

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

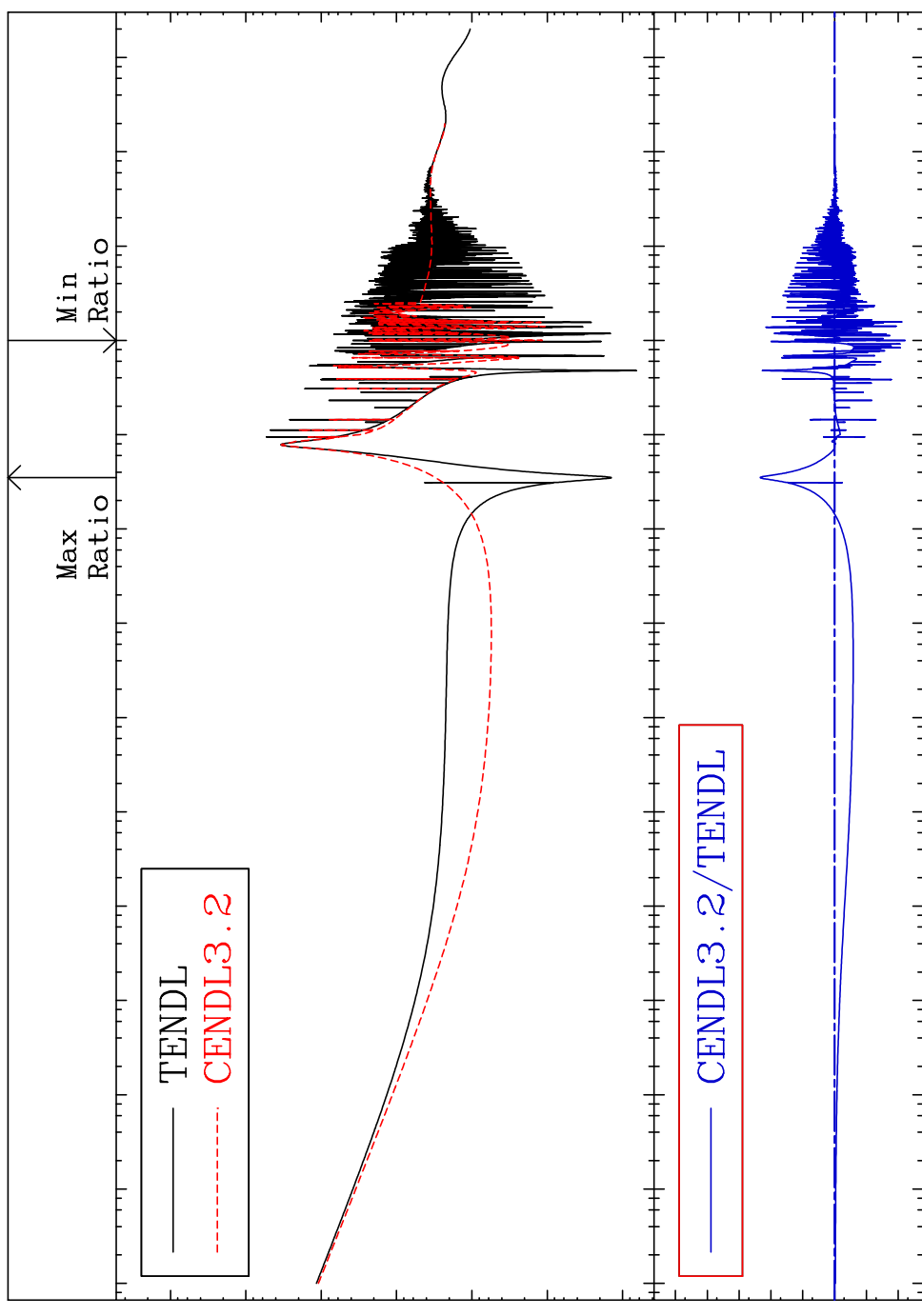
MAT 2625

Total

26-Fe-54

Cross Section

-99.40 To 9999. %



Cross Section (barns)

Ratio

Incident Energy (eV)

1

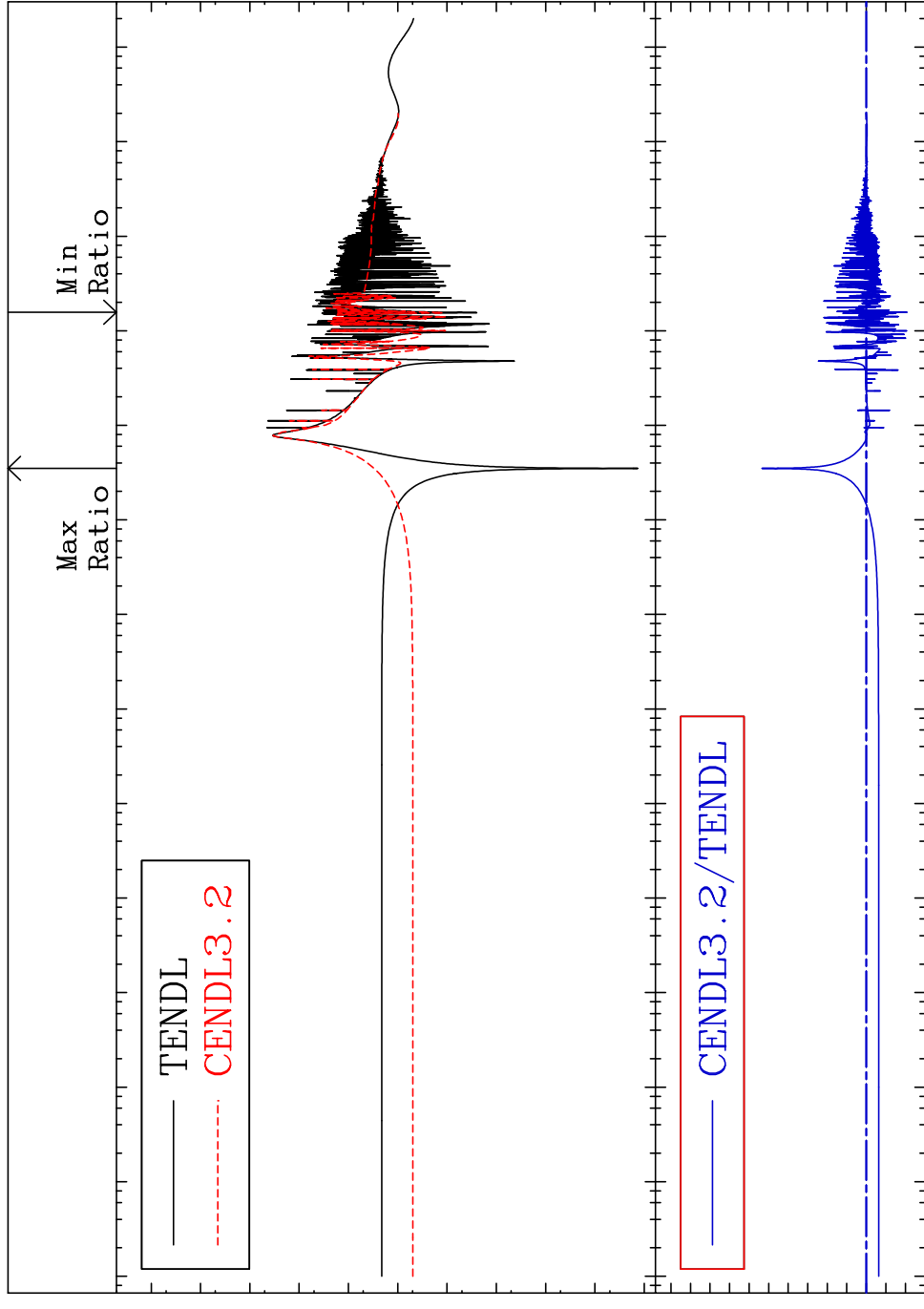
26-Fe-54

MAT 2625

26-Fe-54

Elastic

Cross Section -99.19 To 9999. %



Ratio

10<sup>4</sup>

10<sup>2</sup>

10<sup>0</sup>

10<sup>-2</sup>

10<sup>-4</sup>

10<sup>8</sup>

10<sup>4</sup>

10<sup>0</sup>

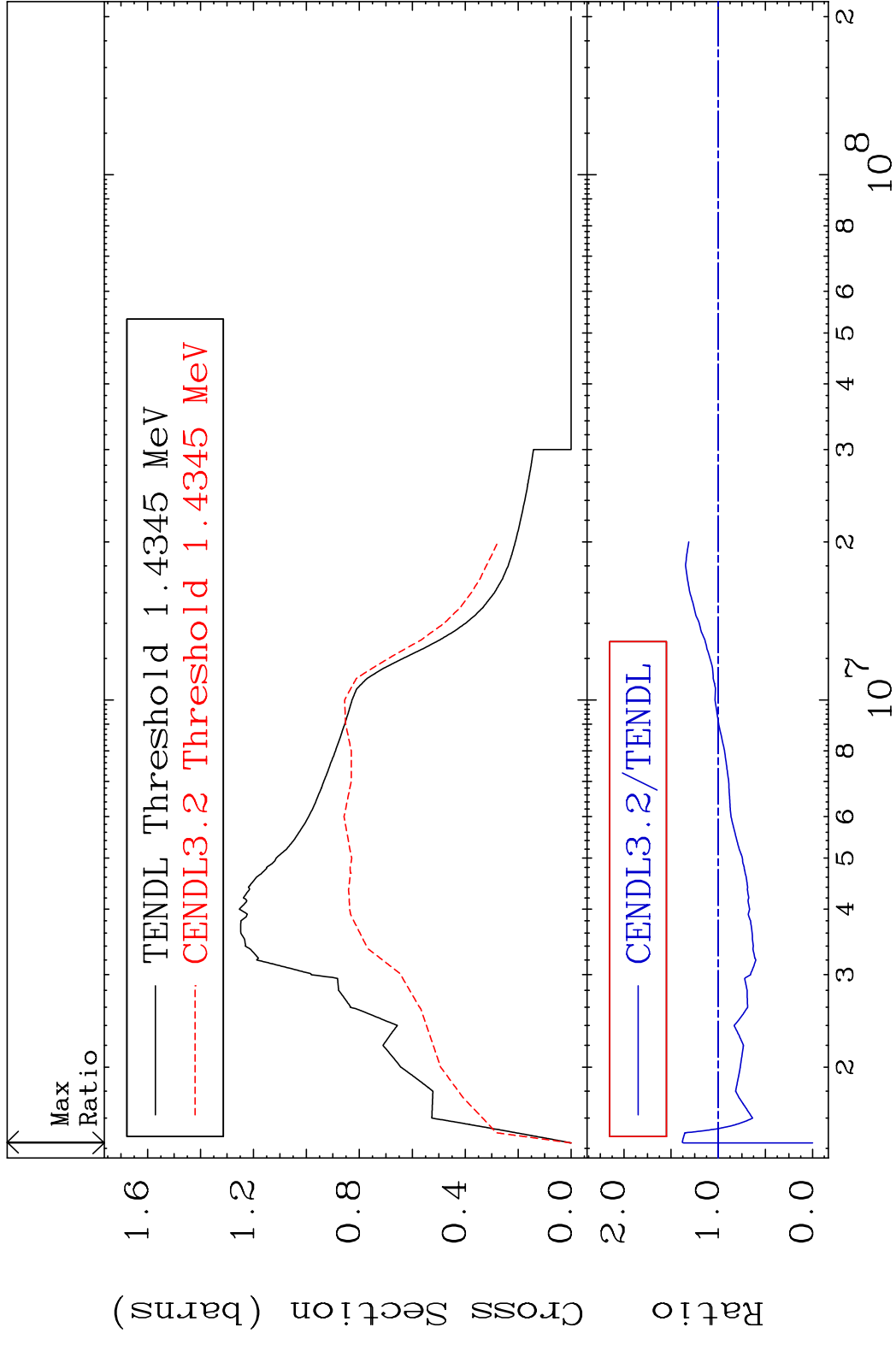
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

2

Incident Energy (eV)

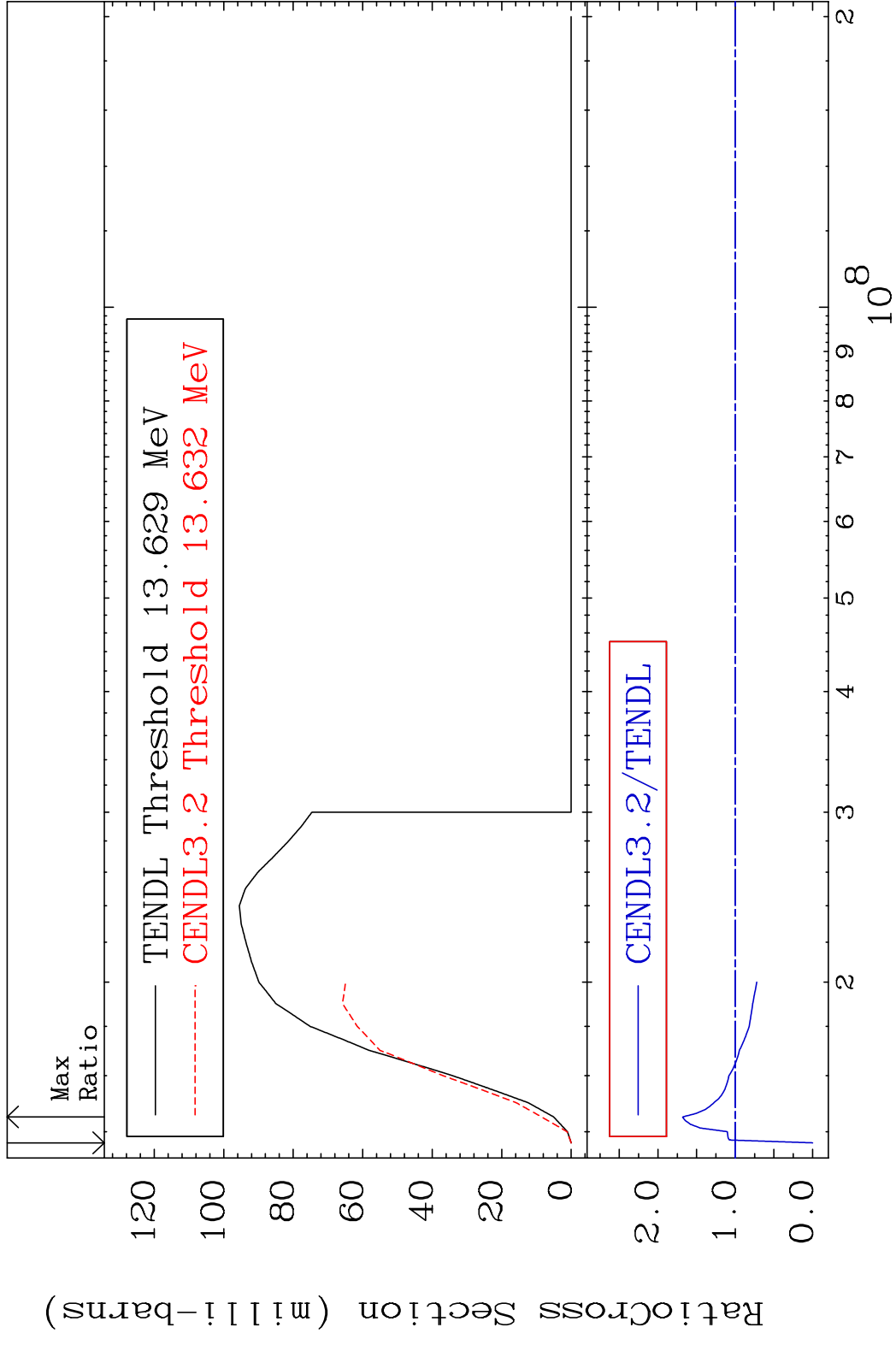
26-Fe-54

MAT 2625 Inelastic <sup>26</sup>Fe-54  
 Cross Section -100.0 To 38.06 %



3 Incident Energy (eV) <sup>26</sup>Fe-54

MAT 2625 (n,2n) <sup>26</sup>Fe-54  
 Cross Section -100.0 To 68.42 %

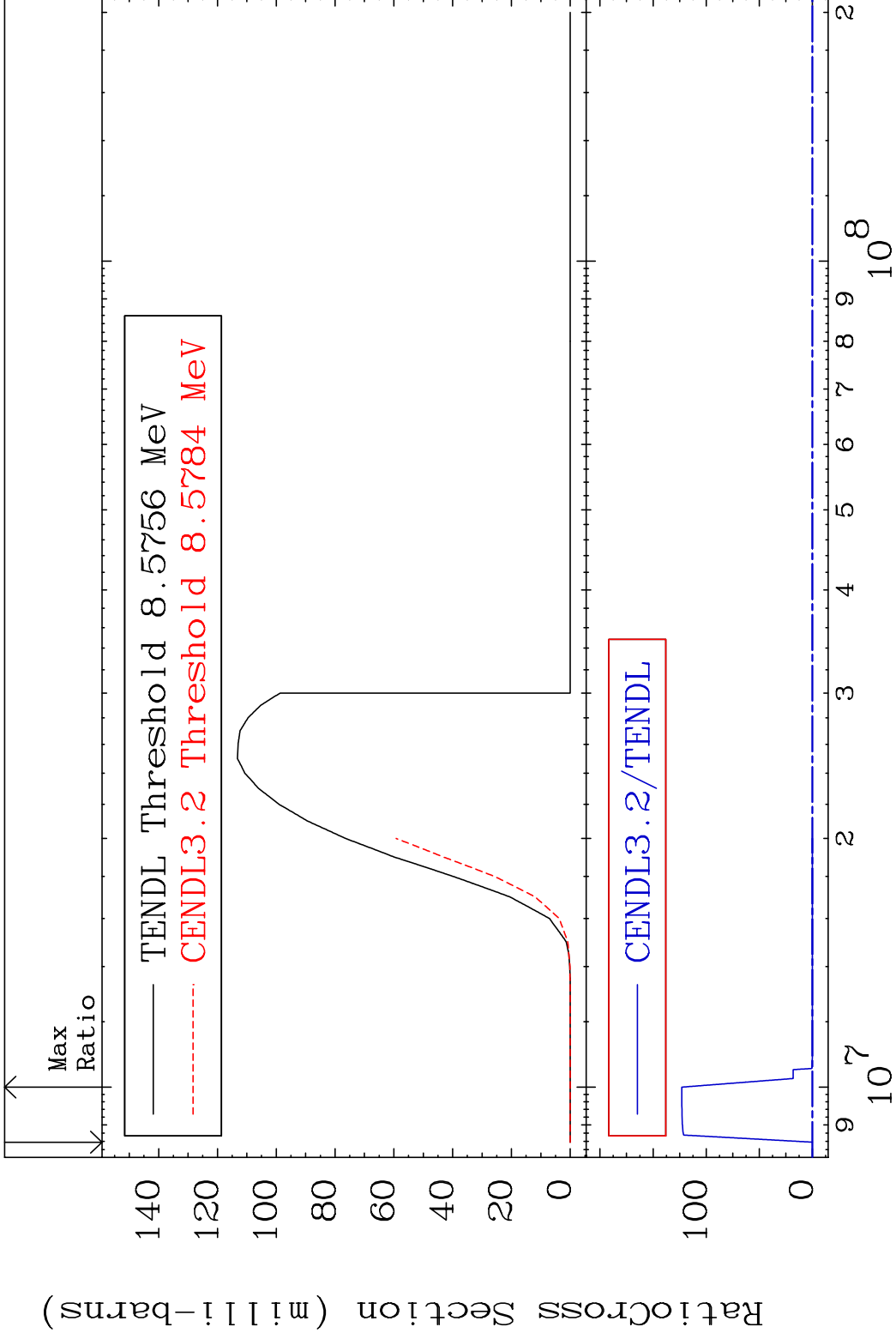


MAT 2625

(n, n')  $\alpha$

<sup>26</sup>Fe-54

Cross Section -100.0 To 9999. %

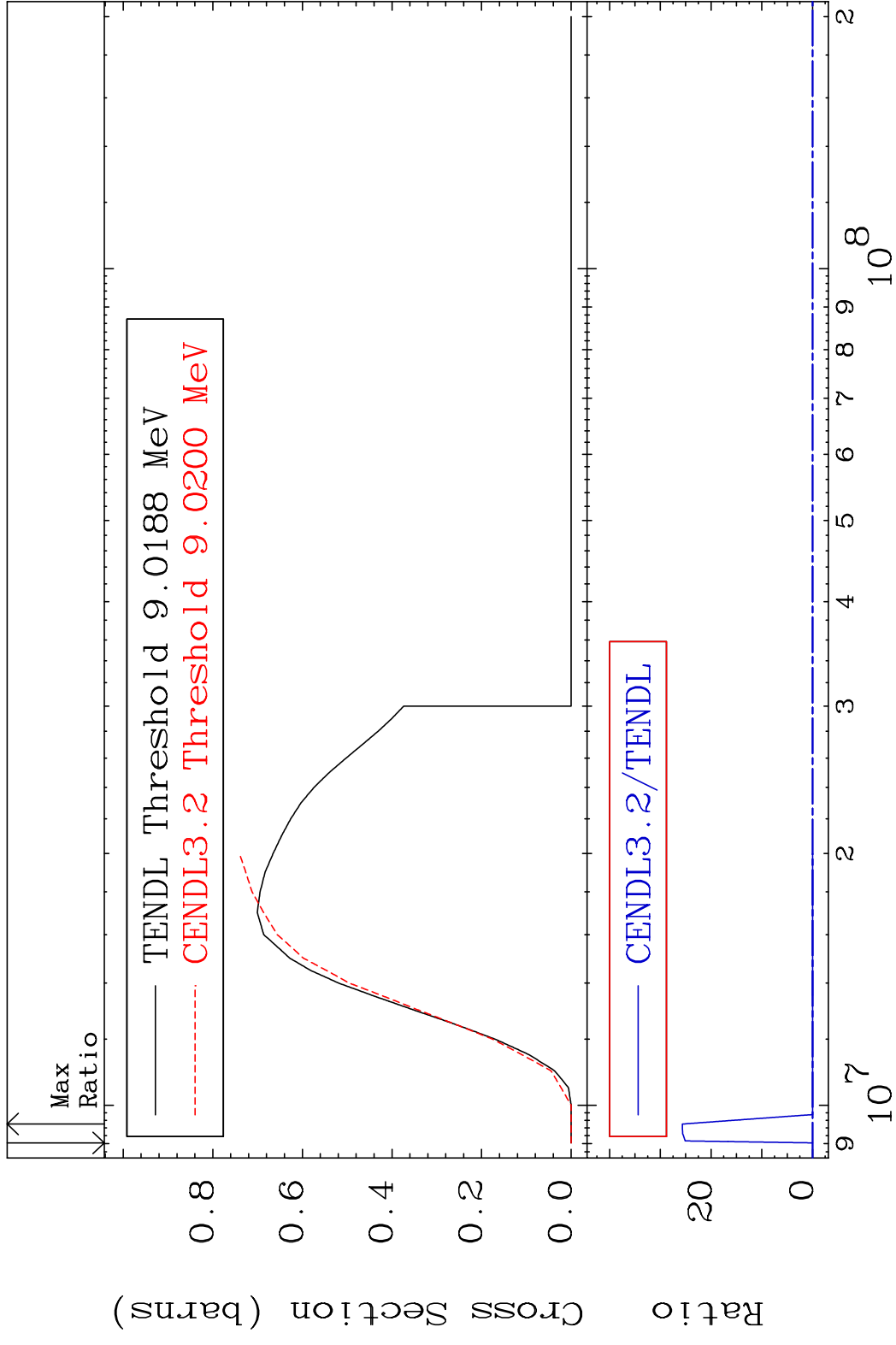


5

Incident Energy (eV)

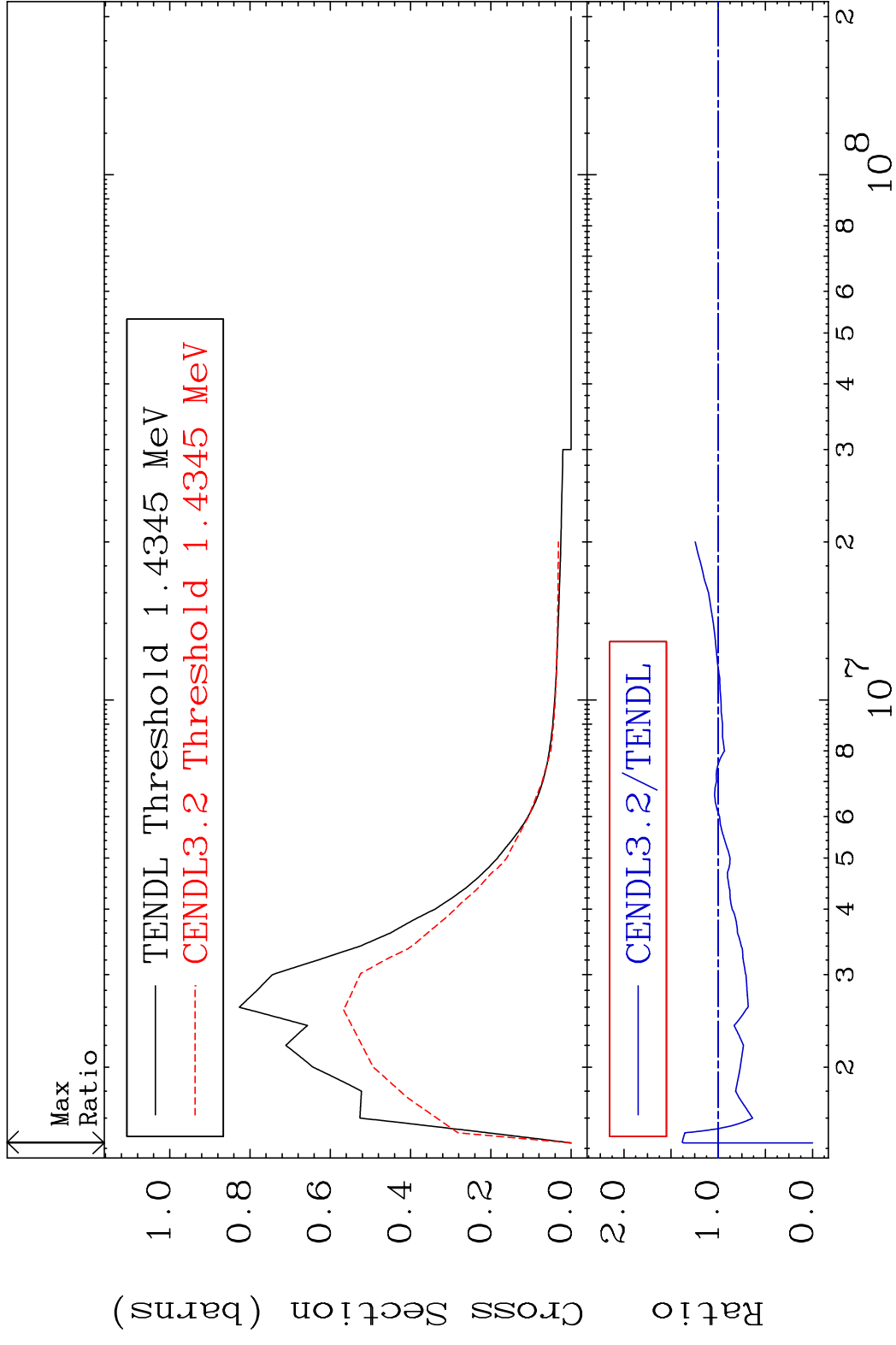
<sup>26</sup>Fe-54

MAT 2625 (n, n') p 26-Fe-54  
 Cross Section -100.0 To 9999. %



6 Incident Energy (eV) 26-Fe-54

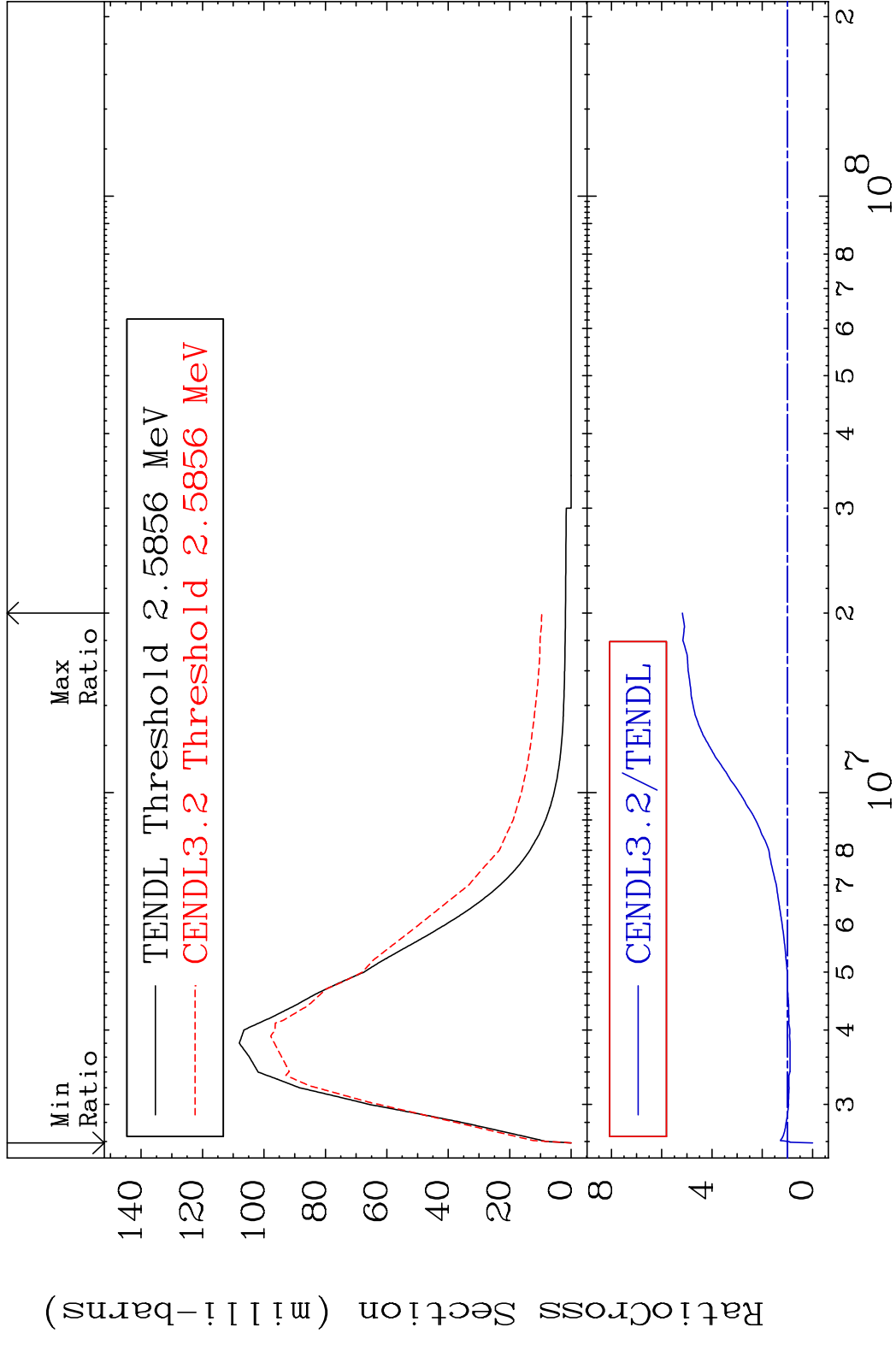
MAT 2625 MT= 51 (n,n') Level 26-Fe-54  
 Cross Section -100.0 To 38.06 %



