

Program Complot
(Version 2018-1)

by

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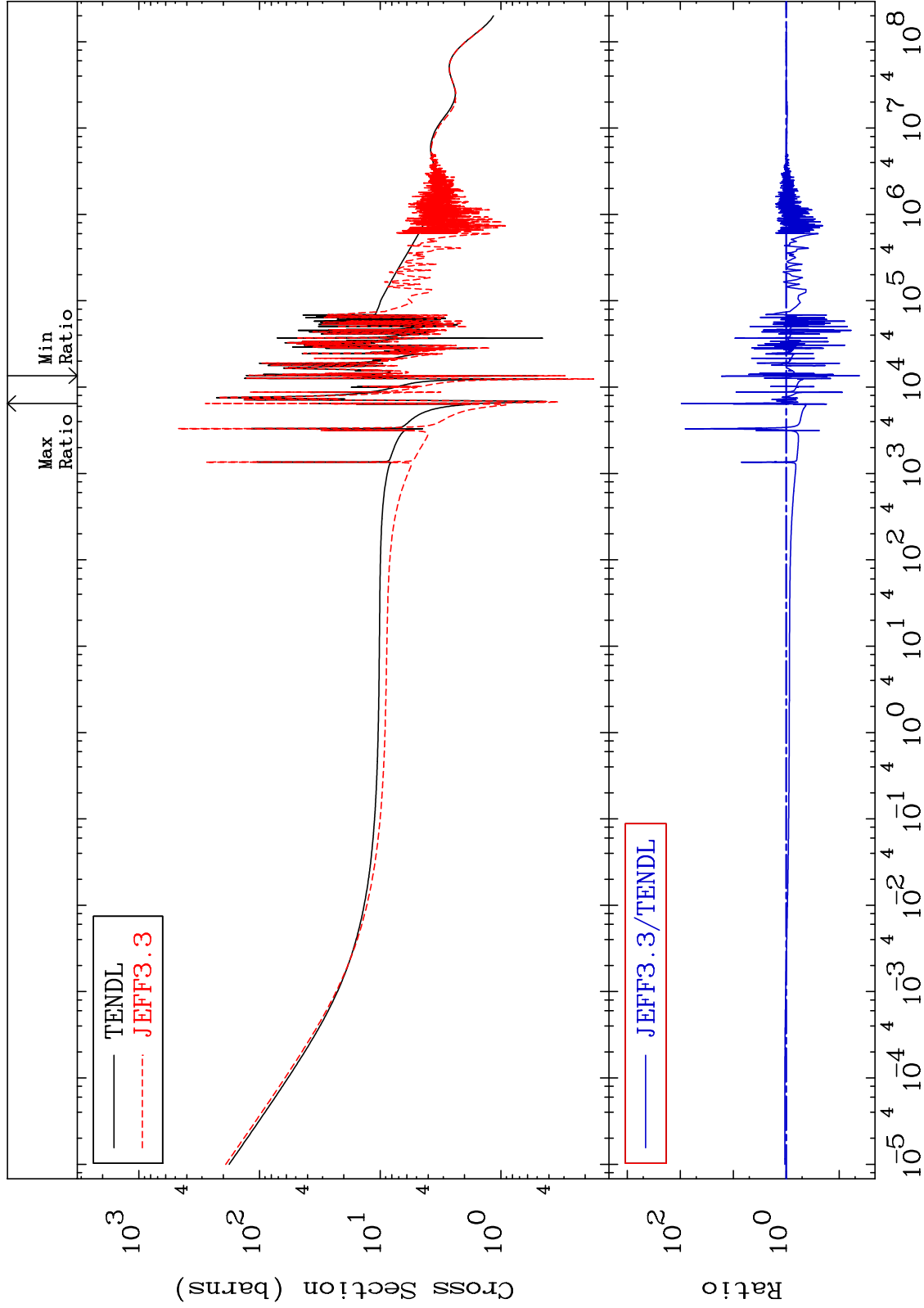
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2834

Total
Cross Section

28-Ni-61
-95.91 To 9494. %



1

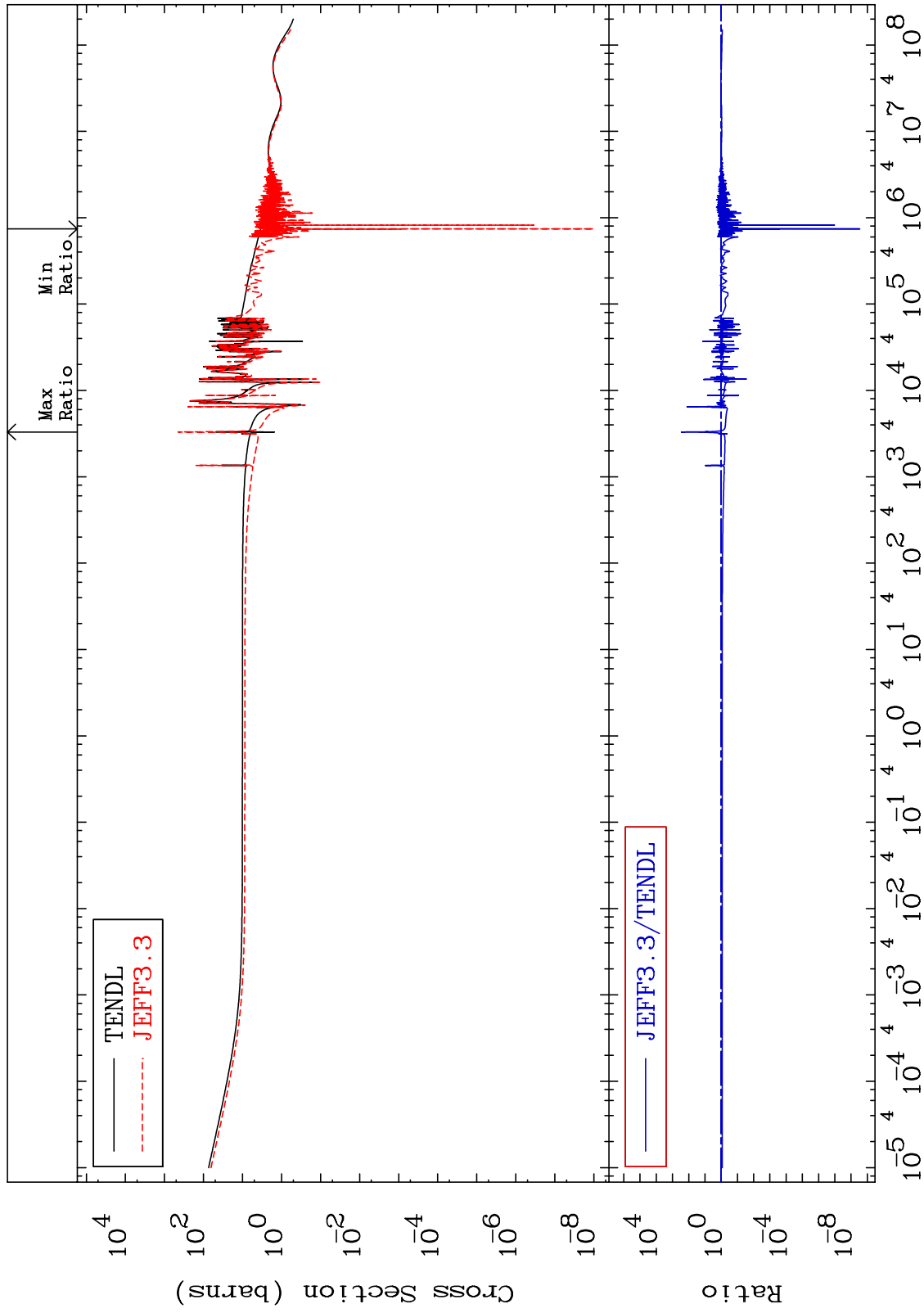
Incident Energy (eV)

28-Ni-61

MAT 2834

Elastic
Cross Section

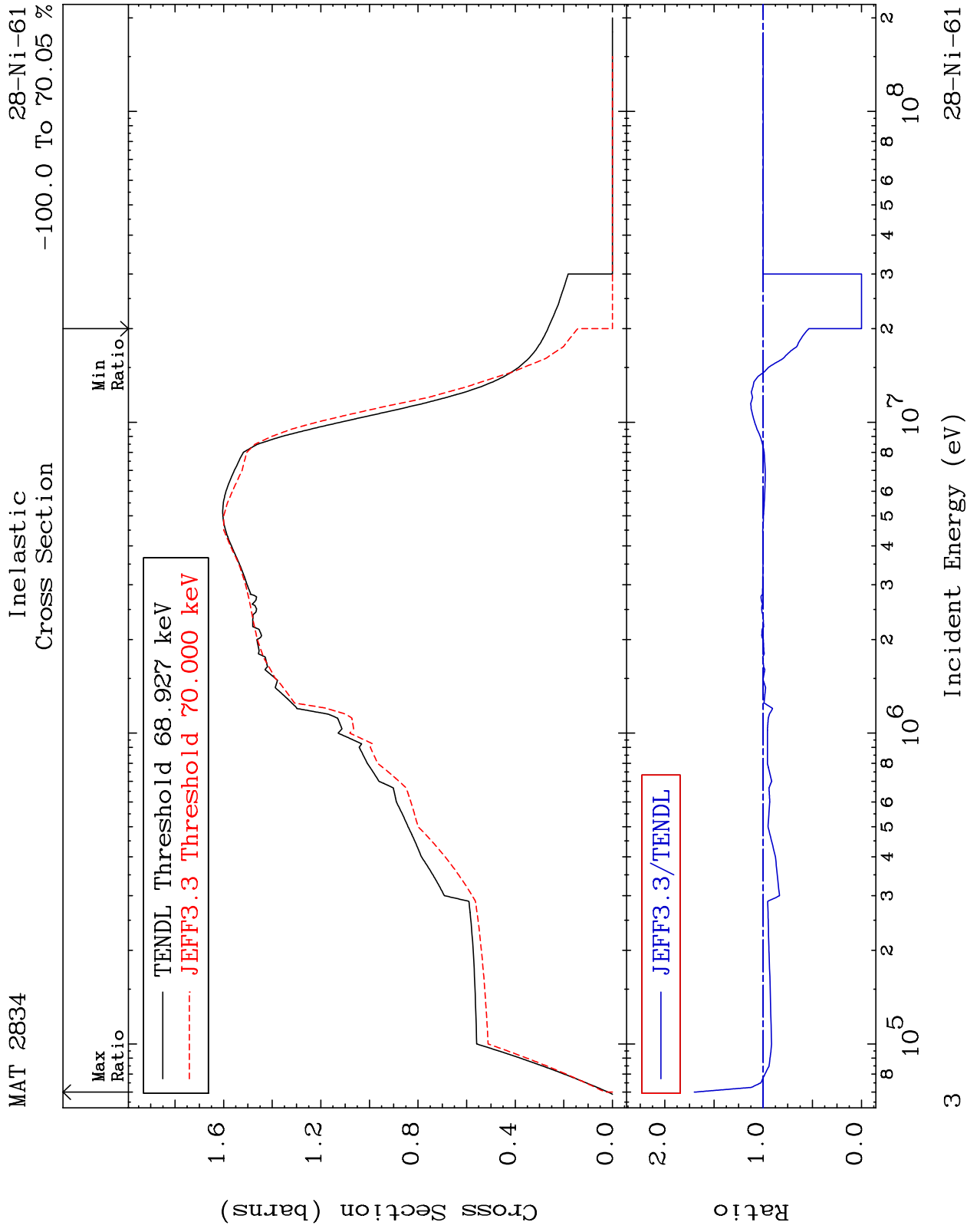
28-Ni-61
-100.0 To 9999. %



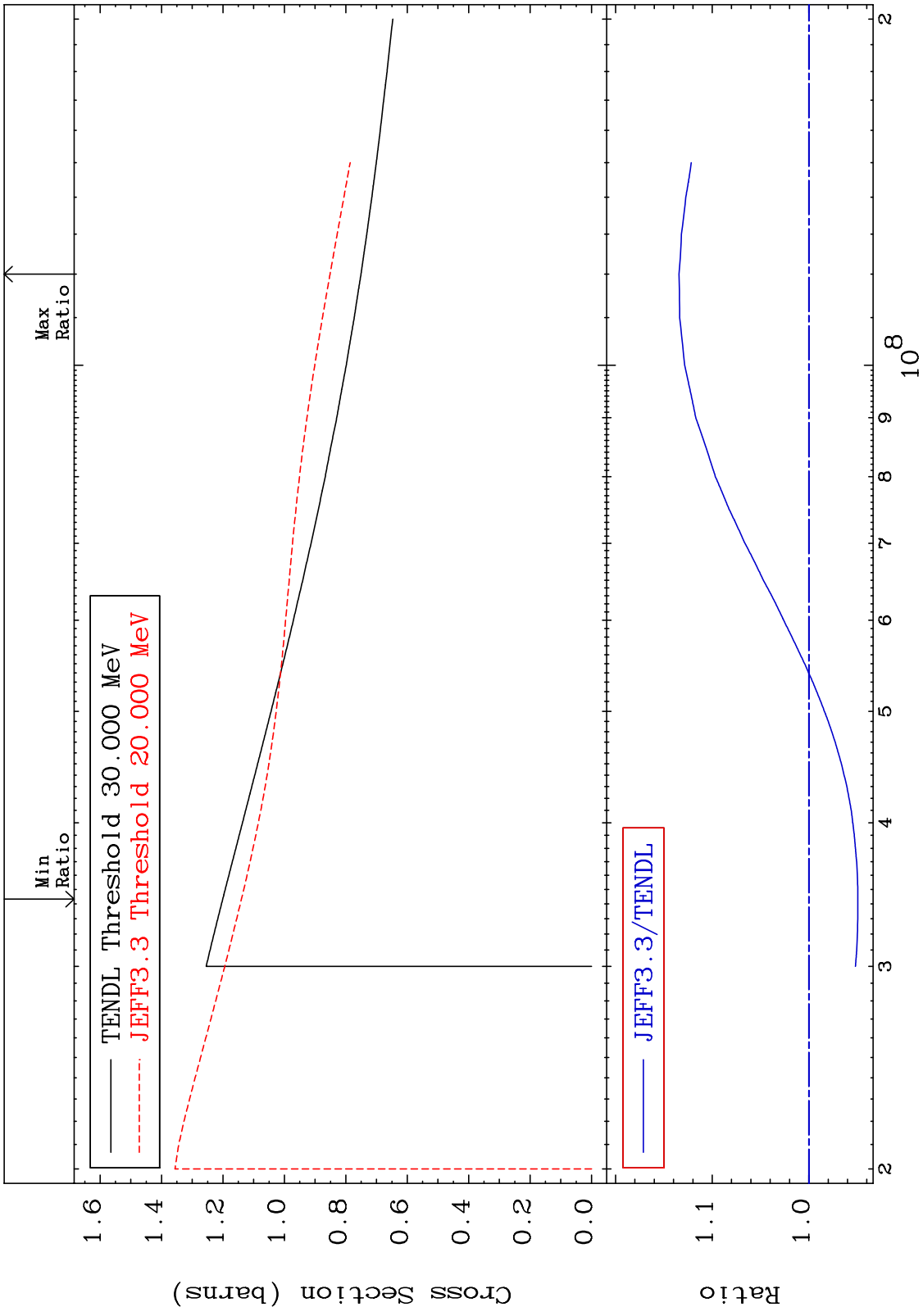
2

Incident Energy (eV)

