

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

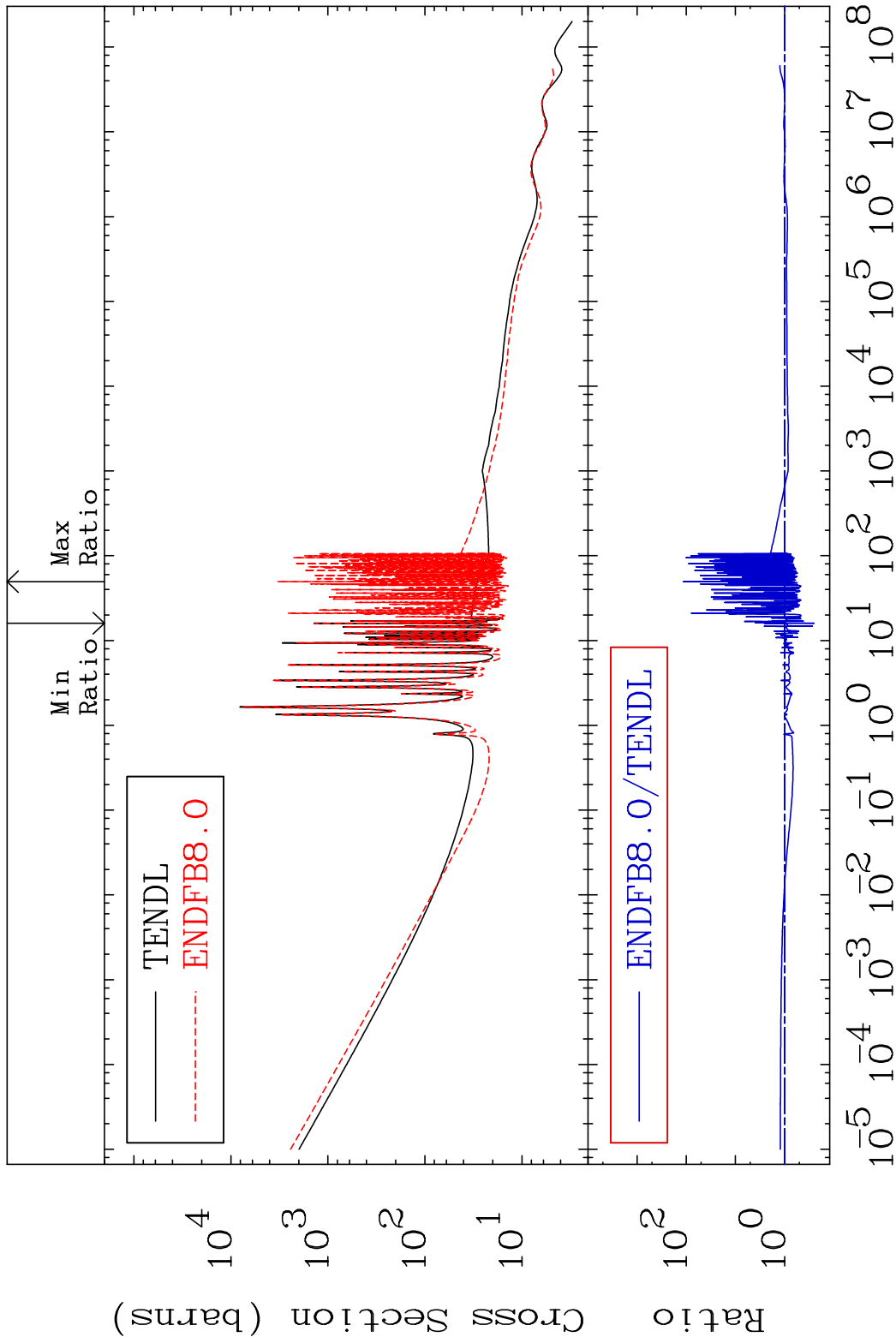
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 9137

Total  
Cross Section -74.63 To 9999. %

91-Pa-233

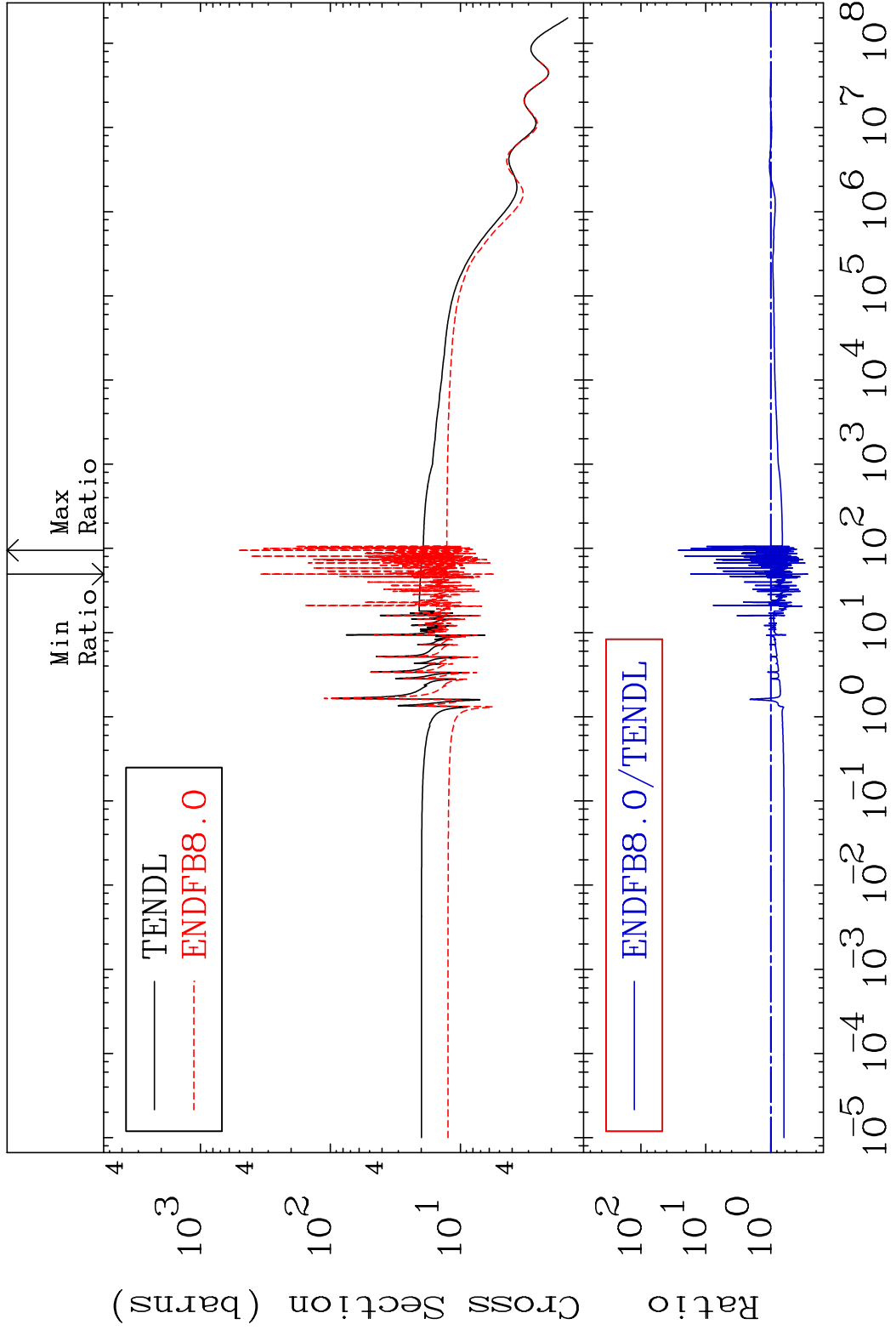


1

Incident Energy (eV)

