

Program Complot  
(Version 2021-1)

by

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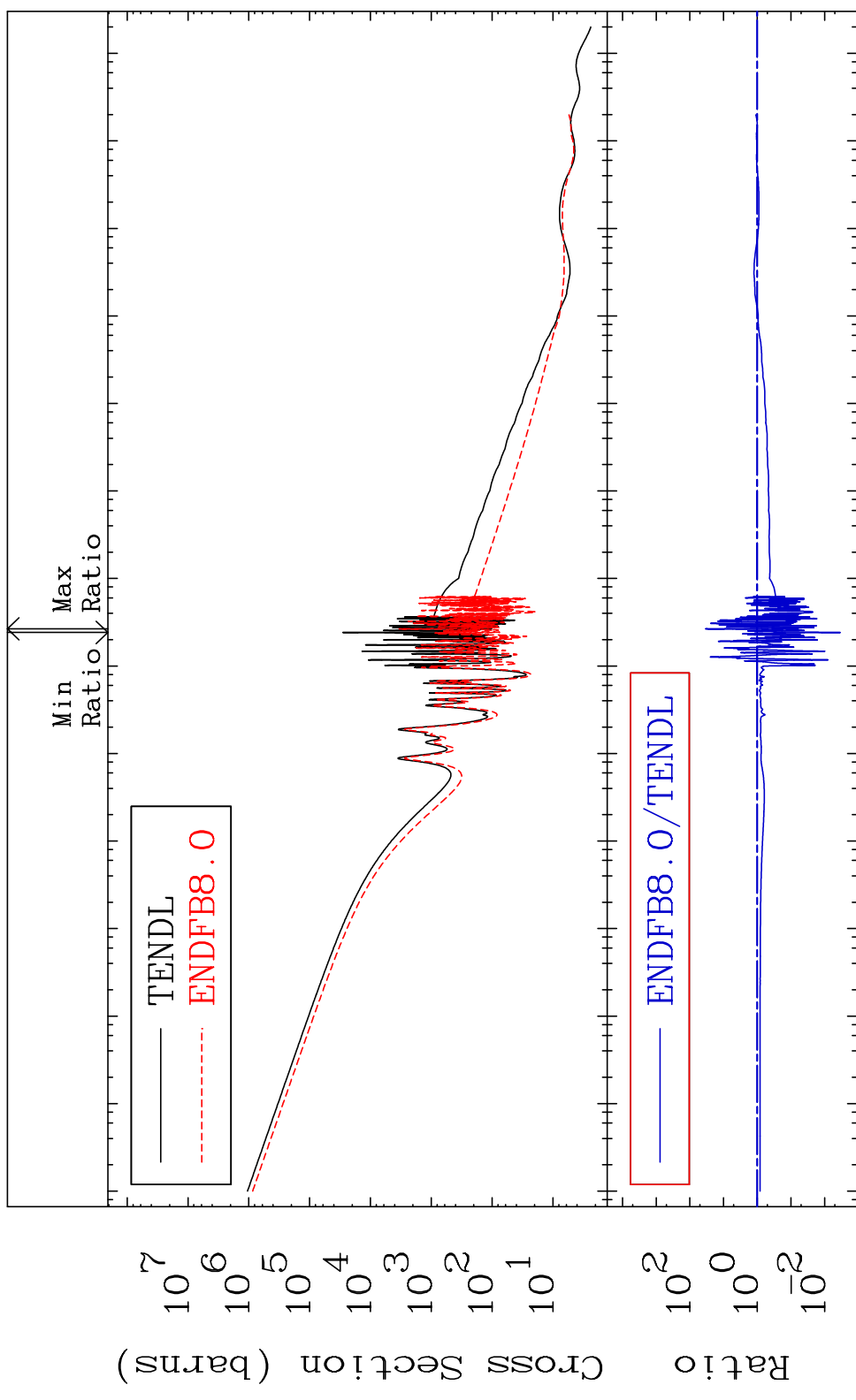
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Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6328

Total Cross Section -99.66 To 3274. %  
63-Eu-152



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>

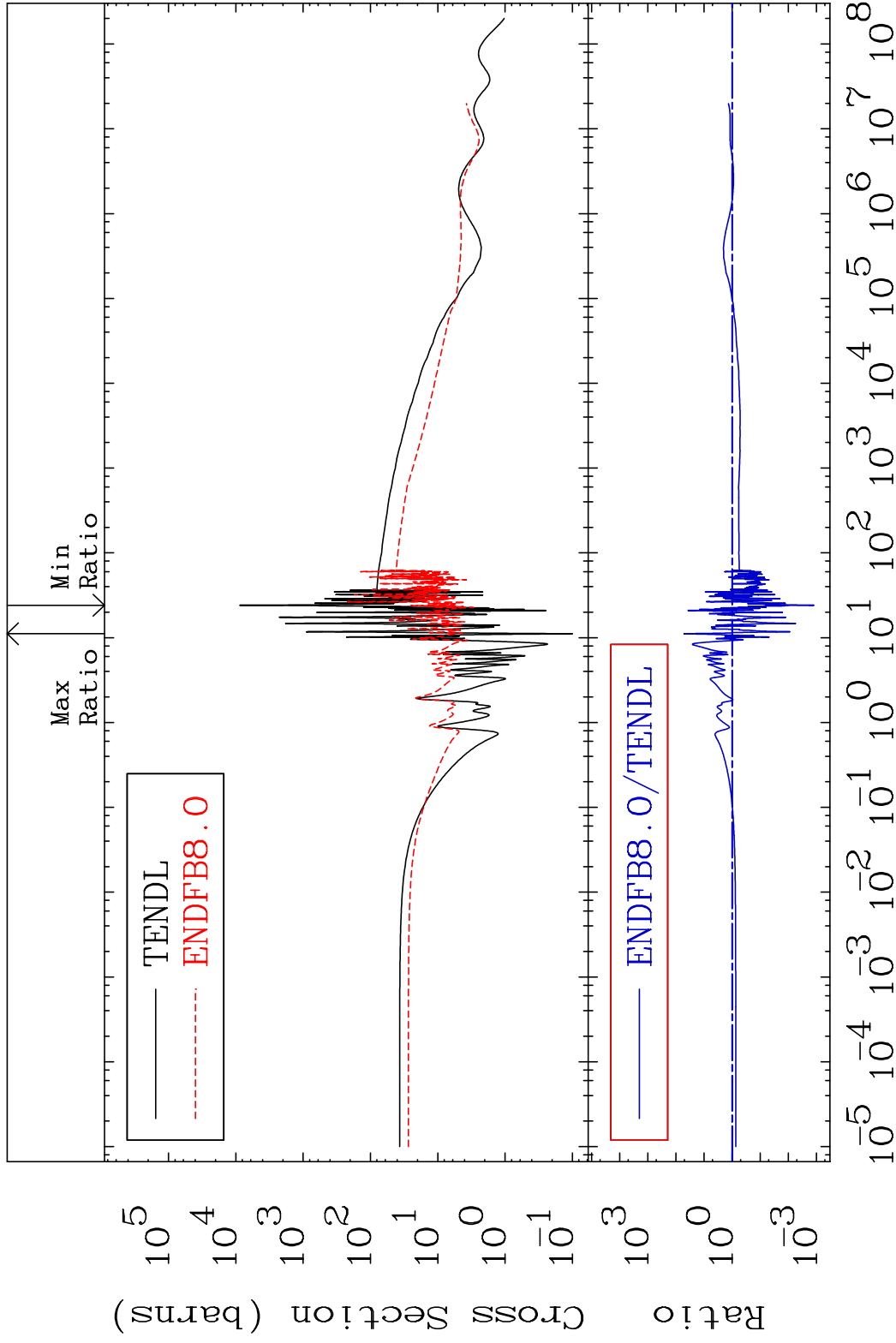
Incident Energy (eV) 63-Eu-152

MAT 6328

Elastic

63-Eu-152

Cross Section -99.88 To 5174. %

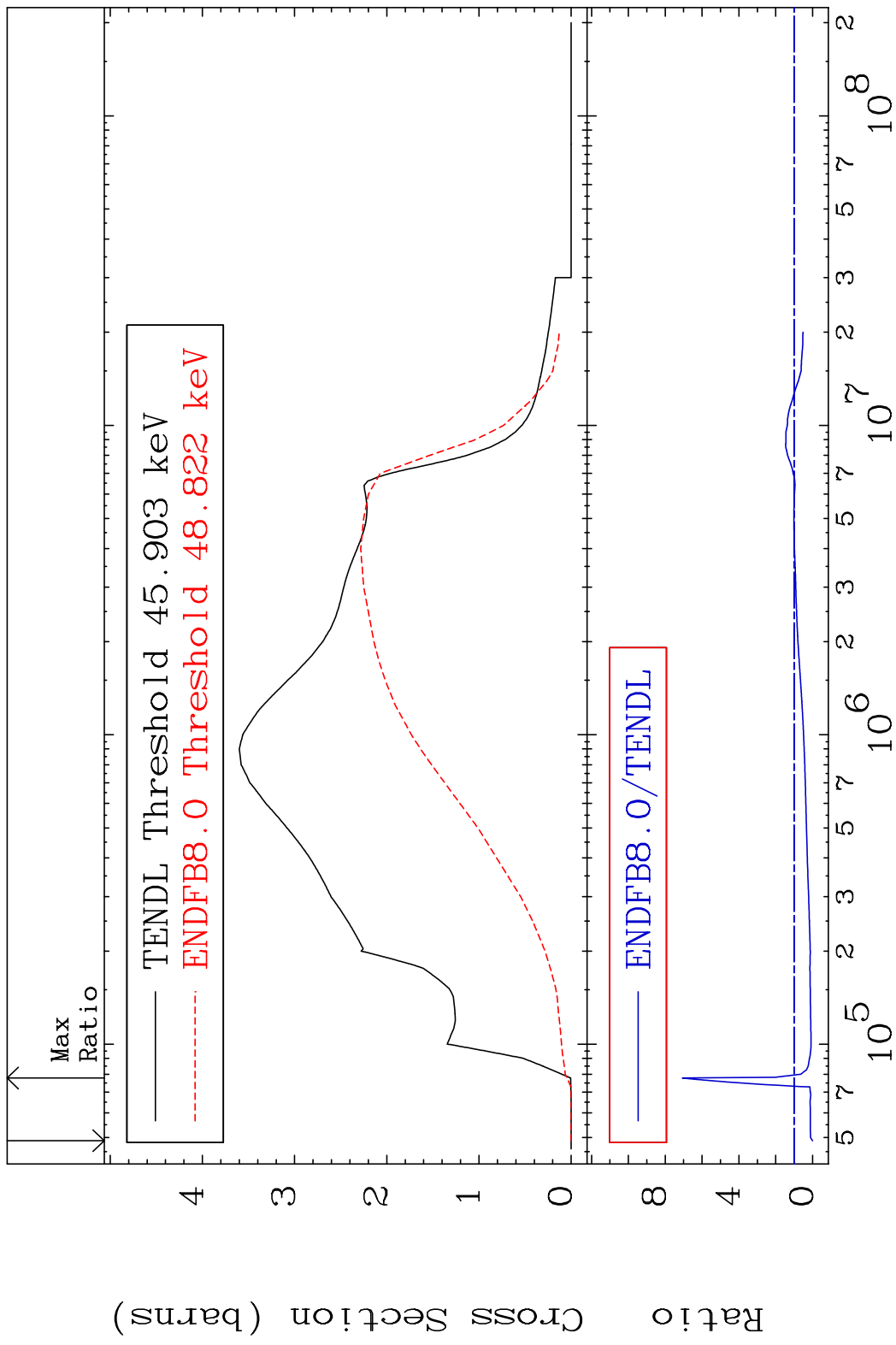


2

Incident Energy (eV)

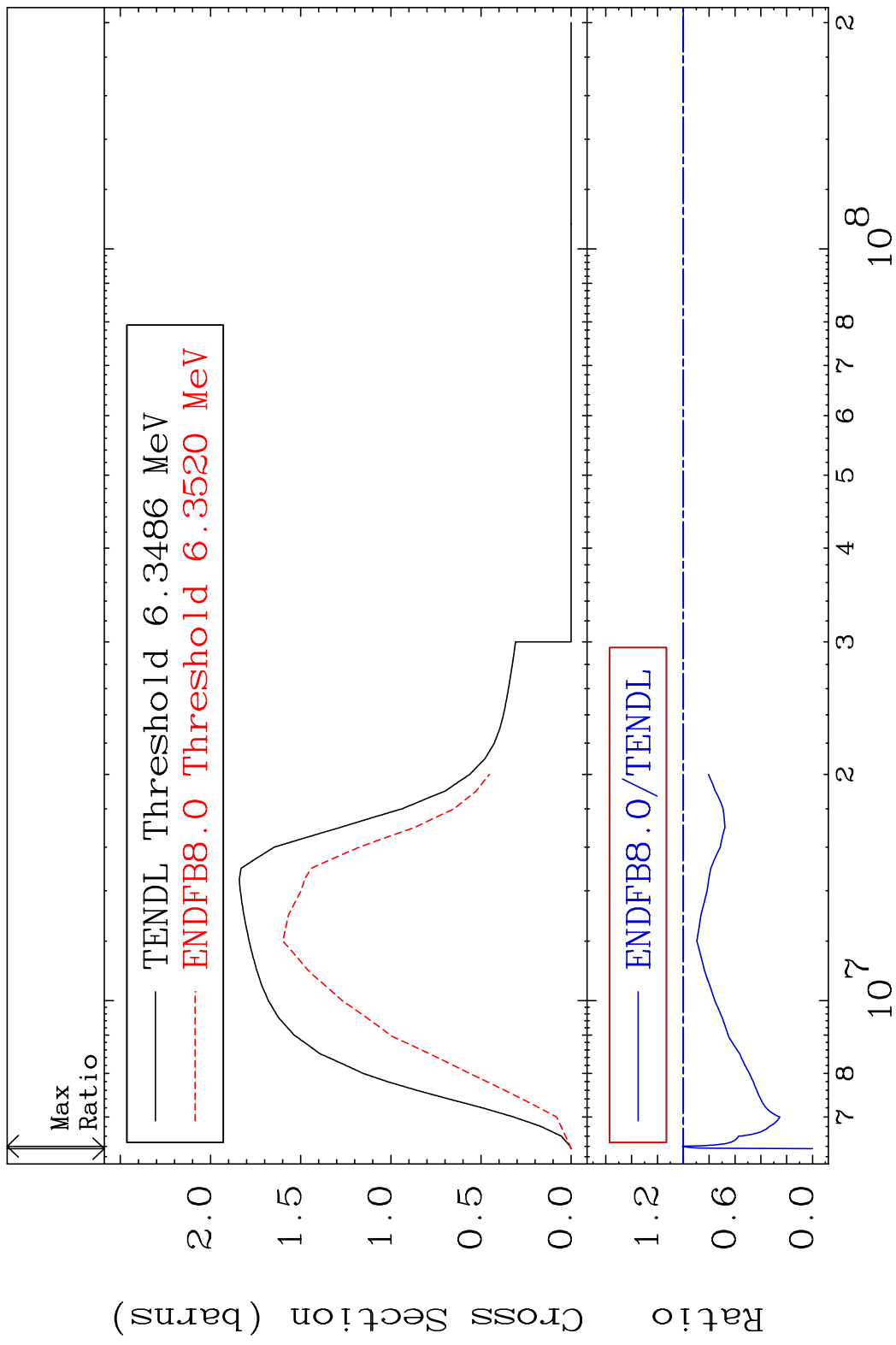
63-Eu-152

MAT 6328 Inelastic 63-Eu-152  
 Cross Section -100.0 To 607.0 %



3 Incident Energy (eV) 63-Eu-152

MAT 6328 (n,2n) 63-Eu-152  
 Cross Section -100.0 To 0.759 %



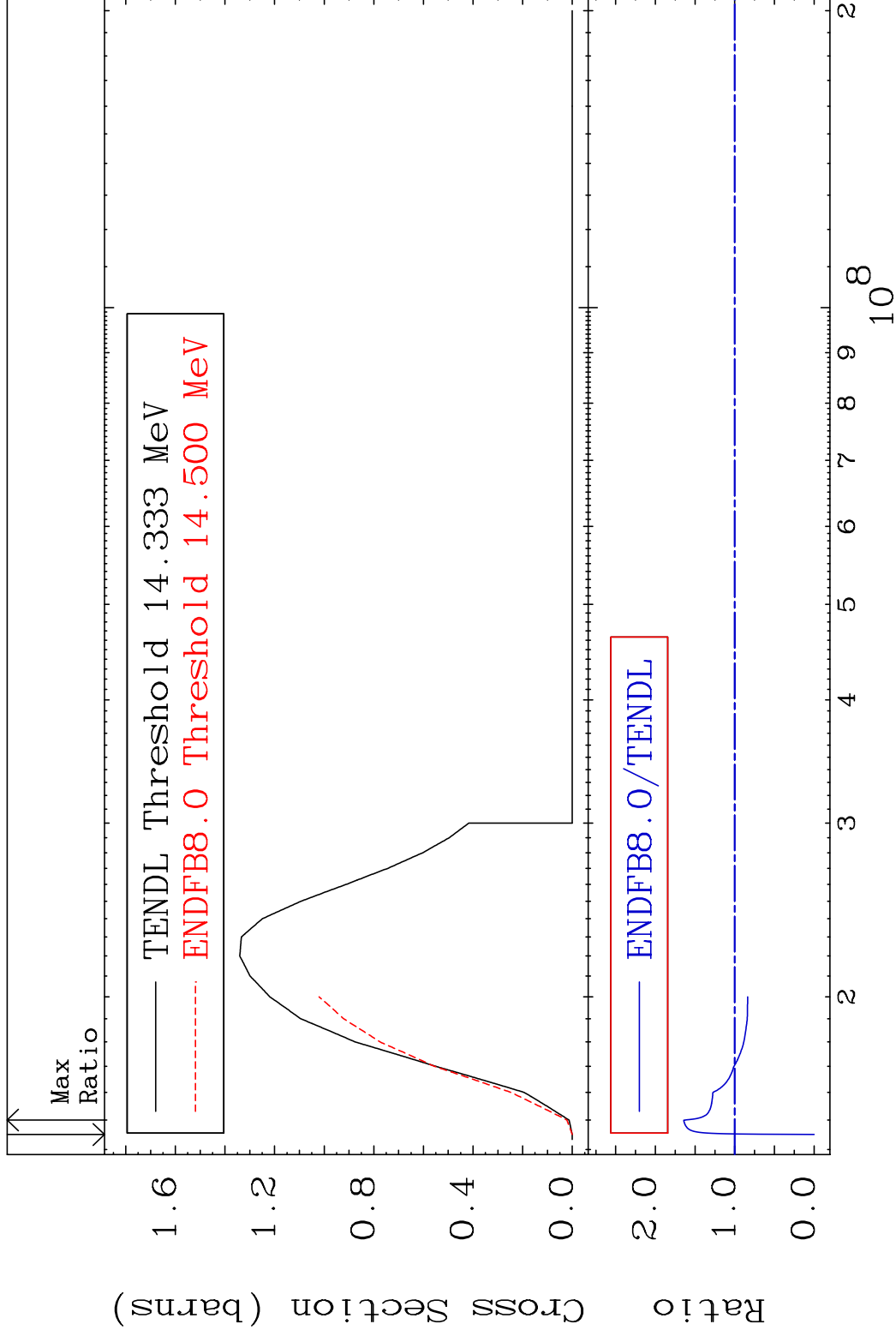
4 Incident Energy (eV) 63-Eu-152

MAT 6328

(n,3n)

63-Eu-152

Cross Section -100.0 To 64.36 %



5

Incident Energy (eV)

