

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

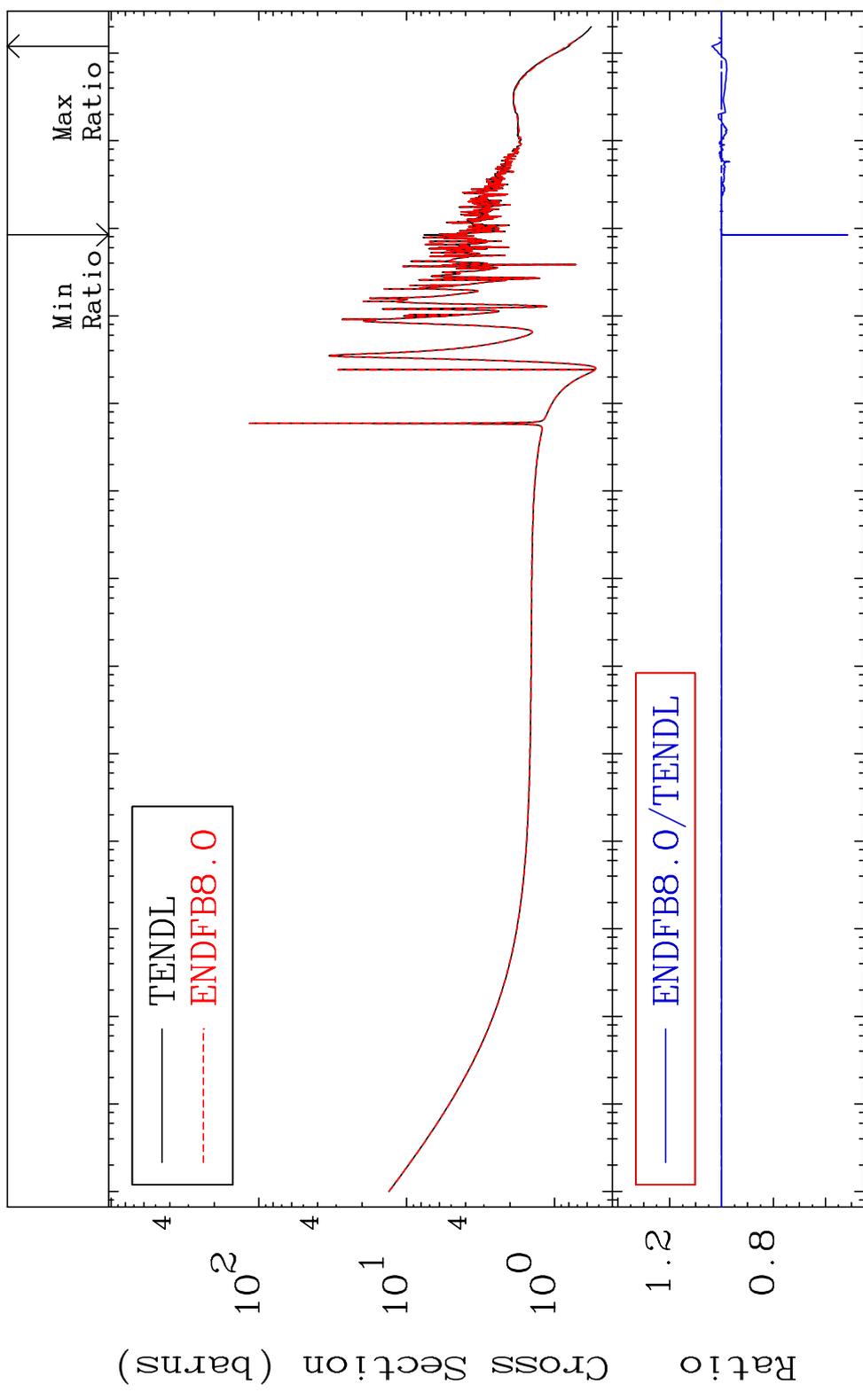
MAT 1325

Total

13-A1-27

Cross Section

-48.55 To 3.790 %



1

Incident Energy (eV)

13-A1-27

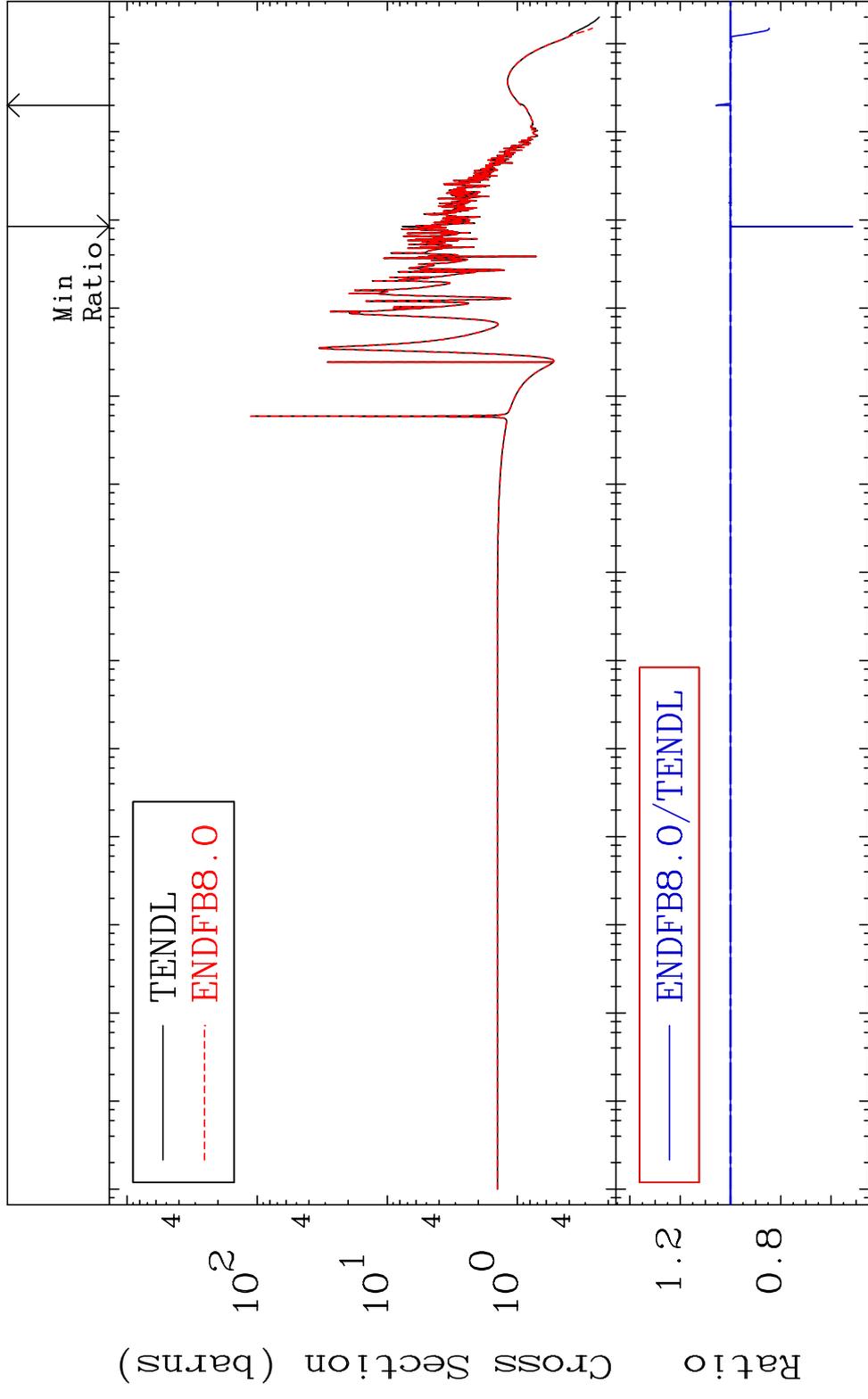
MAT 1325

Elastic

13-Al-27

Cross Section

-48.55 To 5.792 %



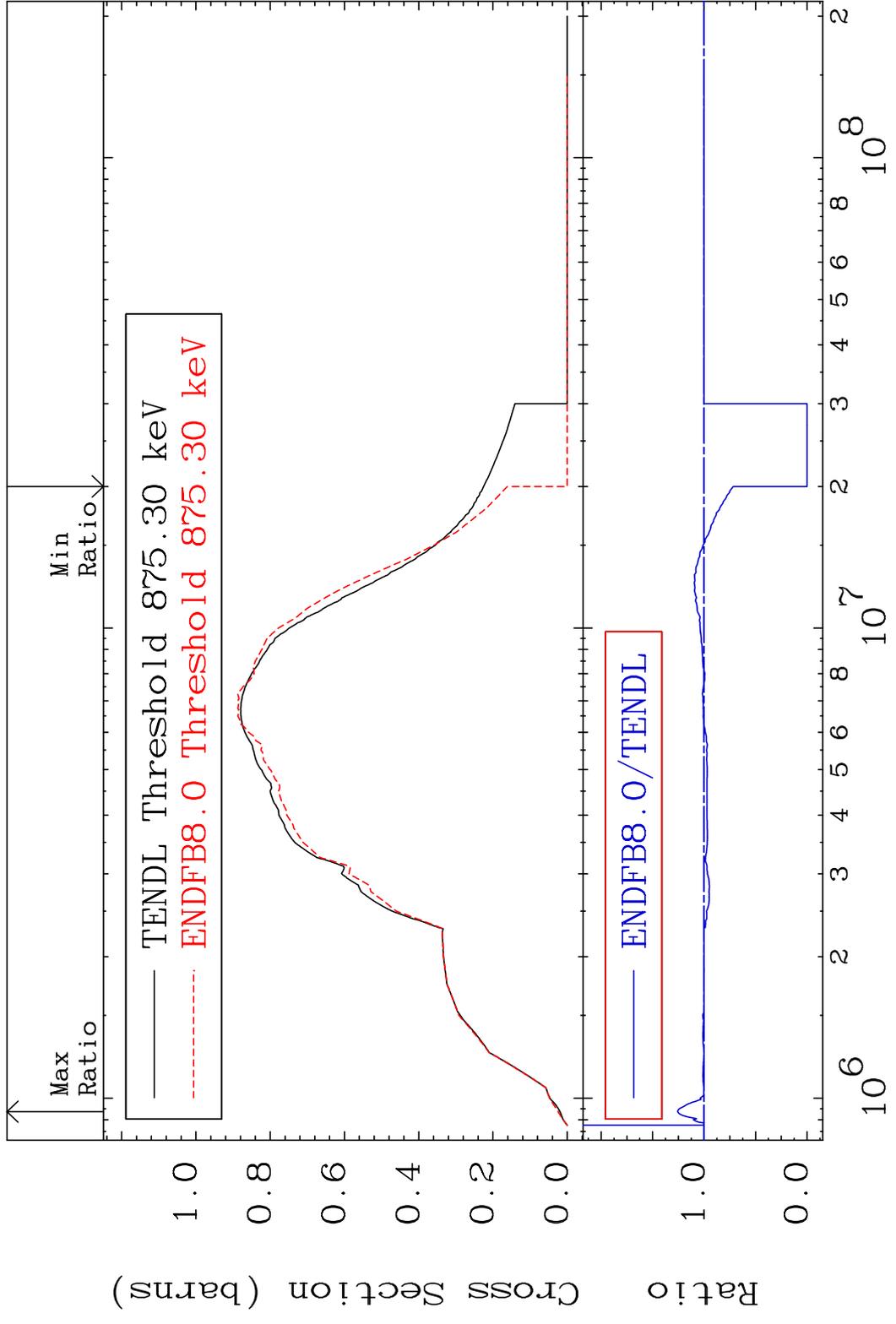
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

2

Incident Energy (eV)

13-Al-27

MAT 1325 Inelastic 13-Al-27  
 Cross Section -100.0 To 25.64 %



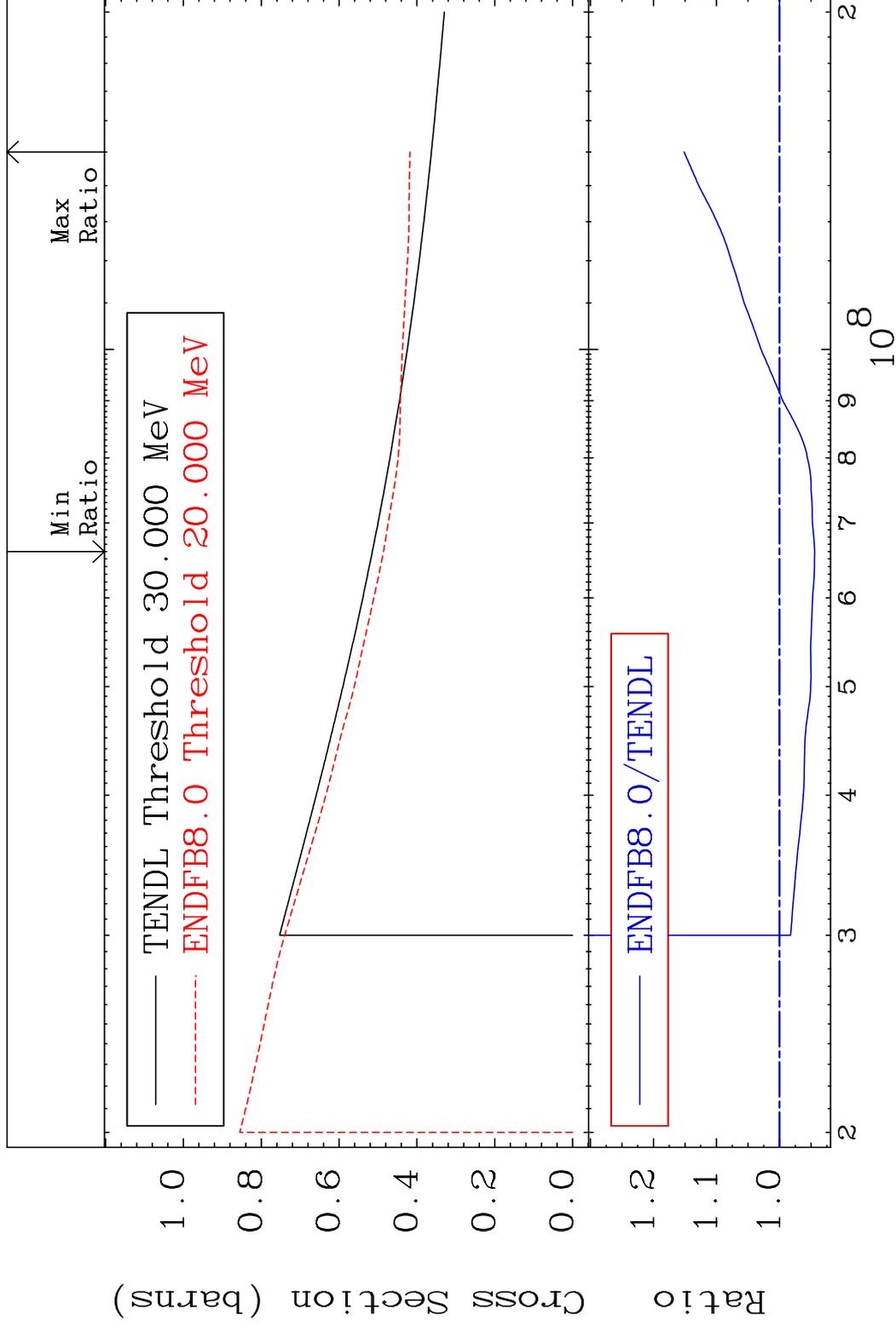
3 Incident Energy (eV) 13-Al-27

MAT 1325

(n, remainder)

13-Al-27

Cross Section -5.575 To 15.14 %

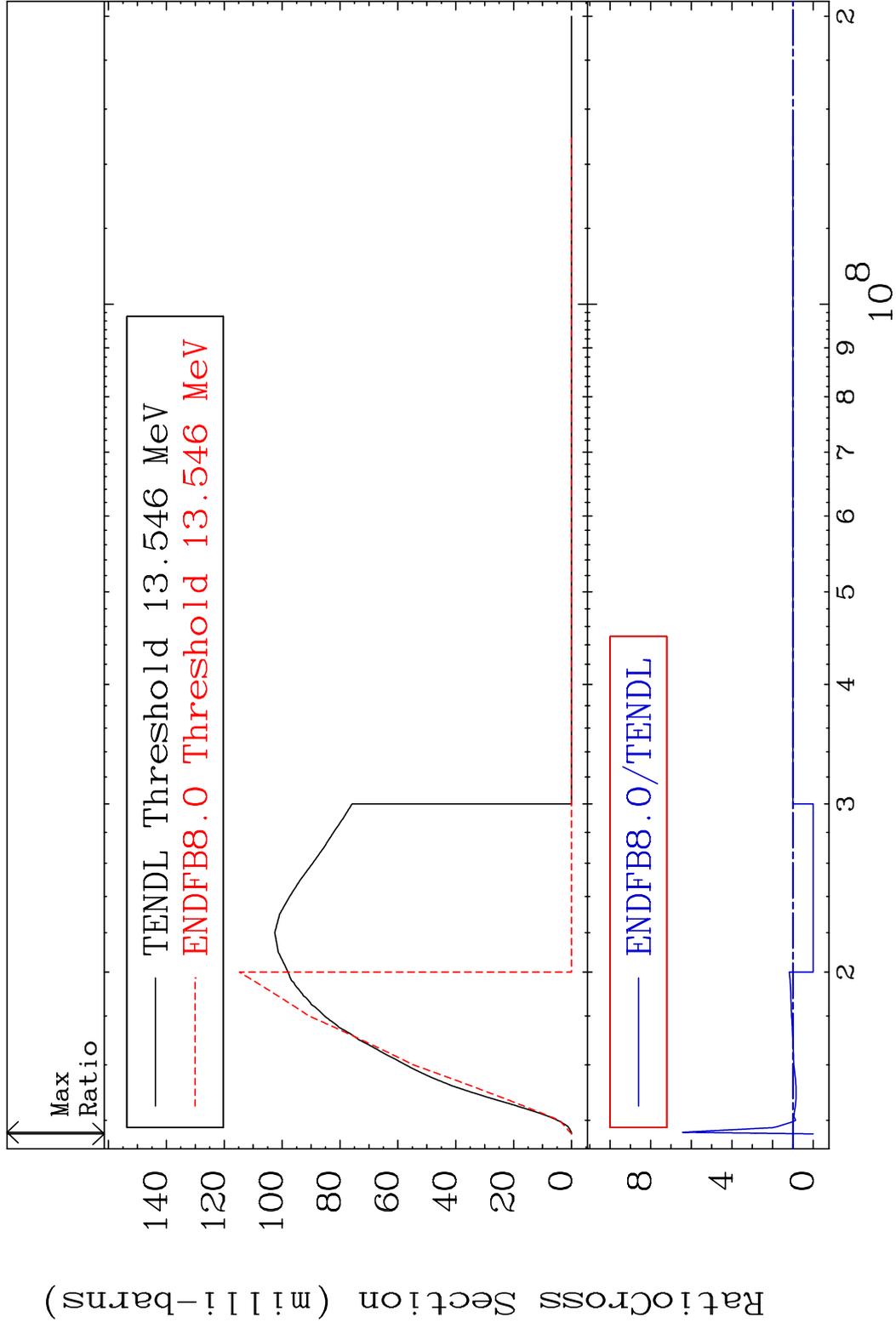


13-Al-27

Incident Energy (eV)