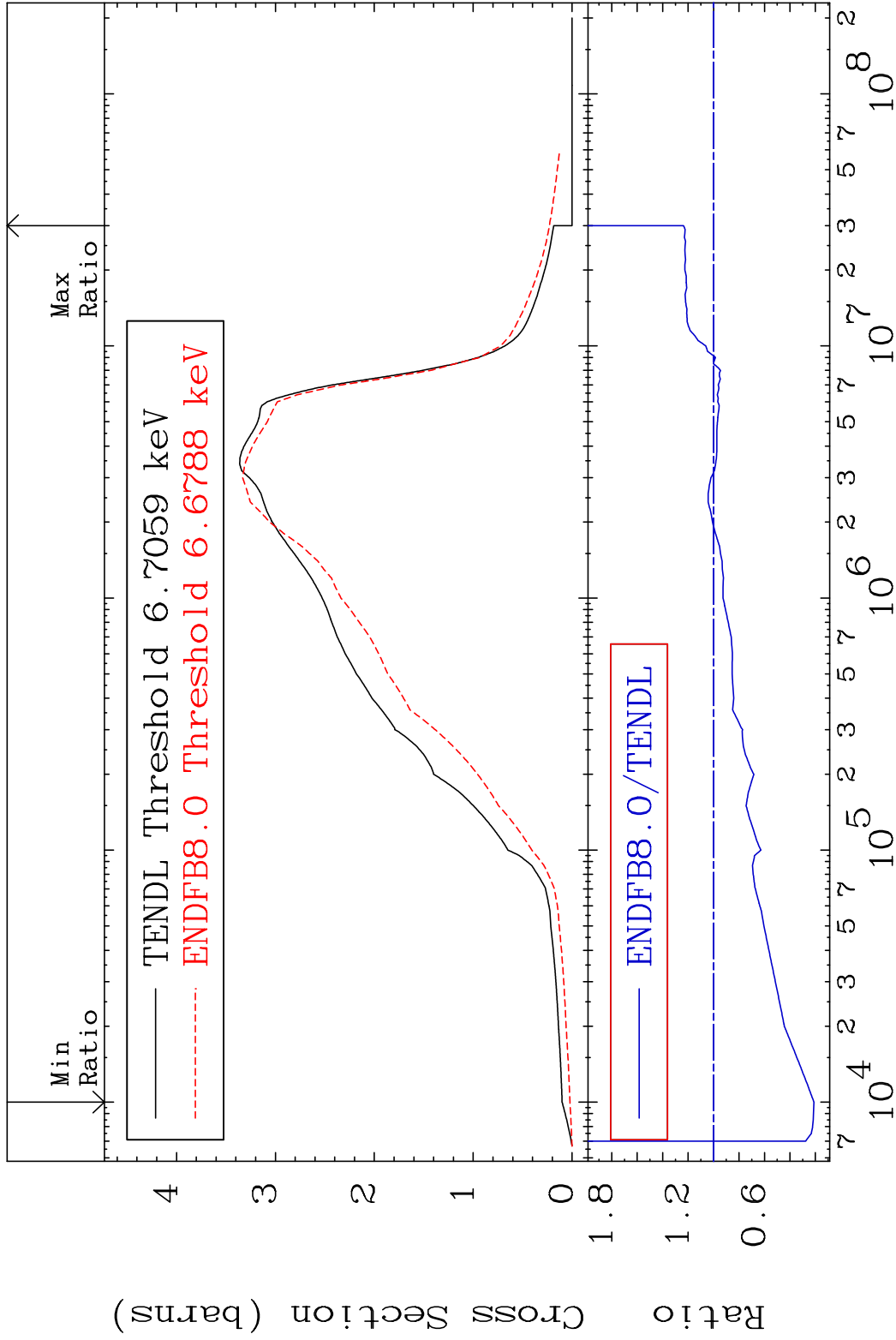
91-Pa-233

MAT 9137 Elastic 91-Pa-233  
 Cross Section -73.06 To 2551. %



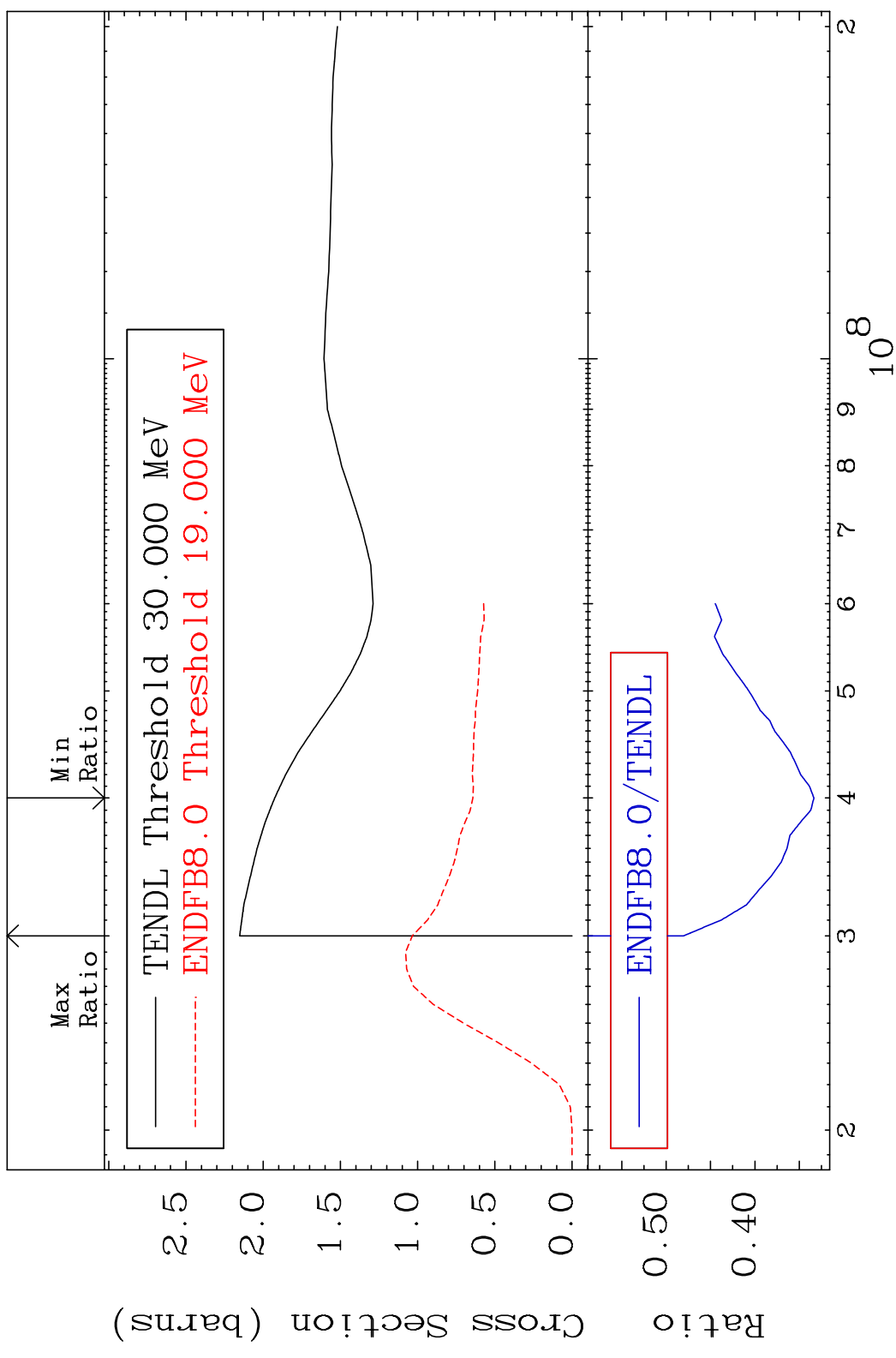
2 Incident Energy (eV) 91-Pa-233

MAT 9137 Inelastic Cross Section -78.82 To 23.67 % 91-Pa-233

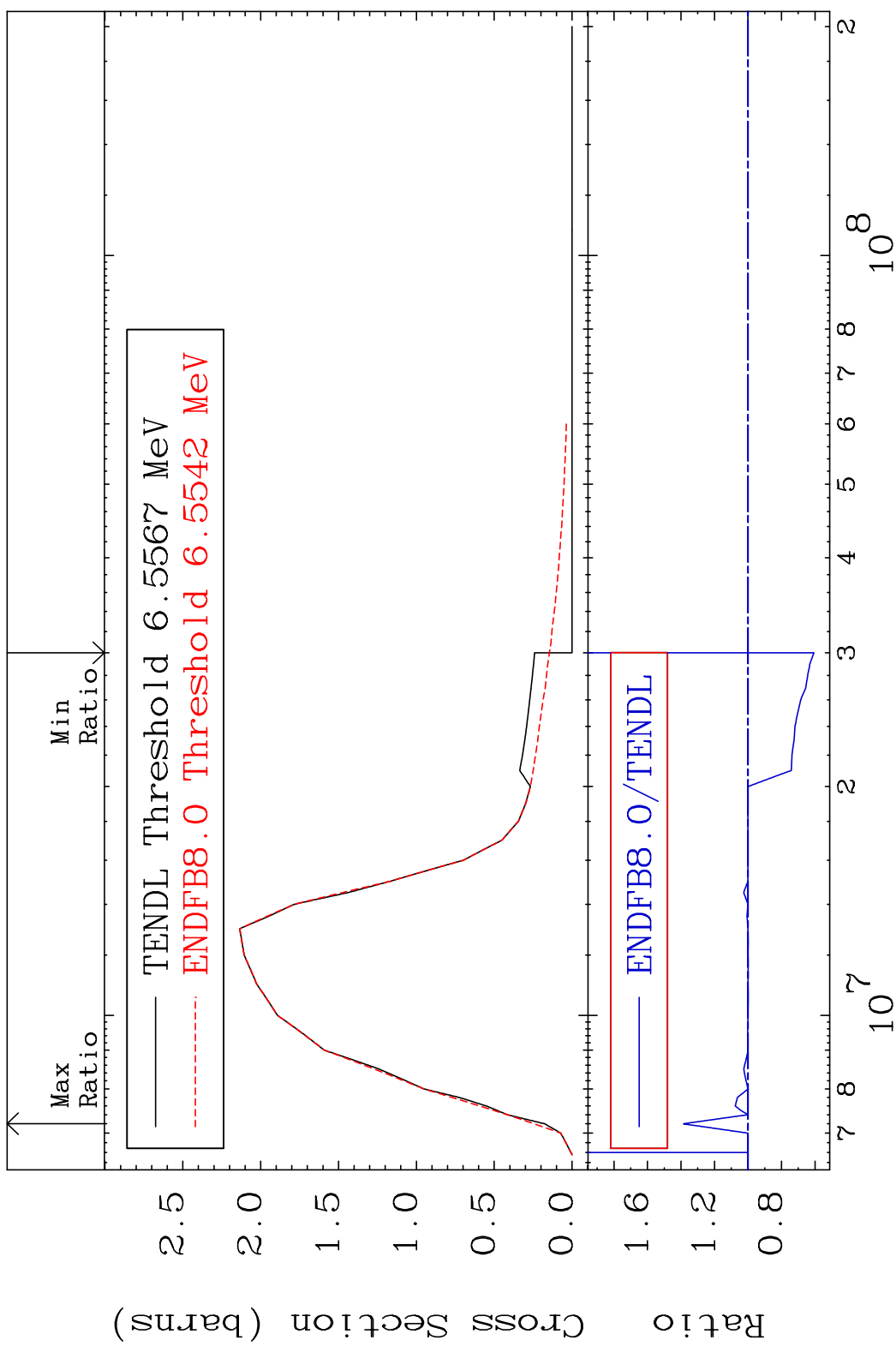


3 Incident Energy (eV) 91-Pa-233

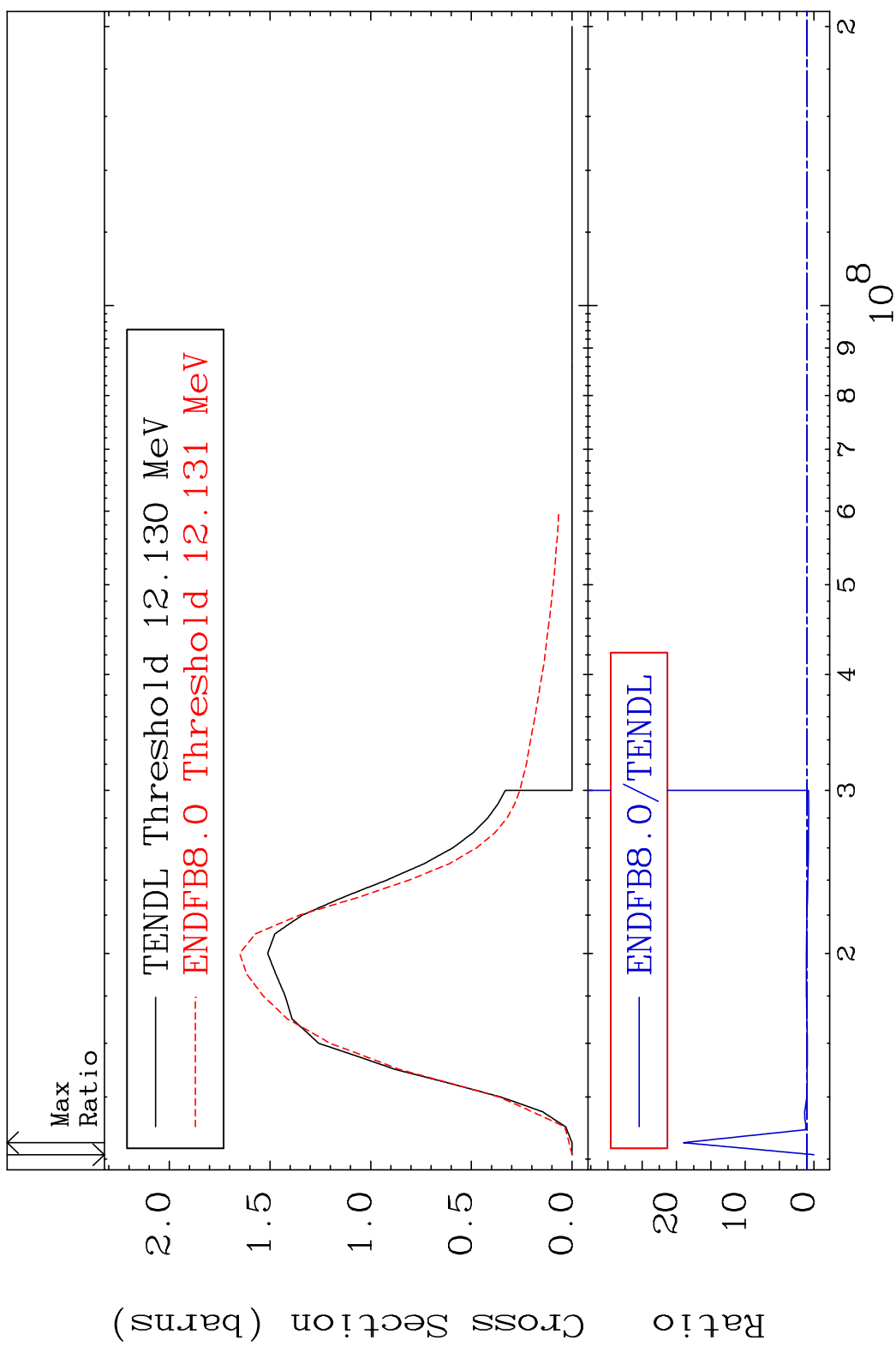
MAT 9137 (n, remainder) 91-Pa-233  
 Cross Section -66.65 To -51.95%



