

Program Complot  
(Version 2021-1)

by

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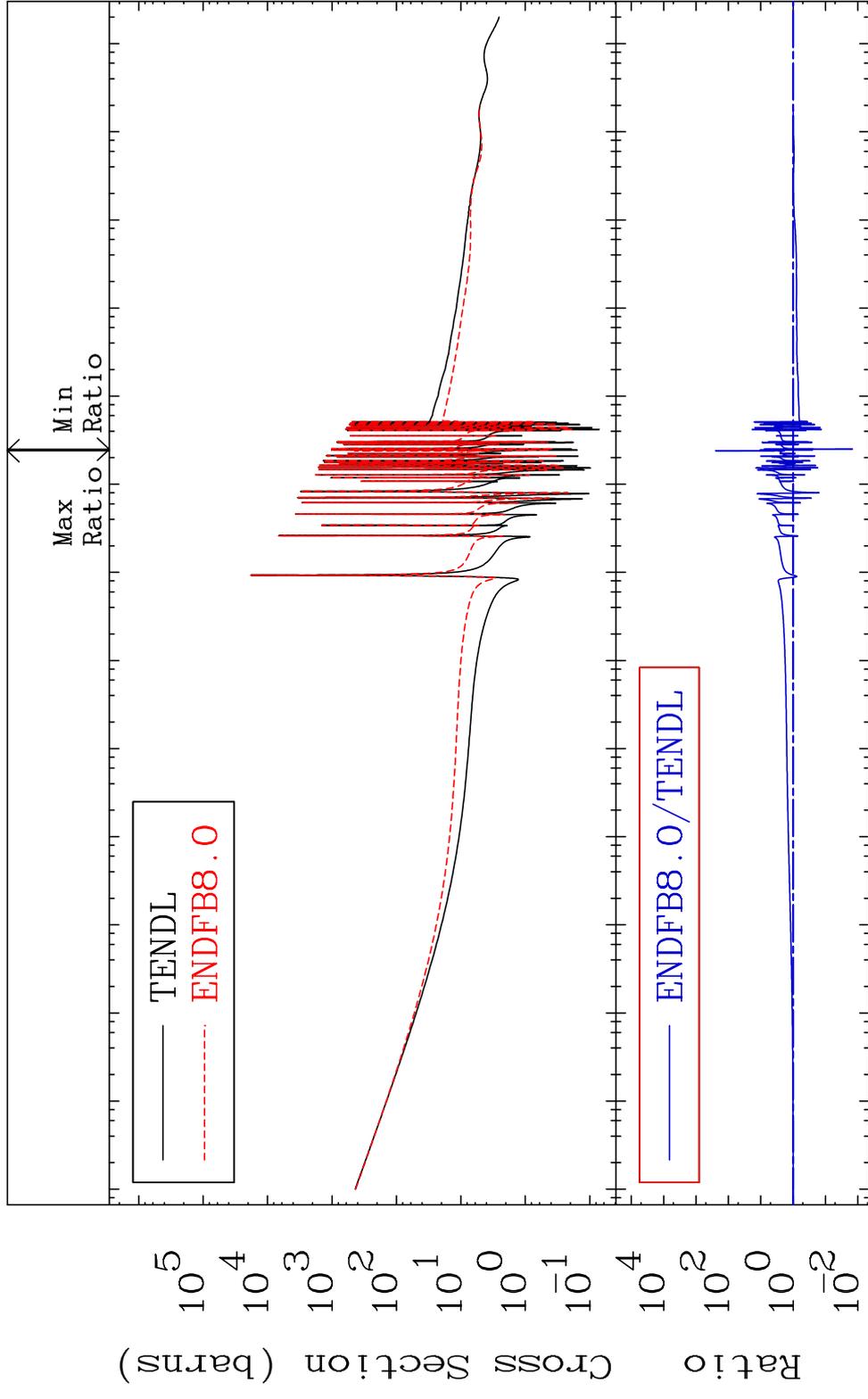
Press Mouse Button to Start

MAT 6255

62-Sm-154

Total

Cross Section -98.54 To 9999. %



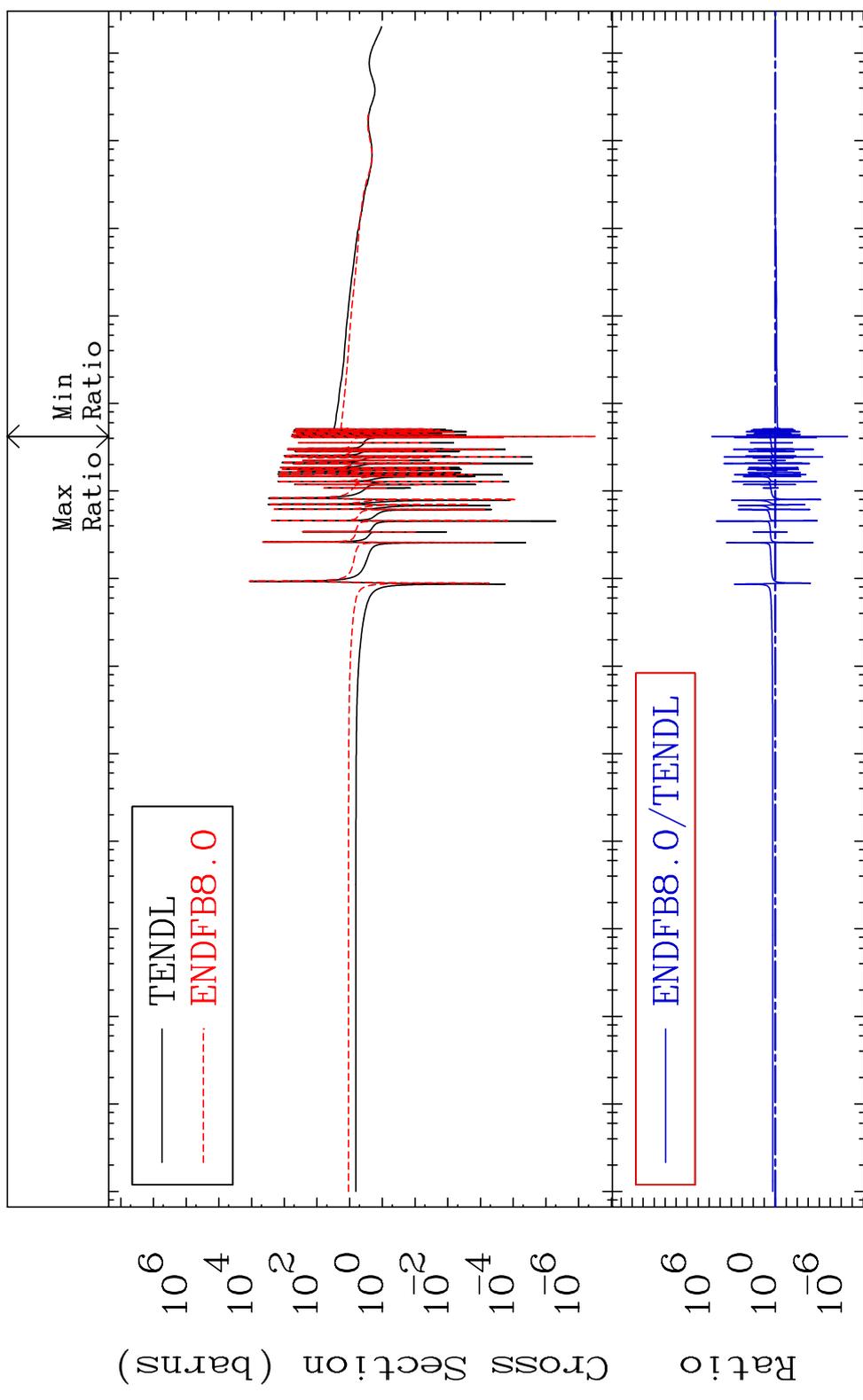
1

Incident Energy (eV)

62-Sm-154

MAT 6255

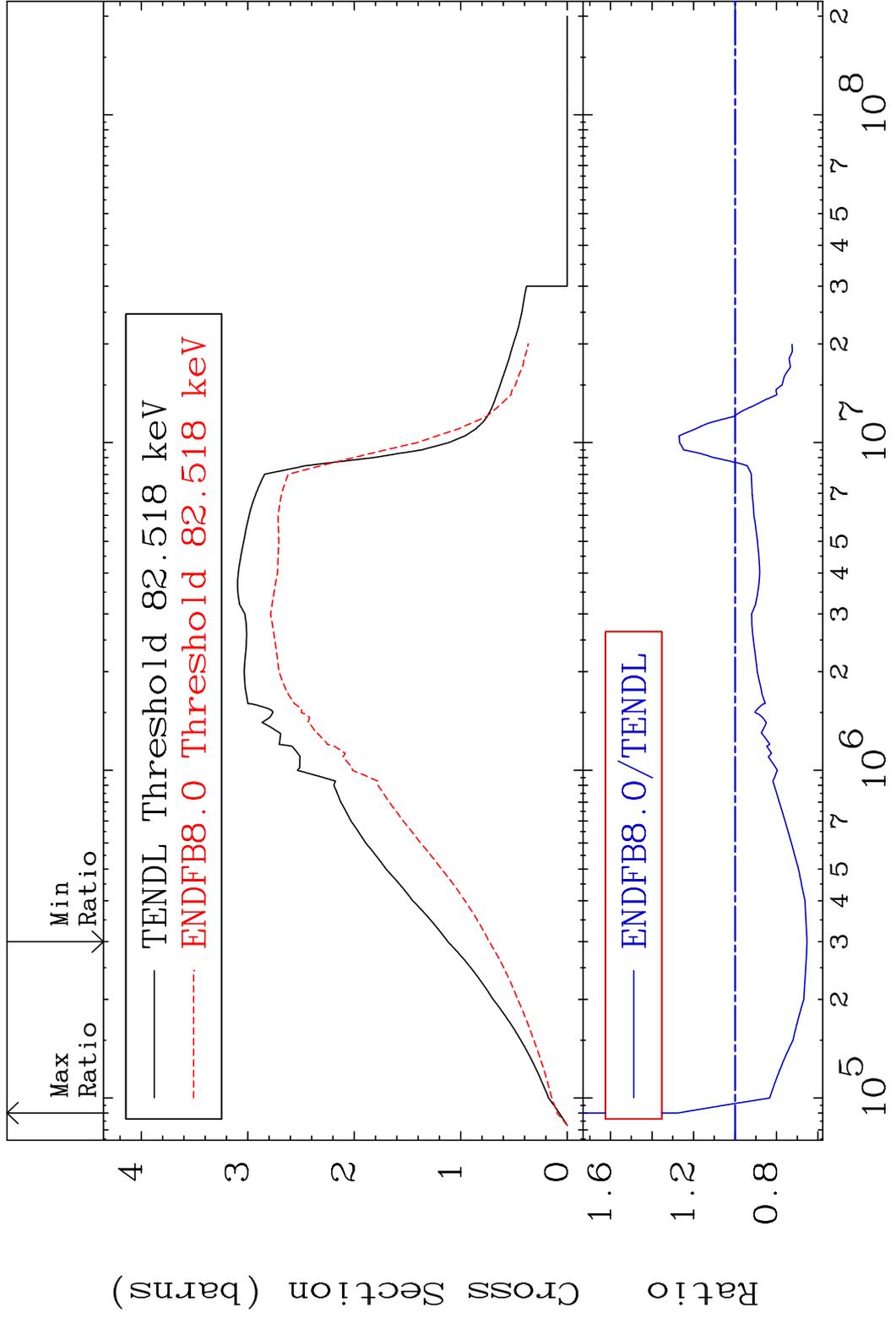
Elastic Cross Section -100.0 To 9999. %  
62-Sm-154



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>6</sup> 10<sup>7</sup> 10<sup>8</sup>

2 Incident Energy (eV) 62-Sm-154

MAT 6255 Inelastic 62-Sm-154  
 Cross Section -34.70 To 27.64 %



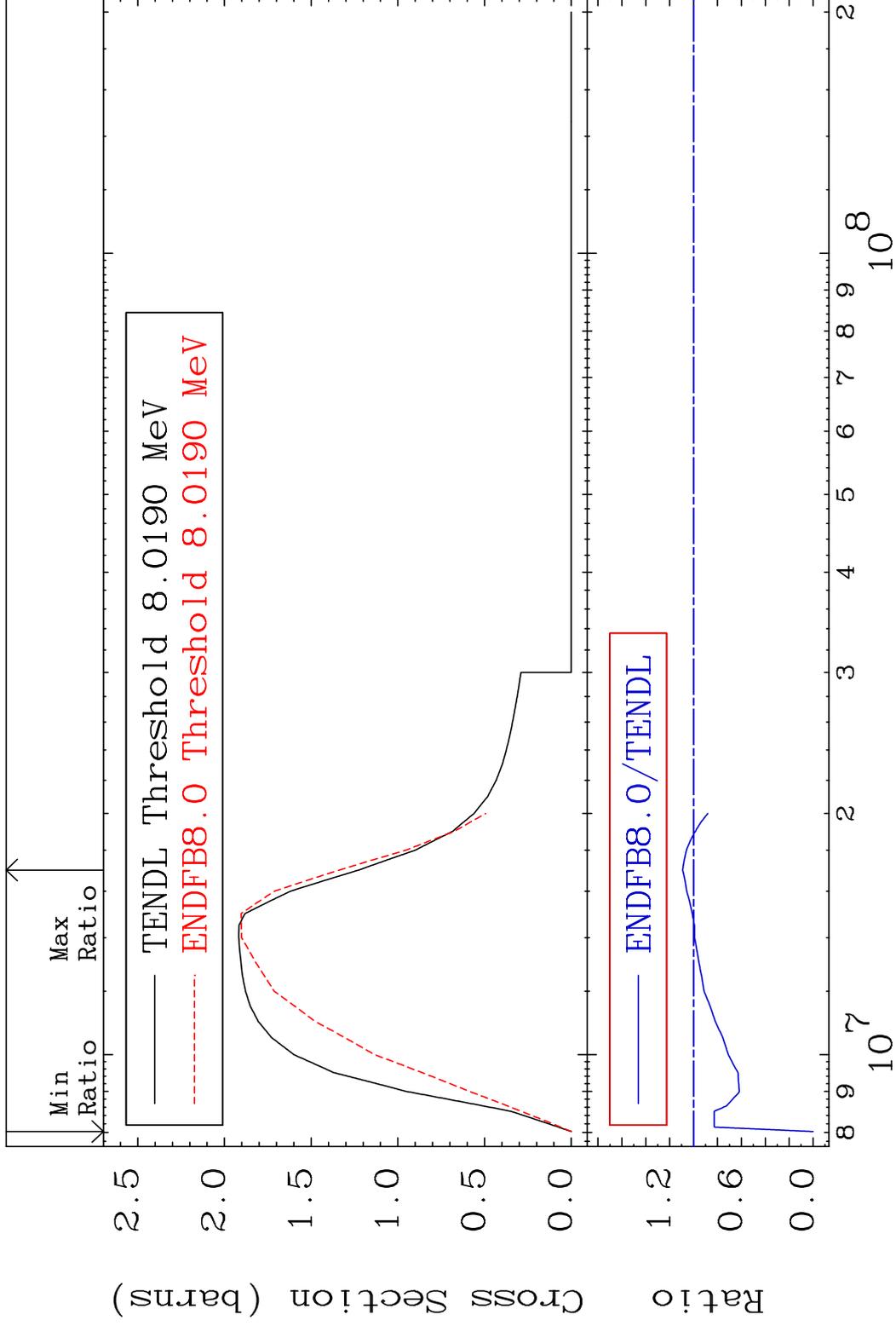
3 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup> 2 62-Sm-154

MAT 6255

(n,2n)

62-Sm-154

Cross Section -100.0 To 9.163 %



62-Sm-154

Incident Energy (eV)

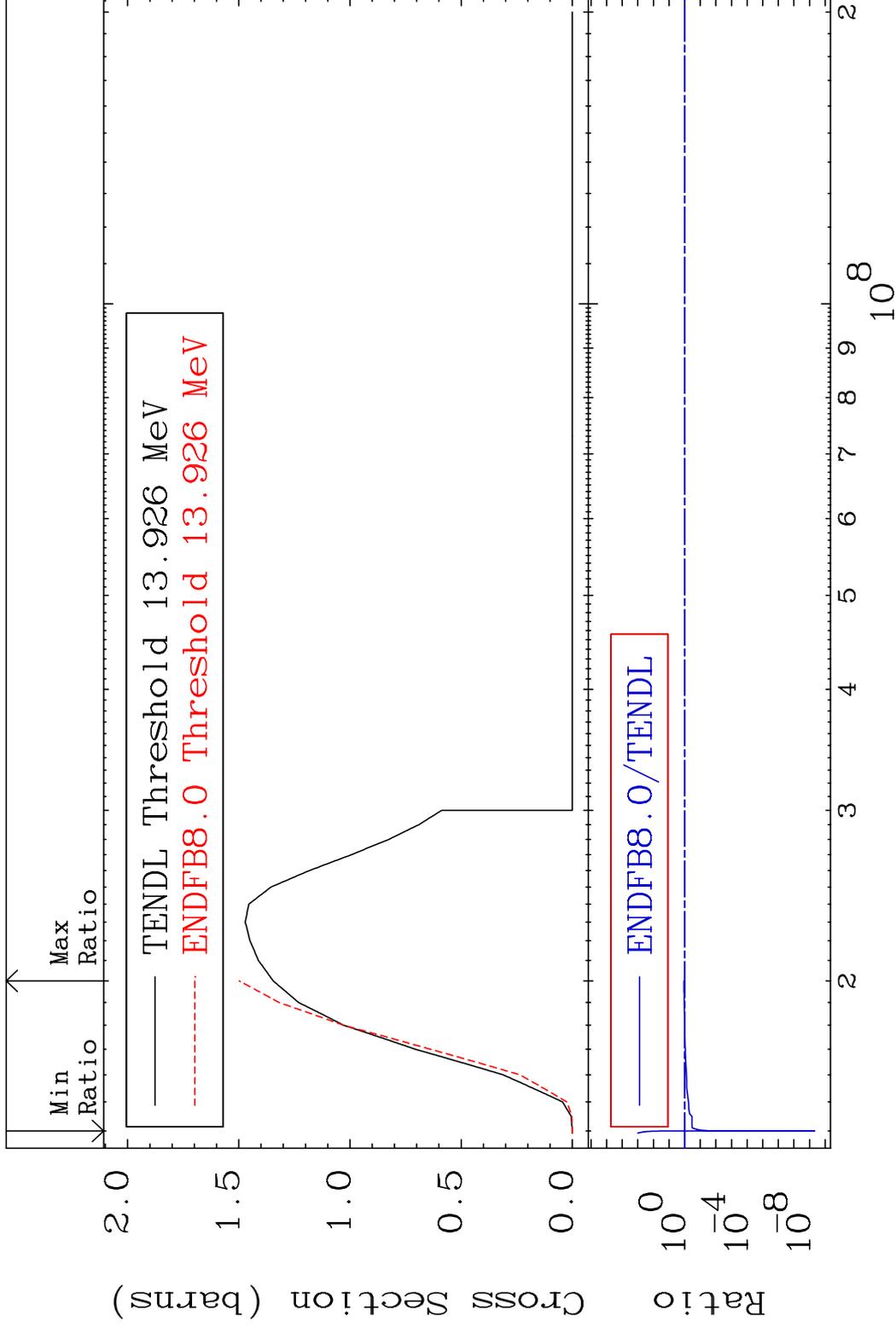
4

MAT 6255

(n,3n)

62-Sm-154

Cross Section -100.0 To 11.33 %

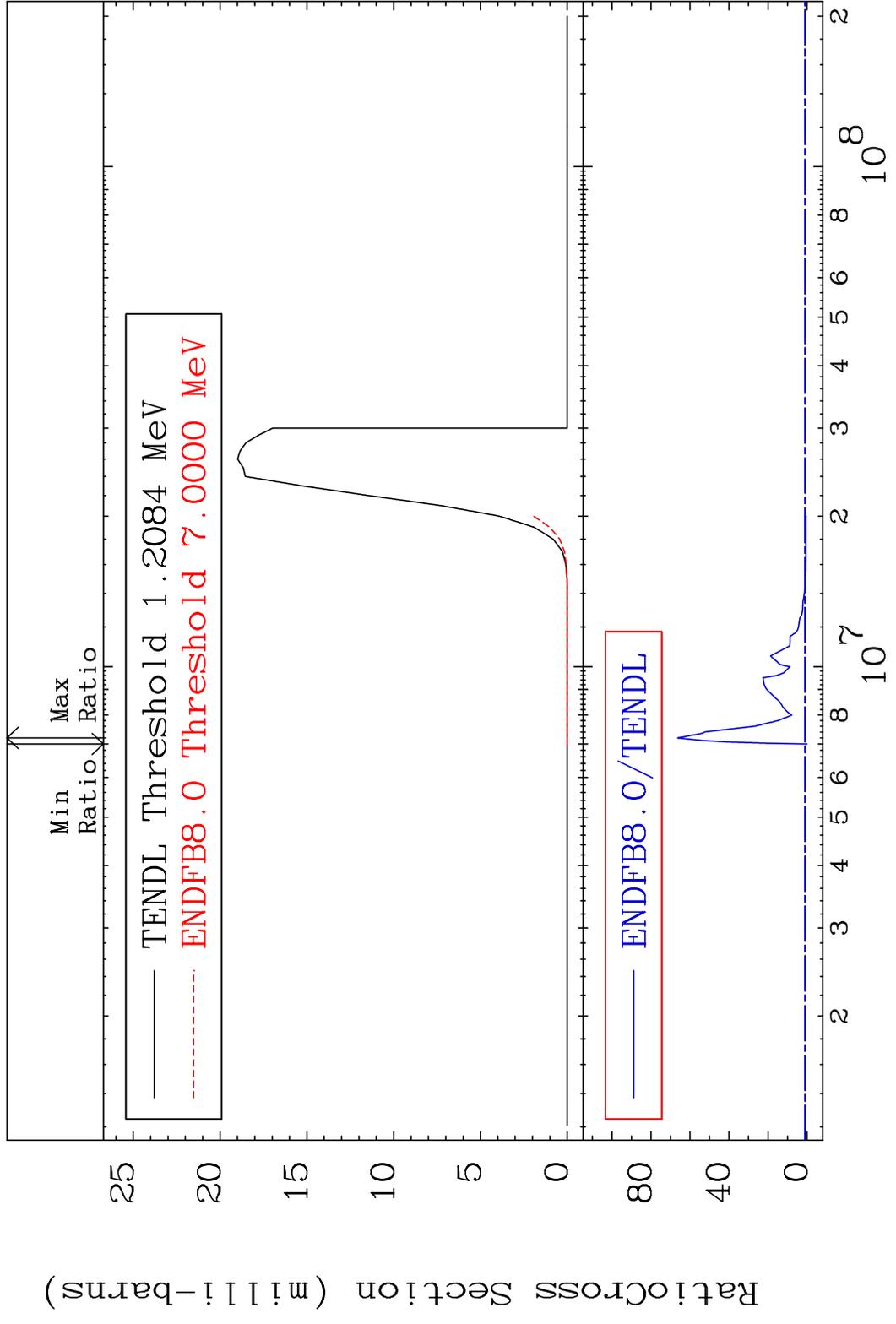


5

Incident Energy (eV)

