

Program Complot  
(Version 2018-1)

by

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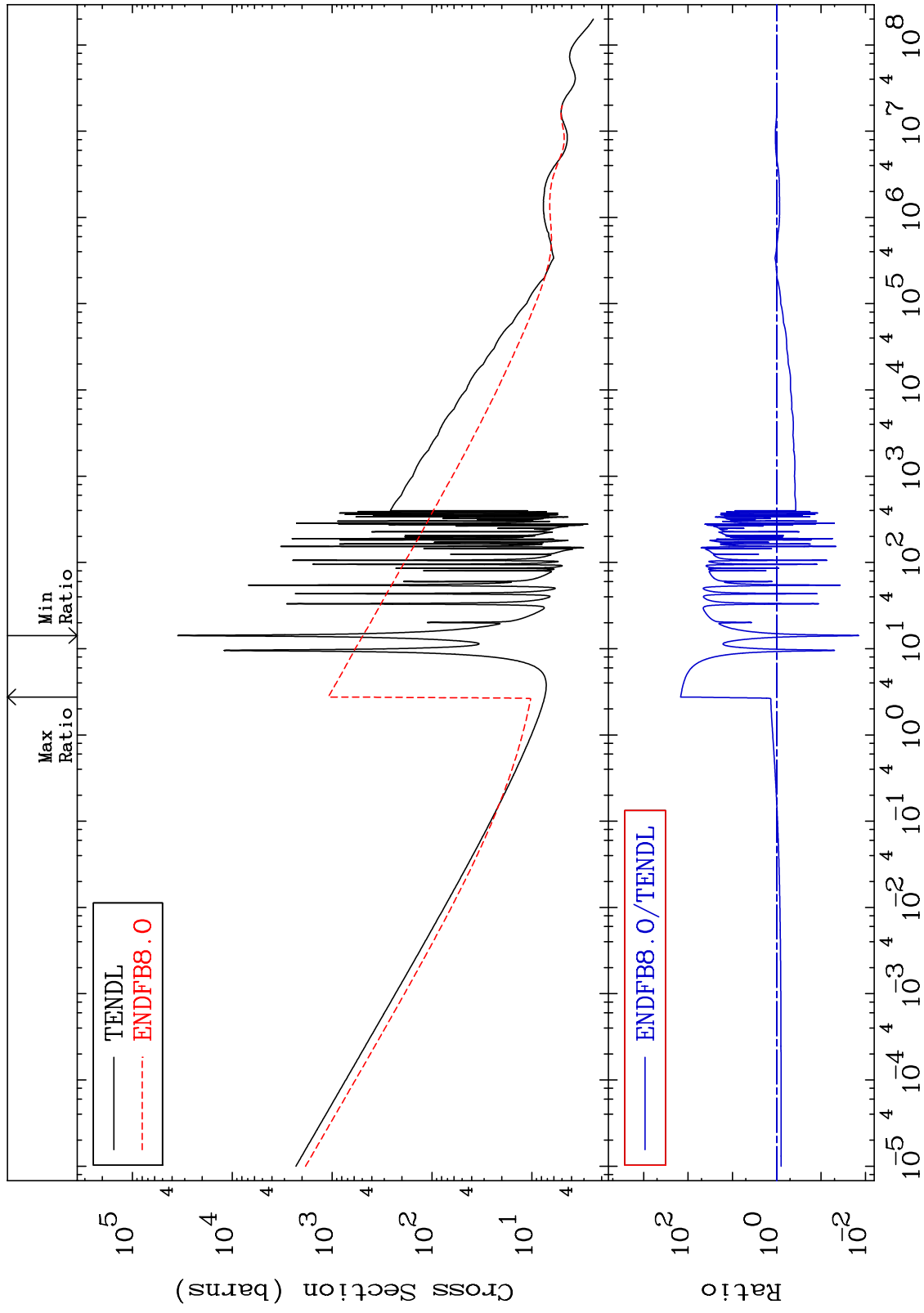
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6619

Total  
Cross Section

66-Dy-154  
-98.60 To 9999. %

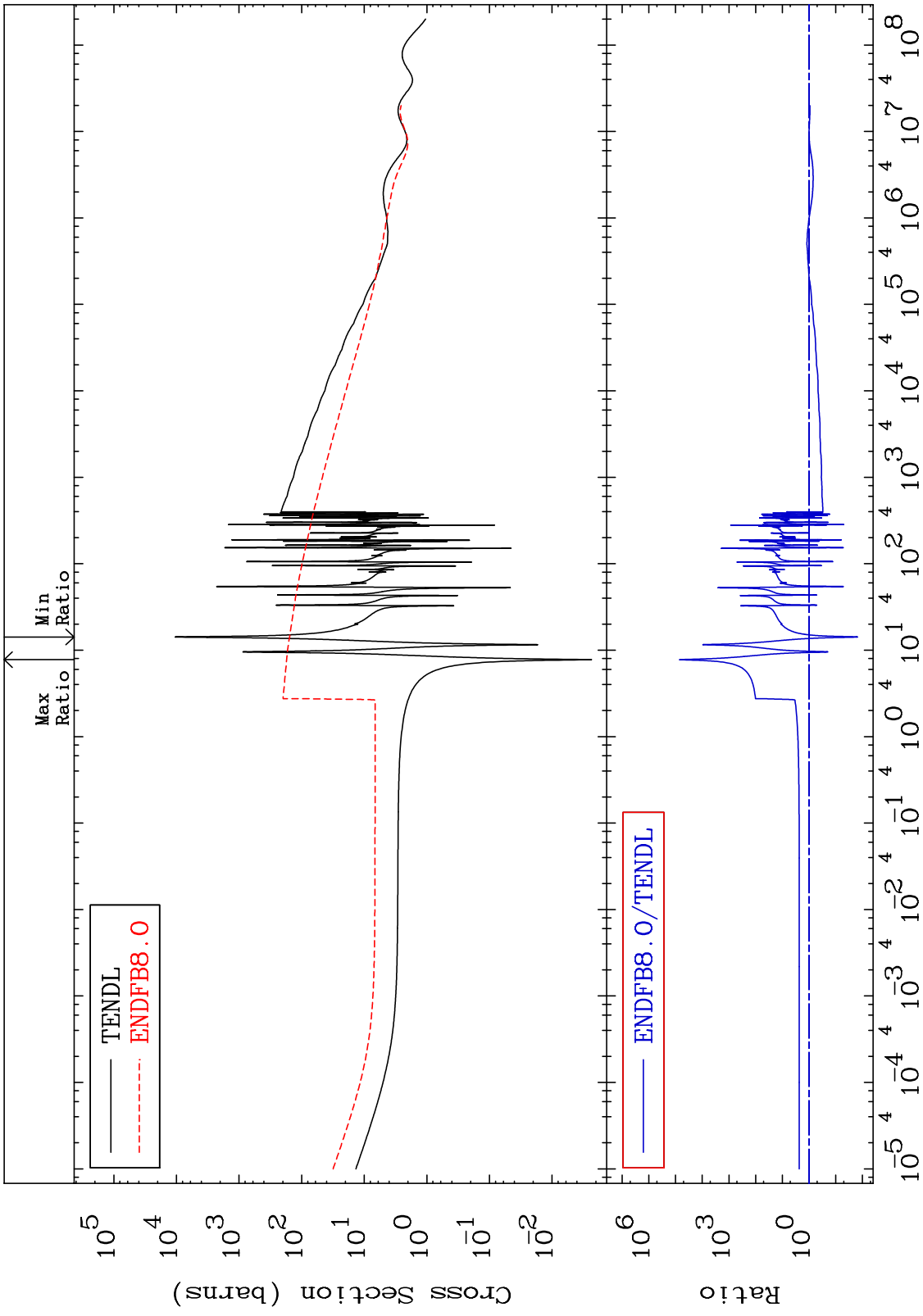


1

Incident Energy (eV)

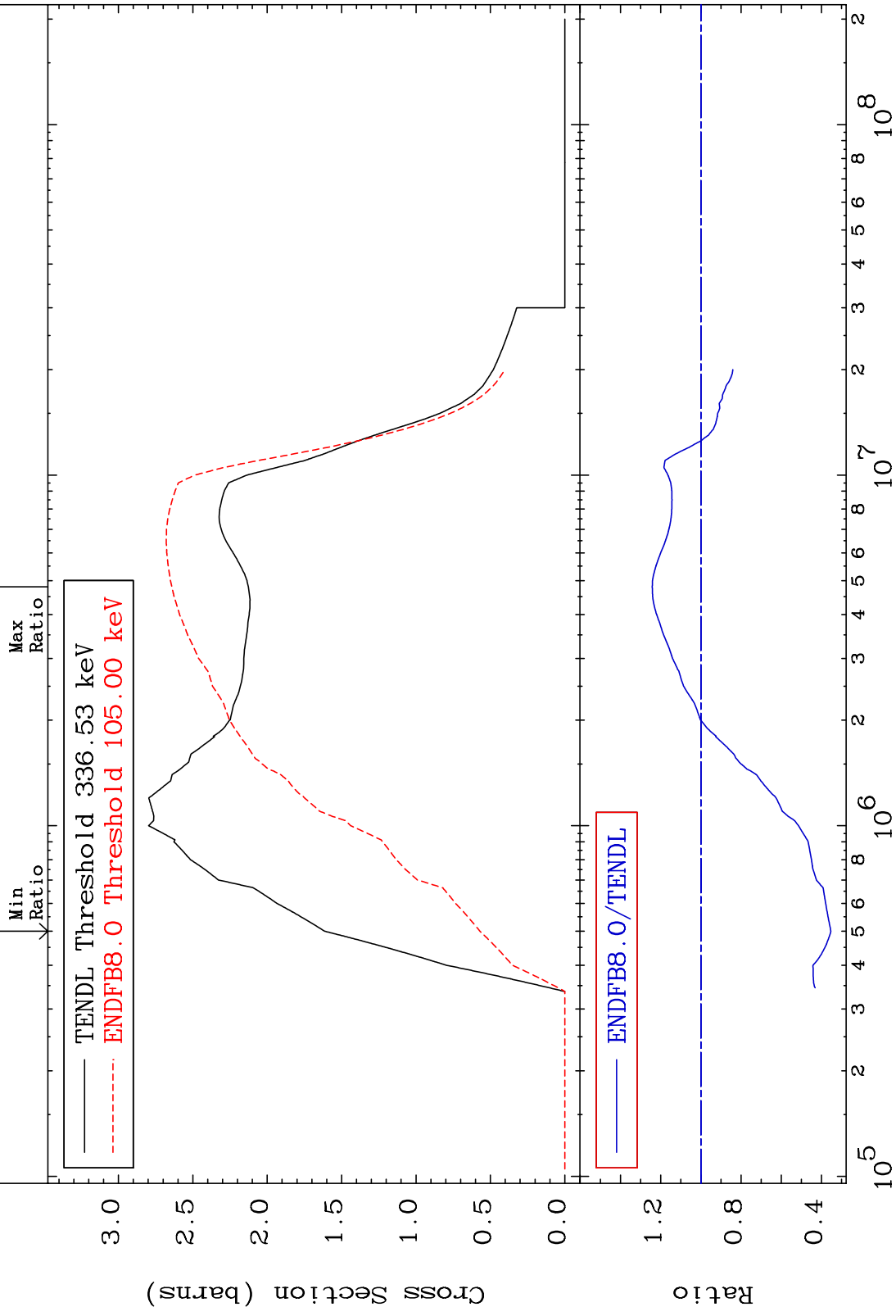
66-Dy-154

MAT 6619 Elastic Cross Section 66-Dy-154 -98.52 To 9999. %



MAT 6619 66-Dy-154  
-64.65 To 24.18 %

Inelastic  
Cross Section

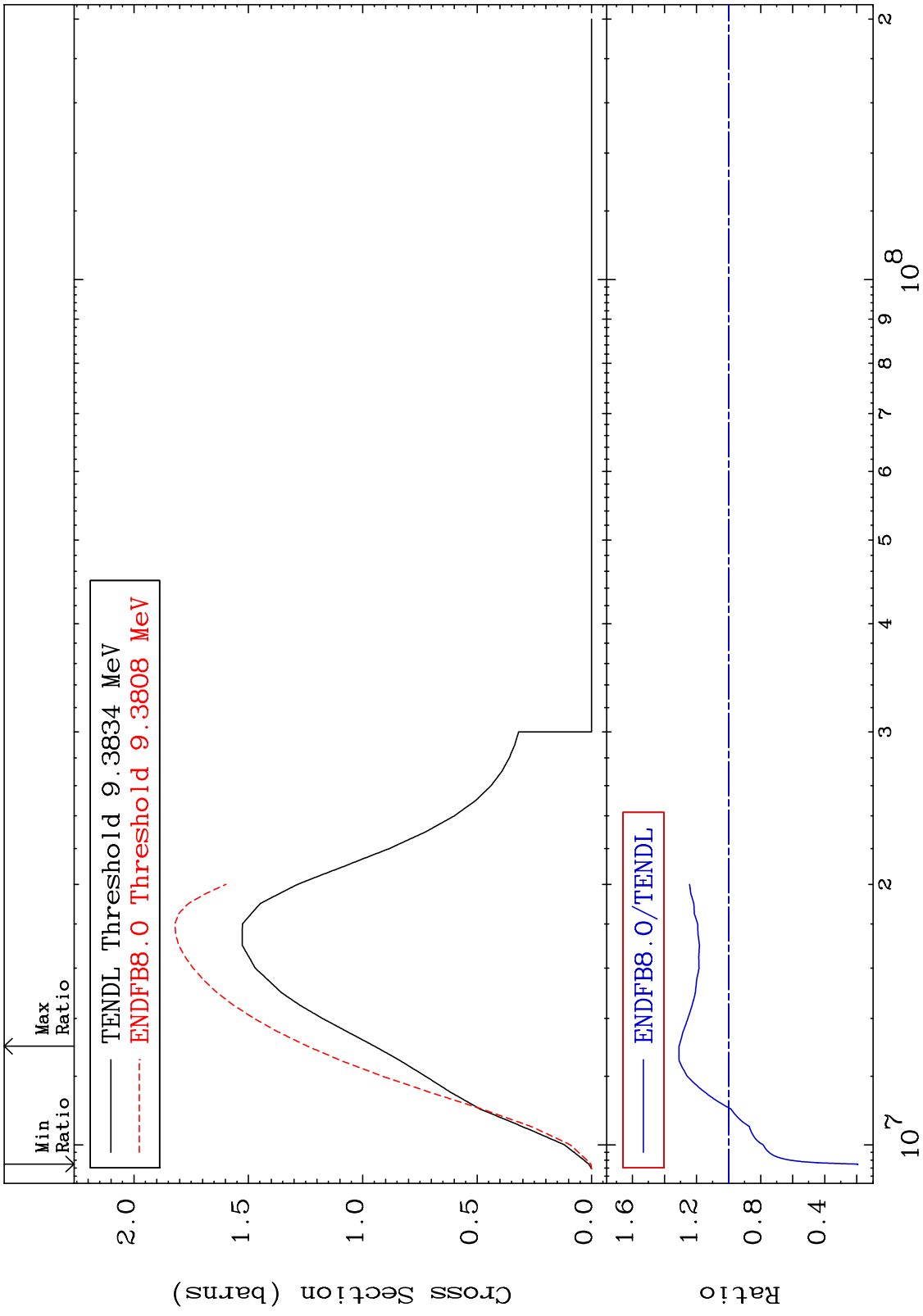


66-Dy-154

Incident Energy (eV)