4

MAT 1325 (n,2n) 13-Al-27  
 Cross Section -100.0 To 541.3 %

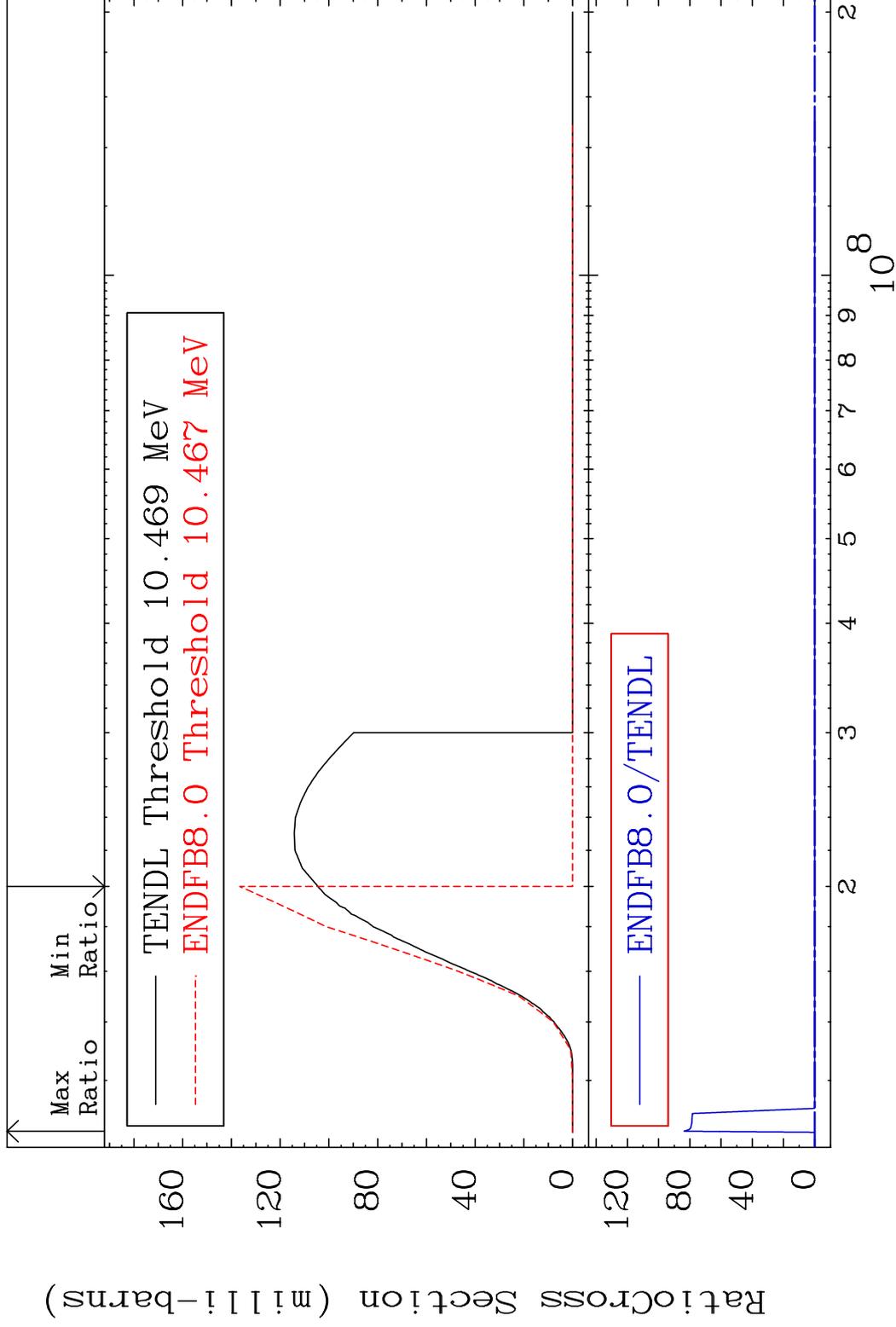


MAT 1325

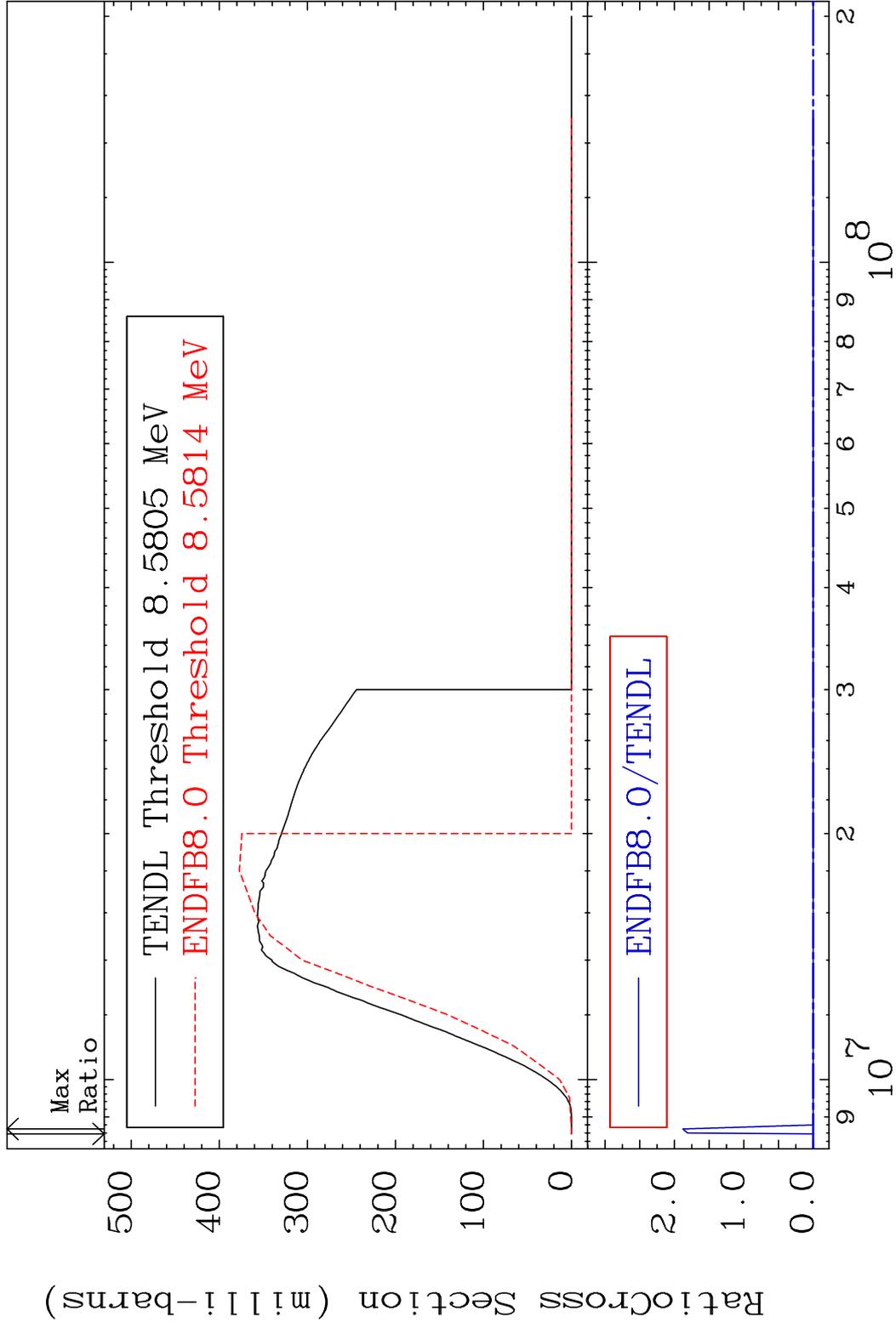
(n, n')  $\alpha$

13-Al-27

Cross Section -100.0 To 9999. %

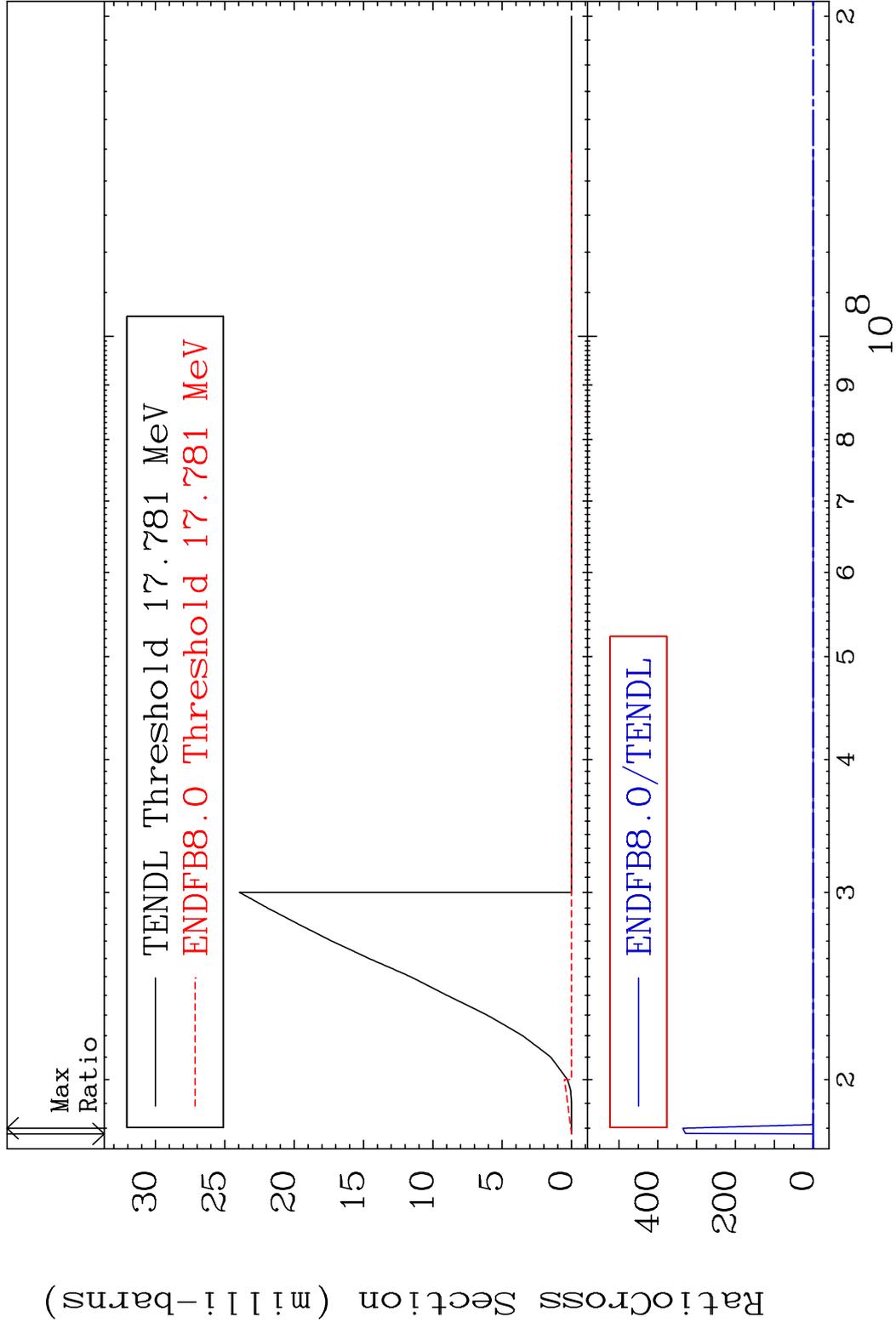


MAT 1325 (n, n') p 13-Al-27  
 Cross Section -100.0 To 9999. %



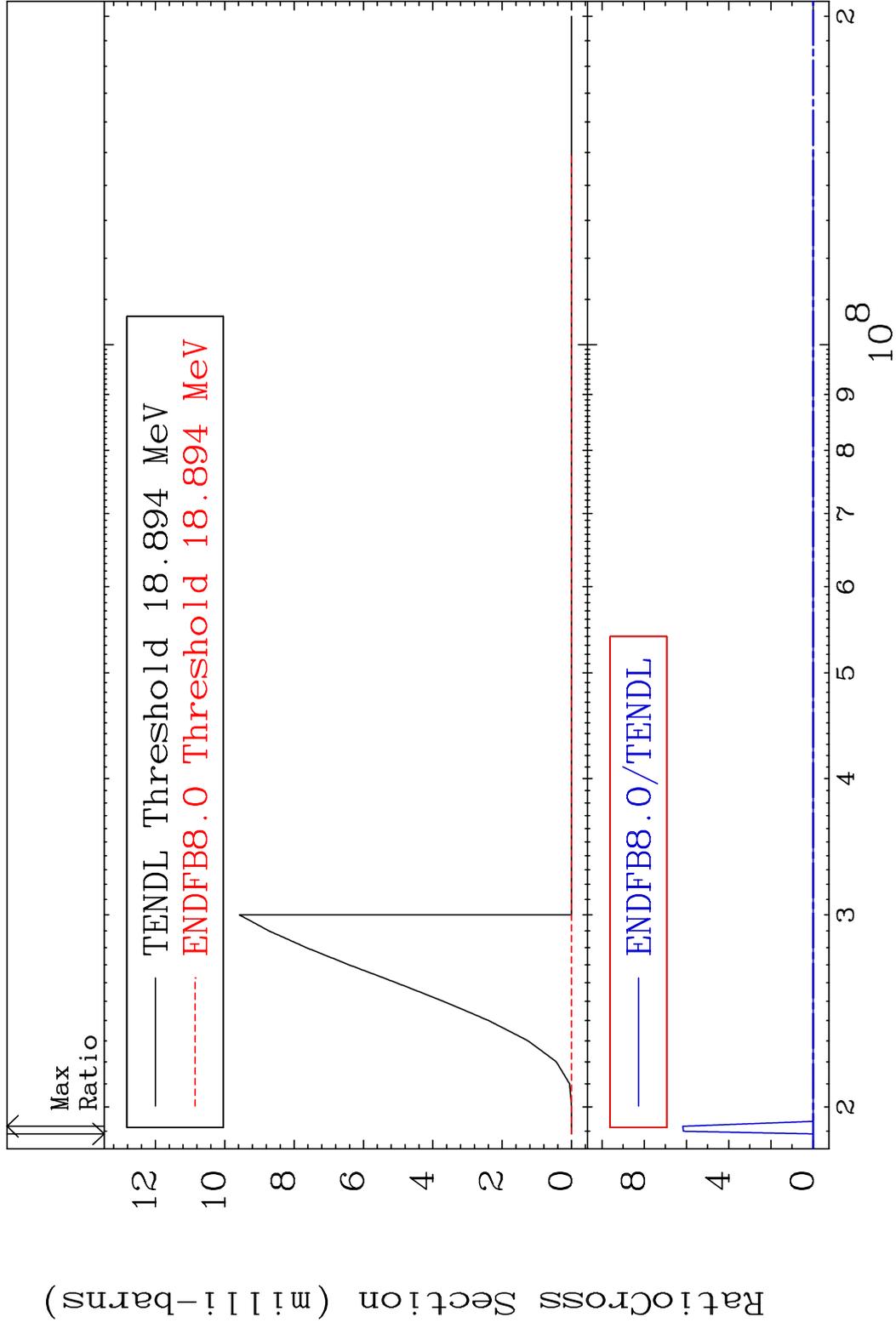
7 Incident Energy (eV) 13-Al-27

MAT 1325 (n, n') d 13-Al-27  
 Cross Section -100.0 To 9999. %



8 Incident Energy (eV) 13-Al-27

MAT 1325 (n, n') t 13-Al-27  
 Cross Section -100.0 To 9999. %

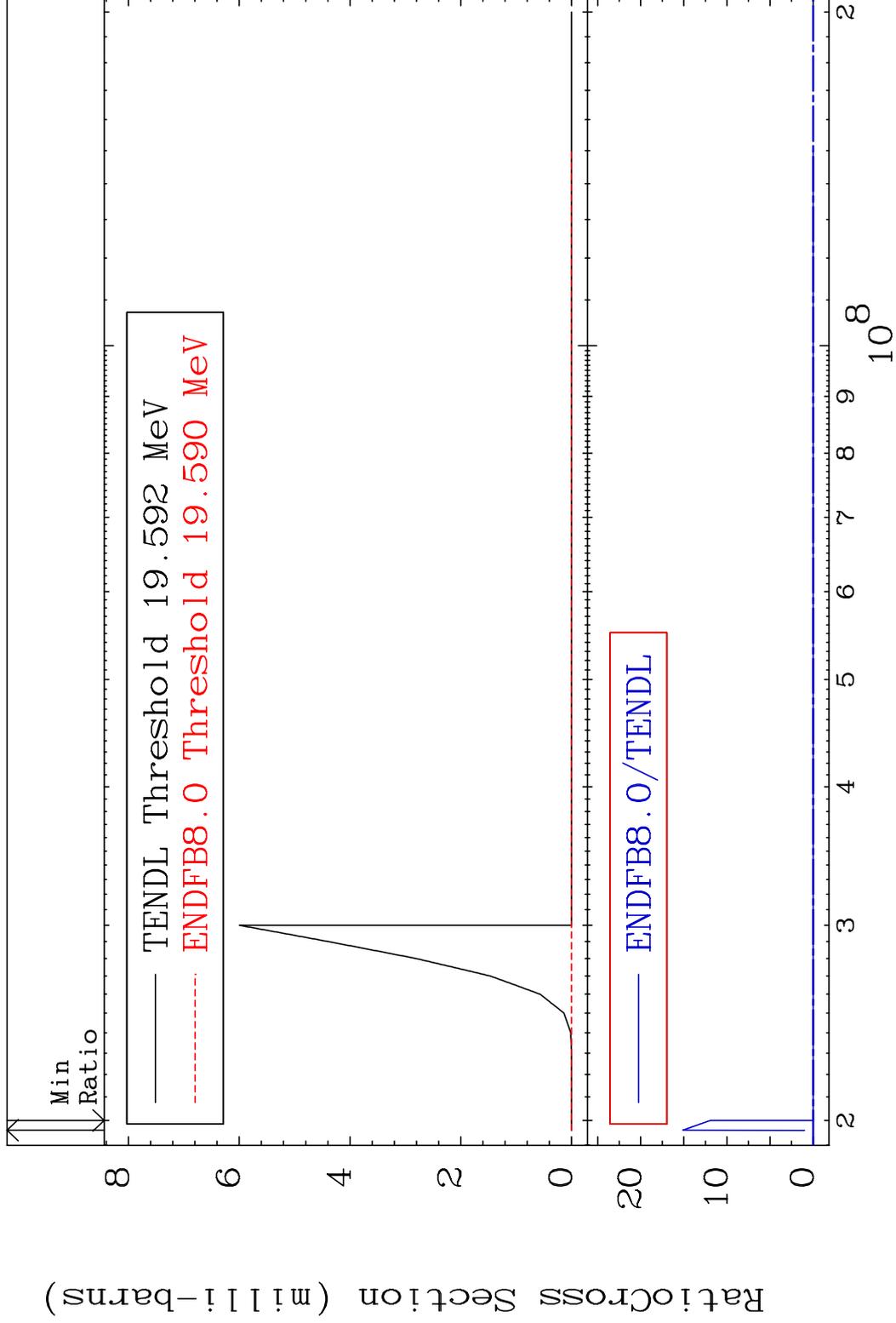


MAT 1325

(n,n') p  $\alpha$

13-Al-27

Cross Section -100.0 To 9999. %

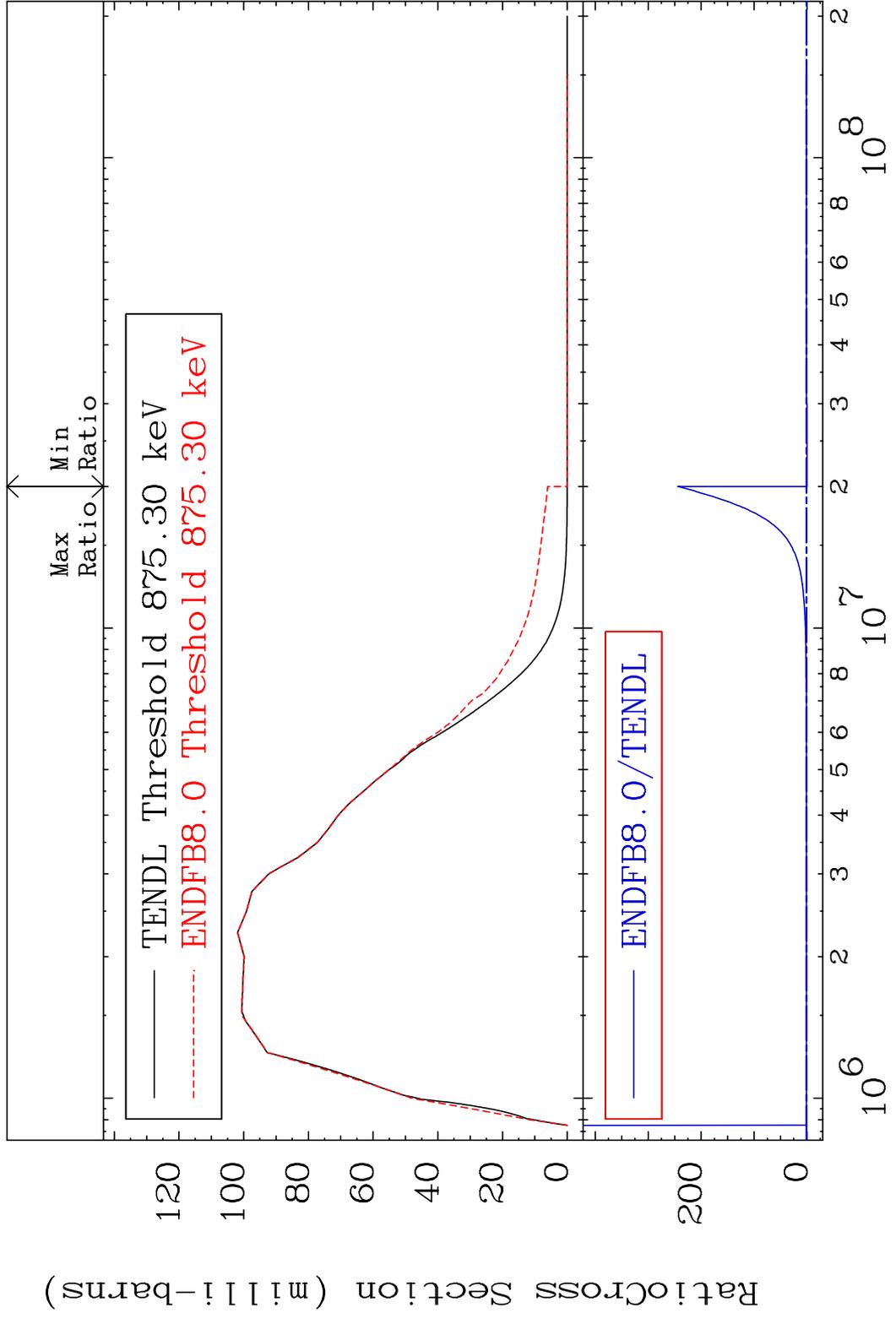


10

Incident Energy (eV)

