

Program Complot
(Version 2021-1)

by

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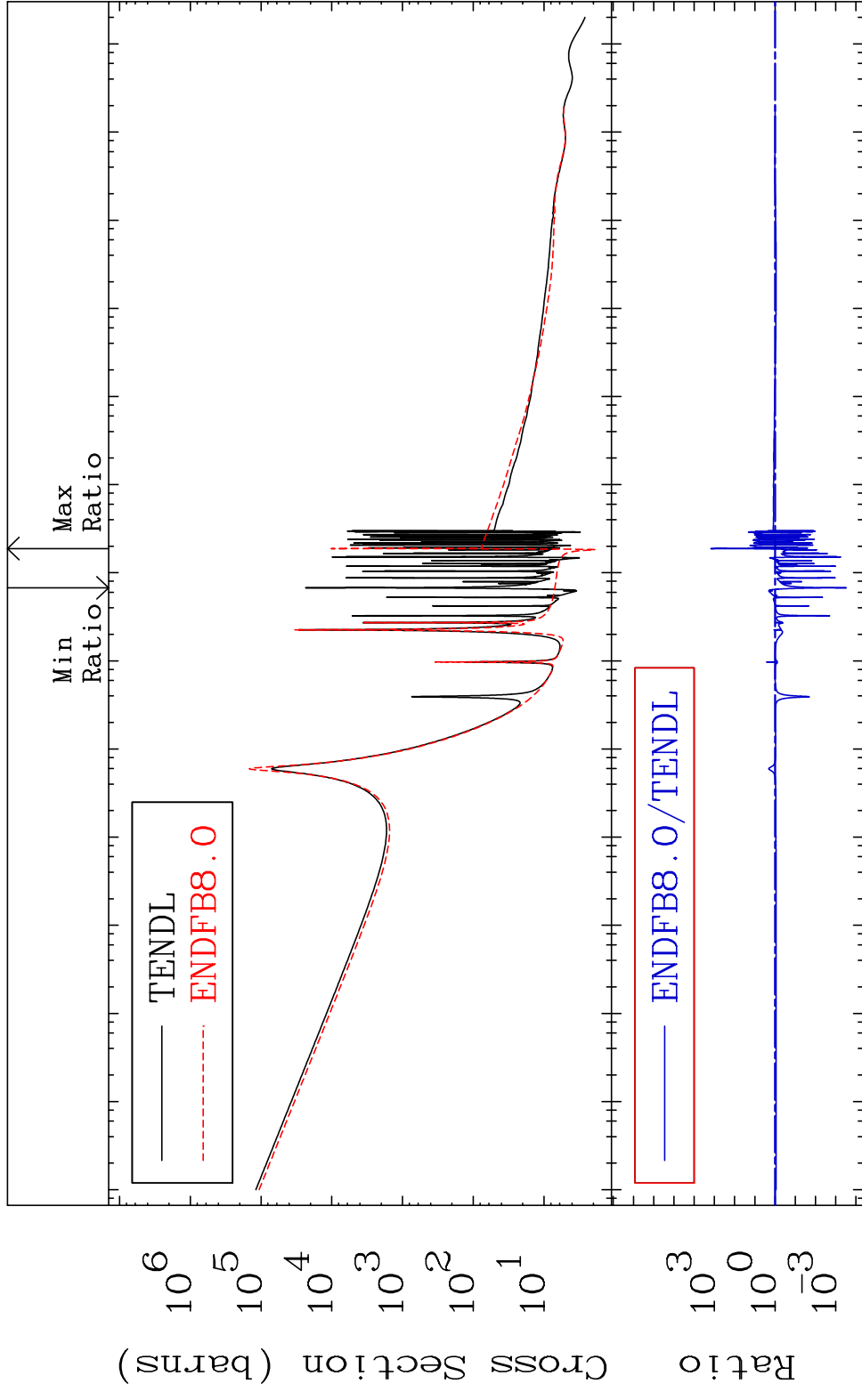
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7025

Total Cross Section -99.97 To 9999. %

70-Yb-168



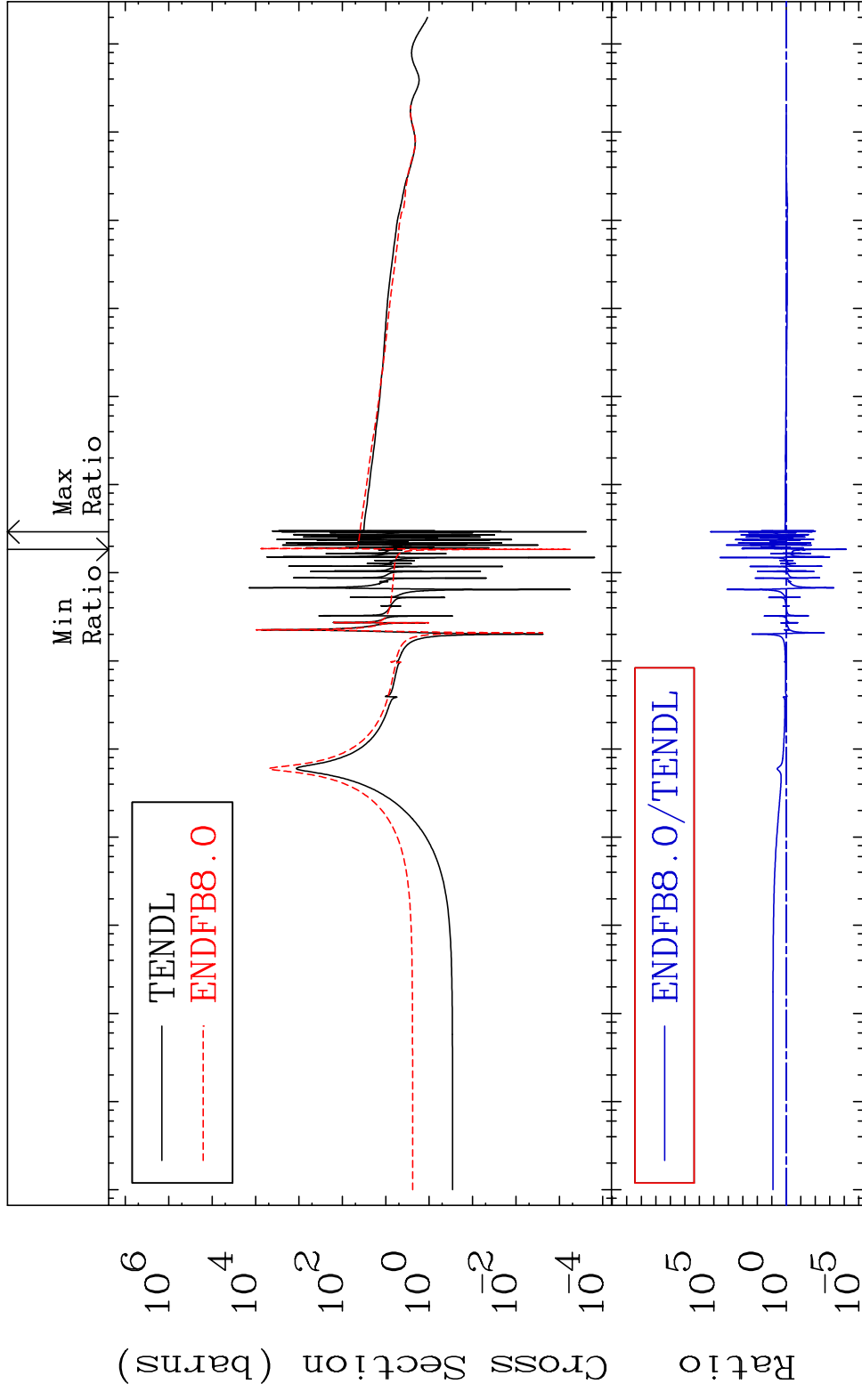
1 Incident Energy (eV) 70-Yb-168

MAT 7025

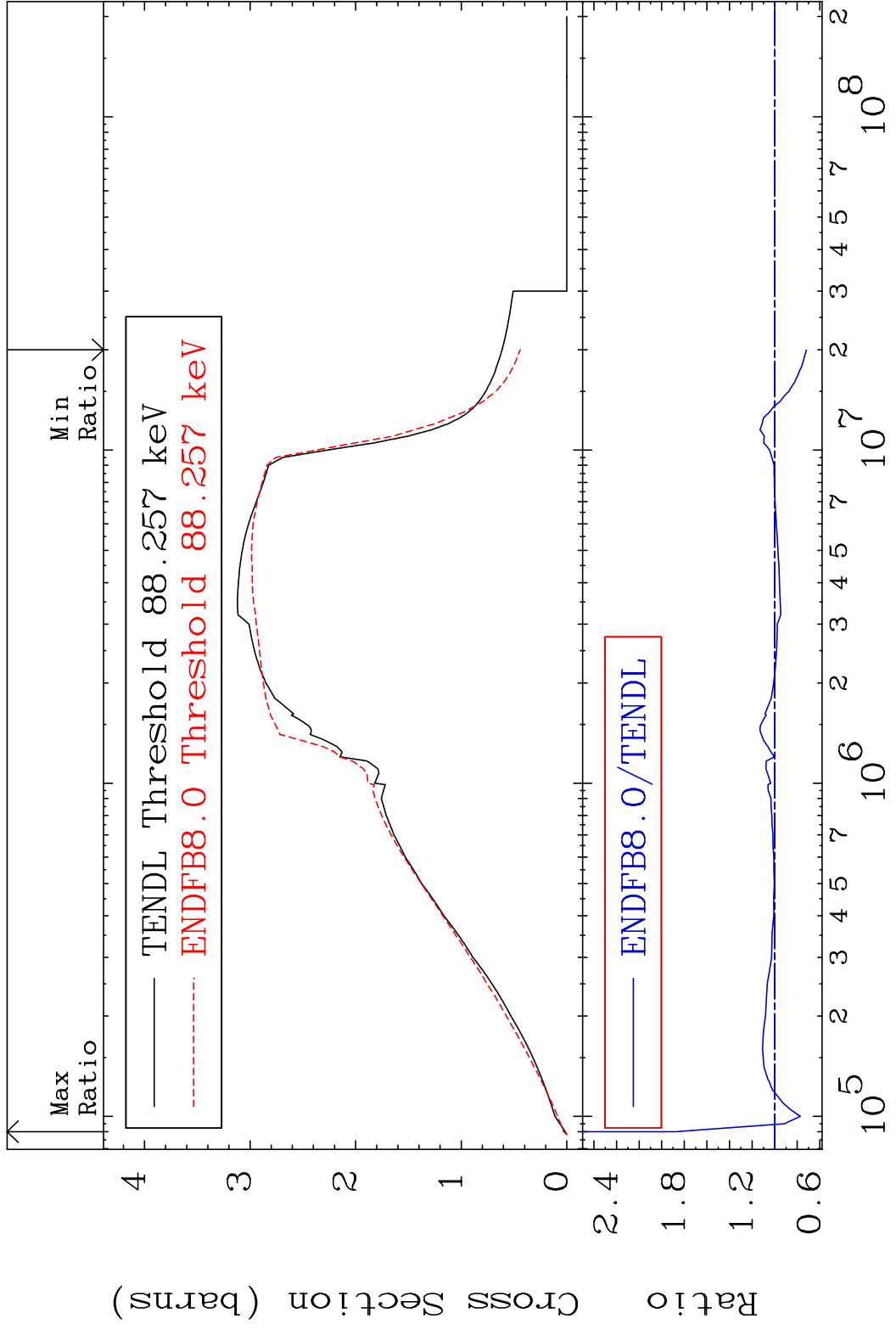
70-Yb-168

Elastic

Cross Section -99.99 To 9999. %



MAT 7025 Inelastic Cross Section -28.07 To 86.30 % 70-Yb-168



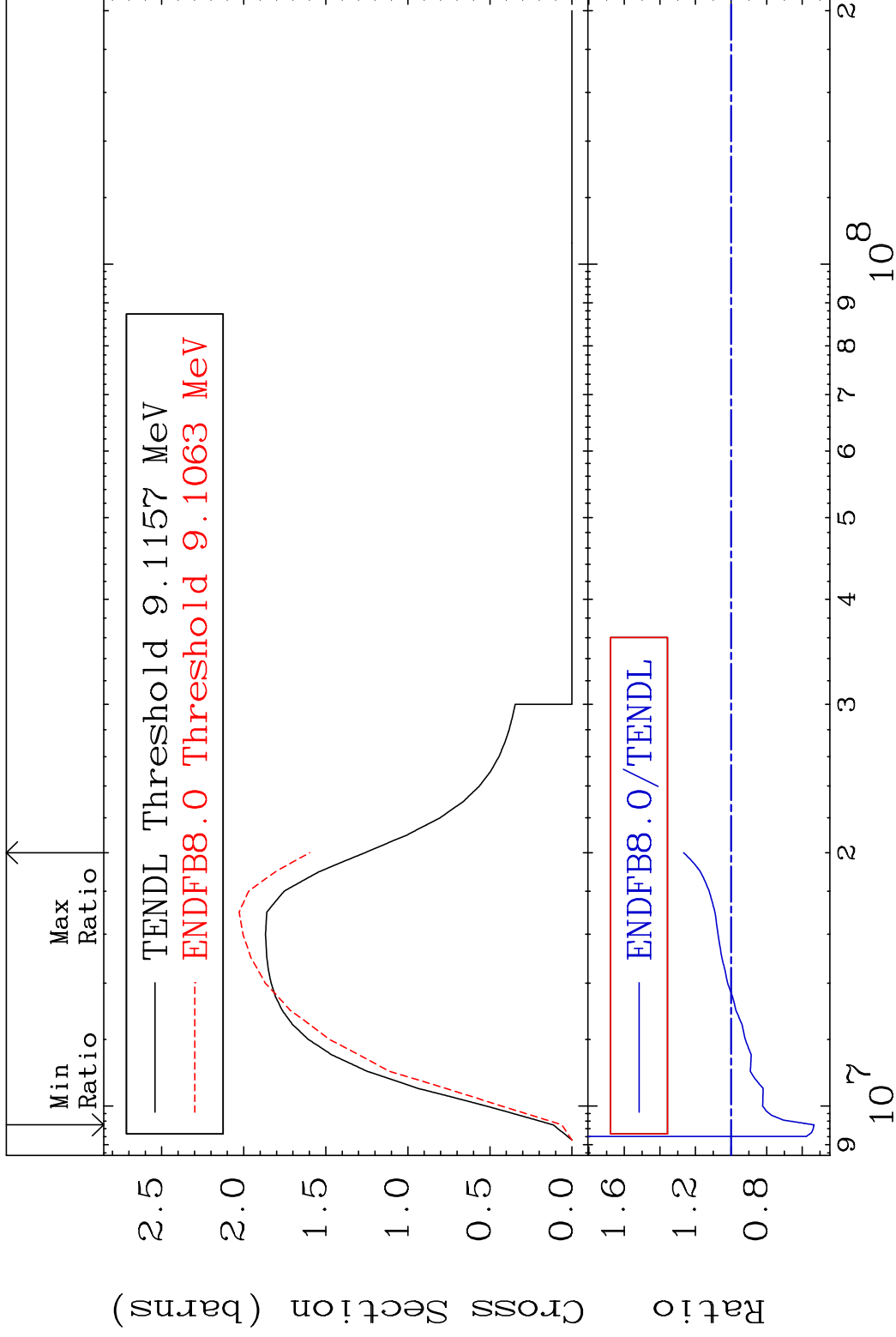
3 Incident Energy (eV) 70-Yb-168

MAT 7025

(n,2n)

70-Yb-168

Cross Section -46.64 To 26.77 %



4

Incident Energy (eV)

