

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

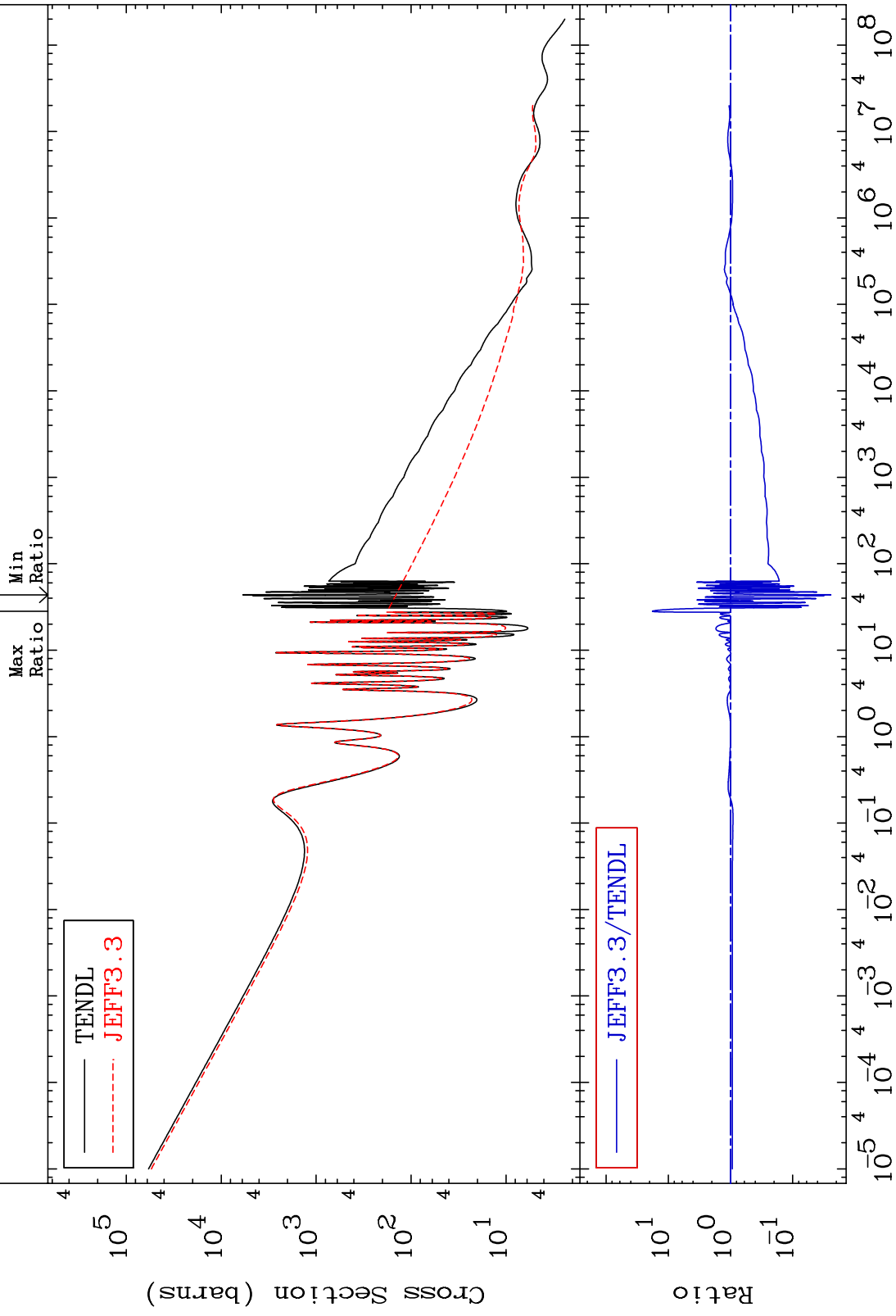
MAT 6334

Total

63-Eu-154

-97.57 To 1710. %

Cross Section



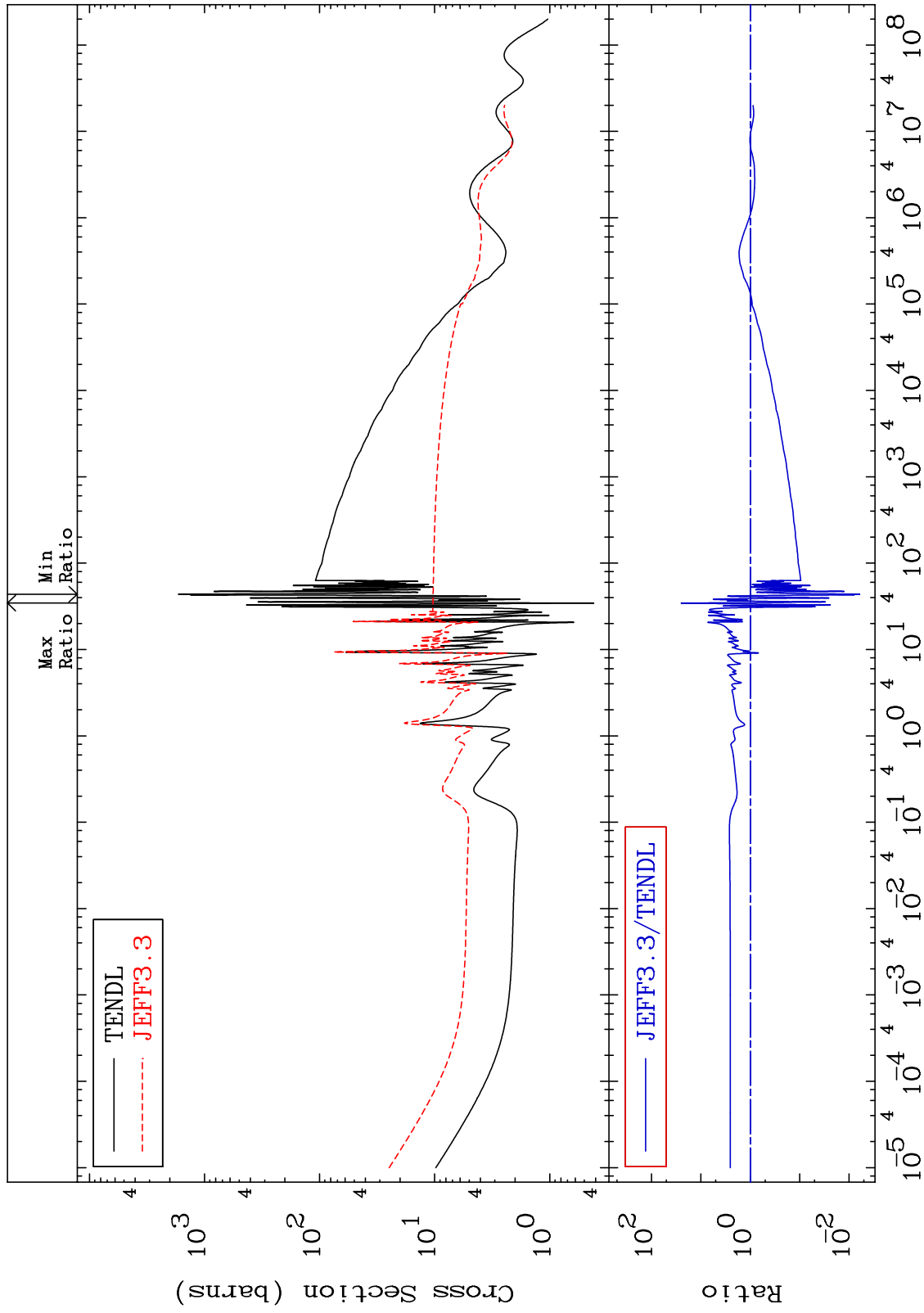
Incident Energy (eV)

63-Eu-154

MAT 6334

Elastic
Cross Section

63-Eu-154
-99.39 To 2399. %

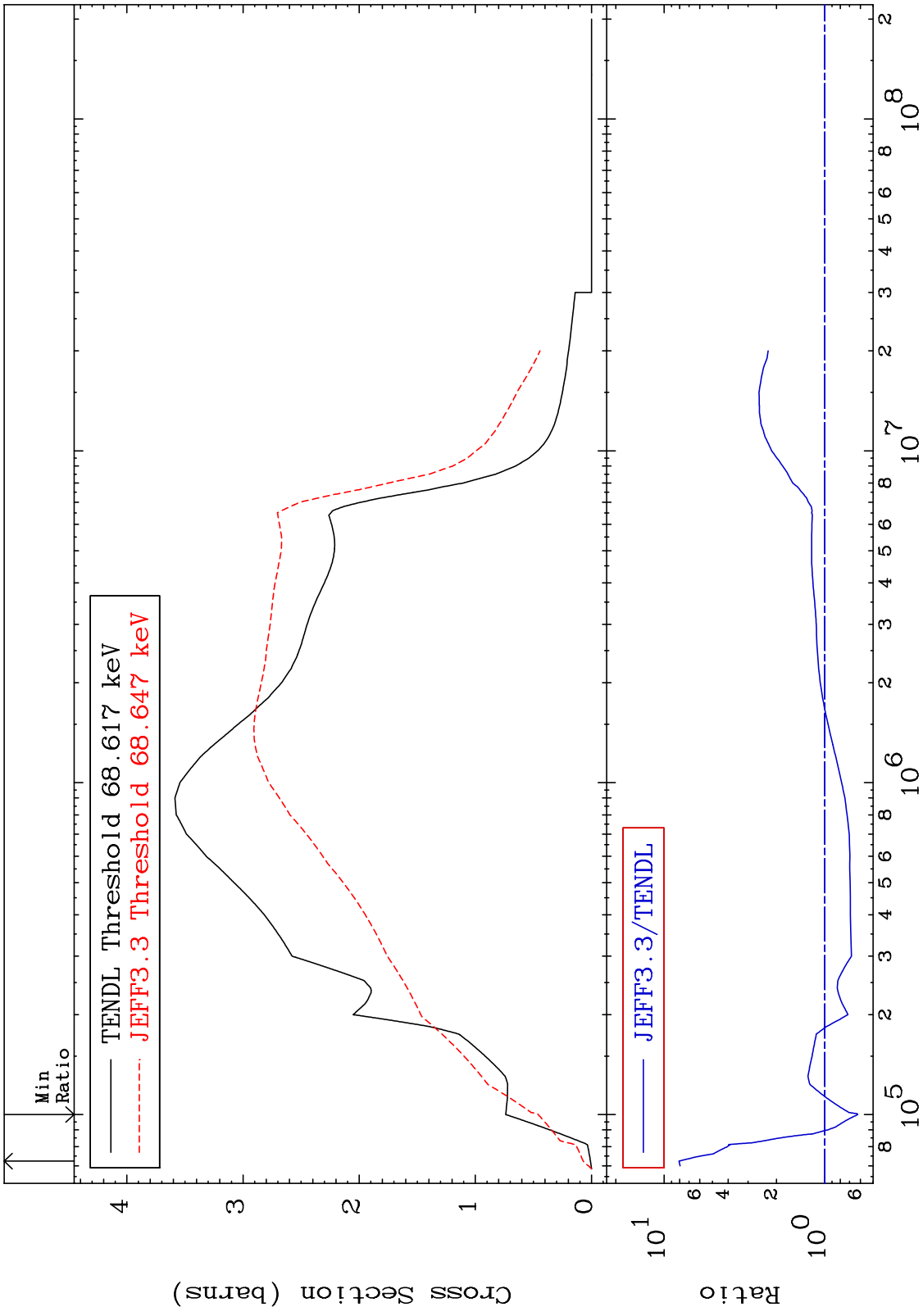


2

Incident Energy (eV)

