

Program Complot  
(Version 2018-1)

by

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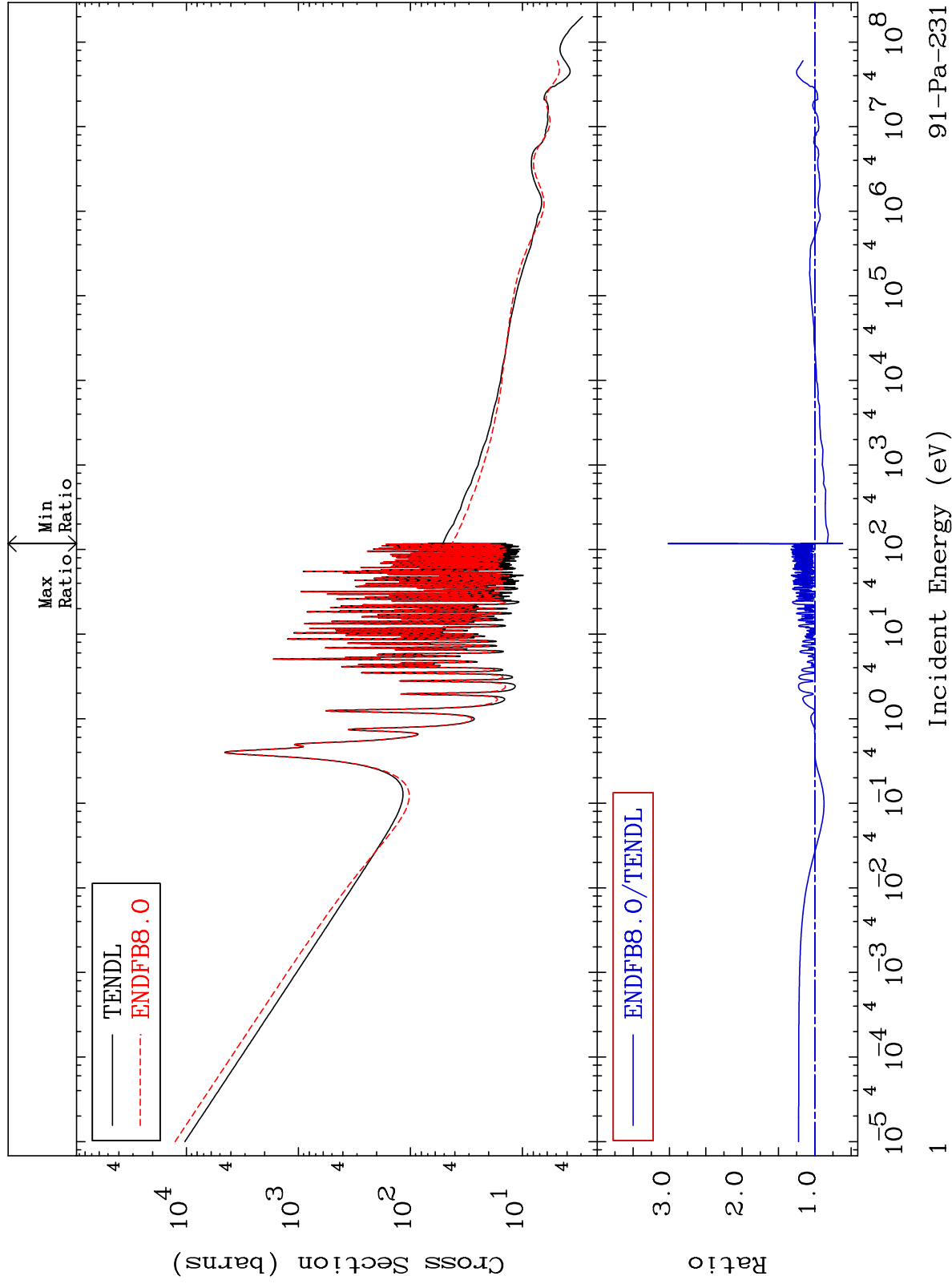
Press Mouse Button to Start

MAT 9131

91-Pa-231

-38.66 To 201.9 %

Total  
Cross Section



91-Pa-231

Incident Energy (eV)

1

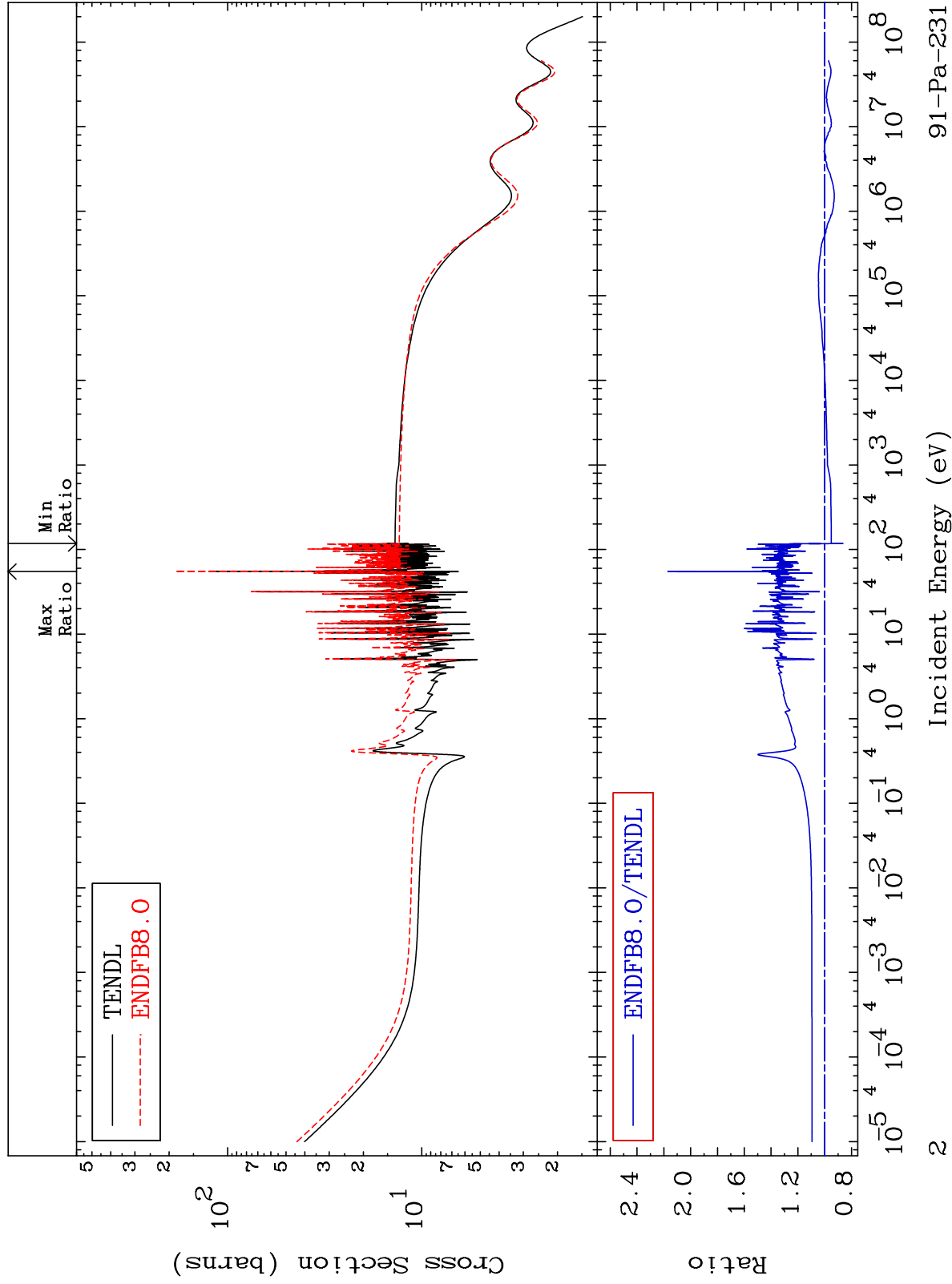
MAT 9131

Elastic

91-Pa-231

Cross Section

-13.57 To 116.9 %



91-Pa-231

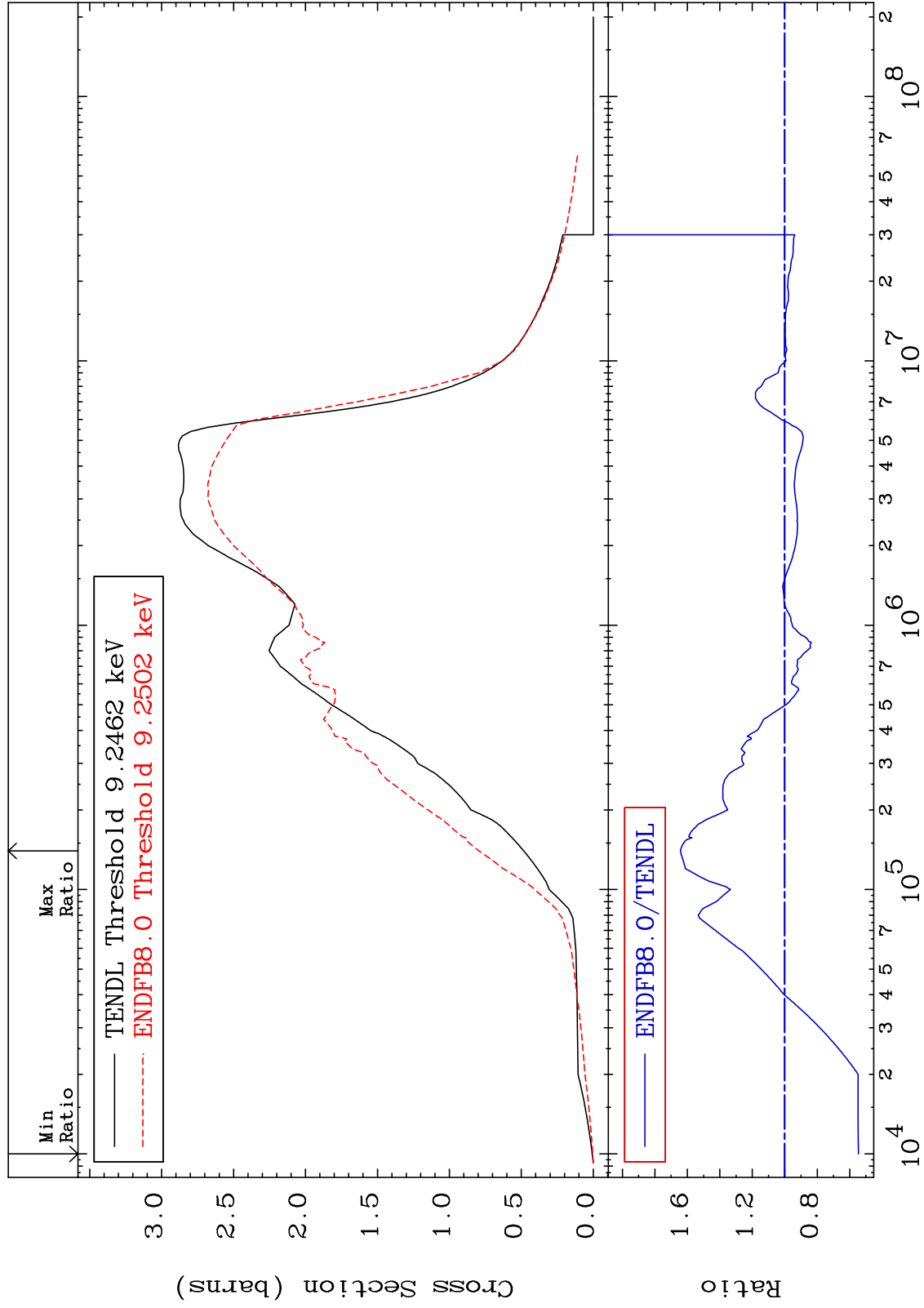
Incident Energy (eV)

2

MAT 9131

Inelastic  
Cross Section

91-Pa-231  
-45.44 To 64.26 %



Incident Energy (eV)

