

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

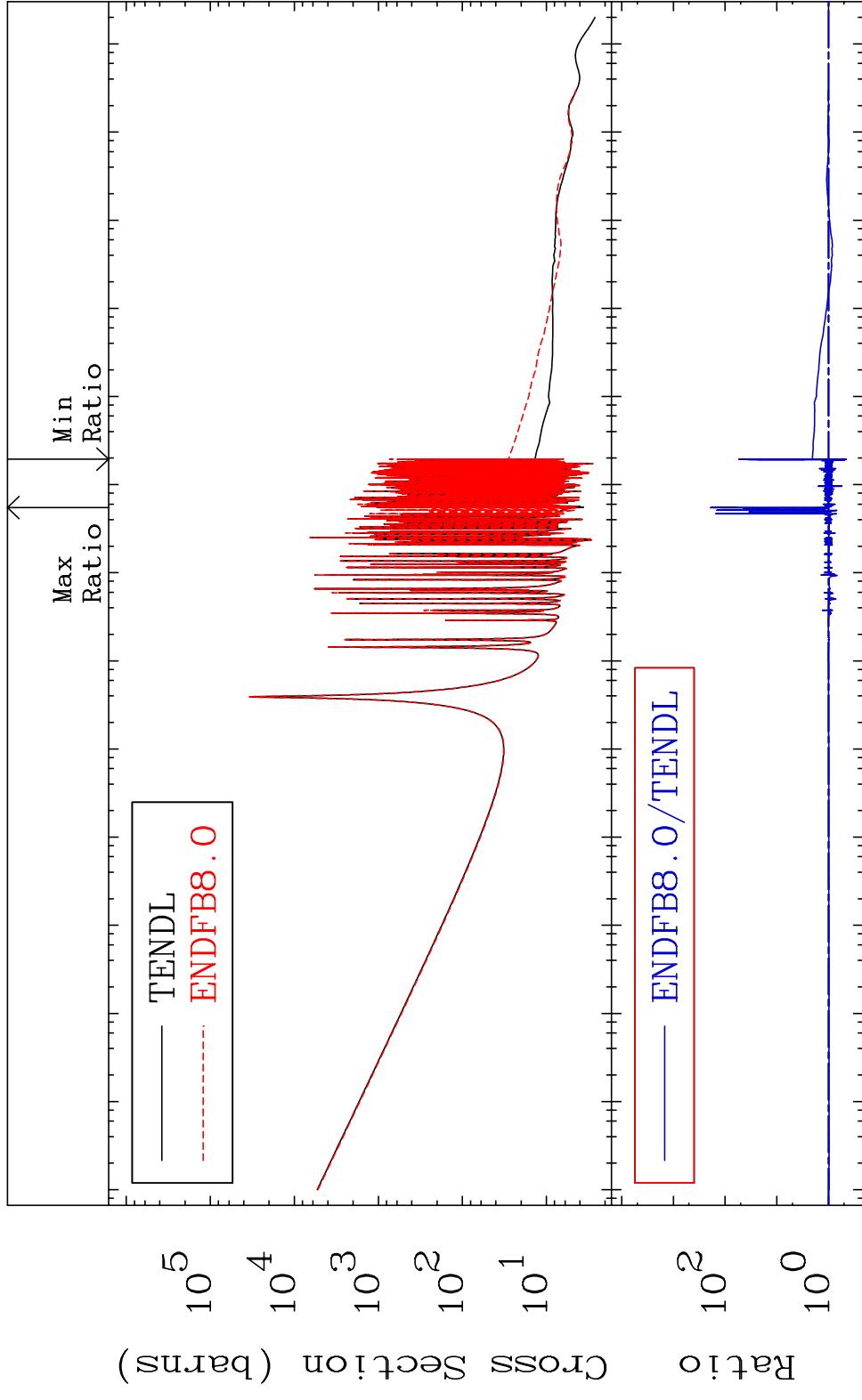
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6925

Total Cross Section -54.71 To 9999. %
69-Tm-169



Ratio

10⁵
10⁴
10³
10²
10¹

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

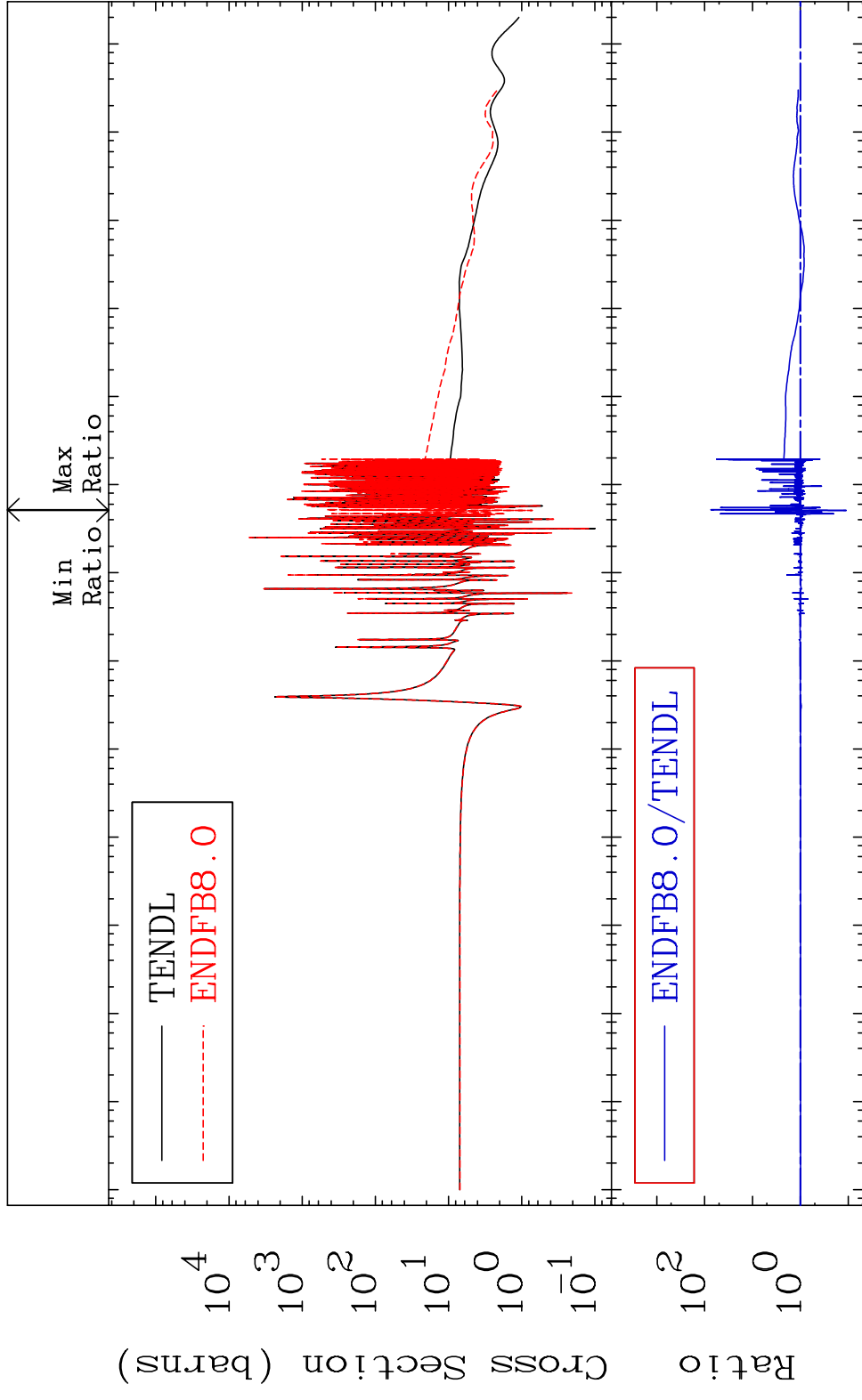
1 Incident Energy (eV) 69-Tm-169

MAT 6925

Elastic

69-Tm-169

Cross Section -89.06 To 7355. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

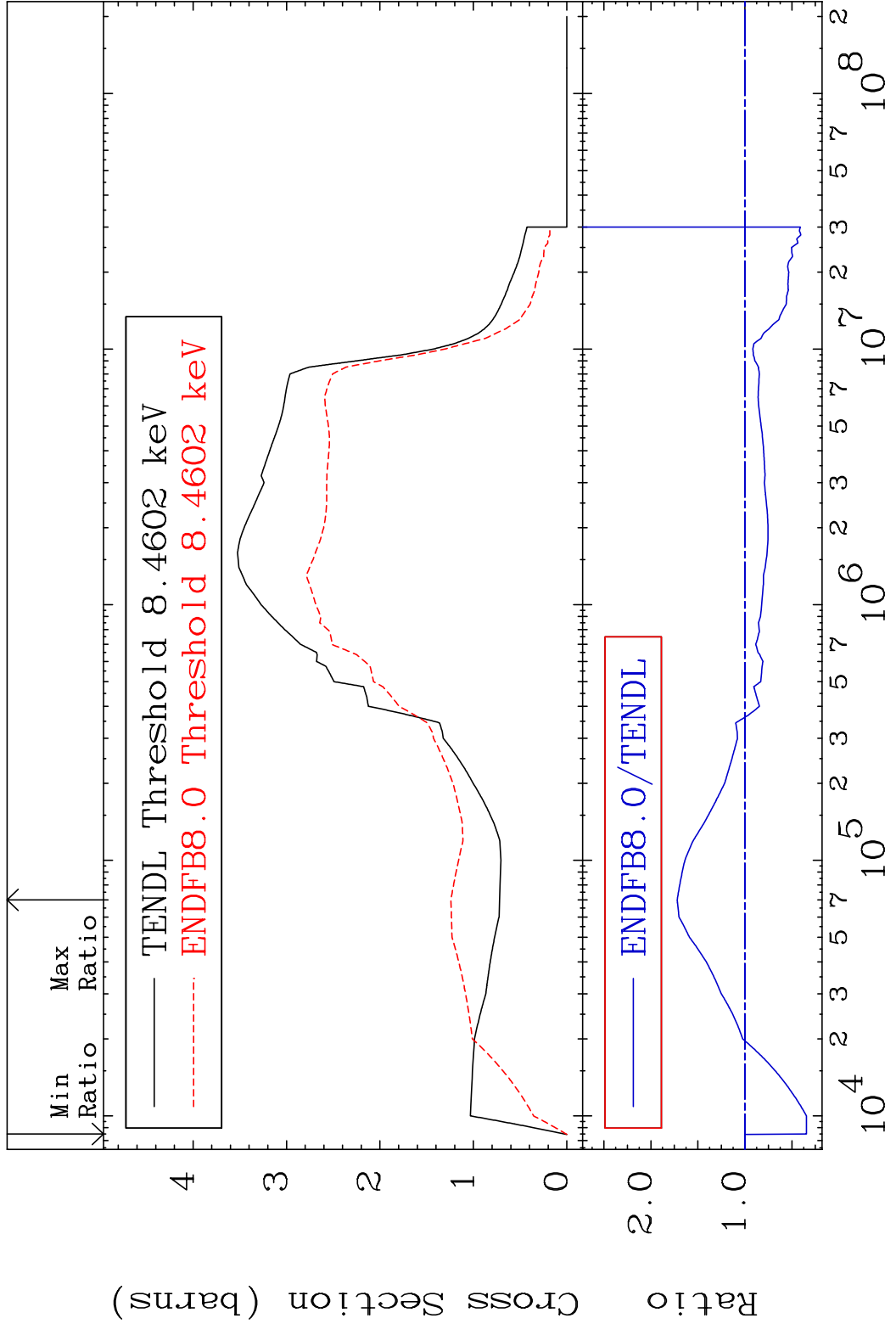
69-Tm-169

MAT 6925

Inelastic

69-Tm-169

Cross Section -65.45 To 72.00 %



3

Incident Energy (eV)

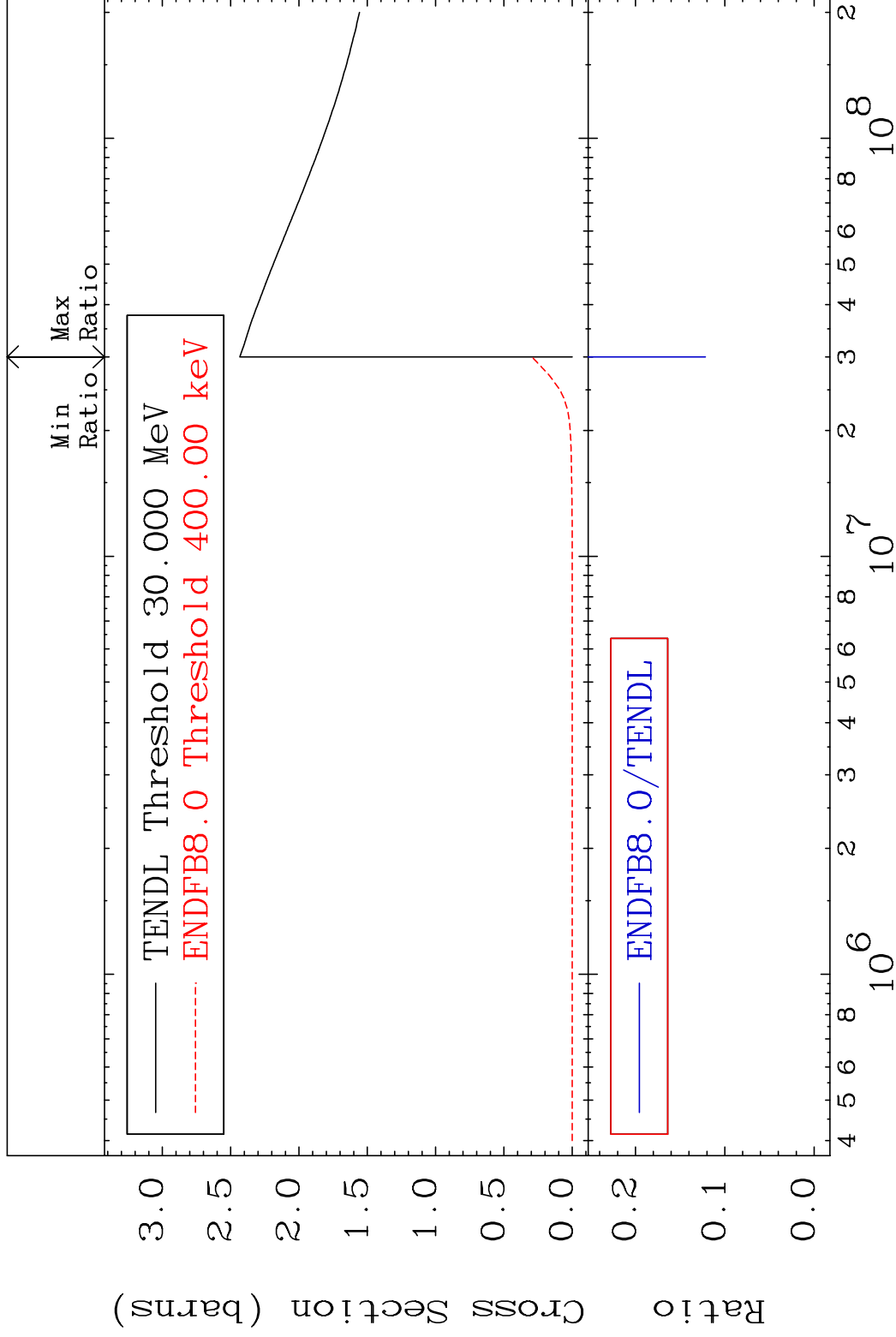
69-Tm-169

MAT 6925

(n, remainder)

69-Tm-169

Cross Section -87.83 To -87.83%



4

Incident Energy (eV)

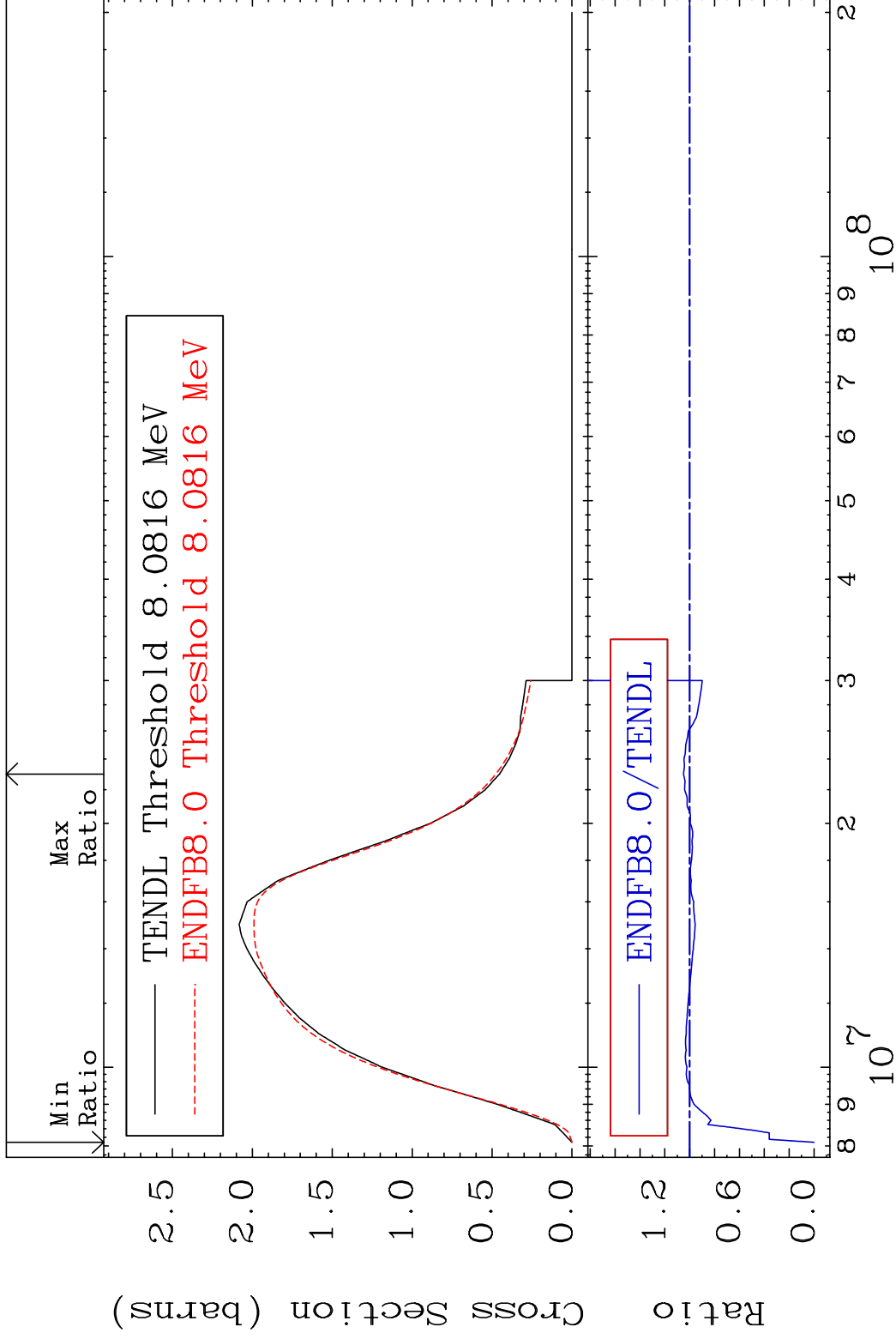
69-Tm-169

MAT 6925

(n,2n)

69-Tm-169

Cross Section -100.0 To 4.998 %



5

Incident Energy (eV)

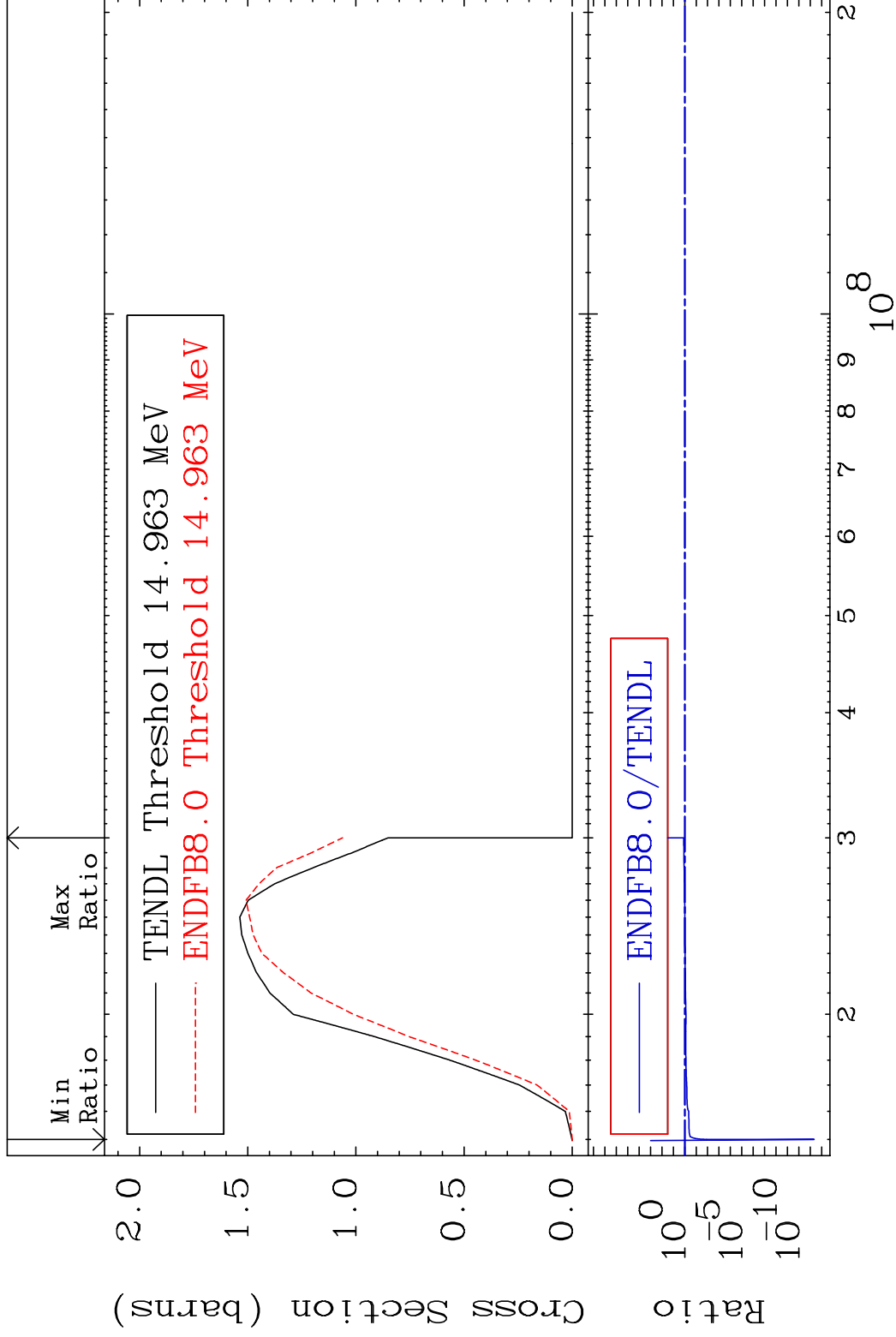
69-Tm-169

MAT 6925

(n,3n)

69-Tm-169

Cross Section -100.0 To 24.67 %



6

Incident Energy (eV)