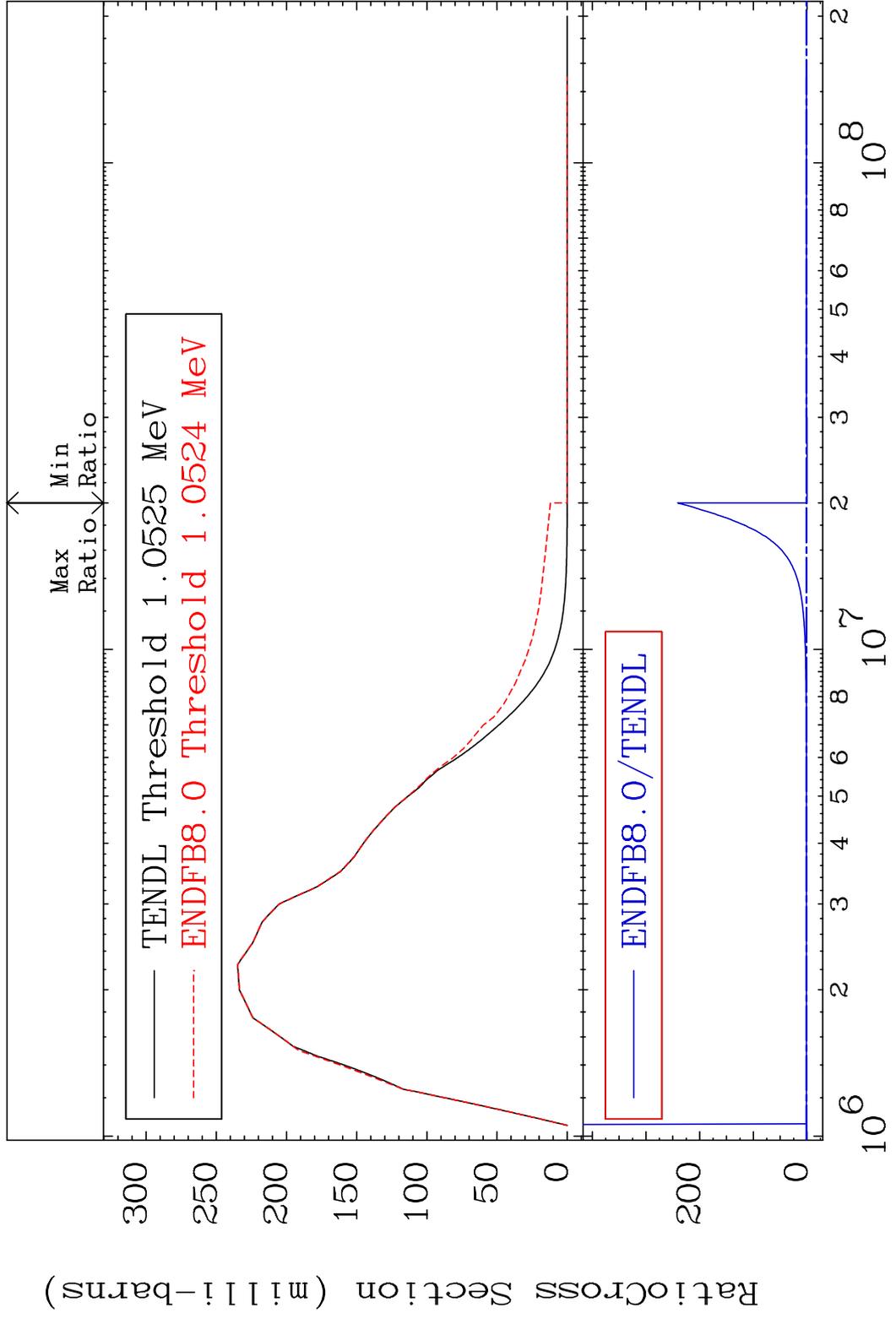
13-Al-27

MAT 1325 MT= 51 (n, n') Level 13-Al-27  
 Cross Section -100.0 To 9999. %



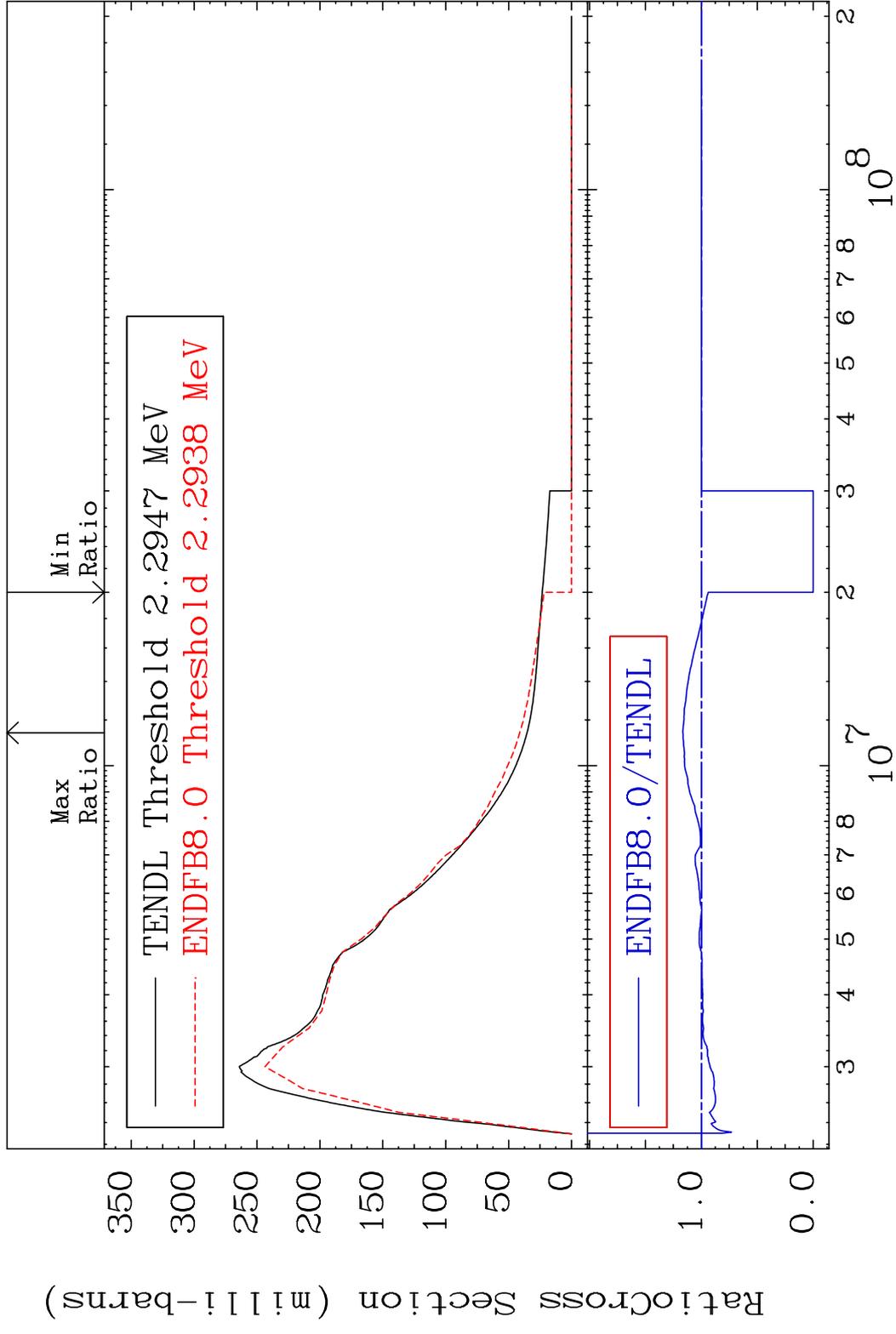
11 Incident Energy (eV) 13-Al-27

MAT 1325 MT= 52 (n, n') Level 13-Al-27  
 Cross Section -100.0 To 9999. %

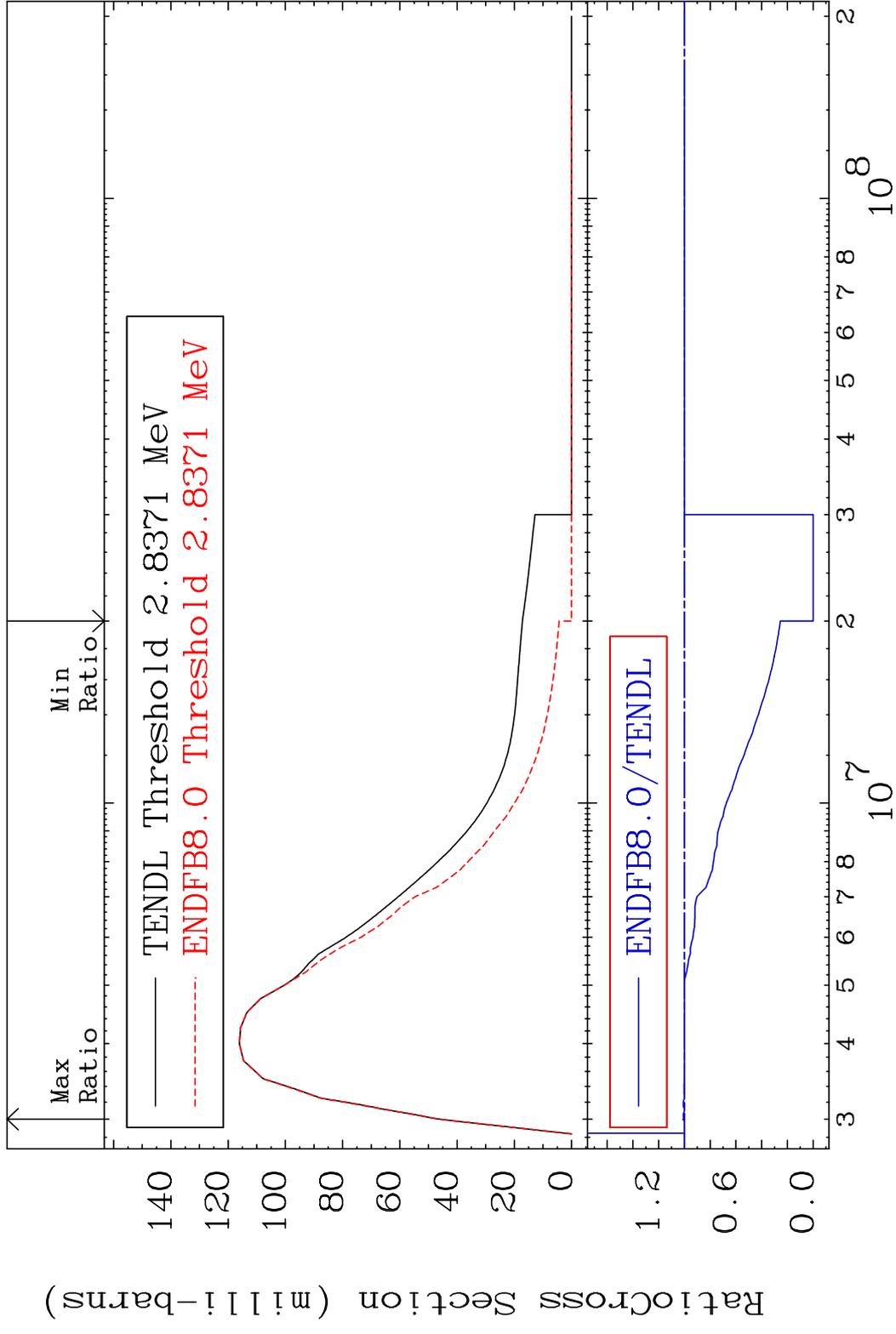


12 Incident Energy (eV) 13-Al-27

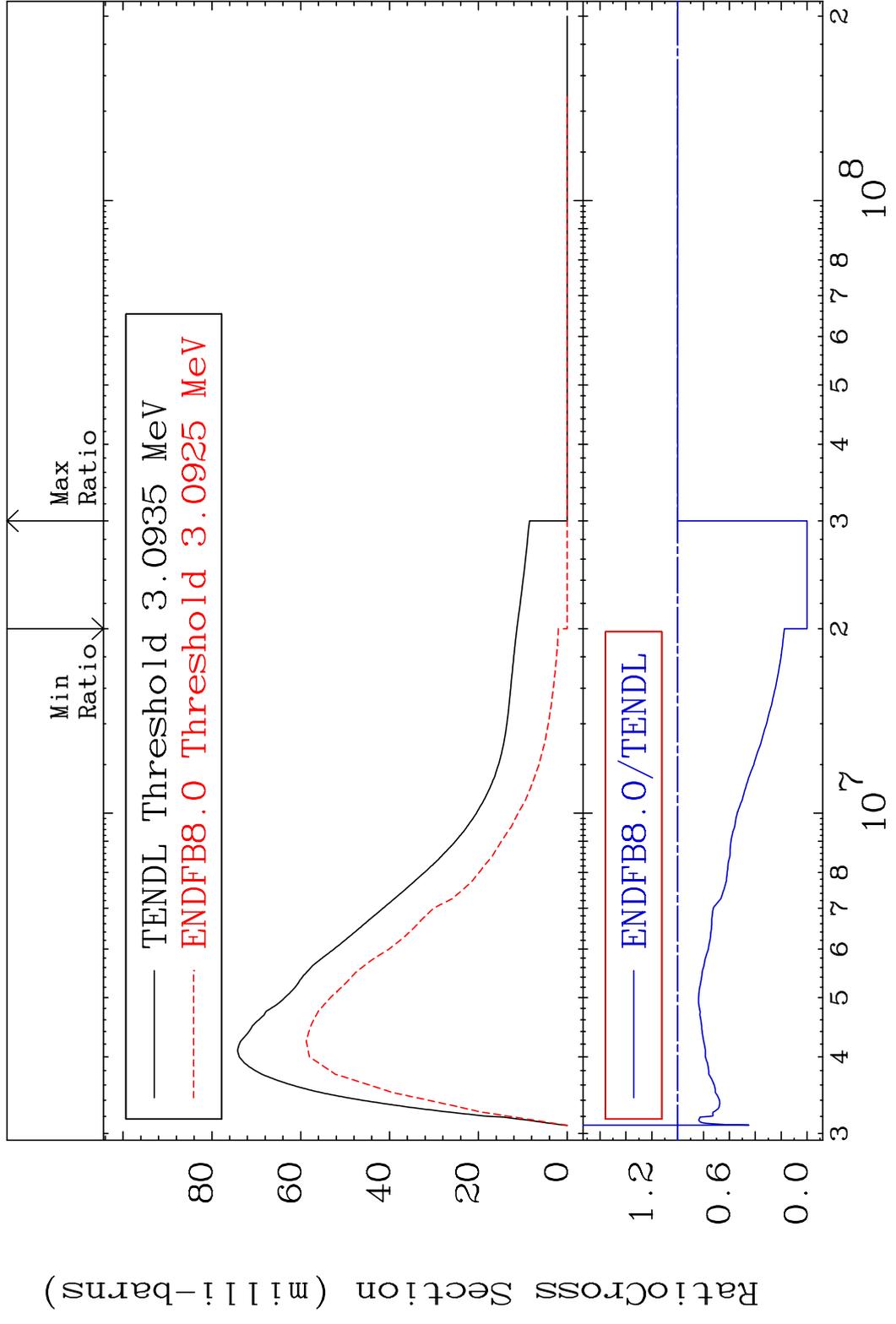
MAT 1325 MT= 53 (n, n') Level 13-Al-27  
 Cross Section -100.0 To 16.53 %



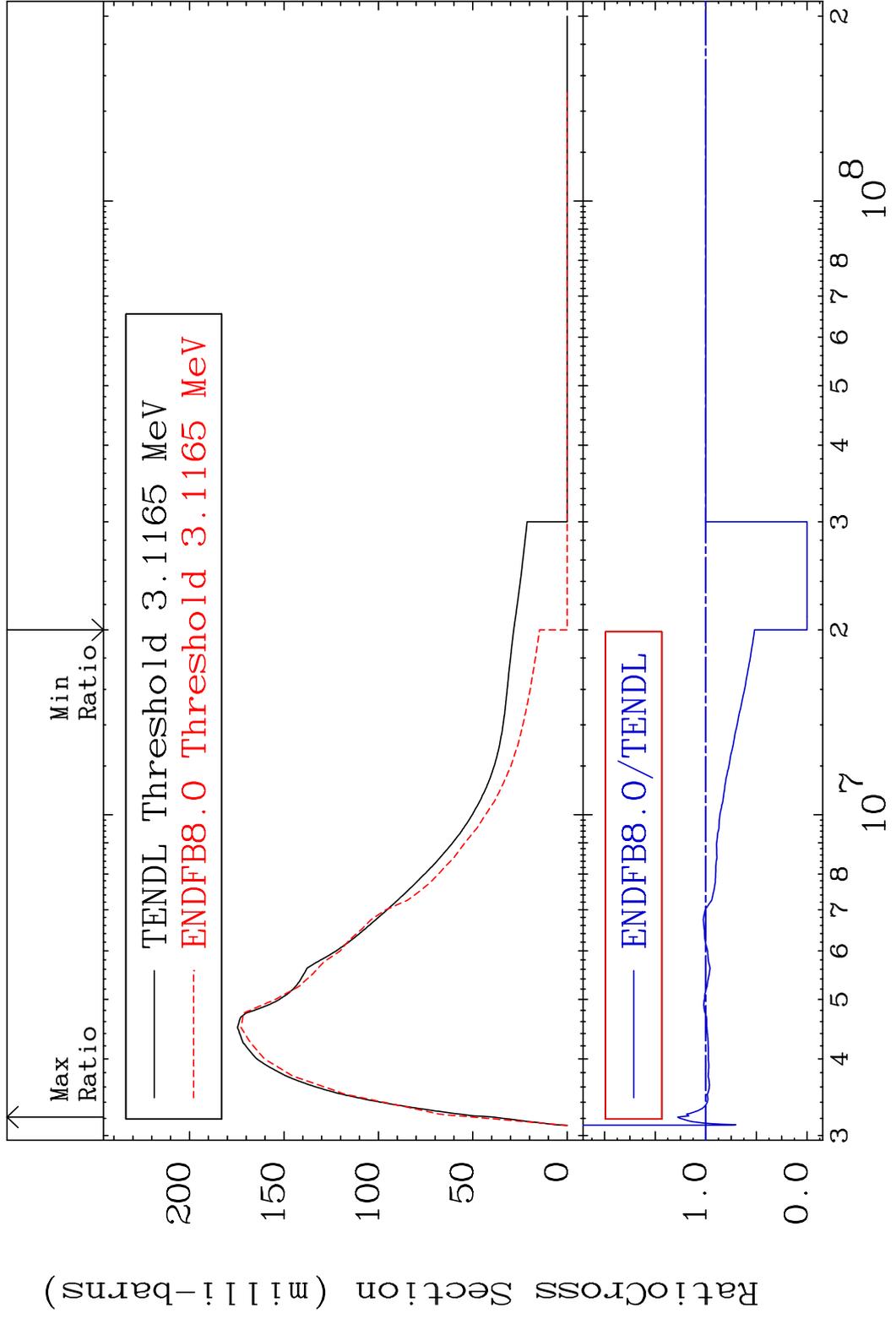
MAT 1325 MT= 54 (n,n') Level 13-Al-27  
 Cross Section -100.0 To 1.220 %



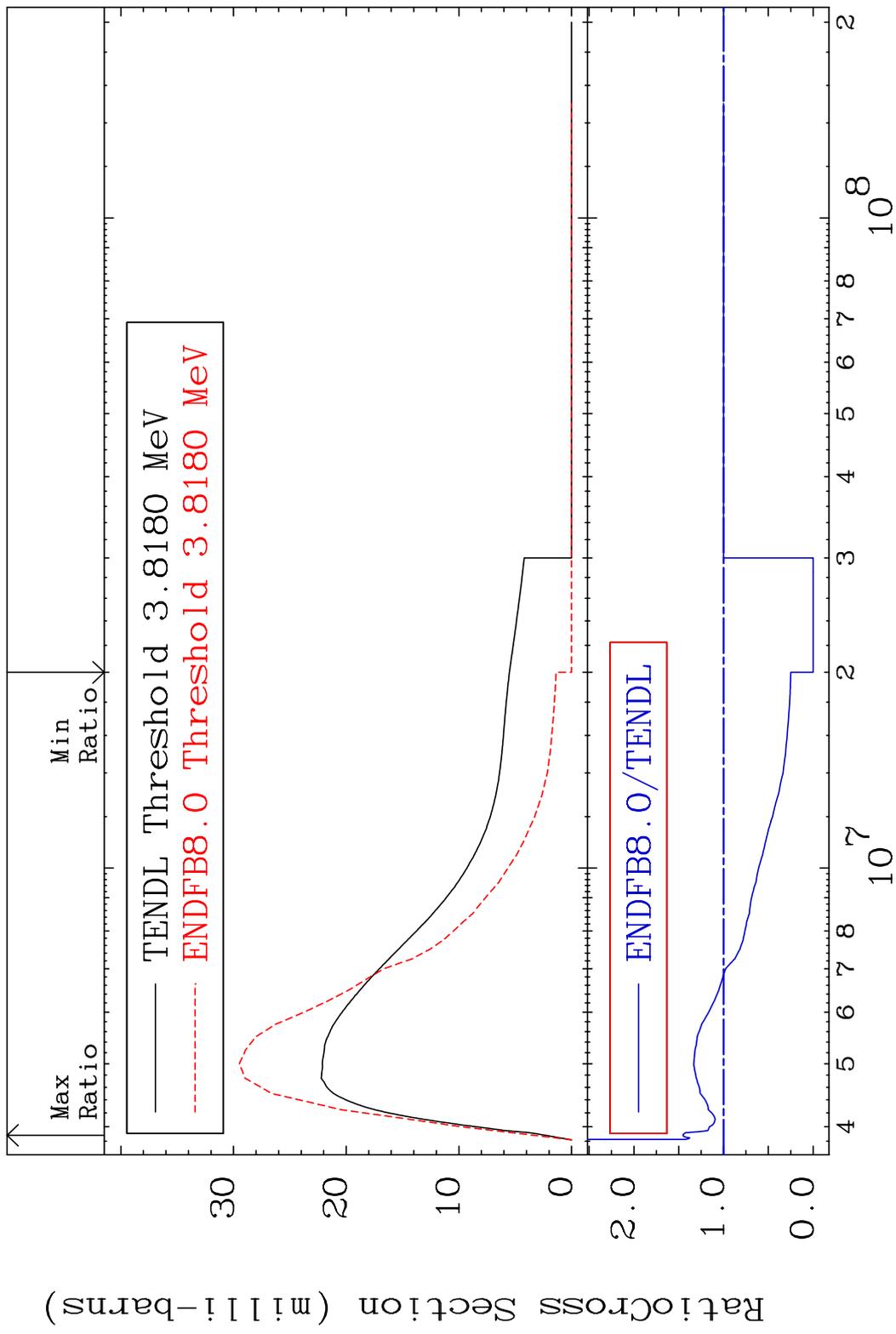
MAT 1325 MT= 55 (n, n') Level 13-Al-27  
 Cross Section -100.0 To 0.000 %



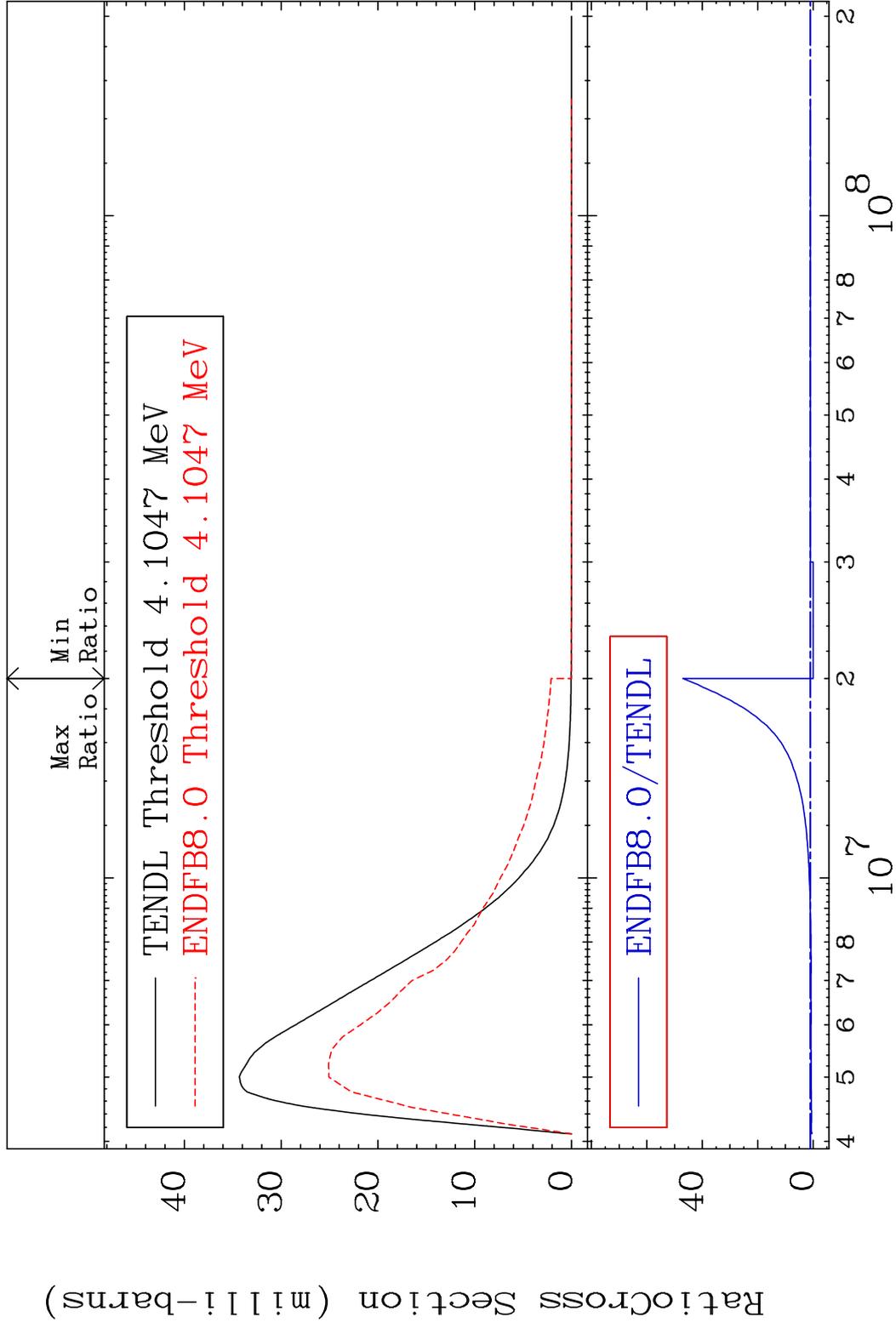
MAT 1325 MT= 56 (n,n') Level 13-Al-27  
 Cross Section -100.0 To 27.79 %



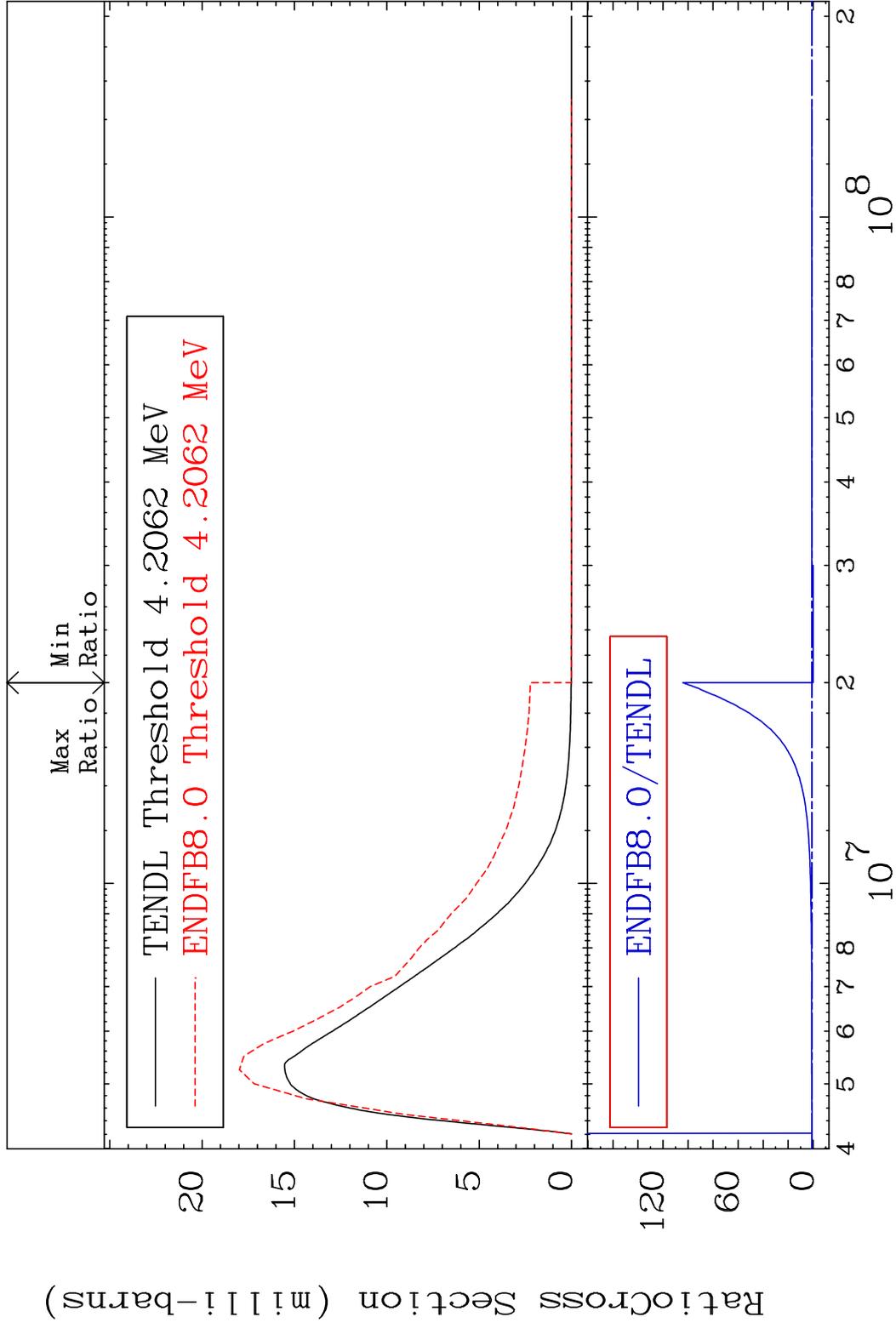
MAT 1325 MT= 57 (n,n') Level 13-Al-27  
 Cross Section -100.0 To 45.43 %



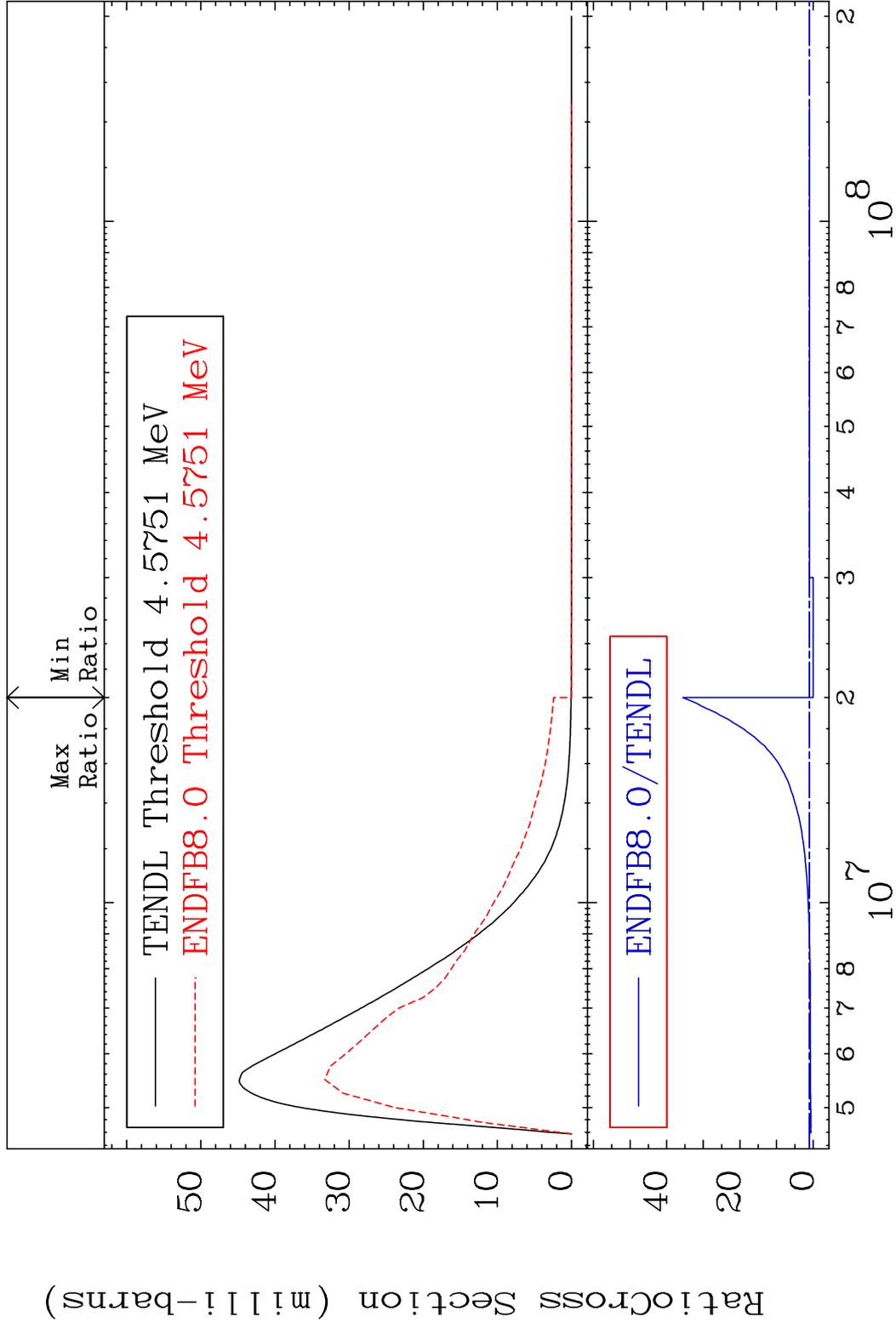
MAT 1325 MT= 58 (n, n') Level 13-Al-27  
 Cross Section -100.0 To 4602. %