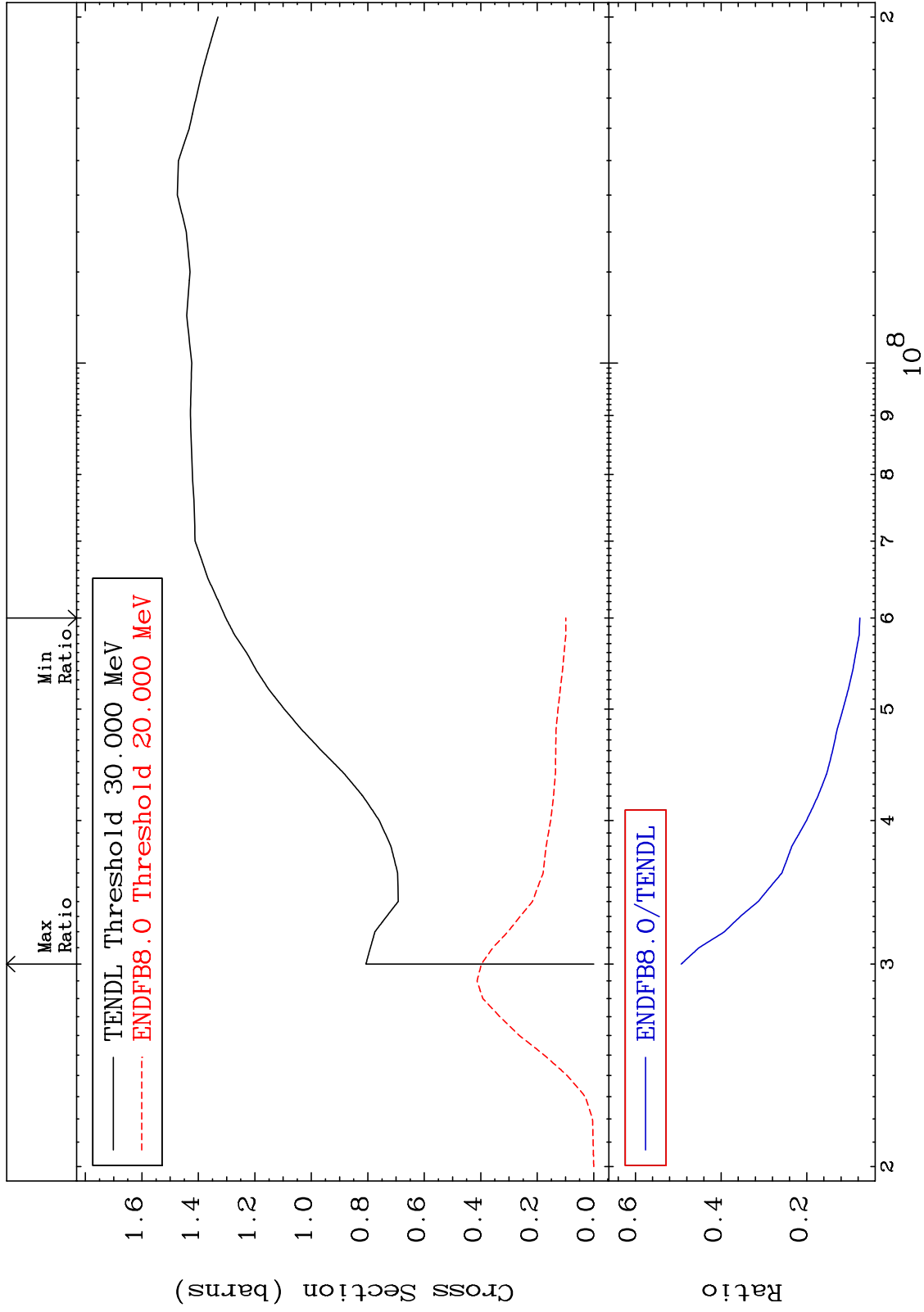
91-Pa-231

3

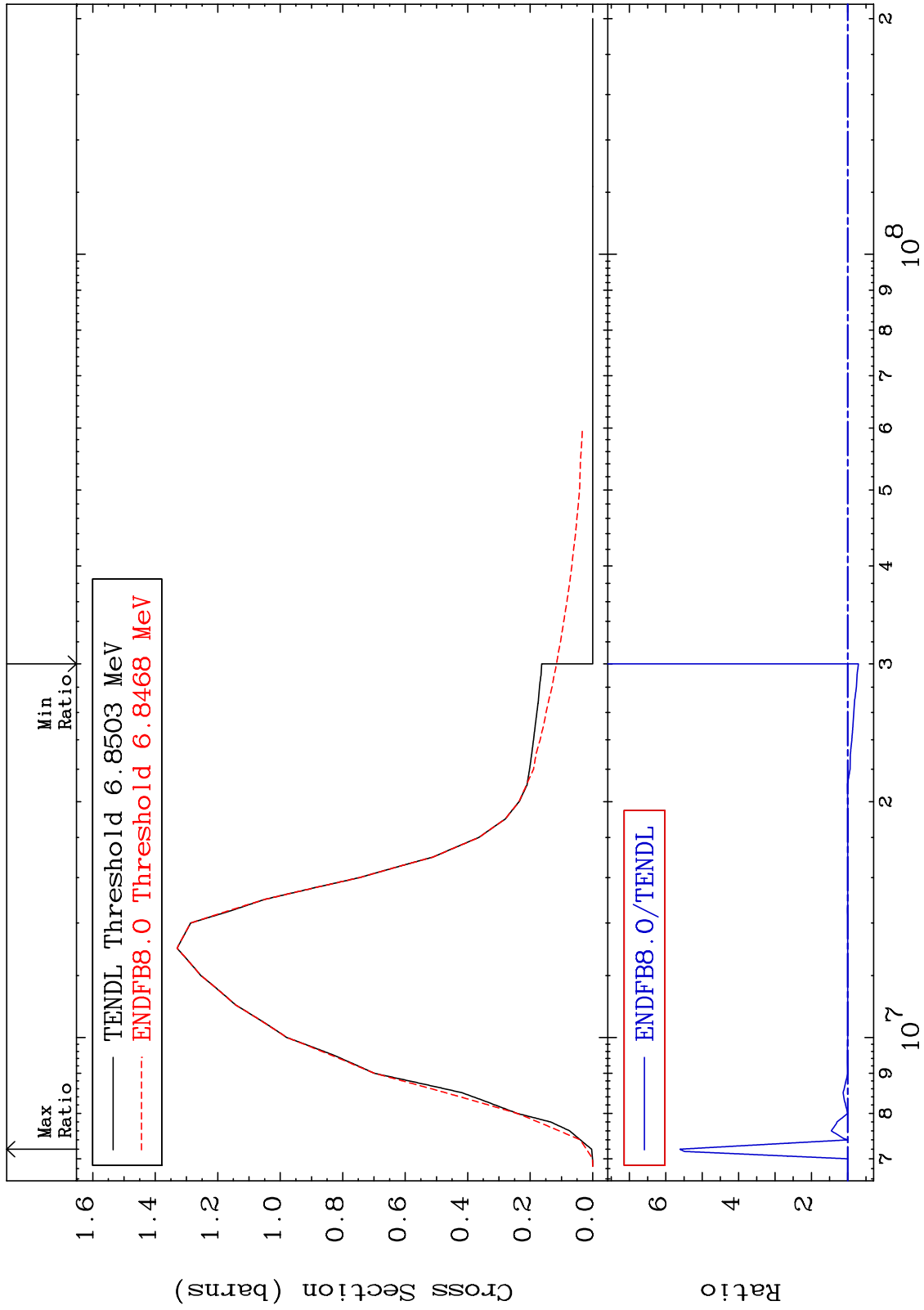
MAT 9131

(n, remainder)  
Cross Section

91-Pa-231  
-92.42 To -50.70%



MAT 9131 (n,2n) Cross Section 91-Pa-231 -29.27 To 460.9 %



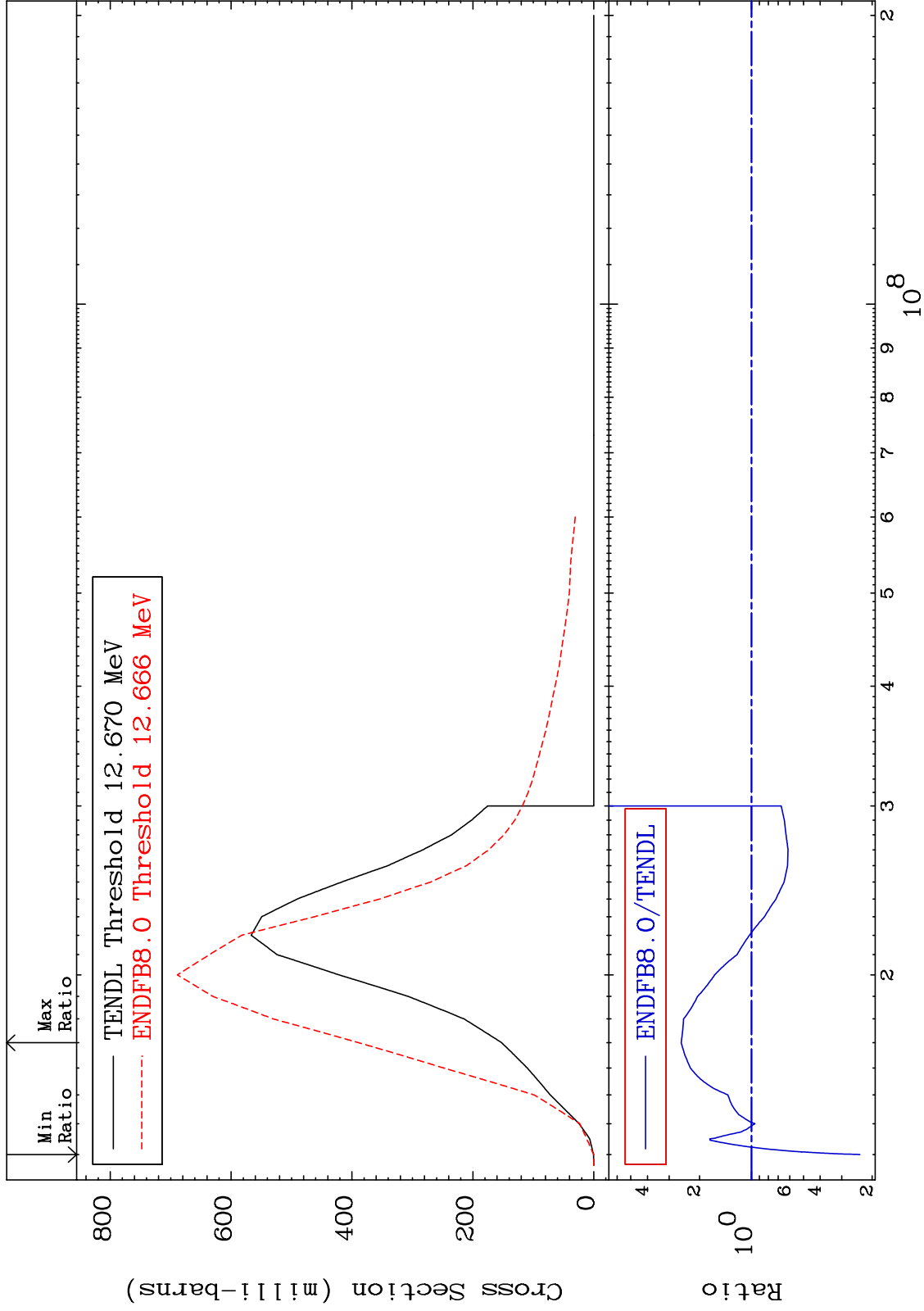
MAT 9131

(n, 3n)

91-Pa-231

Cross Section

-76.44 To 155.2 %



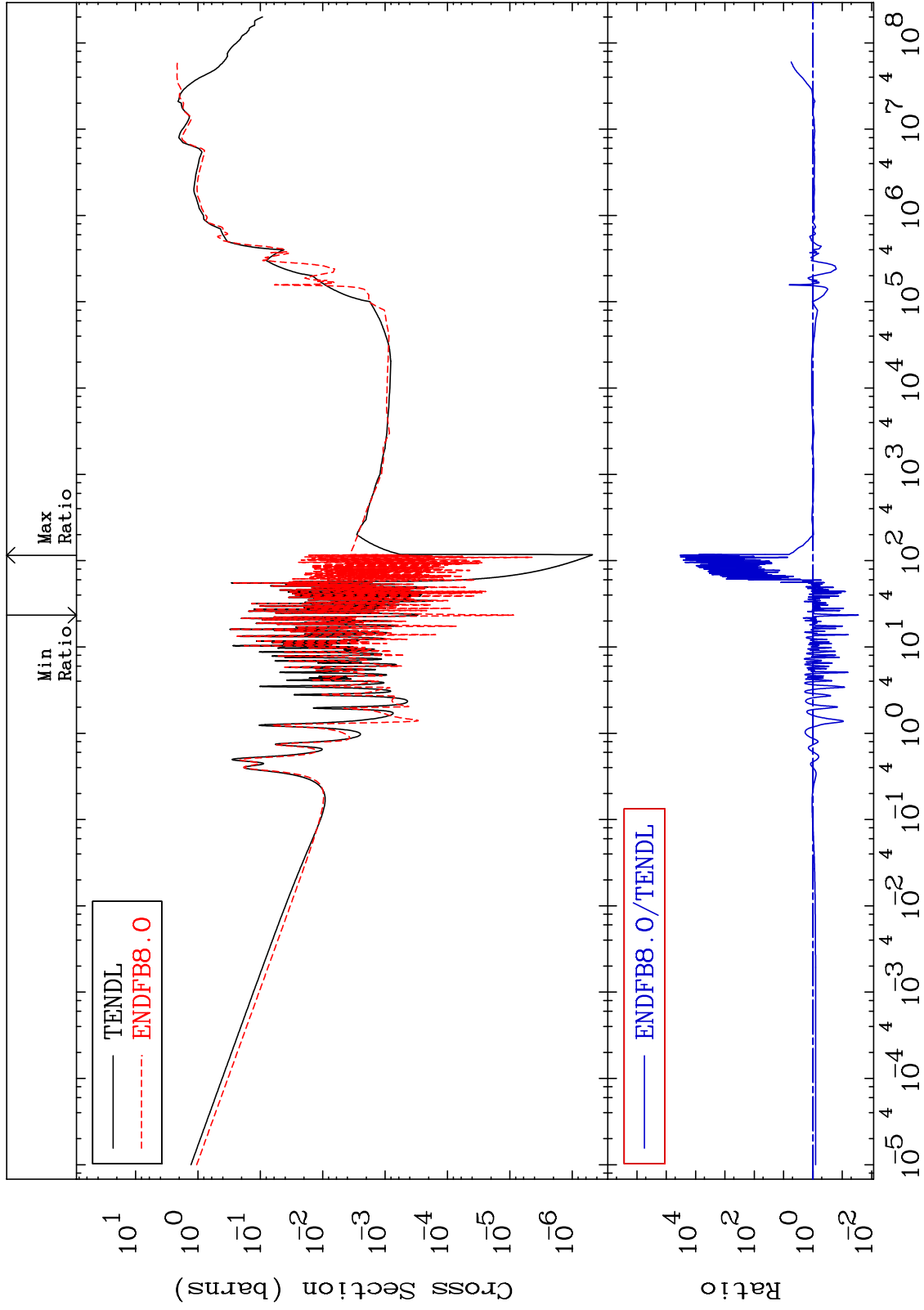
6

Incident Energy (eV)

91-Pa-231

MAT 9131

Fission Cross Section  
91-Pa-231  
-97.19 To 9999. %





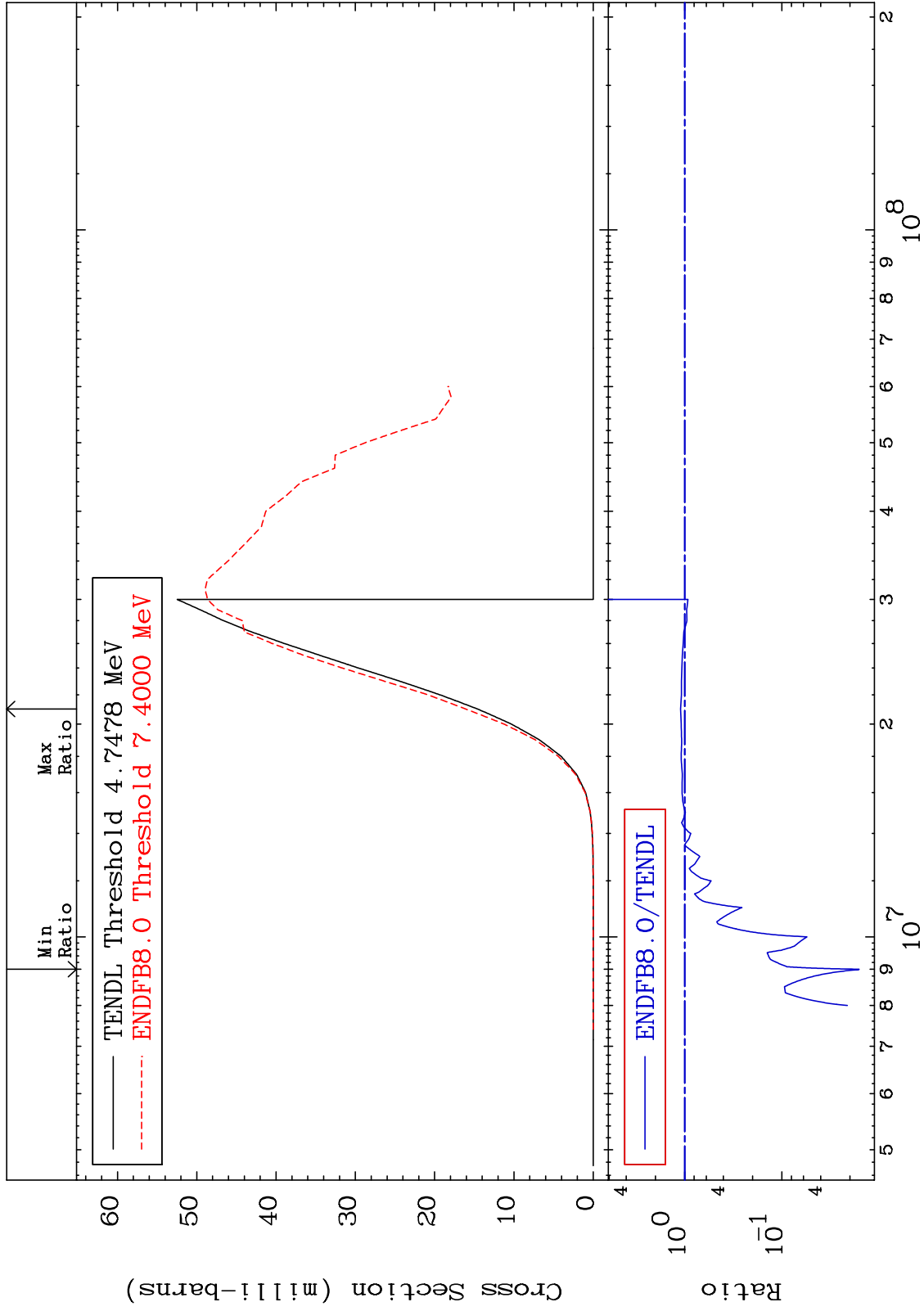
MAT 9131

(n,n') p

91-Pa-231

Cross Section

-98.39 To 10.22 %



8

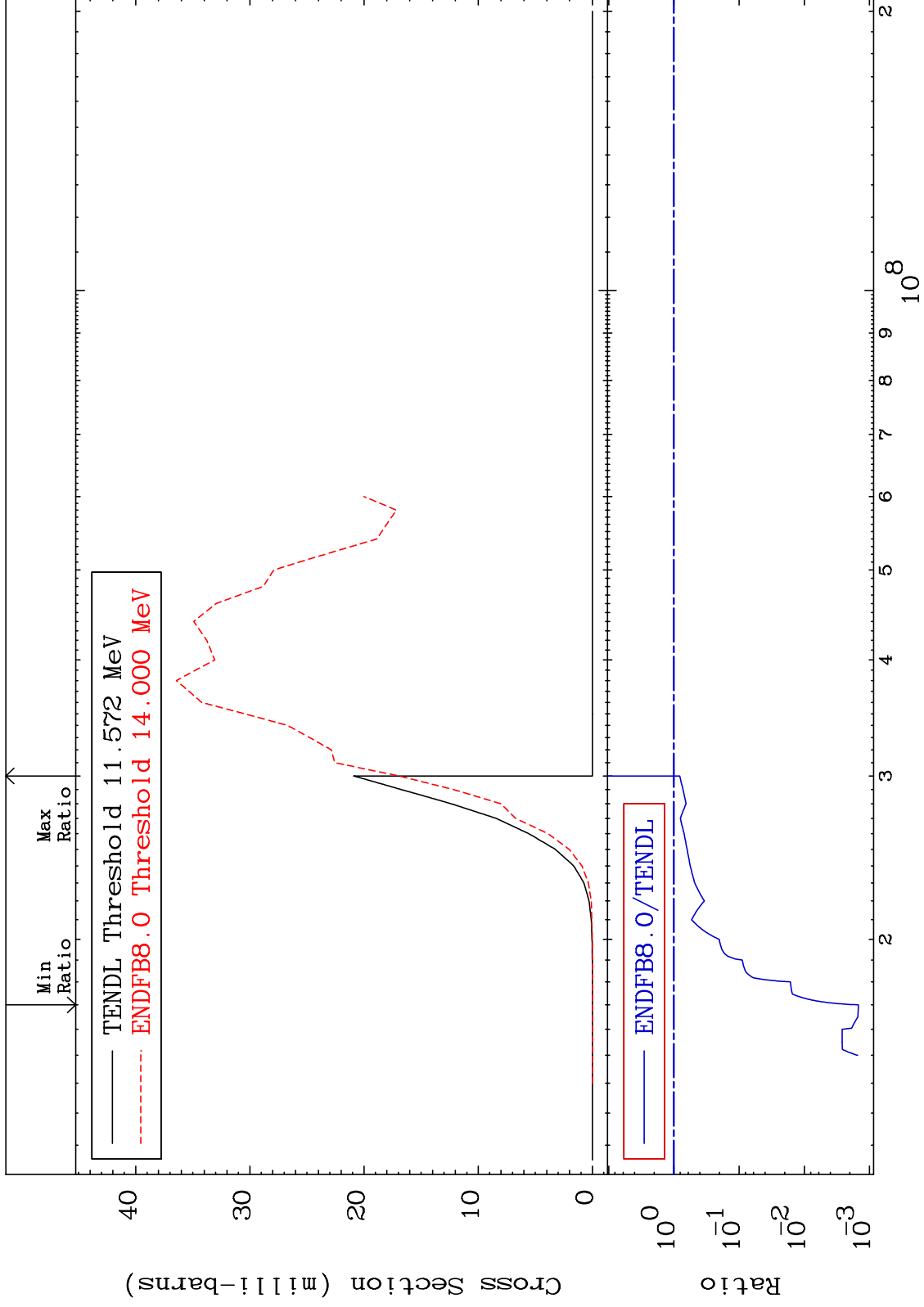
Incident Energy (eV)

