

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

MAT 5425

Total

54-Xe-124

-99.78 To 9999. %

Cross Section

Min Ratio

Max Ratio

— TENDL  
- - - ENDFB8.0

Cross Section (barns)

— ENDFB8.0/TENDL

Ratio

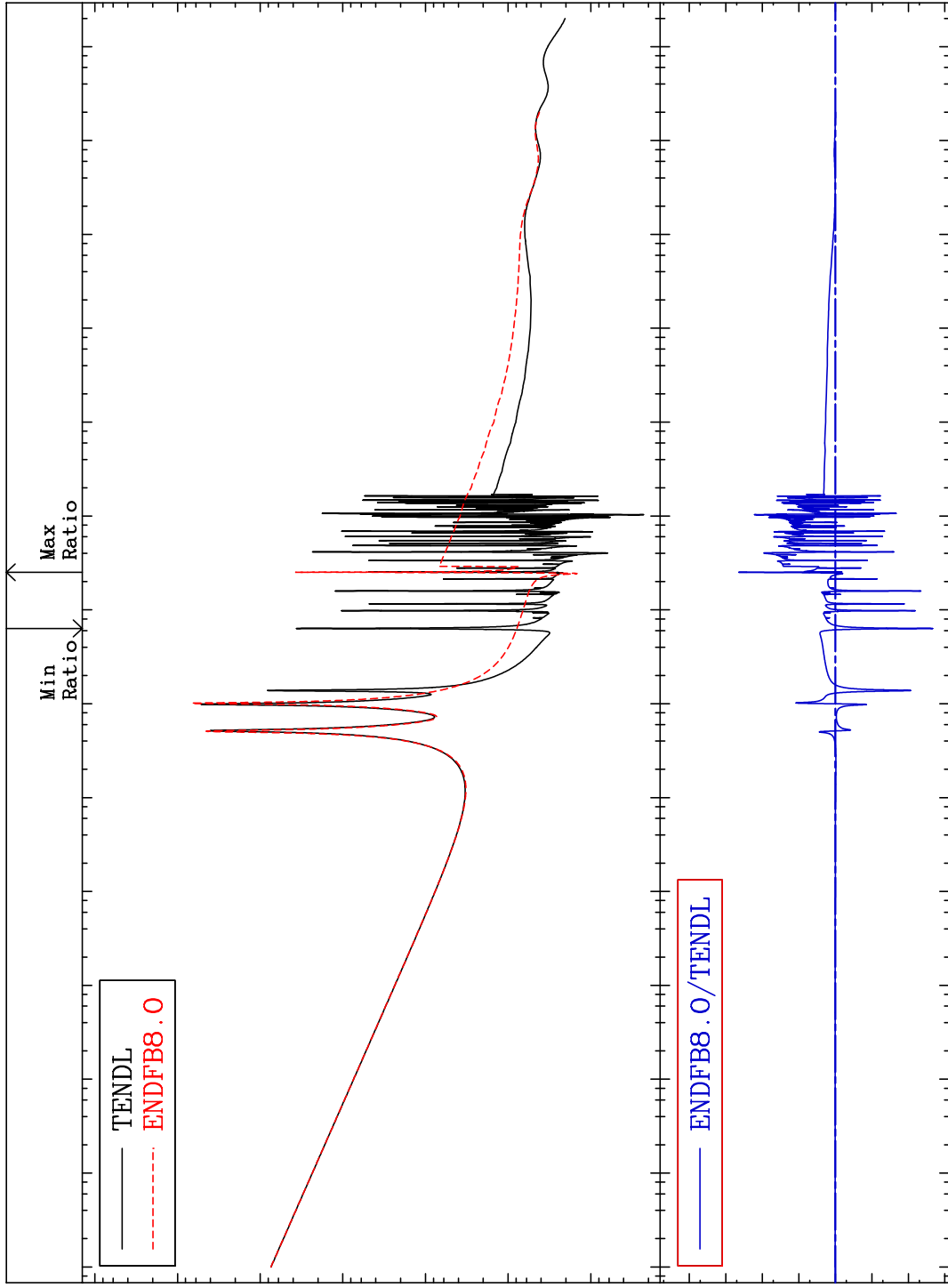
10<sup>5</sup> 10<sup>4</sup> 10<sup>3</sup> 10<sup>2</sup> 10<sup>1</sup> 10<sup>0</sup> 10<sup>-1</sup> 10<sup>-2</sup> 10<sup>-3</sup> 10<sup>-4</sup> 10<sup>-5</sup>

10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

Incident Energy (eV)

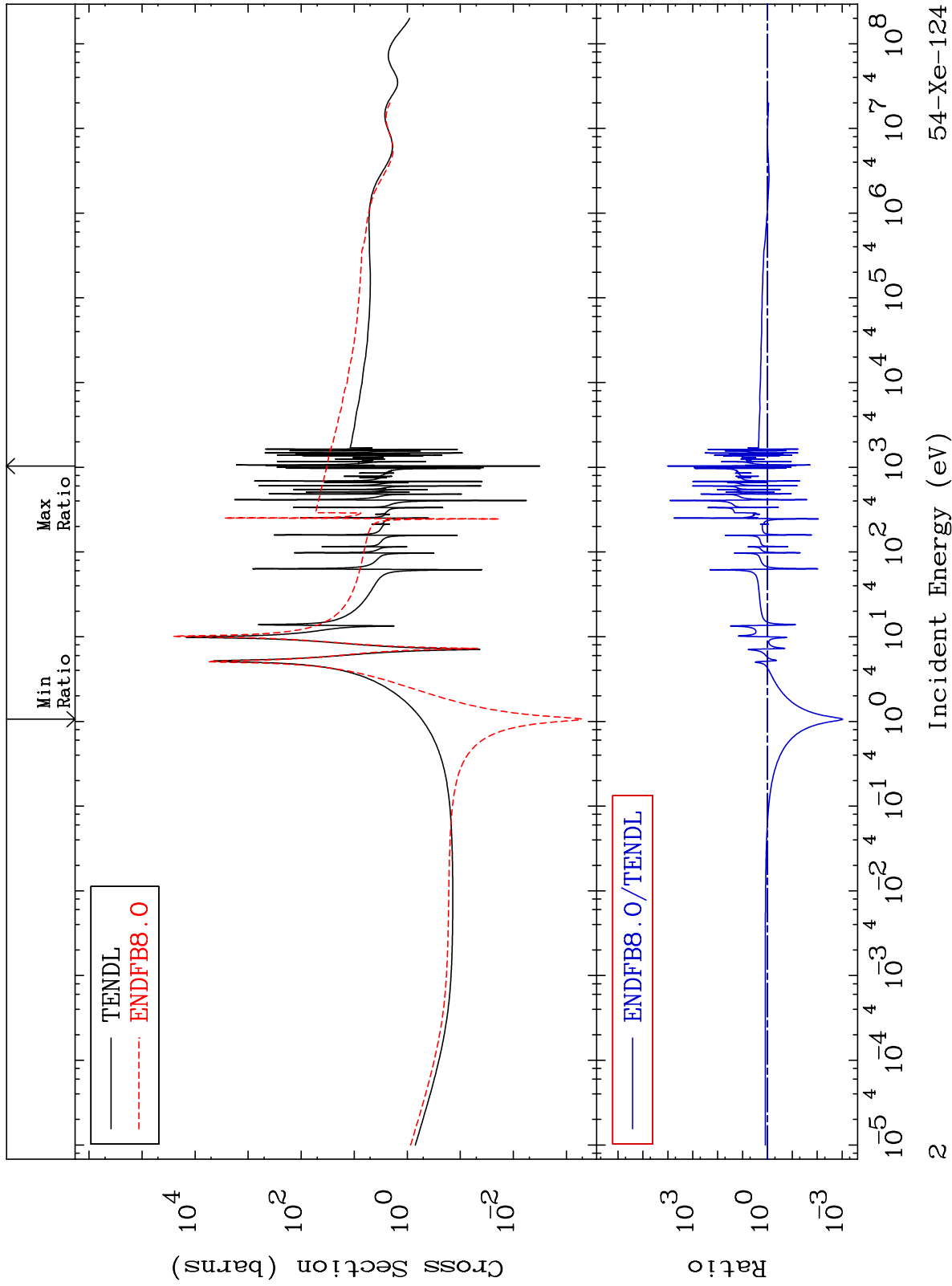
54-Xe-124

1



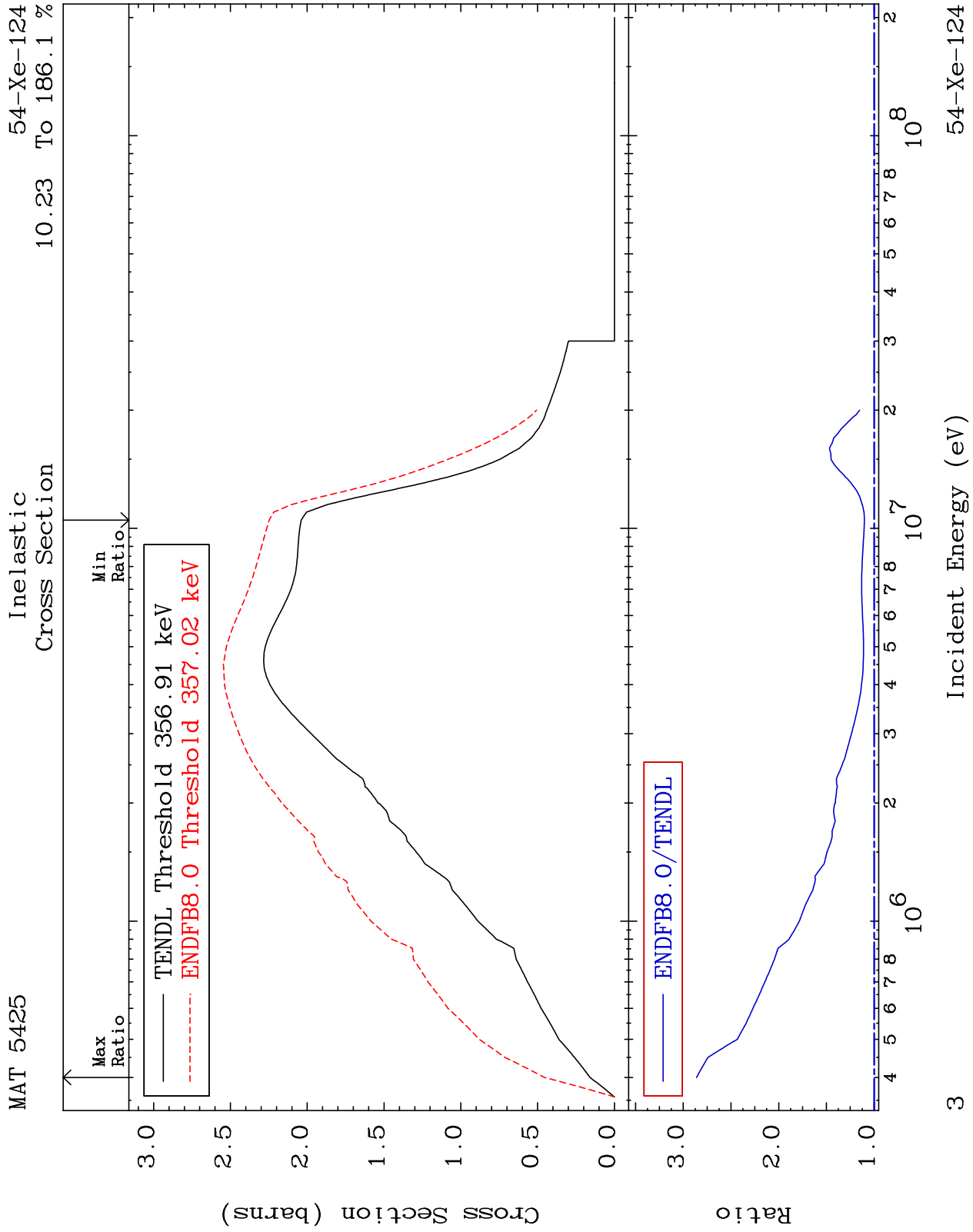
MAT 5425

Elastic Cross Section  
54-Xe-124  
-99.90 To 9999. %



54-Xe-124

Incident Energy (eV)



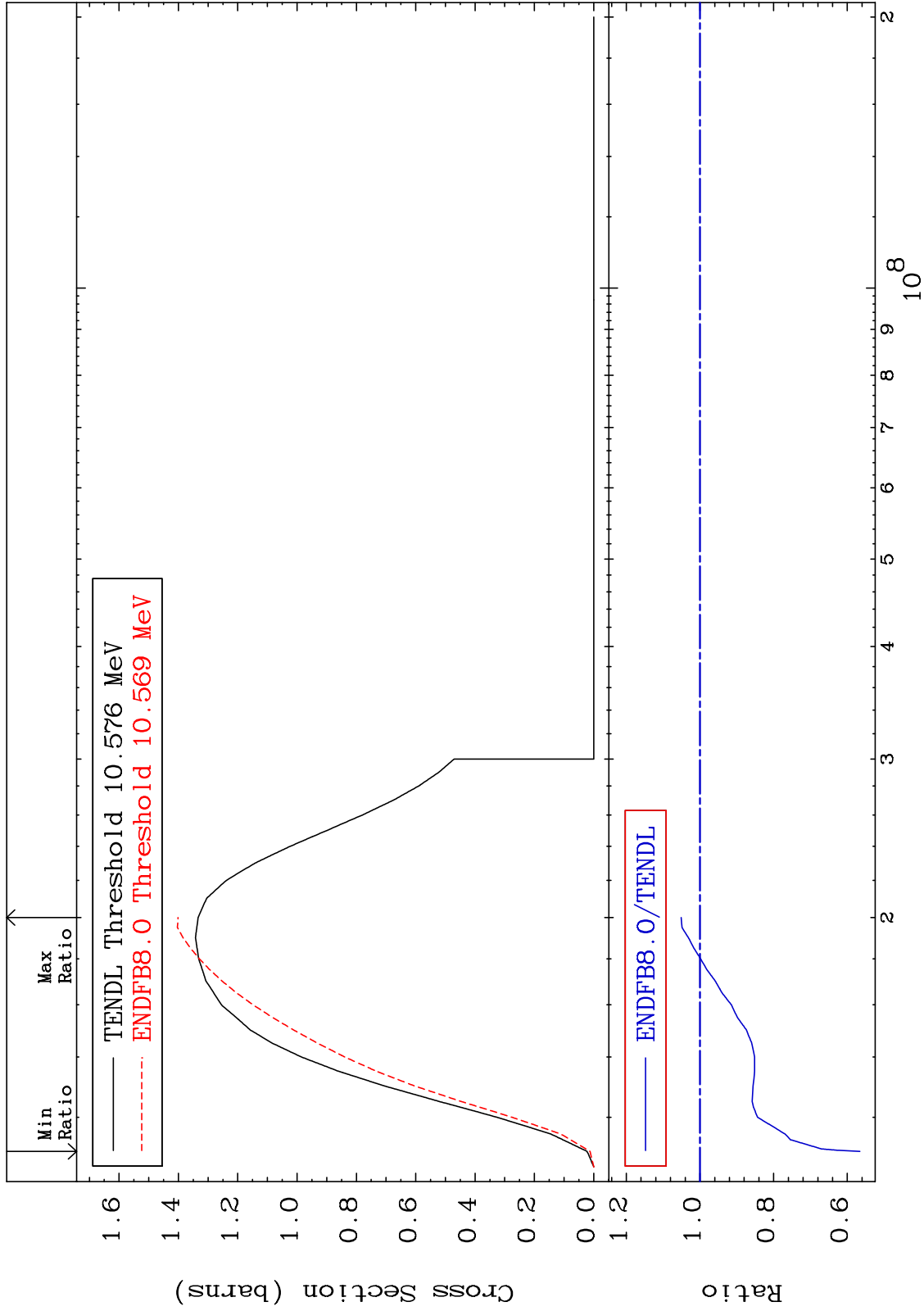
MAT 5425

(n,2n)