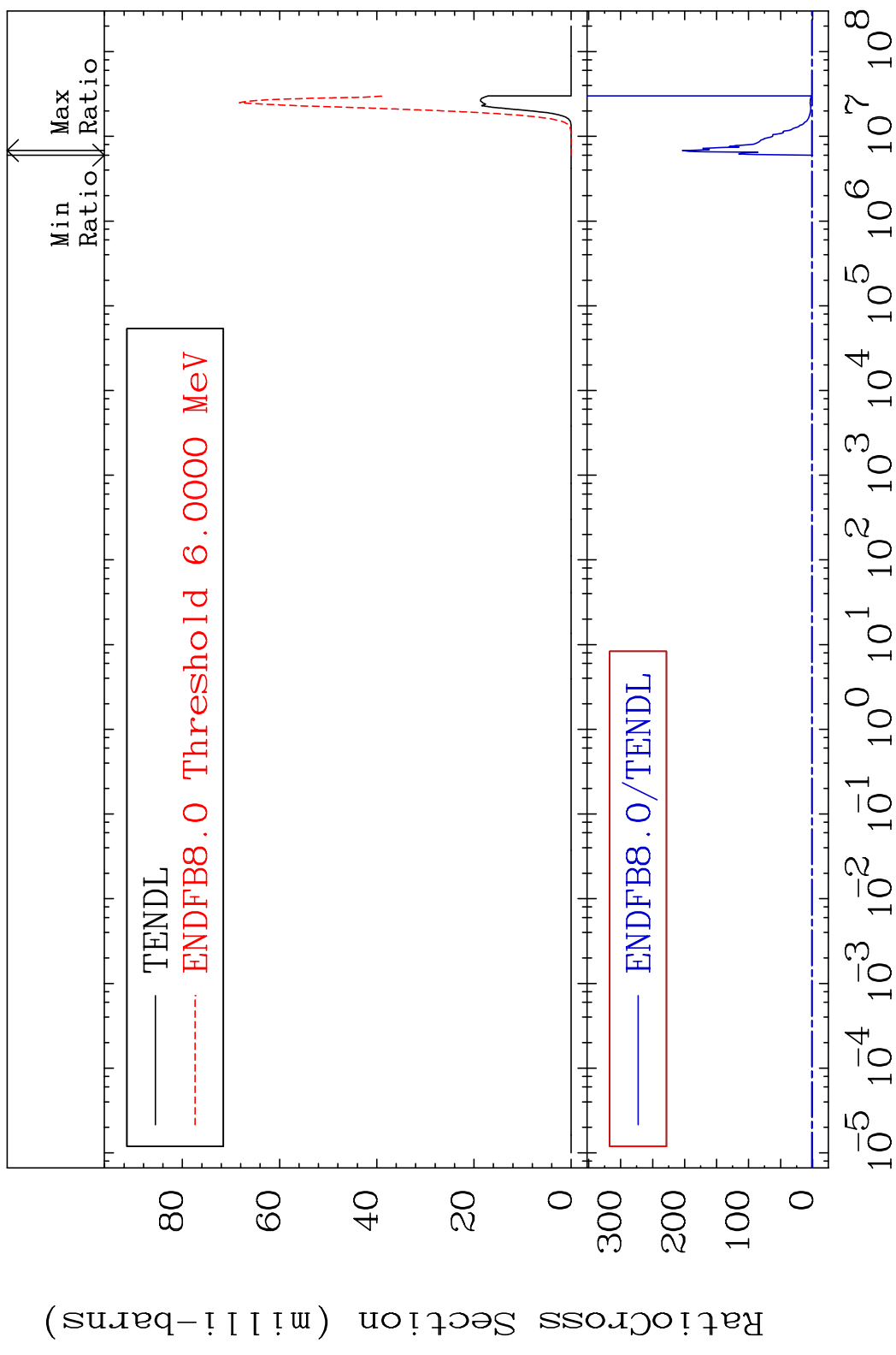
69-Tm-169

MAT 6925

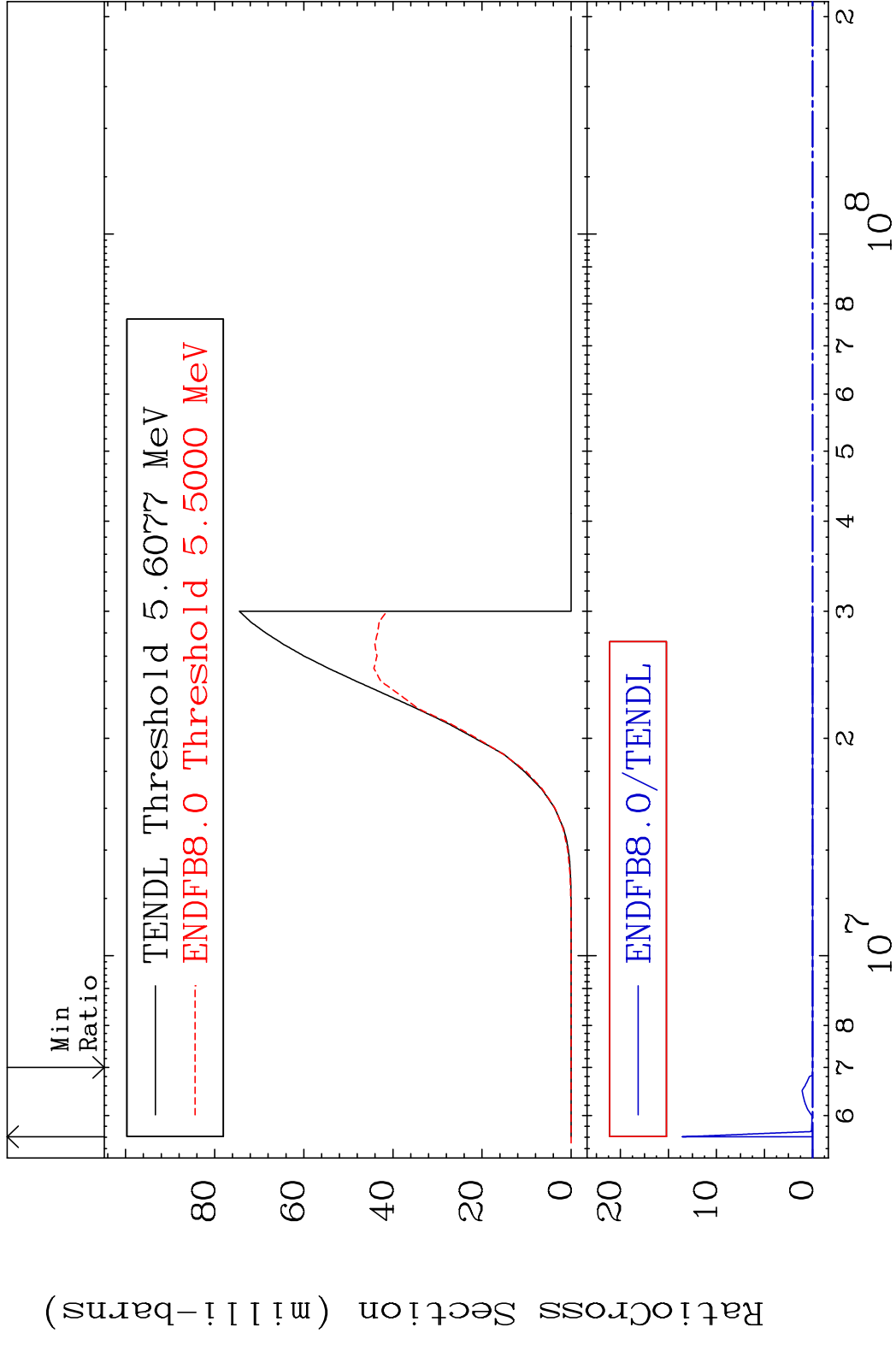
(n, n') α

69-Tm-169

Cross Section -100.0 To 9999. %



MAT 6925 (n, n') p 69-Tm-169
 Cross Section -100.0 To 9999. %

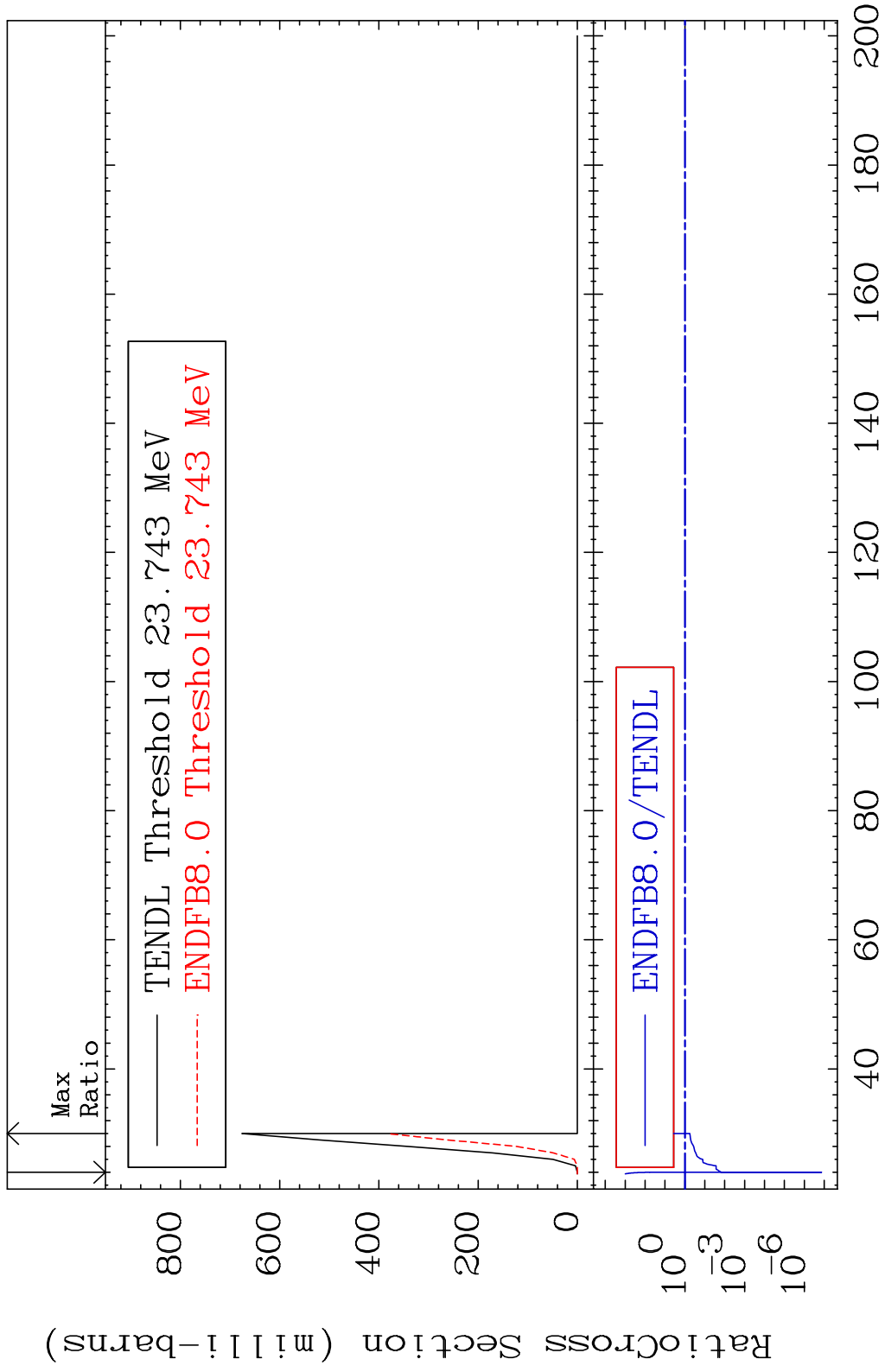


MAT 6925

(n,4n)

69-Tm-169

Cross Section -100.0 To -43.20%

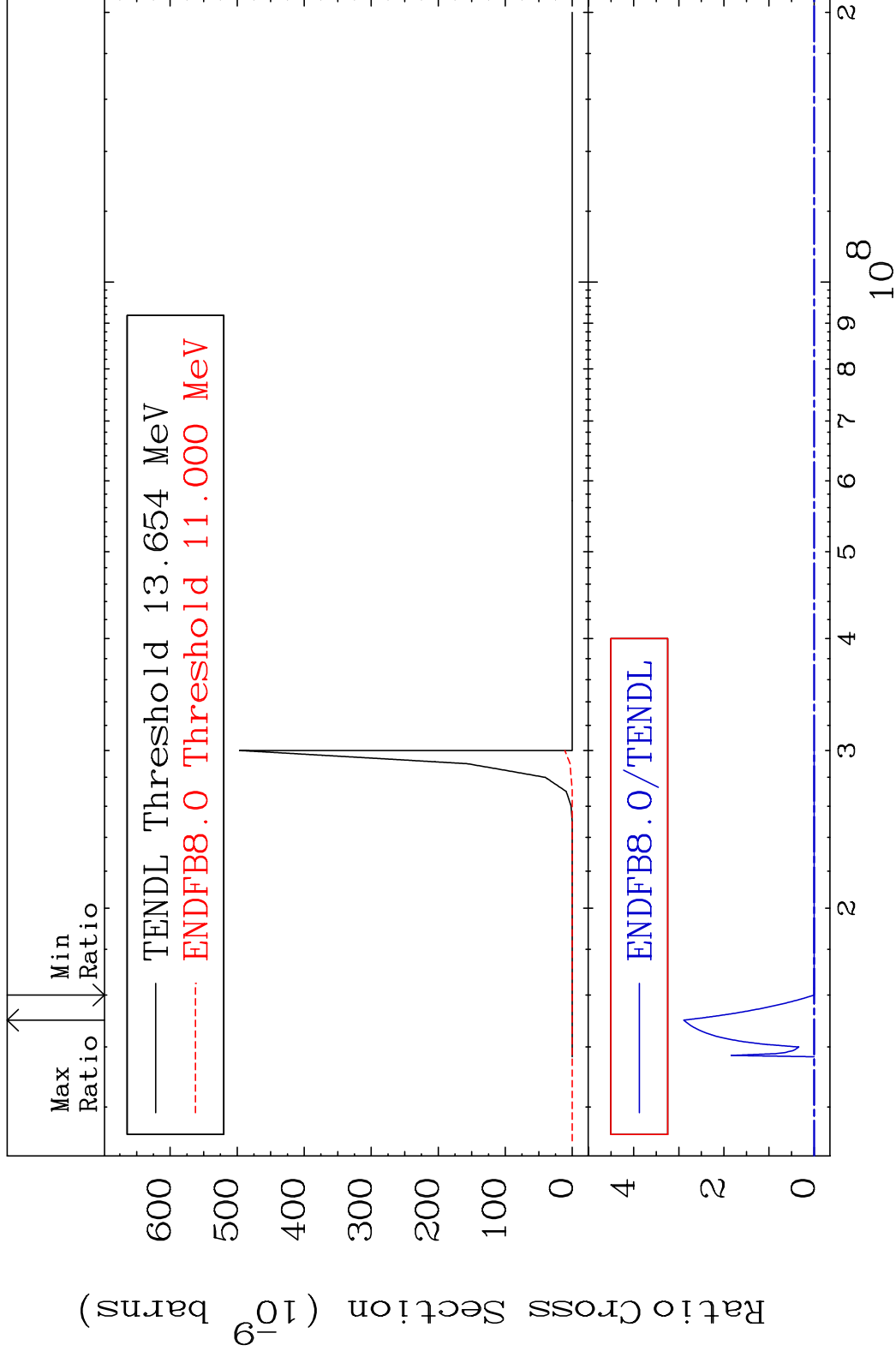


MAT 6925

(n,2n) p

69-Tm-169

Cross Section -100.0 To 9999. %

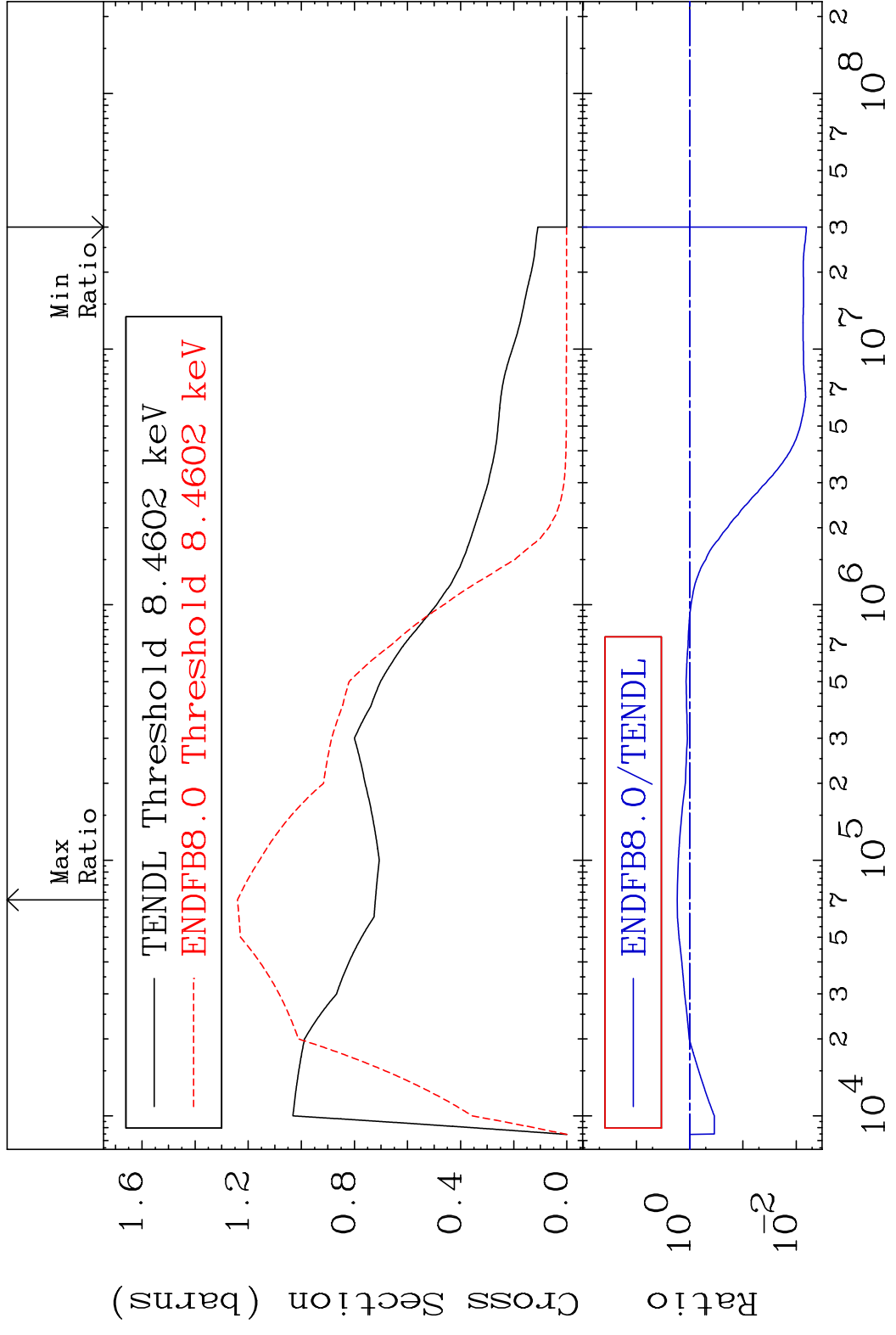


10

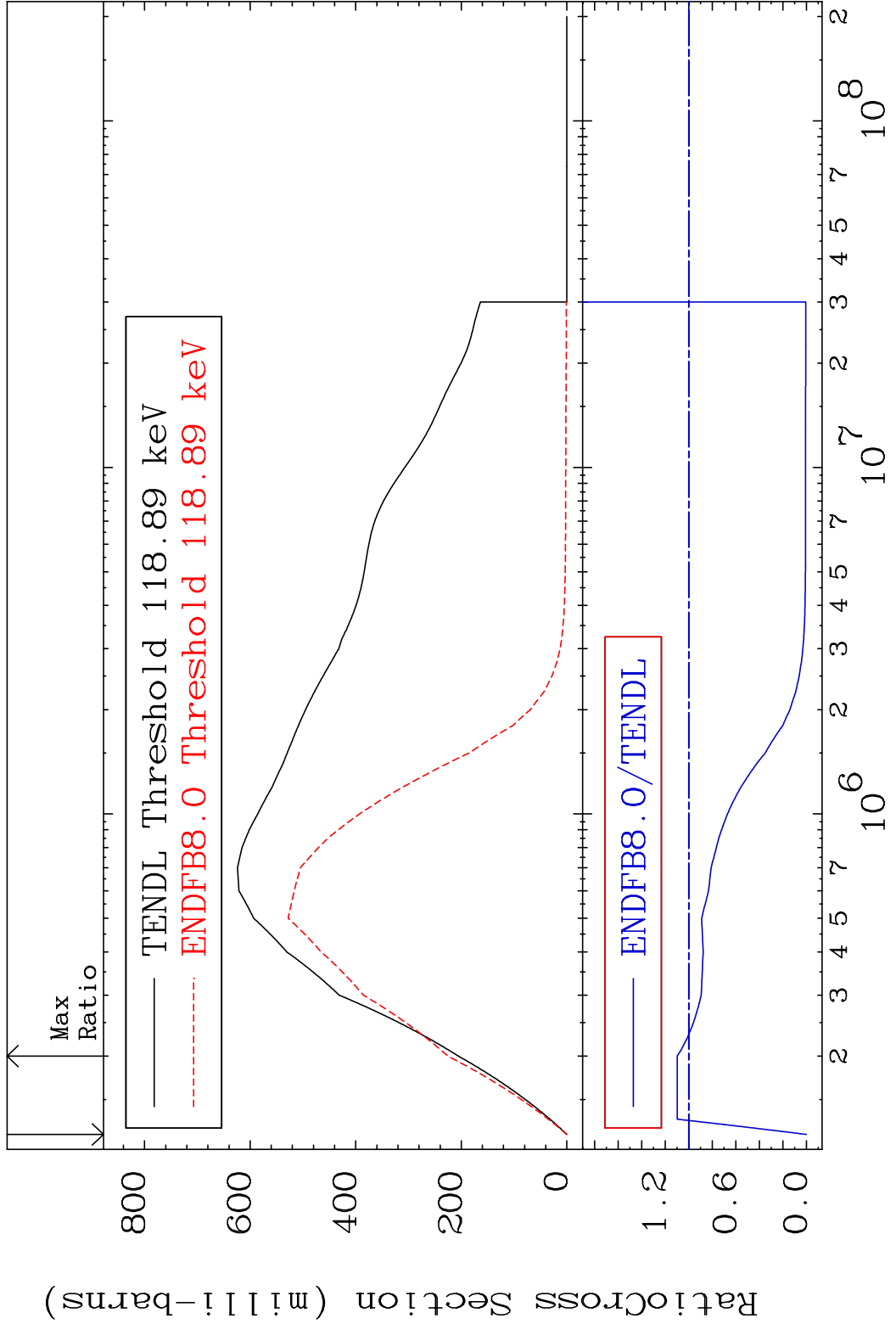
Incident Energy (eV)

69-Tm-169

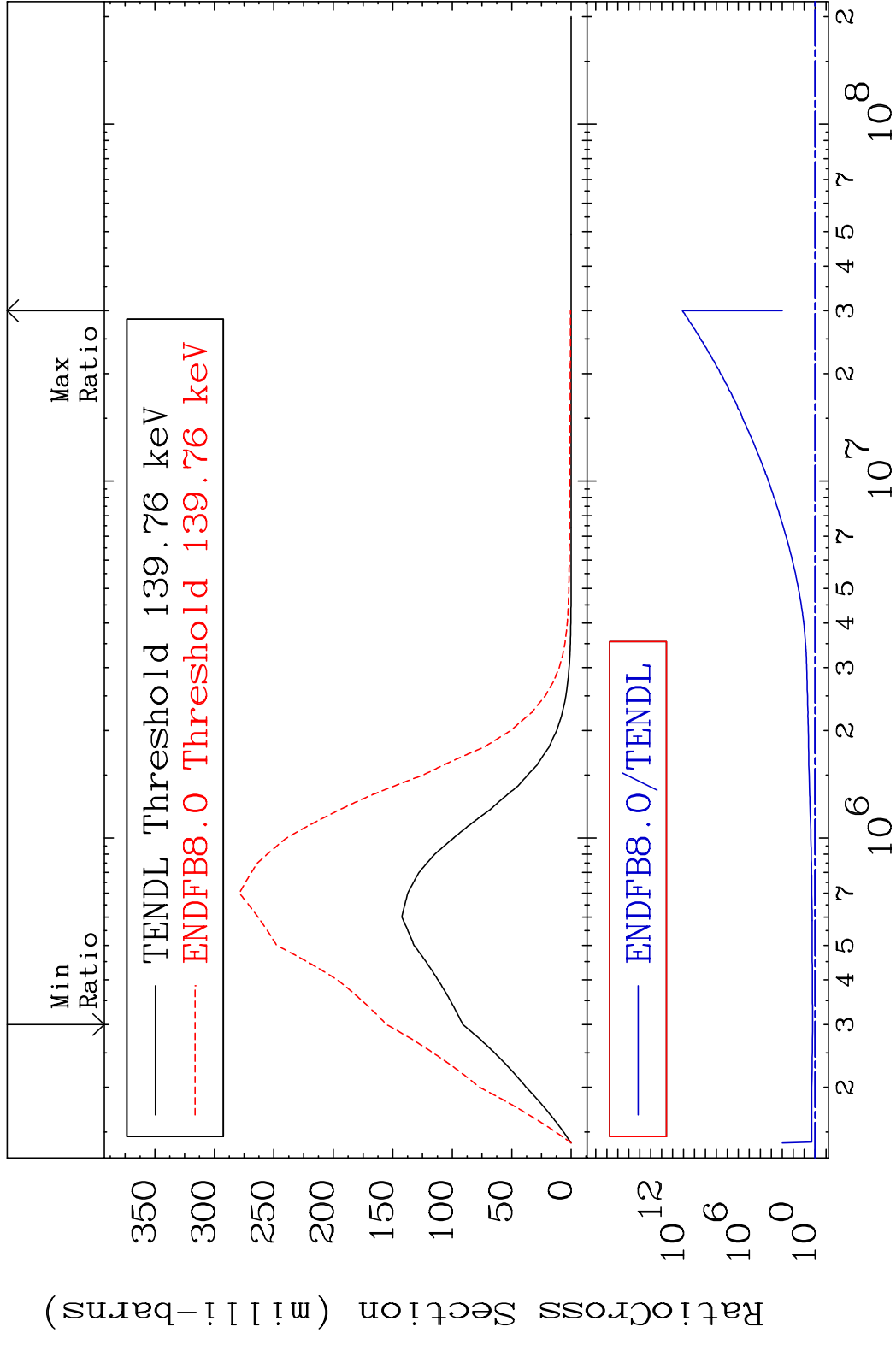
MAT 6925 MT= 51 (n,n') Level 69-Tm-169
 Cross Section -99.36 To 72.00 %



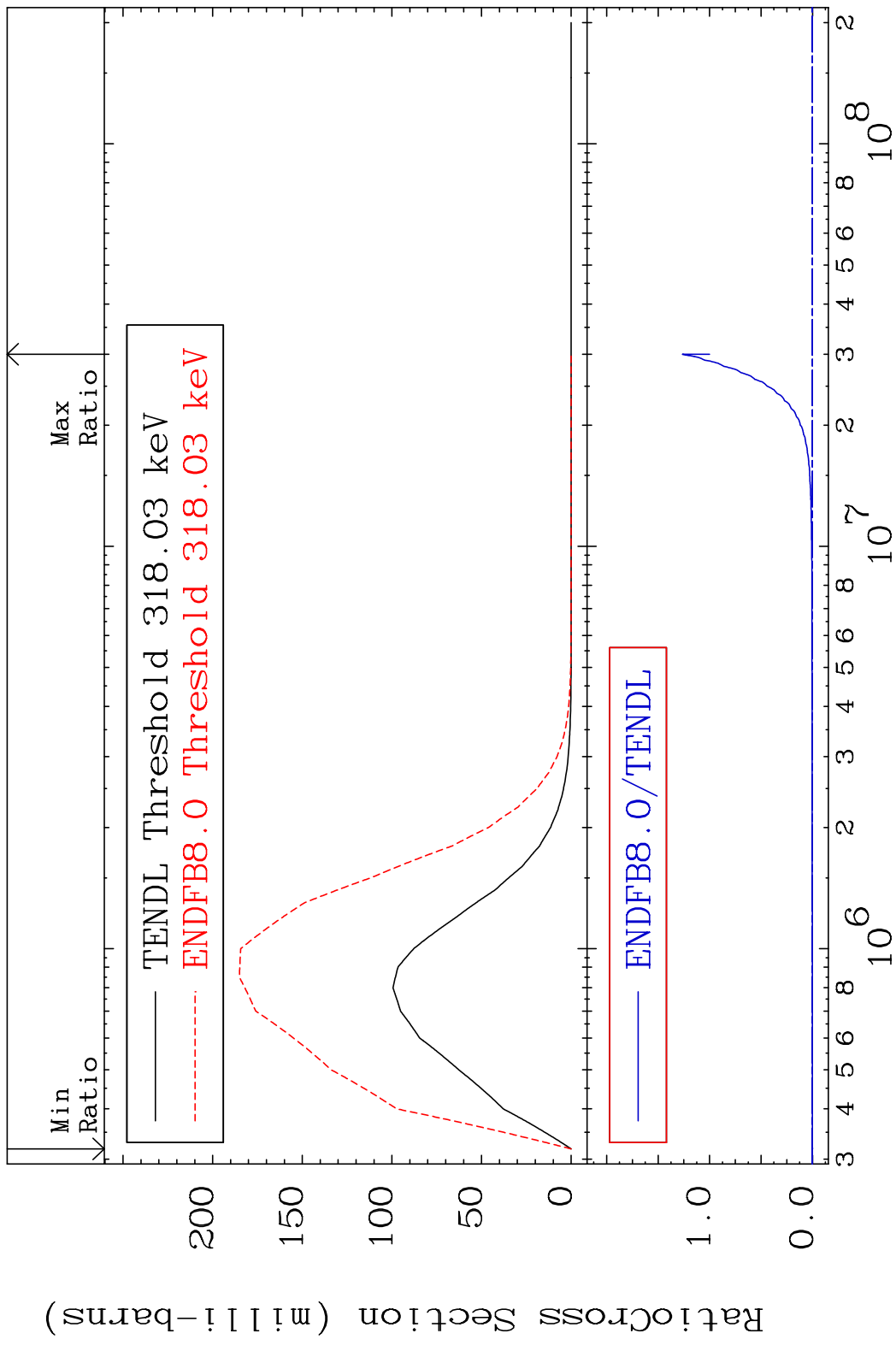
MAT 6925 MT= 52 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 9.769 %



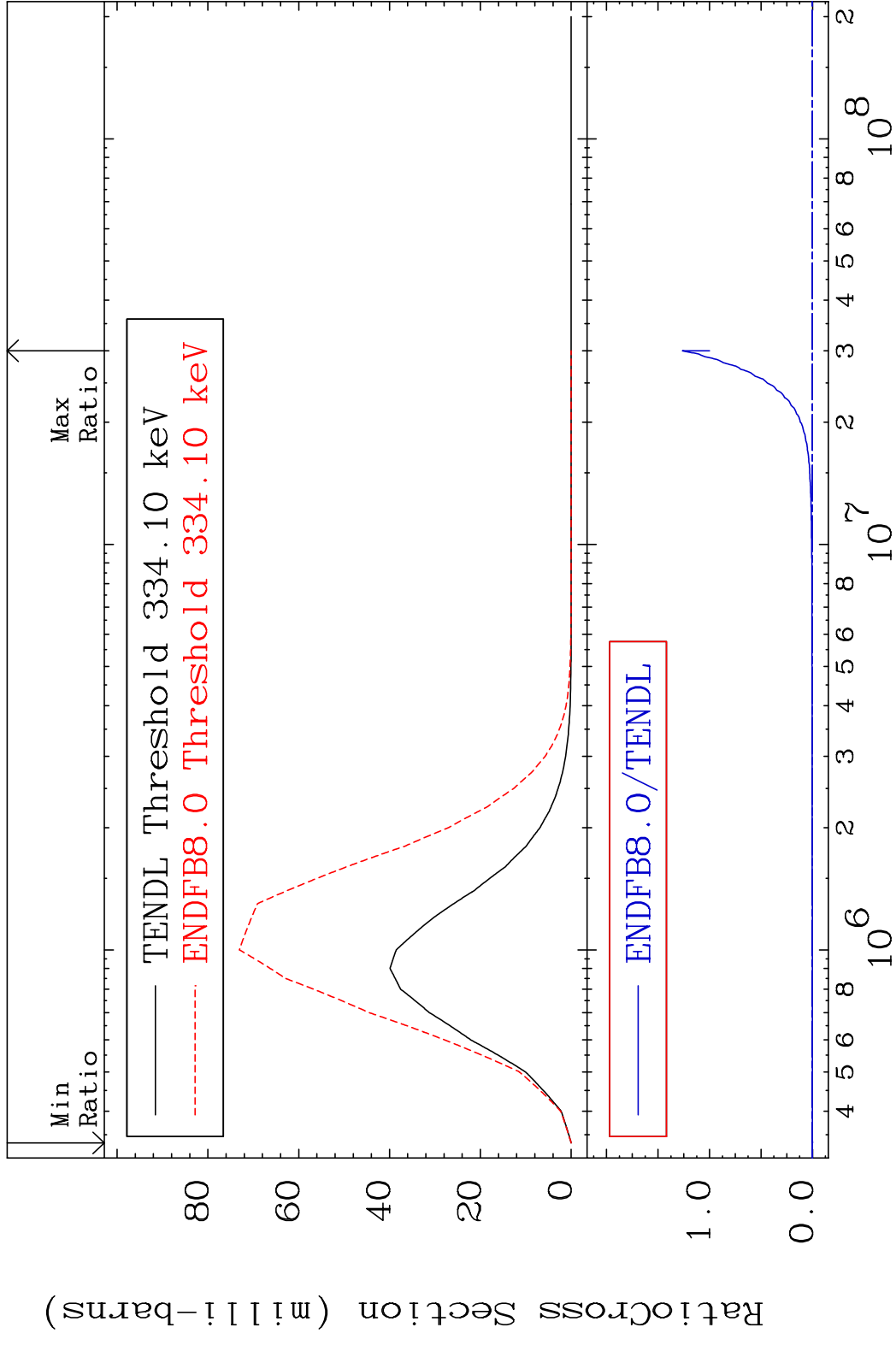
MAT 6925 MT= 53 (n, n') Level 69-Tm-169
 Cross Section 70.35 To 9999. %



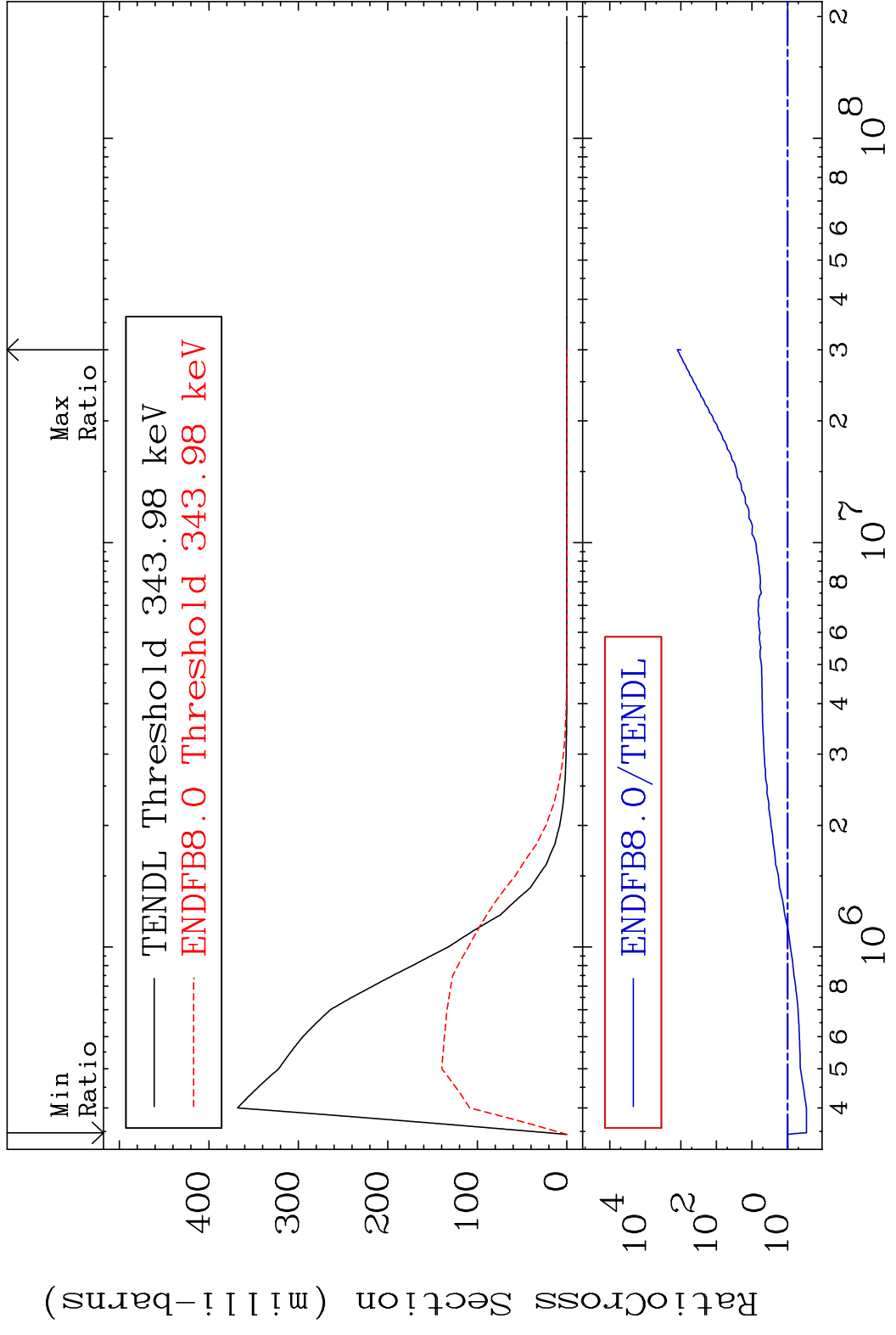
MAT 6925 MT= 54 (n,n') Level 69-Tm-169
 Cross Section -100.0 To 9999. %