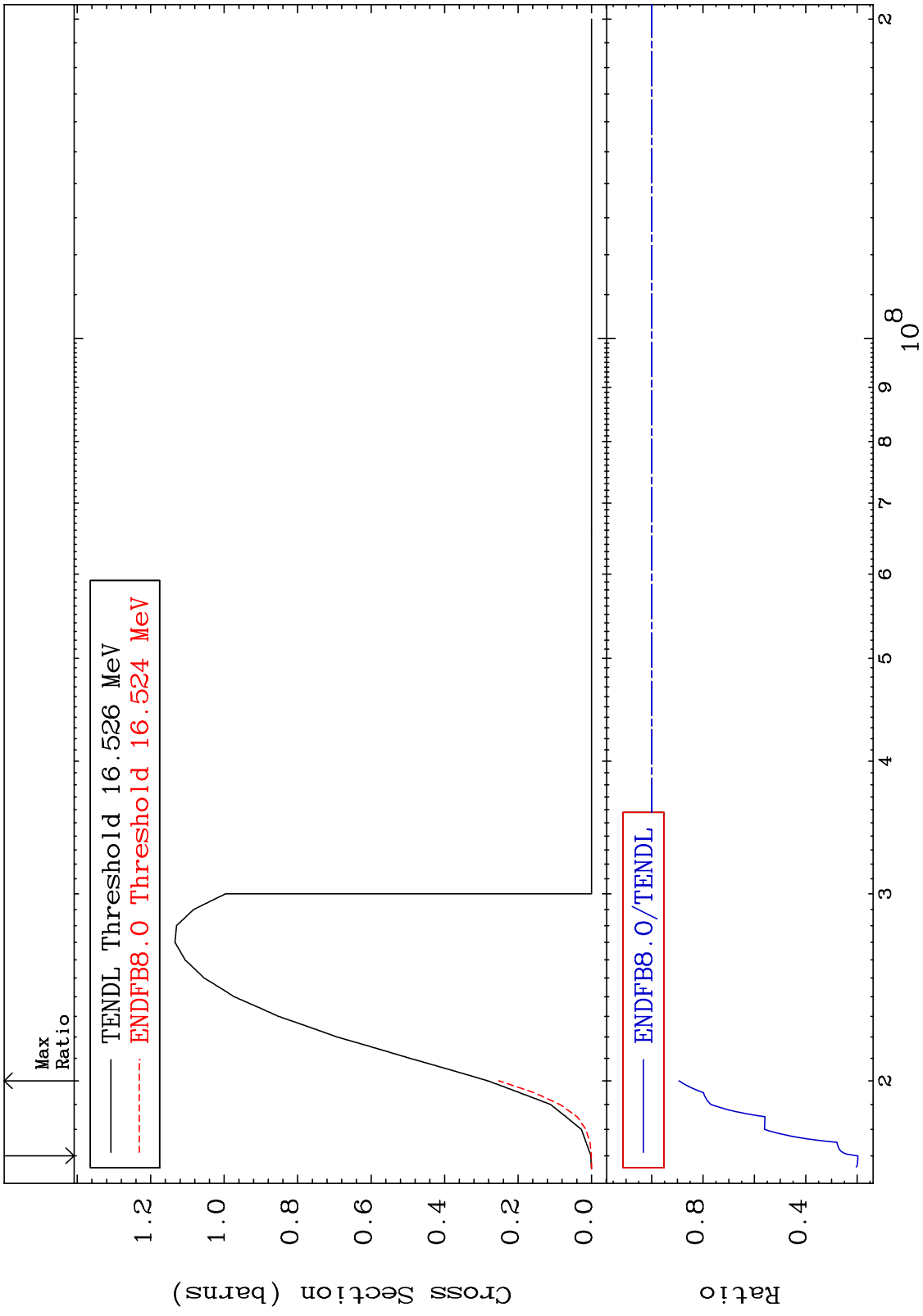
3

MAT 6619 (n,2n) Cross Section 66-Dy-154 -80.65 To 30.91 %



4 Incident Energy (eV) 66-Dy-154

MAT 6619 (n,3n) Cross Section 66-Dy-154 -80.23 To -10.65%



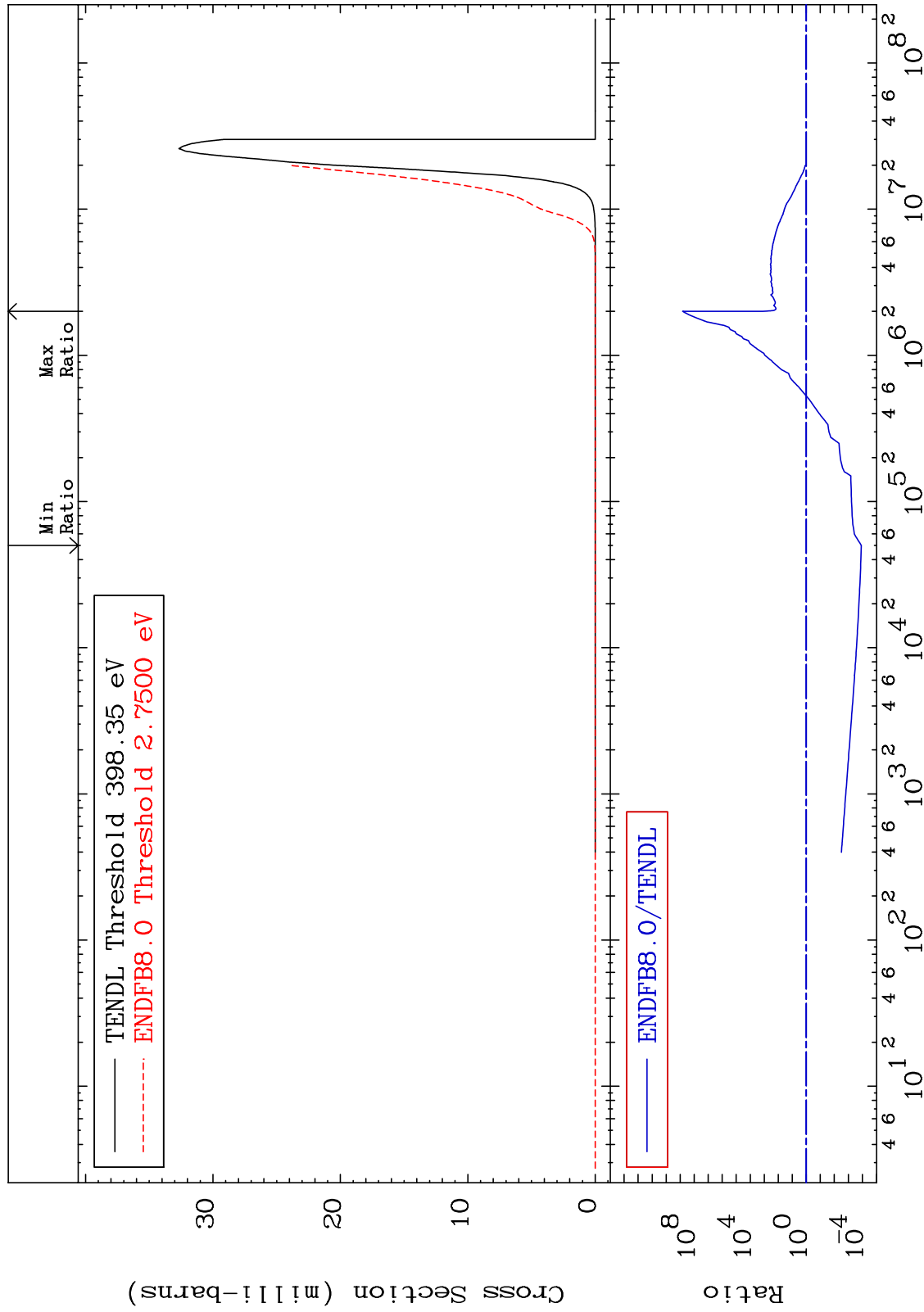
MAT 6619

(n, n')  $\alpha$

66-Dy-154

Cross Section

-99.99 To 9999. %



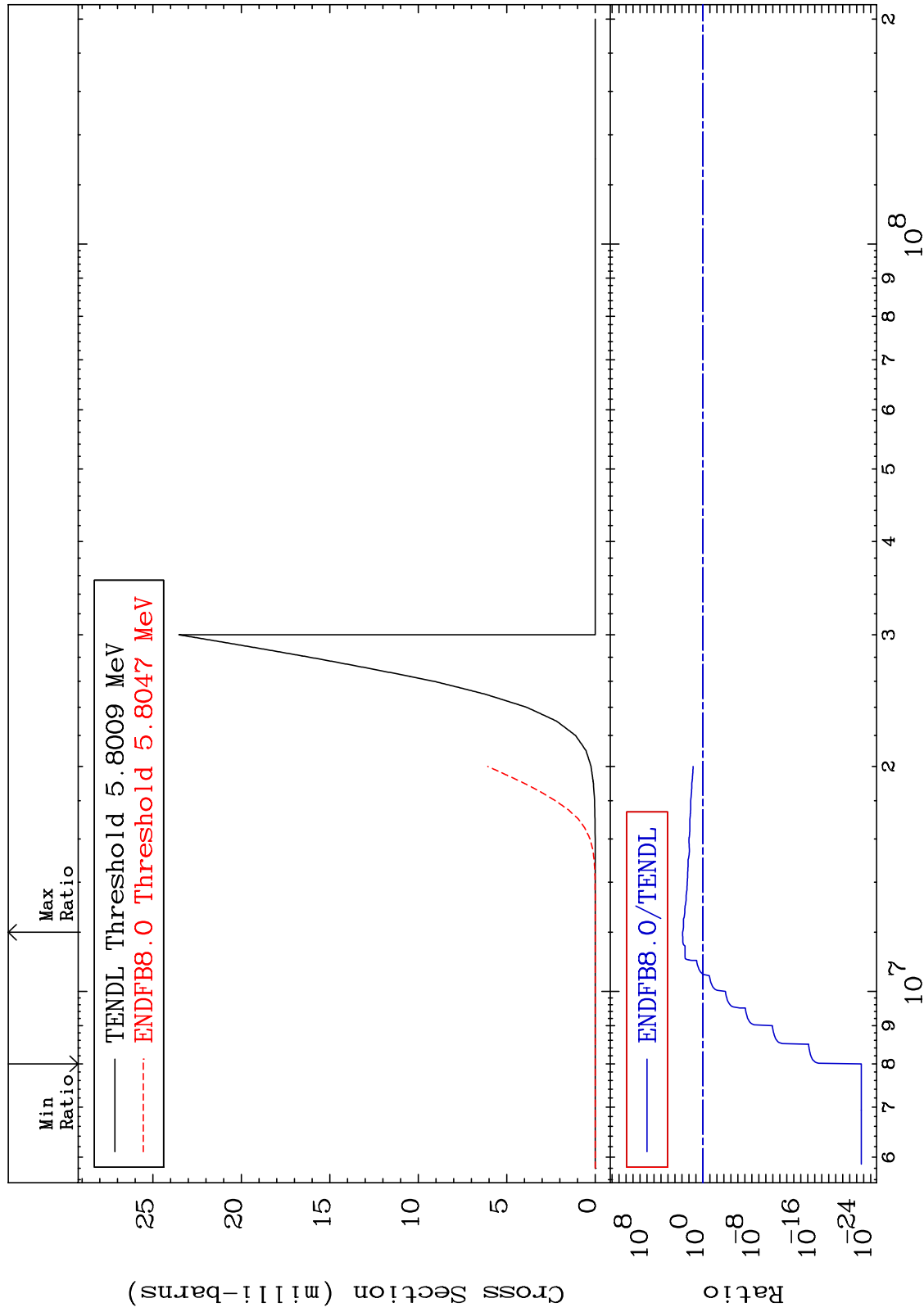
MAT 6619

(n,2n)  $\alpha$

66-Dy-154

Cross Section

-100.0 To 9999. %



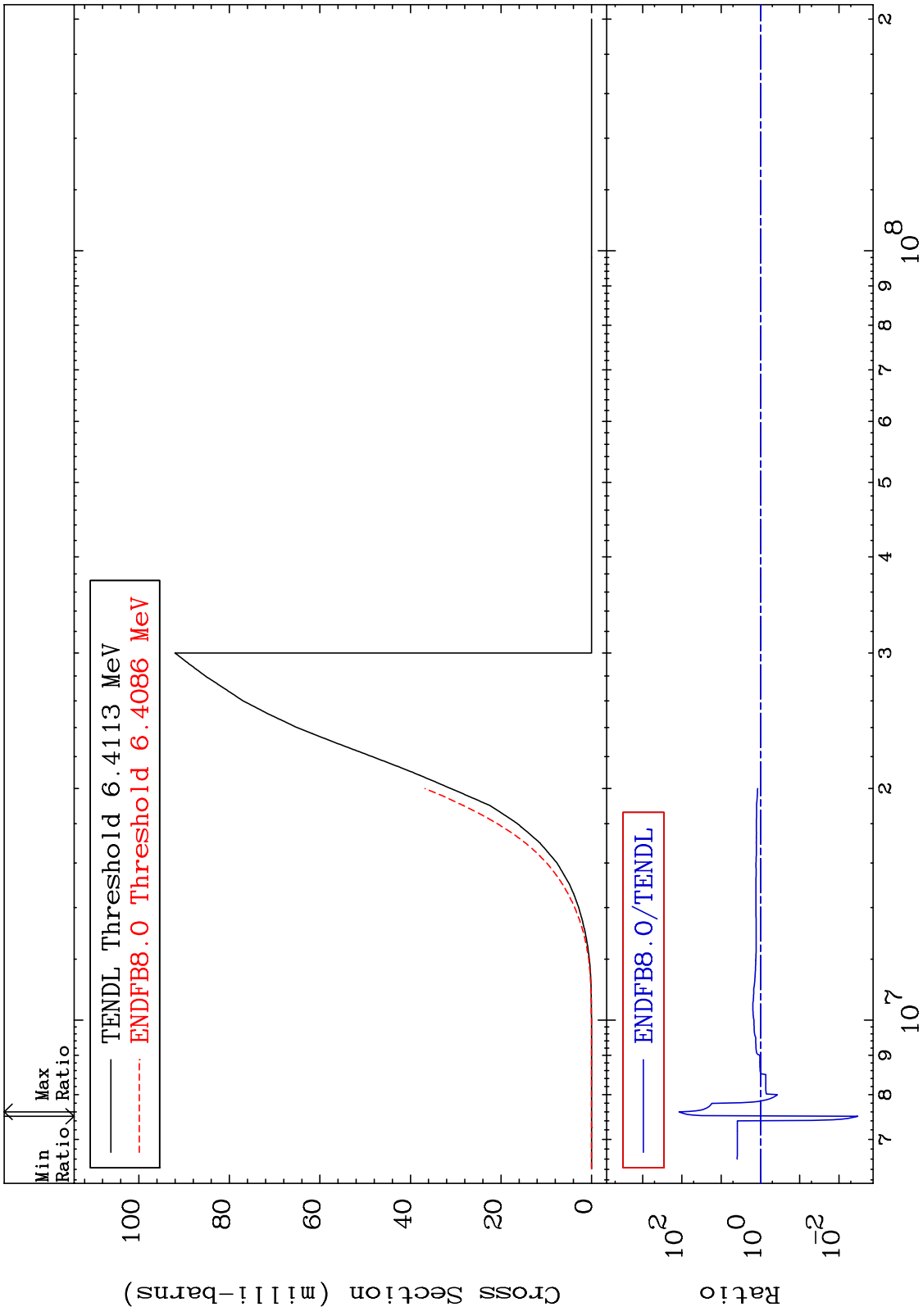
7

Incident Energy (eV)

66-Dy-154



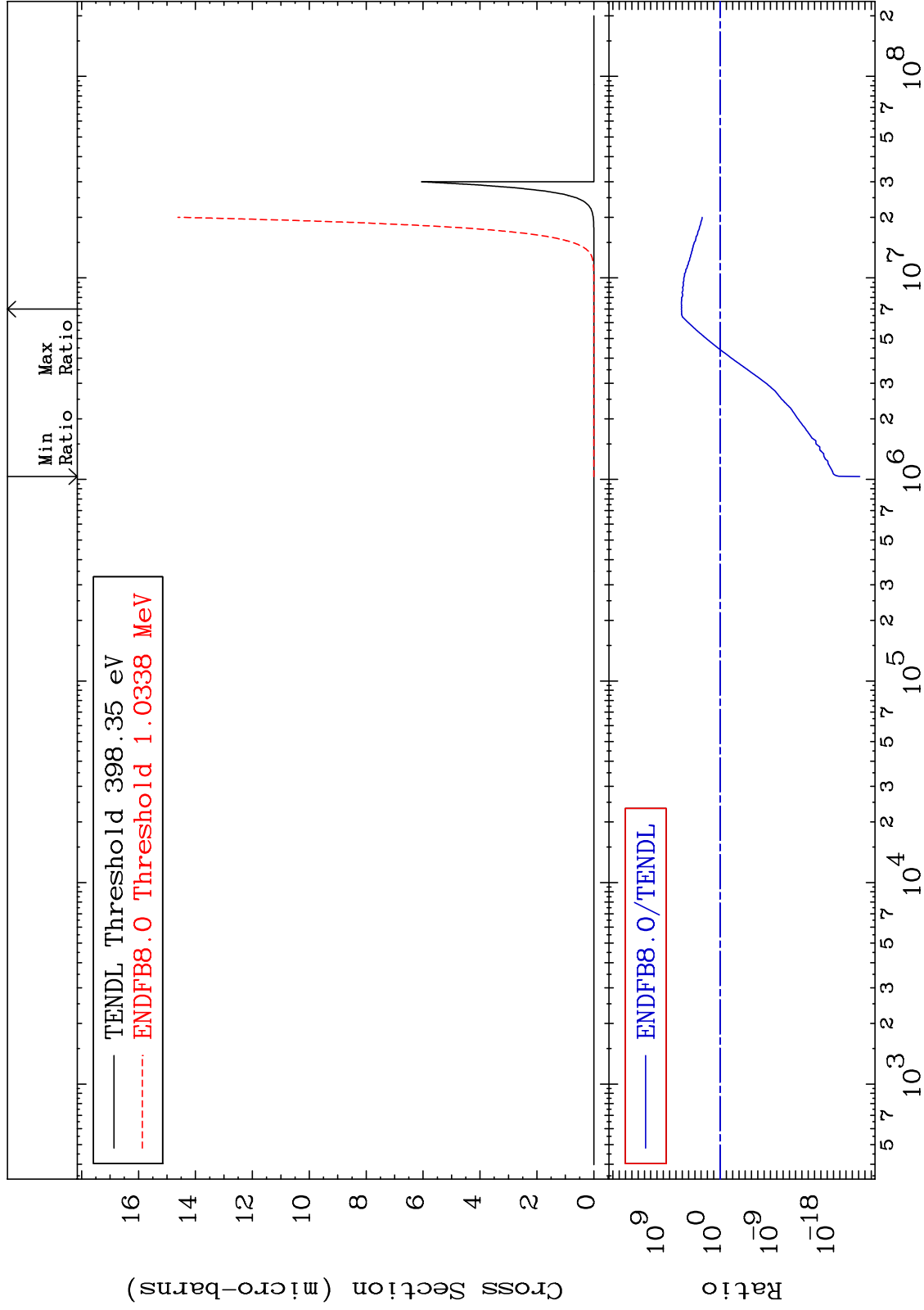
MAT 6619 (n,n') p 66-Dy-154  
 Cross Section -99.67 To 9999. %



