

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  
Web:redcullen1.net/HOMEPAGE.NEW

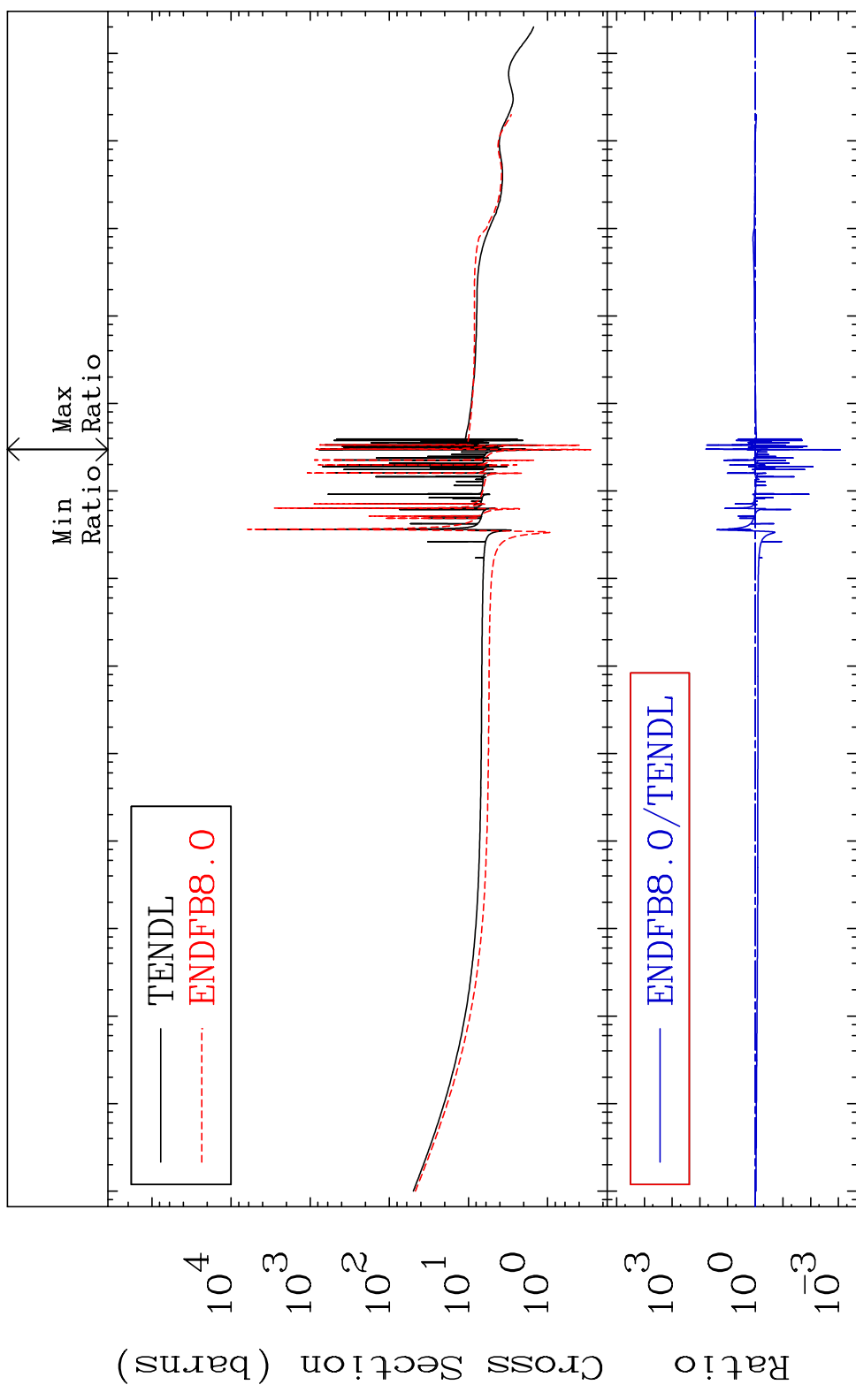
Press Mouse Button to Start

MAT 3825

Total

38-Sr-84

Cross Section -99.92 To 6027. %



1

Incident Energy (eV)

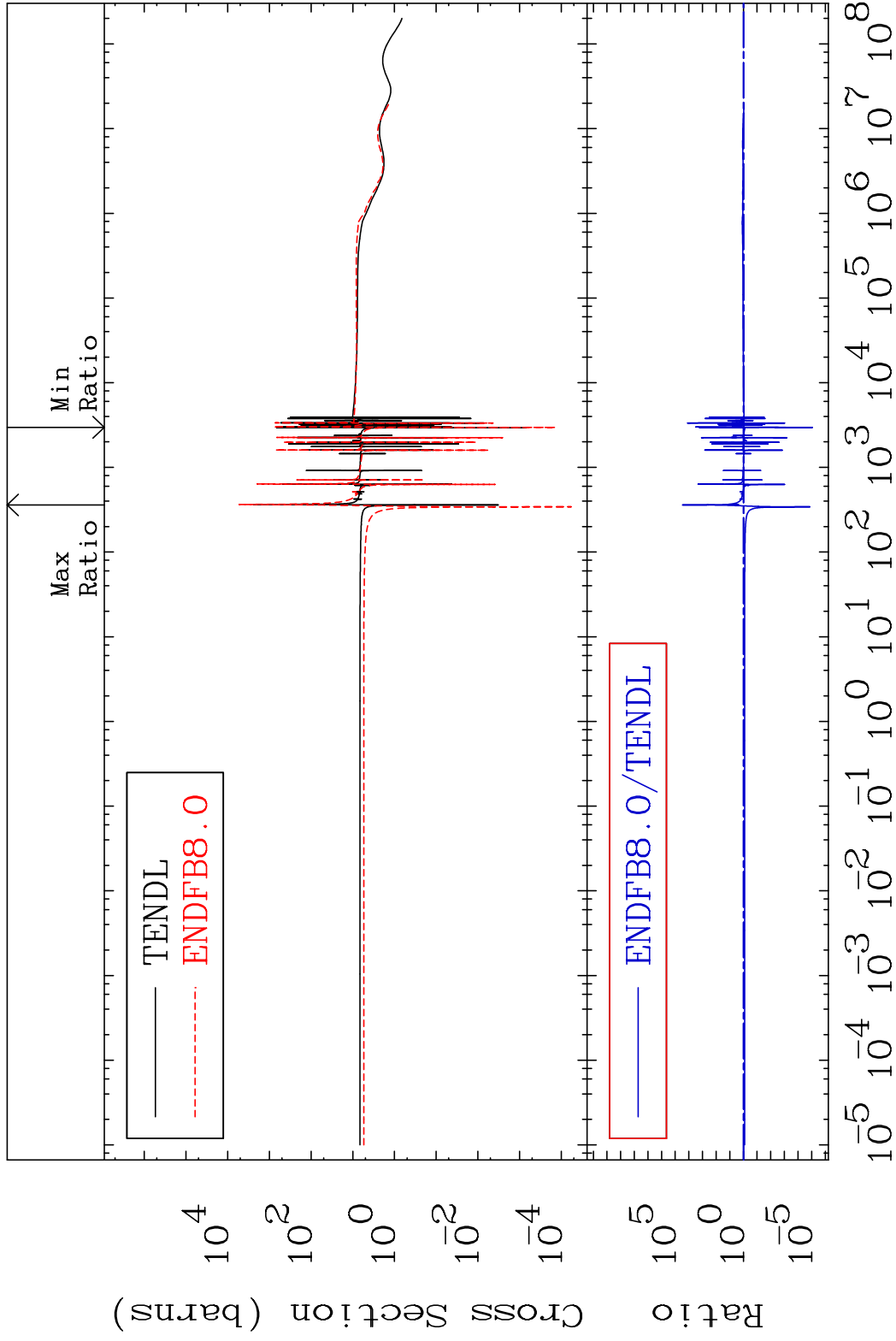
38-Sr-84

MAT 3825

Elastic

38-Sr-84

Cross Section -100.0 To 9999. %

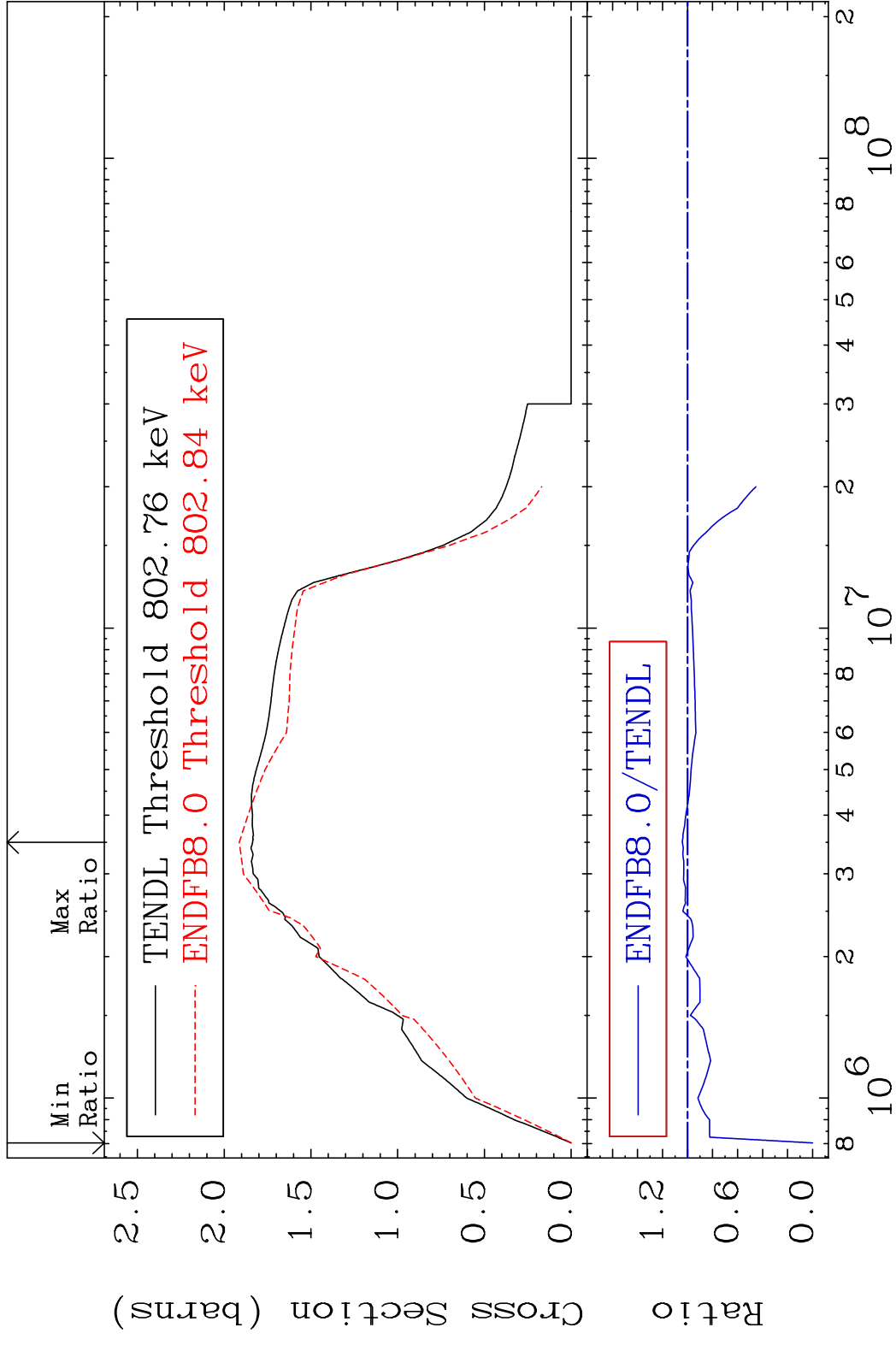


2

Incident Energy (eV)

38-Sr-84

MAT 3825 Inelastic 38-Sr-84  
 Cross Section -100.0 To 4.162 %



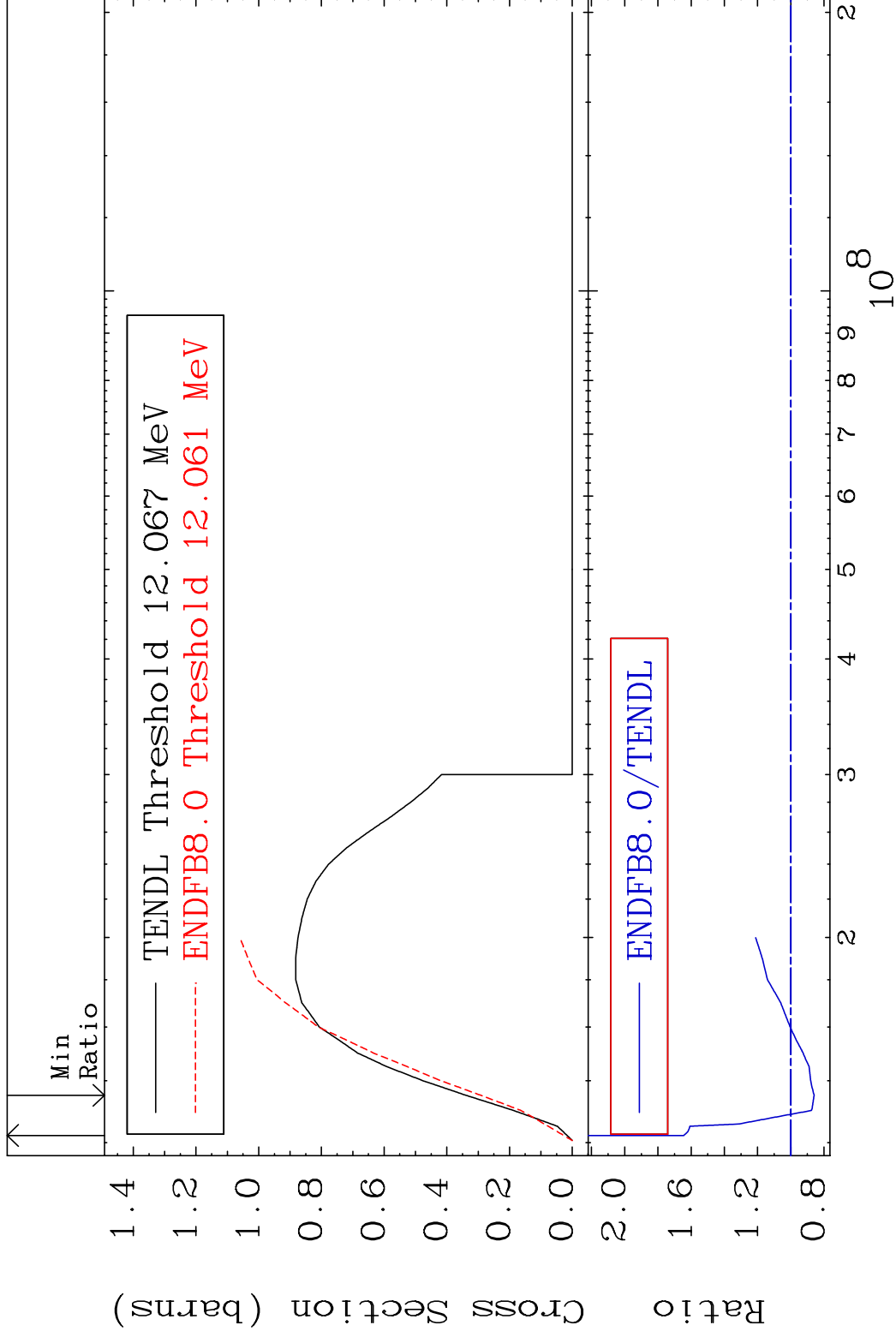
3 Incident Energy (eV) 38-Sr-84

MAT 3825

(n,2n)

