

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

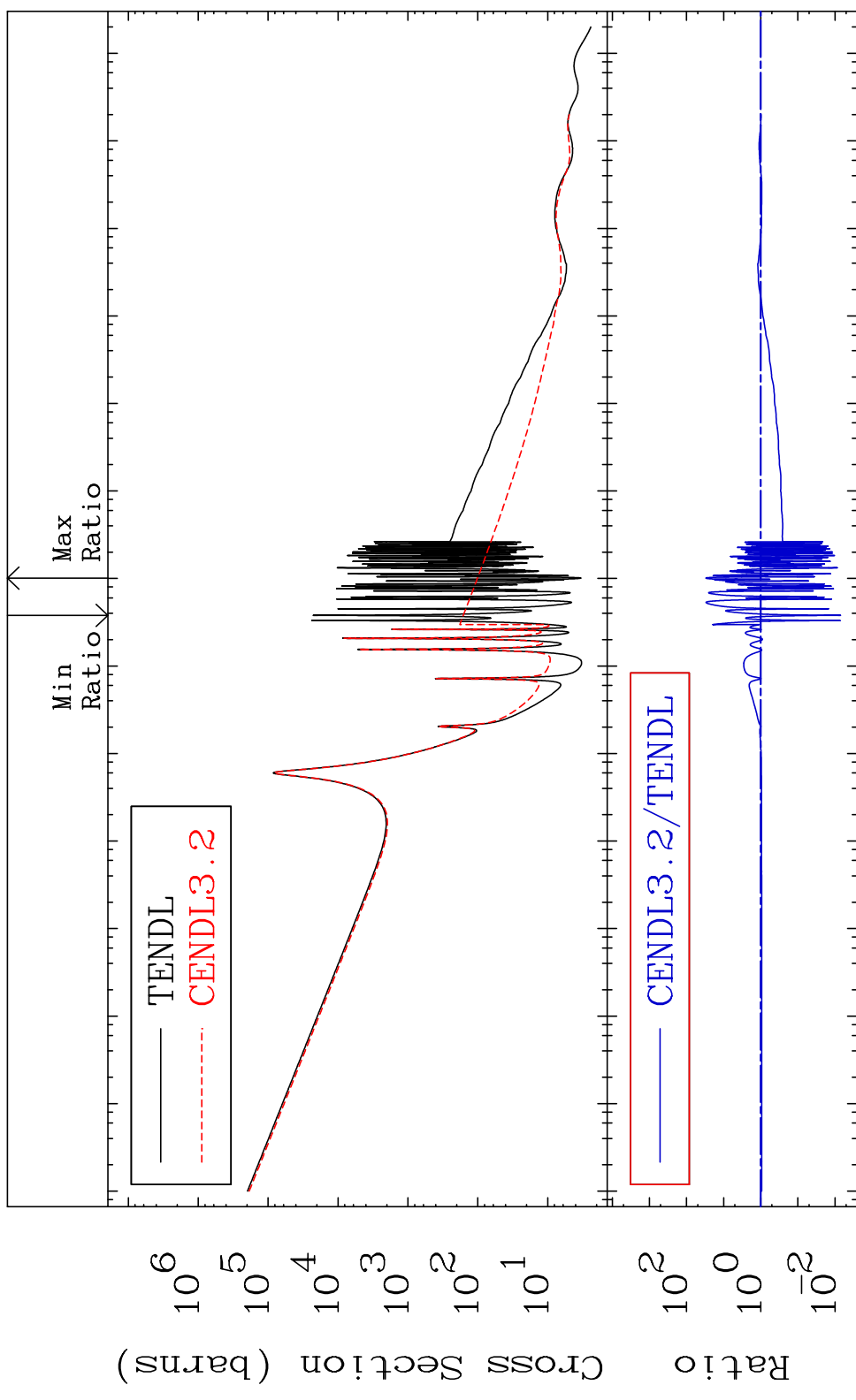
Press Mouse Button to Start

MAT 6337

Total

63-Eu-155

Cross Section -99.29 To 2938. %



1

Incident Energy (eV)

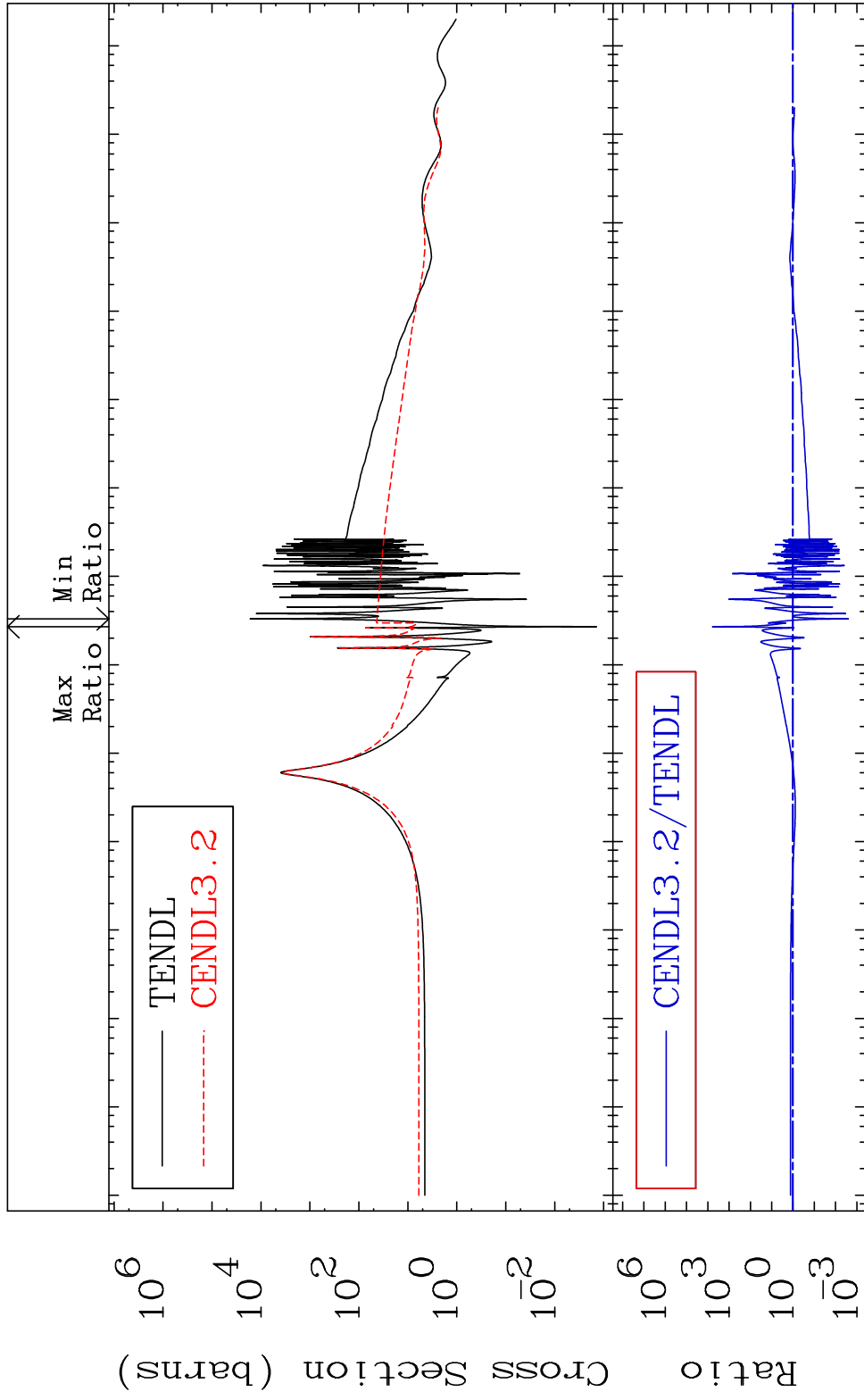
63-Eu-155

MAT 6337

Elastic

63-Eu-155

Cross Section -99.75 To 9999. %

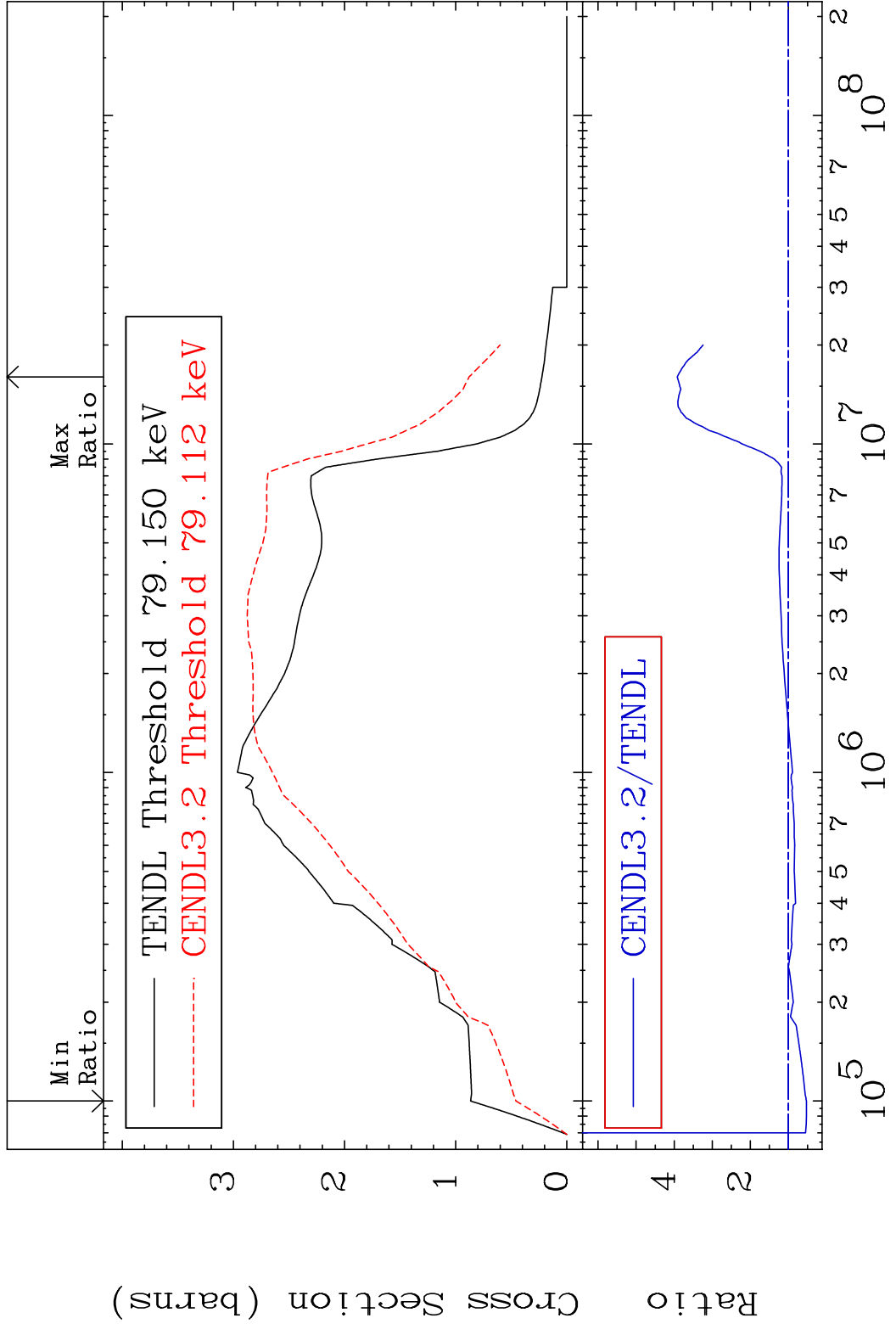


2

Incident Energy (eV)

63-Eu-155

MAT 6337 Inelastic 63-Eu-155  
 Cross Section -47.16 To 292.2 %



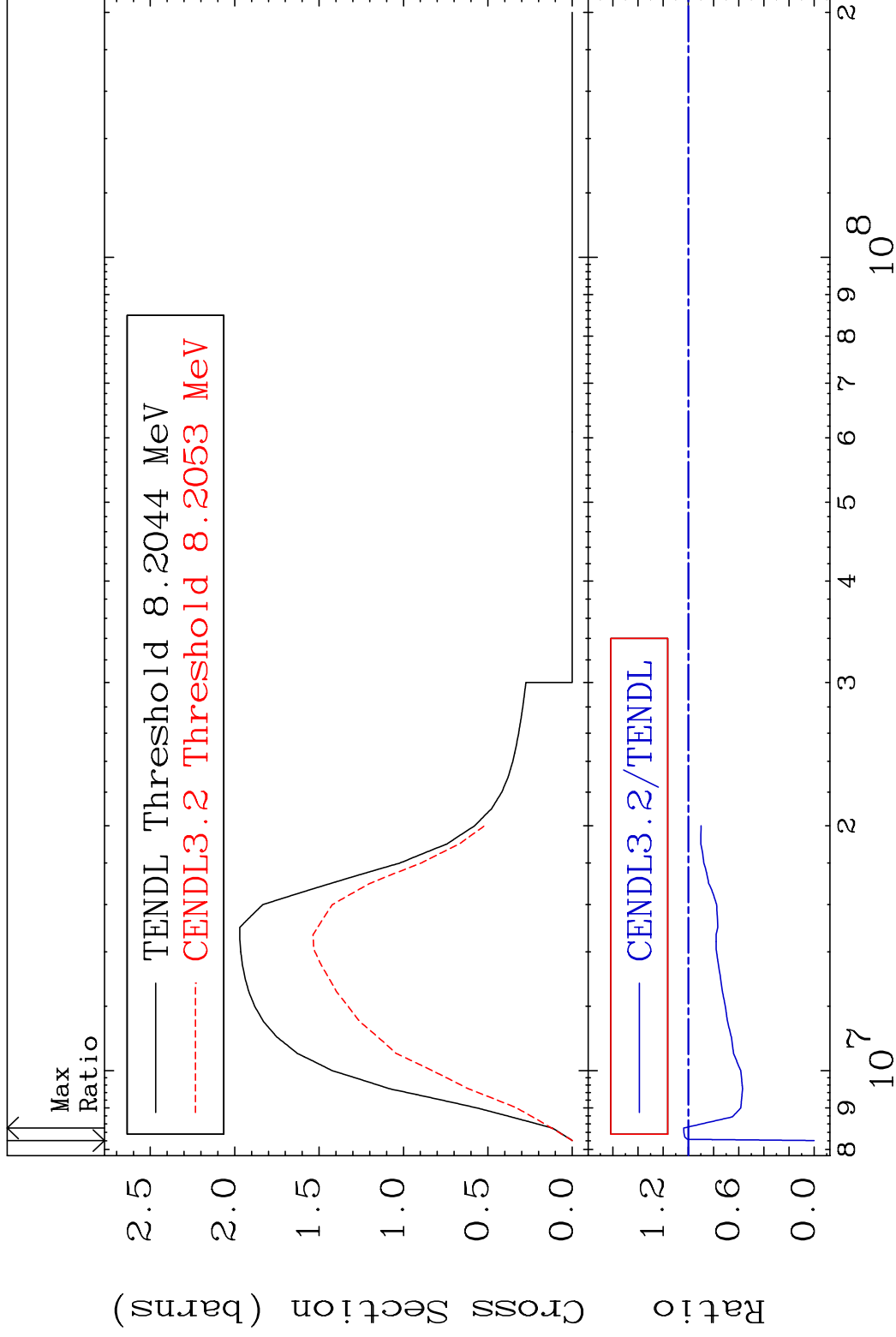
3 Incident Energy (eV) 63-Eu-155

MAT 6337

(n,2n)

63-Eu-155

Cross Section -100.0 To 3.746 %



4

Incident Energy (eV)

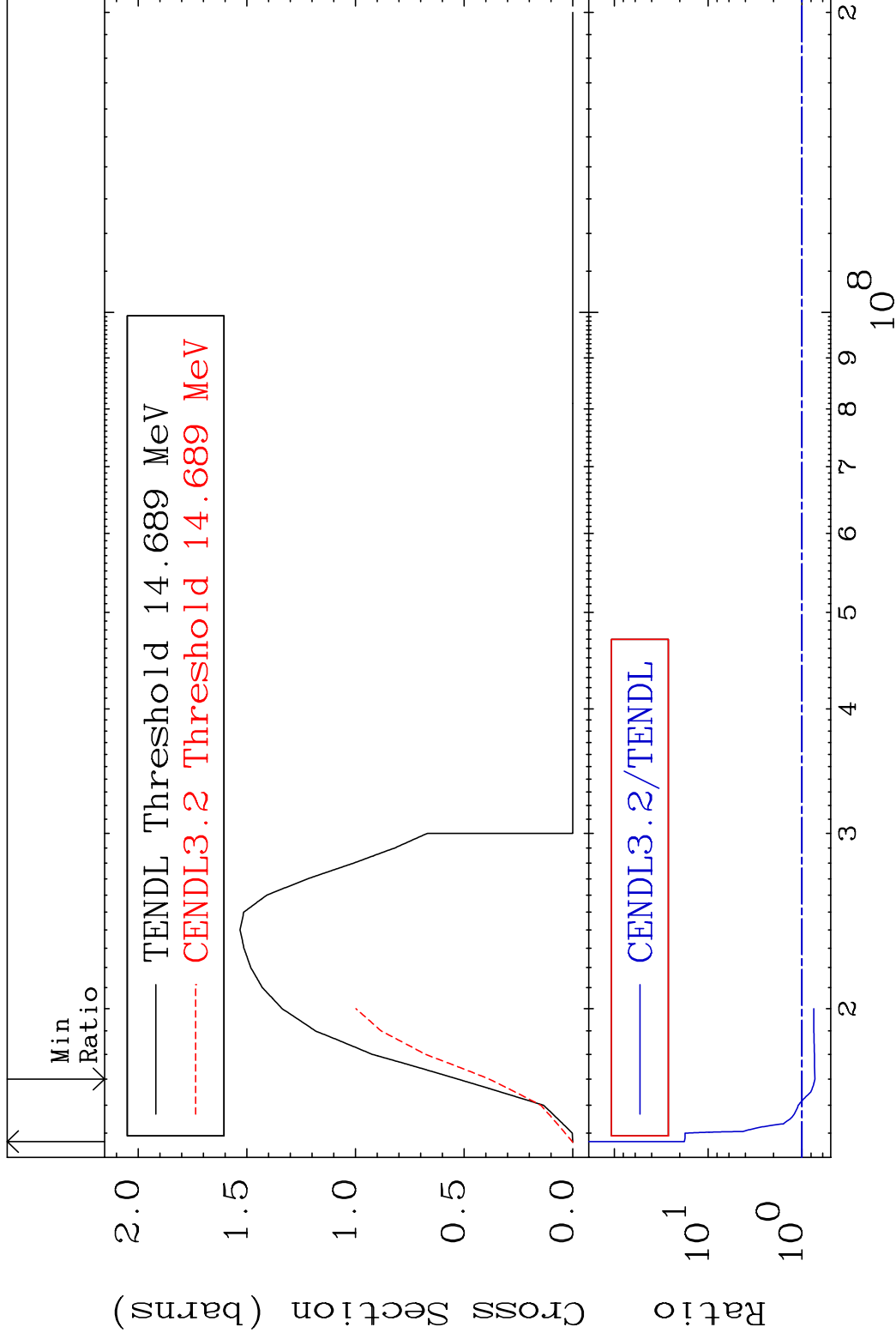
63-Eu-155

MAT 6337

(n,3n)

