

Program Complot
(Version 2018-1)

by

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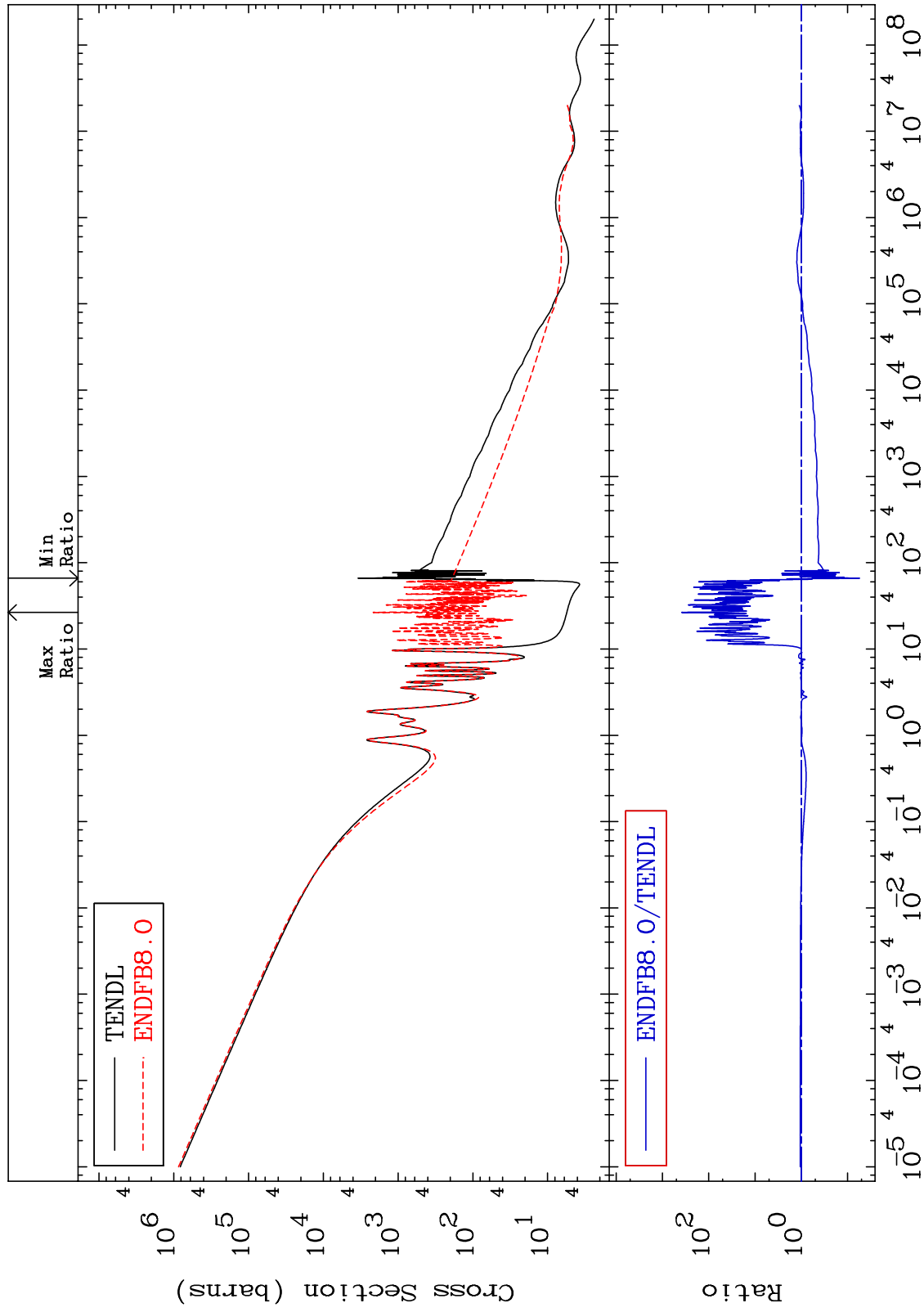
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6328

Total
Cross Section

63-Eu-152
-94.54 To 9999. %



1

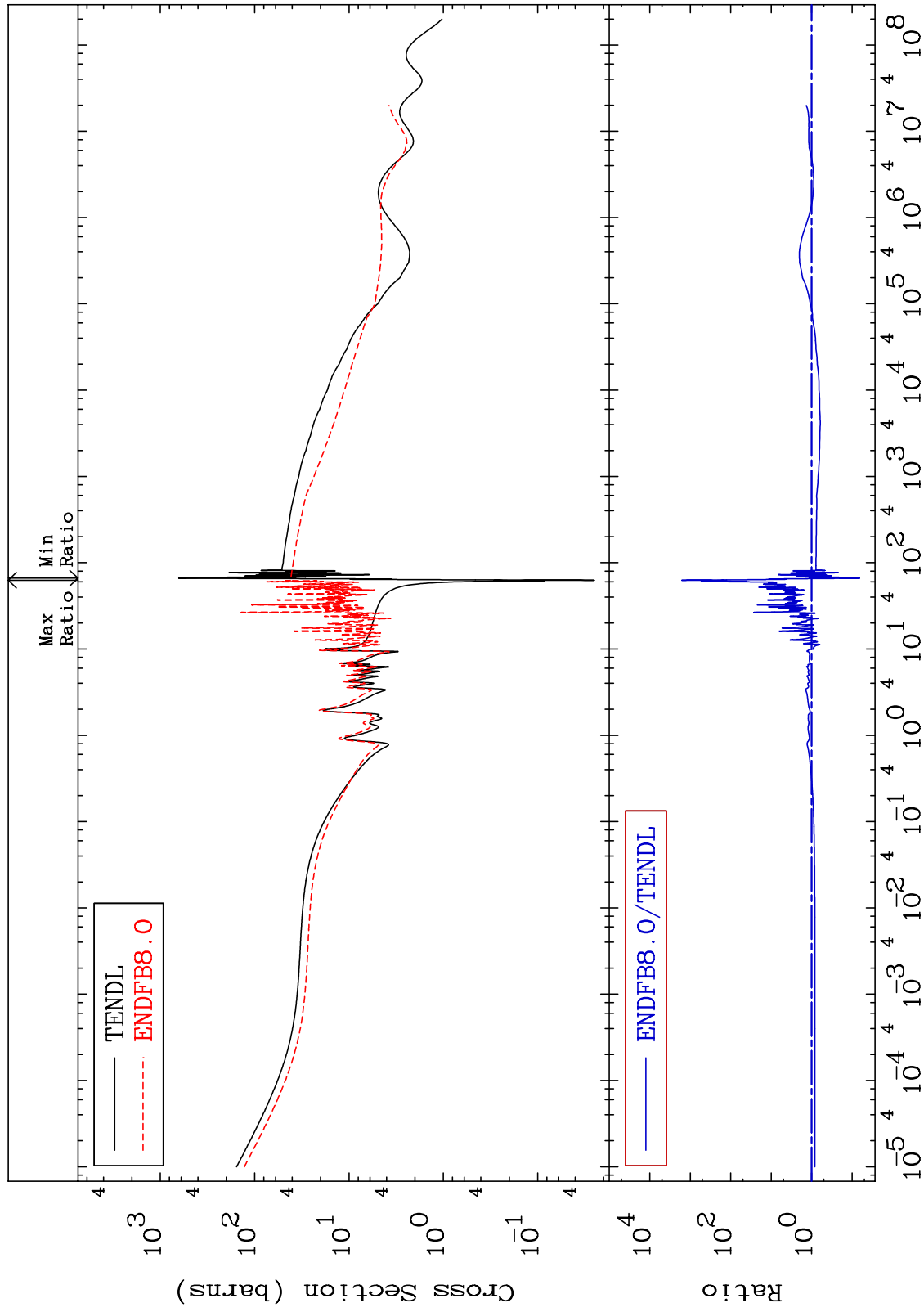
Incident Energy (eV)

63-Eu-152

MAT 6328

Elastic
Cross Section

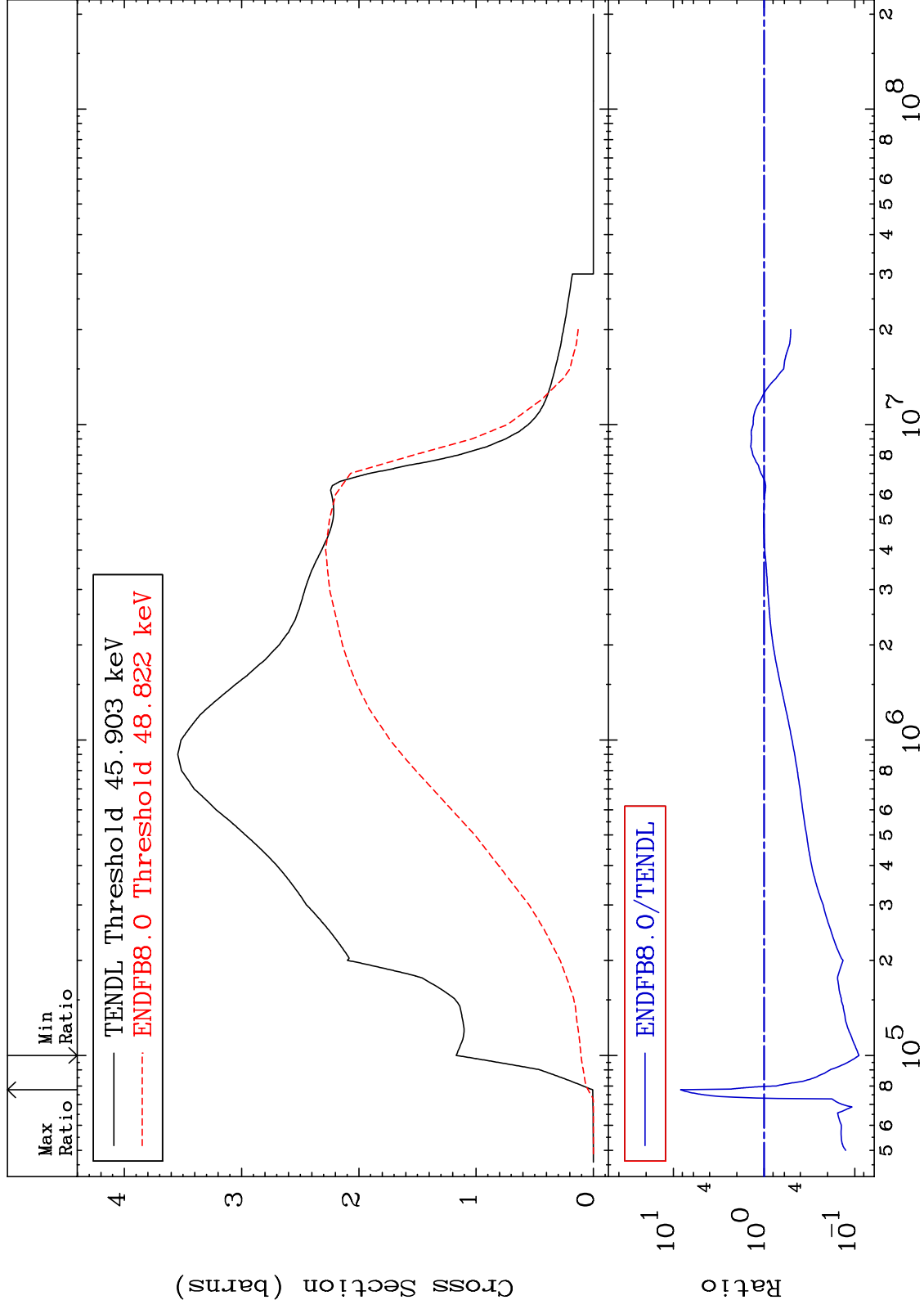
63-Eu-152
-93.56 To 9999. %



MAT 6328

Inelastic
Cross Section

63-Eu-152
-90.99 To 732.5 %

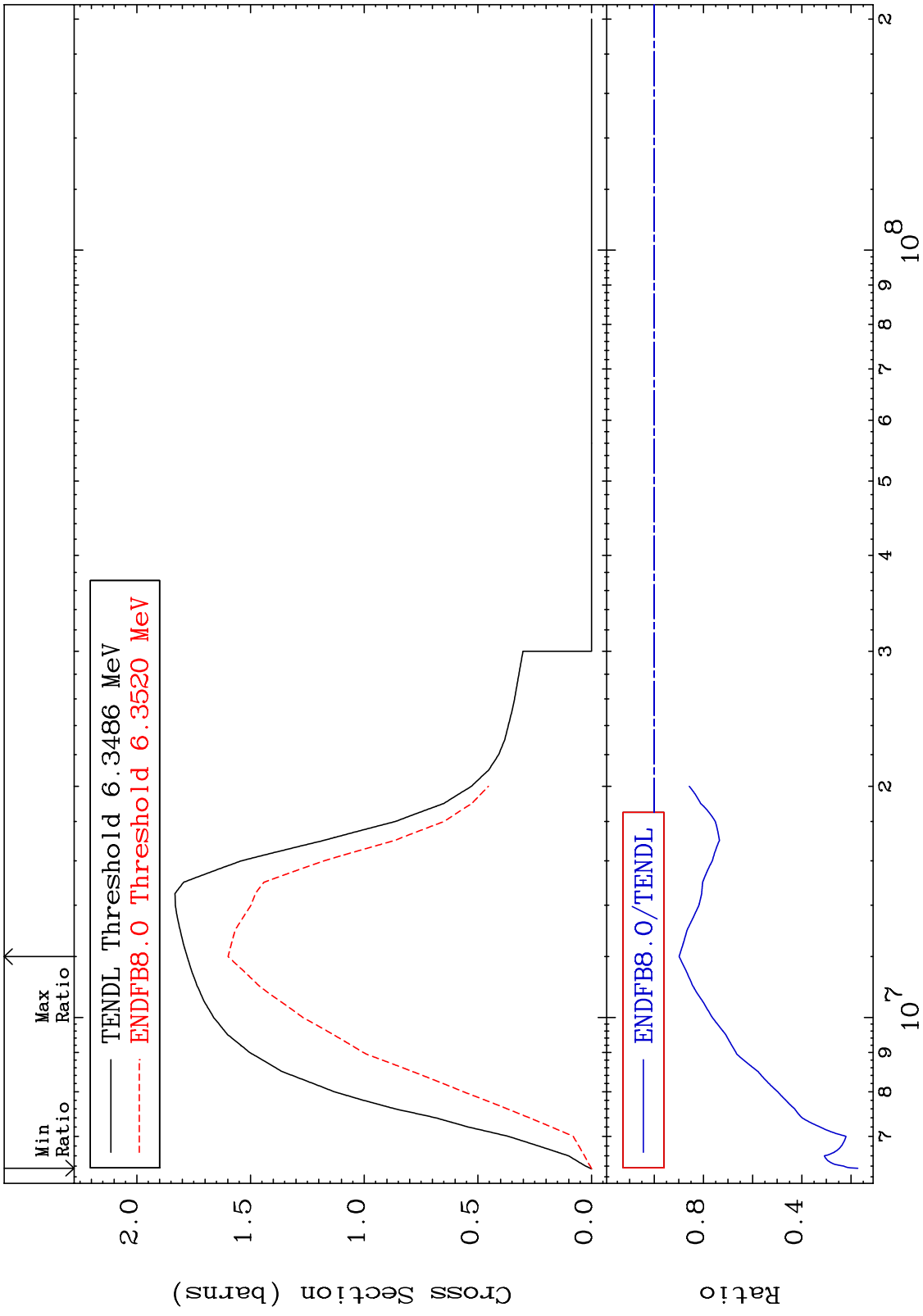


63-Eu-152

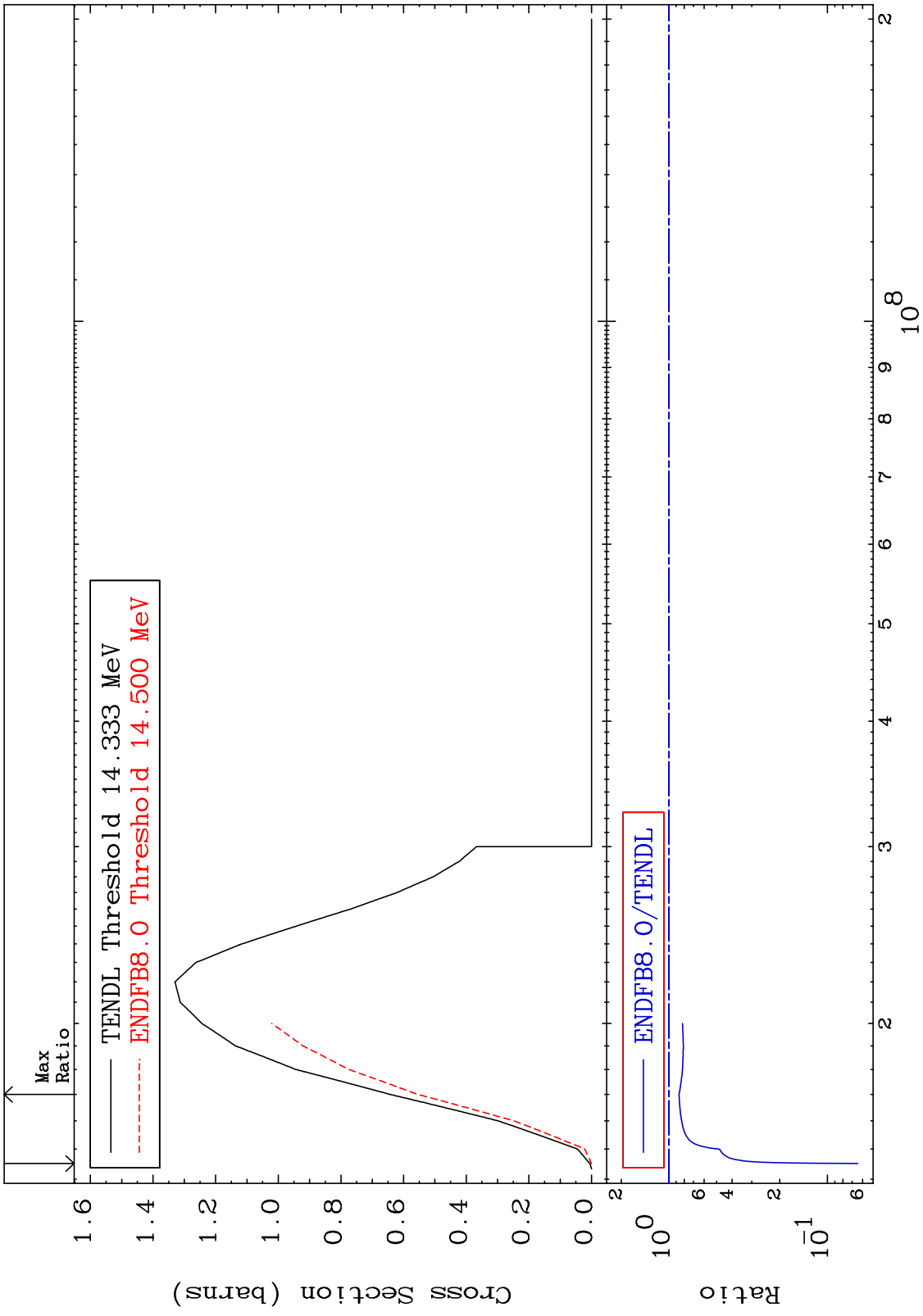
Incident Energy (eV)