38-Sr-84

Cross Section -14.03 To 64.51 %

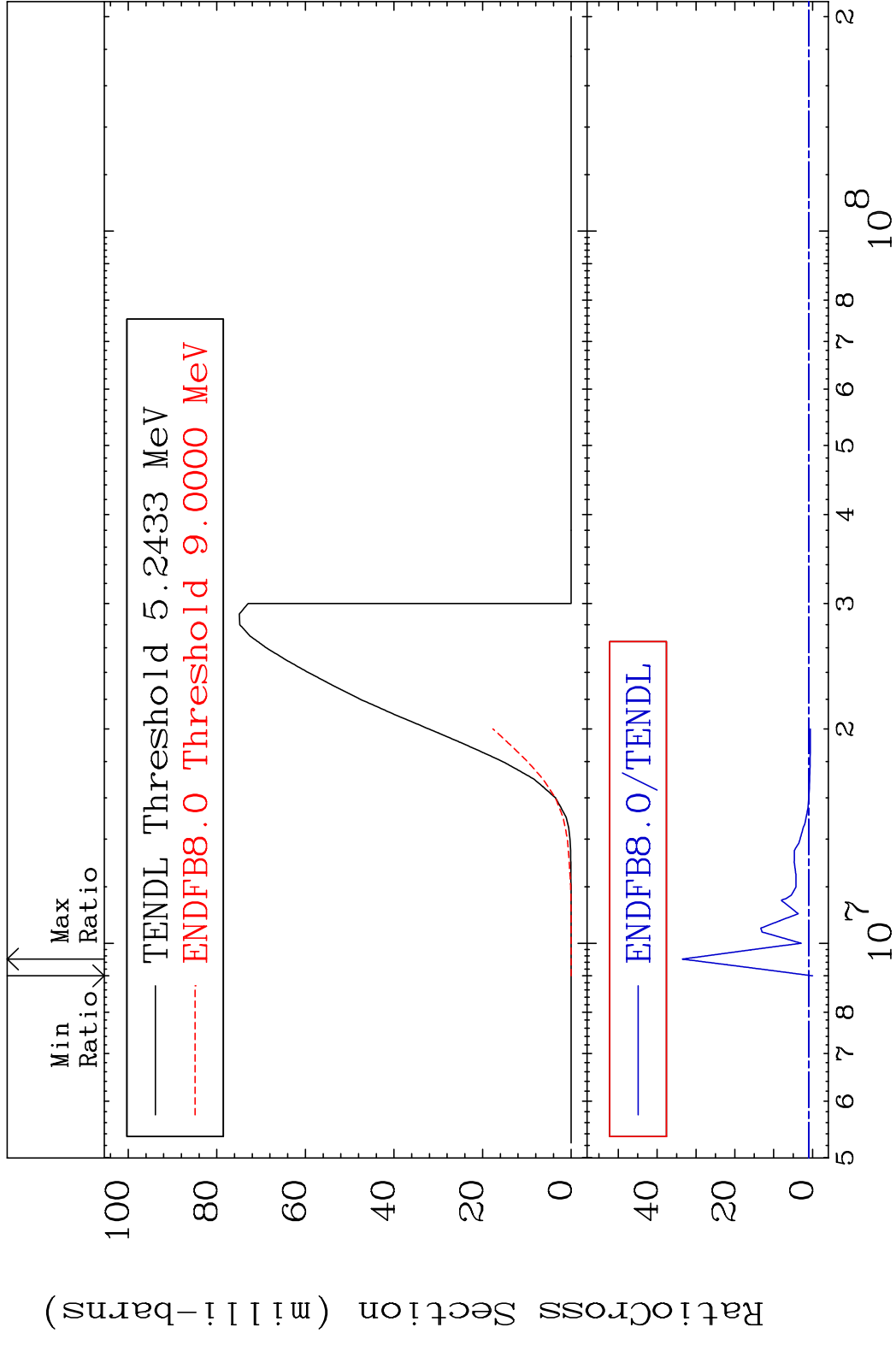


4

Incident Energy (eV)

38-Sr-84

MAT 3825 (n, n')  $\alpha$  38-Sr-84  
 Cross Section -100.0 To 3252. %



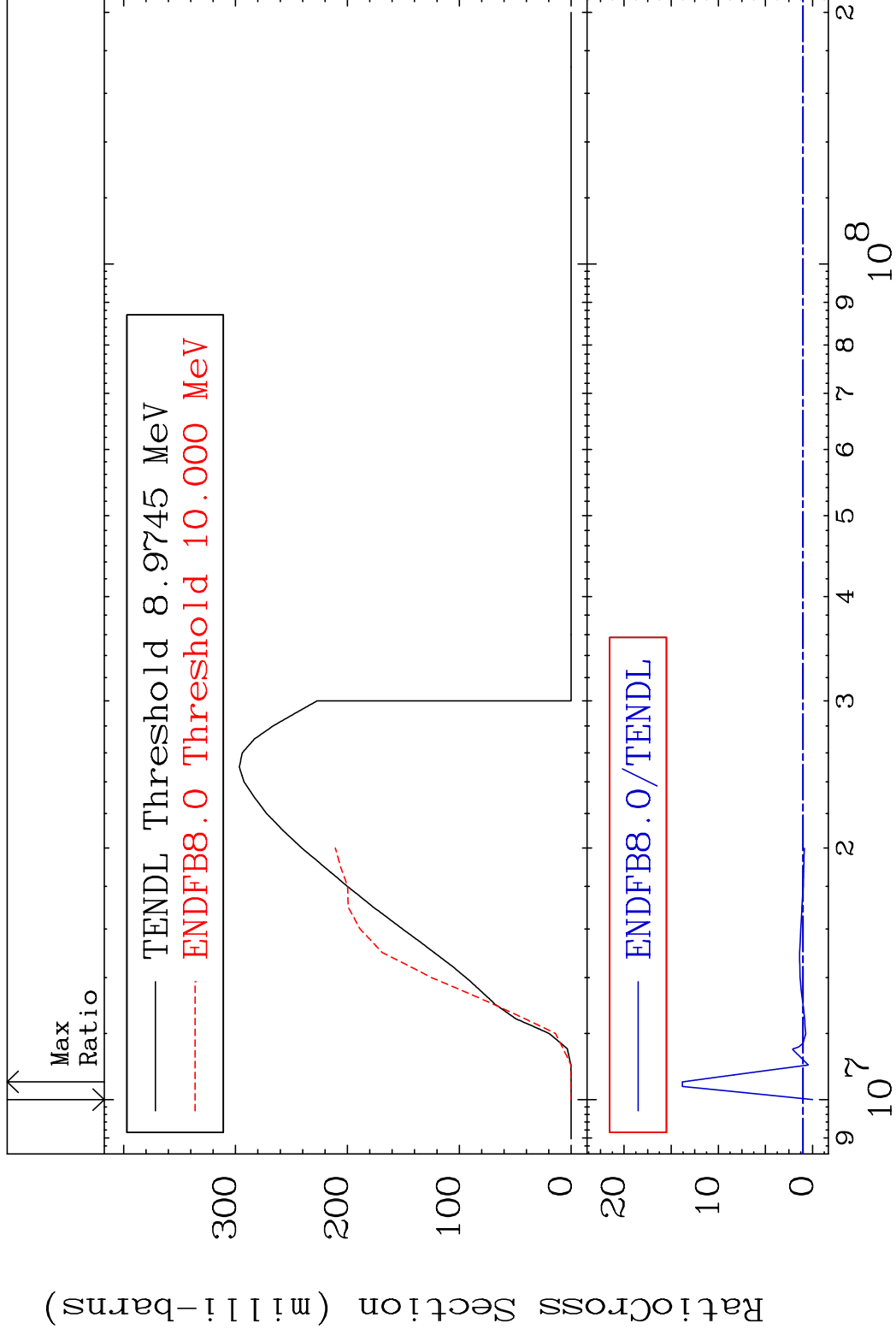
5 5 38-Sr-84

MAT 3825

(n, n') p

38-Sr-84

Cross Section -100.0 To 1282. %

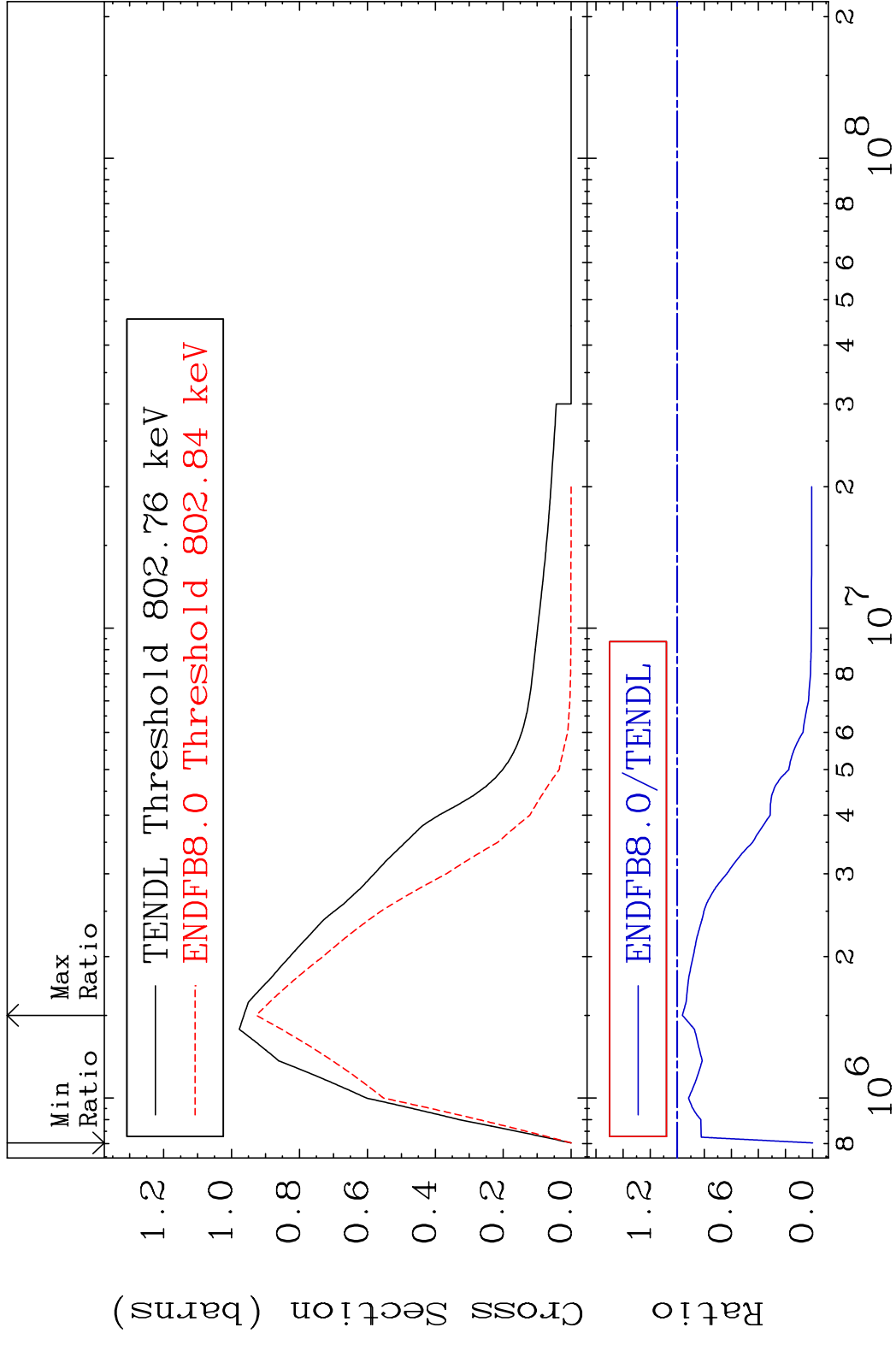


6

Incident Energy (eV)