63-Eu-155

Cross Section -27.37 To 1691. %

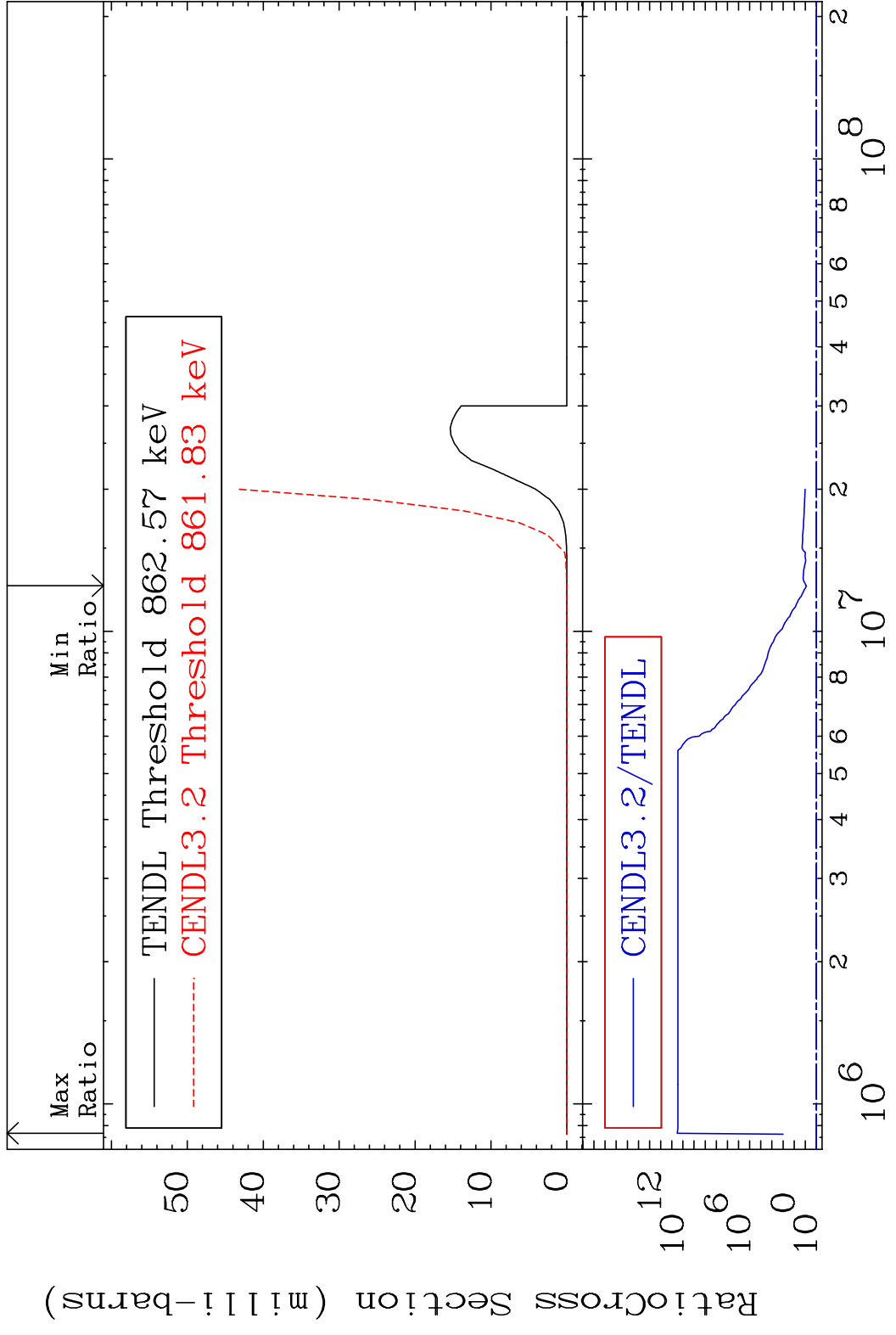


5

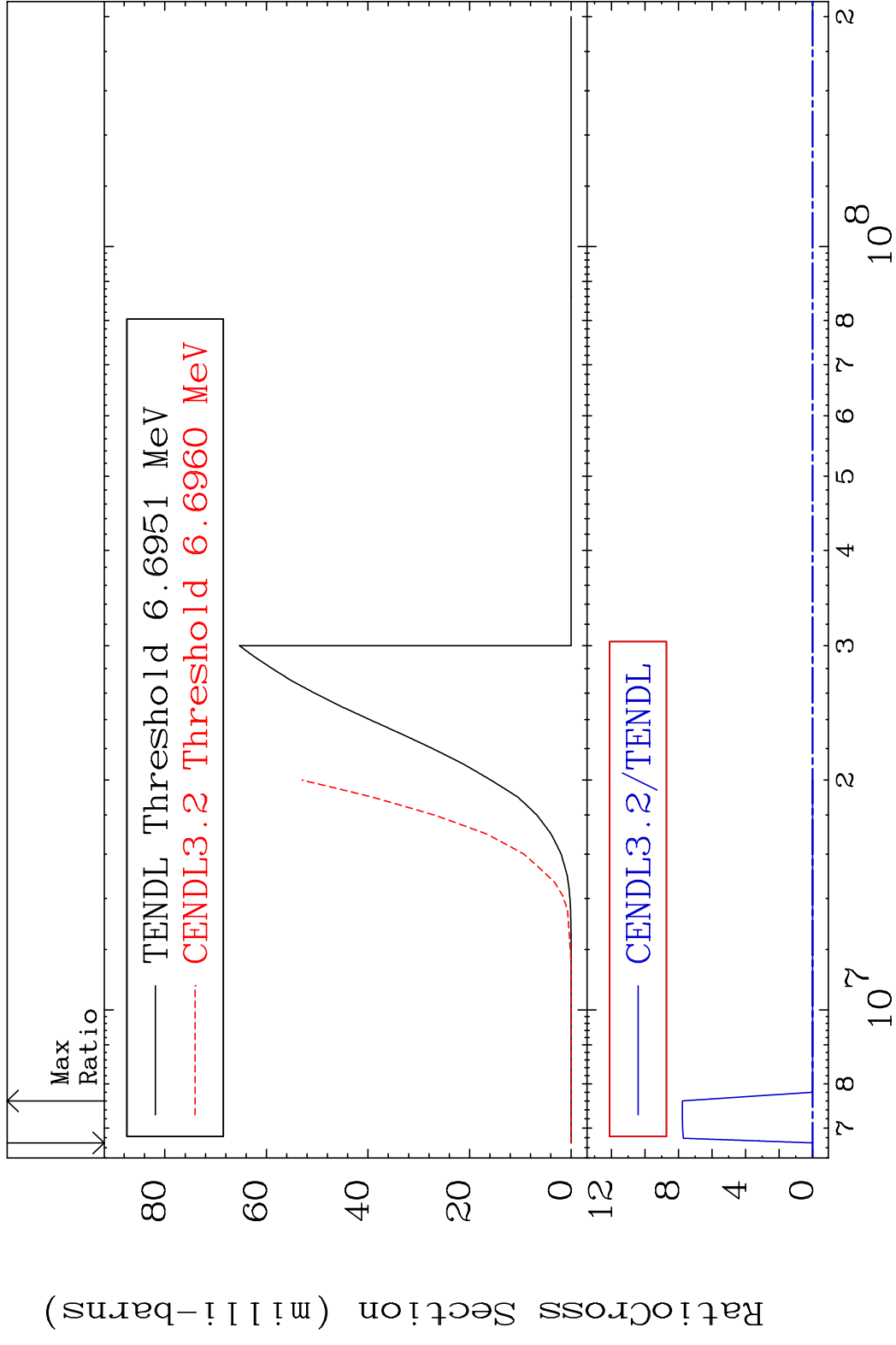
Incident Energy (eV)

63-Eu-155

MAT 6337 (n, n')  $\alpha$  63-Eu-155  
 Cross Section 696.3 To 9999. %



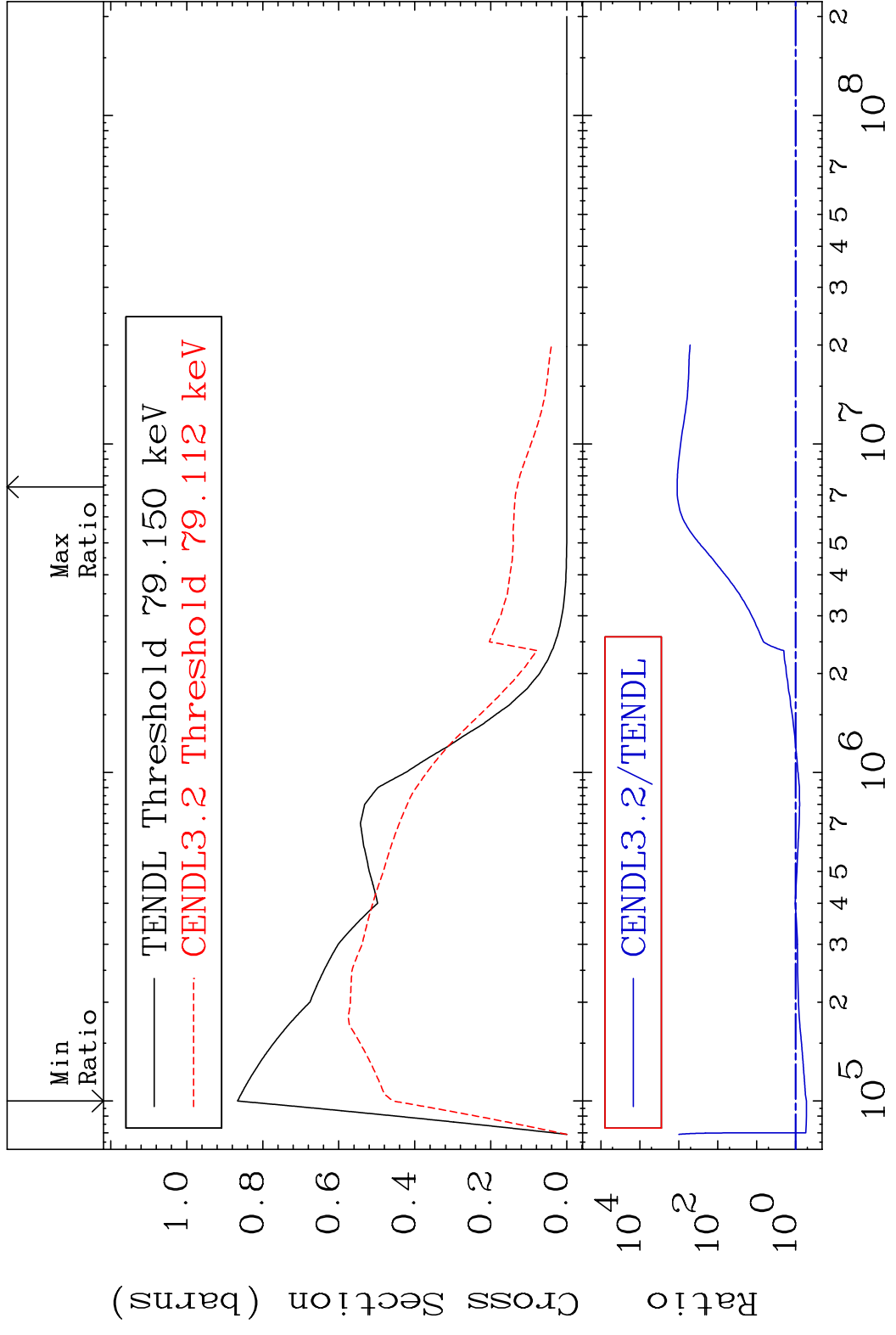
MAT 6337 (n, n') p 63-Eu-155  
 Cross Section -100.0 To 9999. %



