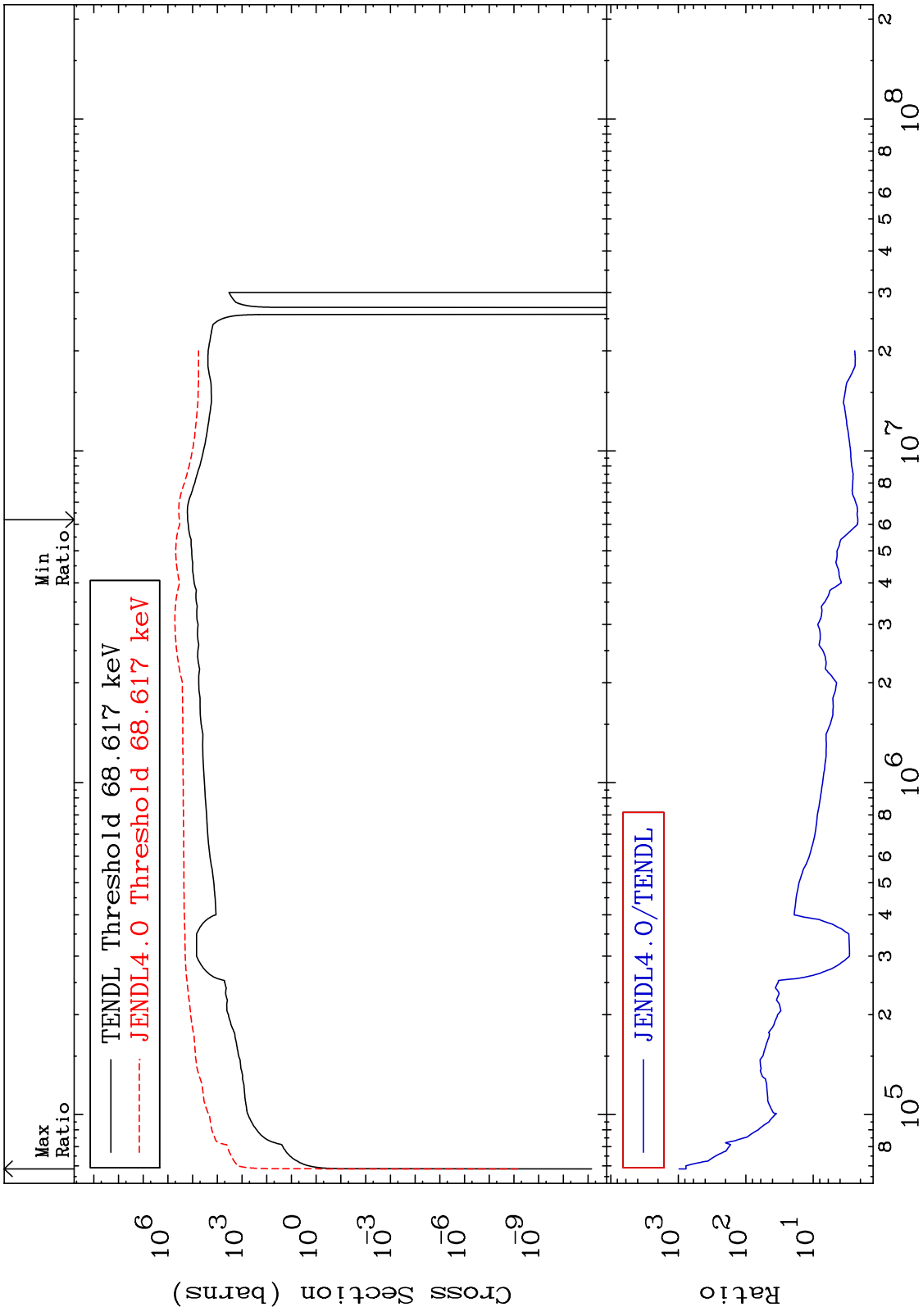
63-Eu-154
-98.88 To 4607. %



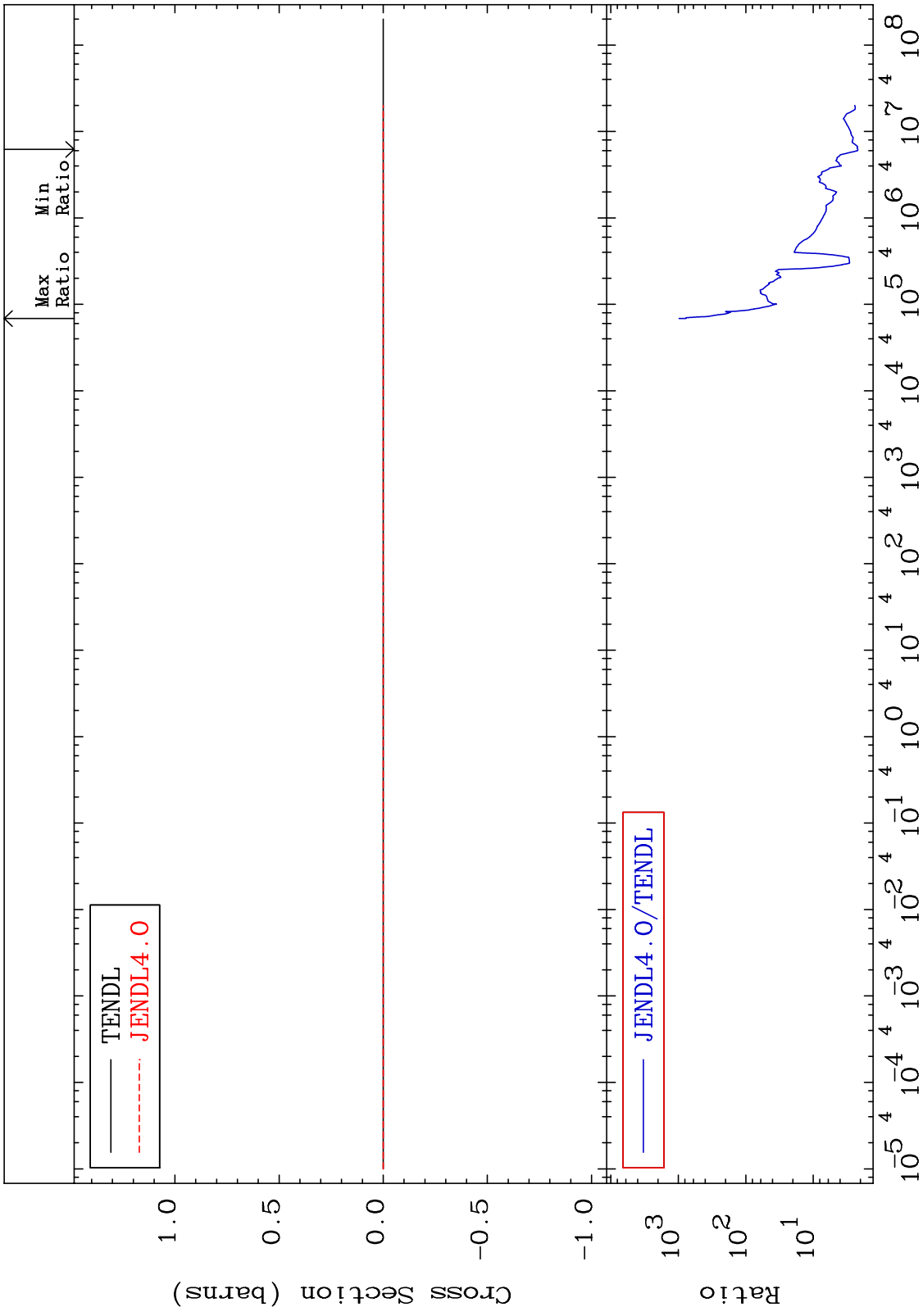
MAT 6334 Kerma non-elastic (all but mt2) 63-Eu-154
 Cross Section -95.96 To 9999. %



