

Program Complot  
(Version 2018-1)

by

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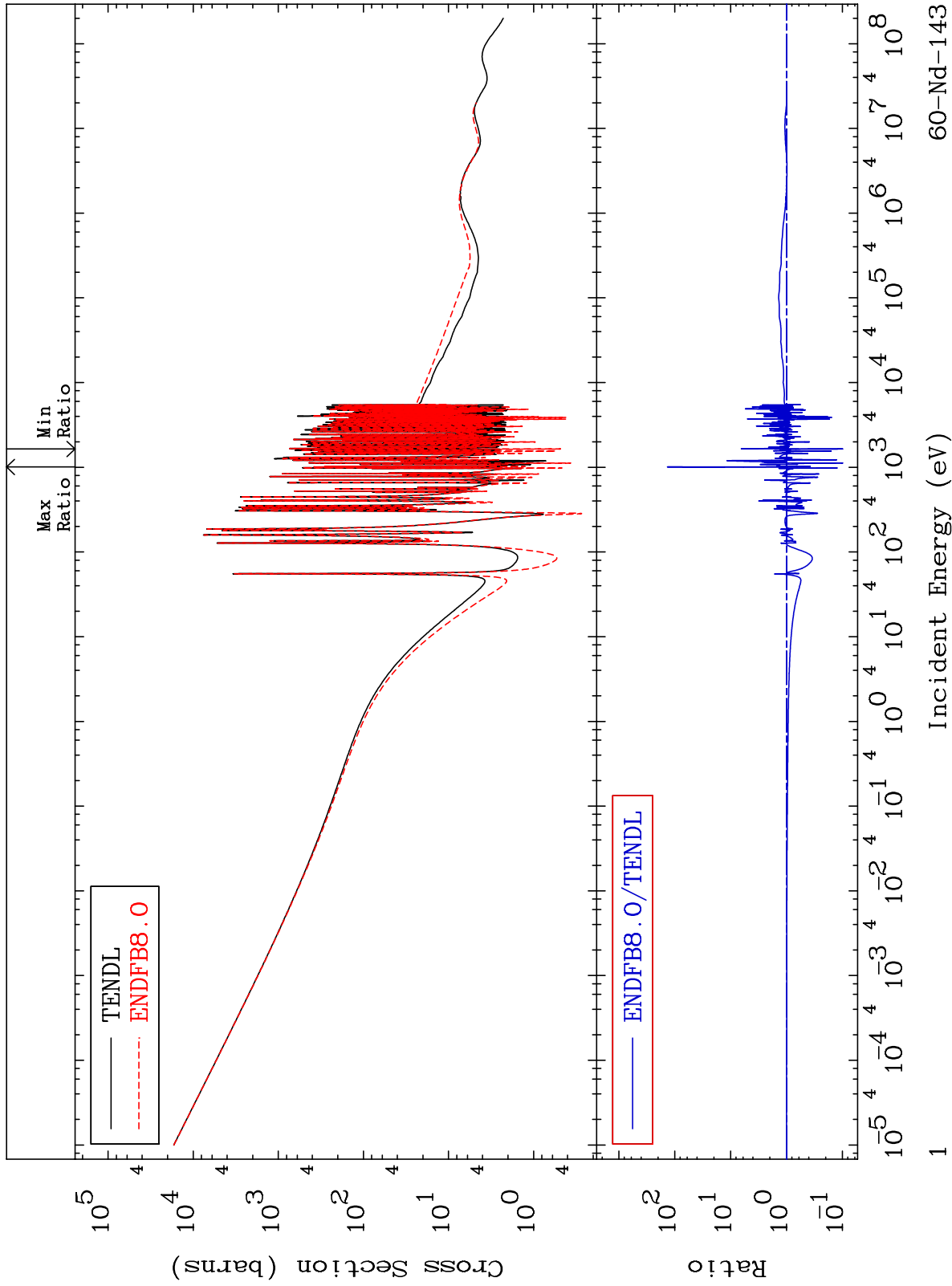
U.S.A.

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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 6028 60-Nd-143 -90.09 To 9999. % Total Cross Section

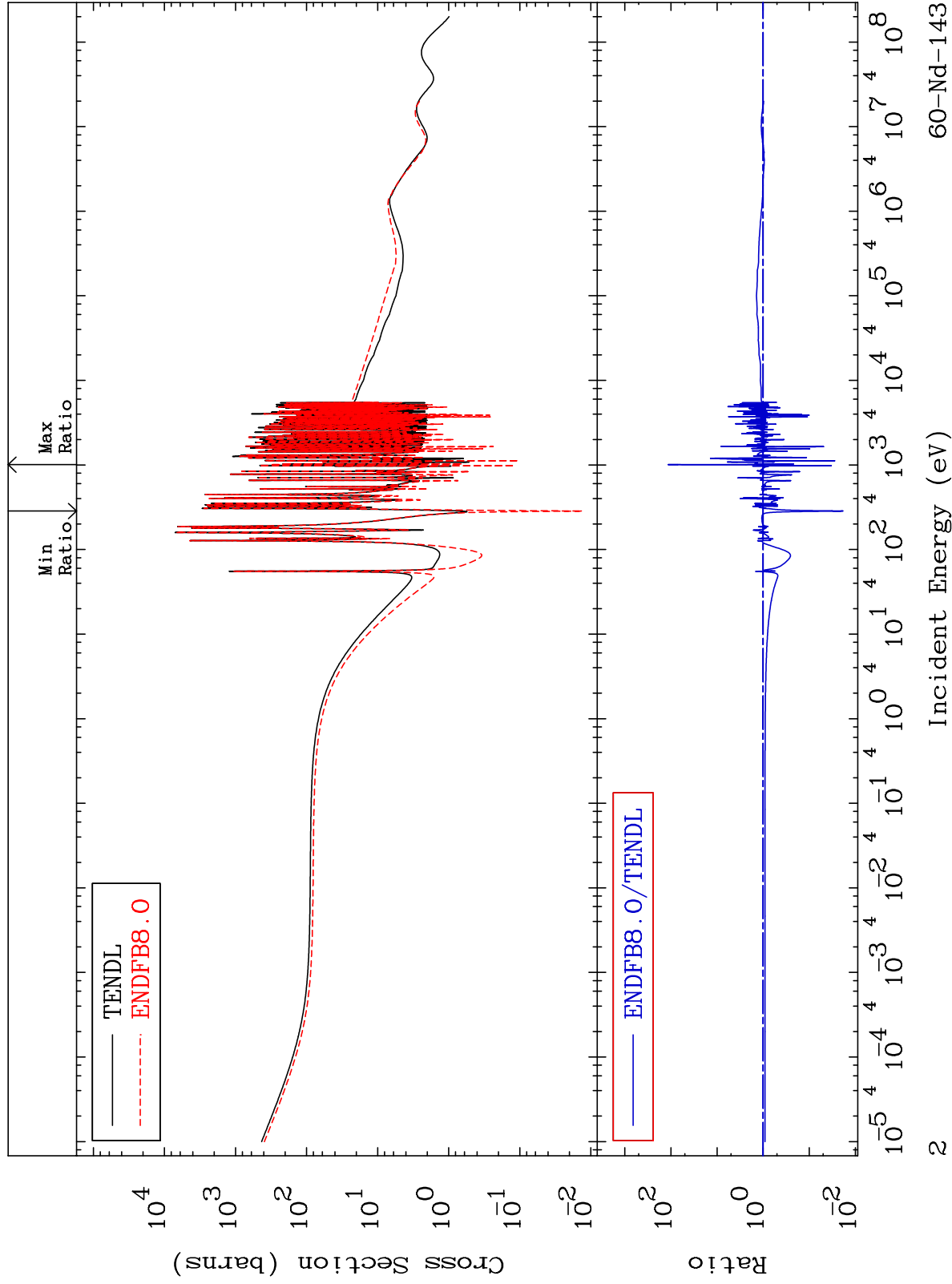


60-Nd-143

MAT 6028

Elastic  
Cross Section

60-Nd-143  
-98.13 To 9999. %



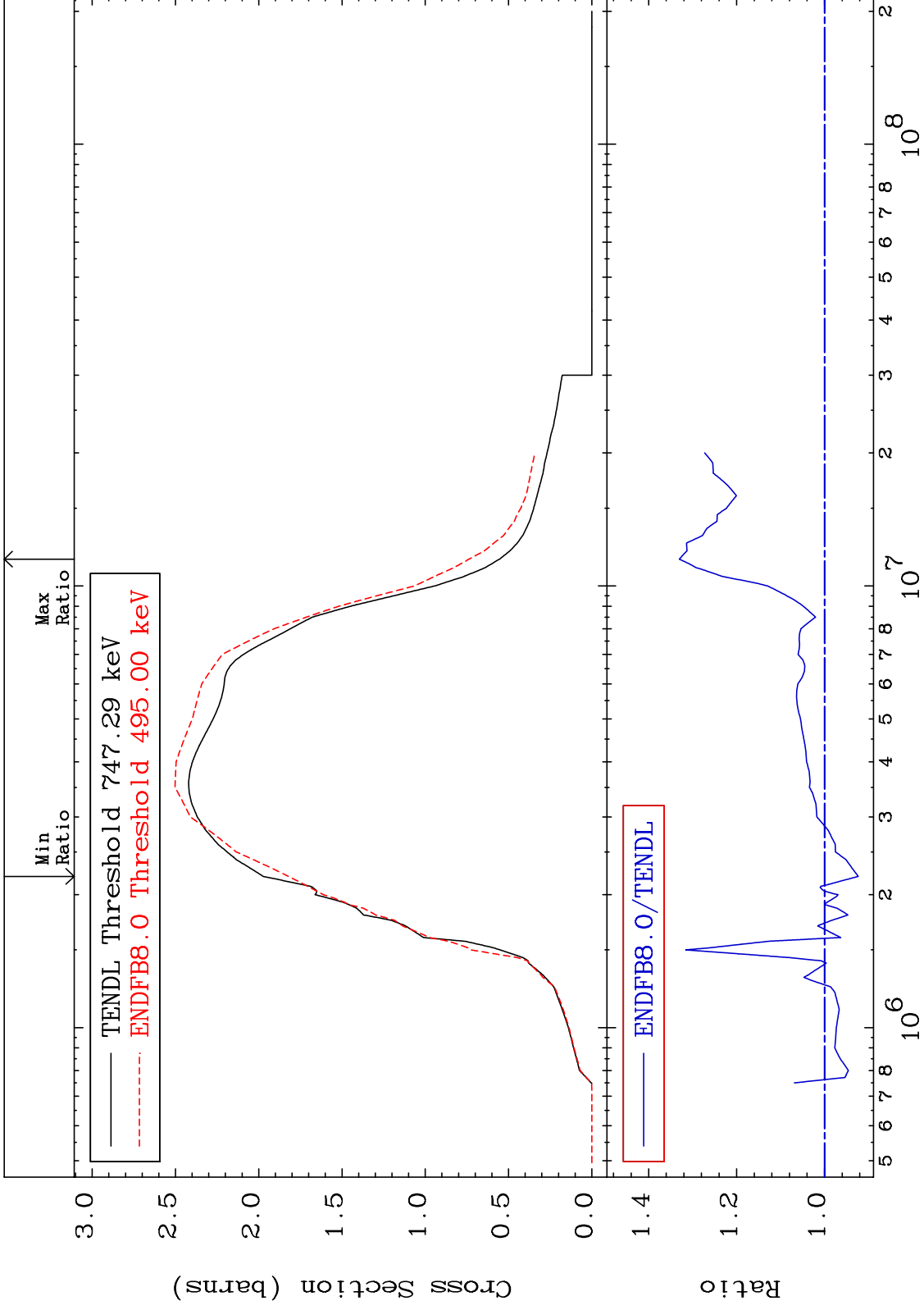
MAT 6028

Inelastic

60-Nd-143

Cross Section

-7.644 To 33.02 %

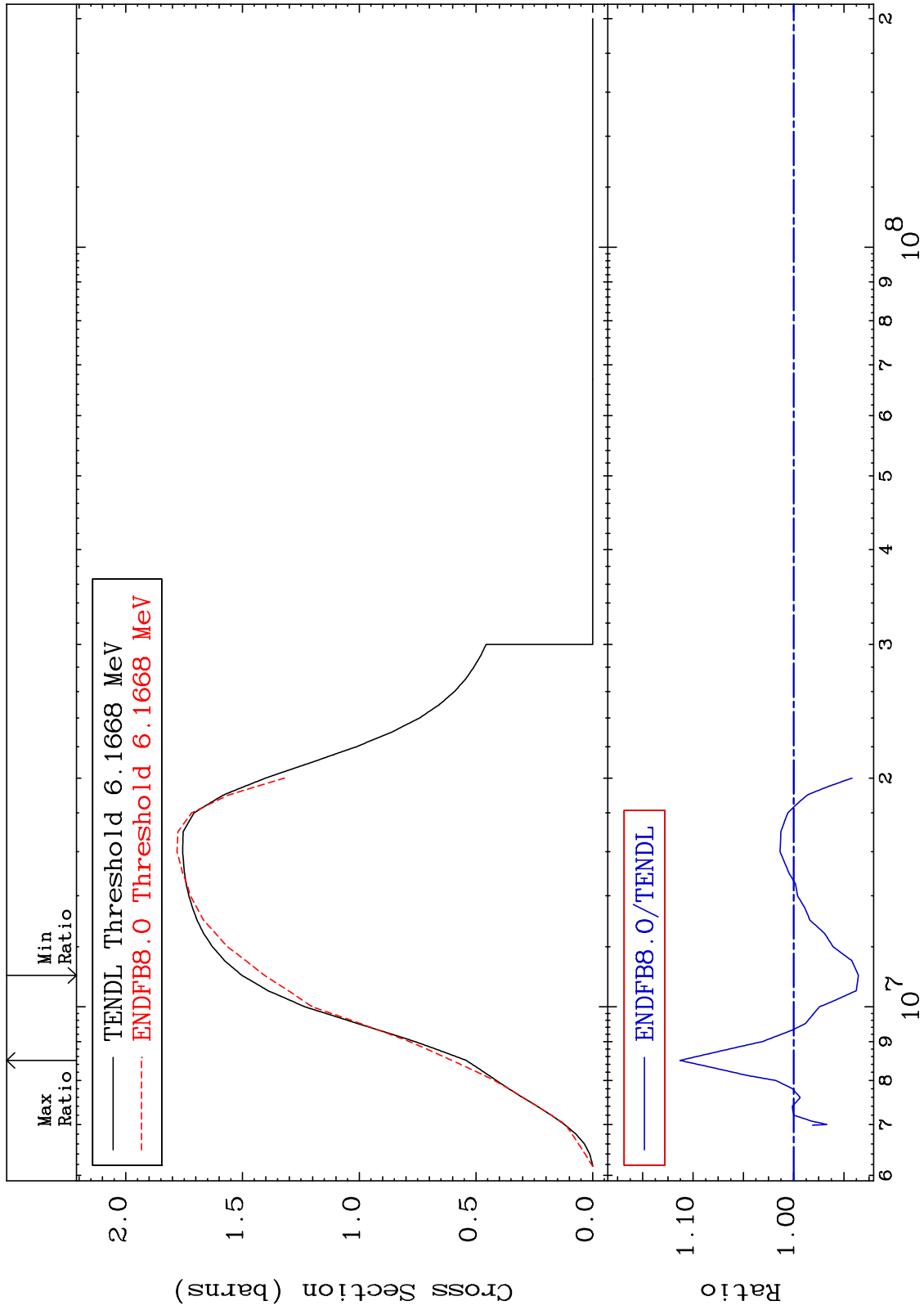


3

Incident Energy (eV)

60-Nd-143

MAT 6028 (n,2n) Cross Section 60-Nd-143 -6.443 To 11.29 %



4 60-Nd-143

MAT 6028

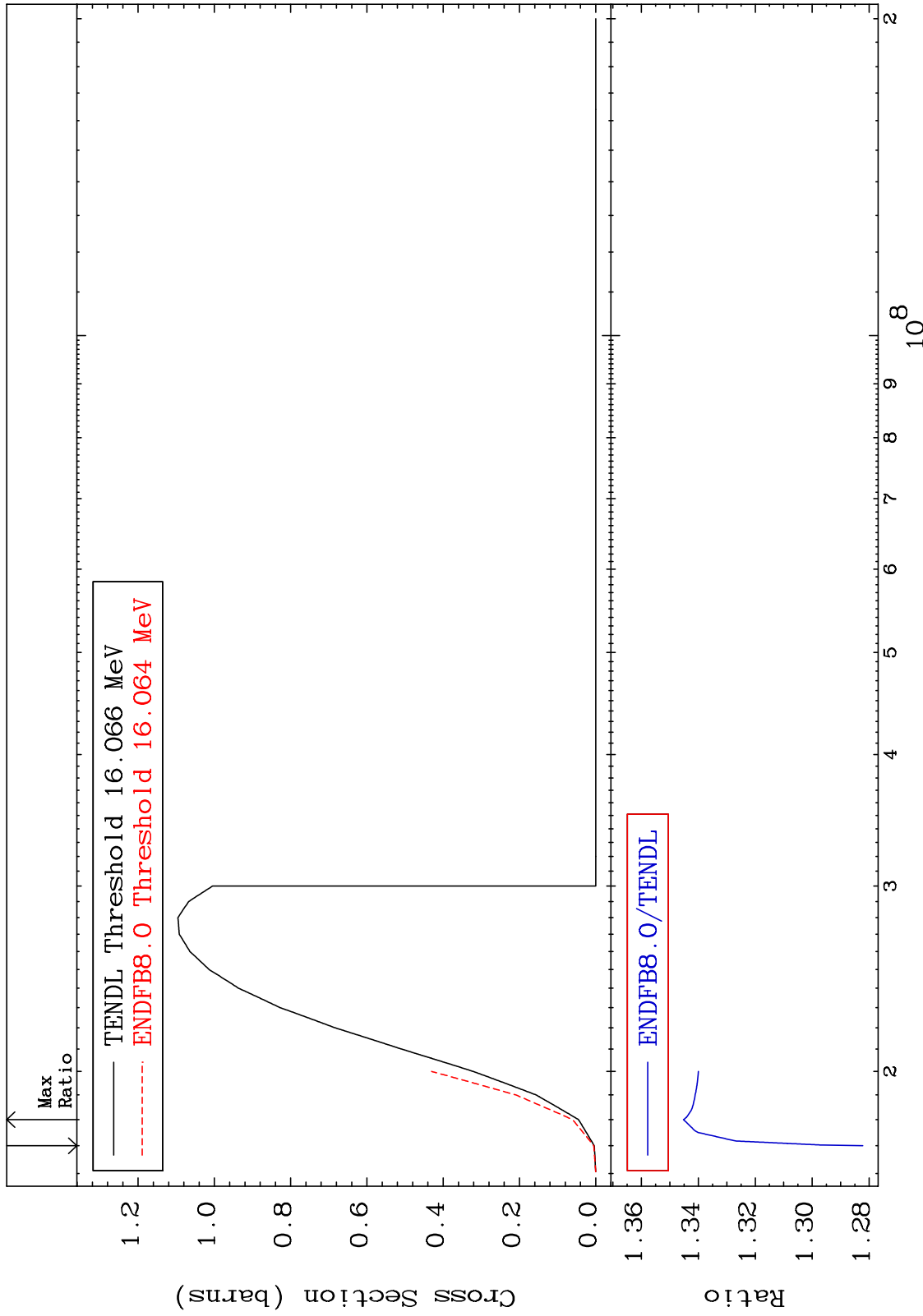
(n, 3n)