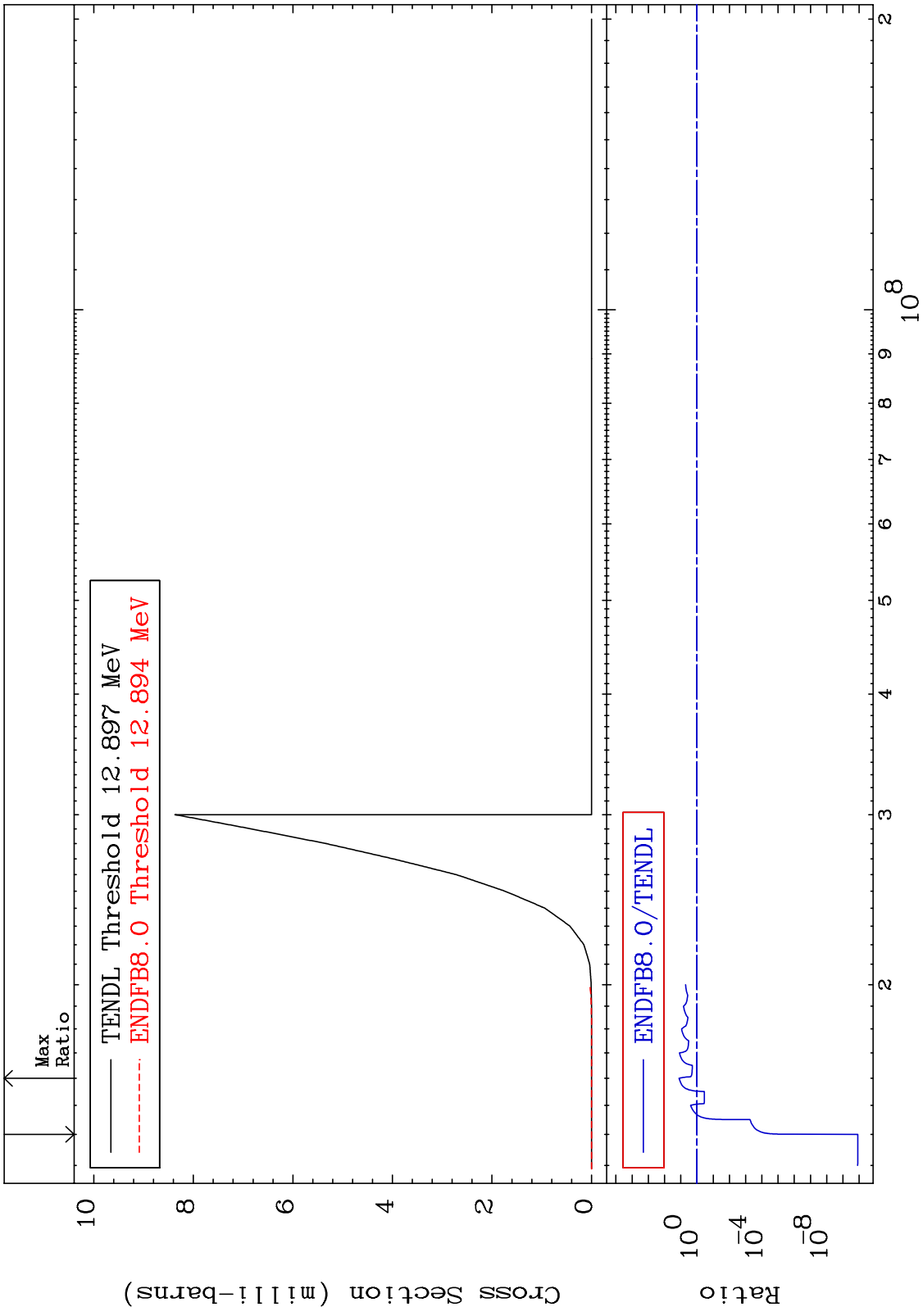
MAT 6619

(n,n') 2α  
Cross Section

66-Dy-154  
-100.0 To 9999. %

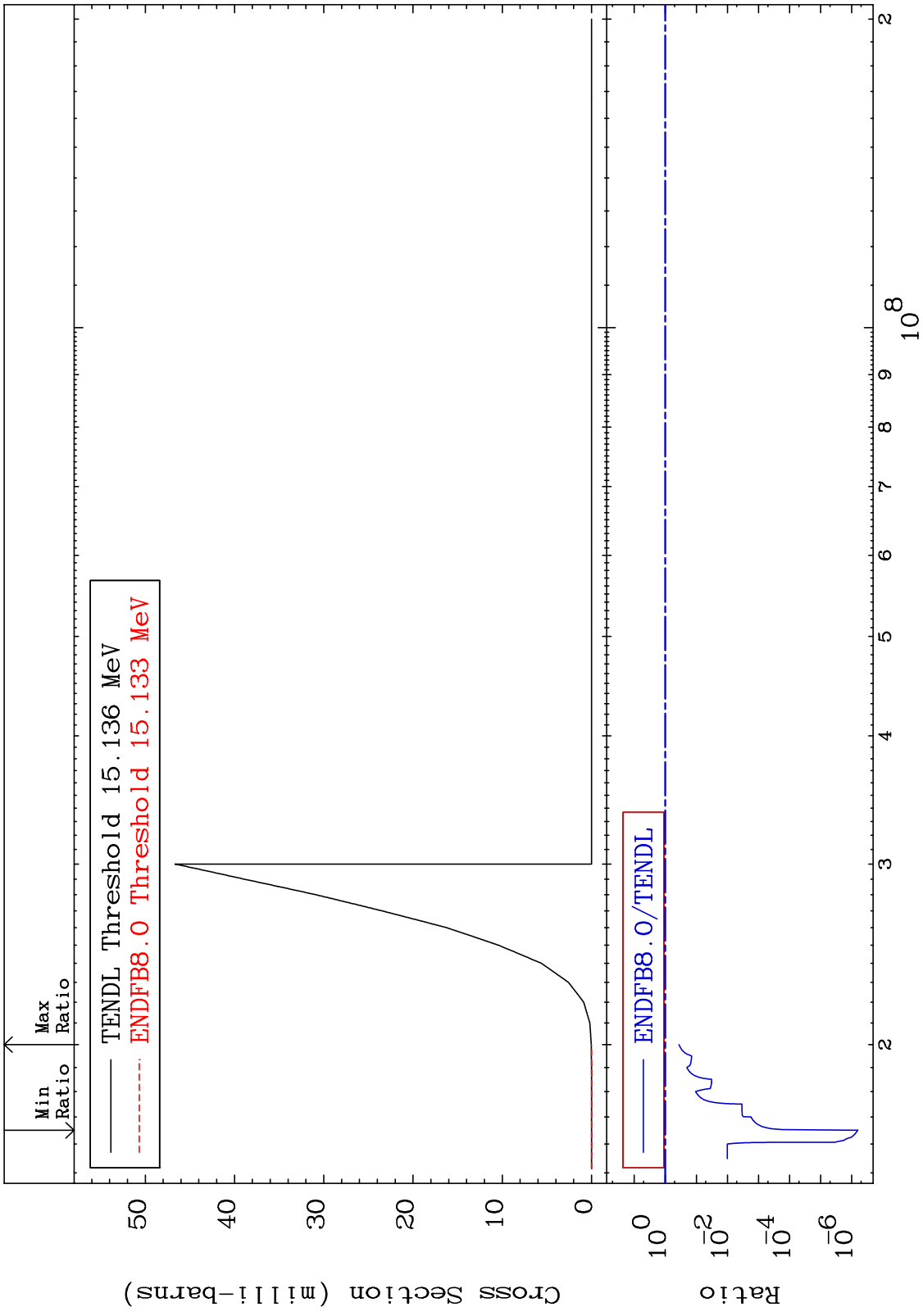


MAT 6619 (n,n') d 66-Dy-154  
 Cross Section -100.0 To 1176. %

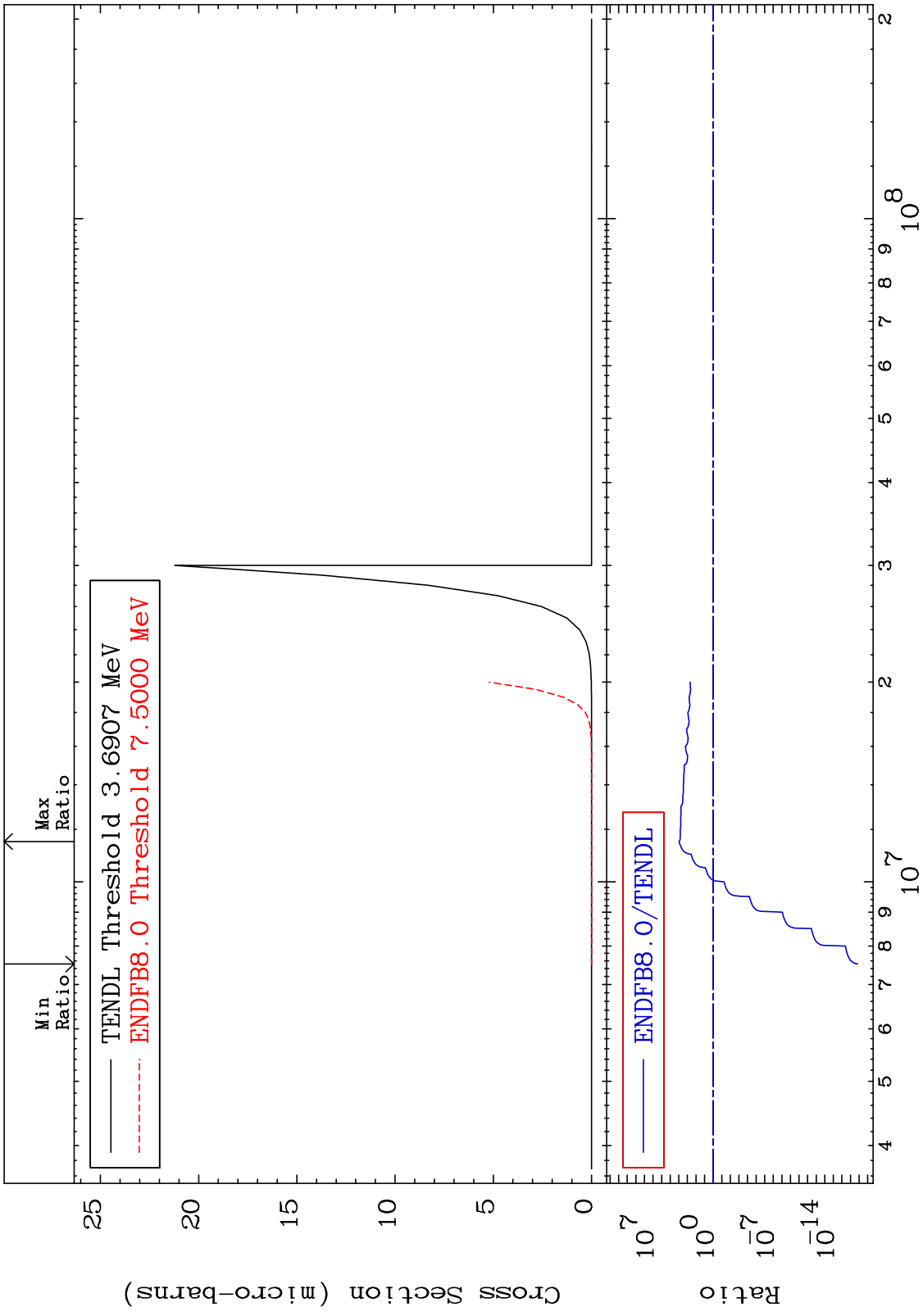


Incident Energy (eV) 66-Dy-154

MAT 6619 (n,2n) p 66-Dy-154  
 Cross Section -100.0 To -63.93%

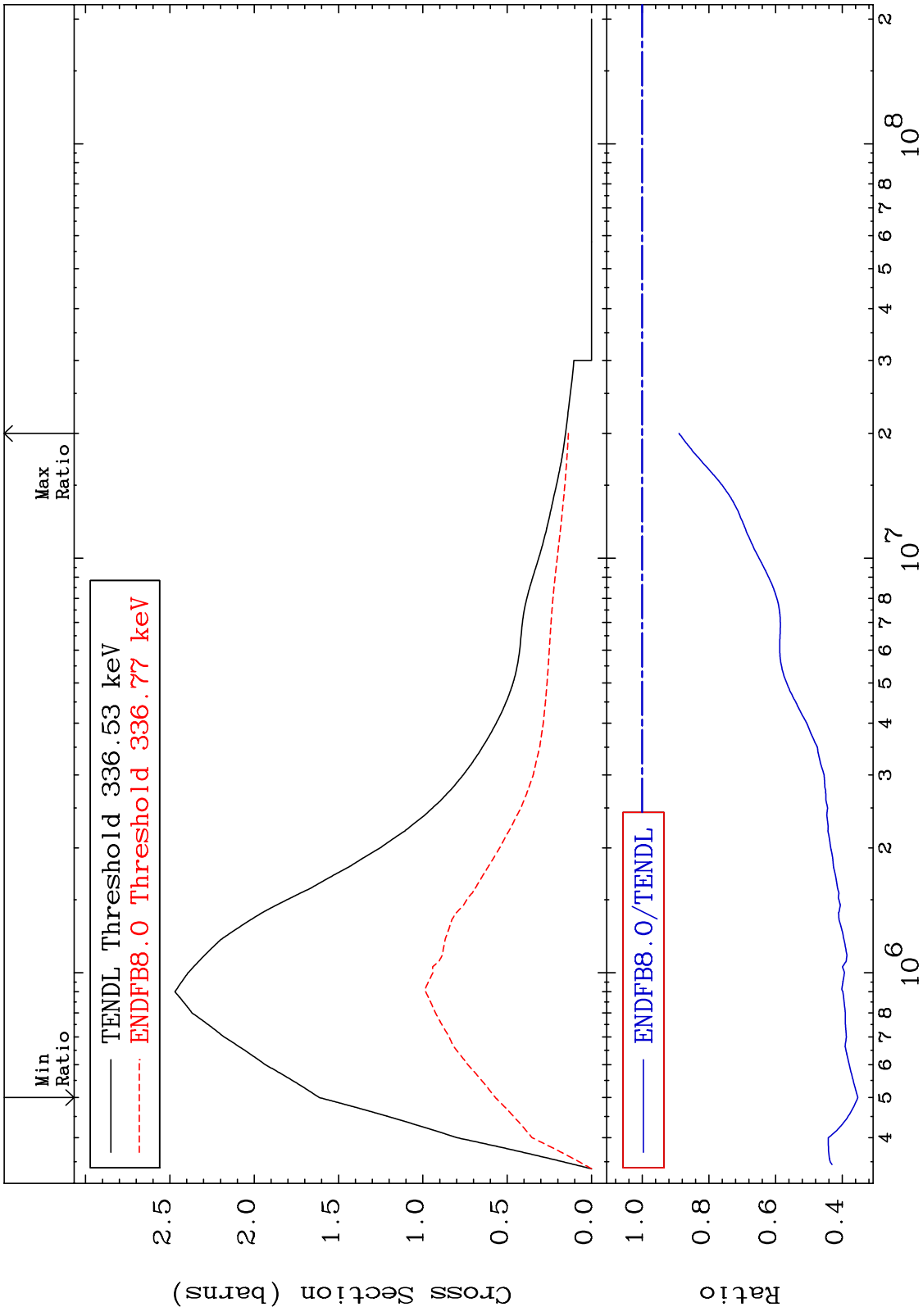


MAT 6619  $(n, n')$  p  $\alpha$  66-Dy-154  
 Cross Section -100.0 To 9999. %

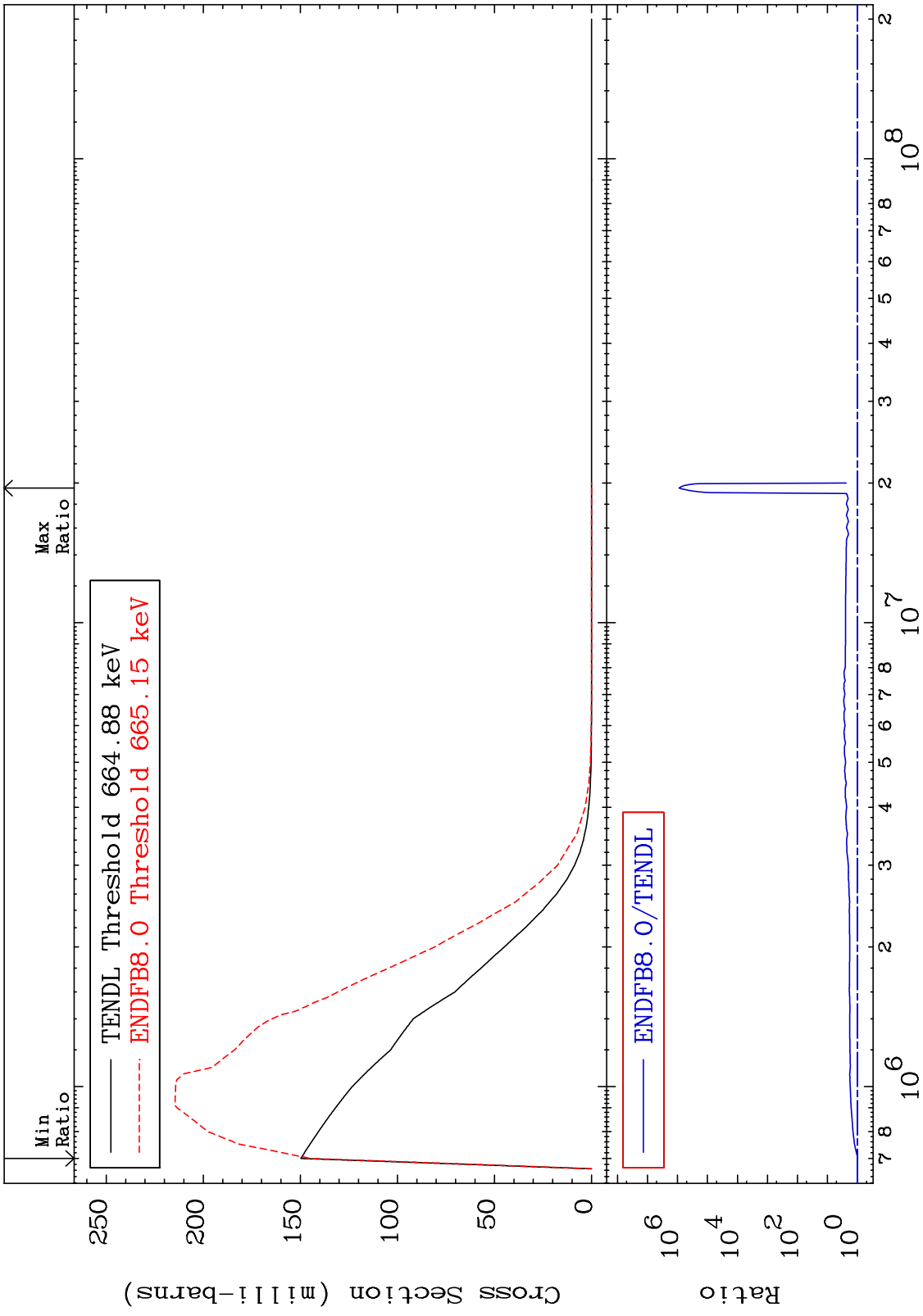


12 Incident Energy (eV) 66-Dy-154

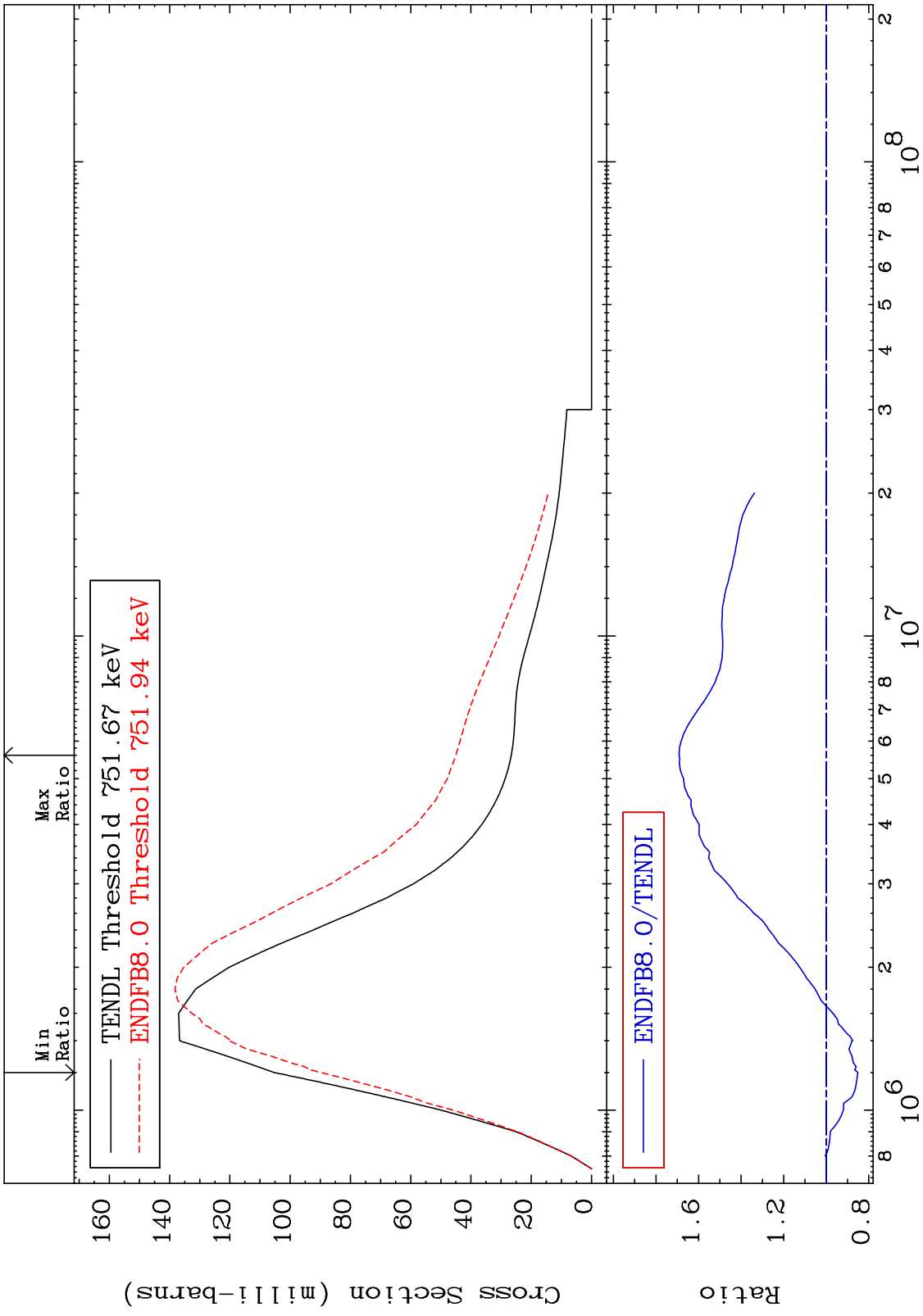
MAT 6619 MT= 51 (n,n') Level Cross Section 66-Dy-154  
 -64.68 To -11.06%



MAT 6619 MT= 52 (n,n') Level Cross Section 66-Dy-154  
 -3.199 To 9999. %



MAT 6619 MT= 53 (n,n') Level Cross Section 66-Dy-154  
 -14.84 To 69.16 %



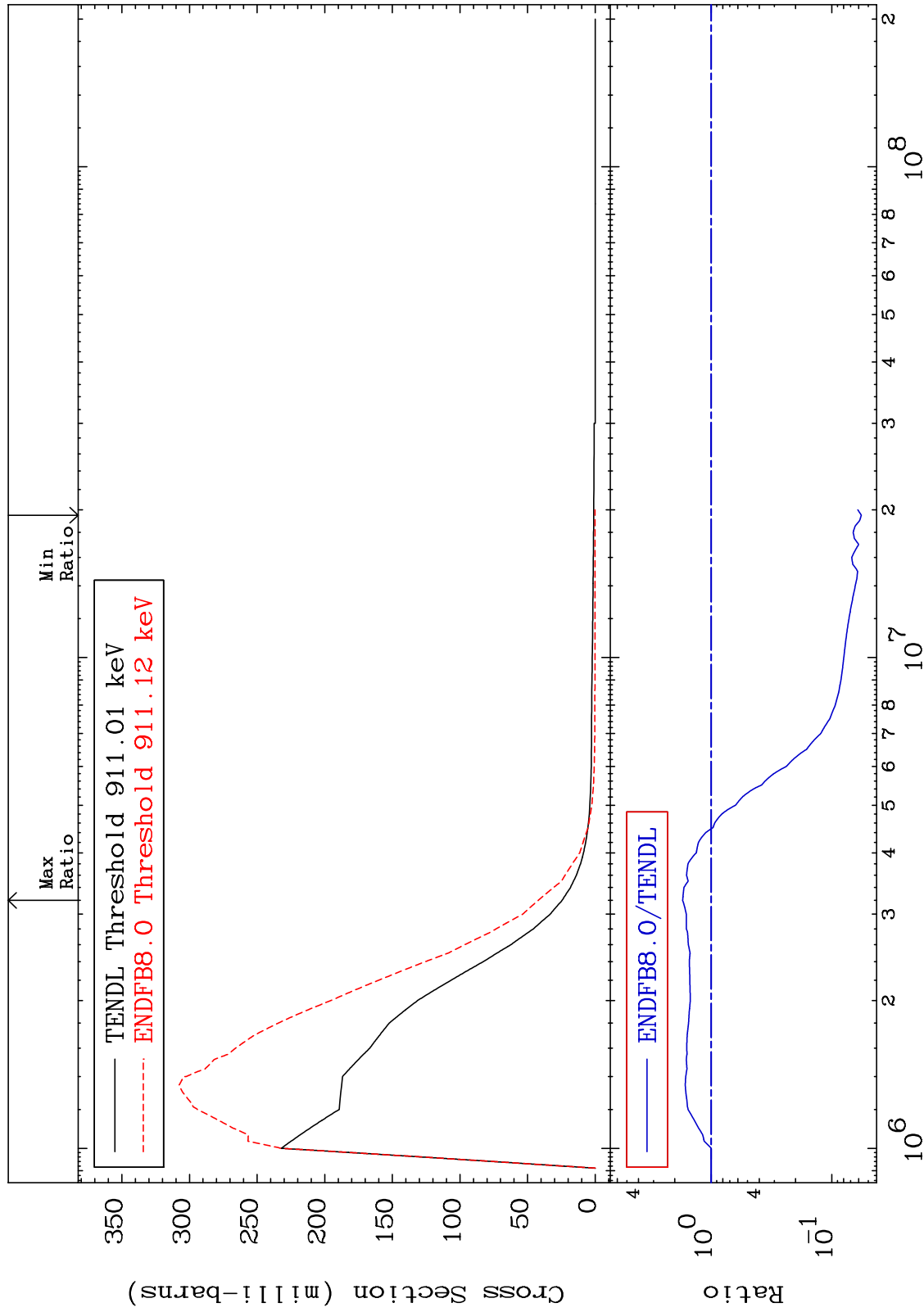
15 Incident Energy (eV) 66-Dy-154



MAT 6619

MT= 54 (n,n') Level  
Cross Section

66-Dy-154  
-94.30 To 72.23 %

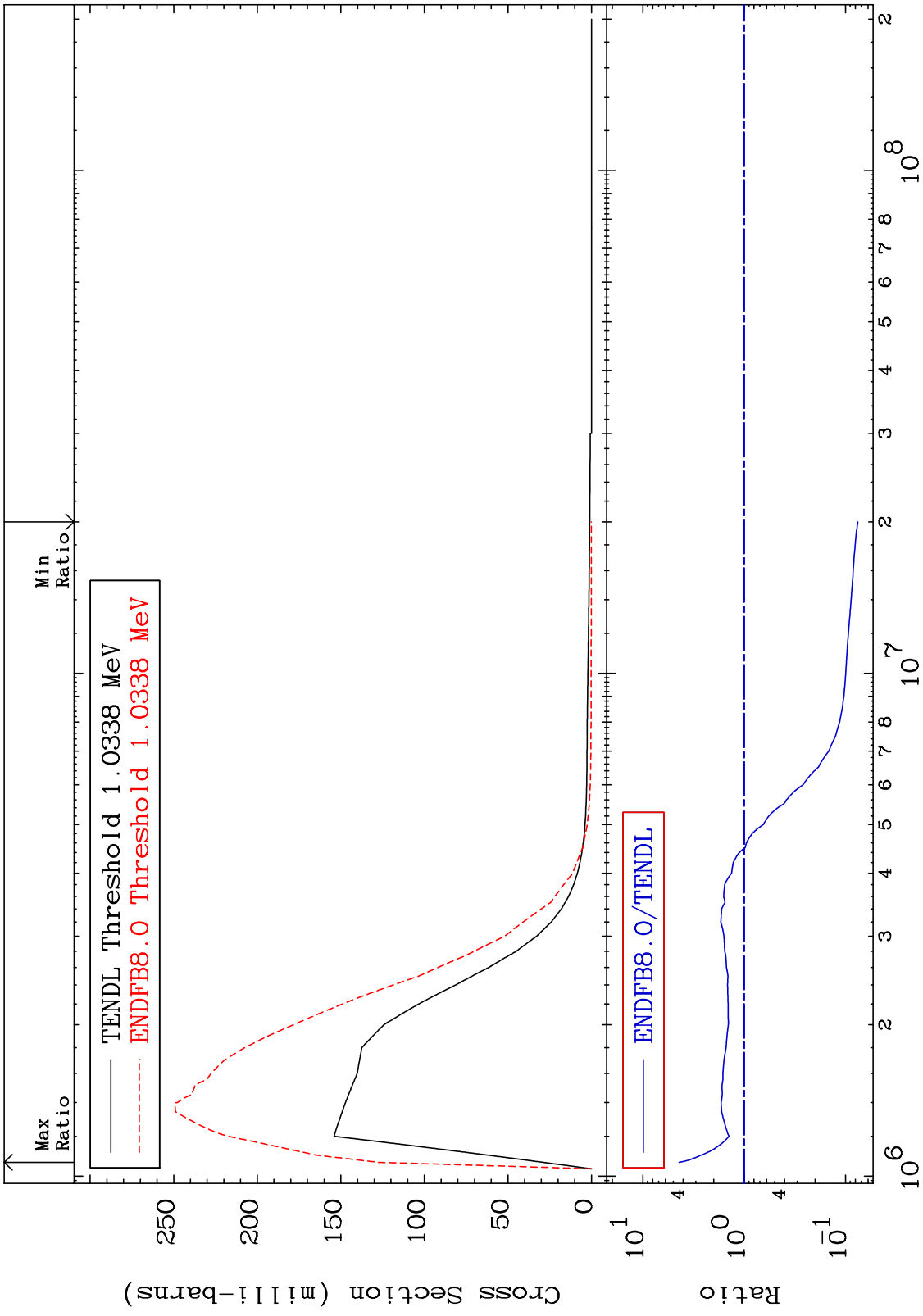


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Incident Energy (eV)

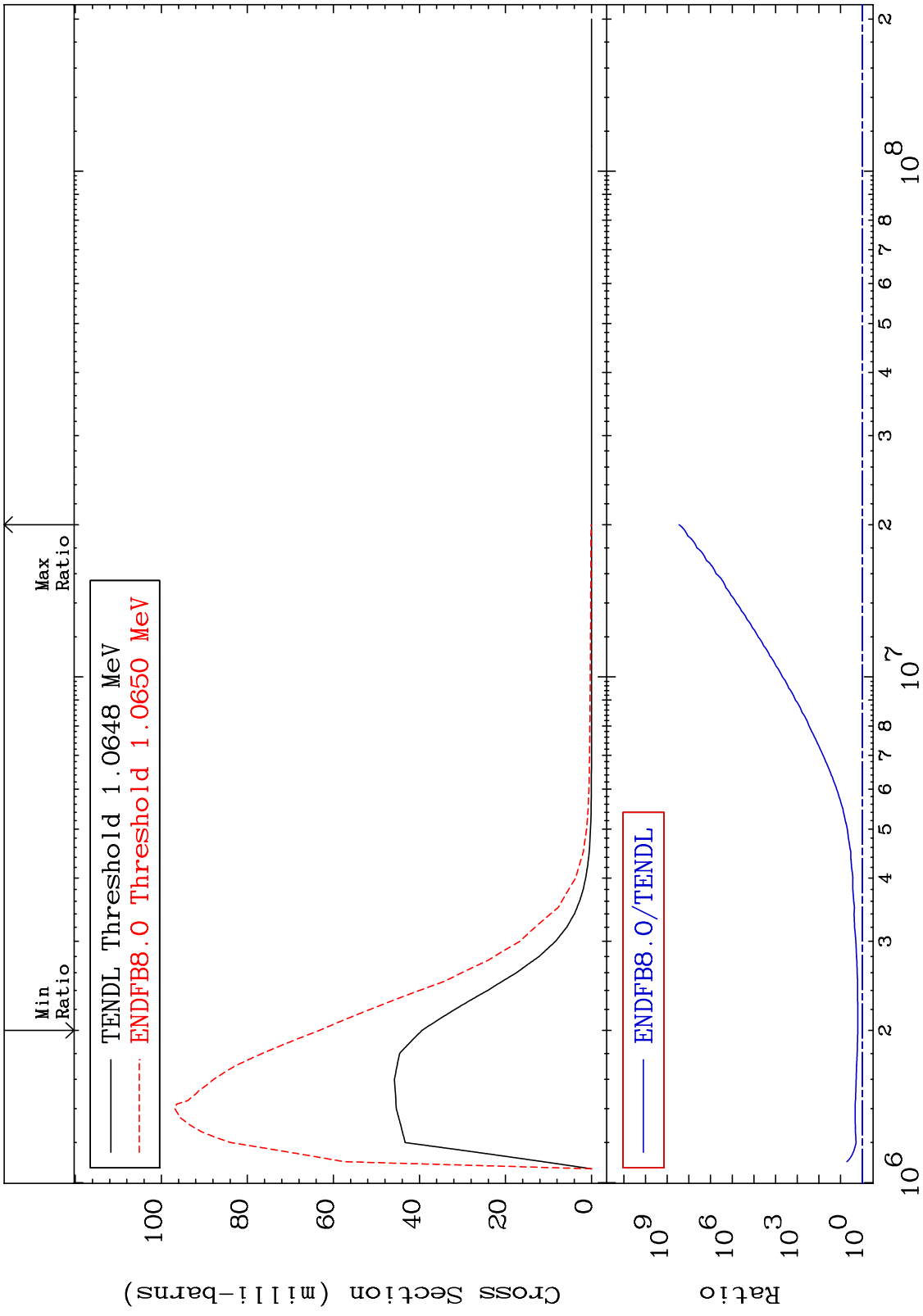
66-Dy-154

MAT 6619      MT= 55 (n,n') Level Cross Section      66-Dy-154  
 -92.43 To 339.4 %



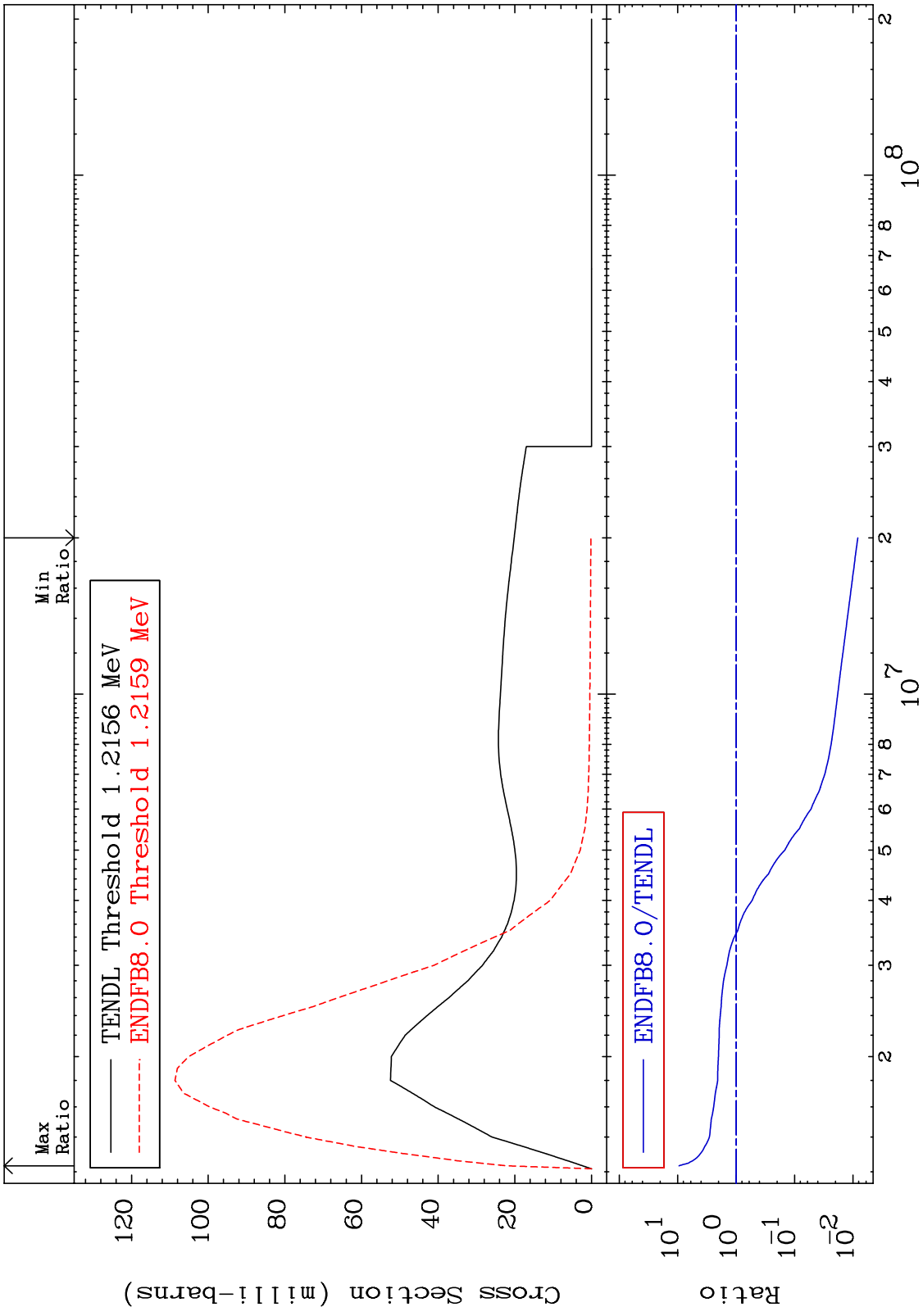
17      Incident Energy (eV)      66-Dy-154

MAT 6619 MT= 56 (n,n') Level Cross Section 66-Dy-154 To 9999. %  
 60.50

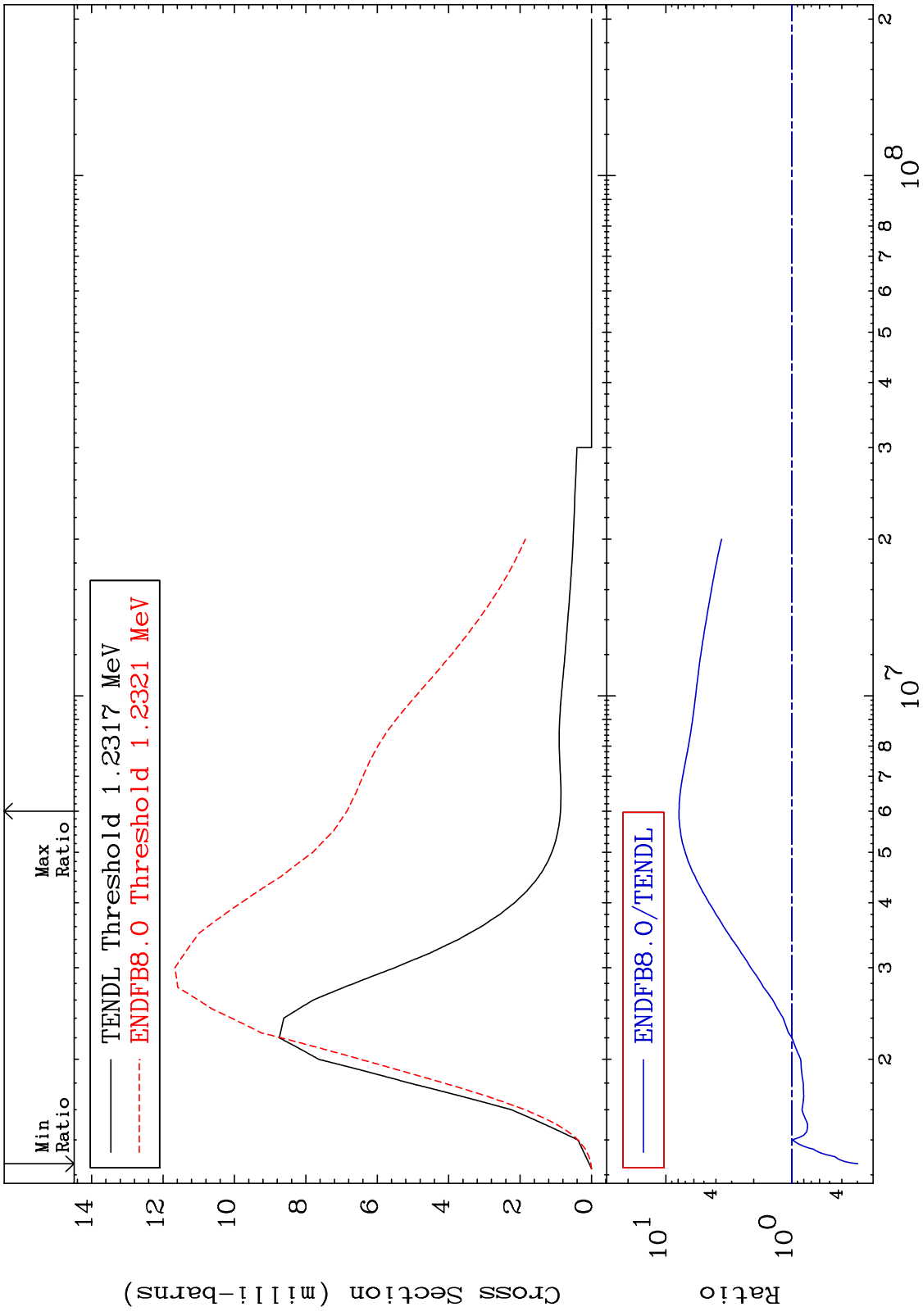


18 Incident Energy (eV) 66-Dy-154

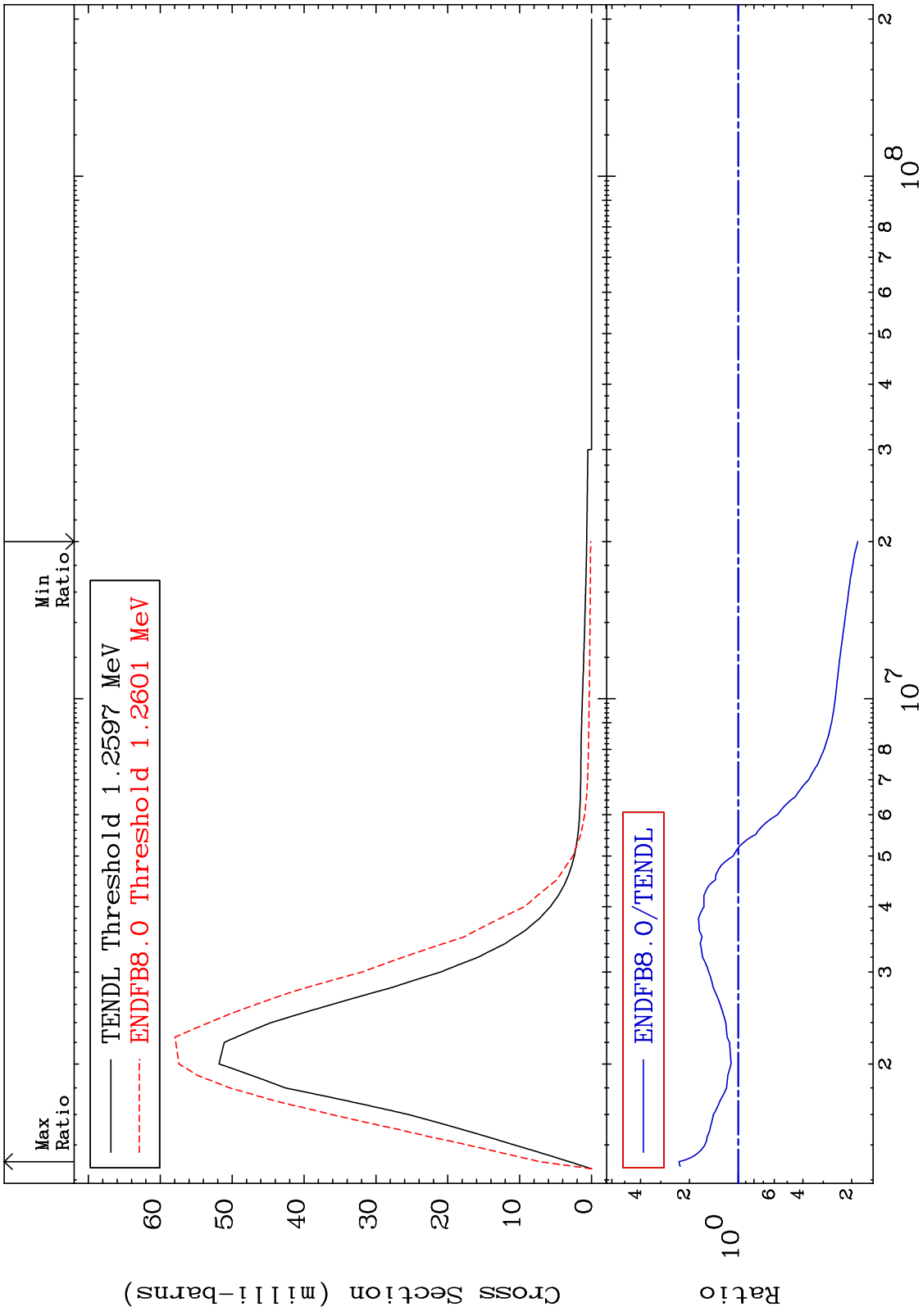
MAT 6619      MT= 57 (n,n') Level Cross Section      66-Dy-154  
 -99.17 To 850.6 %