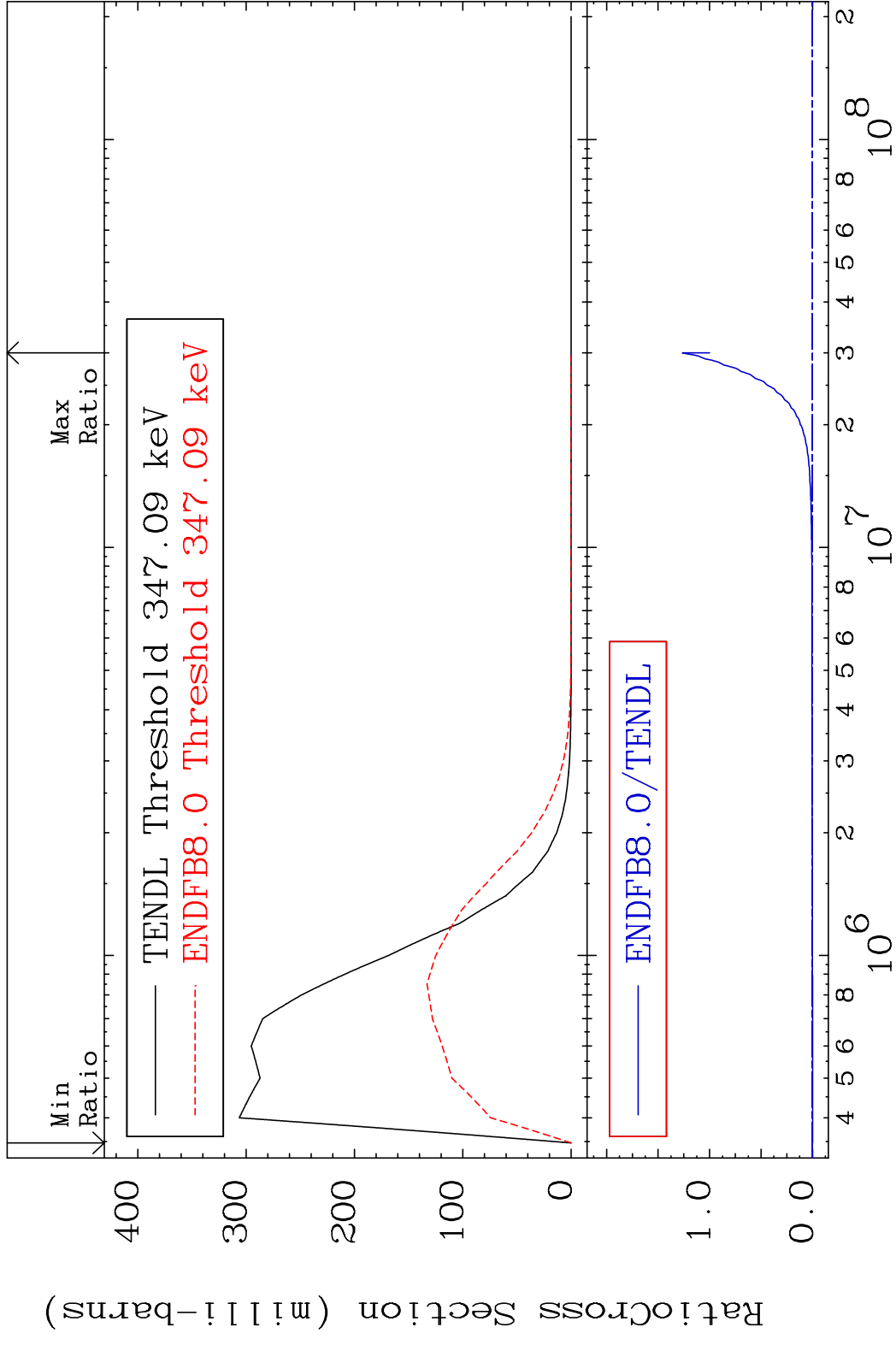
MAT 6925 MT= 55 (n,n') Level 69-Tm-169
 Cross Section -100.0 To 9999. %



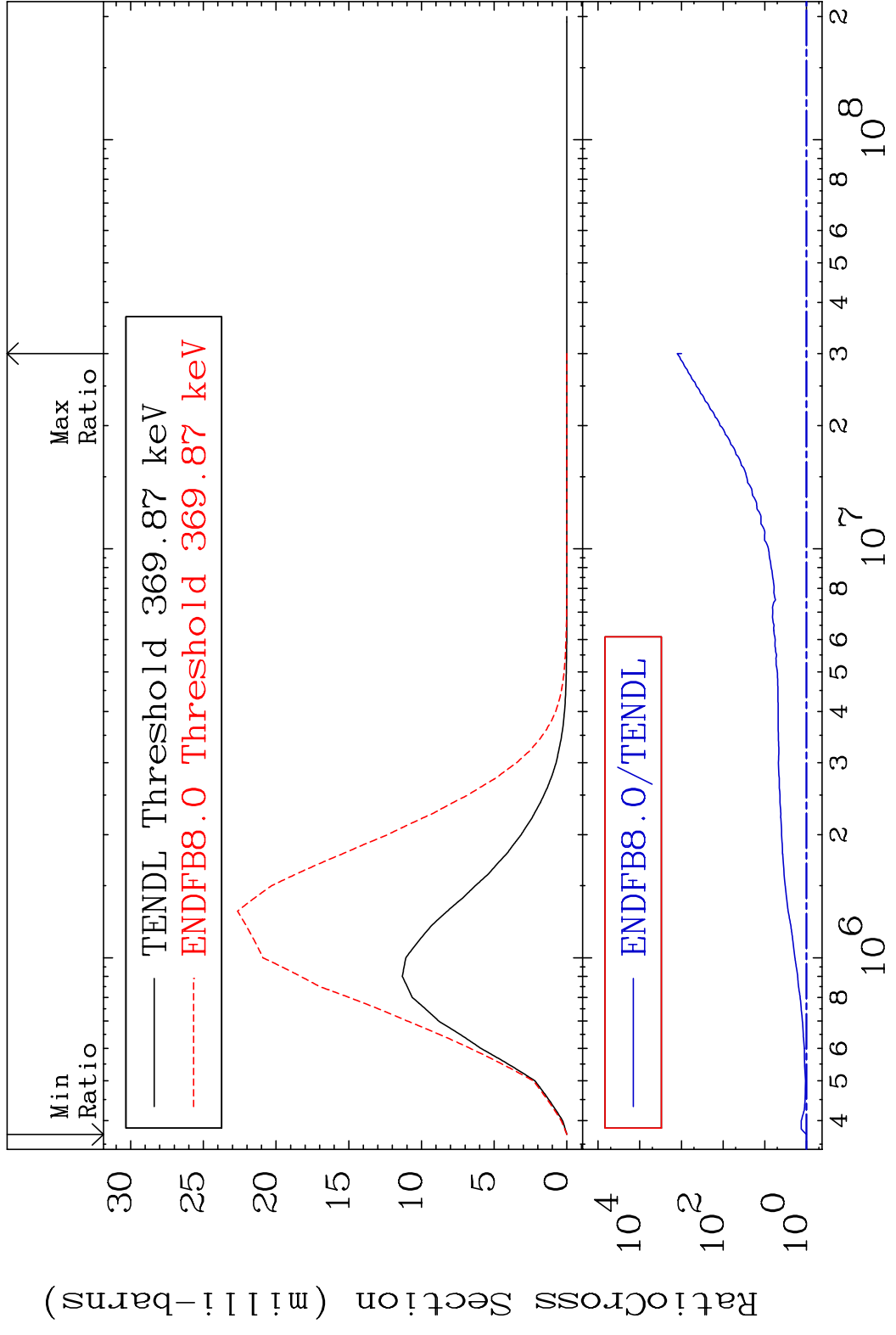
MAT 6925 MT= 56 (n, n') Level 69-Tm-169
 Cross Section -70.50 To 9999. %



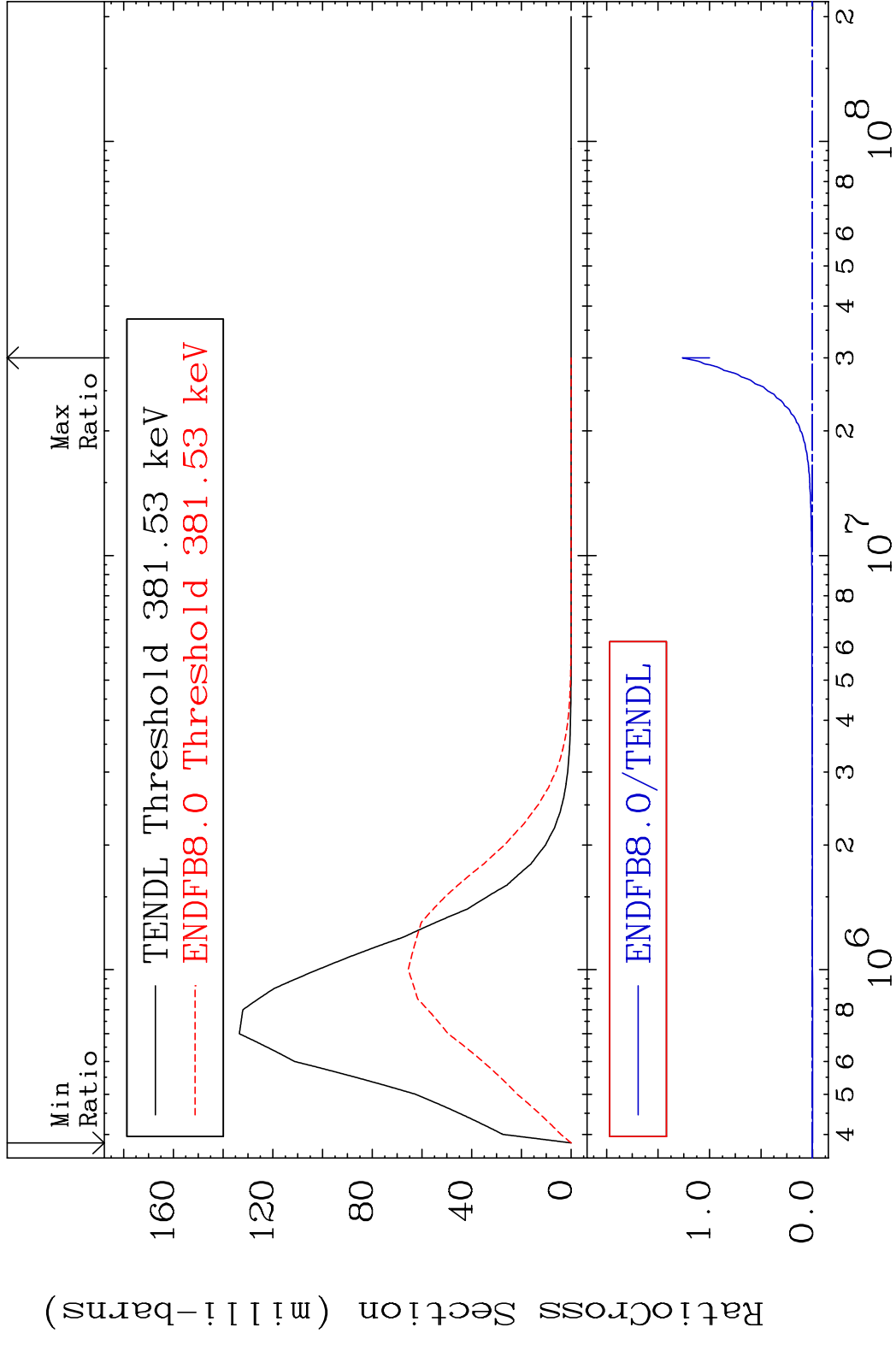
MAT 6925 MT= 57 (n,n') Level 69-Tm-169
 Cross Section -100.0 To 9999. %



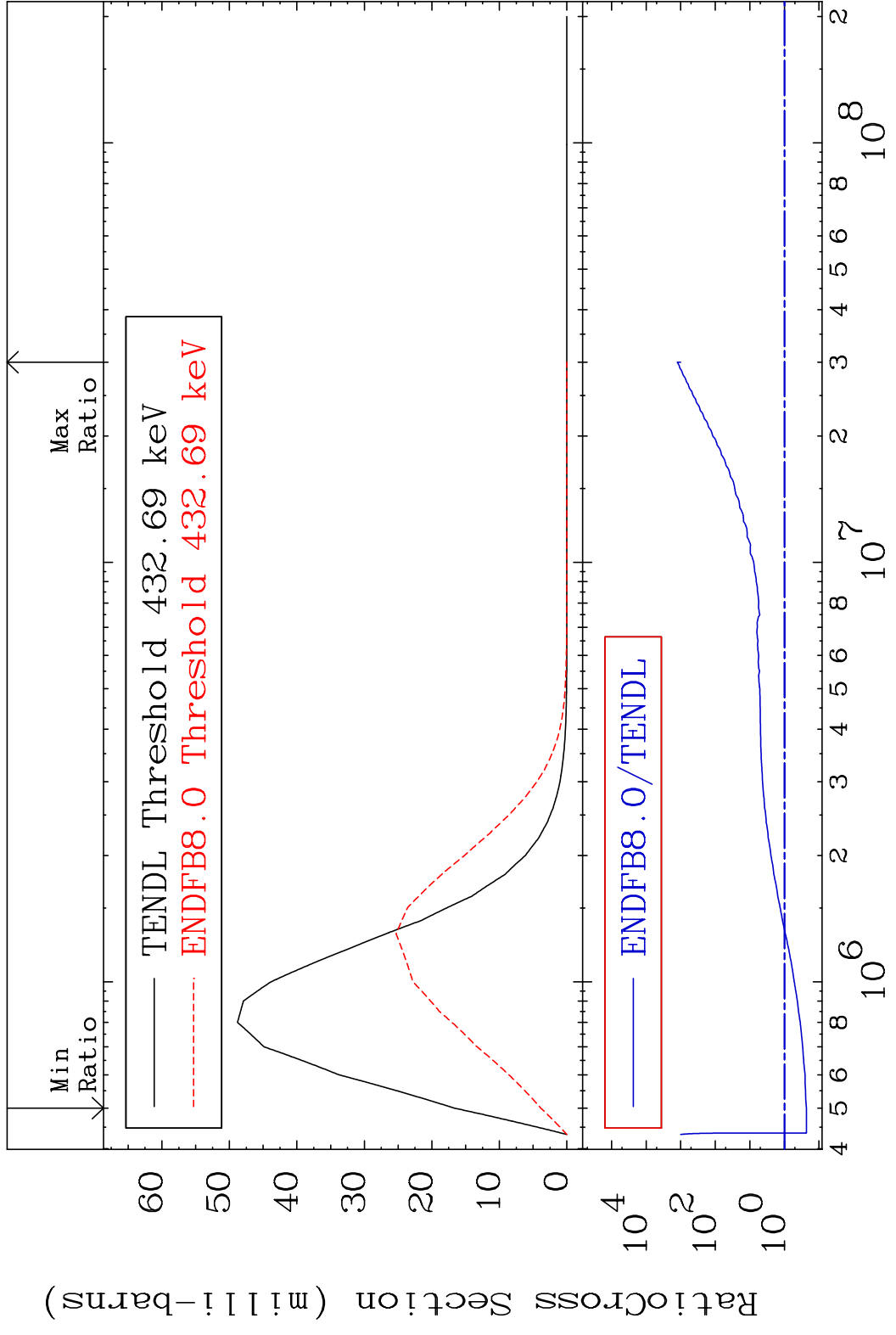
MAT 6925 MT= 58 (n,n') Level 69-Tm-169
 Cross Section 0.000 To 9999. %



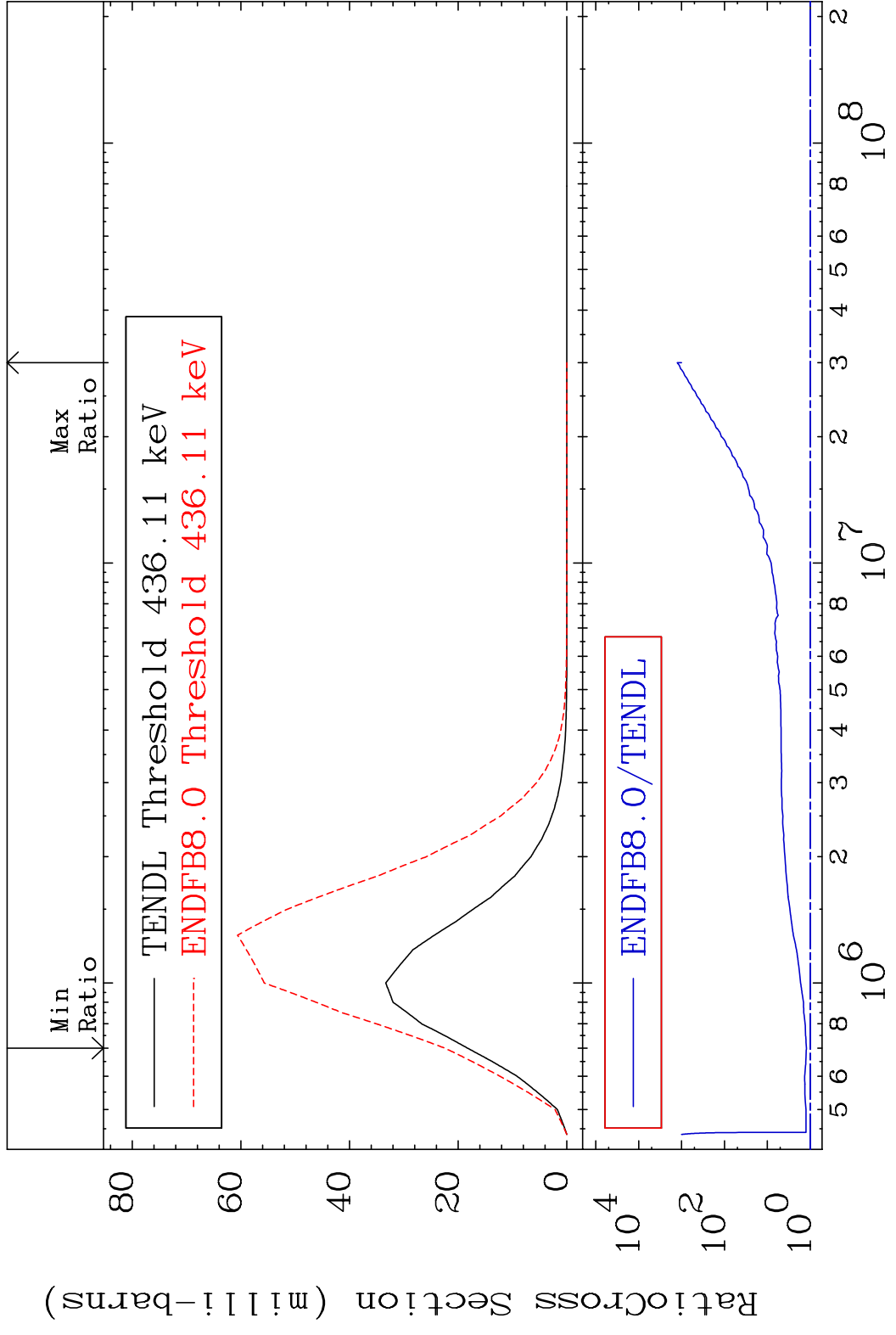
MAT 6925 MT= 59 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 9999. %



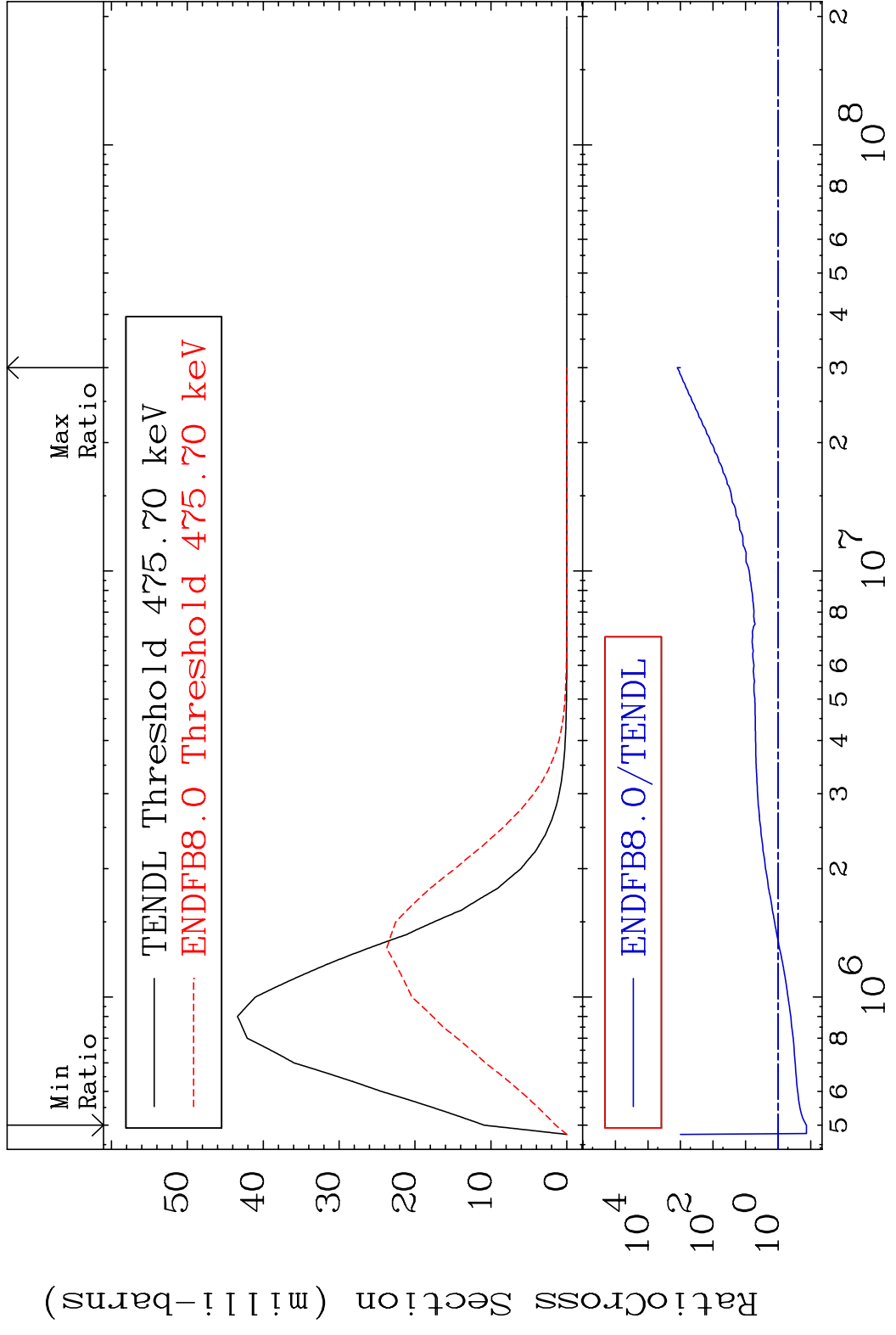
MAT 6925 MT= 60 (n, n') Level 69-Tm-169
 Cross Section -76.85 To 9999. %



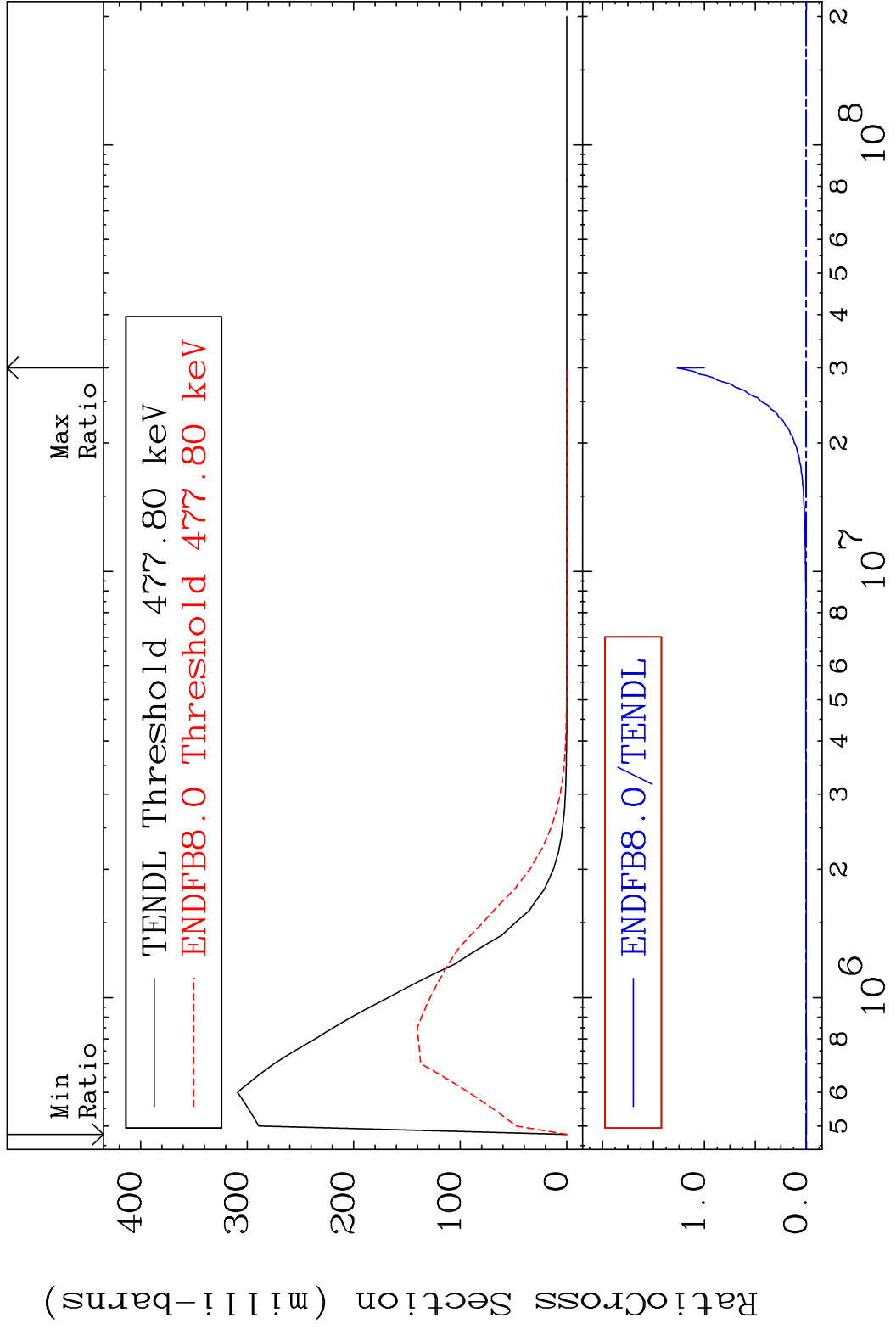
MAT 6925 MT= 61 (n, n') Level 69-Tm-169
 Cross Section 22.82 To 9999. %