62-Sm-154

MAT 6255 (n, n')  $\alpha$  62-Sm-154  
 Cross Section -100.0 To 6530. %

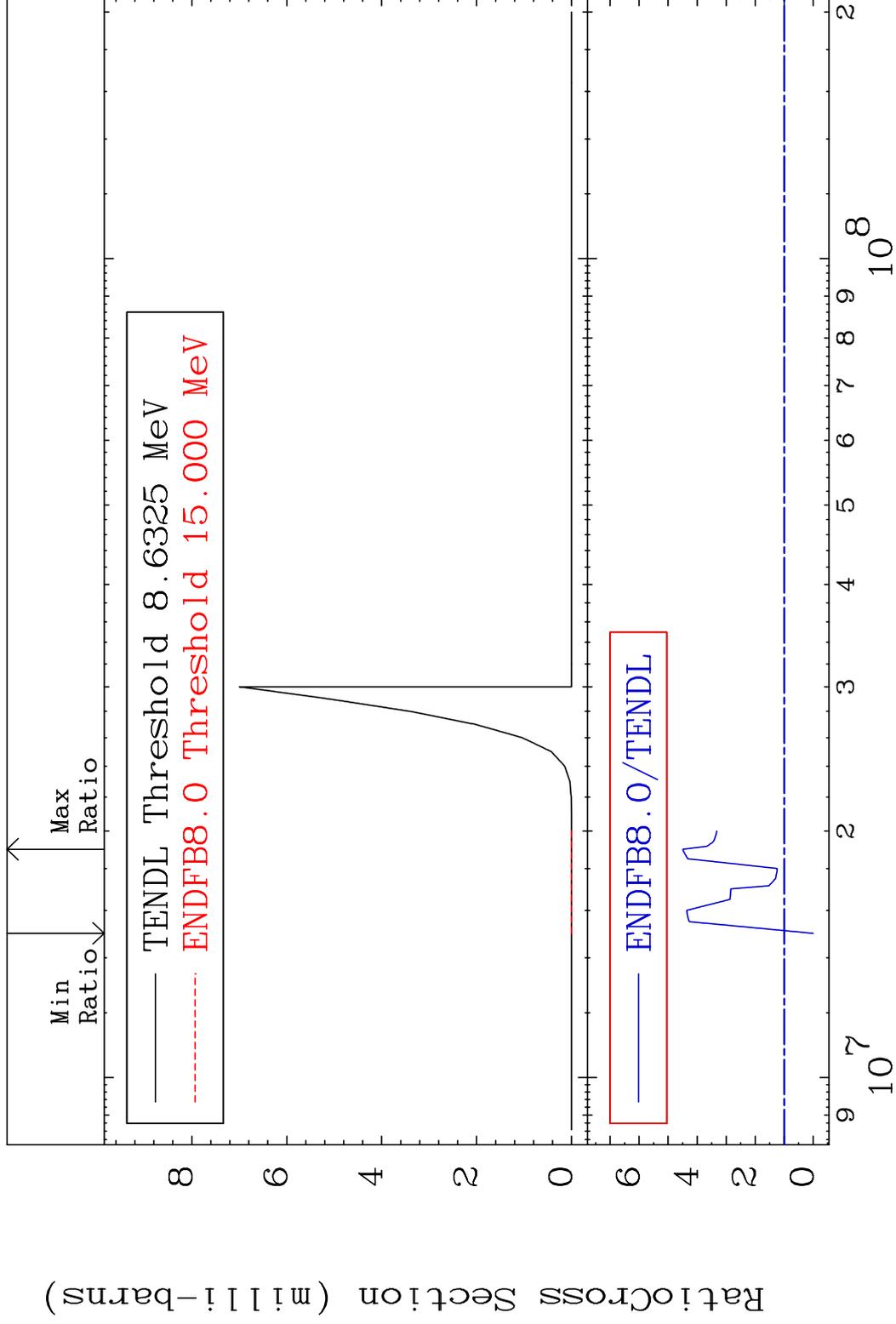


MAT 6255

(n,2n)  $\alpha$

62-Sm-154

Cross Section -100.0 To 349.3 %



7

Incident Energy (eV)

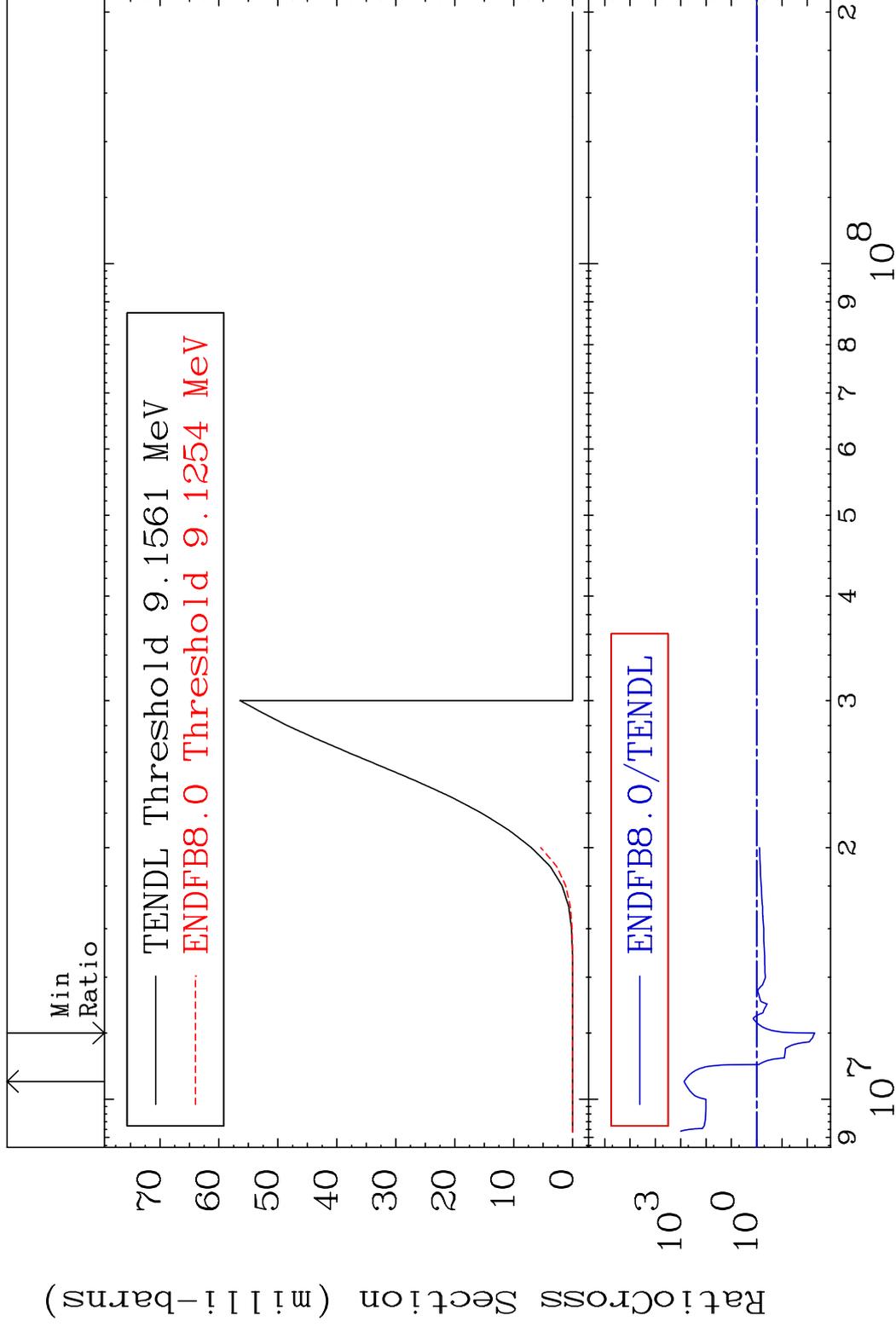
62-Sm-154

MAT 6255

(n, n') p

62-Sm-154

Cross Section -99.49 To 9999. %



8

Incident Energy (eV)

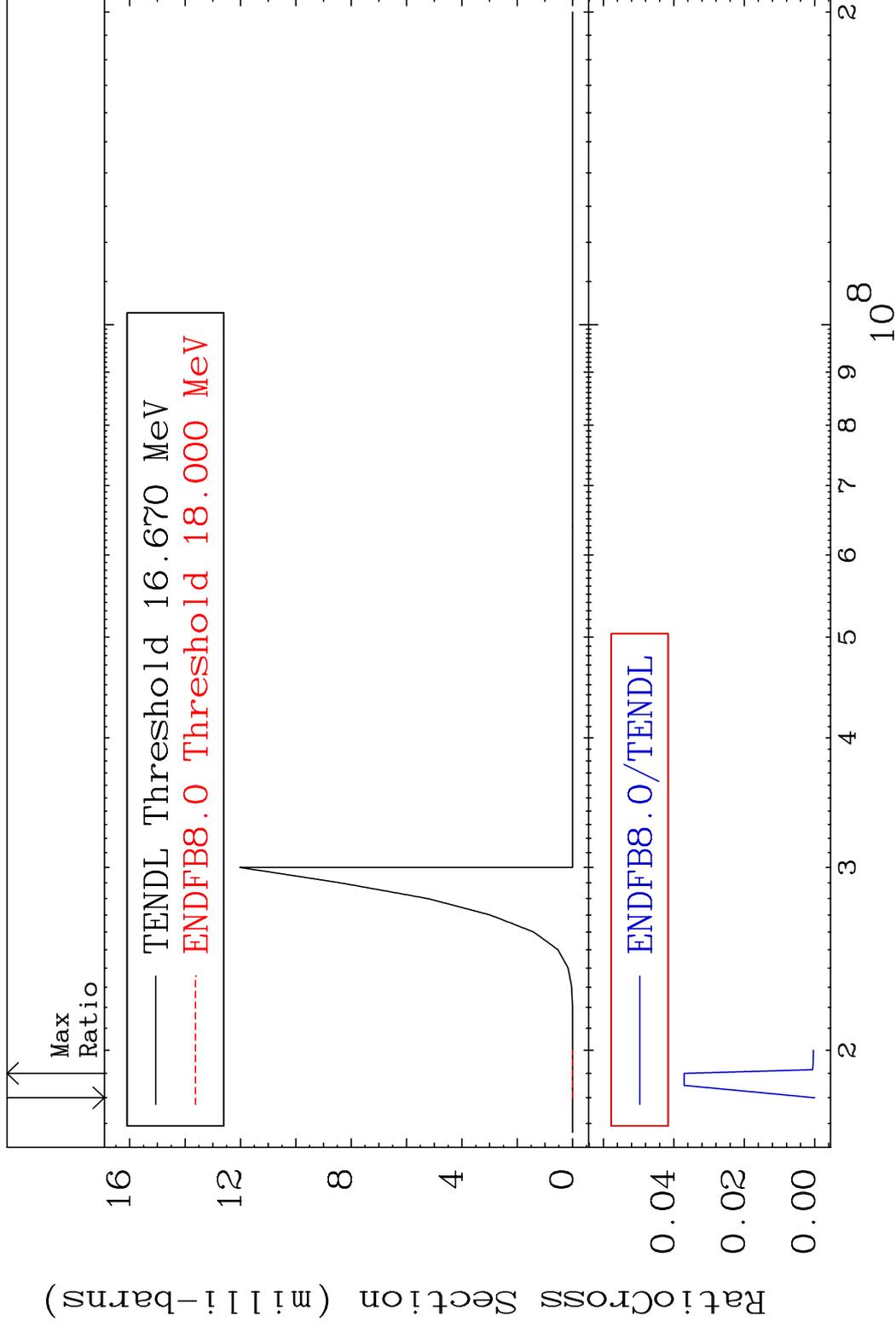
62-Sm-154

MAT 6255

(n,2n) p

62-Sm-154

Cross Section -100.0 To -96.29%

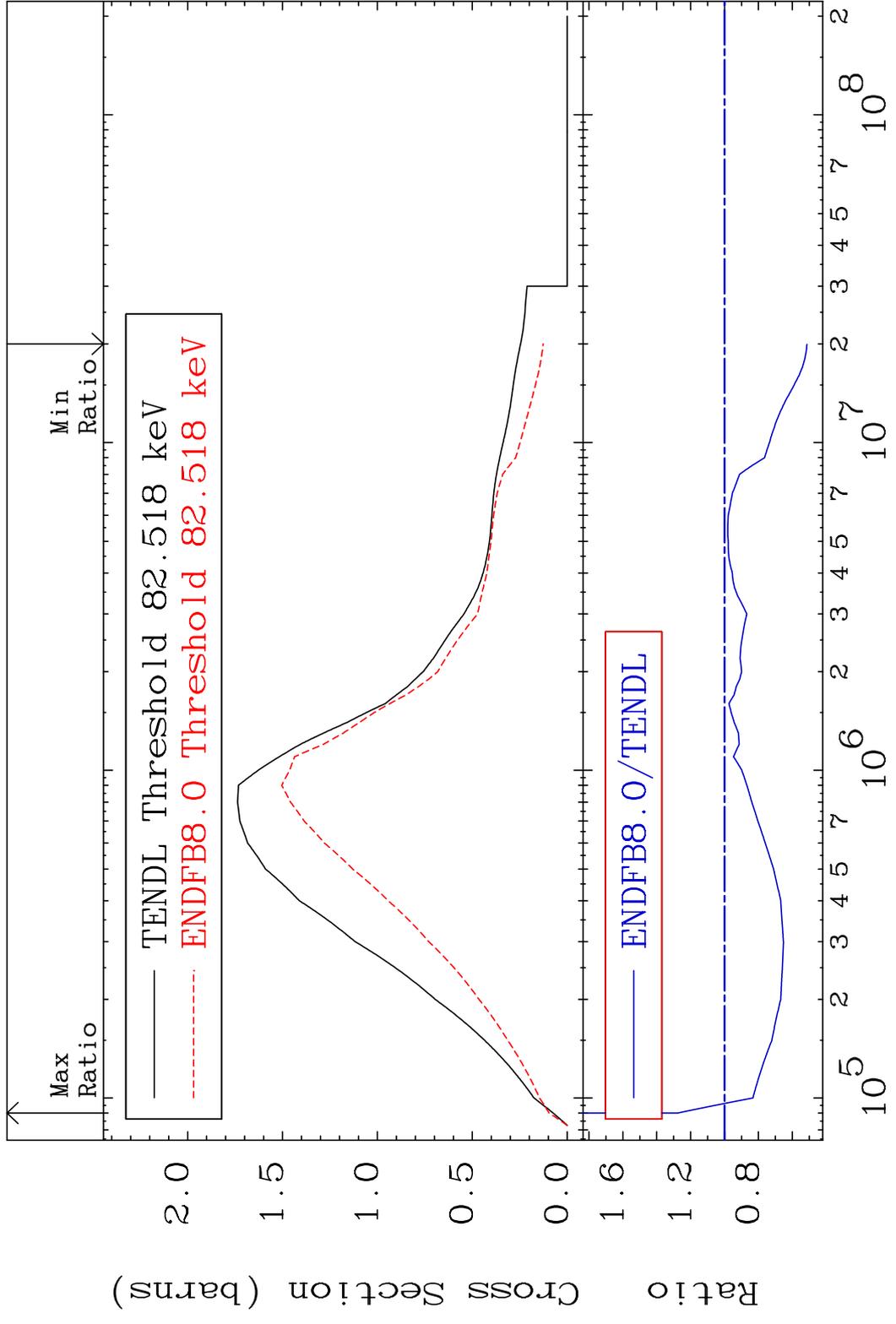


9

Incident Energy (eV)

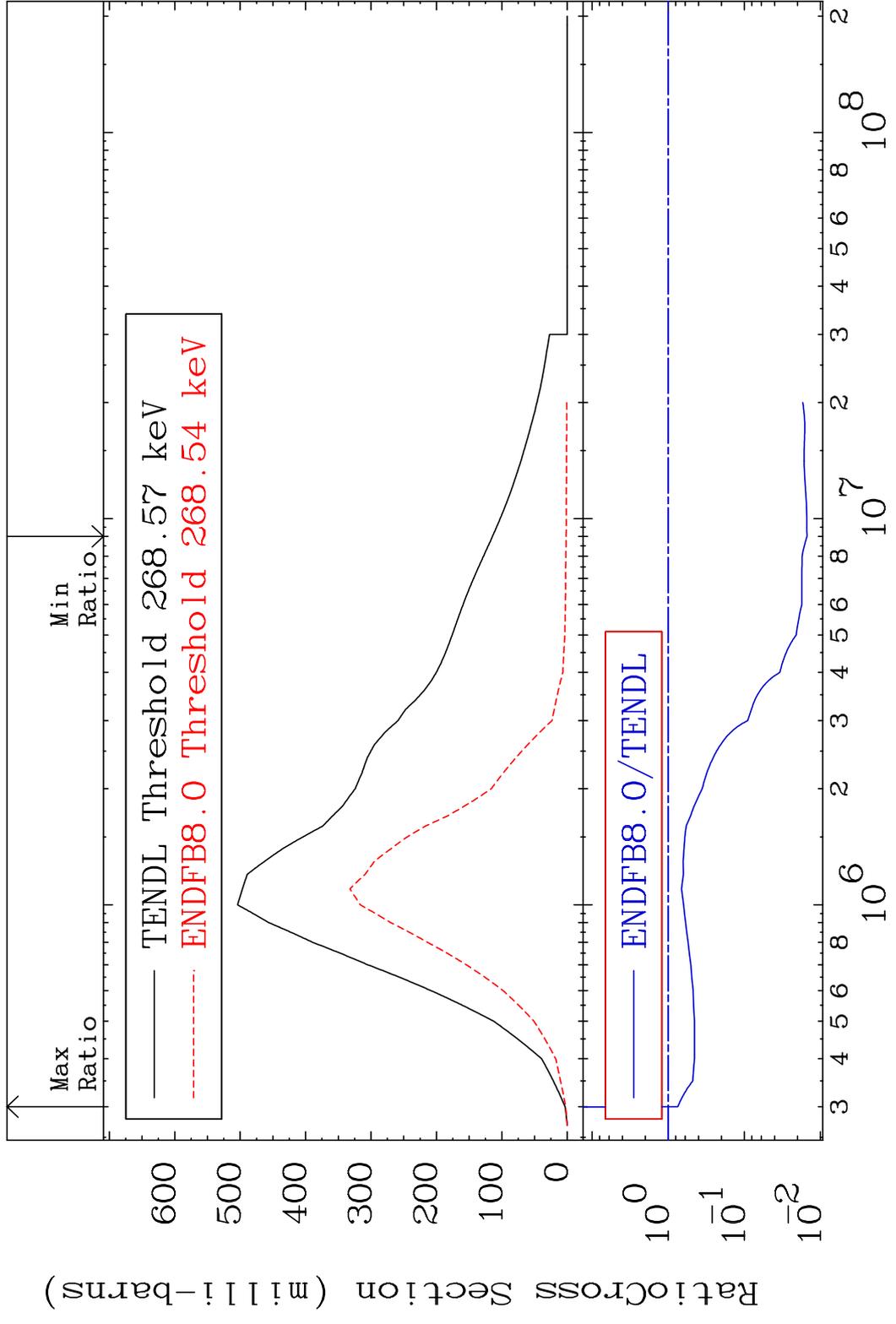
62-Sm-154

MAT 6255 MT= 51 (n, n') Level 62-Sm-154  
 Cross Section -48.65 To 27.64 %

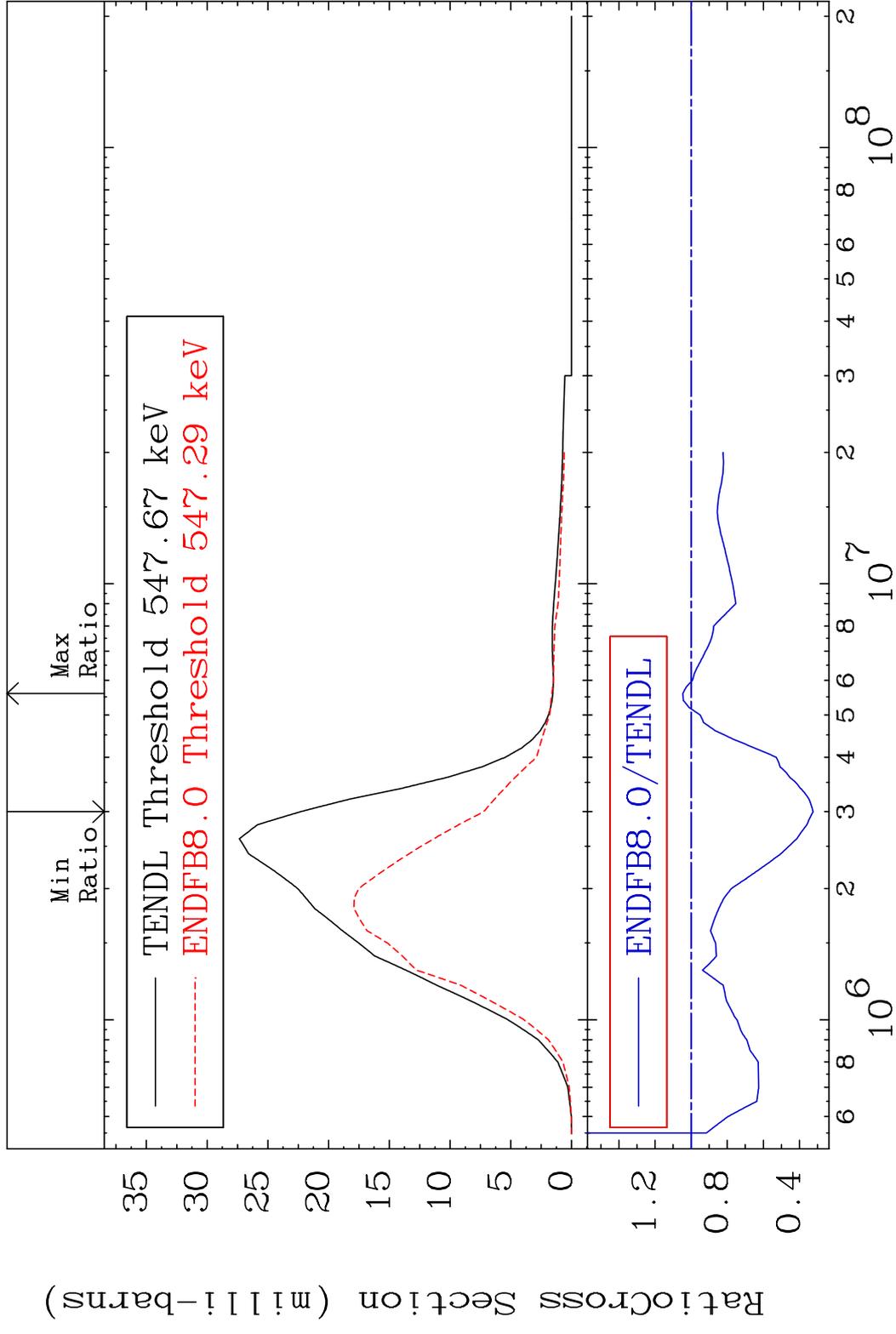


10 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup> 2 3 4 5 6 7 8 2 62-Sm-154

