

Program Complot  
(Version 2018-1)

by

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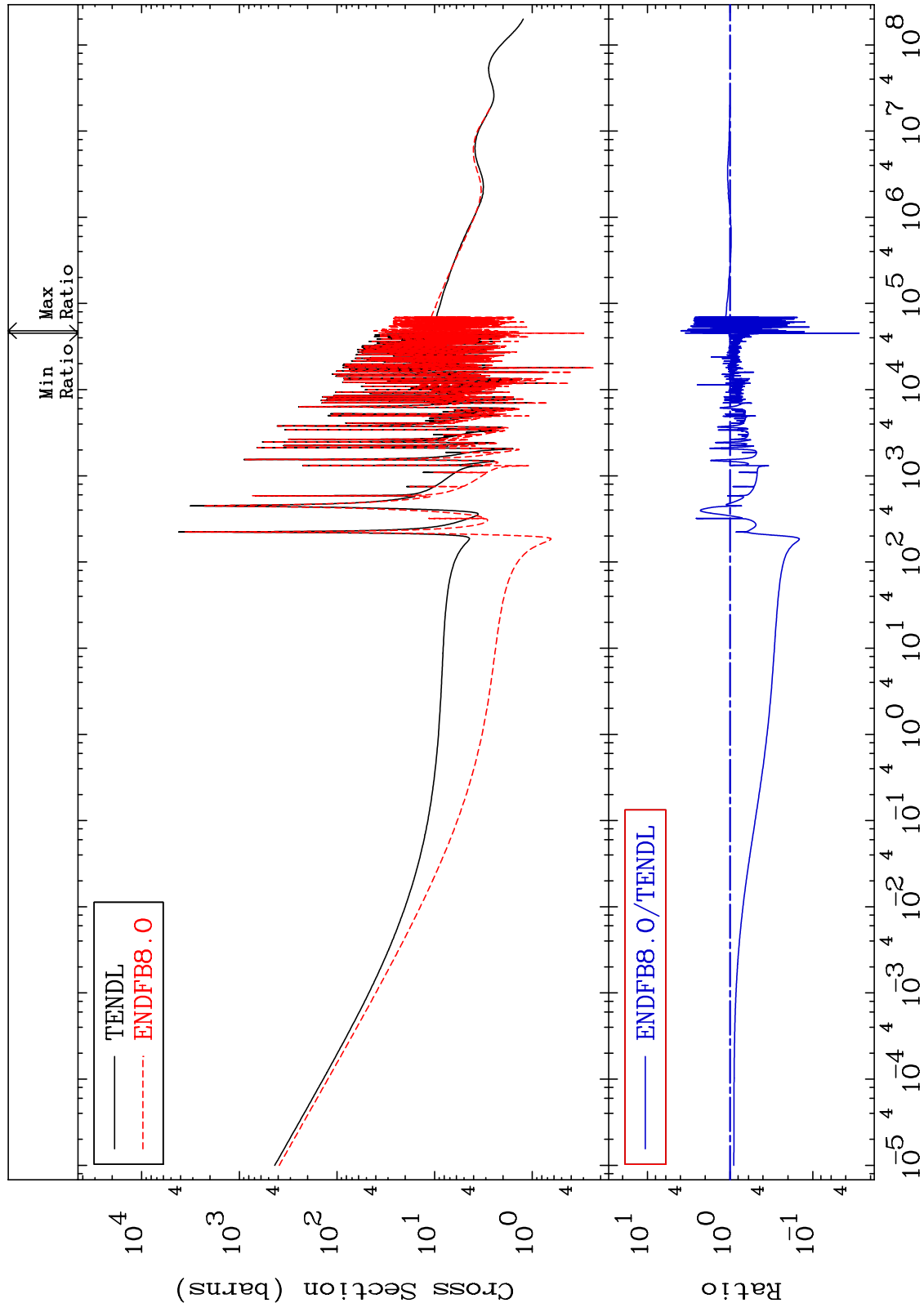
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E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 3034 30-Zn-67 -97.24 To 294.1 %

Total Cross Section



30-Zn-67

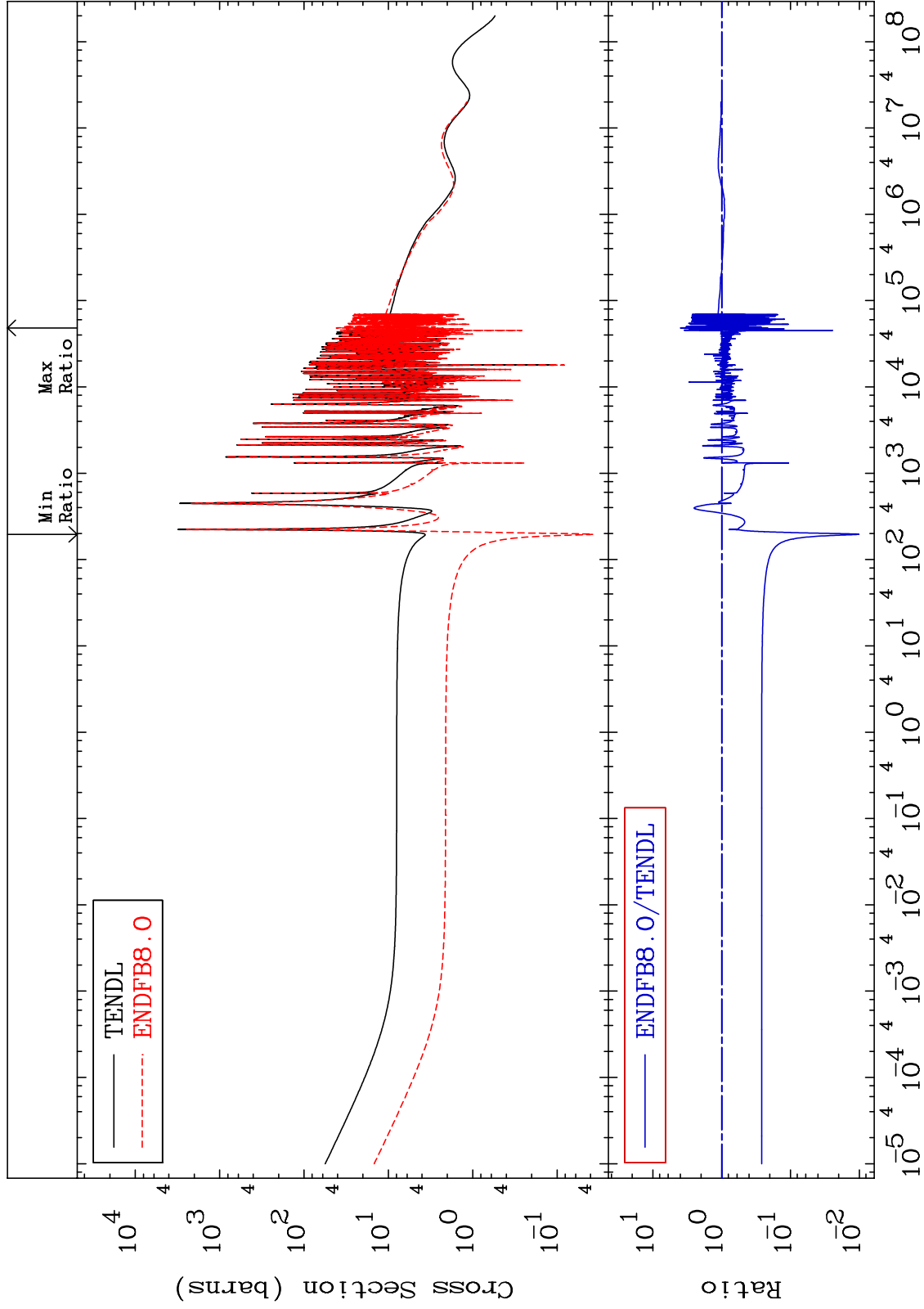
Incident Energy (eV)

1

MAT 3034

Elastic  
Cross Section

30-Zn-67  
-98.99 To 295.3 %

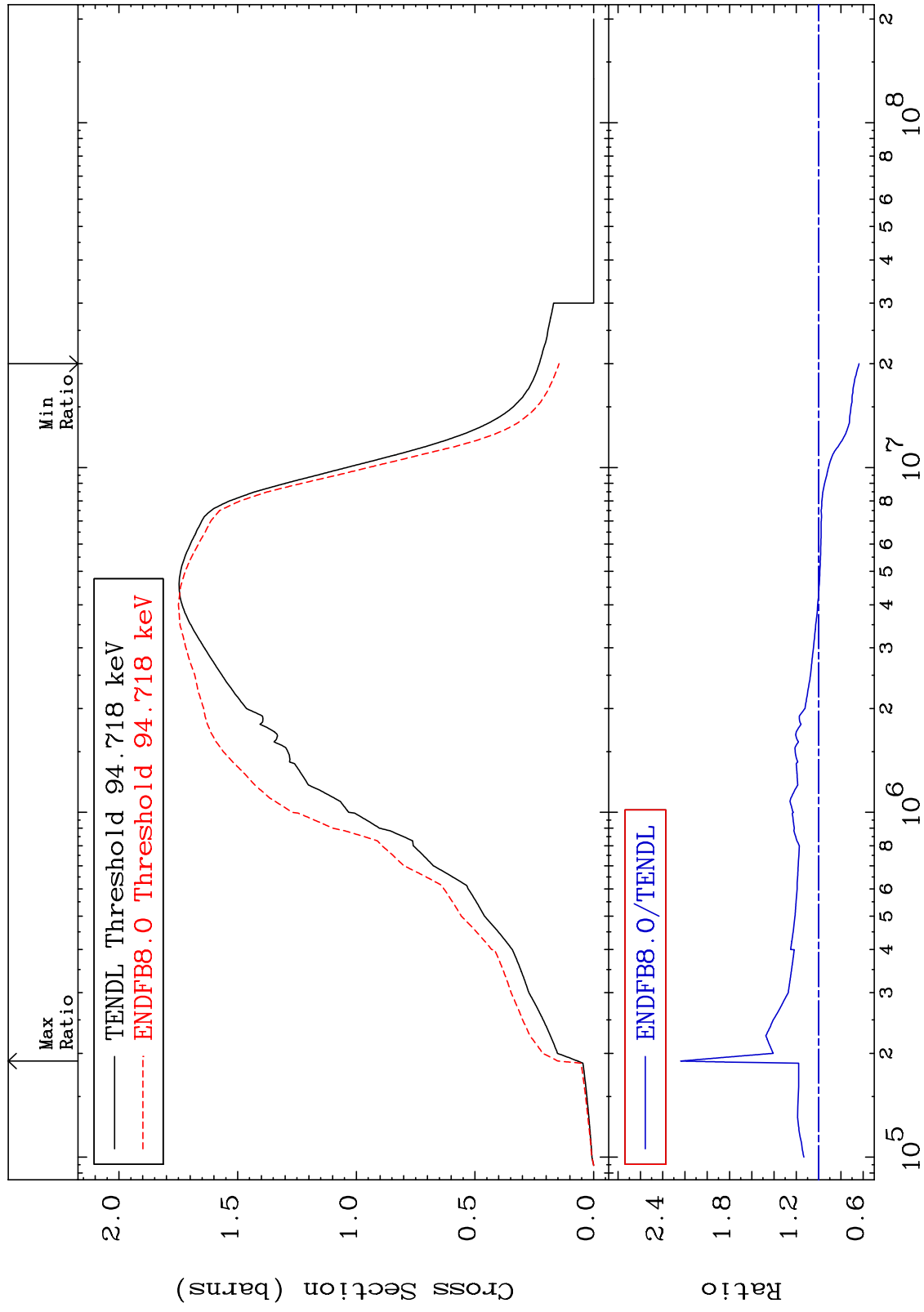


2

Incident Energy (eV)

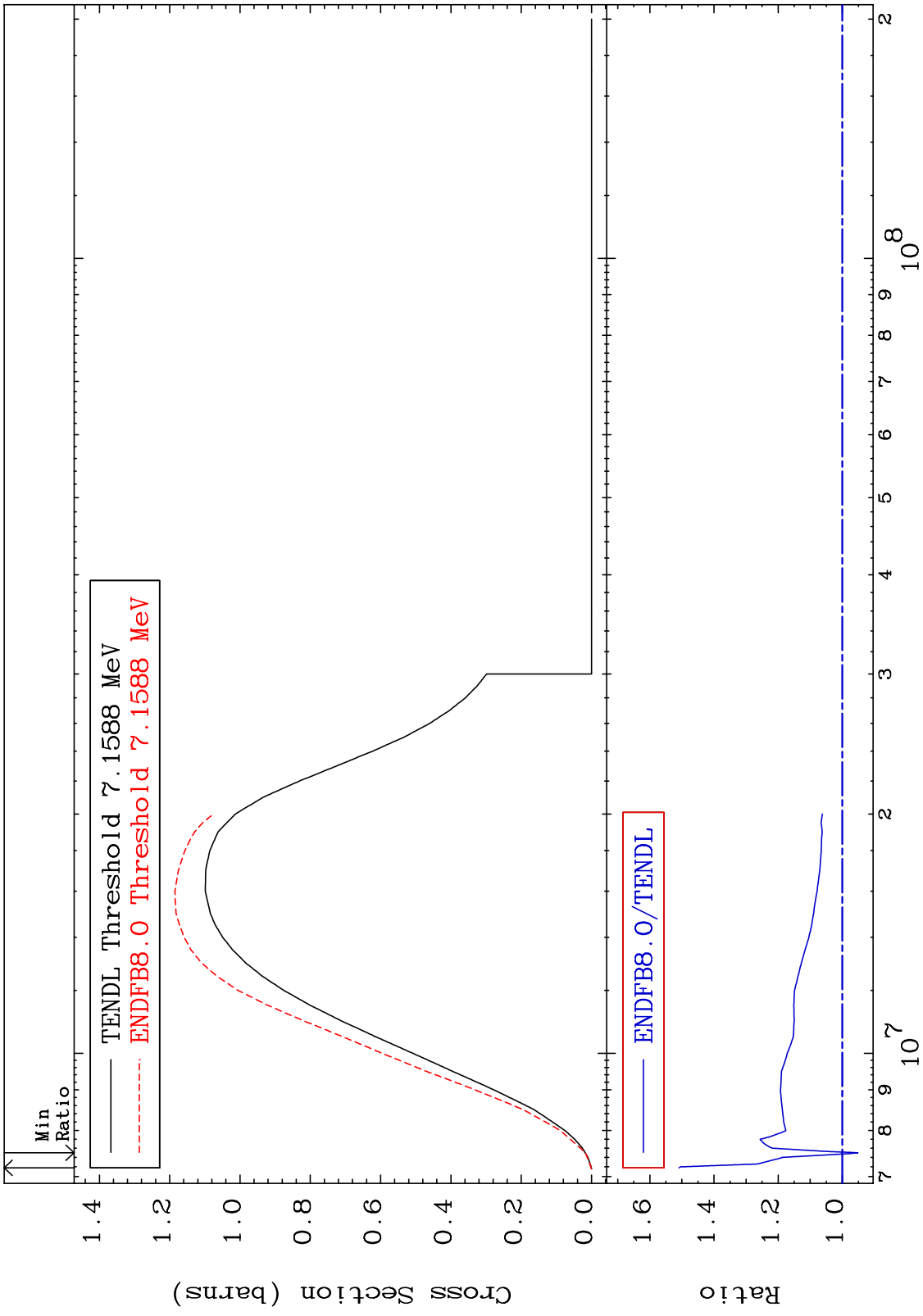
30-Zn-67

MAT 3034 Inelastic Cross Section 30-Zn-67 -36.29 To 123.7 %

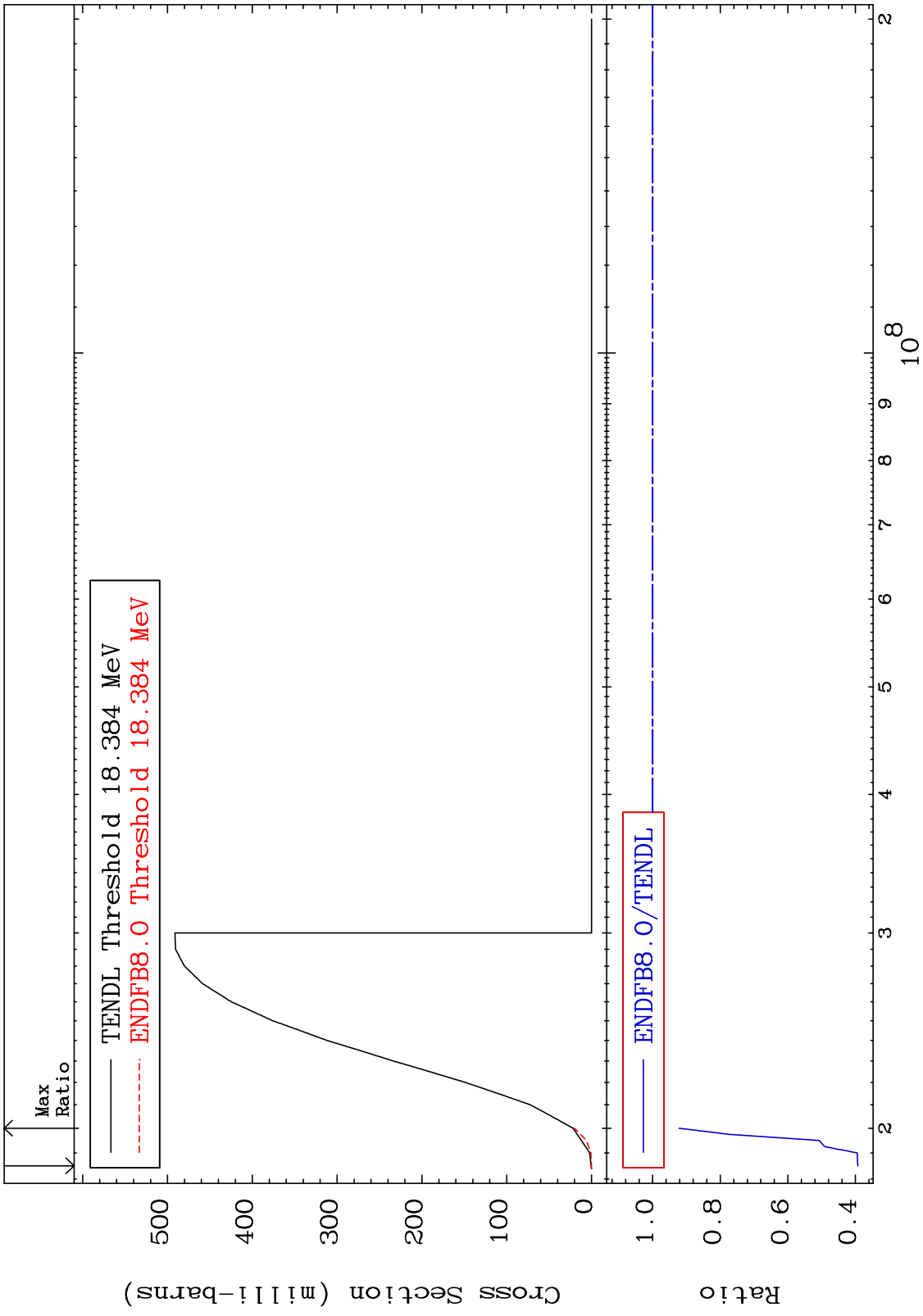


30-Zn-67

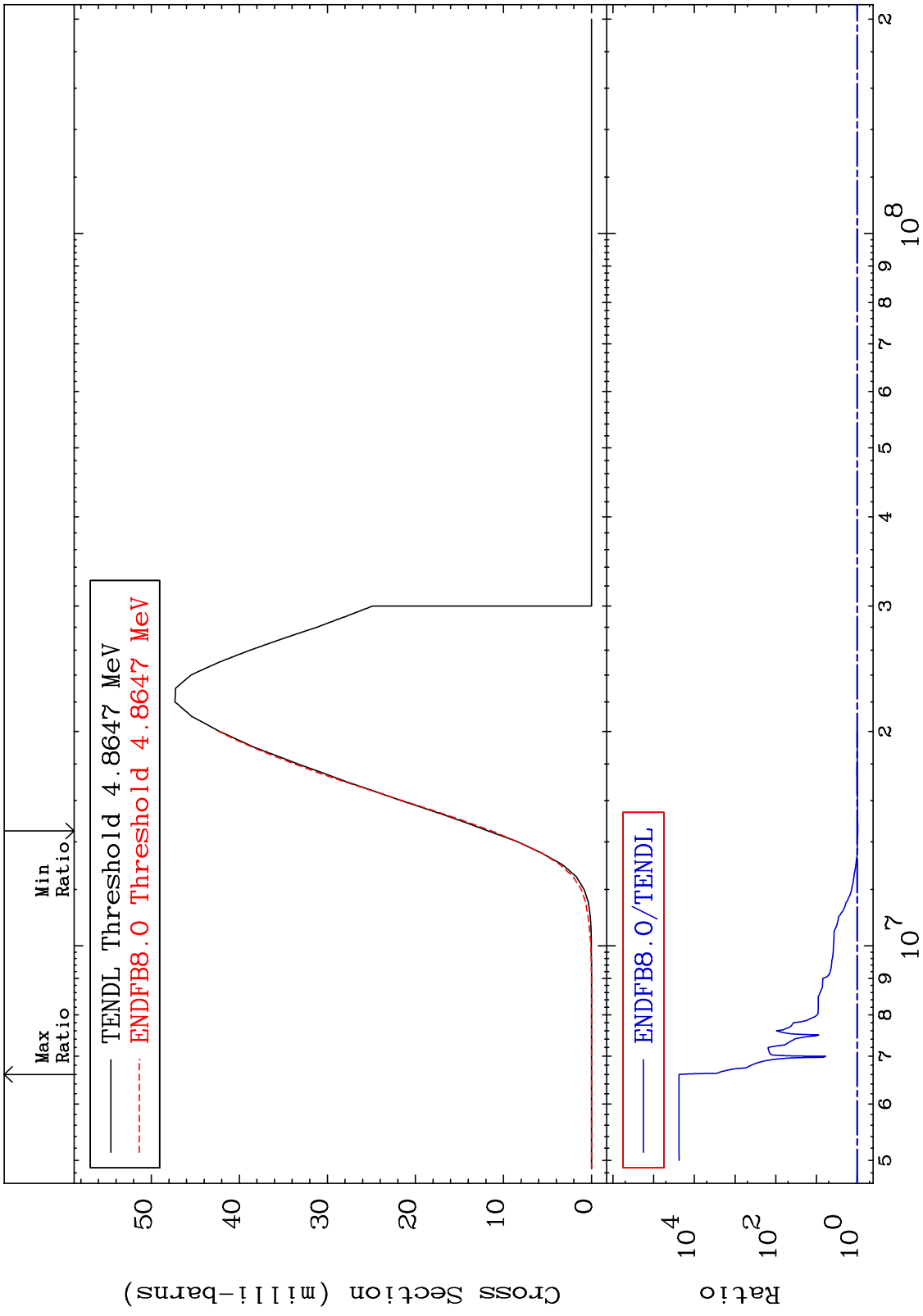
MAT 3034 (n,2n) Cross Section 30-Zn-67 -4.841 To 50.90 %