60-Nd-143

Cross Section

28.22

To 34.52 %



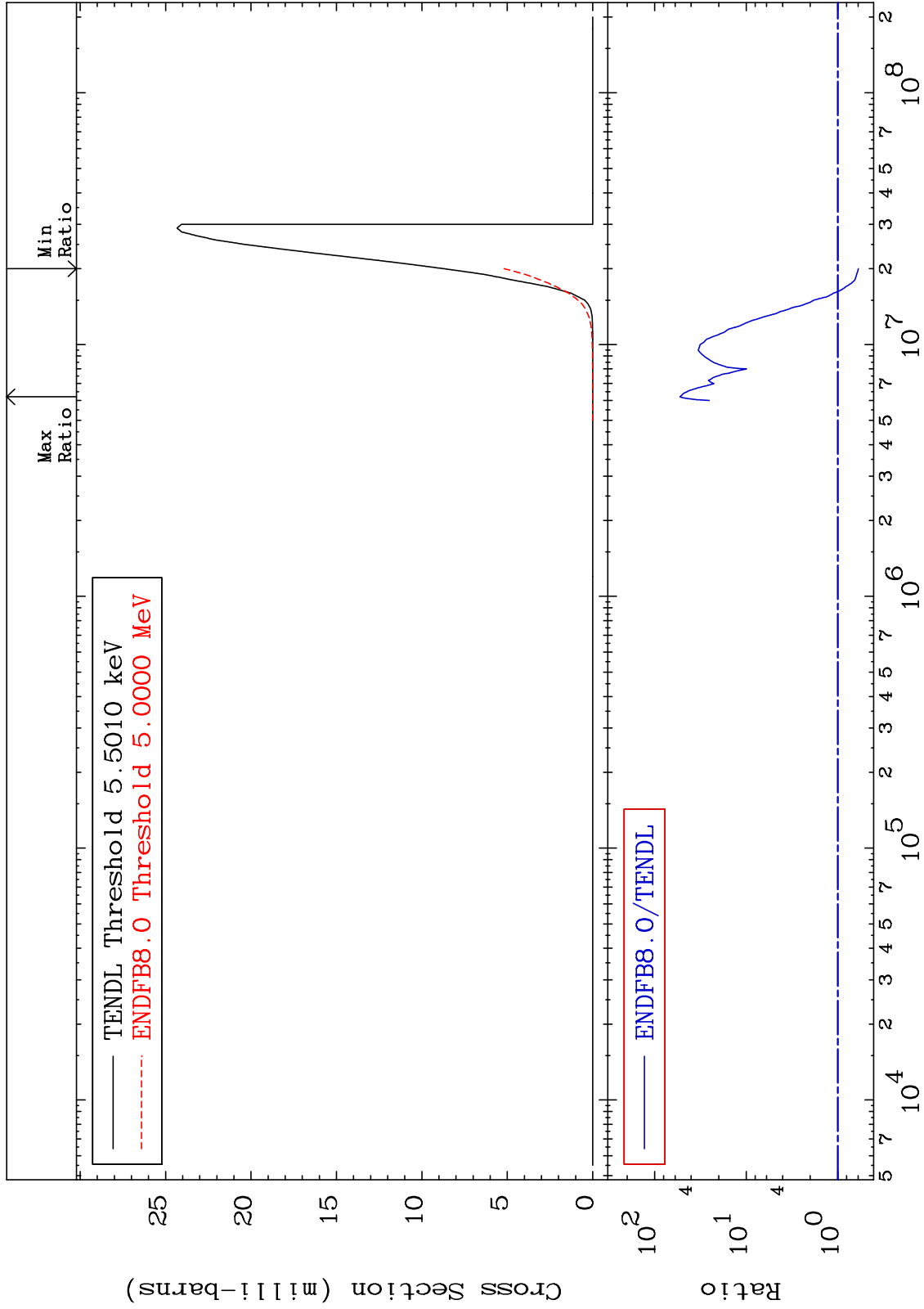
MAT 6028

(n,n')  $\alpha$

60-Nd-143

Cross Section

-40.53 To 5195. %



6

Incident Energy (eV)

60-Nd-143

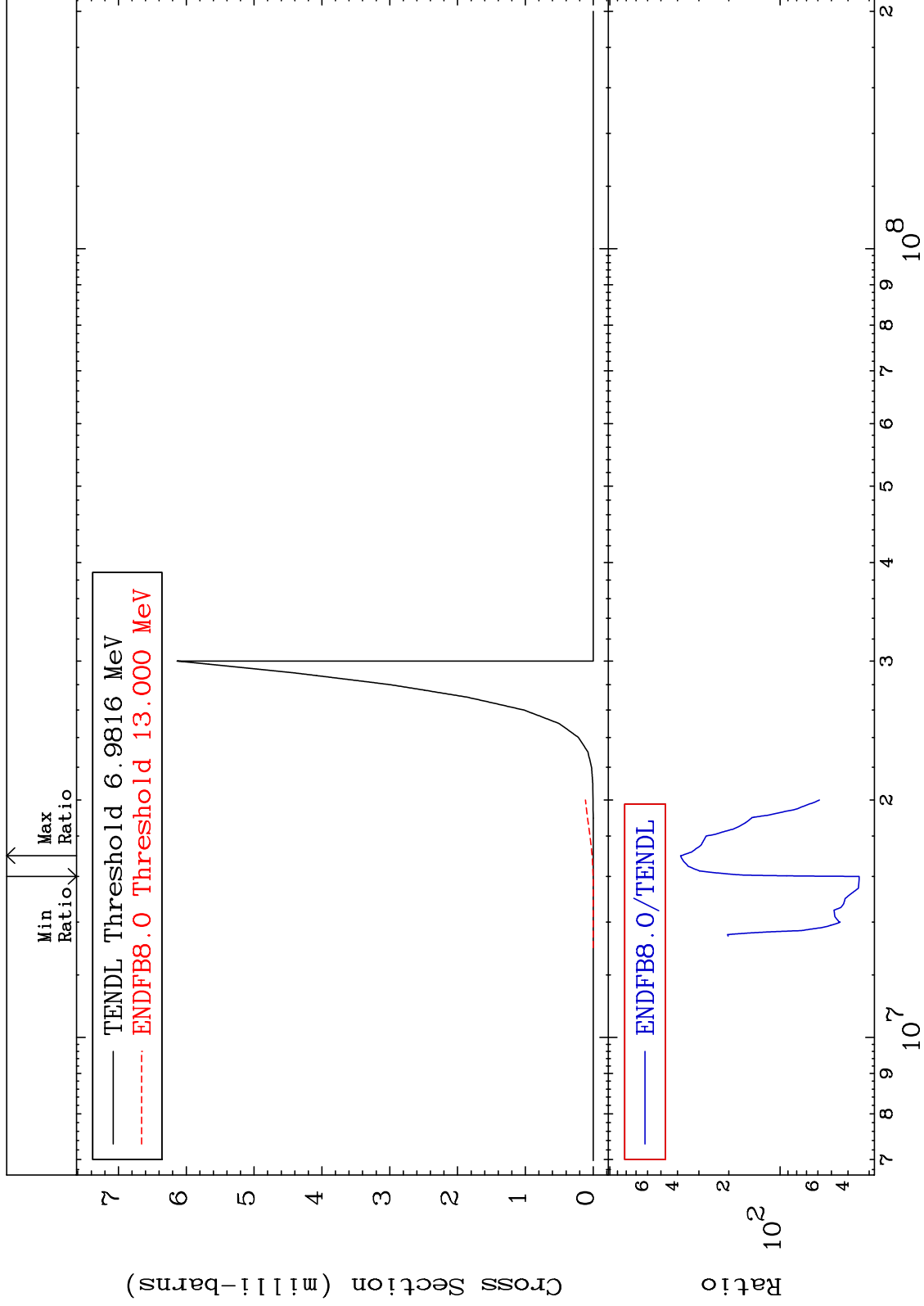
MAT 6028

(n,2n)  $\alpha$

60-Nd-143

Cross Section

3336. To 9999. %



7

Incident Energy (eV)

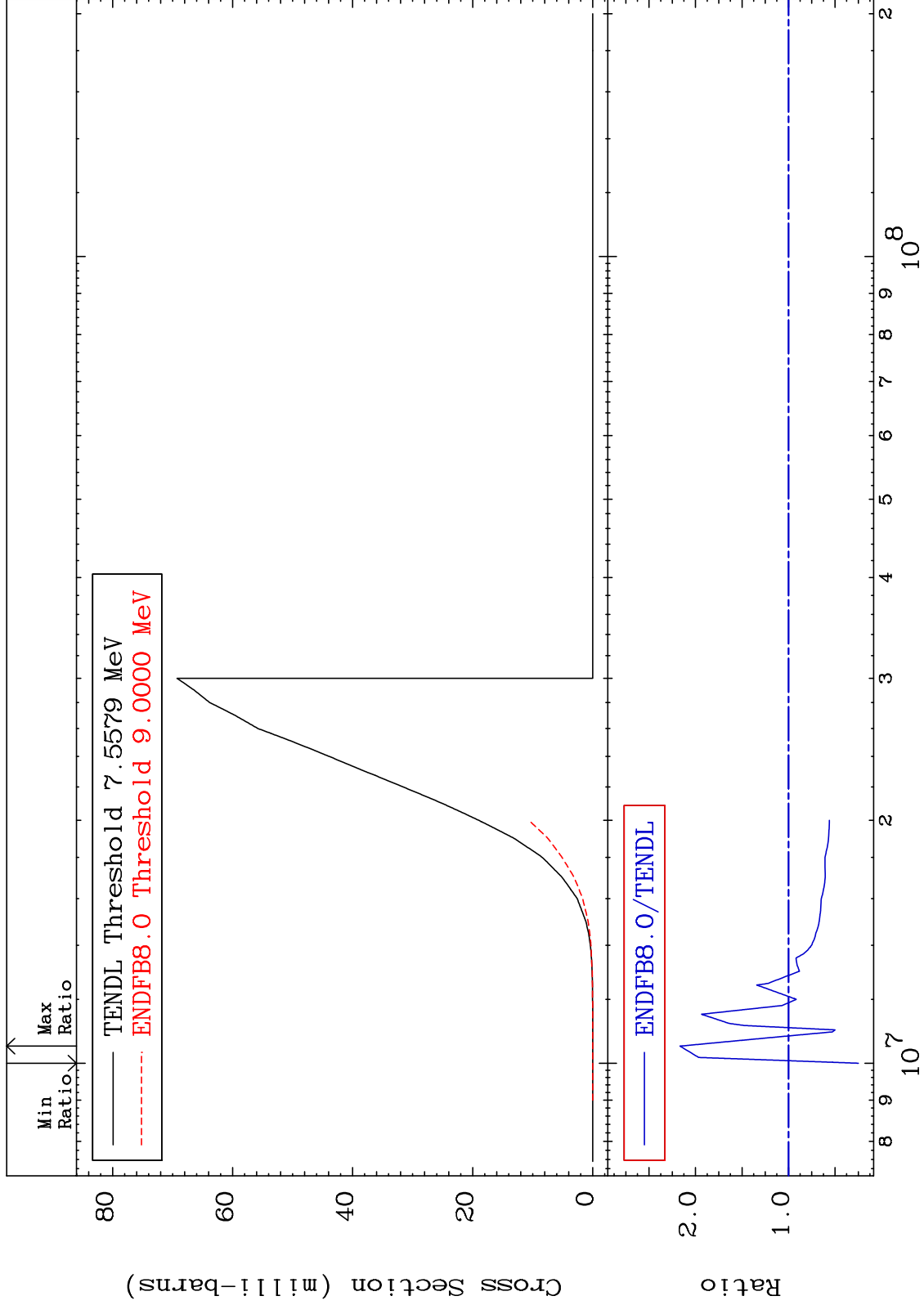
60-Nd-143



MAT 6028

(n,n') p  
Cross Section

60-Nd-143  
-75.15 To 116.7 %



8

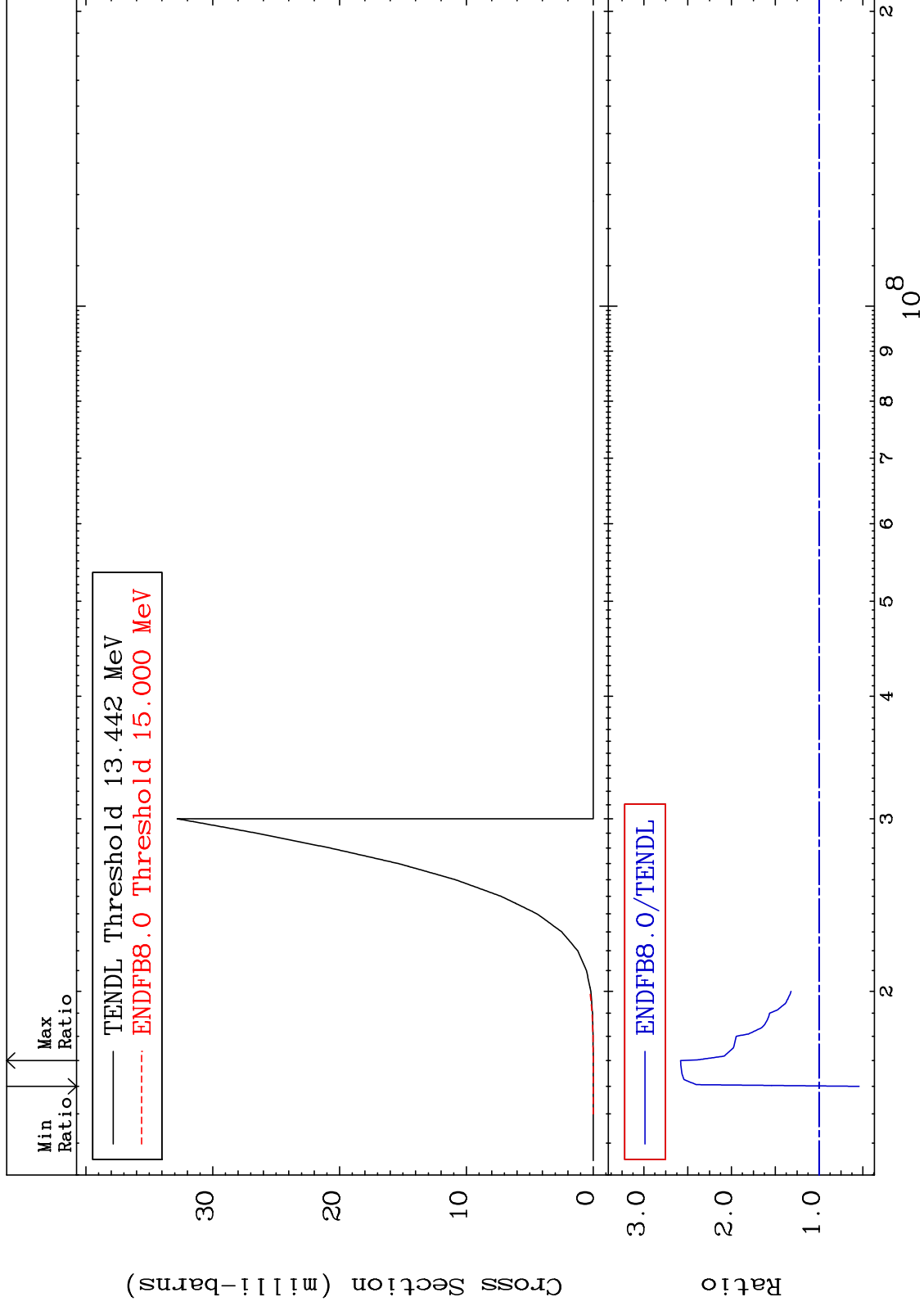
Incident Energy (eV)

60-Nd-143

MAT 6028

(n,2n) p  
Cross Section

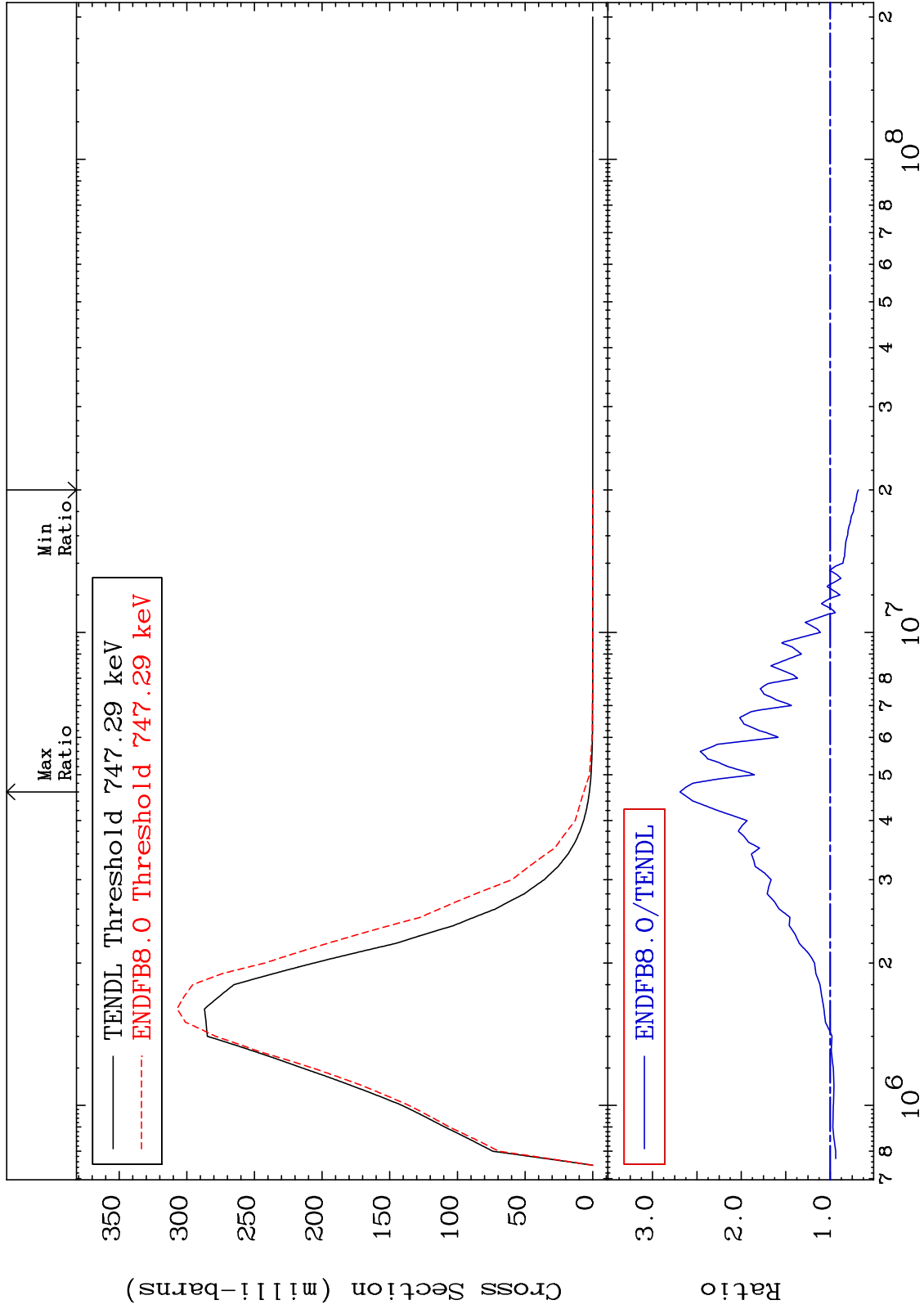
60-Nd-143  
-45.79 To 158.1 %



MAT 6028

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

60-Nd-143  
-31.81 To 169.0 %



Incident Energy (eV)