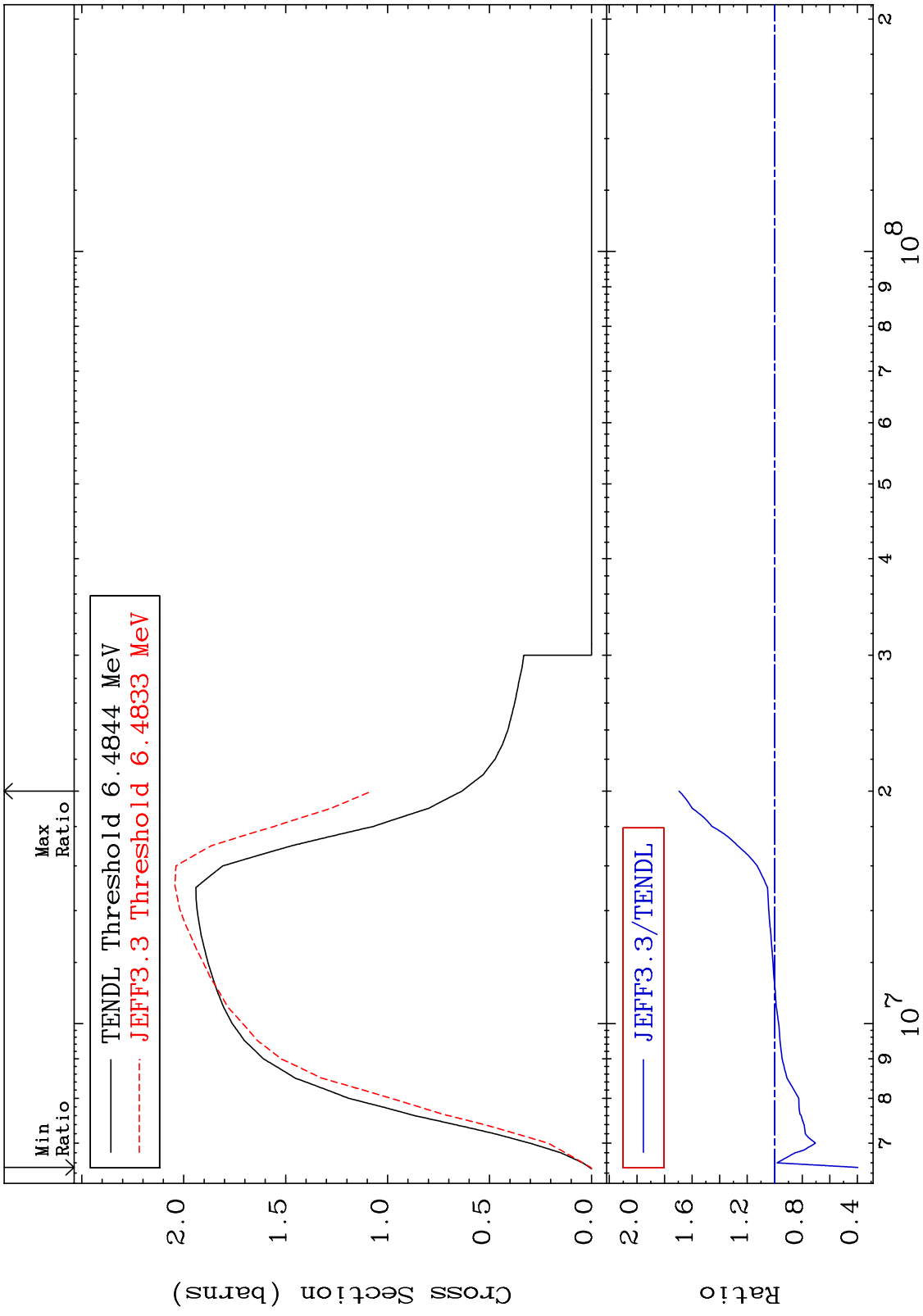
63-Eu-154

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

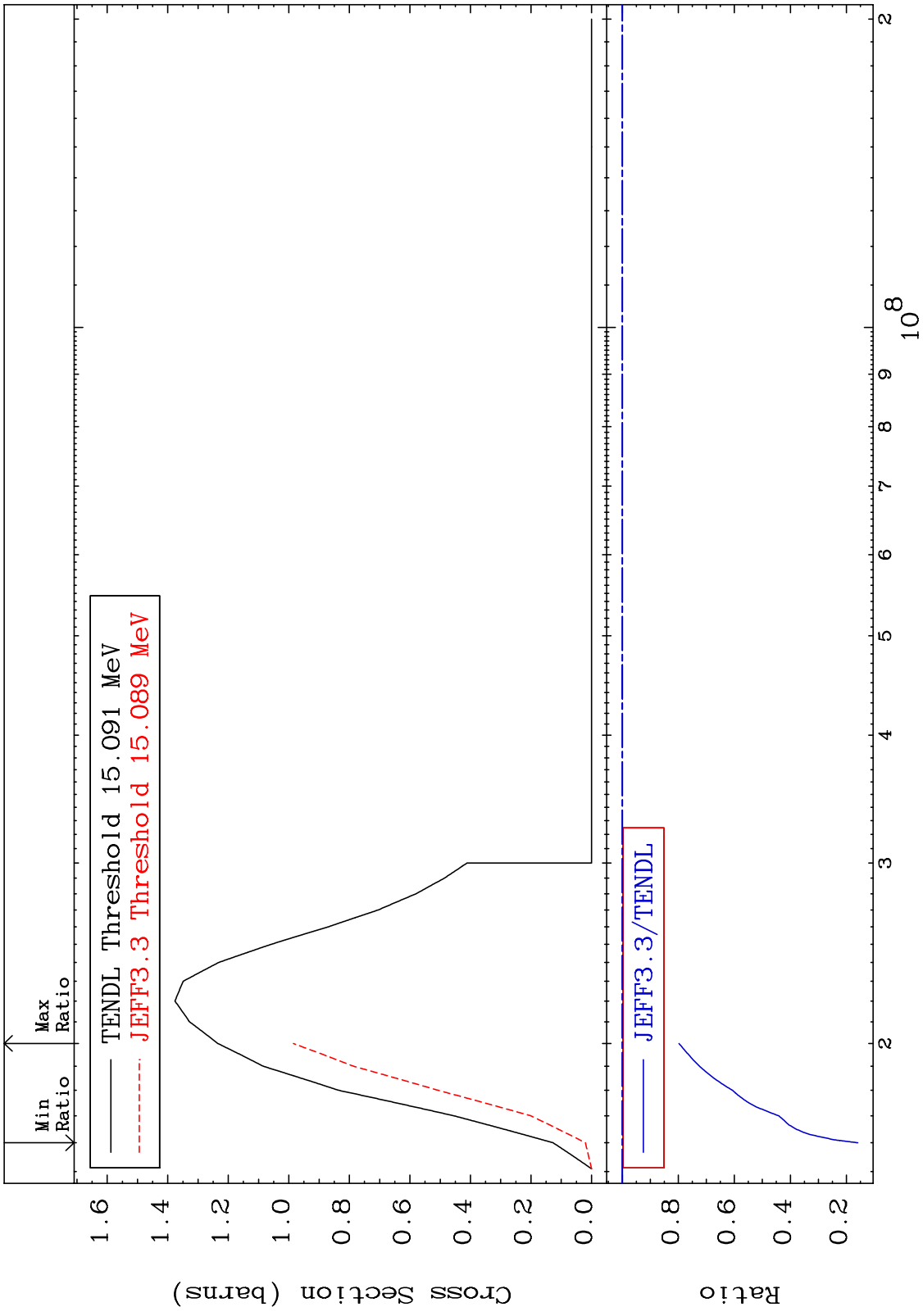


3 63-Eu-154

MAT 6334 $(n, 2n)$ Cross Section $^{63}\text{Eu}-154$ -60.32 To 69.42 %



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



MAT 6334

(n, n') α

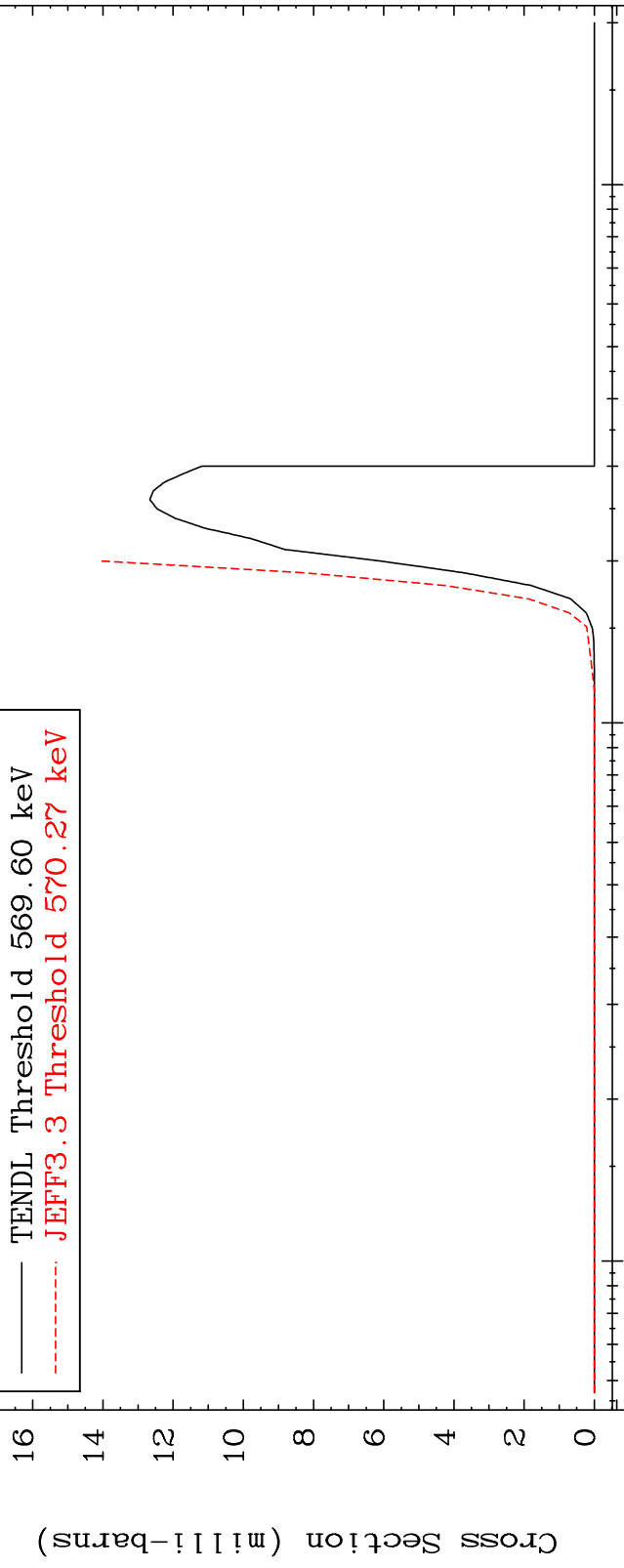
63-Eu-154

122.1 To 9999. %

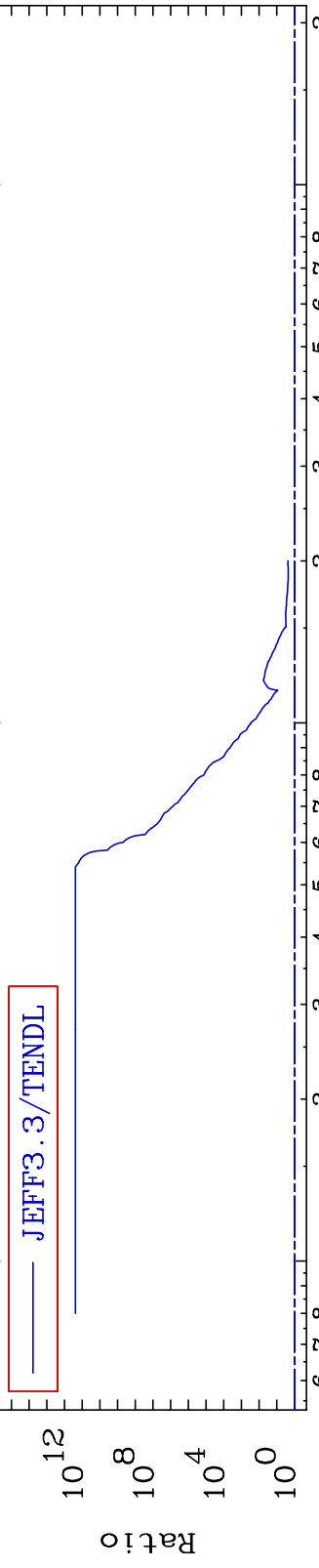
Cross Section

Max Ratio Min Ratio

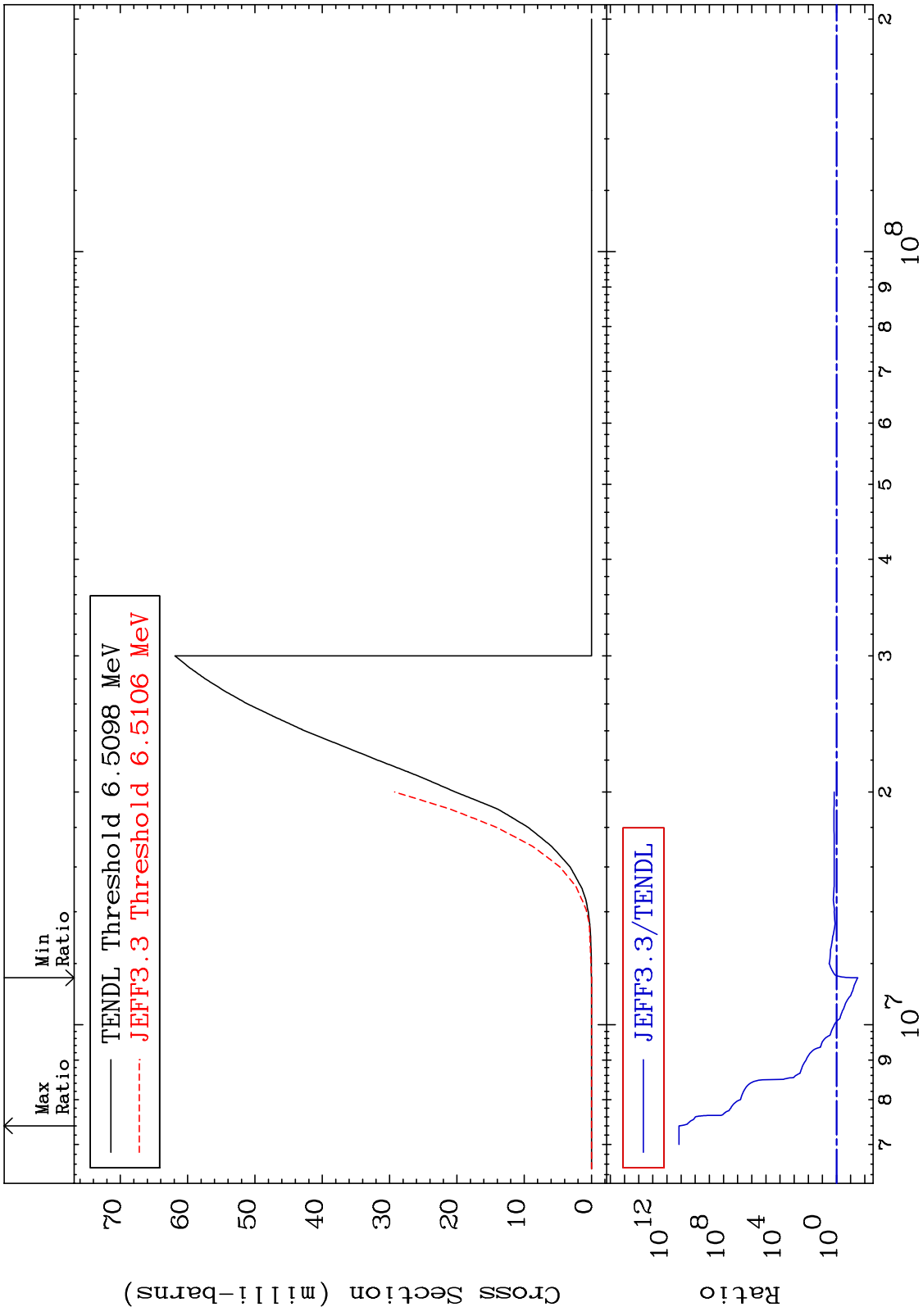
TENDL Threshold 569.60 keV
JEFF3.3 Threshold 570.27 keV