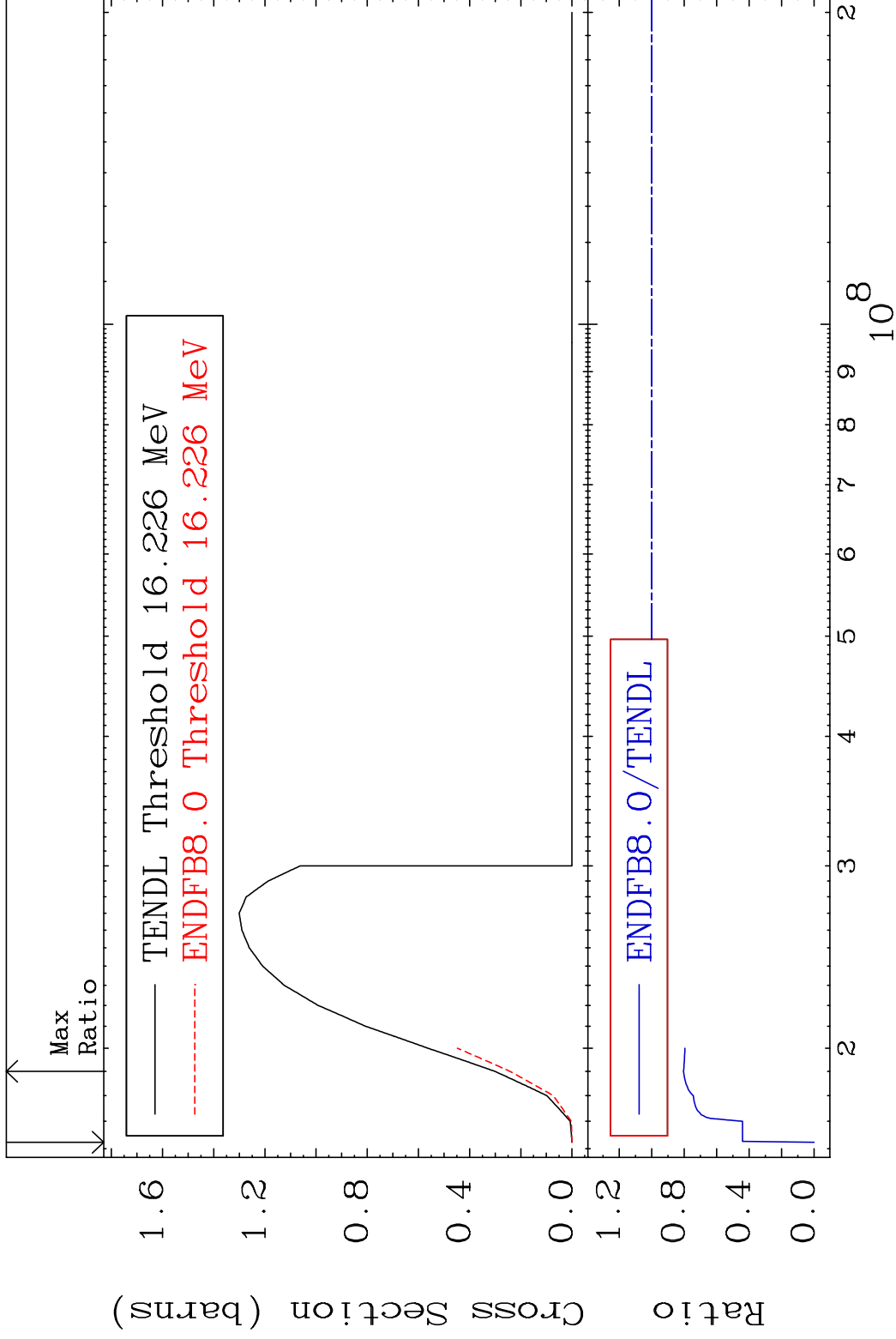
70-Yb-168

MAT 7025

(n,3n)

70-Yb-168

Cross Section -100.0 To -19.55%



5

Incident Energy (eV)

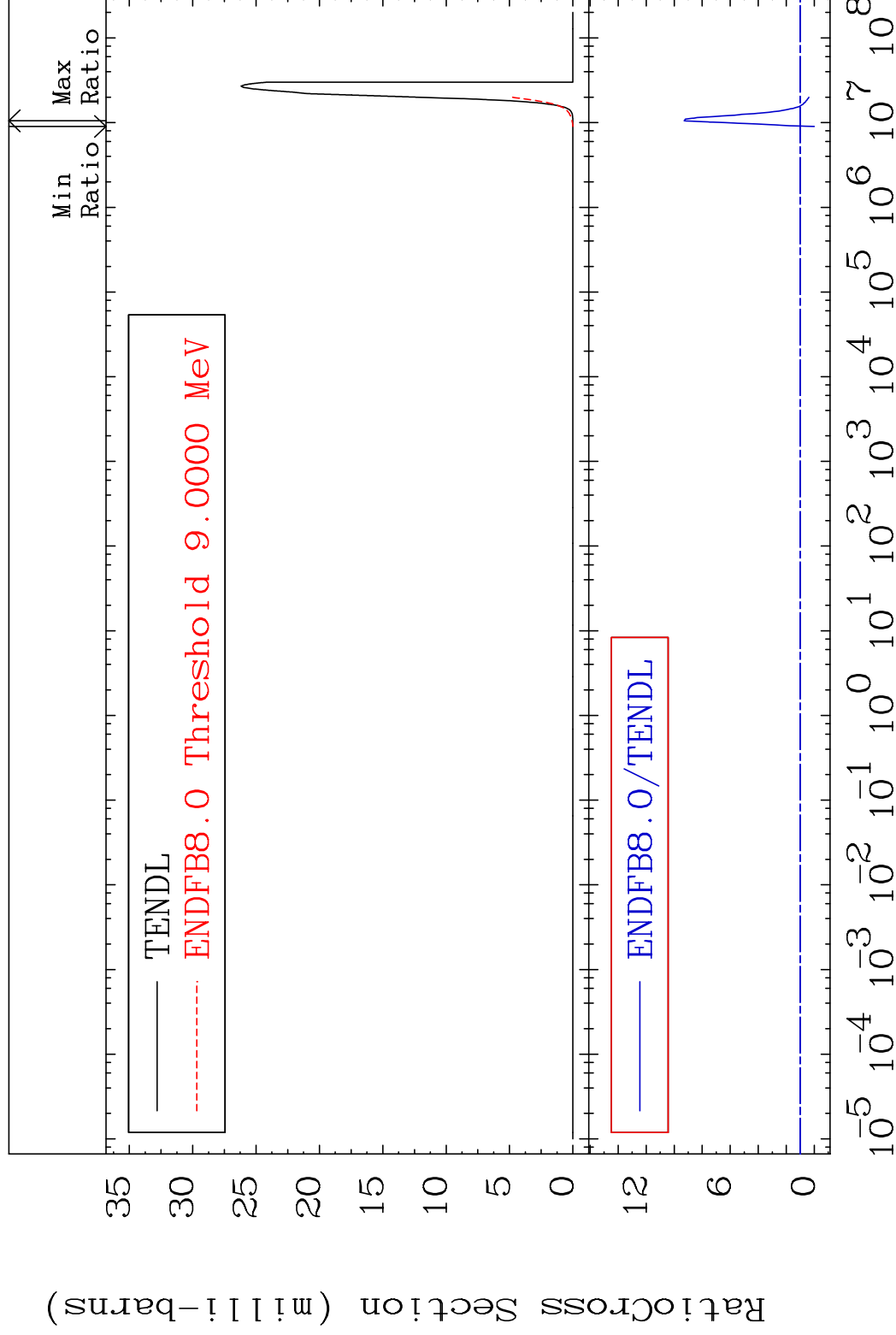
70-Yb-168

MAT 7025

(n, n') α

70-Yb-168

Cross Section -100.0 To 829.5 %



6

Incident Energy (eV)

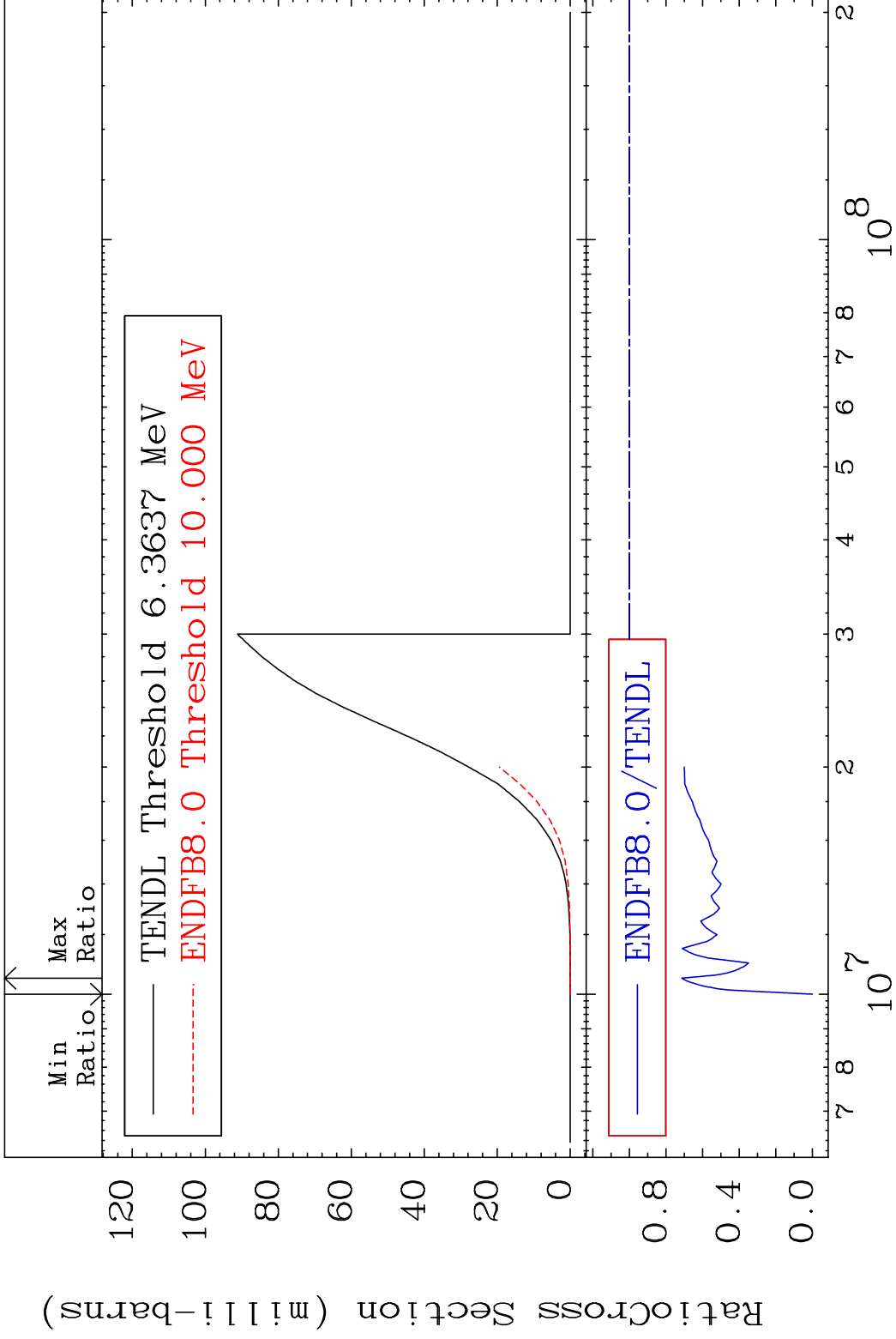
70-Yb-168

MAT 7025

(n, n') p

70-Yb-168

Cross Section -100.0 To -28.64%



7

Incident Energy (eV)