3

MAT 6328 (n,2n) 63-Eu-152
Cross Section -82.78 To -10.11%



MAT 6328 (n,3n) Cross Section 63-Eu-152 -93.56 To -13.69%



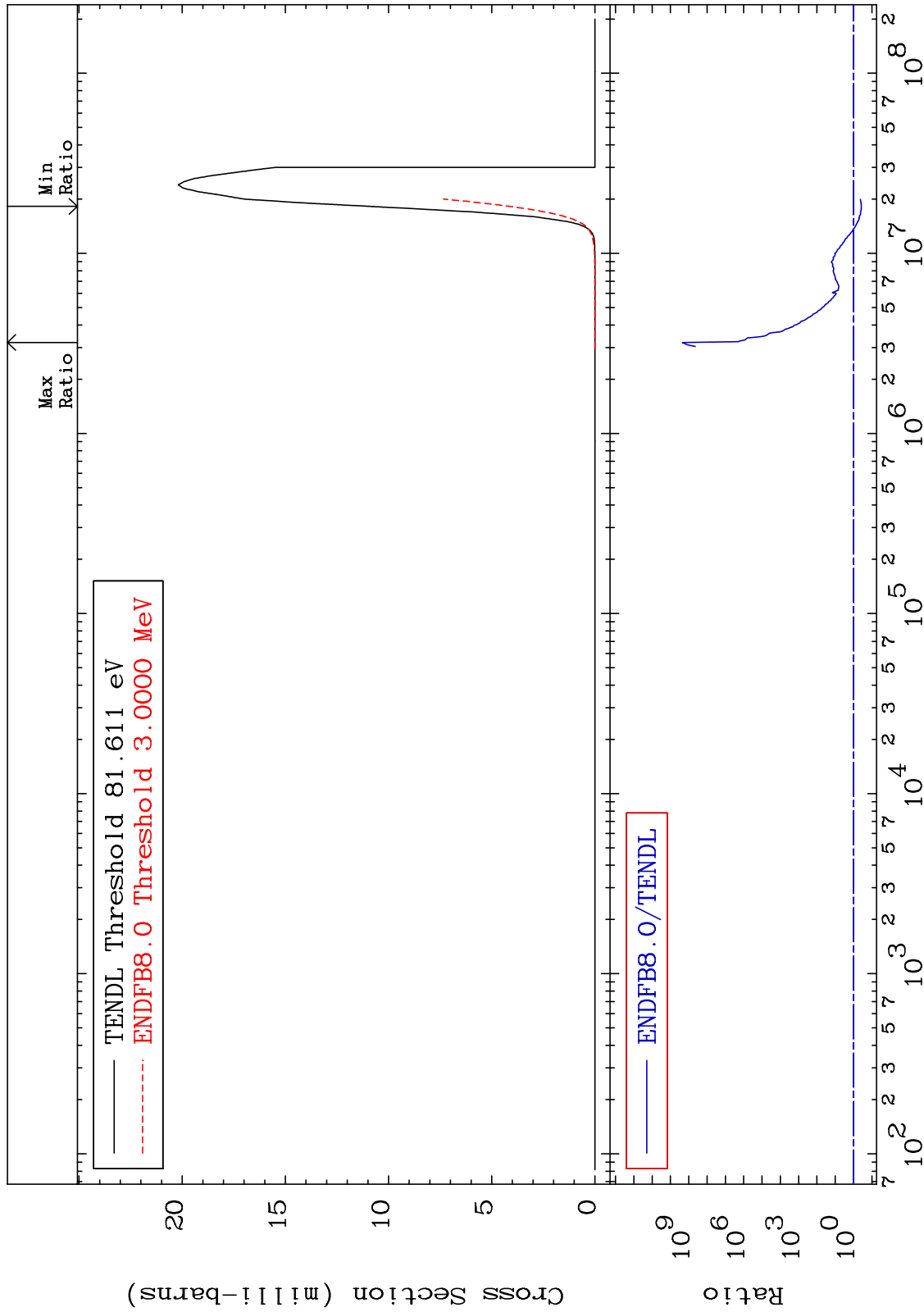
MAT 6328

(n, n') α

63-Eu-152

Cross Section

-62.14 To 9999. %

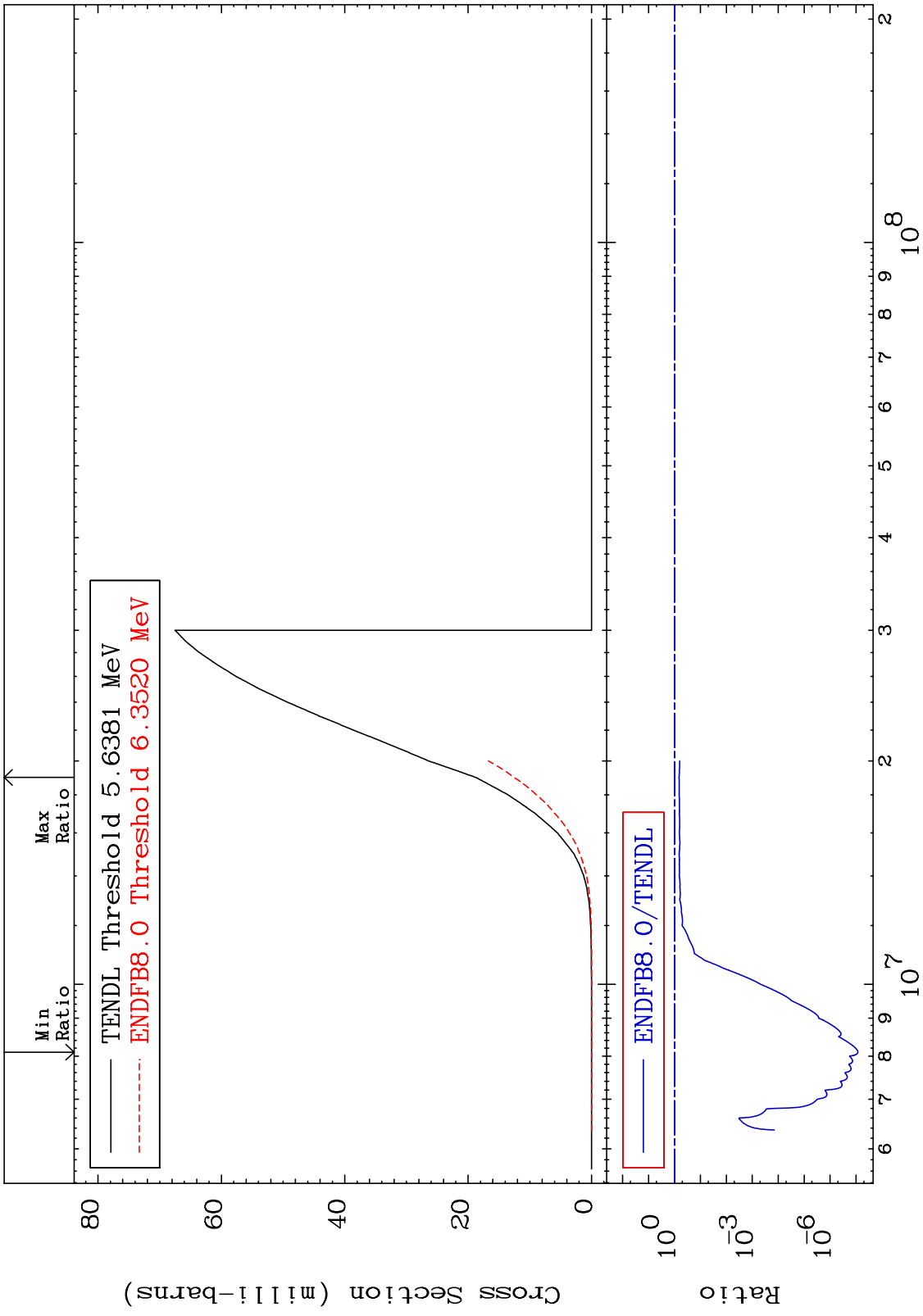


6

Incident Energy (eV)