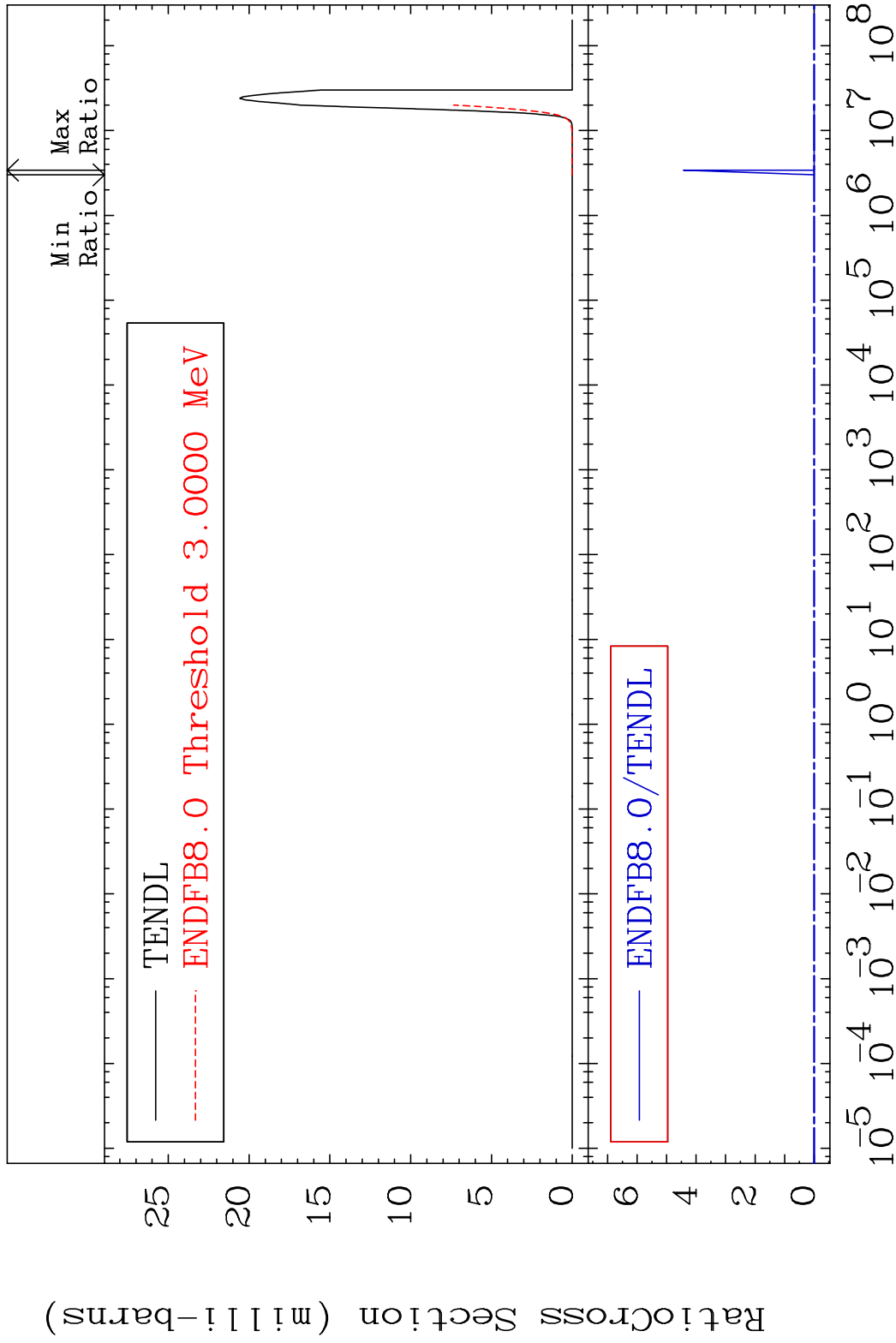
63-Eu-152

MAT 6328

(n, n')  $\alpha$

63-Eu-152

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

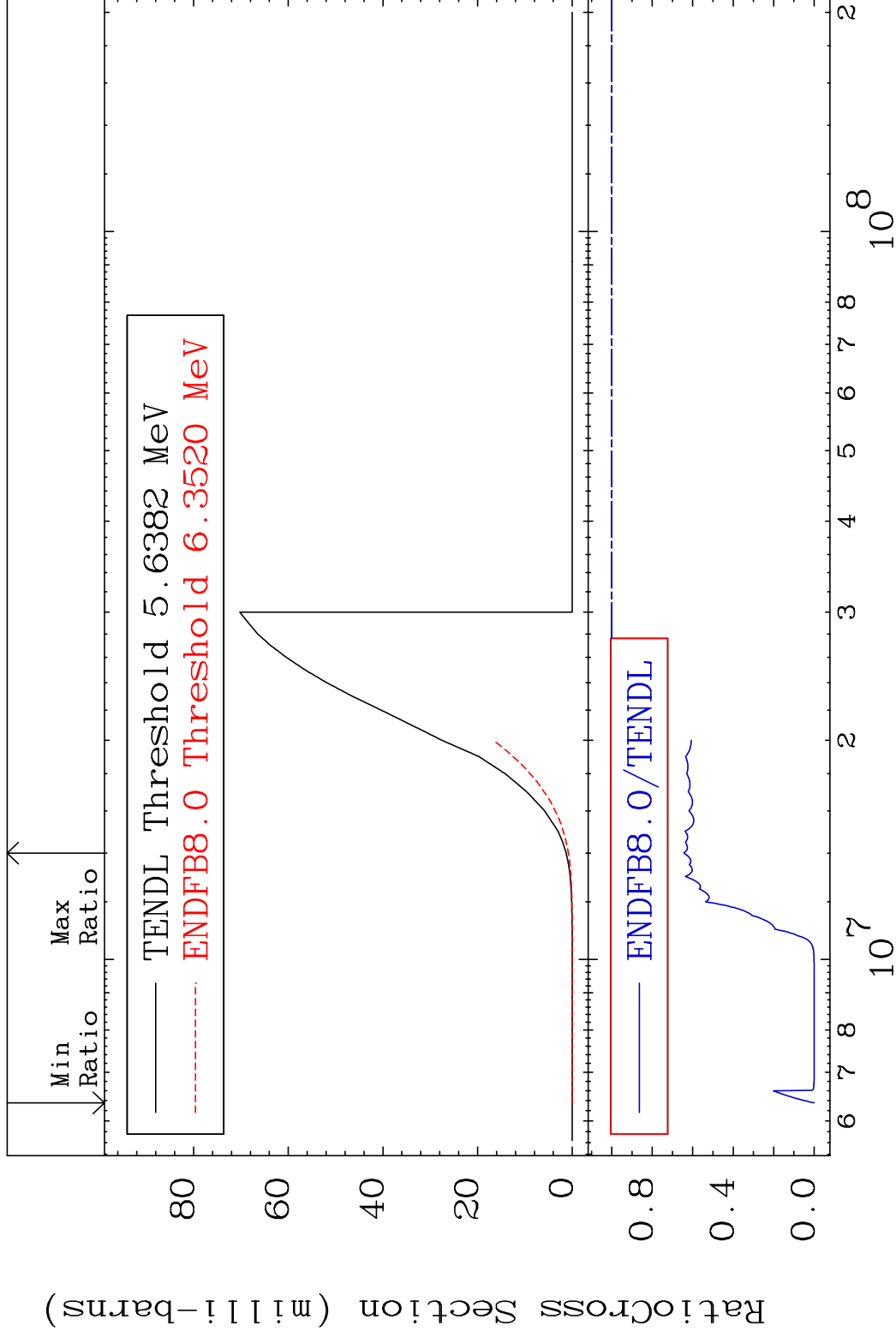
63-Eu-152

MAT 6328

(n, n') p

63-Eu-152

Cross Section -100.0 To -35.53%



7

Incident Energy (eV)

63-Eu-152

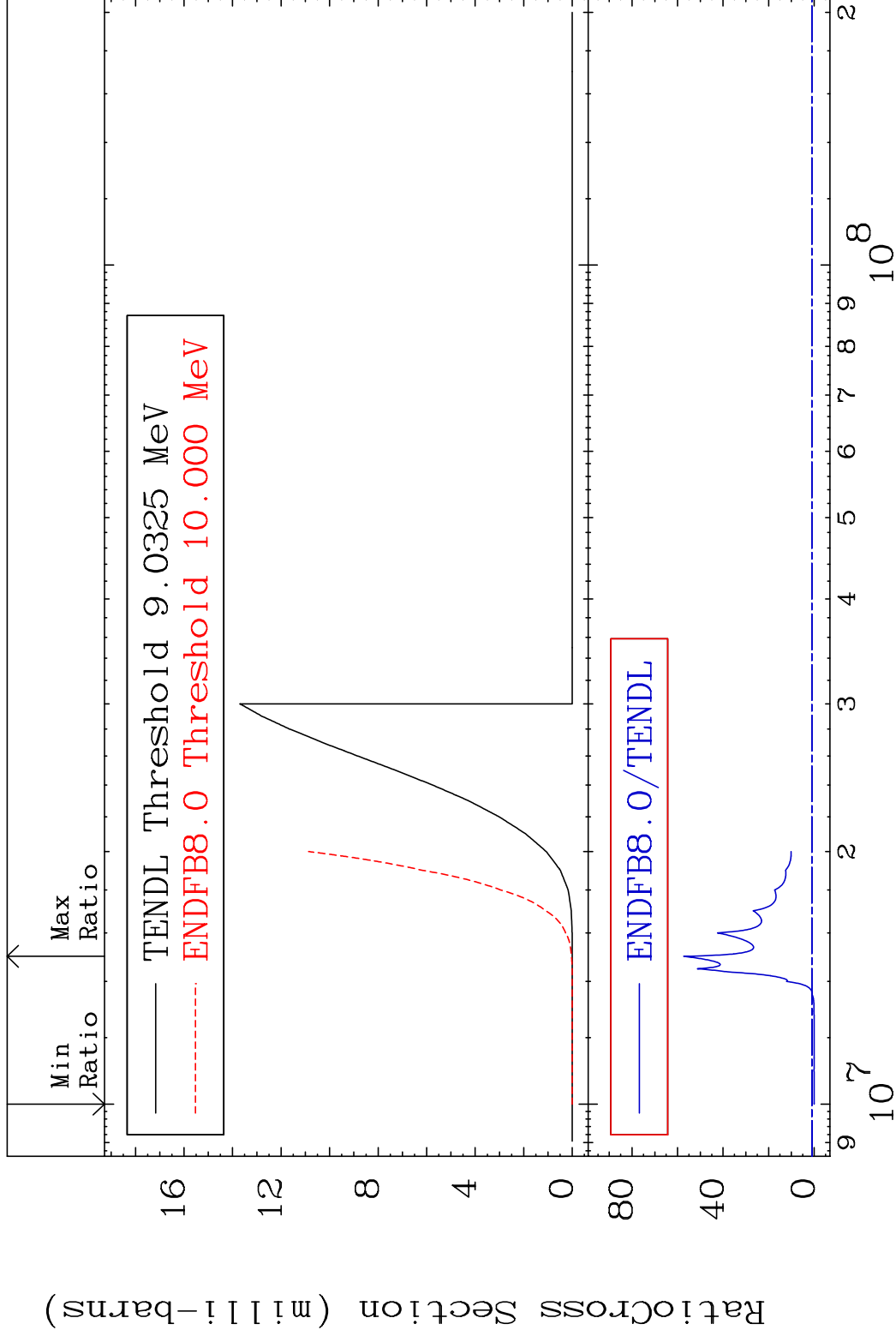


MAT 6328

(n, n') d

63-Eu-152

Cross Section -100.0 To 5632. %



8

Incident Energy (eV)