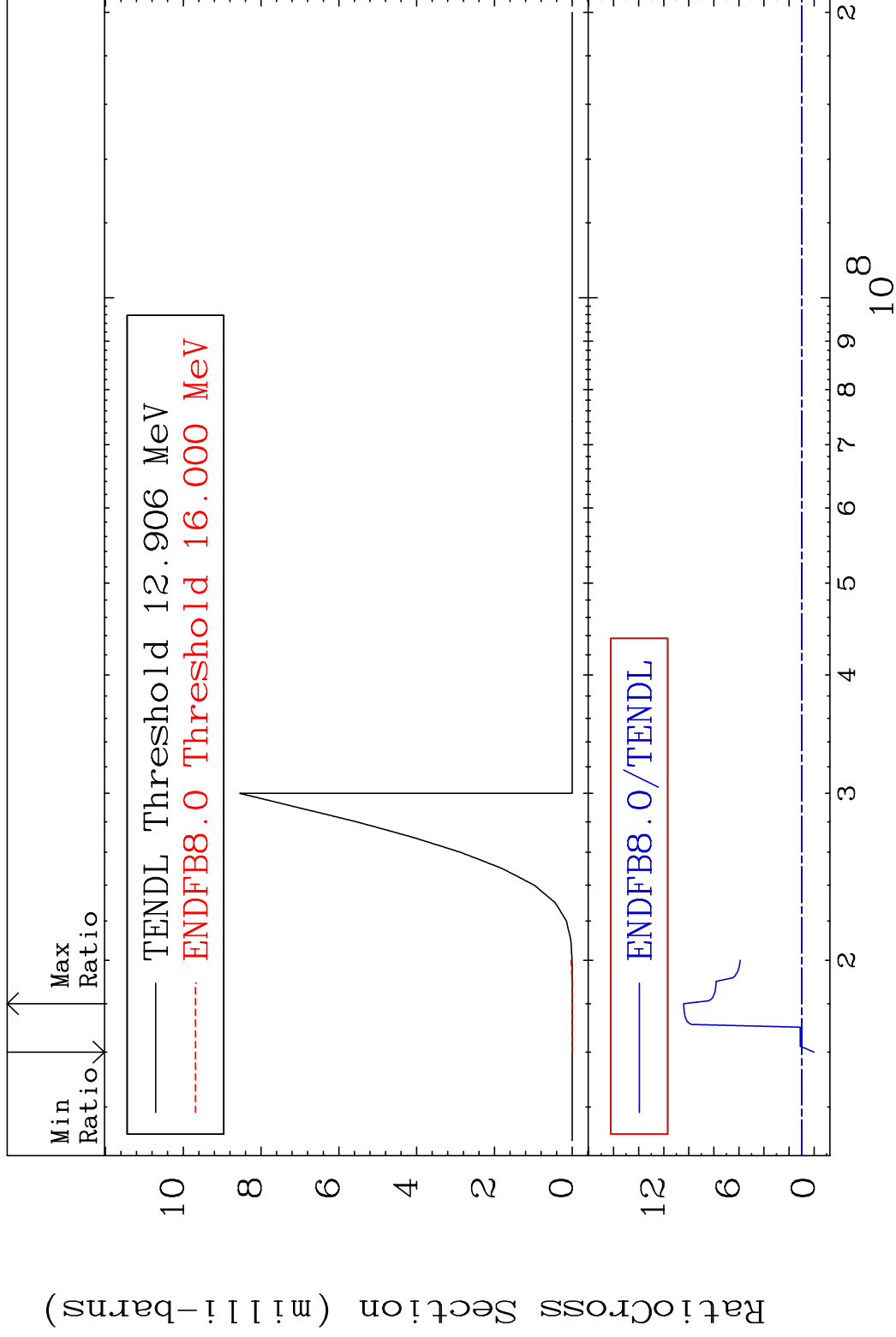
70-Yb-168

MAT 7025

(n, n') d

70-Yb-168

Cross Section -100.0 To 941.2 %

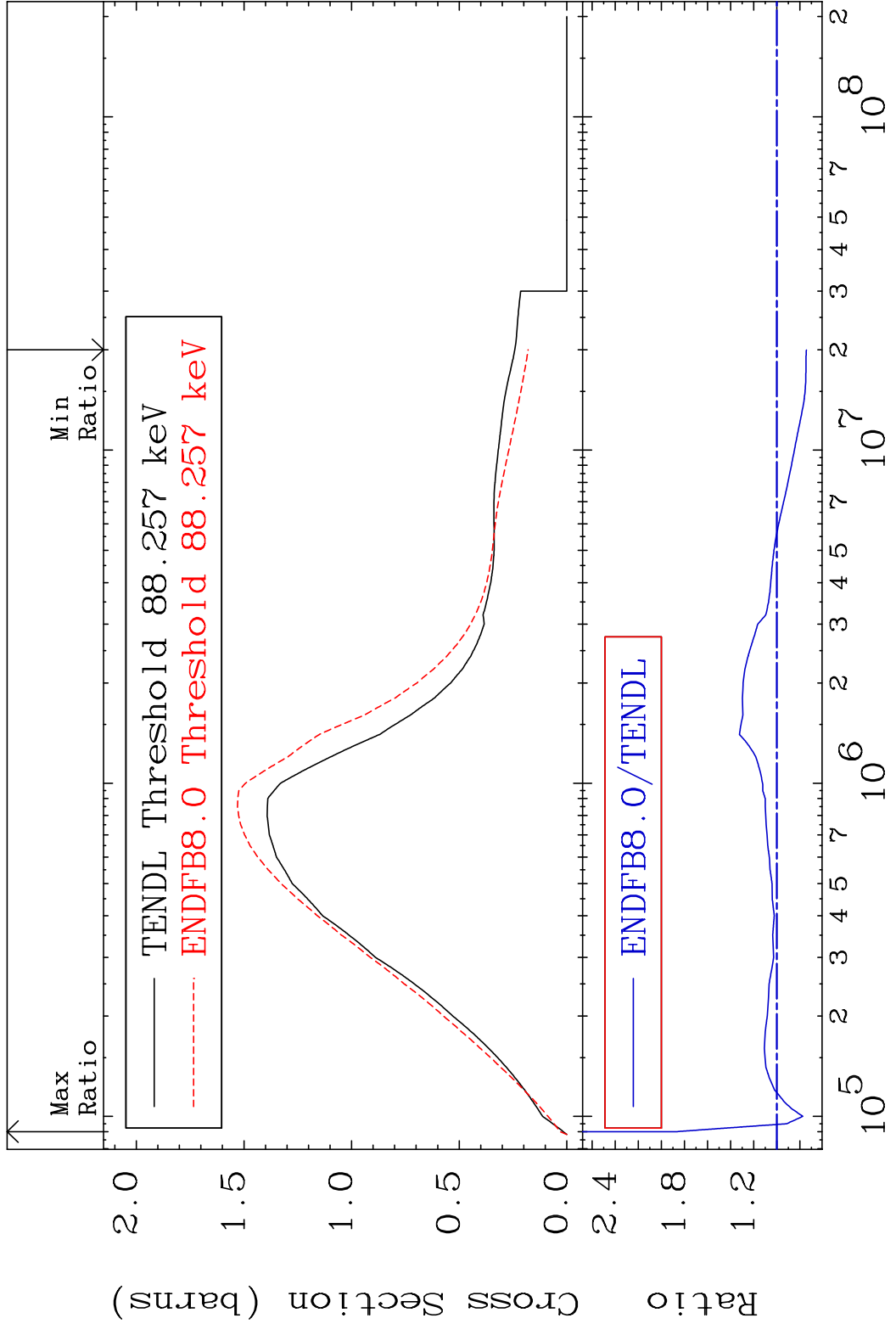


8

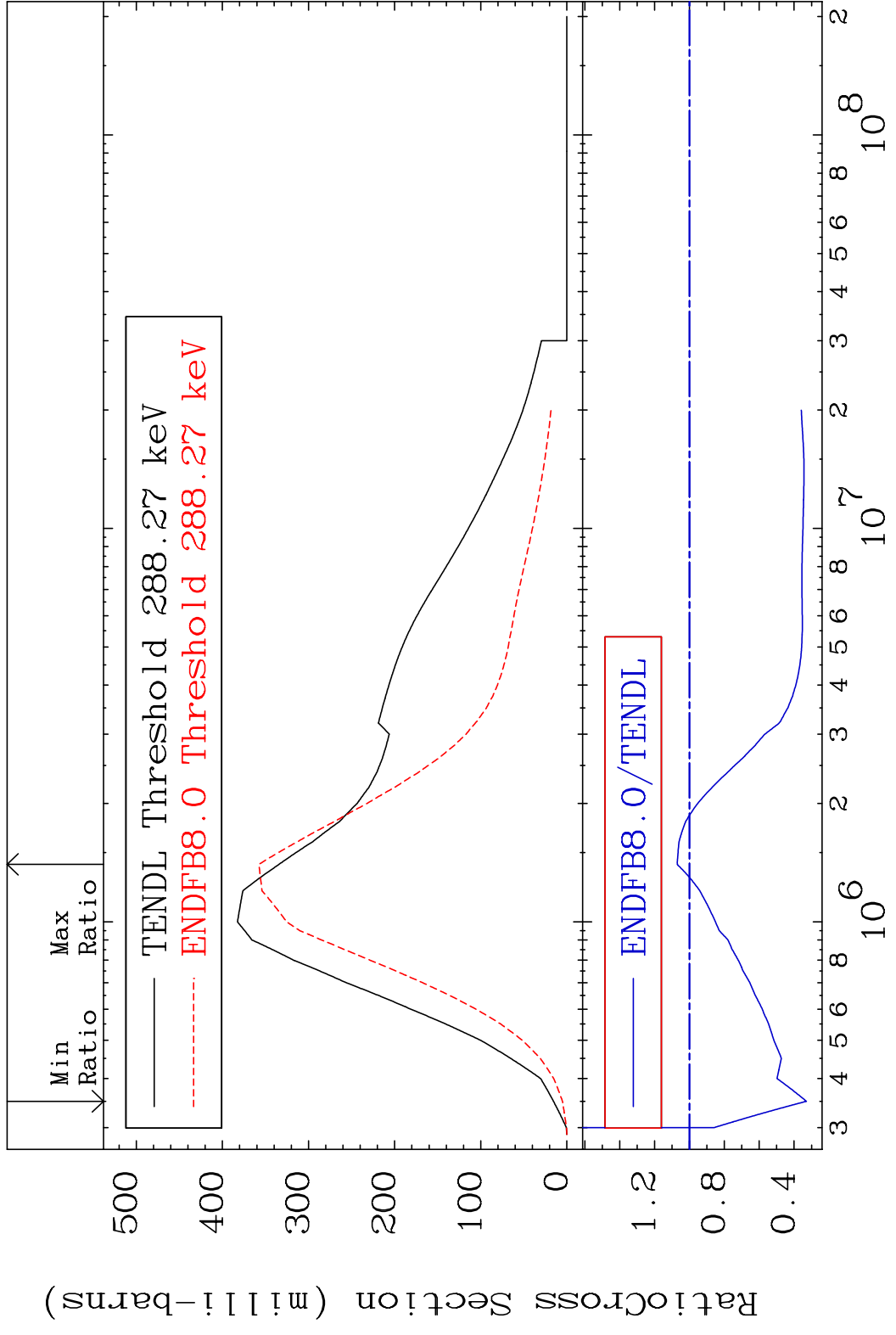
Incident Energy (eV)