10

10<sup>6</sup>

10<sup>7</sup>

10<sup>8</sup>

2

3

4

5

6

7

8

10

10<sup>8</sup>

2

3

4

5

6

7

8

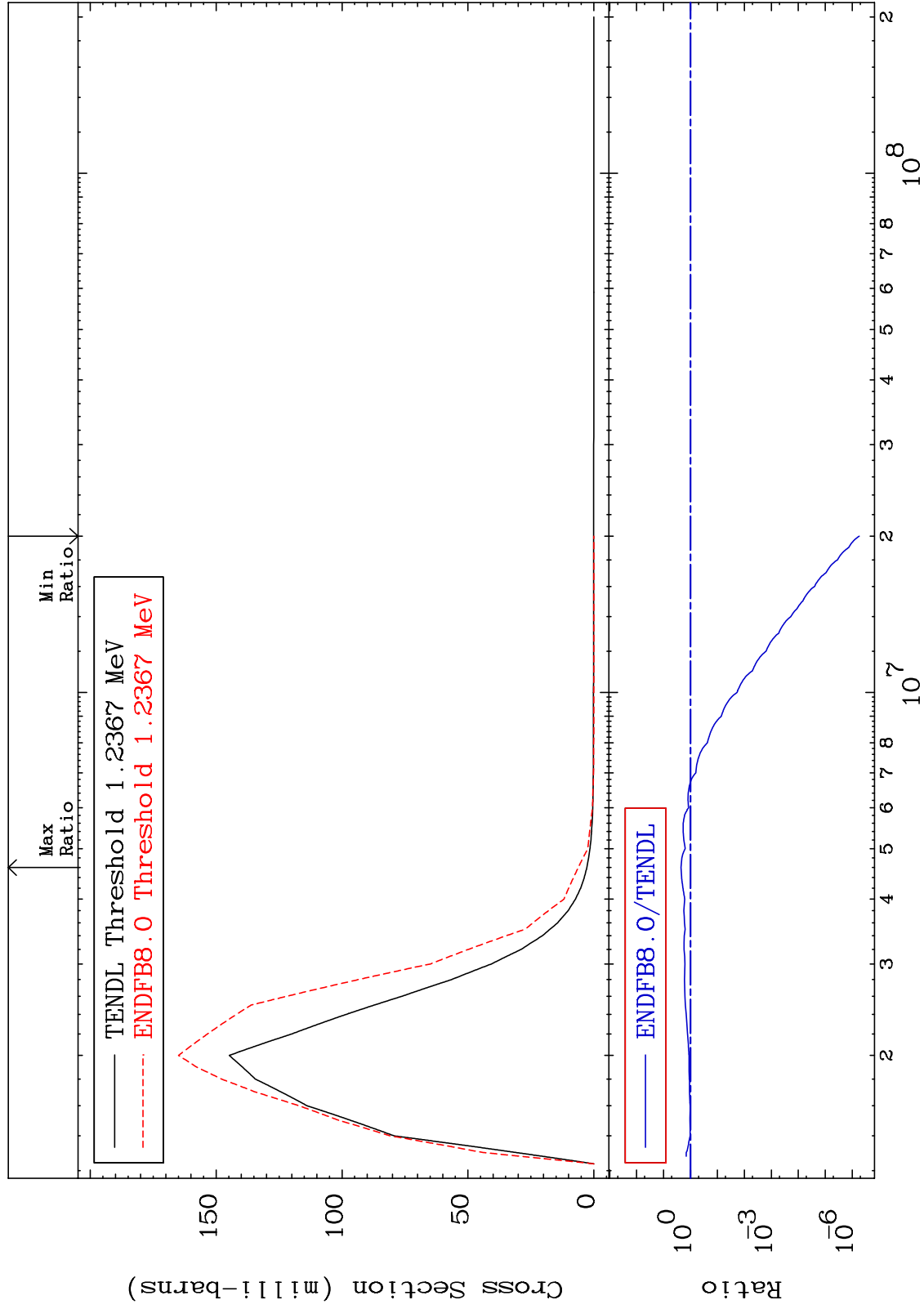
10

60-Nd-143

MAT 6028

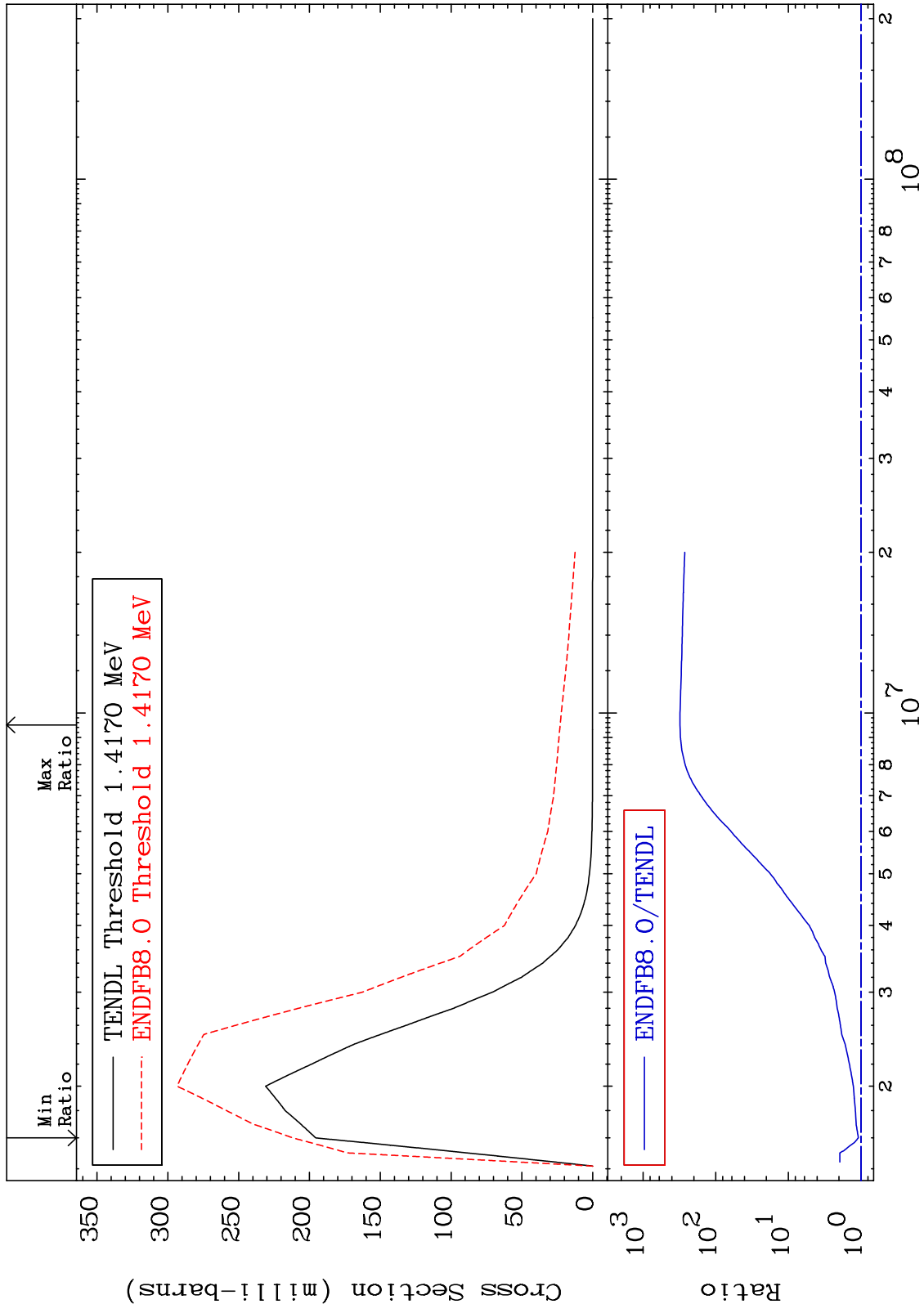
MT= 52 (n,n') Level  
Cross Section

60-Nd-143  
-100.0 To 123.5 %





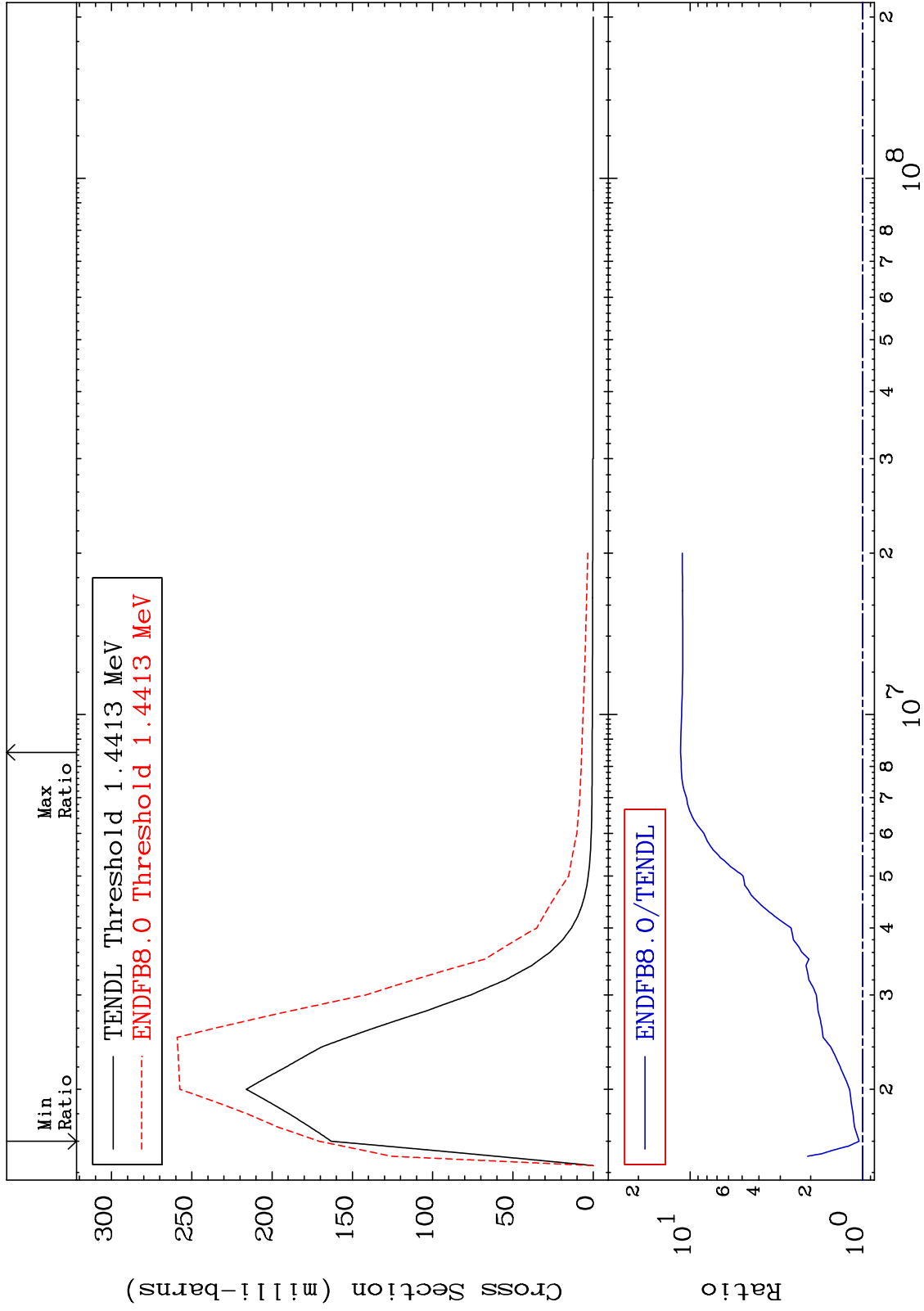
MAT 6028 MT= 54 (n,n') Level Cross Section 60-Nd-143 8.205 To 9999. %



MAT 6028

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

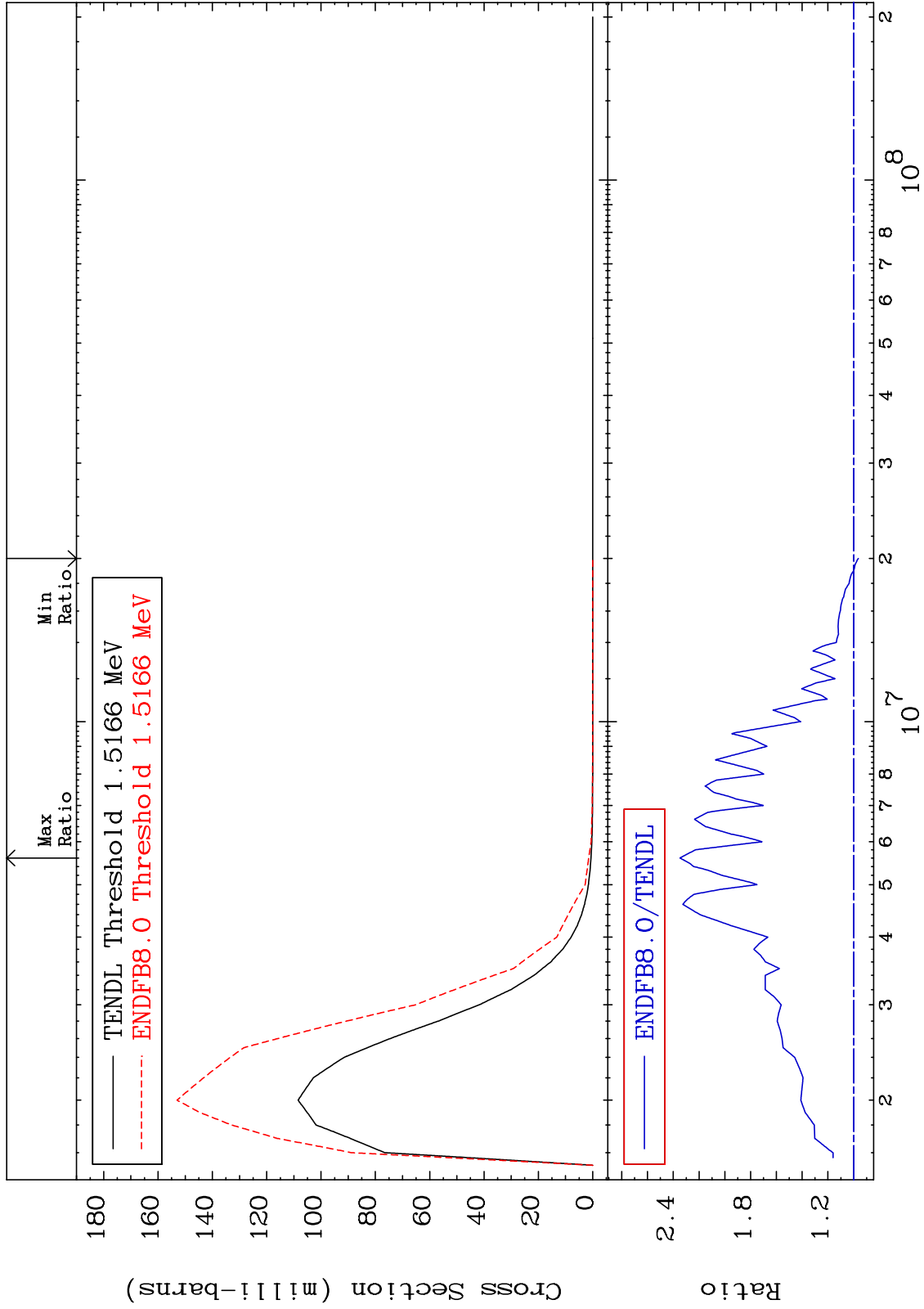
60-Nd-143  
4.739 To 1037. %



MAT 6028

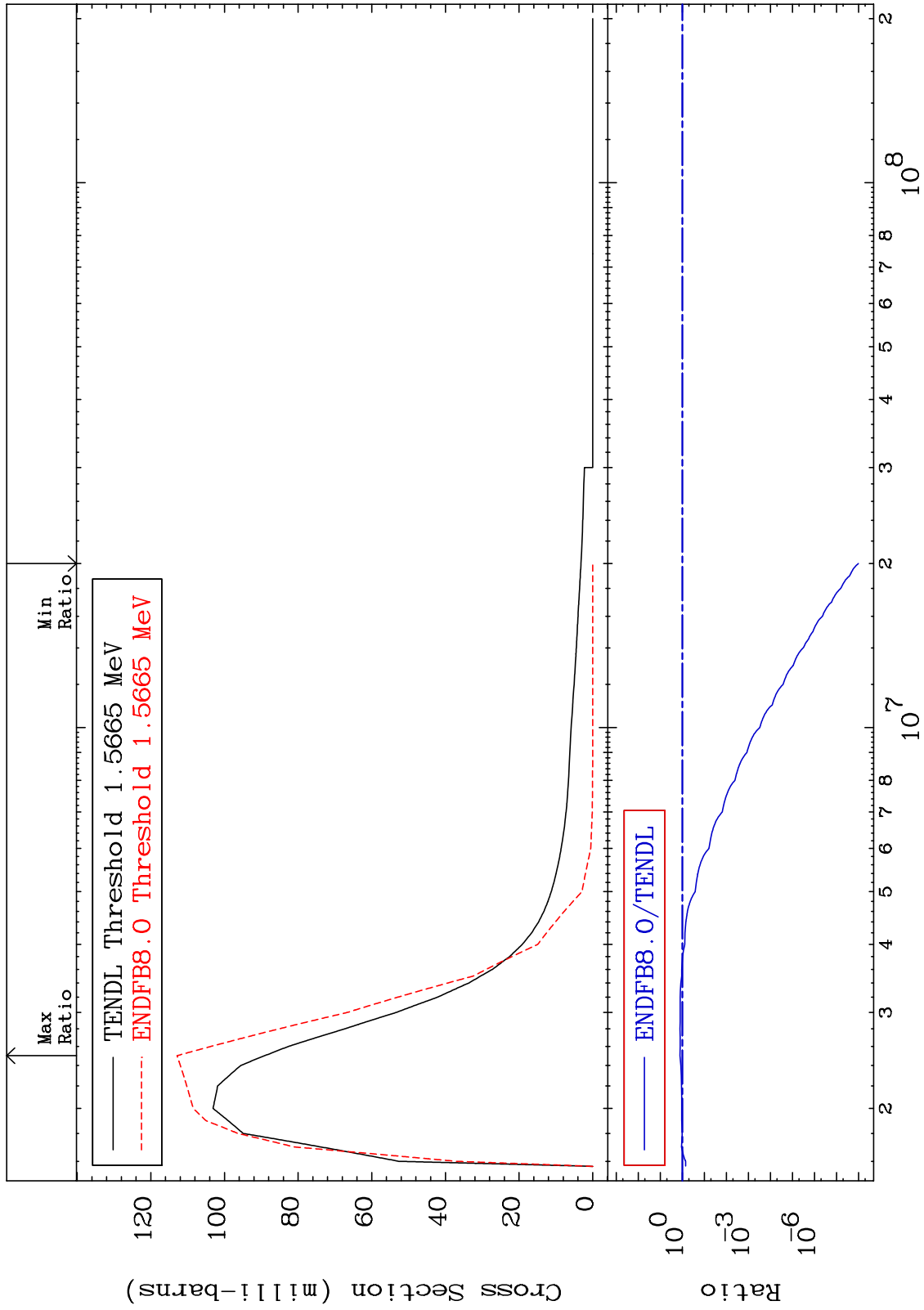
MT= 56 (n,n') Level  
Cross Section

60-Nd-143  
-3.663 To 134.8 %





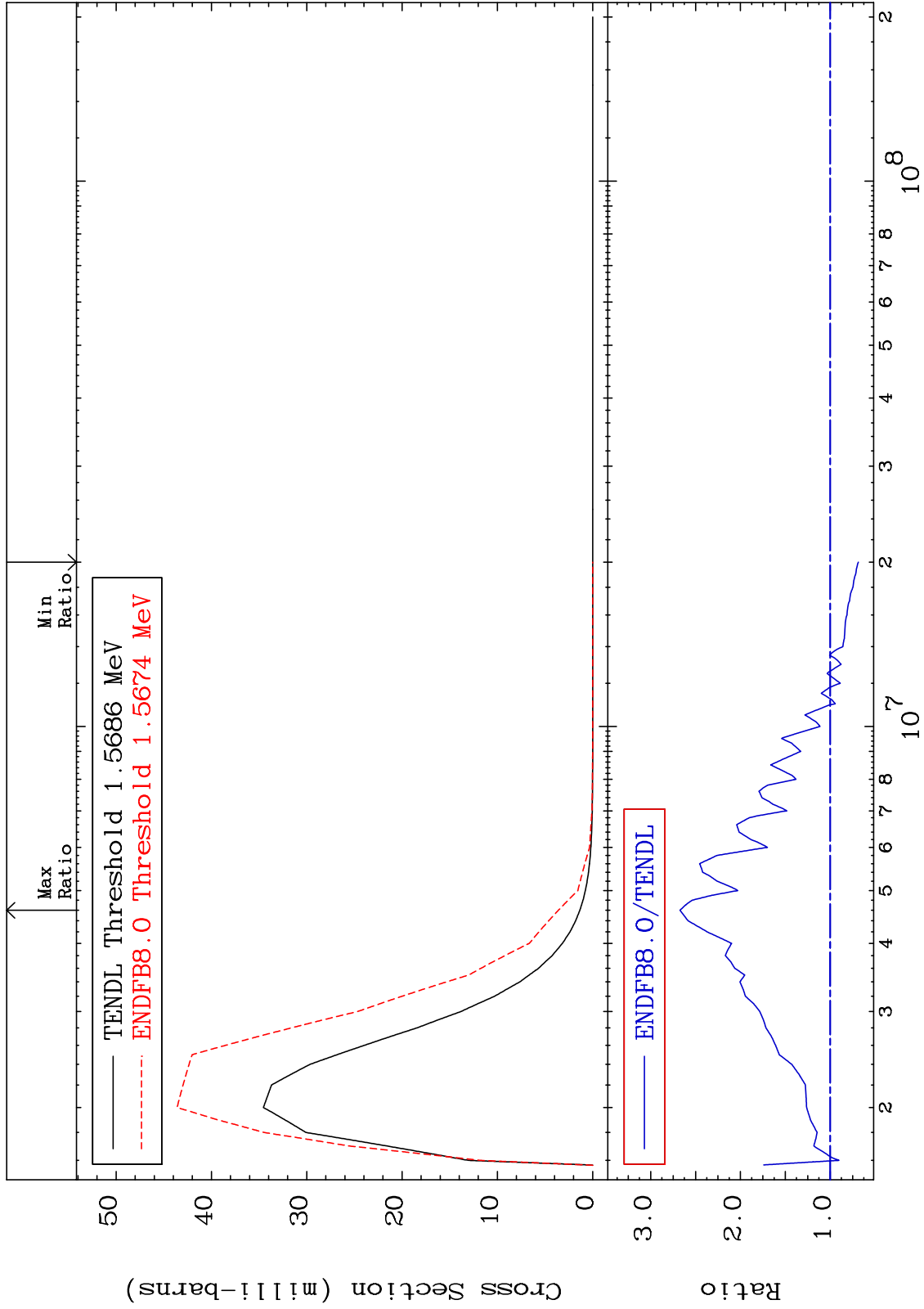
MAT 6028 MT= 57 (n, n') Level Cross Section 60-Nd-143  
-100.0 To 26.73 %