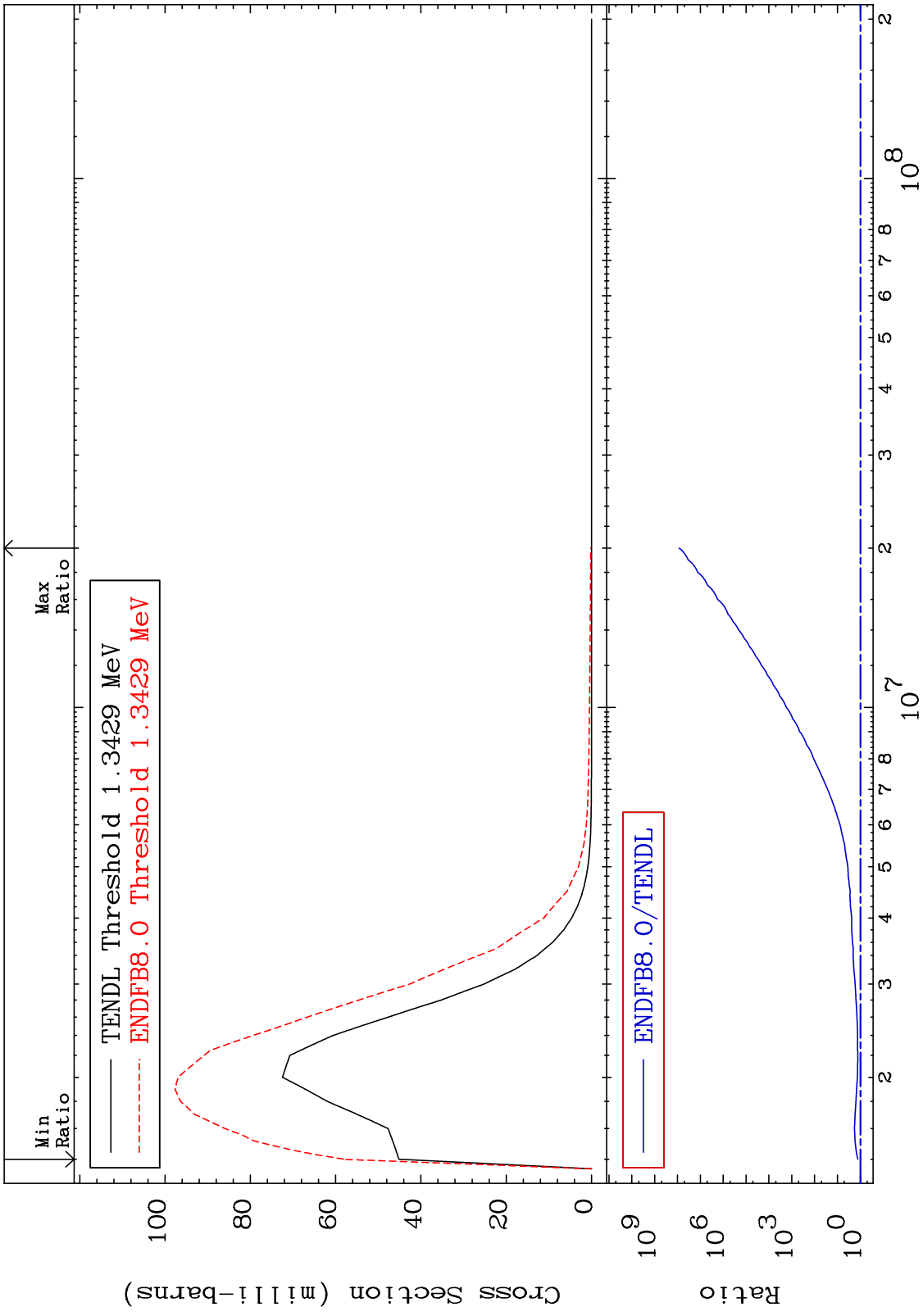
MAT 6619      MT= 58 (n,n') Level Cross Section      66-Dy-154  
 -70.22 To 686.7 %



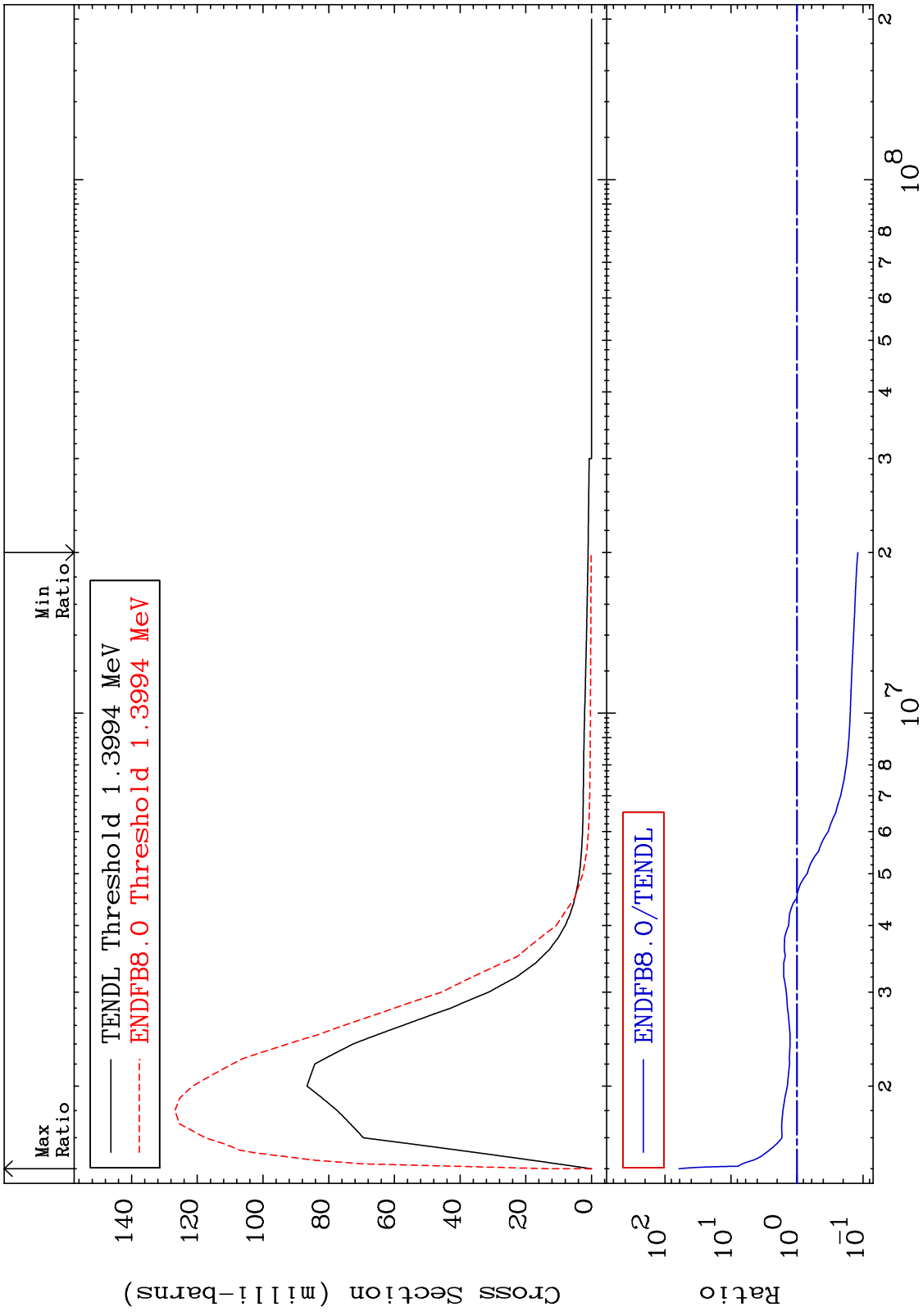
MAT 6619      MT= 59 (n,n') Level Cross Section      66-Dy-154  
 -81.66 To 131.7 %



MAT 6619 MT= 60 (n,n') Level Cross Section 66-Dy-154 28.25 To 9999. %

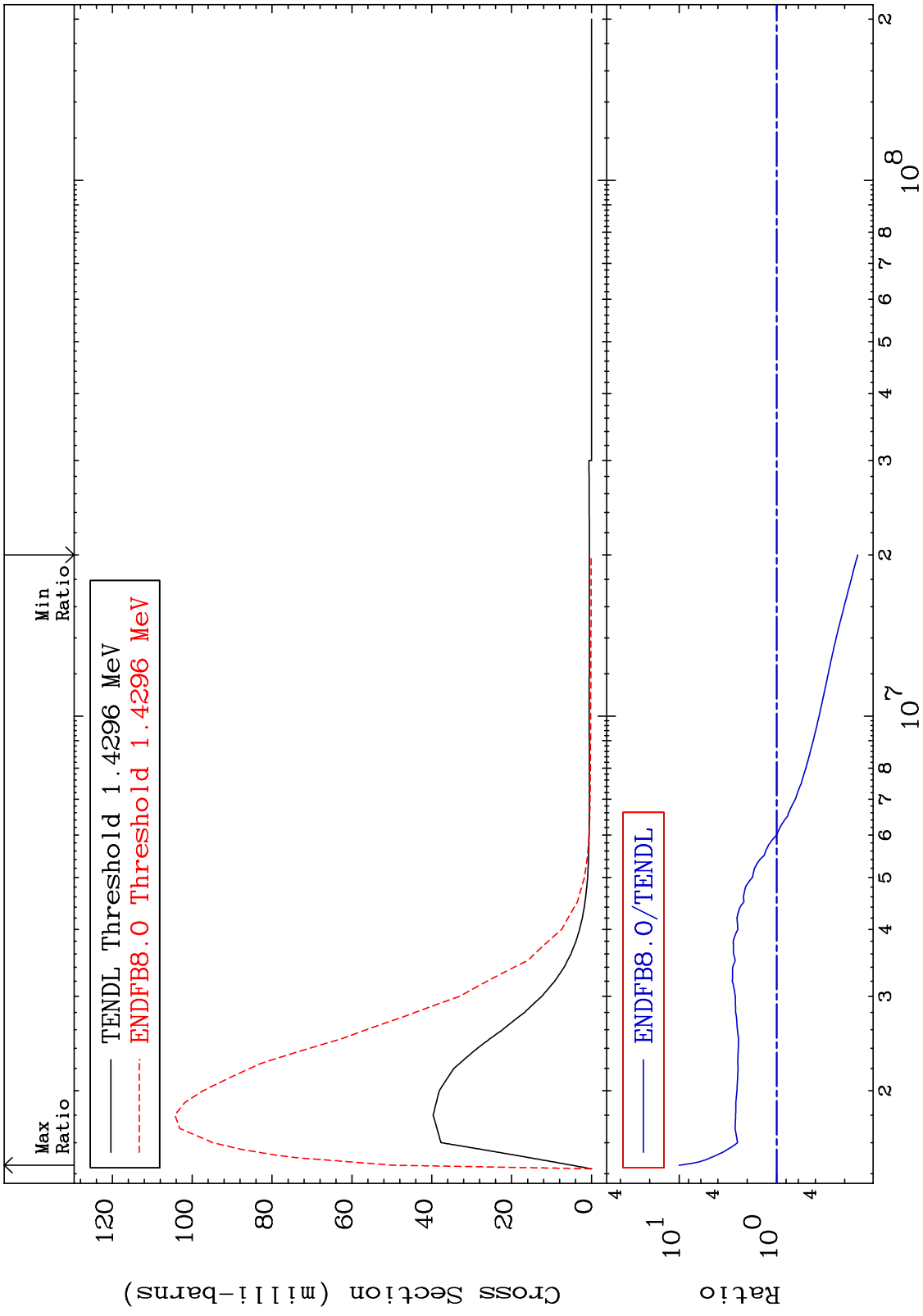


MAT 6619      MT= 61 (n,n') Level      66-Dy-154  
 Cross Section      -87.98 To 6010. %

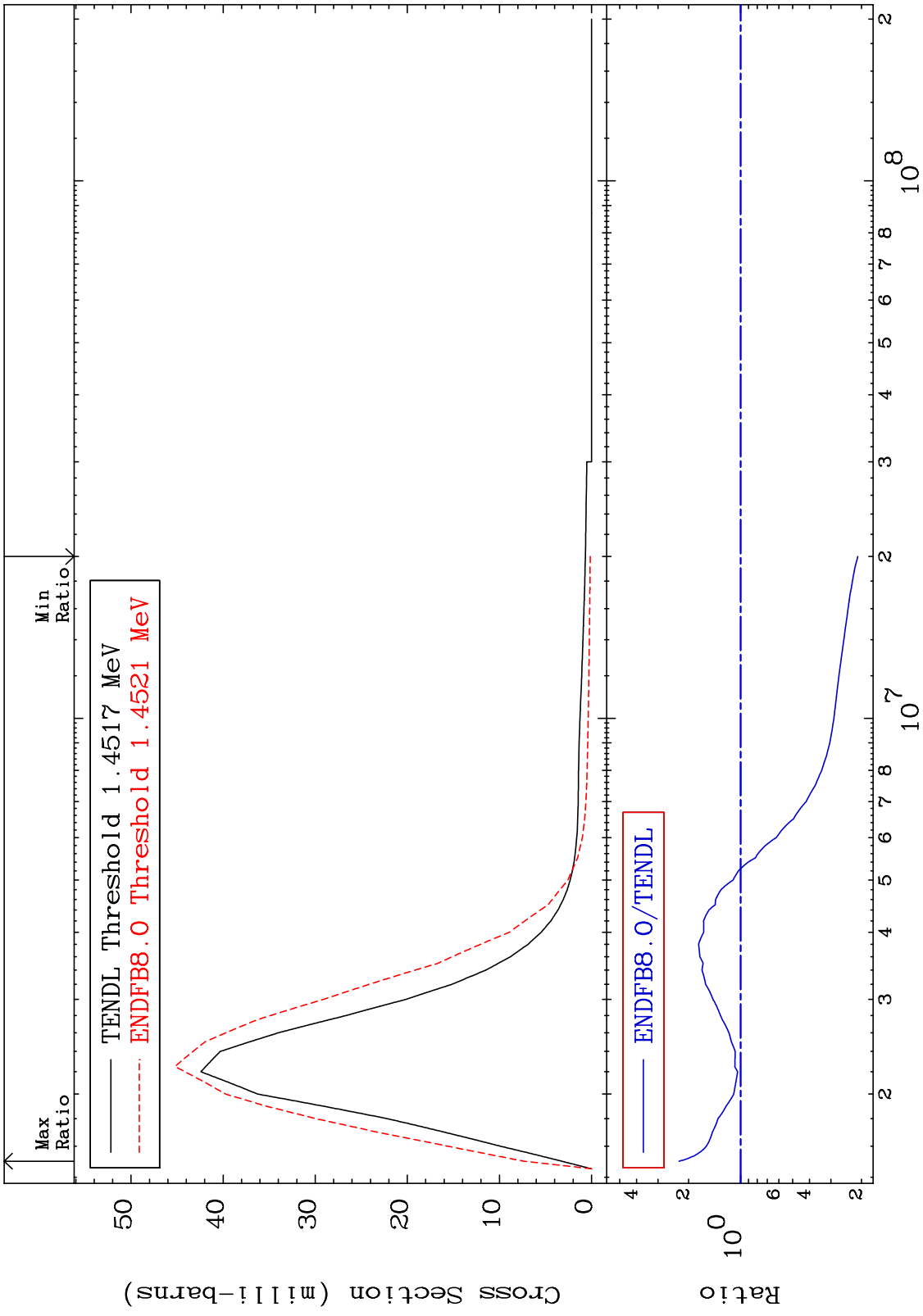




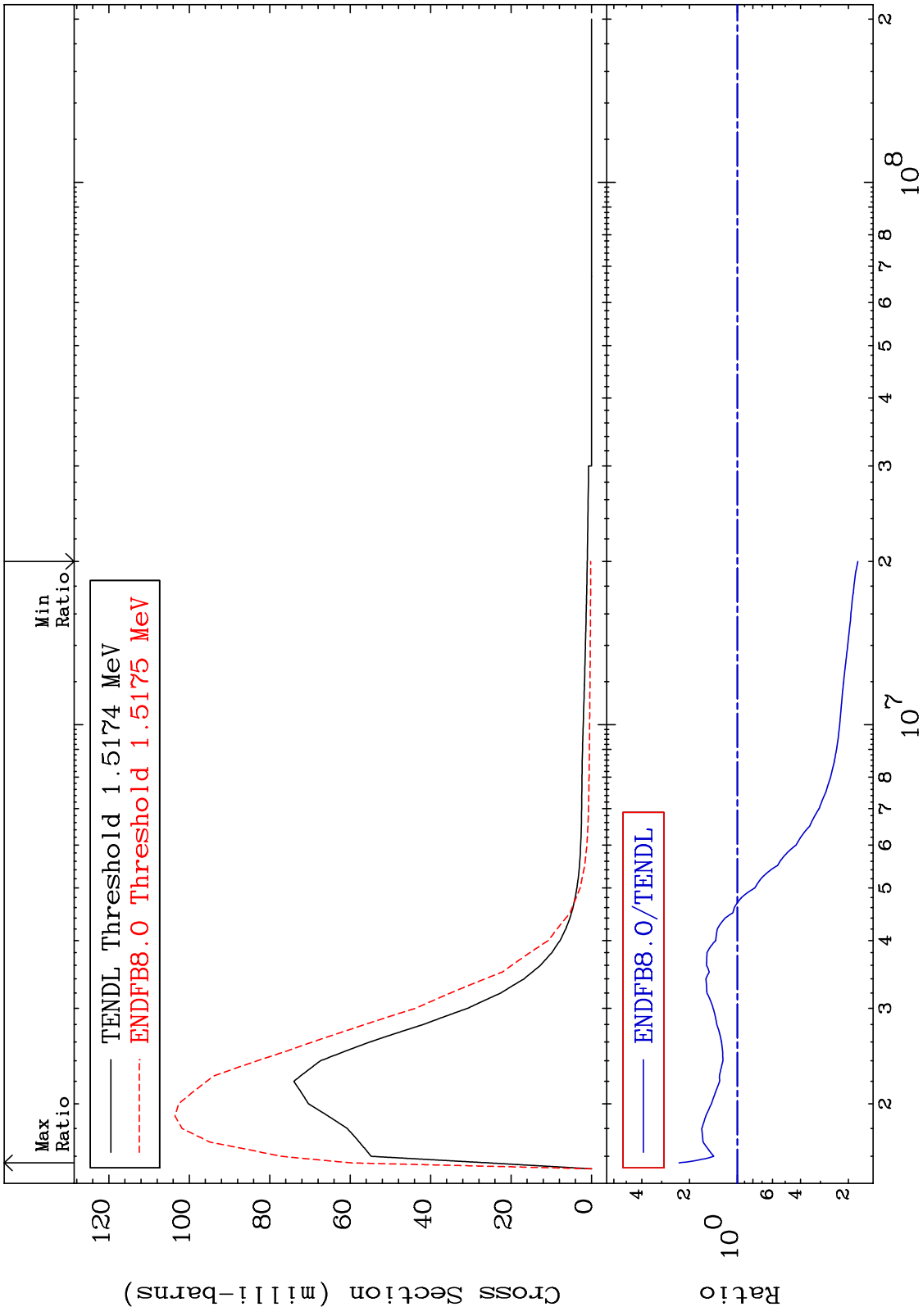
MAT 6619 MT= 62 (n,n') Level Cross Section 66-Dy-154  
 -85.32 To 902.1 %



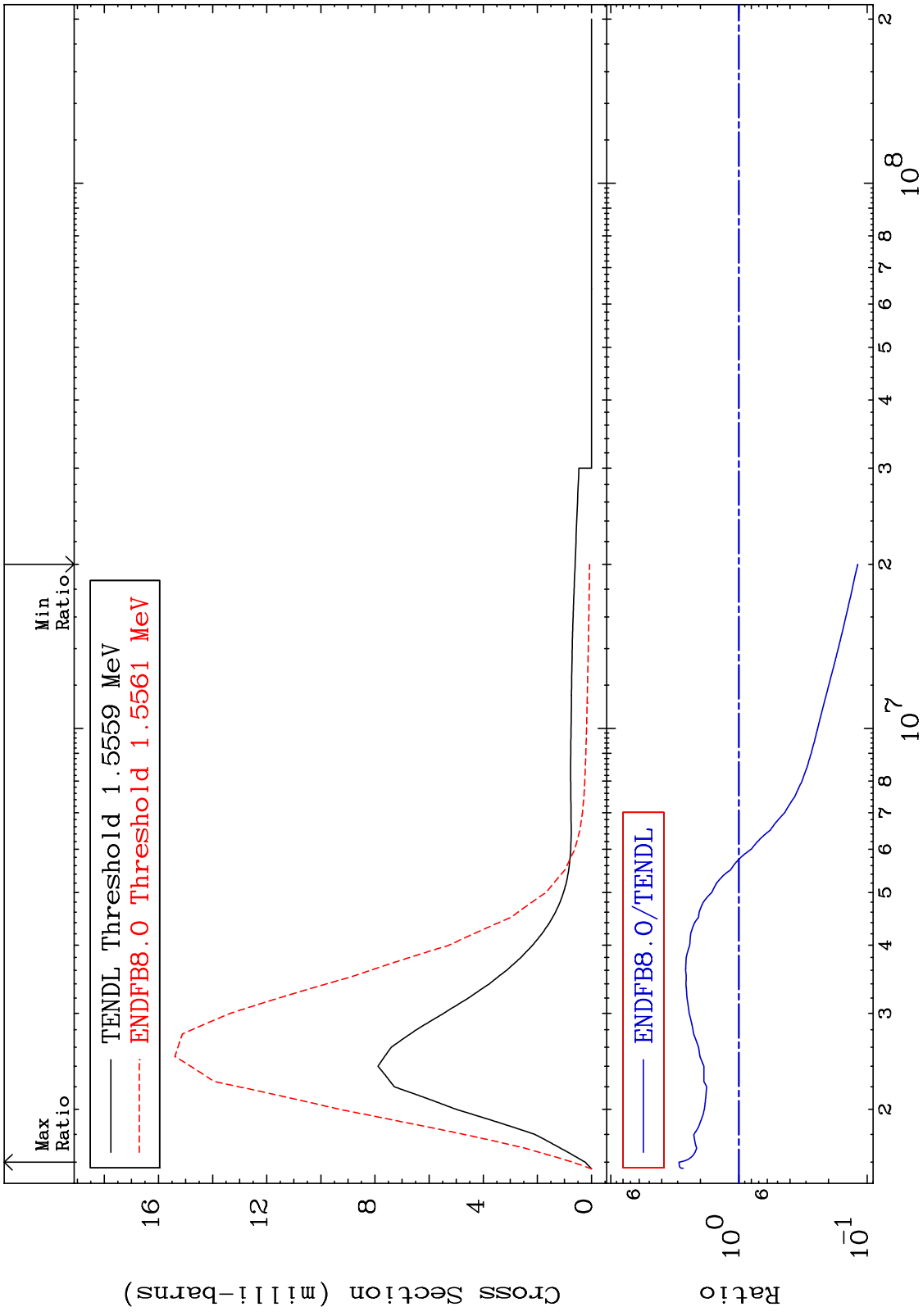
MAT 6619      MT= 63 (n,n') Level      66-Dy-154  
 Cross Section      -79.02 To 126.9 %