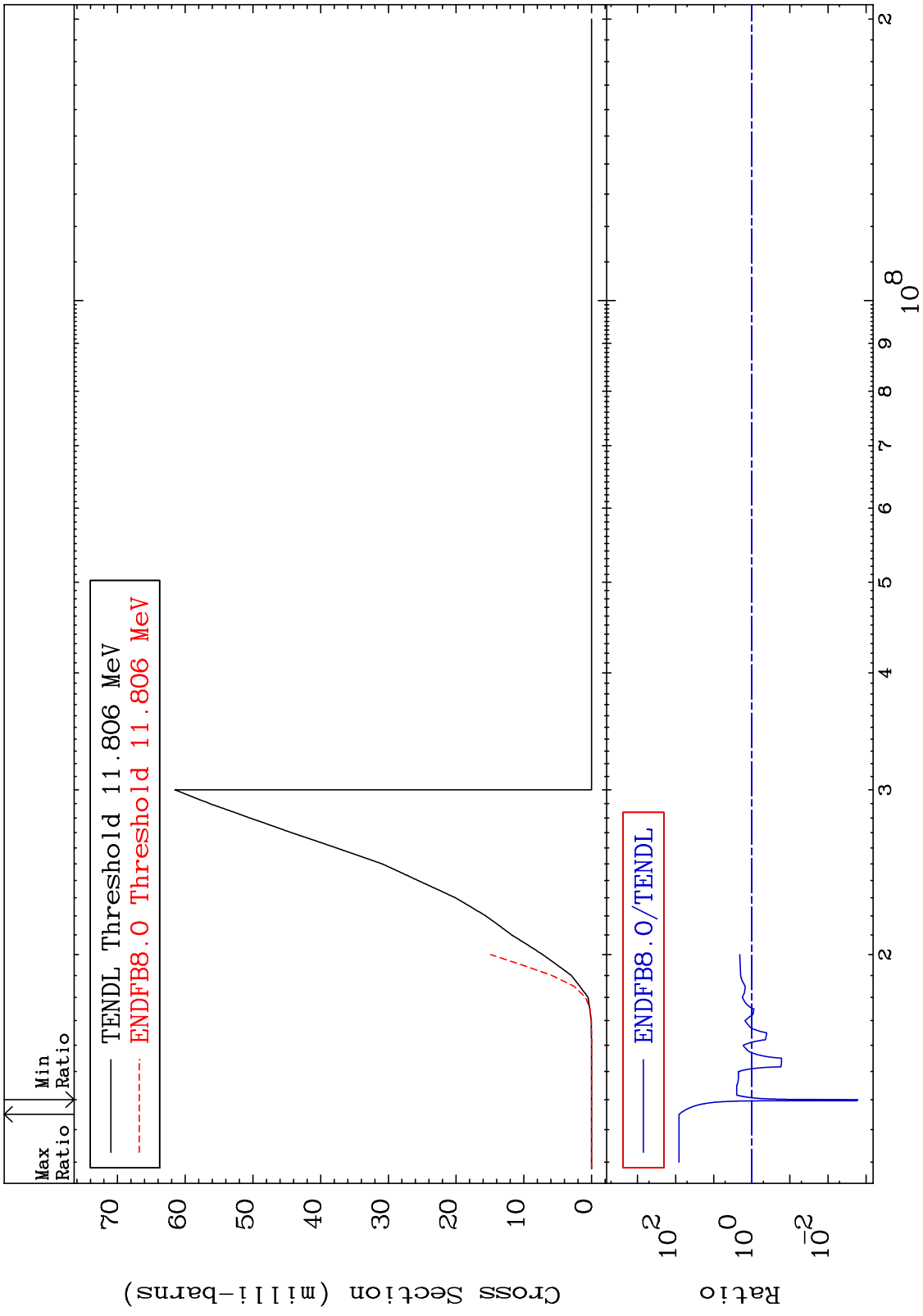
MAT 3034 (n,3n) Cross Section 30-Zn-67 -60.70 To -7.814%



MAT 3034  $(n, n') \alpha$  30-Zn-67  
 Cross Section -3.343 To 9999. %

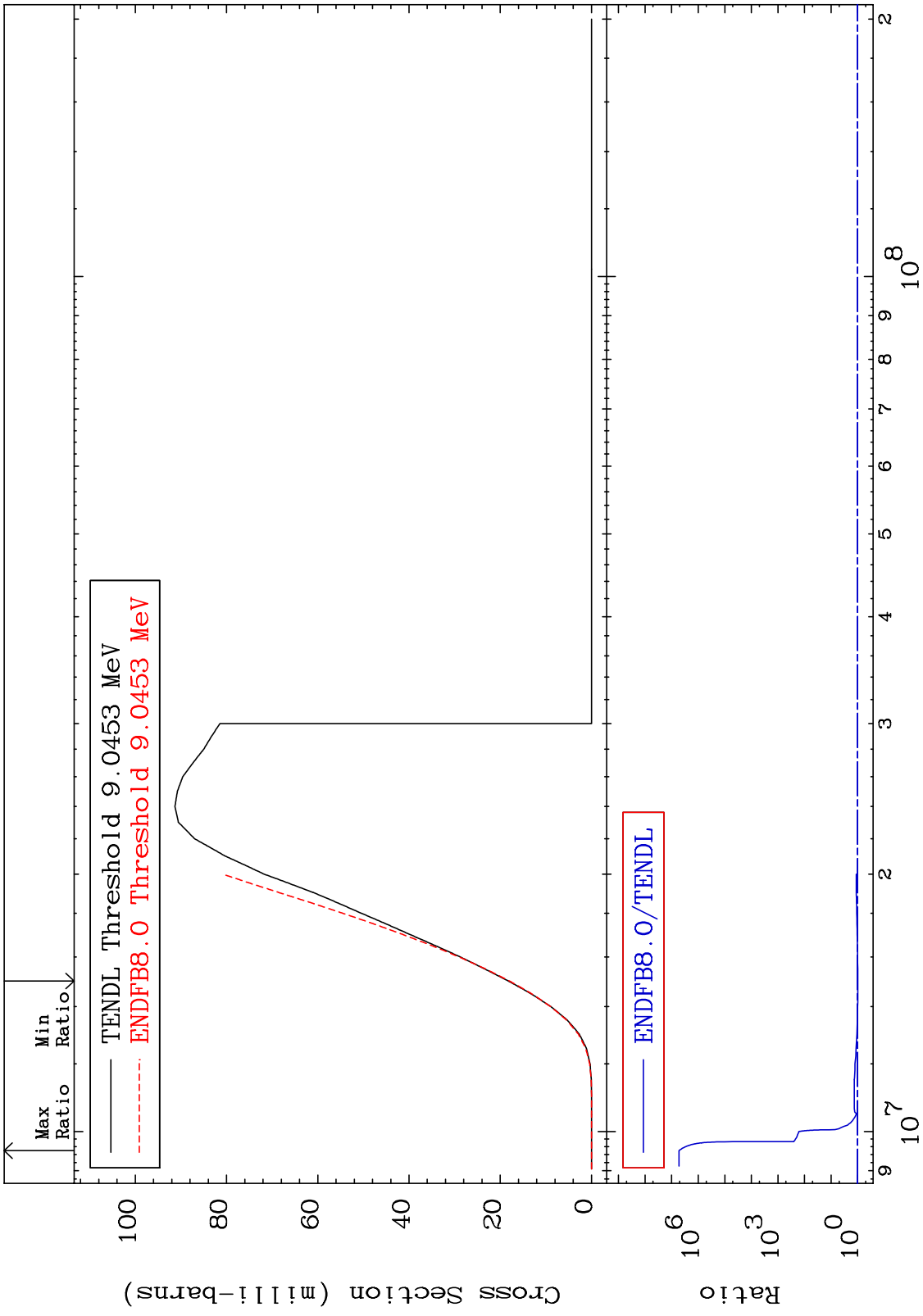


MAT 3034 (n,2n)  $\alpha$  30-Zn-67  
 Cross Section -99.84 To 8027. %





MAT 3034 (n,n') p 30-Zn-67  
Cross Section -1.369 To 9999. %

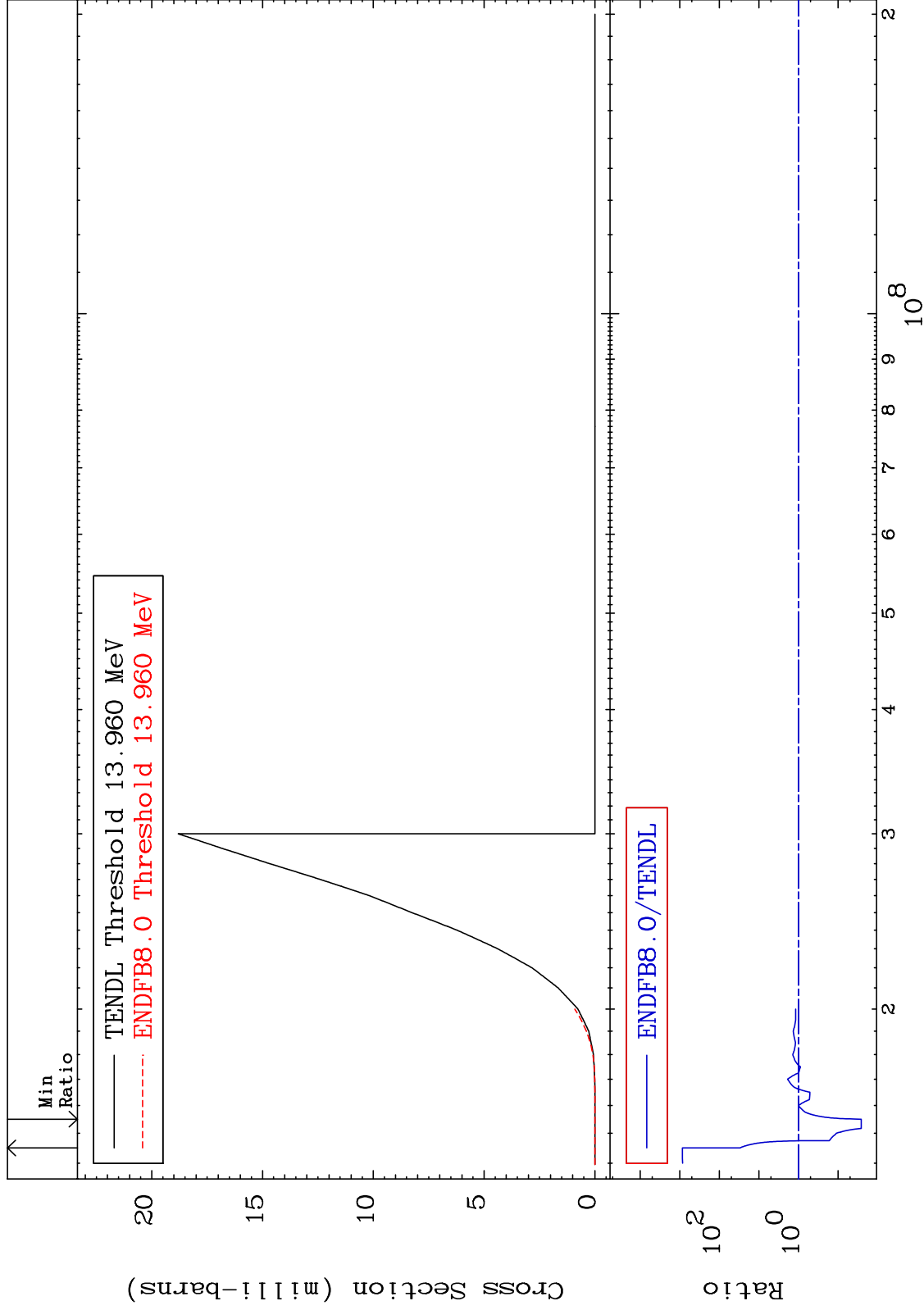


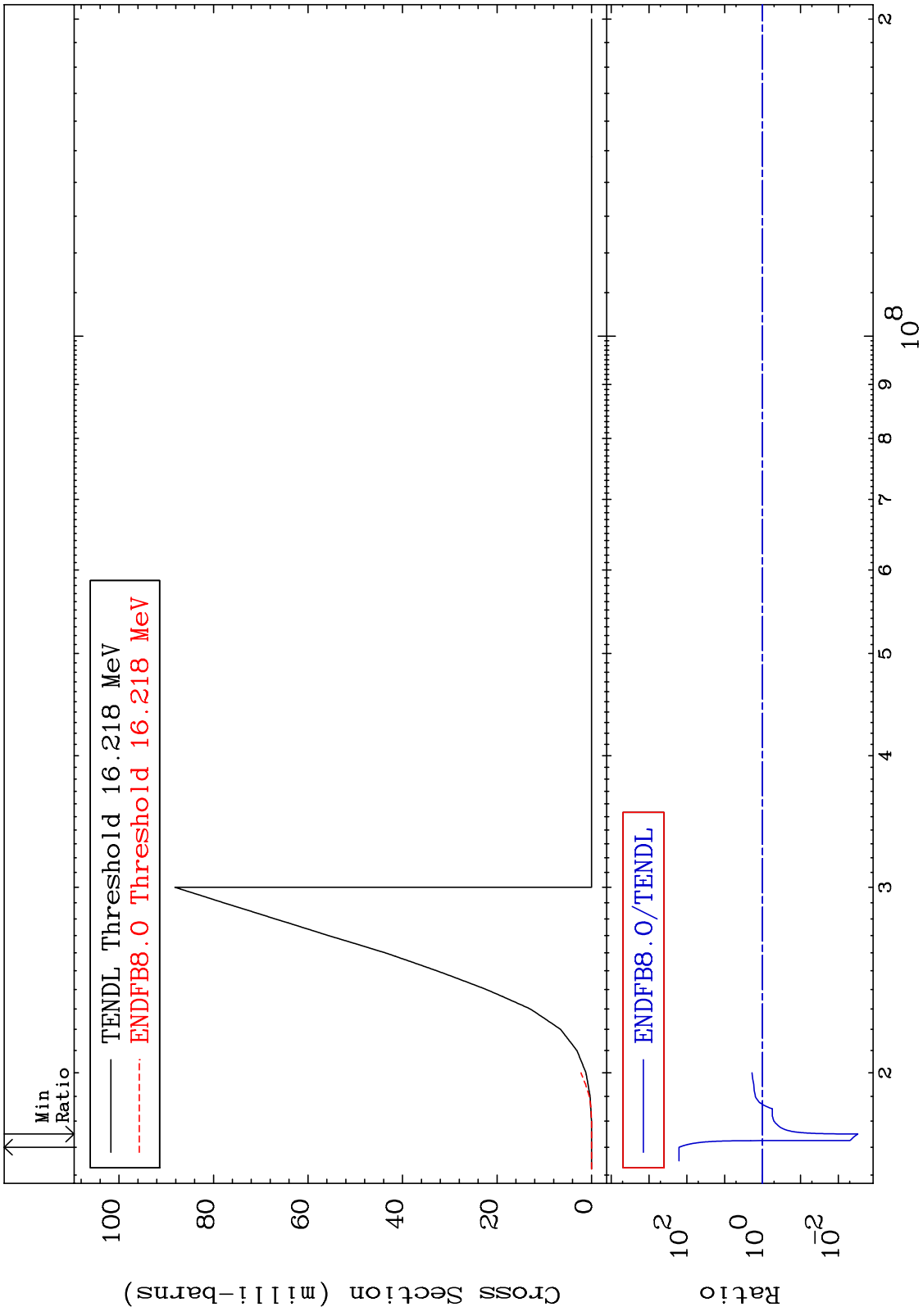
30-Zn-67 Incident Energy (eV)