MAT 6028

MT= 58 (n,n') Level  
Cross Section

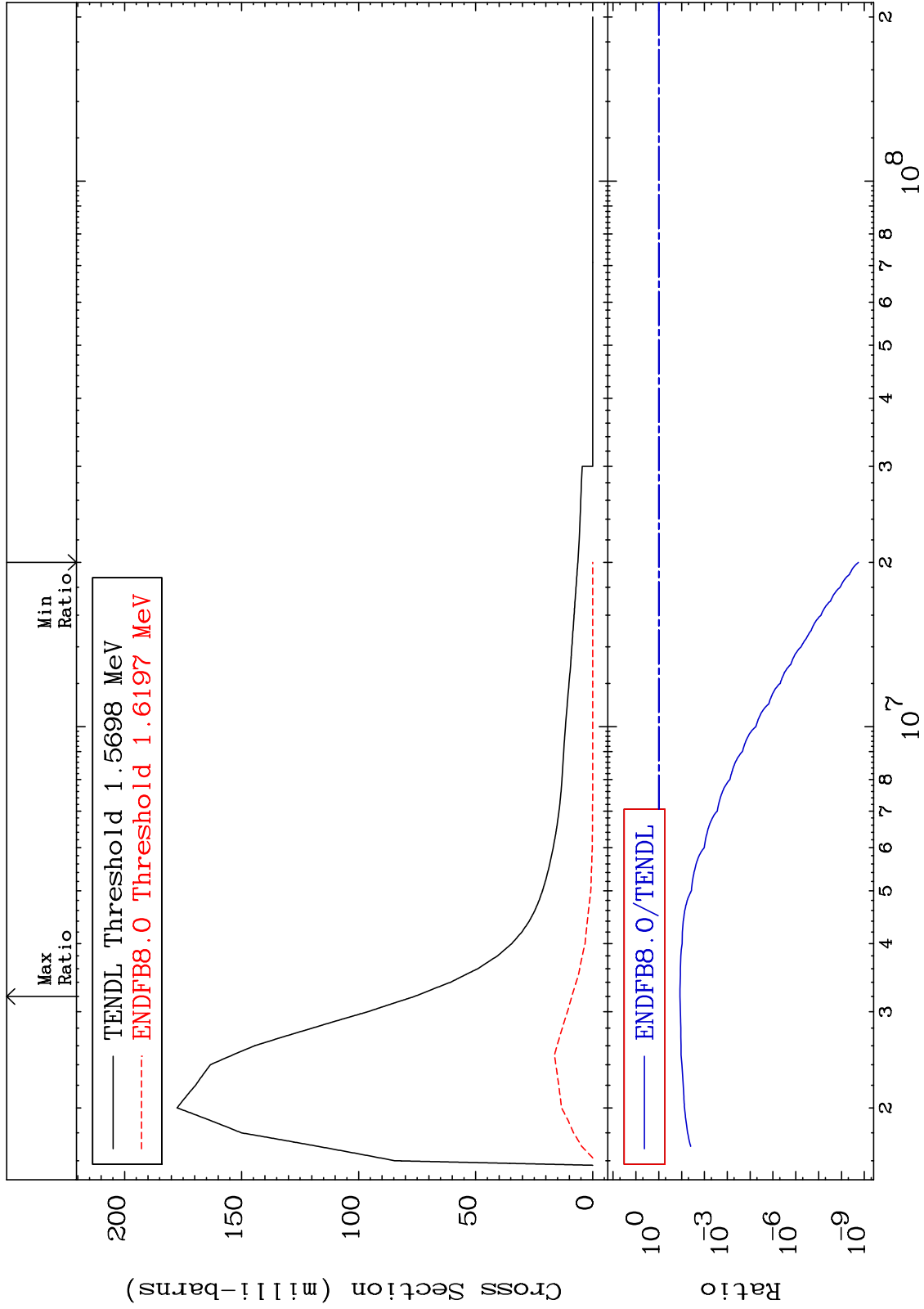
60-Nd-143  
-31.48 To 167.3 %



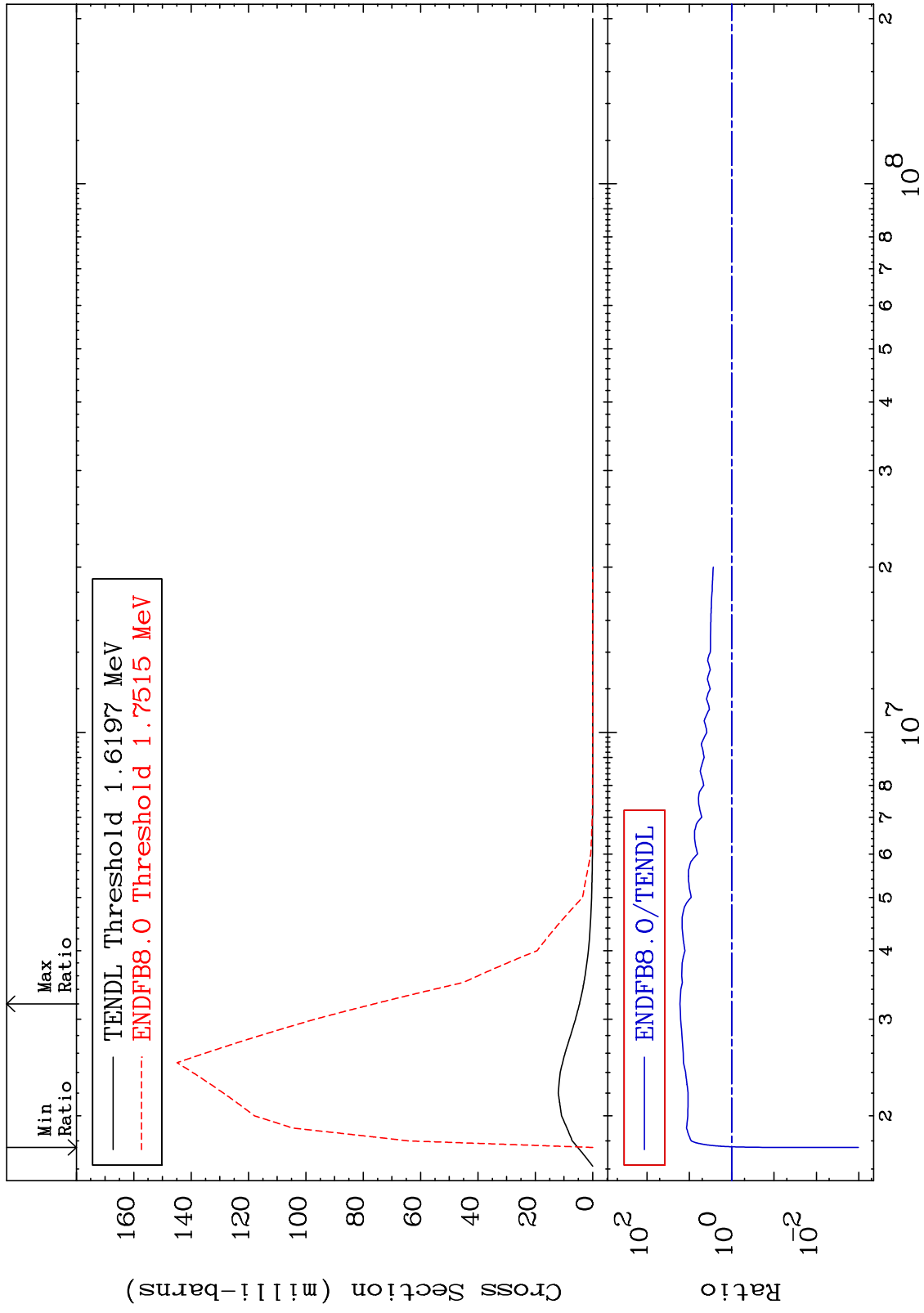
MAT 6028

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

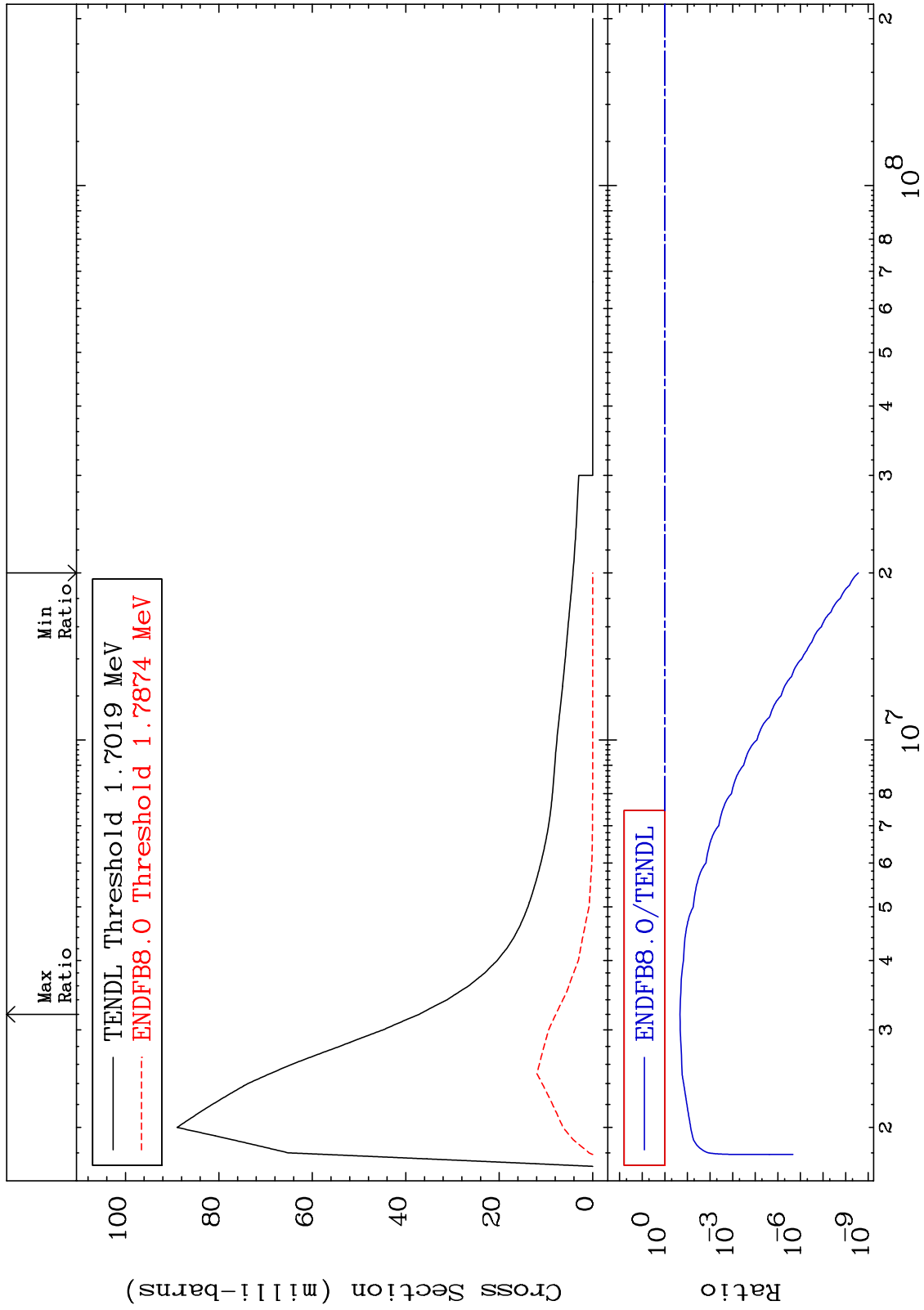
60-Nd-143  
-100.0 To -88.29%



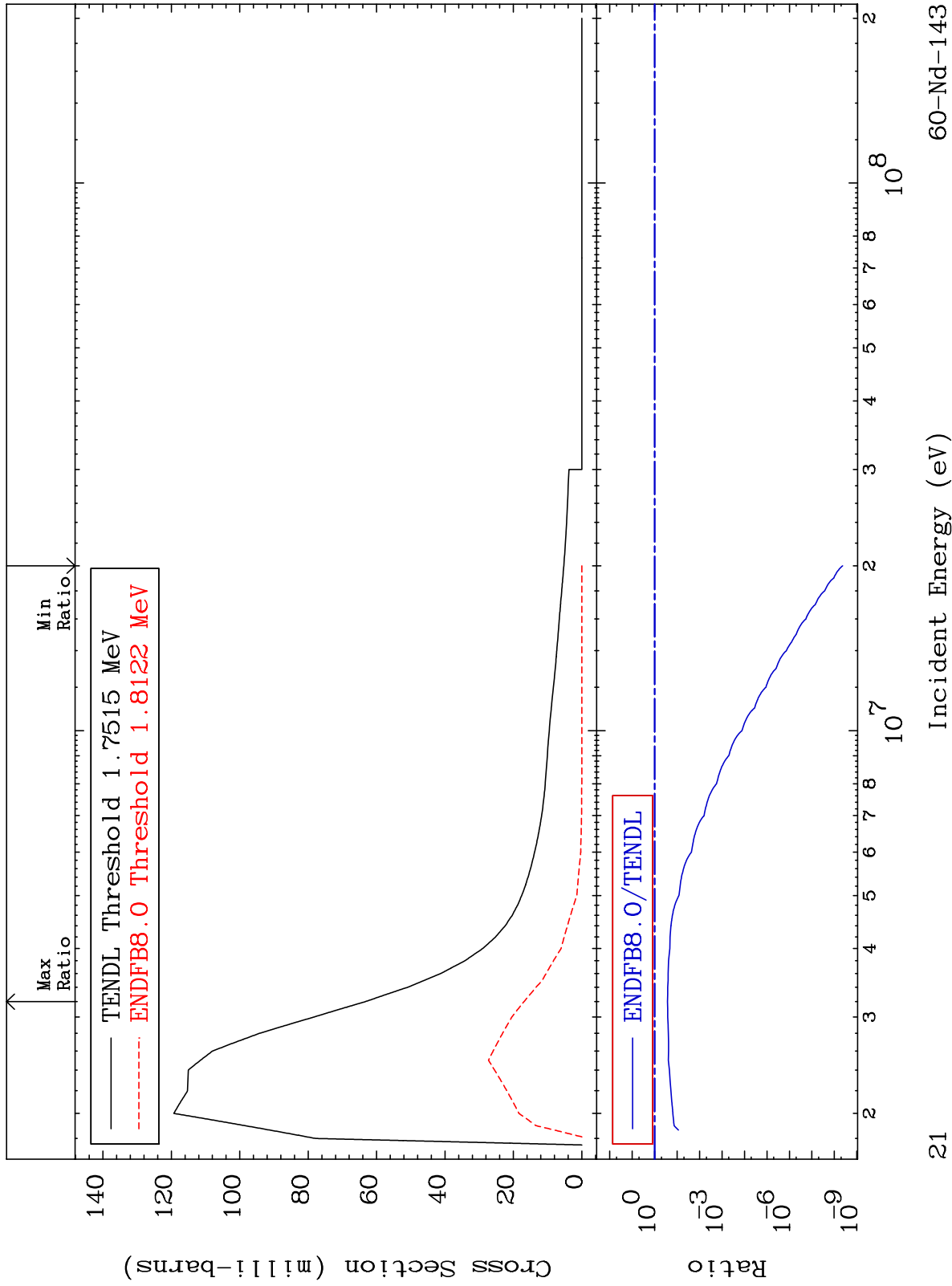
MAT 6028 MT= 60 (n,n') Level  
 Cross Section 60-Nd-143  
 -99.90 To 1561. %



MAT 6028 MT= 61 (n,n') Level  
 Cross Section 60-Nd-143  
 -100.0 To -78.75%



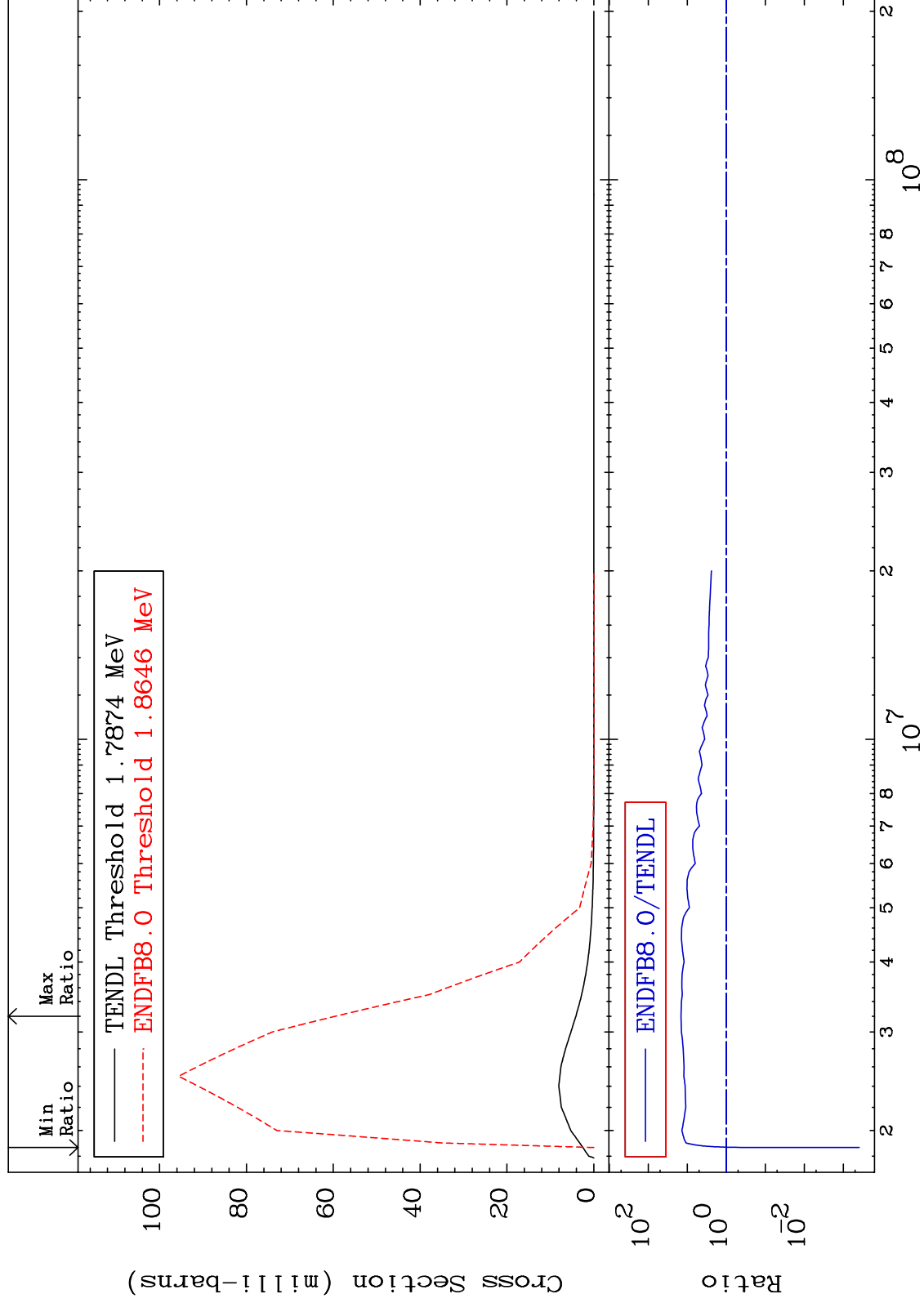
MAT 6028 MT= 62 (n,n') Level Cross Section 60-Nd-143  
 -100.0 To -73.29%