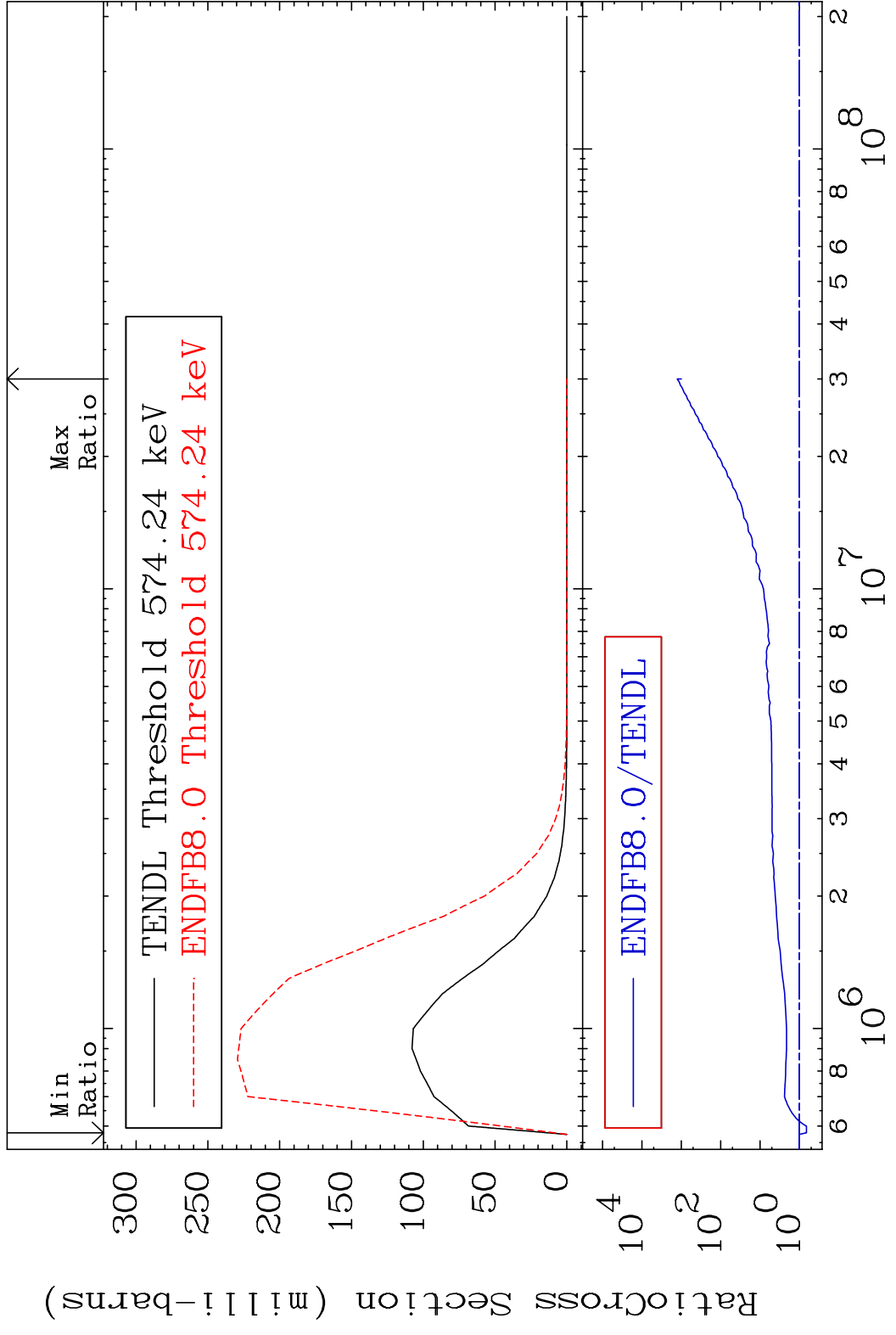
MAT 6925 MT= 62 (n, n') Level 69-Tm-169
 Cross Section -86.47 To 9999. %



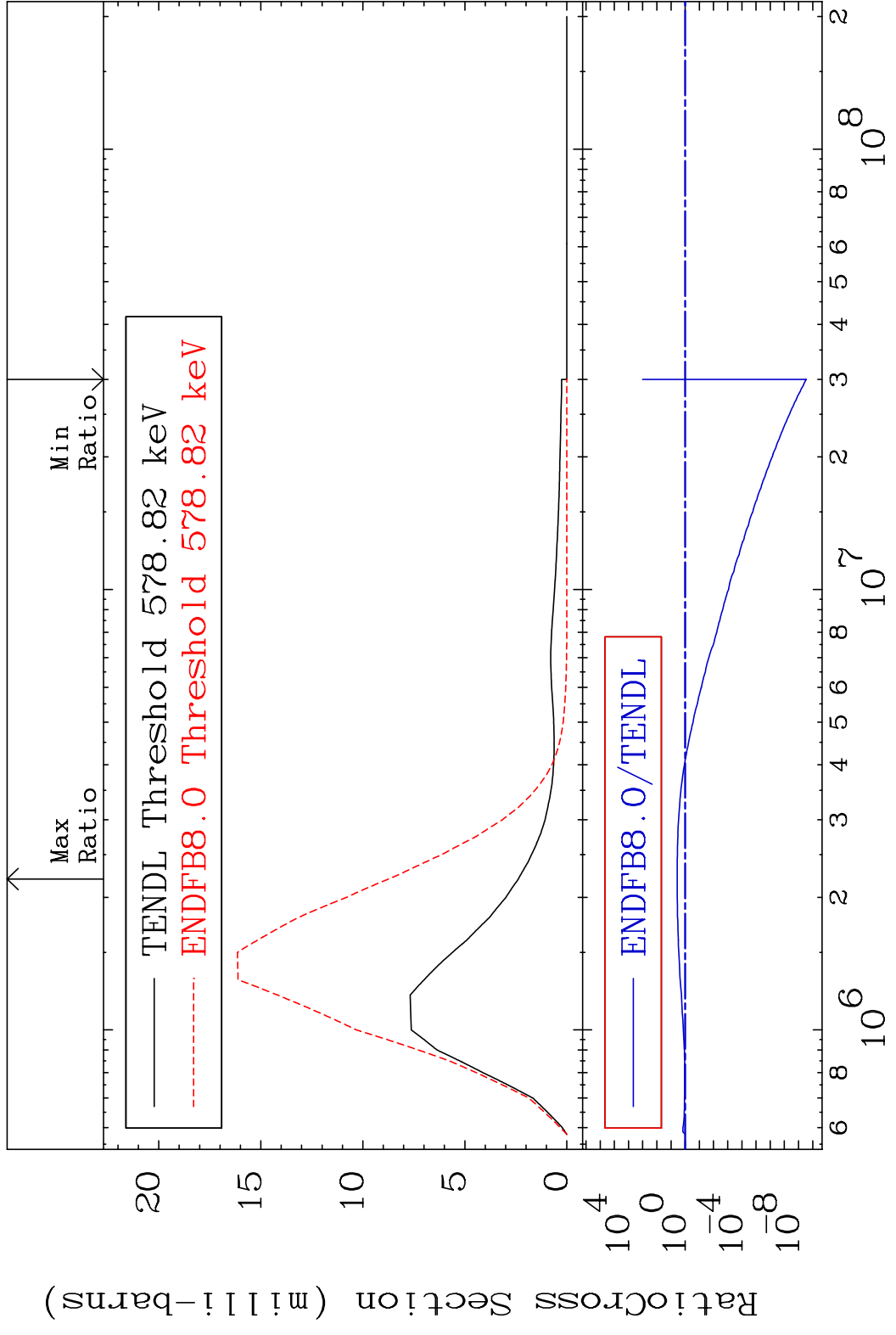
MAT 6925 MT= 63 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 9999. %



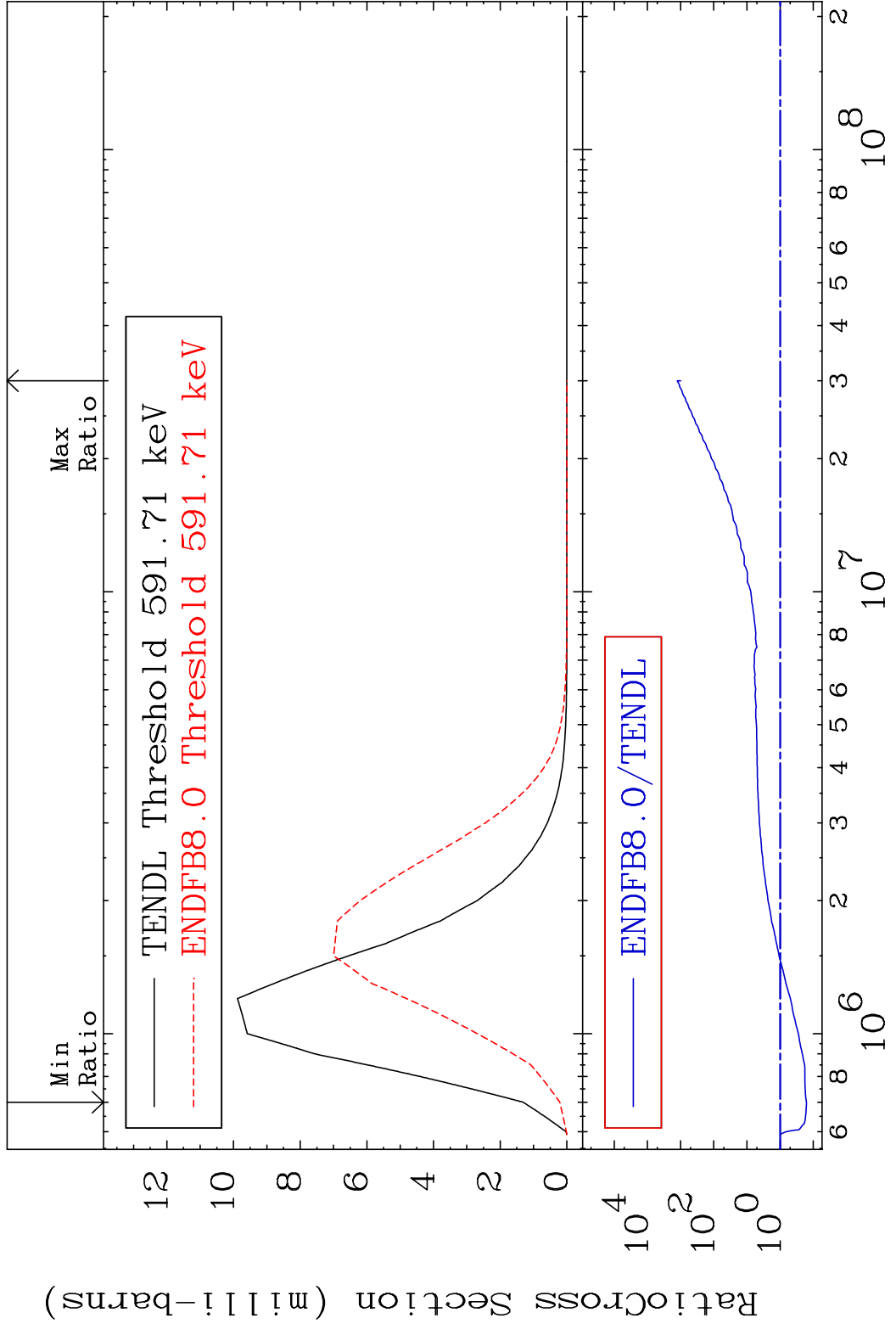
MAT 6925 MT= 64 (n, n') Level 69-Tm-169
 Cross Section -33.58 To 9999. %



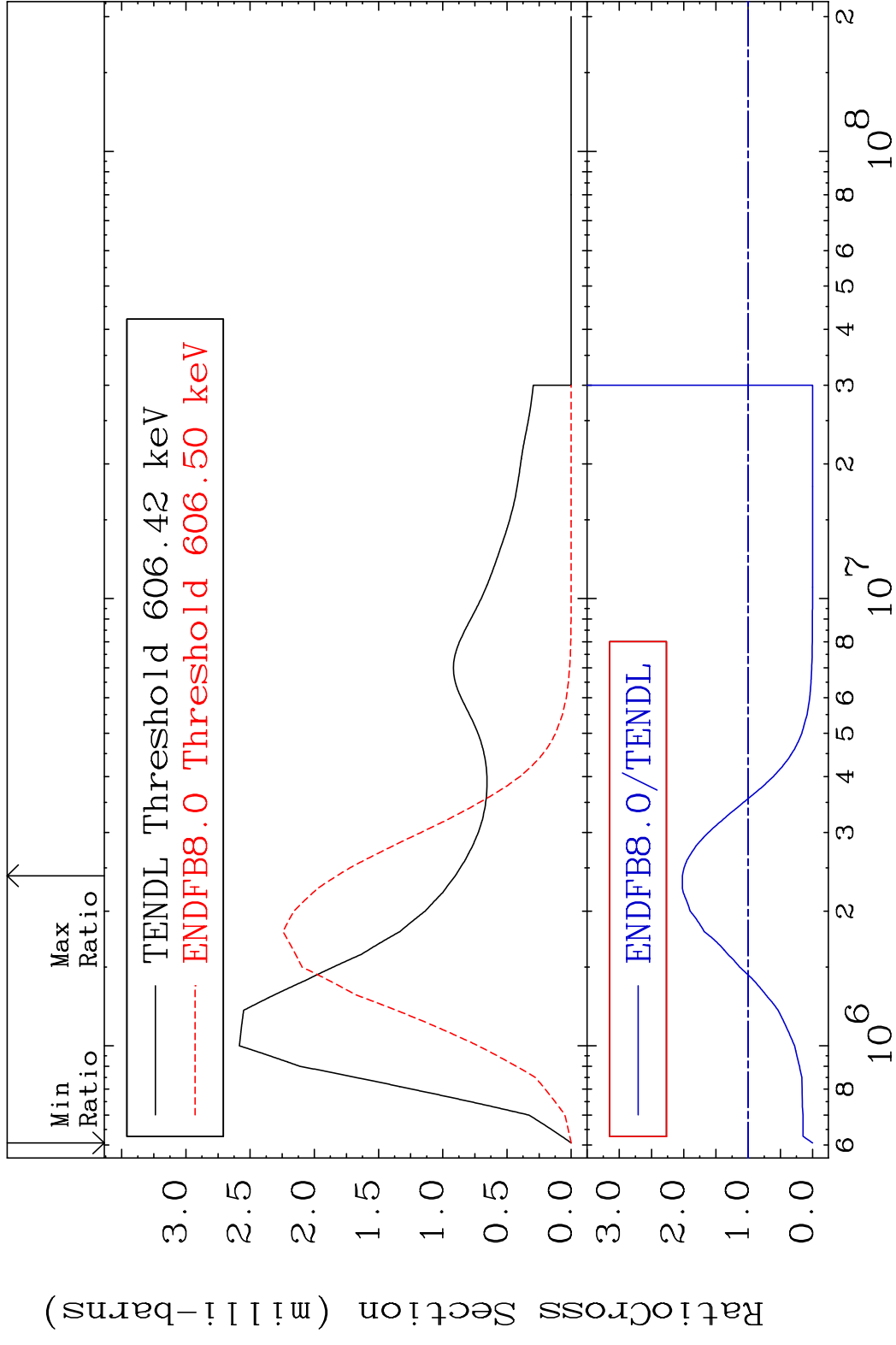
MAT 6925 MT= 65 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 268.0 %



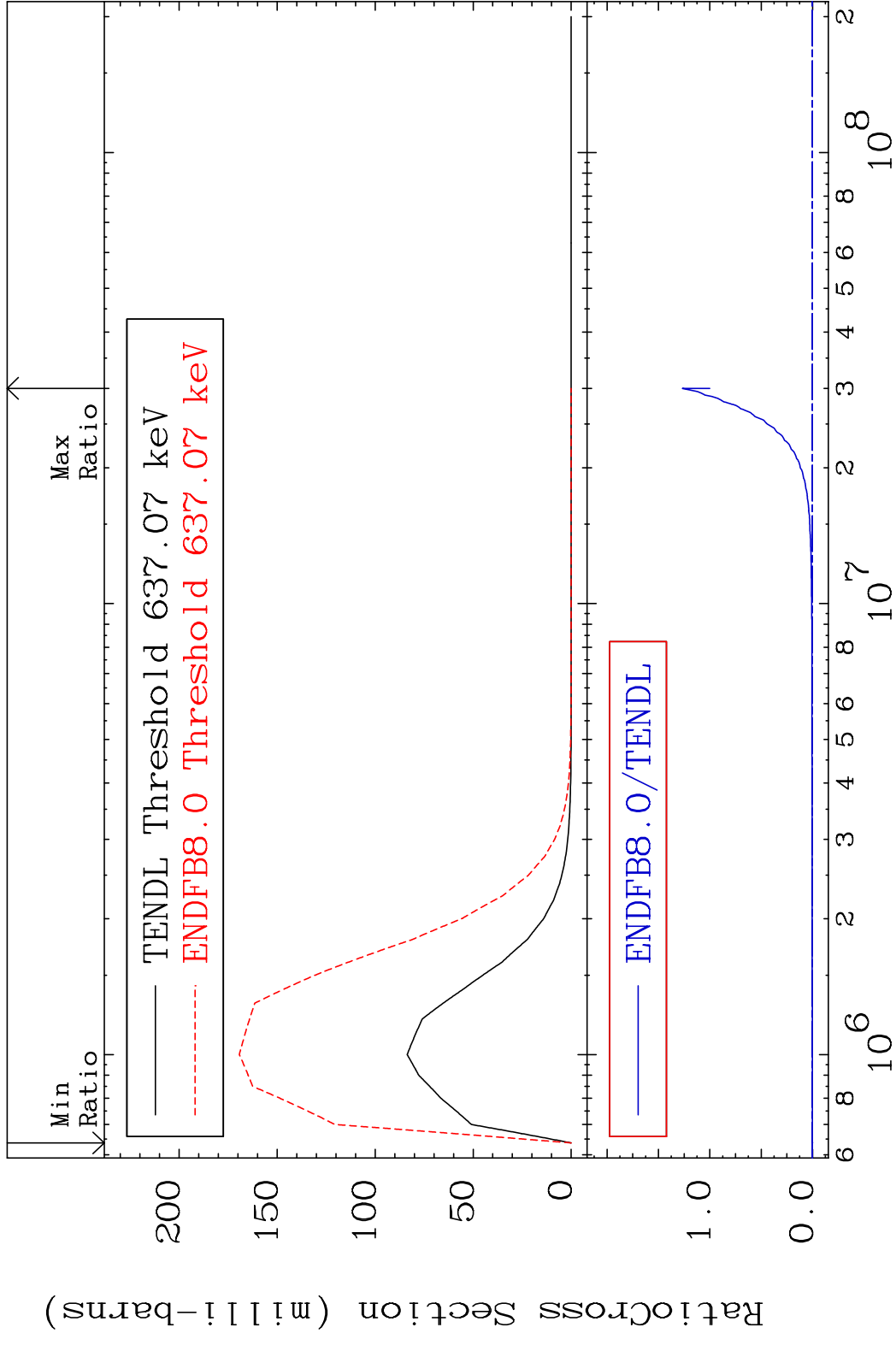
MAT 6925 MT= 66 (n,n') Level 69-Tm-169
 Cross Section -83.90 To 9999. %



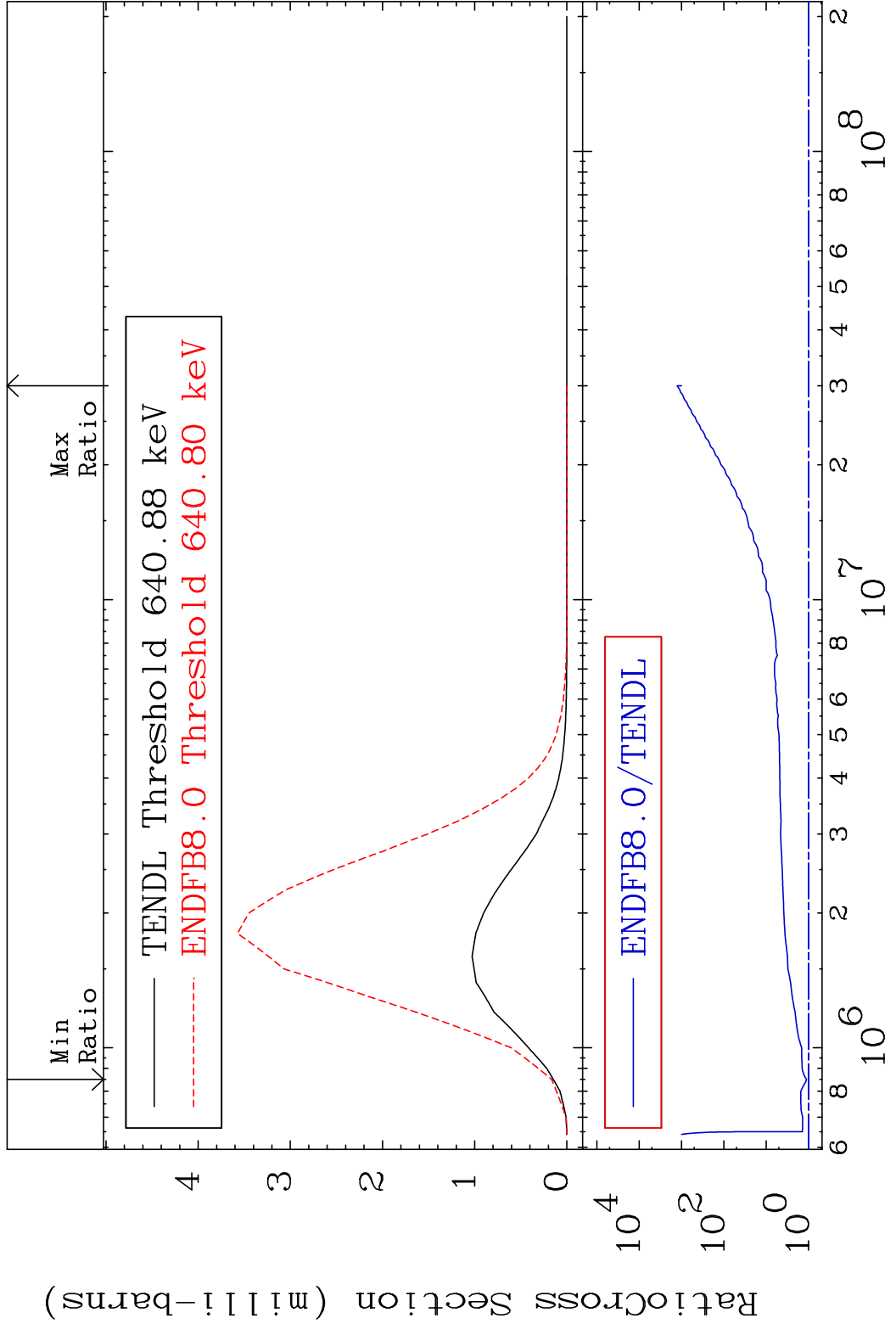
MAT 6925 MT= 67 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 102.1 %



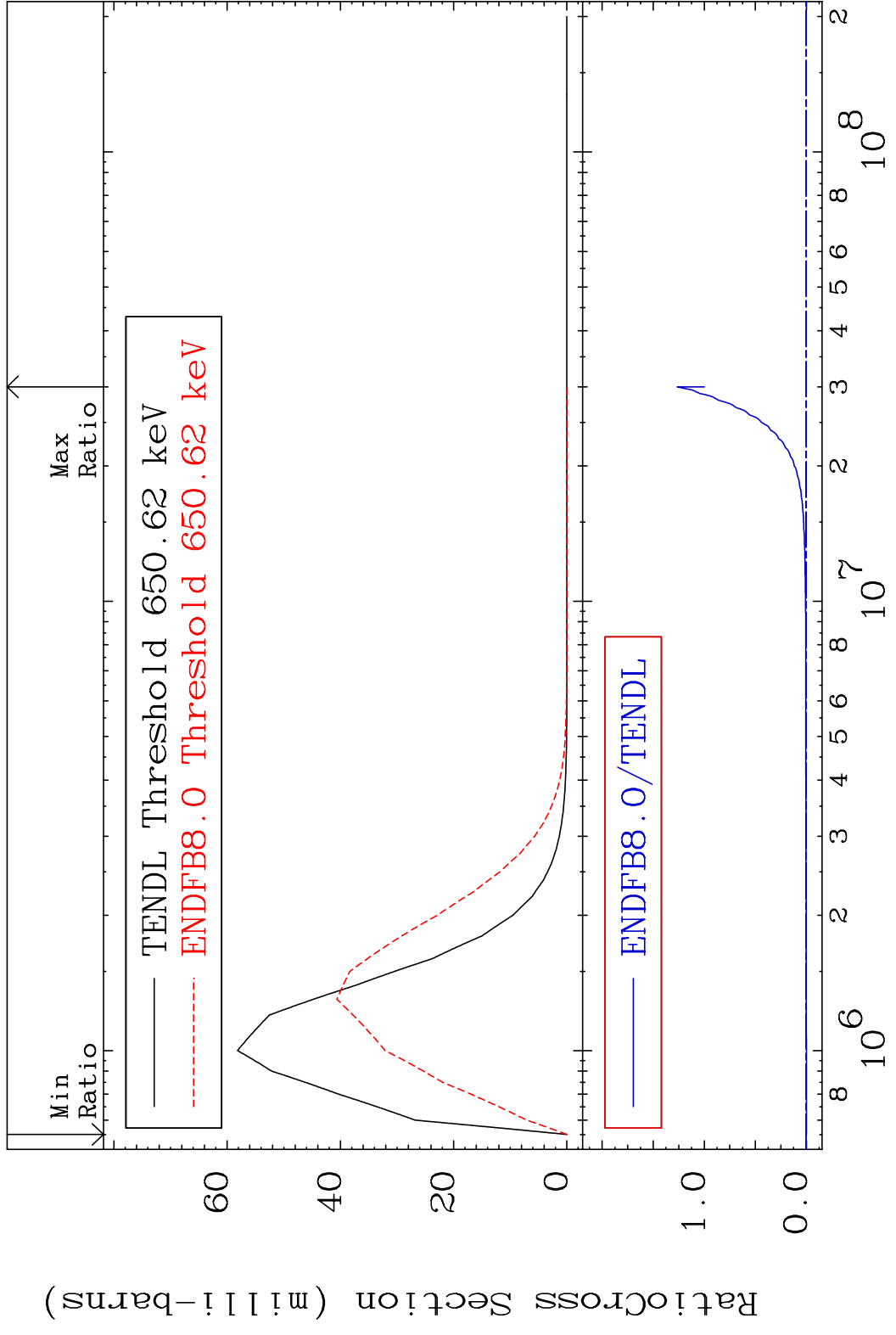
MAT 6925 MT= 68 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 9999. %



MAT 6925 MT= 69 (n, n') Level 69-Tm-169
 Cross Section 12.00 To 9999. %



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

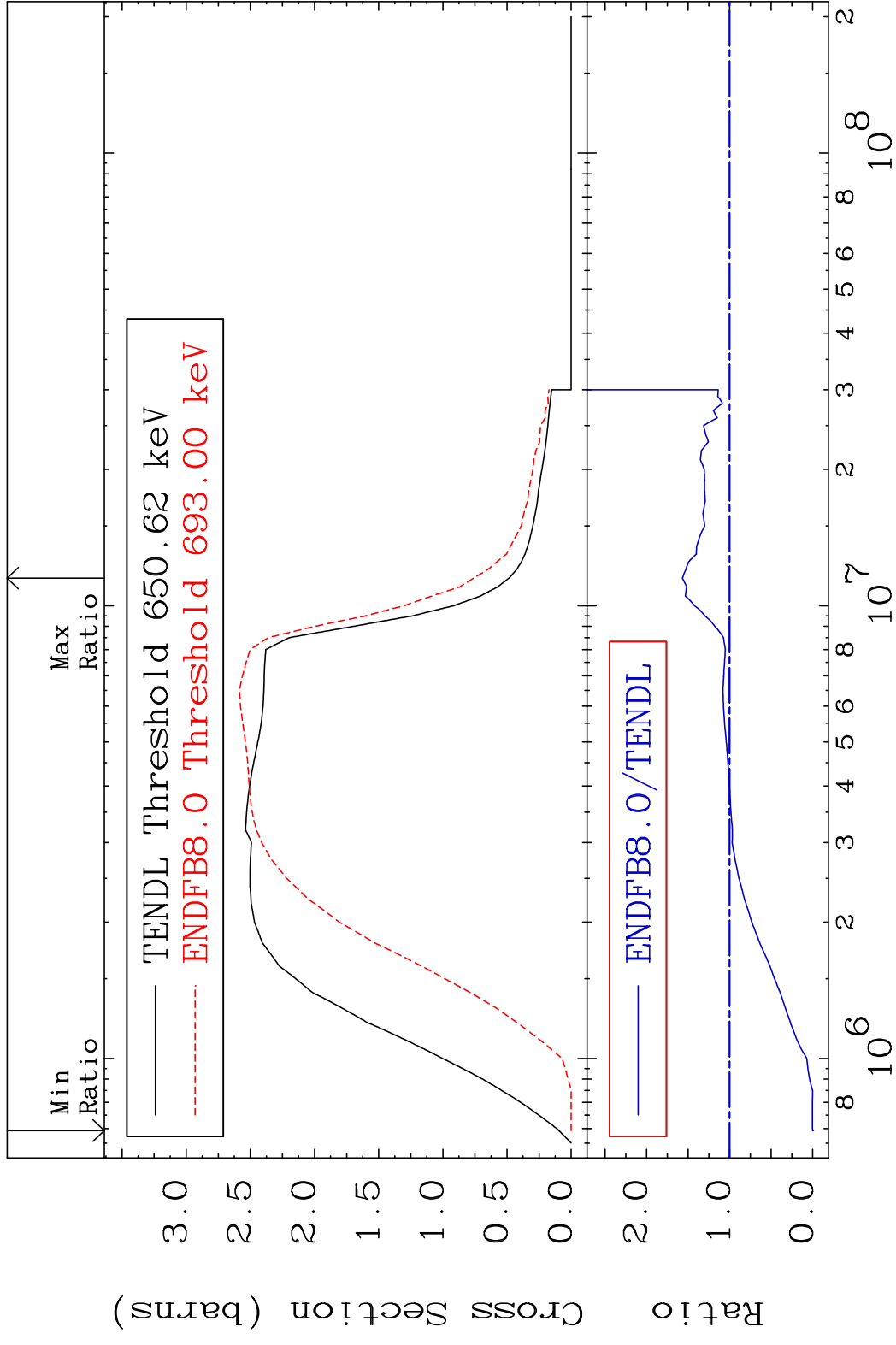


30

Incident Energy (eV)