MAT 6334 Kerma inelastic (mt51-91) 63-Eu-154
 Cross Section 118.4 To 9999. %



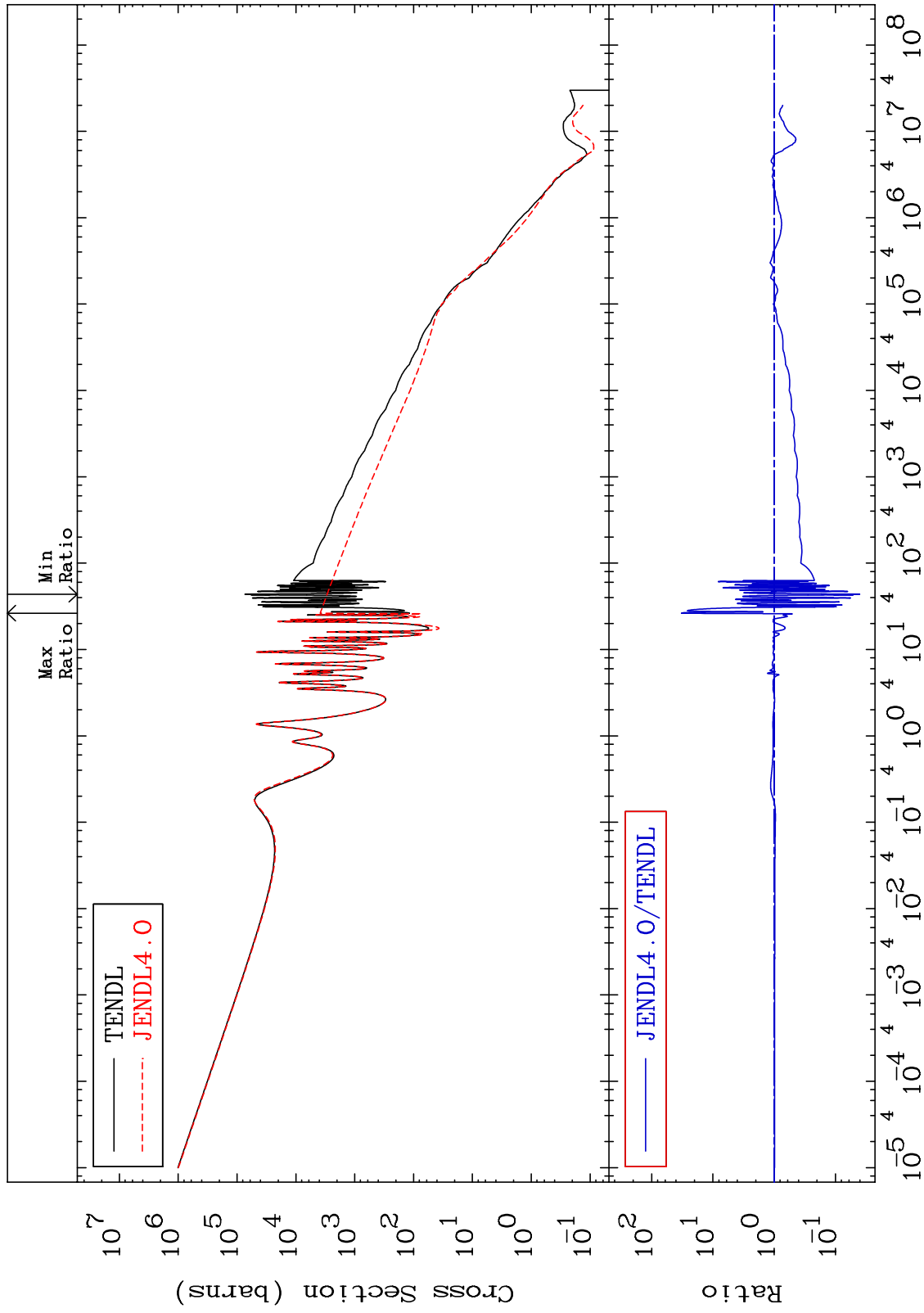
MAT 6334 Kerma fission (mt18 or mt19-20-21-38) 63-Eu-154
 Cross Section 118.4 To 9999. %