MAT 3034

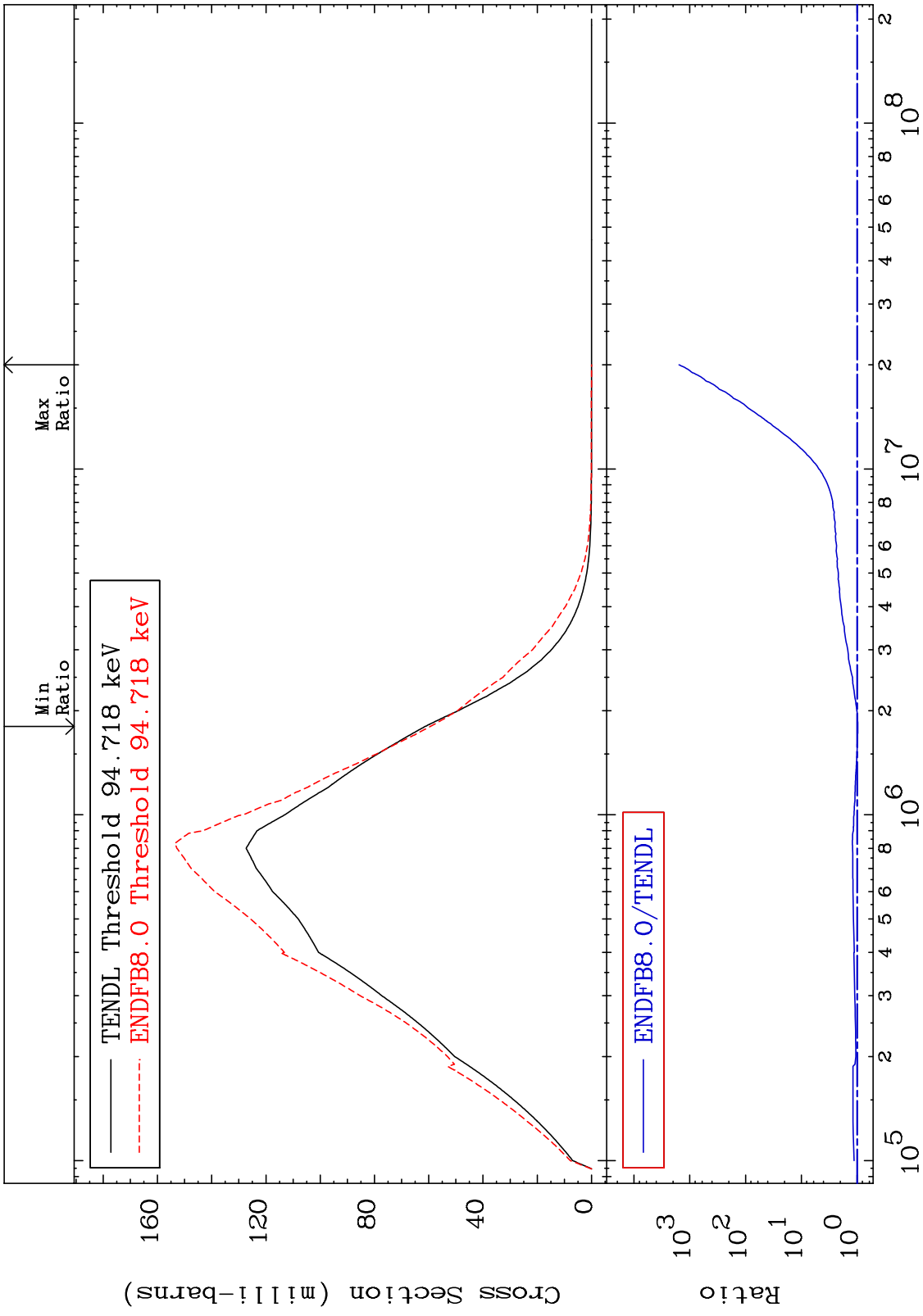
(n,n') d  
Cross Section

30-Zn-67  
-97.40 To 9999. %



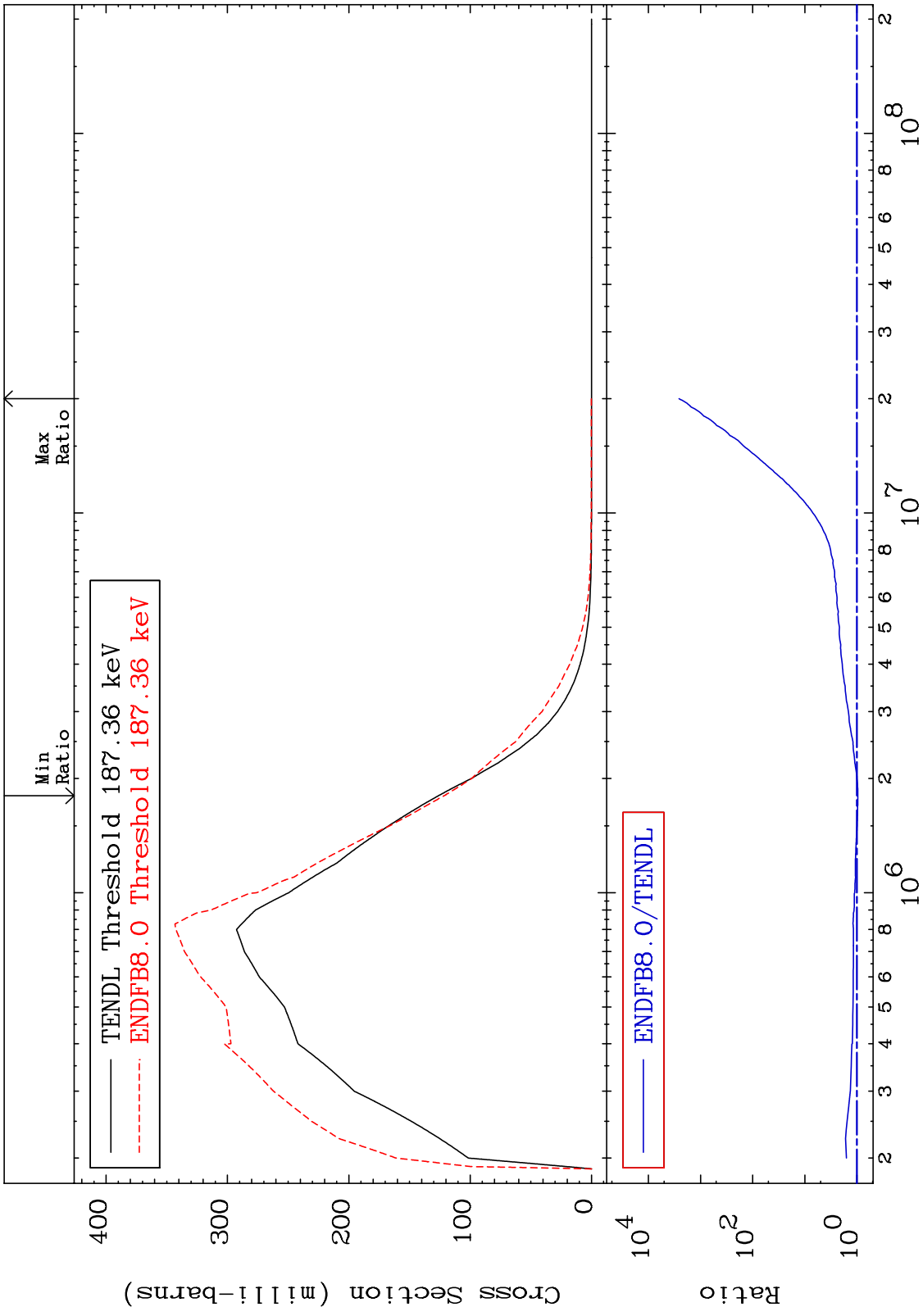


MAT 3034 MT= 51 (n,n') Level Cross Section -3.139 To 9999. % 30-Zn-67

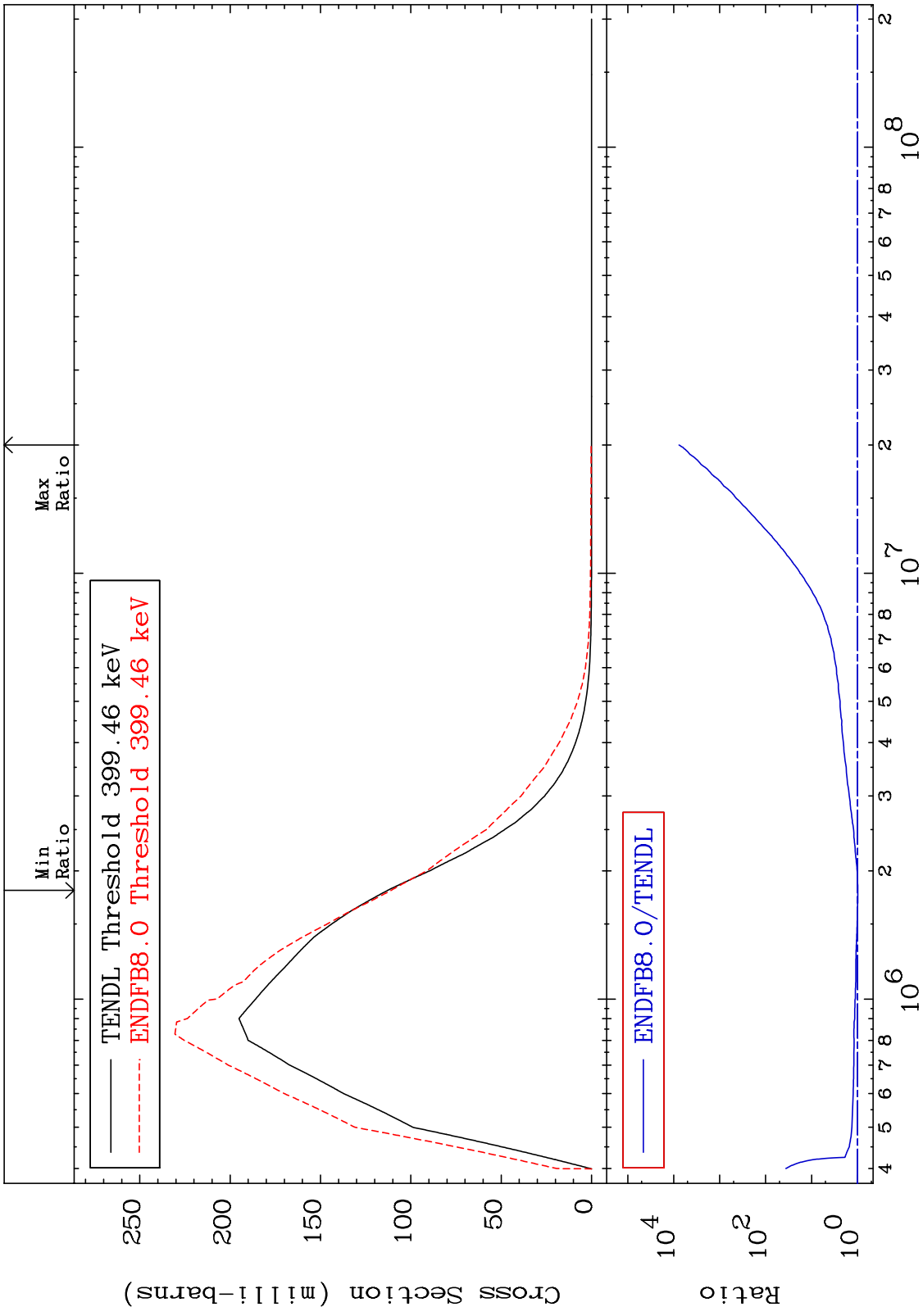


11 Incident Energy (eV) 30-Zn-67

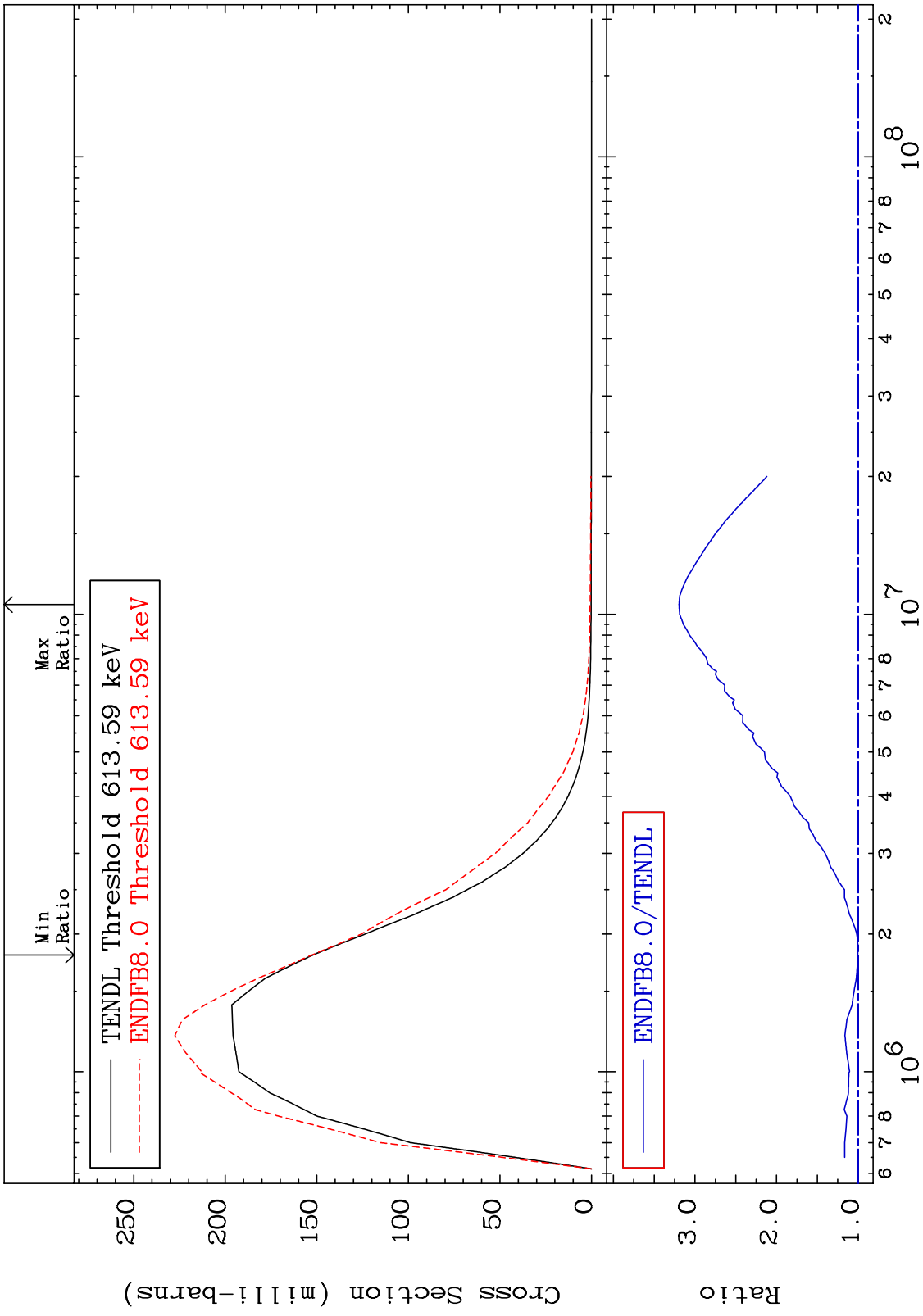
MAT 3034 MT= 52 (n,n') Level Cross Section -3.710 To 9999. % 30-Zn-67



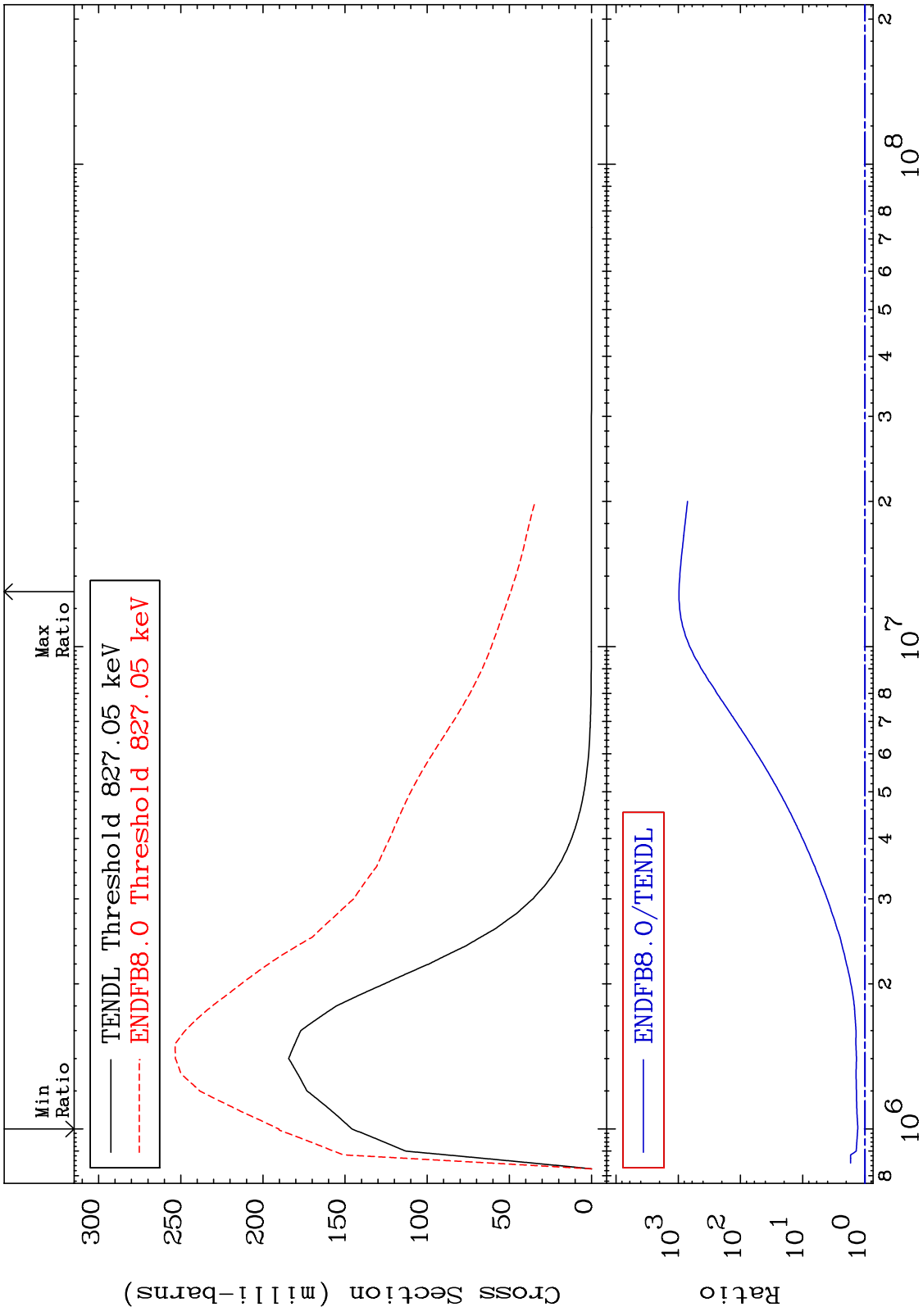
MAT 3034 MT= 53 (n,n') Level Cross Section -1.712 To 9999. % 30-Zn-67



MAT 3034 MT= 54 (n,n') Level Cross Section 0.407 To 219.5 % 30-Zn-67



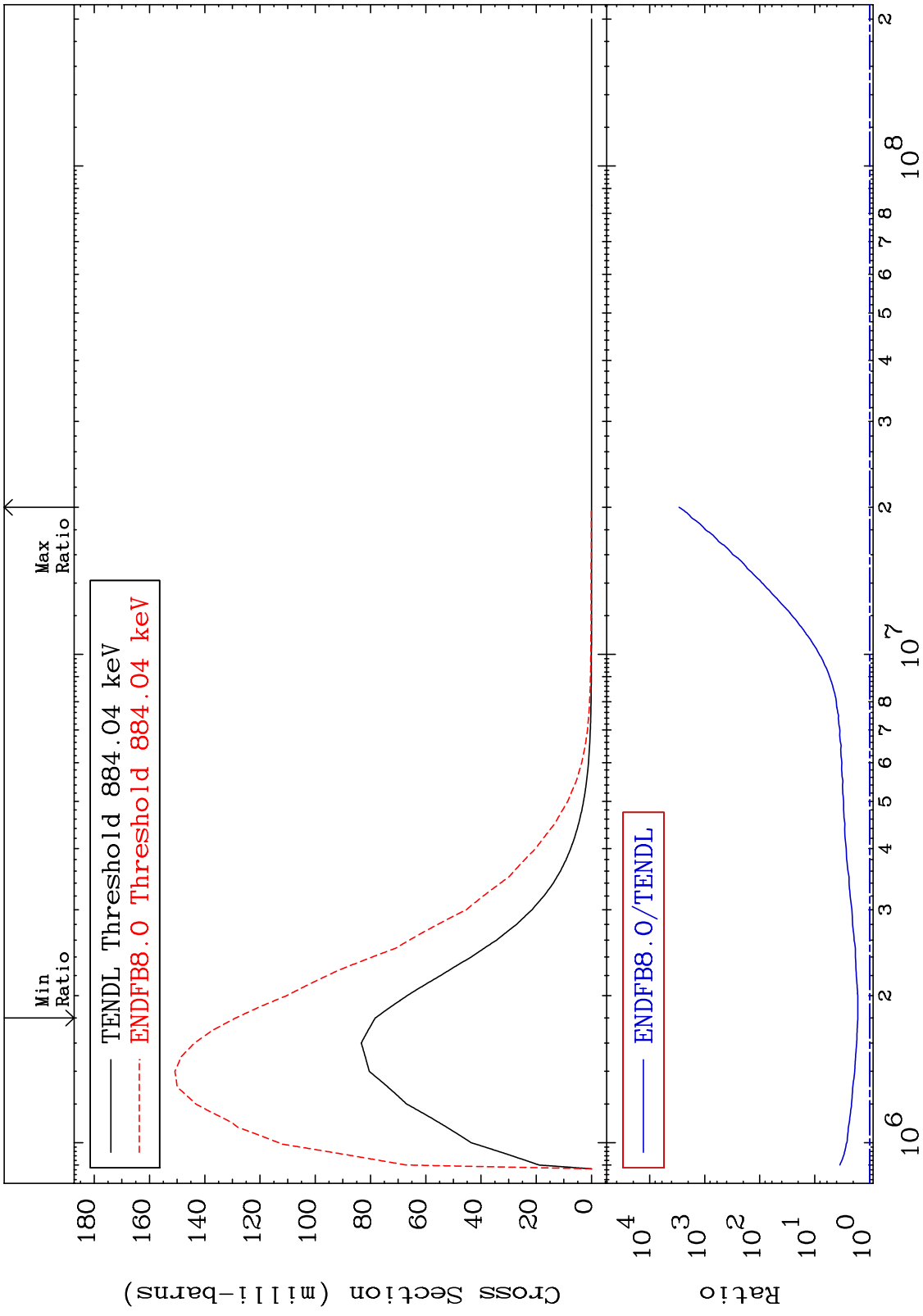
MAT 3034 MT= 55 (n,n') Level Cross Section 30.56 To 9999. % 30-Zn-67



15 Incident Energy (eV) 30-Zn-67



MAT 3034      MT= 56 (n,n') Level Cross Section      30-Zn-67  
 64.53 To 9999. %

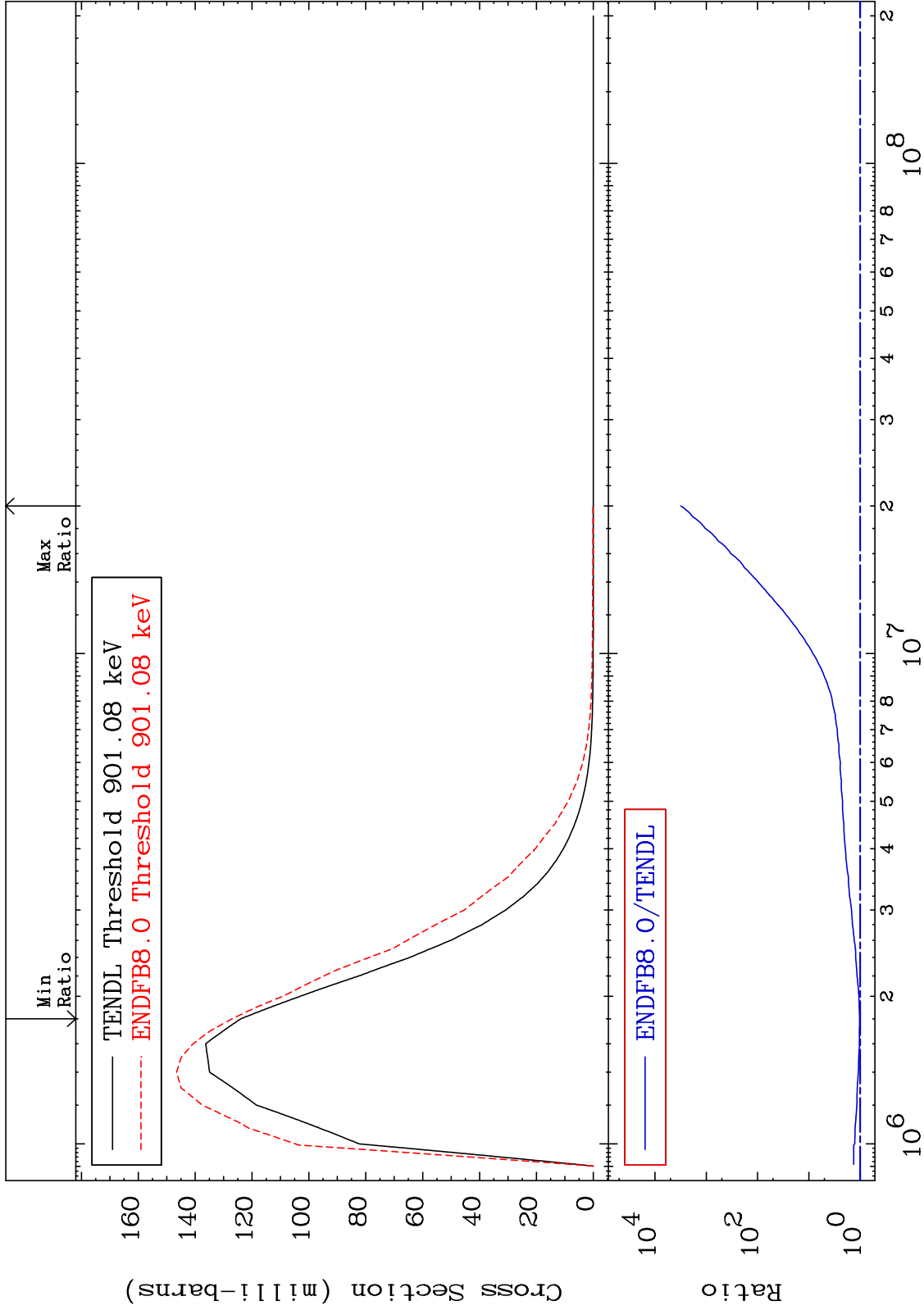


16      Incident Energy (eV)      30-Zn-67

MAT 3034

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

30-Zn-67  
2.424 To 9999. %

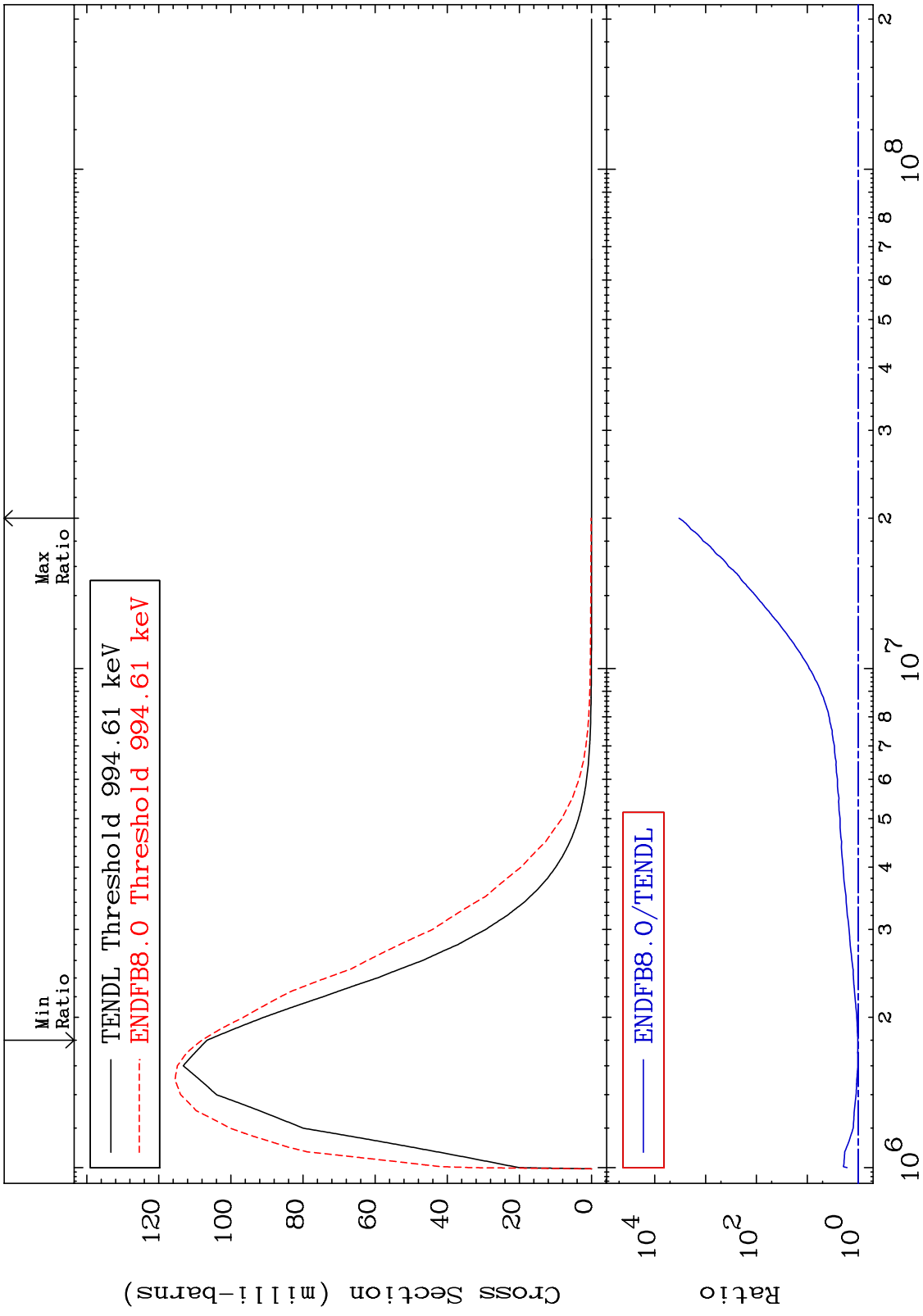


17

Incident Energy (eV)