28-Ni-61

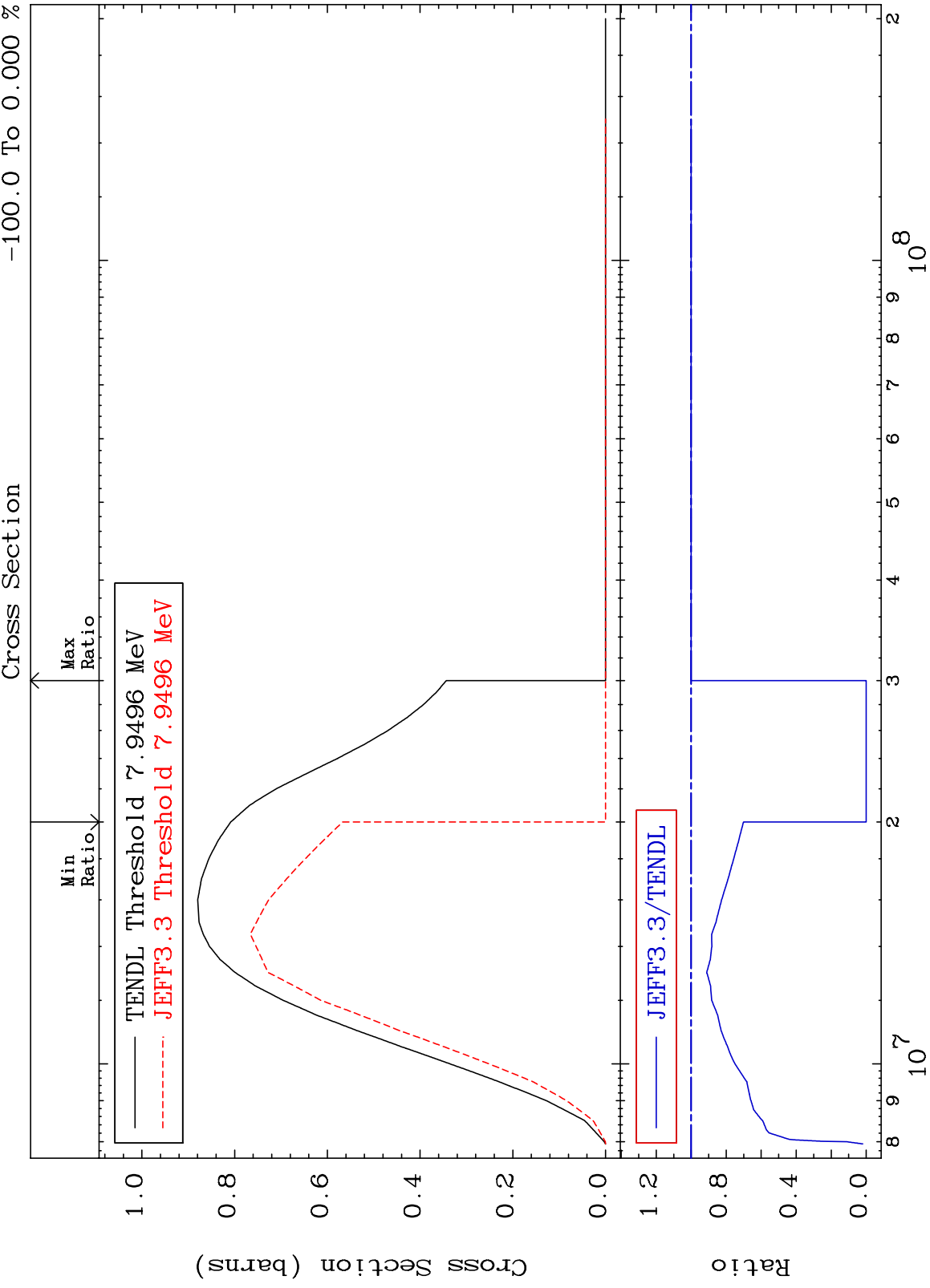


MAT 2834 (n, remainder) Cross Section 28-Ni-61 -5.066 To 13.43 %



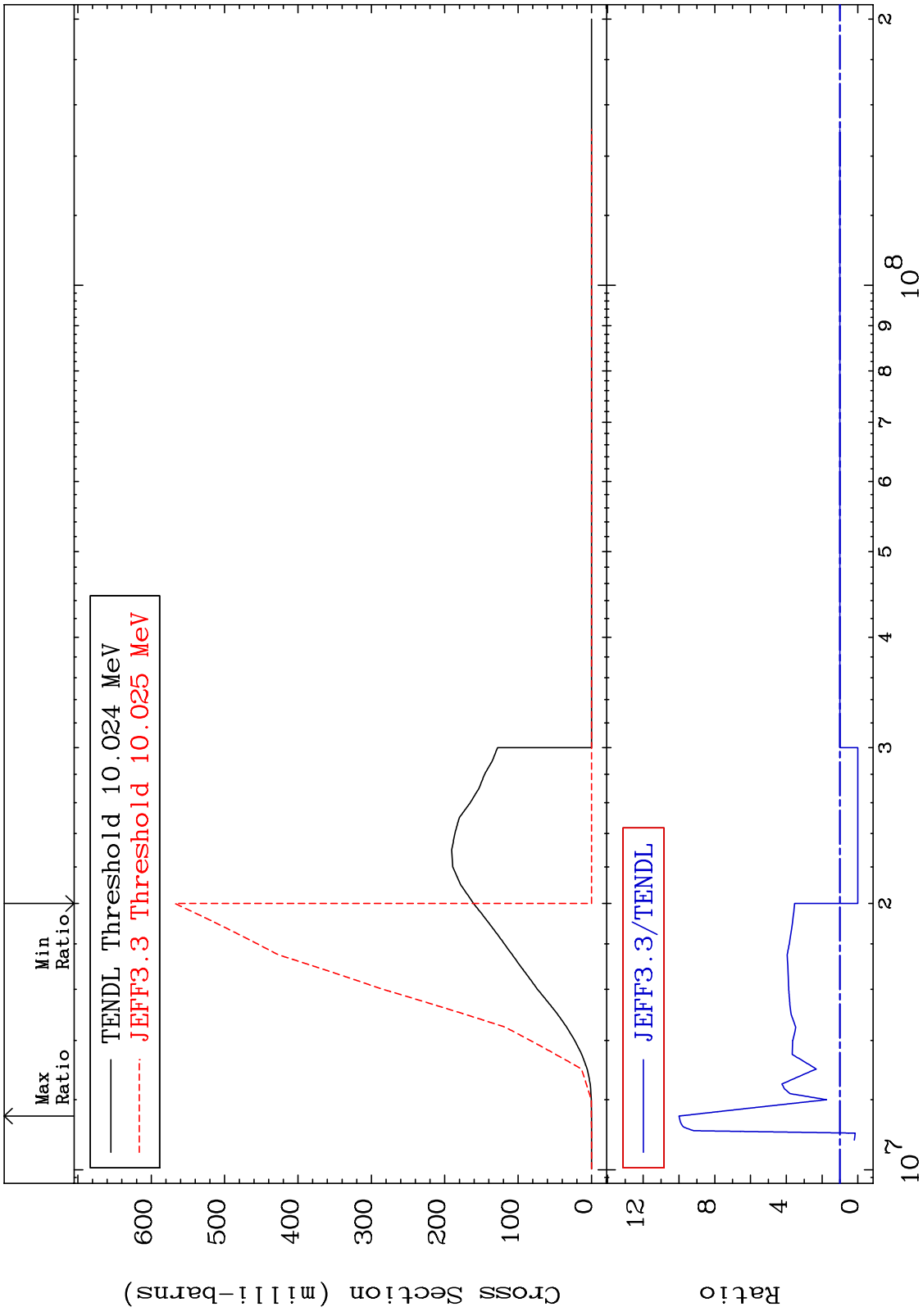
4 28-Ni-61

MAT 2834 (n,2n) 28-Ni-61 -100.0 To 0.000 %



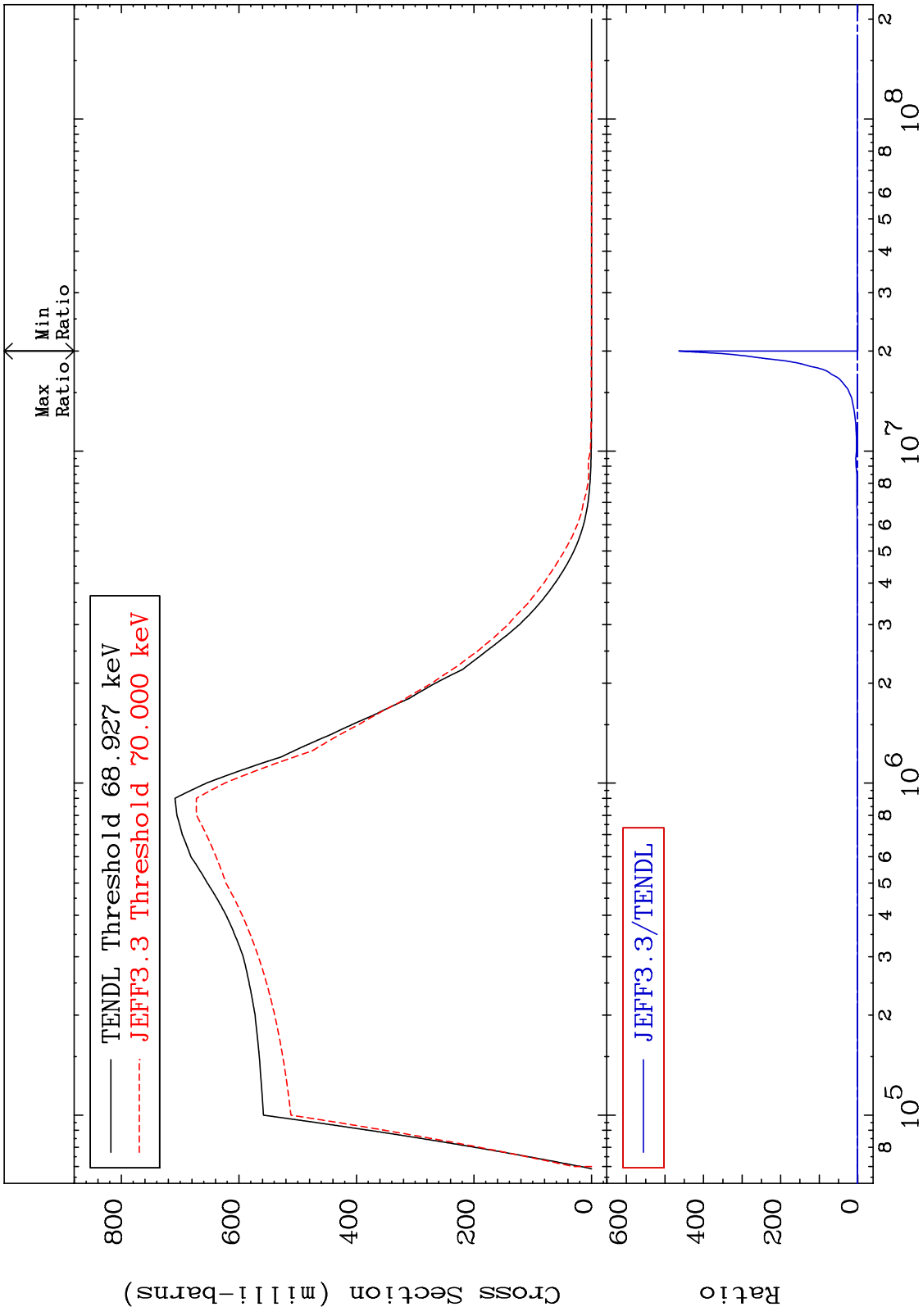
5 28-Ni-61

MAT 2834 (n,n') p 28-Ni-61
 Cross Section -100.0 To 899.4 %



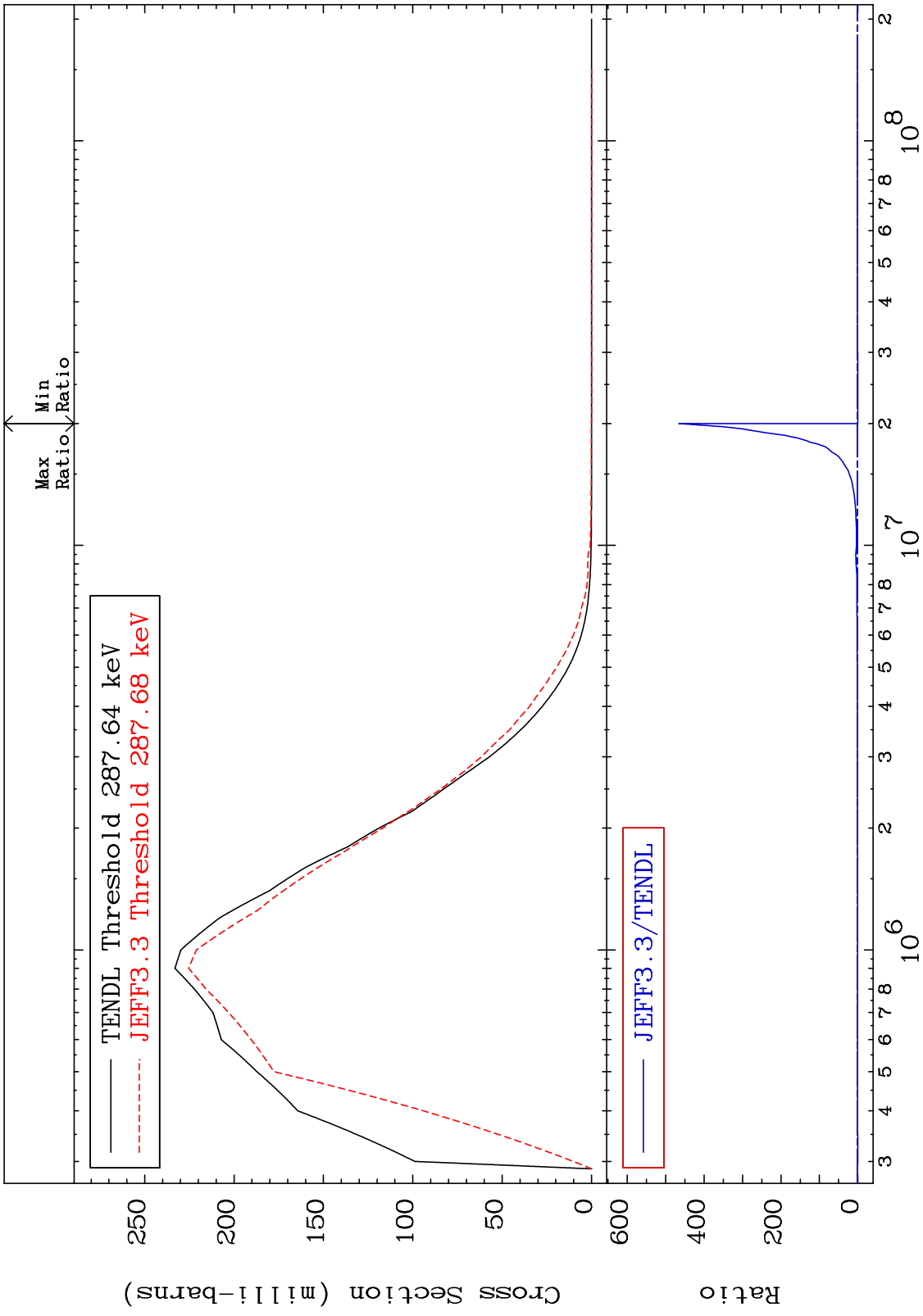
Incident Energy (eV) 28-Ni-61

MAT 2834 MT= 51 (n,n') Level 28-Ni-61
 Cross Section -100.0 To 9999. %



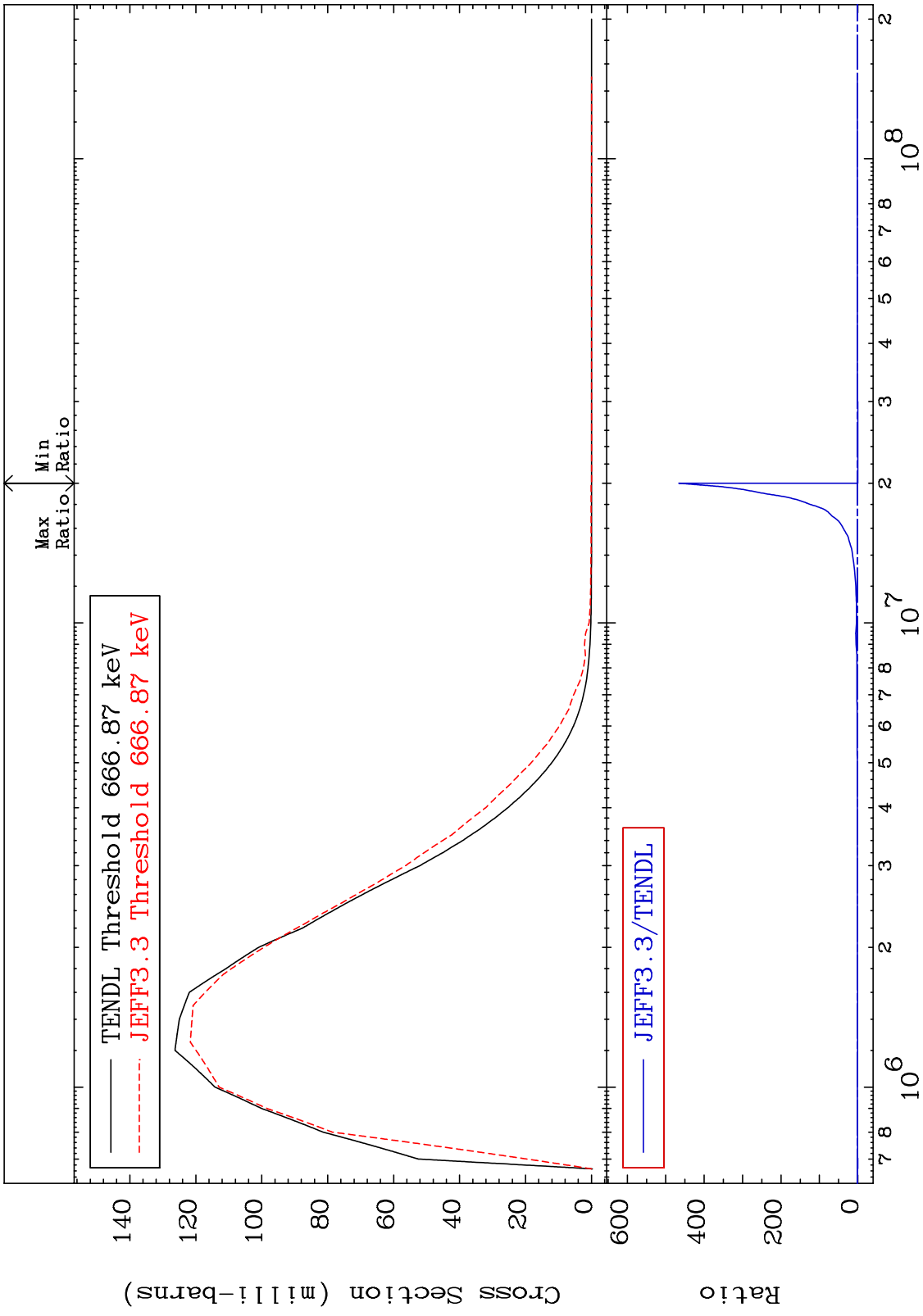
7 Incident Energy (eV) 28-Ni-61

MAT 2834 MT= 52 (n,n') Level Cross Section -100.0 To 9999. % 28-Ni-61



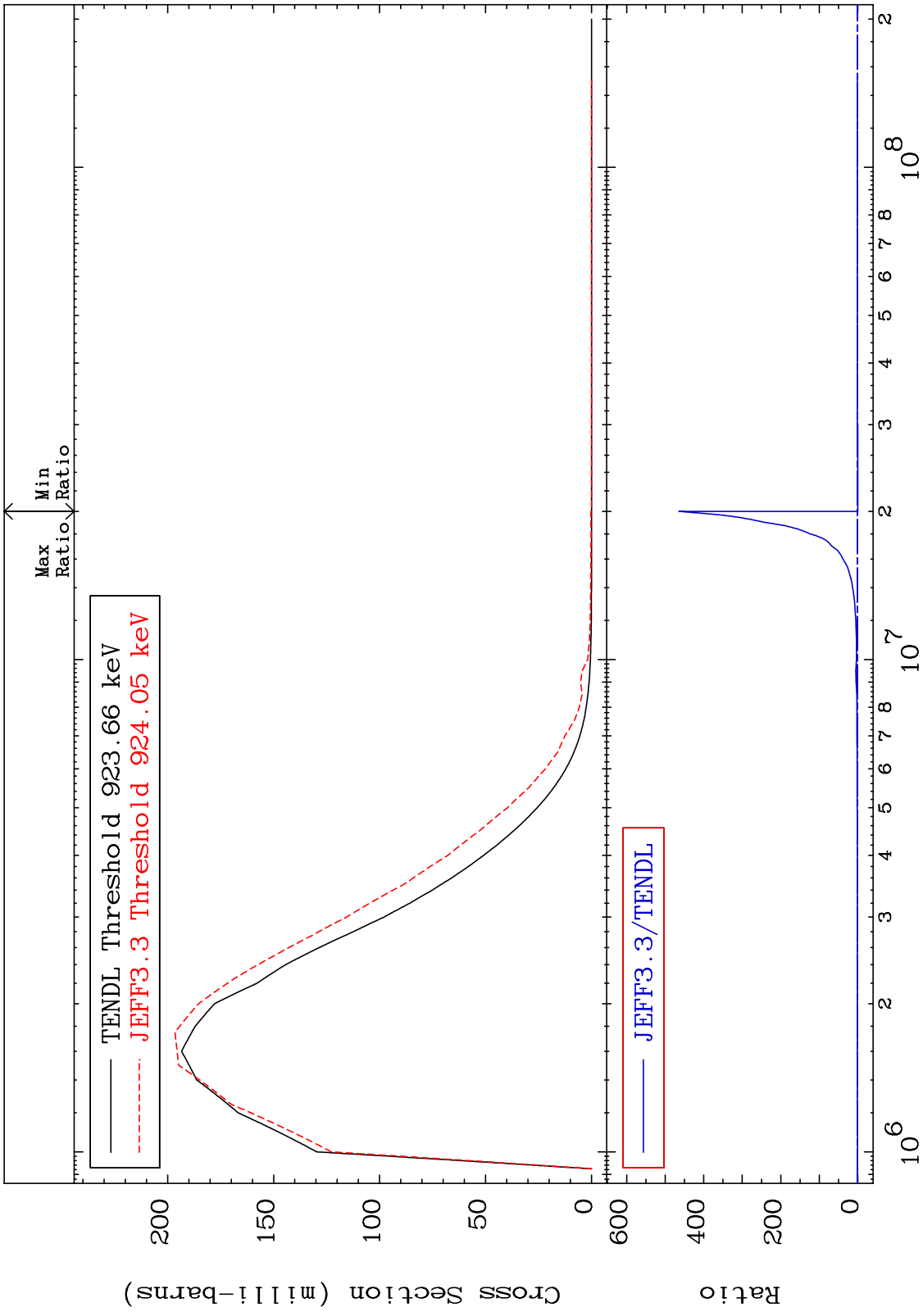
8 Incident Energy (eV) 28-Ni-61

MAT 2834 MT= 53 (n,n') Level Cross Section -100.0 To 9999. % 28-Ni-61



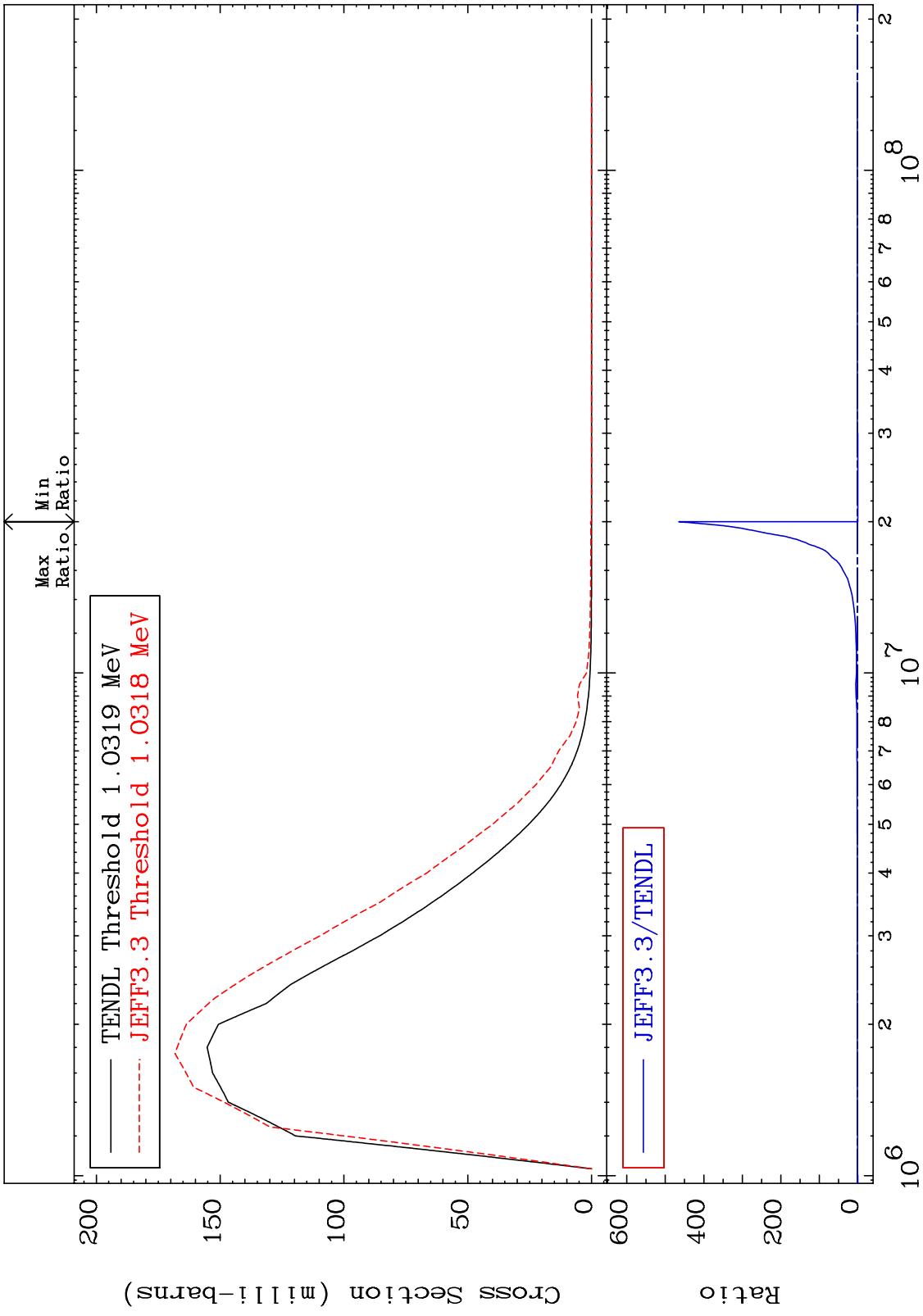
9 Incident Energy (eV) 28-Ni-61

MAT 2834 MT= 54 (n,n') Level Cross Section -100.0 To 9999. % 28-Ni-61



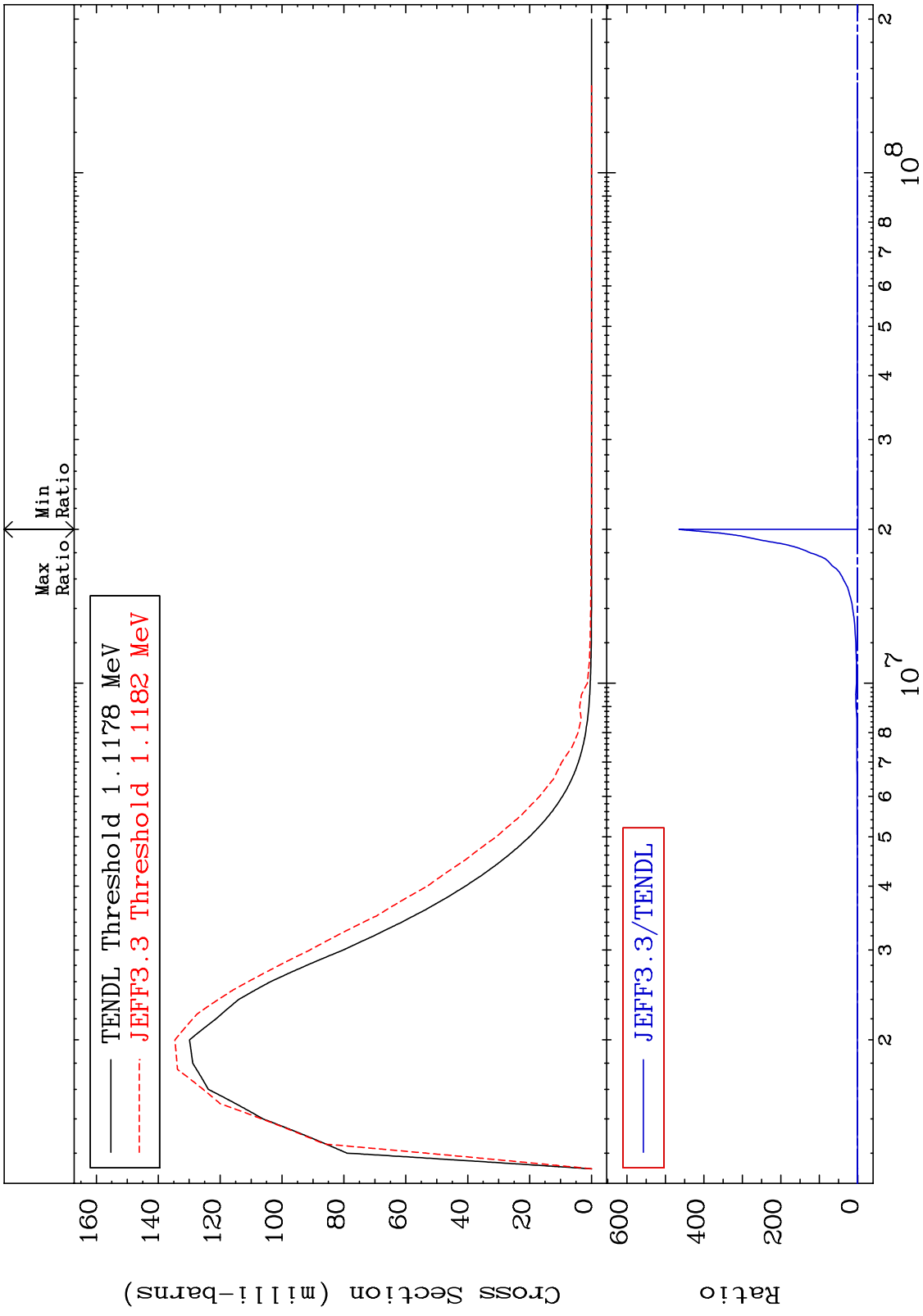
Ratio Incident Energy (eV) 28-Ni-61

MAT 2834 MT= 55 (n,n') Level Cross Section 28-Ni-61
 -100.0 To 9999. %

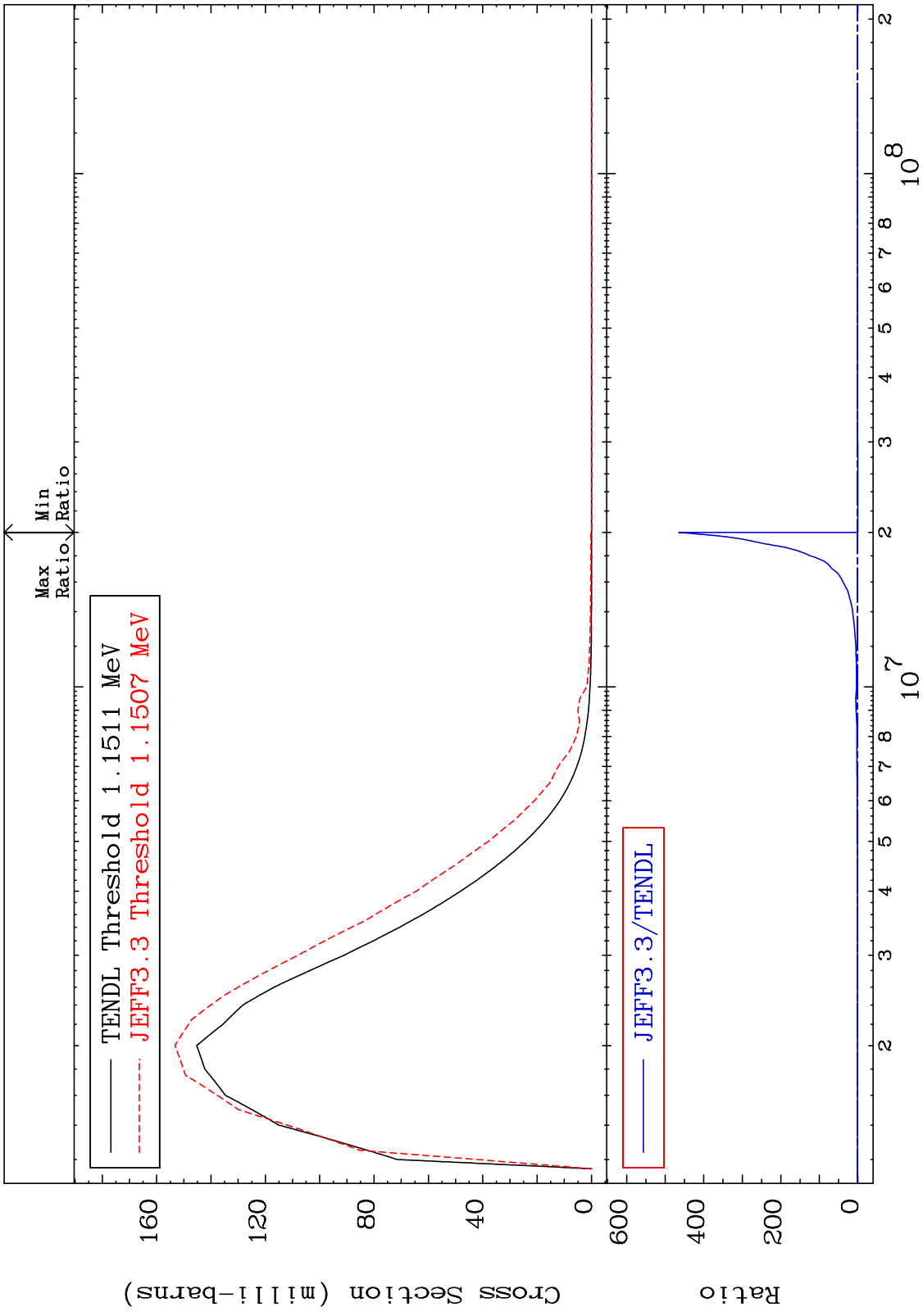


11 Incident Energy (eV) 28-Ni-61

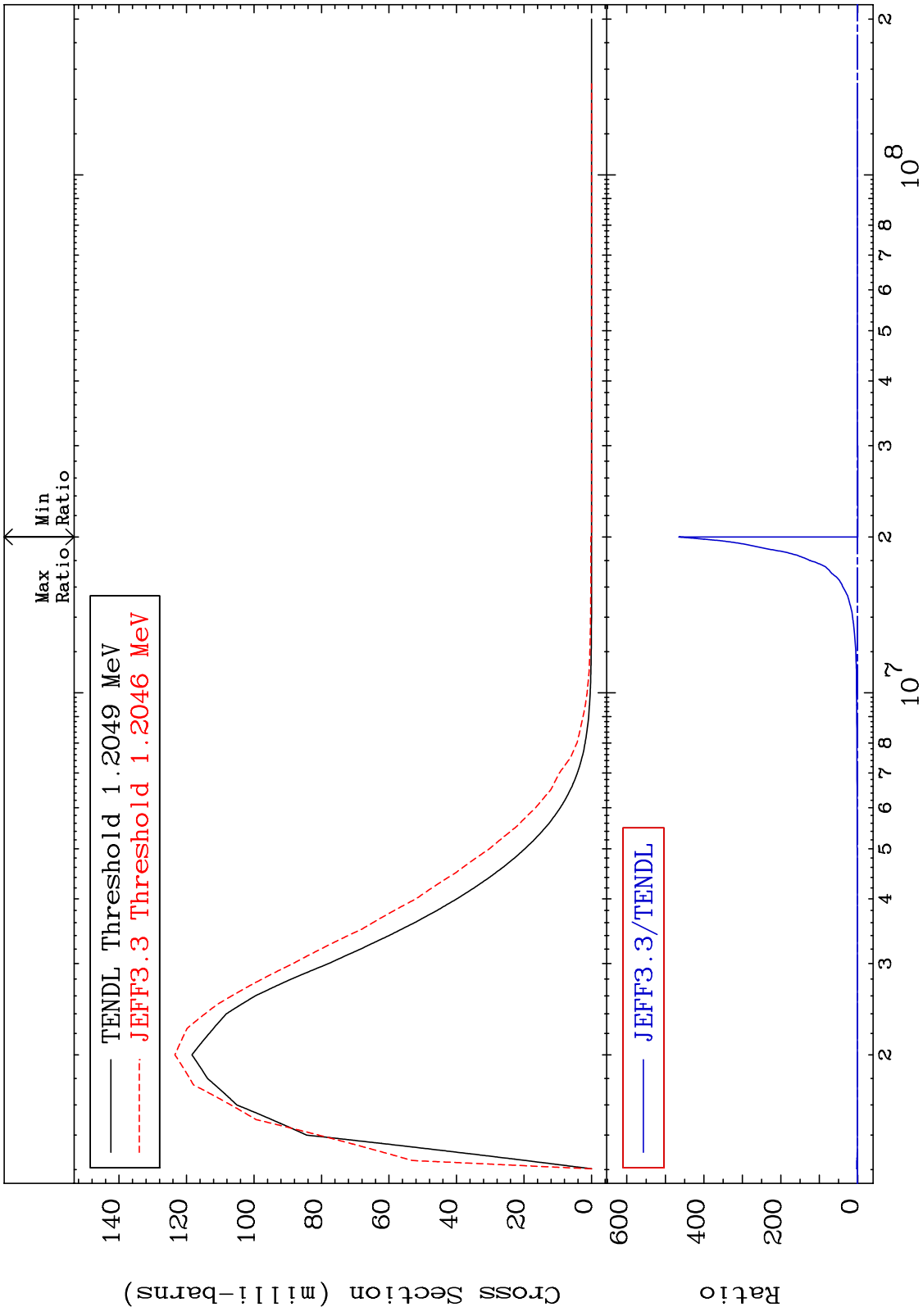
MAT 2834 MT= 56 (n,n') Level Cross Section 28-Ni-61
 -100.0 To 9999. %



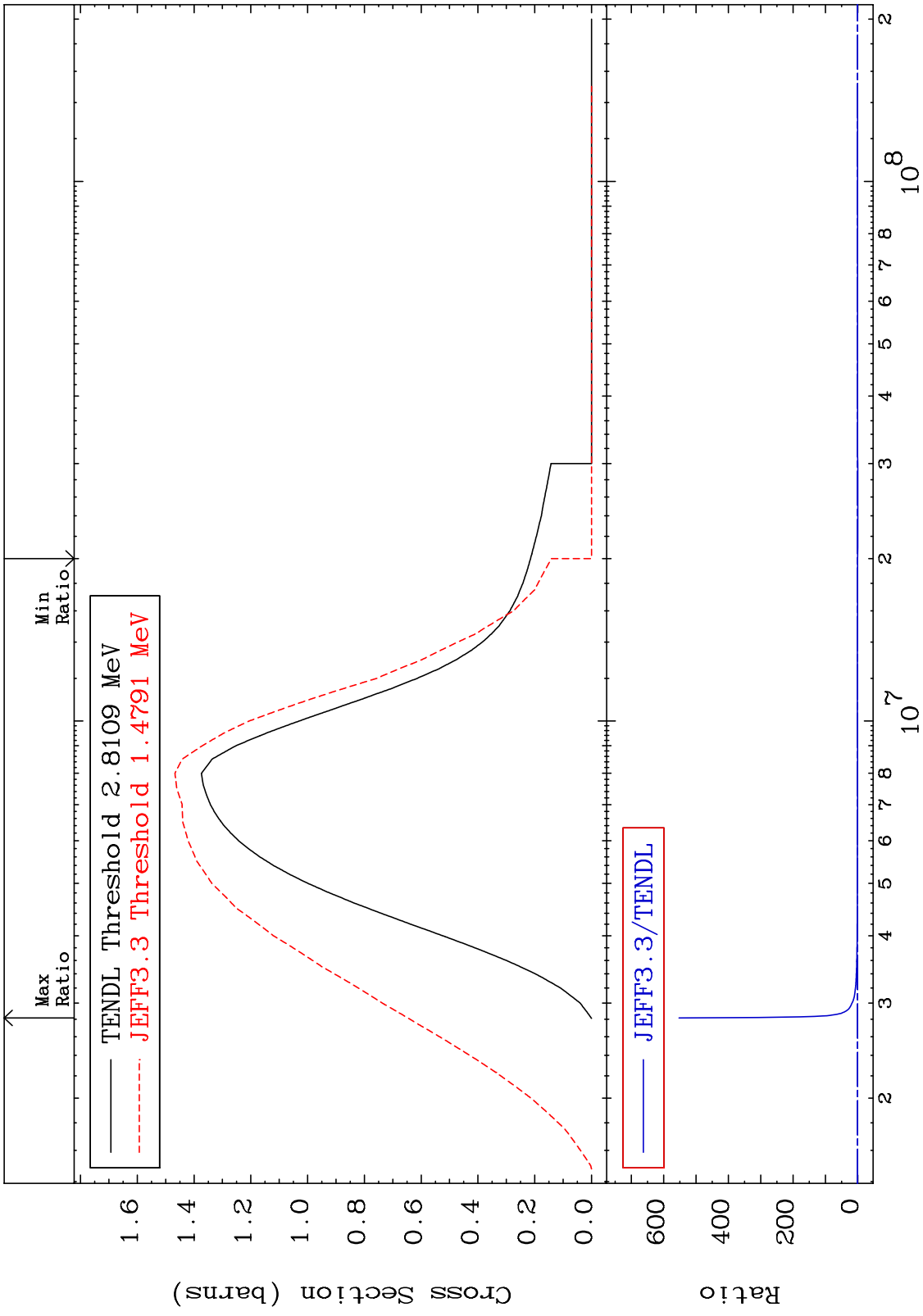
MAT 2834 MT= 57 (n, n') Level 28-Ni-61
 Cross Section -100.0 To 9999. %



MAT 2834 MT= 58 (n,n') Level Cross Section -100.0 To 9999. % 28-Ni-61



MAT 2834 (n, n') Continuum Cross Section -100.0 To 9999. % 28-Ni-61



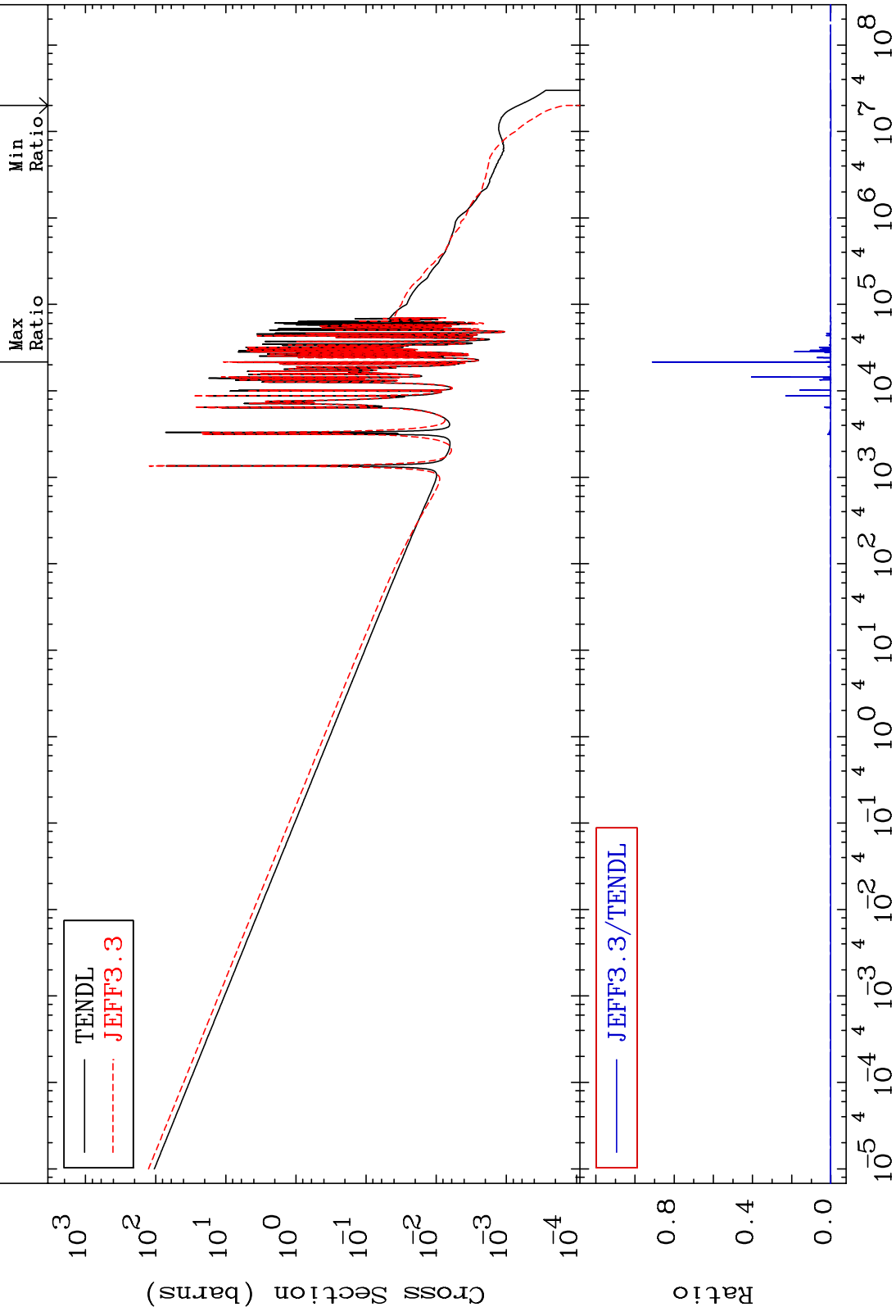
MAT 2834

(n, γ)

