

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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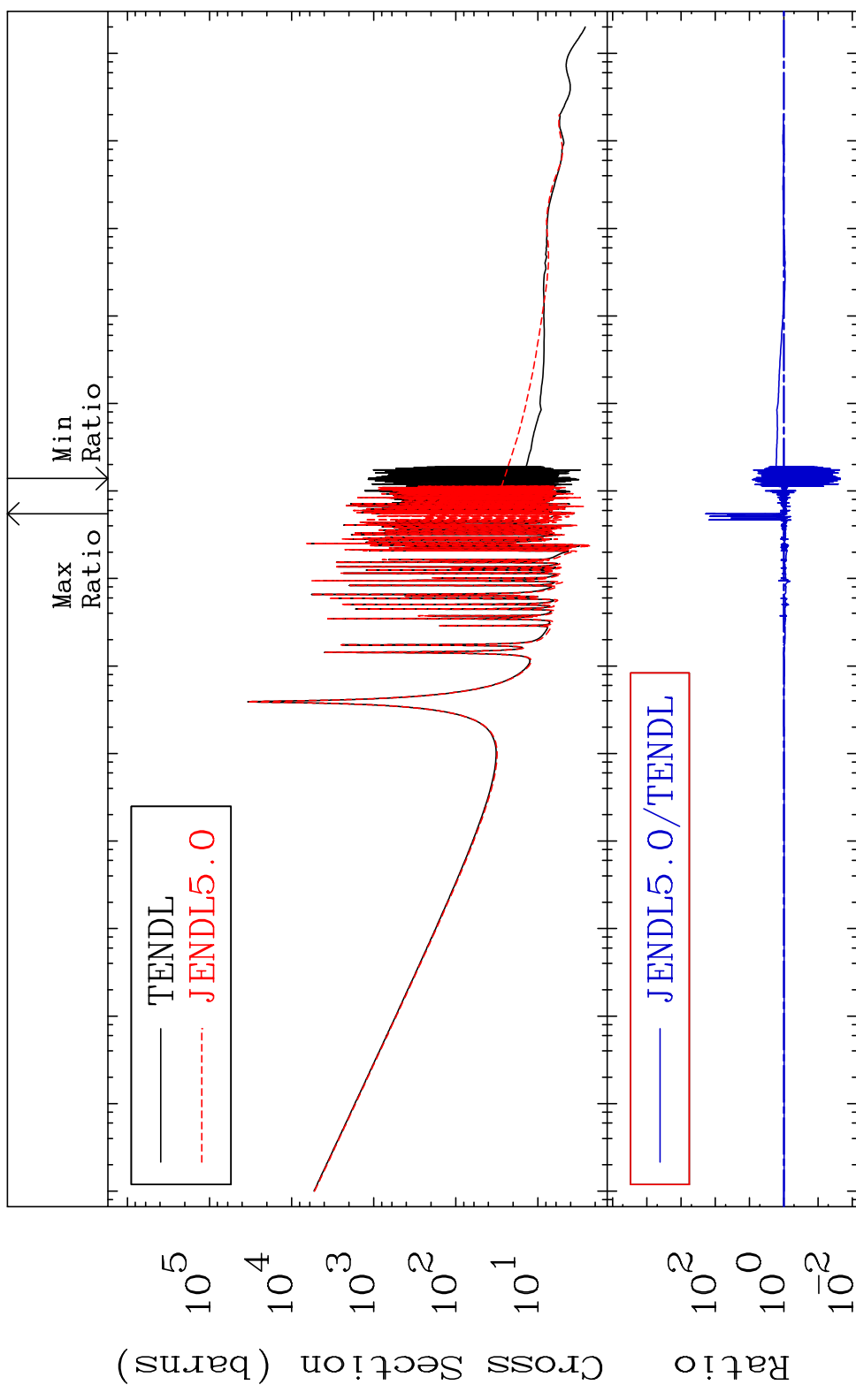
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6925

Total Cross Section -97.79 To 9999. %  
69-Tm-169



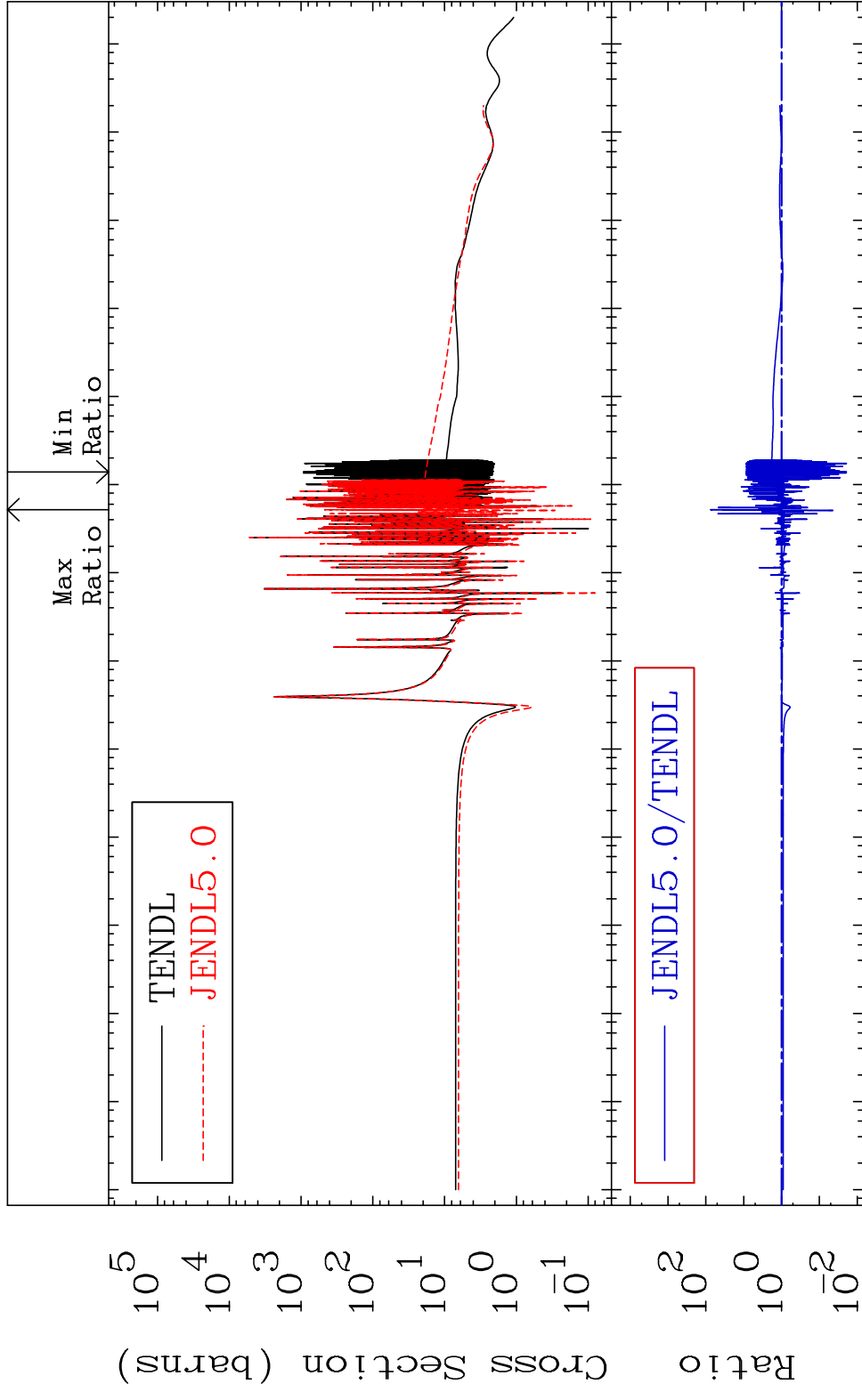
1 Incident Energy (eV) 69-Tm-169

MAT 6925

Elastic

69-Tm-169

Cross Section -98.06 To 7330. %



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> Incident Energy (eV)

2

Incident Energy (eV)

69-Tm-169

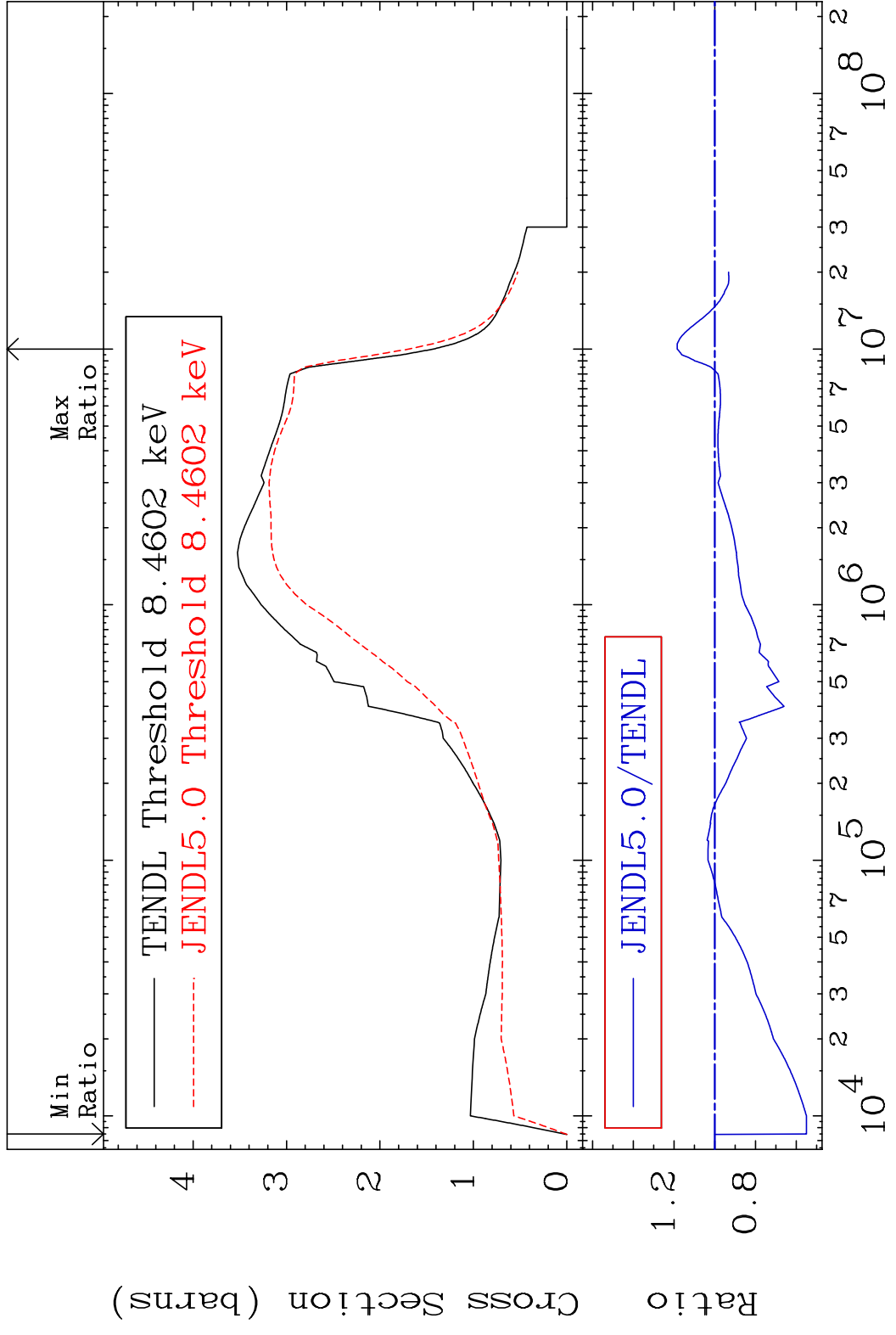
MAT 6925

Inelastic

69-Tm-169

Cross Section

-45.02 To 18.43 %



3

Incident Energy (eV)

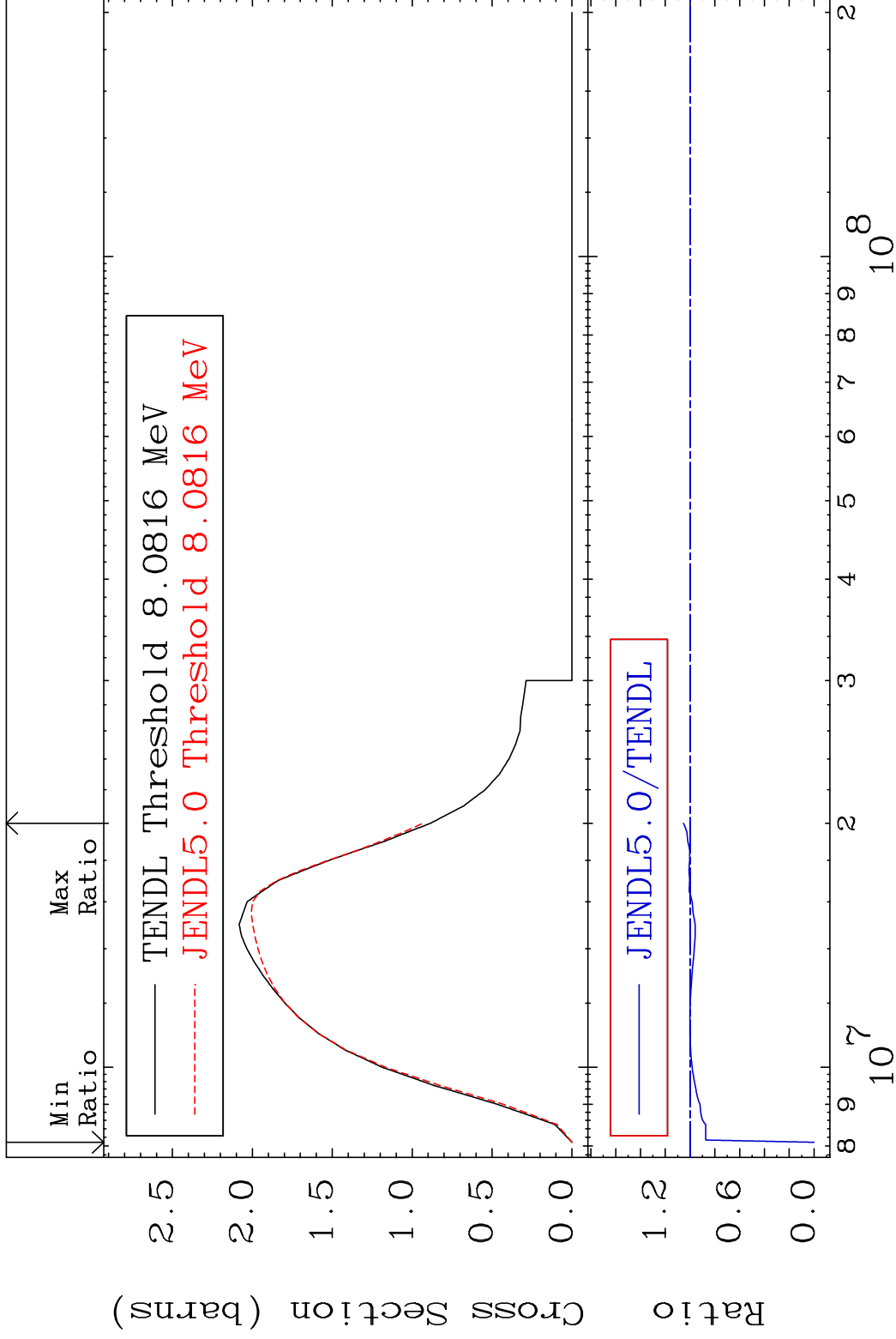
69-Tm-169

MAT 6925

(n,2n)

69-Tm-169

Cross Section -100.0 To 5.345 %



4

Incident Energy (eV)

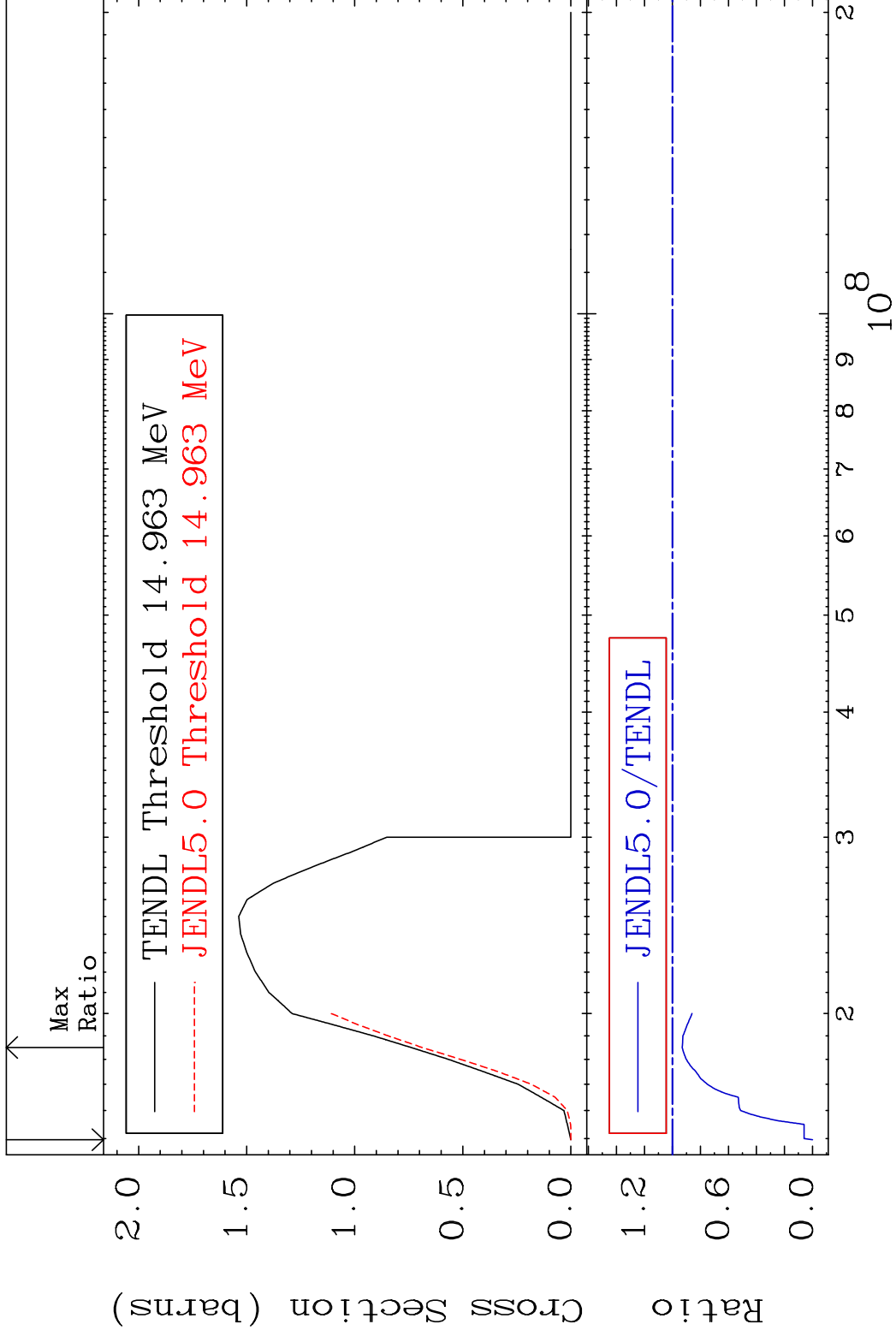
69-Tm-169

MAT 6925

(n,3n)

69-Tm-169

Cross Section -100.0 To -6.945%



5

Incident Energy (eV)

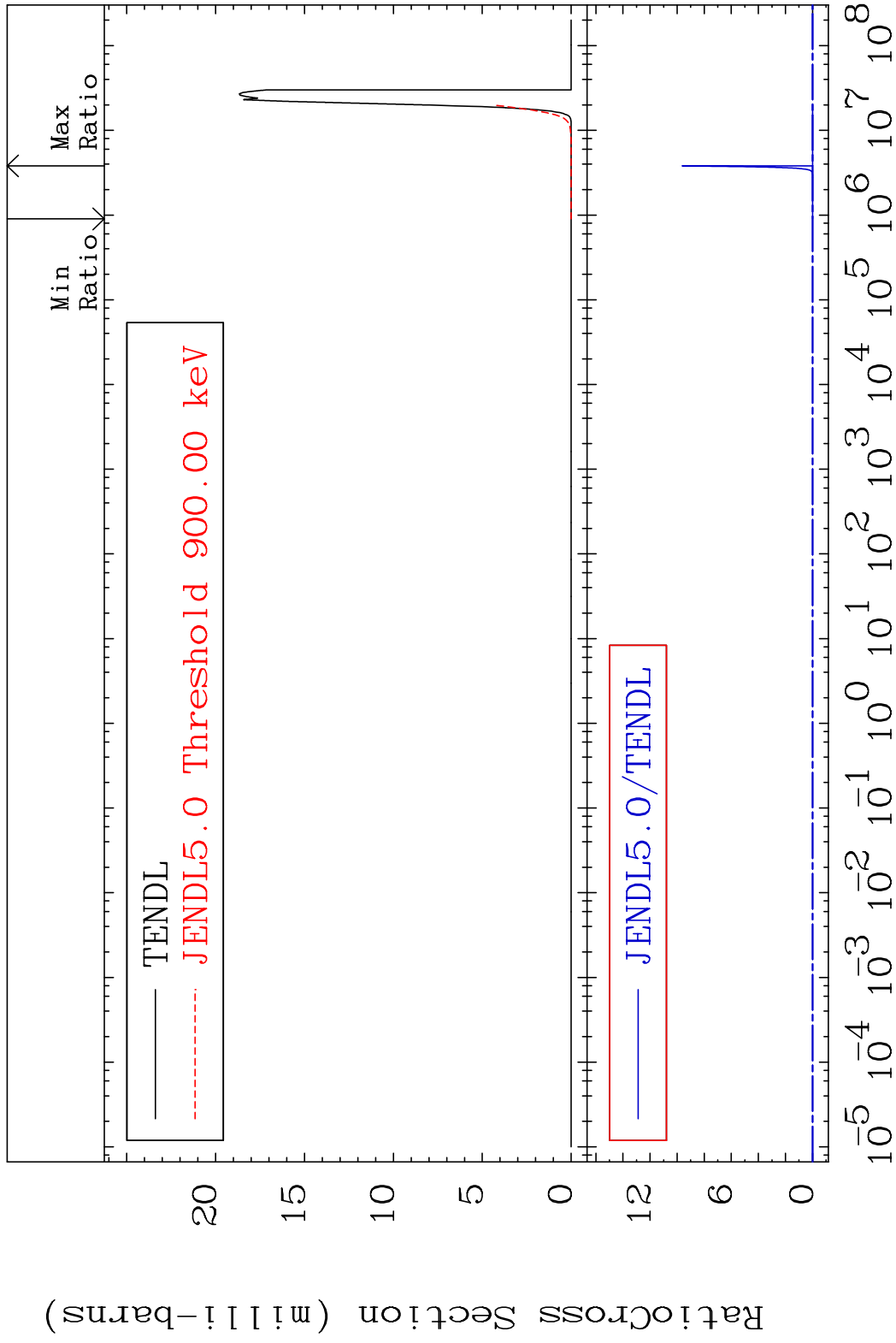
69-Tm-169

MAT 6925

(n, n')  $\alpha$

69-Tm-169

Cross Section -100.0 To 9999. %

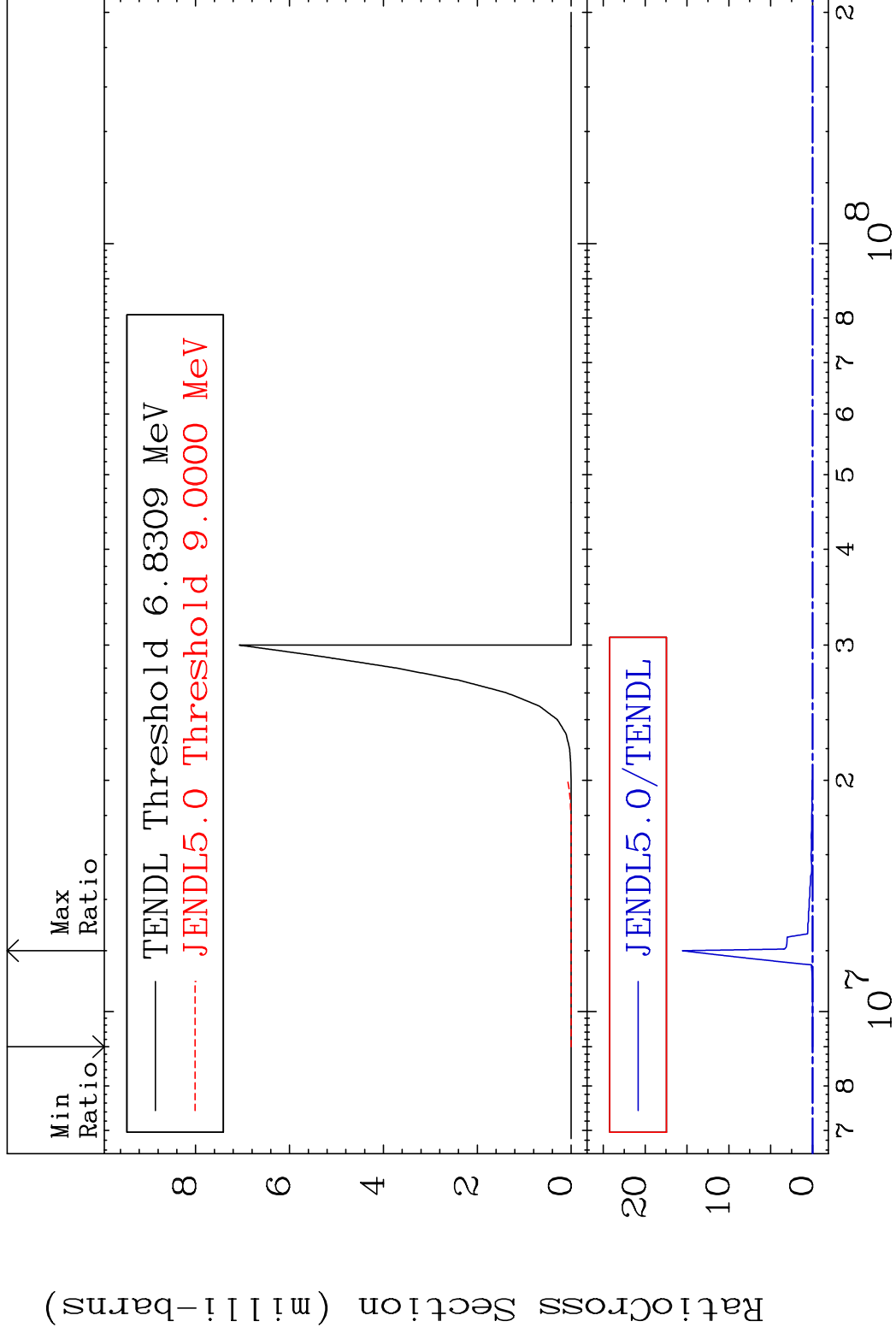


MAT 6925

(n,2n)  $\alpha$

69-Tm-169

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

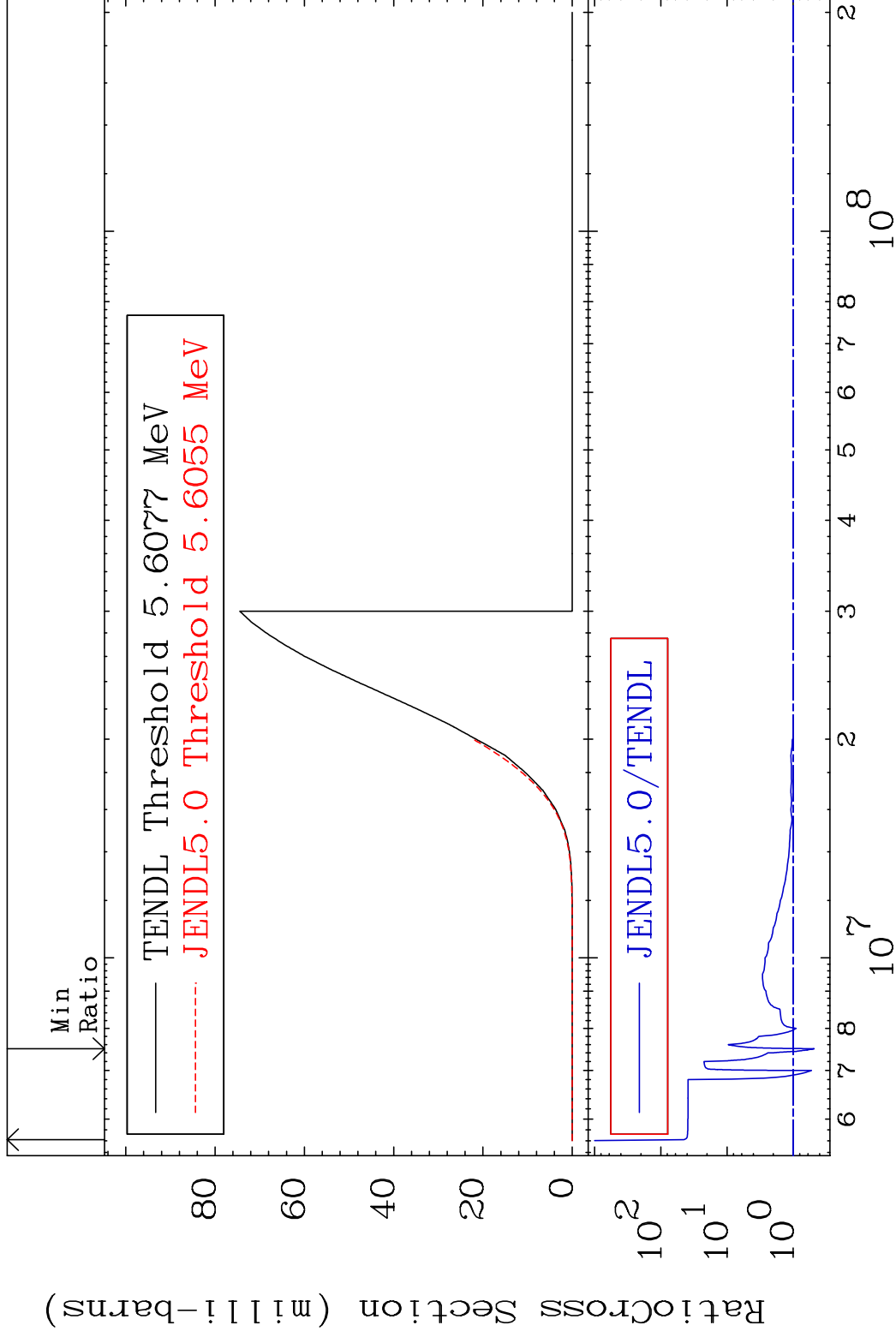
69-Tm-169

MAT 6925

(n, n') p

69-Tm-169

Cross Section -51.58 To 4416. %



8

Incident Energy (eV)