MAT 1325 MT= 59 (n, n') Level 13-Al-27  
 Cross Section -100.0 To 9999. %

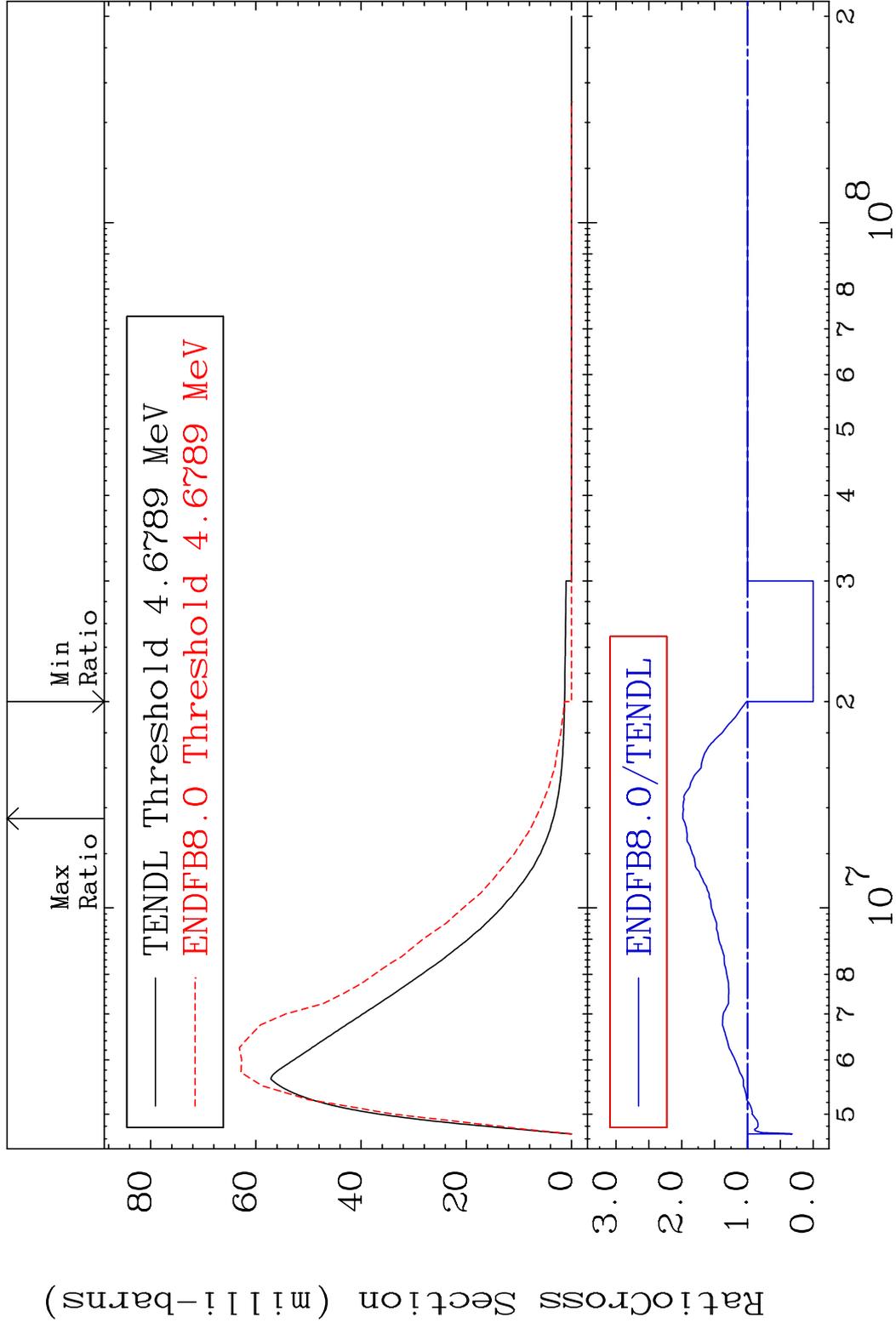


MAT 1325 MT= 60 (n, n') Level 13-Al-27  
 Cross Section -100.0 To 3458. %

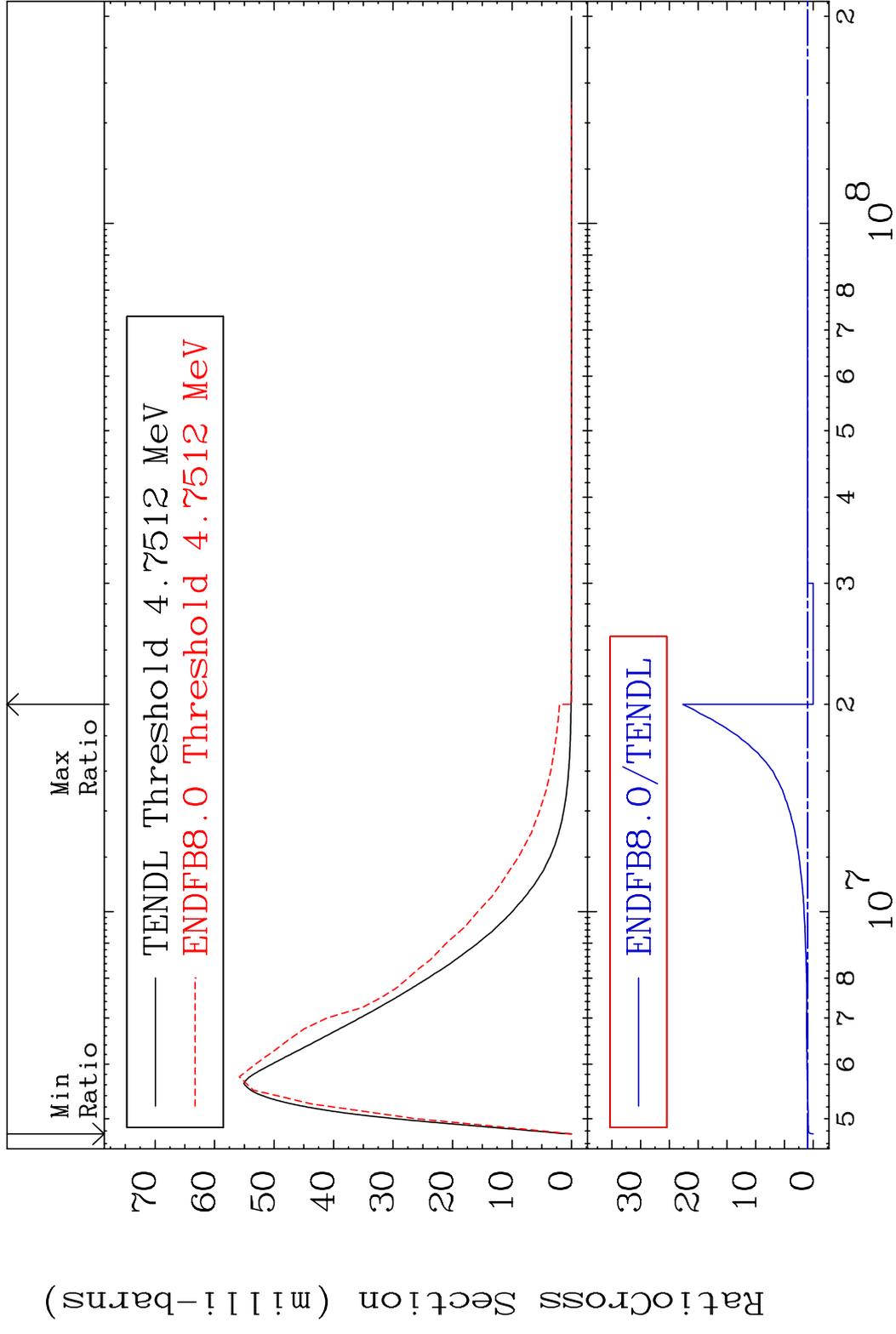


20 Incident Energy (eV) 13-Al-27

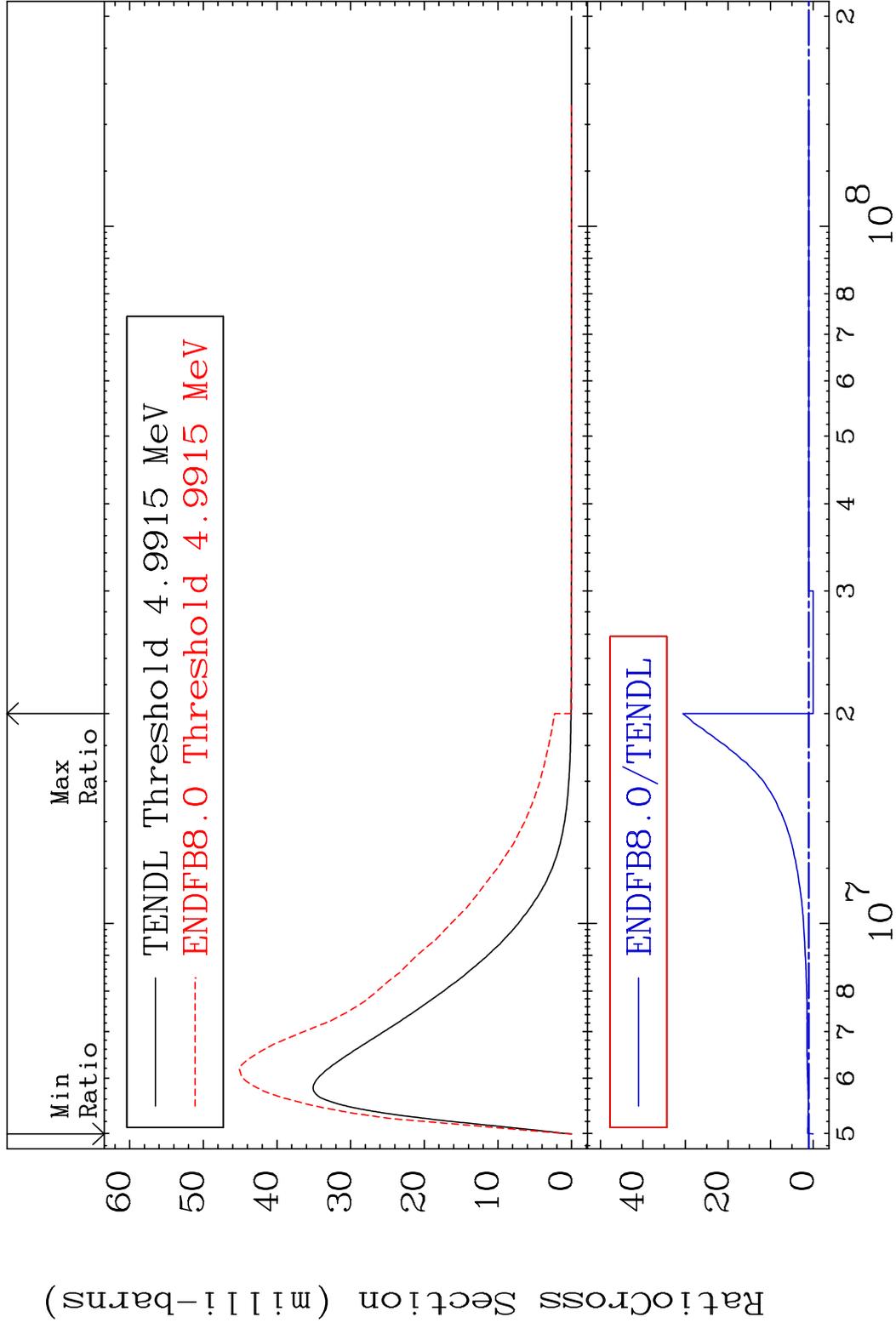
MAT 1325 MT= 61 (n, n') Level 13-A1-27  
 Cross Section -100.0 To 98.22 %



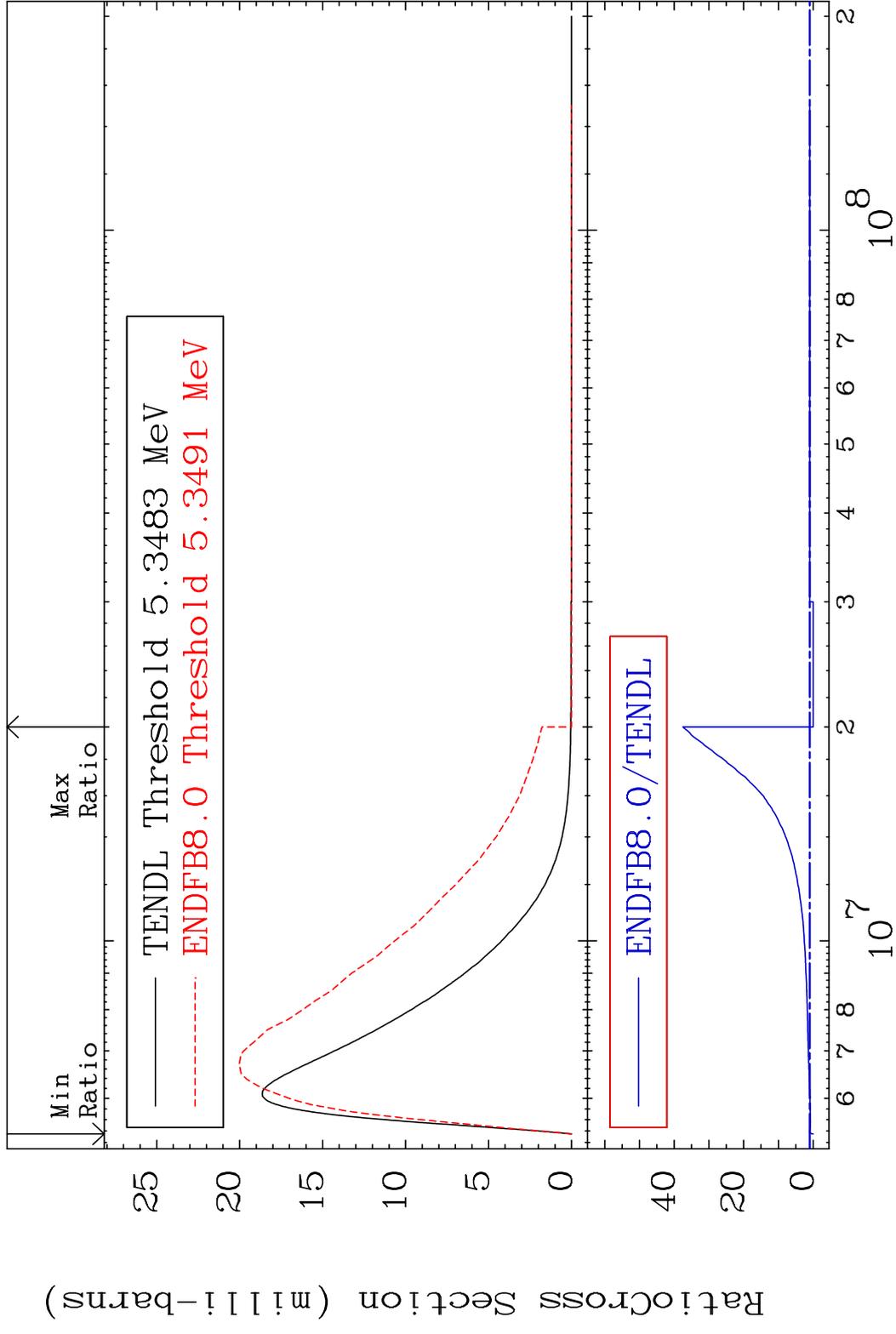
MAT 1325 MT= 62 (n, n') Level 13-Al-27  
 Cross Section -100.0 To 2165. %



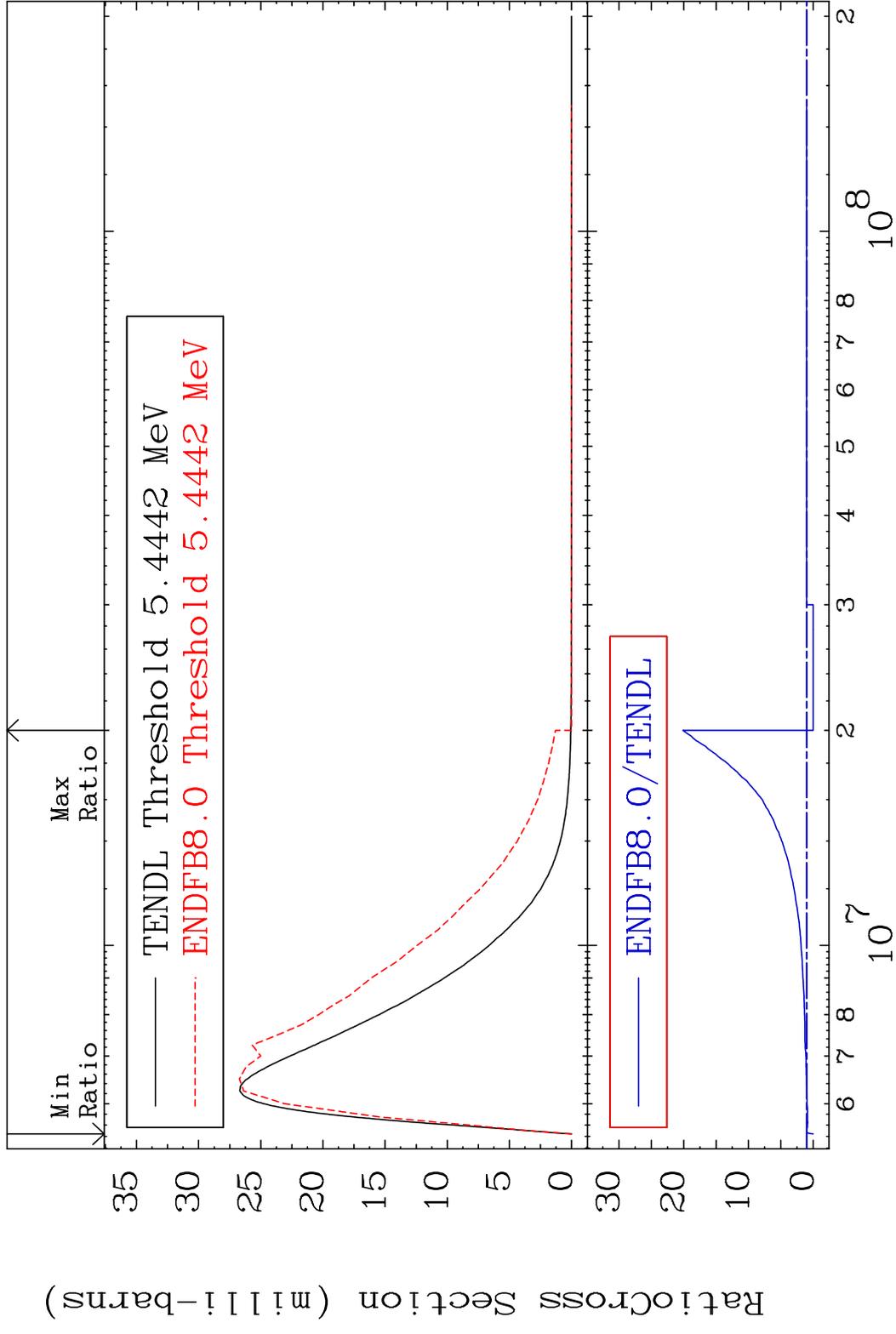
MAT 1325 MT= 63 (n, n') Level 13-Al-27  
 Cross Section -100.0 To 2962. %



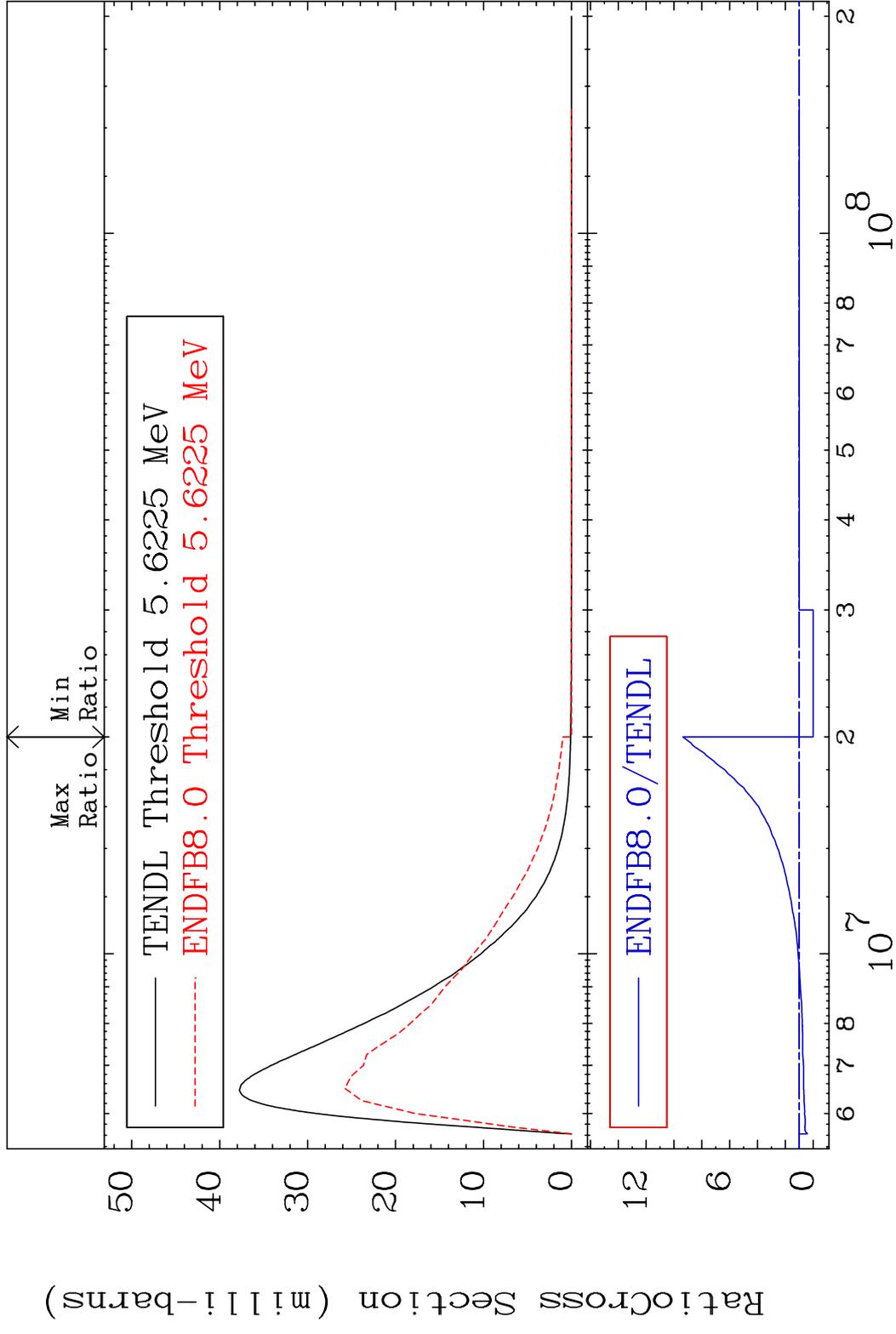
MAT 1325 MT= 64 (n,n') Level 13-Al-27  
 Cross Section -100.0 To 3652. %