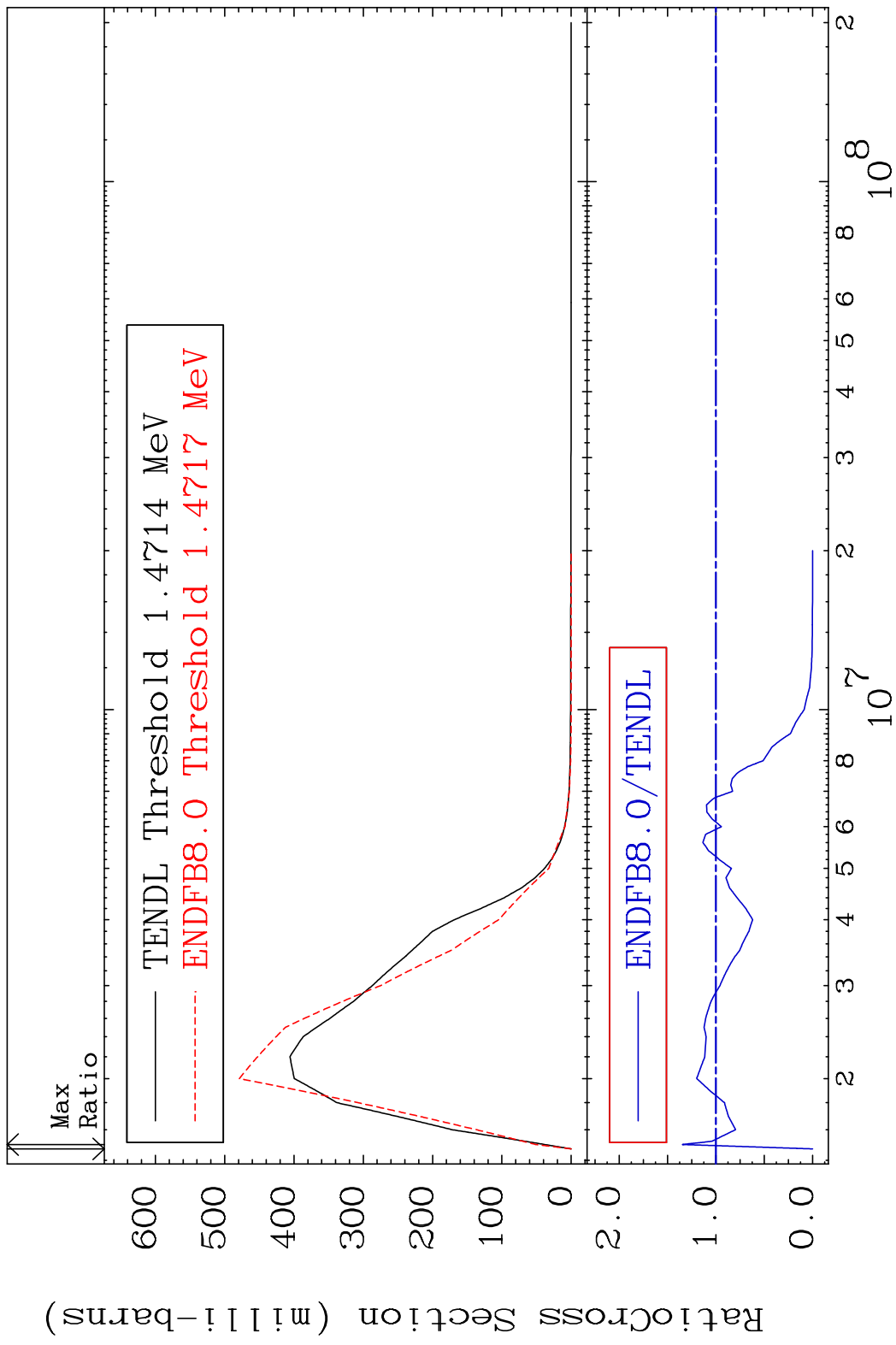
38-Sr-84

MAT 3825 MT= 51 (n, n') Level 38-Sr-84  
 Cross Section -100.0 To -3.776%

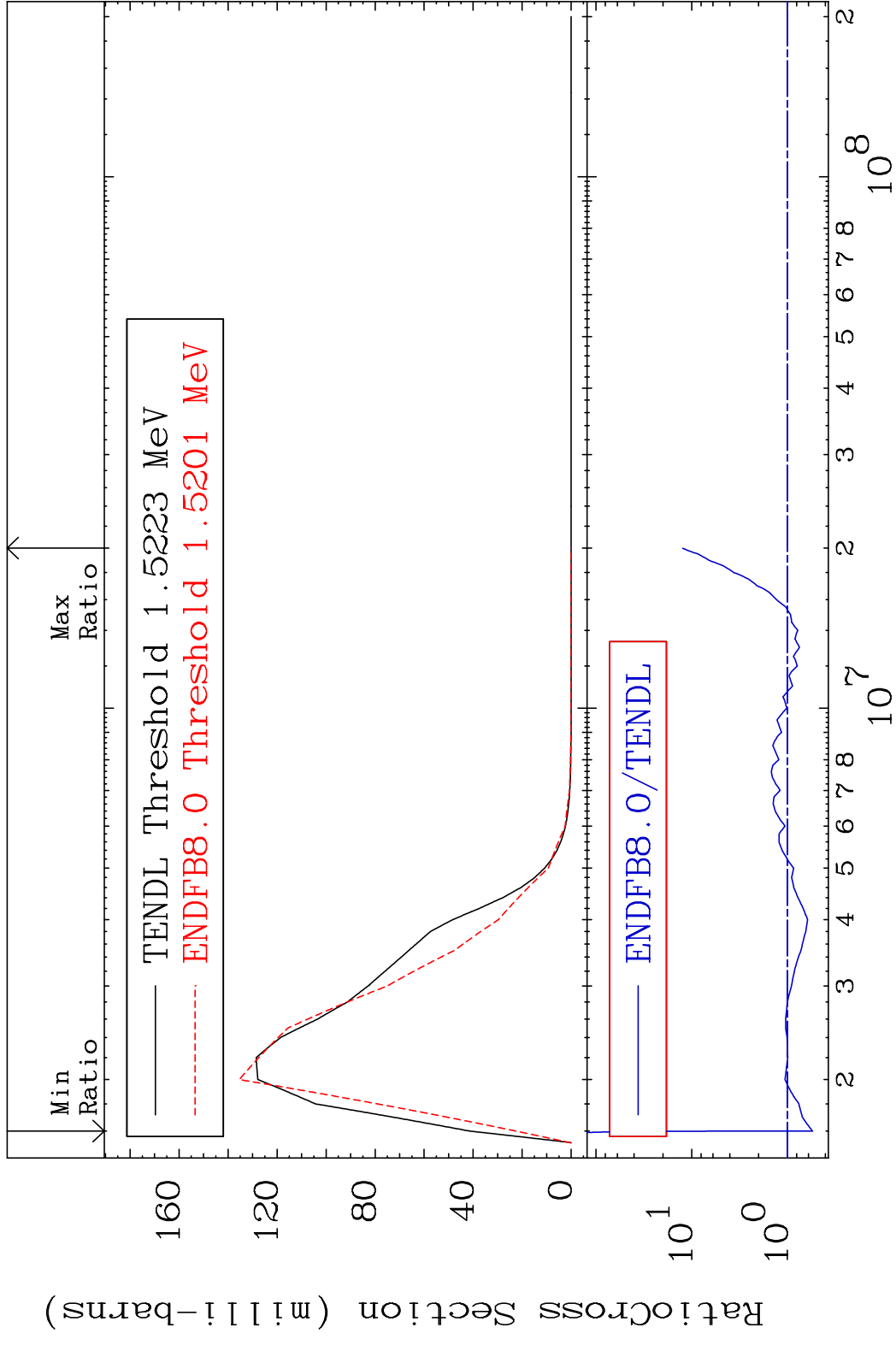




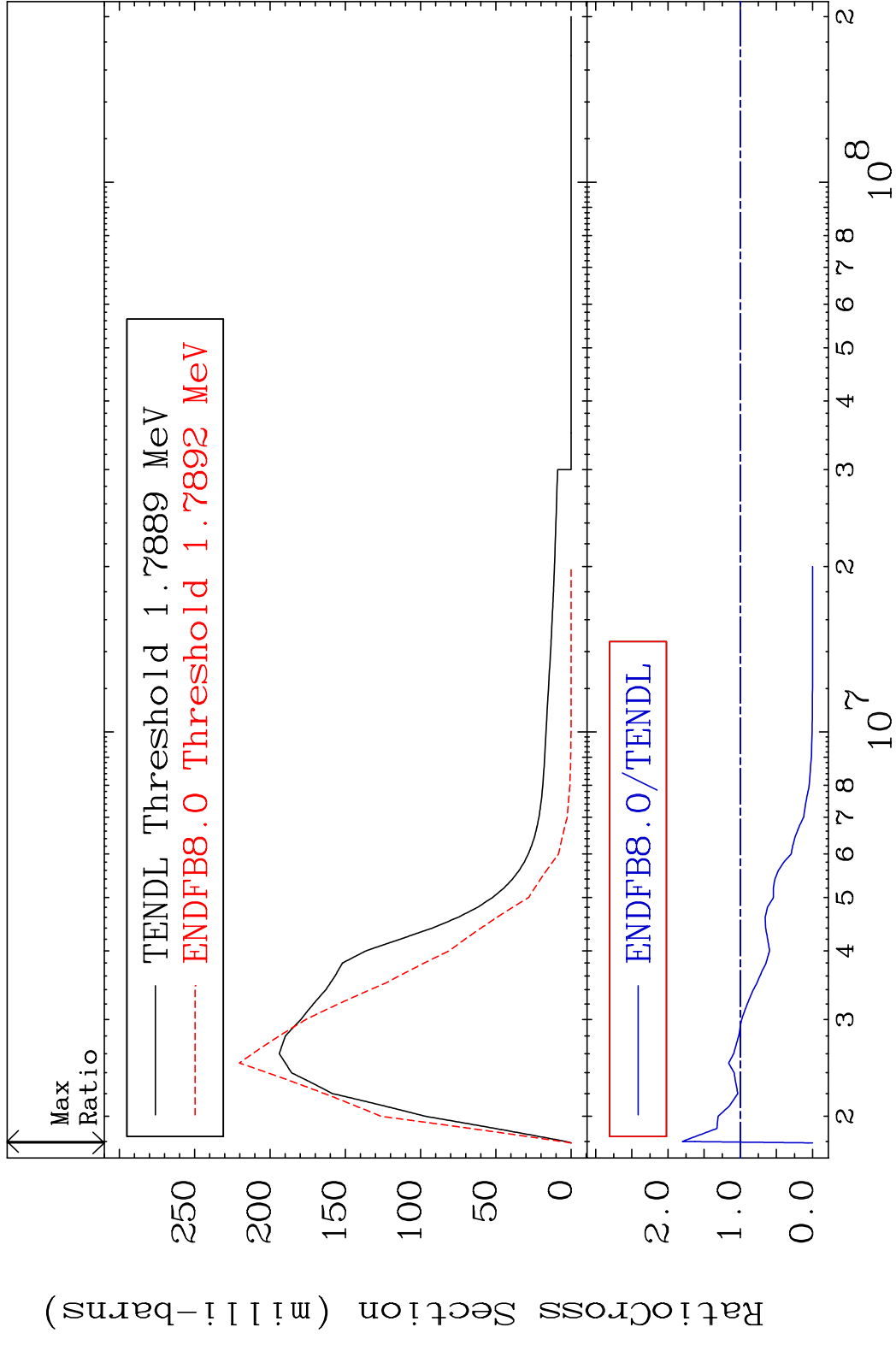
MAT 3825 MT= 52 (n, n') Level 38-Sr-84  
 Cross Section -100.0 To 34.67 %



MAT 3825 MT= 53 (n, n') Level 38-Sr-84  
 Cross Section -45.44 To 1153. %

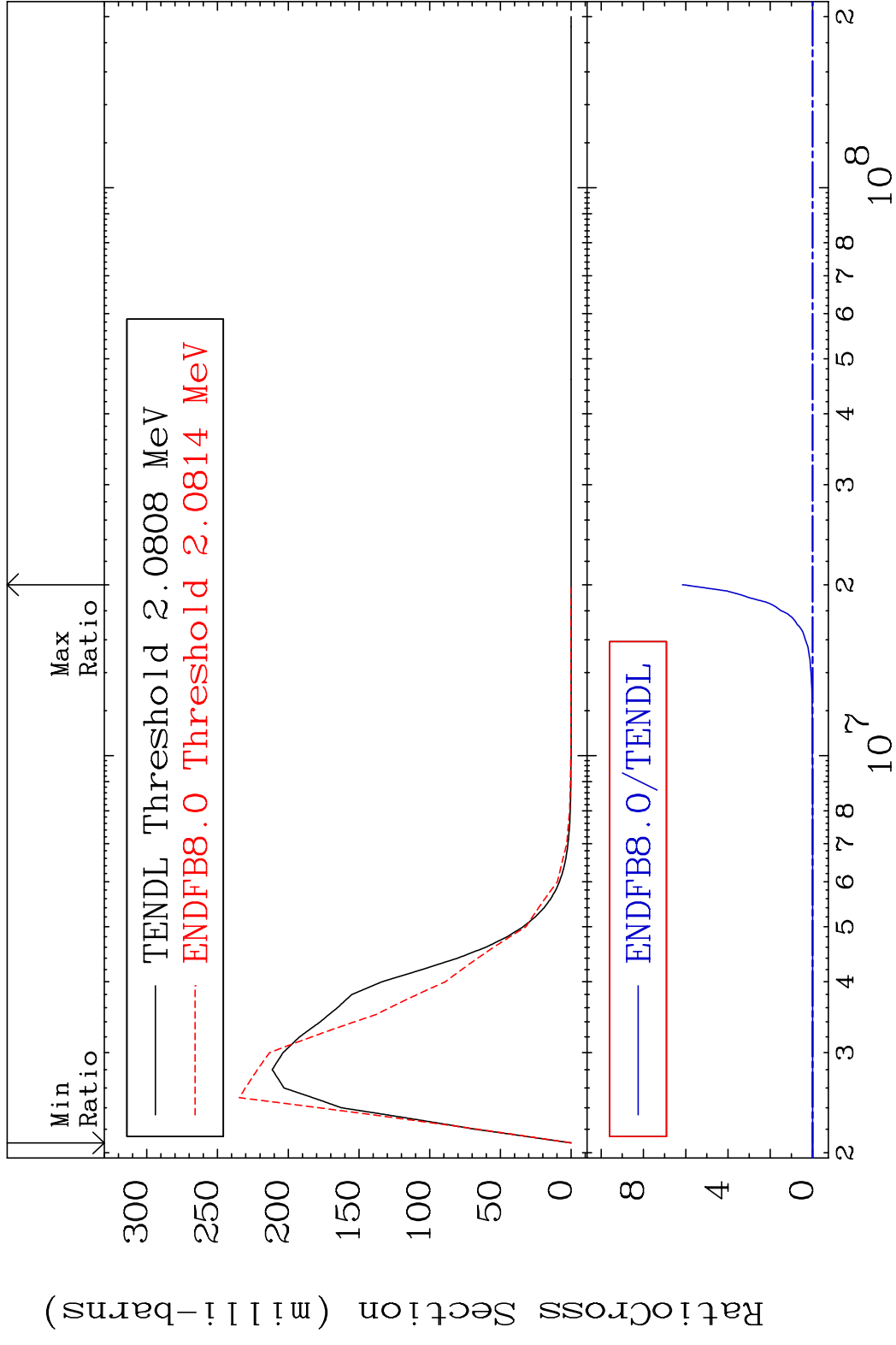


MAT 3825 MT= 54 (n, n') Level 38-Sr-84  
 Cross Section -100.0 To 80.13 %

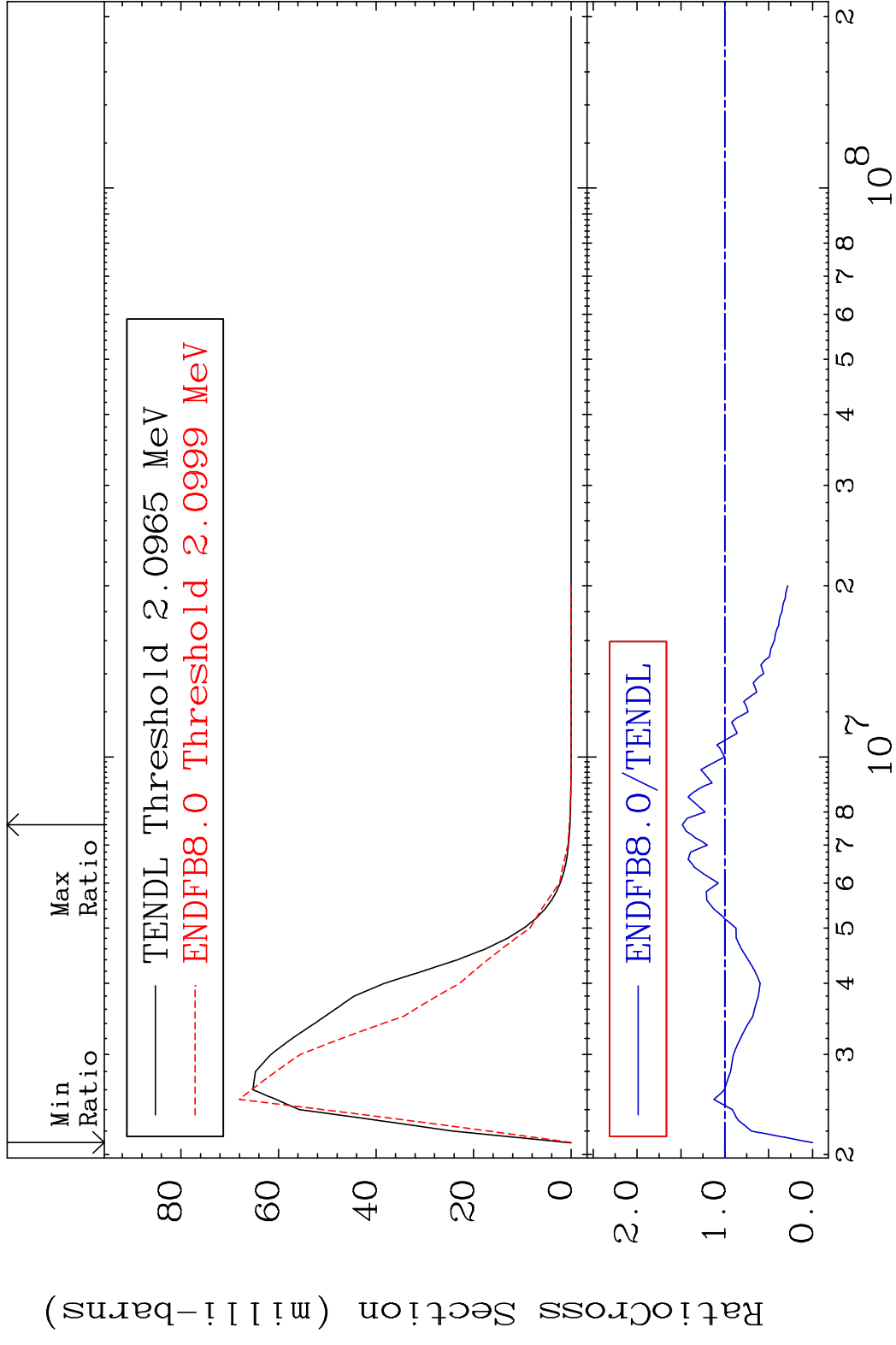


10

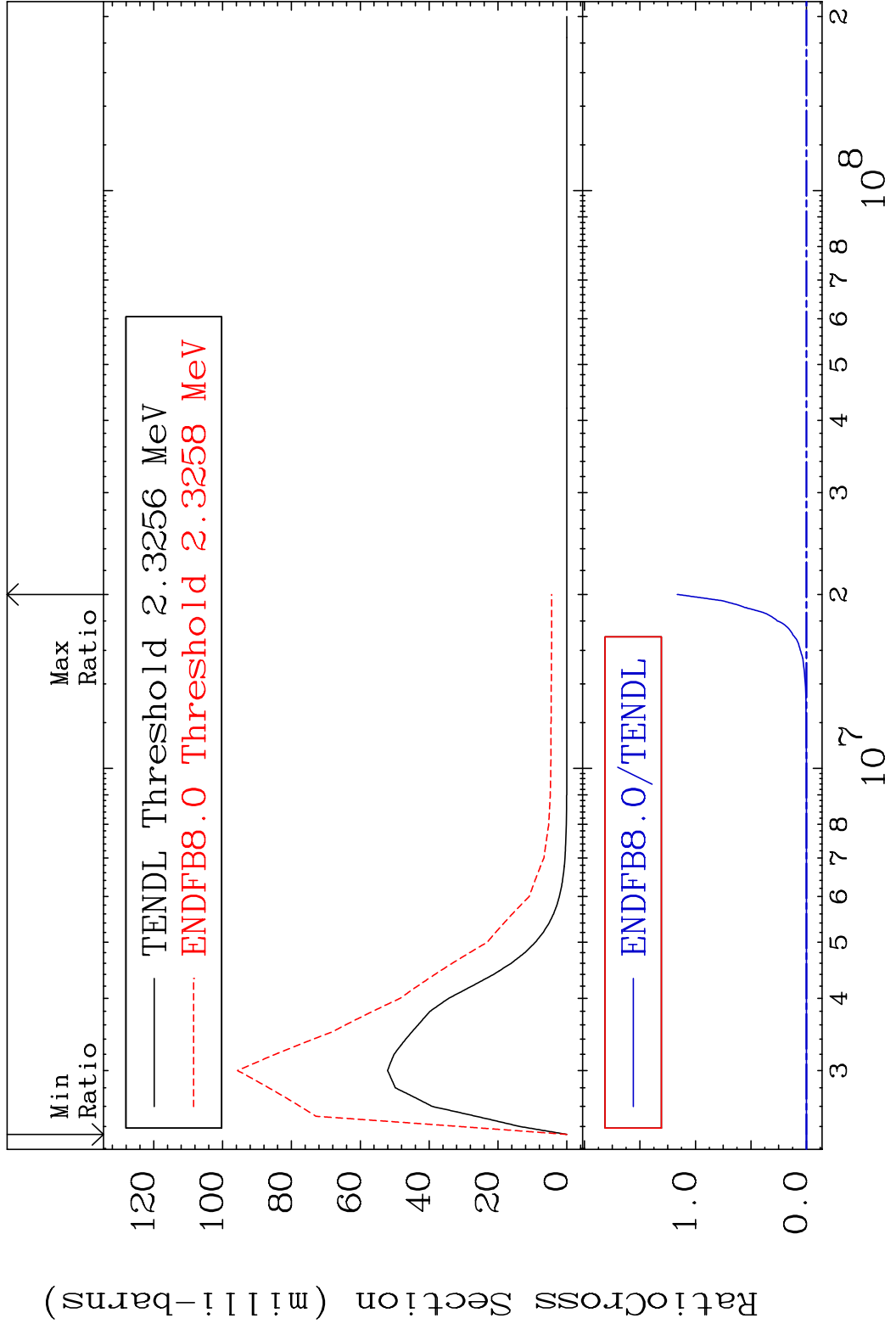
MAT 3825 MT= 55 (n, n') Level 38-Sr-84  
 Cross Section -100.0 To 9999. %