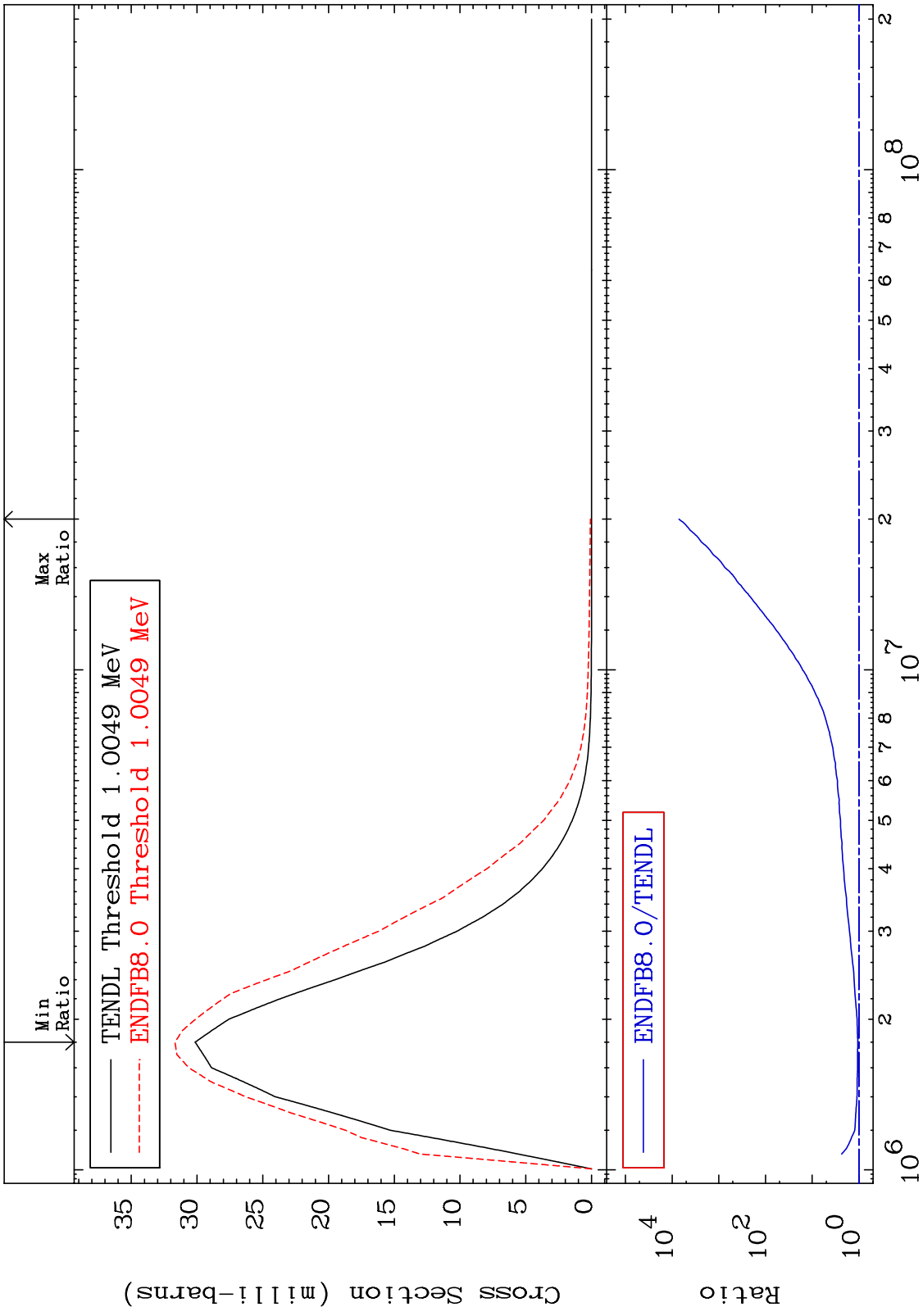
30-Zn-67

MAT 3034 MT= 58 (n,n') Level Cross Section 1.333 To 9999. % 30-Zn-67



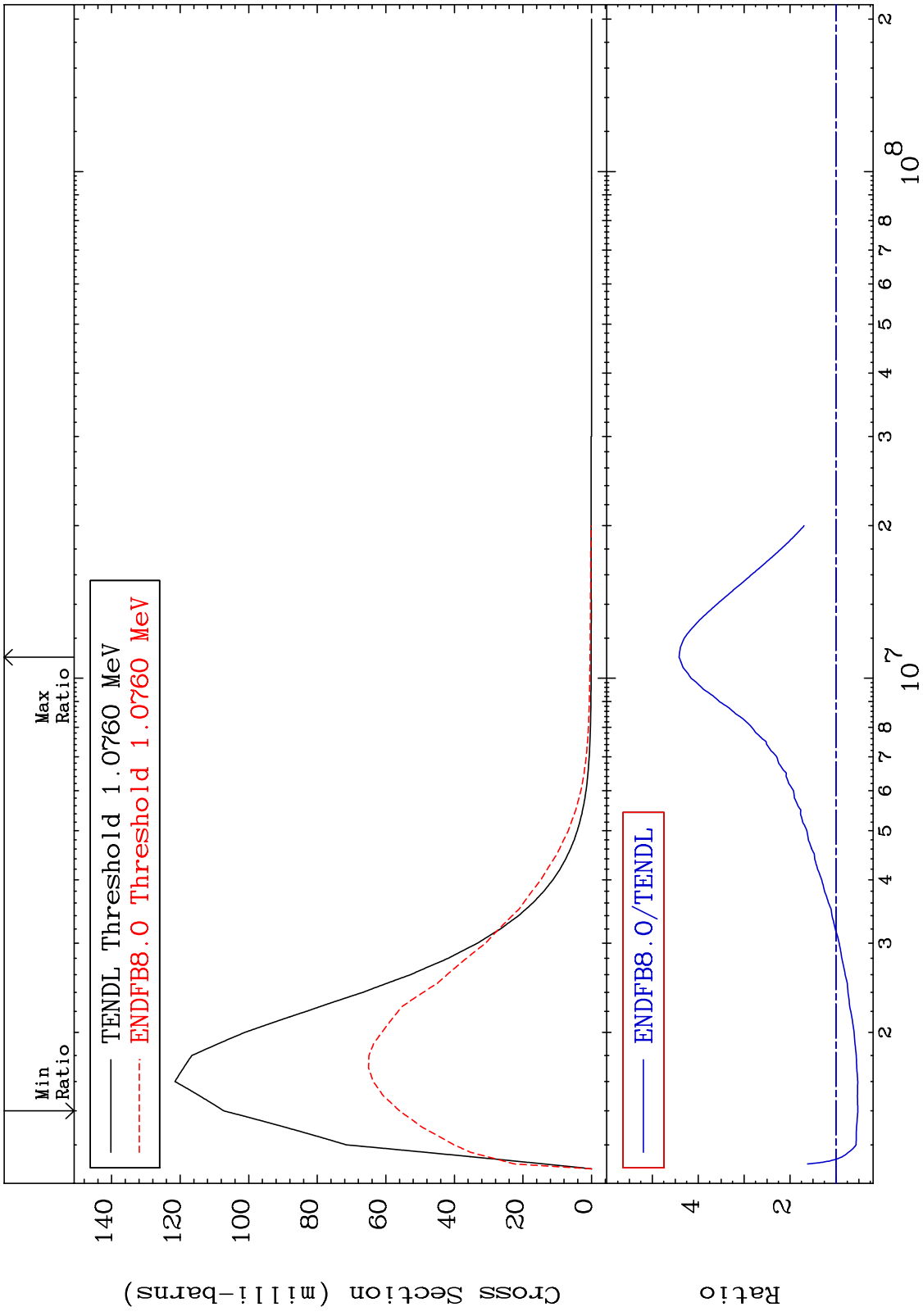
18 Incident Energy (eV) 30-Zn-67

MAT 3034 MT= 59 (n,n') Level Cross Section 30-Zn-67 To 9999. %

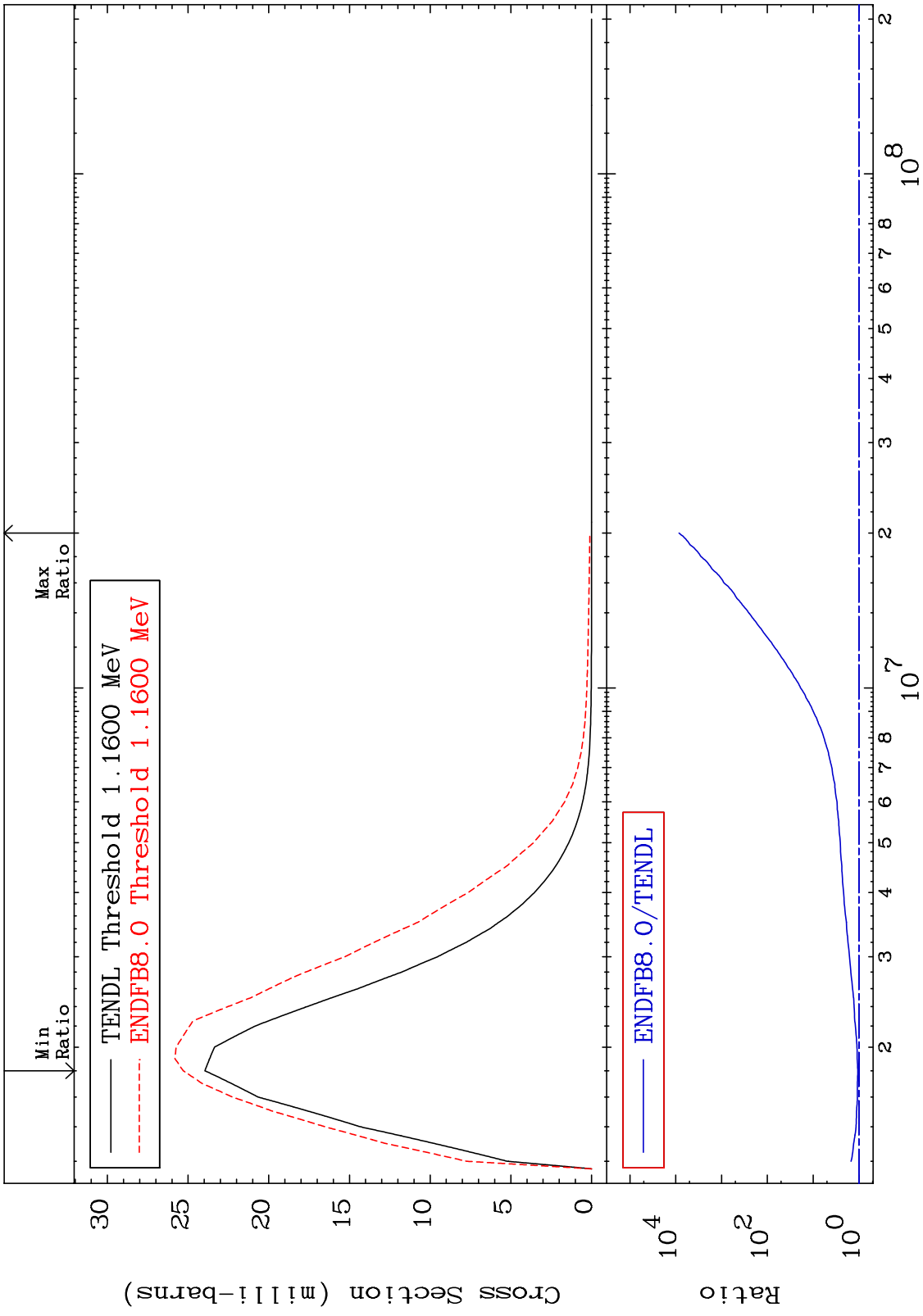


19 Incident Energy (eV) 30-Zn-67

MAT 3034 MT= 60 (n,n') Level Cross Section 30-Zn-67  
 -47.78 To 341.7 %



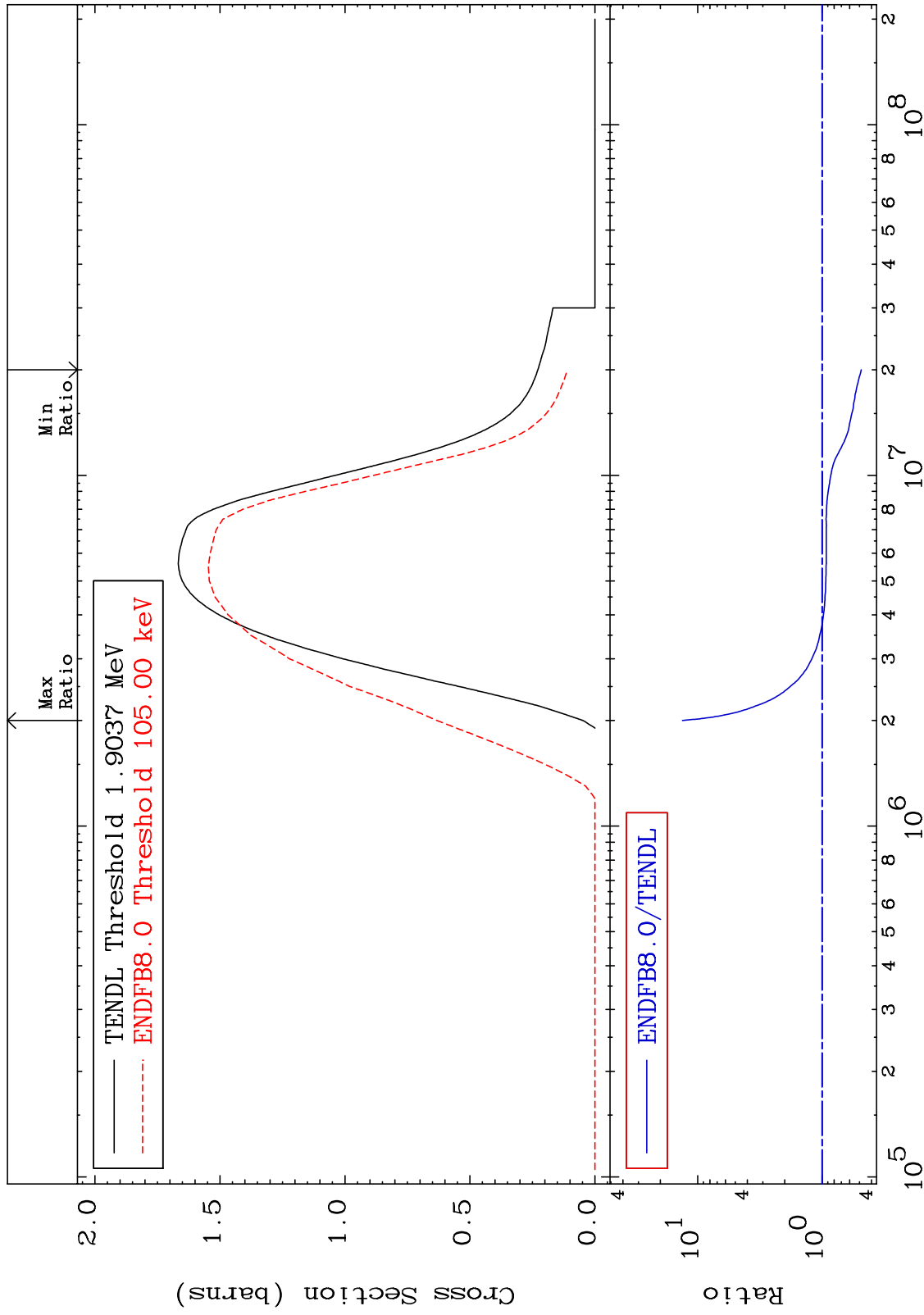
MAT 3034 MT= 61 (n,n') Level Cross Section 5.631 To 9999. % 30-Zn-67



MAT 3034

(n, n') Continuum  
Cross Section

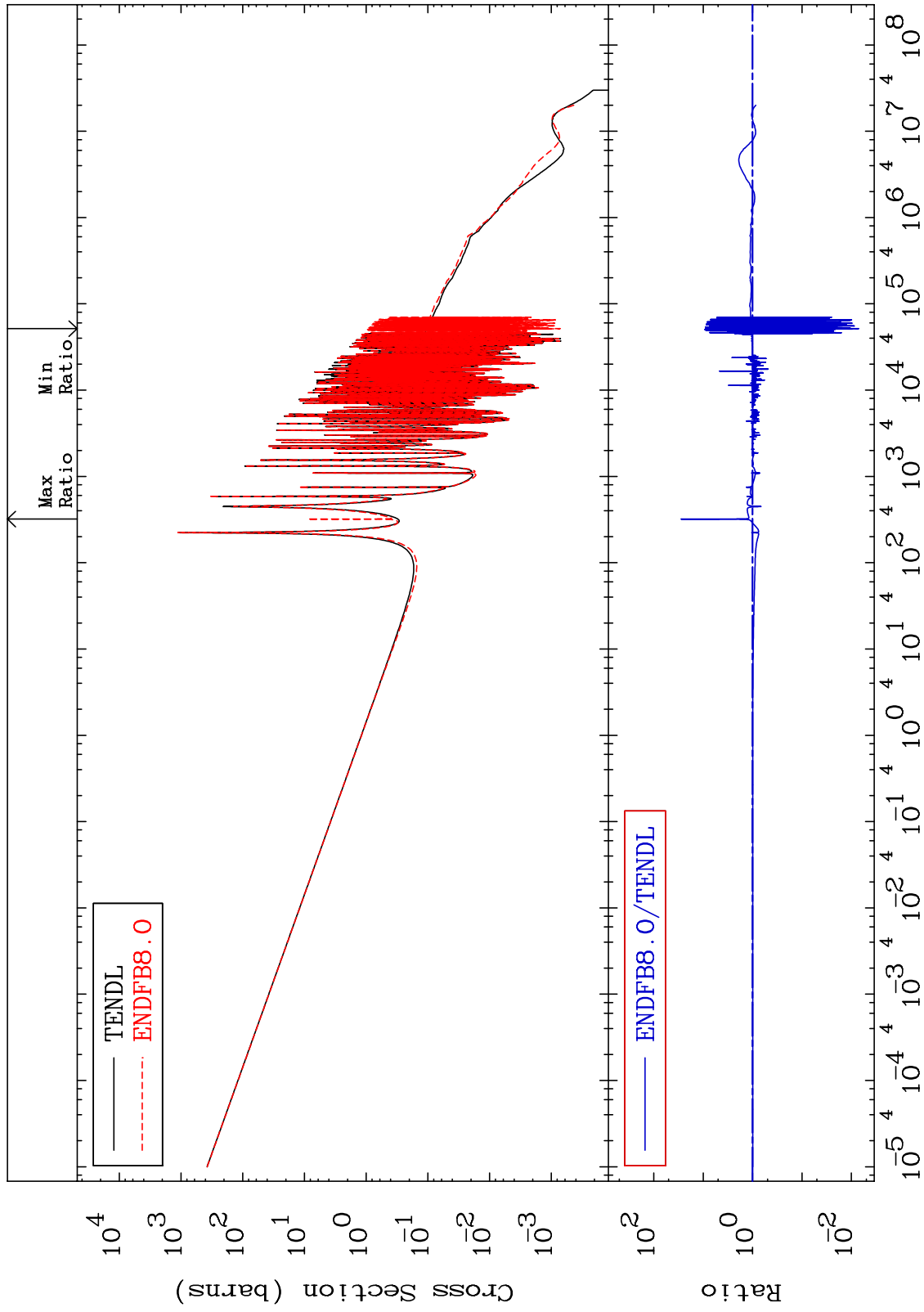
30-Zn-67  
-51.61 To 1229. %



MAT 3034

(n,  $\gamma$ )  
Cross Section

30-Zn-67  
-99.30 To 2764. %





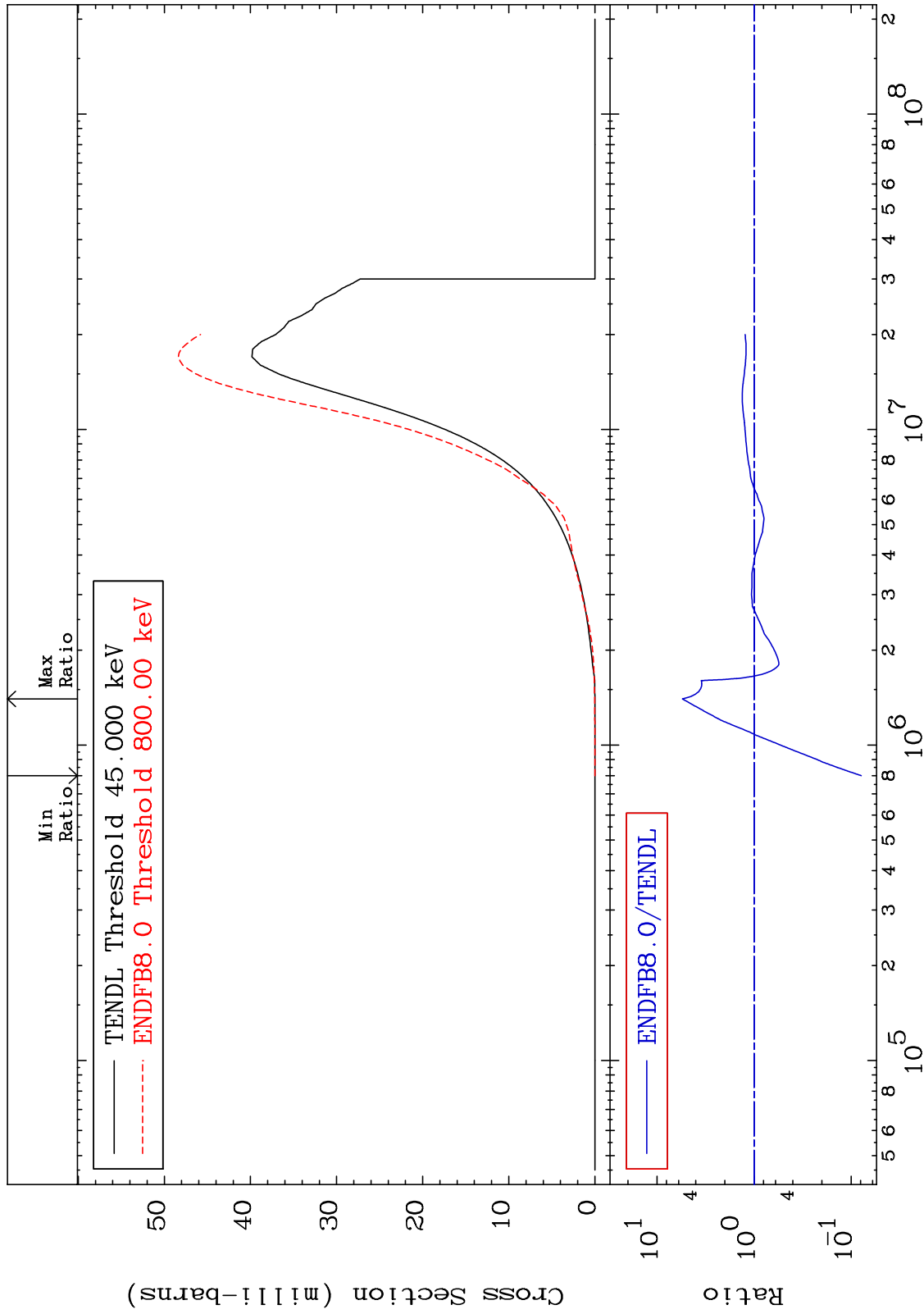
MAT 3034

(n,p)