91-Pa-231

MAT 9131

(n,2n) p  
Cross Section

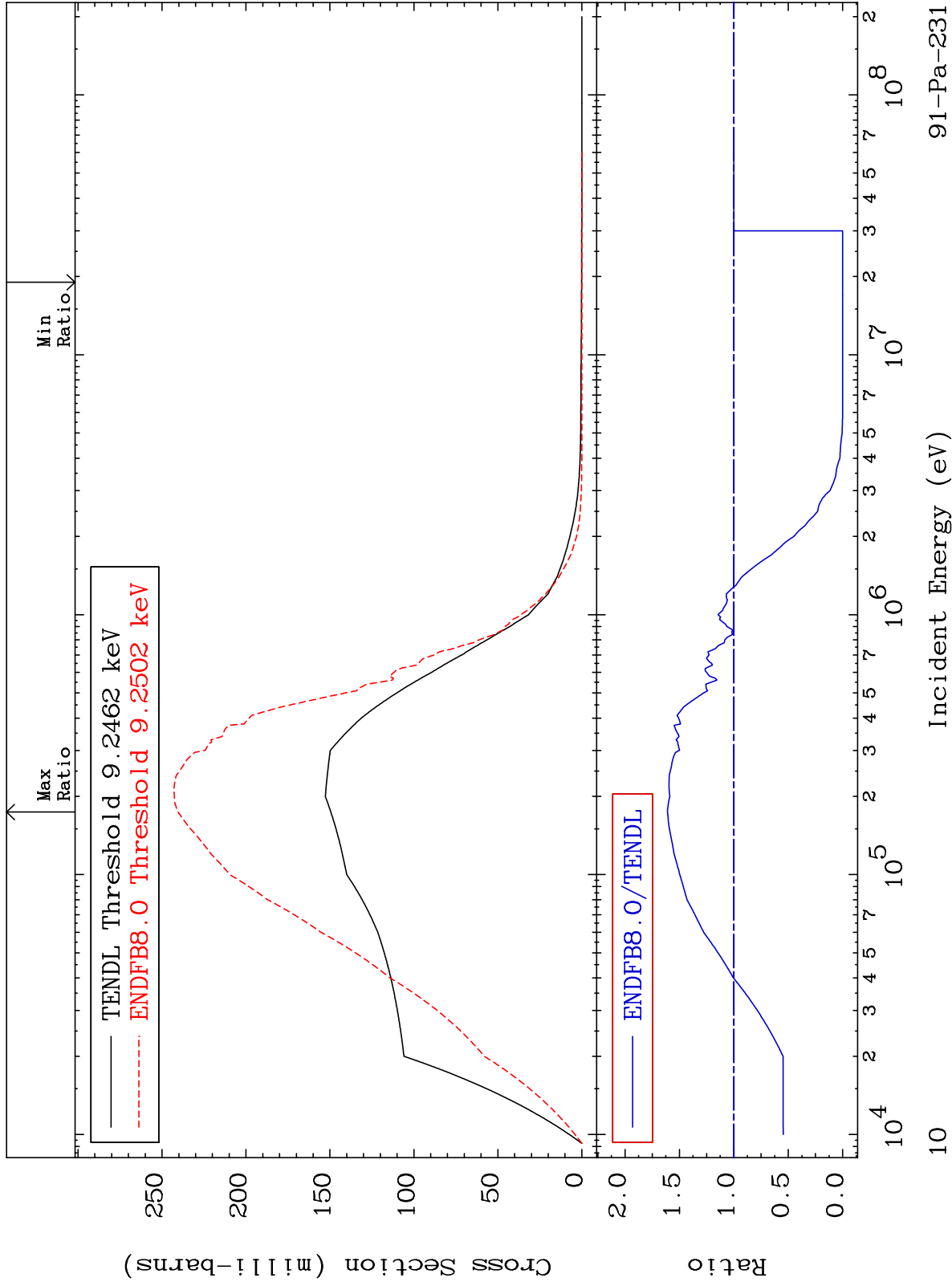
91-Pa-231  
-99.85 To -18.84%



MAT 9131

MT= 51 (n,n') Level  
Cross Section

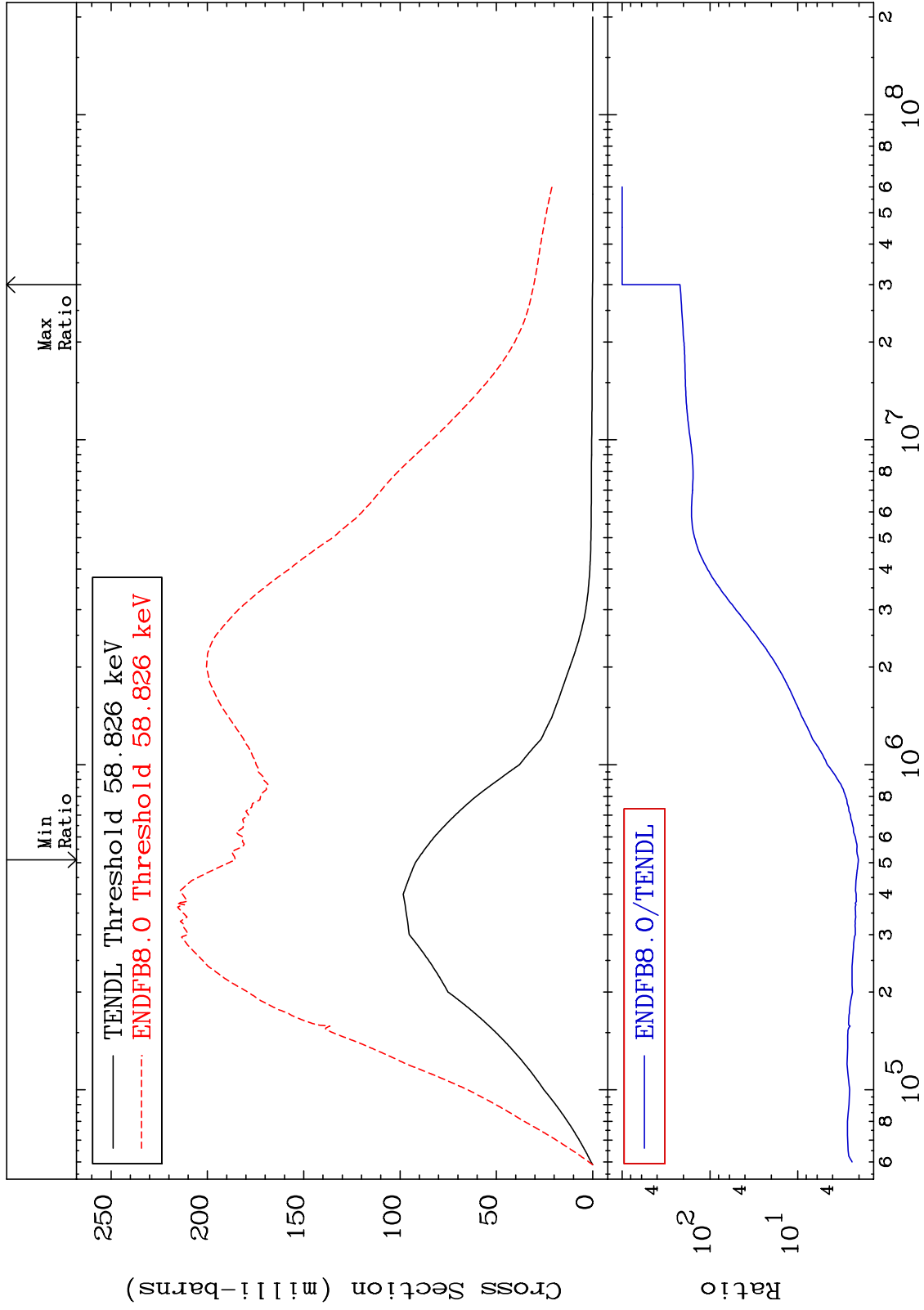
91-Pa-231  
-100.0 To 60.91 %



MAT 9131

MT= 52 (n,n') Level  
Cross Section

91-Pa-231  
103.8 To 9999. %



11

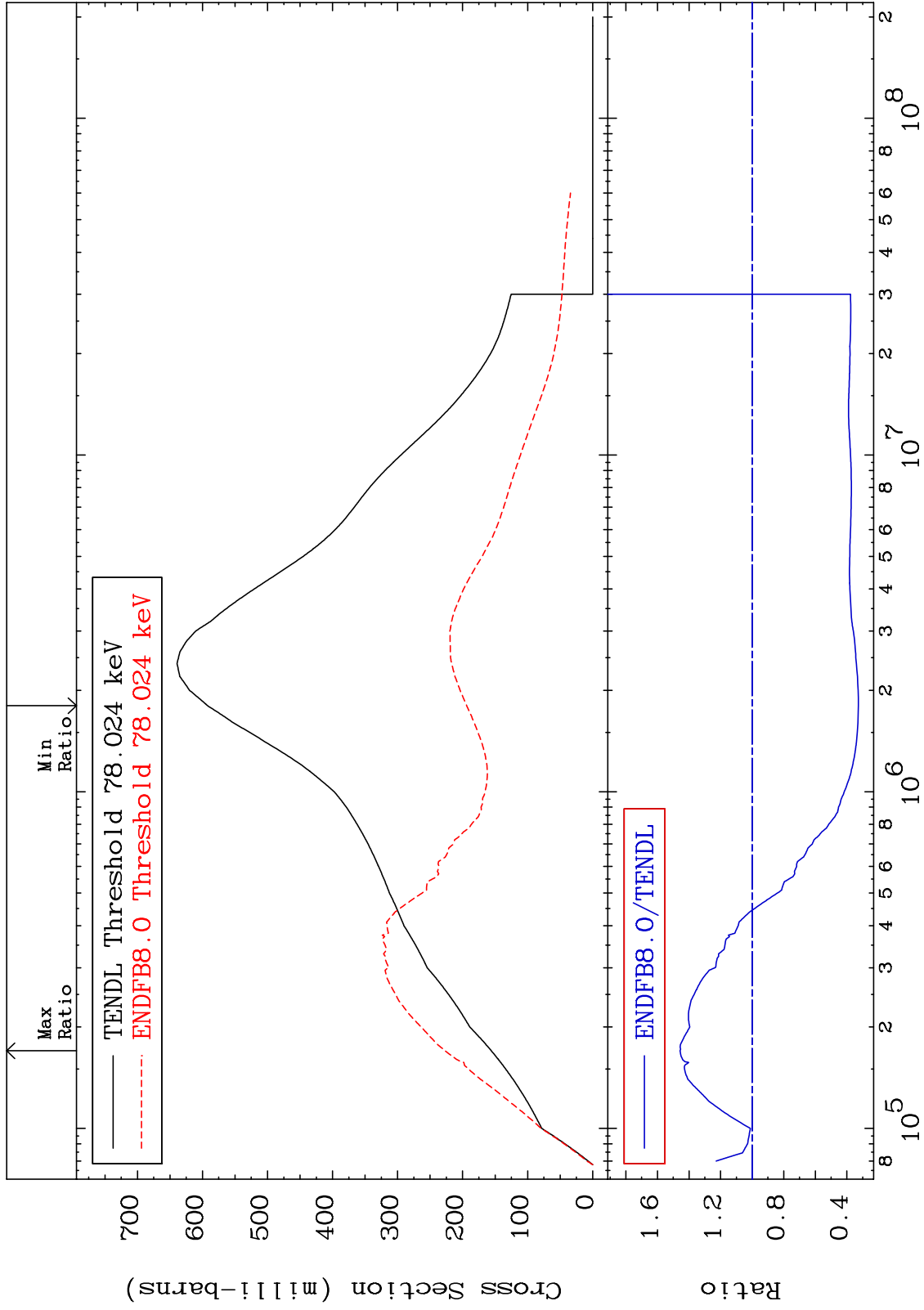
Incident Energy (eV)

91-Pa-231

MAT 9131

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

91-Pa-231  
-67.29 To 45.70 %



12

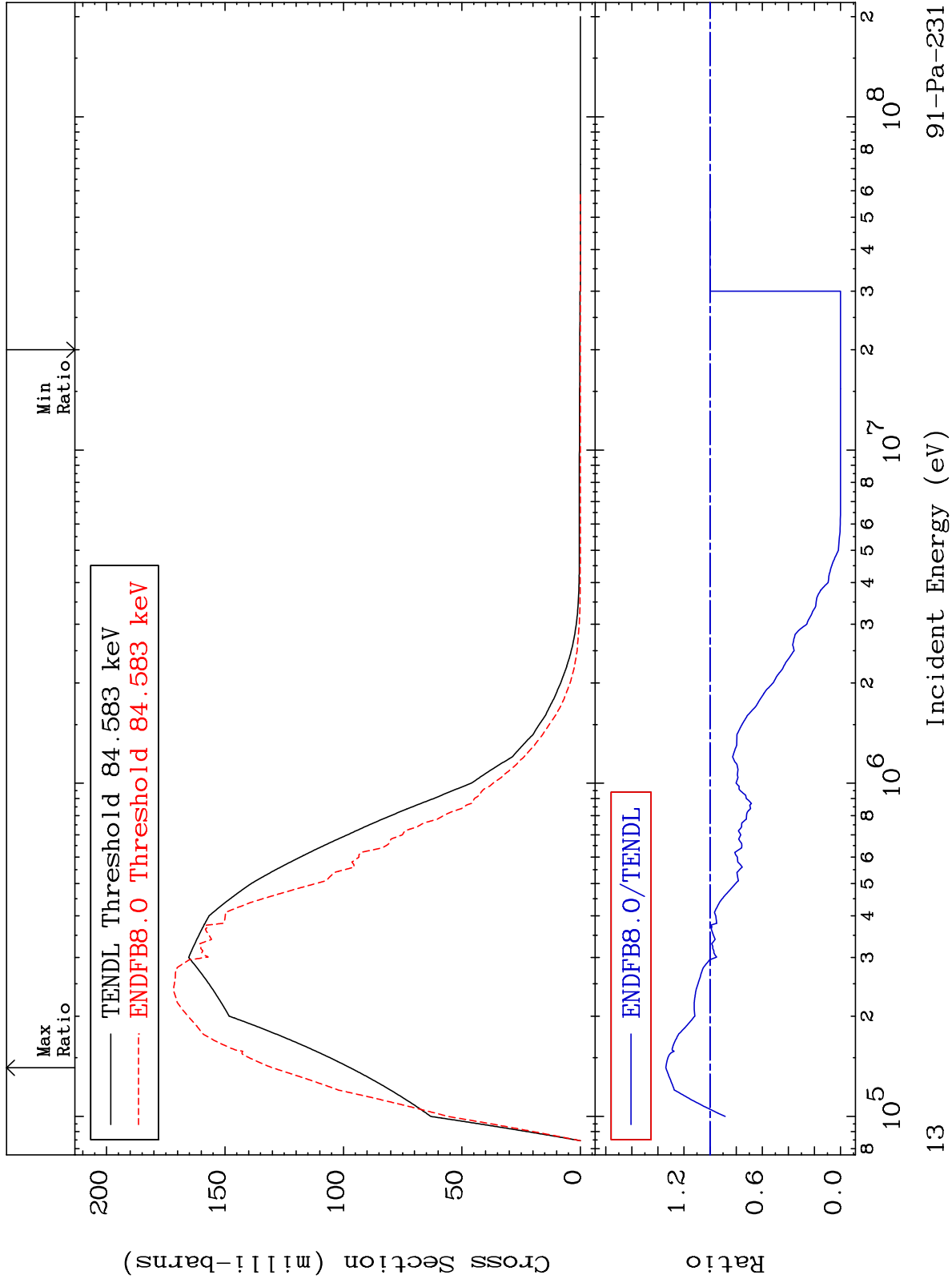
Incident Energy (eV)

91-Pa-231

MAT 9131

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

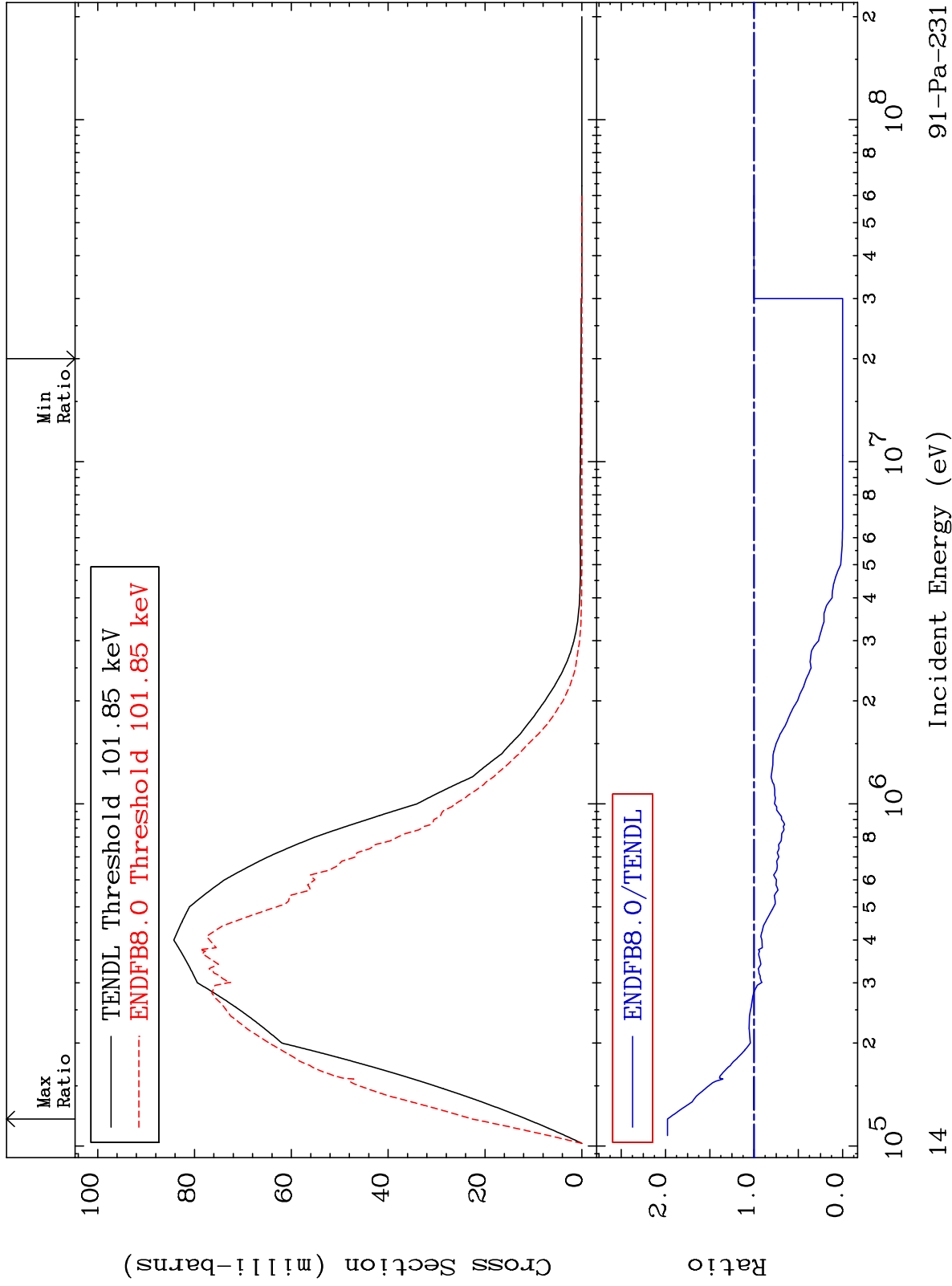
91-Pa-231  
-100.0 To 33.90 %



MAT 9131

MT= 55 (n,n') Level  
Cross Section

91-Pa-231  
-100.0 To 97.68 %



91-Pa-231

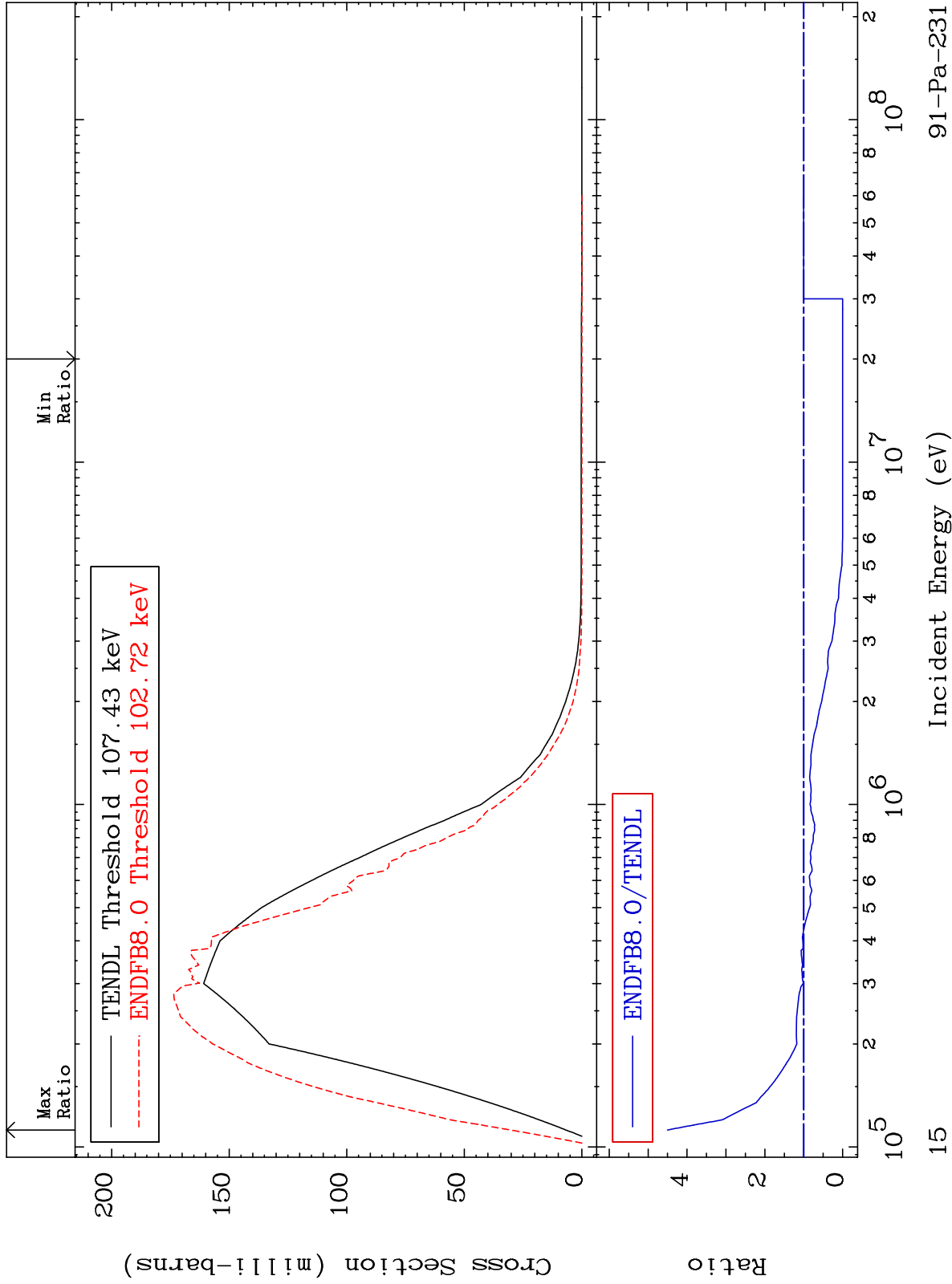
Incident Energy (eV)