54-Xe-124

Cross Section

-43.42 To 5.090 %



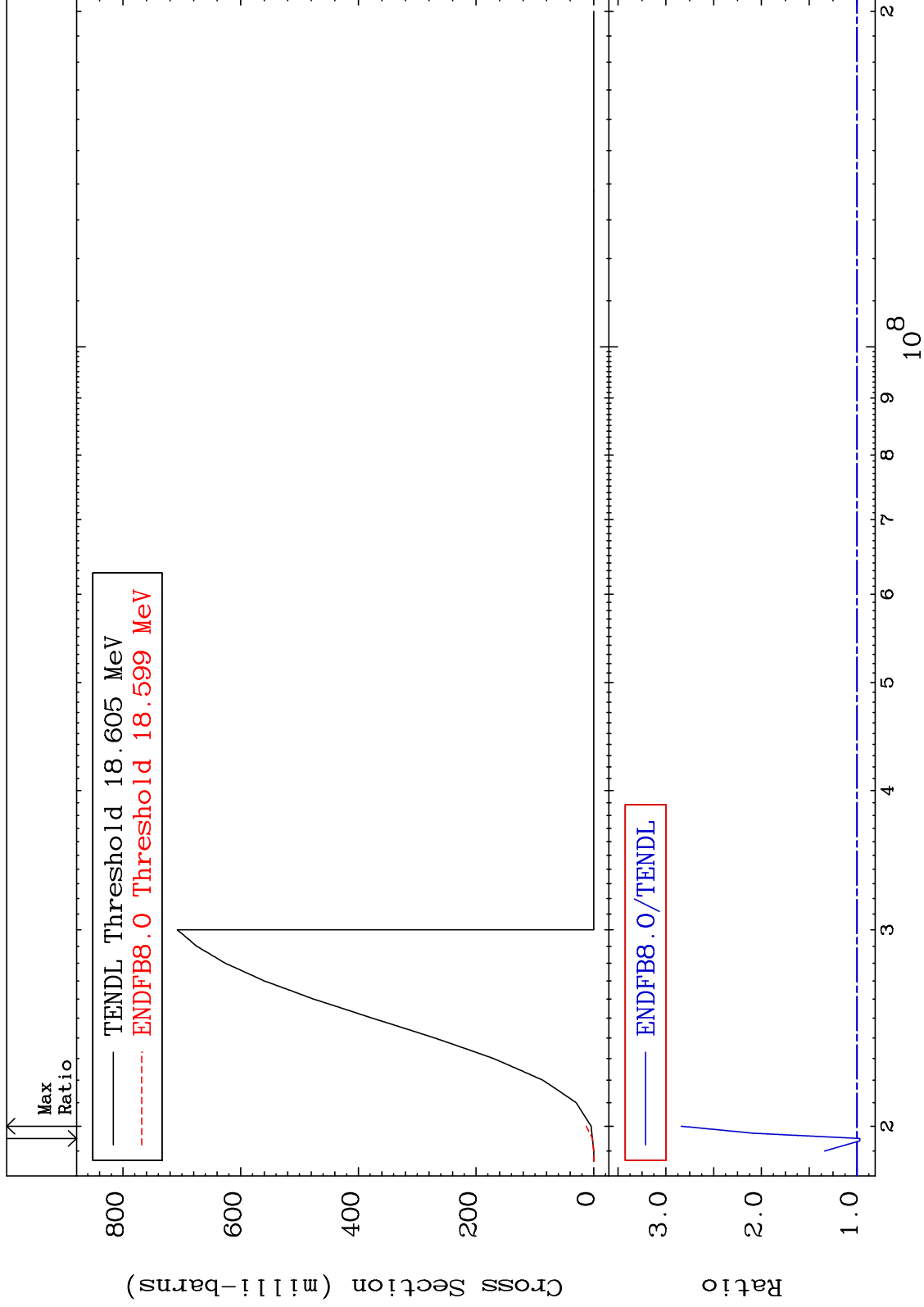
MAT 5425

(n,3n)

54-Xe-124

Cross Section

-3.110 To 183.9 %



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Incident Energy (eV)

54-Xe-124

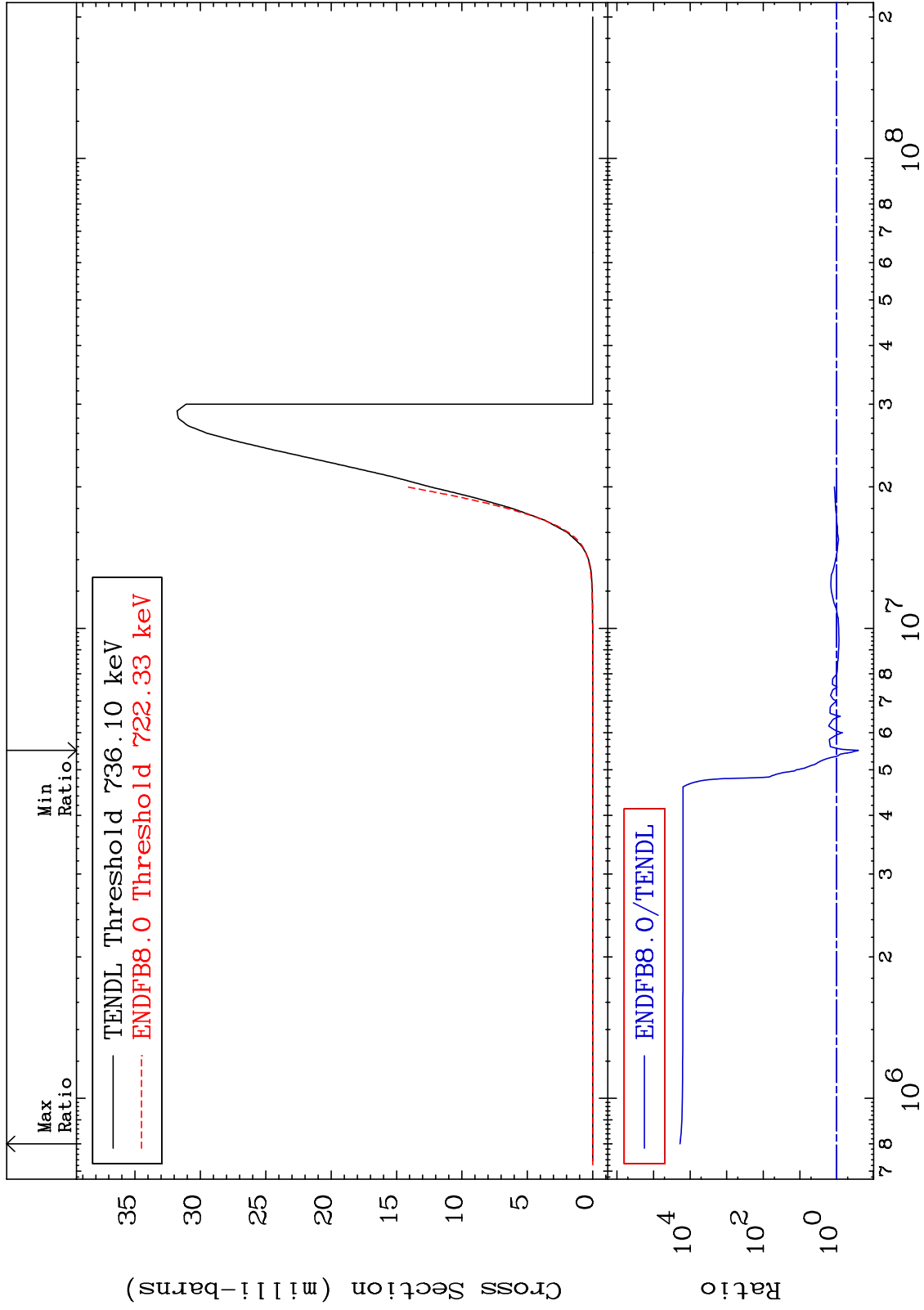
MAT 5425

(n, n')  $\alpha$

54-Xe-124

Cross Section

-74.71 To 9999. %



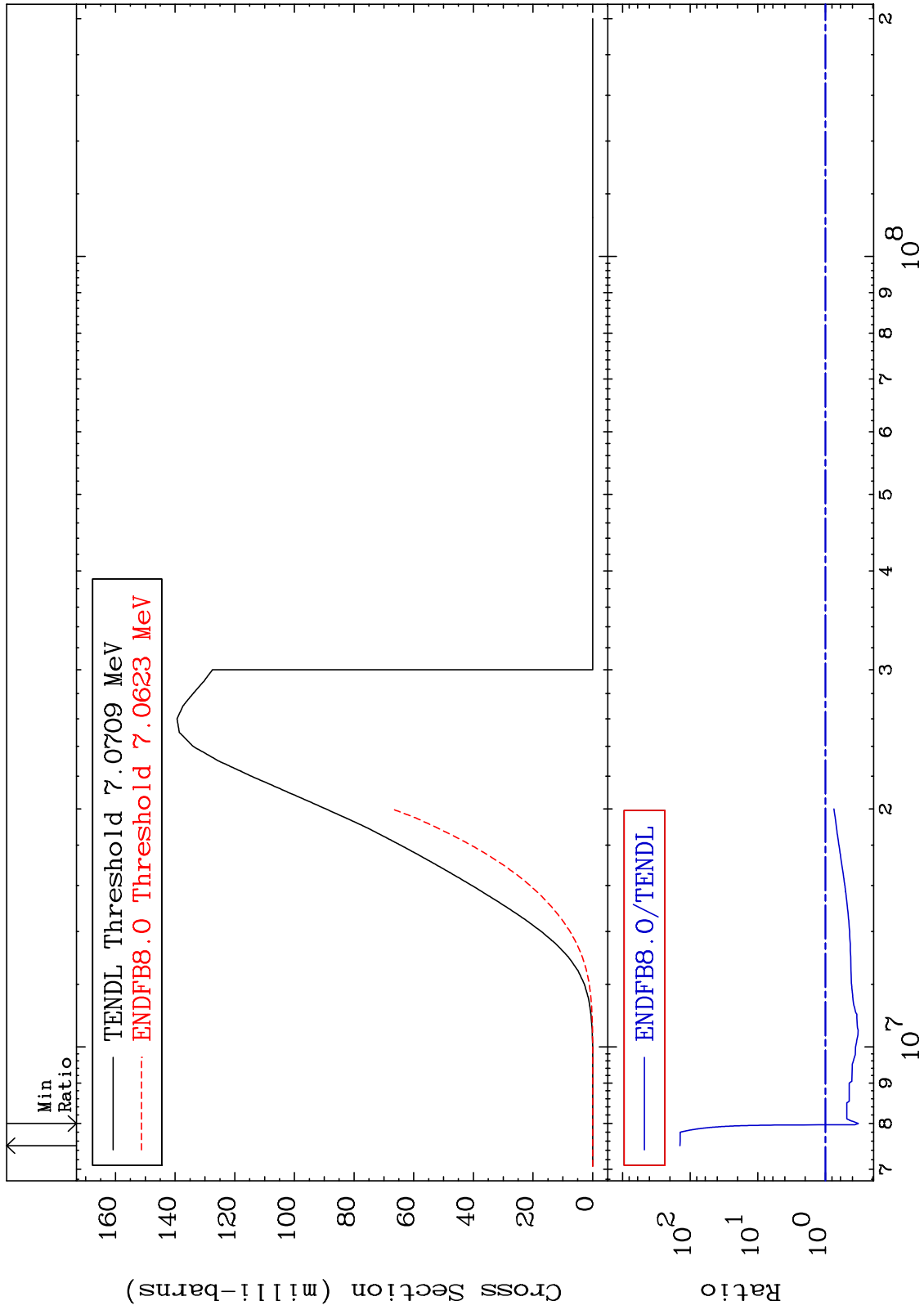
54-Xe-124

6

MAT 5425

(n,n') p  
Cross Section

54-Xe-124  
-67.38 To 9999. %



7

Incident Energy (eV)