MAT 9137 (n,2n) 91-Pa-233  
 Cross Section -39.32 To 38.54 %

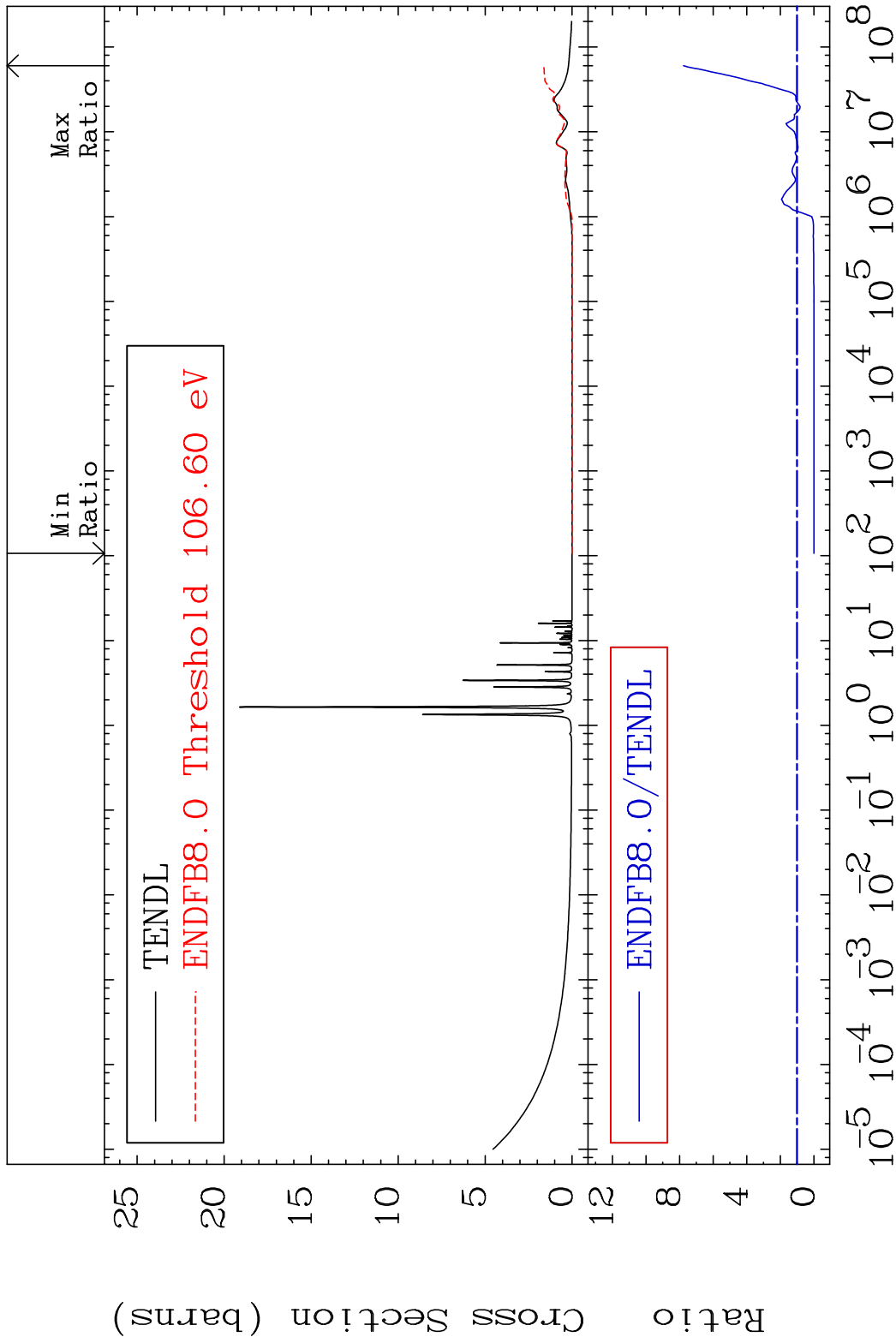


MAT 9137 (n,3n) 91-Pa-233  
 Cross Section -100.0 To 1799. %



MAT 9137

Fission Cross Section 91-Pa-233  
-100.0 To 676.8 %



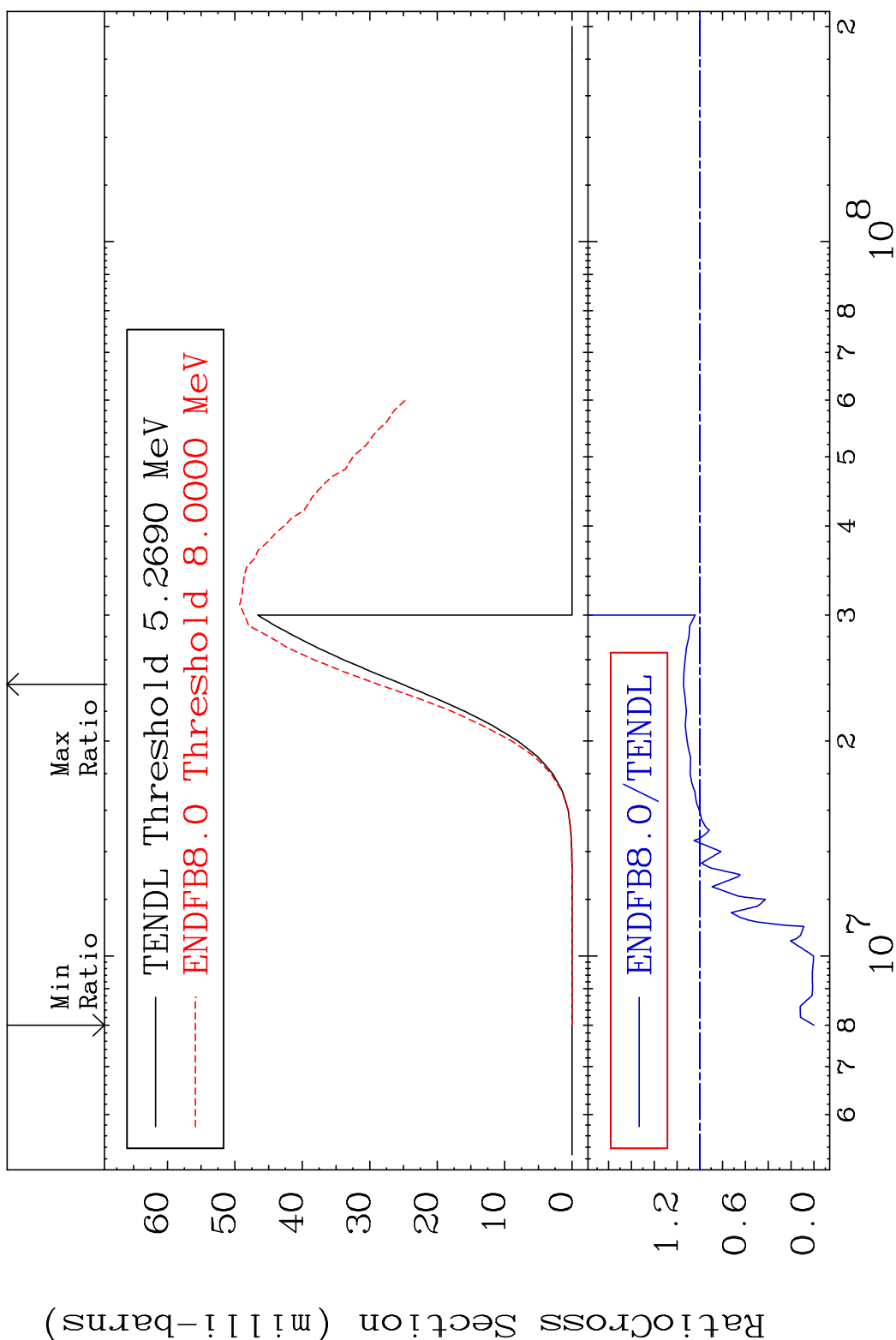
7

Incident Energy (eV)

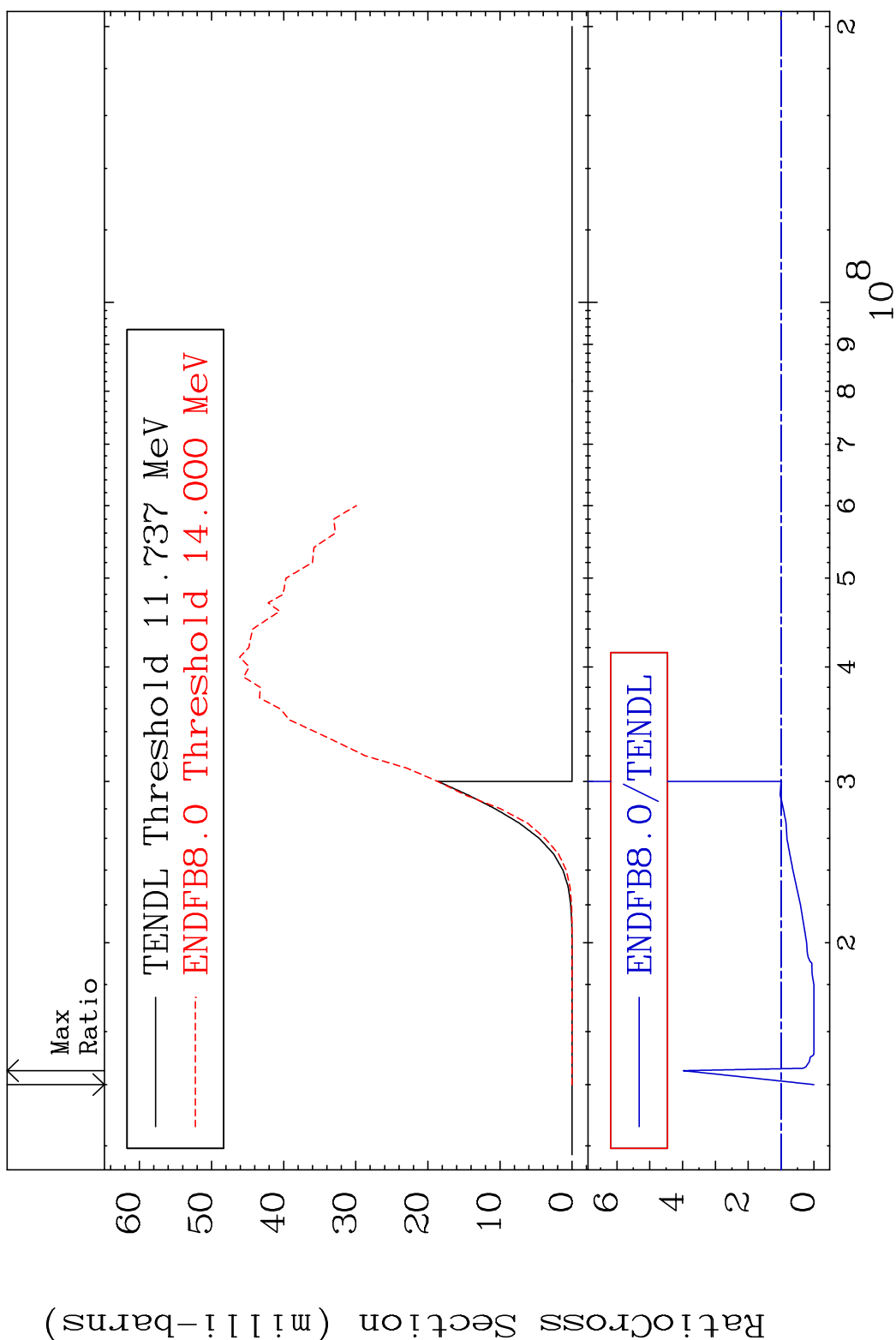
91-Pa-233



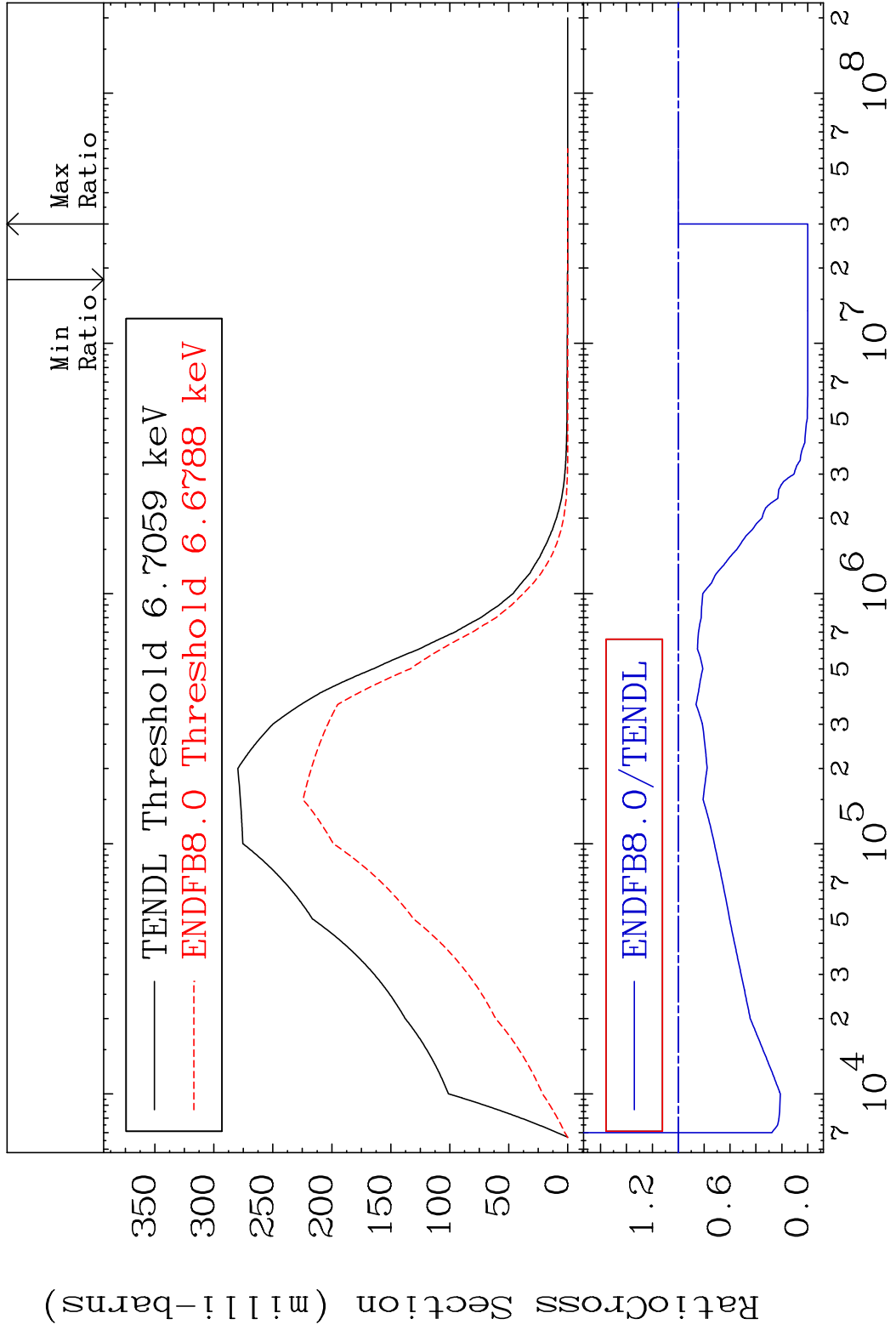
MAT 9137 (n, n') p 91-Pa-233  
 Cross Section -100.0 To 14.35 %