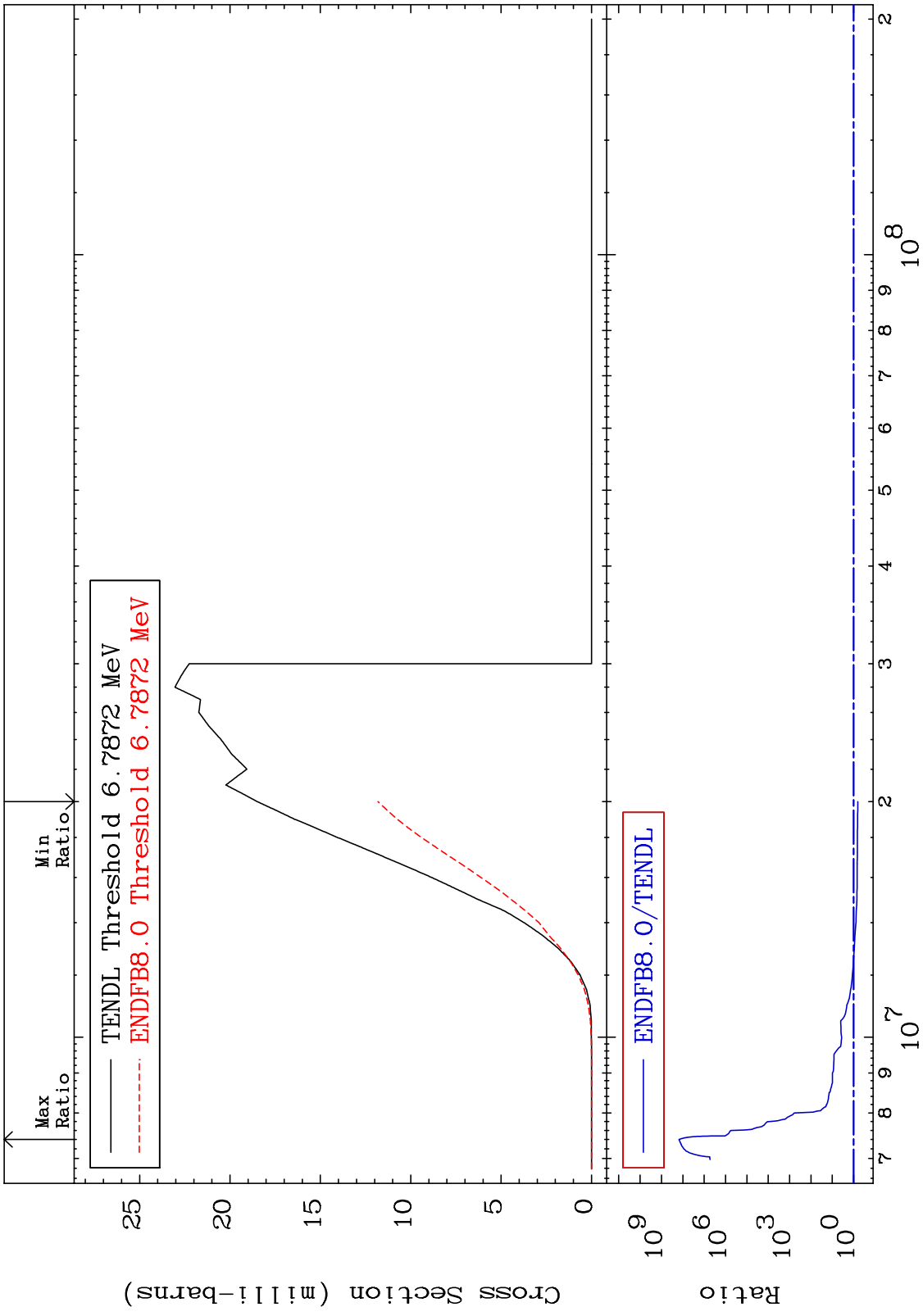
30-Zn-67

Cross Section

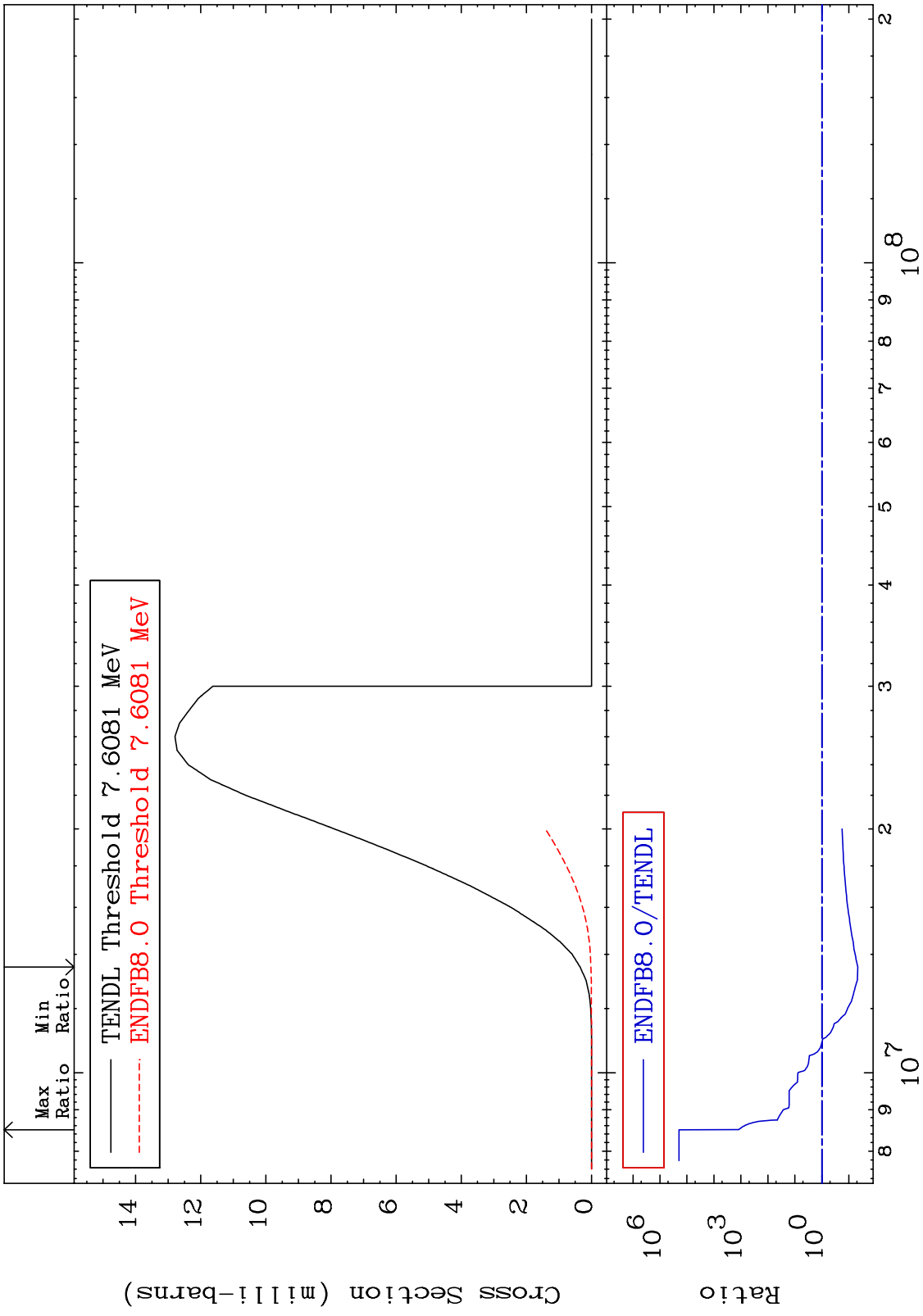
-92.15 To 447.4 %



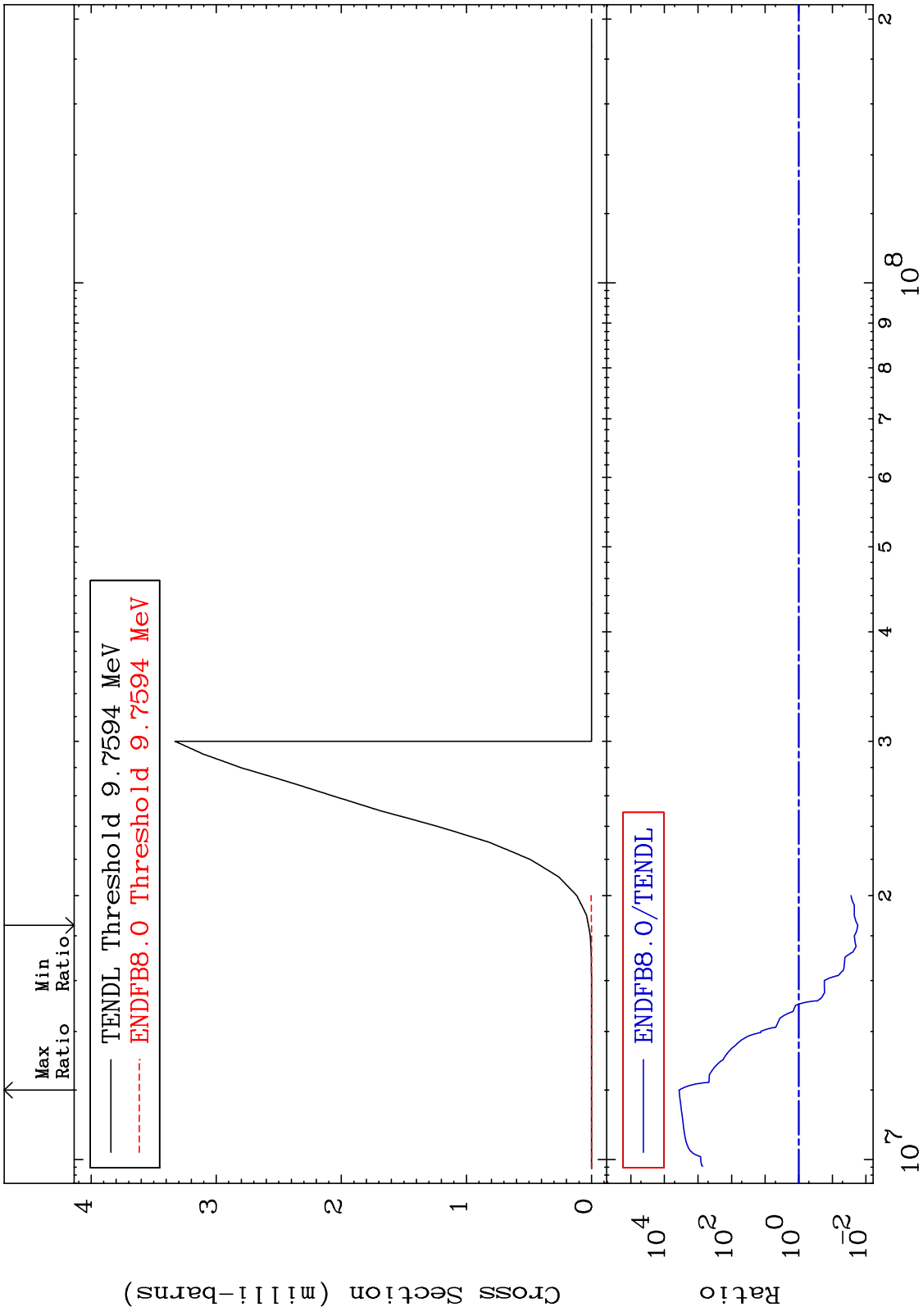
MAT 3034 (n,d) Cross Section 30-Zn-67  
 -36.15 To 9999. %



MAT 3034 (n,t) 30-Zn-67  
 Cross Section -95.34 To 9999. %



MAT 3034 (n, He-3) 30-Zn-67  
 Cross Section -98.26 To 9999. %



Incident Energy (eV) 30-Zn-67

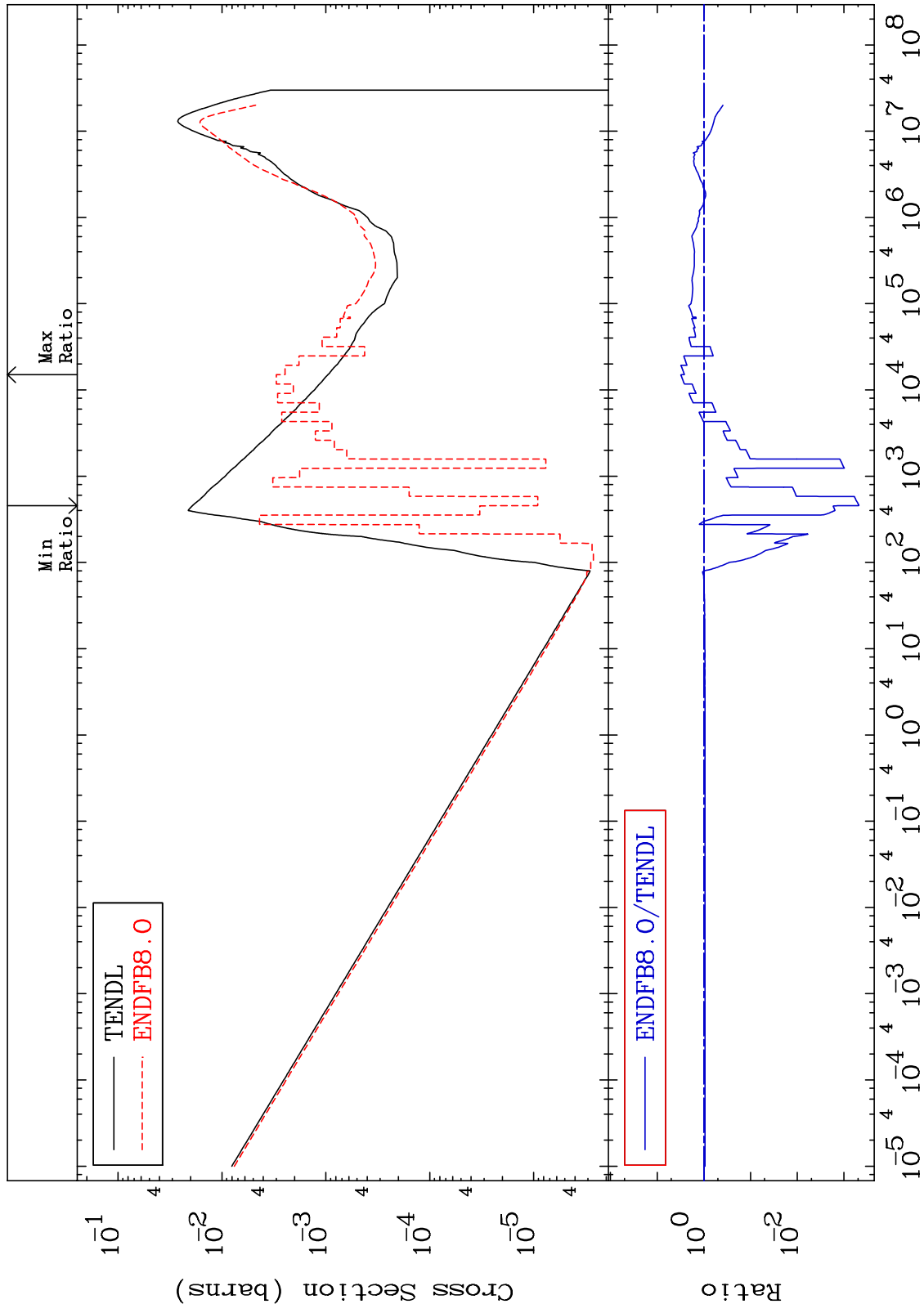
MAT 3034

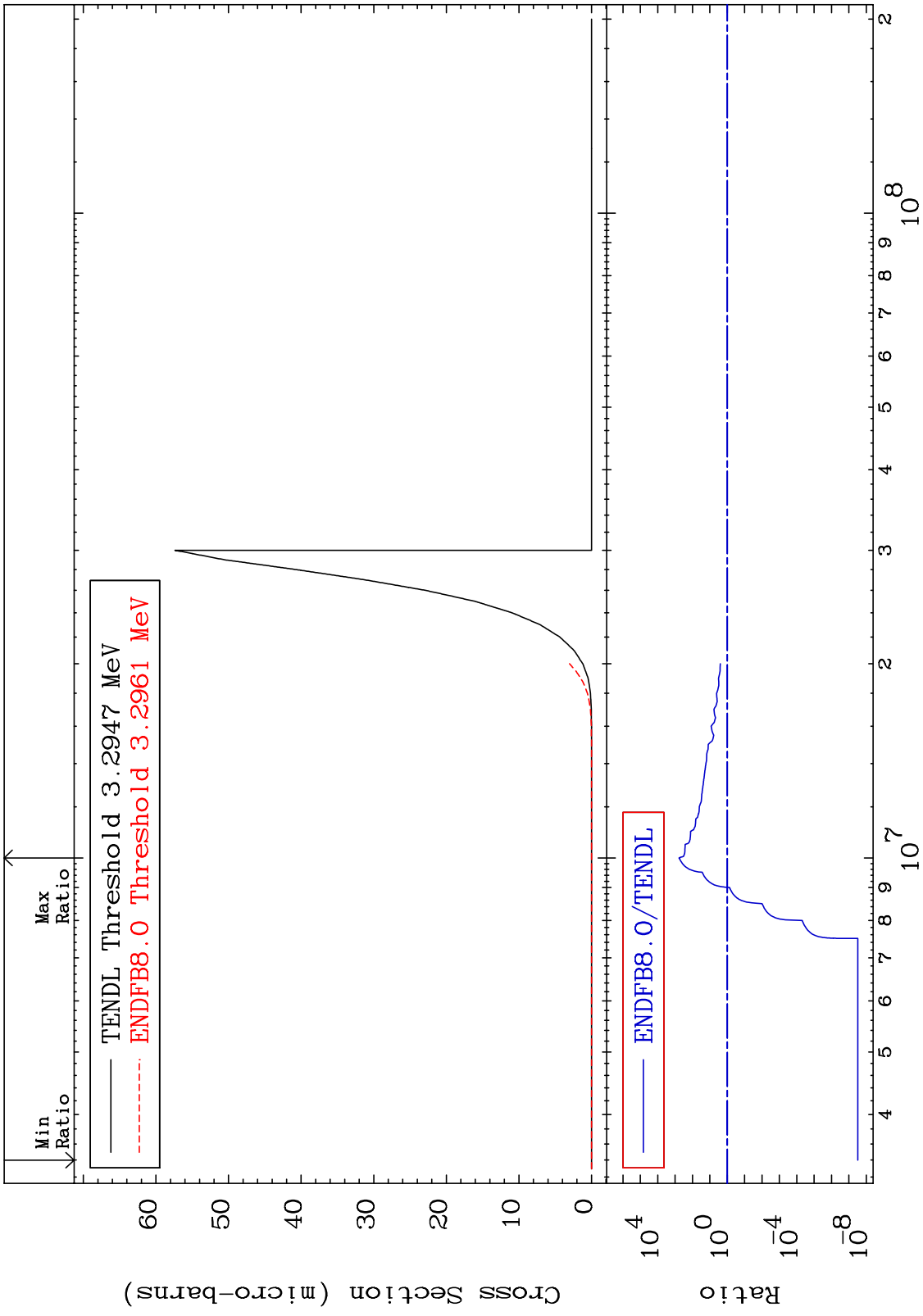
(n,  $\alpha$ )