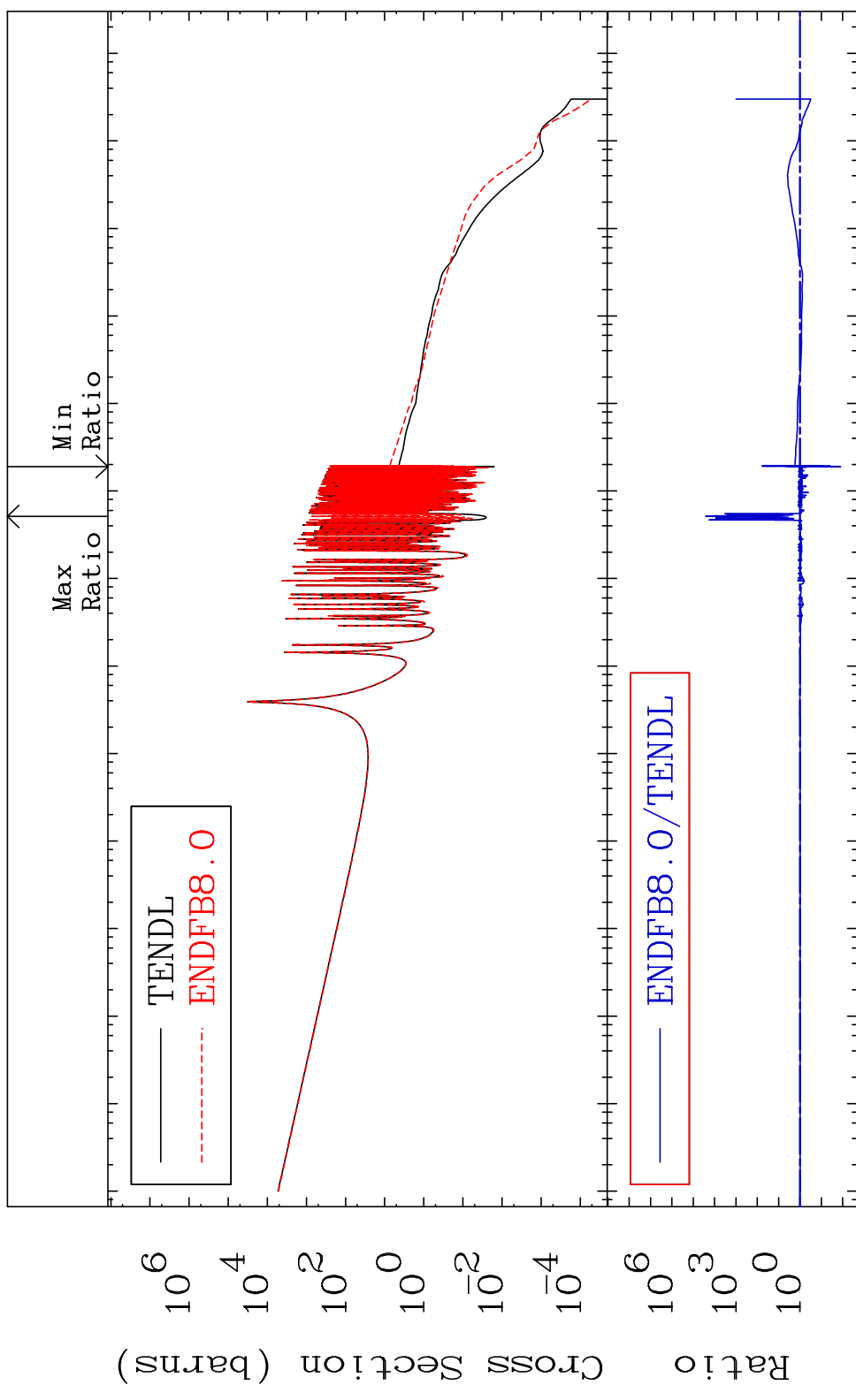
69-Tm-169

MAT 6925 (n, n') Continuum 69-Tm-169
 Cross Section -100.0 To 56.86 %



MAT 6925

(n, γ)
Cross Section -98.72 To 9999. %
69-Tm-169



32

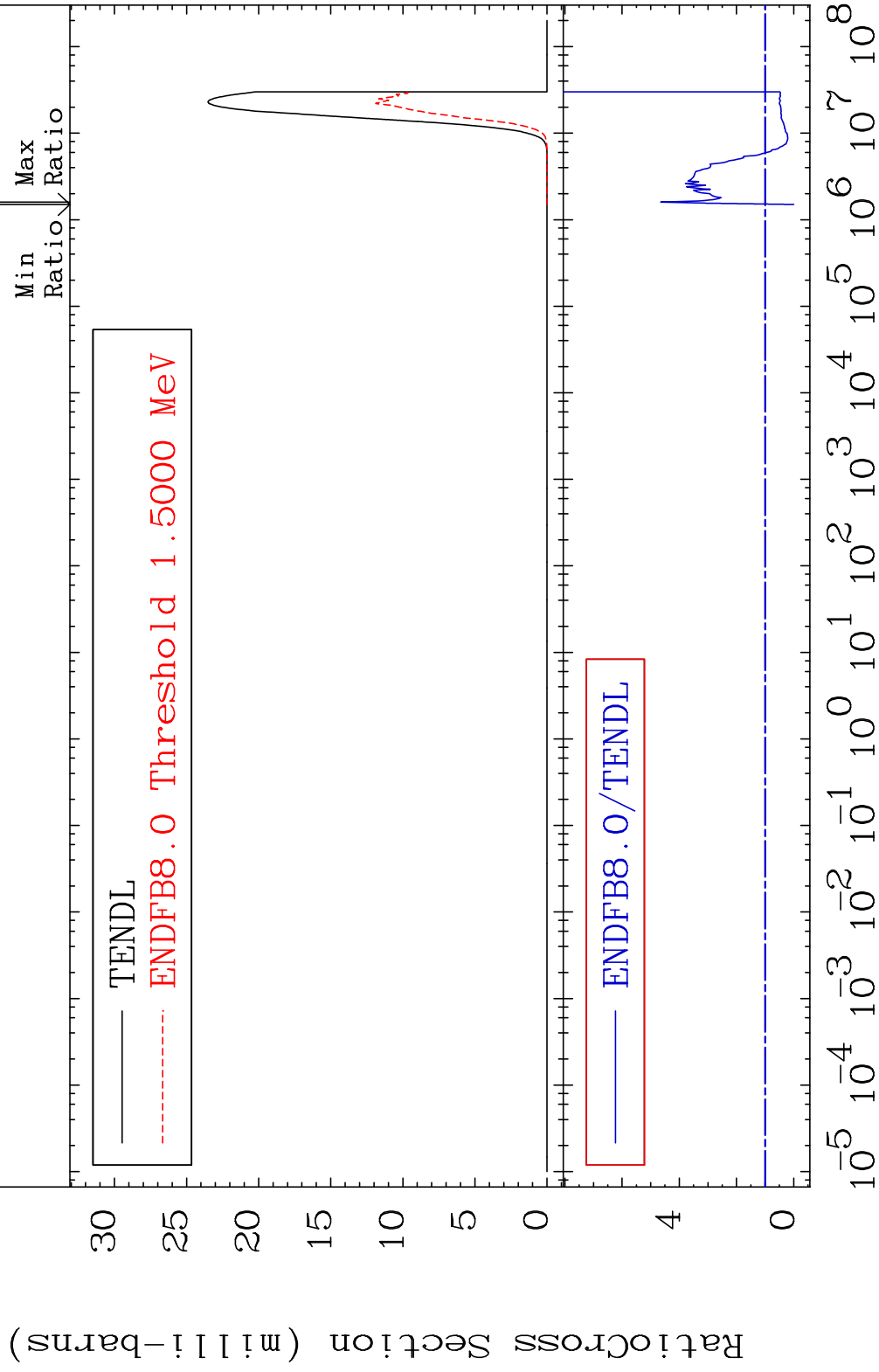
Incident Energy (eV) 69-Tm-169

MAT 6925

(n, p)

69-Tm-169

Cross Section -100.0 To 365.2 %

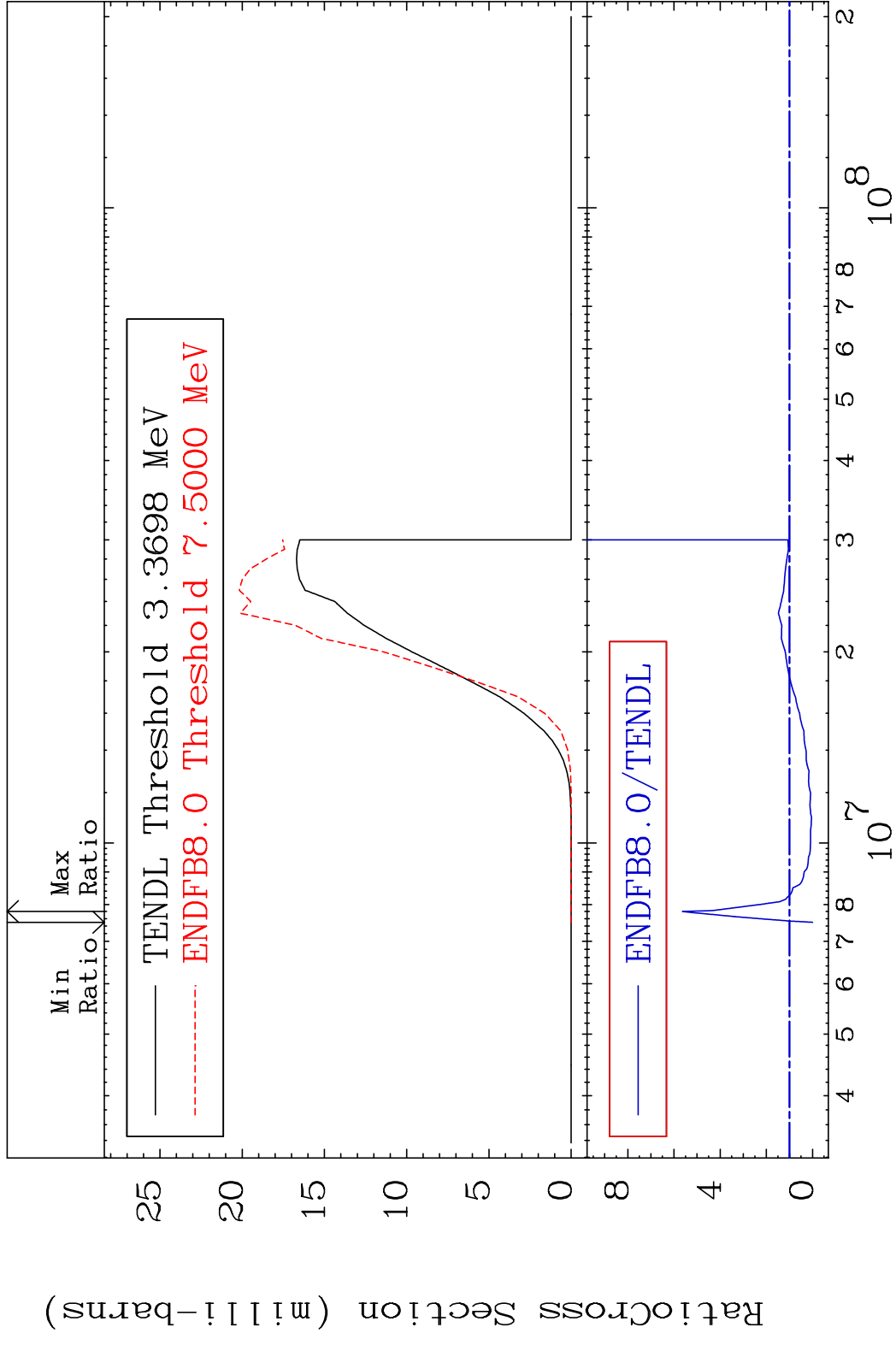


33

Incident Energy (eV)

69-Tm-169

MAT 6925 (n,d) 69-Tm-169
 Cross Section -100.0 To 463.7 %

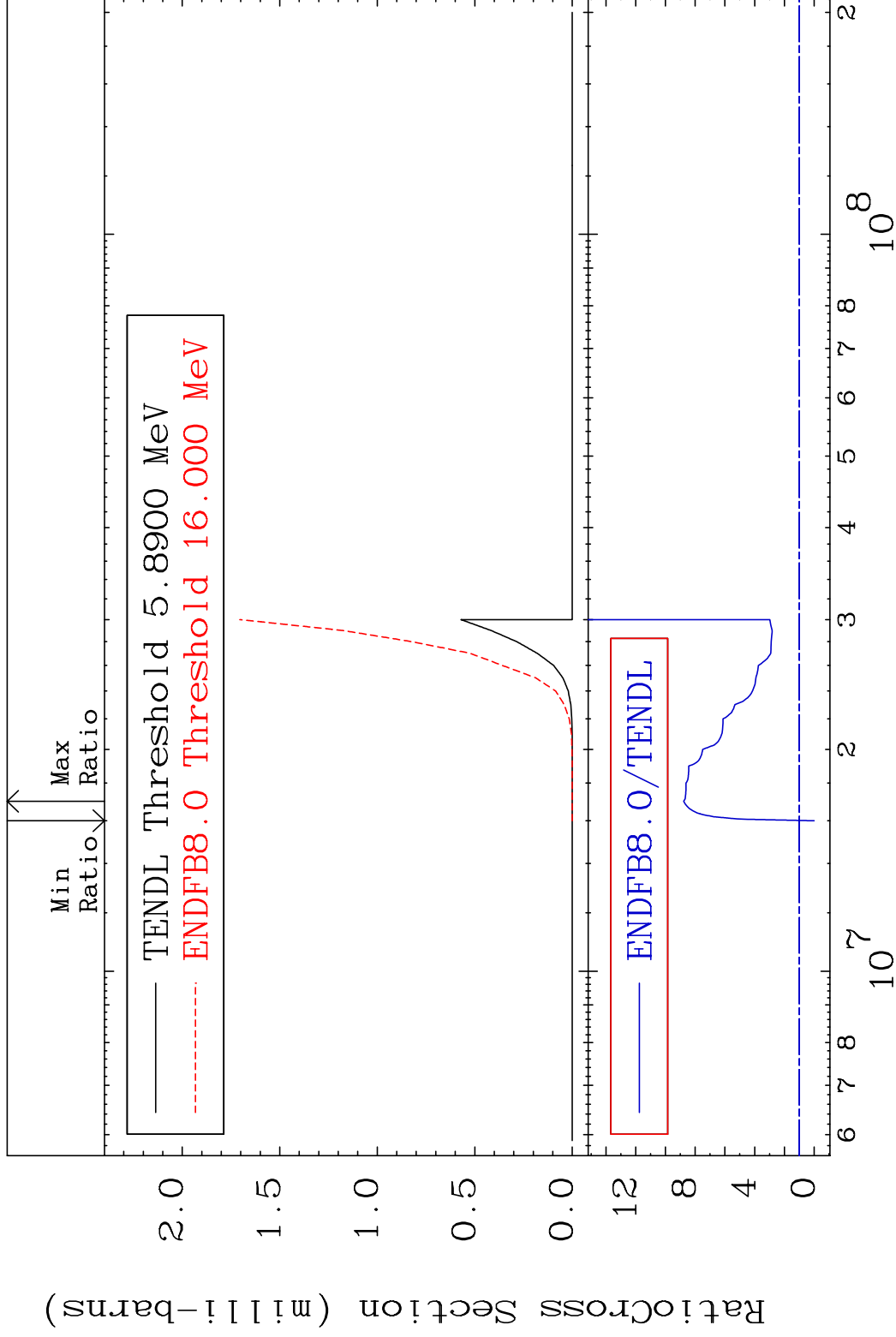


MAT 6925

(n, He-3)

69-Tm-169

Cross Section -100.0 To 777.6 %



35

Incident Energy (eV)

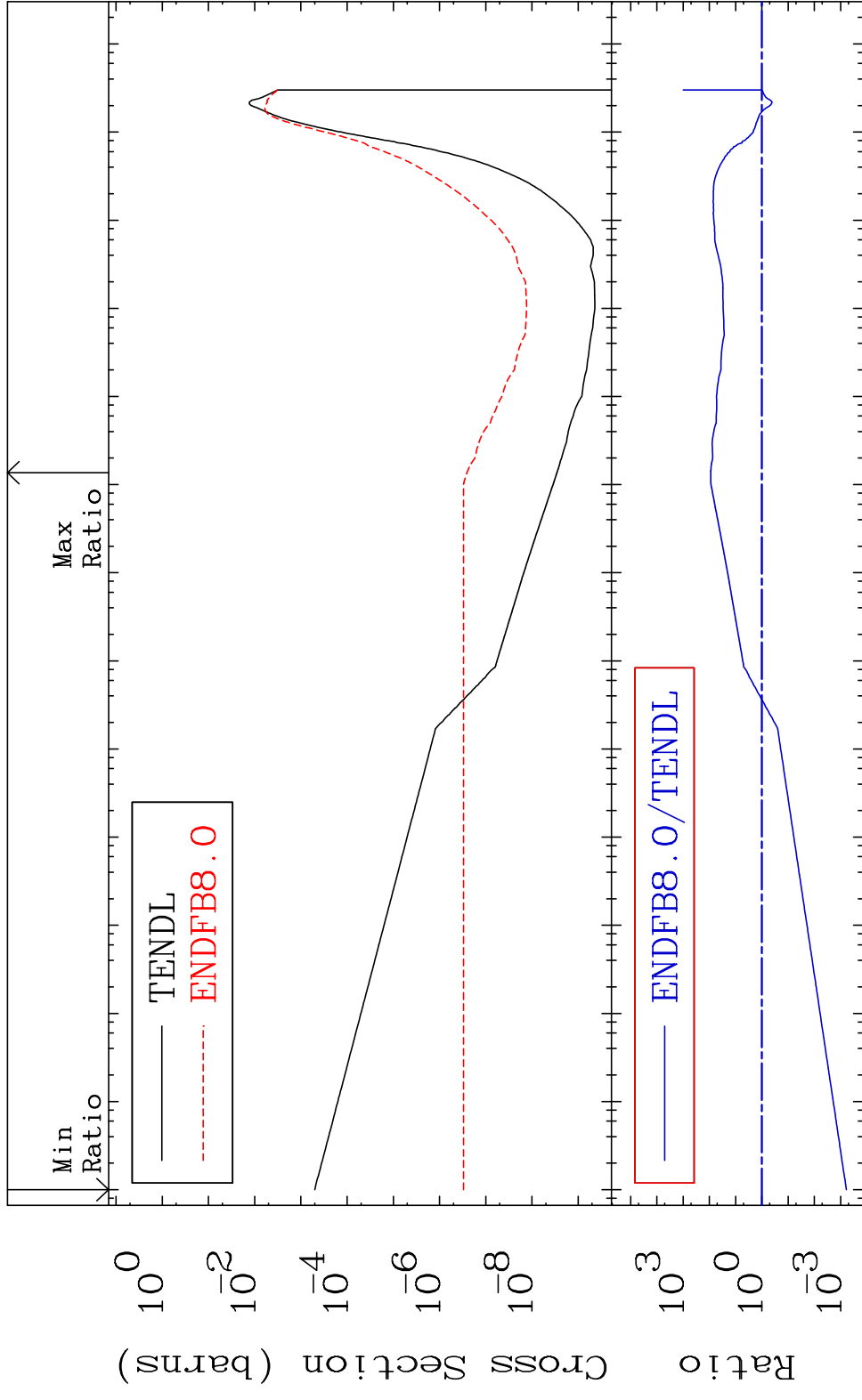
69-Tm-169

MAT 6925

69-Tm-169

(n, α)

Cross Section -99.94 To 8773. %

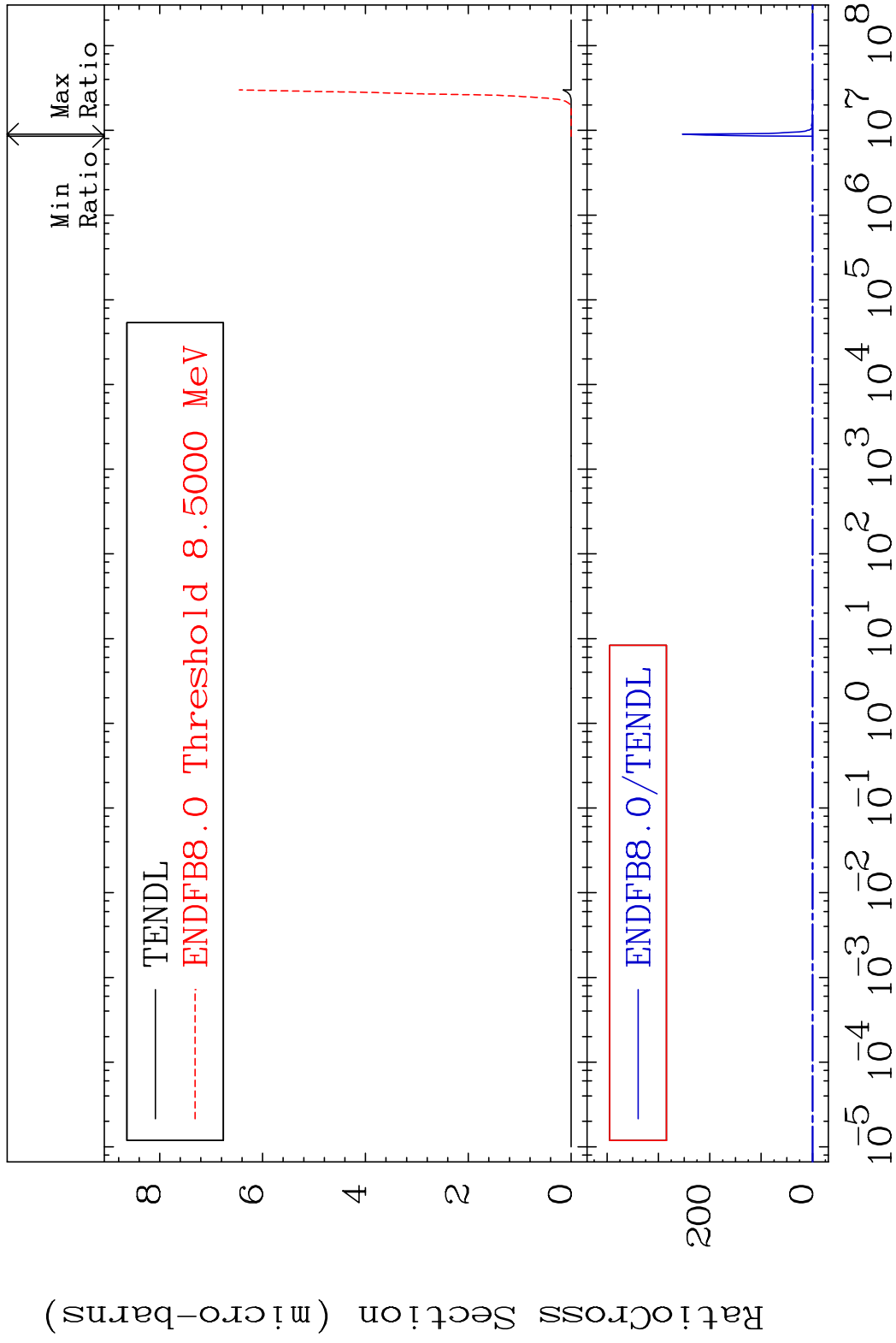


MAT 6925

(n,p) α

69-Tm-169

Cross Section -100.0 To 9999. %

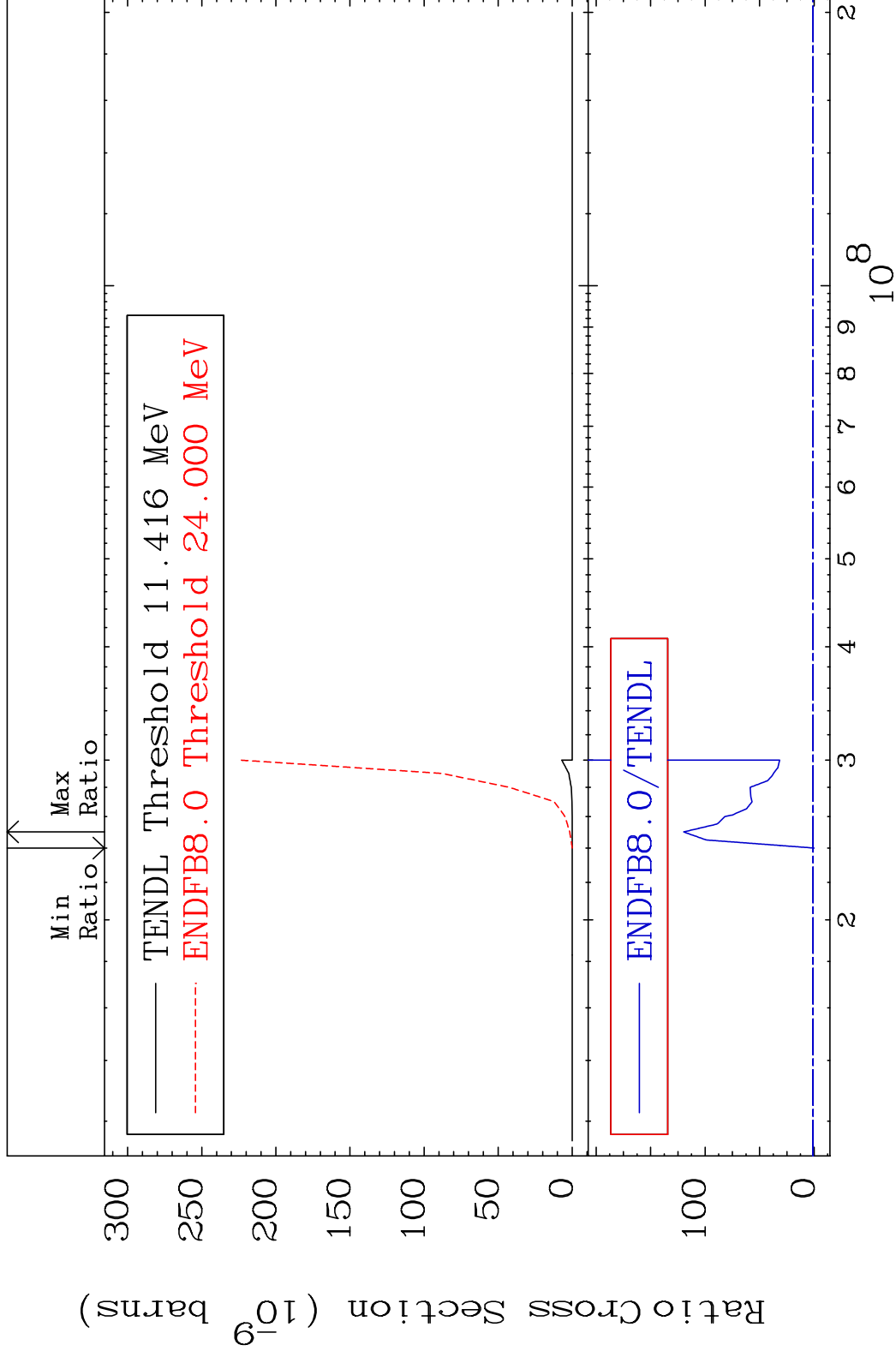


MAT 6925

(n,p) d

69-Tm-169

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

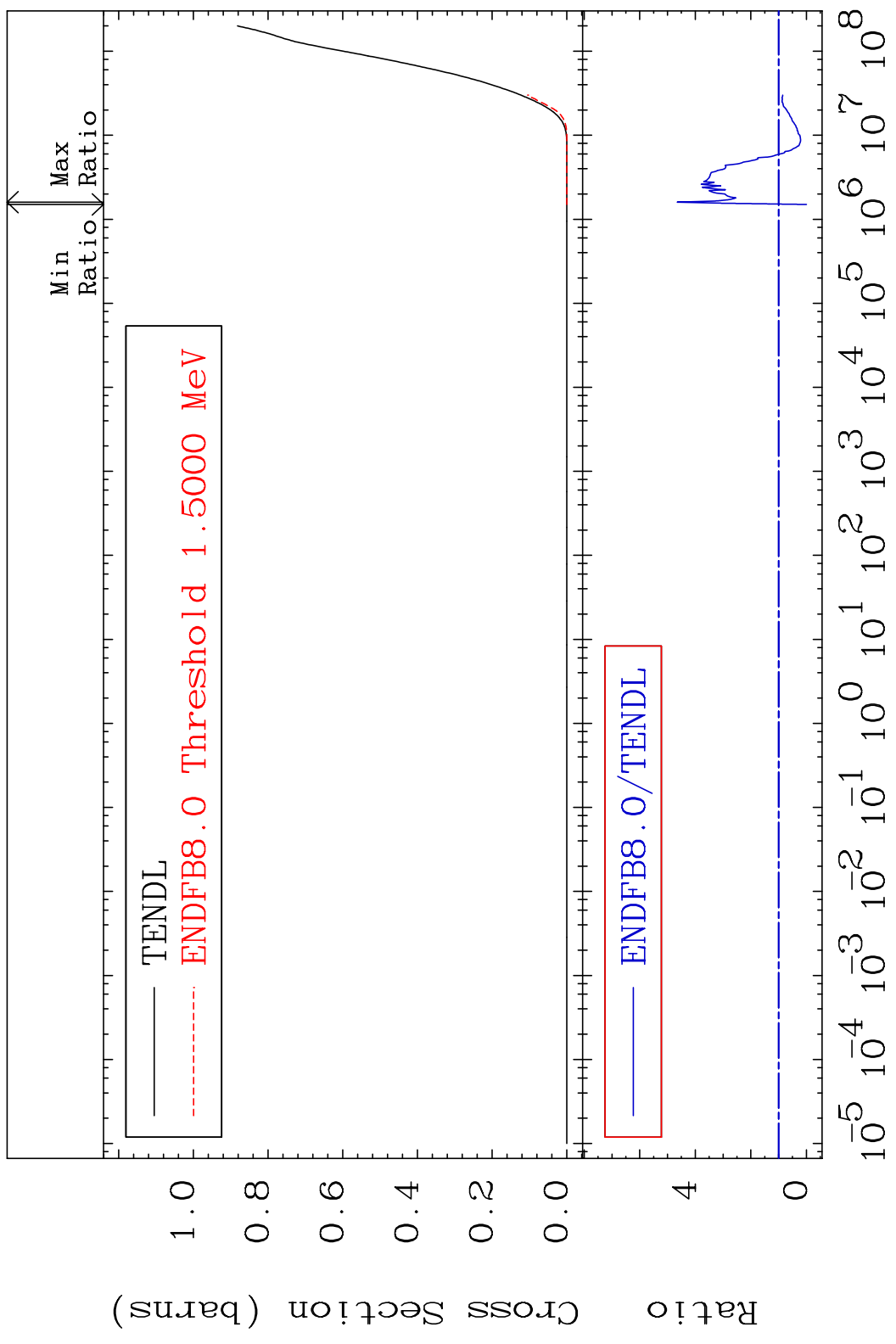
69-Tm-169

MAT 6925

Hydrogen Production

69-Tm-169

Cross Section -100.0 To 365.2 %



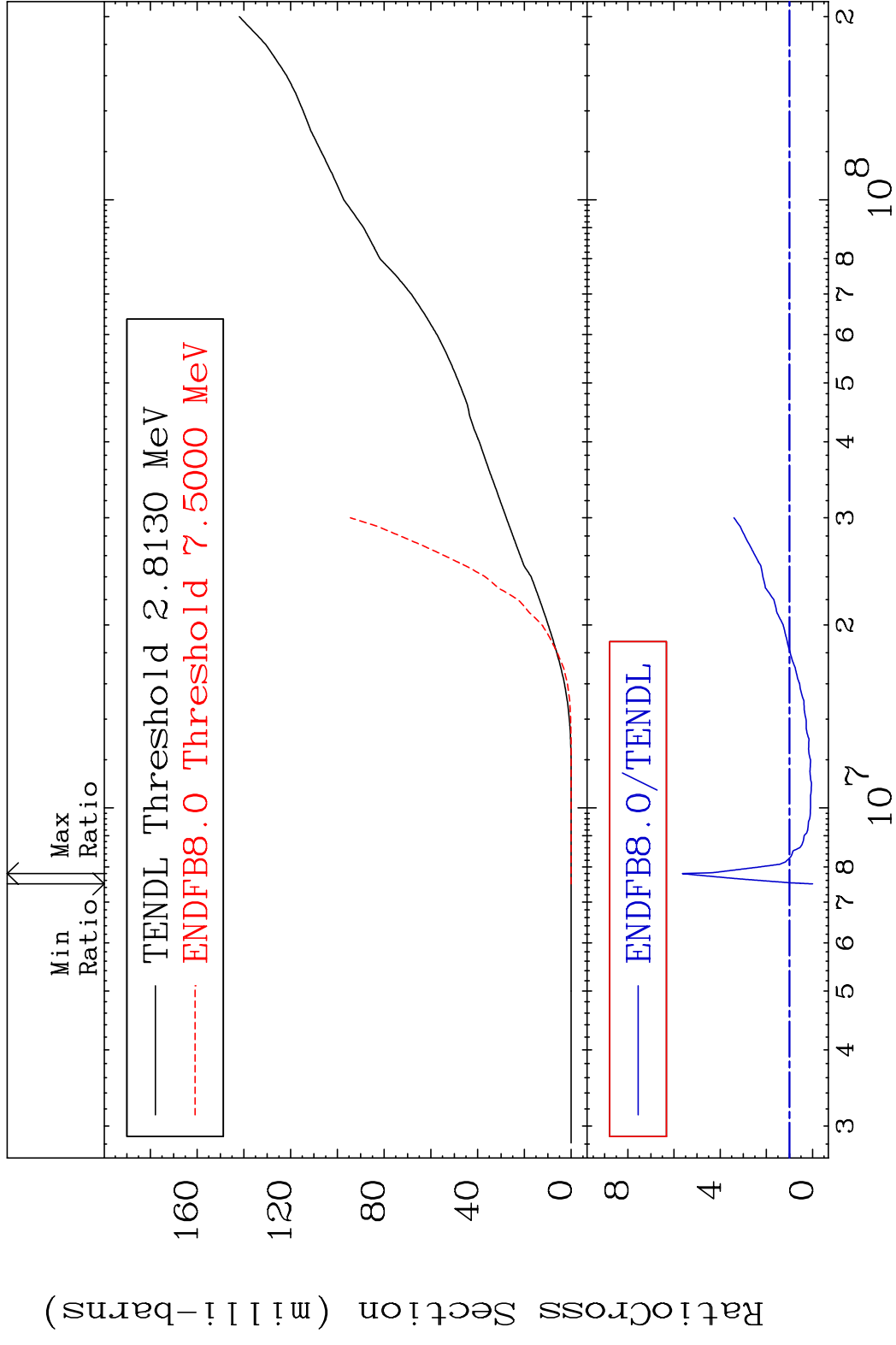
39

Incident Energy (eV)