MAT 9137 (n,2n) p 91-Pa-233  
 Cross Section -100.0 To 297.3 %

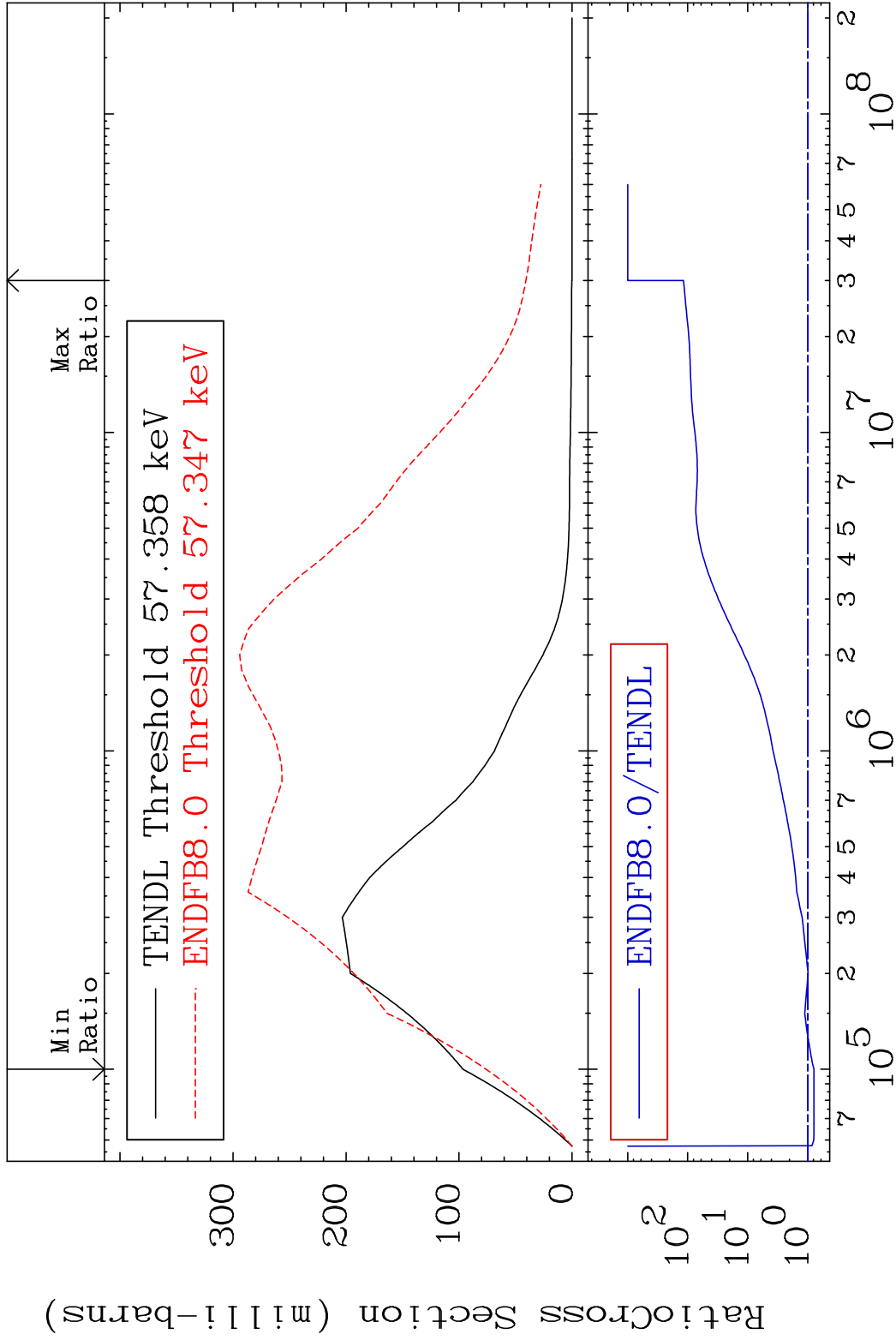


MAT 9137 MT= 51 (n, n') Level 91-Pa-233  
 Cross Section -100.0 To 0.000 %



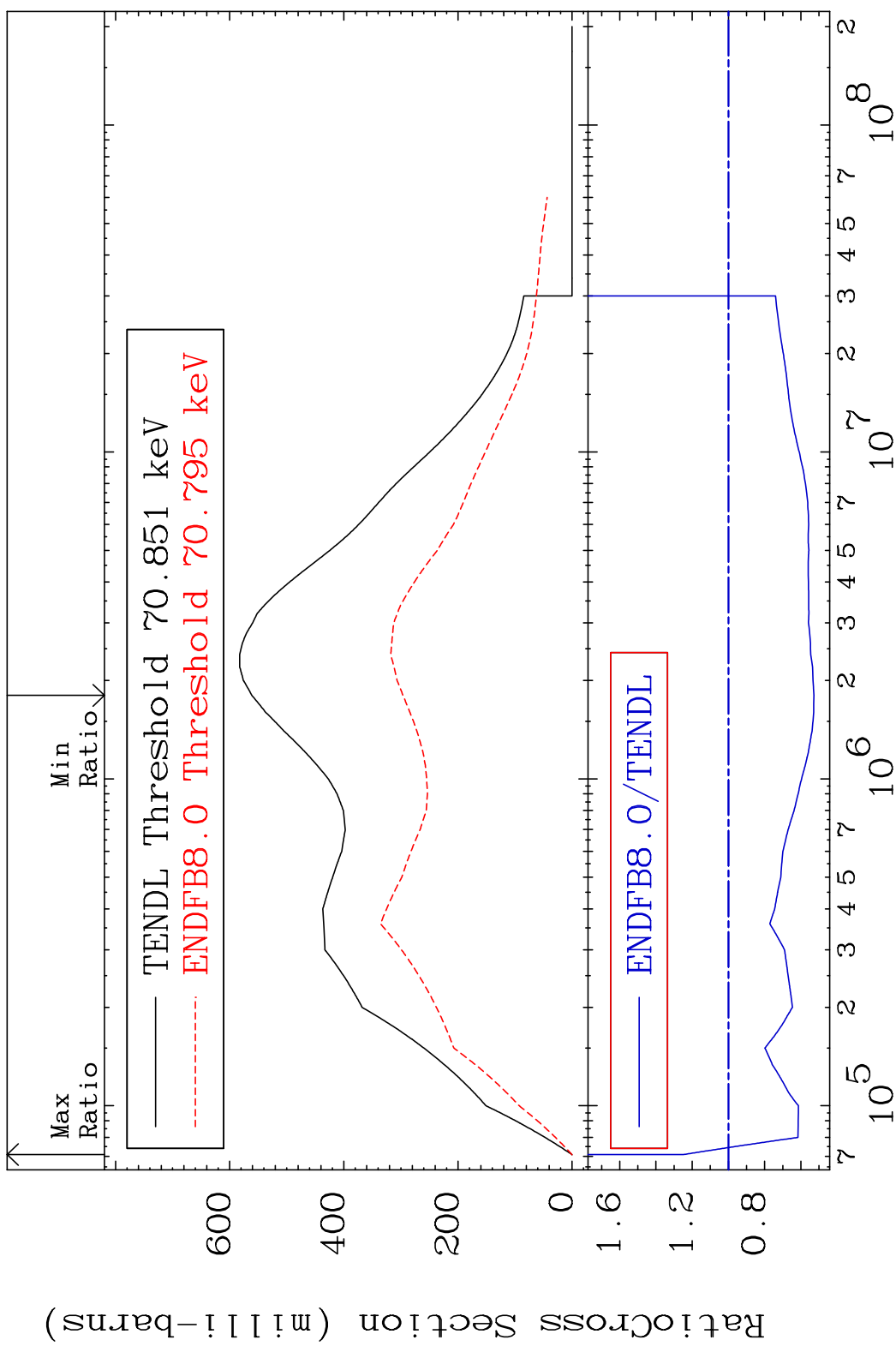
10 Incident Energy (eV) 91-Pa-233

MAT 9137 MT= 52 (n, n') Level 91-Pa-233  
 Cross Section -21.23 To 9999. %



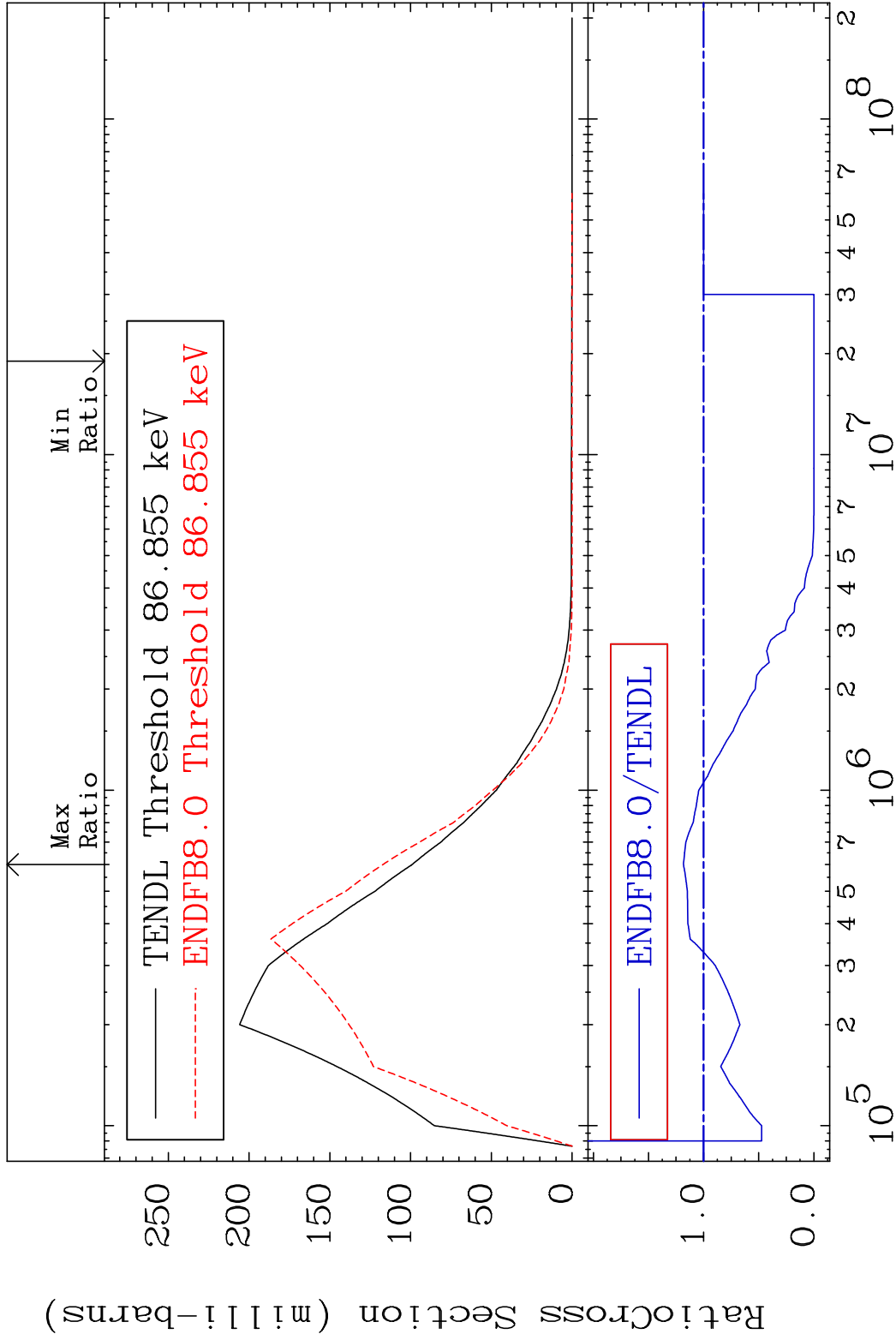
11 Incident Energy (eV) 91-Pa-233

MAT 9137 MT= 53 (n, n') Level 91-Pa-233  
 Cross Section -47.18 To 24.81 %