14

MAT 9131

MT= 56 (n,n') Level  
Cross Section

91-Pa-231  
-100.0 To 350.1 %

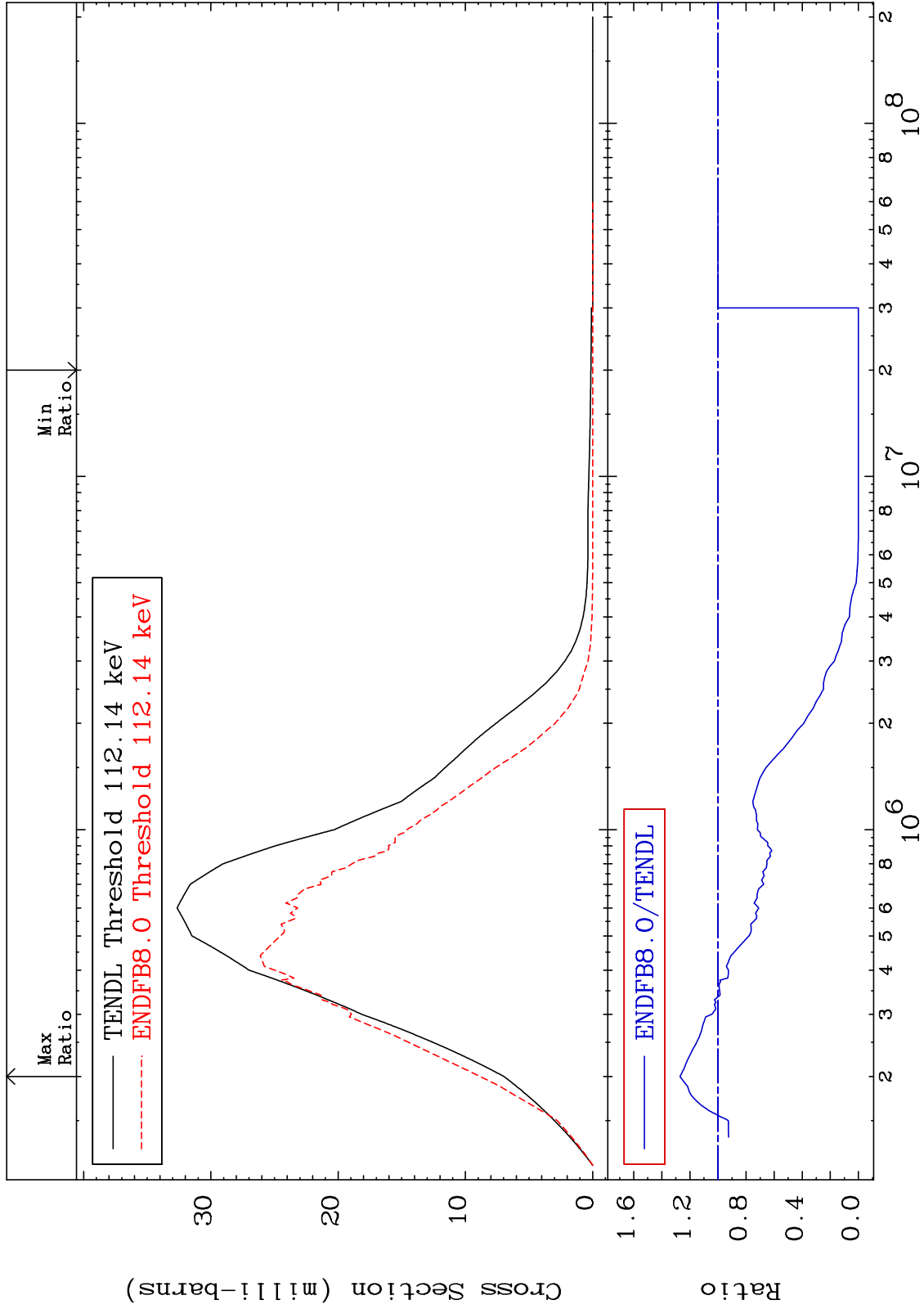


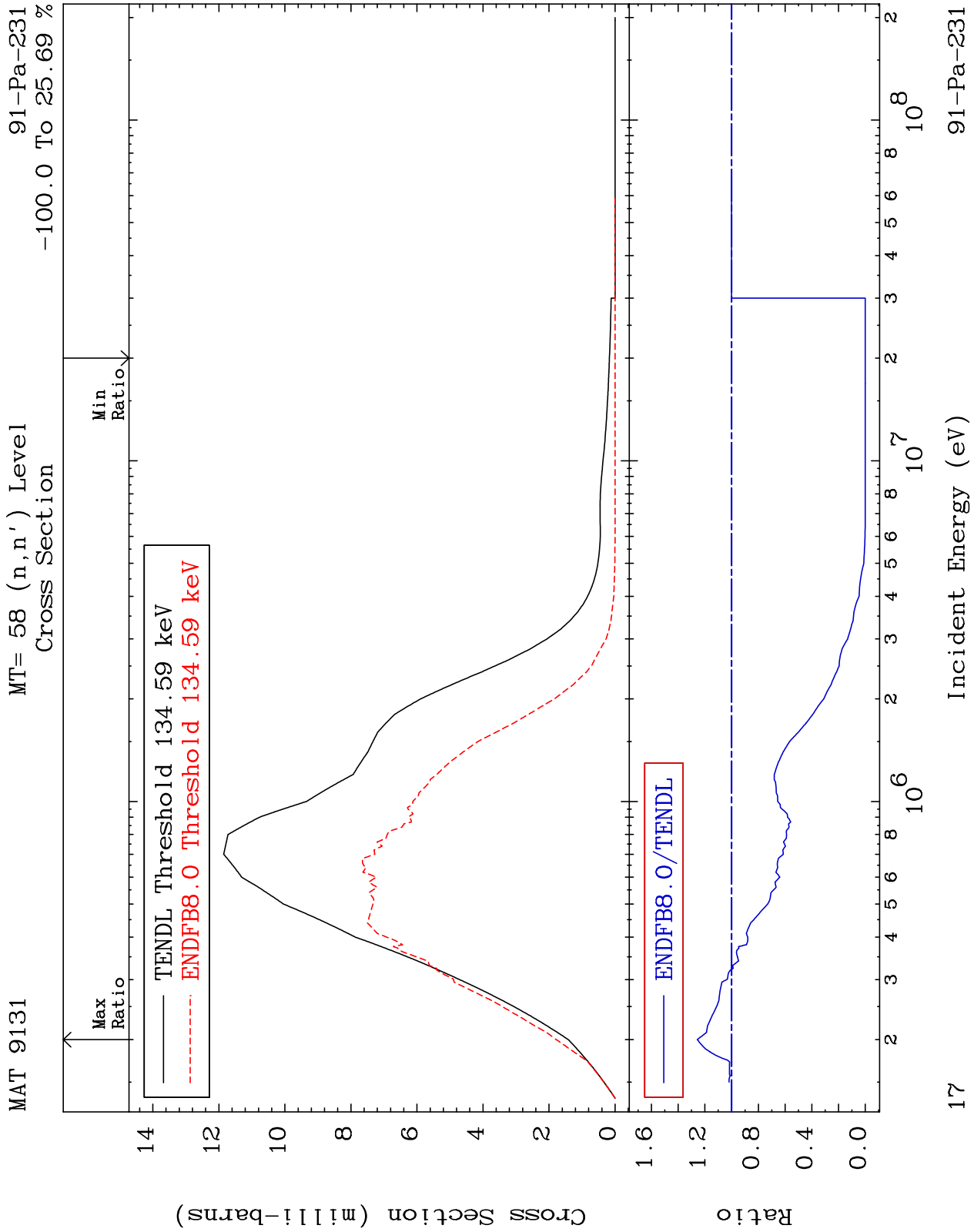


MAT 9131

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

91-Pa-231  
-100.0 To 27.04 %

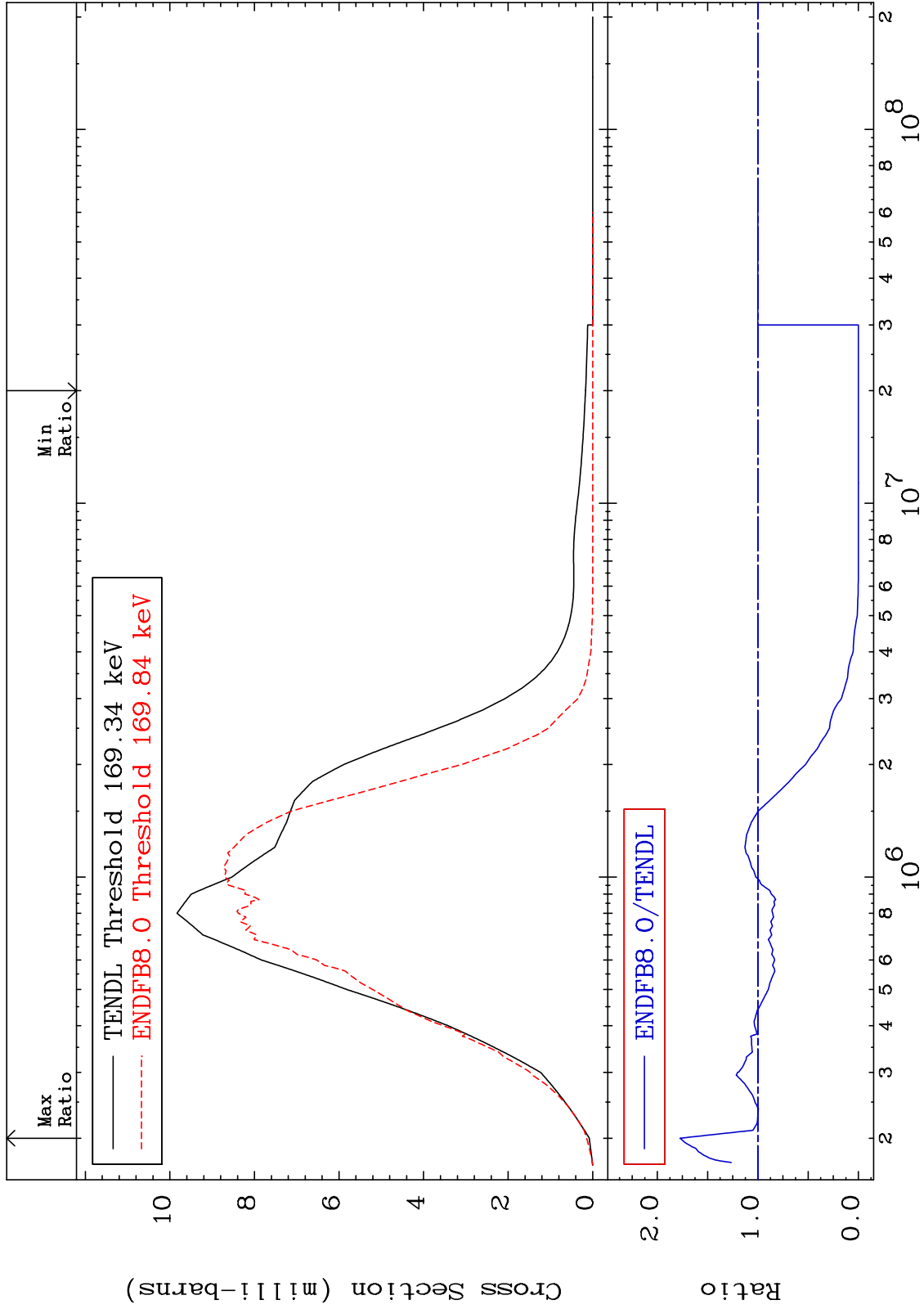




MAT 9131

MT= 59 (n,n') Level  
Cross Section

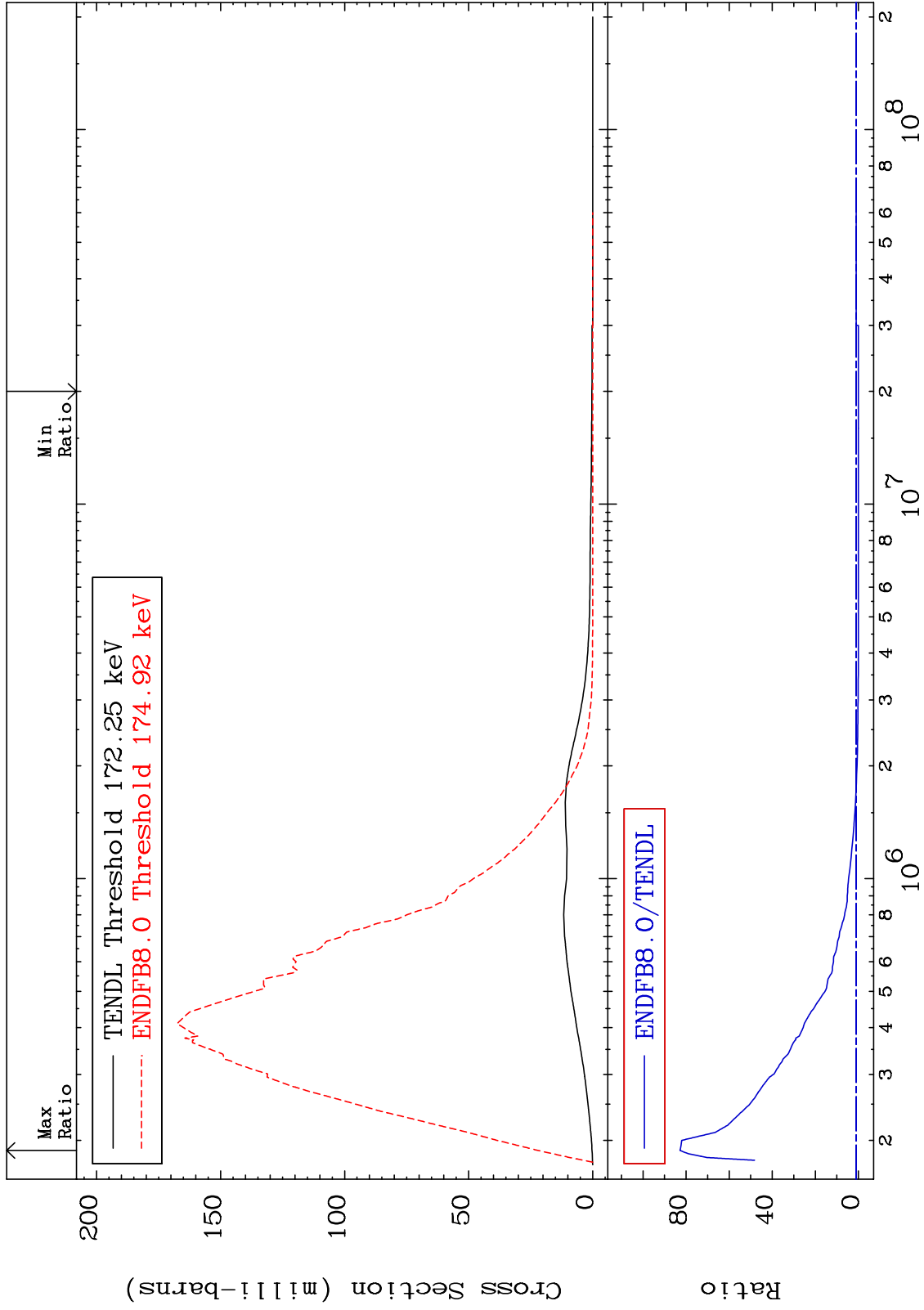
91-Pa-231  
-100.0 To 77.41 %



MAT 9131

MT= 60 (n,n') Level  
Cross Section

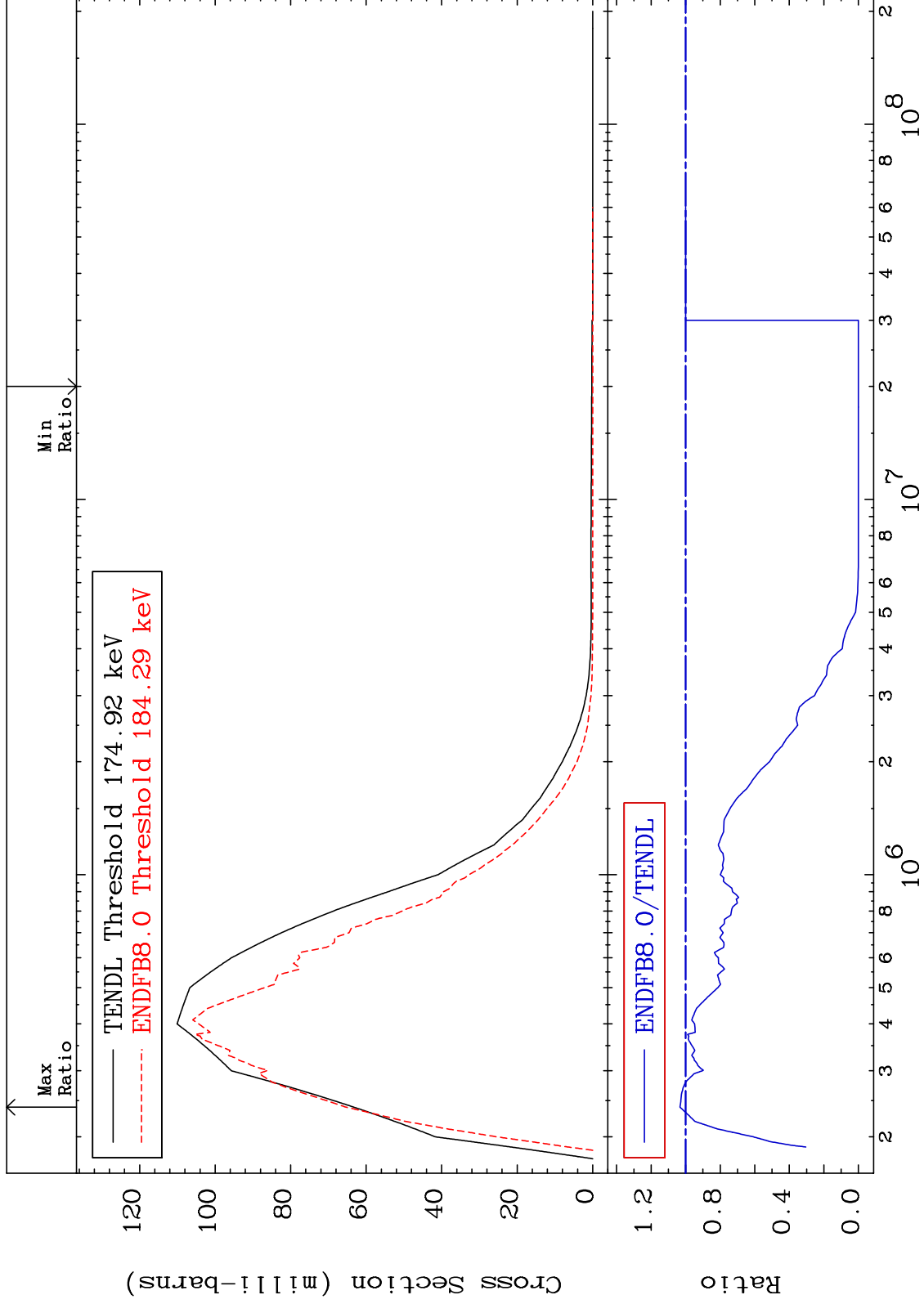