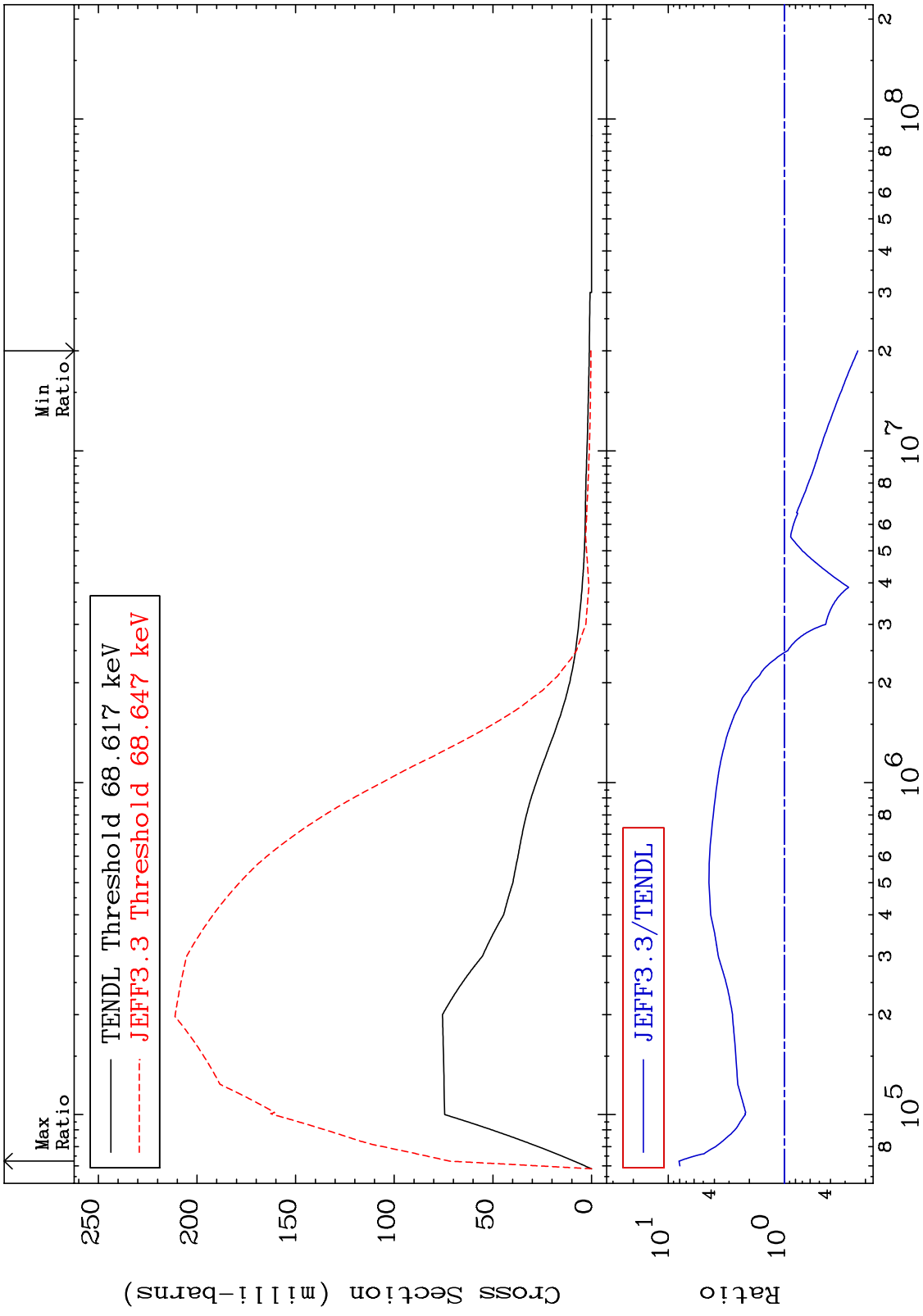
JEFF3.3/TENDL



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

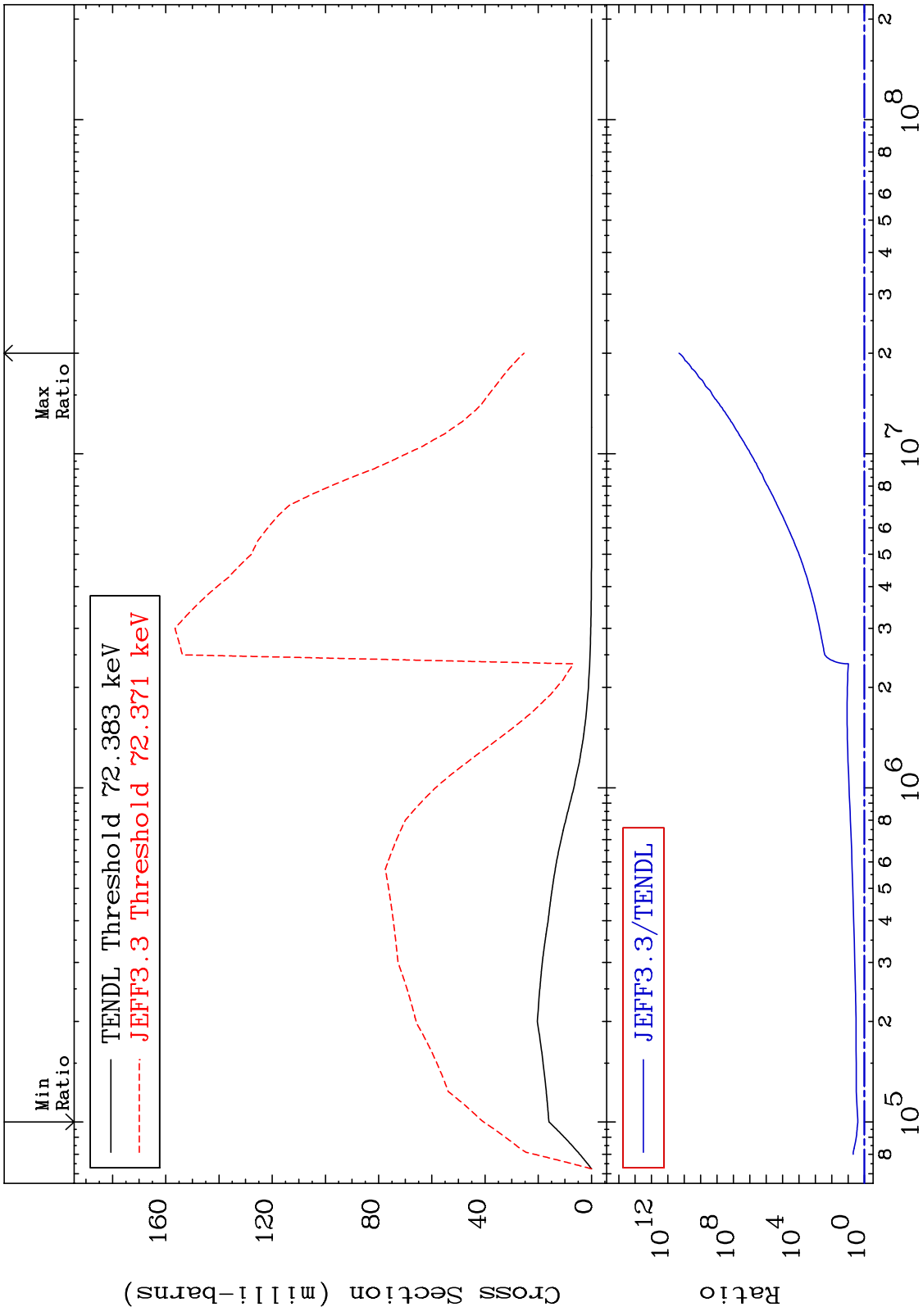


MAT 6334 MT= 51 (n,n') Level Cross Section 63-Eu-154 -76.73 To 707.8 %



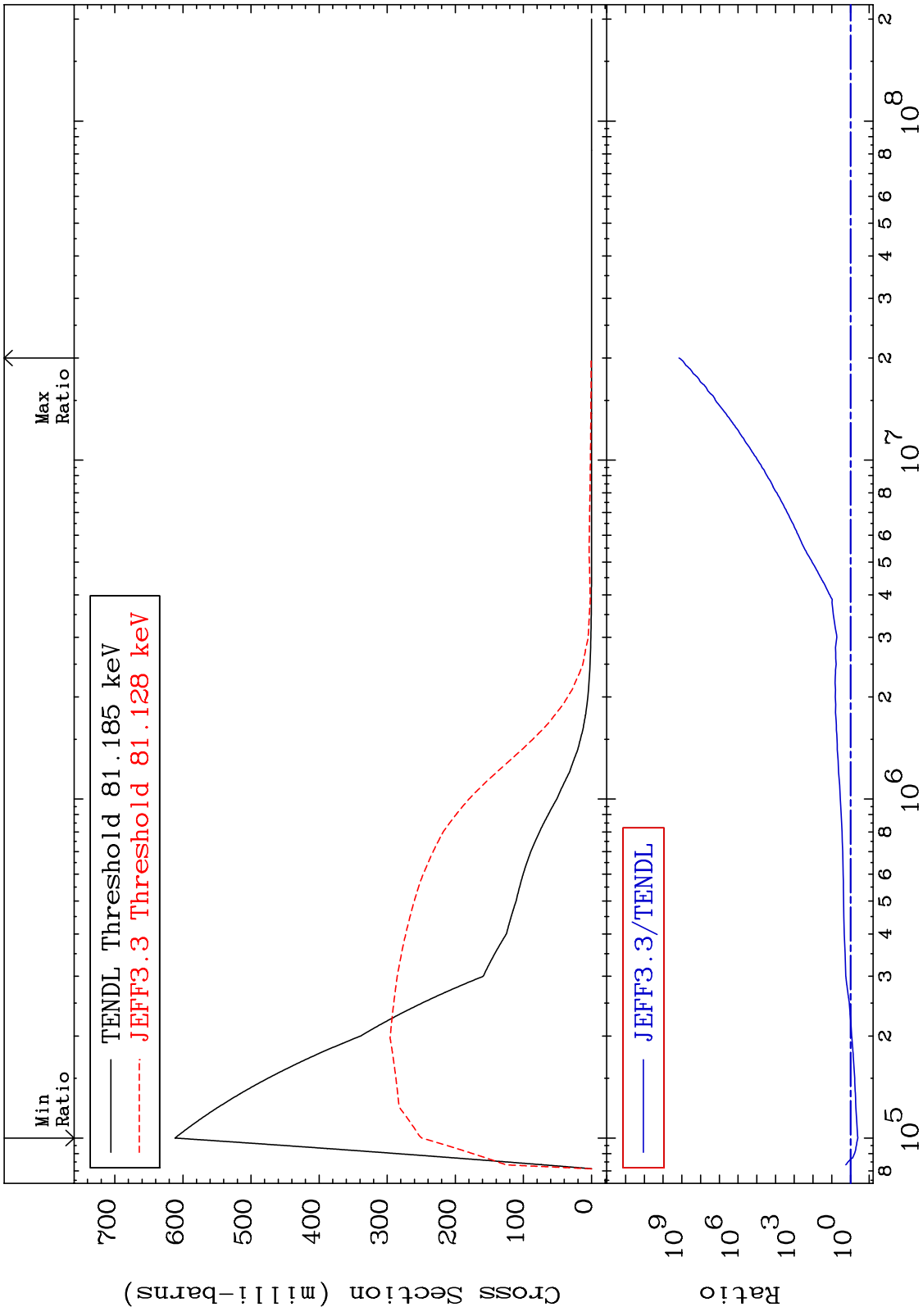
8 Incident Energy (eV) 63-Eu-154

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



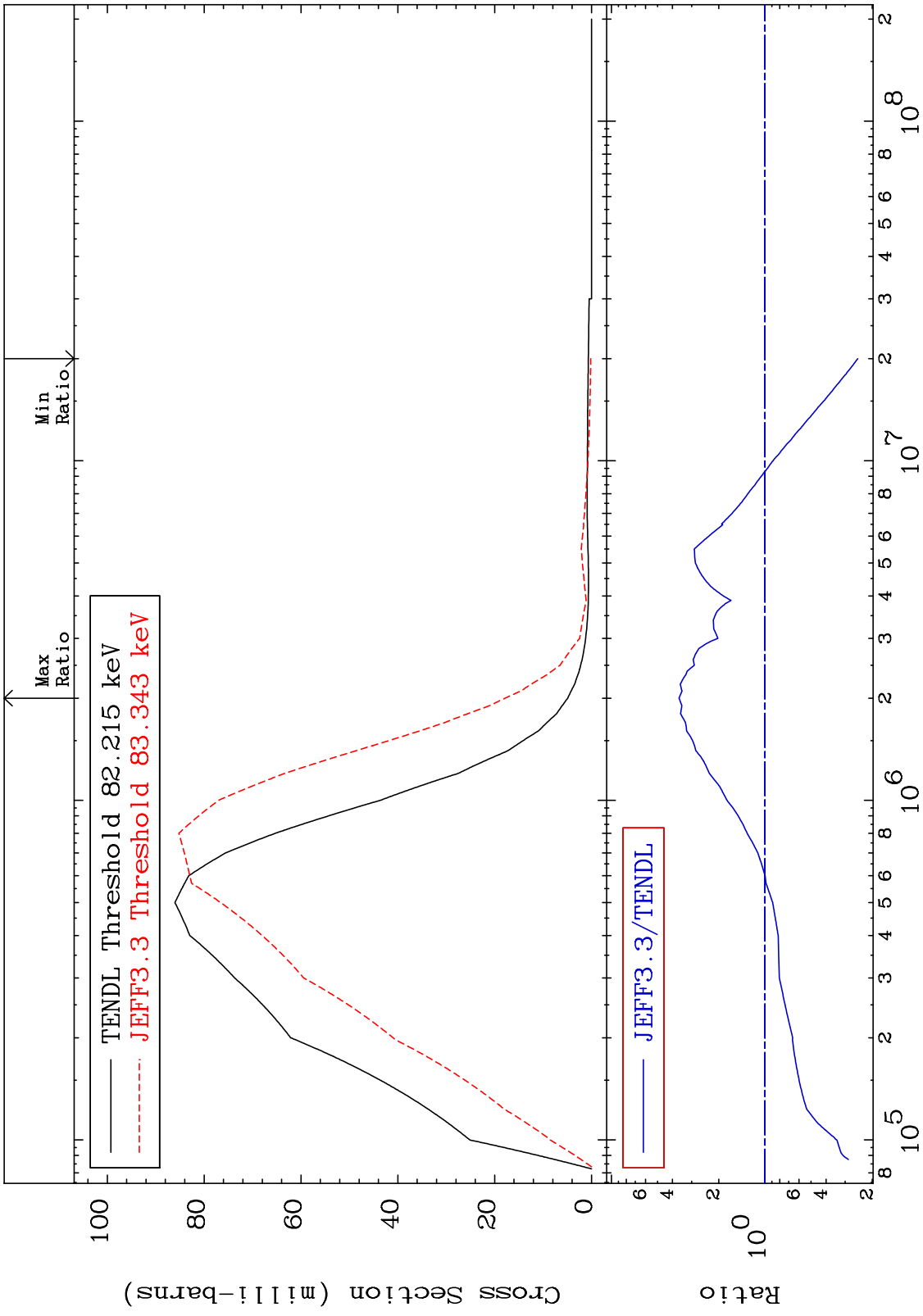
9 Incident Energy (eV) 63-Eu-154

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

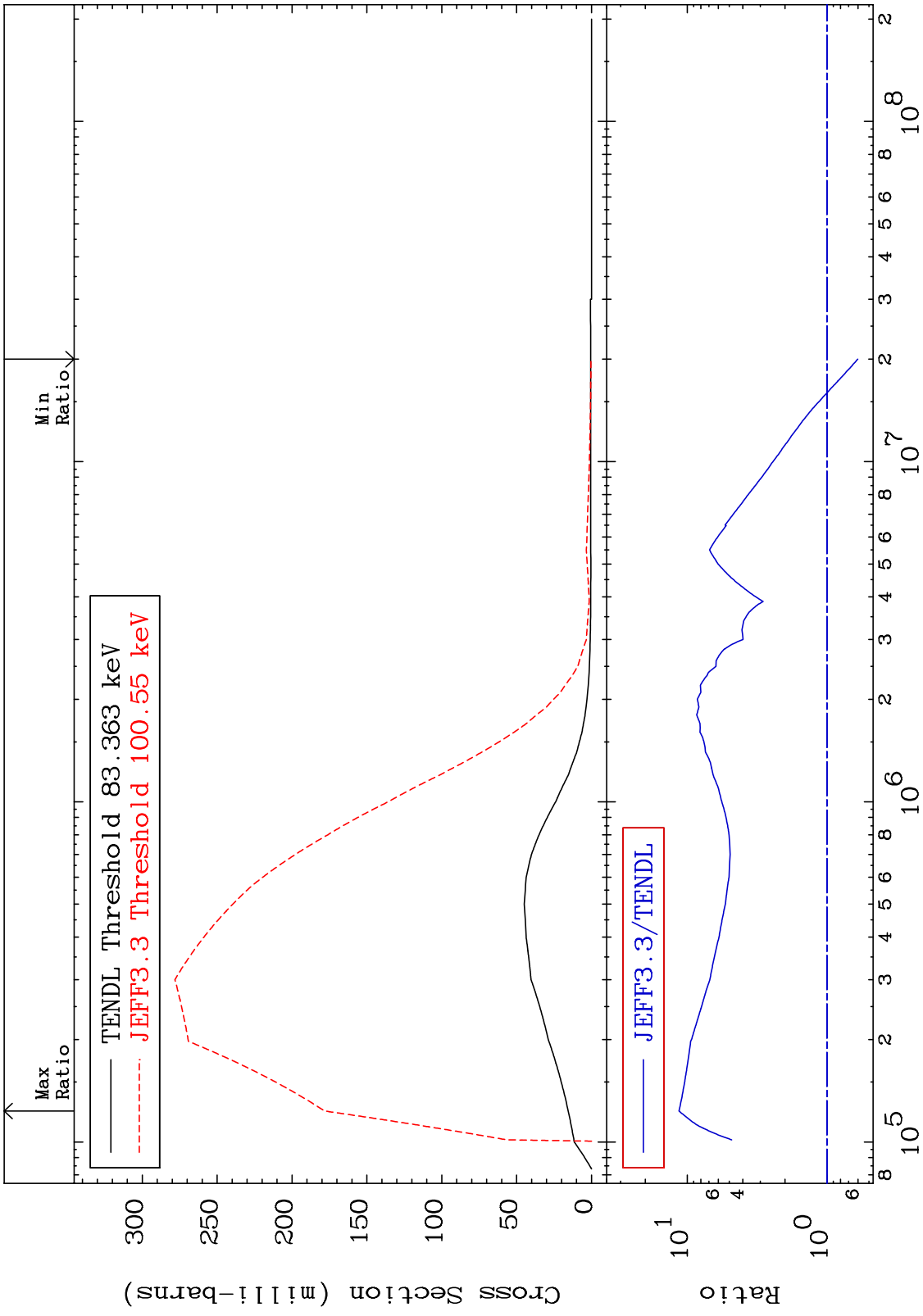


63-Eu-154

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

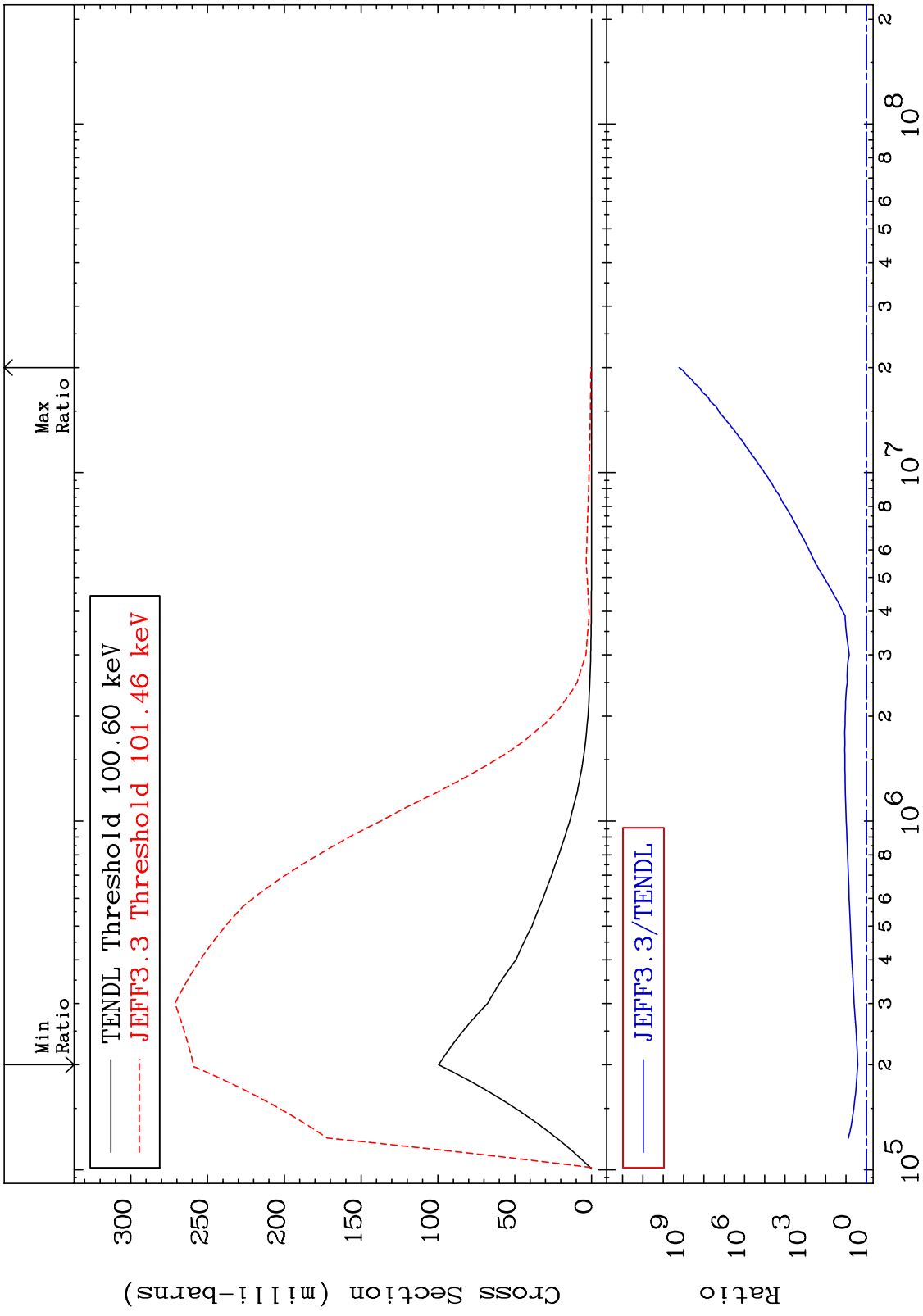