70-Yb-168

MAT 7025 MT= 51 (n, n') Level 70-Yb-168
 Cross Section -25.73 To 86.30 %

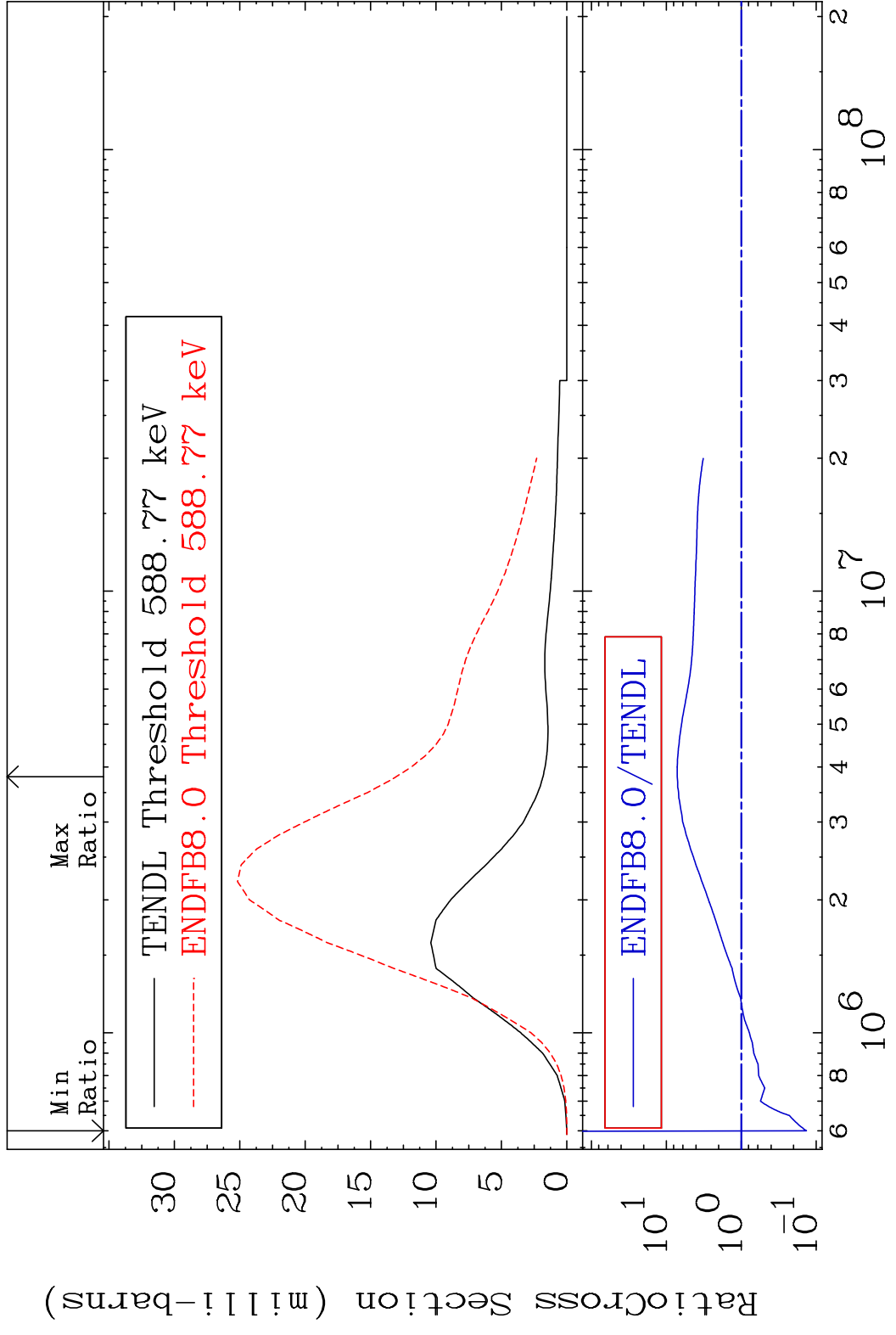


MAT 7025 MT= 52 (n, n') Level 70-Yb-168
 Cross Section -67.05 To 7.035 %

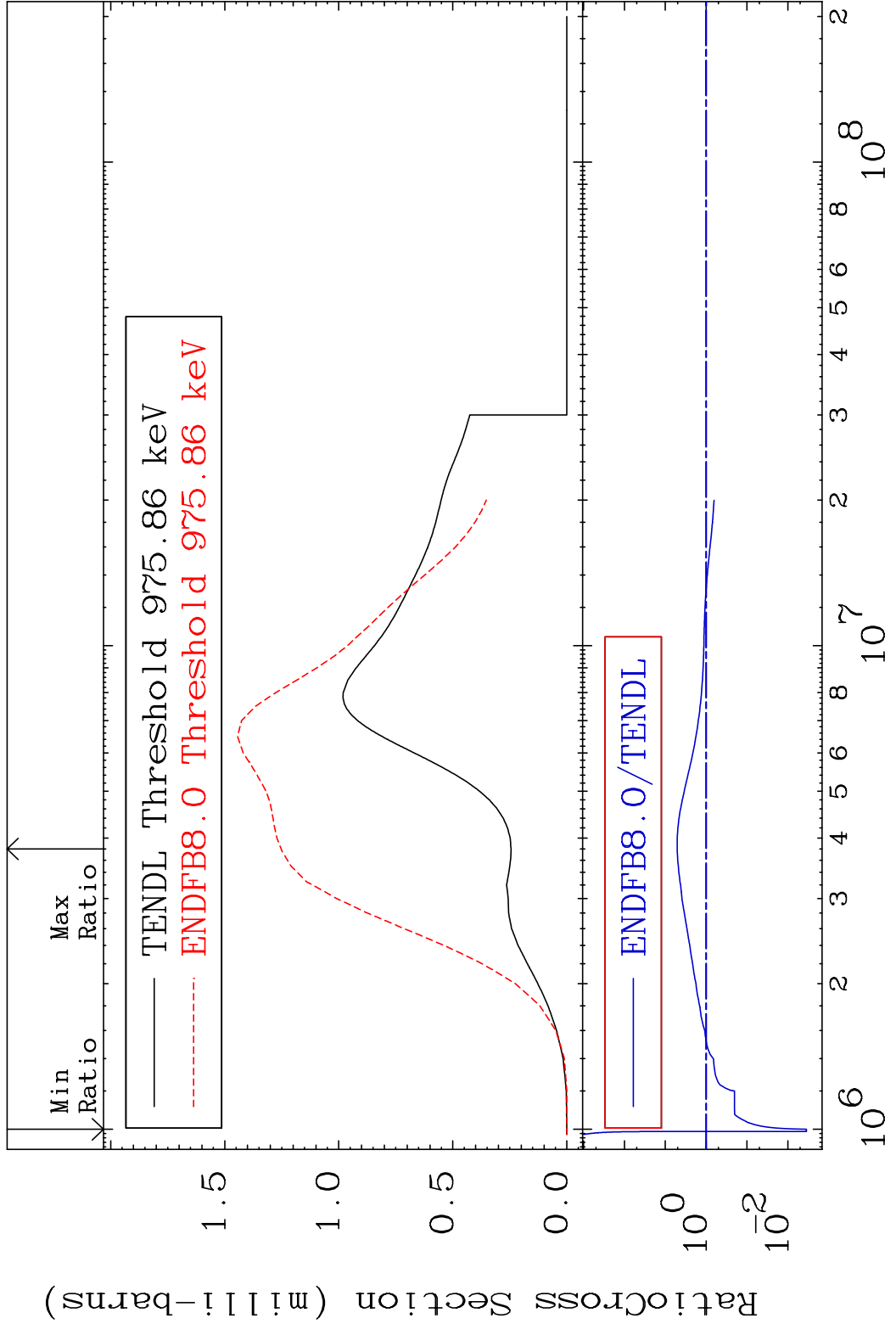


10 1.2 0.8 0.4 3 4 5 6 8 10⁶ 2 3 4 5 6 8 10⁸

MAT 7025 MT= 53 (n, n') Level 70-Yb-168
 Cross Section -86.51 To 615.3 %

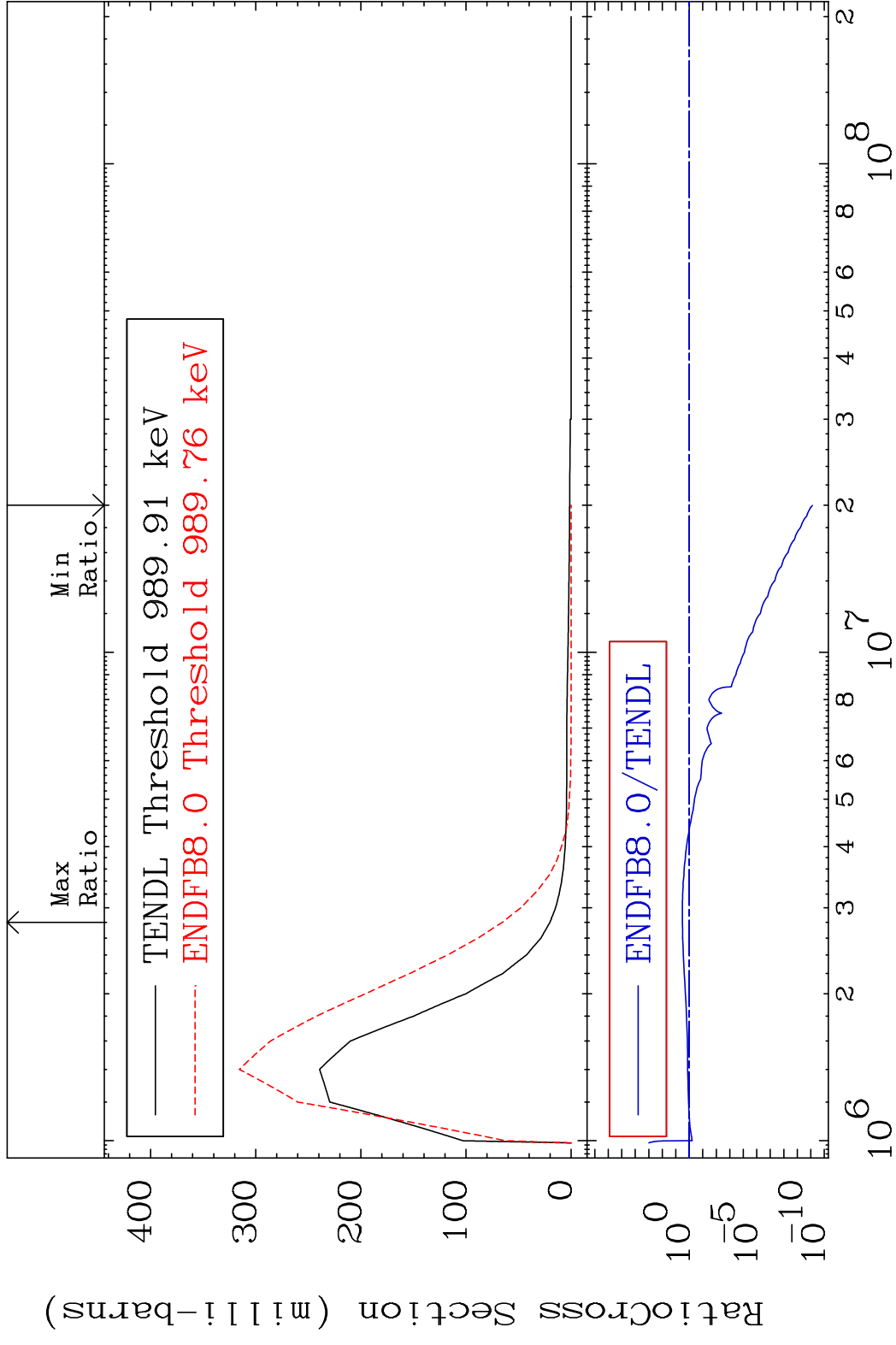


MAT 7025 MT= 54 (n, n') Level 70-Yb-168
 Cross Section -99.65 To 411.9 %



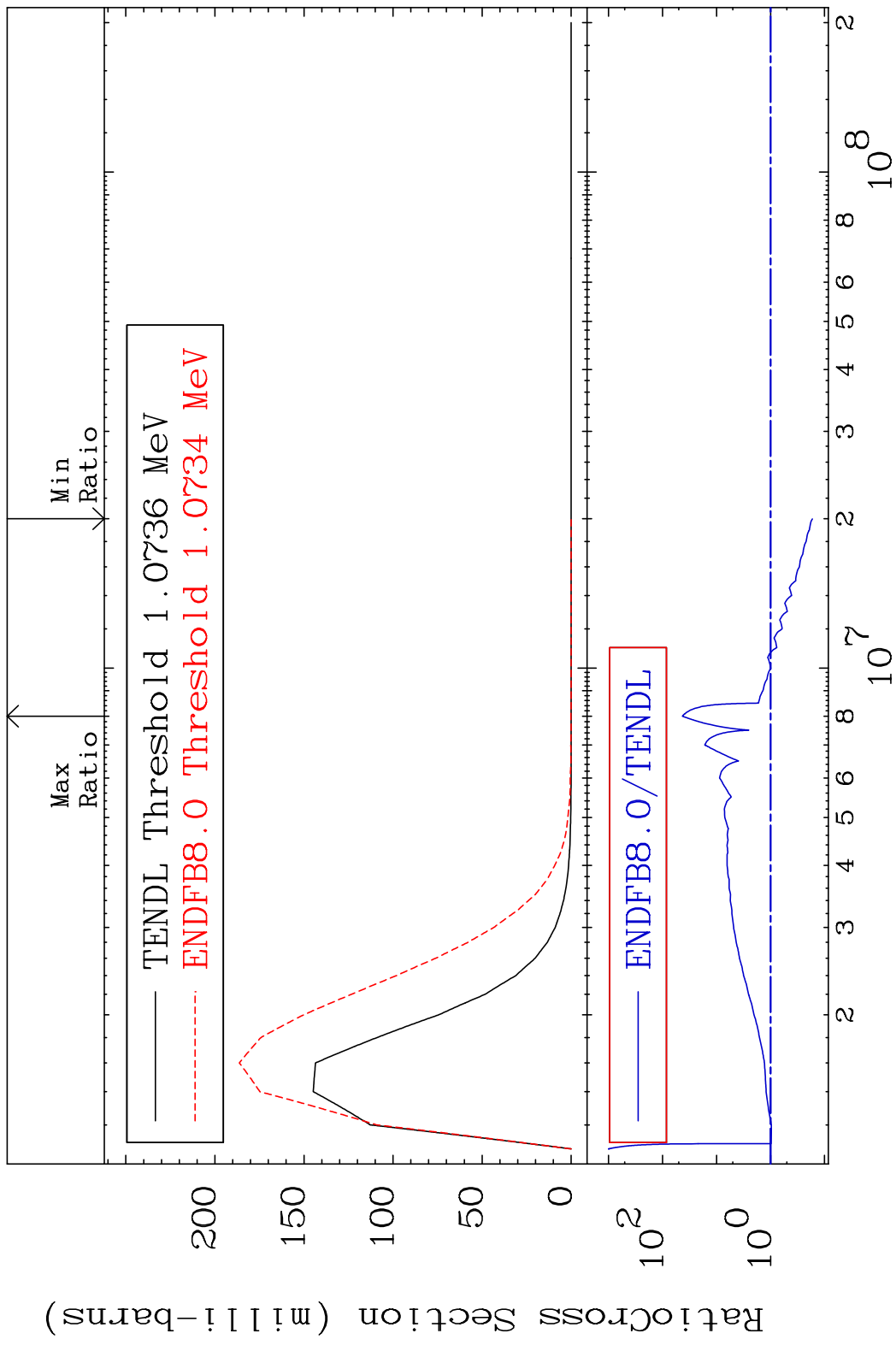
12 70-Yb-168

MAT 7025 MT= 55 (n, n') Level 70-Yb-168
 Cross Section -100.0 To 224.5 %

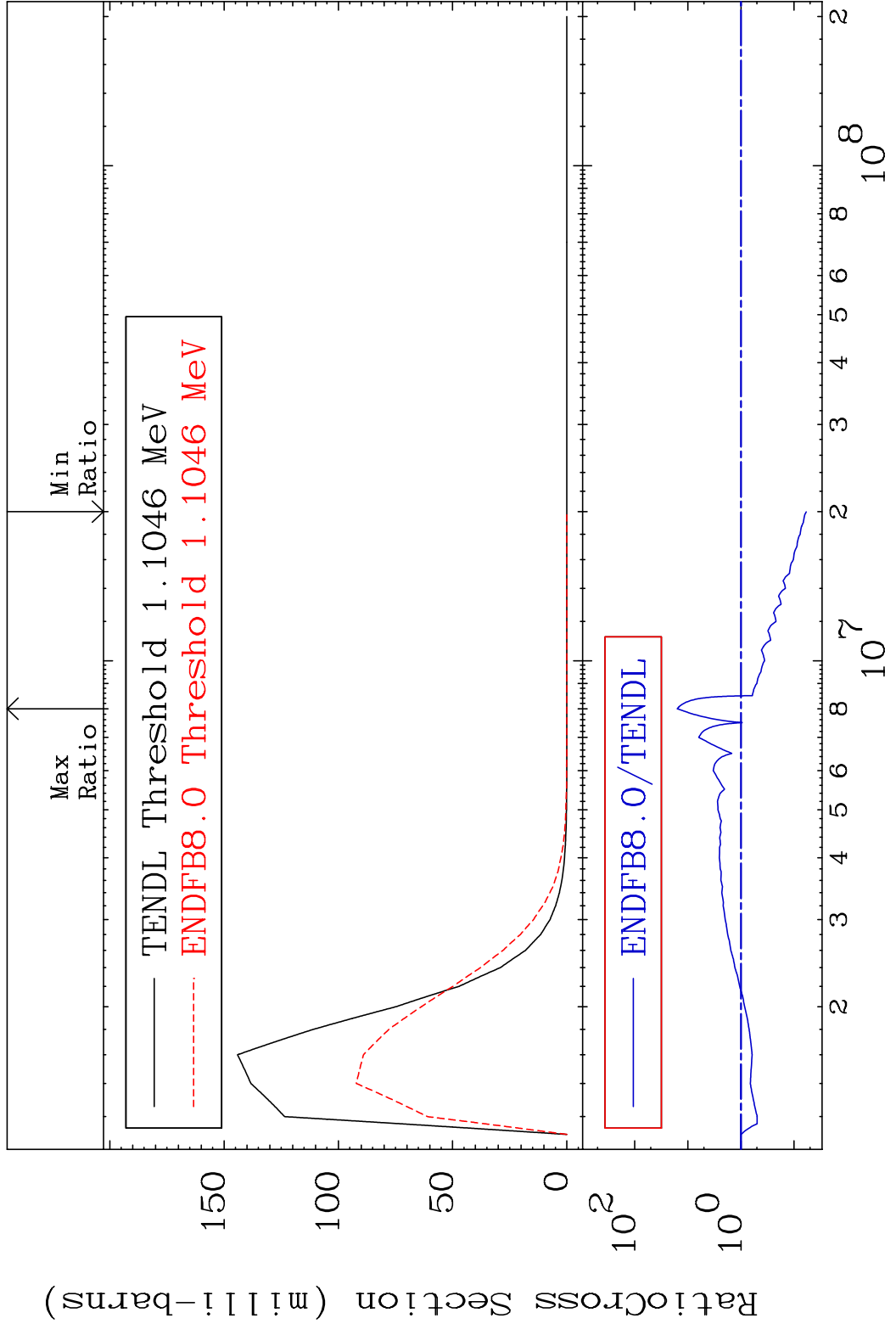


13 Incident Energy (eV) 70-Yb-168

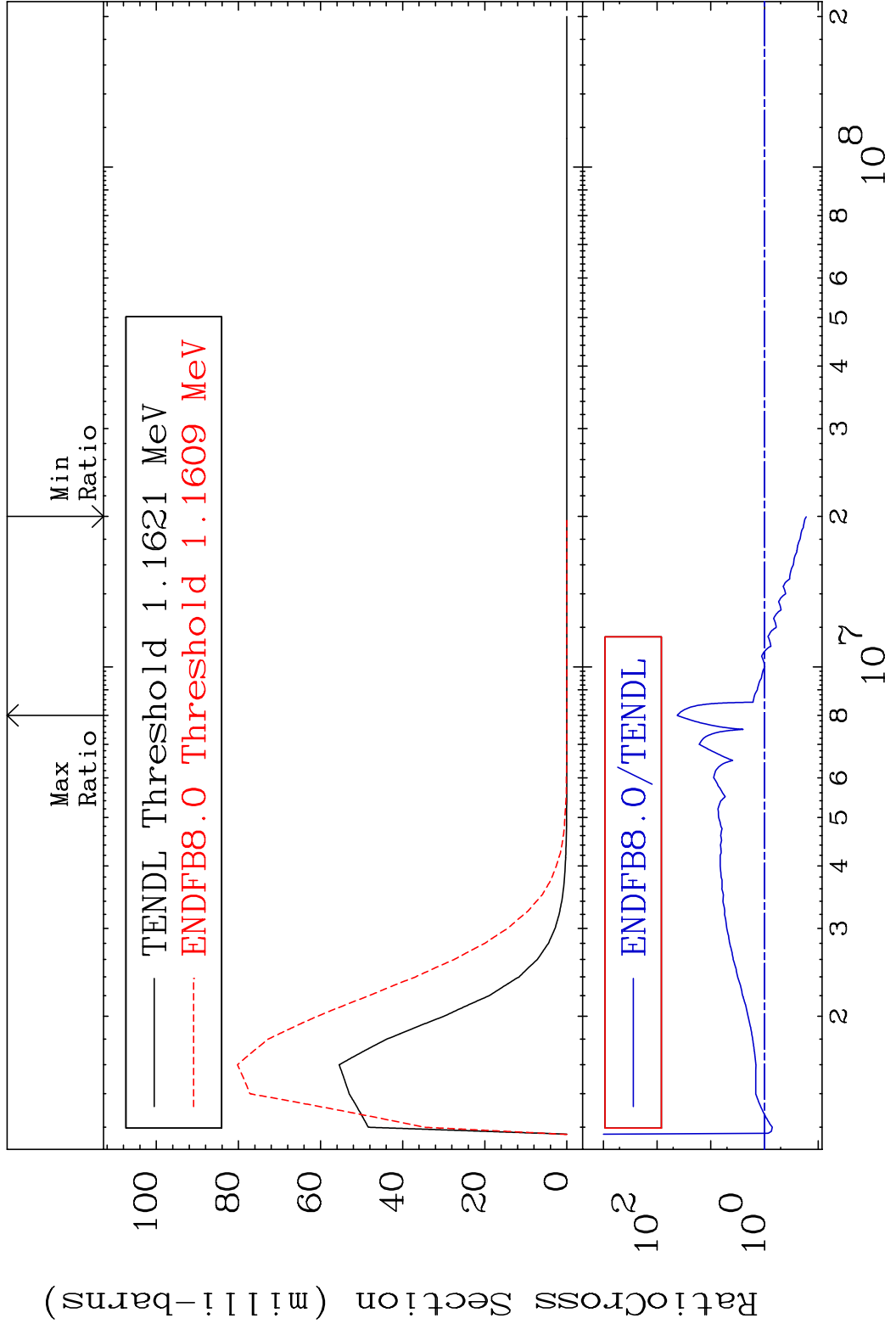
MAT 7025 MT= 56 (n,n') Level 70-Yb-168
 Cross Section -83.31 To 4199. %