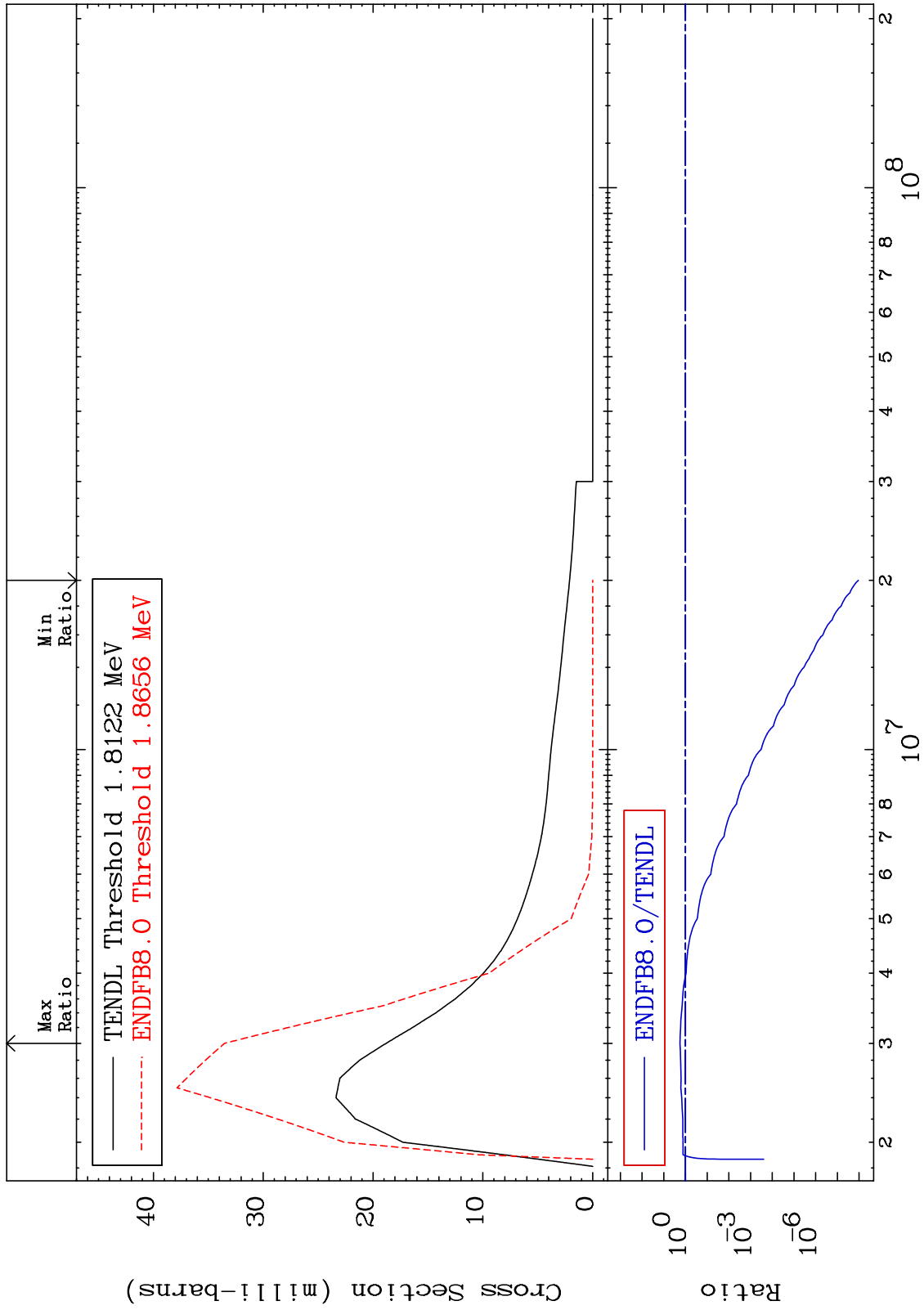
MAT 6028

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

60-Nd-143  
-99.96 To 1343. %



MAT 6028 MT= 64 (n,n') Level Cross Section 60-Nd-143  
 -100.0 To 78.22 %

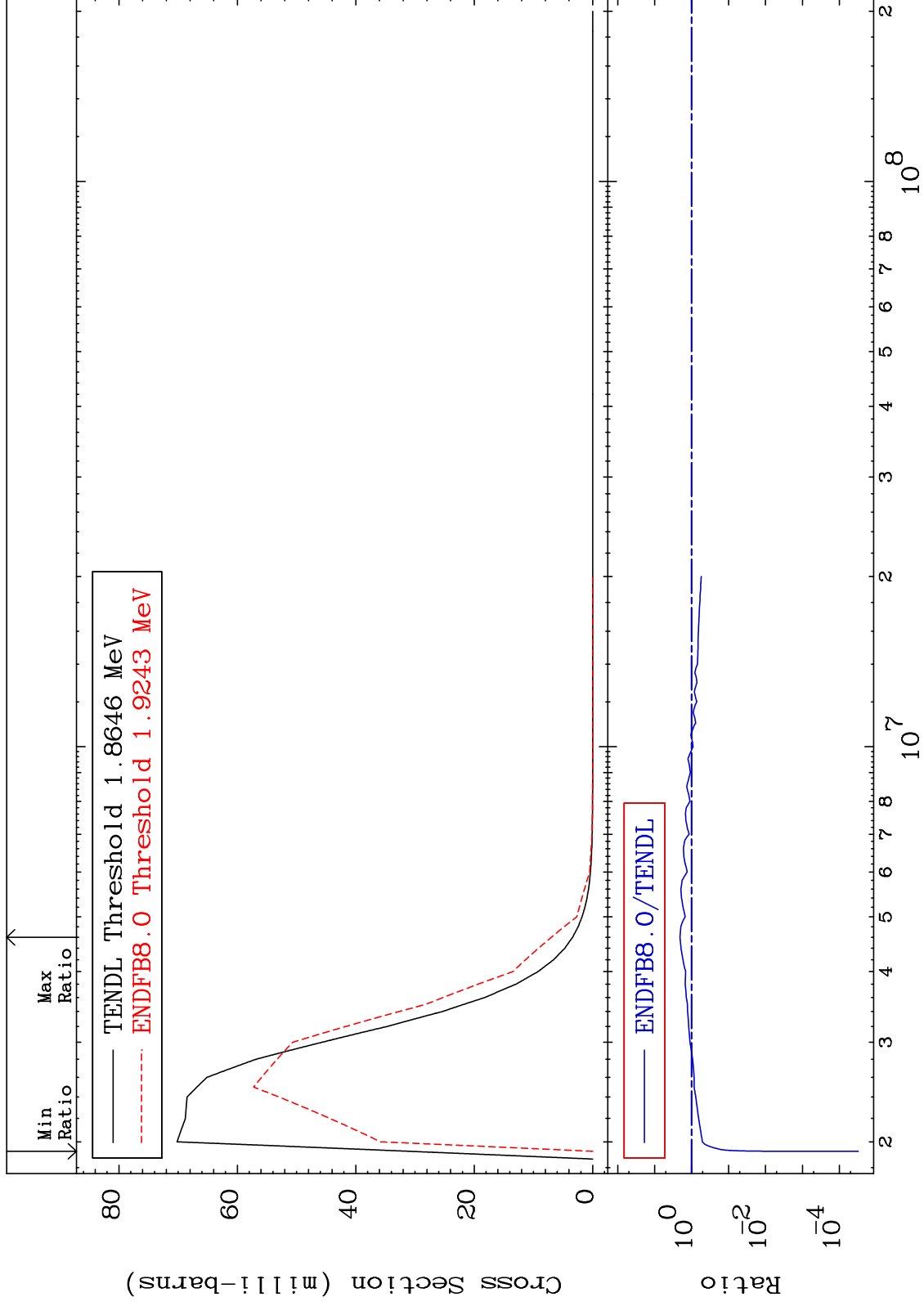




MAT 6028

MT= 65 (n,n') Level  
Cross Section

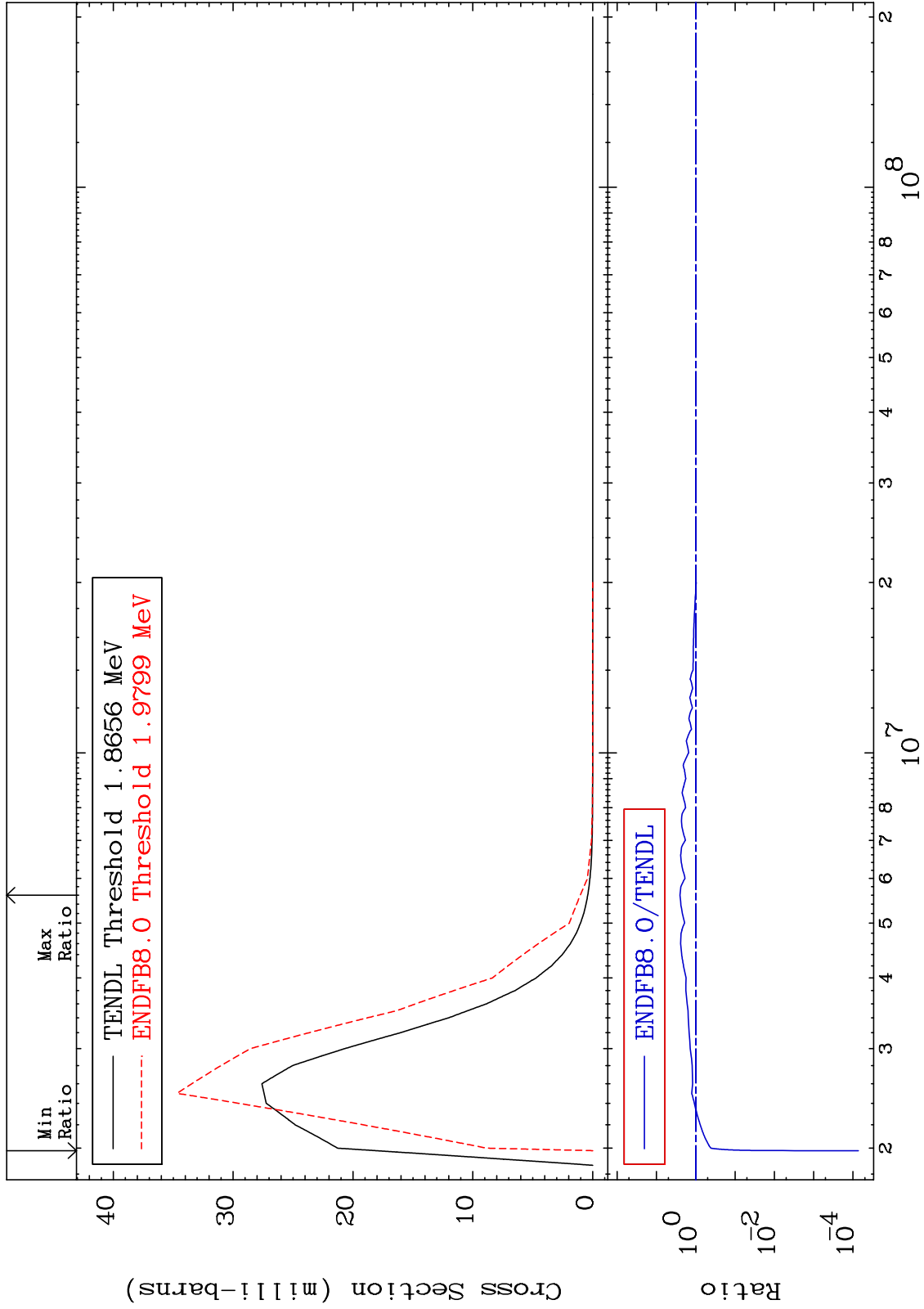
60-Nd-143  
-100.0 To 106.0 %



MAT 6028

MT= 66 (n,n') Level  
Cross Section

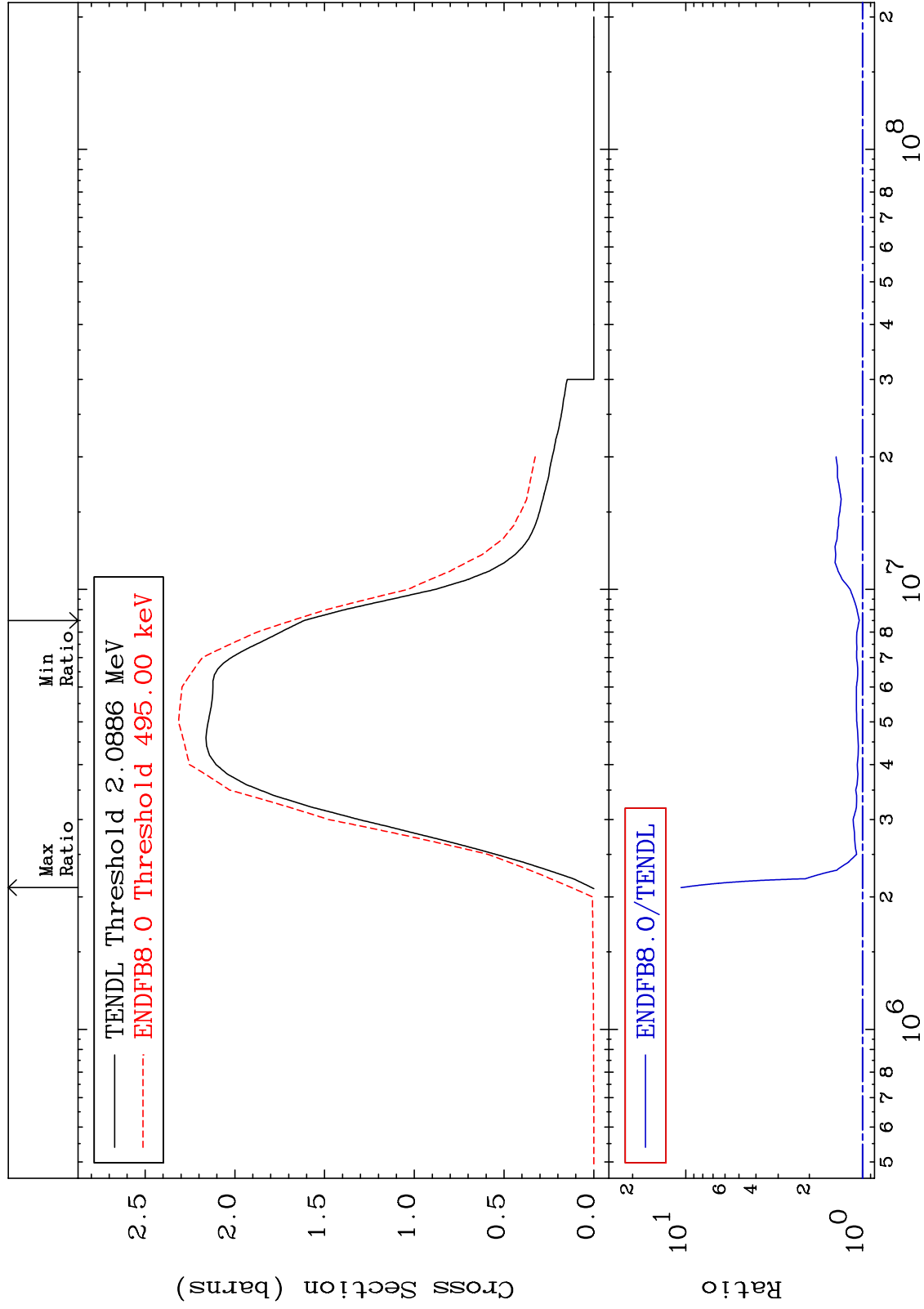
60-Nd-143  
-99.99 To 152.0 %



MAT 6028

(n, n') Continuum  
Cross Section

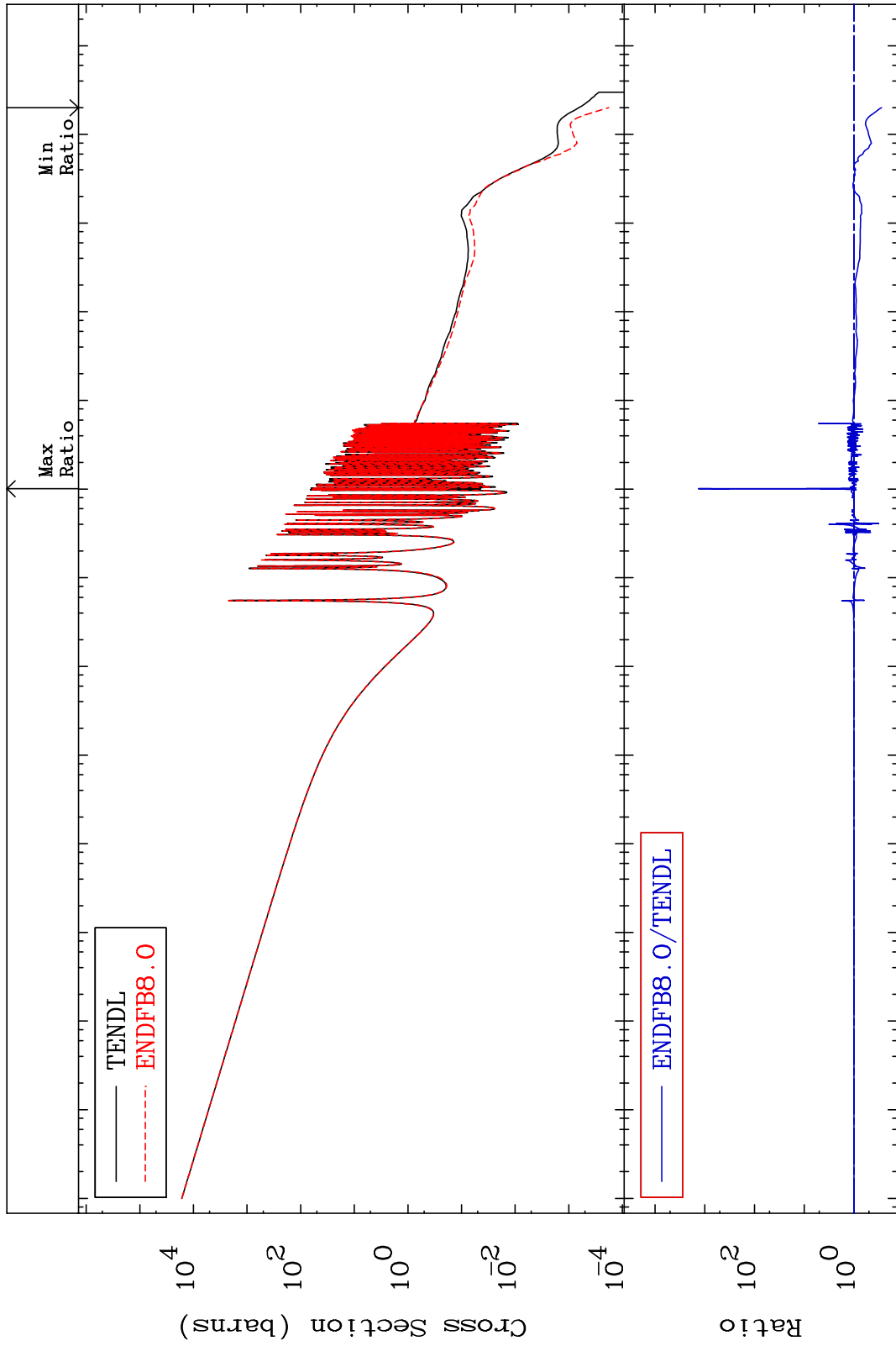
60-Nd-143  
4.172 To 962.6 %



MAT 6028

(n,  $\gamma$ )  
Cross Section

60-Nd-143  
-72.19 To 9999. %



27

Incident Energy (eV)