7 Incident Energy (eV) 26-Fe-54

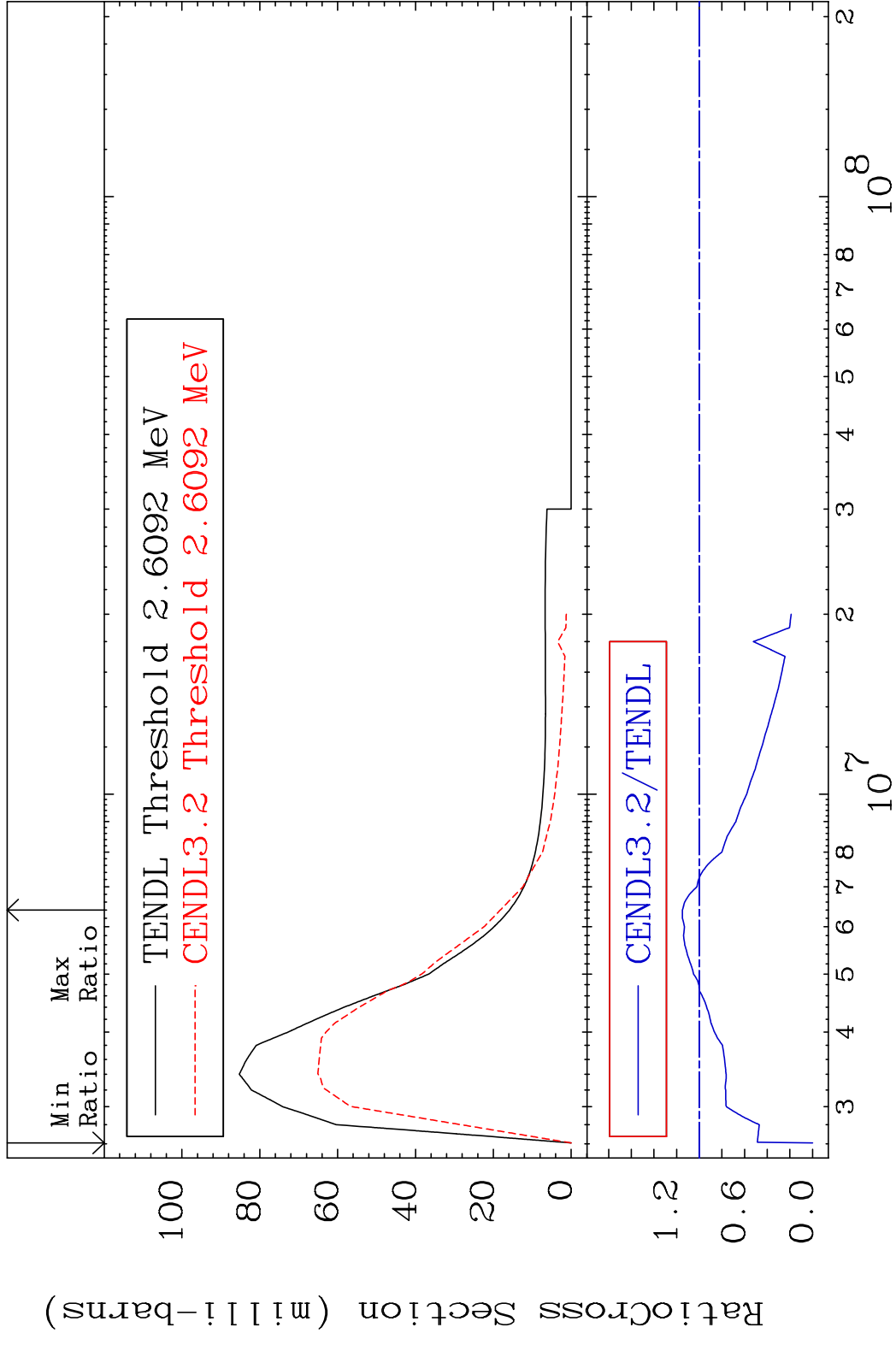


MAT 2625 MT= 52 (n, n') Level 26-Fe-54  
 Cross Section -100.0 To 418.0 %

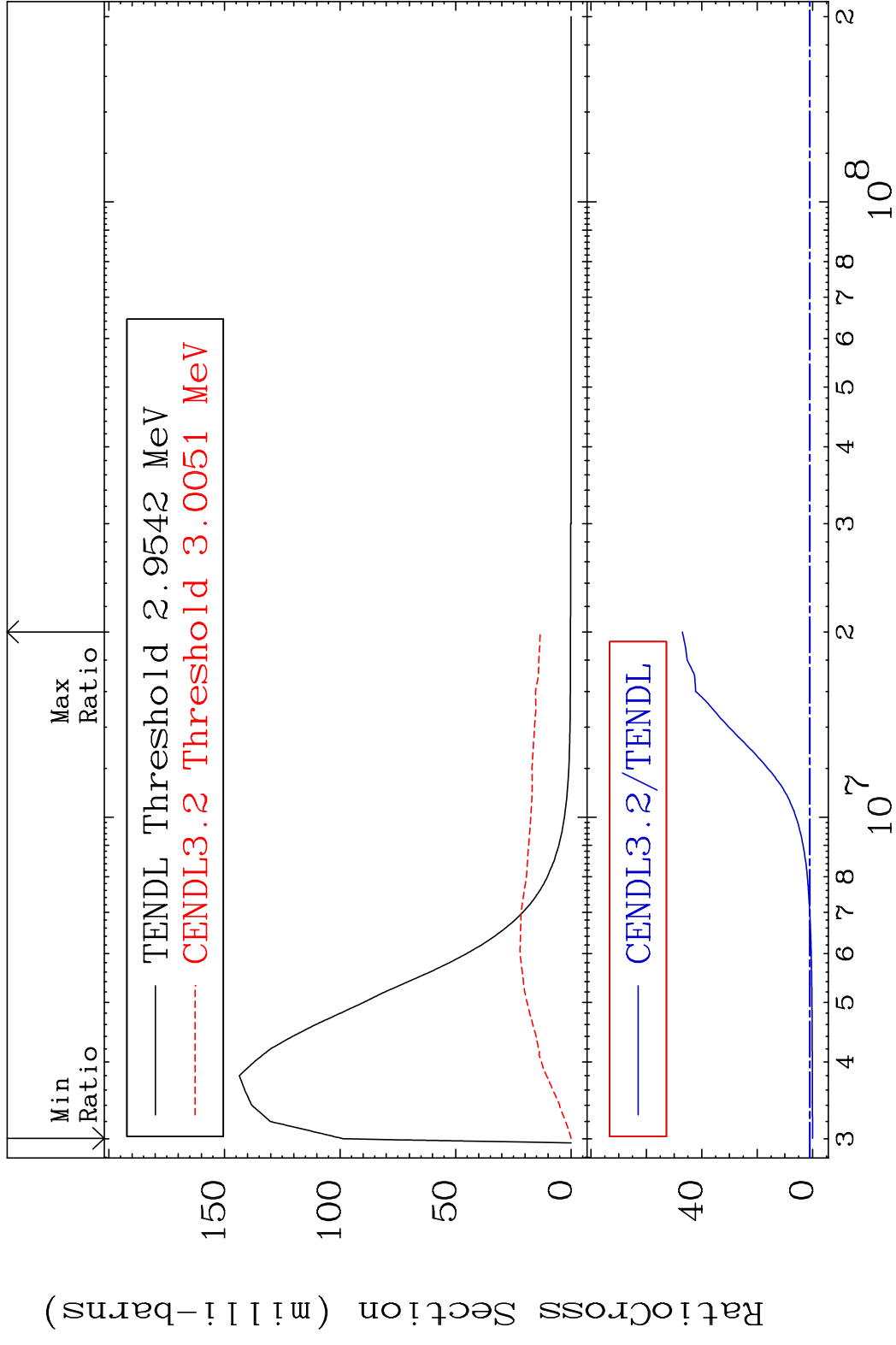


8 Incident Energy (eV) 26-Fe-54

MAT 2625 MT= 53 (n, n') Level 26-Fe-54  
 Cross Section -100.0 To 14.92 %

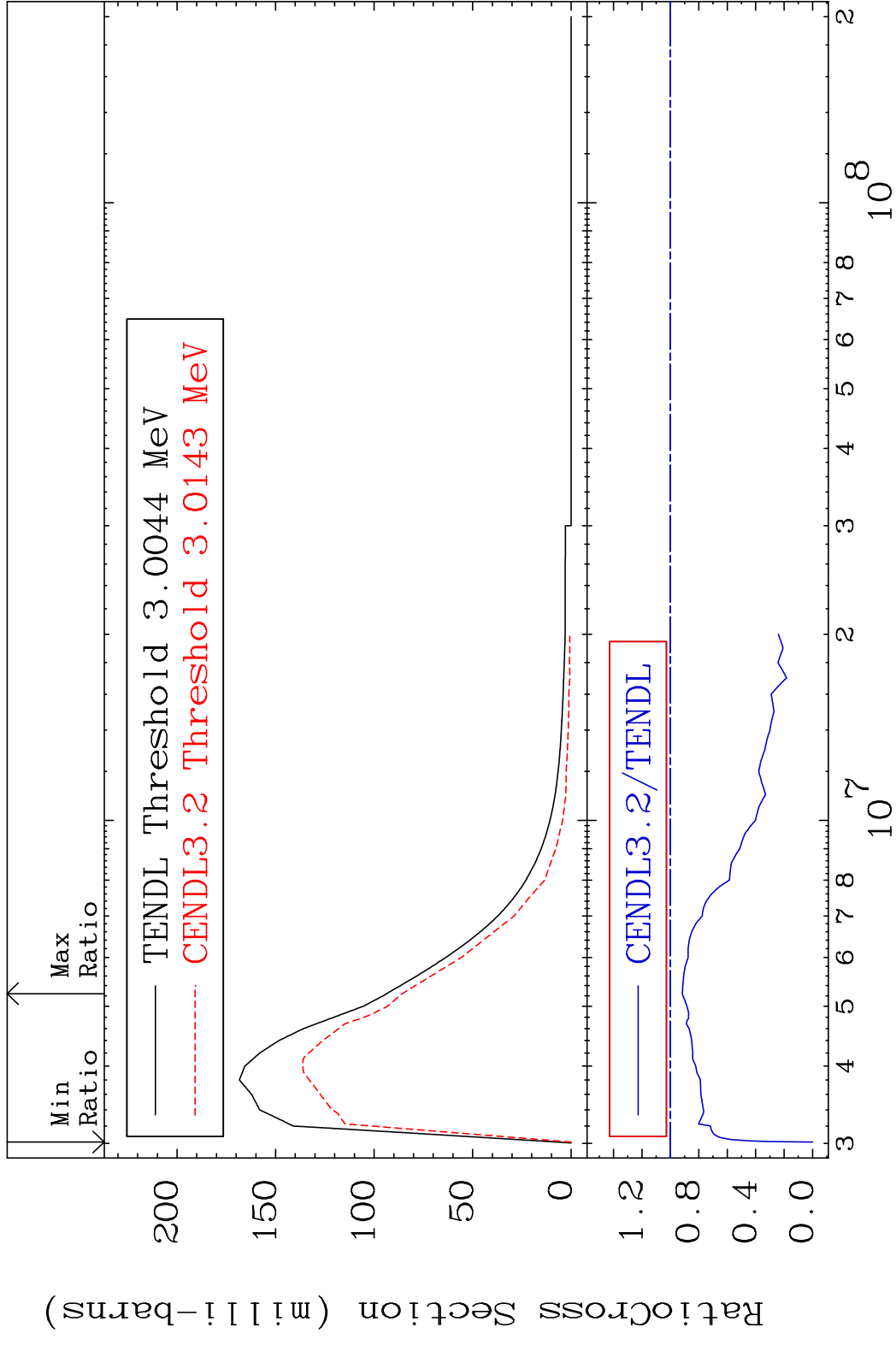


MAT 2625 MT= 54 (n, n') Level 26-Fe-54  
 Cross Section -100.0 To 4601. %

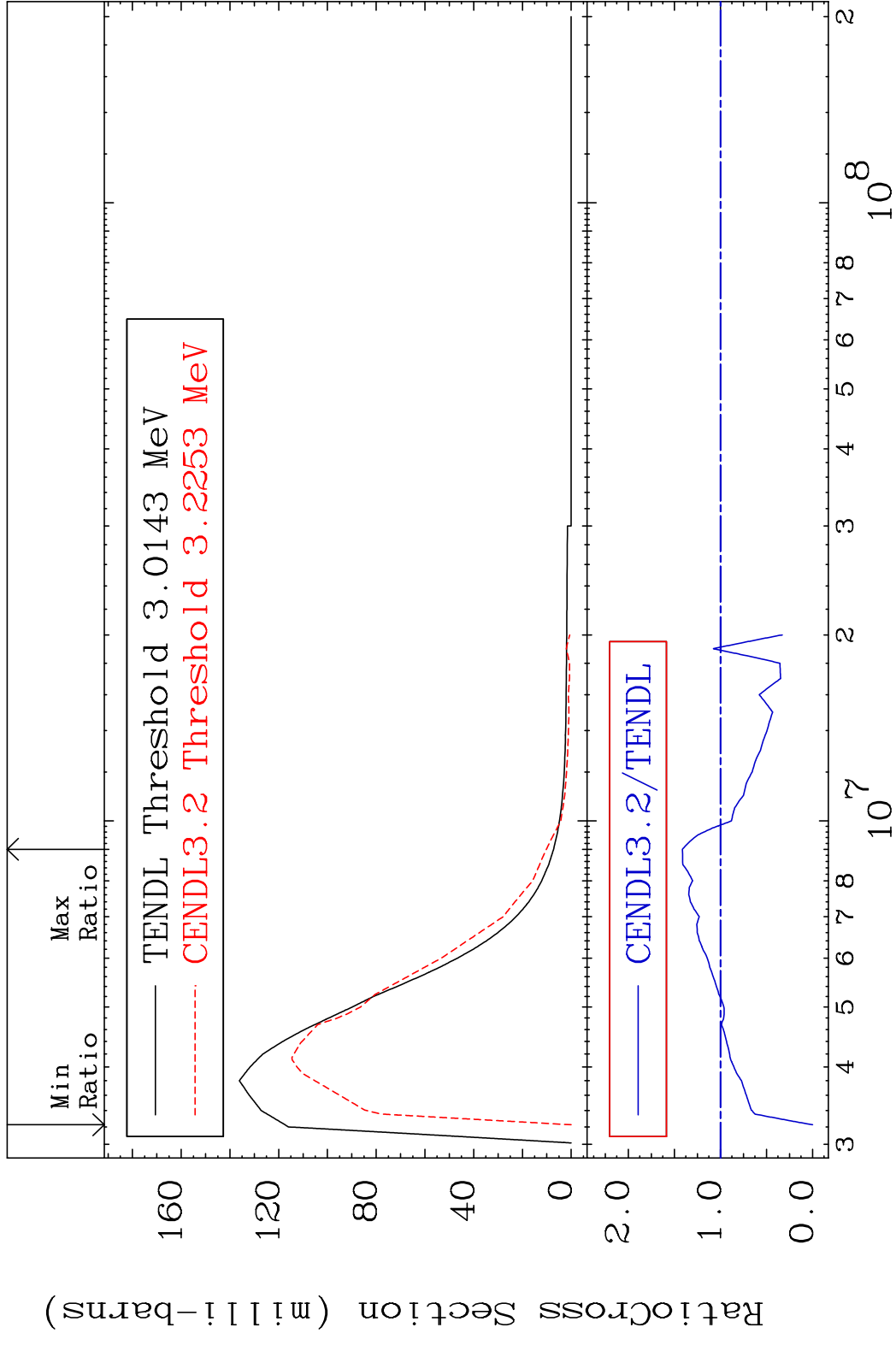


10 10 26-Fe-54

MAT 2625 MT= 55 (n,n') Level 26-Fe-54  
 Cross Section -100.0 To -8.422%

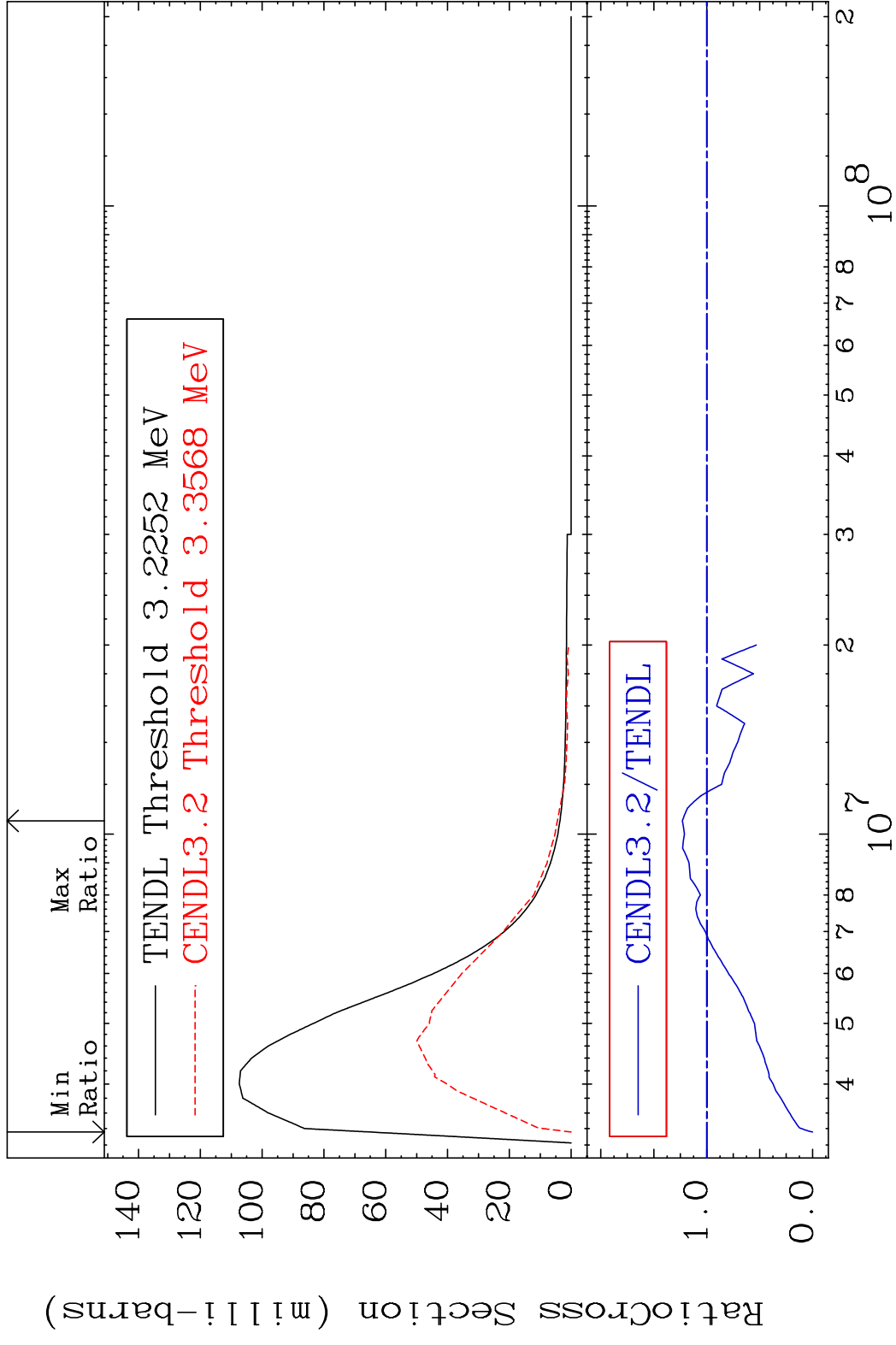


MAT 2625 MT= 56 (n,n') Level 26-Fe-54  
 Cross Section -100.0 To 41.34 %

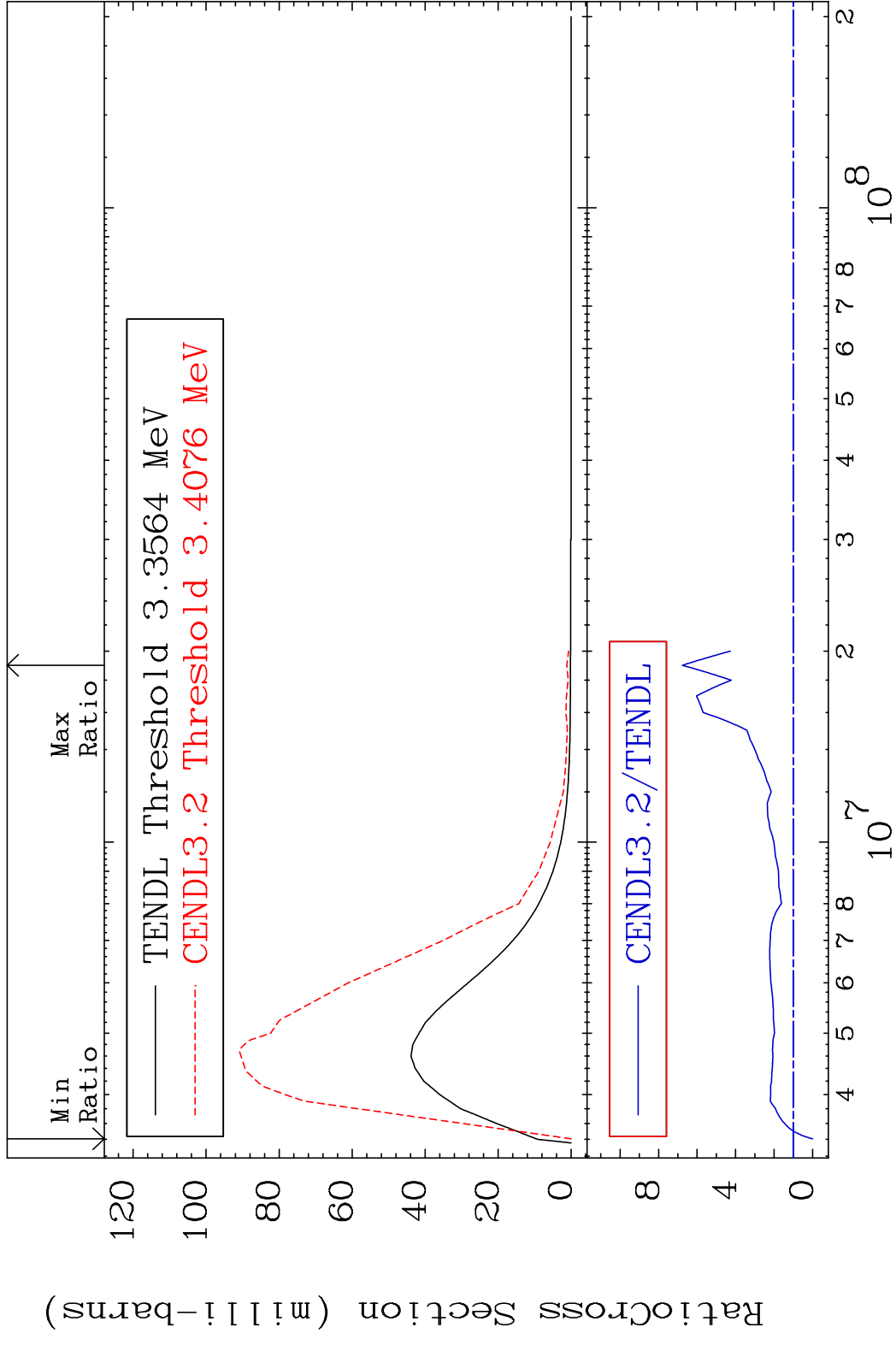


12 Incident Energy (eV) 26-Fe-54

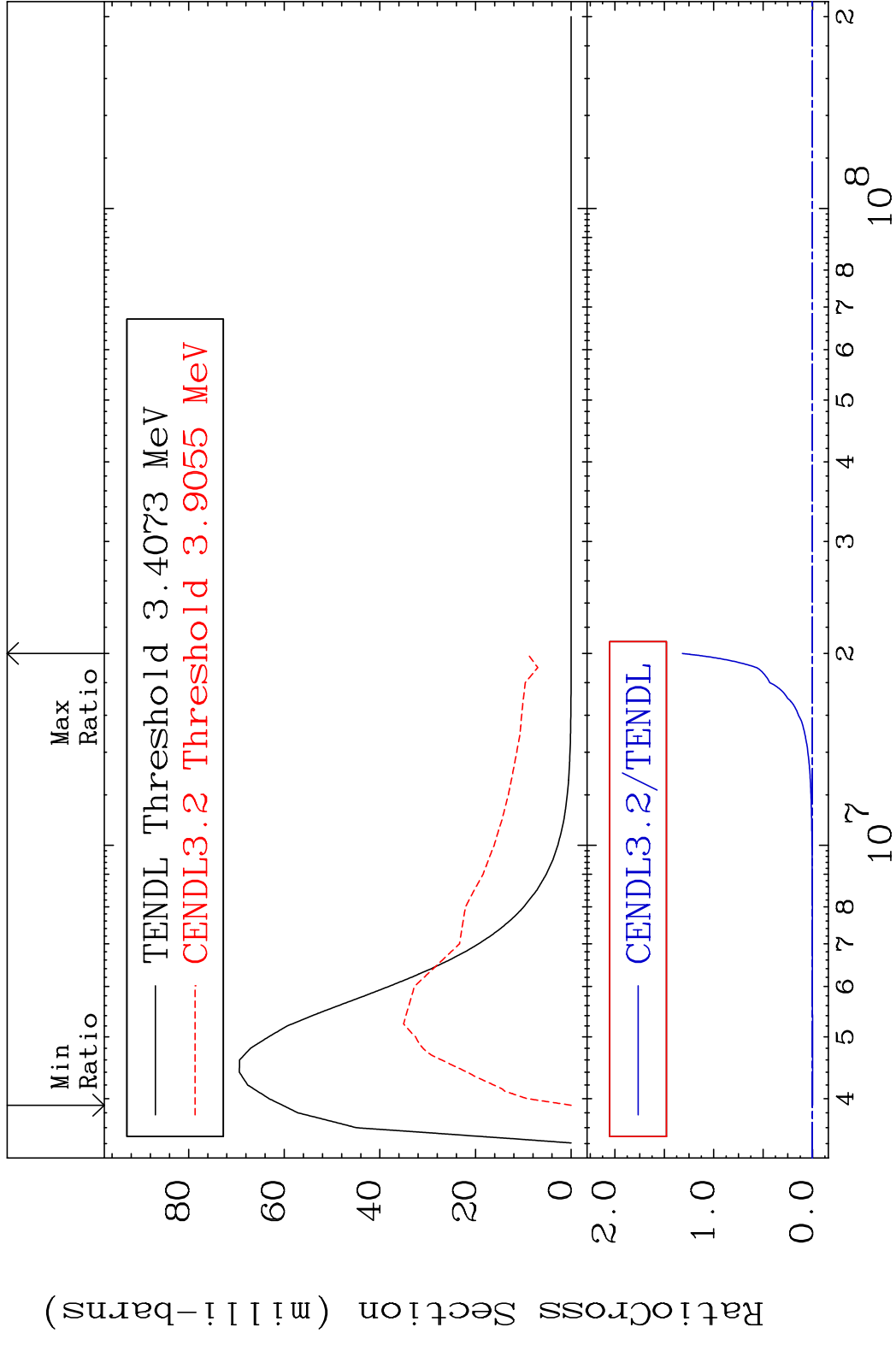
MAT 2625 MT= 57 (n,n') Level 26-Fe-54  
 Cross Section -100.0 To 23.00 %