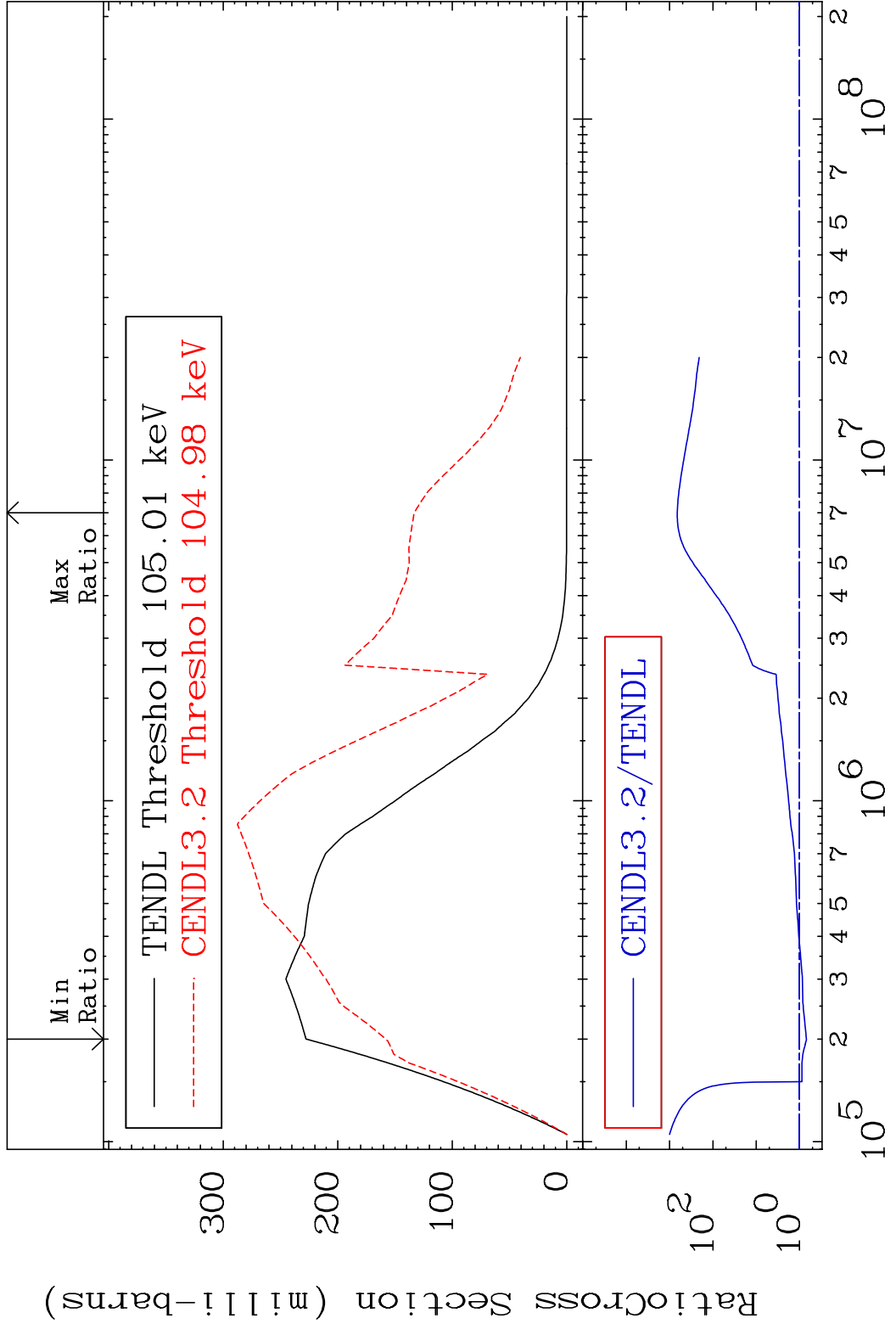
7 Incident Energy (eV) 63-Eu-155



MAT 6337 MT= 51 (n, n') Level 63-Eu-155  
 Cross Section -47.16 To 9999. %

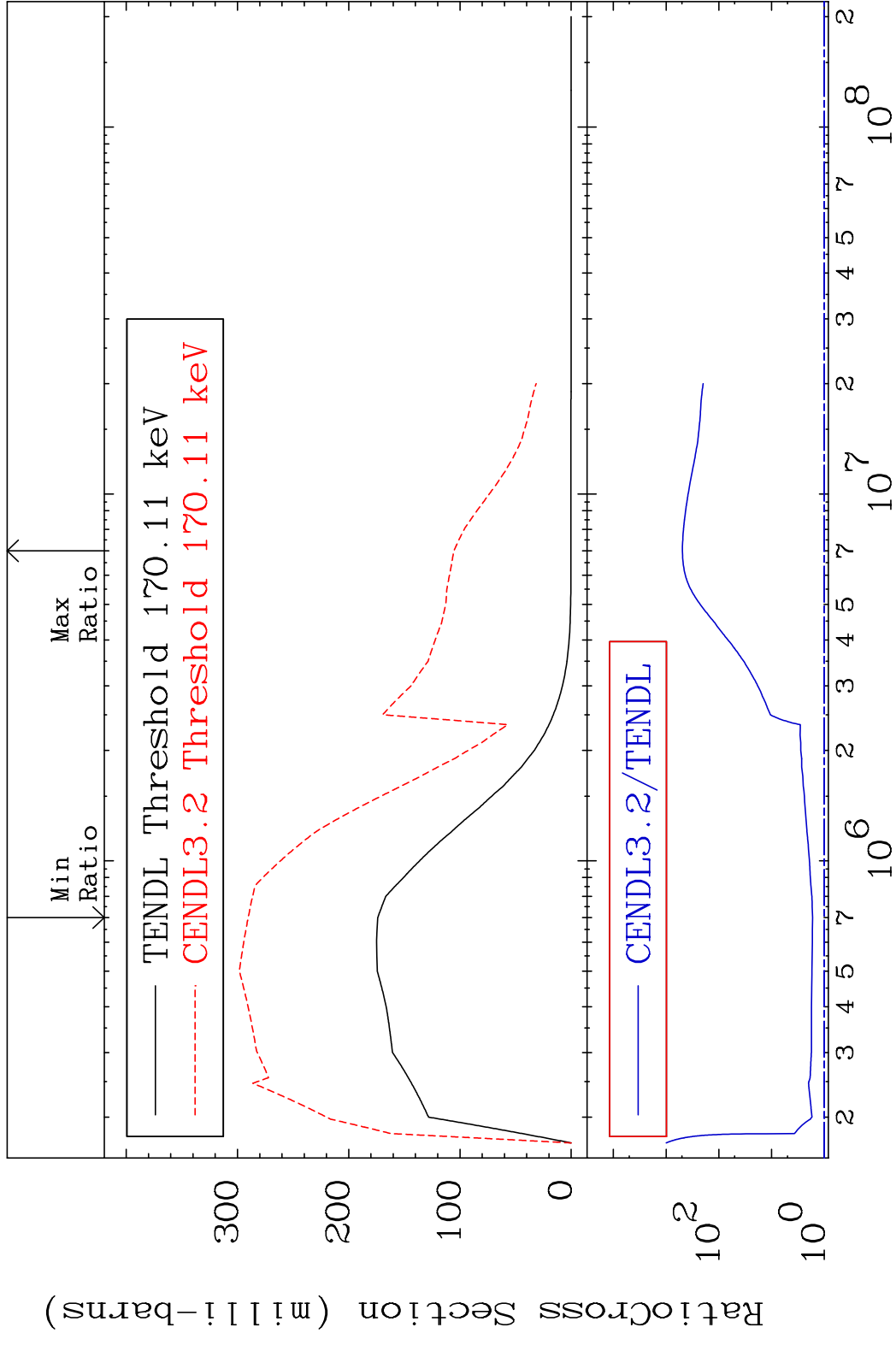


MAT 6337 MT= 52 (n, n') Level 63-Eu-155  
 Cross Section -30.56 To 9999. %



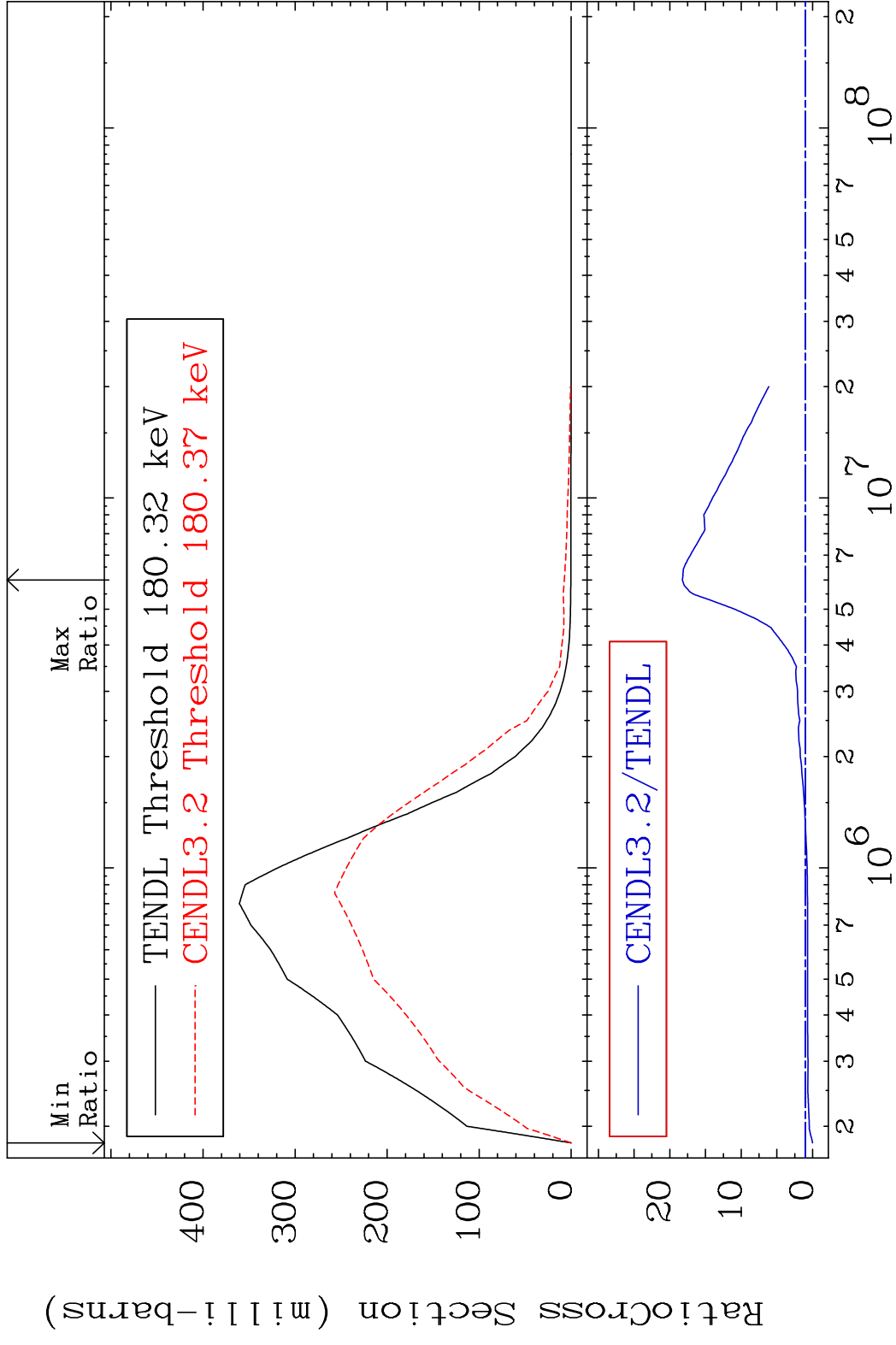
9 Incident Energy (eV) 63-Eu-155

MAT 6337 MT= 53 (n, n') Level 63-Eu-155  
 Cross Section 67.01 To 9999. %

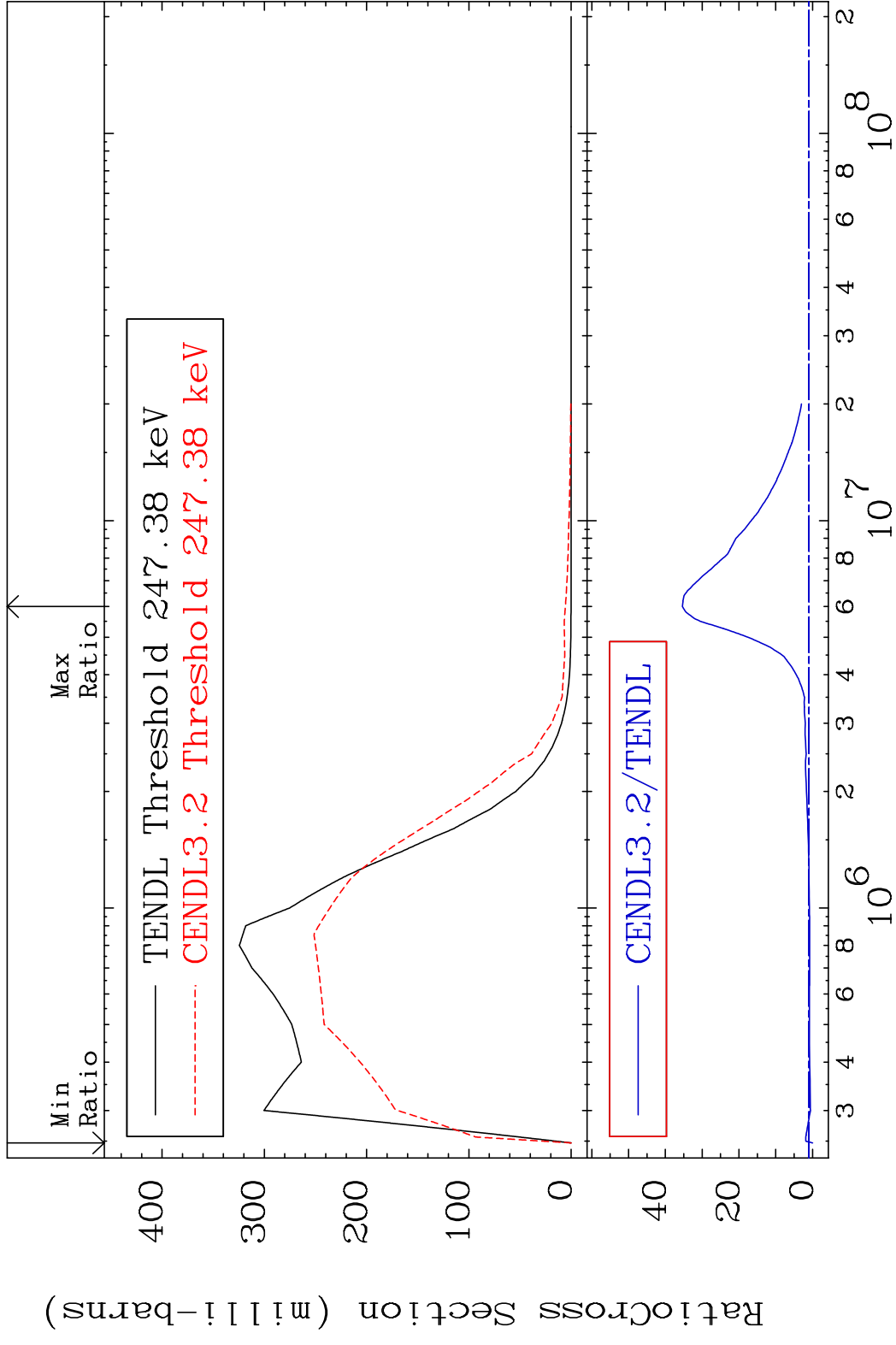


10 Incident Energy (eV) 63-Eu-155

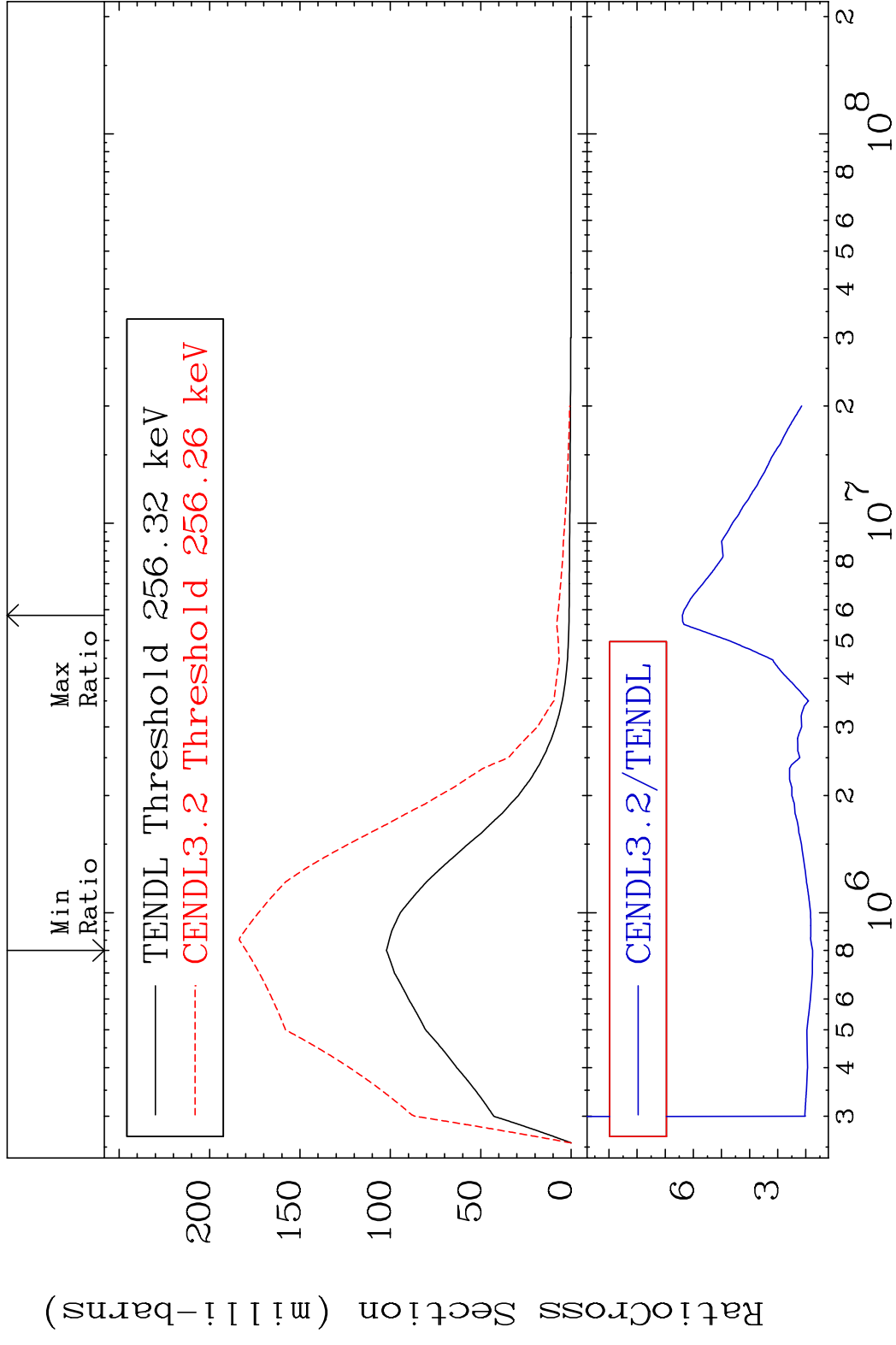
MAT 6337 MT= 54 (n, n') Level 63-Eu-155  
 Cross Section -100.0 To 1724. %



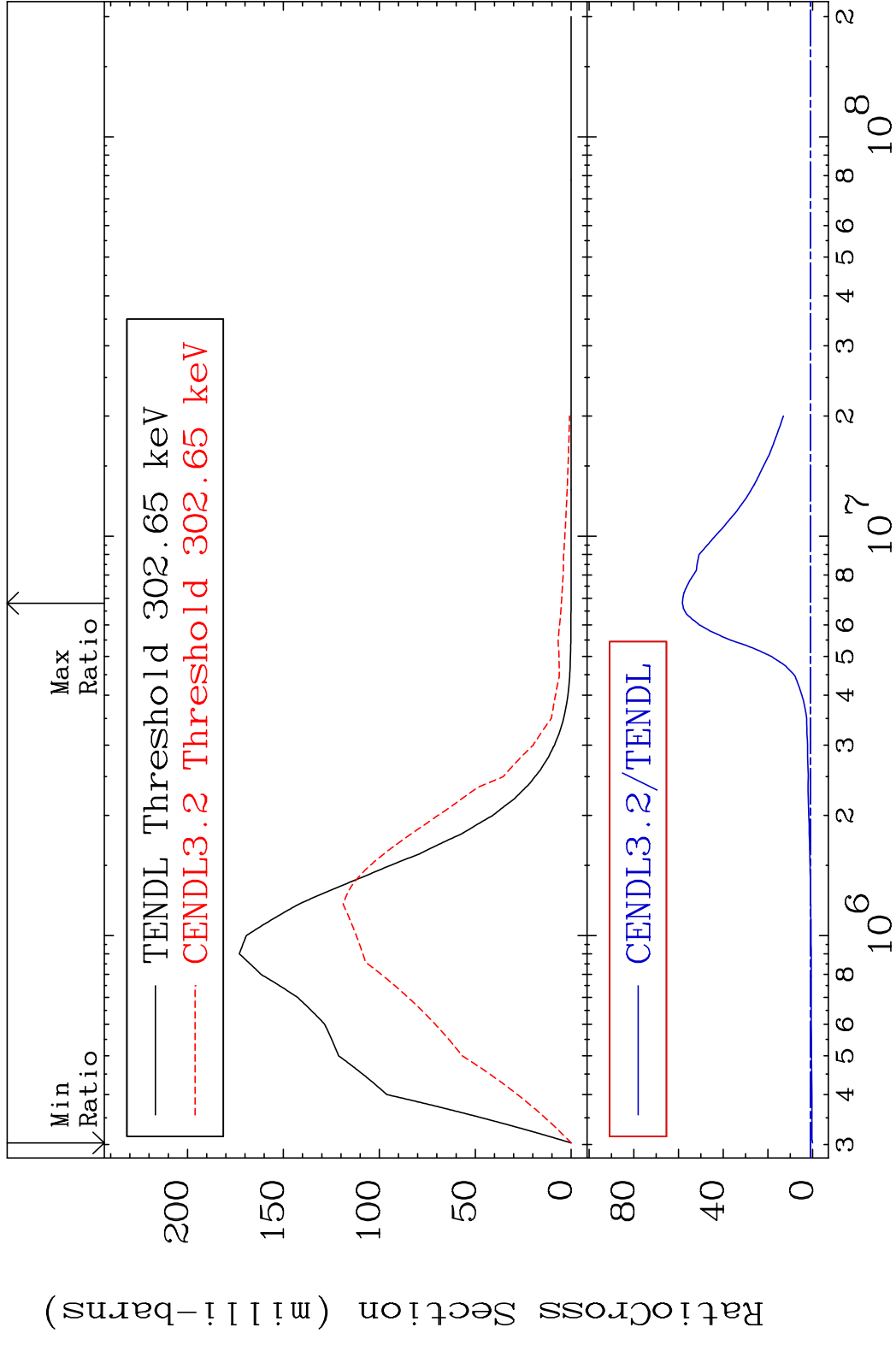
MAT 6337 MT= 55 (n, n') Level 63-Eu-155  
 Cross Section -100.0 To 3438. %



MAT 6337 MT= 56 (n, n') Level 63-Eu-155  
 Cross Section 76.03 To 538.9 %



MAT 6337 MT= 57 (n, n') Level 63-Eu-155  
 Cross Section -100.0 To 5730. %

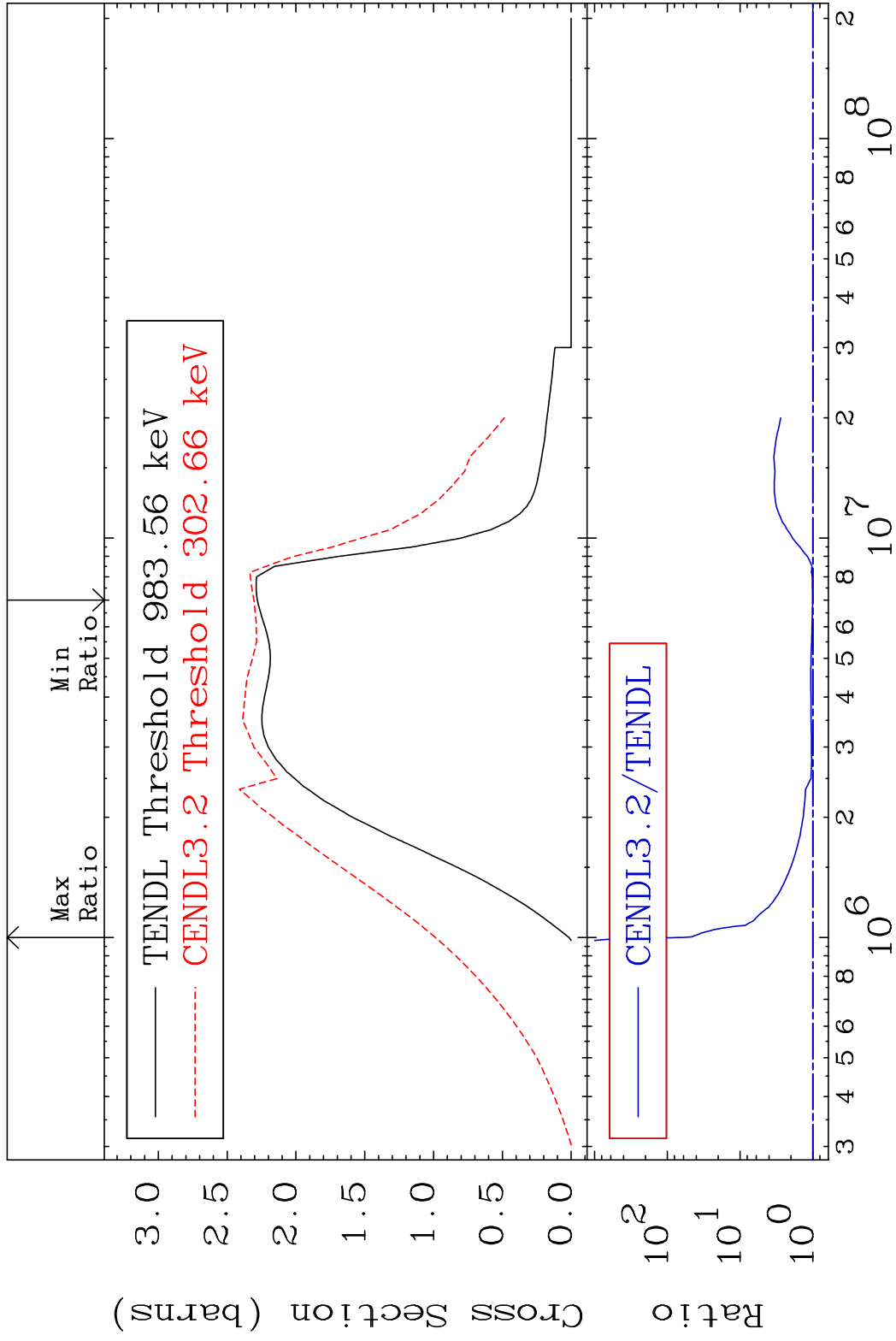


MAT 6337

(n, n') Continuum

63-Eu-155

Cross Section 1.104 To 6134. %



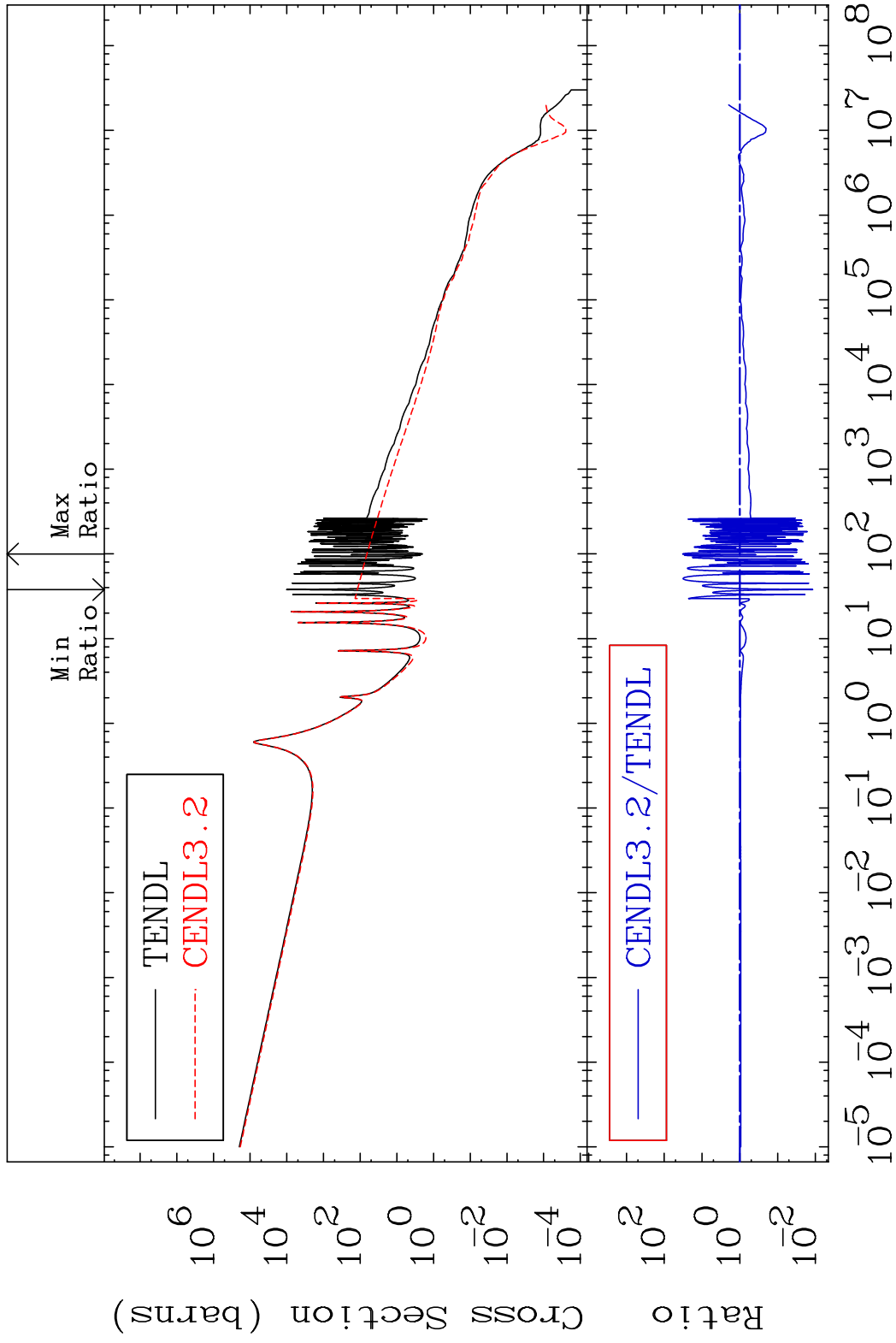


MAT 6337

(n,  $\gamma$ )

63-Eu-155

Cross Section -98.81 To 3216. %



16

Incident Energy (eV)

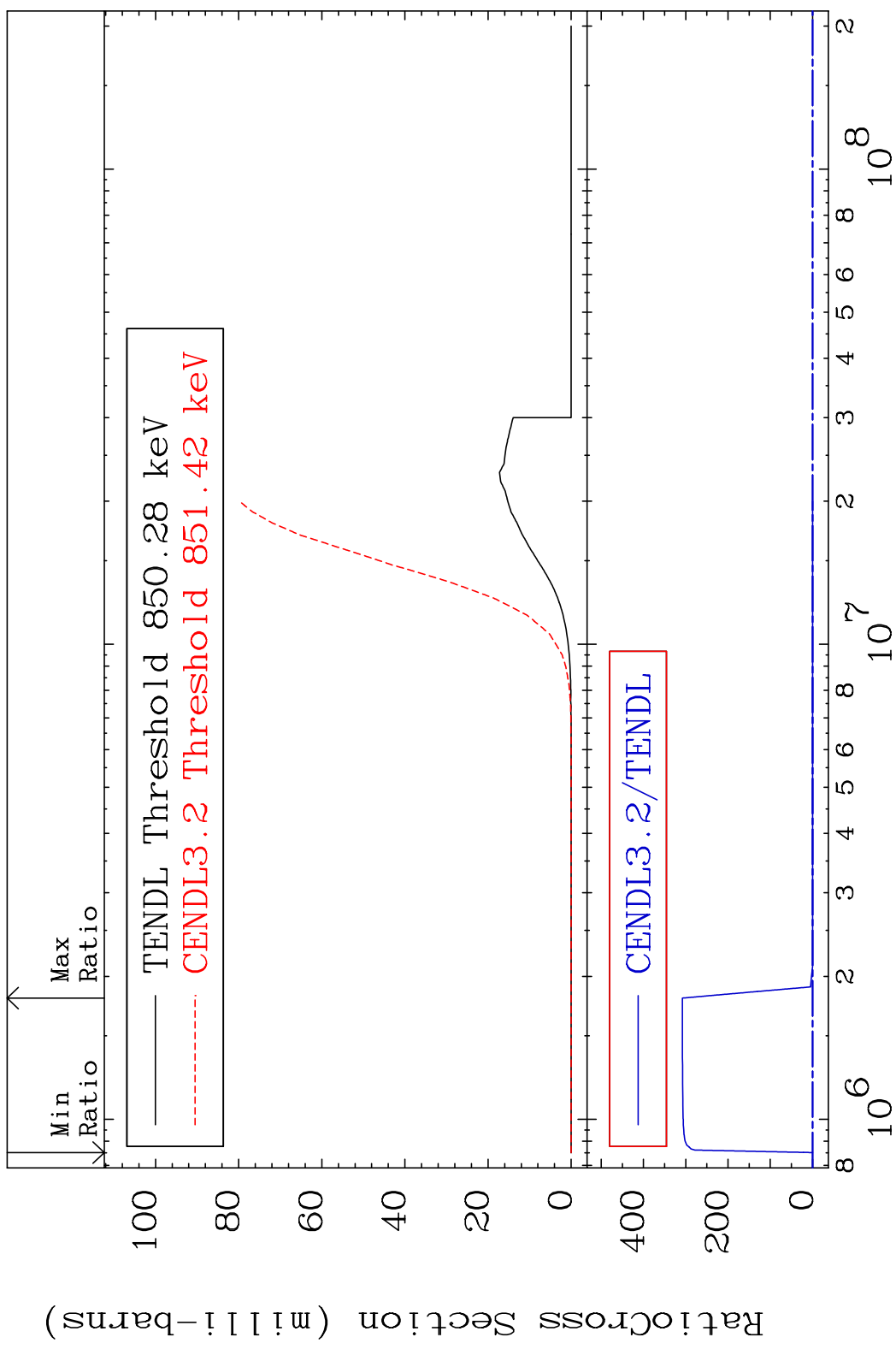
63-Eu-155

MAT 6337

(n,p)

63-Eu-155

Cross Section -100.0 To 9999. %

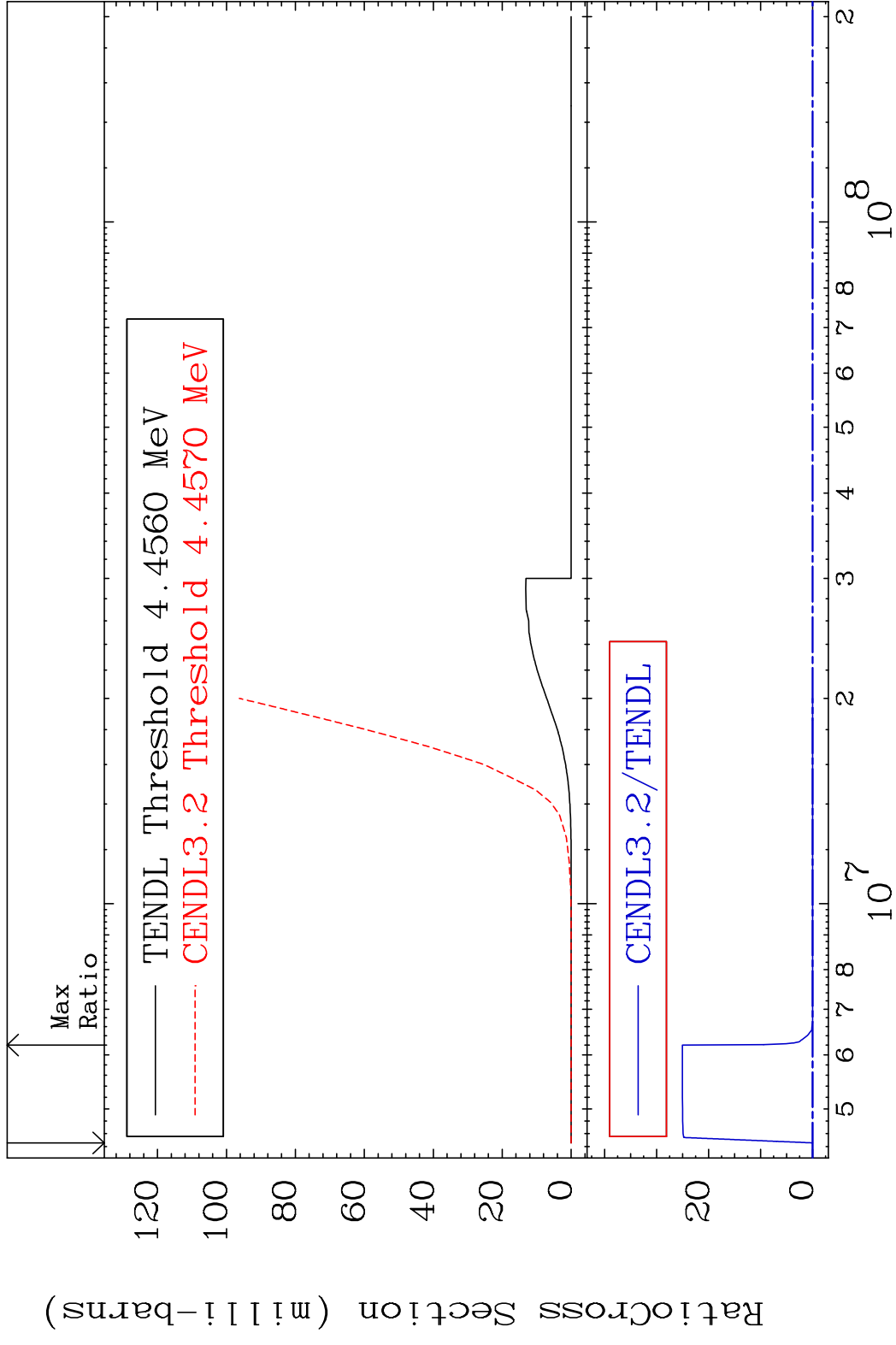


17

Incident Energy (eV)