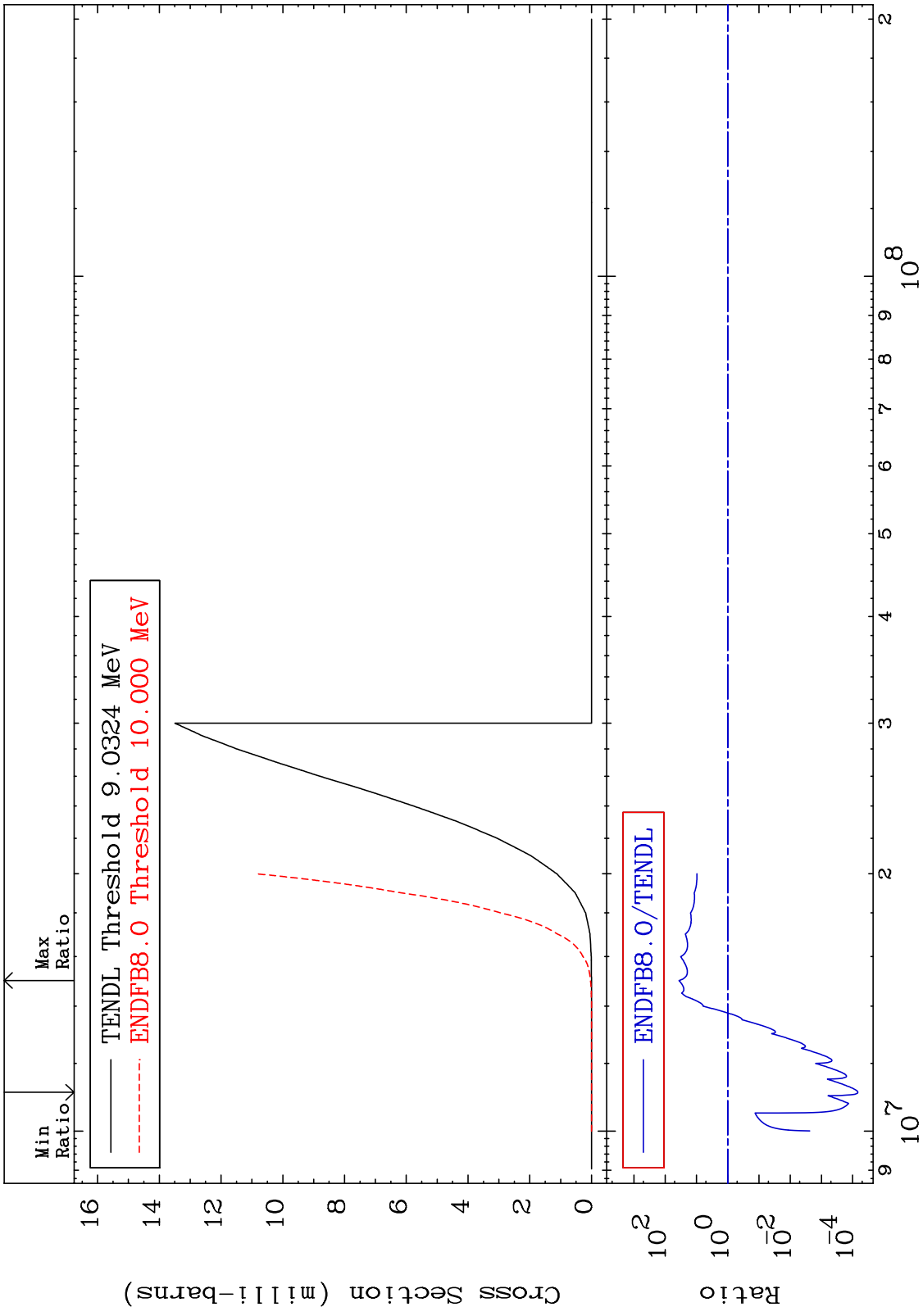
63-Eu-152

MAT 6328 (n, n') p $^{63}\text{Eu}-152$
 Cross Section -100.0 To -33.10%



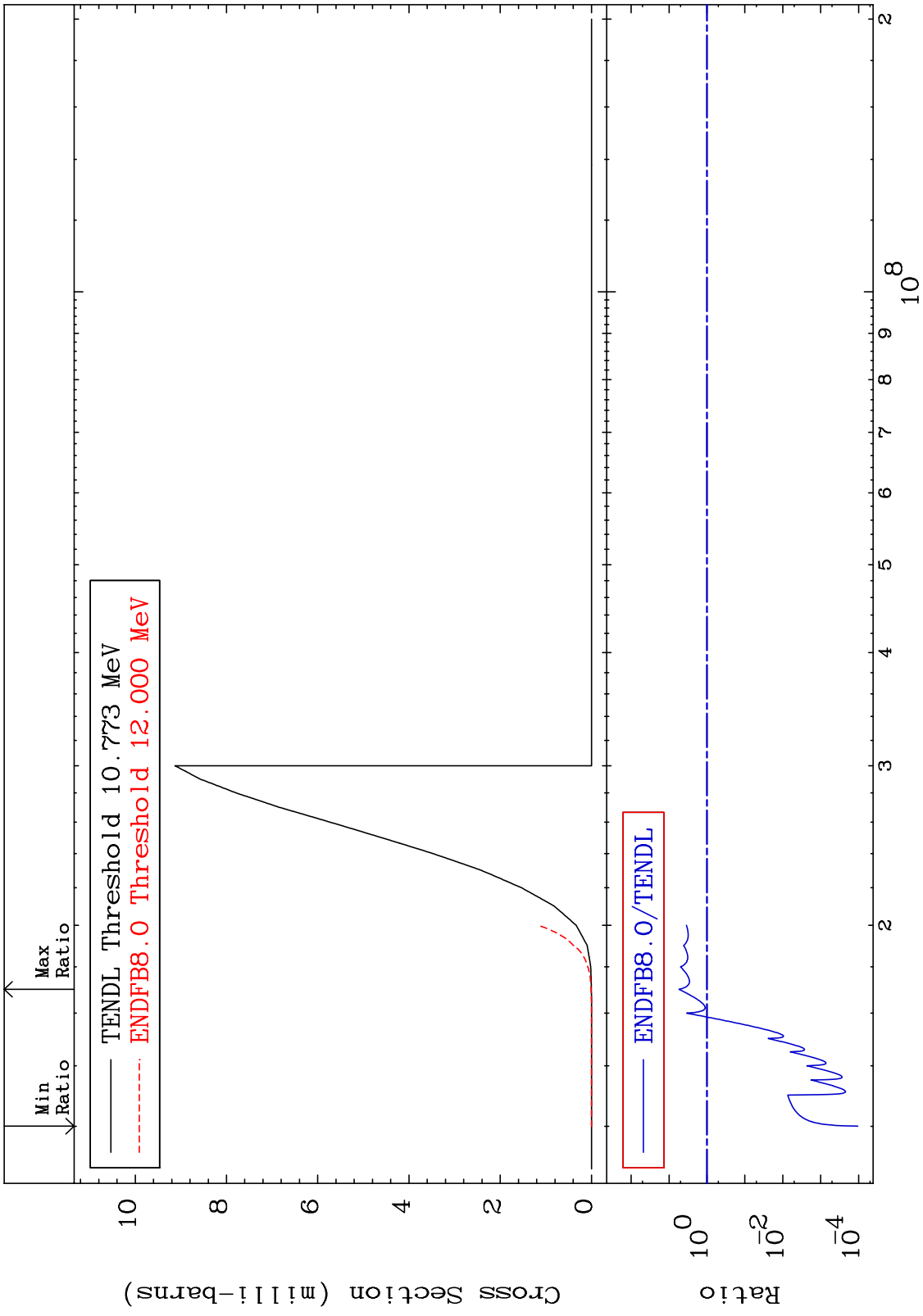
7 63-Eu-152

MAT 6328 (n,n') d 63-Eu-152
 Cross Section -99.99 To 3485. %

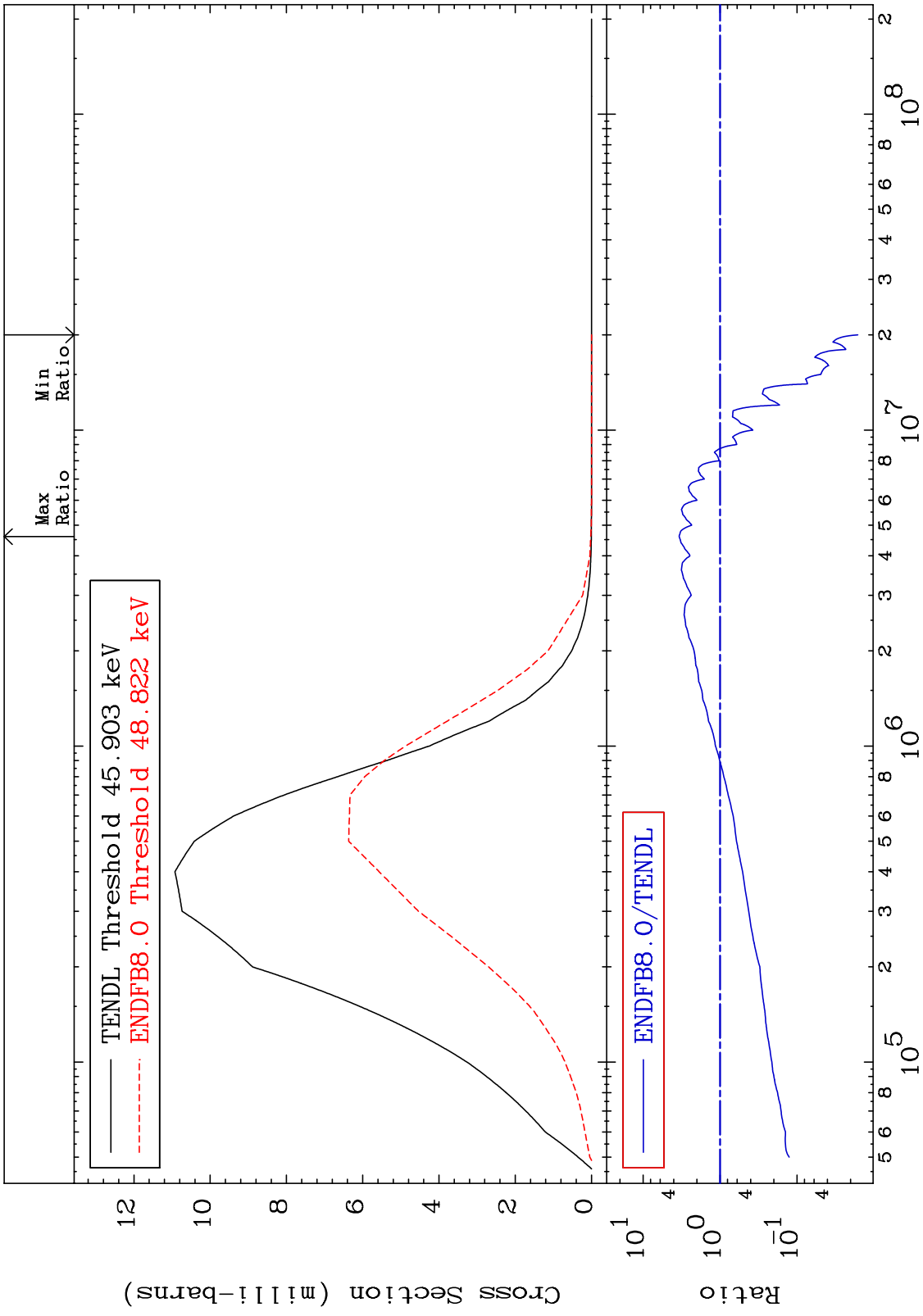


Incident Energy (eV) 63-Eu-152

MAT 6328 (n,n') t 63-Eu-152
 Cross Section -99.99 To 444.5 %

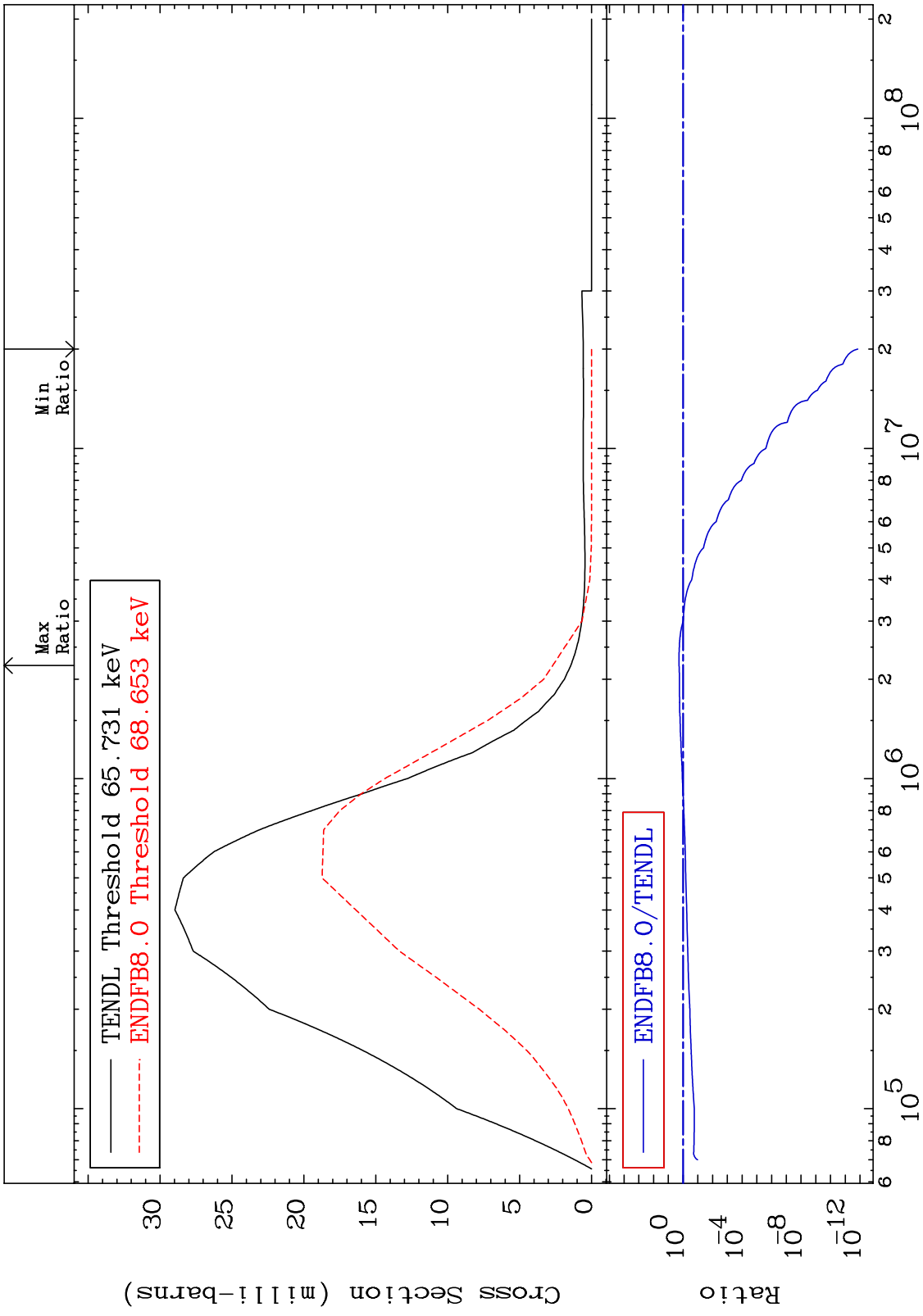


MAT 6328 MT= 51 (n,n') Level Cross Section 63-Eu-152
 -98.39 To 241.6 %



10 Incident Energy (eV) 63-Eu-152

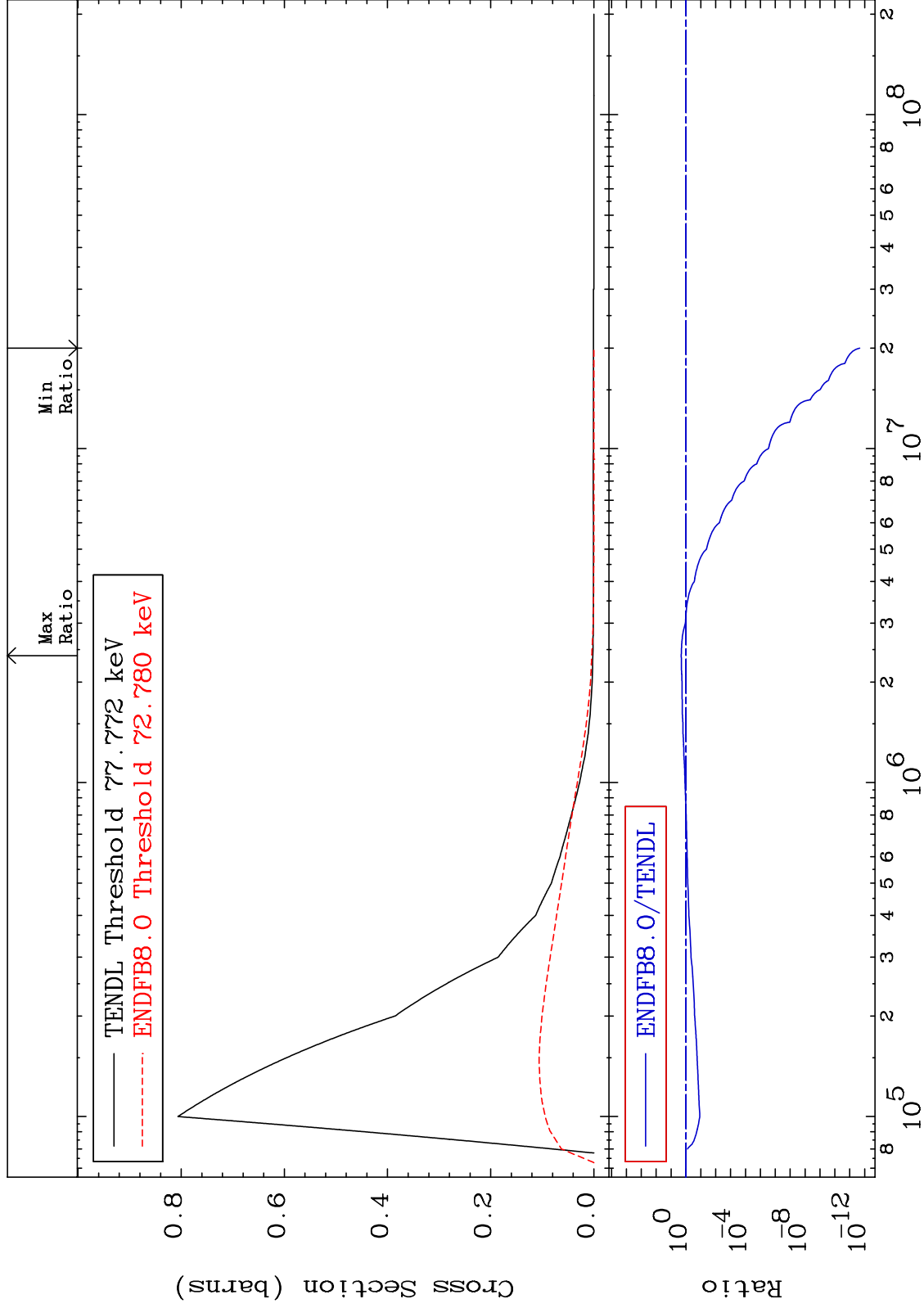
MAT 6328 MT= 52 (n,n') Level Cross Section -100.0 To 88.00 % 63-Eu-152