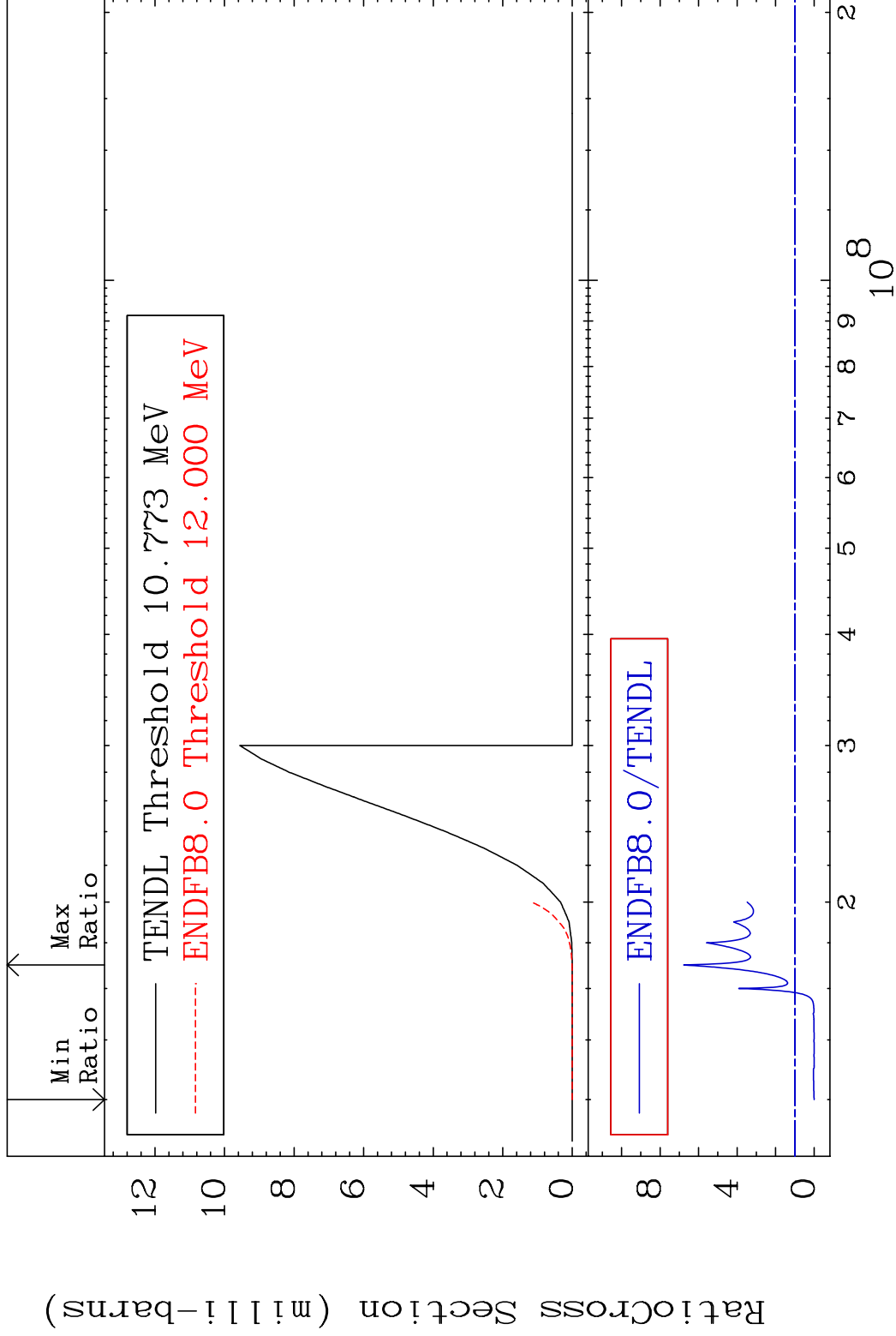
63-Eu-152

MAT 6328

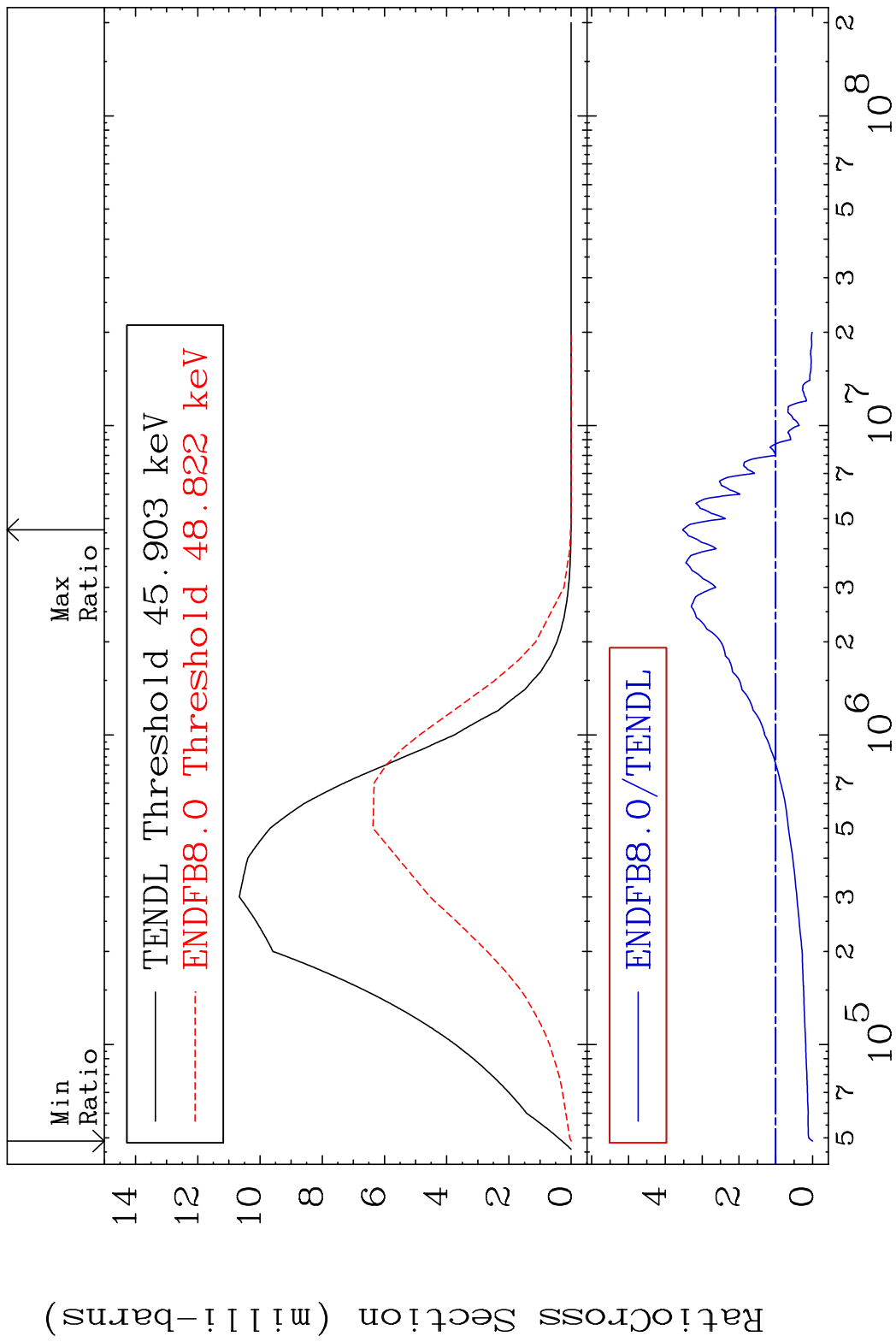
(n, n') t

63-Eu-152

Cross Section -100.0 To 577.6 %

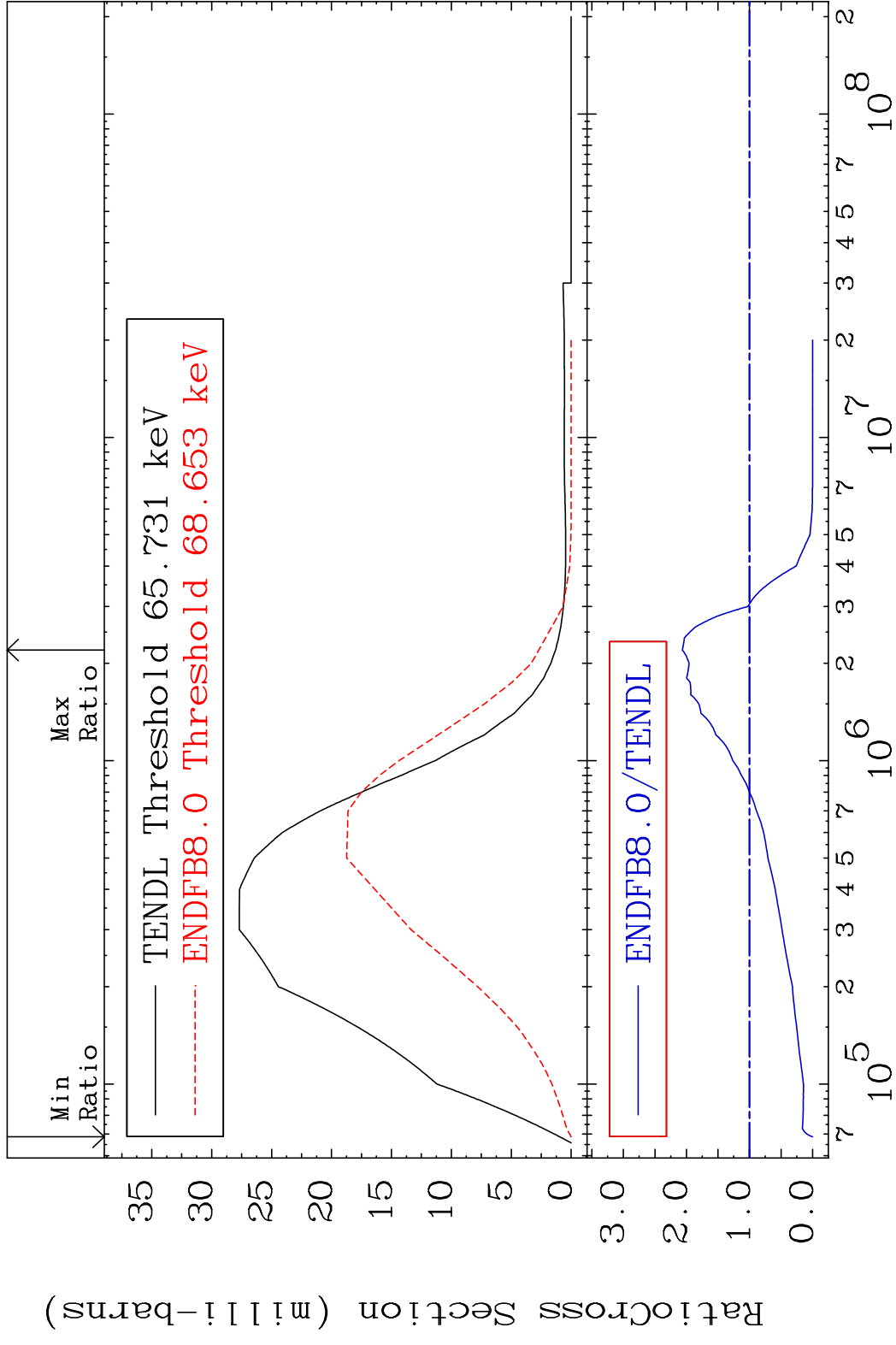


MAT 6328 MT= 51 (n, n') Level 63-Eu-152  
 Cross Section -100.0 To 253.7 %

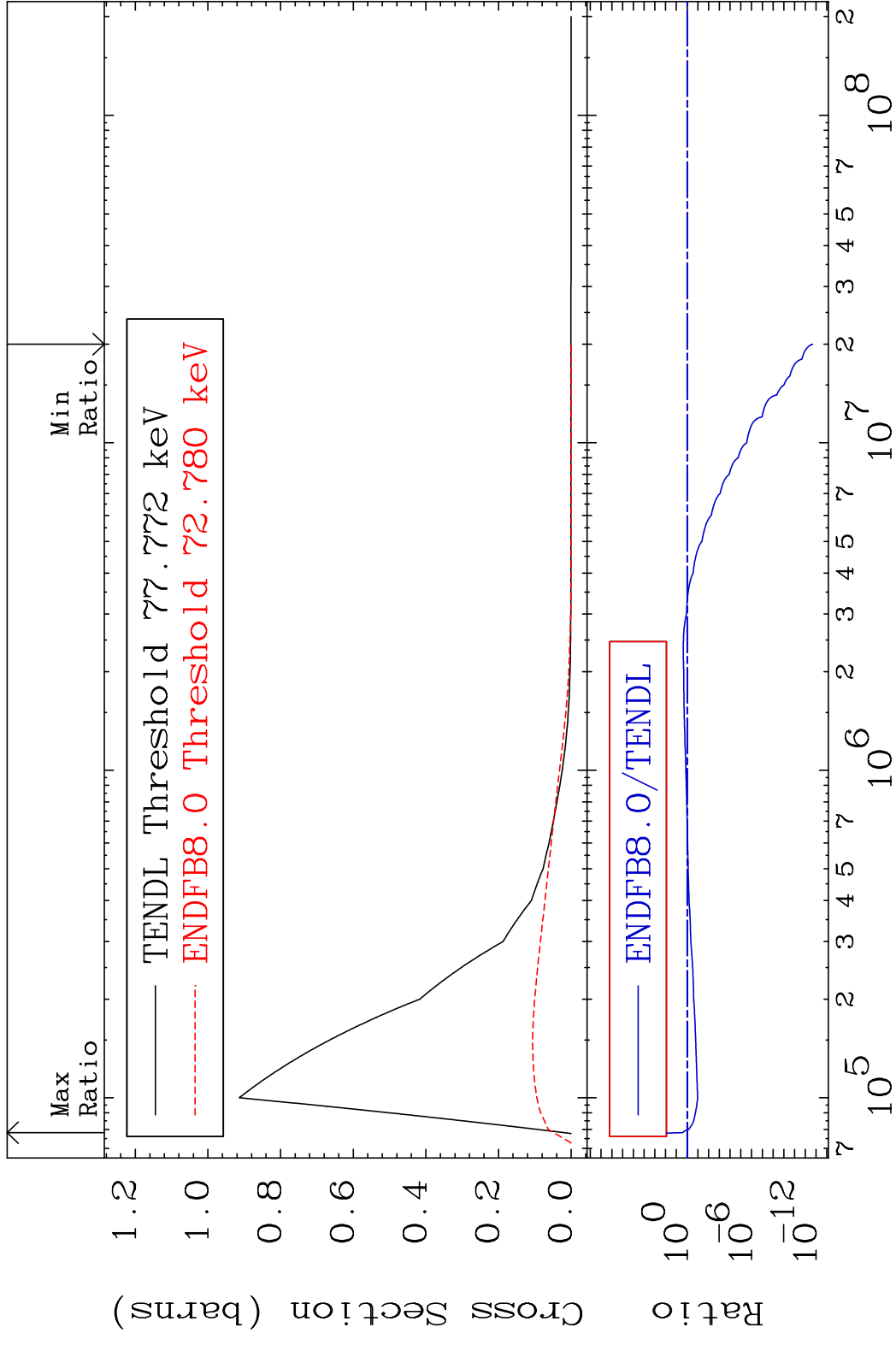


10 Incident Energy (eV) 63-Eu-152

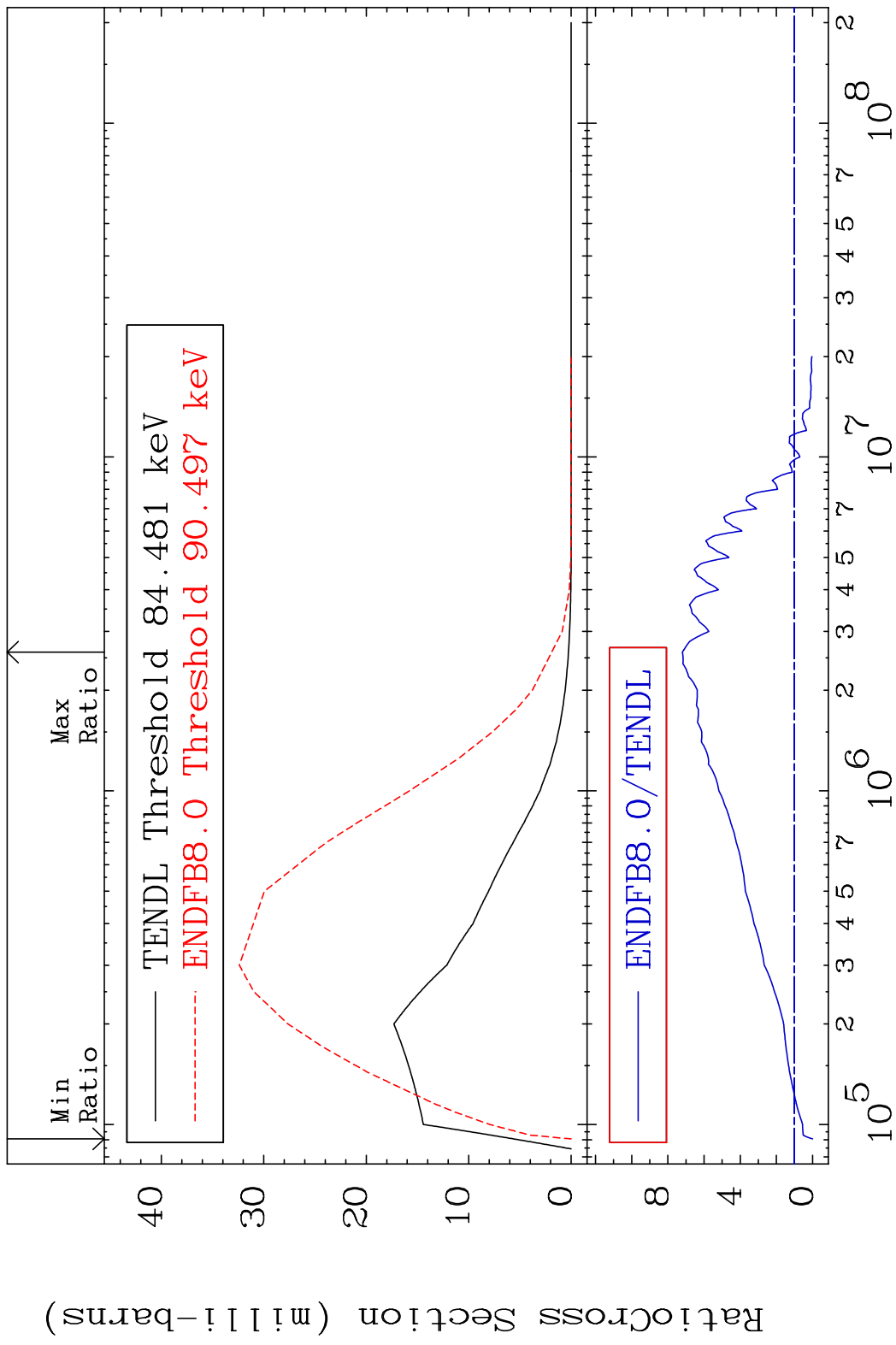
MAT 6328 MT= 52 (n, n') Level 63-Eu-152  
 Cross Section -100.0 To 106.5 %



MAT 6328 MT= 53 (n, n') Level 63-Eu-152  
 Cross Section -100.0 To 175.0 %

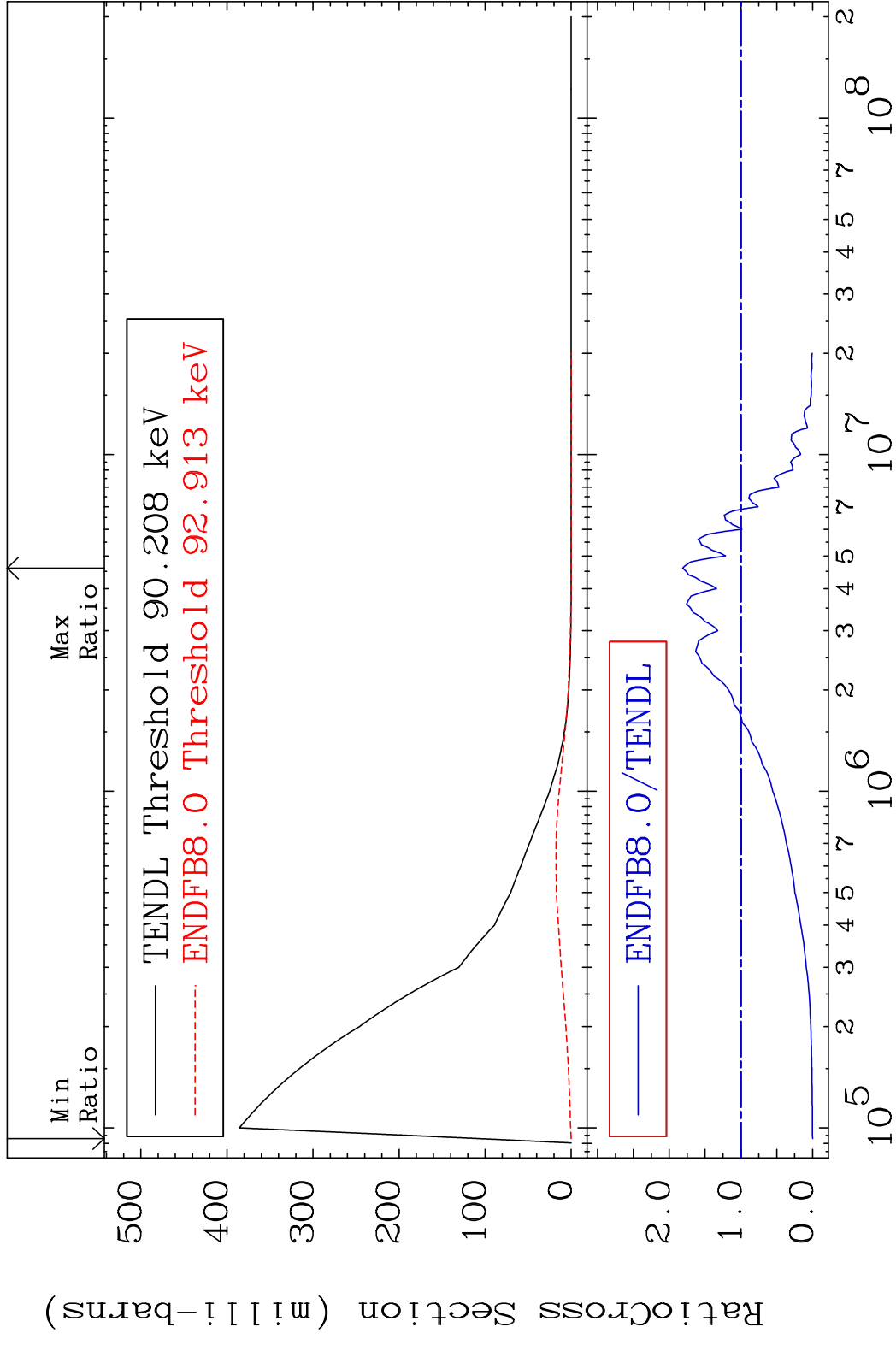


MAT 6328 MT= 54 (n, n') Level 63-Eu-152  
 Cross Section -100.0 To 619.9 %

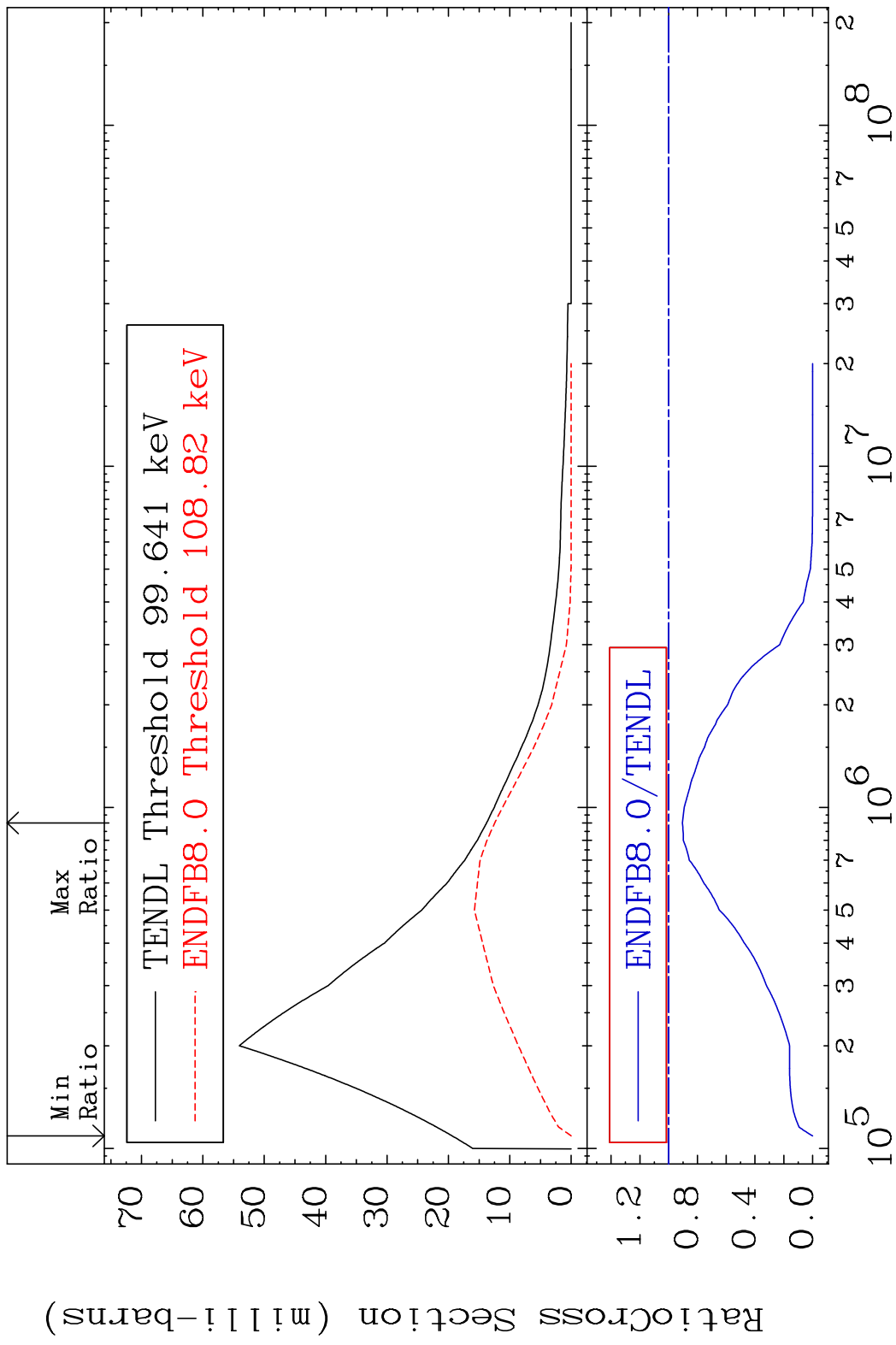


13 63-Eu-152

MAT 6328 MT= 55 (n, n') Level 63-Eu-152  
 Cross Section -100.0 To 81.69 %



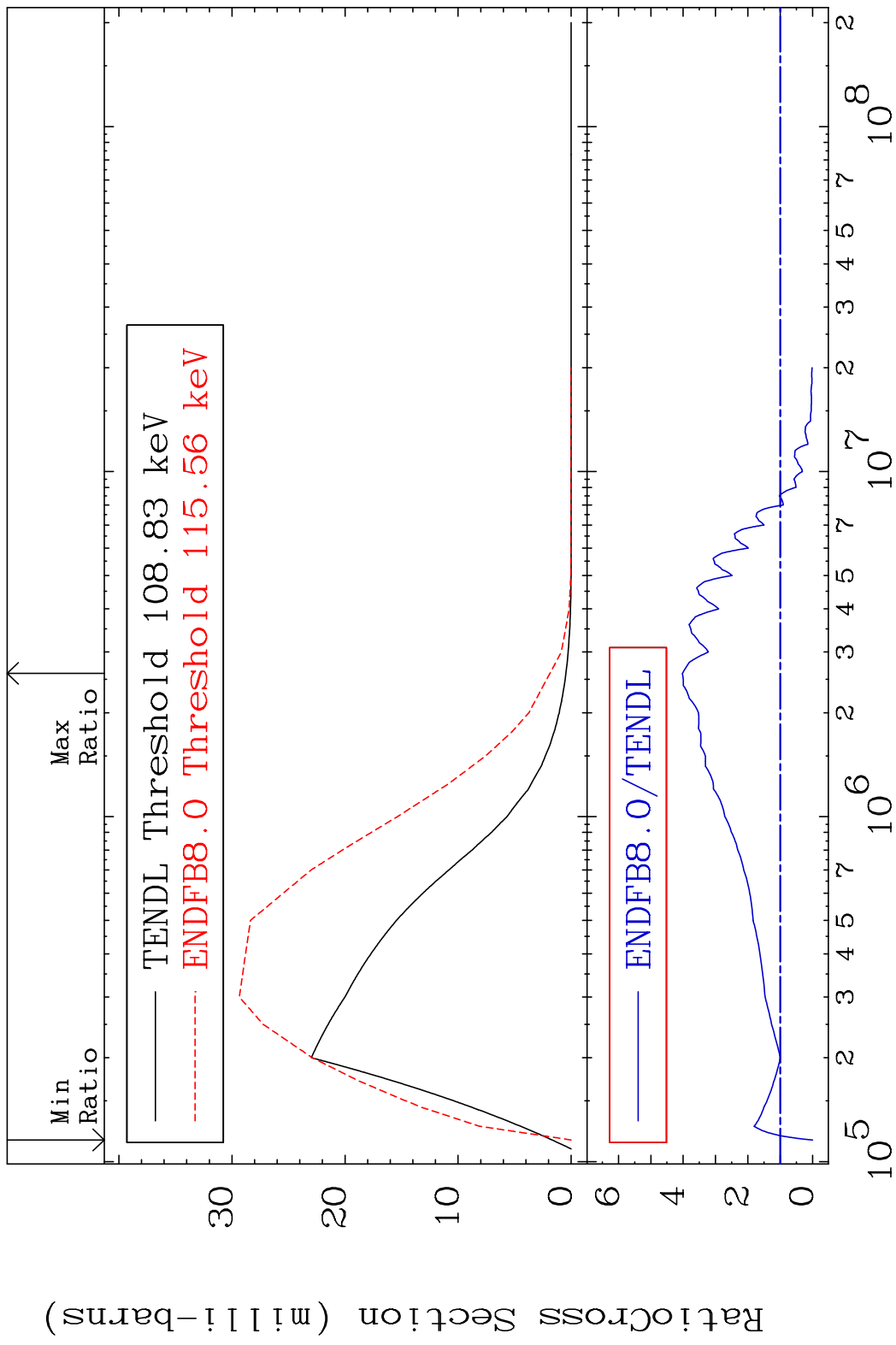
MAT 6328 MT= 56 (n,n') Level 63-Eu-152  
 Cross Section -100.0 To -9.519%