63-Eu-155

MAT 6337 (n,d) 63-Eu-155  
 Cross Section -100.0 To 9999. %

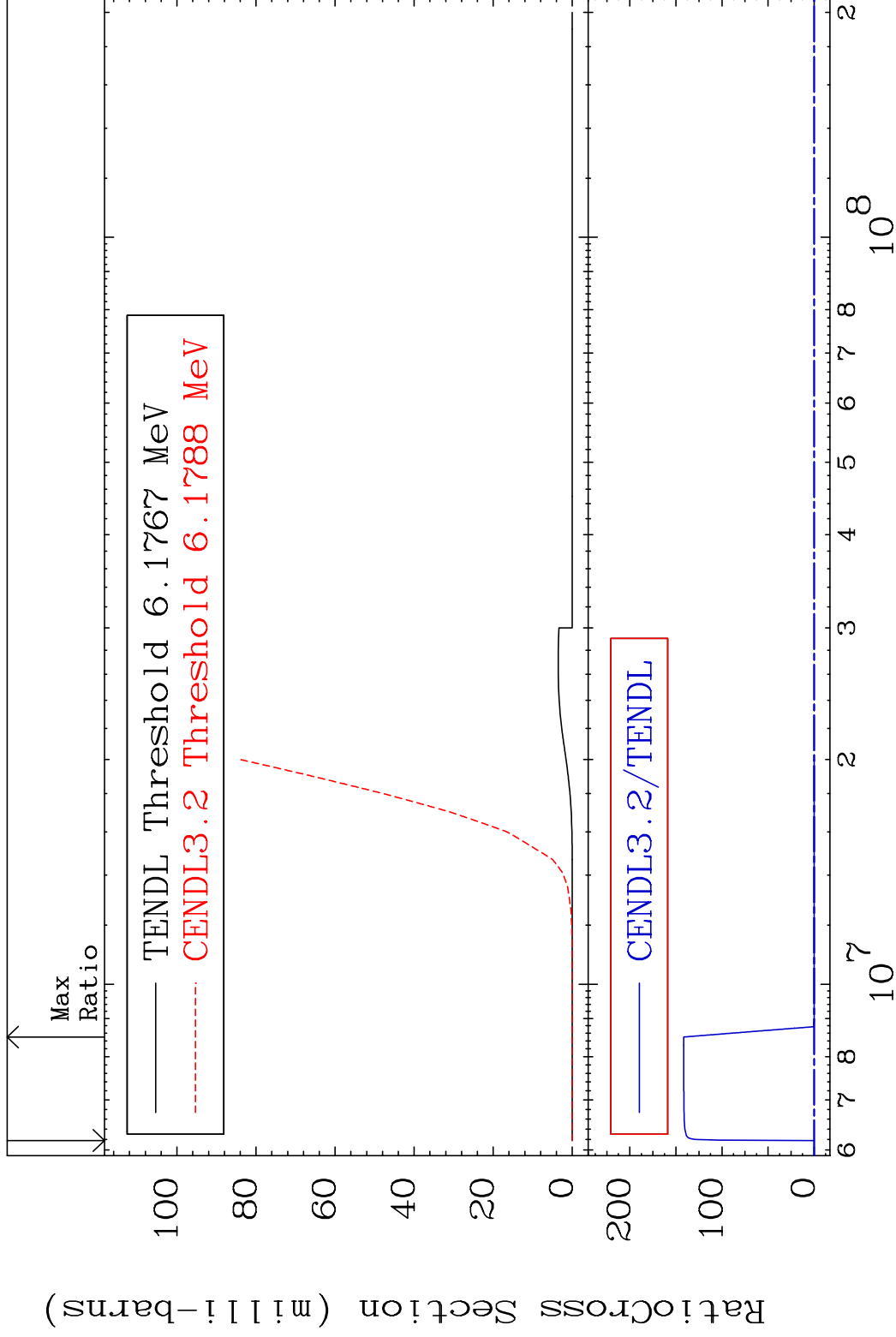


MAT 6337

(n, t)

63-Eu-155

Cross Section -100.0 To 9999. %



19

Incident Energy (eV)

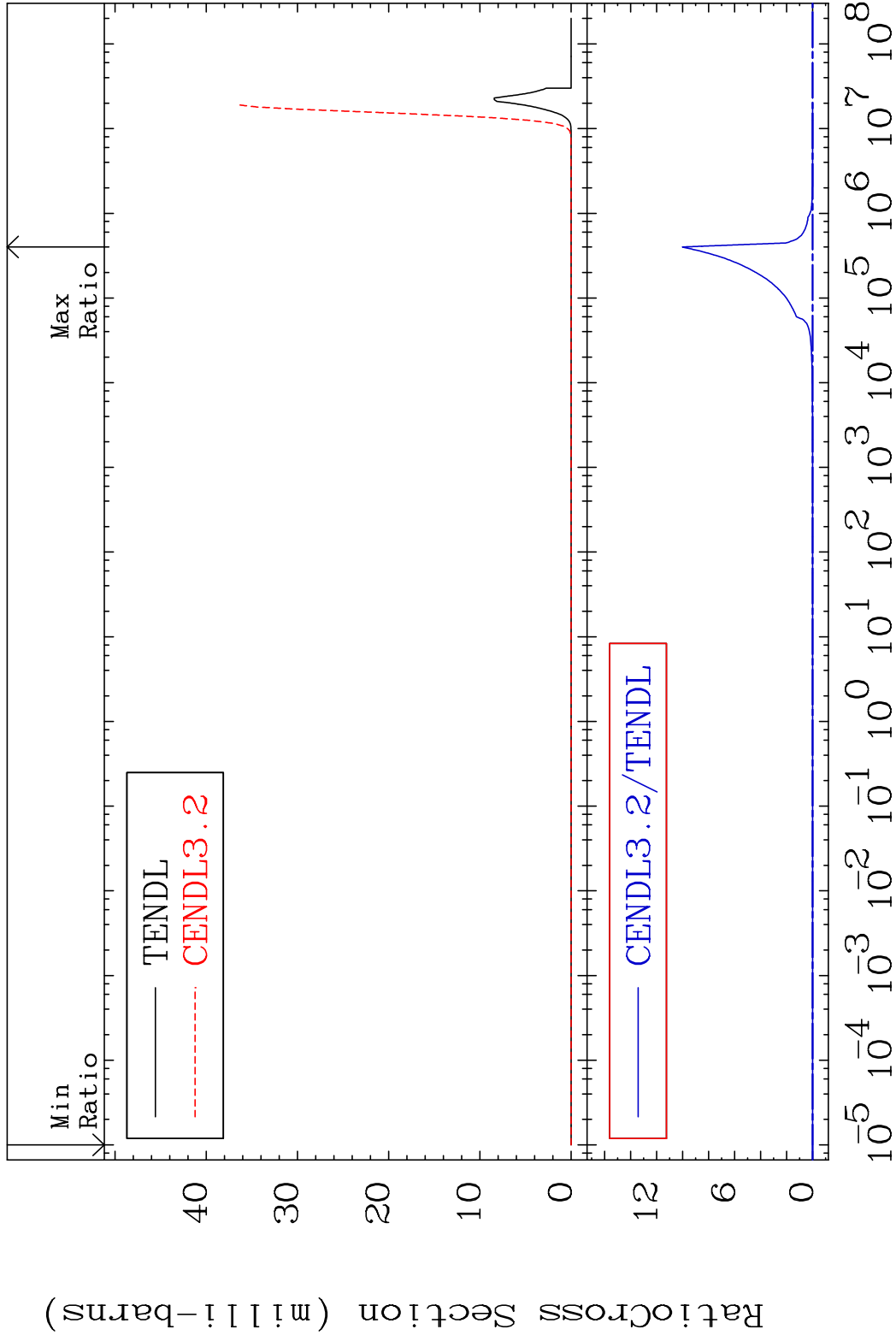
63-Eu-155

MAT 6337

(n,  $\alpha$ )

63-Eu-155

Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

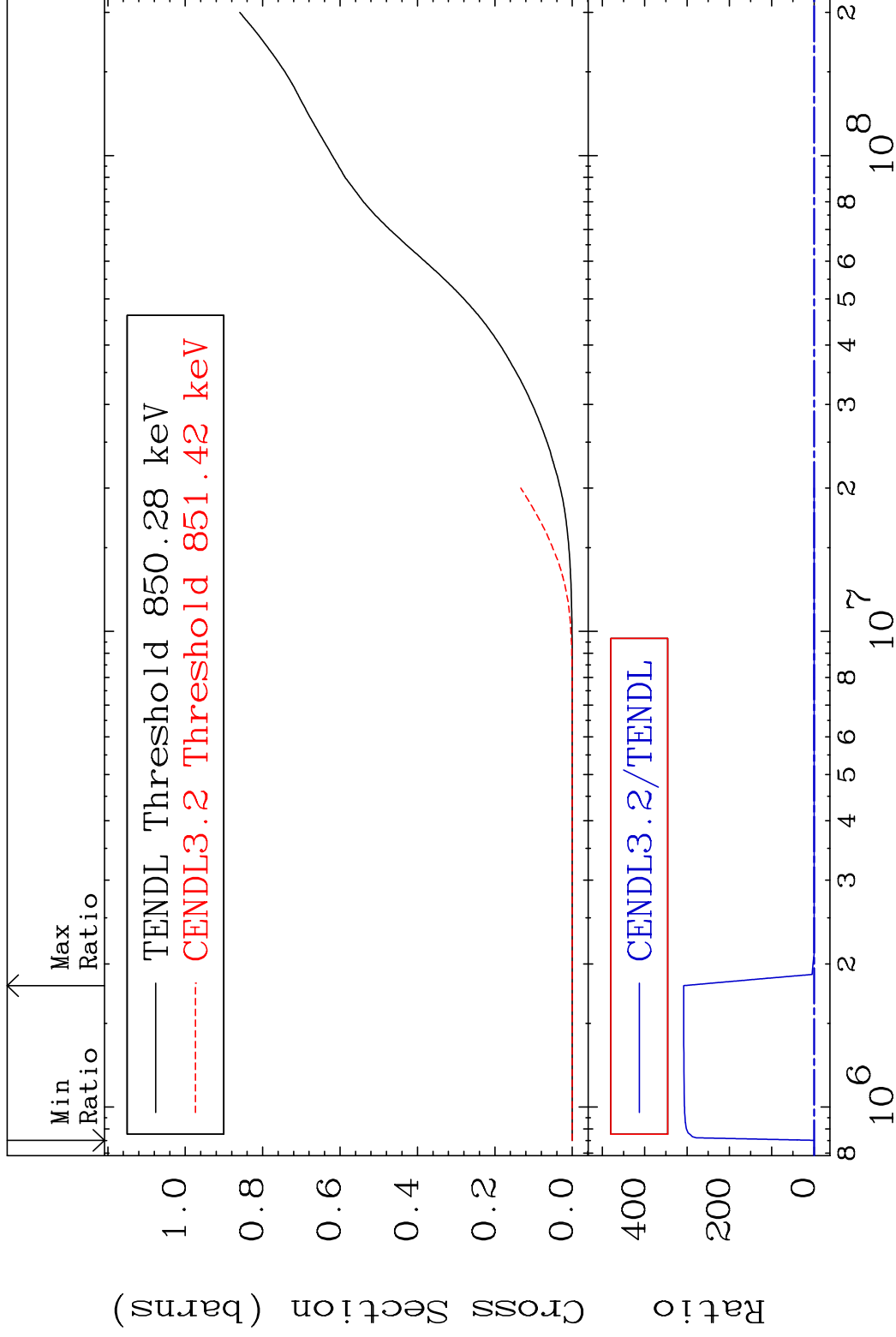
63-Eu-155

MAT 6337

Hydrogen Production

63-Eu-155

Cross Section -100.0 To 9999. %

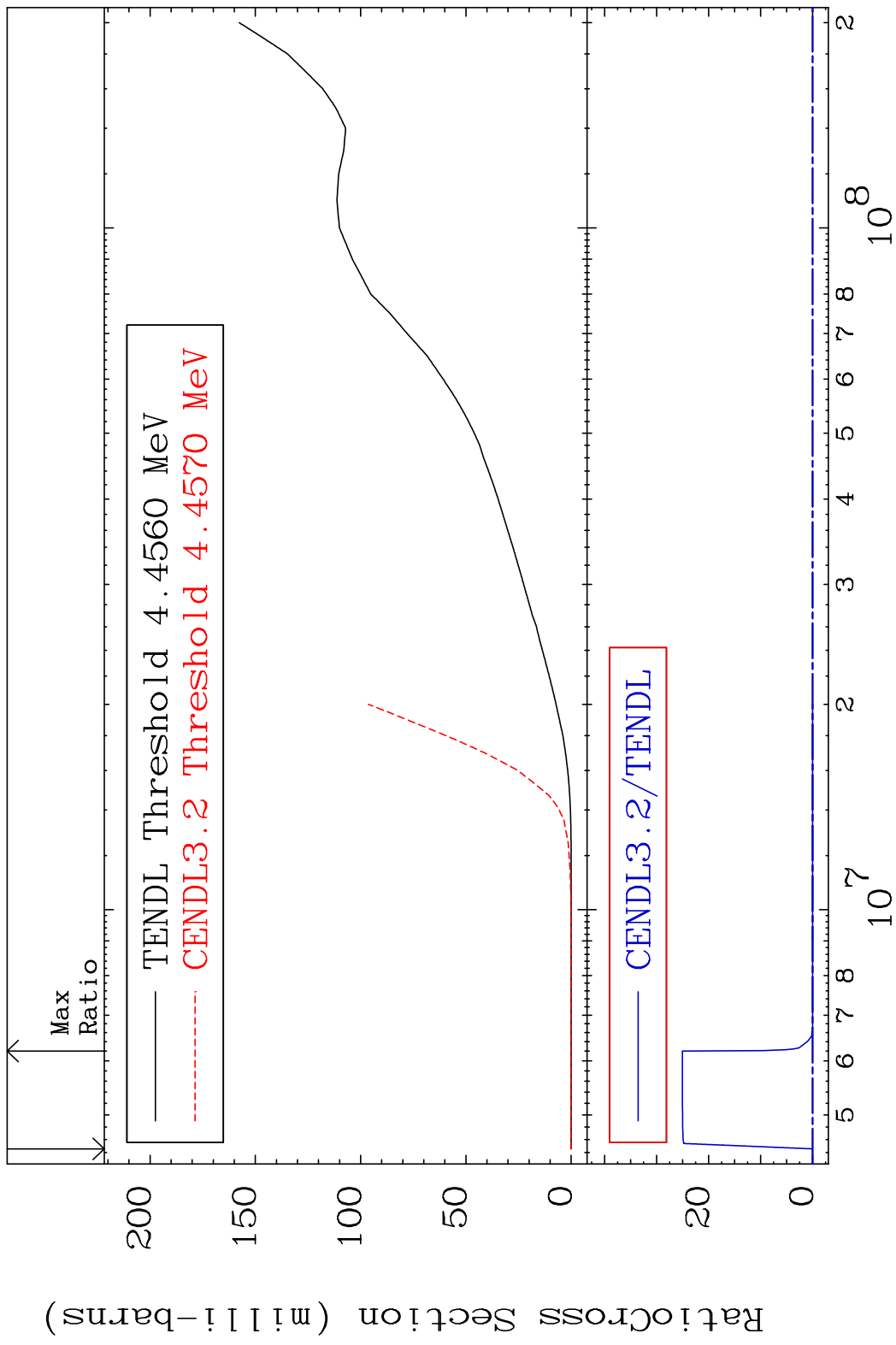


21

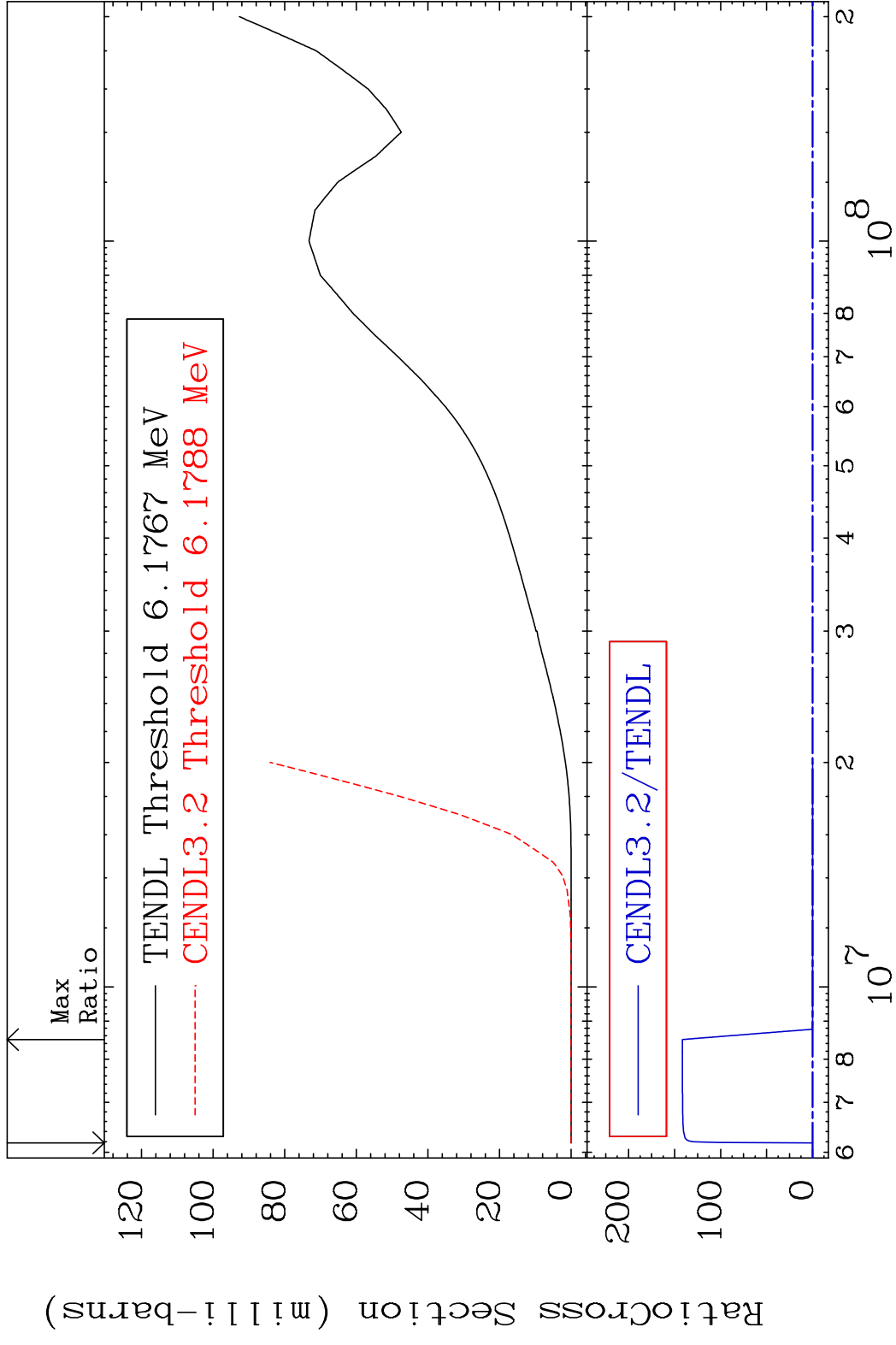
Incident Energy (eV)