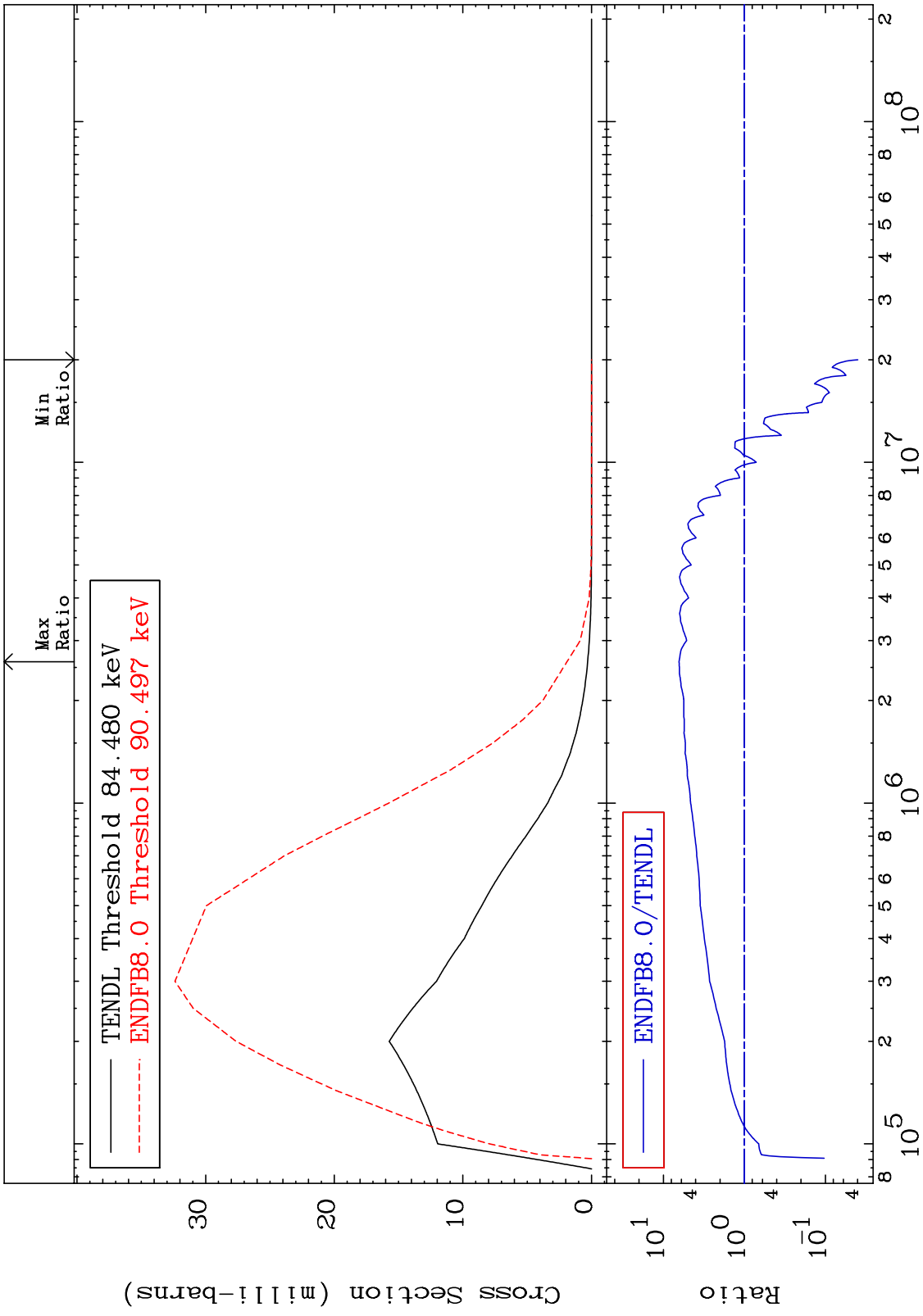
MAT 6328

MT= 53 (n,n') Level
Cross Section

63-Eu-152
-100.0 To 106.2 %

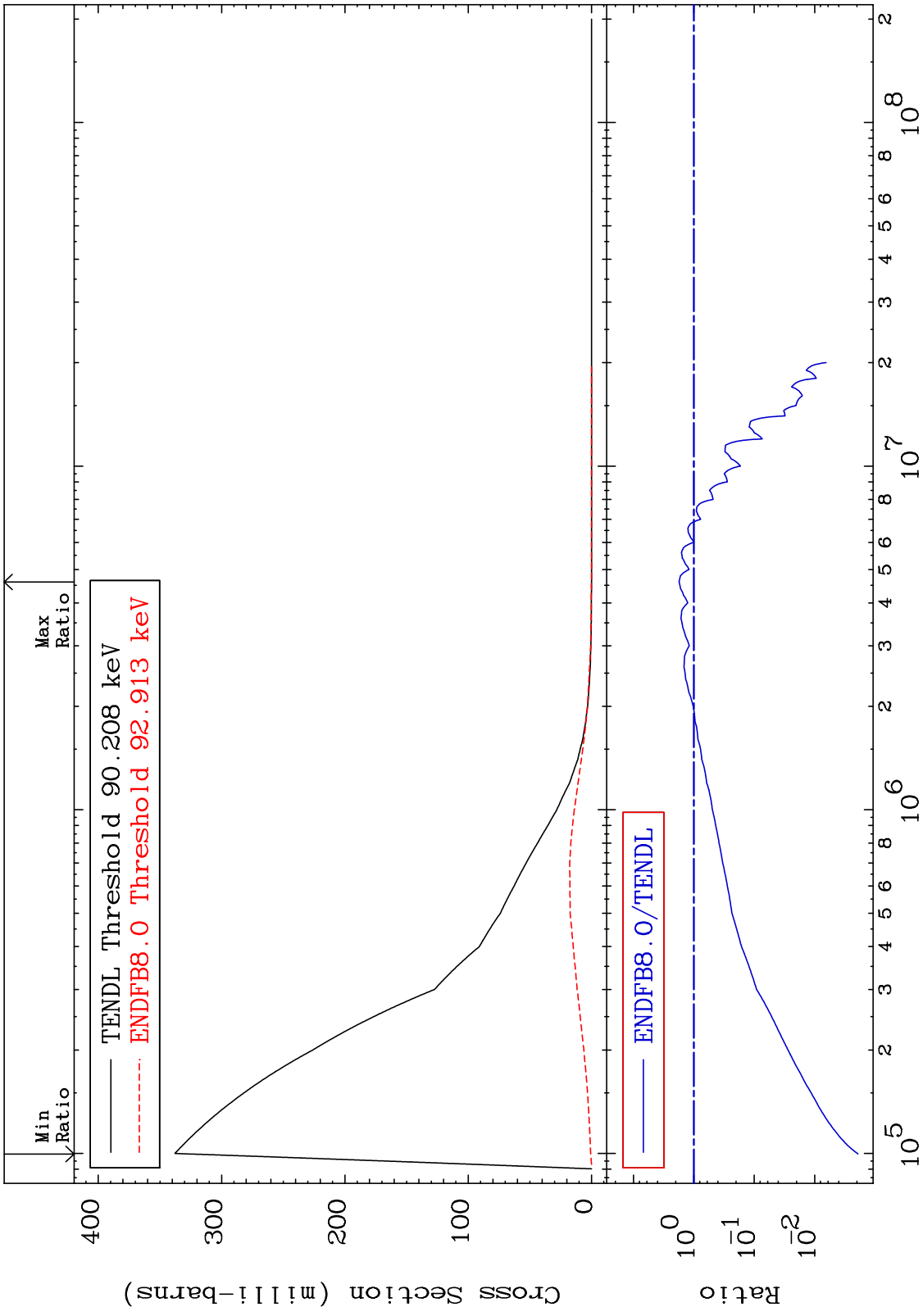


MAT 6328 MT= 54 (n,n') Level Cross Section 63-Eu-152
 -96.02 To 541.5 %

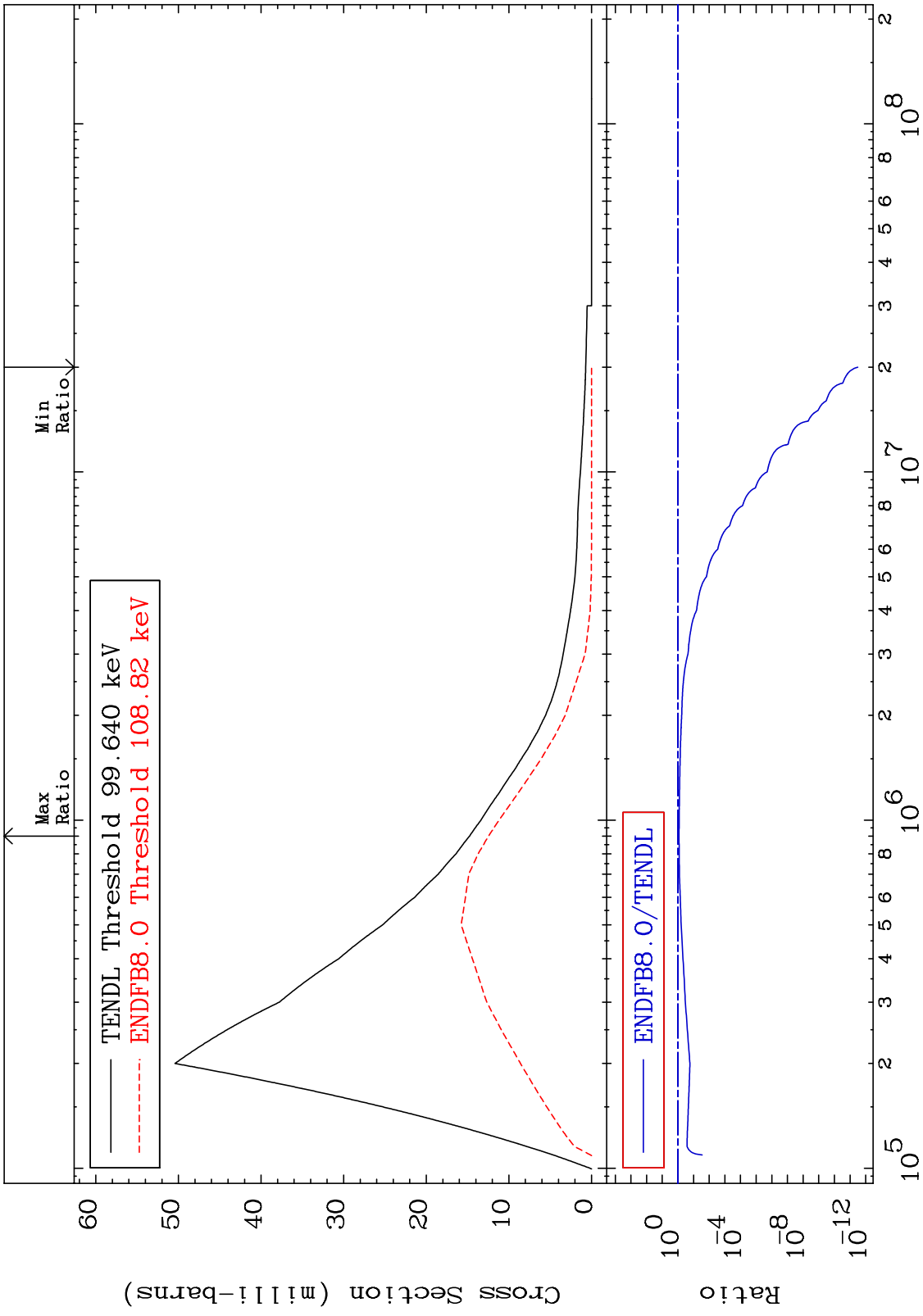


13 Incident Energy (eV) 63-Eu-152

MAT 6328 MT= 55 (n,n') Level Cross Section 63-Eu-152 -99.81 To 75.99 %



MAT 6328 MT= 56 (n,n') Level Cross Section 63-Eu-152 -100.0 To -15.58%

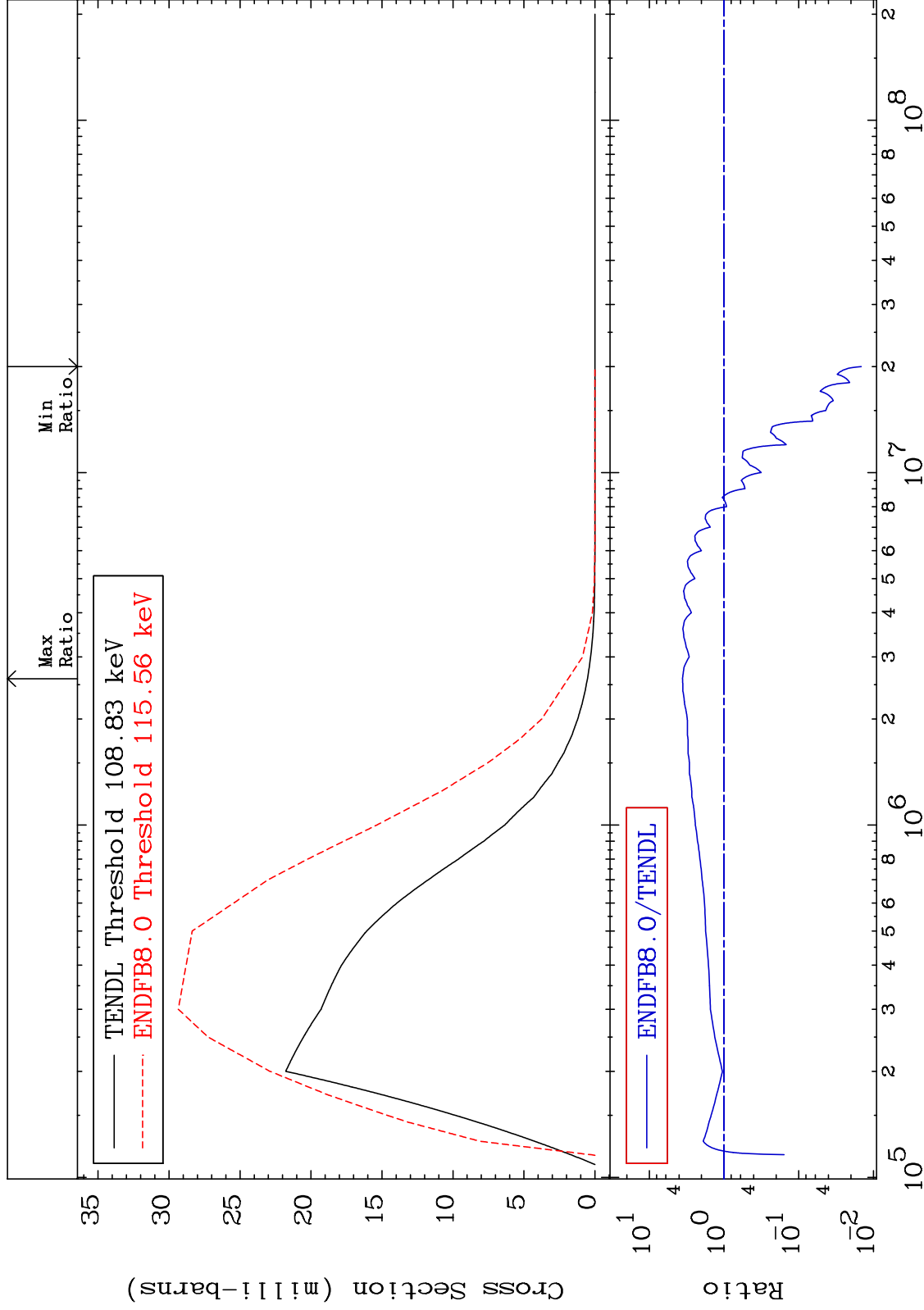


15 Incident Energy (eV) 63-Eu-152

MAT 6328

MT= 57 (n,n') Level
Cross Section

63-Eu-152
-98.55 To 259.9 %

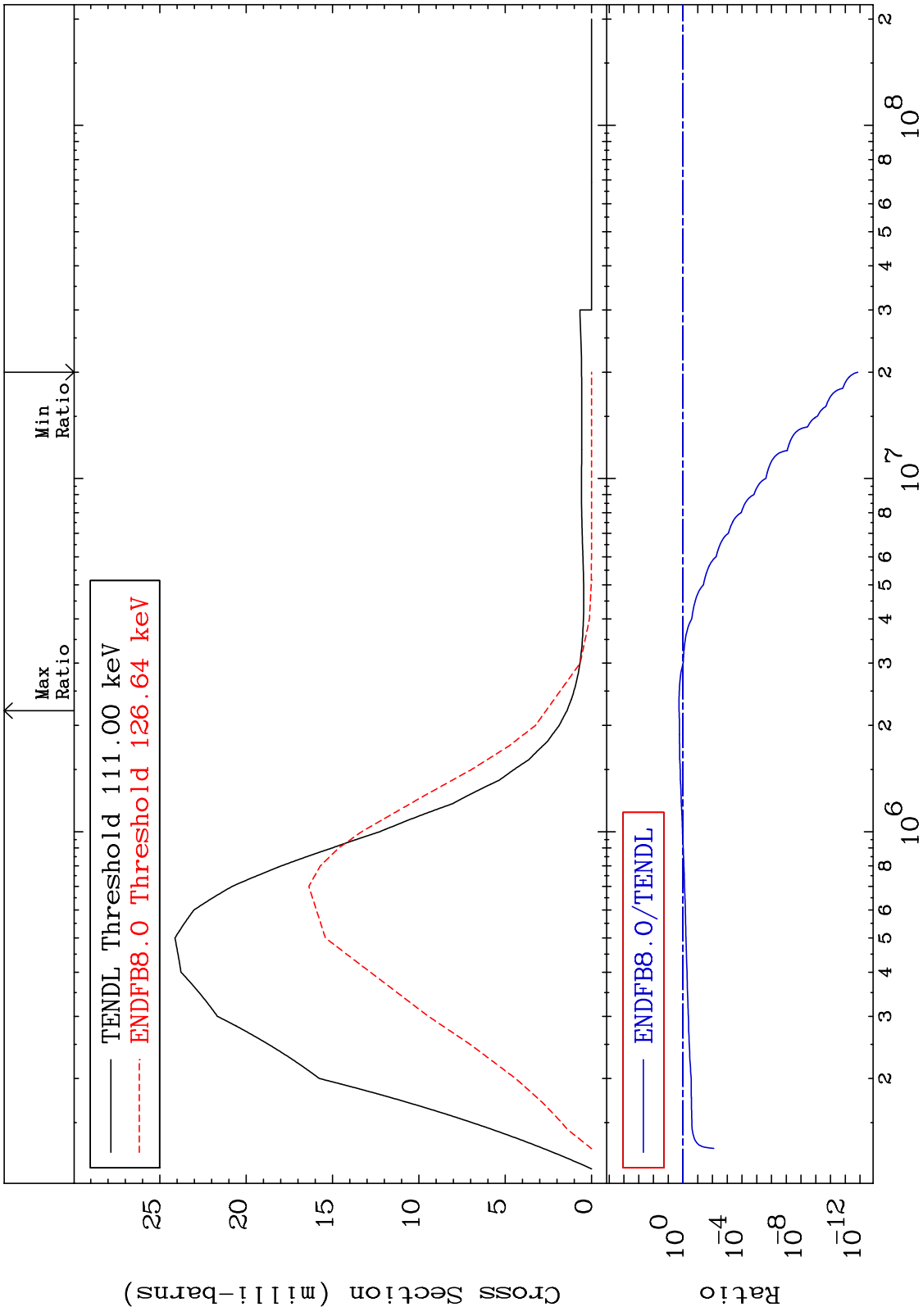


16

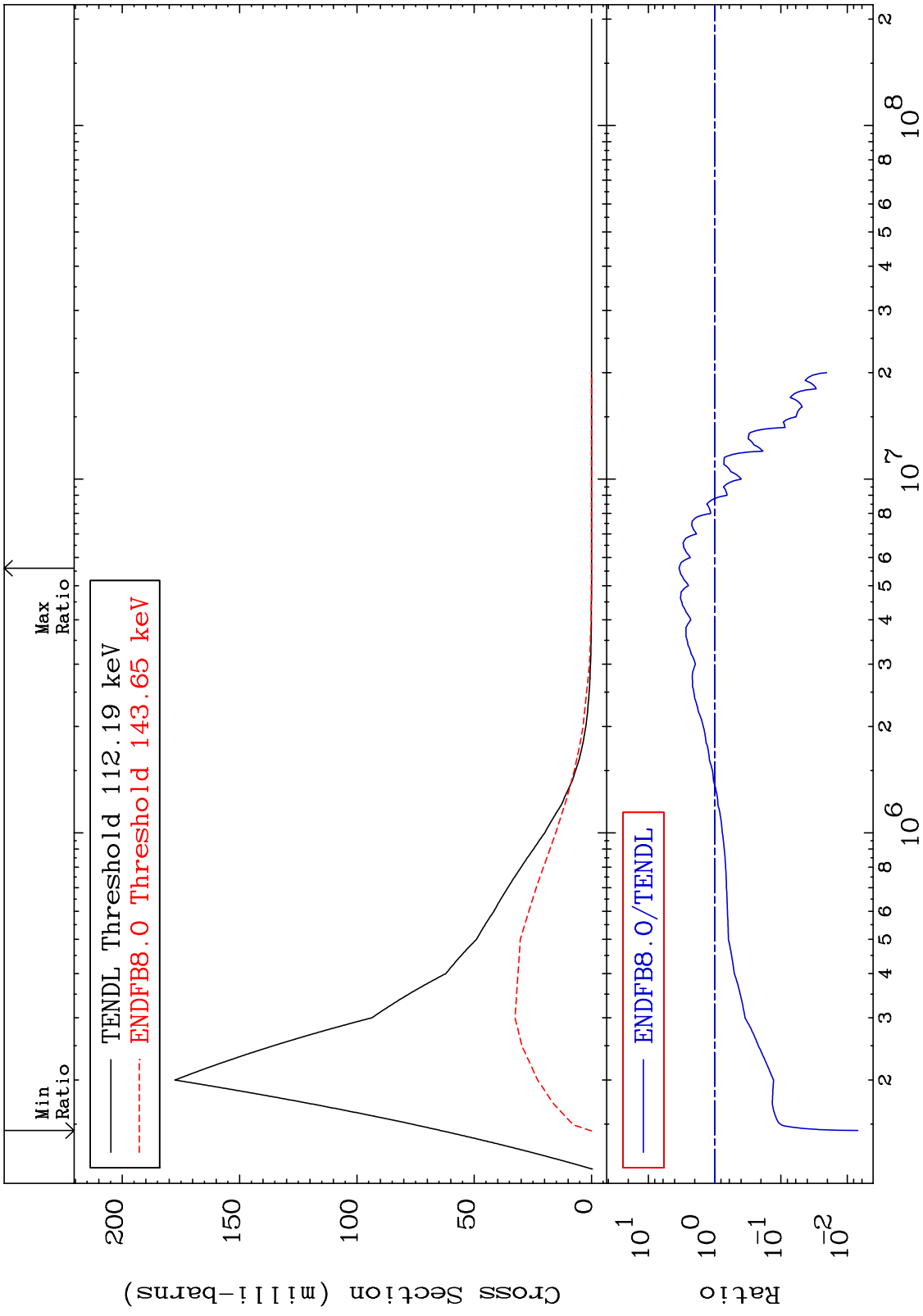
Incident Energy (eV)

63-Eu-152

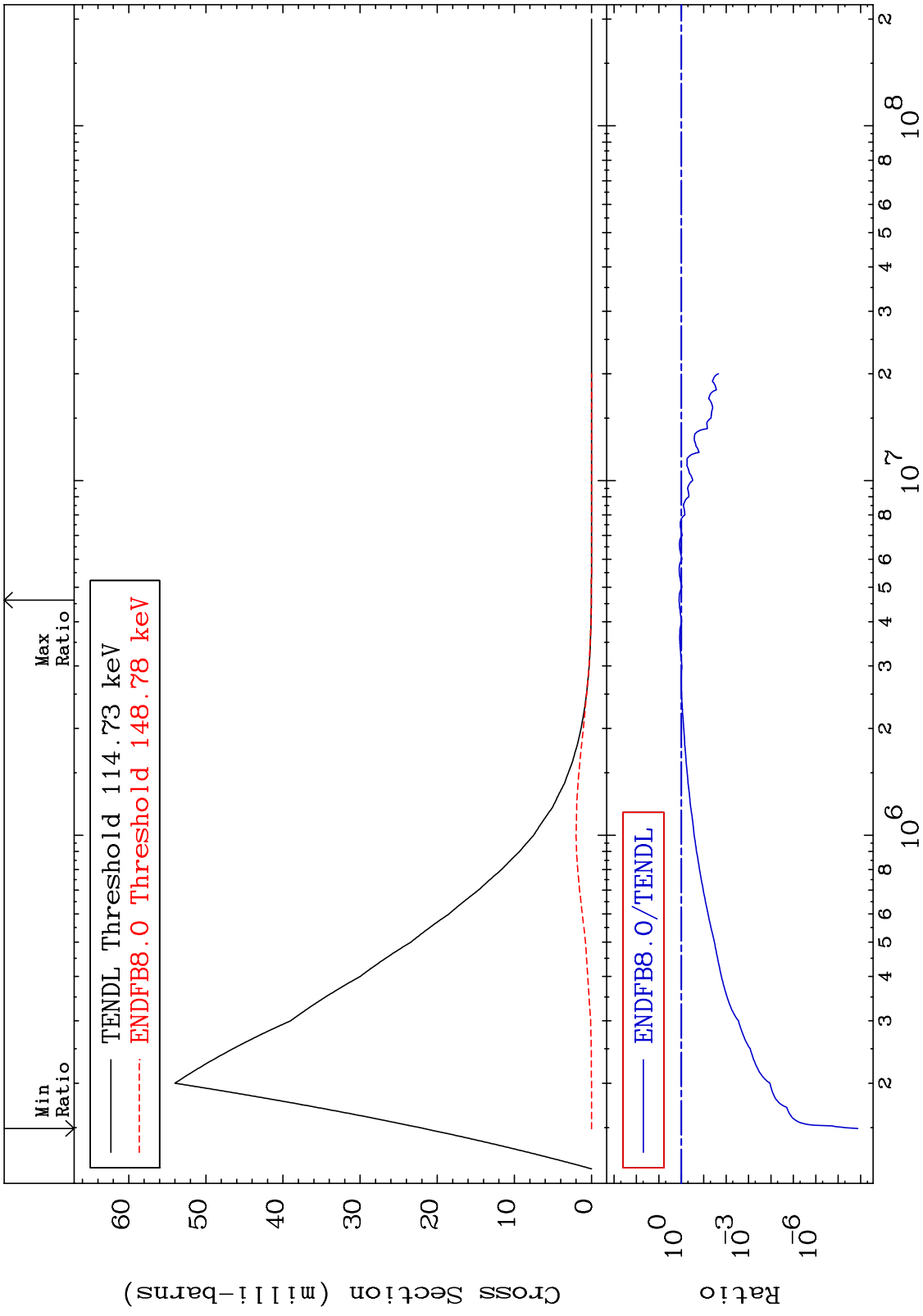
MAT 6328 MT= 58 (n,n') Level Cross Section 63-Eu-152 -100.0 To 85.38 %



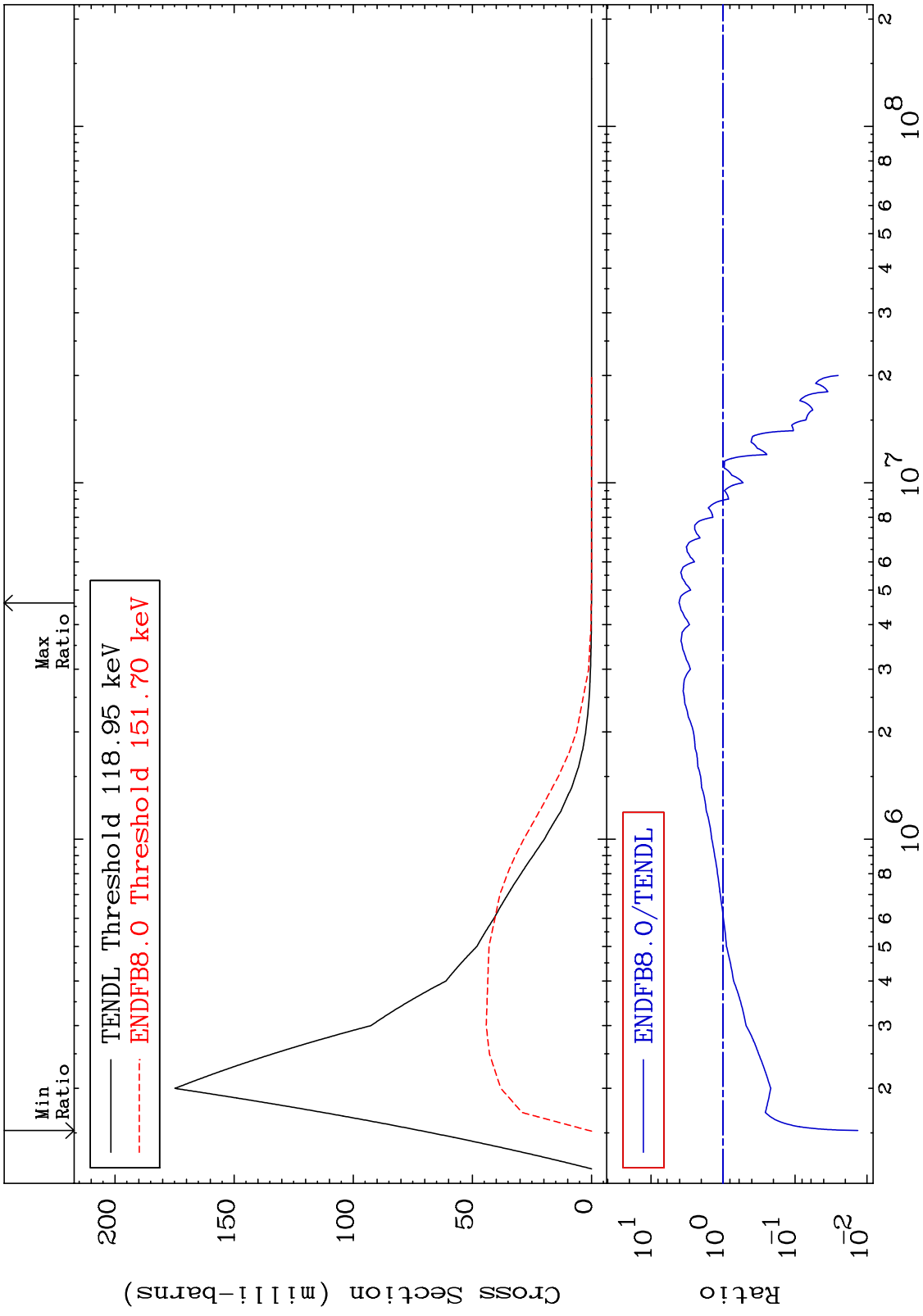
MAT 6328 MT= 59 (n,n') Level Cross Section 63-Eu-152
 -99.31 To 243.6 %



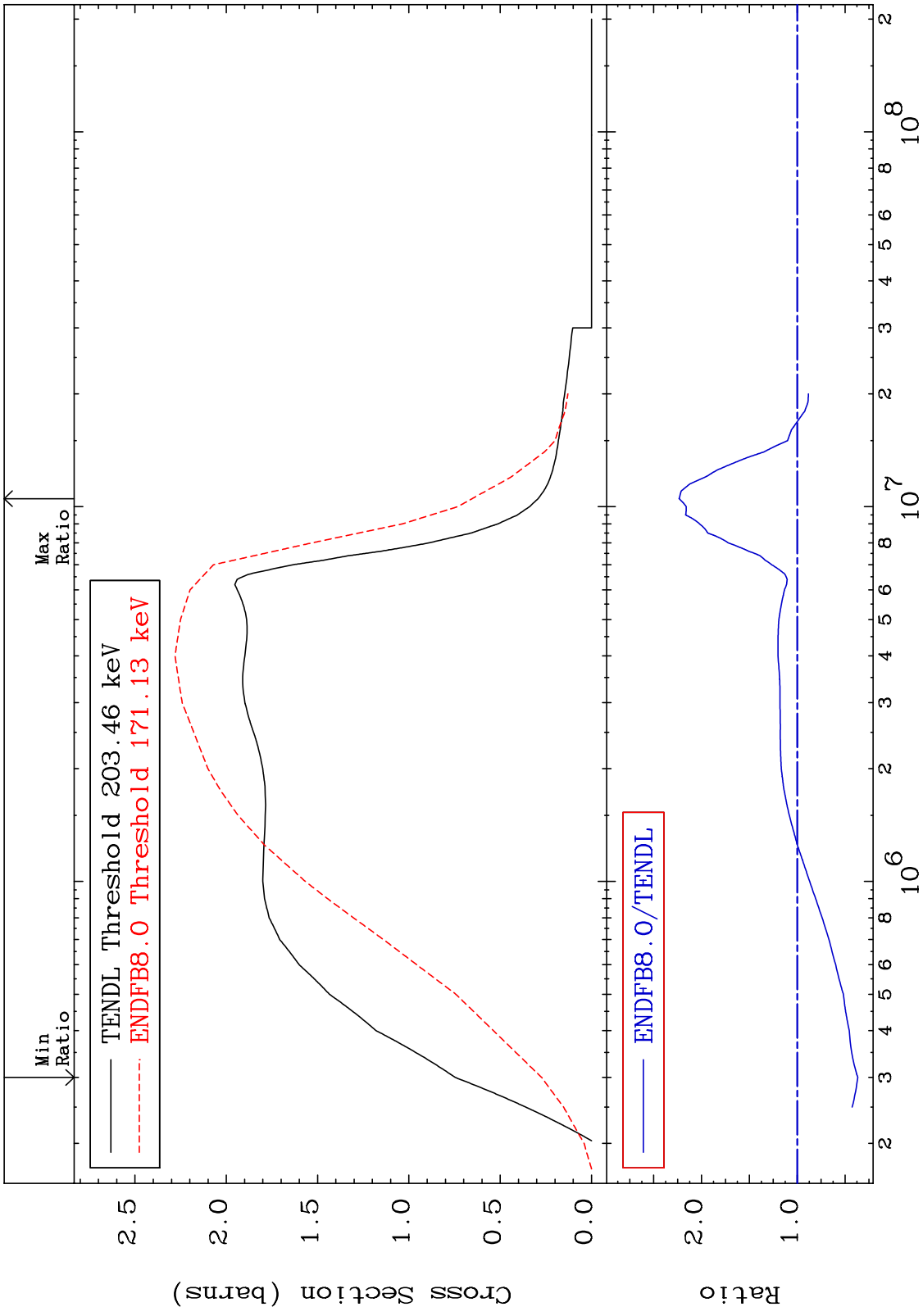
MAT 6328 MT= 60 (n,n') Level Cross Section 63-Eu-152
 -100.0 To 25.74 %



