

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

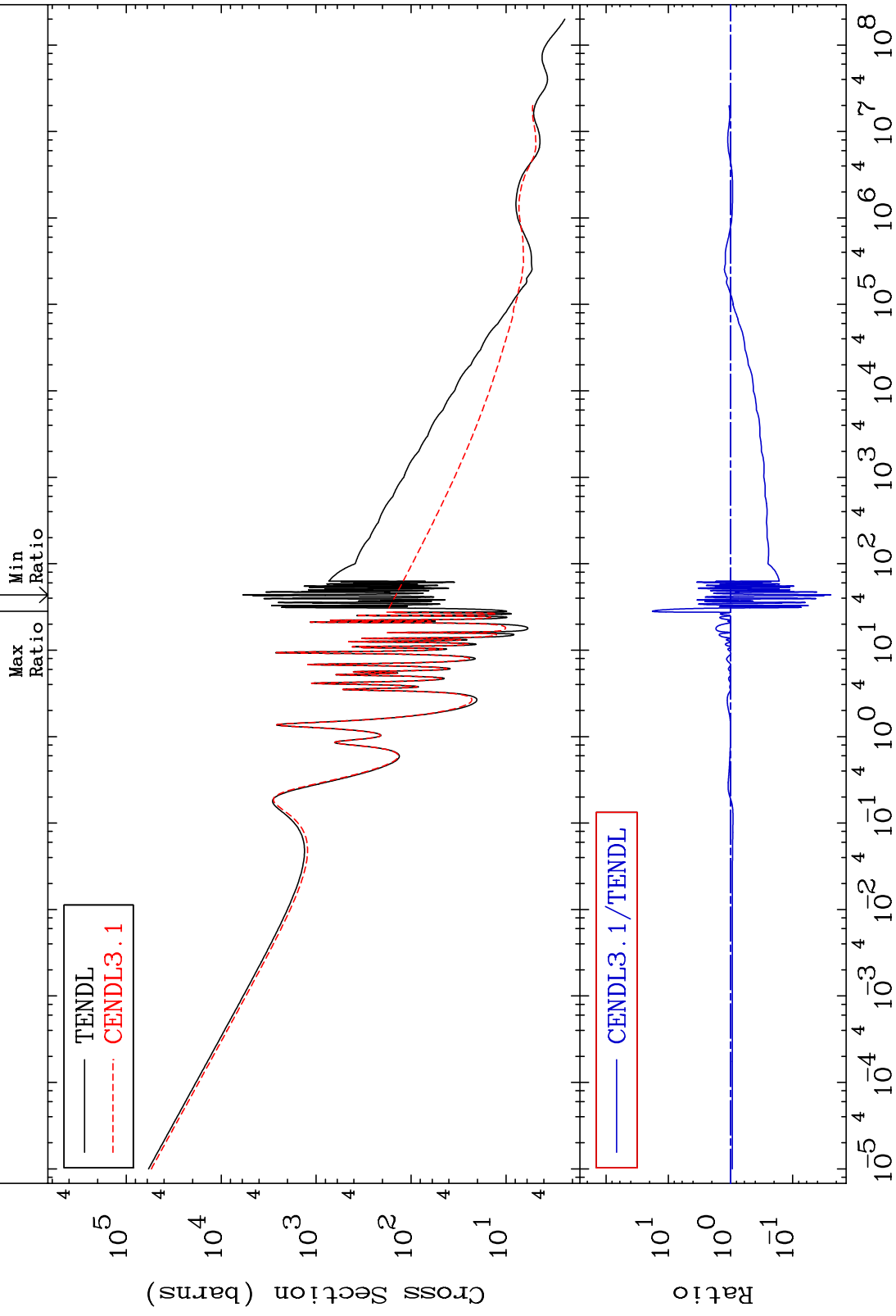
MAT 6334

Total

63-Eu-154

-97.57 To 1710. %

Cross Section



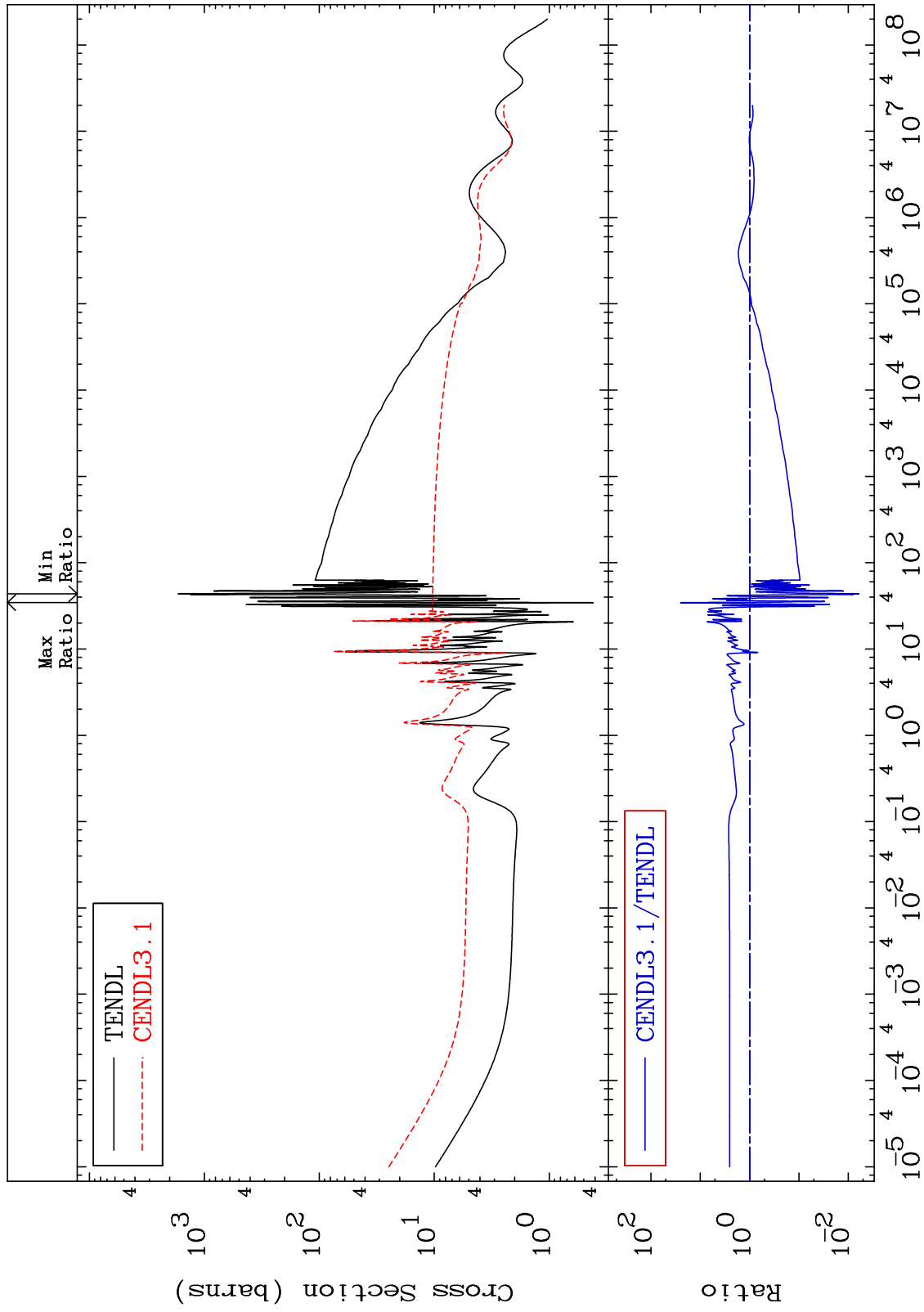
Incident Energy (eV)

63-Eu-154

MAT 6334

Elastic  
Cross Section

63-Eu-154  
-99.39 To 2399. %

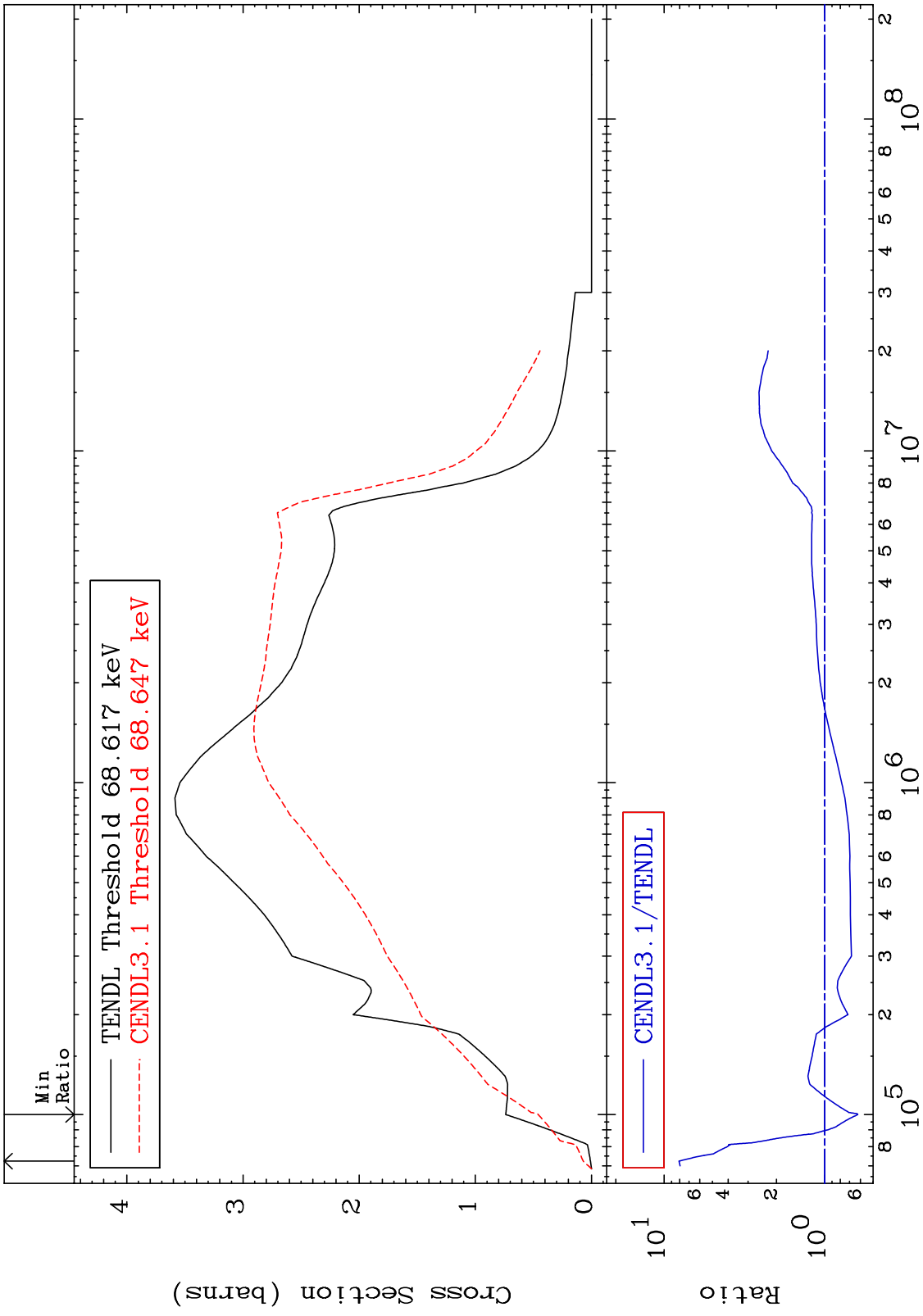


2

Incident Energy (eV)

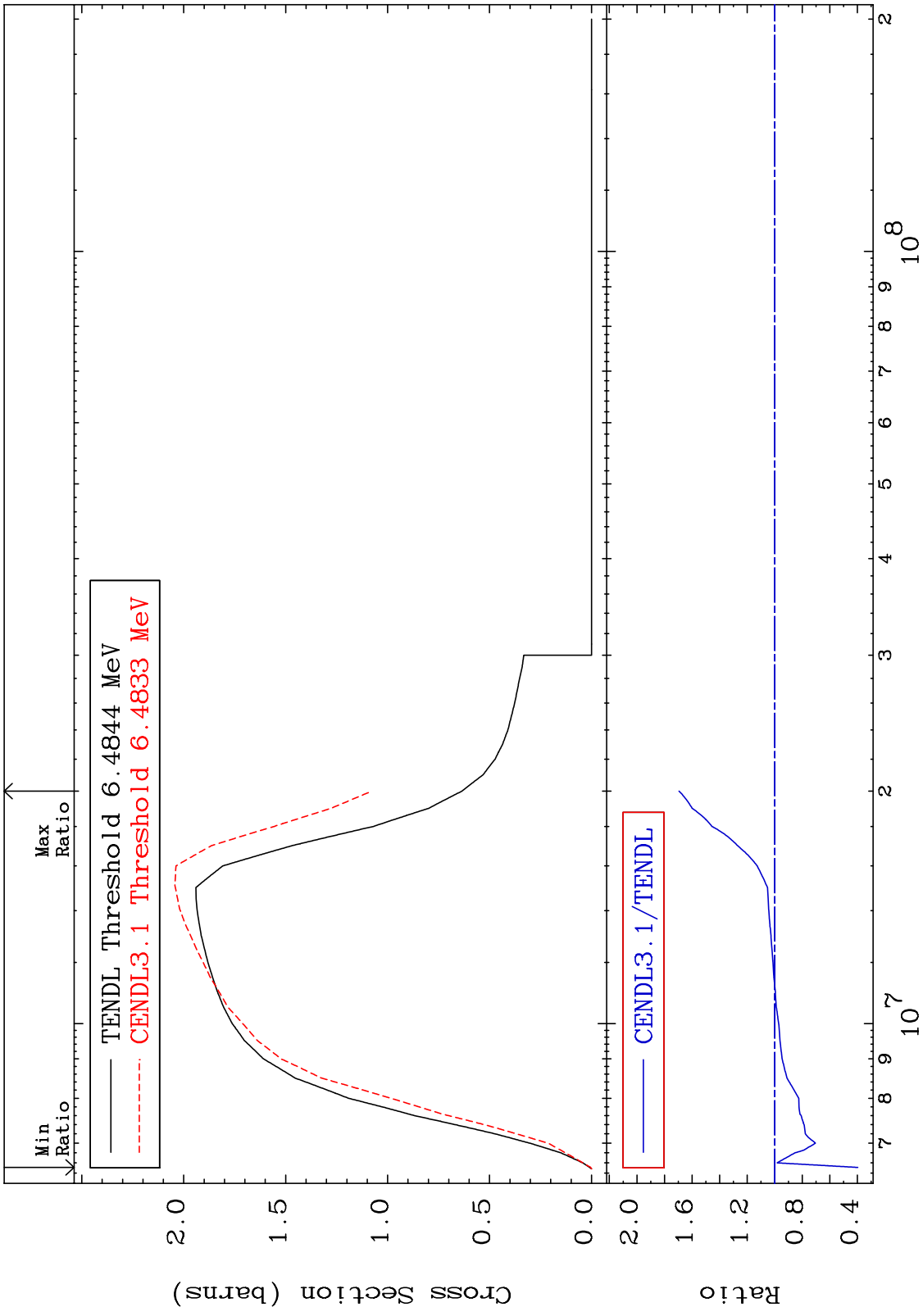
63-Eu-154

MAT 6334 Inelastic Cross Section 63-Eu-154 -37.81 To 707.8 %

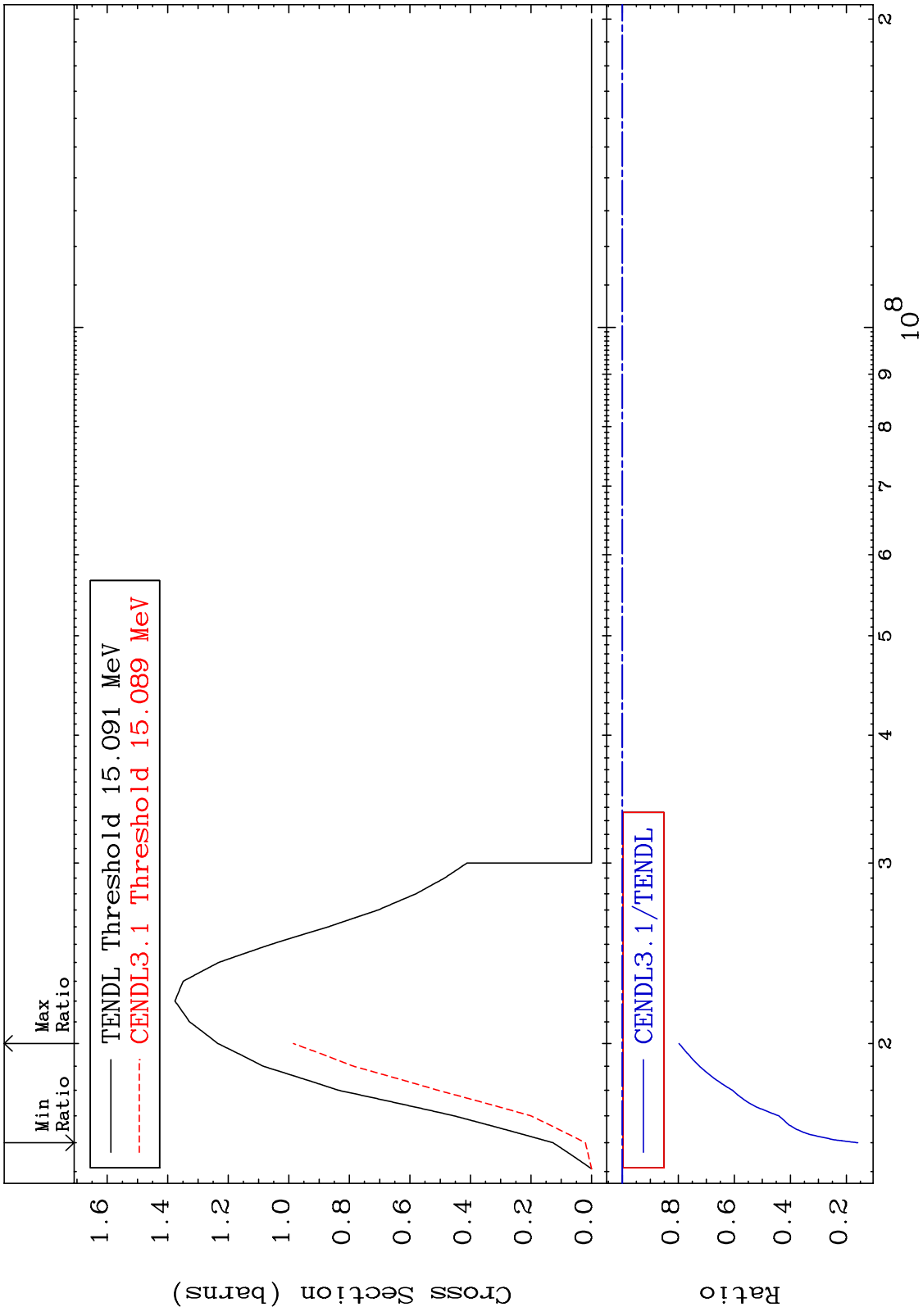


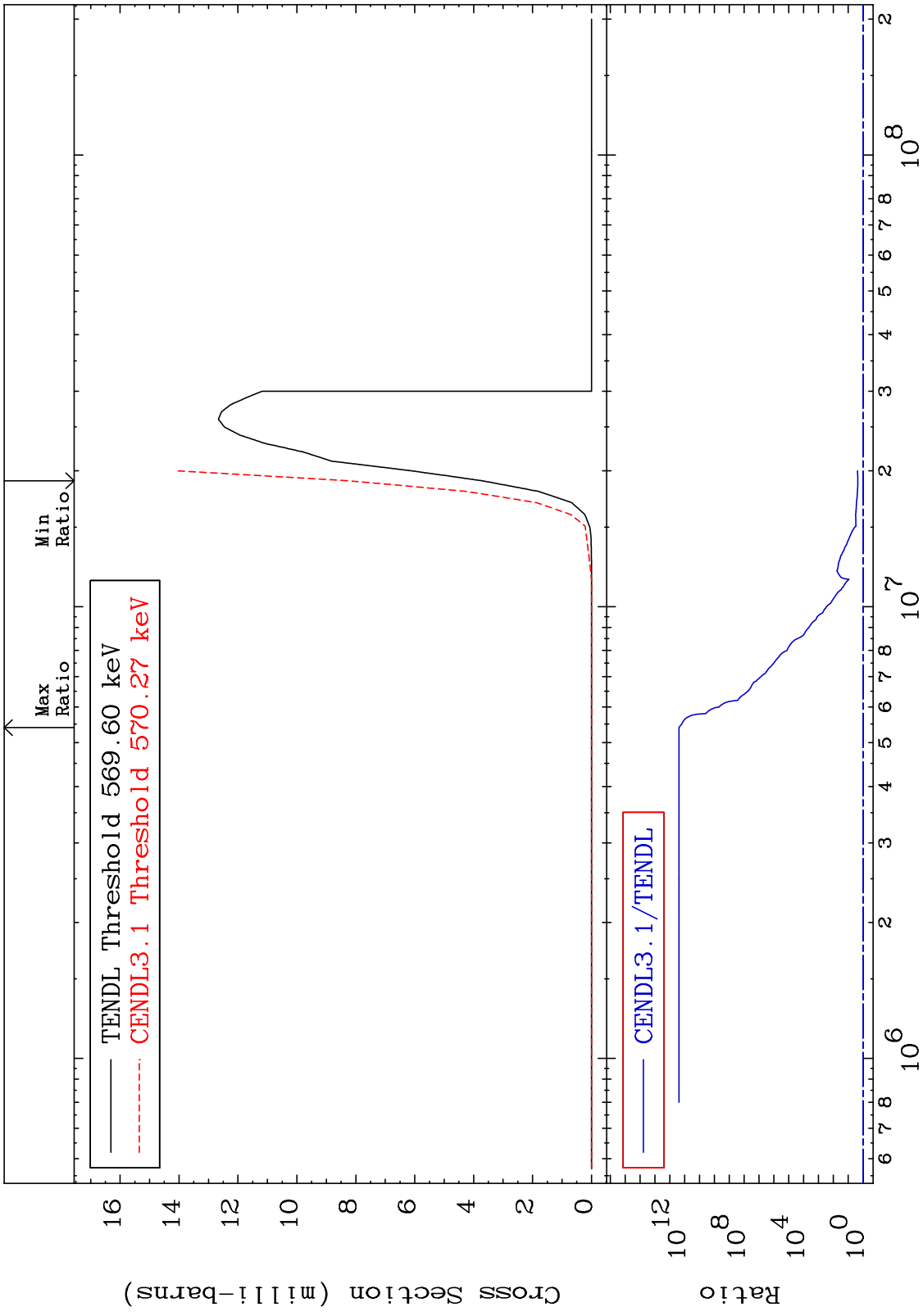
3 63-Eu-154

MAT 6334 (n,2n) Cross Section 63-Eu-154 -60.32 To 69.42 %

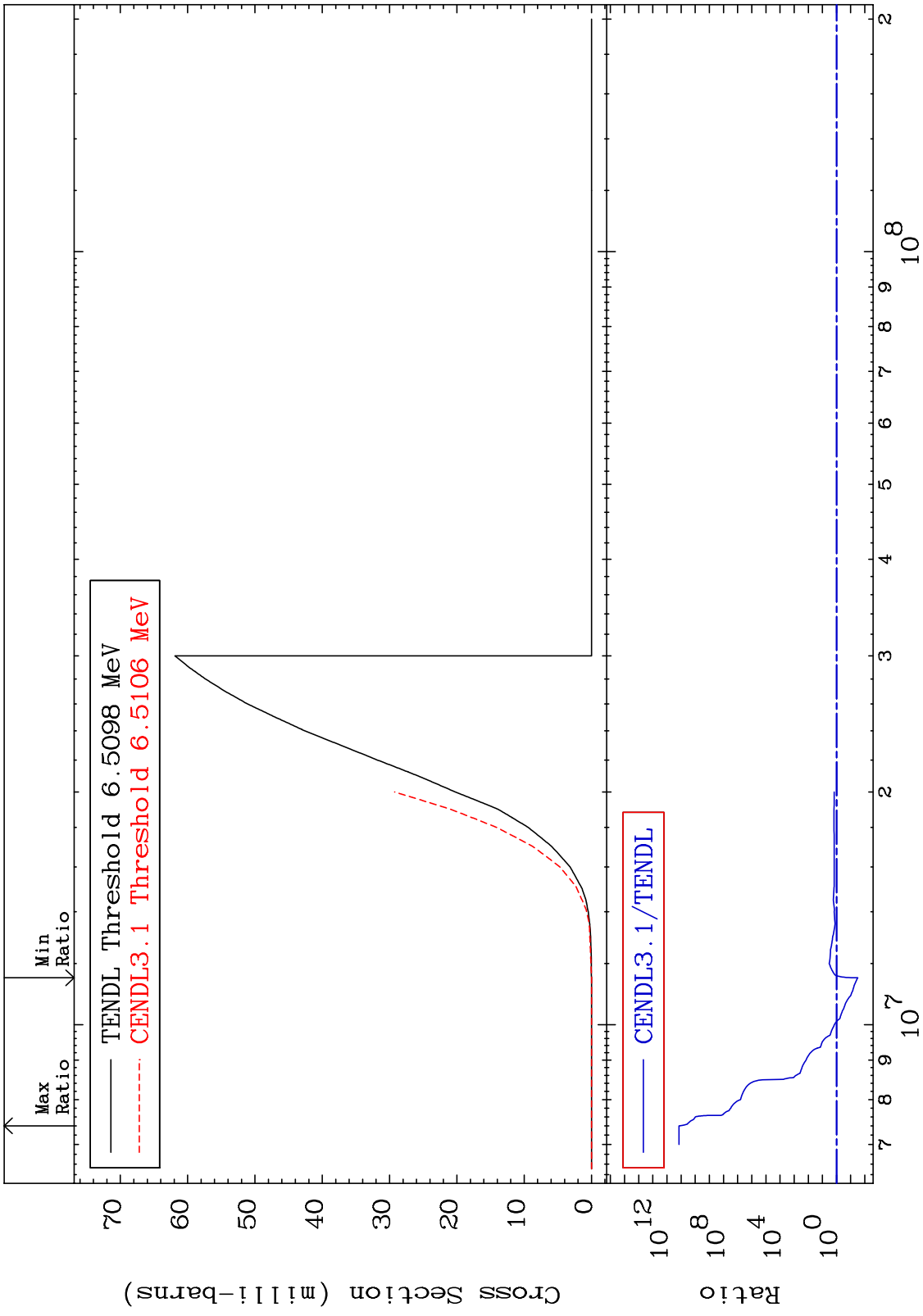


MAT 6334 (n,3n) Cross Section 63-Eu-154 -84.10 To -20.24%





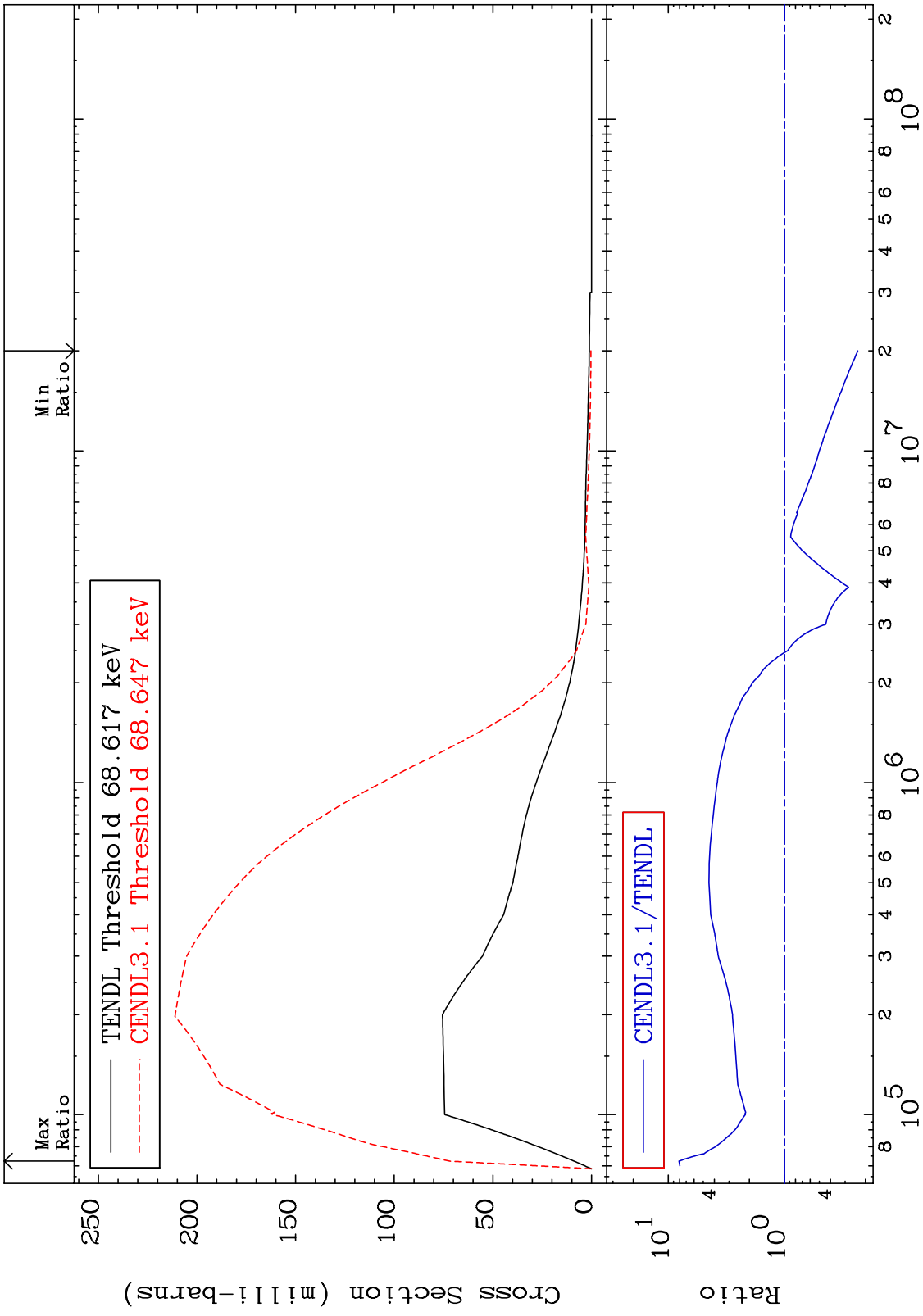
MAT 6334 (n,n') p 63-Eu-154  
 Cross Section -96.88 To 9999. %