63-Eu-155

MAT 6337 Deuterium Production 63-Eu-155  
 Cross Section -100.0 To 9999. %



MAT 6337 Tritium Production 63-Eu-155  
 Cross Section -100.0 To 9999. %



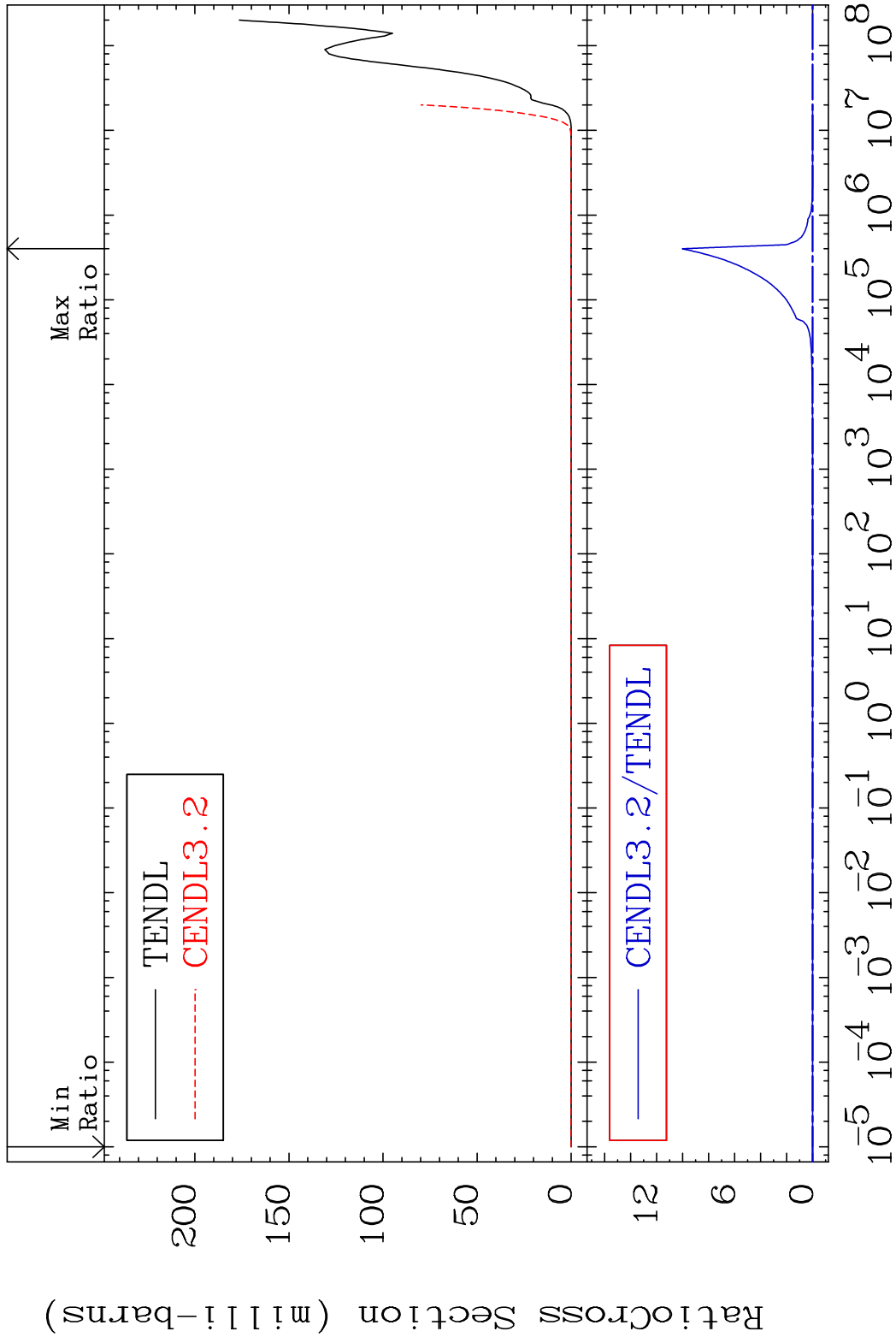


MAT 6337

He-4 Production

63-Eu-155

Cross Section -100.0 To 9999. %

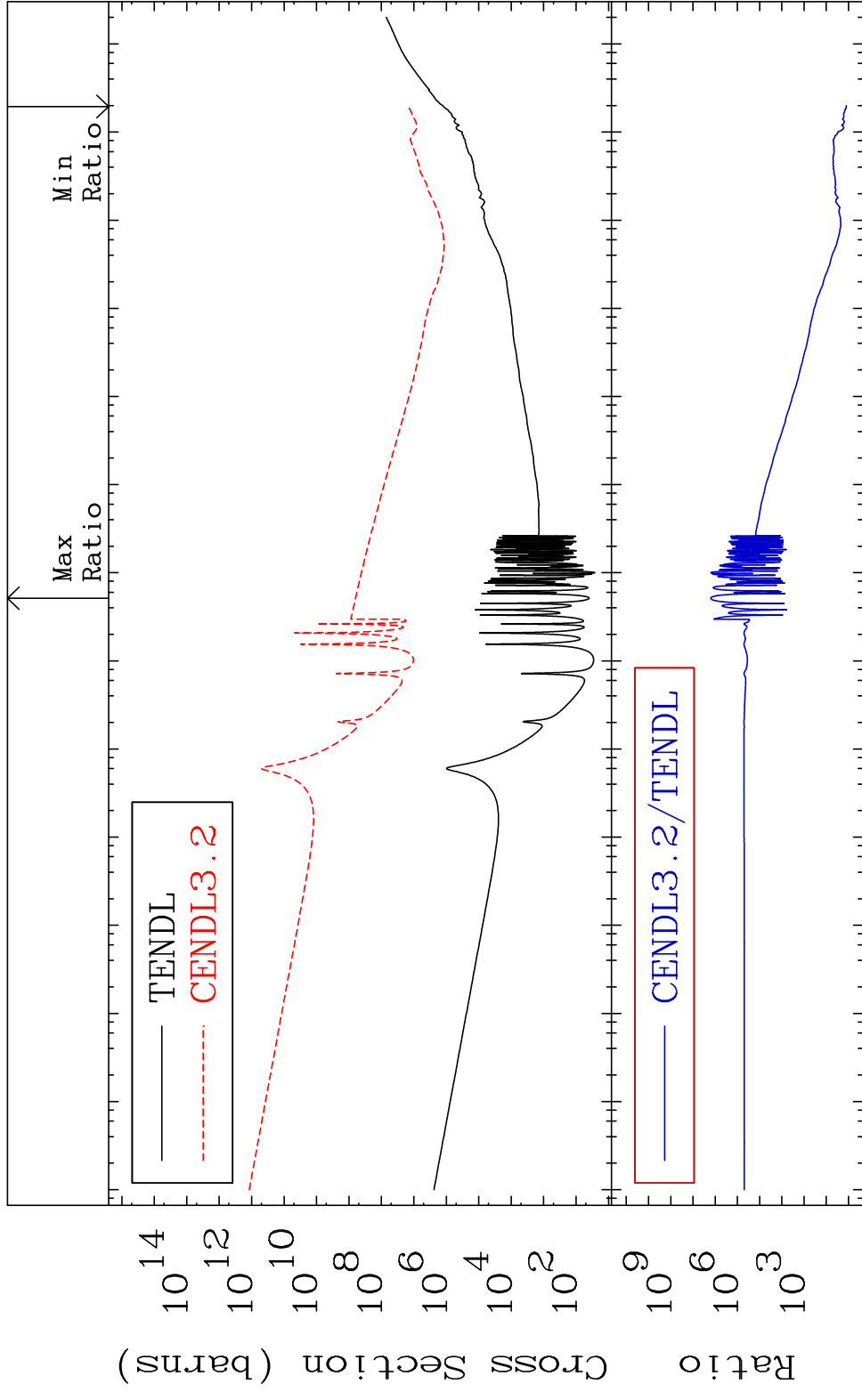


24

Incident Energy (eV)

63-Eu-155

MAT 6337 Kerma total (eV-barns) 63-Eu-155  
 Cross Section 1148. To 9999. %



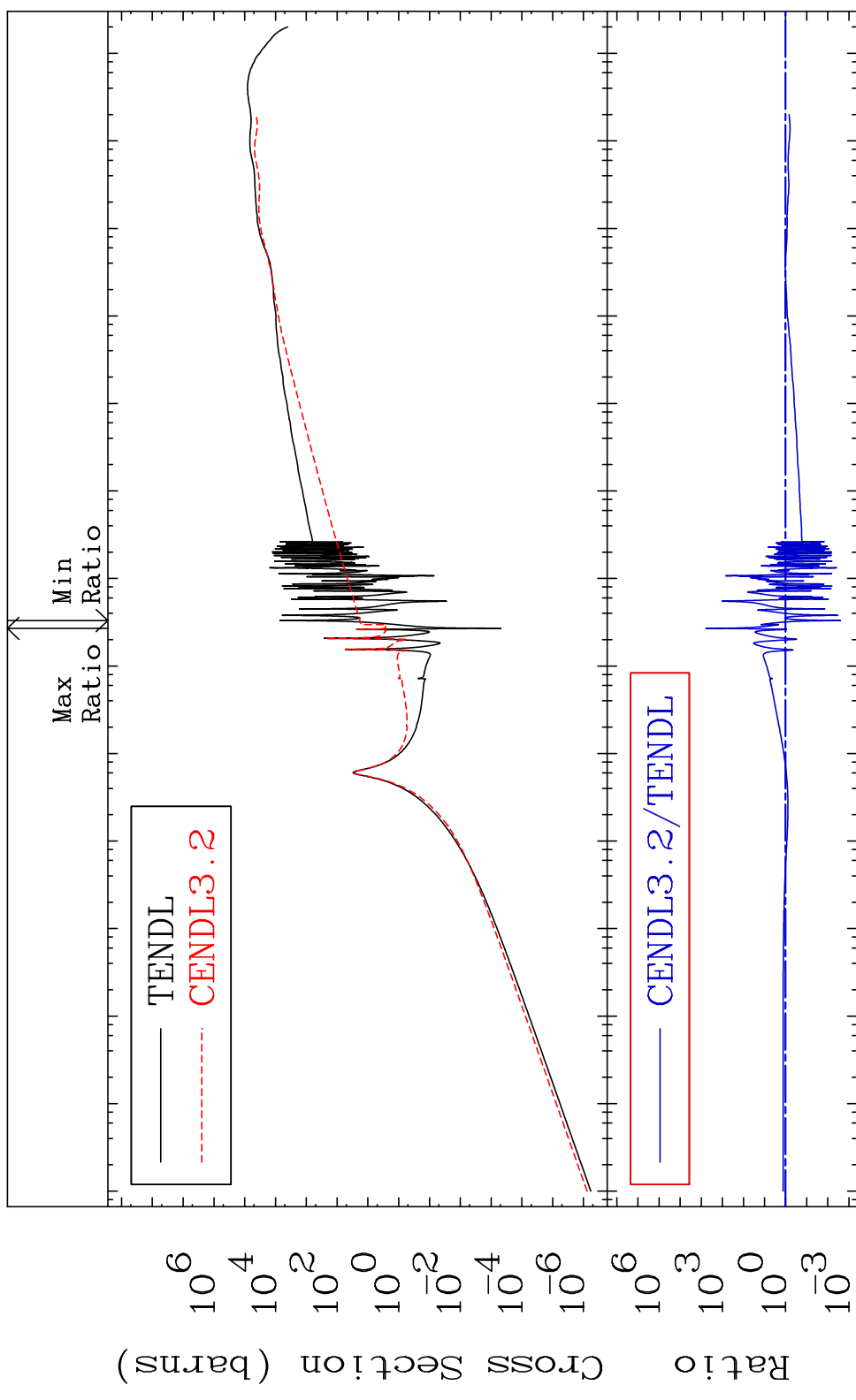
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

25 Incident Energy (eV) 63-Eu-155

MAT 6337

Kerma elastic  
Cross Section -99.75 To 9999. %

63-Eu-155



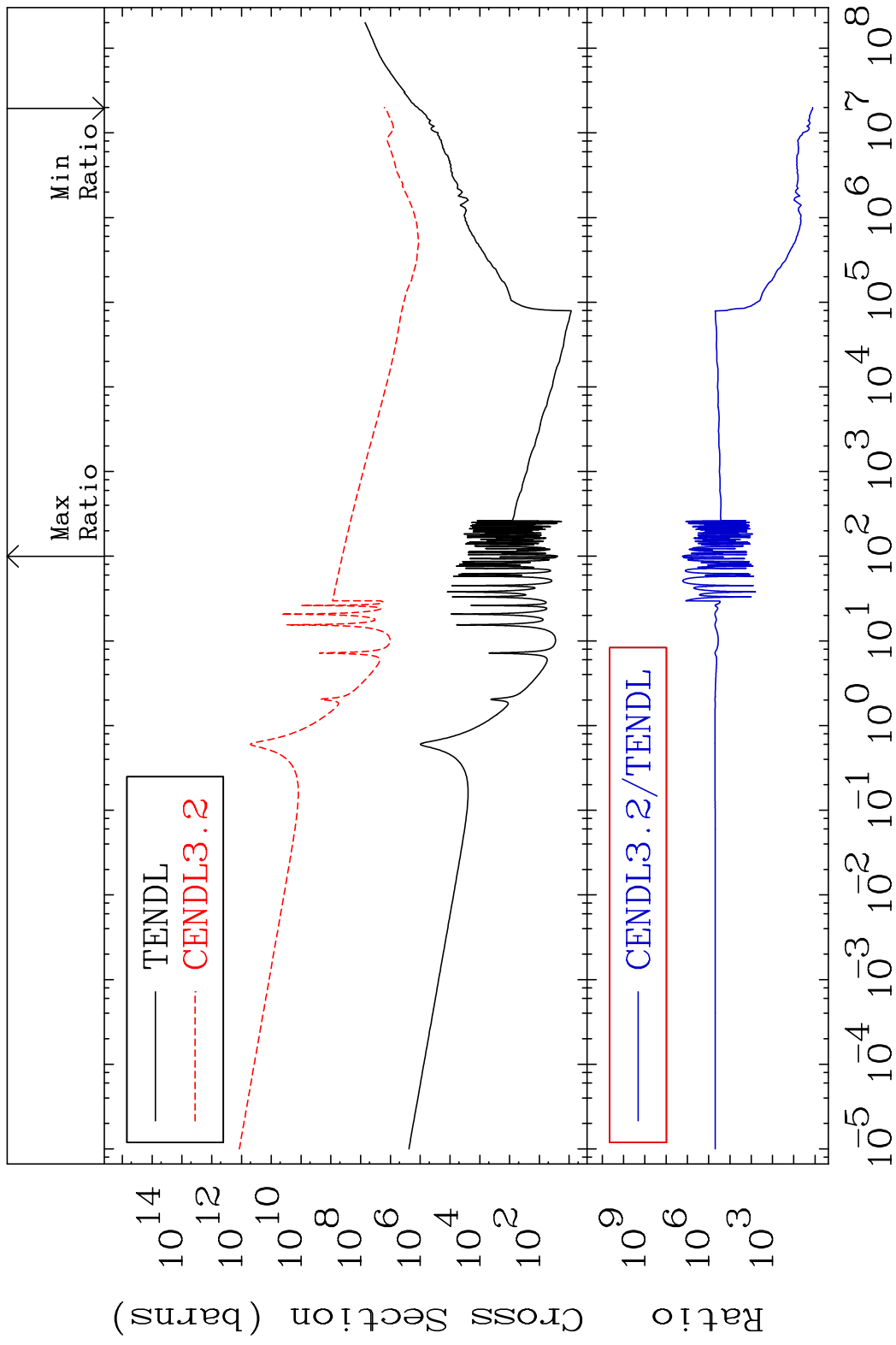
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

26

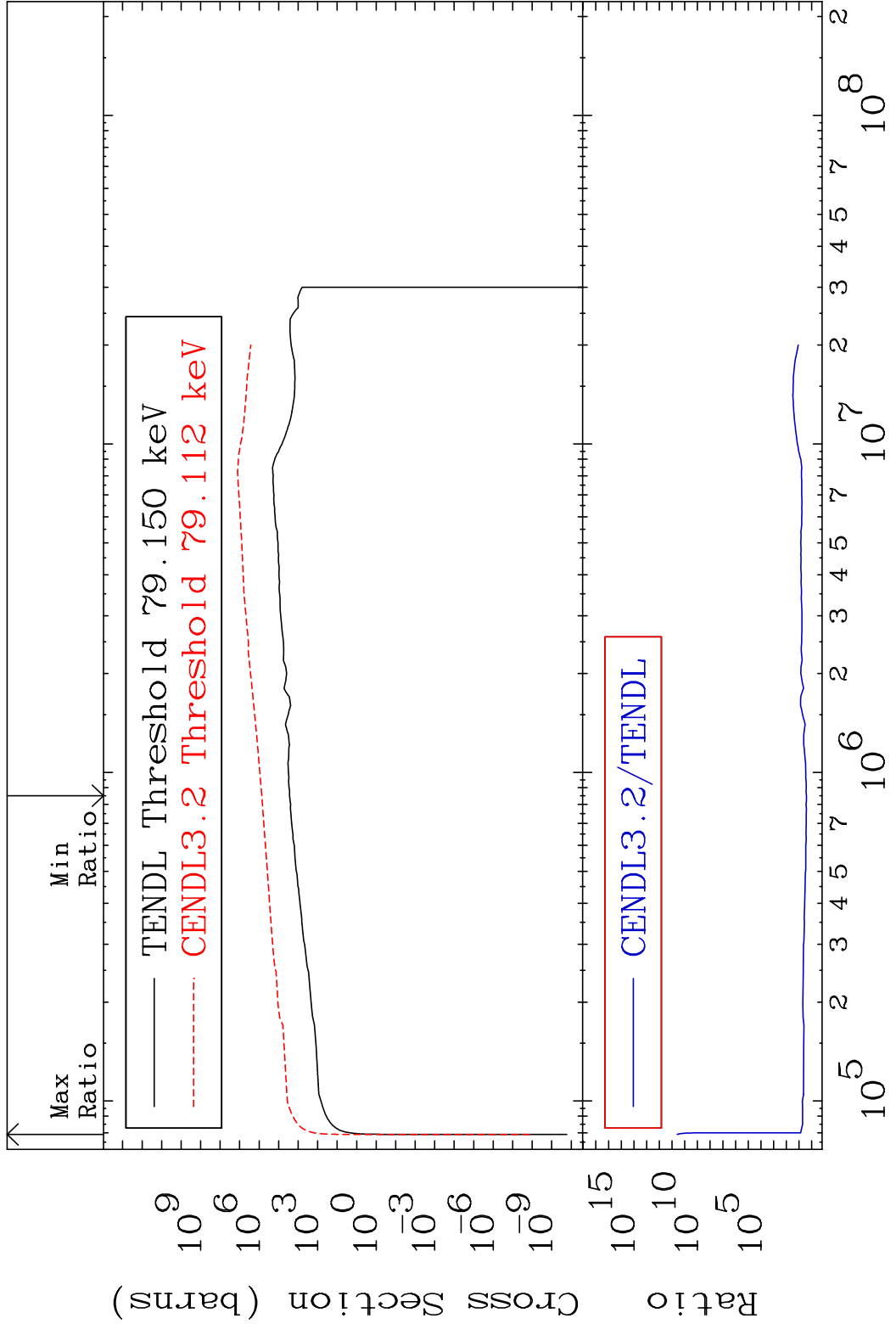
Incident Energy (eV)

63-Eu-155

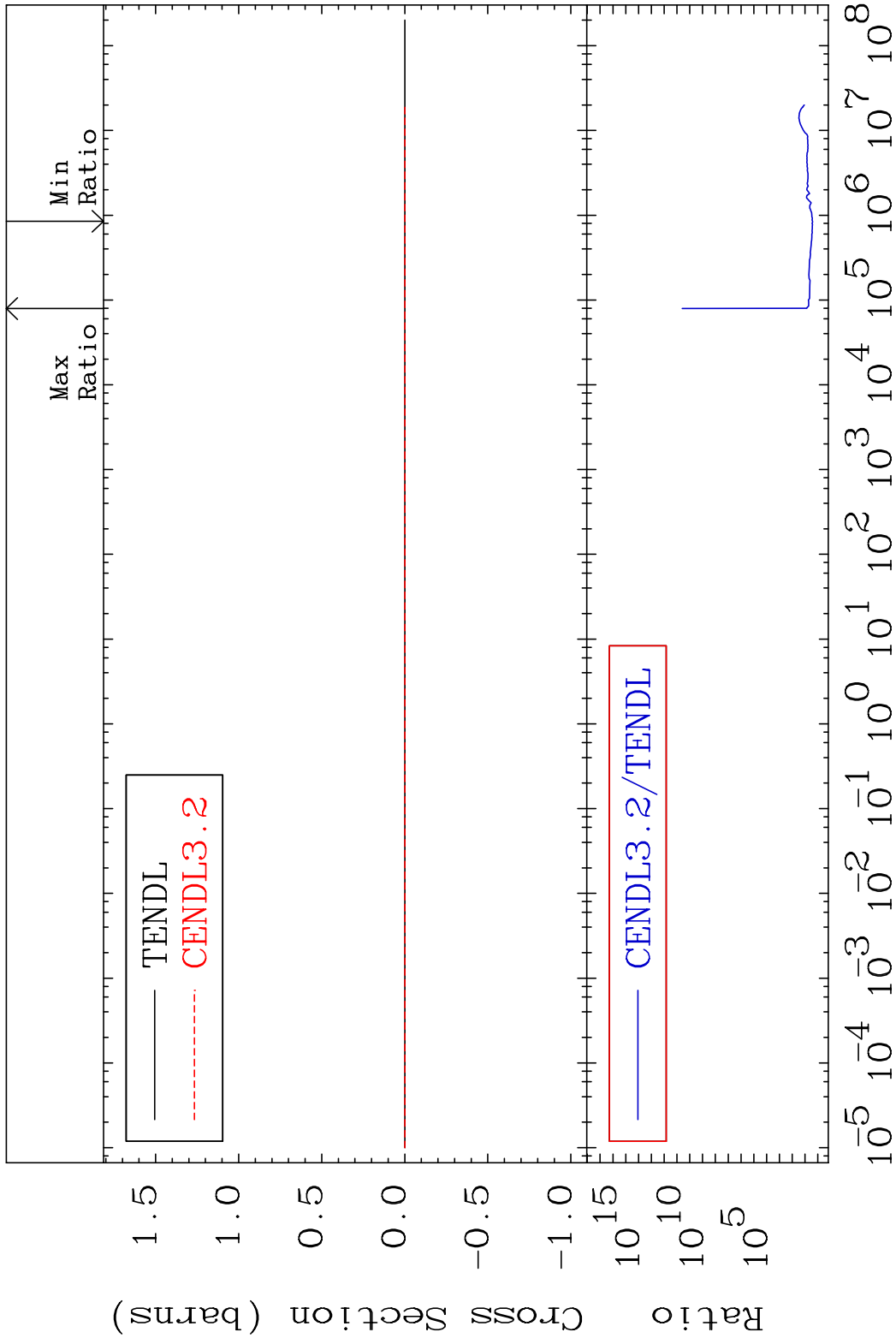
MAT 6337 Kerma non-elastic (all but mt2) 63-Eu-155  
 Cross Section 1212. To 9999. %