28-Ni-61

Cross Section

-100.0 To 9999. %

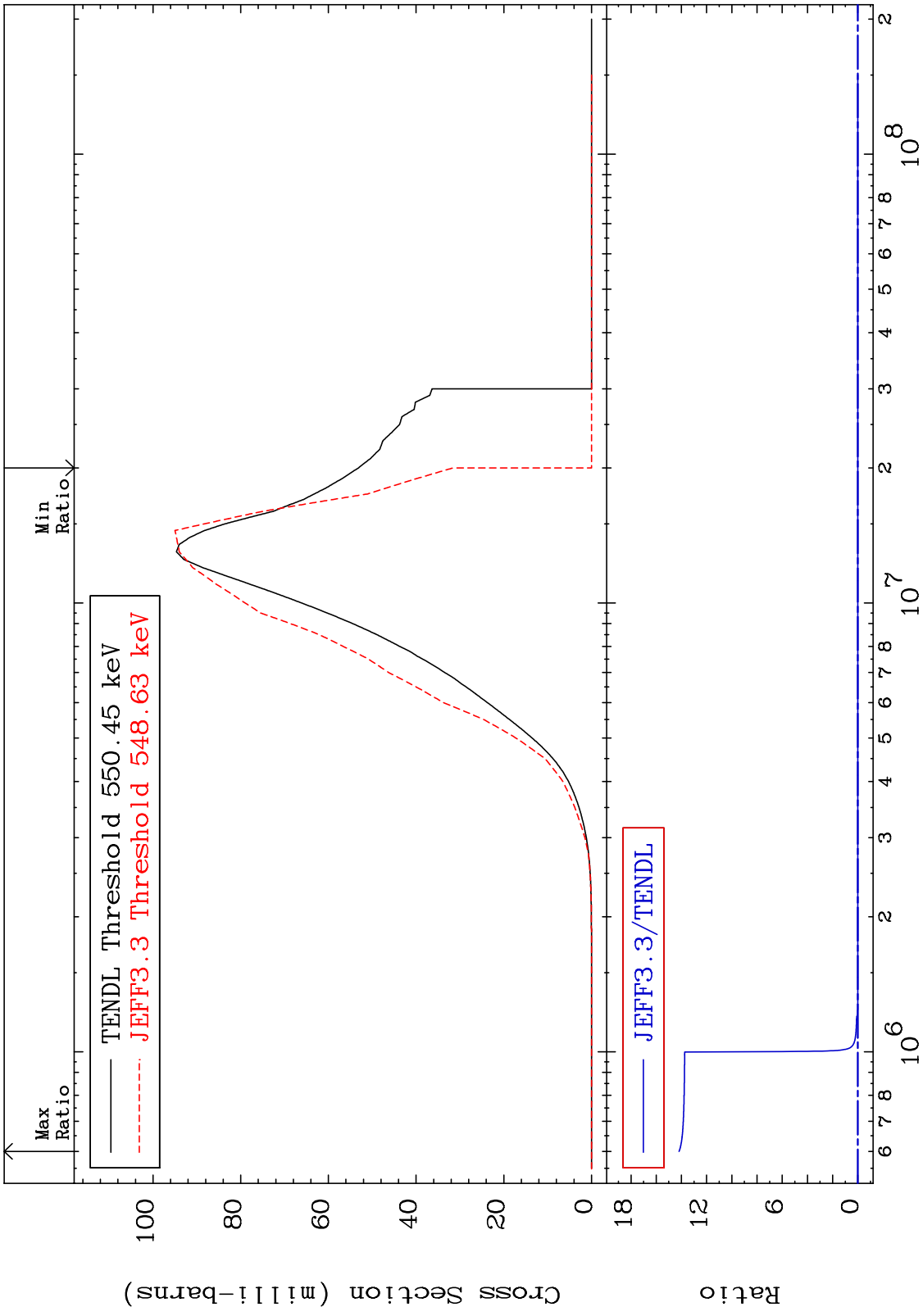


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Incident Energy (eV)

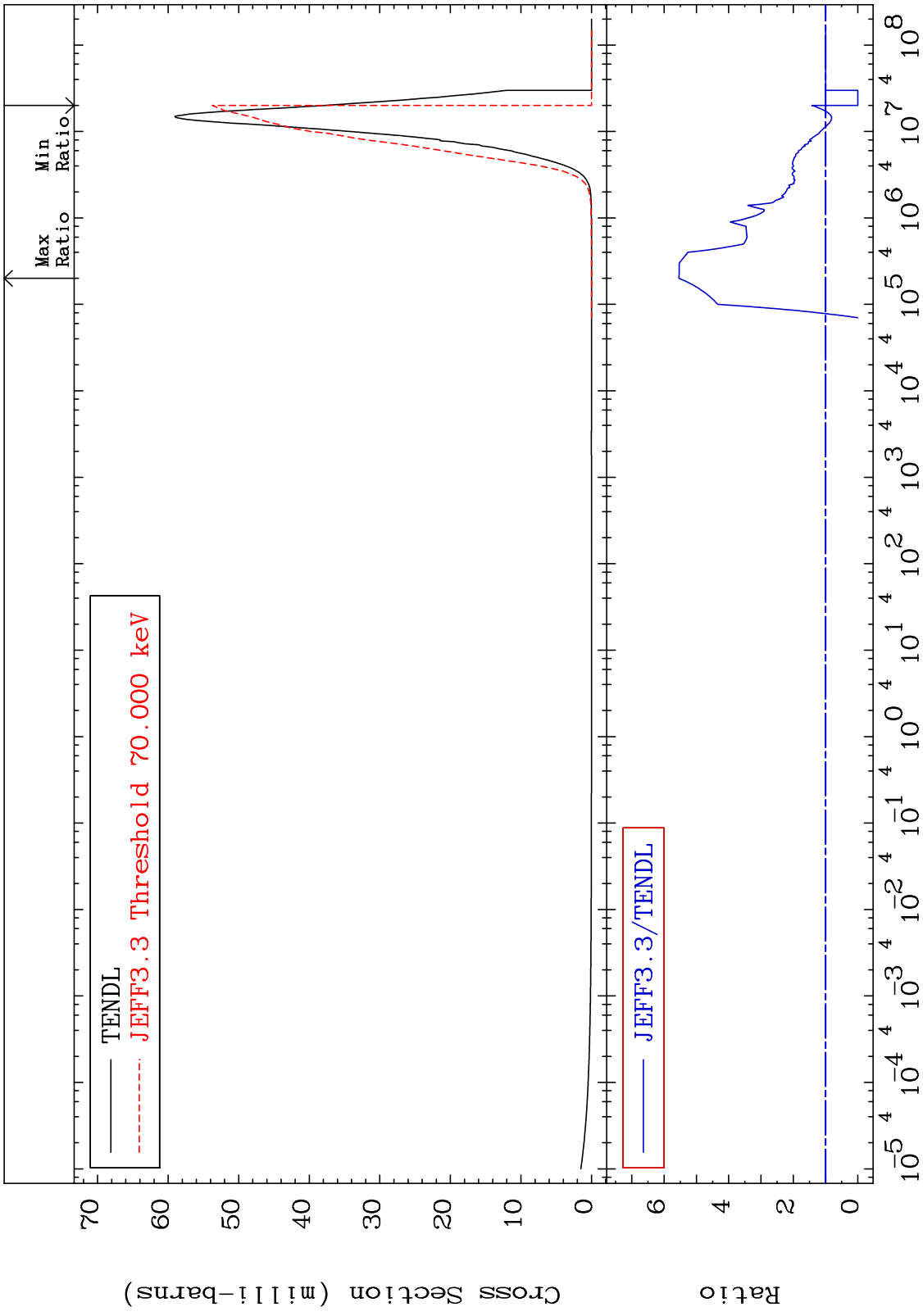
28-Ni-61

MAT 2834 (n,p) Cross Section 28-Ni-61 -100.0 To 9999. %



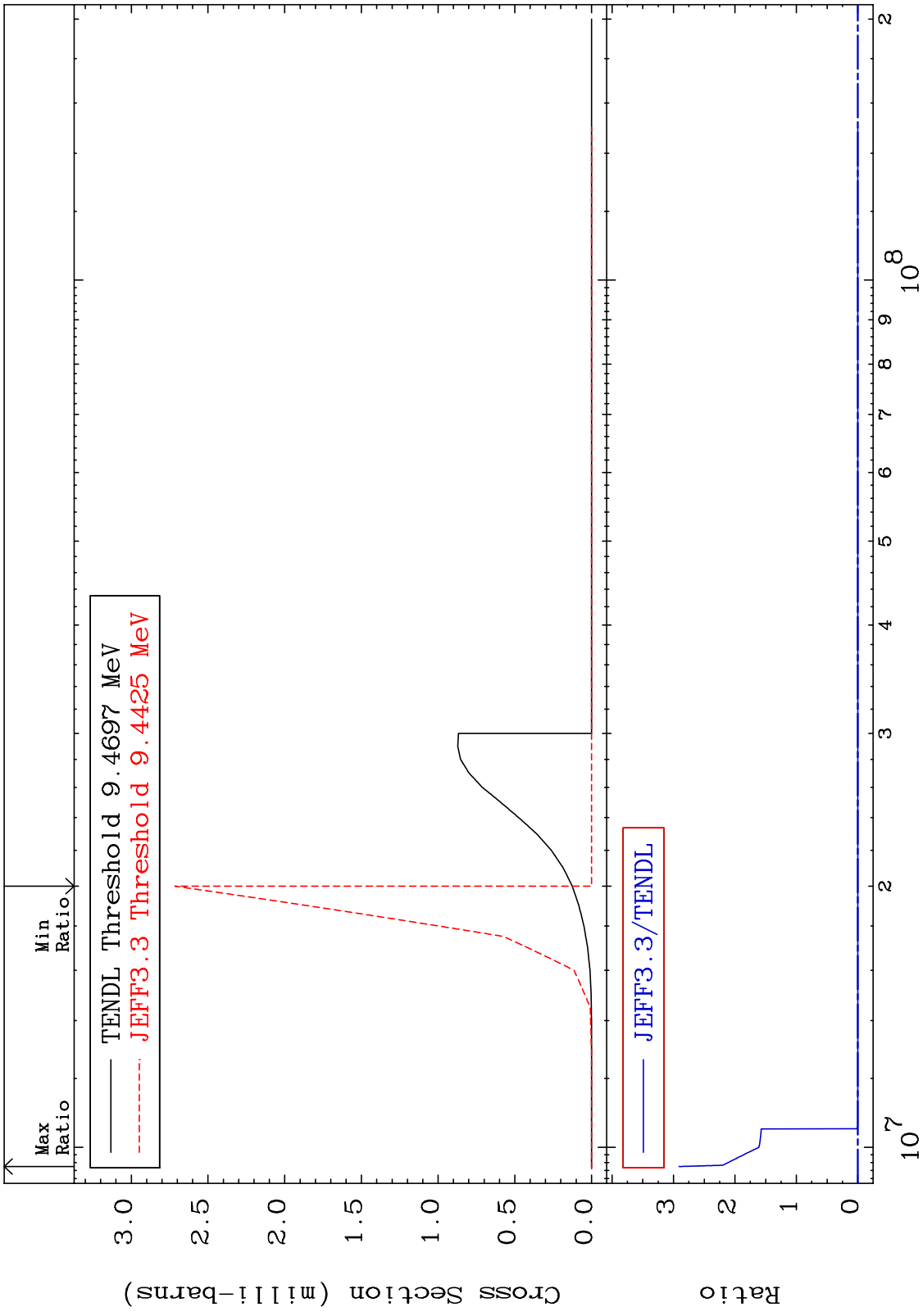
17 28-Ni-61 Incident Energy (eV)

MAT 2834 (n, α) $^{28}\text{Ni-61}$
 Cross Section -100.0 To 453.8 %



18 Incident Energy (eV) $^{28}\text{Ni-61}$

MAT 2834 (n,2p) Cross Section 28-Ni-61 -100.0 To 9999. %

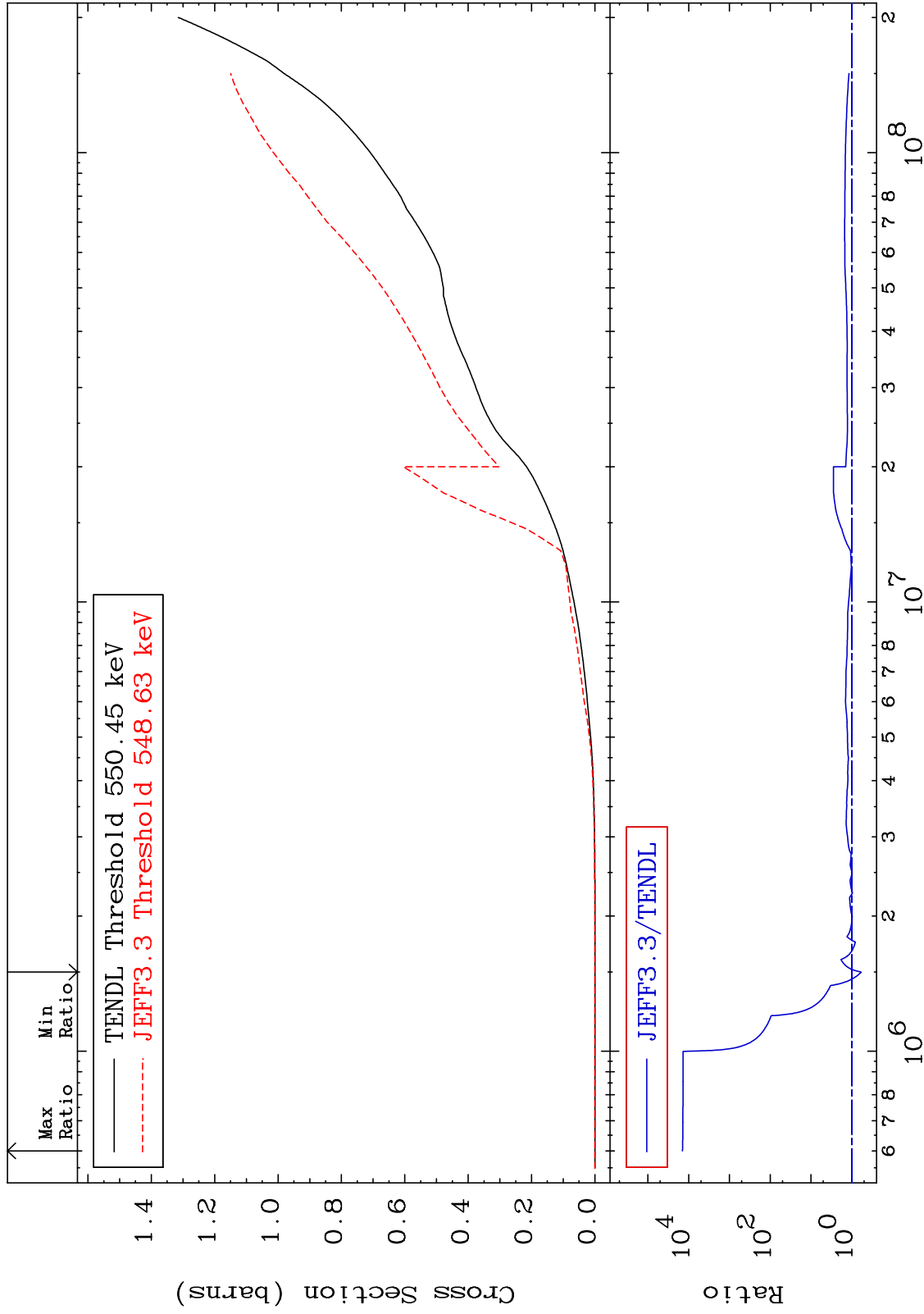


19 28-Ni-61

MAT 2834

Hydrogen Production
Cross Section

28-Ni-61
-41.58 To 9999. %

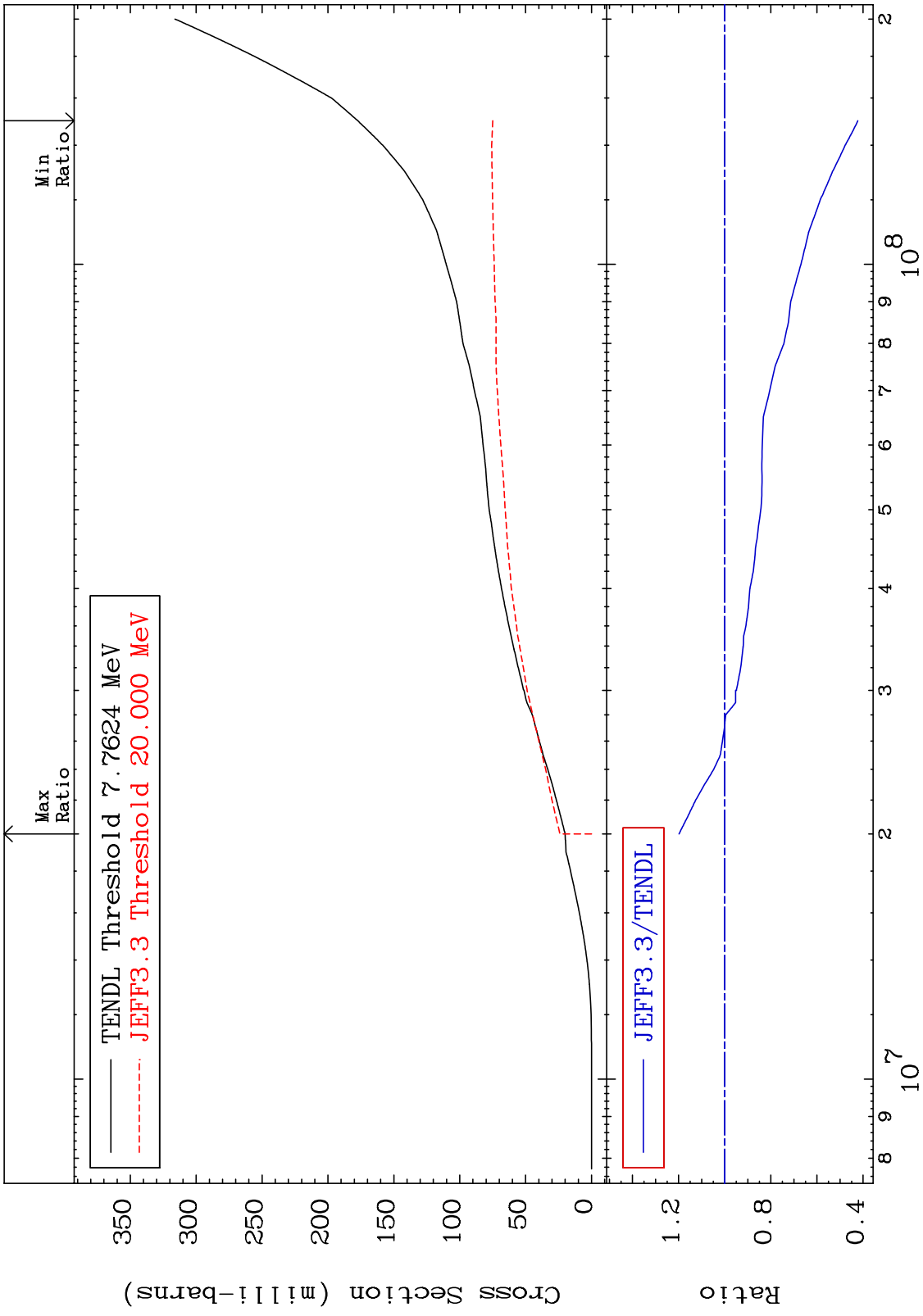


20

Incident Energy (eV)

28-Ni-61

MAT 2834 Deuterium Production Cross Section 28-Ni-61 -57.71 To 19.81 %

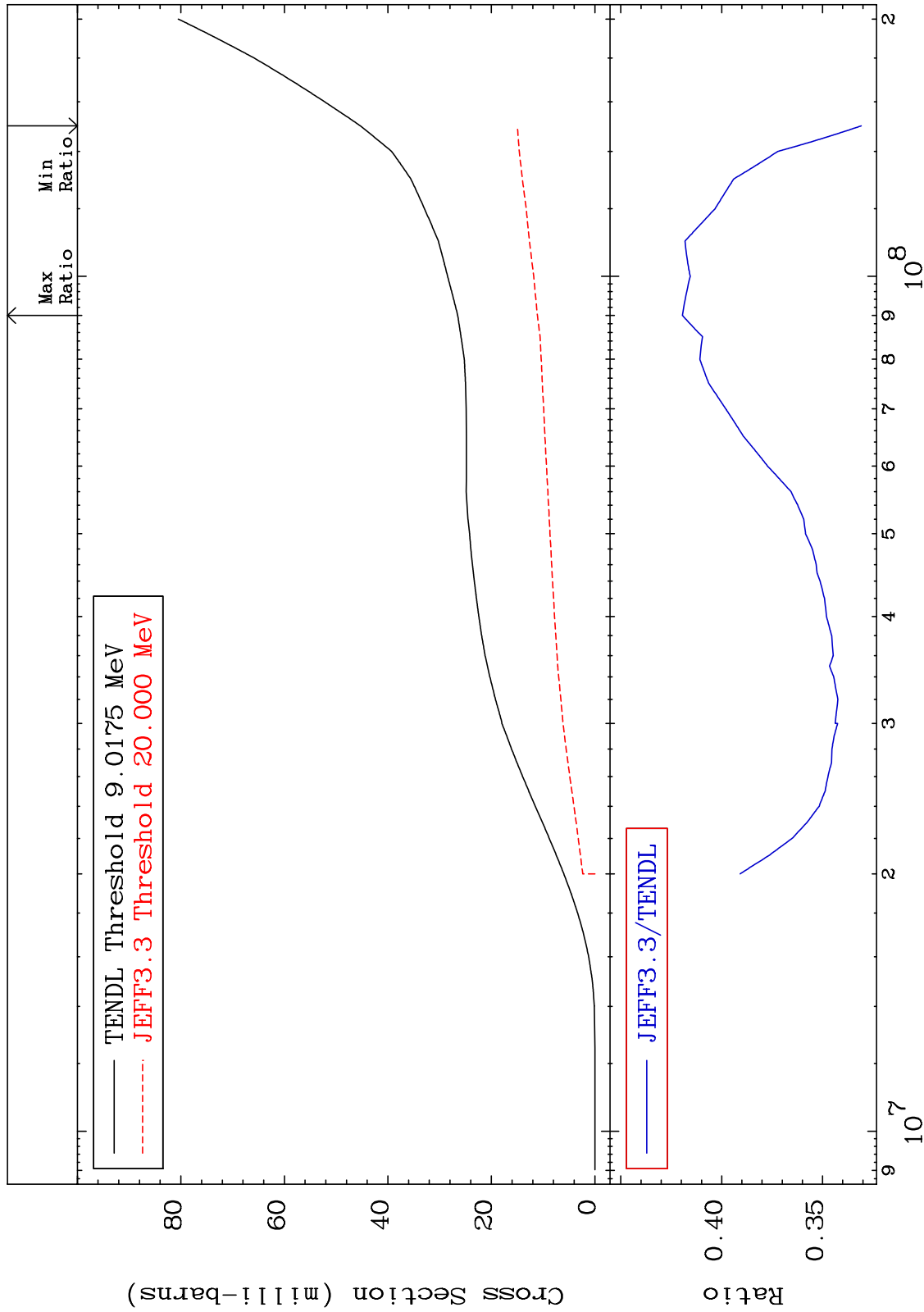


21 28-Ni-61

MAT 2834

Tritium Production
Cross Section

28-Ni-61
-66.92 To -58.05%



22

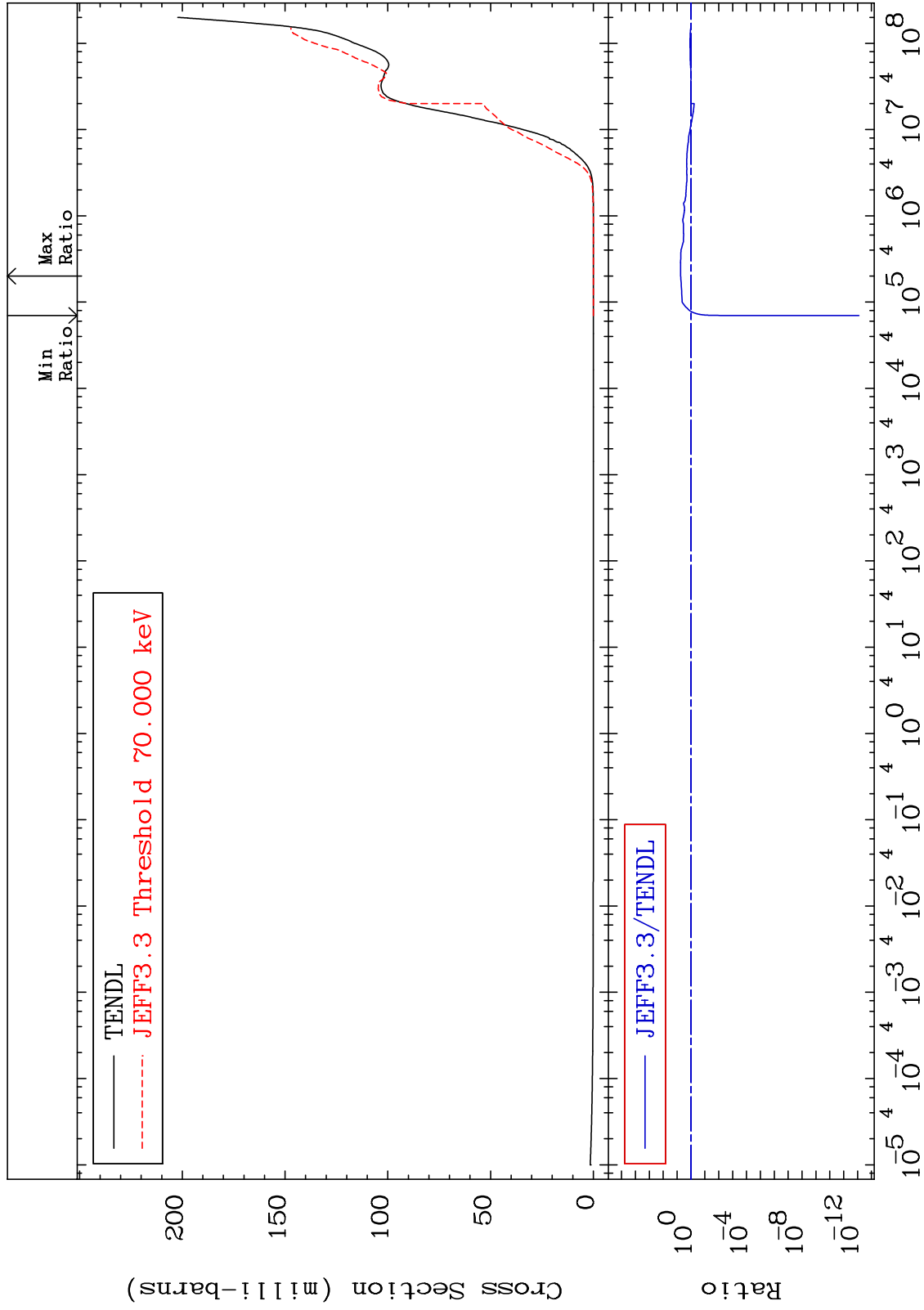
Incident Energy (eV)