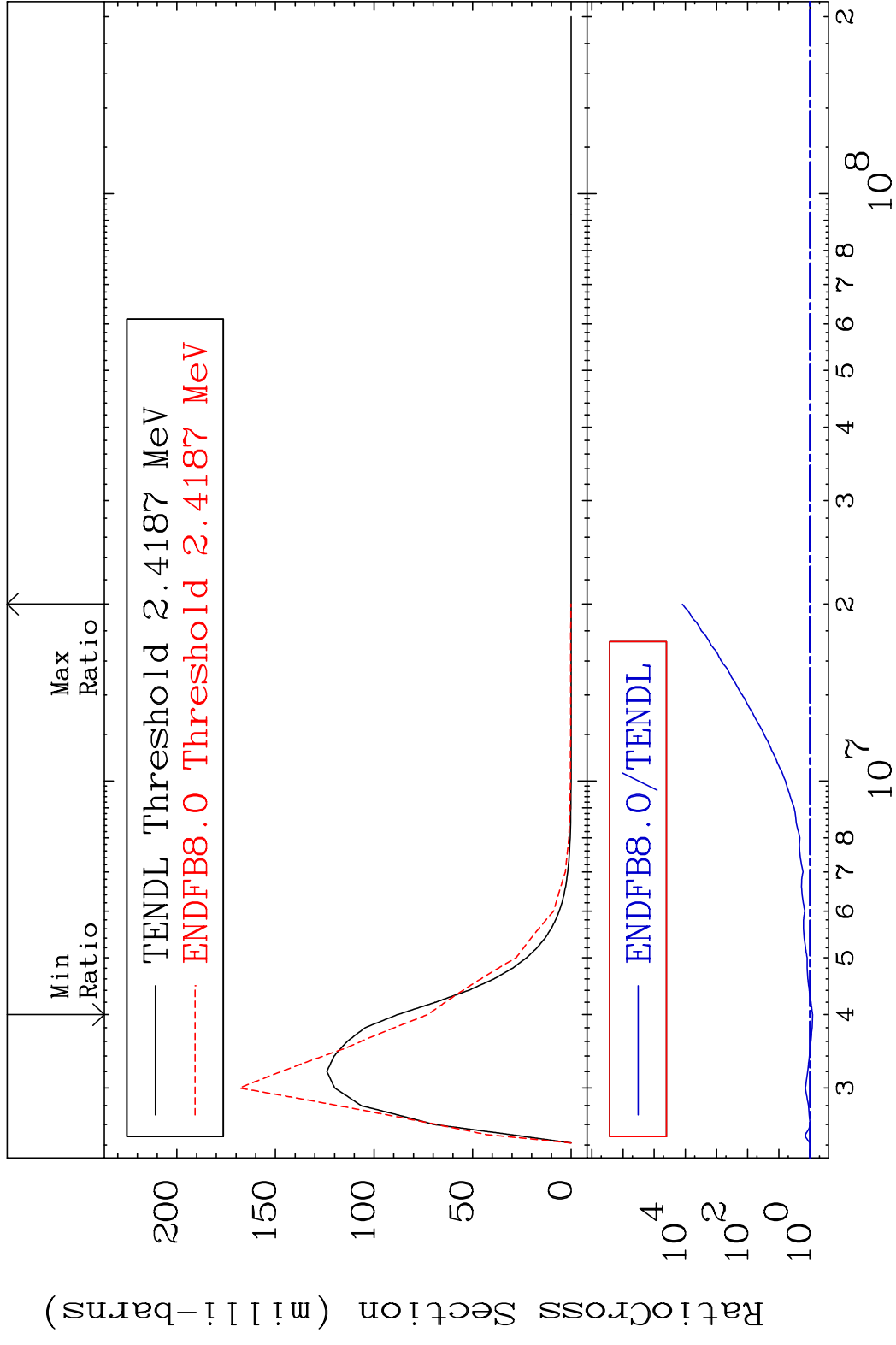
MAT 3825 MT= 56 (n,n') Level 38-Sr-84  
 Cross Section -100.0 To 48.42 %



MAT 3825 MT= 57 (n, n') Level 38-Sr-84  
 Cross Section -100.0 To 9999. %

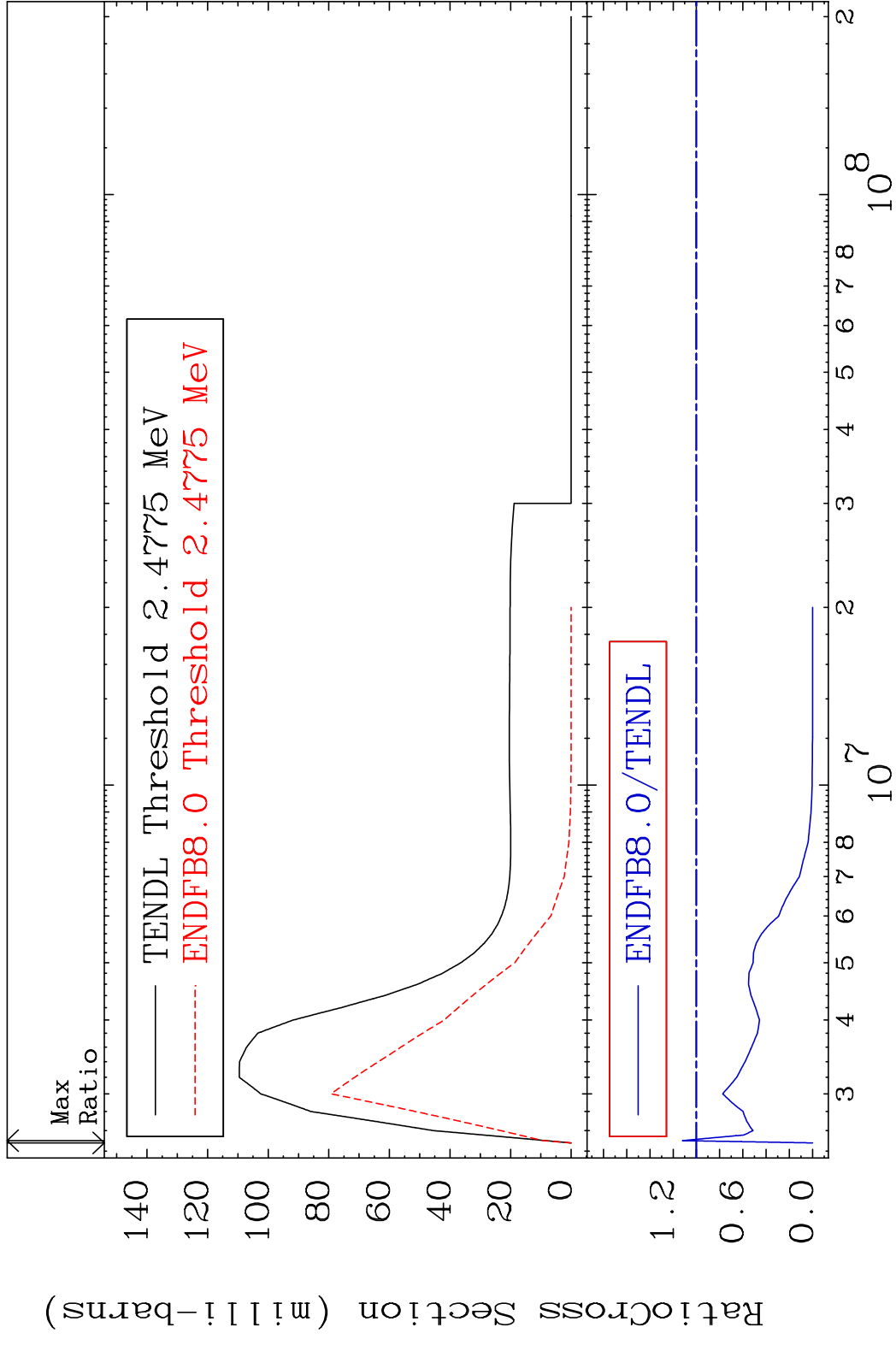


MAT 3825 MT= 58 (n, n') Level 38-Sr-84  
 Cross Section -17.35 To 9999. %



14 Incident Energy (eV) 38-Sr-84

MAT 3825 MT= 59 (n,n') Level 38-Sr-84  
 Cross Section -100.0 To 12.08 %



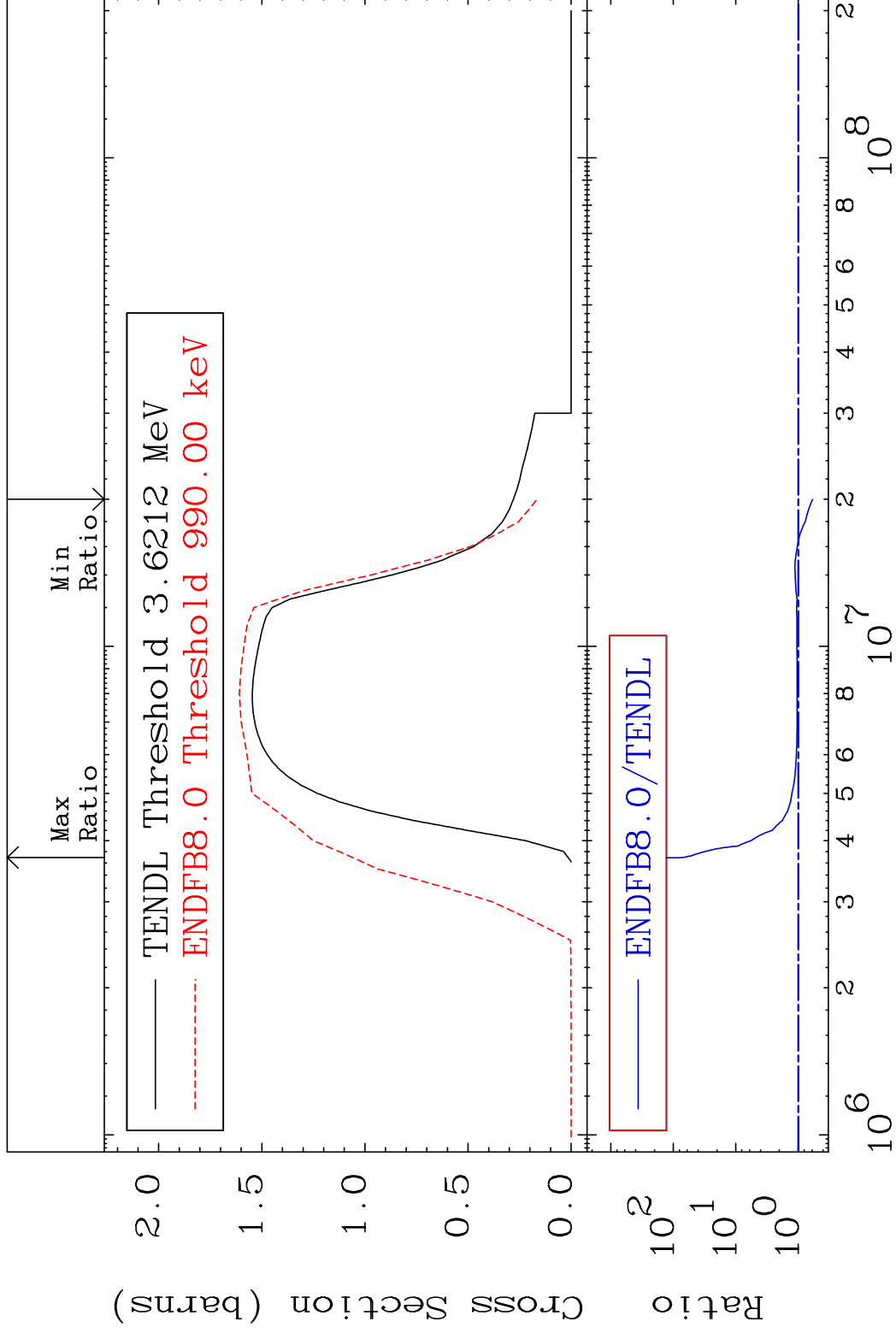


MAT 3825

(n, n') Continuum

38-Sr-84

Cross Section -41.13 To 7061. %



16

Incident Energy (eV)

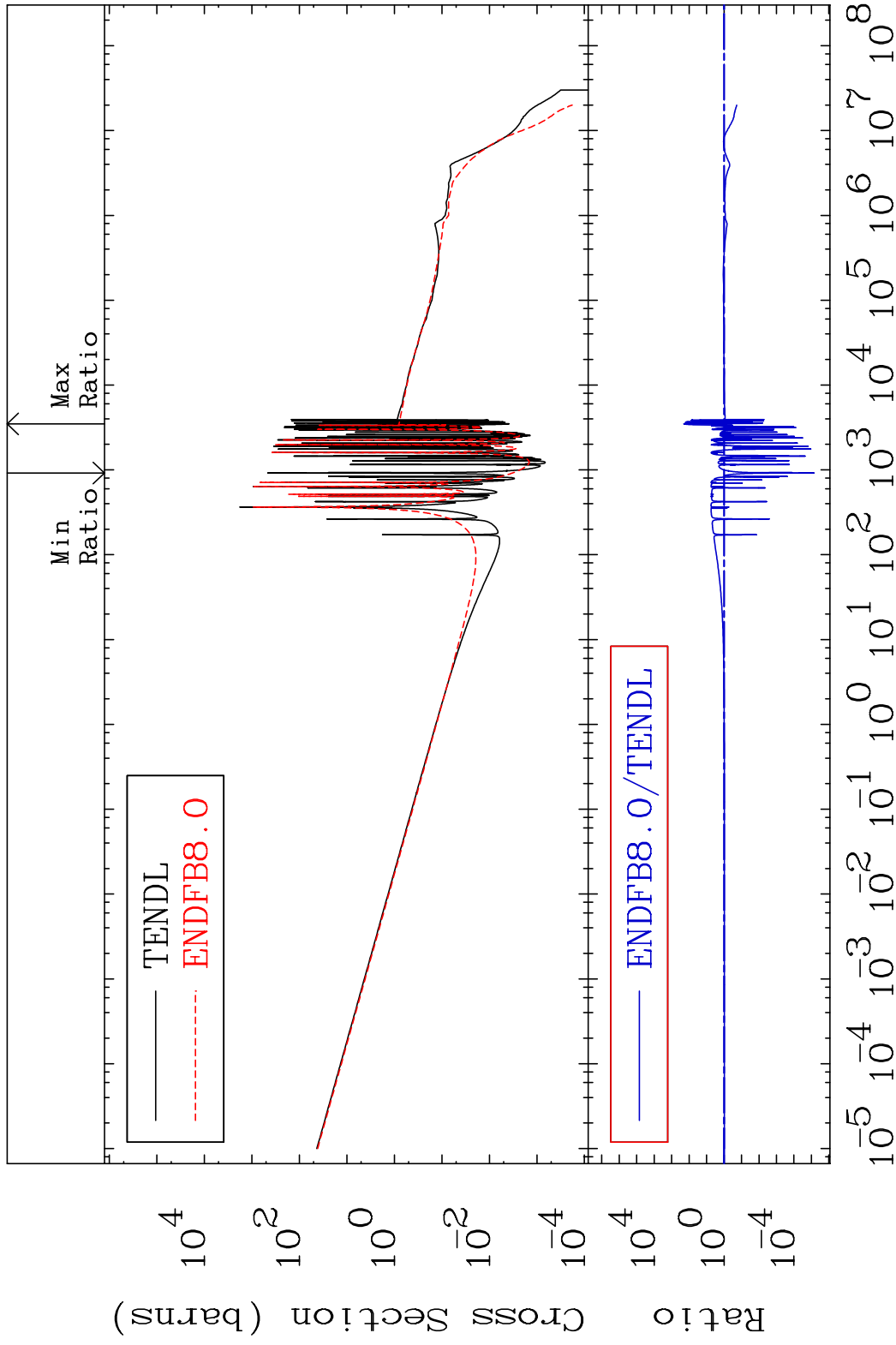
38-Sr-84

MAT 3825

38-Sr-84

(n,  $\gamma$ )