MAT 6337 Kerma inelastic (mt51-91) 63-Eu-155  
 Cross Section 2537. To 9999. %

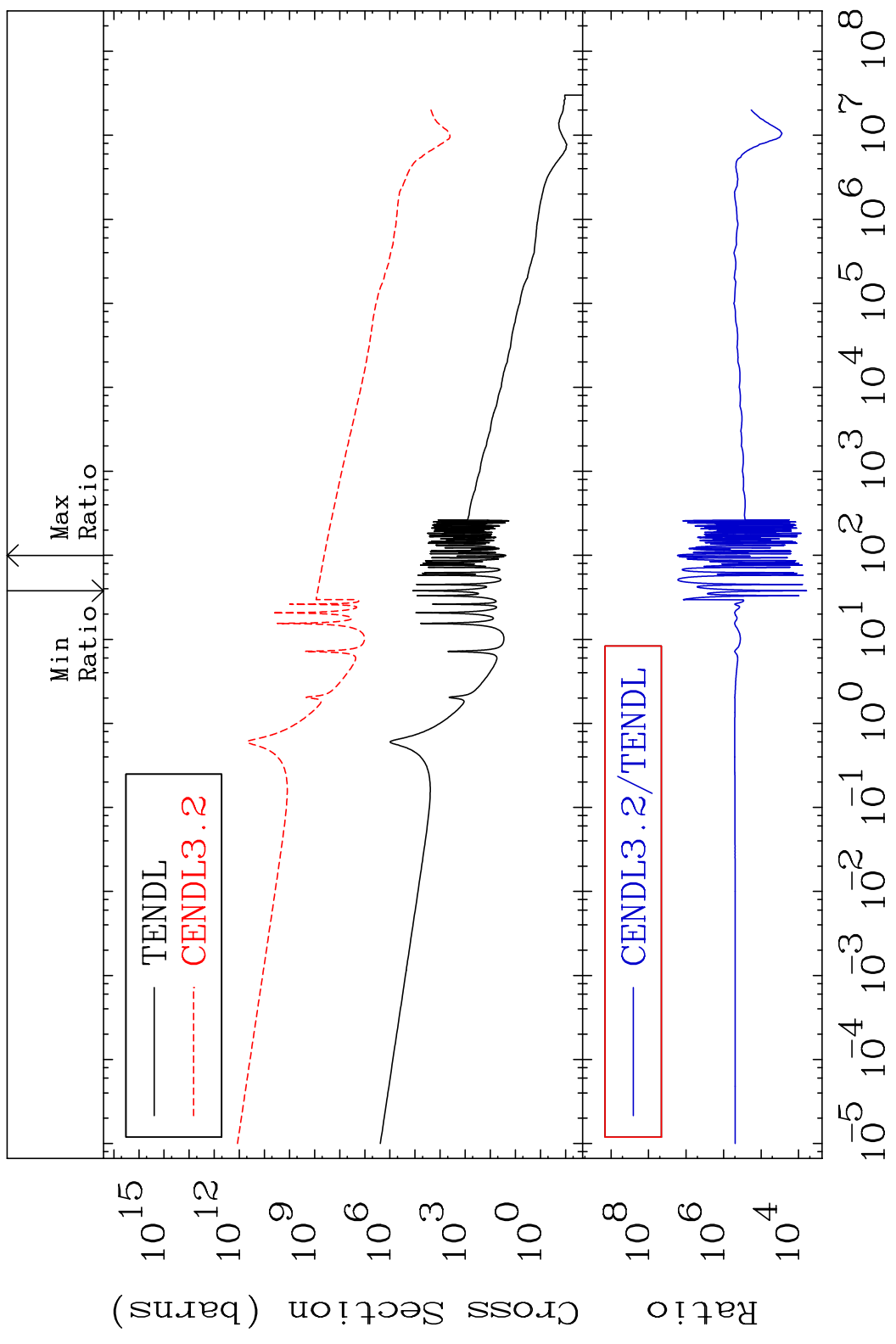


MAT 6337 Kerma fission (mt18 or mt19-20-21-38) 63-Eu-155  
 Cross Section 2537. To 9999. %



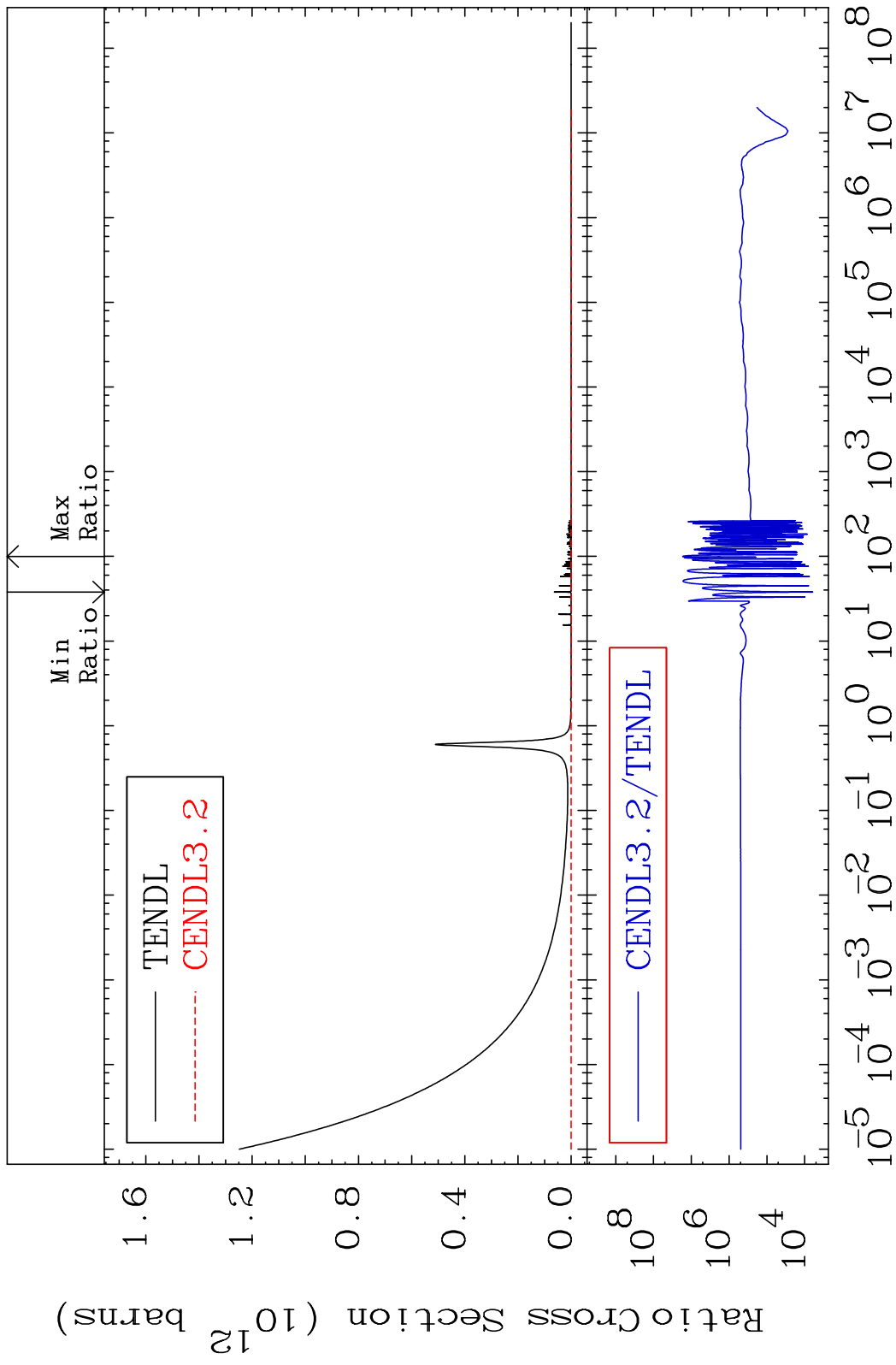
MAT 6337

Kerma capture (mt102) 63-Eu-155  
Cross Section 9999. To 9999. %



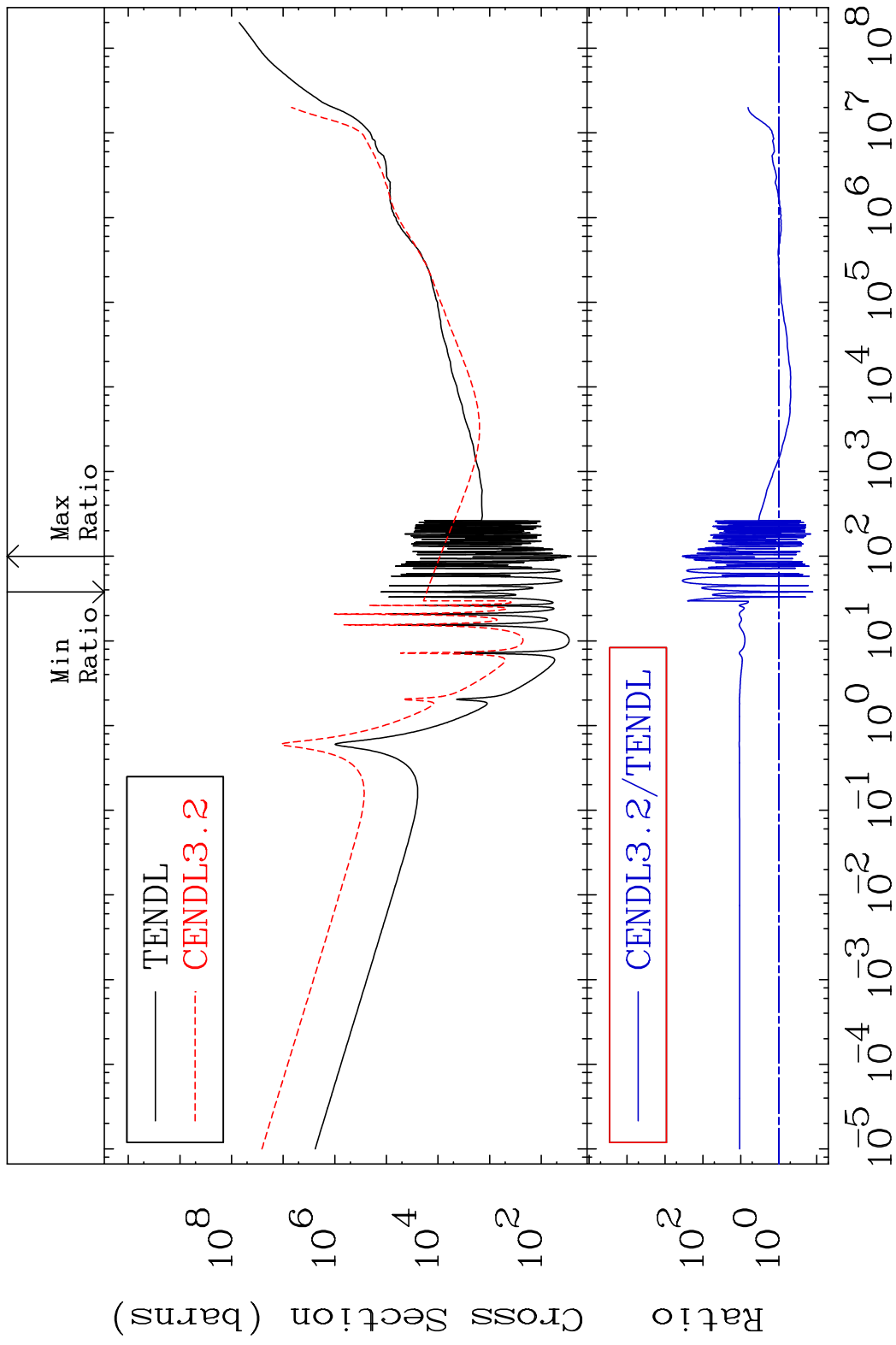
30

Incident Energy (eV) 63-Eu-155

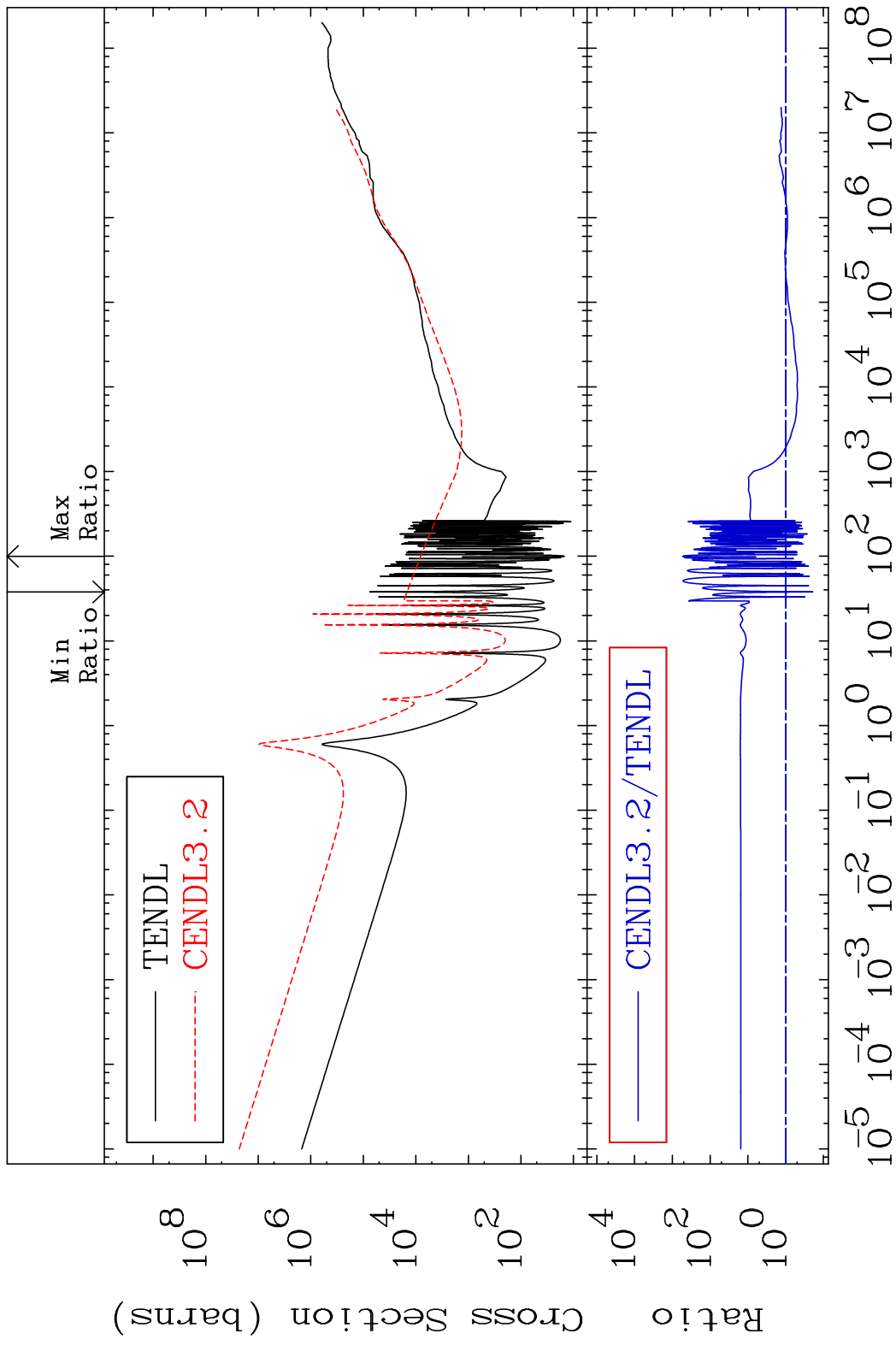




MAT 6337 Total kinematic kerma (high limit) 63-Eu-155  
 Cross Section -87.11 To 9999. %



MAT 6337      Dpa total (eV-barns)      63-Eu-155  
 Cross Section      -80.59 To 9999. %



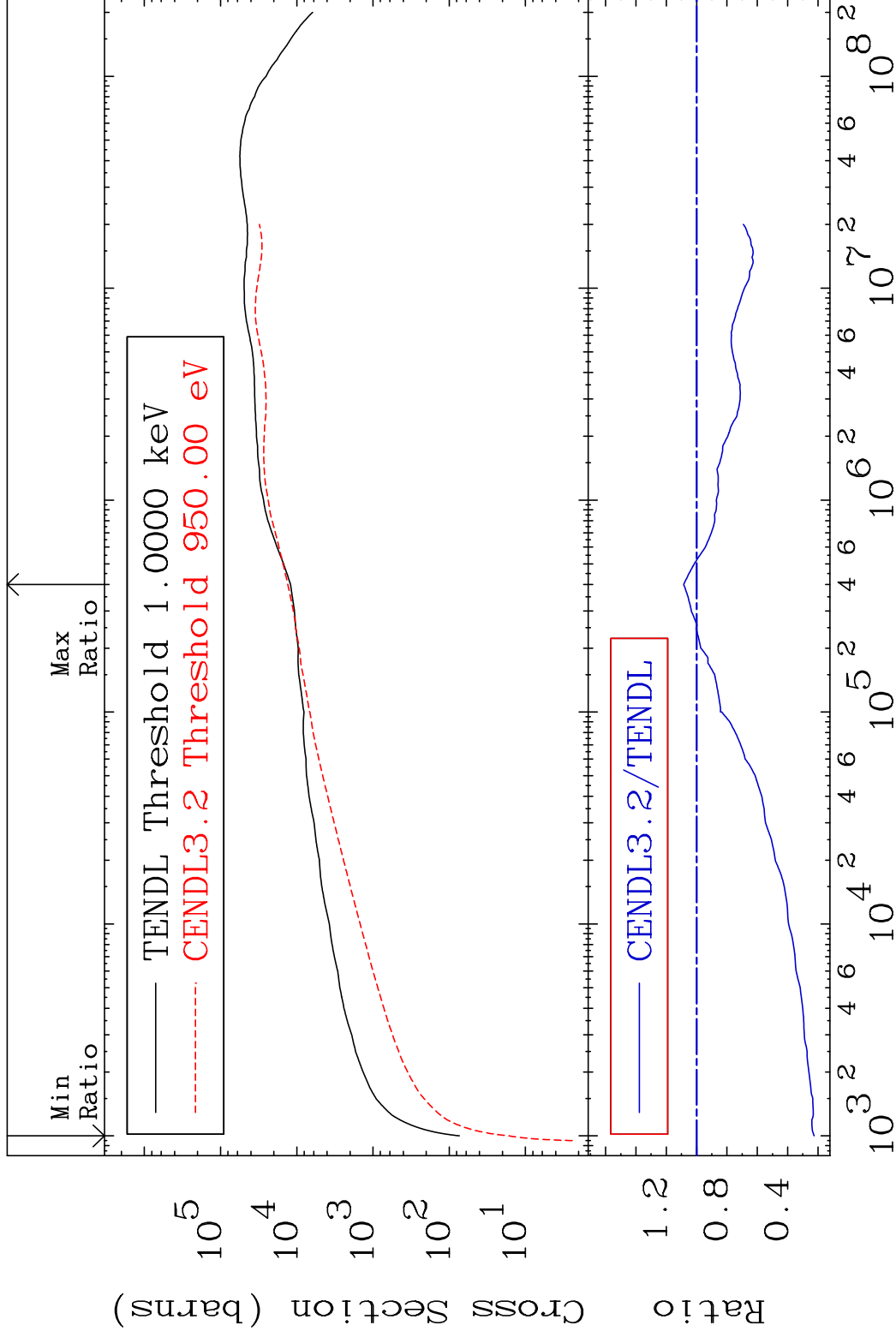
33      Incident Energy (eV)      63-Eu-155

MAT 6337

Dpa elastic (mt2)

63-Eu-155

Cross Section -77.45 To 8.546 %

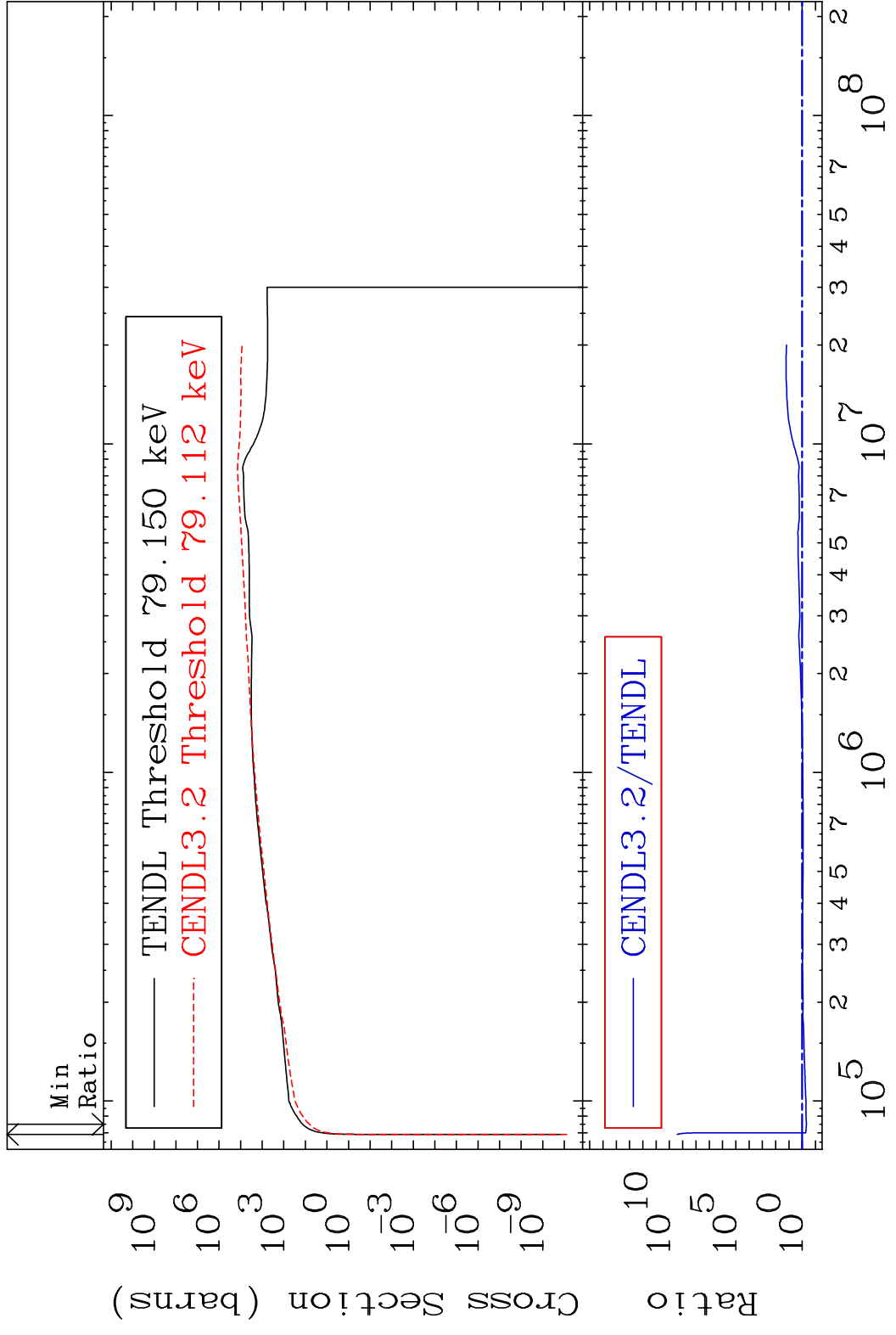


34

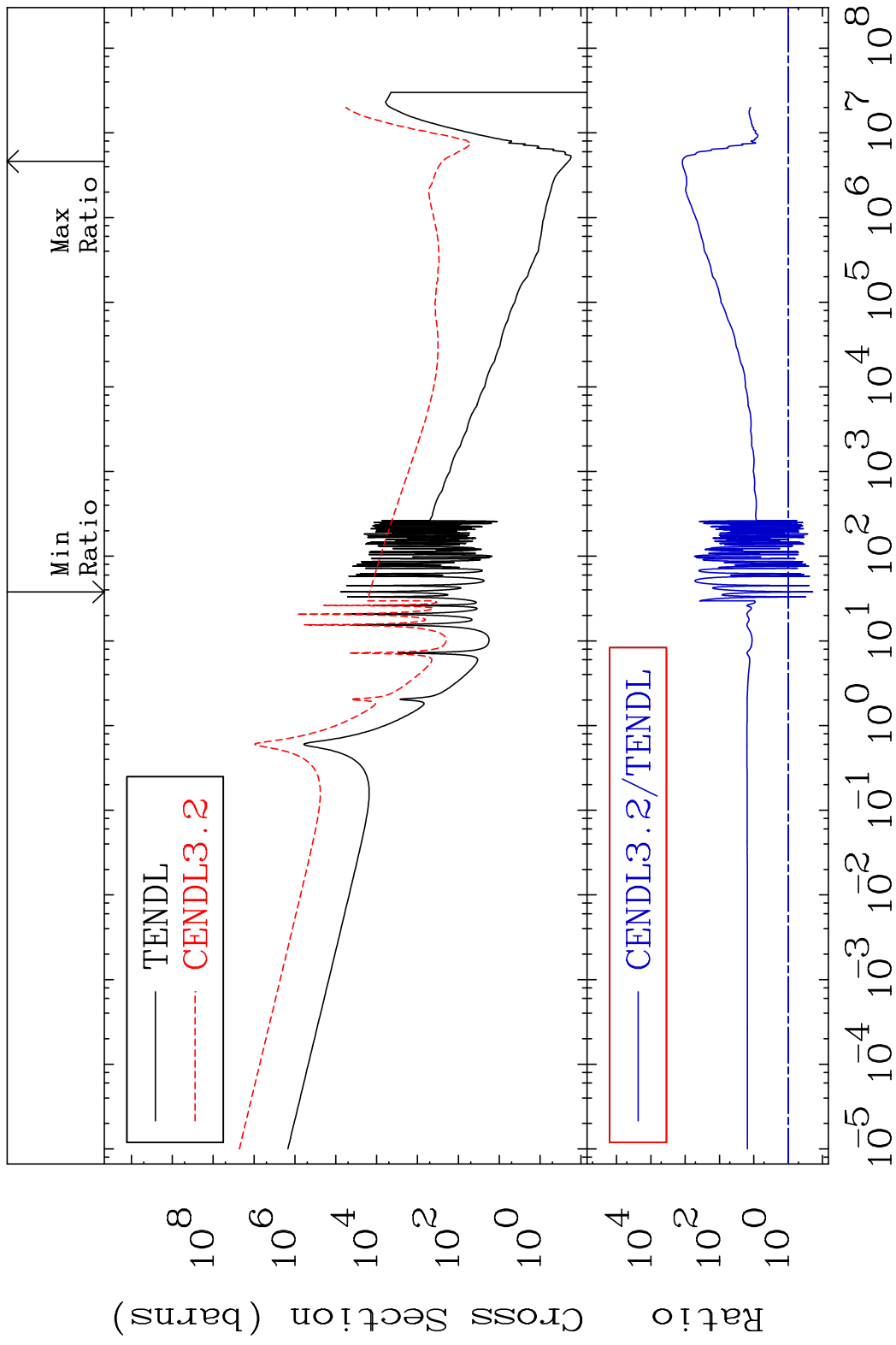
Incident Energy (eV)