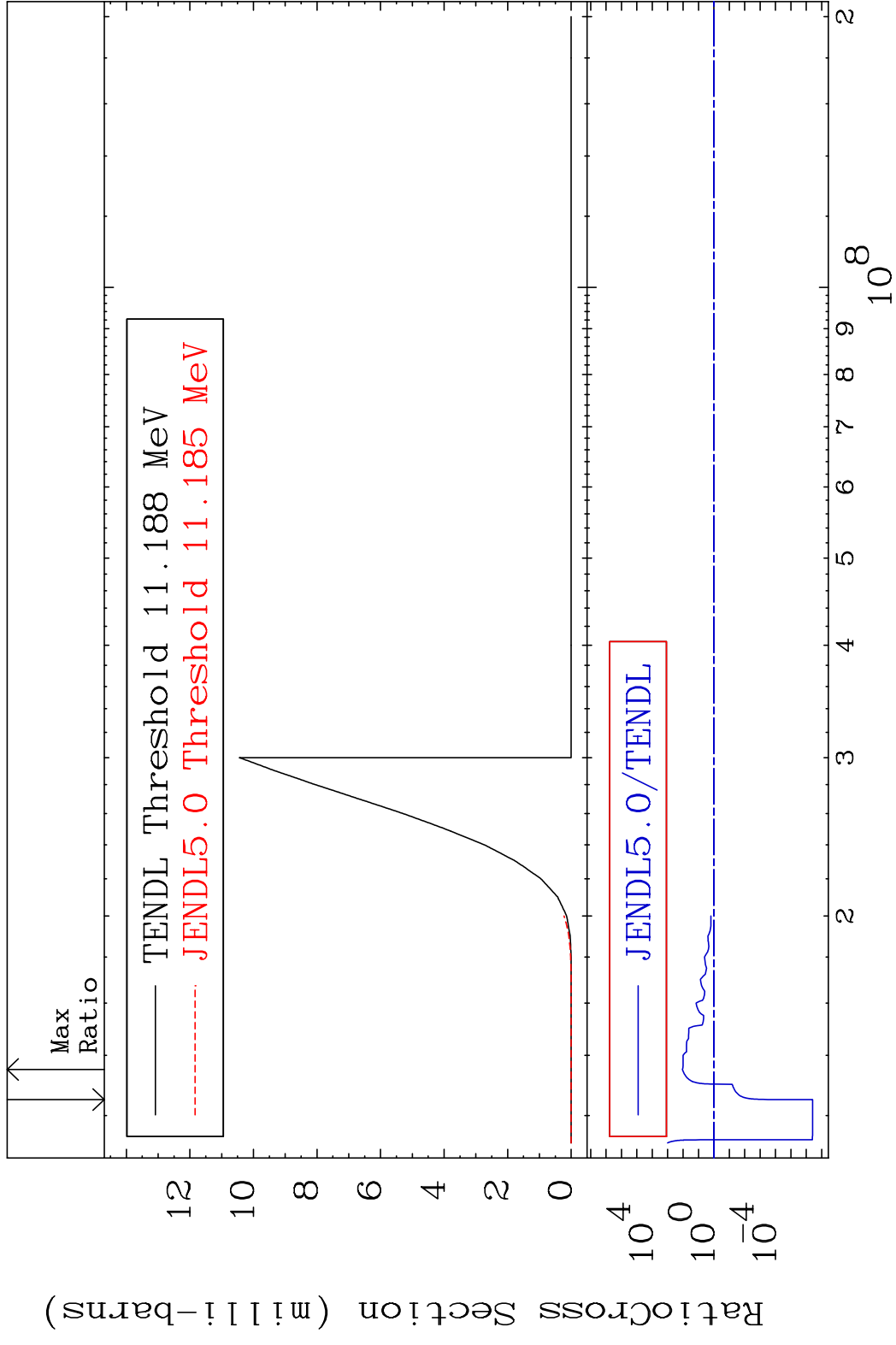
69-Tm-169

MAT 6925

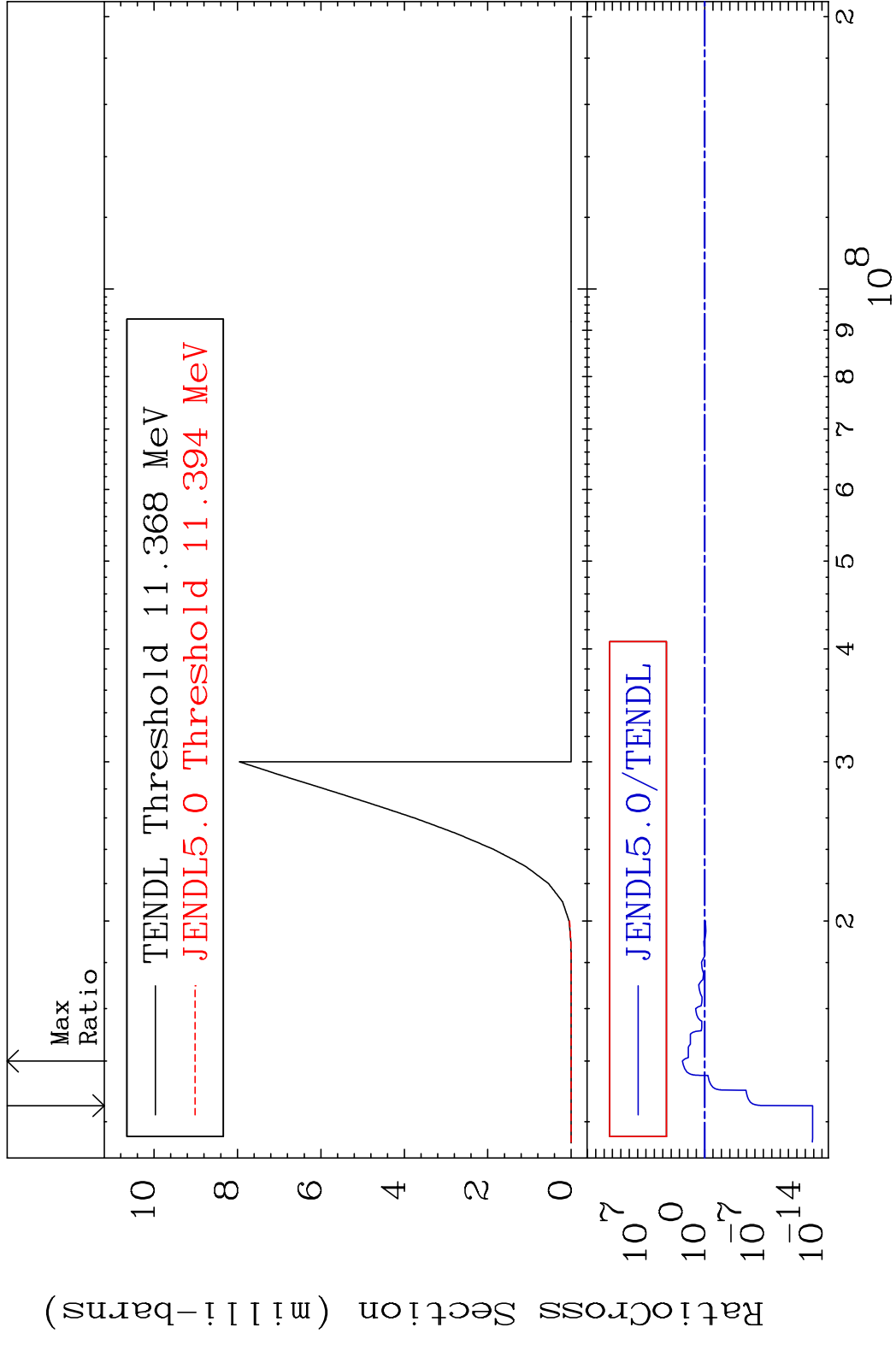
(n, n') d

69-Tm-169

Cross Section -100.0 To 9999. %



MAT 6925 (n, n') t 69-Tm-169  
 Cross Section -100.0 To 9999. %



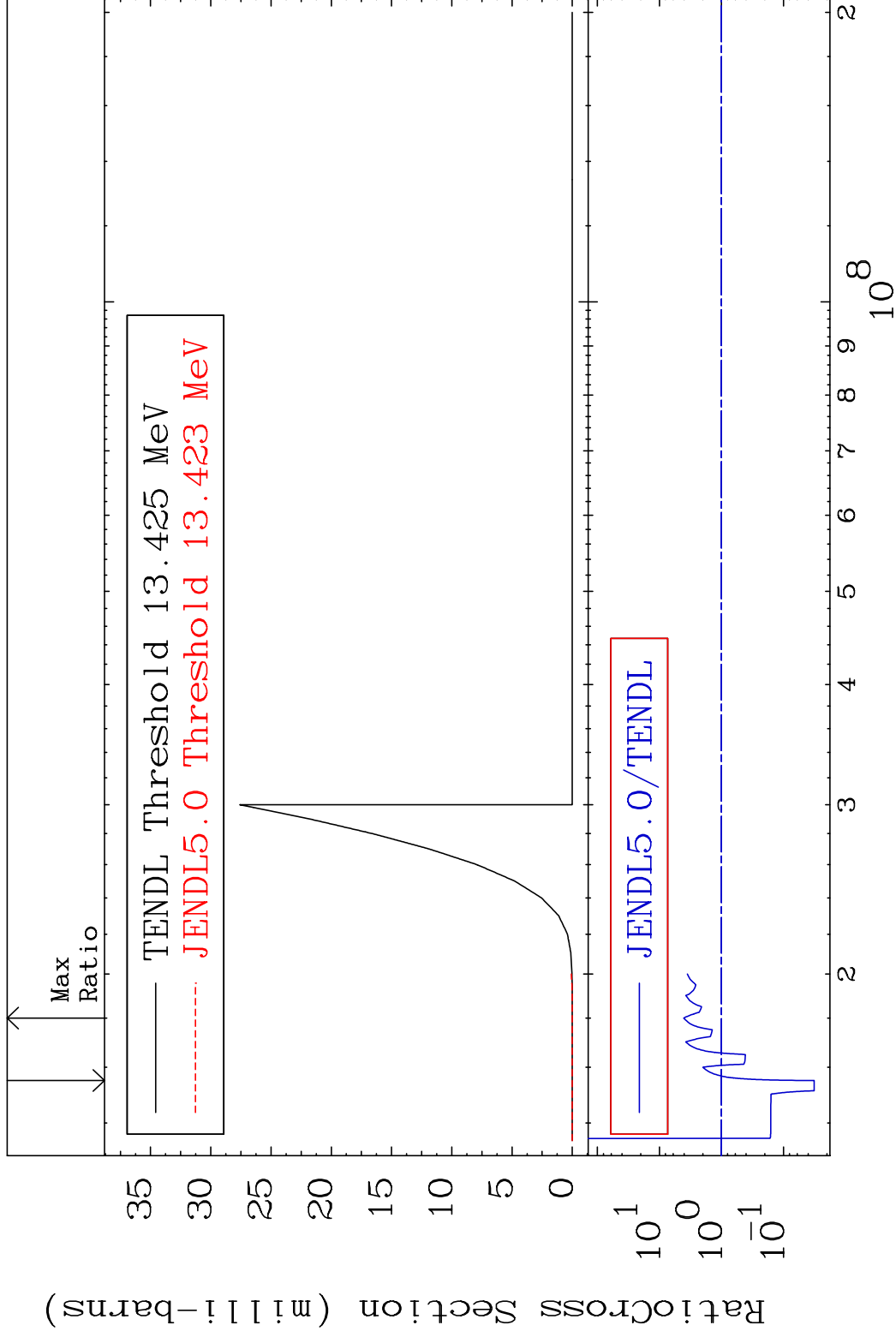
10 Incident Energy (eV) 69-Tm-169

MAT 6925

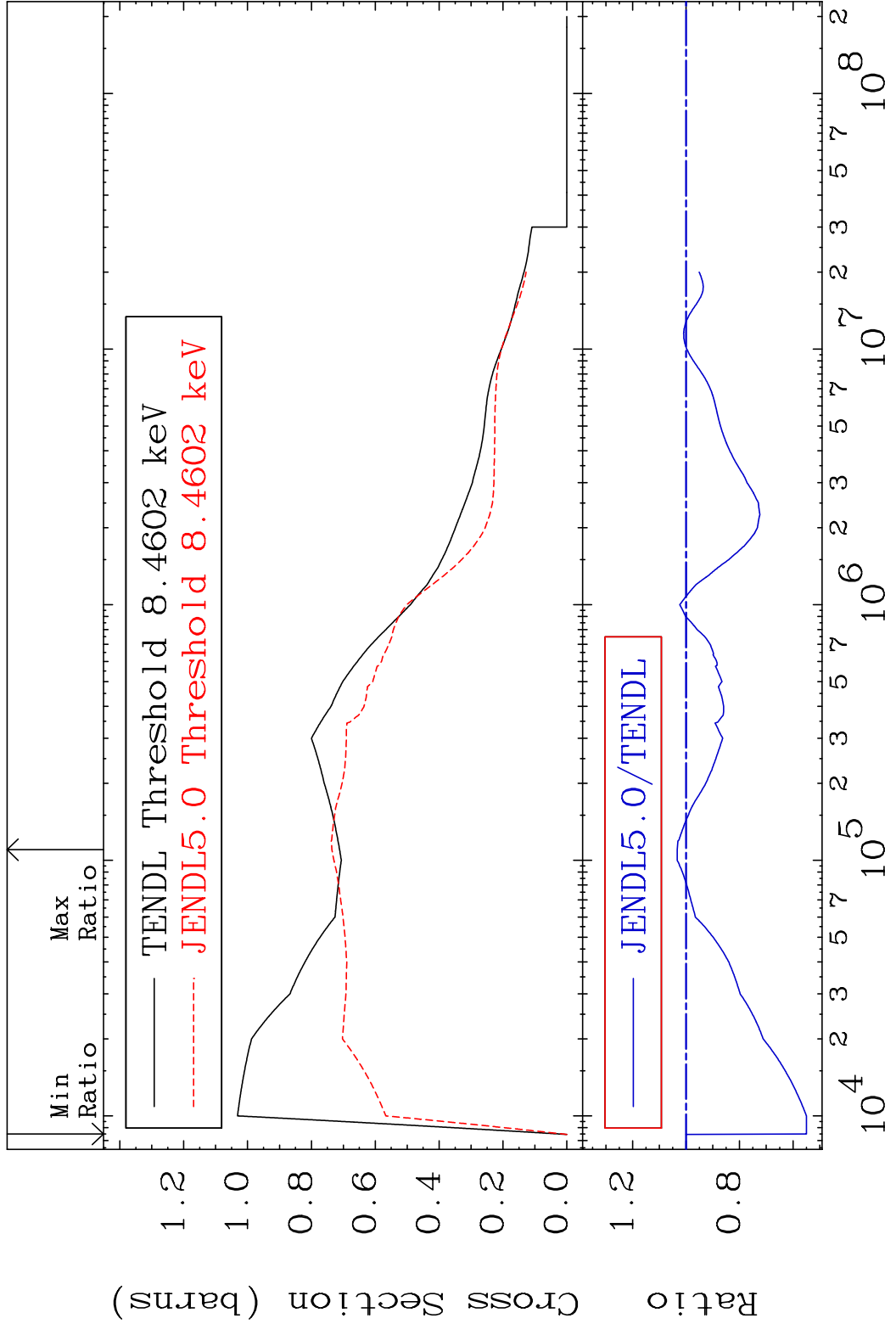
(n,2n) p

69-Tm-169

Cross Section -96.79 To 306.9 %

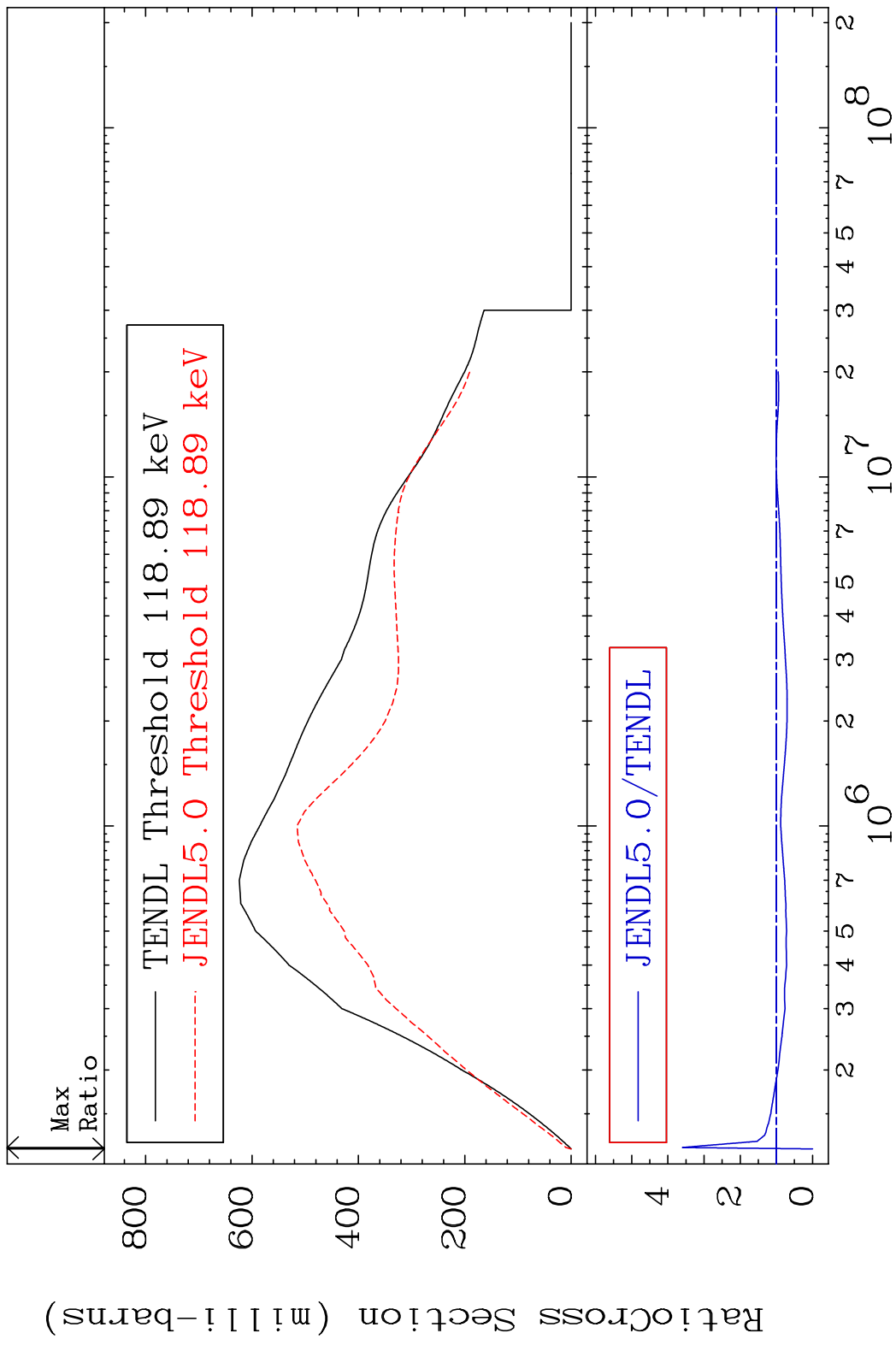


MAT 6925 MT= 51 (n, n') Level 69-Tm-169  
 Cross Section -45.02 To 3.346 %

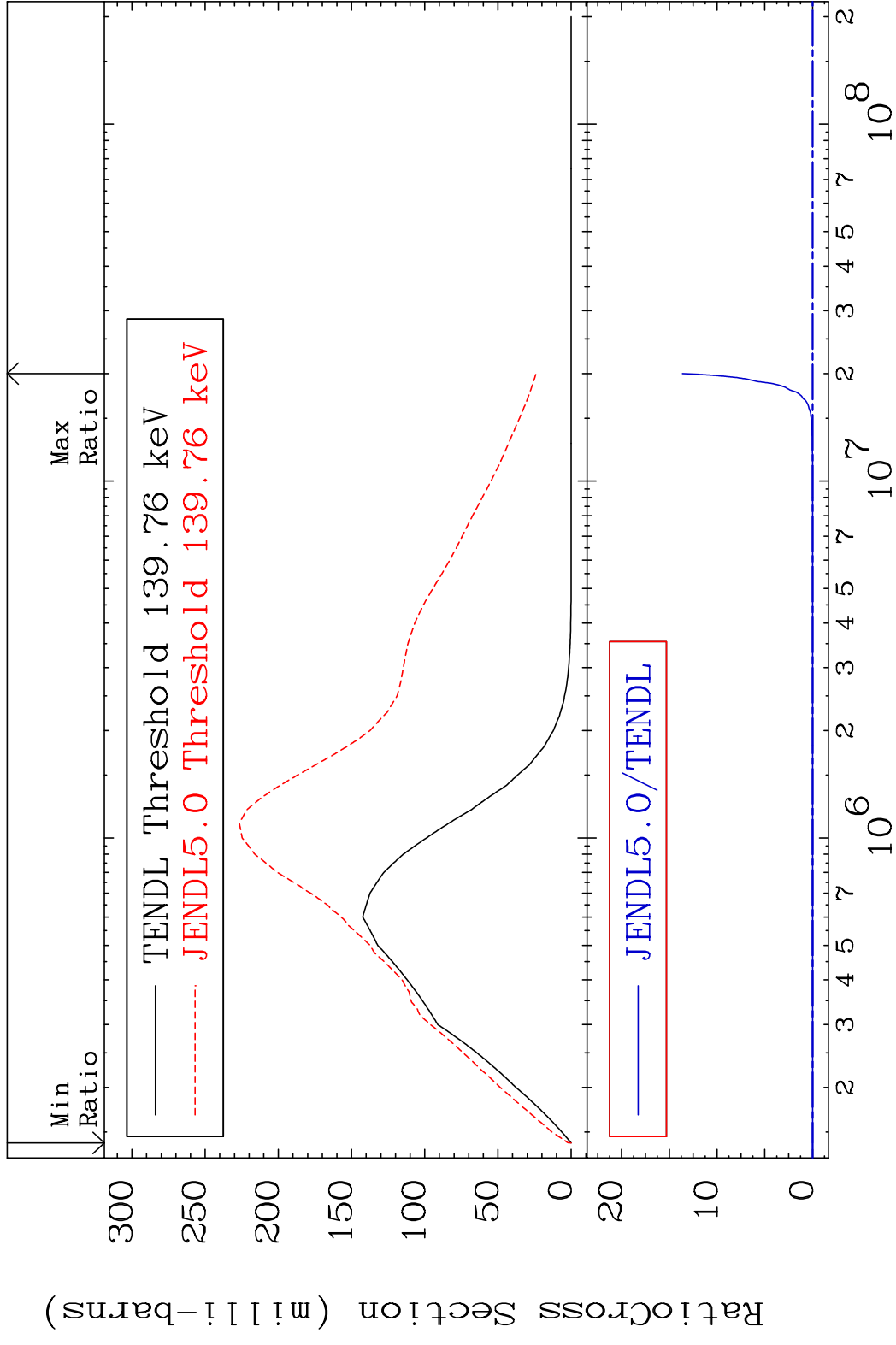


12 Incident Energy (eV) 69-Tm-169

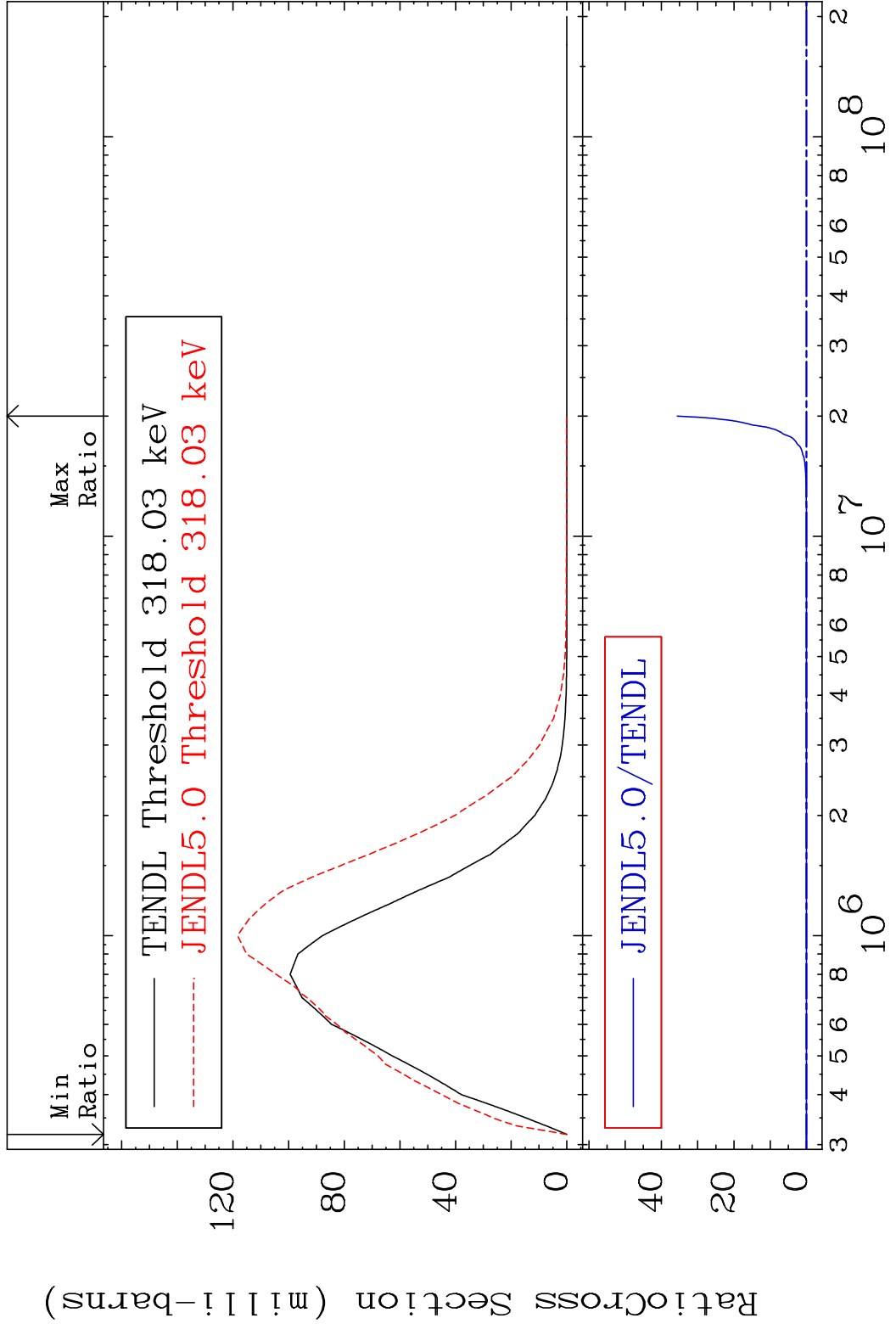
MAT 6925 MT= 52 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 260.0 %



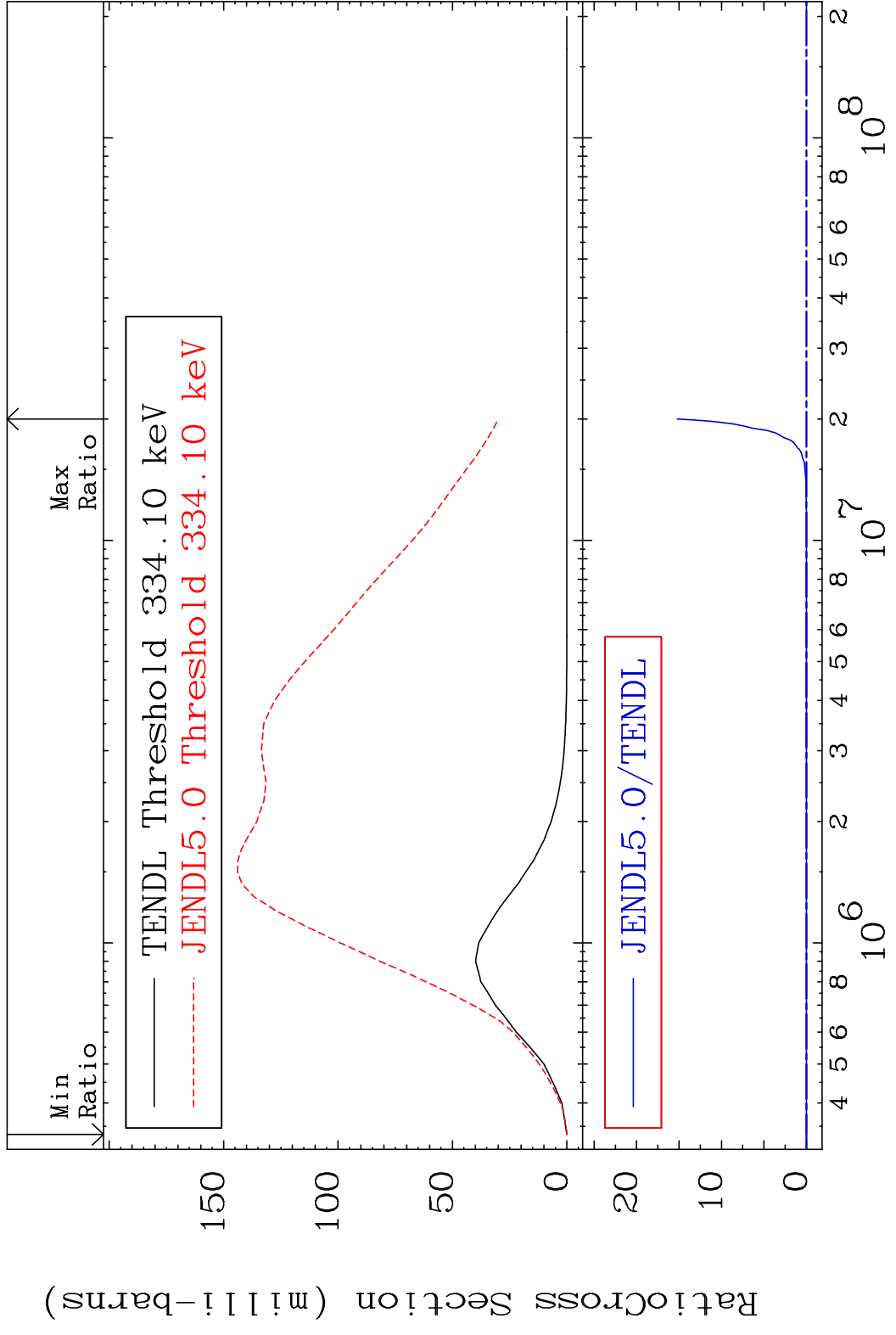
MAT 6925 MT= 53 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 9999. %



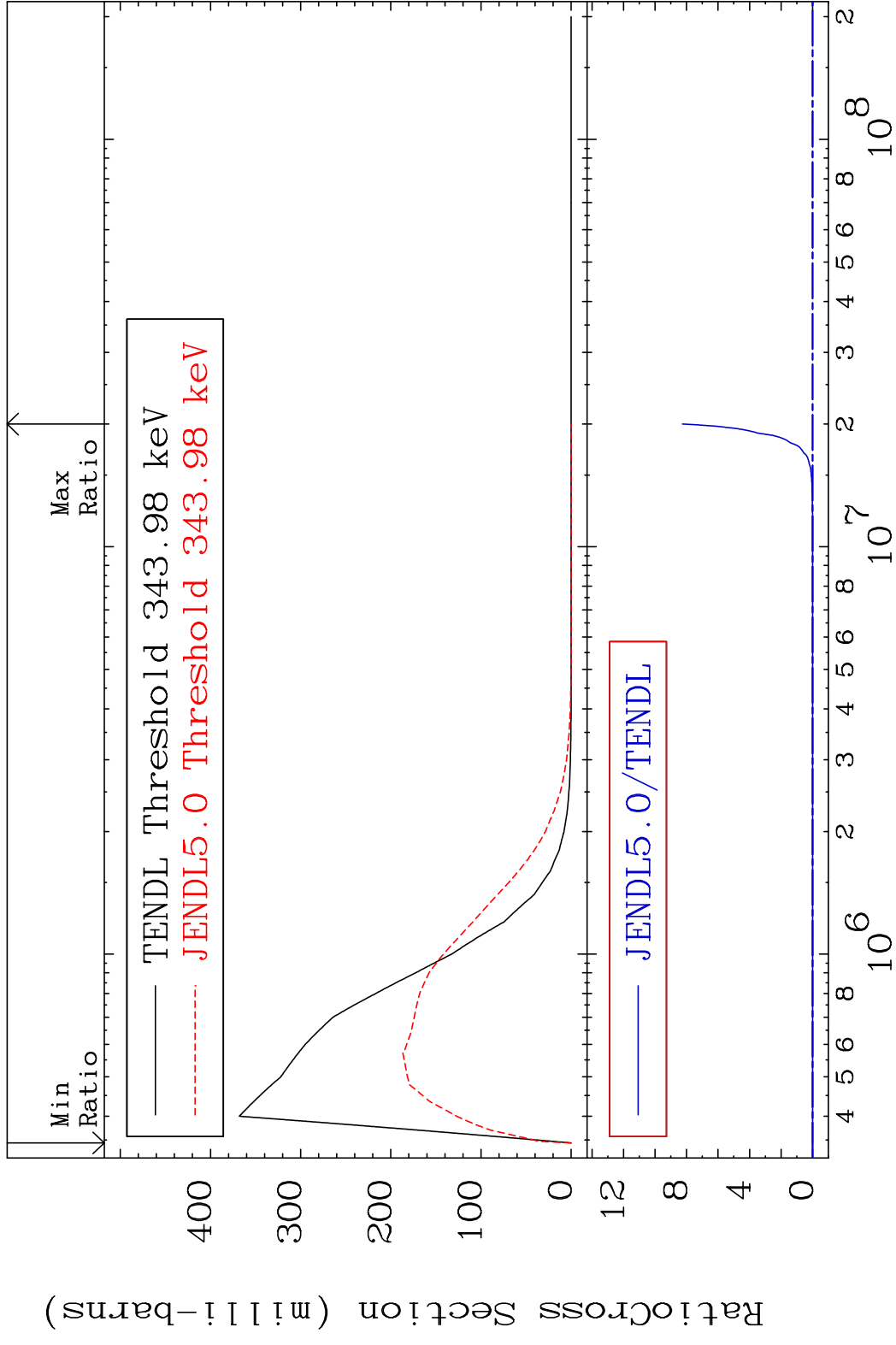
MAT 6925 MT= 54 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 9999. %



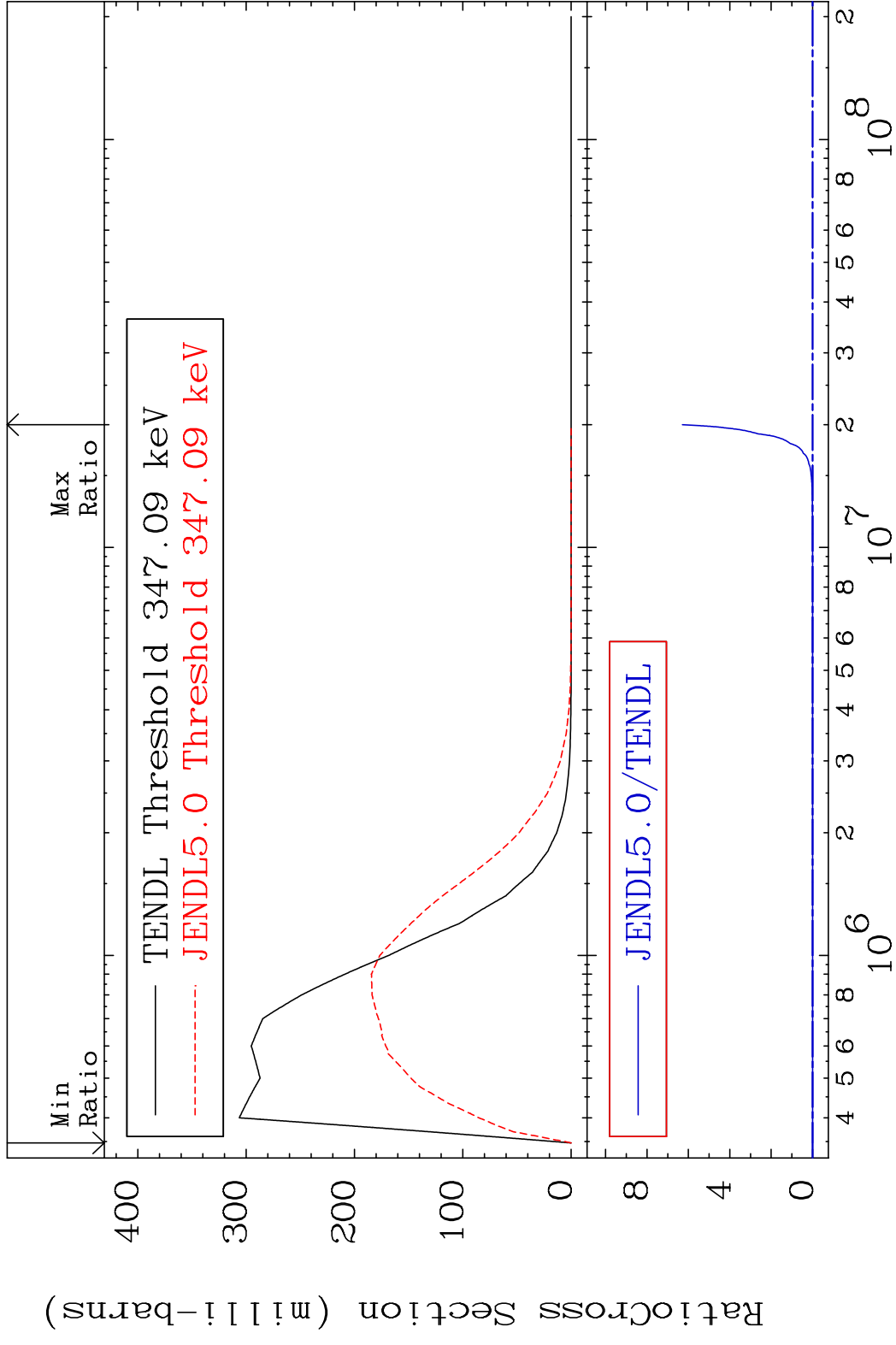
MAT 6925 MT= 55 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 9999. %