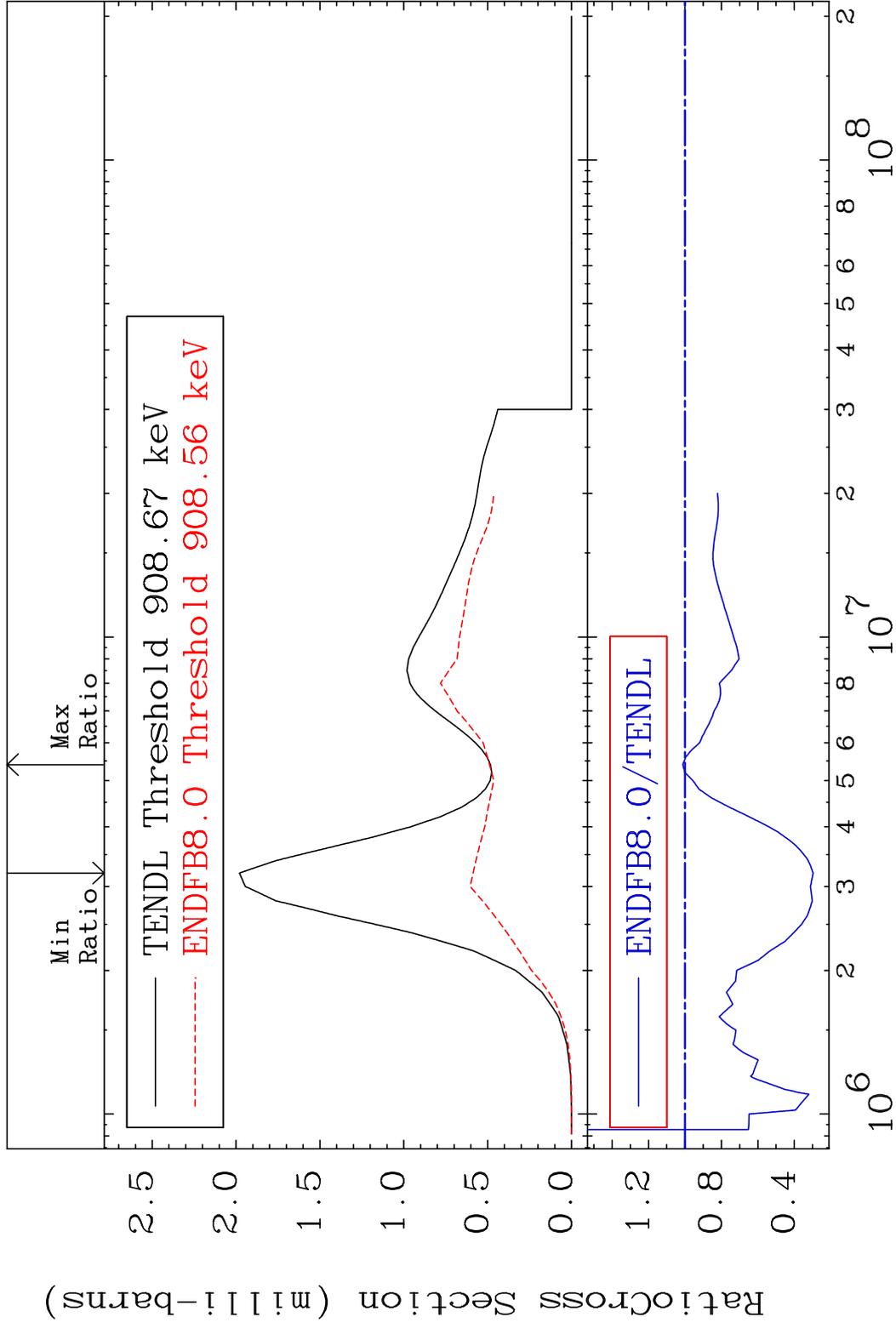
MAT 6255 MT= 52 (n,n') Level 62-Sm-154  
 Cross Section -98.49 To -24.84%



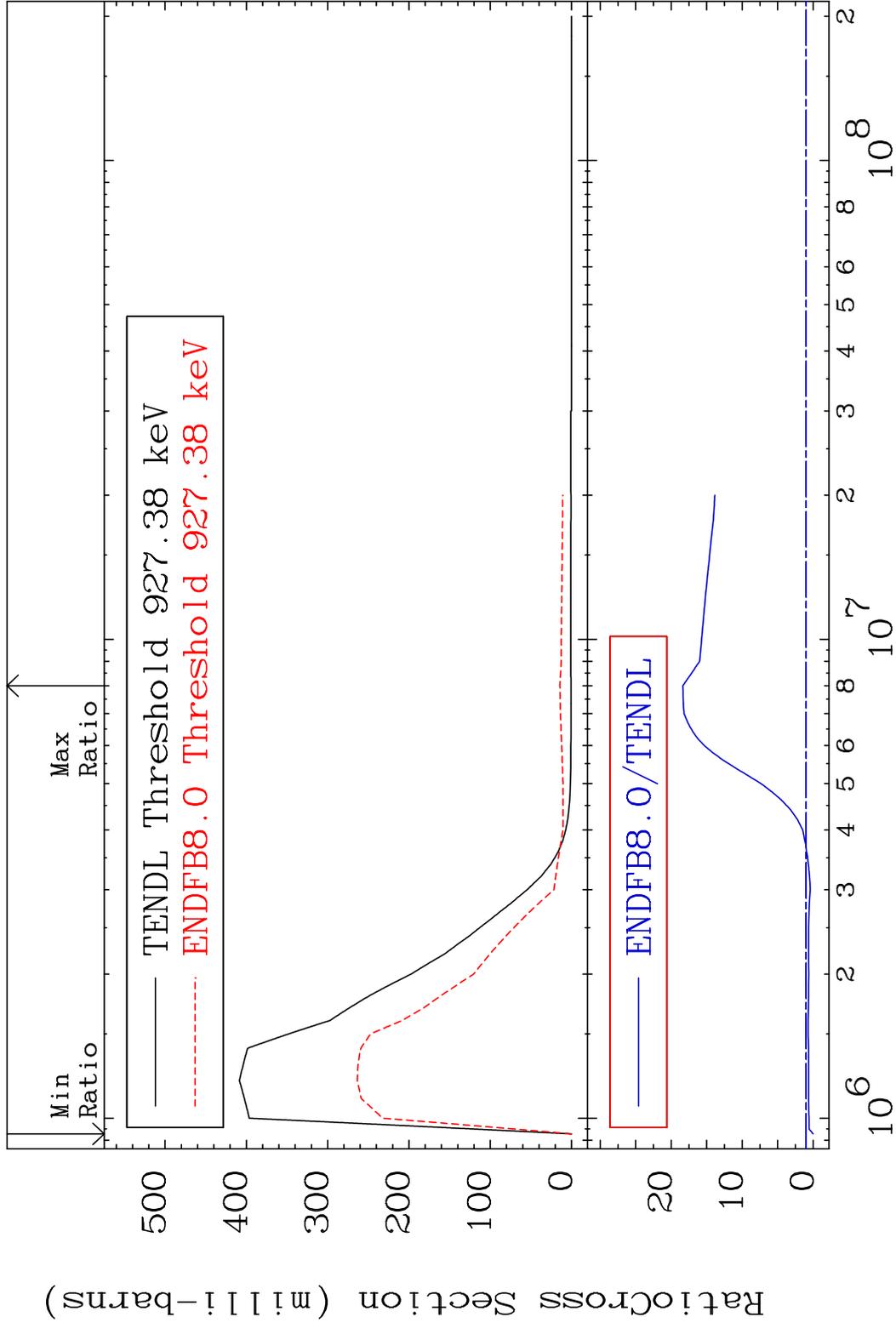
MAT 6255 MT= 53 (n, n') Level 62-Sm-154  
 Cross Section -67.58 To 4.593 %



MAT 6255 MT= 54 (n,n') Level 62-Sm-154  
 Cross Section -70.34 To 1.179 %



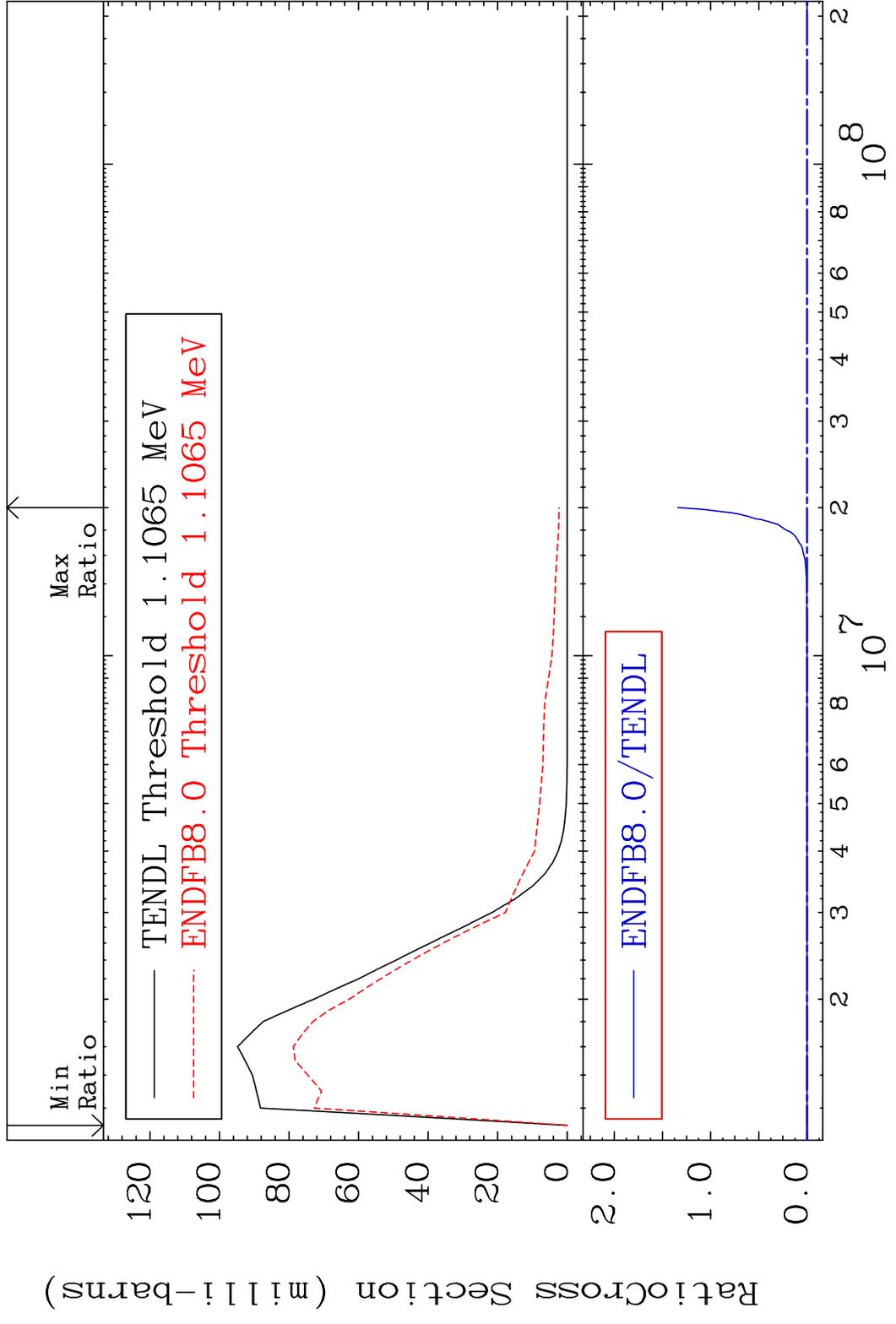
MAT 6255 MT= 55 (n, n') Level 62-Sm-154  
 Cross Section -100.0 To 1736. %



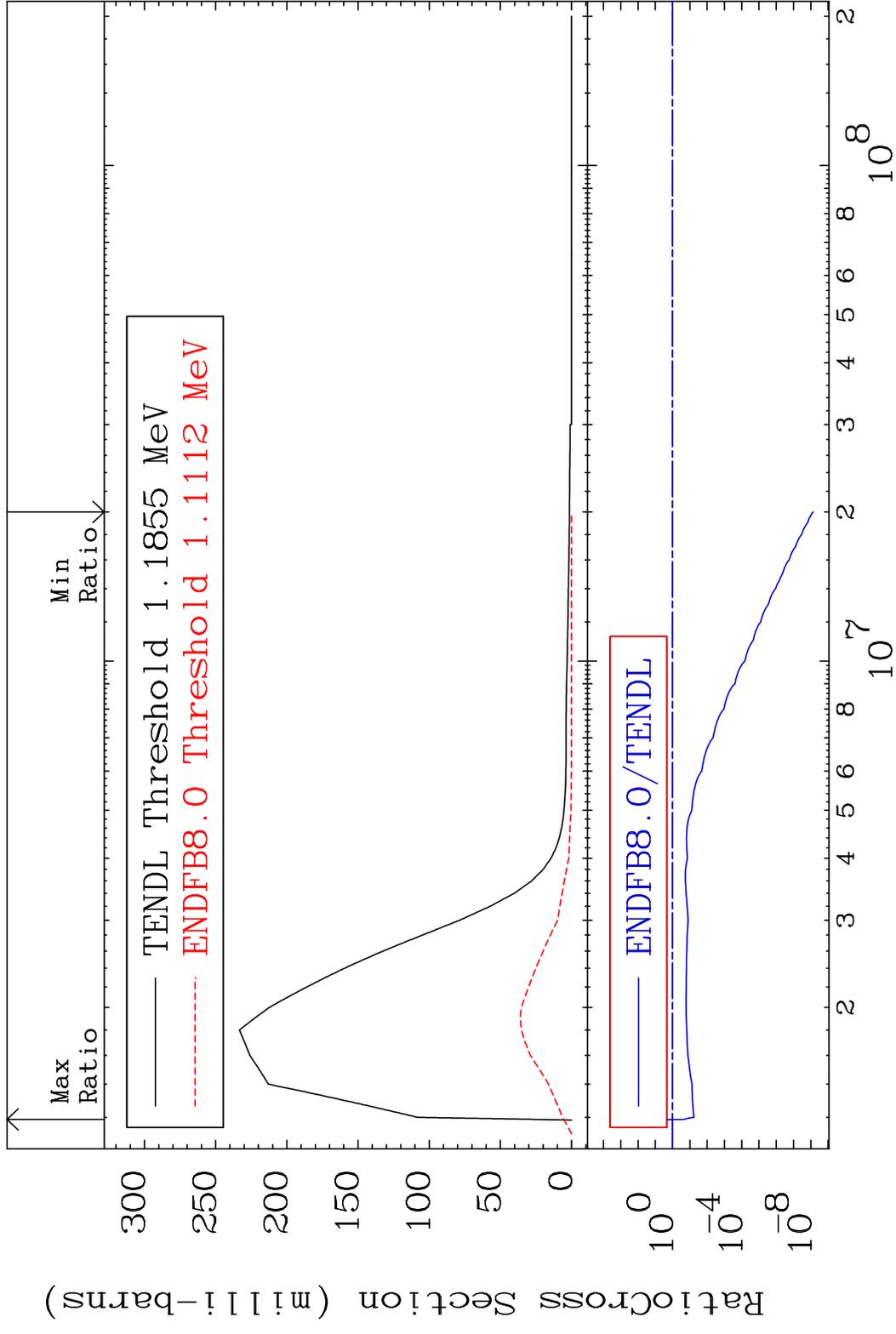
14 Incident Energy (eV) 62-Sm-154



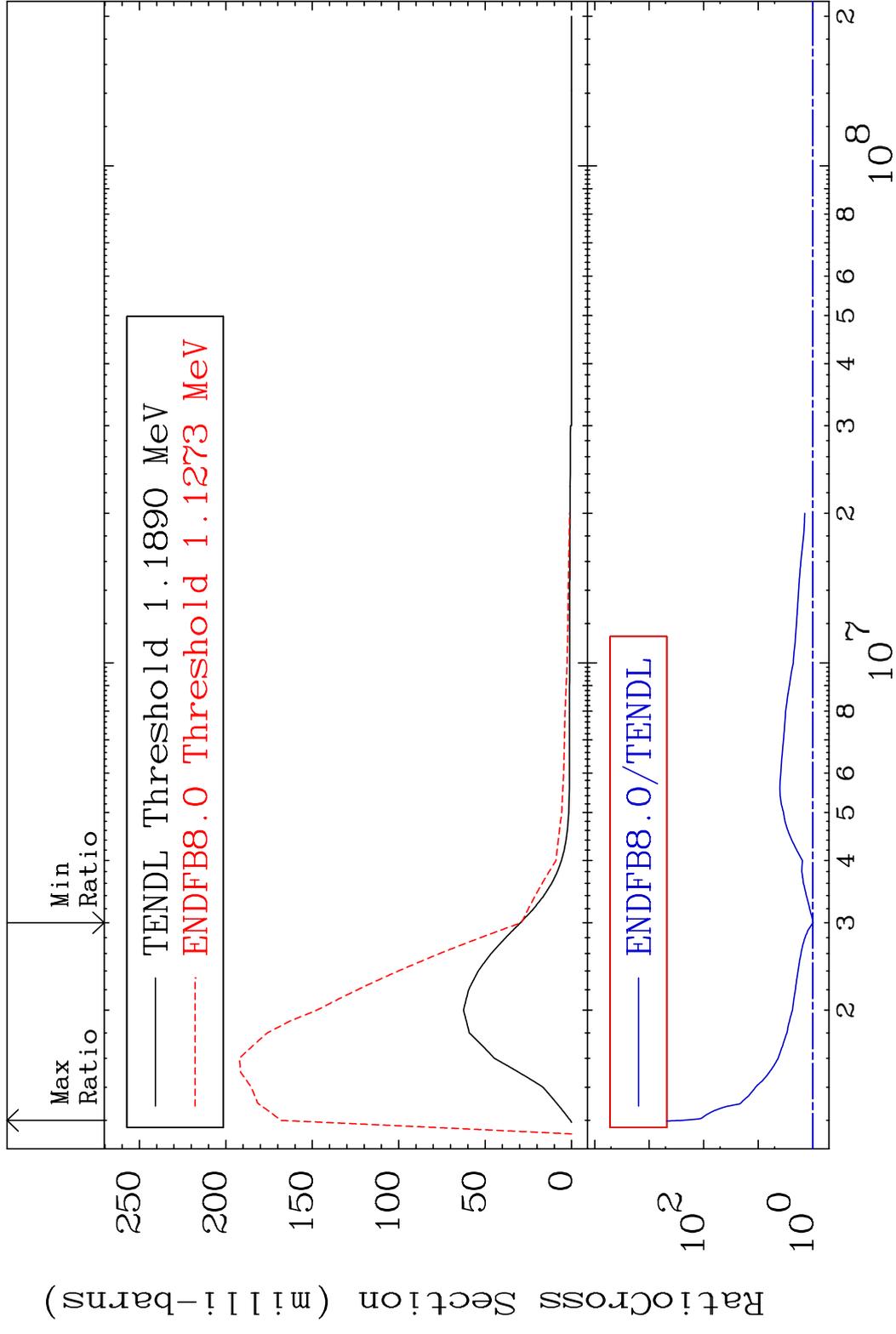
MAT 6255 MT= 57 (n, n') Level 62-Sm-154  
 Cross Section -100.0 To 9999. %



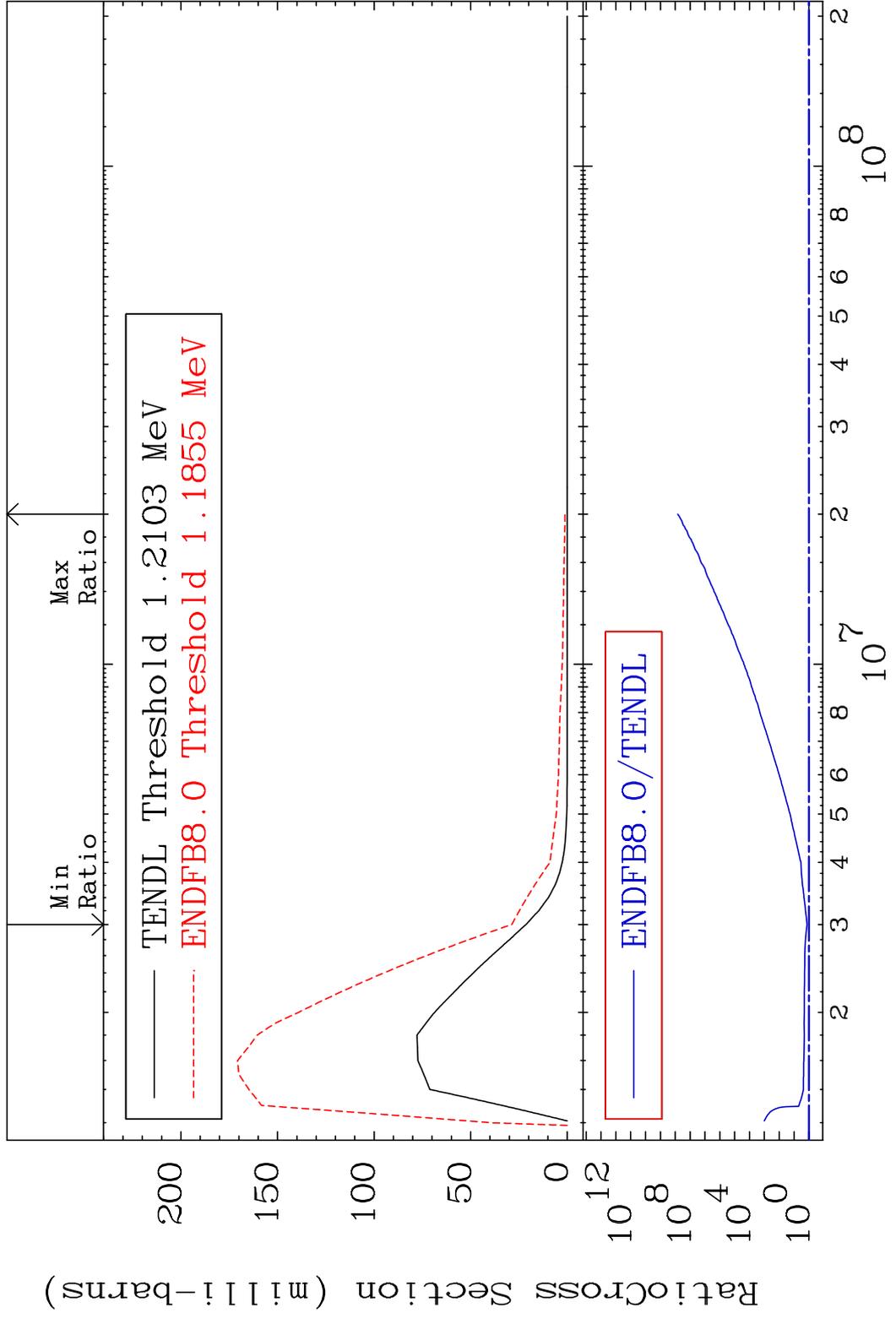
MAT 6255 MT= 58 (n, n') Level 62-Sm-154  
 Cross Section -100.0 To -74.51%