MAT 6619 MT= 64 (n,n') Level Cross Section 66-Dy-154  
 -82.56 To 133.0 %



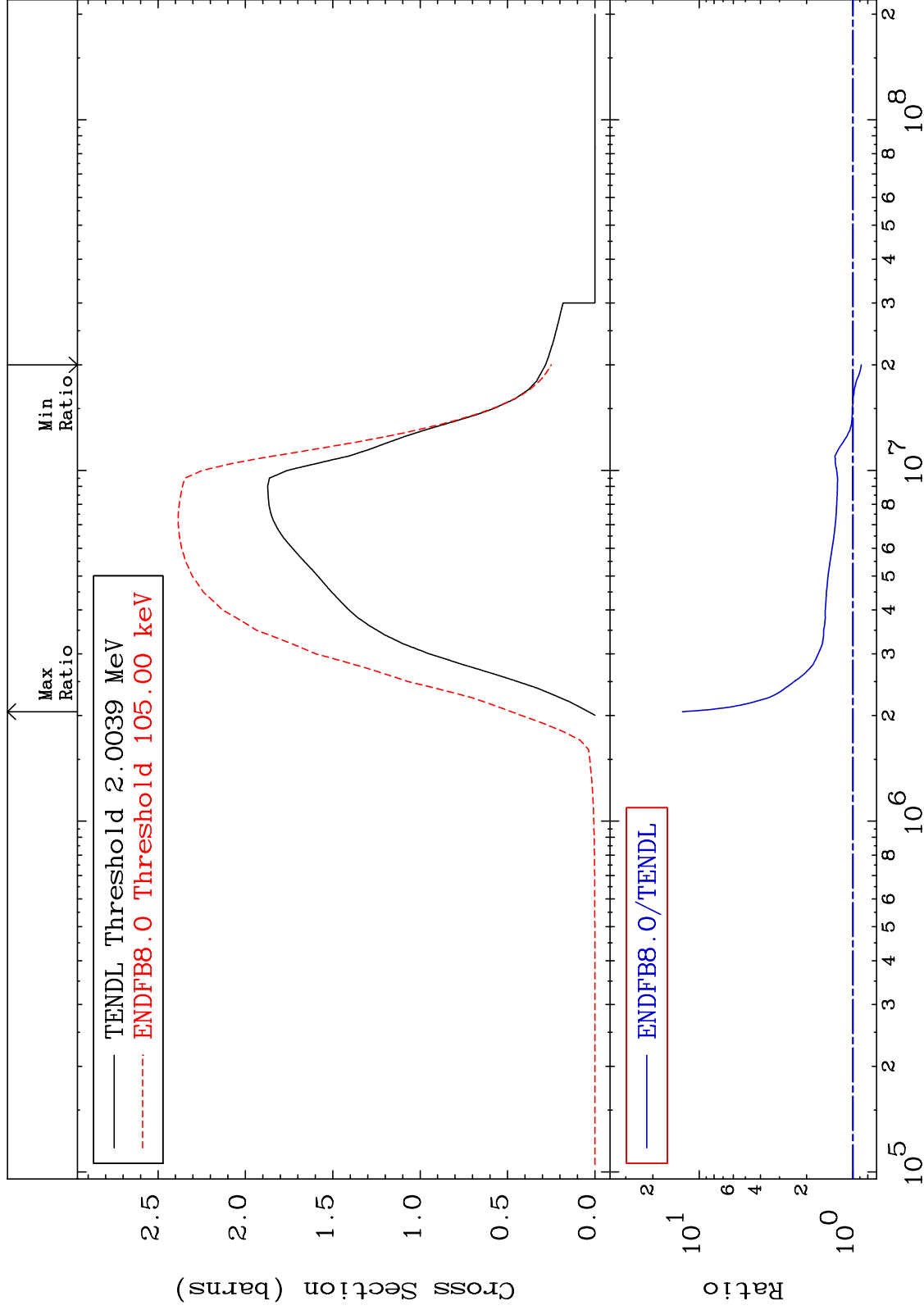
MAT 6619 MT= 65 (n,n') Level Cross Section 66-Dy-154 -88.17 To 193.0 %



MAT 6619

(n, n') Continuum  
Cross Section

66-Dy-154  
-11.72 To 1183. %



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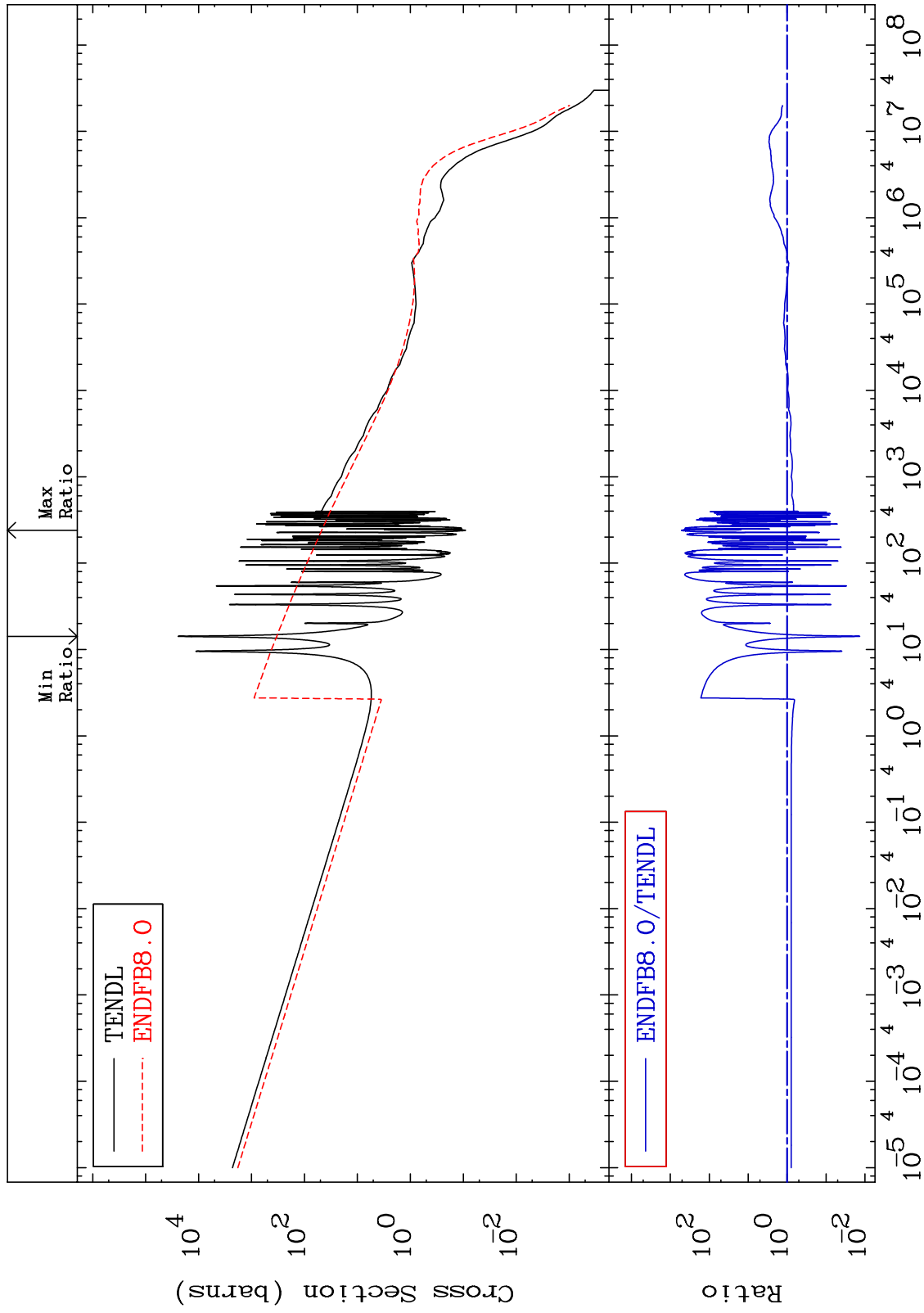
Incident Energy (eV)

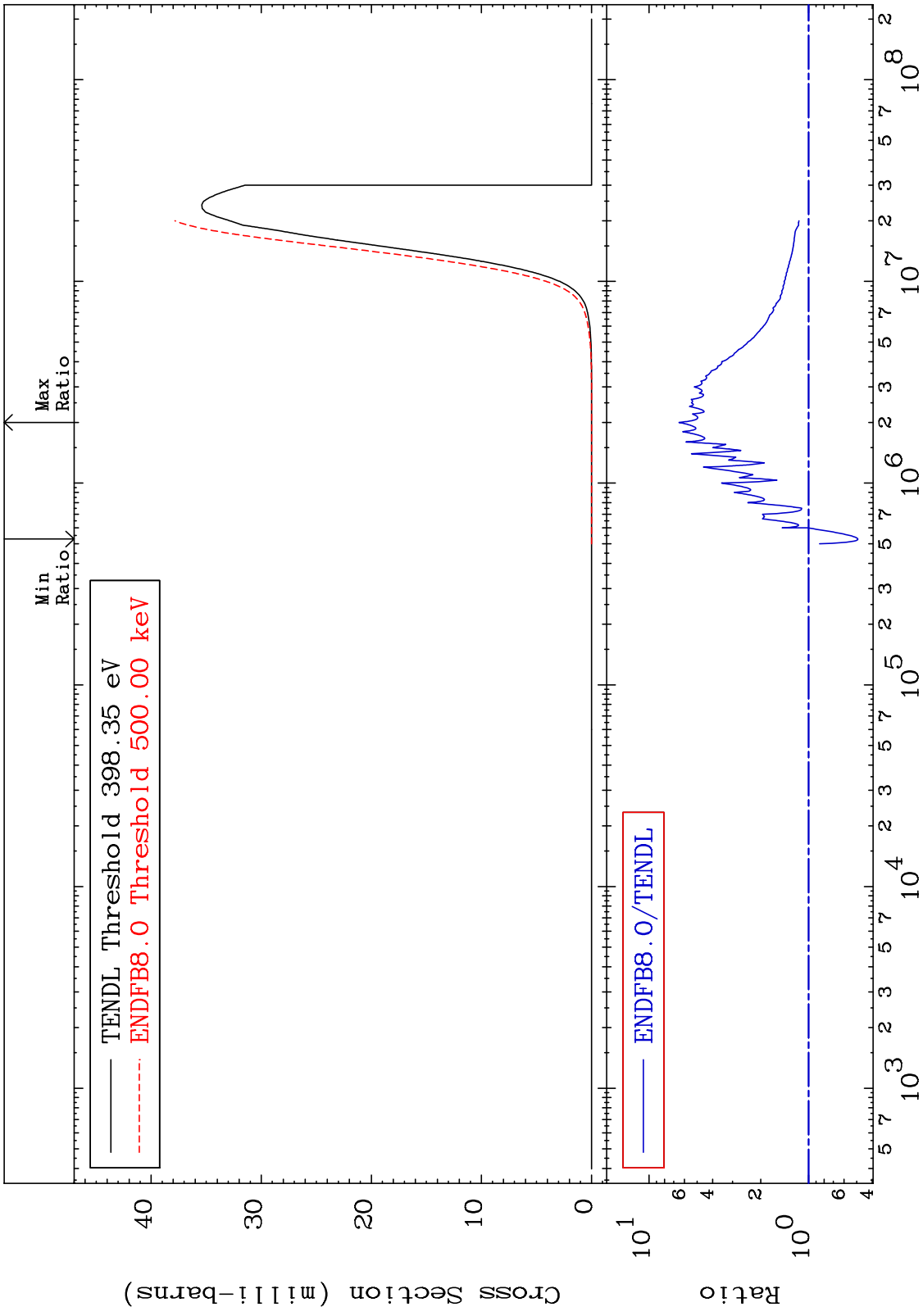
66-Dy-154

MAT 6619

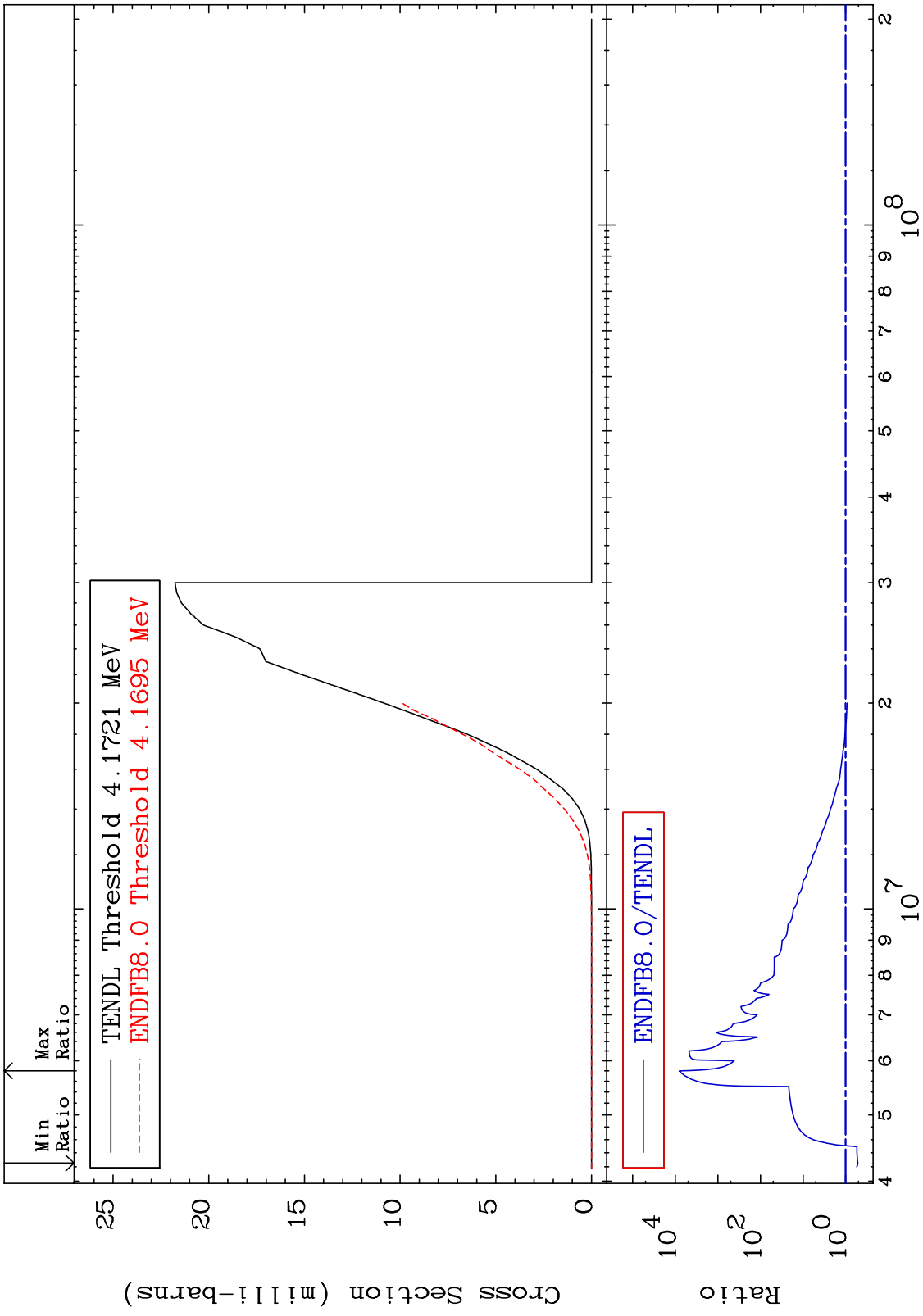
(n,  $\gamma$ )  
Cross Section

66-Dy-154  
-98.64 To 9999. %

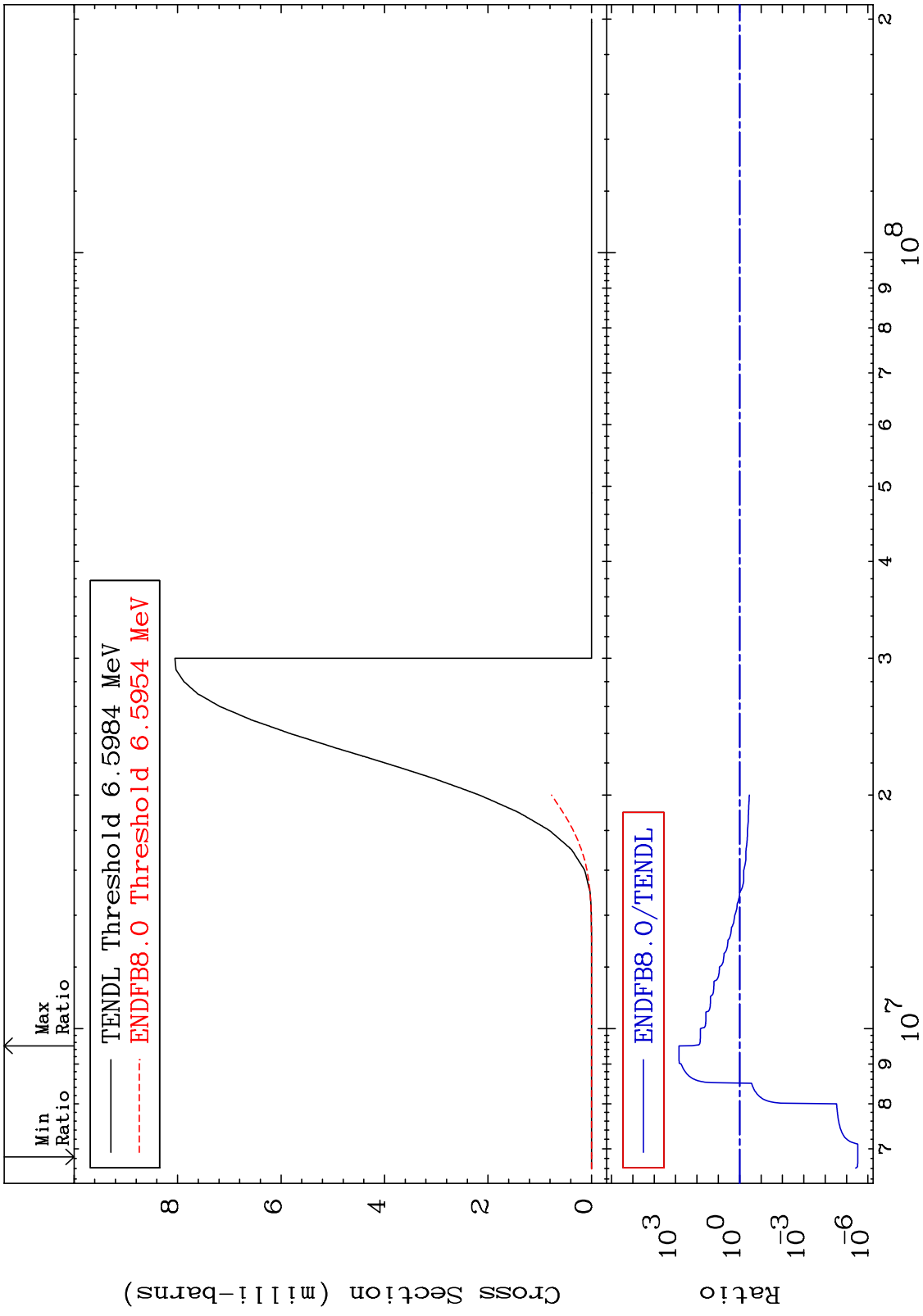


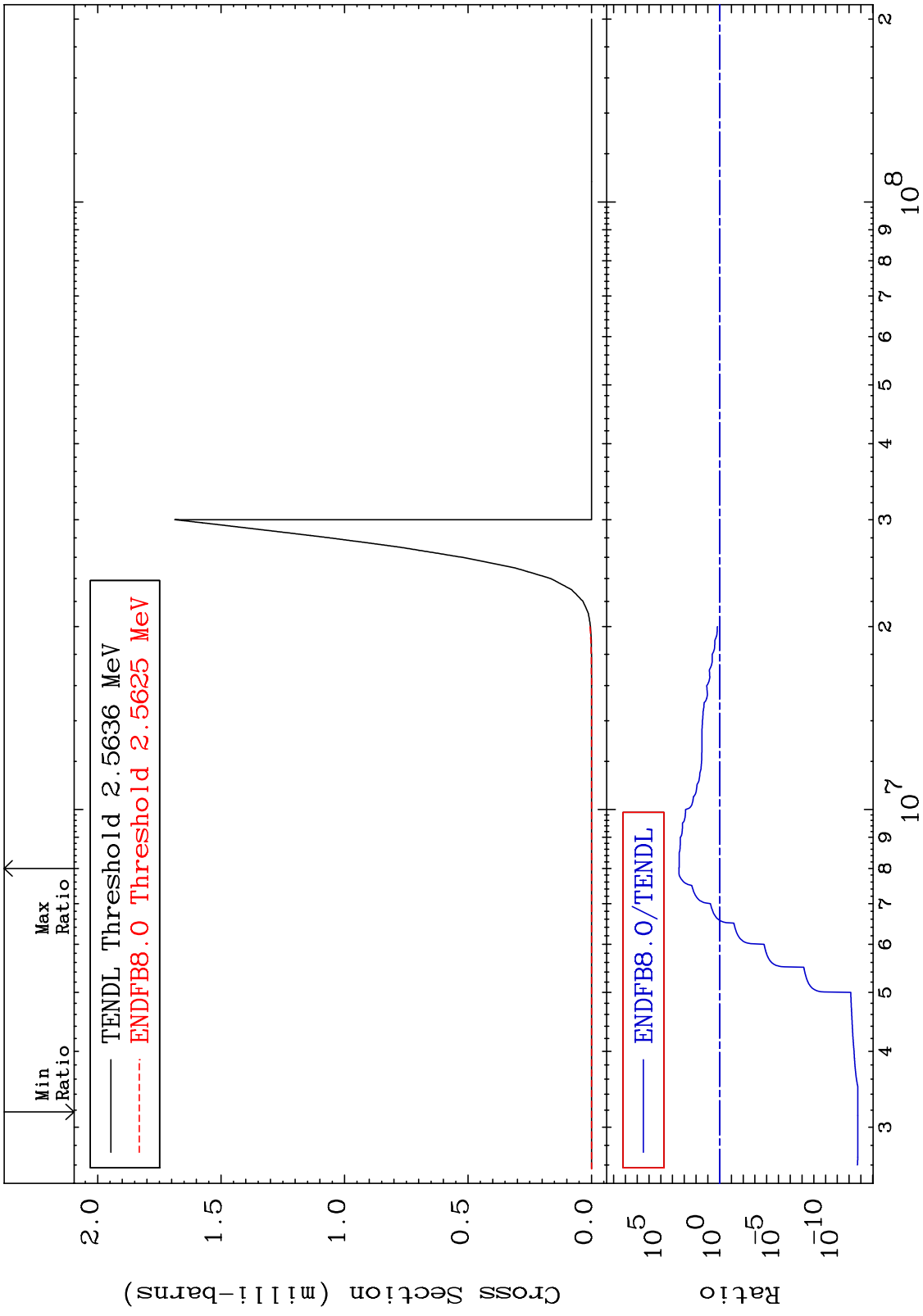


MAT 6619 (n,d) Cross Section 66-Dy-154  
 -48.31 To 9999. %

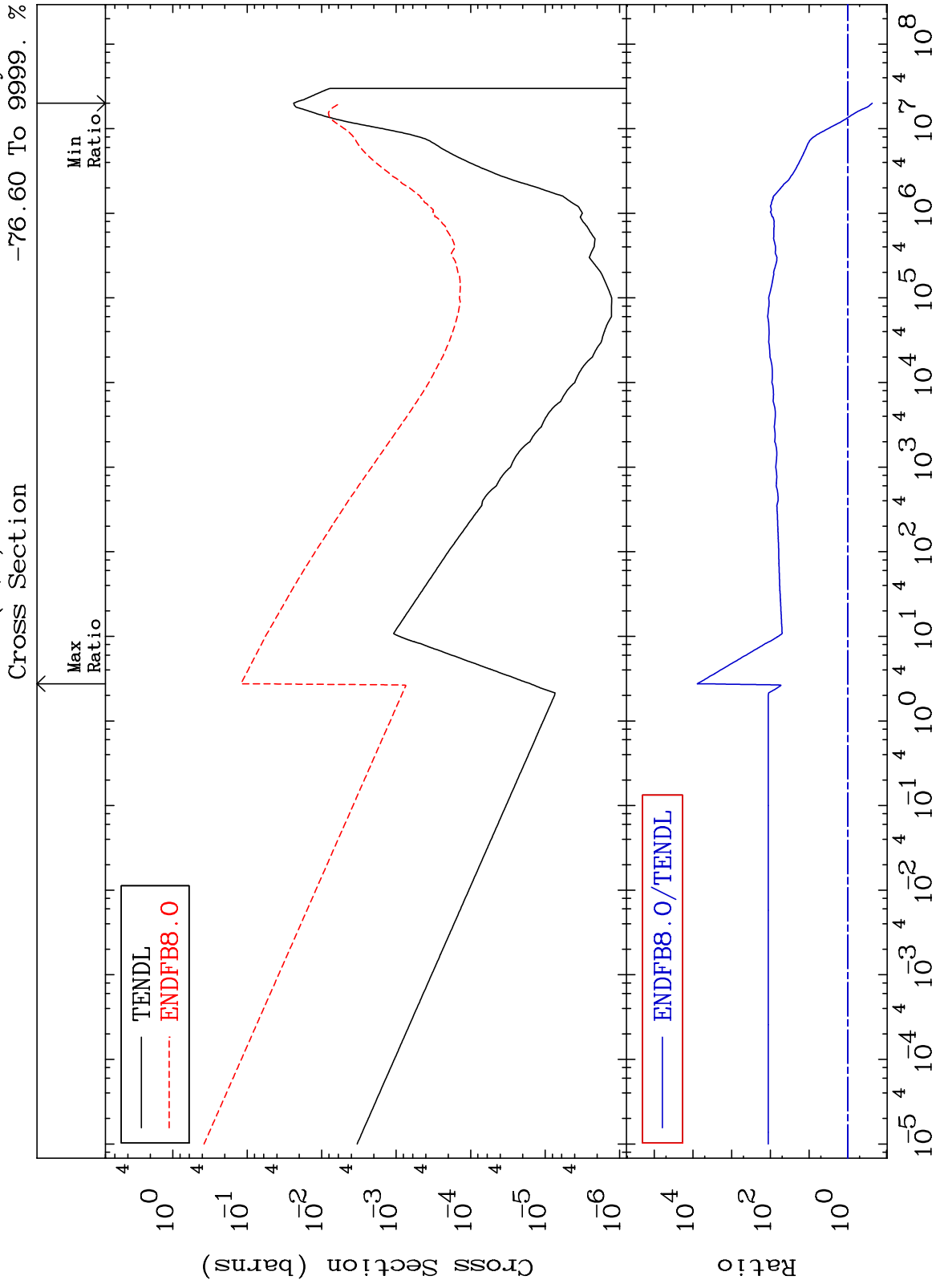








MAT 6619  $(n, \alpha)$  66-Dy-154 -76.60 To 9999. %



66-Dy-154

Incident Energy (eV)