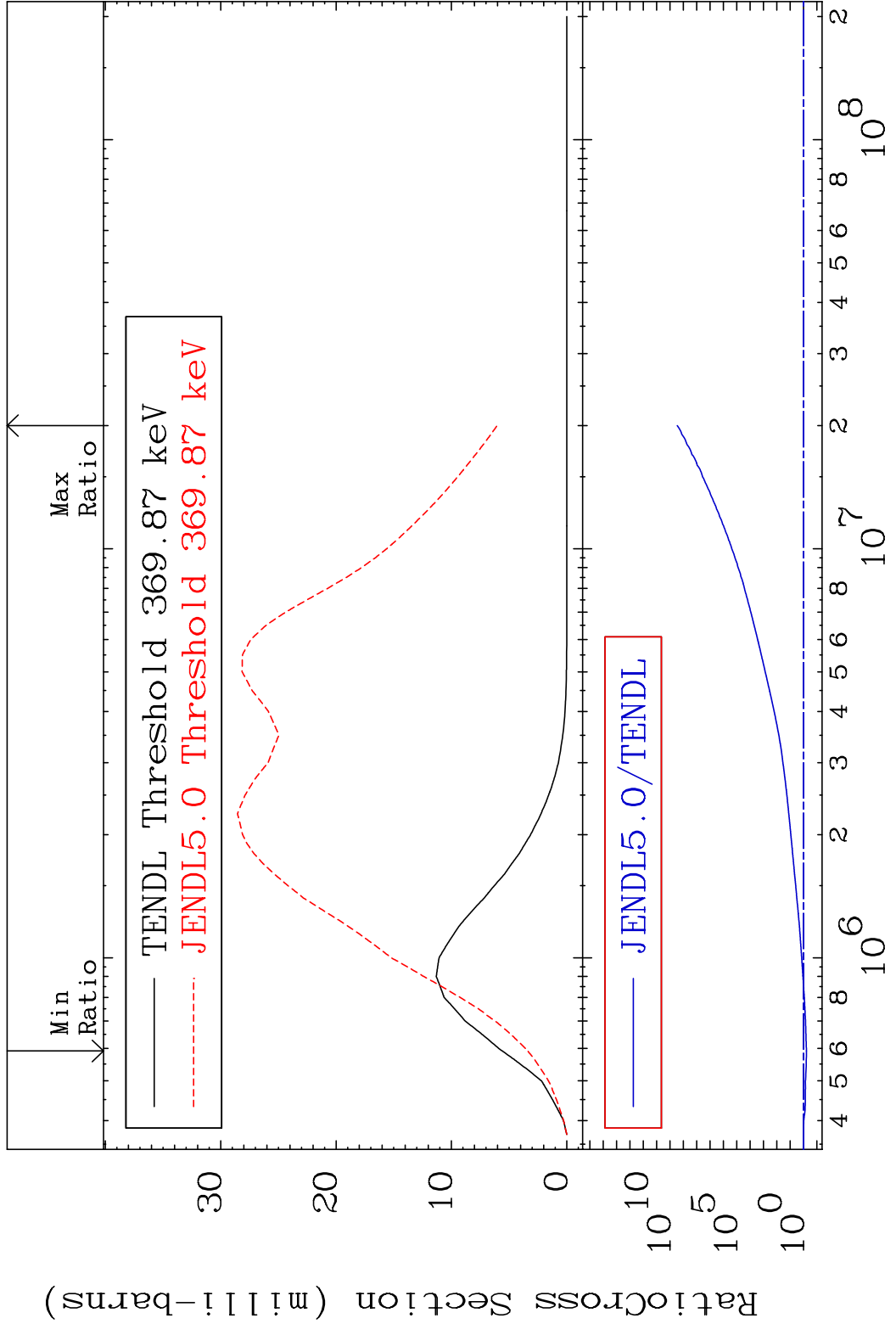
MAT 6925 MT= 56 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 9999. %



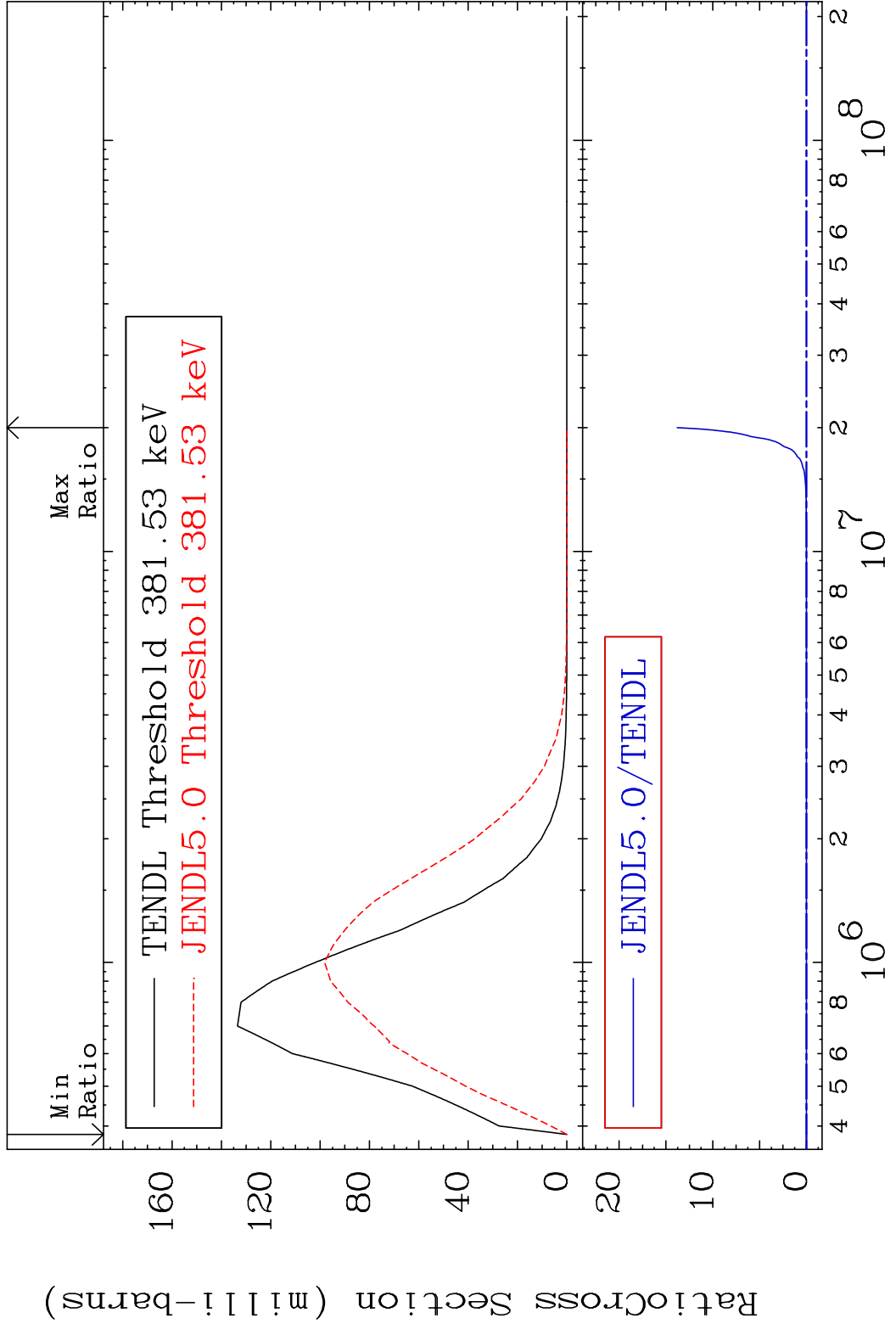
MAT 6925 MT= 57 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 9999. %



MAT 6925 MT= 58 (n, n') Level 69-Tm-169  
 Cross Section -39.28 To 9999. %

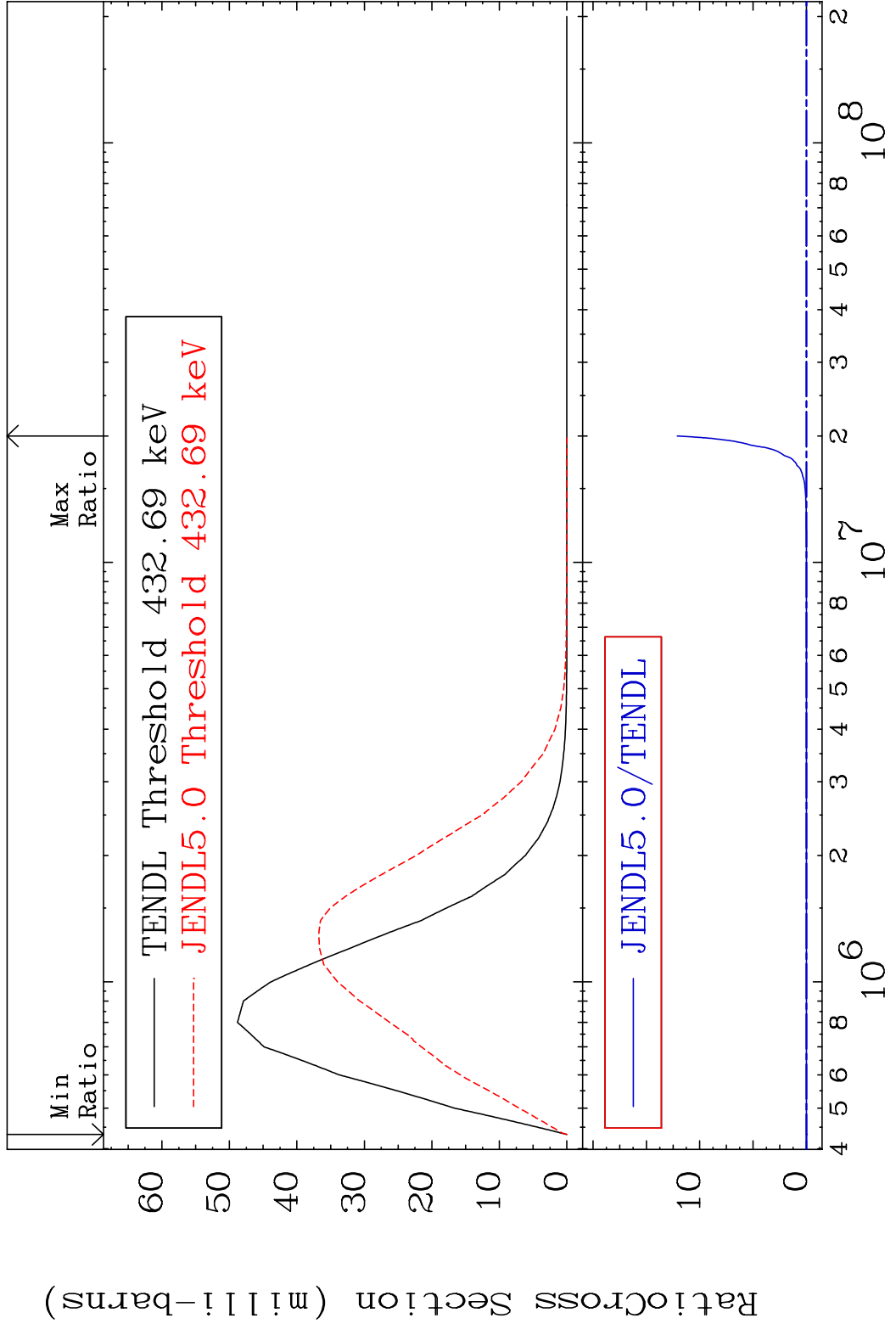


MAT 6925 MT= 59 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 9999. %

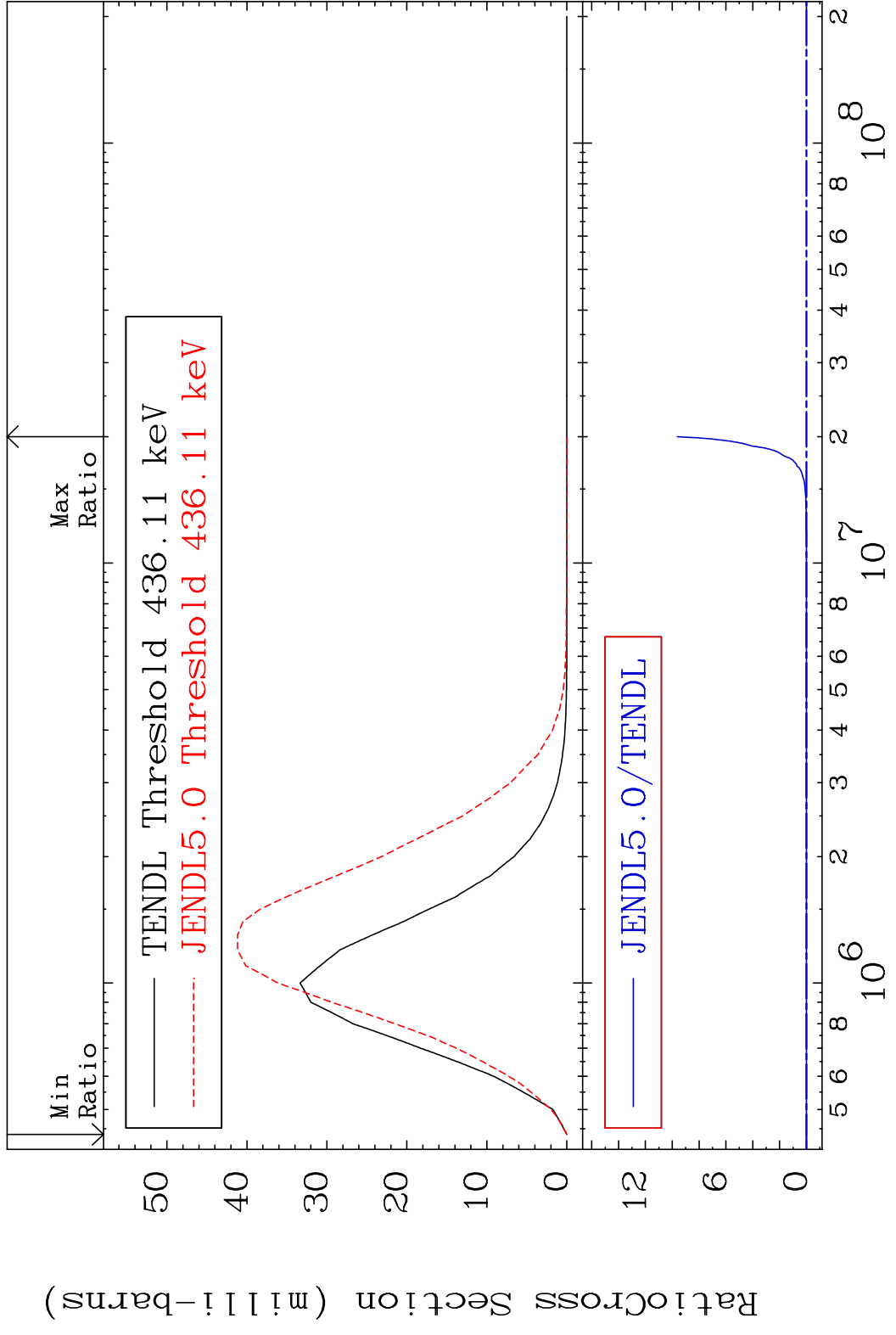


20 Incident Energy (eV) 69-Tm-169

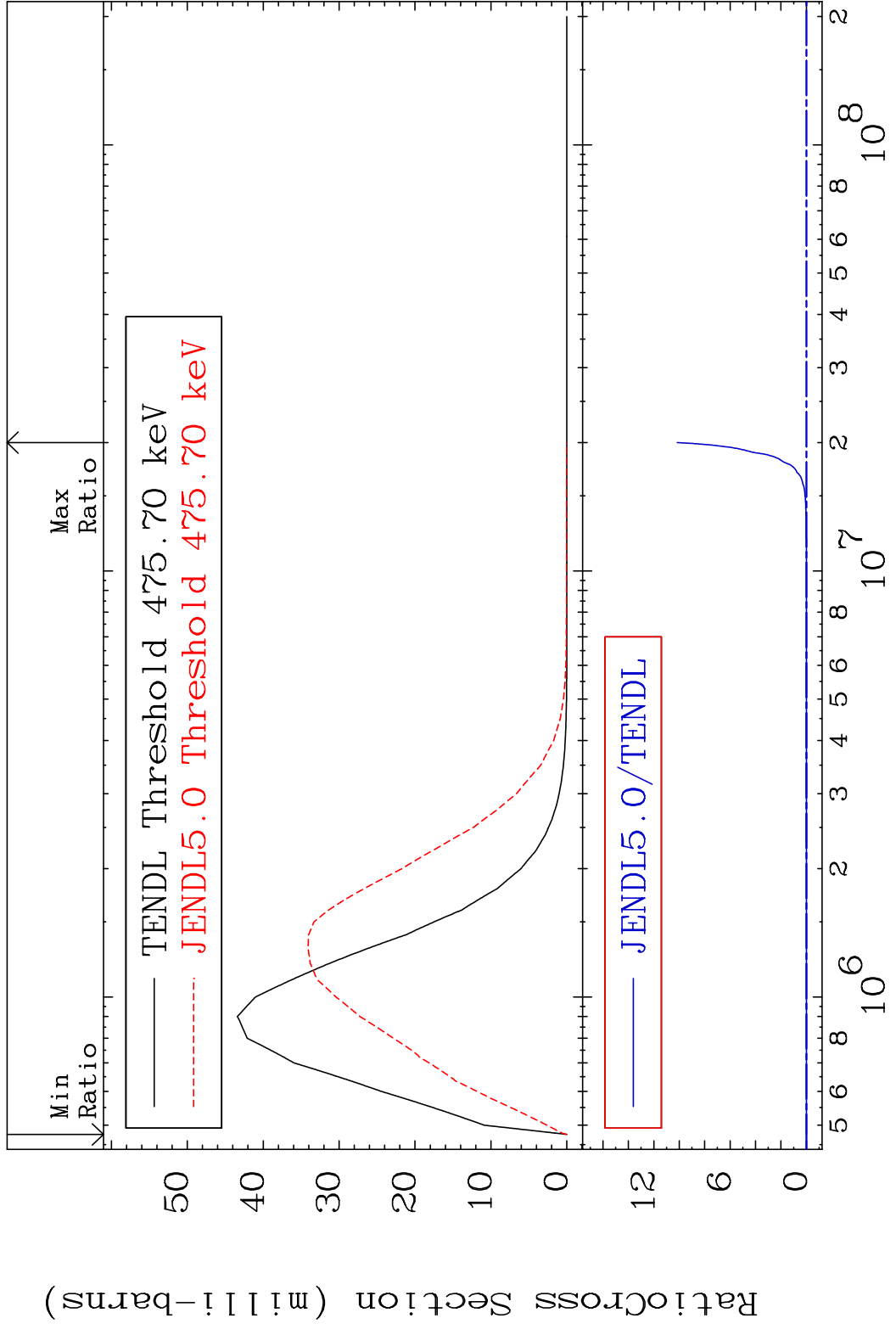
MAT 6925 MT= 60 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 9999. %



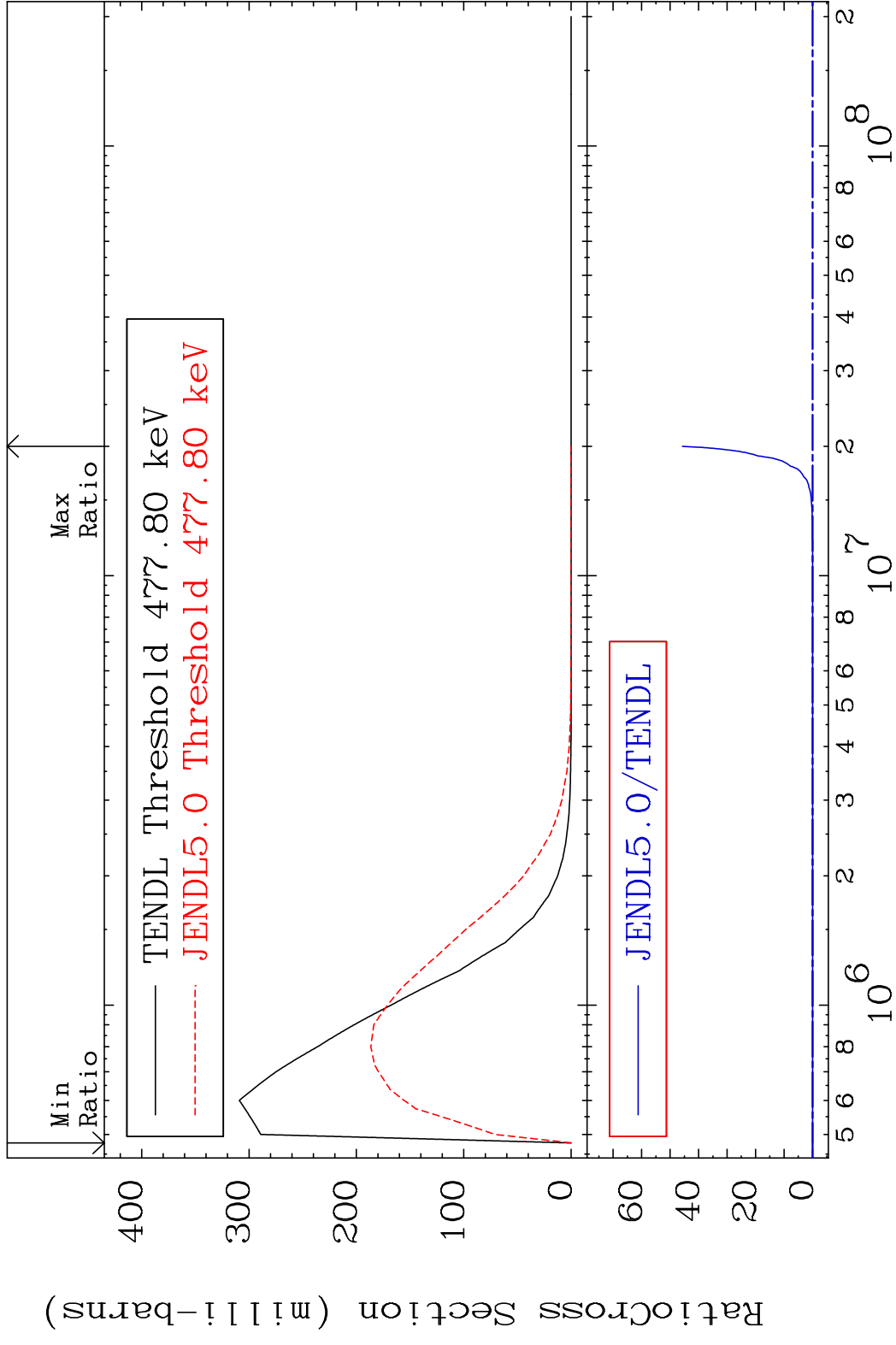
MAT 6925 MT= 61 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 9999. %



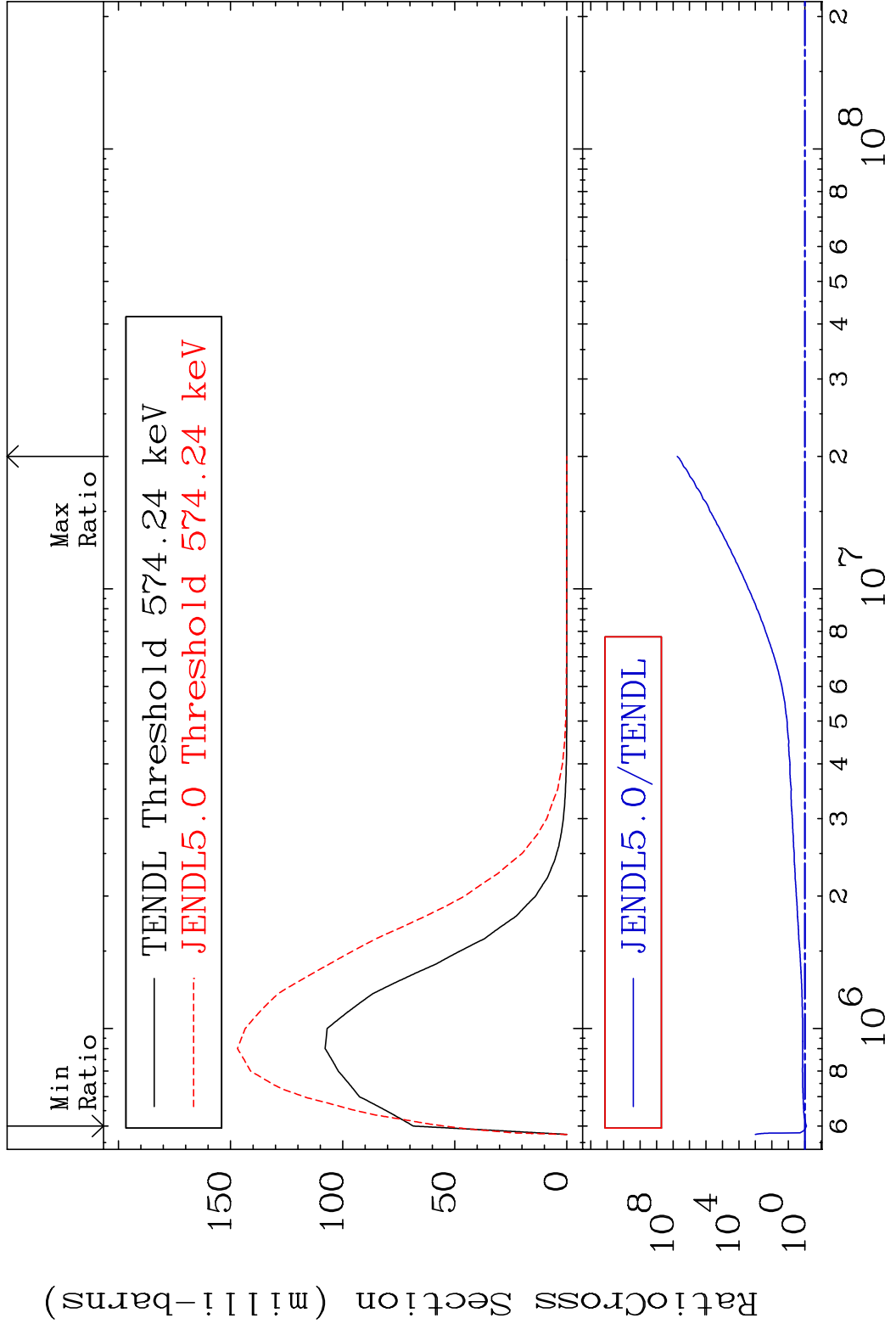
MAT 6925 MT= 62 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 9999. %



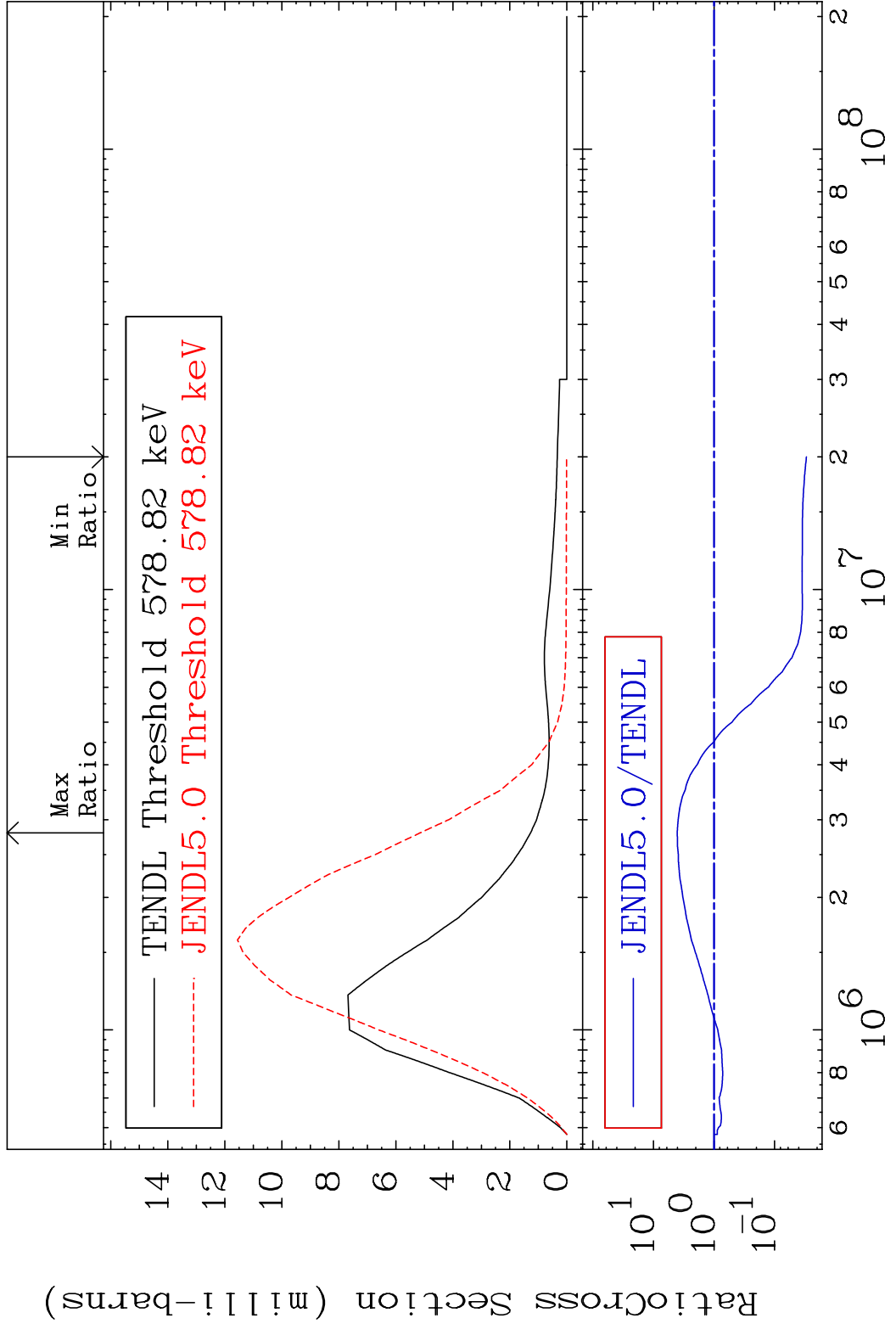
MAT 6925 MT= 63 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 9999. %



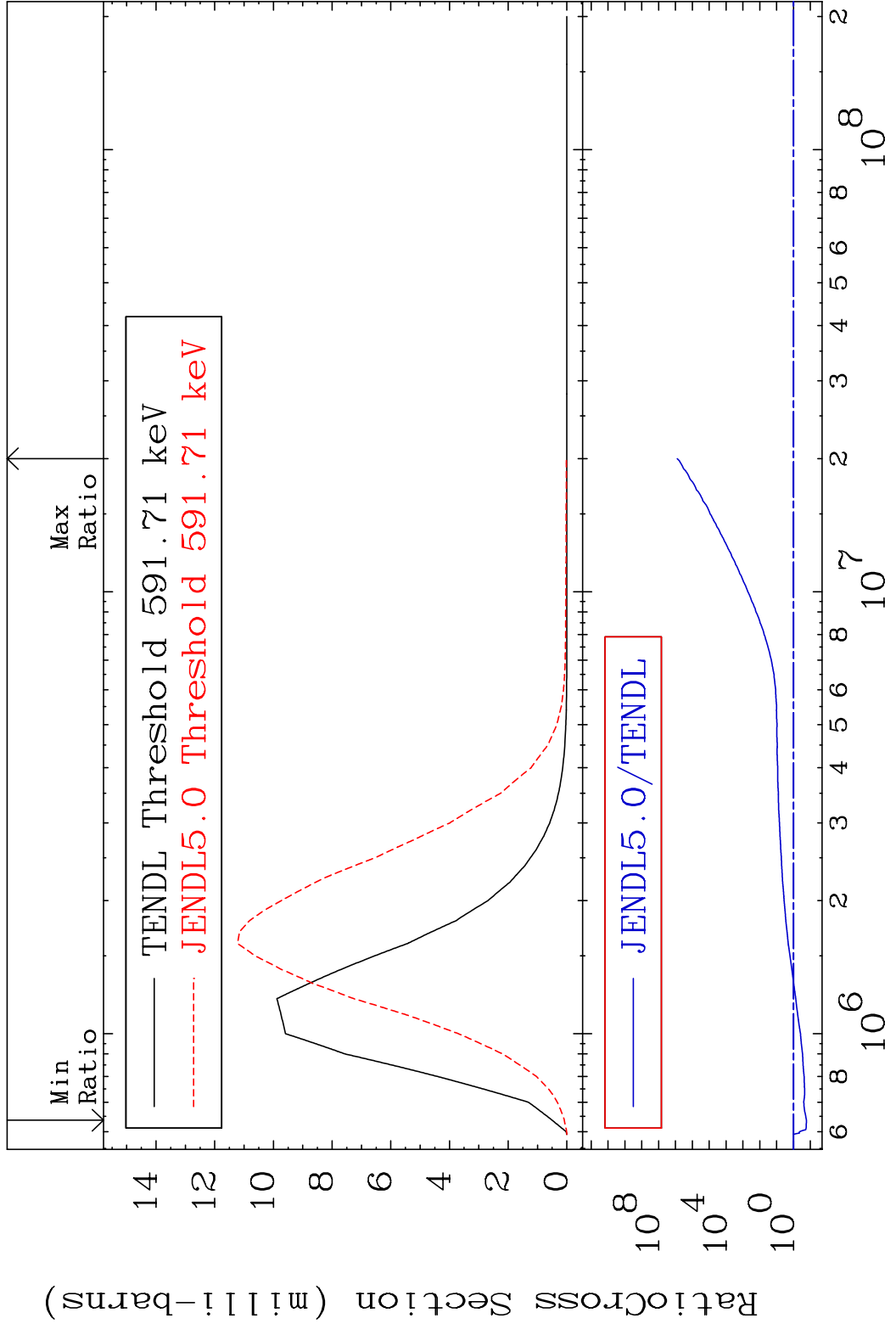
MAT 6925 MT= 64 (n, n') Level 69-Tm-169  
 Cross Section -20.09 To 9999. %