15 Incident Energy (eV) 63-Eu-152

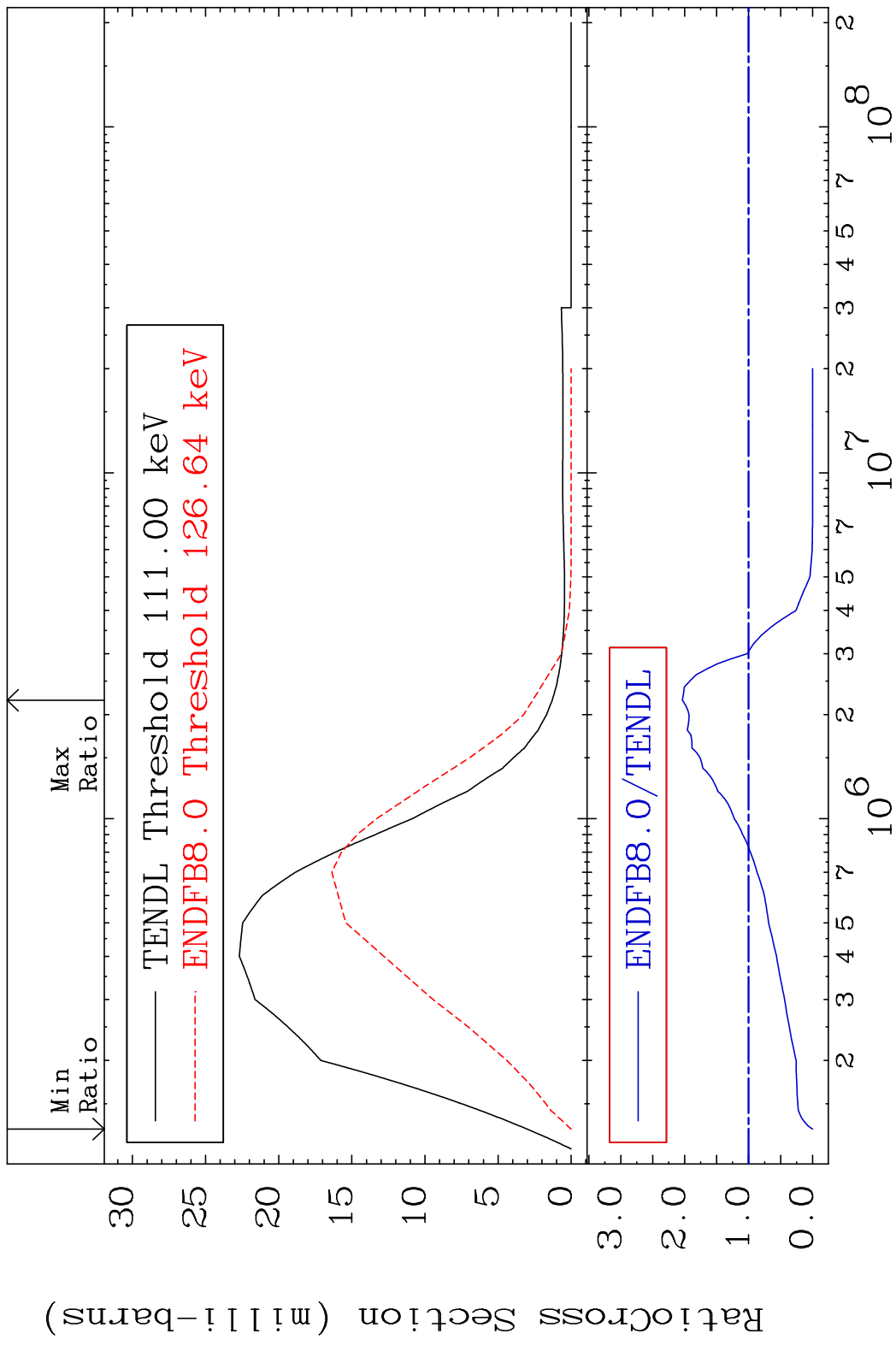


MAT 6328 MT= 57 (n, n') Level 63-Eu-152  
 Cross Section -100.0 To 302.5 %

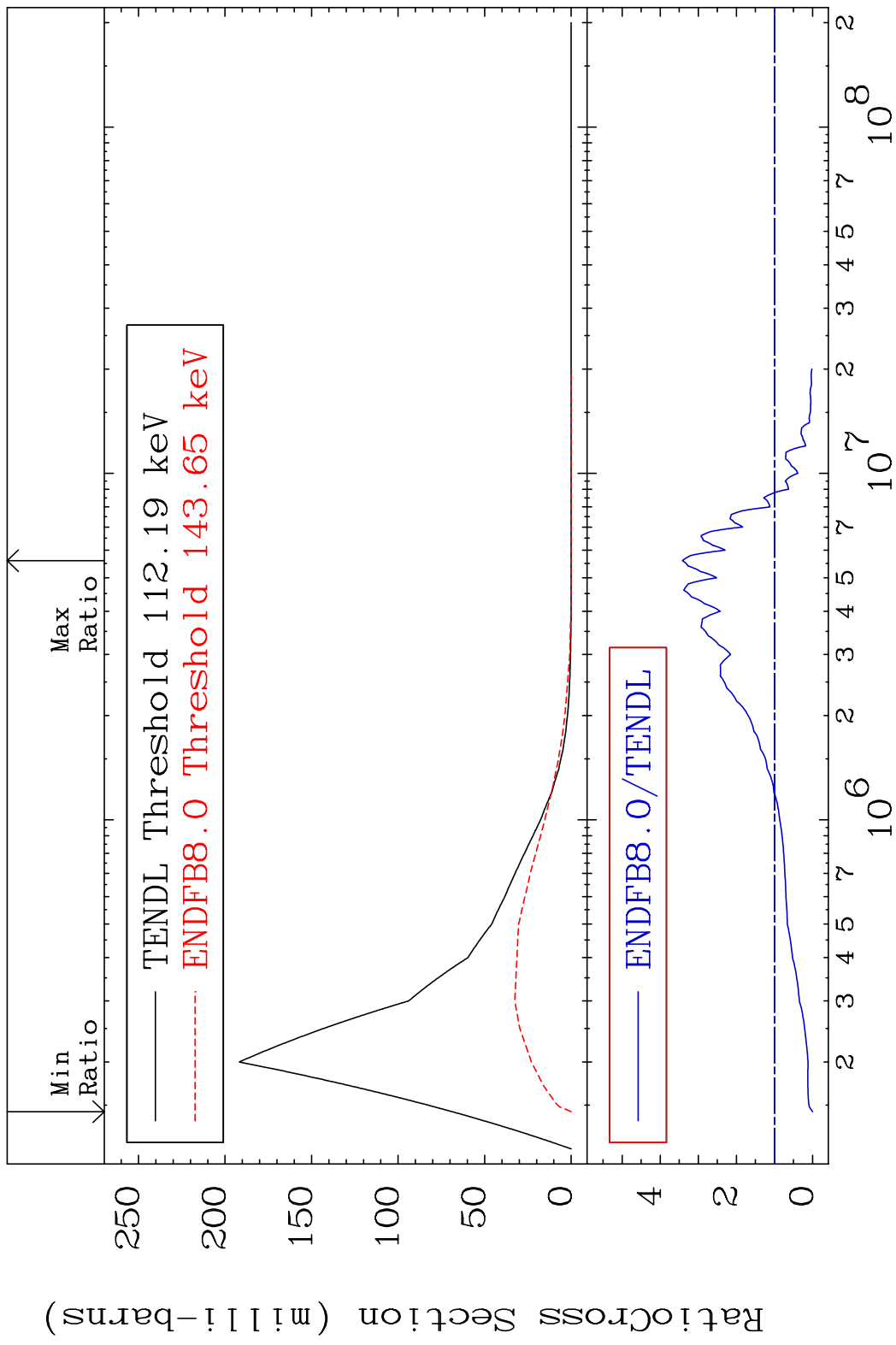


16 Incident Energy (eV) 63-Eu-152

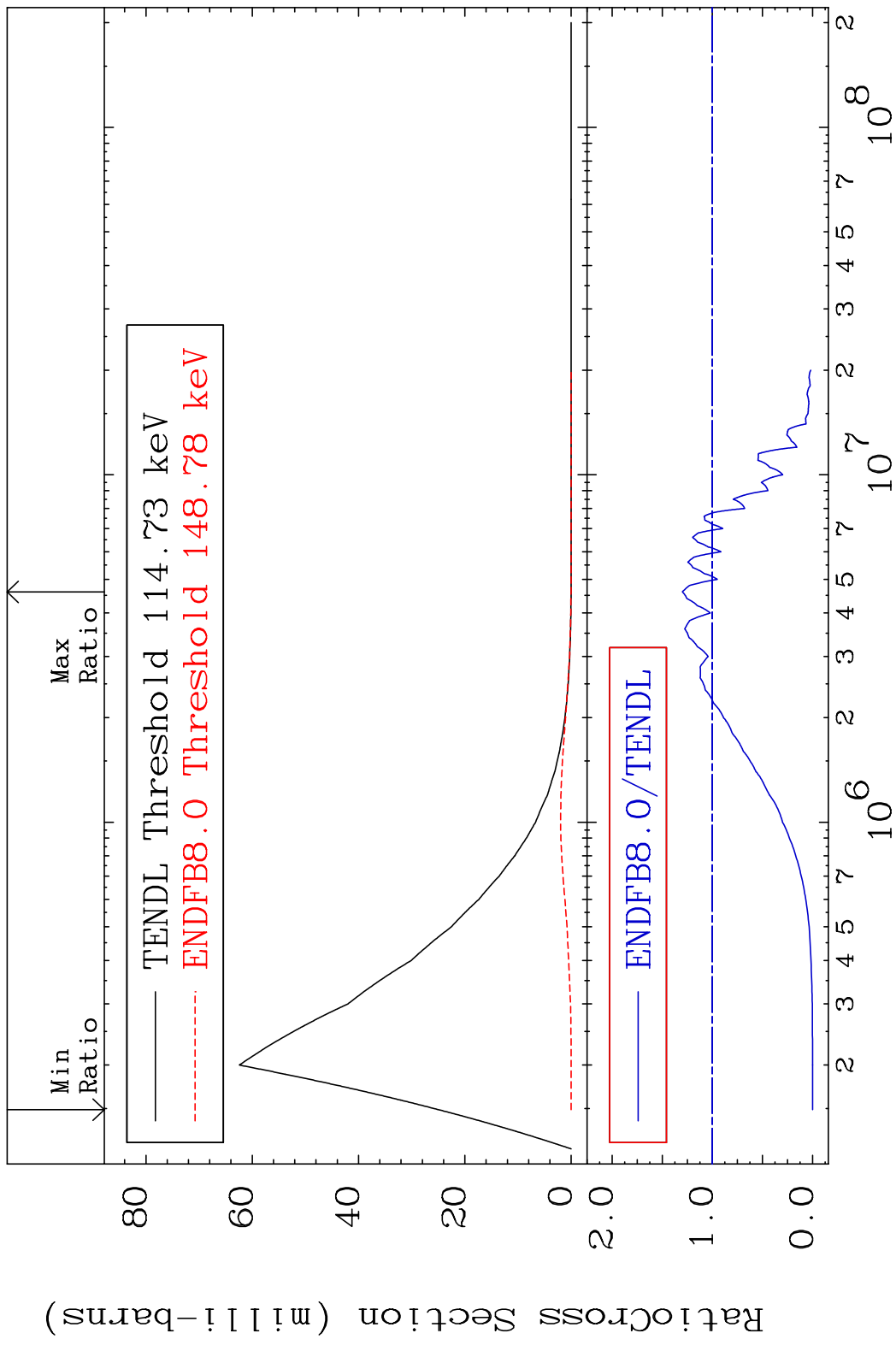
MAT 6328 MT= 58 (n, n') Level 63-Eu-152  
 Cross Section -100.0 To 103.6 %



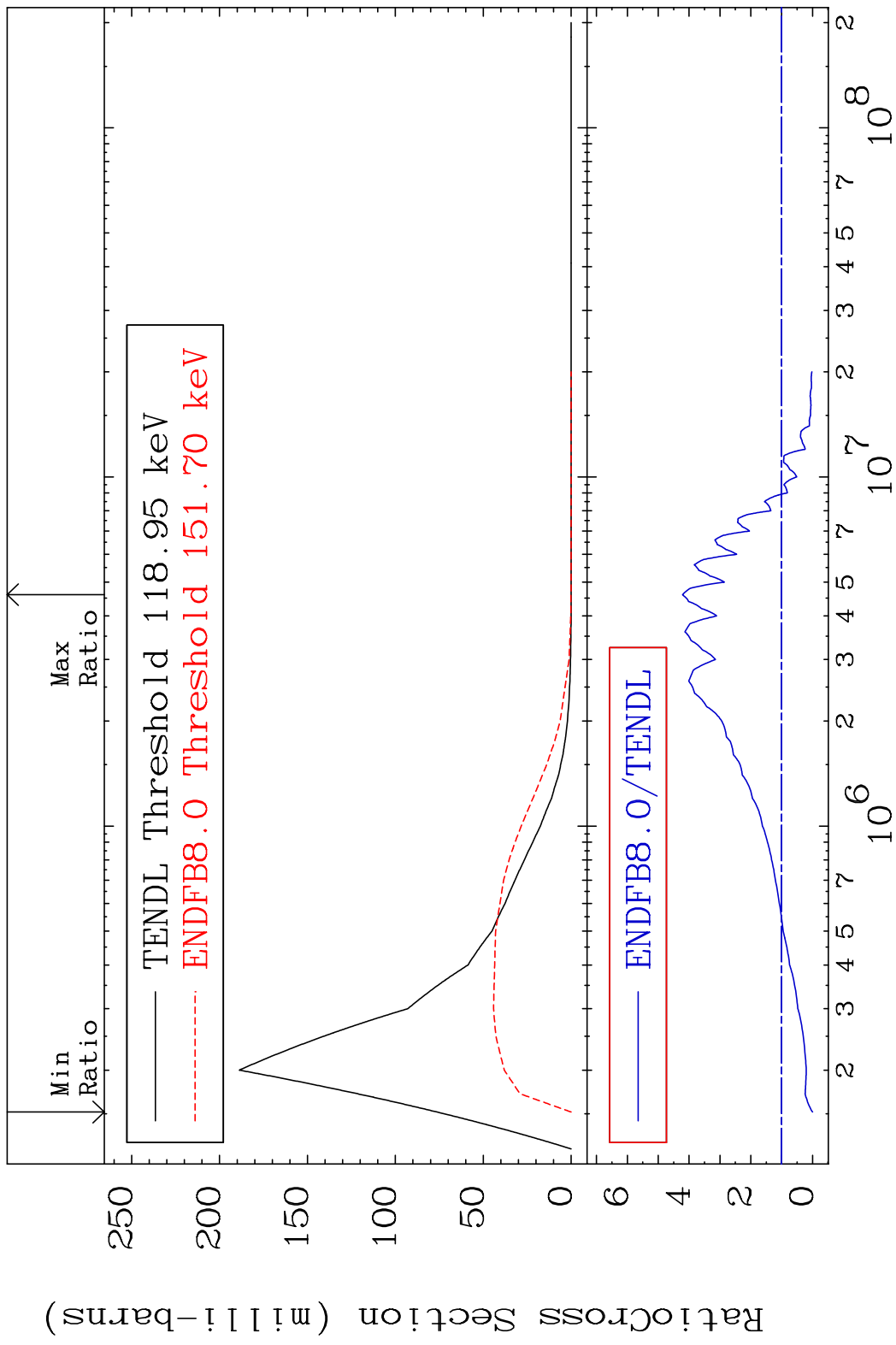
MAT 6328 MT= 59 (n, n') Level 63-Eu-152  
 Cross Section -100.0 To 241.9 %



MAT 6328 MT= 60 (n, n') Level 63-Eu-152  
 Cross Section -100.0 To 29.96 %



MAT 6328 MT= 61 (n, n') Level 63-Eu-152  
 Cross Section -100.0 To 321.7 %

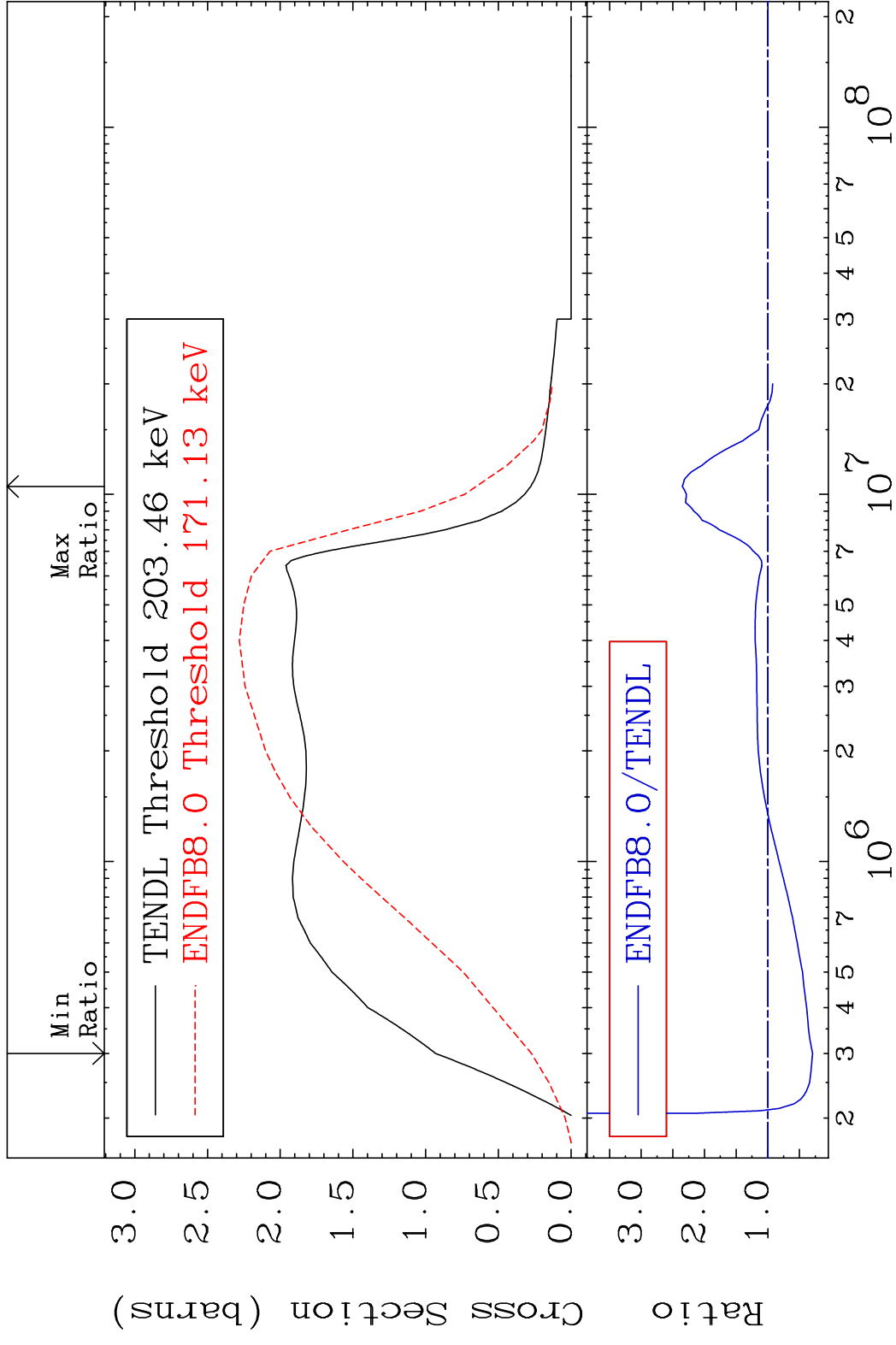


MAT 6328

(n, n') Continuum

63-Eu-152

Cross Section -70.68 To 135.0 %

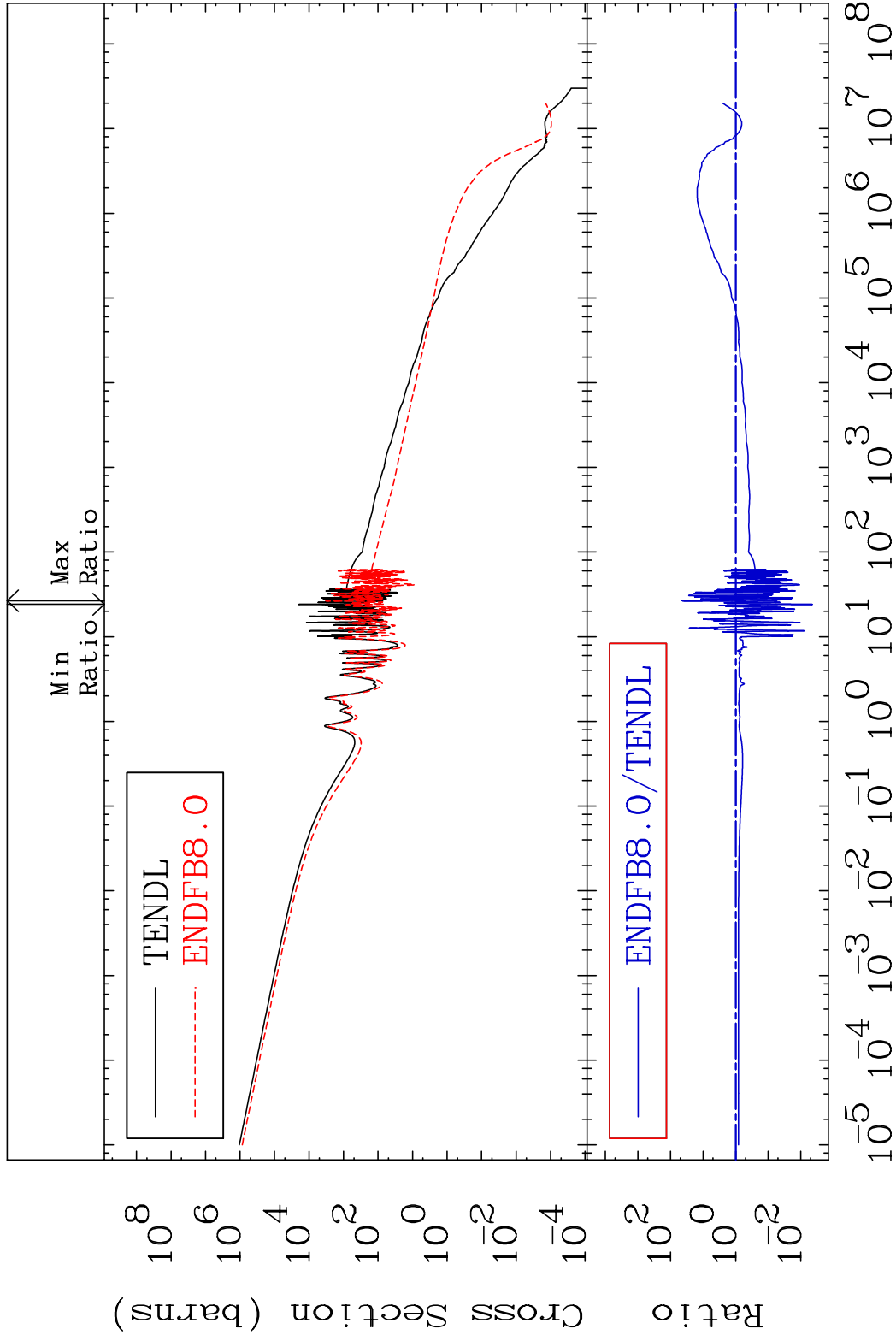


MAT 6328

(n,  $\gamma$ )