MAT 2625 MT= 58 (n, n') Level 26-Fe-54  
 Cross Section -100.0 To 576.4 %

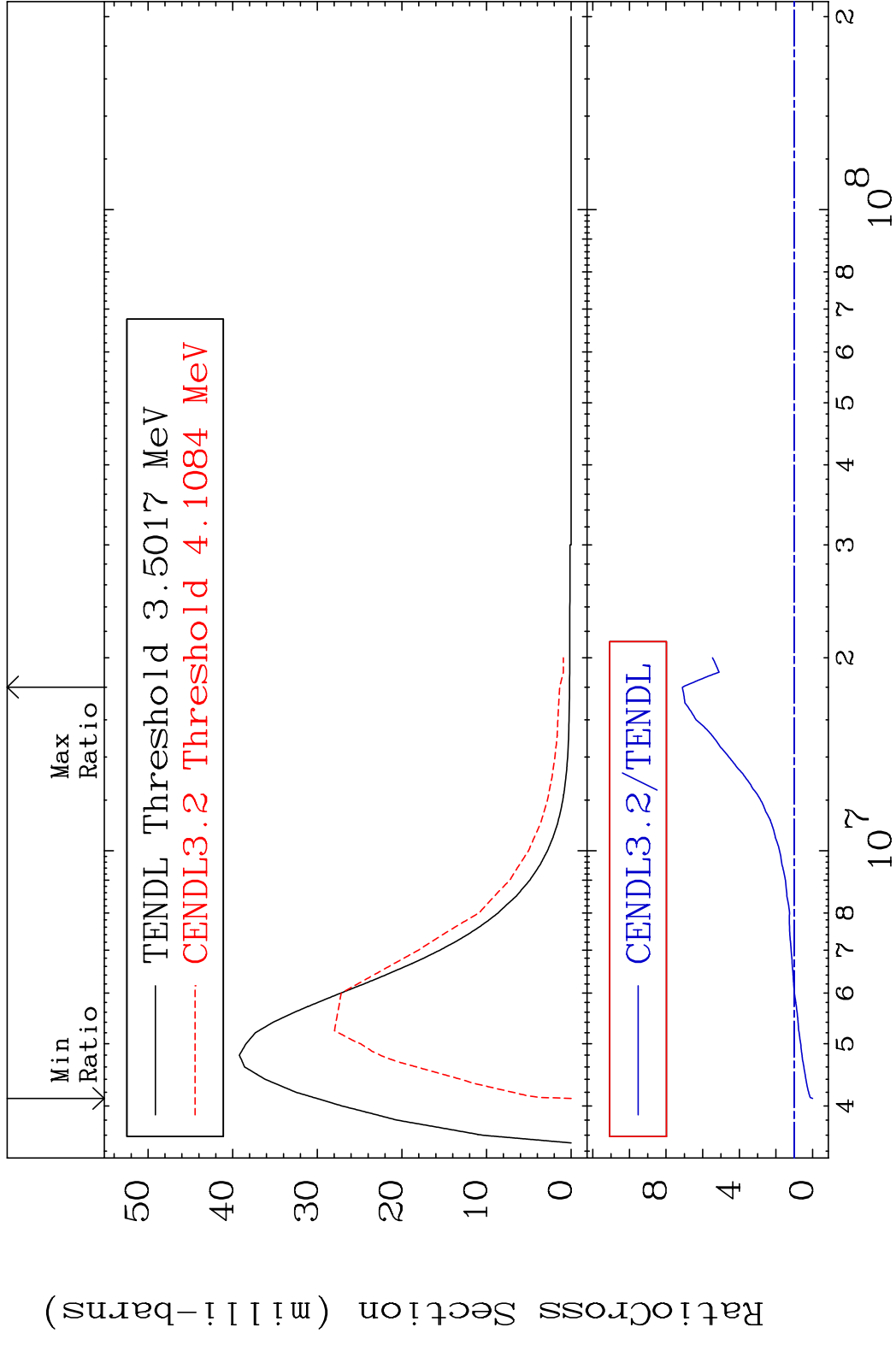


MAT 2625 MT= 59 (n, n') Level 26-Fe-54  
 Cross Section -100.0 To 9999. %

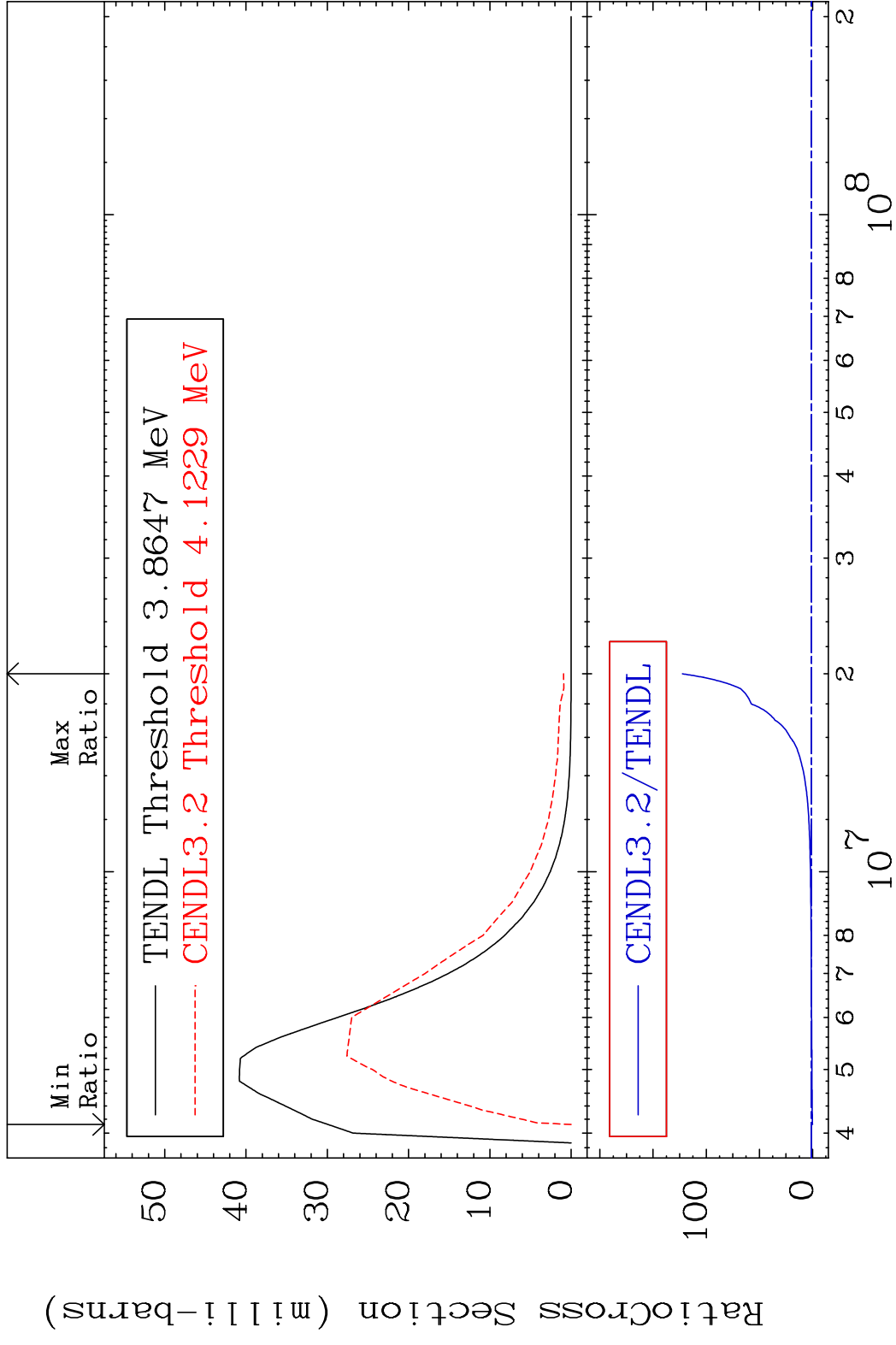




MAT 2625 MT= 60 (n, n') Level 26-Fe-54  
 Cross Section -100.0 To 610.9 %

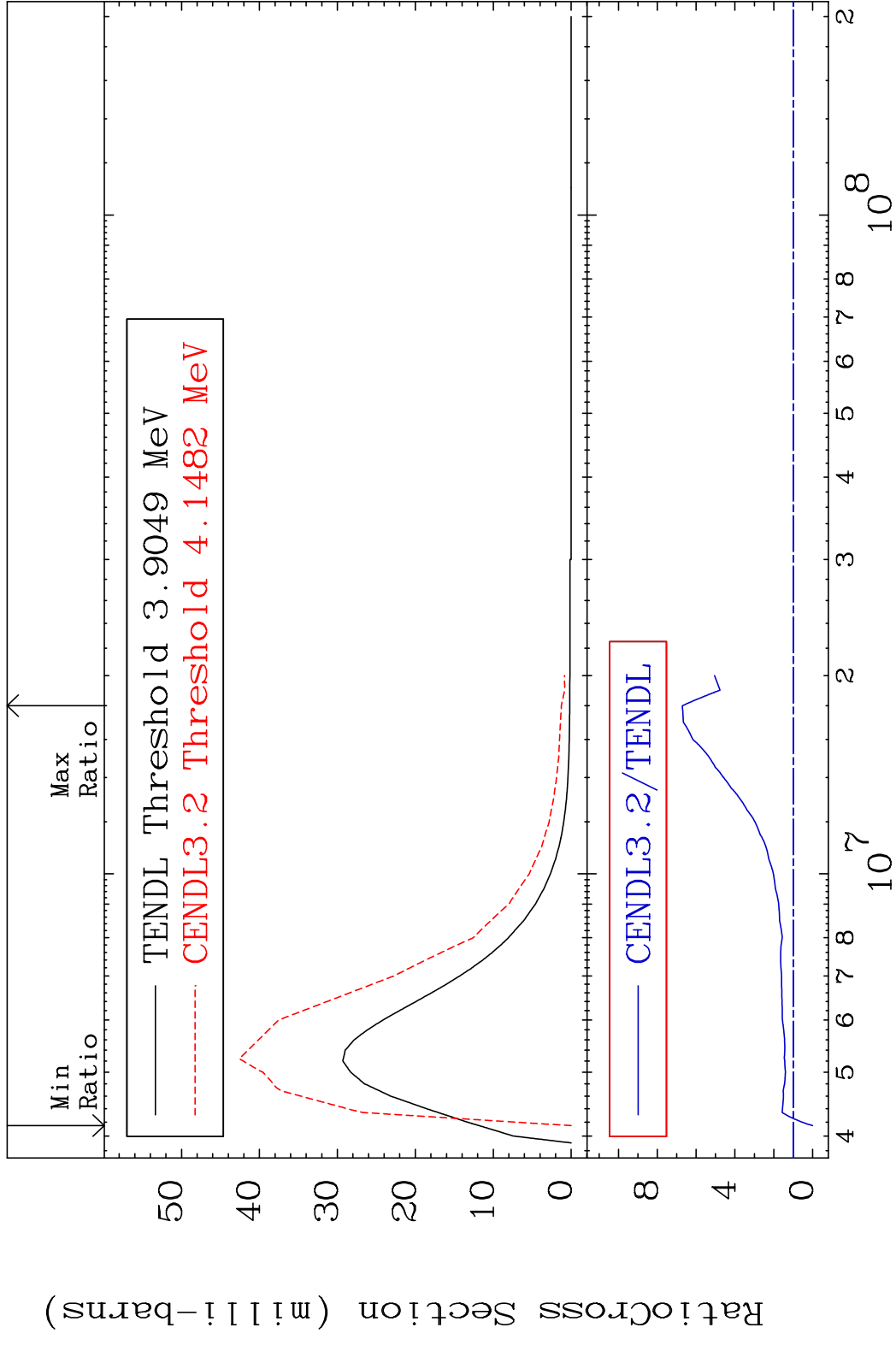


MAT 2625 MT= 61 (n, n') Level 26-Fe-54  
 Cross Section -100.0 To 9999. %

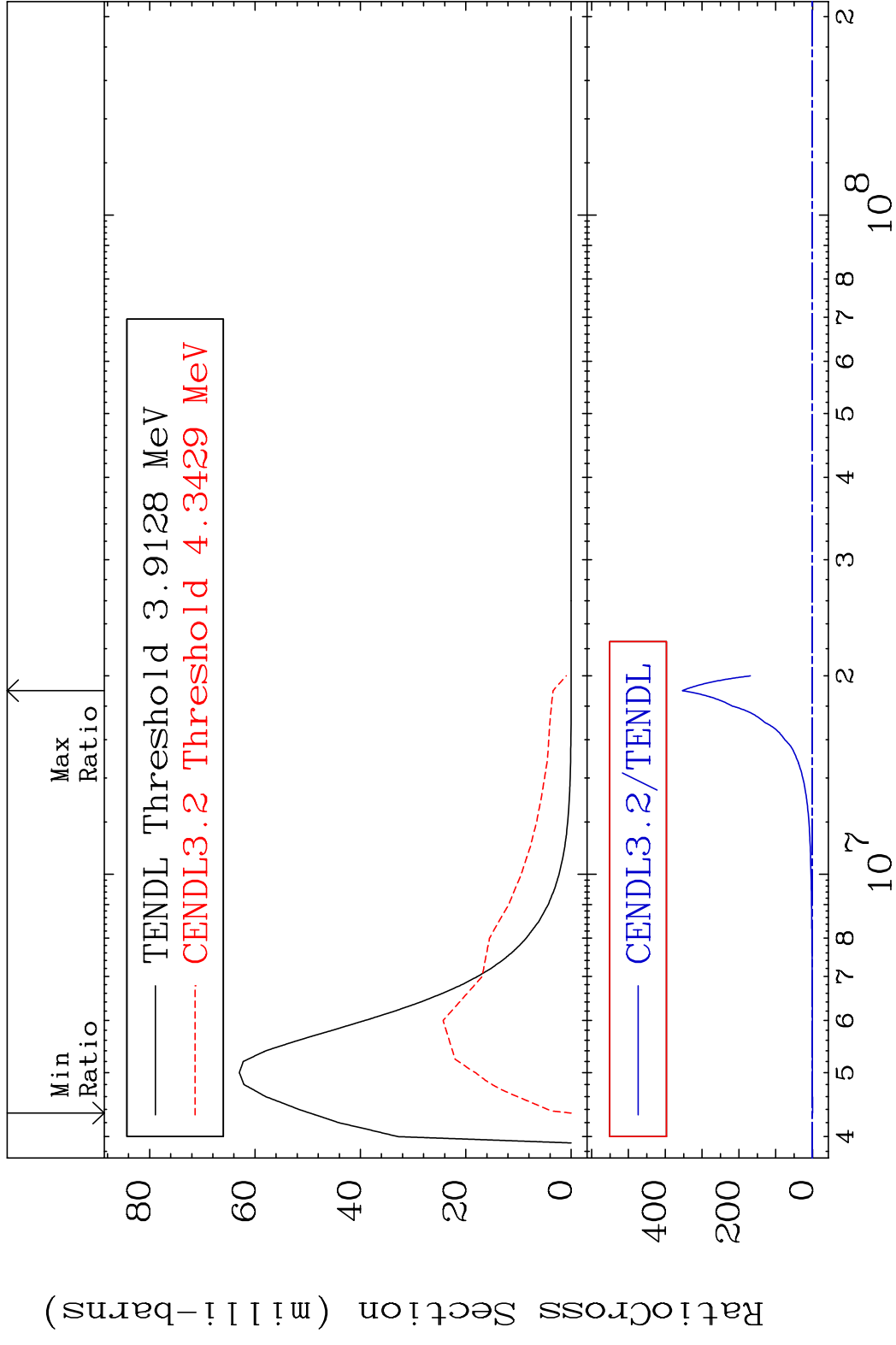


17 Incident Energy (eV) 26-Fe-54

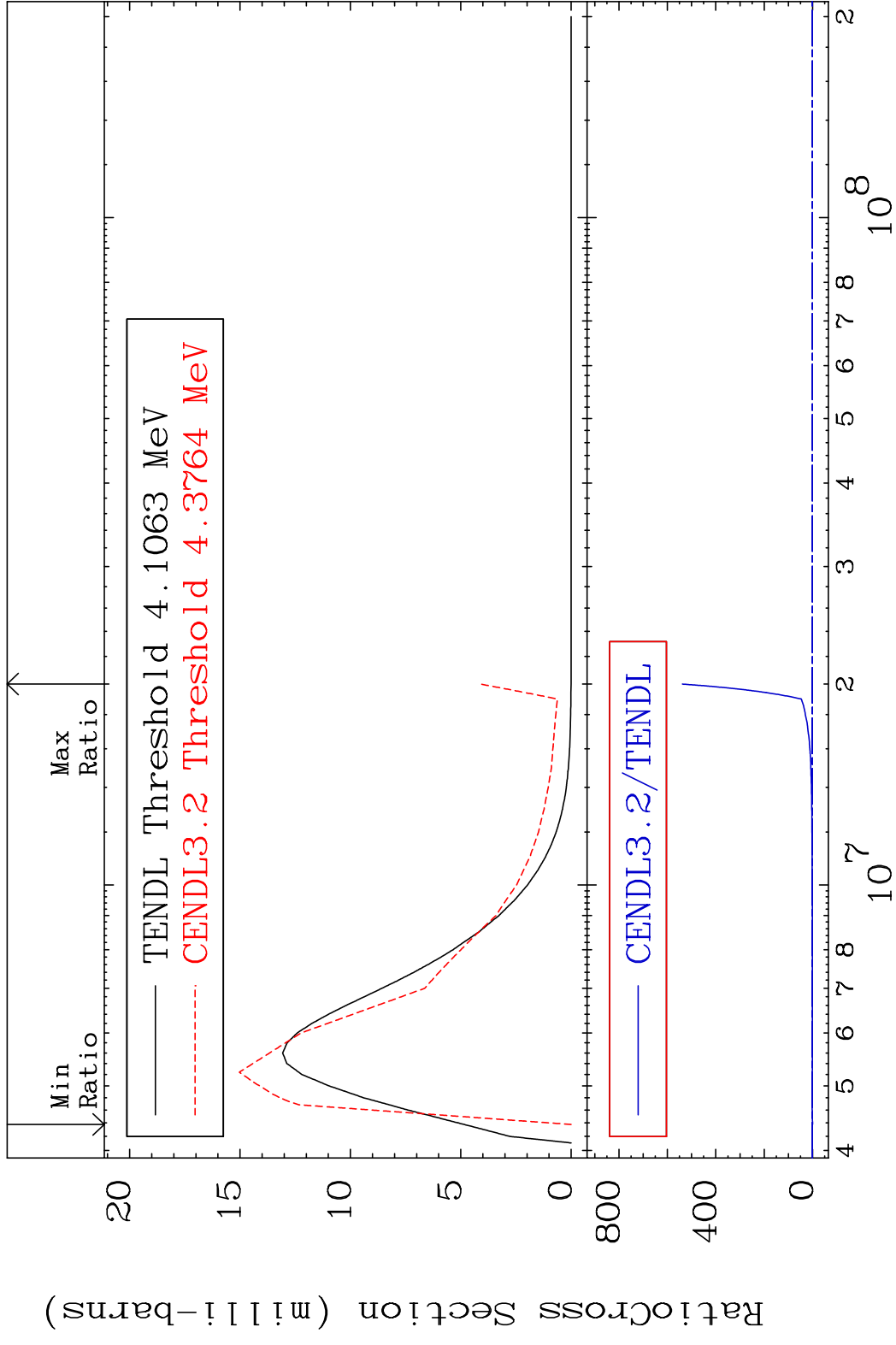
MAT 2625 MT= 62 (n, n') Level 26-Fe-54  
 Cross Section -100.0 To 571.1 %



MAT 2625 MT= 63 (n, n') Level 26-Fe-54  
 Cross Section -100.0 To 9999. %

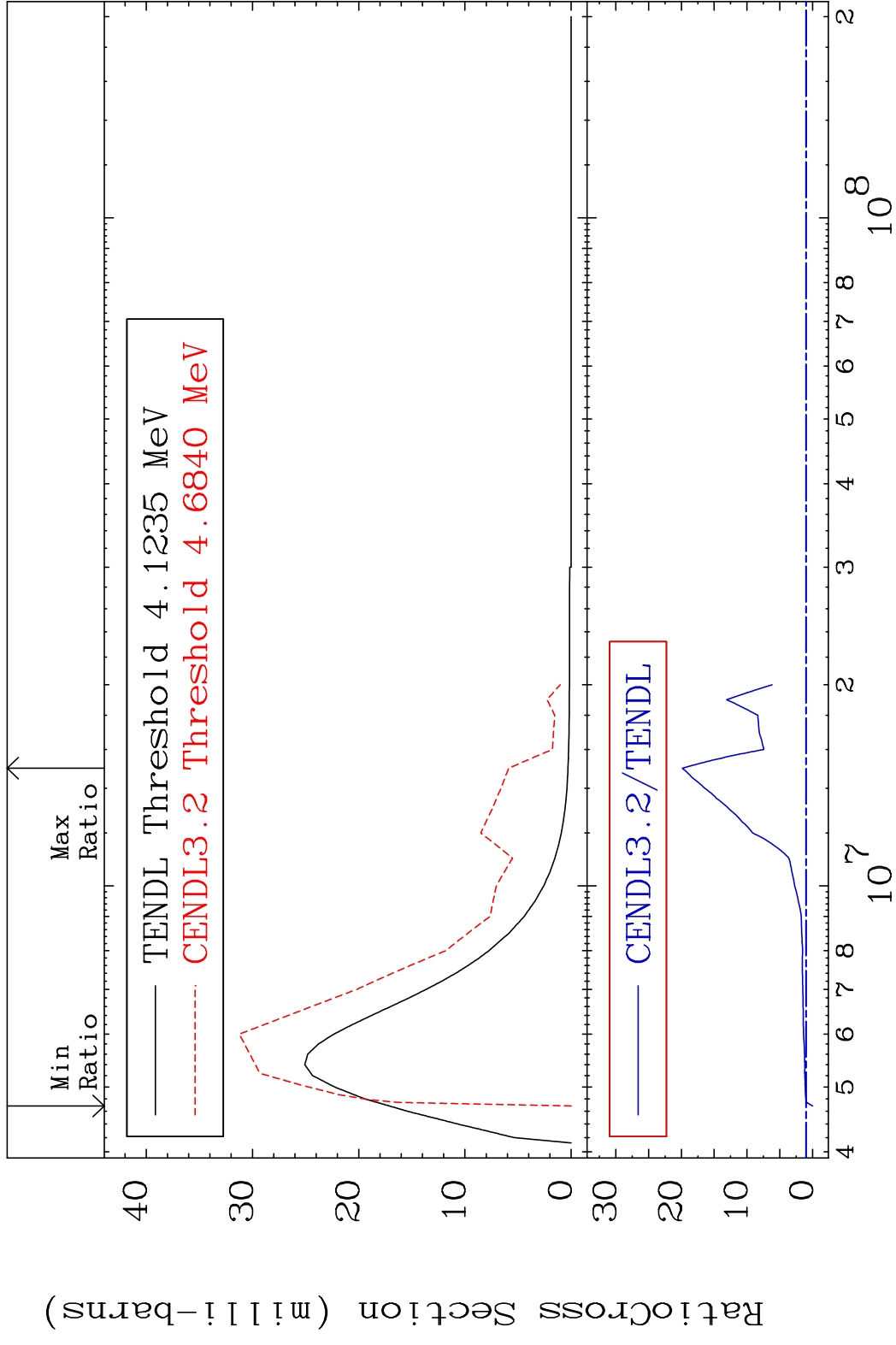


MAT 2625 MT= 64 (n, n') Level 26-Fe-54  
 Cross Section -100.0 To 9999. %



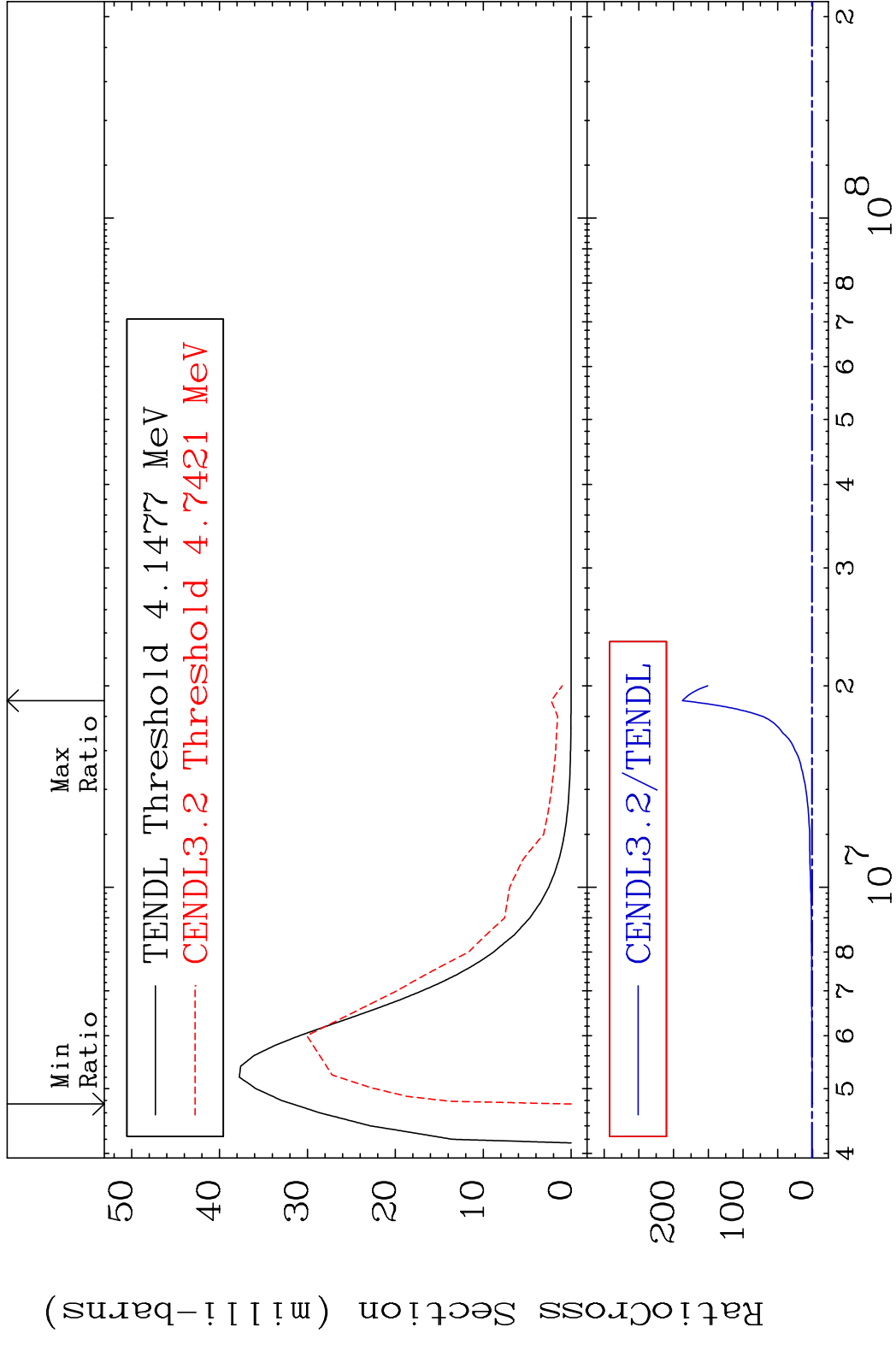
20 10 5 0 800 400 0 4 5 6 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup>