91-Pa-231  
-100.0 To 8182. %



MAT 9131

MT= 61 (n,n') Level  
Cross Section

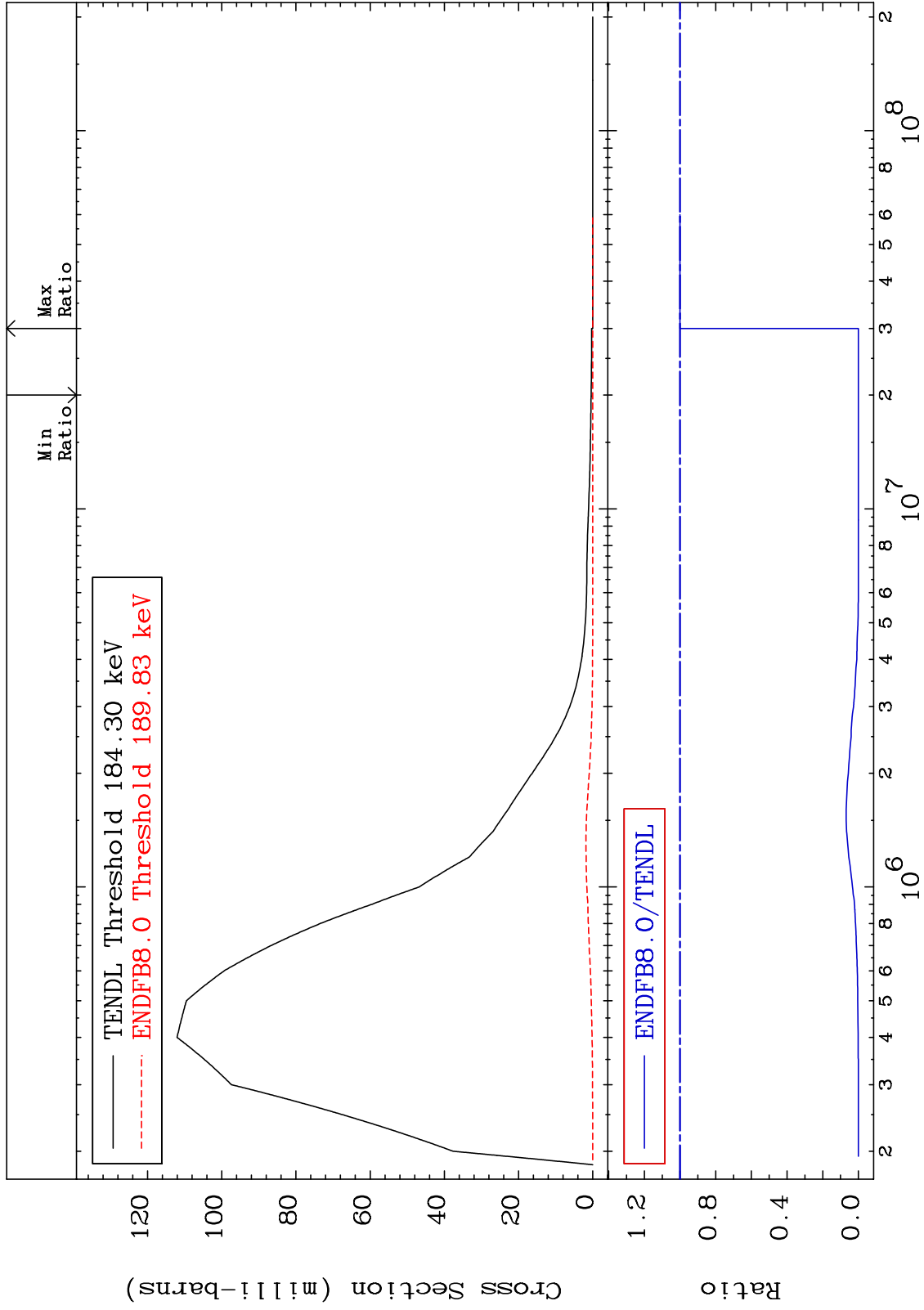
91-Pa-231  
-100.0 To 3.273 %



MAT 9131

MT= 62 (n,n') Level  
Cross Section

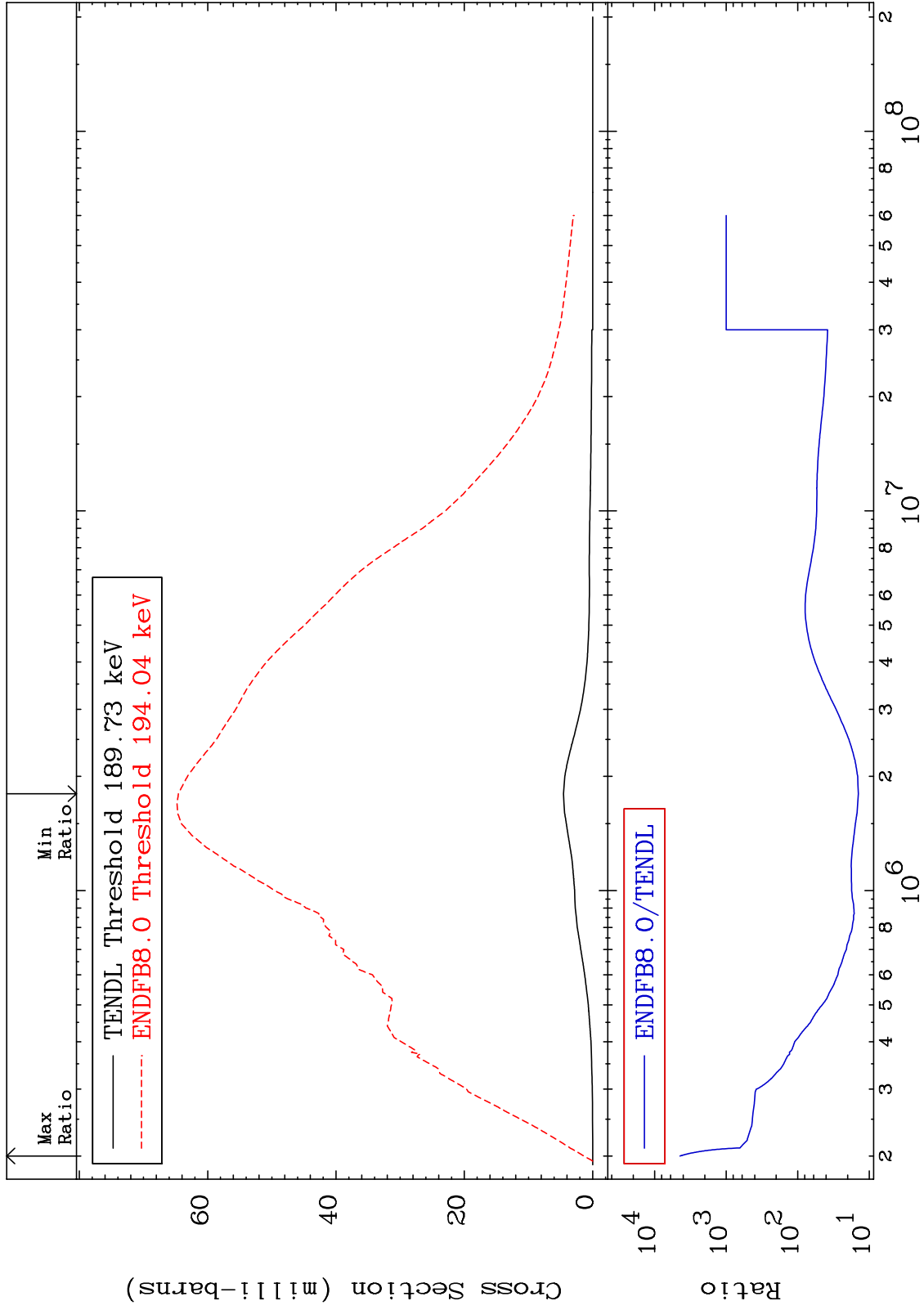
91-Pa-231  
-100.0 To 0.000 %



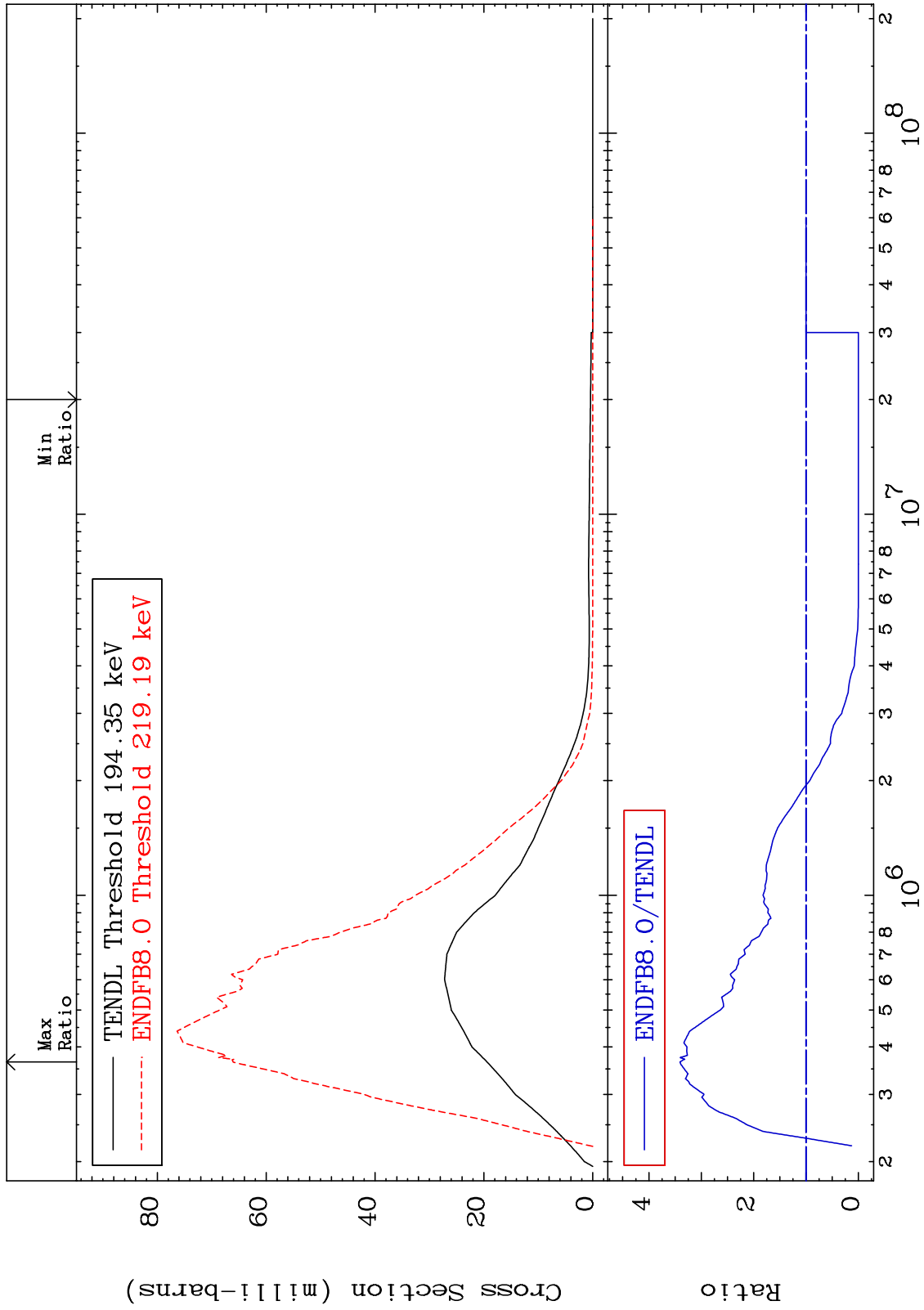
MAT 9131

MT= 63 (n,n') Level  
Cross Section

91-Pa-231  
1316. To 9999. %



MAT 9131      MT= 64 (n,n') Level Cross Section      91-Pa-231  
 -100.0 To 240.6 %