28-Ni-61

MAT 2834

He-4 Production
Cross Section

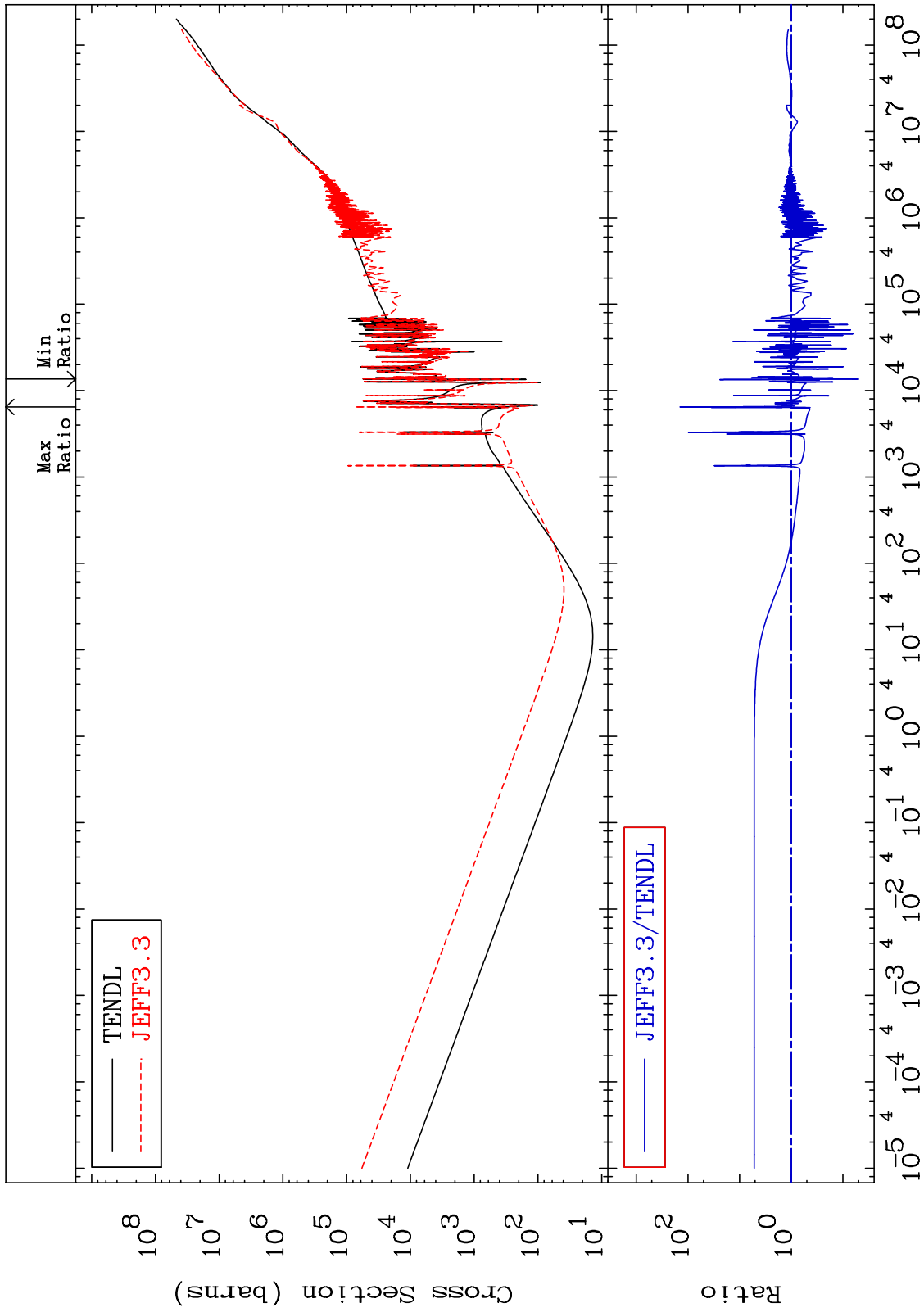
28-Ni-61
-100.0 To 453.8 %



MAT 2834

Kerma total (eV-barns)
Cross Section

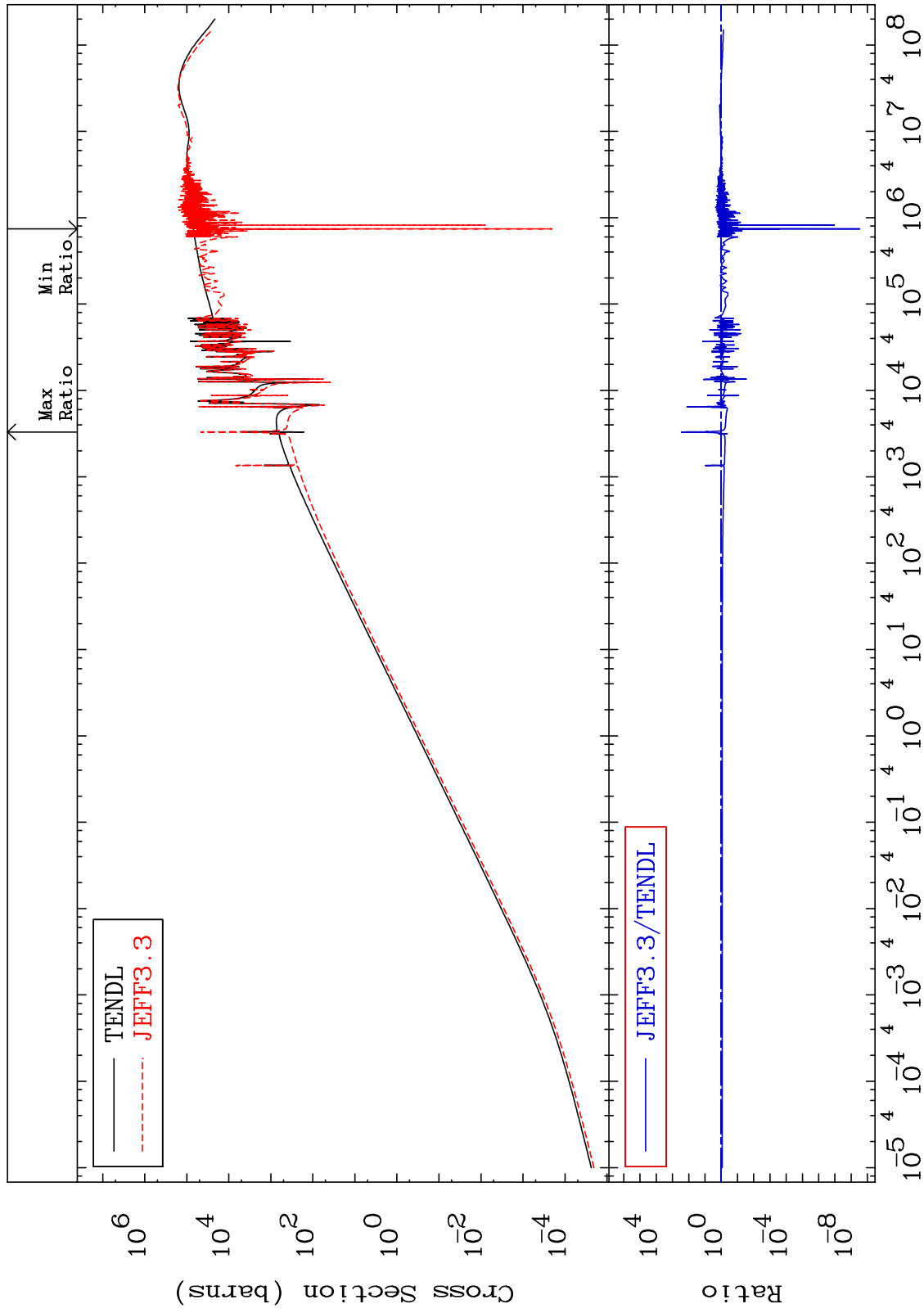
28-Ni-61
-95.08 To 9999. %



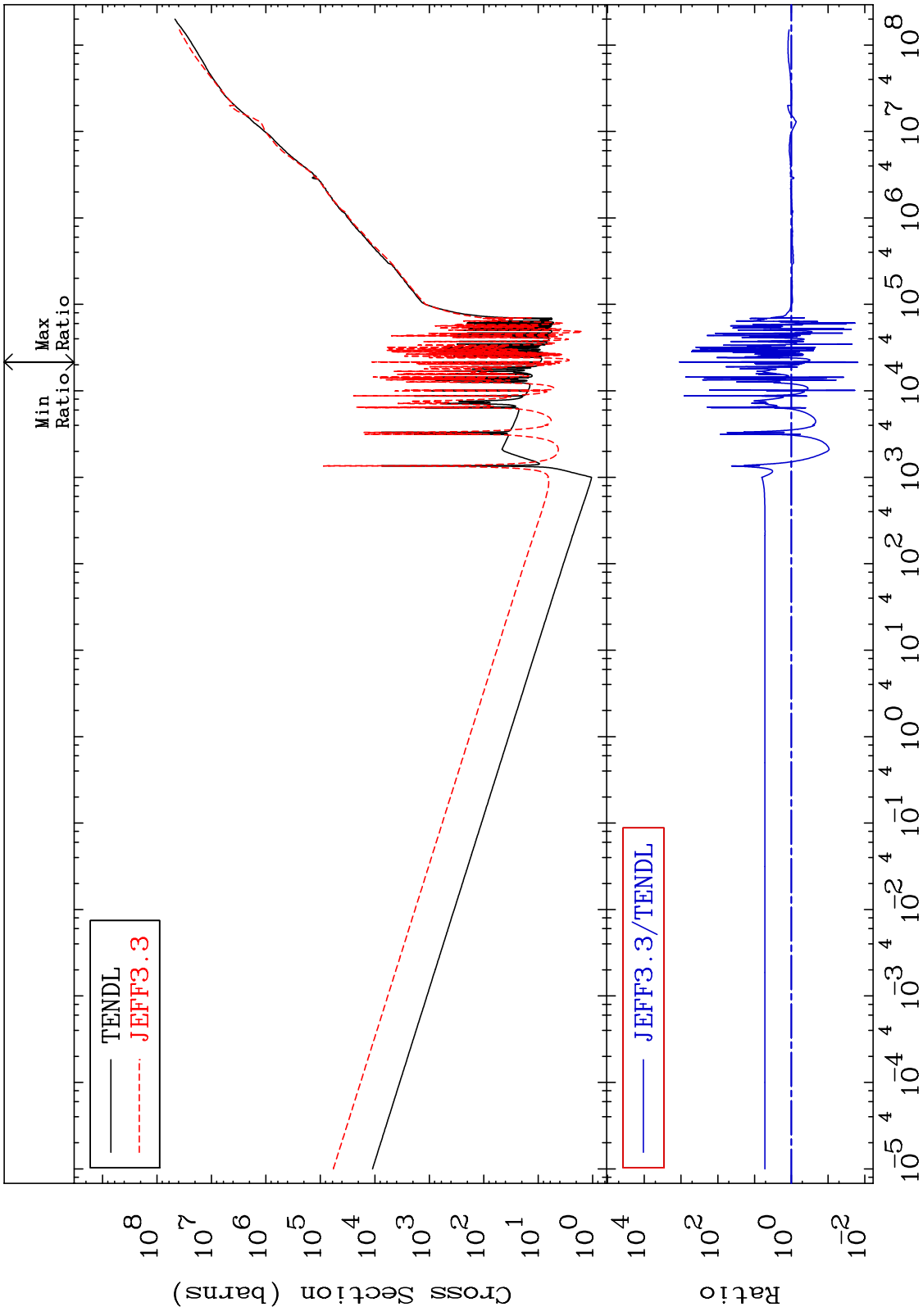
MAT 2834

Kerma elastic
Cross Section

28-Ni-61
-100.0 To 9999. %

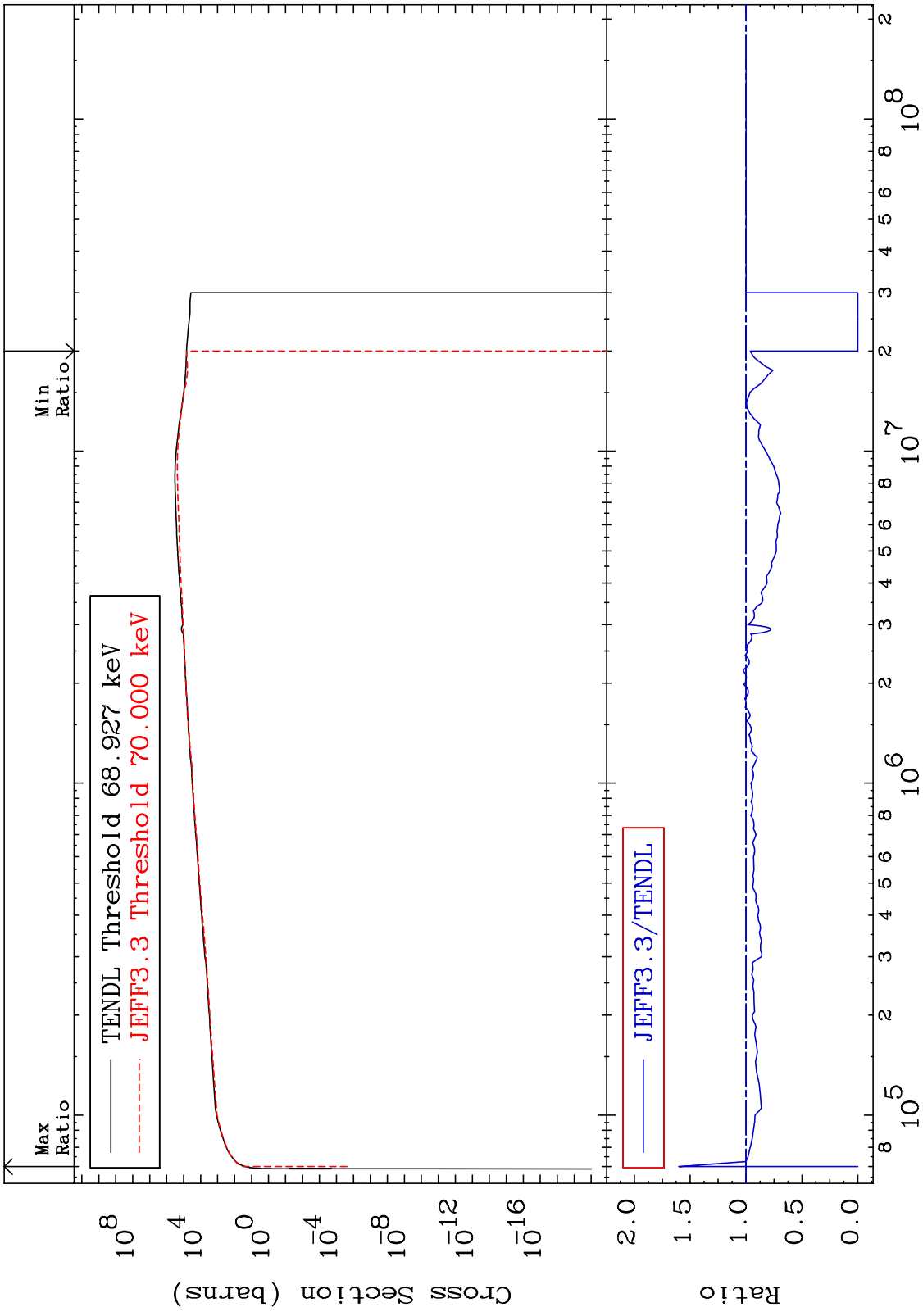


MAT 2834 Kerma non-elastic (all but mt2) 28-Ni-61
 -98.46 To 9999. %
 Cross Section



26 28-Ni-61

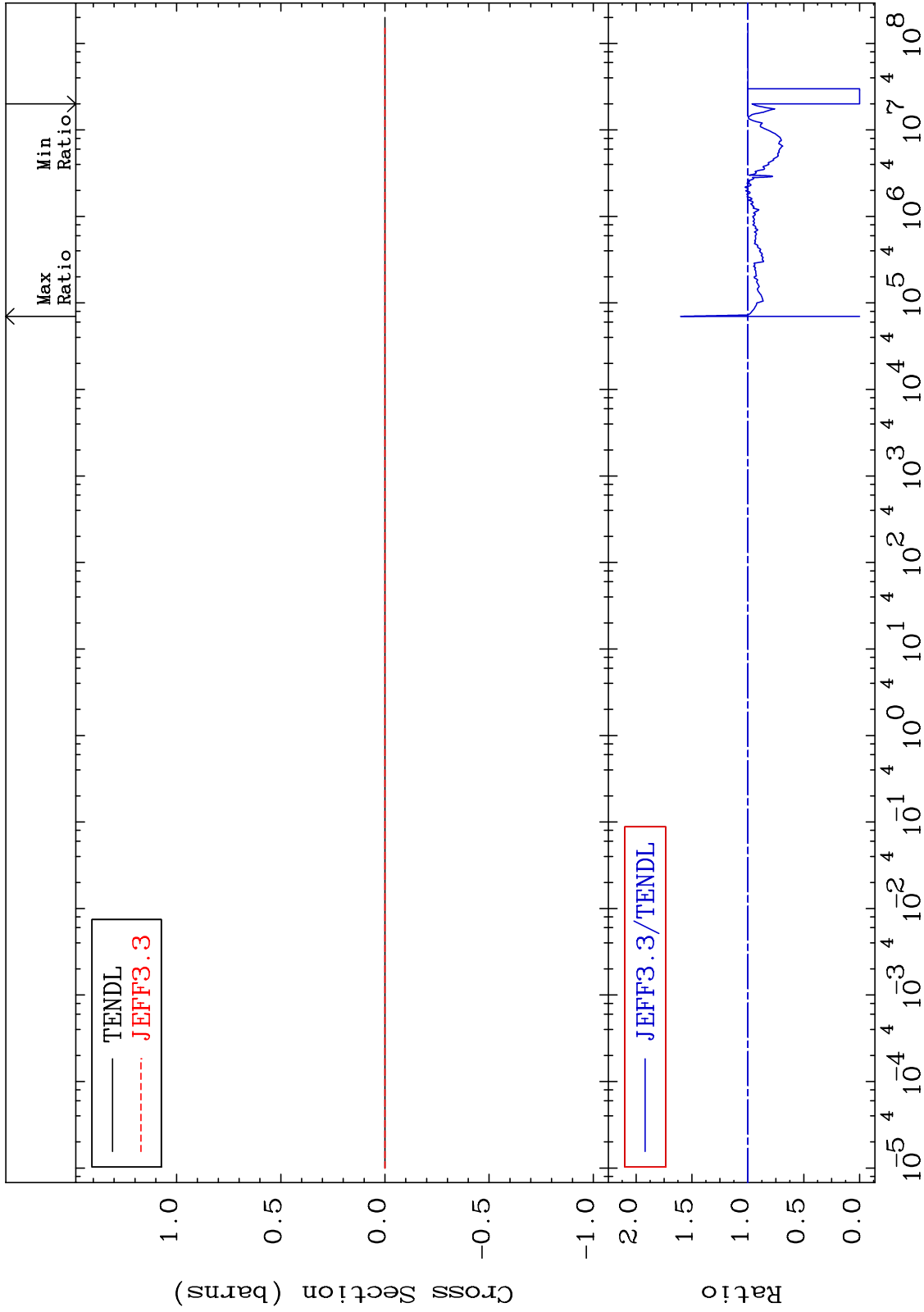
MAT 2834 Kerma inelastic (mt51-91) 28-Ni-61
 -100.0 To 59.98 %



MAT 2834

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

28-Ni-61
-100.0 To 59.98 %

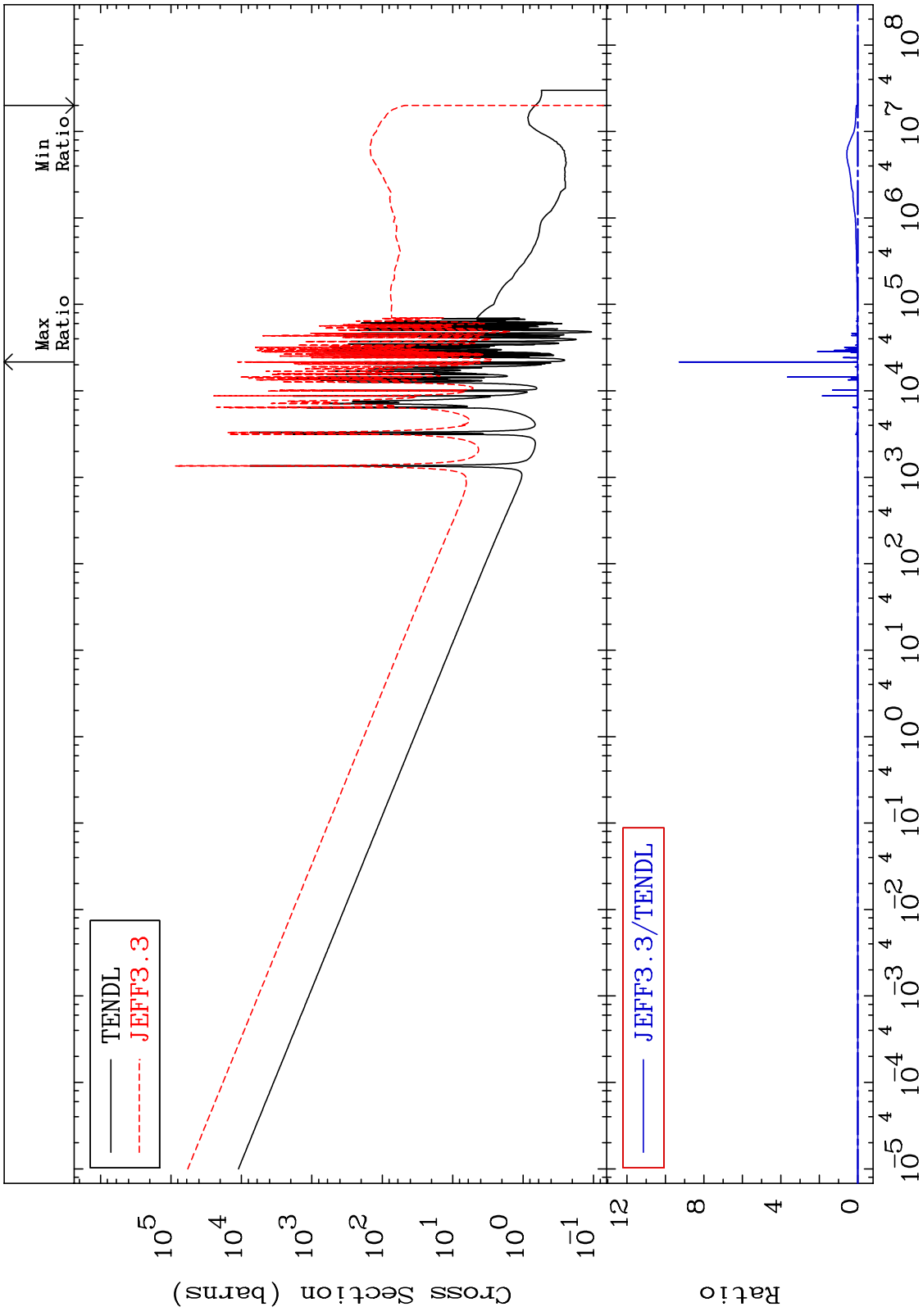


28

Incident Energy (eV)

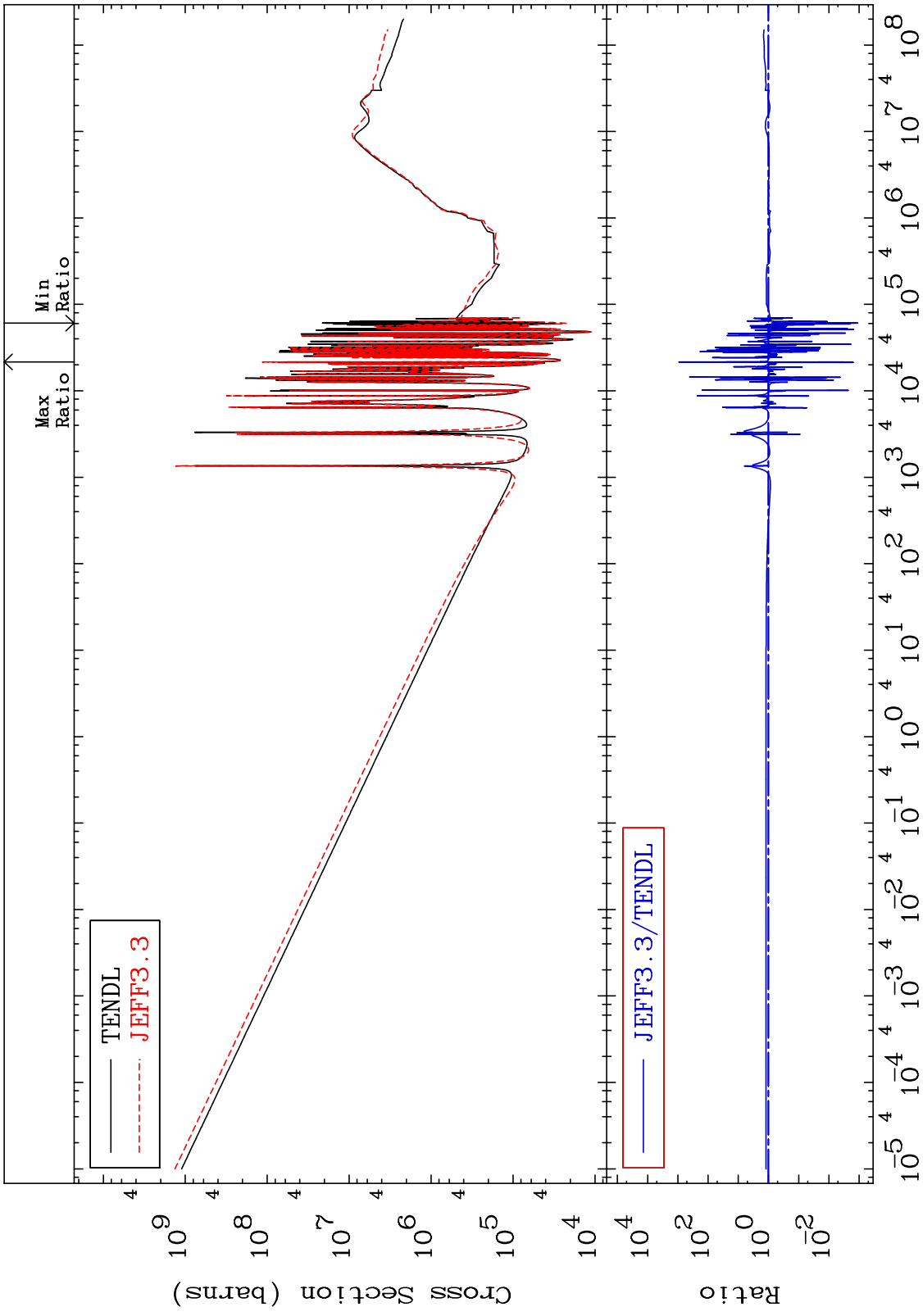
28-Ni-61

MAT 2834 Kerma capture (mt102) 28-Ni-61
 Cross Section -100.0 To 9999. %



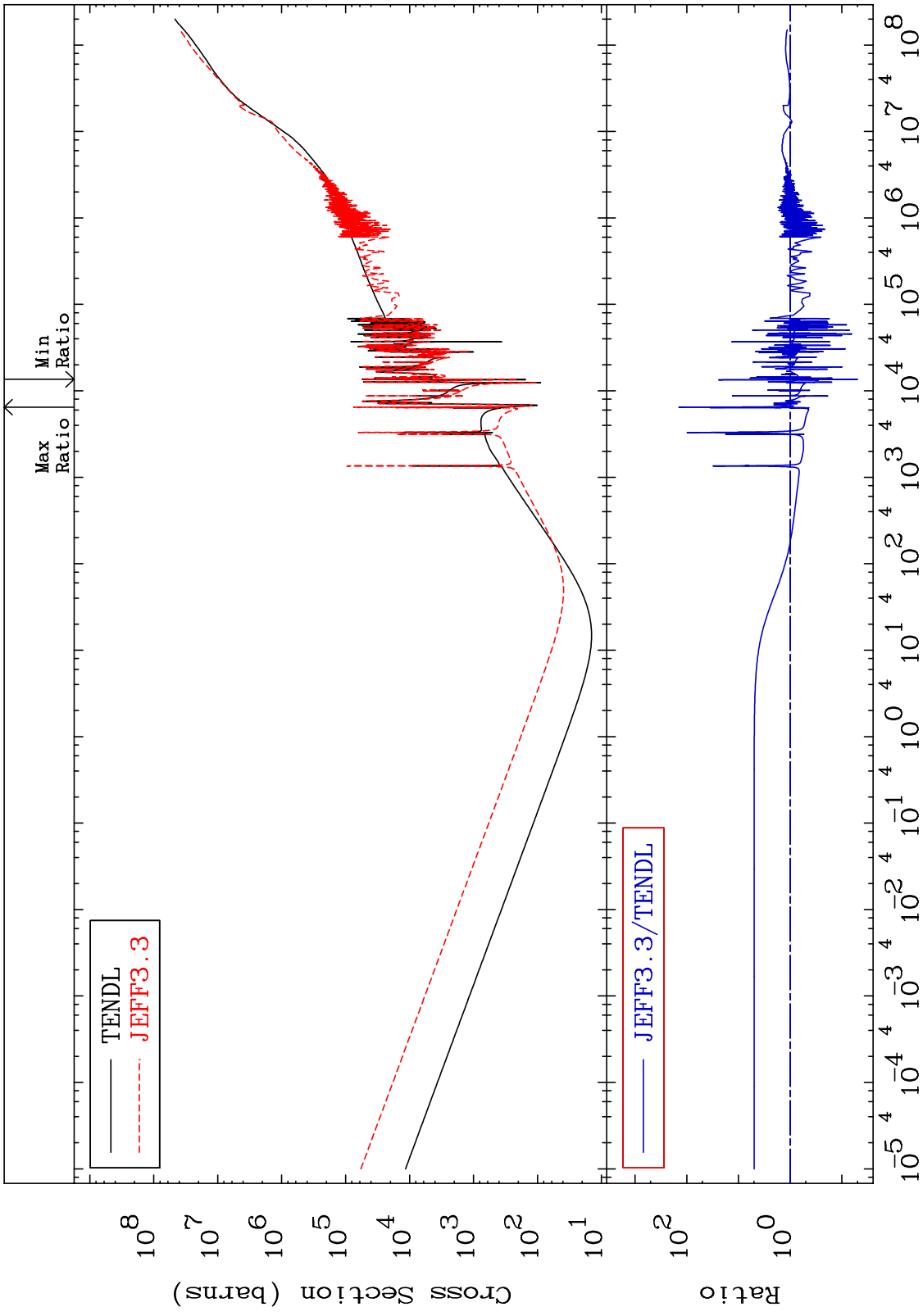
29 28-Ni-61

MAT 2834 28-Ni-61
 Total photon (eV-barns) -99.89 To 9999. %
 Cross Section



Incident Energy (eV) 28-Ni-61

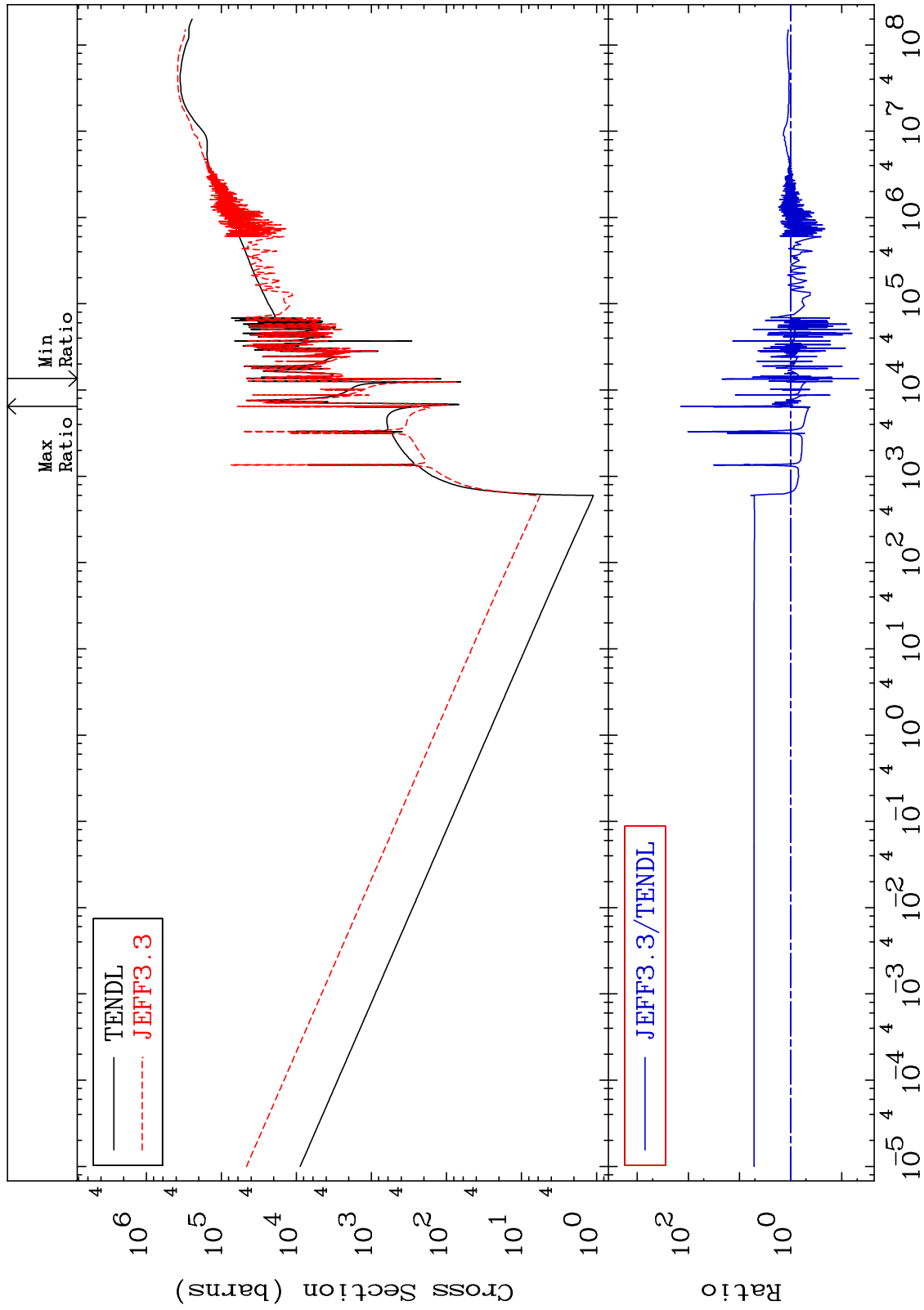
MAT 2834 Total kinematic kerma (high limit) 28-Ni-61
 Cross Section -95.08 To 9999. %