30-Zn-67

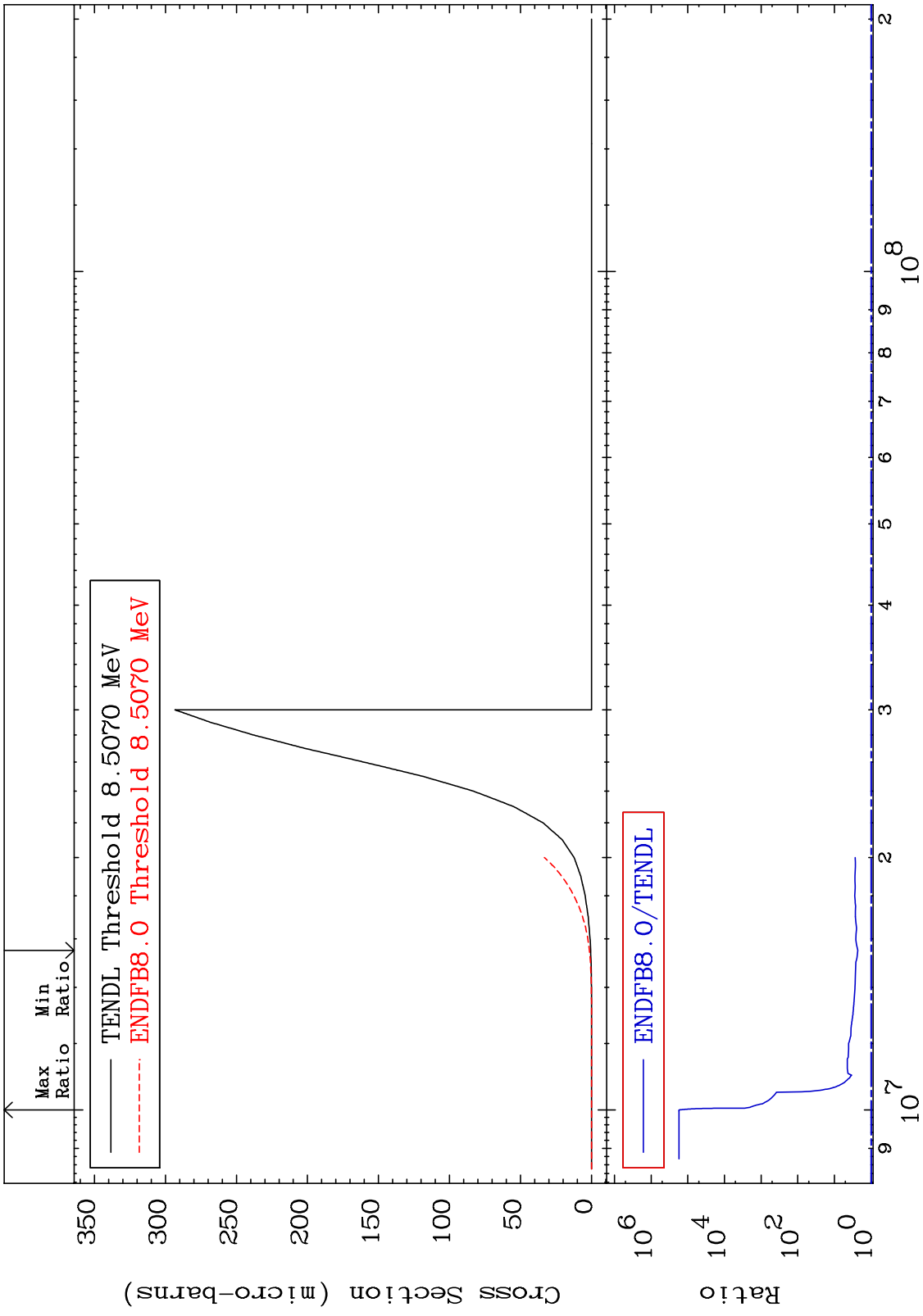
Cross Section

-99.95 To 214.0 %



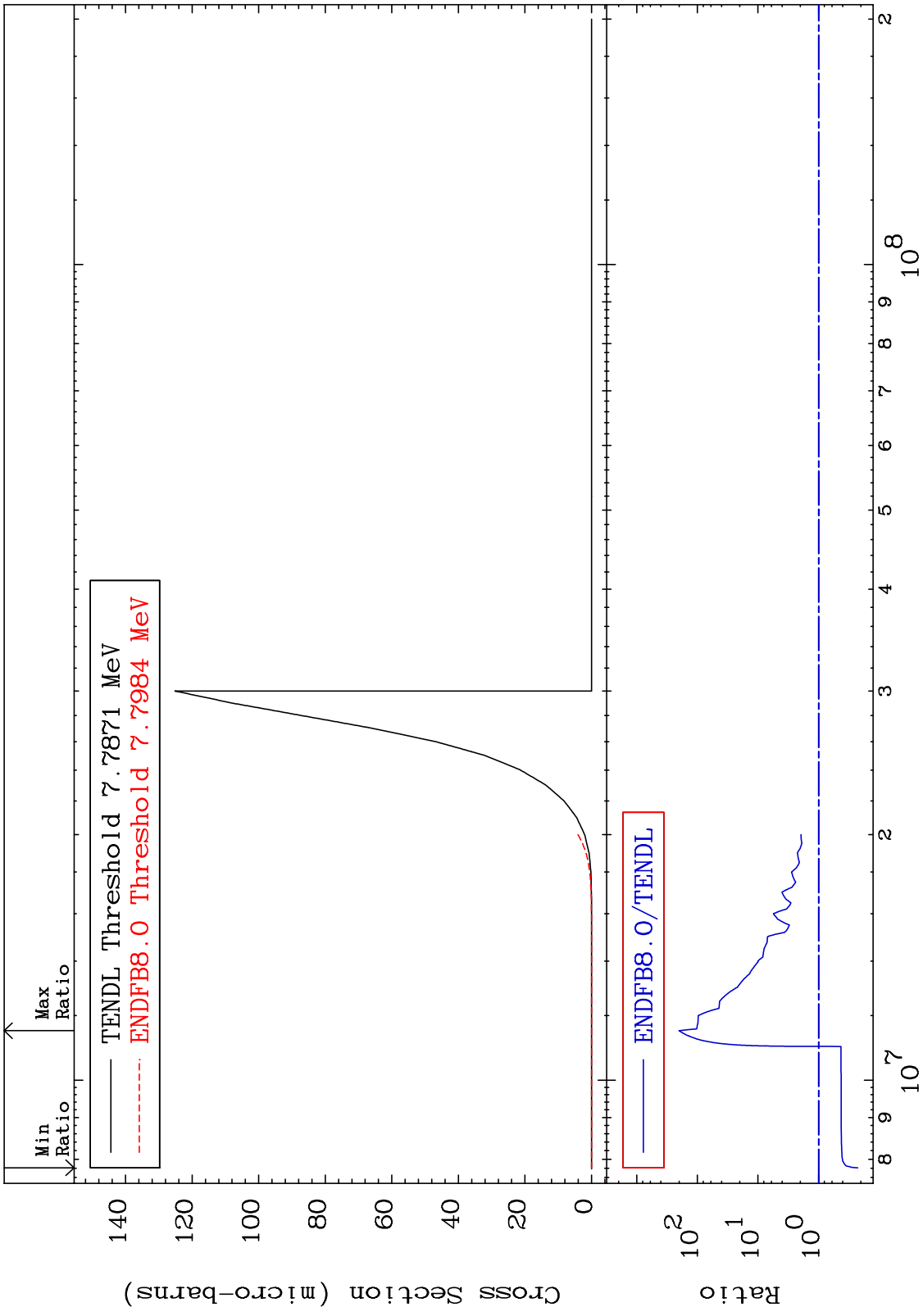


MAT 3034 (n,2p) Cross Section 30-Zn-67  
 129.5 To 9999. %



30 30-Zn-67 Incident Energy (eV)

MAT 3034 (n,p)  $\alpha$  30-Zn-67  
 Cross Section -77.50 To 9999. %

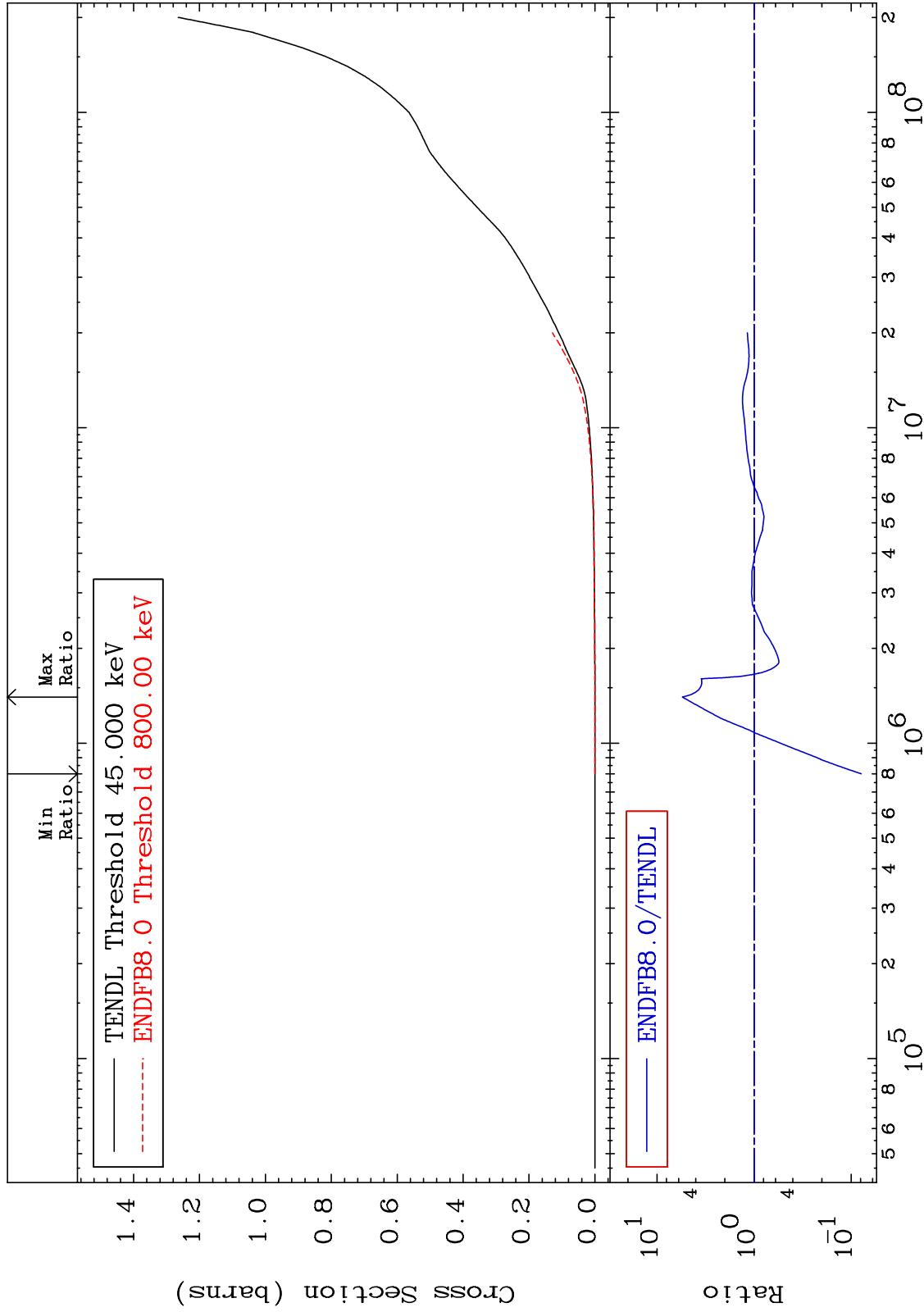




MAT 3034

Hydrogen Production  
Cross Section

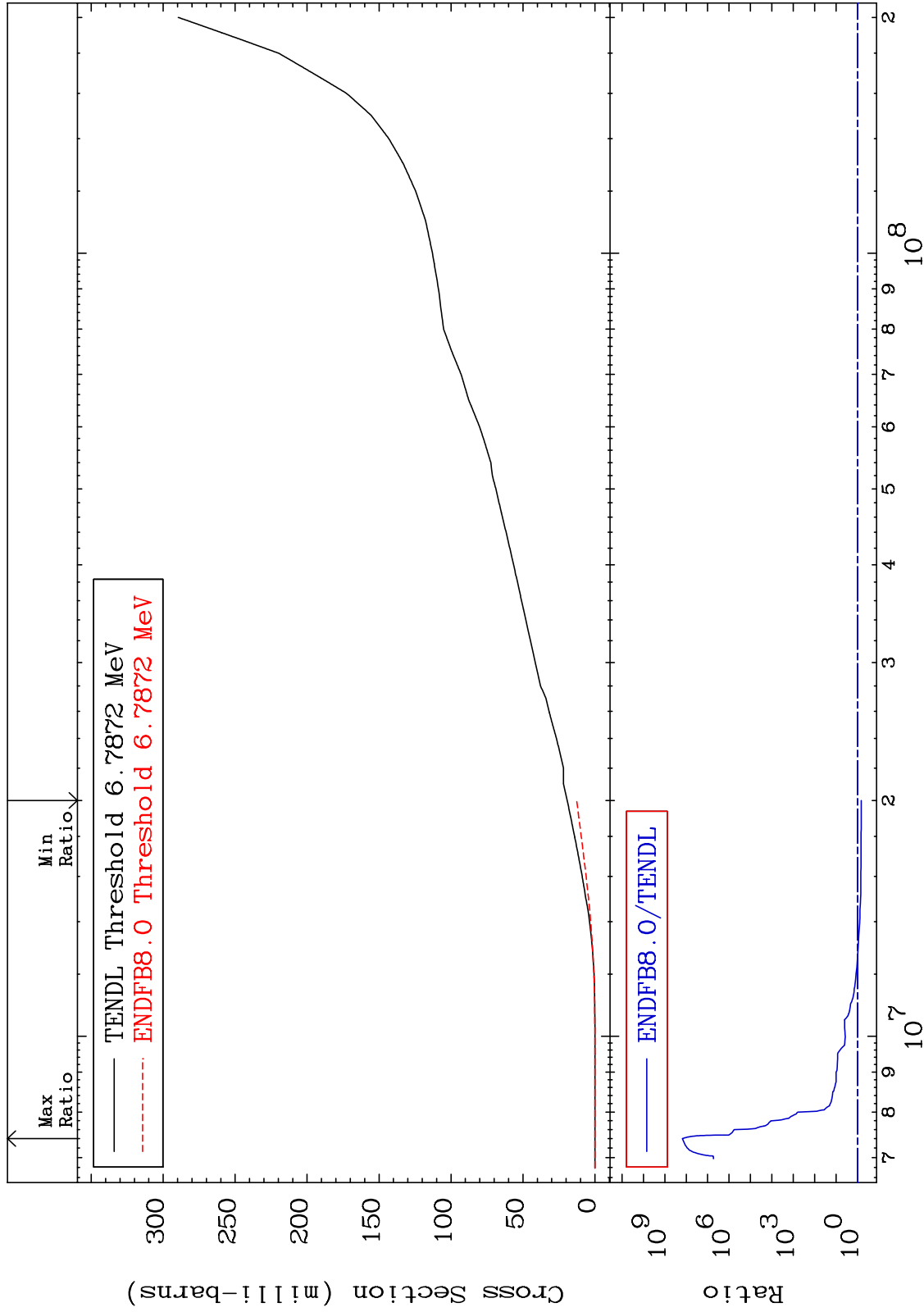
30-Zn-67  
-92.15 To 447.4 %



MAT 3034

Deuterium Production  
Cross Section

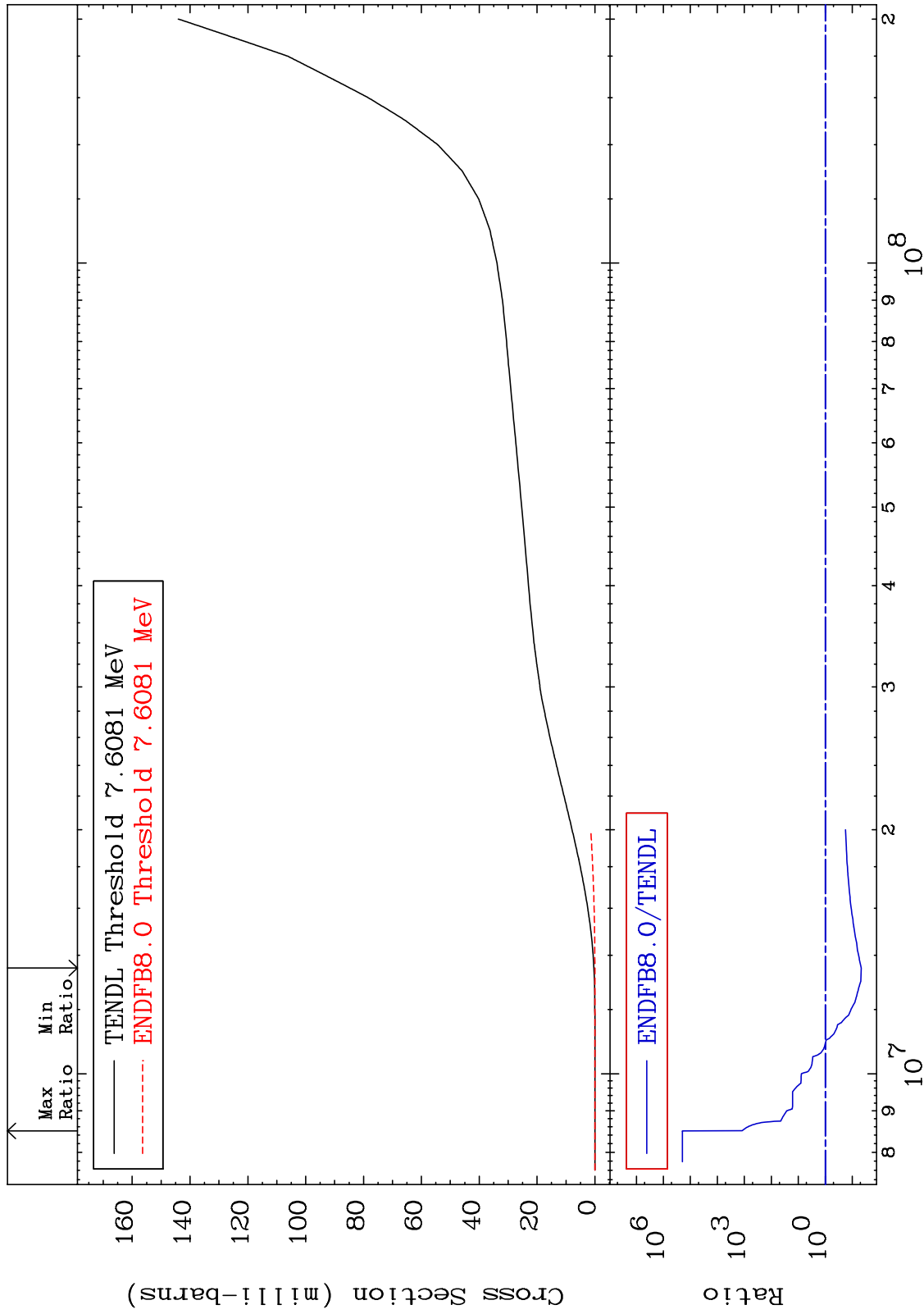
30-Zn-67  
-33.98 To 9999. %



MAT 3034

Tritium Production  
Cross Section

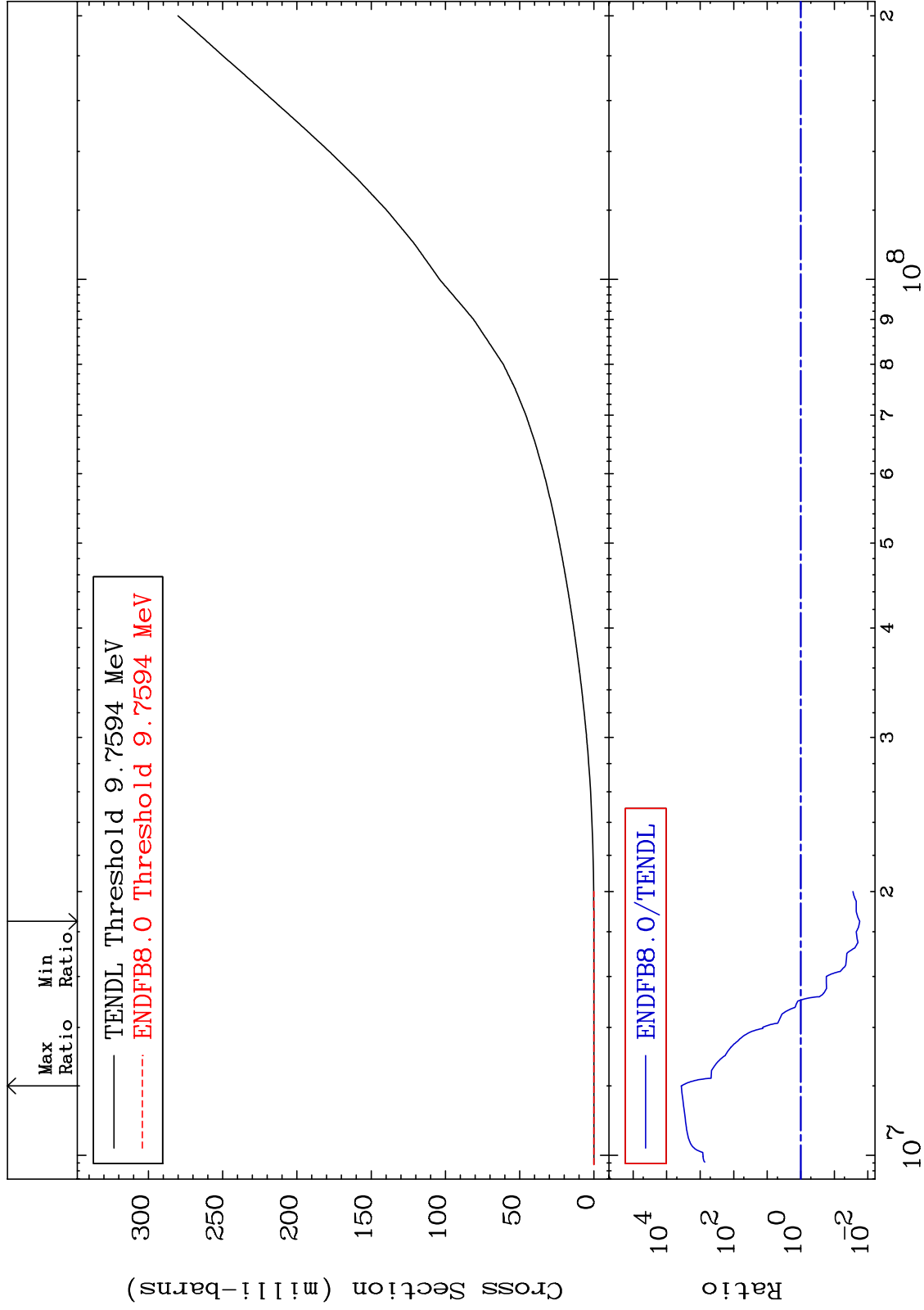
30-Zn-67  
-95.34 To 9999. %



MAT 3034

He-3 Production  
Cross Section

30-Zn-67  
-98.26 To 9999. %



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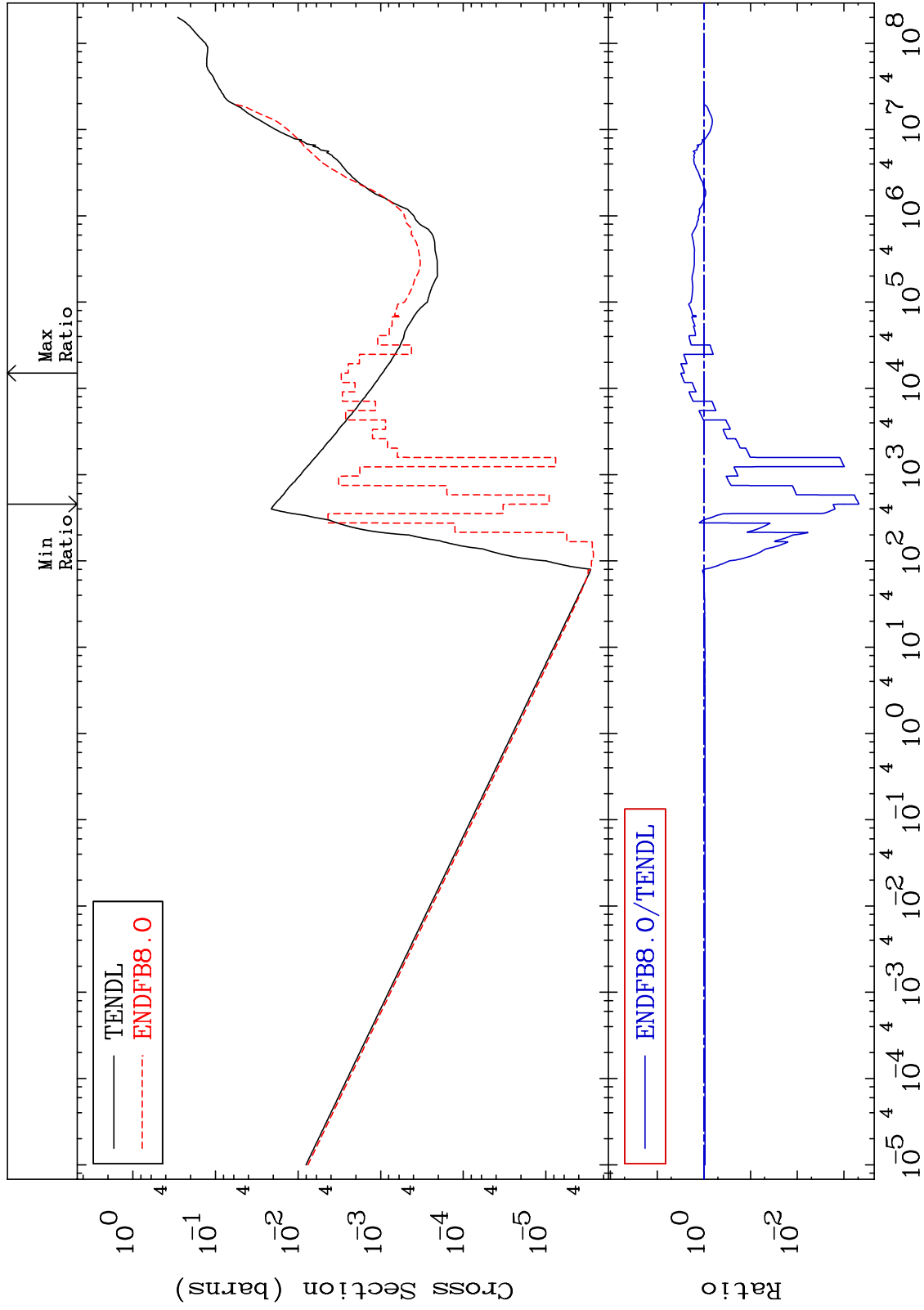
Incident Energy (eV)