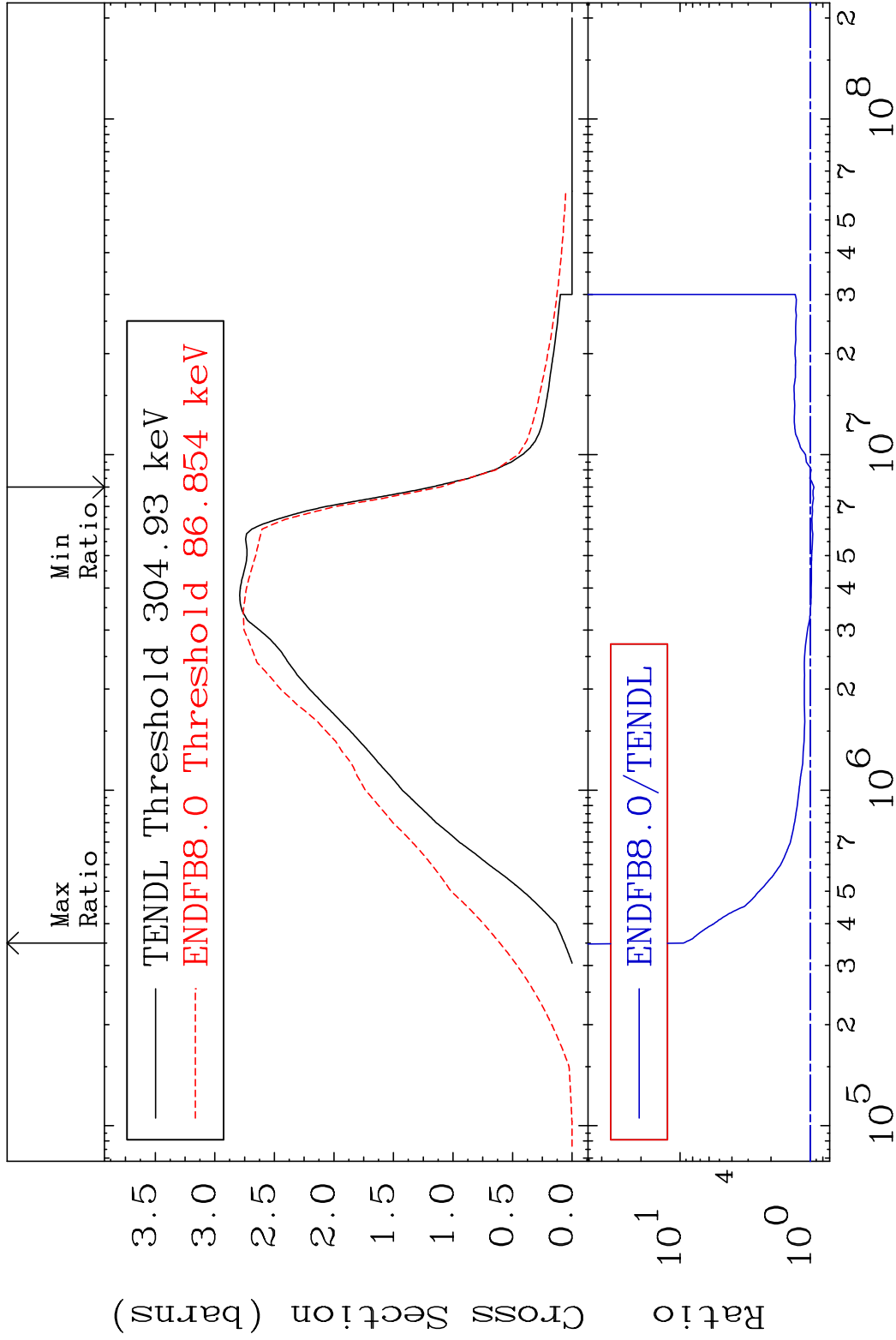
12 Incident Energy (eV) 91-Pa-233

MAT 9137 MT= 54 (n, n') Level 91-Pa-233  
 Cross Section -100.0 To 18.30 %



13 Incident Energy (eV) 91-Pa-233

MAT 9137 (n,n') Continuum 91-Pa-233  
 Cross Section -6.318 To 842.5 %

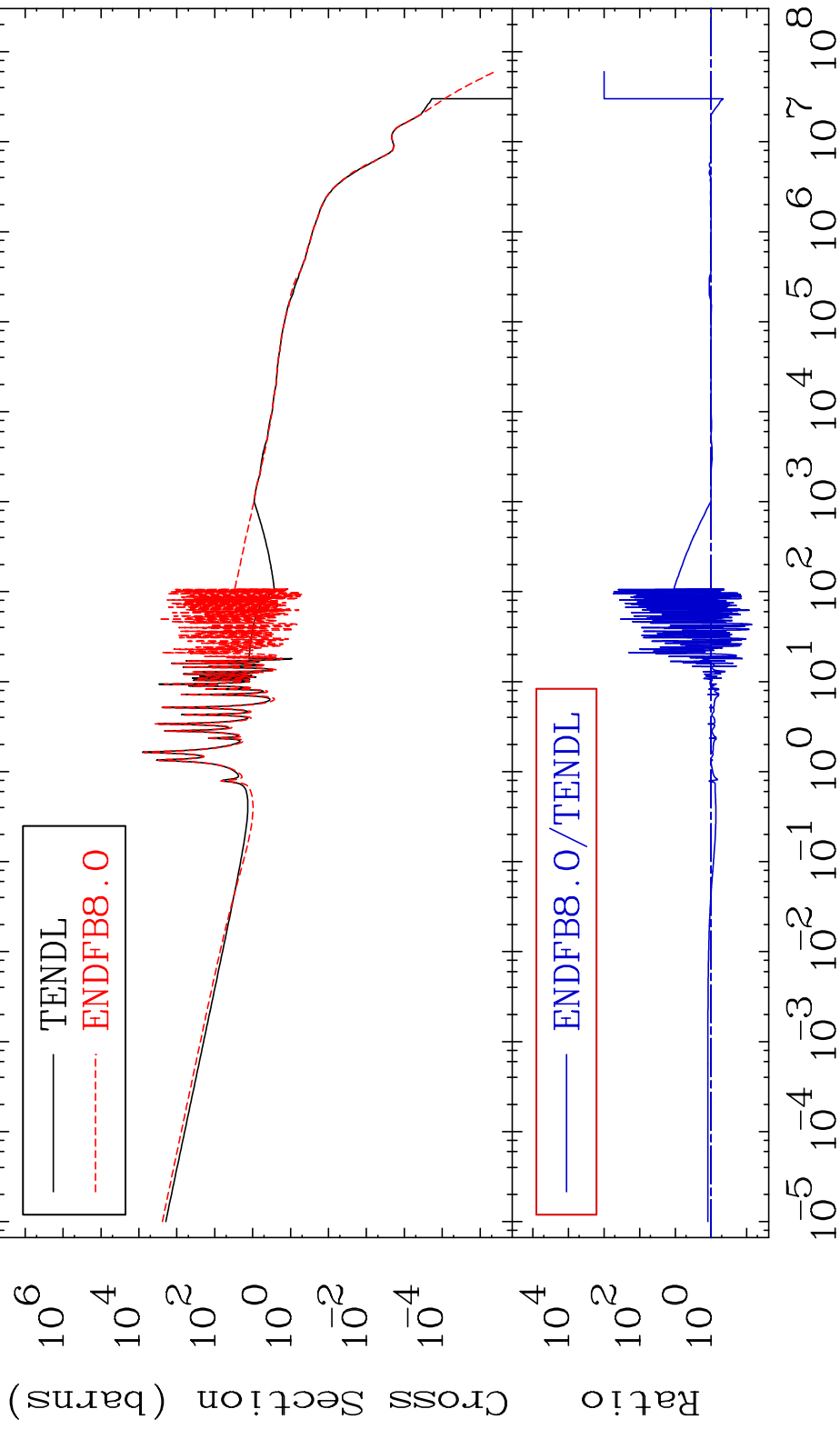


14 Incident Energy (eV) 91-Pa-233

MAT 9137

(n,  $\gamma$ )  
Cross Section -92.93 To 9999. %

91-Pa-233

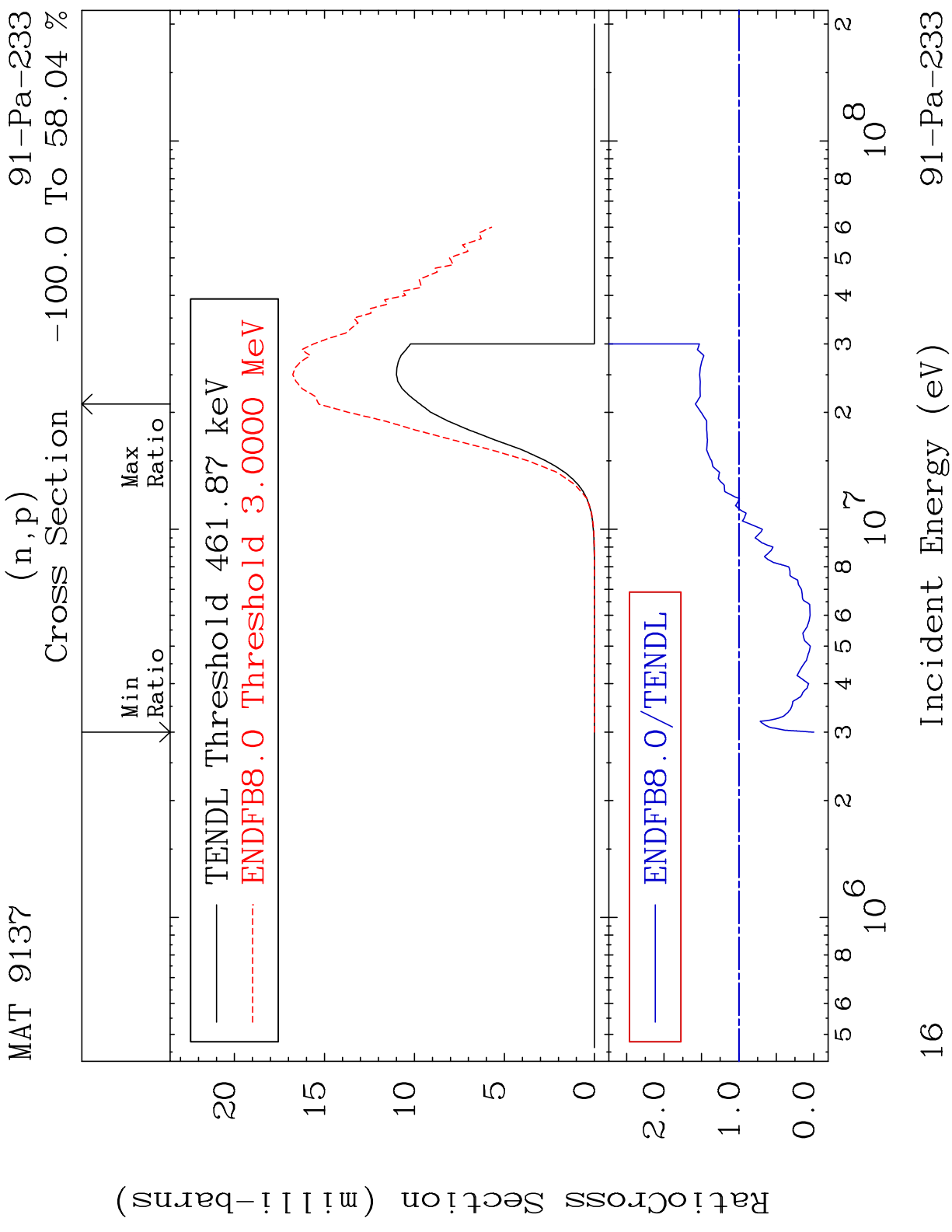


15

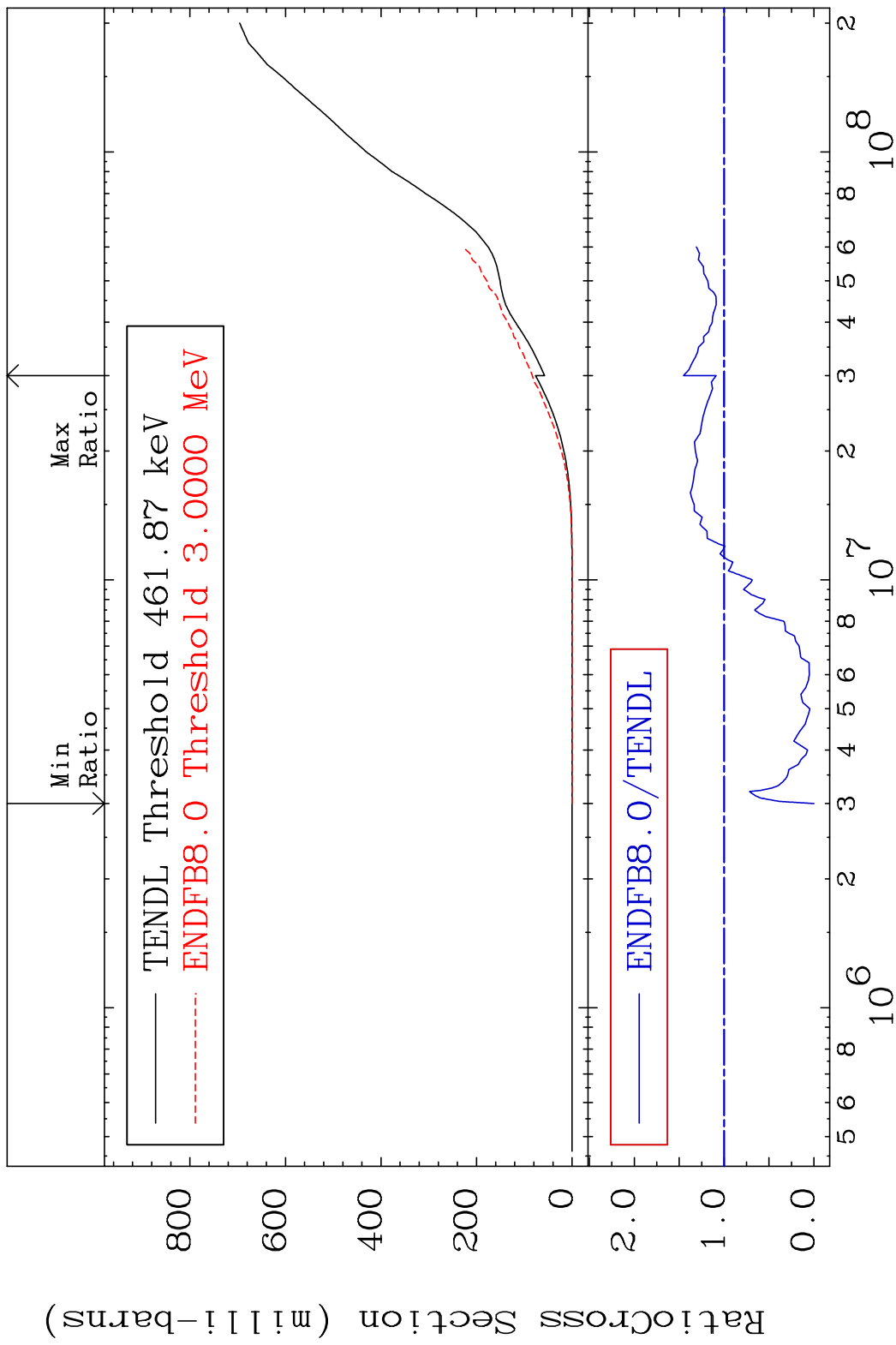
Incident Energy (eV)