63-Eu-152

Cross Section -99.56 To 4227. %



22

Incident Energy (eV)

63-Eu-152

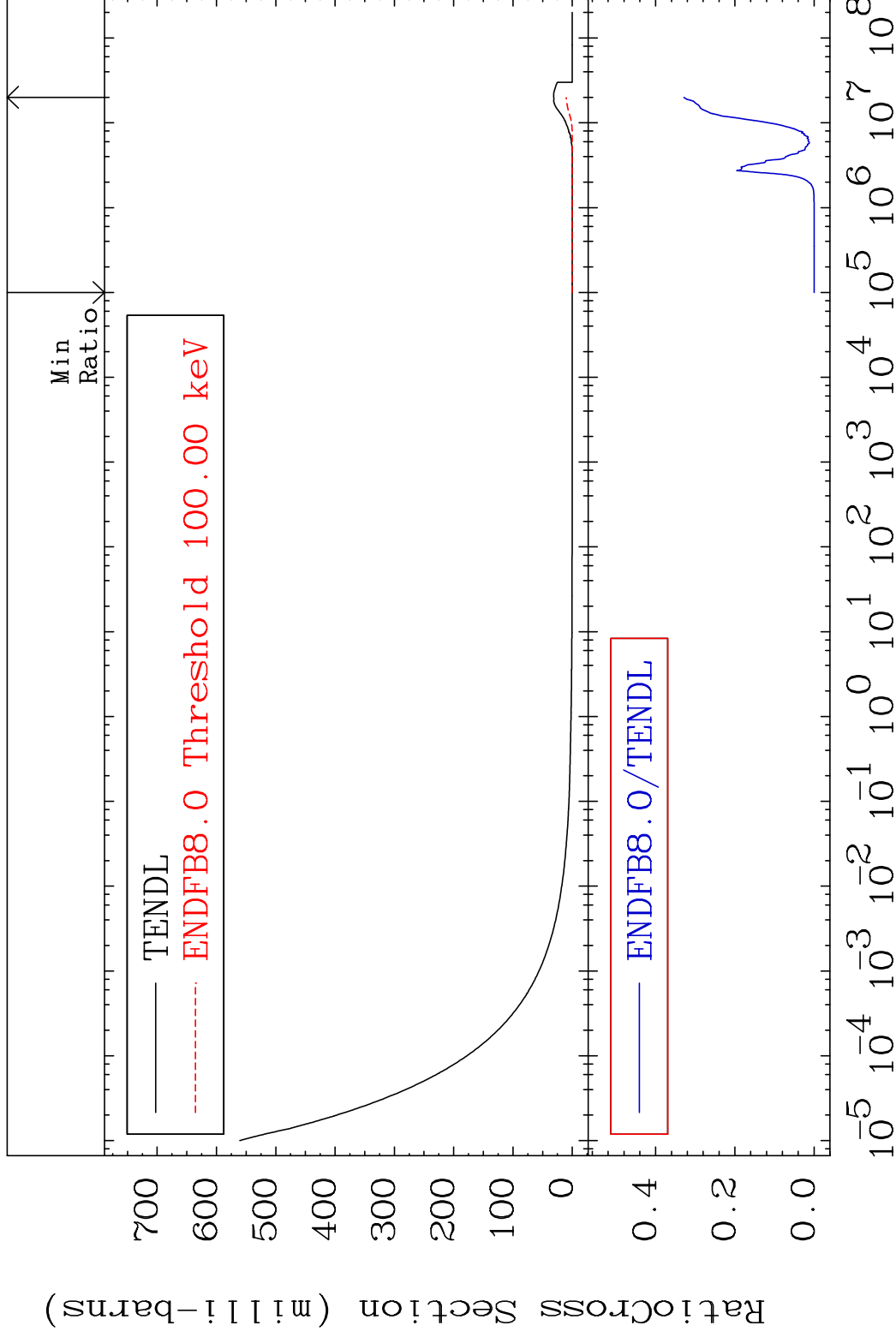
MAT 6328

(n, p)

63-Eu-152

Cross Section

-100.0 To -67.06%



23

Incident Energy (eV)

63-Eu-152

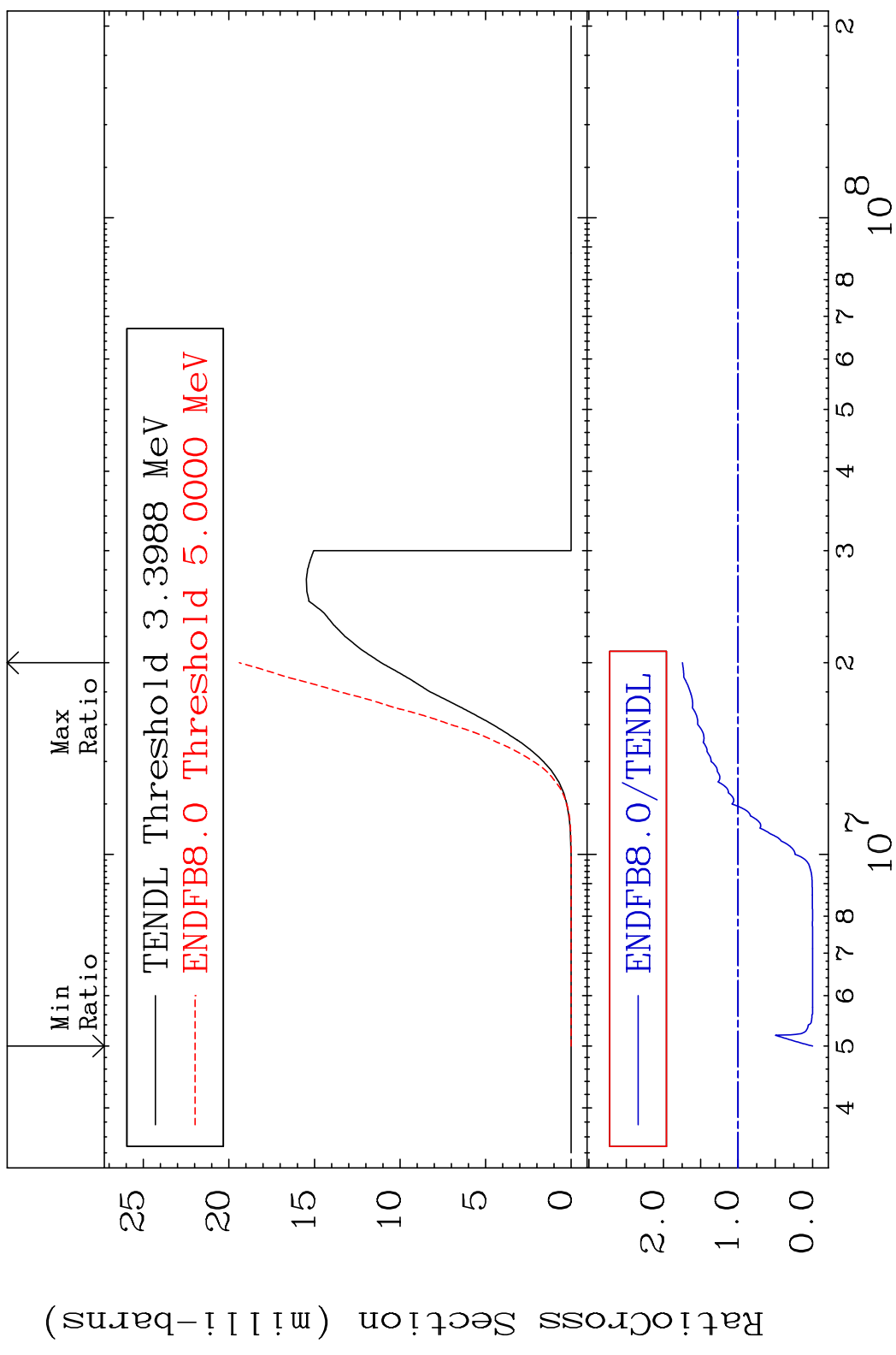


MAT 6328

(n, d)

63-Eu-152

Cross Section -100.0 To 74.66 %

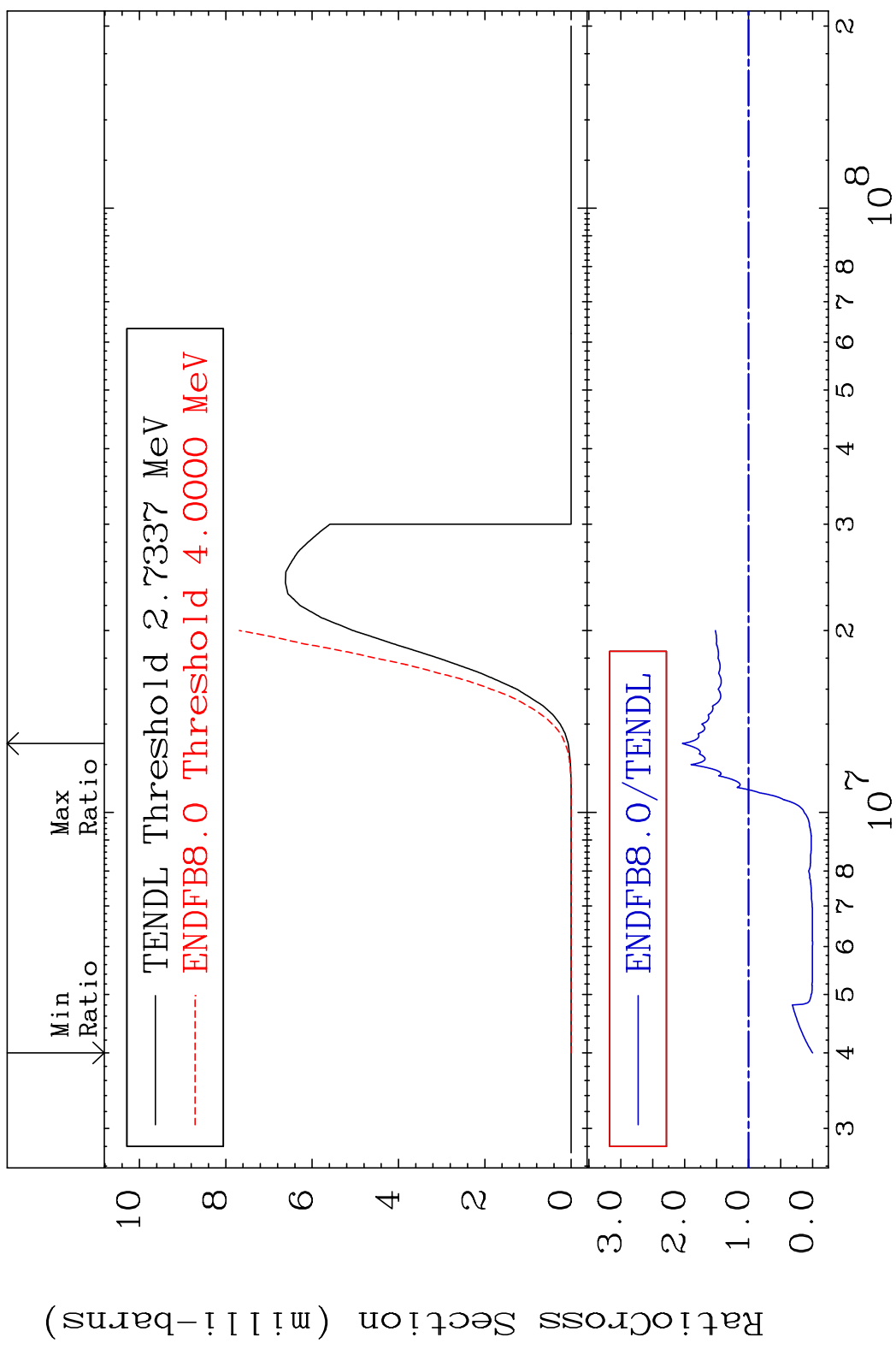


MAT 6328

(n, t)

63-Eu-152

Cross Section -100.0 To 103.6 %

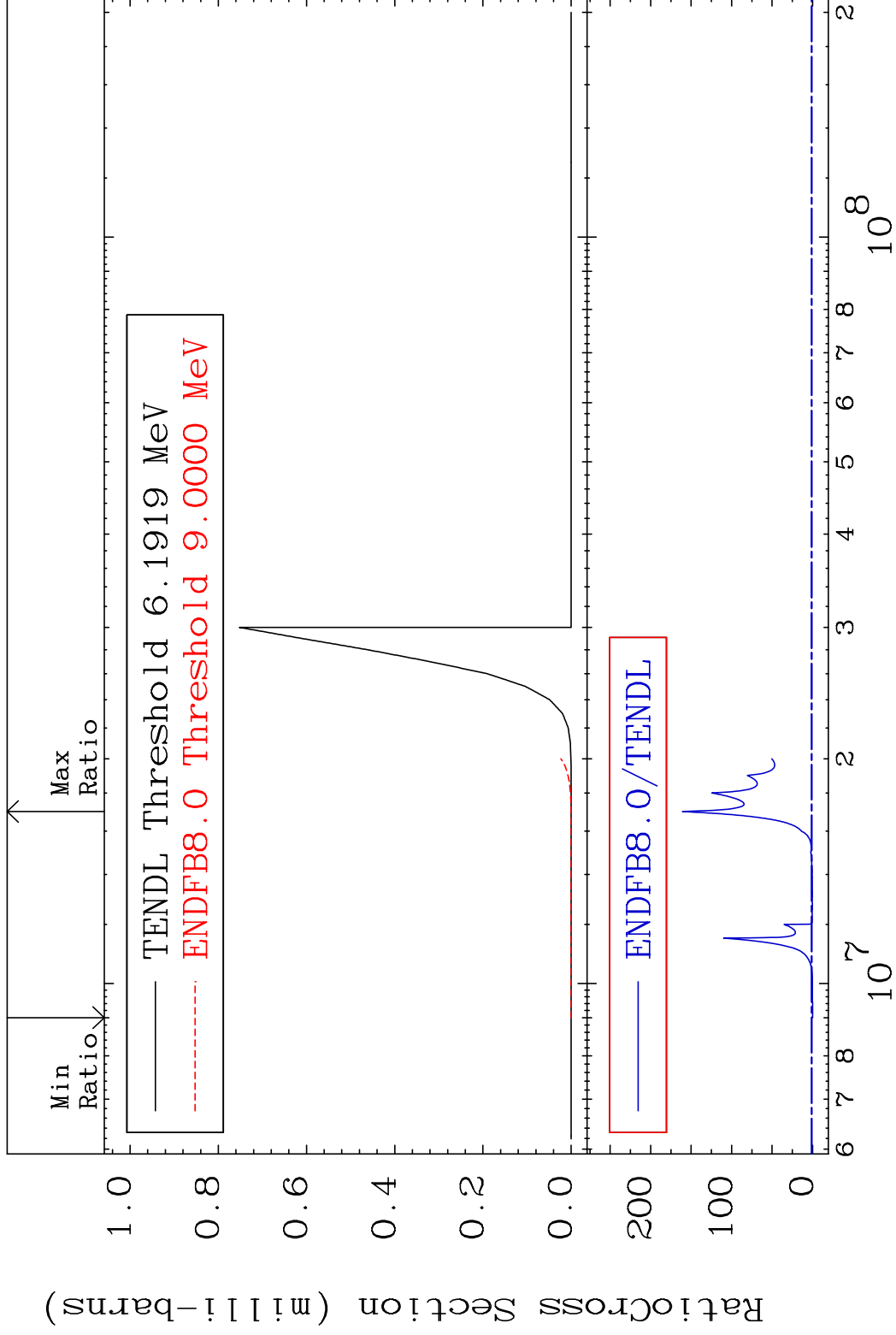


MAT 6328

(n, He-3)

63-Eu-152

Cross Section -100.0 To 9999. %



26

Incident Energy (eV)

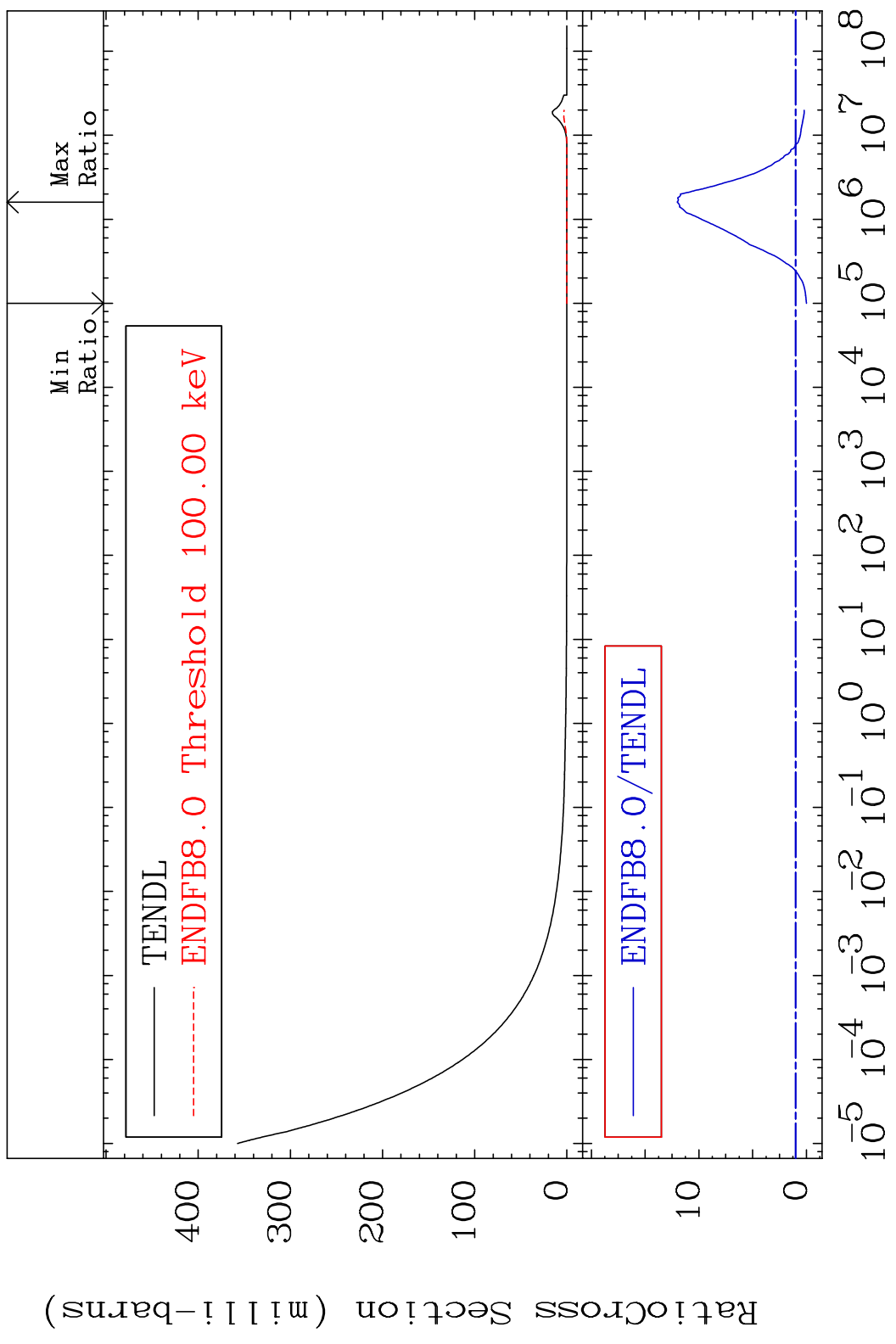
63-Eu-152

MAT 6328

(n,  $\alpha$ )