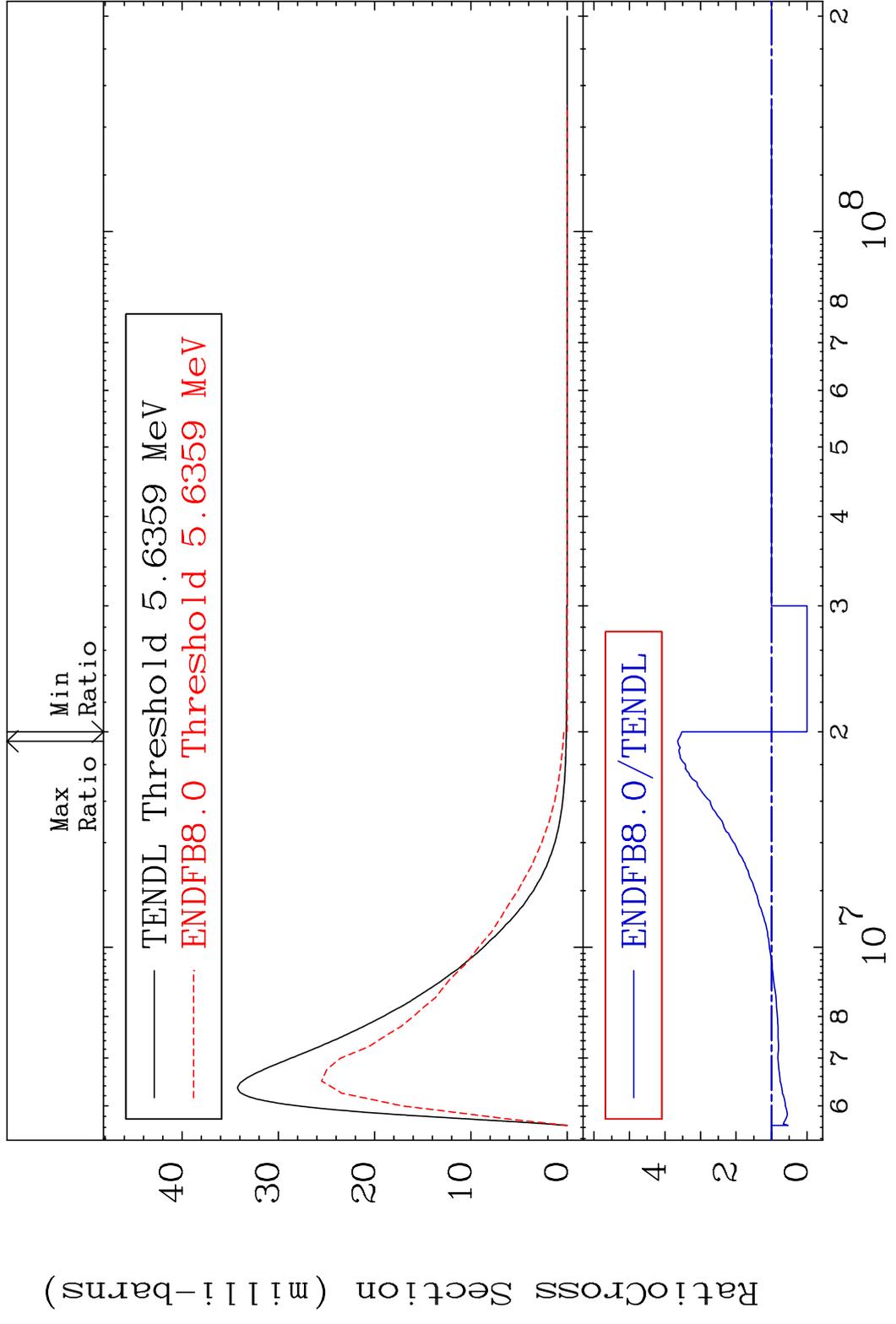
MAT 1325 MT= 65 (n,n') Level 13-Al-27  
 Cross Section -100.0 To 1914. %



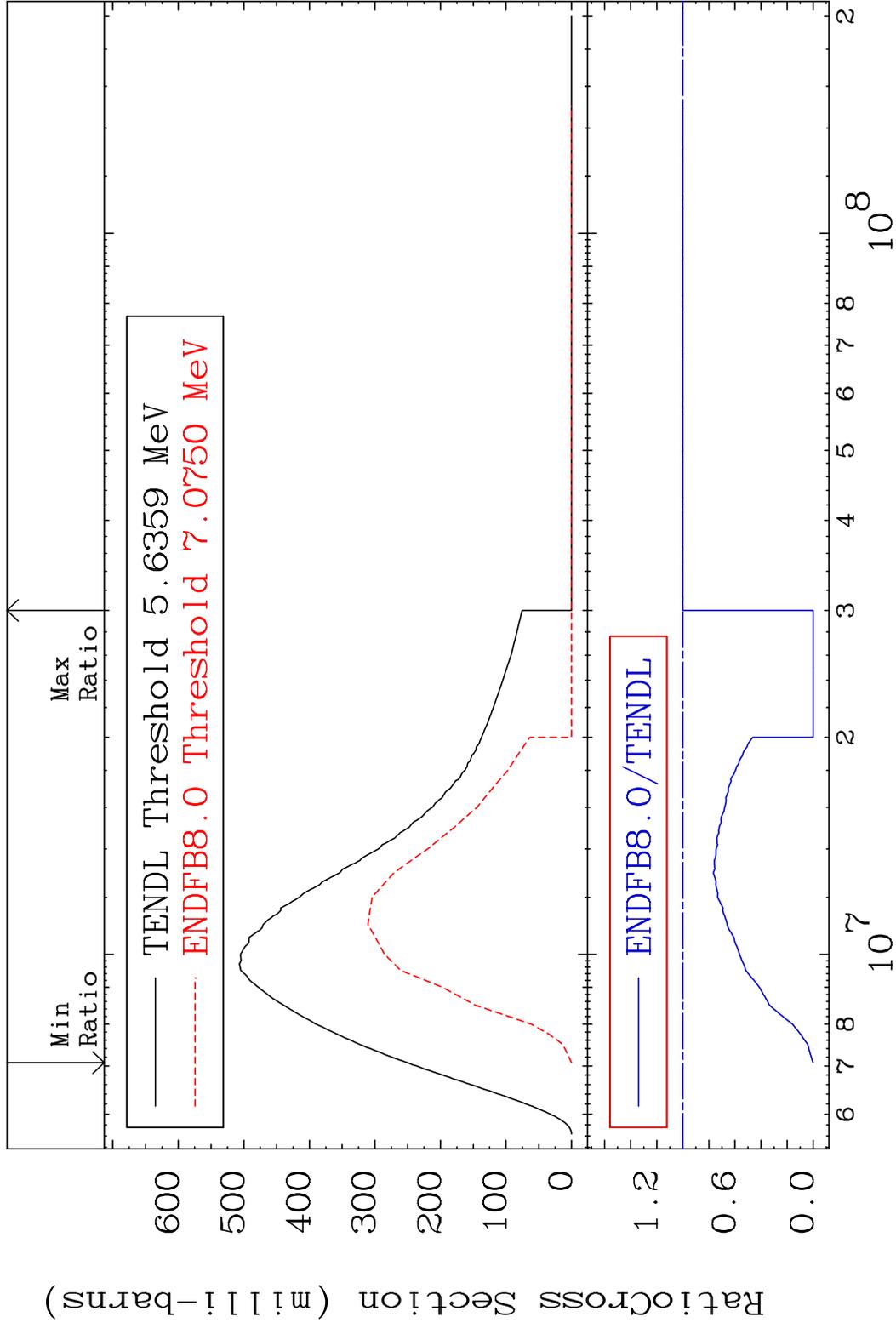
MAT 1325 MT= 66 (n,n') Level 13-Al-27  
 Cross Section -100.0 To 836.1 %



MAT 1325 MT= 67 (n,n') Level 13-Al-27  
 Cross Section -100.0 To 264.2 %



MAT 1325 (n,n') Continuum 13-Al-27  
 Cross Section -100.0 To 0.000 %



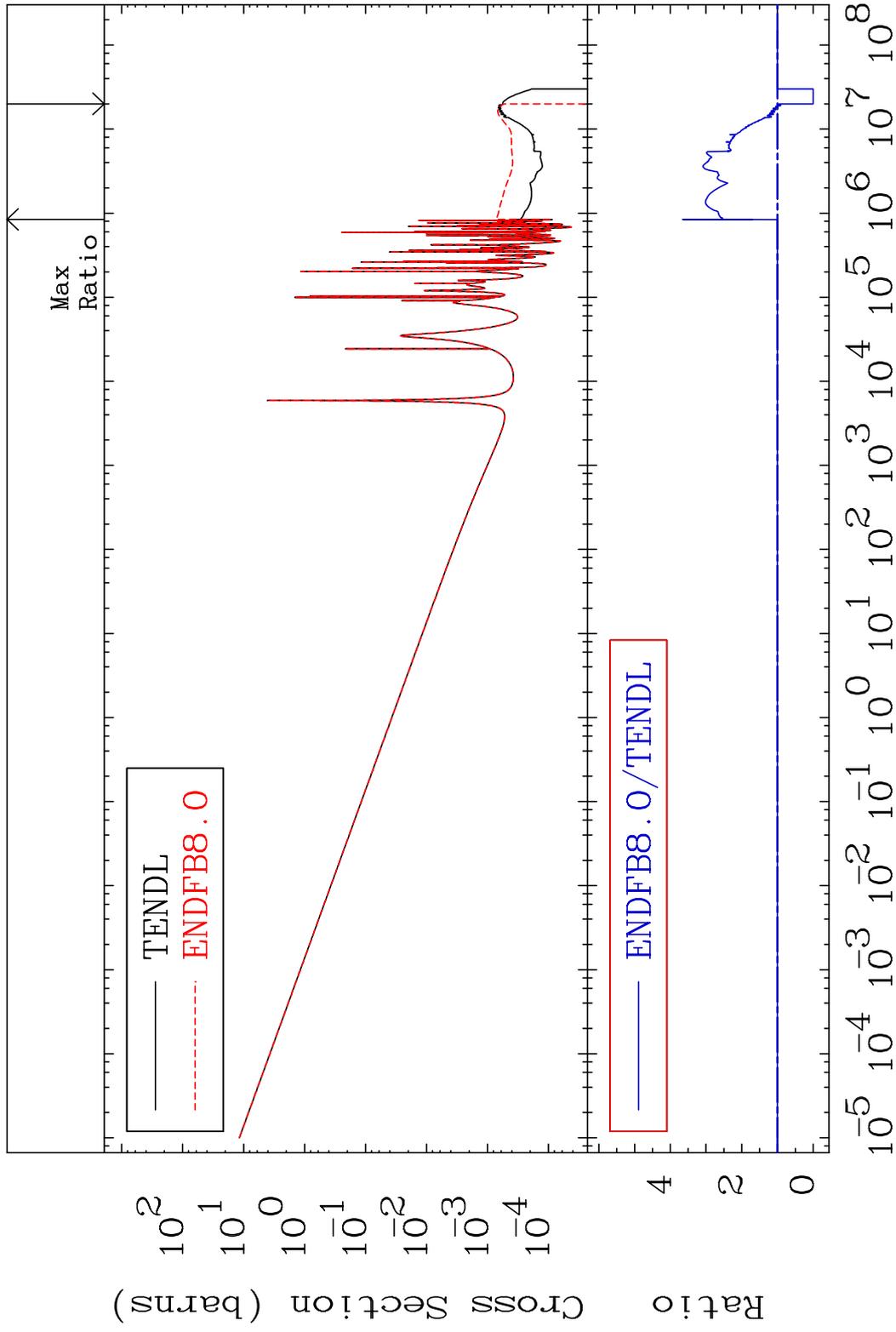
28 Incident Energy (eV) 13-Al-27

MAT 1325

(n,  $\gamma$ )

13-Al-27

Cross Section -100.0 To 264.9 %



29

Incident Energy (eV)

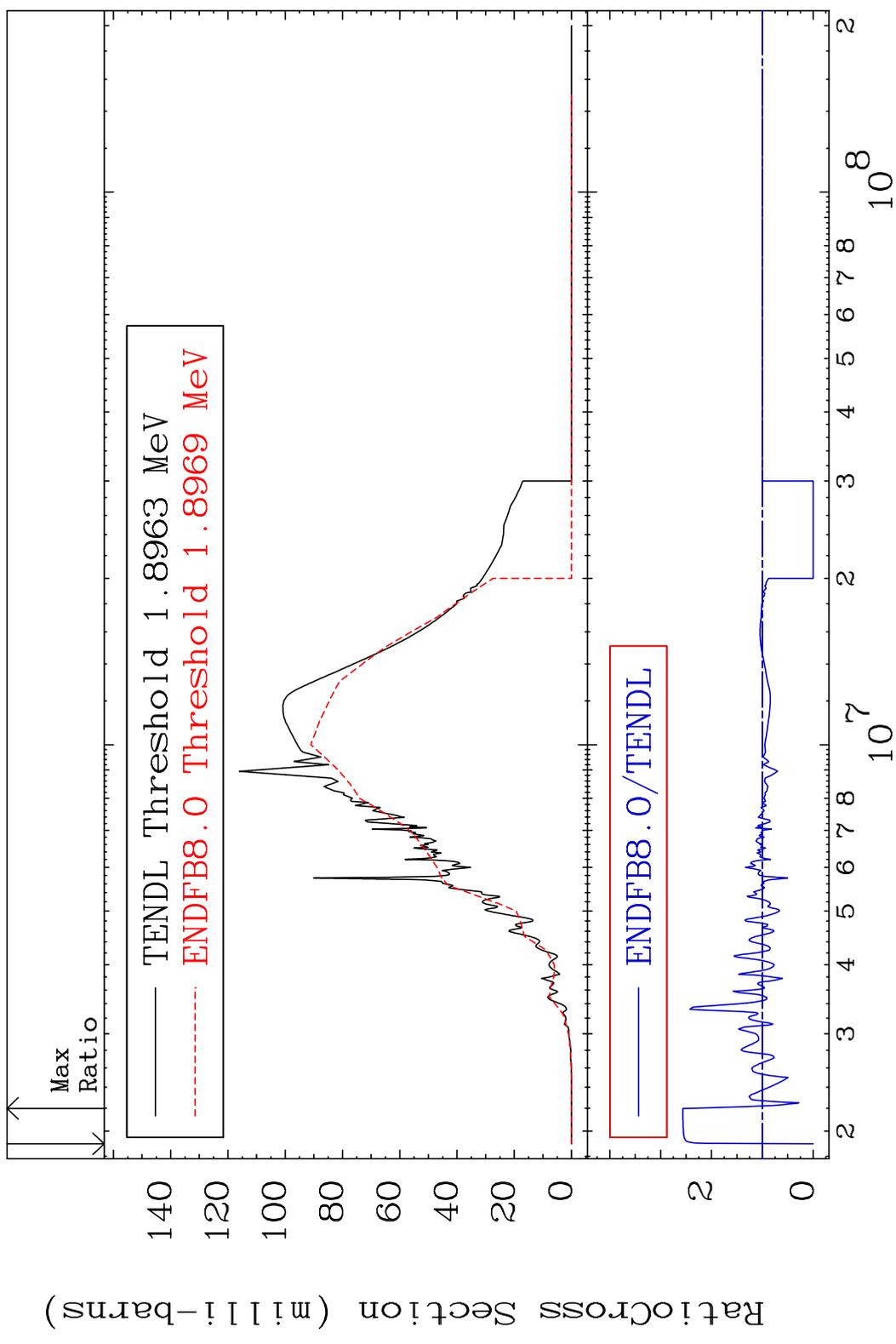
13-Al-27

MAT 1325

(n,p)

13-Al-27

Cross Section -100.0 To 156.4 %

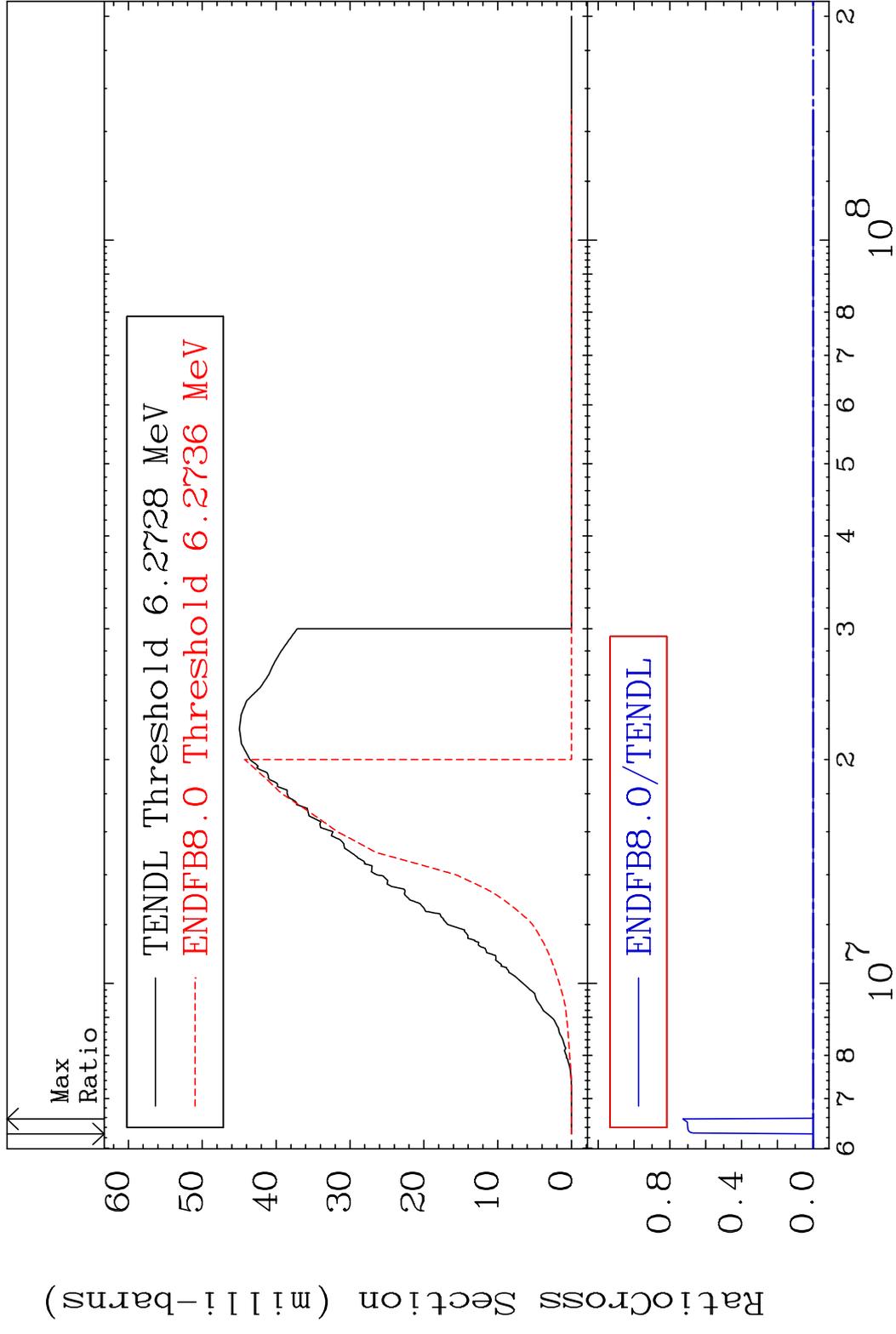


30

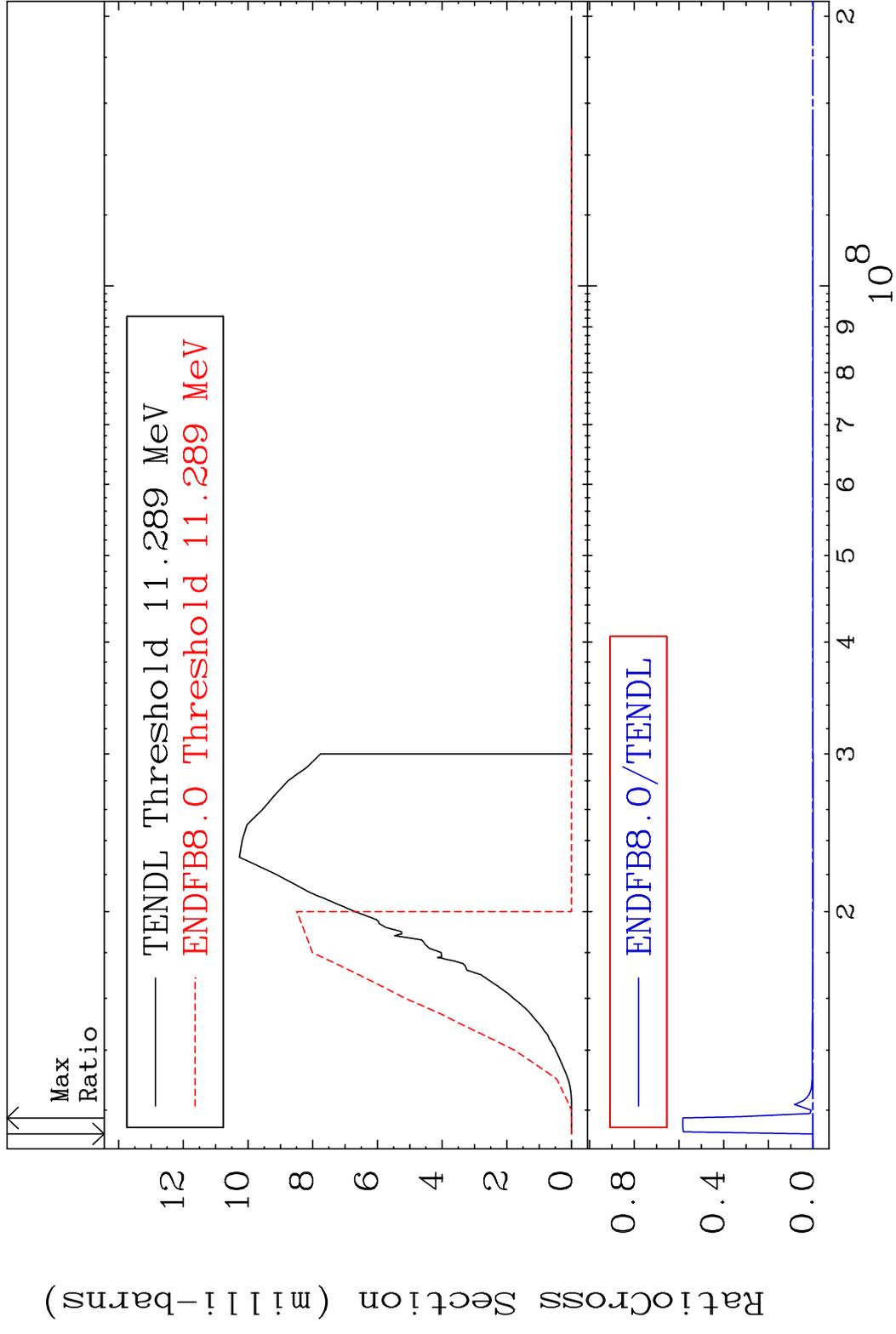
Incident Energy (eV)

13-Al-27

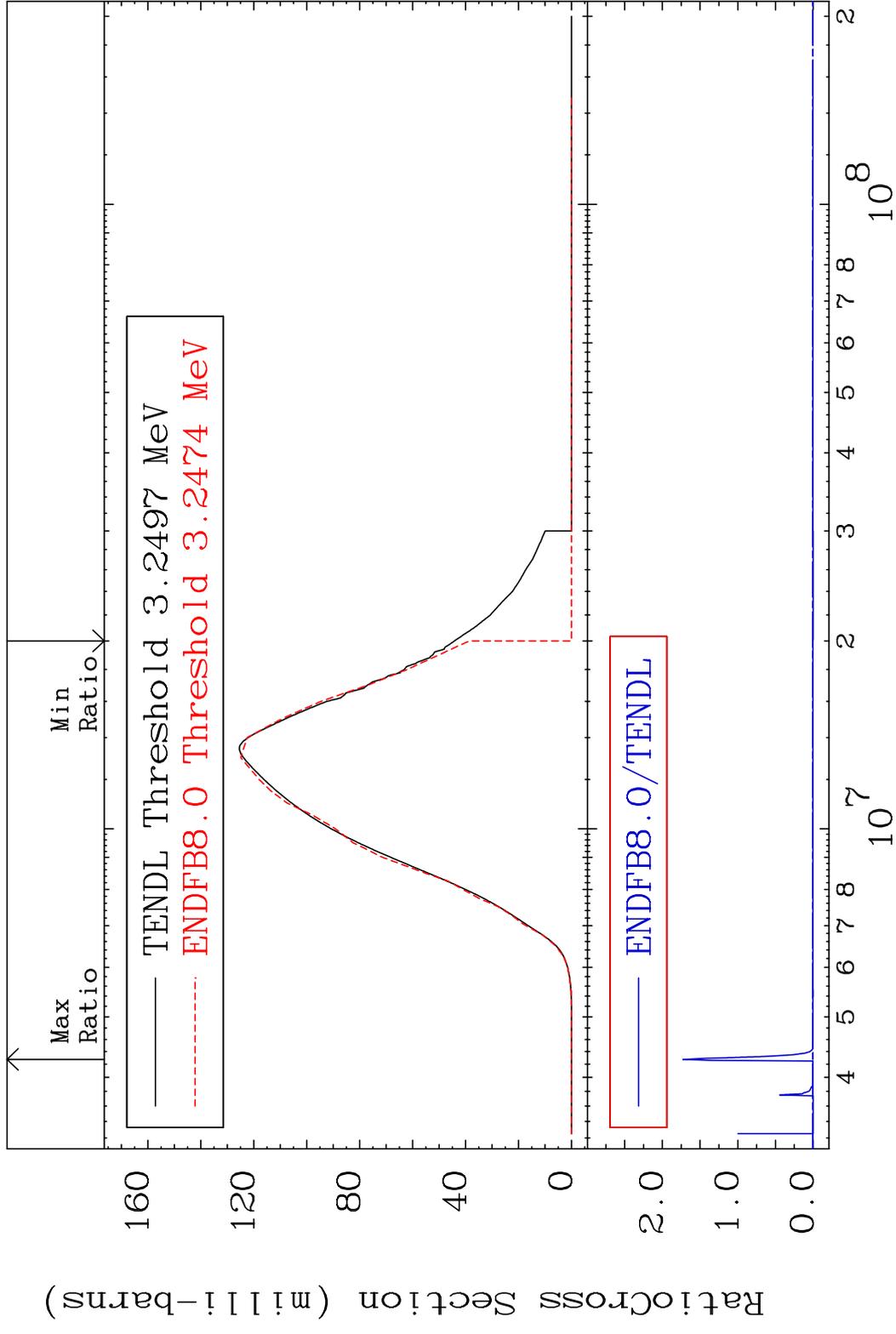
MAT 1325 (n,d) 13-Al-27  
 Cross Section -100.0 To 9999. %