MAT 7025 MT= 57 (n,n') Level 70-Yb-168
 Cross Section -94.13 To 1486. %

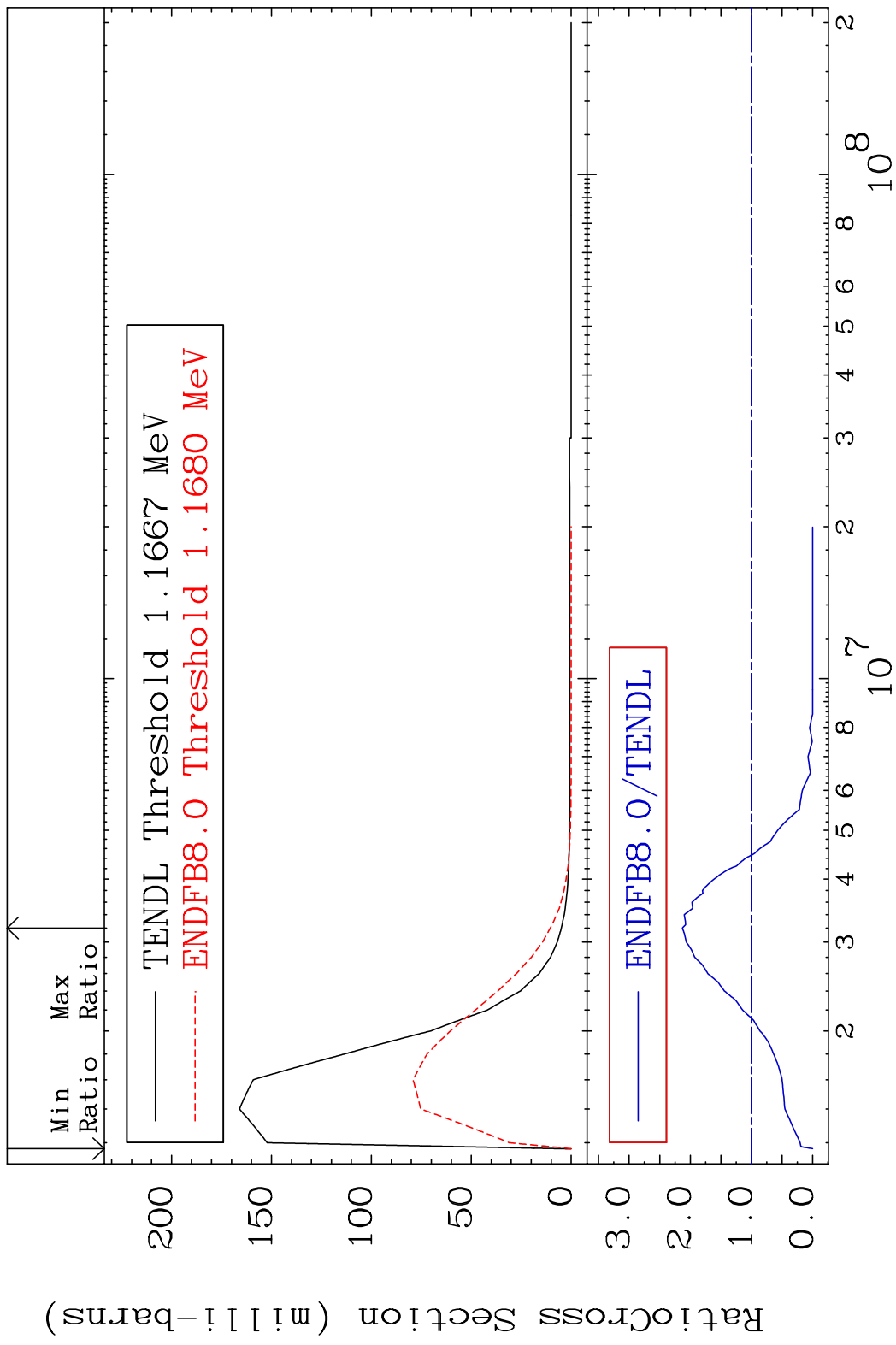


MAT 7025 MT= 58 (n, n') Level 70-Yb-168
 Cross Section -83.42 To 4124. %

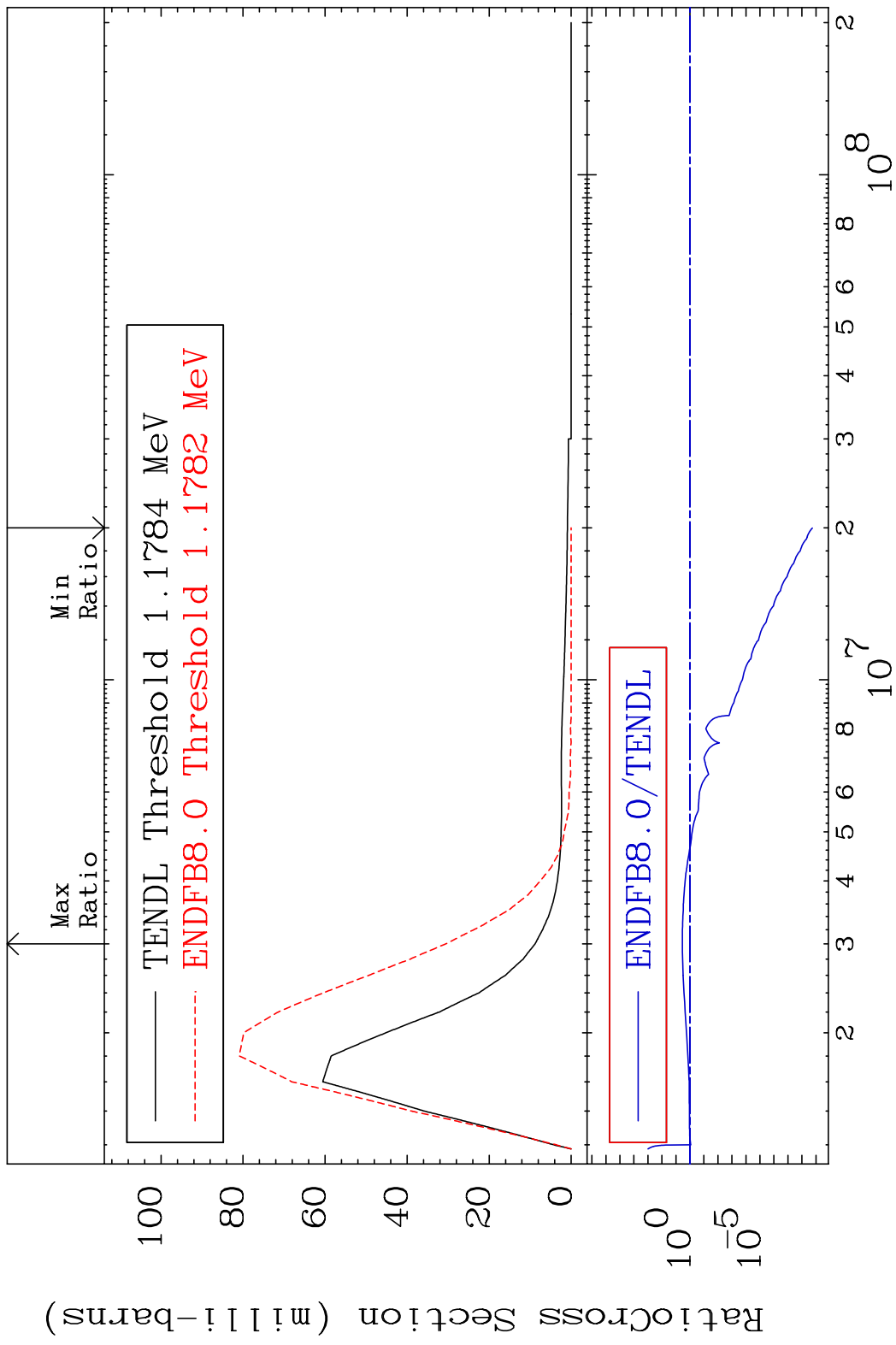


16 Incident Energy (eV) 70-Yb-168

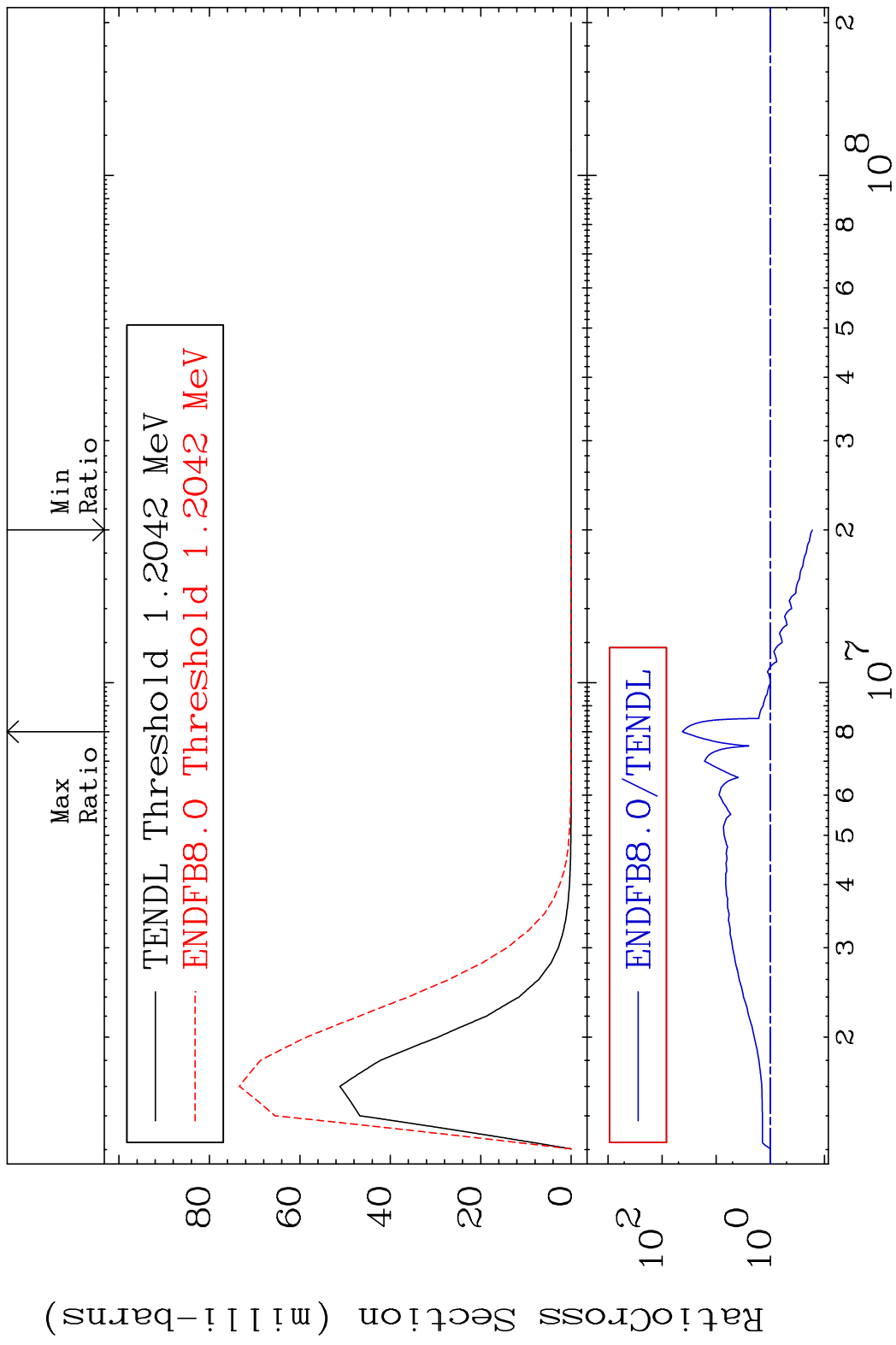
MAT 7025 MT= 59 (n, n') Level 70-Yb-168
 Cross Section -100.0 To 113.0 %