69-Tm-169

MAT 6925

Deuterium Production 69-Tm-169
Cross Section -100.0 To 463.7 %



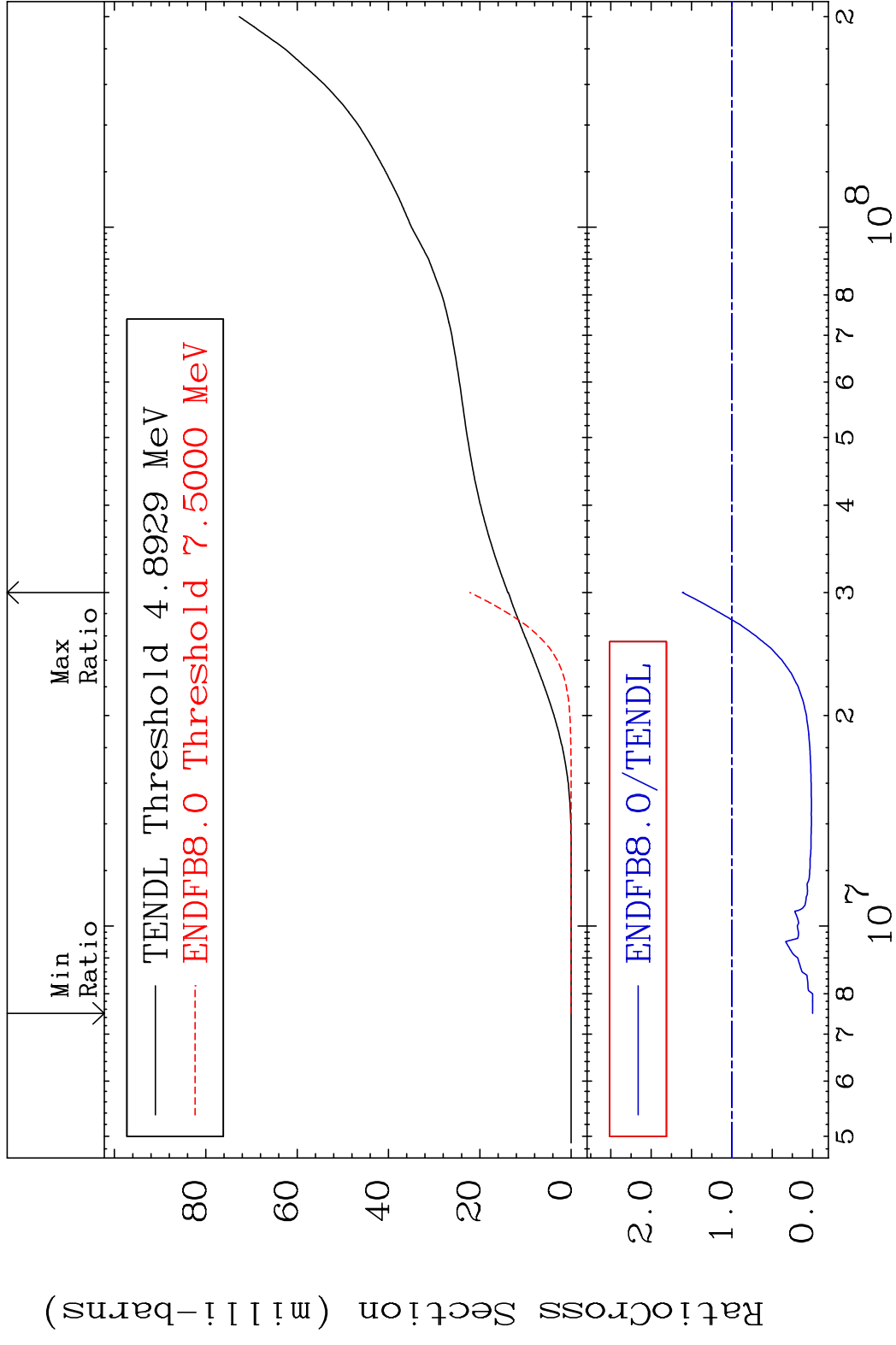
40

Incident Energy (eV)

69-Tm-169

MAT 6925

Tritium Production 69-Tm-169
Cross Section -100.0 To 61.41 %



41

Incident Energy (eV)

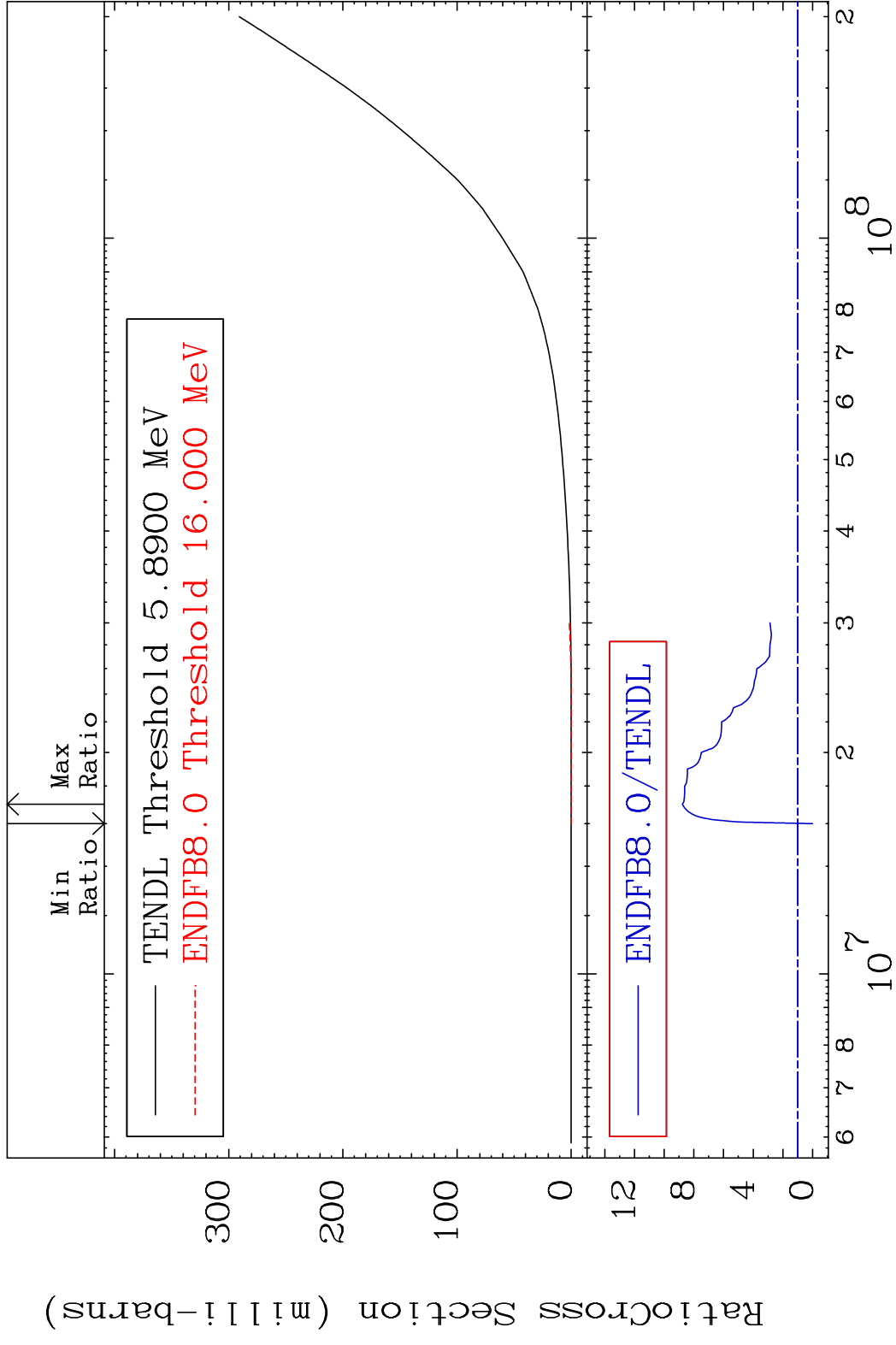
69-Tm-169

MAT 6925

He-3 Production

69-Tm-169

Cross Section -100.0 To 777.6 %



42

Incident Energy (eV)

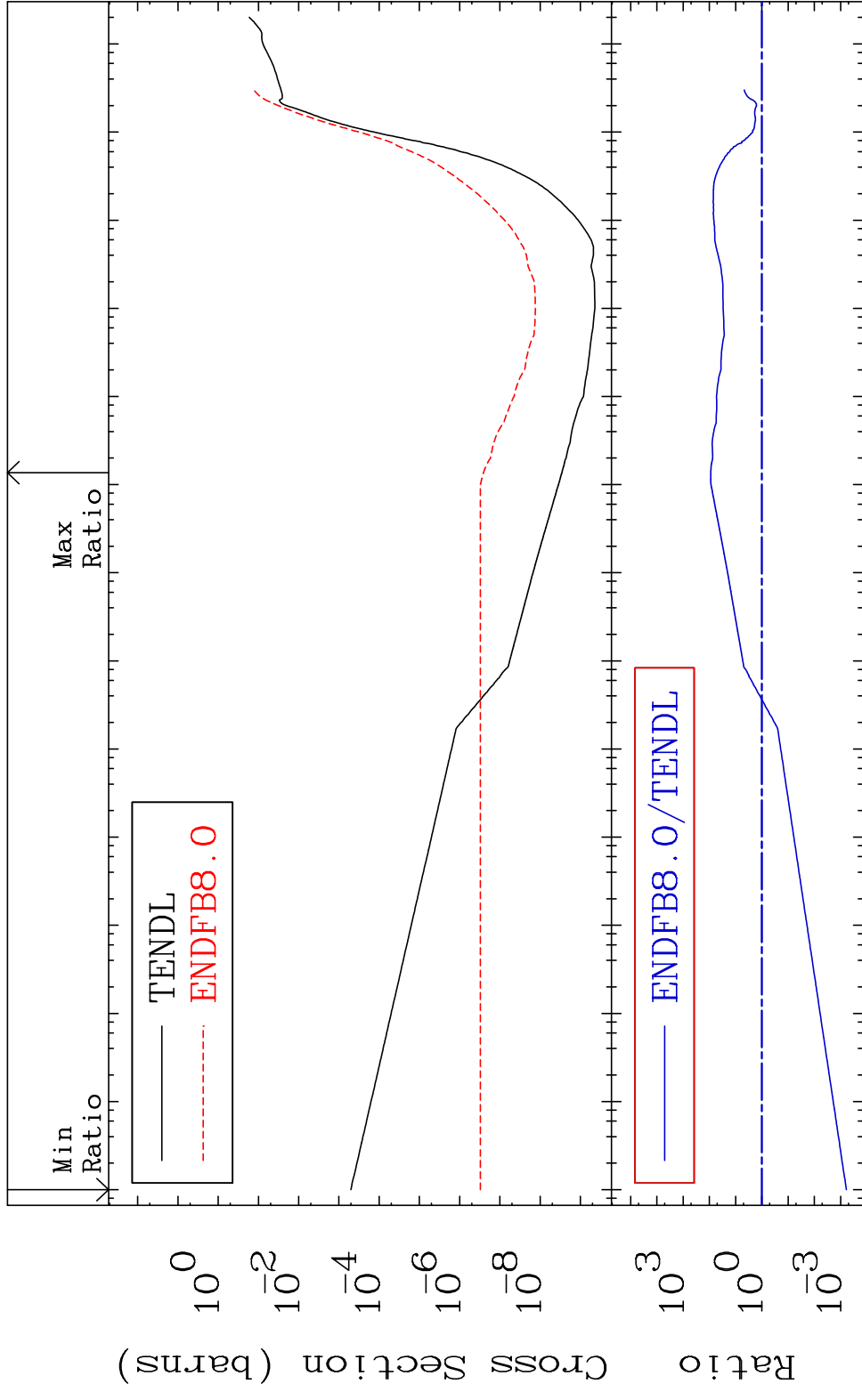
69-Tm-169

MAT 6925

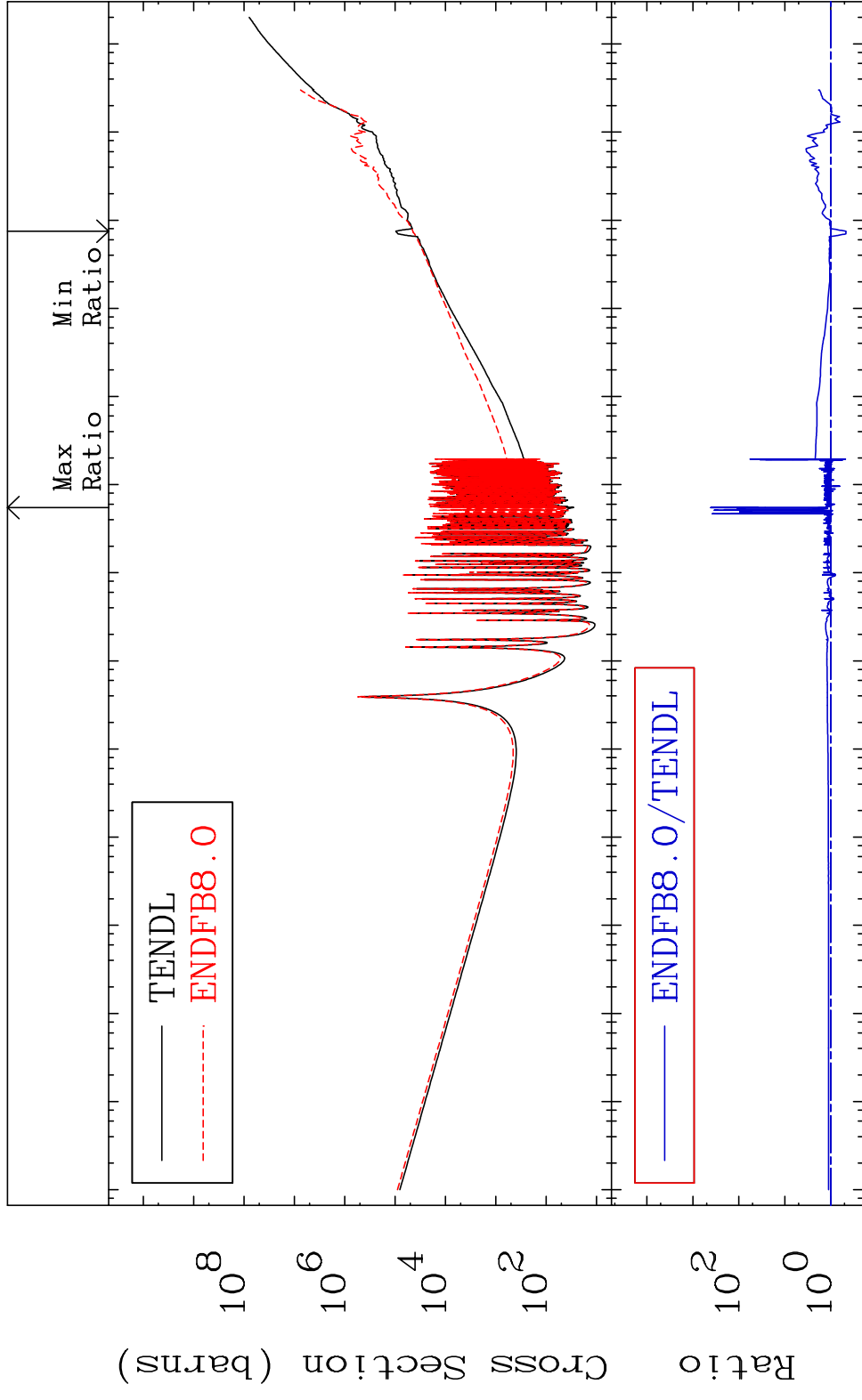
He-4 Production

69-Tm-169

Cross Section -99.94 To 8773. %

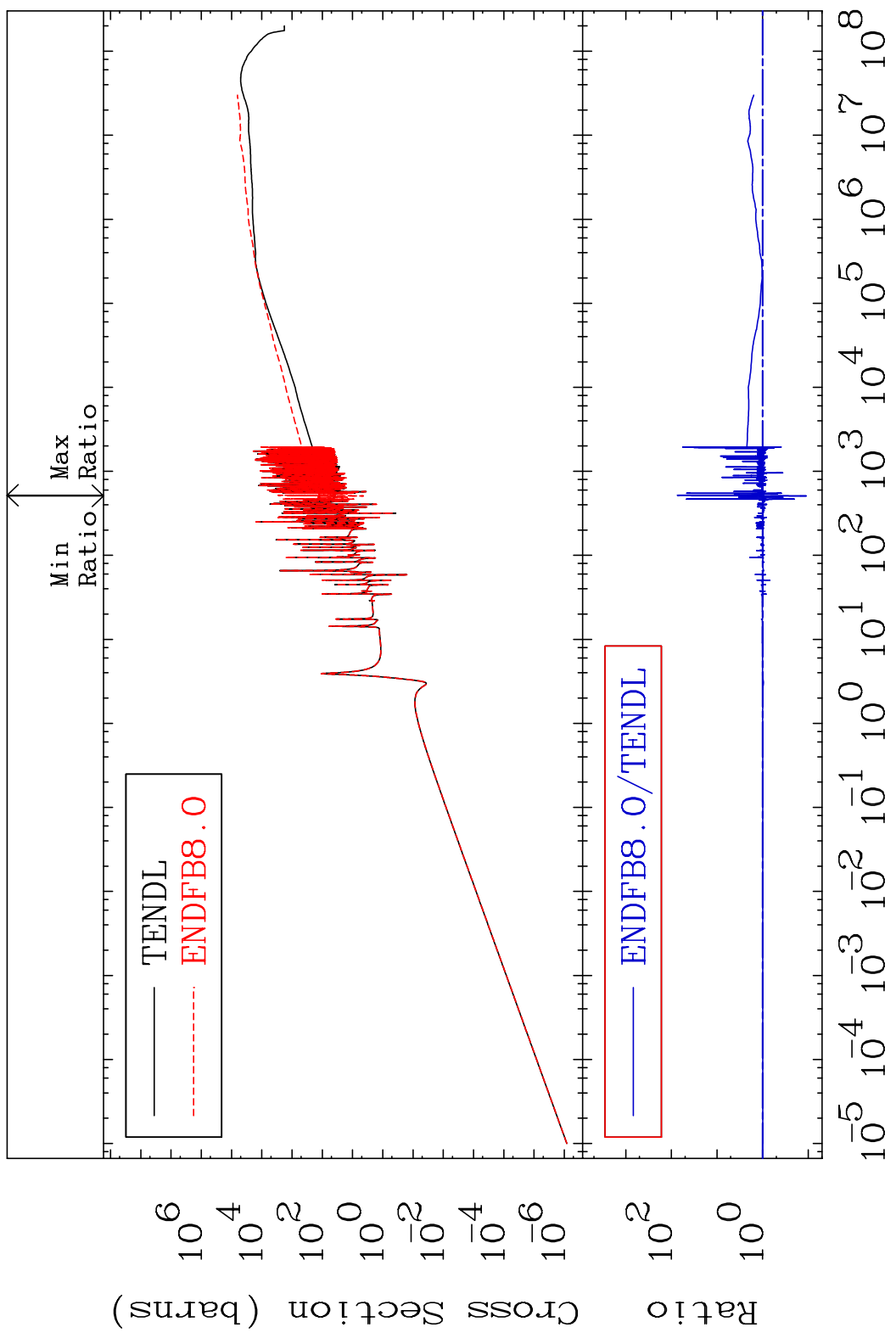


MAT 6925 Kerma total (eV-barns) 69-Tm-169
 Cross Section -54.16 To 9999. %



MAT 6925

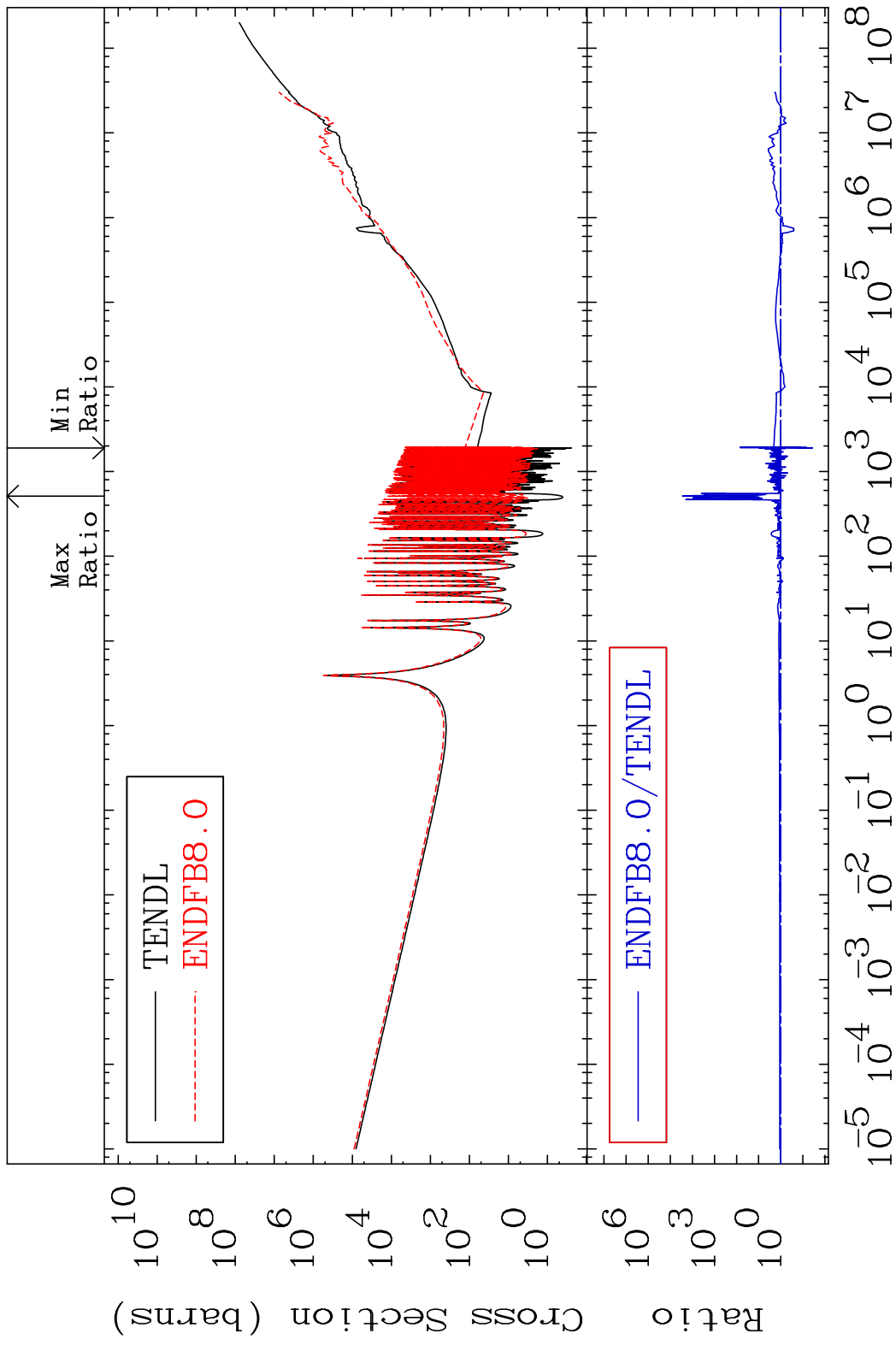
Kerma elastic Cross Section -89.06 To 7355. %
69-Tm-169



45

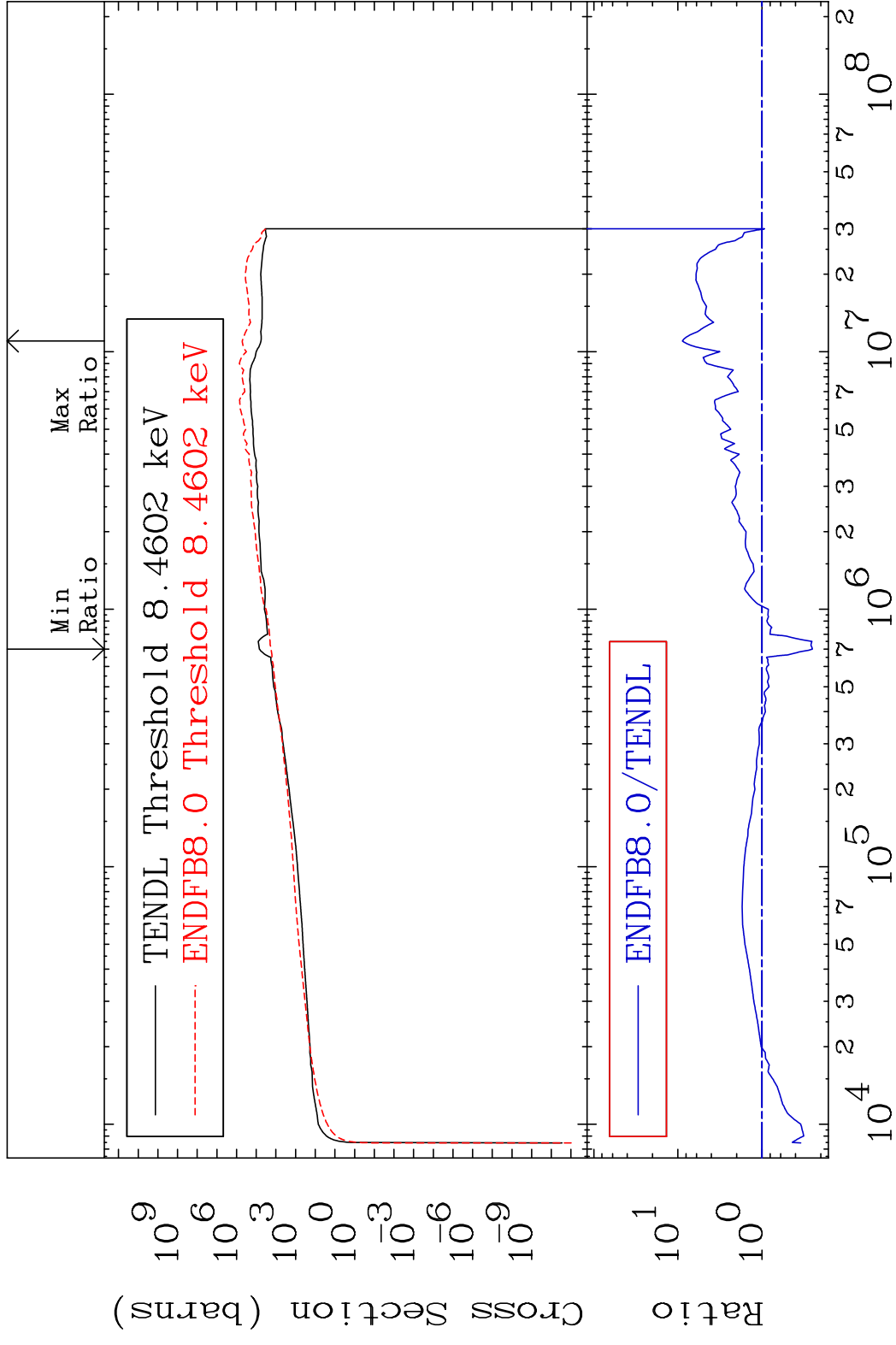
Incident Energy (eV) 69-Tm-169

MAT 6925 Kerma non-elastic (all but mt2) 69-Tm-169
 Cross Section -96.36 To 9999. %