MAT 1325 (n, t) 13-Al-27  
 Cross Section -100.0 To 9999. %



MAT 1325  $(n, \alpha)$  13-Al-27  
 Cross Section -100.0 To 9999. %

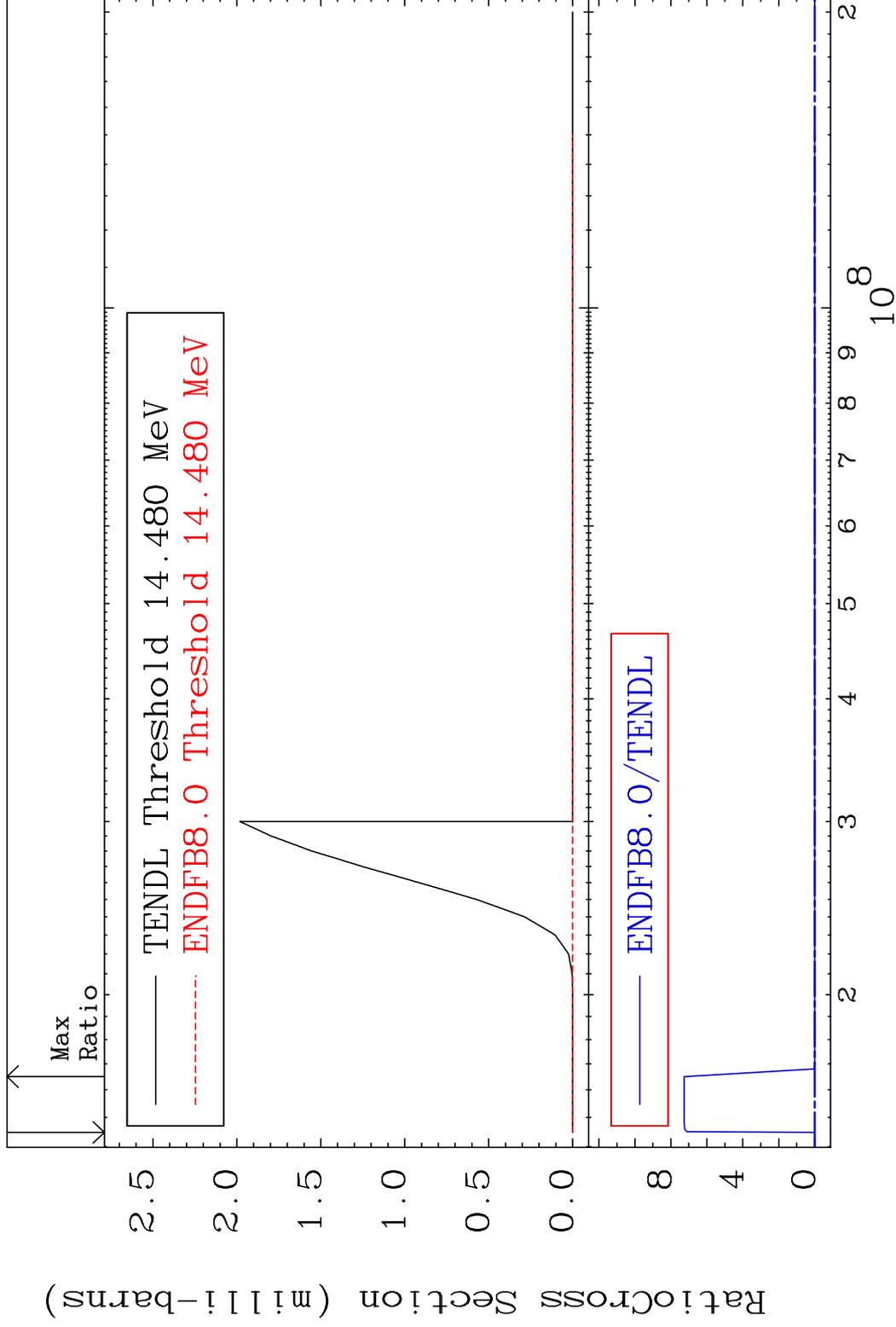


MAT 1325

(n,2α)

13-A1-27

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

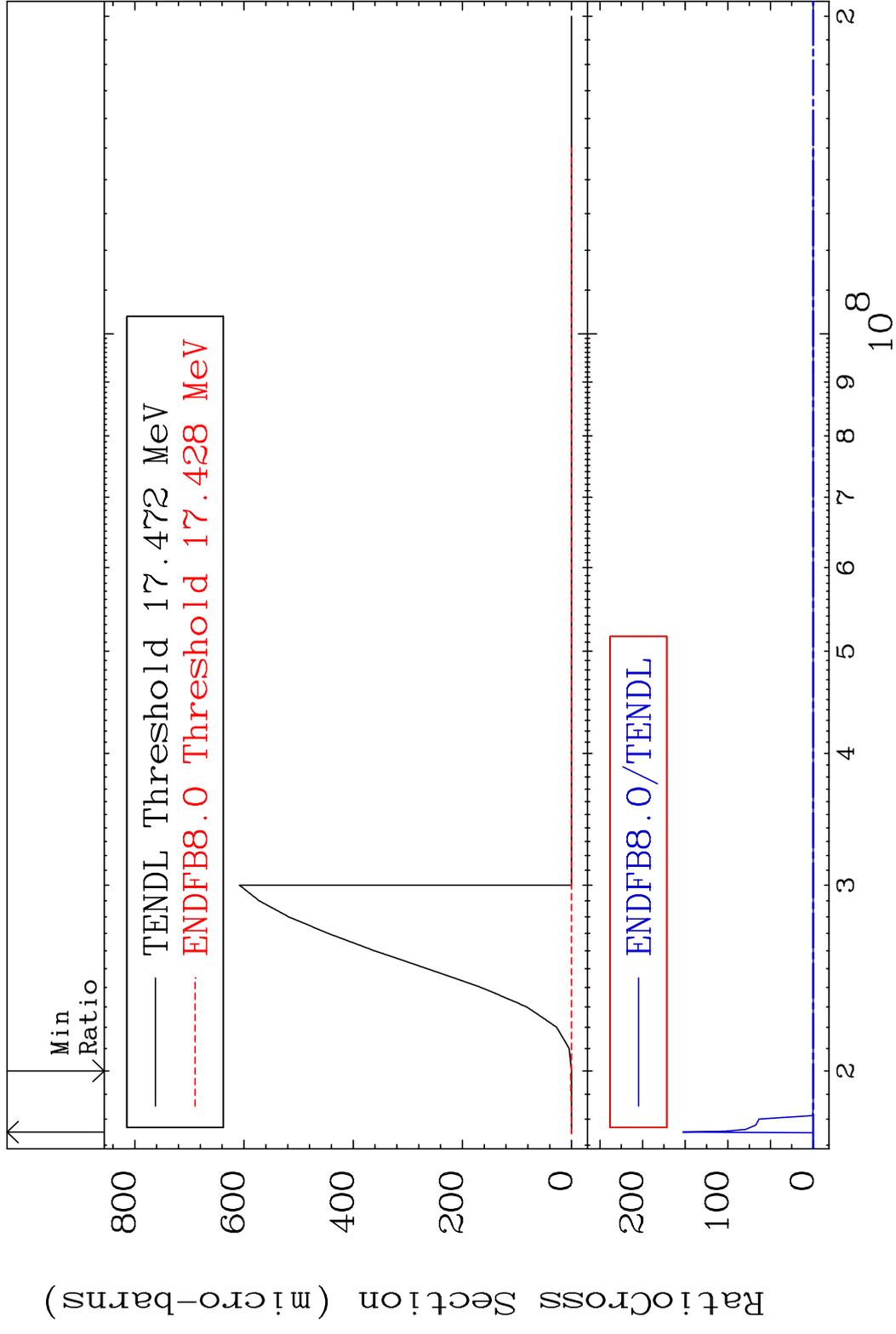
13-A1-27

MAT 1325

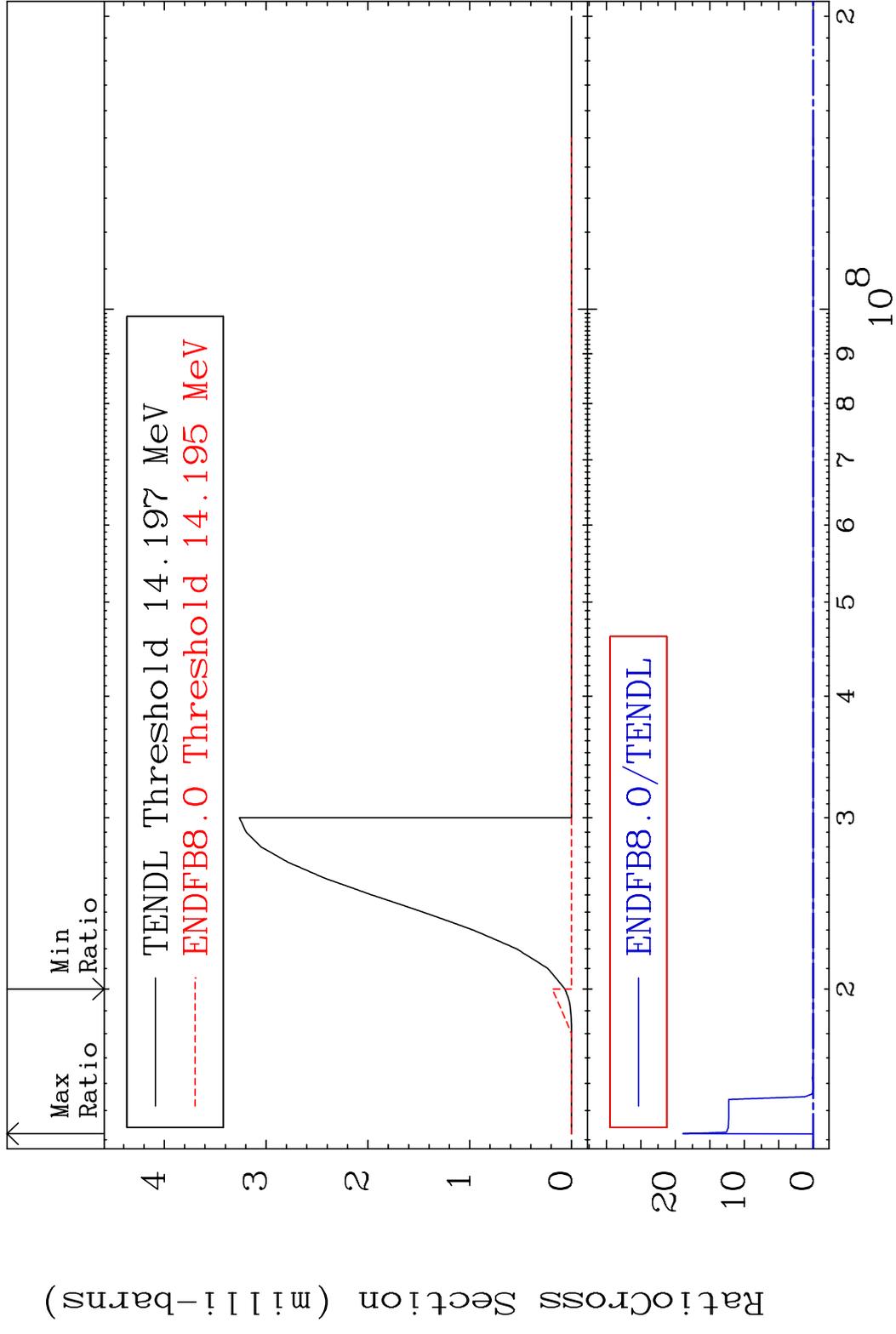
(n,2p)

13-Al-27

Cross Section -100.0 To 9999. %



MAT 1325 (n,p)  $\alpha$  13-Al-27  
 Cross Section -100.0 To 9999. %

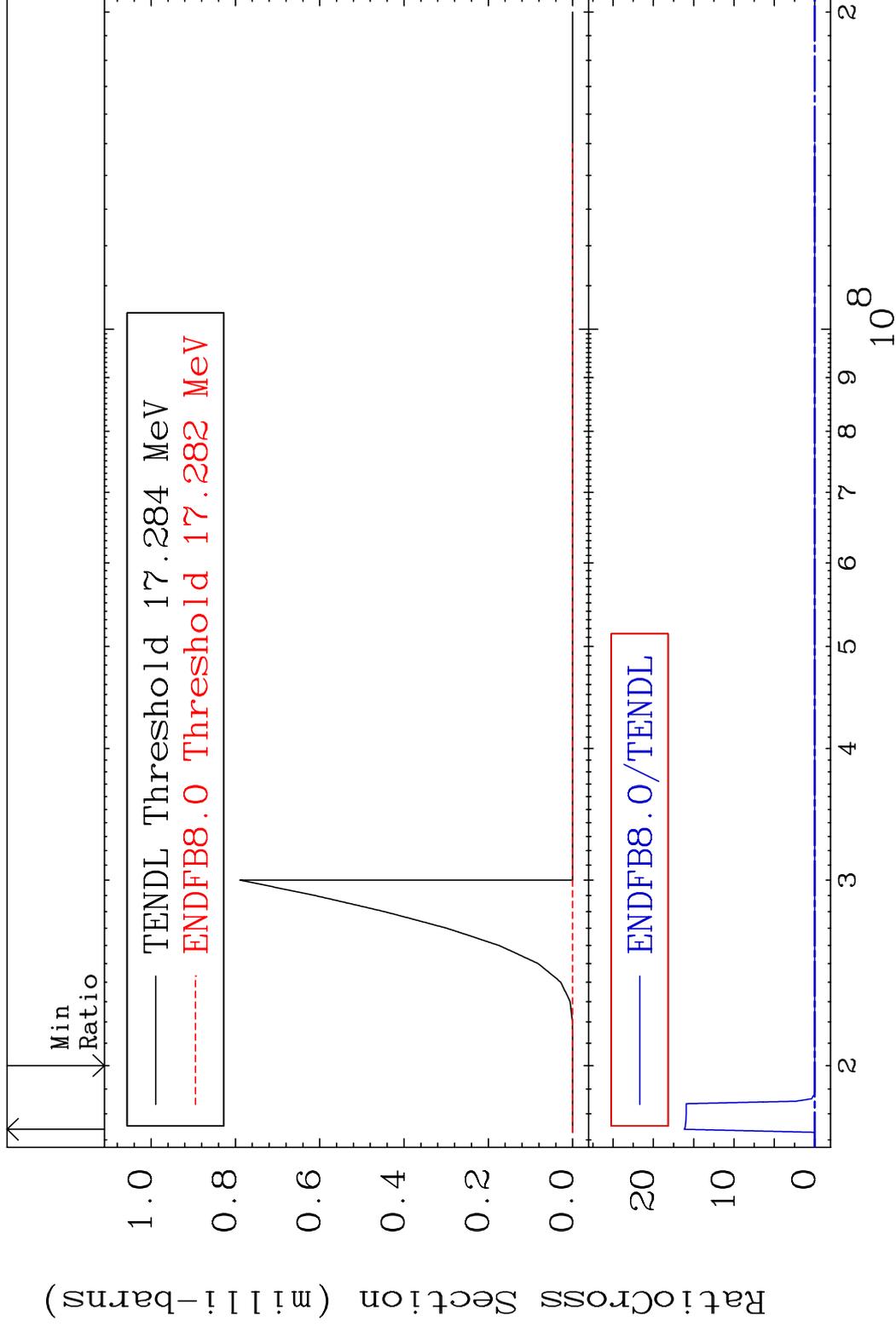


MAT 1325

(n,d)  $\alpha$

13-A1-27

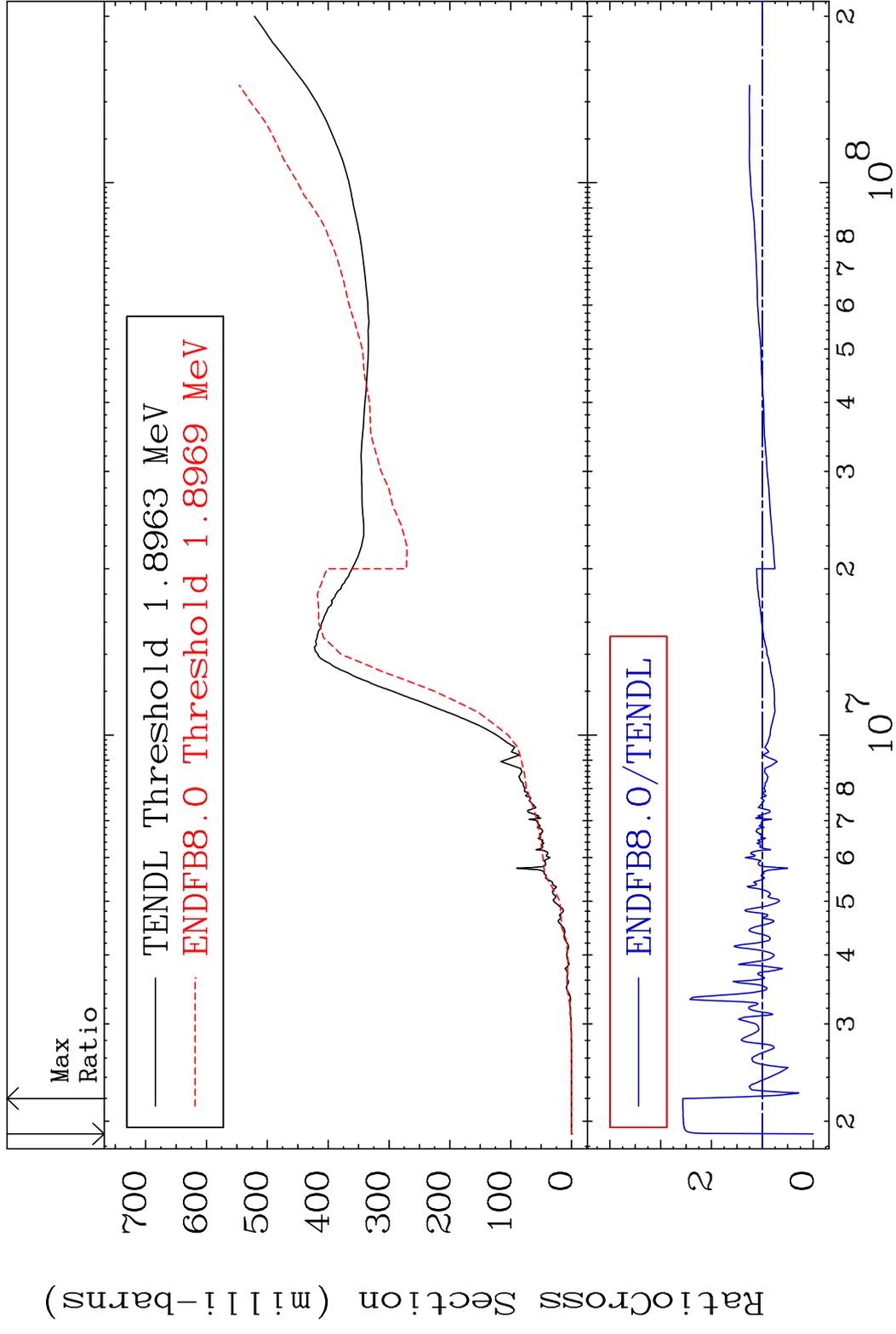
Cross Section -100.0 To 9999. %



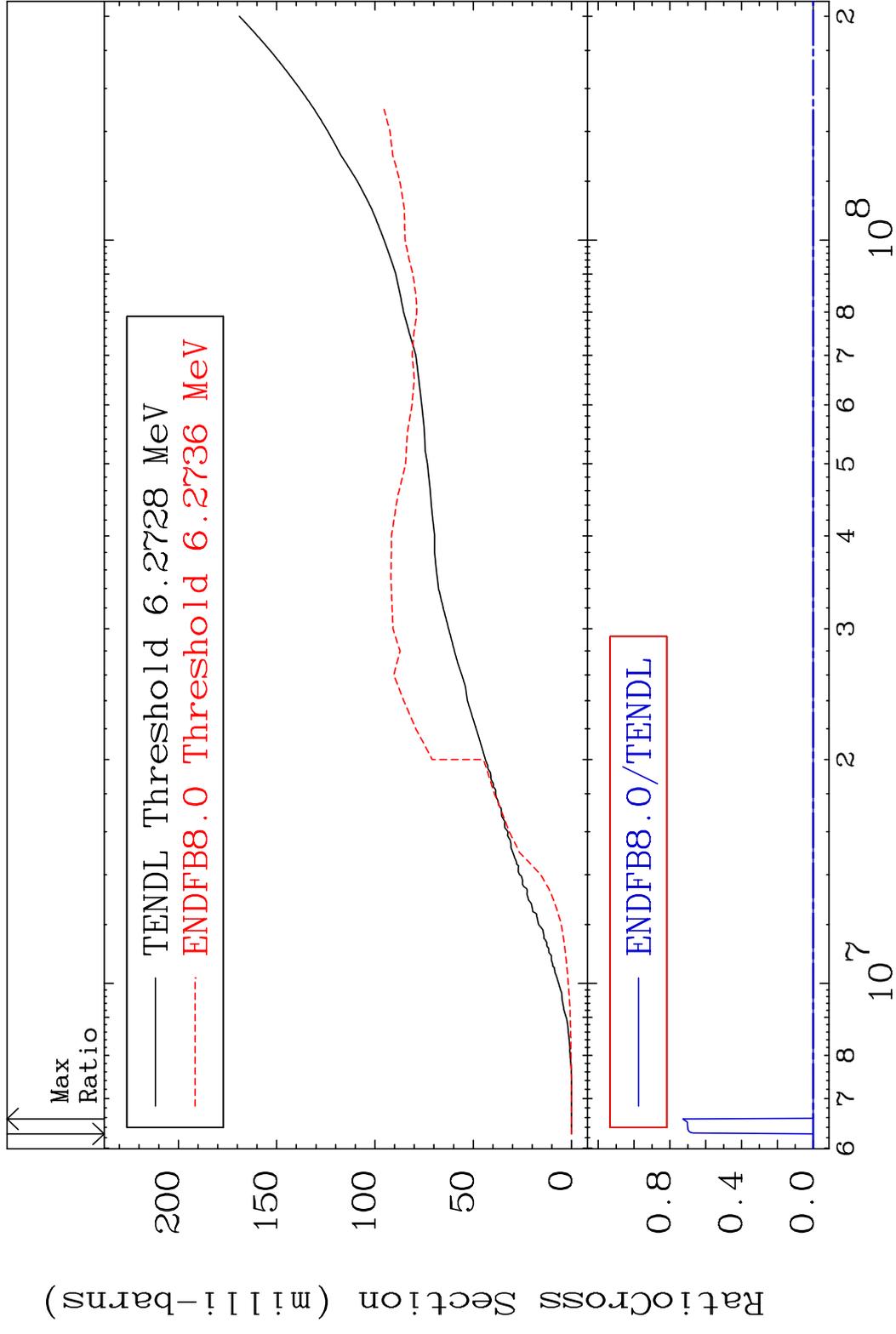
37

Incident Energy (eV)