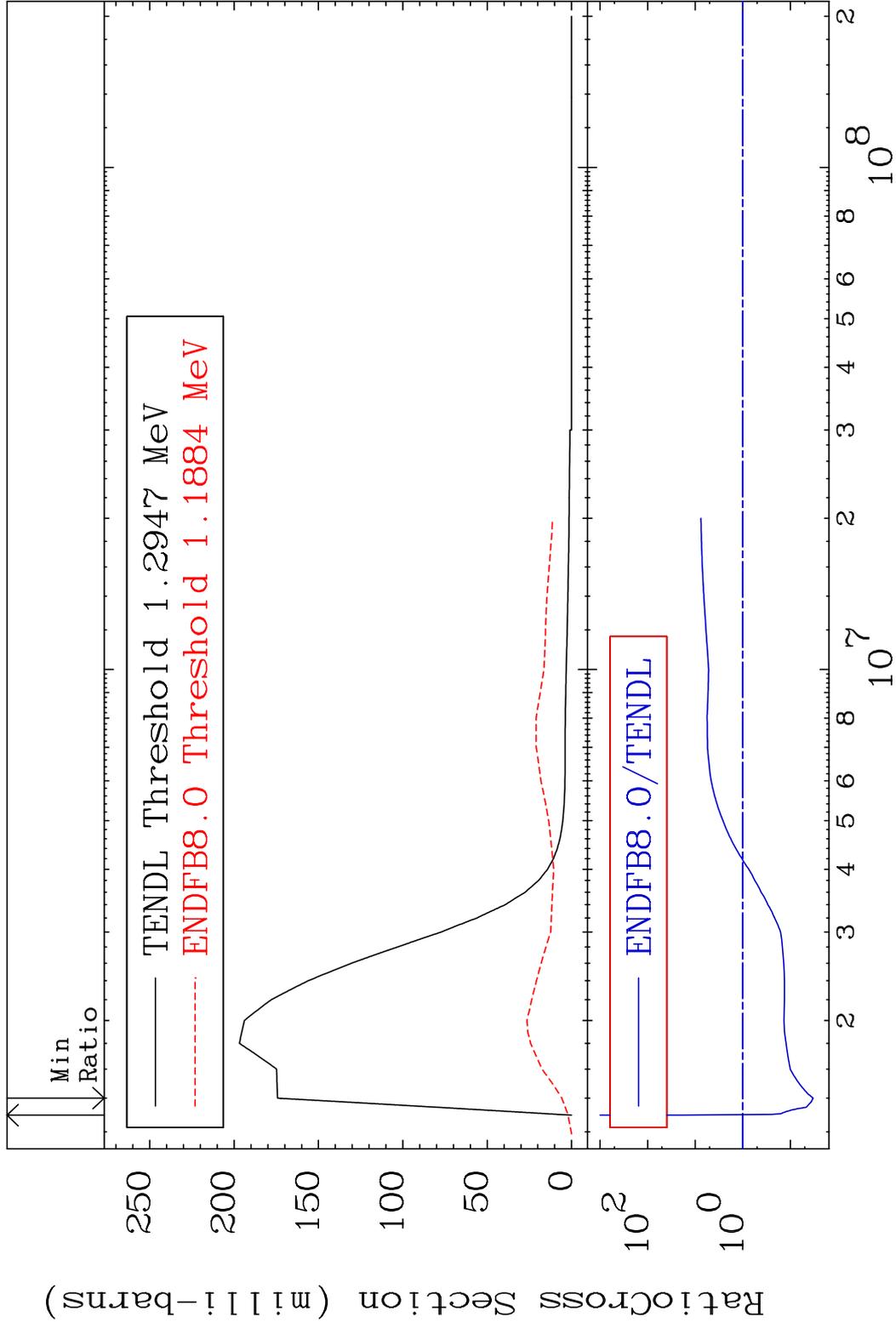
MAT 6255 MT= 59 (n,n') Level 62-Sm-154  
 Cross Section -1.841 To 9999. %



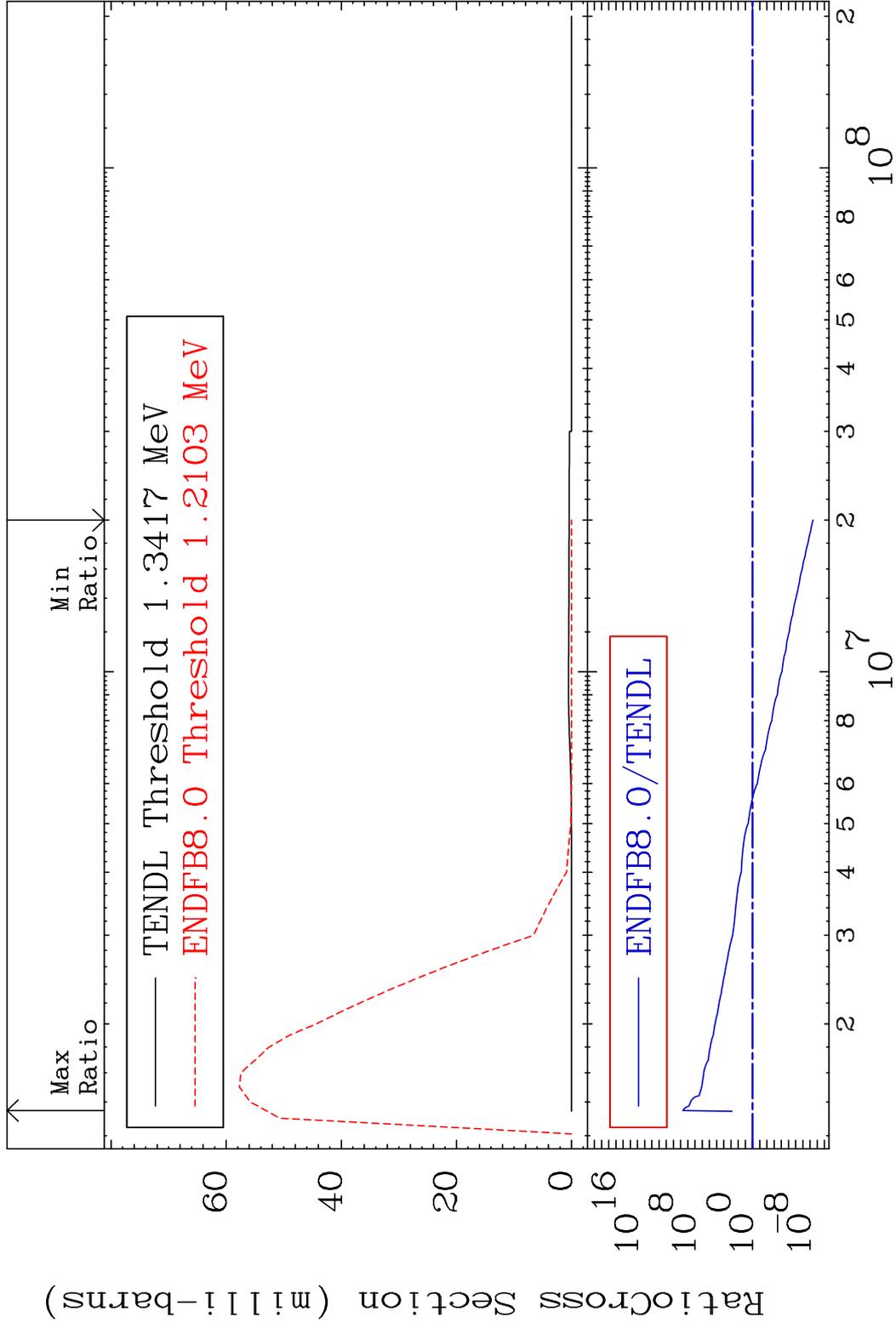
MAT 6255 MT= 60 (n, n') Level 62-Sm-154  
 Cross Section 34.10 To 9999. %



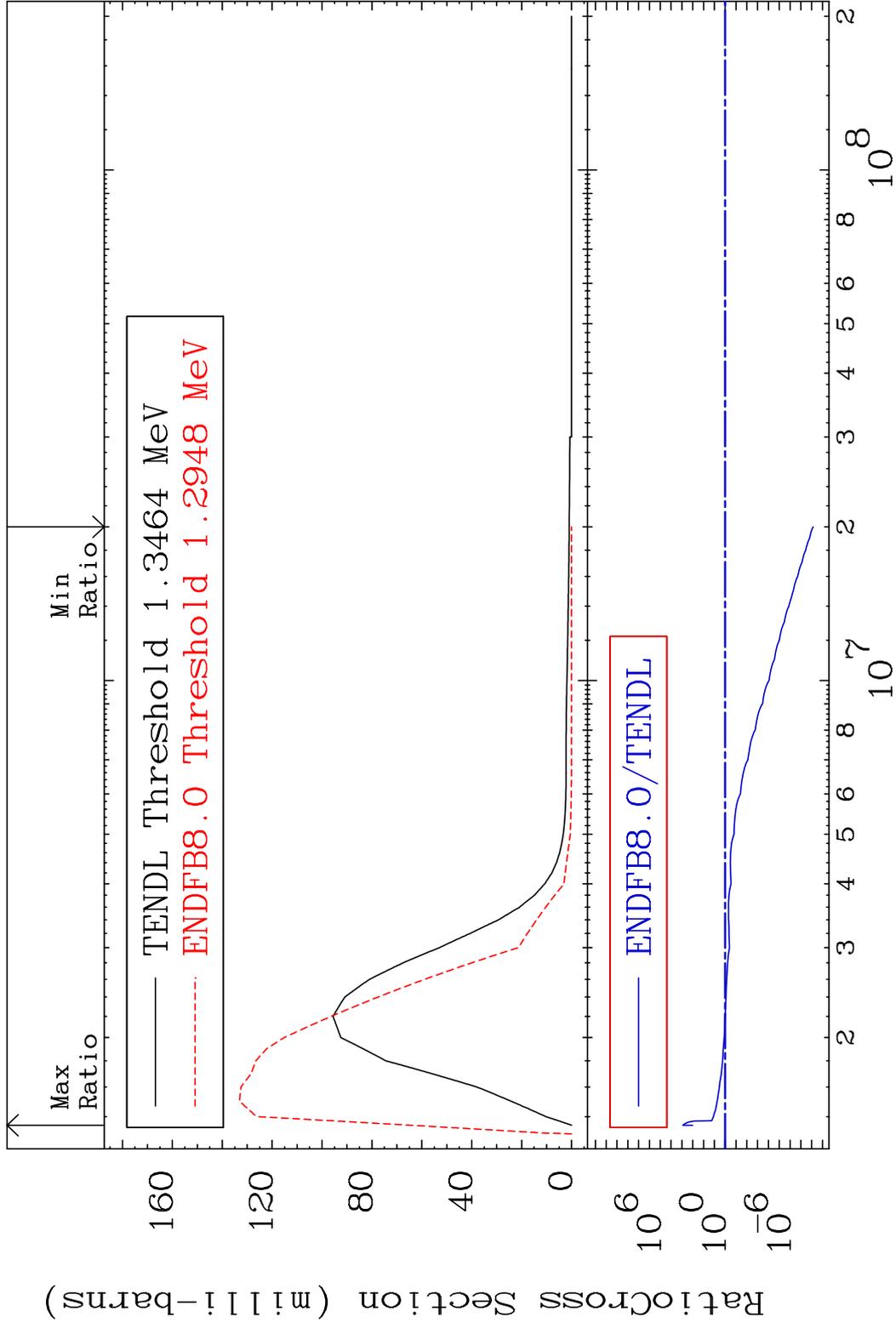
MAT 6255 MT= 61 (n,n') Level 62-Sm-154  
 Cross Section -96.68 To 1719. %



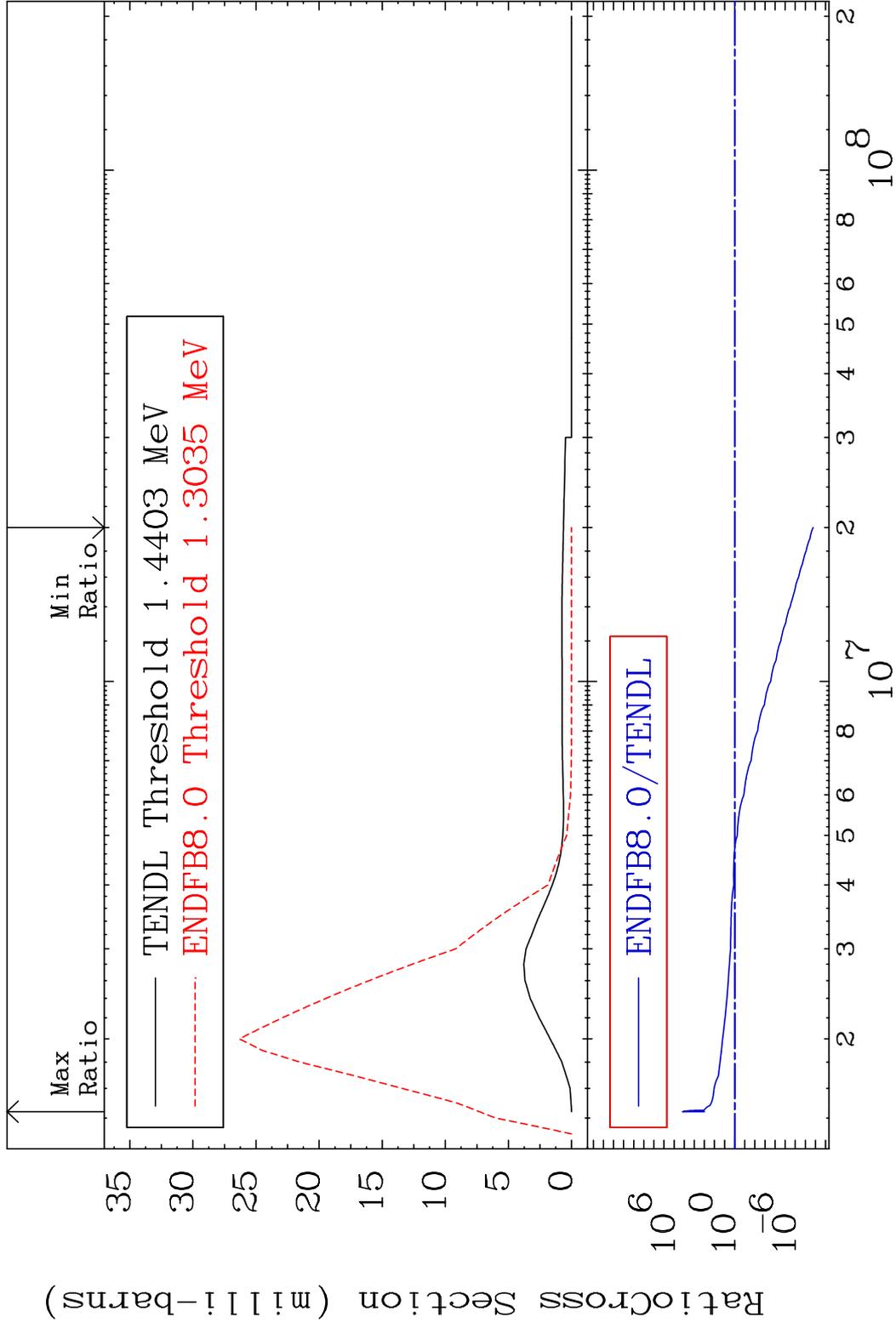
MAT 6255 MT= 62 (n, n') Level 62-Sm-154  
 Cross Section -100.0 To 9999. %



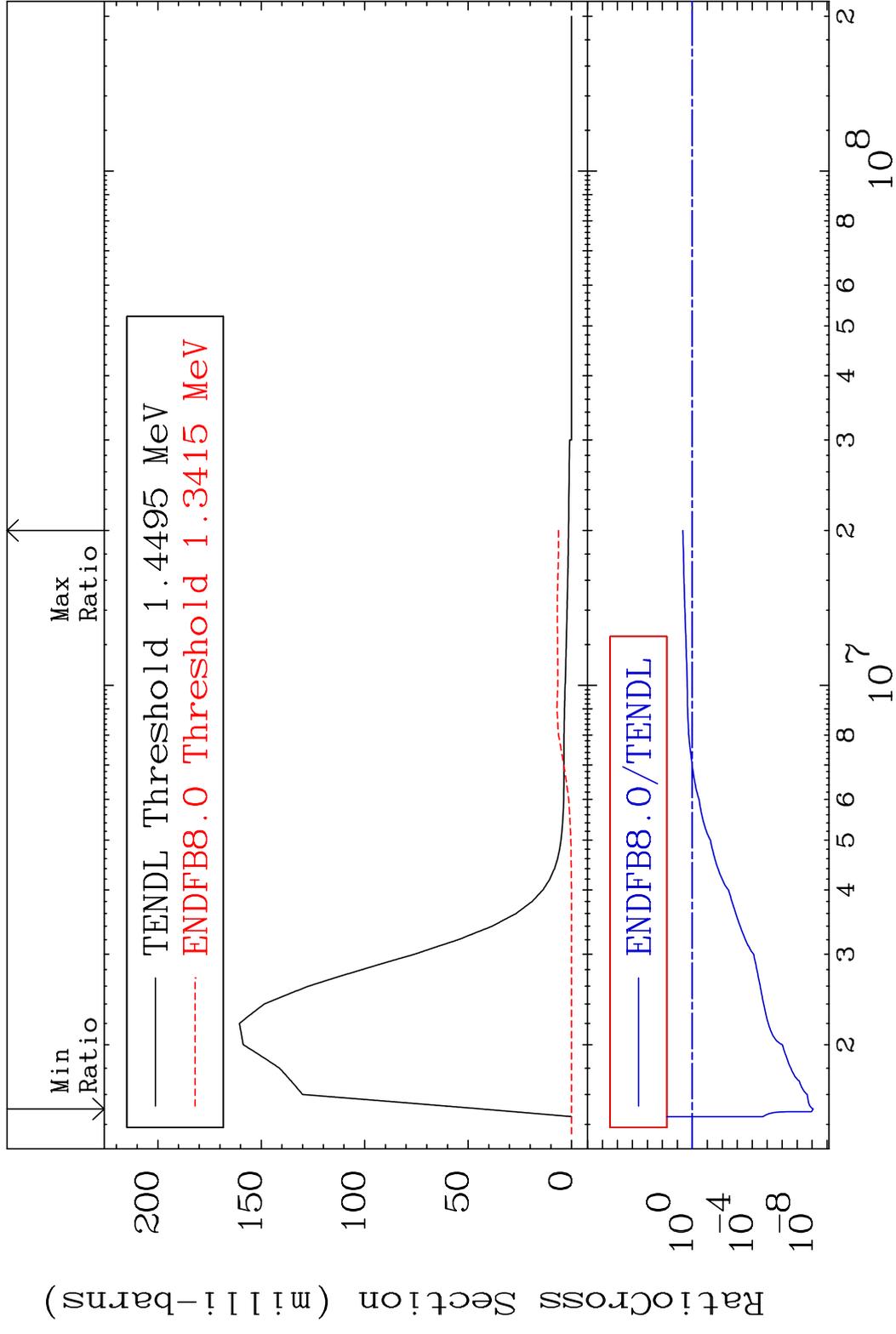
MAT 6255 MT= 63 (n, n') Level 62-Sm-154  
 Cross Section -100.0 To 9999. %



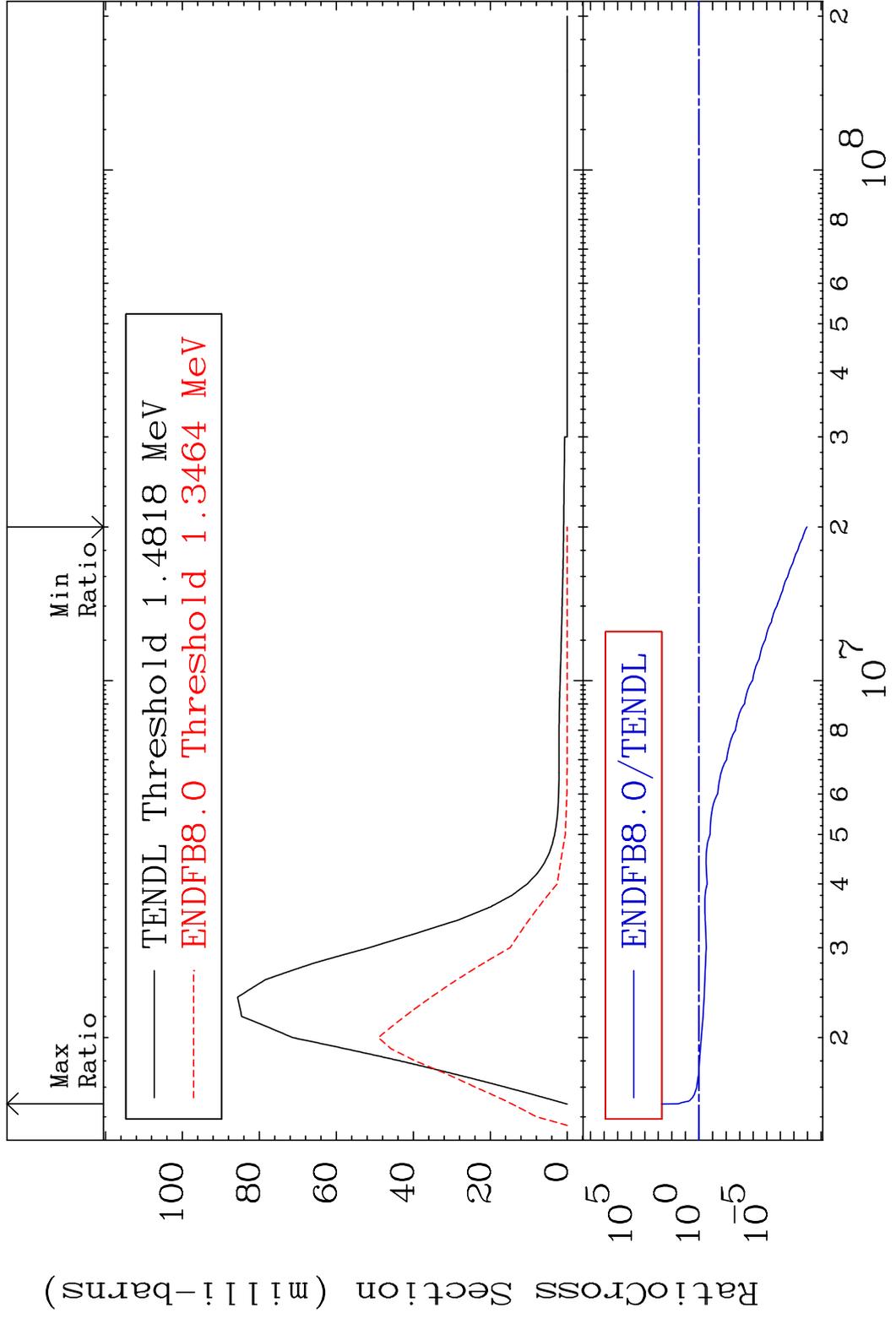
MAT 6255 MT= 64 (n, n') Level 62-Sm-154  
 Cross Section -100.0 To 9999. %