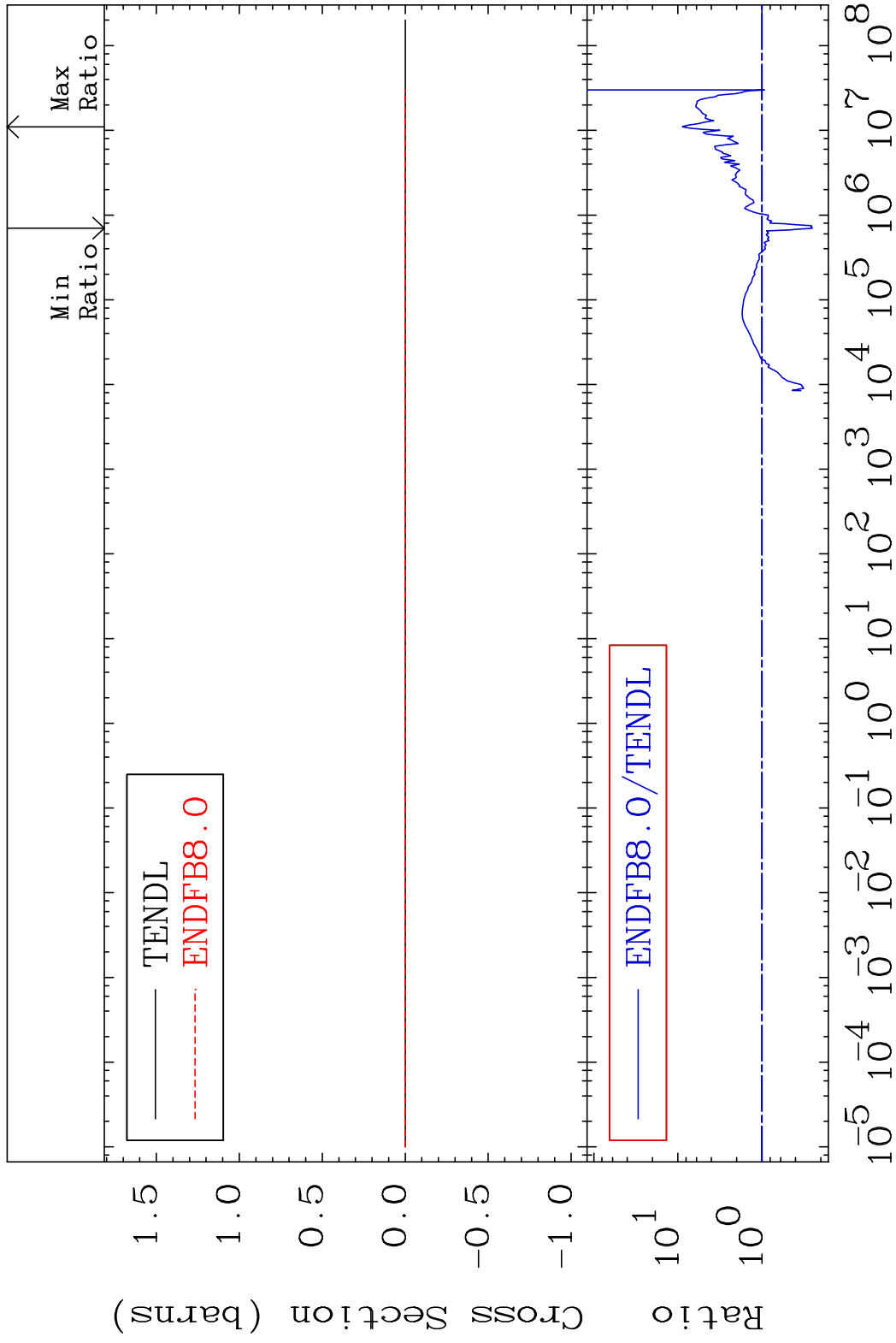
46 Incident Energy (eV) 69-Tm-169

MAT 6925 Kerma inelastic (mt51-91) 69-Tm-169
 Cross Section -74.96 To 785.6 %



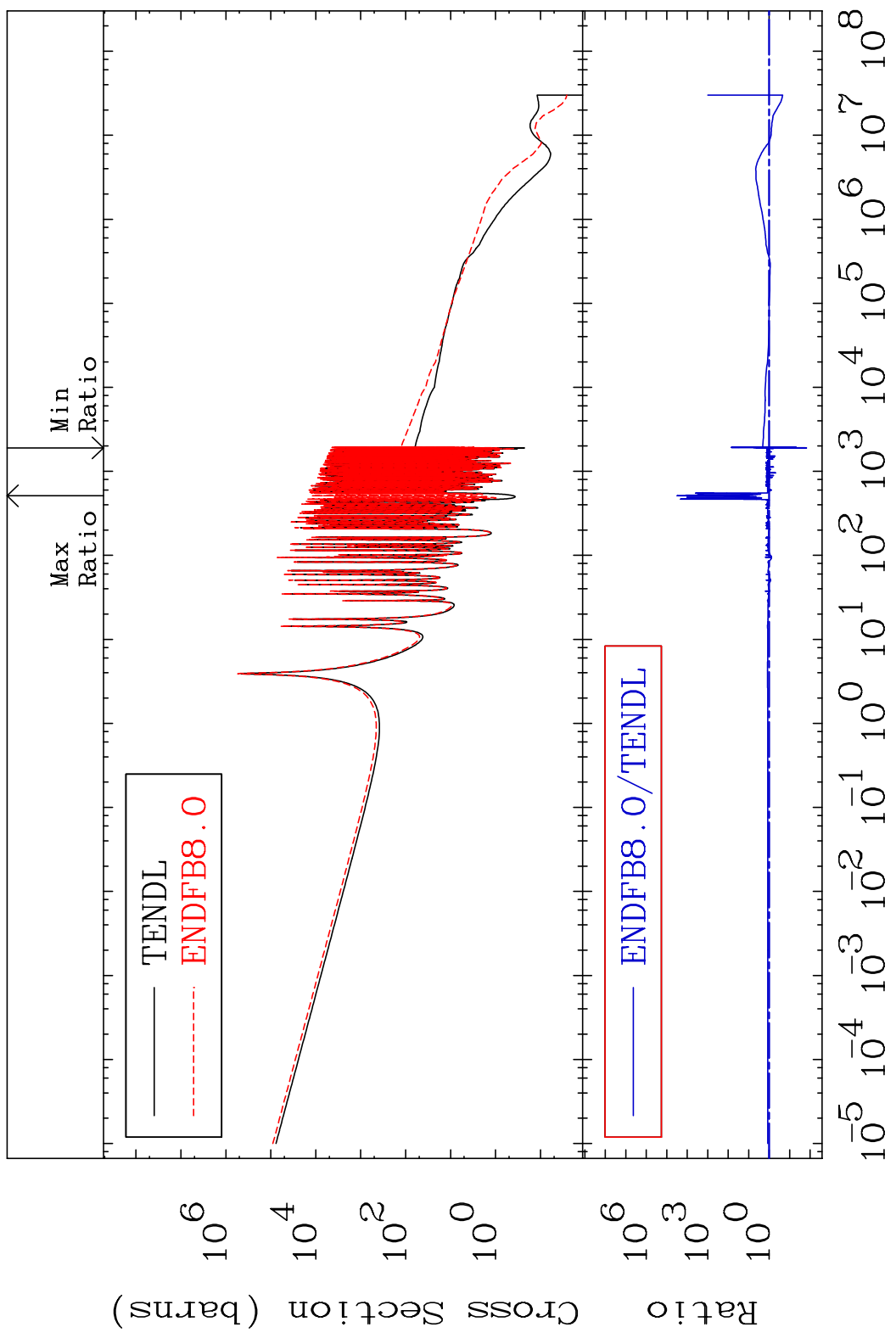
47 Incident Energy (eV) 69-Tm-169

MAT 6925 Kerma fission (mt18 or mt19-20-21-38) 69-Tm-169
 Cross Section -74.96 To 785.6 %



MAT 6925

Kerma capture (mt102) 69-Tm-169
Cross Section -98.48 To 9999. %

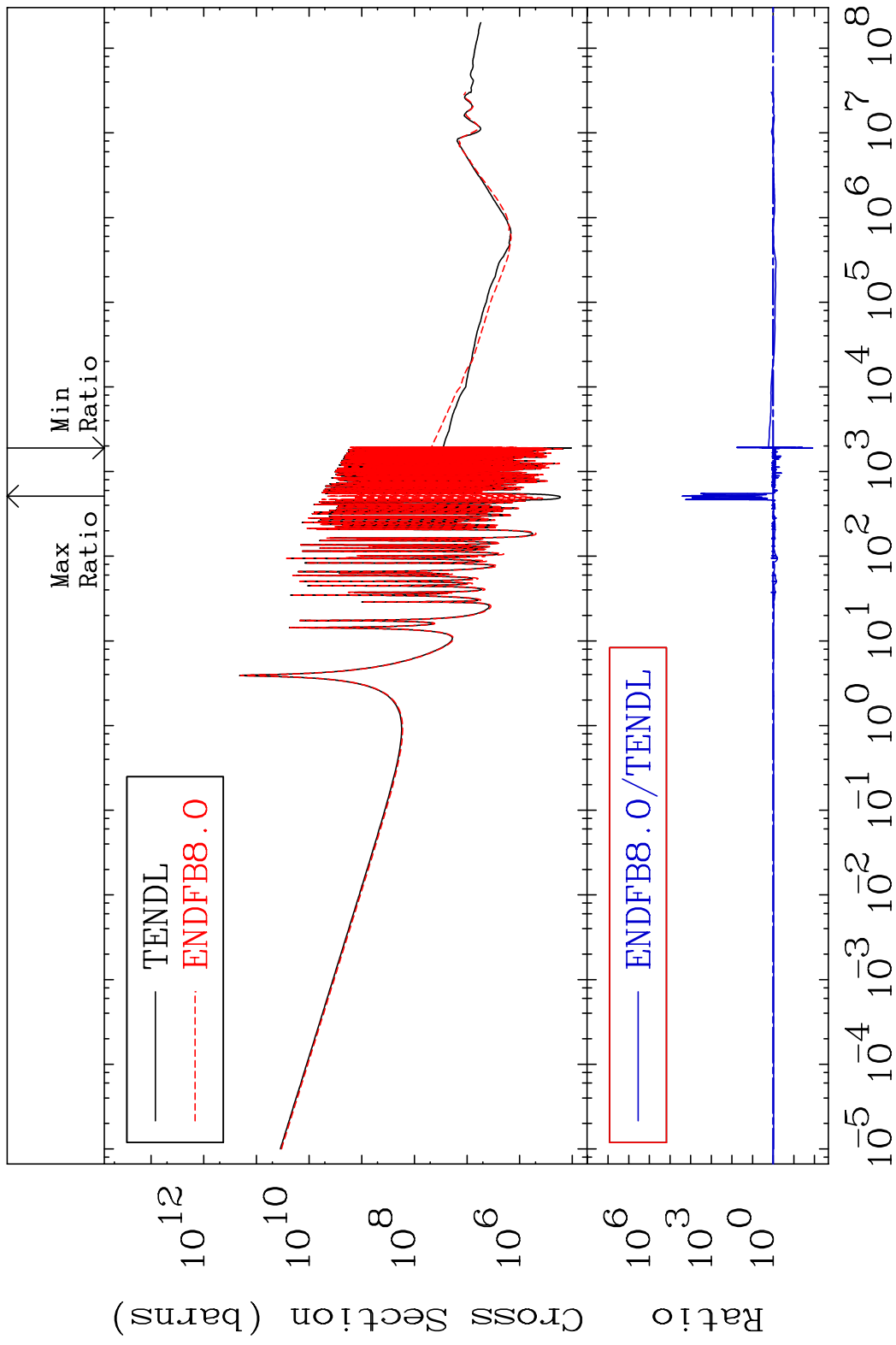


49

Incident Energy (eV)

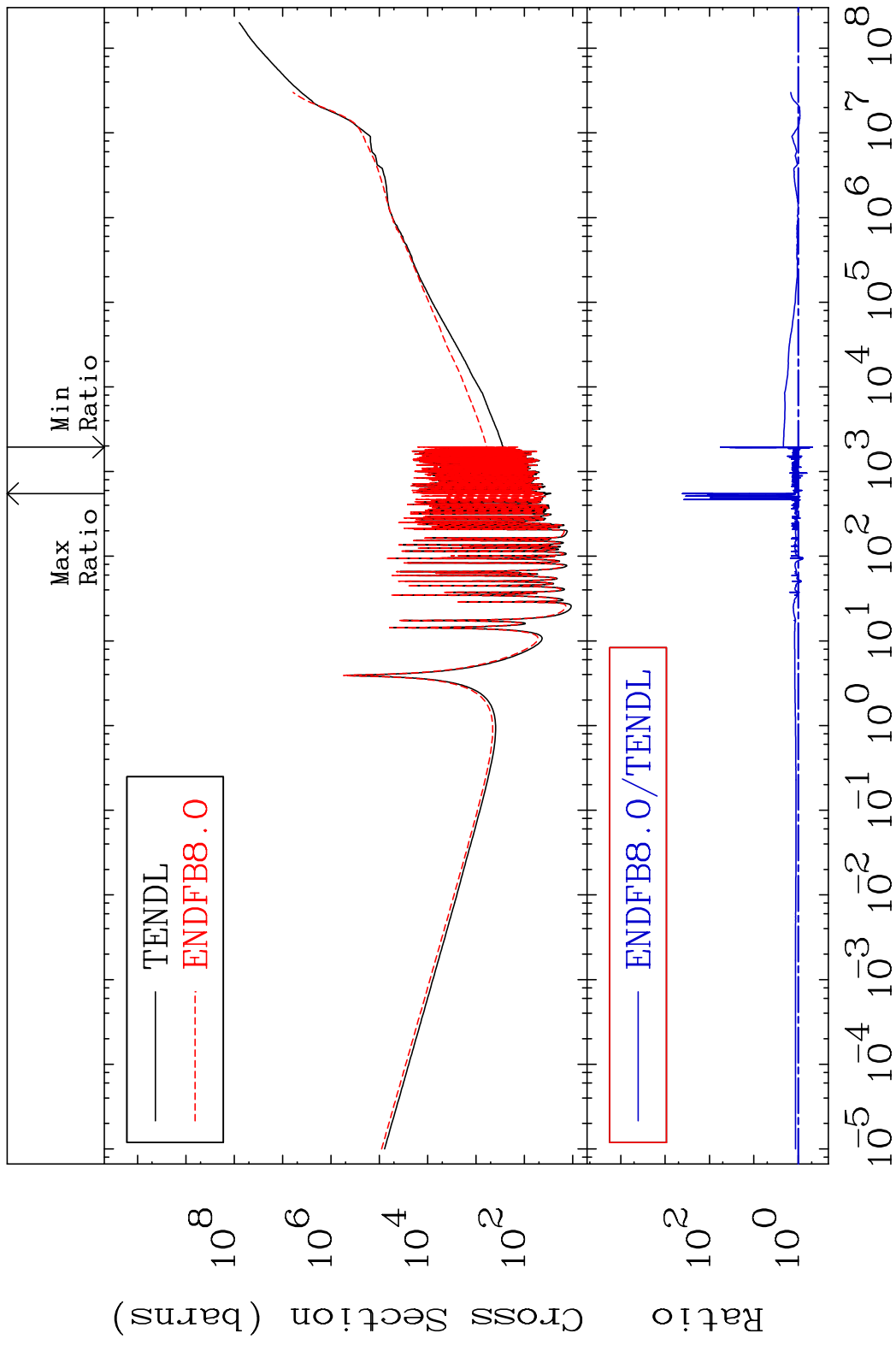
69-Tm-169

MAT 6925 Total photon (eV-barns) 69-Tm-169
 Cross Section -98.76 To 9999. %

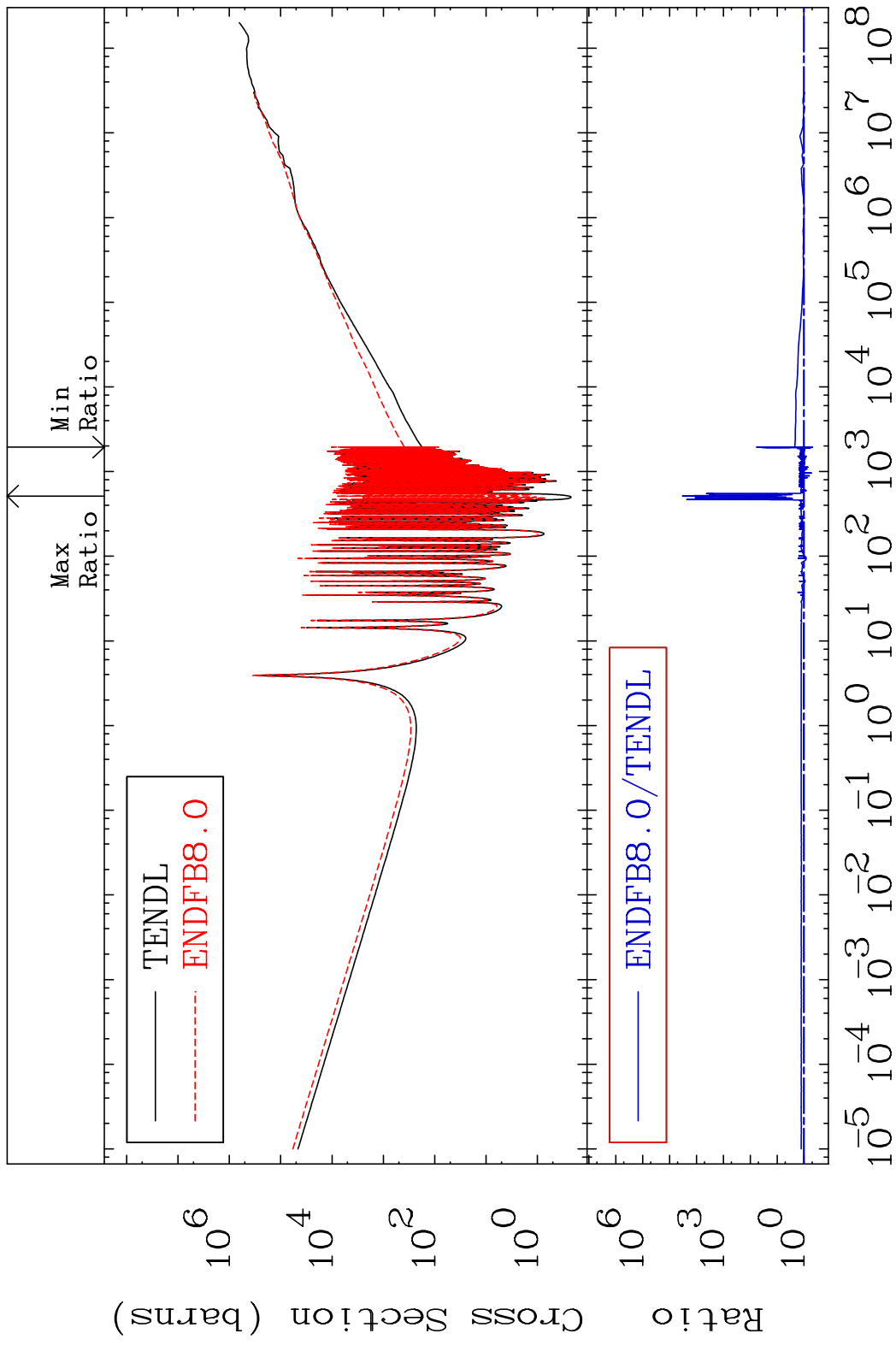


50 Incident Energy (eV) 69-Tm-169

MAT 6925 Total kinematic kerma (high limit) 69-Tm-169
 Cross Section -52.41 To 9999. %



MAT 6925 Dpa total (eV-barns) 69-Tm-169
 Cross Section -51.73 To 9999. %

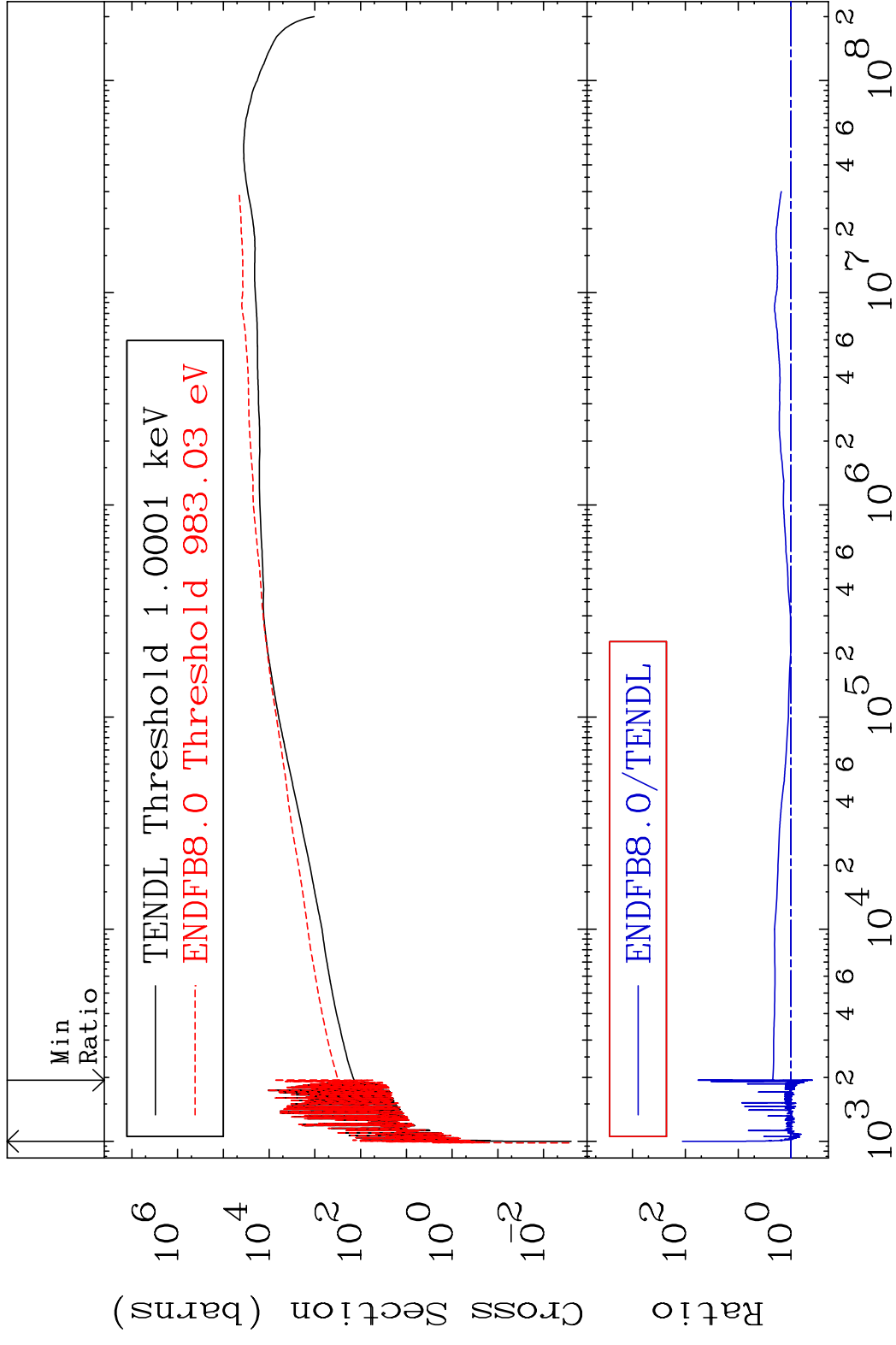


MAT 6925

Dpa elastic (mt2)

69-Tm-169

Cross Section -60.85 To 9999. %

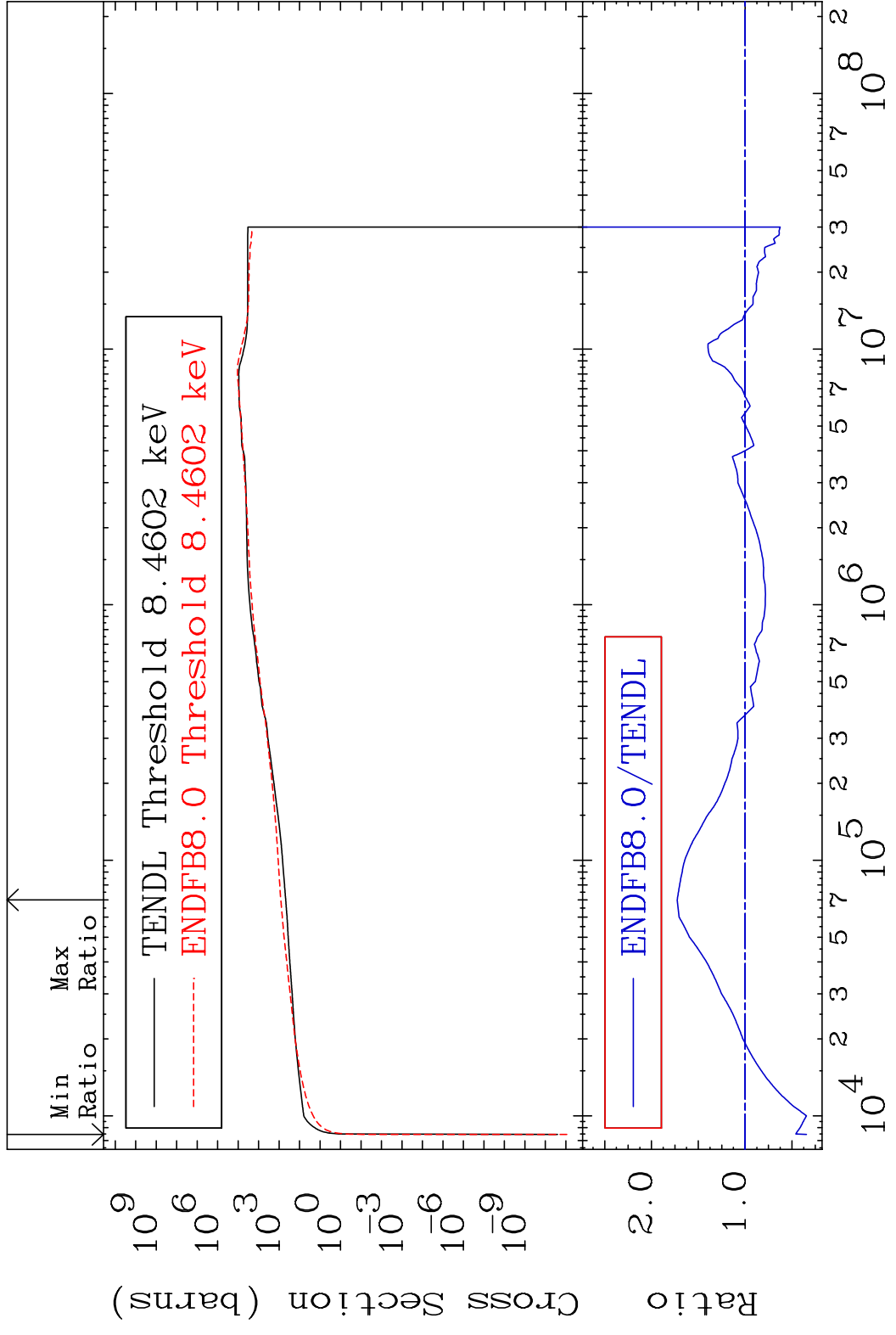


53

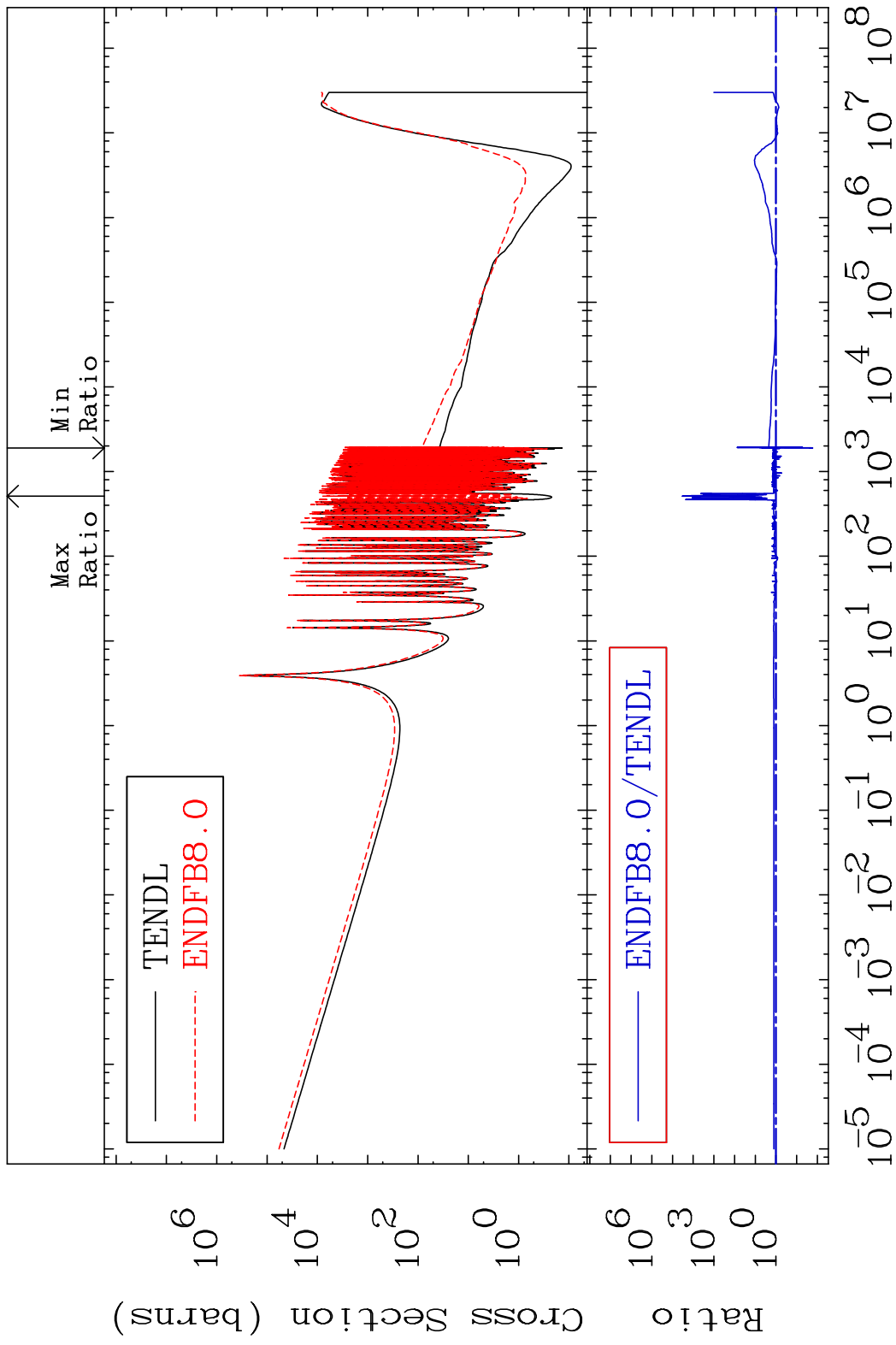
Incident Energy (eV)