MAT 6328 MT= 61 (n,n') Level Cross Section 63-Eu-152
 -98.66 To 307.7 %



MAT 6328 63-Eu-152
-63.38 To 123.5 %
(n,n') Continuum
Cross Section



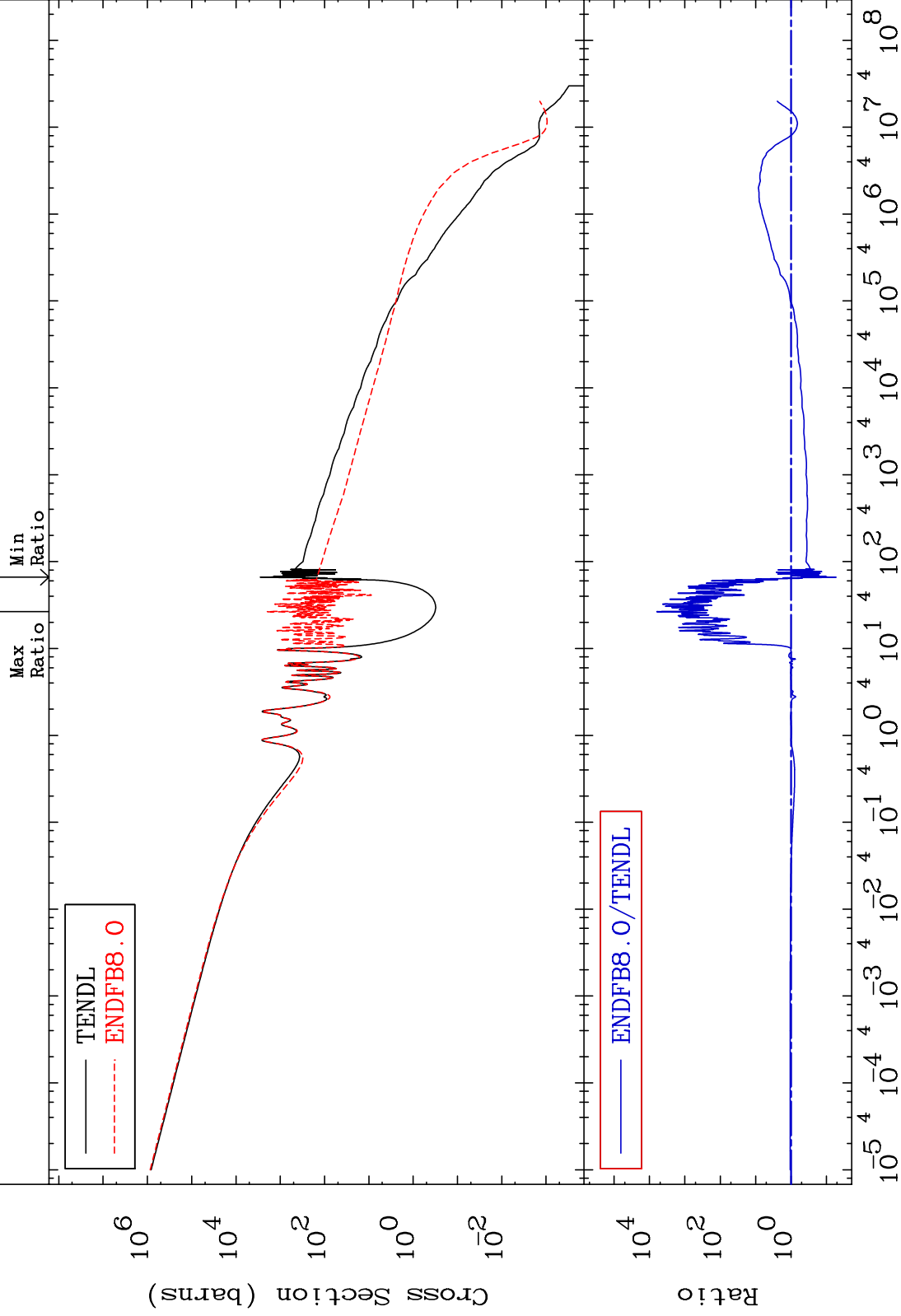
MAT 6328

(n, γ)

63-Eu-152

-94.78 To 9999. %

Cross Section



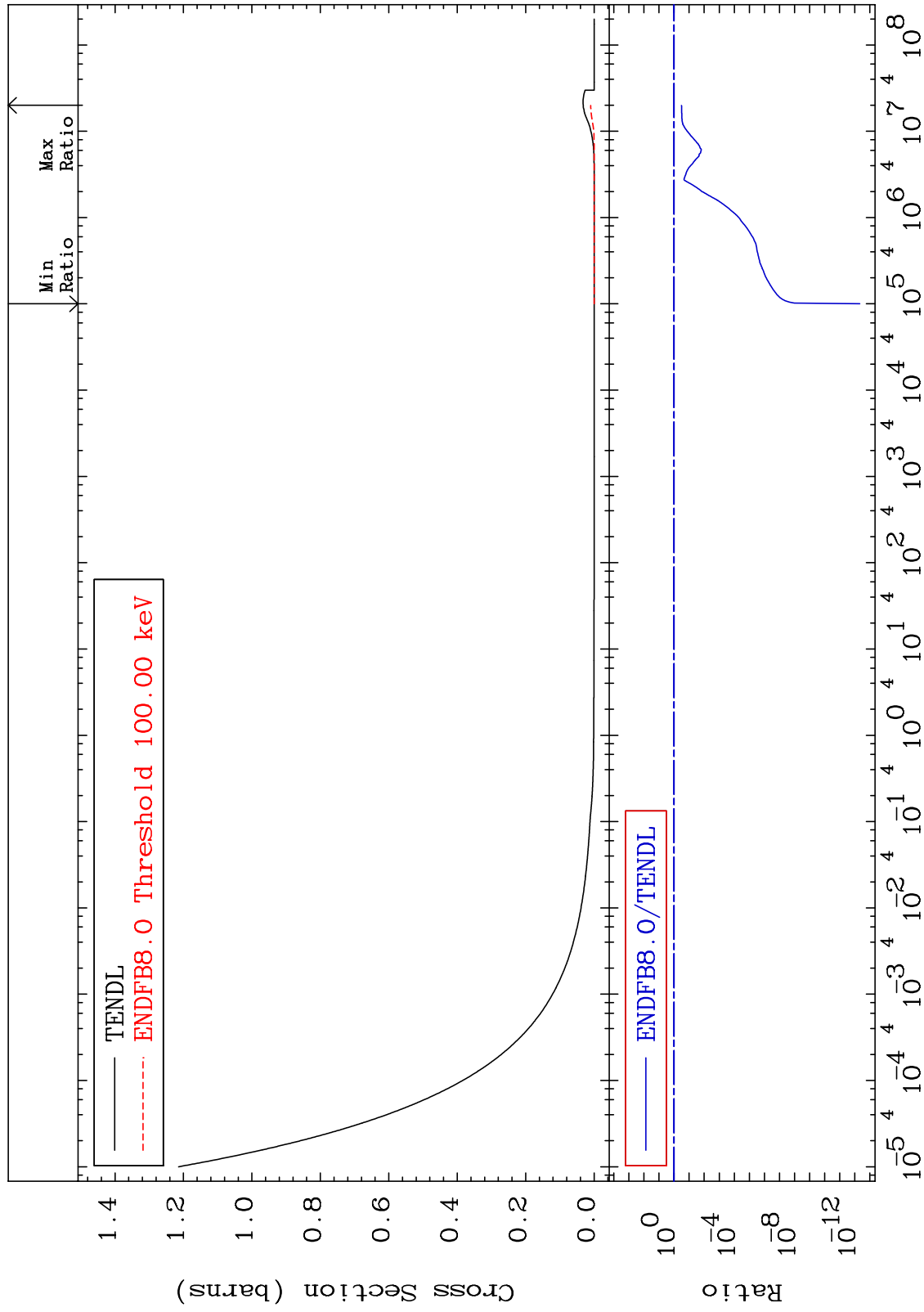
MAT 6328

(n,p)

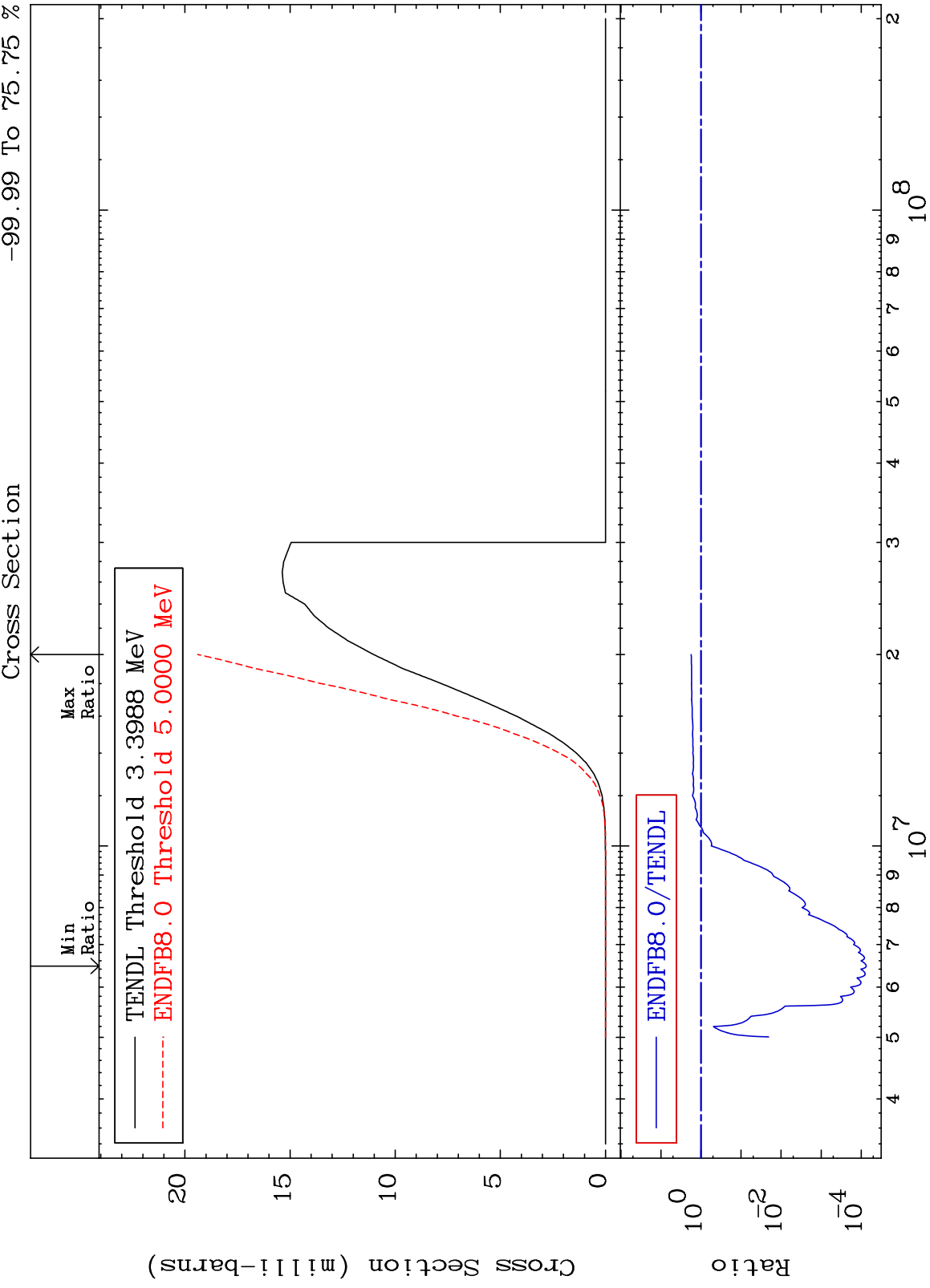
63-Eu-152

Cross Section

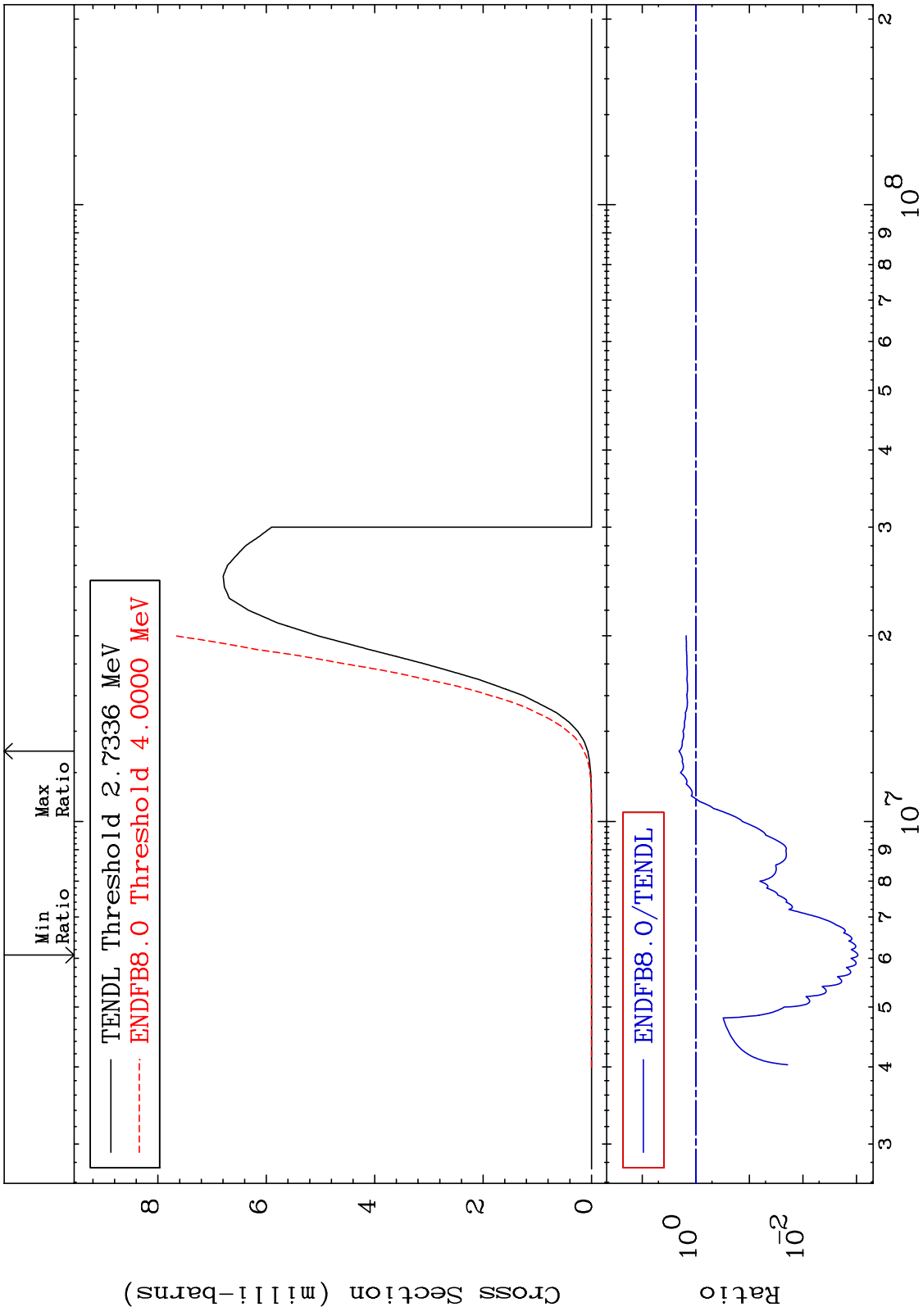
-100.0 To -67.86%



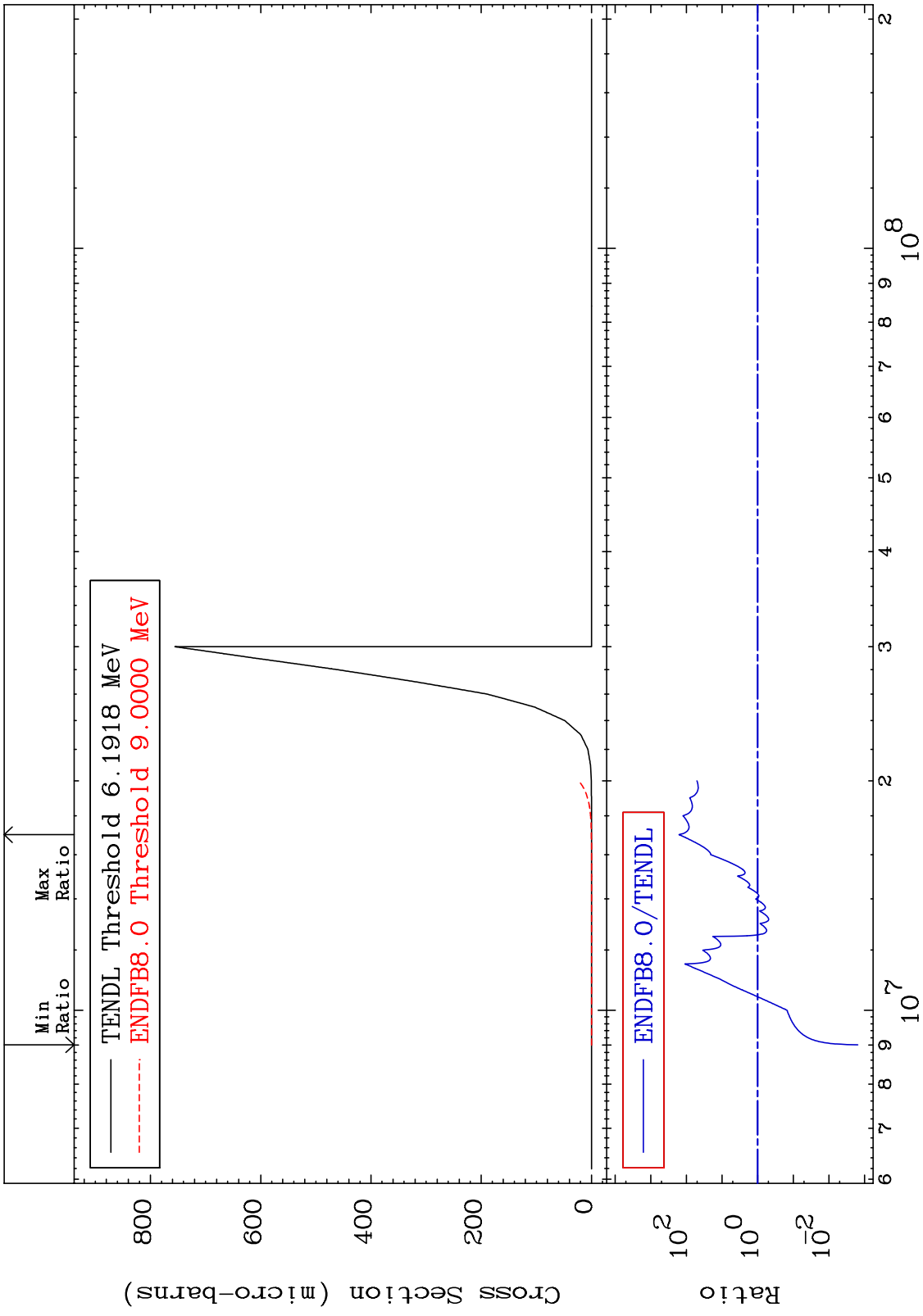
MAT 6328 (n,d) 63-Eu-152 -99.99 To 75.75 %



MAT 6328 (n,t) 63-Eu-152
 Cross Section -99.91 To 106.0 %



25 63-Eu-152 Incident Energy (eV)



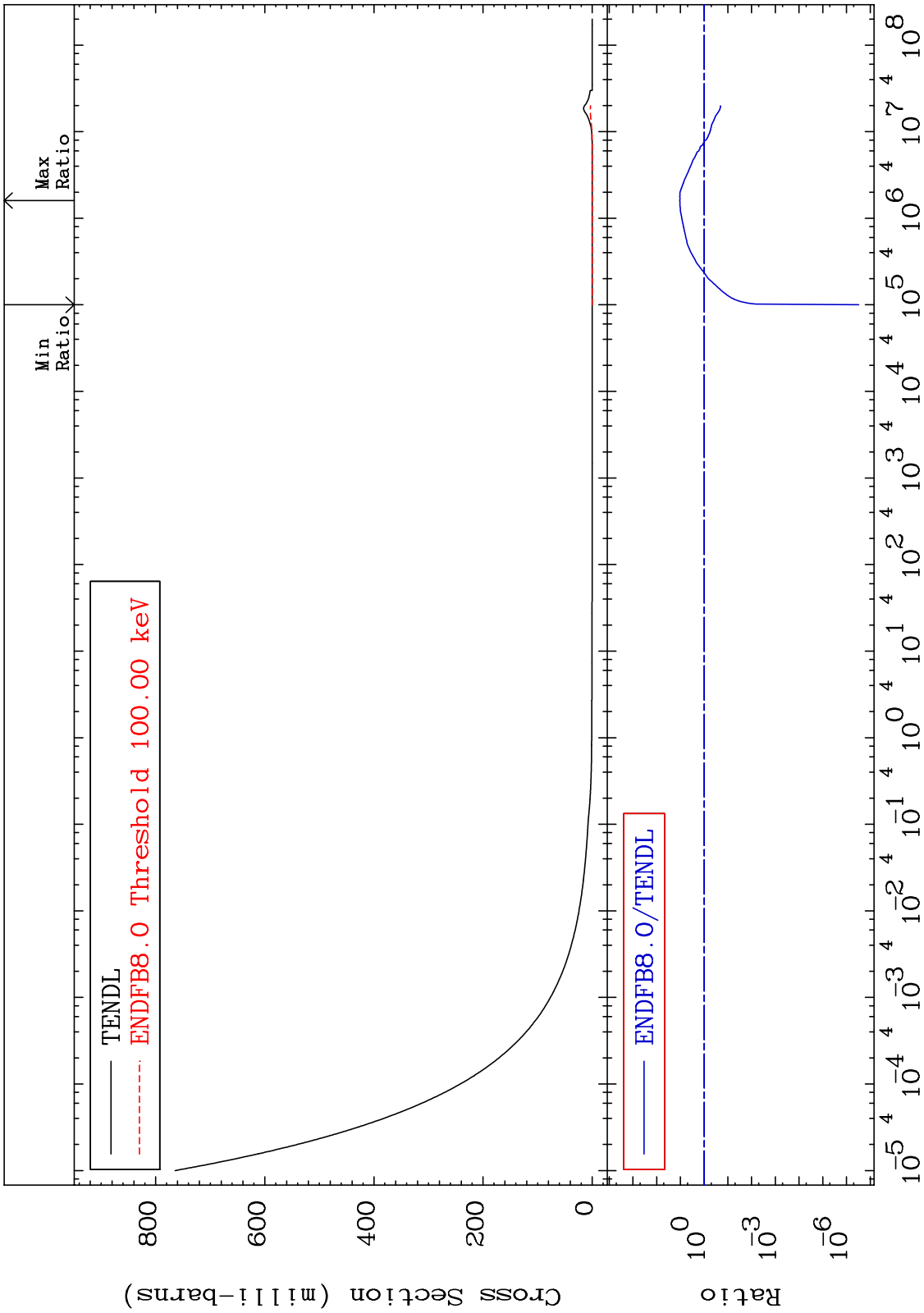
MAT 6328

(n, α)