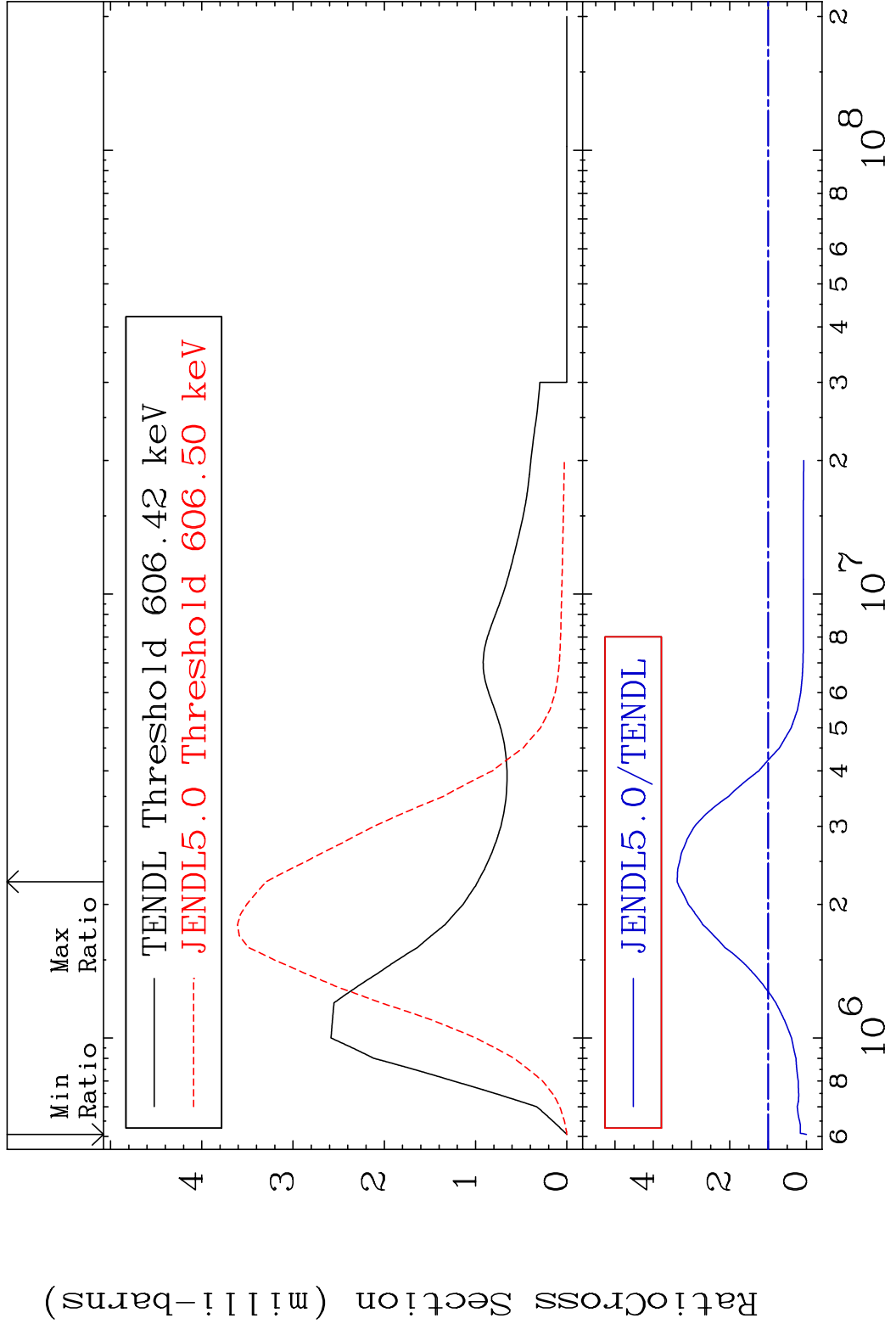
MAT 6925 MT= 65 (n, n') Level 69-Tm-169  
 Cross Section -97.01 To 304.8 %



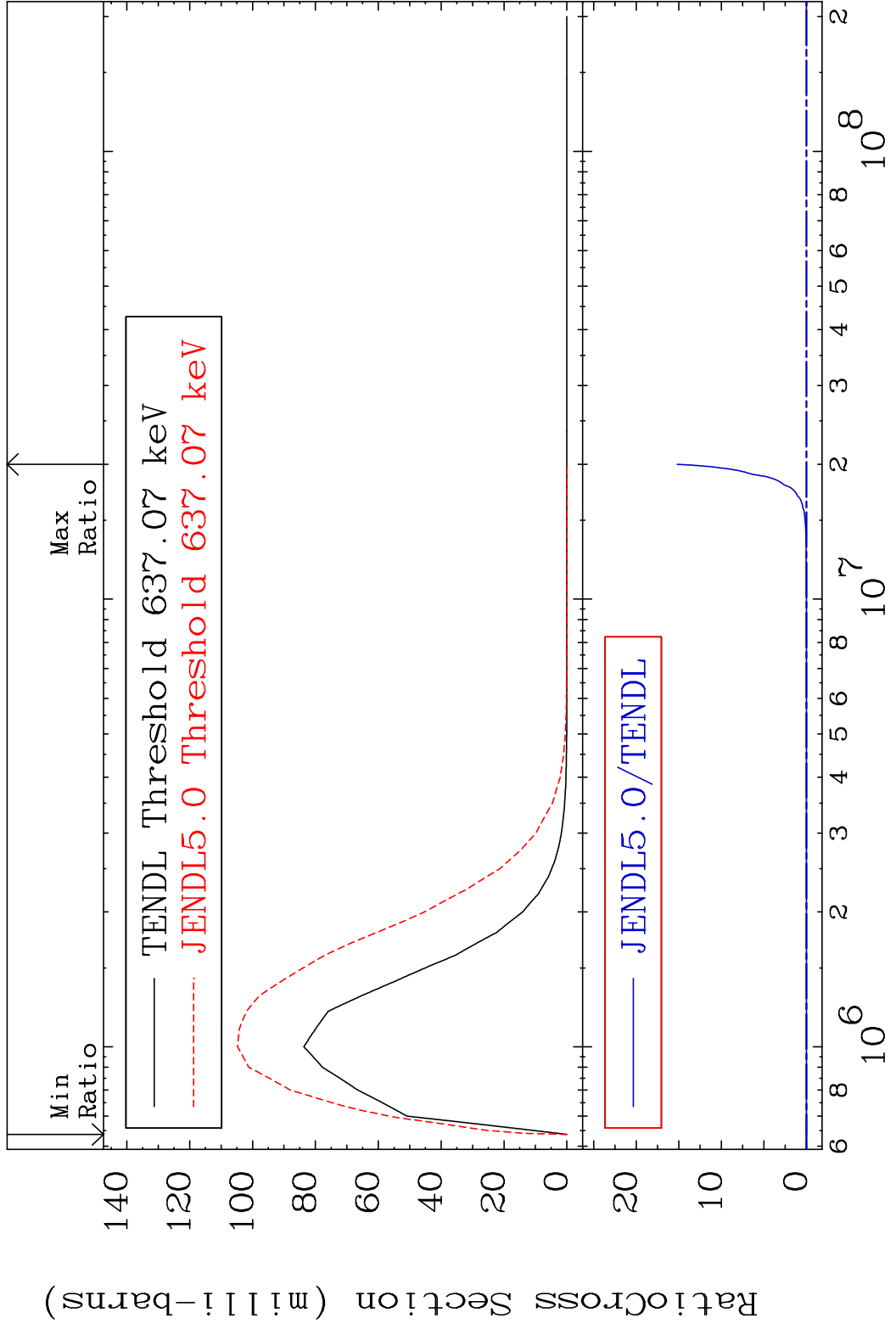
MAT 6925 MT= 66 (n, n') Level 69-Tm-169  
 Cross Section -82.82 To 9999. %



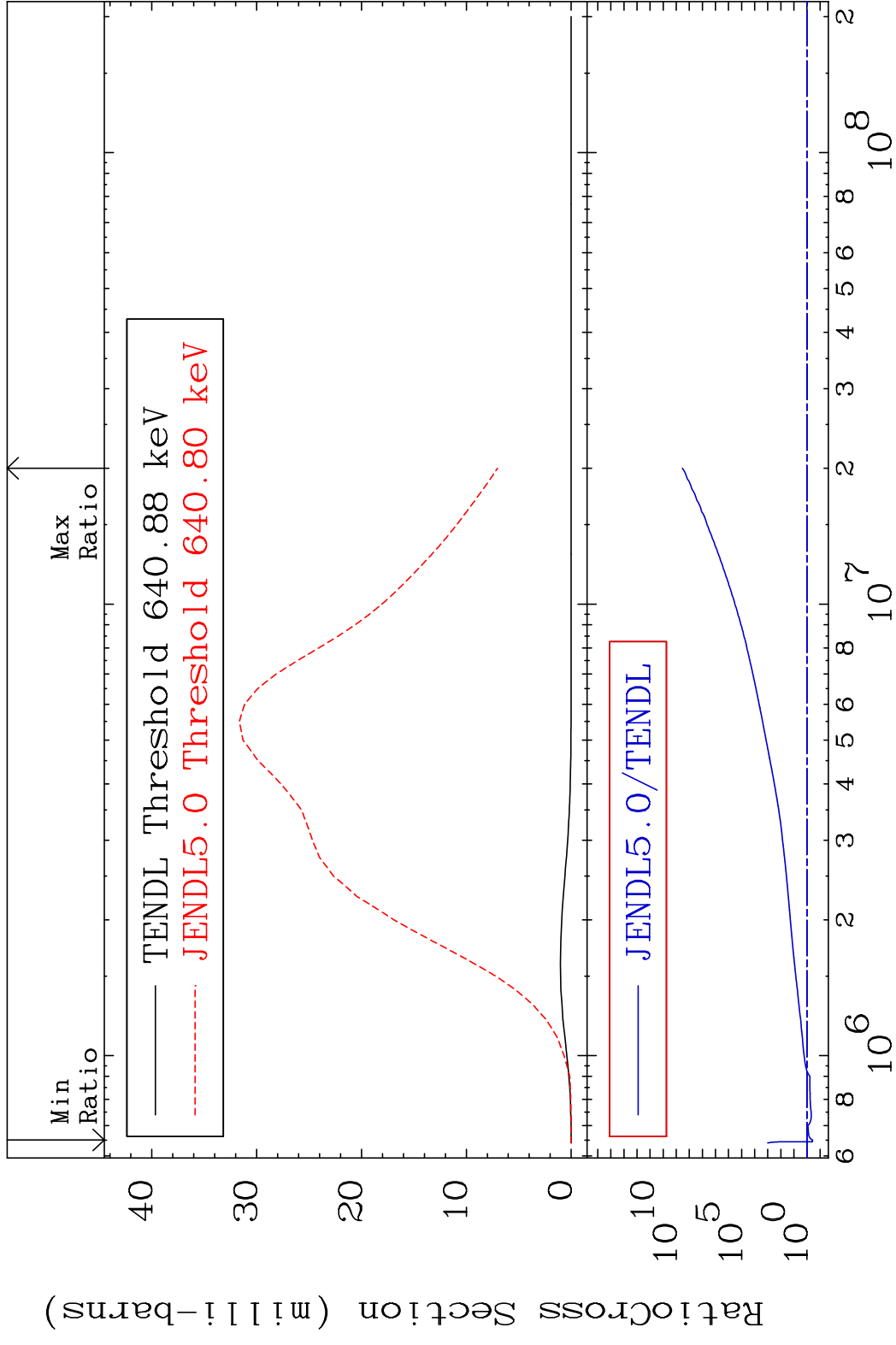
MAT 6925 MT= 67 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 237.4 %



MAT 6925 MT= 68 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 9999. %

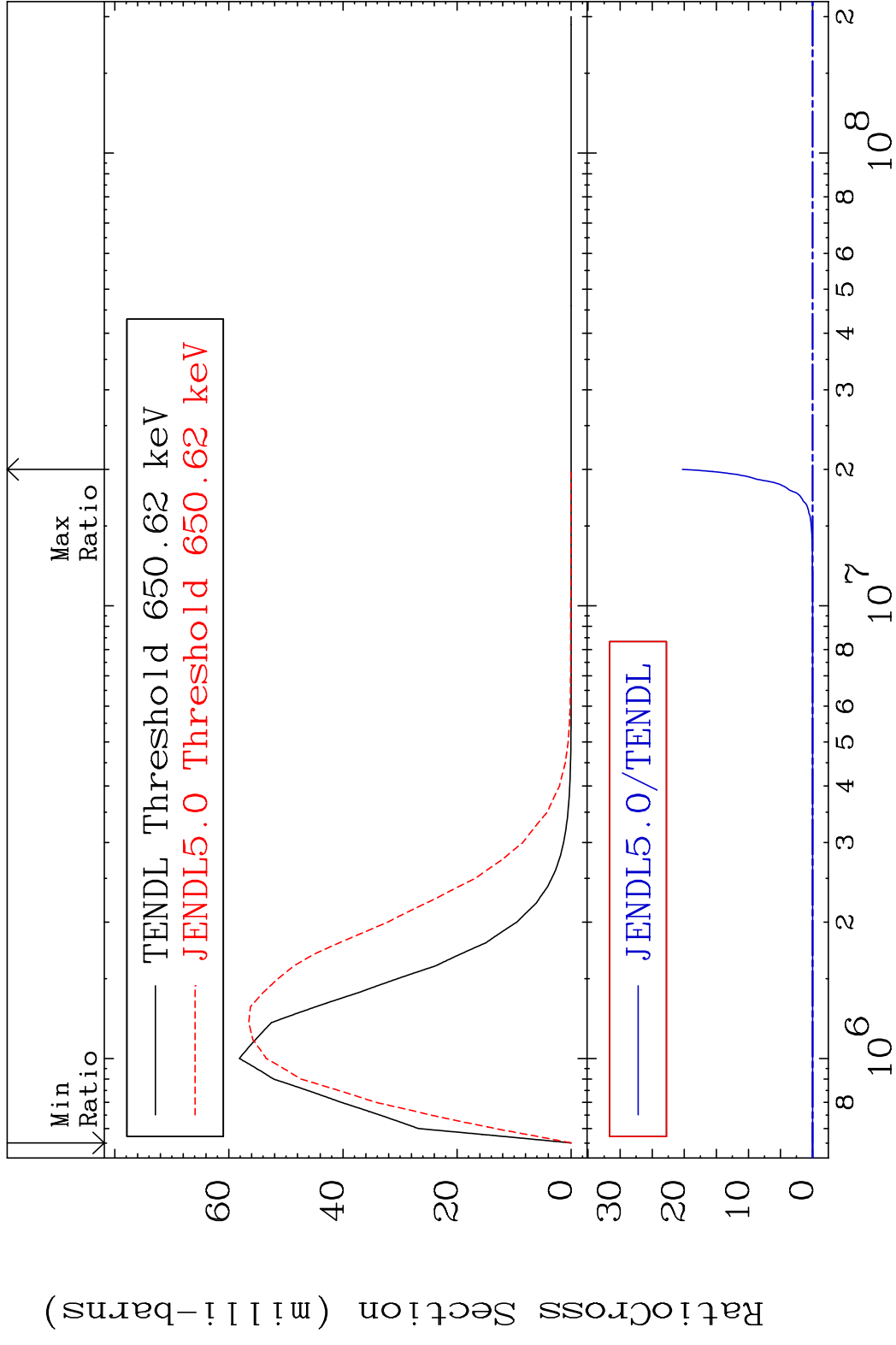


MAT 6925 MT= 69 (n, n') Level 69-Tm-169  
 Cross Section -62.51 To 9999. %



30 Incident Energy (eV) 69-Tm-169

MAT 6925 MT= 70 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 9999. %



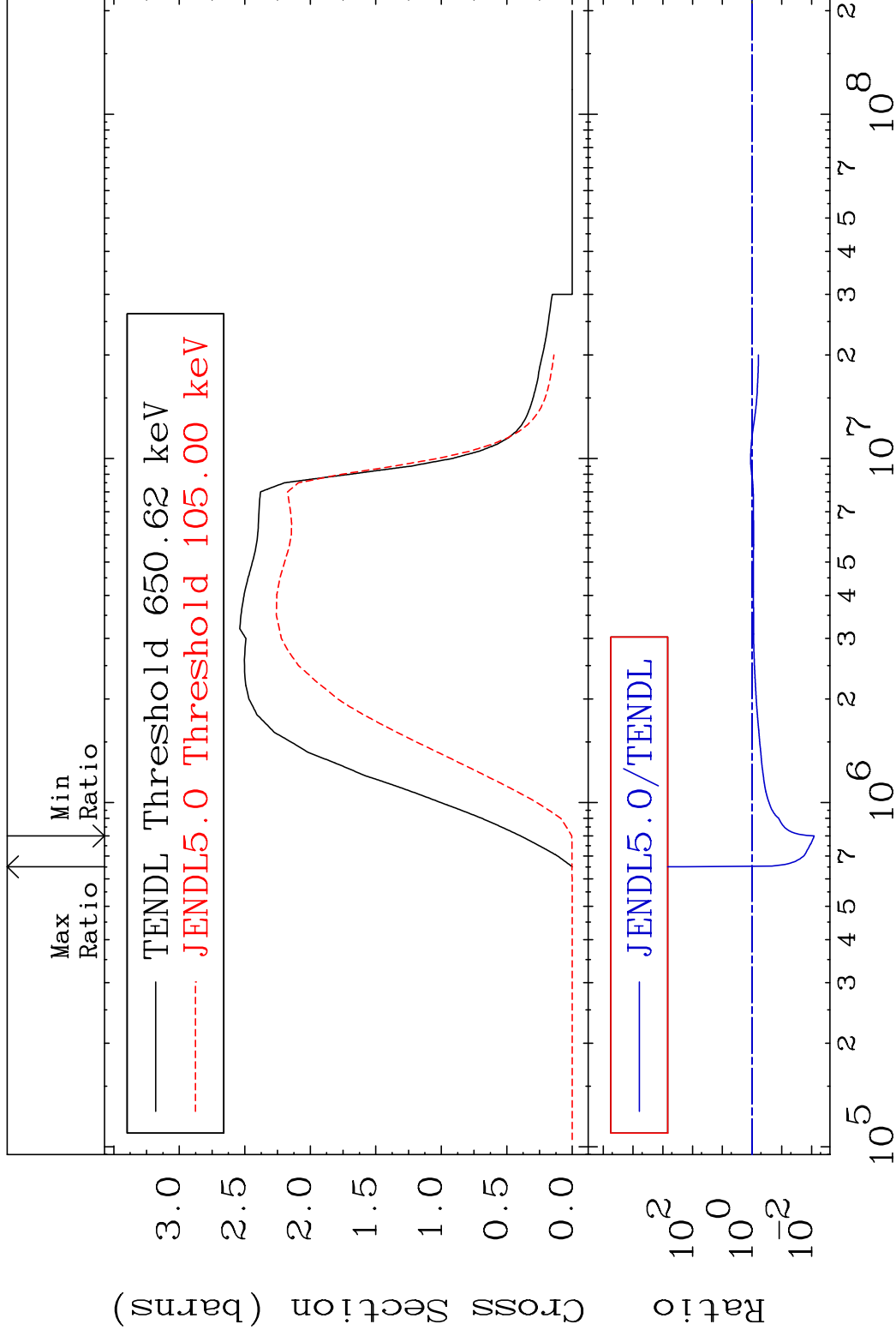
31 Incident Energy (eV) 69-Tm-169

MAT 6925

(n, n') Continuum

69-Tm-169

Cross Section -99.18 To 9999. %



32

Incident Energy (eV)

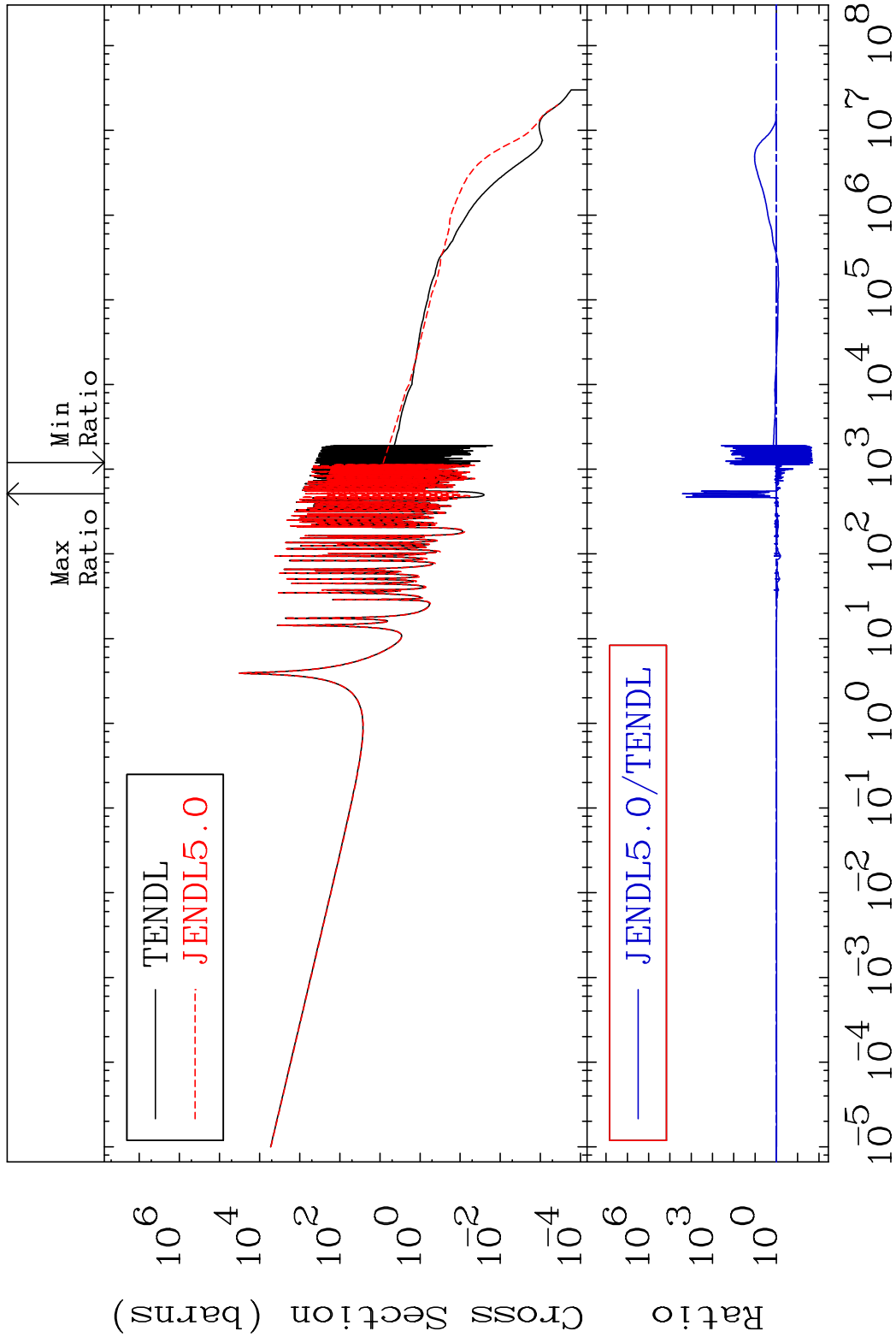
69-Tm-169

MAT 6925

(n,  $\gamma$ )

69-Tm-169

Cross Section -98.00 To 9999. %



33

Incident Energy (eV)

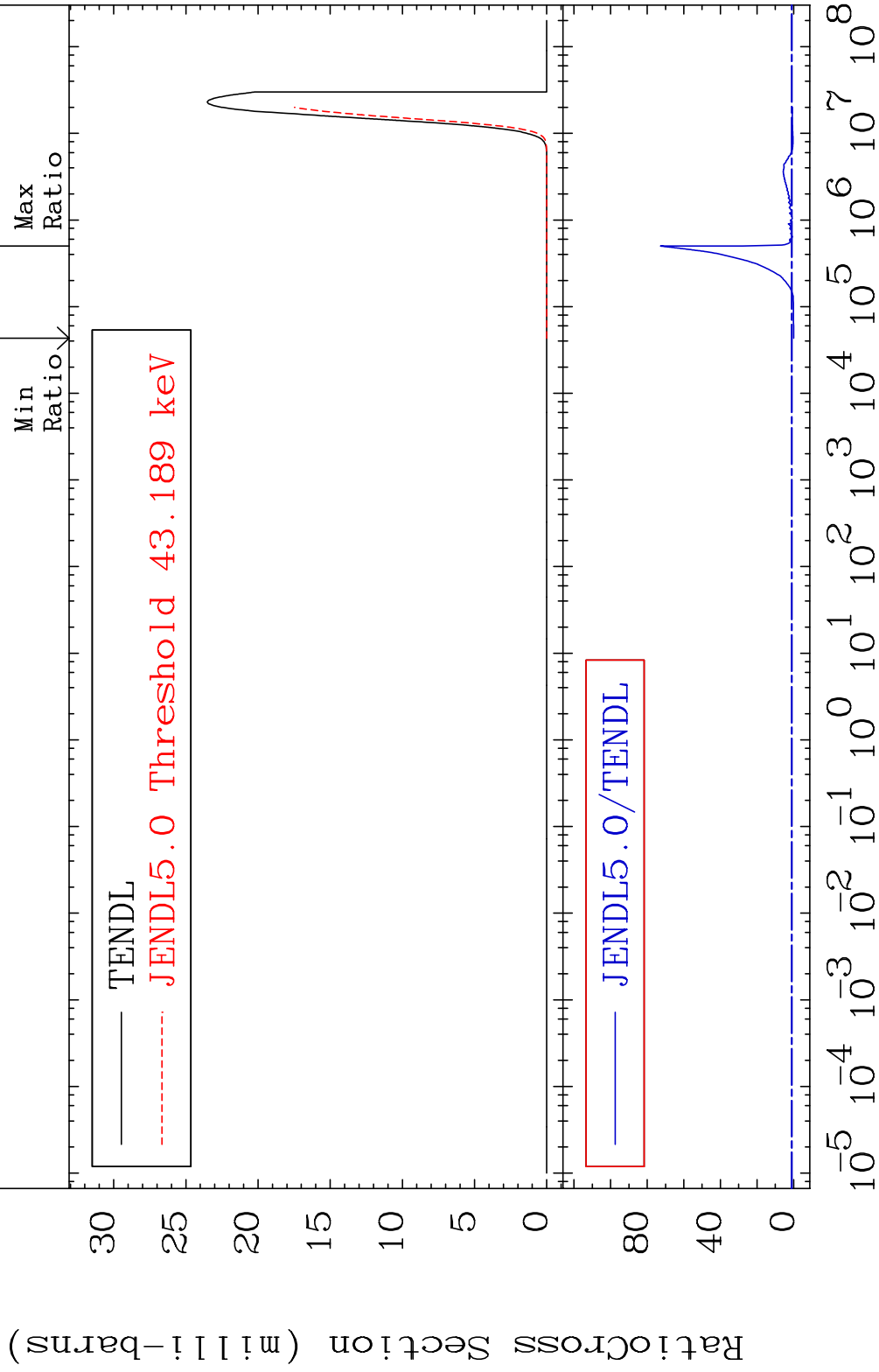
69-Tm-169

MAT 6925

(n,p)

69-Tm-169

Cross Section -100.0 To 7177. %



34

Incident Energy (eV)

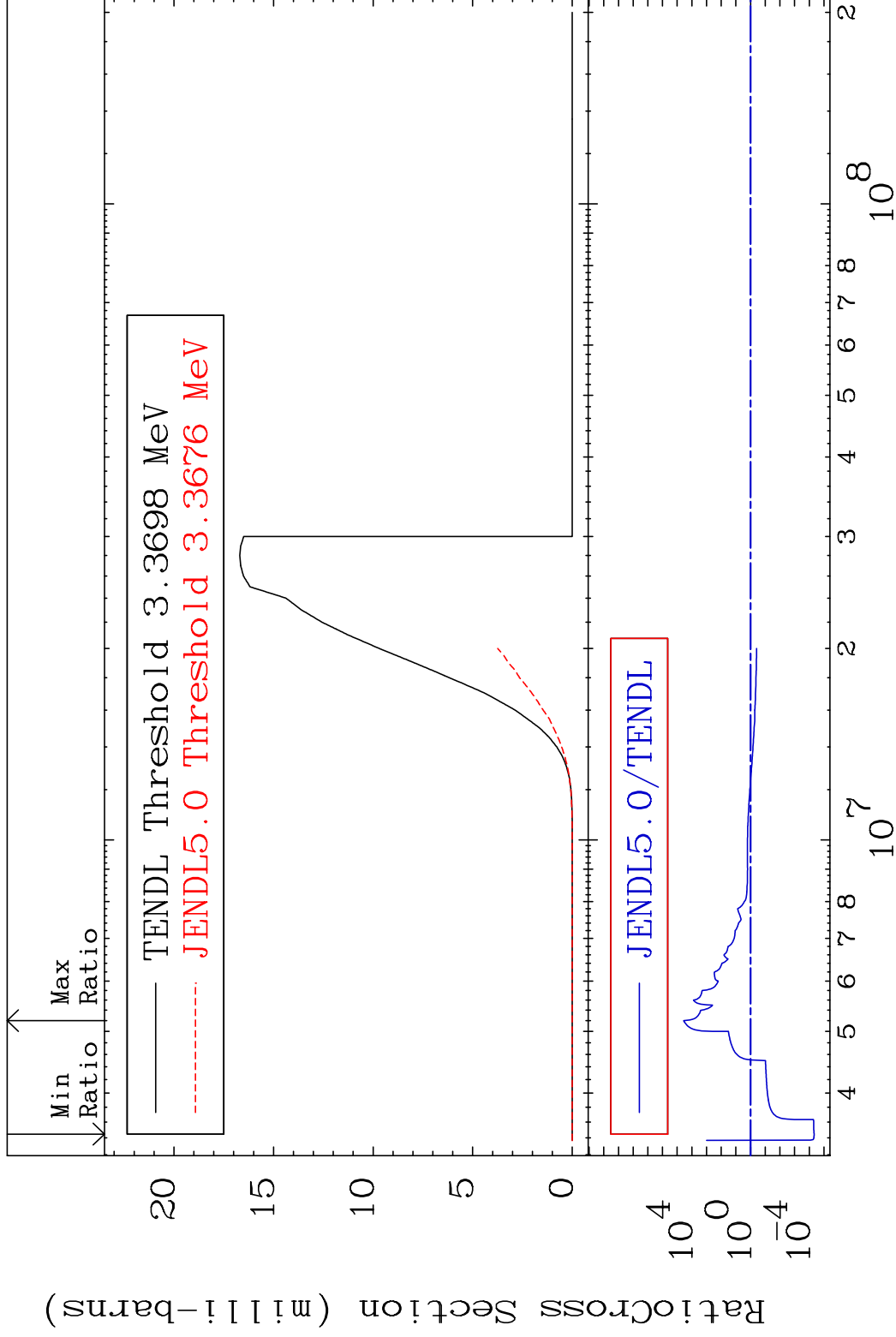
69-Tm-169

MAT 6925

(n,d)

69-Tm-169

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

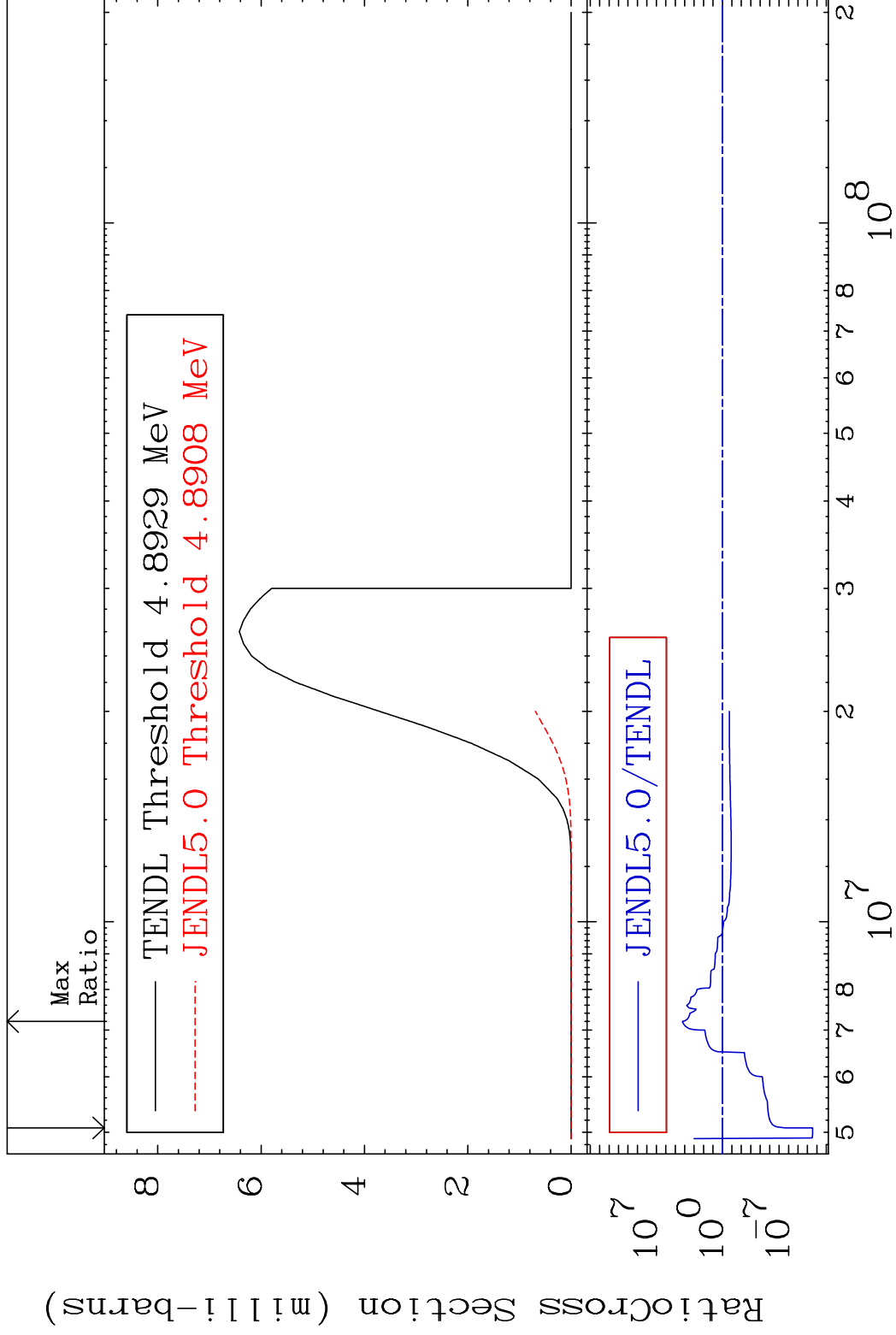
69-Tm-169

MAT 6925

(n, t)