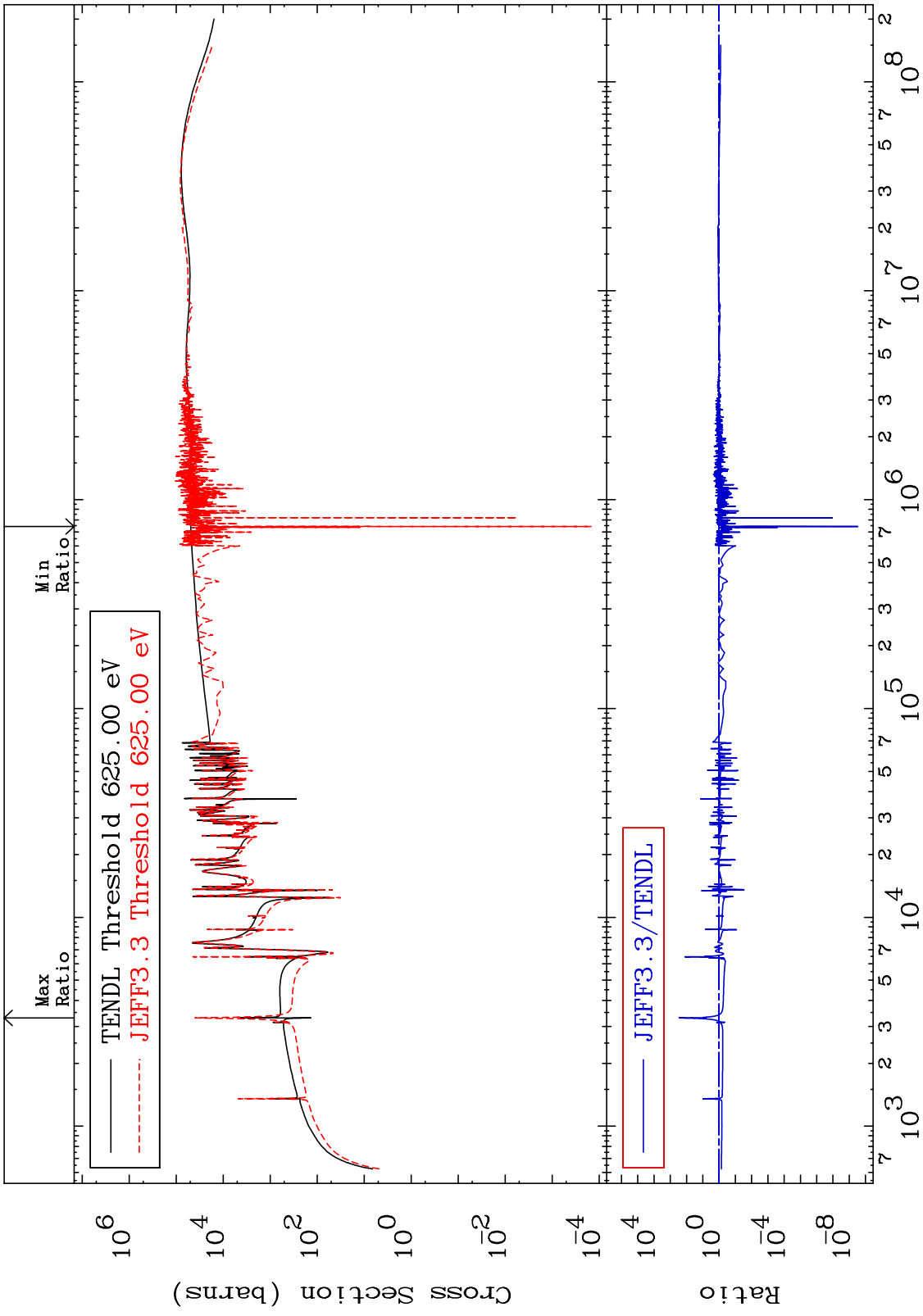
MAT 2834

Dpa total (eV-barns)
Cross Section

28-Ni-61
-95.39 To 9999. %



MAT 2834 28-Ni-61
 Dpa elastic (mt2) -100.0 To 9999. %
 Cross Section

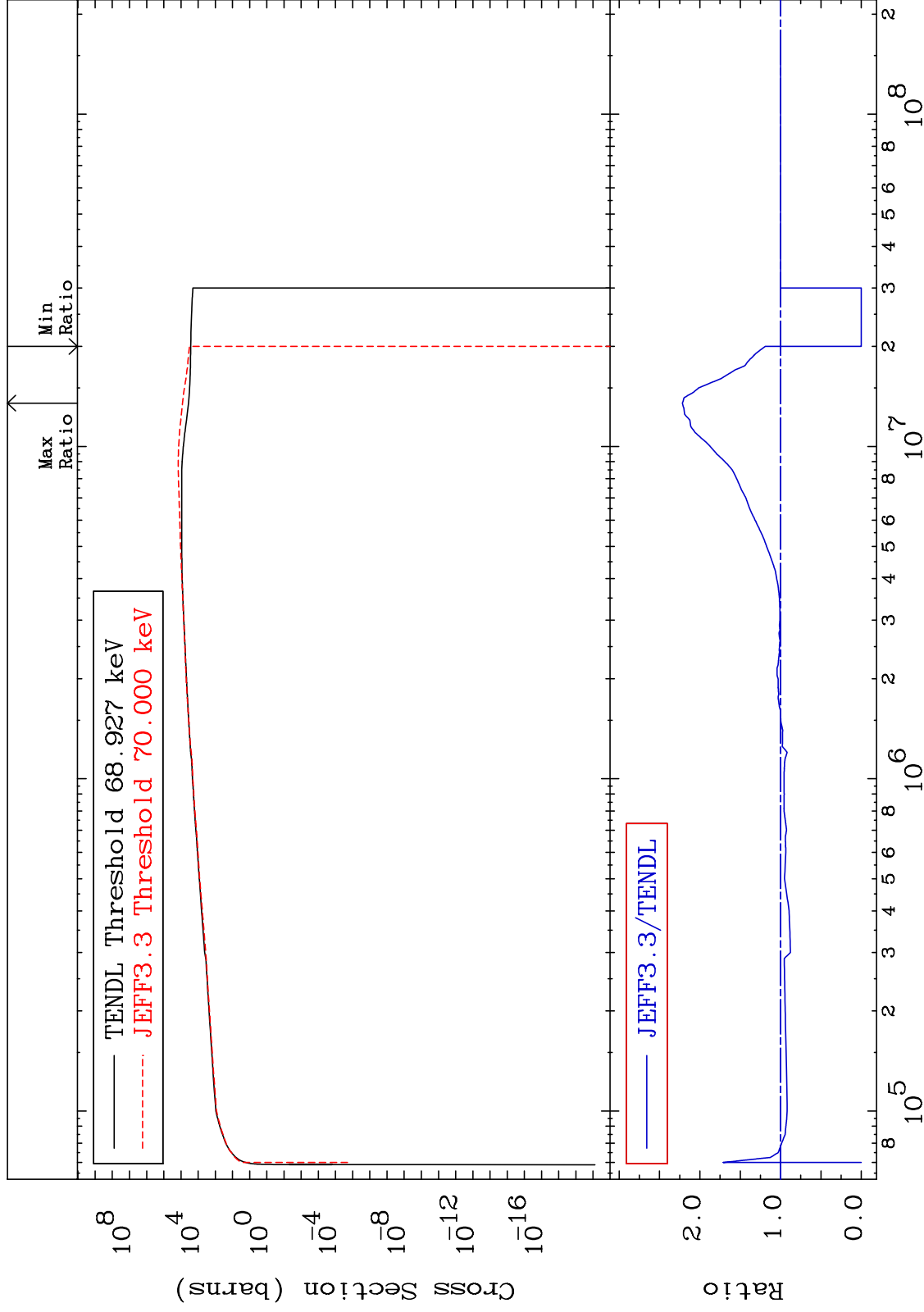


33 28-Ni-61

MAT 2834

Dpa inelastic (mt51-91)
Cross Section

28-Ni-61
-100.0 To 121.6 %

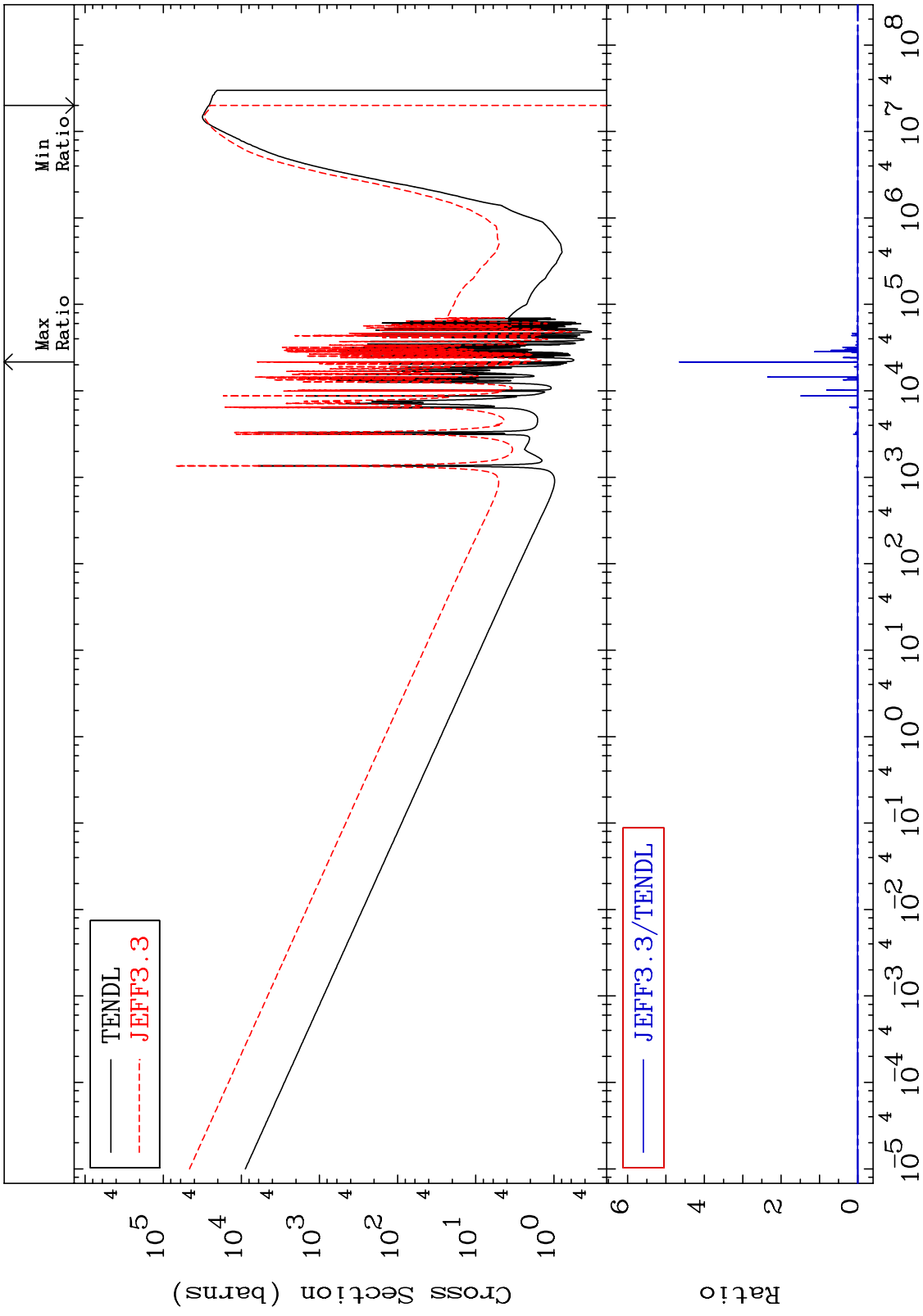


34

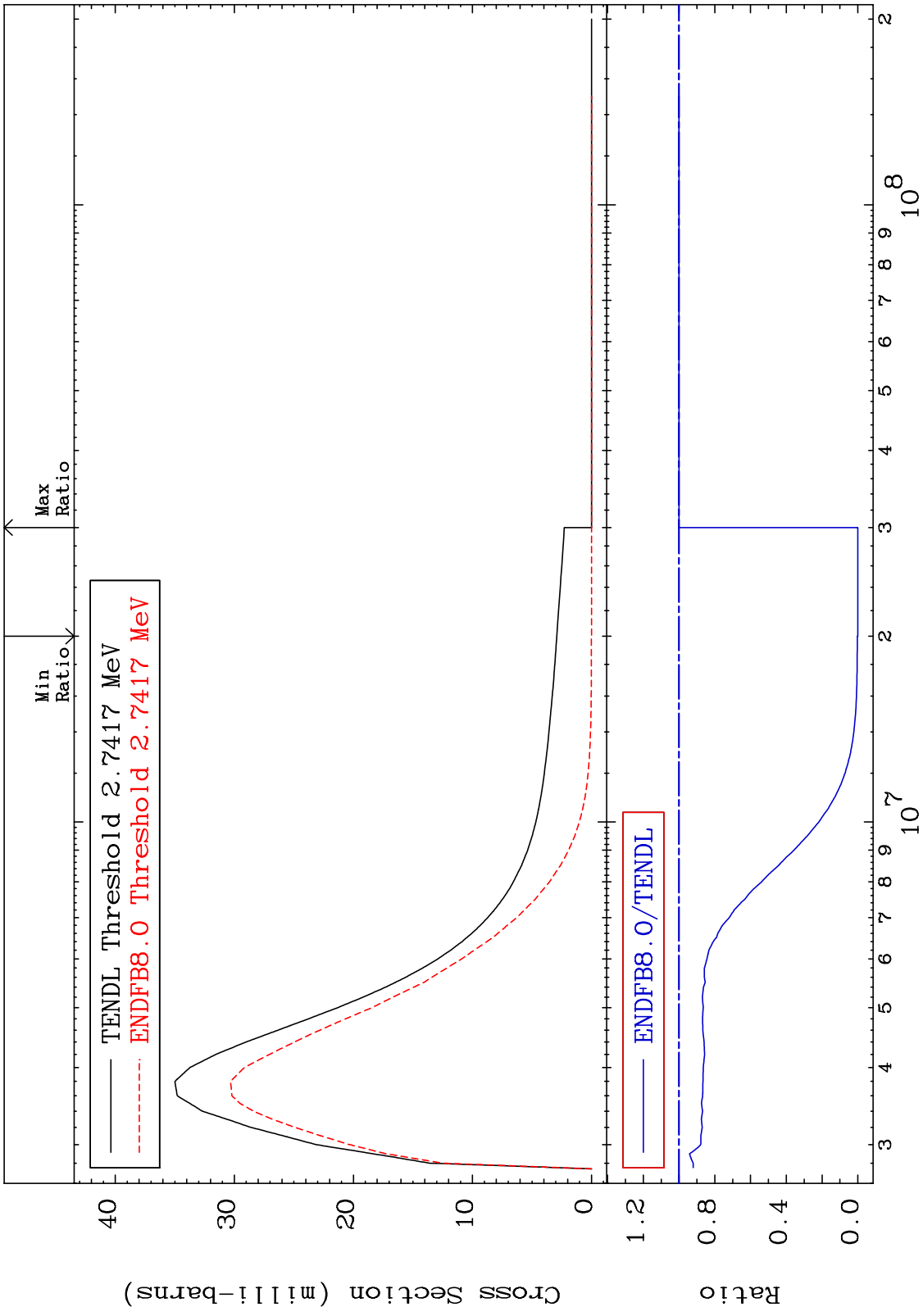
Incident Energy (eV)

28-Ni-61

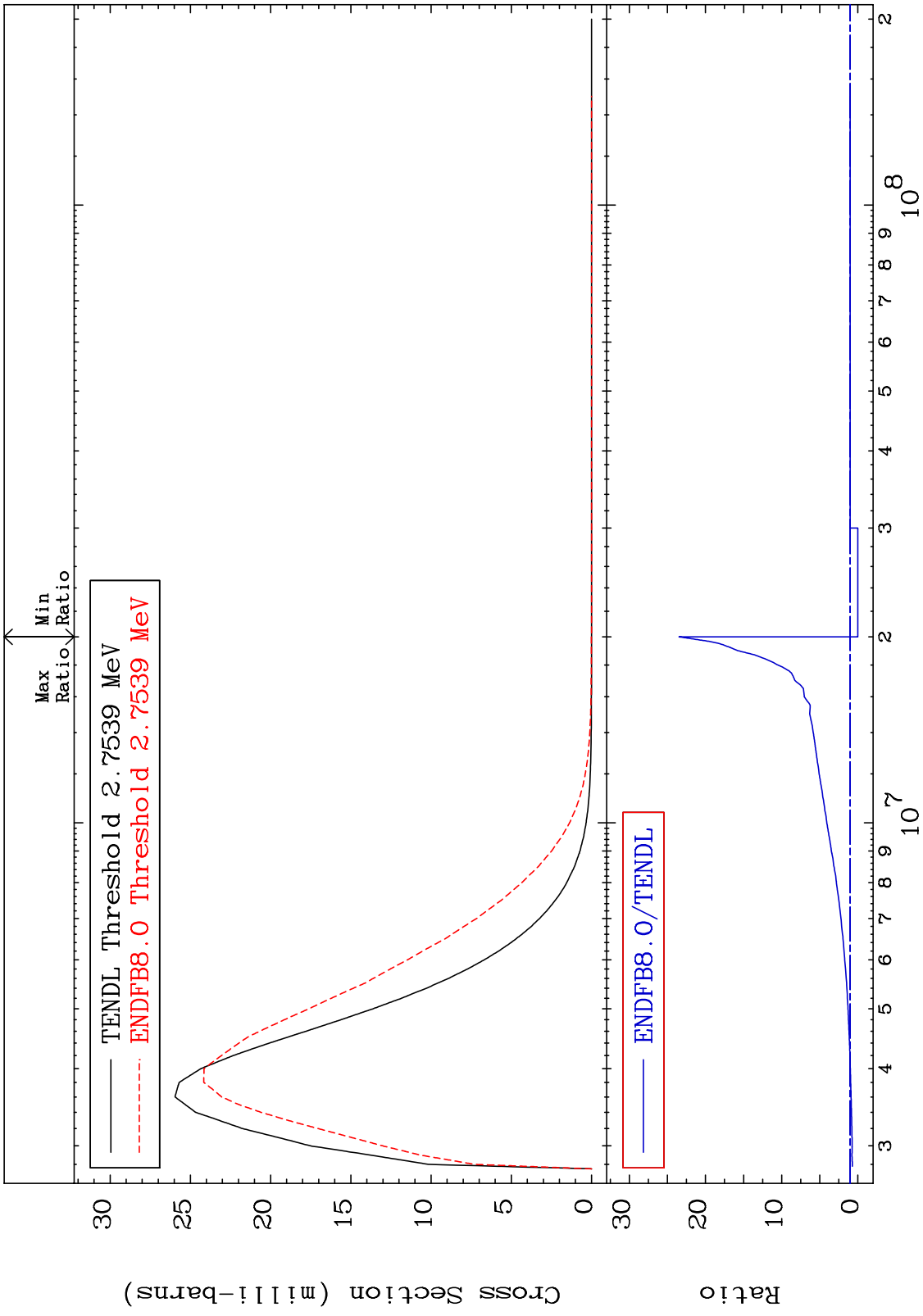
MAT 2834 Dpa disappearance (mt102 -120) 28-Ni-61
 Cross Section -100.0 To 9999. %



MAT 2834 MT= 77 (n,n') Level Cross Section -100.0 To 0.000 % 28-Ni-61

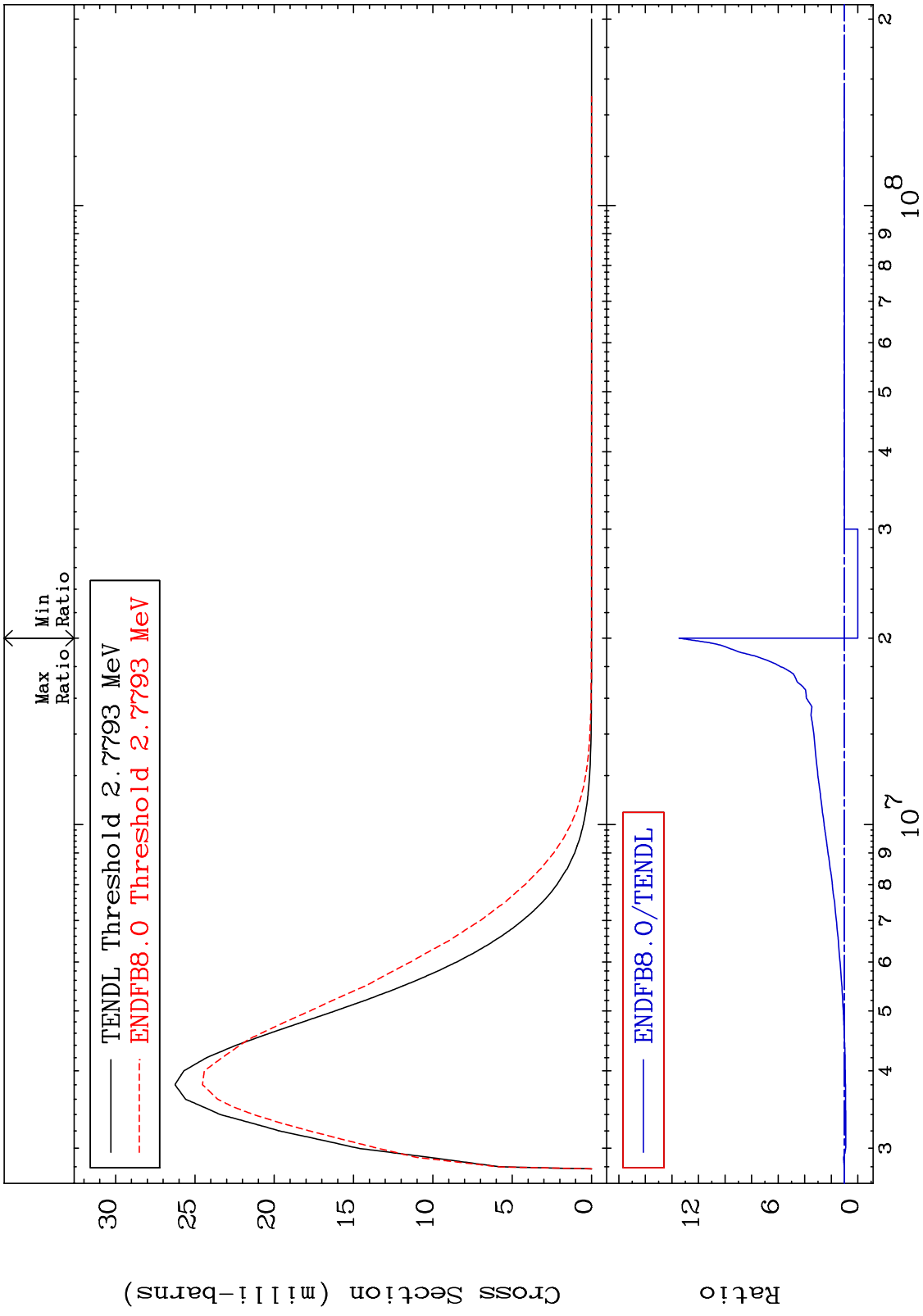


MAT 2834 MT= 78 (n,n') Level Cross Section -100.0 To 2247. % 28-Ni-61

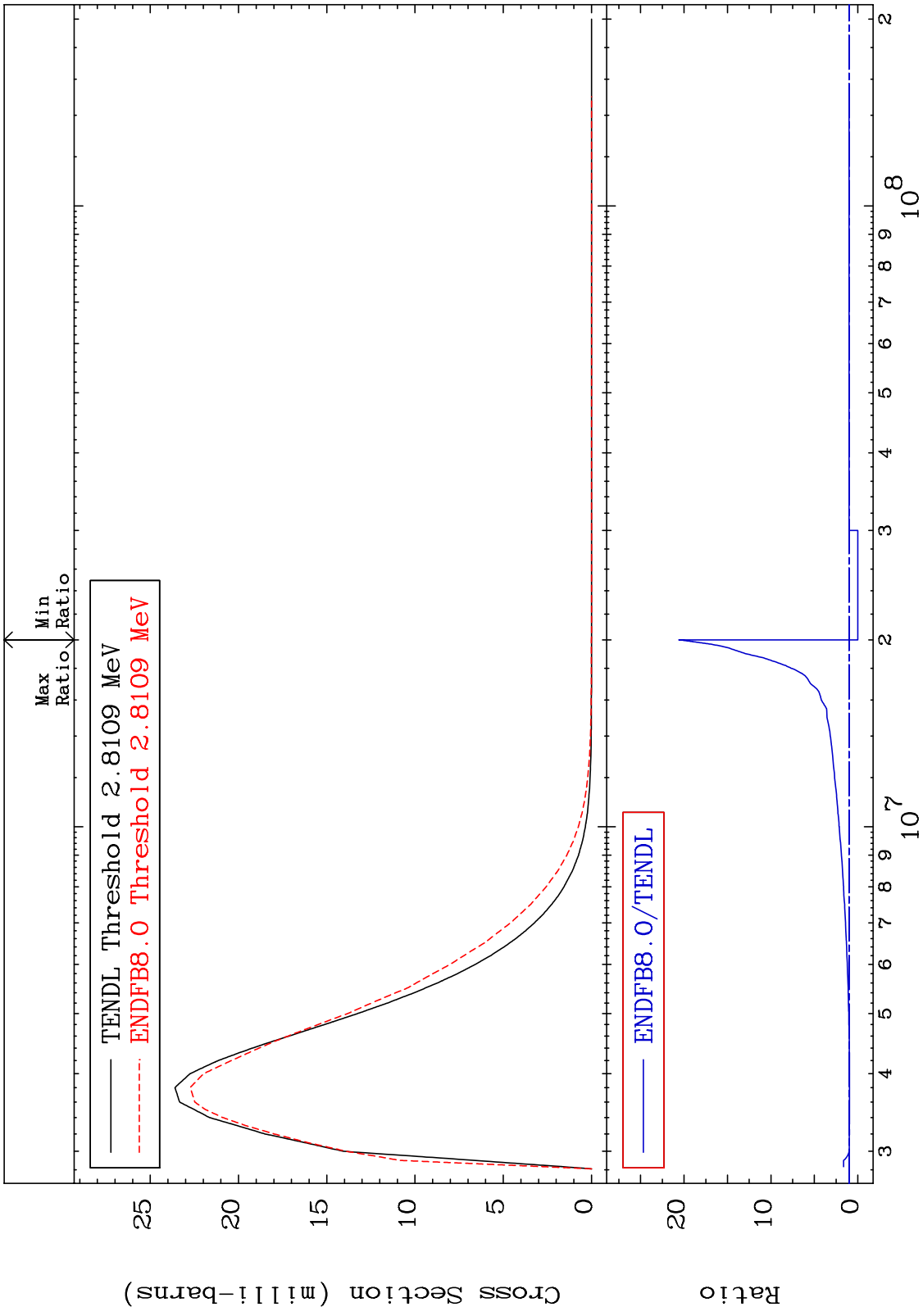


37 Incident Energy (eV) 28-Ni-61

MAT 2834 MT= 79 (n,n') Level Cross Section -100.0 To 1247. % 28-Ni-61



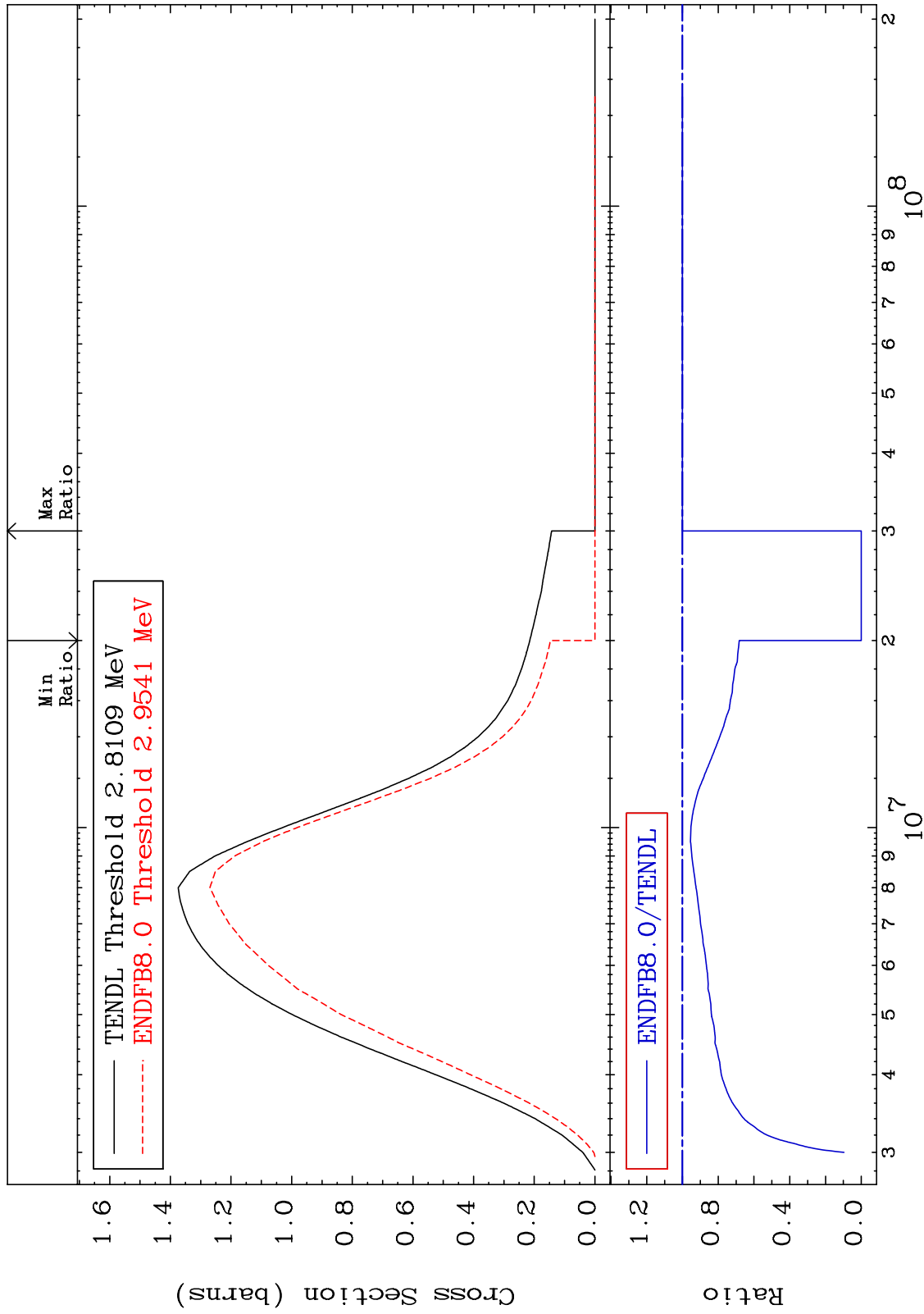
MAT 2834 MT= 80 (n,n') Level Cross Section -100.0 To 1958. % 28-Ni-61