63-Eu-152

Cross Section

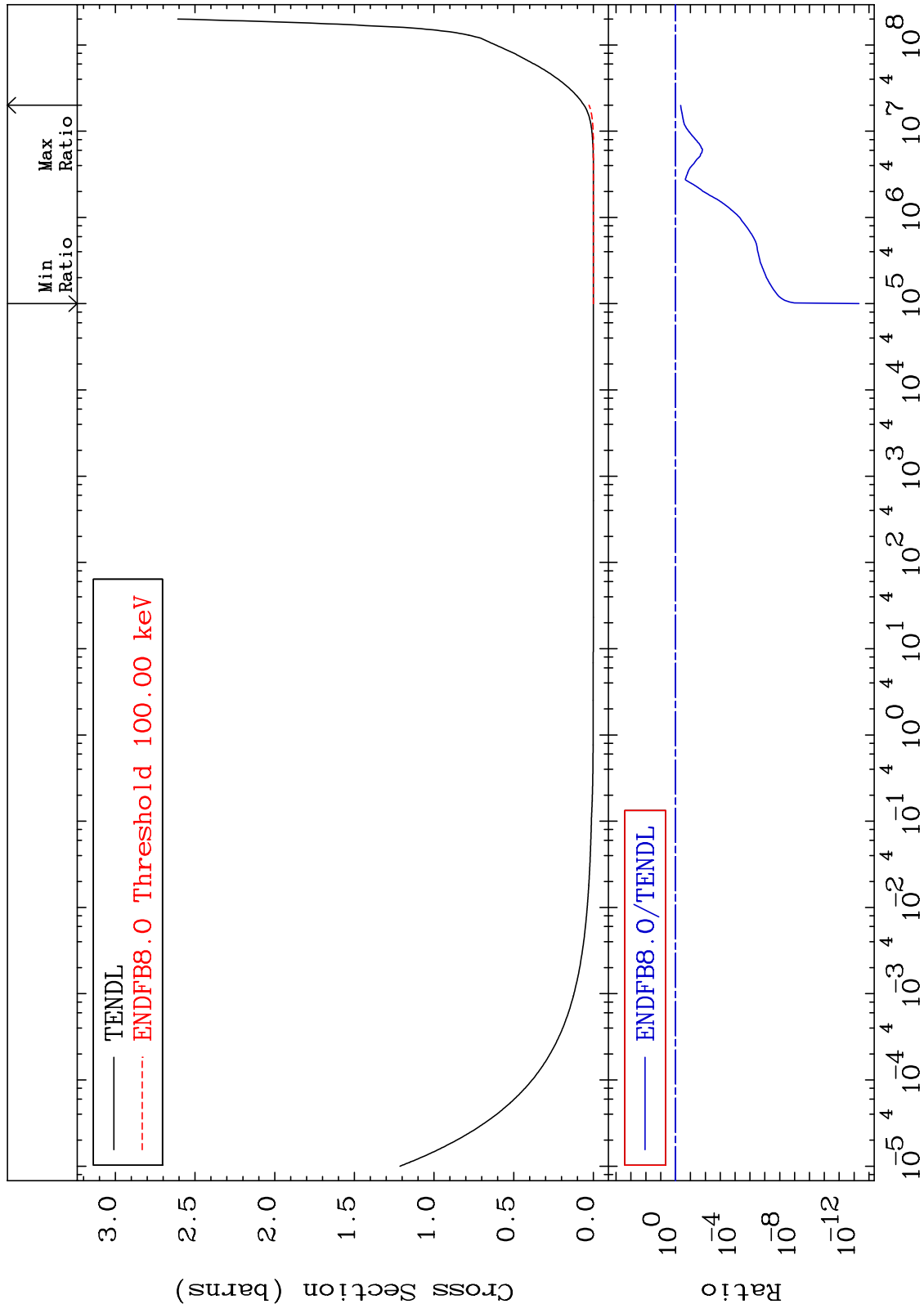
-100.0 To 961.4 %



MAT 6328

Hydrogen Production Cross Section

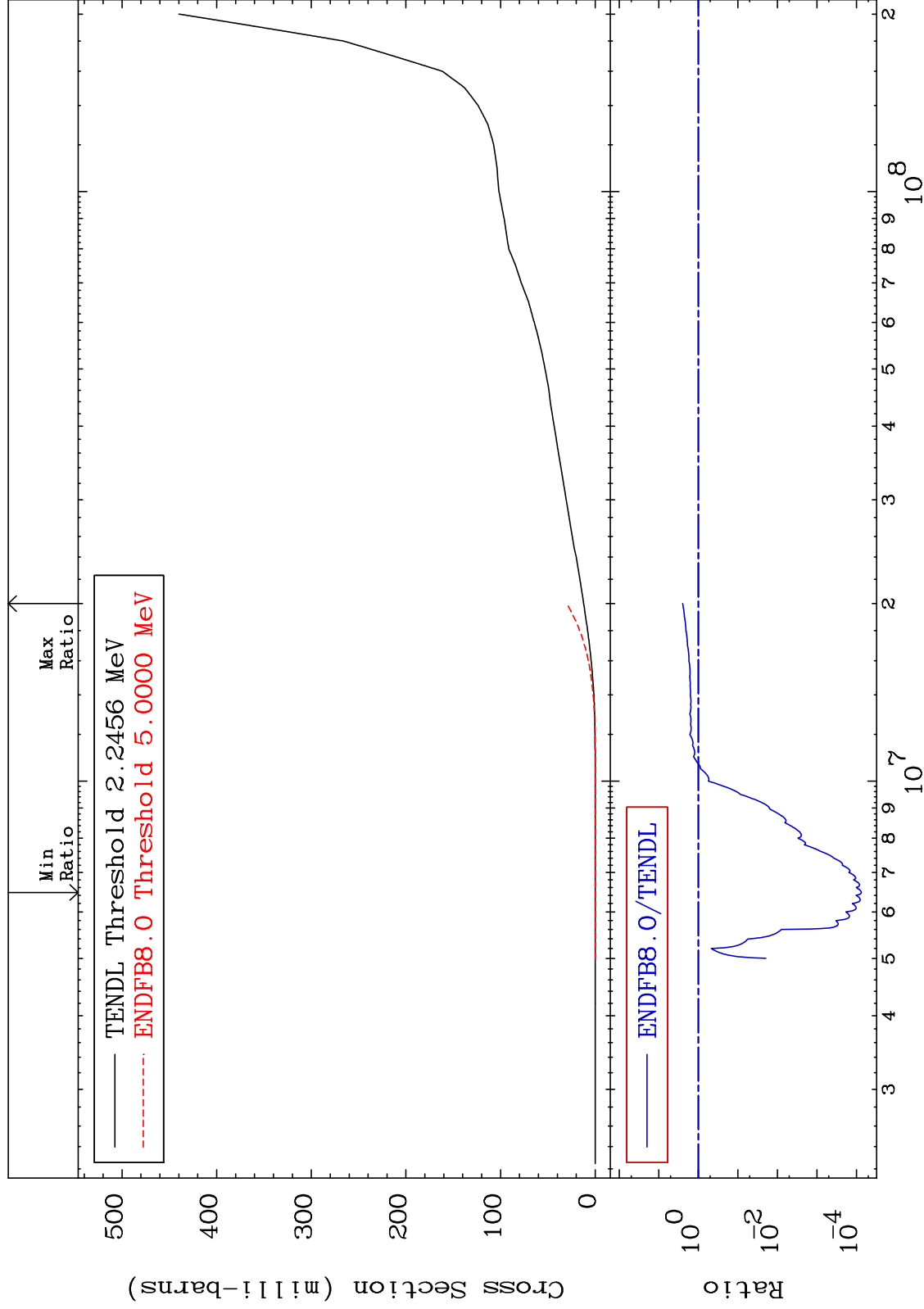
63-Eu-152
-100.0 To -54.34%



MAT 6328

Deuterium Production
Cross Section

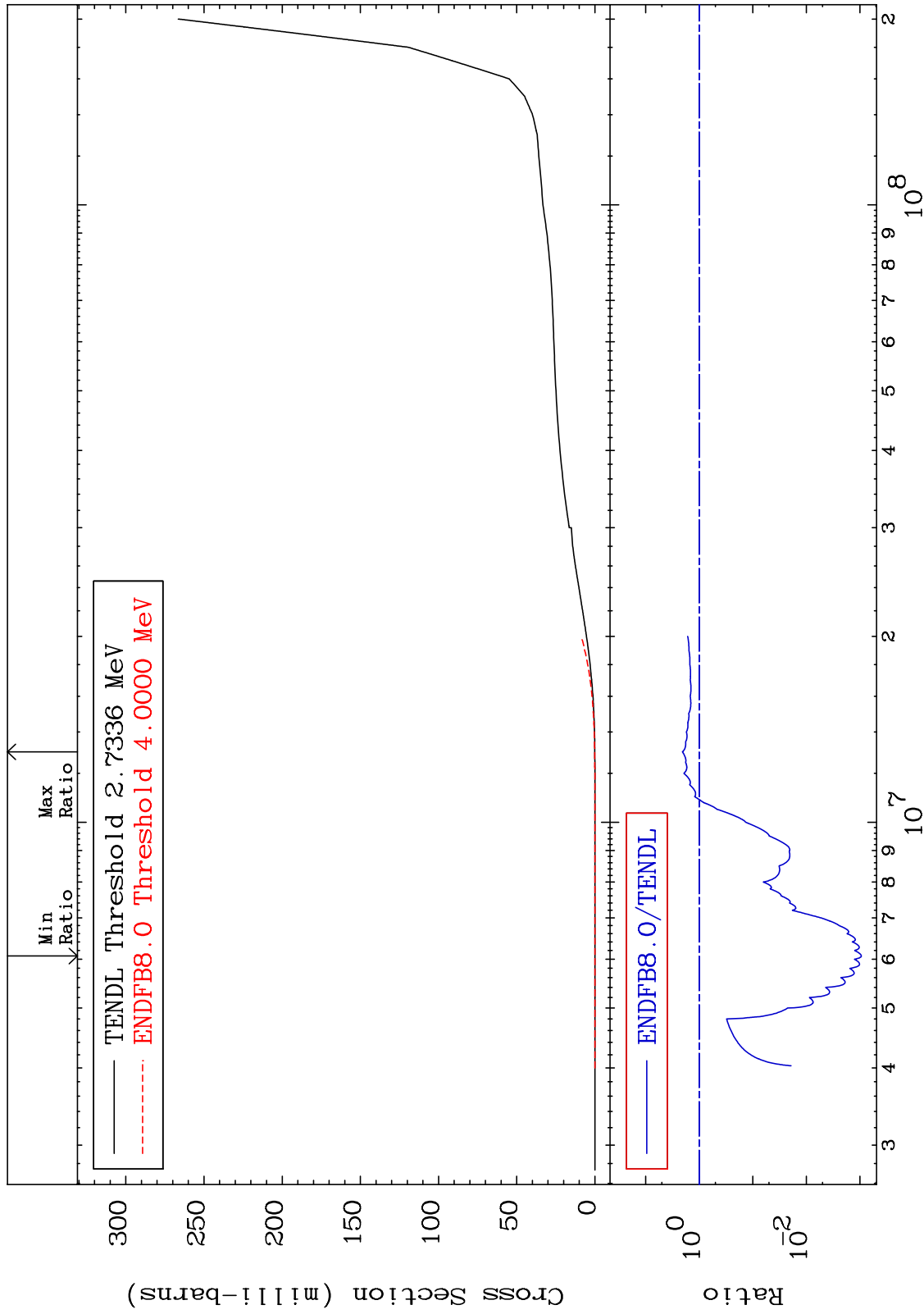
63-Eu-152
-99.99 To 148.9 %



MAT 6328

Tritium Production
Cross Section

63-Eu-152
-99.91 To 106.0 %



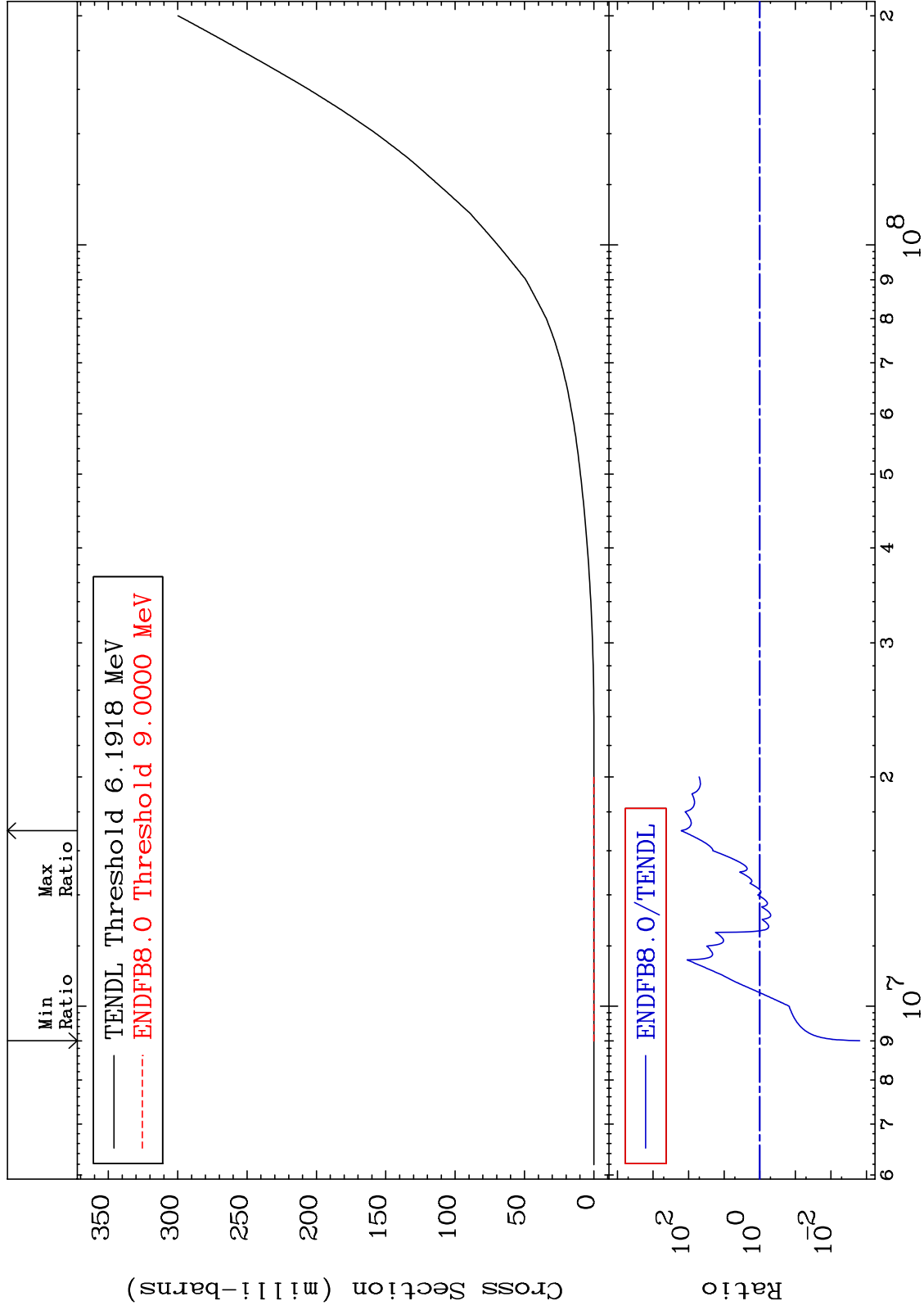
30

63-Eu-152

MAT 6328

He-3 Production
Cross Section

63-Eu-152
-99.85 To 9999. %



31

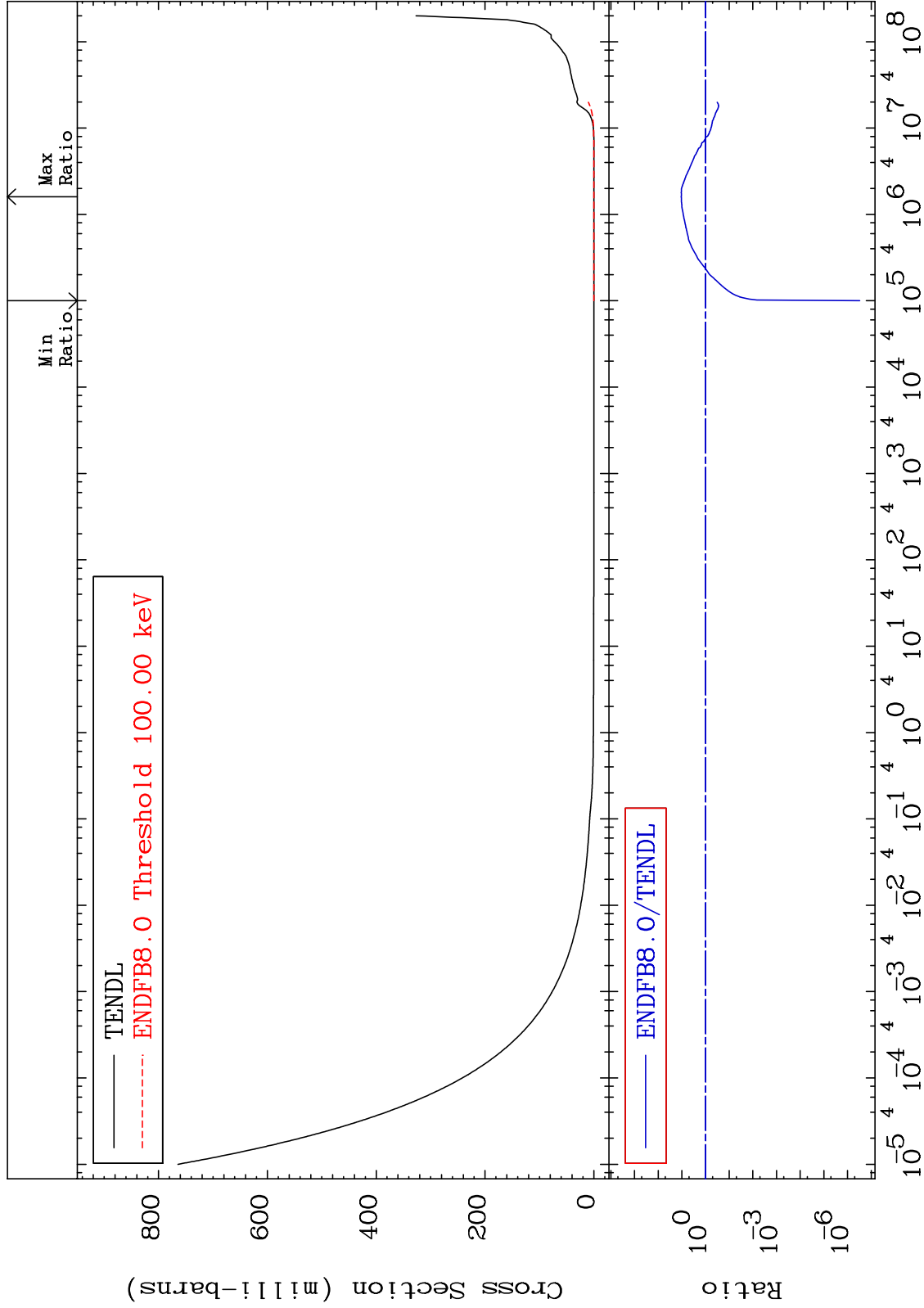
Incident Energy (eV)