60-Nd-143

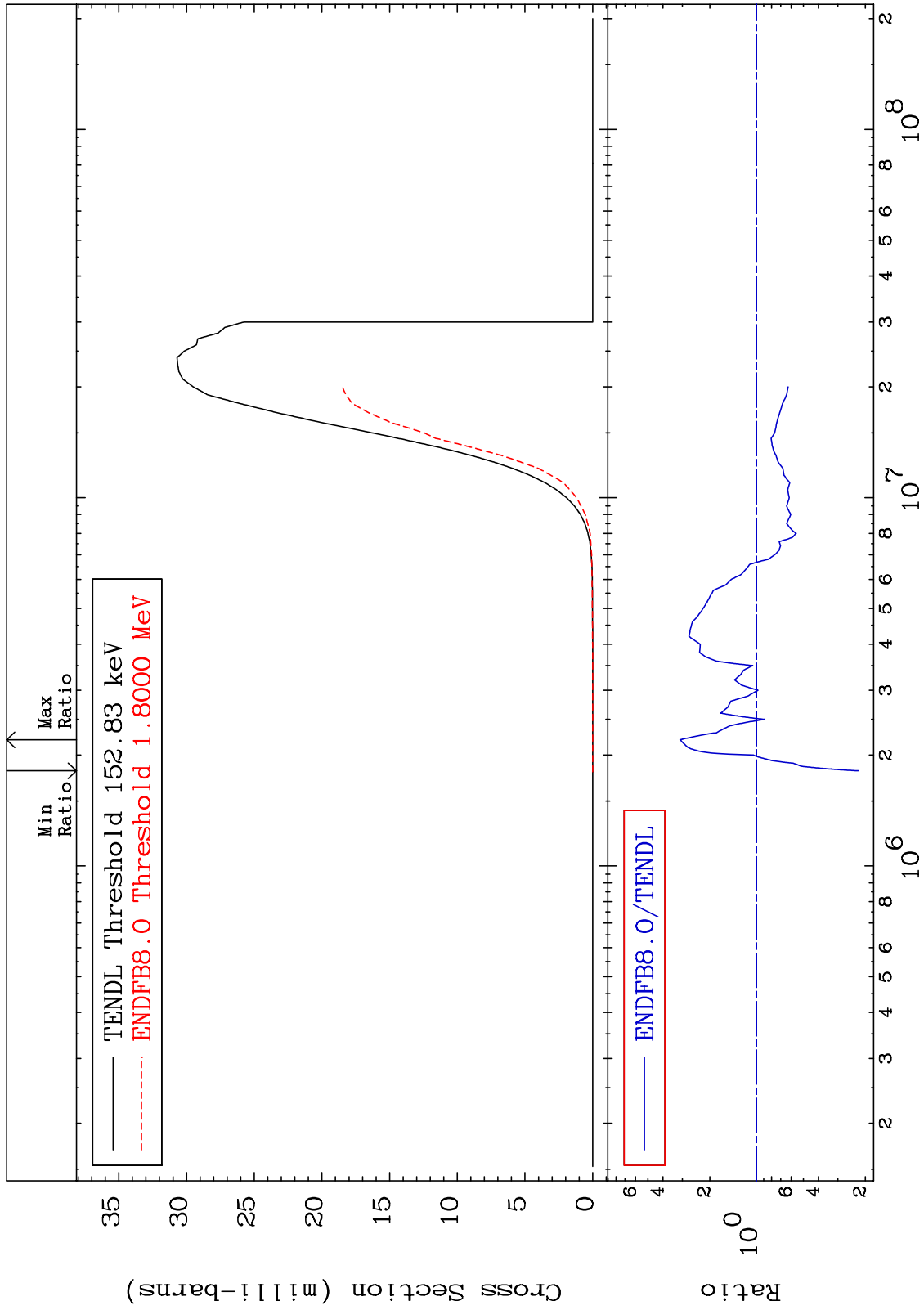
MAT 6028

(n,p)

60-Nd-143

Cross Section

-77.84 To 210.4 %



28

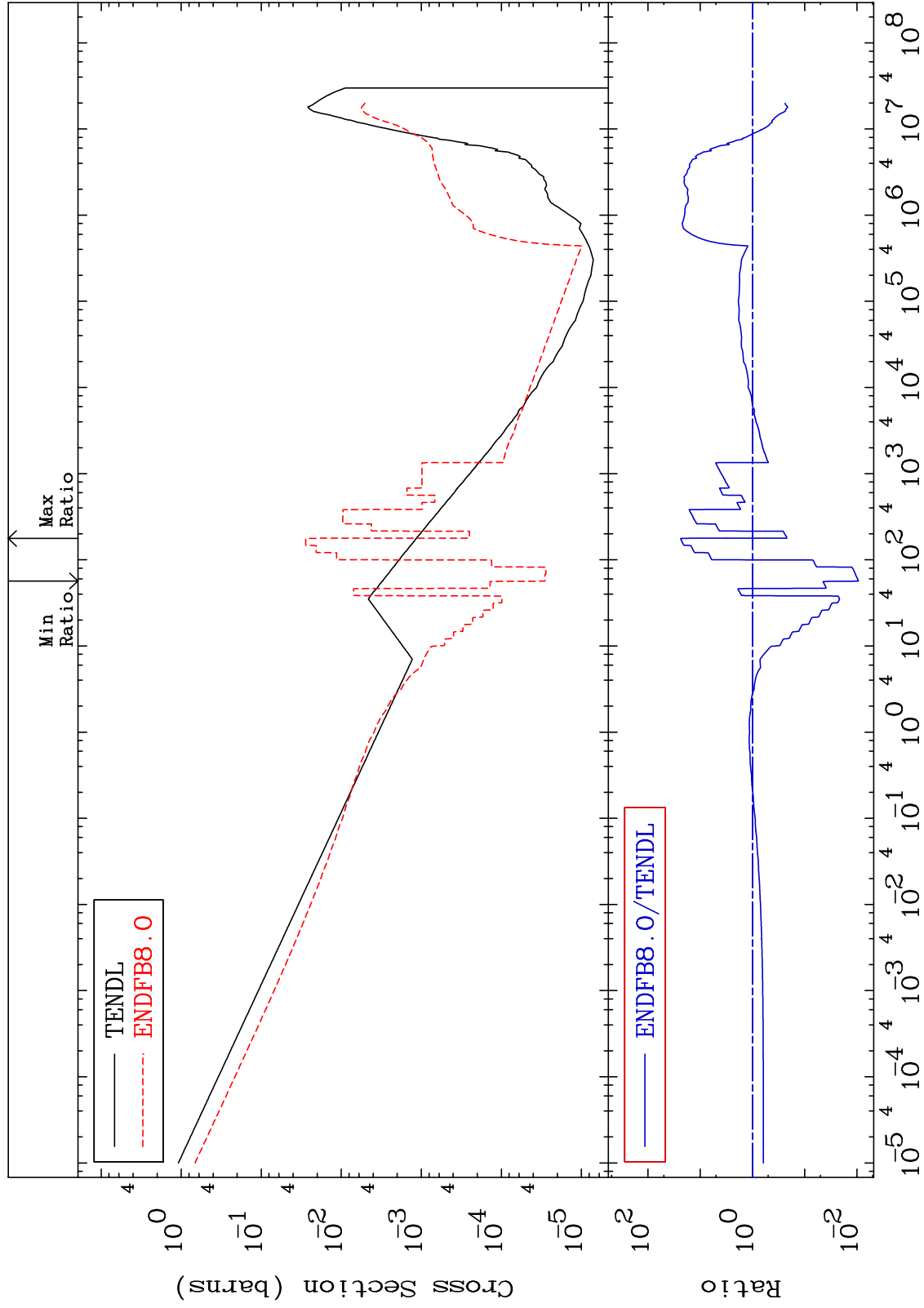
Incident Energy (eV)

60-Nd-143

MAT 6028

(n,  $\alpha$ )  
Cross Section

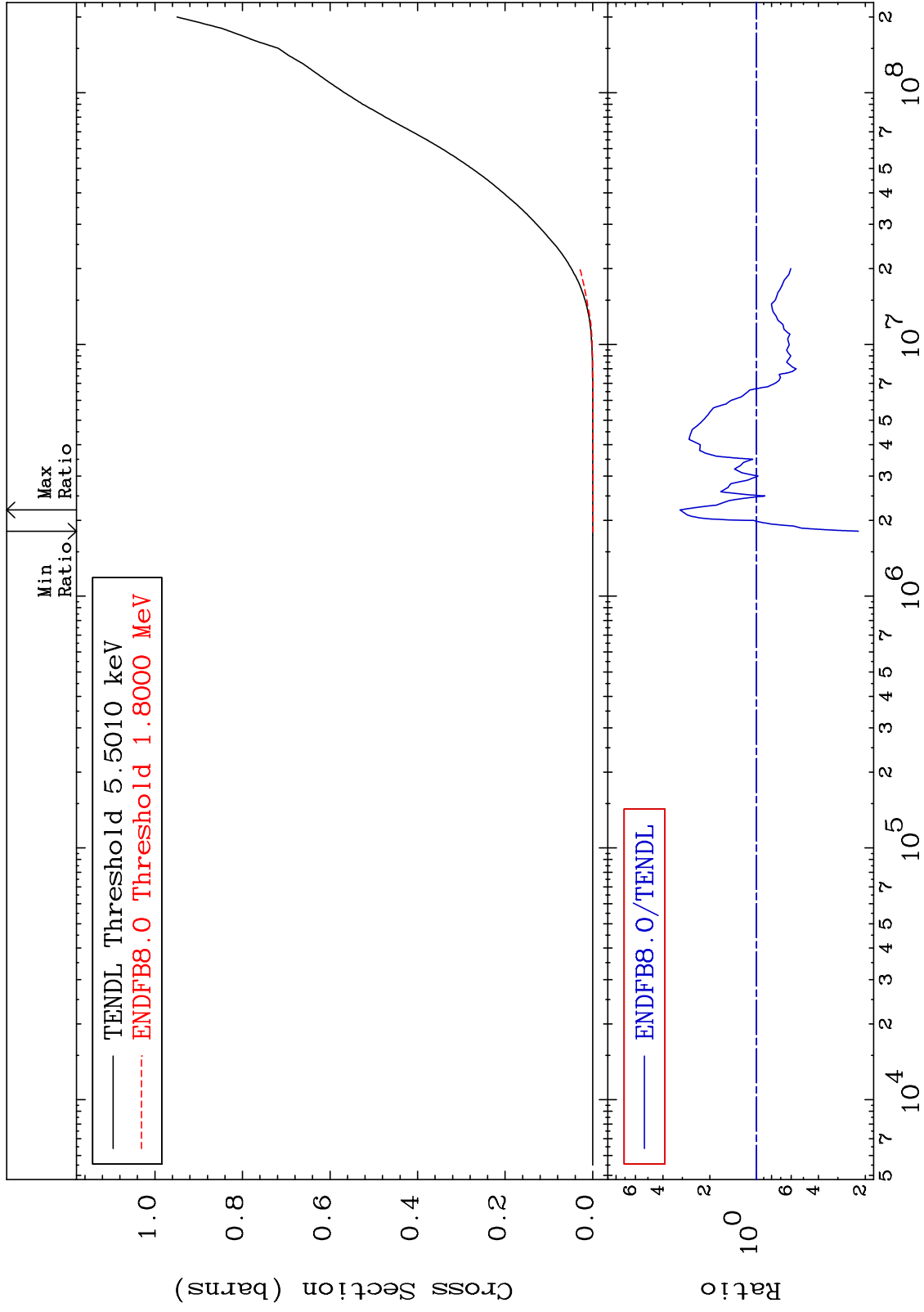
60-Nd-143  
-99.07 To 2294. %



MAT 6028

Hydrogen Production  
Cross Section

60-Nd-143  
-77.84 To 210.4 %



30

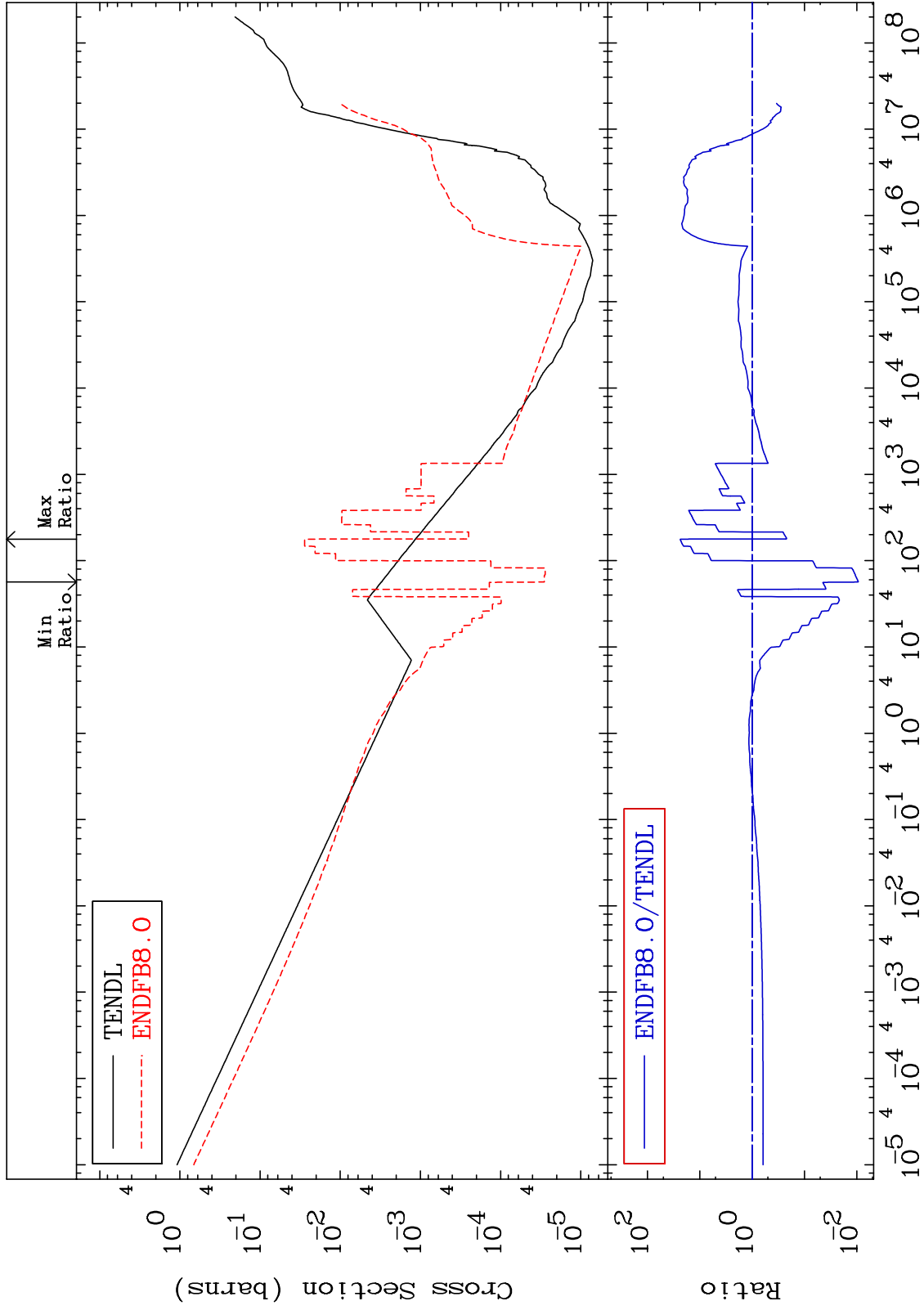
Incident Energy (eV)

60-Nd-143

MAT 6028

He-4 Production  
Cross Section

60-Nd-143  
-99.07 To 2294. %

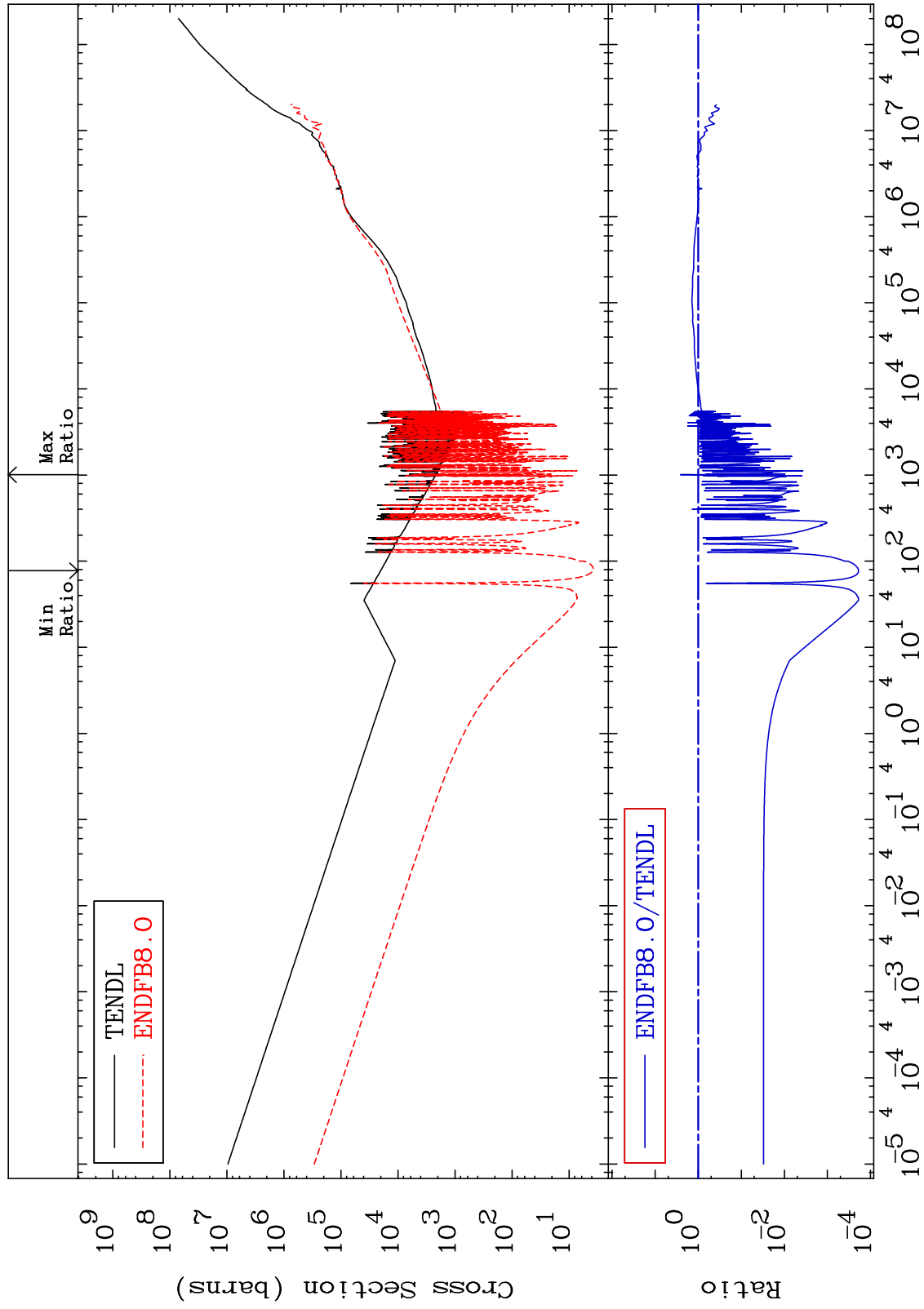




MAT 6028

Kerma total (eV-barns)  
Cross Section

60-Nd-143  
-99.98 To 158.2 %



32

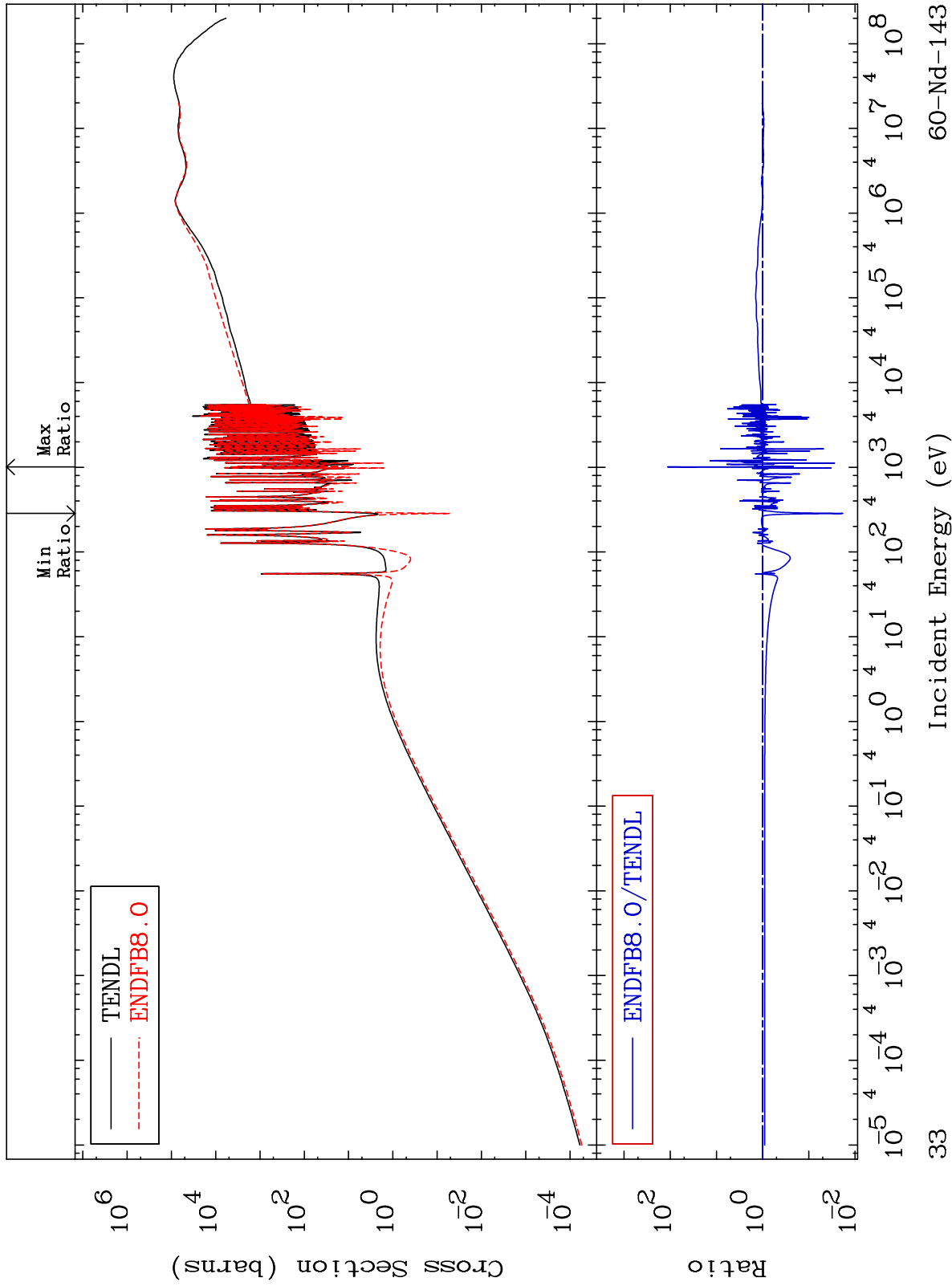
Incident Energy (eV)