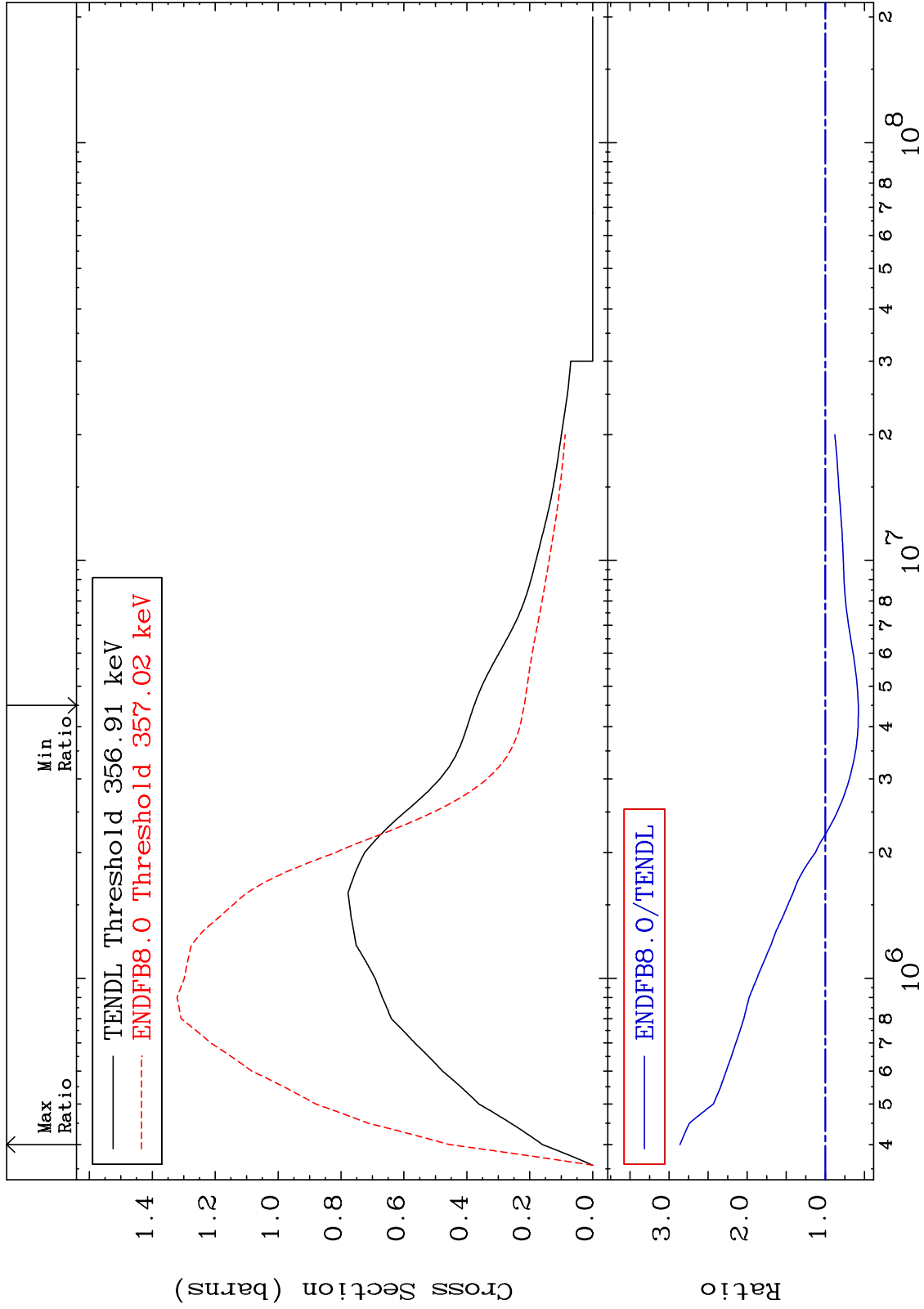
54-Xe-124



MAT 5425

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

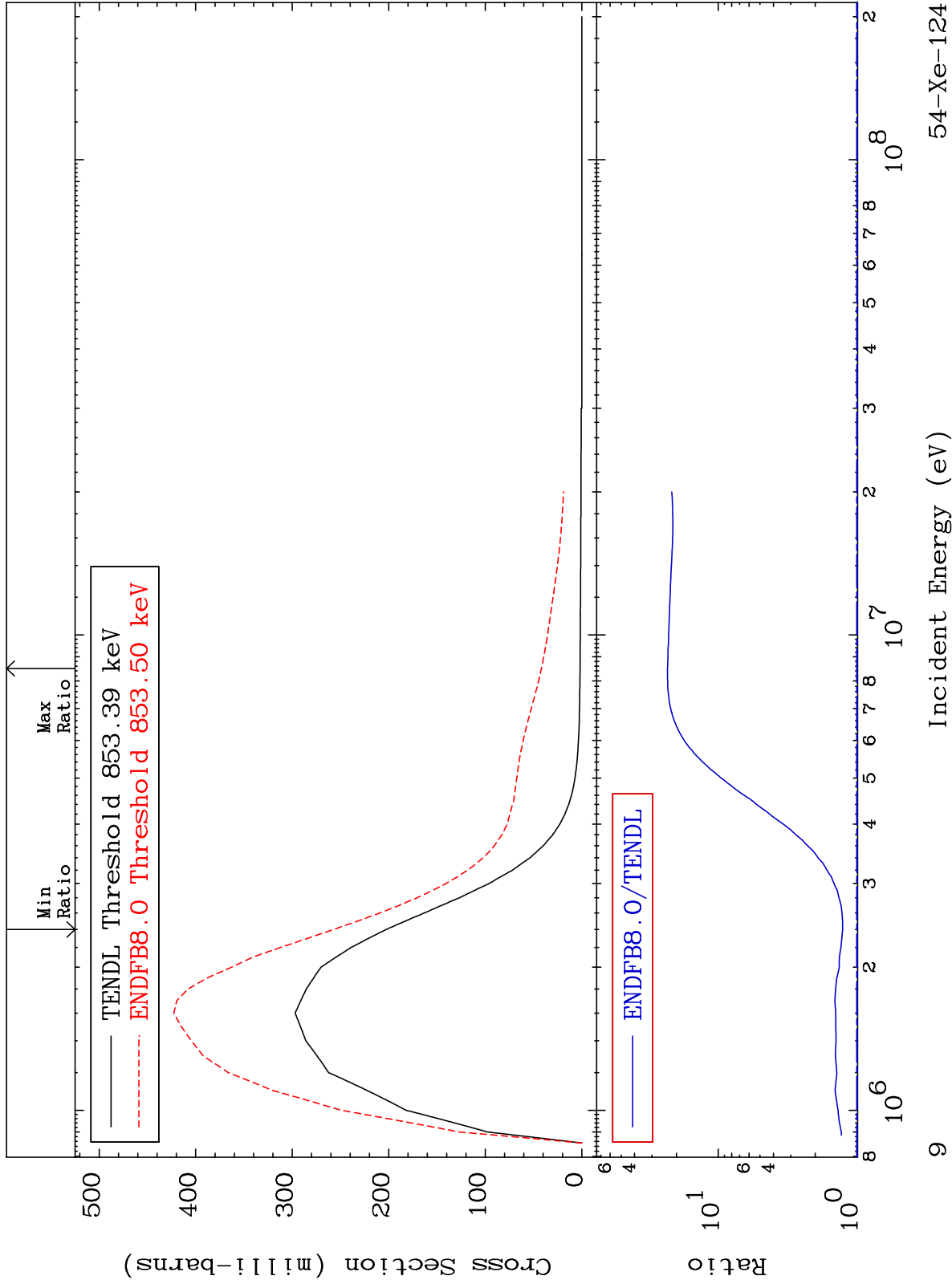
54-Xe-124  
-42.36 To 186.1 %



MAT 5425

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

54-Xe-124  
26.83 To 2216. %



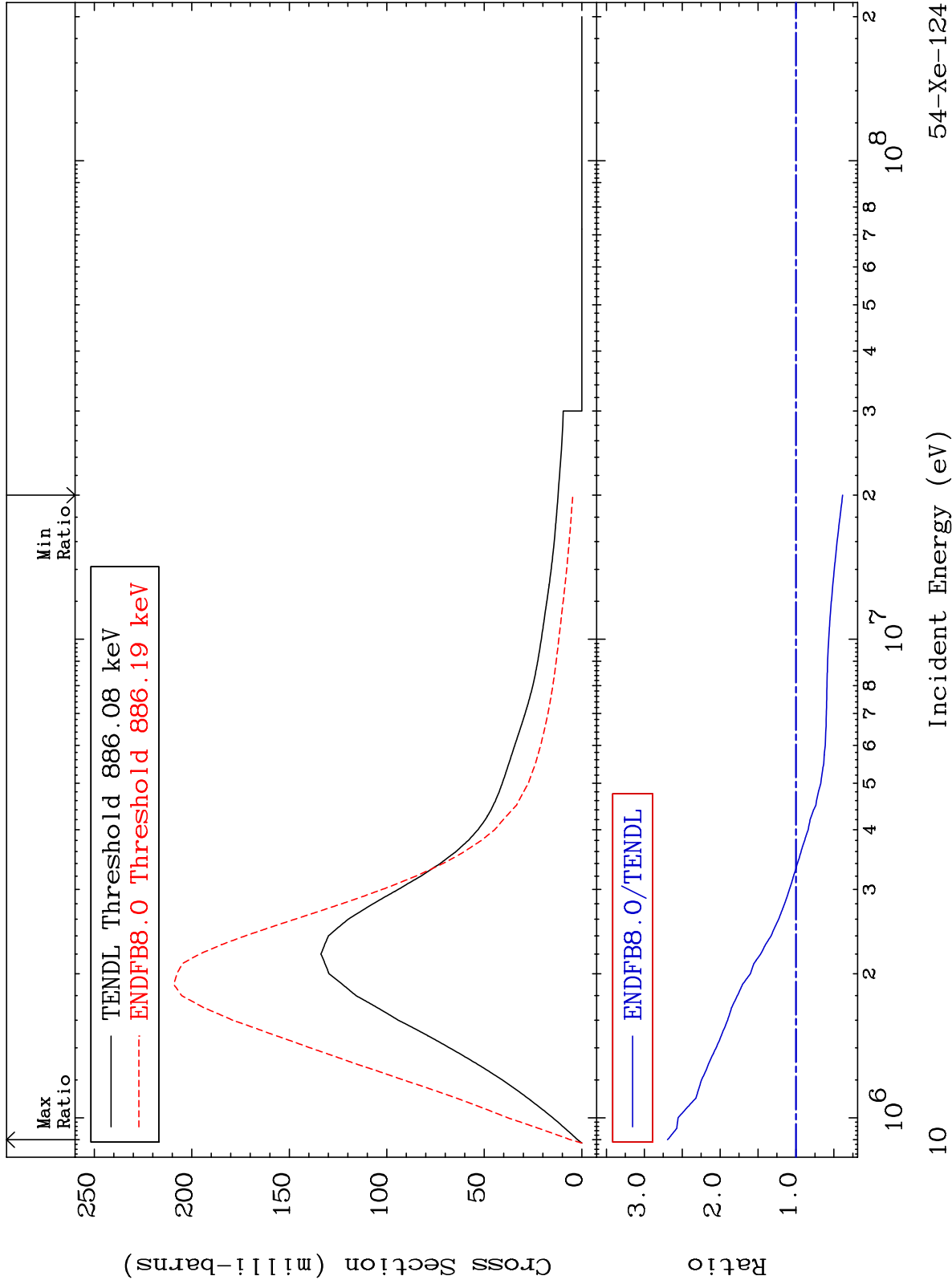
Incident Energy (eV)