63-Eu-152

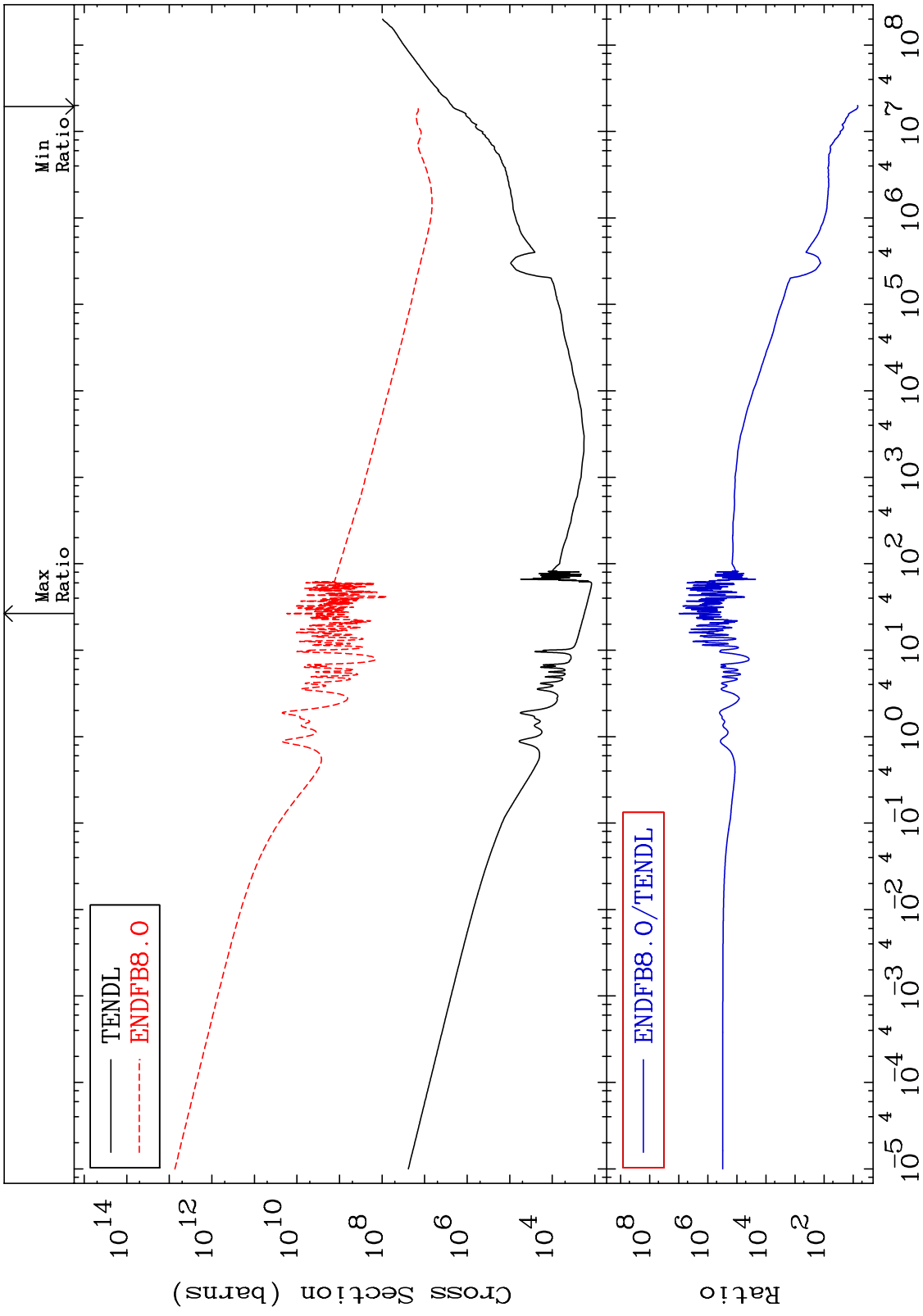
MAT 6328

He-4 Production
Cross Section

63-Eu-152
-100.0 To 961.4 %



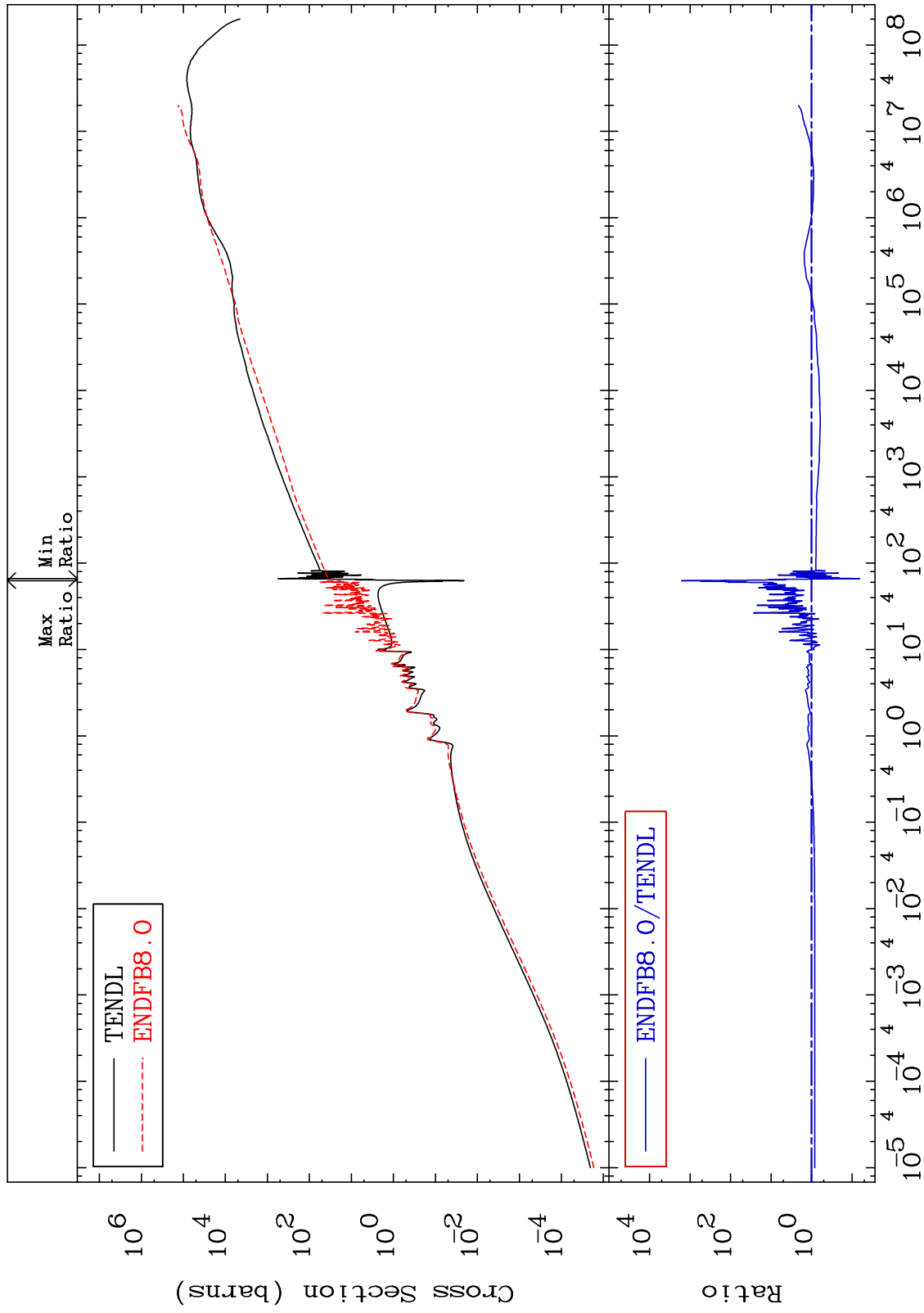
MAT 6328 Kerma total (eV-barns) 63-Eu-152
 Cross Section 592.9 To 9999. %



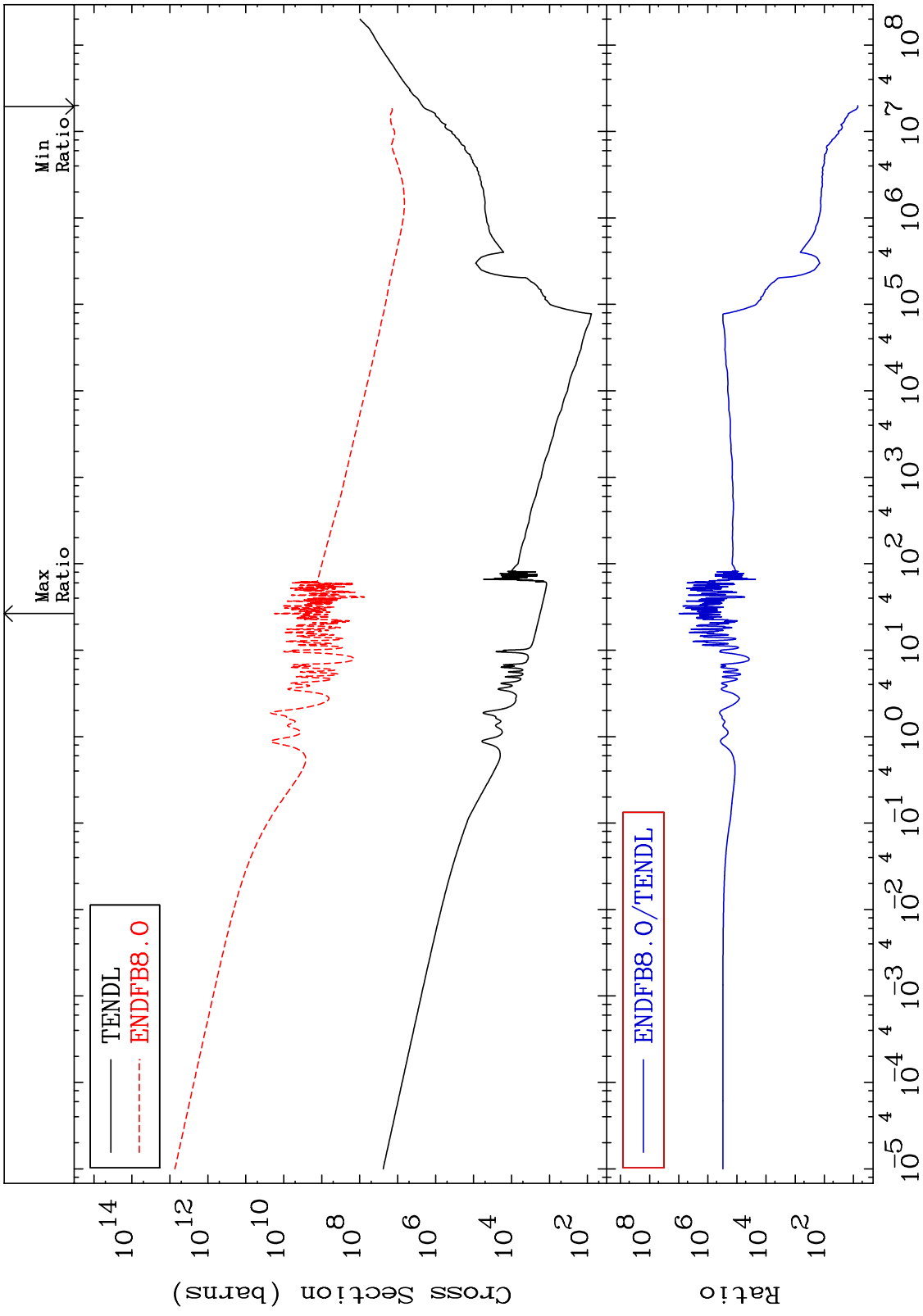
MAT 6328

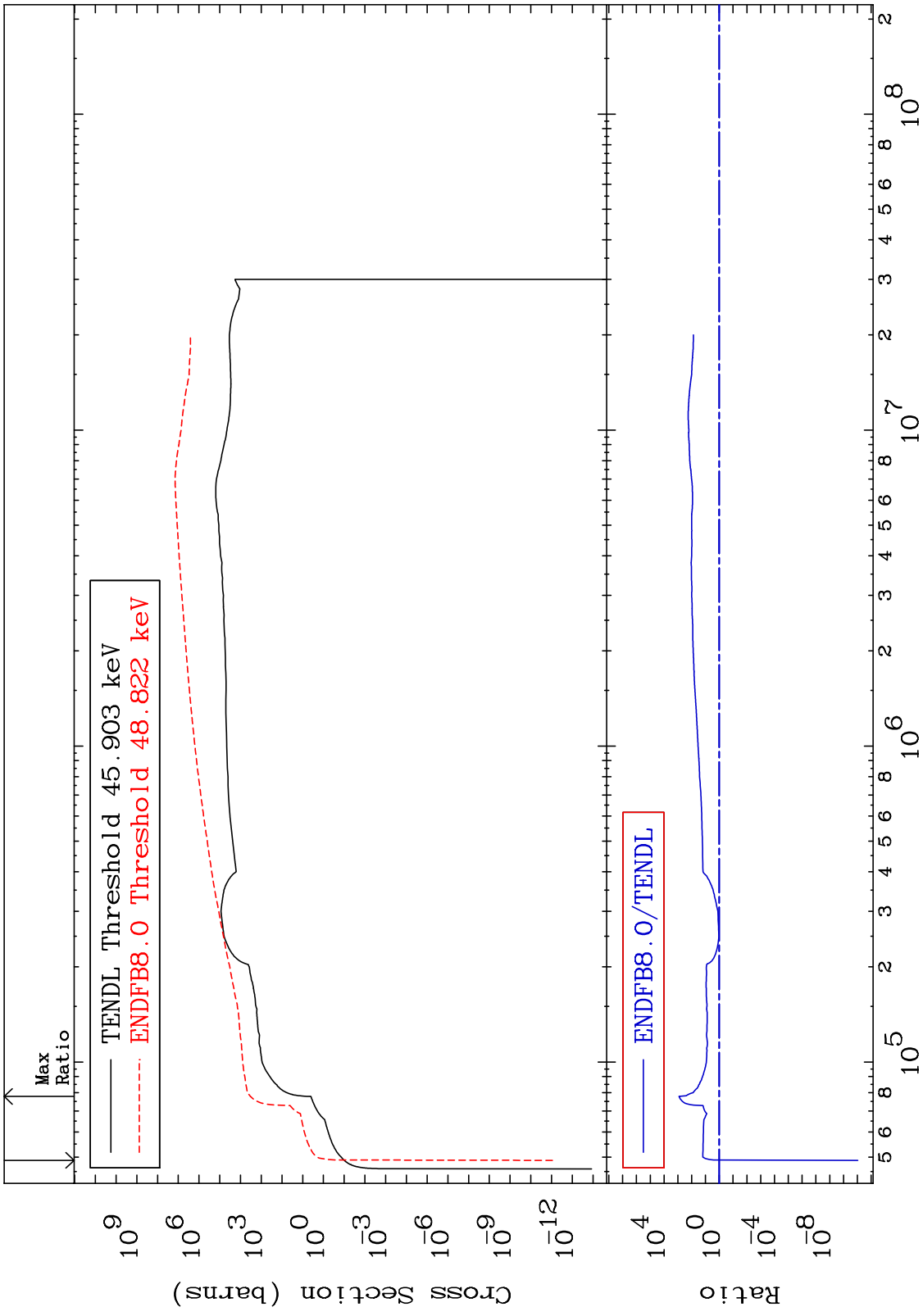
Kerma elastic
Cross Section

63-Eu-152
-93.56 To 9999. %



MAT 6328 Kerma non-elastic (all but mt2) 63-Eu-152
 Cross Section 607.3 To 9999. %