MAT 2625 MT= 65 (n, n') Level 26-Fe-54  
 Cross Section -100.0 To 1886. %

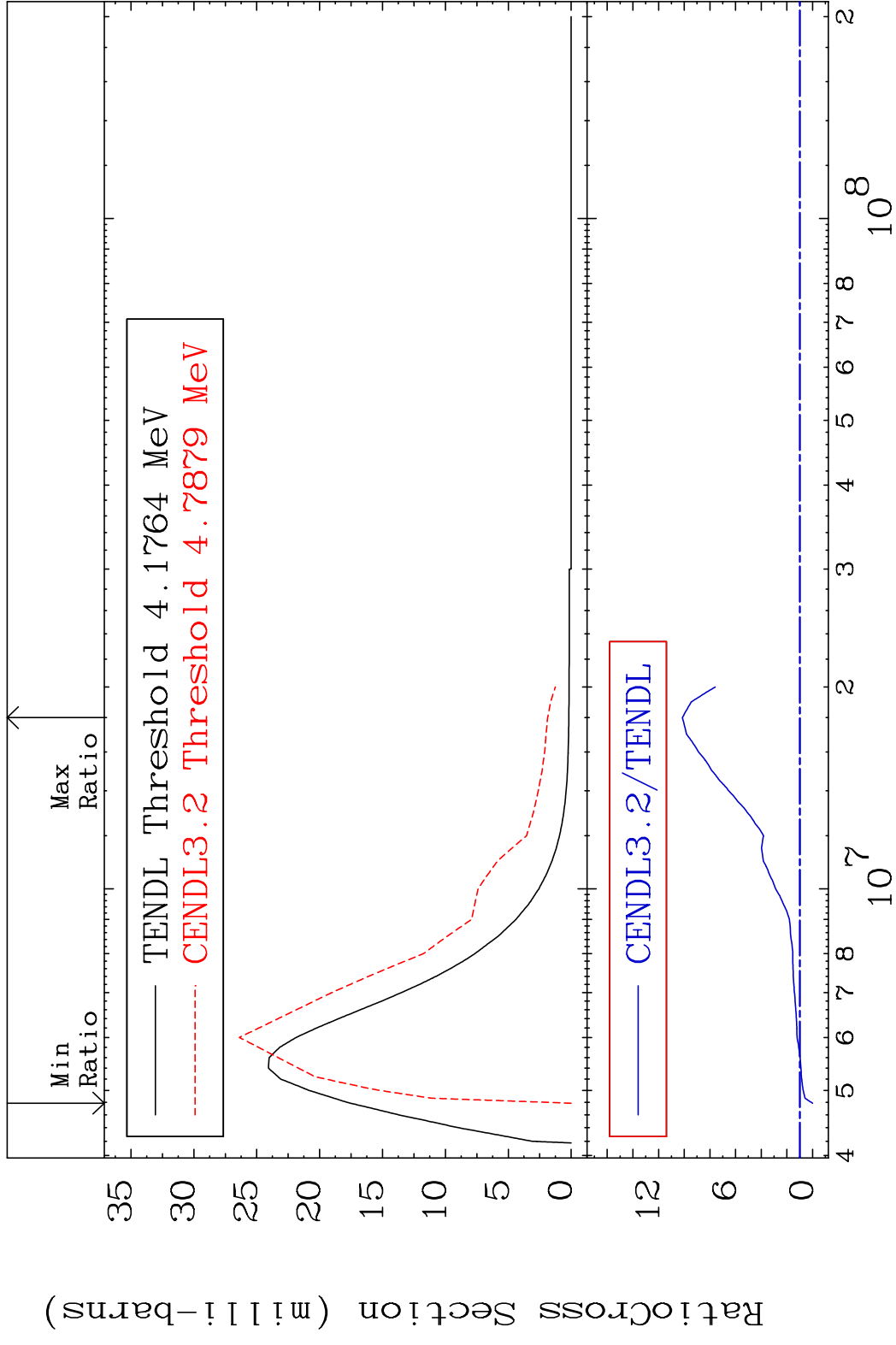


21 Incident Energy (eV) 26-Fe-54

MAT 2625 MT= 66 (n, n') Level 26-Fe-54  
 Cross Section -100.0 To 9999. %

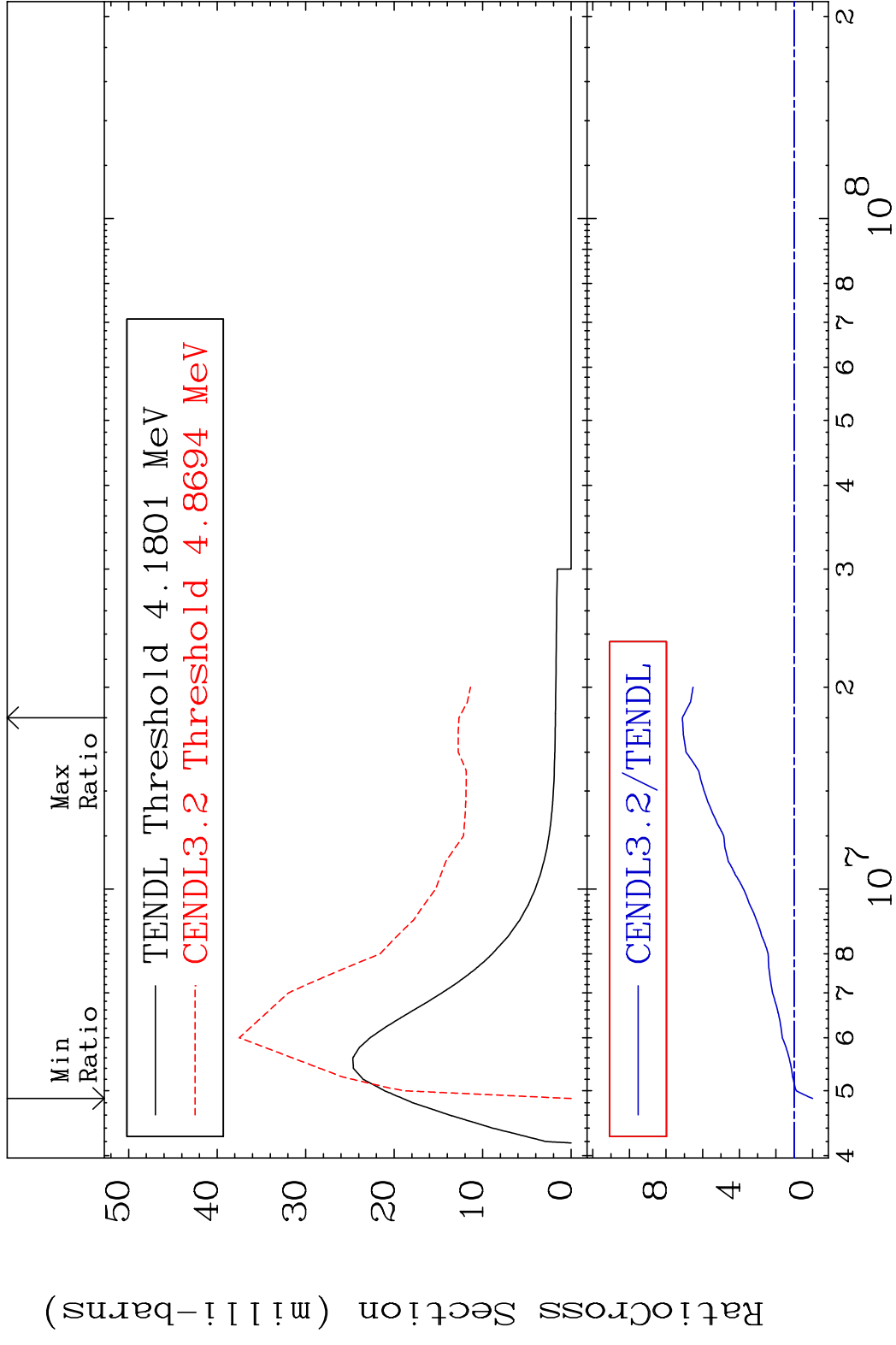


MAT 2625 MT= 67 (n, n') Level 26-Fe-54  
 Cross Section -100.0 To 914.6 %

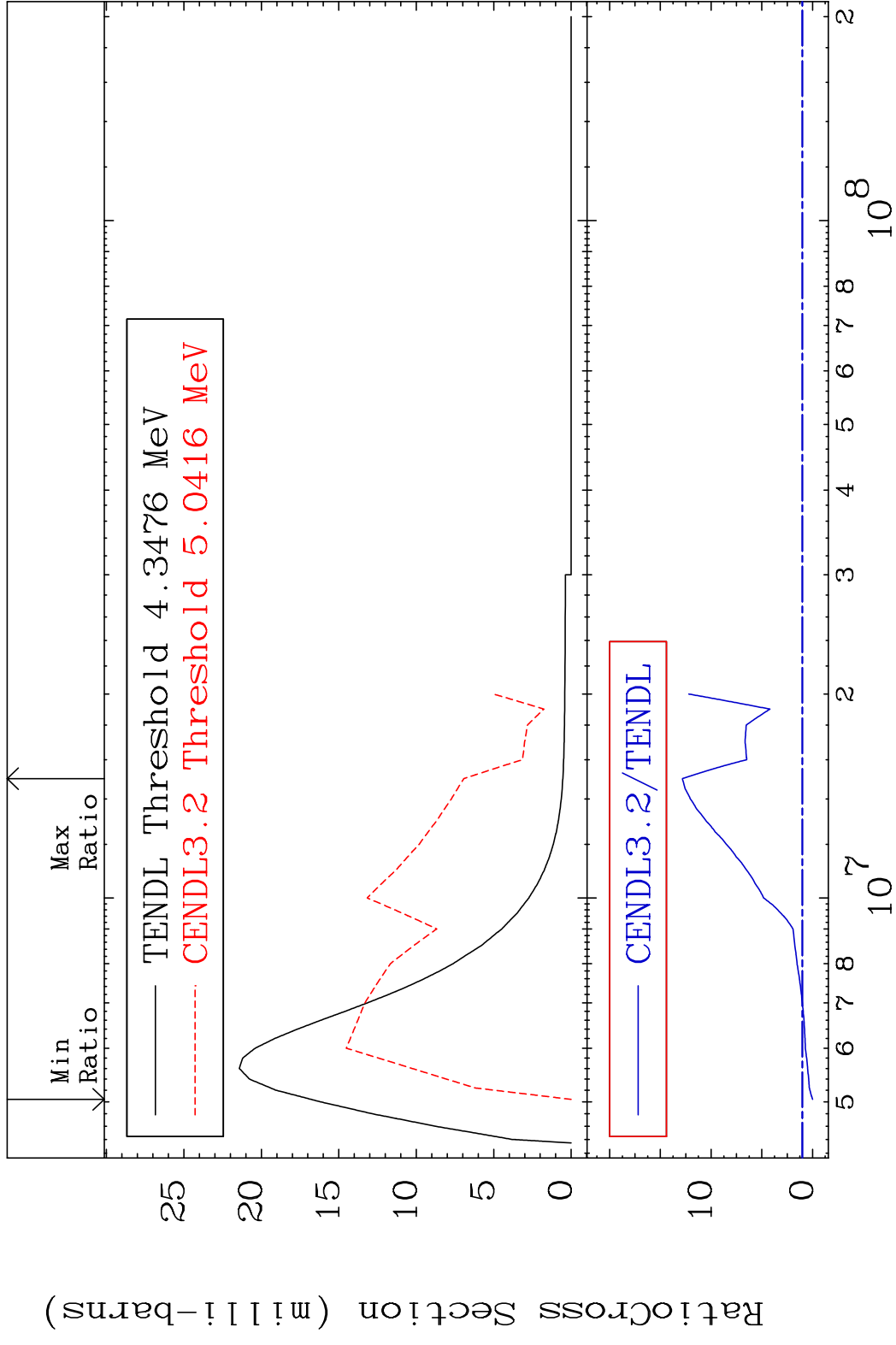




MAT 2625 MT= 68 (n, n') Level 26-Fe-54  
 Cross Section -100.0 To 610.9 %

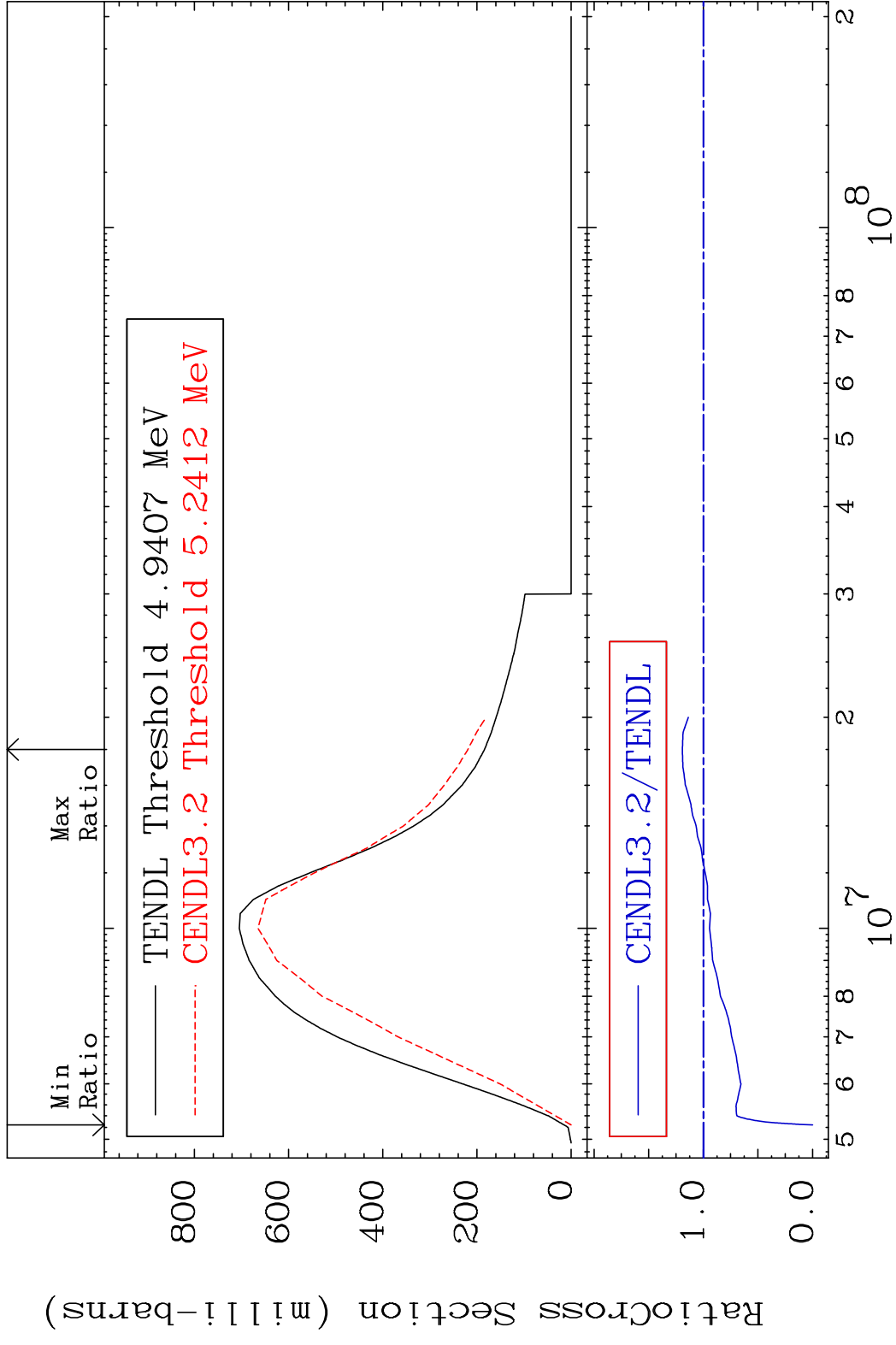


MAT 2625 MT= 69 (n, n') Level 26-Fe-54  
 Cross Section -100.0 To 1183. %



25 Incident Energy (eV) 26-Fe-54

MAT 2625 (n, n') Continuum <sup>26</sup>Fe-54  
 Cross Section -100.0 To 19.16 %



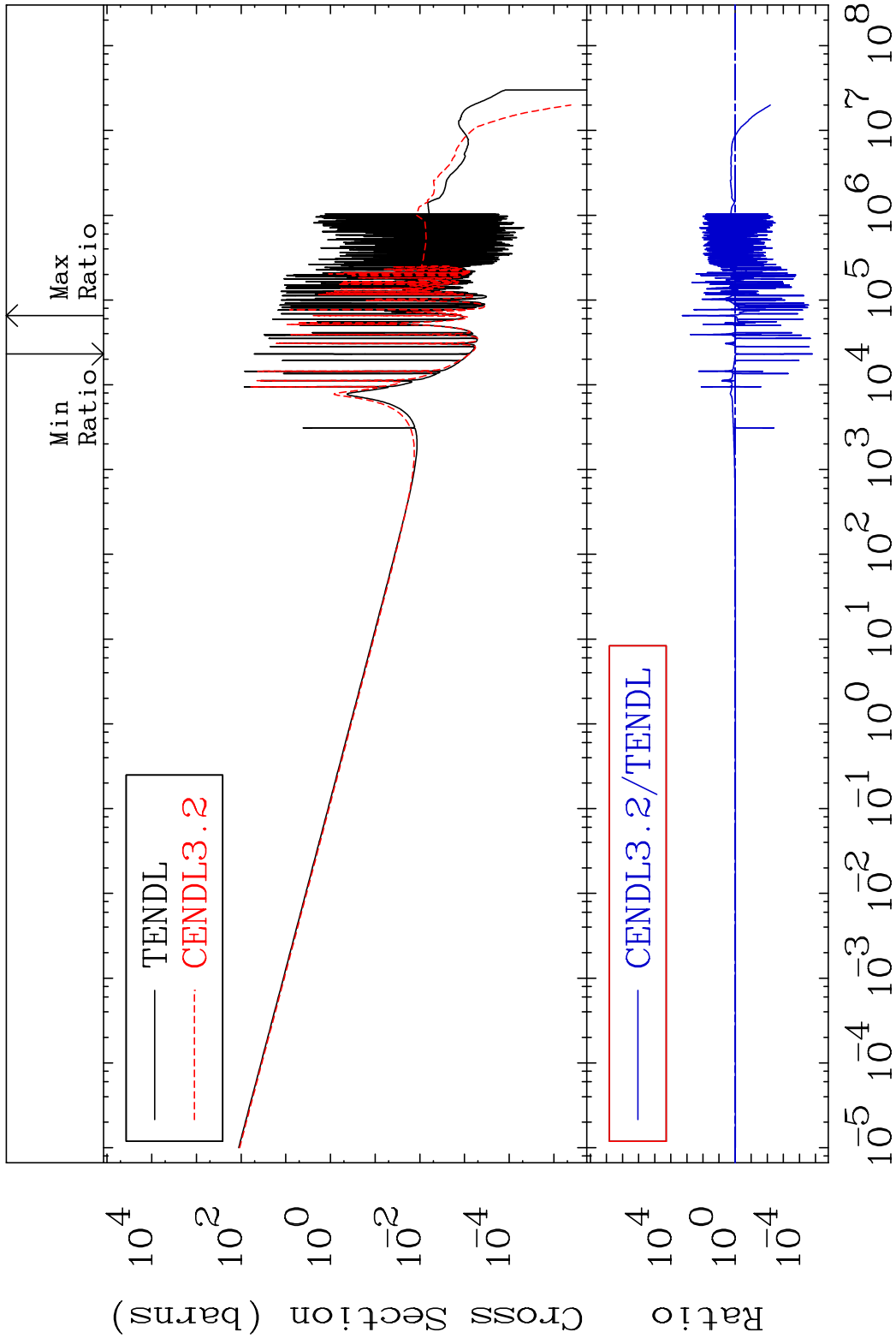
26 <sup>26</sup>Fe-54

MAT 2625

(n,  $\gamma$ )

<sup>26</sup>Fe-54

Cross Section -100.0 To 9999. %



27

Incident Energy (eV)

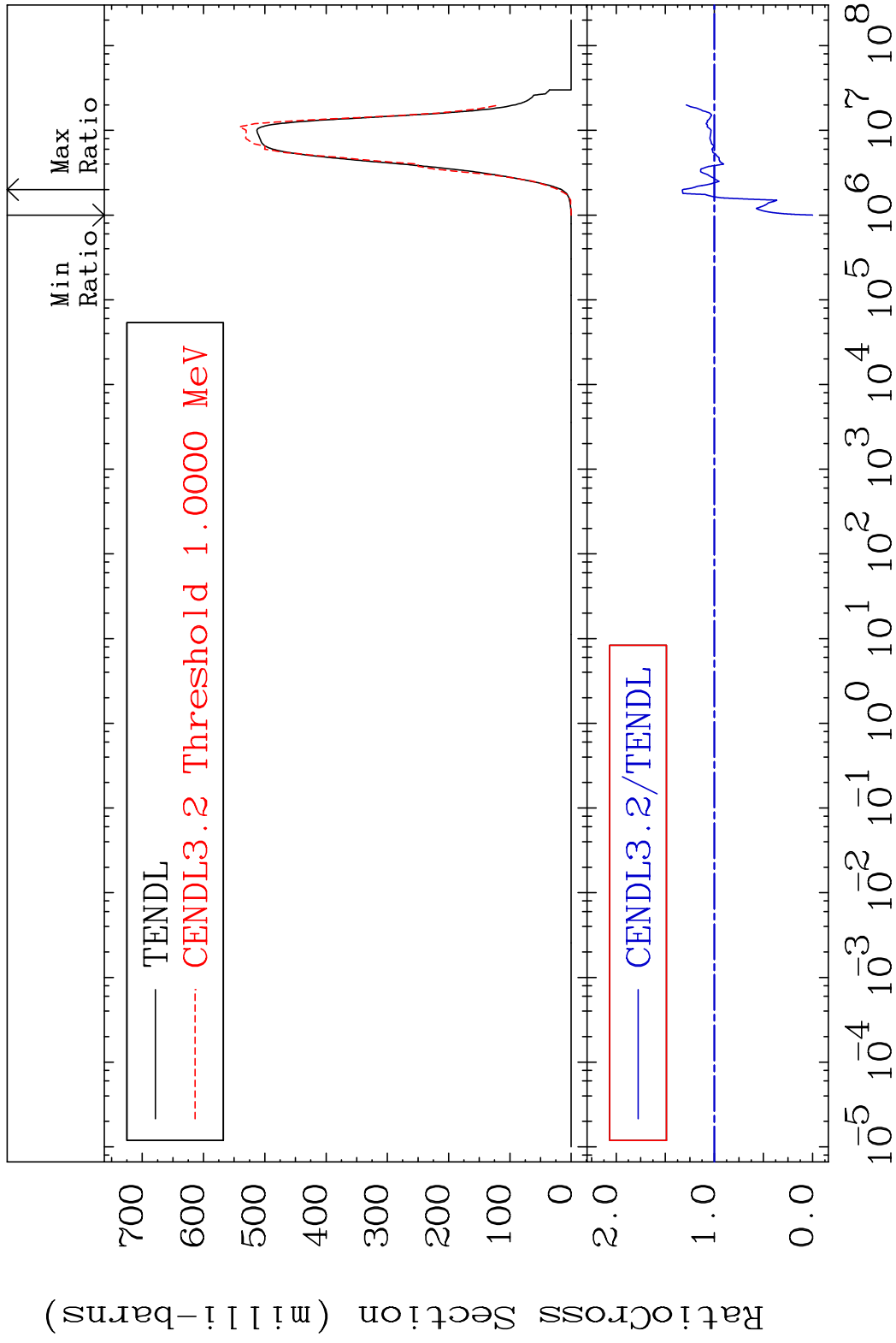
<sup>26</sup>Fe-54

MAT 2625

(n,p)

<sup>26</sup>Fe-54

Cross Section -100.0 To 32.59 %



28

Incident Energy (eV)

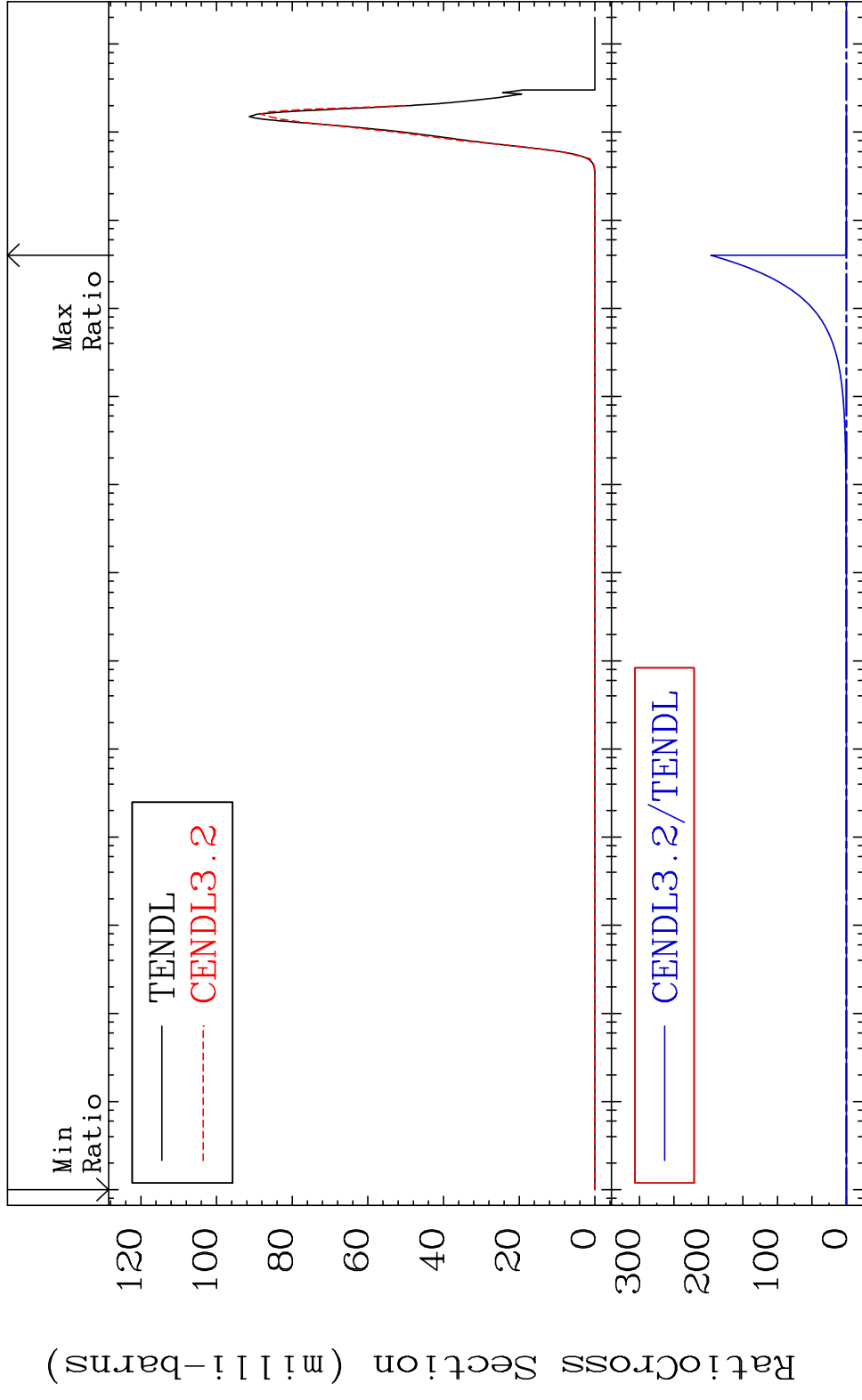
<sup>26</sup>Fe-54

MAT 2625

(n,  $\alpha$ )

26-Fe-54

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

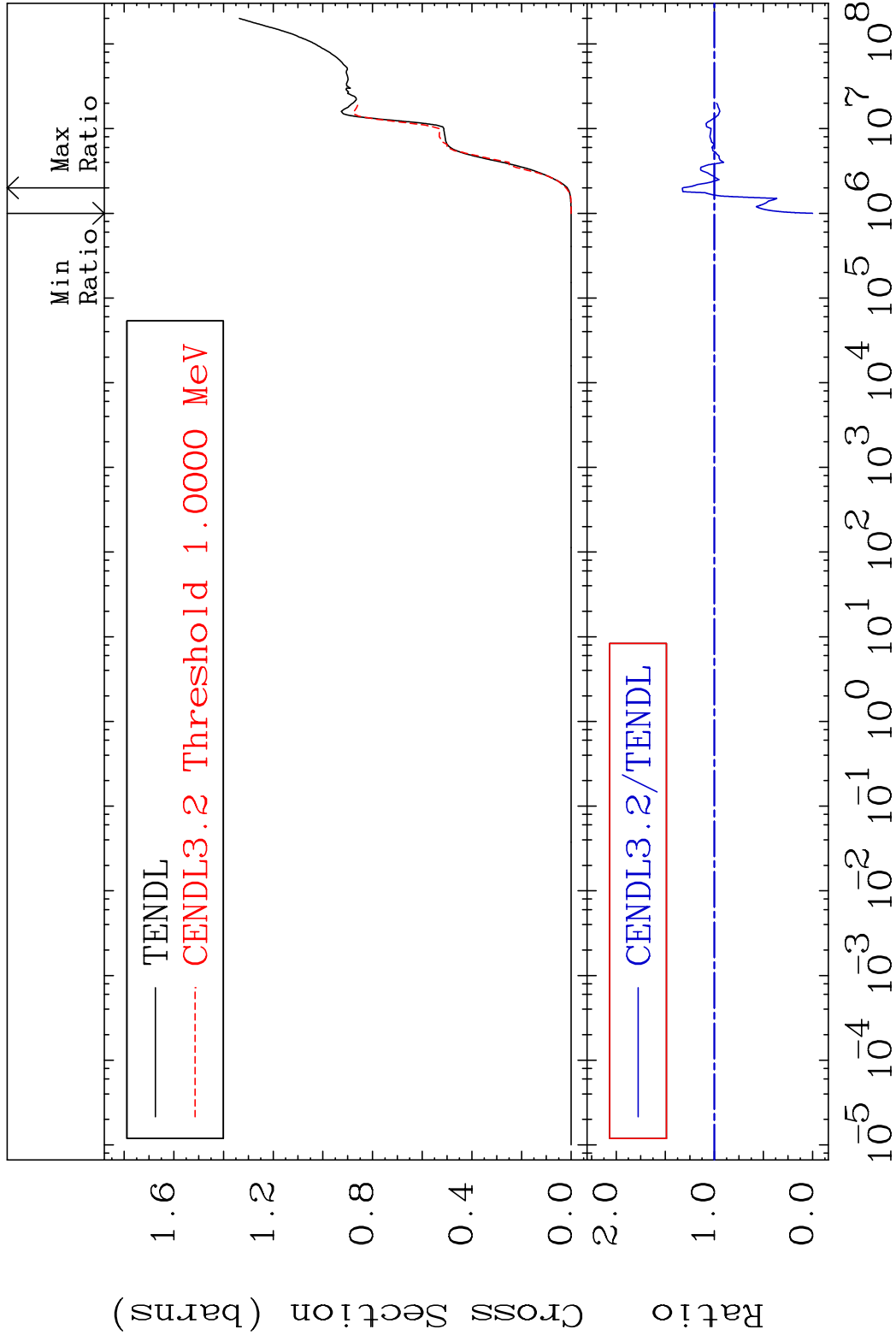
26-Fe-54

MAT 2625

Hydrogen Production

<sup>26</sup>Fe-54

Cross Section -100.0 To 32.59 %

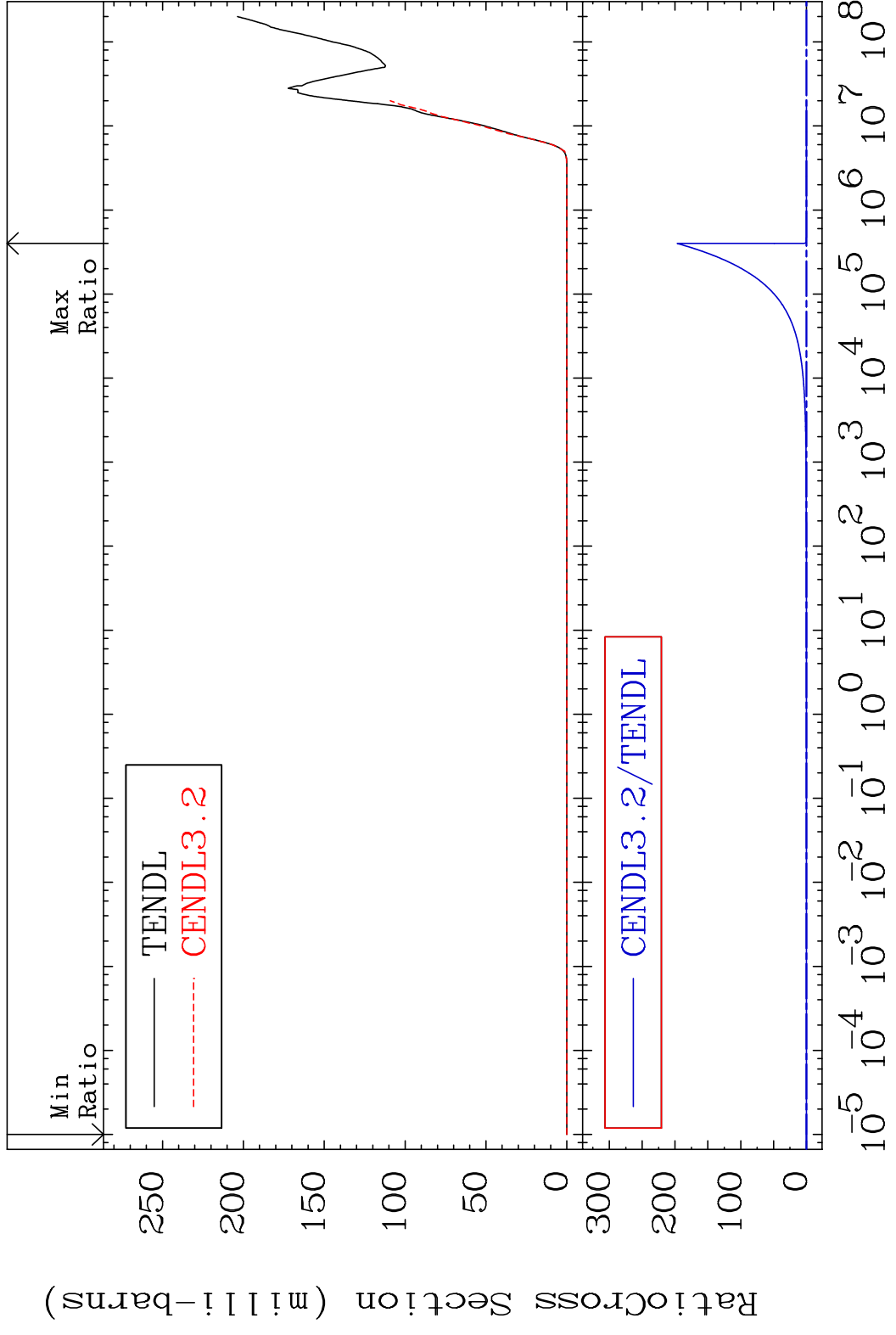


30

Incident Energy (eV)

