

Program Complot  
(Version 2021-1)

by

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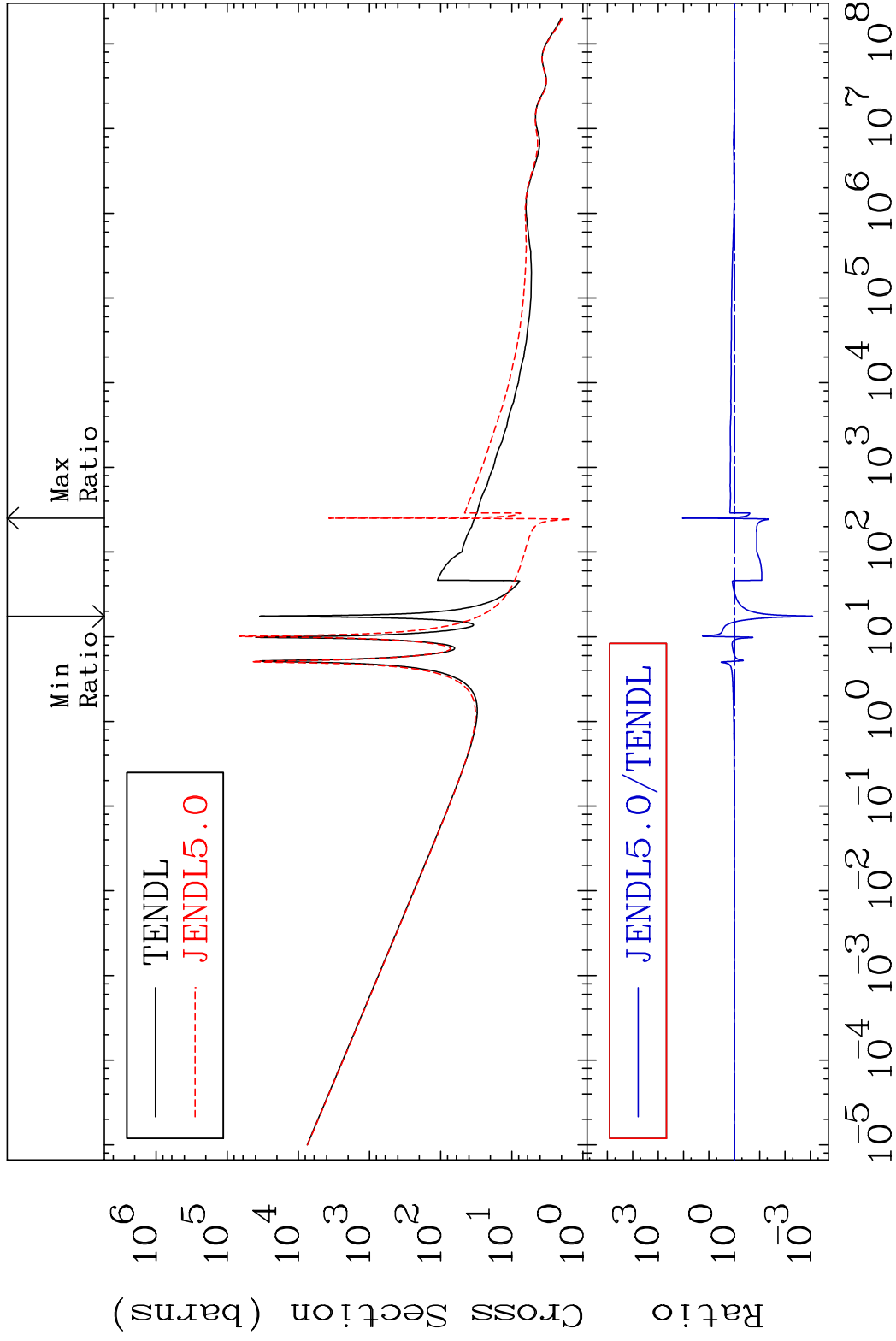
Press Mouse Button to Start

MAT 5425

Total

54-Xe-124

Cross Section -99.92 To 9999. %



1

Incident Energy (eV)

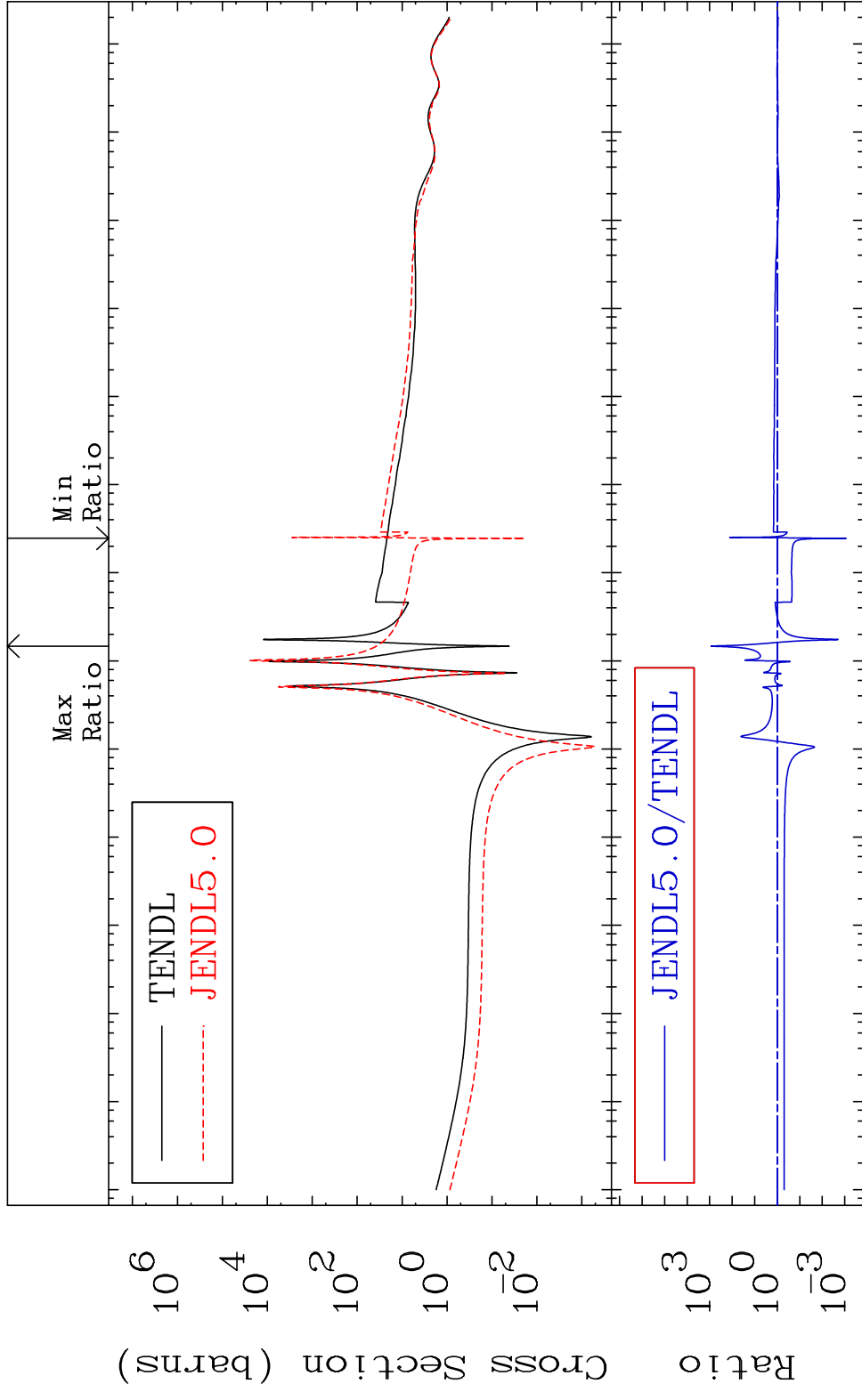
54-Xe-124

MAT 5425

54-Xe-124

Elastic

Cross Section -99.91 To 9999. %



Ratio  
10<sup>3</sup>  
10<sup>0</sup>  
10<sup>-3</sup>

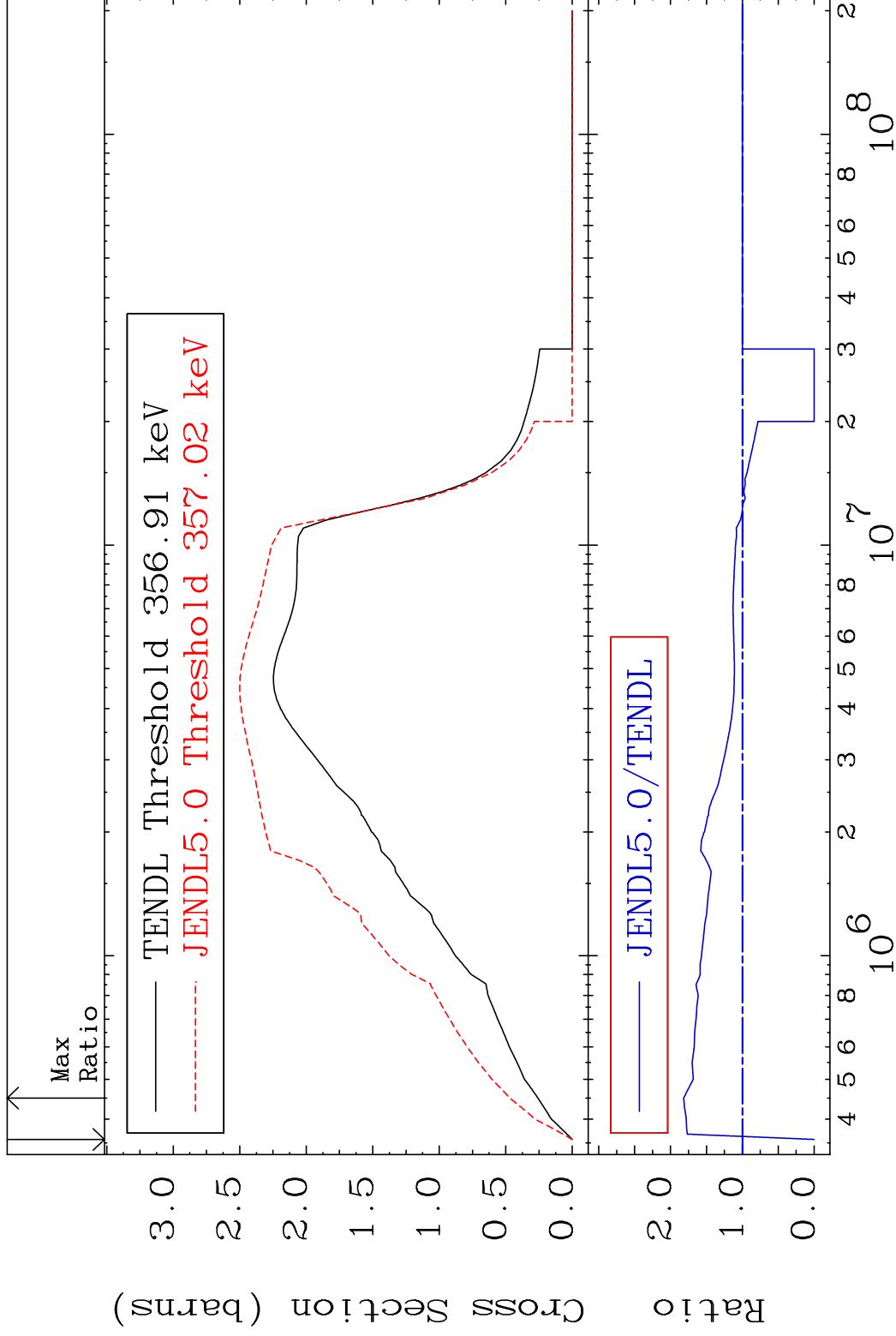
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

MAT 5425

Inelastic

54-Xe-124

Cross Section -100.0 To 81.72 %



3

Incident Energy (eV)

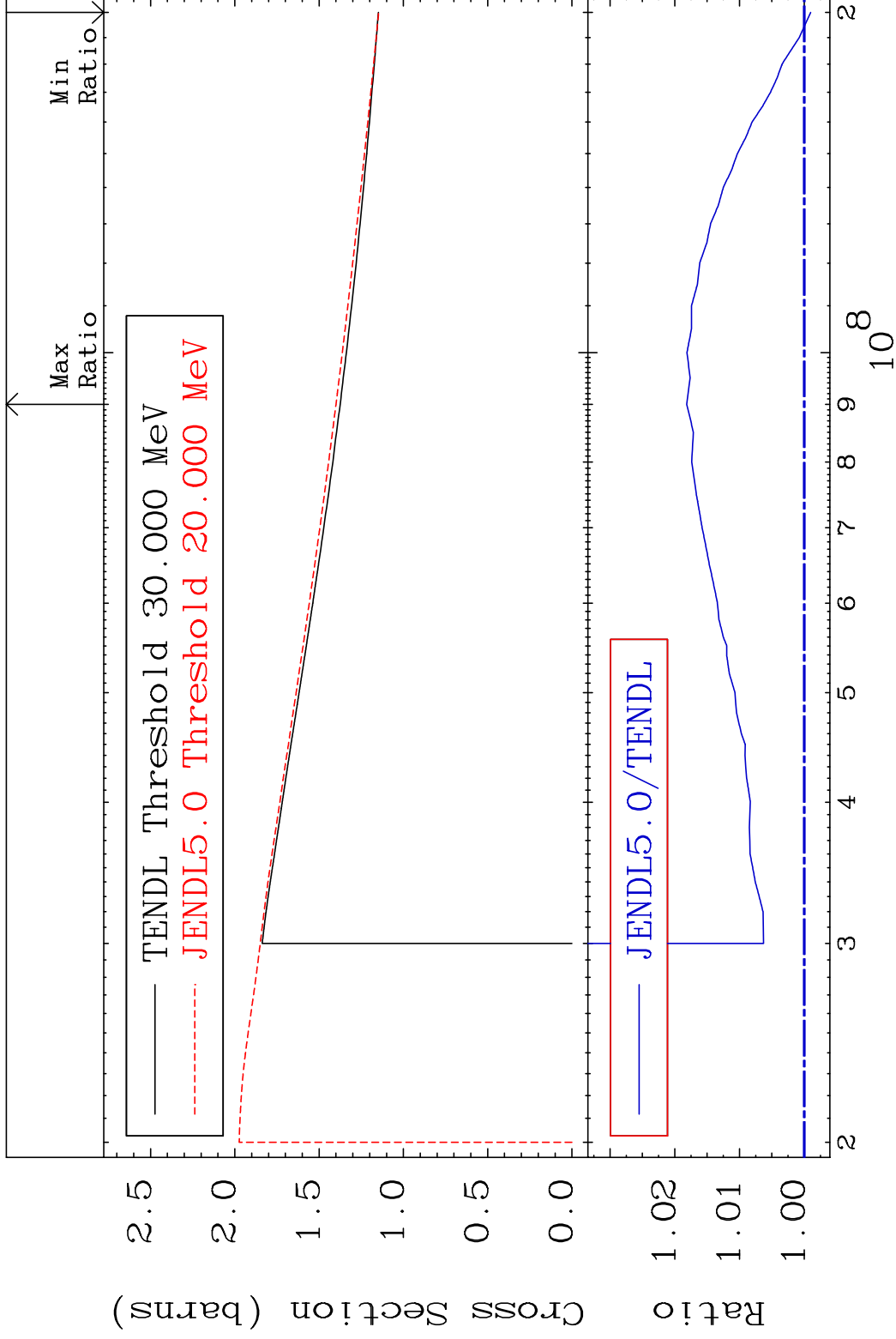
54-Xe-124

MAT 5425

(n, remainder)

54-Xe-124

Cross Section -0.101 To 1.815 %



4

Incident Energy (eV)

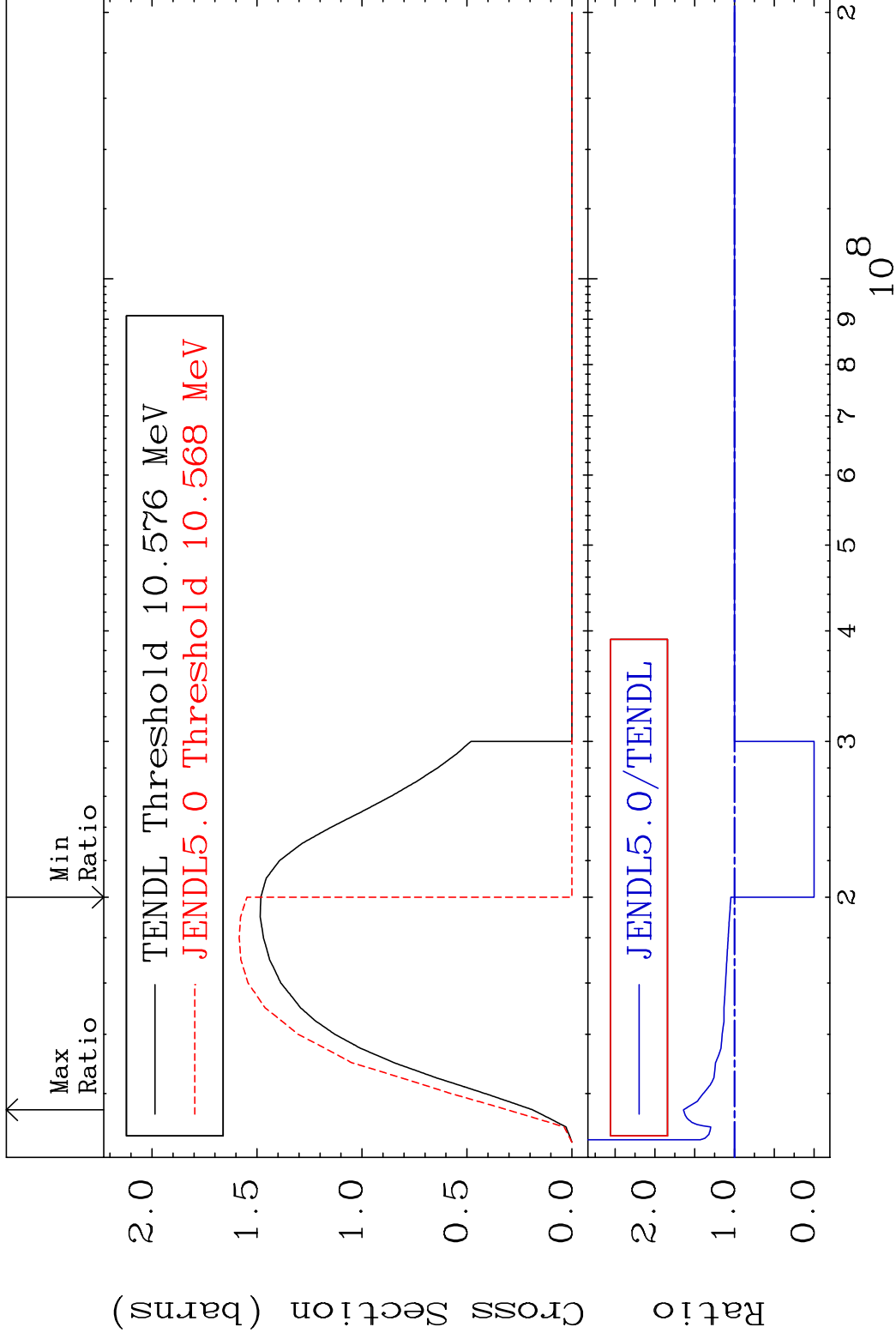
54-Xe-124

MAT 5425

(n,2n)