7 63-Eu-154

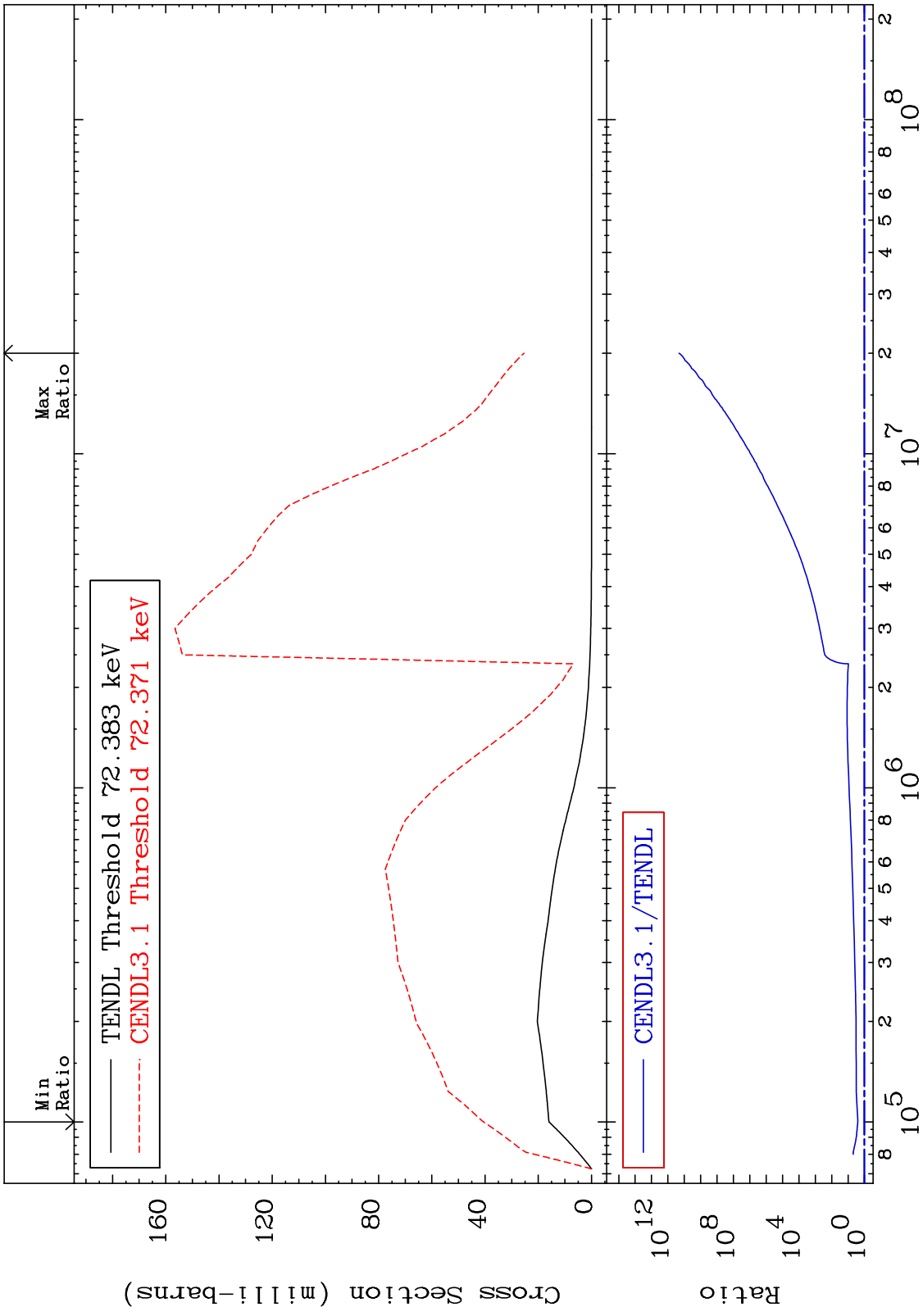


MAT 6334 MT= 51 (n,n') Level Cross Section 63-Eu-154 -76.73 To 707.8 %



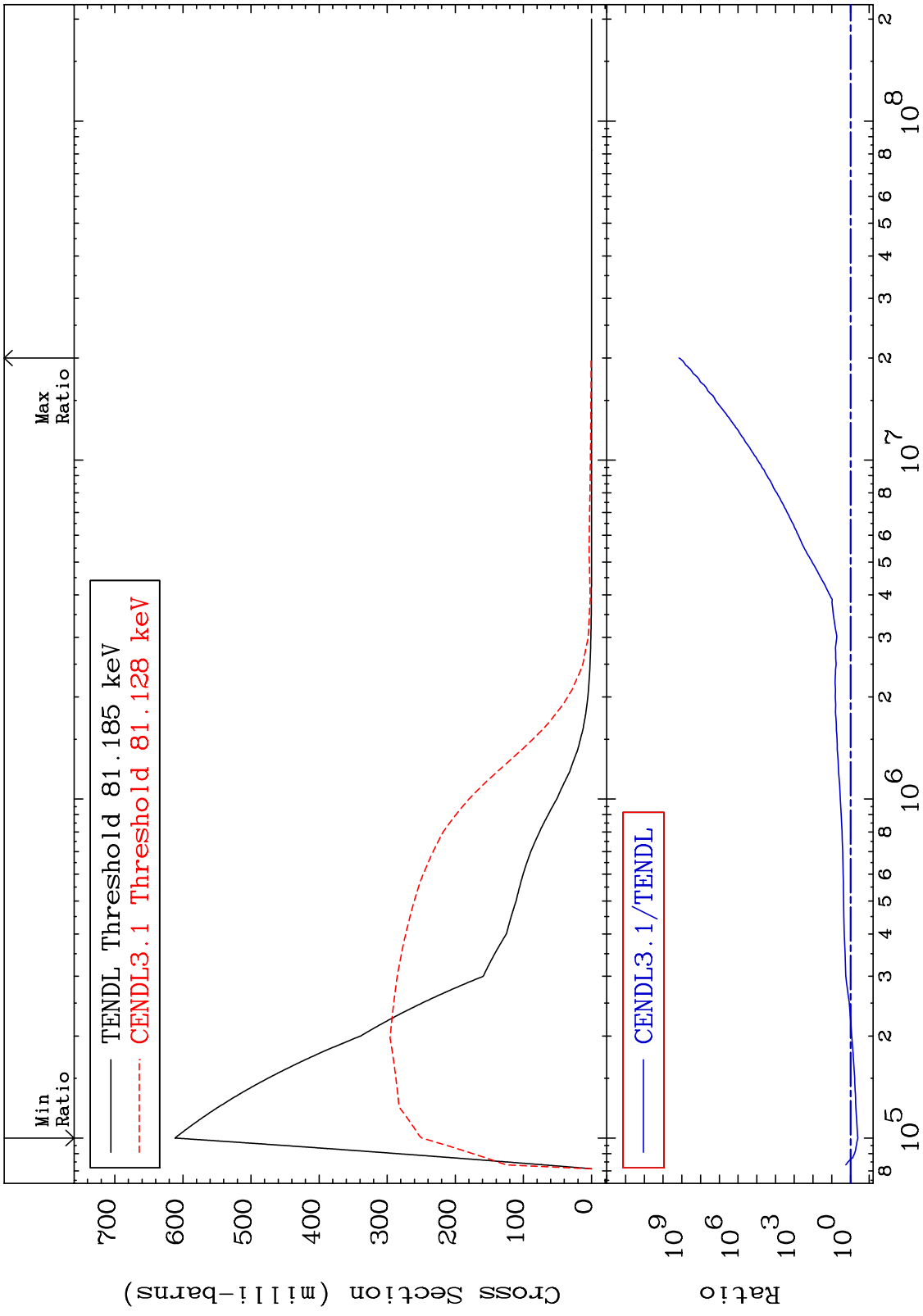
8 Incident Energy (eV) 63-Eu-154

MAT 6334 MT= 52 (n,n') Level Cross Section 63-Eu-154 153.4 To 9999. %



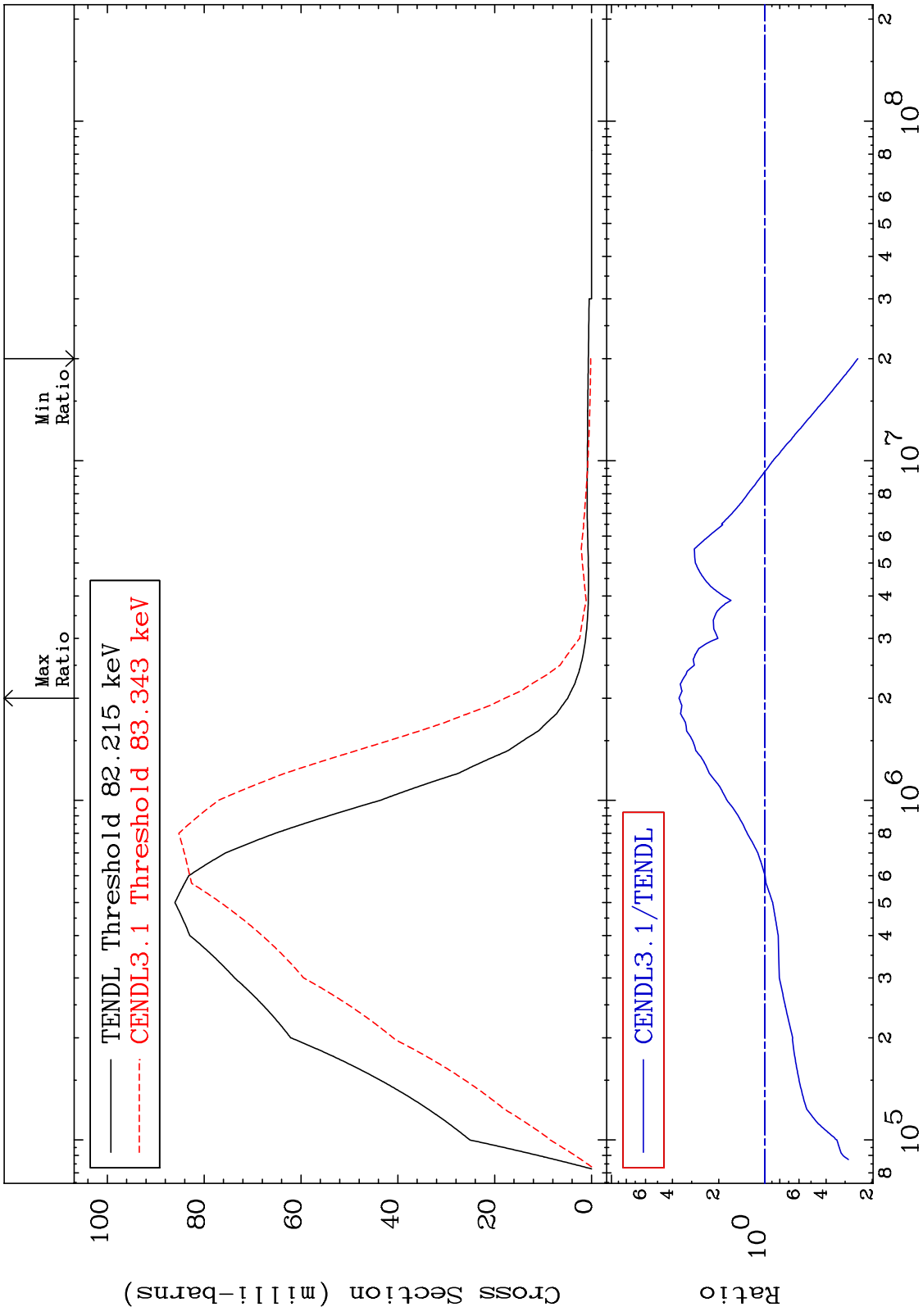
9 63-Eu-154

MAT 6334 MT= 53 (n,n') Level Cross Section 63-Eu-154 -59.30 To 9999. %

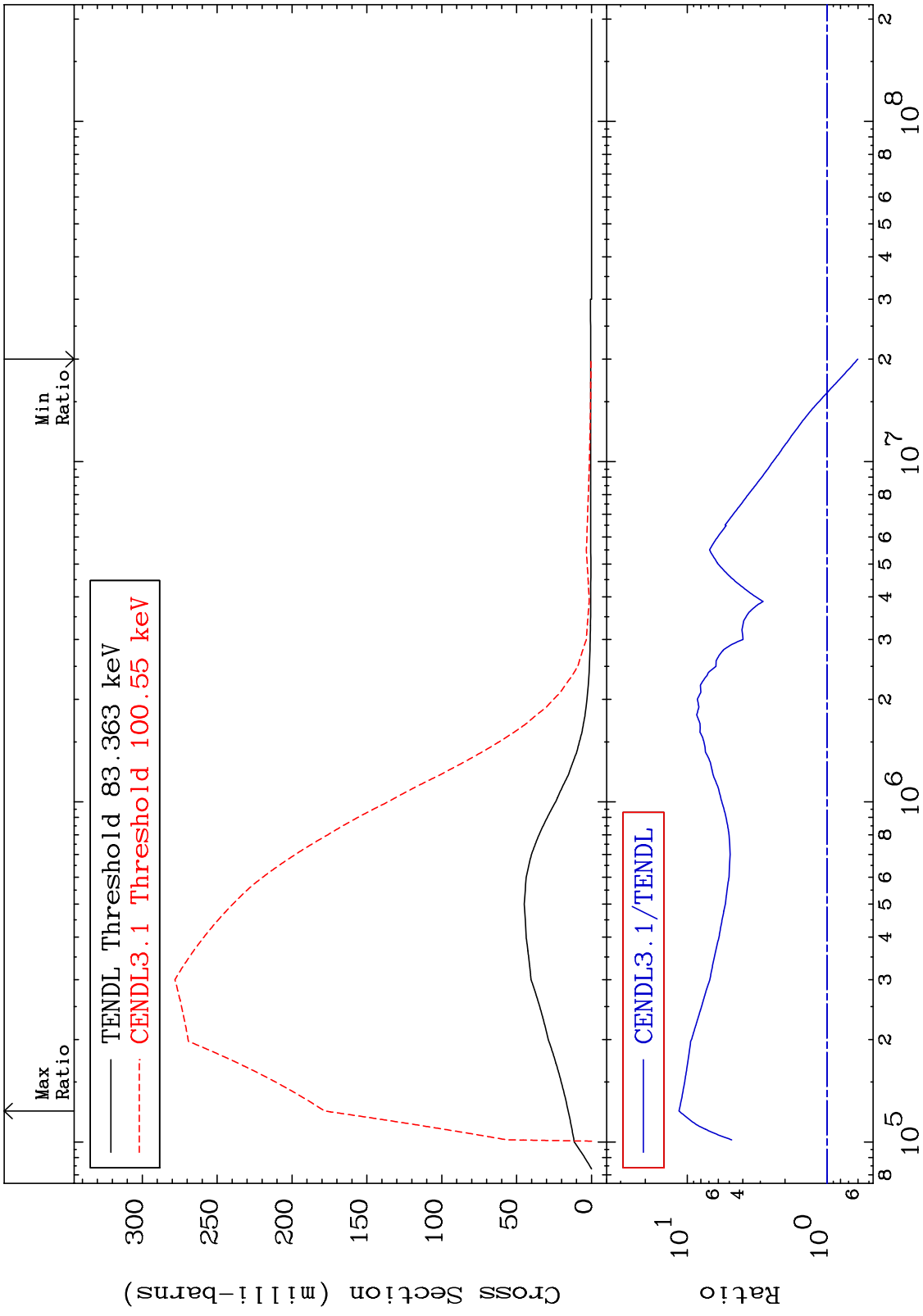


63-Eu-154

MAT 6334 MT= 54 (n,n') Level Cross Section 63-Eu-154 -75.19 To 262.5 %

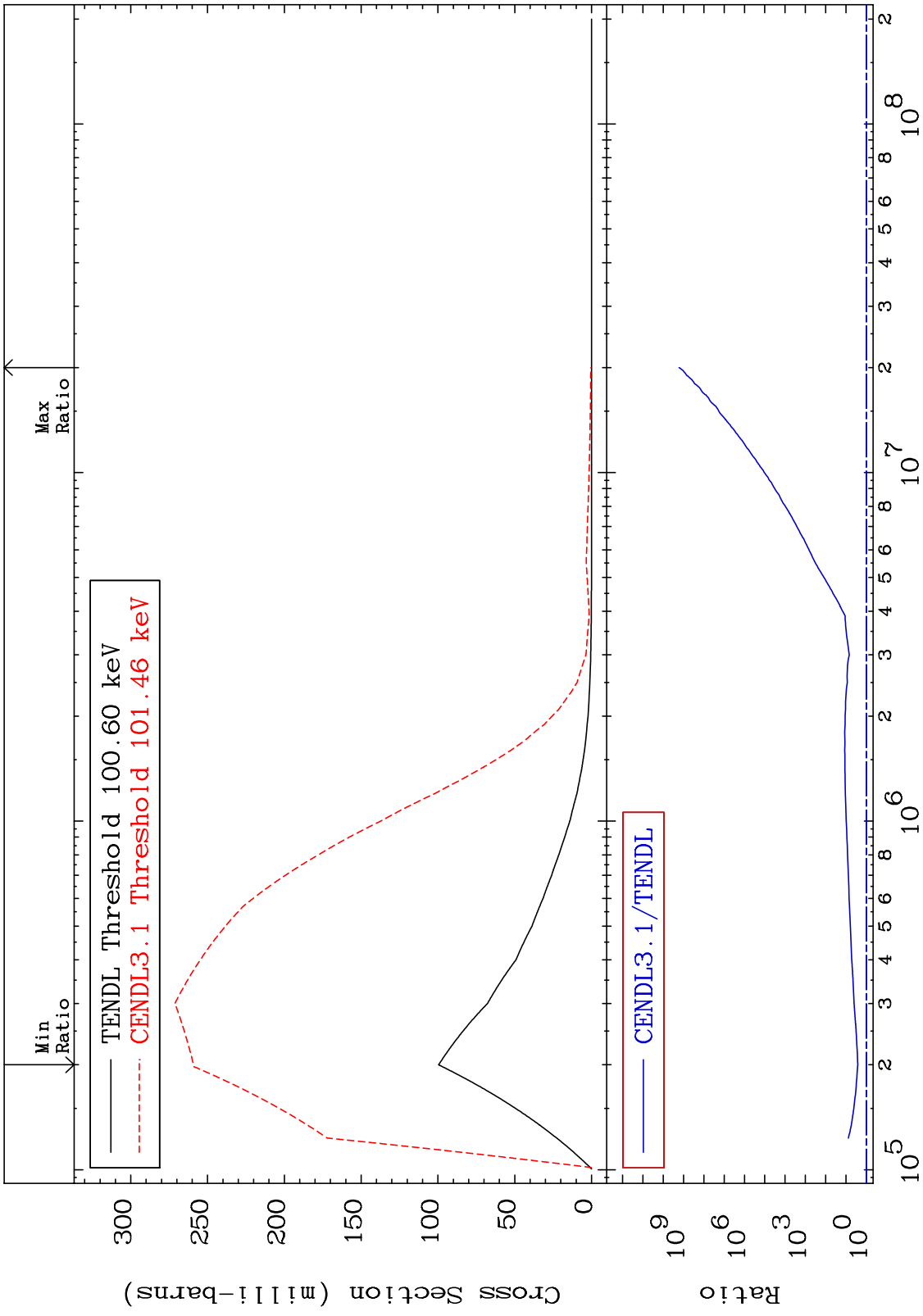


MAT 6334 MT= 55 (n,n') Level Cross Section 63-Eu-154 -39.89 To 1046. %



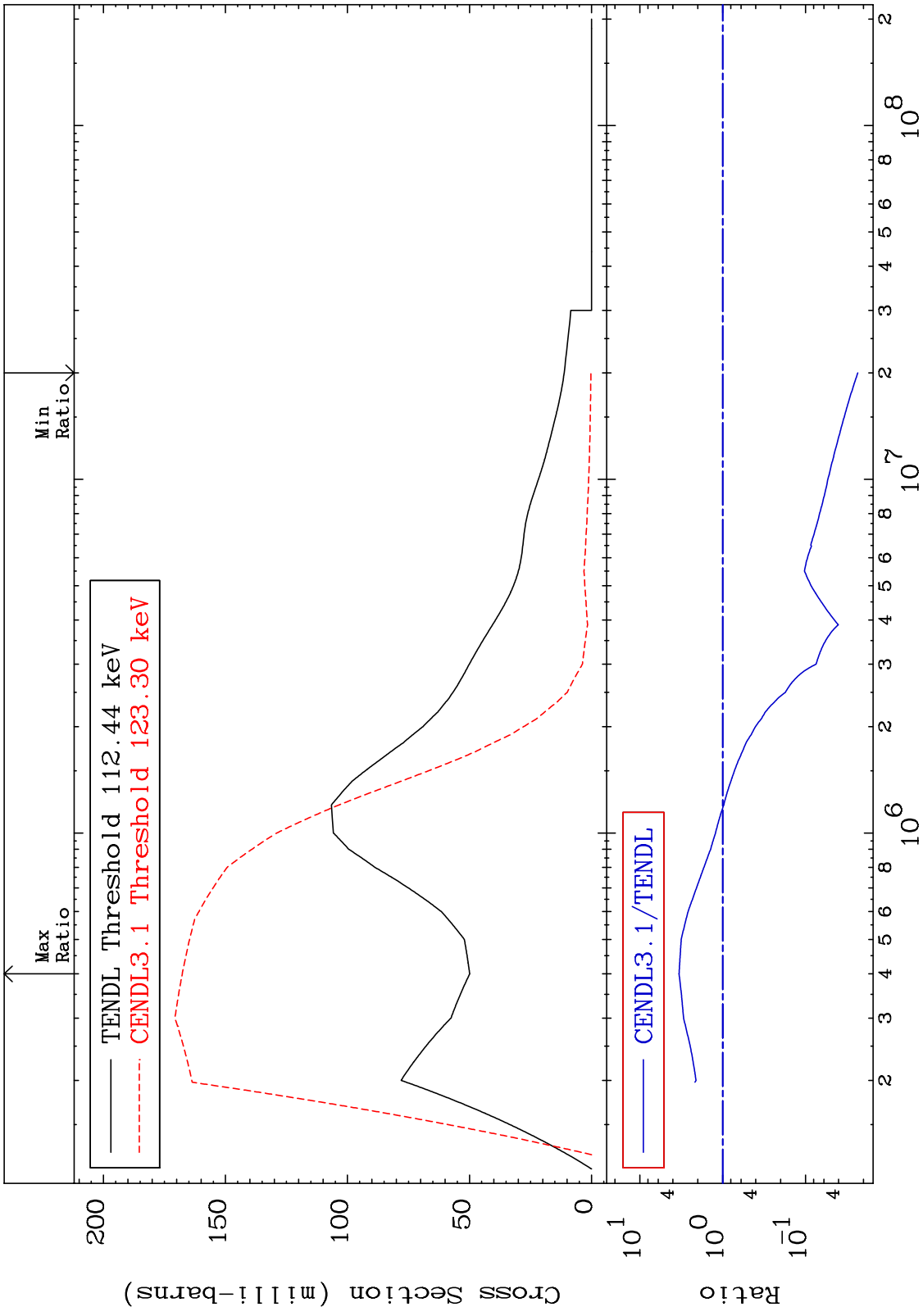
12 63-Eu-154

MAT 6334 MT= 56 (n,n') Level Cross Section 63-Eu-154 160.3 To 9999. %



13 Incident Energy (eV) 63-Eu-154

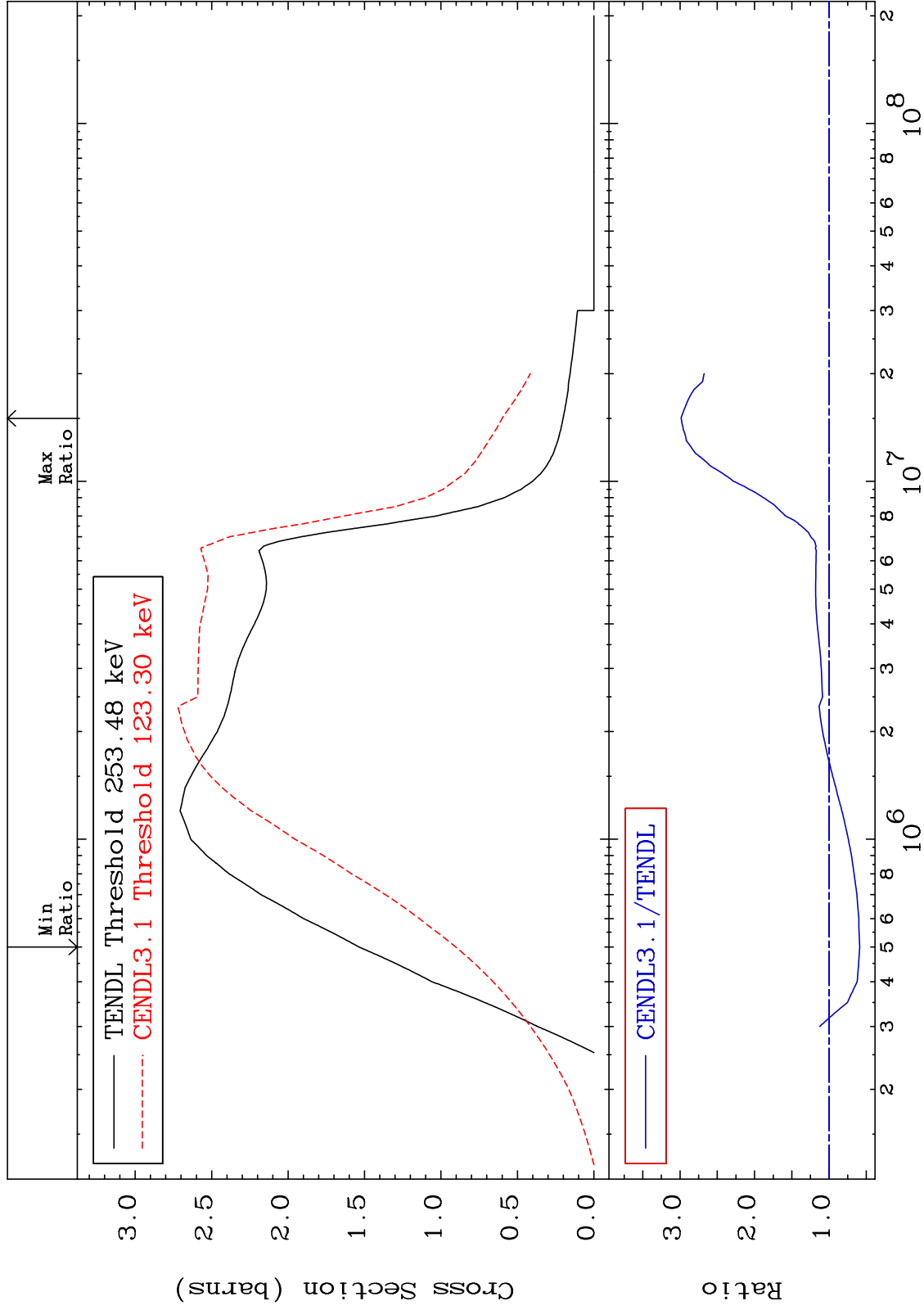
MAT 6334 MT= 57 (n,n') Level Cross Section 63-Eu-154 -97.66 To 236.1 %



MAT 6334

(n, n') Continuum  
Cross Section

63-Eu-154  
-41.19 To 198.4 %

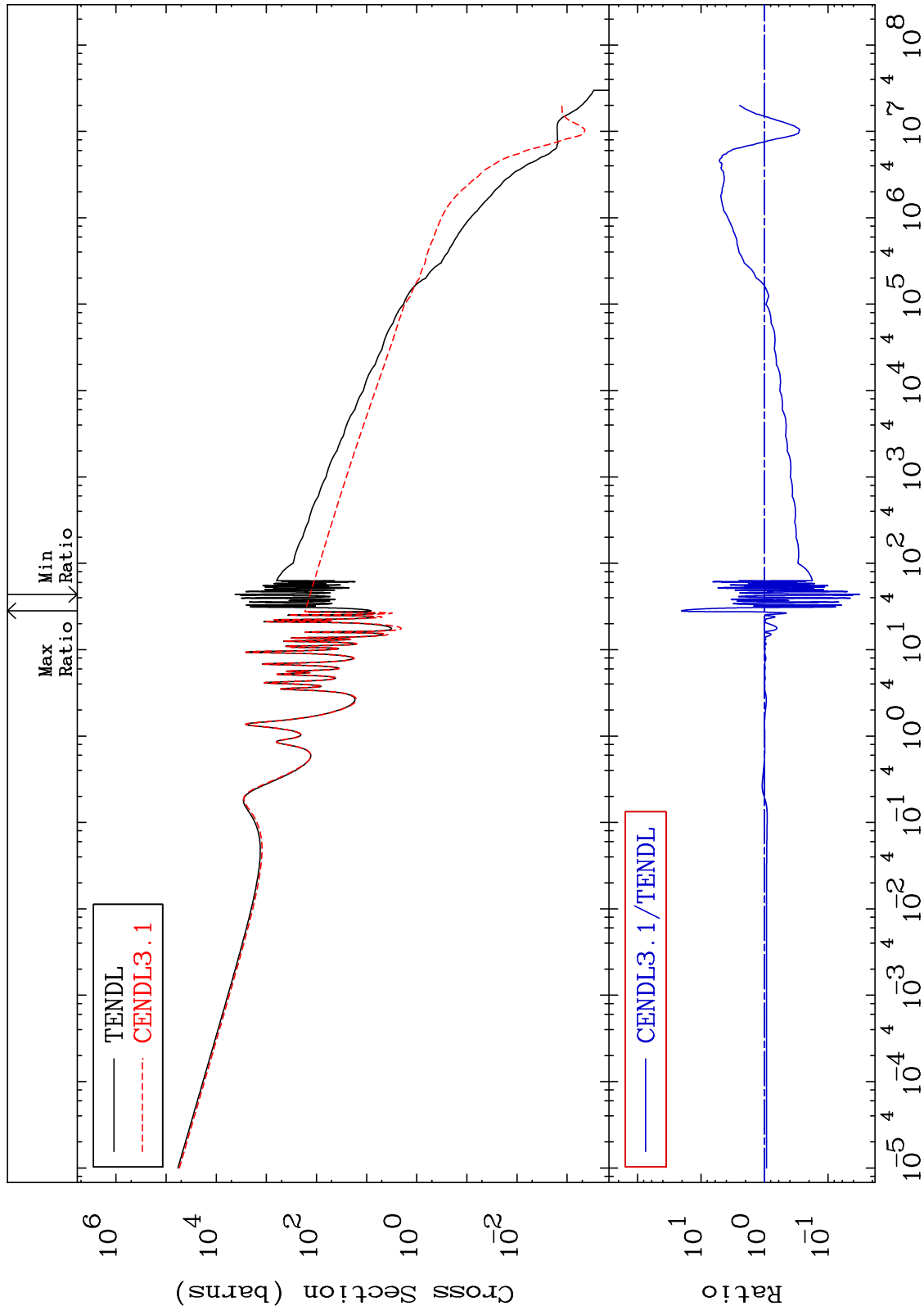




MAT 6334

(n,  $\gamma$ )  
Cross Section

63-Eu-154  
-96.83 To 1953. %



MAT 6334

(n,p)