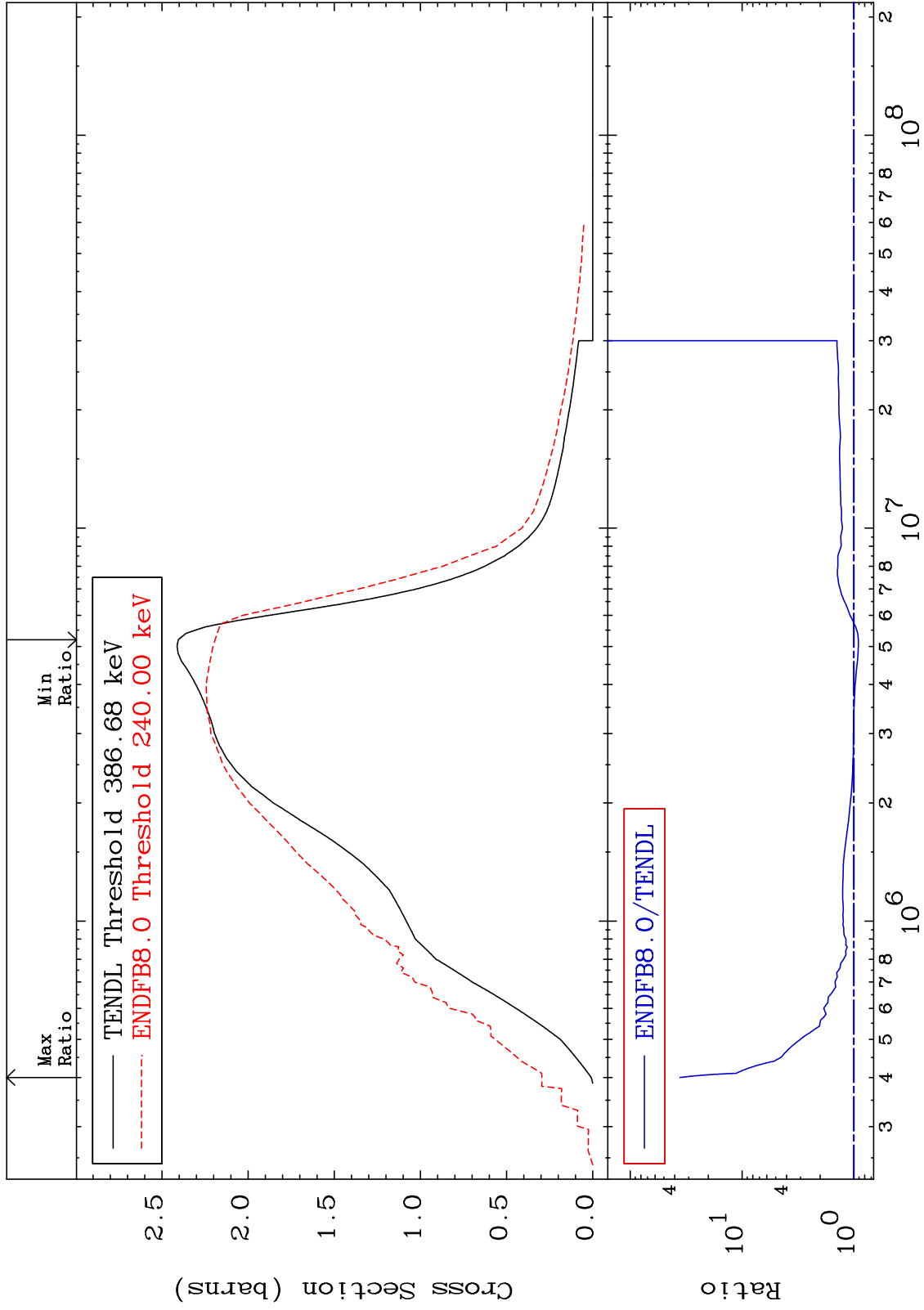




MAT 9131

(n, n') Continuum  
Cross Section

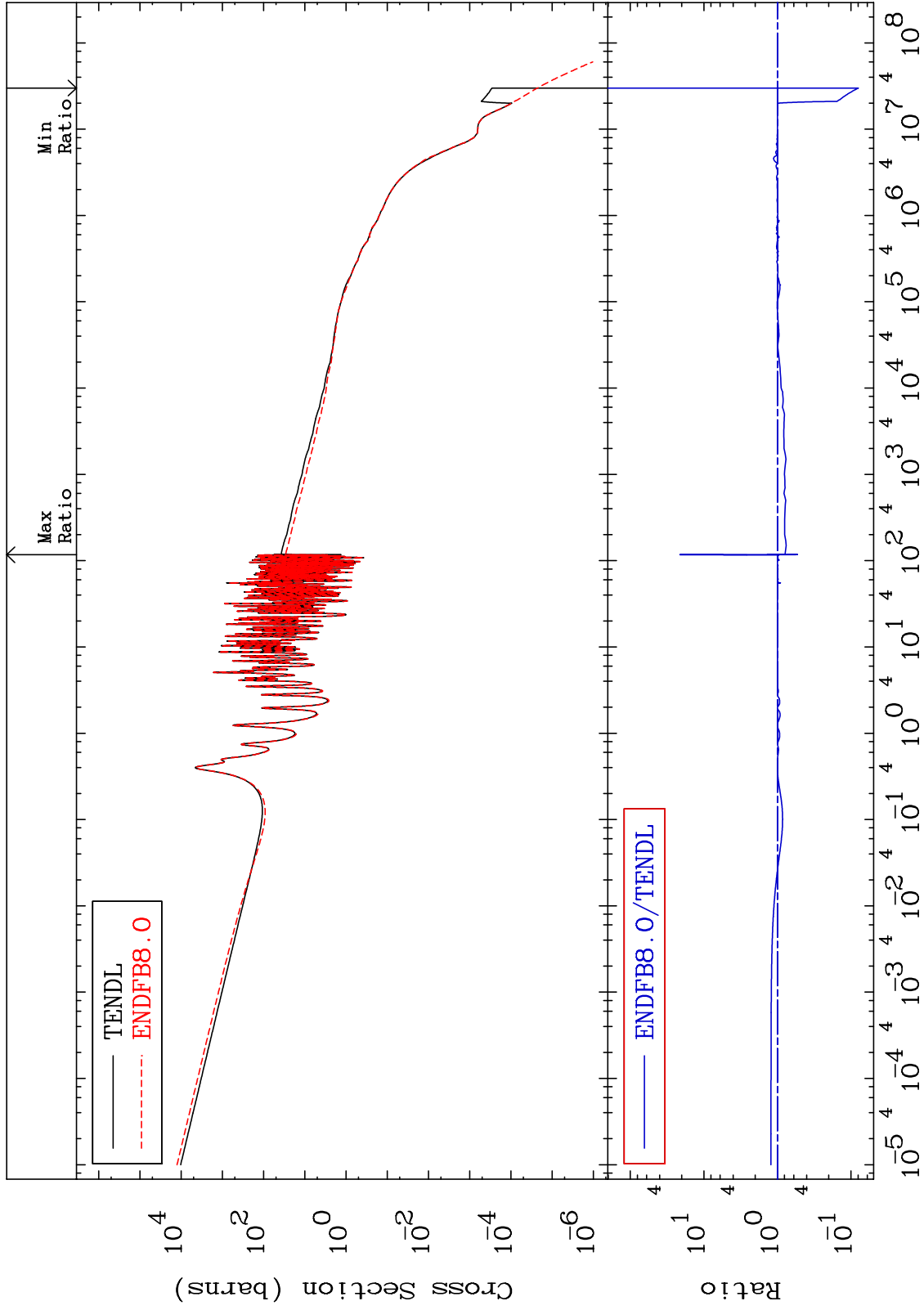
91-Pa-231  
-8.888 To 3484. %



MAT 9131

(n,  $\gamma$ )  
Cross Section

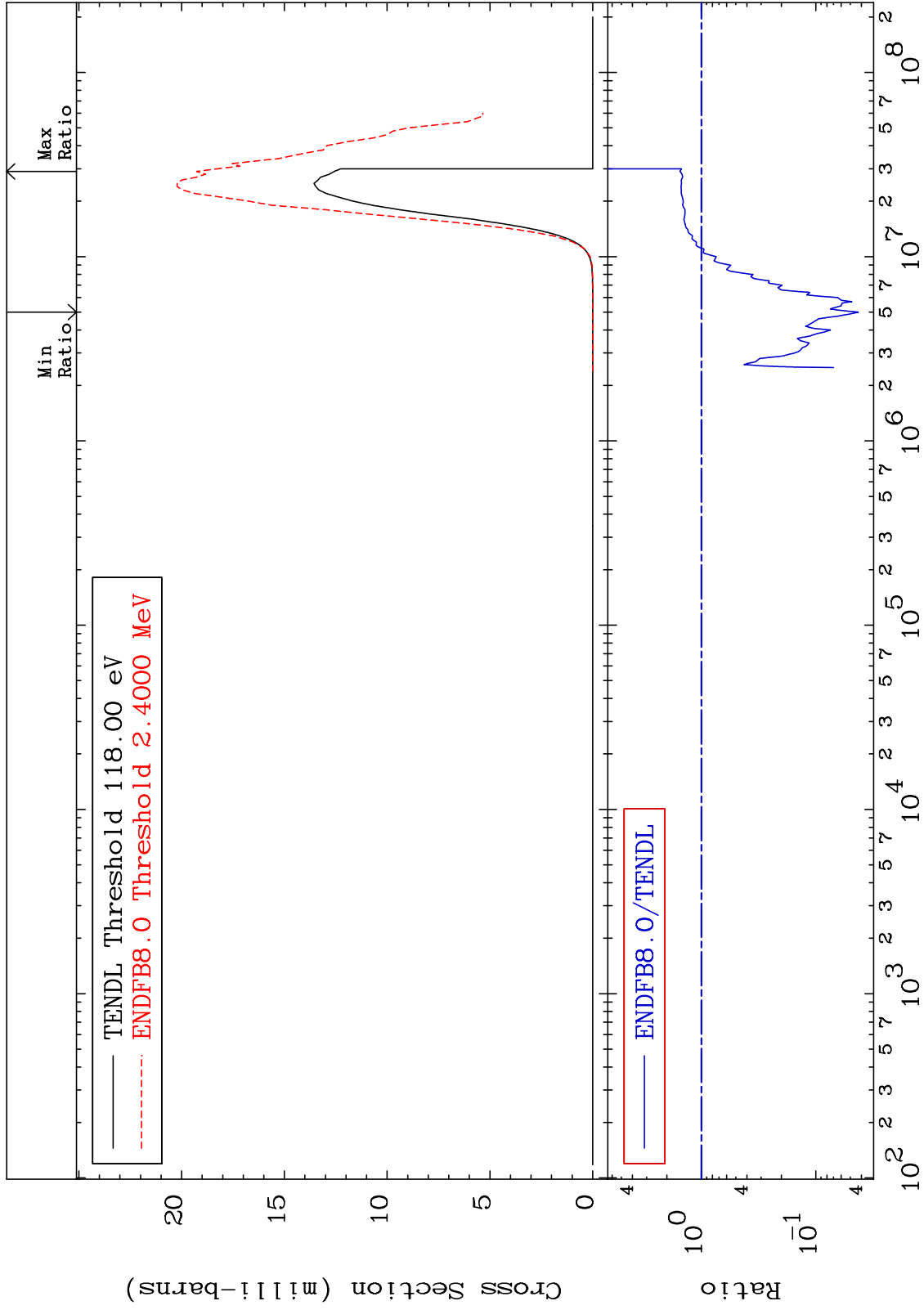
91-Pa-231  
-92.09 To 2009. %



MAT 9131

(n,p)  
Cross Section

91-Pa-231  
-95.75 To 53.29 %



26

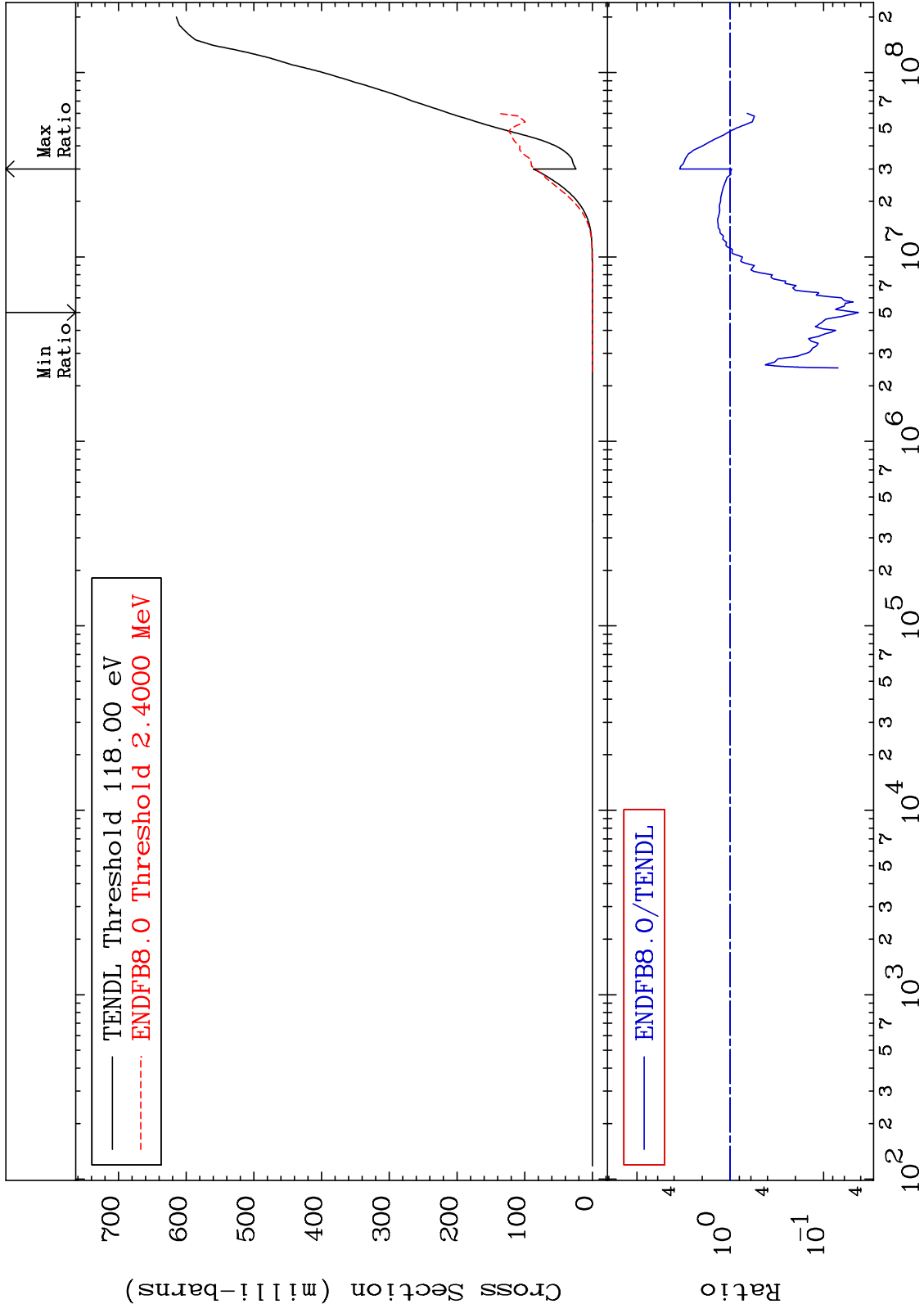
Incident Energy (eV)

91-Pa-231

MAT 9131

Hydrogen Production  
Cross Section

91-Pa-231  
-95.75 To 246.9 %



27

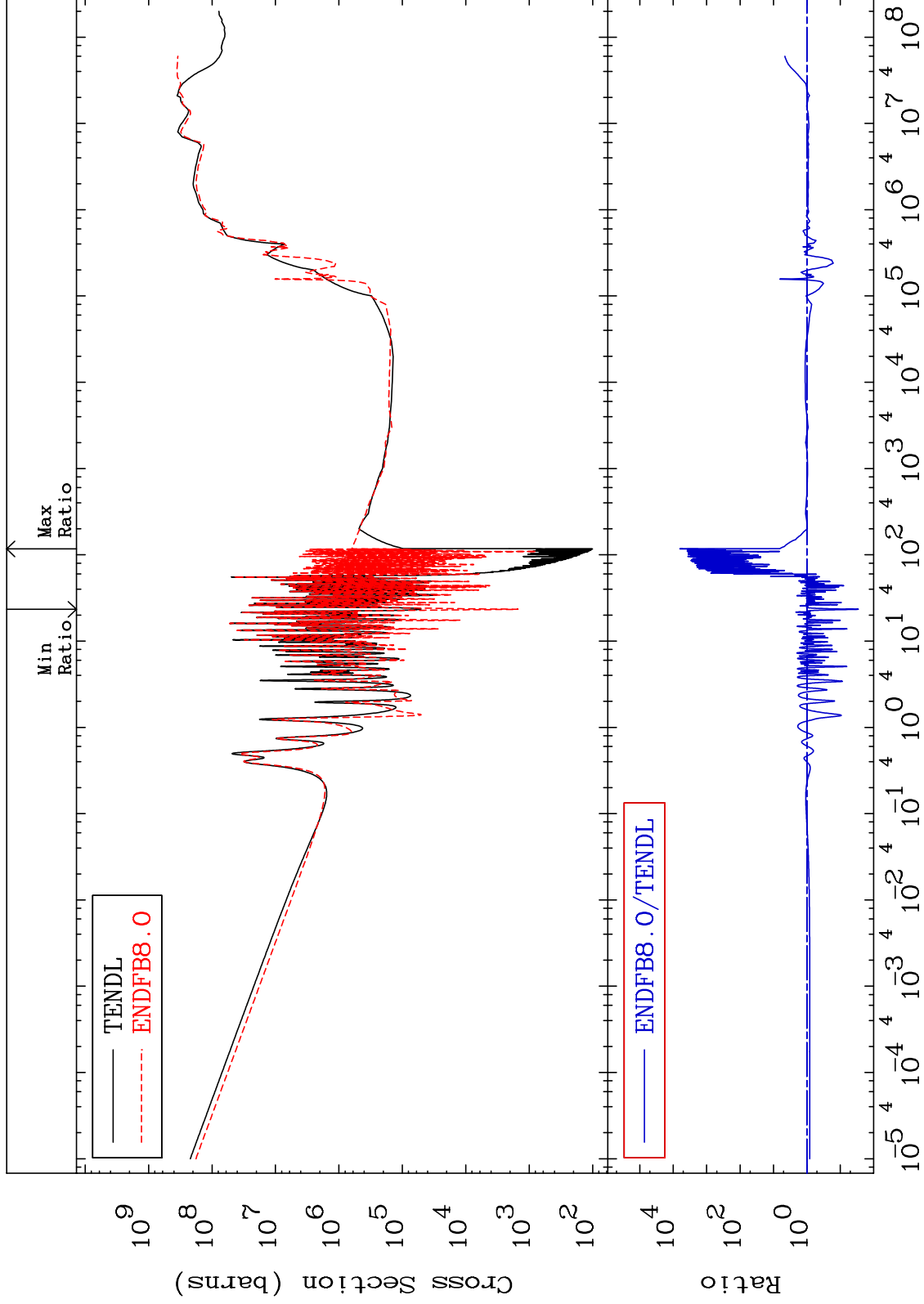
Incident Energy (eV)

91-Pa-231

MAT 9131

Kerma total (eV-barns)  
Cross Section

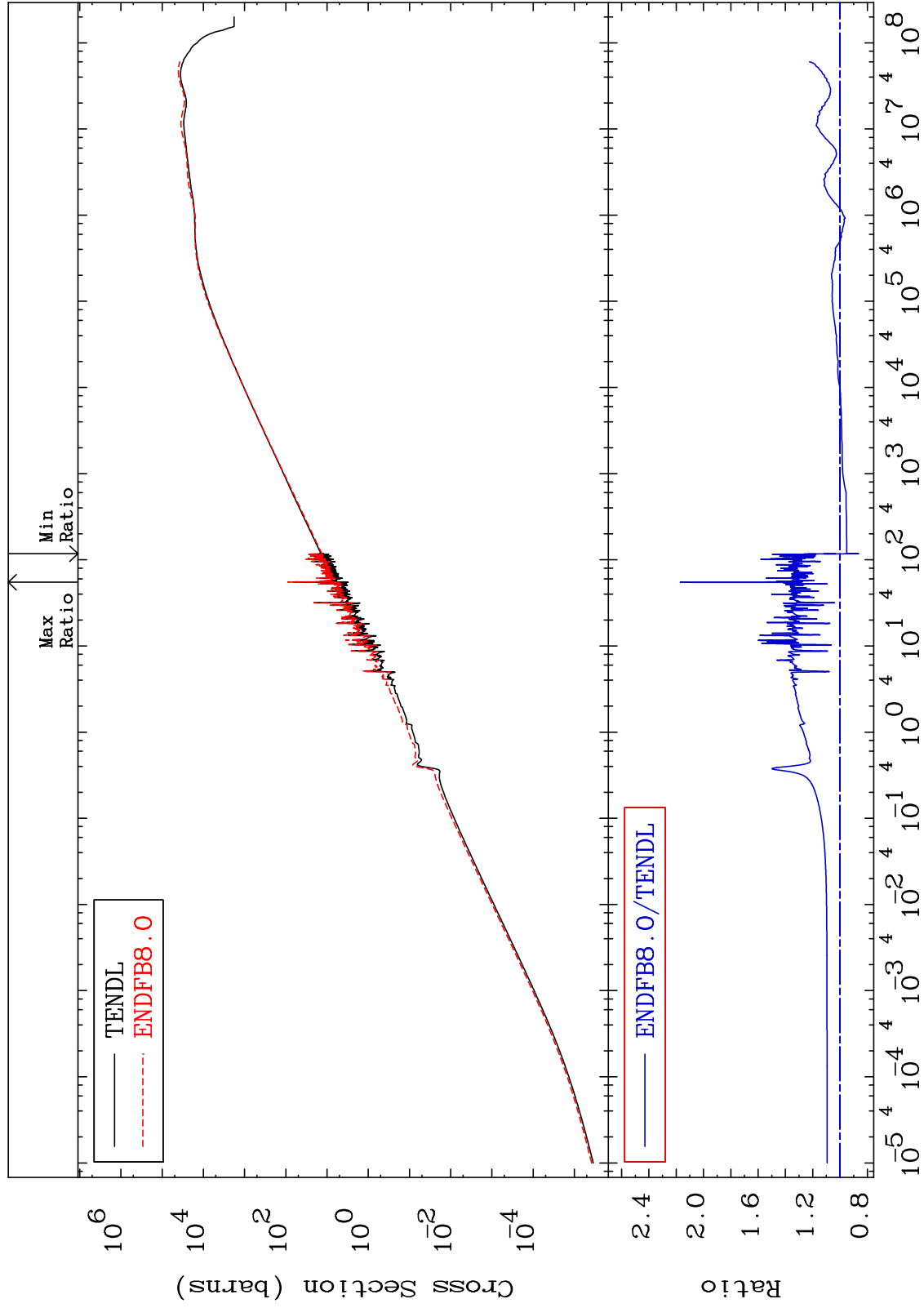
91-Pa-231  
-97.15 To 9999. %



MAT 9131

Kerma elastic  
Cross Section

91-Pa-231  
-13.57 To 116.9 %



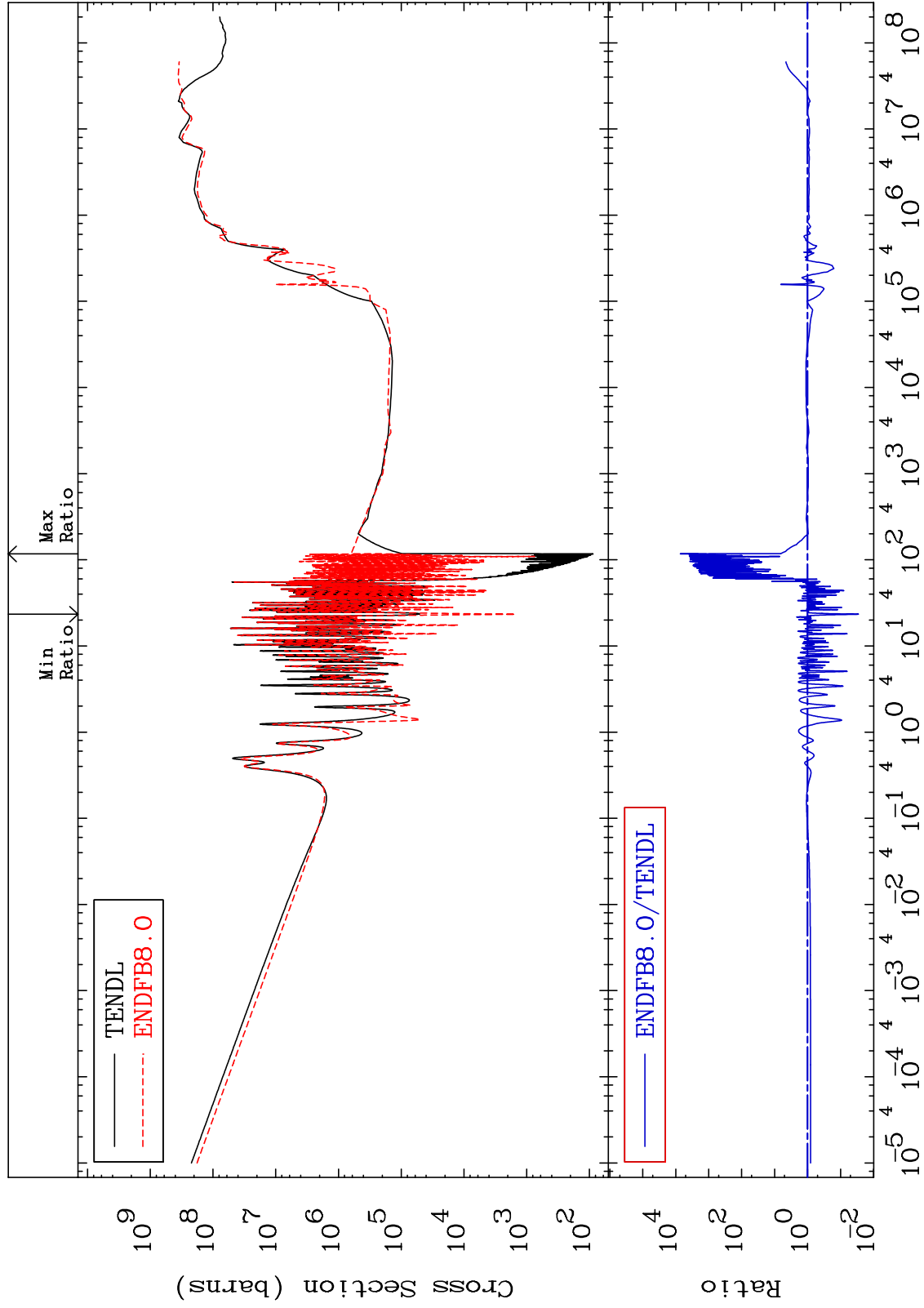
MAT 9131

Kerma non-elastic (all but mt2)