54-Xe-124

Cross Section -100.0 To 64.08 %



5

Incident Energy (eV)

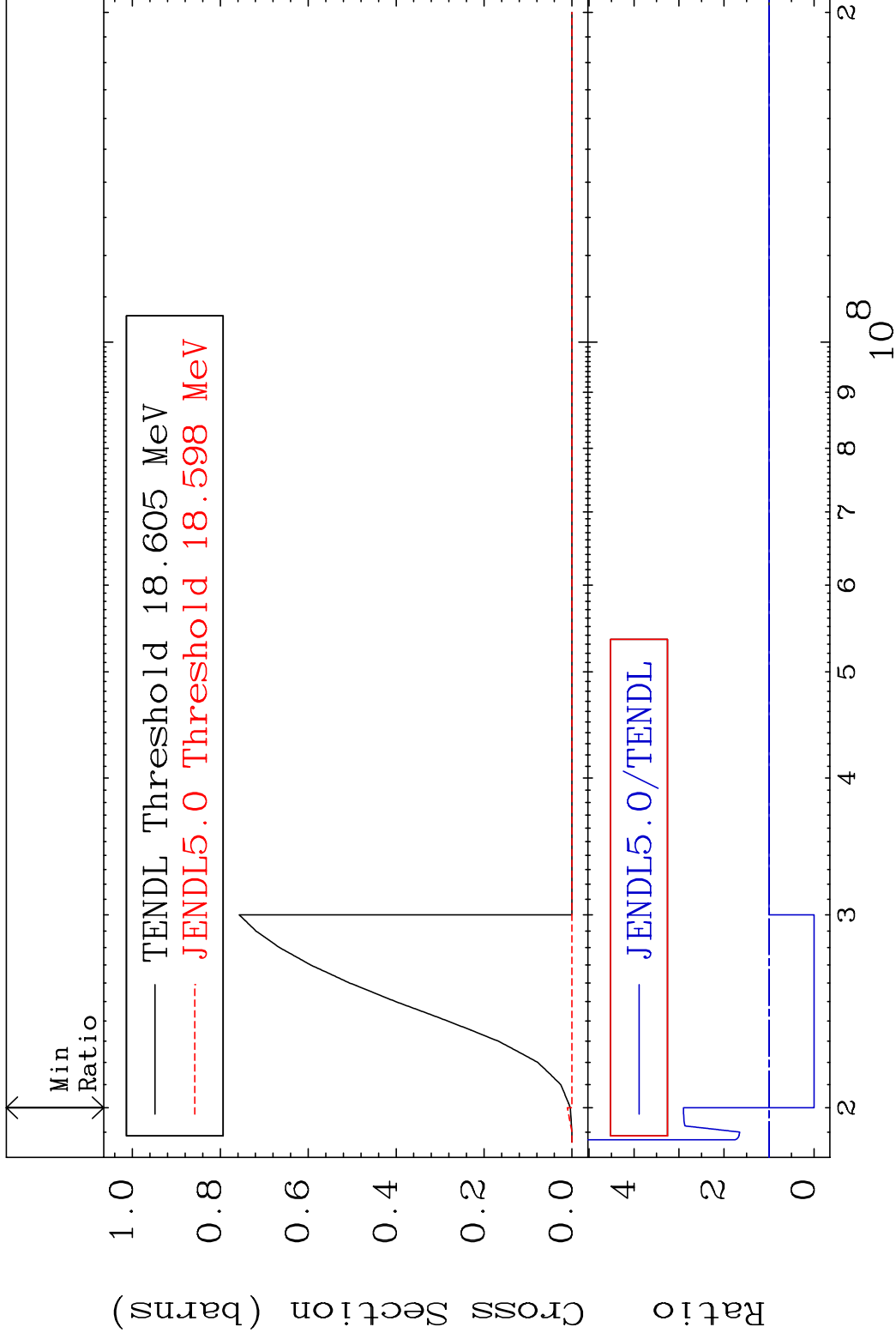
54-Xe-124

MAT 5425

(n,3n)

54-Xe-124

Cross Section -100.0 To 190.1 %



6

Incident Energy (eV)

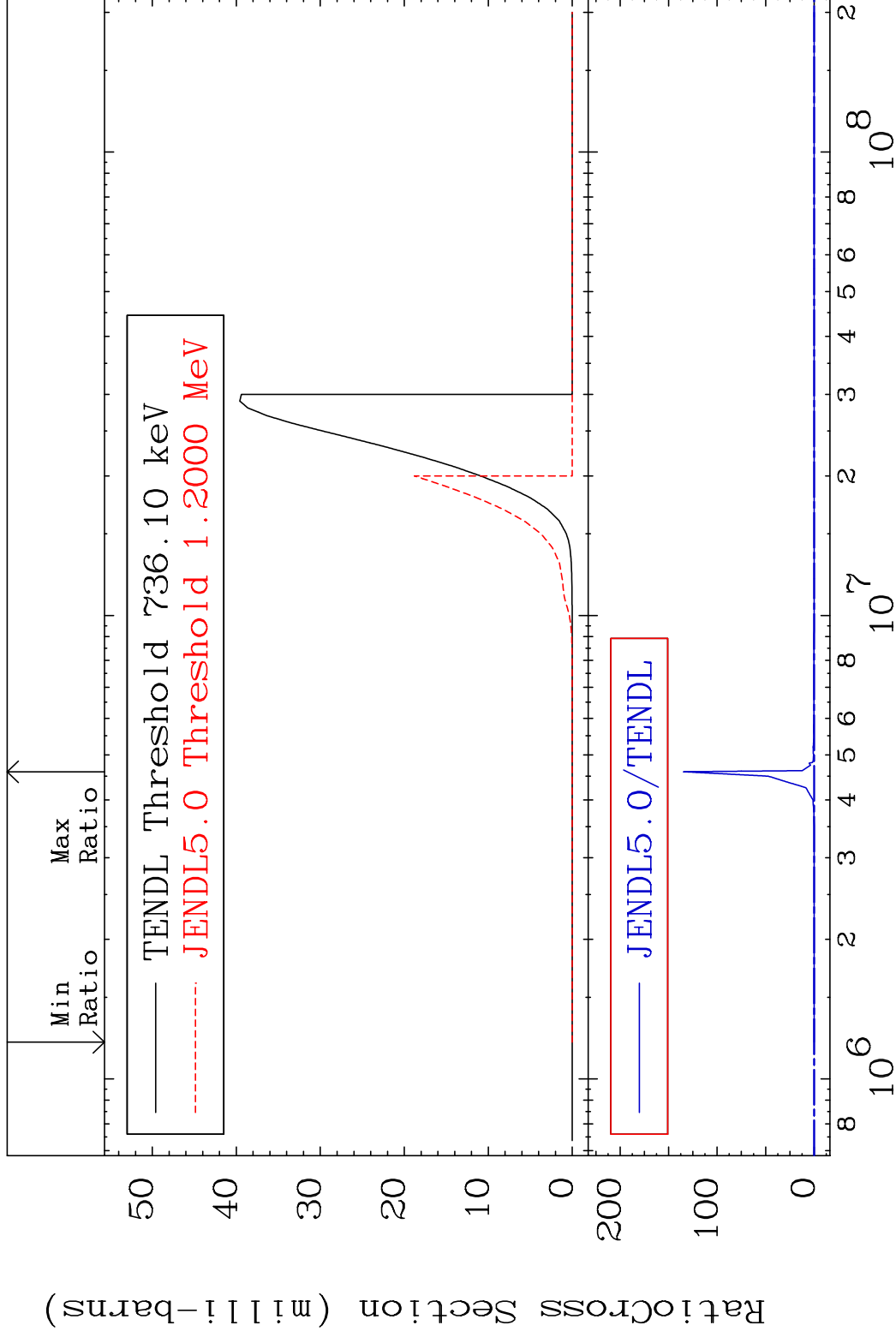
54-Xe-124

MAT 5425

(n, n')  $\alpha$

54-Xe-124

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

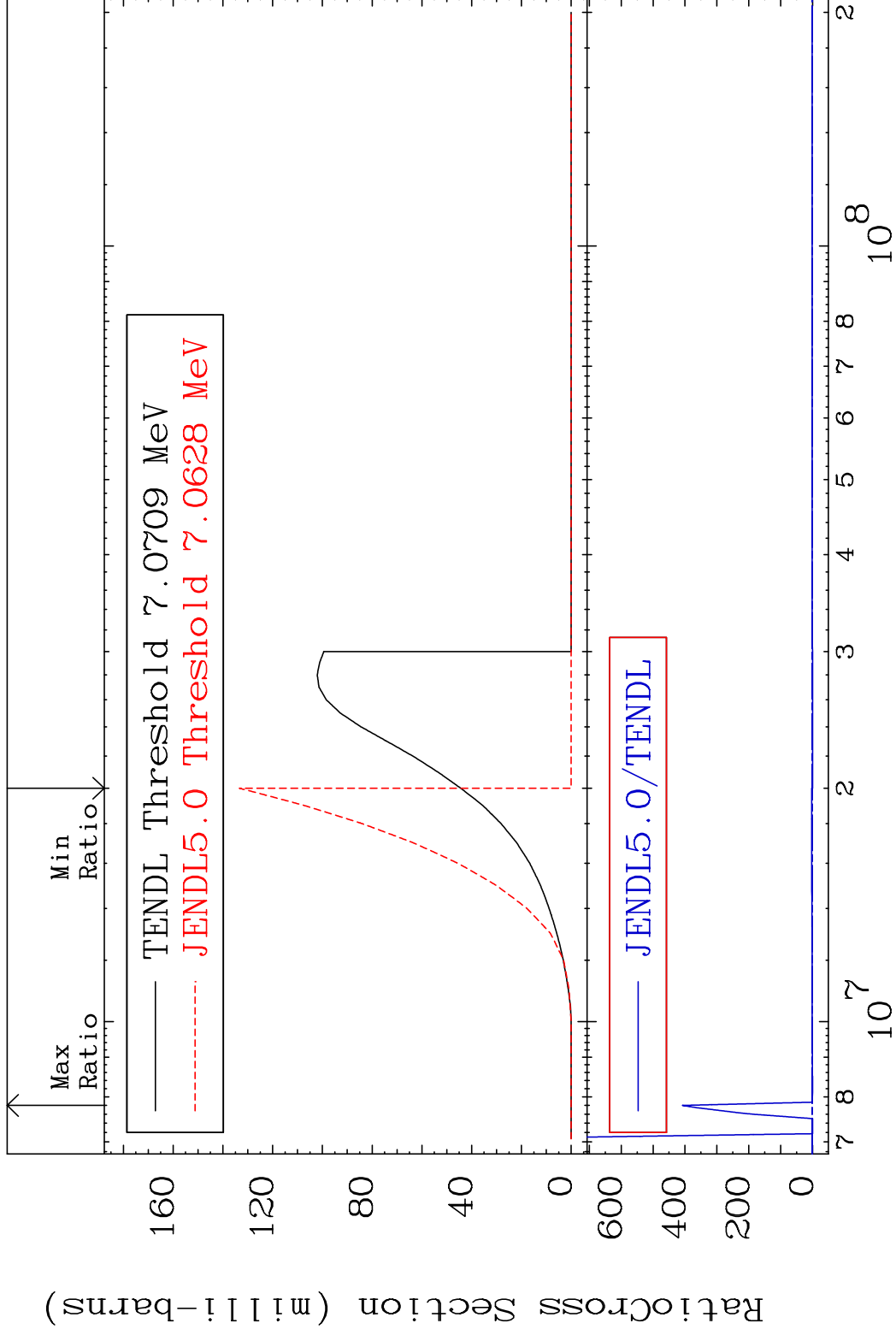
54-Xe-124

MAT 5425

(n, n') p

54-Xe-124

Cross Section -100.0 To 9999. %

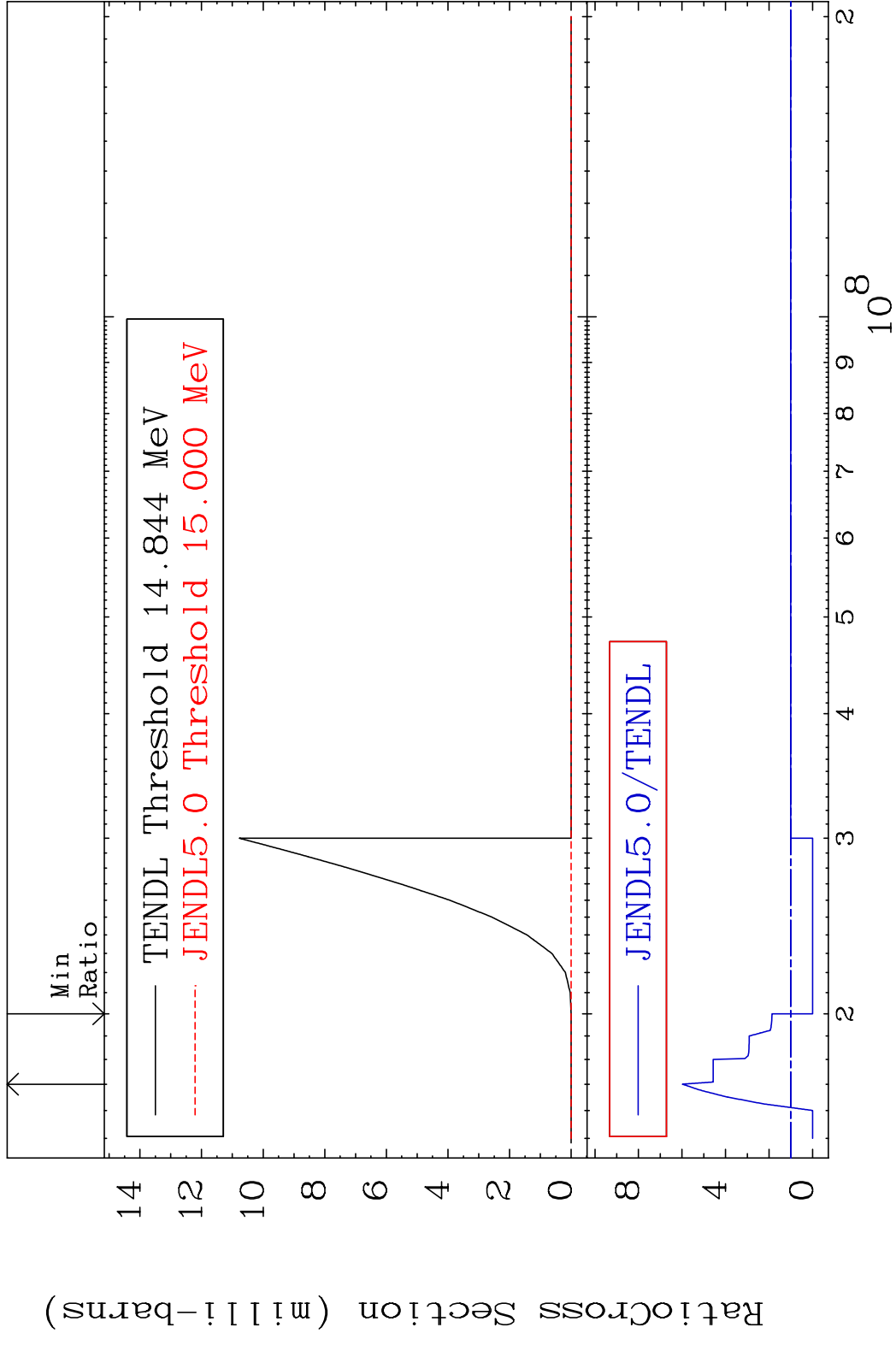


8

Incident Energy (eV)