63-Eu-152

Cross Section -100.0 To 1102. %

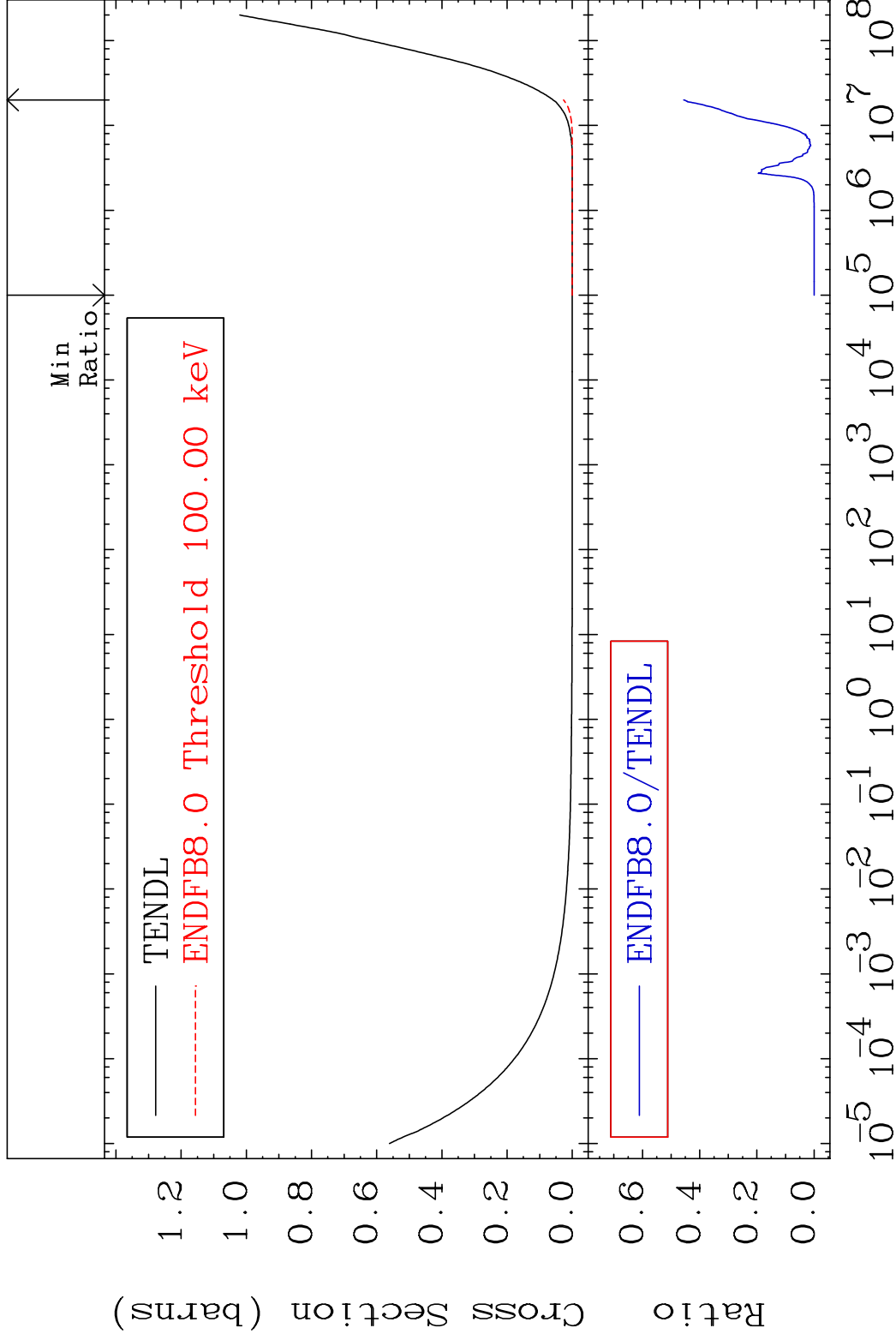


MAT 6328

Hydrogen Production

63-Eu-152

Cross Section -100.0 To -54.40%



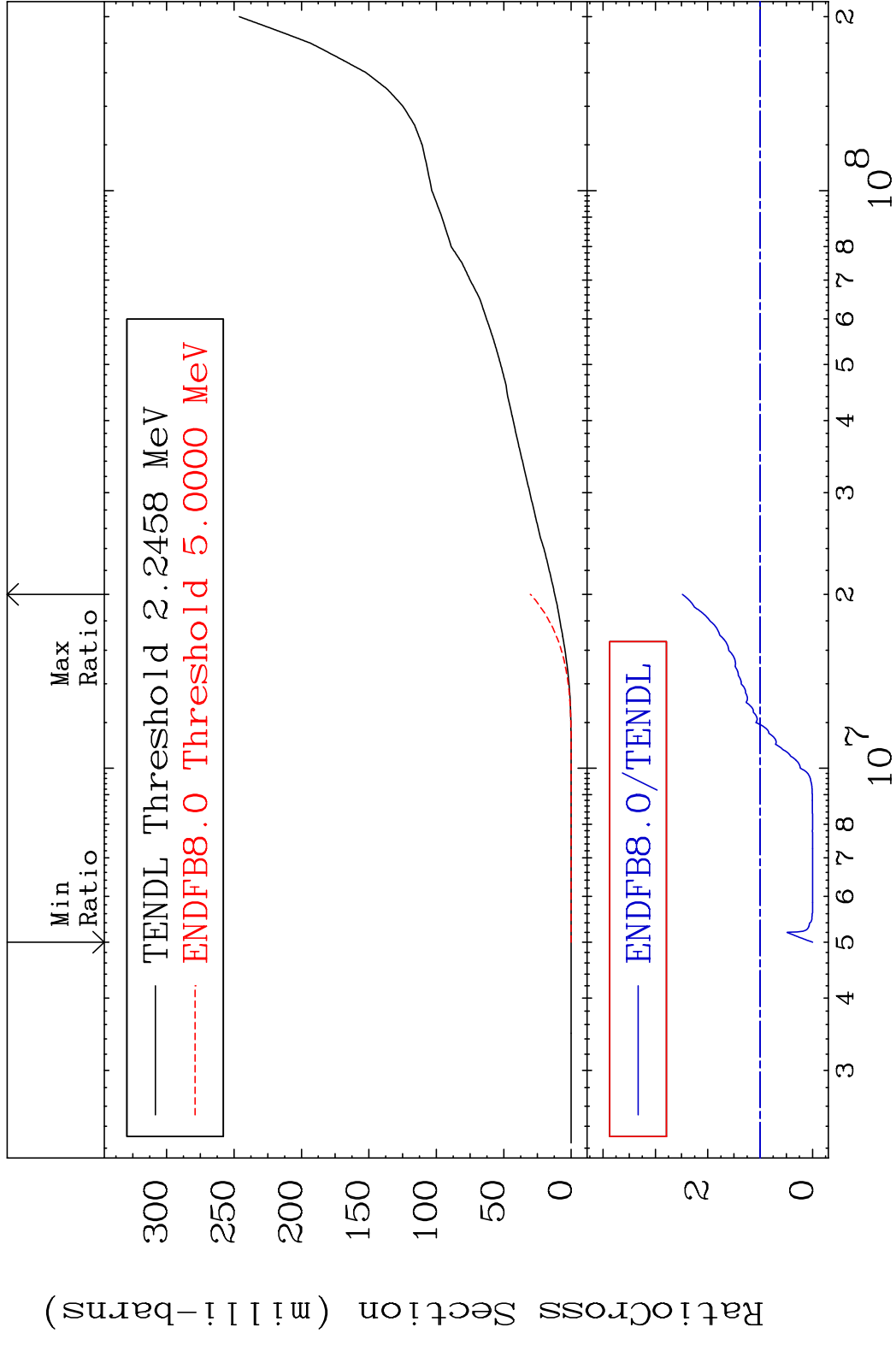
28

Incident Energy (eV)

63-Eu-152

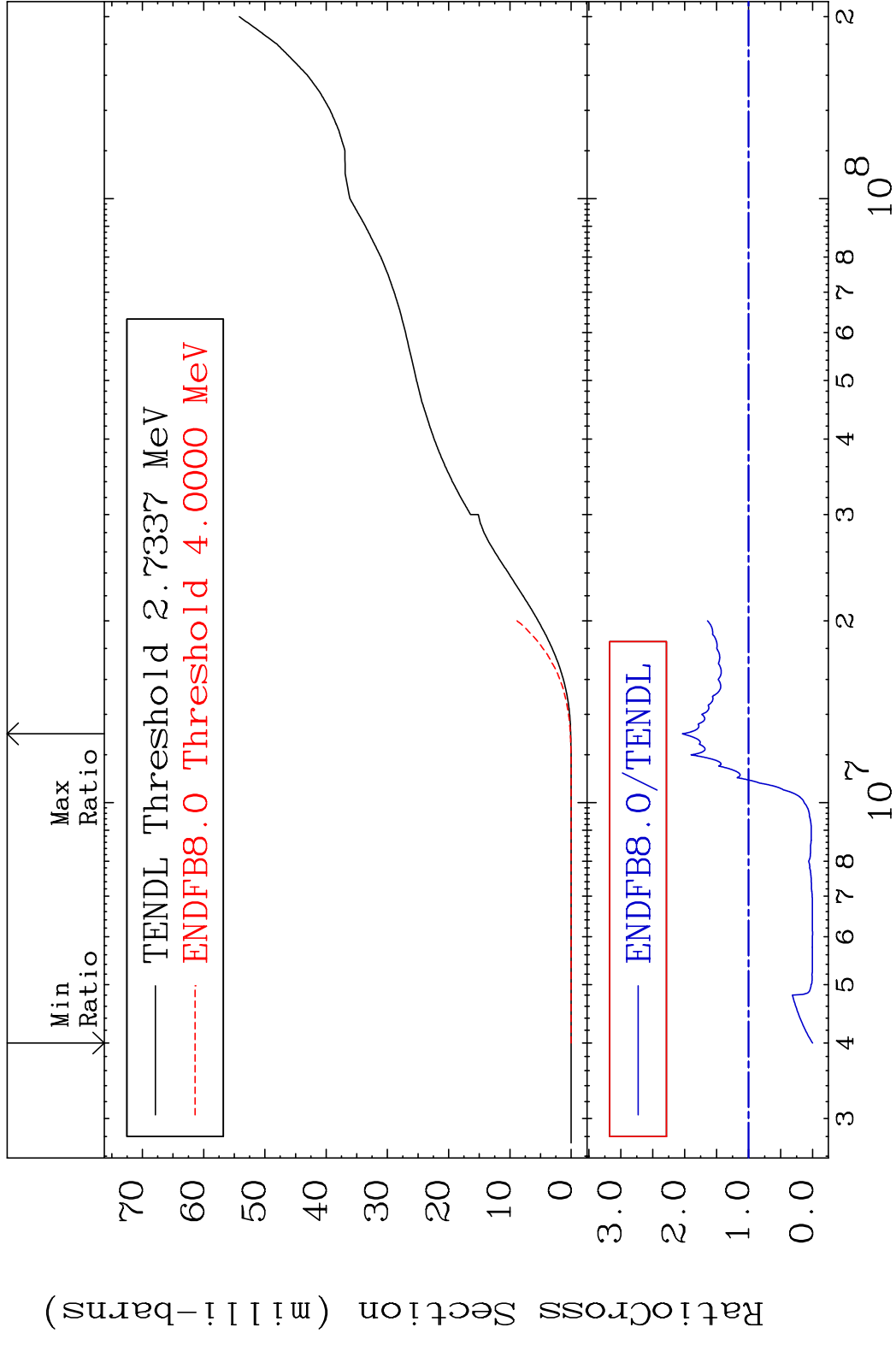
MAT 6328

Deuterium Production 63-Eu-152  
Cross Section -100.0 To 148.5 %



MAT 6328

Tritium Production 63-Eu-152  
Cross Section -100.0 To 103.6 %



30

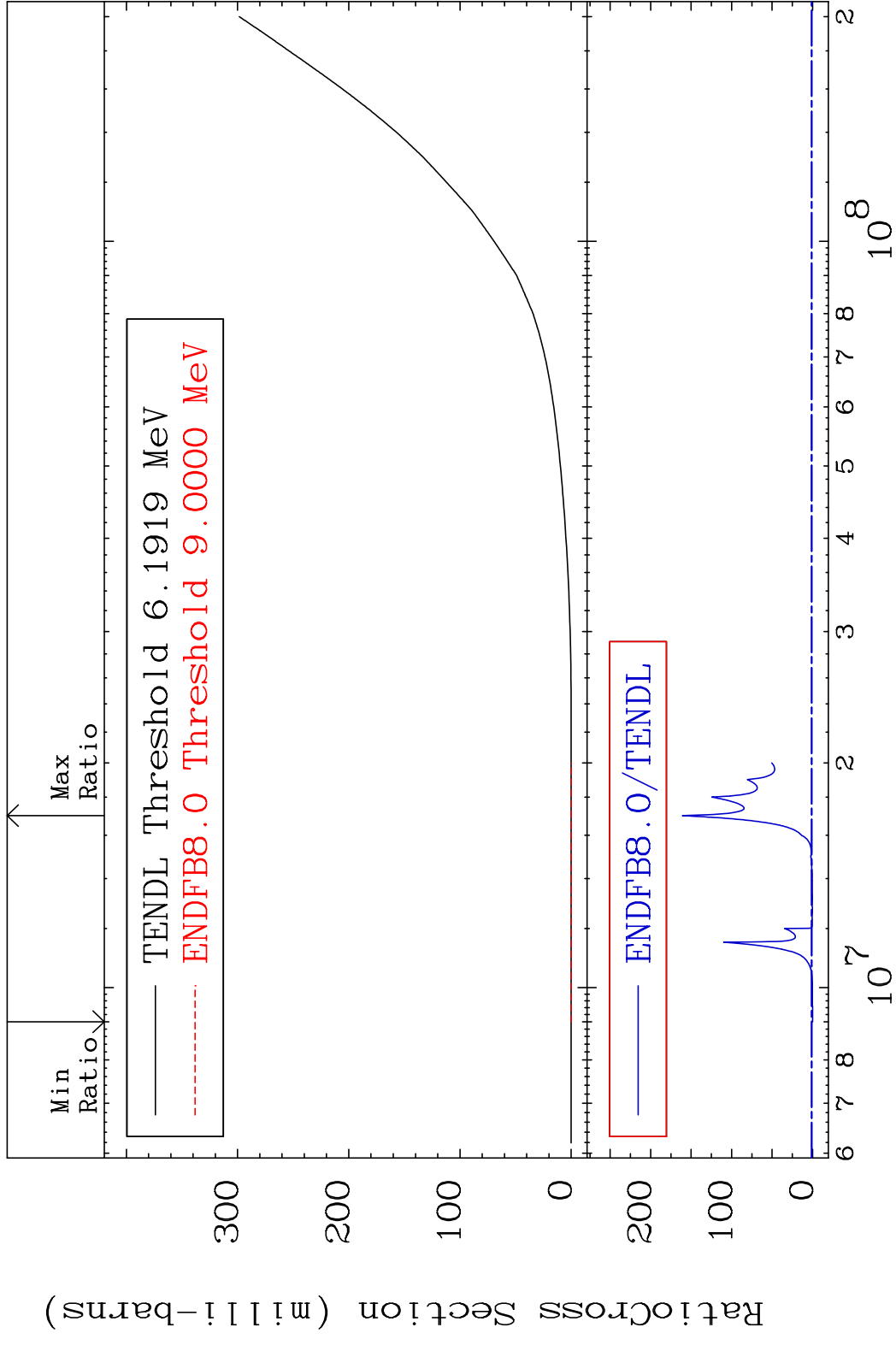
Incident Energy (eV) 63-Eu-152

MAT 6328

He-3 Production

63-Eu-152

Cross Section -100.0 To 9999. %



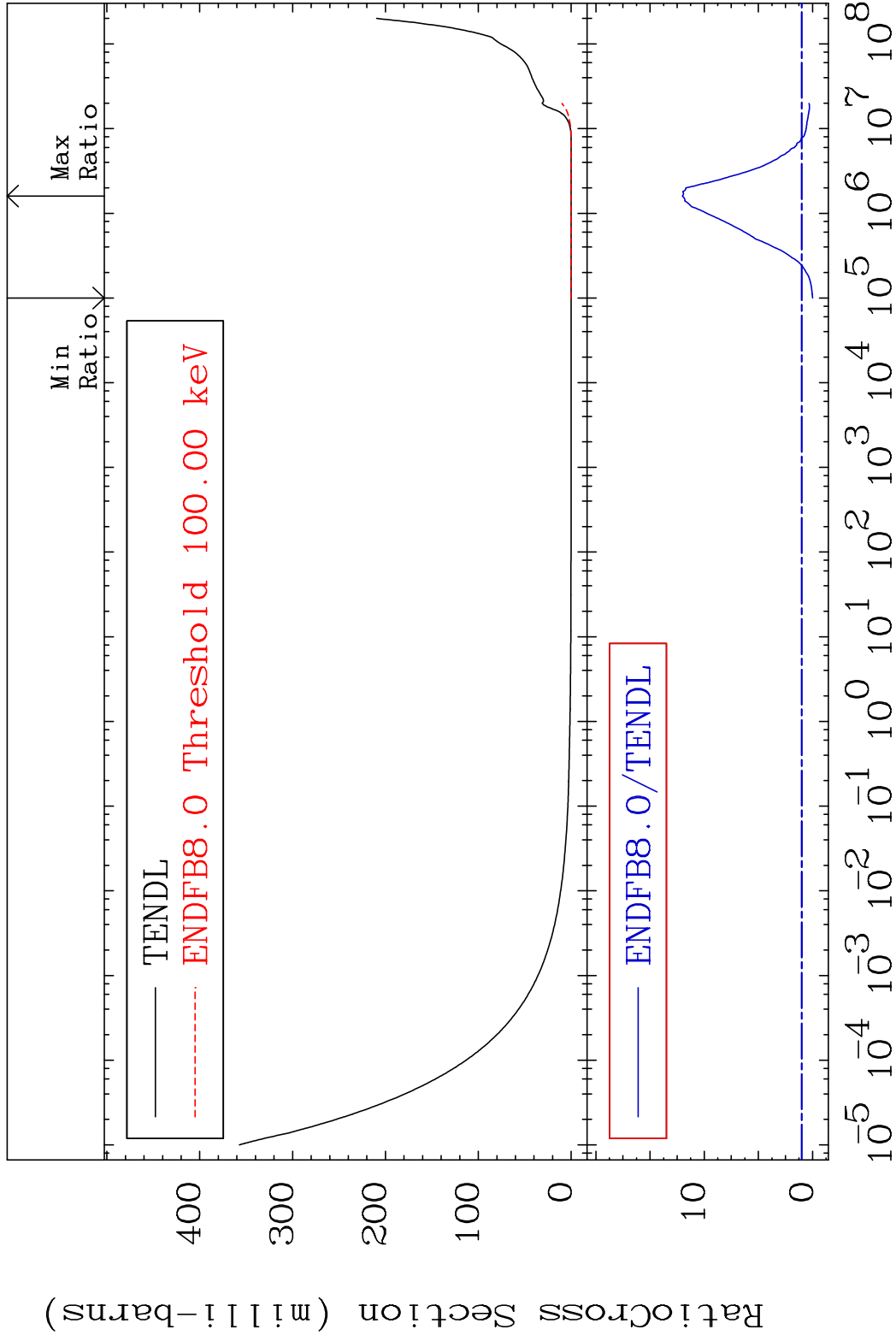


MAT 6328

He-4 Production

63-Eu-152

Cross Section -100.0 To 1102. %

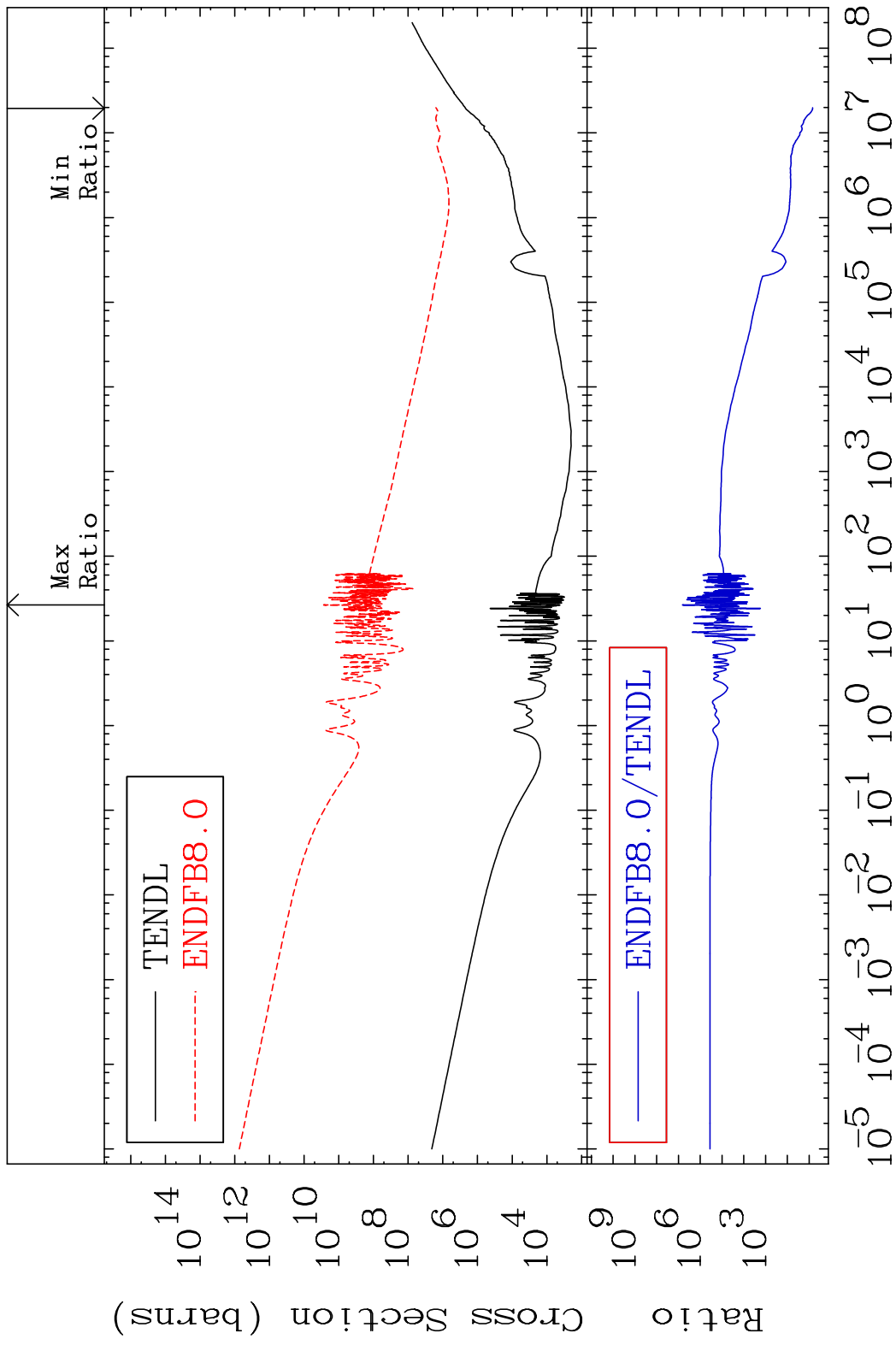


32

Incident Energy (eV)