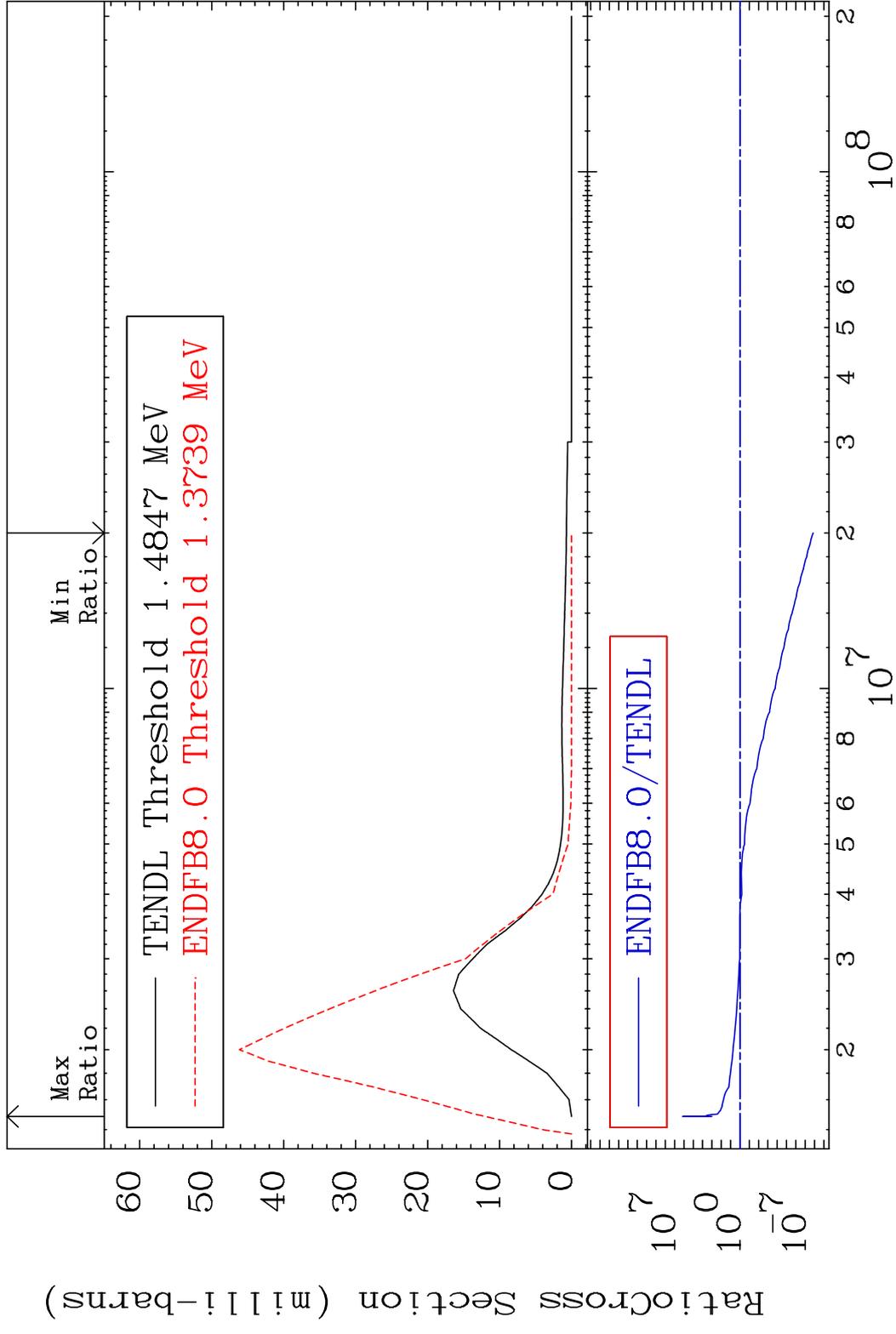
MAT 6255 MT= 65 (n, n') Level 62-Sm-154  
 Cross Section -100.0 To 329.7 %



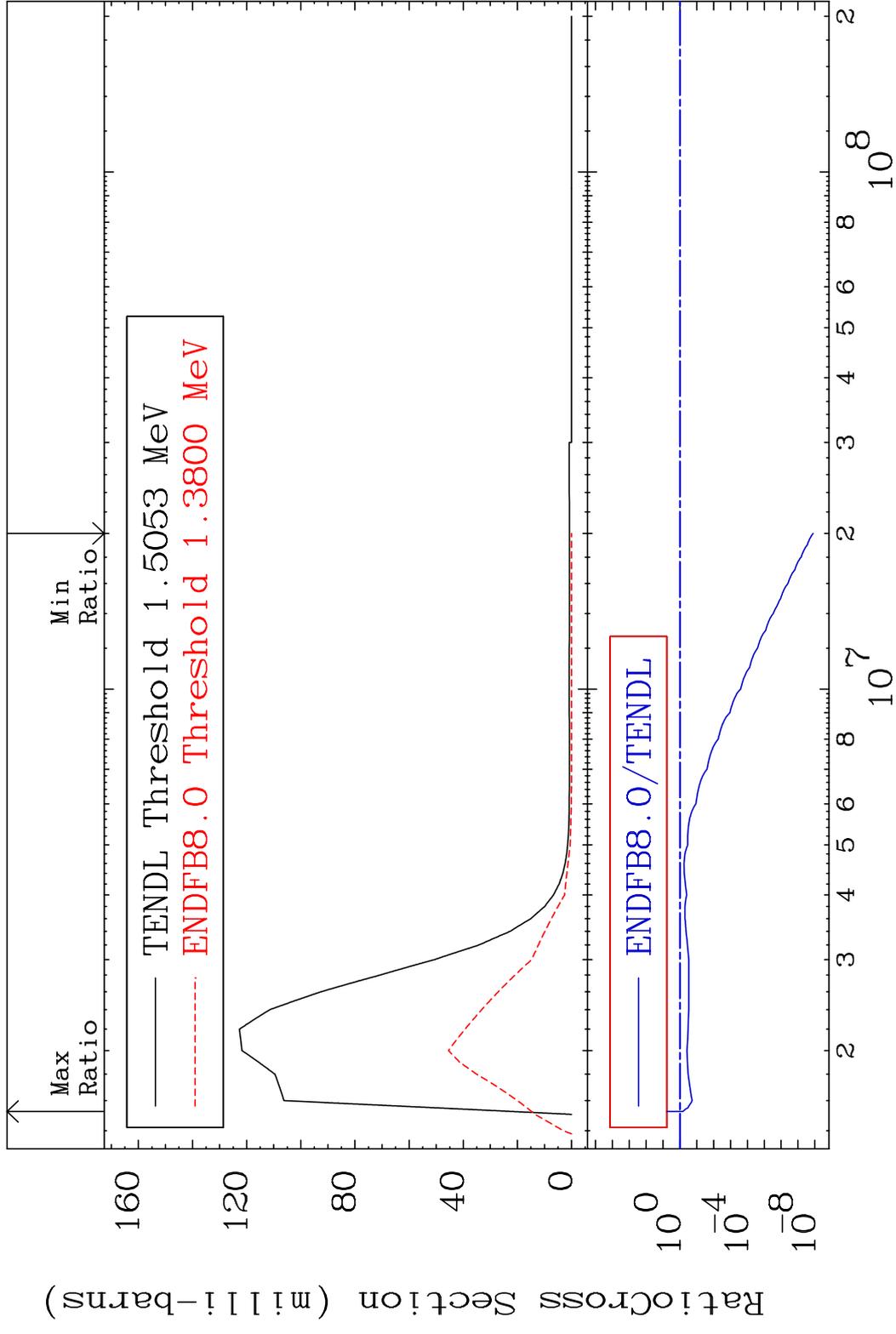
MAT 6255 MT= 66 (n, n') Level 62-Sm-154  
 Cross Section -100.0 To 3636. %



MAT 6255 MT= 67 (n, n') Level 62-Sm-154  
 Cross Section -100.0 To 9999. %

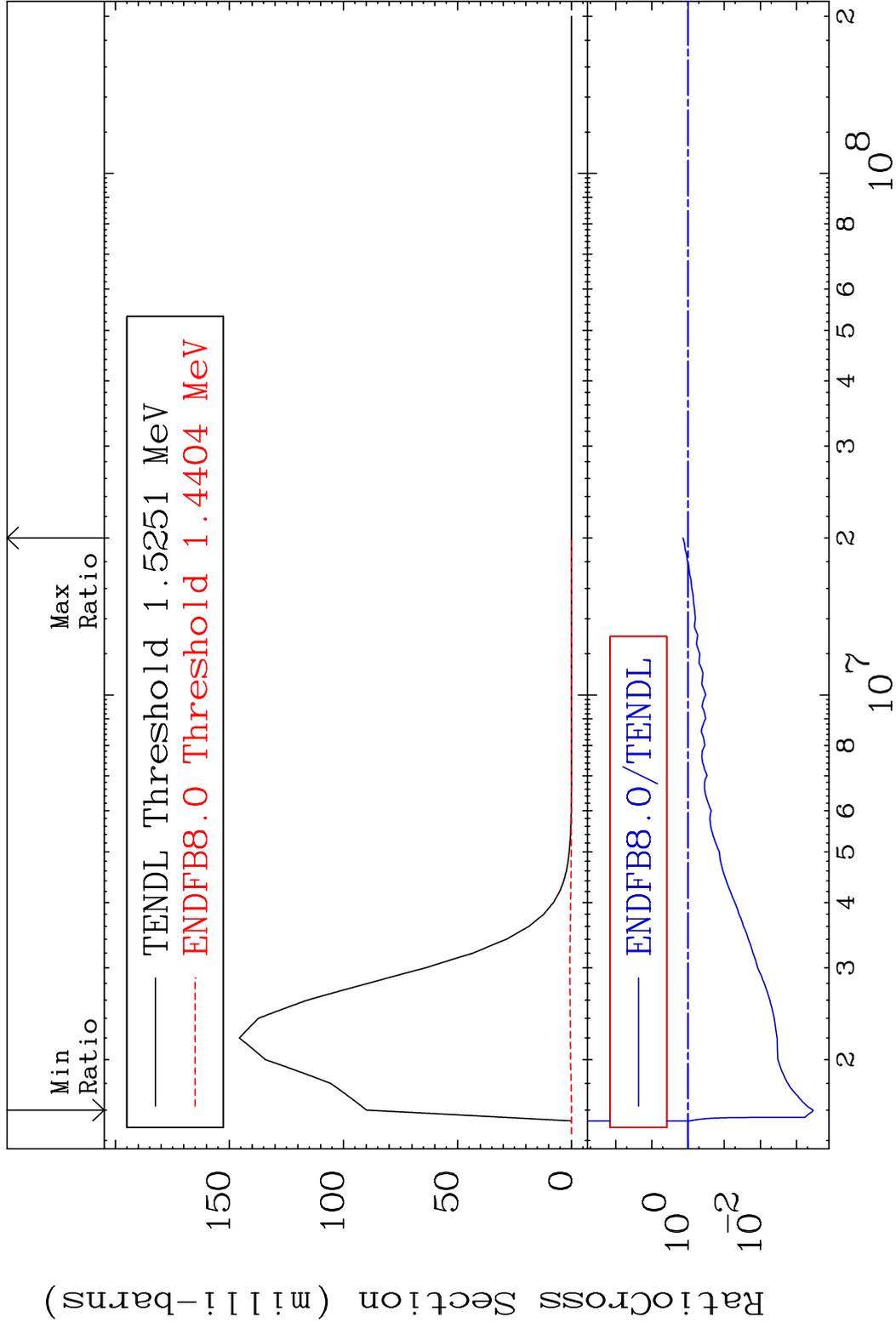


MAT 6255 MT= 68 (n, n') Level 62-Sm-154  
 Cross Section -100.0 To -33.61%



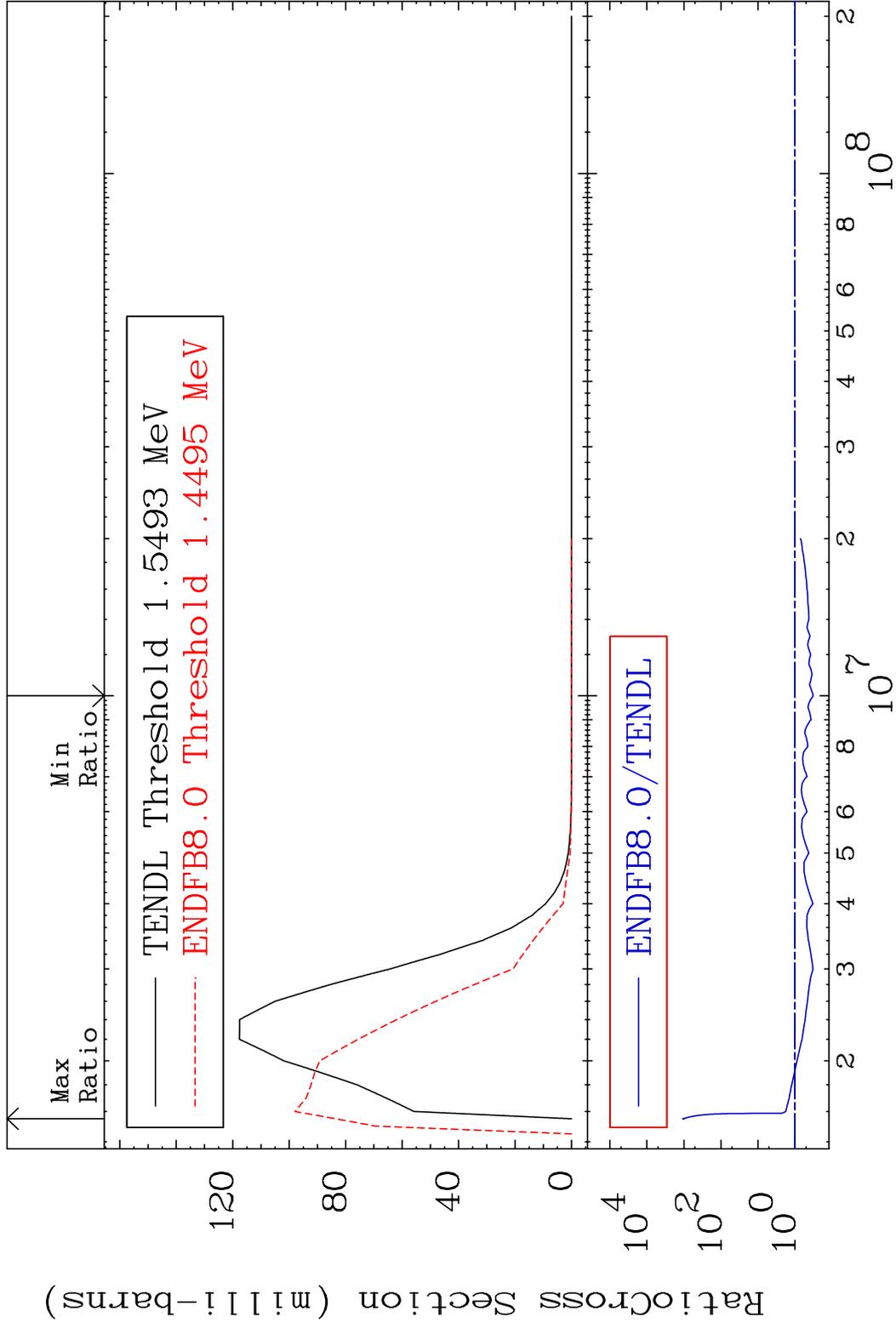
27 Incident Energy (eV) 62-Sm-154

MAT 6255 MT= 69 (n, n') Level 62-Sm-154  
 Cross Section -99.97 To 39.66 %

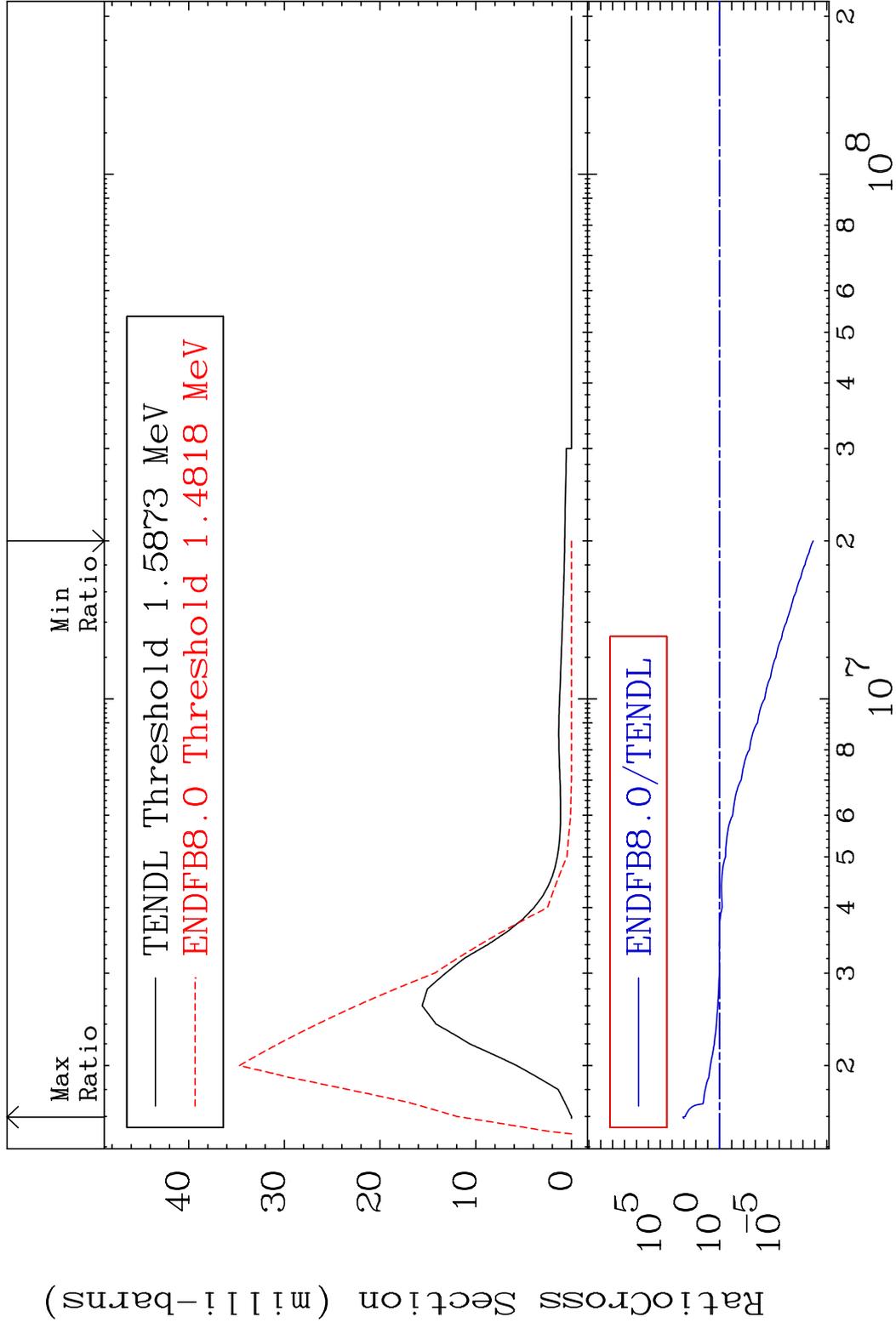


28 Incident Energy (eV) 62-Sm-154

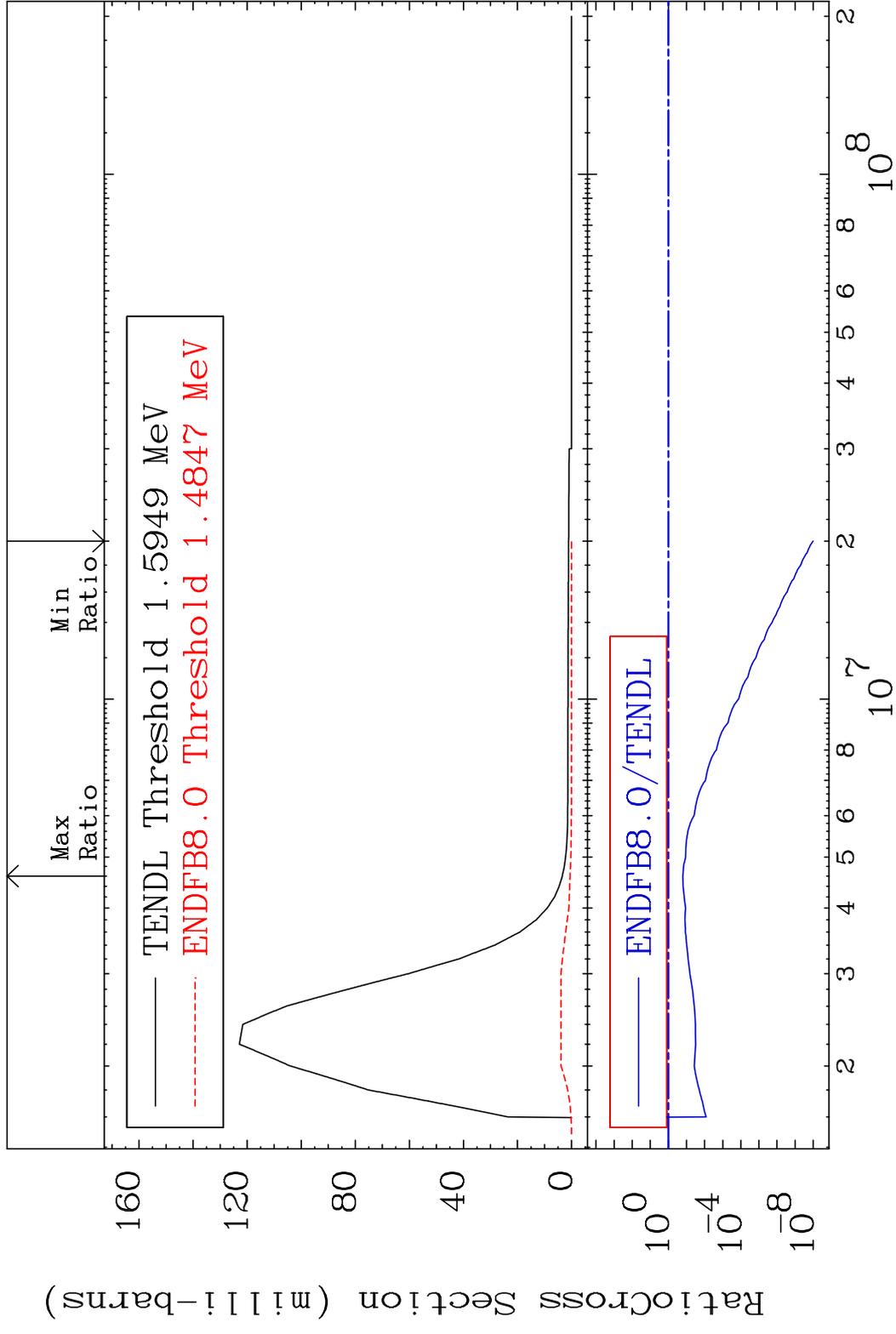
MAT 6255 MT= 70 (n,n') Level 62-Sm-154  
 Cross Section -67.90 To 9999. %