Cross Section -100.0 To 9999. %



17

Incident Energy (eV)

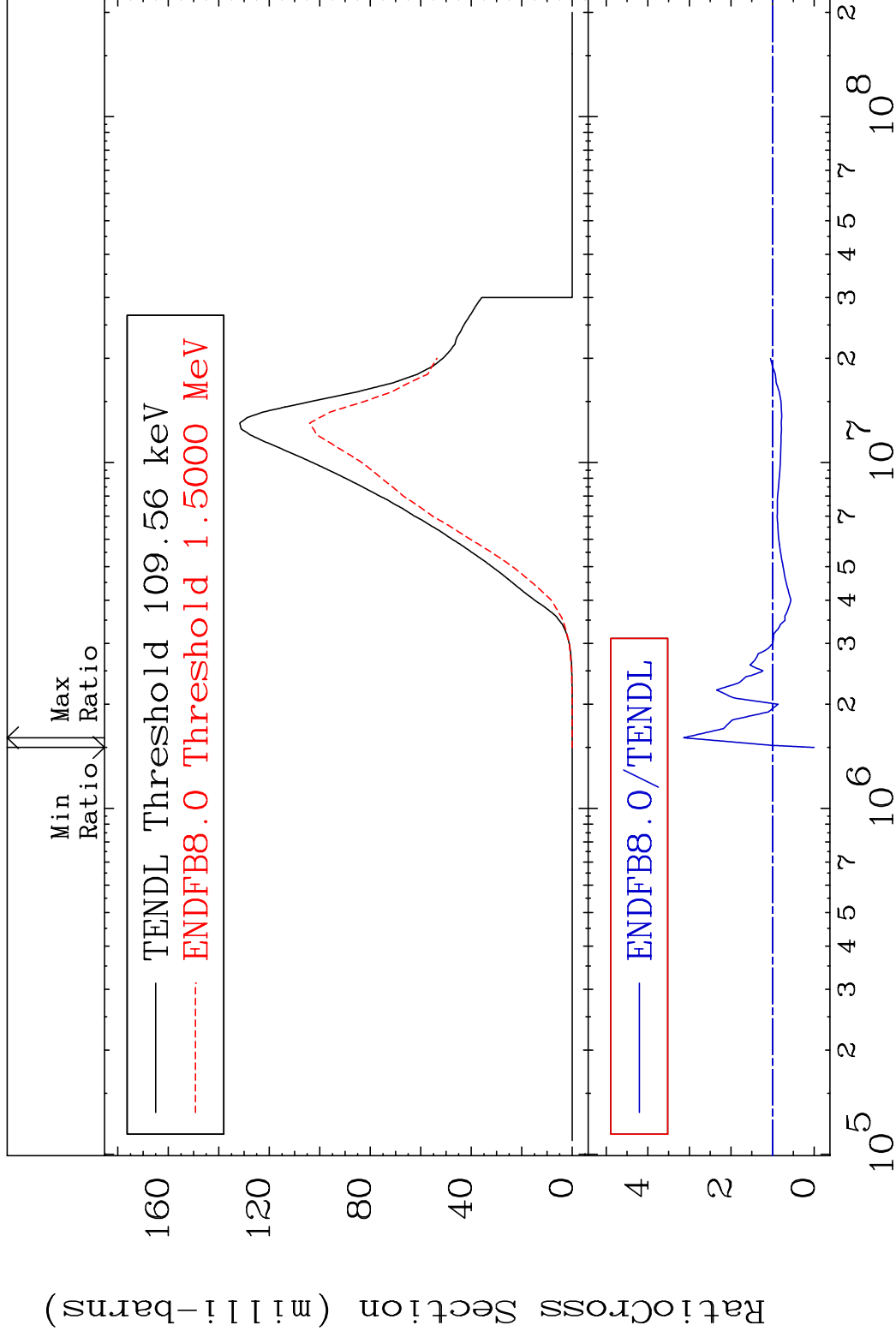
38-Sr-84

MAT 3825

(n, p)

38-Sr-84

Cross Section -100.0 To 213.7 %



18

Incident Energy (eV)

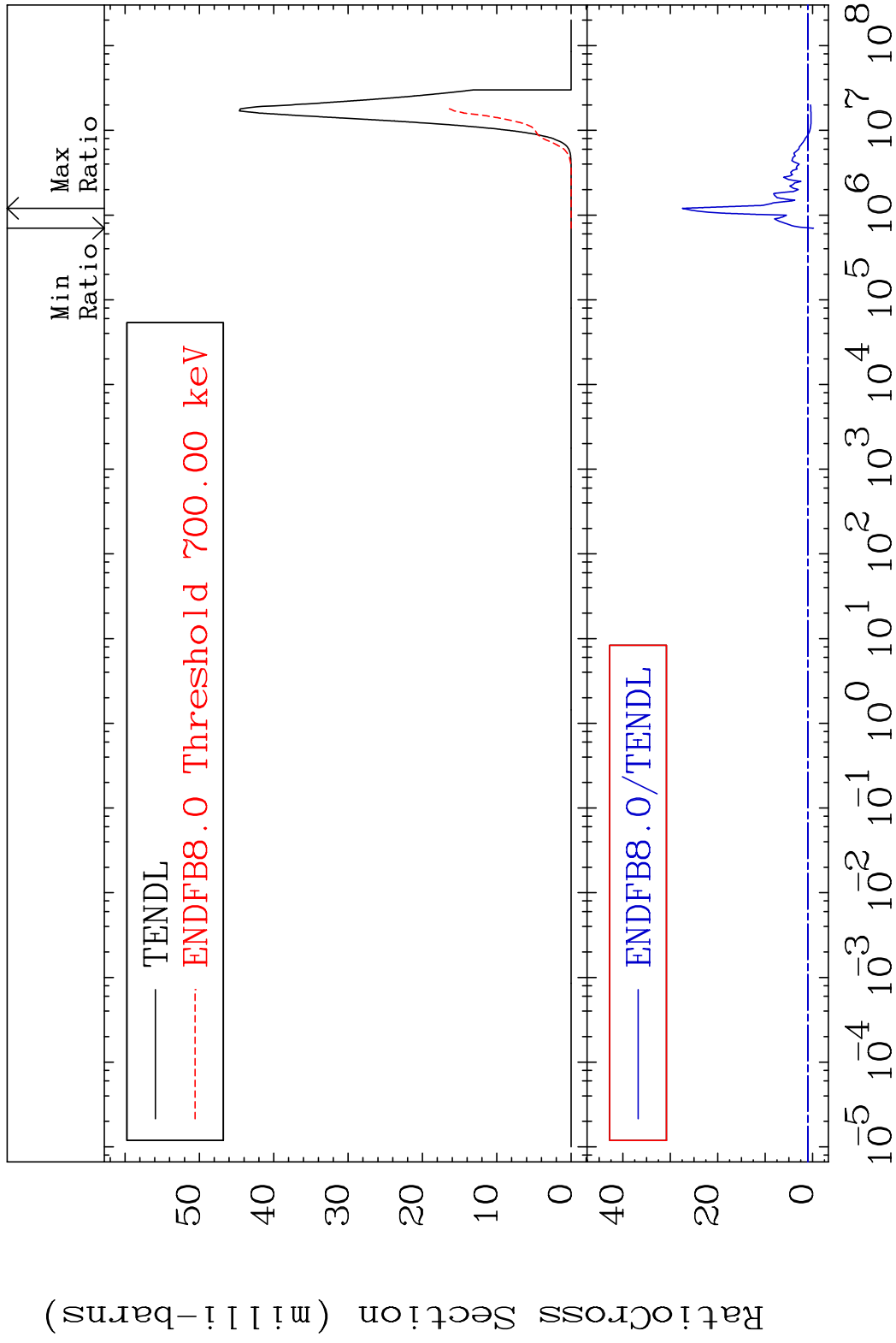
38-Sr-84

MAT 3825

(n,  $\alpha$ )

38-Sr-84

Cross Section -100.0 To 2644. %



19

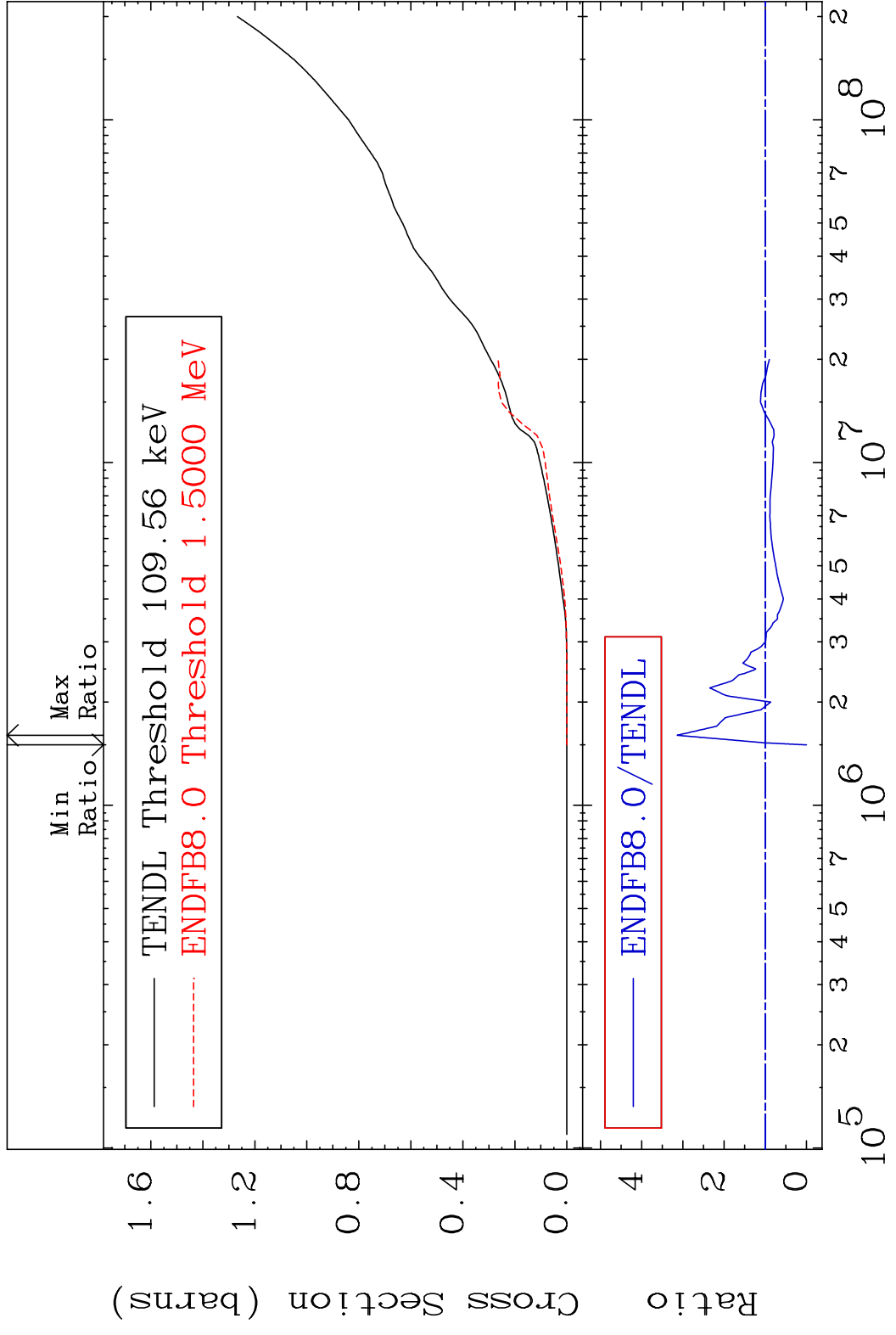
Incident Energy (eV)

38-Sr-84

MAT 3825

Hydrogen Production  
Cross Section -100.0 To 213.7 %

38-Sr-84



20

Incident Energy (eV)