54-Xe-124

MAT 5425

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

54-Xe-124  
-61.62 To 169.3 %

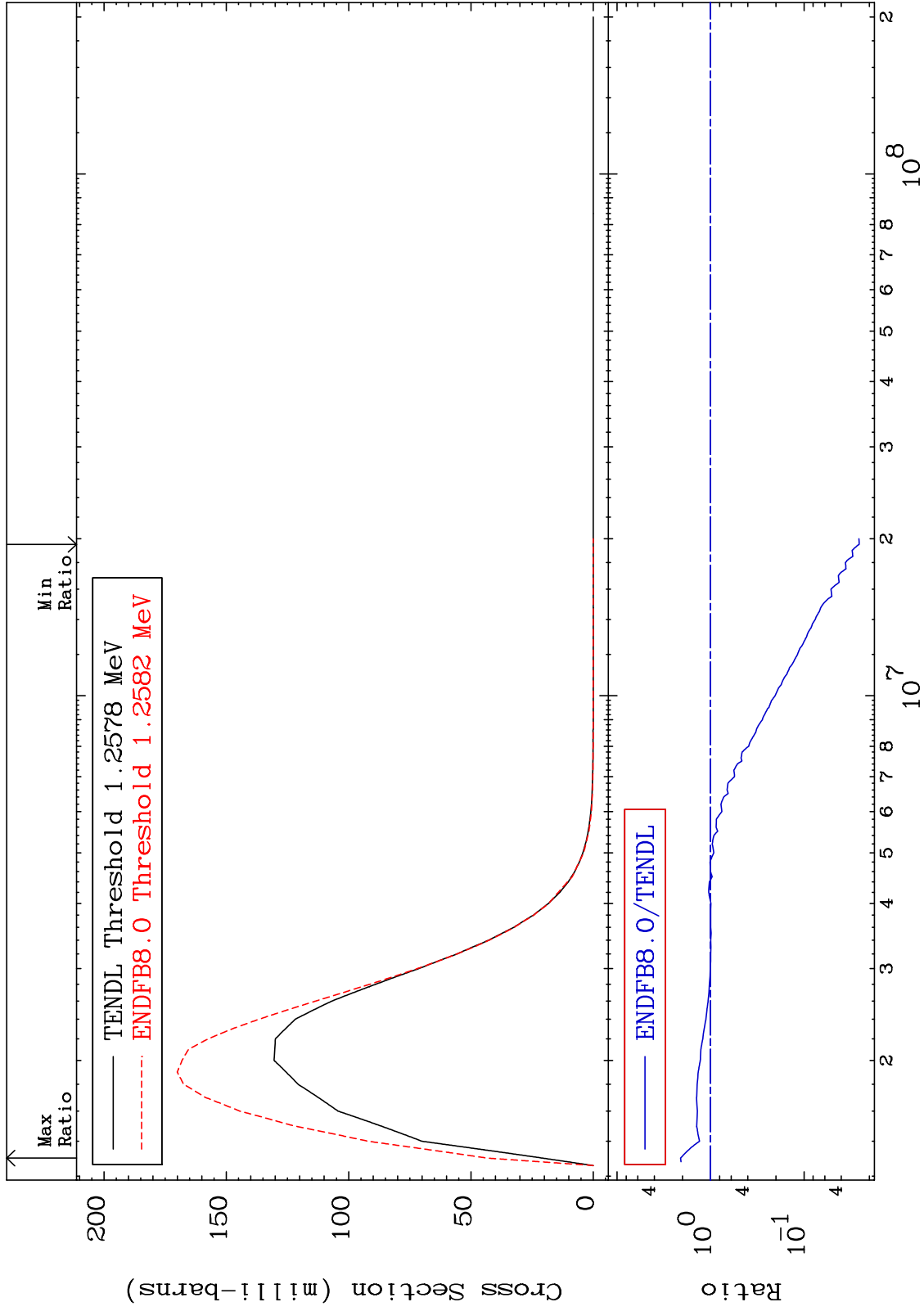


54-Xe-124

MAT 5425

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

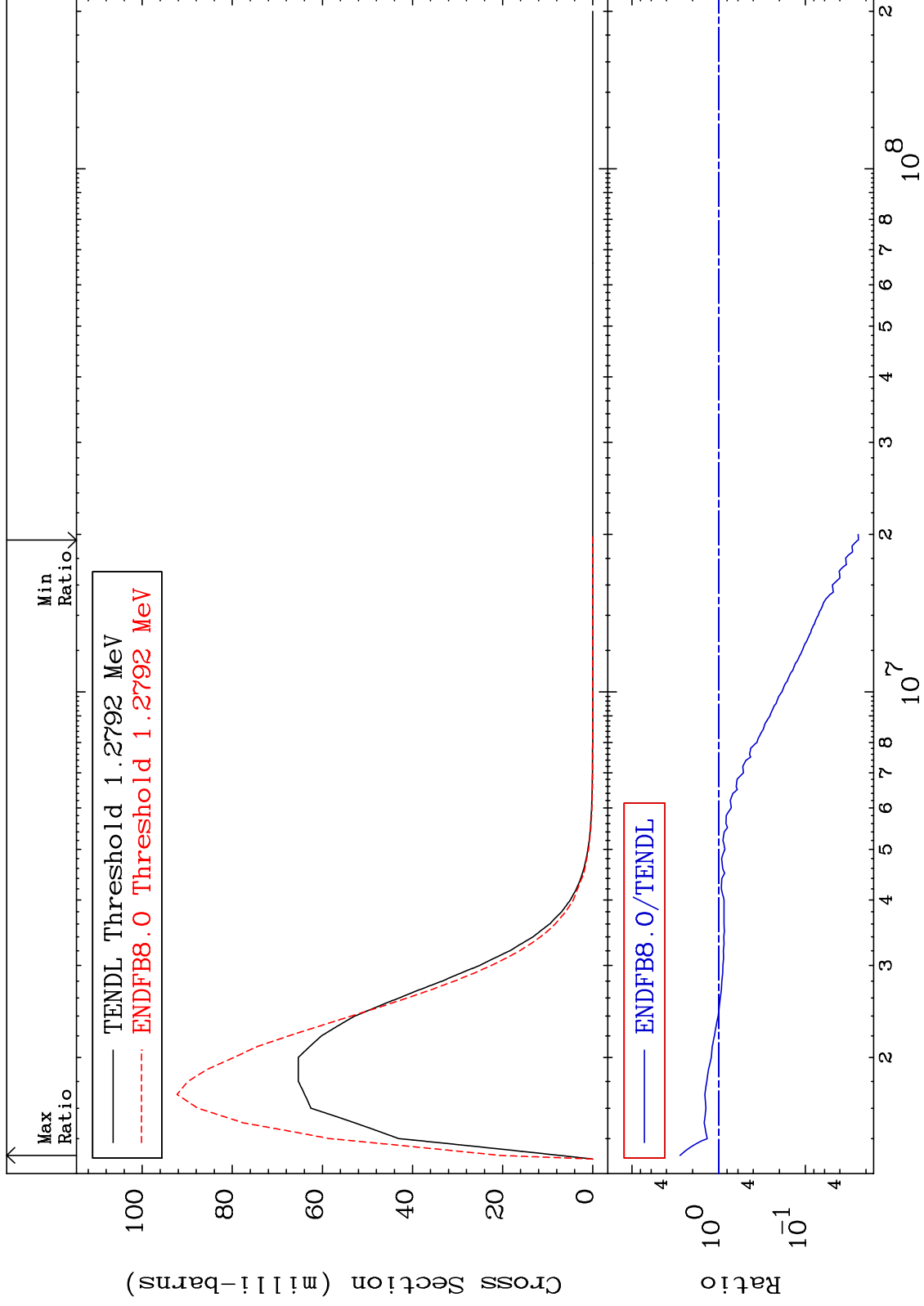
54-Xe-124  
-97.43 To 109.0 %



MAT 5425

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

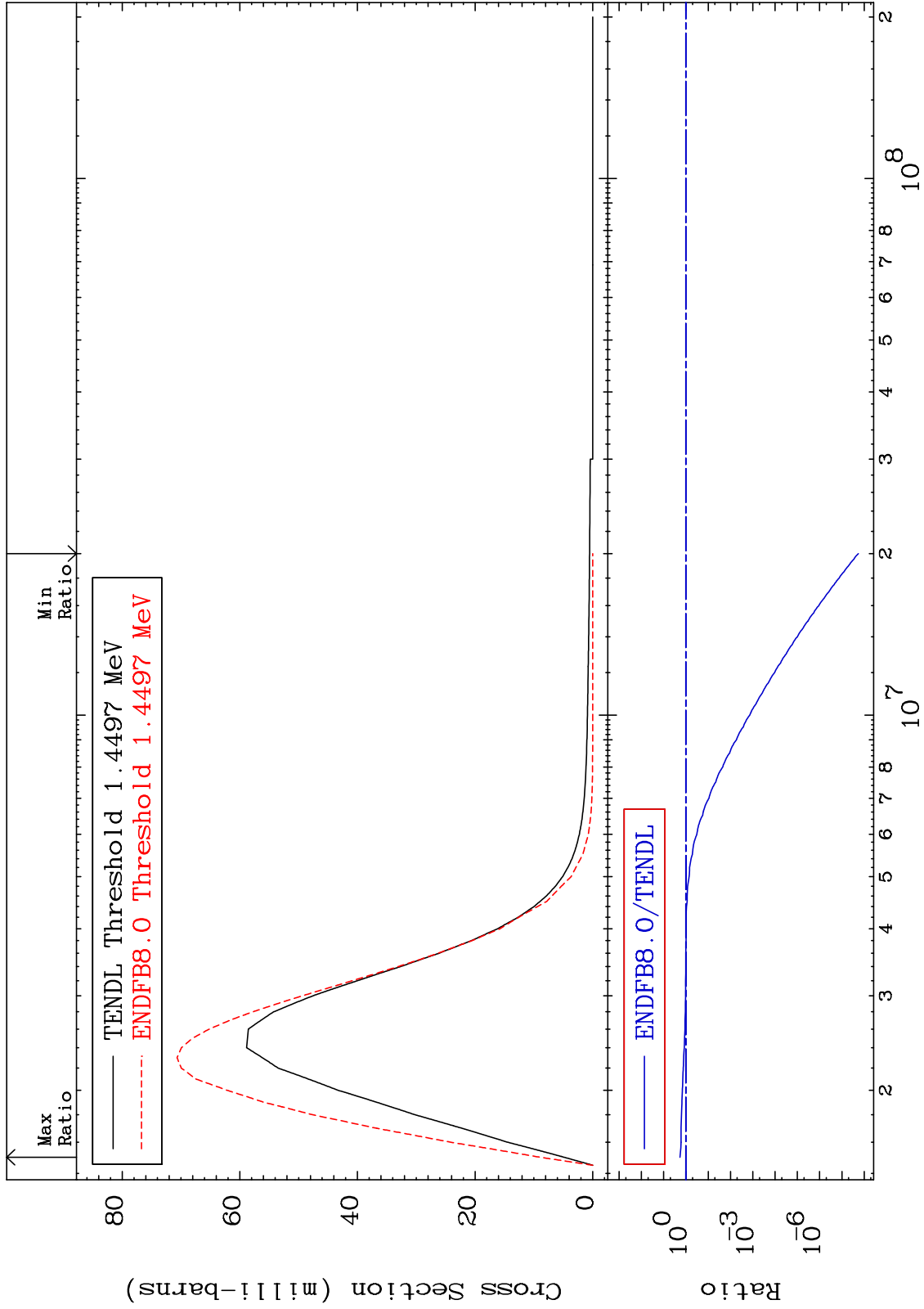
54-Xe-124  
-97.55 To 179.3 %



MAT 5425

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

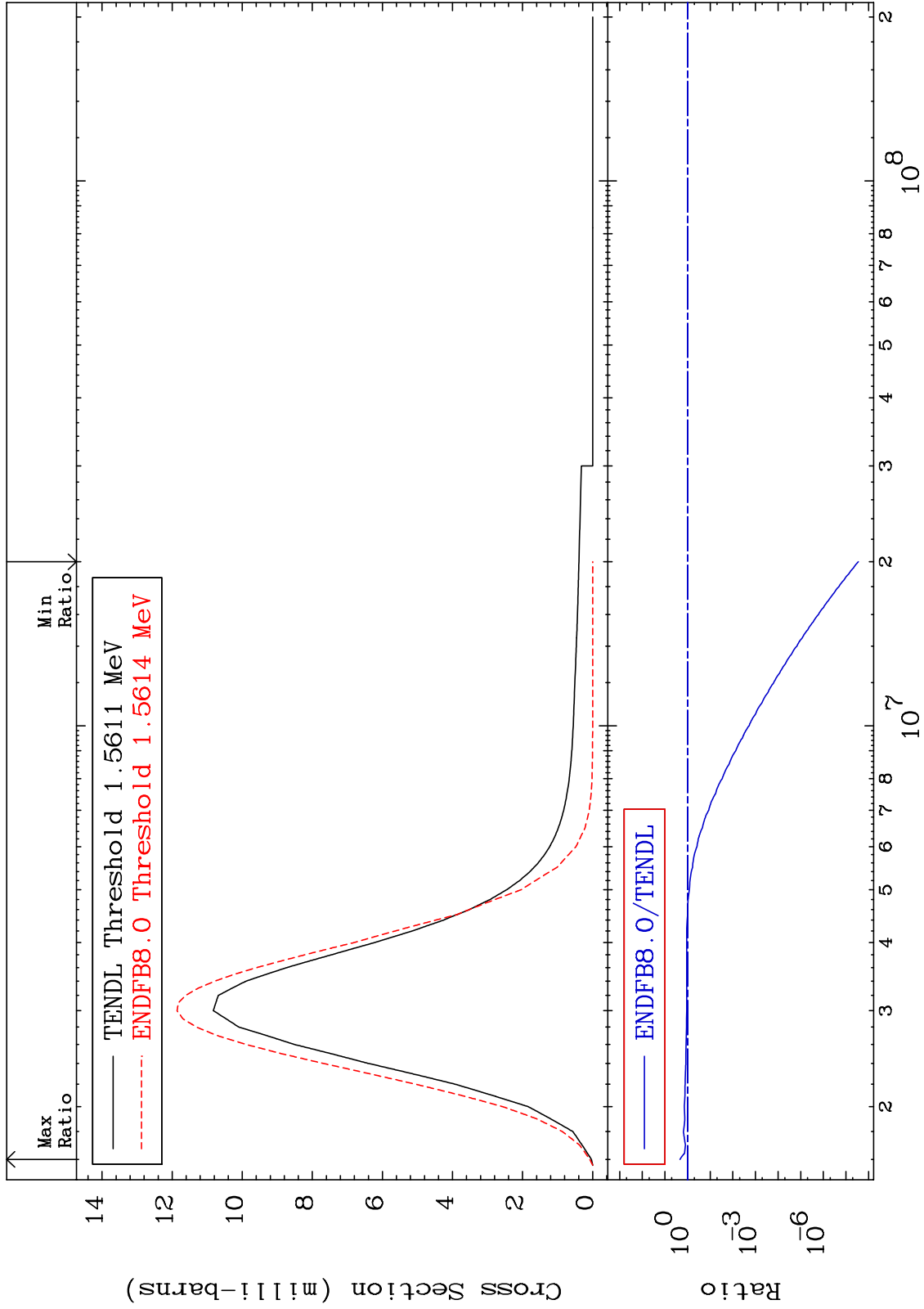
54-Xe-124  
-100.0 To 84.06 %



MAT 5425

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

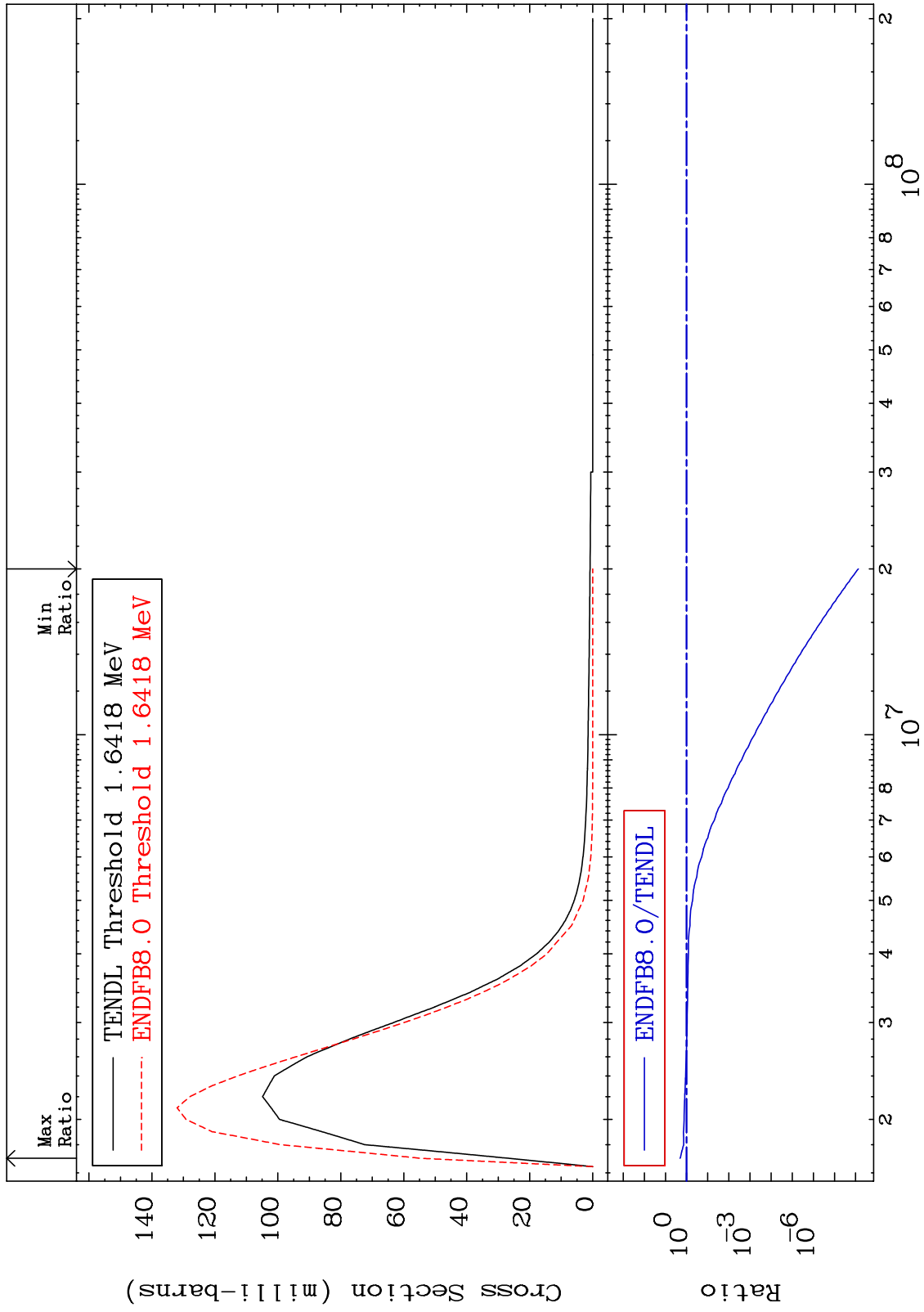
54-Xe-124  
-100.0 To 115.5 %