13-A1-27



MAT 1325 Deuterium Production 13-Al-27  
 Cross Section -100.0 To 9999. %

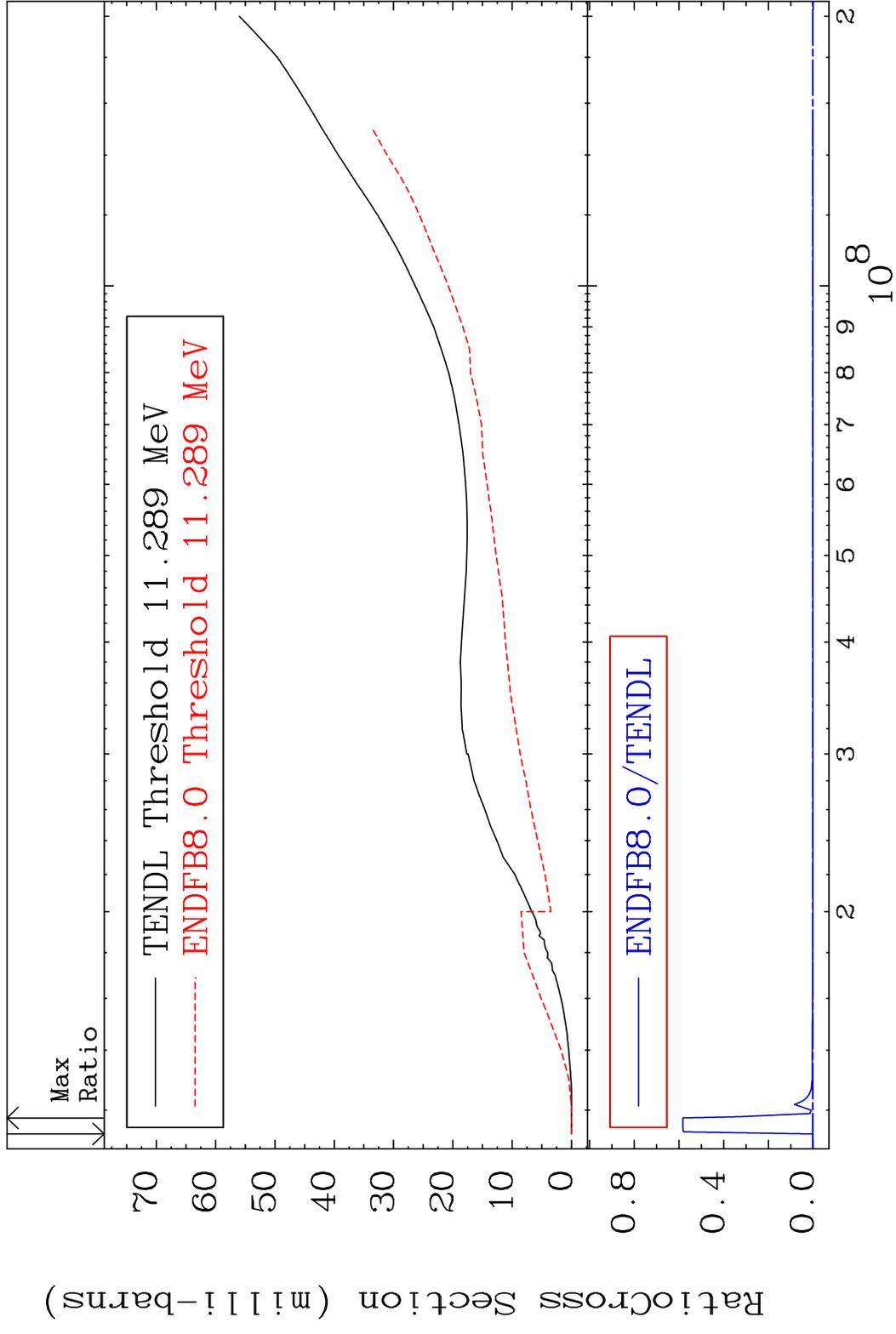


MAT 1325

Tritium Production

13-Al-27

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

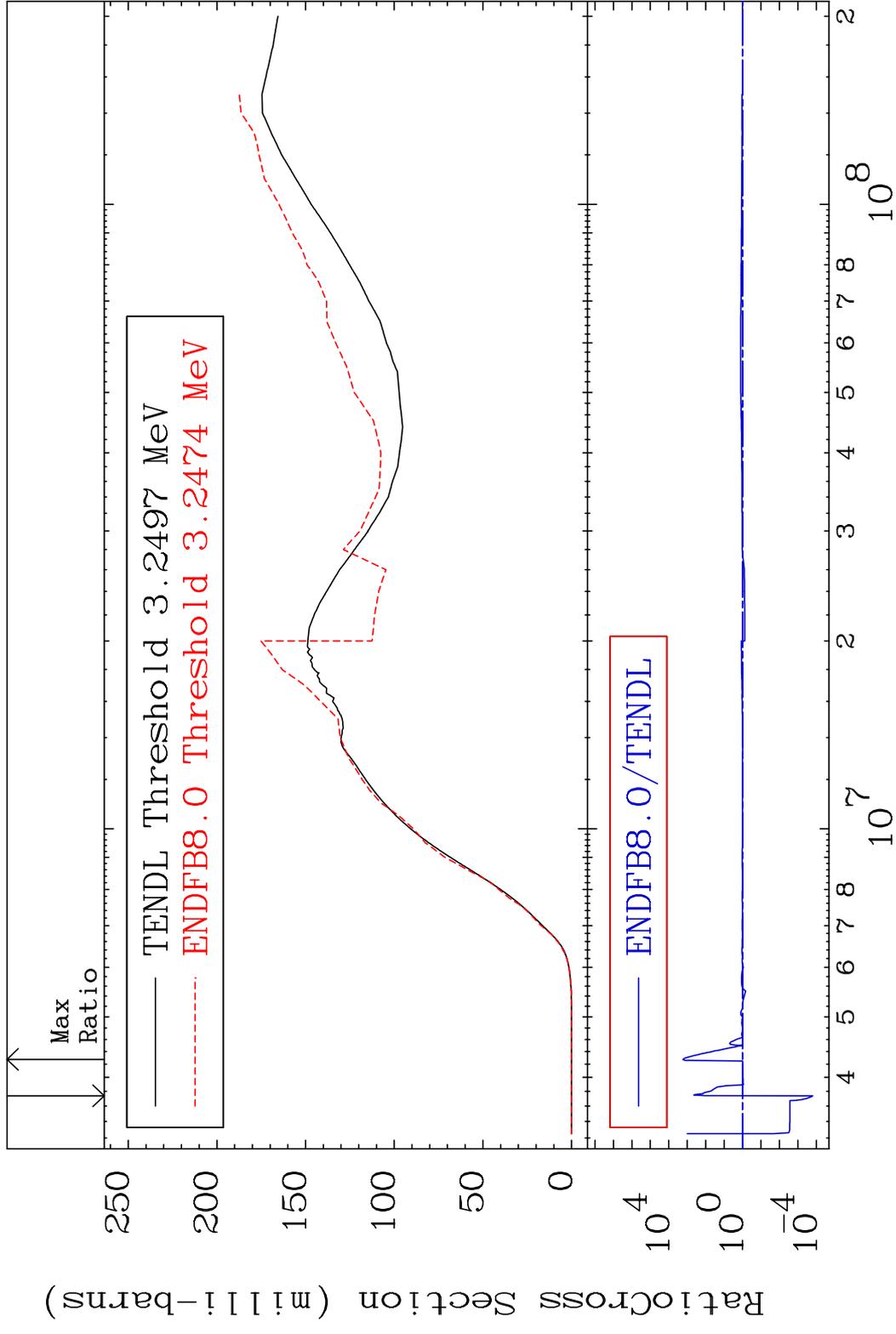
13-Al-27

MAT 1325

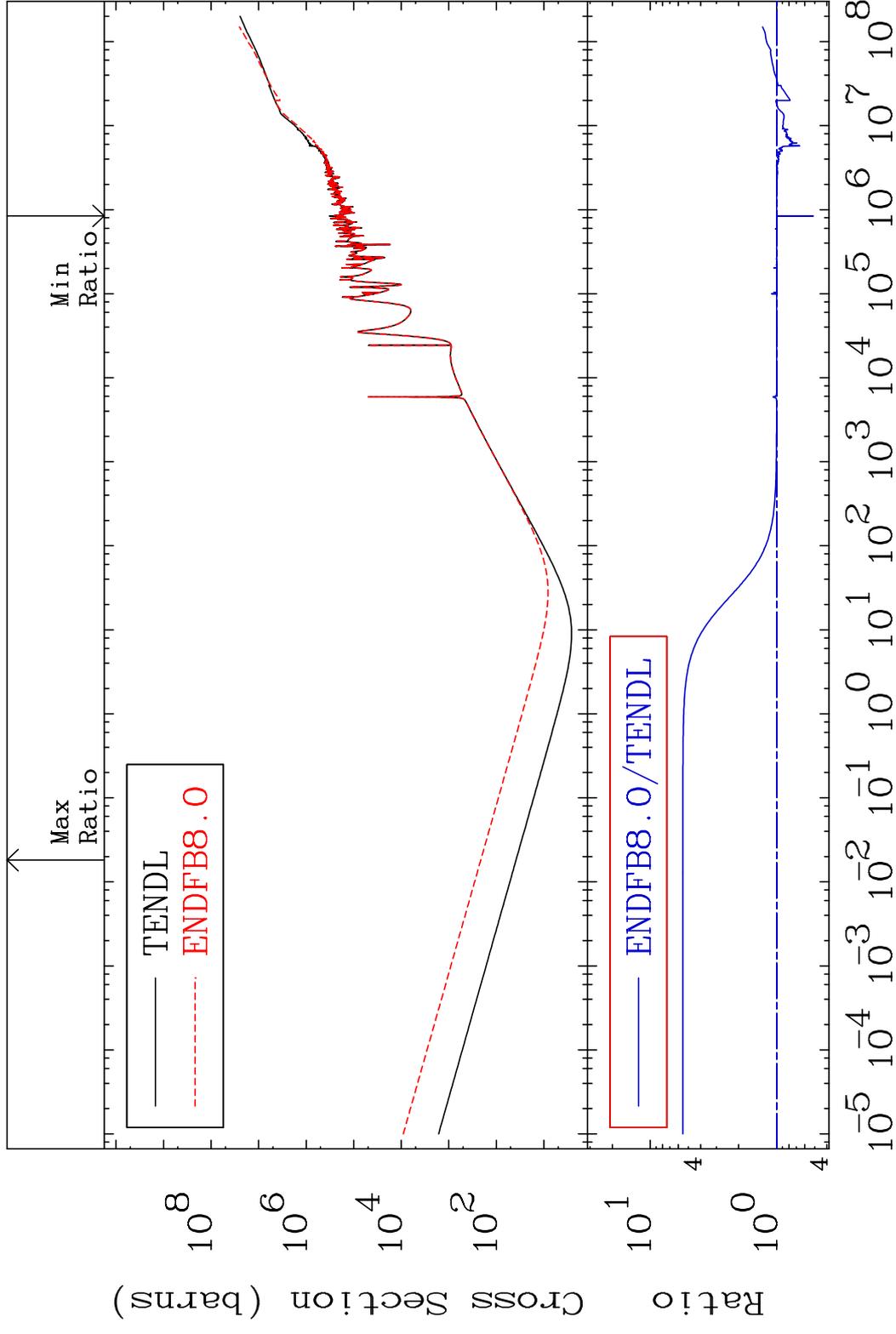
He-4 Production

13-A1-27

Cross Section -99.99 To 9999. %



MAT 1325 Kerma total (eV-barns) 13-Al-27  
 Cross Section -48.55 To 453.1 %

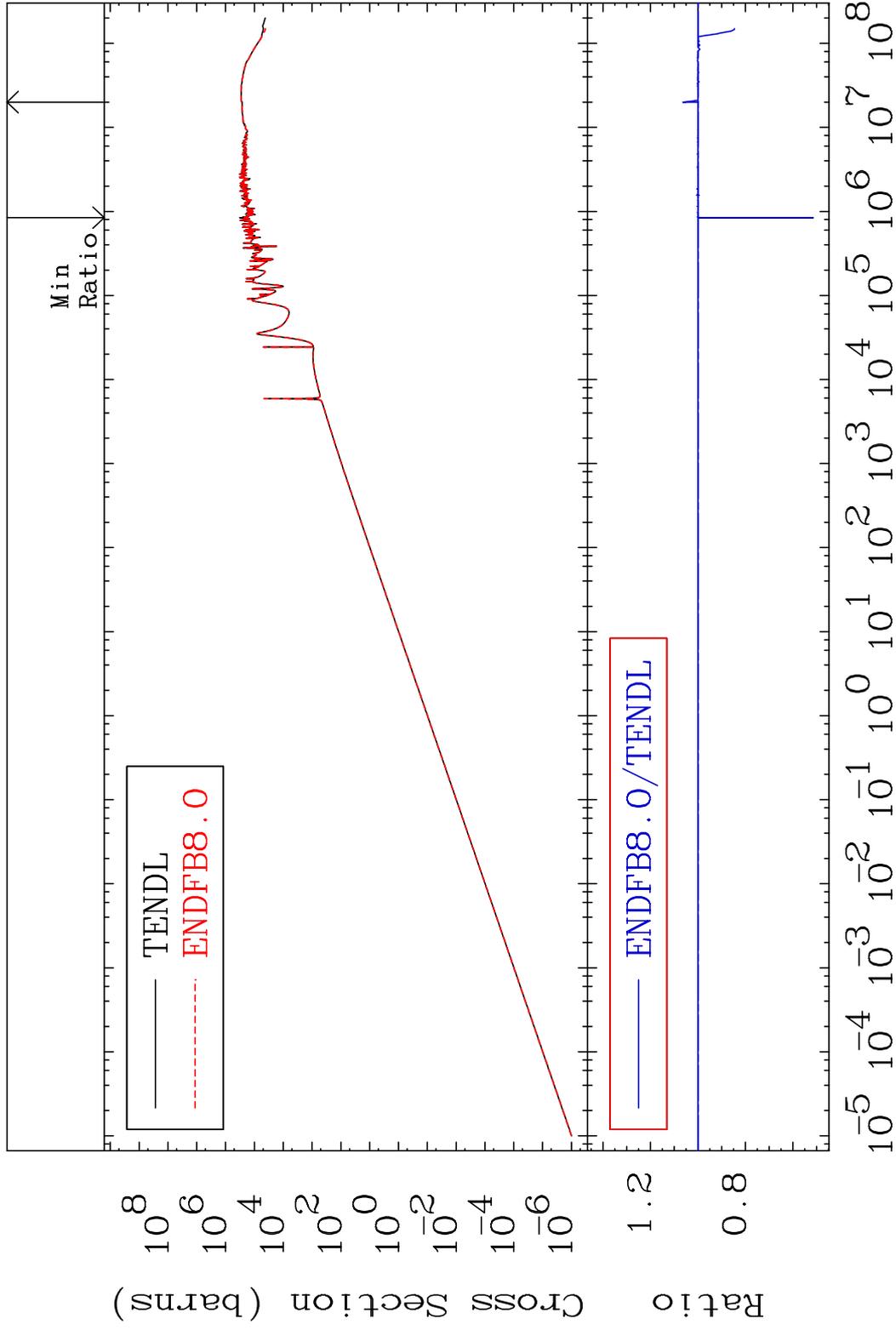


MAT 1325

Kerma elastic

13-A1-27

Cross Section -48.55 To 6.381 %

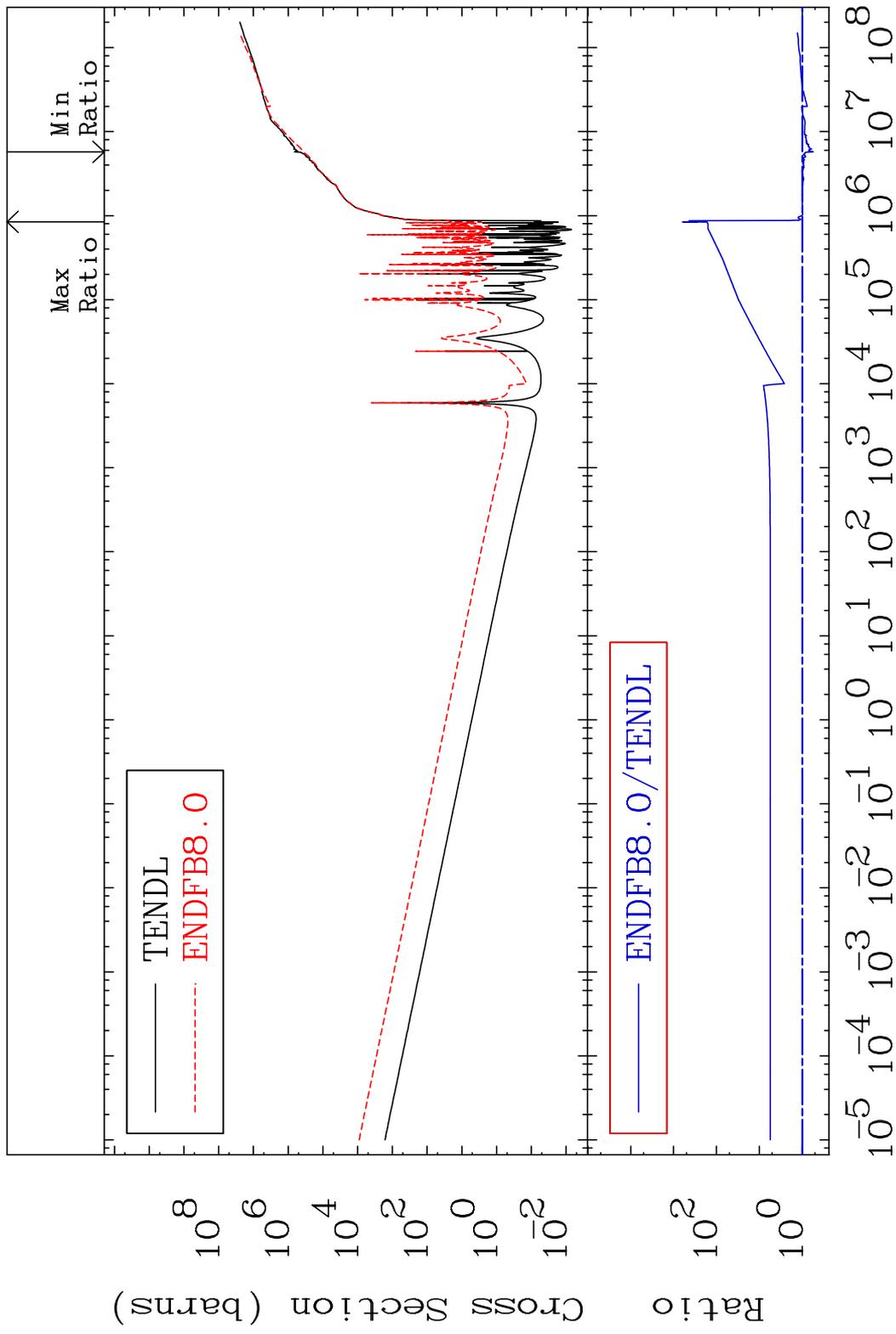


43

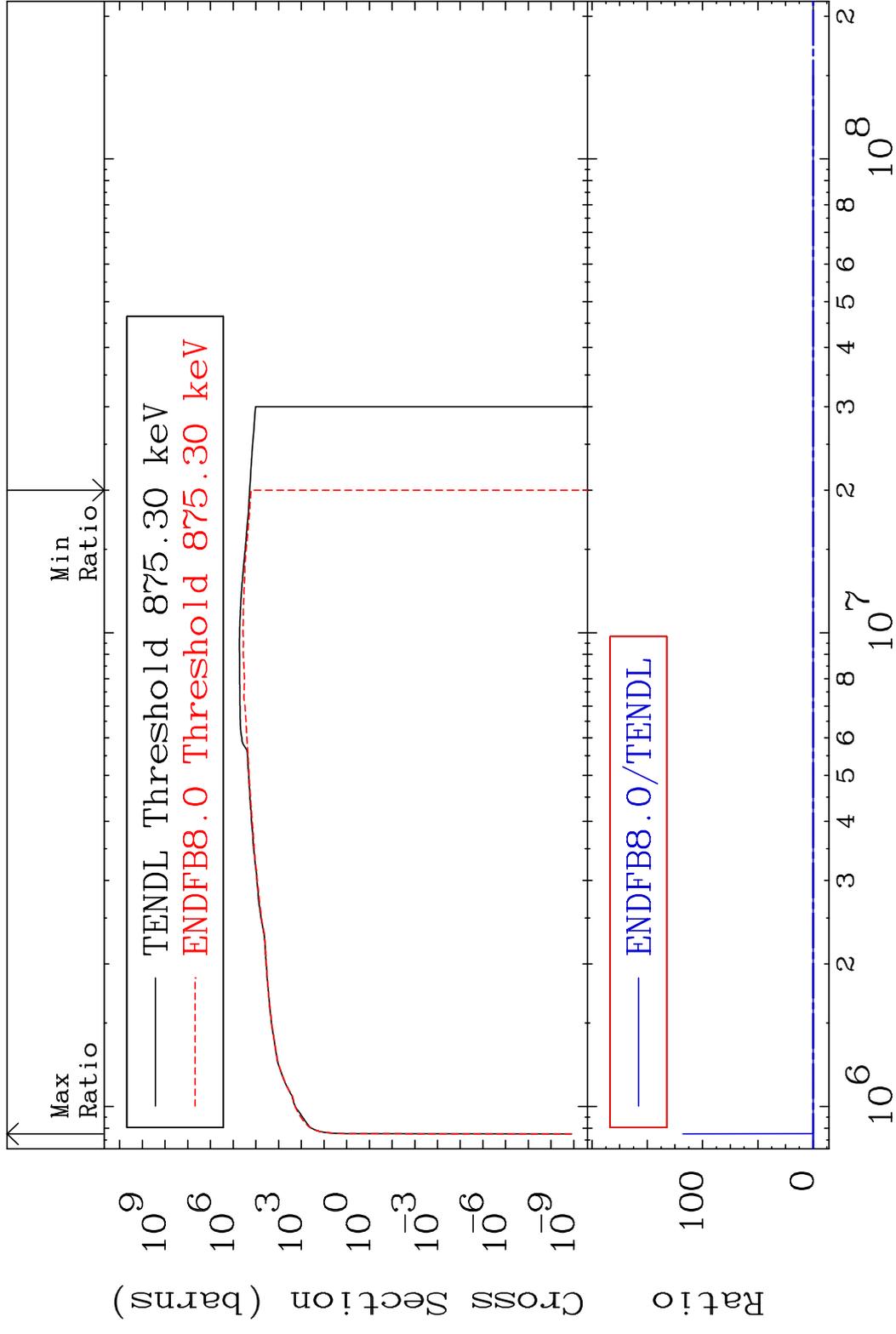
Incident Energy (eV)

13-A1-27

MAT 1325 Kerma non-elastic (all but mt2) 13-Al-27  
 Cross Section -44.50 To 9999. %