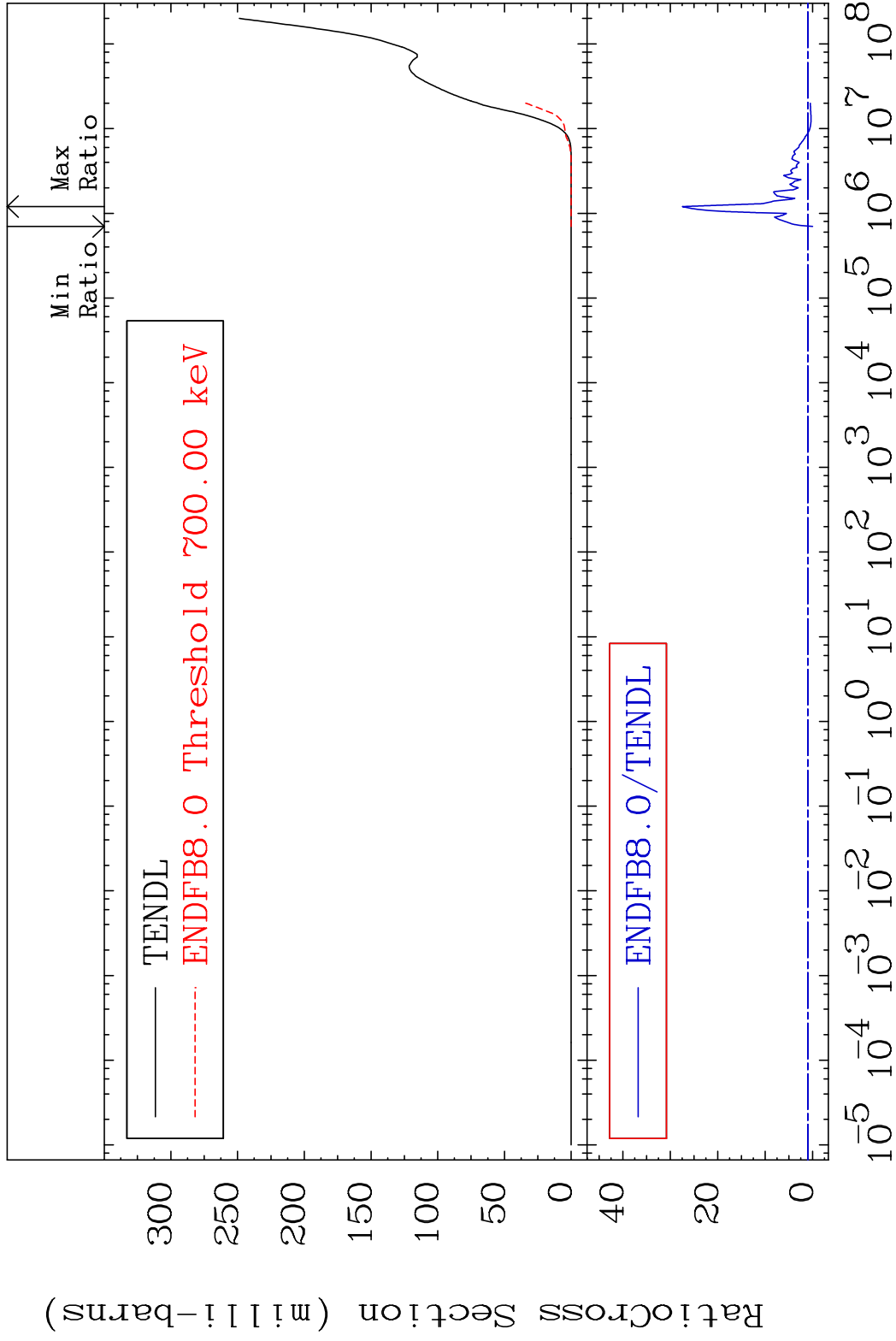
38-Sr-84

MAT 3825

He-4 Production

38-Sr-84

Cross Section -100.0 To 2644. %

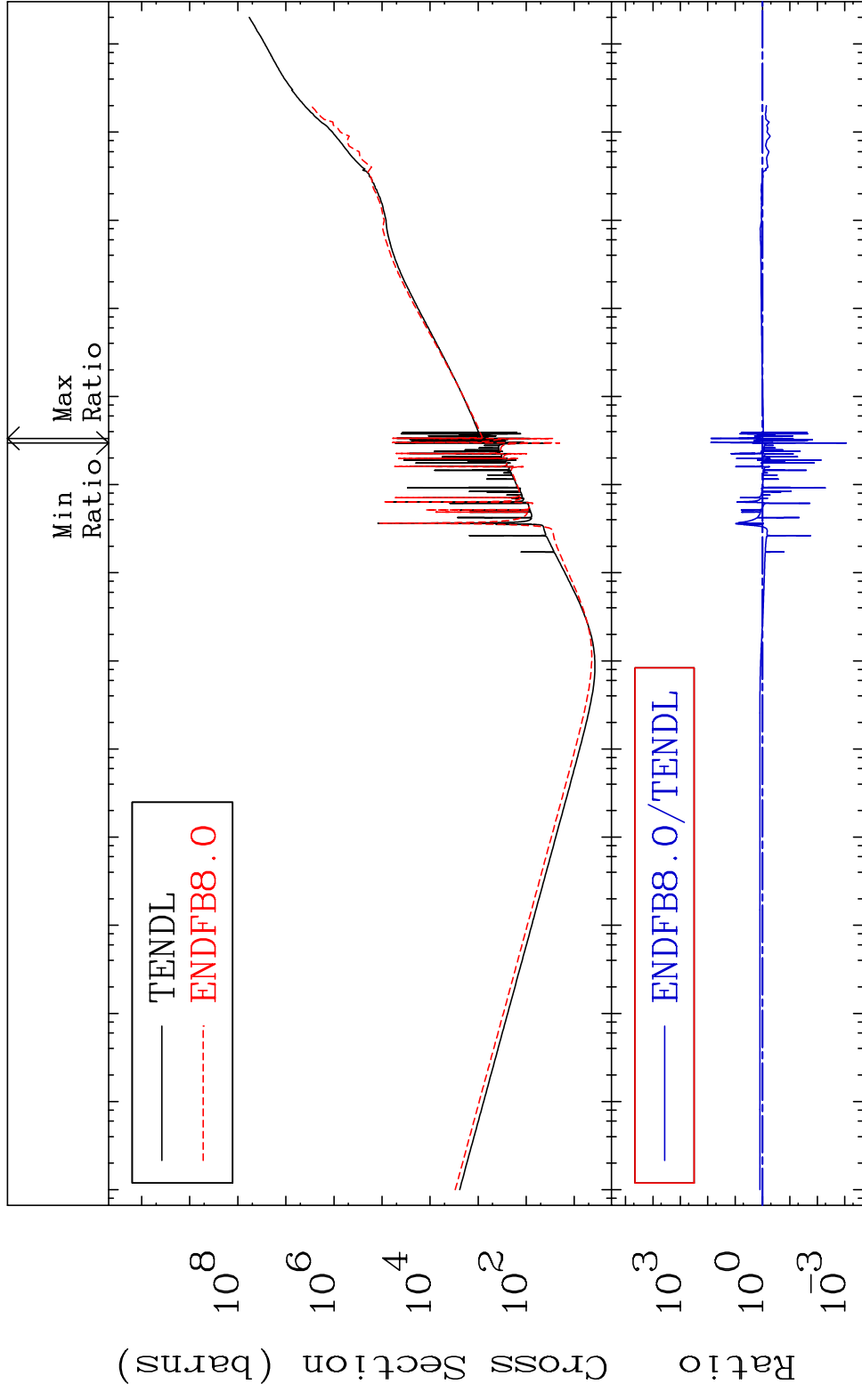


21

Incident Energy (eV)

38-Sr-84

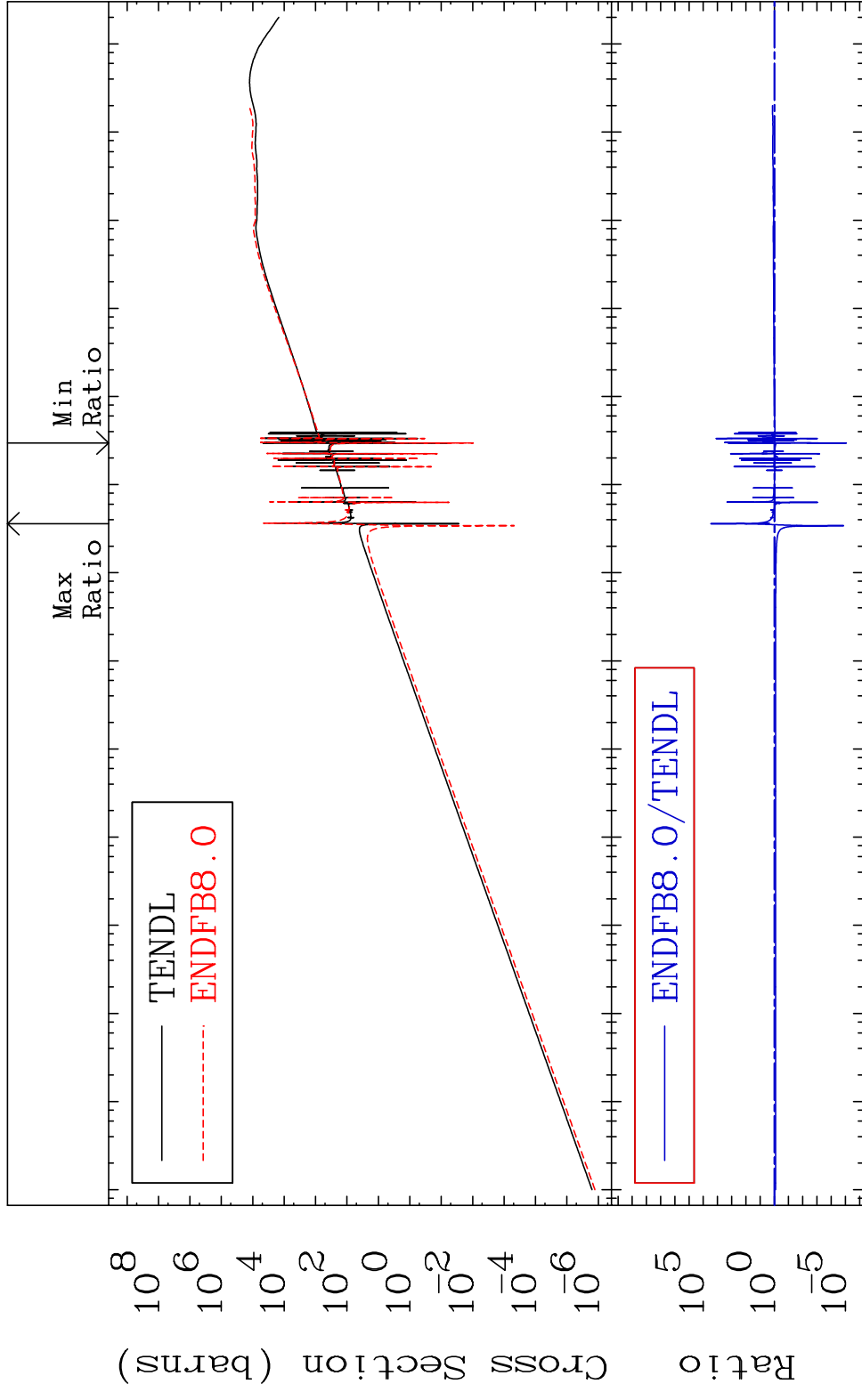
MAT 3825 Kerma total (eV-barns) 38-Sr-84  
 Cross Section -99.91 To 7677. %



22 Incident Energy (eV) 38-Sr-84

MAT 3825

Kerma elastic Cross Section -100.0 To 9999. %  
38-Sr-84



Ratio  
10<sup>8</sup>  
10<sup>6</sup>  
10<sup>4</sup>  
10<sup>2</sup>  
10<sup>0</sup>  
10<sup>-2</sup>  
10<sup>-4</sup>  
10<sup>-6</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>

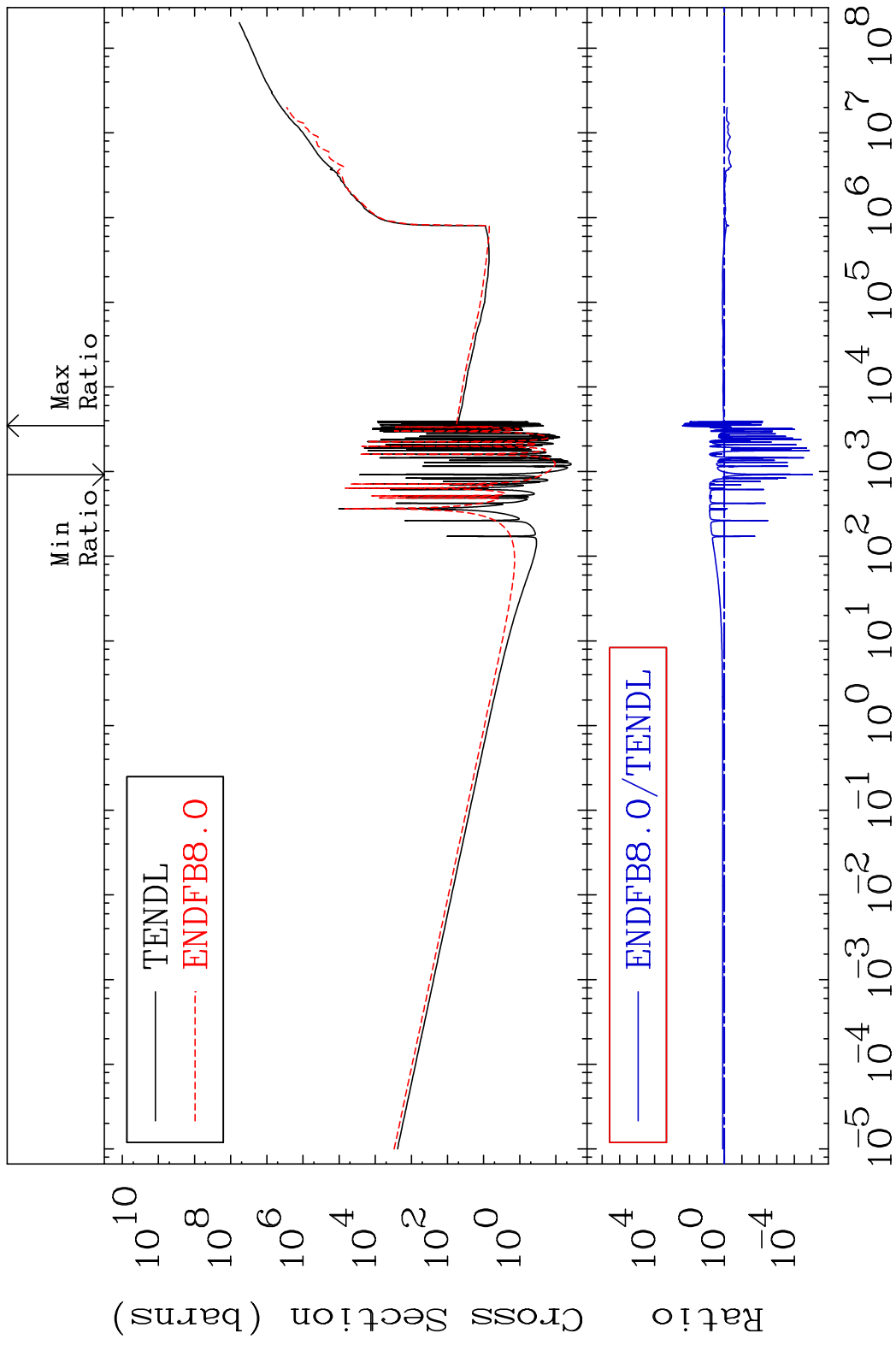
23

Incident Energy (eV)

38-Sr-84

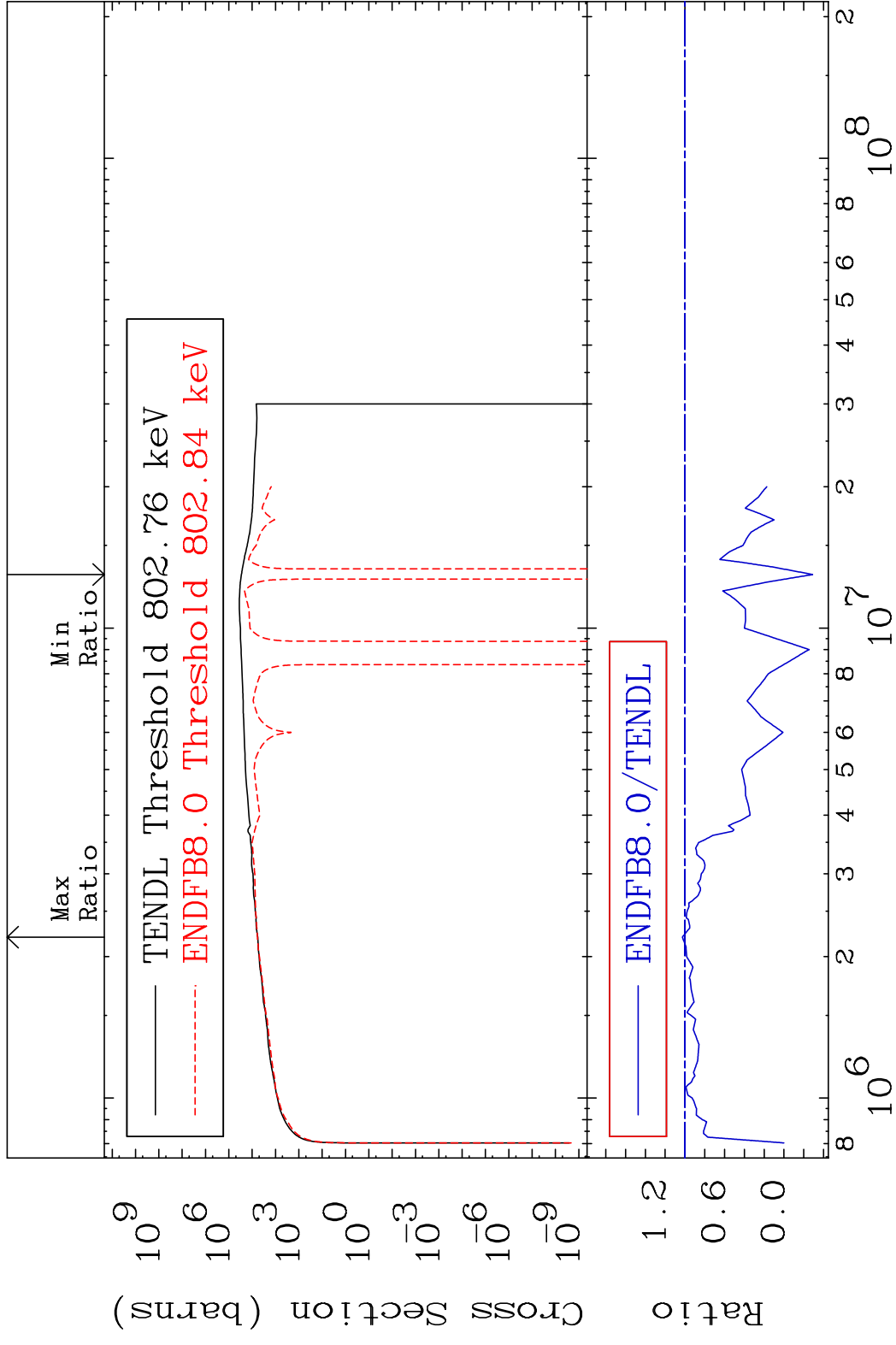


MAT 3825 Kerma non-elastic (all but mt2) 38-Sr-84  
 Cross Section -100.0 To 9999. %