MAT 5425

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

54-Xe-124  
-100.0 To 104.5 %

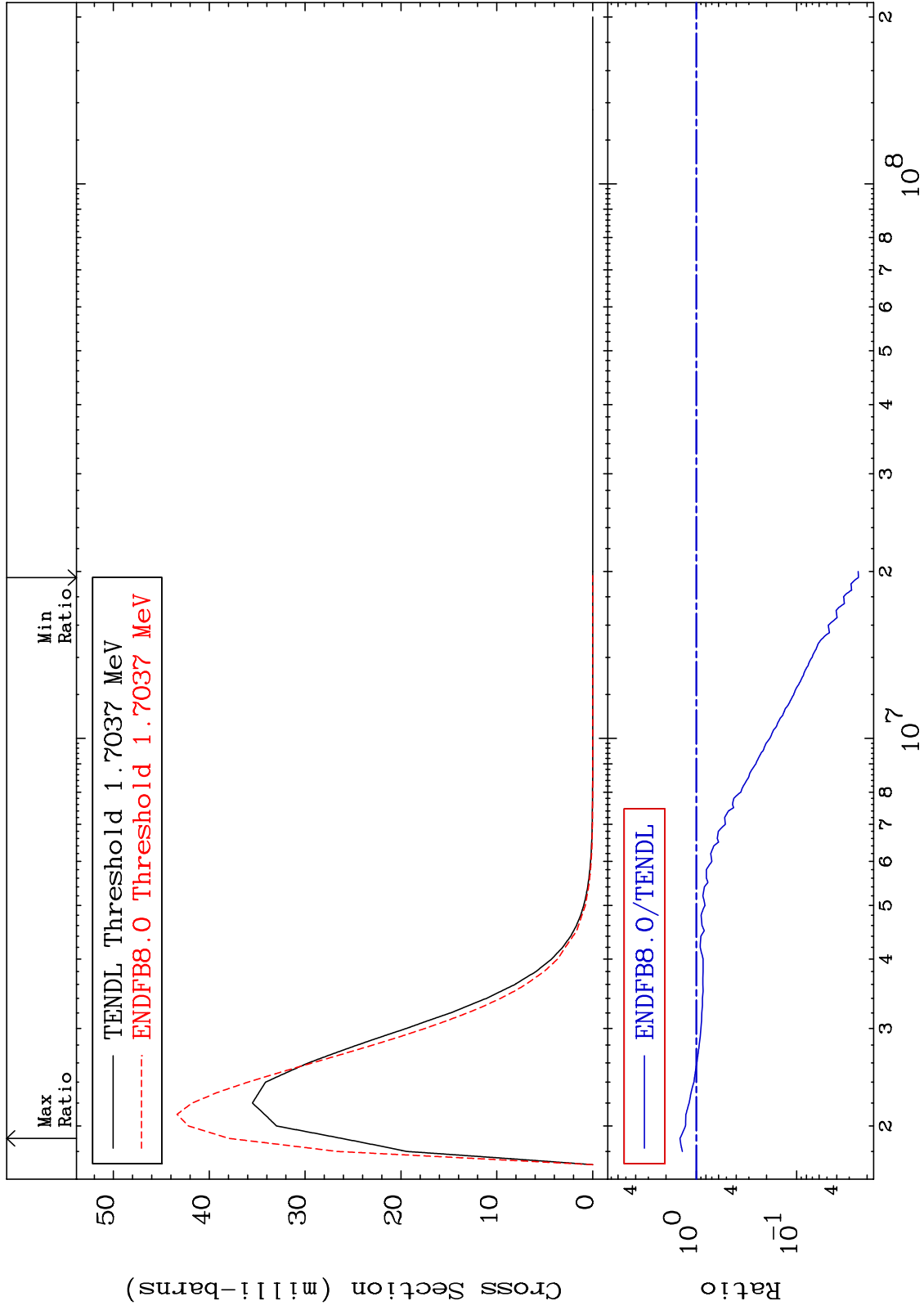




MAT 5425

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

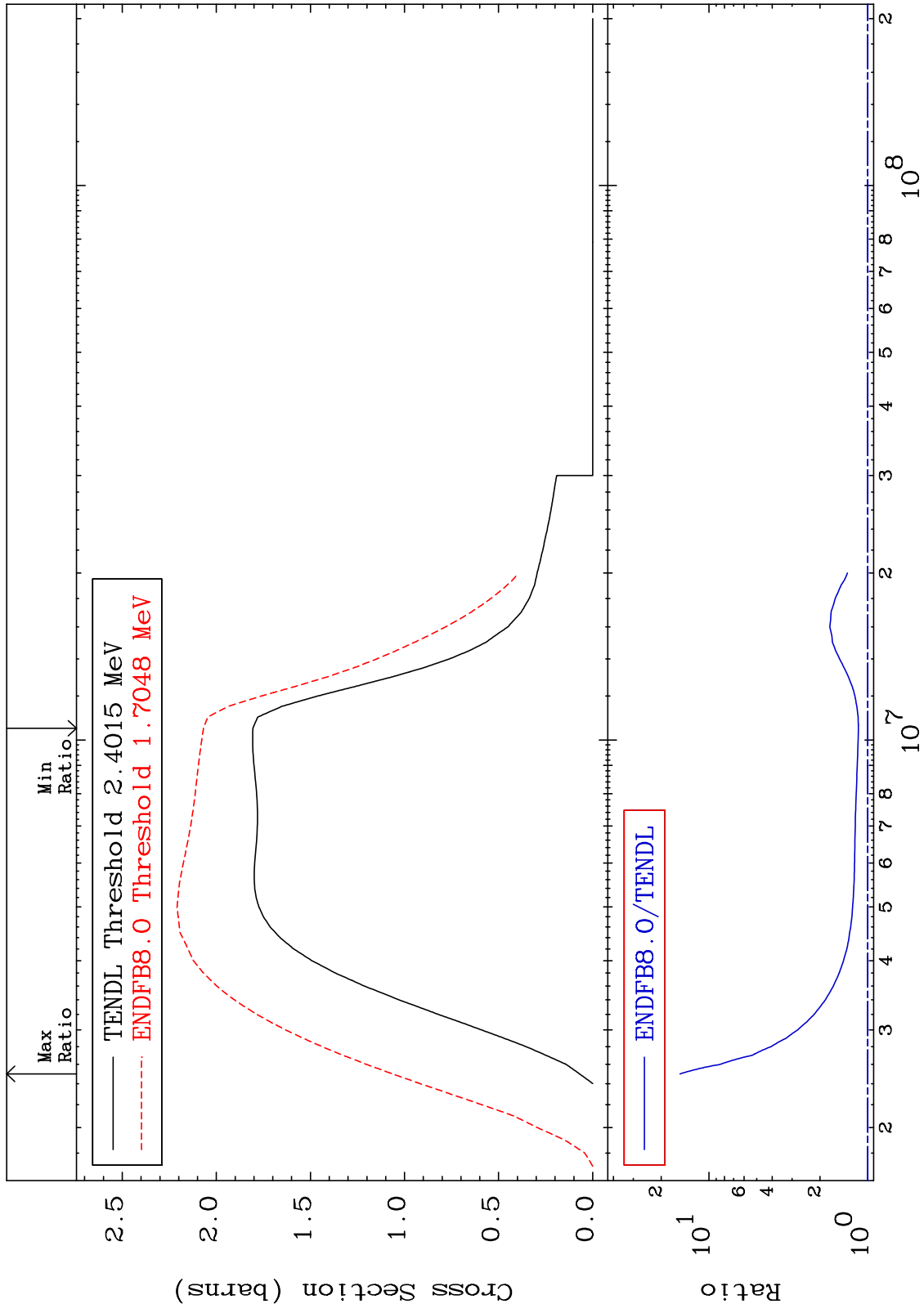
54-Xe-124  
-97.57 To 44.93 %



MAT 5425

(n,n') Continuum  
Cross Section

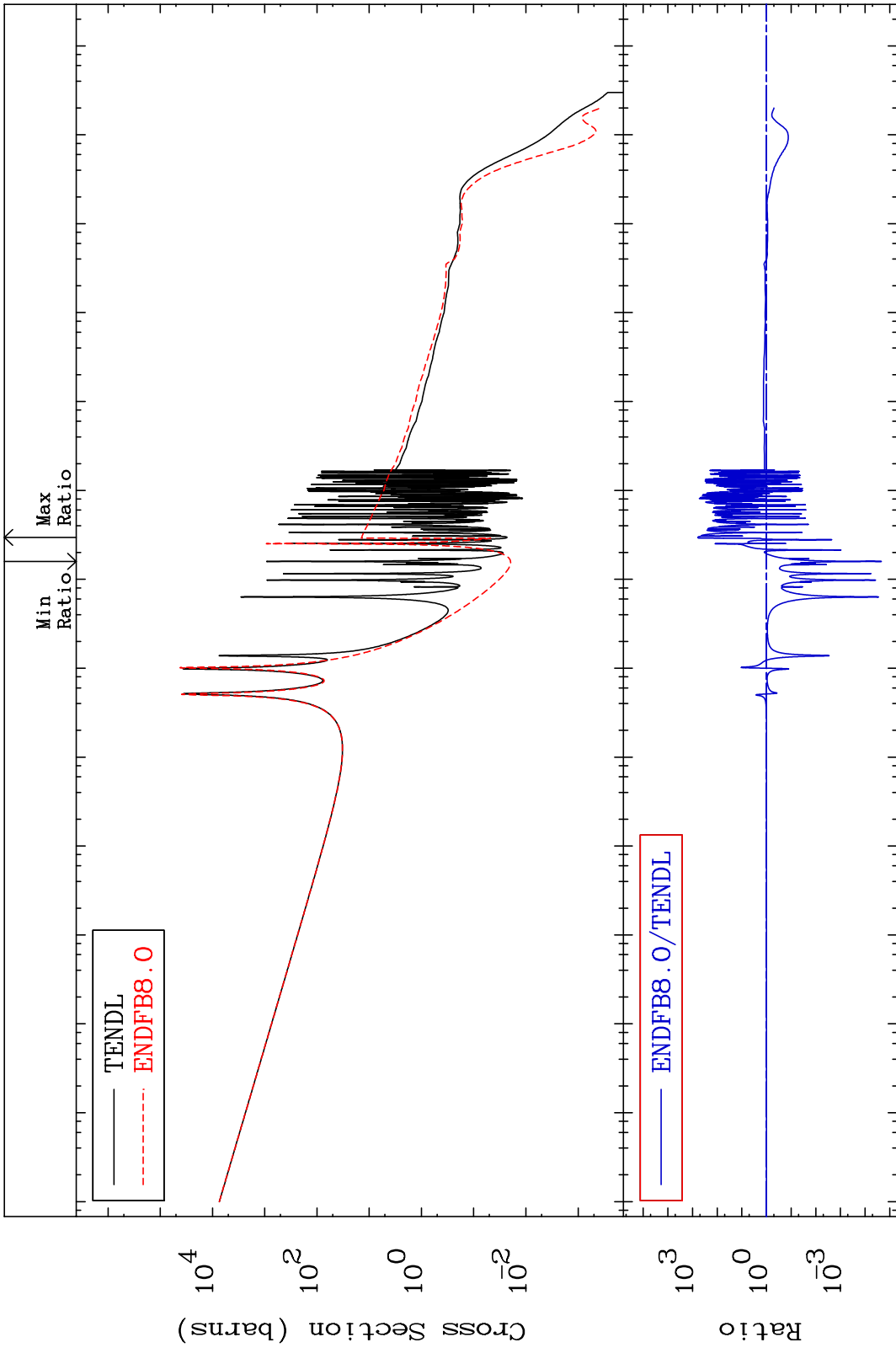
54-Xe-124  
14.51 To 1421. %



MAT 5425

(n,  $\gamma$ )  
Cross Section

54-Xe-124  
-100.0 To 9999. %



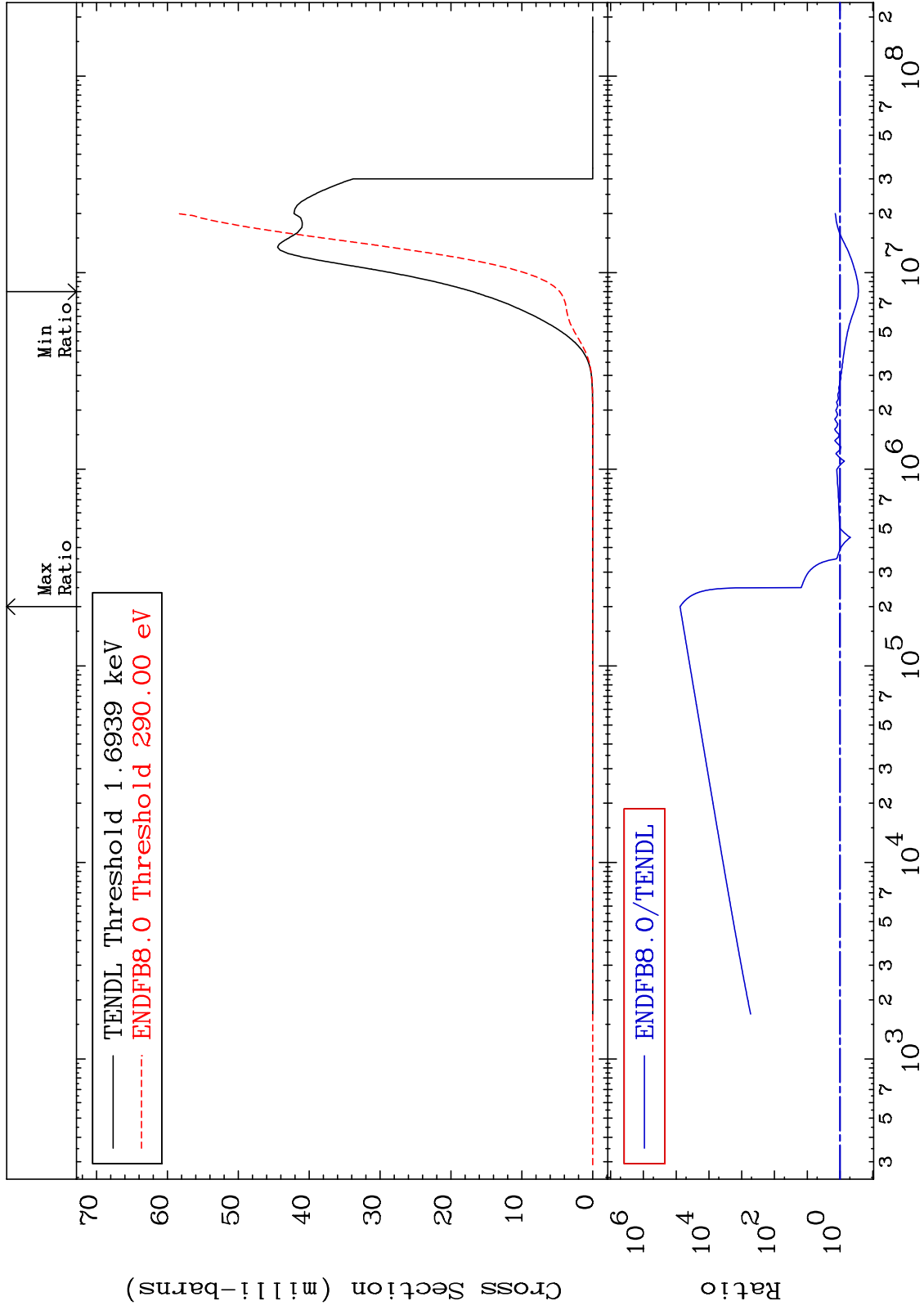
MAT 5425

(n, p)

54-Xe-124

Cross Section

-72.57 To 9999. %



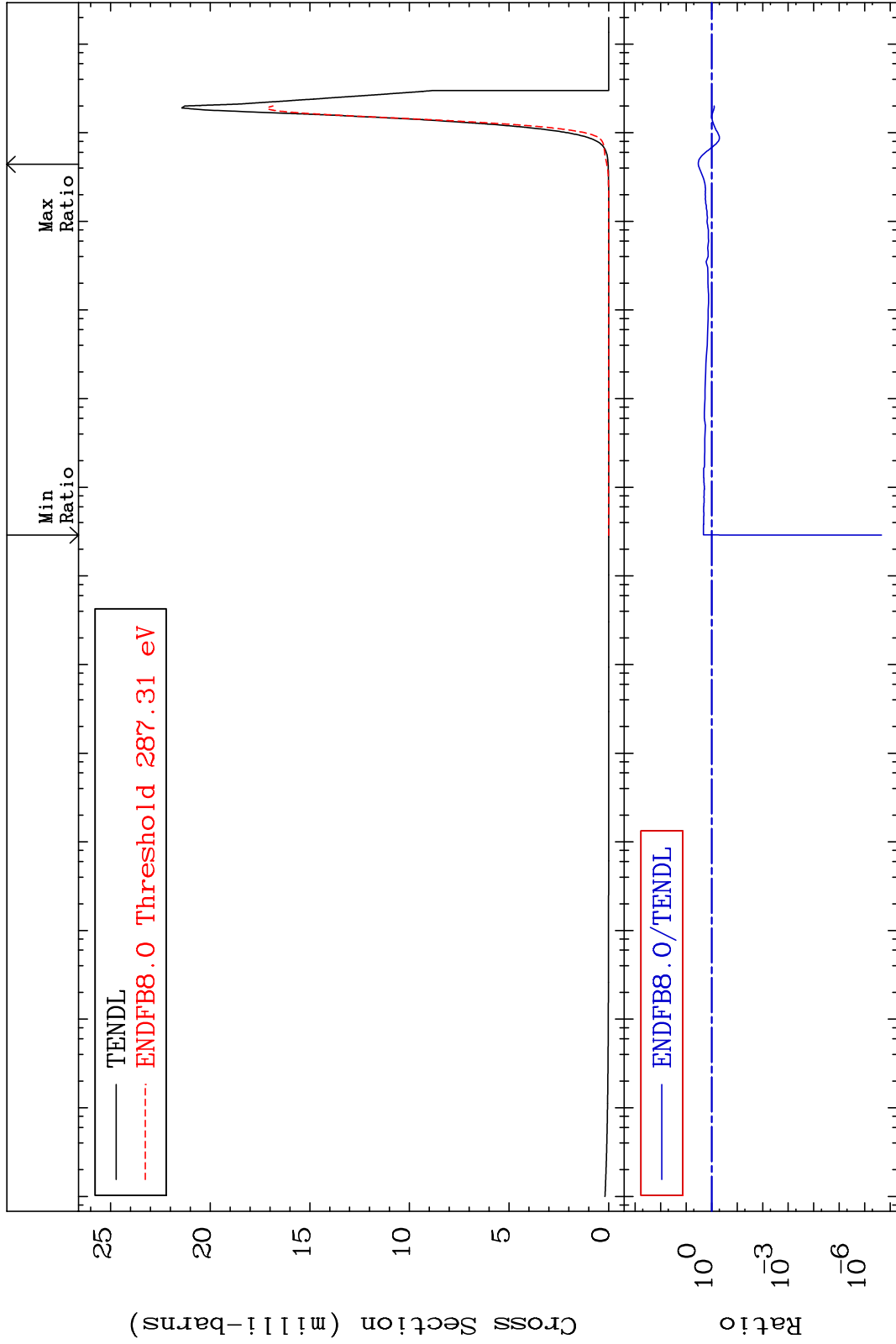
MAT 5425

(n,  $\alpha$ )

54-Xe-124

Cross Section

-100.0 To 232.1 %



Incident Energy (eV)