63-Eu-154

Cross Section

-100.0 To 1754. %

Min Ratio

Max Ratio

TENDL  
CENDL3.1

Cross Section (milli-barns)

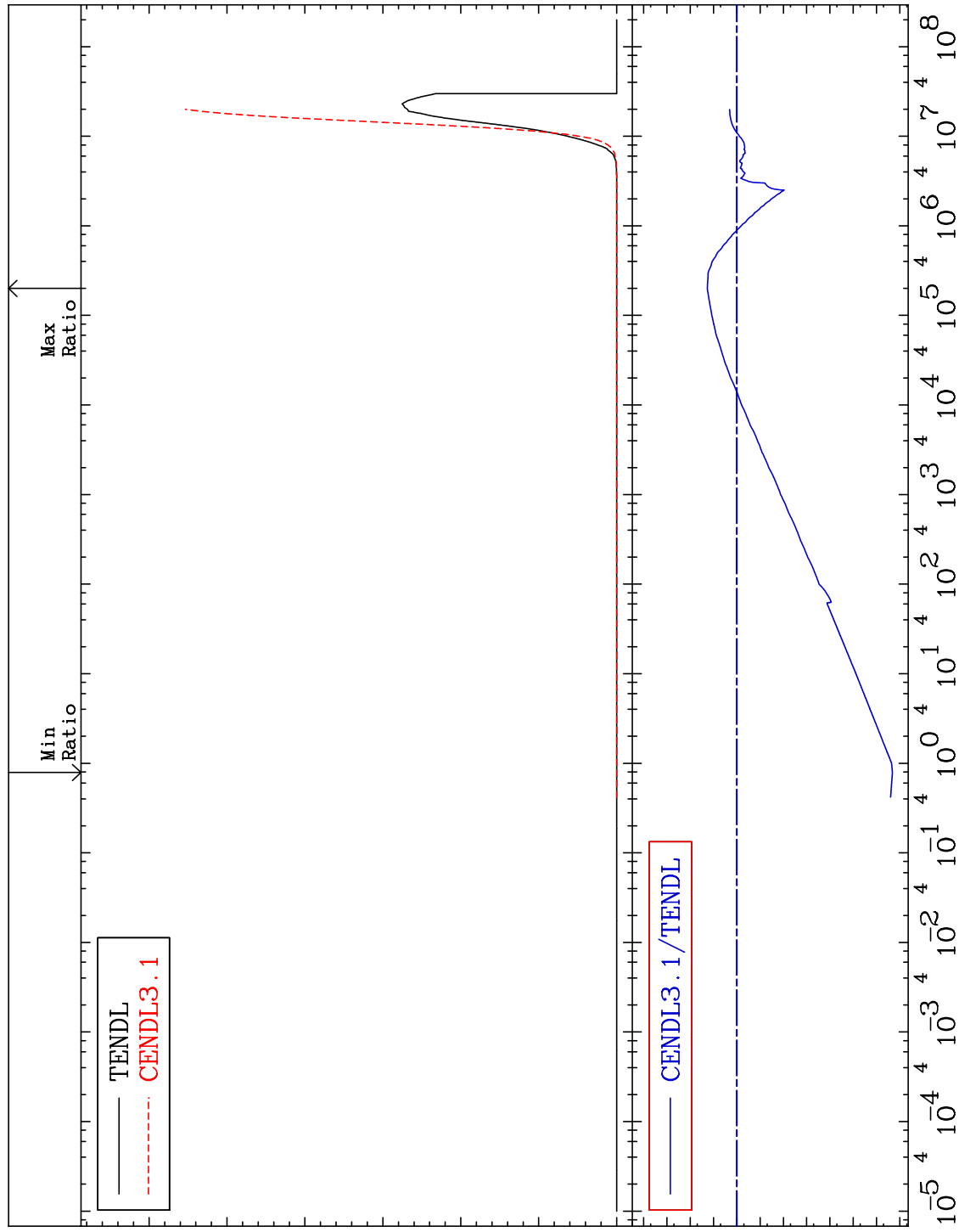
CENDL3.1/TENDL

Ratio

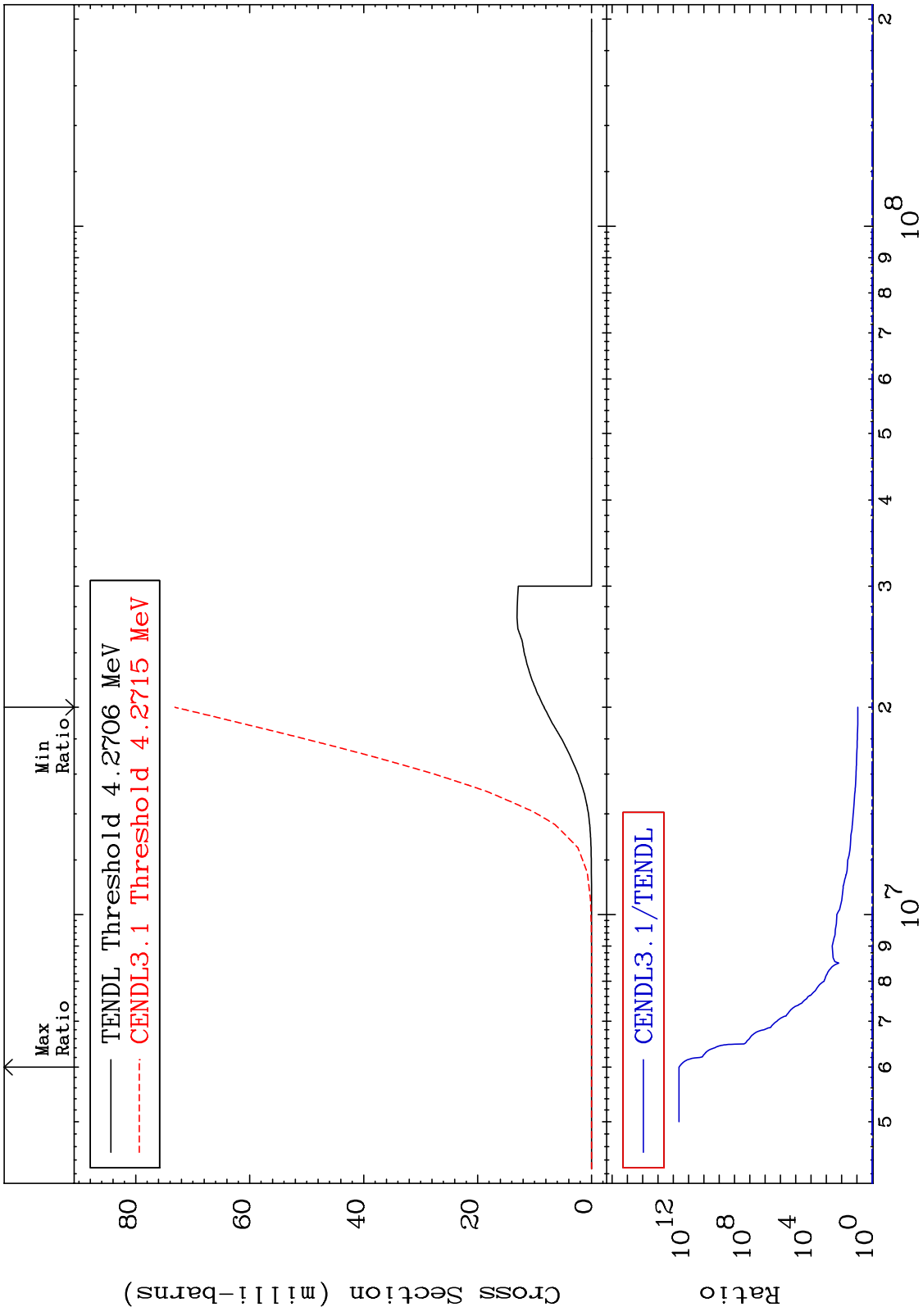
Incident Energy (eV)

63-Eu-154

17

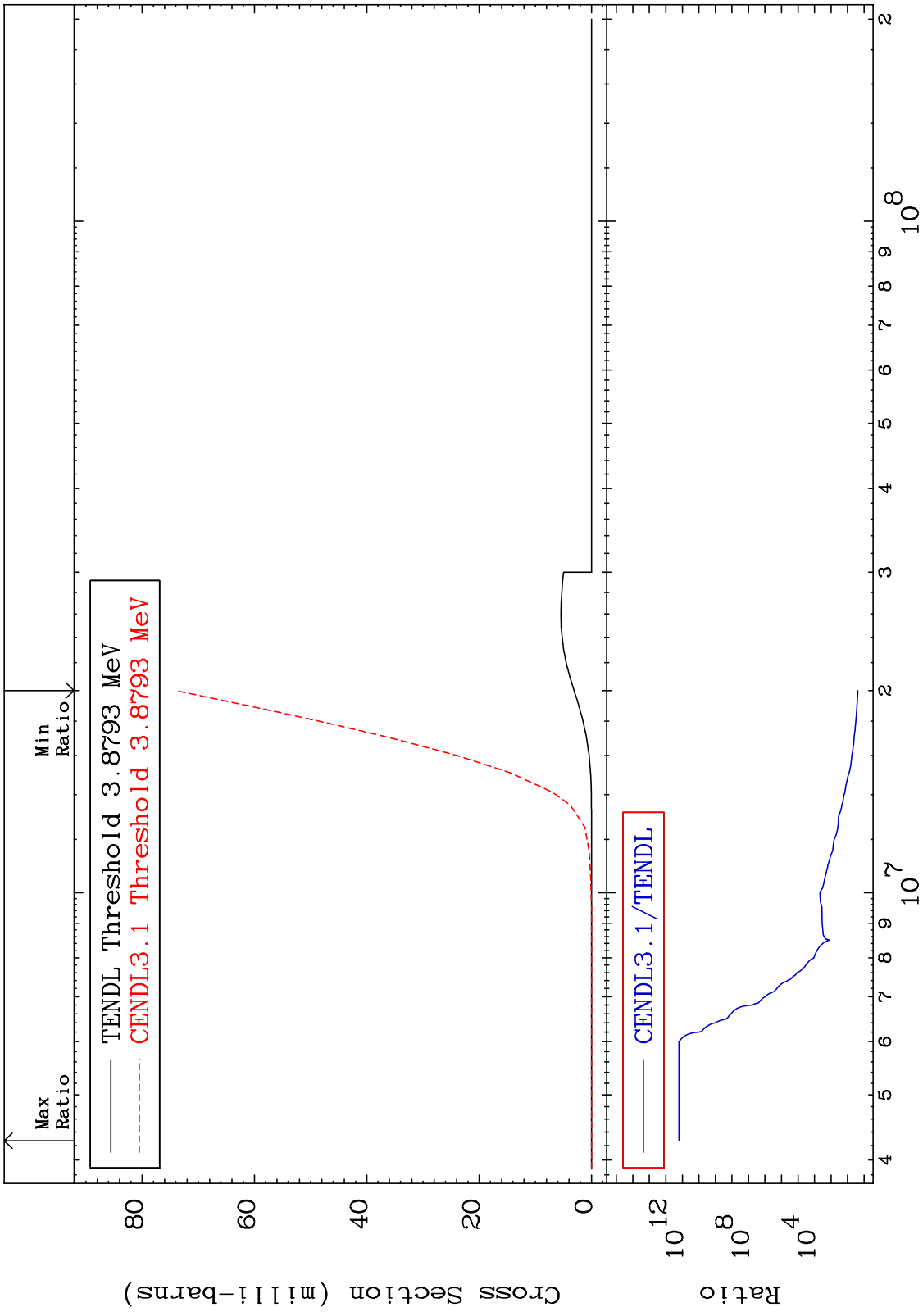


MAT 6334 (n,d) Cross Section 63-Eu-154  
 777.3 To 9999. %



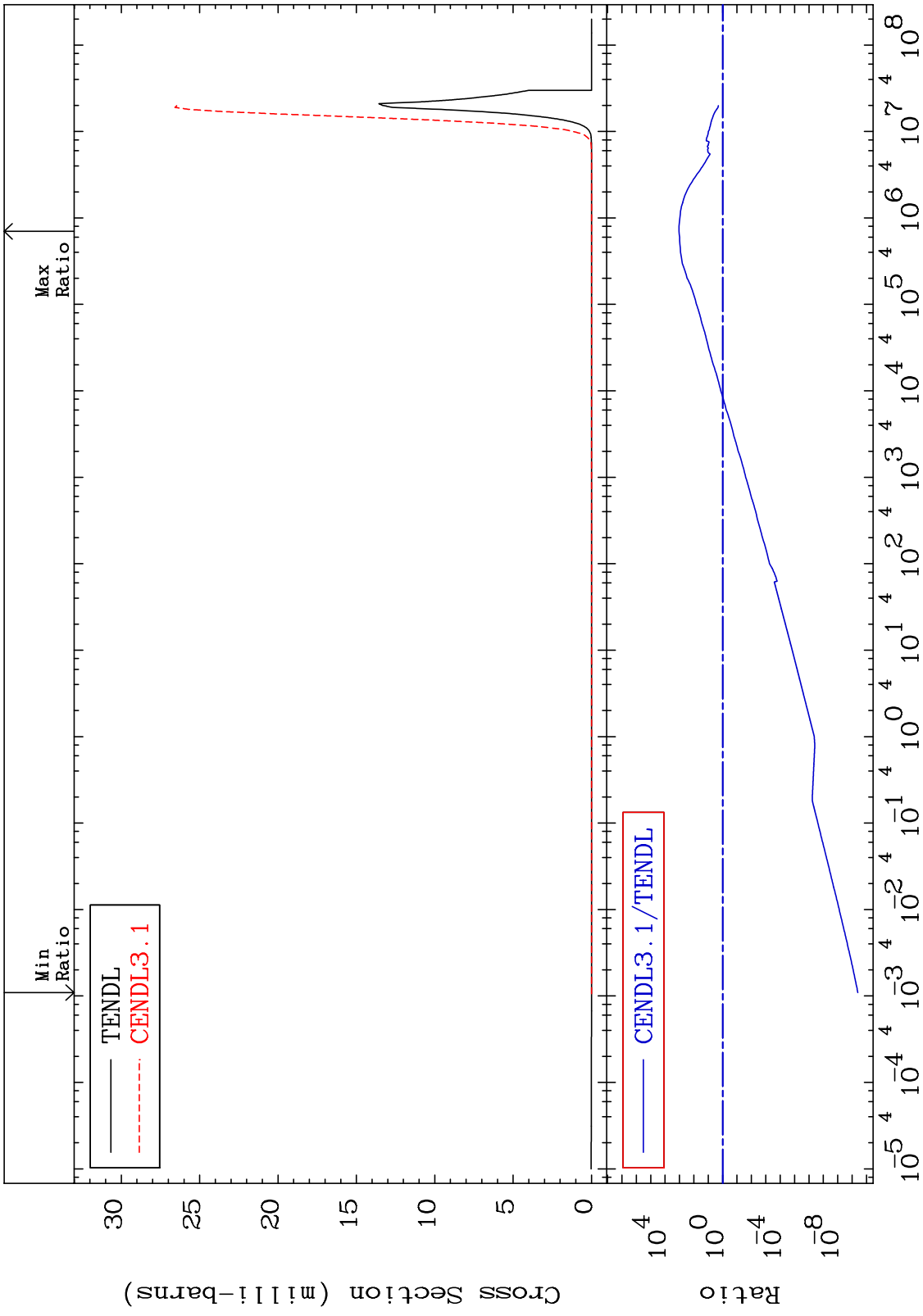
18 63-Eu-154 Incident Energy (eV)

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



19 63-Eu-154 Incident Energy (eV)

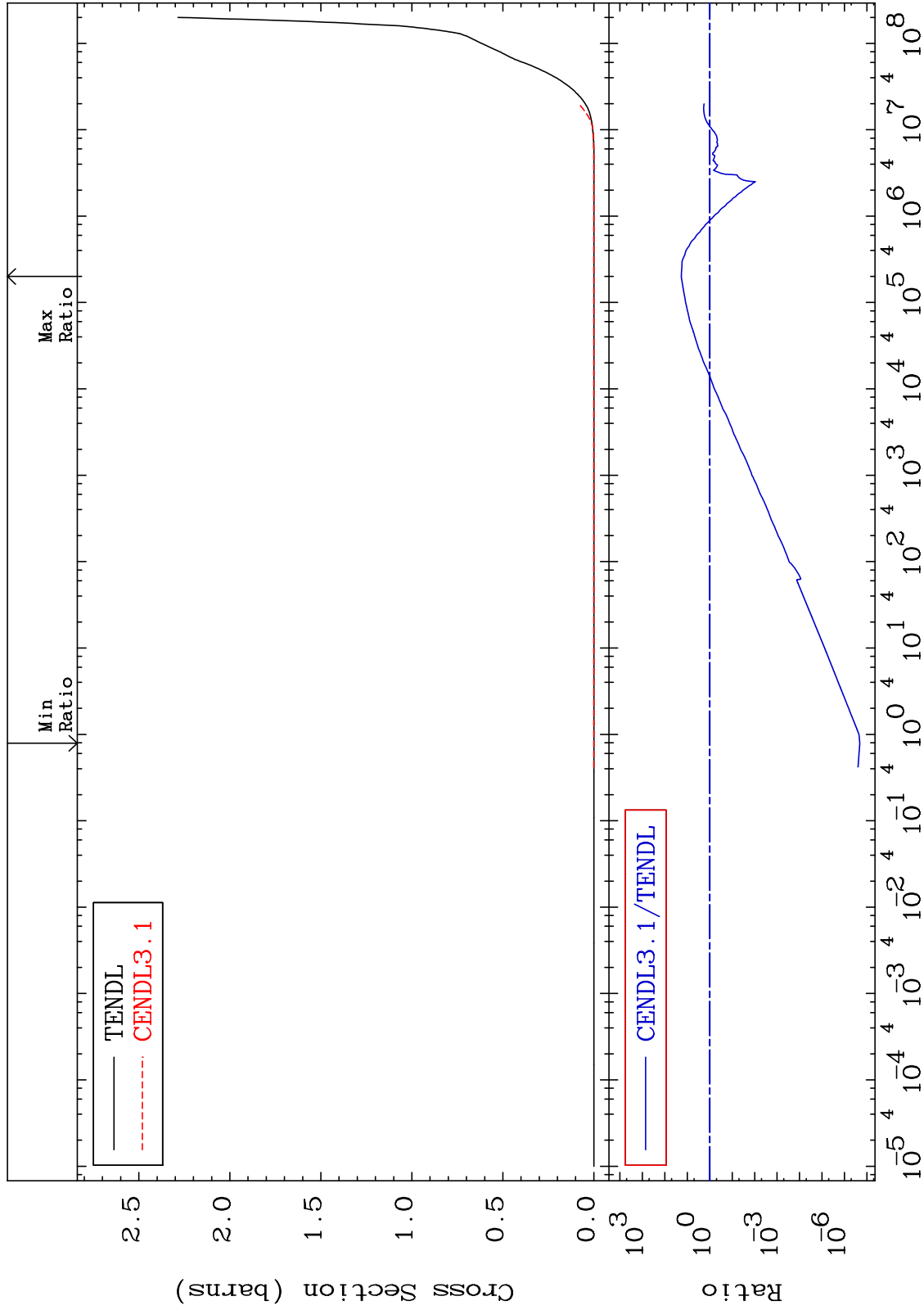
MAT 6334  $(n, \alpha)$  Cross Section  $^{63}\text{Eu}-154$  -100.0 To 9999. %

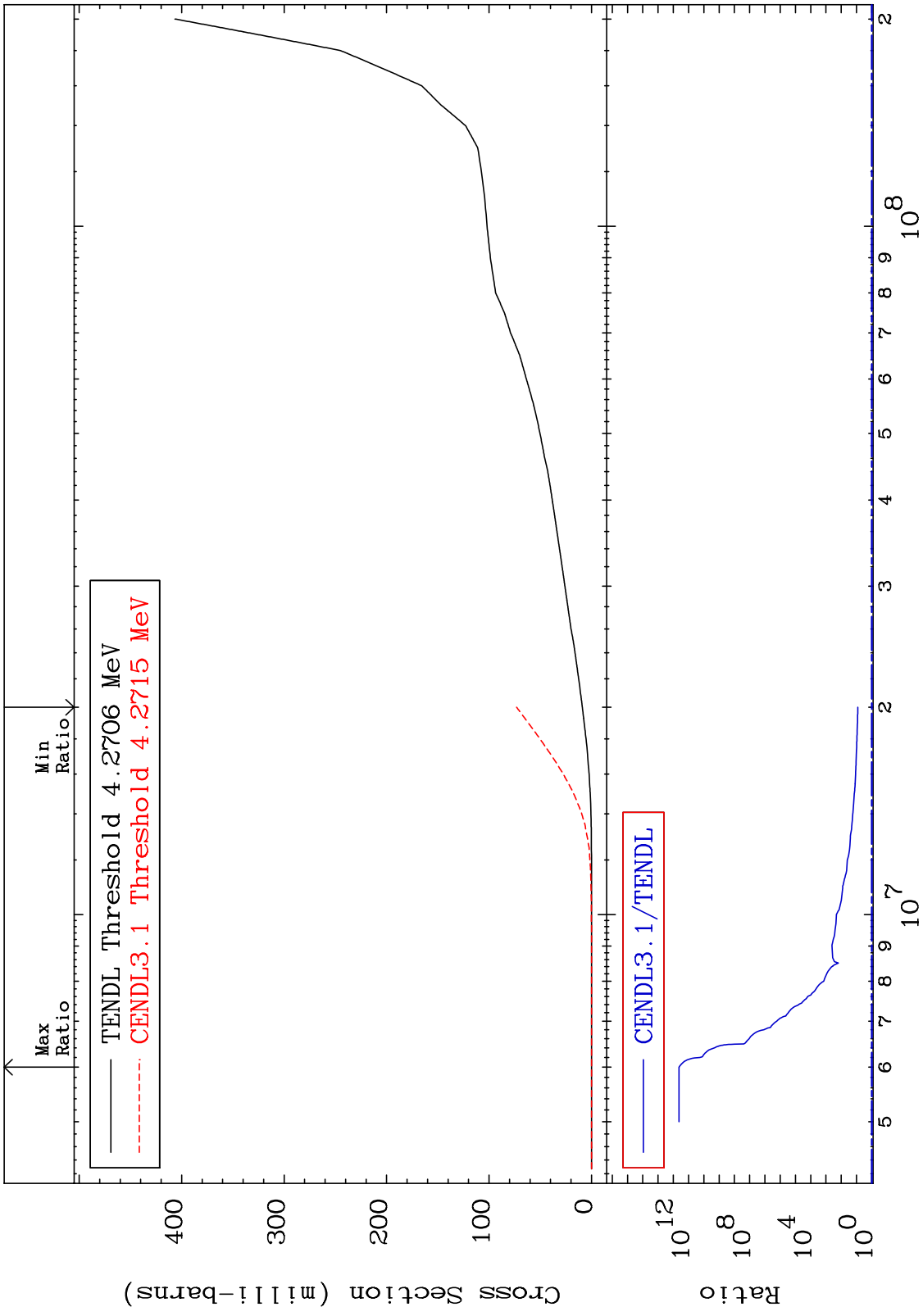


MAT 6334

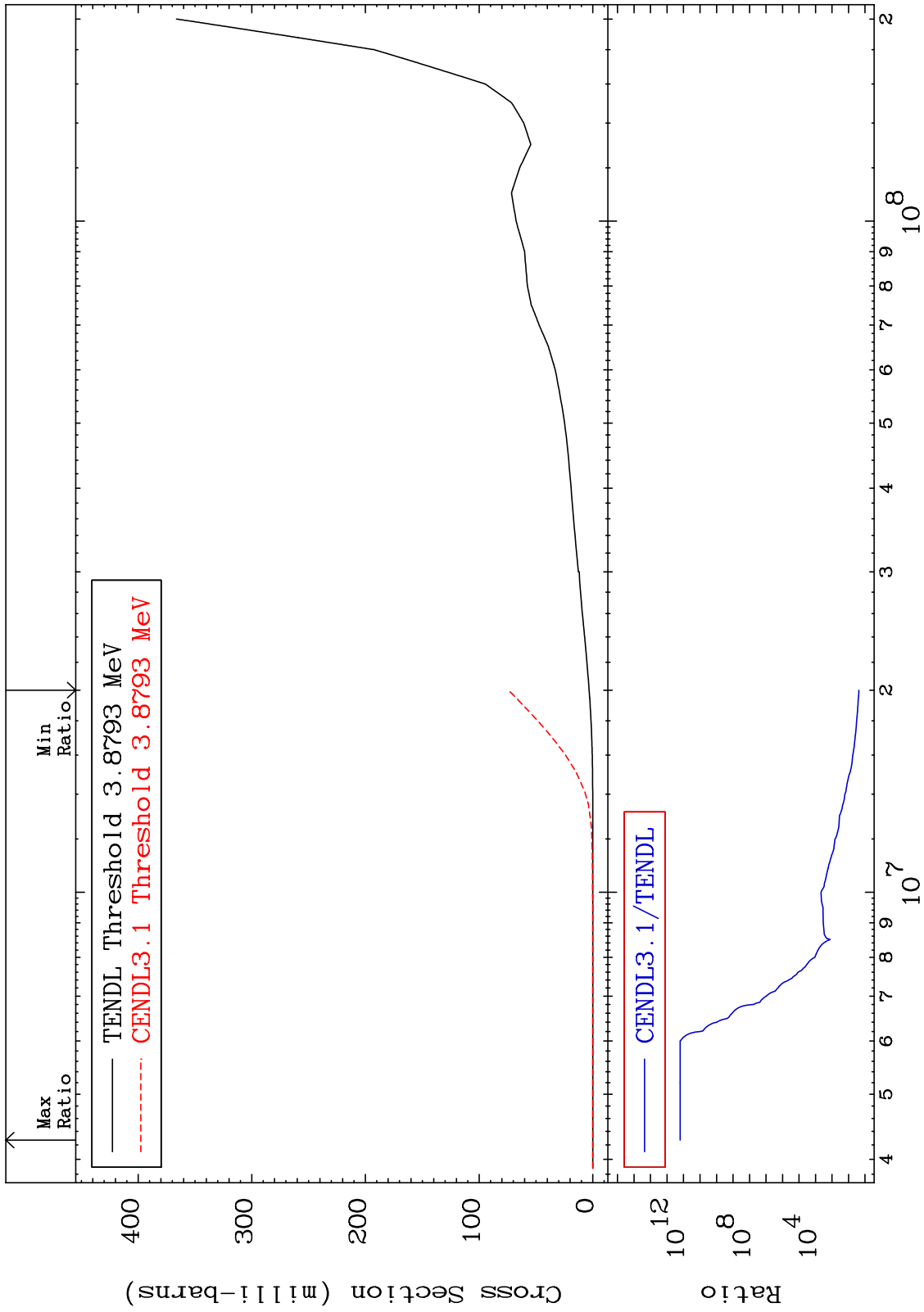
Hydrogen Production  
Cross Section

63-Eu-154  
-100.0 To 1754. %





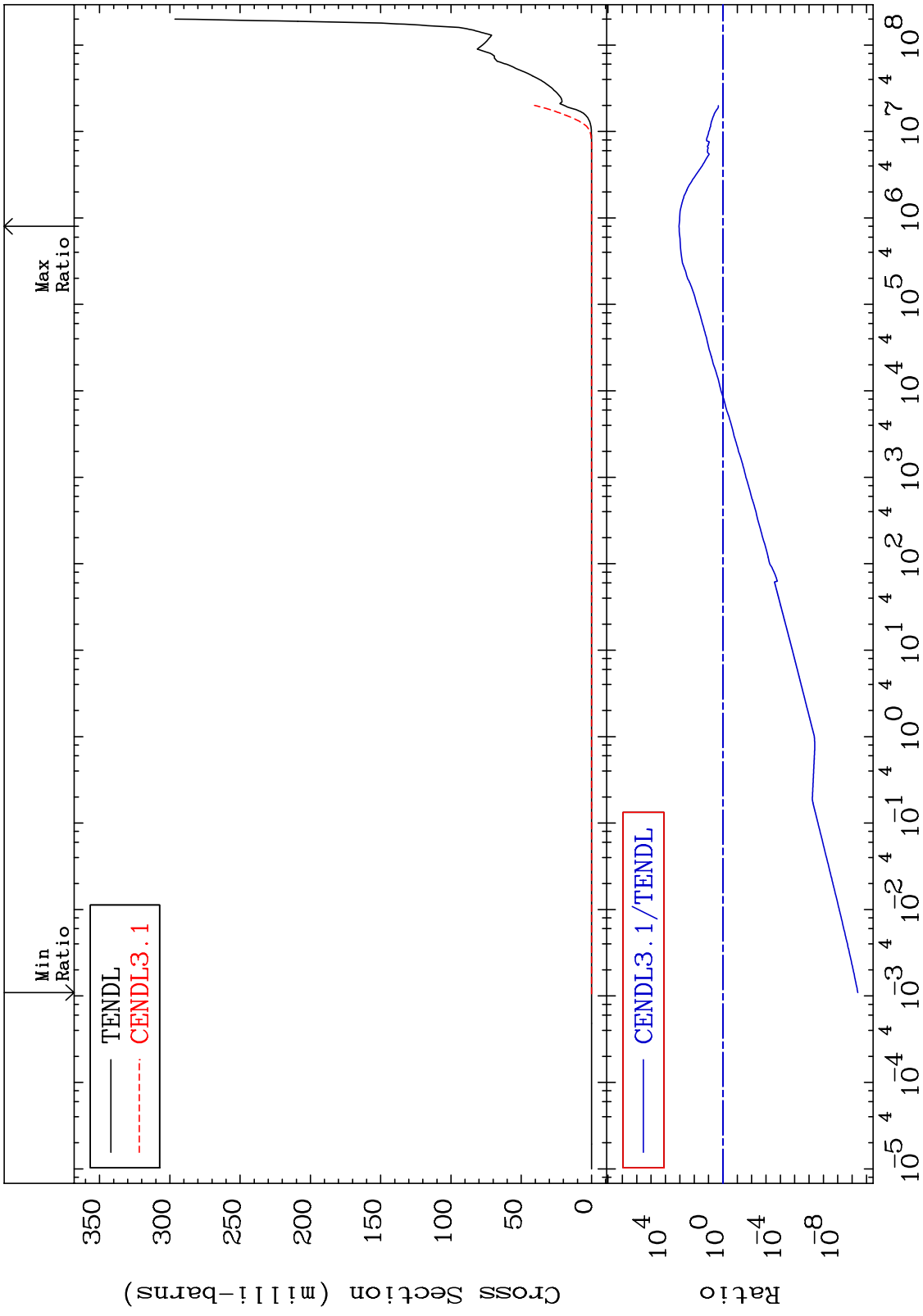
MAT 6334 Tritium Production Cross Section 63-Eu-154 2248. To 9999. %