MAT 7025 MT= 60 (n, n') Level 70-Yb-168
 Cross Section -100.0 To 247.2 %

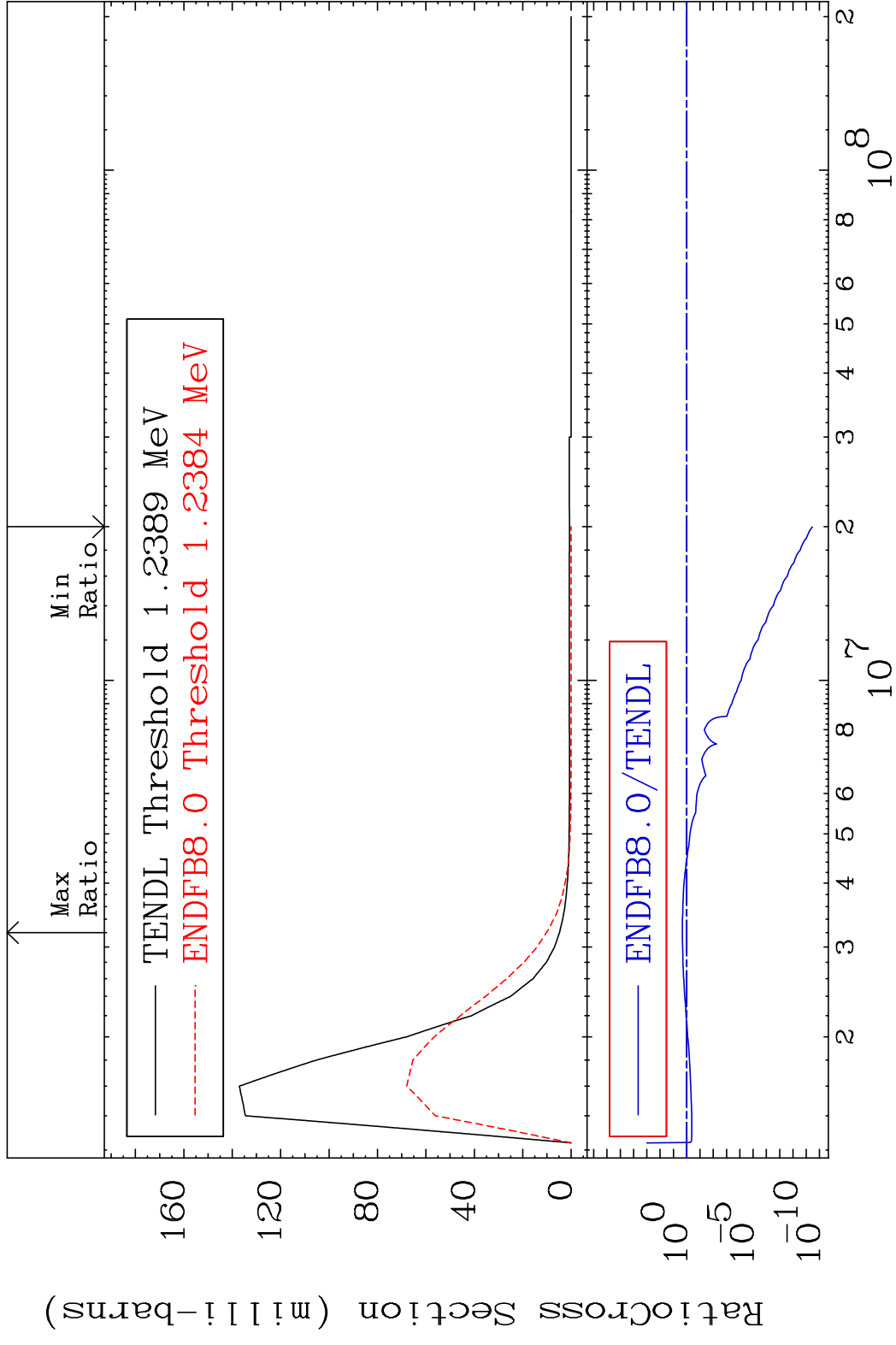


MAT 7025 MT= 61 (n, n') Level 70-Yb-168
 Cross Section -83.41 To 4129. %

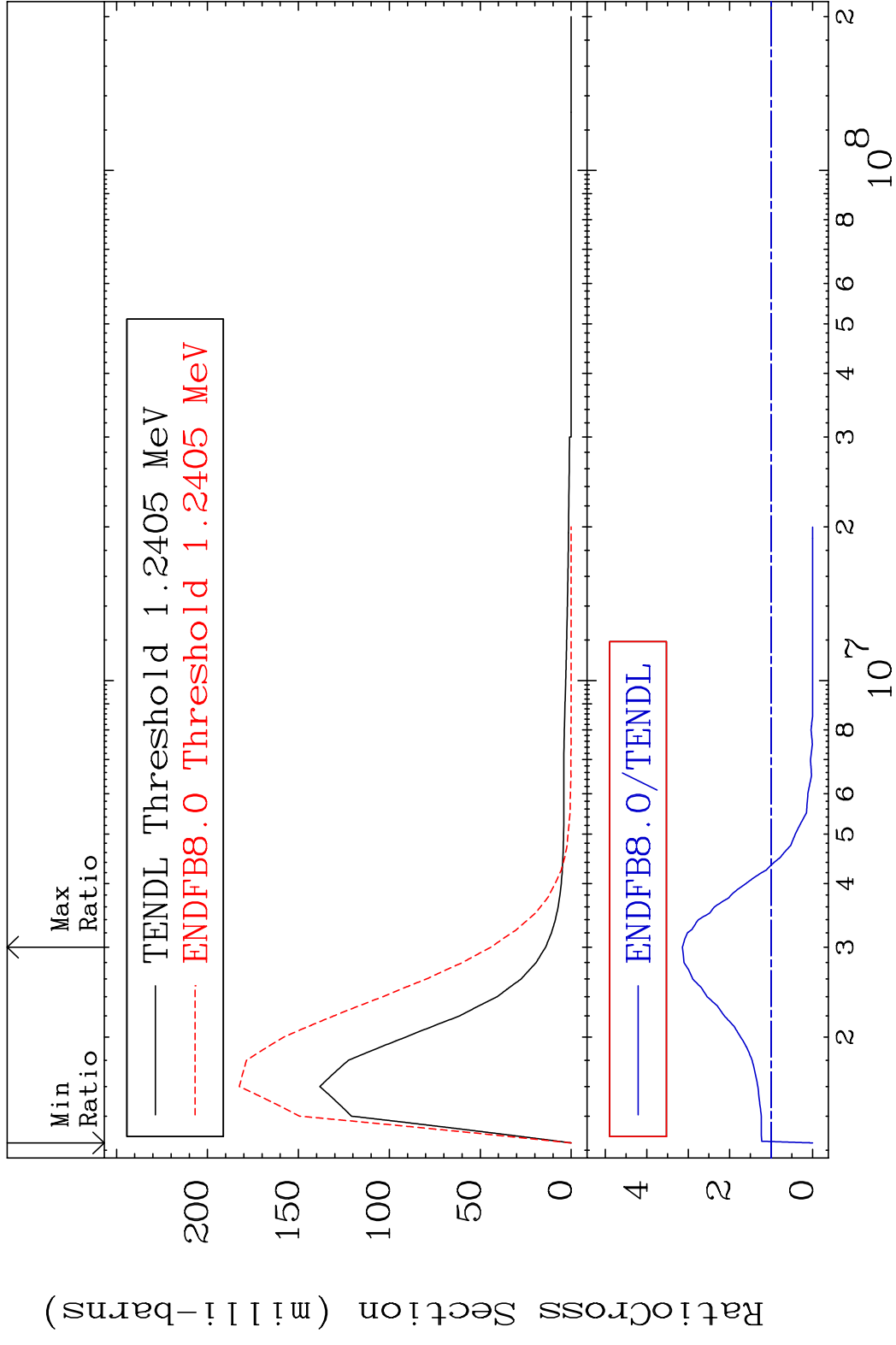


19 Incident Energy (eV) 70-Yb-168

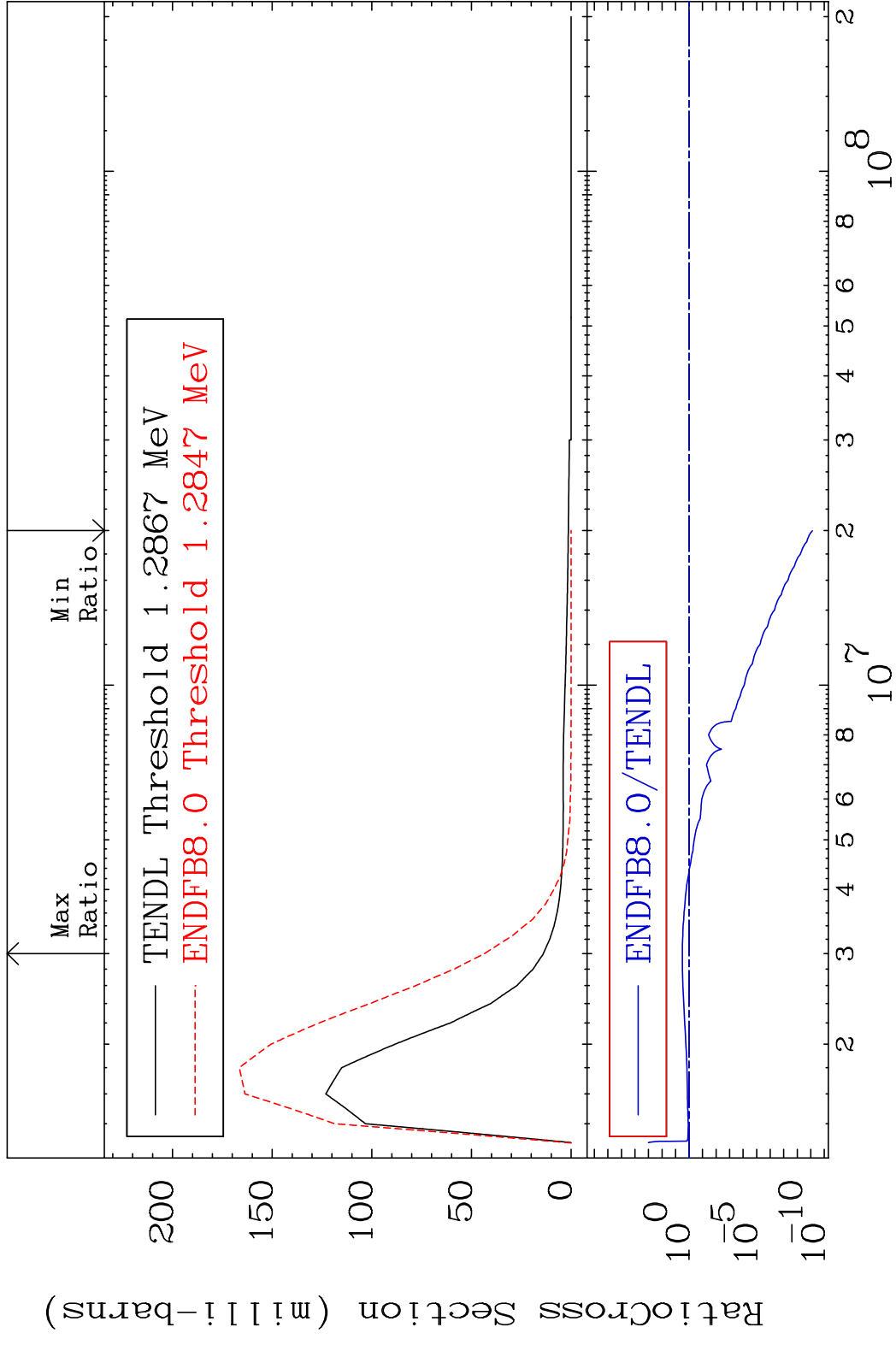
MAT 7025 MT= 62 (n, n') Level 70-Yb-168
 Cross Section -100.0 To 111.6 %



MAT 7025 MT= 63 (n, n') Level 70-Yb-168
 Cross Section -100.0 To 214.2 %



MAT 7025 MT= 64 (n, n') Level 70-Yb-168
 Cross Section -100.0 To 212.2 %

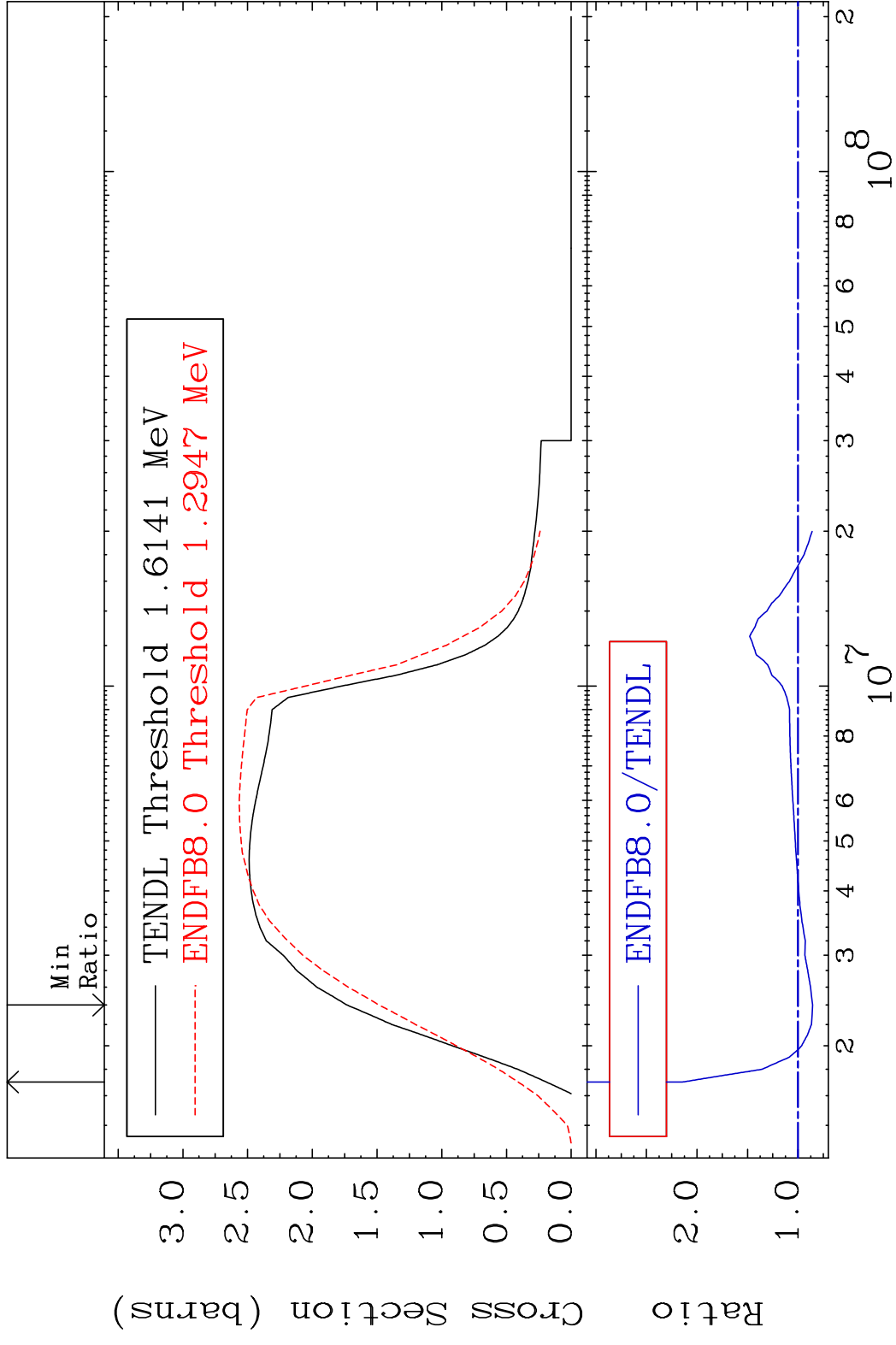


MAT 7025

(n, n') Continuum

70-Yb-168

Cross Section -14.34 To 114.5 %

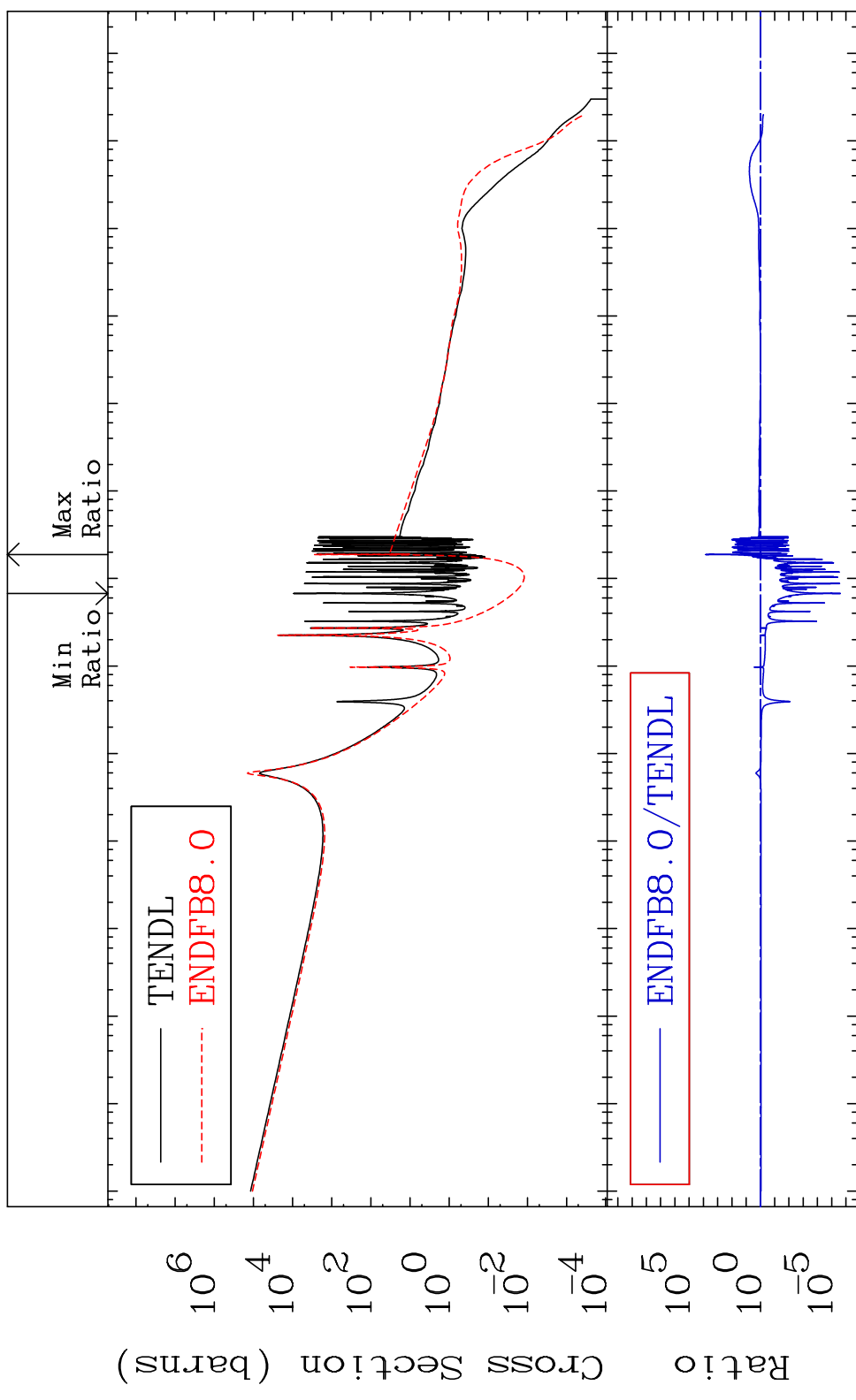


MAT 7025

70-Yb-168

(n, γ)