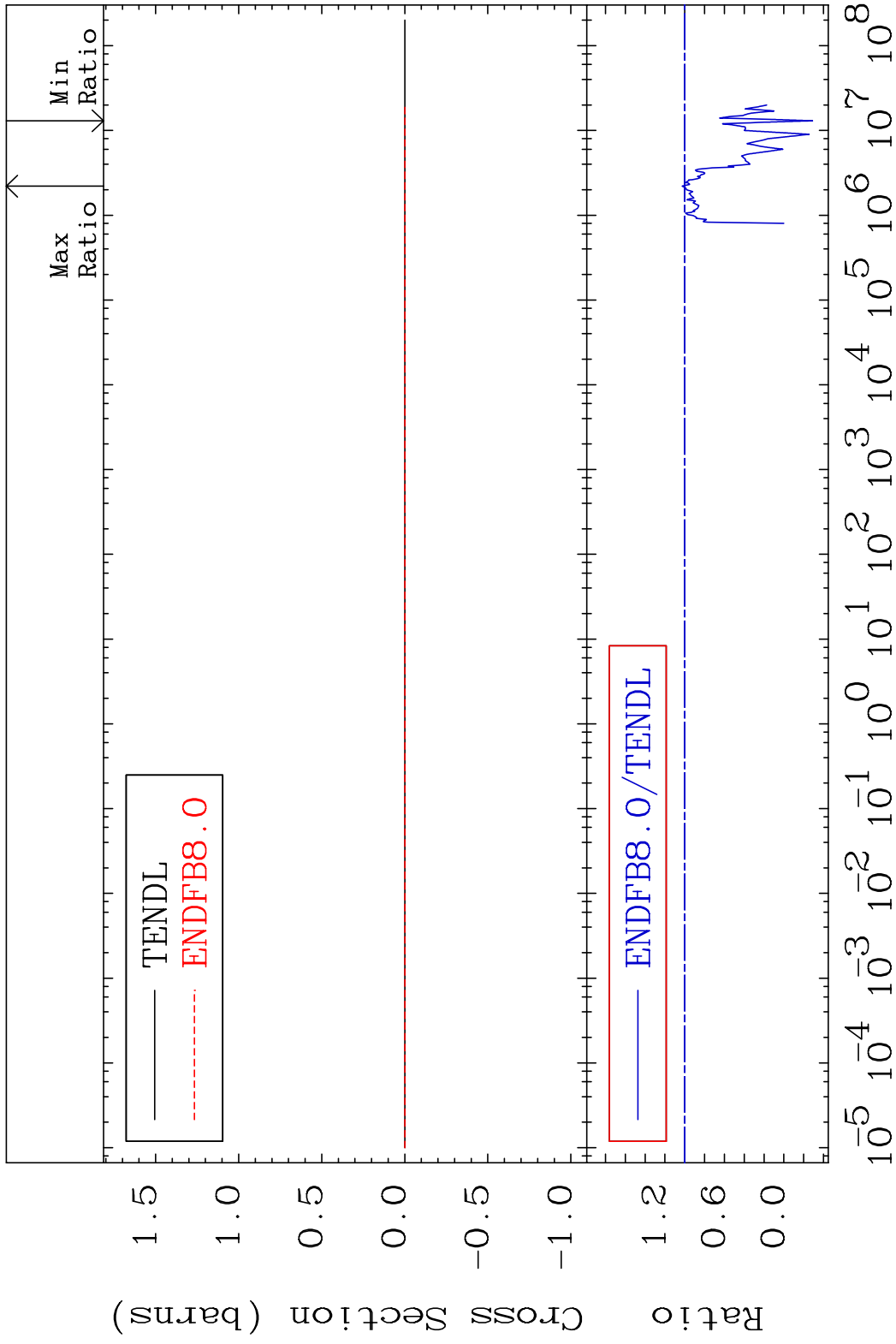


24 Incident Energy (eV) 38-Sr-84

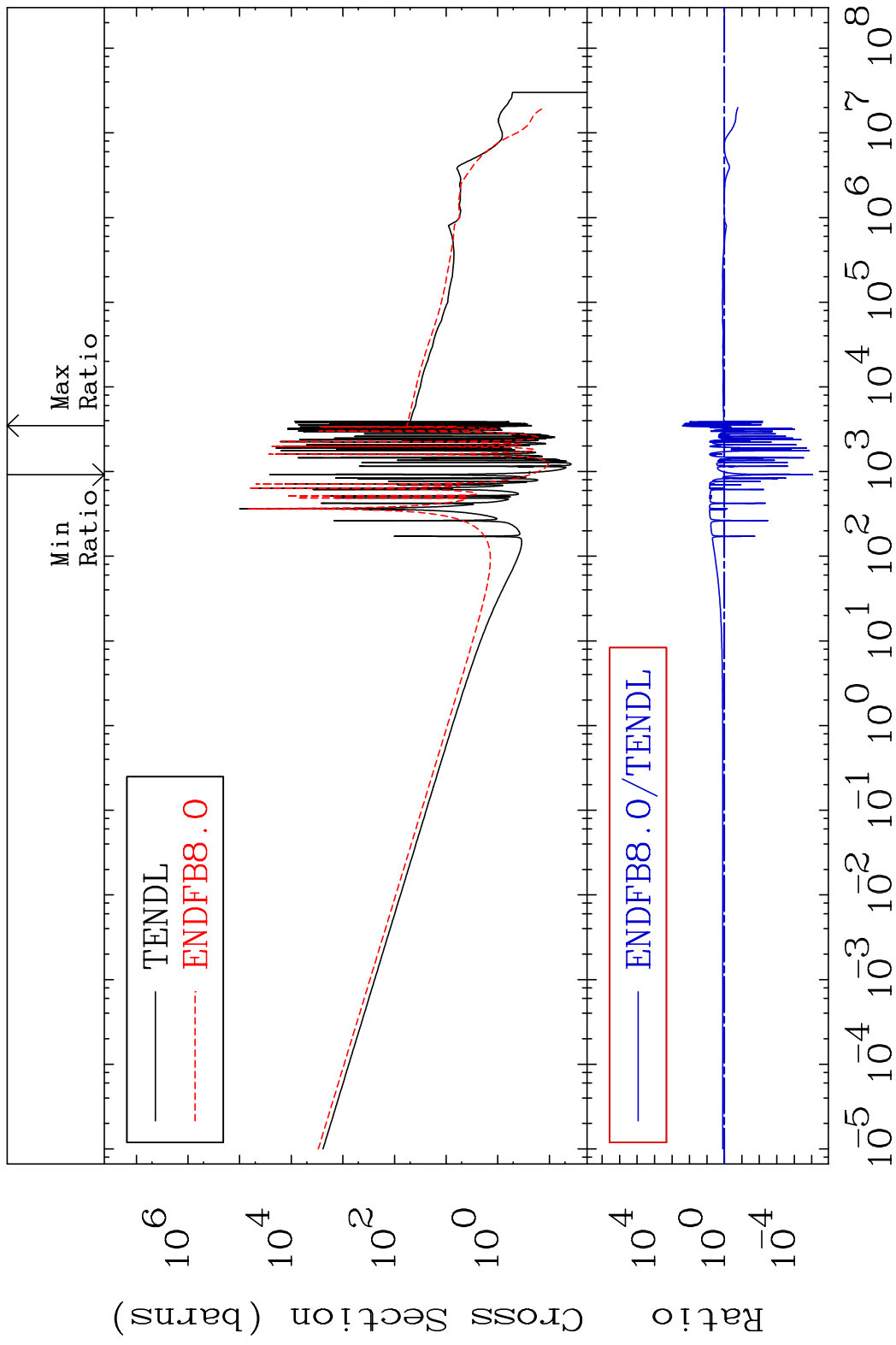
MAT 3825 Kerma inelastic (mt51-91) 38-Sr-84  
 Cross Section -128.9 To 2.635 %



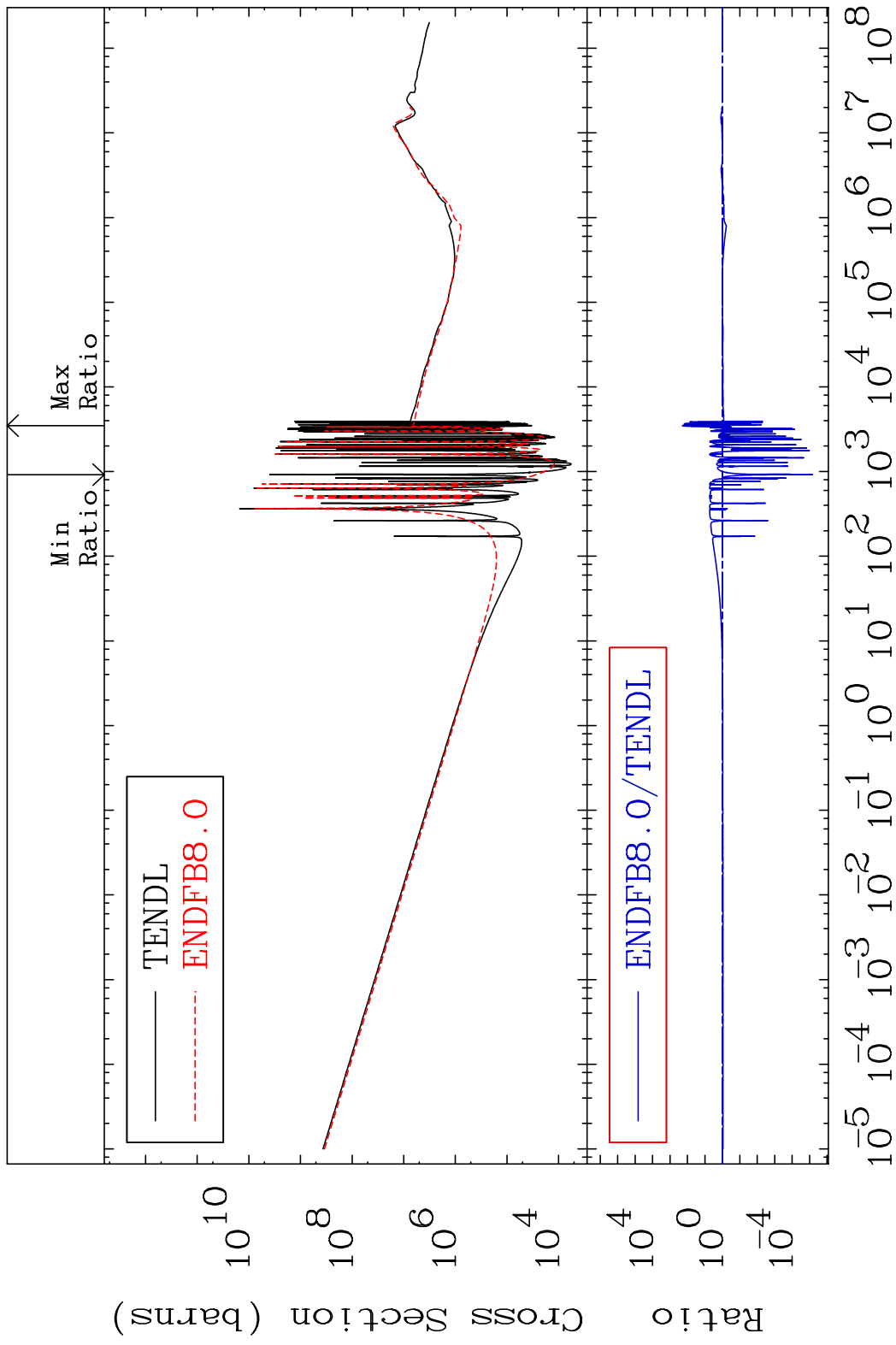
MAT 3825 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-84  
 Cross Section -128.9 To 2.635 %