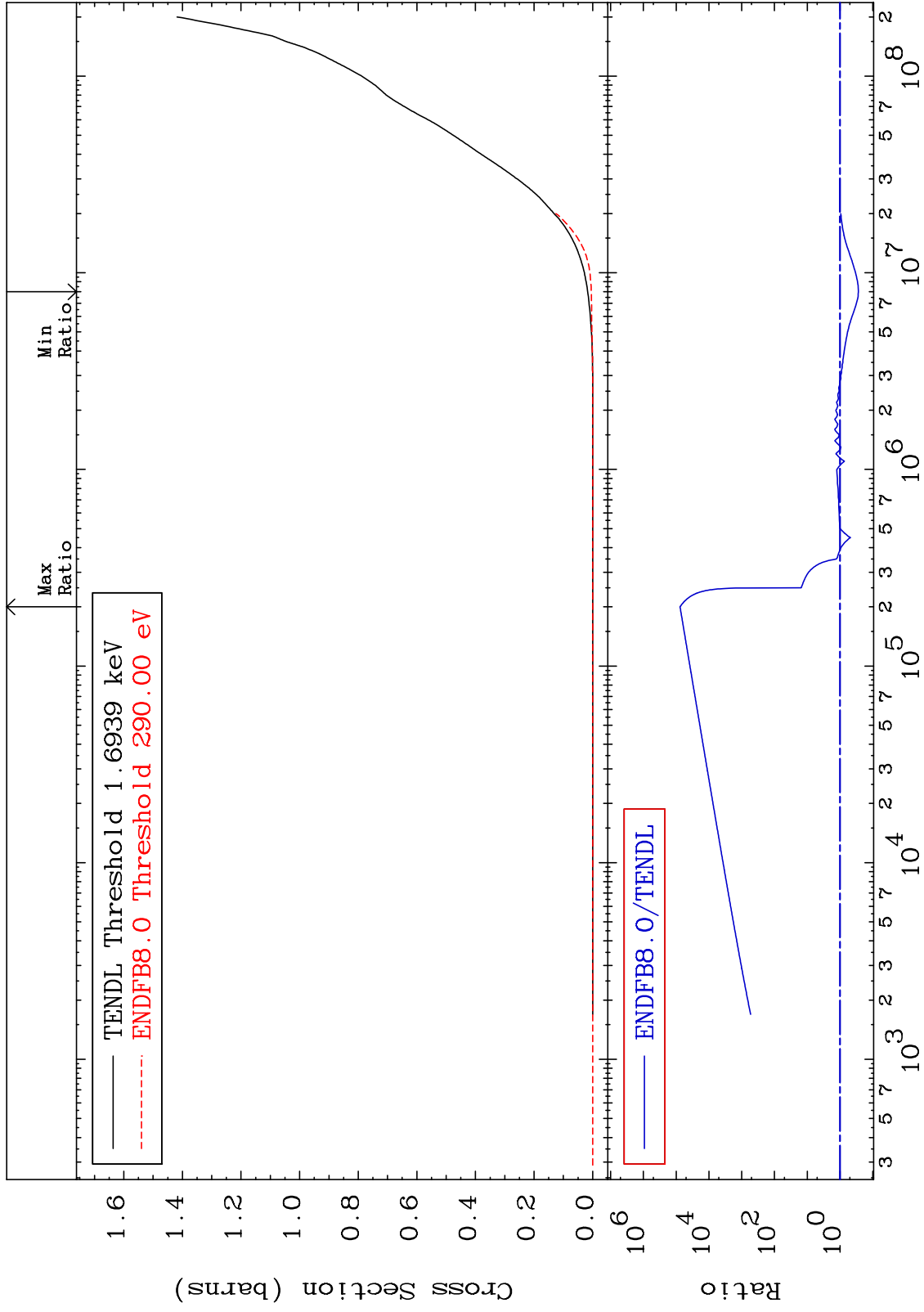
20

54-Xe-124

MAT 5425

Hydrogen Production  
Cross Section

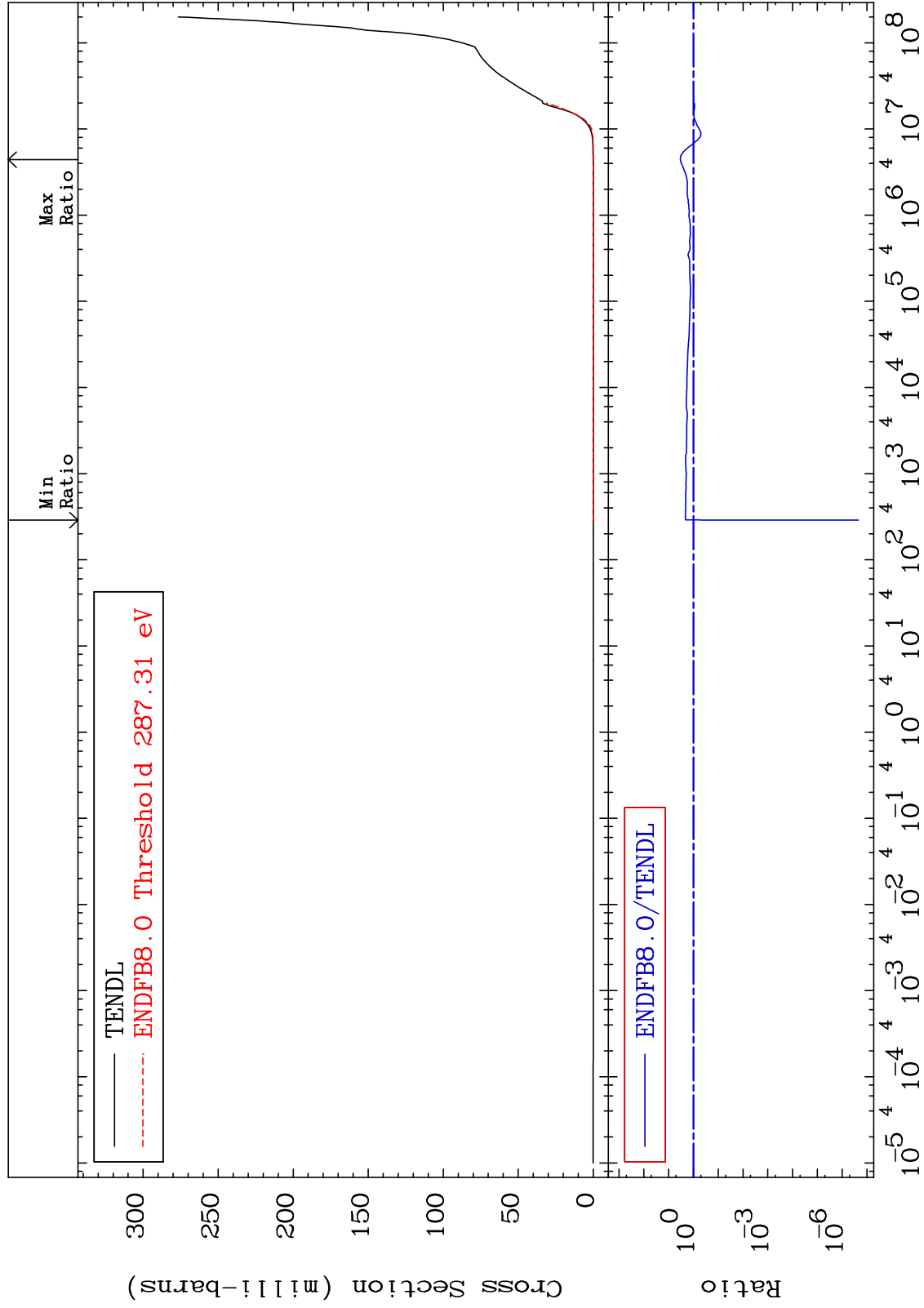
54-Xe-124  
-72.57 To 9999. %



MAT 5425

He-4 Production  
Cross Section

54-Xe-124  
-100.0 To 232.1 %



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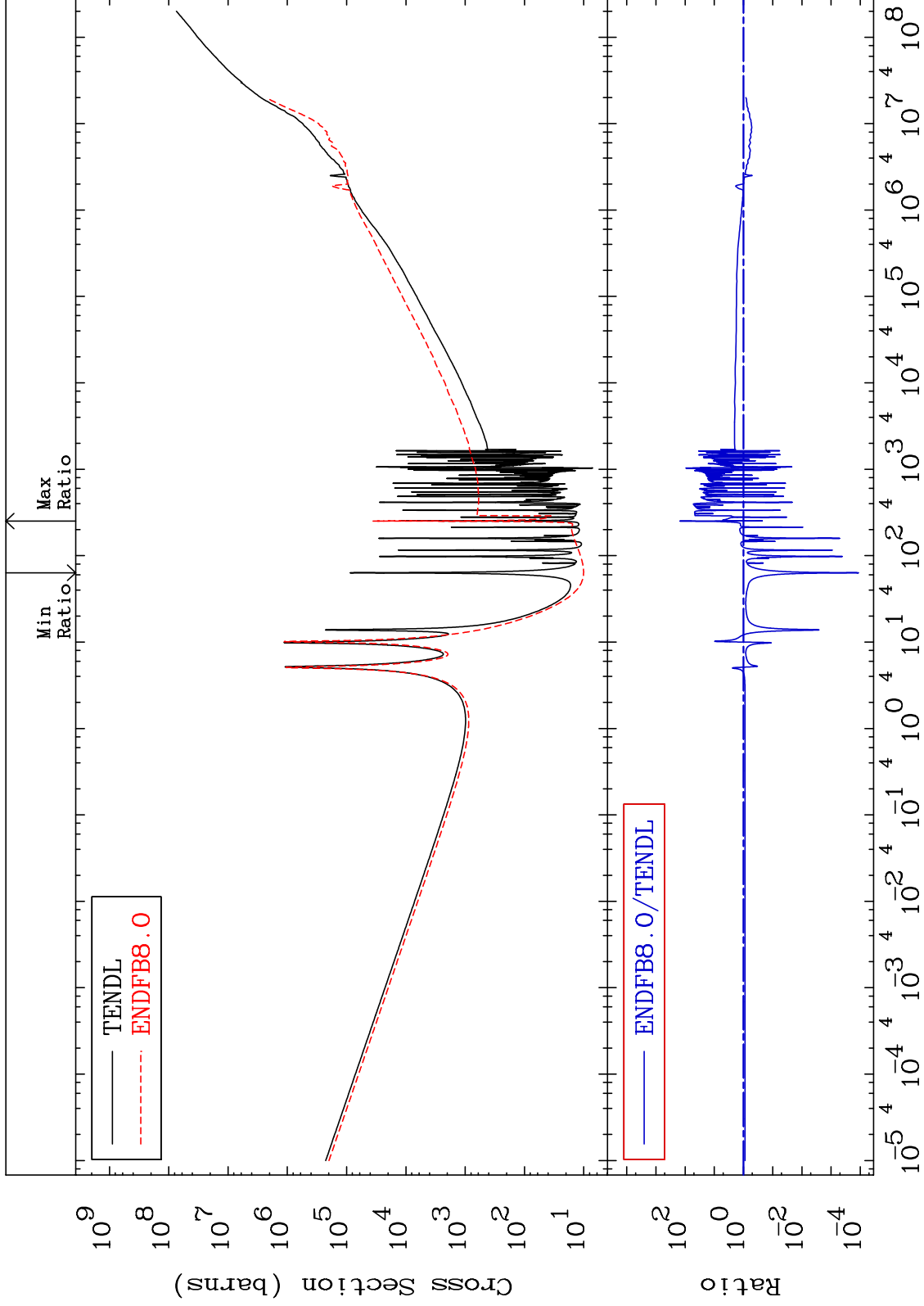
Incident Energy (eV)

54-Xe-124

MAT 5425

Kerma total (eV-barns)  
Cross Section

54-Xe-124  
-99.99 To 9999. %

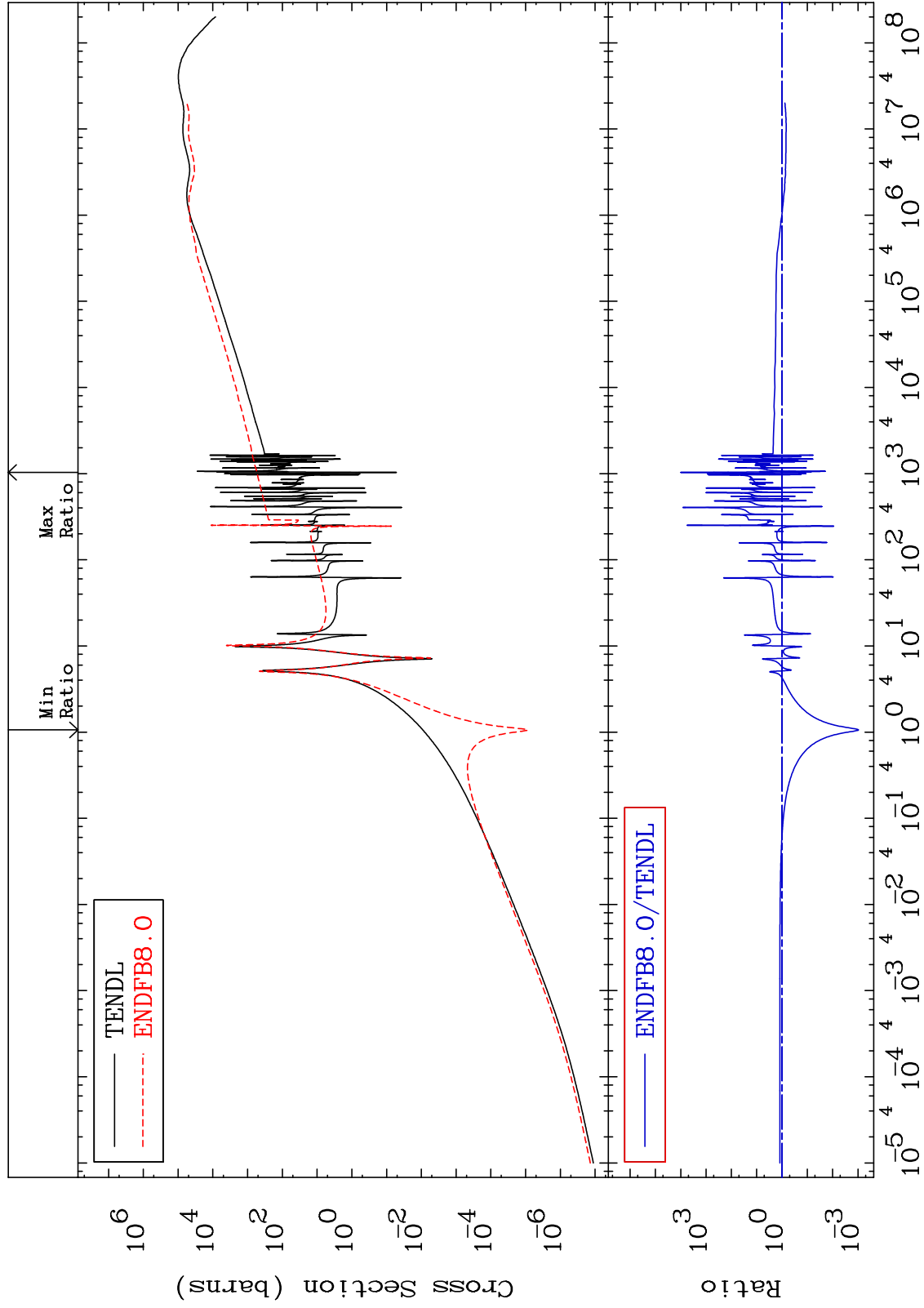




MAT 5425

Kerma elastic  
Cross Section

54-Xe-124  
-99.90 To 9999. %

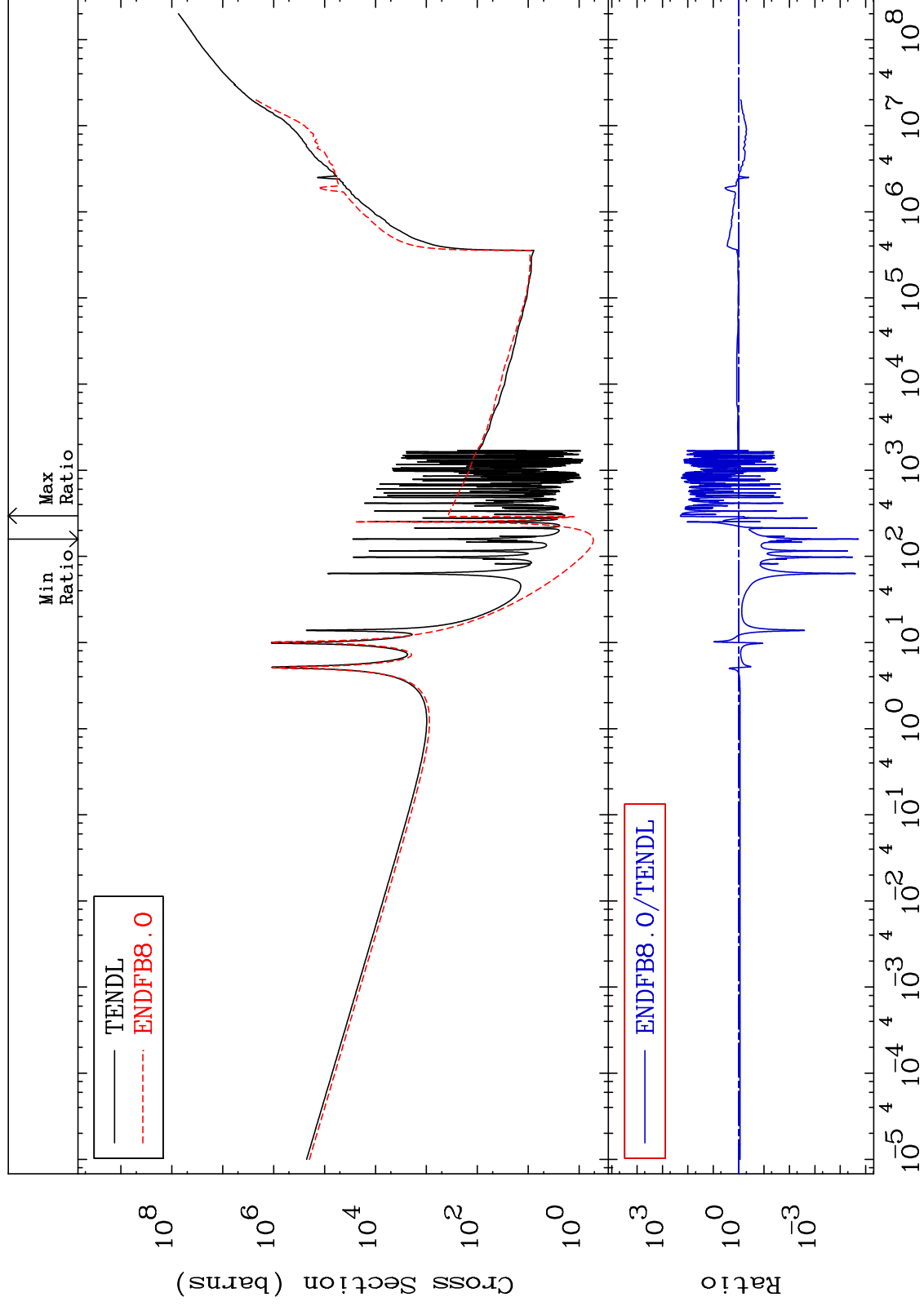


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Kerma non-elastic (all but mt2)