30-Zn-67

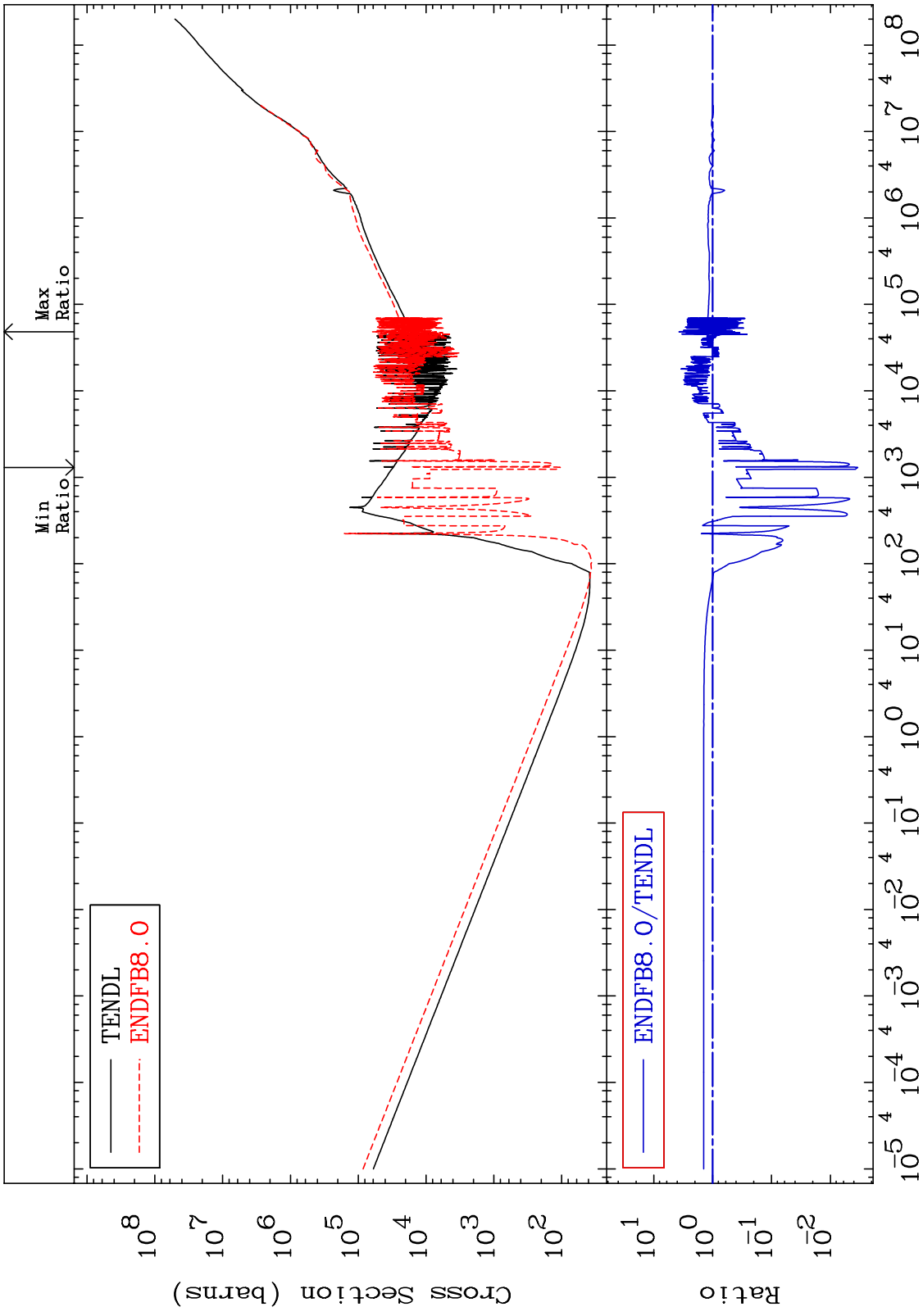
MAT 3034

He-4 Production  
Cross Section

30-Zn-67  
-99.95 To 214.0 %



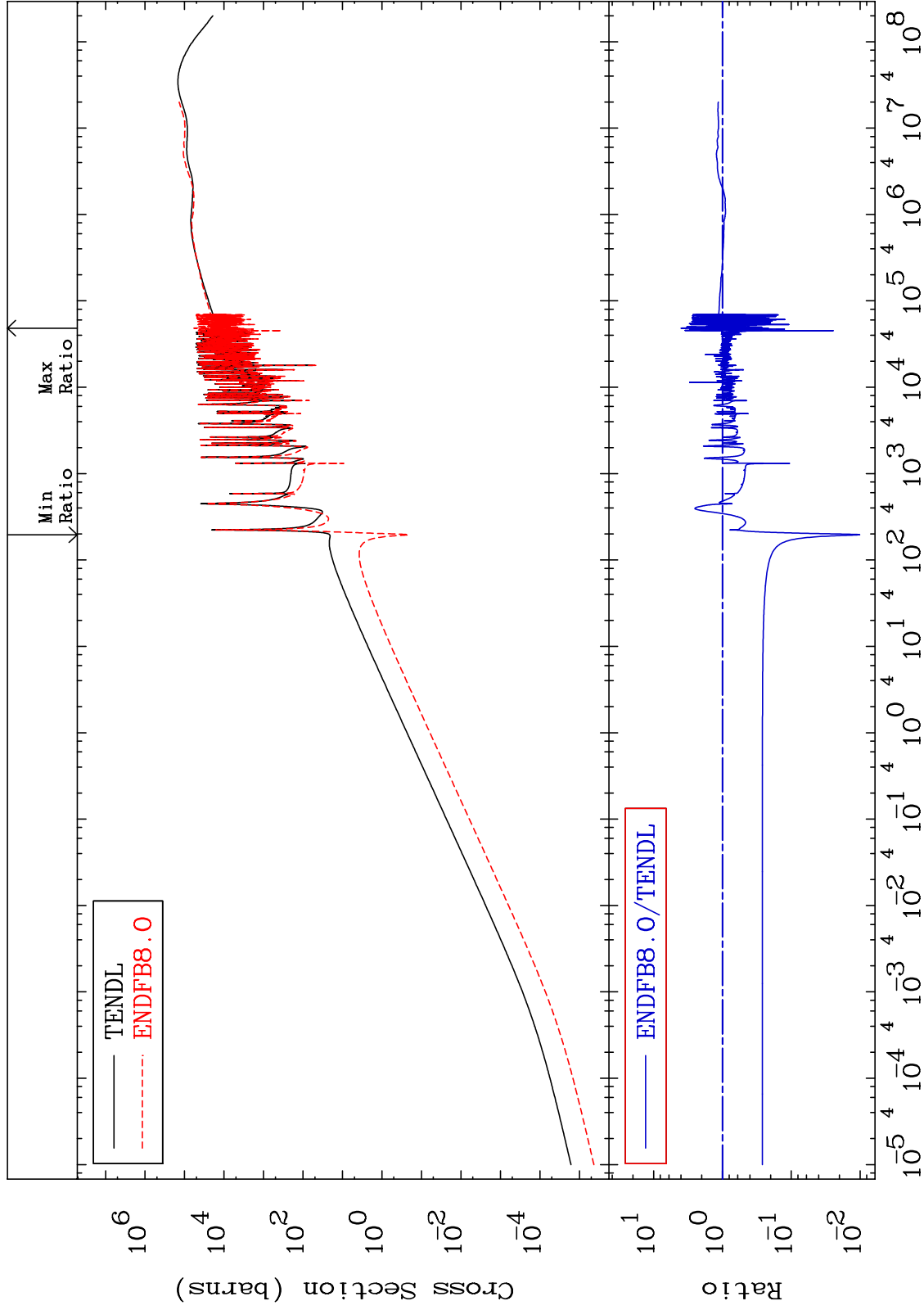
MAT 3034      Kerma total (eV-barns)  
 Cross Section      -99.66 To 272.2 %      30-Zn-67



MAT 3034

Kerma elastic  
Cross Section

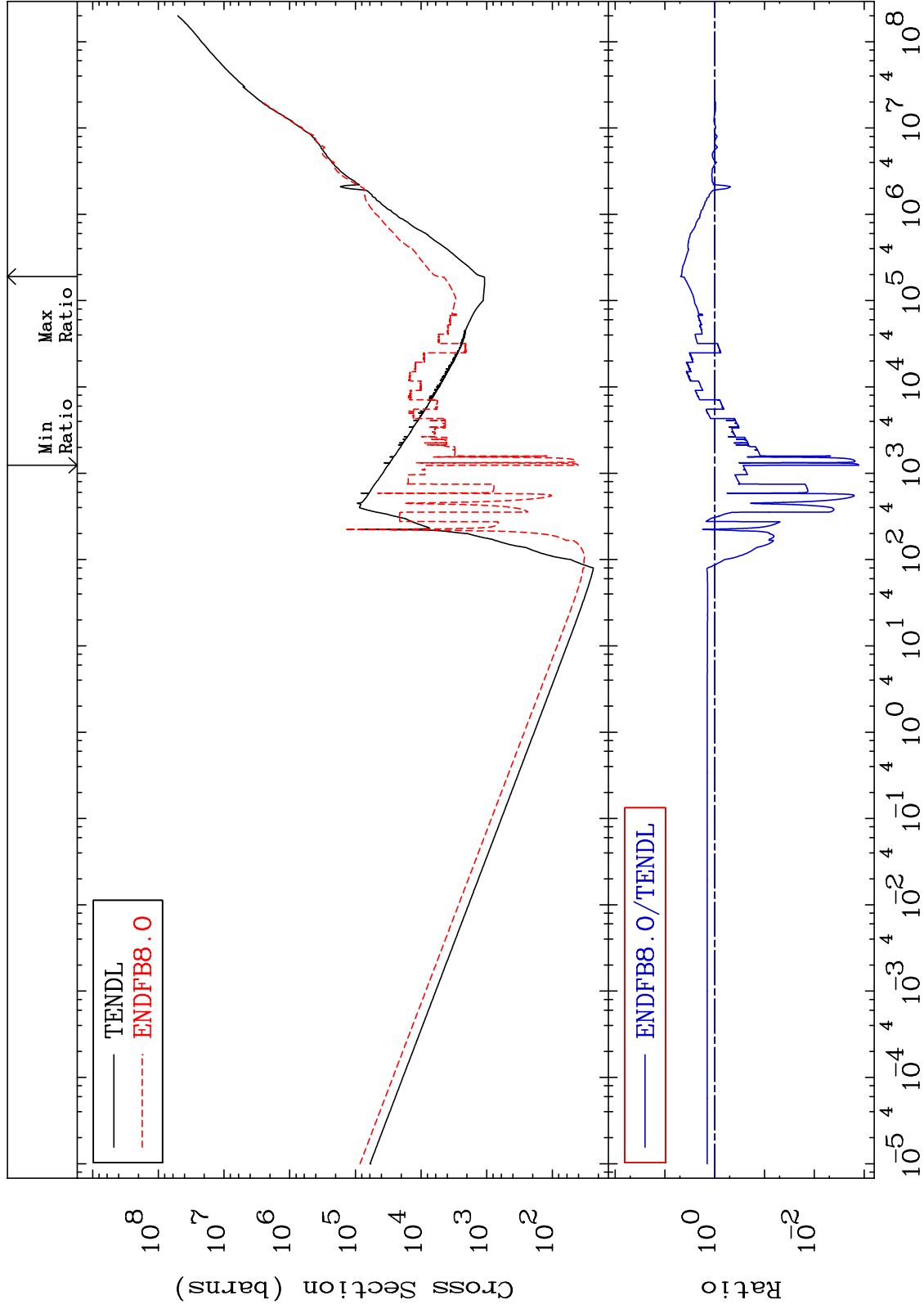
30-Zn-67  
-98.99 To 297.2 %



MAT 3034

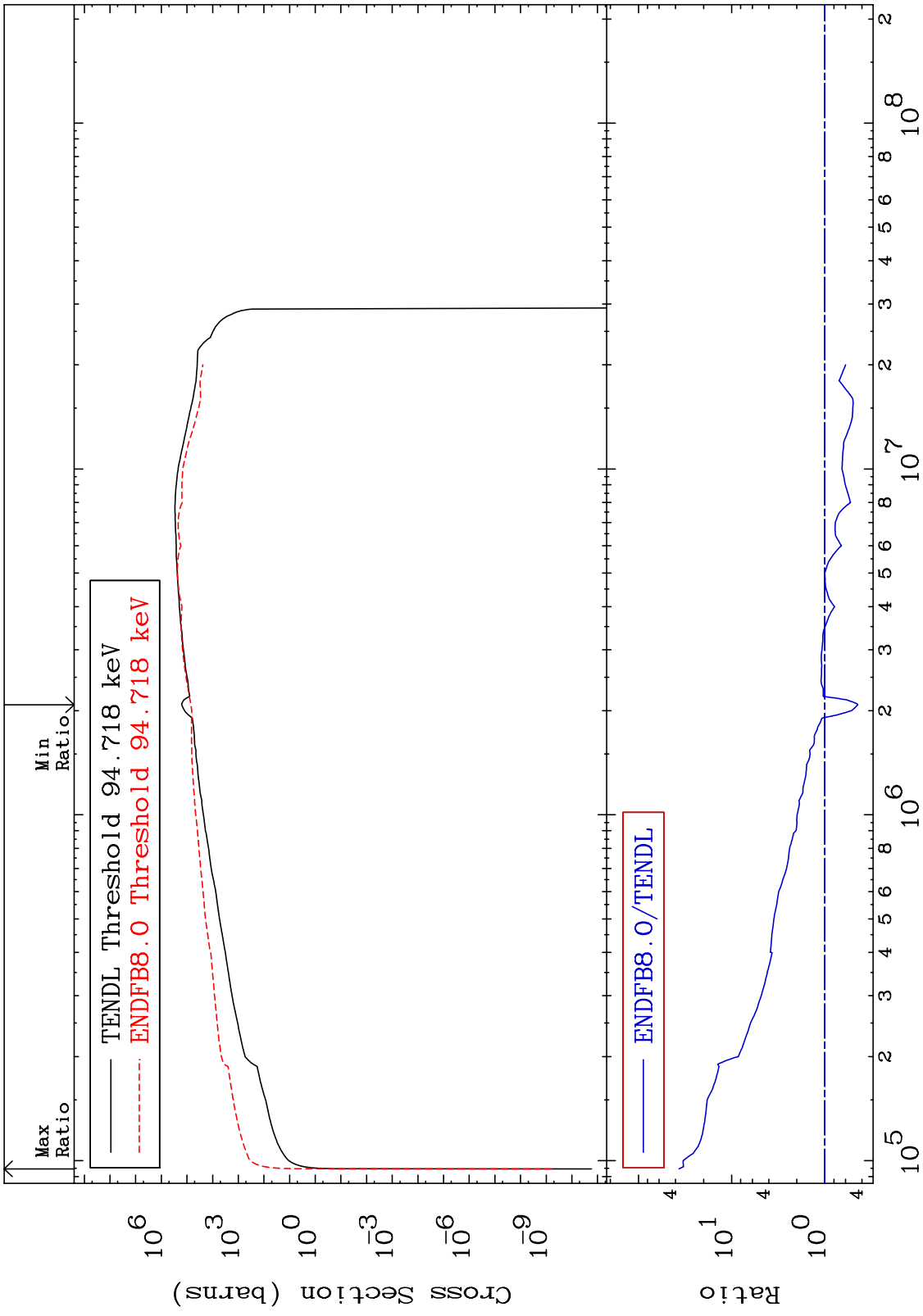
Kerma non-elastic (all but mt2)  
Cross Section