MAT 2834

(n,n') Continuum
Cross Section

28-Ni-61
-100.0 To 0.000 %



40

Incident Energy (eV)

28-Ni-61

MAT 2834

(n, γ)

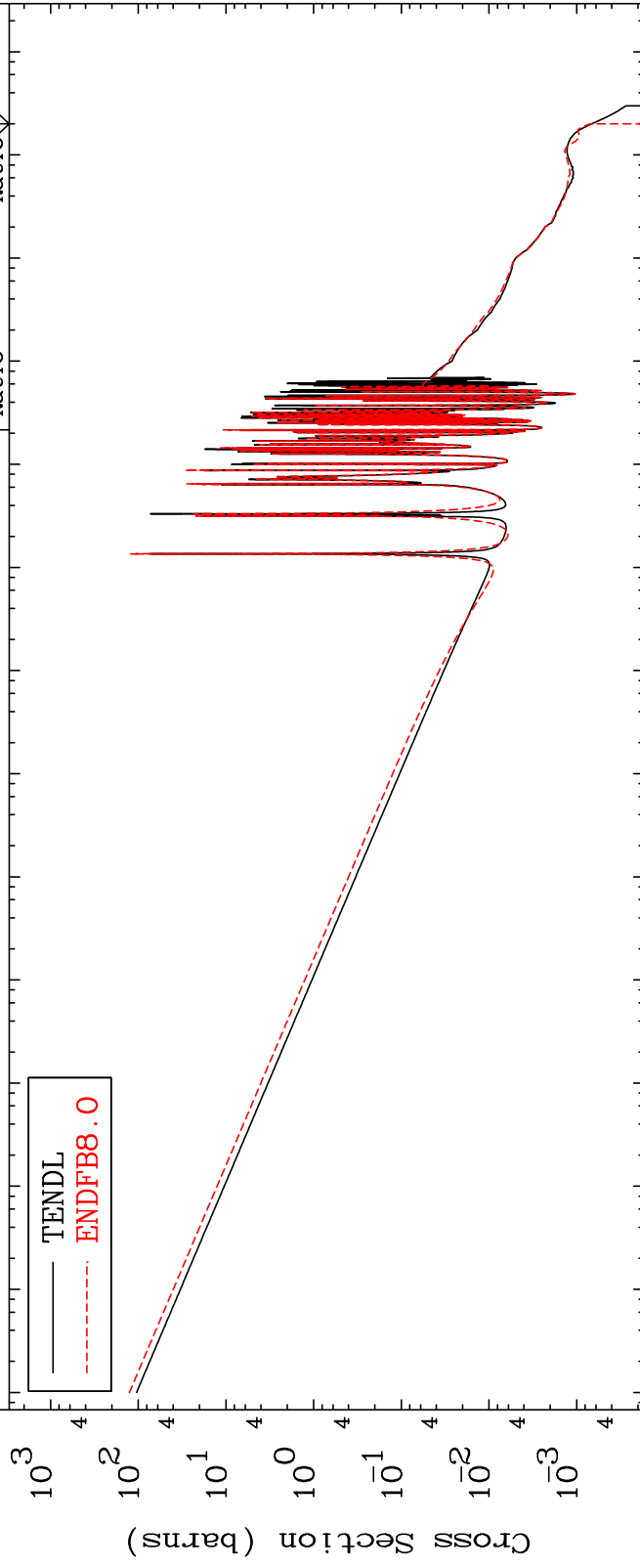
28-Ni-61

Cross Section

-100.0 To 9999. %

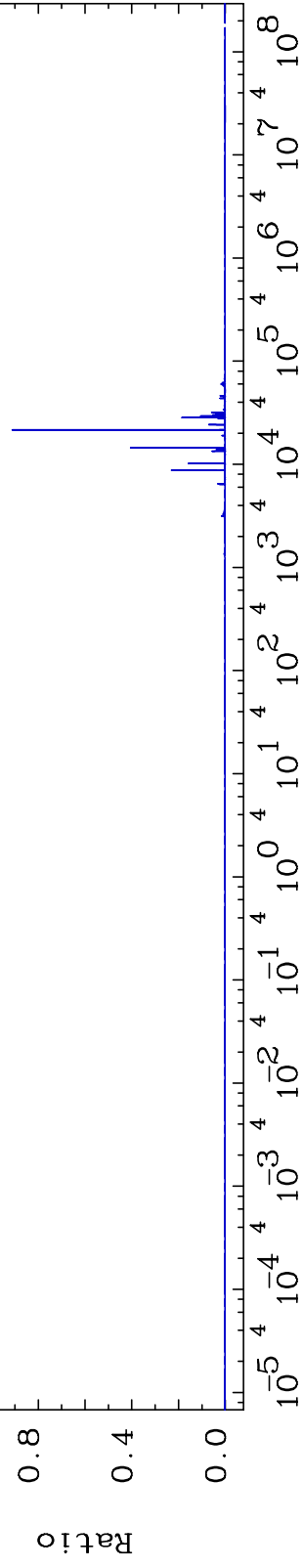
Max Ratio

Min Ratio



— TENDL
- - - ENDFB8.0

— ENDFB8.0/TENDL



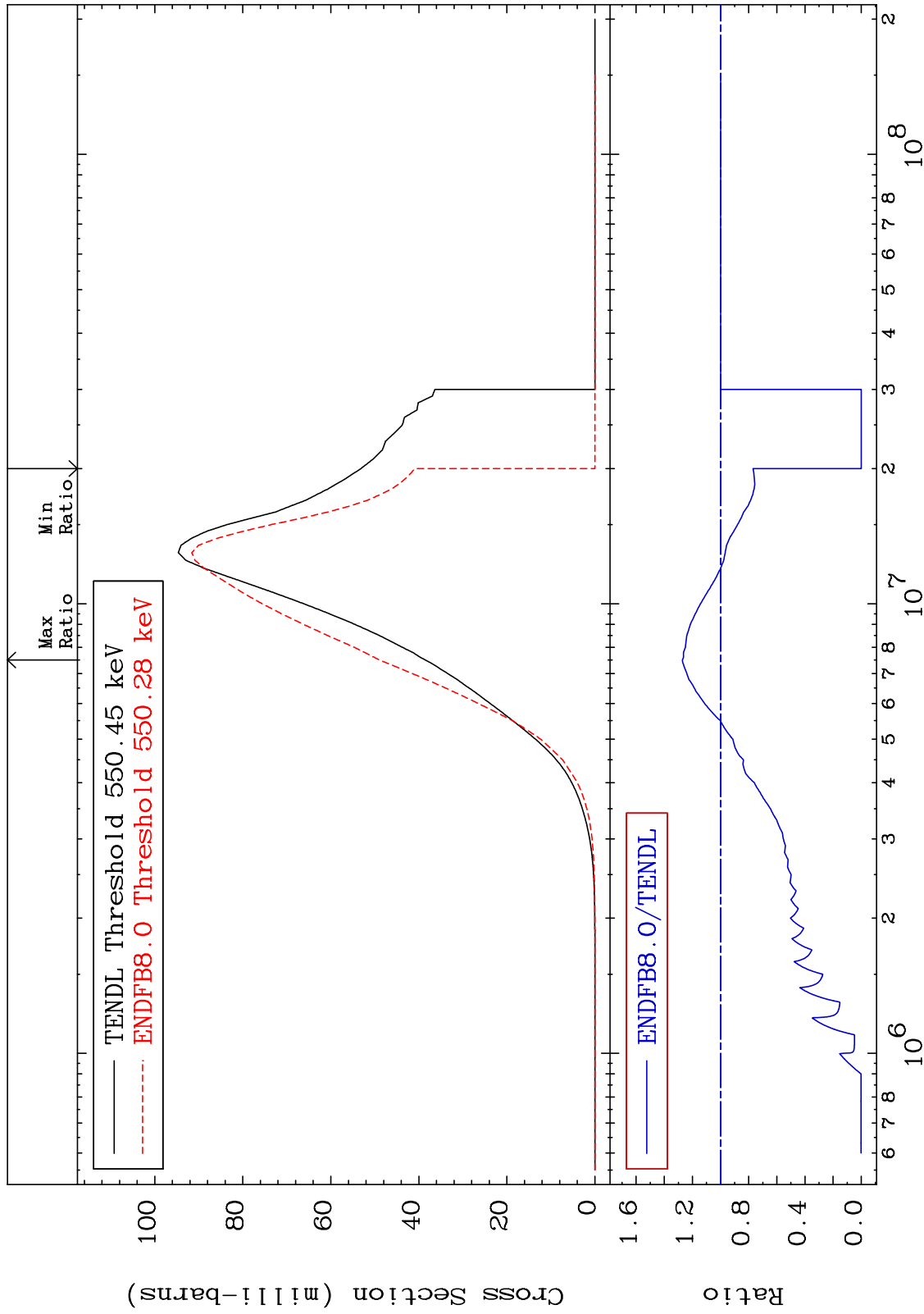
41

Incident Energy (eV)

28-Ni-61

MAT 2834

(n,p) Cross Section
28-Ni-61
-100.0 To 27.08 %

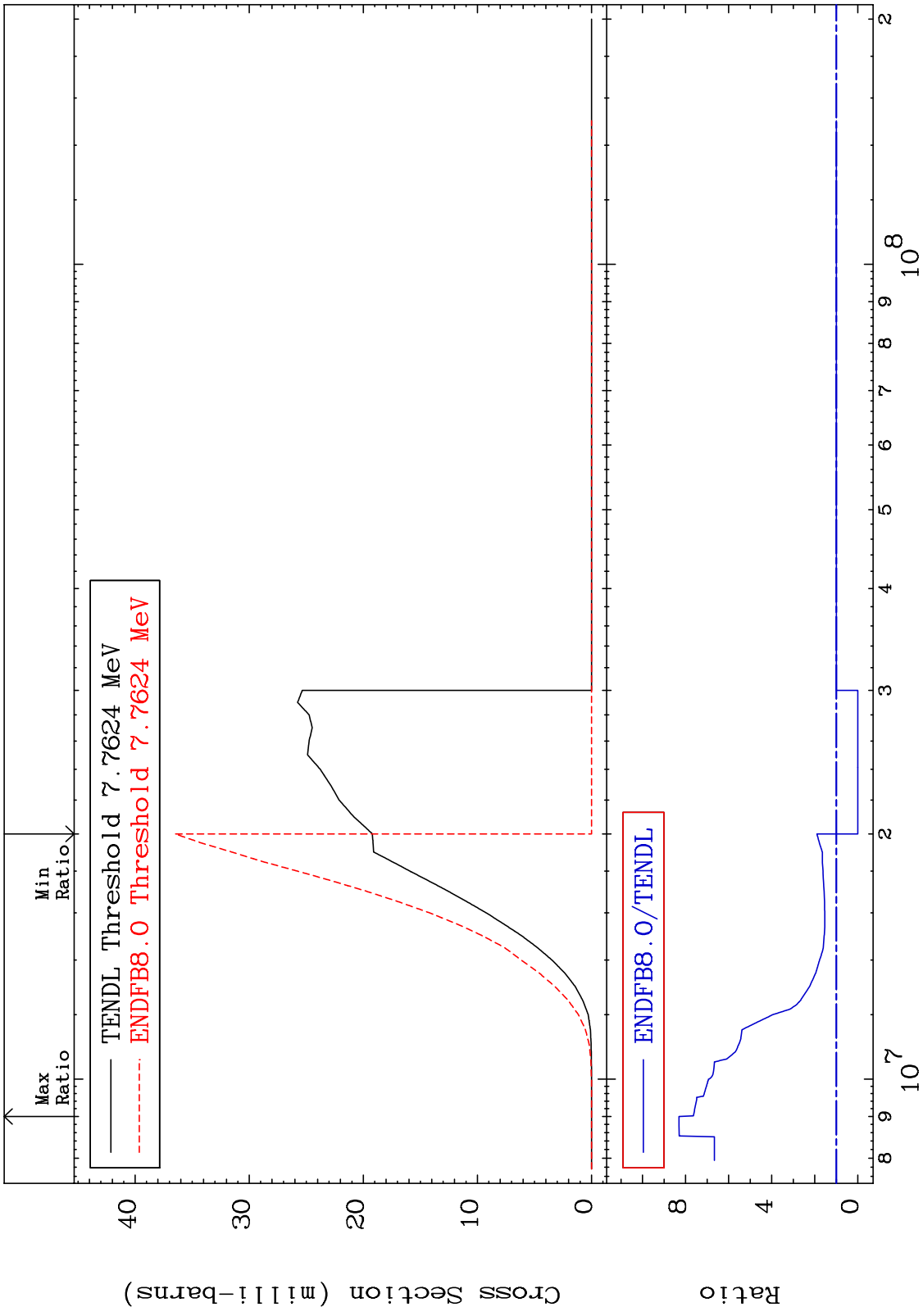


42

Incident Energy (eV)

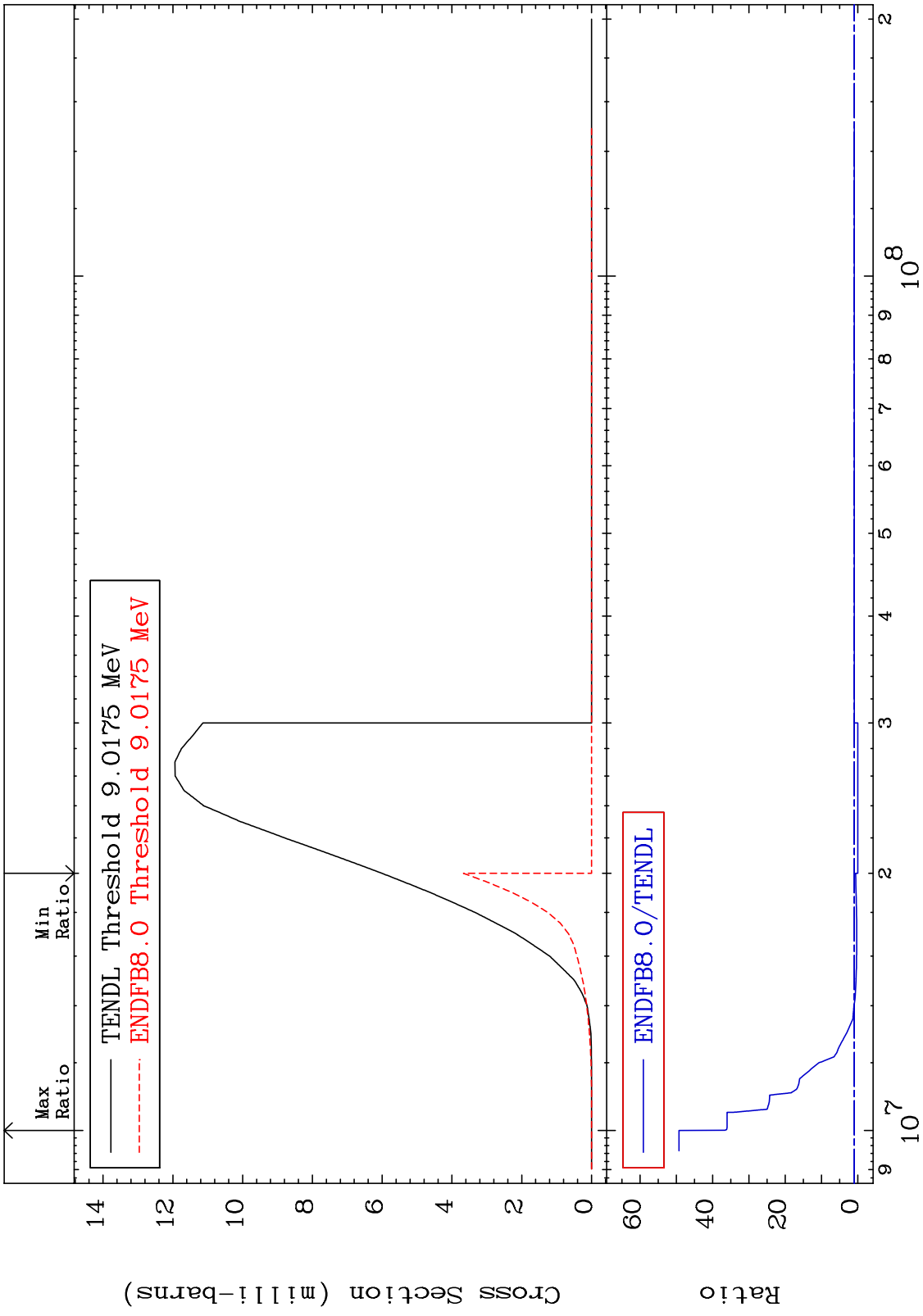
28-Ni-61

MAT 2834 (n,d) 28-Ni-61
 Cross Section -100.0 To 730.2 %

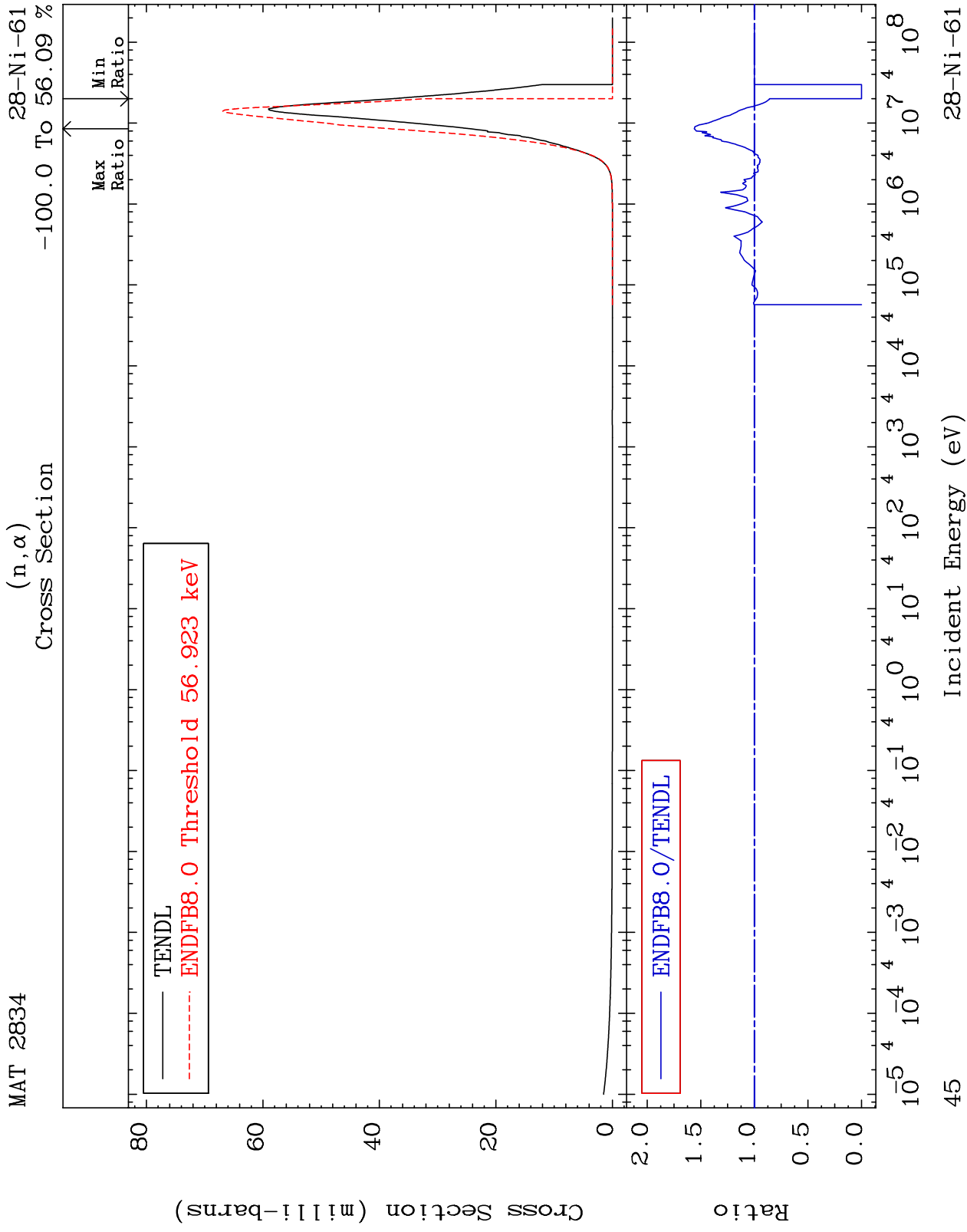


43 28-Ni-61

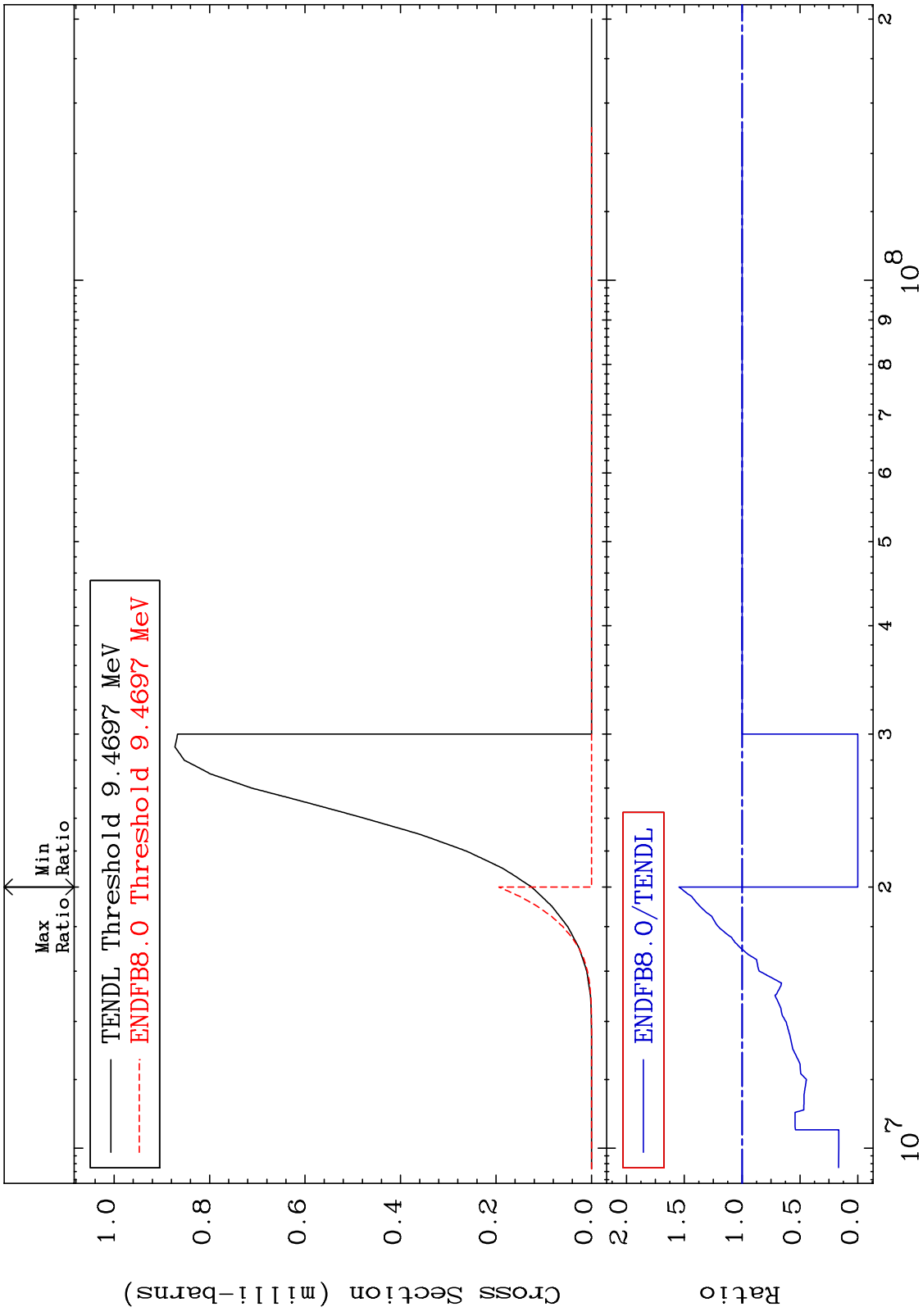
MAT 2834 (n,t) 28-Ni-61
 Cross Section -100.0 To 4825. %