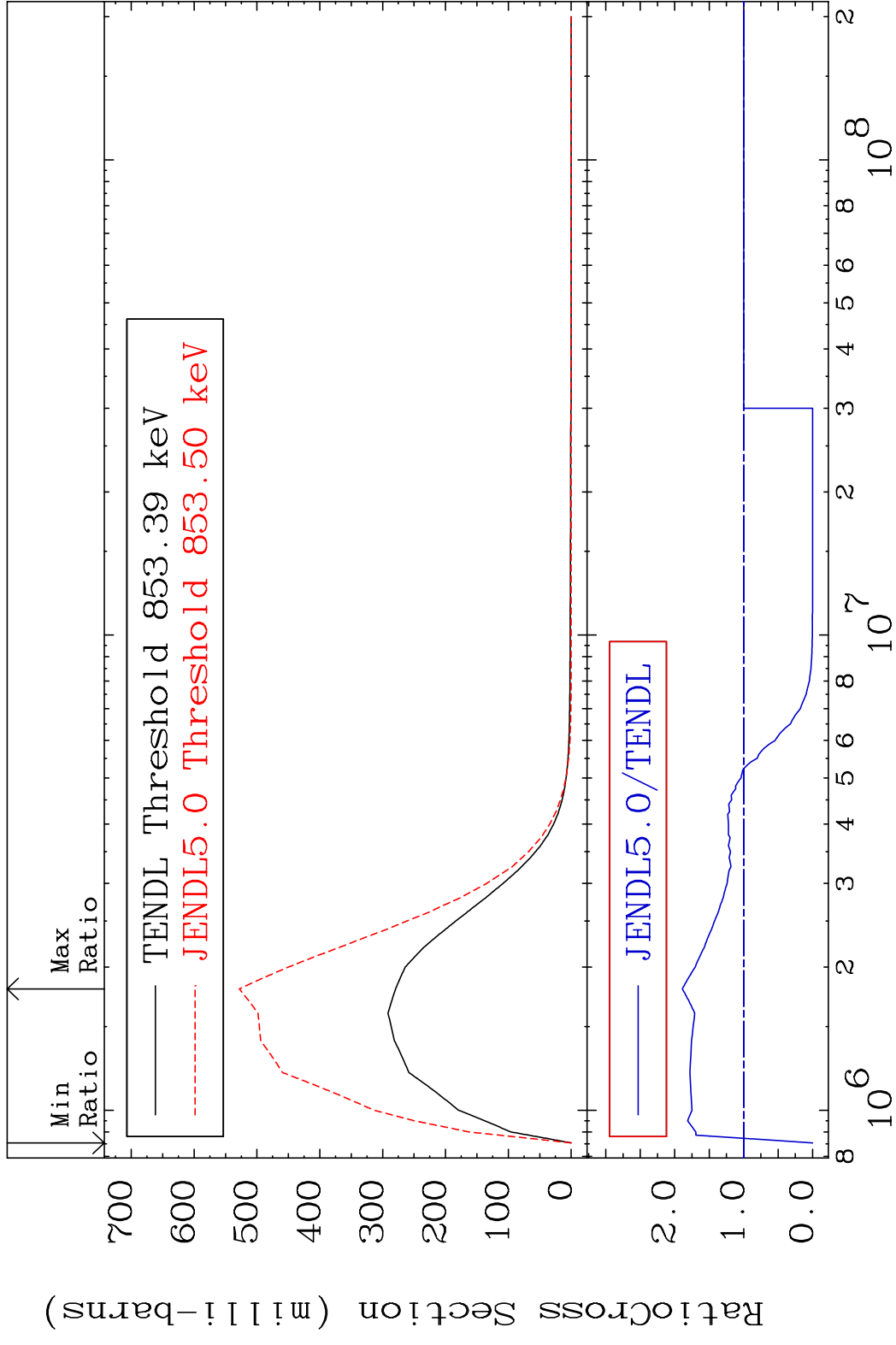
54-Xe-124

MAT 5425 (n, n') d 54-Xe-124  
 Cross Section -100.0 To 498.3 %

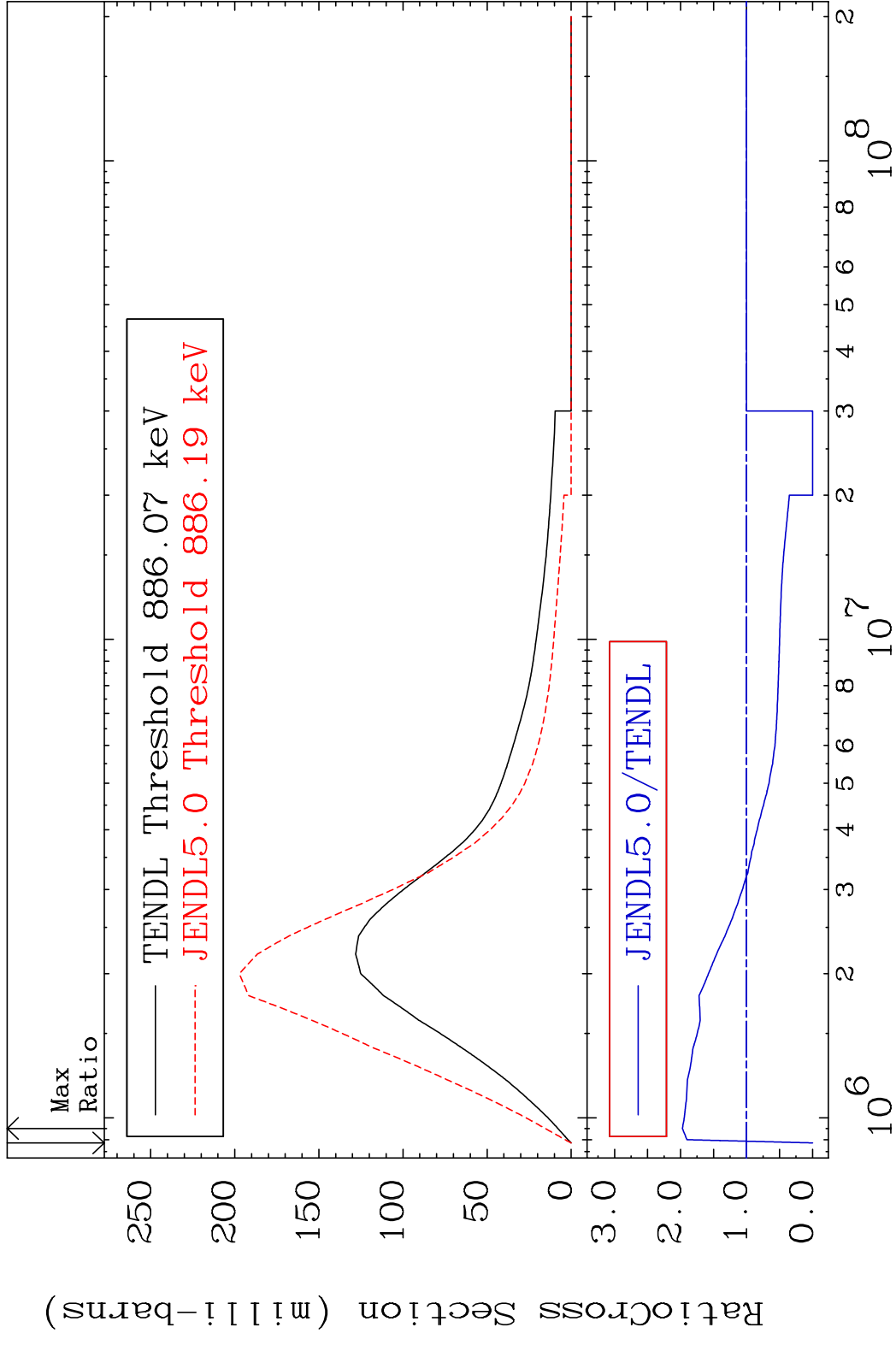




MAT 5425 MT= 52 (n, n') Level 54-Xe-124  
 Cross Section -100.0 To 88.95 %

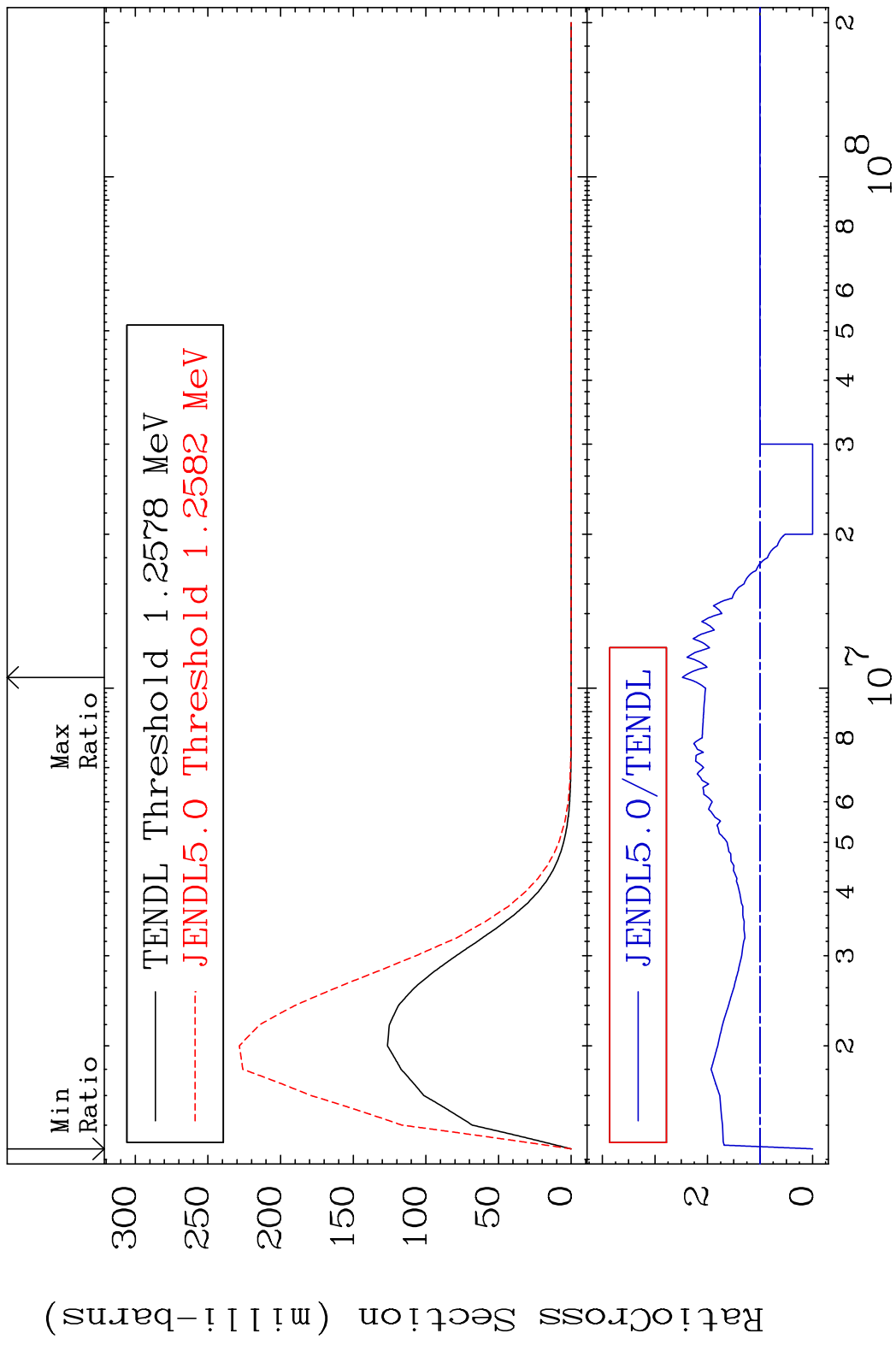


MAT 5425 MT= 53 (n, n') Level 54-Xe-124  
 Cross Section -100.0 To 97.33 %

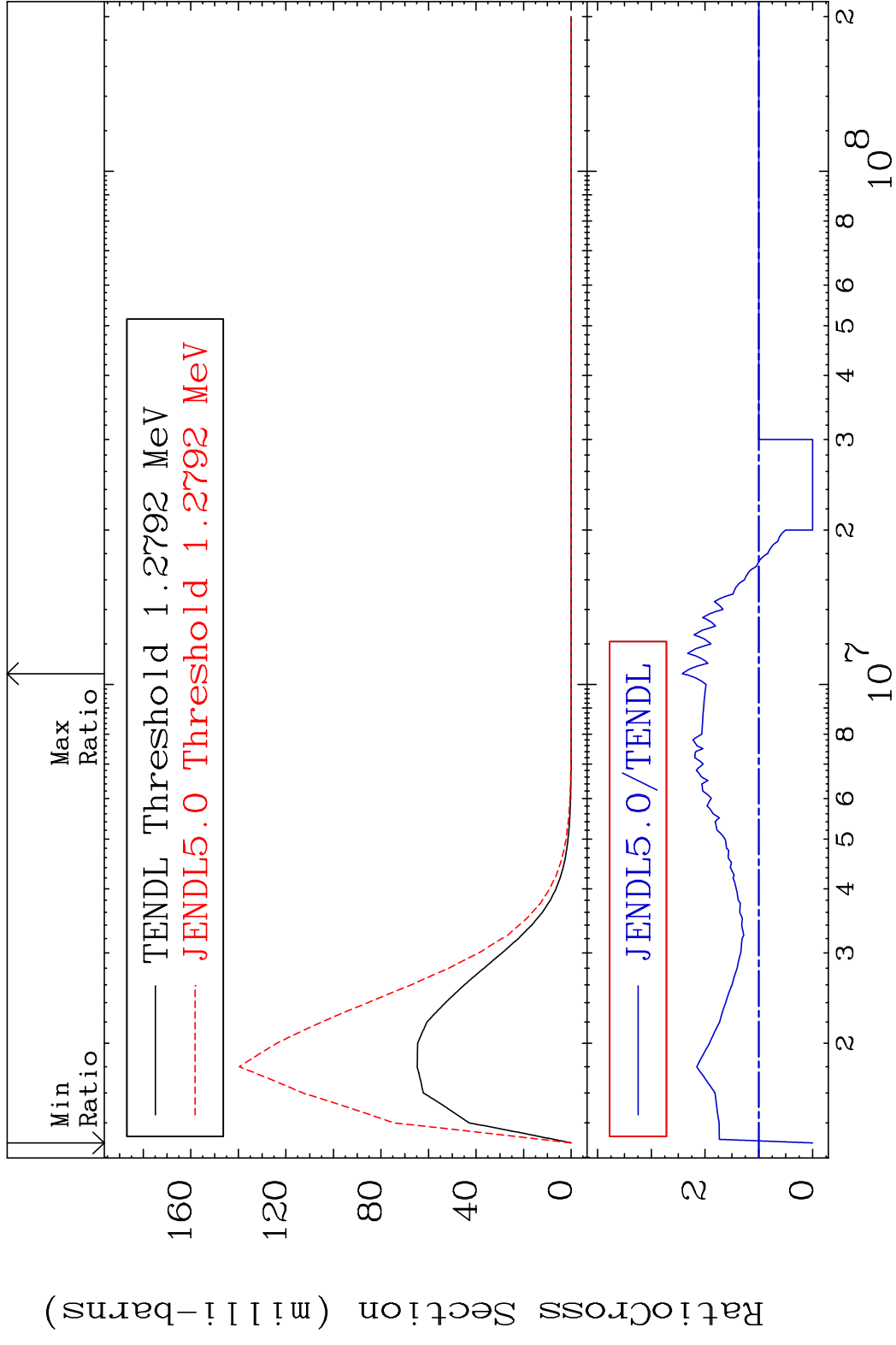


12 Incident Energy (eV) 54-Xe-124

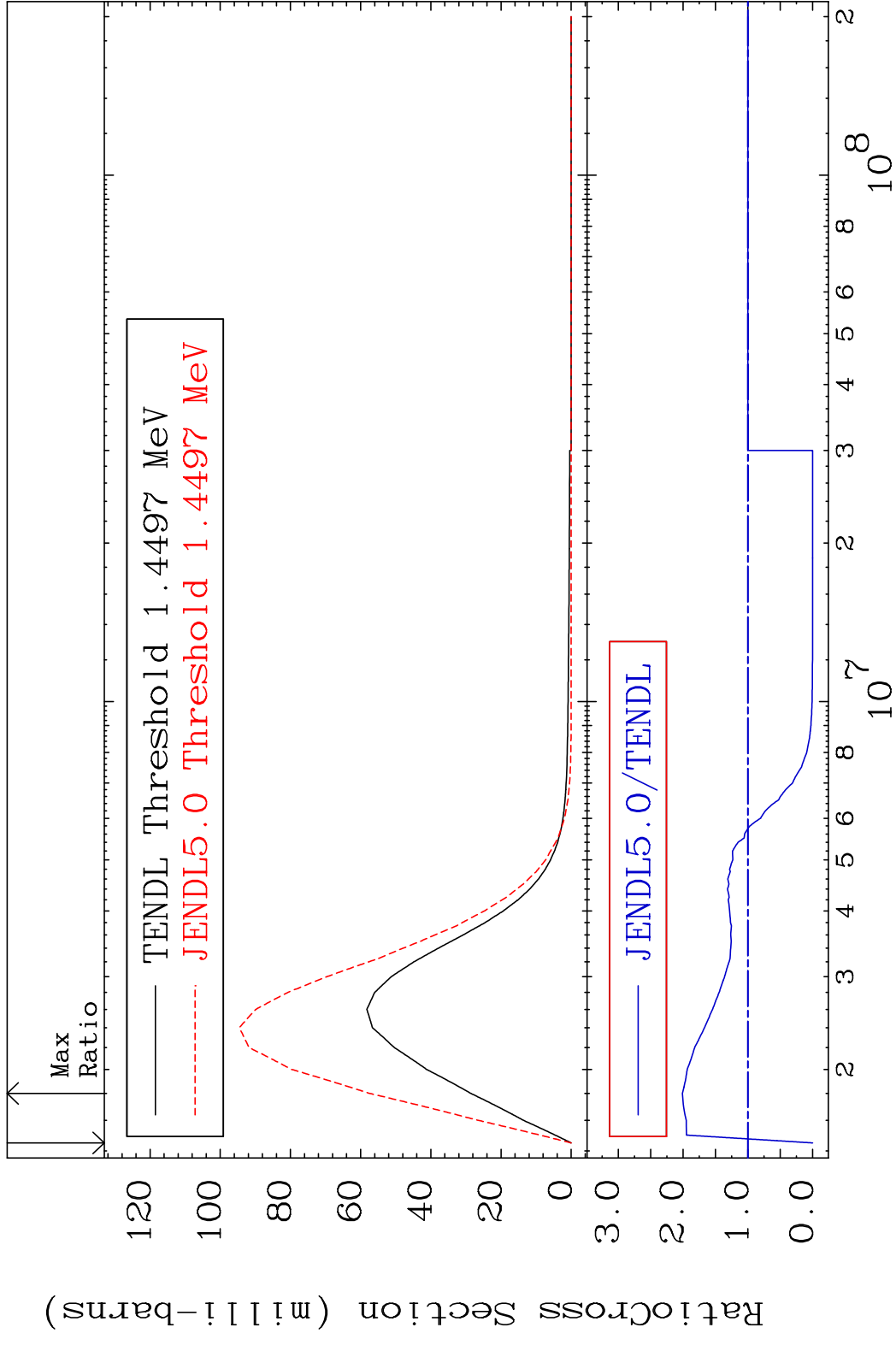
MAT 5425 MT= 54 (n, n') Level 54-Xe-124  
 Cross Section -100.0 To 147.8 %



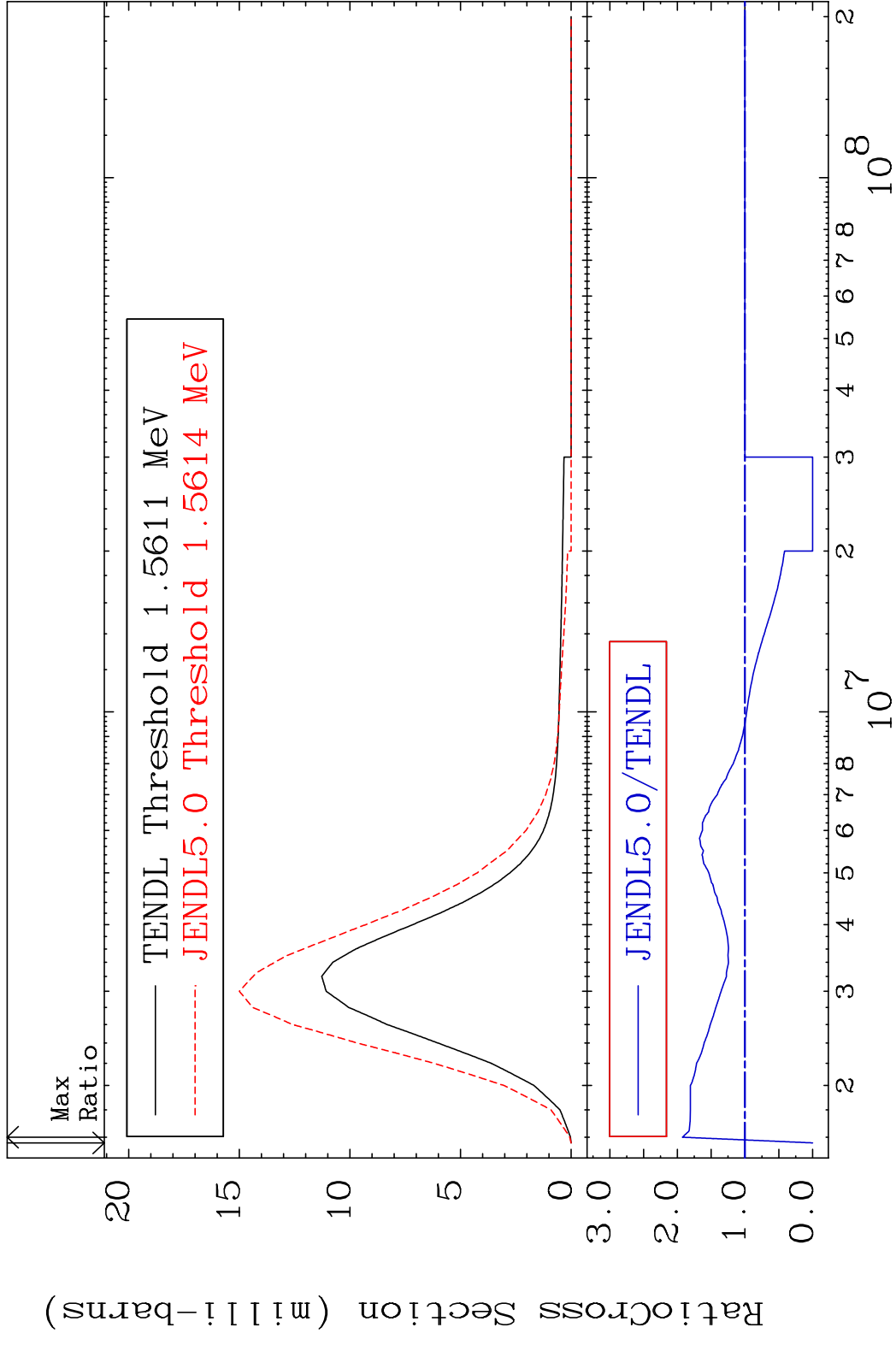
MAT 5425 MT= 55 (n, n') Level 54-Xe-124  
 Cross Section -100.0 To 142.3 %