30-Zn-67  
-99.87 To 384.1 %





MAT 3034 Kerma inelastic (mt51-91) 30-Zn-67  
Cross Section -55.71 To 3572. %

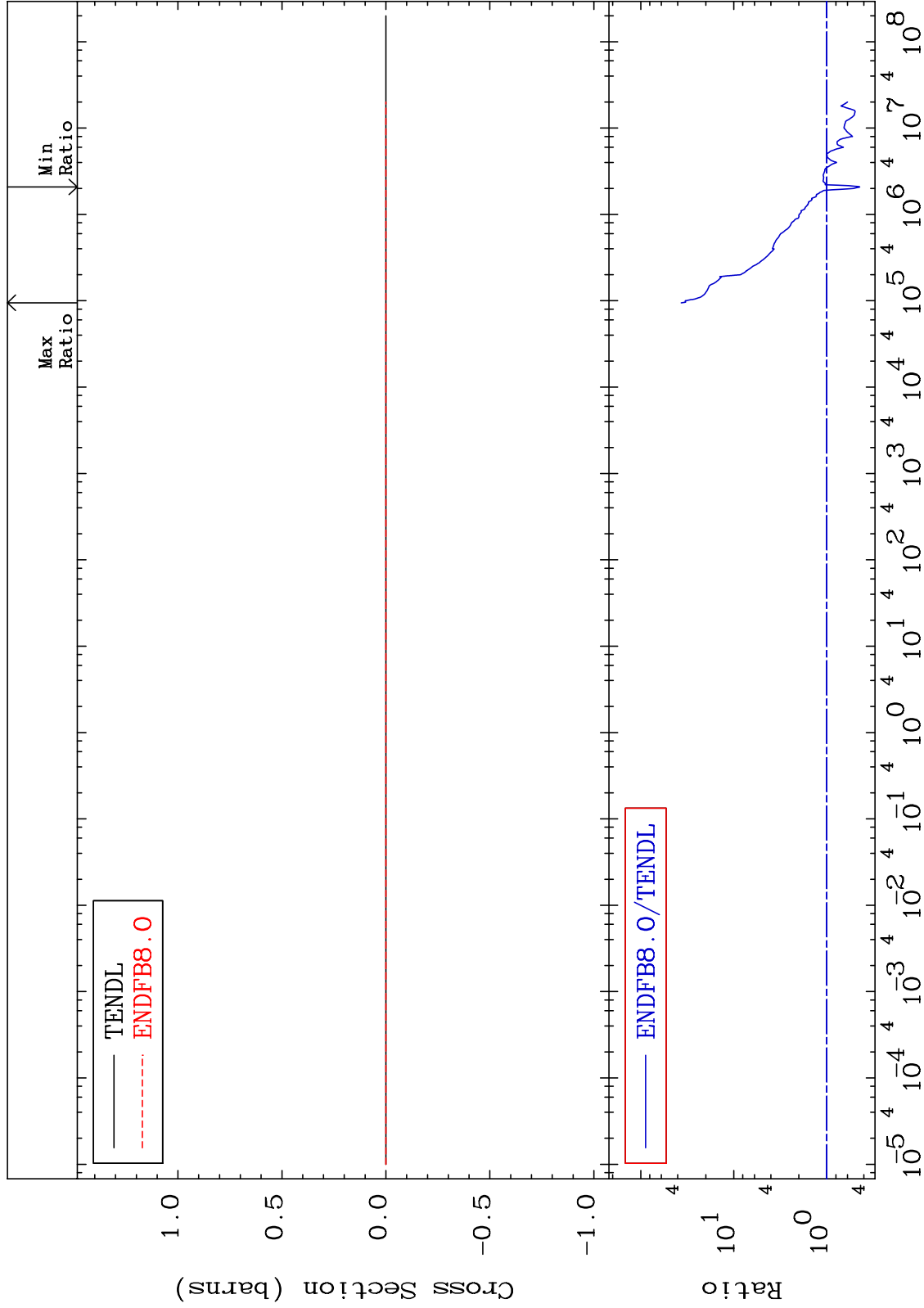


40 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup> 2 3 4 5 6 8

MAT 3034

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

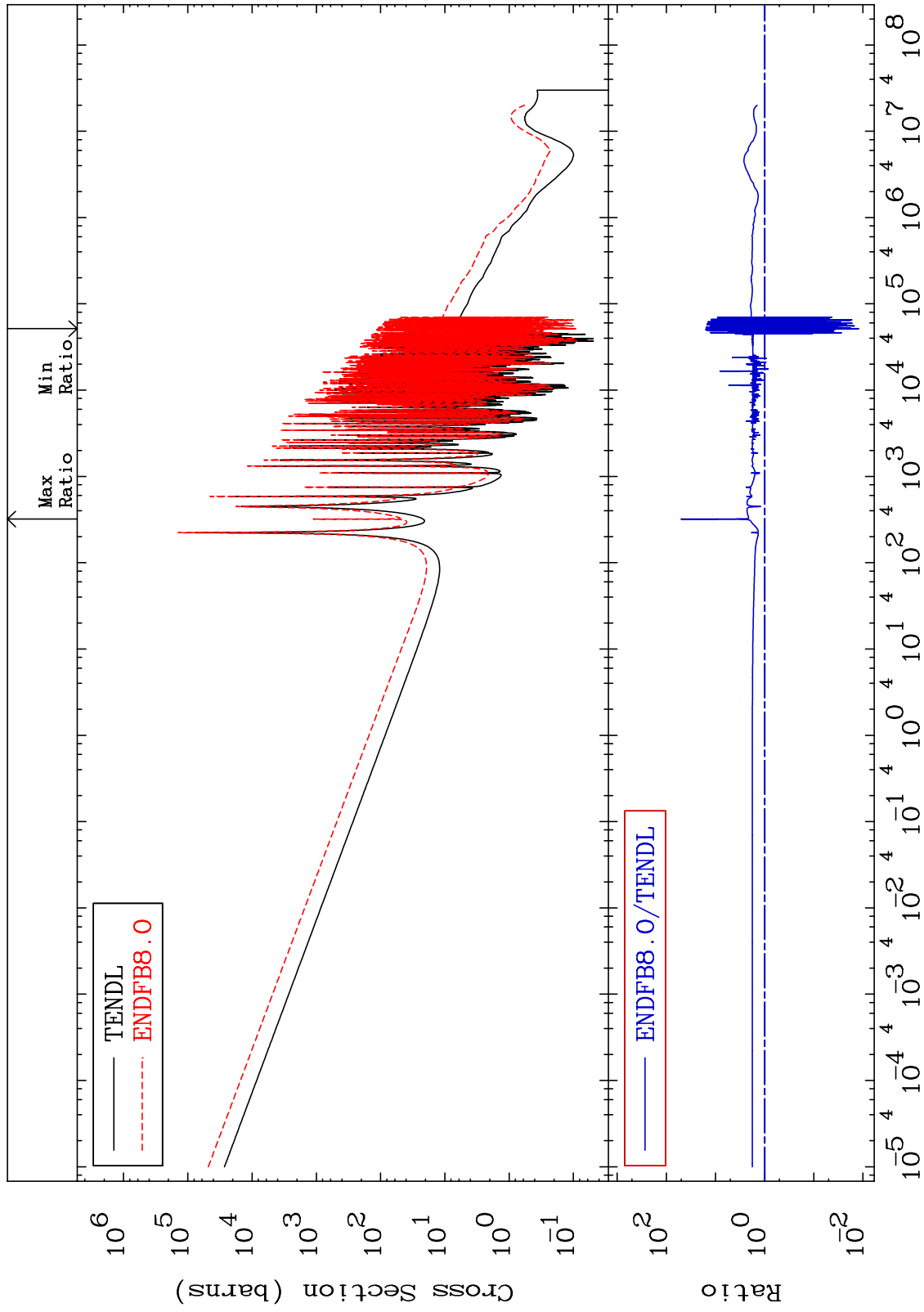
30-Zn-67  
-55.71 To 3572. %



MAT 3034

Kerma capture (mt102)  
Cross Section

30-Zn-67  
-98.80 To 5016. %



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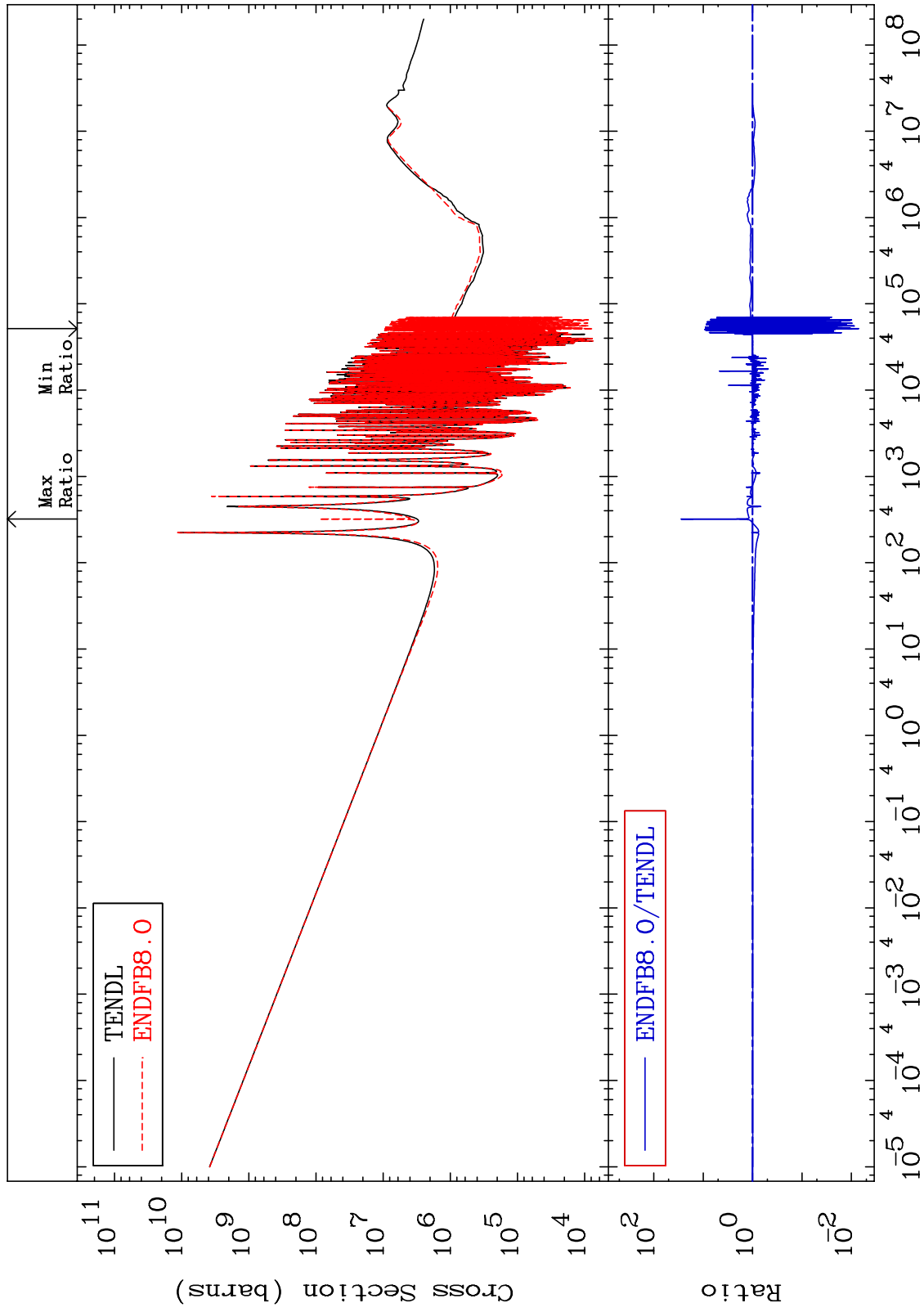
Incident Energy (eV)

30-Zn-67

MAT 3034

Total photon (eV-barns)  
Cross Section

30-Zn-67  
-99.30 To 2756. %

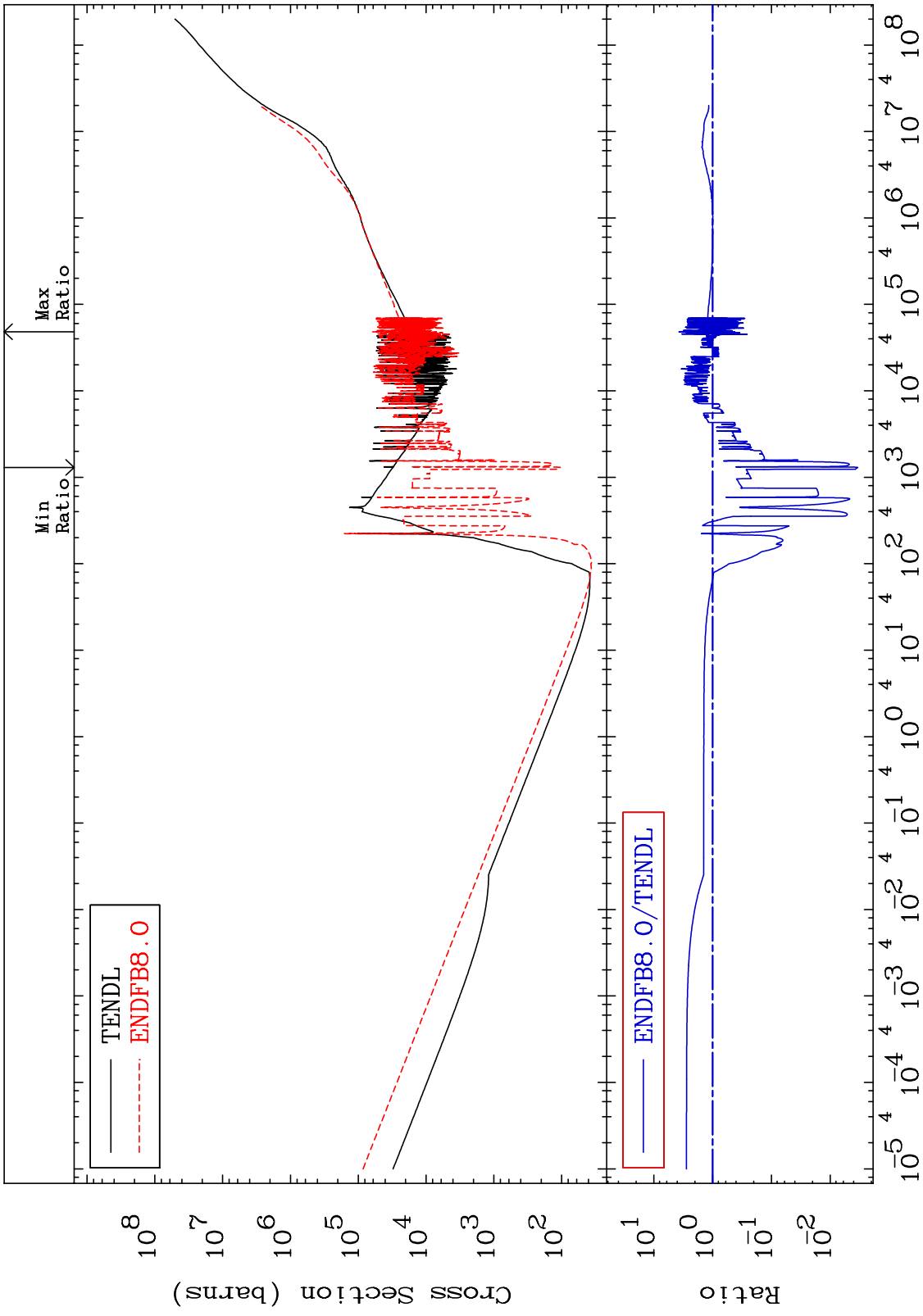


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Incident Energy (eV)

30-Zn-67

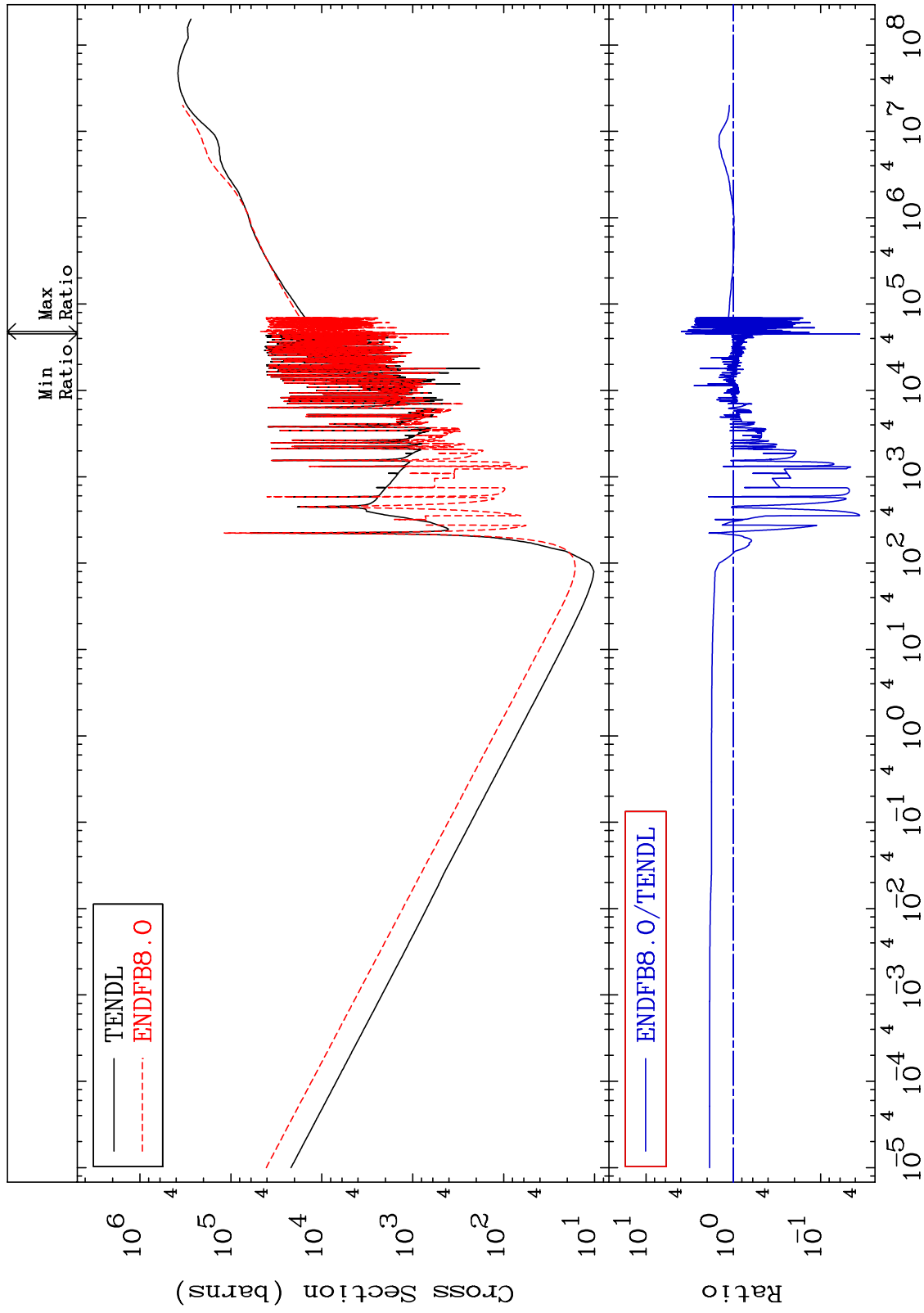
MAT 3034 Total kinematic kerma (high limit) 30-Zn-67  
 Cross Section -99.66 To 271.8 %



MAT 3034

Dpa total (eV-barns)  
Cross Section

30-Zn-67  
-96.43 To 295.8 %



45

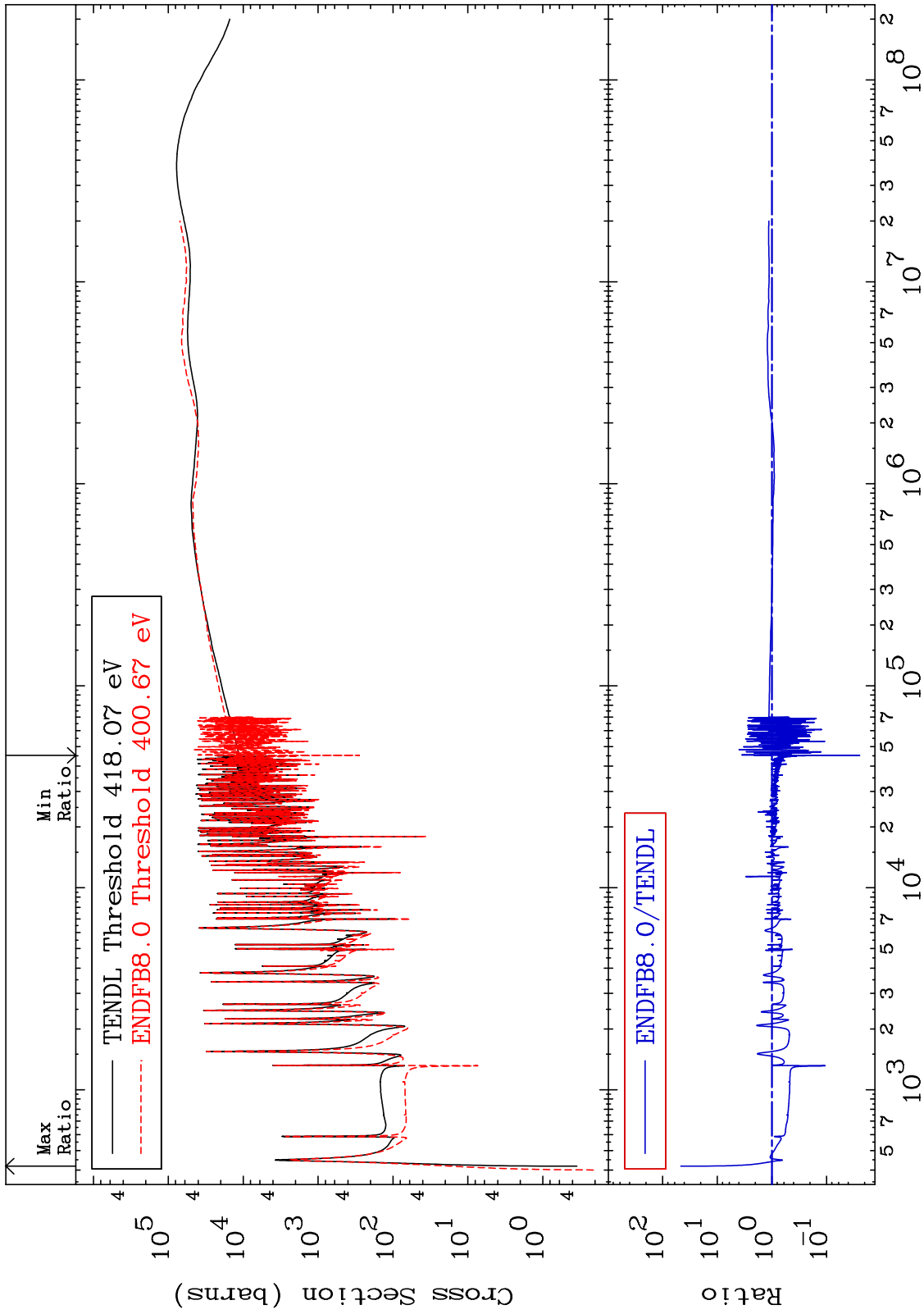
Incident Energy (eV)

30-Zn-67

MAT 3034

Dpa elastic (mt2)  
Cross Section

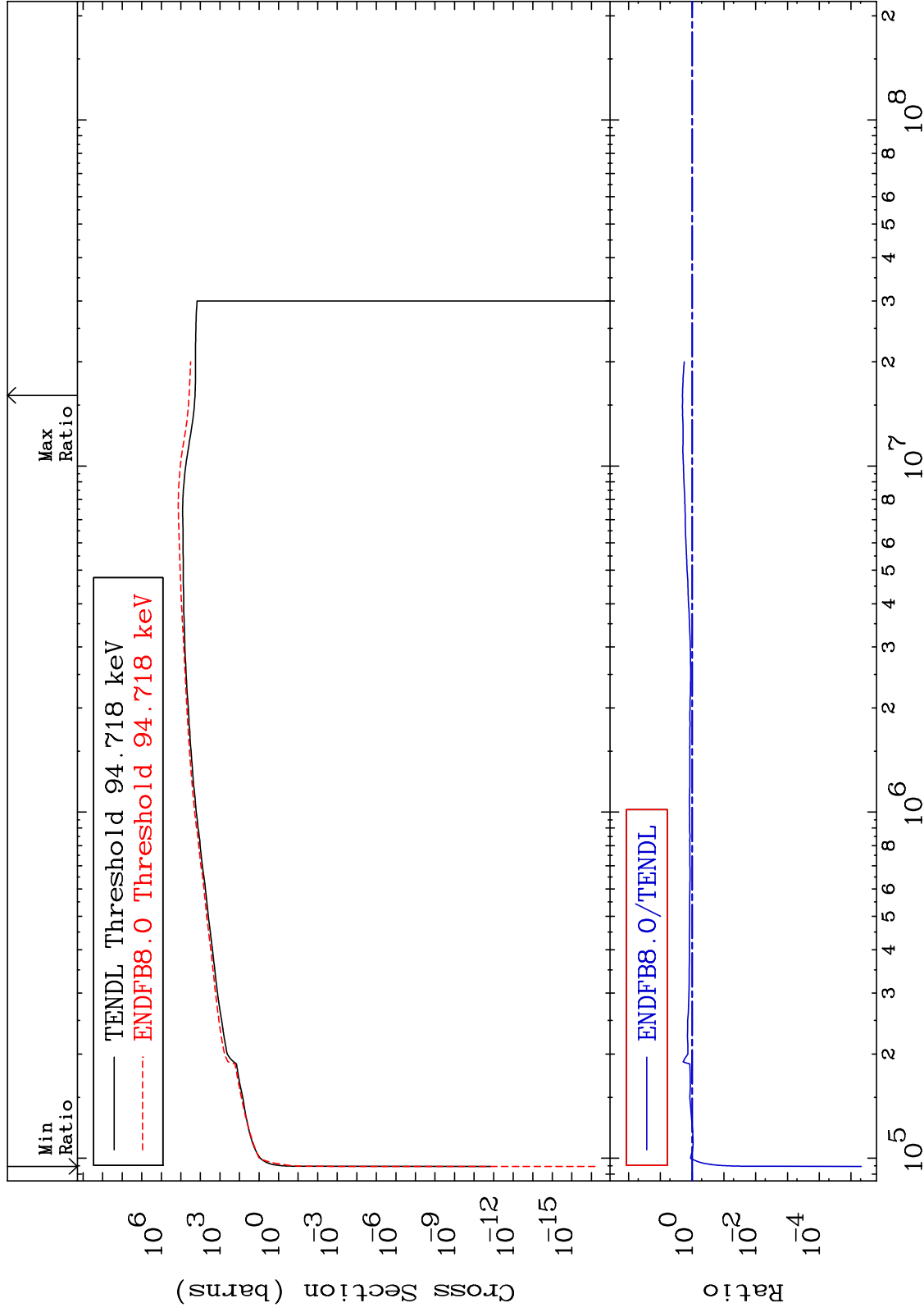
30-Zn-67  
-97.52 To 4527. %



MAT 3034

Dpa inelastic (mt51-91)  
Cross Section

30-Zn-67  
-100.0 To 101.6 %



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Incident Energy (eV)

30-Zn-67



MAT 3034

Dpa disappearance (mt102 -120)  
Cross Section

30-Zn-67  
-99.66 To 264.7 %