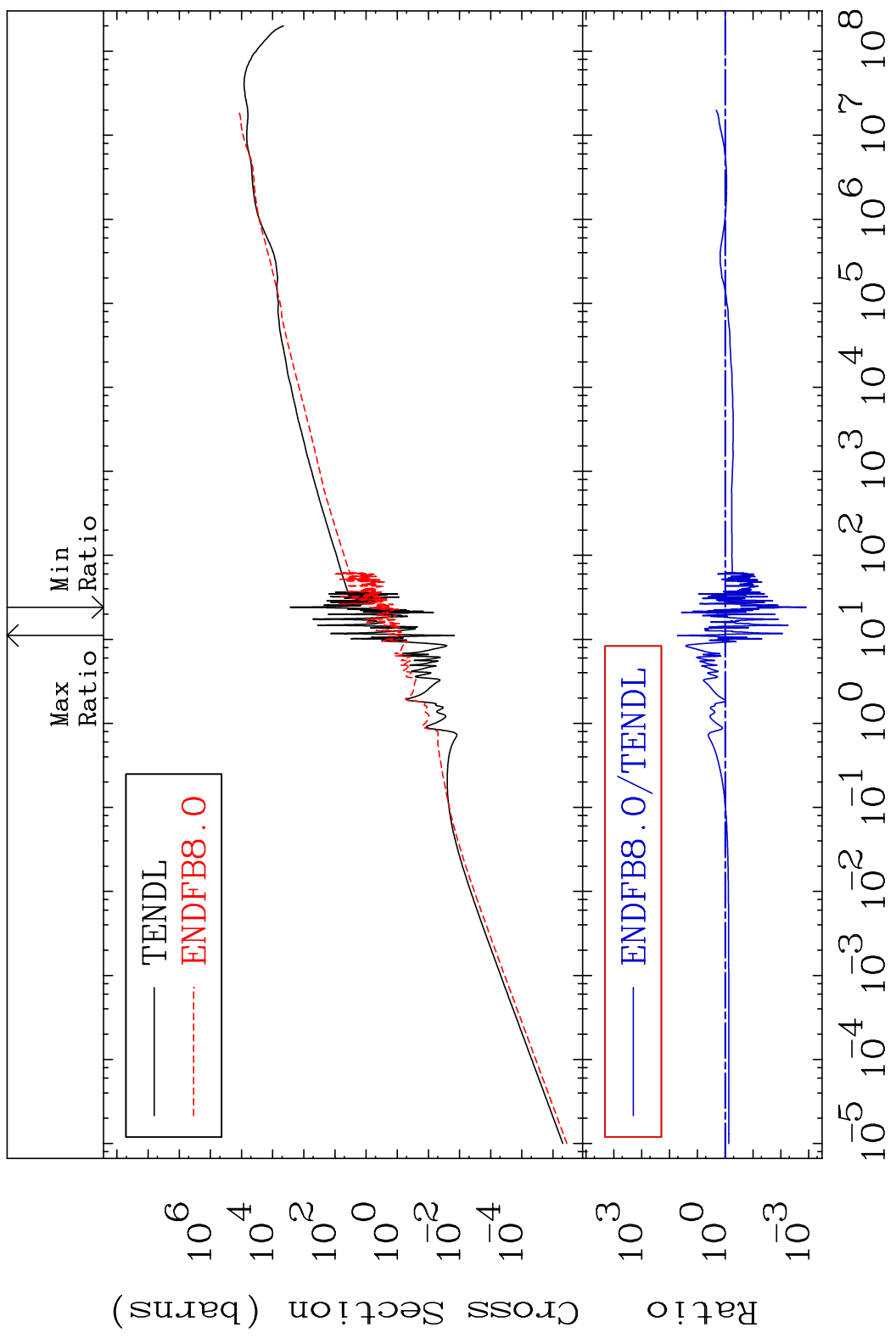
63-Eu-152

MAT 6328 Kerma total (eV-barns) 63-Eu-152  
 Cross Section 595.3 To 9999. %

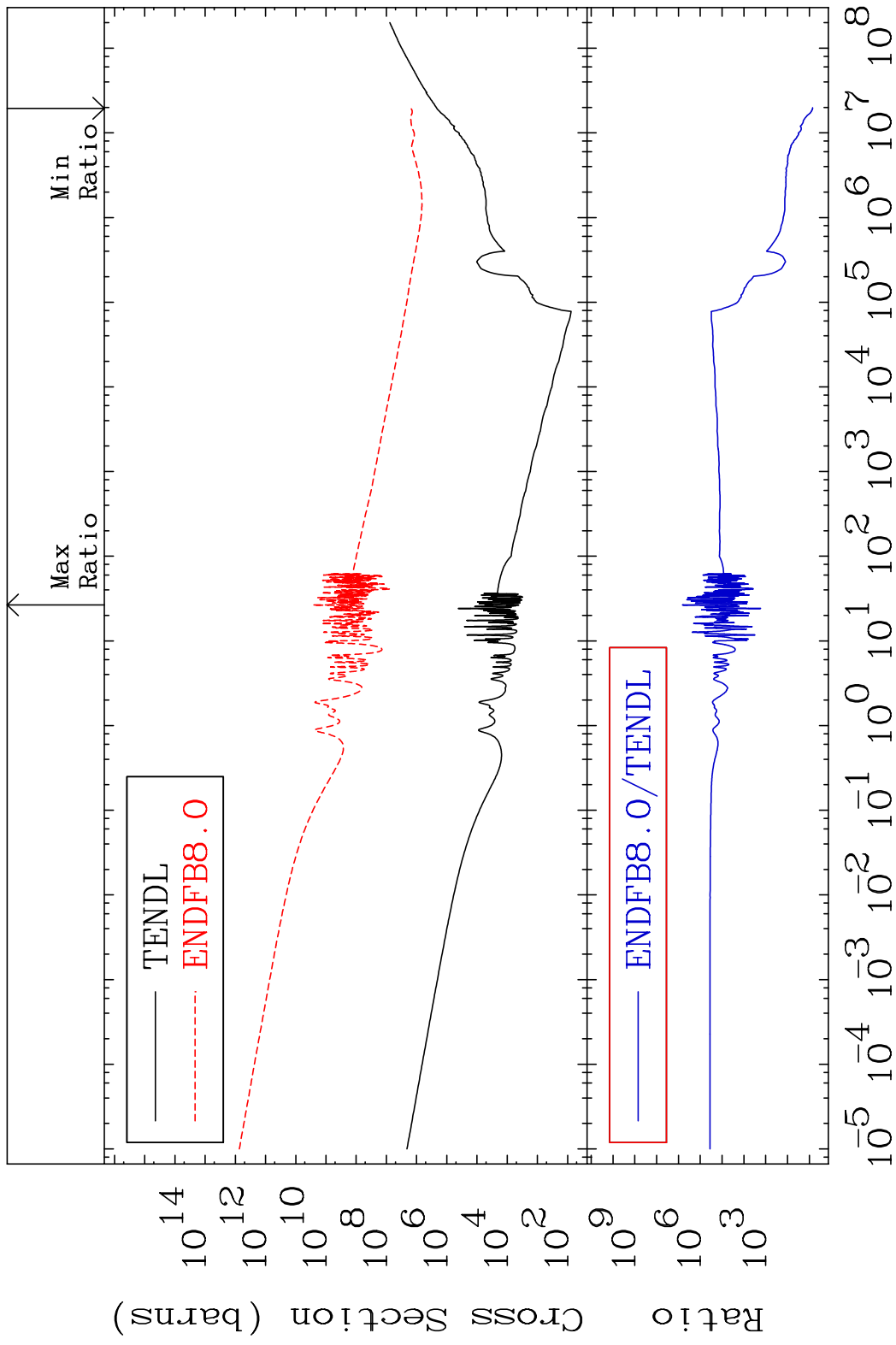


MAT 6328

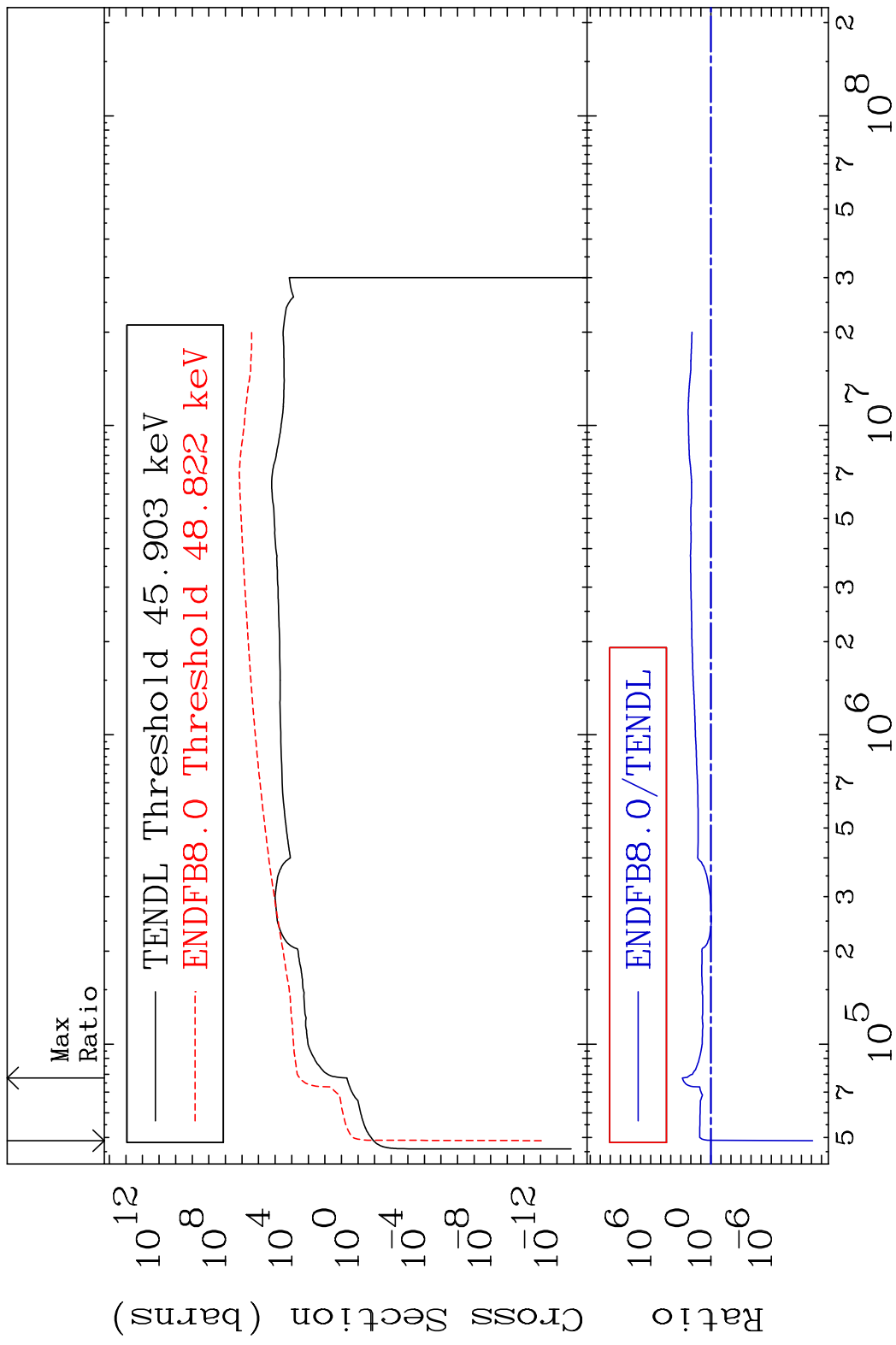
Kerma elastic Cross Section -99.88 To 5174. %  
63-Eu-152



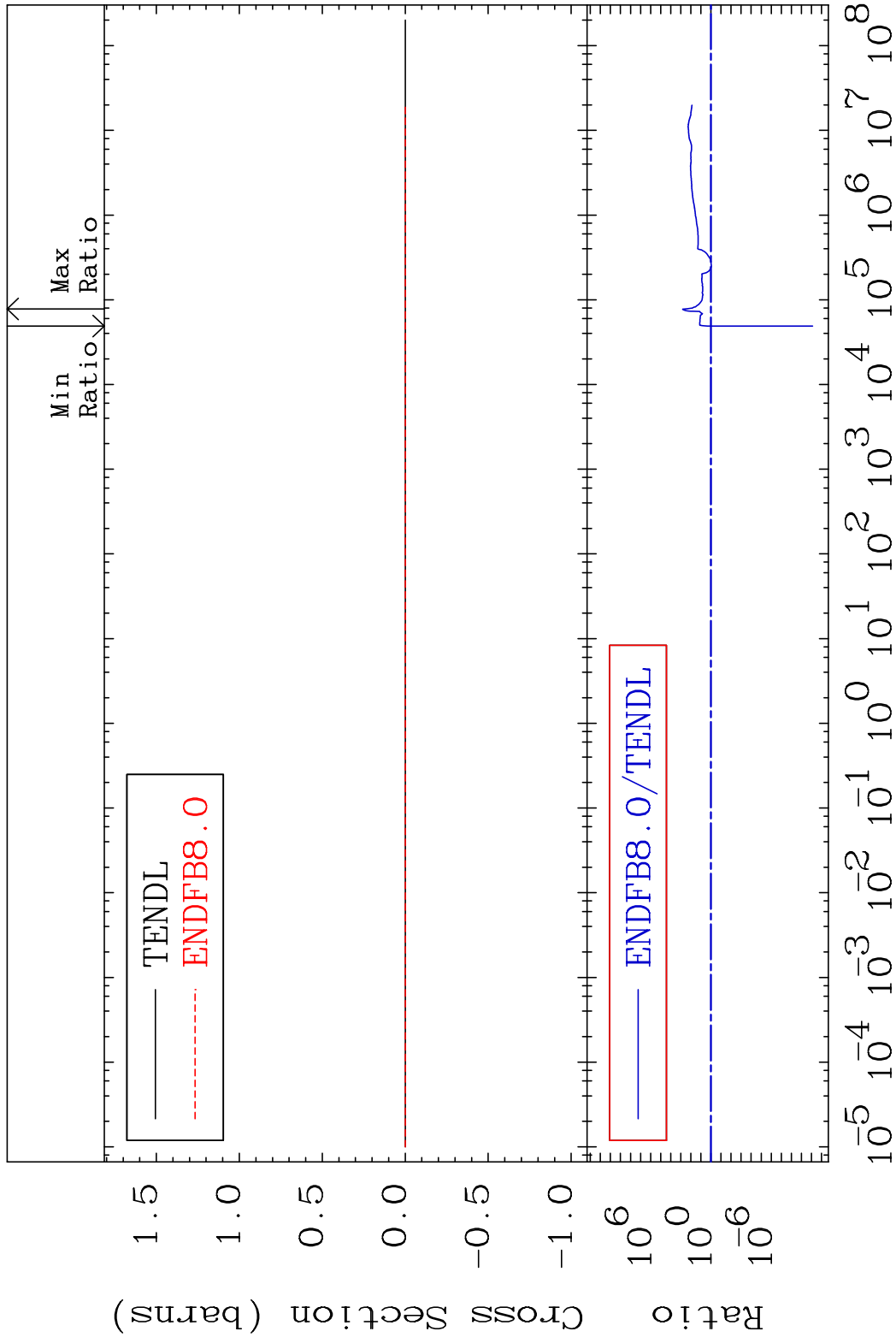
MAT 6328 Kerma non-elastic (all but mt2) 63-Eu-152  
 Cross Section 609.7 To 9999. %



MAT 6328 Kerma inelastic (mt51-91) 63-Eu-152  
 Cross Section -100.0 To 9999. %

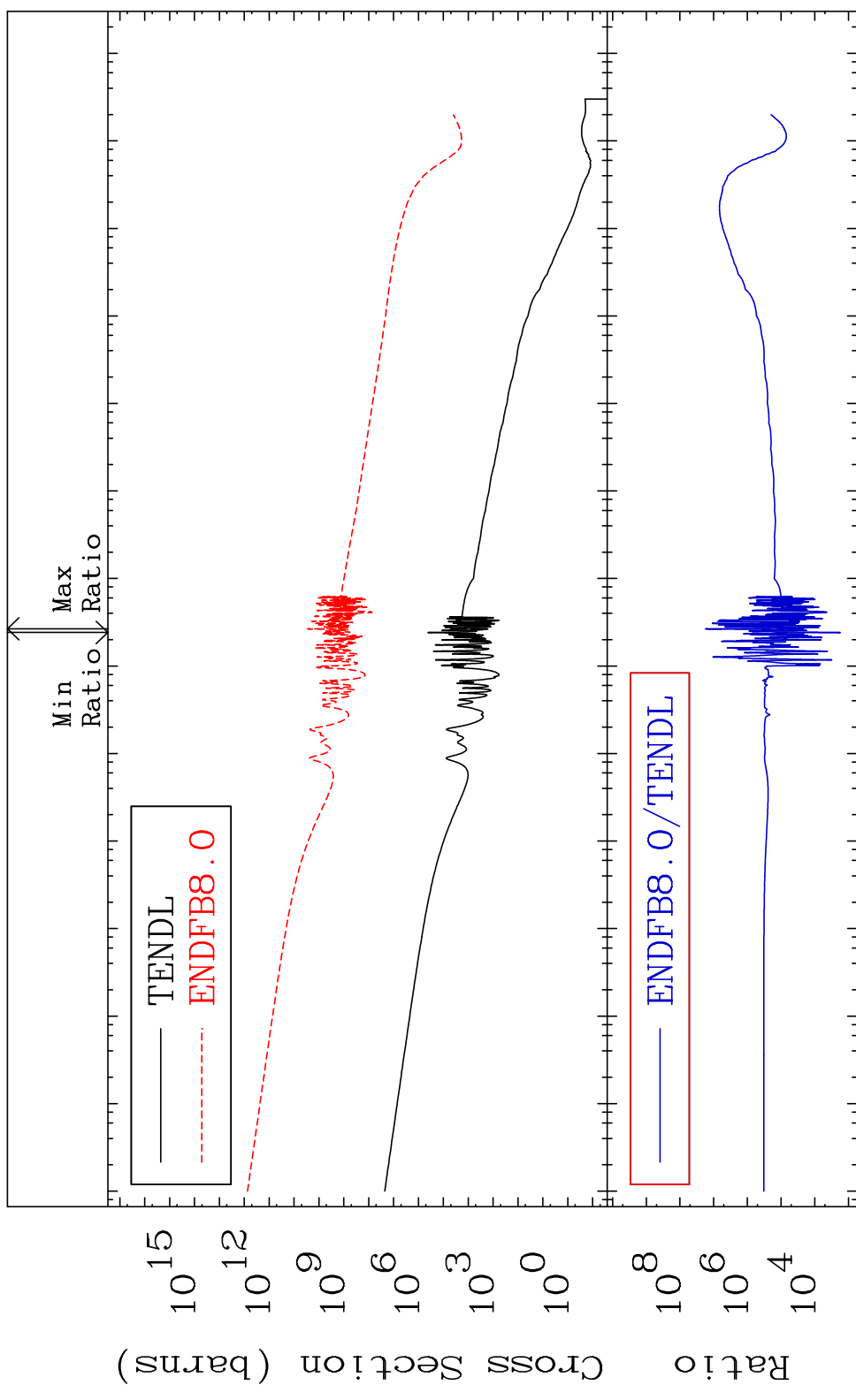


MAT 6328 Kerma fission (mt18 or mt19-20-21-38) 63-Eu-152  
 Cross Section -100.0 To 9999. %