91-Pa-233



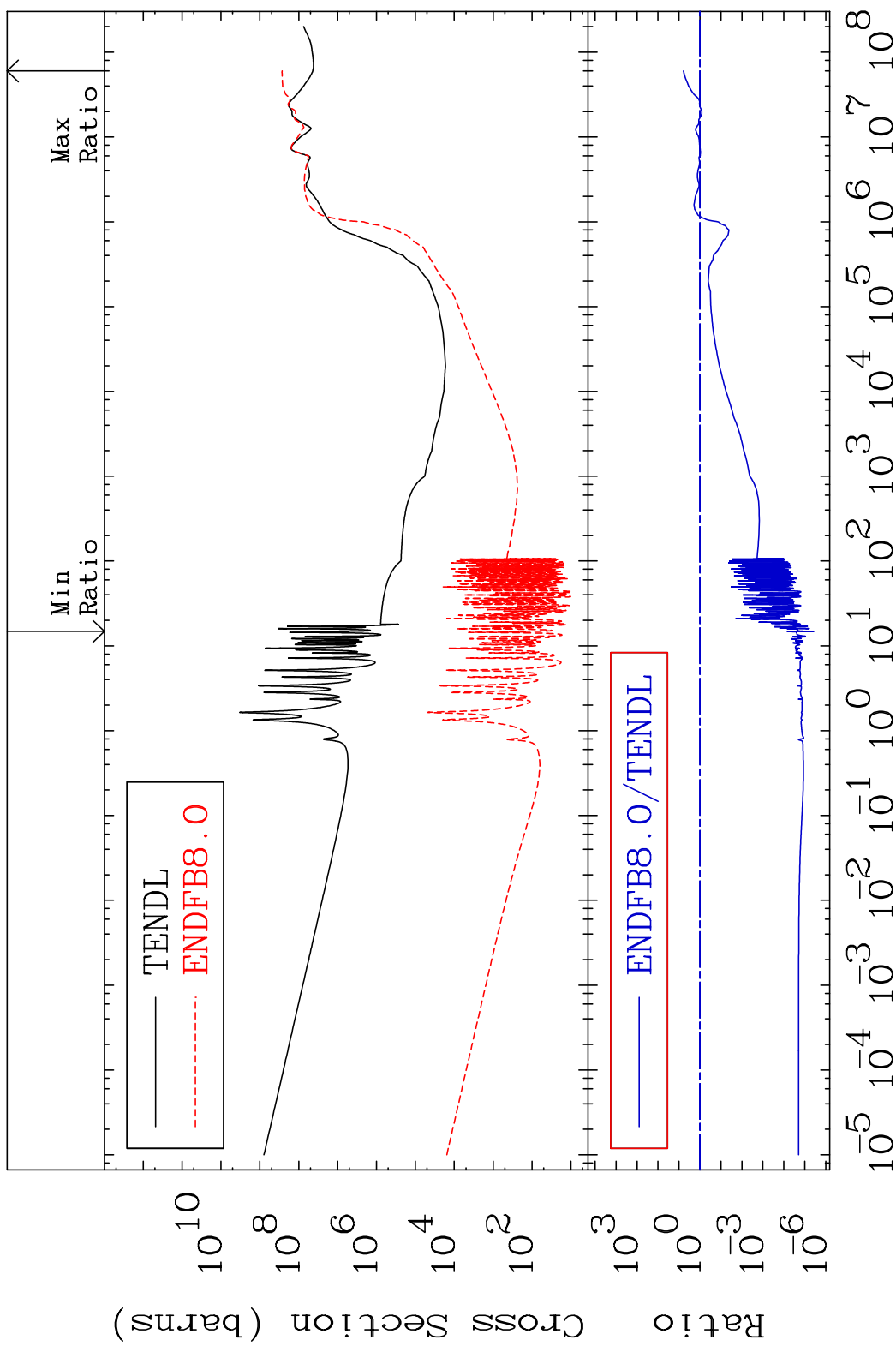


MAT 9137 Hydrogen Production 91-Pa-233  
 Cross Section -100.0 To 45.27 %



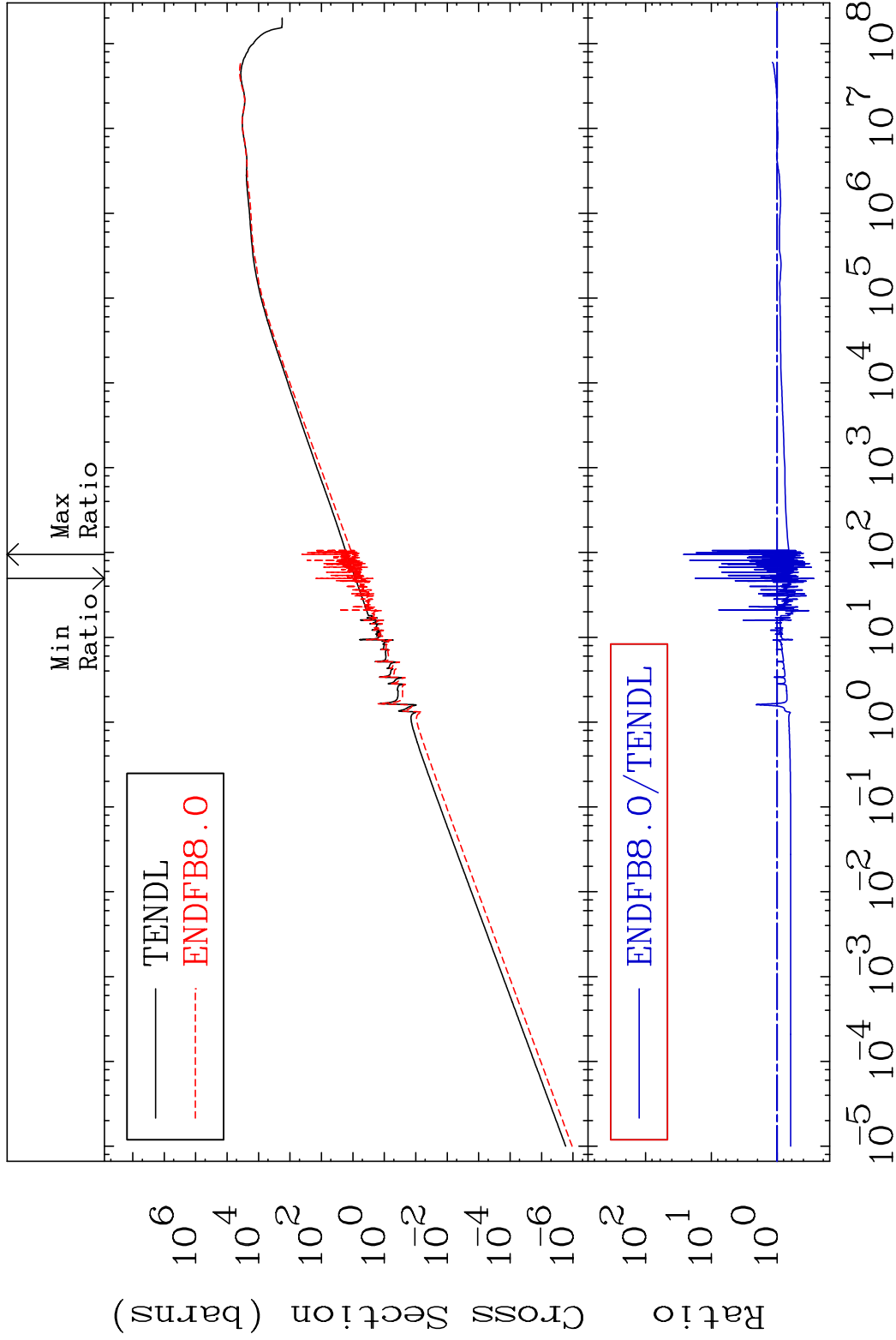
17 Incident Energy (eV) 91-Pa-233

MAT 9137 Kerma total (eV-barns) 91-Pa-233  
 Cross Section -100.0 To 511.3 %



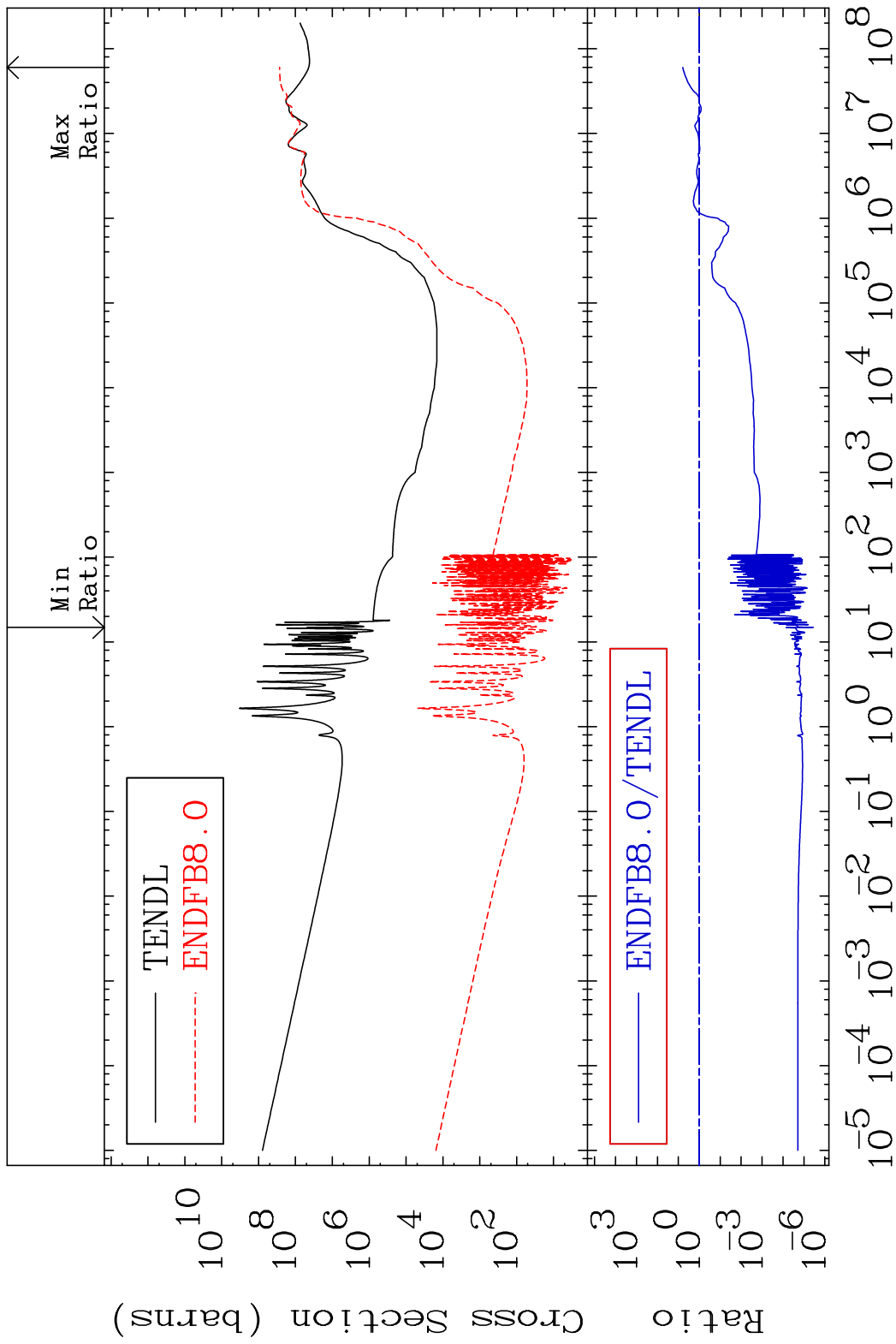
18 Incident Energy (eV) 91-Pa-233

MAT 9137 Kerma elastic 91-Pa-233  
 Cross Section -72.28 To 2561. %



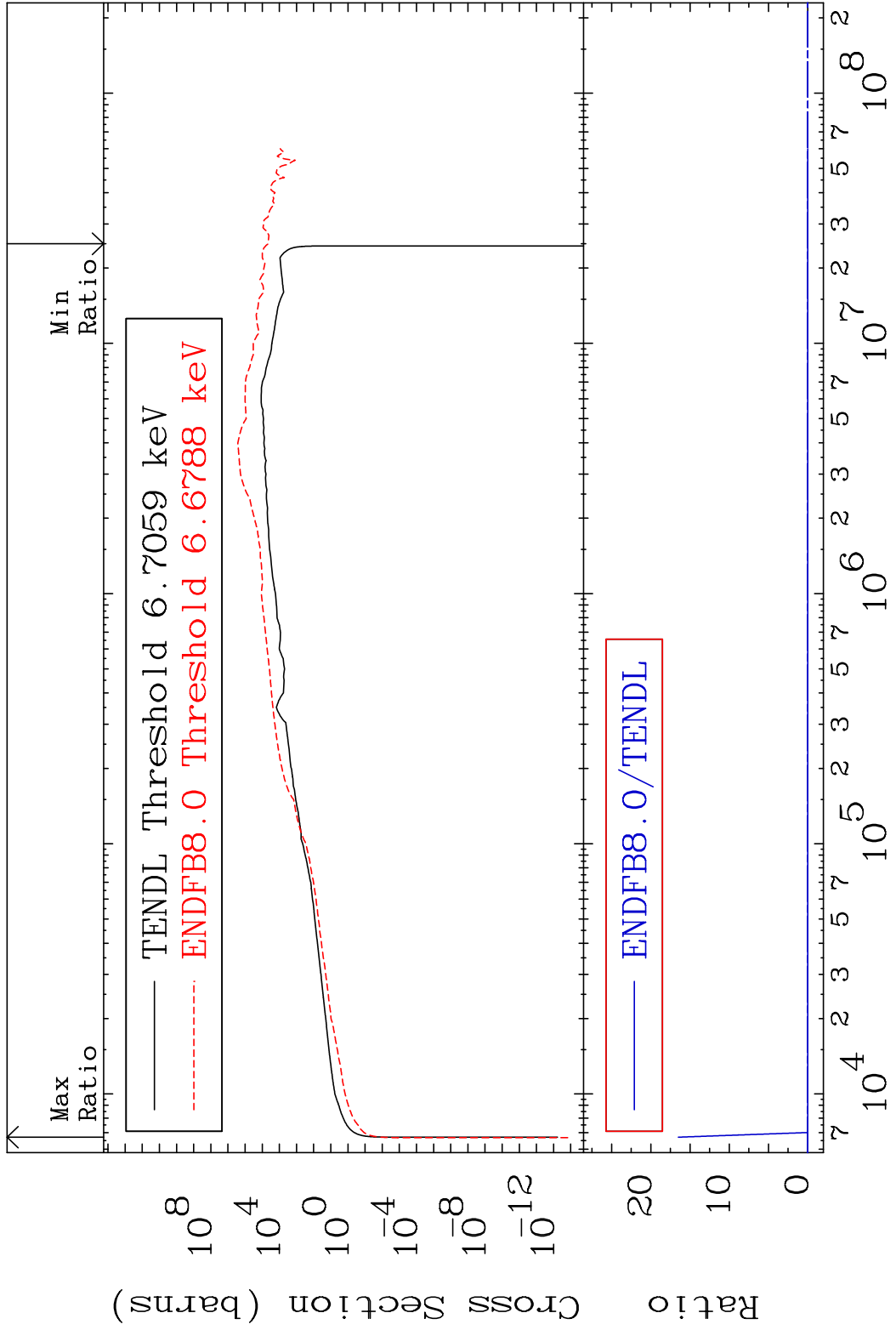
19 Incident Energy (eV) 91-Pa-233

MAT 9137 Kerma non-elastic (all but mt2) 91-Pa-233  
 Cross Section -100.0 To 511.6 %