MAT 3825 Kerma capture (mt102) 38-Sr-84  
 Cross Section -100.0 To 9999. %

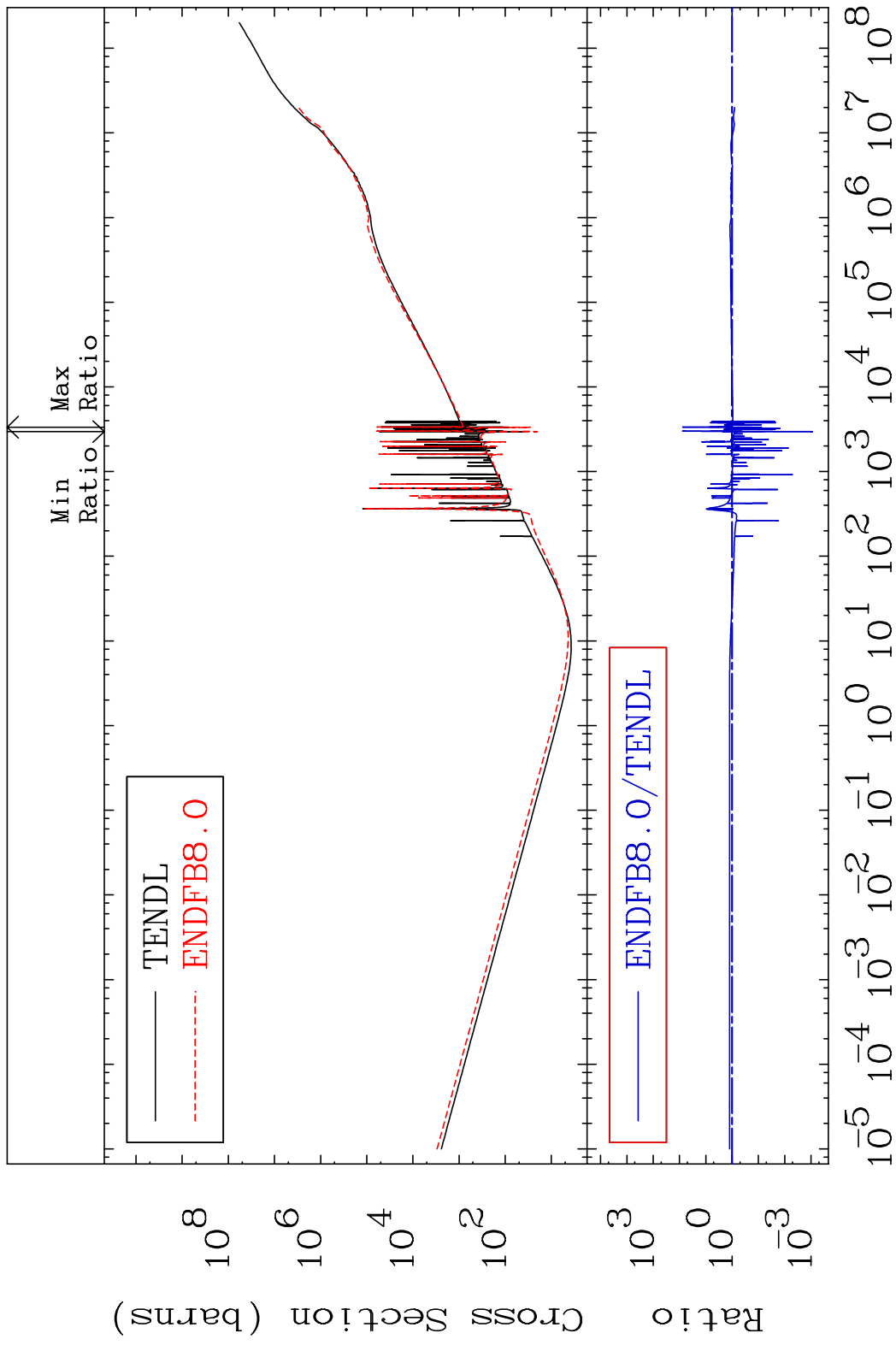


MAT 3825 Total photon (eV-barns) 38-Sr-84  
 Cross Section -100.0 To 9999. %



28 Incident Energy (eV) 38-Sr-84

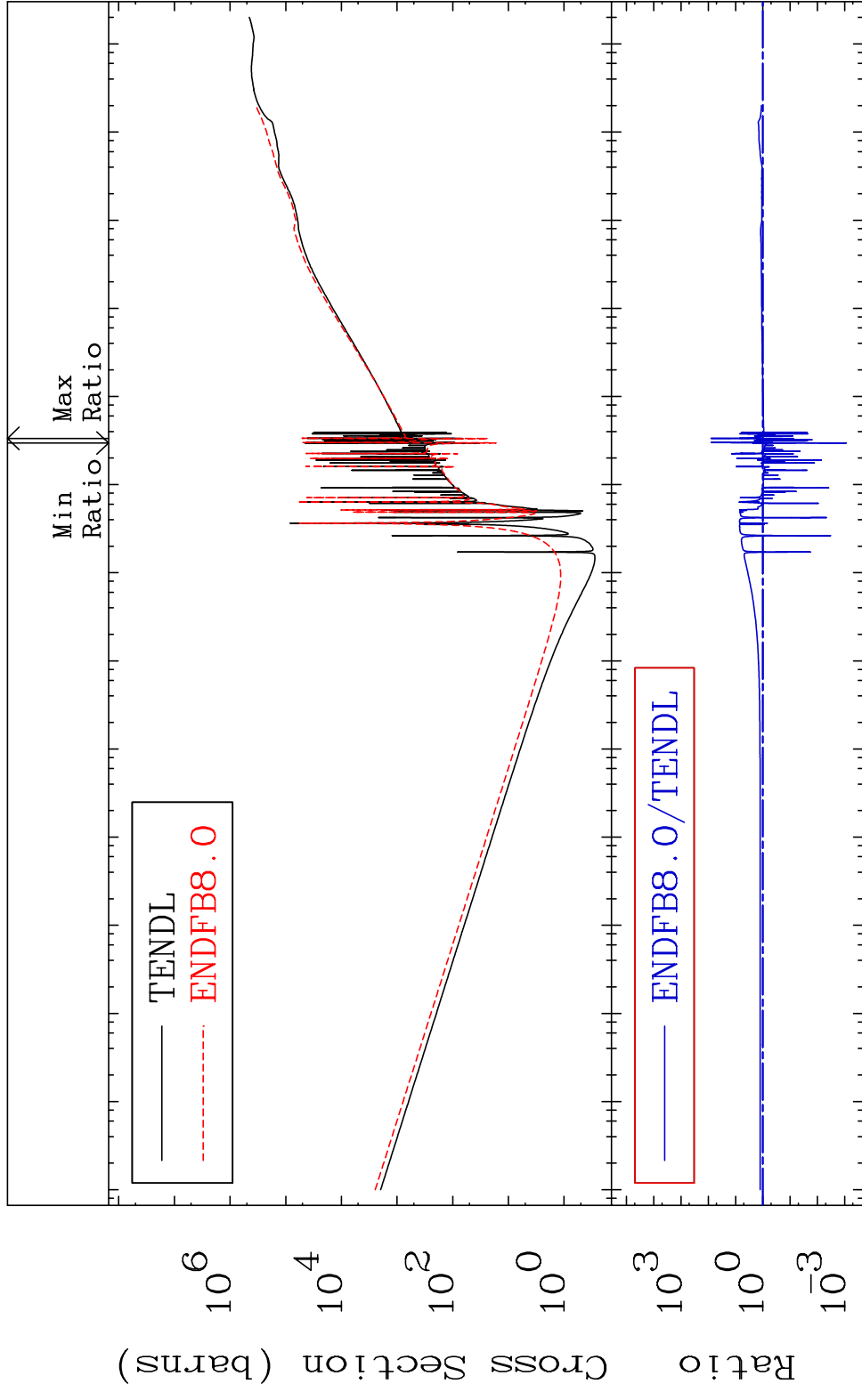
MAT 3825 Total kinematic kerma (high limit) 38-Sr-84  
 Cross Section -99.91 To 7677. %



MAT 3825

Dpa total (eV-barns) 38-Sr-84

Cross Section -99.91 To 8064. %



30

Incident Energy (eV)

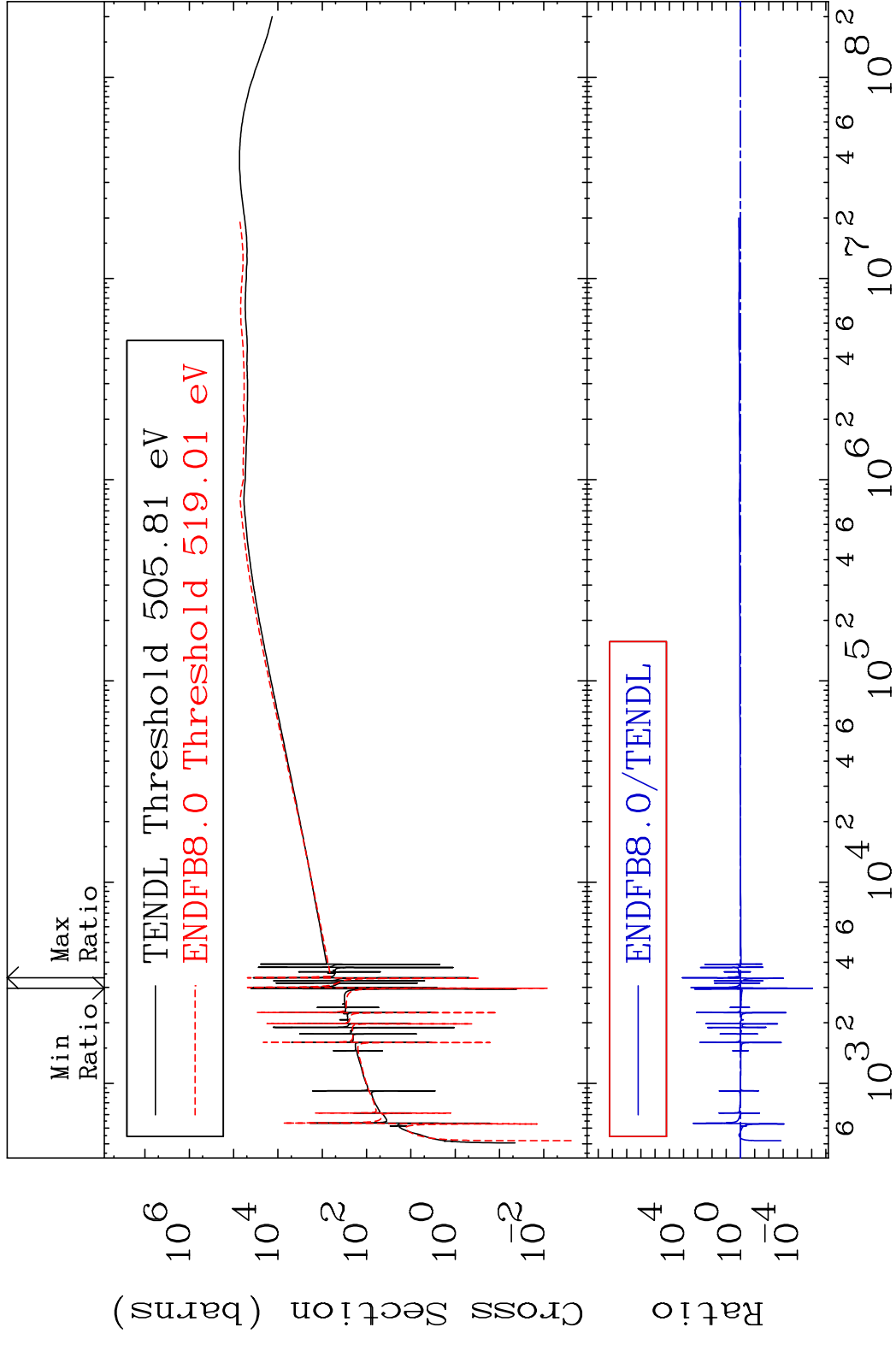
38-Sr-84

MAT 3825

Dpa elastic (mt2)

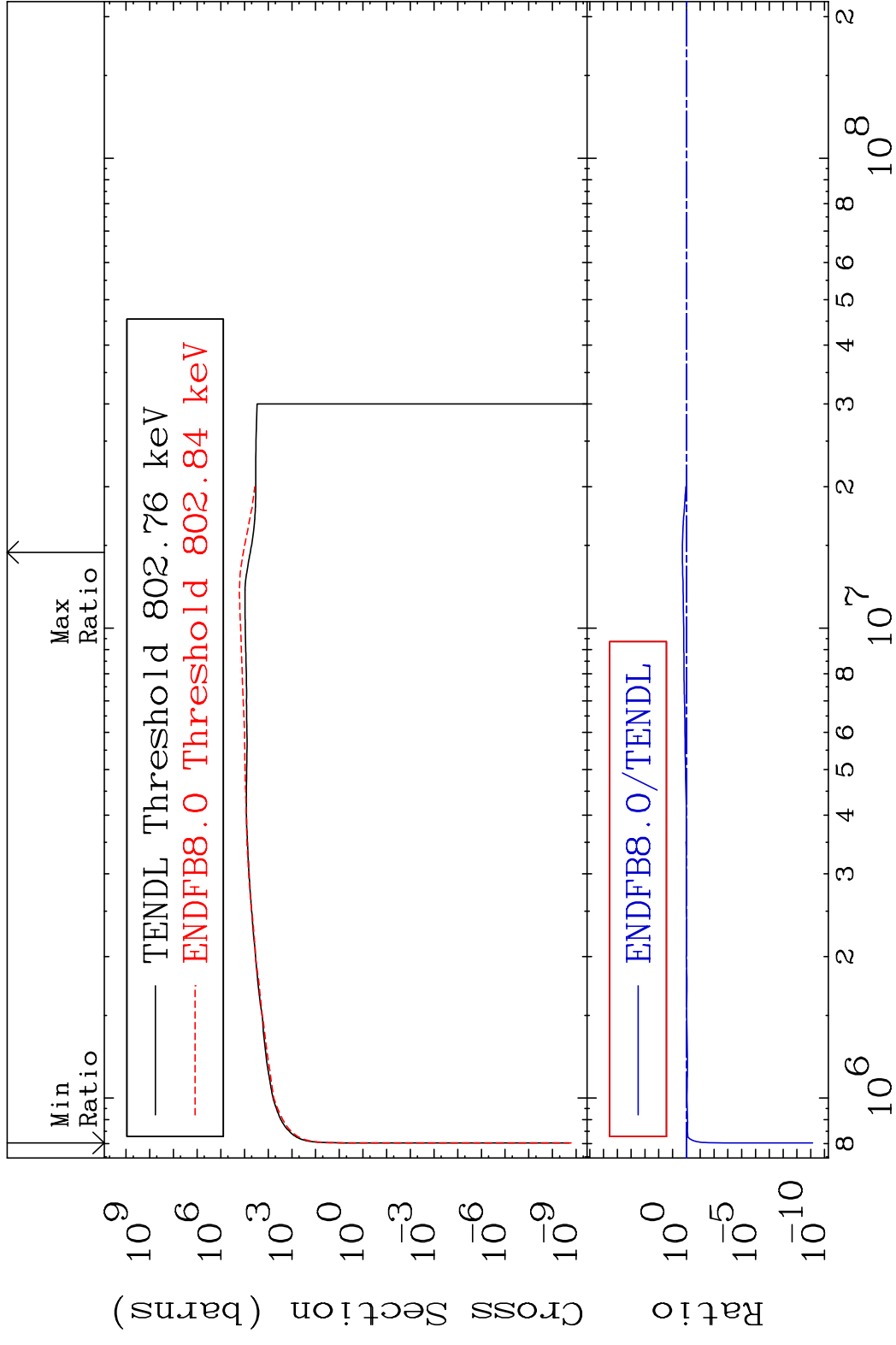
38-Sr-84

Cross Section -100.0 To 9999. %

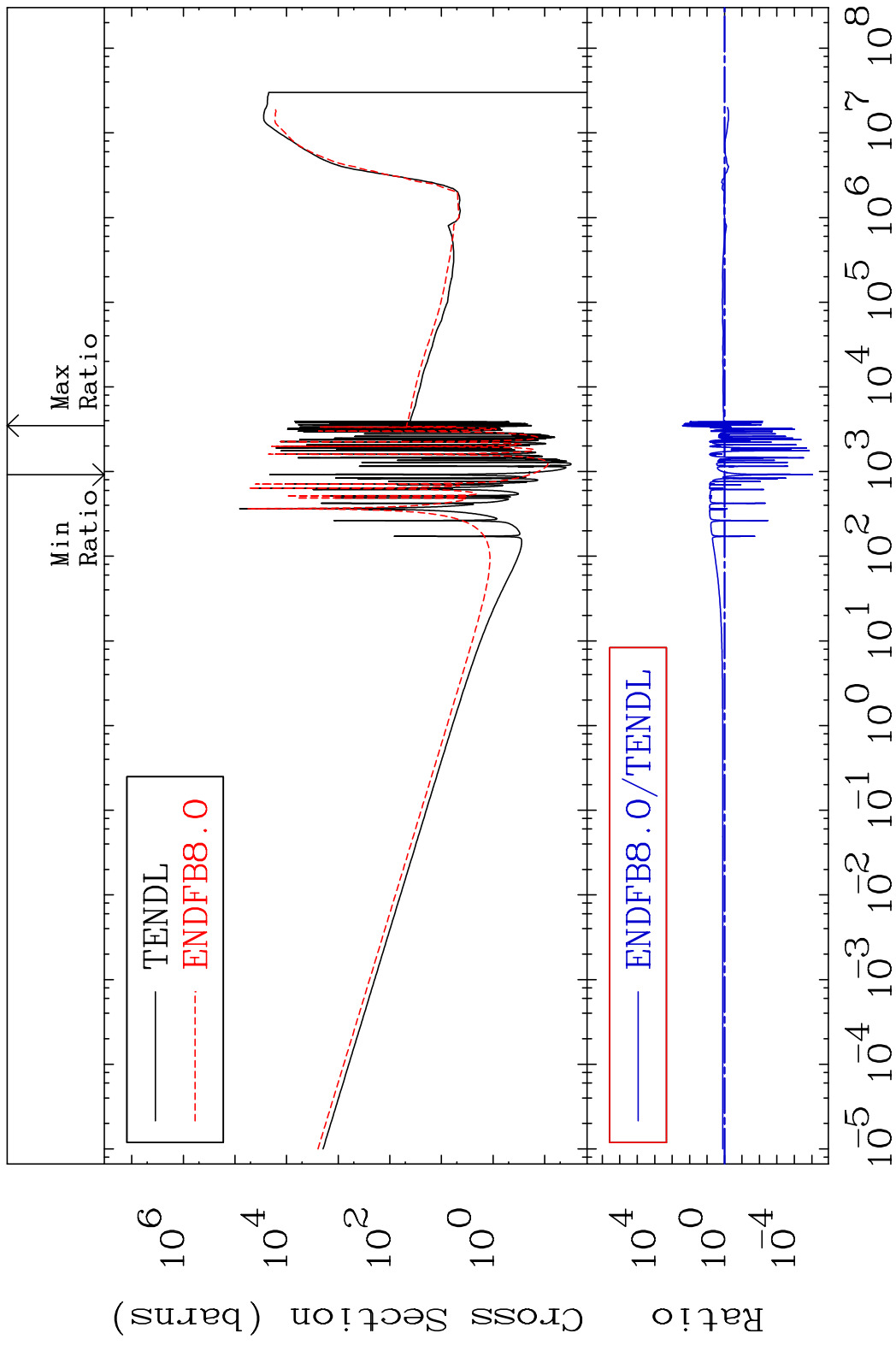




MAT 3825      Dpa inelastic (mt51-91)      38-Sr-84  
 Cross Section      -100.0 To 96.39 %



MAT 3825 Dpa disappearance (mt102 -120) 38-Sr-84  
 Cross Section -100.0 To 9999. %



33 Incident Energy (eV) 38-Sr-84