MAT 6334 MT= 55 (n,n') Level Cross Section 63-Eu-154
-39.89 To 1046. %



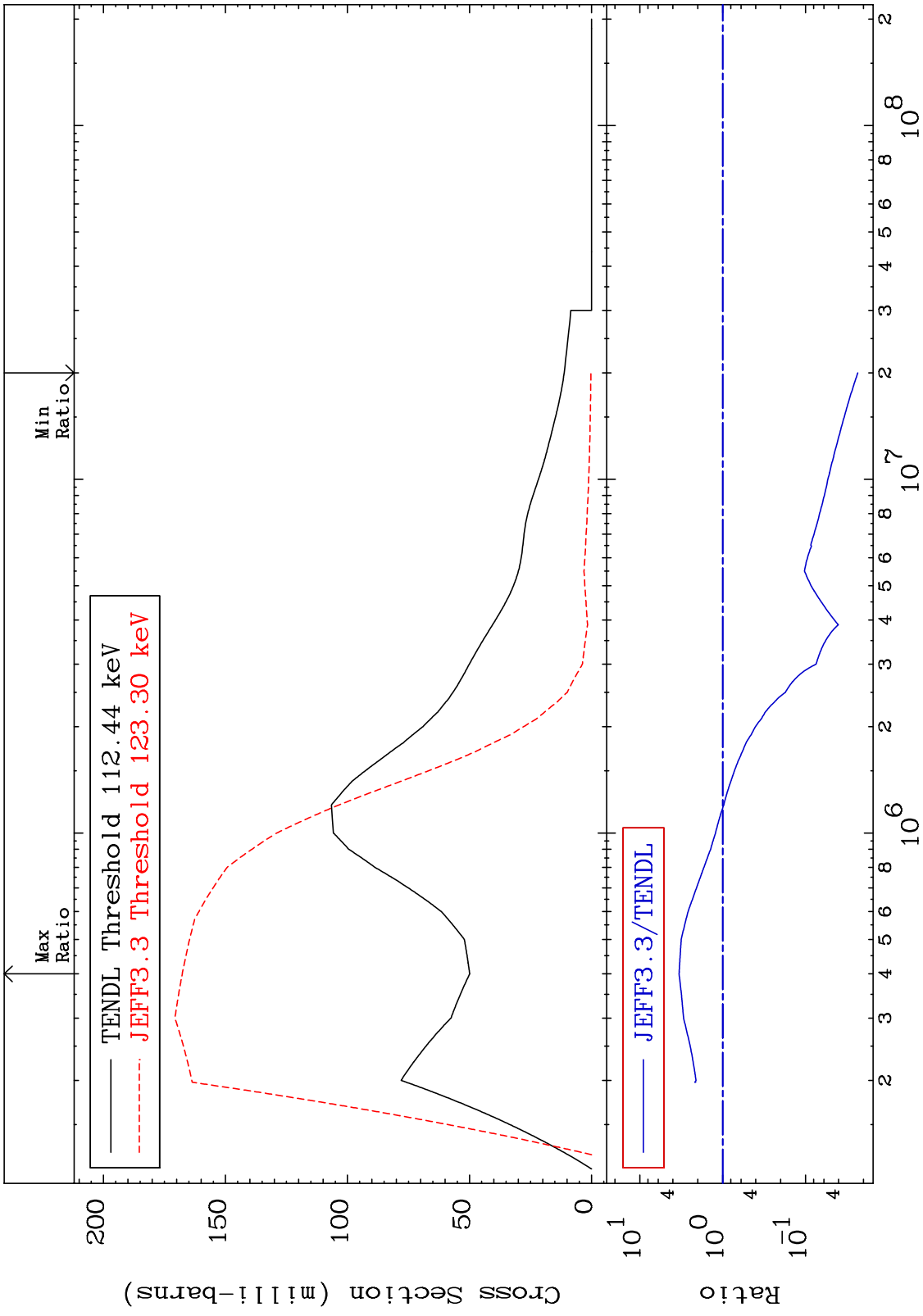
12 Incident Energy (eV) 63-Eu-154

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



13 Incident Energy (eV) 63-Eu-154

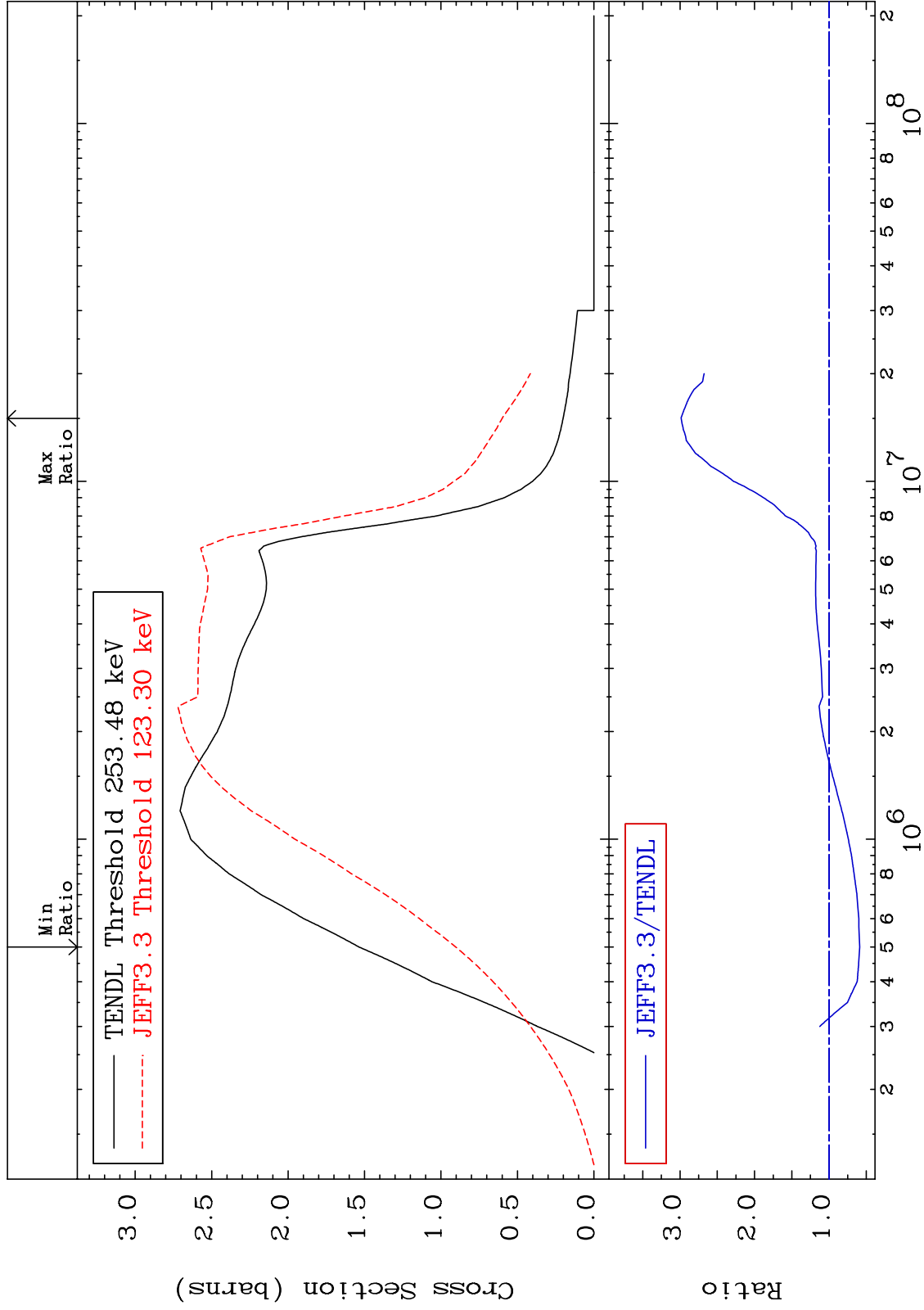
MAT 6334 MT= 57 (n,n') Level Cross Section 63-Eu-154 -97.66 To 236.1 %



MAT 6334

(n, n') Continuum
Cross Section

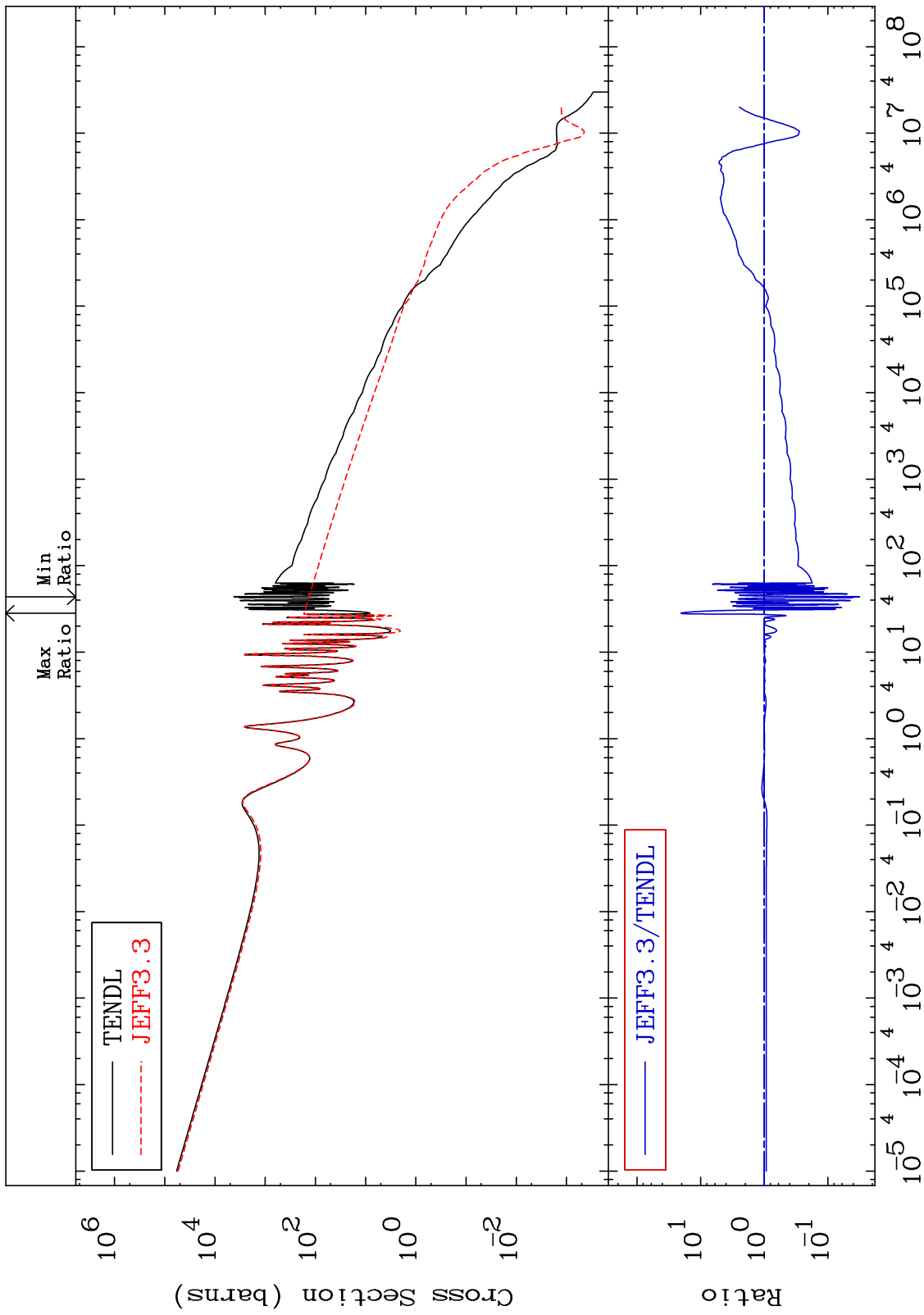
63-Eu-154
-41.19 To 198.4 %



MAT 6334

(n, γ)
Cross Section

63-Eu-154
-96.83 To 1953. %



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Incident Energy (eV)

63-Eu-154

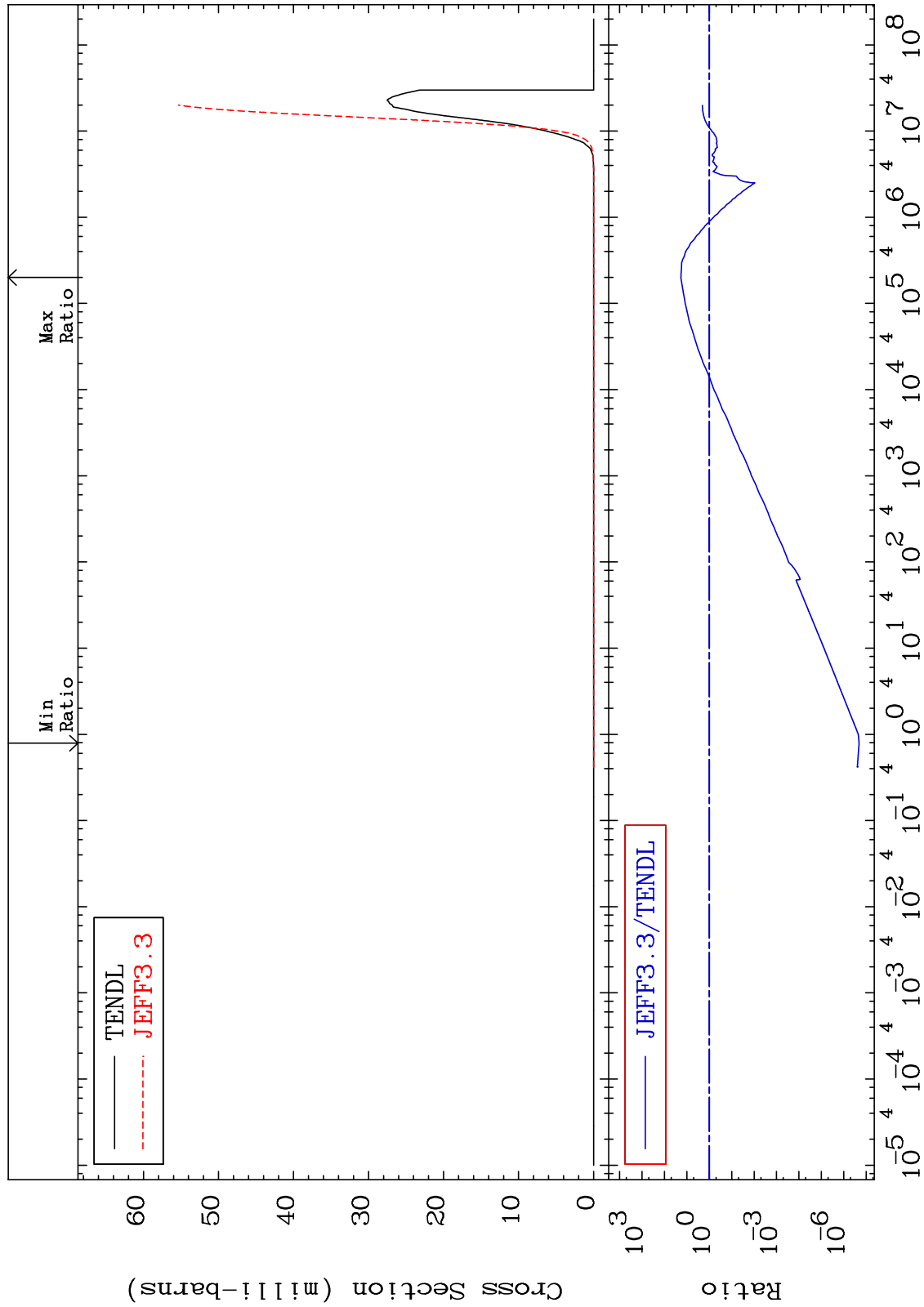
MAT 6334

(n,p)