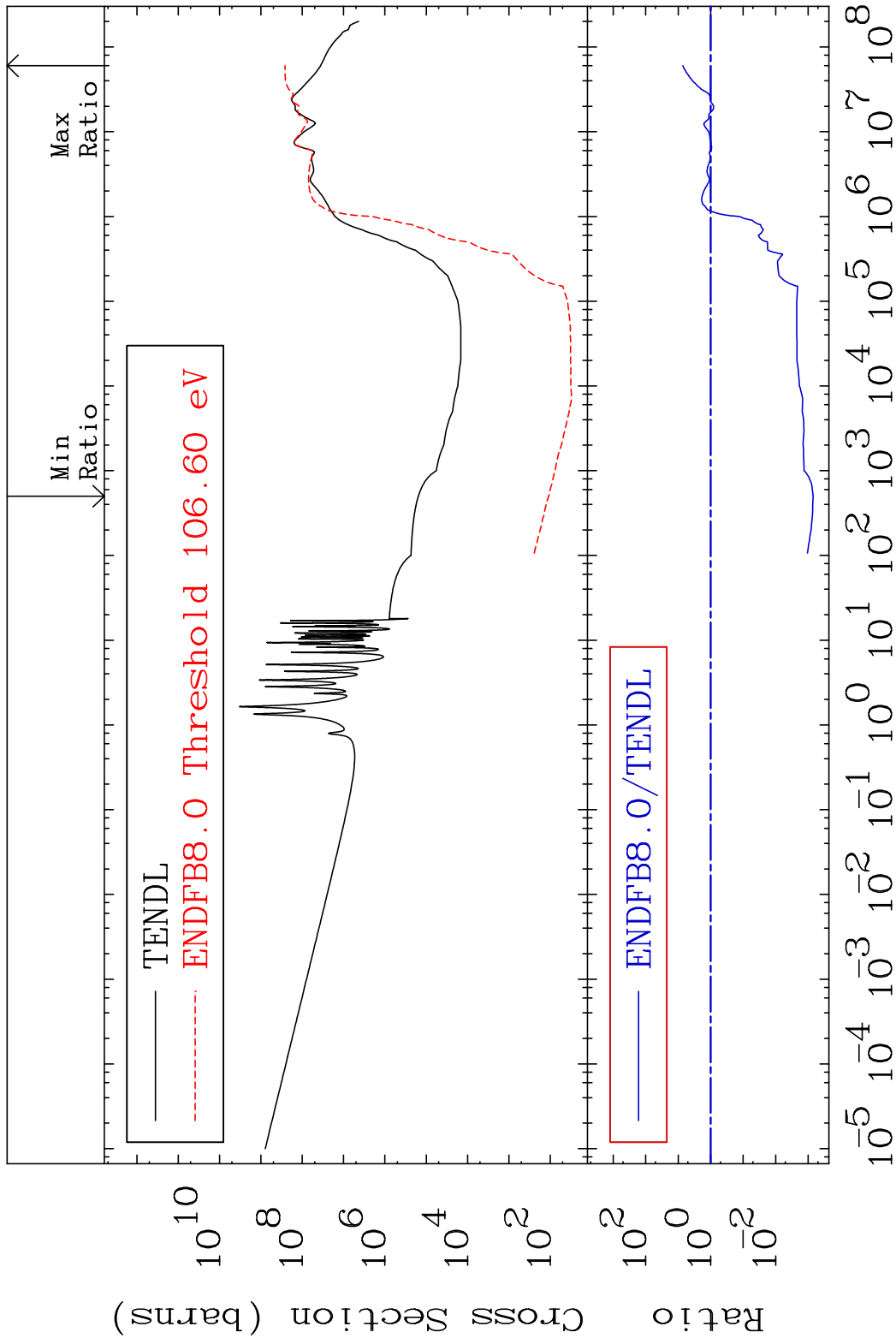


20 Incident Energy (eV) 91-Pa-233

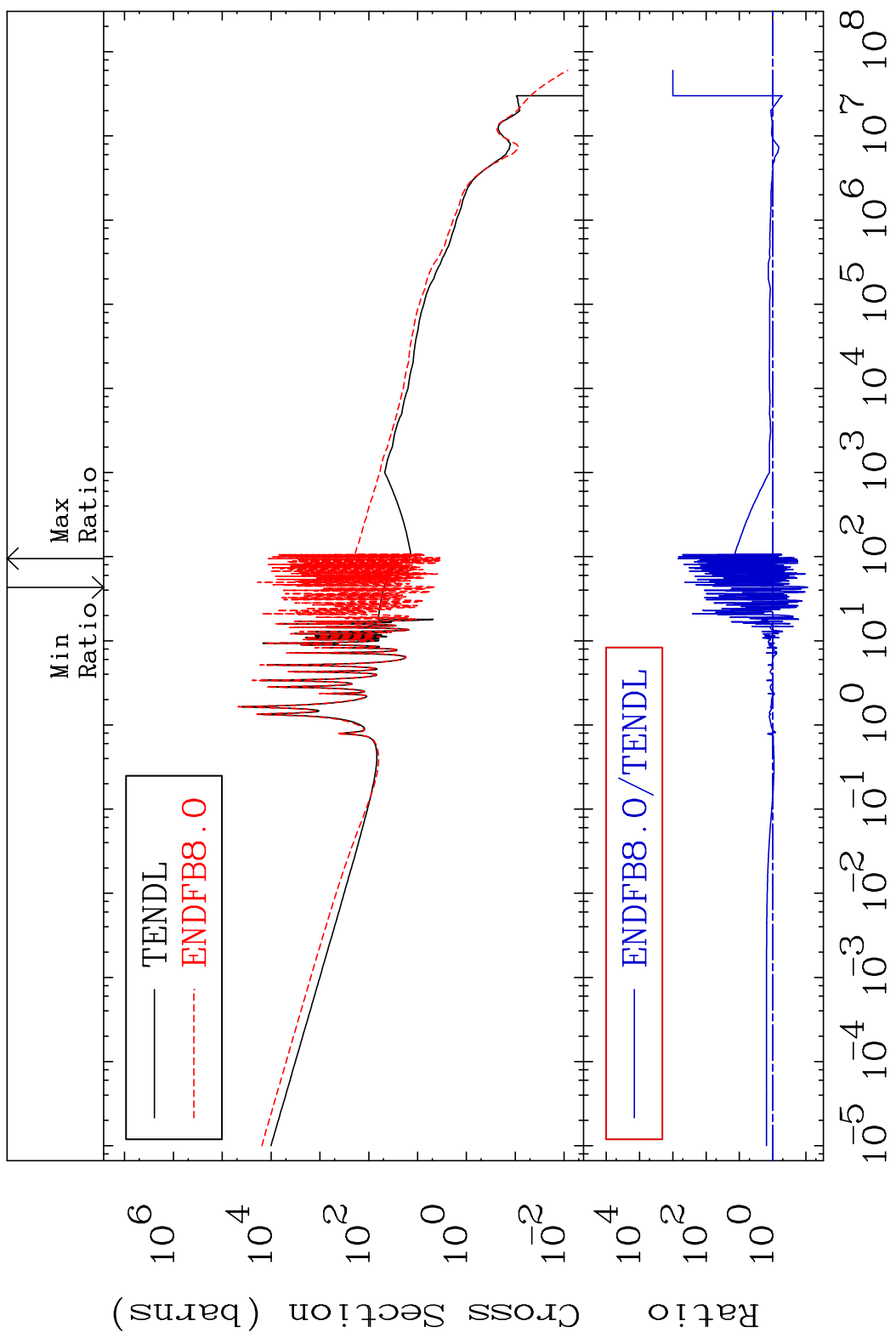
MAT 9137 Kerma inelastic (mt51-91) 91-Pa-233  
 Cross Section -2582. To 9999. %



MAT 9137 Kerma fission (mt18 or mt19-20-21-38) 91-Pa-233  
 Cross Section -99.93 To 620.8 %



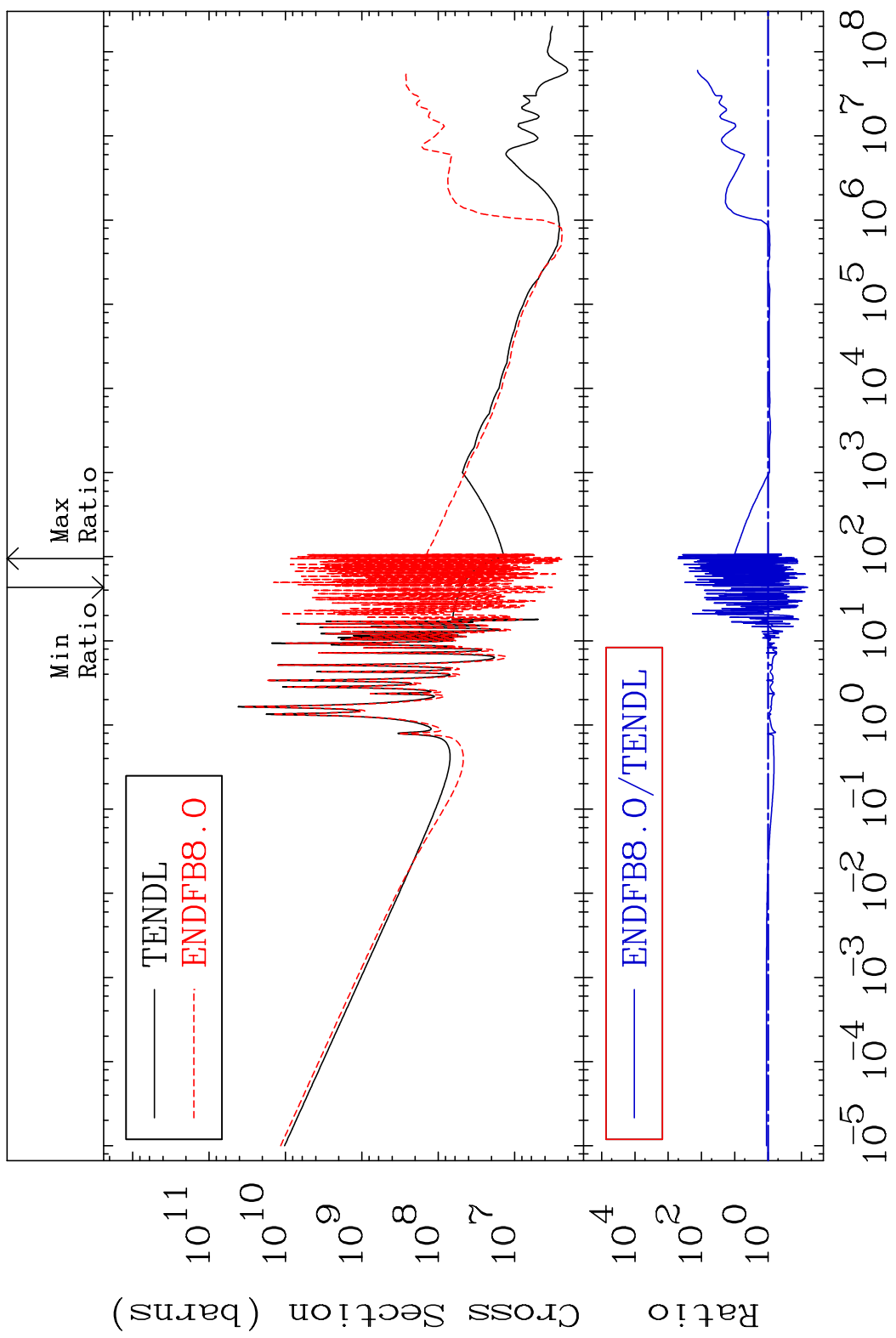
MAT 9137 Kerma capture (mt102) 91-Pa-233  
 Cross Section -91.11 To 9999. %