44 28-Ni-61

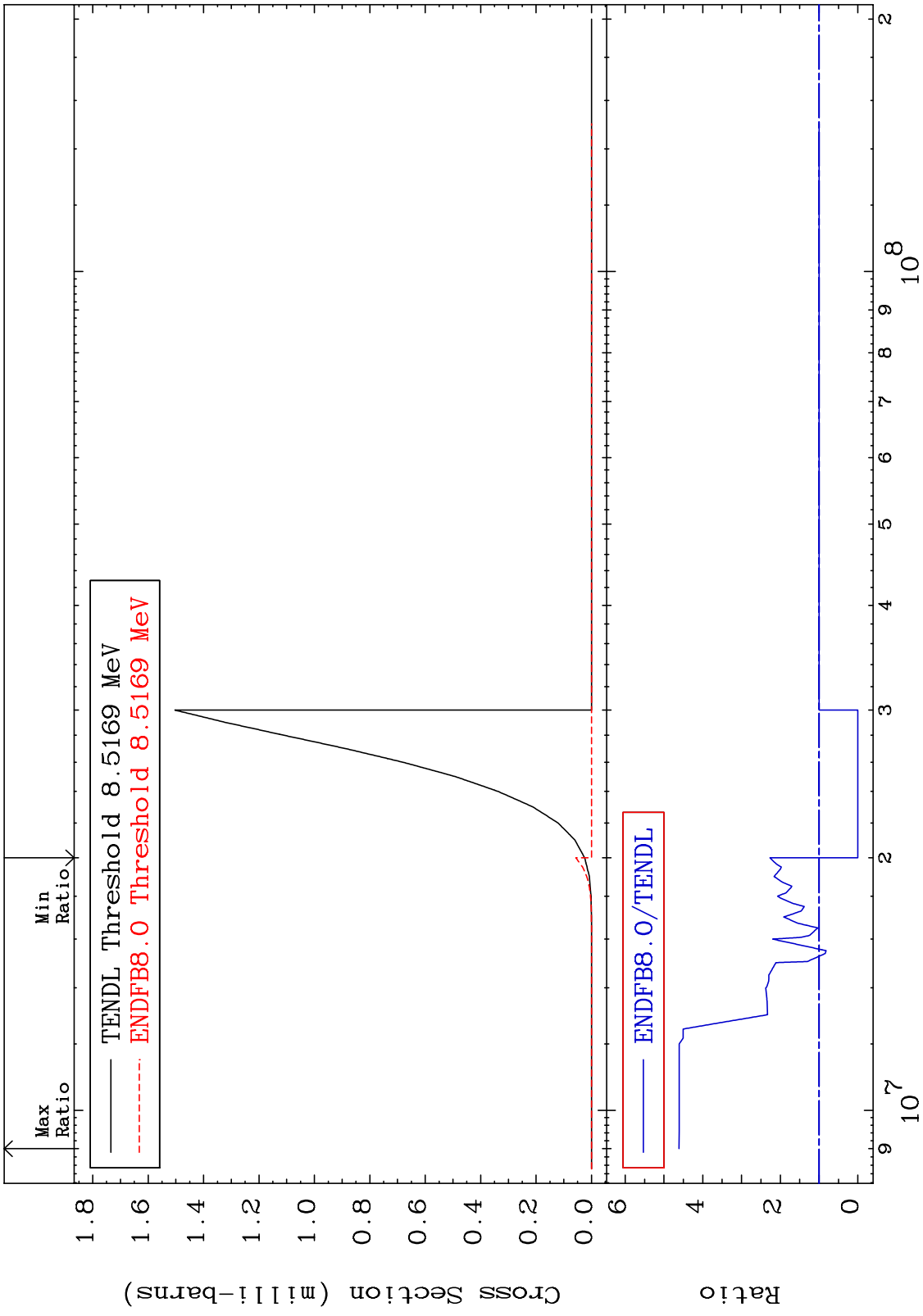


MAT 2834 (n,2p) Cross Section 28-Ni-61 -100.0 To 54.54 %

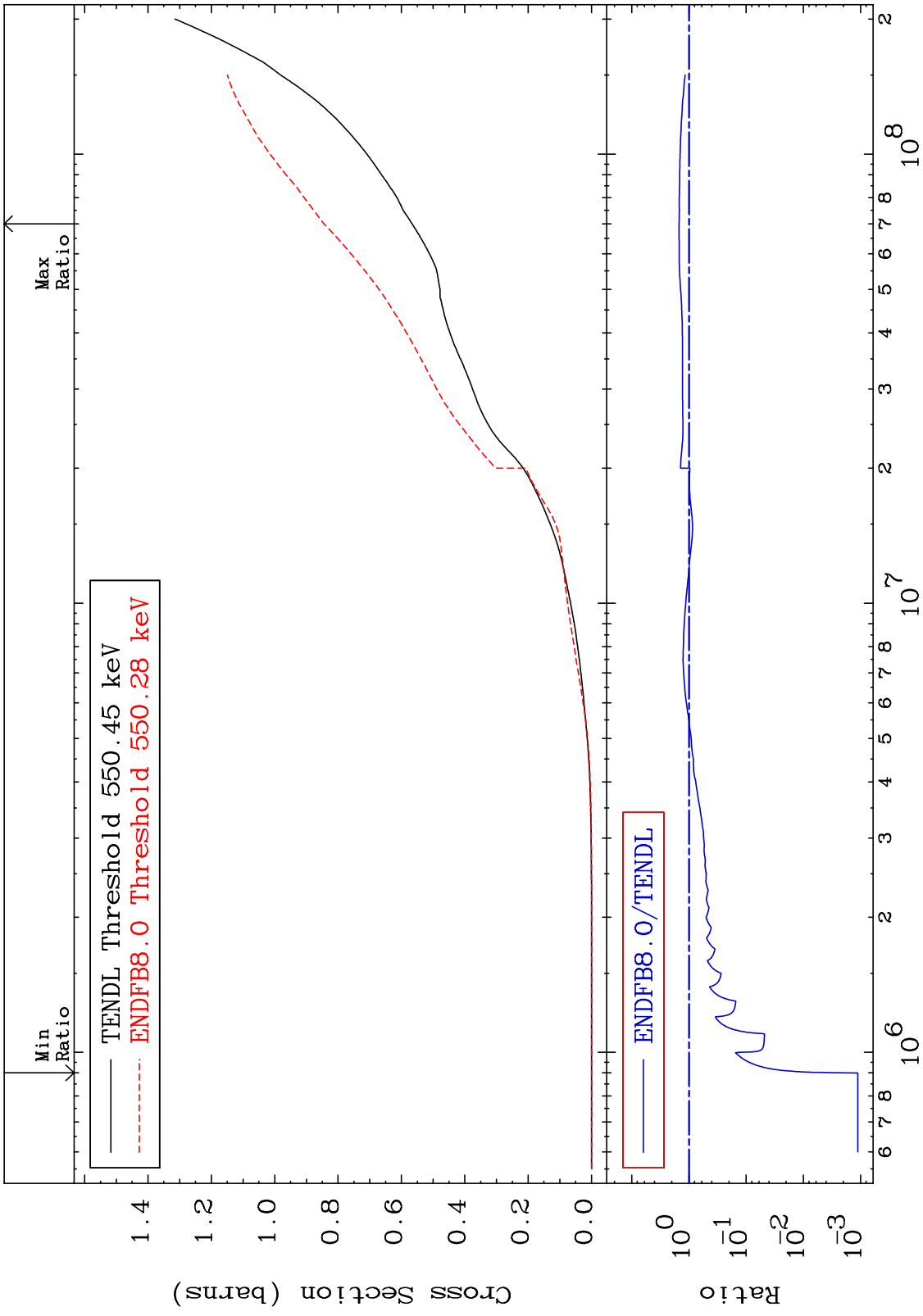


46 28-Ni-61

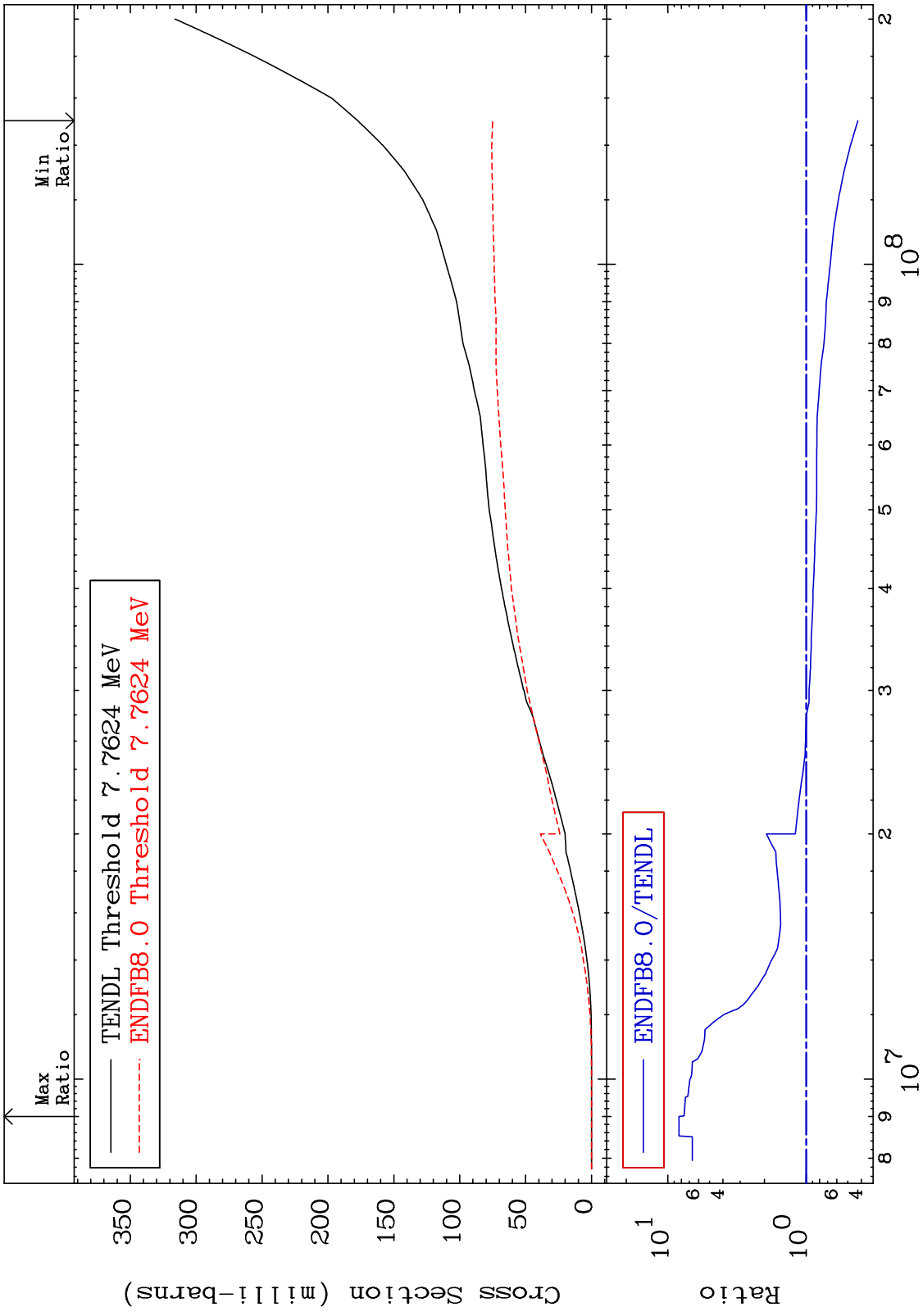
MAT 2834 (n,p) α 28-Ni-61
 Cross Section -100.0 To 361.2 %



MAT 2834 Hydrogen Production Cross Section 28-Ni-61 -99.89 To 49.13 %



MAT 2834 Deuterium Production Cross Section 28-Ni-61 -57.71 To 730.2 %

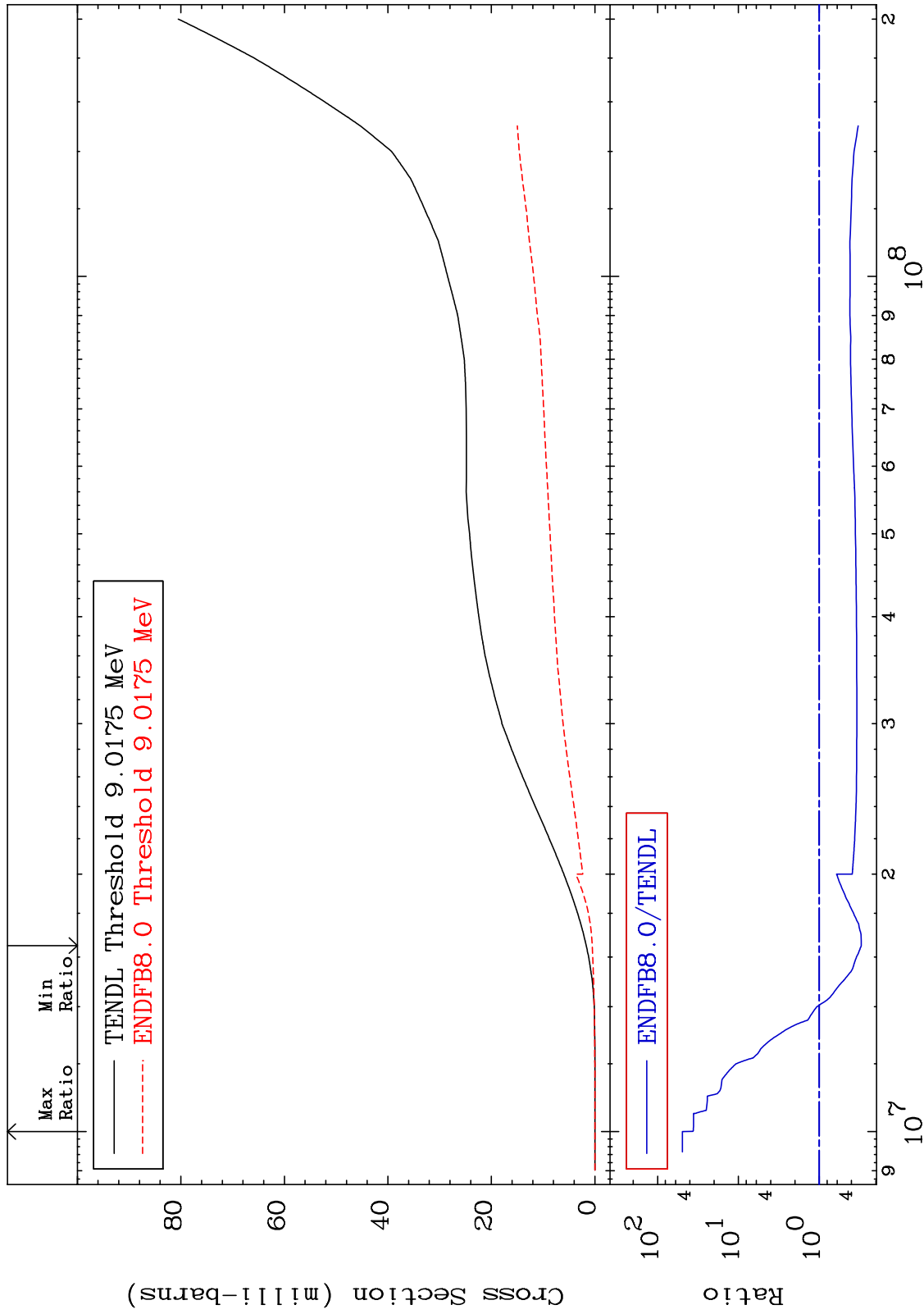


49 28-Ni-61

MAT 2834

Tritium Production
Cross Section

28-Ni-61
-69.72 To 4825. %



50

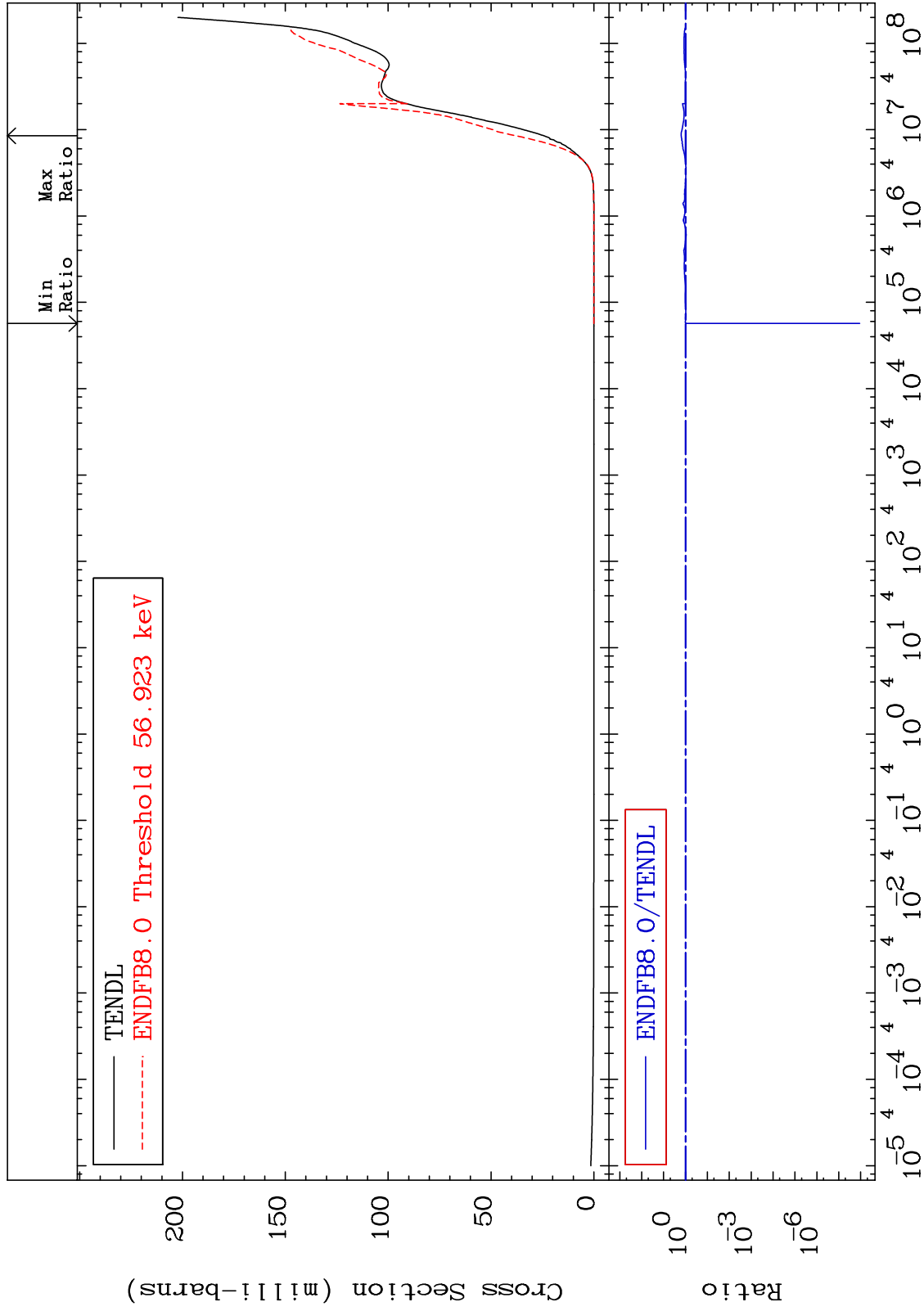
Incident Energy (eV)

28-Ni-61

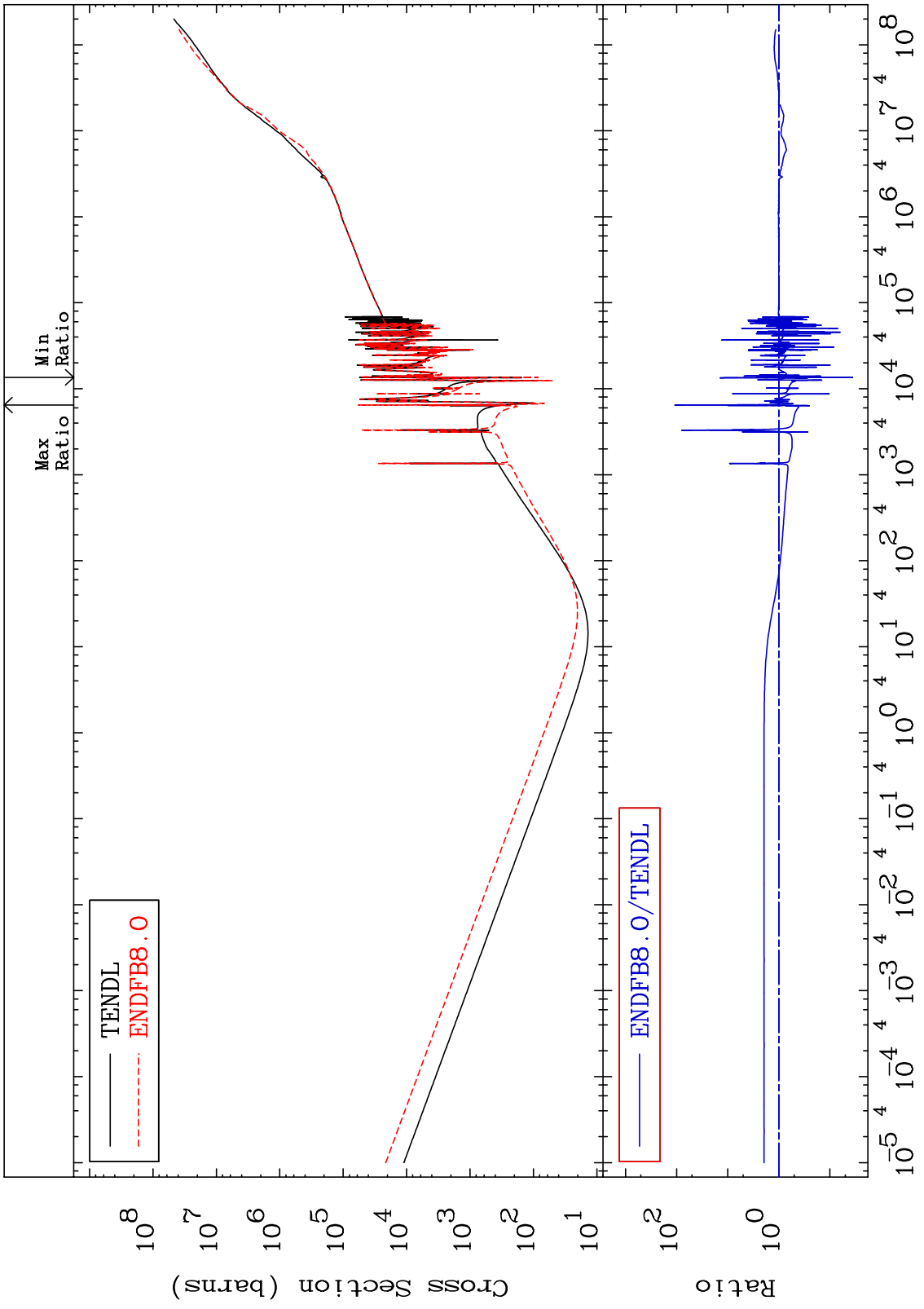
MAT 2834

He-4 Production
Cross Section

28-Ni-61
-100.0 To 56.09 %



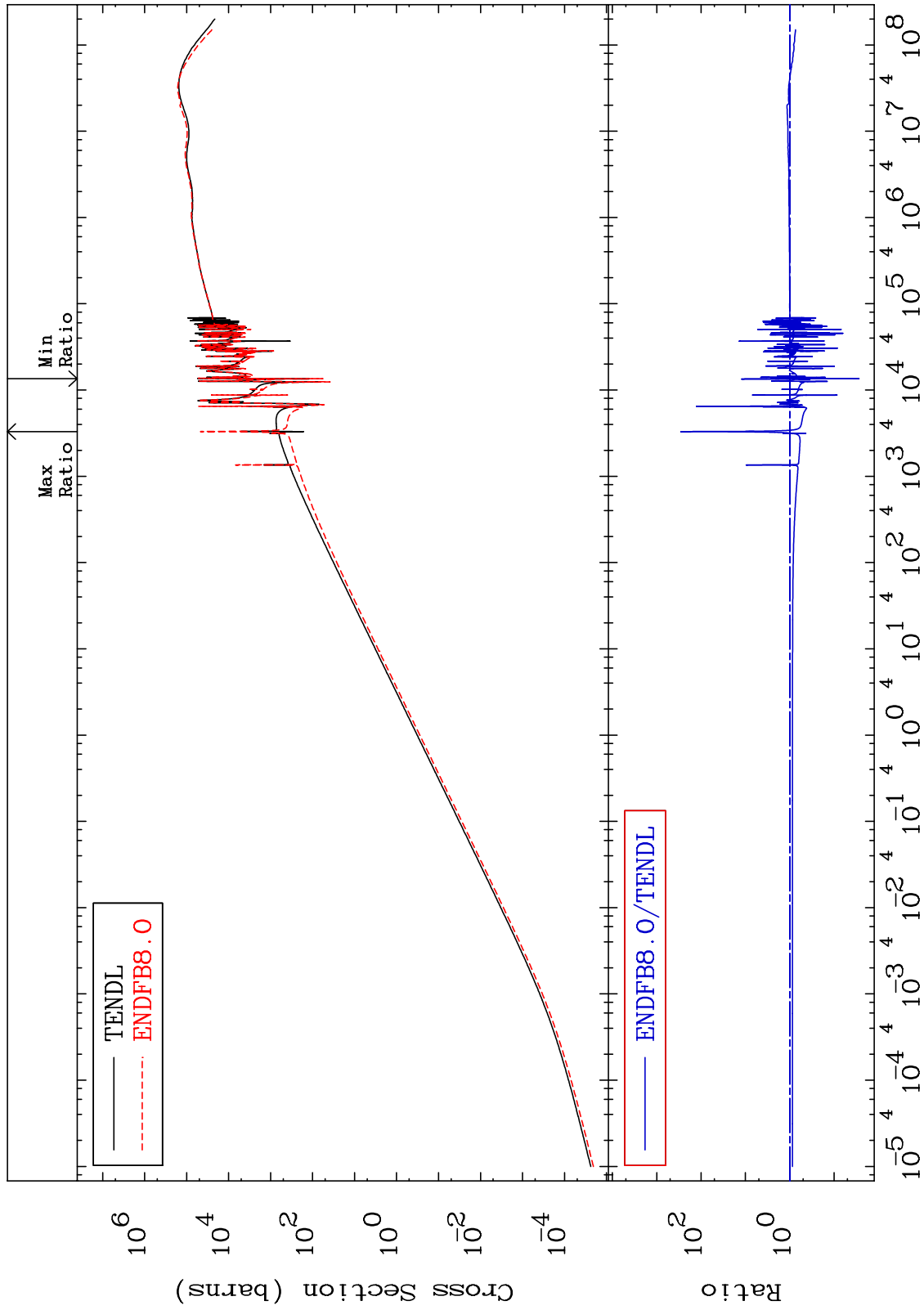
MAT 2834 28-Ni-61
Kerma total (eV-barns) -96.44 To 9999. %
Cross Section



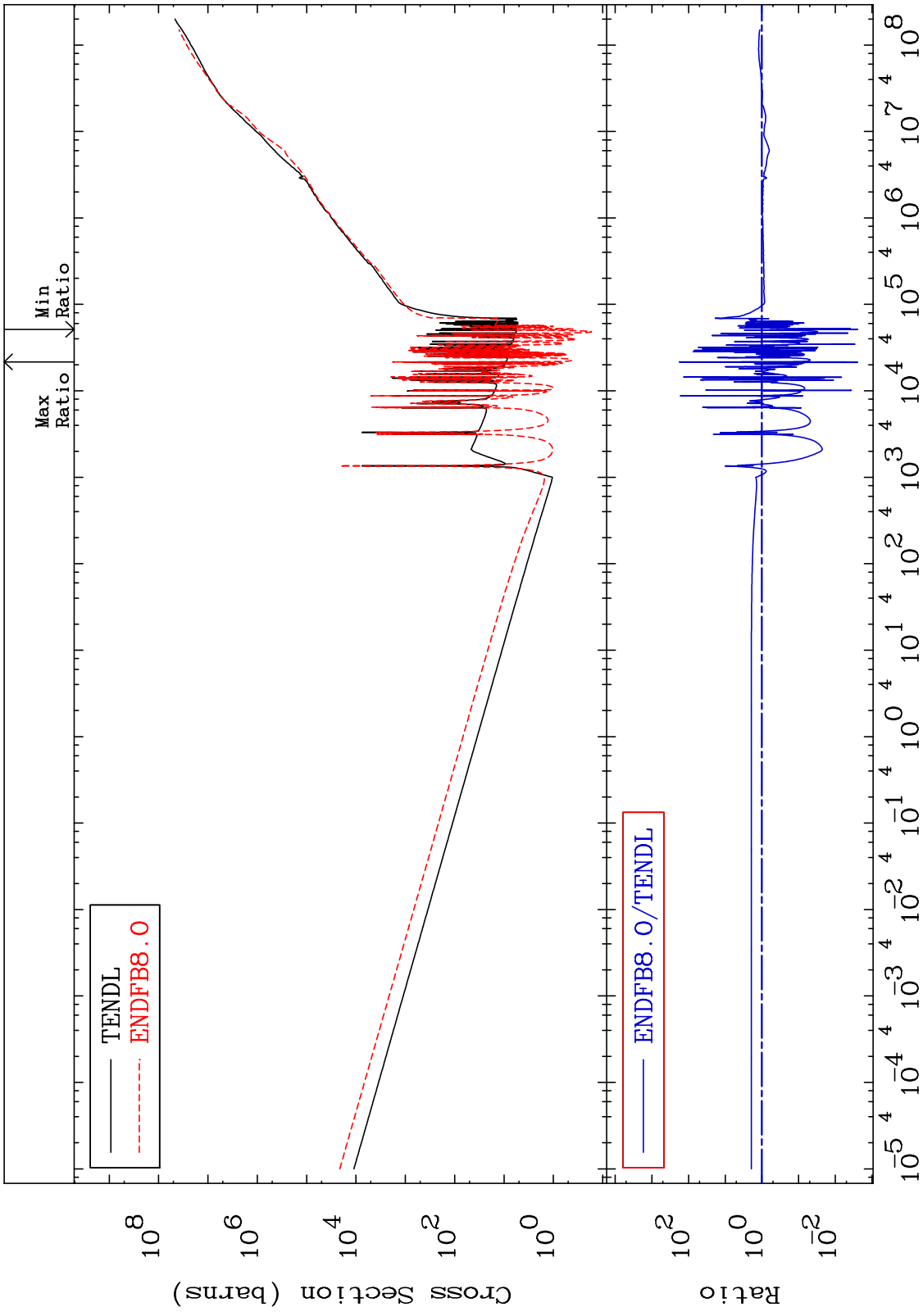
MAT 2834

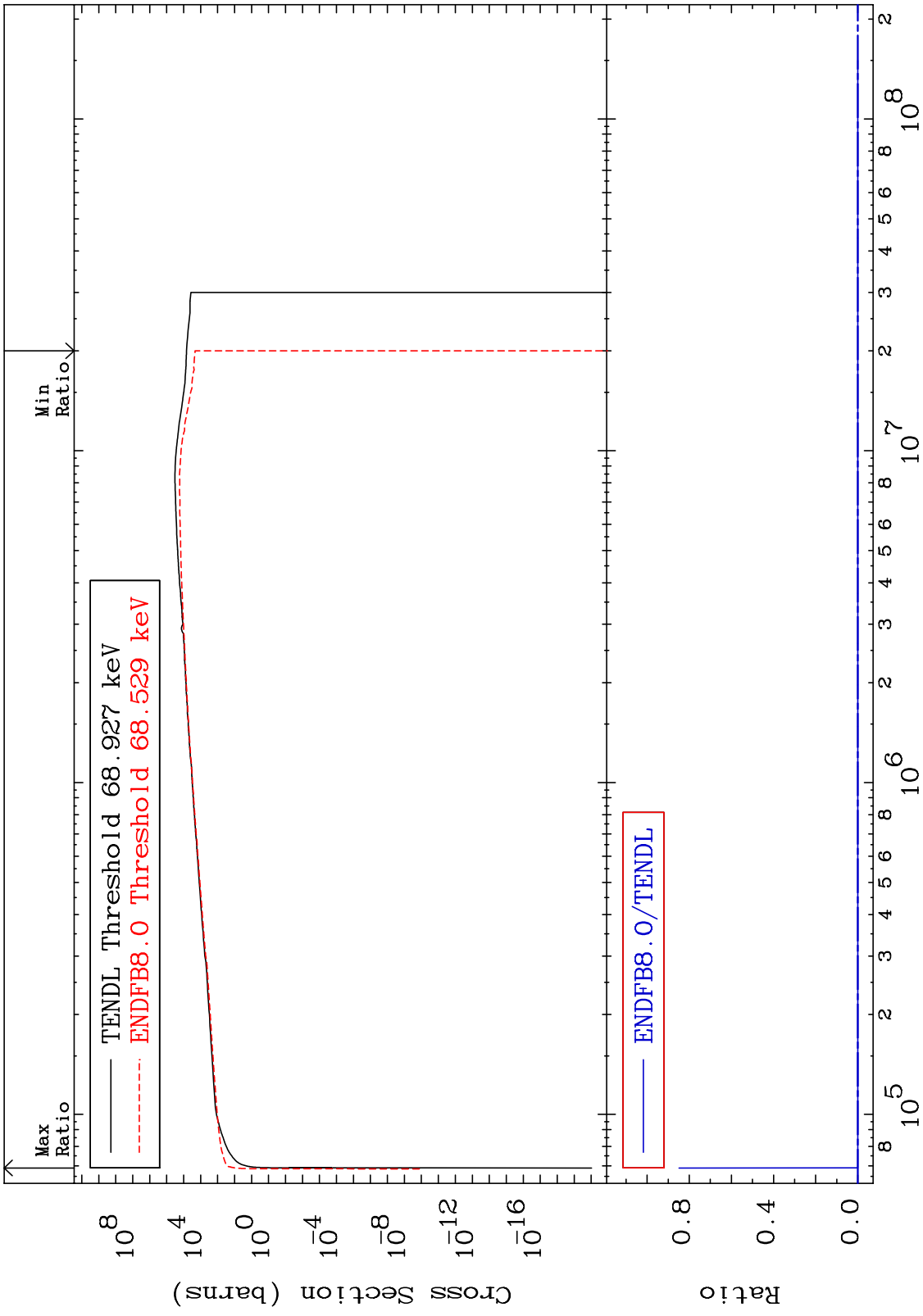
Kerma elastic
Cross Section

28-Ni-61
-97.26 To 9999. %



MAT 2834 Kerma non-elastic (all but mt2) 28-Ni-61
 Cross Section -99.76 To 9999. %