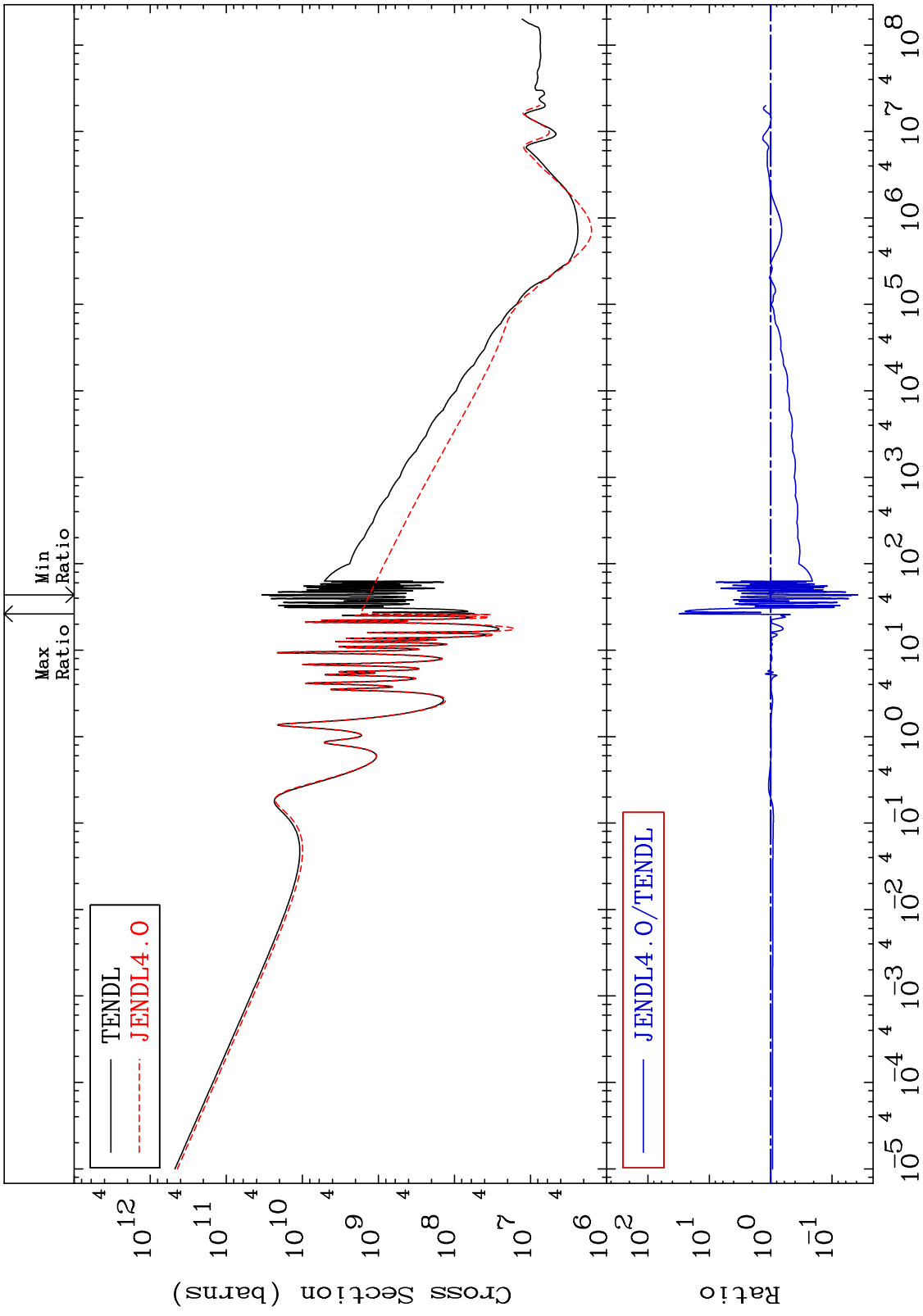
MAT 6334

Kerma capture (mt102)
Cross Section

63-Eu-154