Cross Section -100.0 To 9999. %

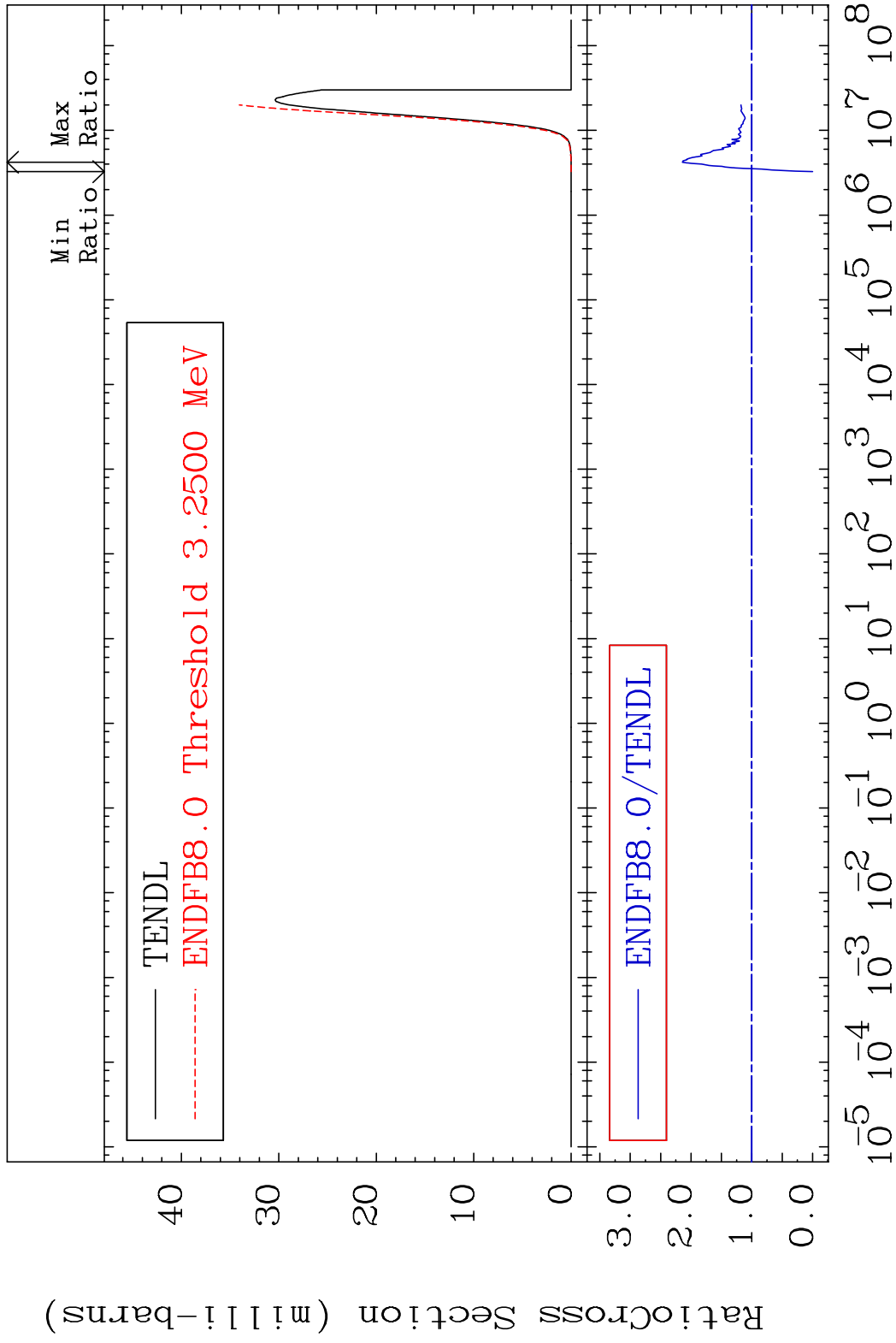


MAT 7025

(n, p)

70-Yb-168

Cross Section -100.0 To 114.3 %



25

Incident Energy (eV)

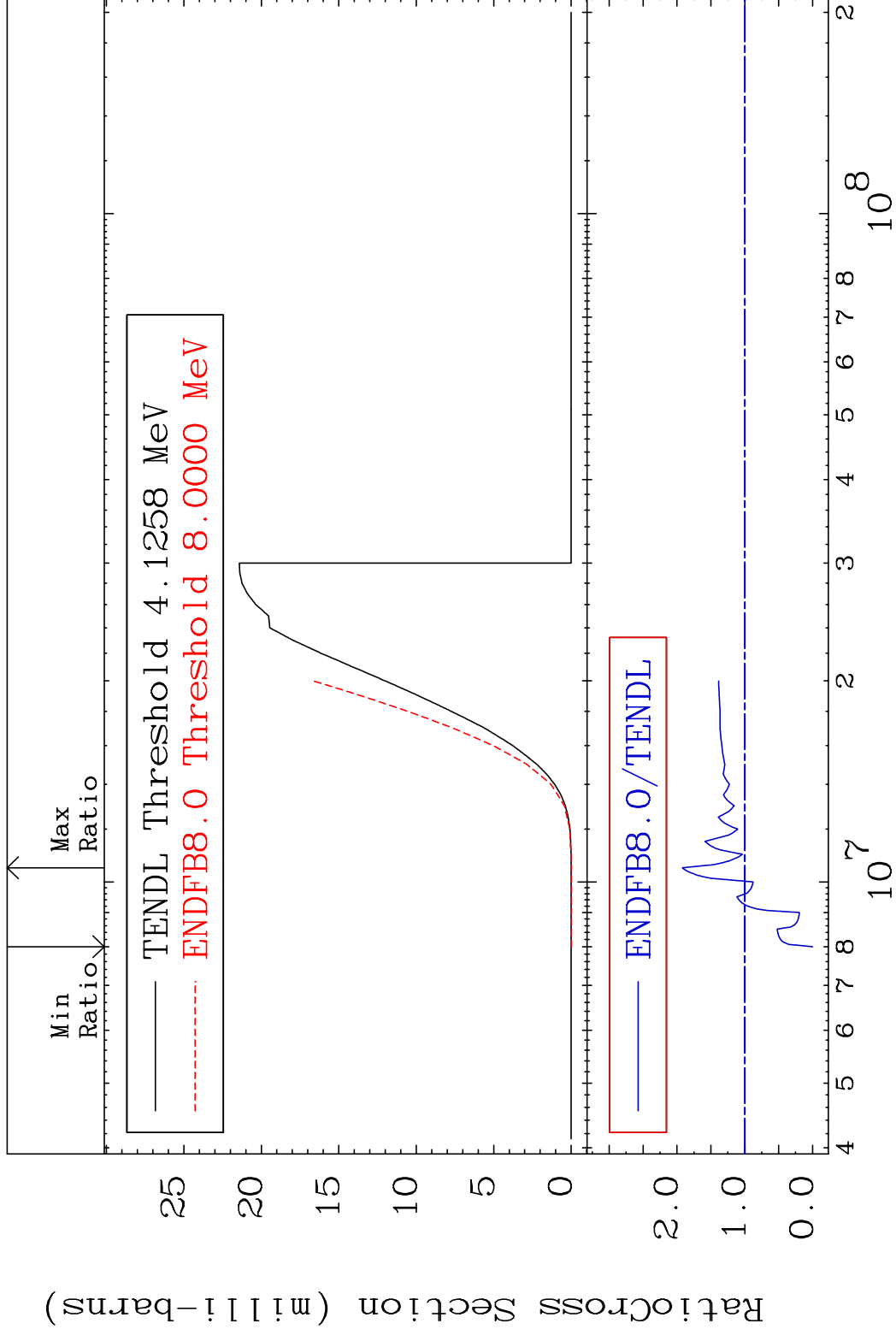
70-Yb-168

MAT 7025

(n, d)

70-Yb-168

Cross Section -100.0 To 92.11 %



26

Incident Energy (eV)

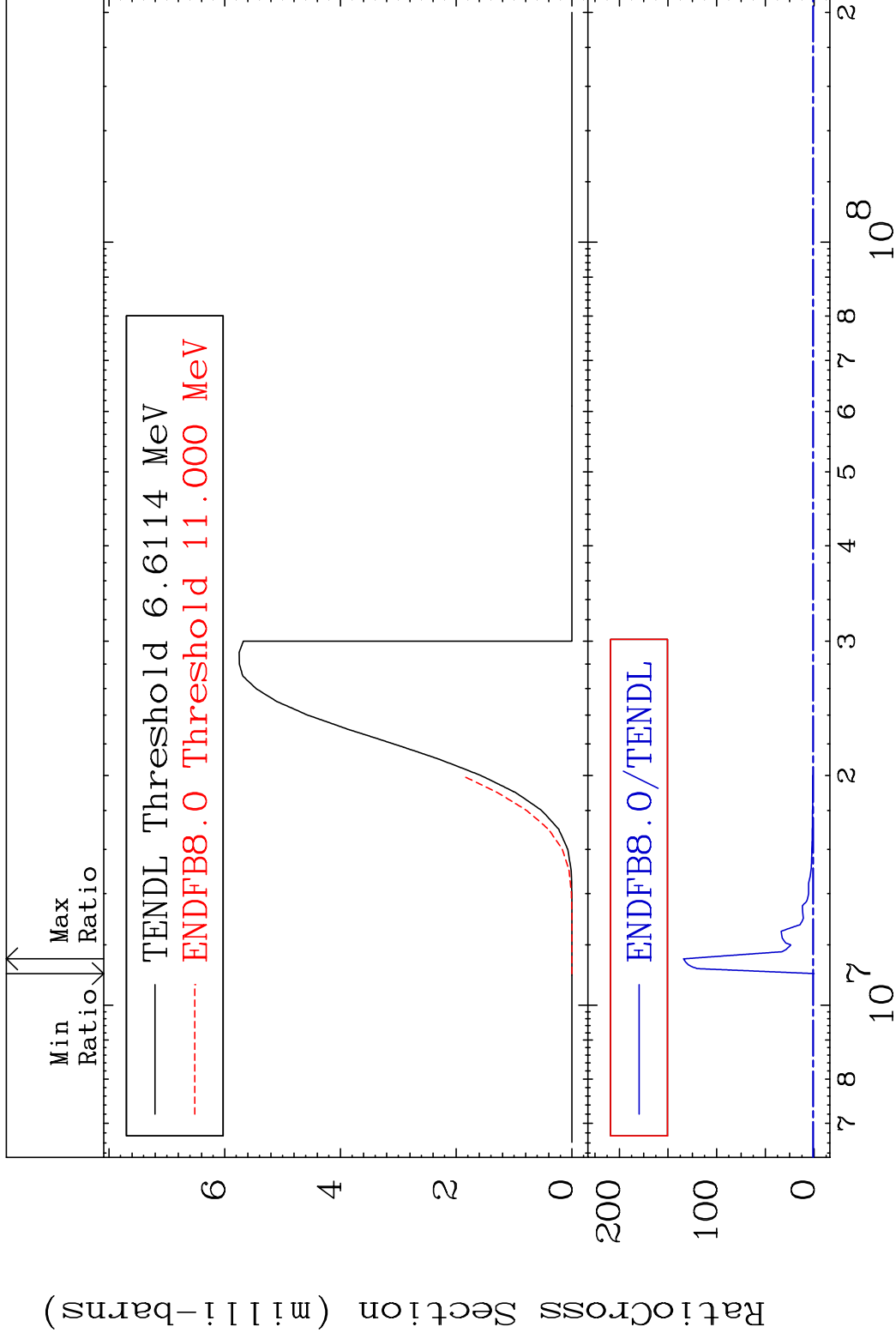
70-Yb-168

MAT 7025

(n, t)

70-Yb-168

Cross Section -100.0 To 9999. %

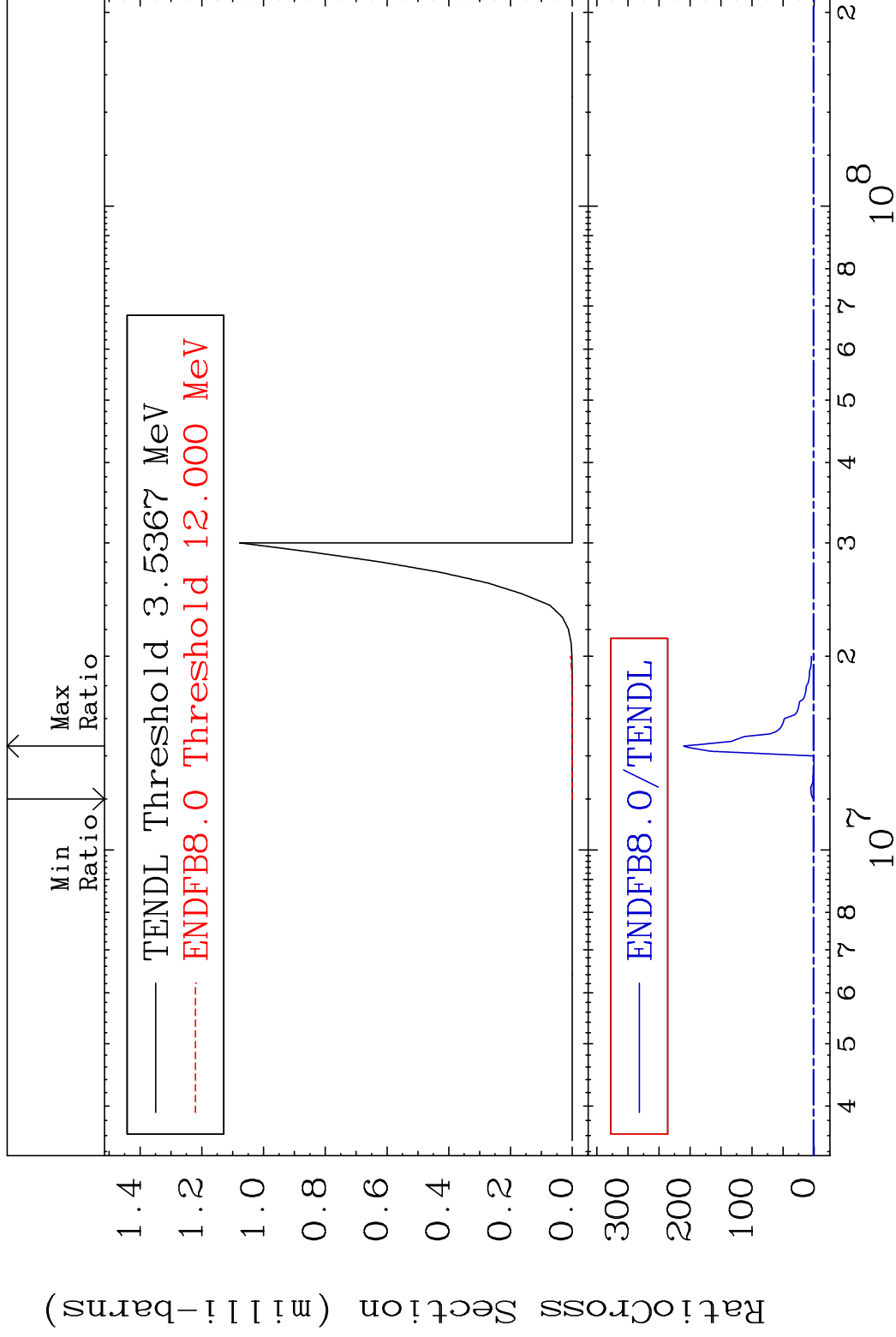


MAT 7025

(n, He-3)