63-Eu-155

MAT 6337 Dpa inelastic (mt51-91) 63-Eu-155  
 Cross Section -51.32 To 9999. %



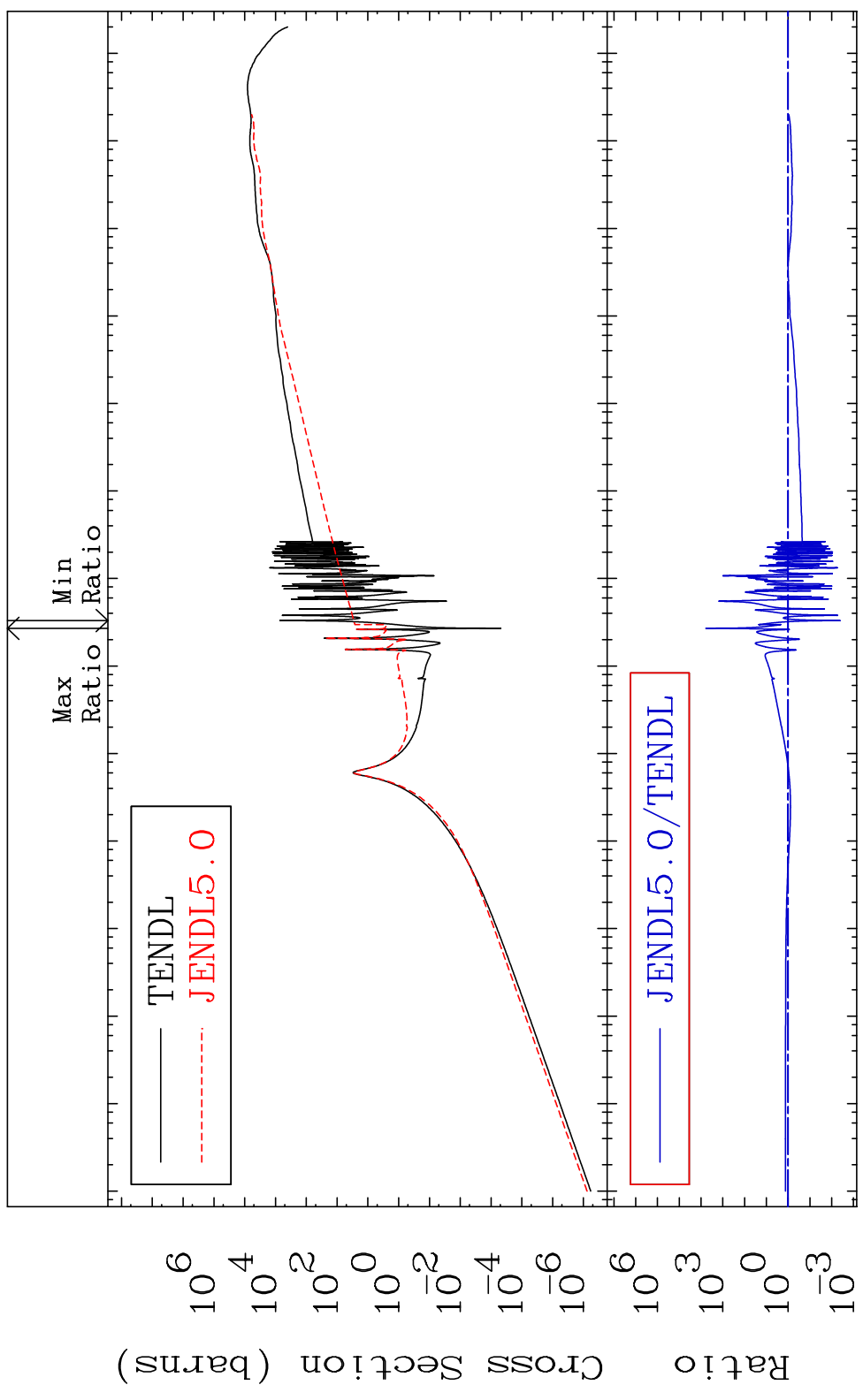
MAT 6337 Dpa disappearance (mt102 -120) 63-Eu-155  
 Cross Section -80.59 To 9999. %



MAT 6337

Kerma elastic  
Cross Section -99.60 To 9999. %

63-Eu-155

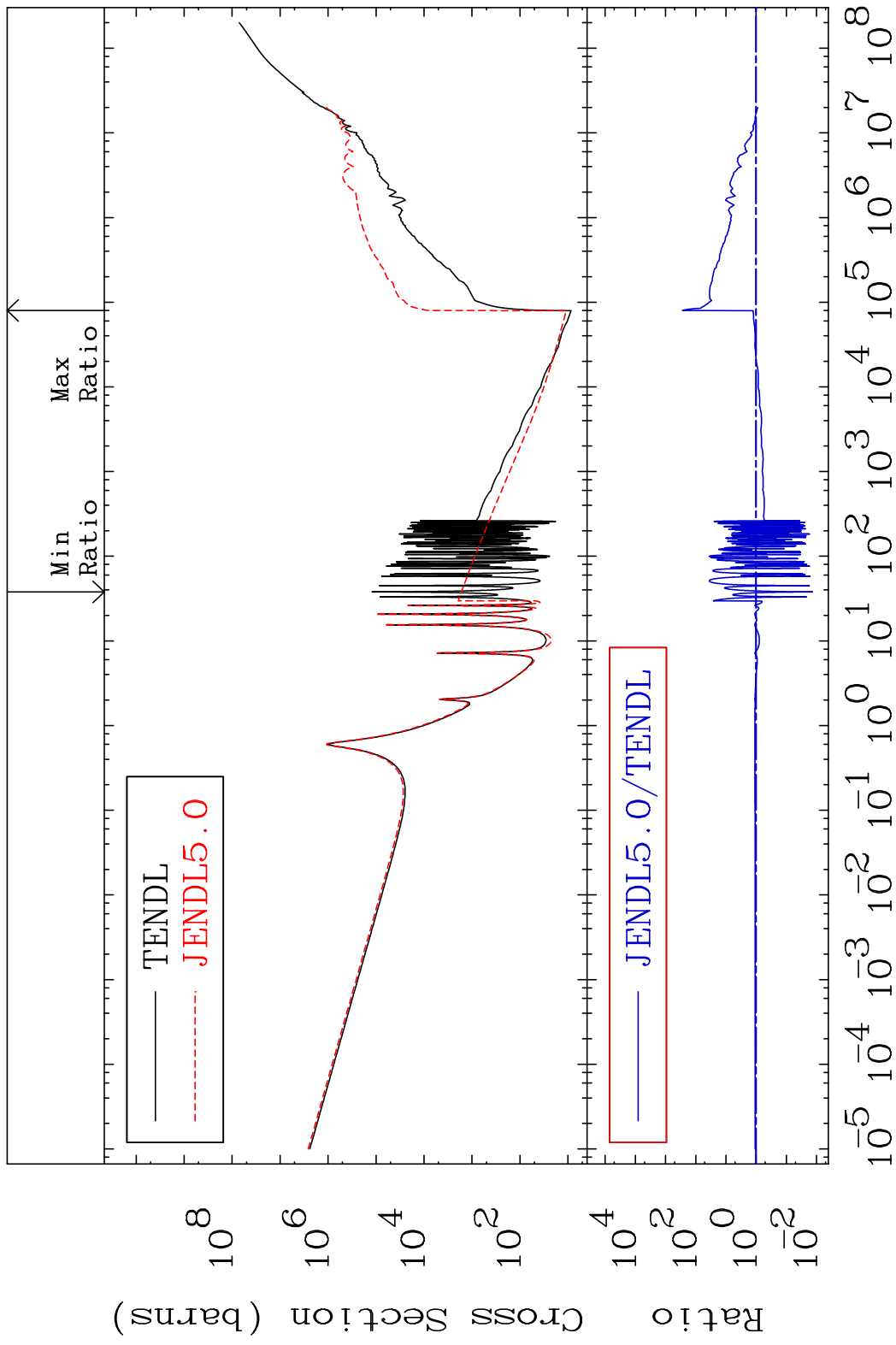


37

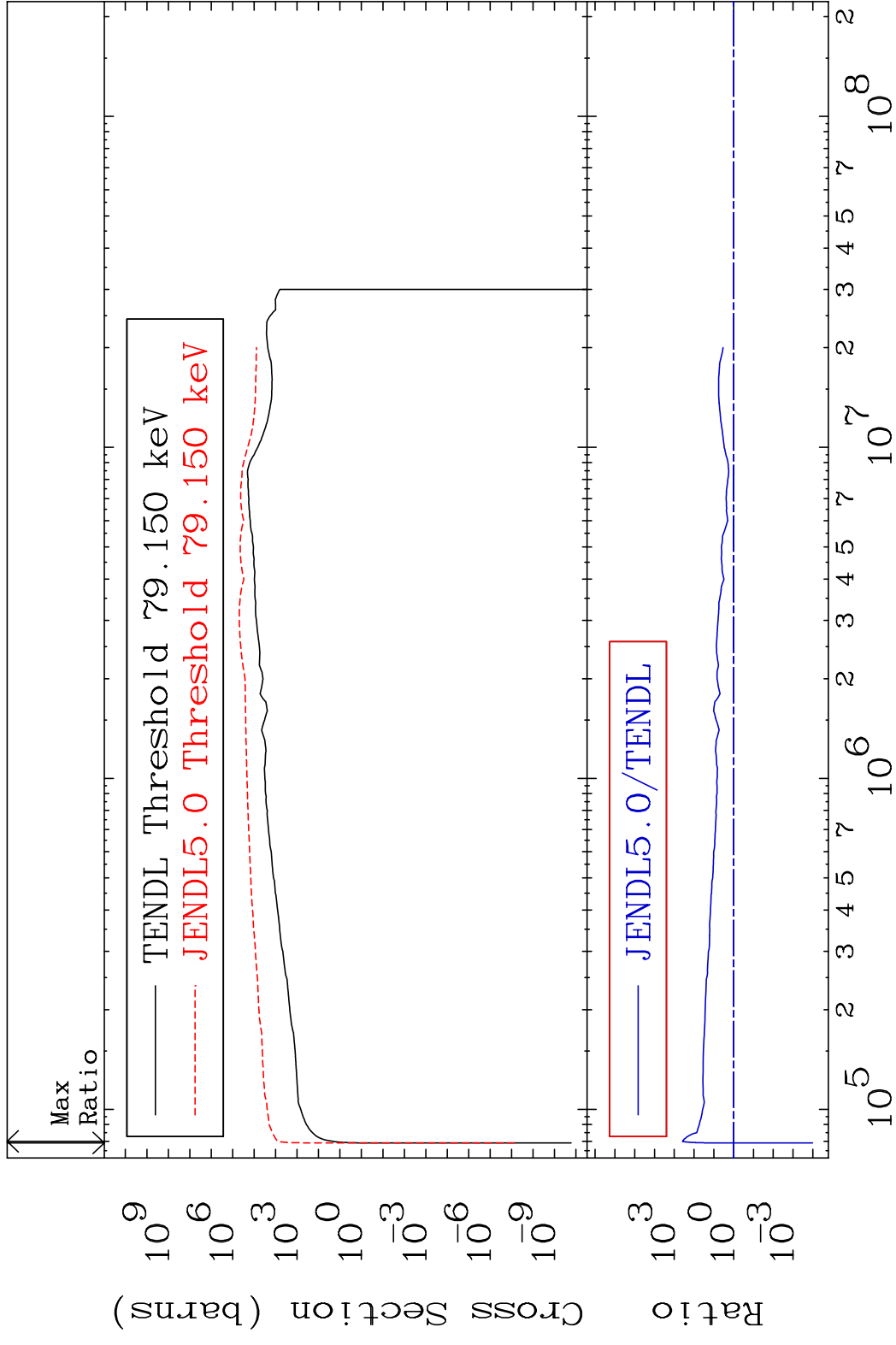
Incident Energy (eV)

63-Eu-155

MAT 6337 Kerma non-elastic (all but mt2) 63-Eu-155  
 Cross Section -98.64 To 9999. %

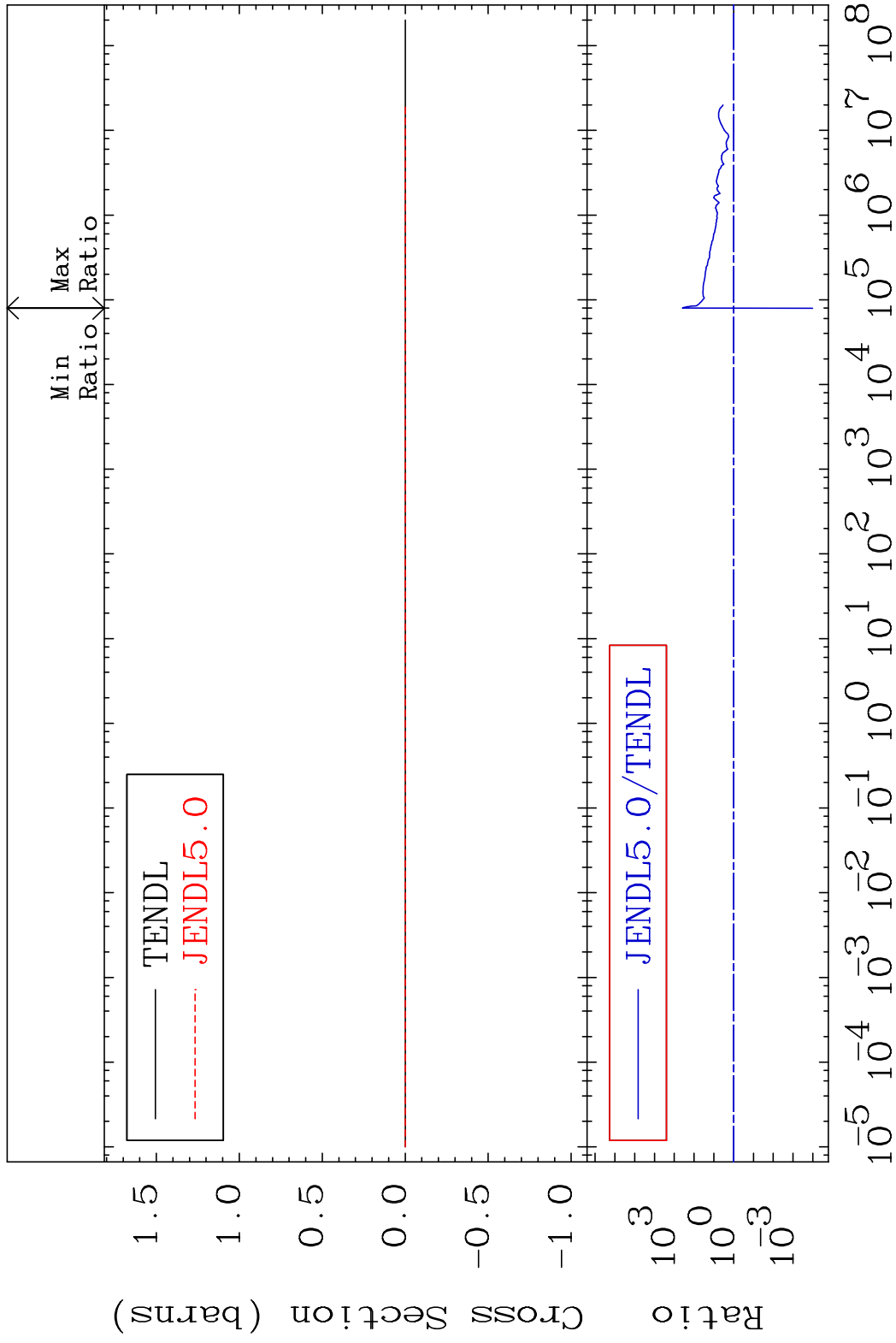


MAT 6337 Kerma inelastic (mt51-91) 63-Eu-155  
 Cross Section -99.99 To 9999. %



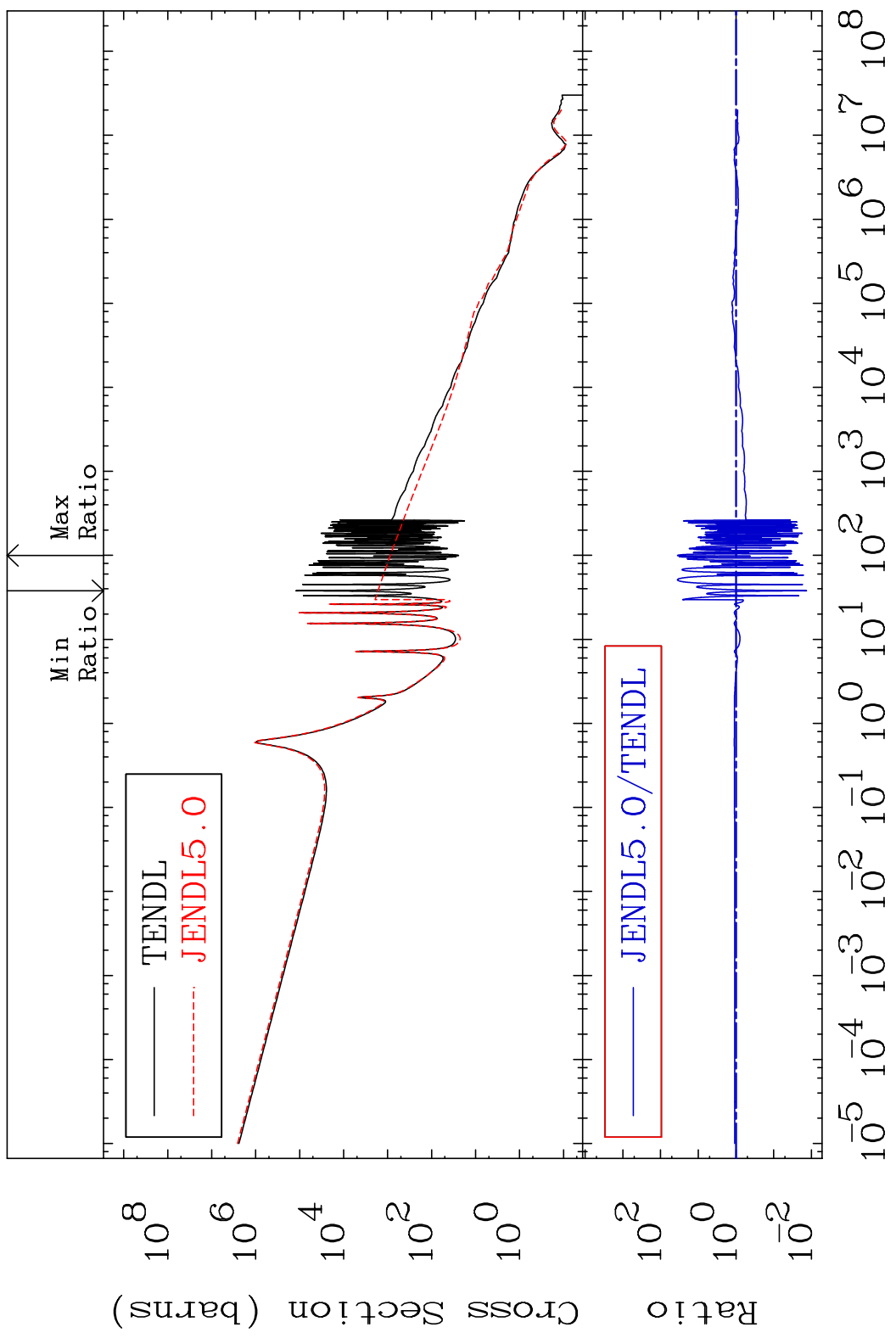


MAT 6337 Kerma fission (mt18 or mt19-20-21-38) 63-Eu-155  
 Cross Section -99.99 To 9999. %