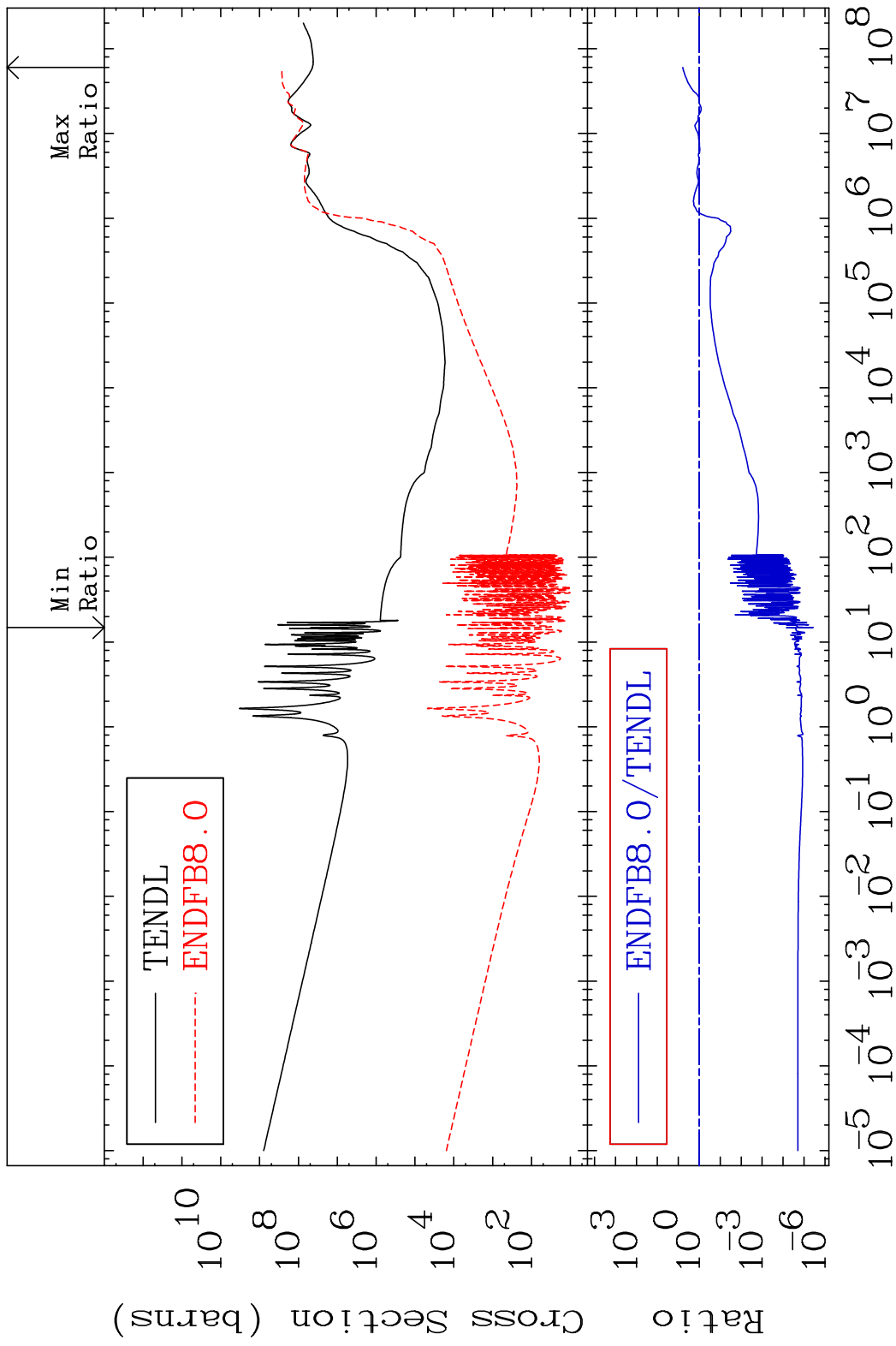
23 Incident Energy (eV) 91-Pa-233



MAT 9137 Total photon (eV-barns) 91-Pa-233  
 Cross Section -93.53 To 9999. %

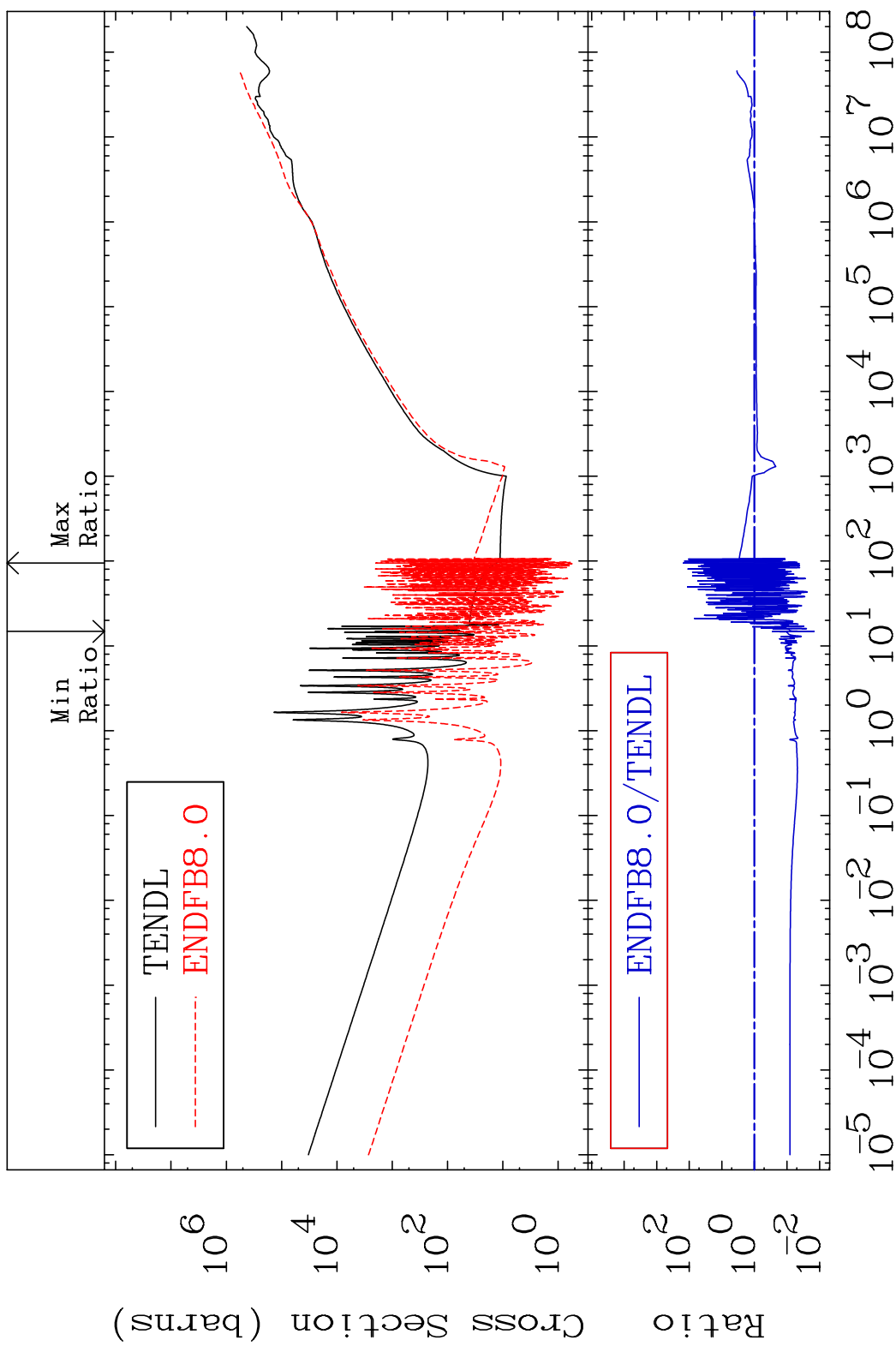


MAT 9137 Total kinematic kerma (high limit) 91-Pa-233  
 Cross Section -100.0 To 511.4 %

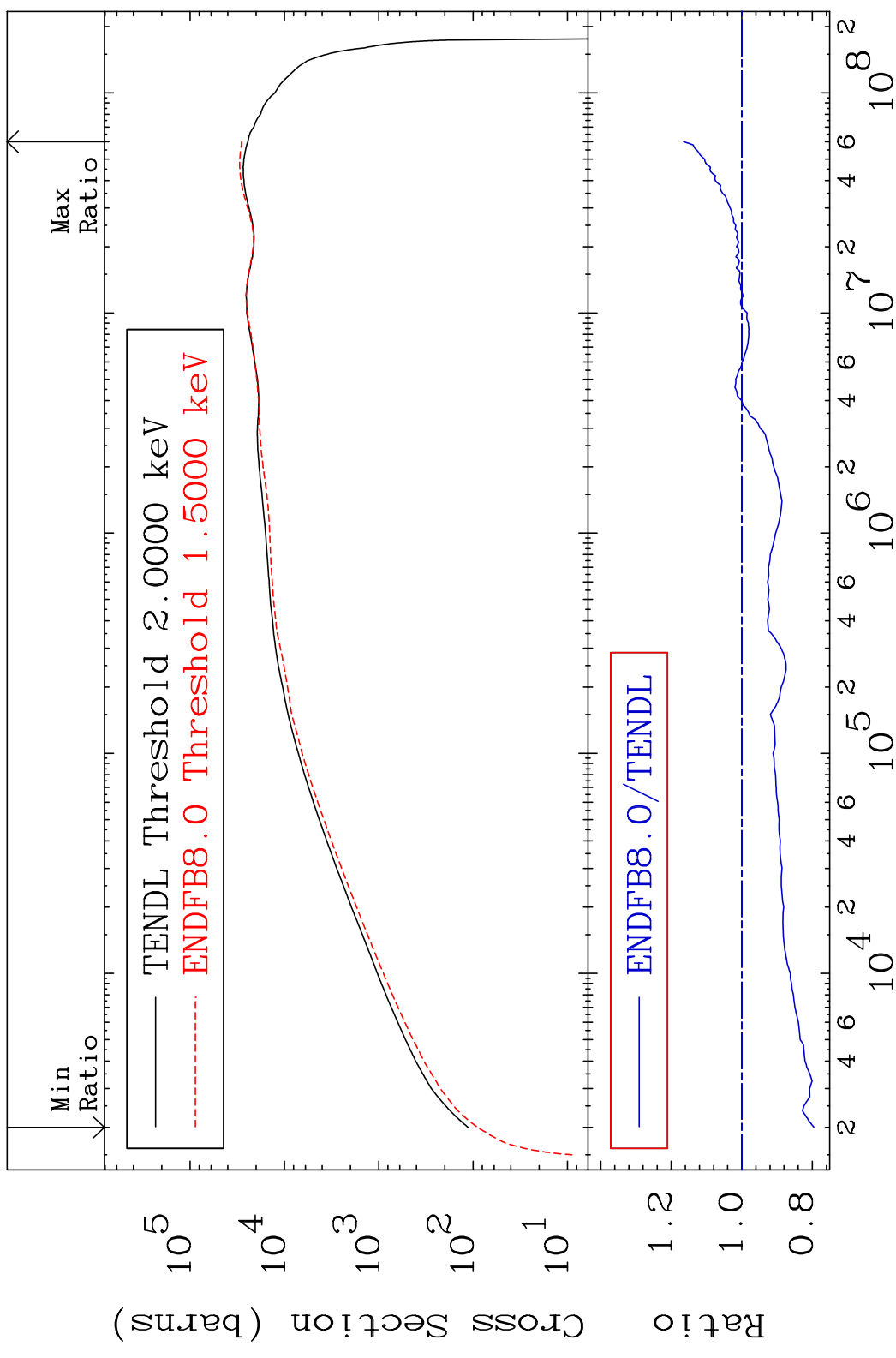


25 Incident Energy (eV) 91-Pa-233

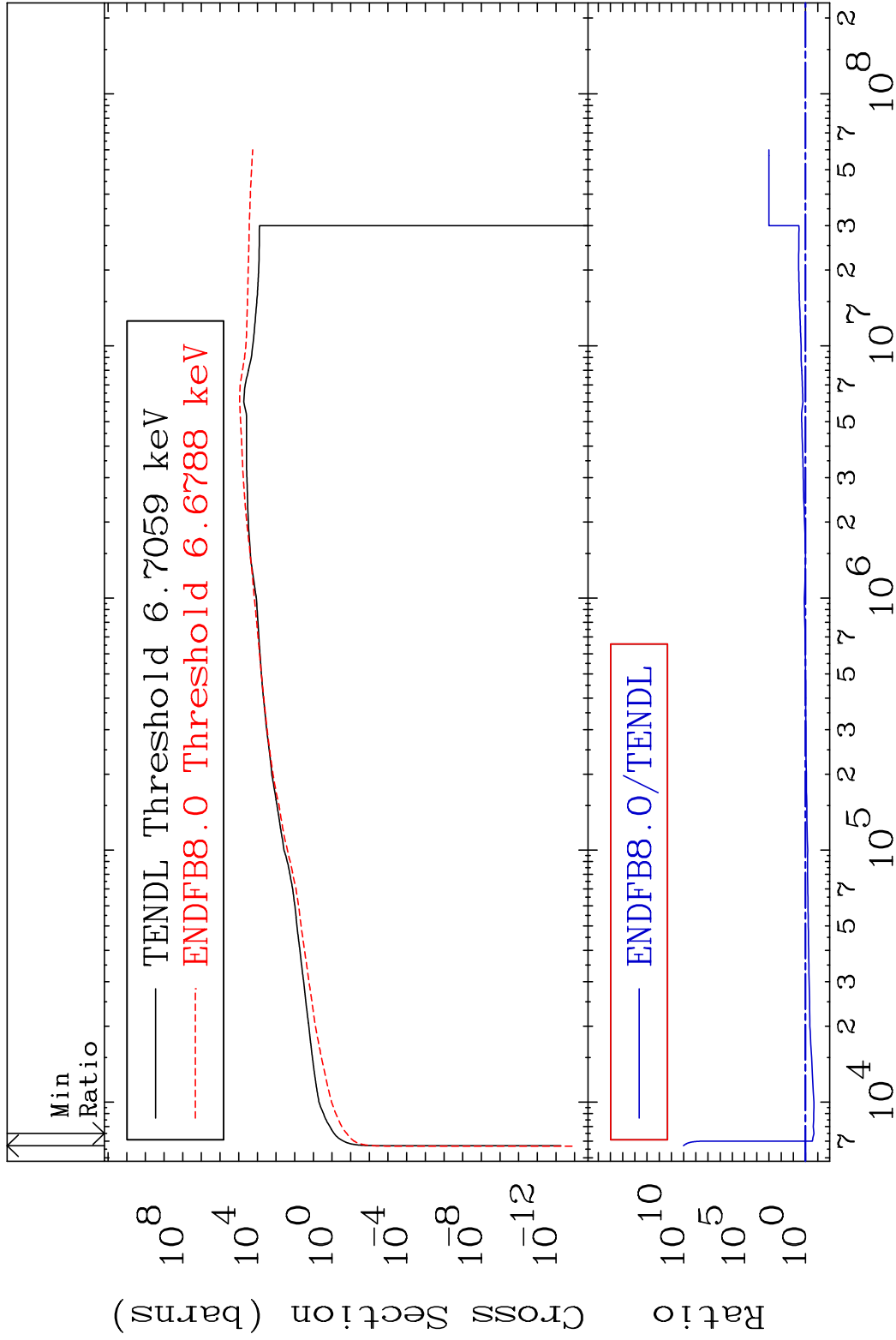
MAT 9137 Dpa total (eV-barns) 91-Pa-233  
 Cross Section -98.51 To 9999. %



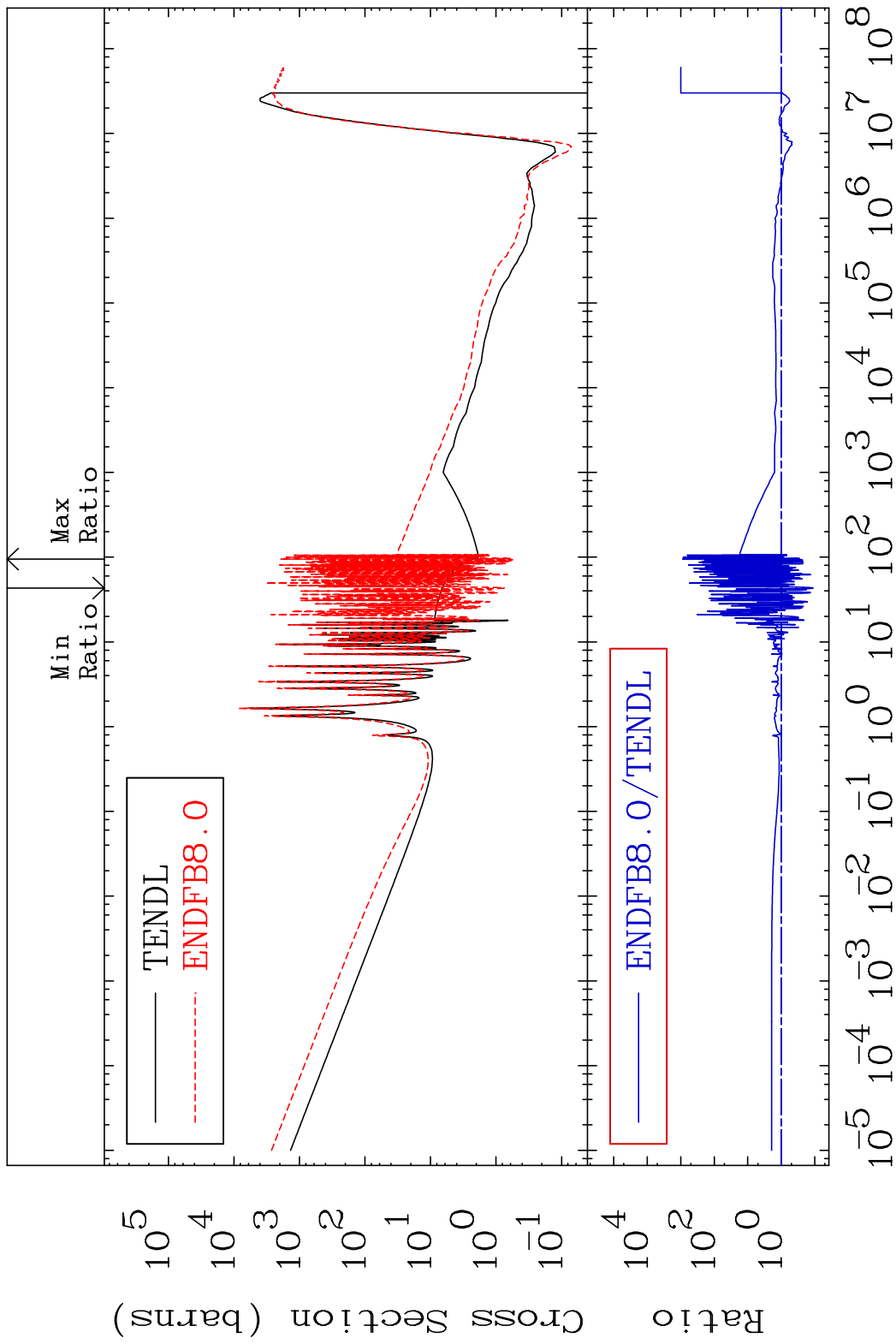
MAT 9137 Dpa elastic (mt2) 91-Pa-233  
 Cross Section -20.45 To 16.53 %



MAT 9137 Dpa inelastic (mt51-91) 91-Pa-233  
 Cross Section -79.14 To 9999. %



MAT 9137 Dpa disappearance (mt102 -120) 91-Pa-233  
 Cross Section -88.77 To 9999. %



29 Incident Energy (eV) 91-Pa-233