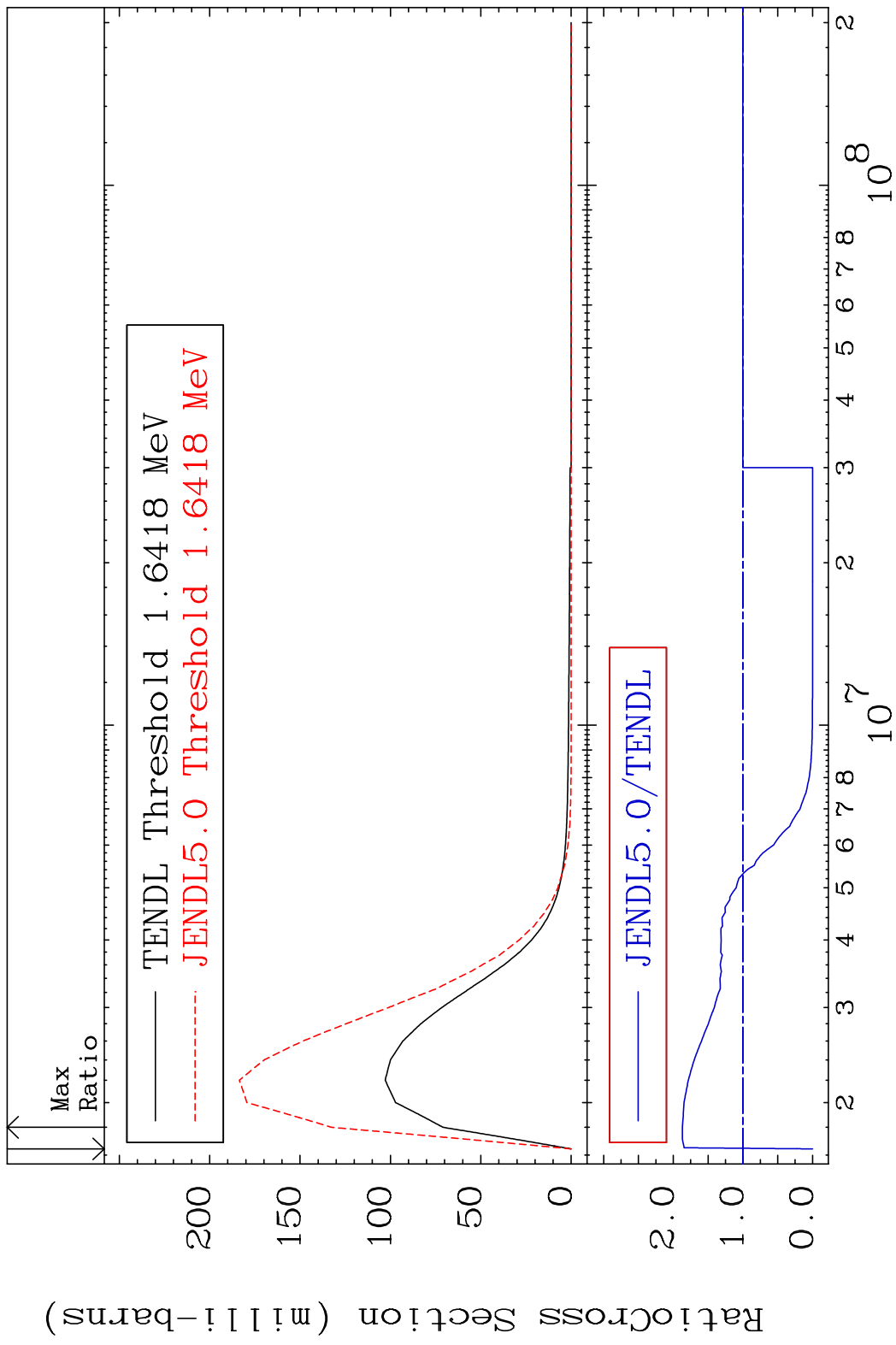
MAT 5425 MT= 56 (n, n') Level 54-Xe-124  
 Cross Section -100.0 To 101.0 %



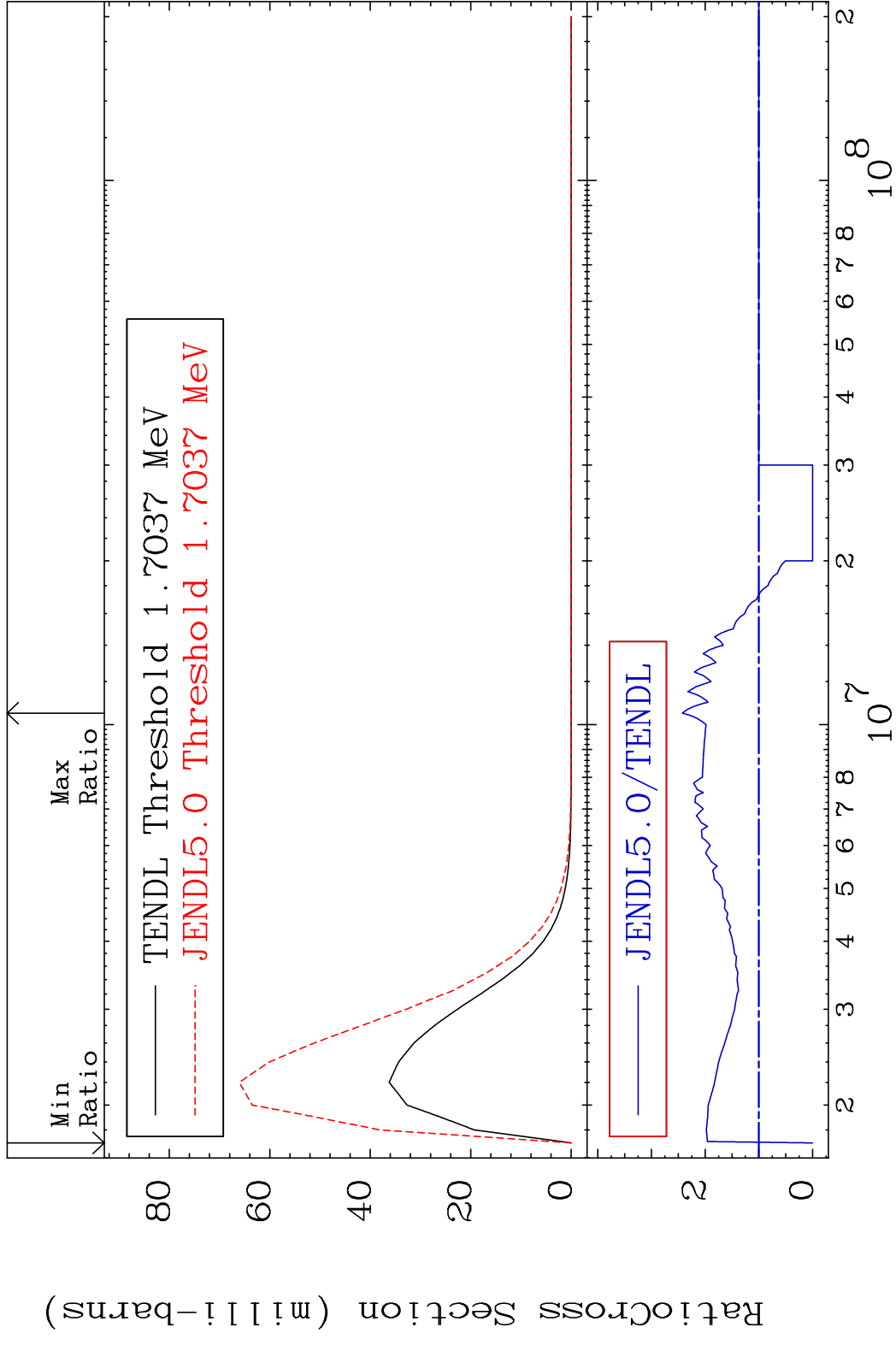
MAT 5425 MT= 57 (n,n') Level 54-Xe-124  
 Cross Section -100.0 To 92.69 %



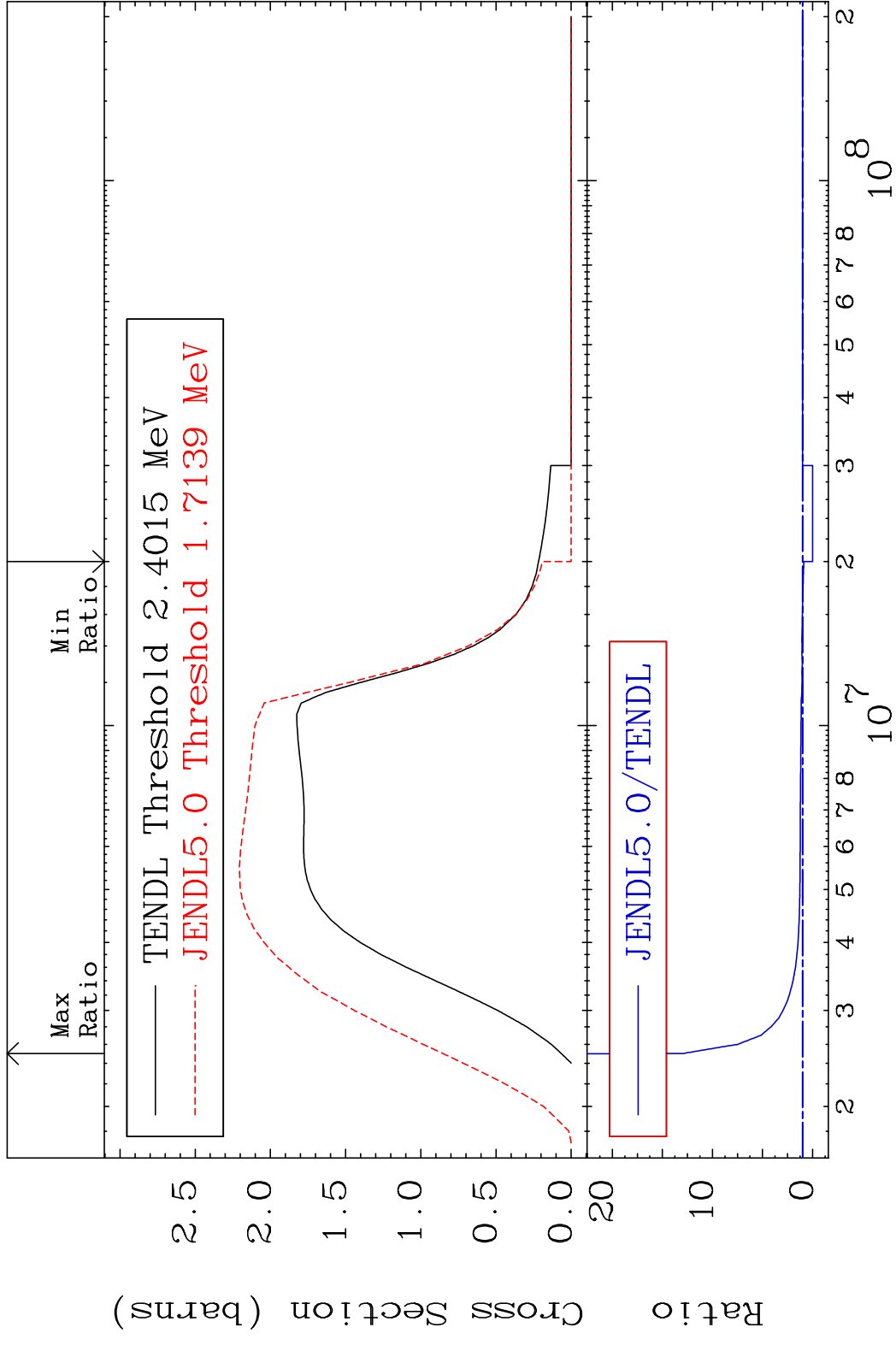
MAT 5425 MT= 58 (n, n') Level 54-Xe-124  
 Cross Section -100.0 To 86.94 %



MAT 5425 MT= 59 (n, n') Level 54-Xe-124  
 Cross Section -100.0 To 142.5 %



MAT 5425 (n, n') Continuum 54-Xe-124  
 Cross Section -100.0 To 1201. %

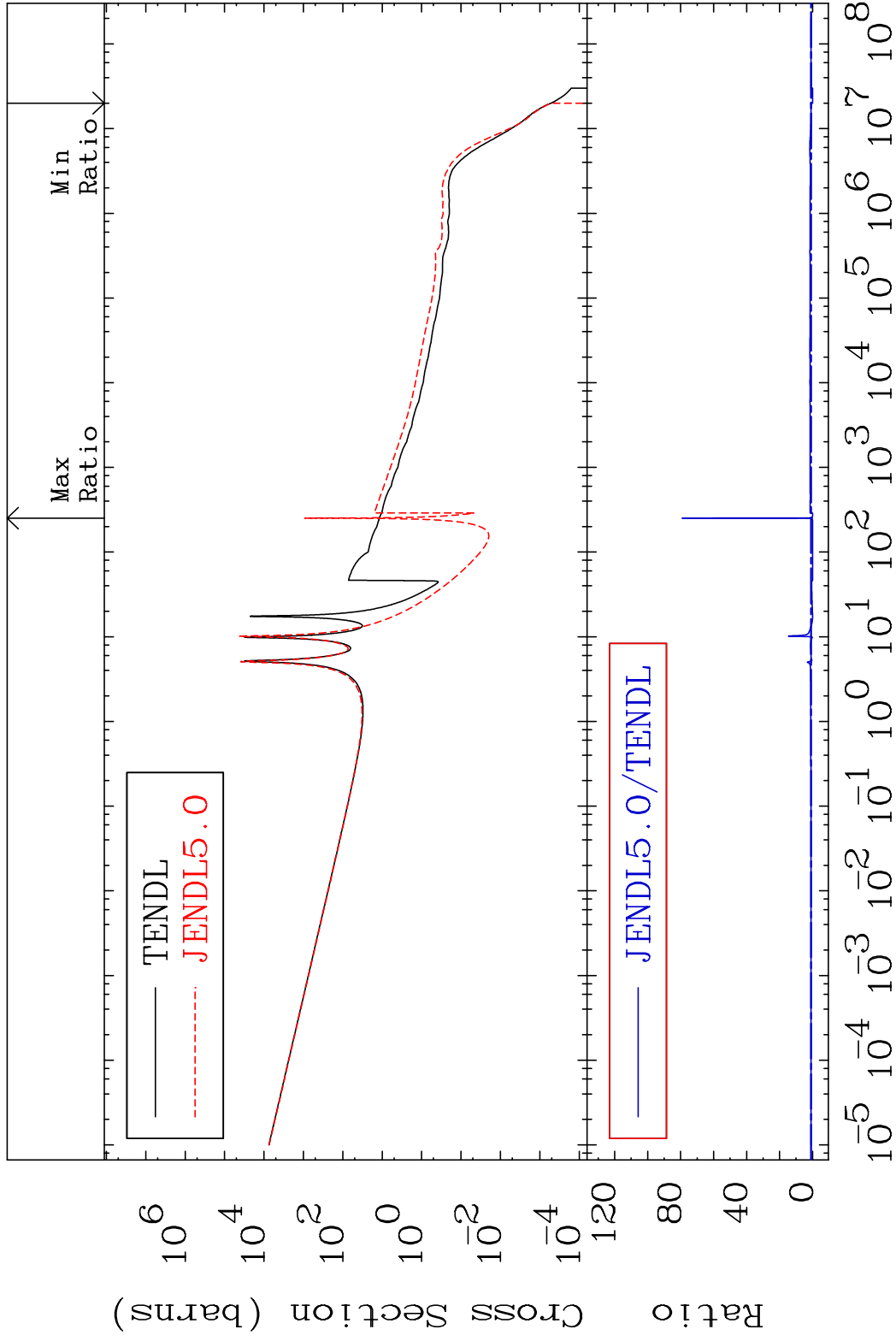


MAT 5425

(n,  $\gamma$ )

54-Xe-124

Cross Section -100.0 To 7796. %



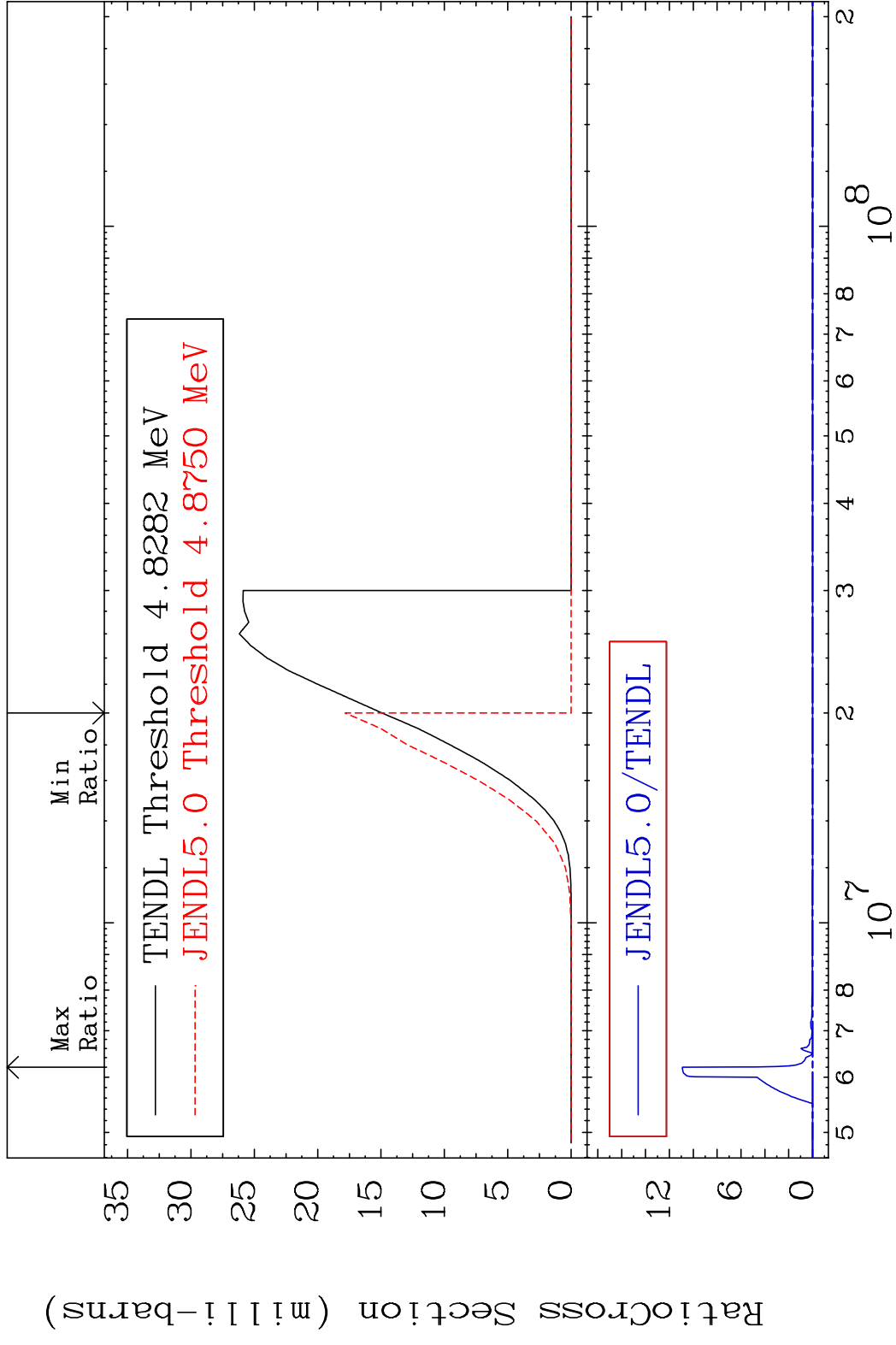
20

Incident Energy (eV)