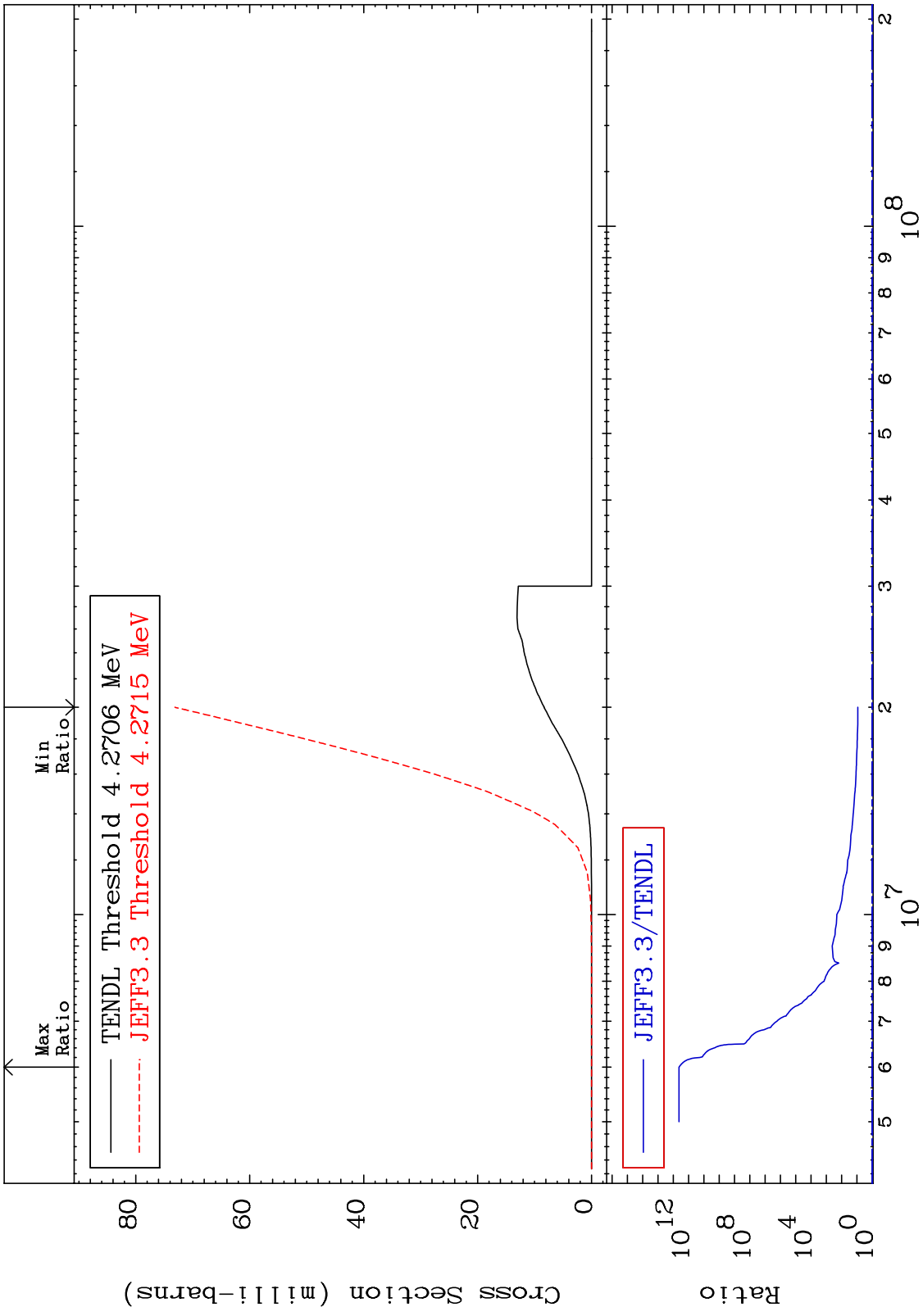
63-Eu-154

Cross Section

-100.0 To 1754. %

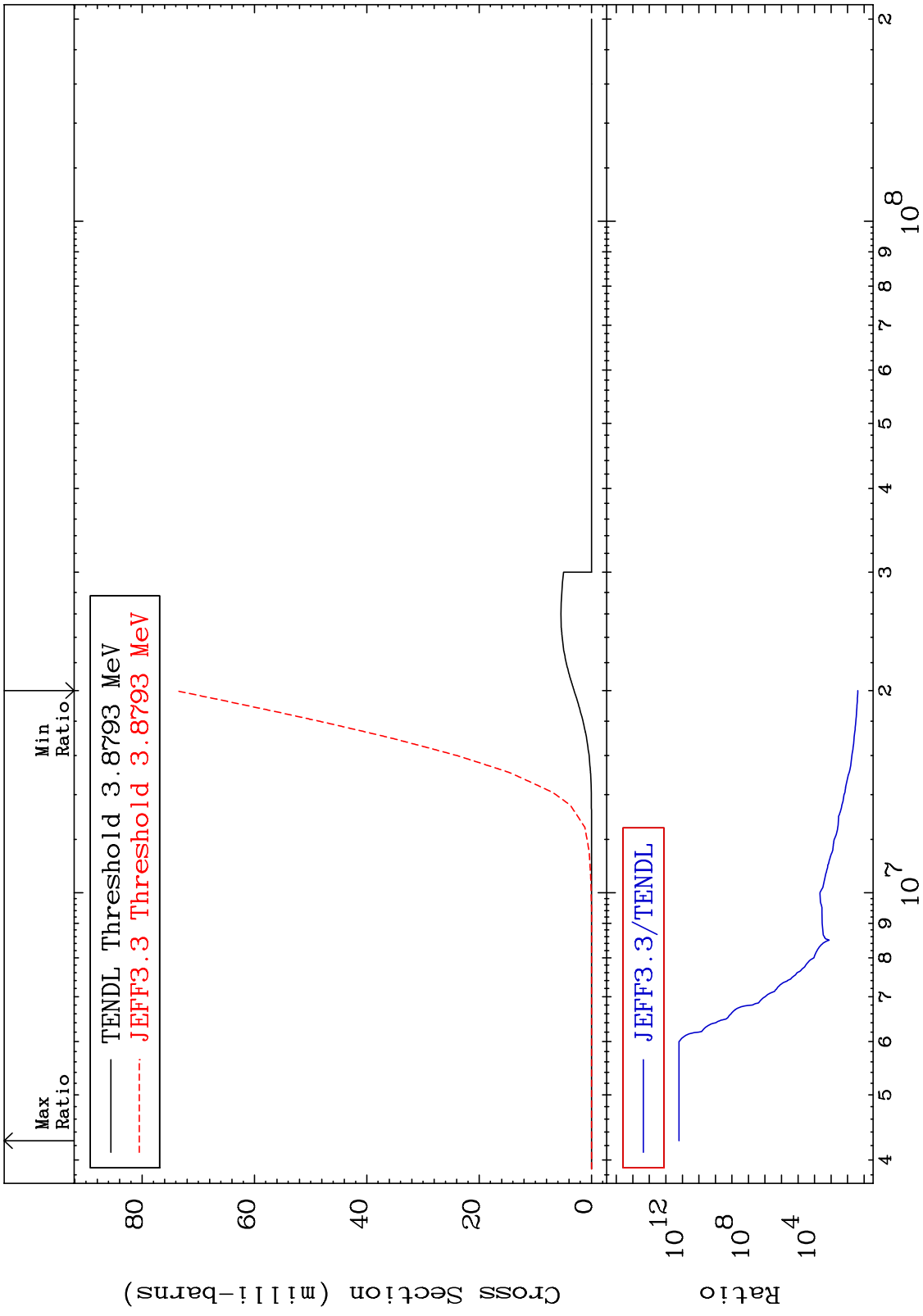


MAT 6334 (n,d) Cross Section 63-Eu-154 777.3 To 9999. %

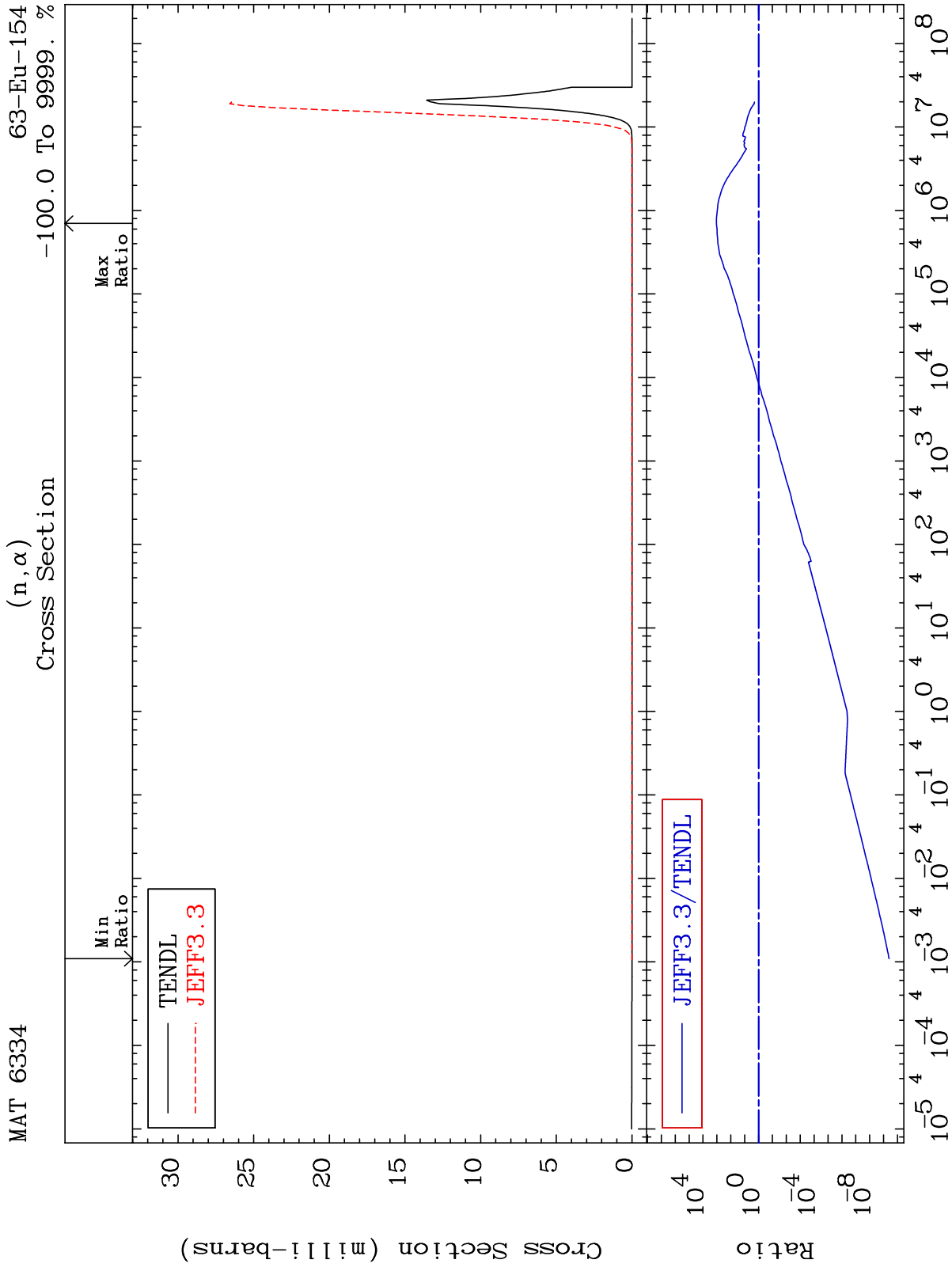


18 63-Eu-154

MAT 6334 (n,t) Cross Section 63-Eu-154 2290. To 9999. %



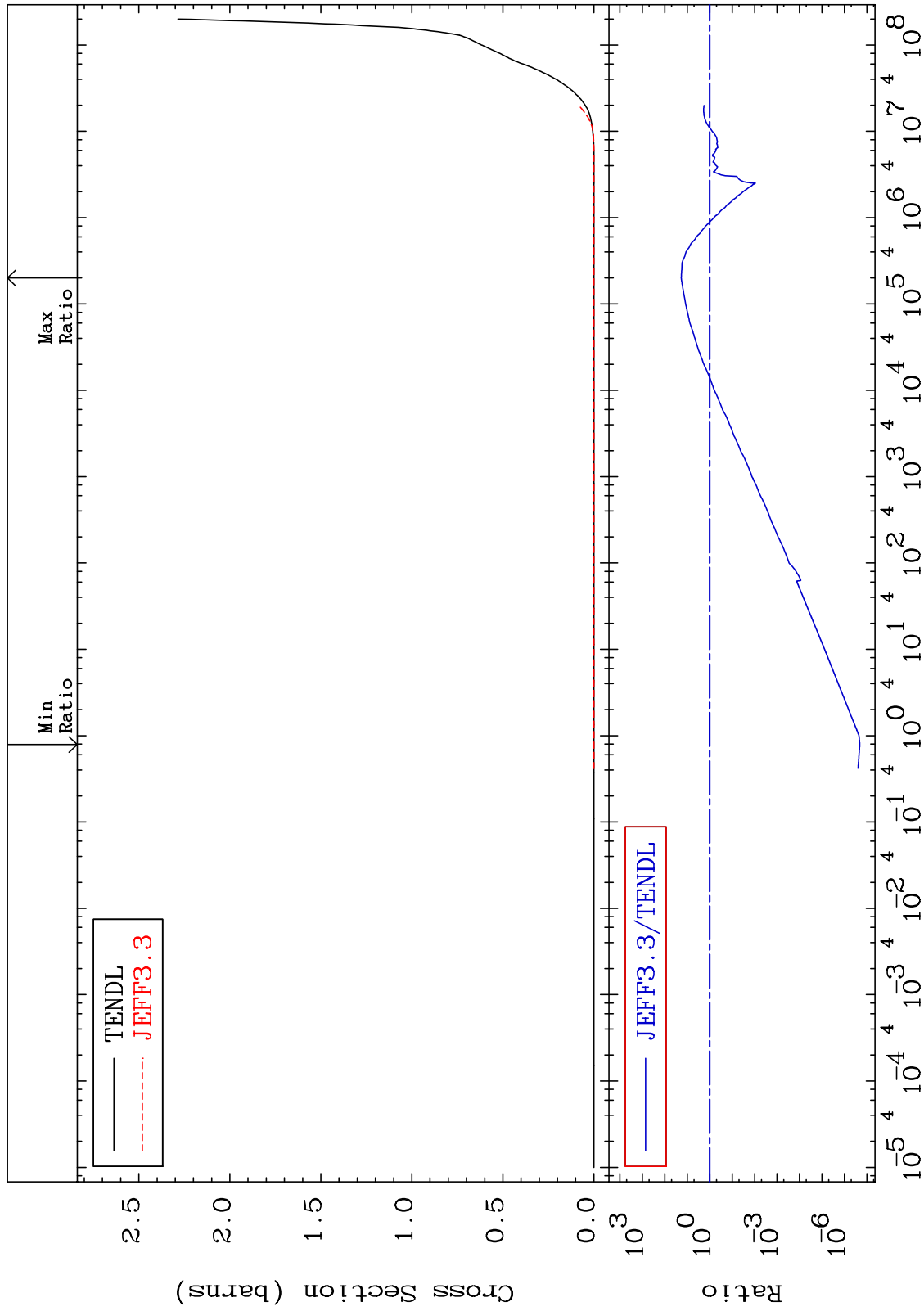
19 63-Eu-154 Incident Energy (eV)