-95.99 To 3184. %

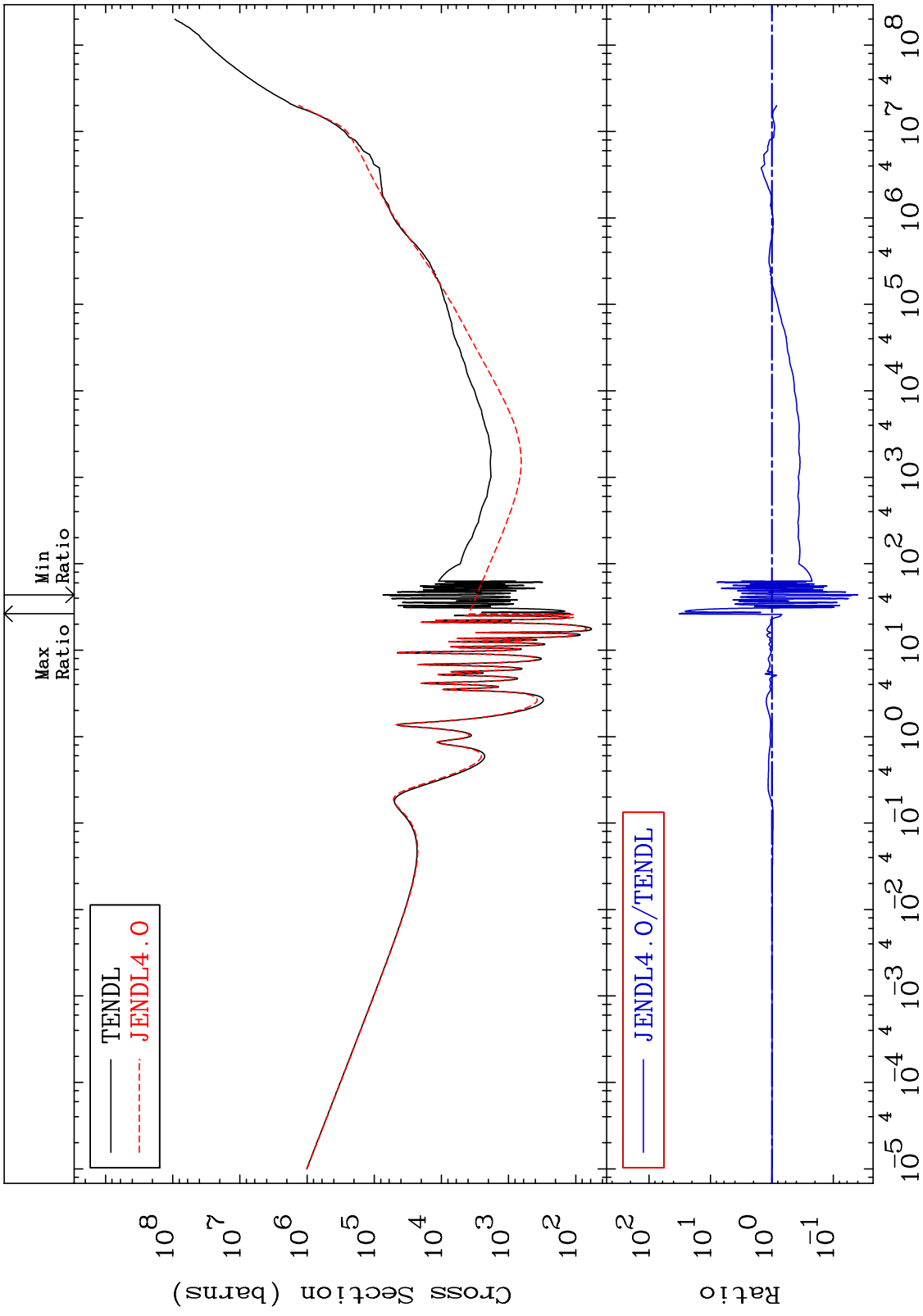


MAT 6334 Total photon (eV-barns) 63-Eu-154