69-Tm-169

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

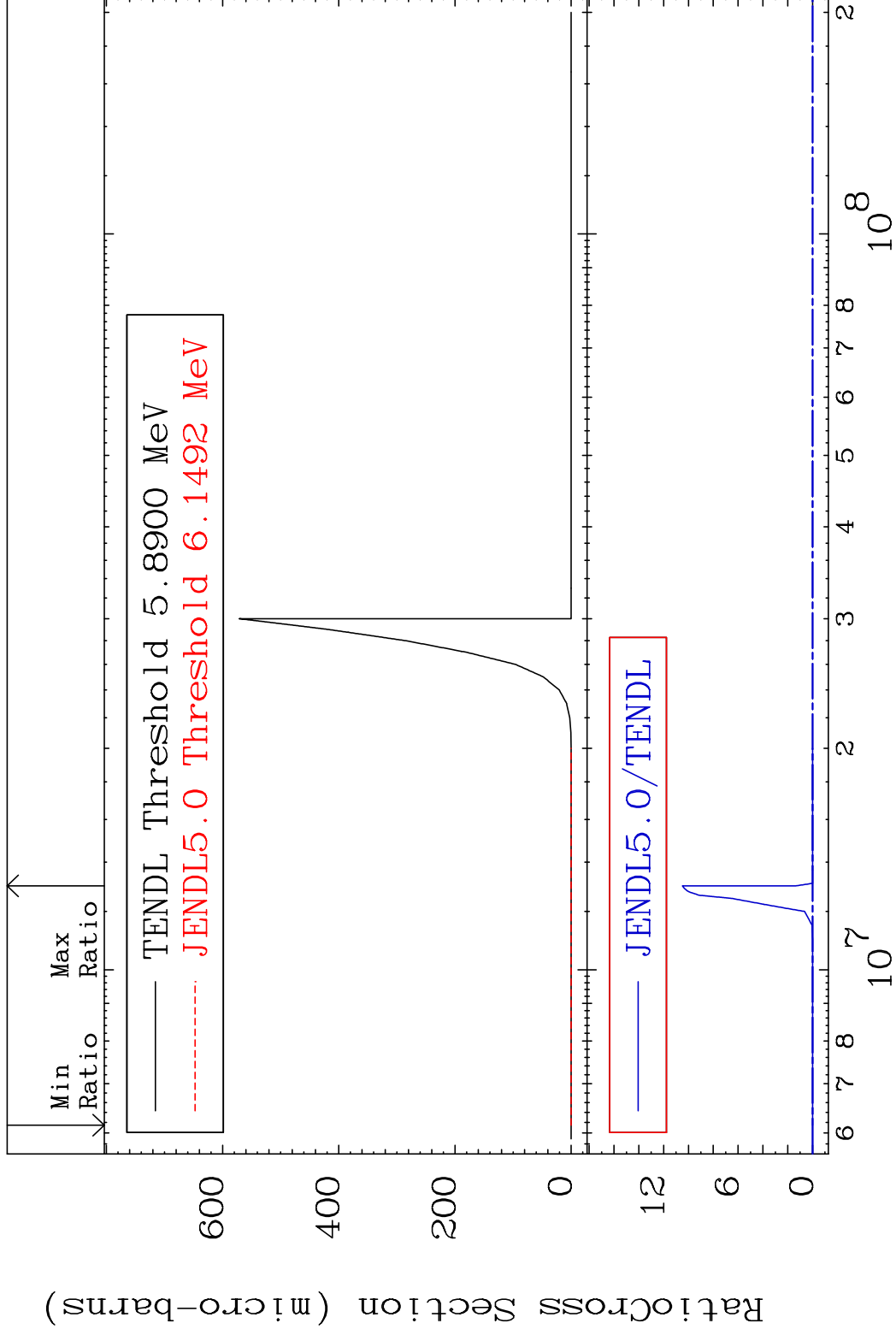
69-Tm-169

MAT 6925

(n, He-3)

69-Tm-169

Cross Section -100.0 To 9999. %



37

Incident Energy (eV)

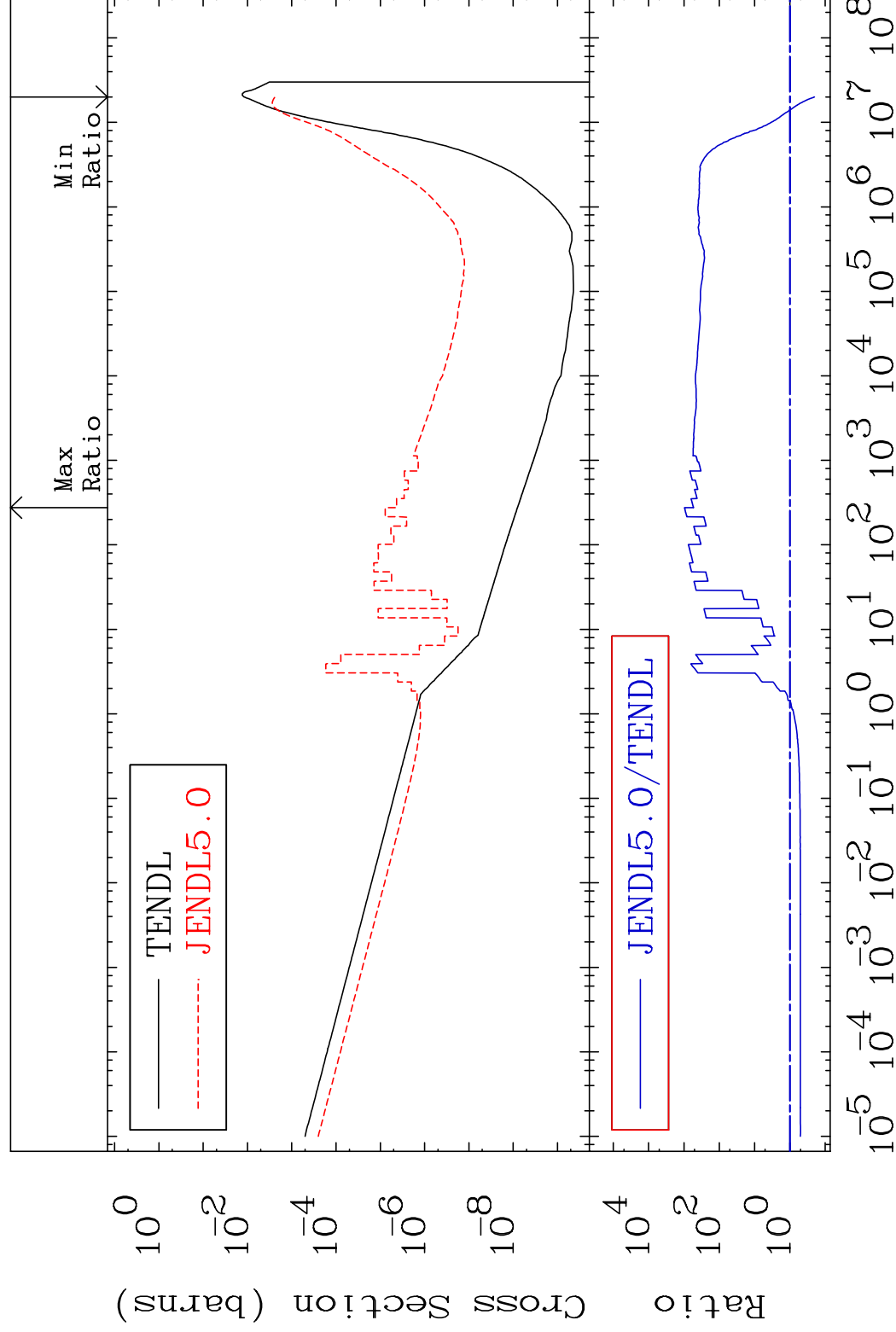
69-Tm-169

MAT 6925

69-Tm-169

(n,  $\alpha$ )

Cross Section -79.87 To 9999. %



38

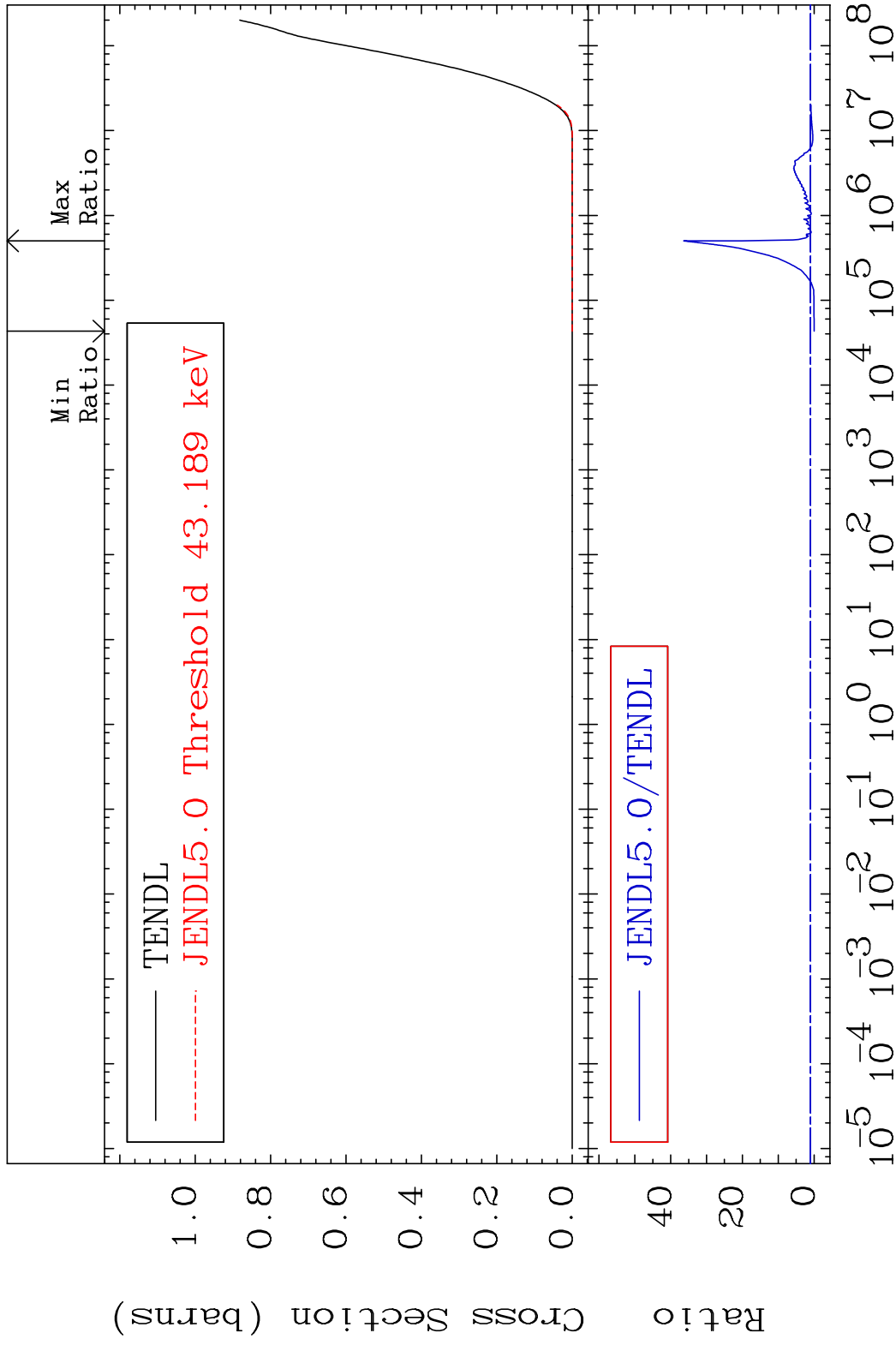
Incident Energy (eV)

69-Tm-169

MAT 6925

Hydrogen Production 69-Tm-169

Cross Section -100.0 To 3538. %



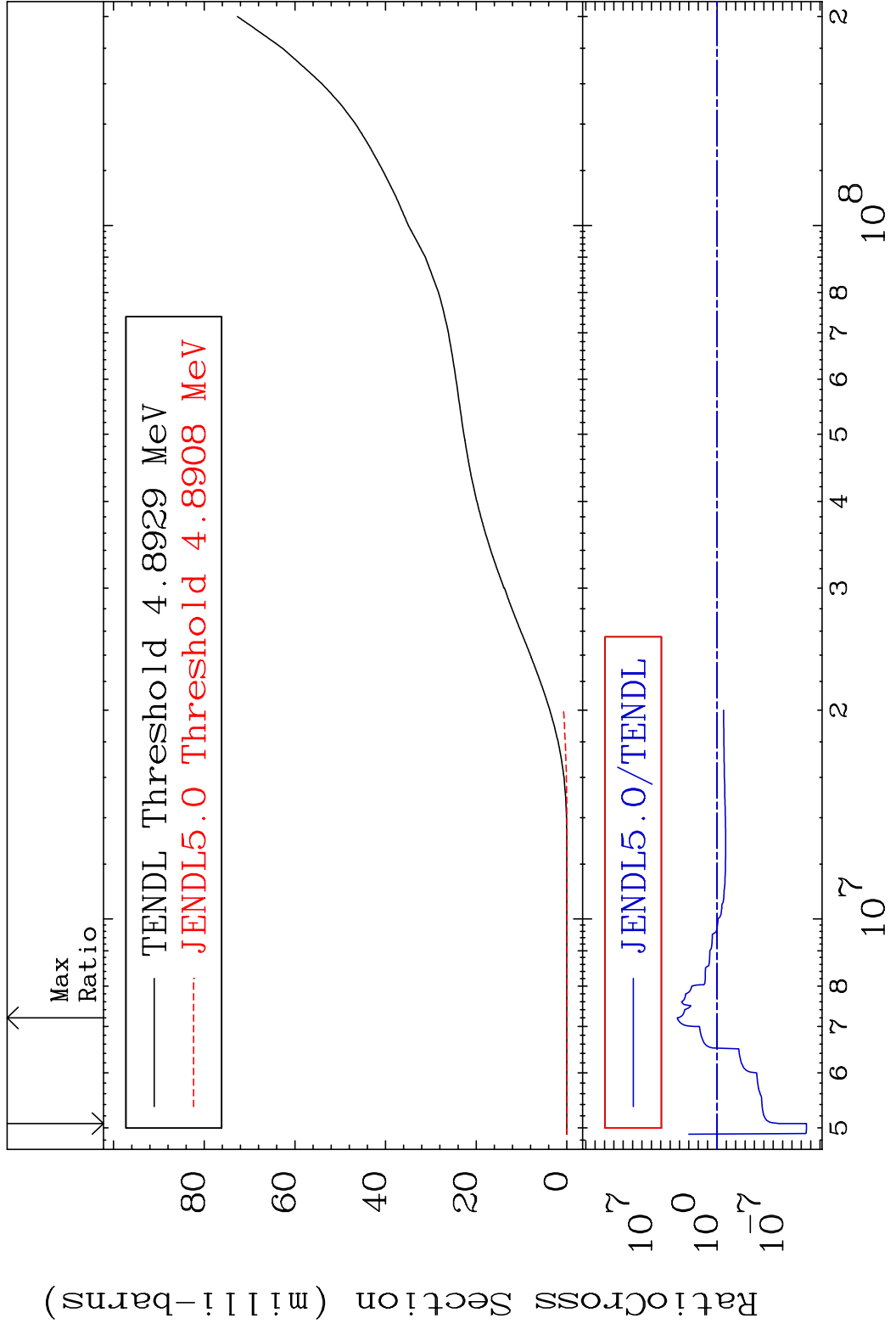
39

Incident Energy (eV)

69-Tm-169



MAT 6925 Tritium Production 69-Tm-169  
 Cross Section -100.0 To 9999. %

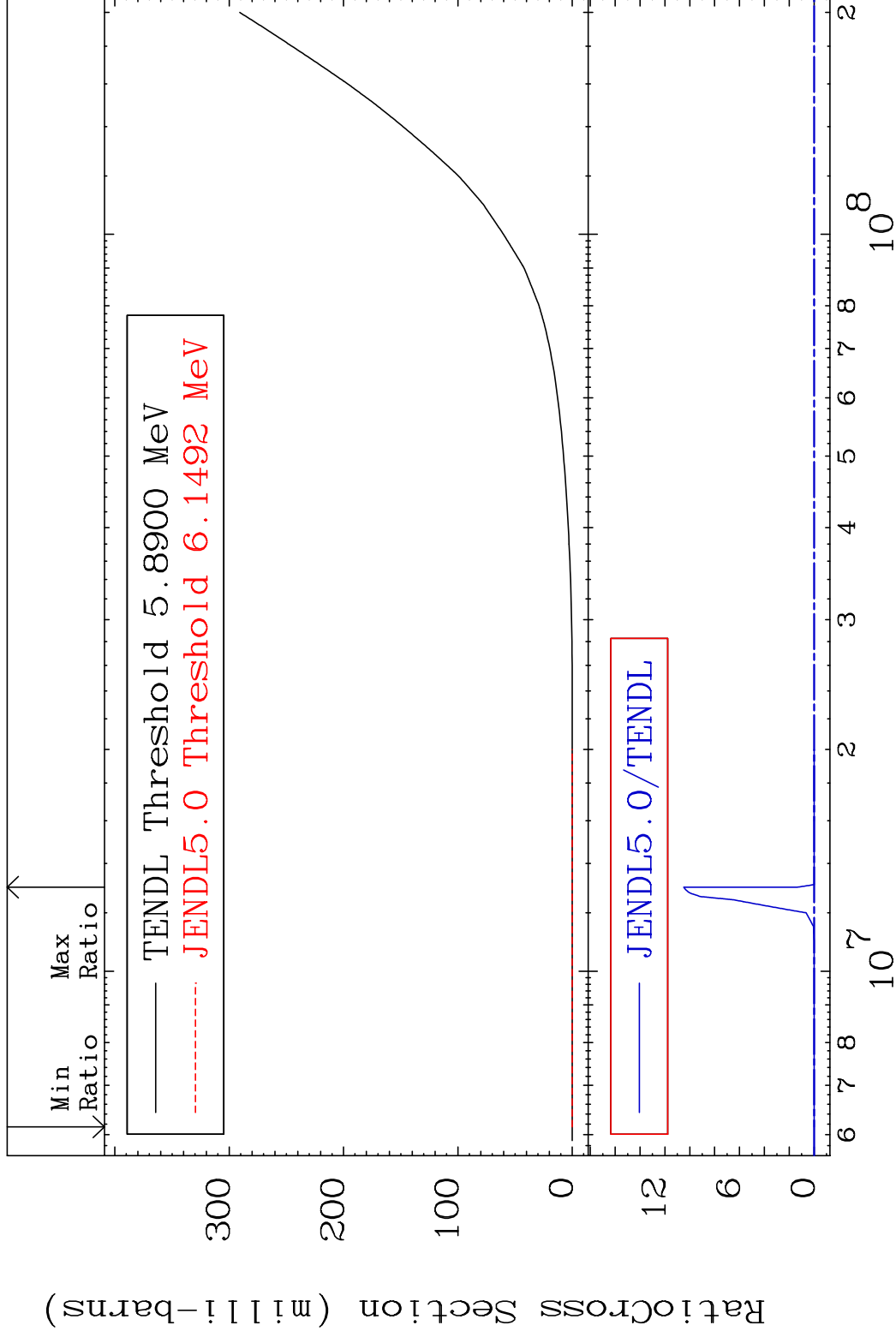


MAT 6925

He-3 Production

69-Tm-169

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

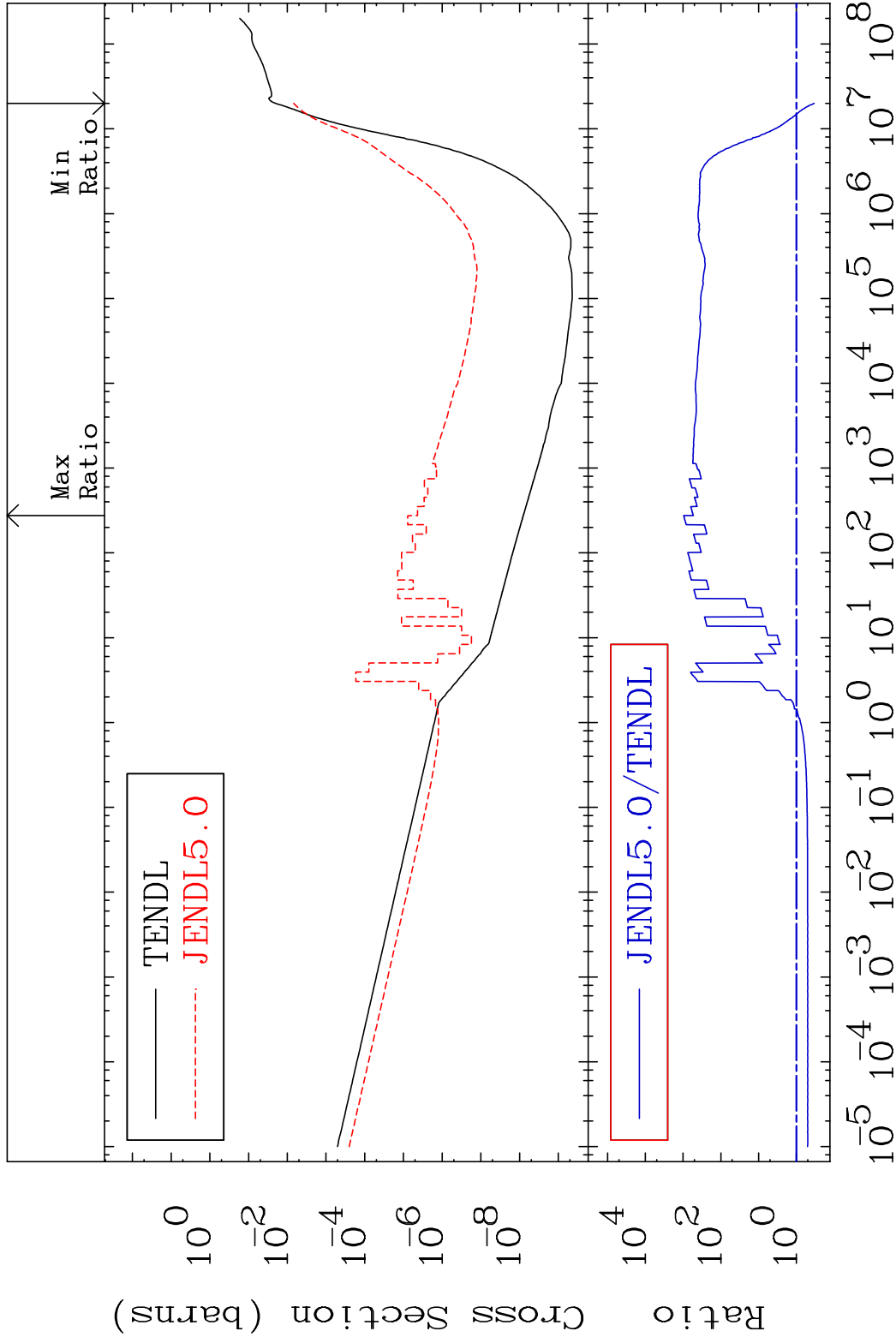
69-Tm-169

MAT 6925

He-4 Production

69-Tm-169

Cross Section -66.12 To 9999. %

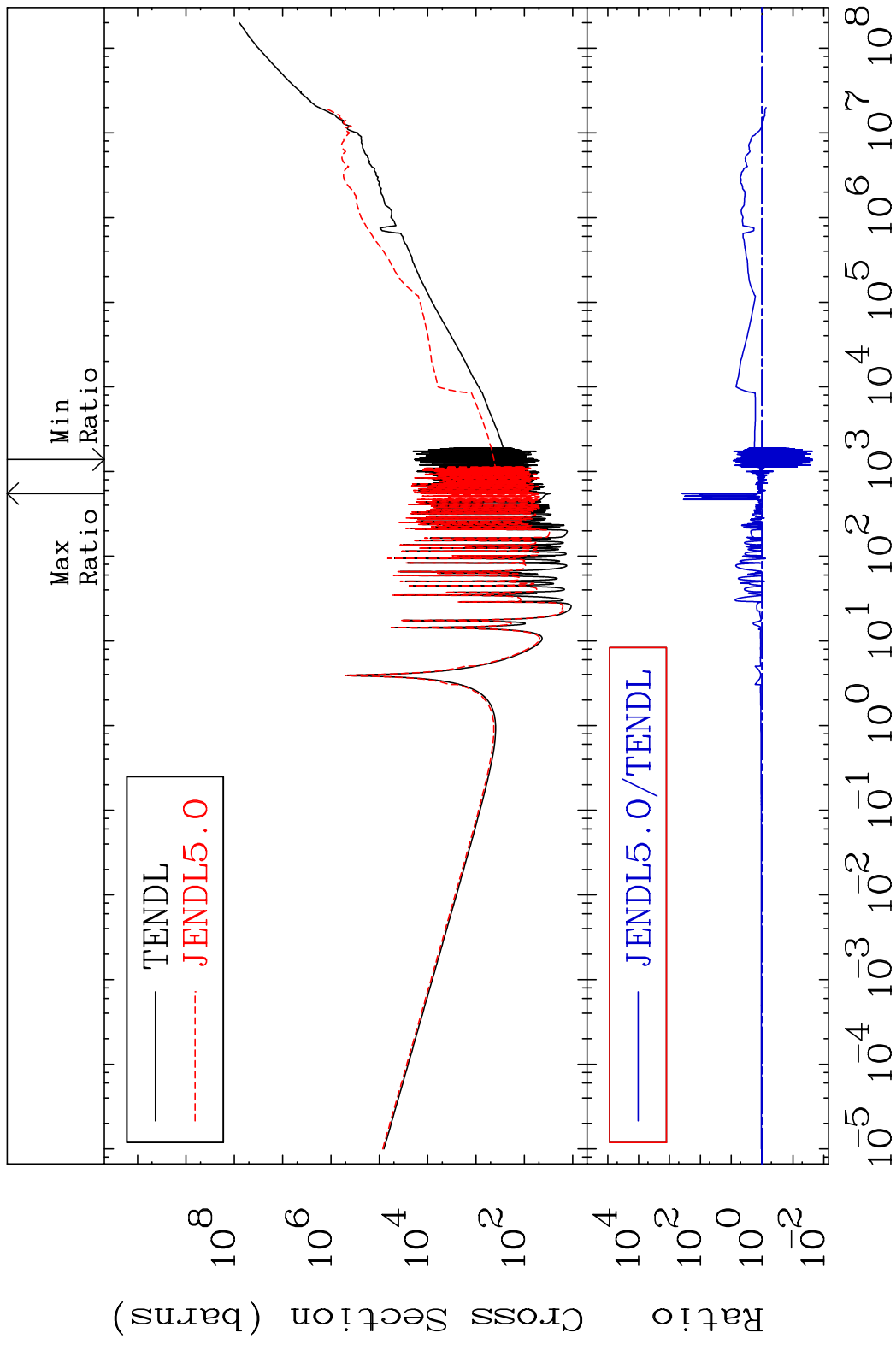


43

Incident Energy (eV)

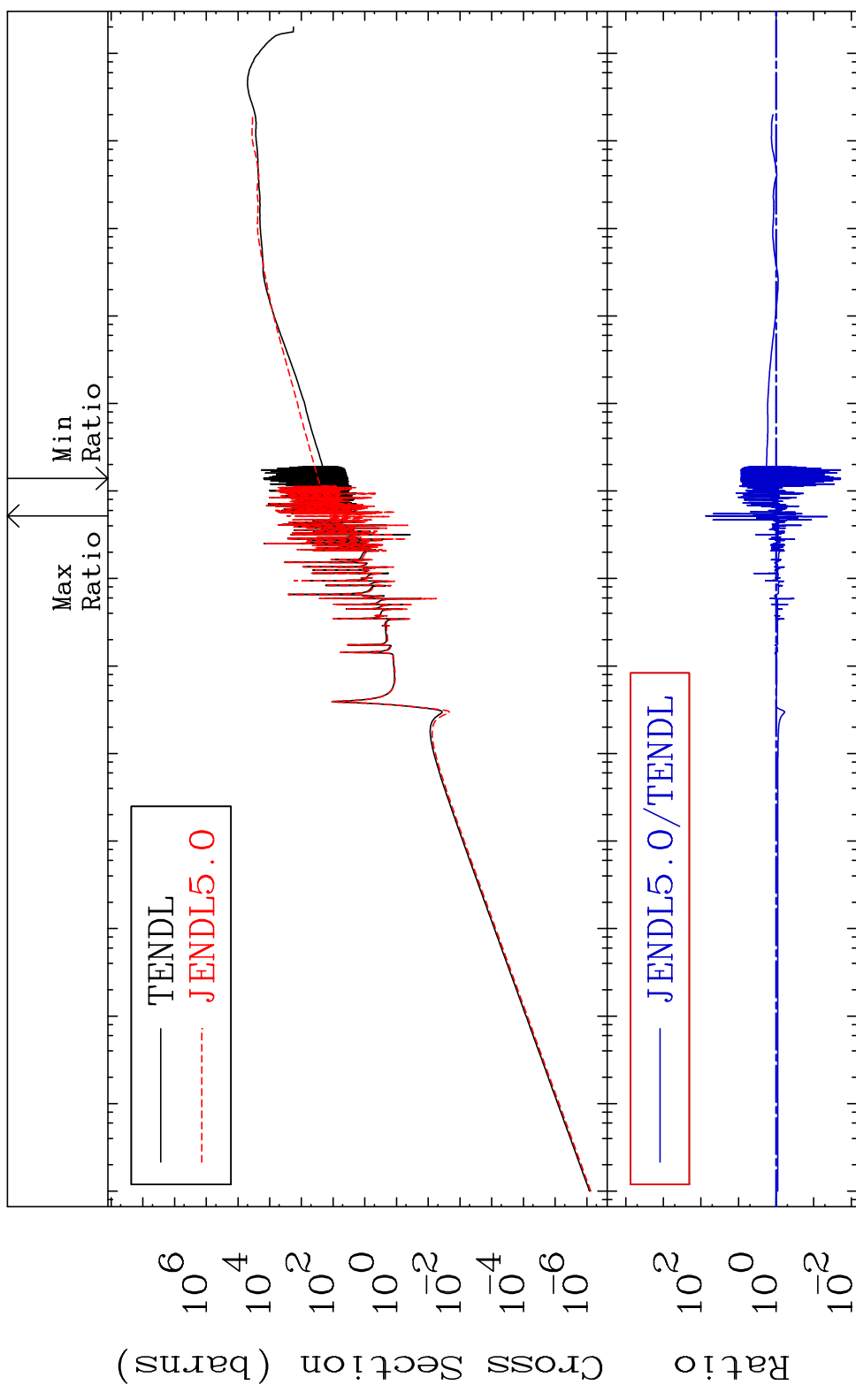
69-Tm-169

MAT 6925 Kerma total (eV-barns) 69-Tm-169  
Cross Section -97.69 To 9999. %



MAT 6925

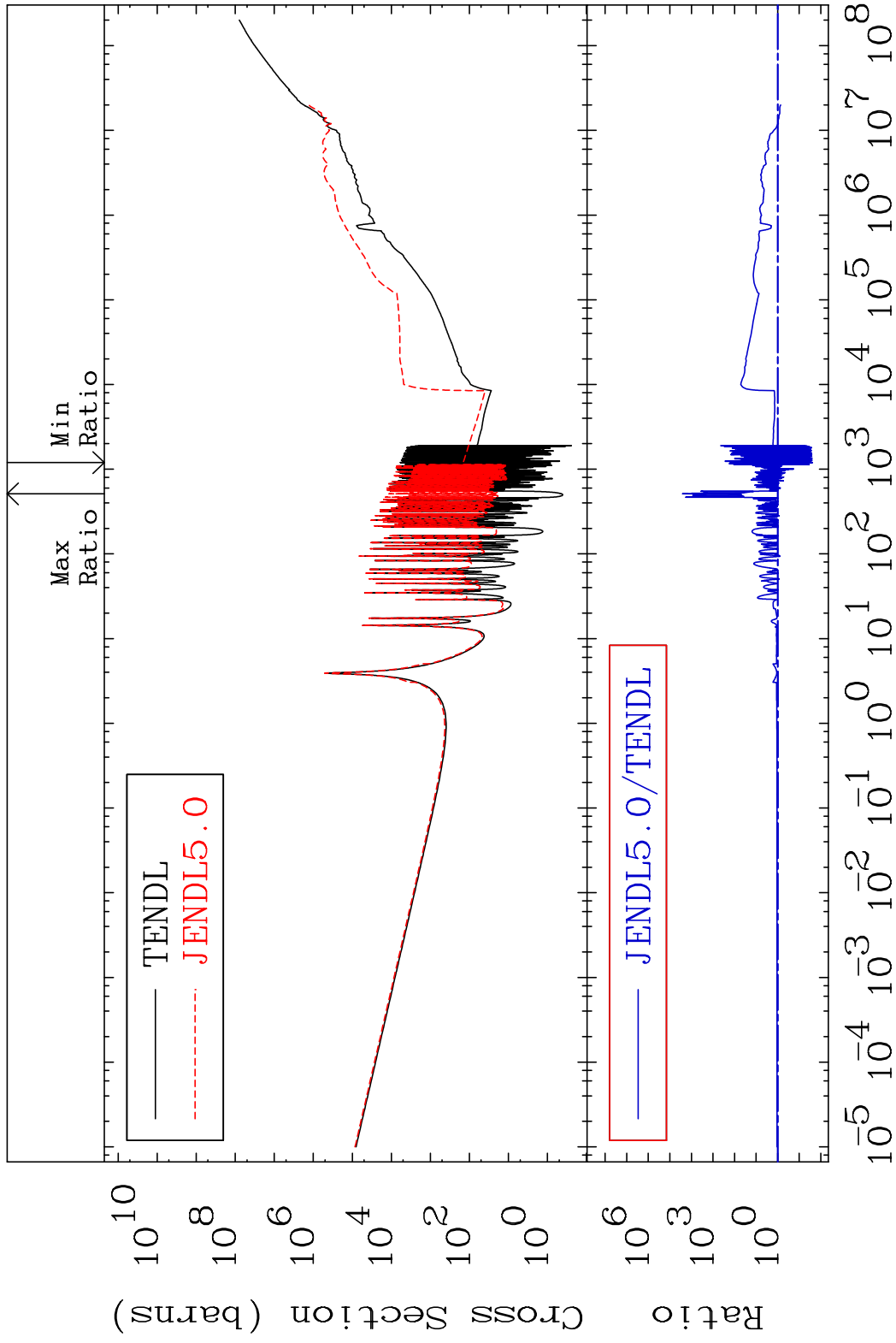
Kerma elastic Cross Section -98.06 To 7330. %  
69-Tm-169