<sup>26</sup>Fe-54

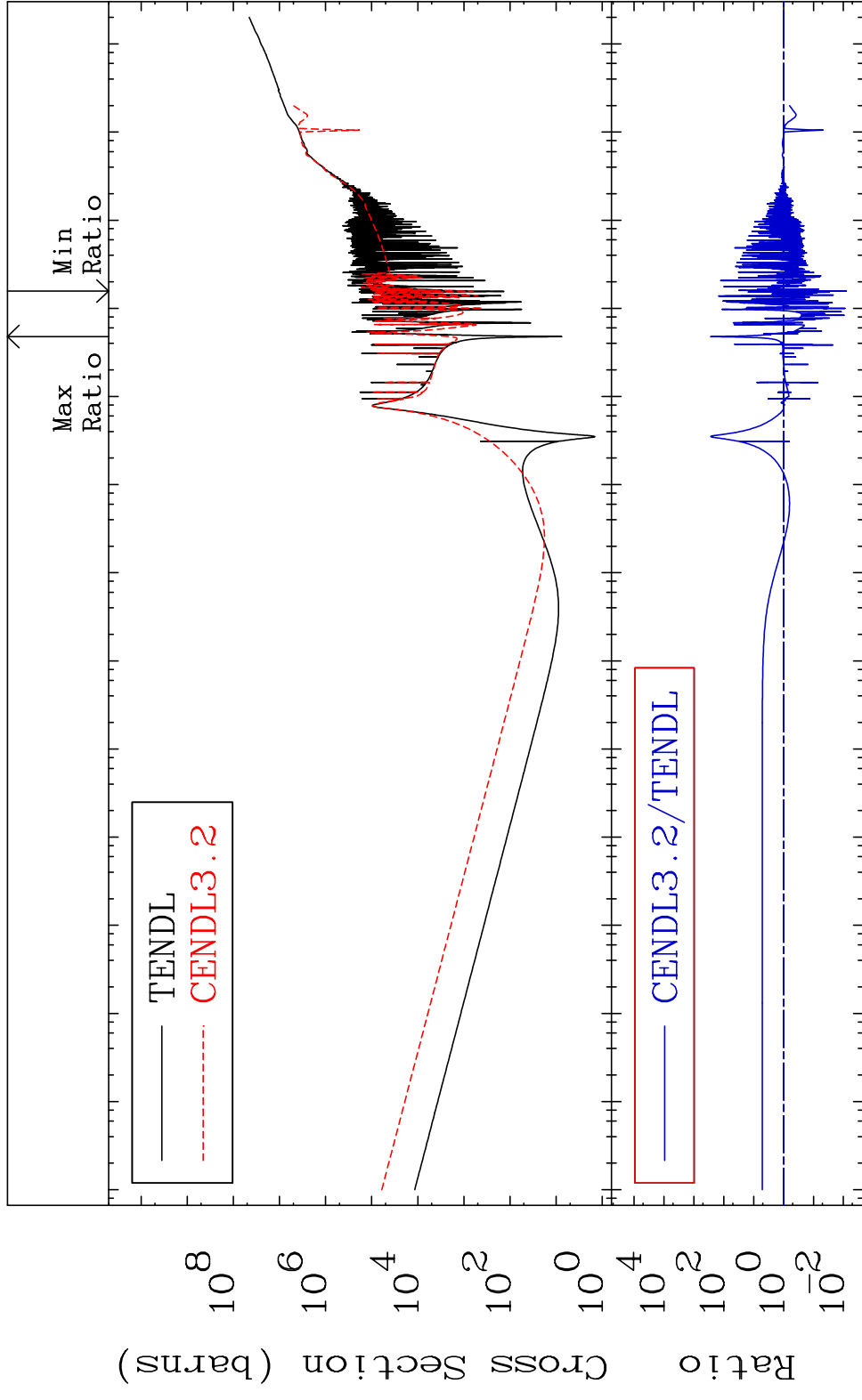
MAT 2625 He-4 Production 26-Fe-54  
 Cross Section -100.0 To 9999. %



31 Incident Energy (eV) 26-Fe-54



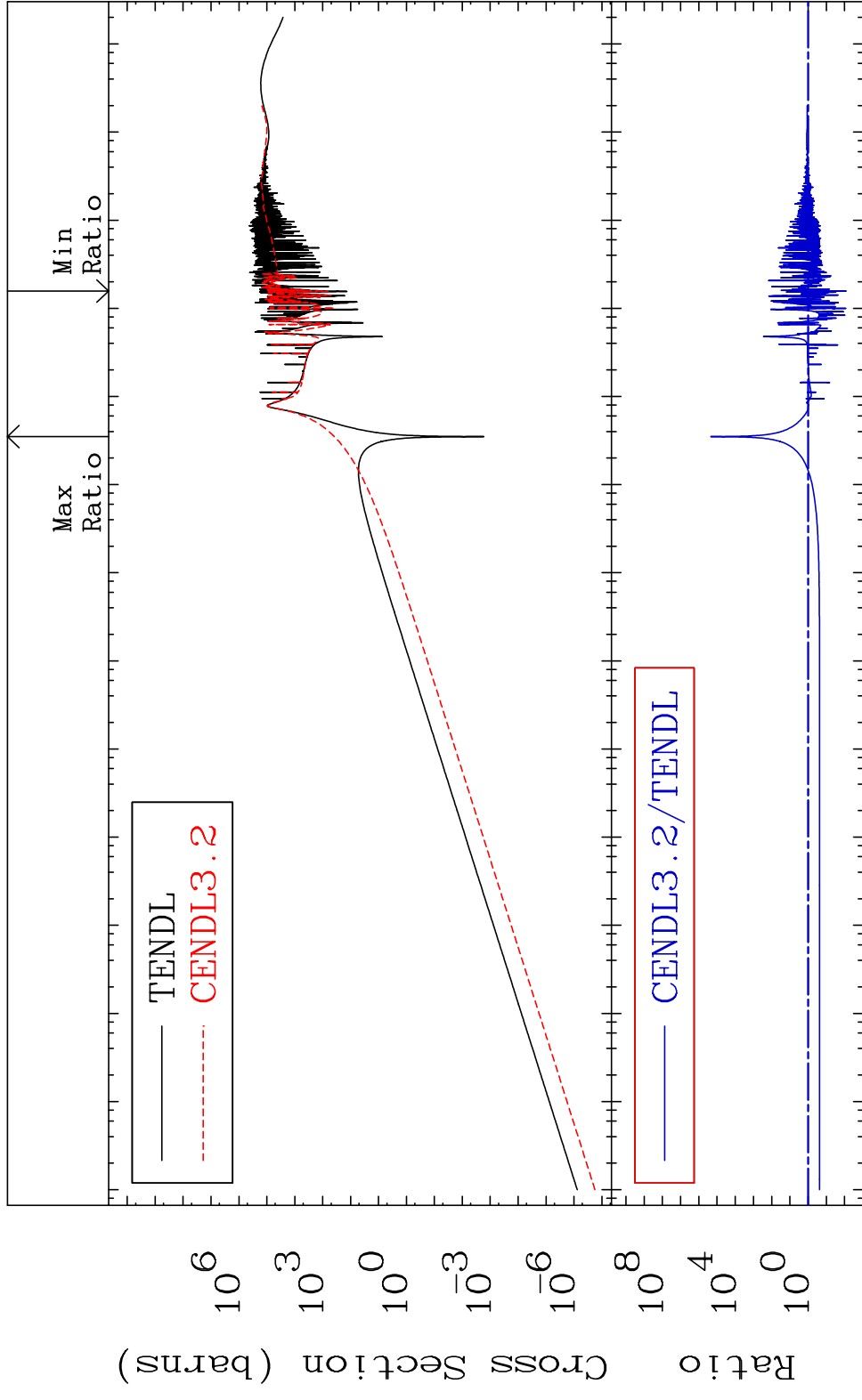
MAT 2625 Kerma total (eV-barns) 26-Fe-54  
 Cross Section -99.20 To 9999. %



32 Incident Energy (eV) 26-Fe-54

MAT 2625

Kerma elastic Cross Section -99.20 To 9999. %  
26-Fe-54

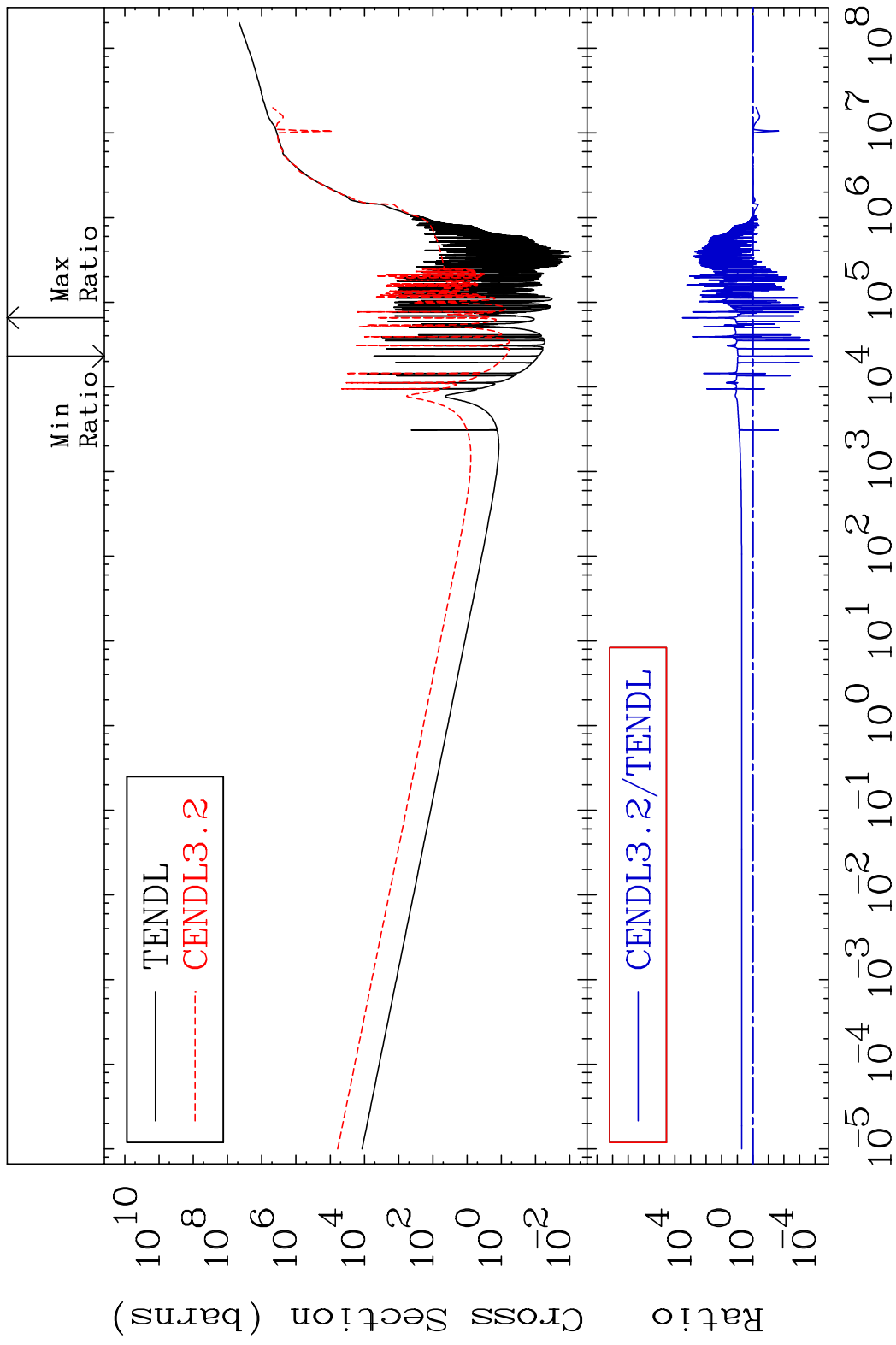


33

Incident Energy (eV)

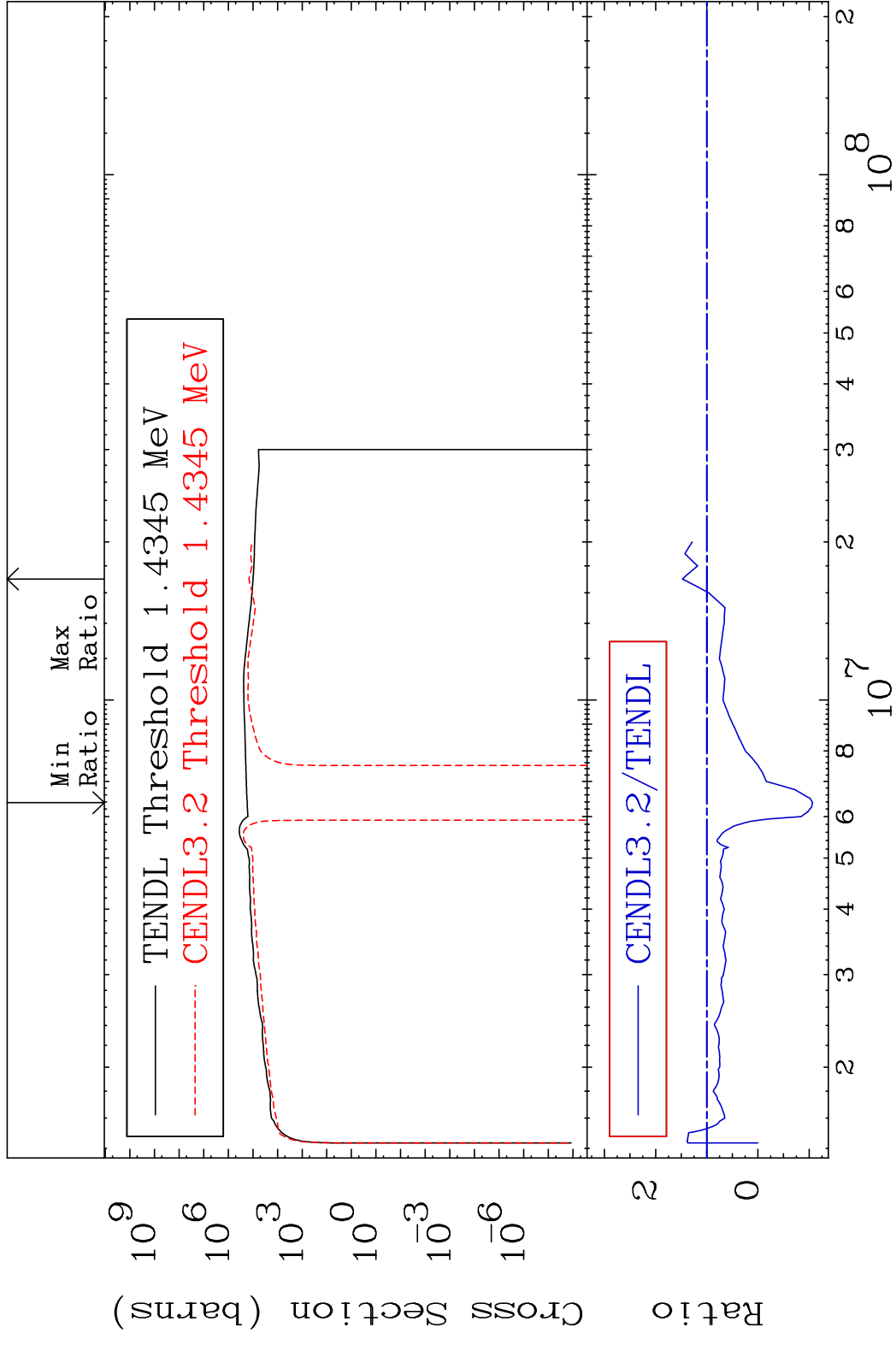
26-Fe-54

MAT 2625 Kerma non-elastic (all but mt2) 26-Fe-54  
 Cross Section -99.99 To 9999. %

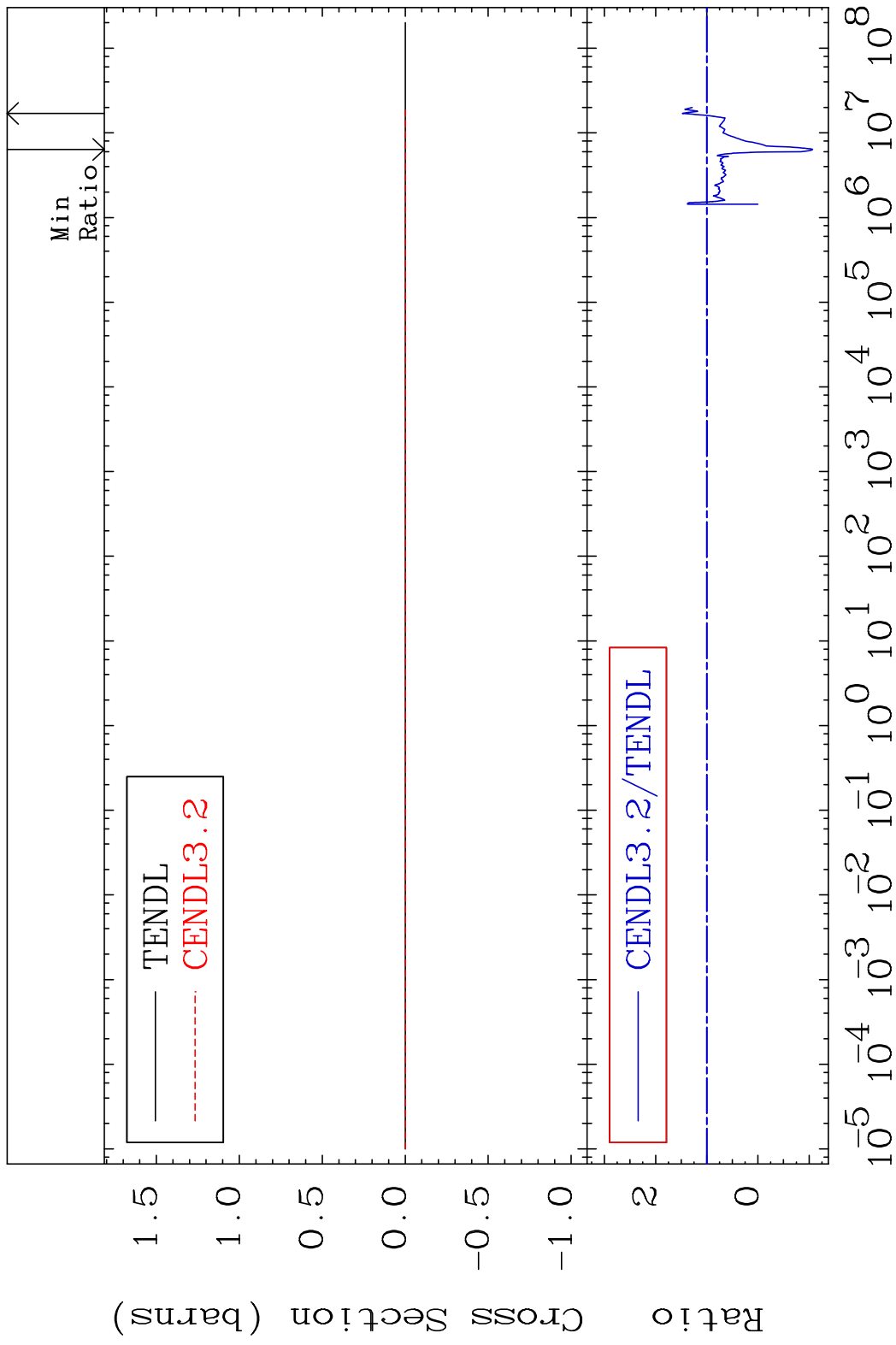


34 Incident Energy (eV) 26-Fe-54

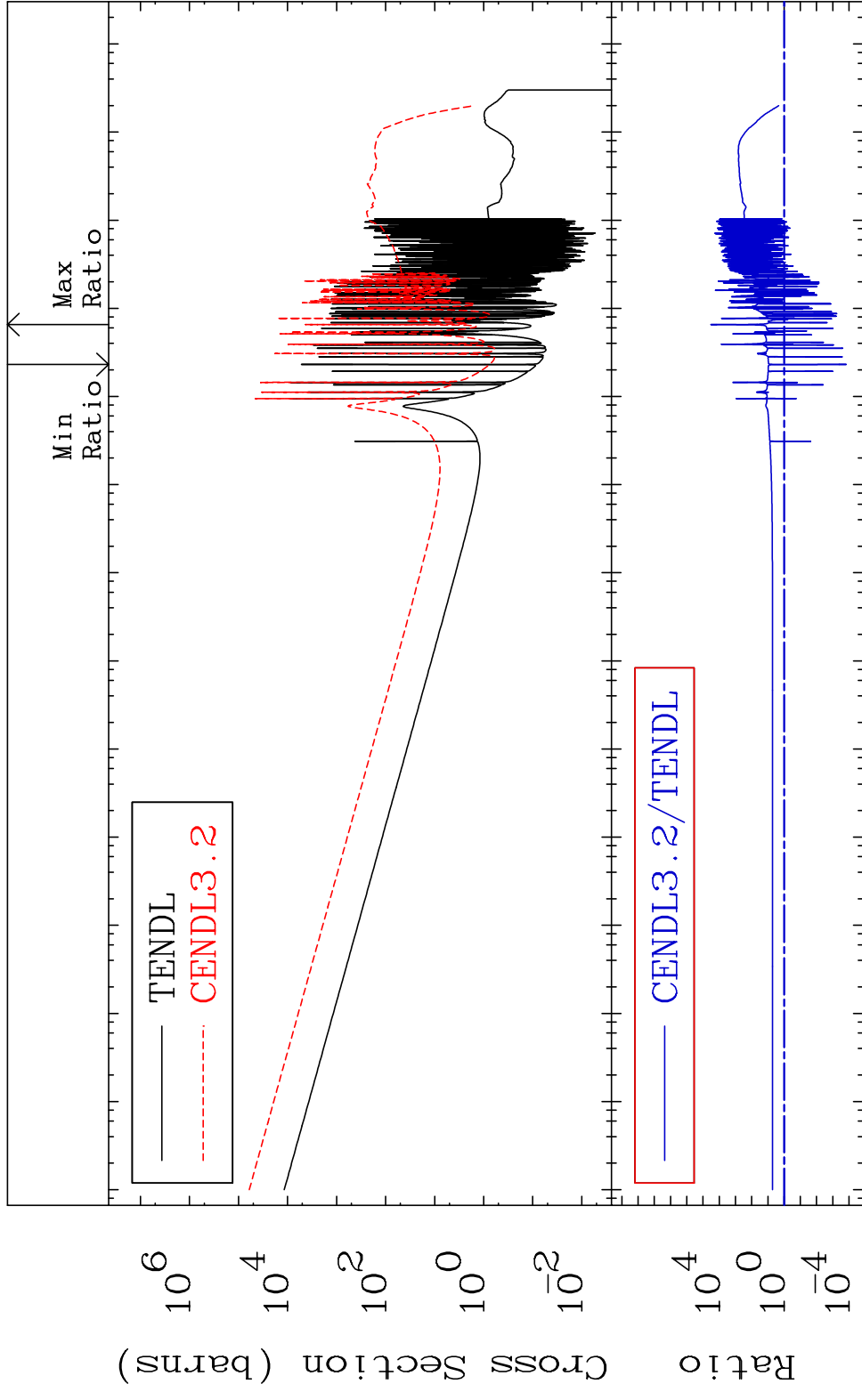
MAT 2625 Kerma inelastic (mt51-91) 26-Fe-54  
 Cross Section -206.8 To 47.73 %



MAT 2625 Kerma fission (mt18 or mt19-20-21-38) 26-Fe-54  
 Cross Section -206.8 To 47.73 %

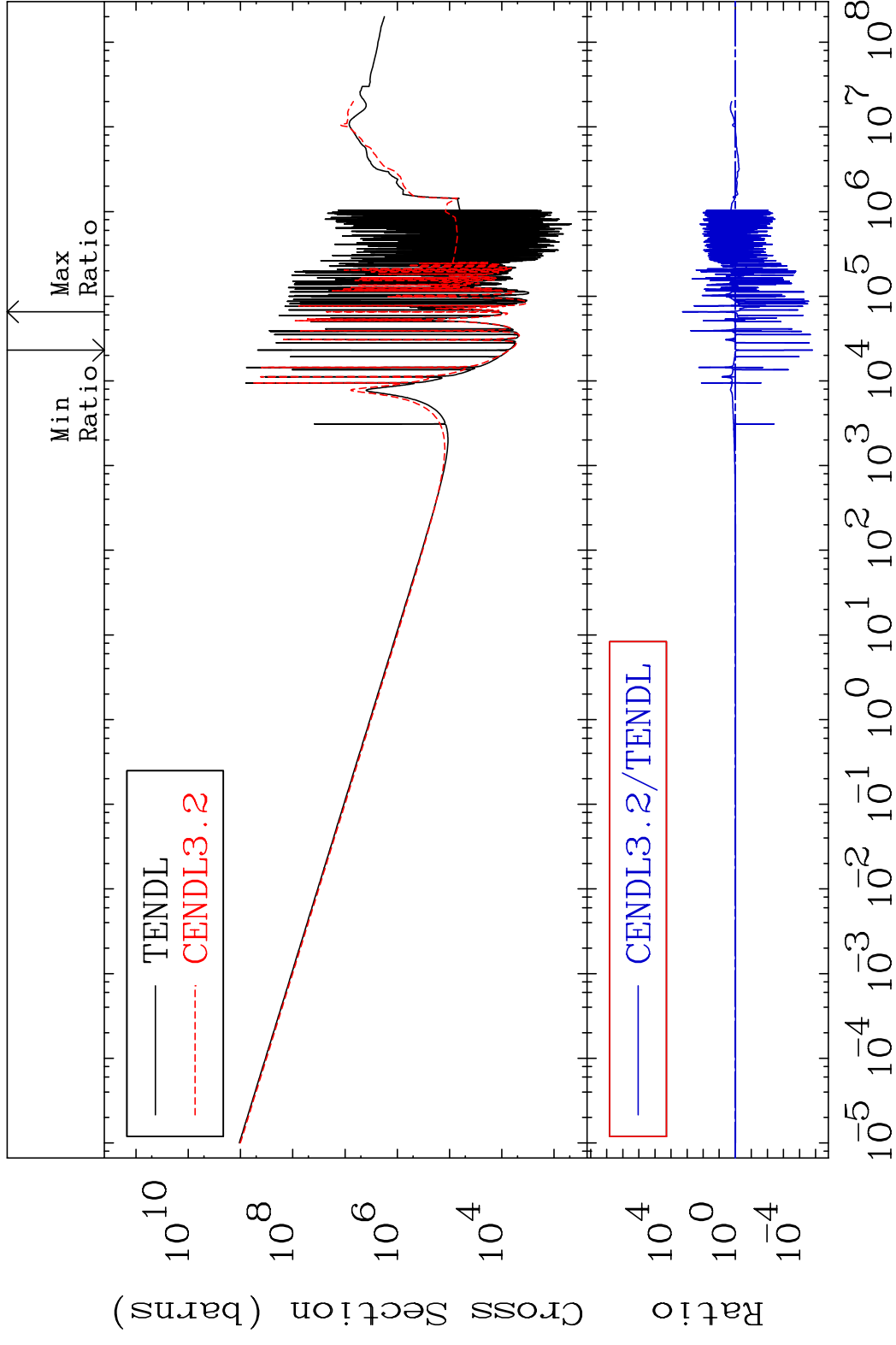


MAT 2625 Kerma capture (mt102) 26-Fe-54  
 Cross Section -99.99 To 9999. %

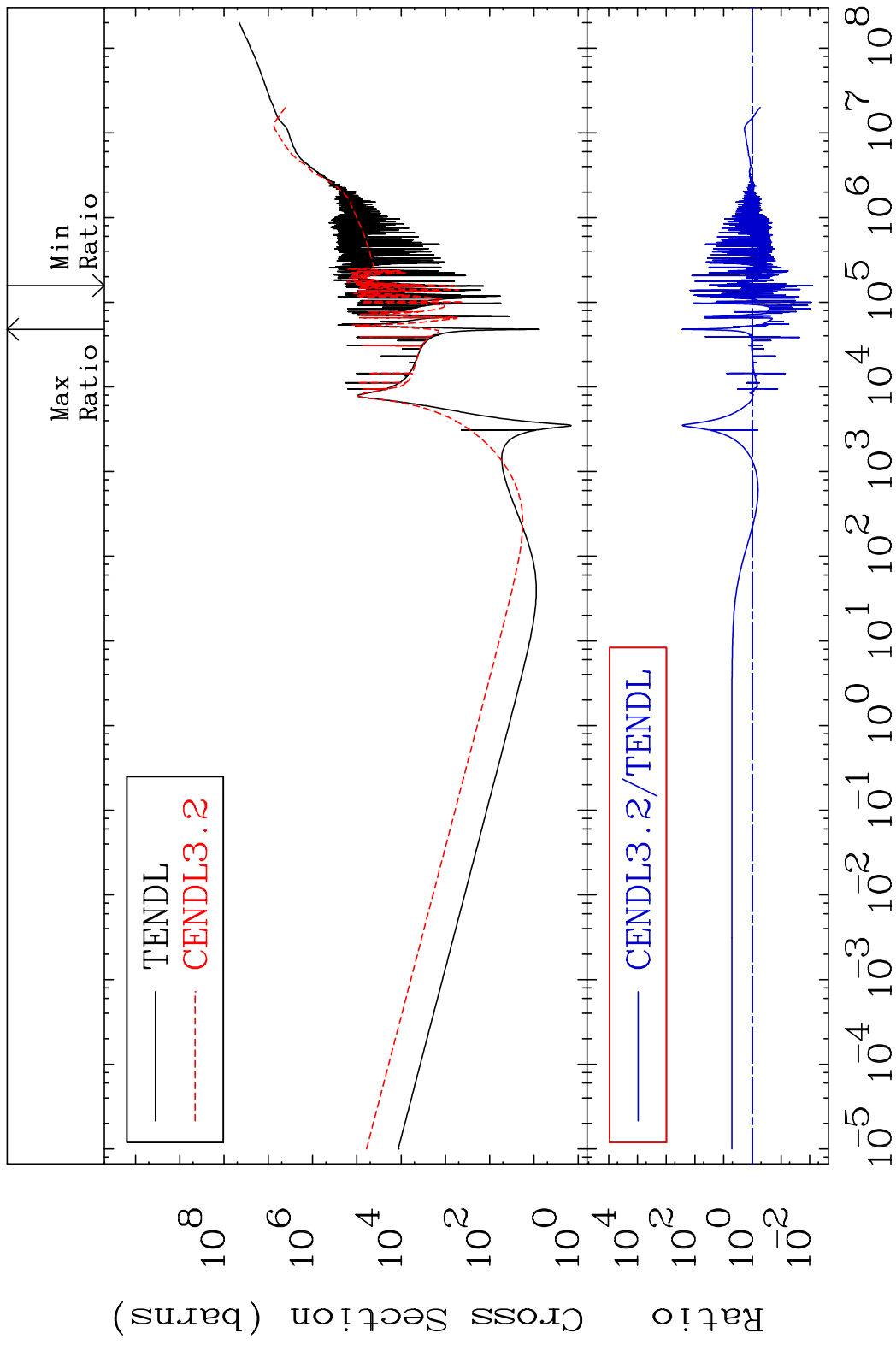


37 Incident Energy (eV) 26-Fe-54

MAT 2625 Total photon (eV-barns) 26-Fe-54  
 Cross Section -100.0 To 9999. %

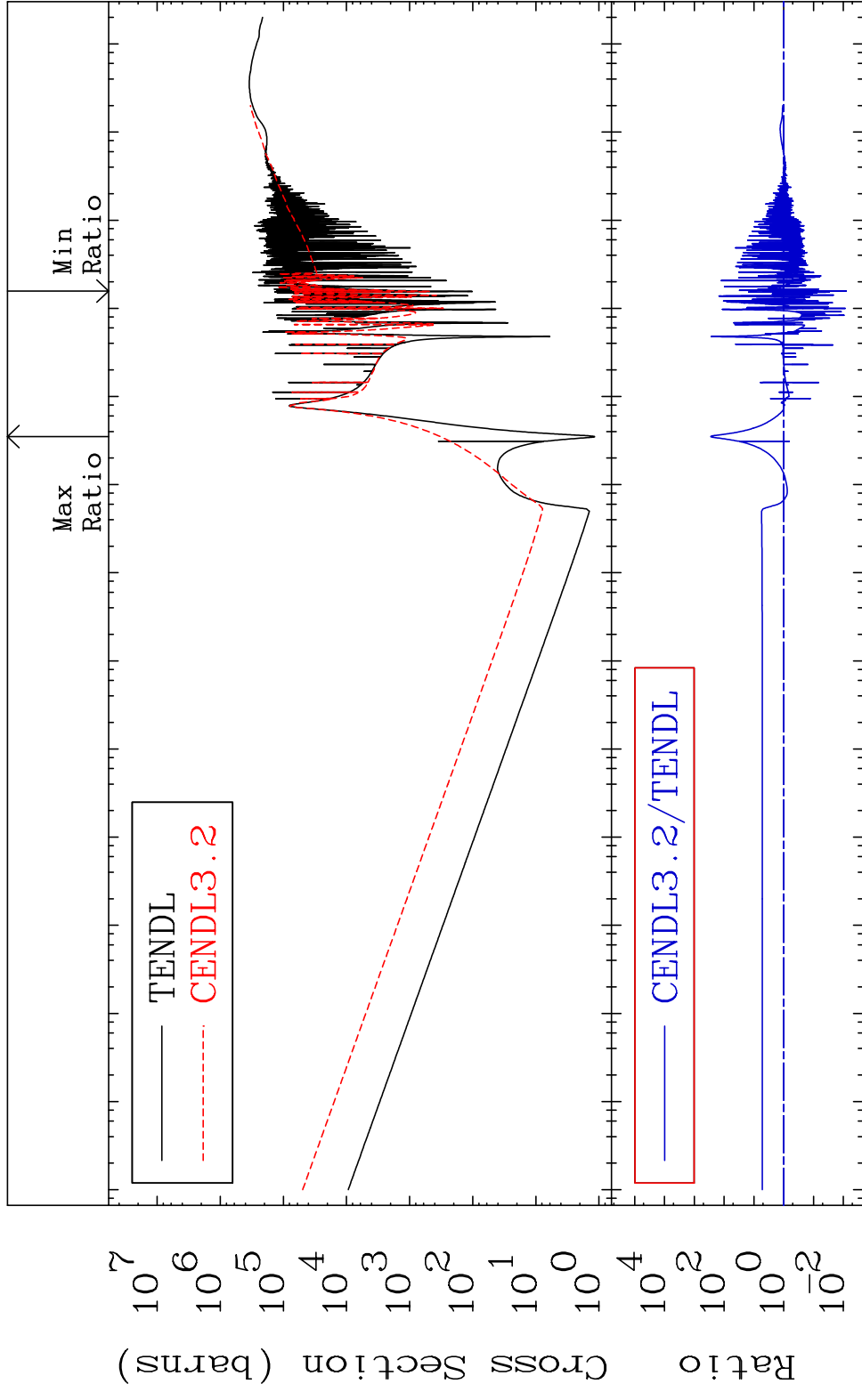


MAT 2625 Total kinematic kerma (high limit) 26-Fe-54  
 Cross Section -99.20 To 9999. %