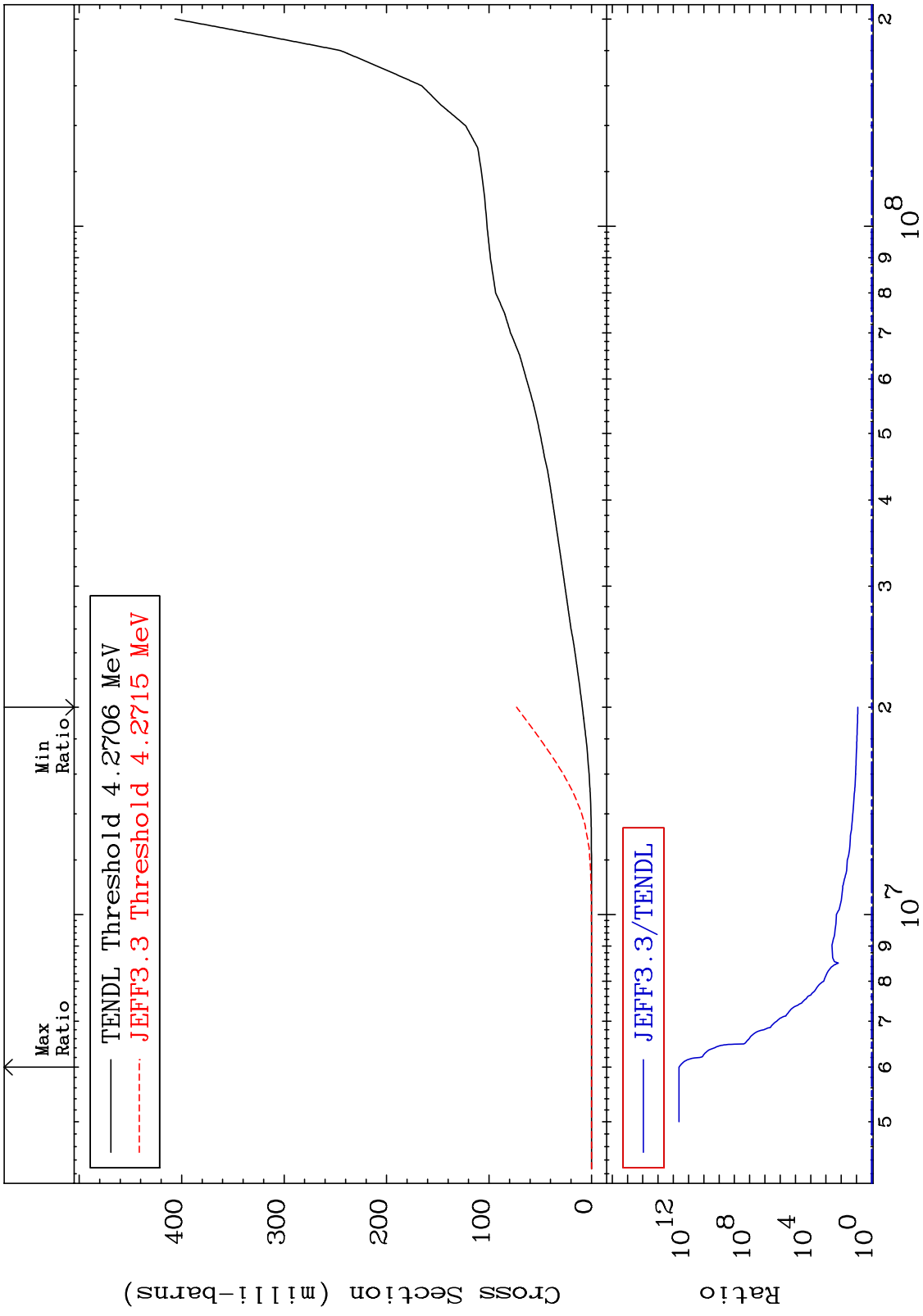
MAT 6334

Hydrogen Production
Cross Section

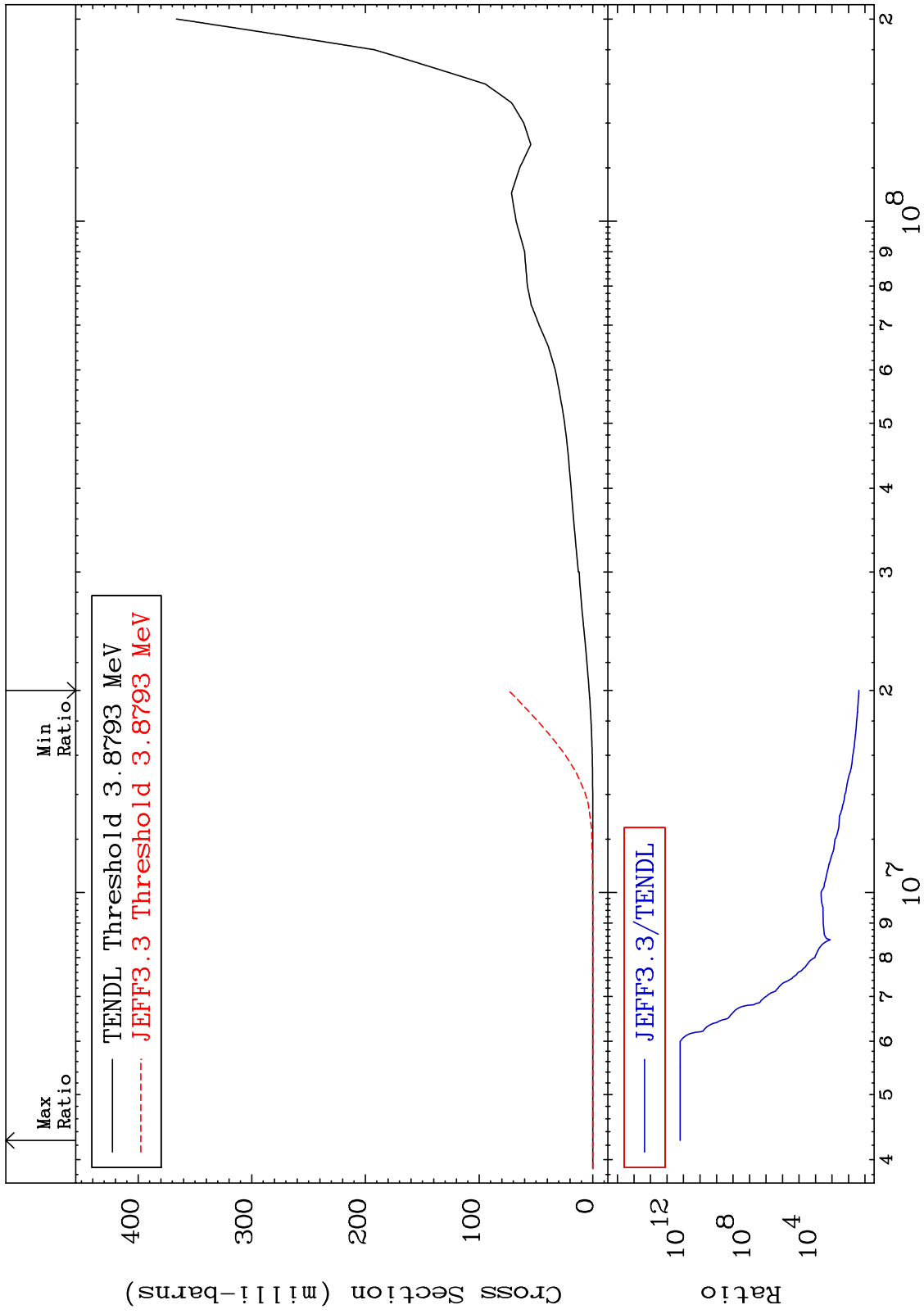
63-Eu-154
-100.0 To 1754. %



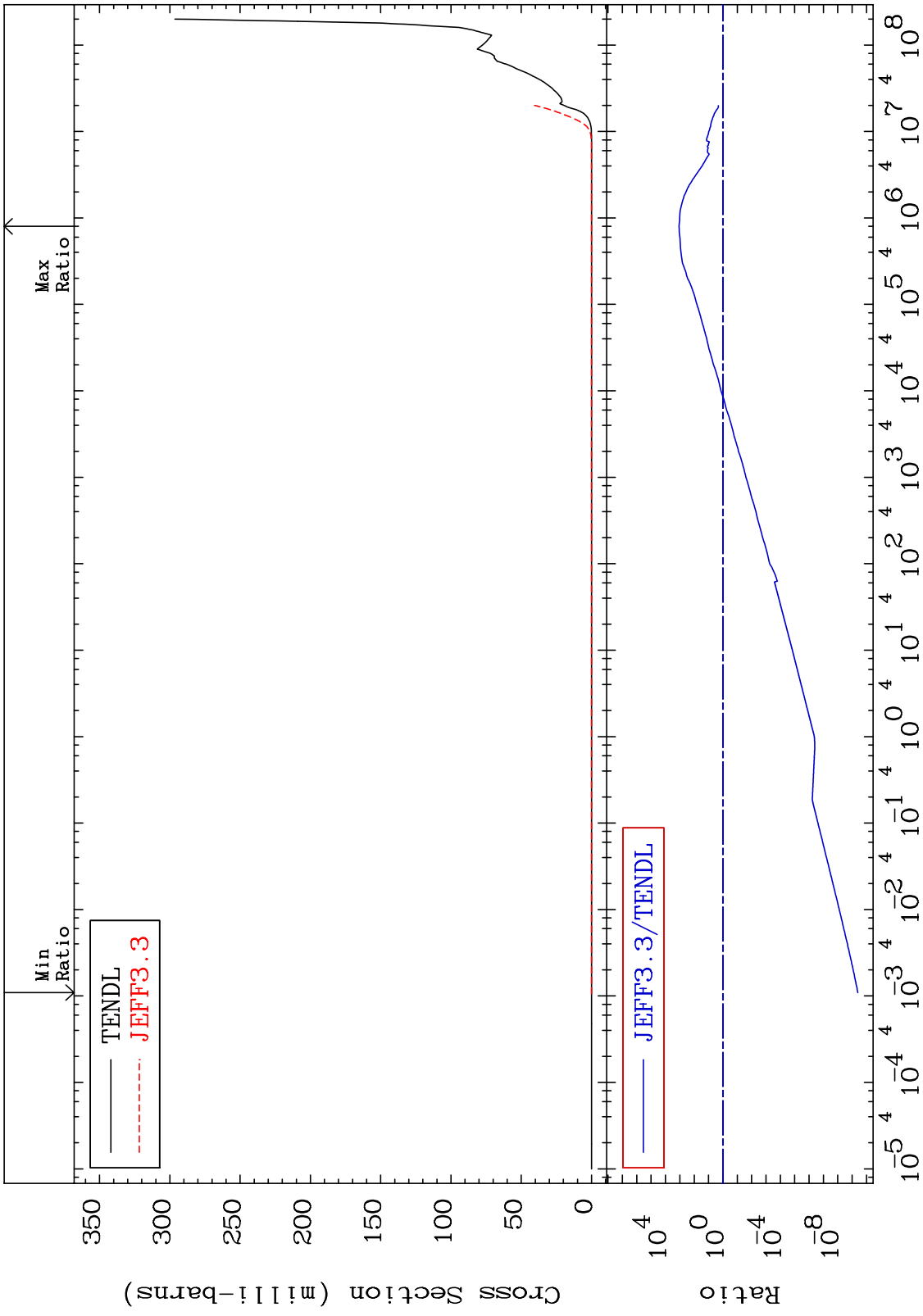
MAT 6334 Deuterium Production Cross Section 63-Eu-154 718.5 To 9999. %



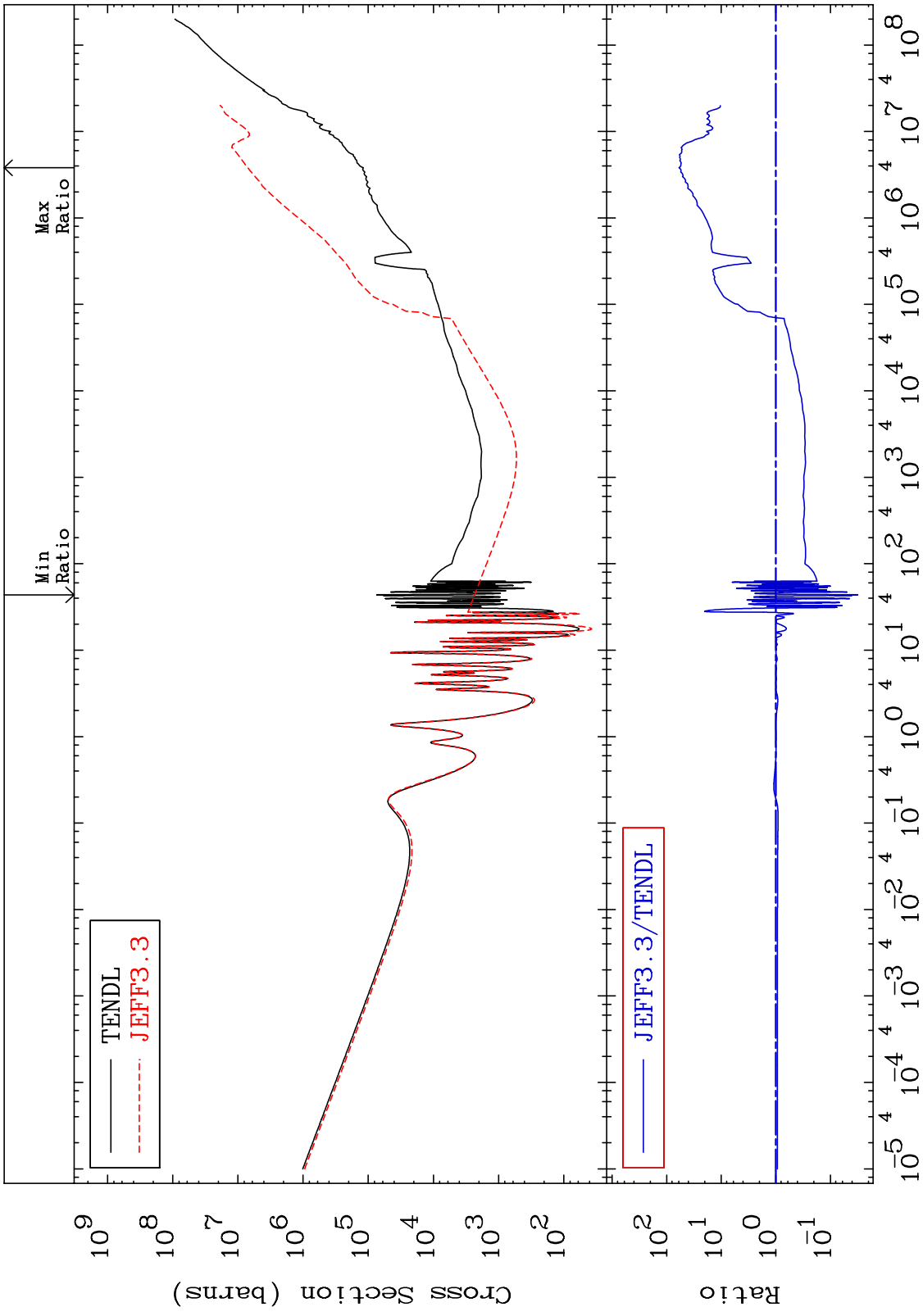
22 63-Eu-154 Incident Energy (eV)



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



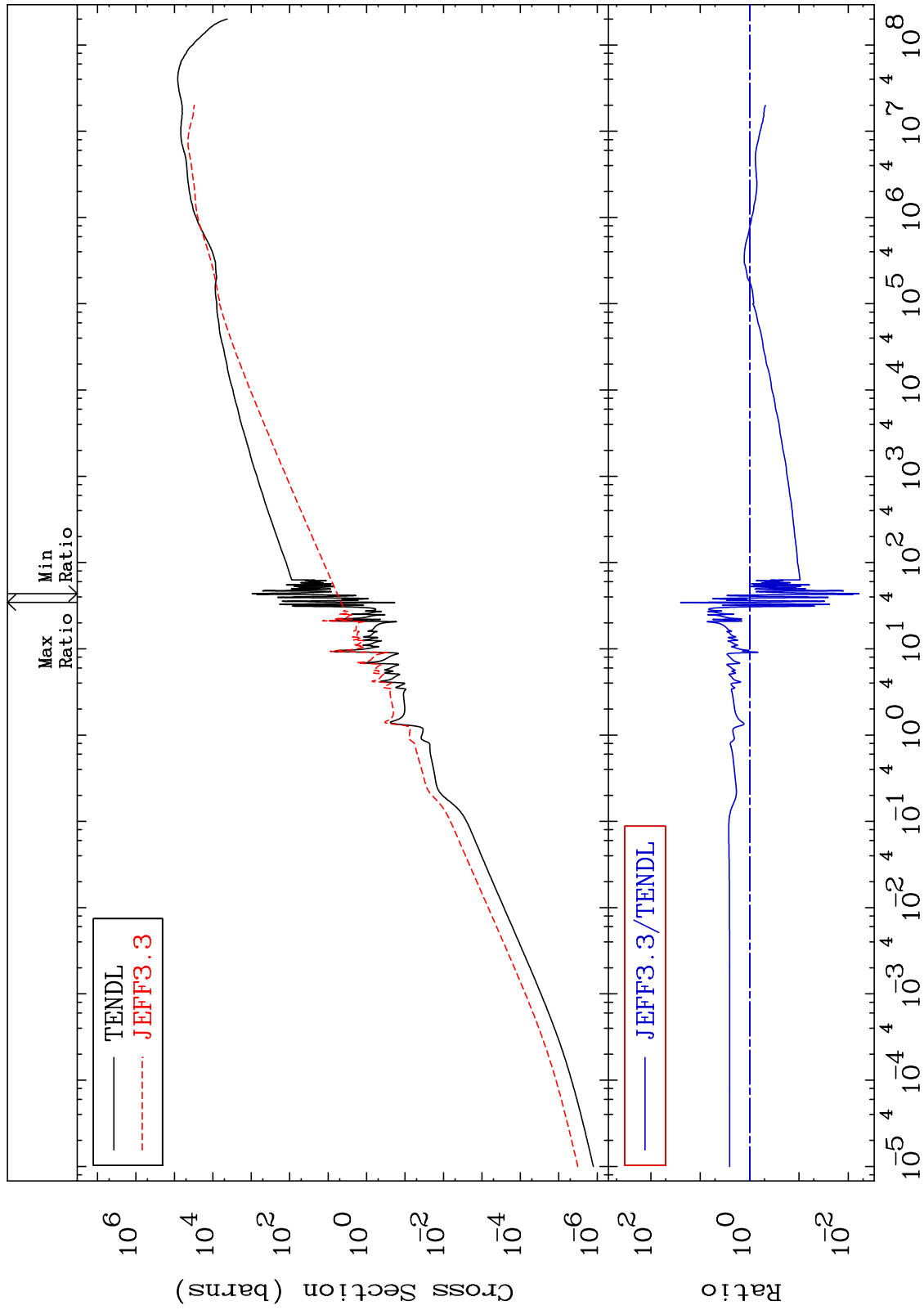
MAT 6334 Kerma total (eV-barns) 63-Eu-154
 Cross Section -96.86 To 5843. %