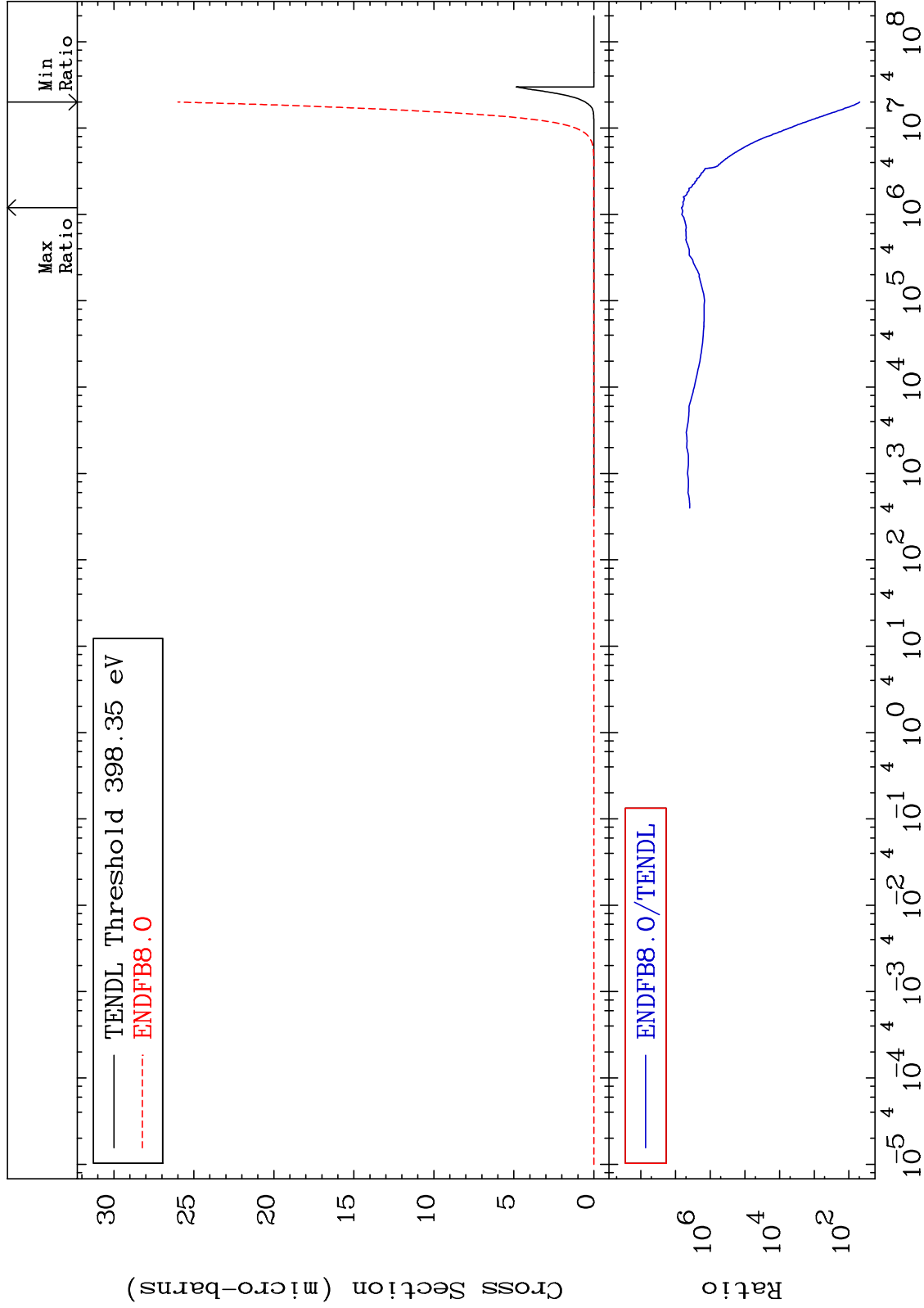
MAT 6619

(n,2α)

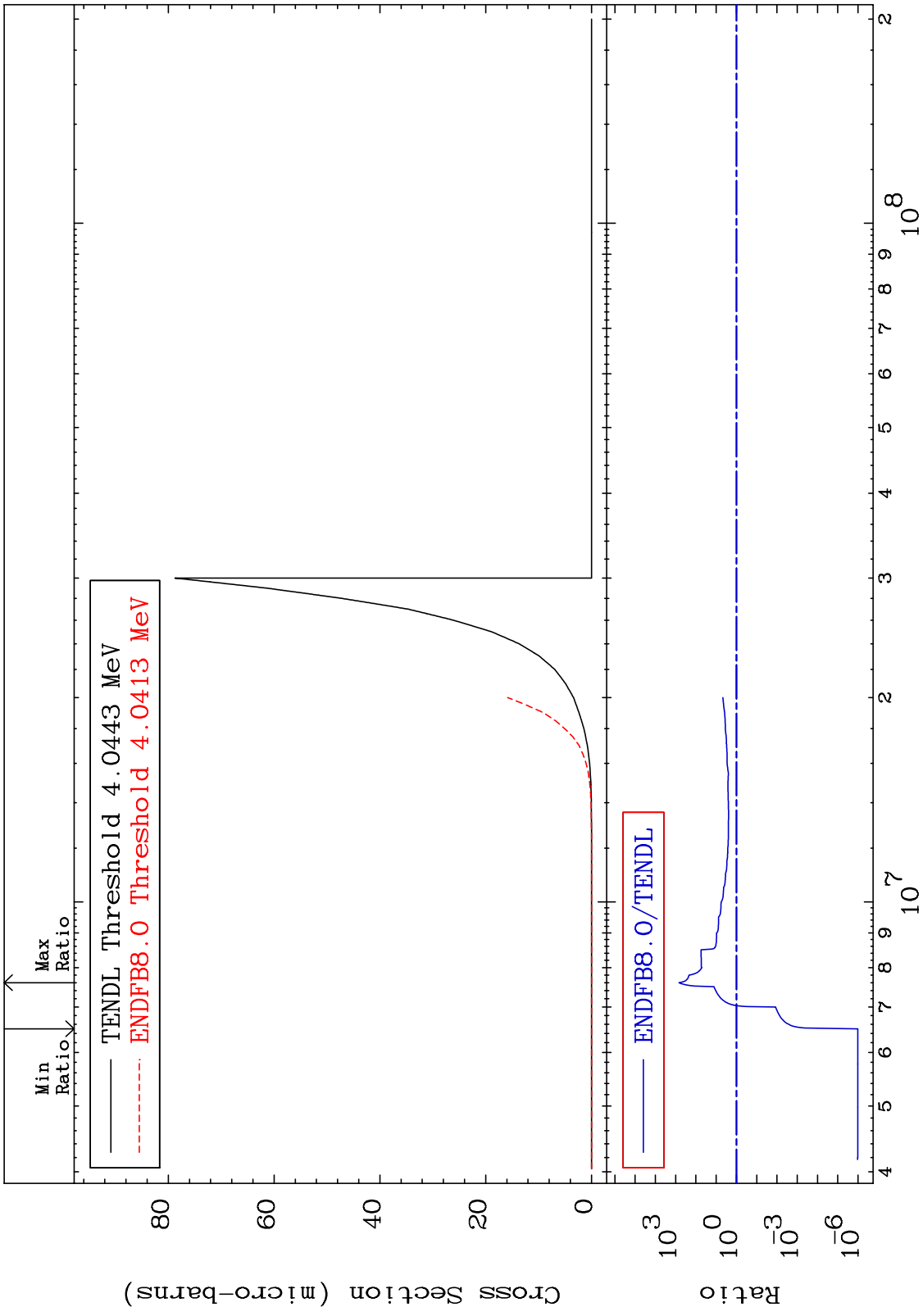
Cross Section

66-Dy-154

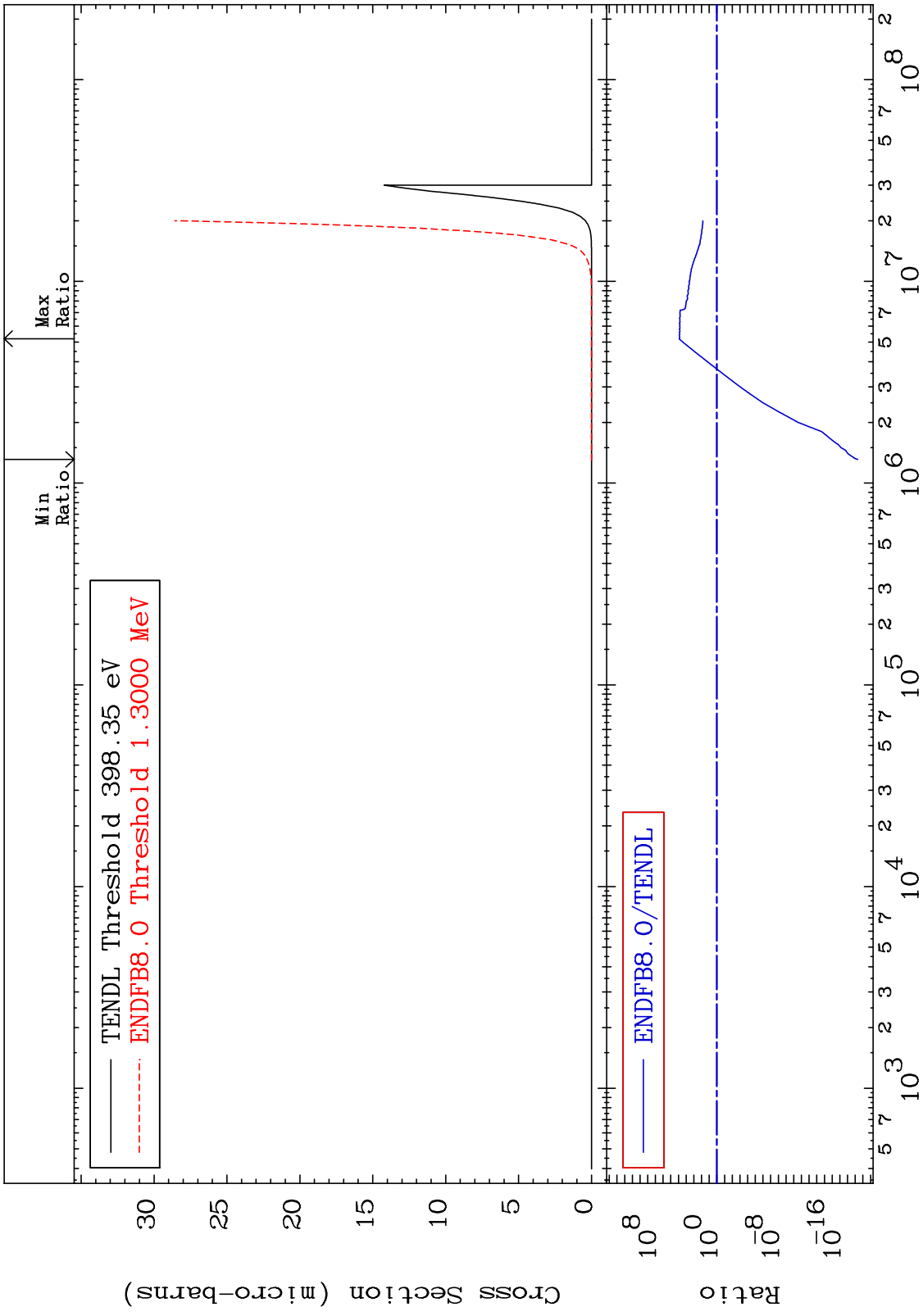
4758. To 9999. %



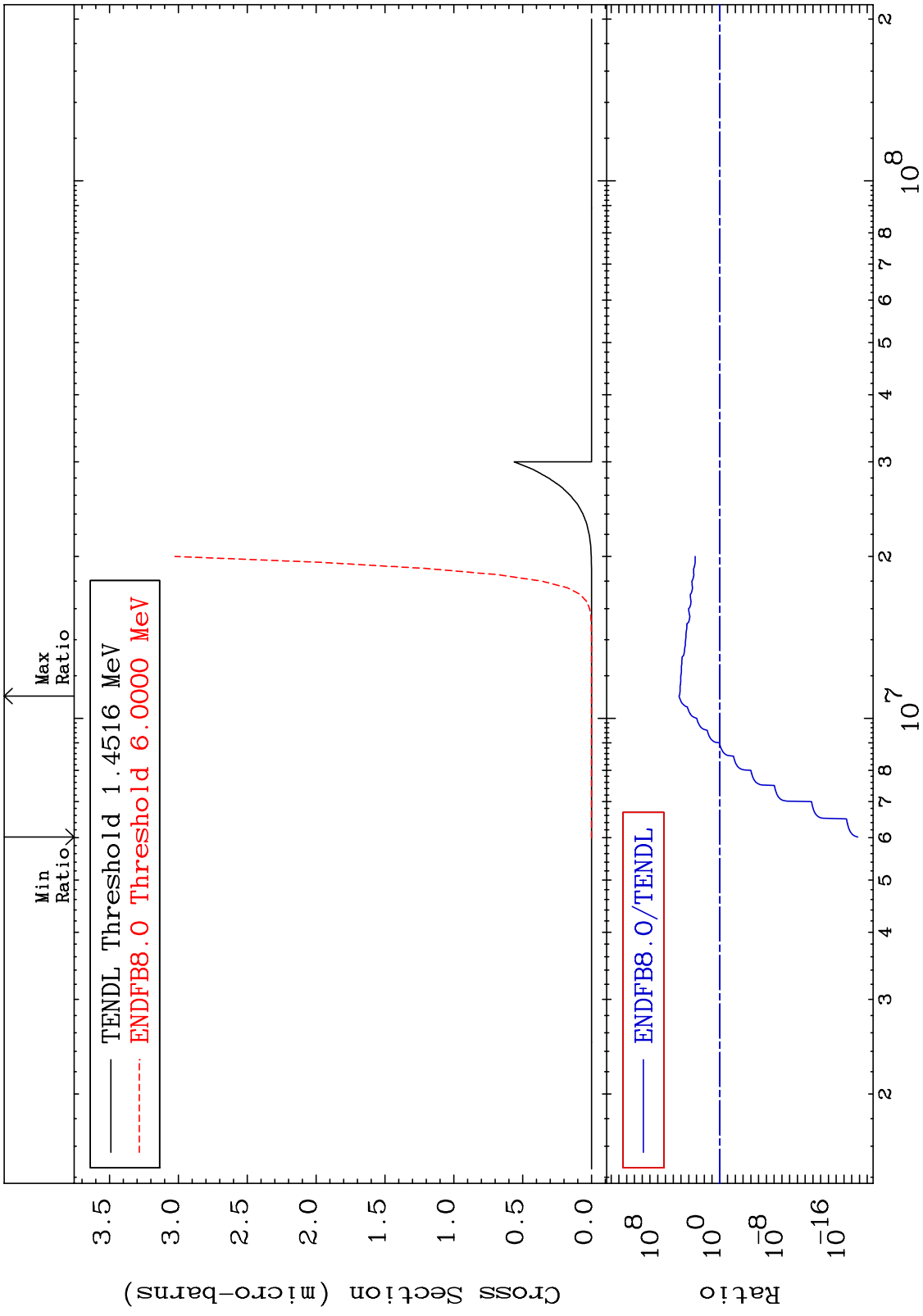
MAT 6619 (n,2p) Cross Section 66-Dy-154 -100.0 To 9999. %