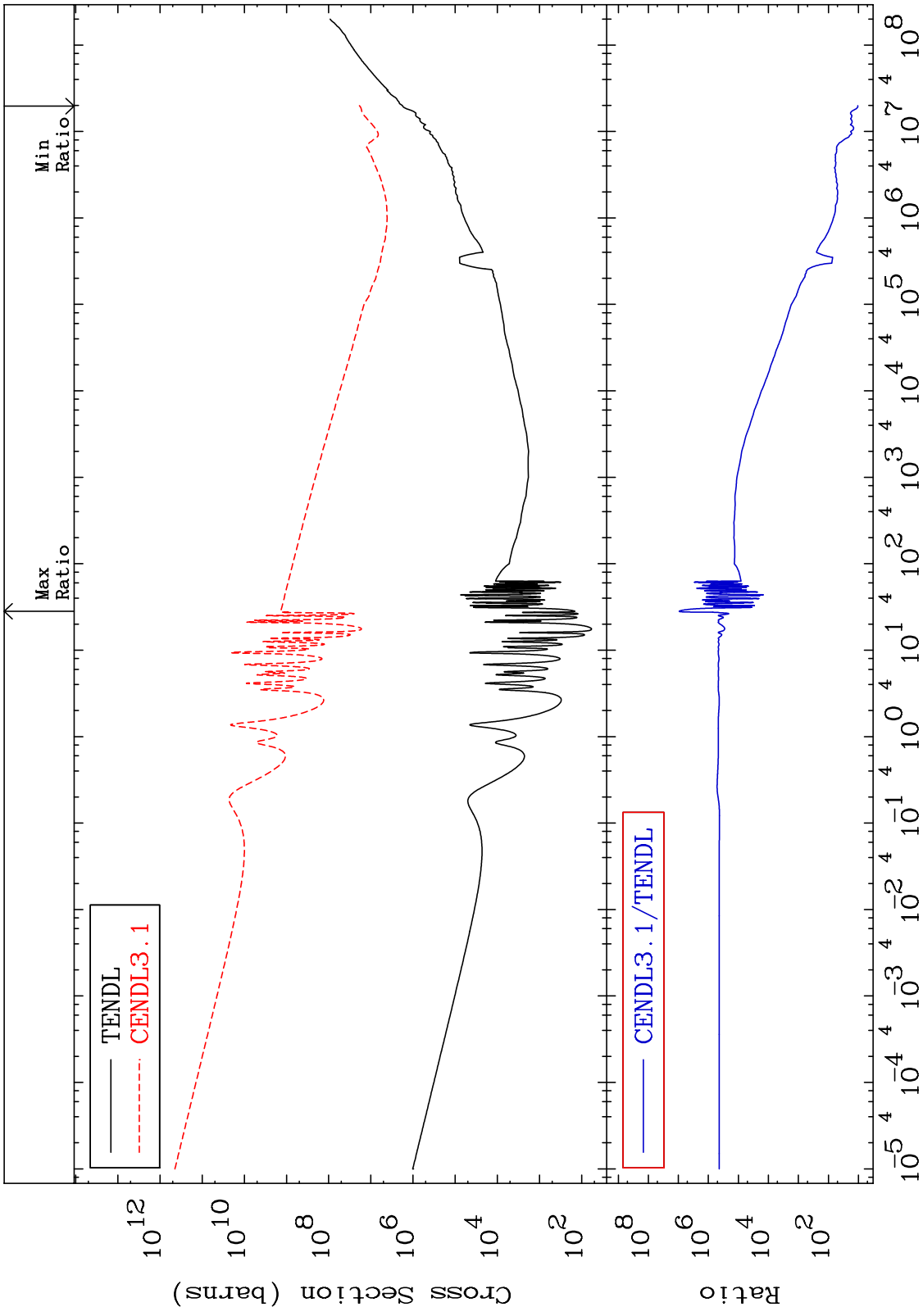
23 63-Eu-154 Incident Energy (eV)



MAT 6334 He-4 Production Cross Section 63-Eu-154  
 -100.0 To 9999. %



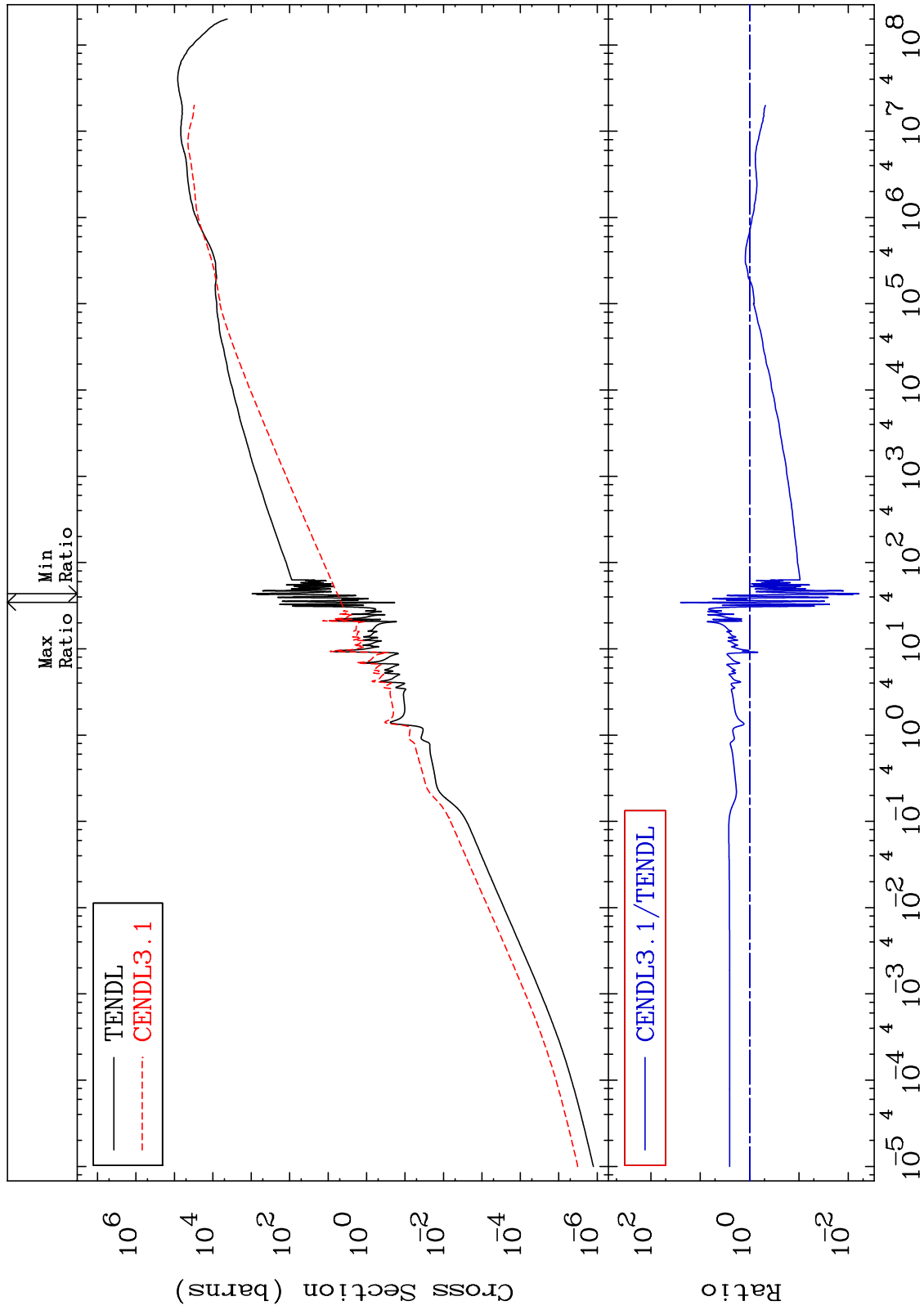
MAT 6334 Kerma total (eV-barns) Cross Section 63-Eu-154 945.4 To 9999. %



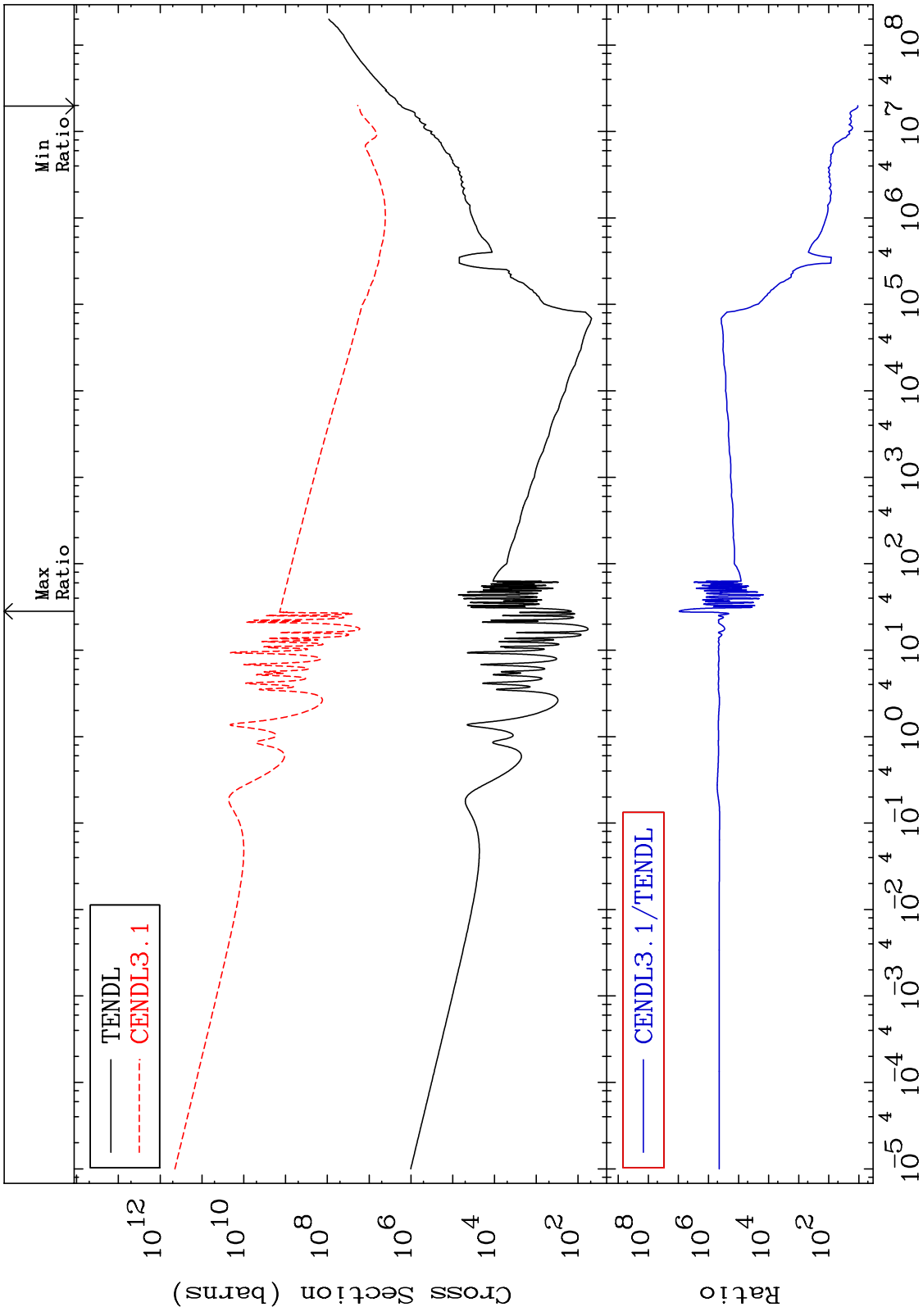
MAT 6334

Kerma elastic  
Cross Section

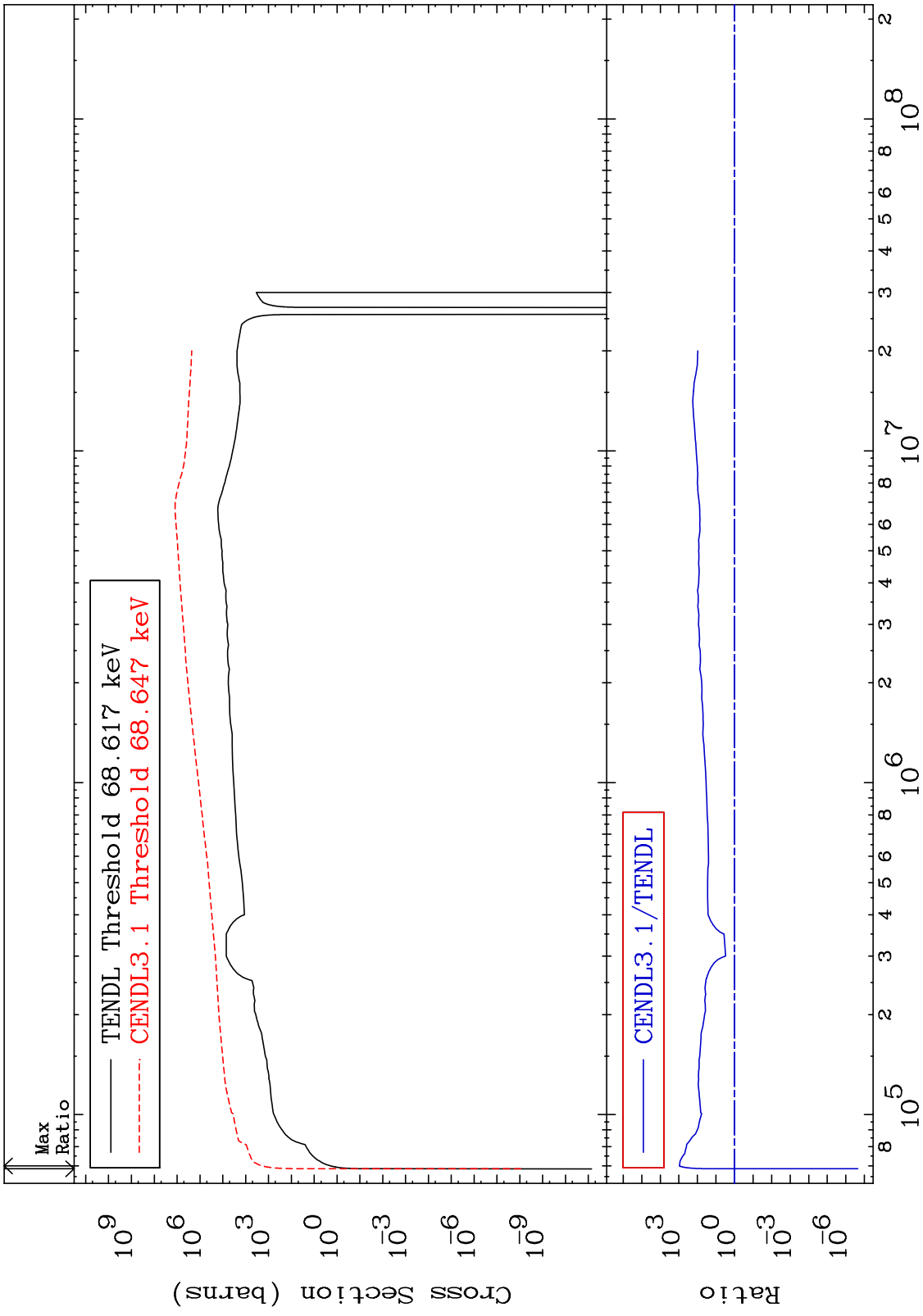
63-Eu-154  
-99.39 To 2399. %



MAT 6334 Kerma non-elastic (all but mt2) 63-Eu-154  
 Cross Section 982.9 To 9999. %



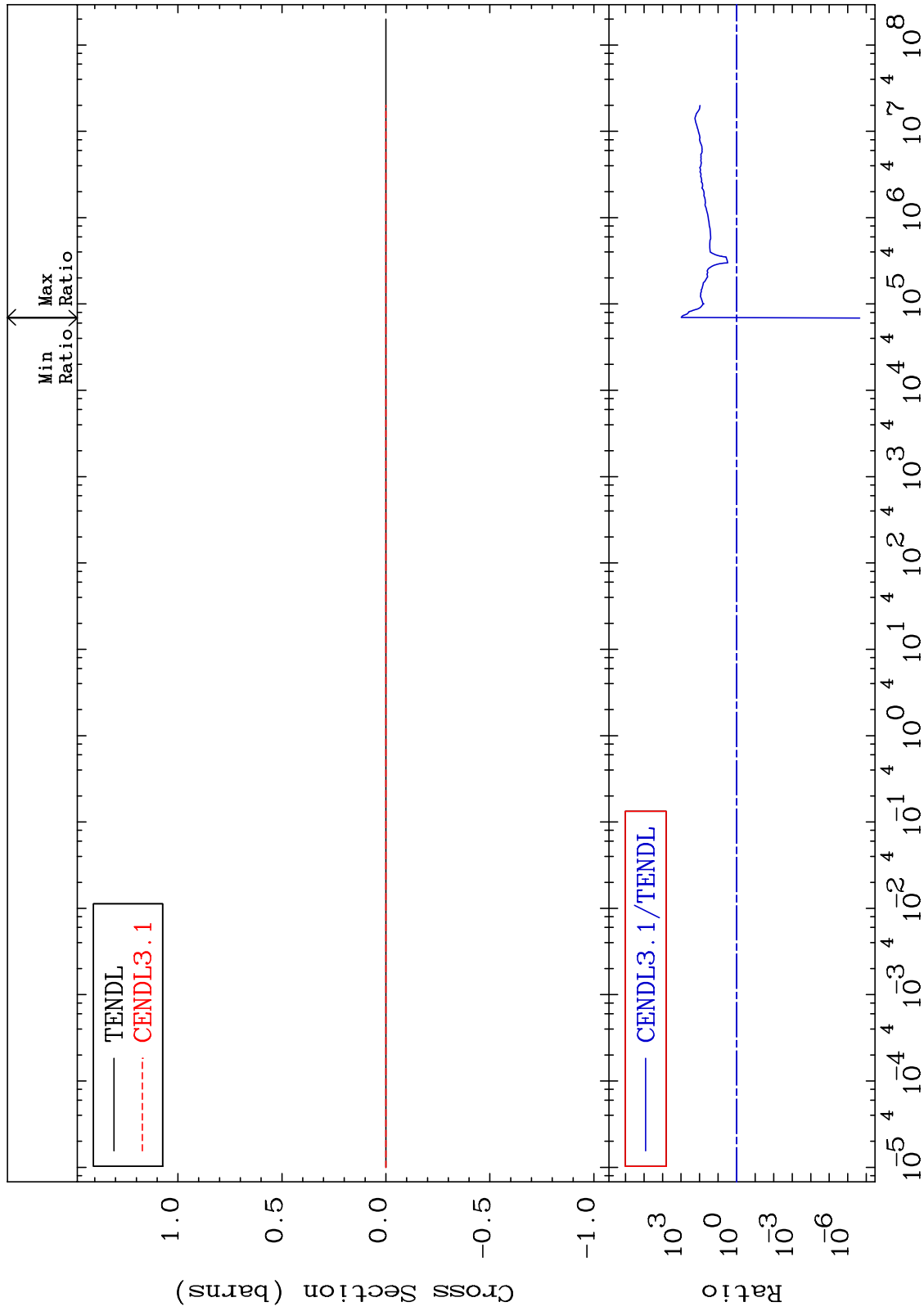
MAT 6334 Kerma inelastic (mt51-91) 63-Eu-154  
 -100.0 To 9999. %  
 Cross Section



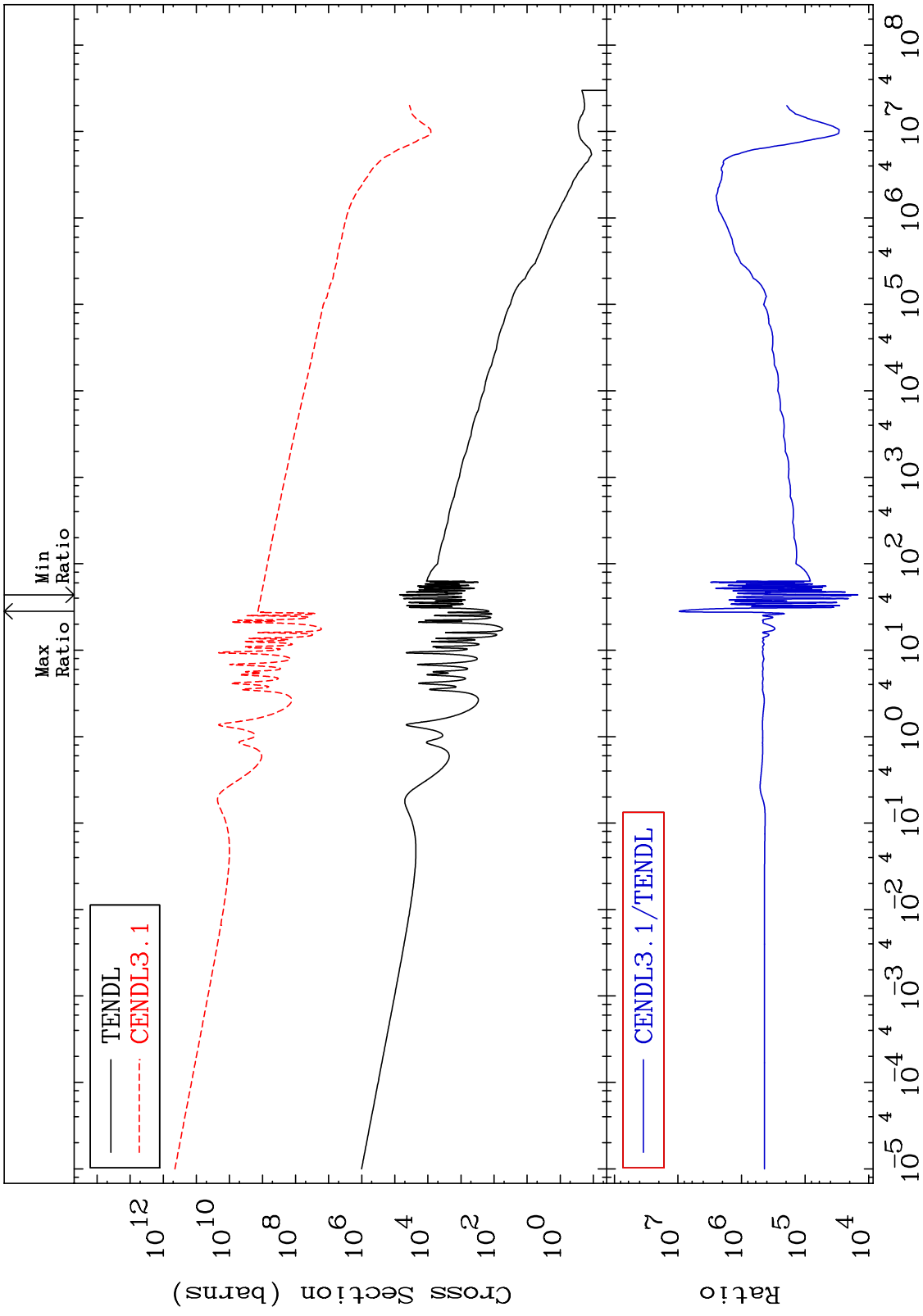
MAT 6334

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

63-Eu-154  
-100.0 To 9999. %

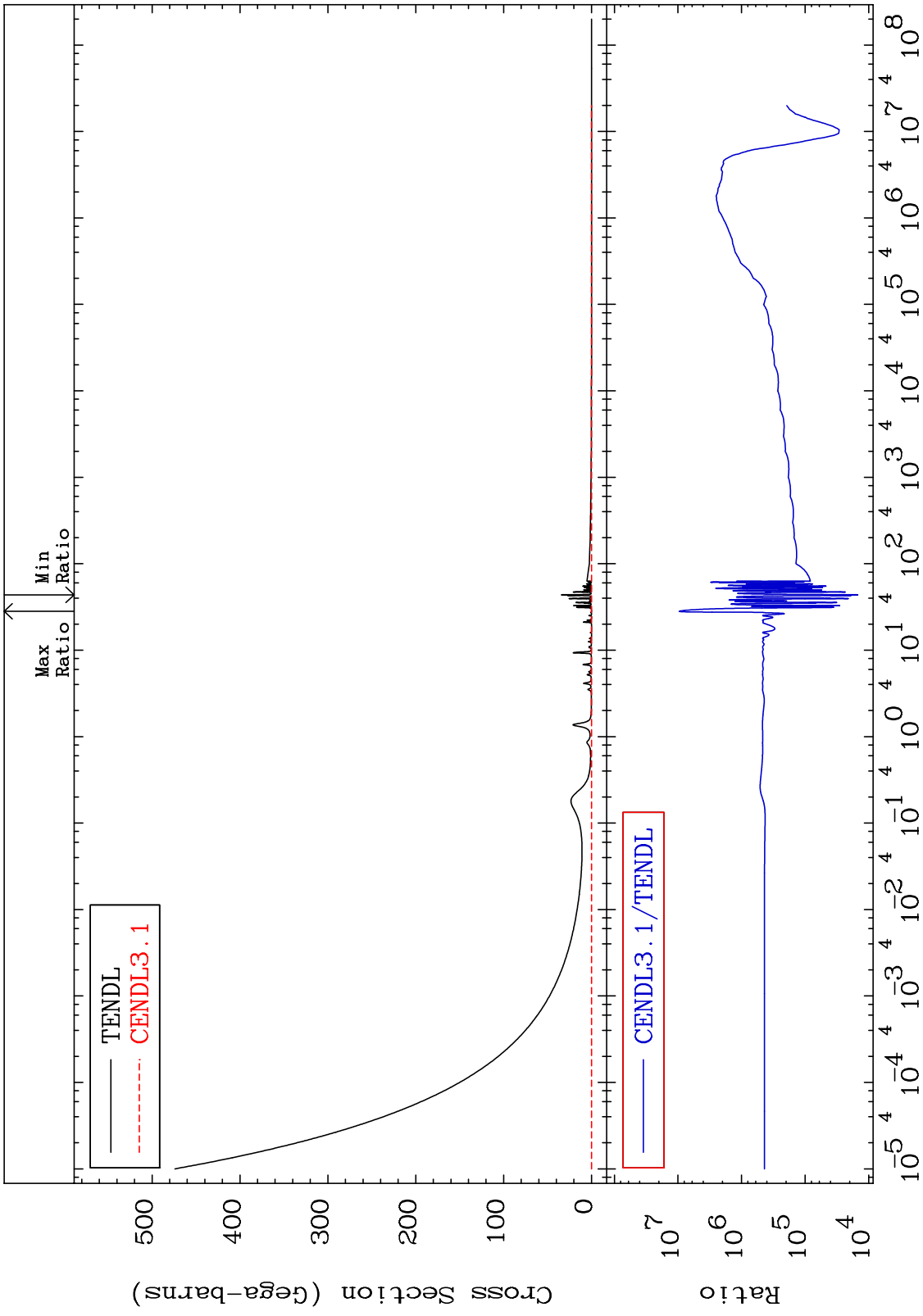


MAT 6334 Kerma capture (mt102) 63-Eu-154  
 Cross Section 9999. To 9999. %



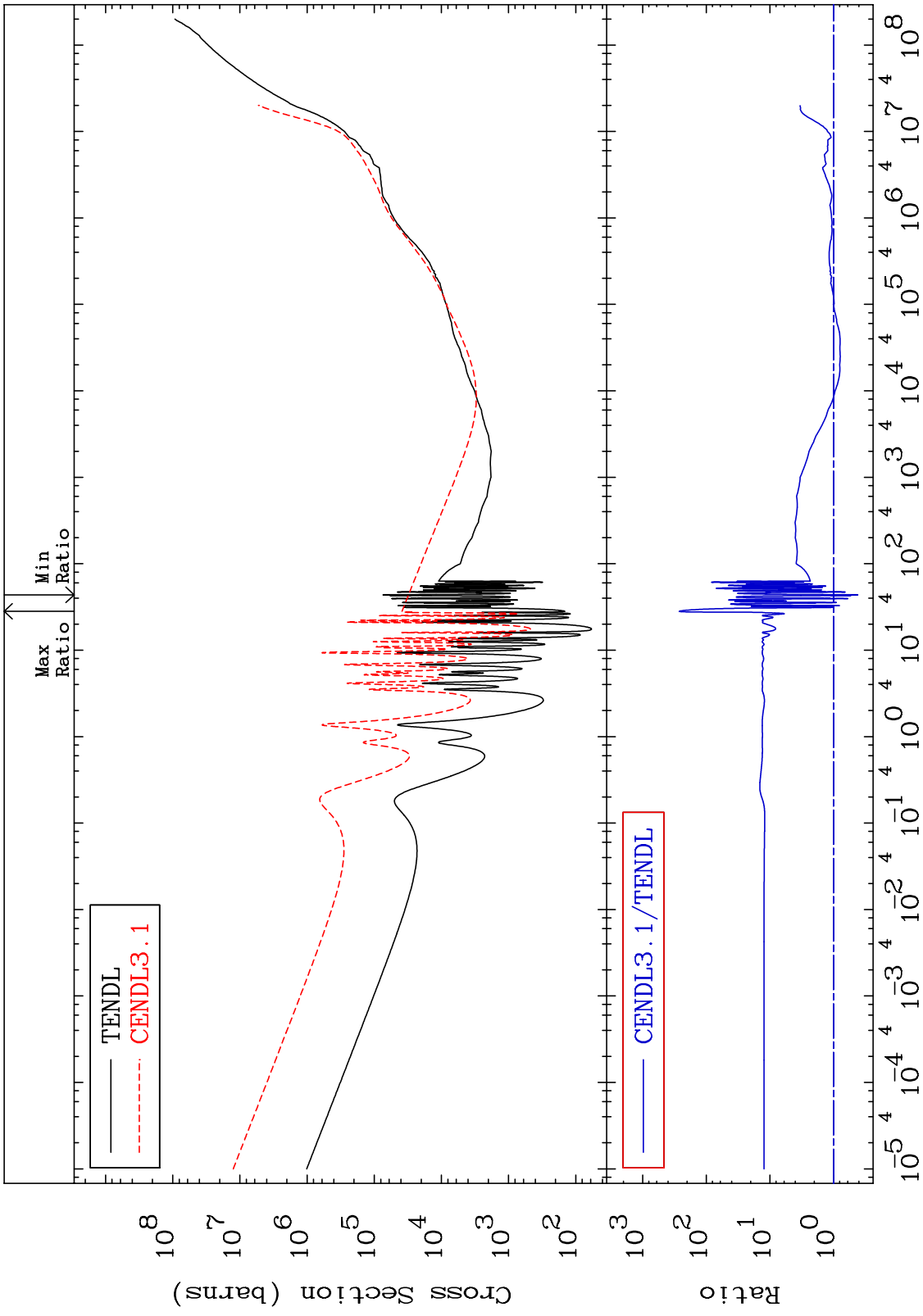
30 63-Eu-154

MAT 6334 Total photon (eV-barns) 63-Eu-154  
 Cross Section 9999. To 9999. %

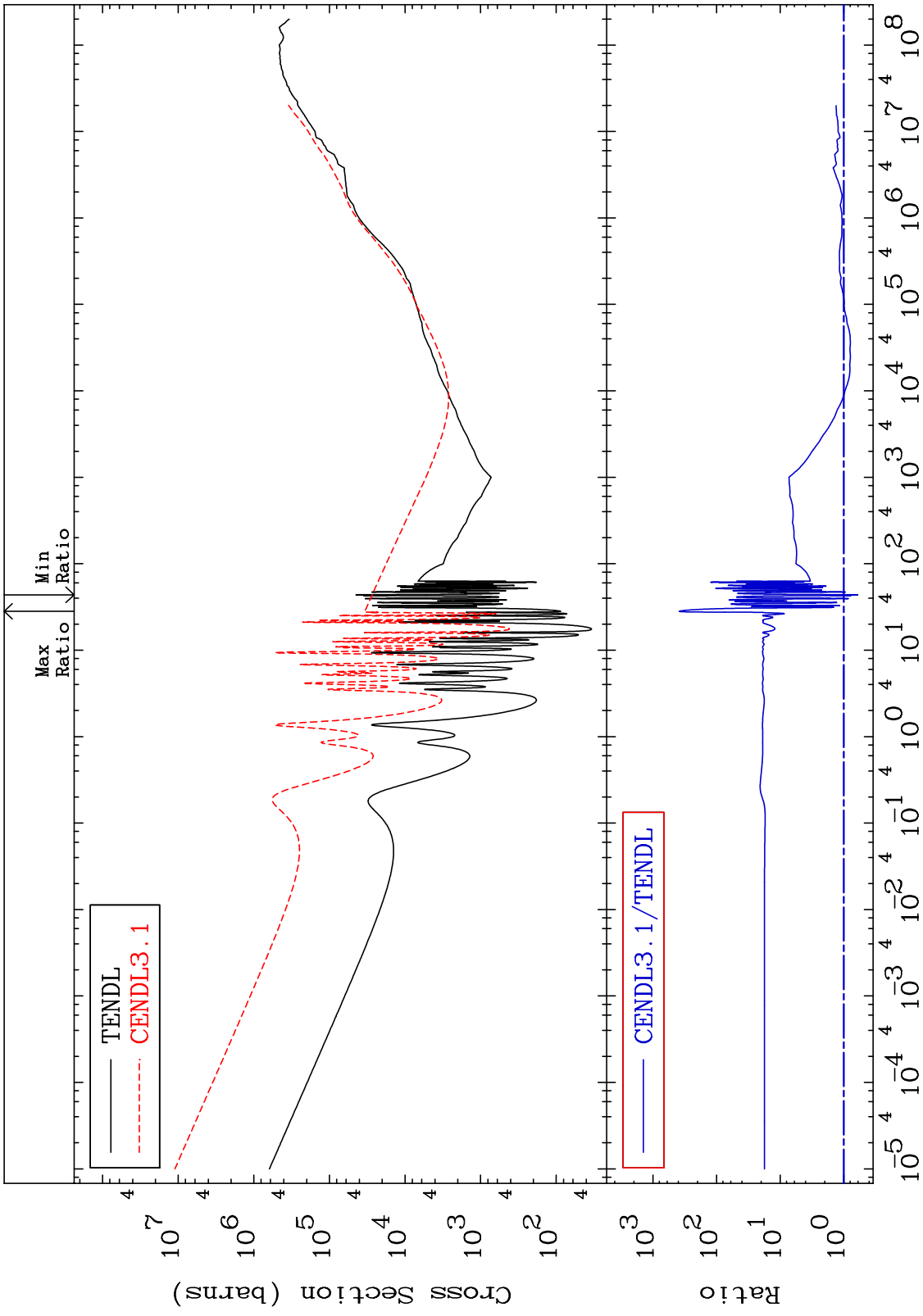




MAT 6334      Total kinematic kerma (high limit)      63-Eu-154  
 Cross Section      -58.50 To 9999. %