54-Xe-124

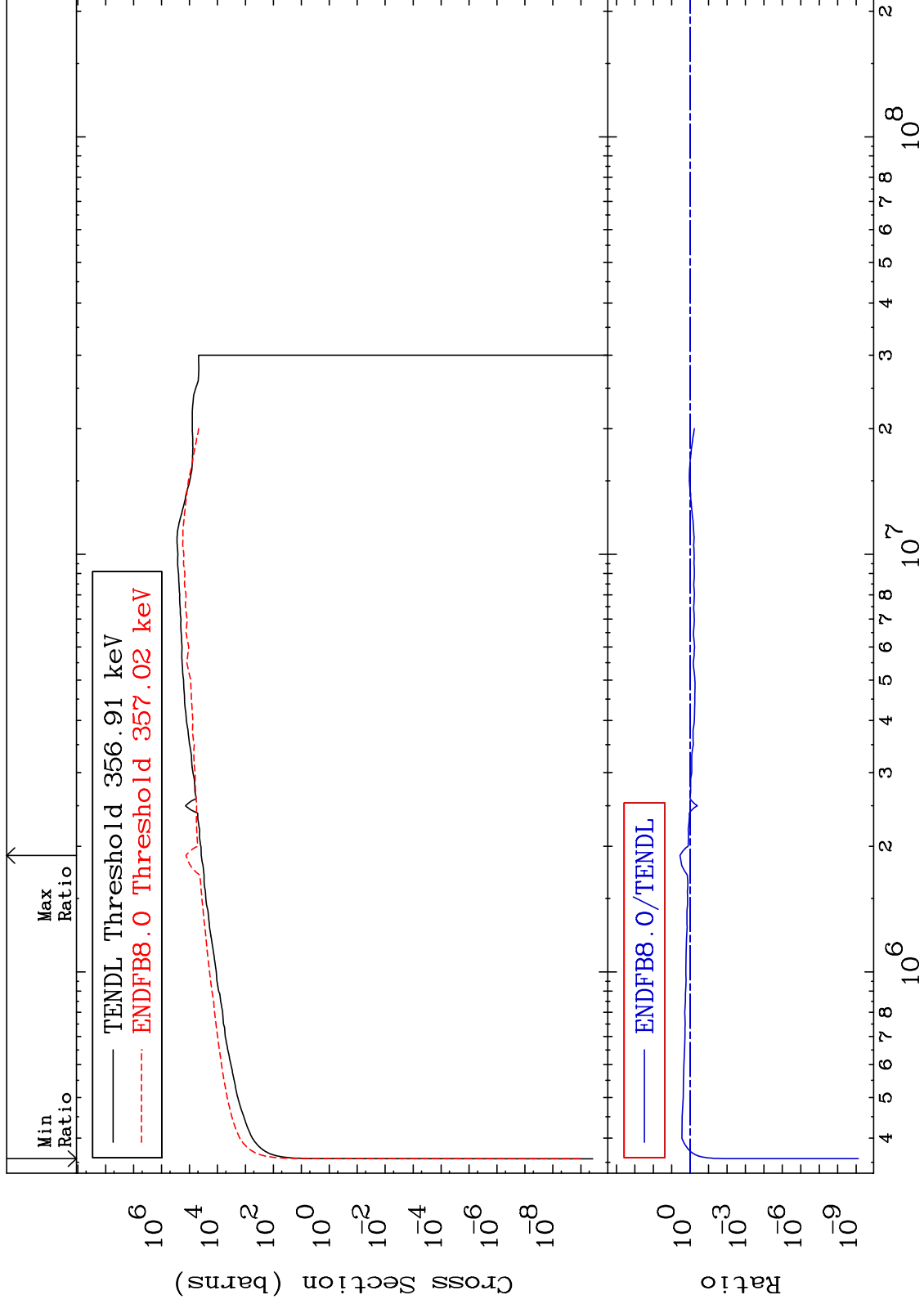
-100.0 To 9999. %



MAT 5425

Kerma inelastic (mt51-91)  
Cross Section

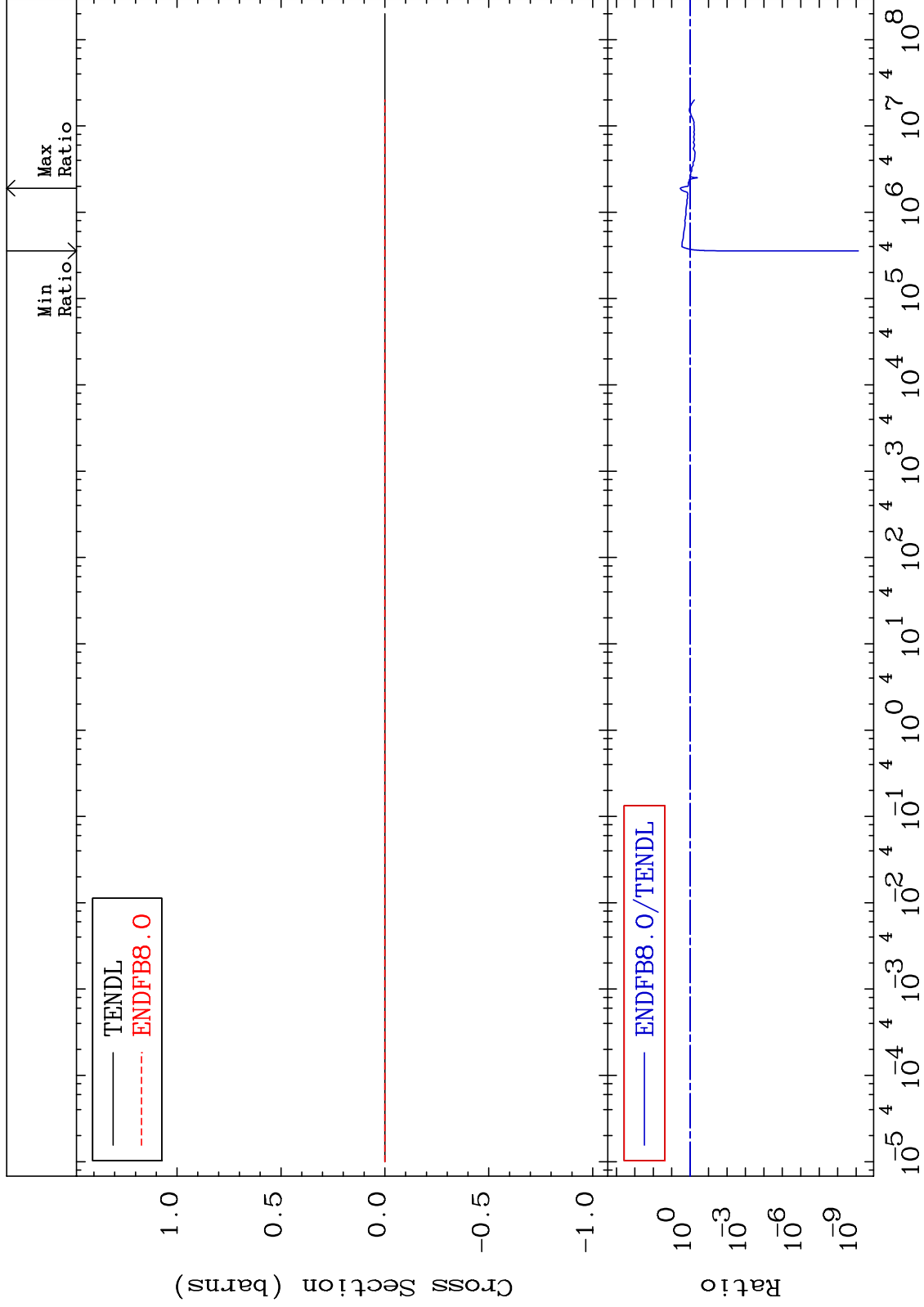
54-Xe-124  
-100.0 To 254.8 %



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

54-Xe-124  
-100.0 To 254.8 %



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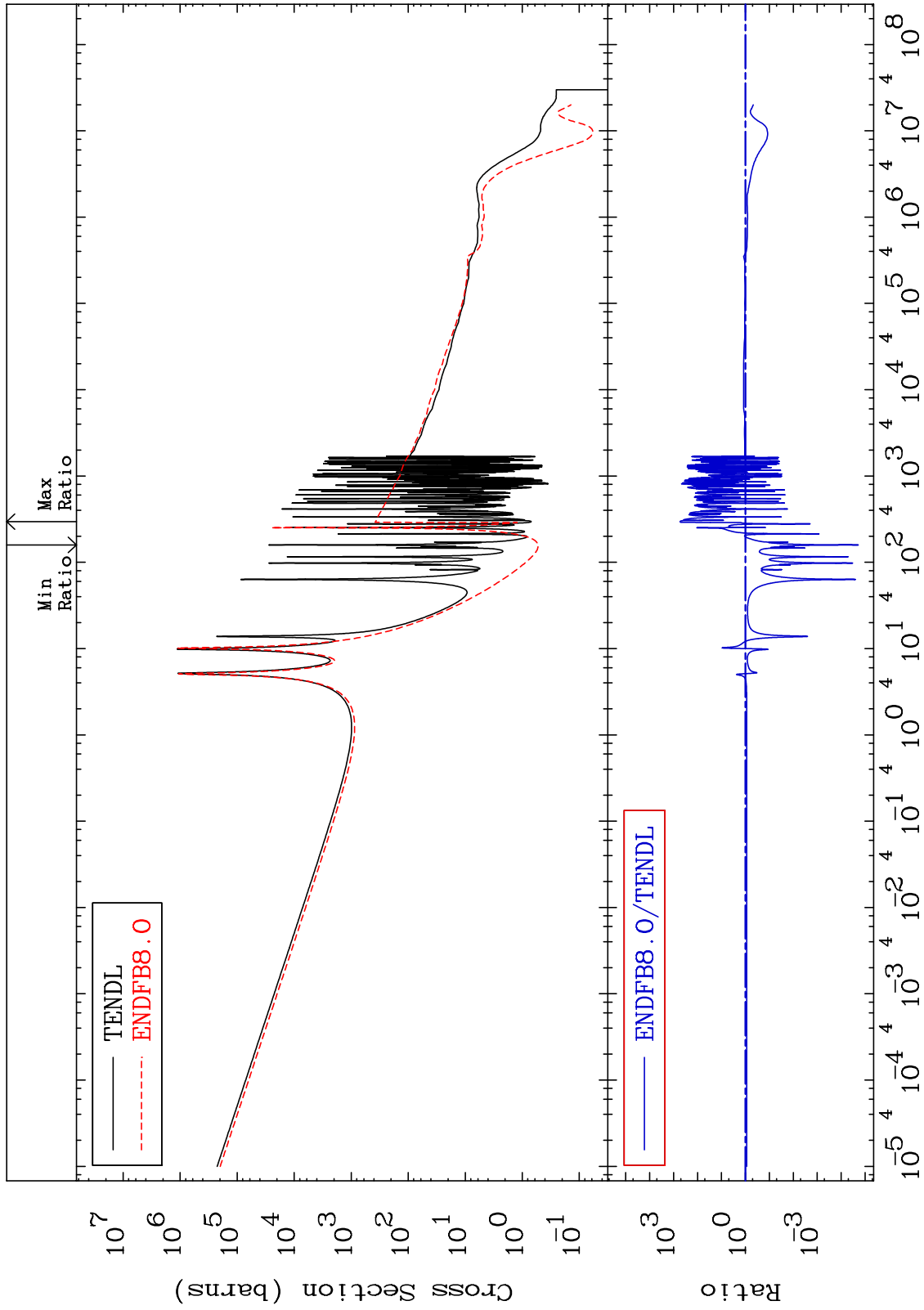
Incident Energy (eV)

54-Xe-124

MAT 5425

Kerma capture (mt102)  
Cross Section

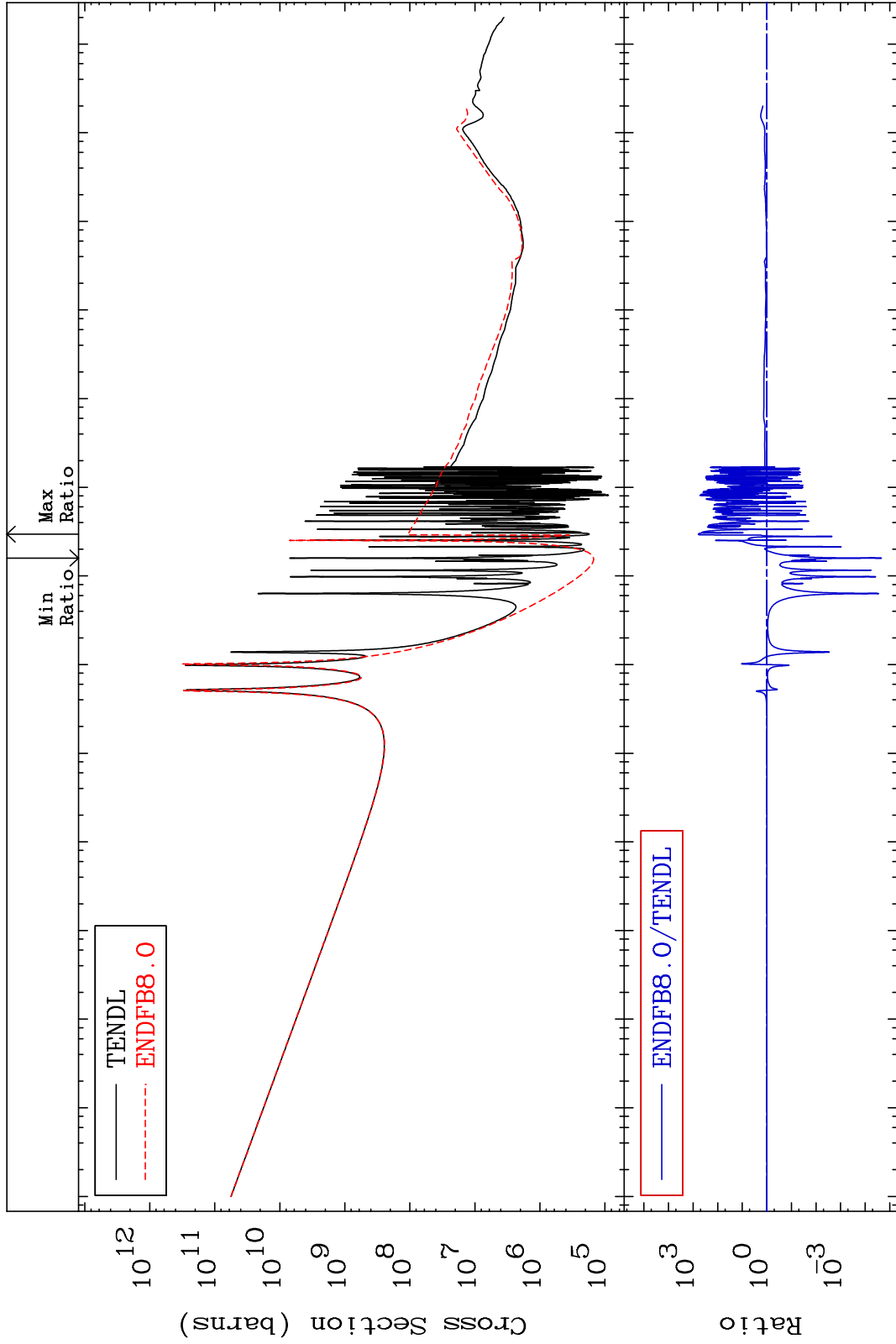
54-Xe-124  
-100.0 To 9999. %



MAT 5425

Total photon (eV-barns)  
Cross Section

54-Xe-124  
-100.0 To 9999. %



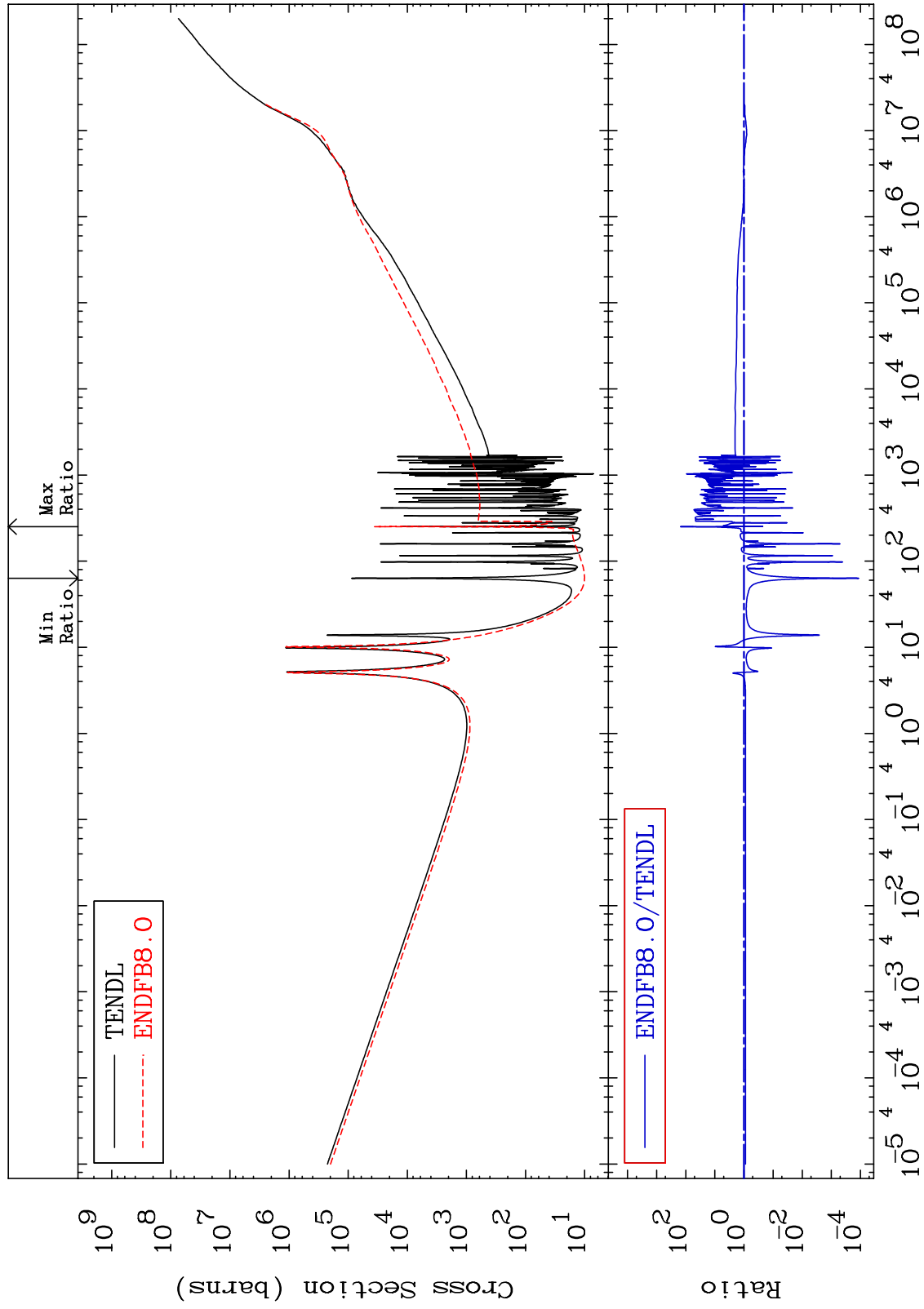
MAT 5425

Total kinematic kerma (high limit)