54-Xe-124



MAT 5425 (n,d) 54-Xe-124  
 Cross Section -100.0 To 9999. %

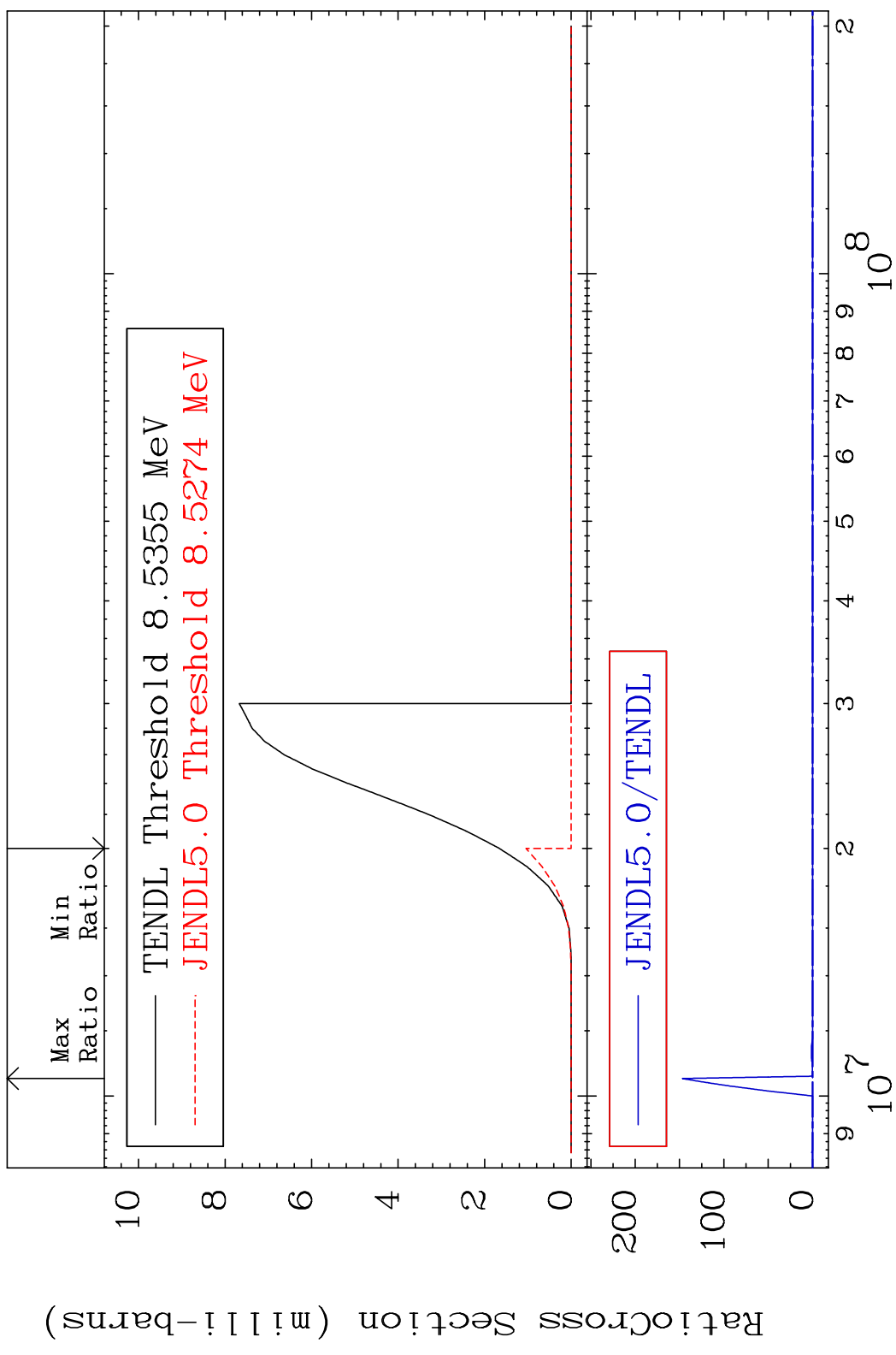


MAT 5425

(n, t)

54-Xe-124

Cross Section -100.0 To 9999. %



23

Incident Energy (eV)

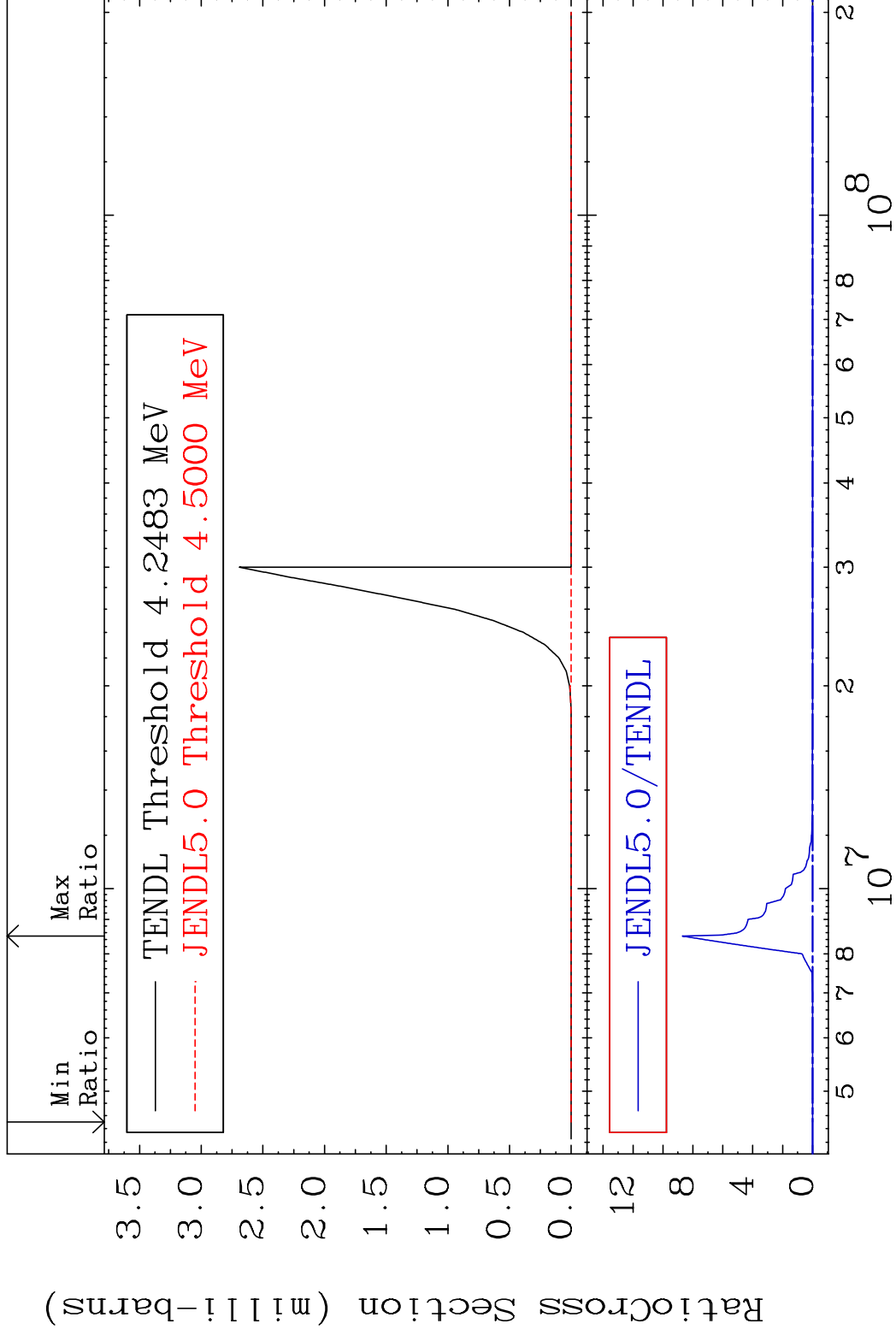
54-Xe-124

MAT 5425

(n, He-3)

54-Xe-124

Cross Section -100.0 To 9999. %



24

Incident Energy (eV)

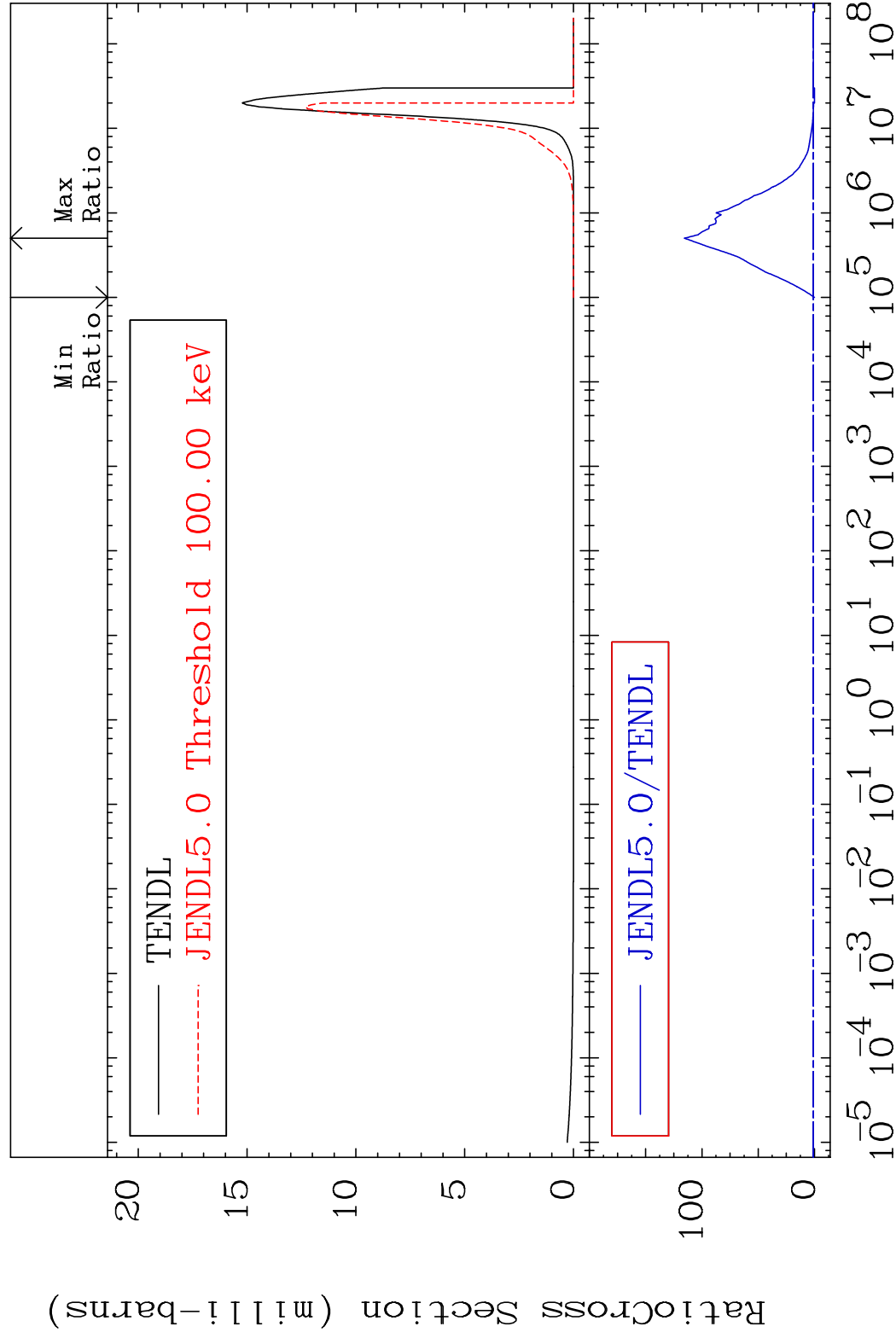
54-Xe-124

MAT 5425

(n,  $\alpha$ )

54-Xe-124

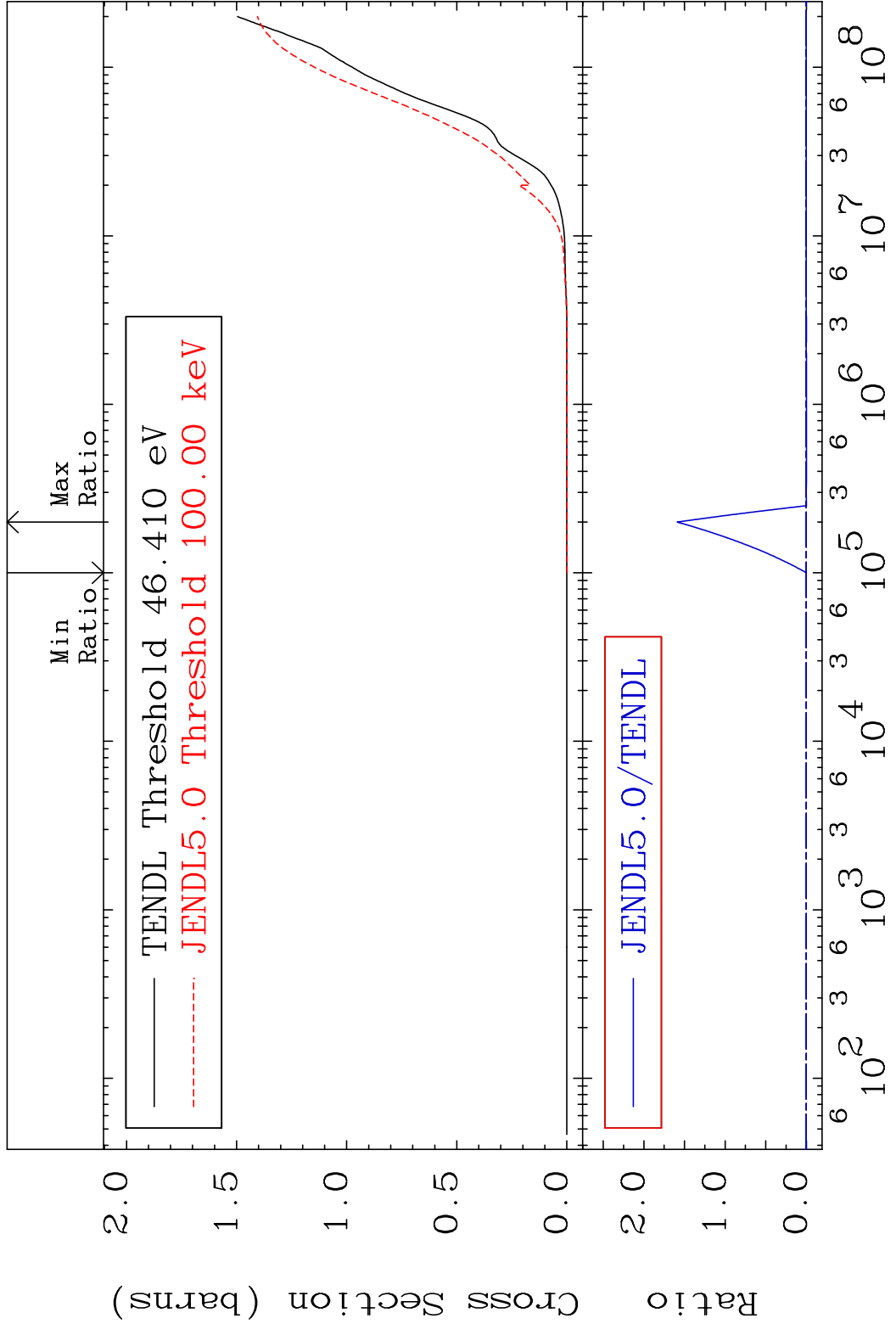
Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