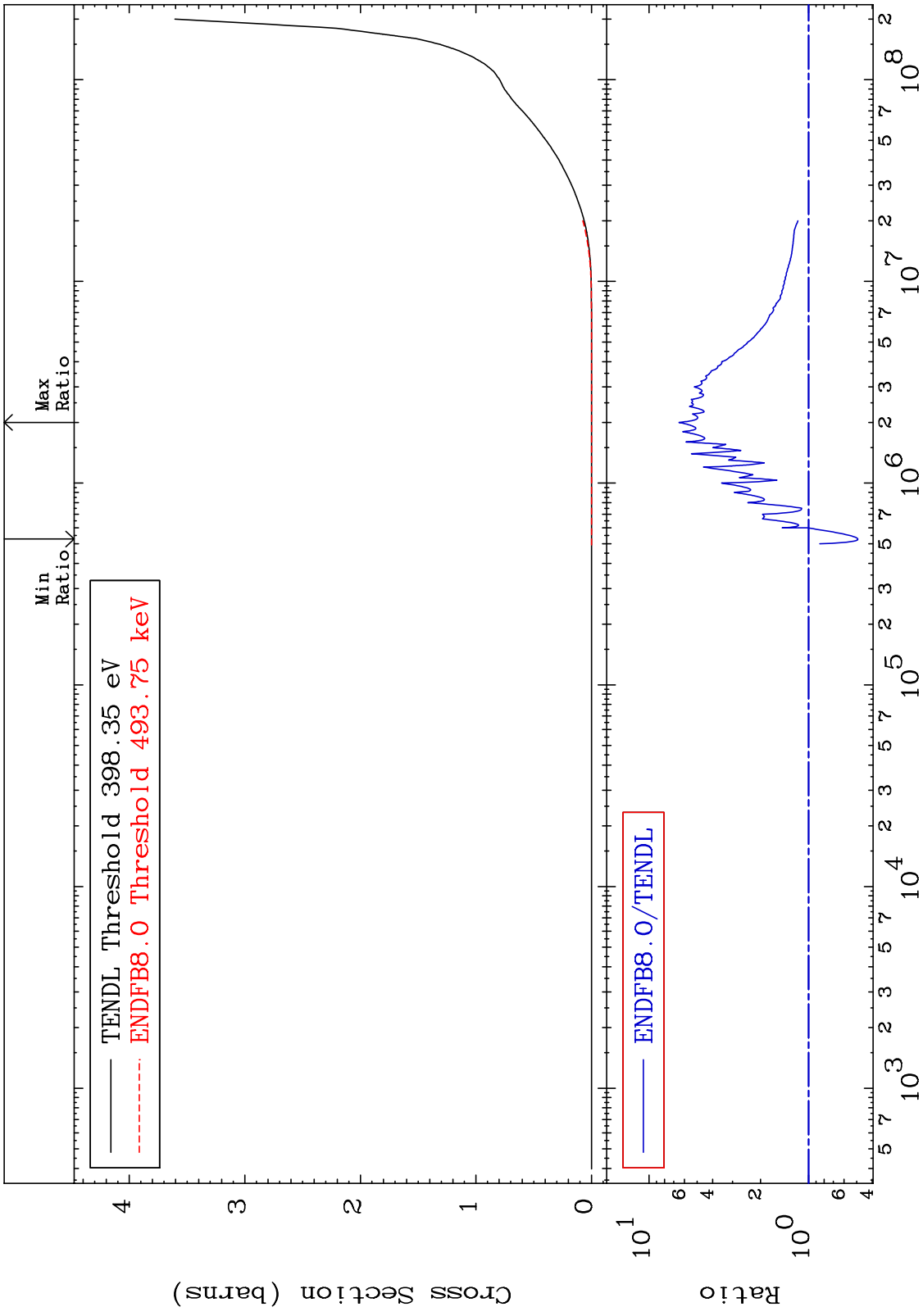


MAT 6619  $(n,p) \alpha$  66-Dy-154  
 Cross Section -100.0 To 9999. %



MAT 6619 (n,d)  $\alpha$  66-Dy-154  
-100.0 To 9999. %



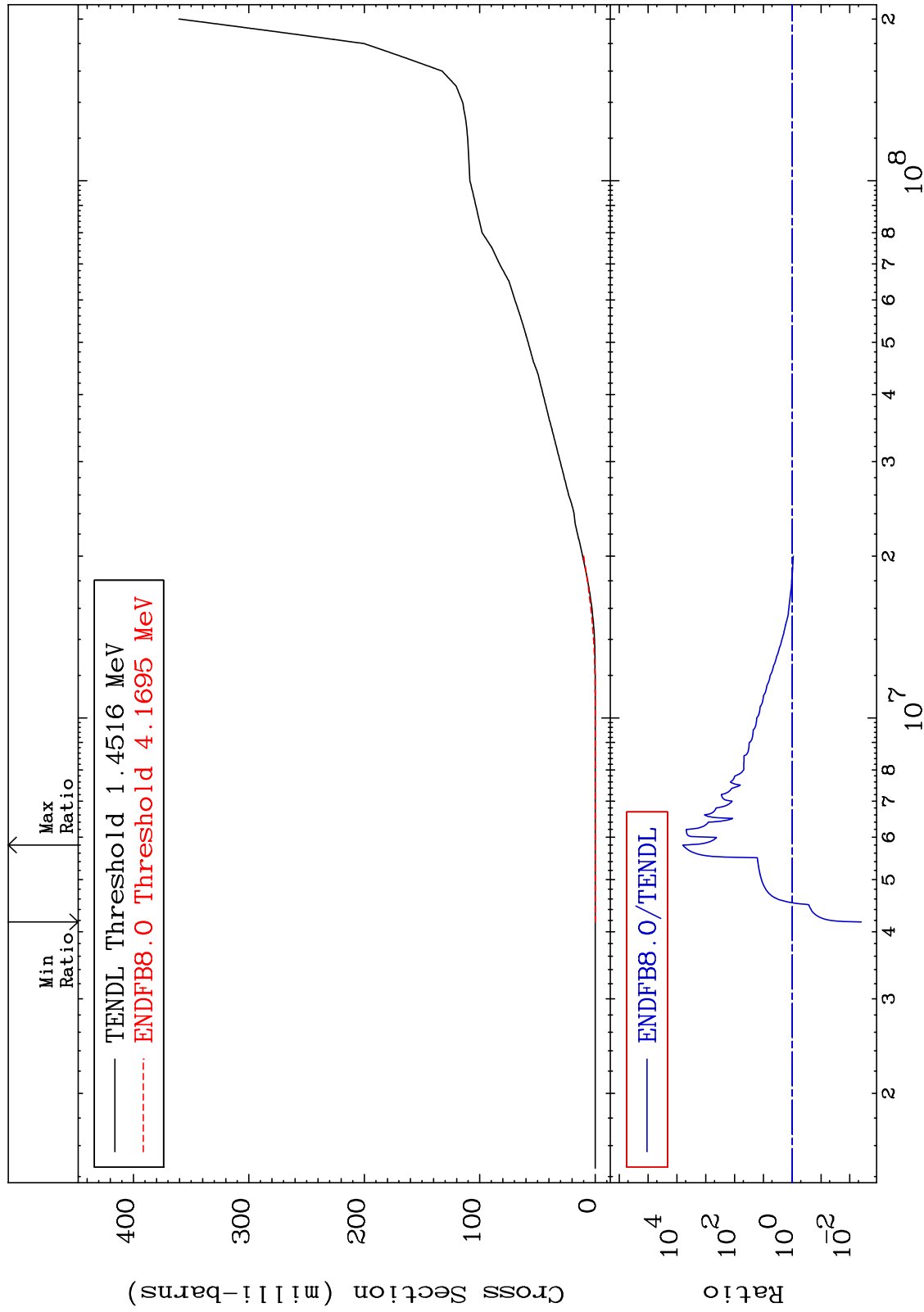


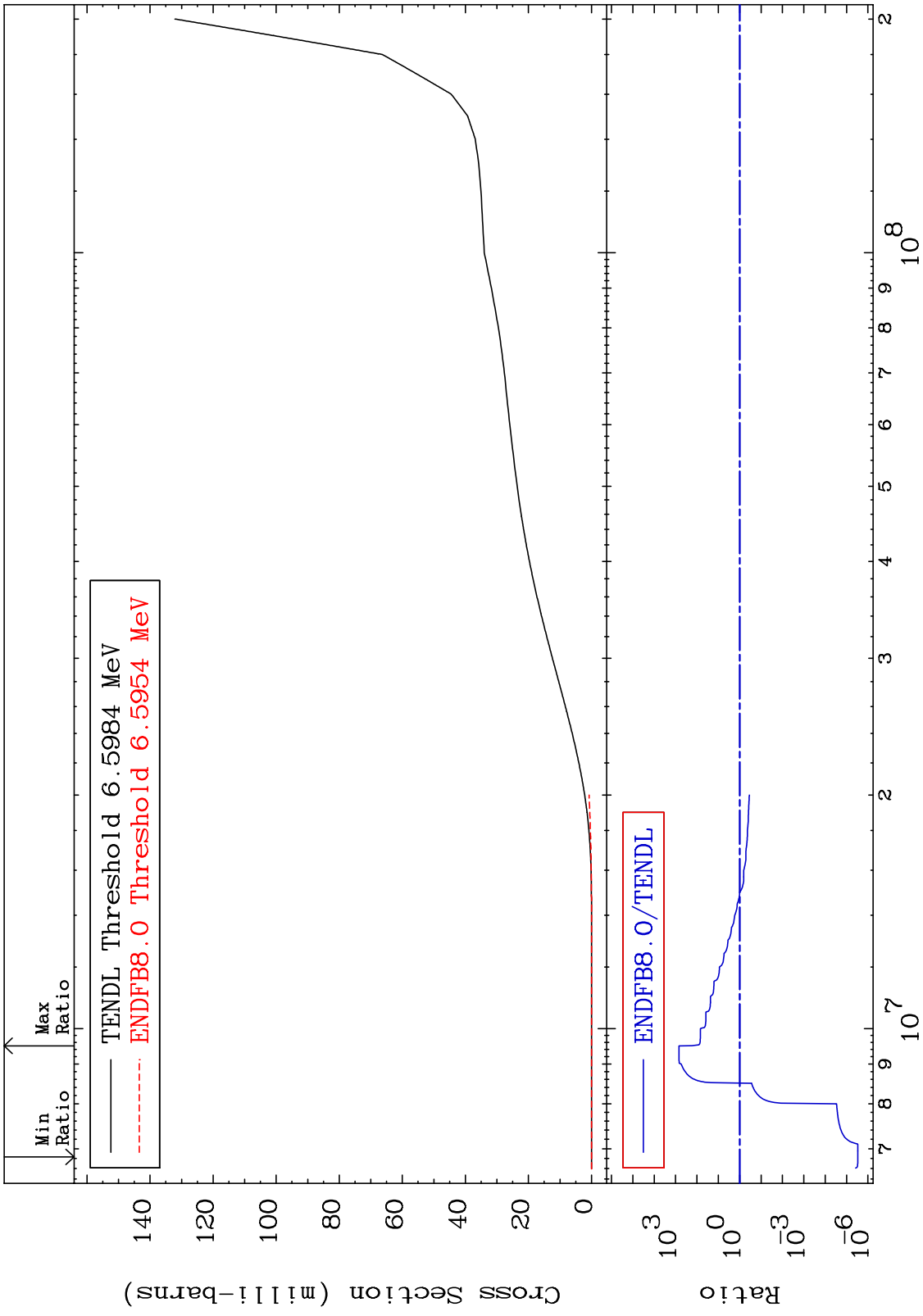


MAT 6619

### Deuterium Production Cross Section

66-Dy-154  
-99.60 To 9999. %

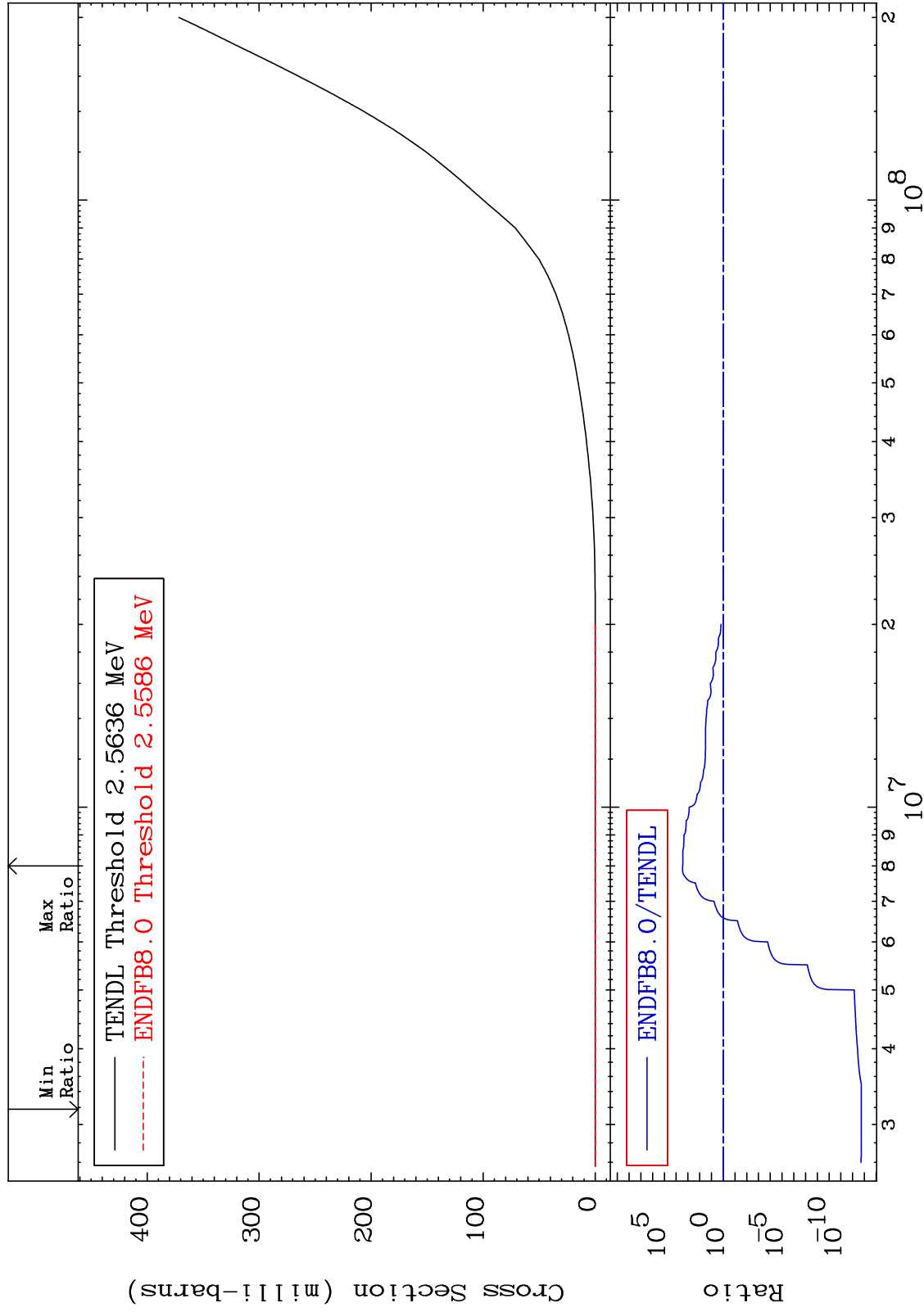




MAT 6619

He-3 Production  
Cross Section

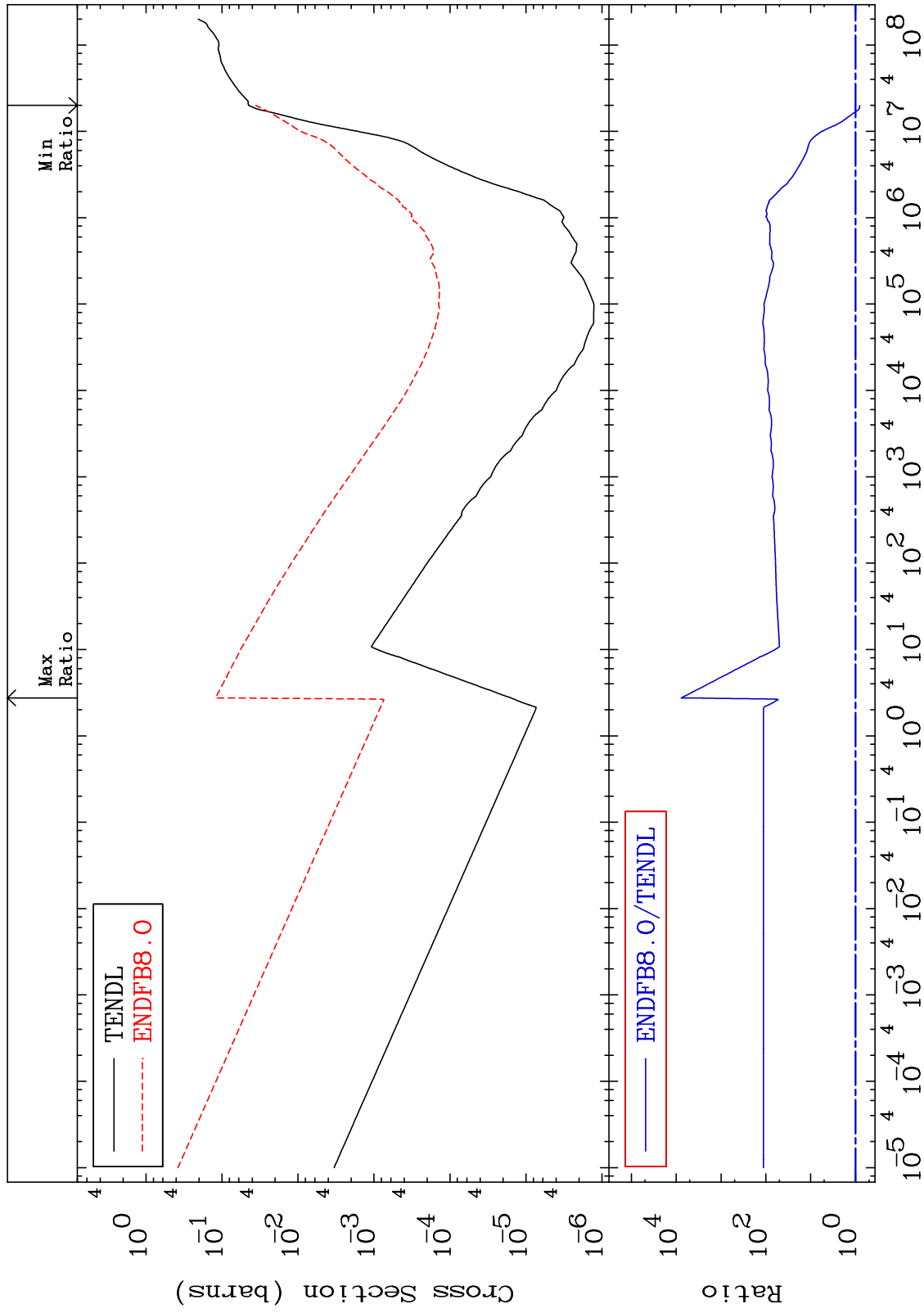
66-Dy-154  
-100.0 To 9999. %



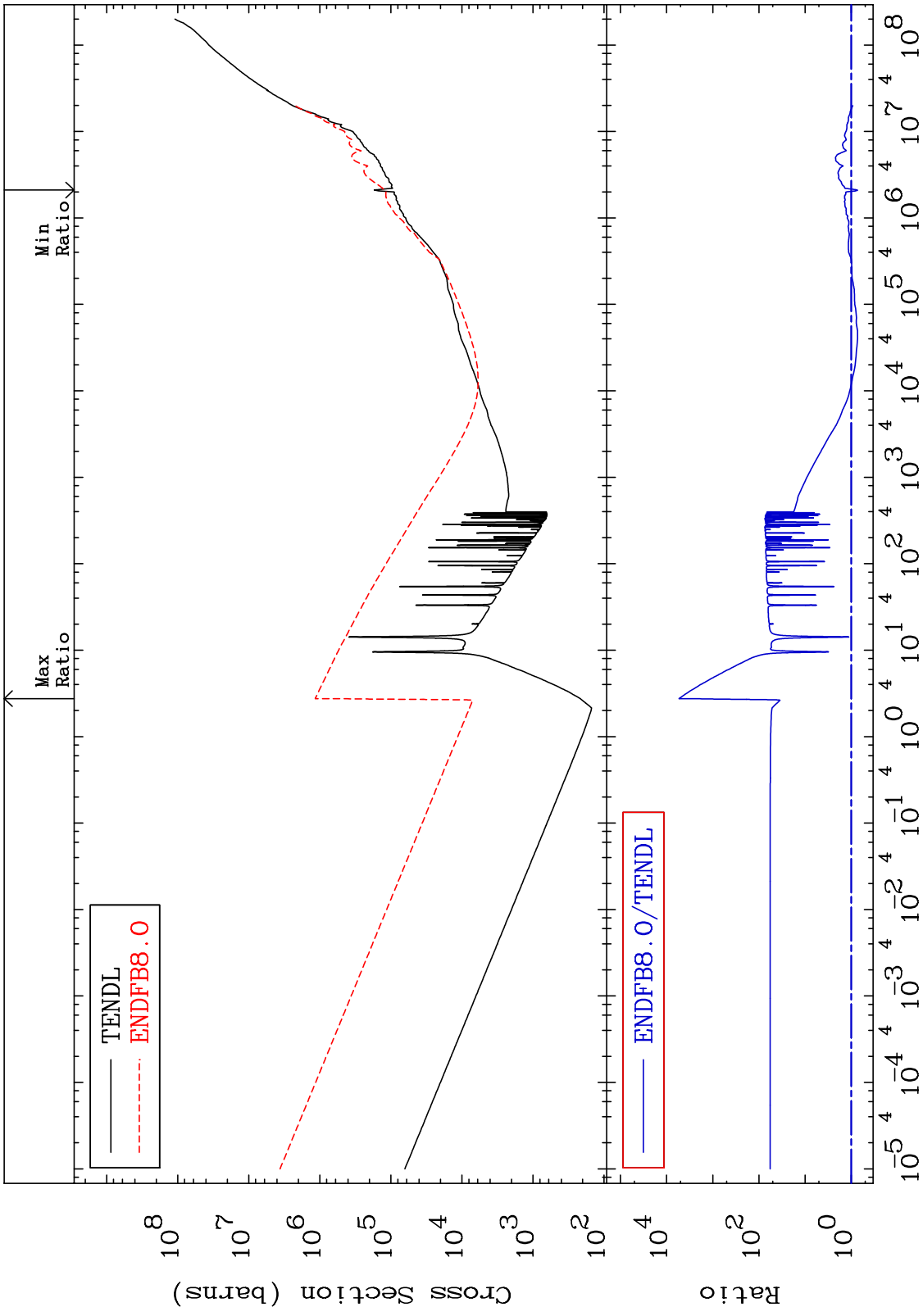
MAT 6619

He-4 Production  
Cross Section

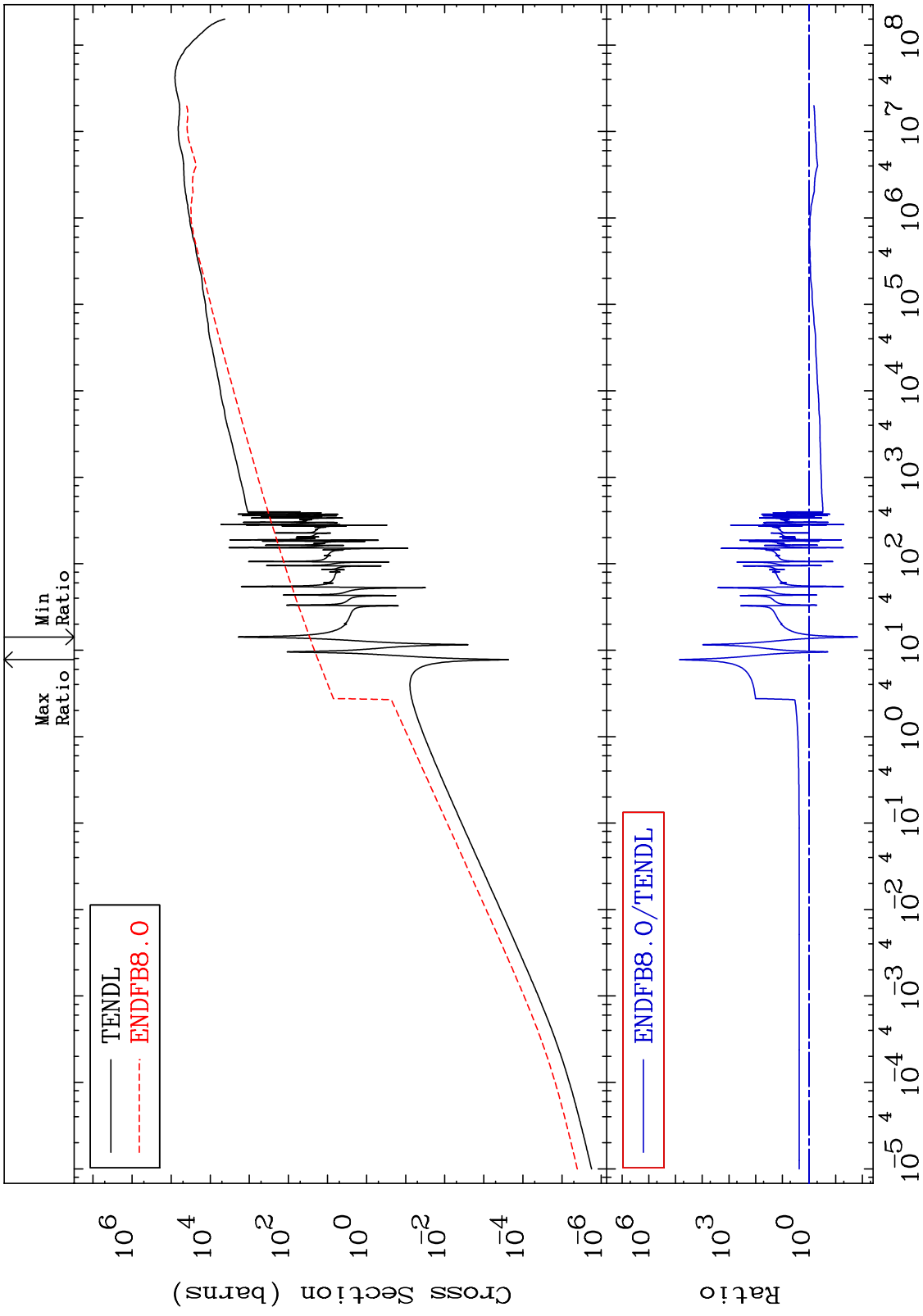
66-Dy-154  
-19.50 To 9999. %



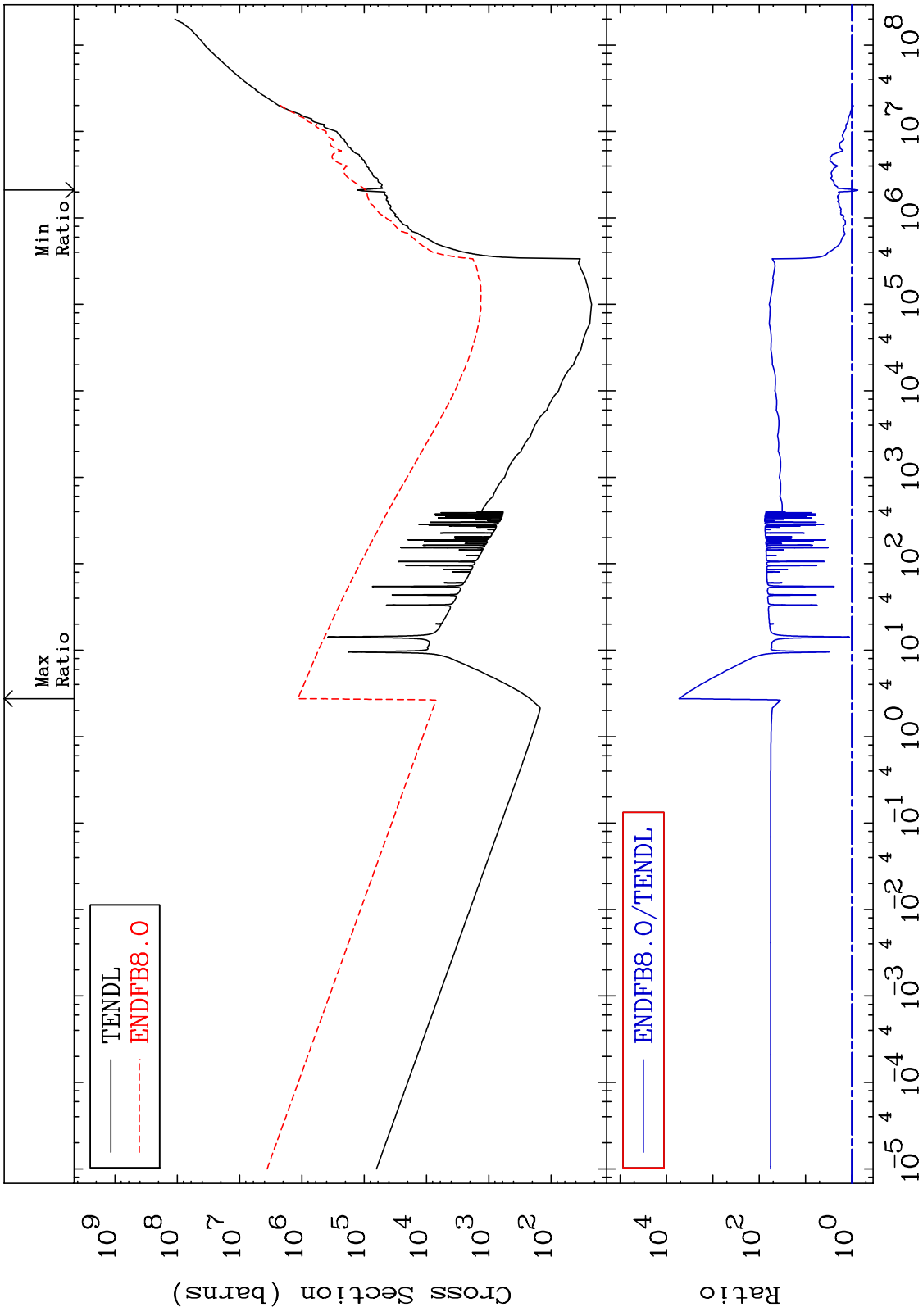
MAT 6619 Kerma total (eV-barns) Cross Section 66-Dy-154 -28.10 To 9999. %



MAT 6619      Kerma elastic Cross Section      66-Dy-154      -98.52 To 9999. %



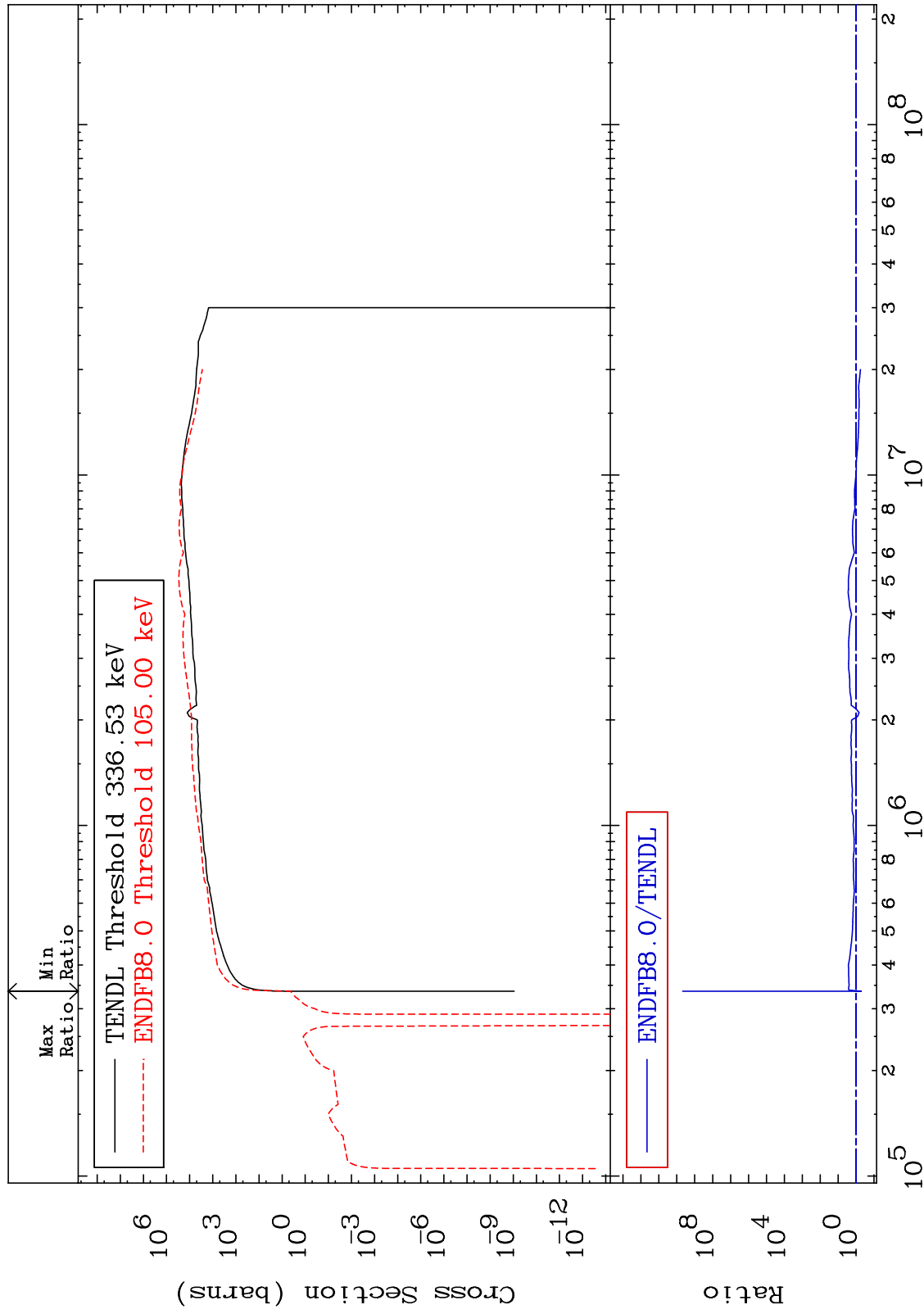
MAT 6619 Kerma non-elastic (all but mt2) Cross Section 66-Dy-154 -25.21 To 9999. %



MAT 6619

Kerma inelastic (mt51-91)  
Cross Section

66-Dy-154  
-49.37 To 9999. %



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Incident Energy (eV)