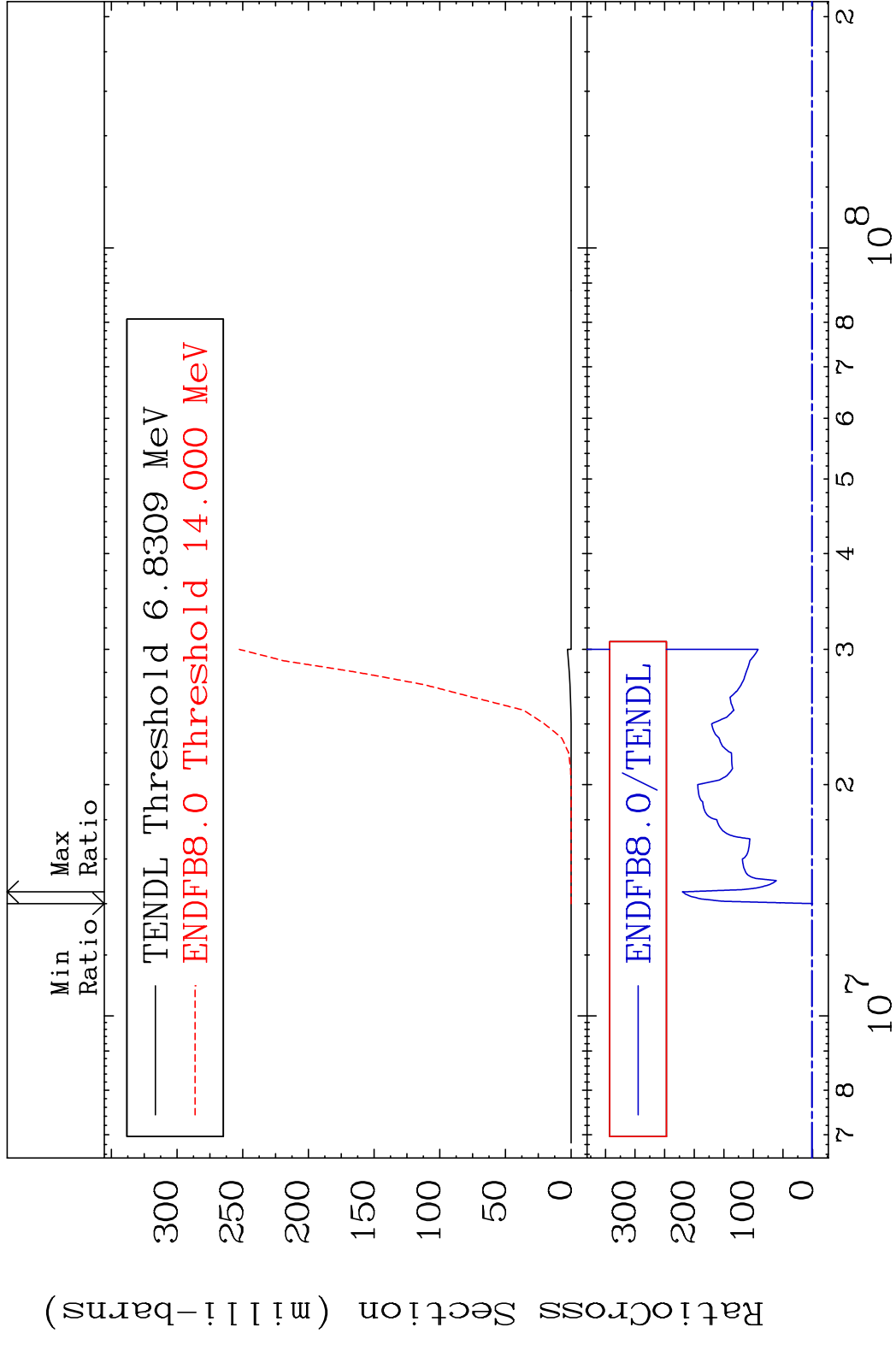
69-Tm-169

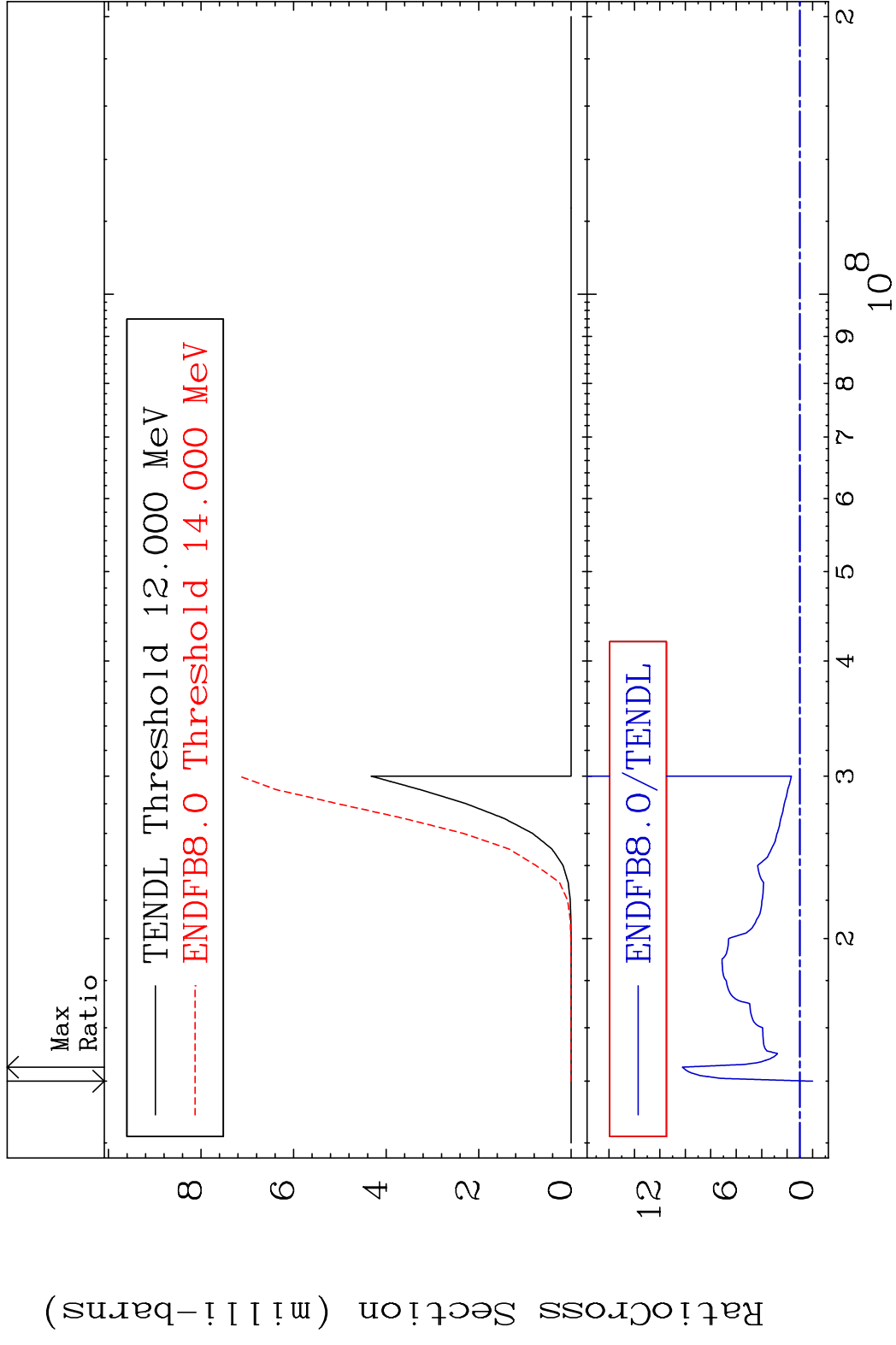
MAT 6925 Dpa inelastic (mt51-91) 69-Tm-169
 Cross Section -65.45 To 72.57 %

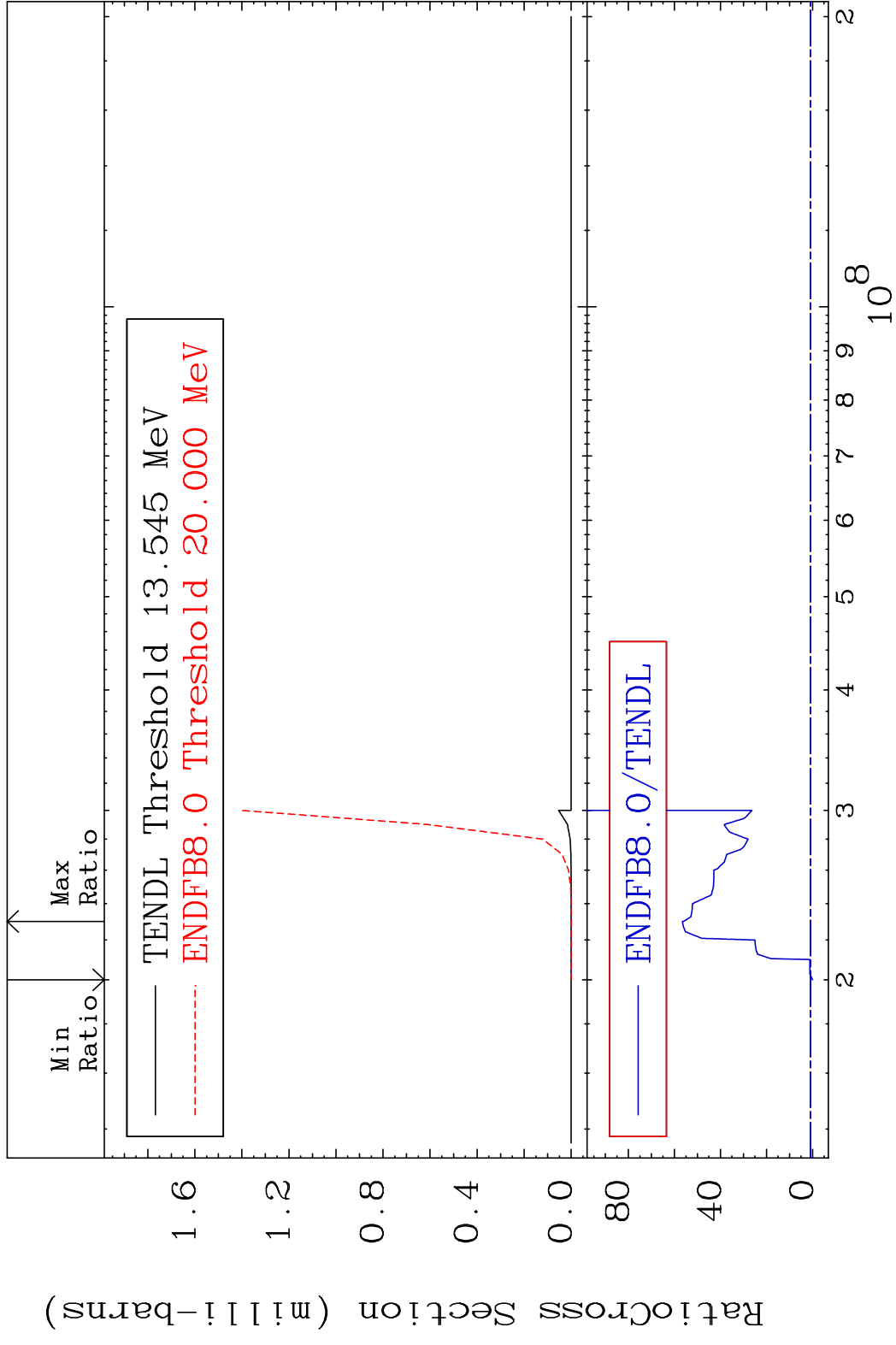


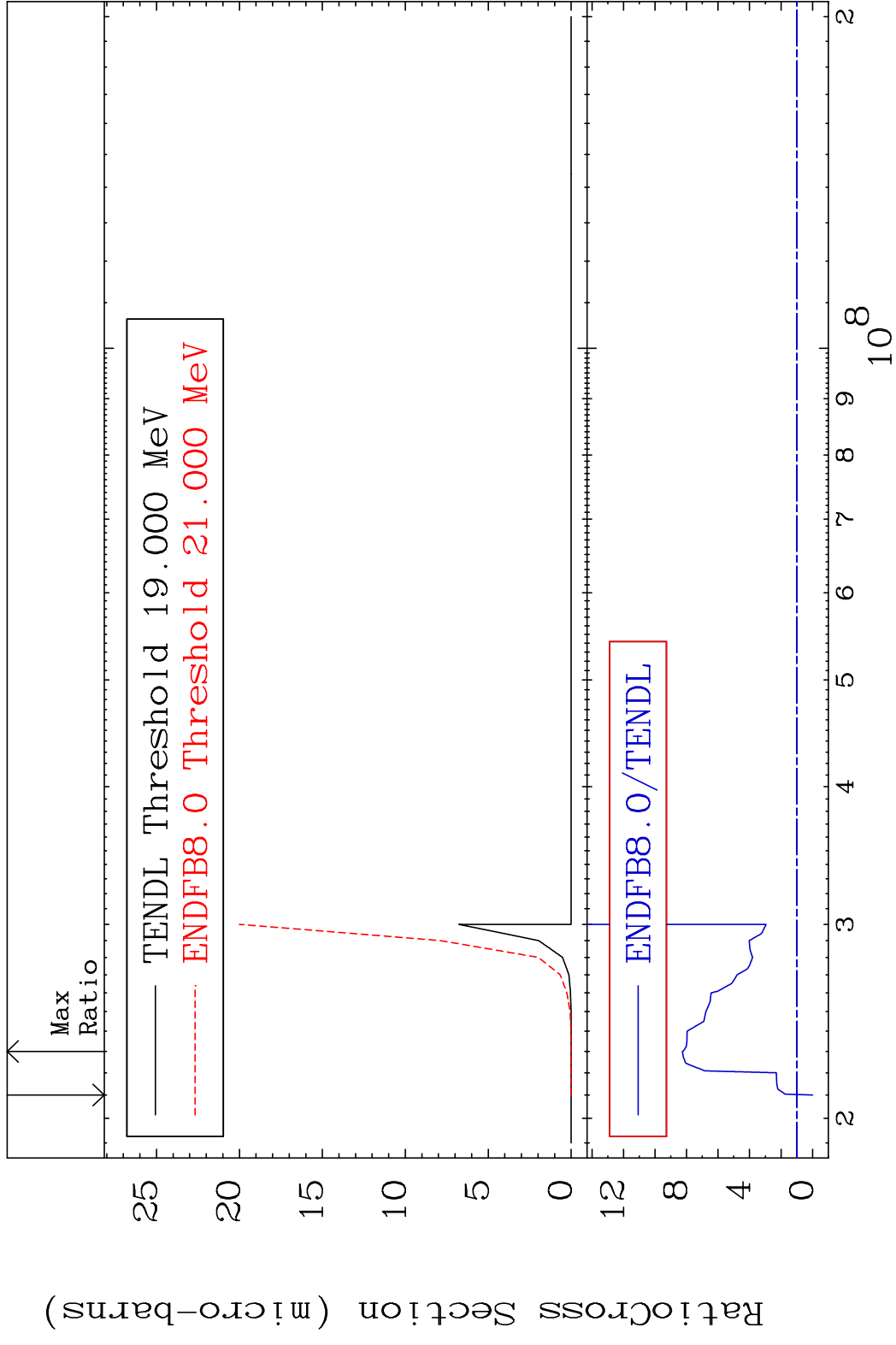
MAT 6925 Dpa disappearance (mt102 -120) 69-Tm-169
 Cross Section -98.30 To 9999. %

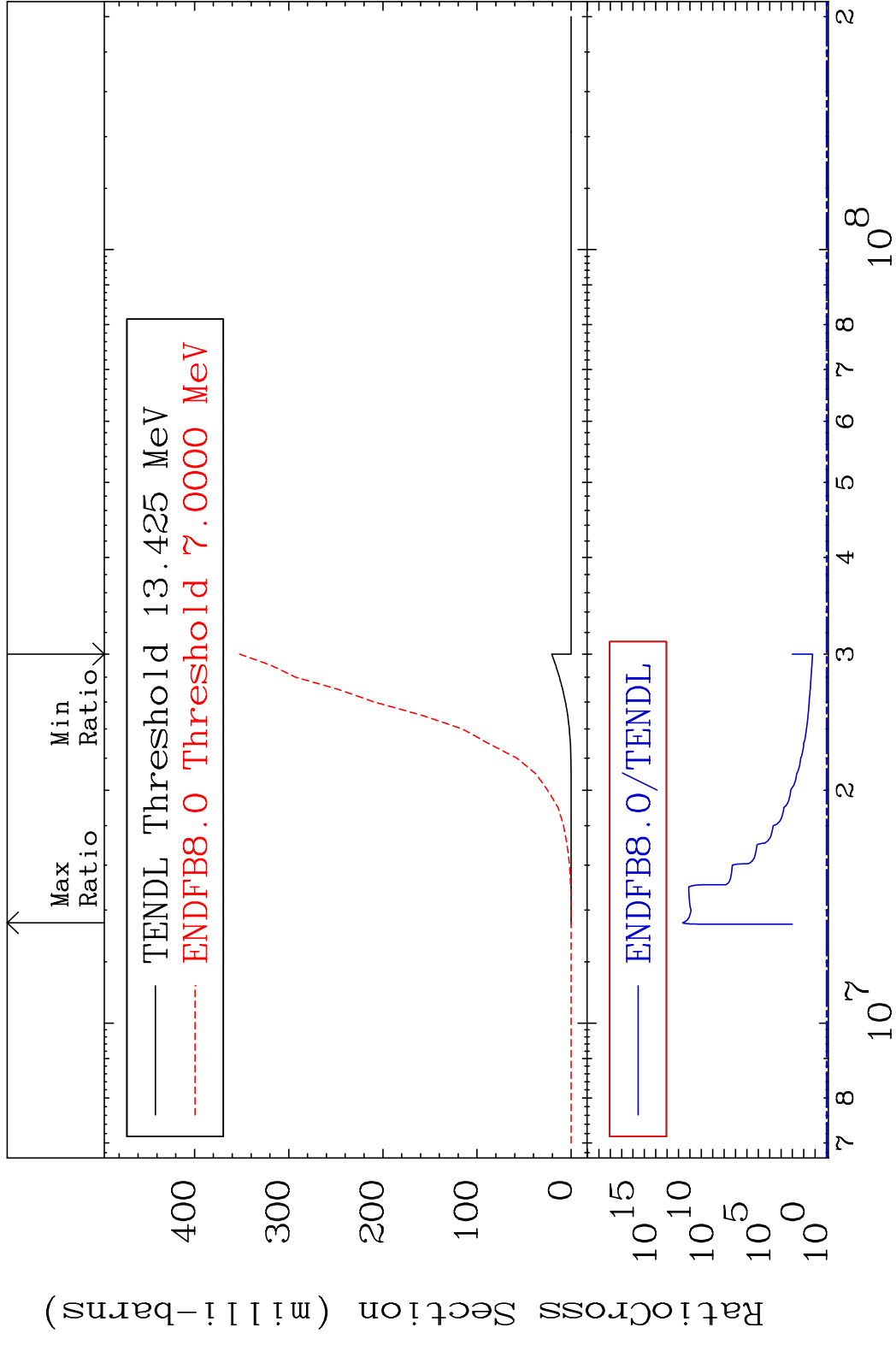


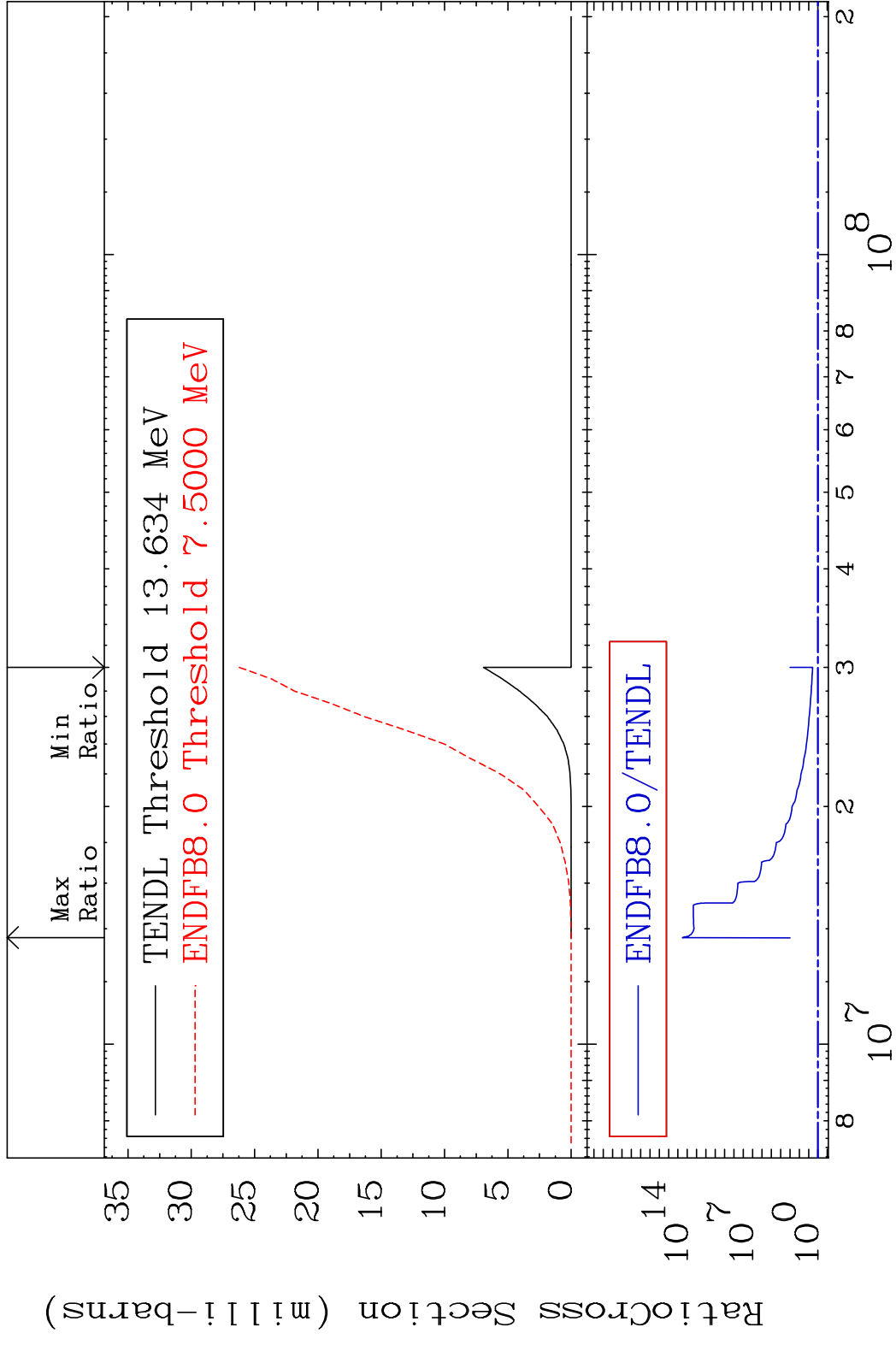


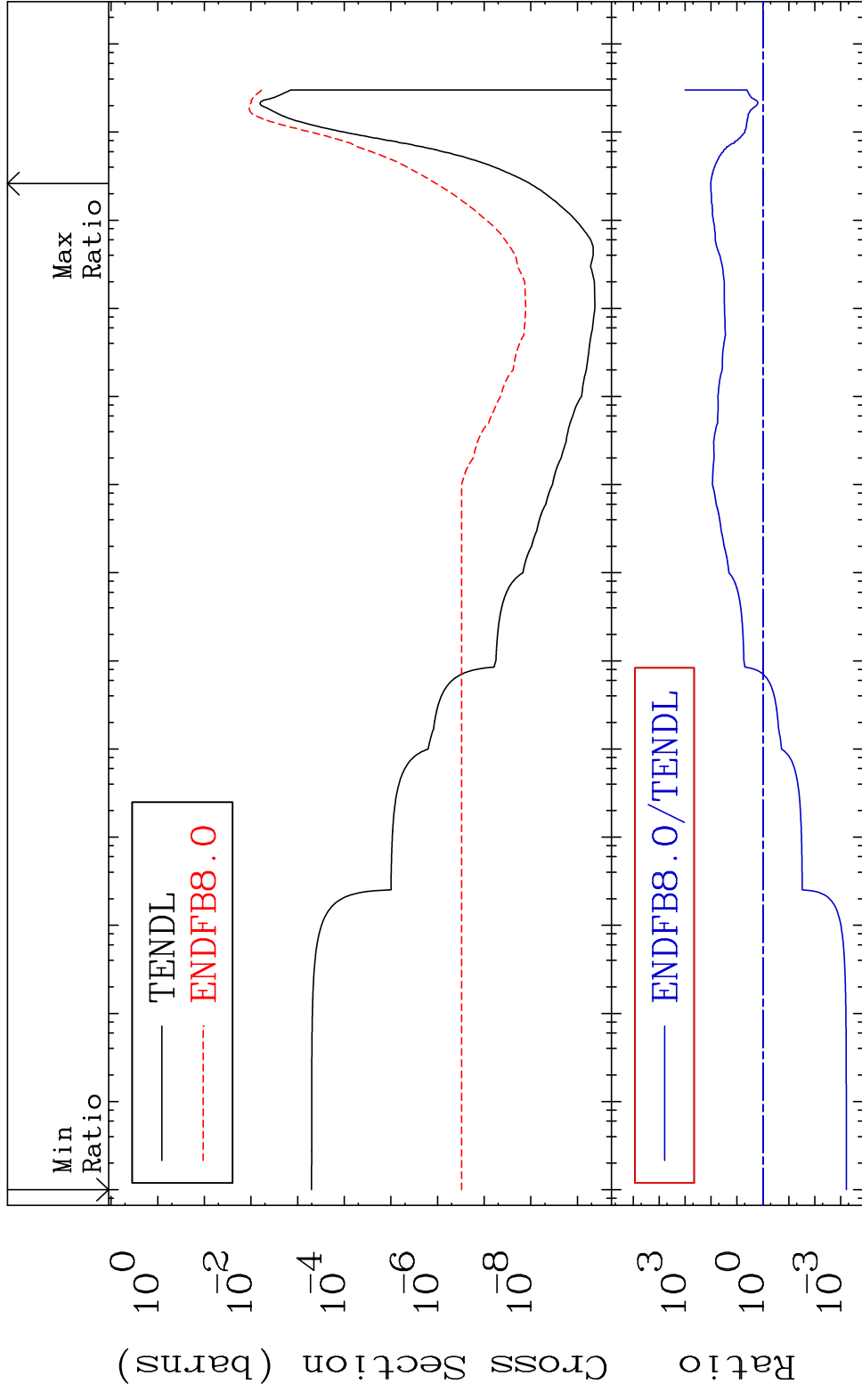












MAT 6925 (n, α): 67-Ho-166m1 69-Tm-169
 Radionuclide Production Cross Section Ratio 9999. %