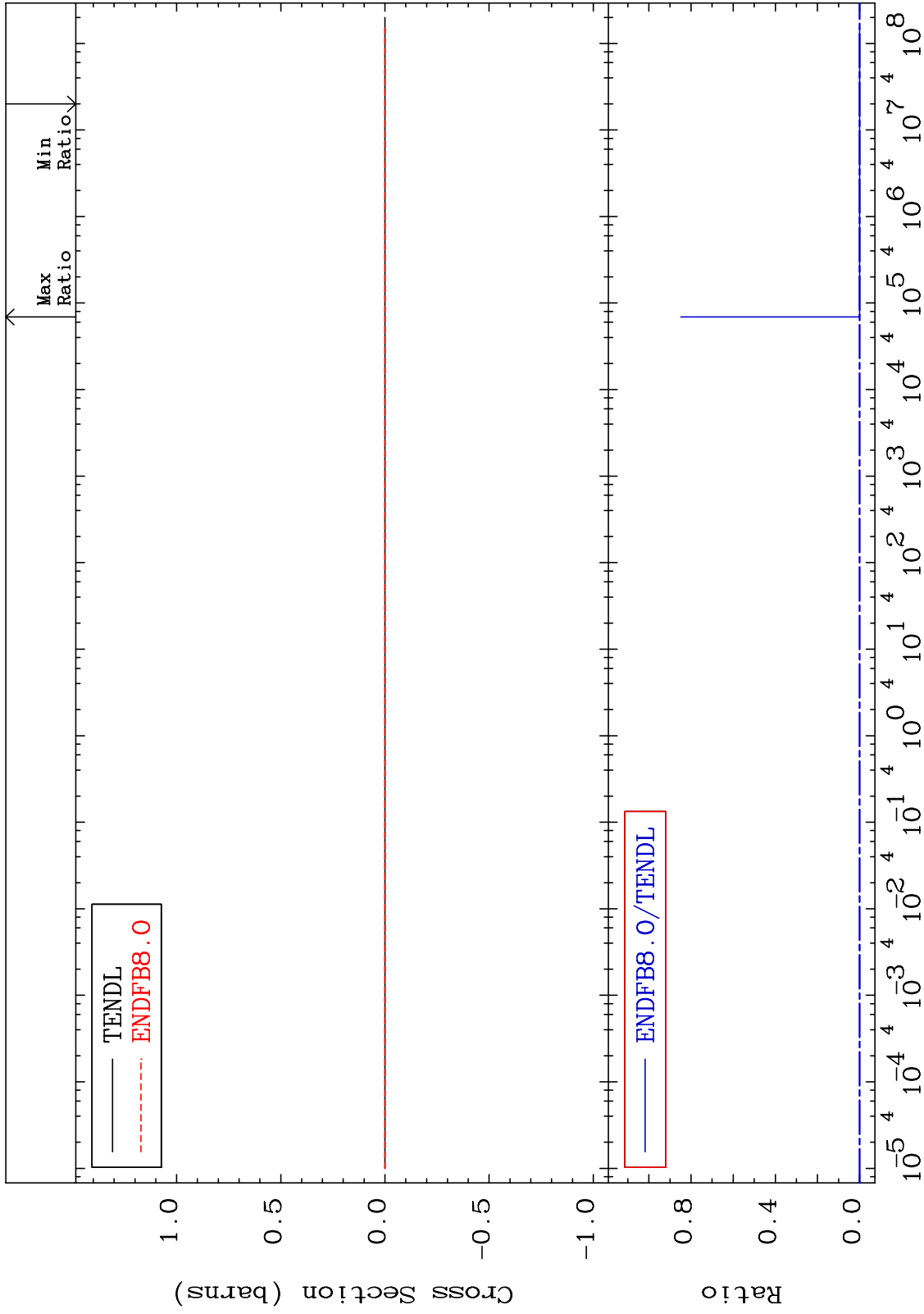




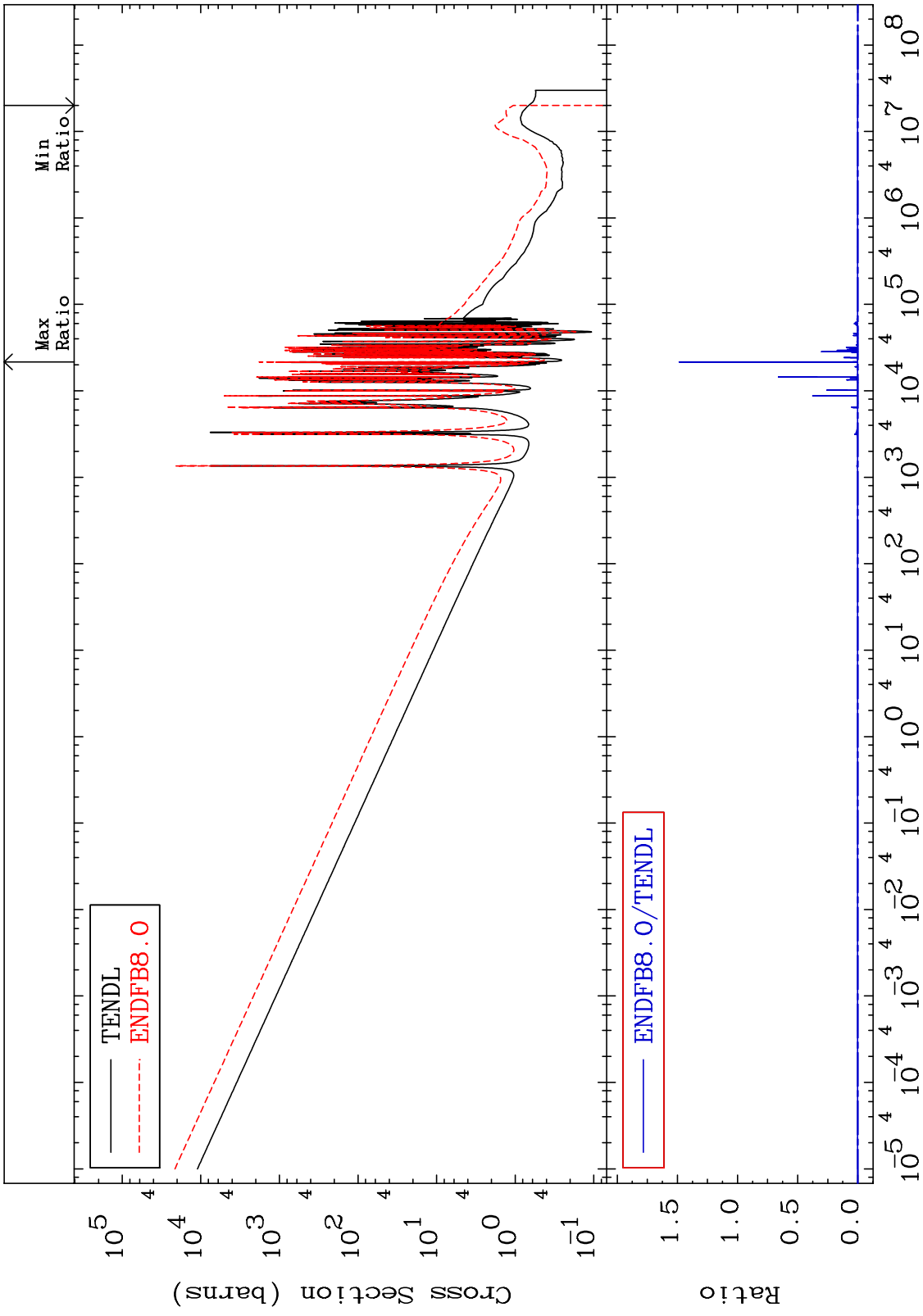
MAT 2834

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

28-Ni-61
-100.0 To 9999. %



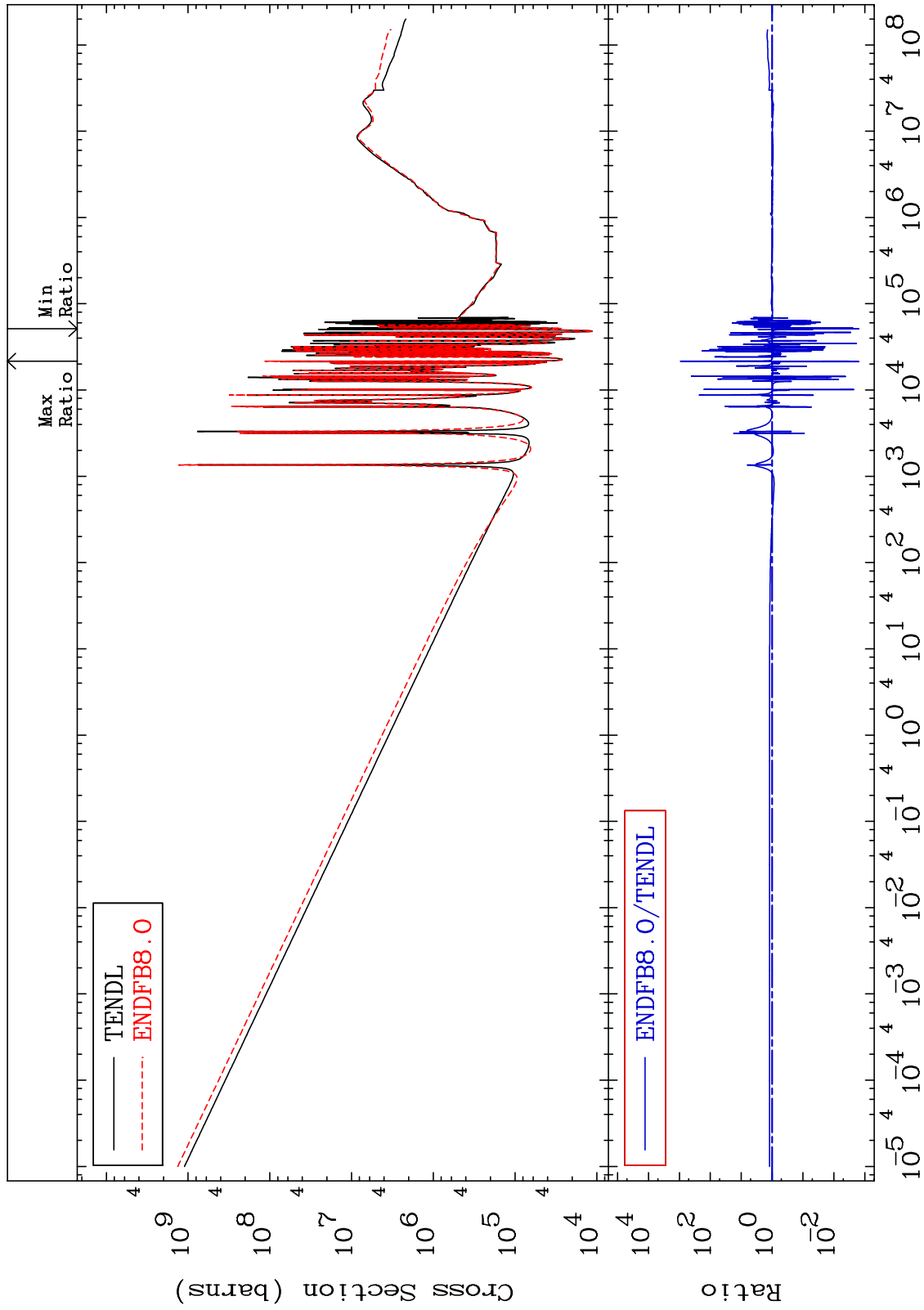
MAT 2834 Kerma capture (mt102) 28-Ni-61
 Cross Section -100.0 To 9999. %



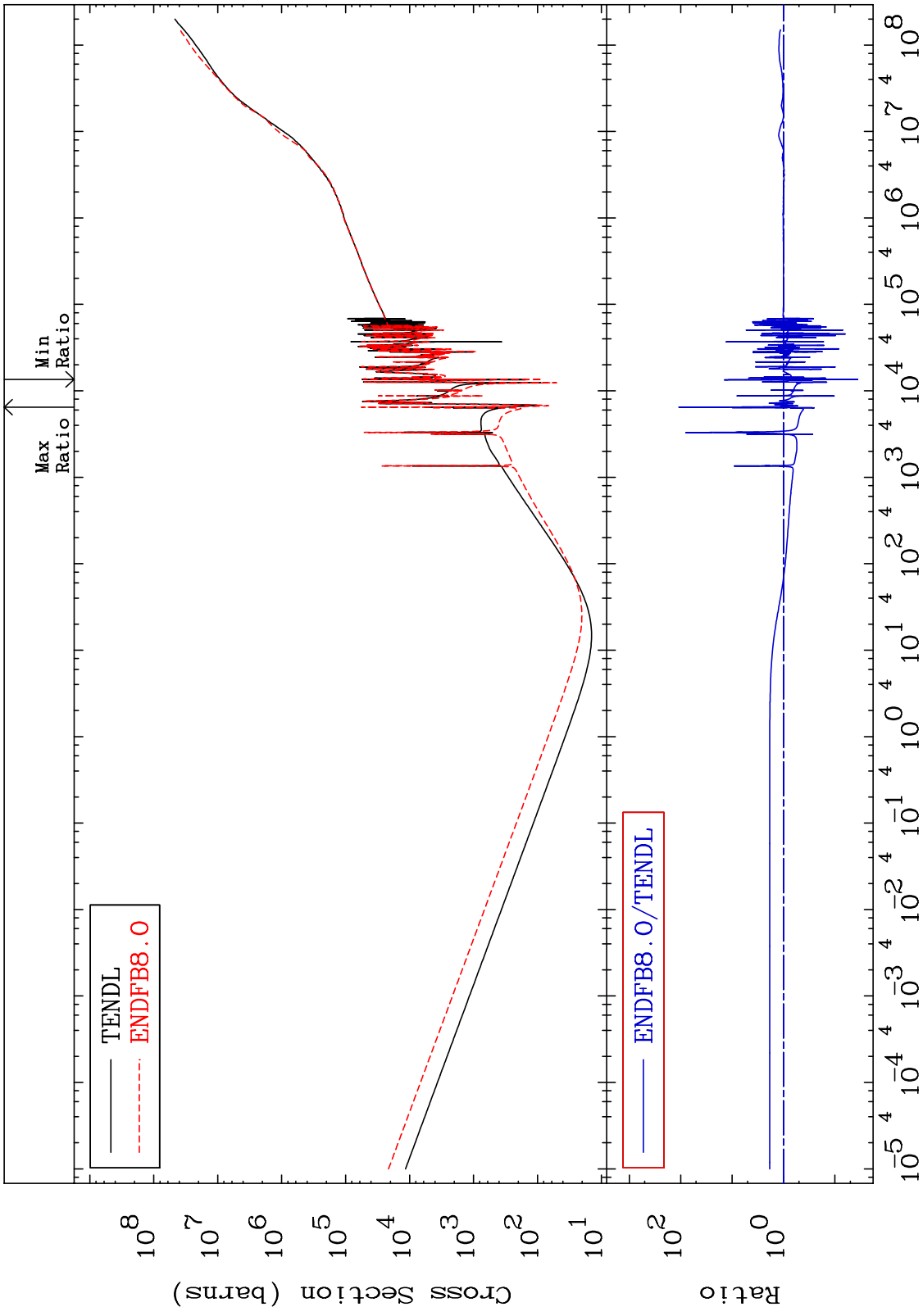
MAT 2834

Total photon (eV-barns)
Cross Section

28-Ni-61
-99.85 To 9999. %



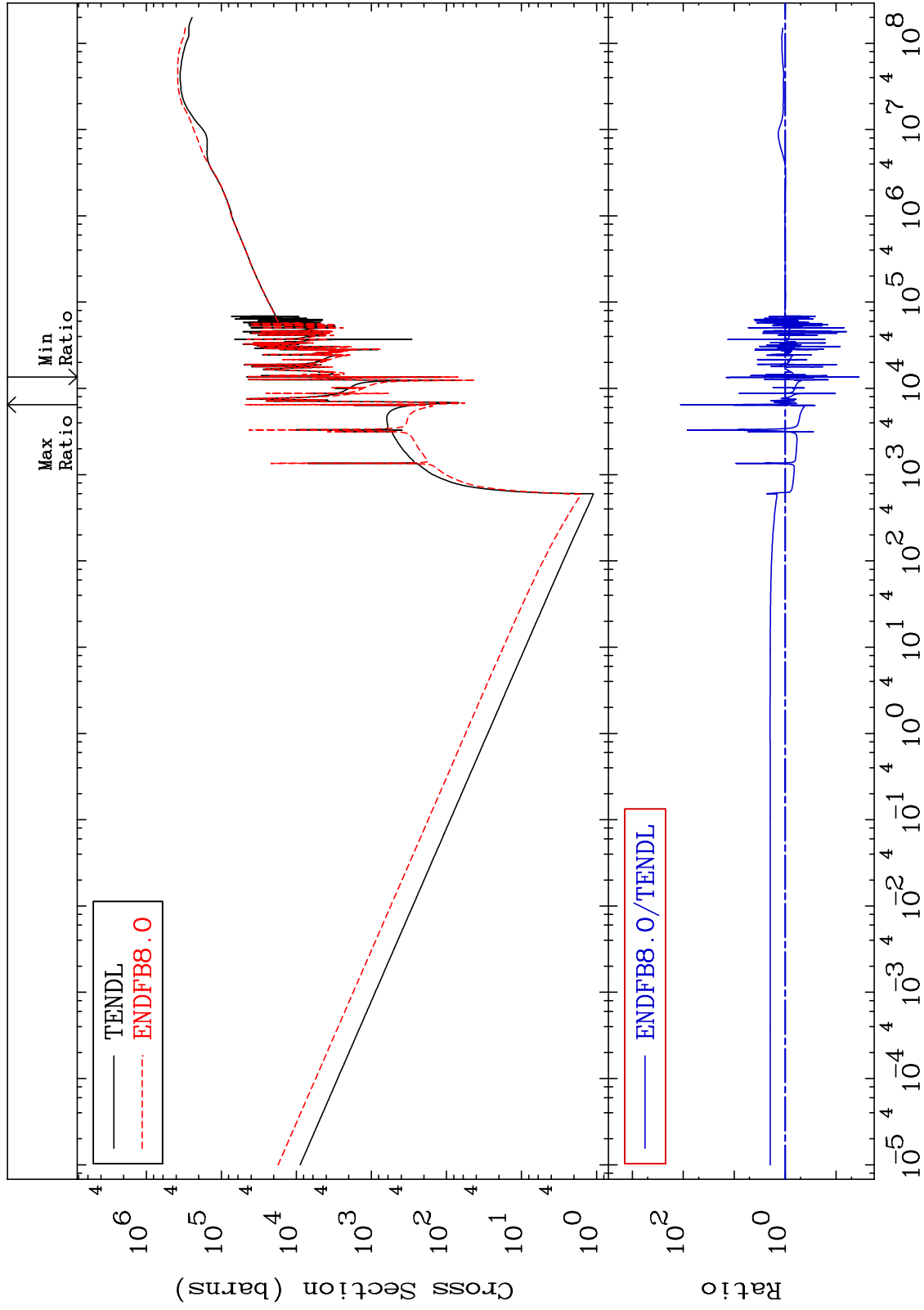
MAT 2834 Total kinematic kerma (high limit) 28-Ni-61
 Cross Section -96.44 To 9999. %



MAT 2834

Dpa total (eV-barns)
Cross Section

28-Ni-61
-96.44 To 9999. %

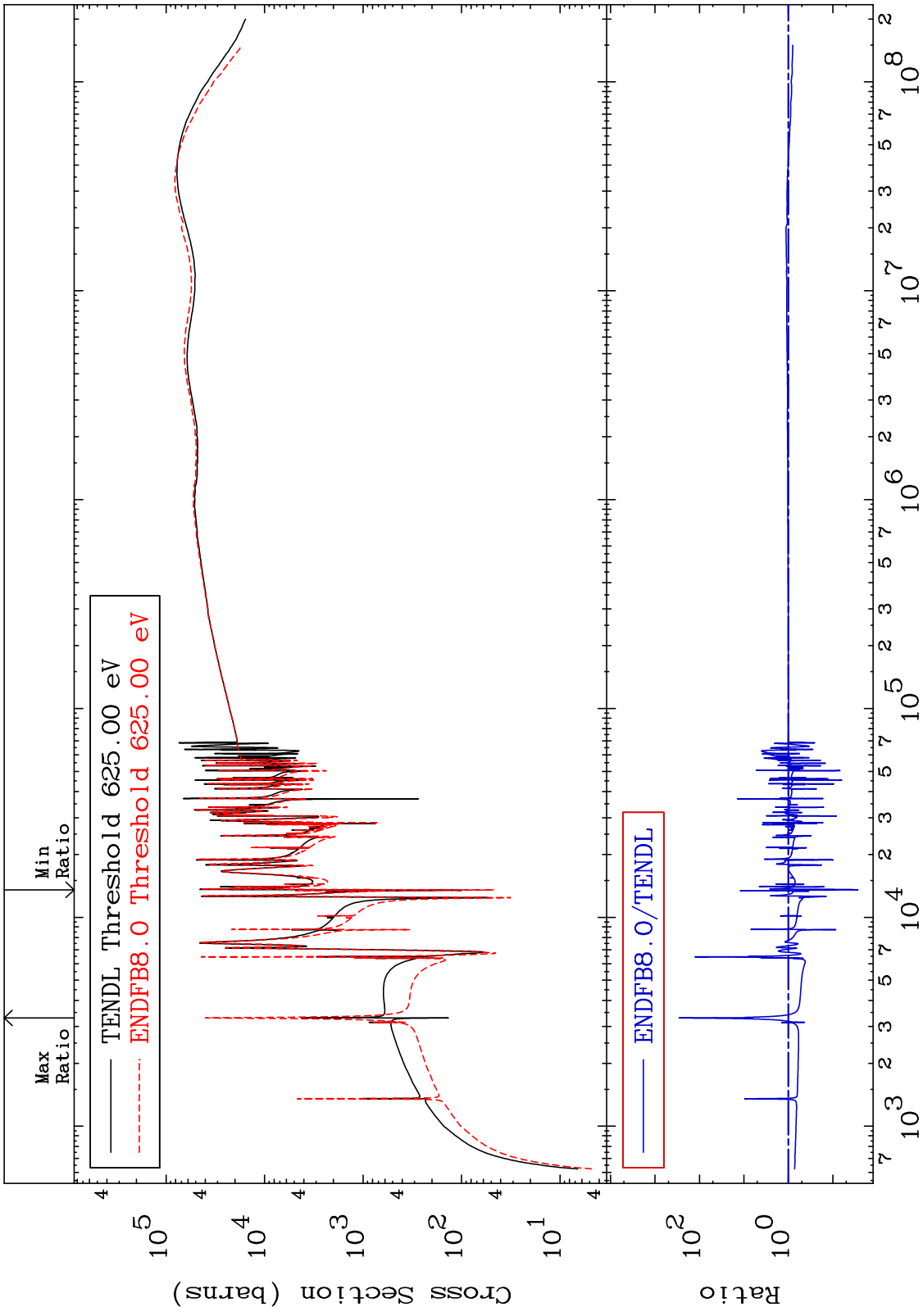


60

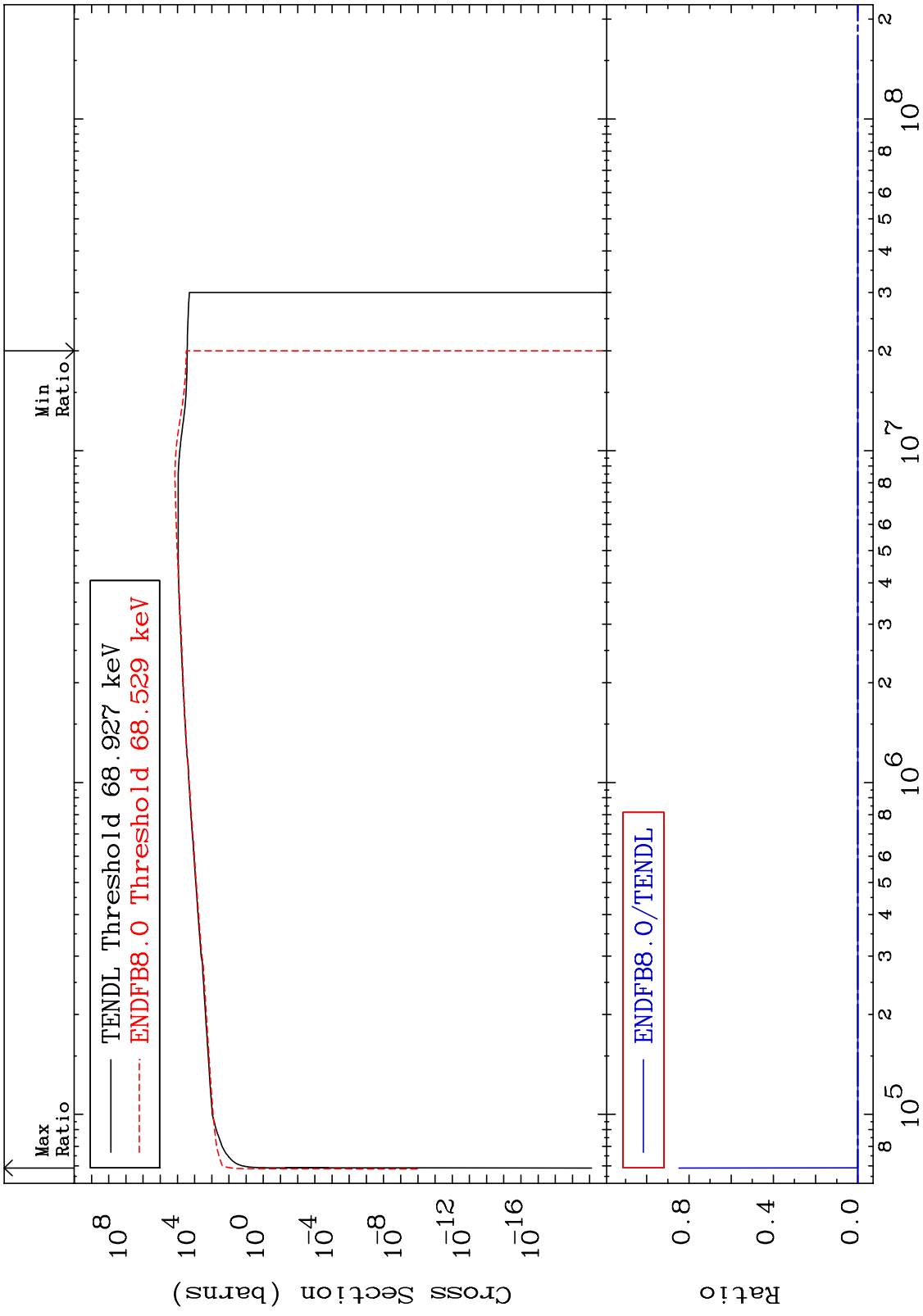
Incident Energy (eV)

28-Ni-61

MAT 2834 Dpa elastic (mt2) 28-Ni-61
 Cross Section -97.26 To 9999. %



MAT 2834 Dpa inelastic (mt51-91) 28-Ni-61
 Cross Section -100.0 To 9999. %



62 Incident Energy (eV) 28-Ni-61

MAT 2834 Dpa disappearance (mt102 -120) 28-Ni-61
 Cross Section -100.0 To 9999. %