54-Xe-124

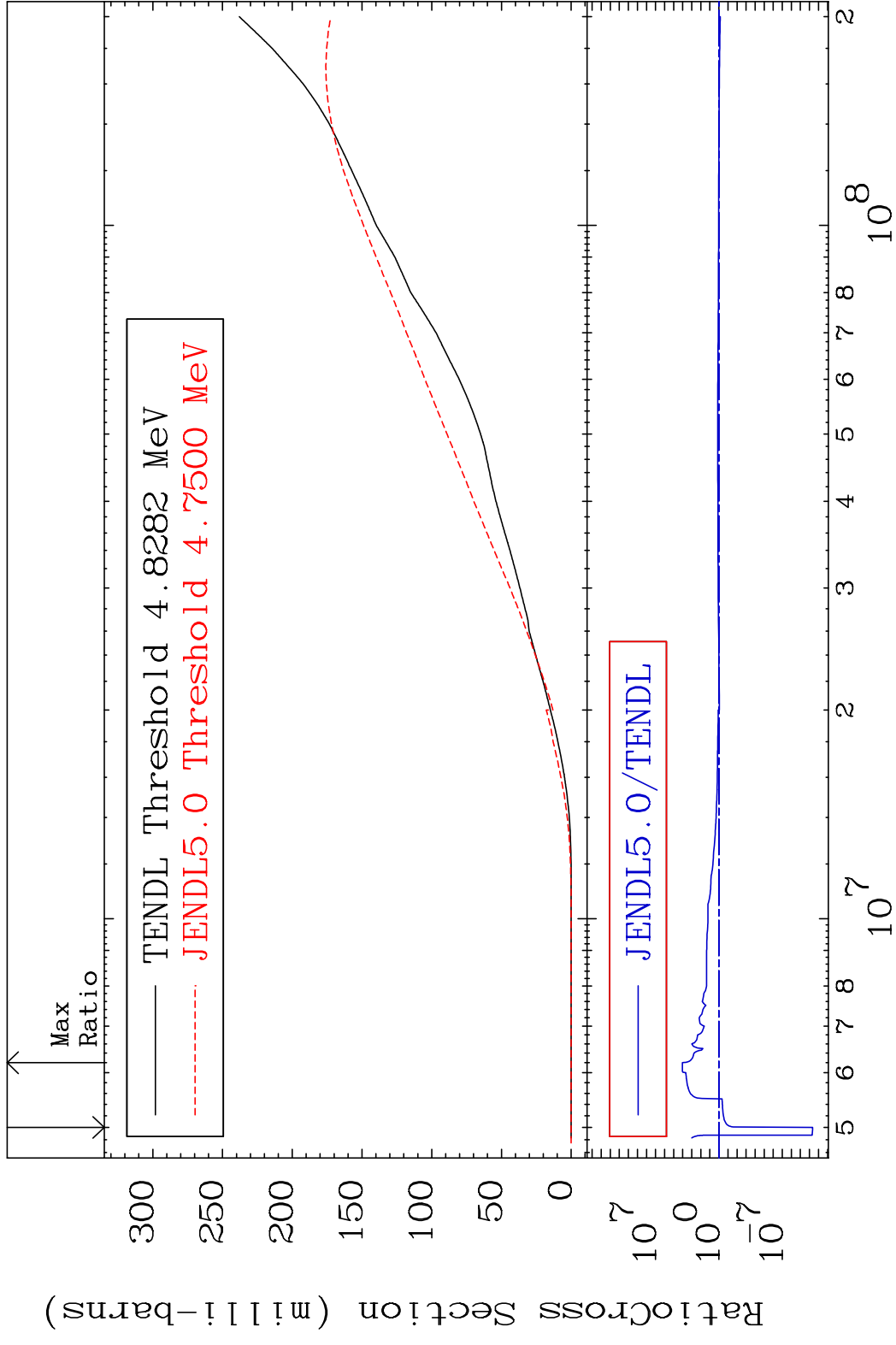


MAT 5425

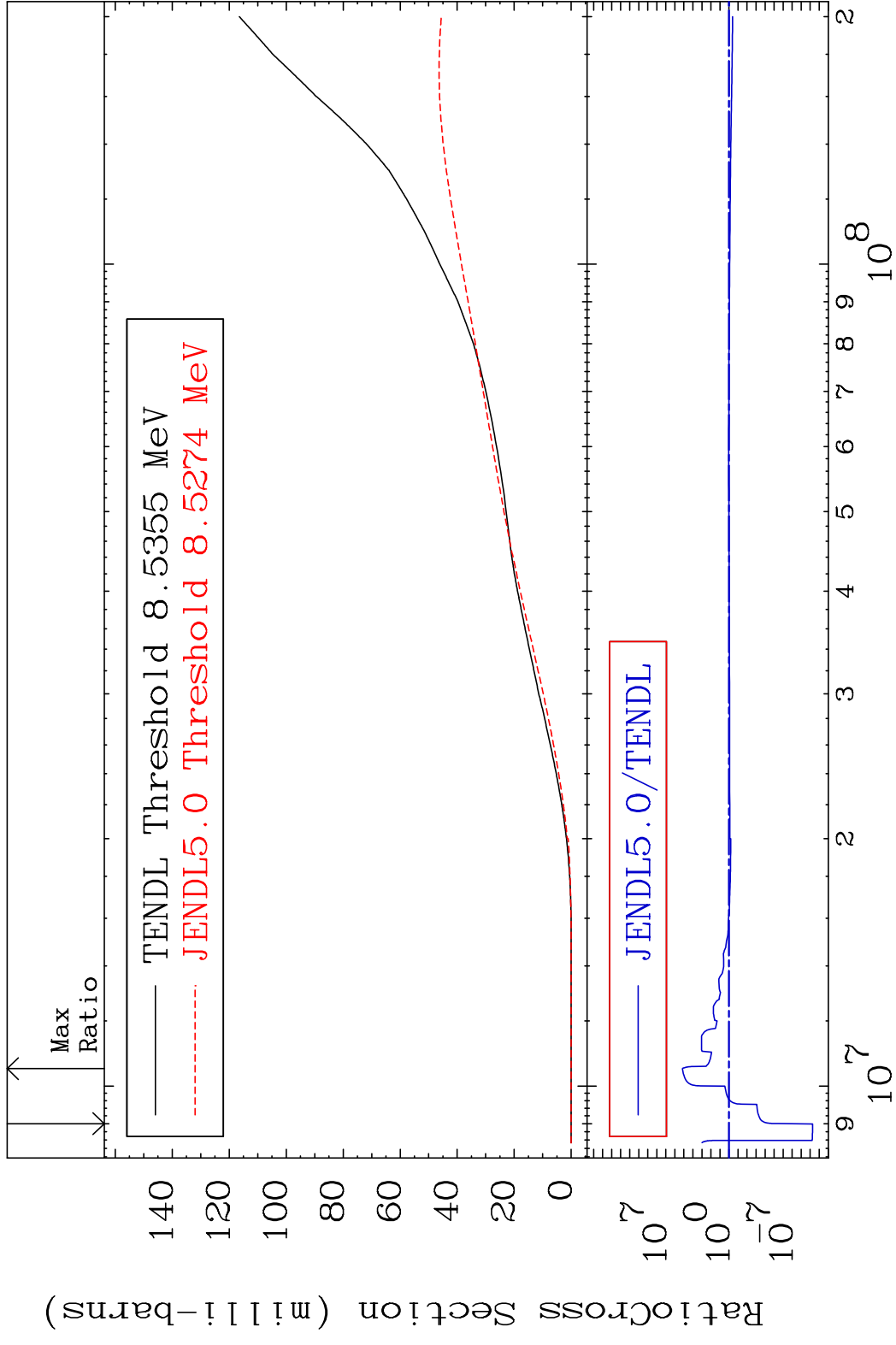
Deuterium Production

54-Xe-124

Cross Section -100.0 To 9999. %



MAT 5425 Tritium Production 54-Xe-124  
 Cross Section -100.0 To 9999. %



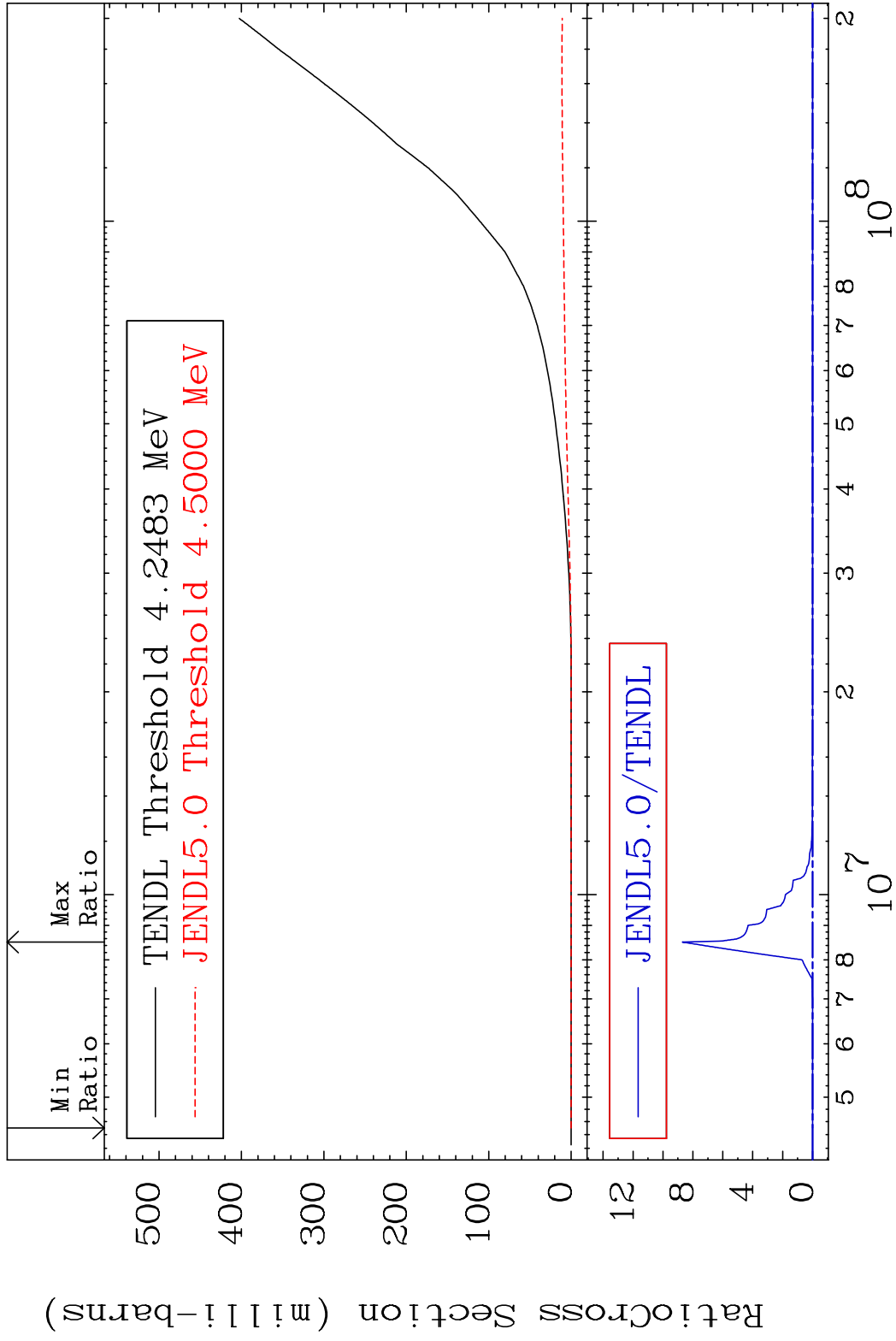
28 Incident Energy (eV) 54-Xe-124

MAT 5425

He-3 Production

54-Xe-124

Cross Section -100.0 To 9999. %

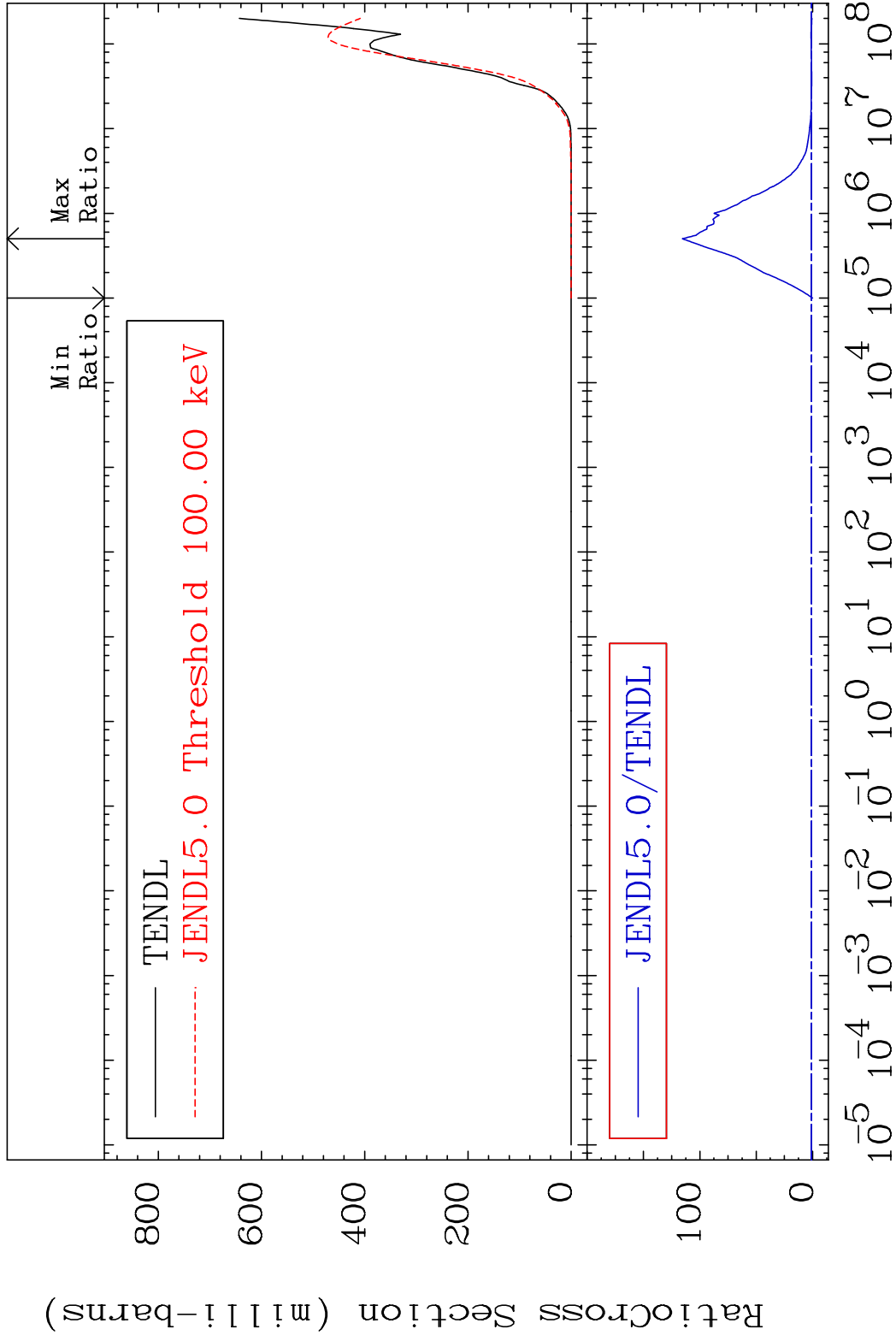


MAT 5425

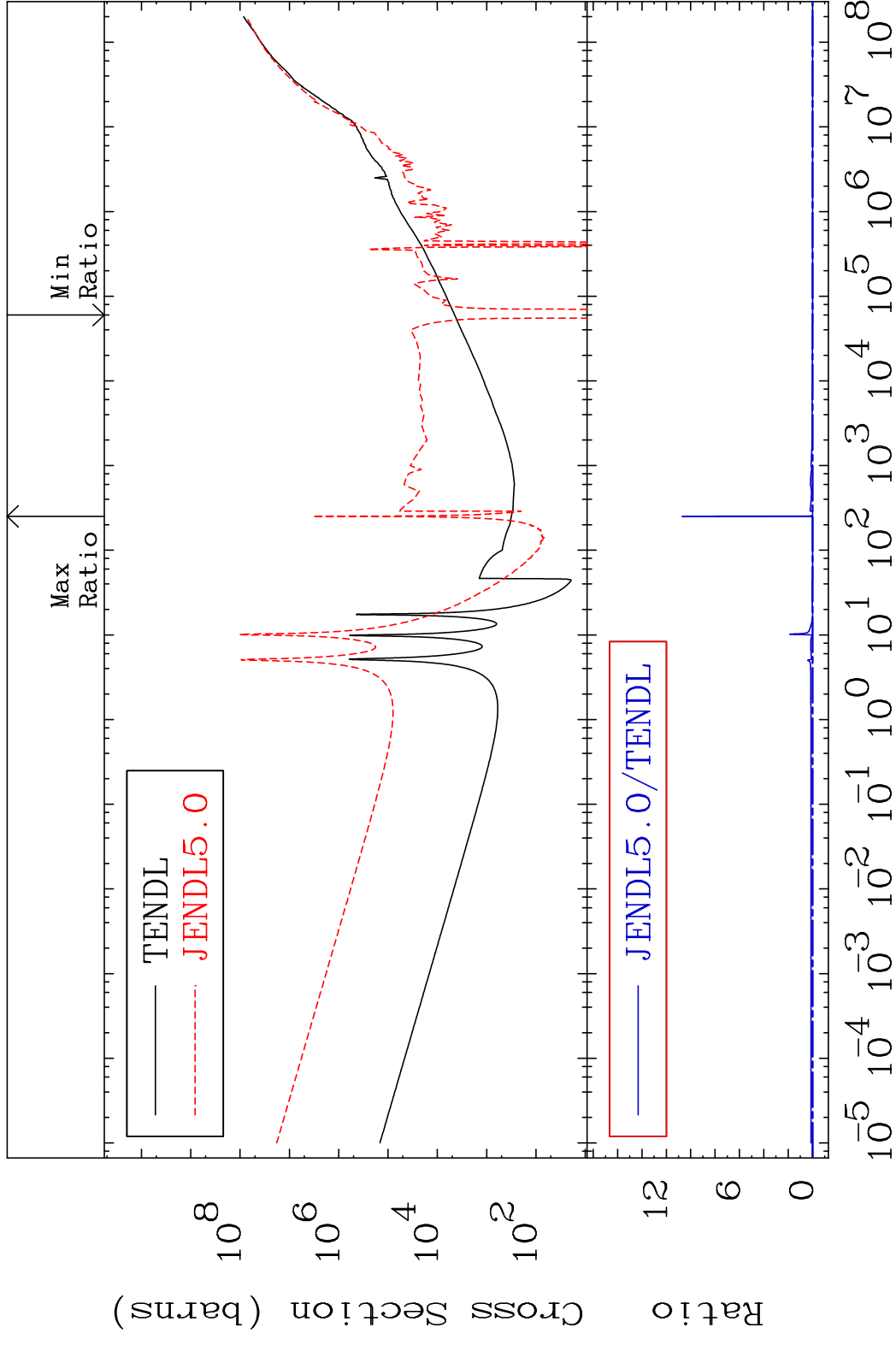
He-4 Production

54-Xe-124

Cross Section -100.0 To 9999. %



MAT 5425 Kerma total (eV-barns) 54-Xe-124  