Cross Section -96.20 To 3011. %

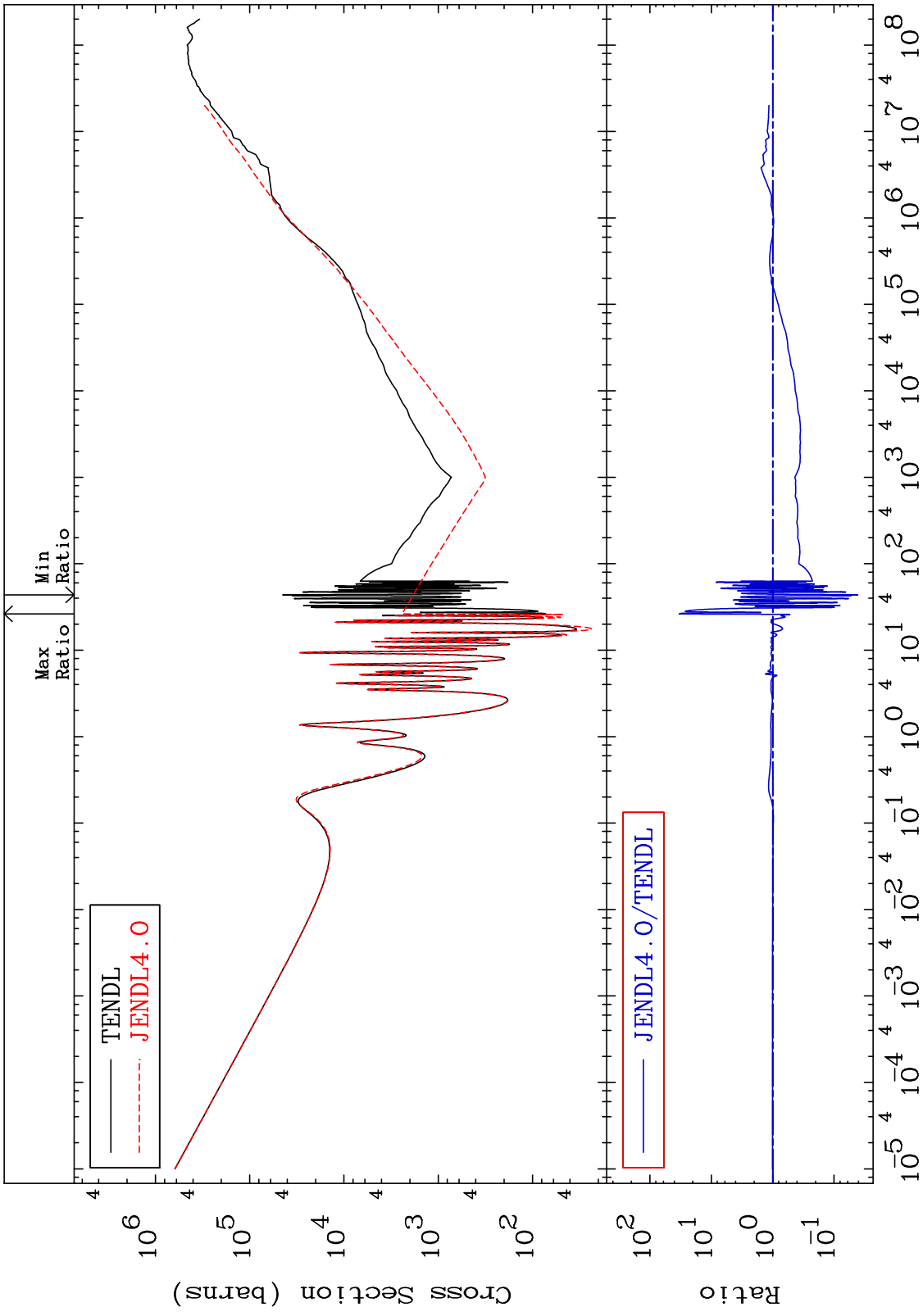


60 63-Eu-154

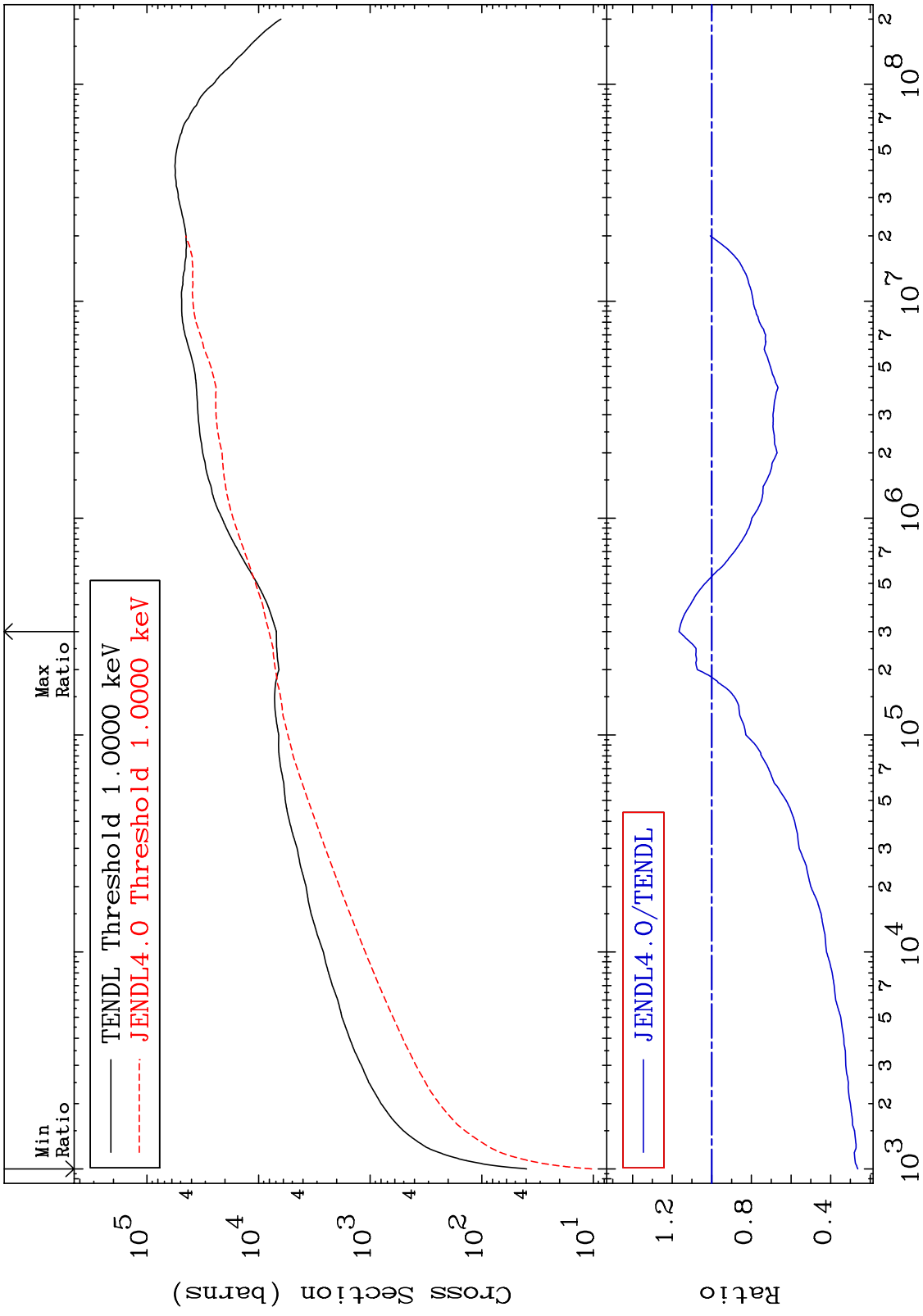
MAT 6334 Total kinematic kerma (high limit) 63-Eu-154
 Cross Section -96.00 To 3146. %