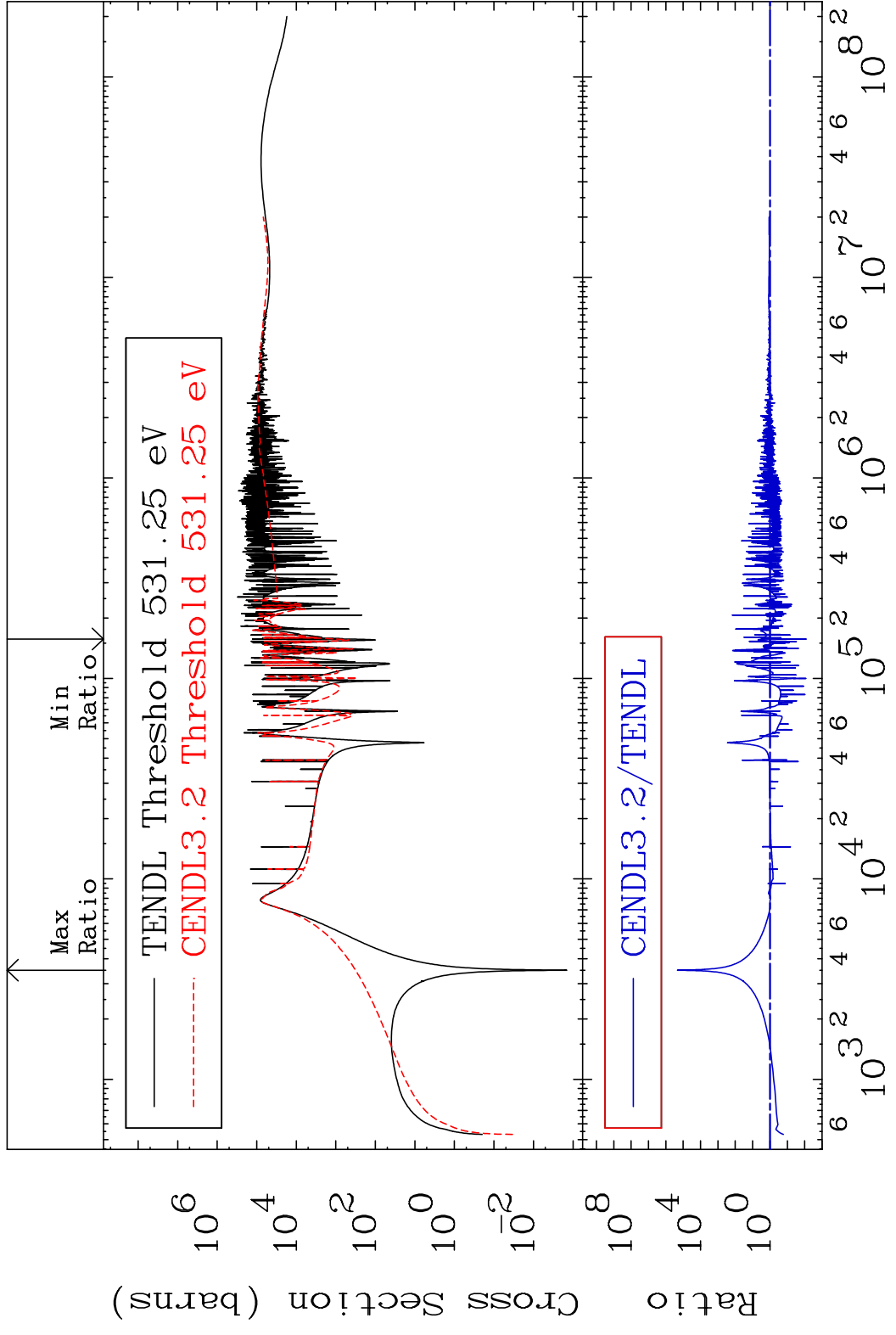


MAT 2625      Dpa total (eV-barns)      26-Fe-54  
 Cross Section      -99.20 To 9999. %

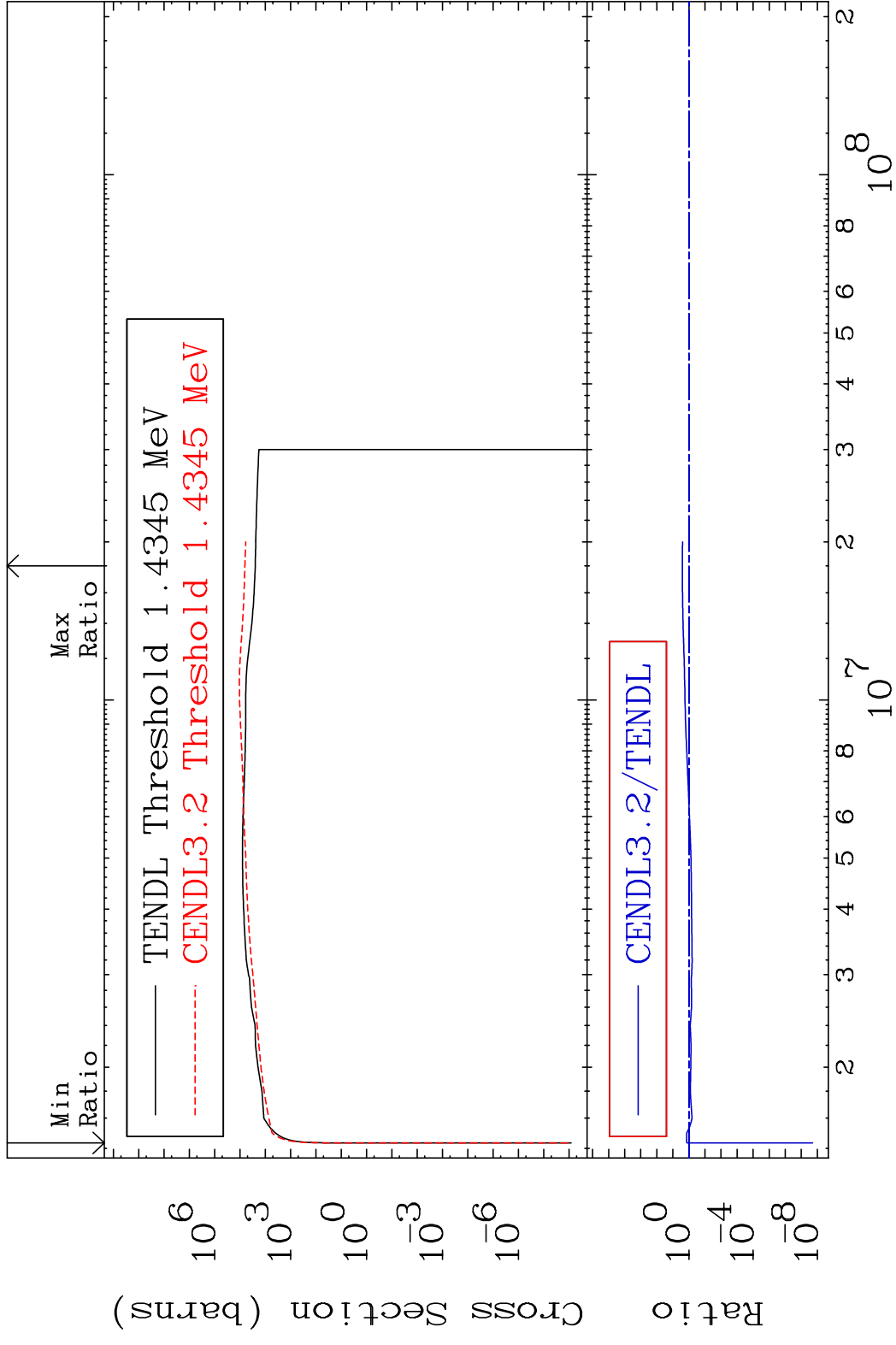


40      Incident Energy (eV)      26-Fe-54

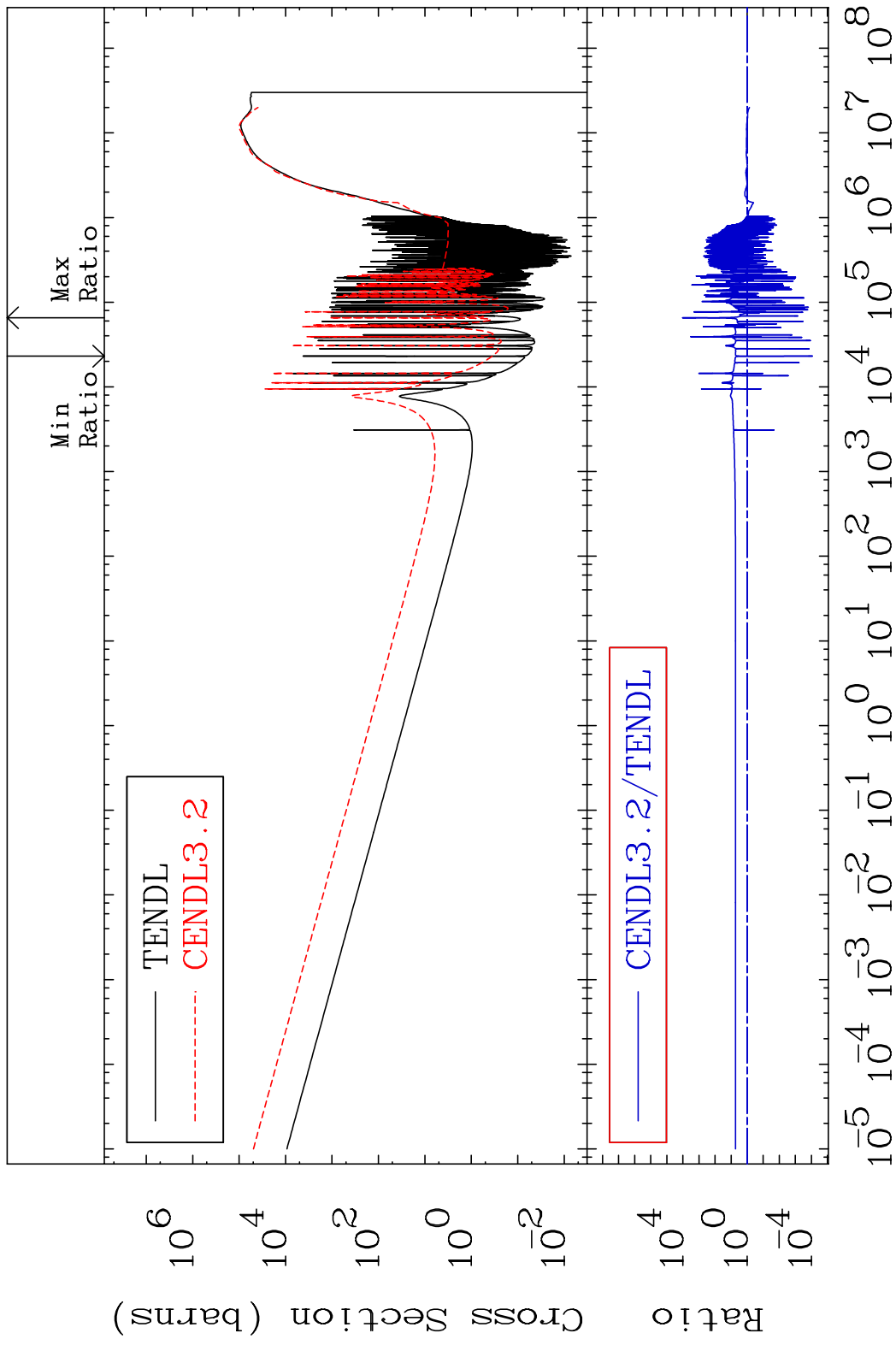
MAT 2625 Dpa elastic (mt2) 26-Fe-54  
 Cross Section -99.20 To 9999. %



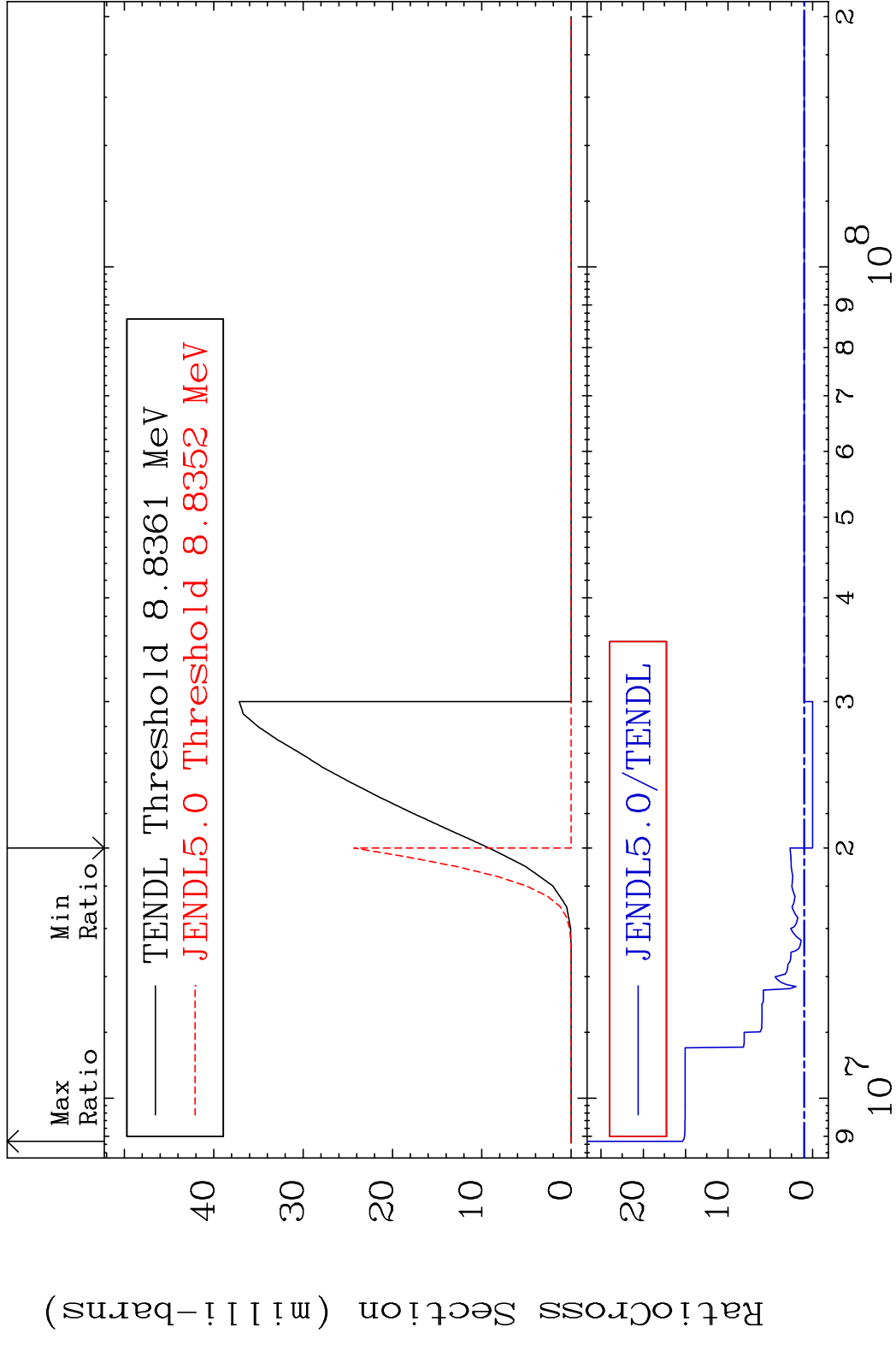
MAT 2625    Dpa inelastic (mt51-91)    <sup>26</sup>Fe-54  
 Cross Section    -100.0 To 155.7 %



MAT 2625 Dpa disappearance (mt102 -120) 26-Fe-54  
 Cross Section -99.99 To 9999. %

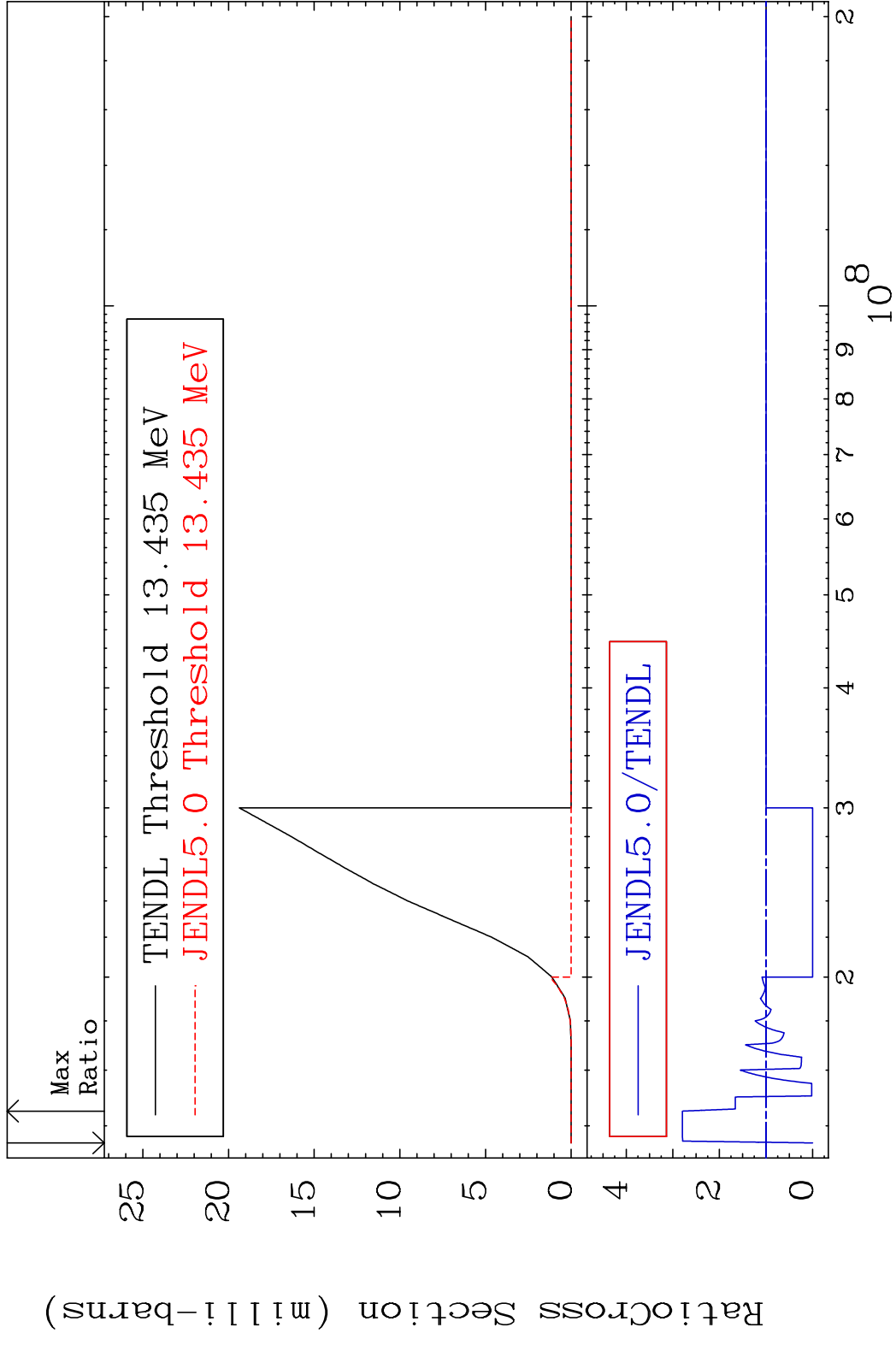


MAT 2625 (n,p)  $\alpha$   $^{26}\text{Fe-54}$   
 Cross Section -100.0 To 1438. %



44  $^{26}\text{Fe-54}$

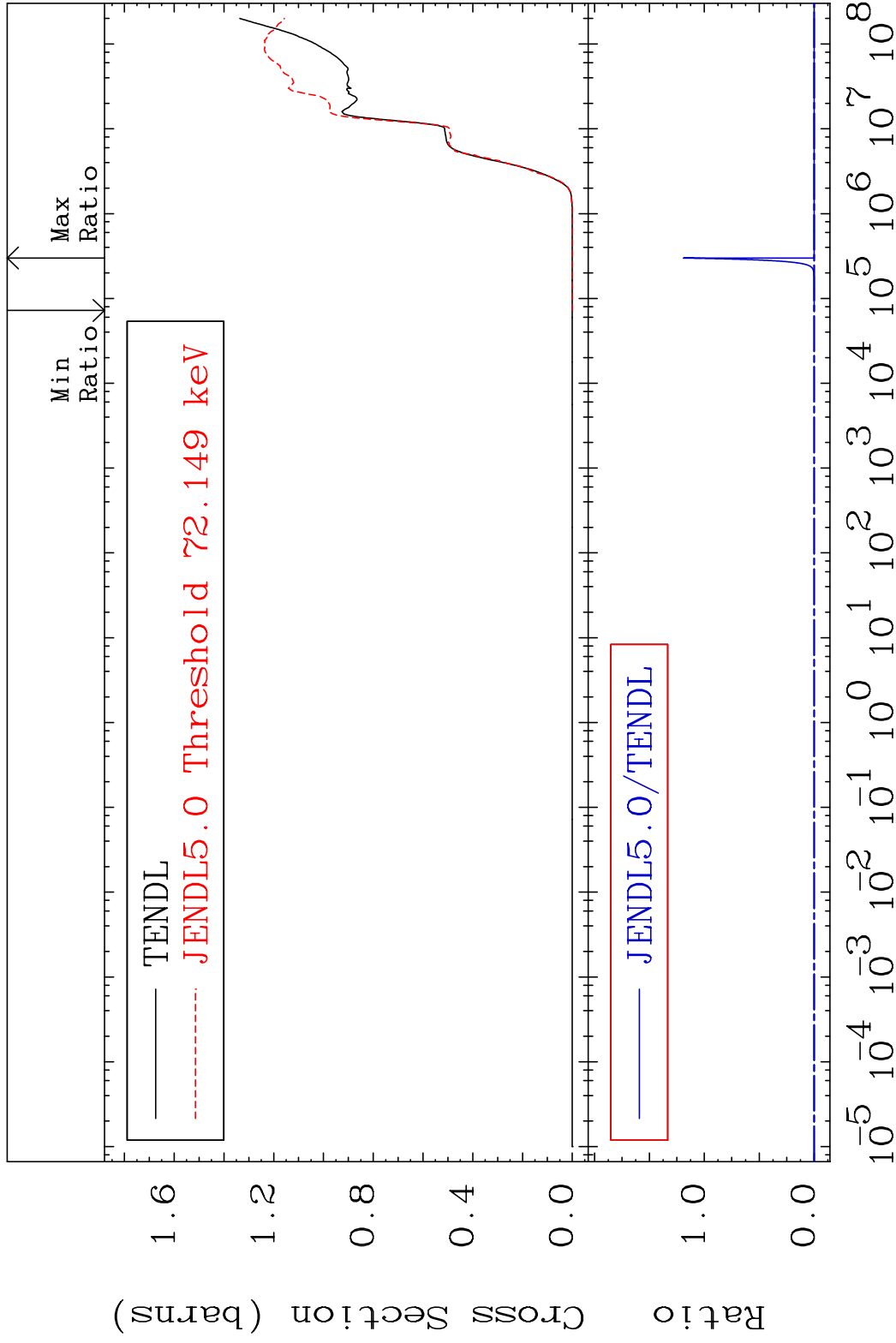
MAT 2625 (n,p) d <sup>26</sup>Fe-54  
 Cross Section -100.0 To 179.5 %



MAT 2625

Hydrogen Production 26-Fe-54

Cross Section -100.0 To 9999. %

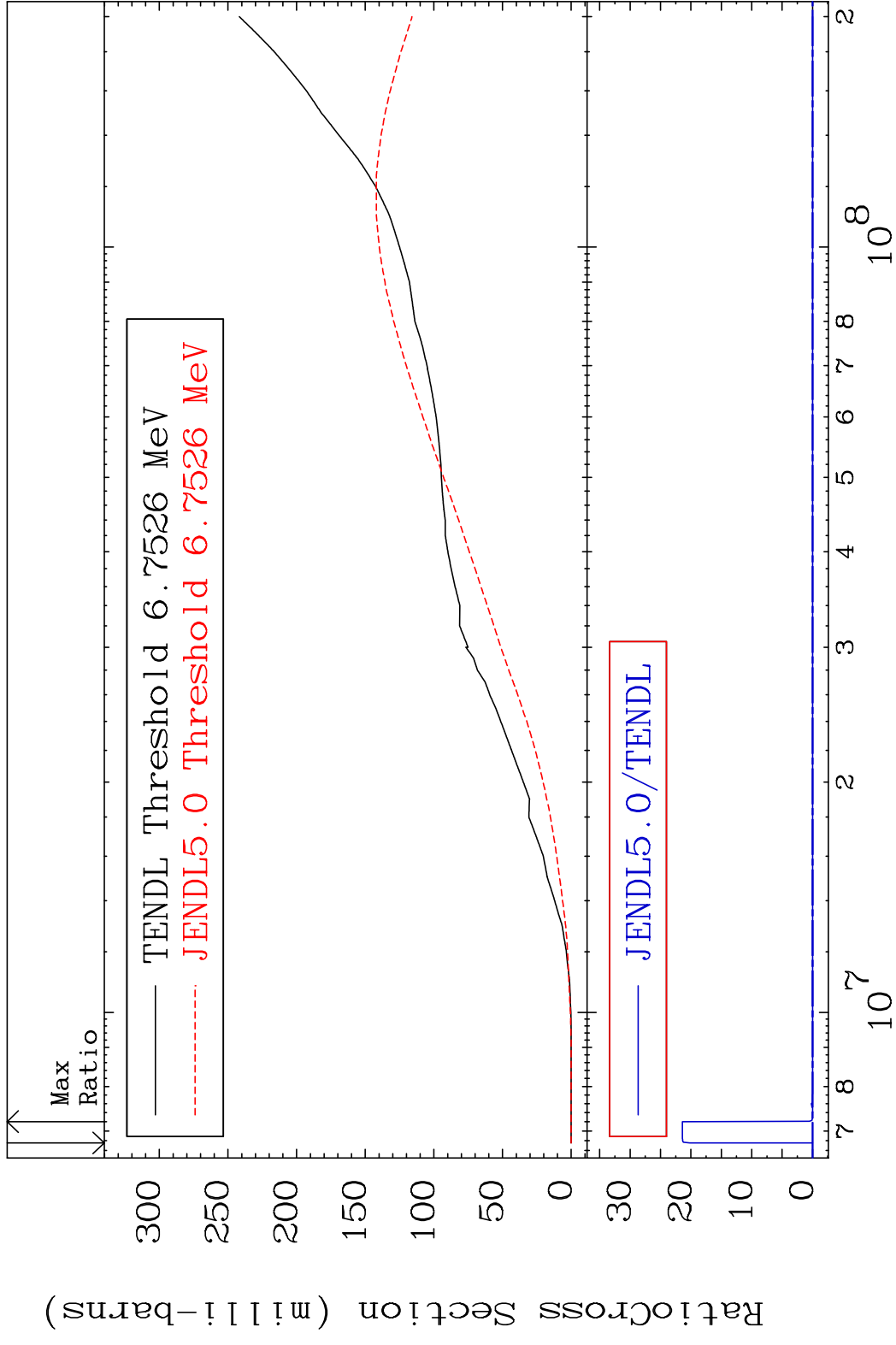


46

Incident Energy (eV)