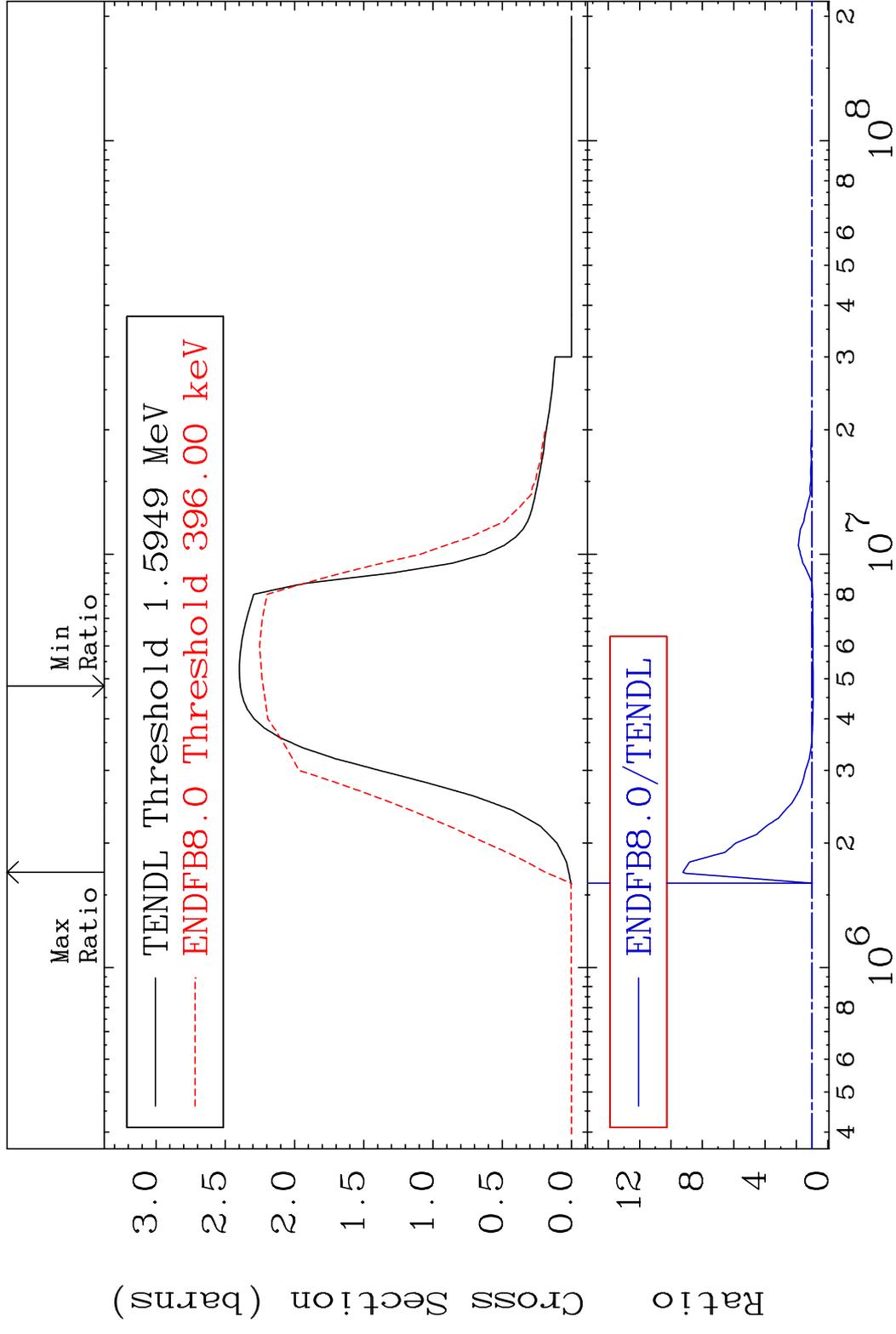
MAT 6255 MT= 71 (n, n') Level 62-Sm-154  
 Cross Section -100.0 To 9999. %



MAT 6255 MT= 72 (n,n') Level 62-Sm-154  
 Cross Section -100.0 To -84.05%



MAT 6255 (n, n') Continuum 62-Sm-154  
 Cross Section -6.910 To 824.4 %

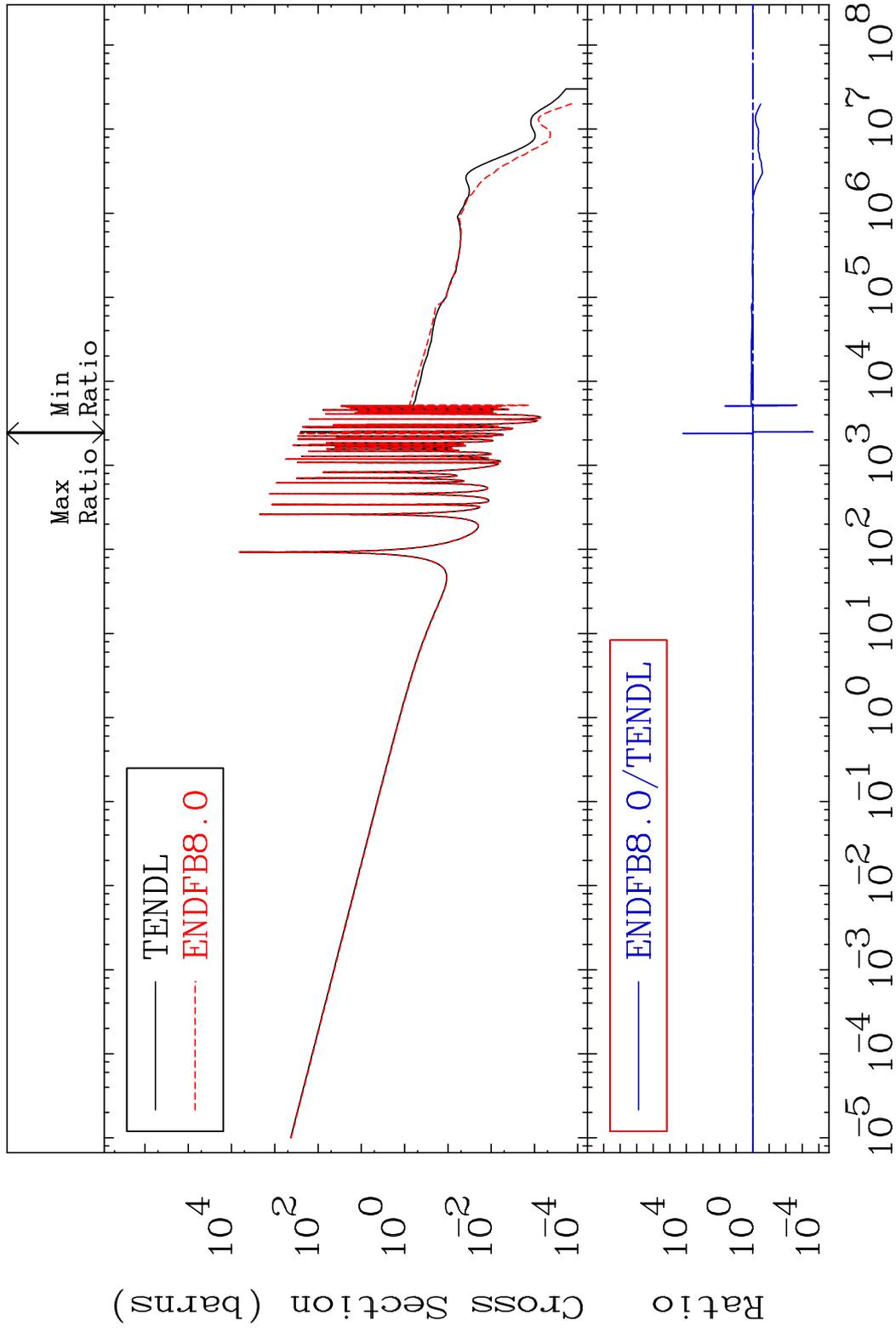


MAT 6255

(n,  $\gamma$ )

62-Sm-154

Cross Section -99.98 To 9999. %



33

Incident Energy (eV)

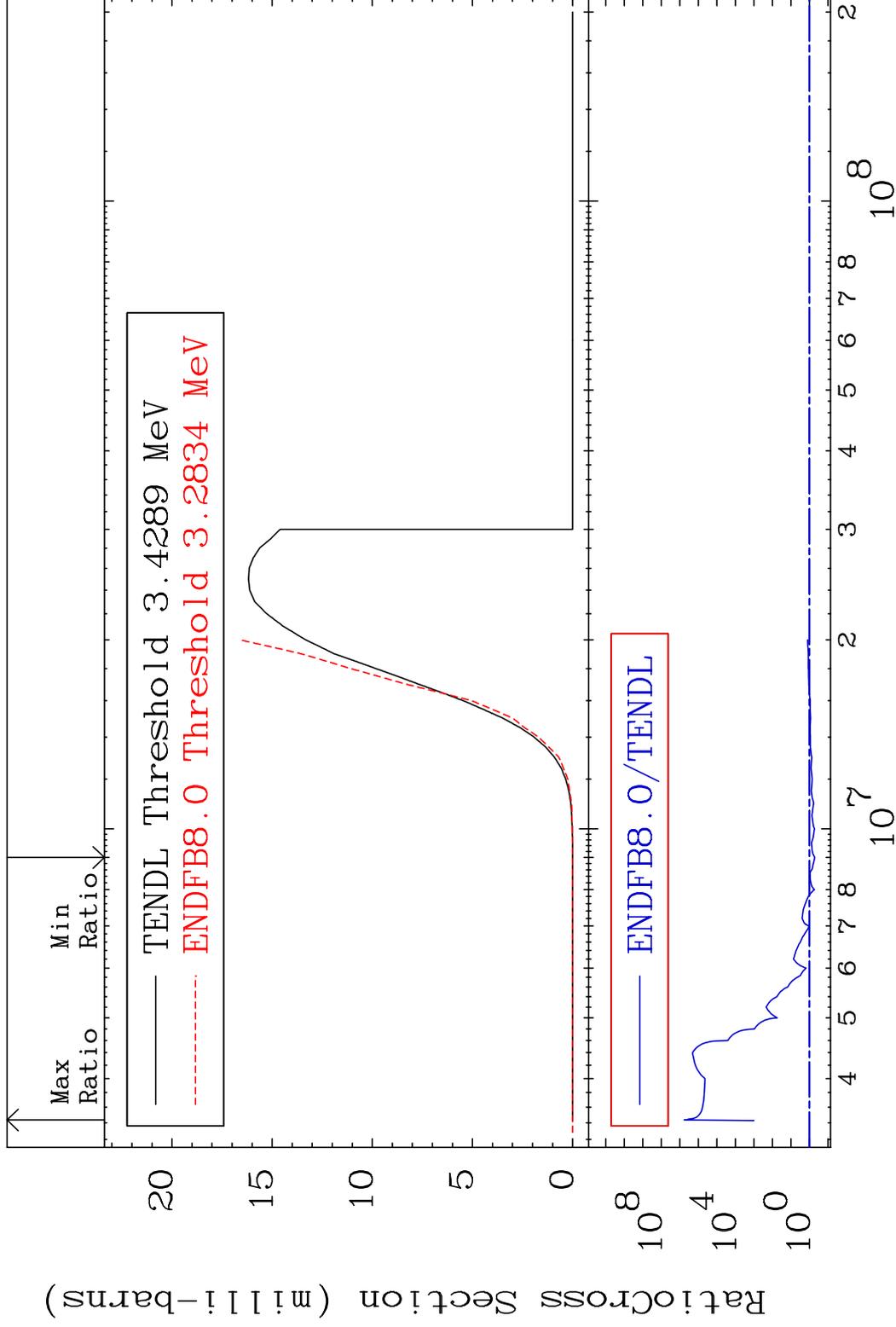
62-Sm-154

MAT 6255

(n,p)

62-Sm-154

Cross Section -48.16 To 9999. %



34

Incident Energy (eV)

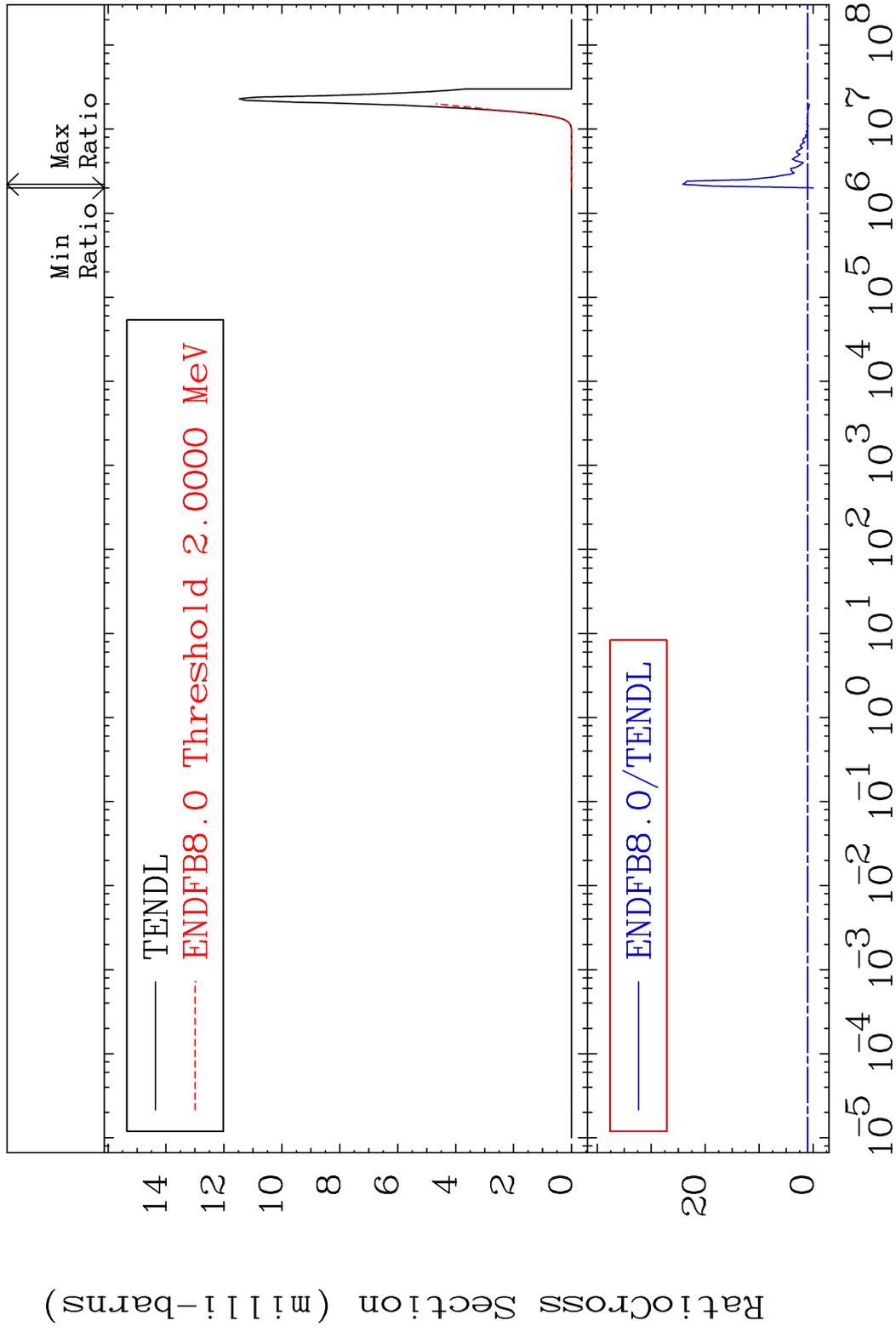
62-Sm-154

MAT 6255

(n,  $\alpha$ )

62-Sm-154

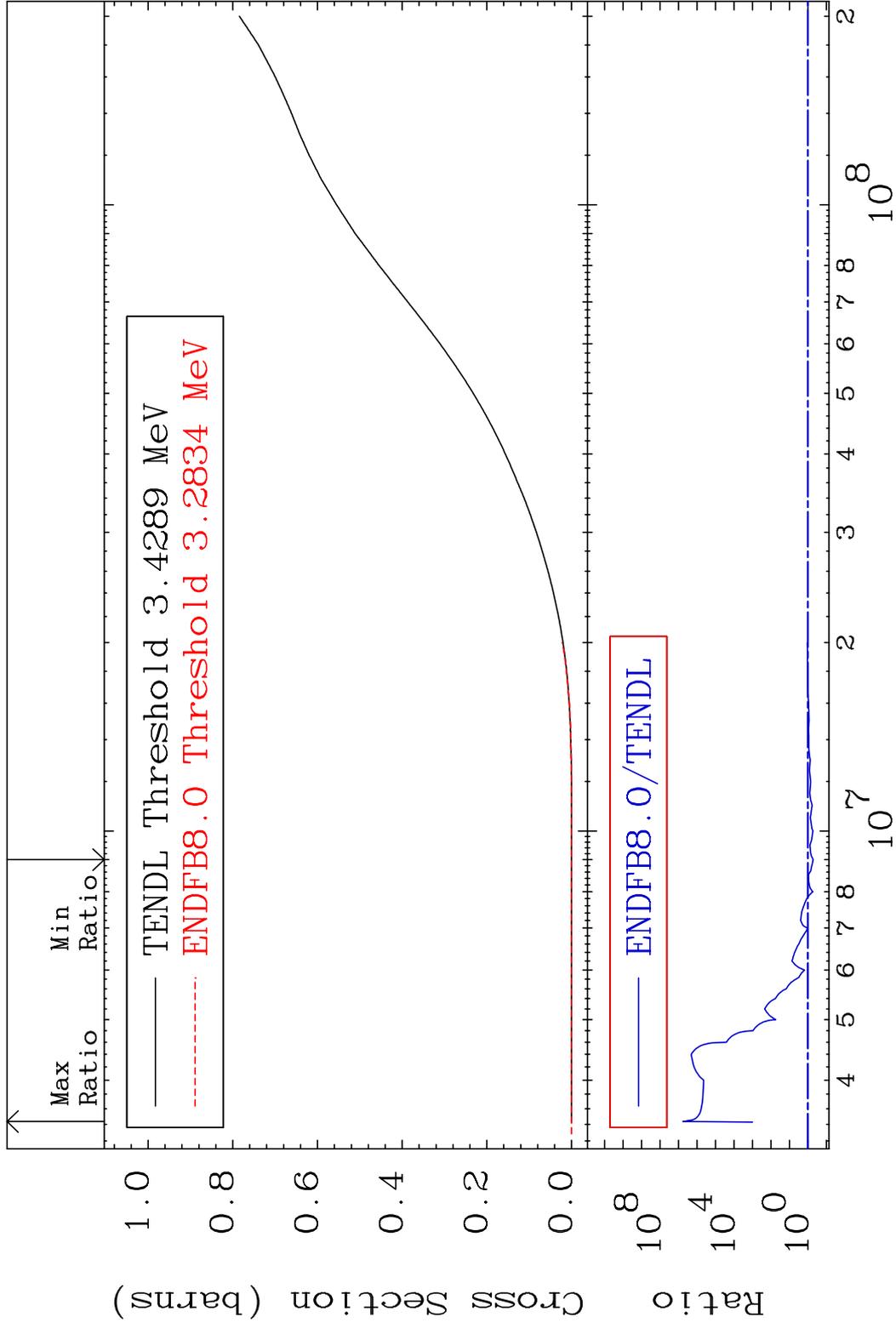
Cross Section -100.0 To 2315. %



35

Incident Energy (eV)