60-Nd-143

MAT 6028

Kerma elastic  
Cross Section

60-Nd-143  
-98.15 To 9999. %



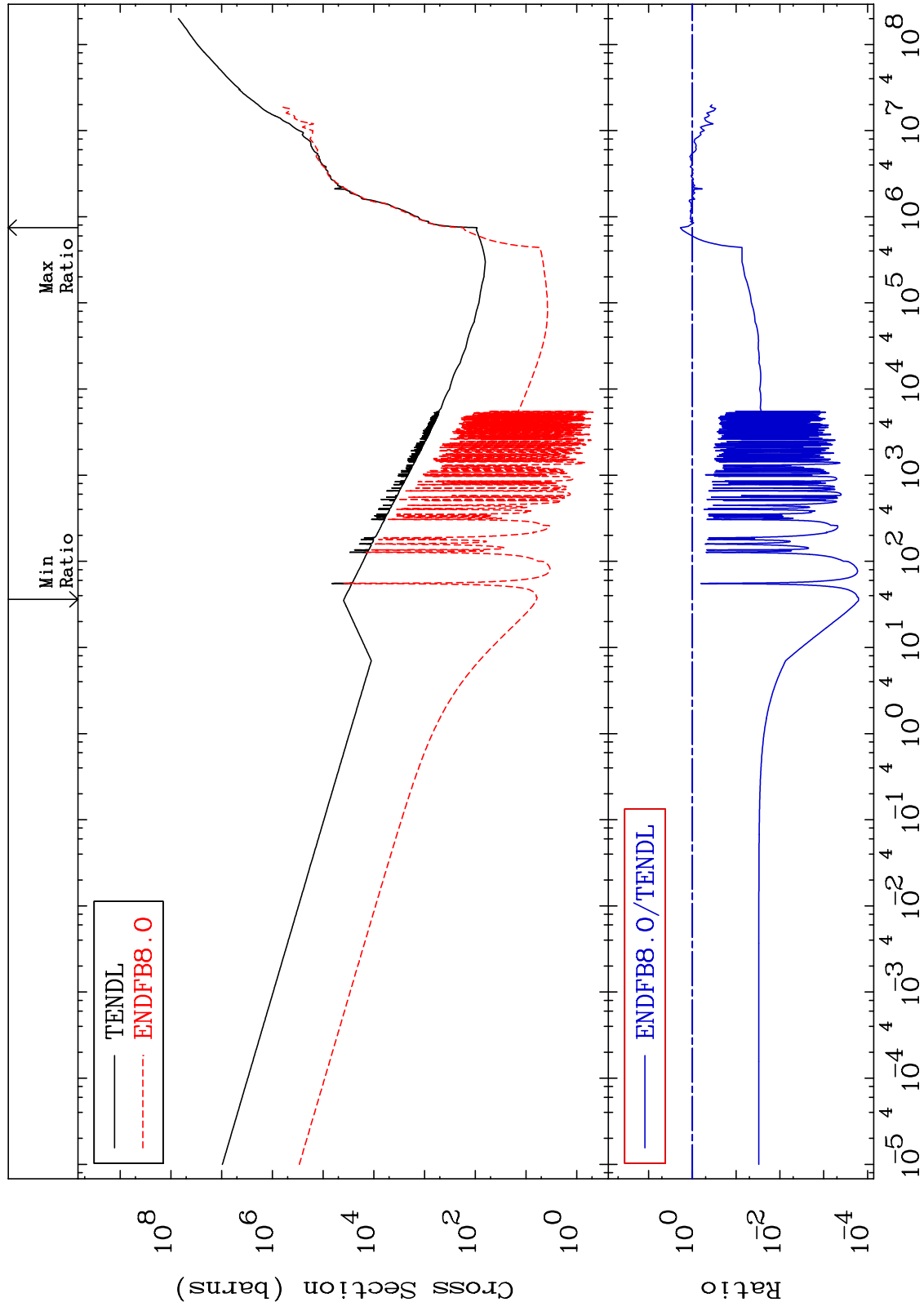
33

60-Nd-143

MAT 6028

Kerma non-elastic (all but mt2)  
Cross Section

60-Nd-143  
-99.98 To 87.52 %



34

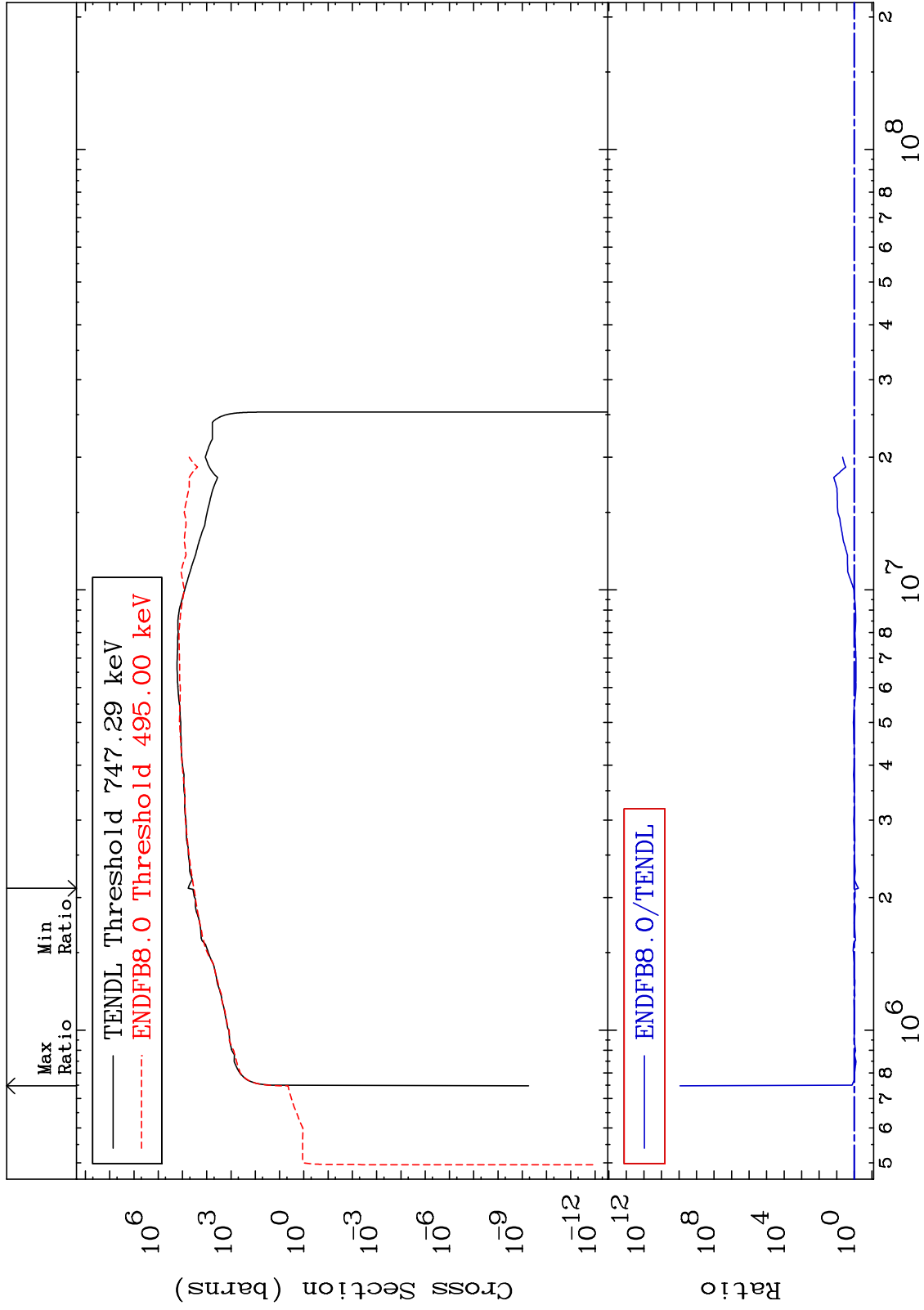
Incident Energy (eV)

60-Nd-143

MAT 6028

Kerma inelastic (mt51-91)  
Cross Section

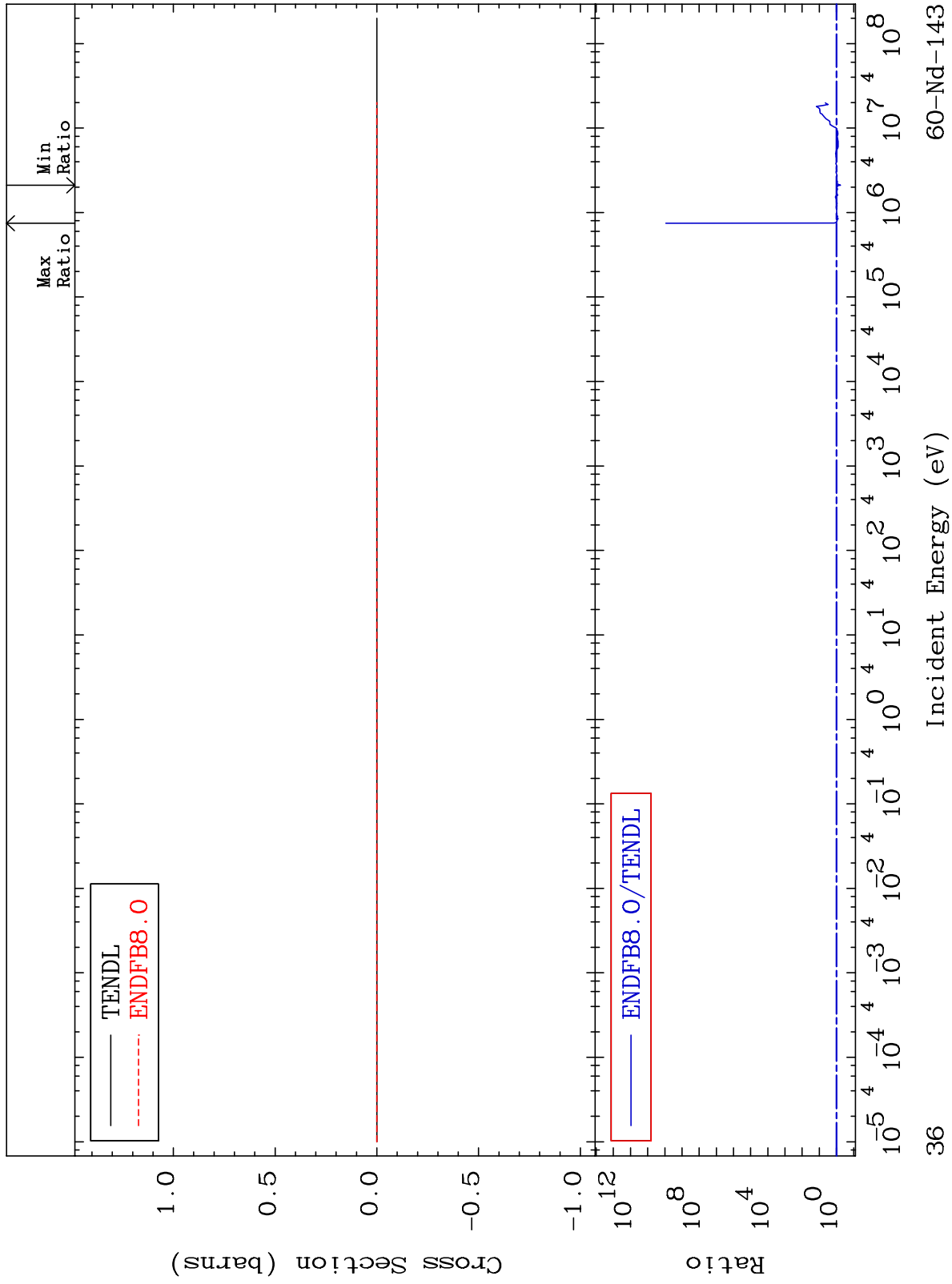
60-Nd-143  
-41.99 To 9999. %



MAT 6028

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

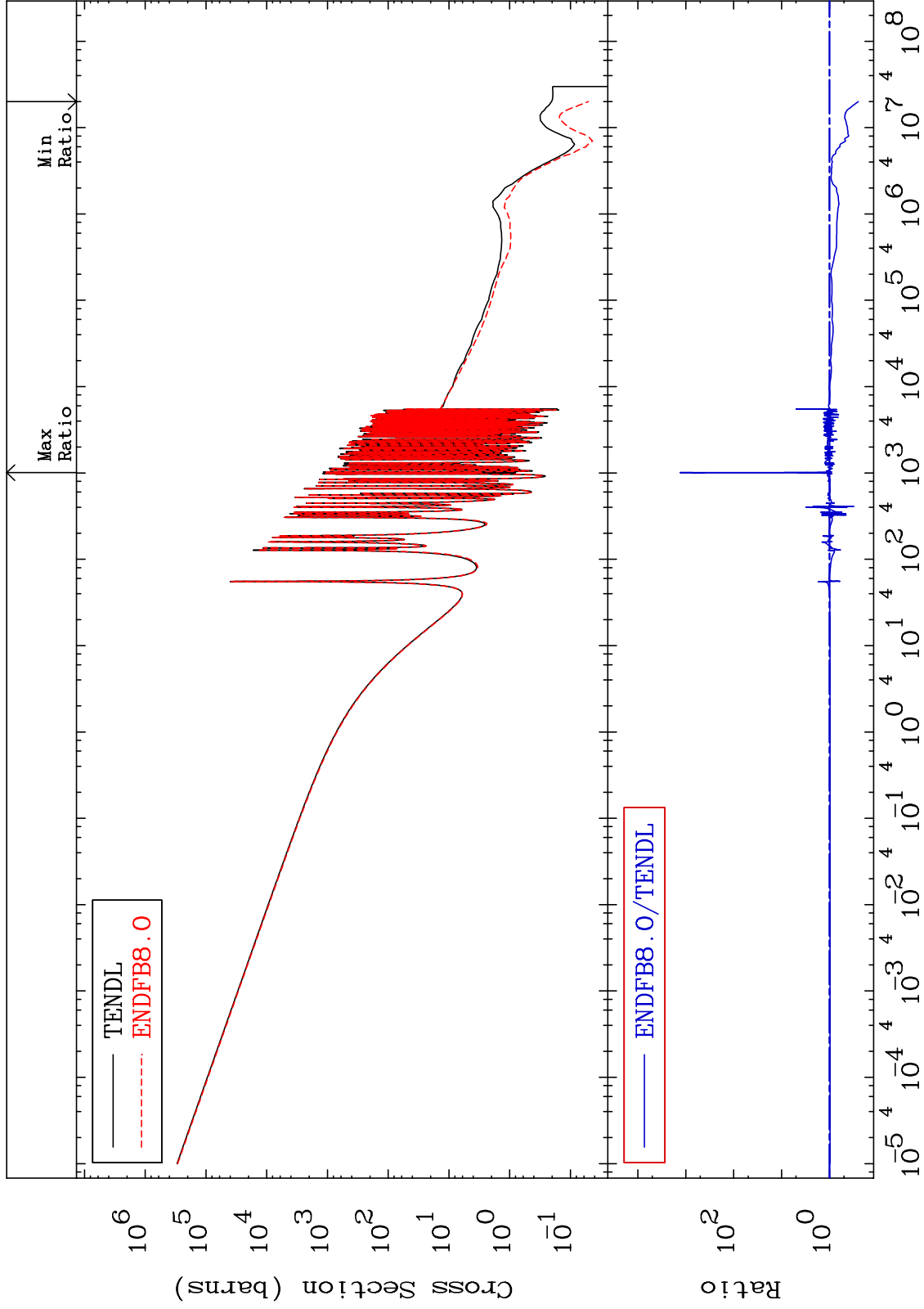
60-Nd-143  
-41.99 To 9999. %



MAT 6028

Kerma capture (mt102)  
Cross Section

60-Nd-143  
-75.14 To 9999. %



37

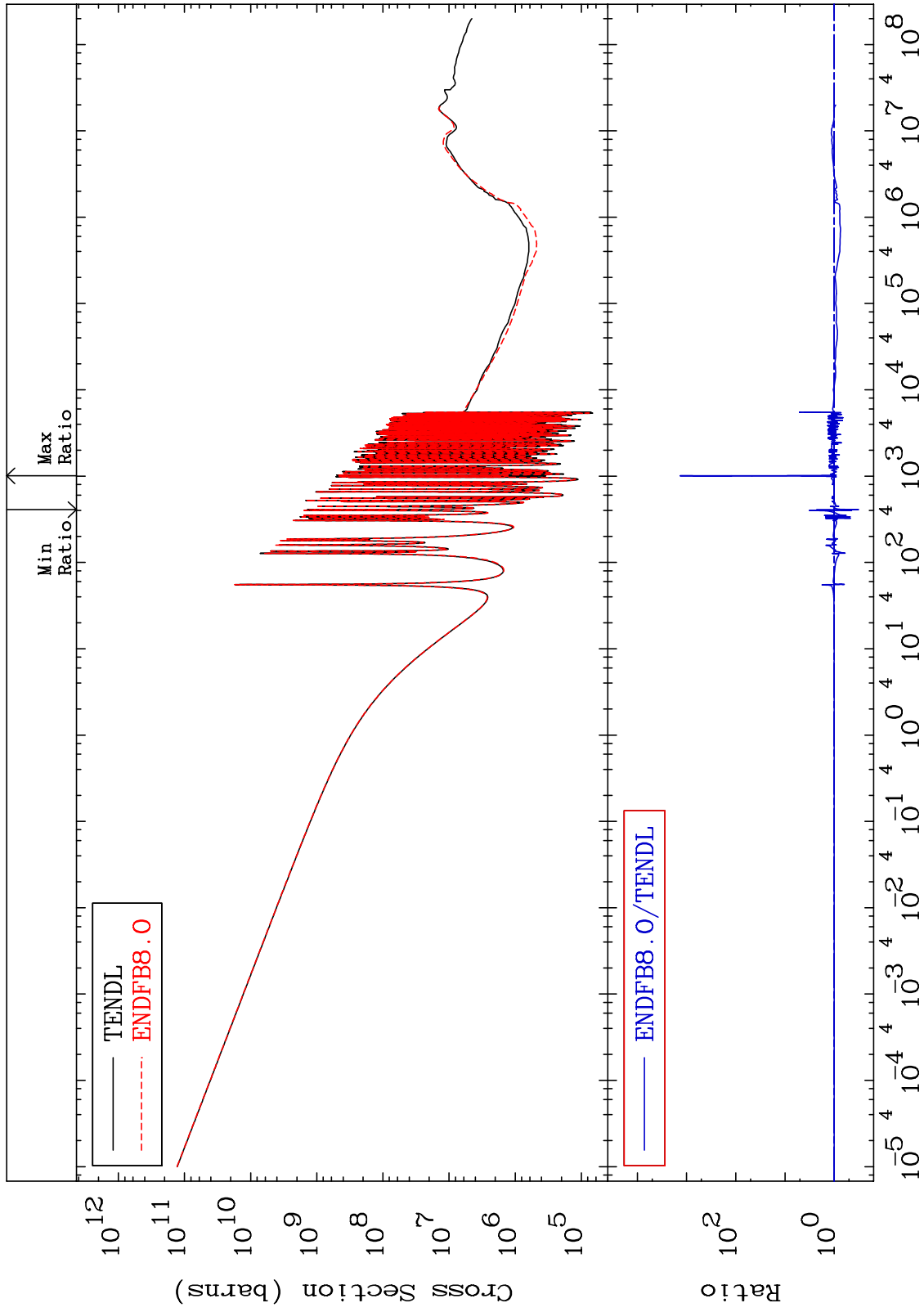
Incident Energy (eV)