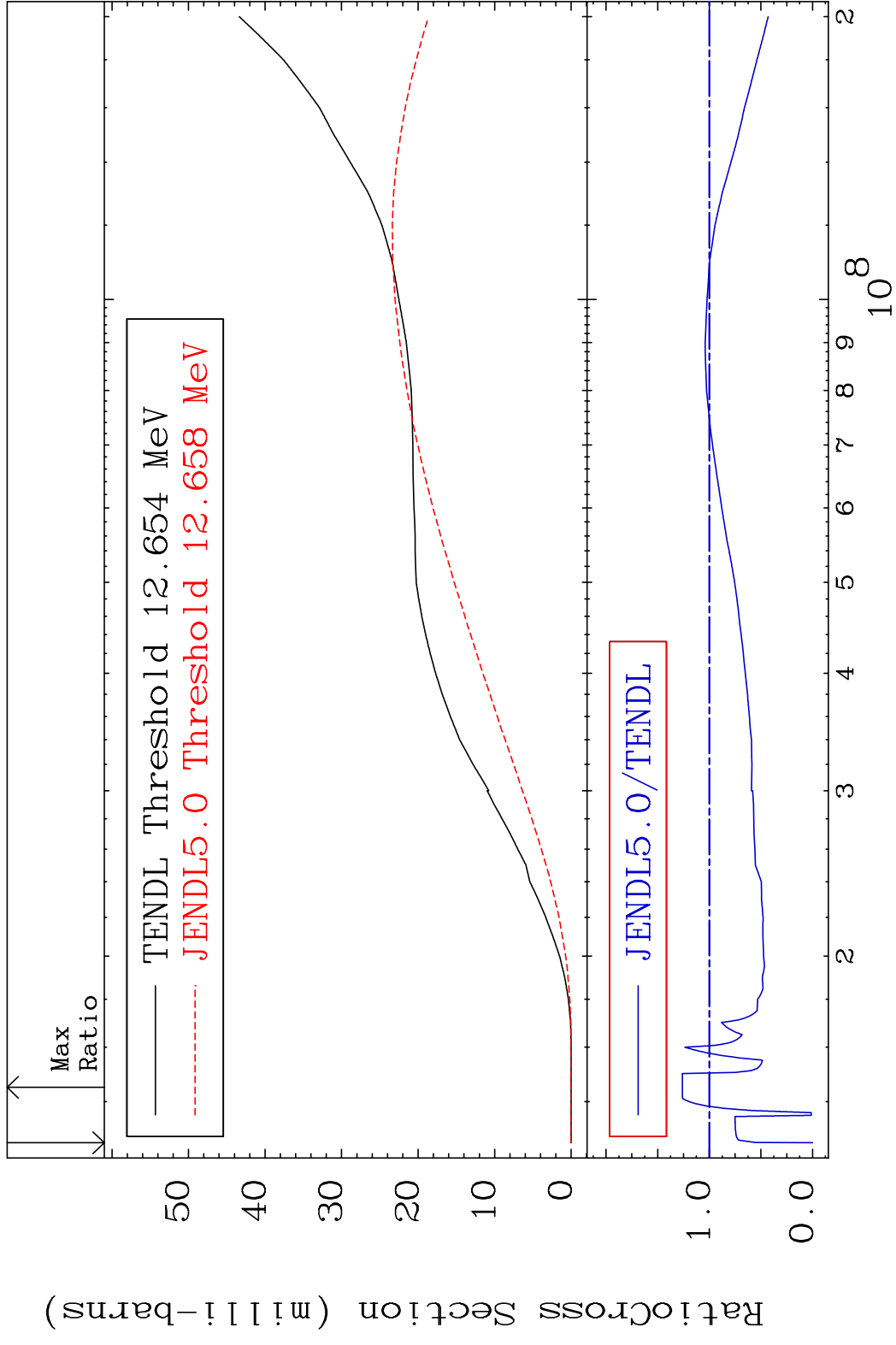
26-Fe-54

MAT 2625 Deuterium Production 26-Fe-54  
 Cross Section -100.0 To 9999. %

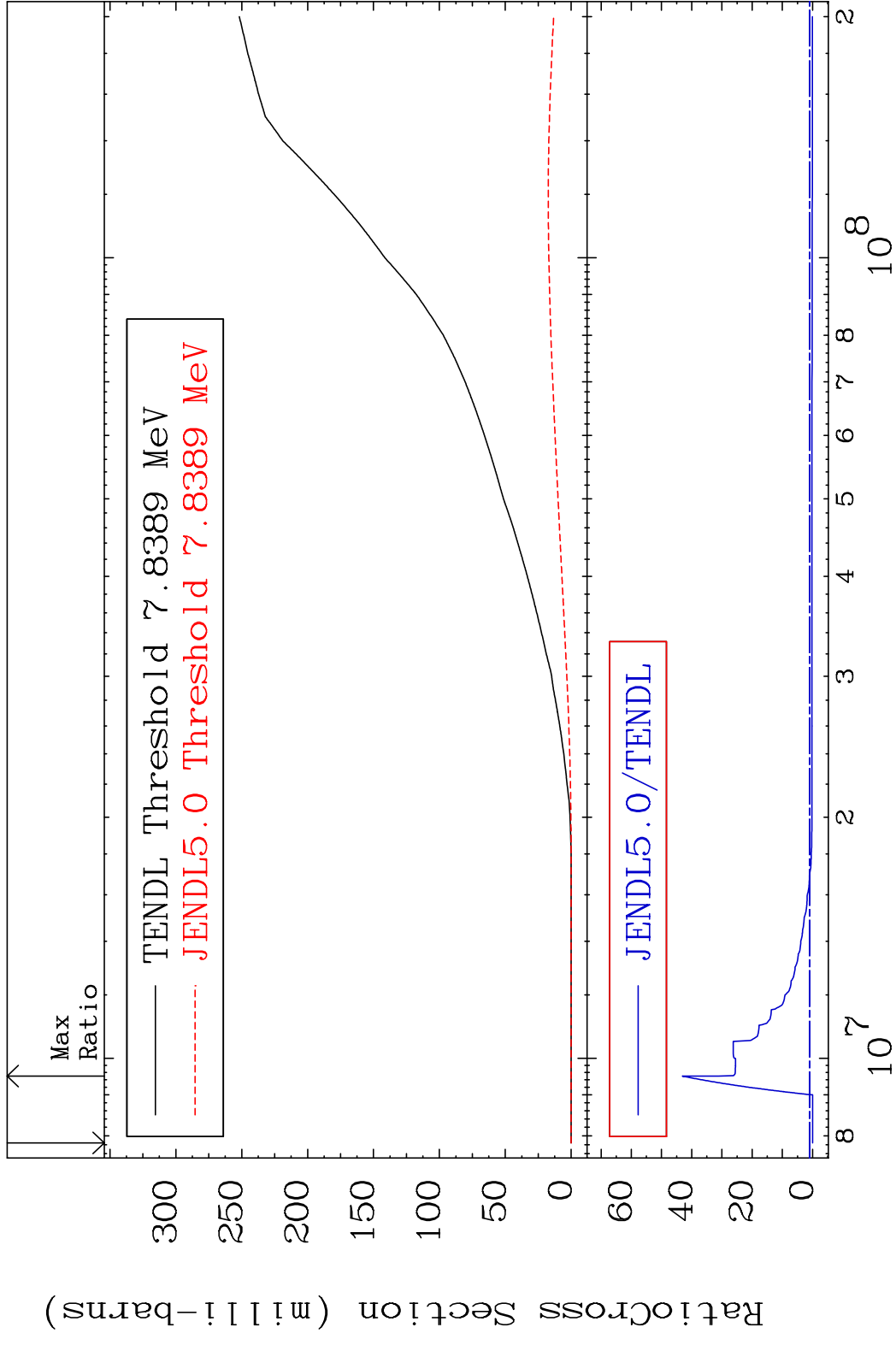




MAT 2625 Tritium Production  $^{26}\text{Fe-54}$   
 Cross Section -100.0 To 26.10 %



MAT 2625 He-3 Production 26-Fe-54  
 Cross Section -100.0 To 4210. %



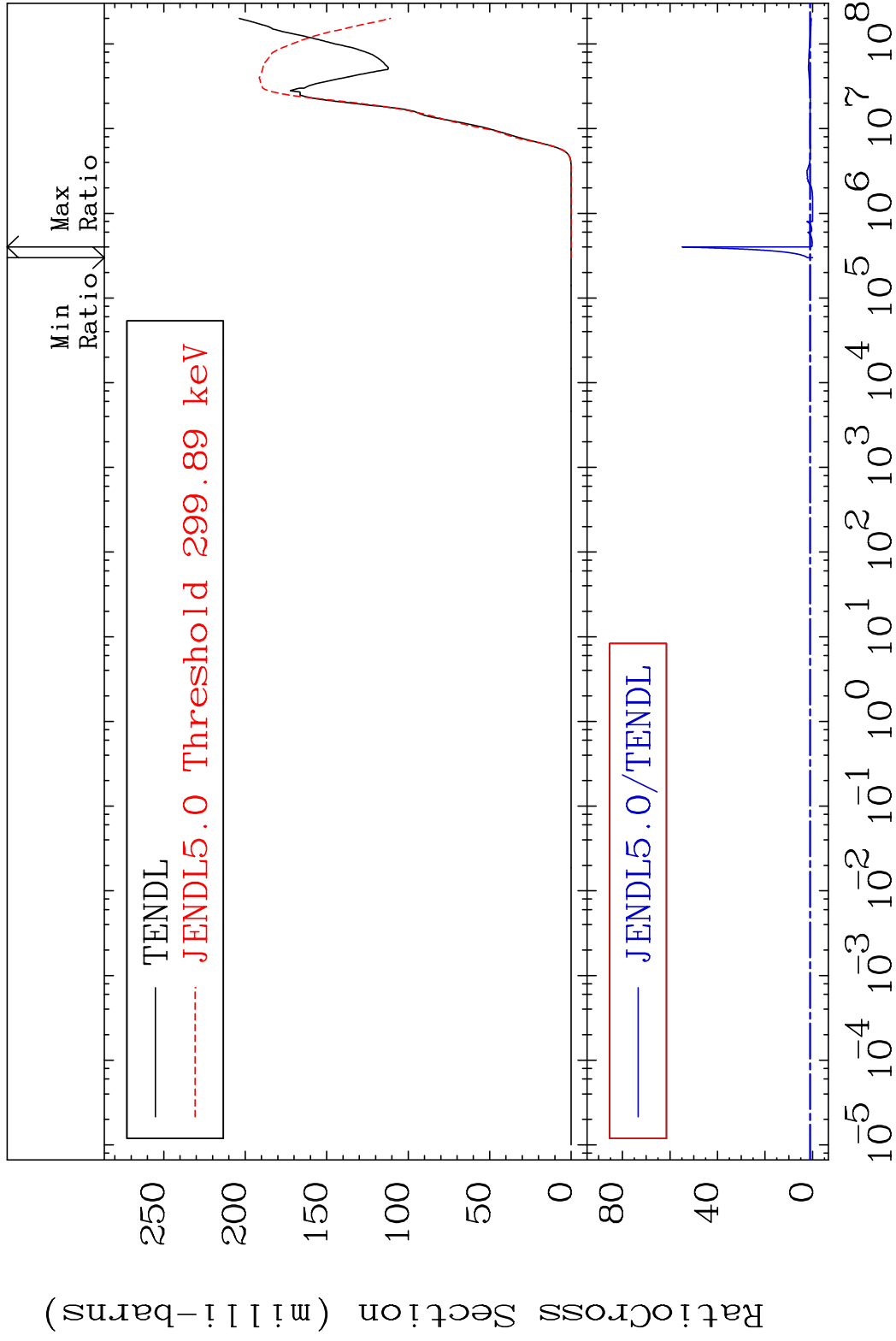
49 Incident Energy (eV) 26-Fe-54

MAT 2625

He-4 Production

<sup>26</sup>Fe-54

Cross Section -100.0 To 5379. %

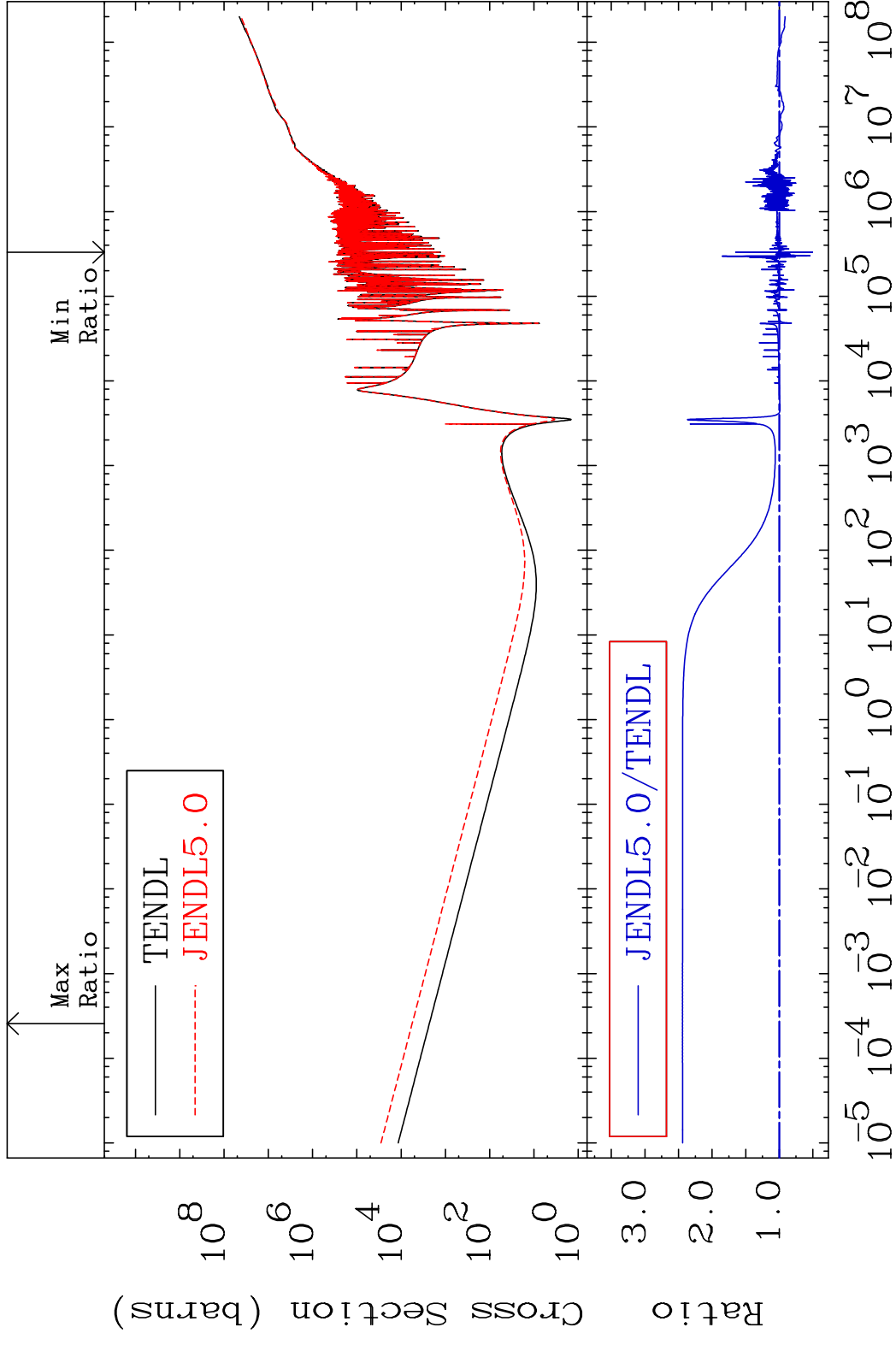


50

Incident Energy (eV)

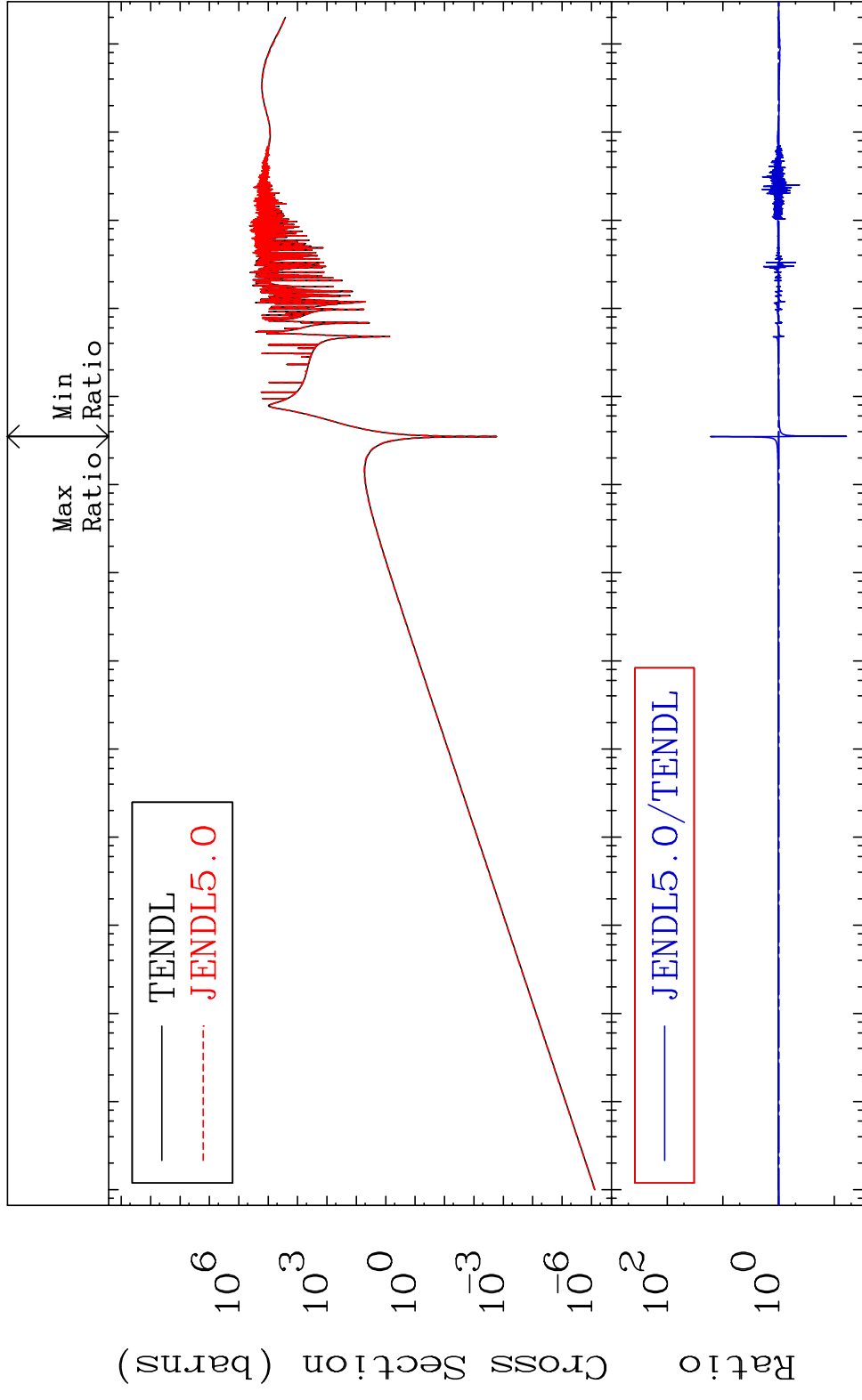
<sup>26</sup>Fe-54

MAT 2625 Kerma total (eV-barns) 26-Fe-54  
 Cross Section -49.54 To 144.3 %



MAT 2625

Kerma elastic Cross Section -93.90 To 1558. %  
26-Fe-54

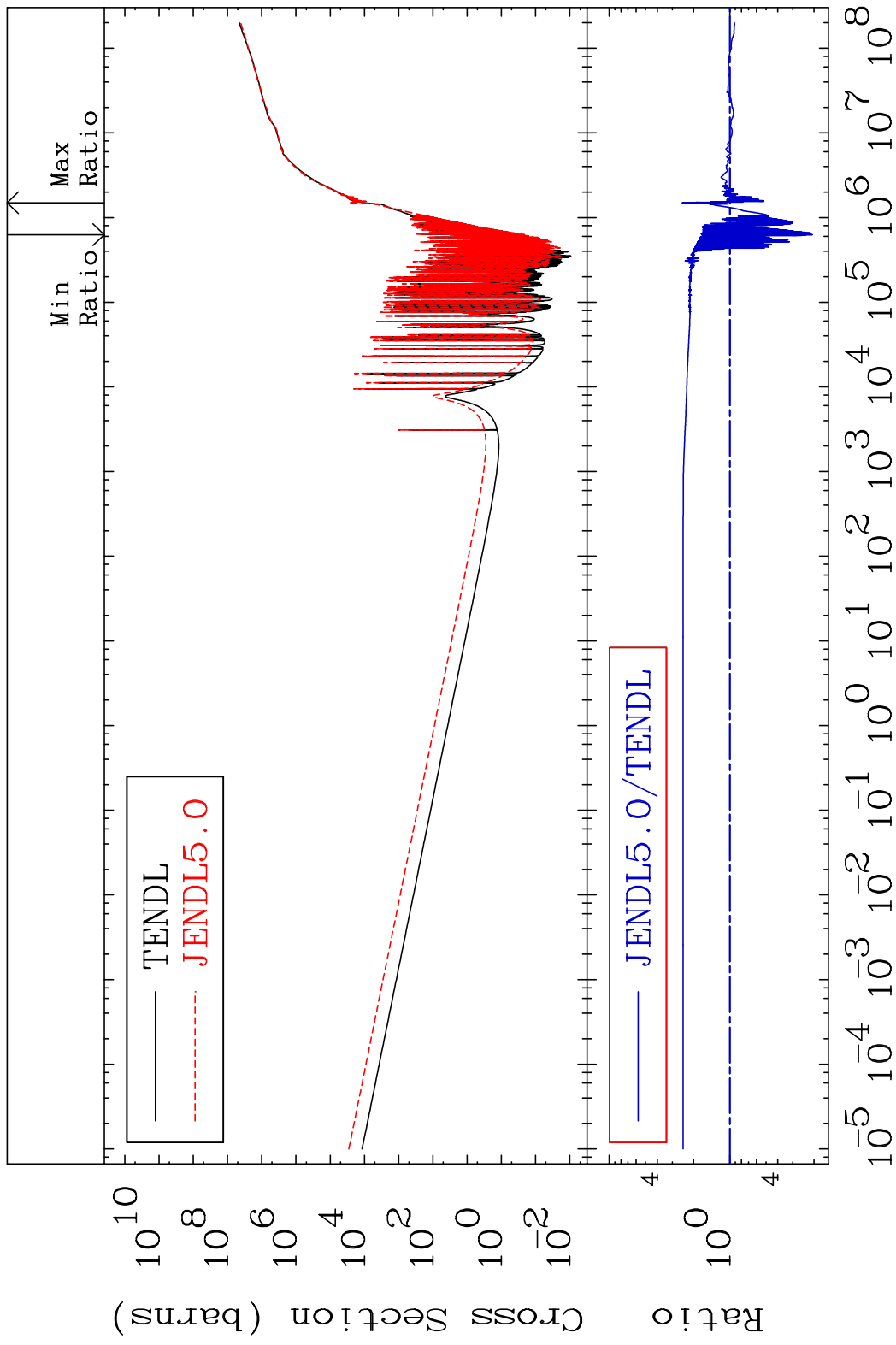


52

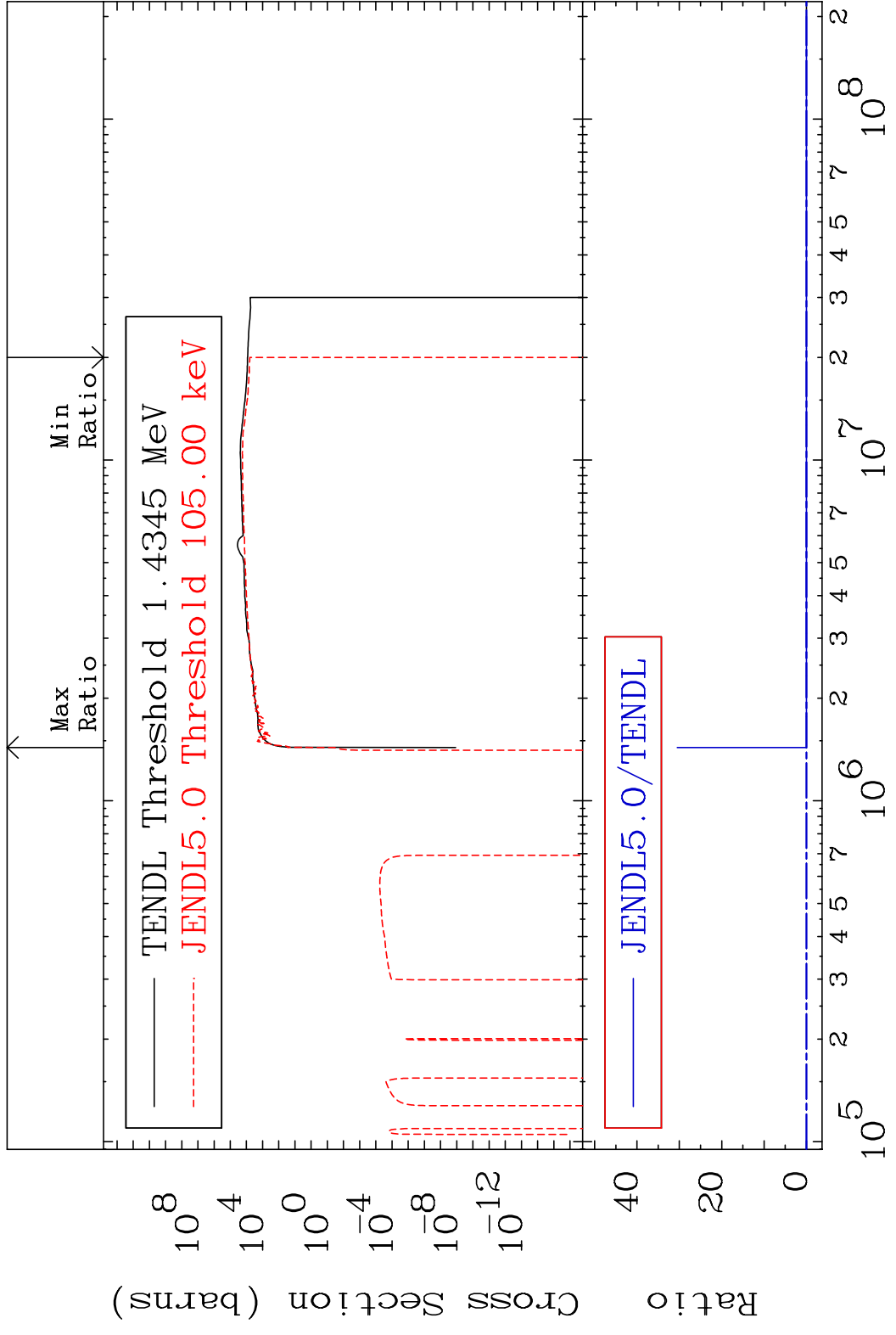
Incident Energy (eV)

26-Fe-54

MAT 2625 Kerma non-elastic (all but mt2) 26-Fe-54  
 Cross Section -79.42 To 147.6 %

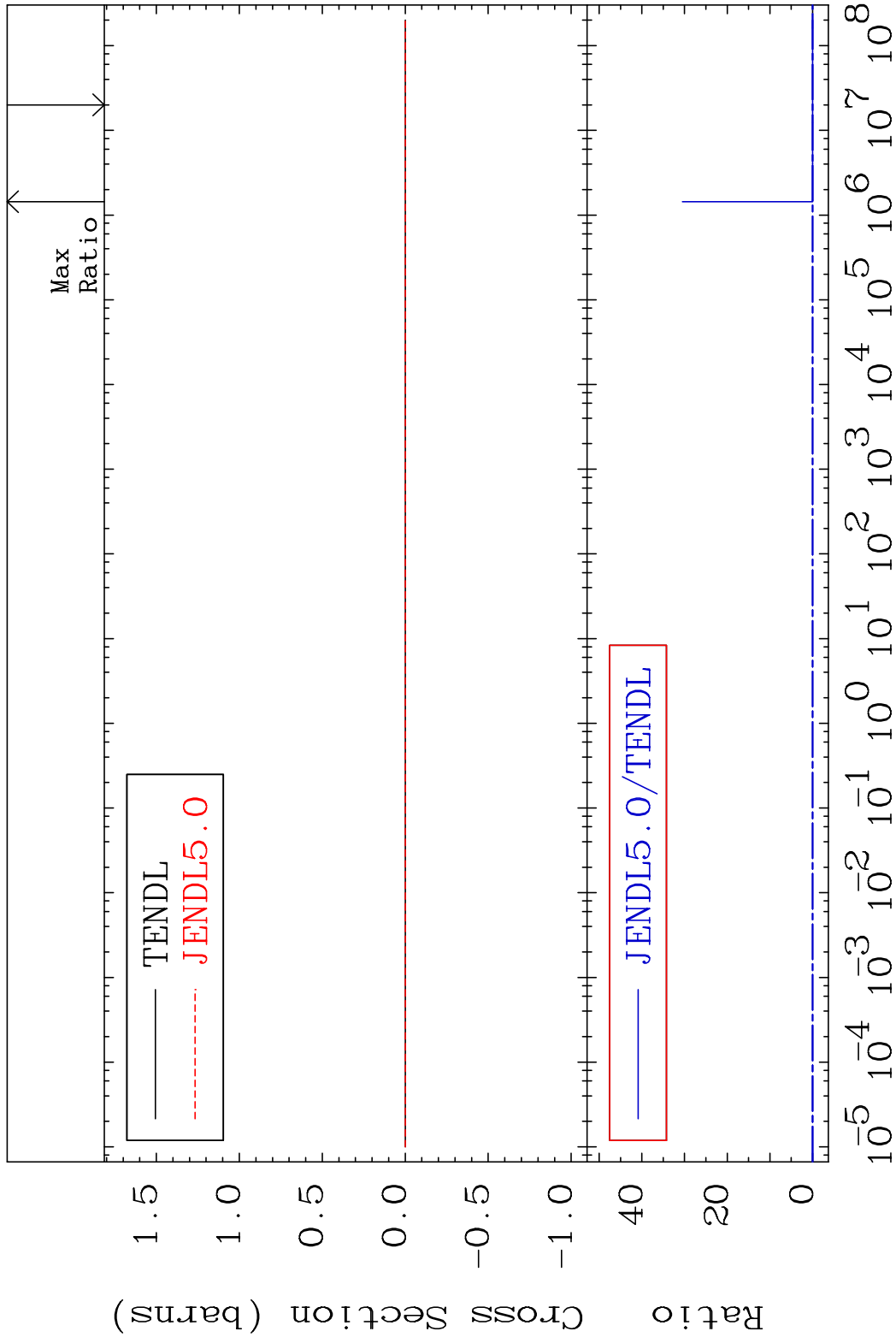


MAT 2625 Kerma inelastic (mt51-91) 26-Fe-54  
 Cross Section -100.0 To 9999. %



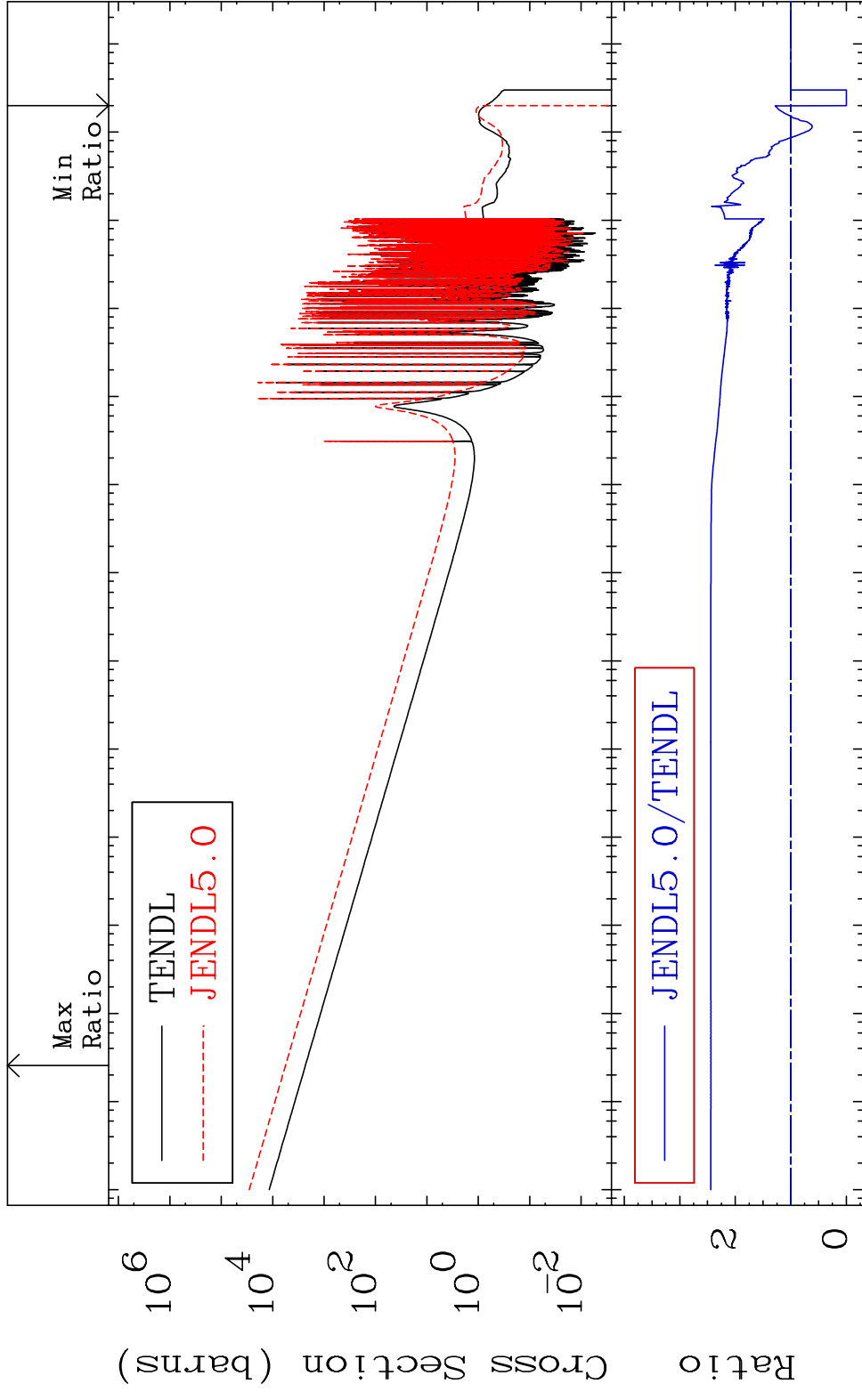
54 Incident Energy (eV) 26-Fe-54

MAT 2625 Kerma fission (mt18 or mt19-20-21-38) 26-Fe-54  
 Cross Section -100.0 To 9999. %