62-Sm-154

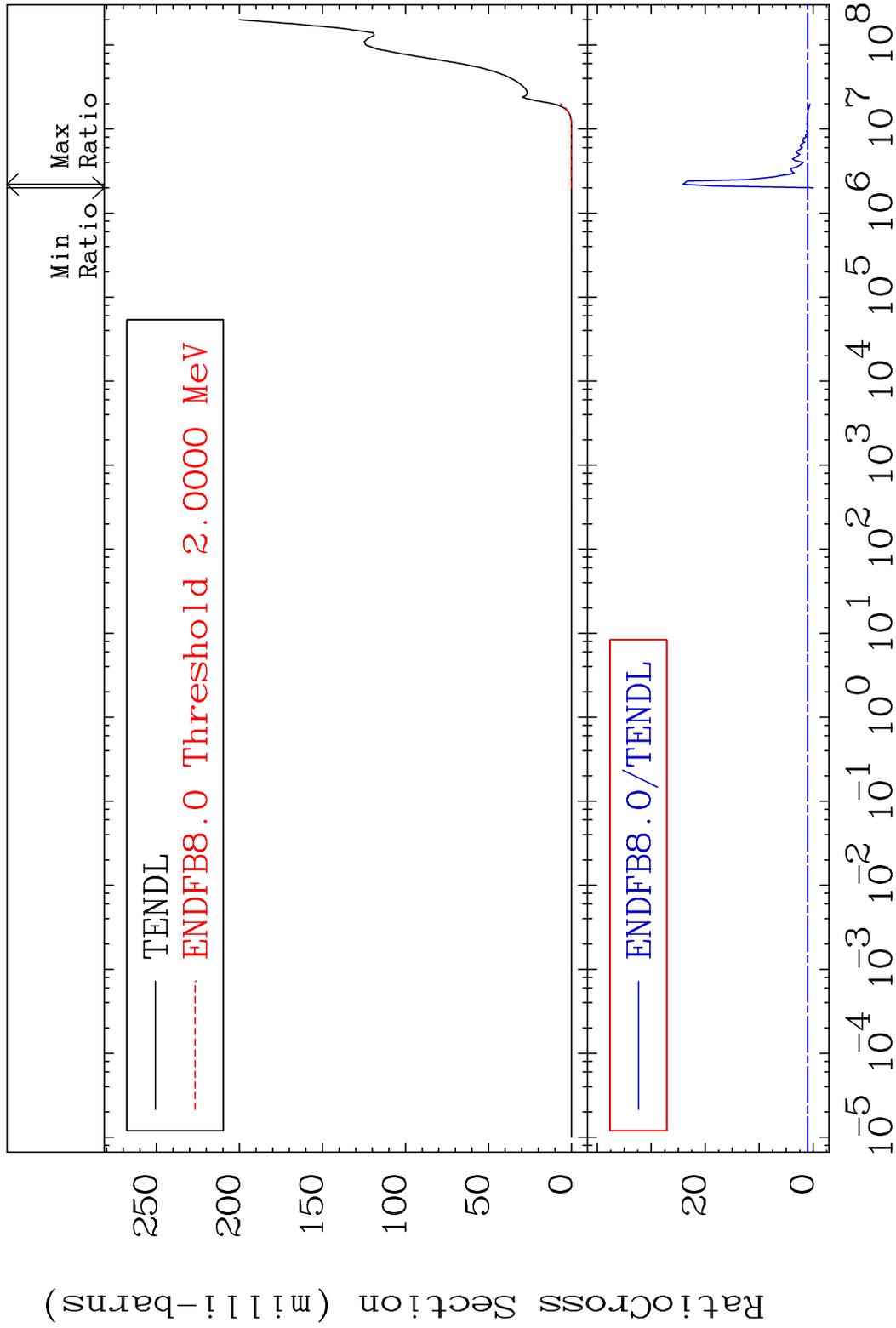


MAT 6255

He-4 Production

62-Sm-154

Cross Section -100.0 To 2315. %

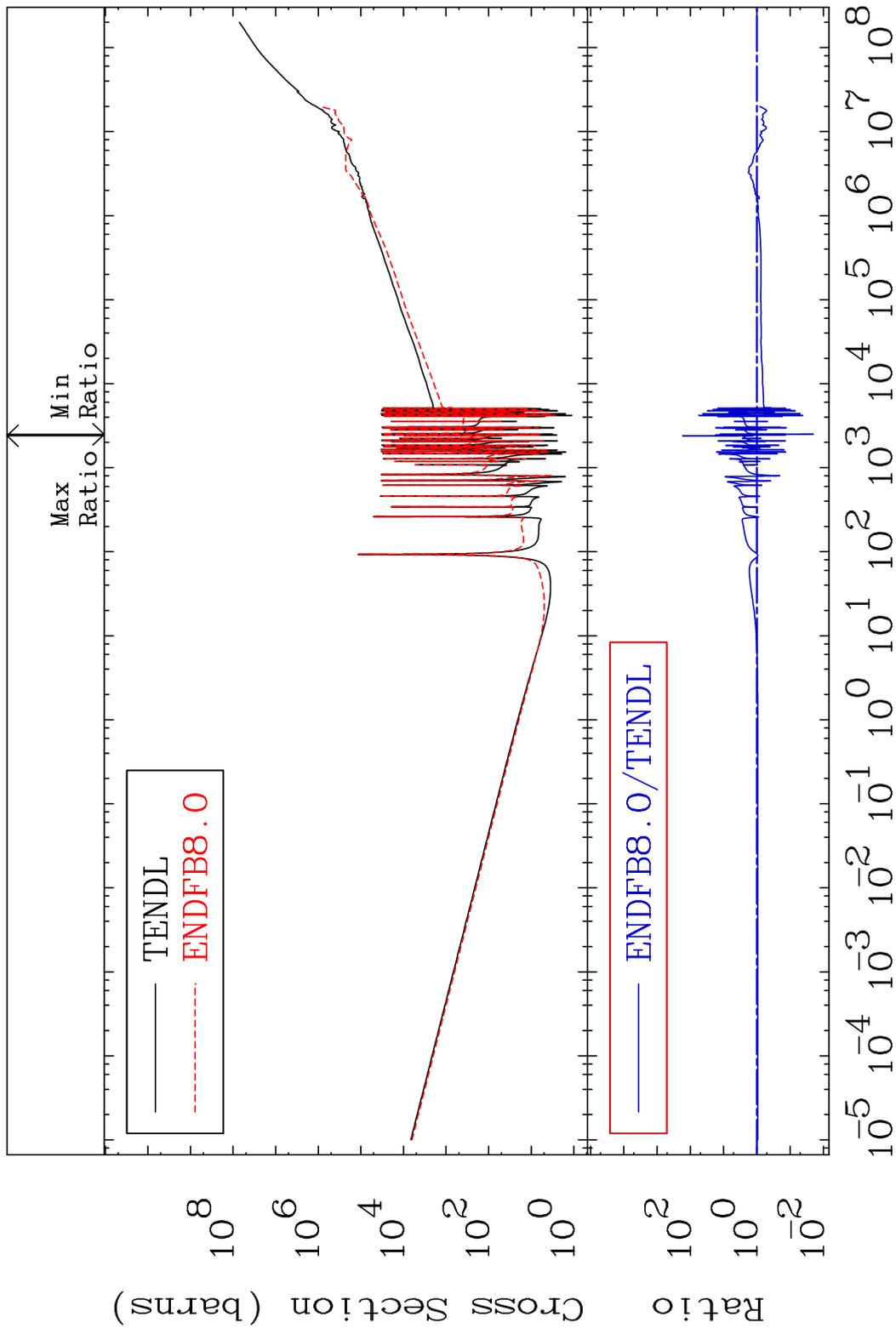


37

Incident Energy (eV)

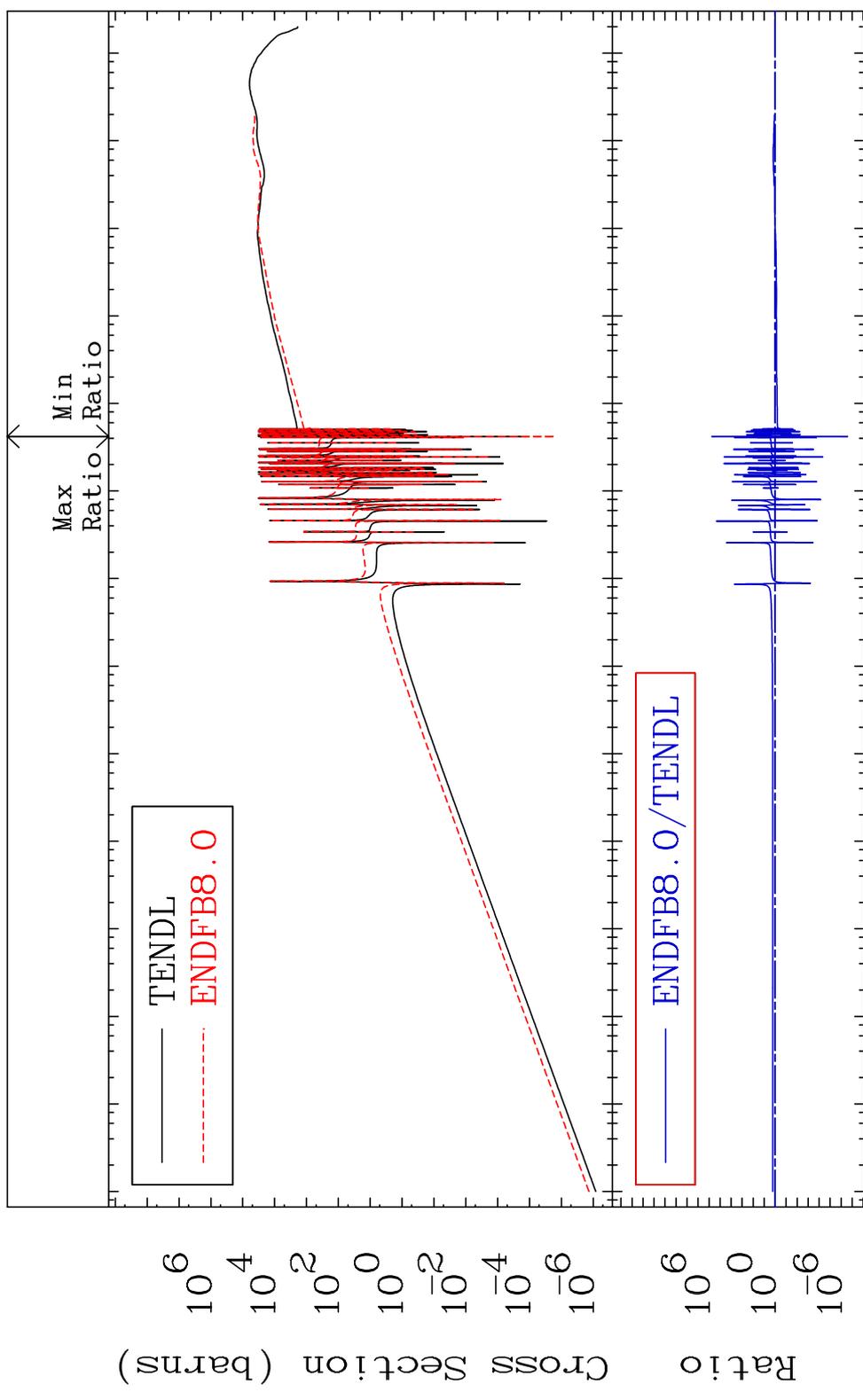
62-Sm-154

MAT 6255 Kerma total (eV-barns) 62-Sm-154  
 Cross Section -97.97 To 9999. %



MAT 6255

Kerma elastic Cross Section -100.0 To 9999. %  
62-Sm-154

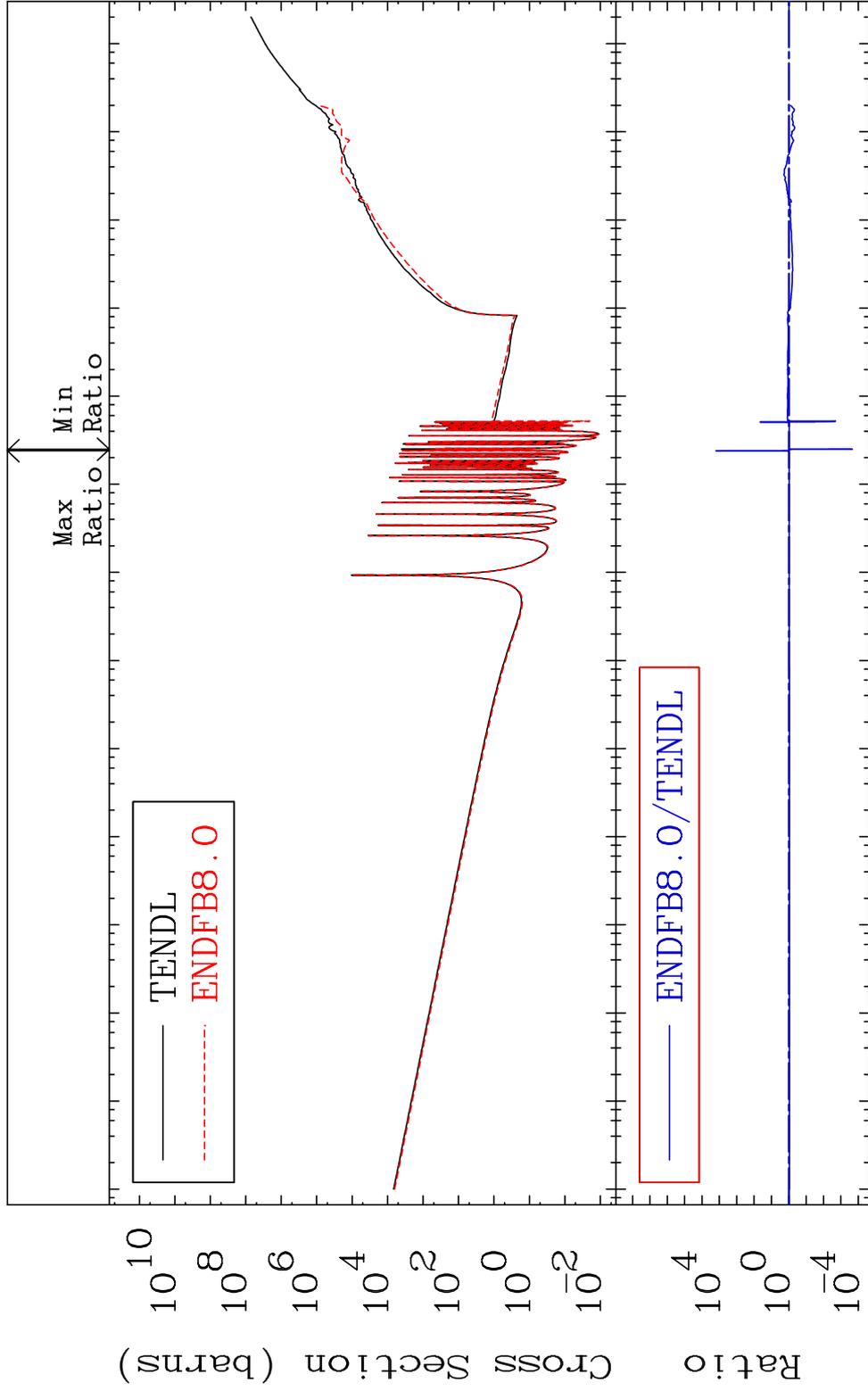


39

Incident Energy (eV)

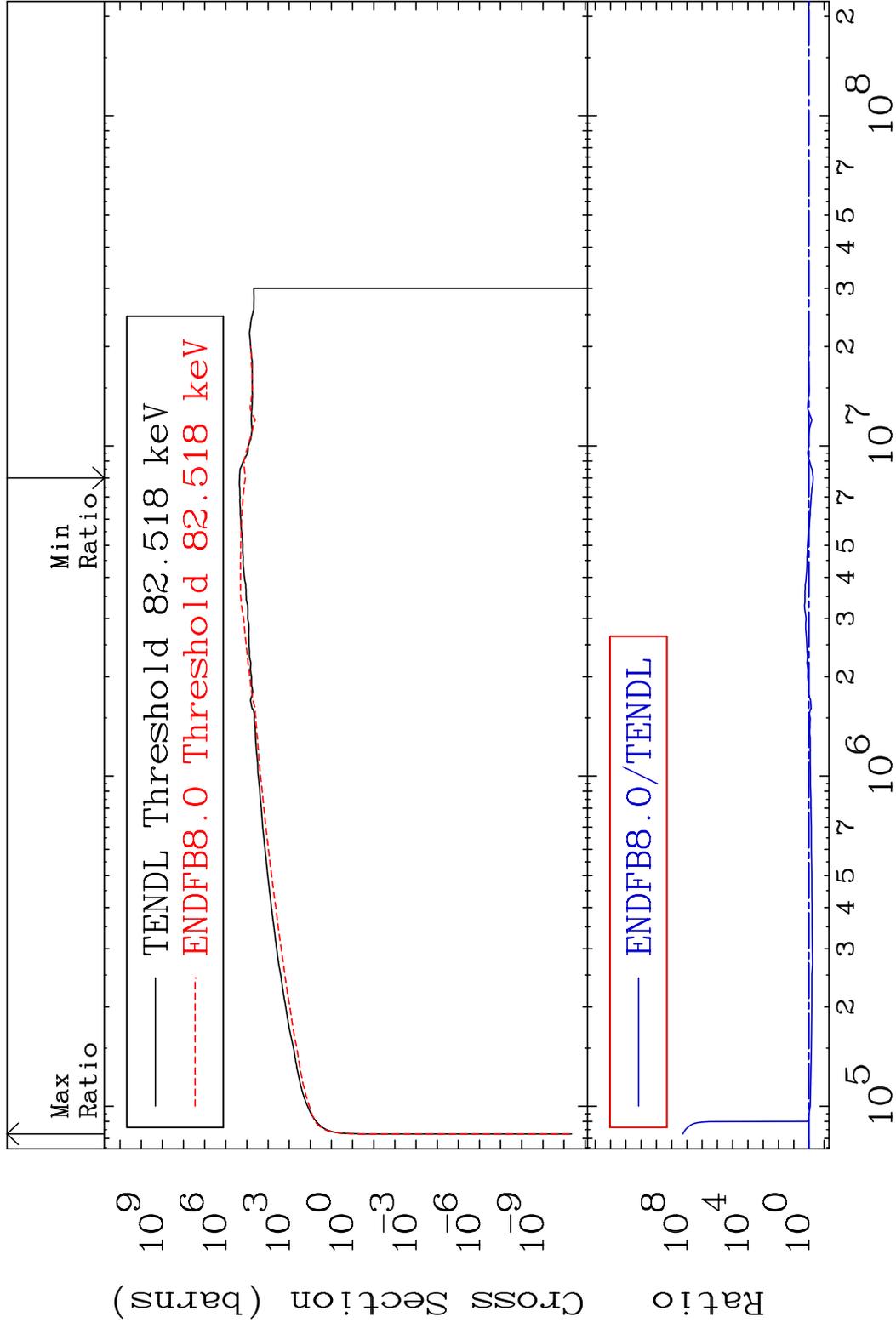
62-Sm-154

MAT 6255 Kerma non-elastic (all but mt2) 62-Sm-154  
 Cross Section -99.98 To 9999. %



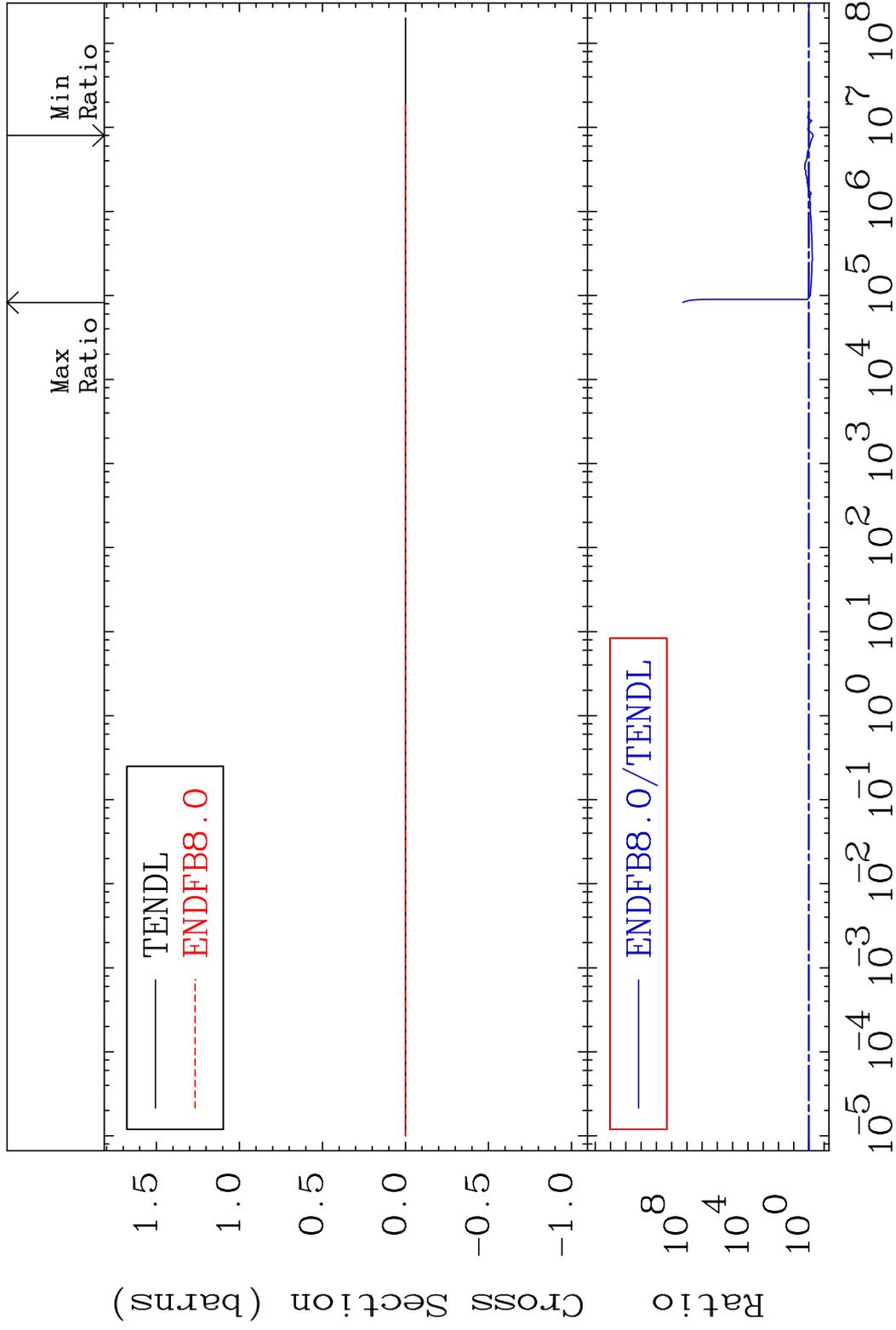
40 Incident Energy (eV) 62-Sm-154

MAT 6255 Kerma inelastic (mt51-91) 62-Sm-154  
 Cross Section -46.88 To 9999. %



41 Incident Energy (eV) 62-Sm-154

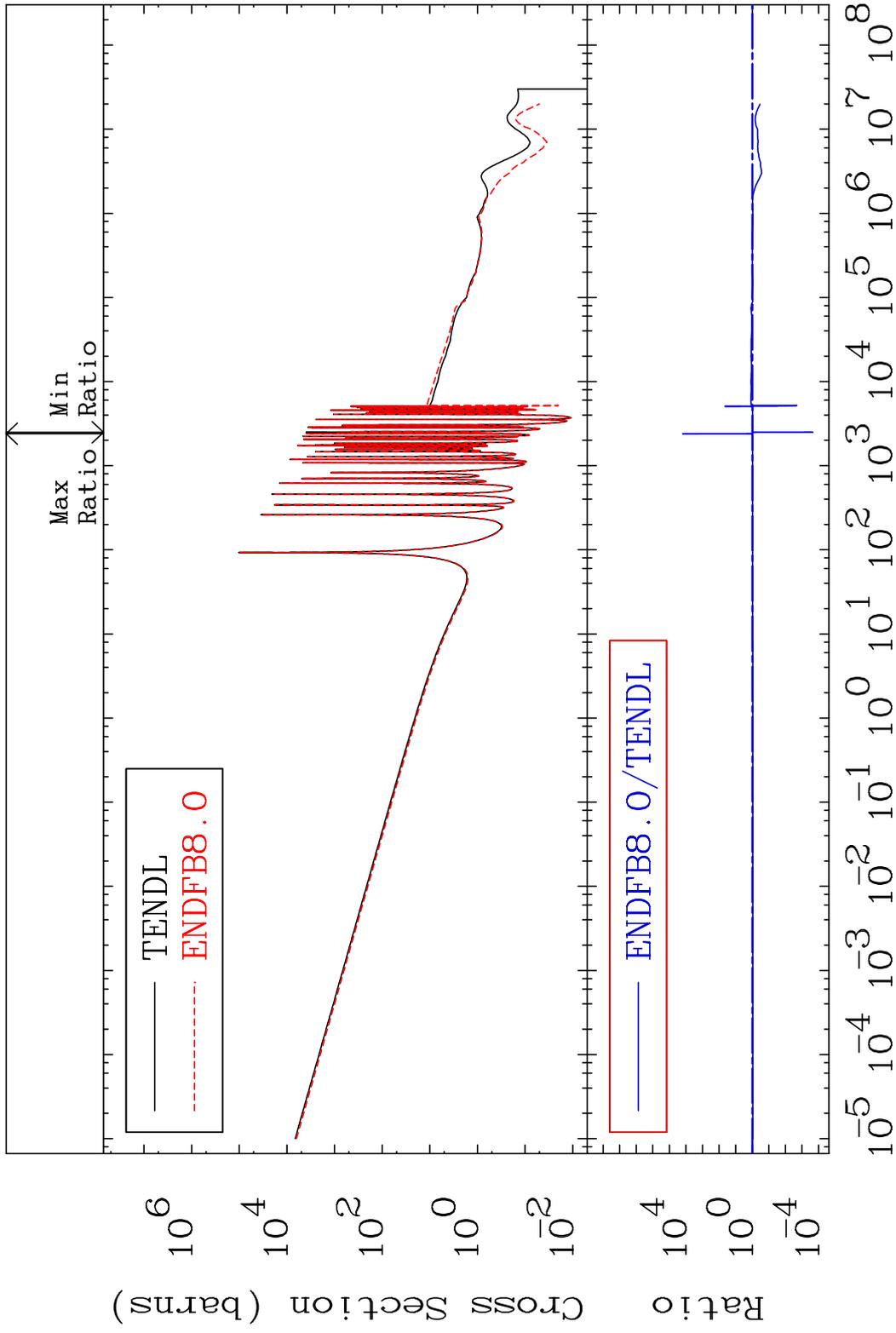
MAT 6255 Kerma fission (mt18 or mt19-20-21-38)  $^{62}\text{Sm}$ -154  
 Cross Section -46.88 To 9999. %