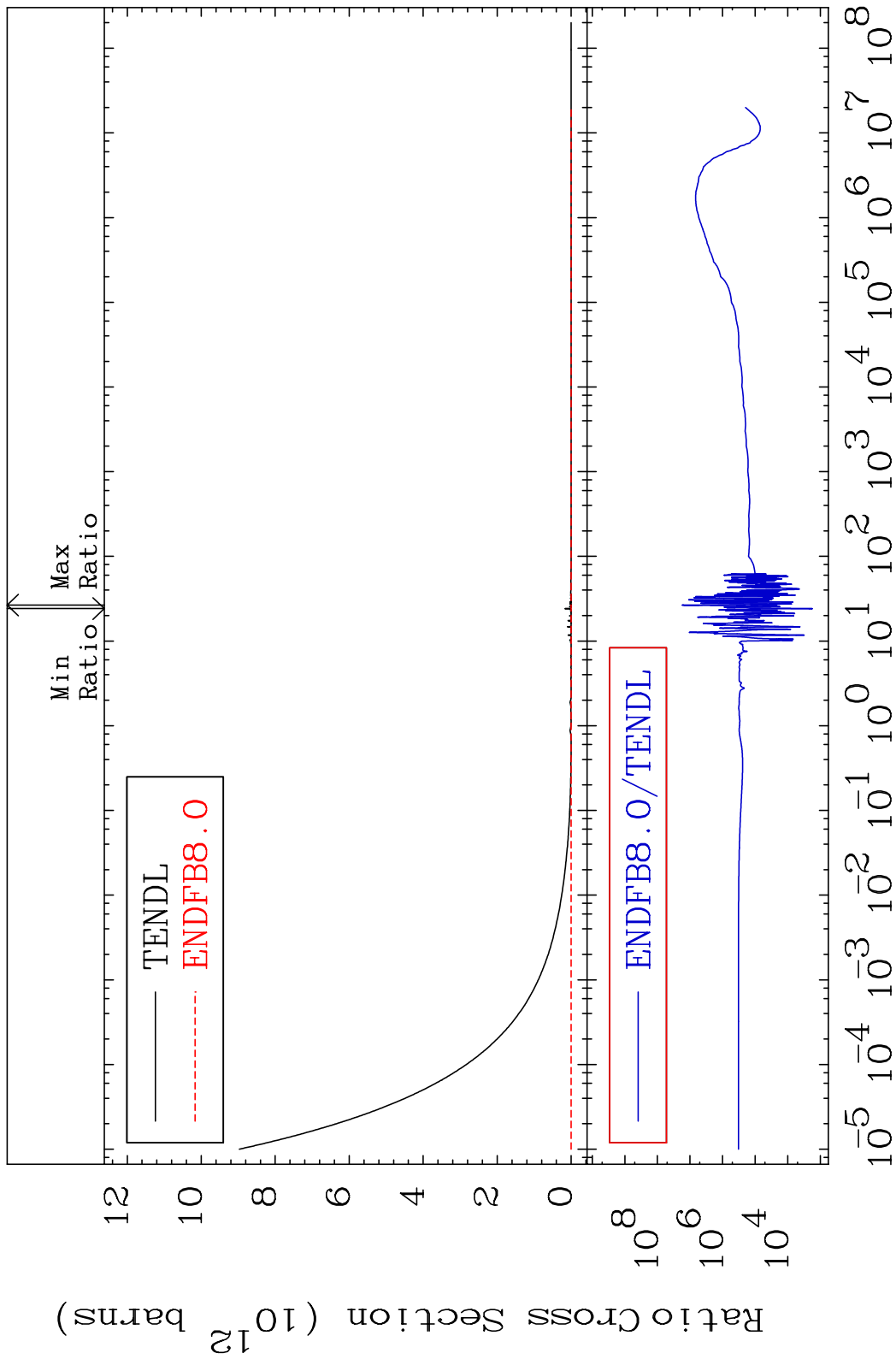


MAT 6328

Kerma capture (mt102) 63-Eu-152  
Cross Section 9999. To 9999. %



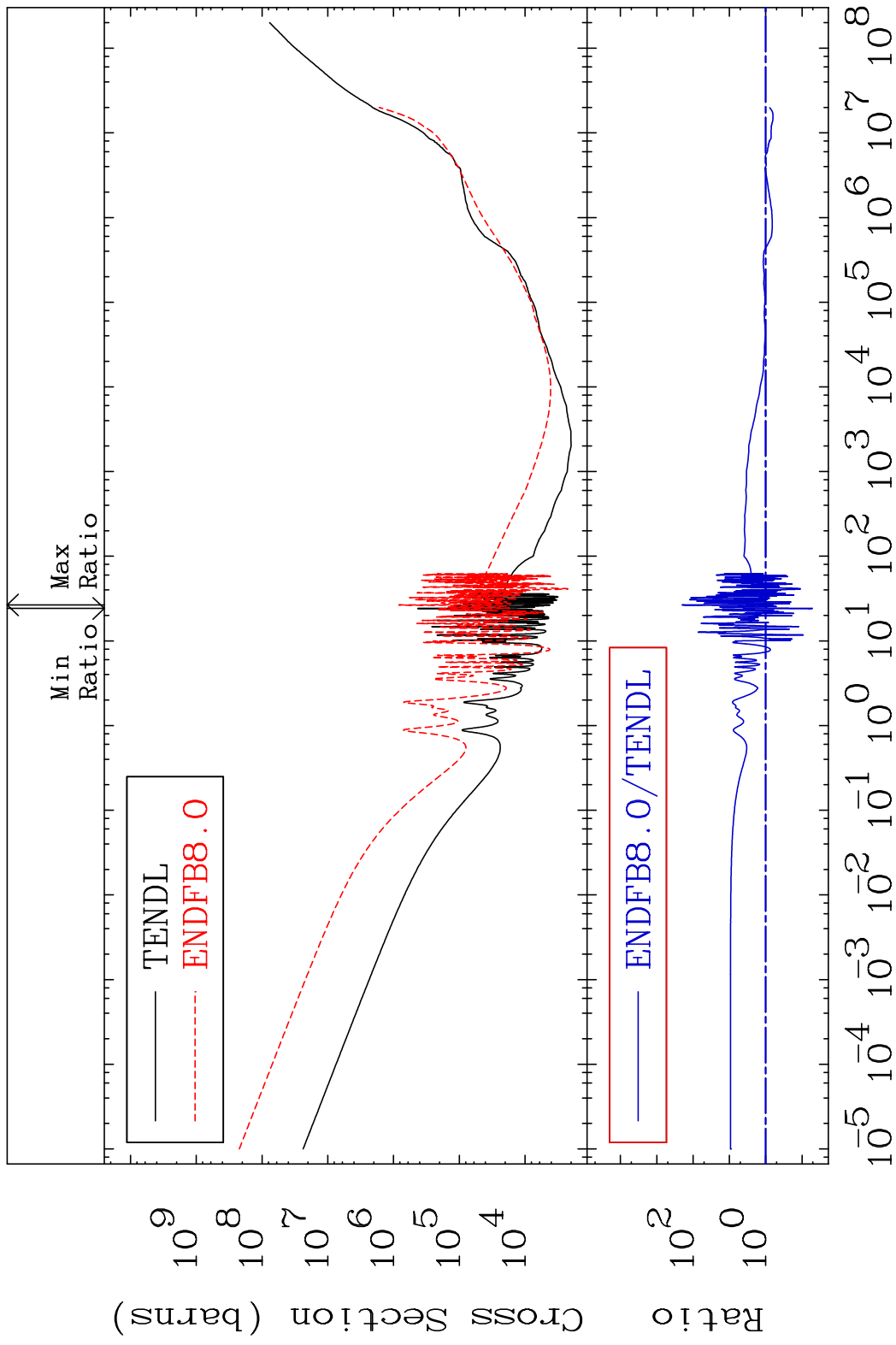
MAT 6328 Total photon (eV-barns) 63-Eu-152  
Cross Section 9999. To 9999. %



39 Incident Energy (eV) 63-Eu-152

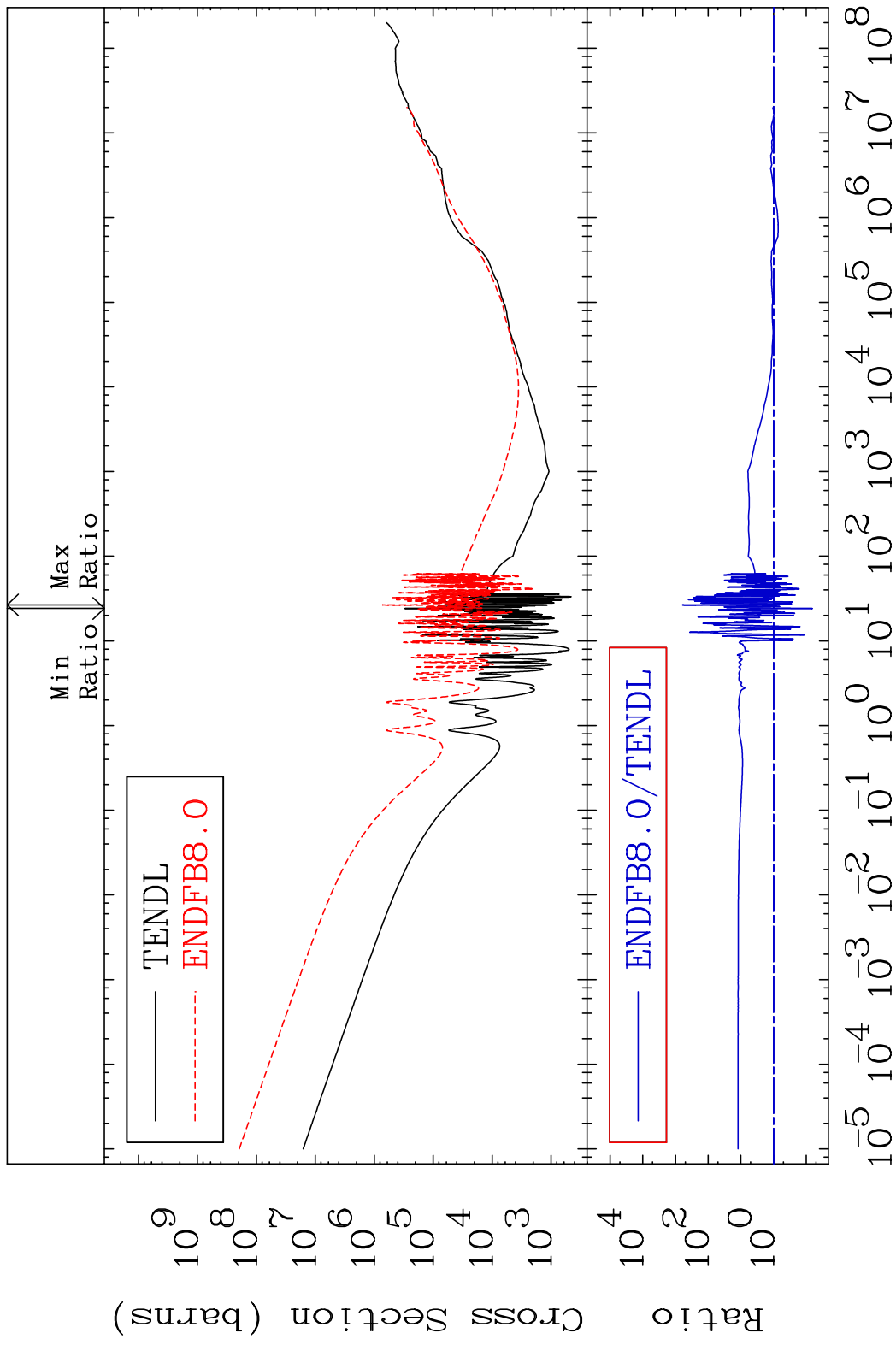


MAT 6328 Total kinematic kerma (high limit) 63-Eu-152  
Cross Section -94.88 To 9999. %



40 Incident Energy (eV) 63-Eu-152

MAT 6328 Dpa total (eV-barns) 63-Eu-152  
 Cross Section -93.60 To 9999. %

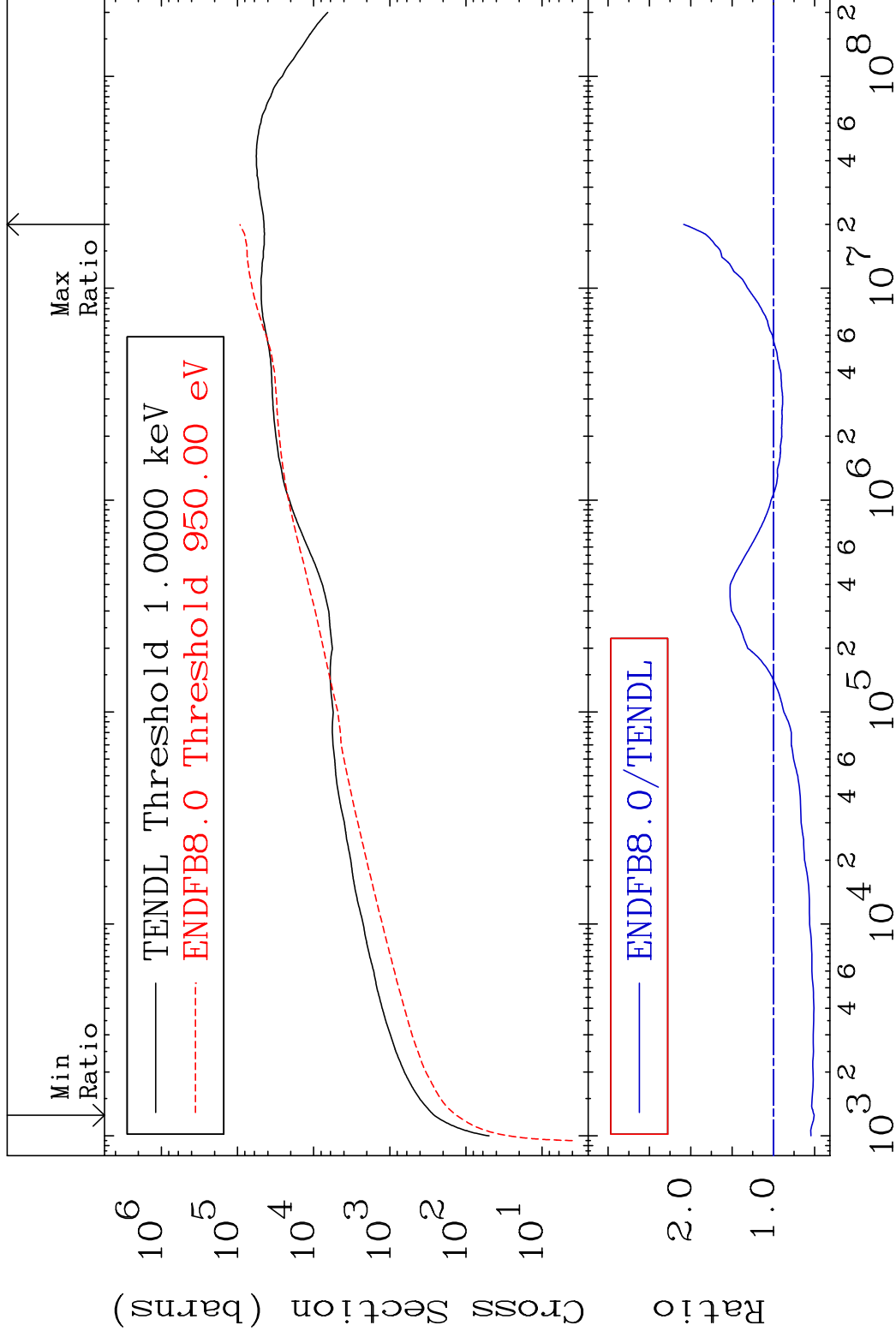


MAT 6328

Dpa elastic (mt2)

63-Eu-152

Cross Section -49.27 To 108.6 %

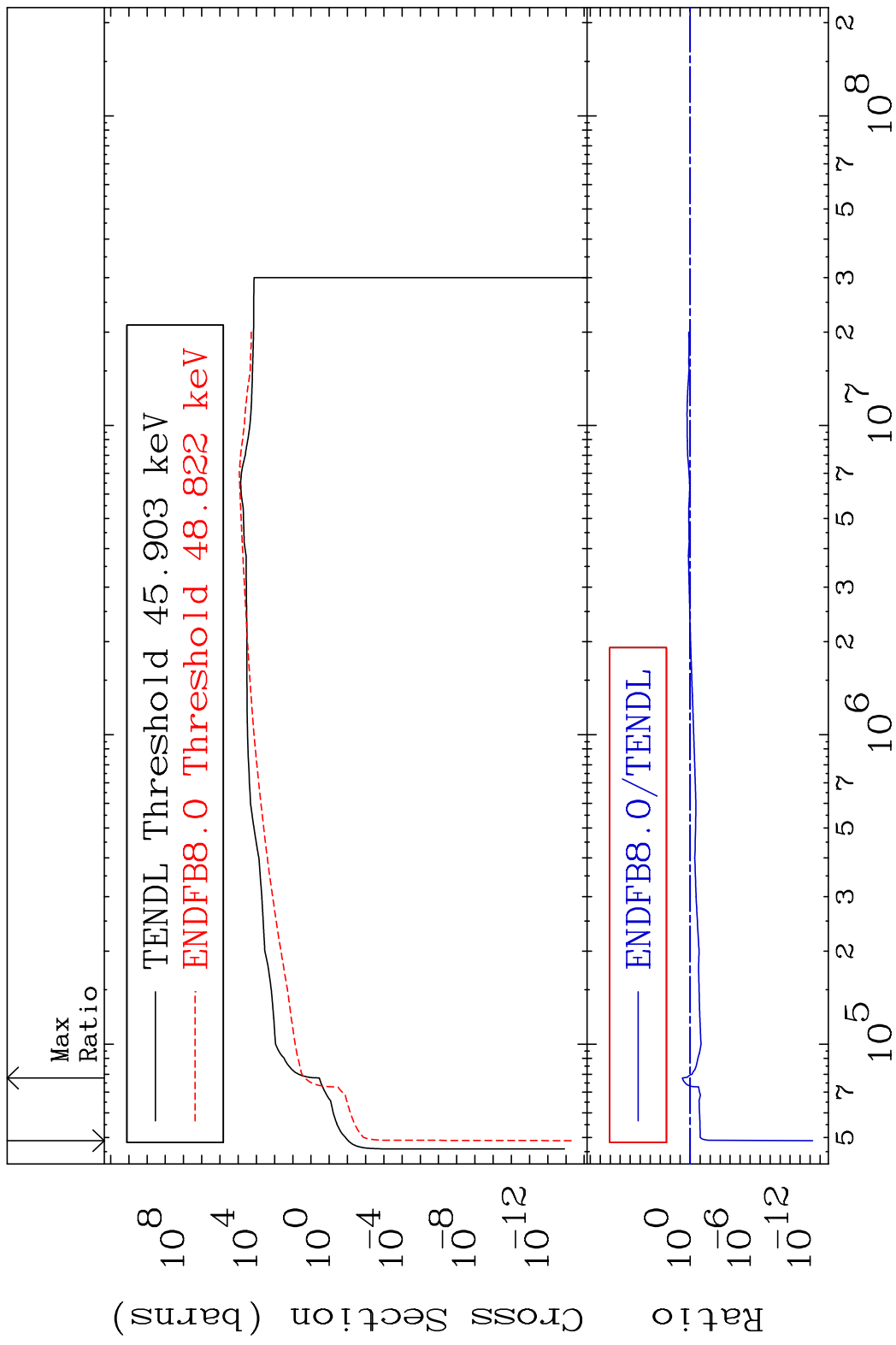


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Incident Energy (eV)

63-Eu-152

MAT 6328 Dpa inelastic (mt51-91) 63-Eu-152  
Cross Section -100.0 To 506.5 %



MAT 6328 Dpa disappearance (mt102 -120) 63-Eu-152  
 Cross Section -93.60 To 9999. %