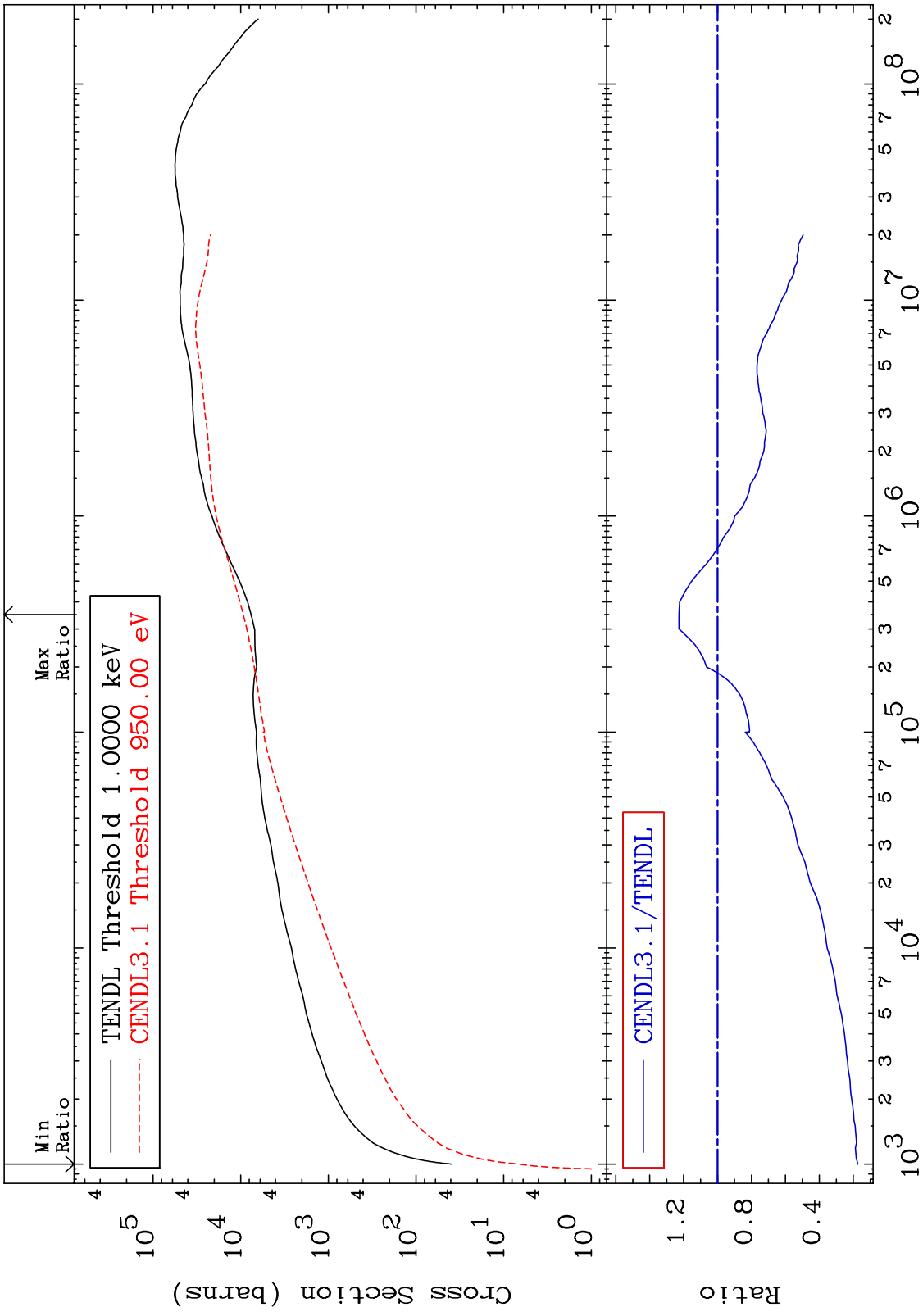


MAT 6334      Dpa total (eV-barns)      63-Eu-154  
 Cross Section      -39.70 To 9999. %

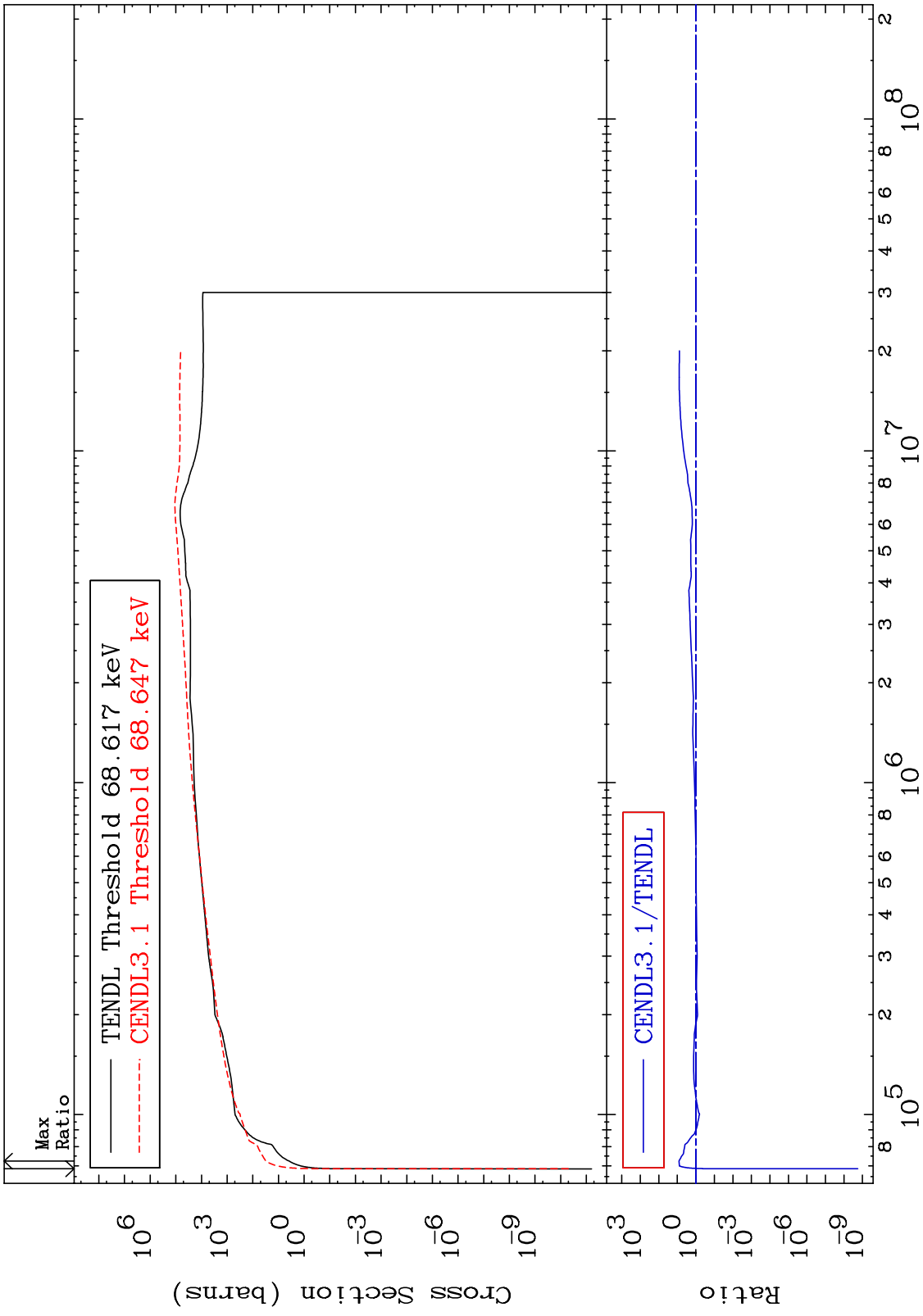


33      Incident Energy (eV)      63-Eu-154

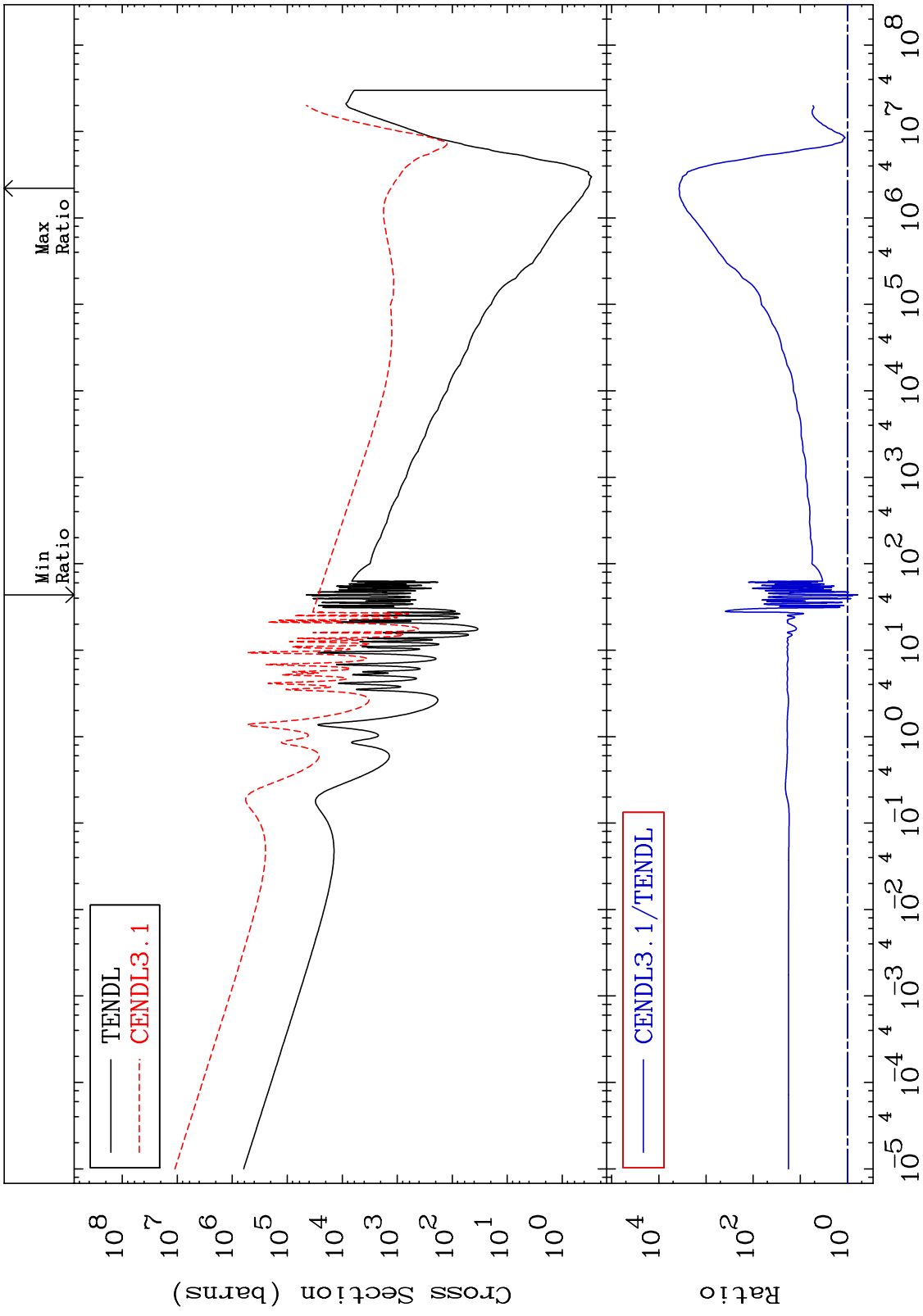
MAT 6334 63-Eu-154  
 Dpa elastic (mt2) -82.70 To 22.71 %  
 Cross Section



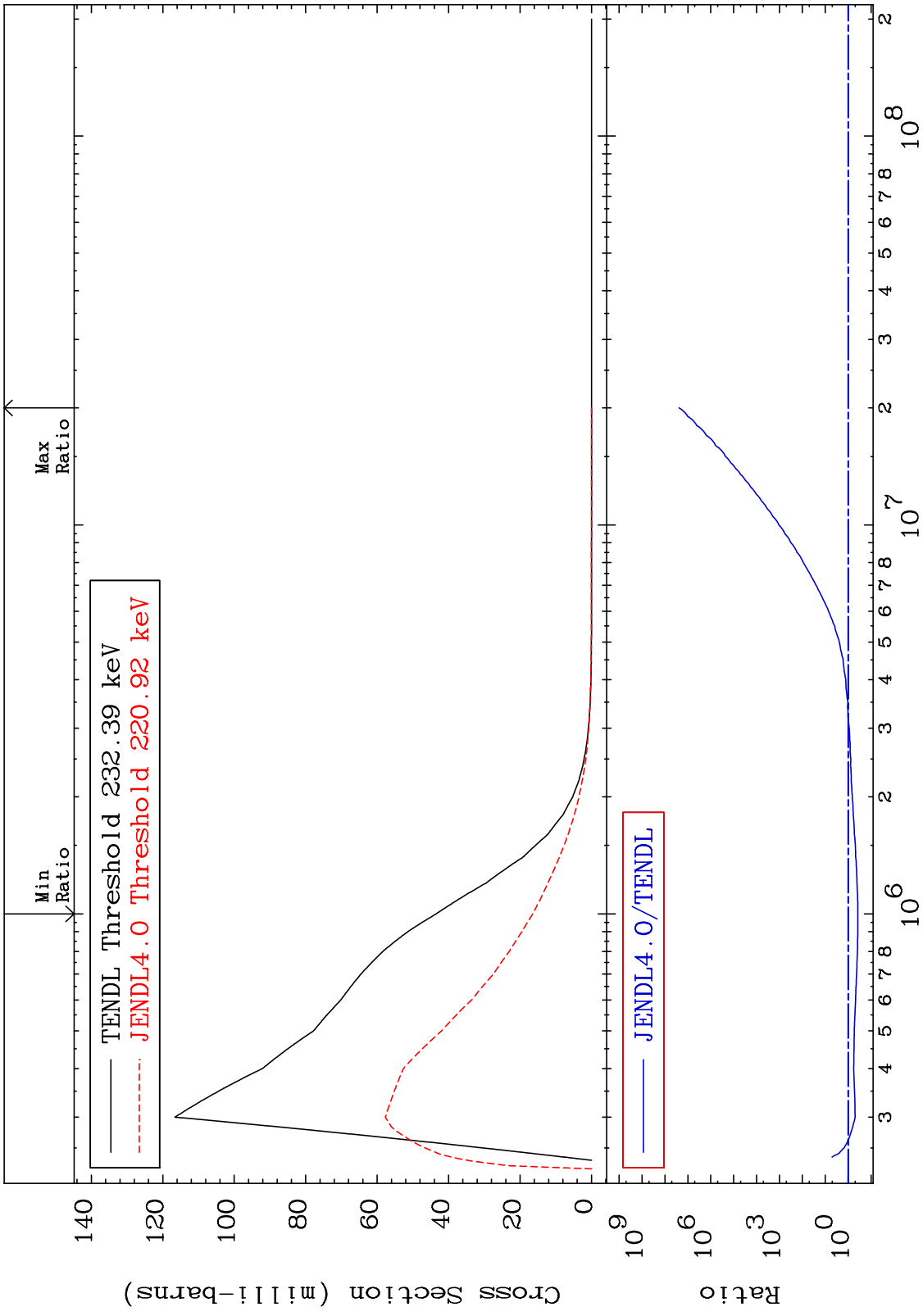
MAT 6334      Dpa inelastic (mt51-91)      63-Eu-154  
 Cross Section      -100.0 To 707.4 %



MAT 6334      Dpa disappearance (mt102 -120)      63-Eu-154  
 Cross Section      -39.70 To 9999. %



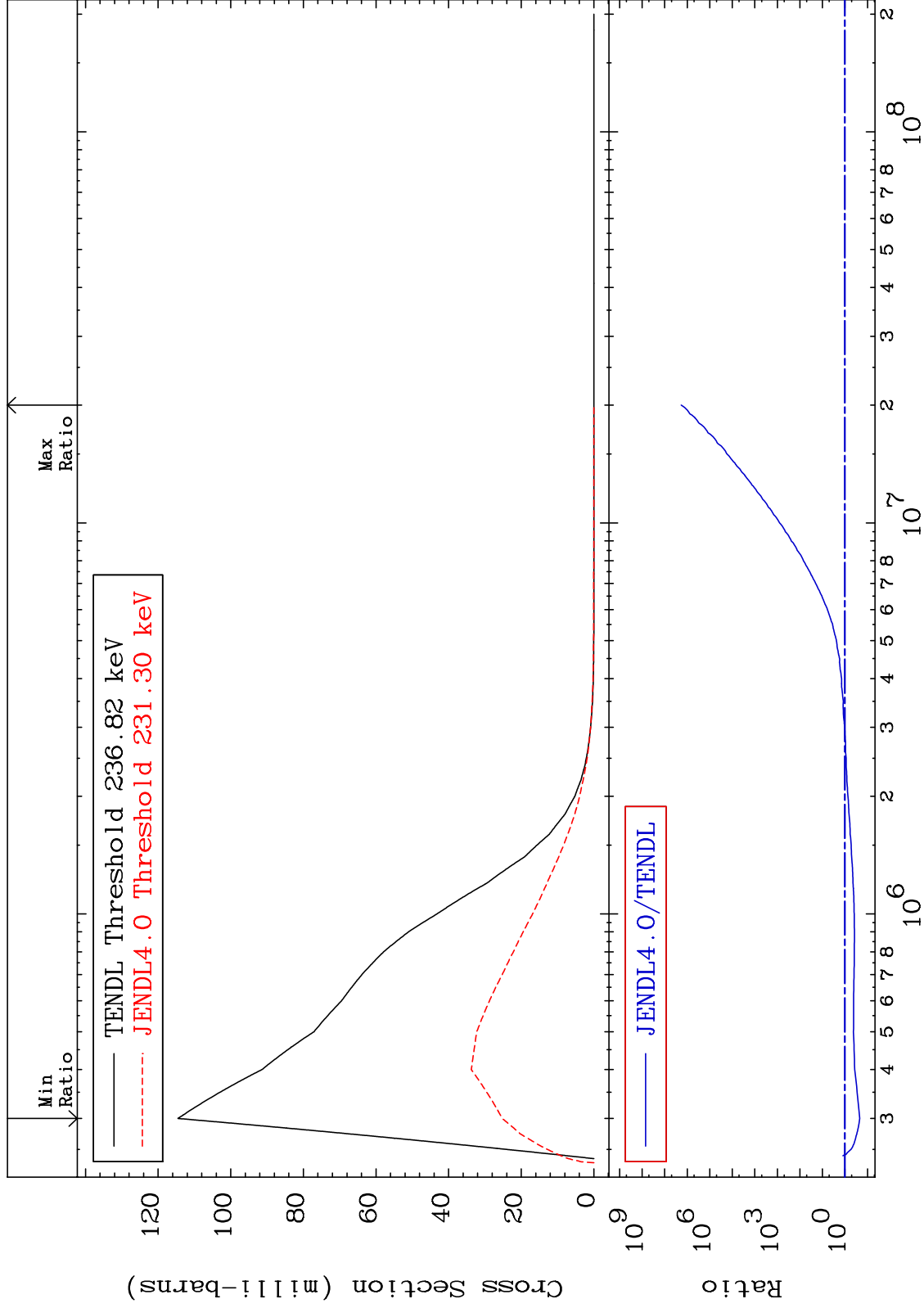
MAT 6334 MT= 76 (n,n') Level Cross Section 63-Eu-154 -62.18 To 9999. %