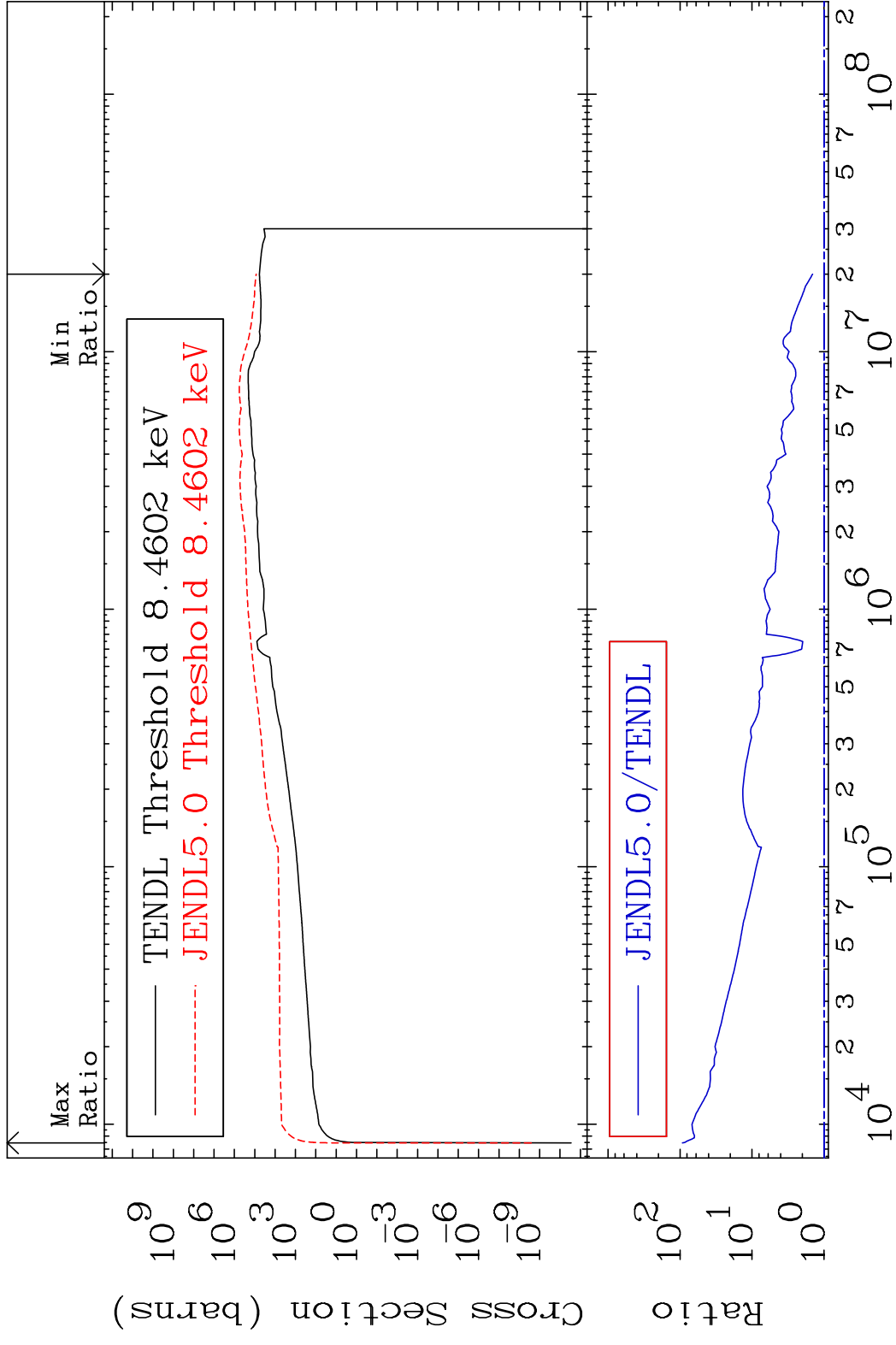
45

Incident Energy (eV) 69-Tm-169

MAT 6925 Kerma non-elastic (all but mt2) 69-Tm-169  
 Cross Section -97.58 To 9999. %

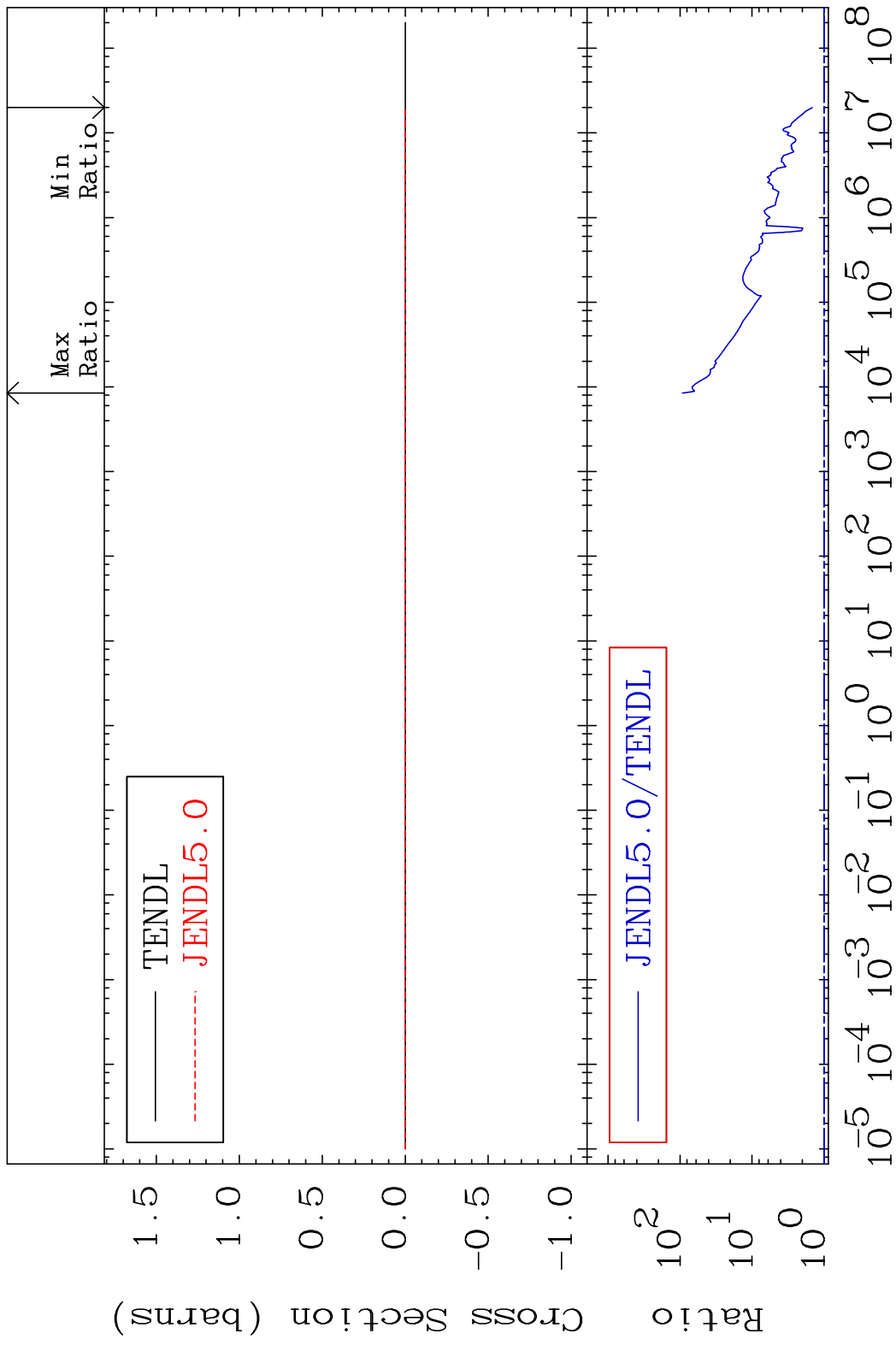


MAT 6925 Kerma inelastic (mt51-91) 69-Tm-169  
 Cross Section 44.50 To 9186. %



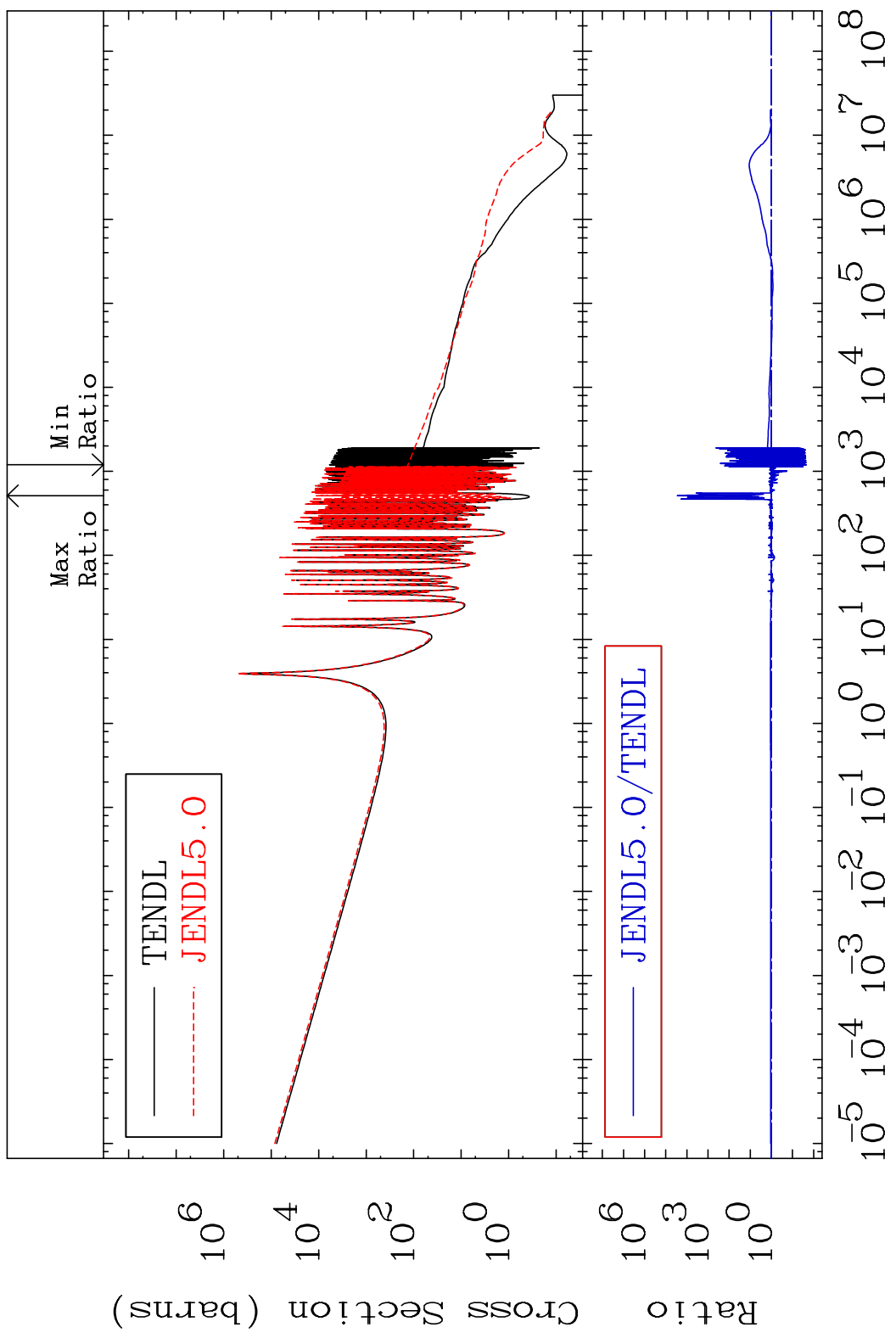
47 Incident Energy (eV) 69-Tm-169

MAT 6925 Kerma fission (mt18 or mt19-20-21-38) 69-Tm-169  
 Cross Section 44.50 To 9186. %



MAT 6925

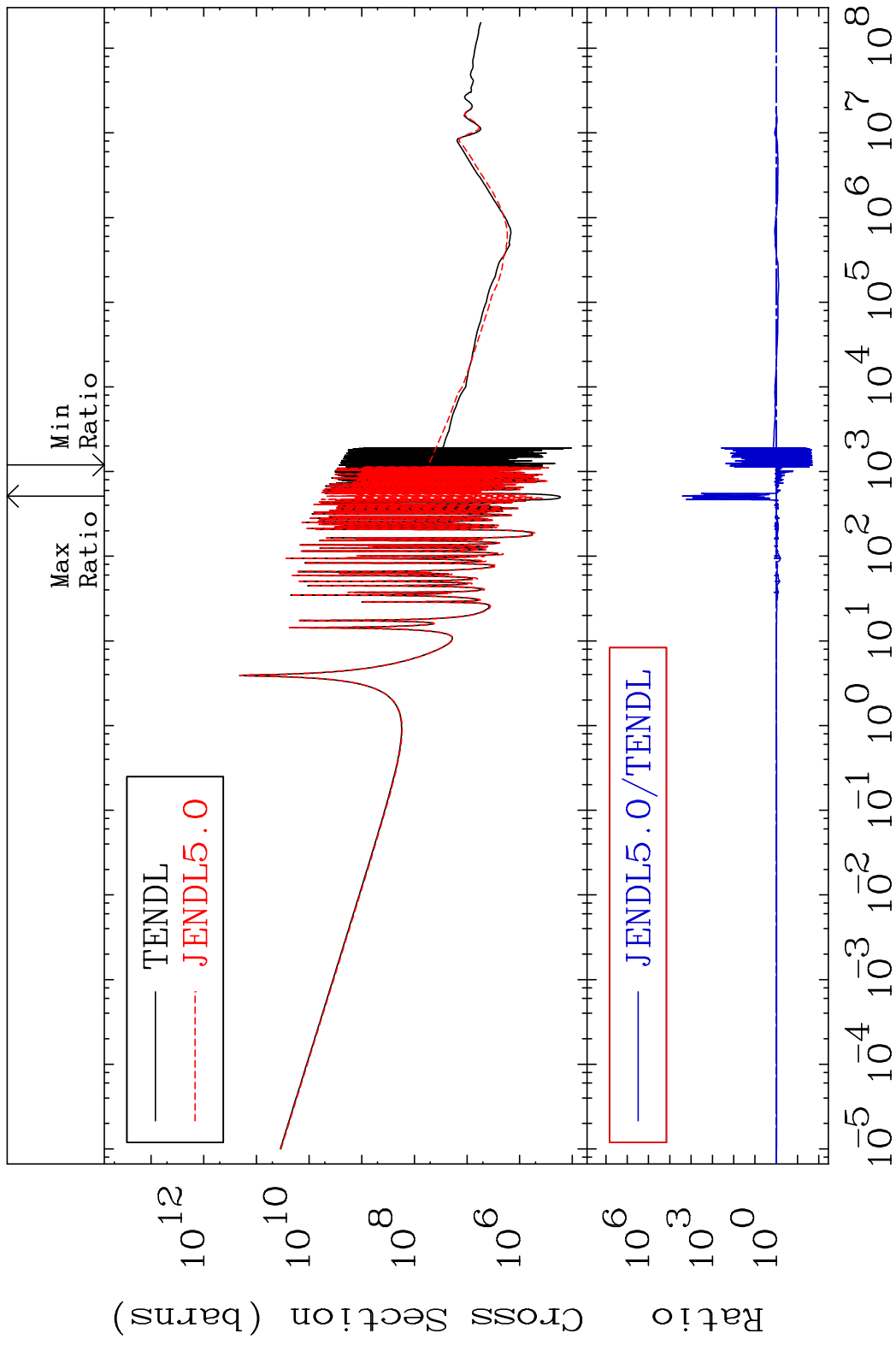
Kerma capture (mt102) 69-Tm-169  
Cross Section -97.80 To 9999. %



49

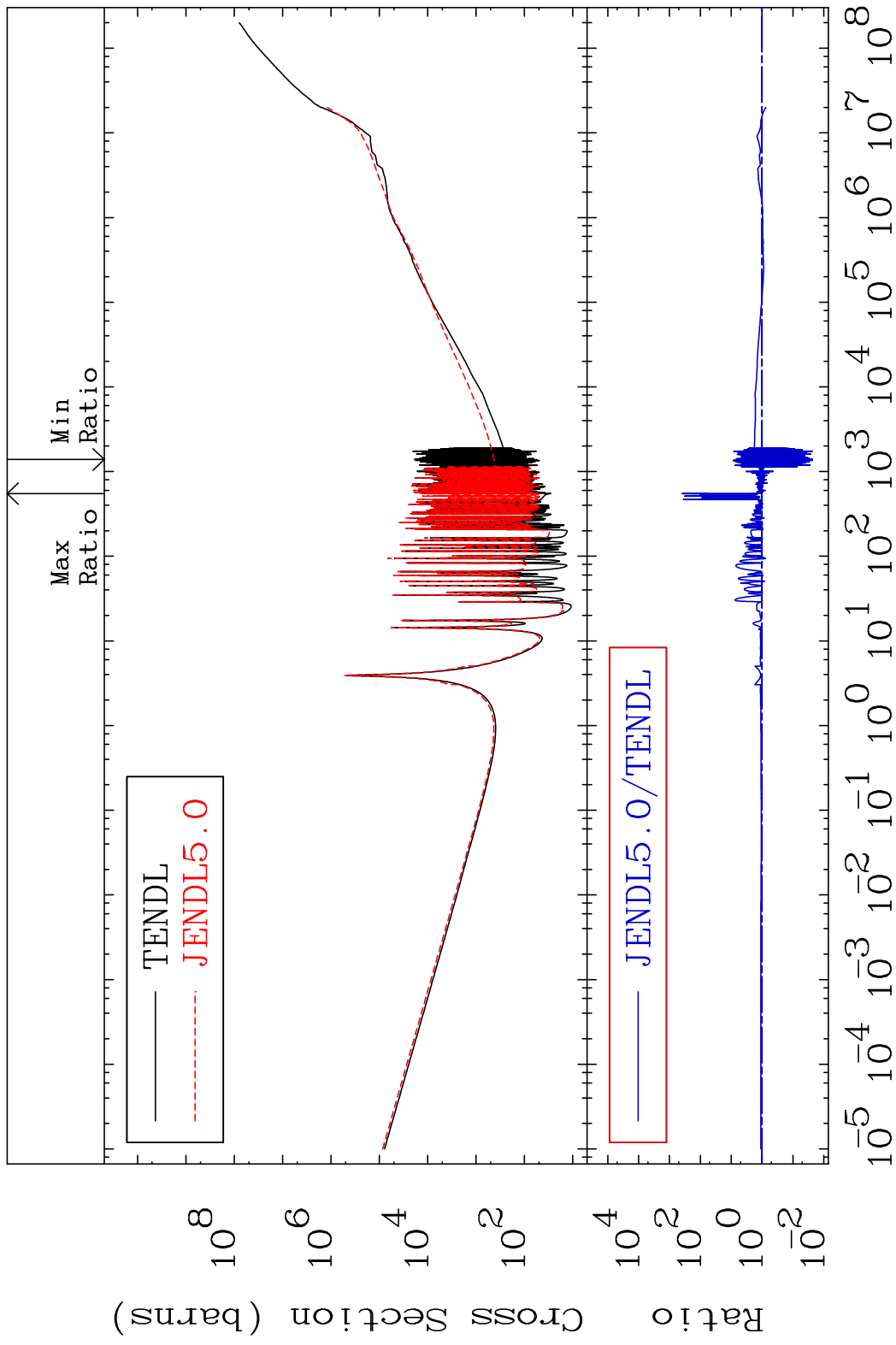
Incident Energy (eV) 69-Tm-169

MAT 6925 Total photon (eV-barns) 69-Tm-169  
 Cross Section -98.03 To 9999. %



50 Incident Energy (eV) 69-Tm-169

MAT 6925 Total kinematic kerma (high limit) 69-Tm-169  
Cross Section -97.69 To 9999. %

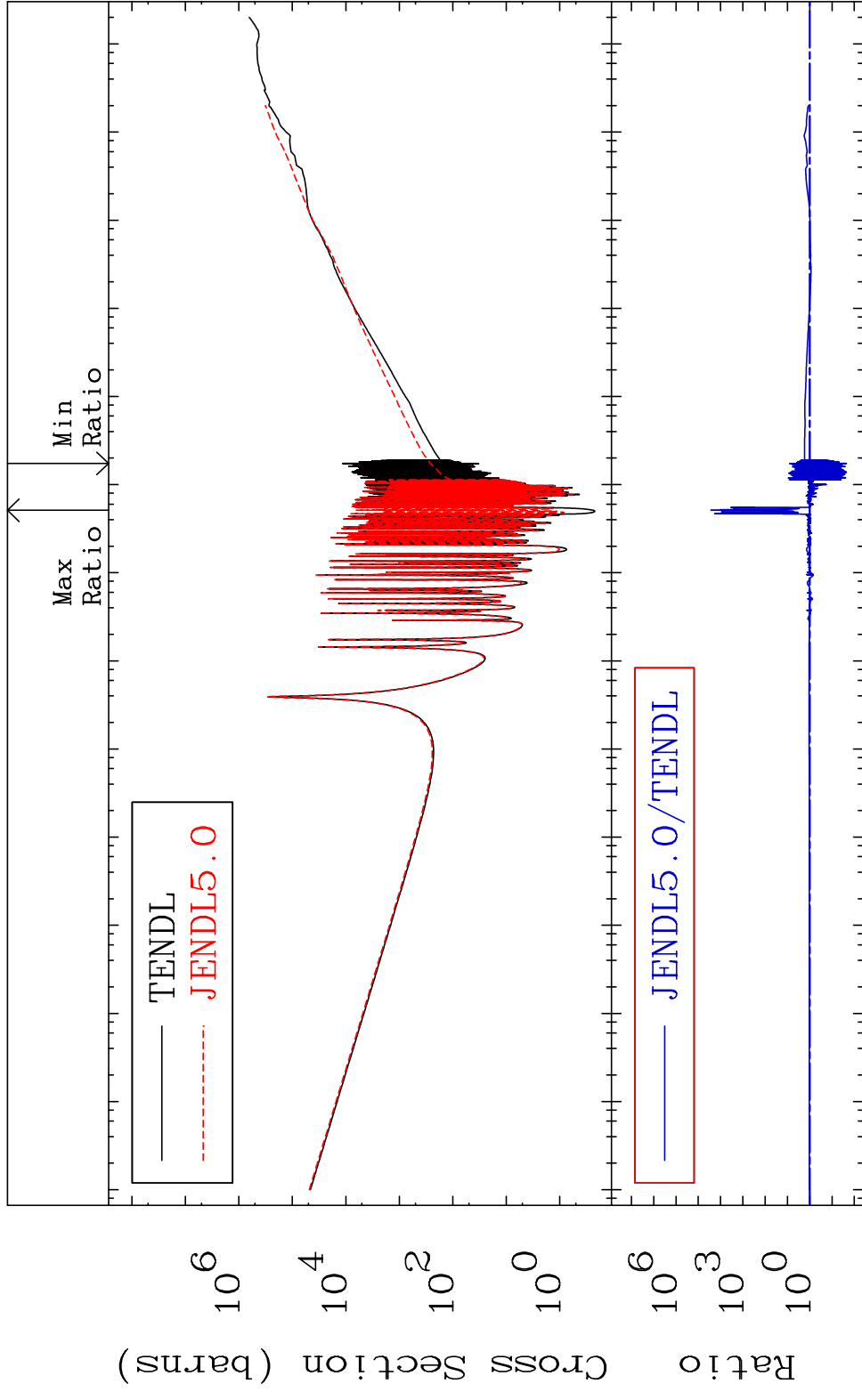


MAT 6925

Dpa total (eV-barns)

69-Tm-169

Cross Section -97.72 To 9999. %



52

Incident Energy (eV)

69-Tm-169

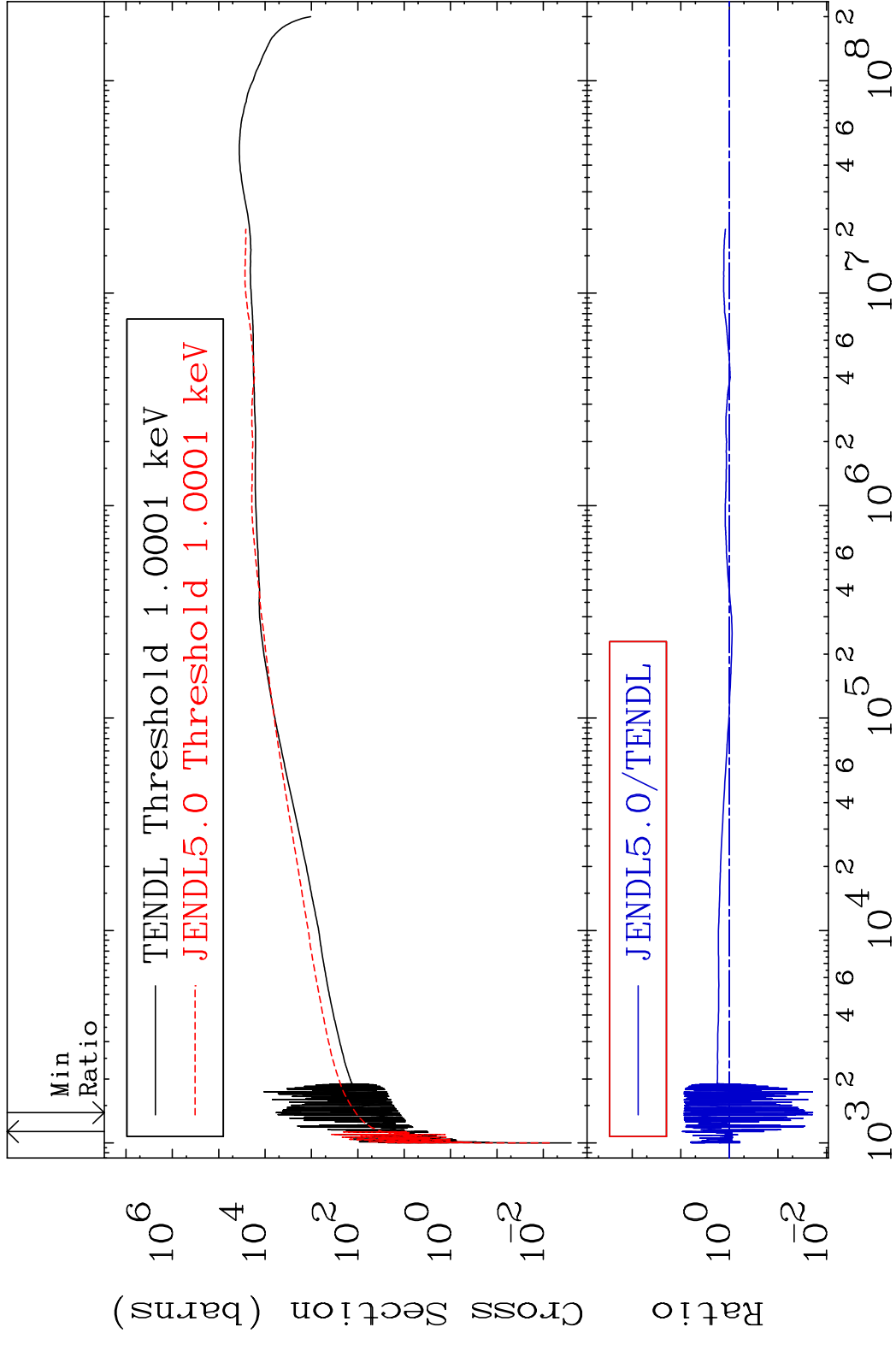
MAT 6925

Dpa elastic (mt2)

69-Tm-169

Cross Section

-98.06 To 831.8 %

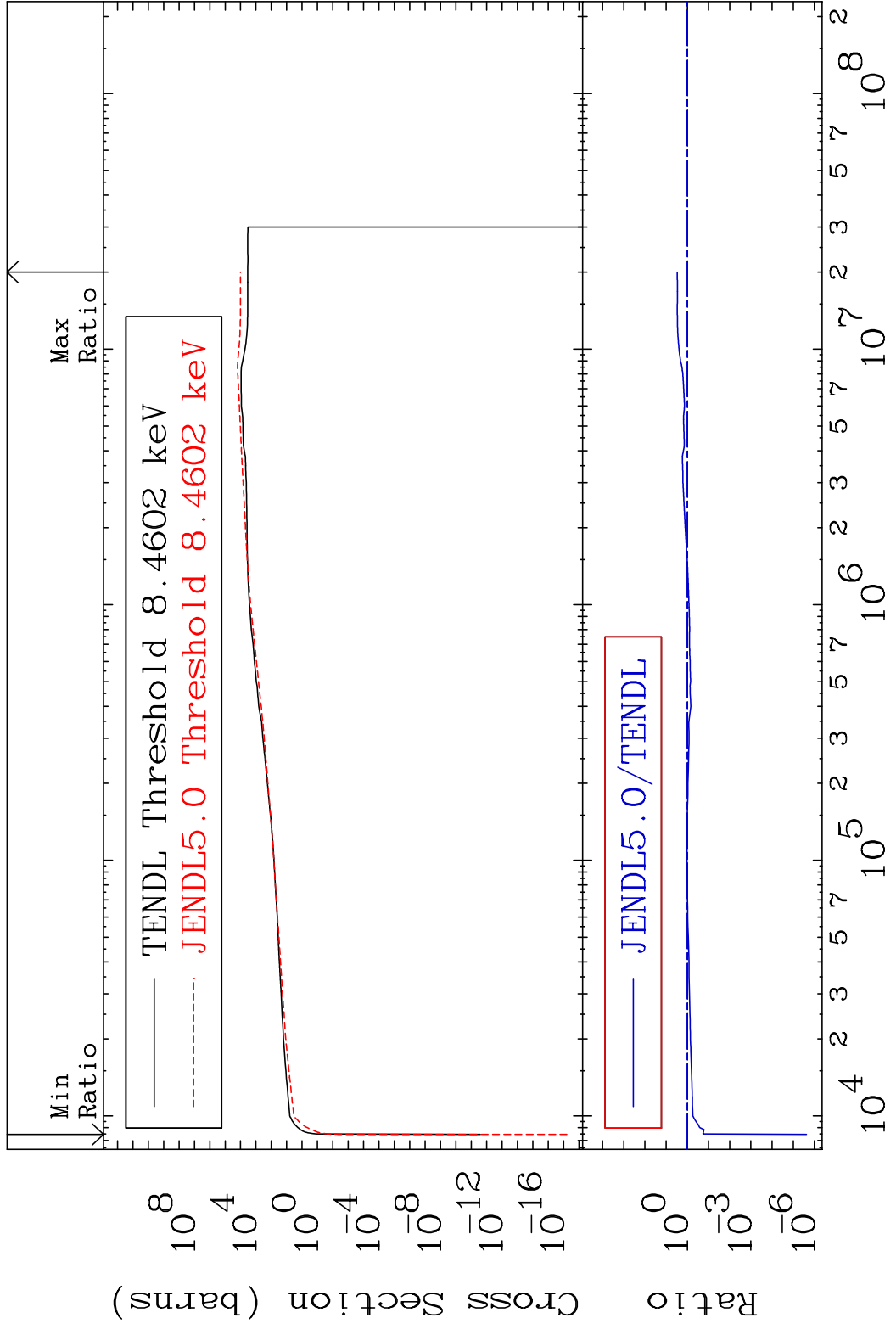


53

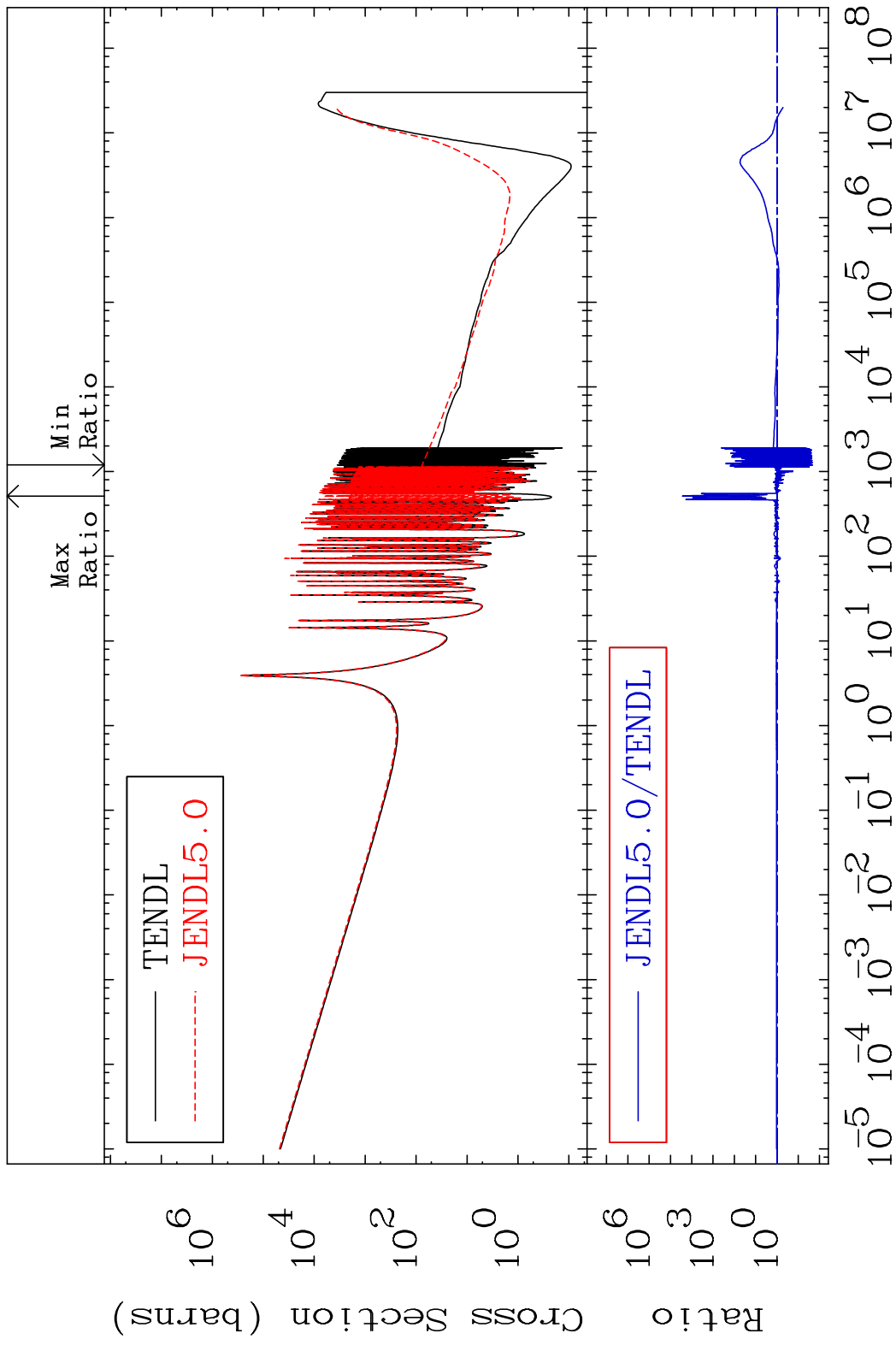
Incident Energy (eV)