MAT 6255

Kerma capture (mt102) 62-Sm-154

Cross Section -99.98 To 9999. %

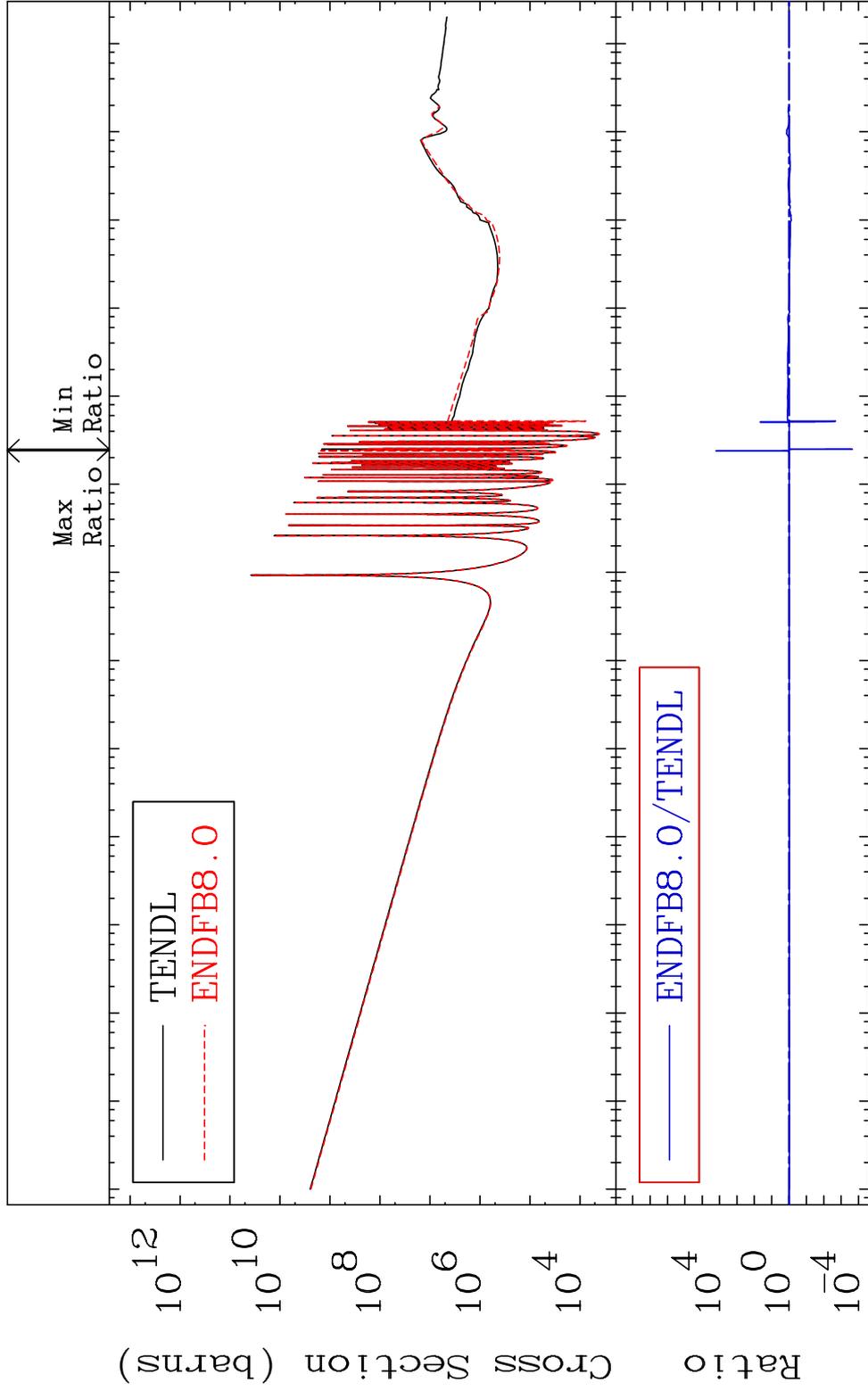


43

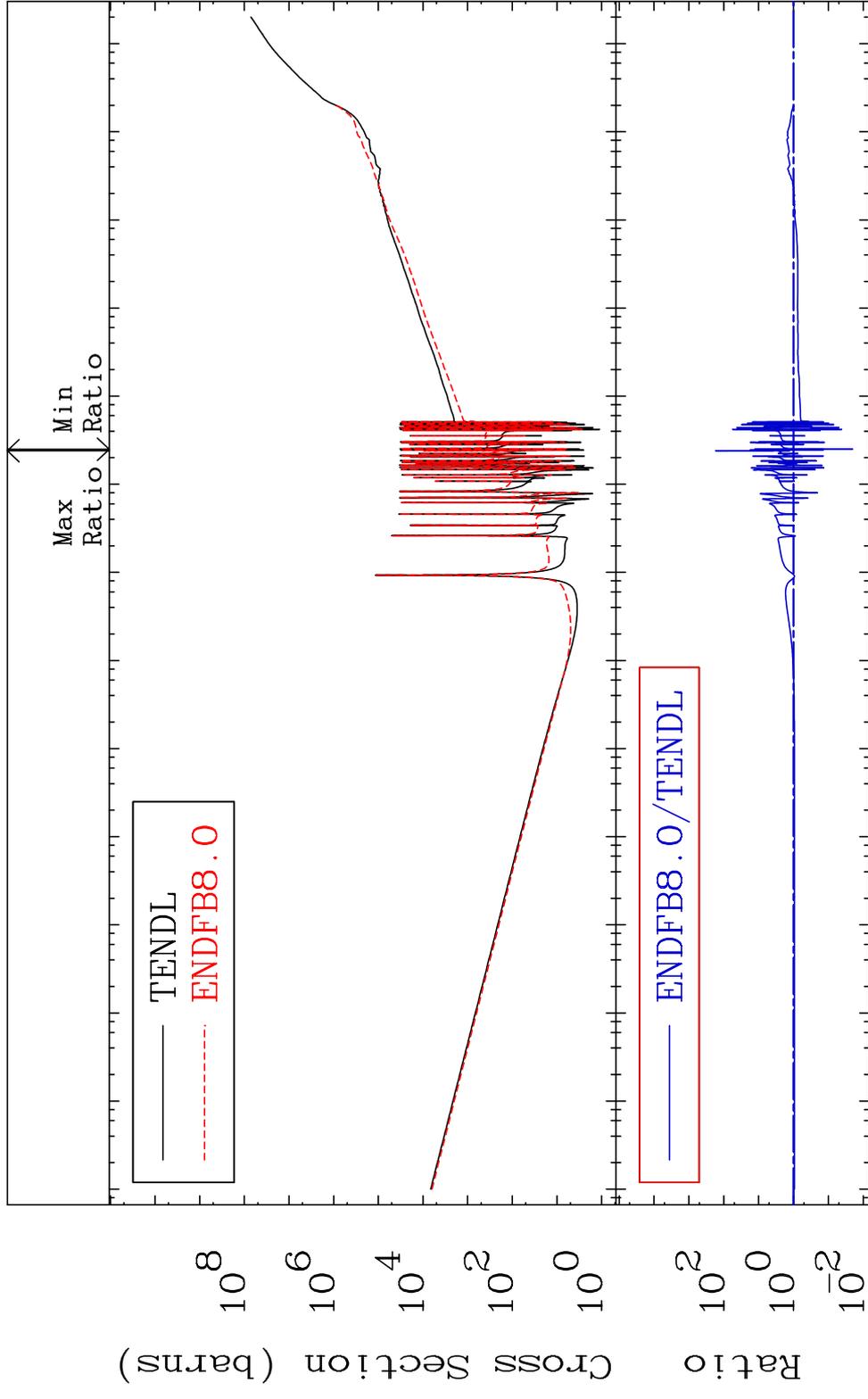
Incident Energy (eV)

62-Sm-154

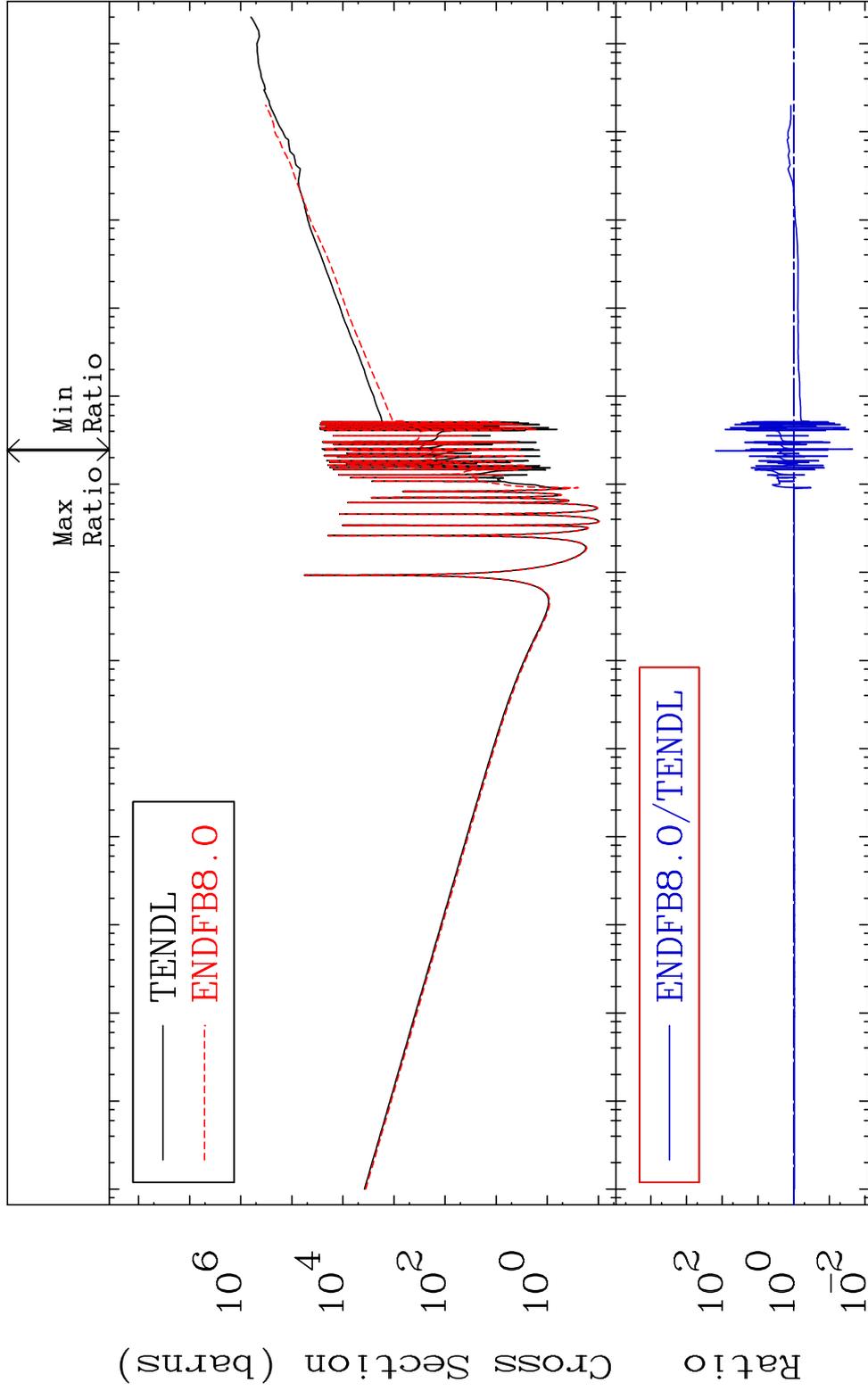
MAT 6255 Total photon (eV-barns) 62-Sm-154  
 Cross Section -99.98 To 9999. %



MAT 6255 Total kinematic kerma (high limit) 62-Sm-154  
 Cross Section -97.97 To 9999. %



MAT 6255      Dpa total (eV-barns)      62-Sm-154  
 Cross Section      -97.75 To 9999. %

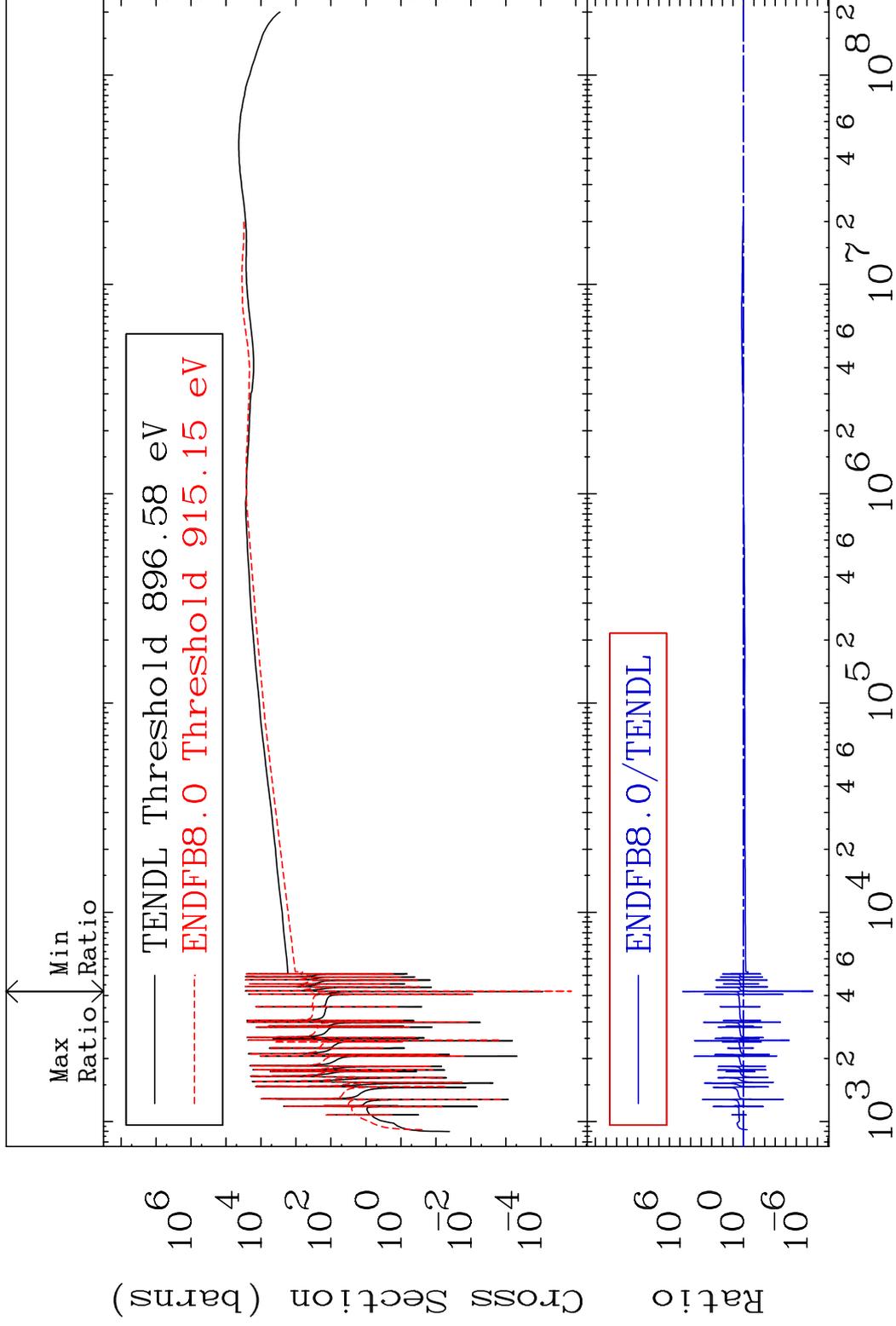


MAT 6255

Dpa elastic (mt2)

62-Sm-154

Cross Section -100.0 To 9999. %

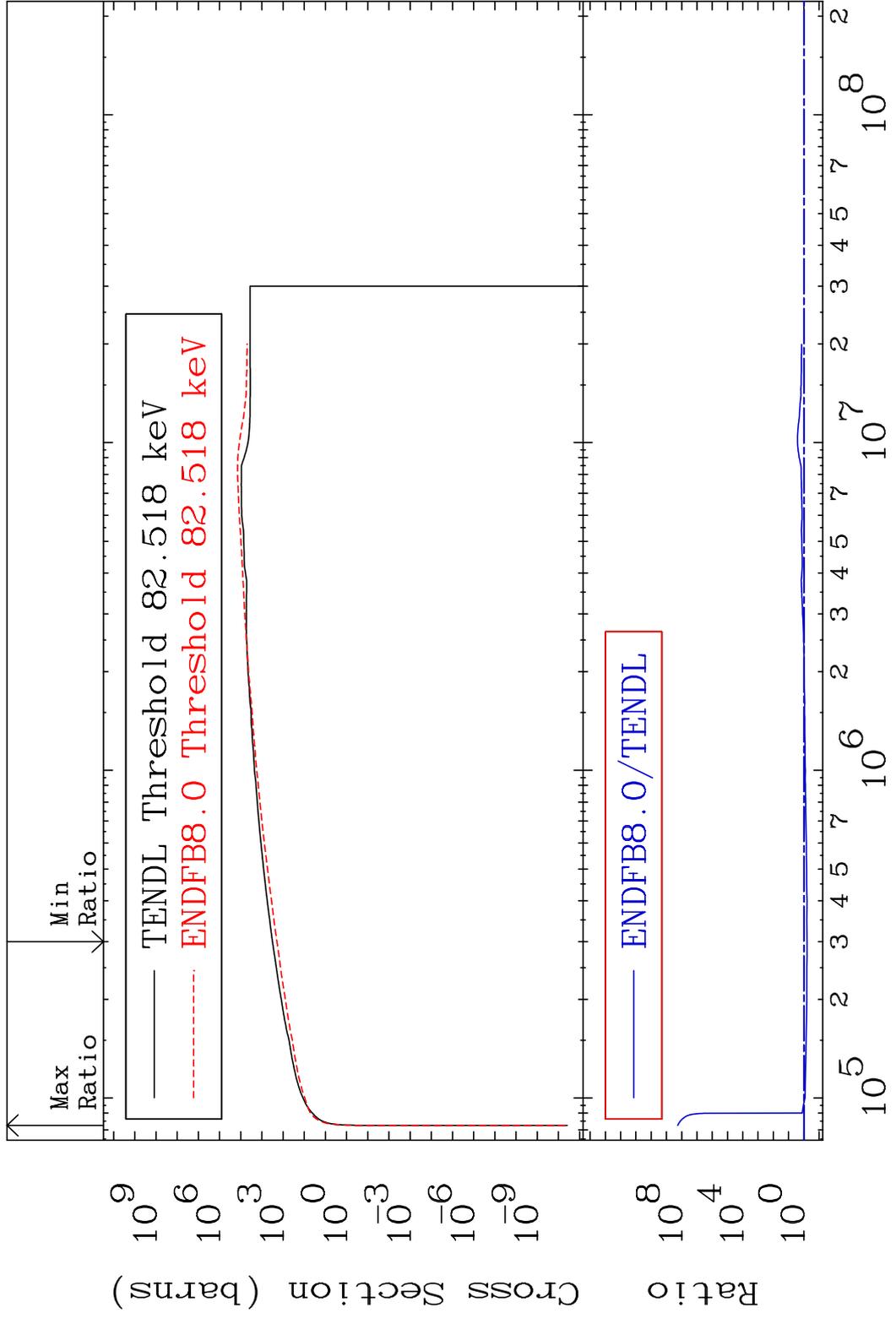


47

Incident Energy (eV)

62-Sm-154

MAT 6255 Dpa inelastic (mt51-91) 62-Sm-154  
 Cross Section -38.37 To 9999. %



MAT 6255 Dpa disappearance (mt102 -120) 62-Sm-154  
 Cross Section -99.98 To 9999. %