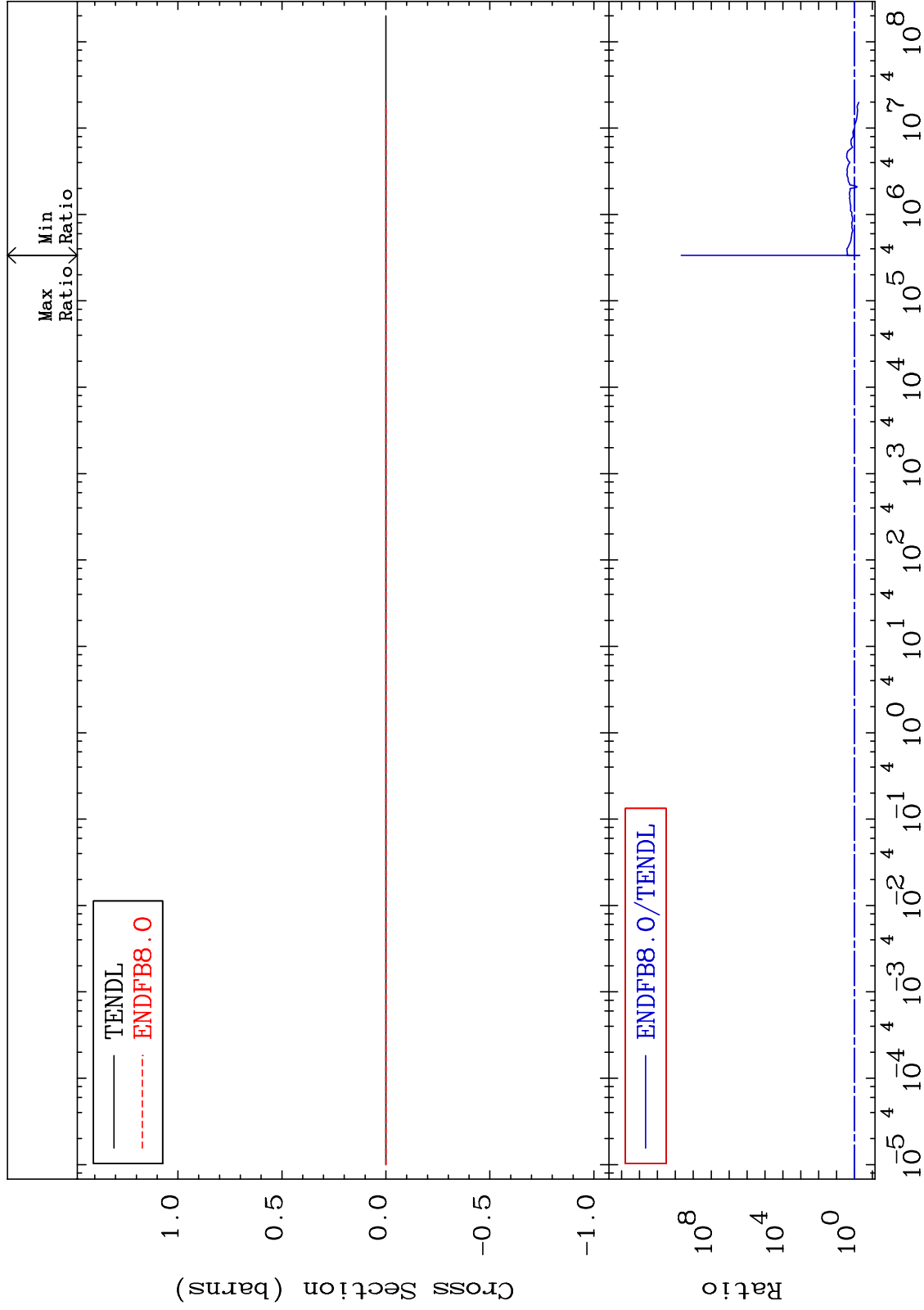
66-Dy-154



MAT 6619

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

66-Dy-154  
-49.37 To 9999. %



48

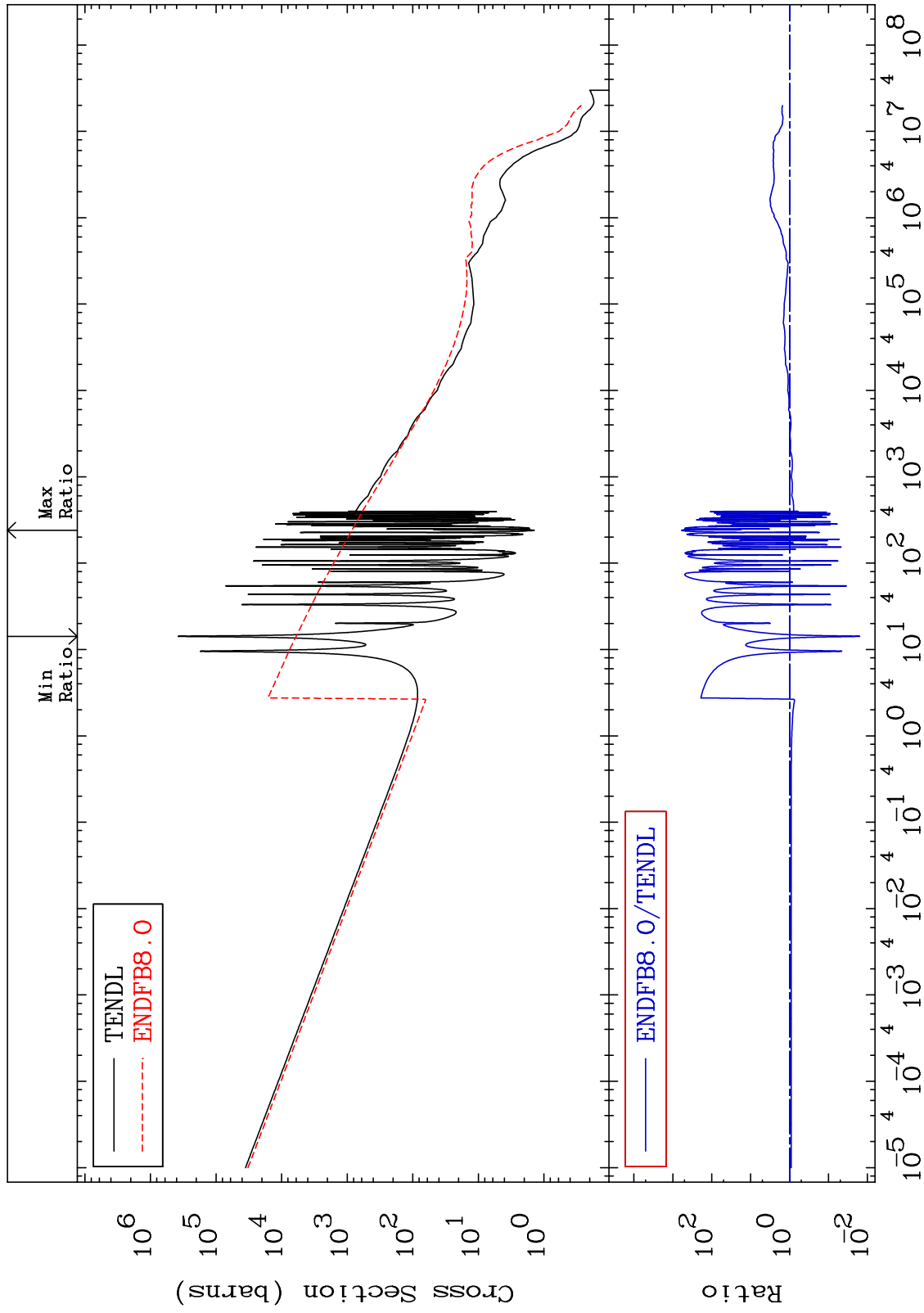
Incident Energy (eV)

66-Dy-154

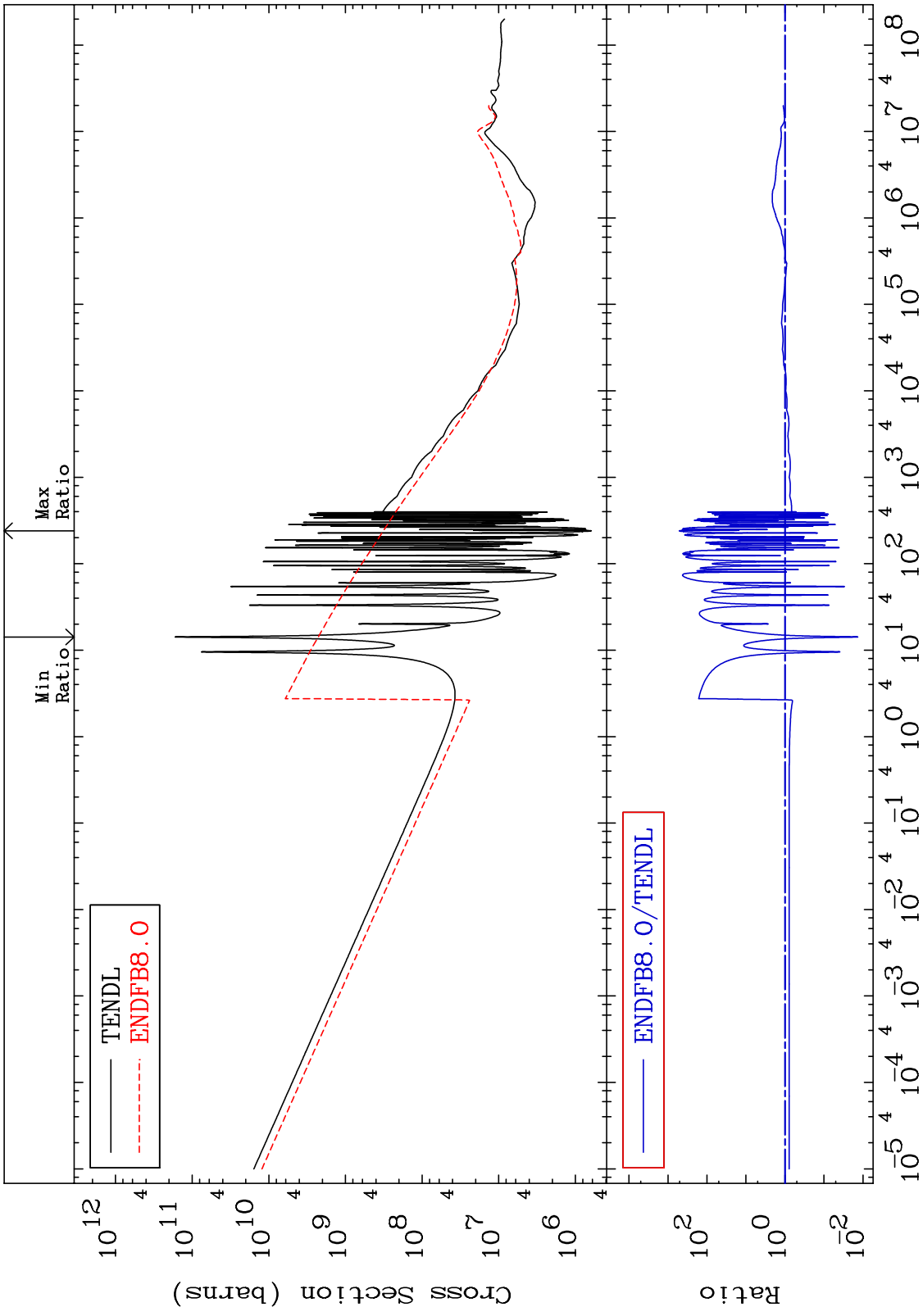
MAT 6619

Kerma capture (mt102)  
Cross Section

66-Dy-154  
-98.42 To 9999. %

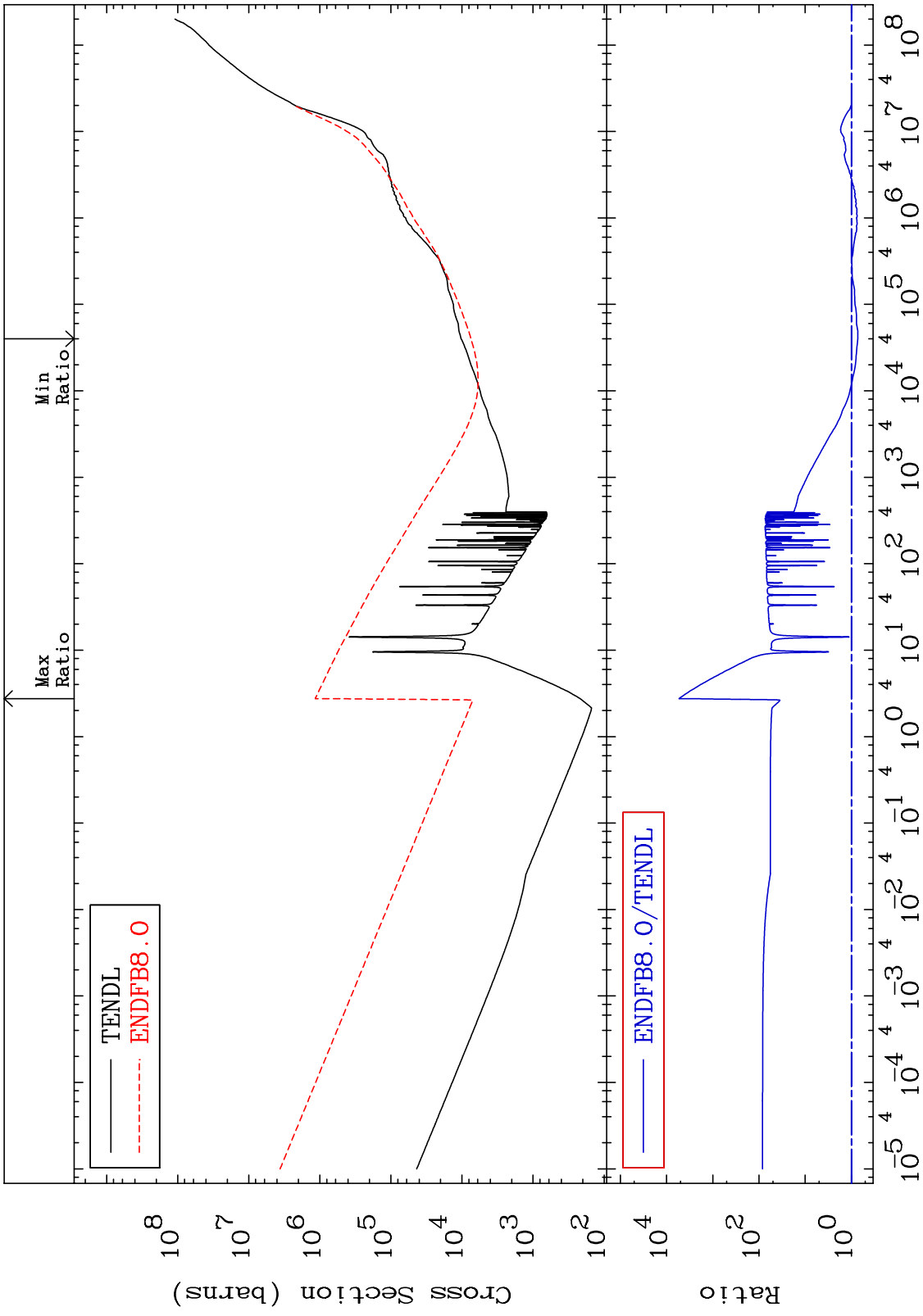


MAT 6619 66-Dy-154  
-98.65 To 9999. %  
 Total photon (eV-barns)  
 Cross Section

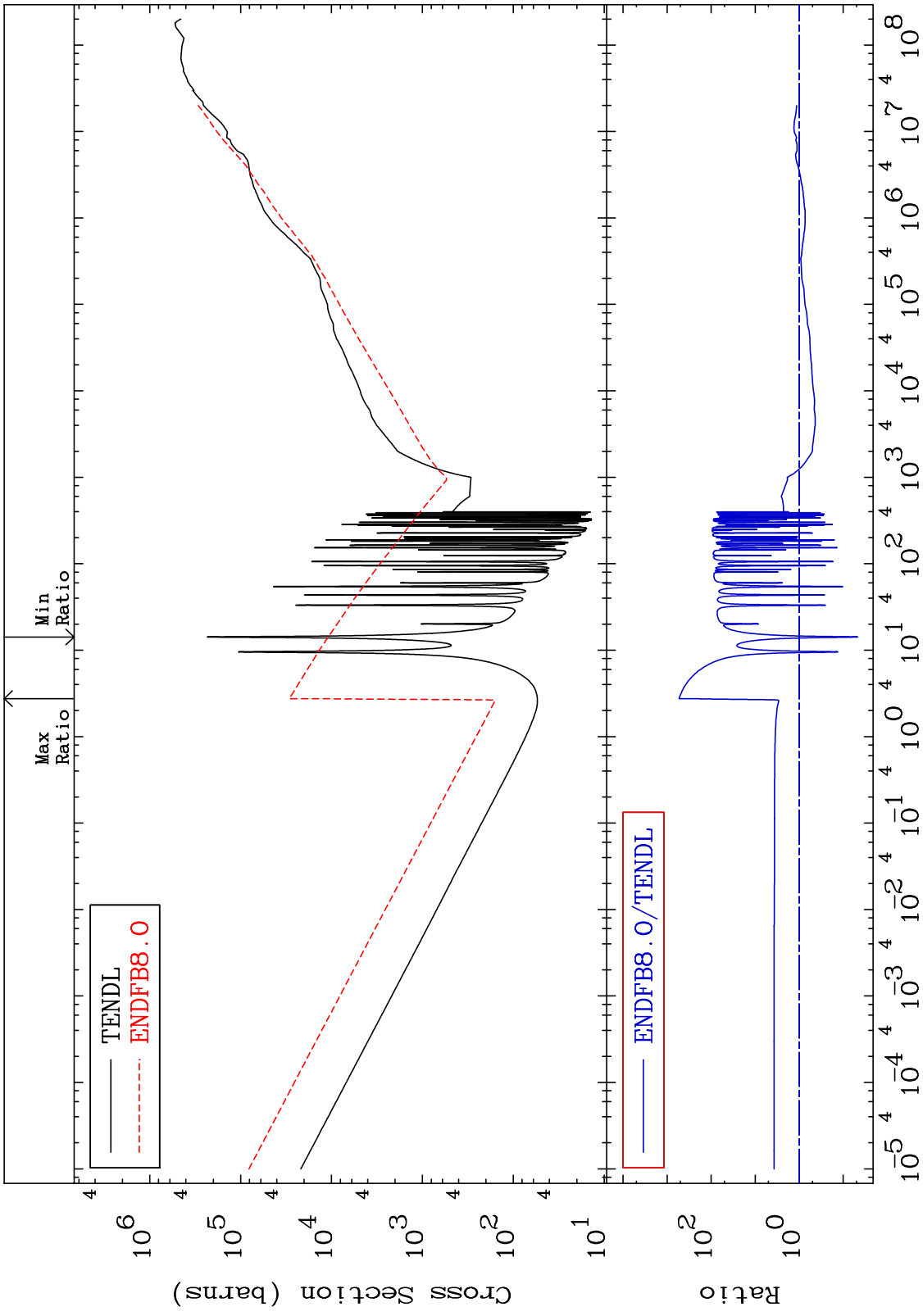


50 Incident Energy (eV) 66-Dy-154

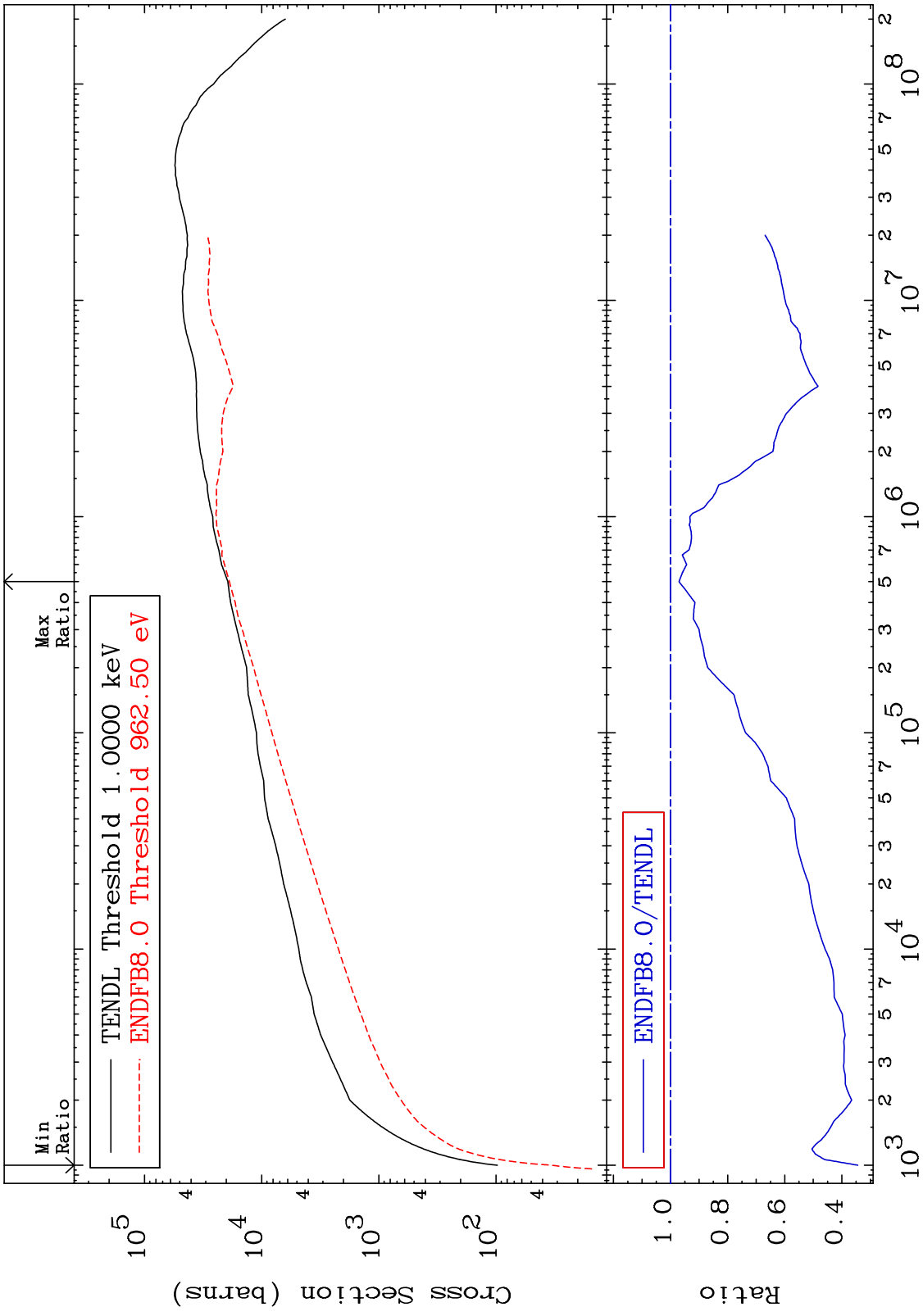
MAT 6619 Total kinematic kerma (high limit) 66-Dy-154  
 Cross Section -27.39 To 9999. %



MAT 6619      Dpa total (eV-barns)      66-Dy-154  
 Cross Section      -95.34 To 9999. %



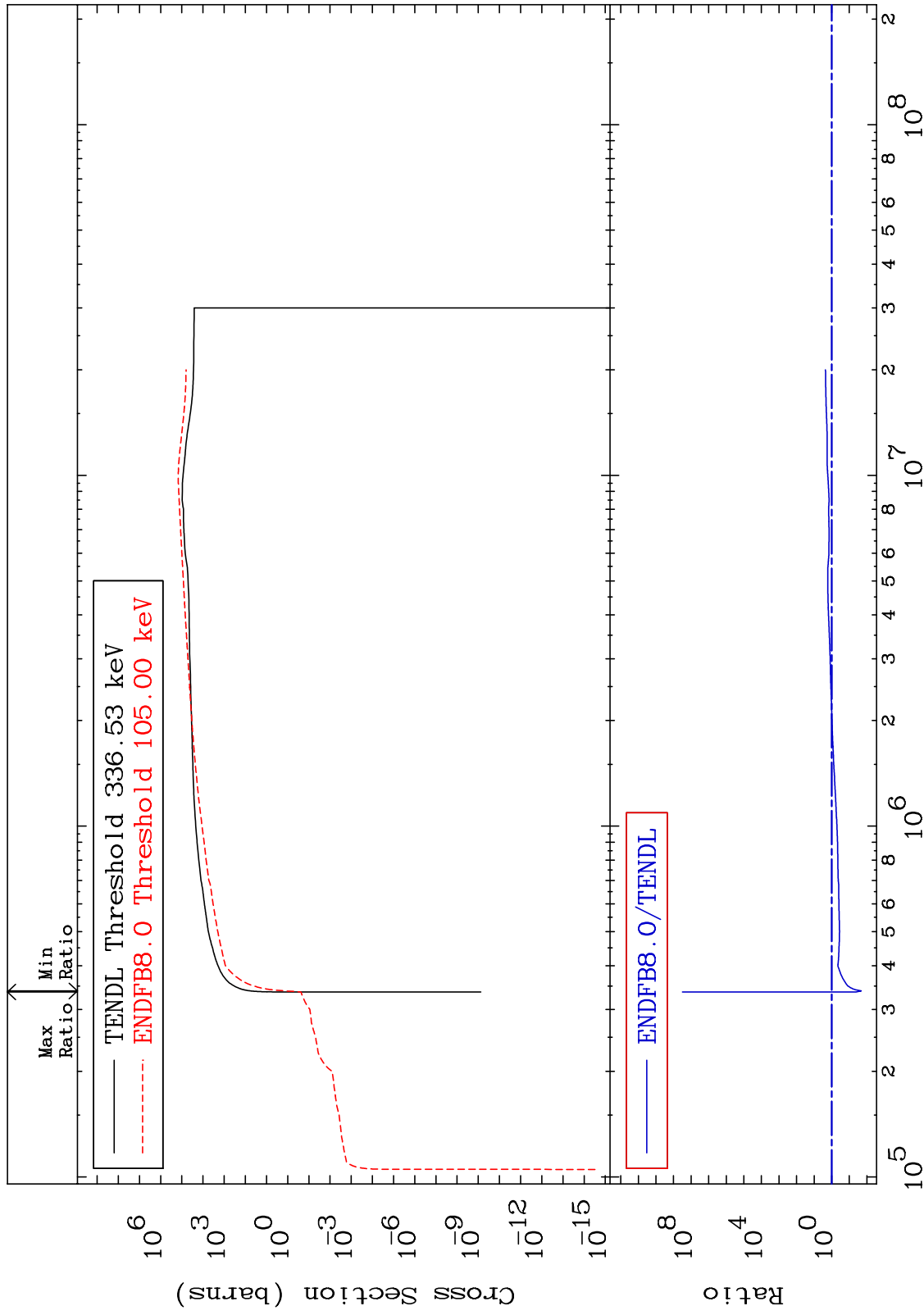
MAT 6619 66-Dy-154  
-65.61 To -2.969%  
 Dpa elastic (mt2)  
 Cross Section



MAT 6619

Dpa inelastic (mt51-91)  
Cross Section

66-Dy-154  
-97.92 To 9999. %



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Incident Energy (eV)

66-Dy-154

MAT 6619      Dpa disappearance (mt102 -120)      66-Dy-154  
 Cross Section      -95.34 To 9999. %