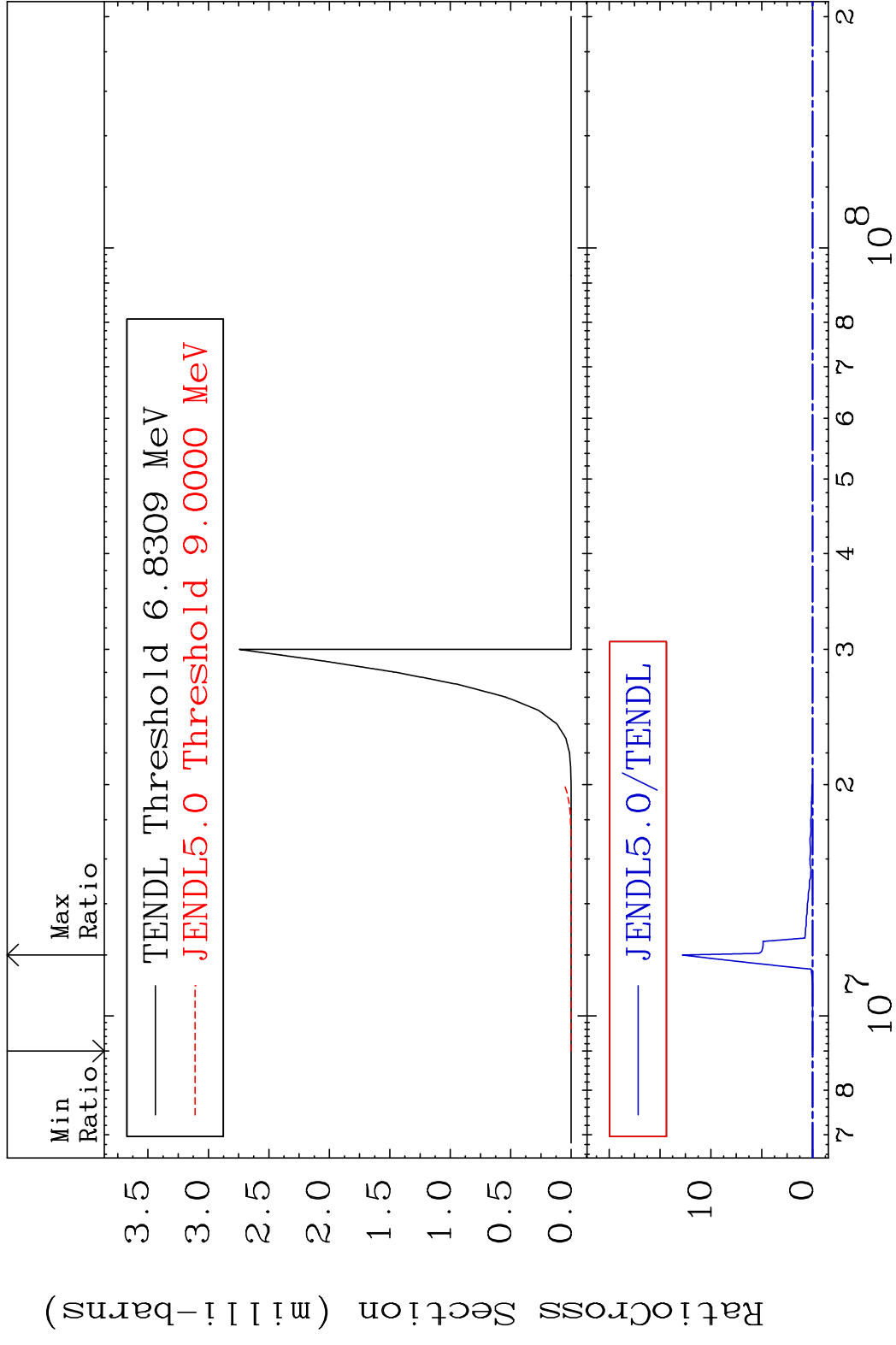
69-Tm-169

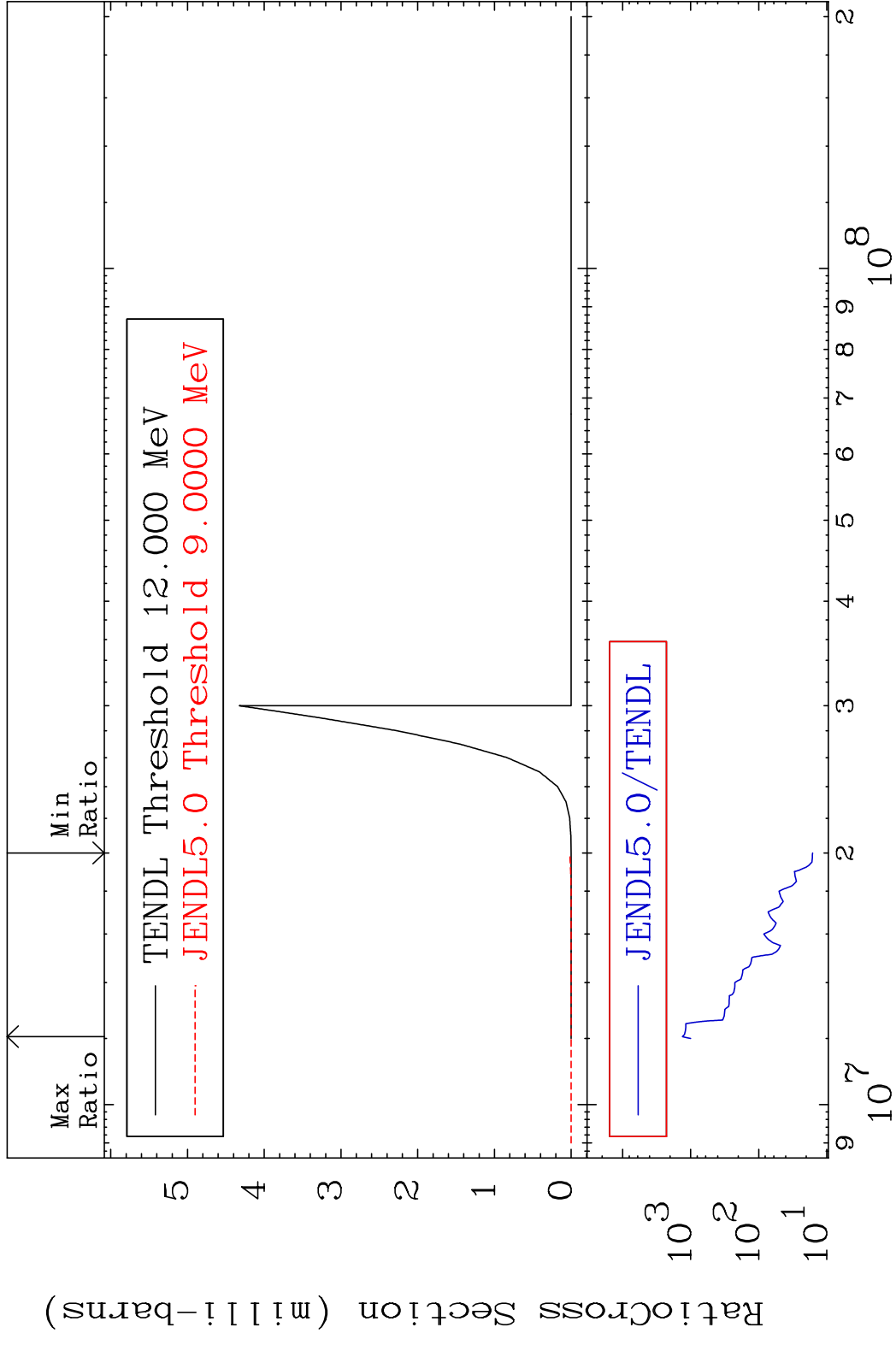
MAT 6925 Dpa inelastic (mt51-91) 69-Tm-169  
 Cross Section -100.0 To 200.2 %

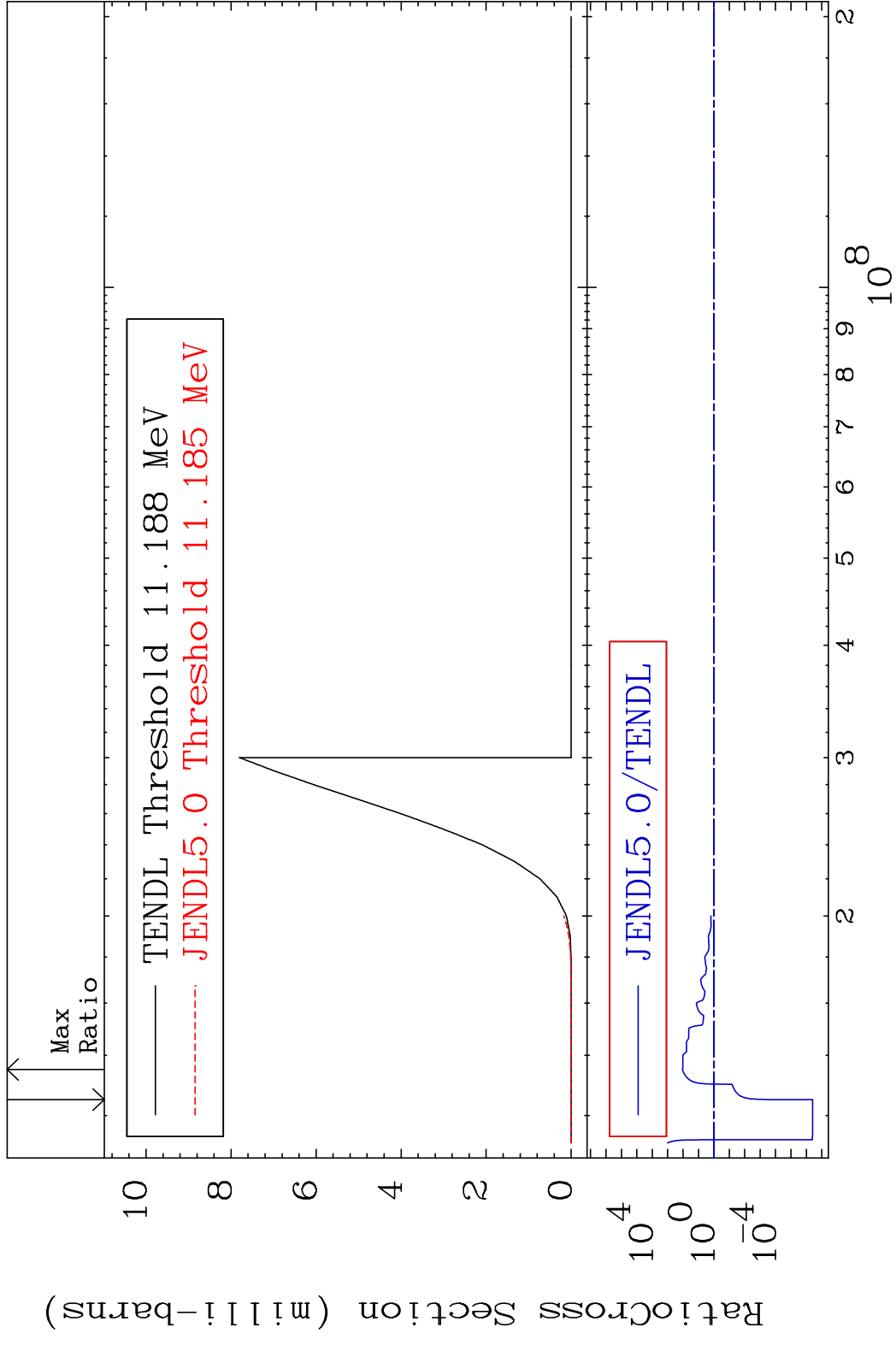


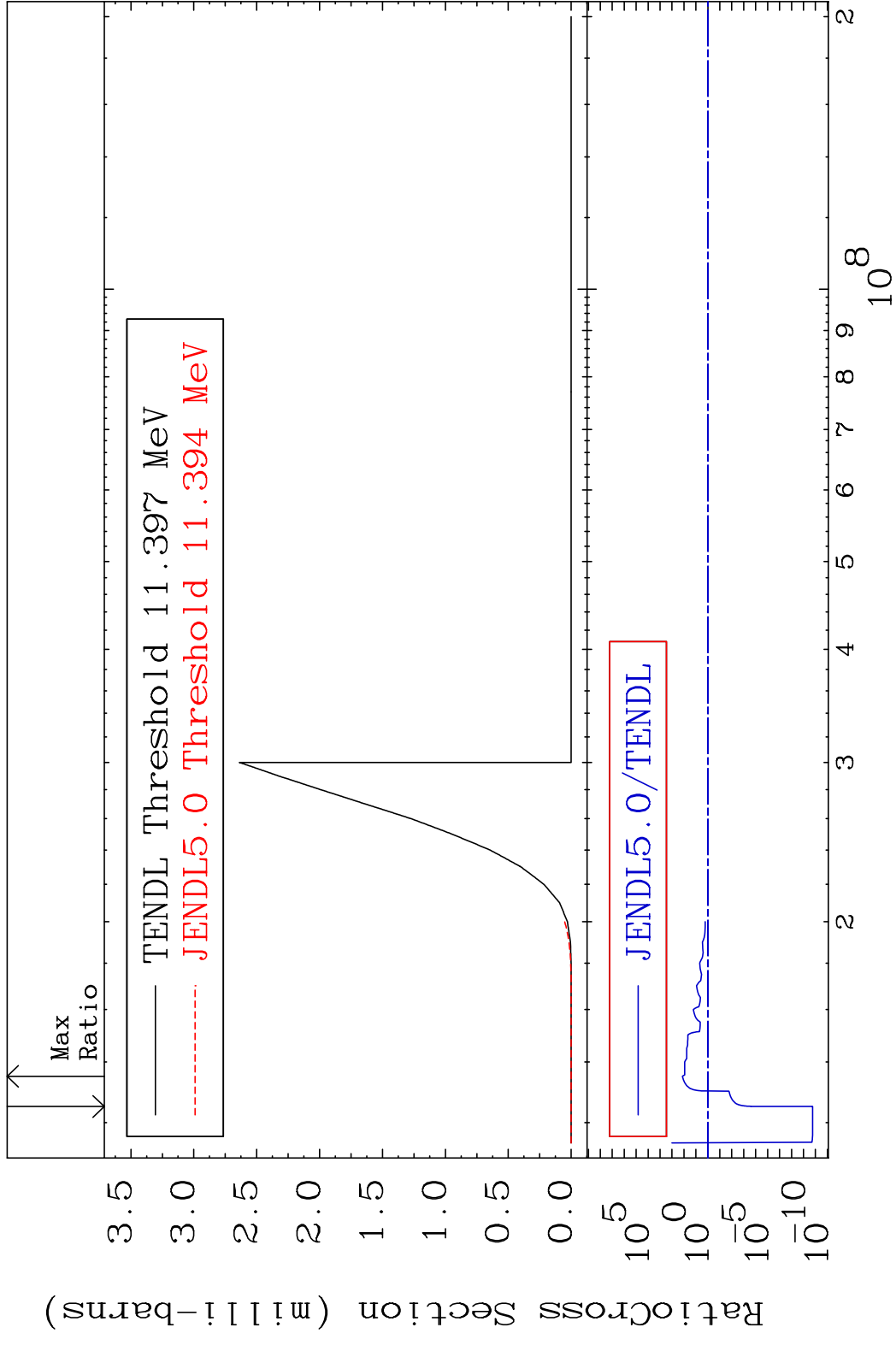
MAT 6925 Dpa disappearance (mt102 -120) 69-Tm-169  
 Cross Section -97.87 To 9999. %

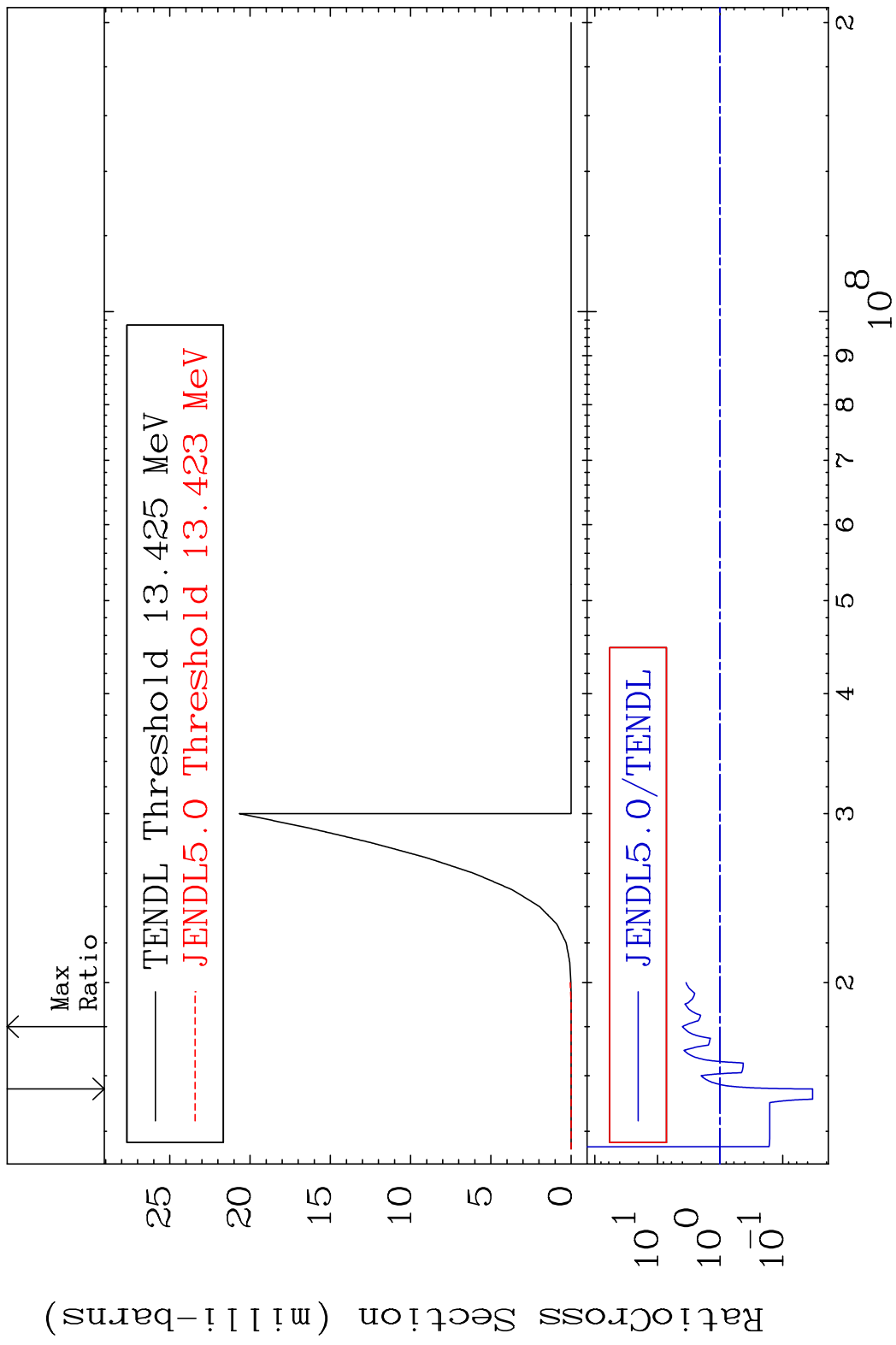


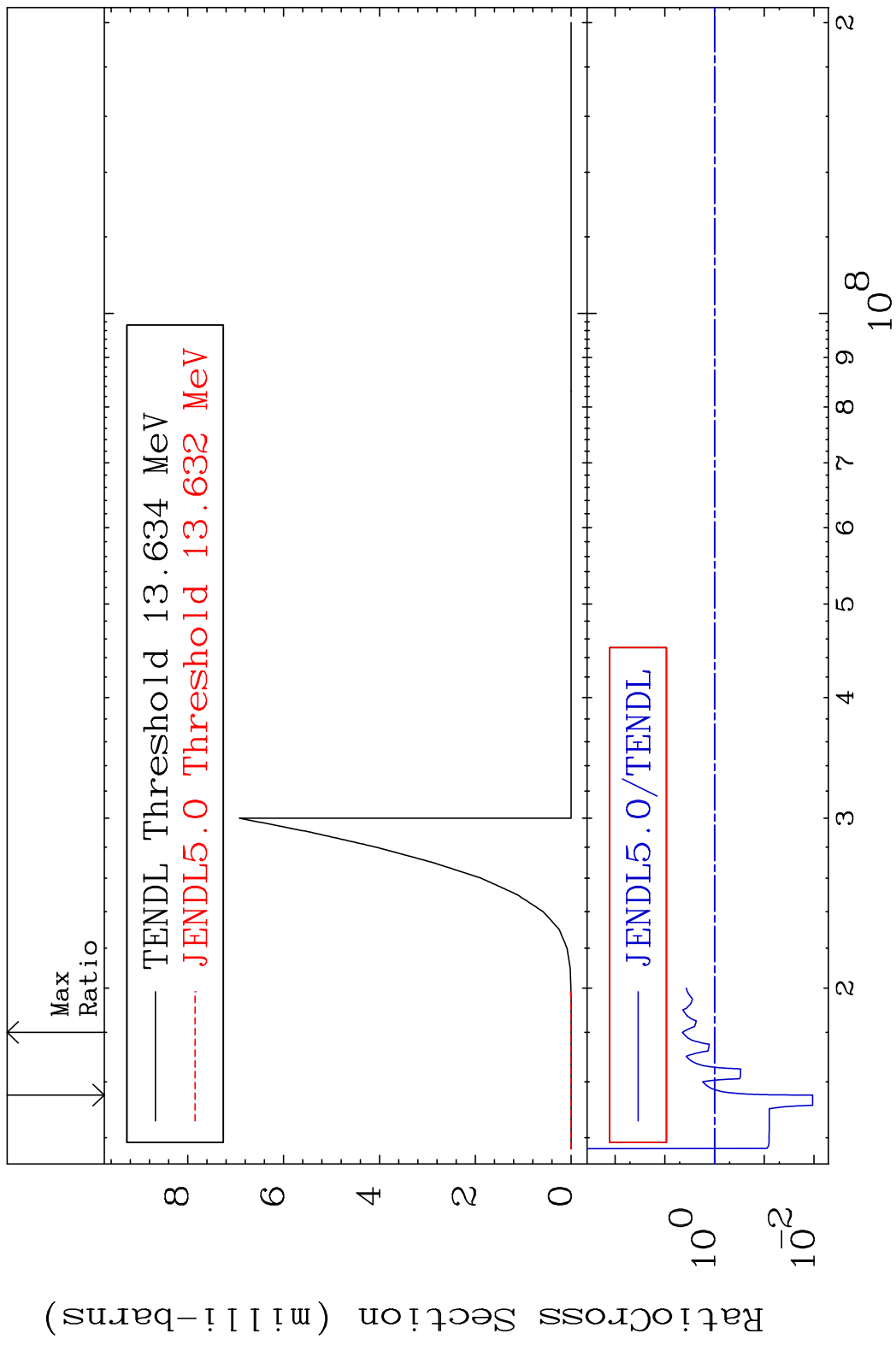


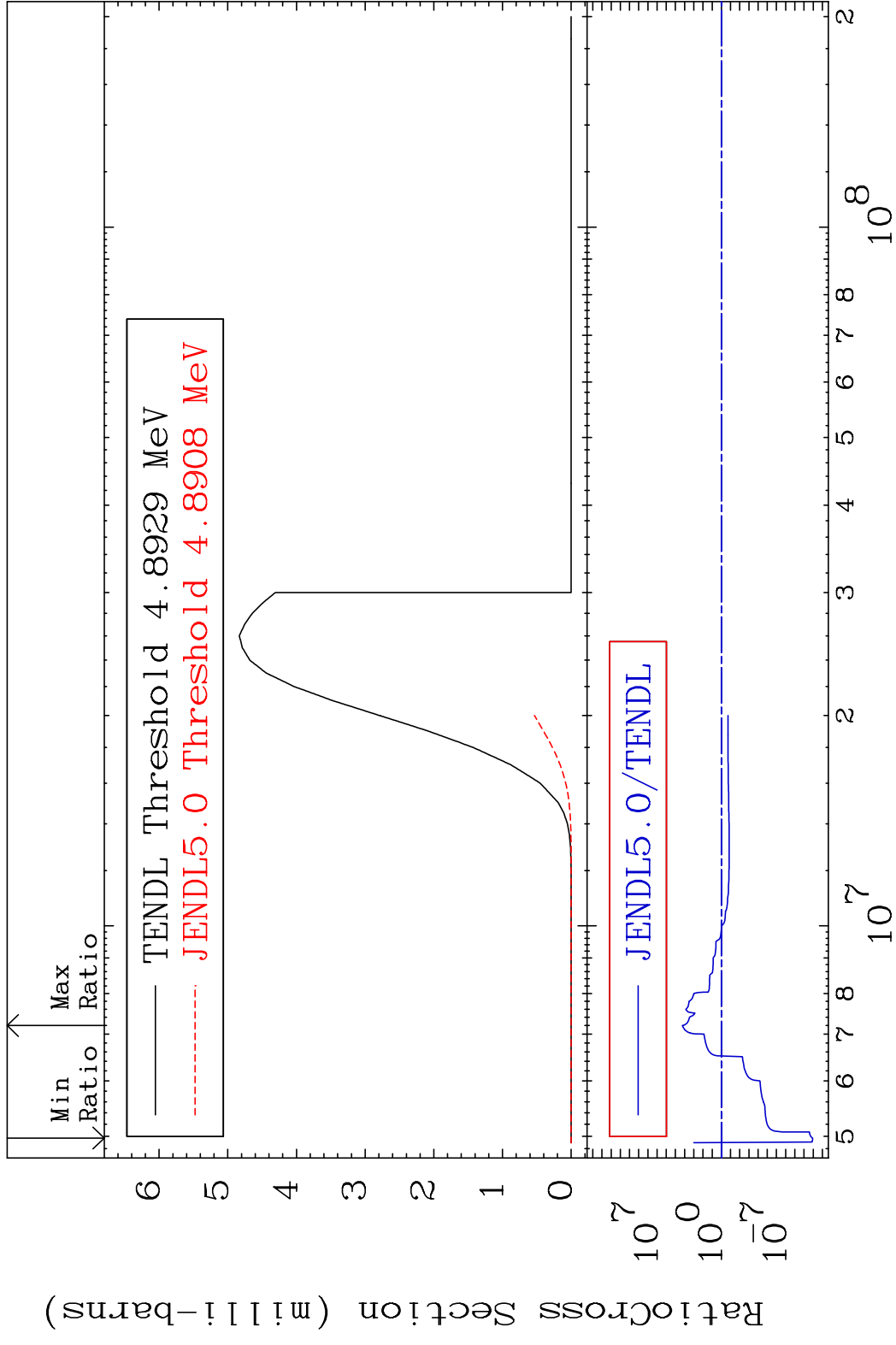


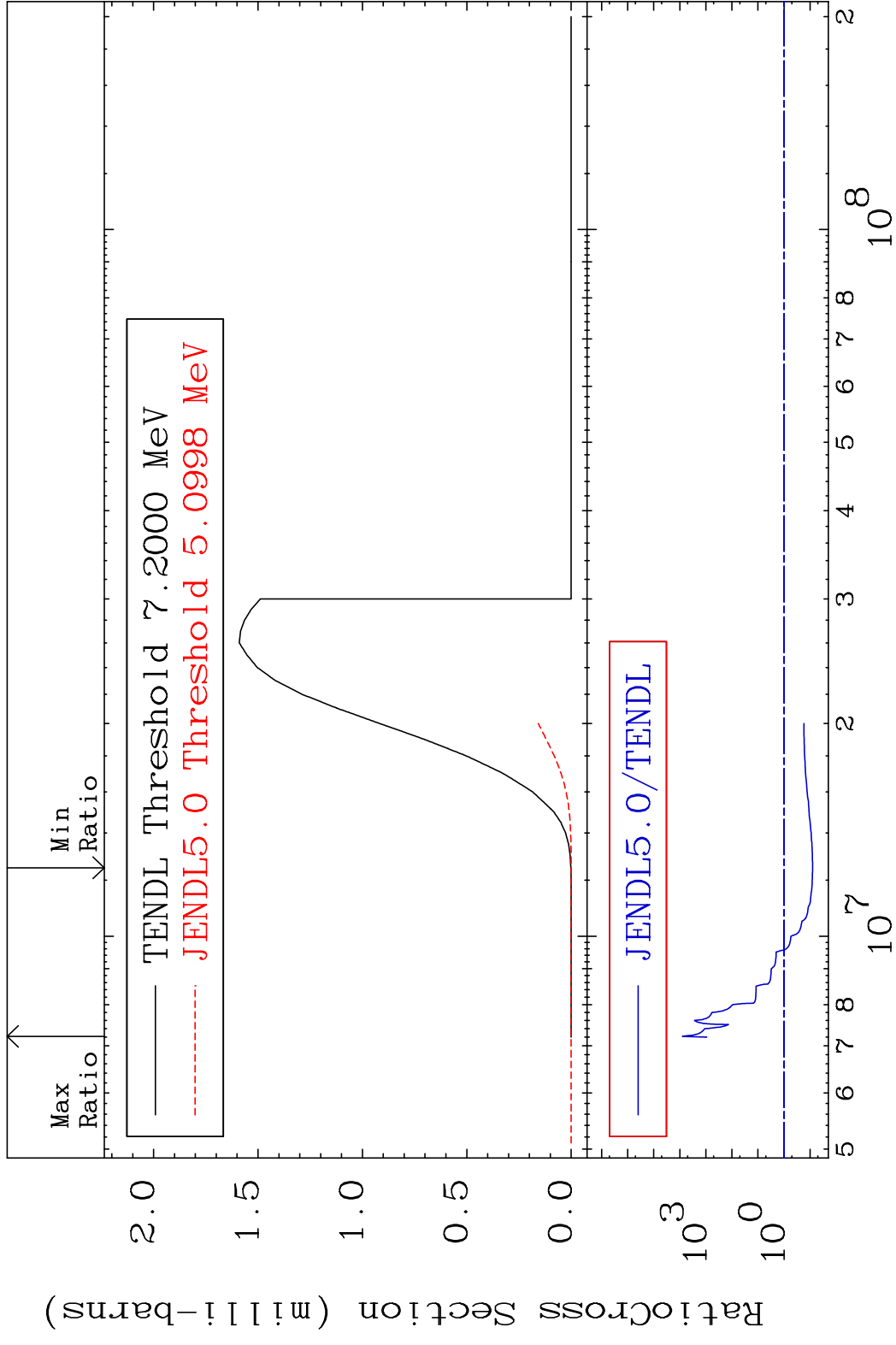






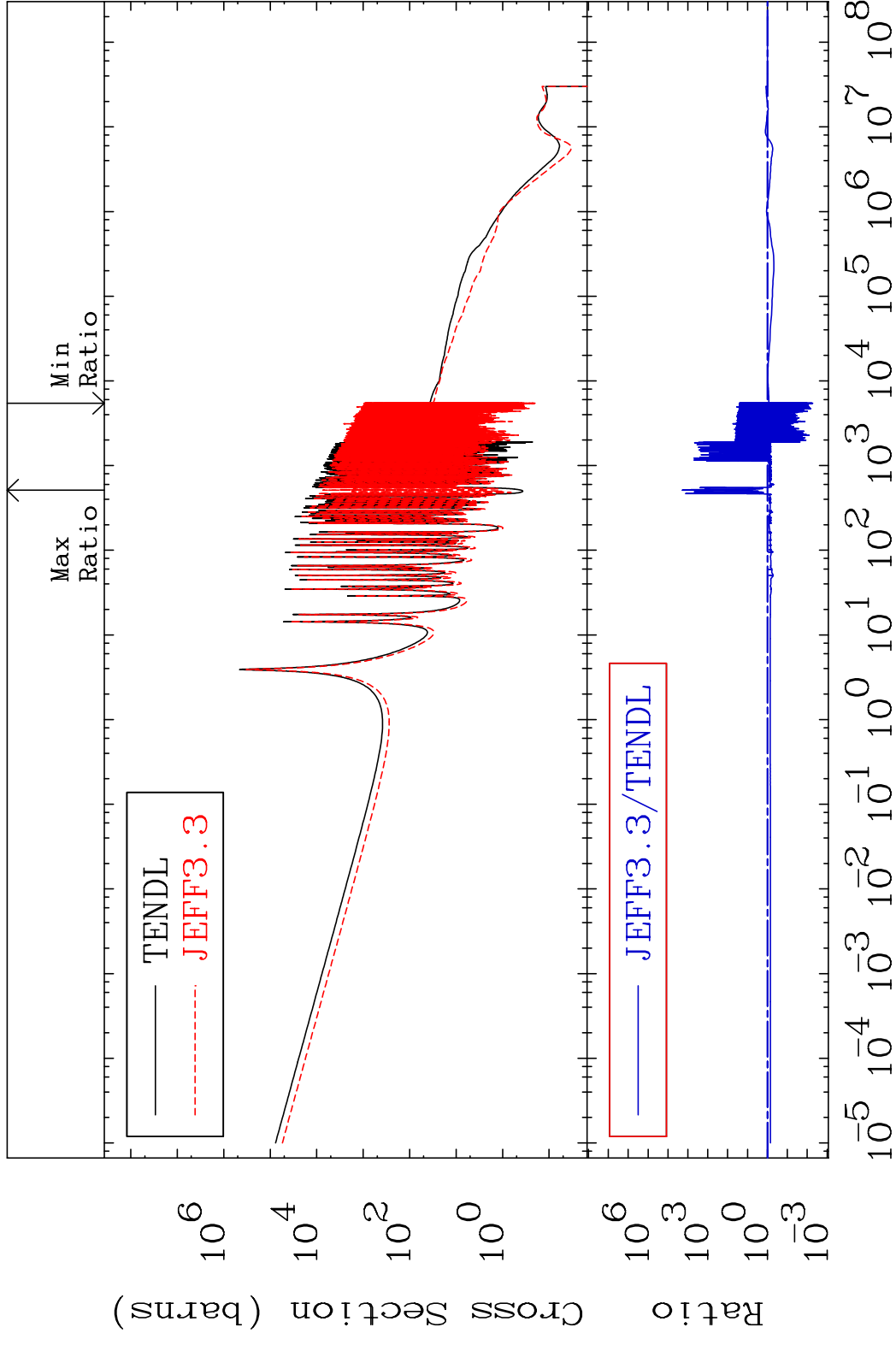






MAT 6925

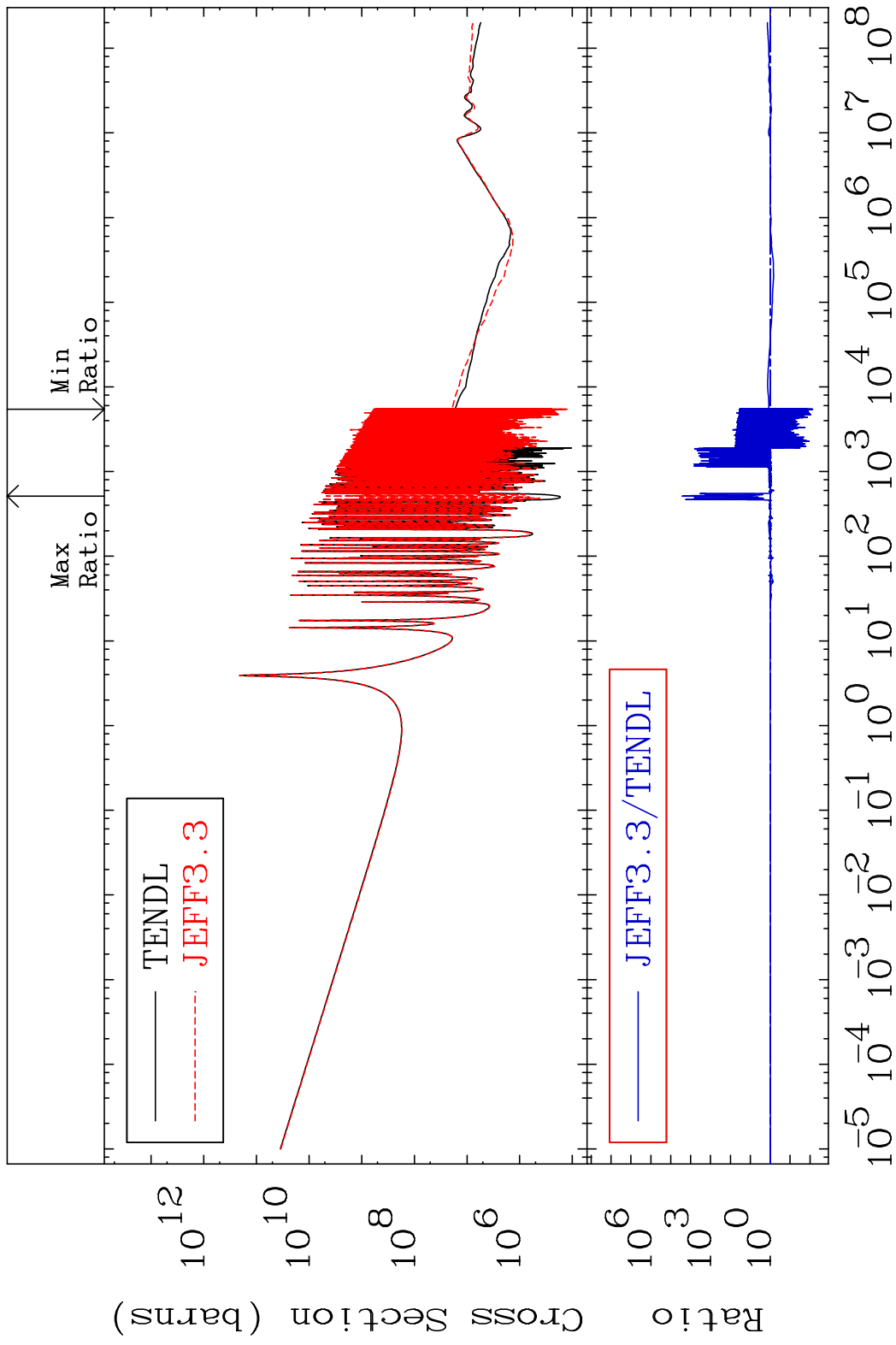
Kerma capture (mt102) 69-Tm-169  
Cross Section -99.46 To 9999. %