54-Xe-124

-99.99 To 9999. %

Cross Section



30

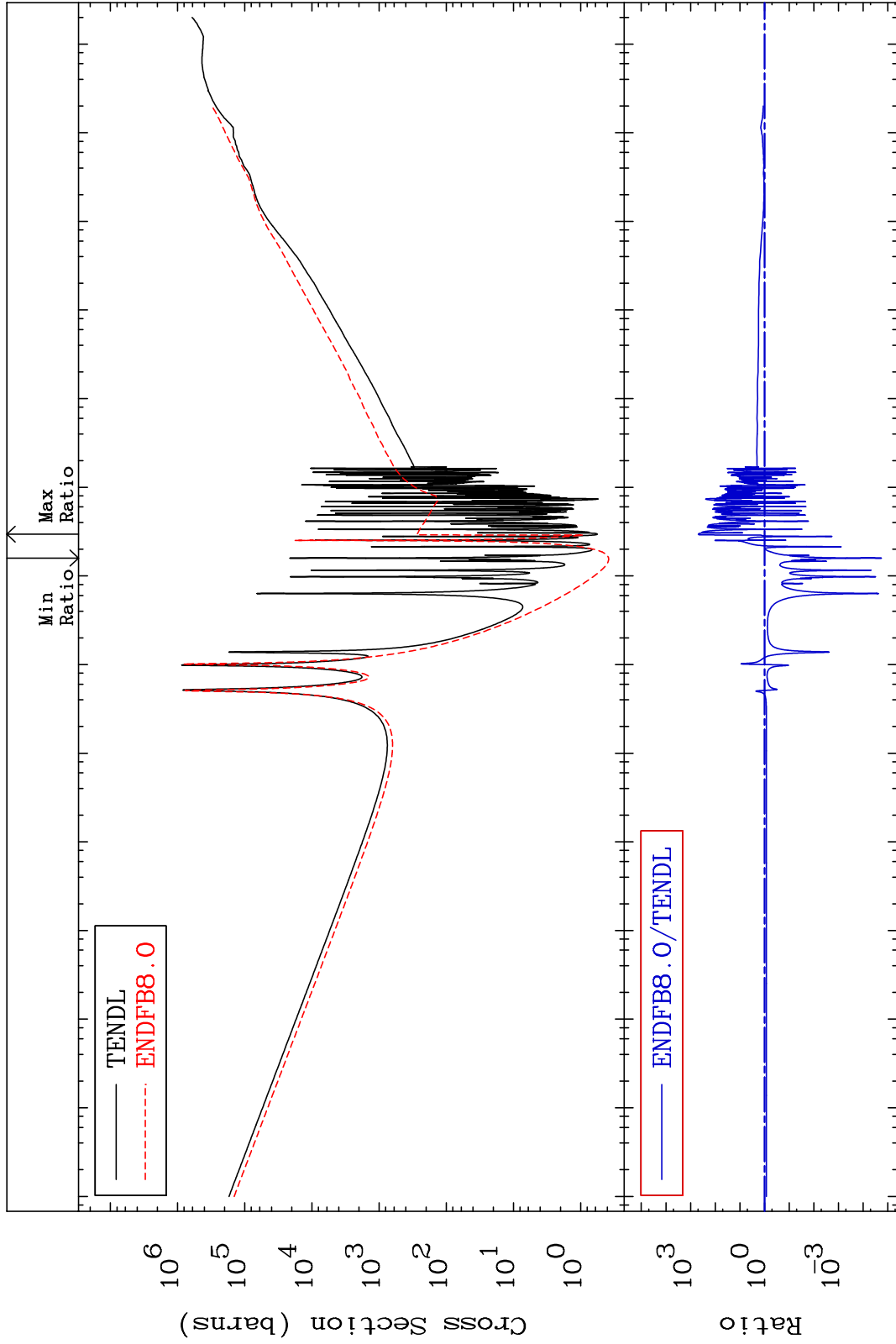
Incident Energy (eV)

54-Xe-124

MAT 5425

Dpa total (eV-barns)  
Cross Section

54-Xe-124  
-100.0 To 9999. %

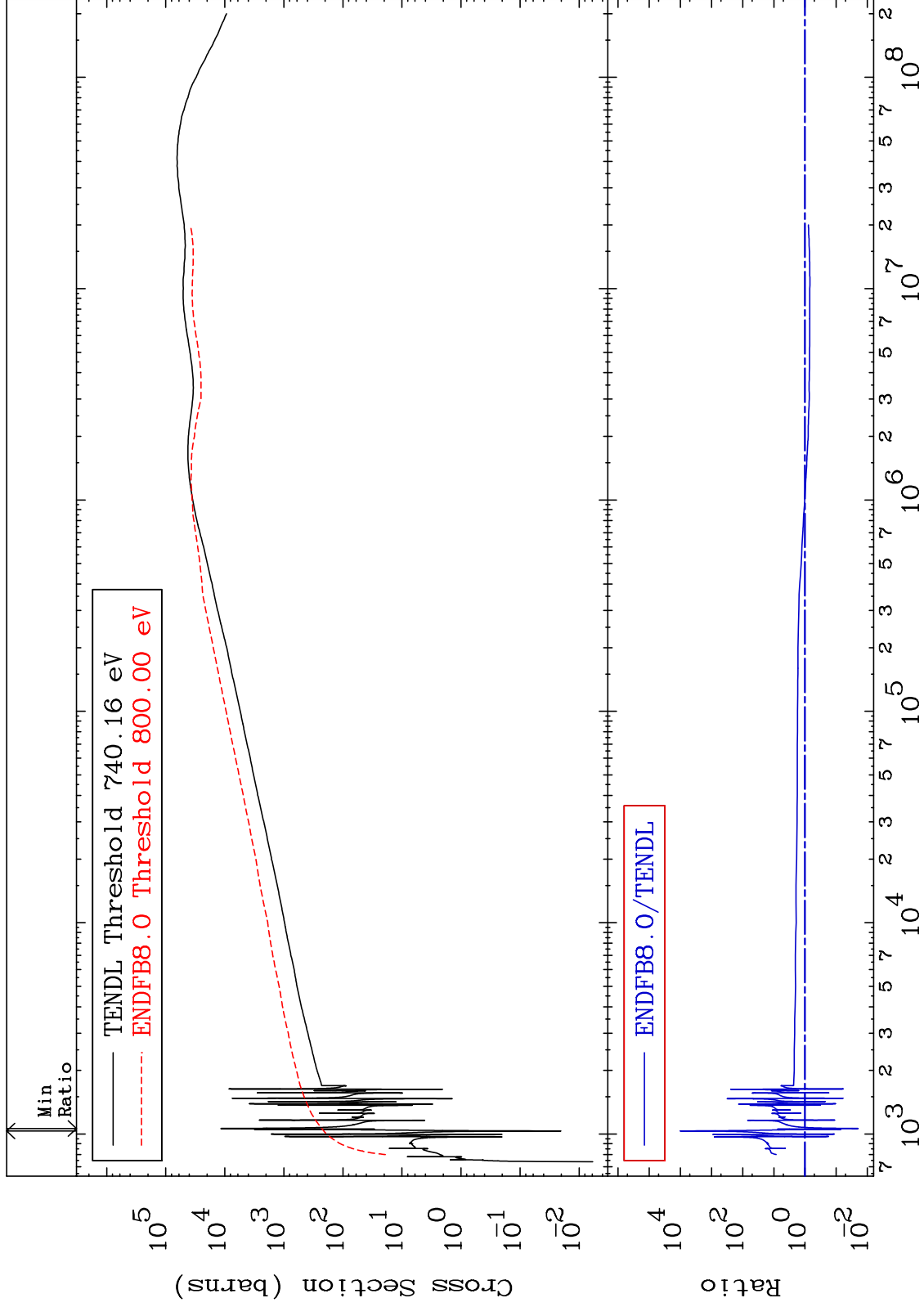




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Dpa elastic (mt2)  
Cross Section

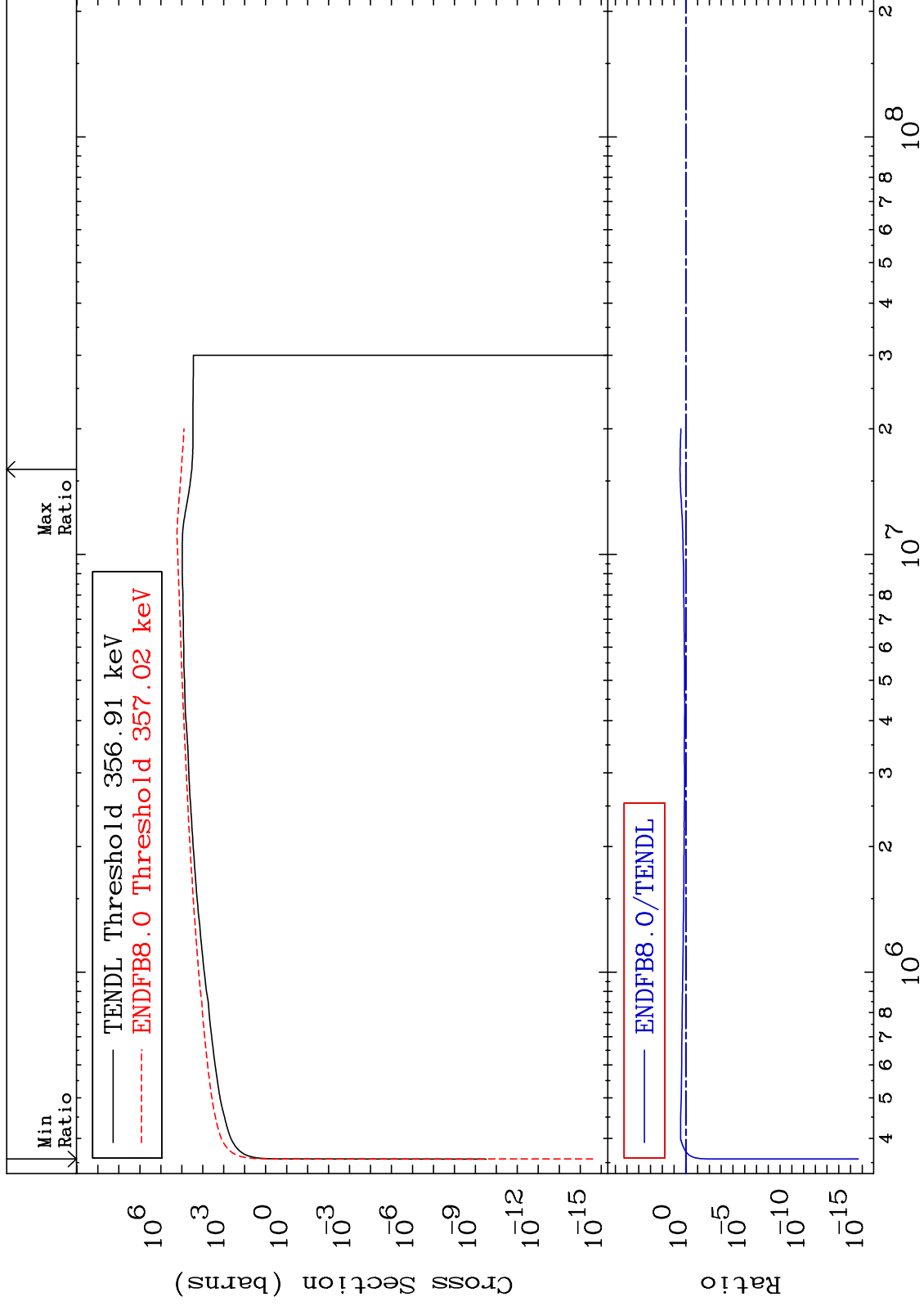
54-Xe-124  
-98.06 To 9999. %



MAT 5425

Dpa inelastic (mt51-91)  
Cross Section

54-Xe-124  
-100.0 To 214.7 %

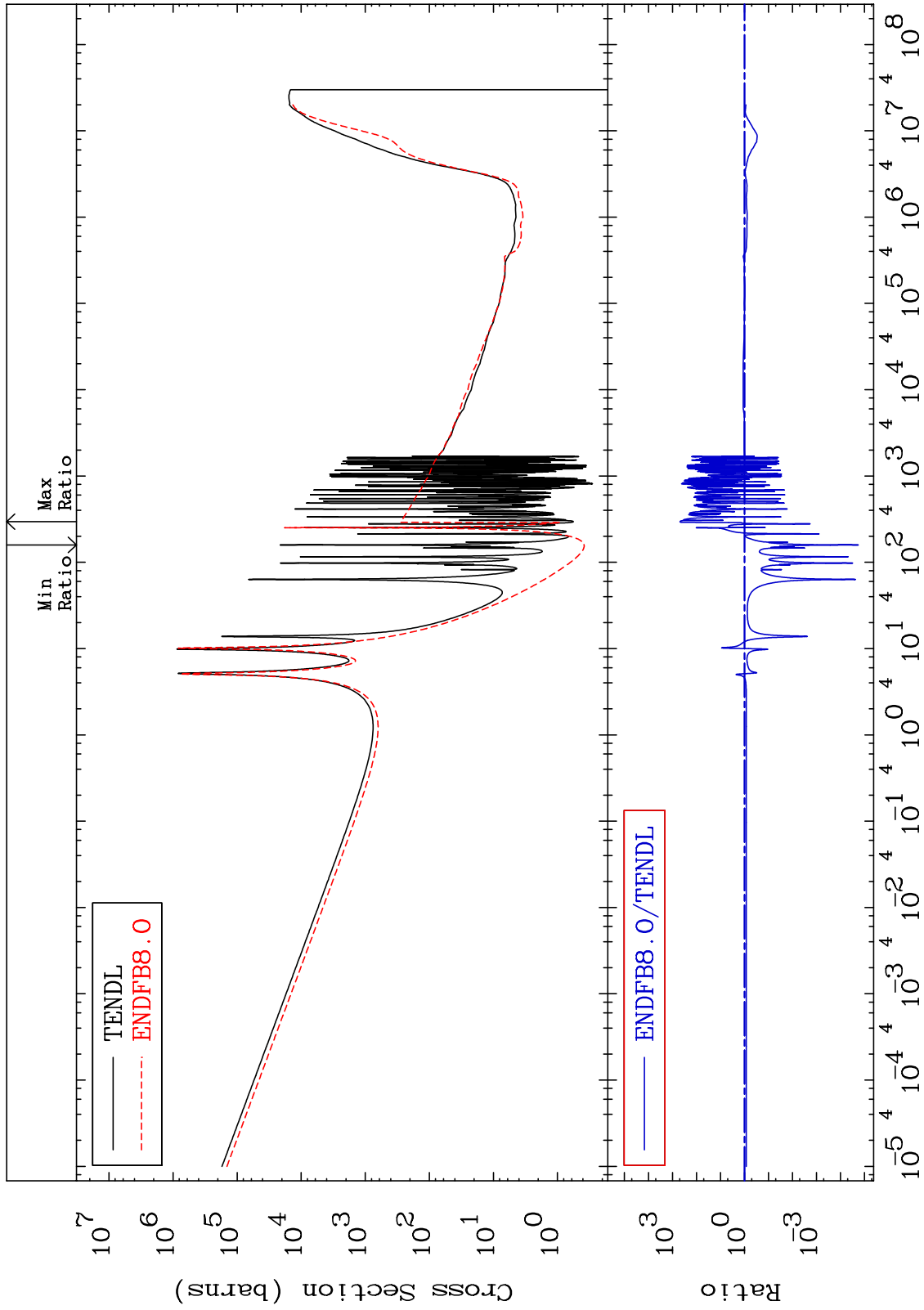


MAT 5425

Dpa disappearance (mt102 -120)

54-Xe-124

-100.0 To 9999. %



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Incident Energy (eV)

54-Xe-124