91-Pa-231

-97.15 To 9999. %

Cross Section



30

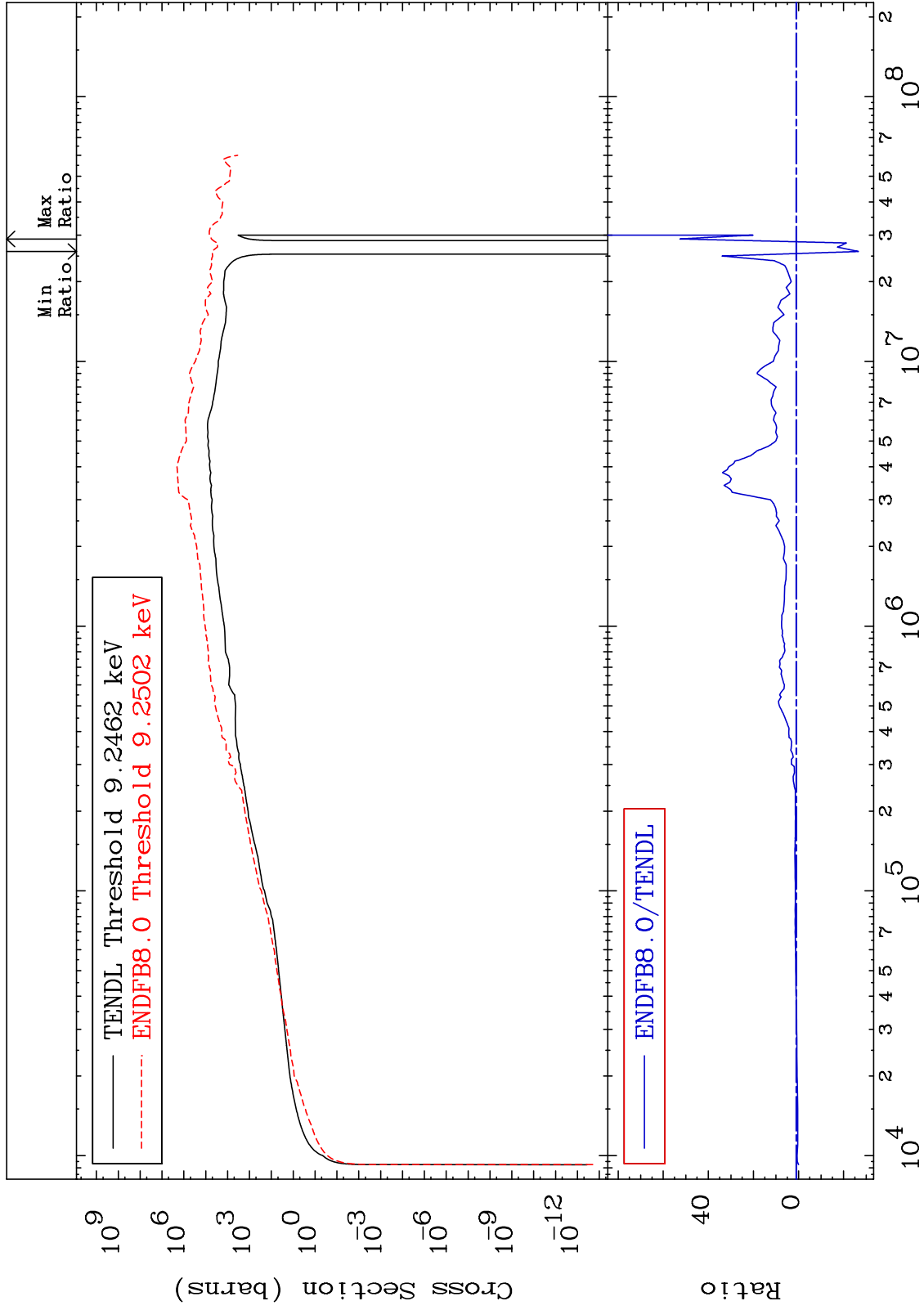
Incident Energy (eV)

91-Pa-231

MAT 9131

Kerma inelastic (mt51-91)  
Cross Section

91-Pa-231  
-2755. To 5156. %



31

Incident Energy (eV)

91-Pa-231



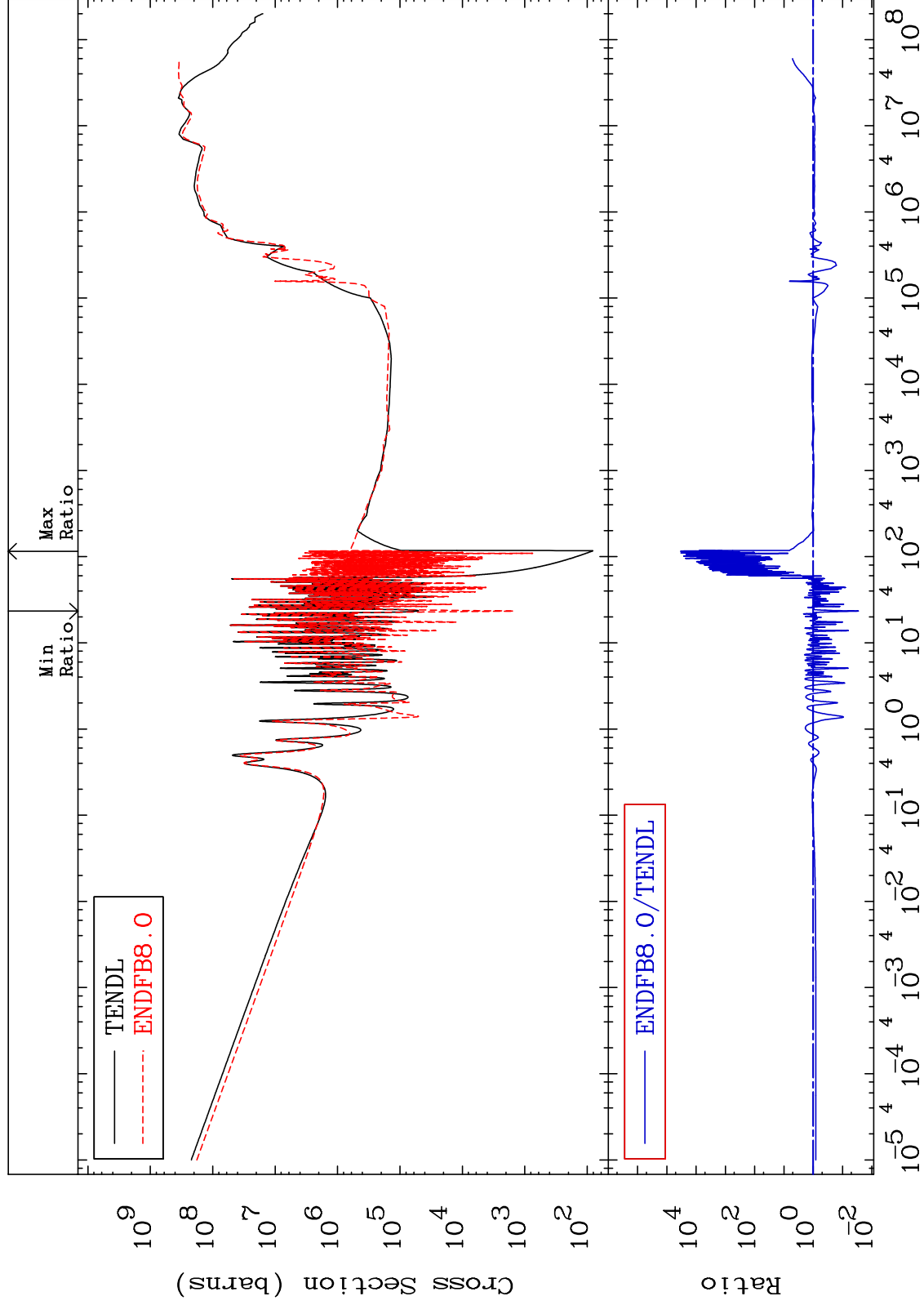
MAT 9131

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

91-Pa-231

-97.17 To 9999. %

Cross Section



32

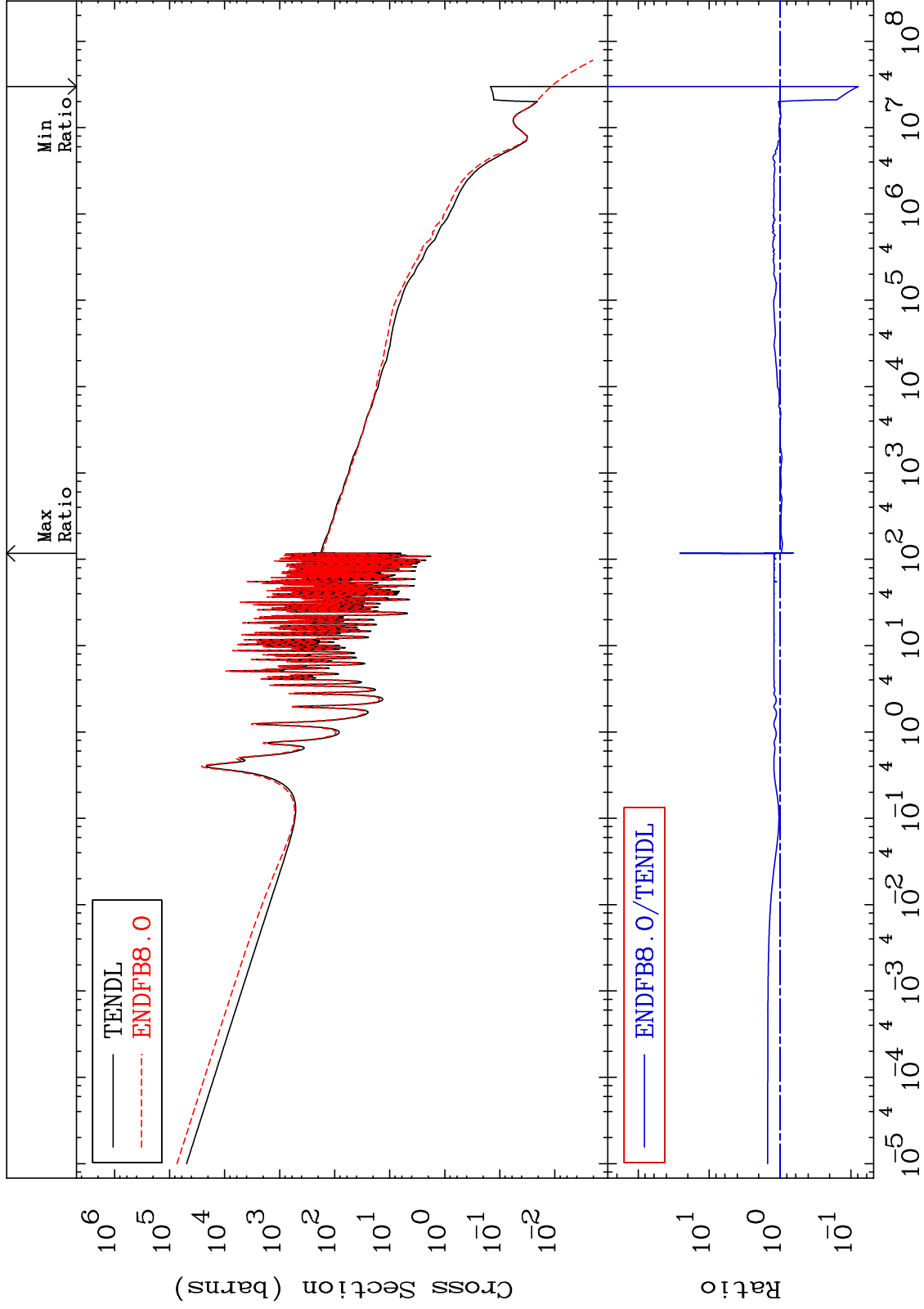
Incident Energy (eV)

91-Pa-231

MAT 9131

Kerma capture (mt102)  
Cross Section

91-Pa-231  
-92.16 To 2475. %



33

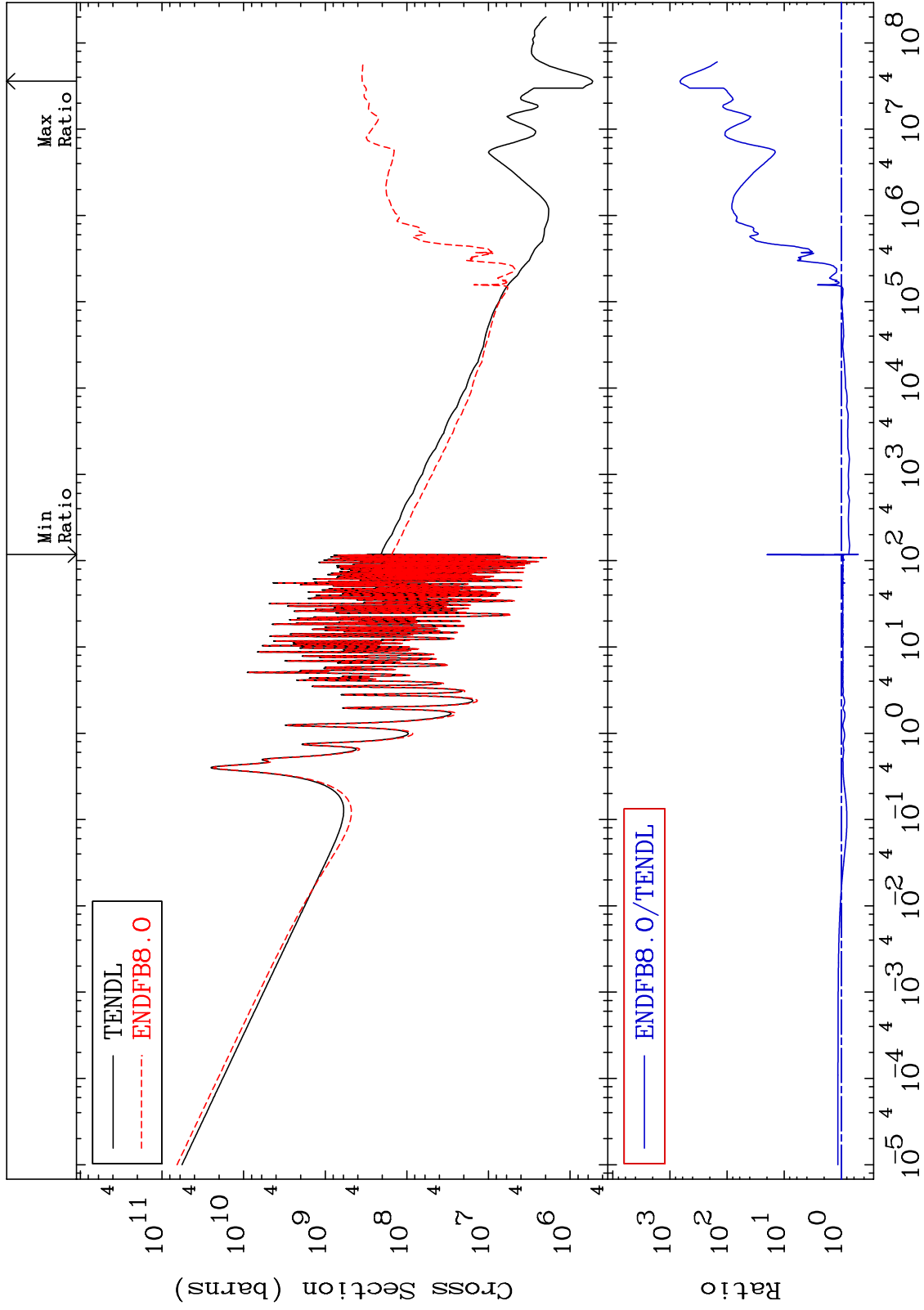
Incident Energy (eV)