64

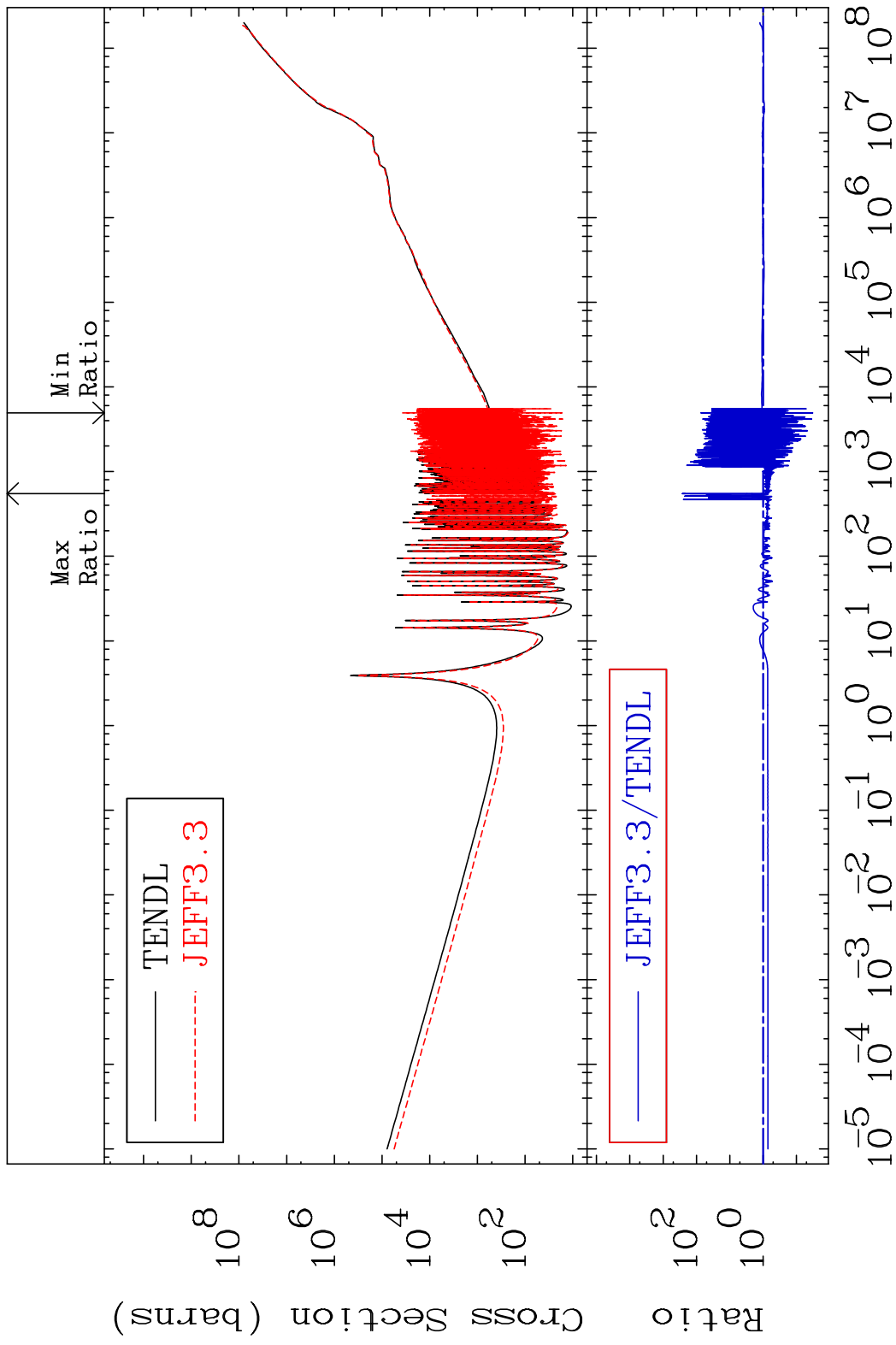
Incident Energy (eV) 69-Tm-169

MAT 6925 Total photon (eV-barns) 69-Tm-169  
 Cross Section -99.26 To 9999. %

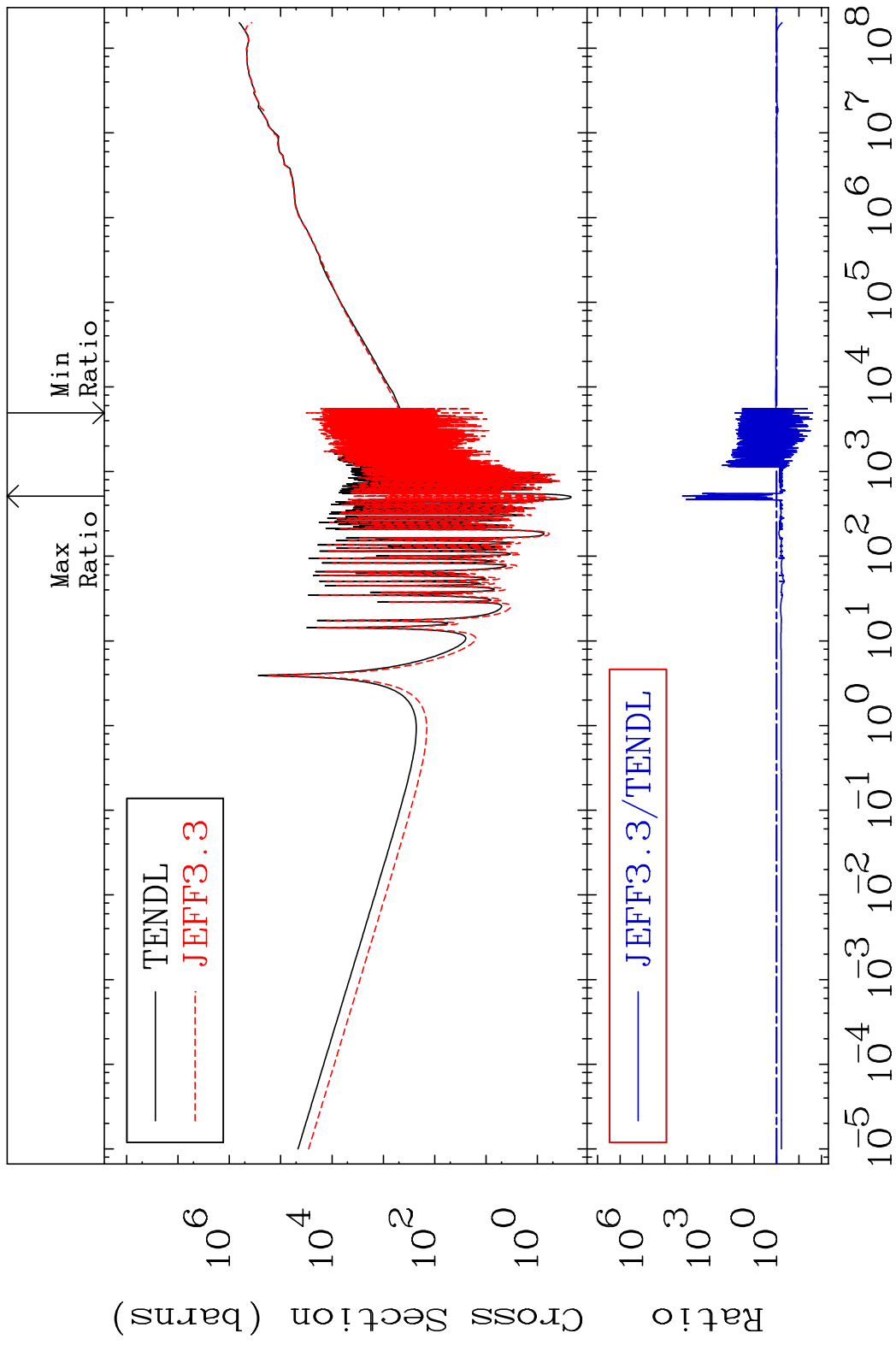


65 Incident Energy (eV) 69-Tm-169

MAT 6925 Total kinematic kerma (high limit) 69-Tm-169  
 Cross Section -96.71 To 9999. %



MAT 6925 Dpa total (eV-barns) 69-Tm-169  
 Cross Section -97.51 To 9999. %



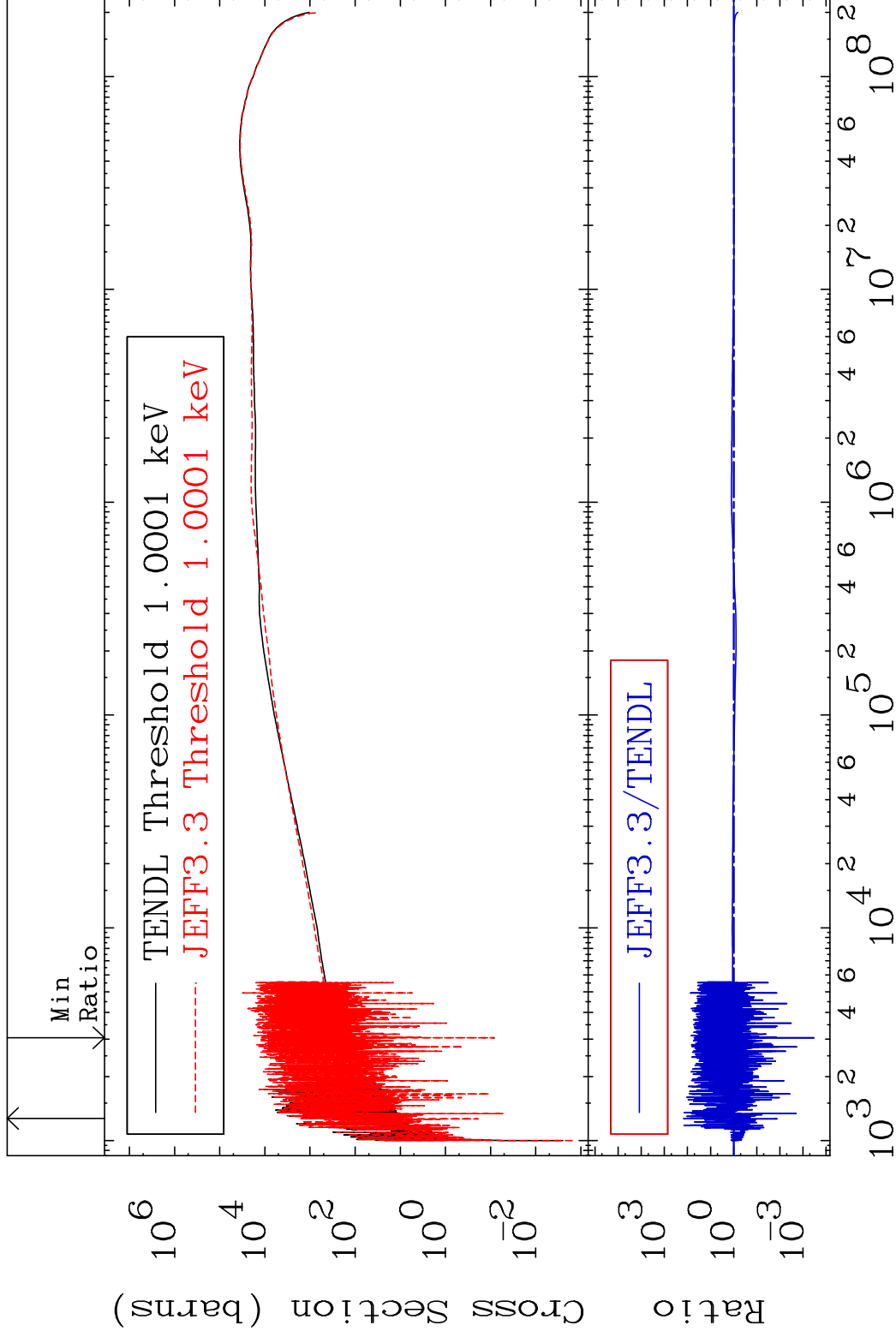
67 69-Tm-169

MAT 6925

Dpa elastic (mt2)

69-Tm-169

Cross Section -99.97 To 9999. %



68

Incident Energy (eV)

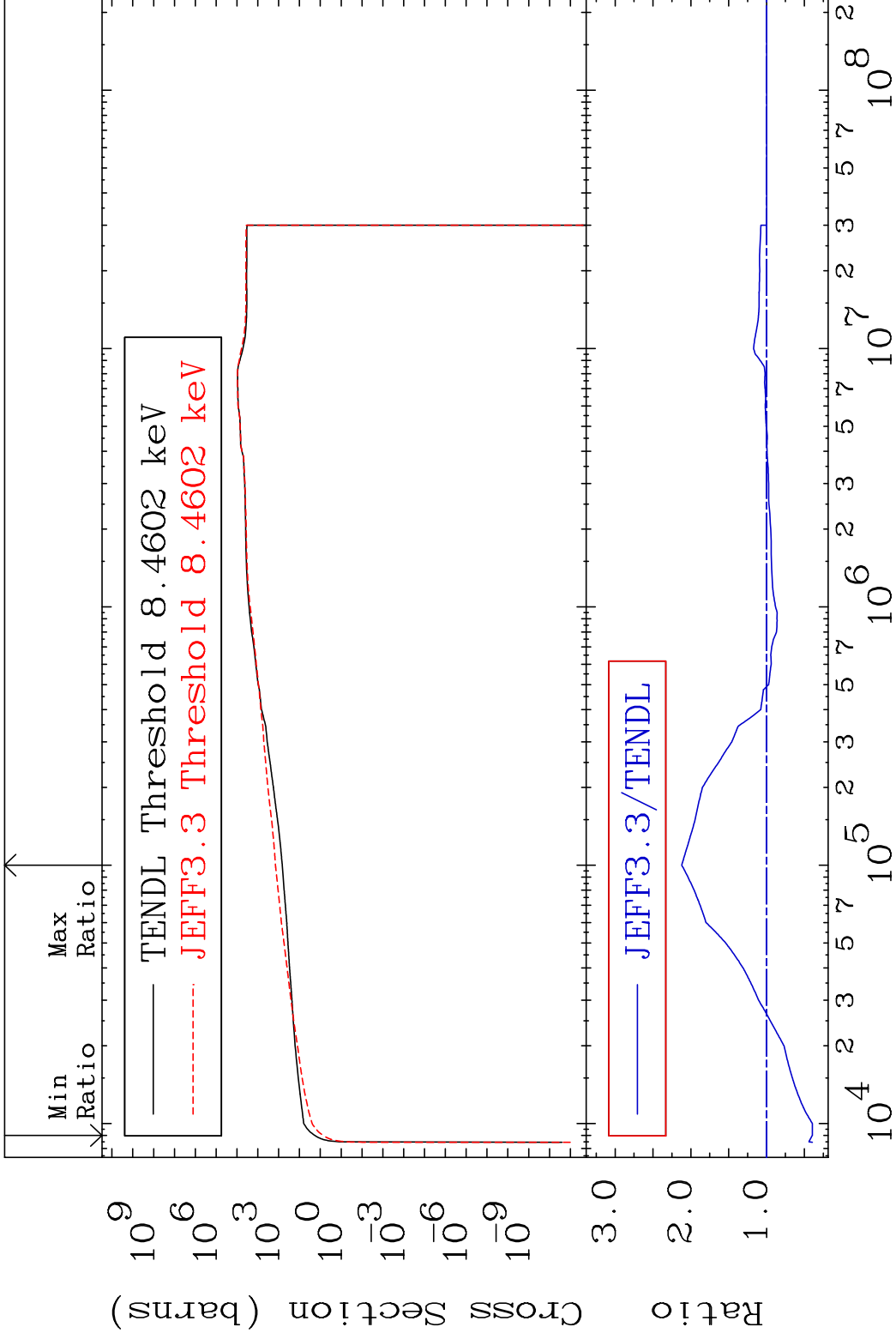
69-Tm-169

MAT 6925

Dpa inelastic (mt51-91)

69-Tm-169

Cross Section -60.52 To 112.0 %

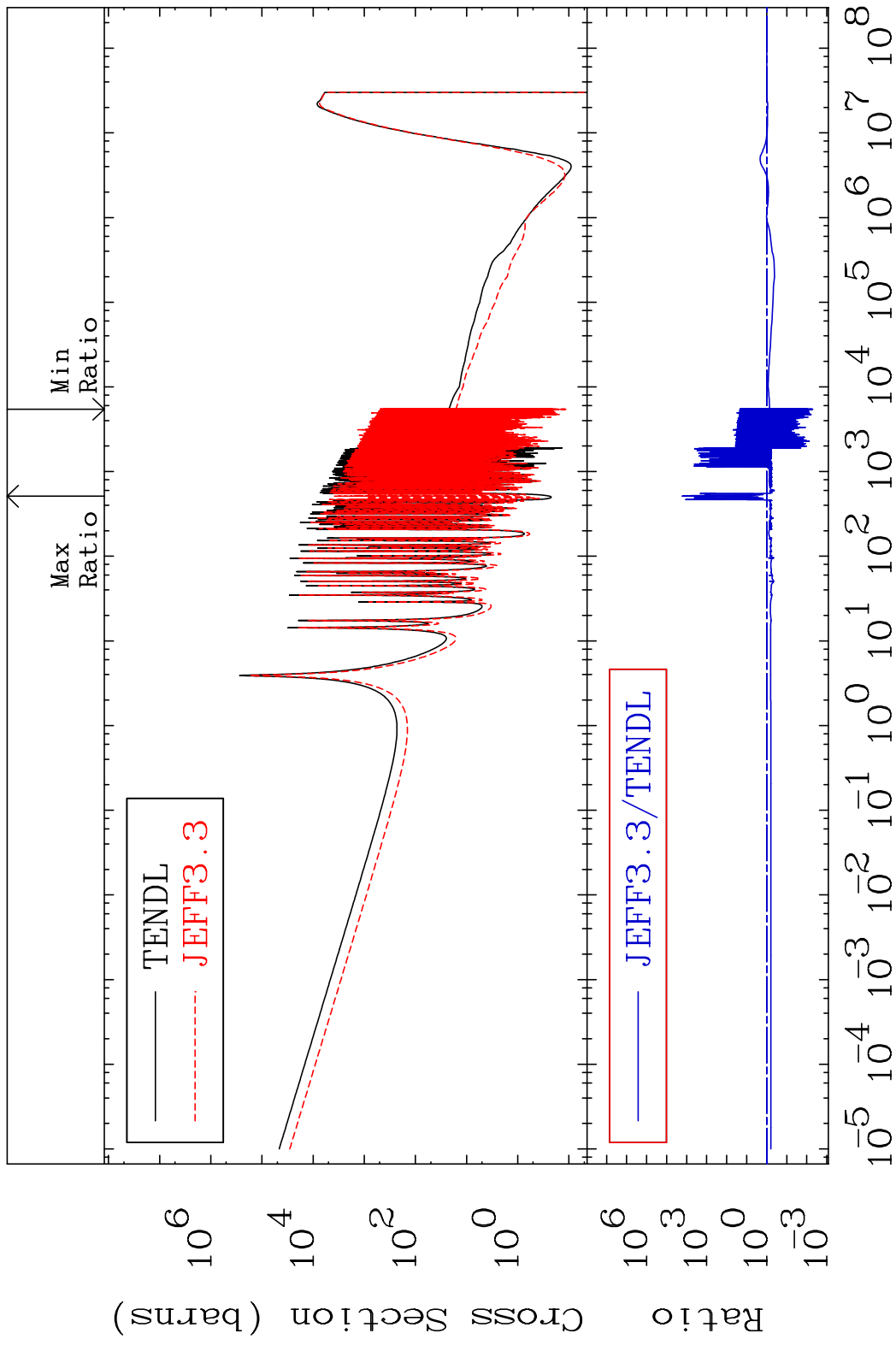


69

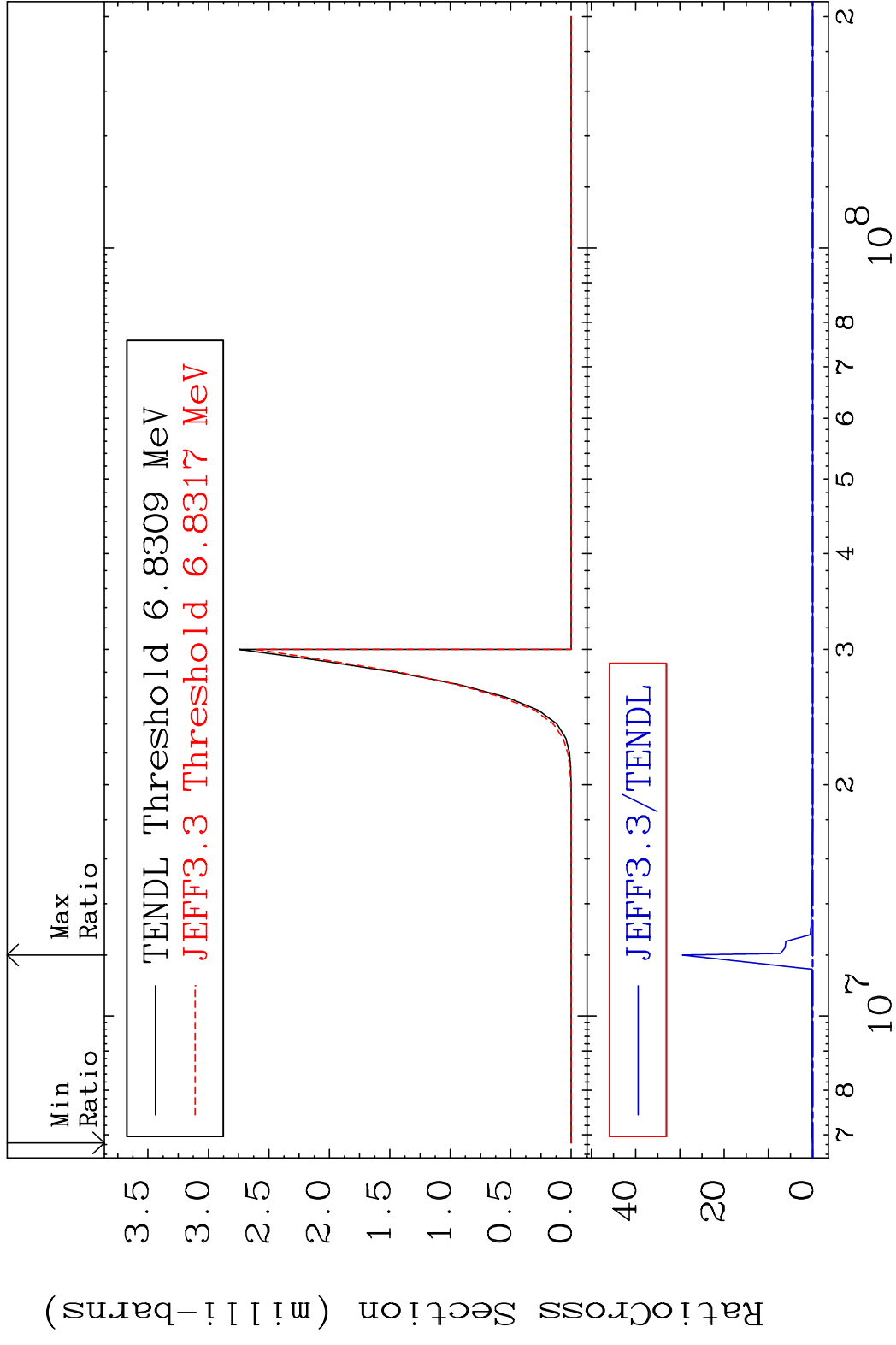
Incident Energy (eV)

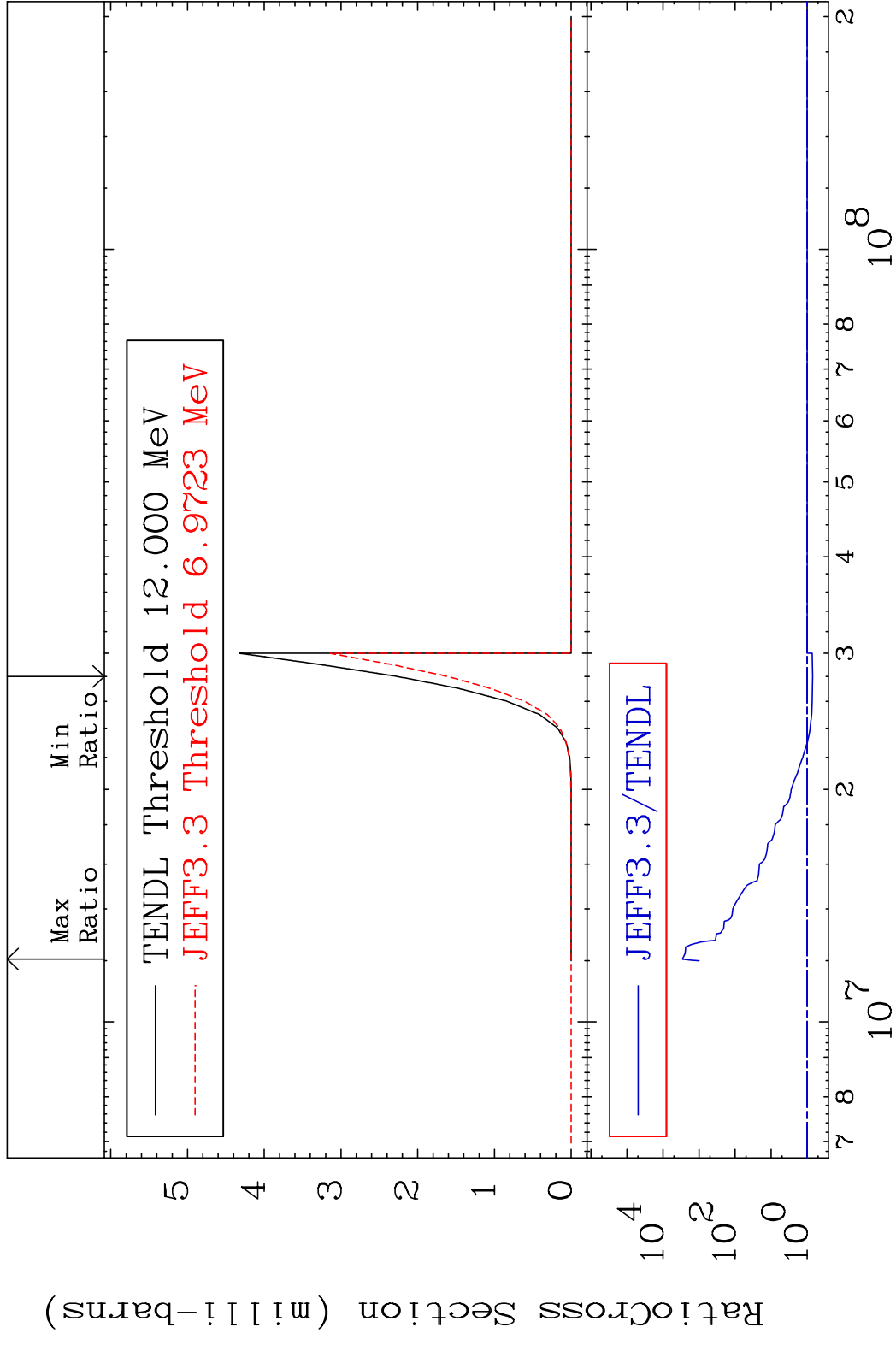
69-Tm-169

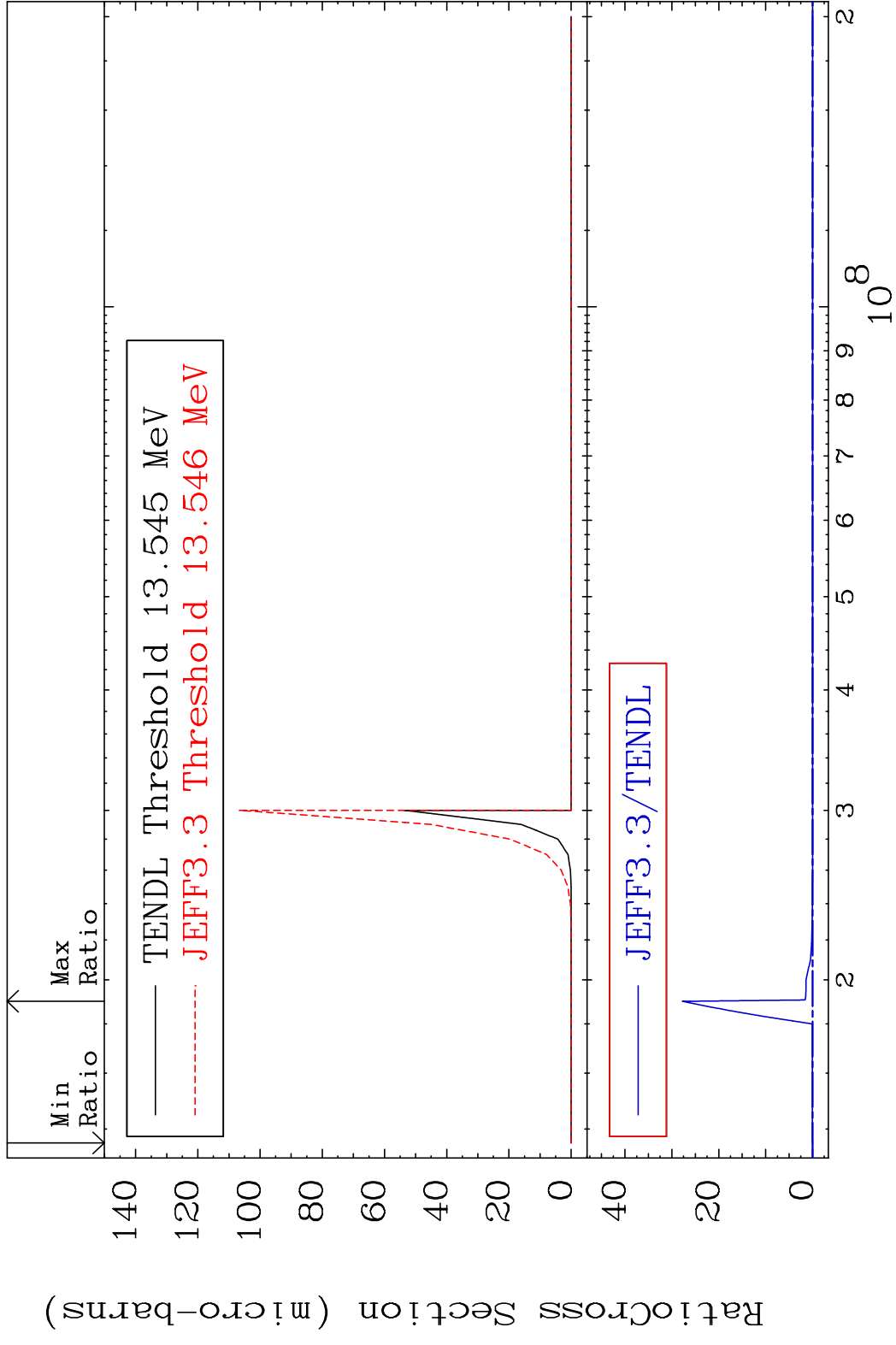
MAT 6925 Dpa disappearance (mt102 -120) 69-Tm-169  
 Cross Section -99.49 To 9999. %



70 Incident Energy (eV) 69-Tm-169







MAT 6925 (n,3n)  $\alpha$ :67-Ho-163m3 69-Tm-169  
 Radionuclide Production Cross Section 9999. %