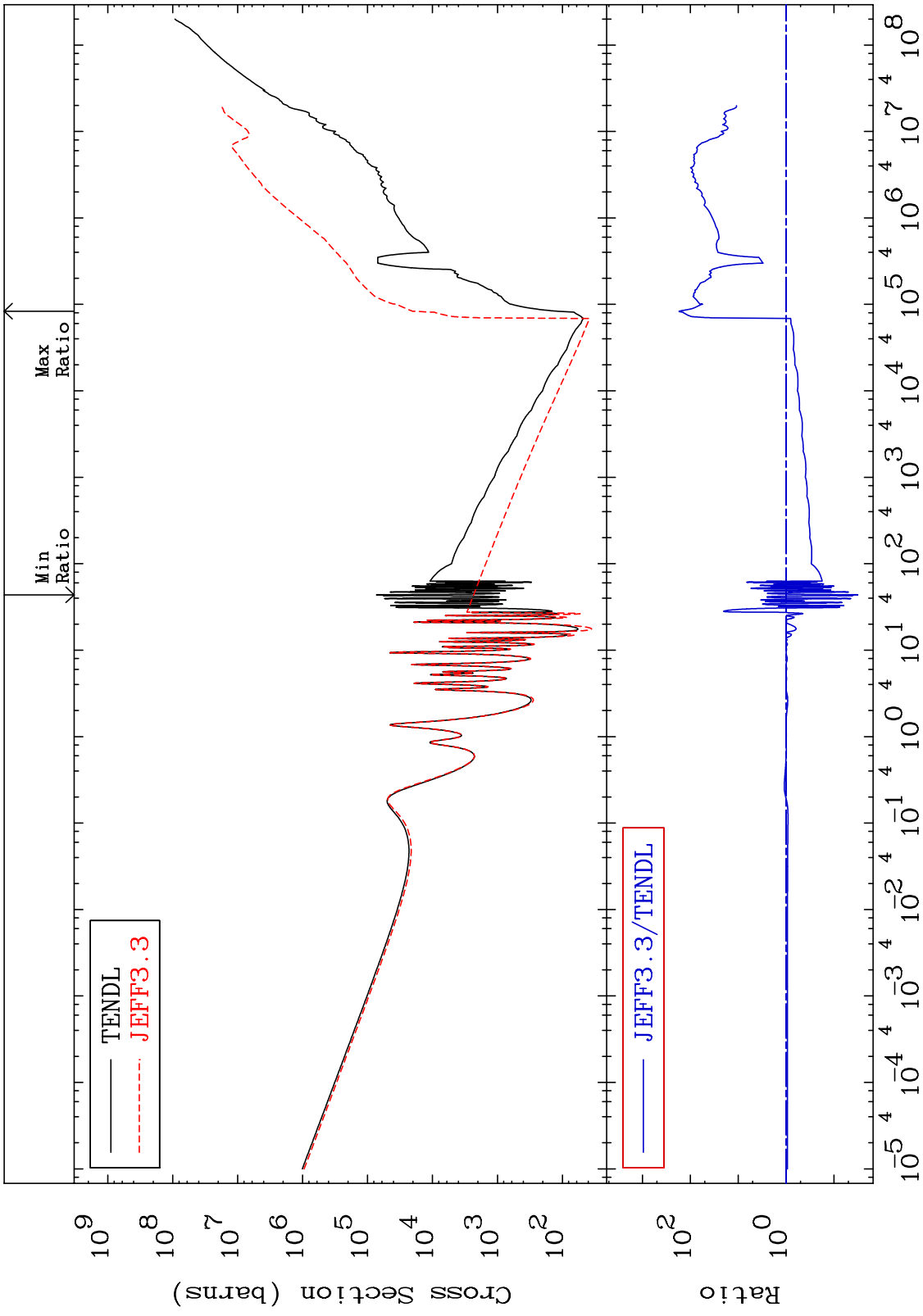
MAT 6334

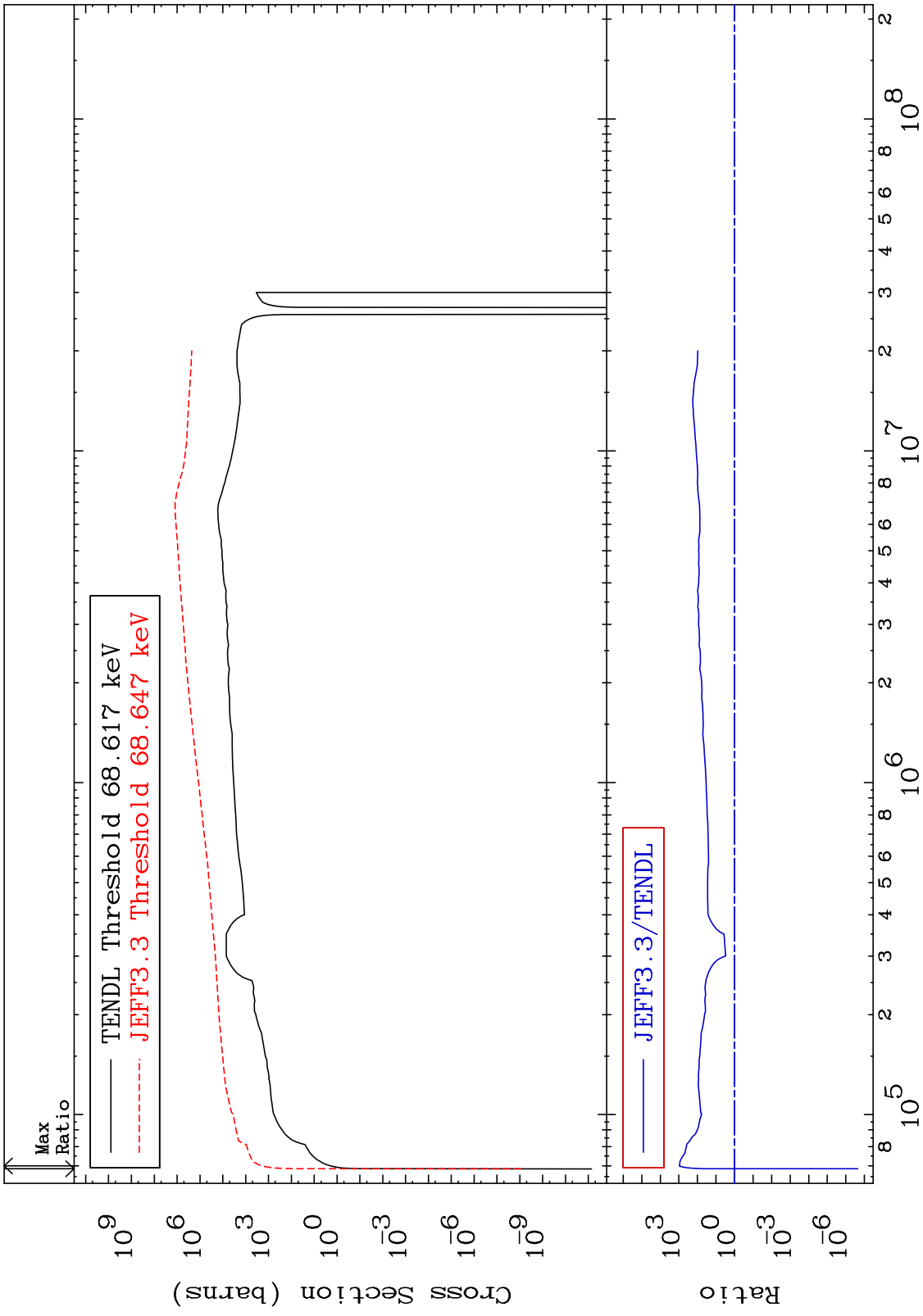
Kerma elastic
Cross Section

63-Eu-154
-99.39 To 2399. %



MAT 6334 Kerma non-elastic (all but mt2) 63-Eu-154
 Cross Section -96.83 To 9999. %

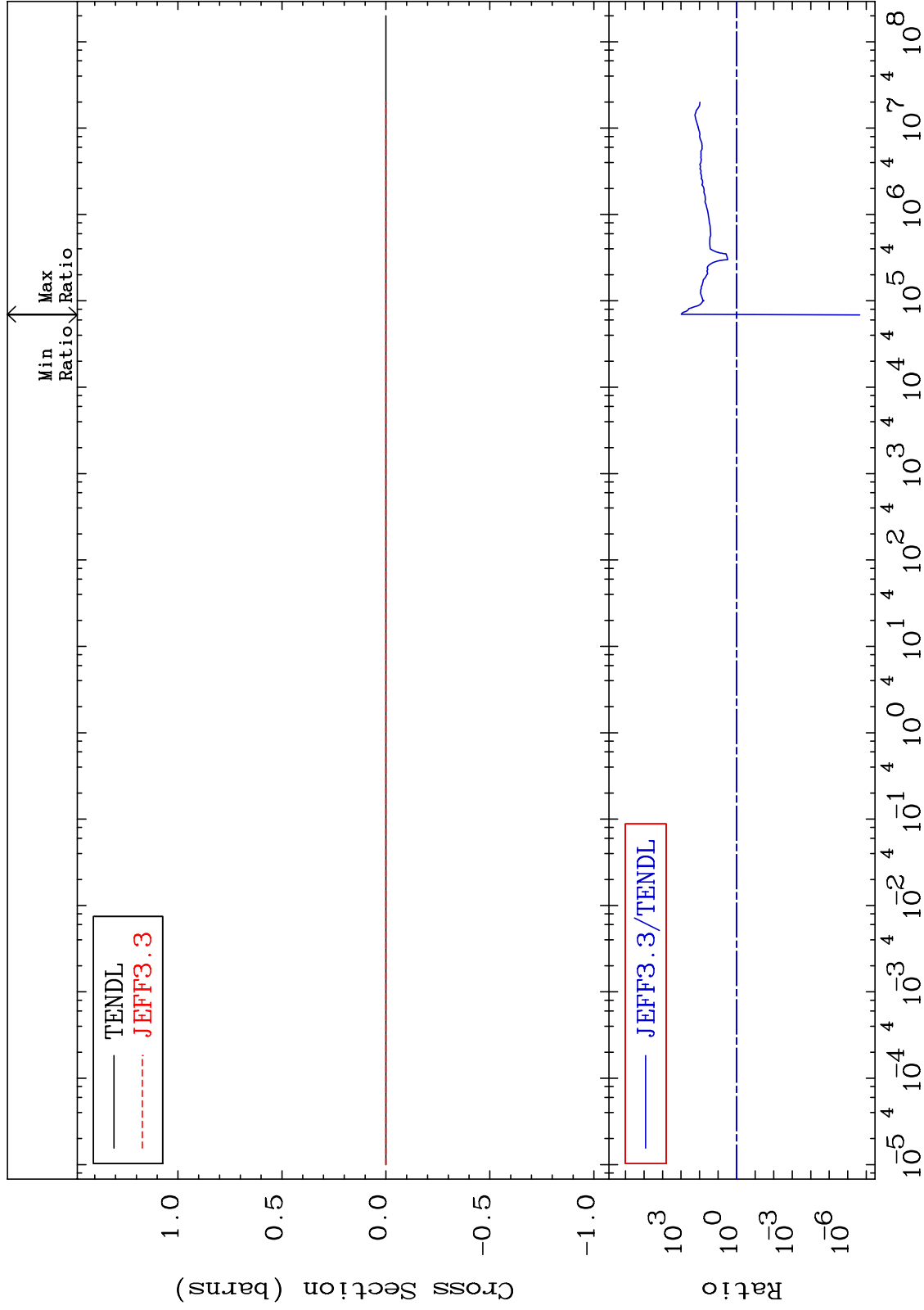




MAT 6334

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

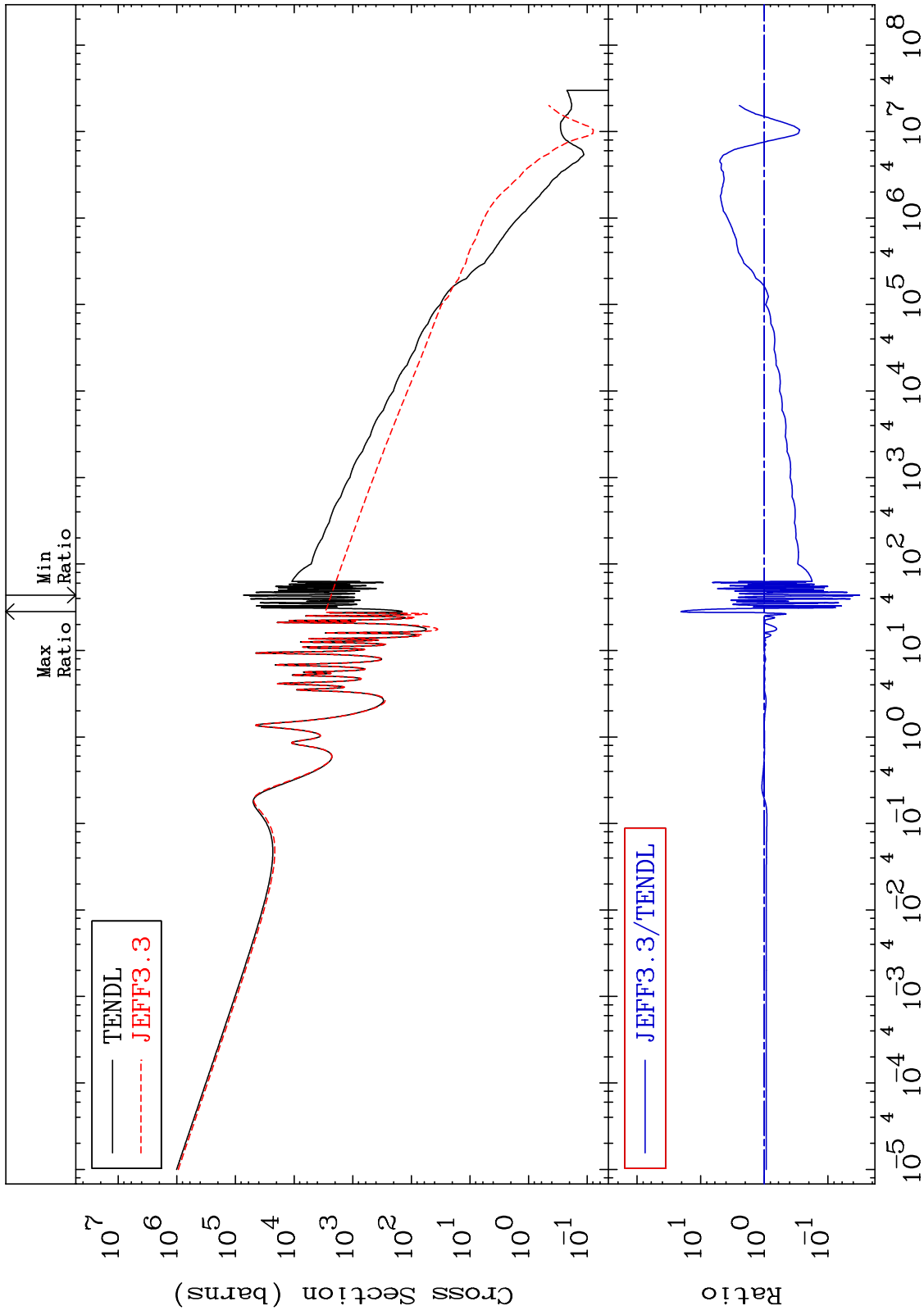
63-Eu-154
-100.0 To 9999. %



MAT 6334

Kerma capture (mt102)
Cross Section

63-Eu-154
-96.83 To 1953. %

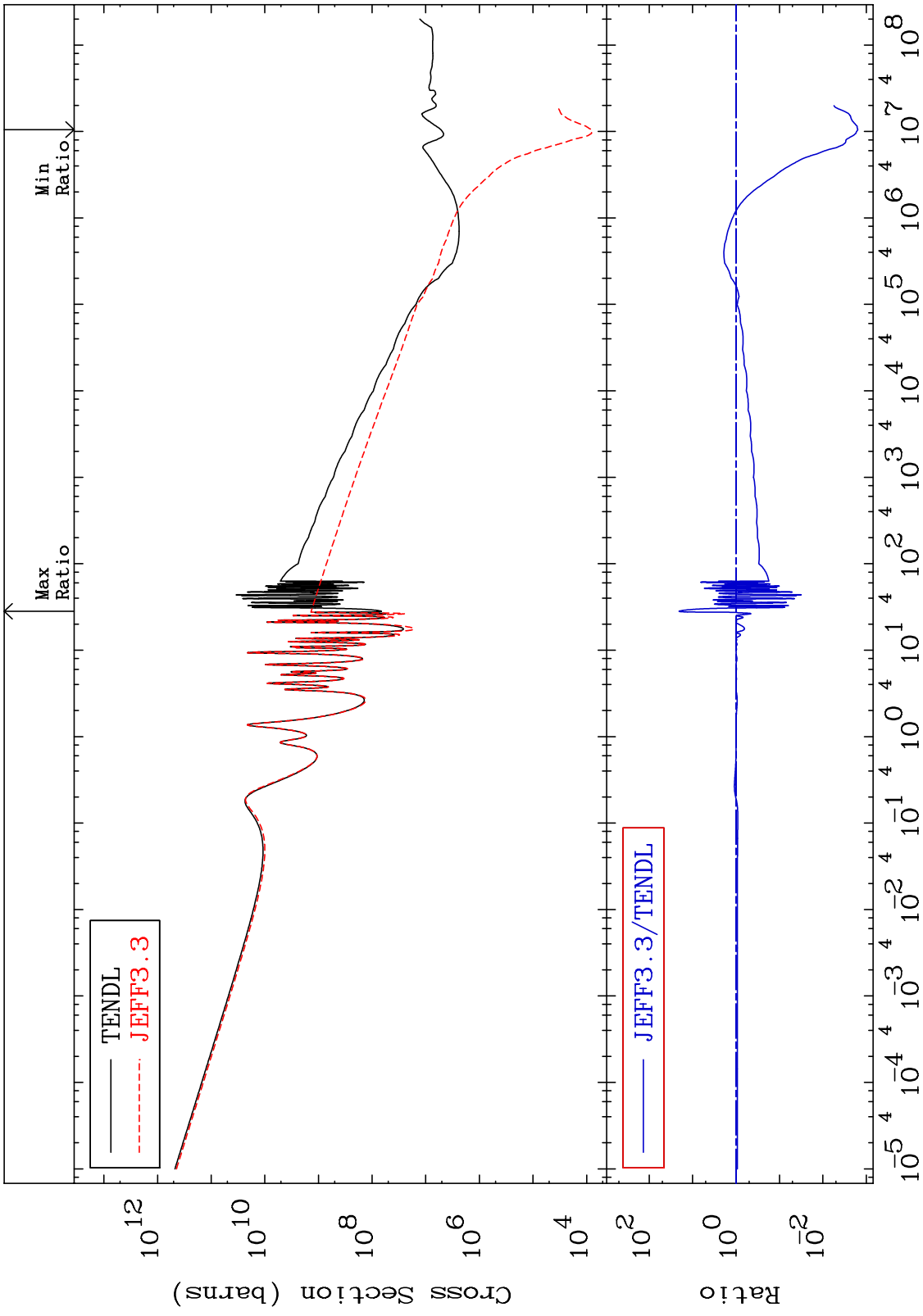


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Incident Energy (eV)