 Cross Section -270.9 To 9999. %

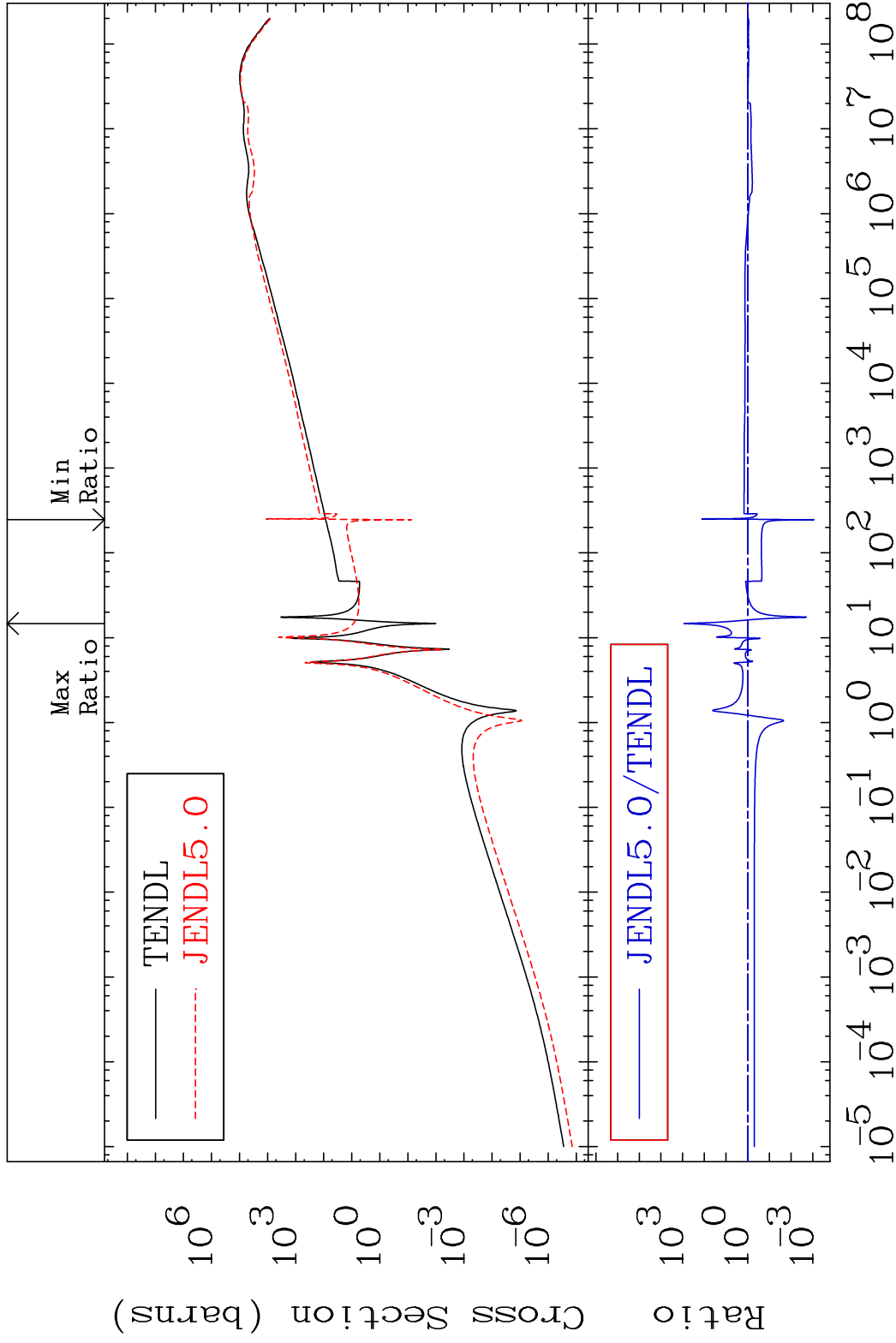


MAT 5425

54-Xe-124

Kerma elastic

Cross Section -99.91 To 9999. %

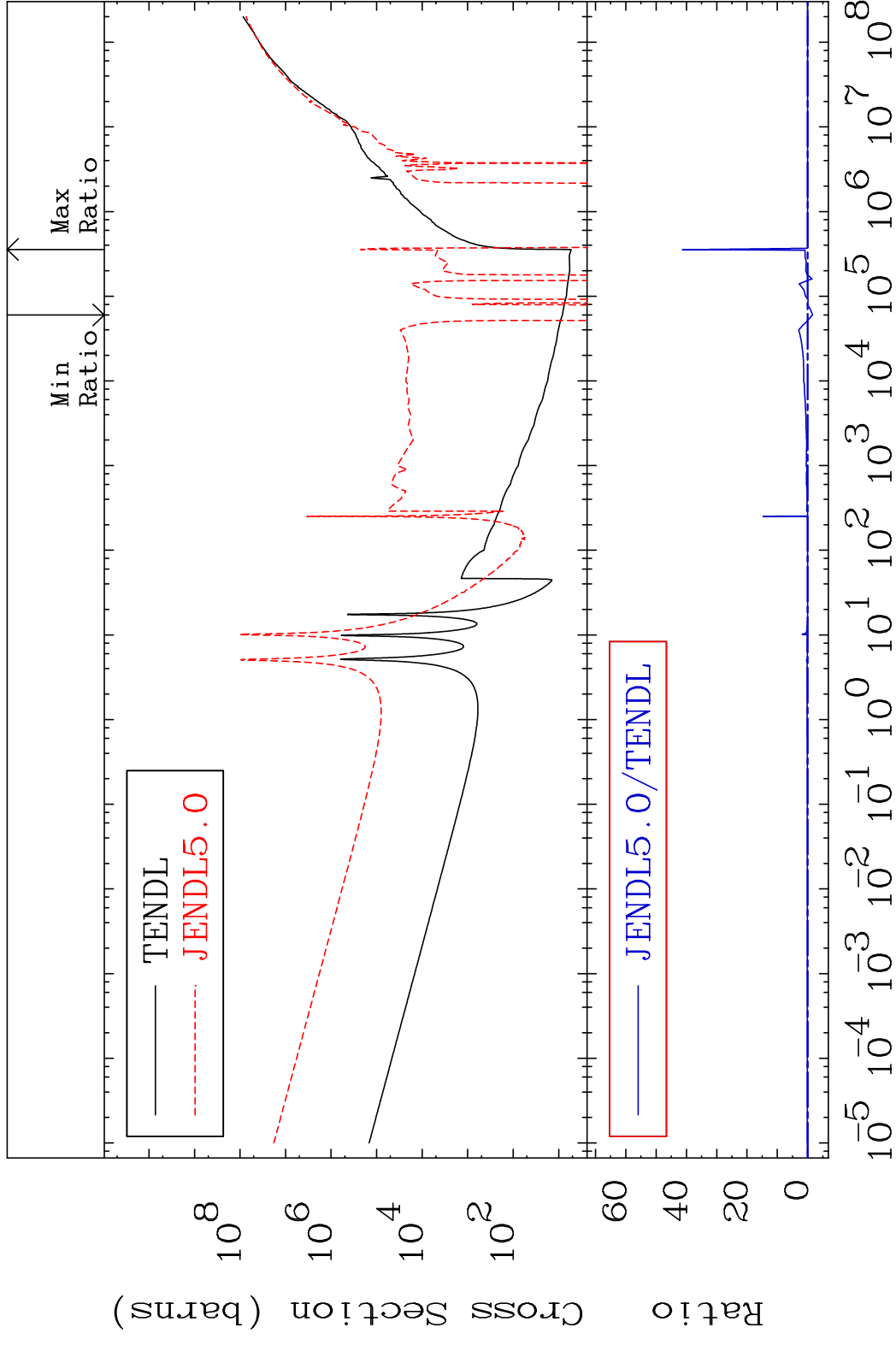


32

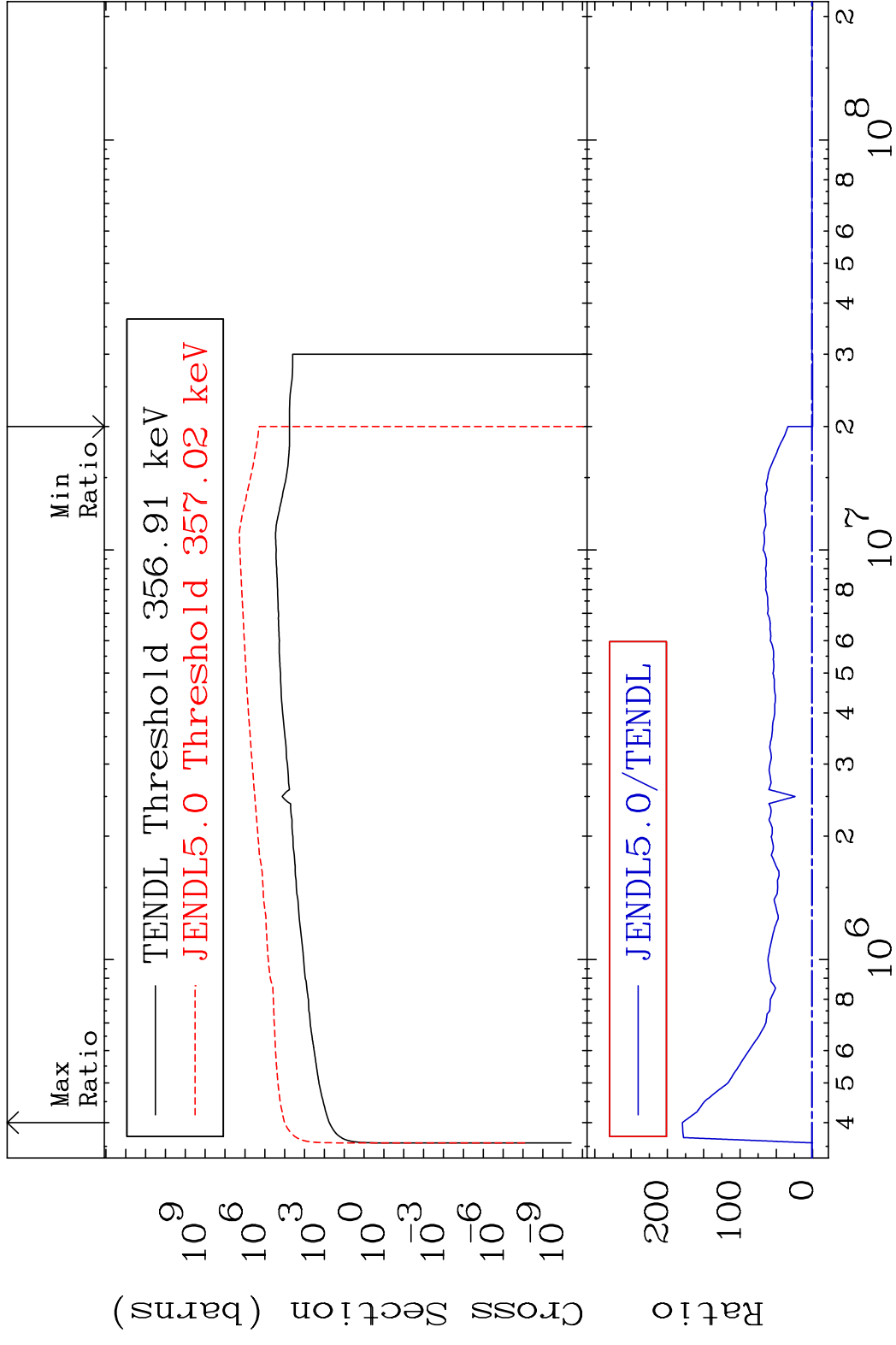
Incident Energy (eV)

54-Xe-124

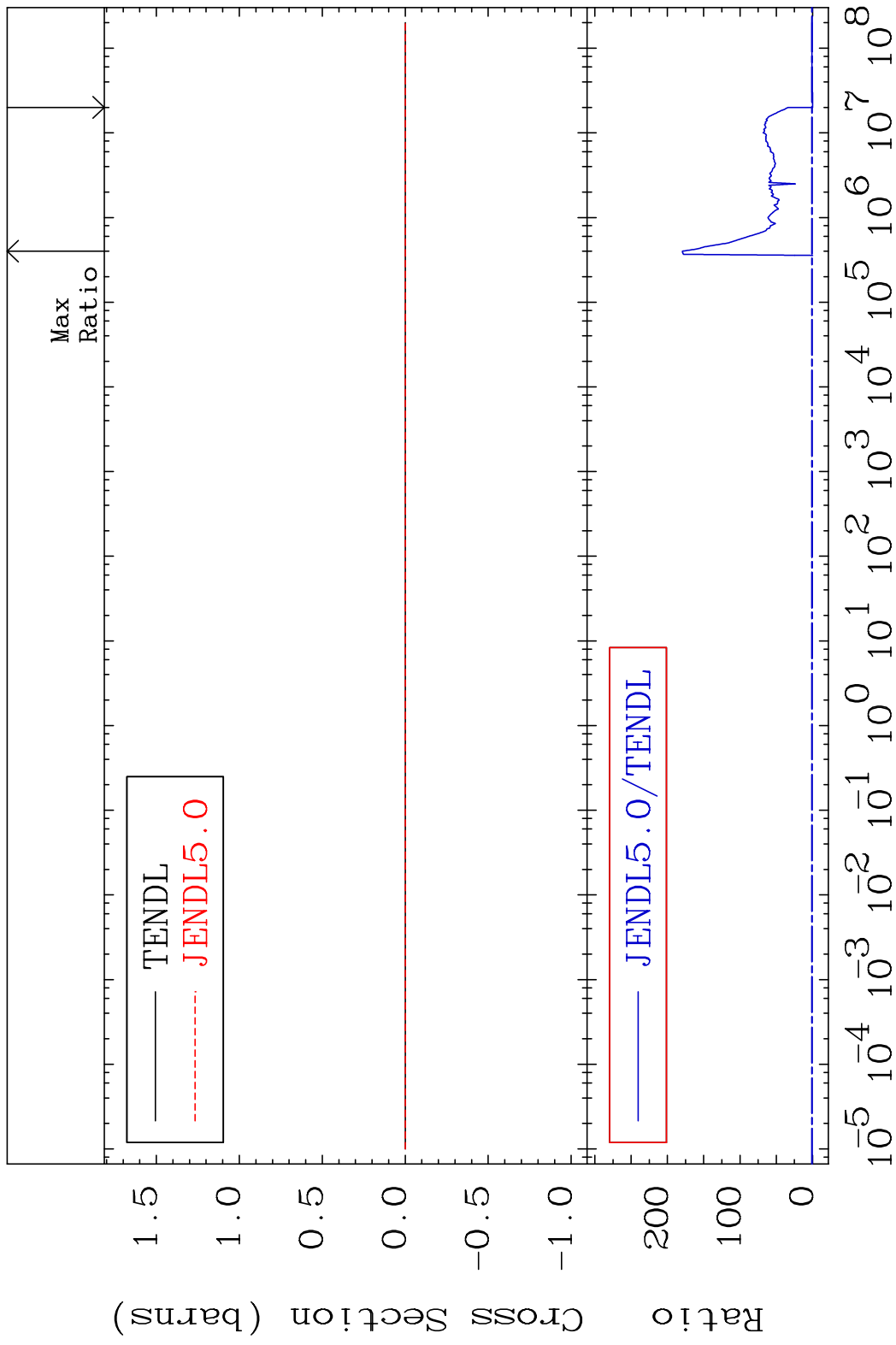
MAT 5425 Kerma non-elastic (all but mt2) 54-Xe-124  
 Cross Section -9999. To 9999. %



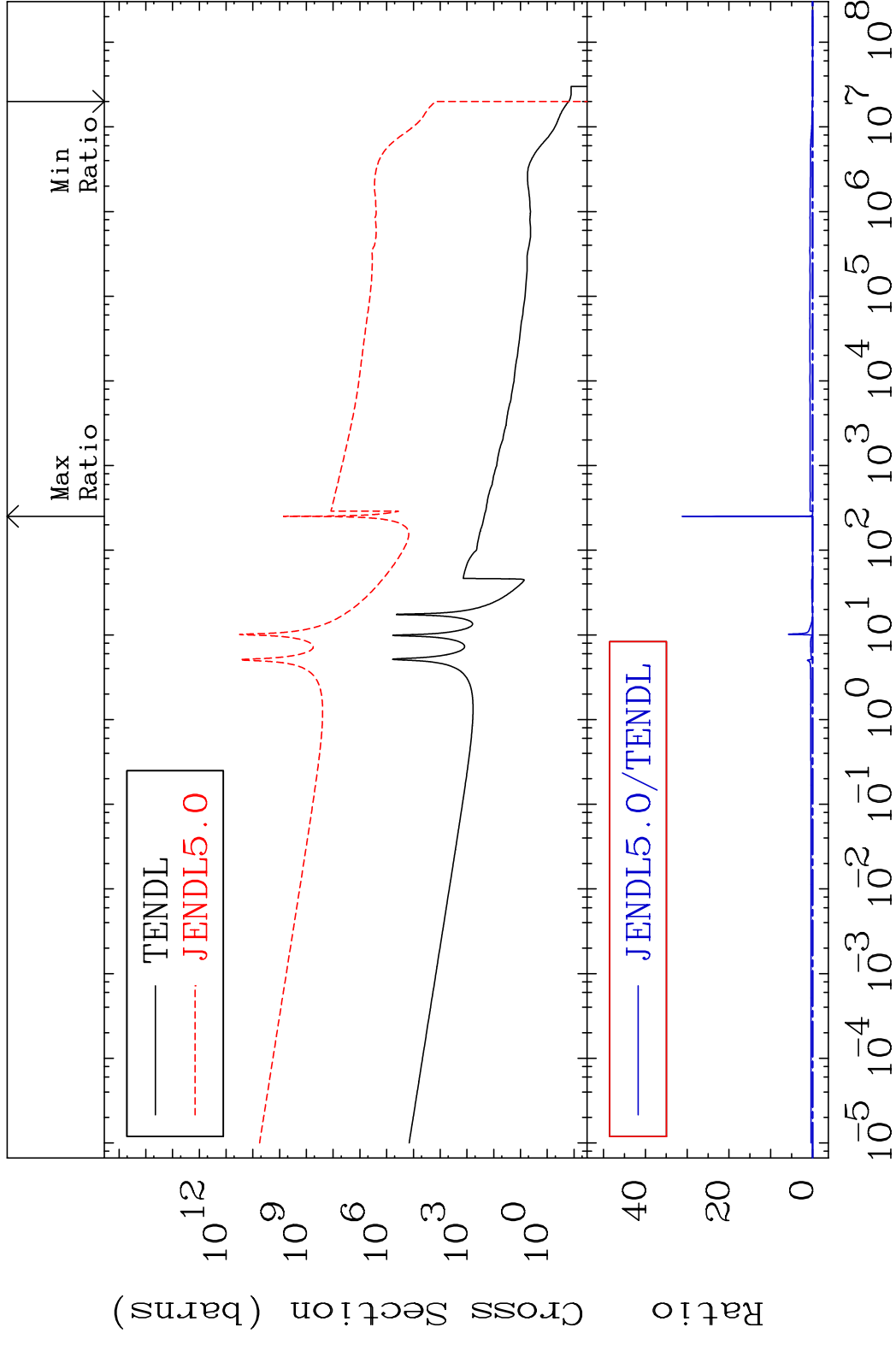
MAT 5425 Kerma inelastic (mt51-91) 54-Xe-124  
 Cross Section -100.0 To 9999. %



MAT 5425 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-124  
 Cross Section -100.0 To 9999. %