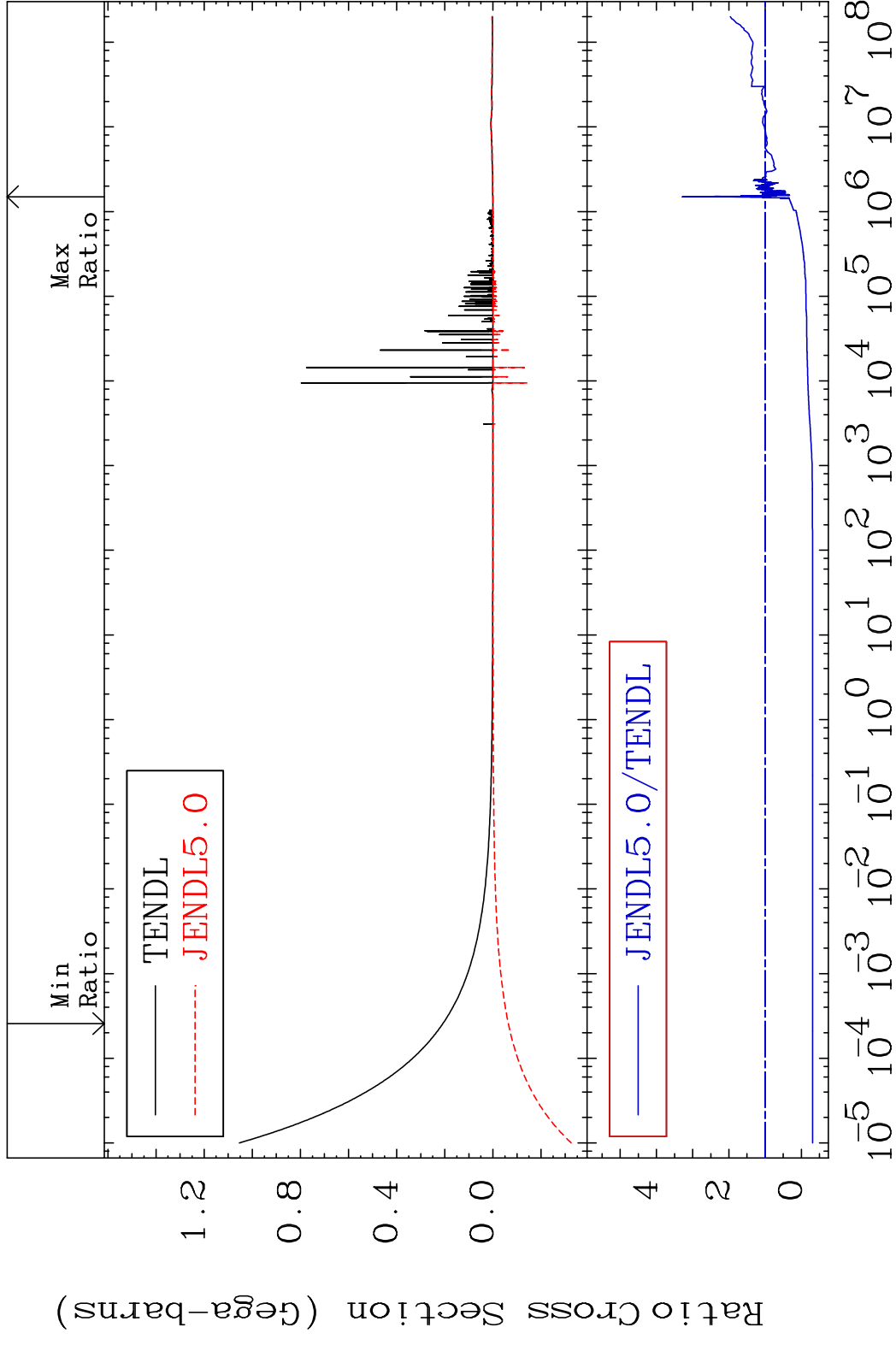


MAT 2625 Kerma capture (mt102) 26-Fe-54  
 Cross Section -100.0 To 144.3 %

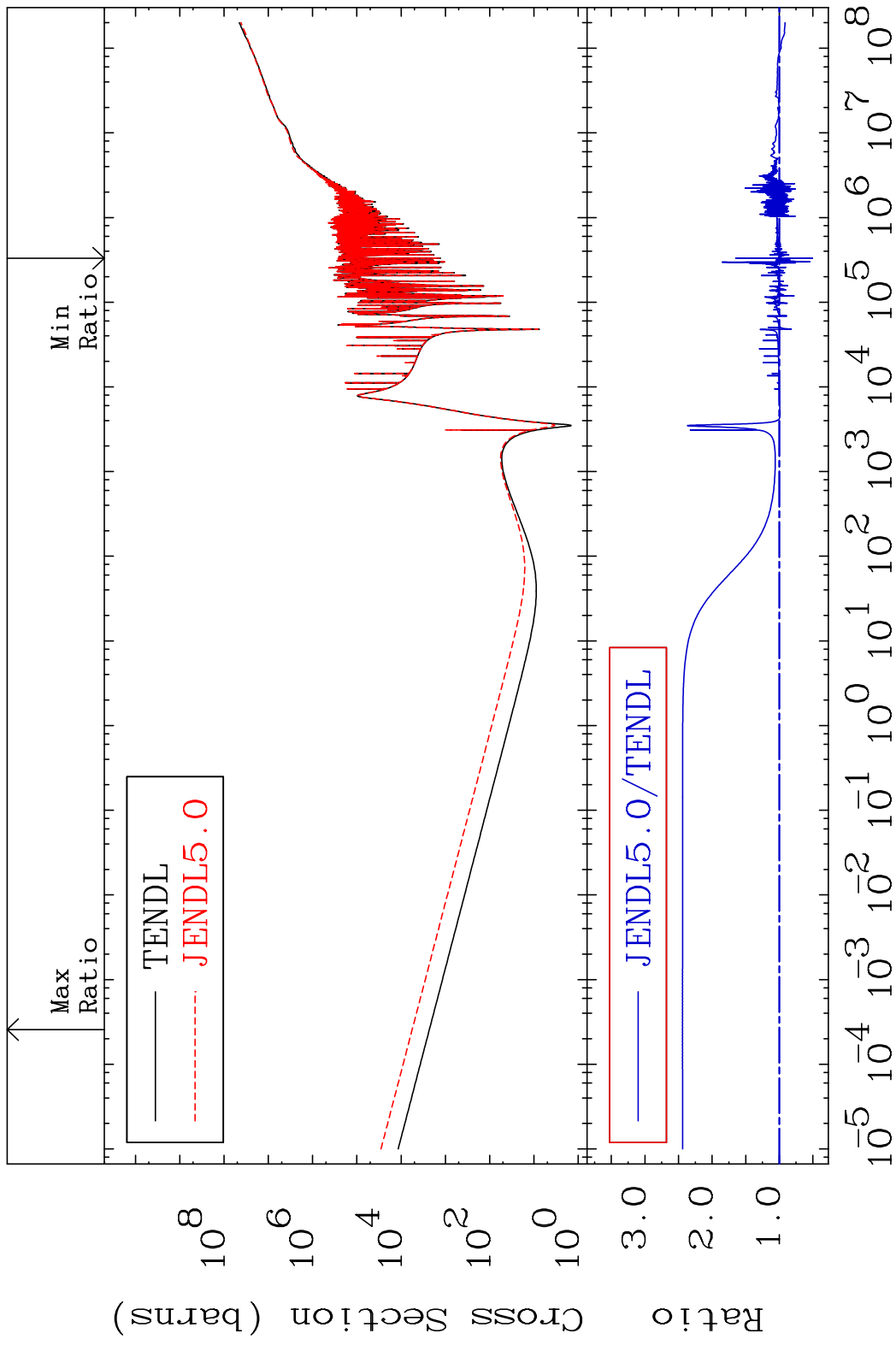


56 Incident Energy (eV) 26-Fe-54

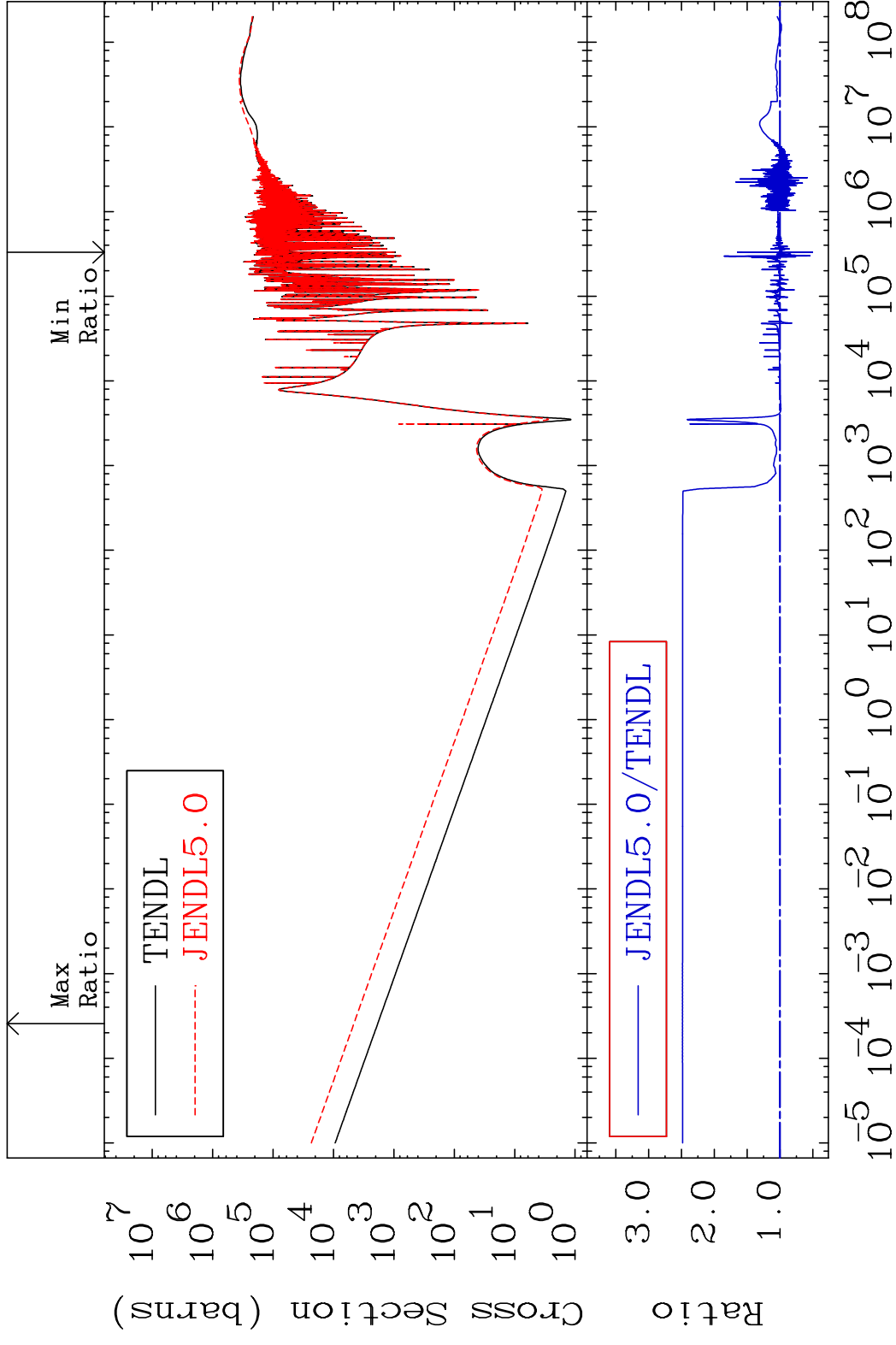
MAT 2625 Total photon (eV-barns) 26-Fe-54  
Cross Section -130.9 To 228.5 %



MAT 2625 Total kinematic kerma (high limit) 26-Fe-54  
Cross Section -49.54 To 144.3 %



MAT 2625      Dpa total (eV-barns)      26-Fe-54  
 Cross Section      -49.56 To 148.7 %



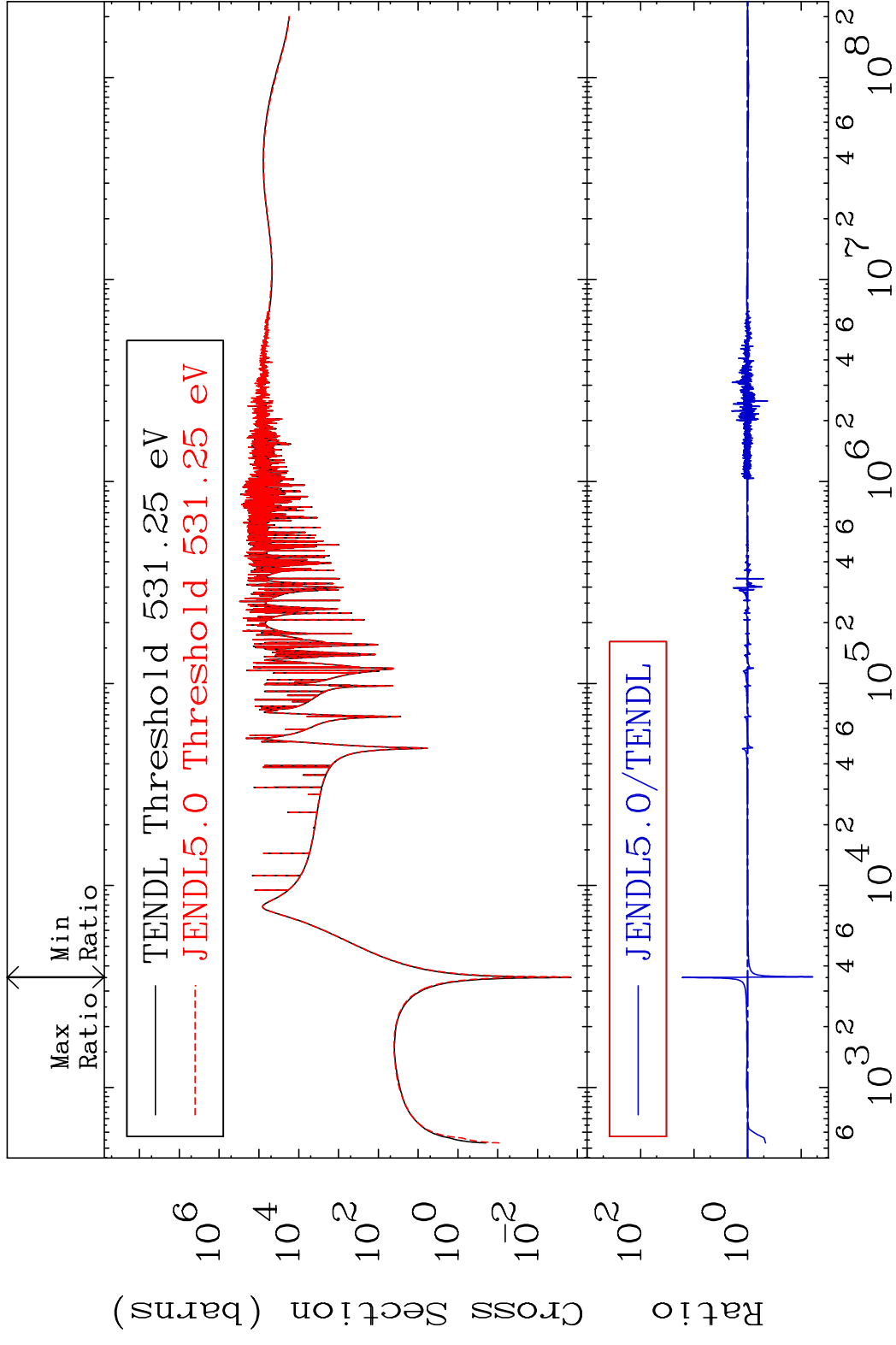
59      Incident Energy (eV)      26-Fe-54

MAT 2625

Dpa elastic (mt2)

<sup>26</sup>Fe-54

Cross Section -93.90 To 1559. %

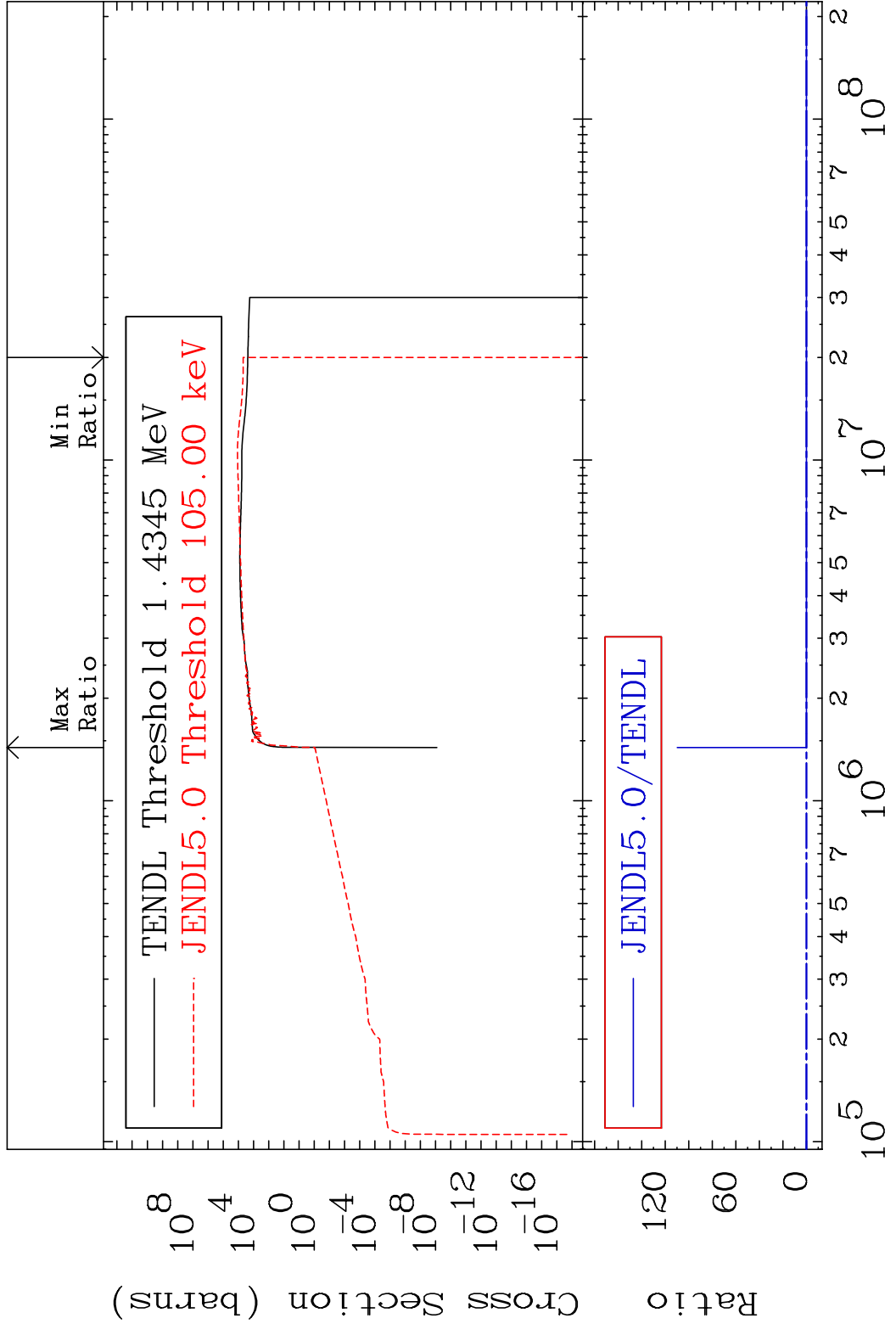


60

Incident Energy (eV)

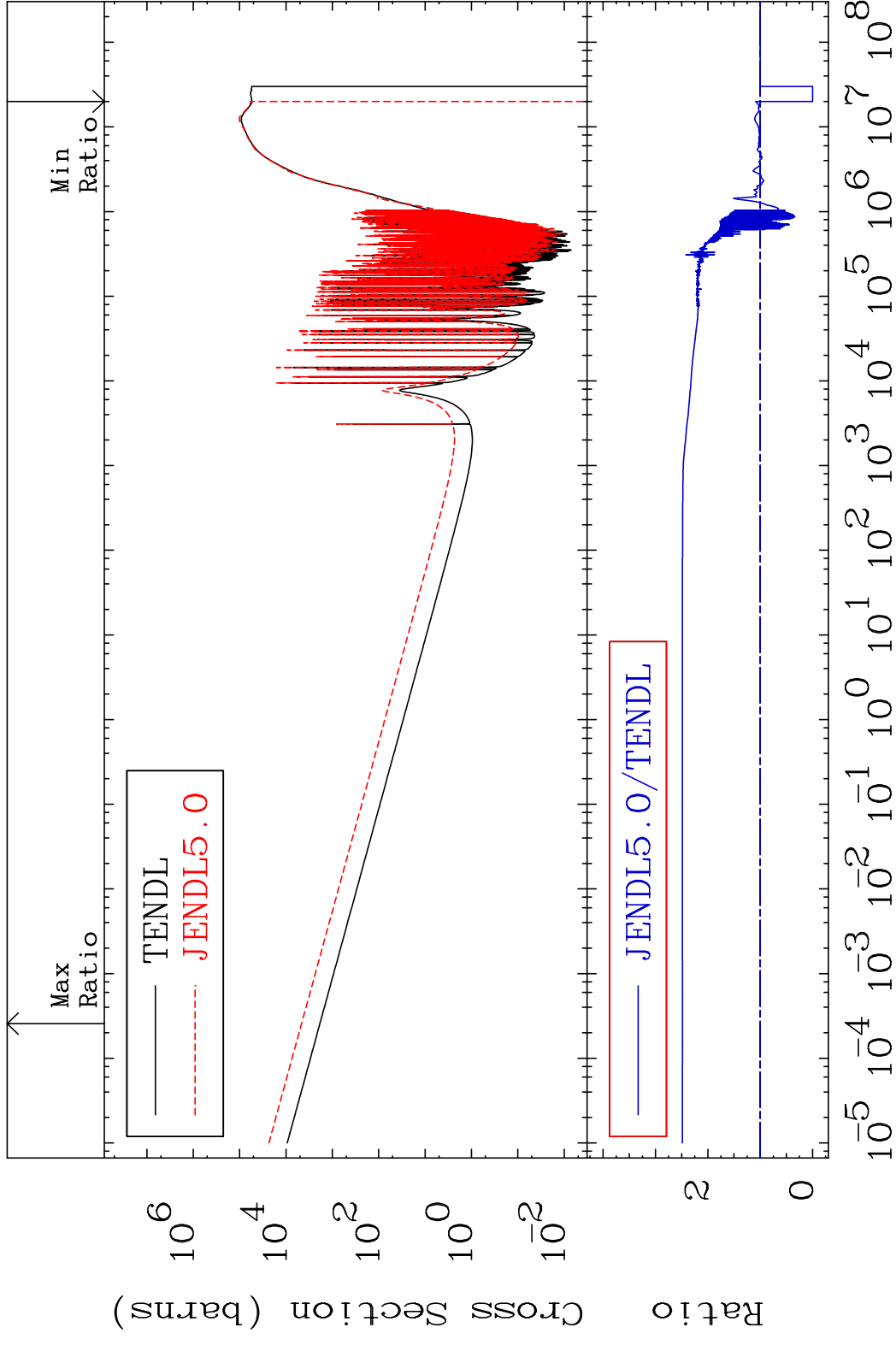
<sup>26</sup>Fe-54

MAT 2625 Dpa inelastic (mt51-91) 26-Fe-54  
 Cross Section -100.0 To 9999. %

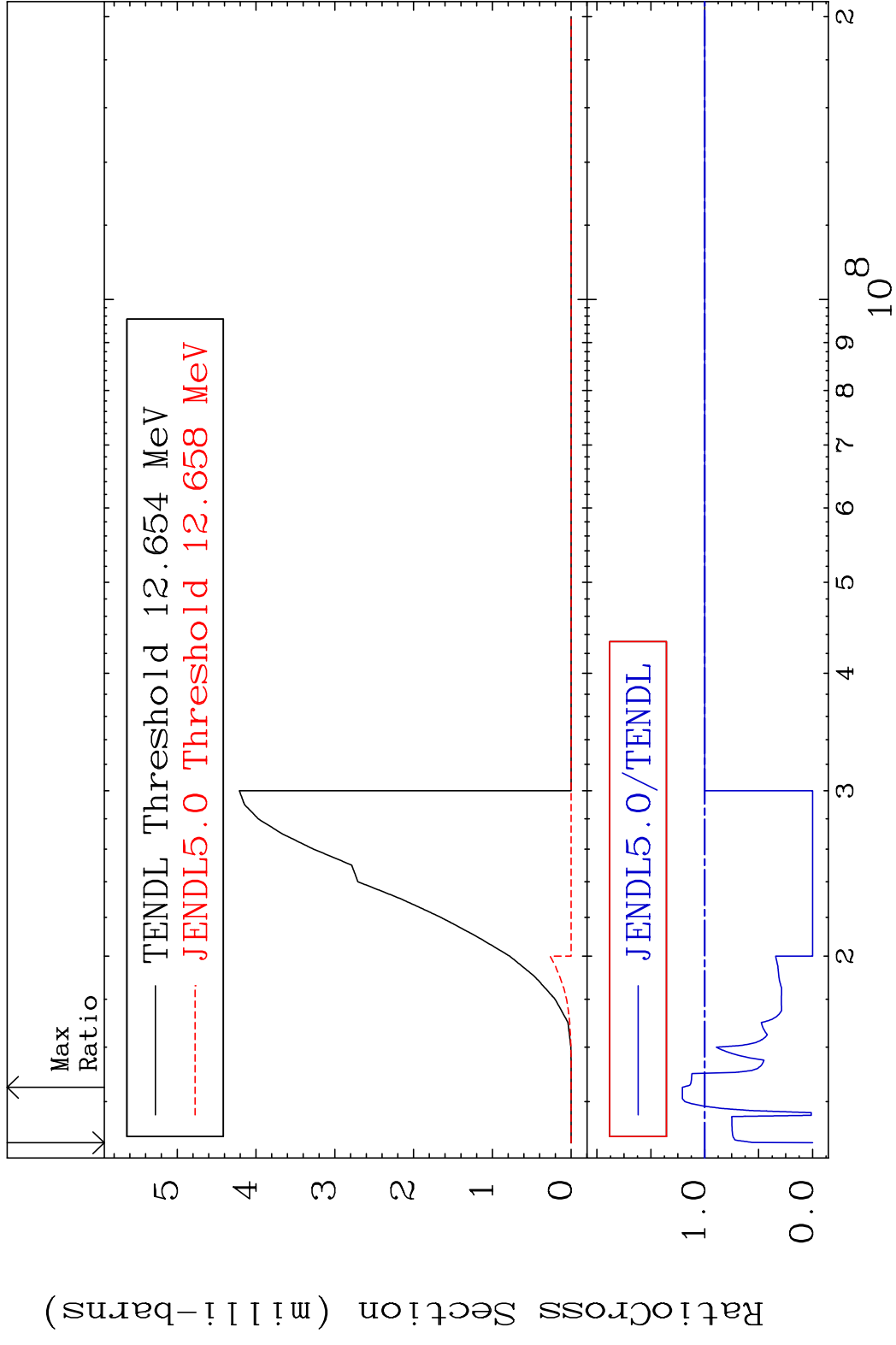


61 Incident Energy (eV) 26-Fe-54

MAT 2625 Dpa disappearance (mt102 -120) 26-Fe-54  
 Cross Section -100.0 To 148.7 %



MAT 2625 (n, t): 25-Mn-52g 26-Fe-54  
 Radionuclide Production Cross Section Ratio 20.79 %





MAT 2625 (n,t):25-Mn-52m1 26-Fe-54  
 Radionuclide Production Cross Section 180.0 dth 471.3 %