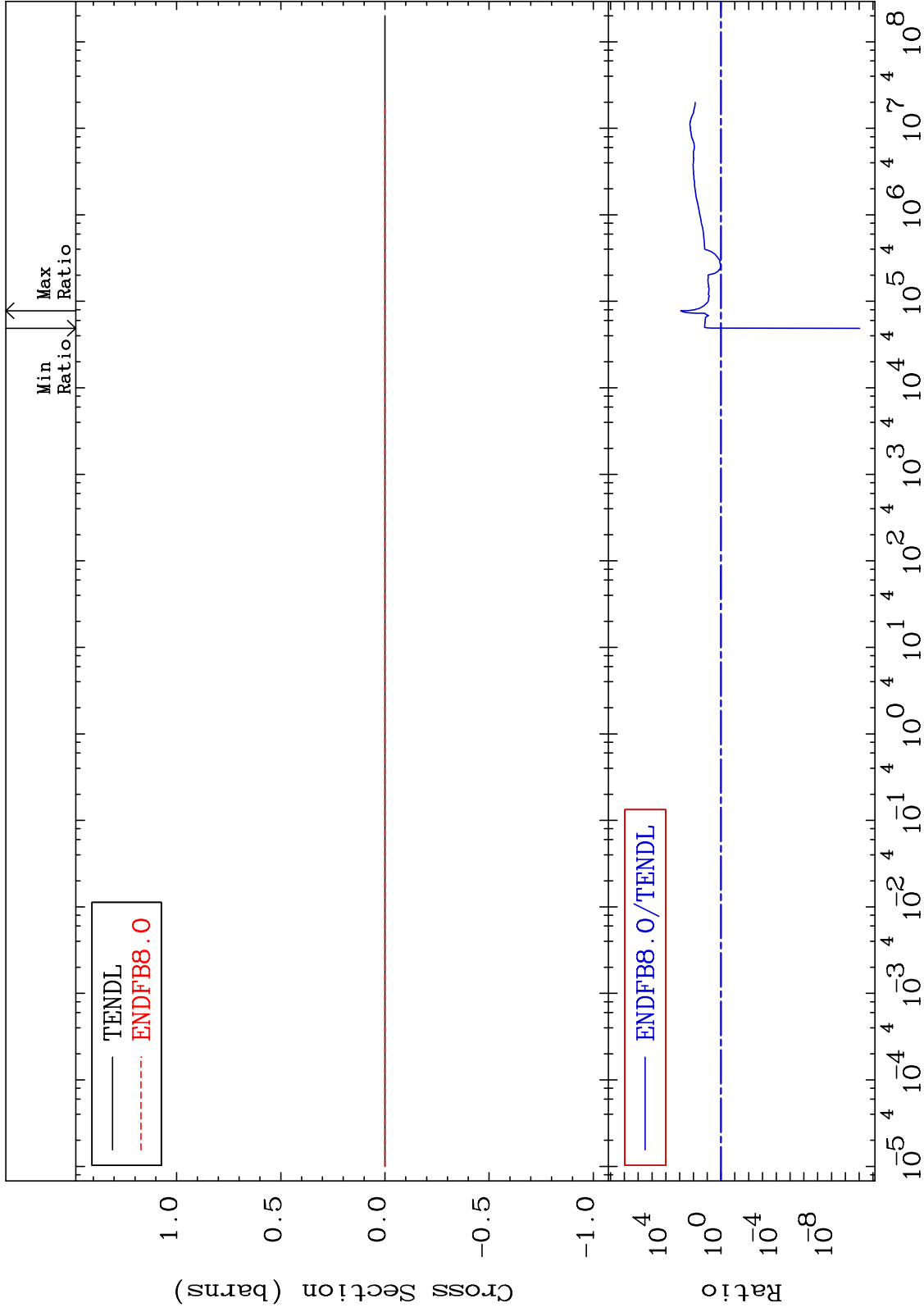


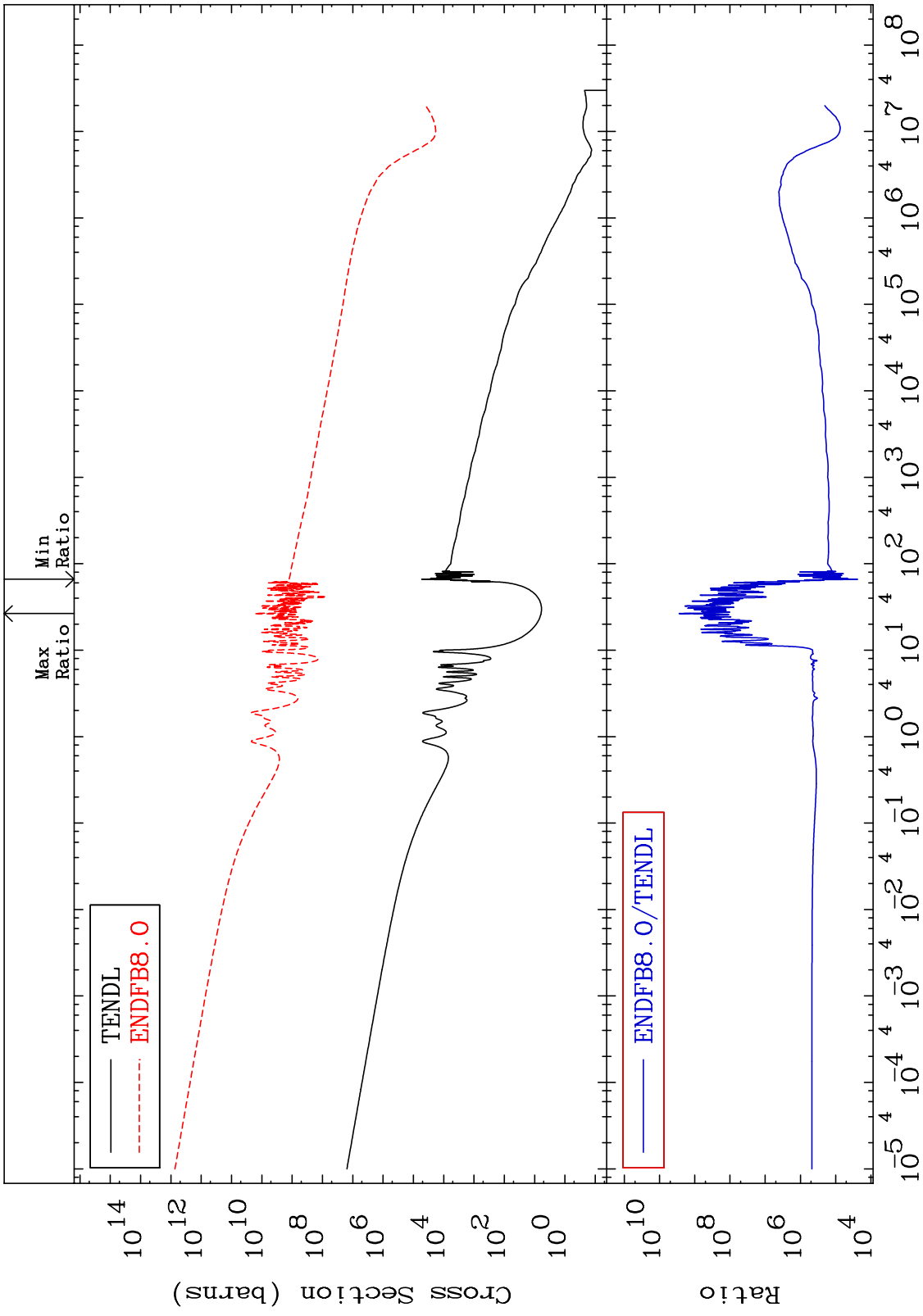


MAT 6328

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

63-Eu-152
-100.0 To 9999. %

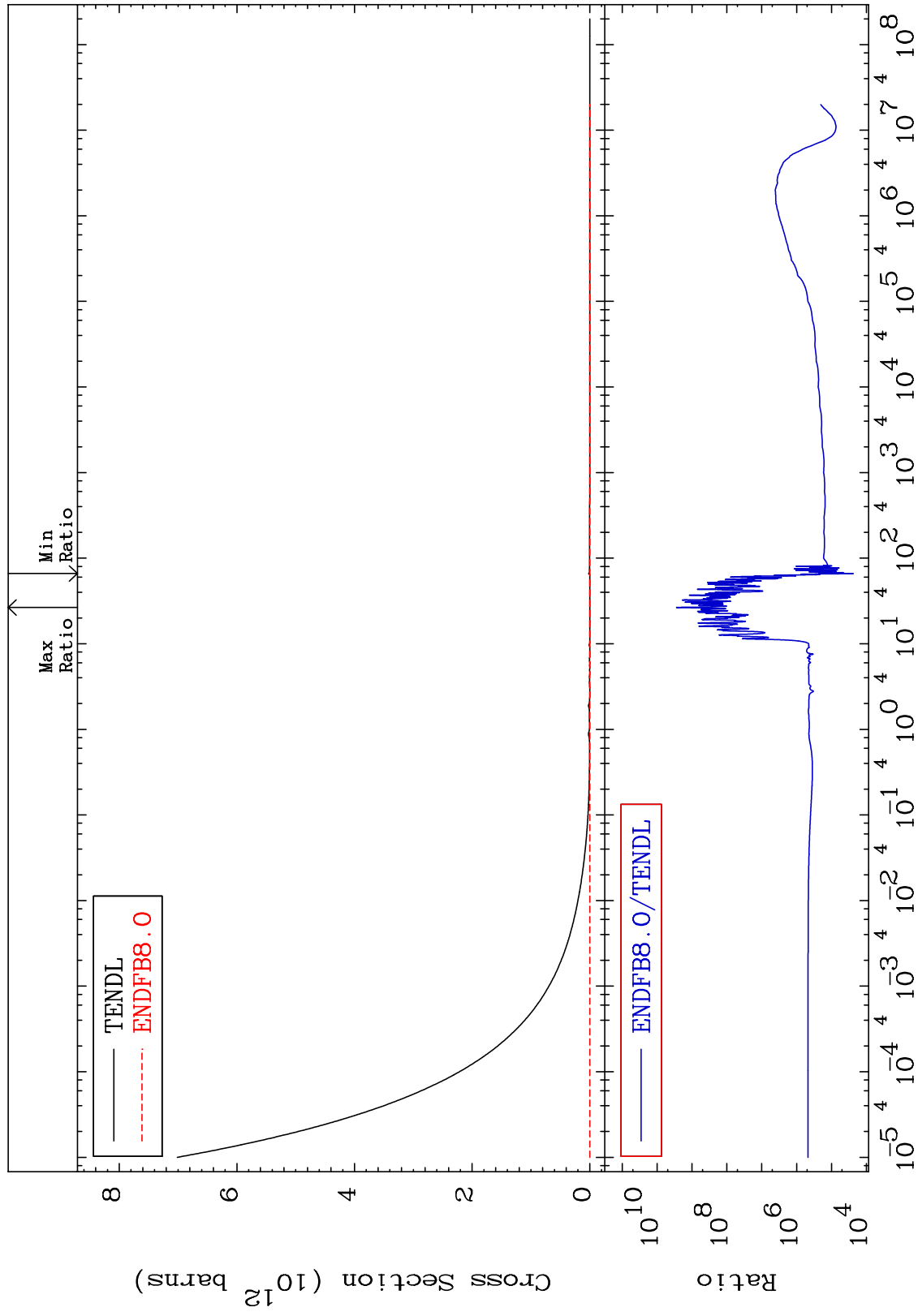




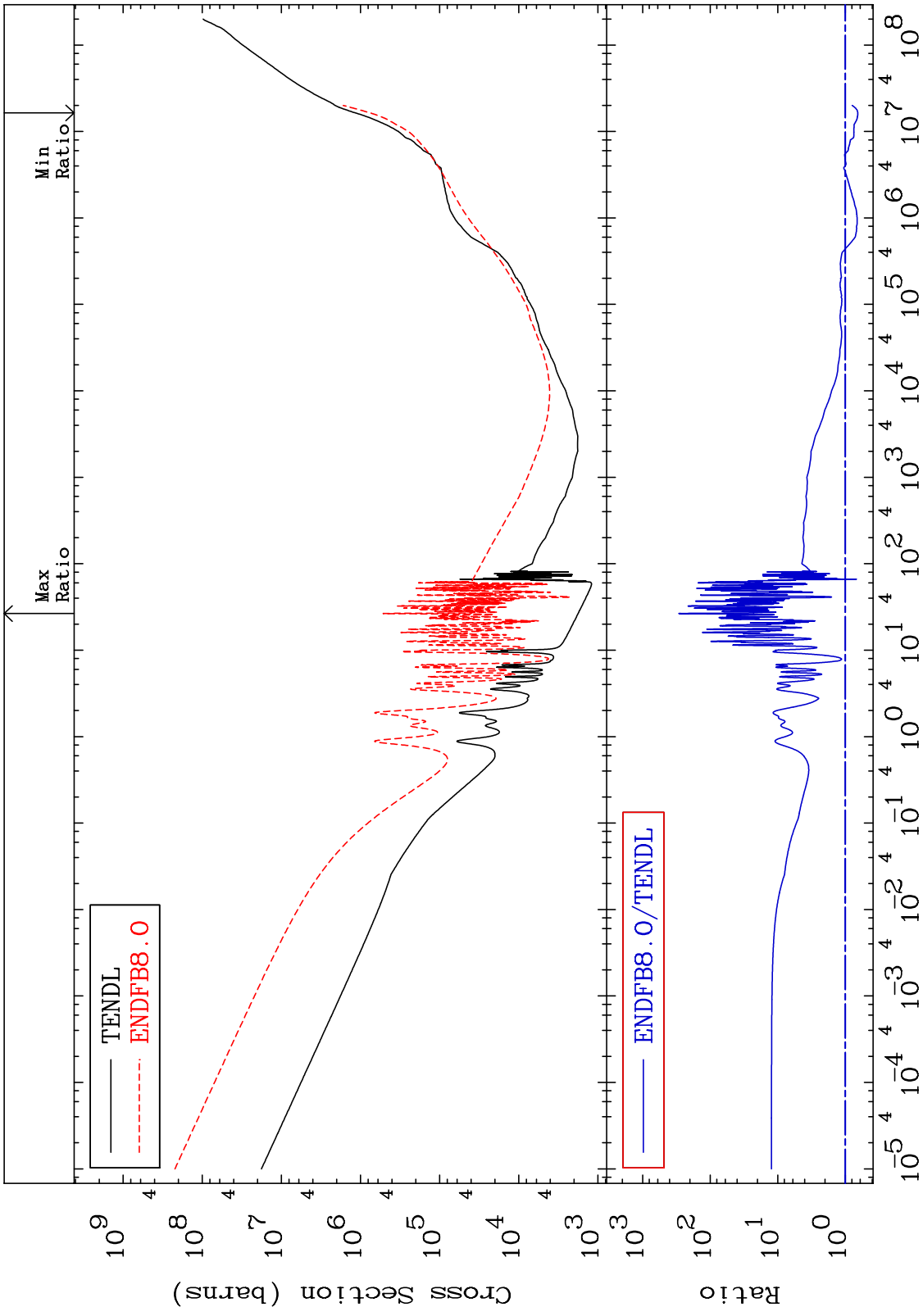
MAT 6328

Total photon (eV-barns)
Cross Section

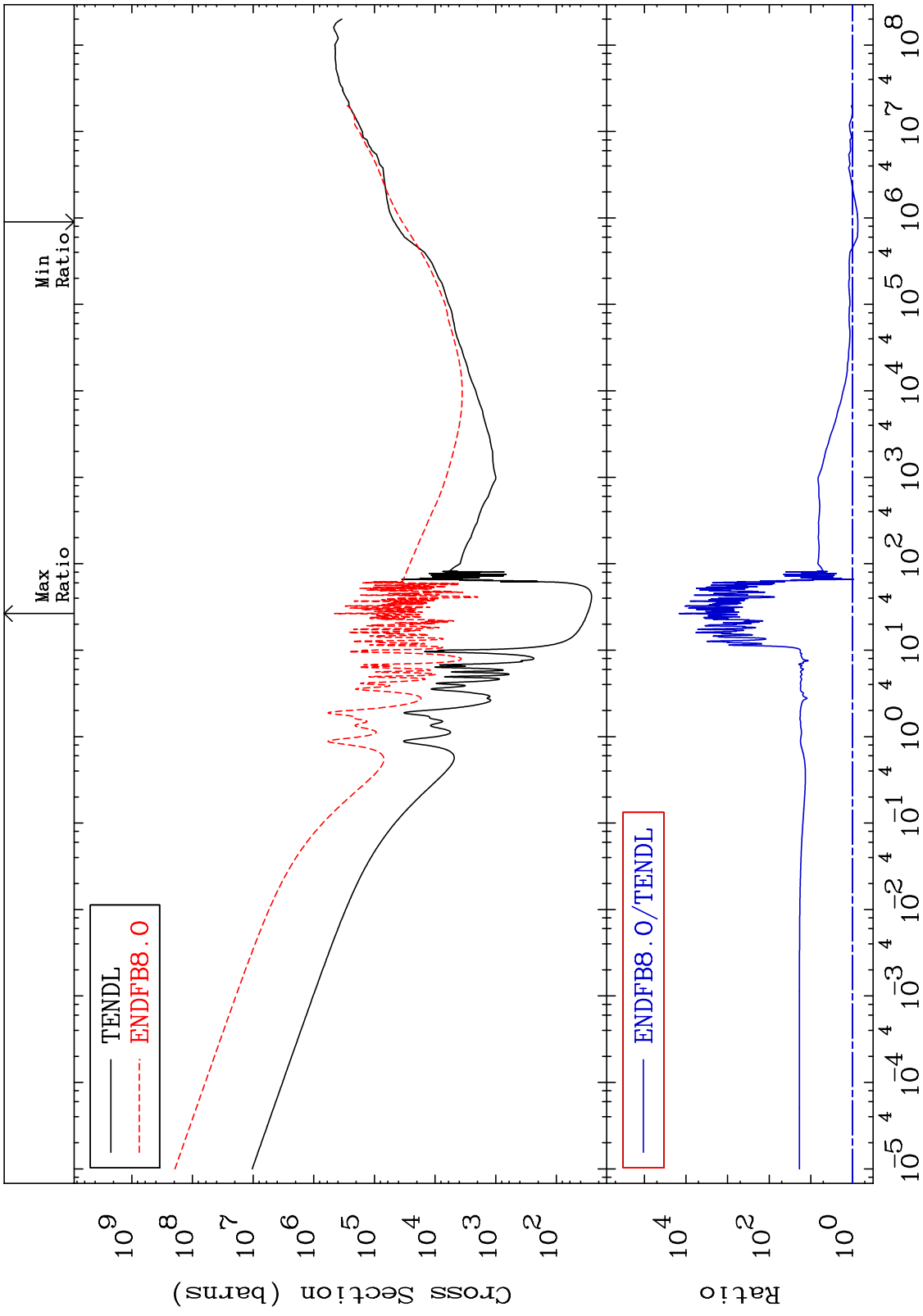
63-Eu-152
9999. To 9999. %



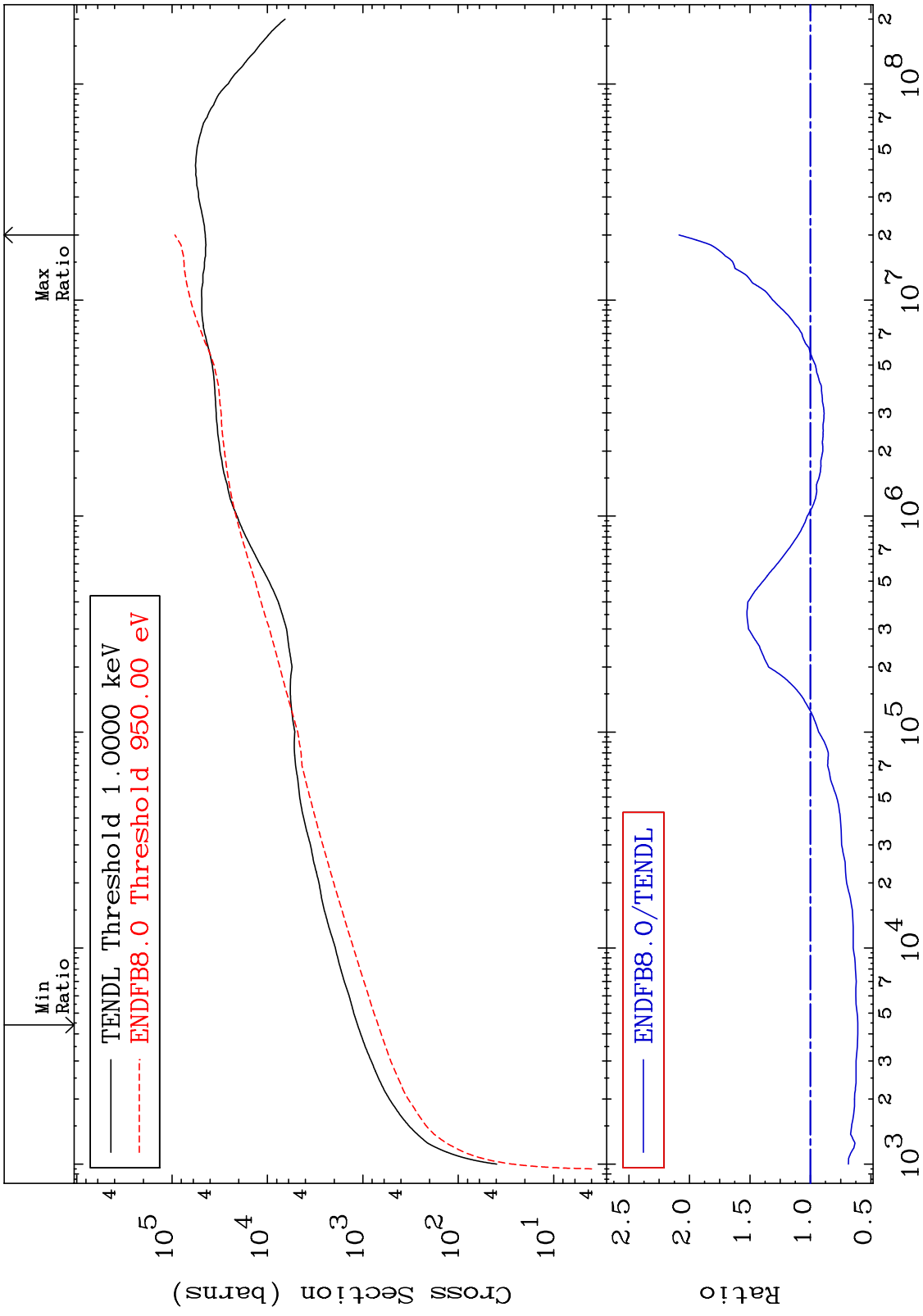
MAT 6328 Total kinematic kerma (high limit) 63-Eu-152
 Cross Section -34.79 To 9999. %



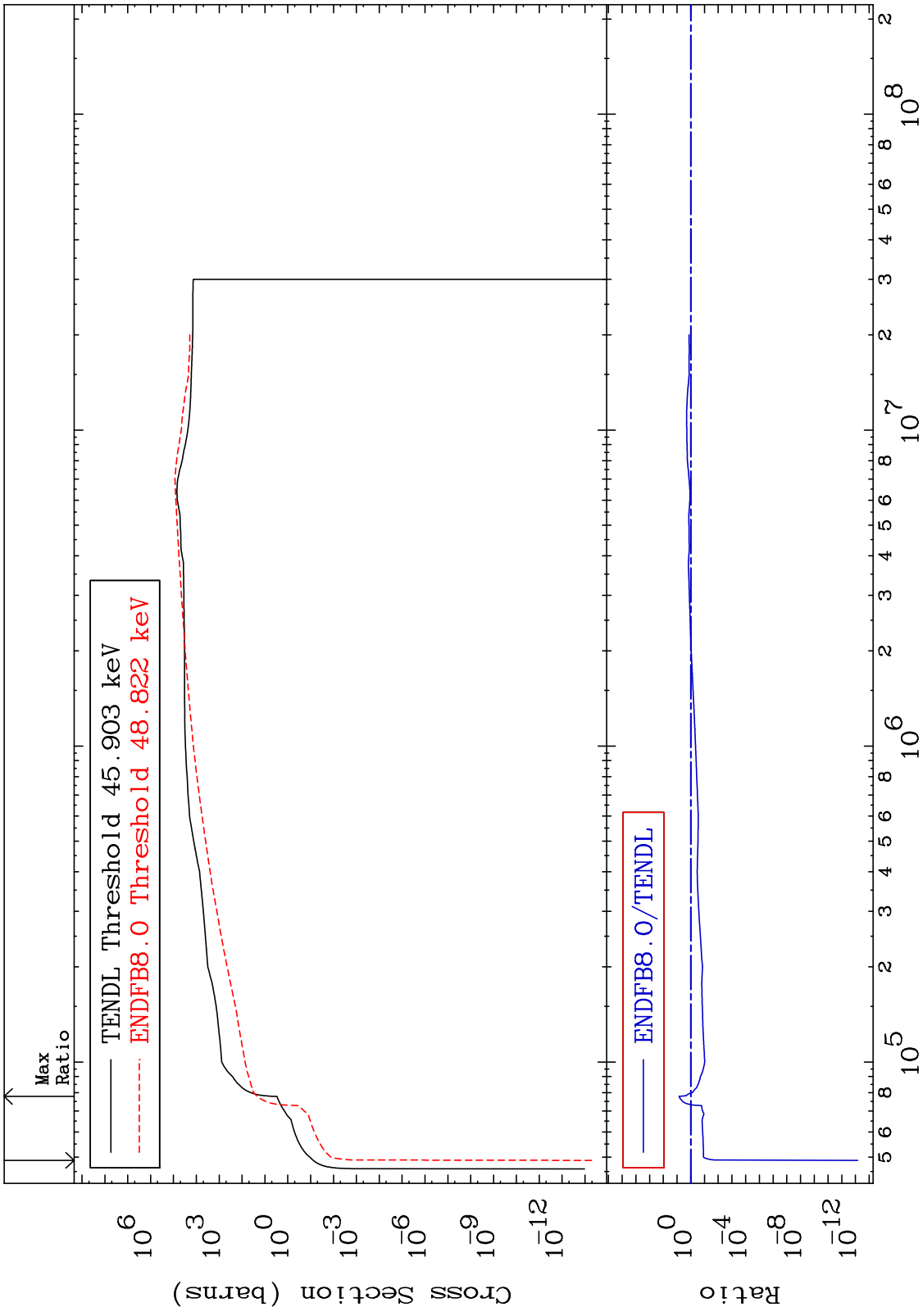
MAT 6328 Dpa total (eV-barns) 63-Eu-152
 Cross Section -26.12 To 9999. %



MAT 6328 63-Eu-152
 Dpa elastic (mt2) -39.19 To 108.6 %
 Cross Section



MAT 6328 Dpa inelastic (mt51-91) 63-Eu-152
 Cross Section -100.0 To 613.0 %



MAT 6328 Dpa disappearance (mt102 -120) 63-Eu-152
 Cross Section -69.50 To 9999. %