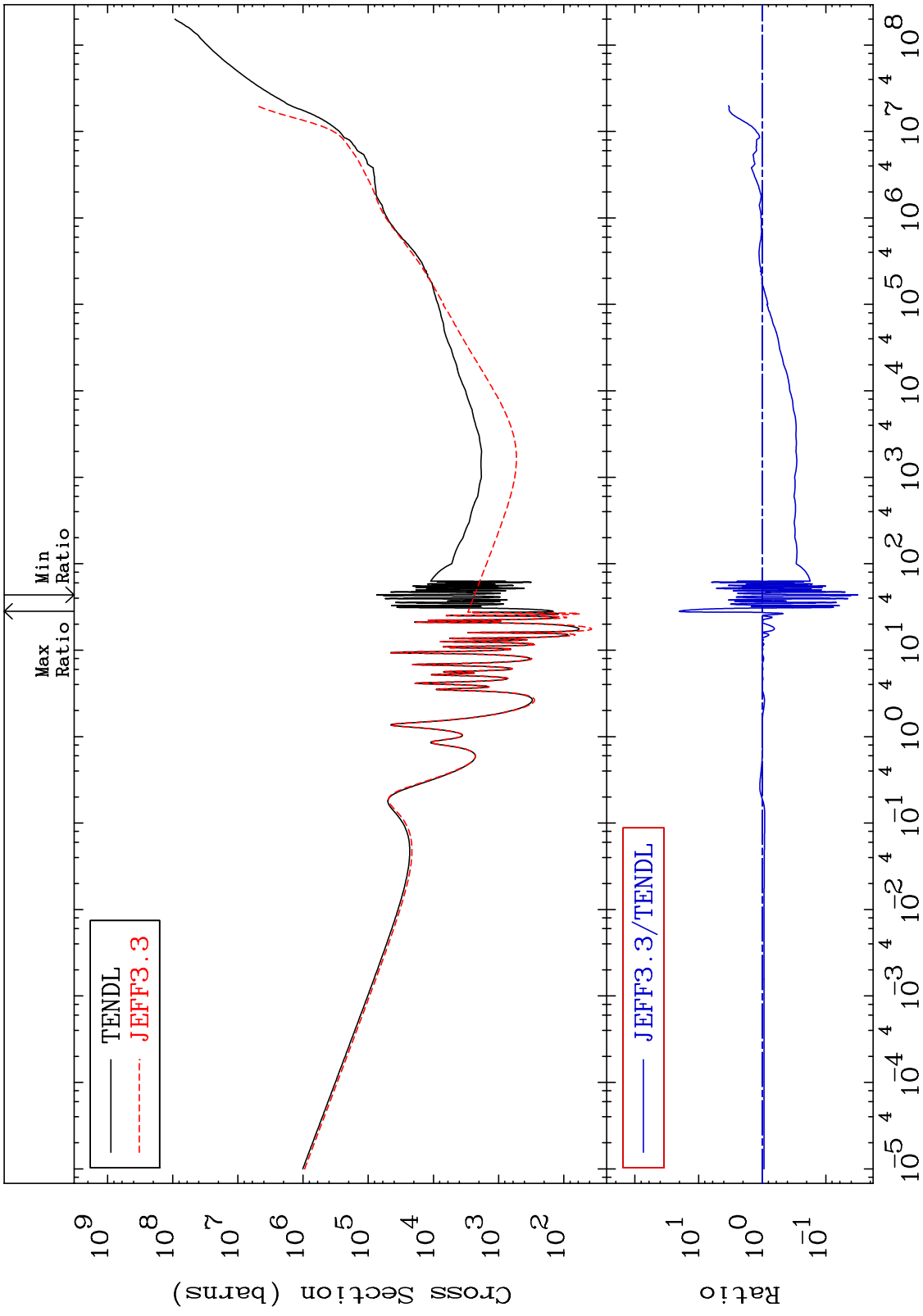
63-Eu-154

MAT 6334 63-Eu-154
 Total photon (eV-barns) -99.84 To 1953. %
 Cross Section

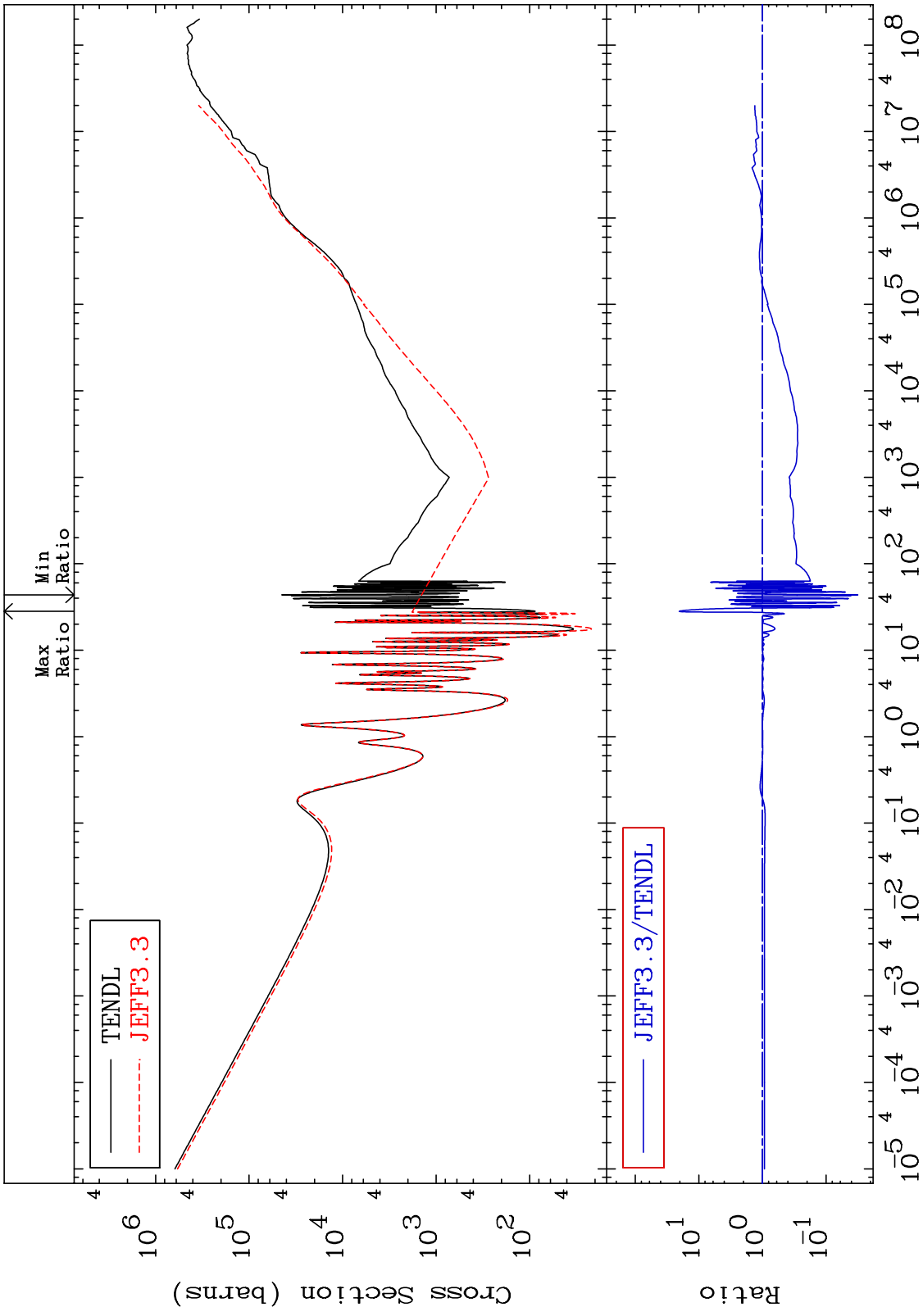


31 63-Eu-154

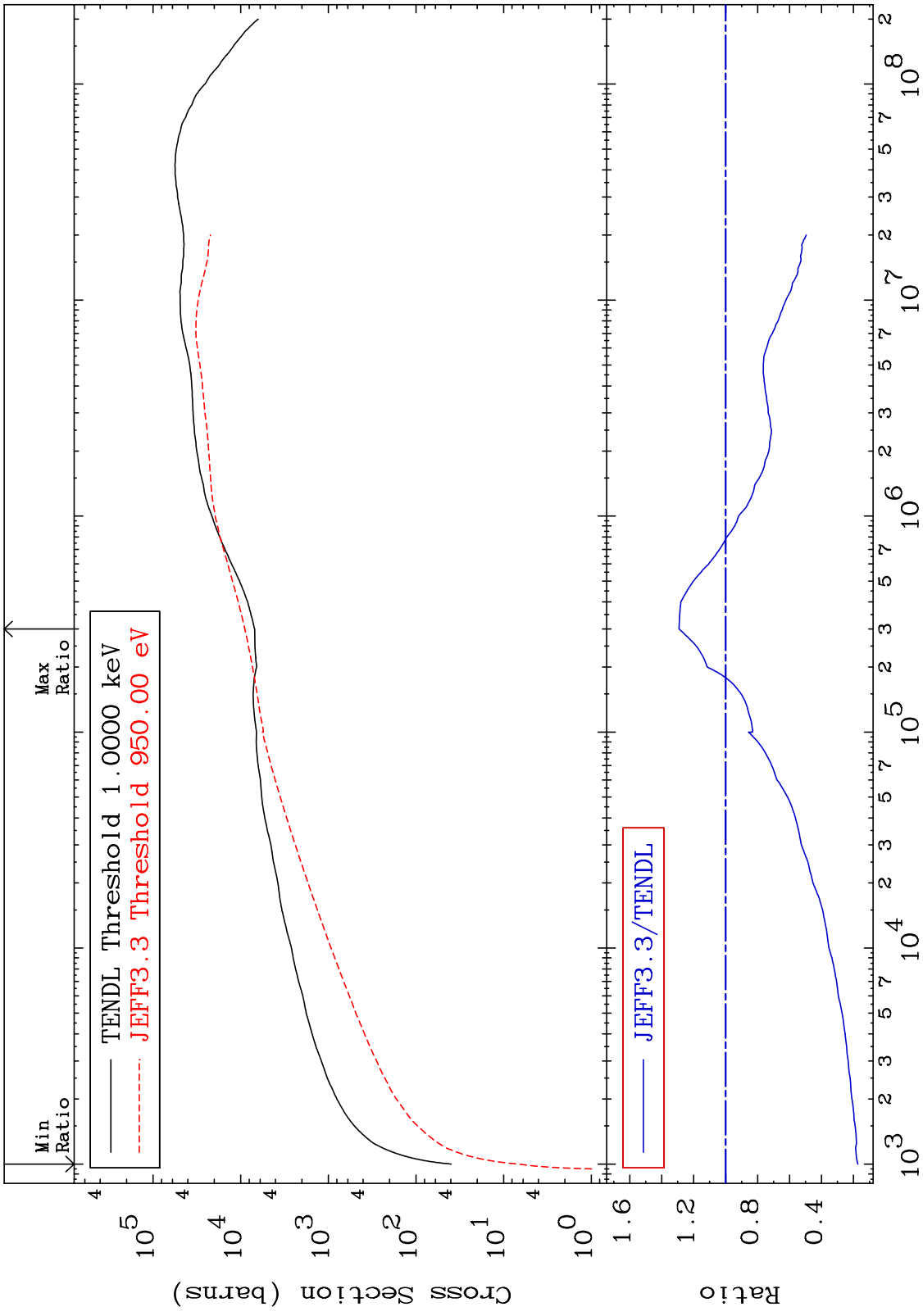
MAT 6334 Total kinematic kerma (high limit) 63-Eu-154
 Cross Section -96.86 To 1925. %



MAT 6334 Dpa total (eV-barns) 63-Eu-154
 Cross Section -96.83 To 1953. %

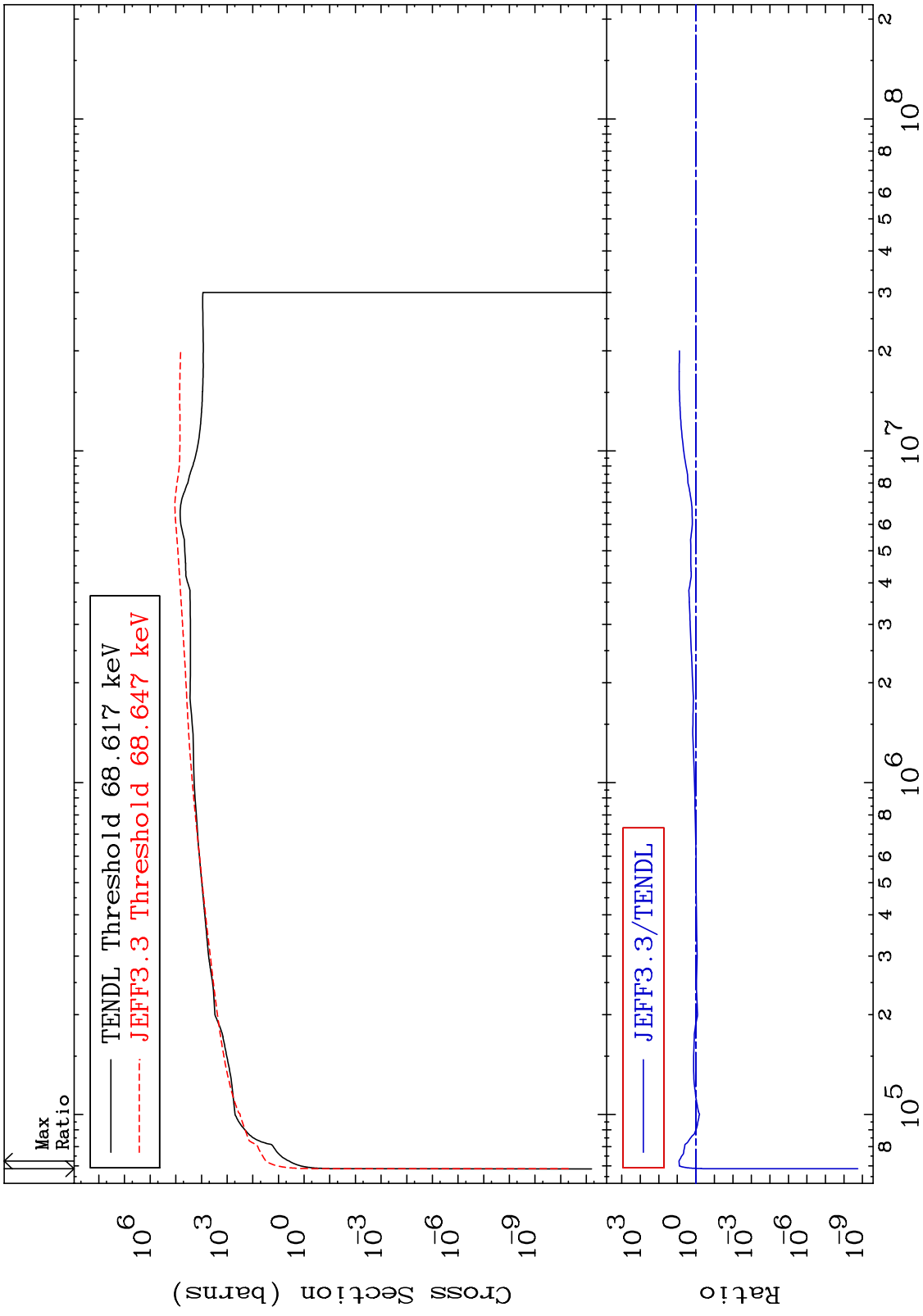


MAT 6334 63-Eu-154
-82.70 To 29.17 %
 Dpa elastic (mt2)
 Cross Section



Incident Energy (eV) 63-Eu-154

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
-96.83 To 1953. %