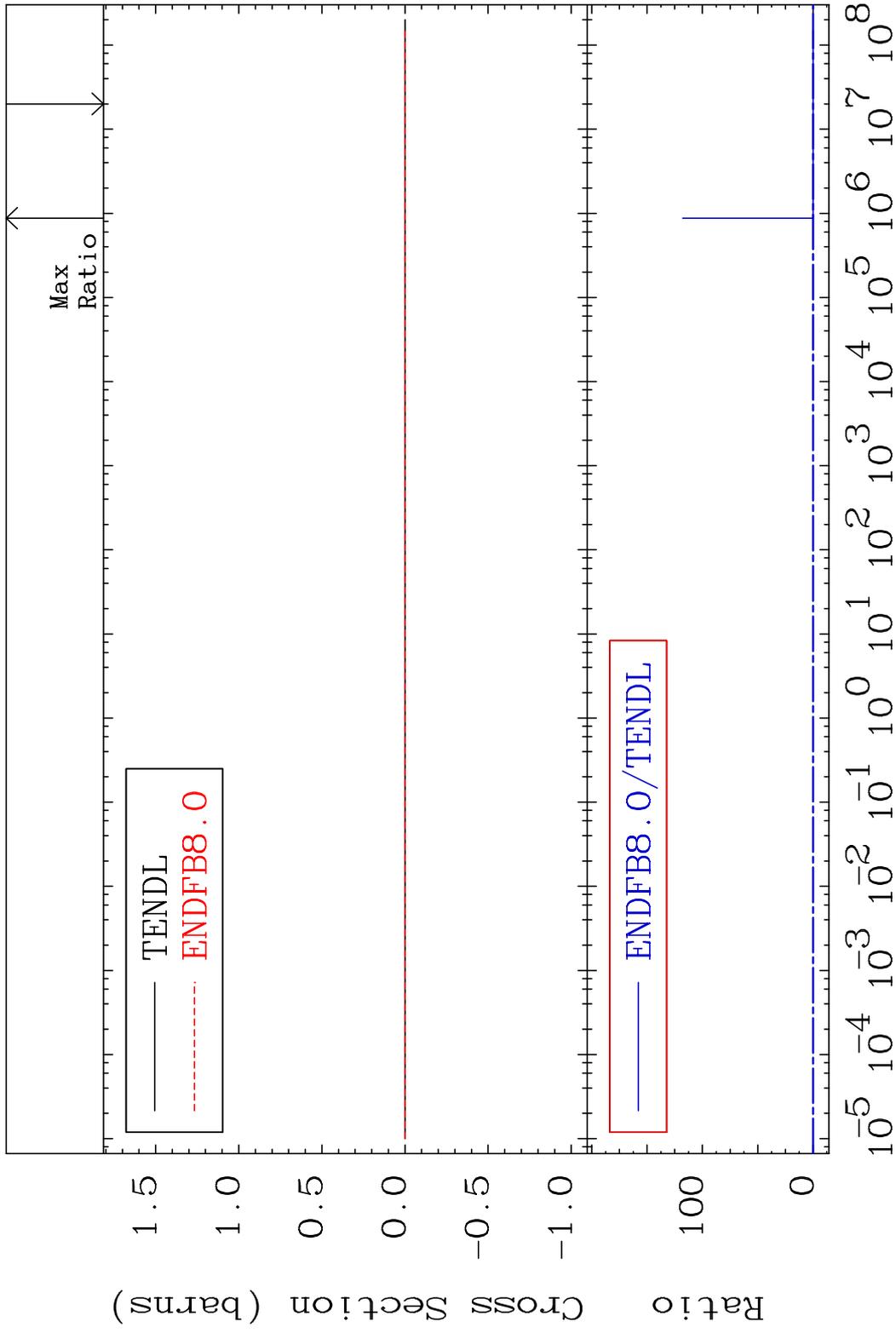


MAT 1325 Kerma inelastic (mt51-91) 13-Al-27  
 Cross Section -100.0 To 9999. %



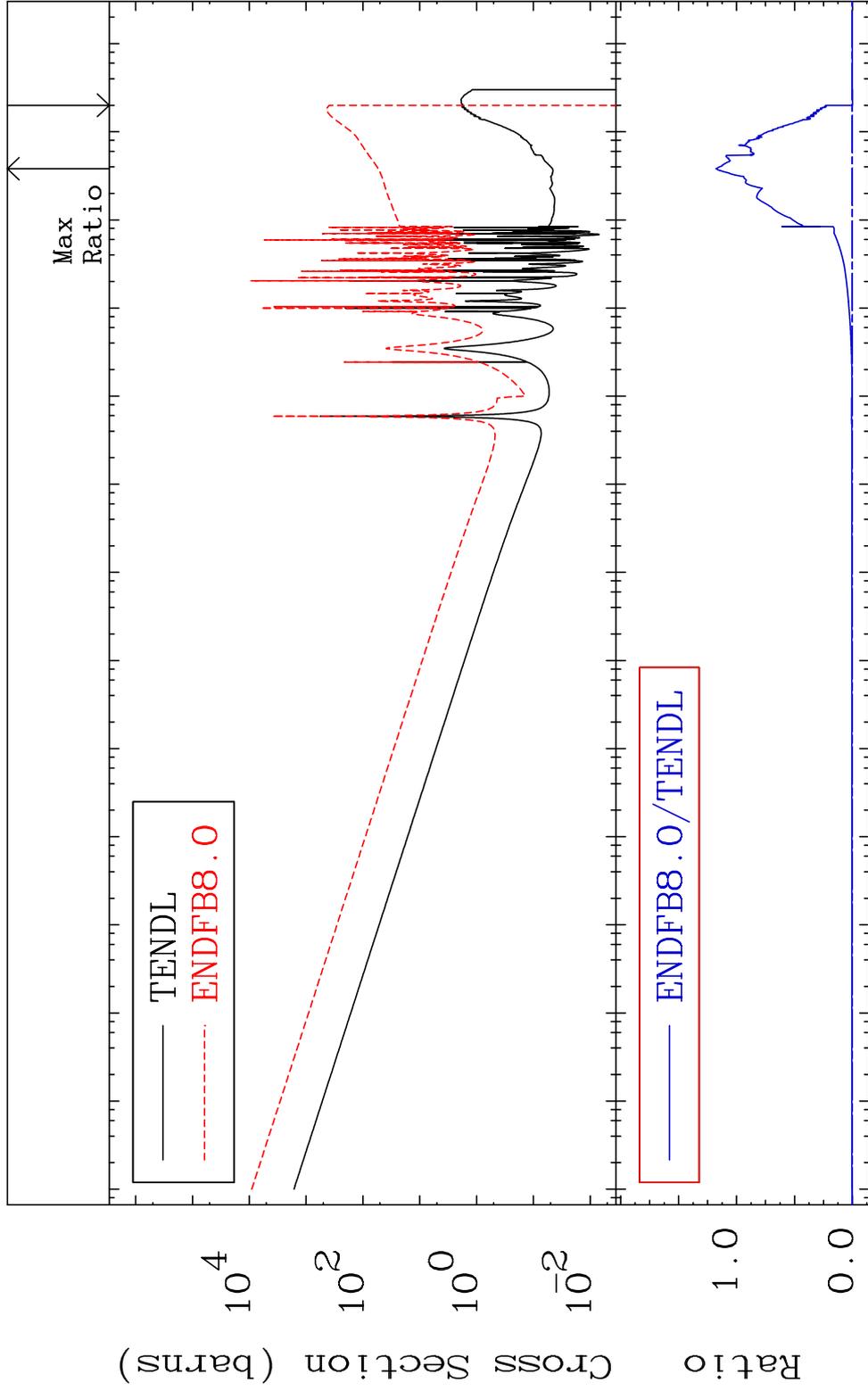
45 Incident Energy (eV) 13-Al-27

MAT 1325 Kerma fission (mt18 or mt19-20-21-38) 13-A1-27  
 Cross Section -100.0 To 9999. %



MAT 1325

Kerma capture (mt102) 13-Al-27  
Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

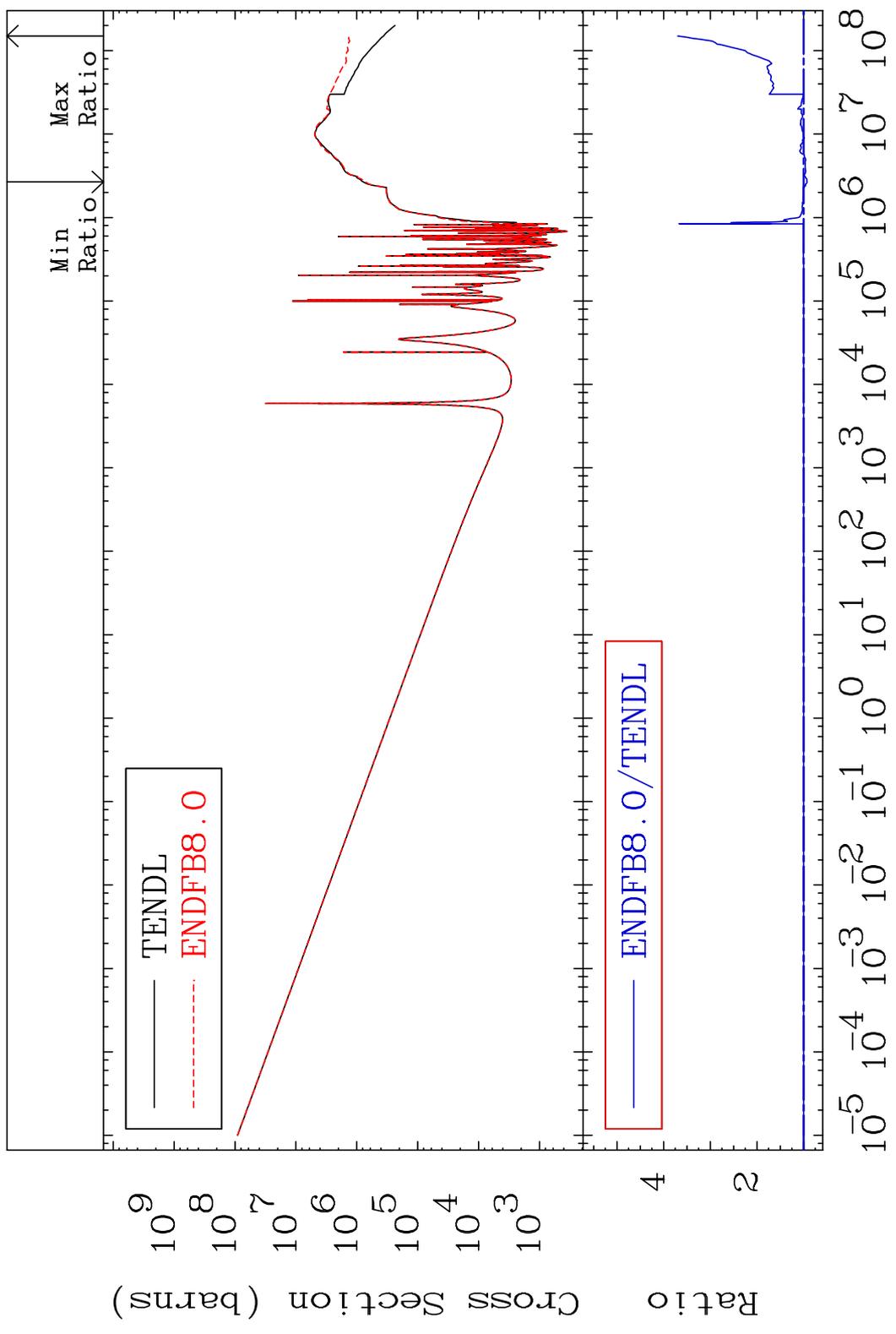
13-Al-27

MAT 1325

Total photon (eV-barns)

13-A1-27

Cross Section -7.325 To 269.8 %

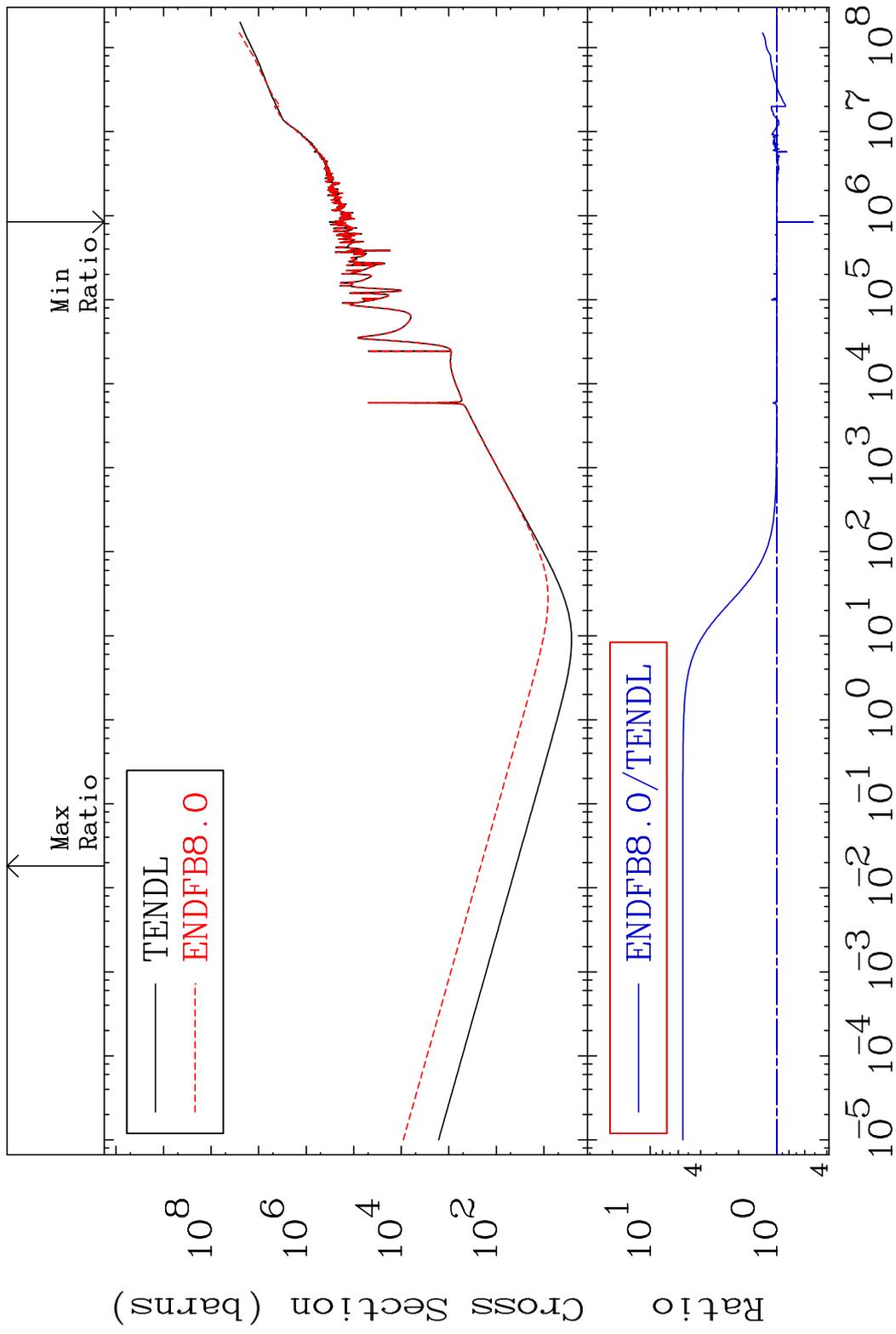


48

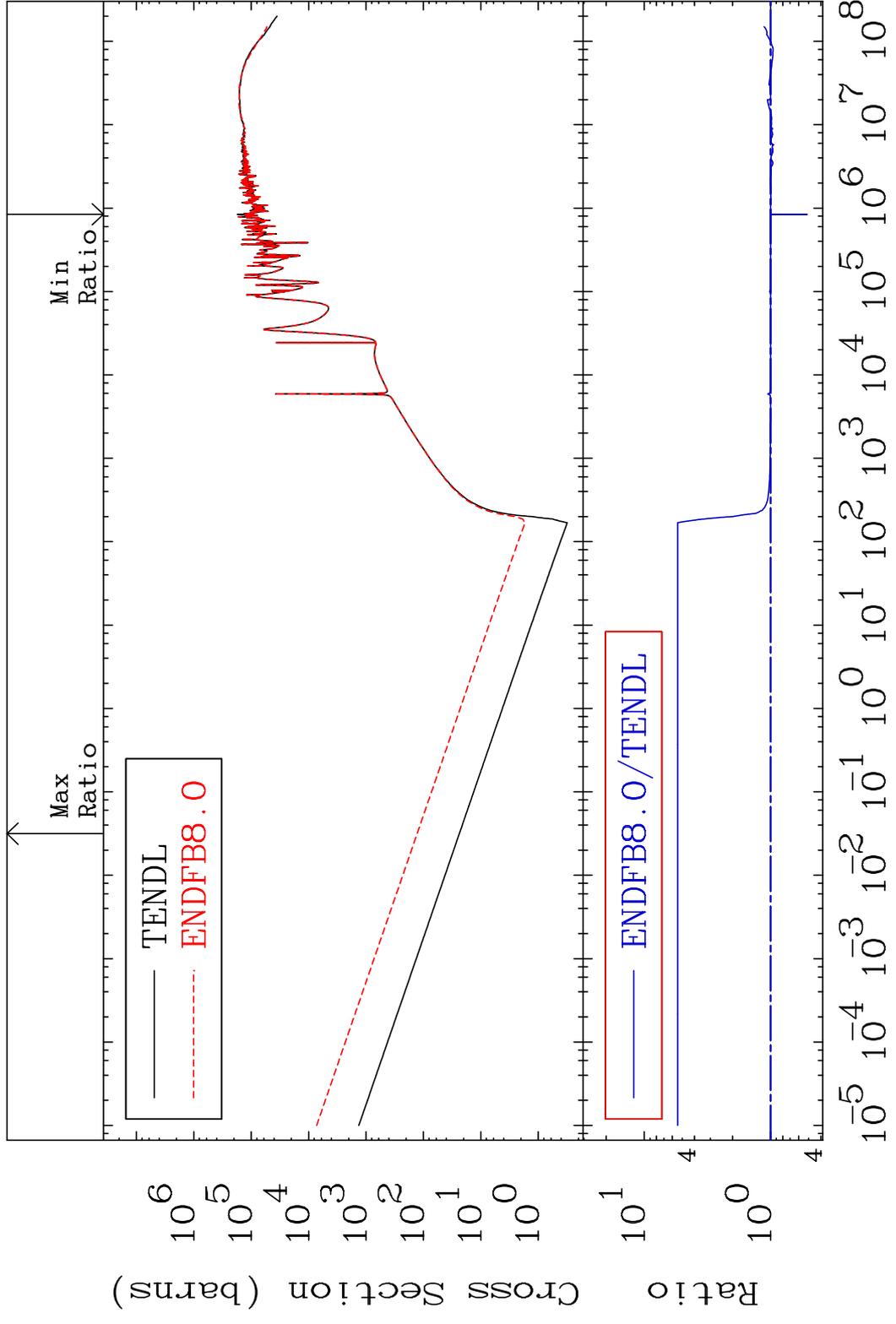
Incident Energy (eV)

13-A1-27

MAT 1325 Total kinematic kerma (high limit) 13-Al-27  
Cross Section -48.55 To 453.1 %



MAT 1325      Dpa total (eV-barns)      13-A1-27  
 Cross Section      -48.55 To 443.7 %

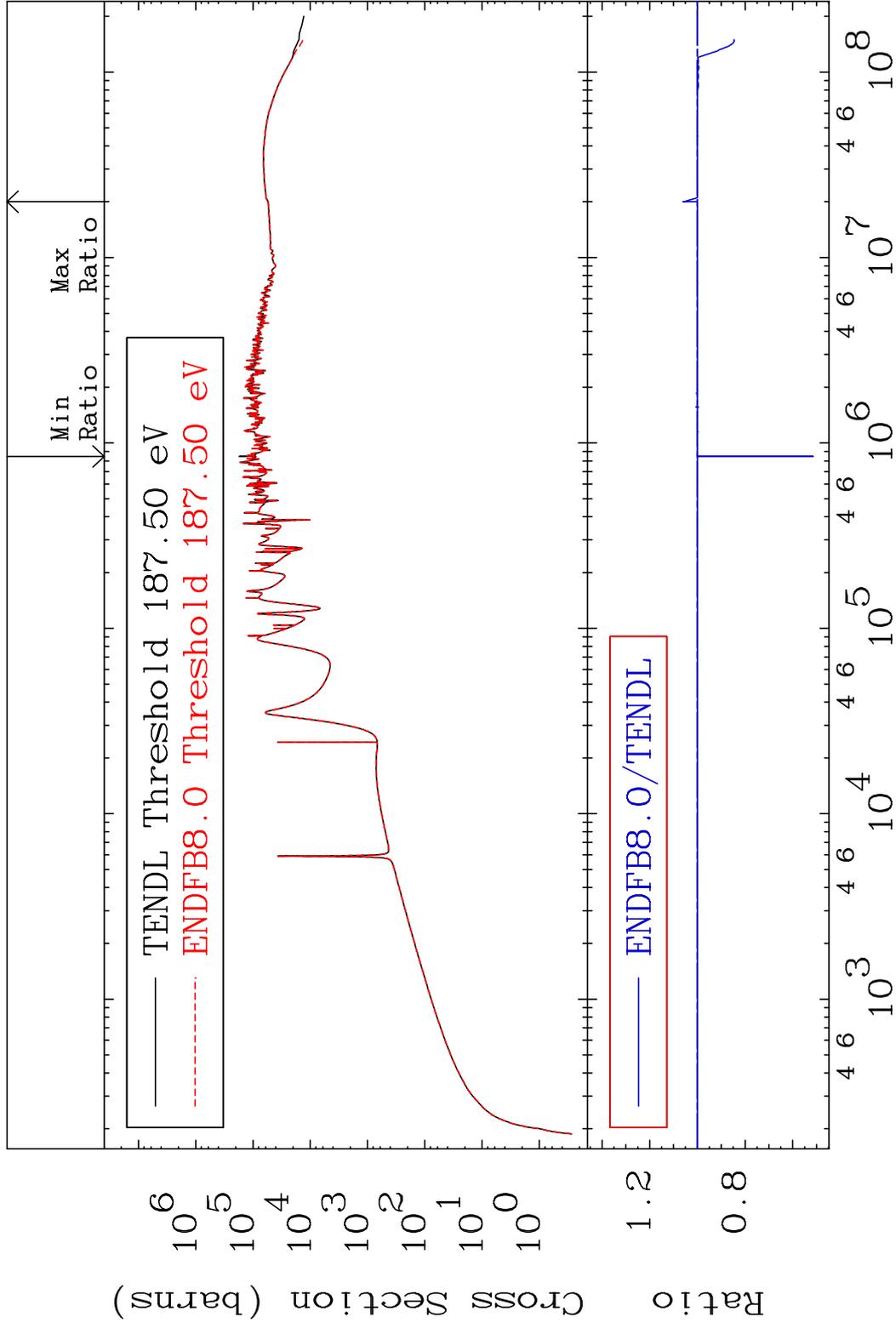


MAT 1325

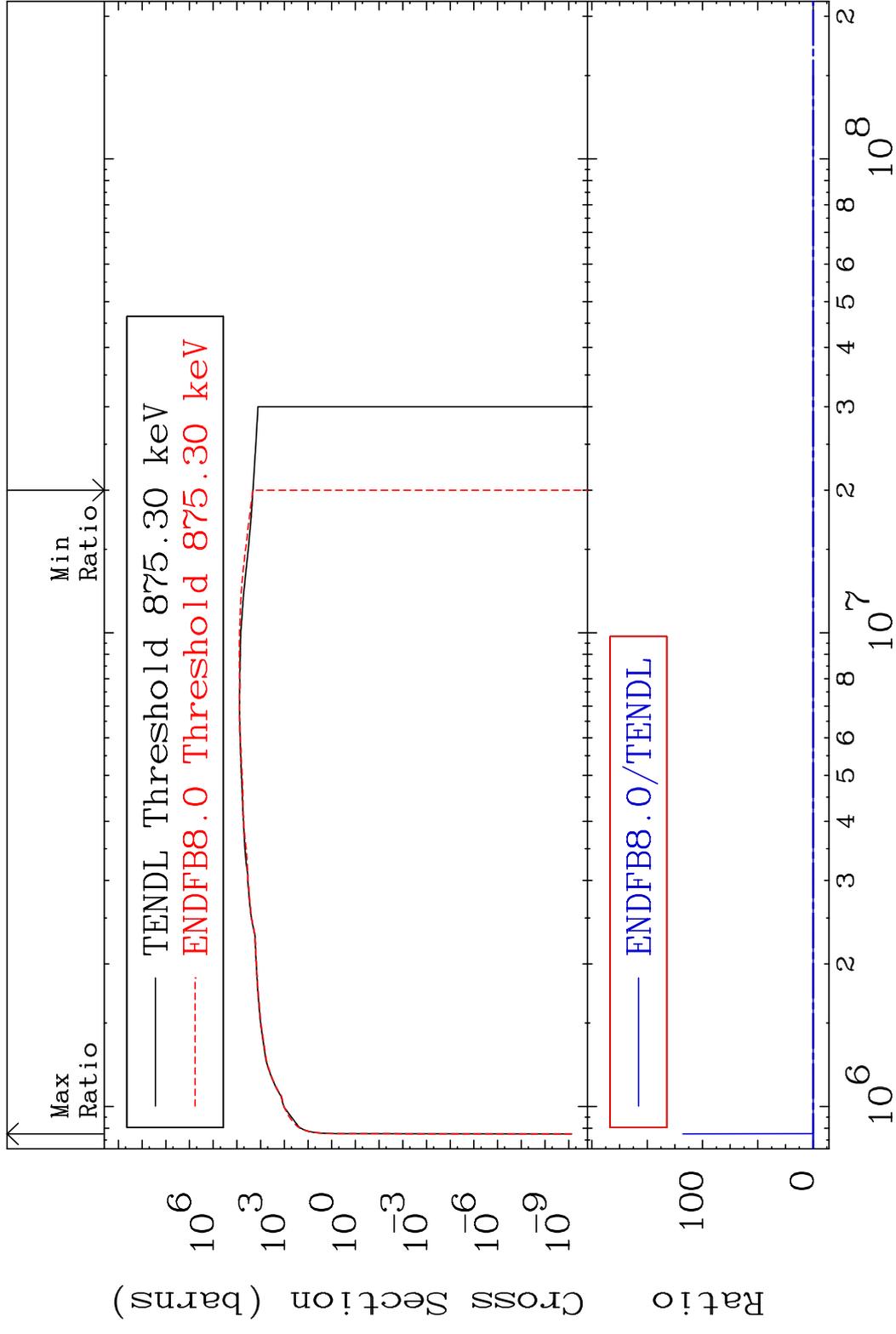
Dpa elastic (mt2)

13-A1-27

Cross Section -48.55 To 6.111 %



MAT 1325 Dpa inelastic (mt51-91) 13-Al-27  
 Cross Section -100.0 To 9999. %



MAT 1325 Dpa disappearance (mt102 -120) 13-Al-27  
 Cross Section -100.0 To 1681. %