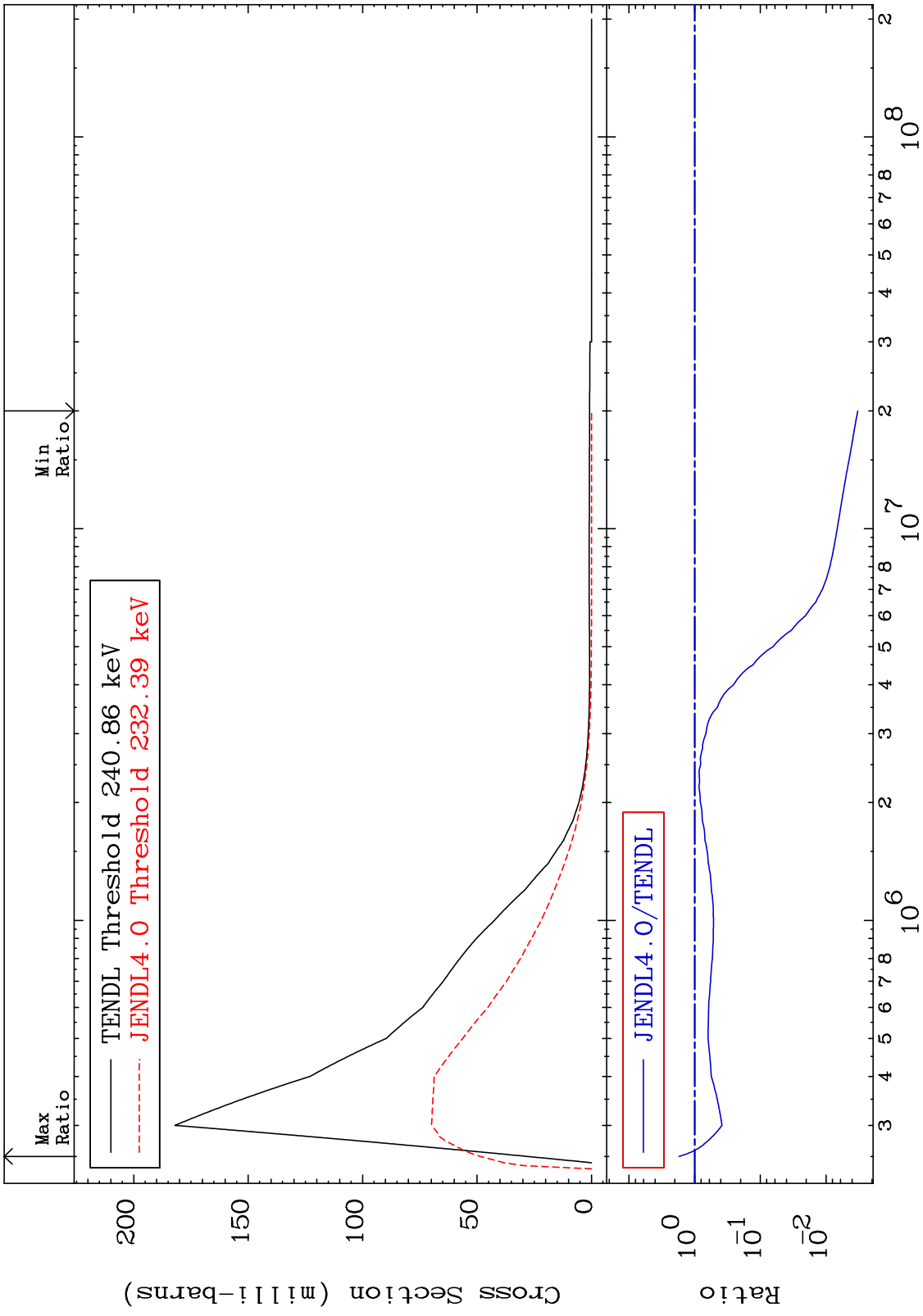
MAT 6334

MT= 77 (n,n') Level  
Cross Section

63-Eu-154  
-77.97 To 9999. %

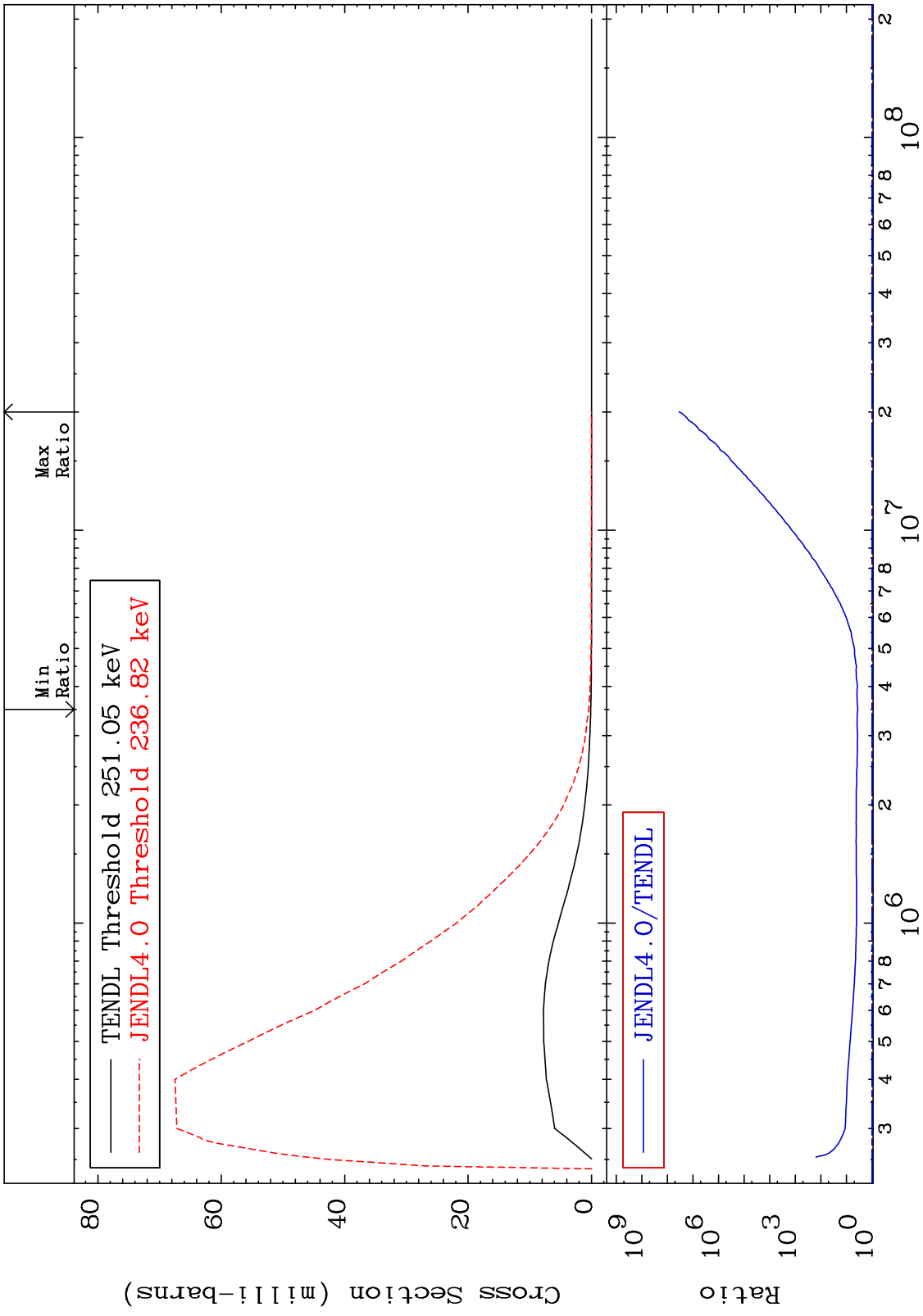


MAT 6334 MT= 78 (n,n') Level Cross Section 63-Eu-154  
 -99.67 To 73.10 %



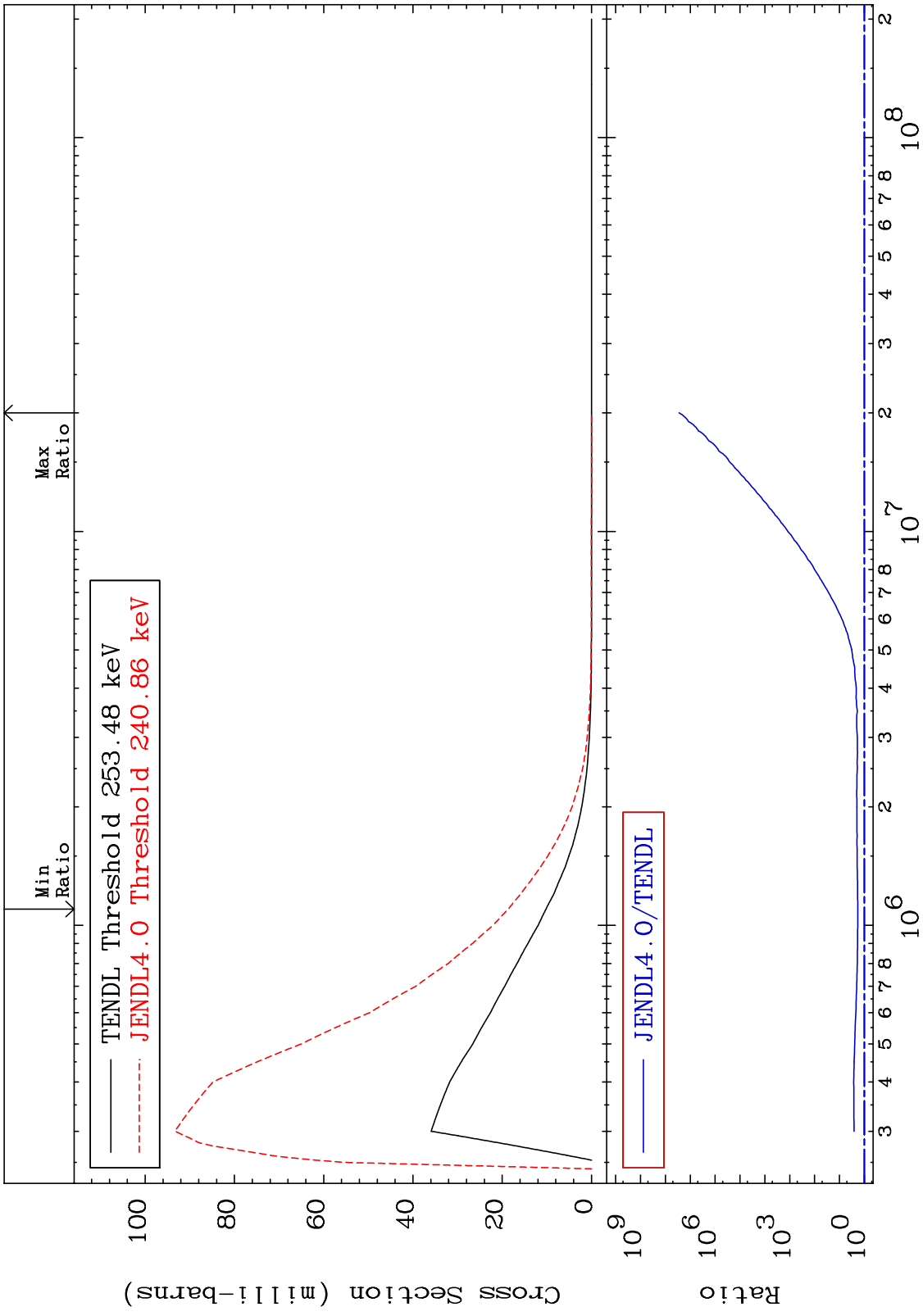


MAT 6334 MT= 79 (n,n') Level Cross Section 63-Eu-154 260.1 To 9999. %

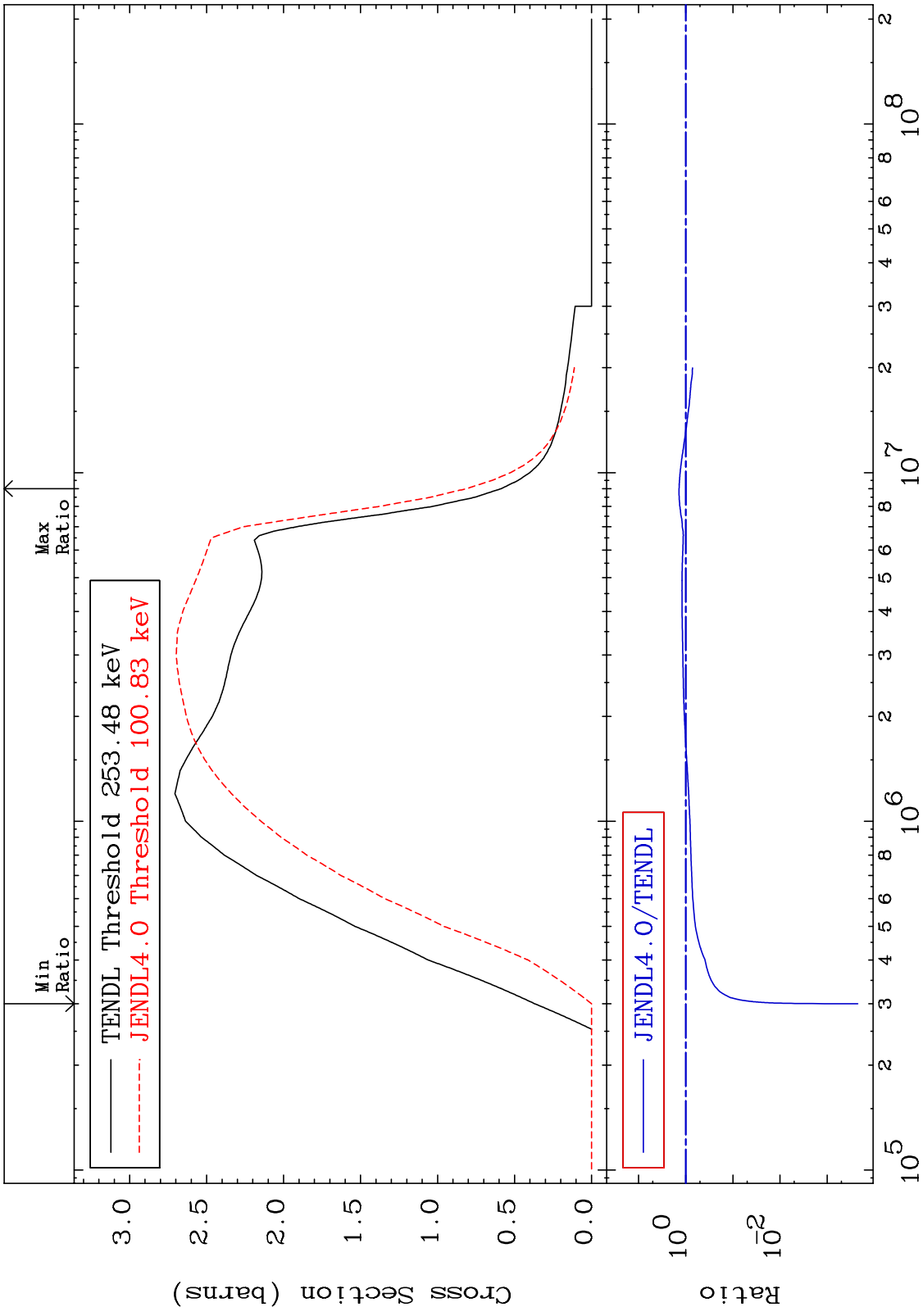


40 Incident Energy (eV) 63-Eu-154

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



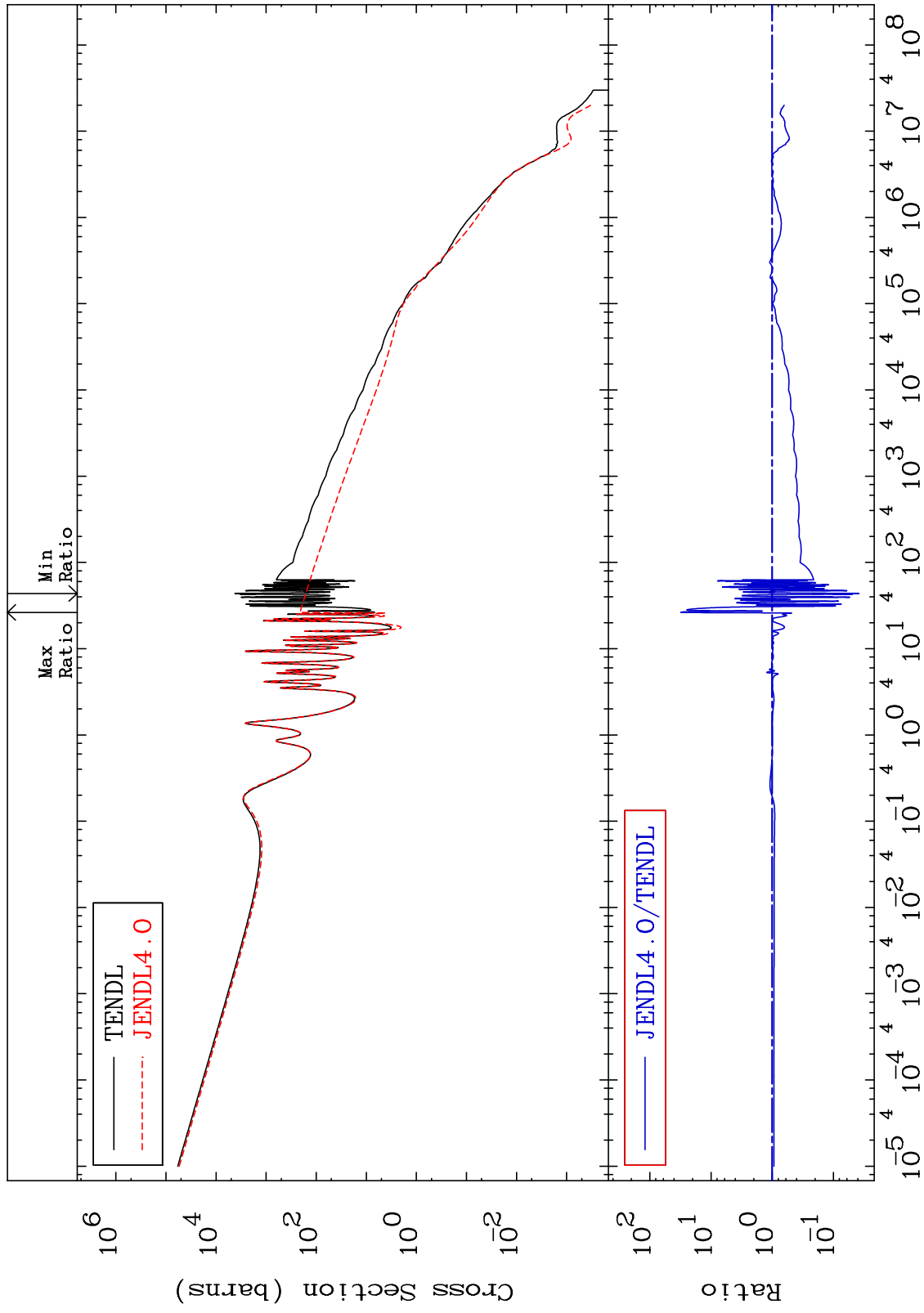
MAT 6334 (n,n') Continuum Cross Section 63-Eu-154 -99.98 To 38.43 %



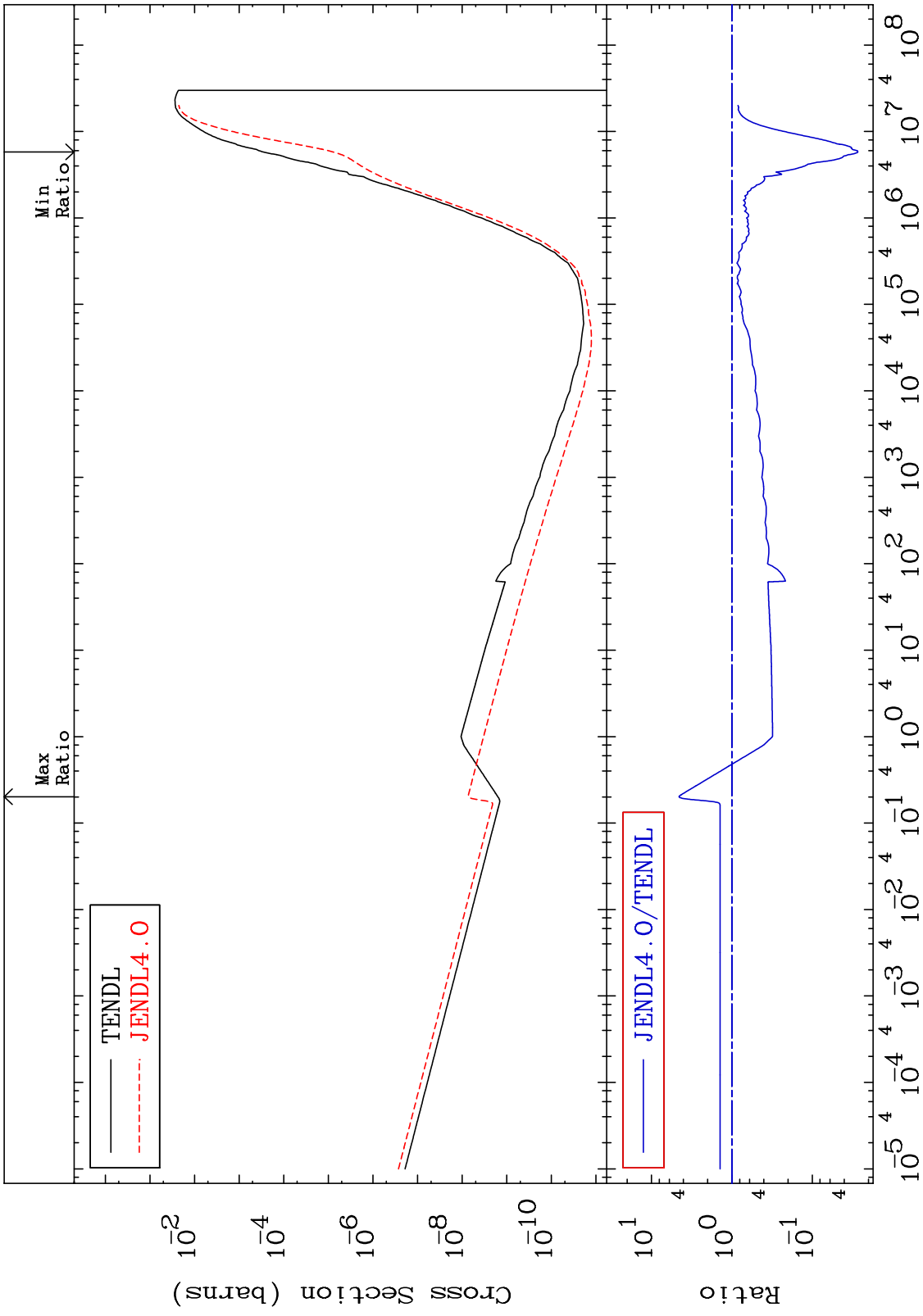
MAT 6334

(n,  $\gamma$ )  
Cross Section

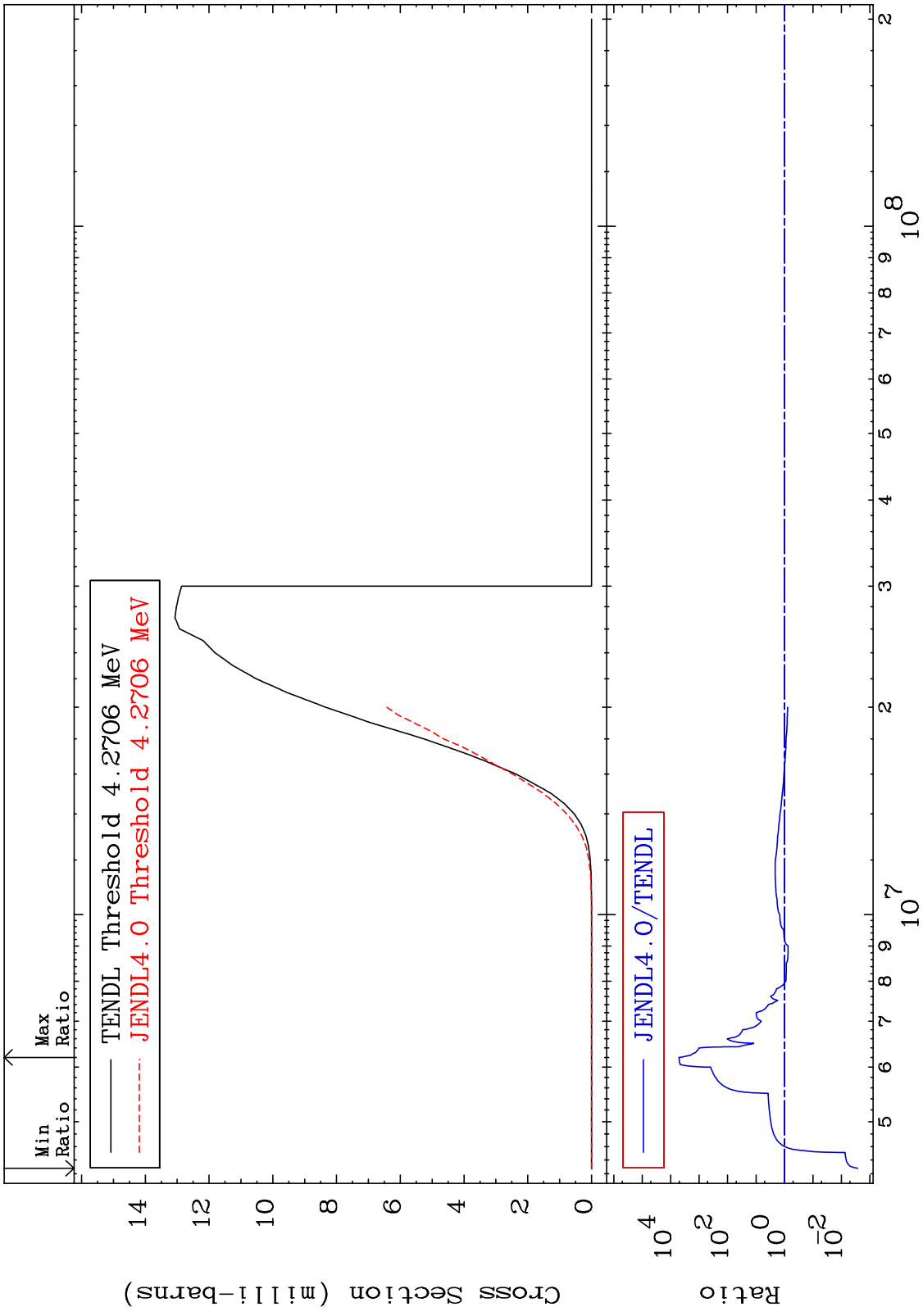
63-Eu-154  
-96.17 To 3032. %



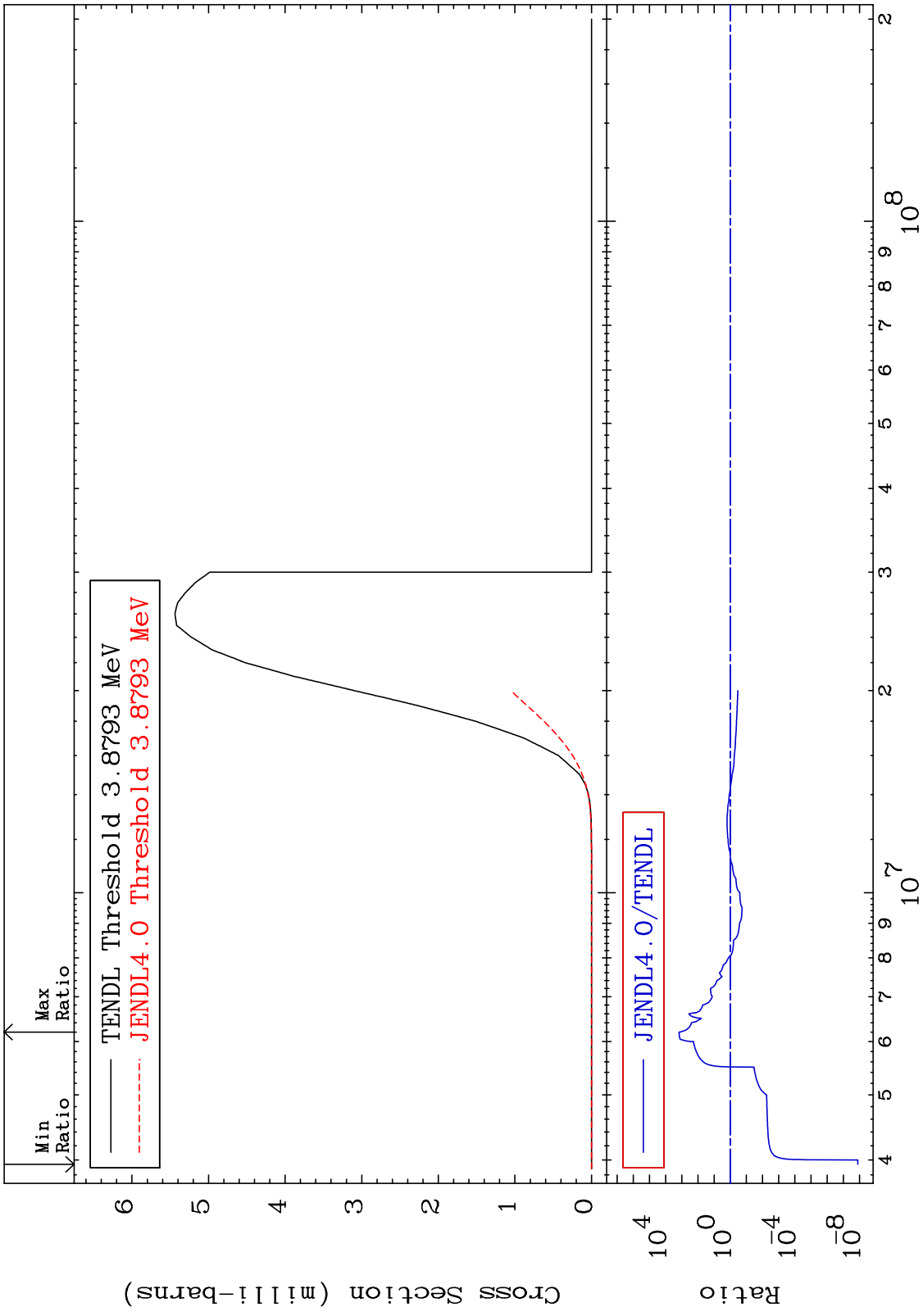
MAT 6334 (n,p) Cross Section 63-Eu-154 -97.29 To 353.8 %



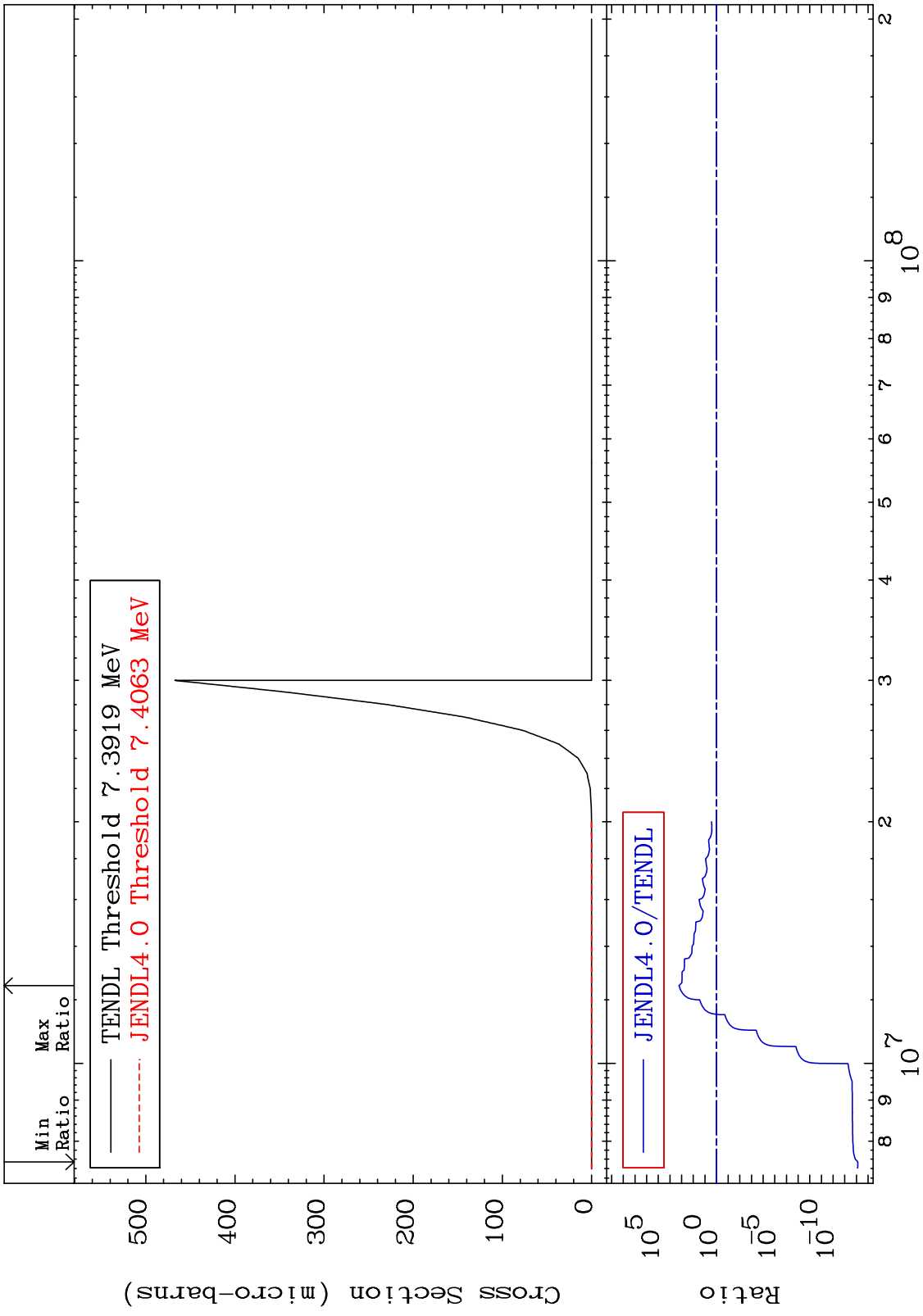
MAT 6334 (n,d) 63-Eu-154  
 Cross Section -99.74 To 9999. %



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



MAT 6334 (n, He-3) 63-Eu-154  
 Cross Section -100.0 To 9999. %



47 63-Eu-154 Incident Energy (eV)



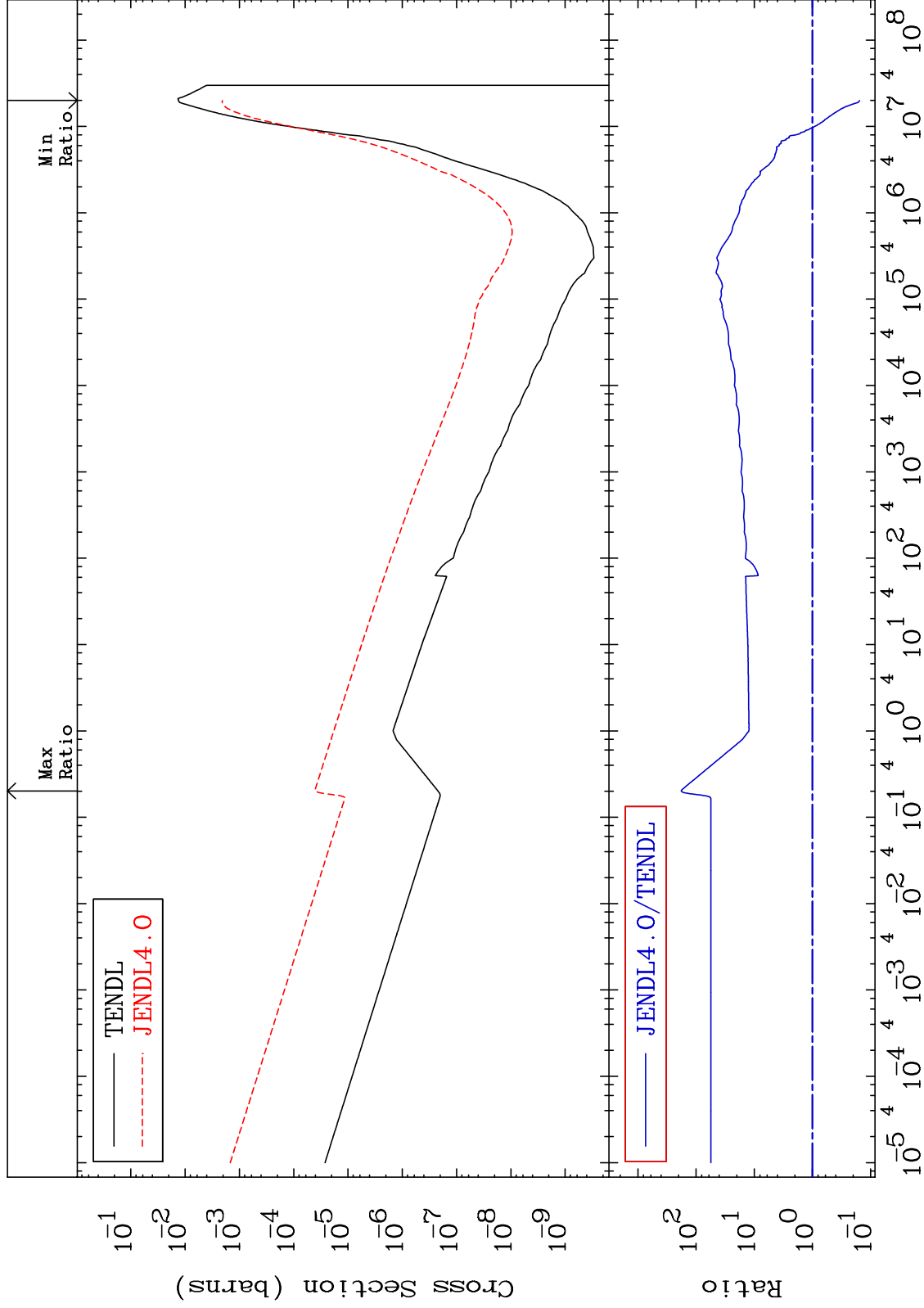
MAT 6334

(n,  $\alpha$ )