60-Nd-143

MAT 6028

Total photon (eV-barns)  
Cross Section

60-Nd-143  
-67.77 To 9999. %



38

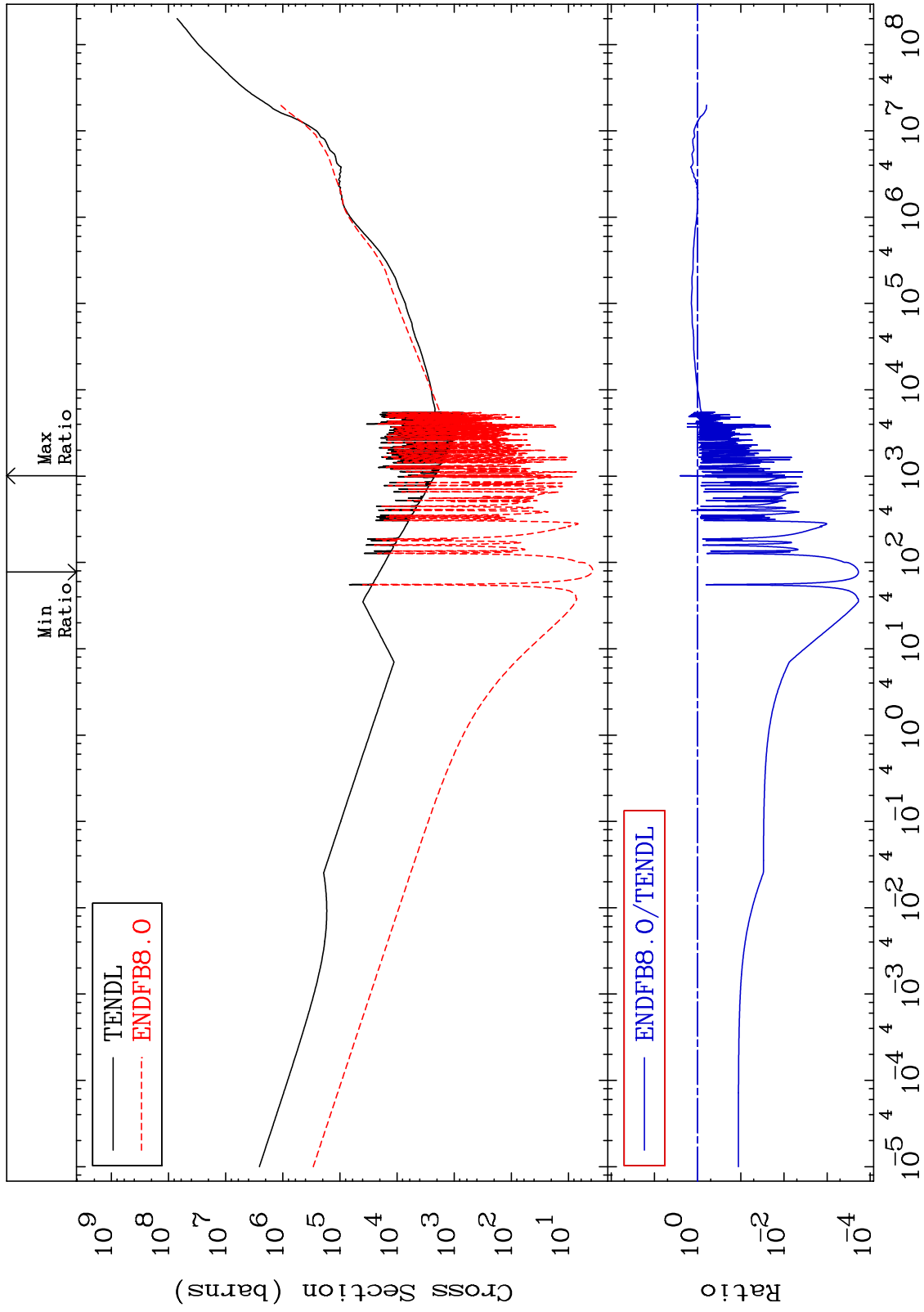
Incident Energy (eV)

60-Nd-143

MAT 6028

Total kinematic kerma (high limit)  
Cross Section

60-Nd-143  
-99.98 To 156.0 %



39

Incident Energy (eV)

60-Nd-143



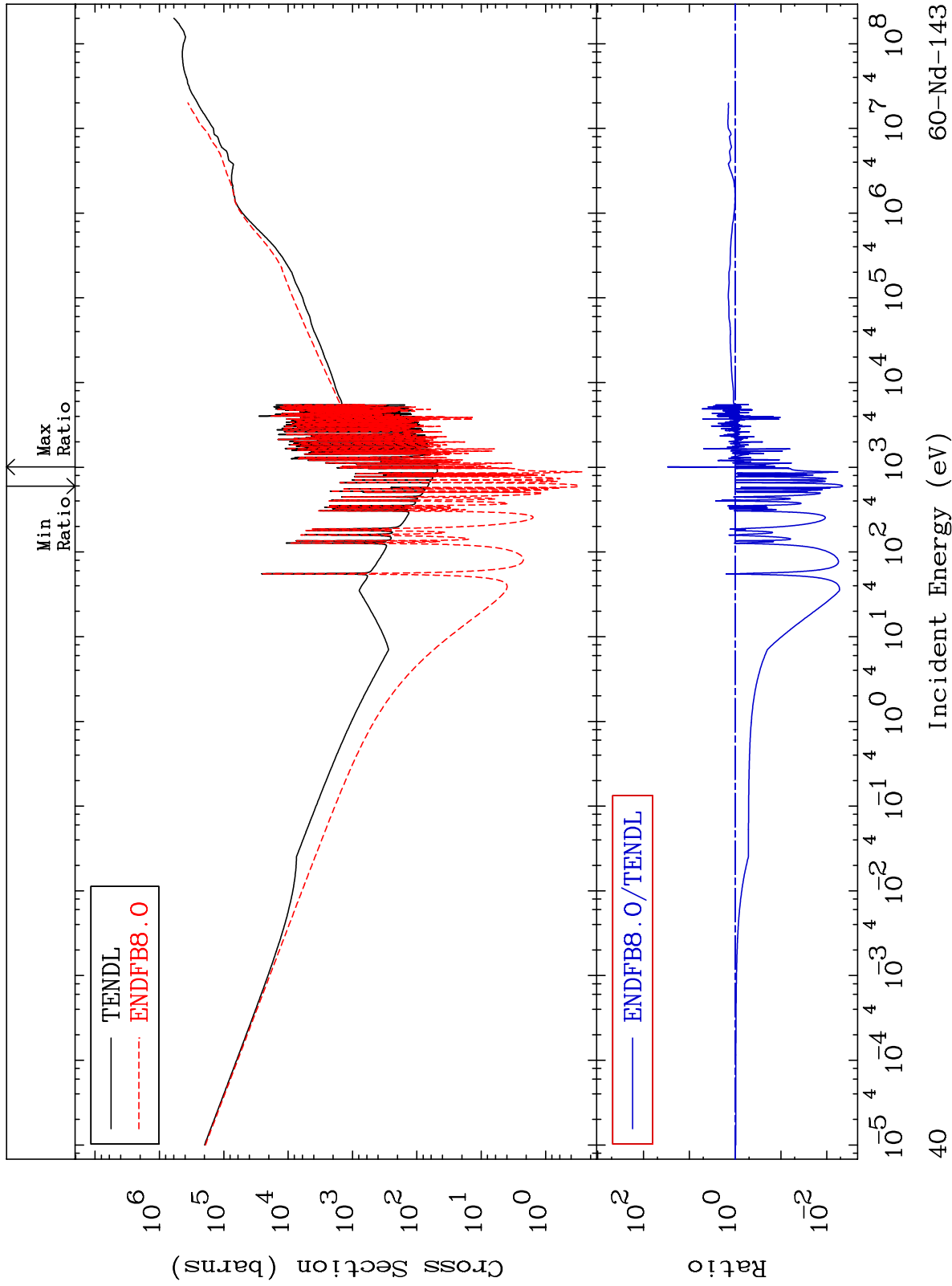
MAT 6028

Dpa total (eV-barns)

60-Nd-143

-99.55 To 2893. %

Cross Section



40

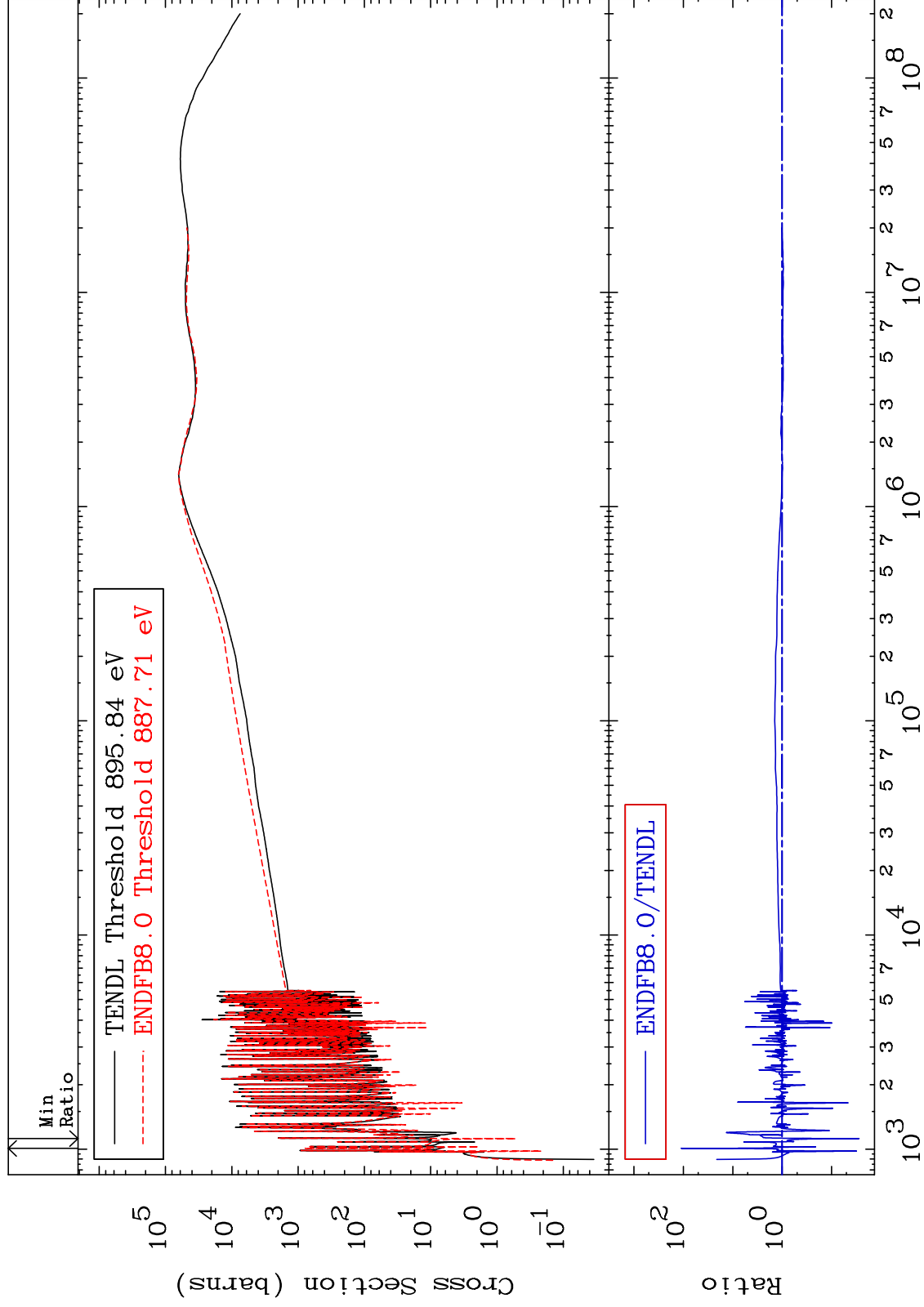
Incident Energy (eV)

60-Nd-143

MAT 6028

Dpa elastic (mt2)  
Cross Section

60-Nd-143  
-97.25 To 9999. %



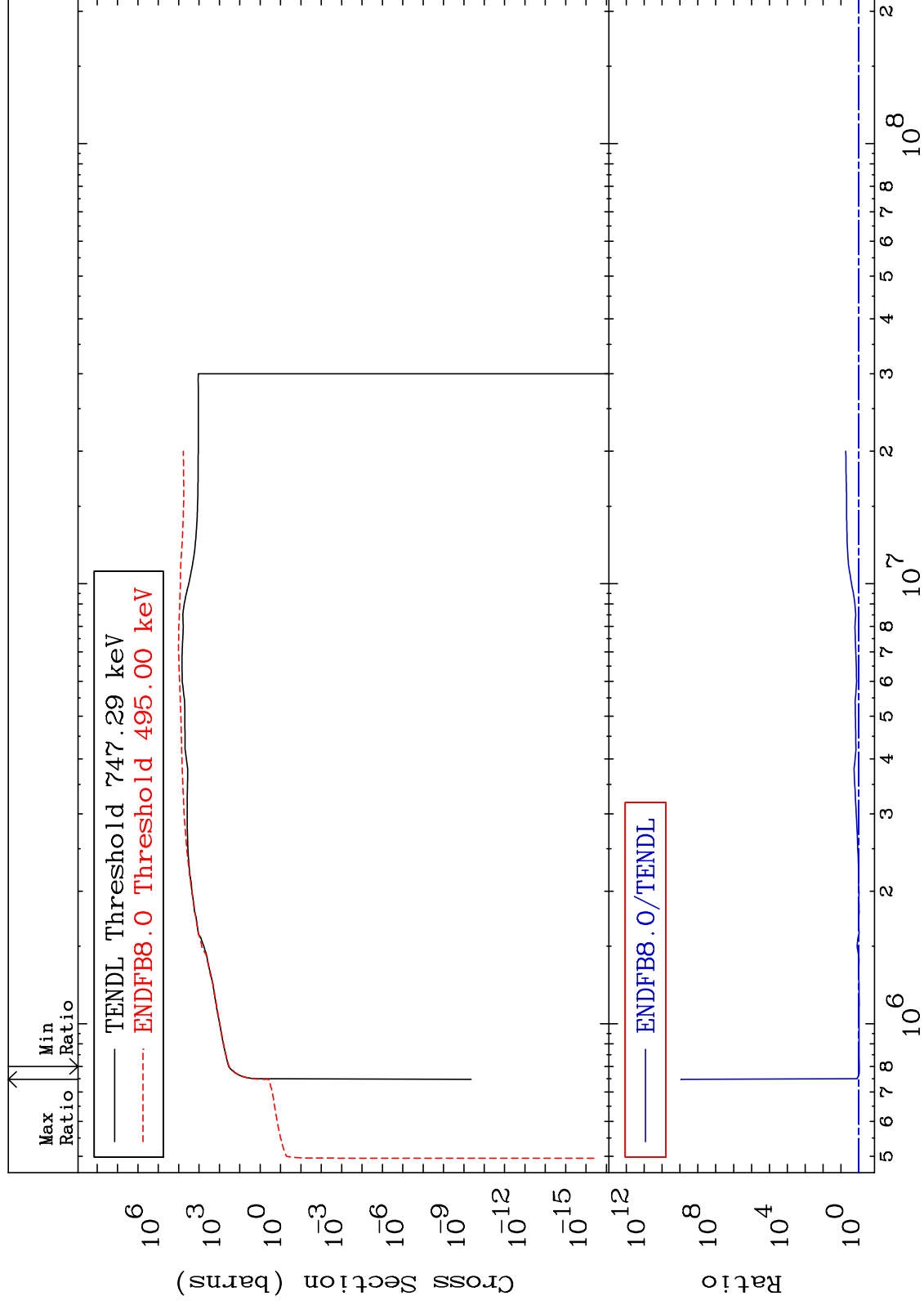
41

60-Nd-143

MAT 6028

Dpa inelastic (mt51-91)  
Cross Section

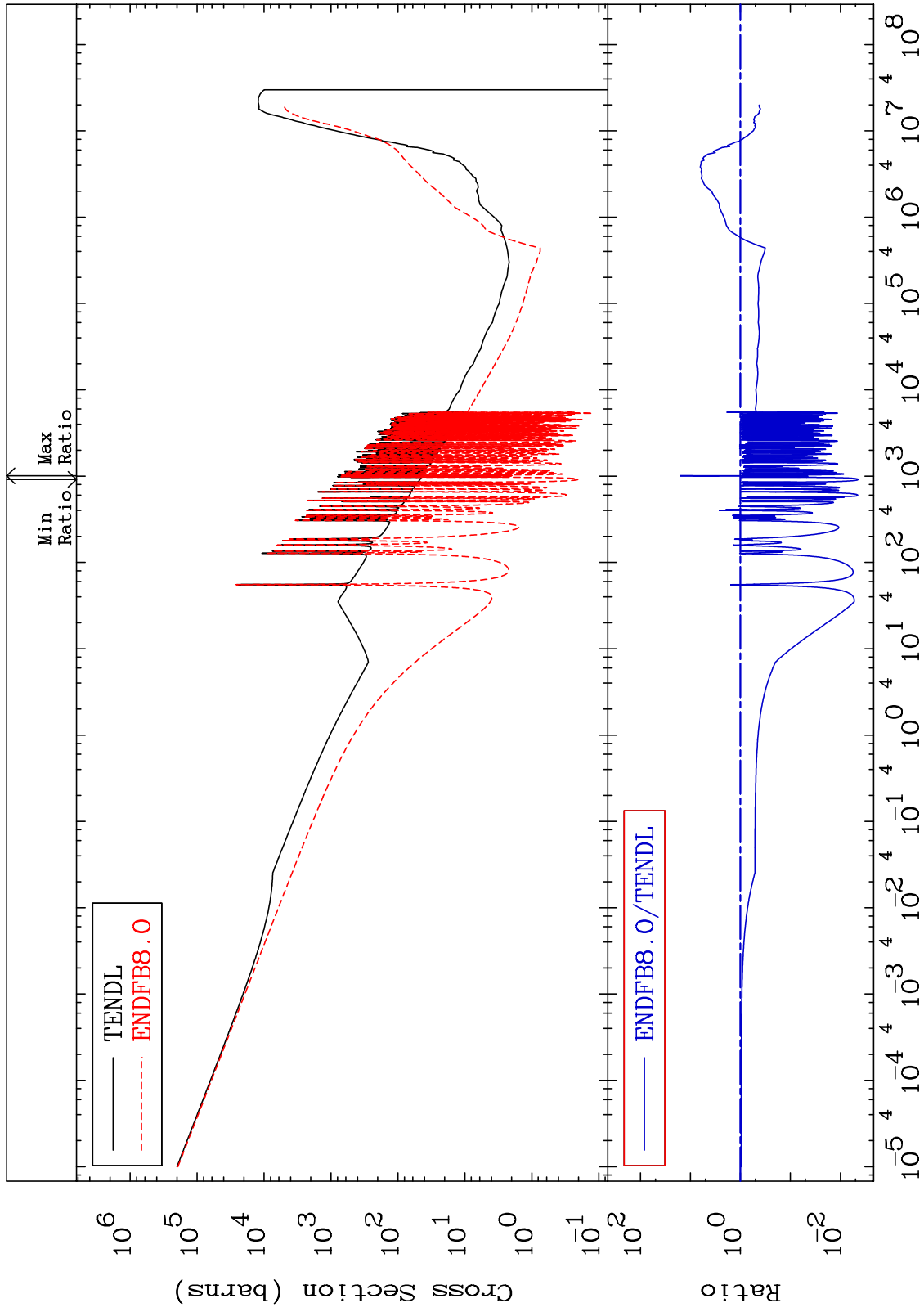
60-Nd-143  
-4.766 To 9999. %



MAT 6028

Dpa disappearance (mt102 -120)  
Cross Section

60-Nd-143  
-99.56 To 1520. %



43

Incident Energy (eV)

60-Nd-143