MAT 6334 Dpa total (eV-barns) 63-Eu-154
 Cross Section -95.90 To 3249. %

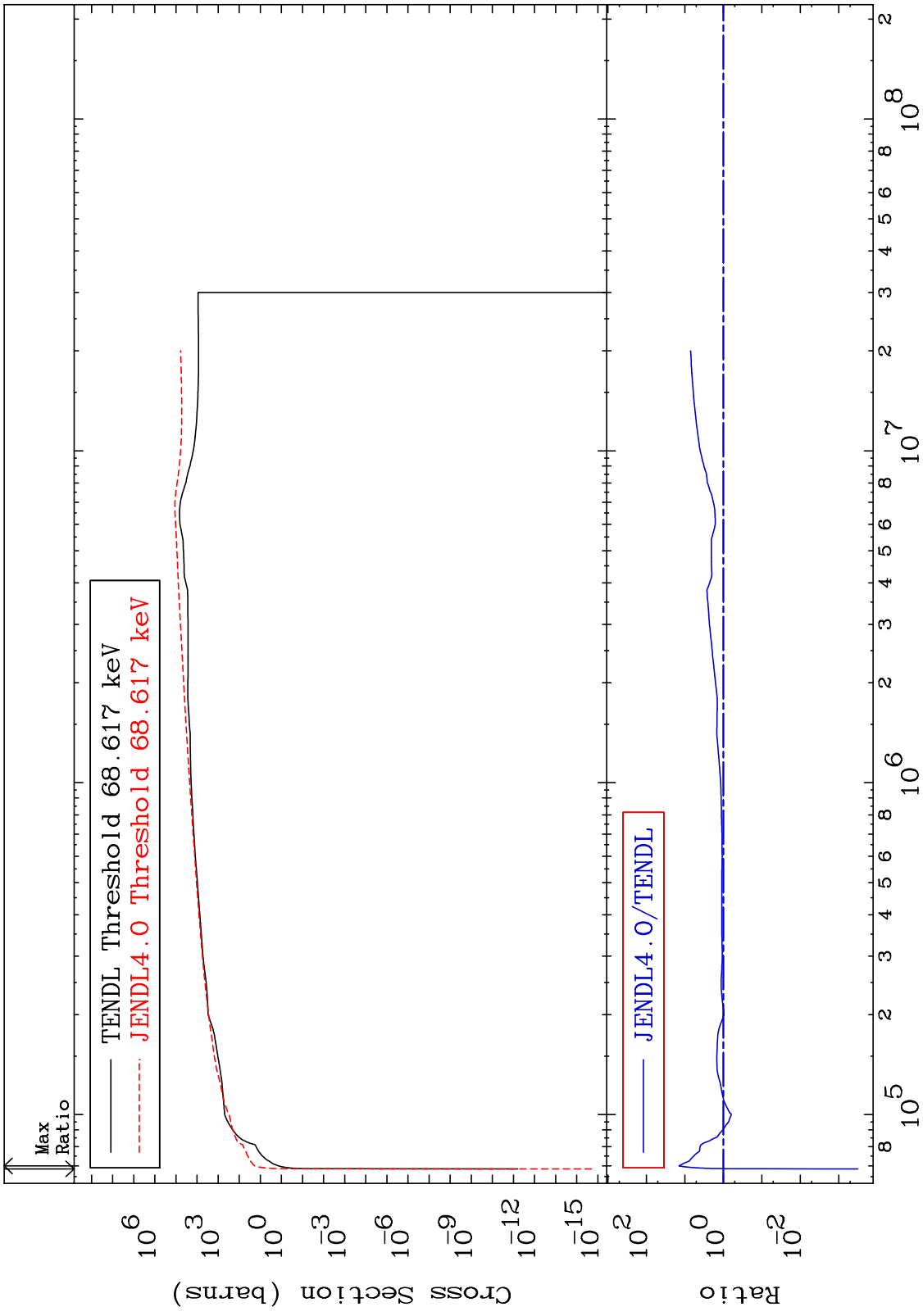


MAT 6334 63-Eu-154 -73.74 To 16.53 %
Dpa elastic (mt2)
Cross Section



63-Eu-154

MAT 6334 Dpa inelastic (mt51-91) 63-Eu-154
Cross Section -99.97 To 1309. %



MAT 6334

Dpa disappearance (mt102 -120)

63-Eu-154

-95.90 To 3249. %

Cross Section