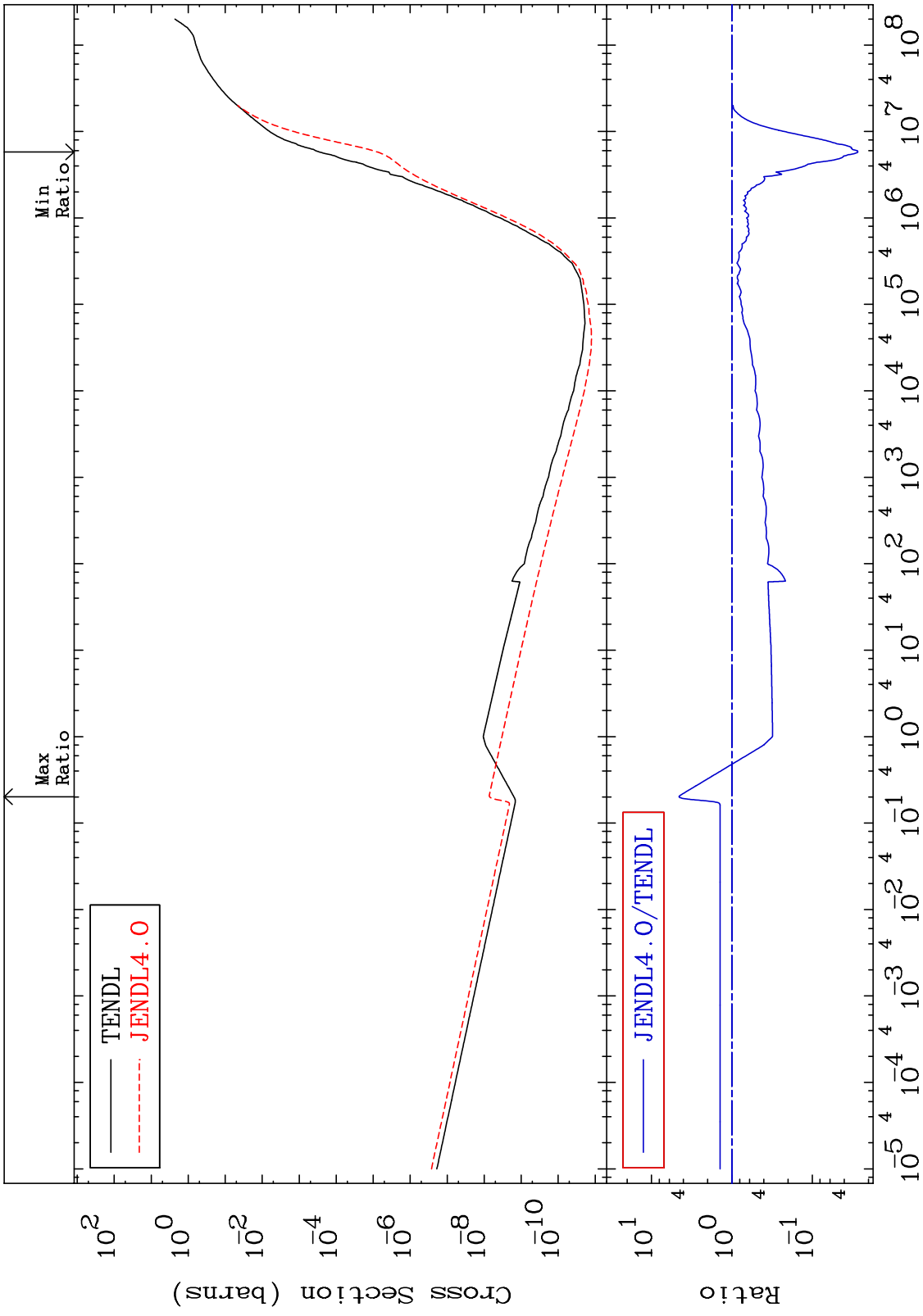
63-Eu-154

Cross Section

-84.62 To 9999. %



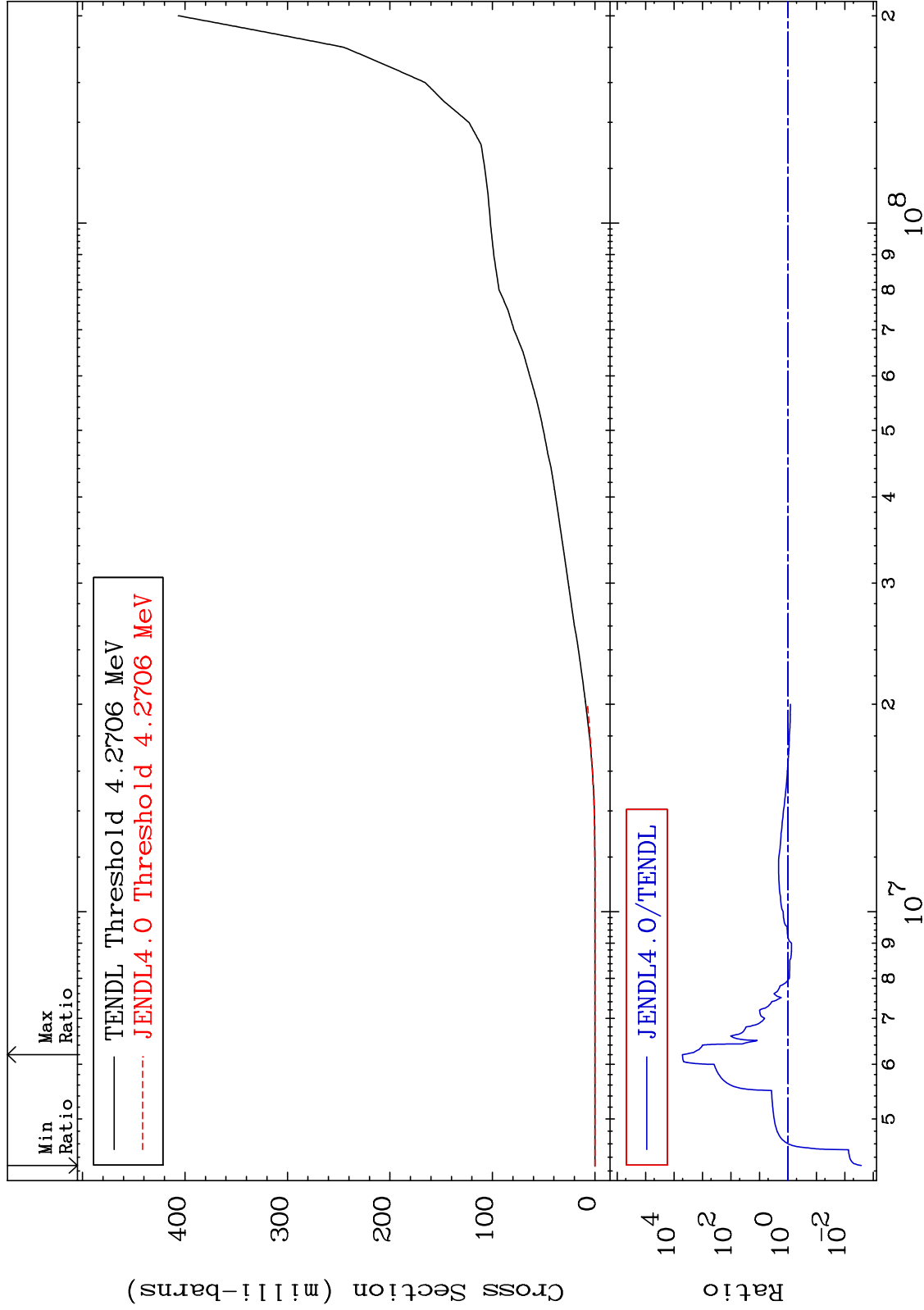
MAT 6334 Hydrogen Production Cross Section 63-Eu-154 -97.29 To 353.8 %



MAT 6334

Deuterium Production  
Cross Section

63-Eu-154  
-99.74 To 9999. %



50

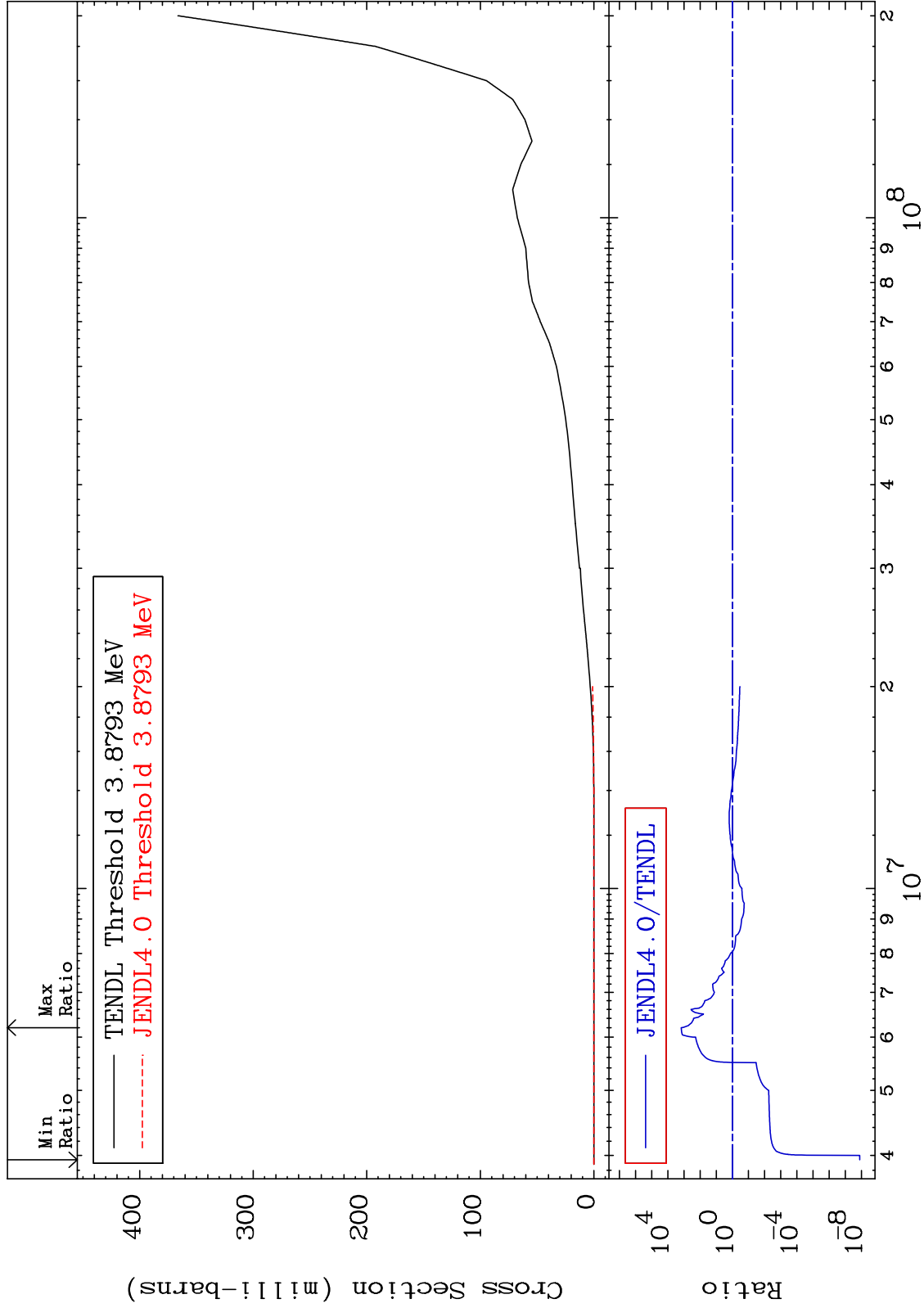
Incident Energy (eV)

63-Eu-154

MAT 6334

Tritium Production  
Cross Section

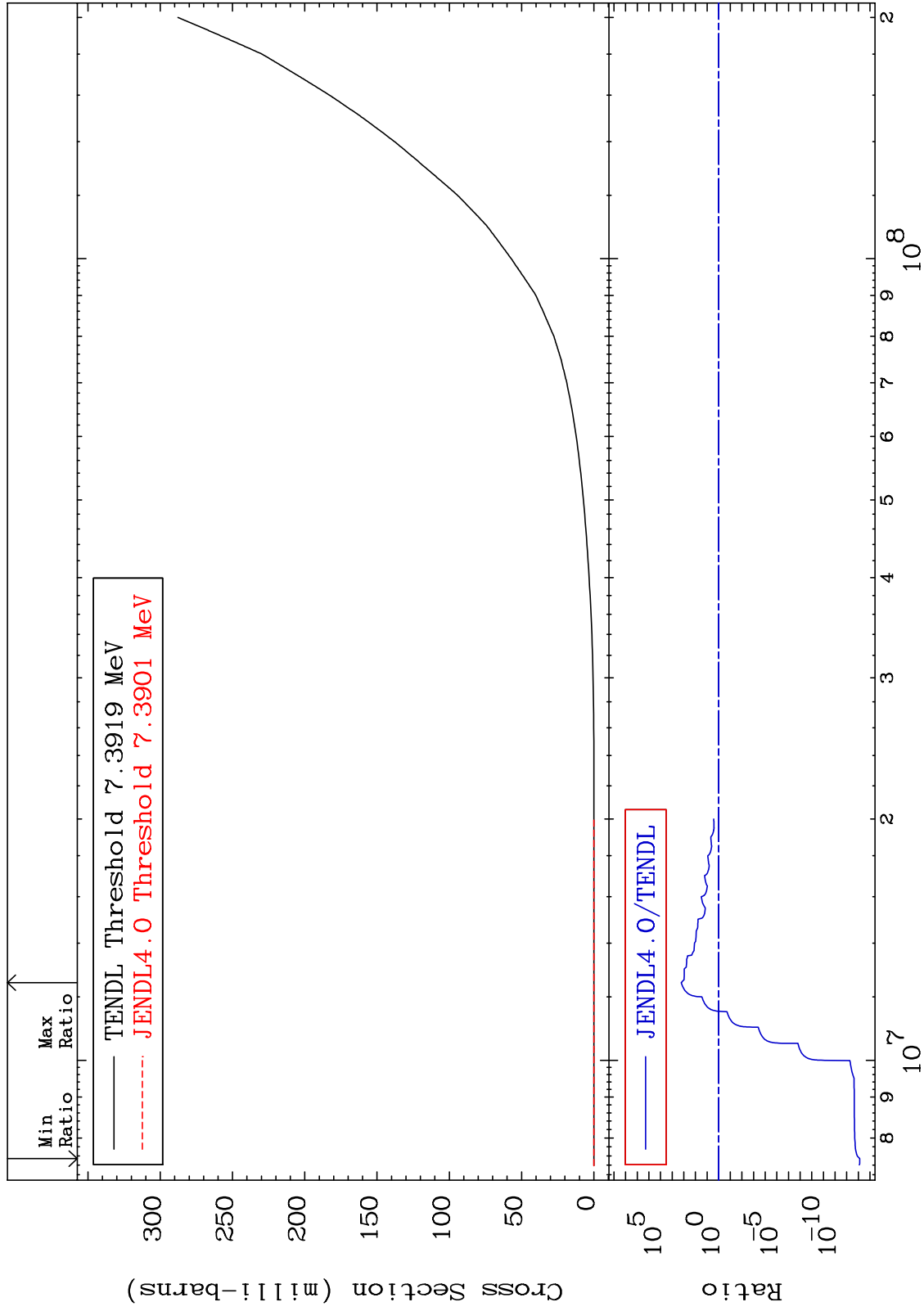
63-Eu-154  
-100.0 To 9999. %



MAT 6334

He-3 Production  
Cross Section

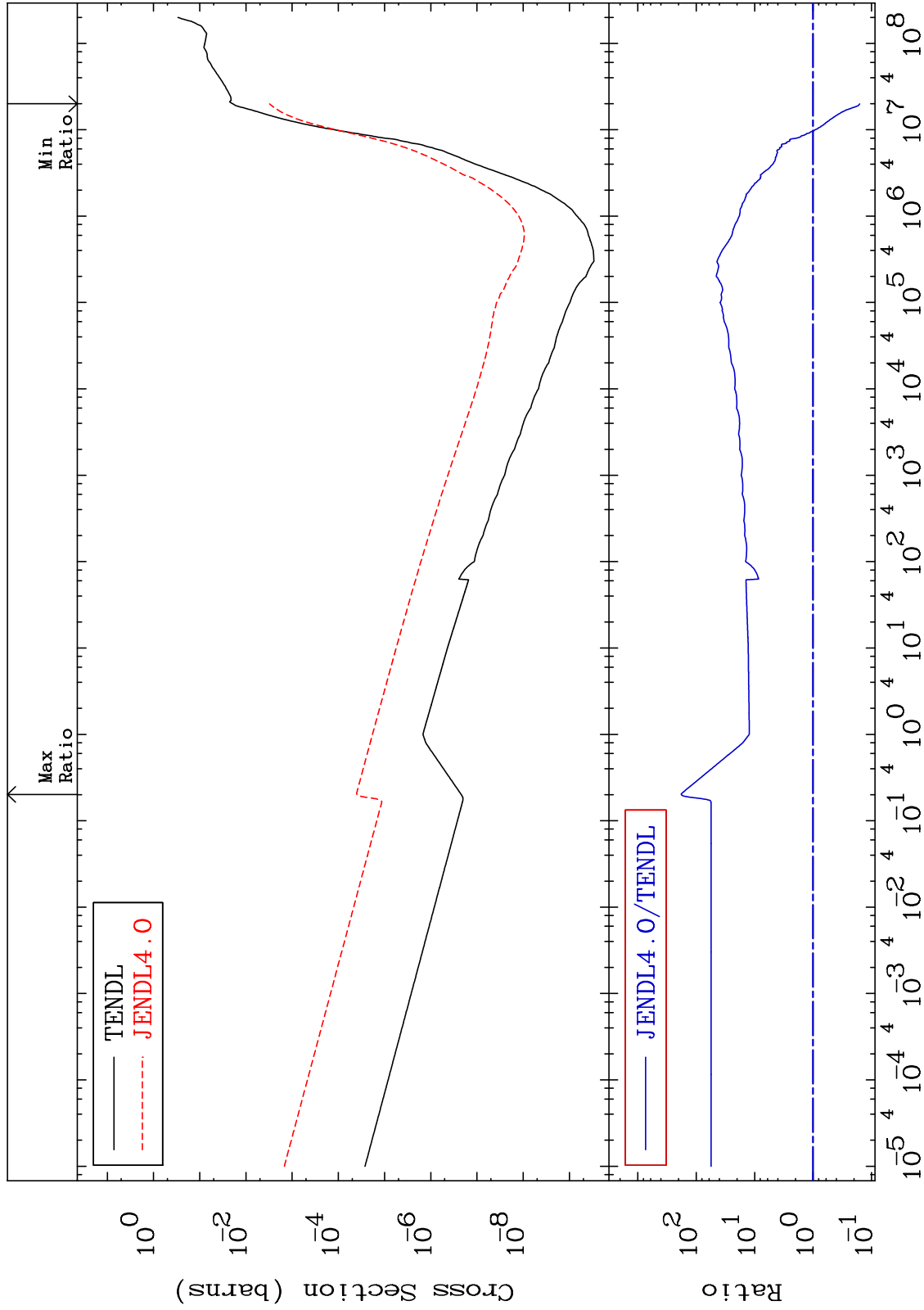
63-Eu-154  
-100.0 To 9999. %



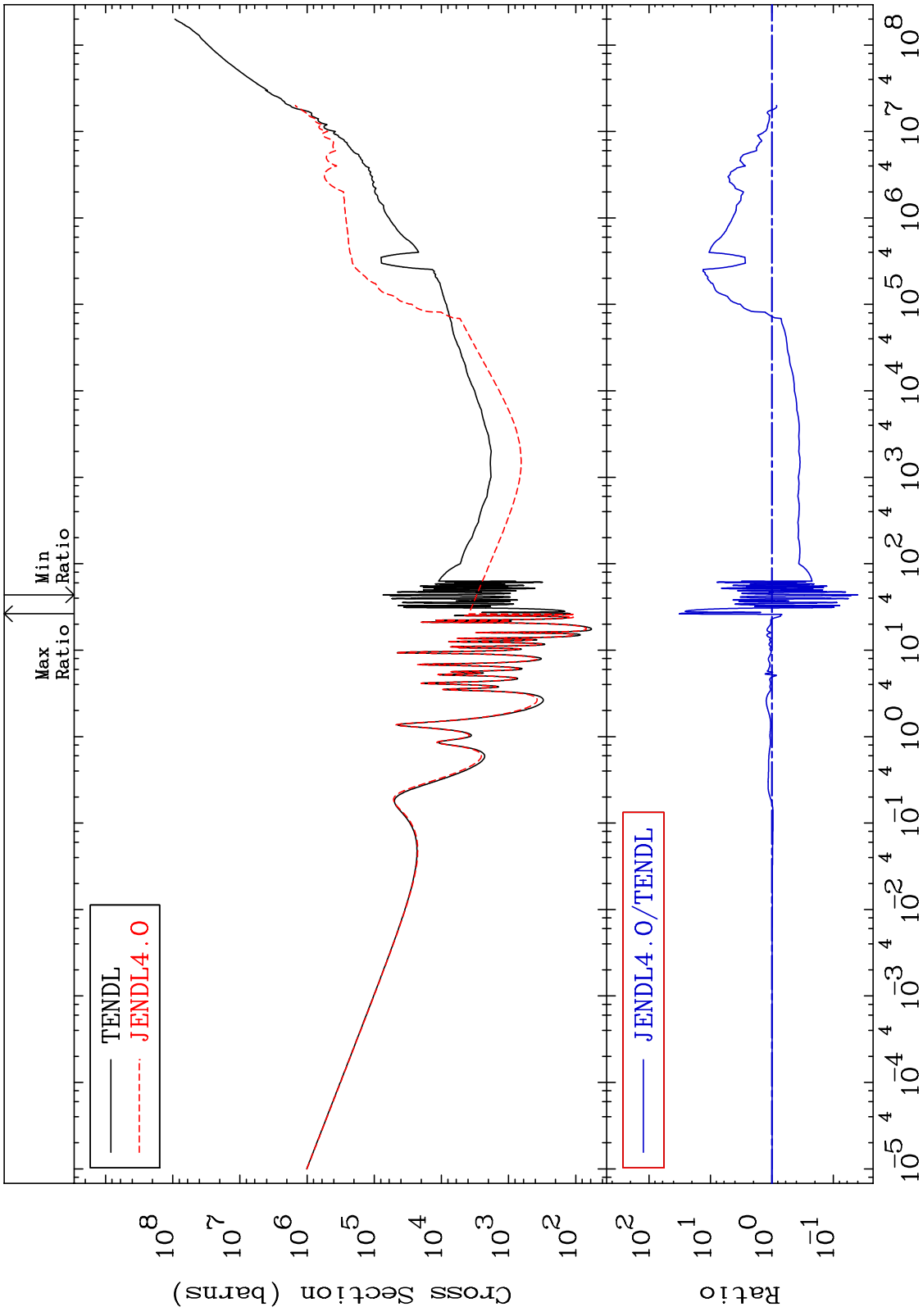
MAT 6334

He-4 Production  
Cross Section

63-Eu-154  
-84.07 To 9999. %



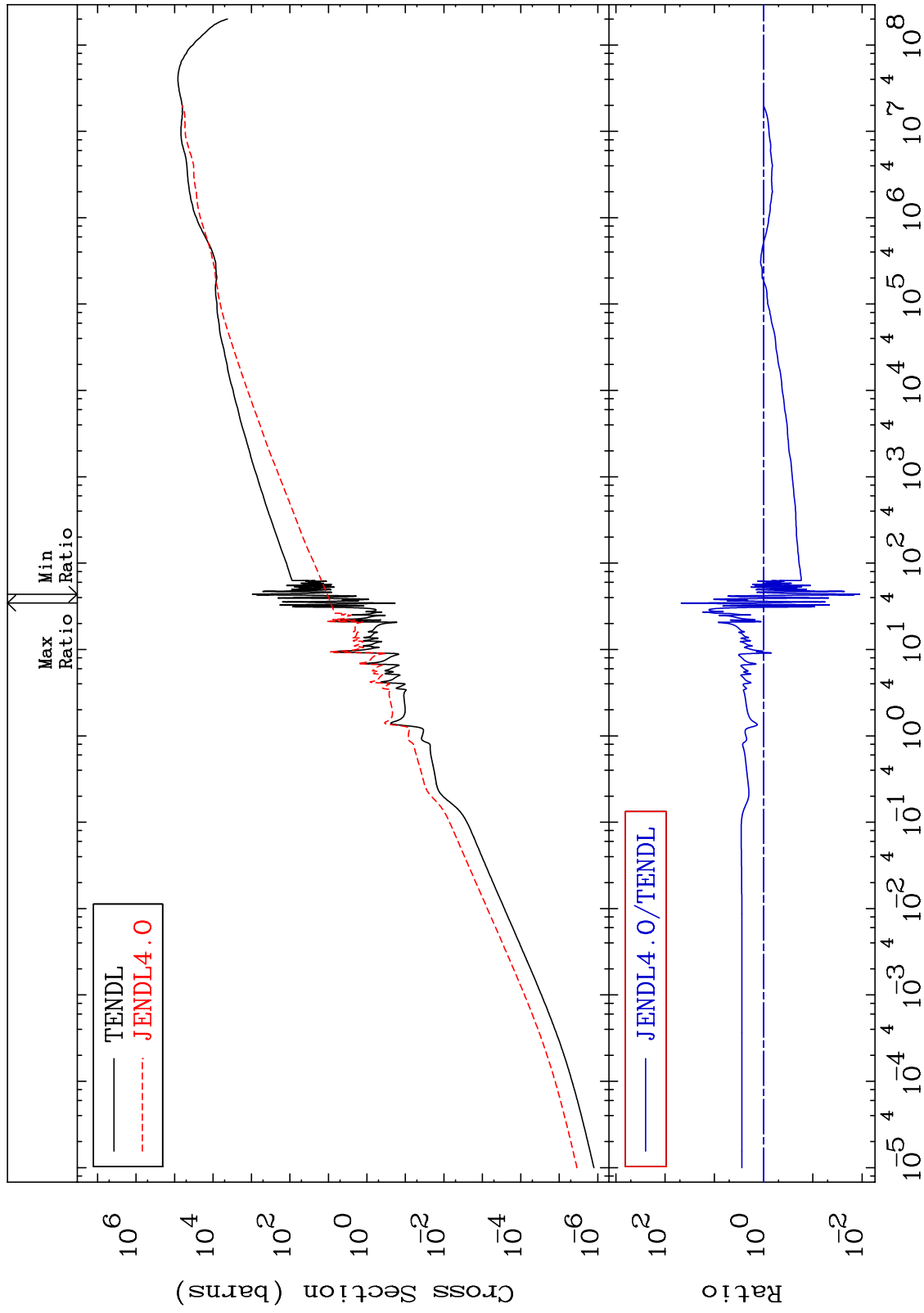
MAT 6334 Kerma total (eV-barns) 63-Eu-154  
 Cross Section -96.00 To 3147. %