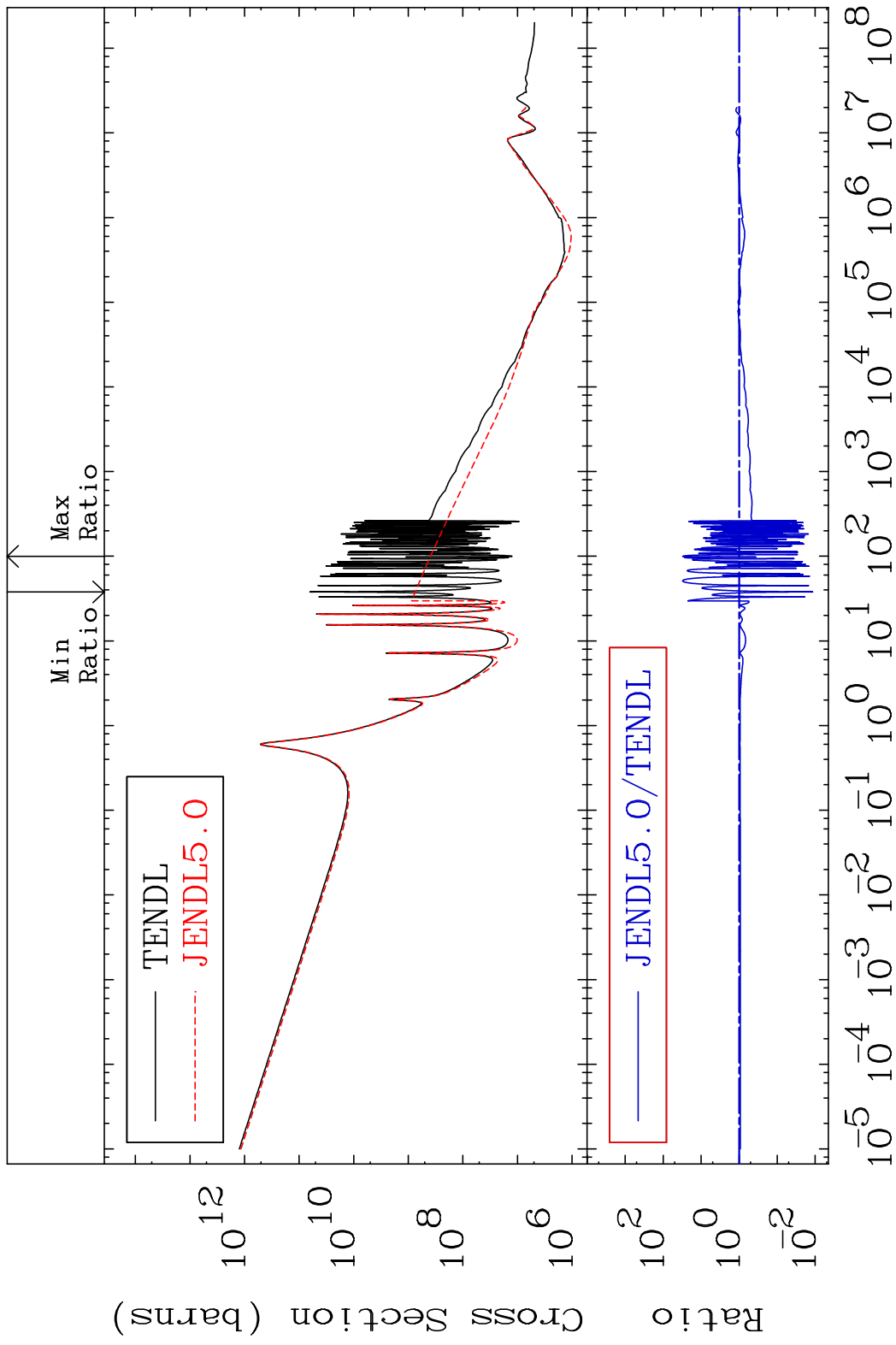


MAT 6337

Kerma capture (mt102) 63-Eu-155  
Cross Section -98.64 To 3520. %

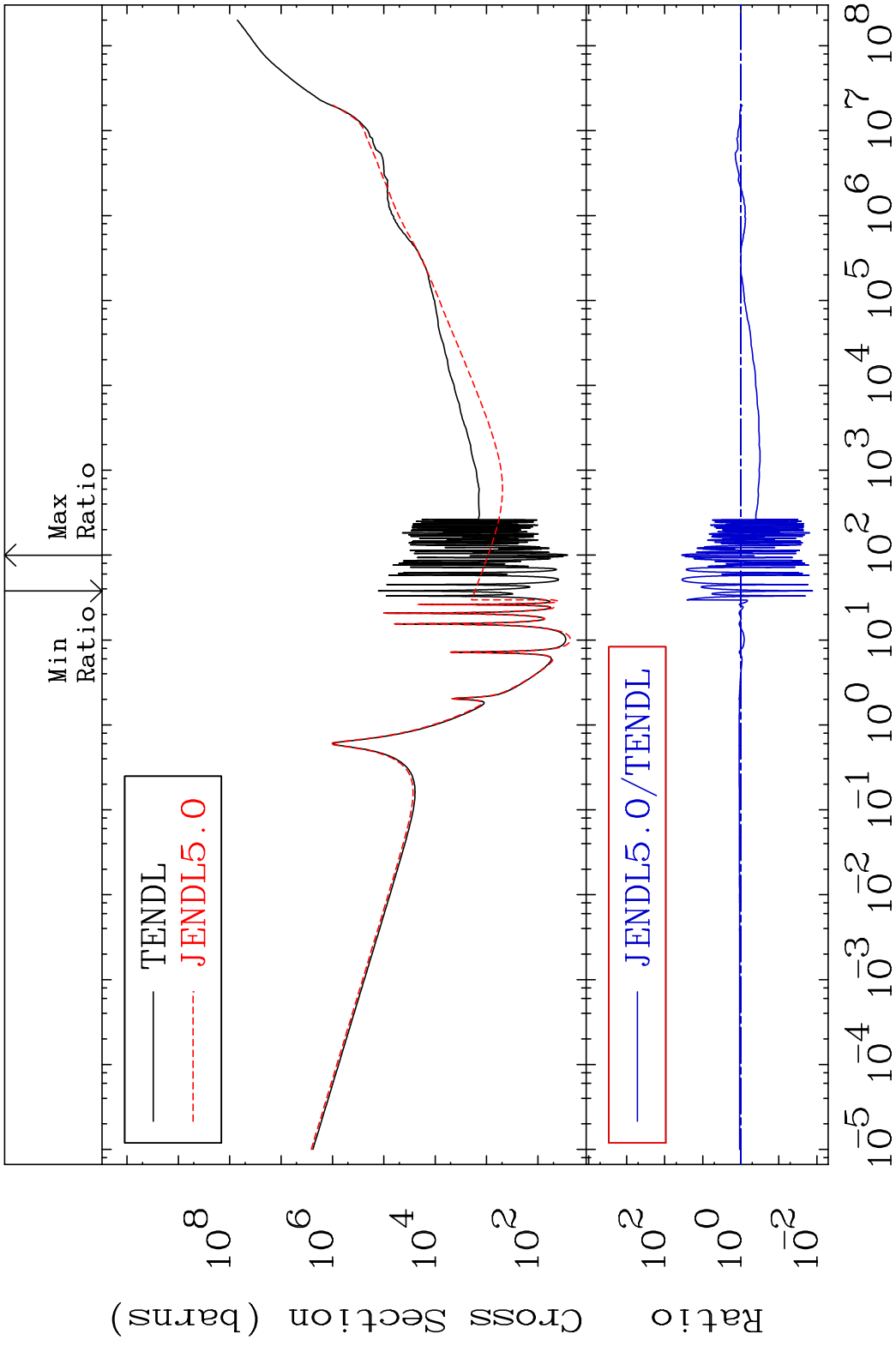


MAT 6337 Total photon (eV-barns) 63-Eu-155  
Cross Section -98.83 To 3032. %



42 Incident Energy (eV) 63-Eu-155

MAT 6337 Total kinematic kerma (high limit) 63-Eu-155  
Cross Section -98.68 To 3471. %

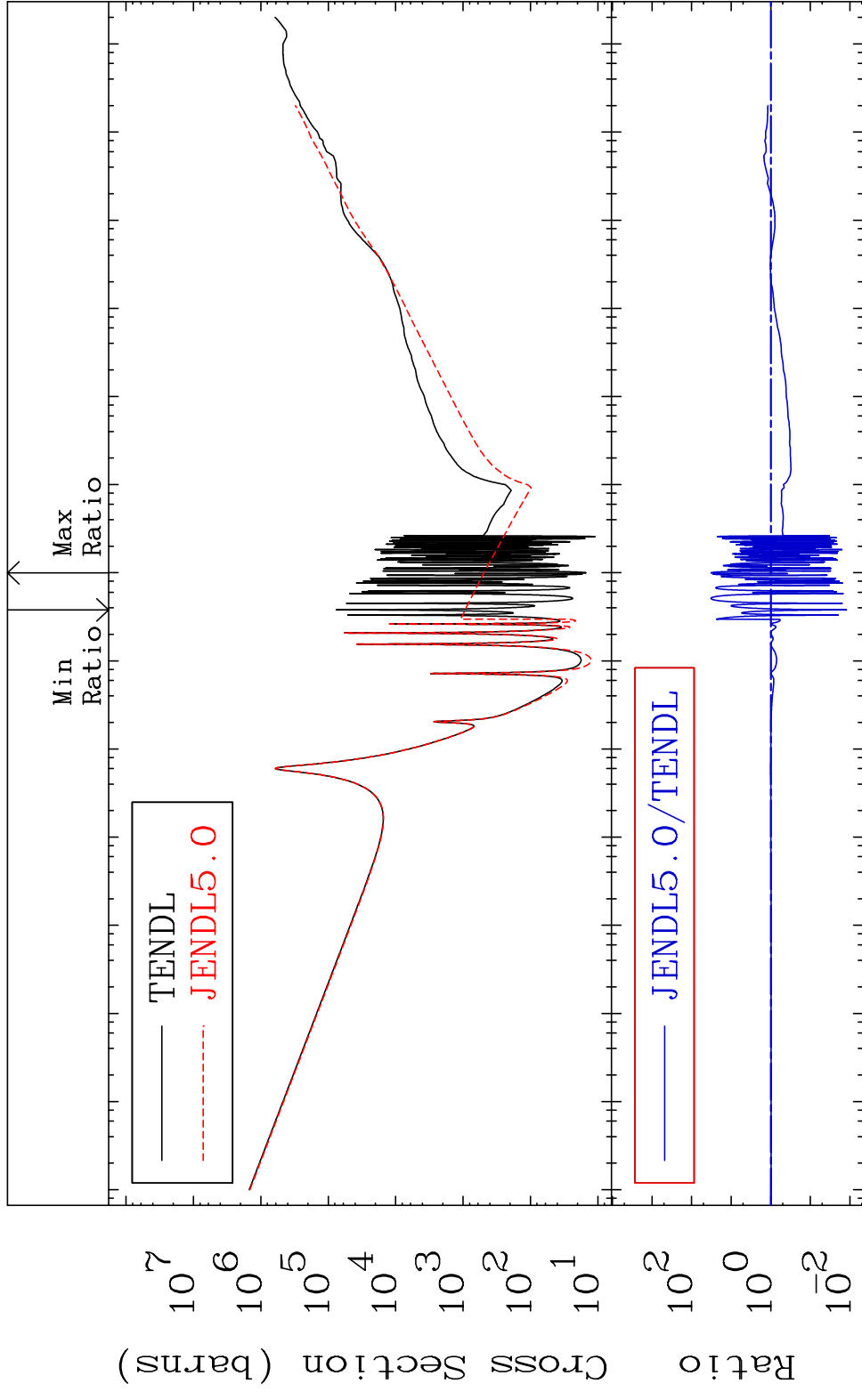


MAT 6337

Dpa total (eV-barns)

63-Eu-155

Cross Section -98.777 To 3183. %

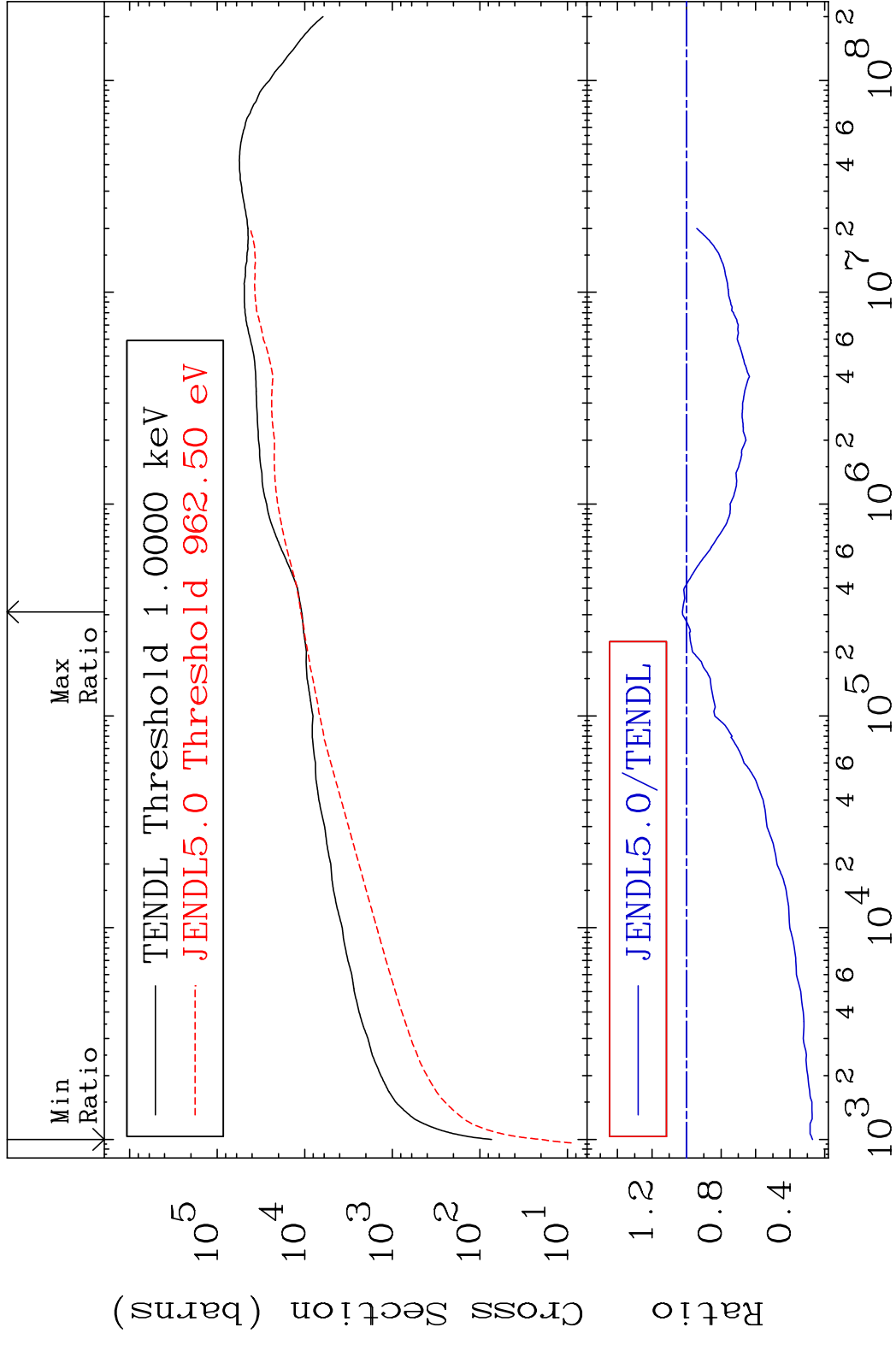


MAT 6337

Dpa elastic (mt2)

63-Eu-155

Cross Section -73.00 To 2.410 %

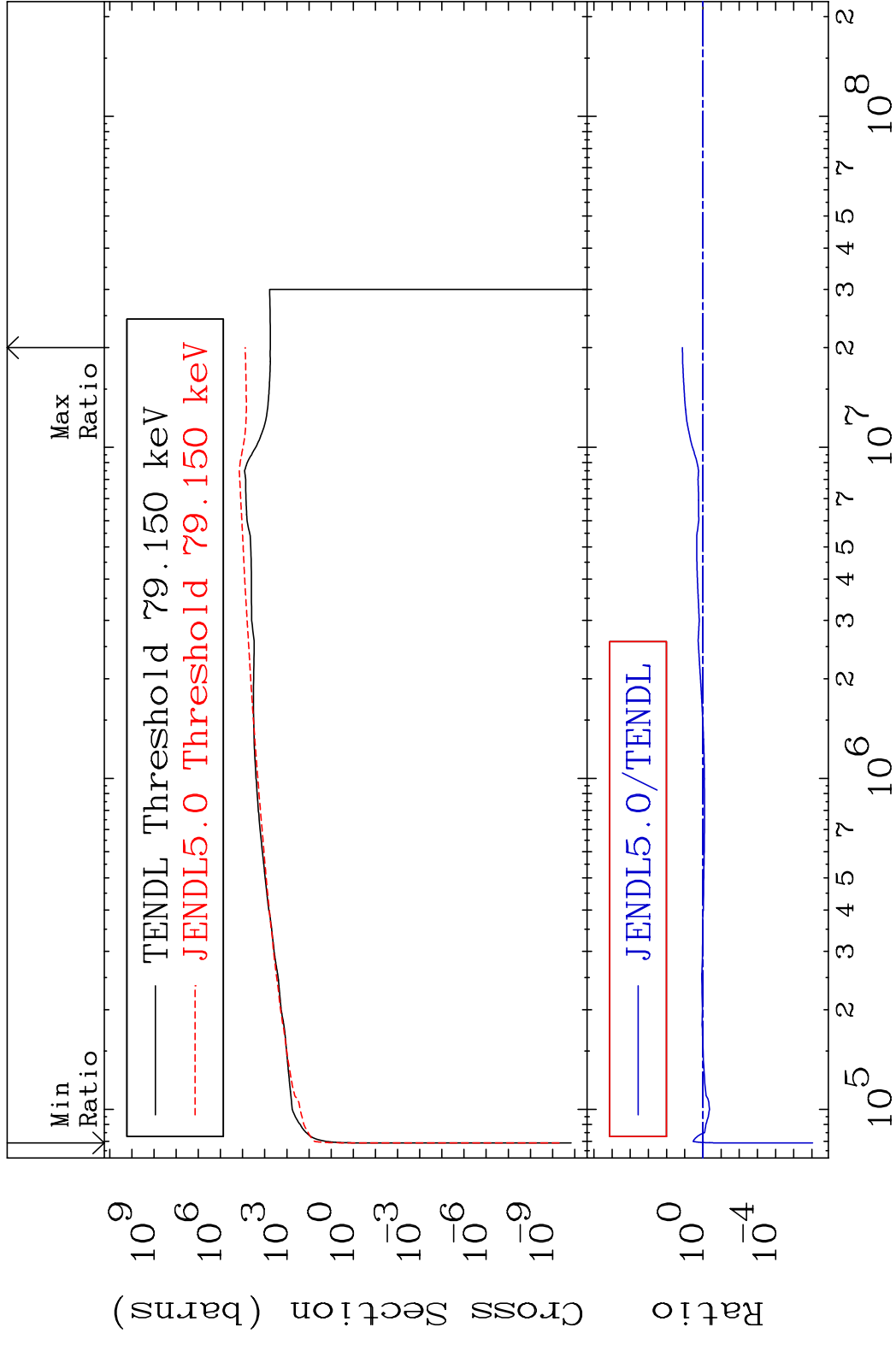


45

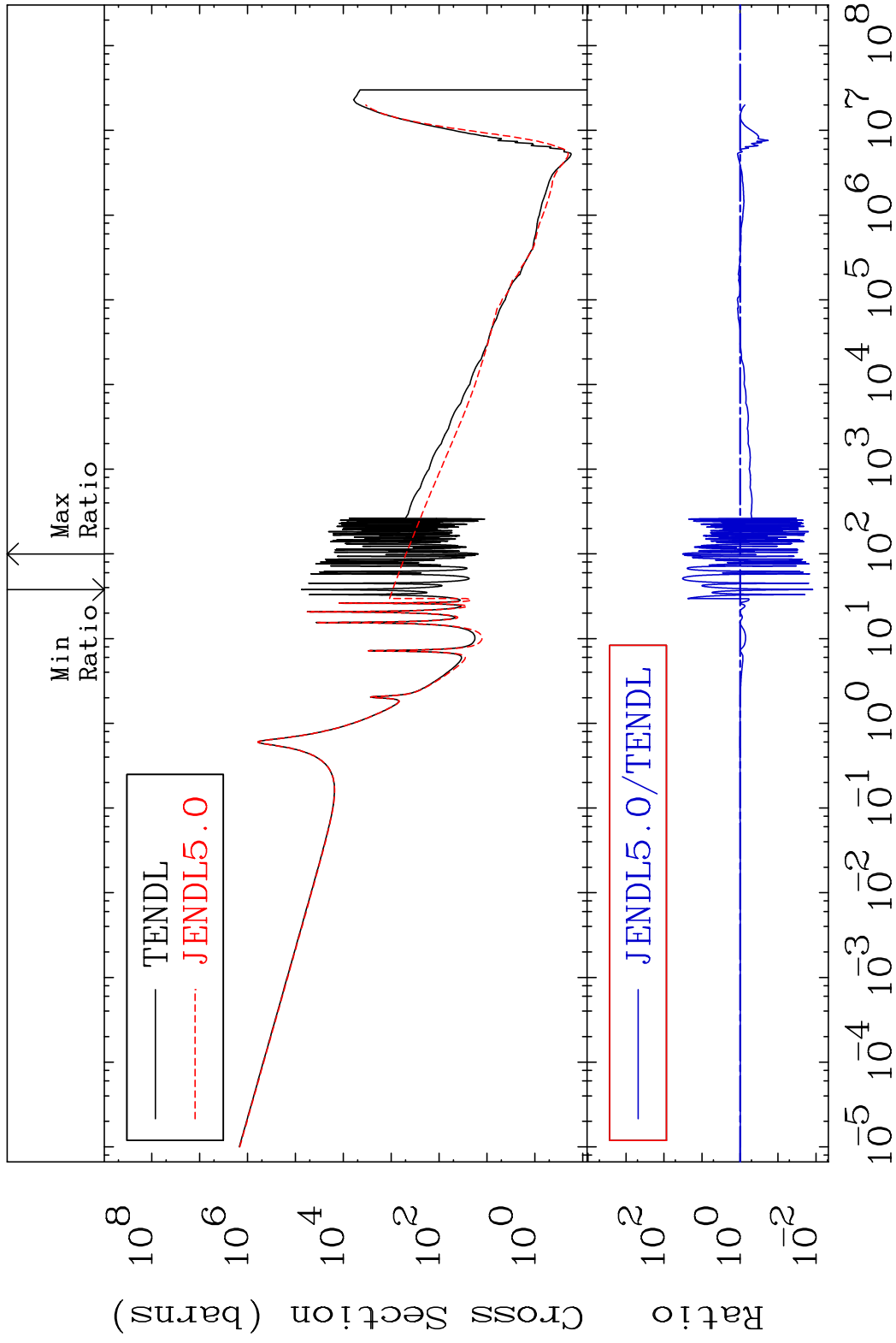
Incident Energy (eV)

63-Eu-155

MAT 6337 Dpa inelastic (mt51-91) 63-Eu-155  
 Cross Section -100.0 To 1254. %



MAT 6337 Dpa disappearance (mt102 -120) 63-Eu-155  
 Cross Section -98.77 To 3183. %



63-Eu-155