91-Pa-231

MAT 9131

Total photon (eV-barns)  
Cross Section

91-Pa-231  
-49.69 To 9999. %



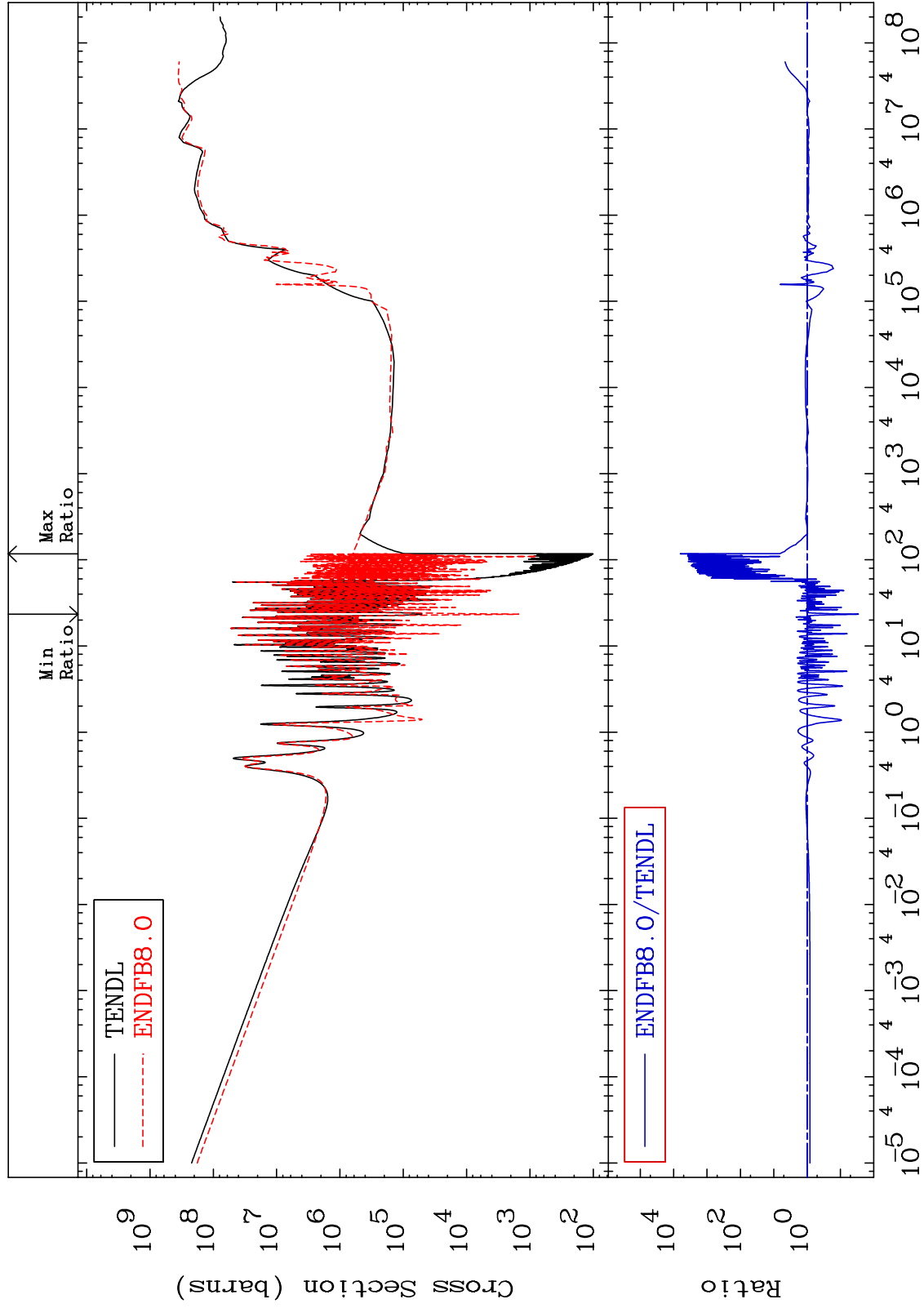
MAT 9131

Total kinematic kerma (high limit)

91-Pa-231

-97.15 To 9999. %

Cross Section



35

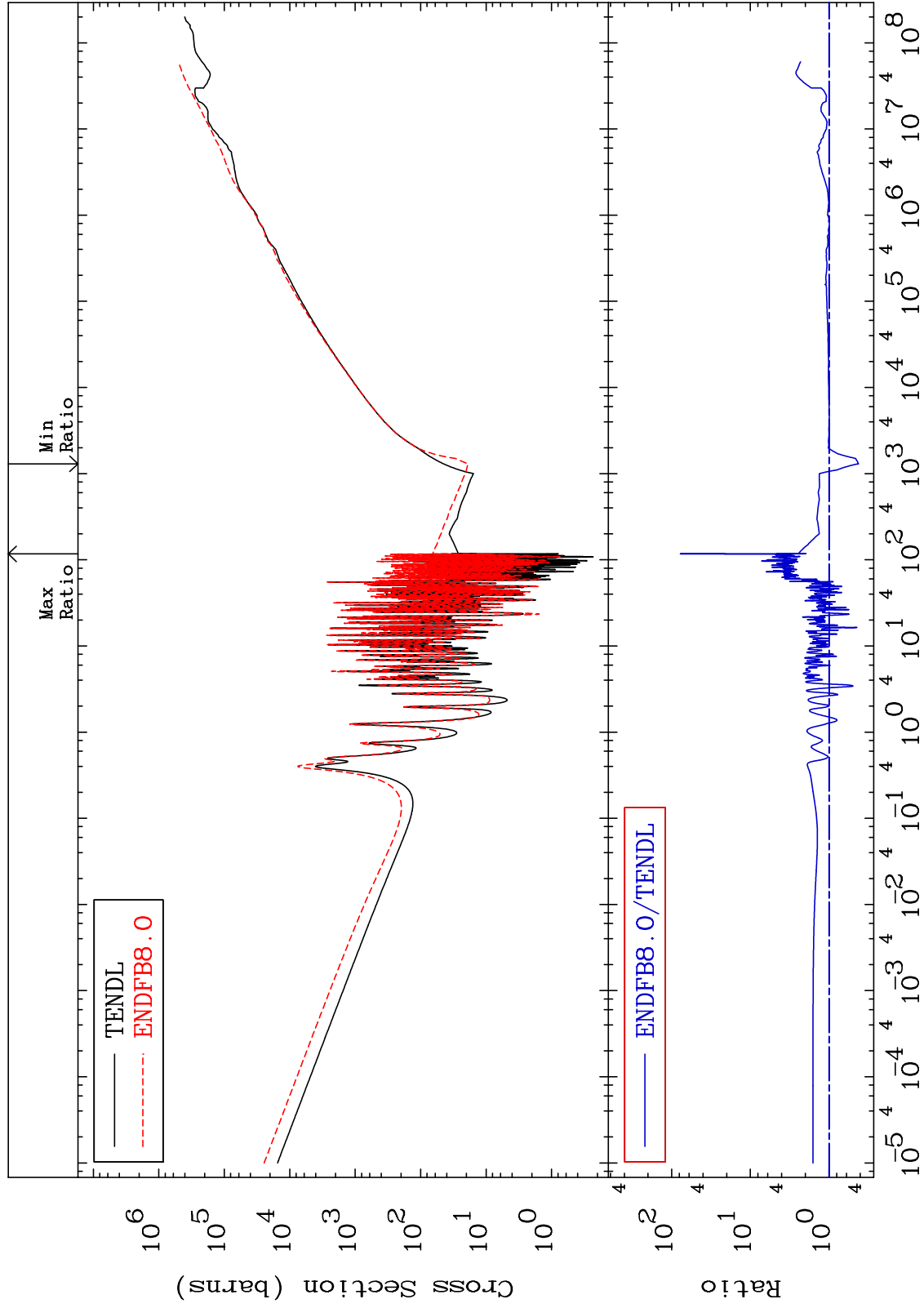
Incident Energy (eV)

91-Pa-231

MAT 9131

Dpa total (eV-barns)  
Cross Section

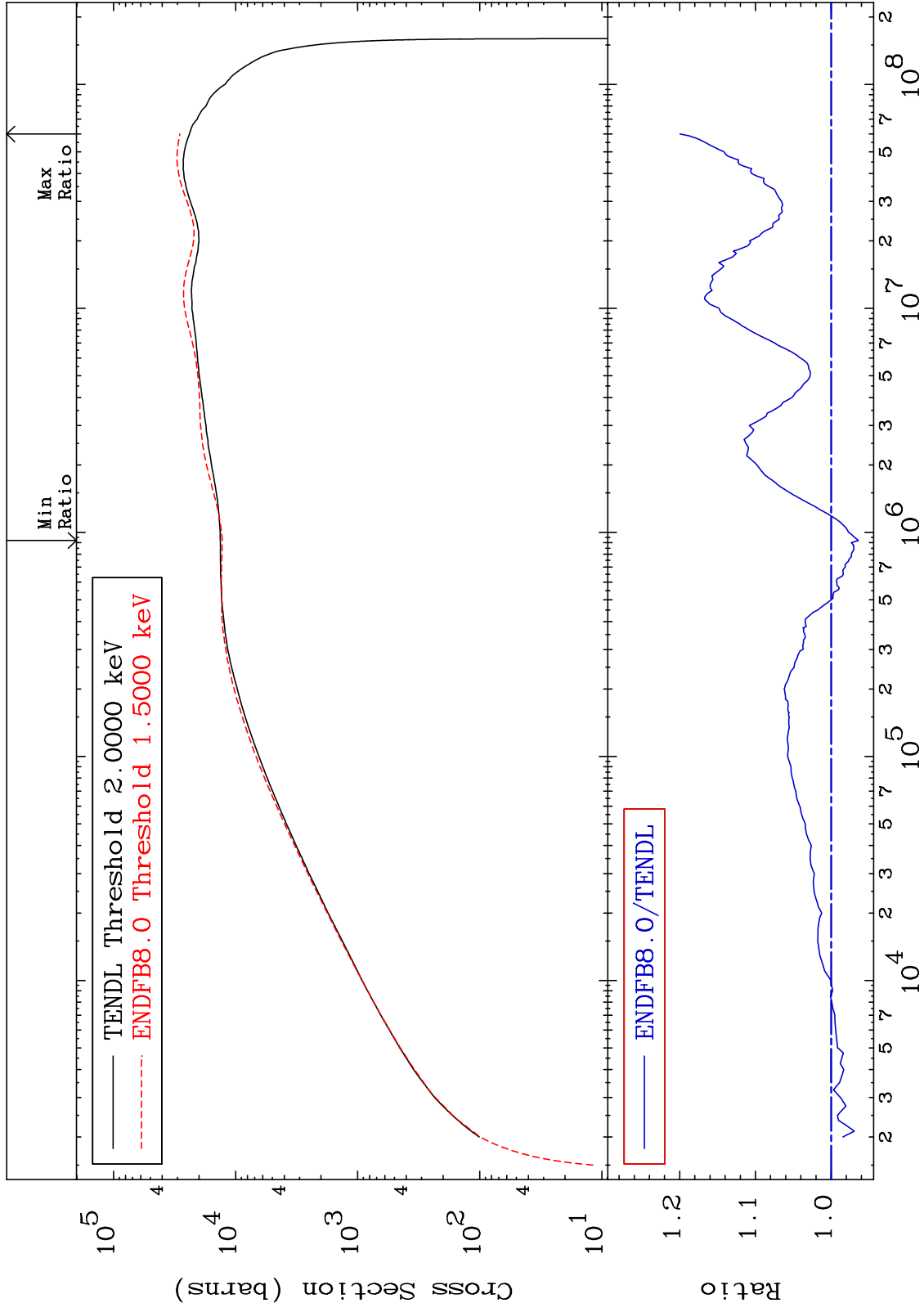
91-Pa-231  
-57.88 To 7637. %



MAT 9131

Dpa elastic (mt2)  
Cross Section

91-Pa-231  
-3.602 To 19.96 %



37

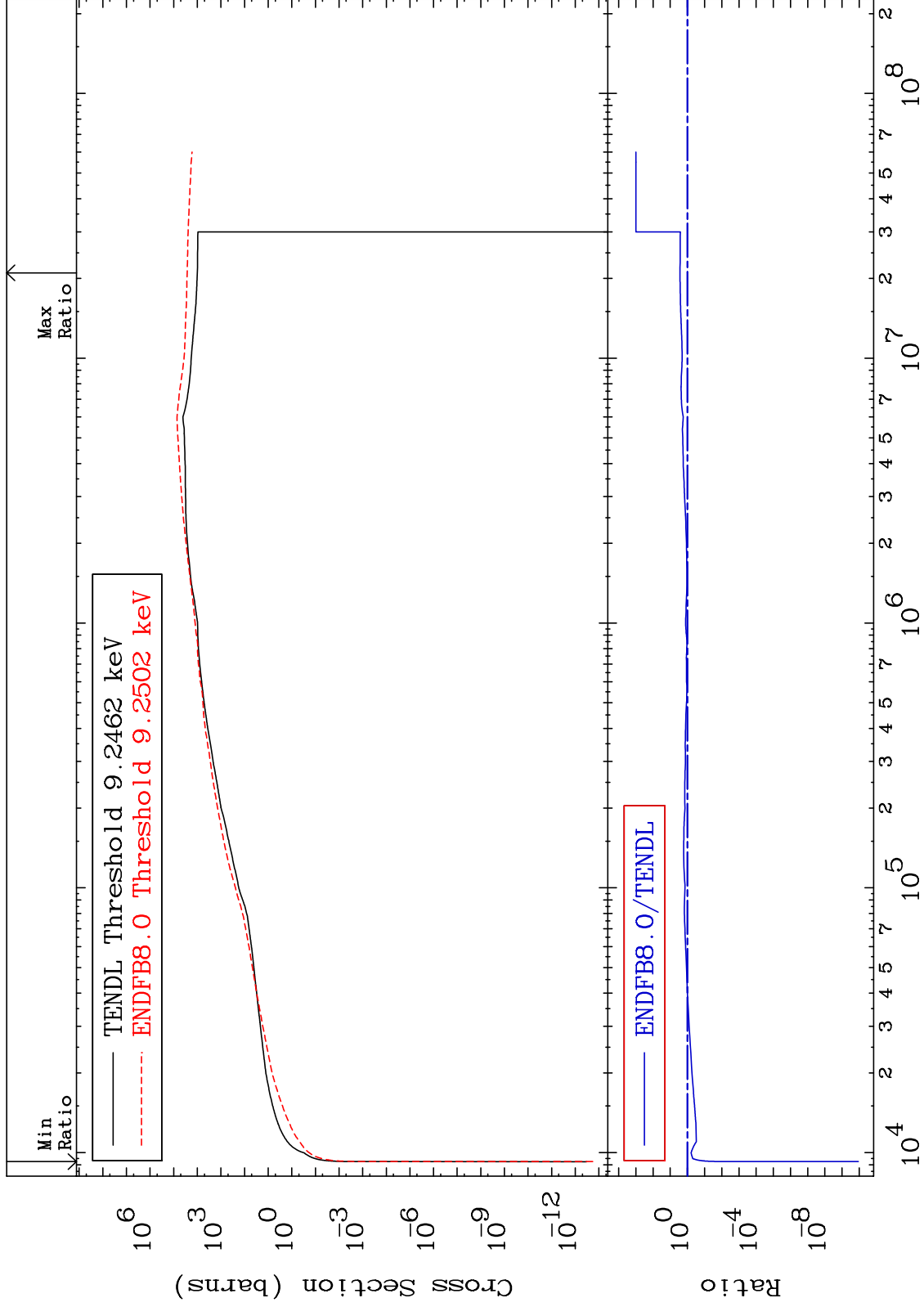
Incident Energy (eV)

91-Pa-231

MAT 9131

Dpa inelastic (mt51-91)  
Cross Section

91-Pa-231  
-100.0 To 169.1 %



38

91-Pa-231

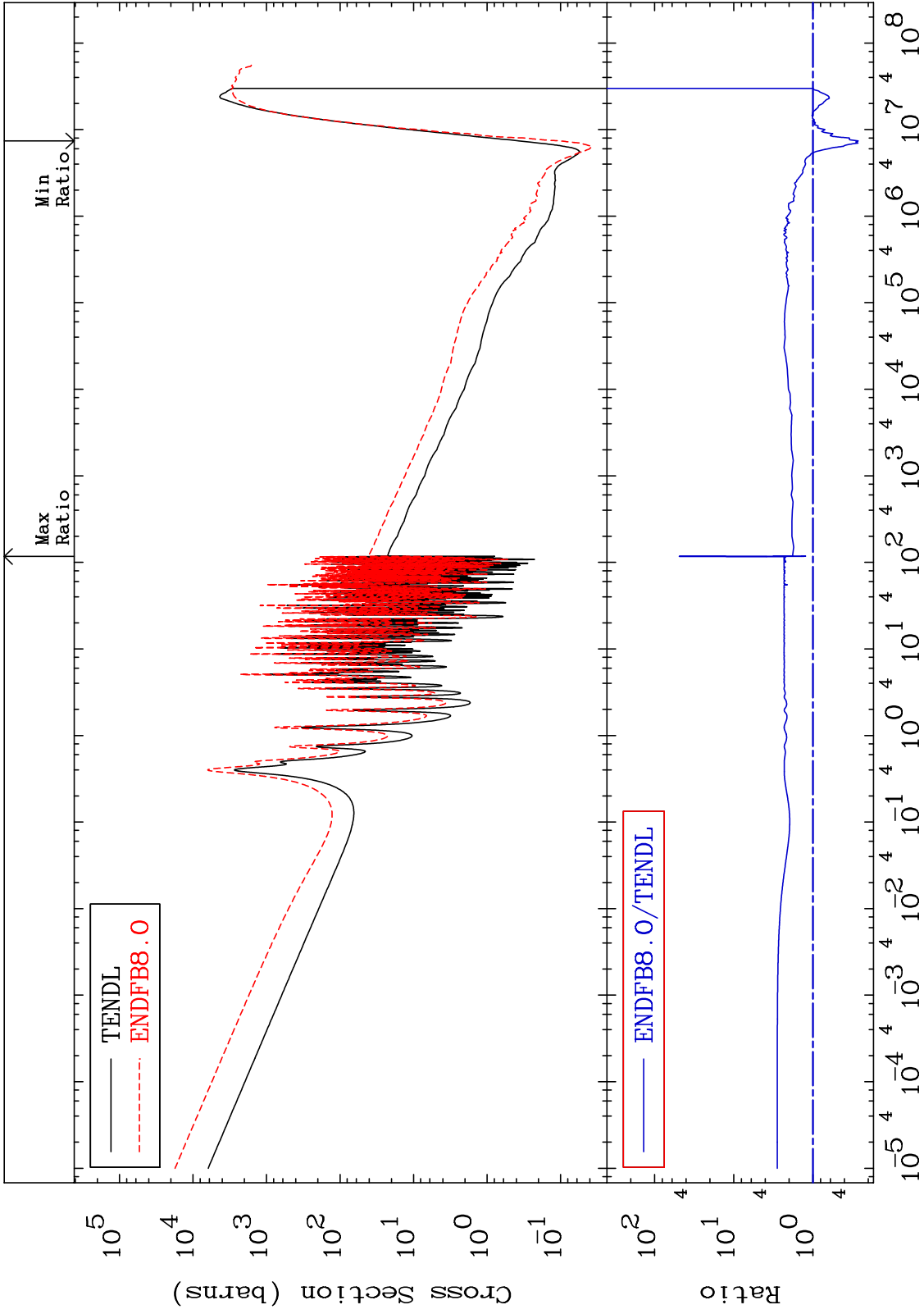
MAT 9131

Dpa disappearance (mt102 -120)

91-Pa-231

-73.29 To 4765. %

Cross Section



39

Incident Energy (eV)

91-Pa-231