MAT 6334

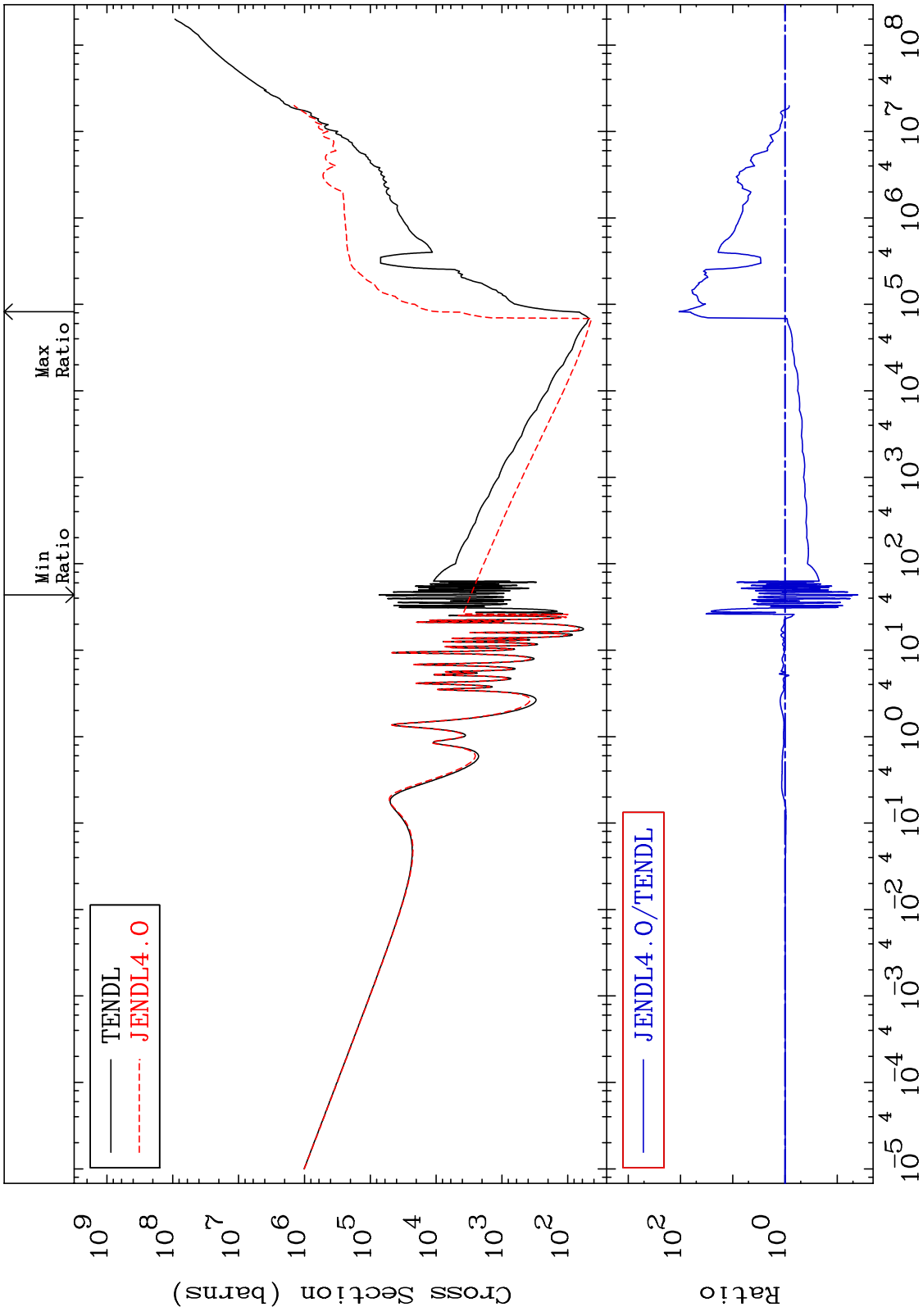
Kerma elastic  
Cross Section

63-Eu-154  
-98.88 To 4607. %

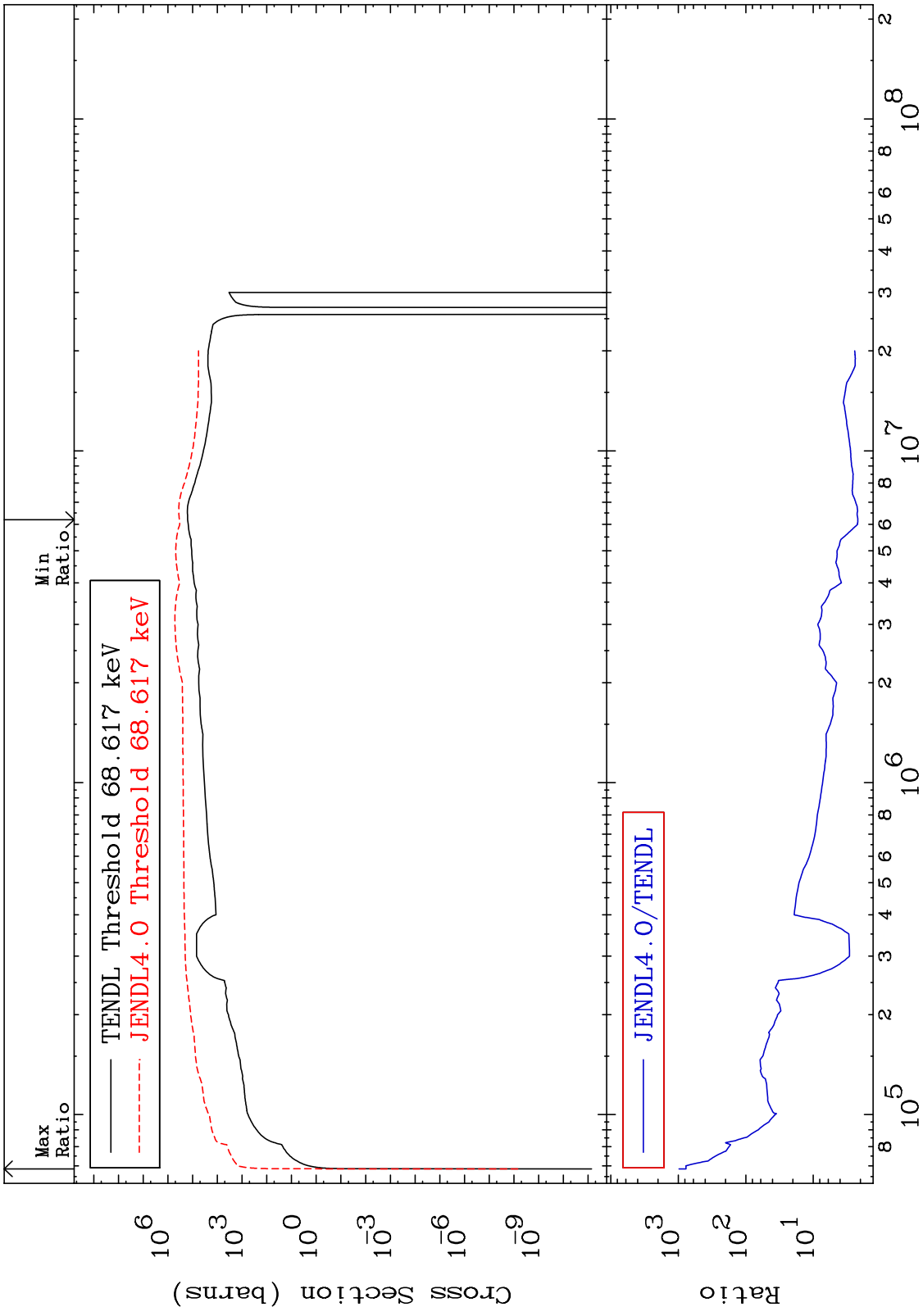




MAT 6334      Kerma non-elastic (all but mt2)      63-Eu-154  
 Cross Section      -95.96 To 9999. %



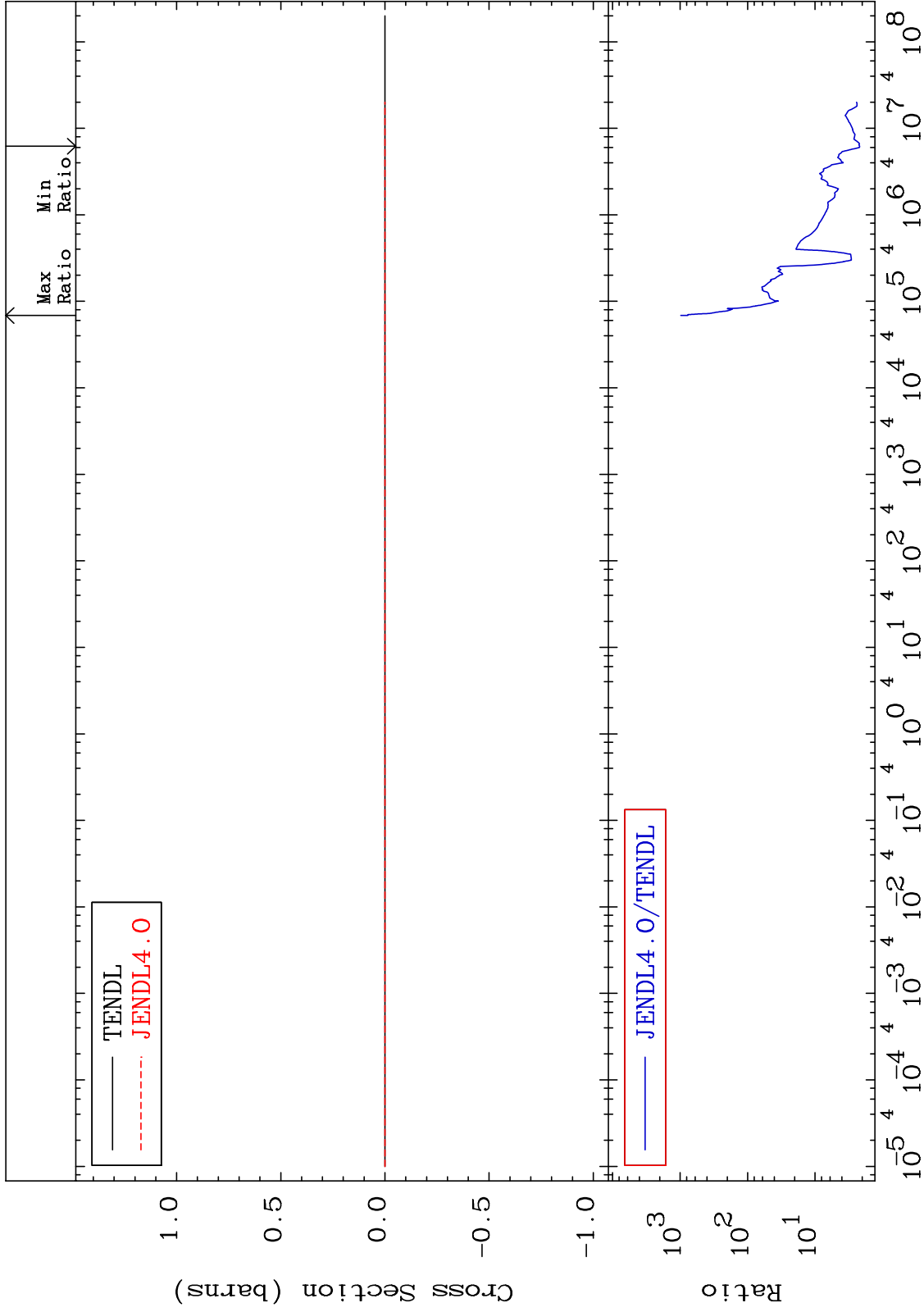
MAT 6334 Kerma inelastic (mt51-91) 63-Eu-154  
 Cross Section 118.4 To 9999. %



MAT 6334

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

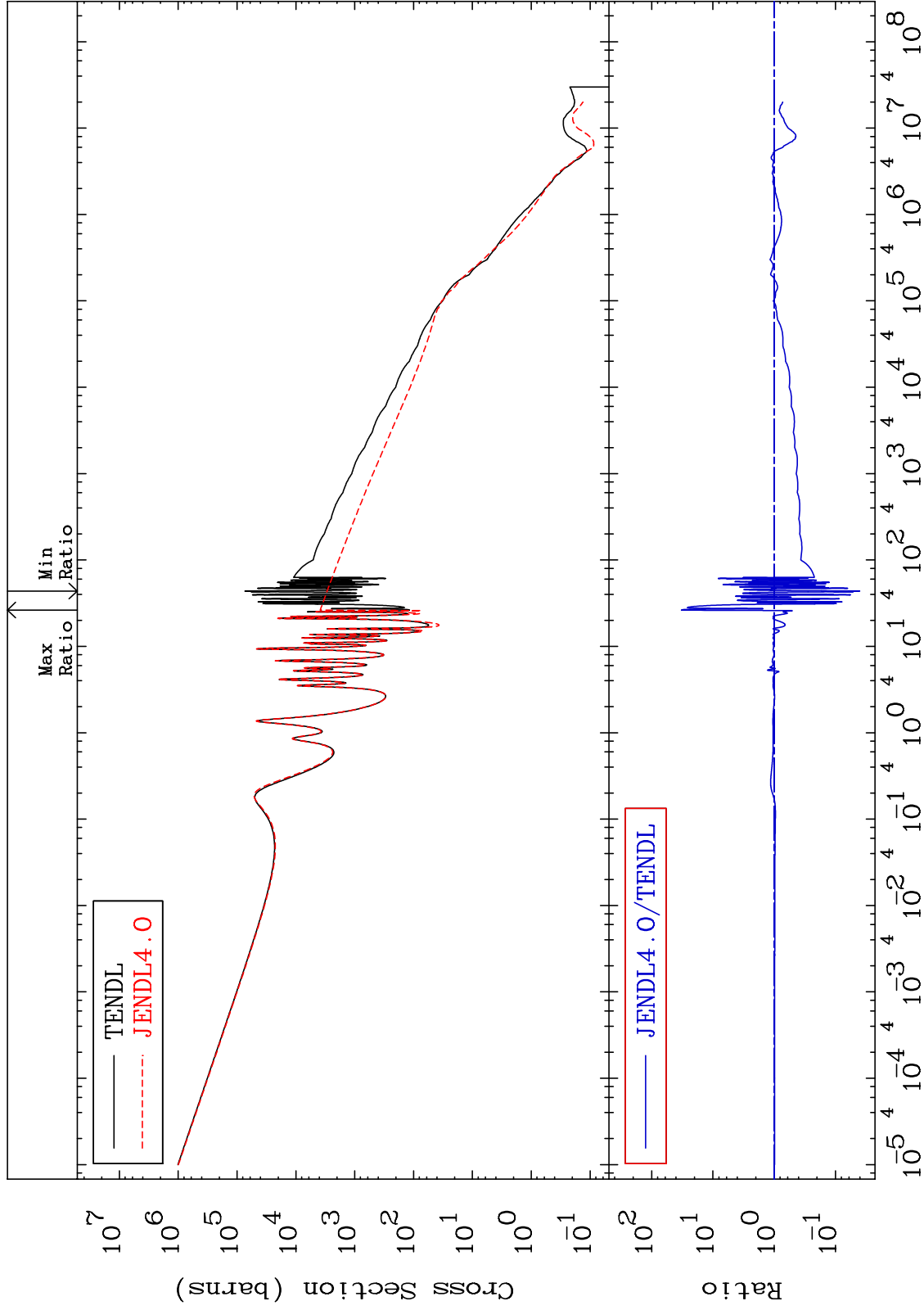
63-Eu-154  
118.4 To 9999. %



MAT 6334

Kerma capture (mt102)  
Cross Section

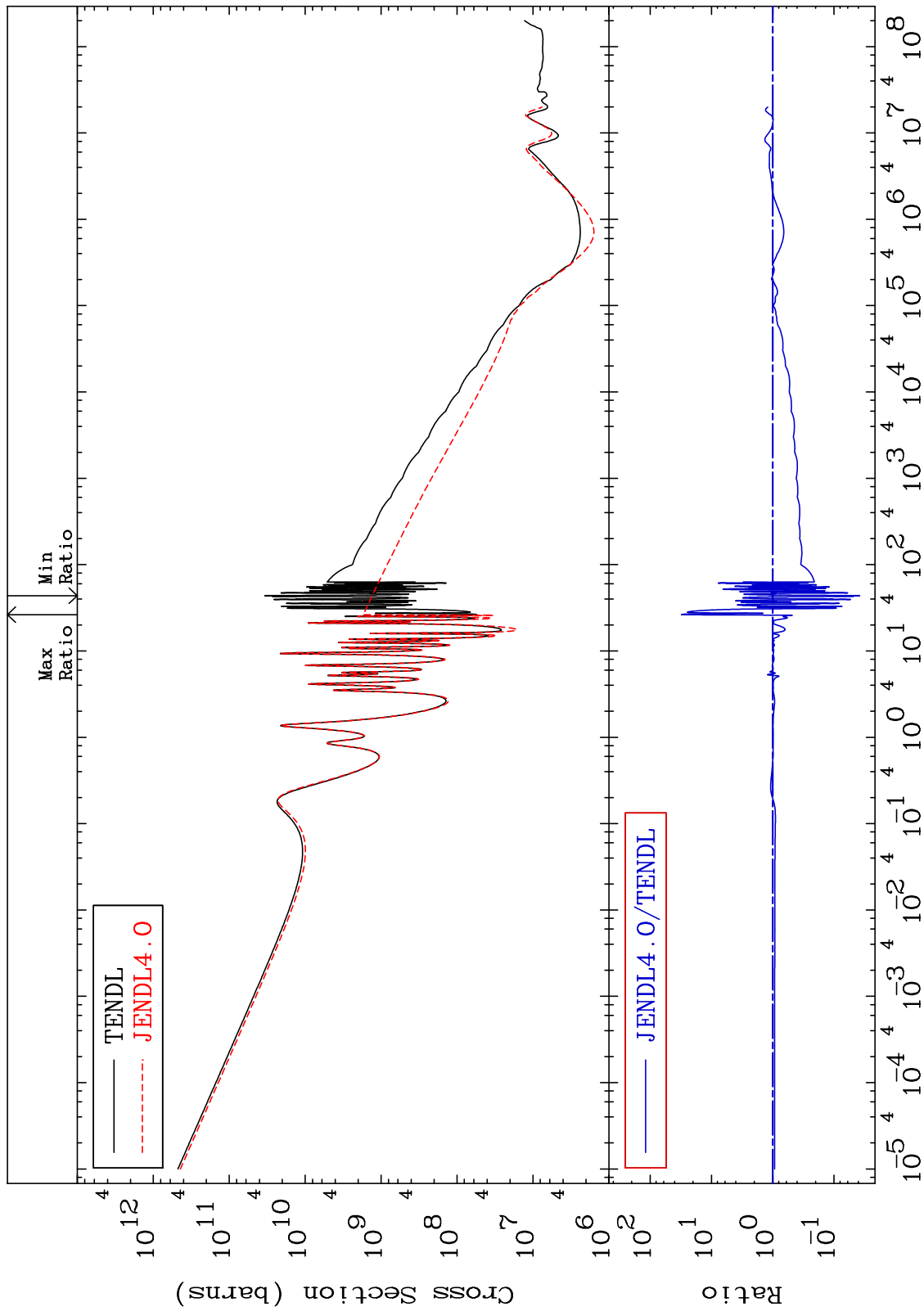
63-Eu-154  
-95.99 To 3184. %



MAT 6334

Total photon (eV-barns)  
Cross Section

63-Eu-154  
-96.20 To 3011. %

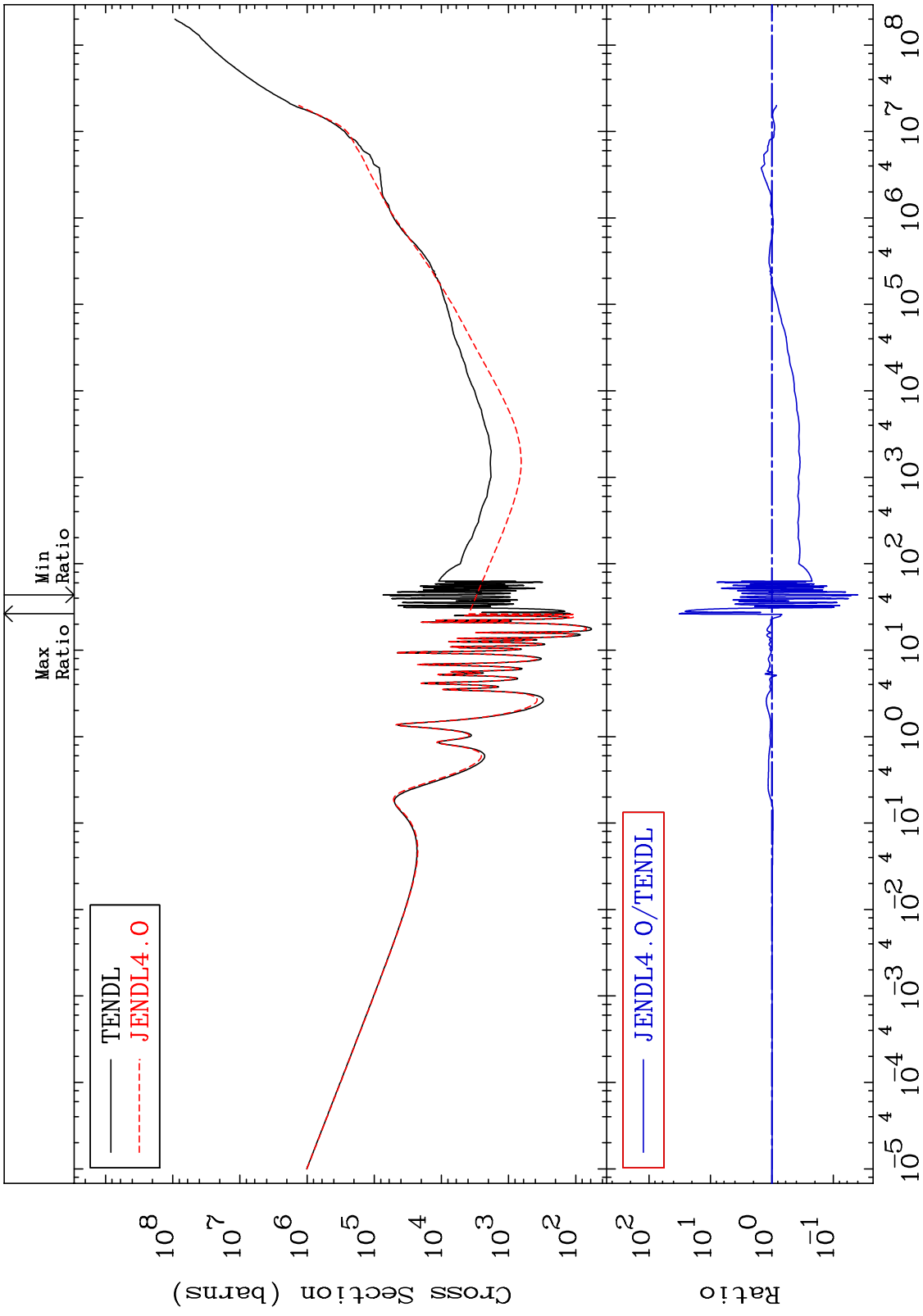


60

Incident Energy (eV)

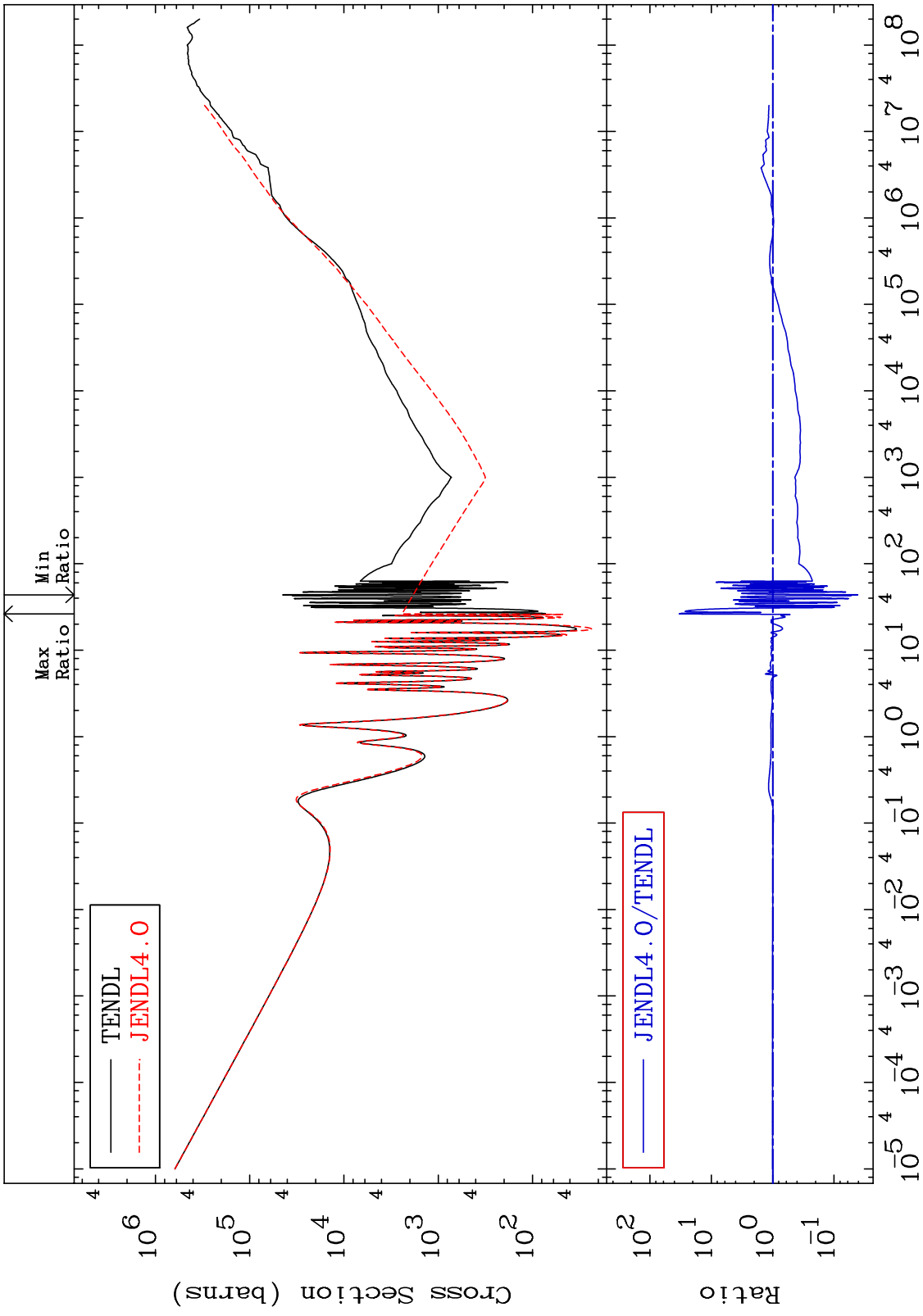
63-Eu-154

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

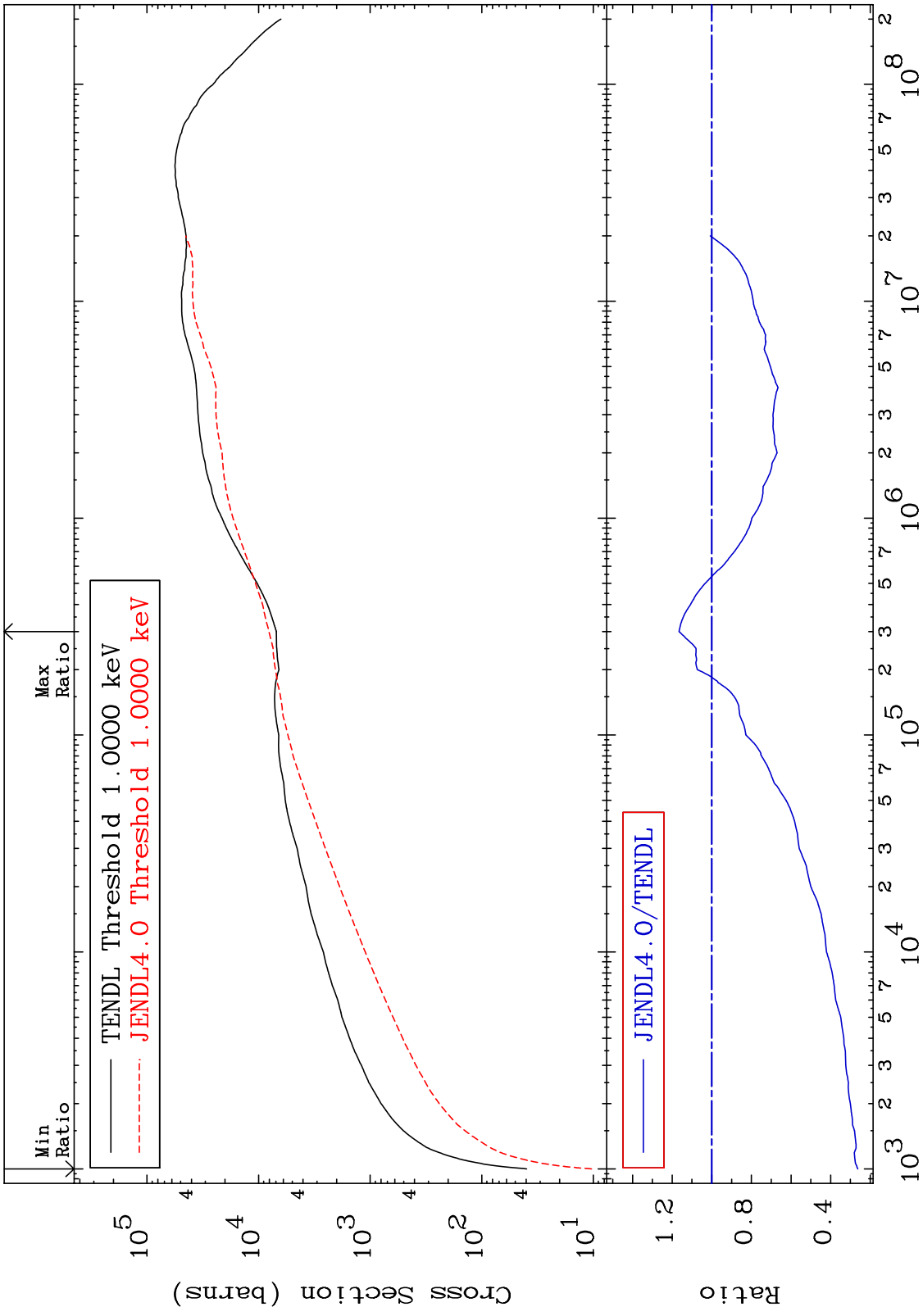


61      Incident Energy (eV)      63-Eu-154

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



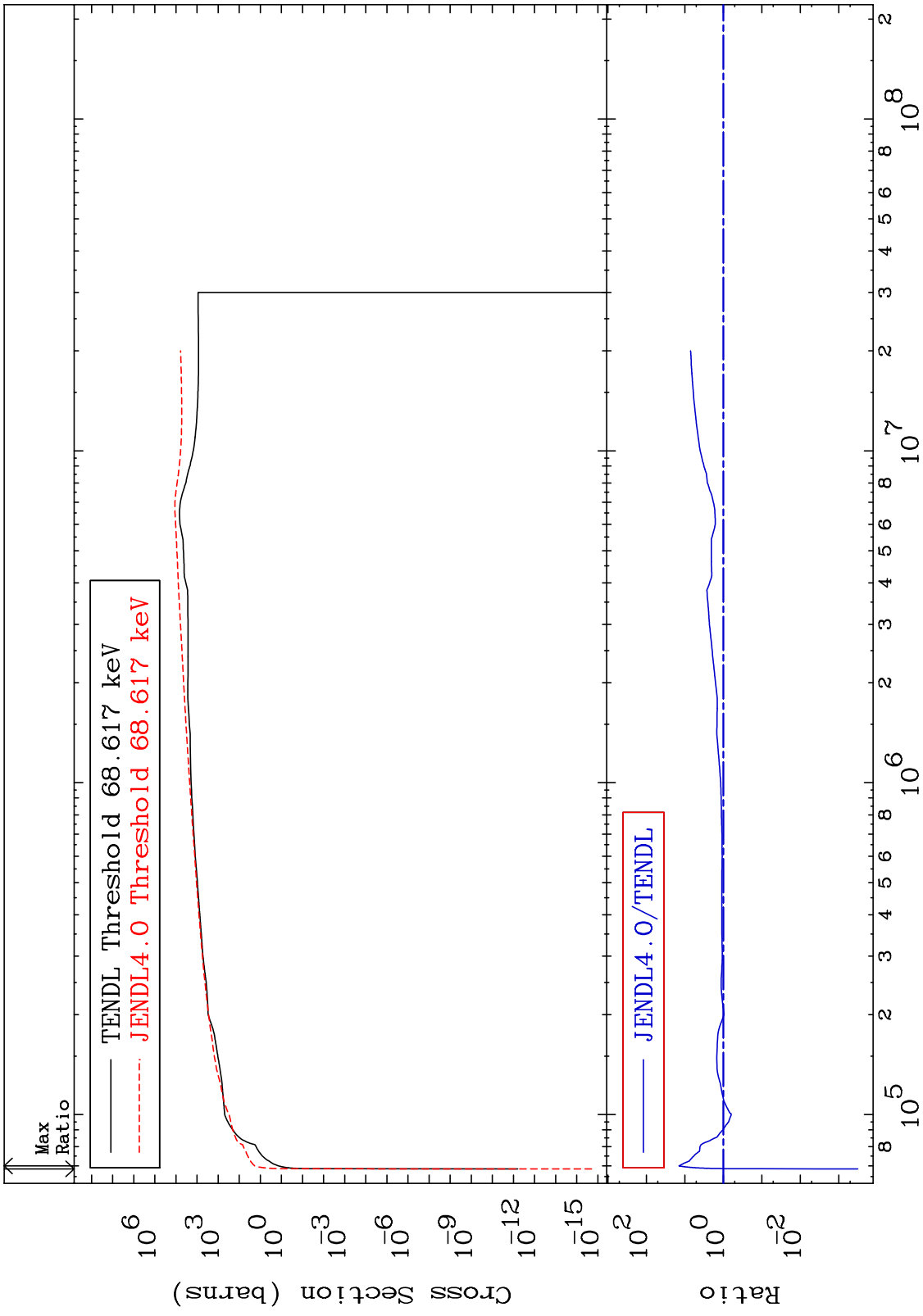
MAT 6334 63-Eu-154 -73.74 To 16.53 %  
Dpa elastic (mt2)  
Cross Section



63 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