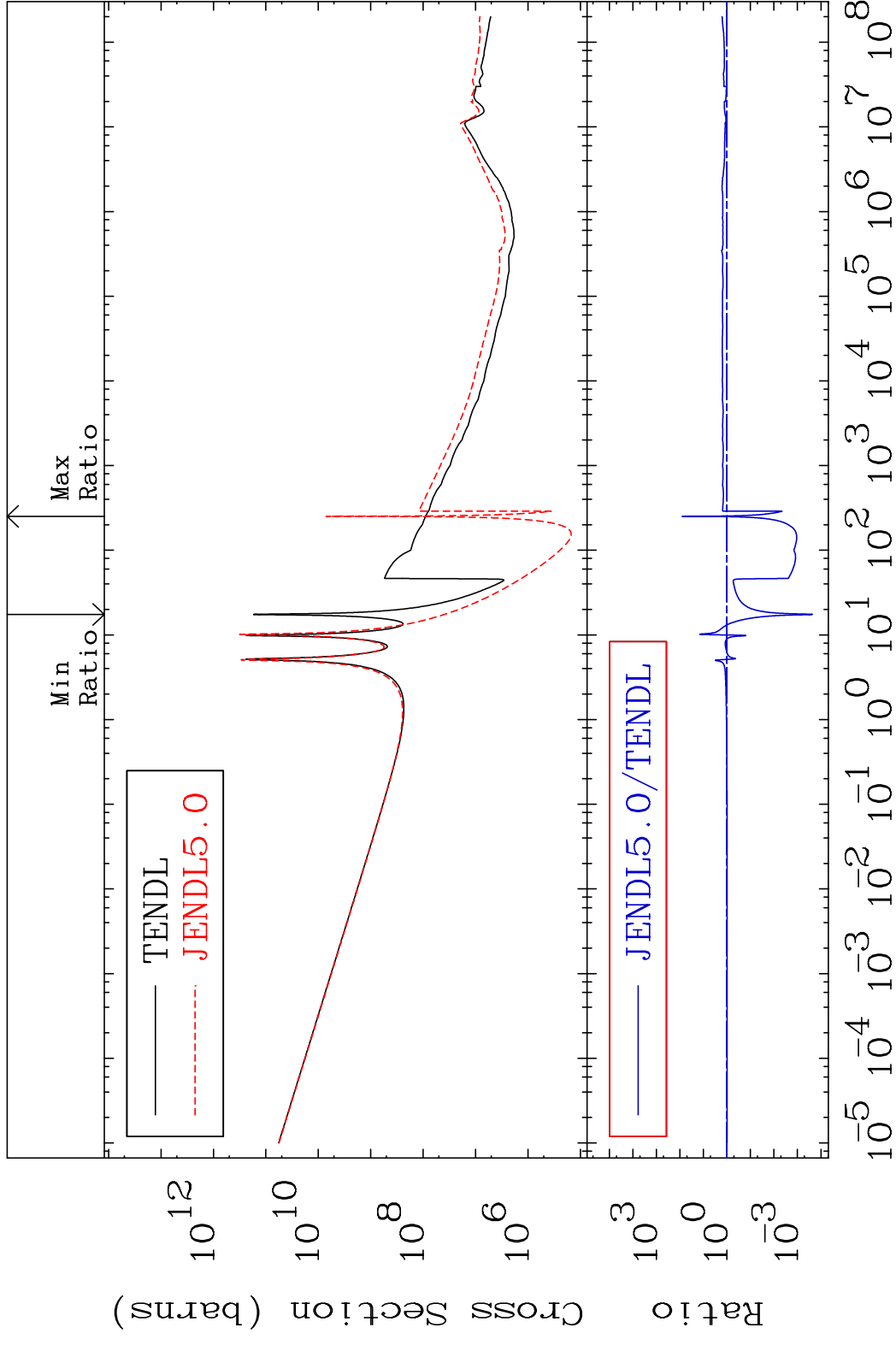


MAT 5425 Kerma capture (mt102) 54-Xe-124  
 Cross Section -100.0 To 9999. %

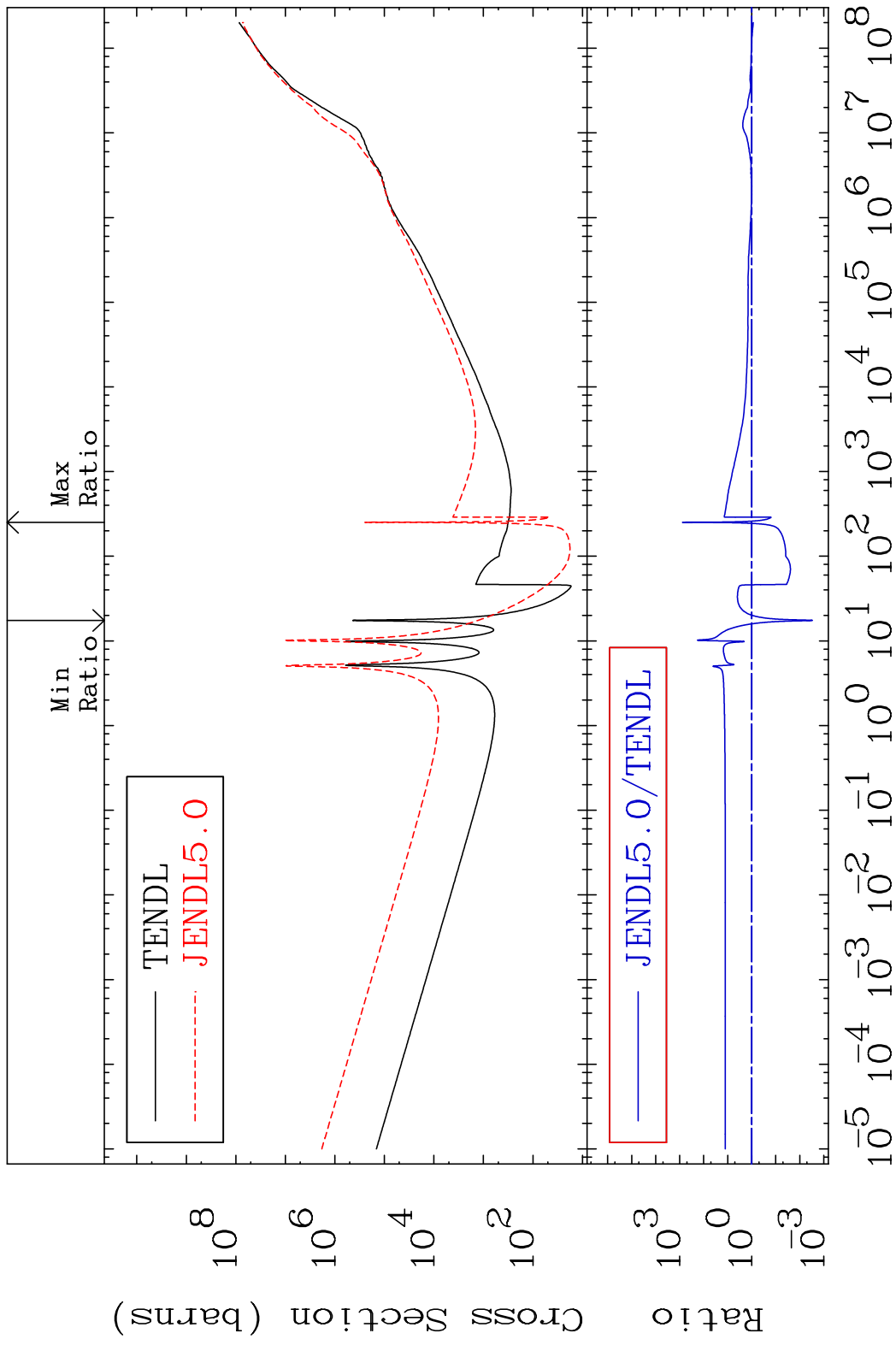


36 Incident Energy (eV) 54-Xe-124

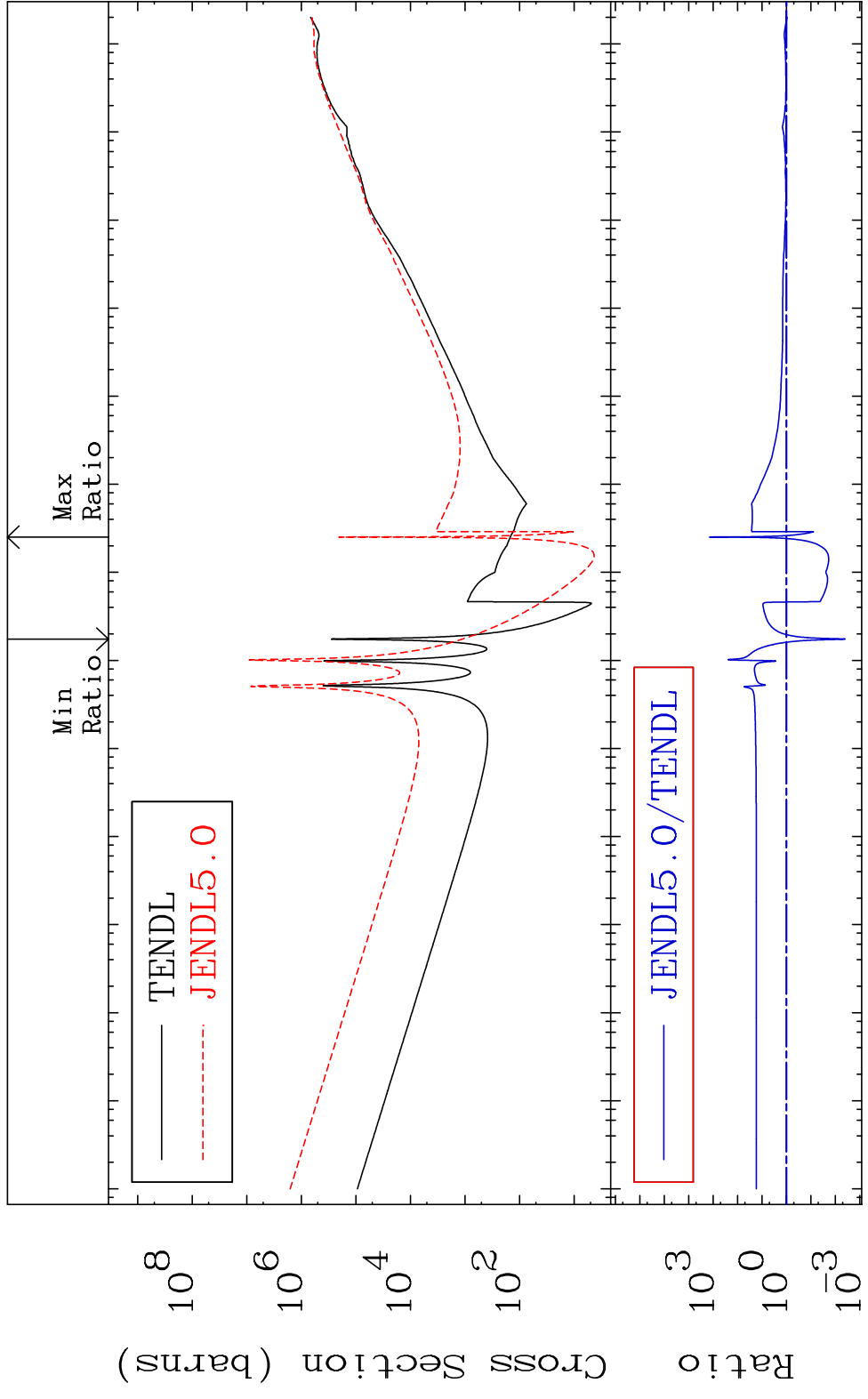
MAT 5425 Total photon (eV-barns) 54-Xe-124  
 Cross Section -99.98 To 7793. %



MAT 5425 Total kinematic kerma (high limit) 54-Xe-124  
 Cross Section -99.71 To 9999. %



MAT 5425      Dpa total (eV-barns)      54-Xe-124  
 Cross Section      -99.61 To 9999. %



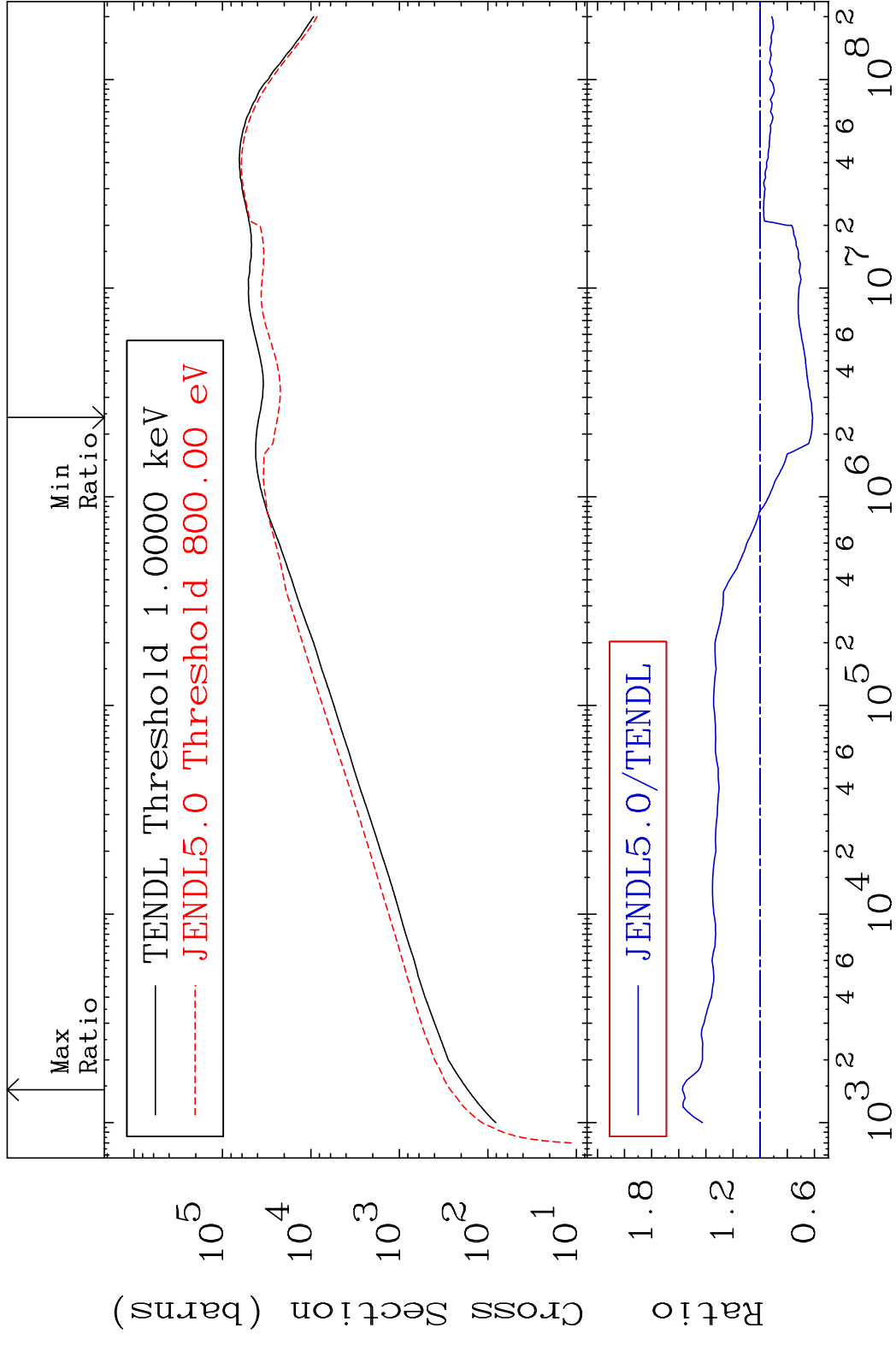
MAT 5425

Dpa elastic (mt2)

54-Xe-124

Cross Section

-38.56 To 57.41 %

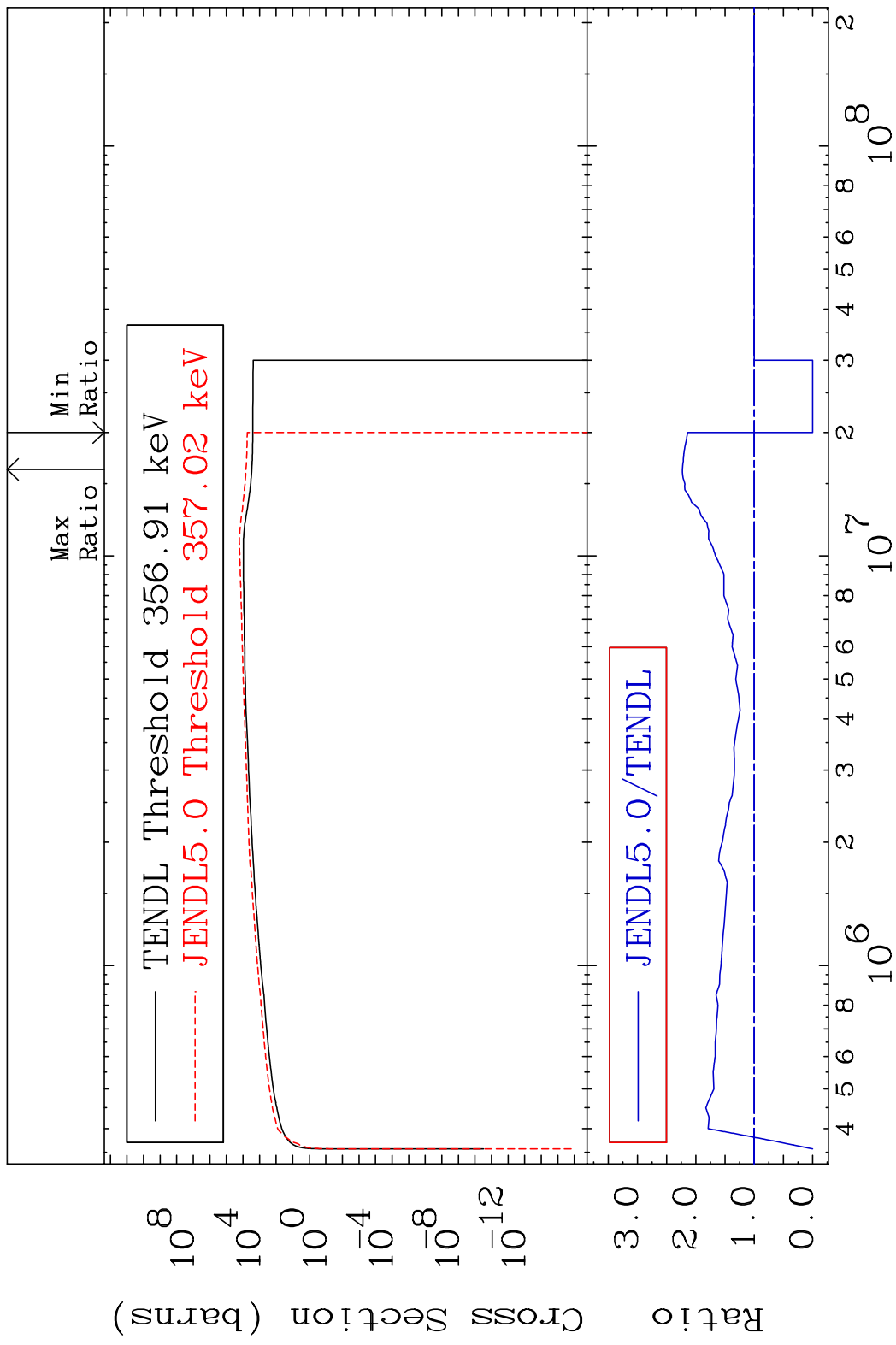


40

Incident Energy (eV)

54-Xe-124

MAT 5425 Dpa inelastic (mt51-91) 54-Xe-124  
 Cross Section -100.0 To 123.0 %



MAT 5425 Dpa disappearance (mt102 -120) 54-Xe-124  
 Cross Section -100.0 To 9999. %