70-Yb-168

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

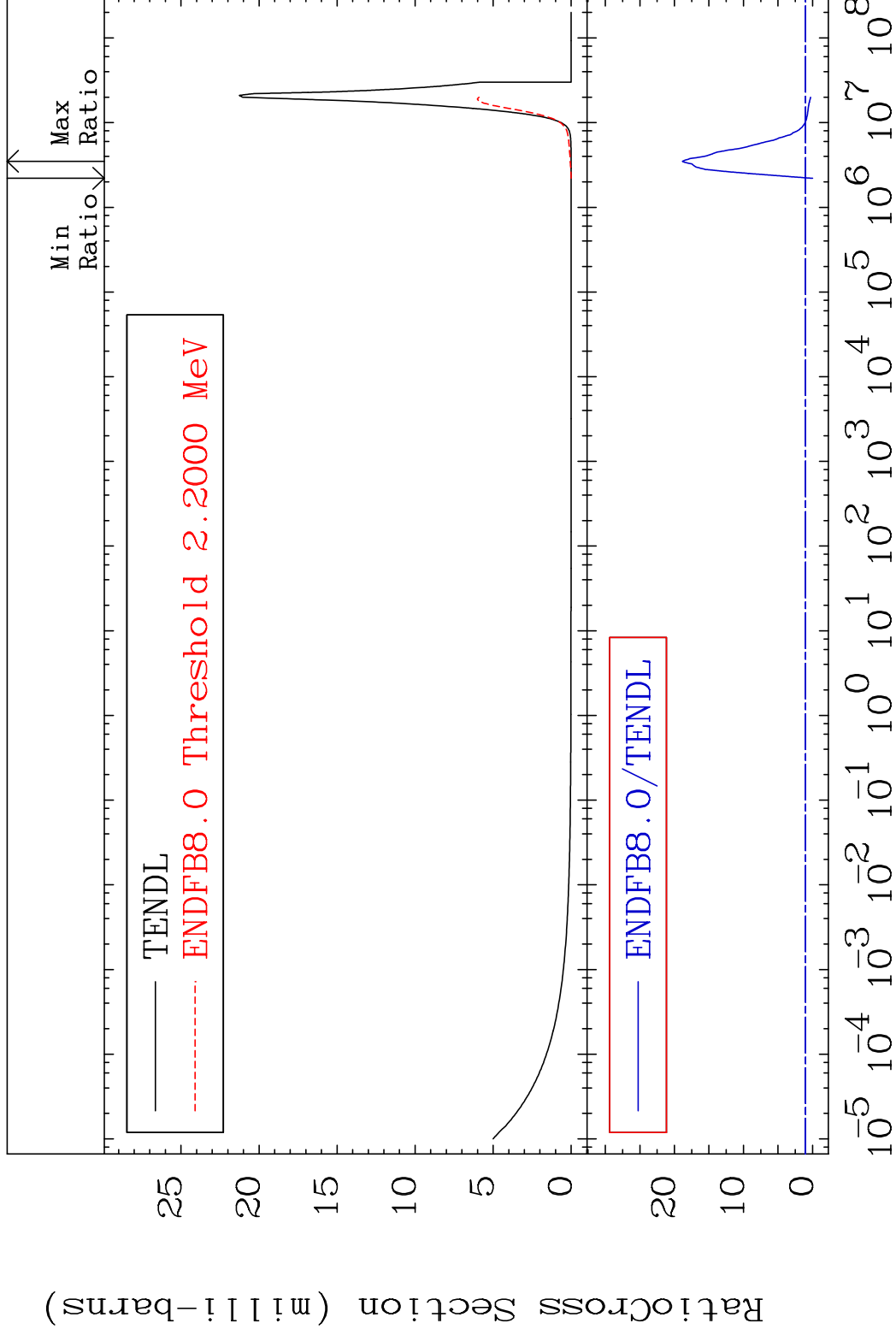
70-Yb-168

MAT 7025

(n, α)

70-Yb-168

Cross Section -100.0 To 1785. %



29

Incident Energy (eV)

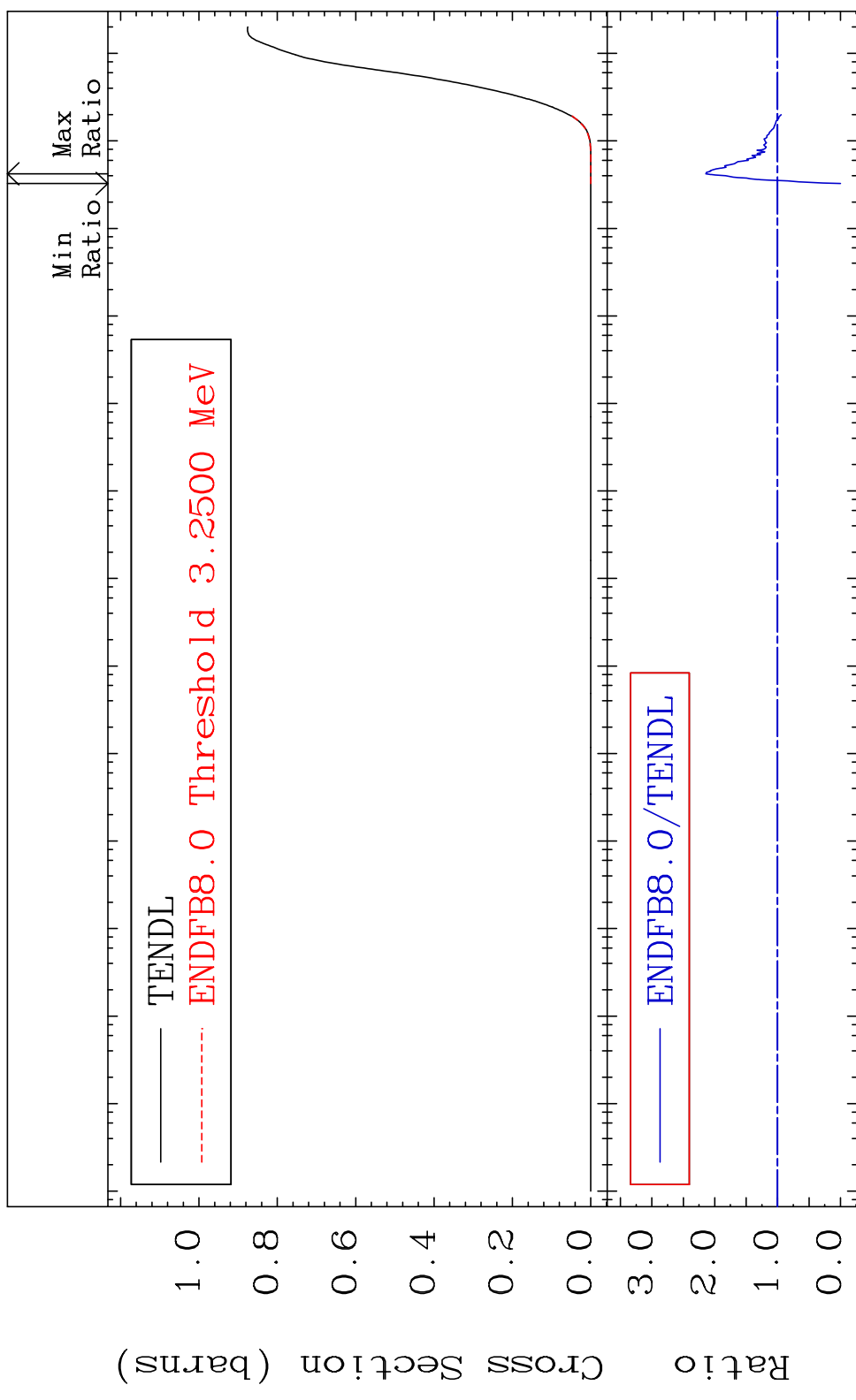
70-Yb-168

MAT 7025

Hydrogen Production

70-Yb-168

Cross Section -100.0 To 114.3 %

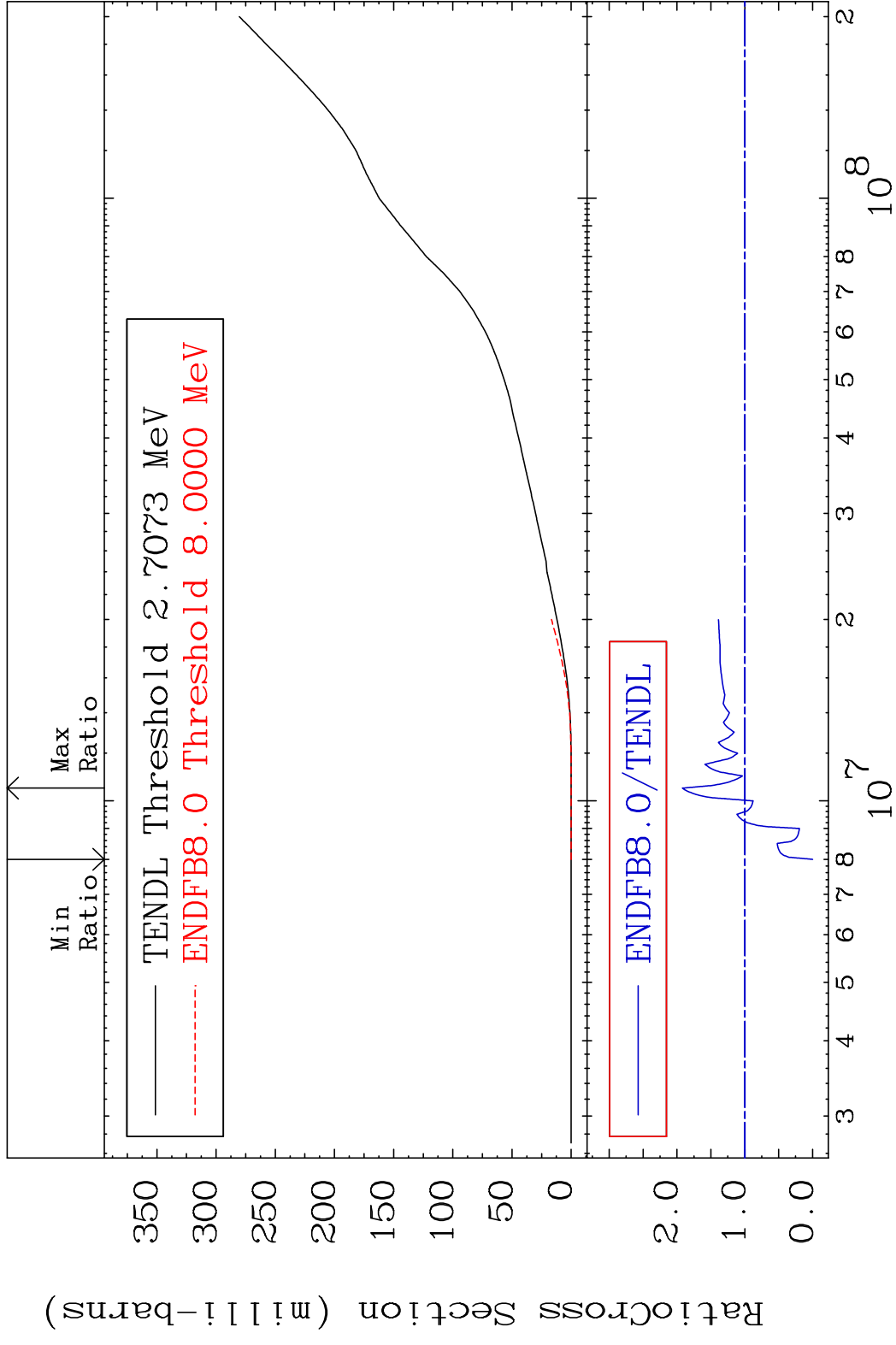


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

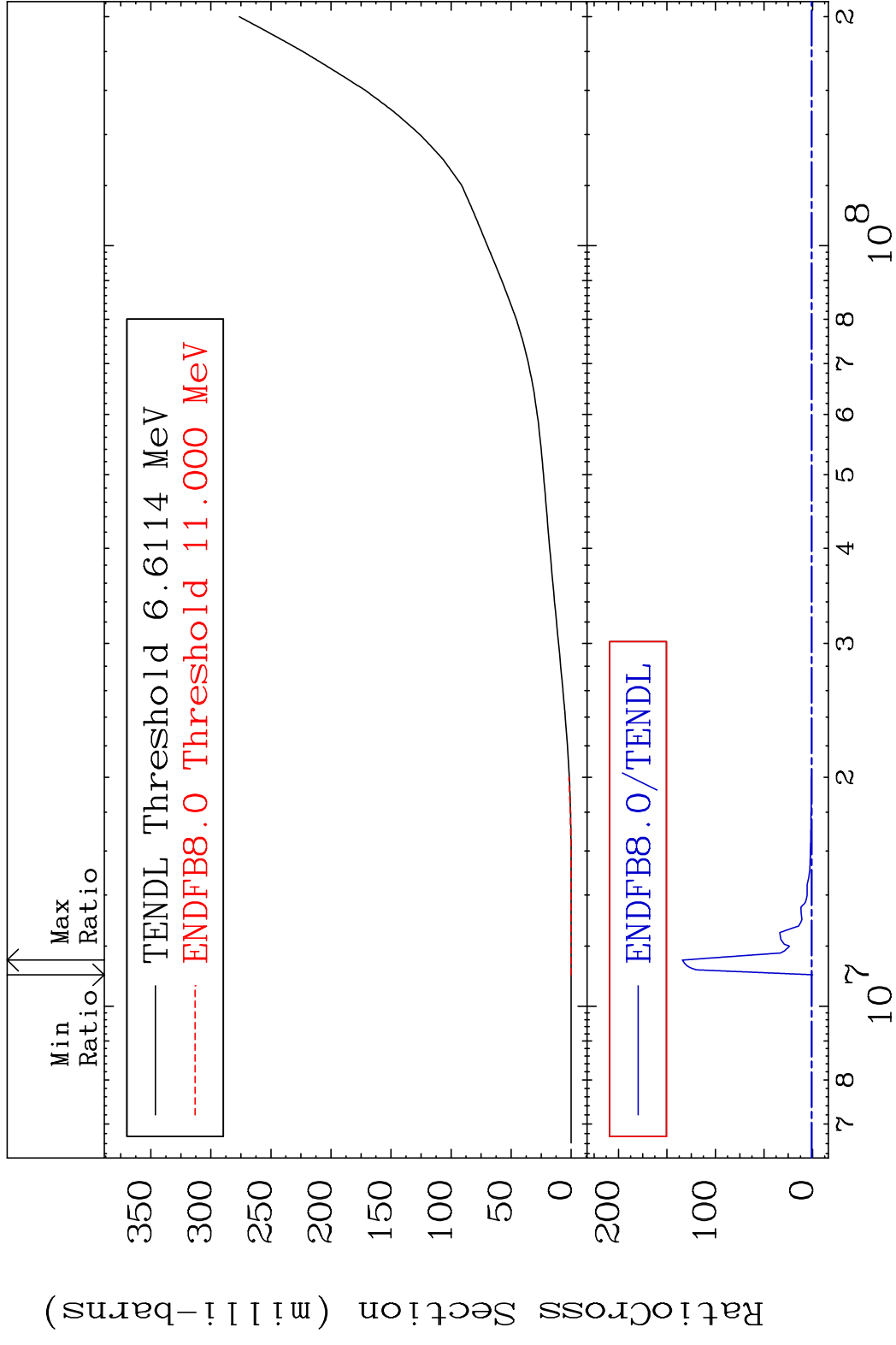
30

Incident Energy (eV)

70-Yb-168



MAT 7025 Tritium Production 70-Yb-168
 Cross Section -100.0 To 9999. %

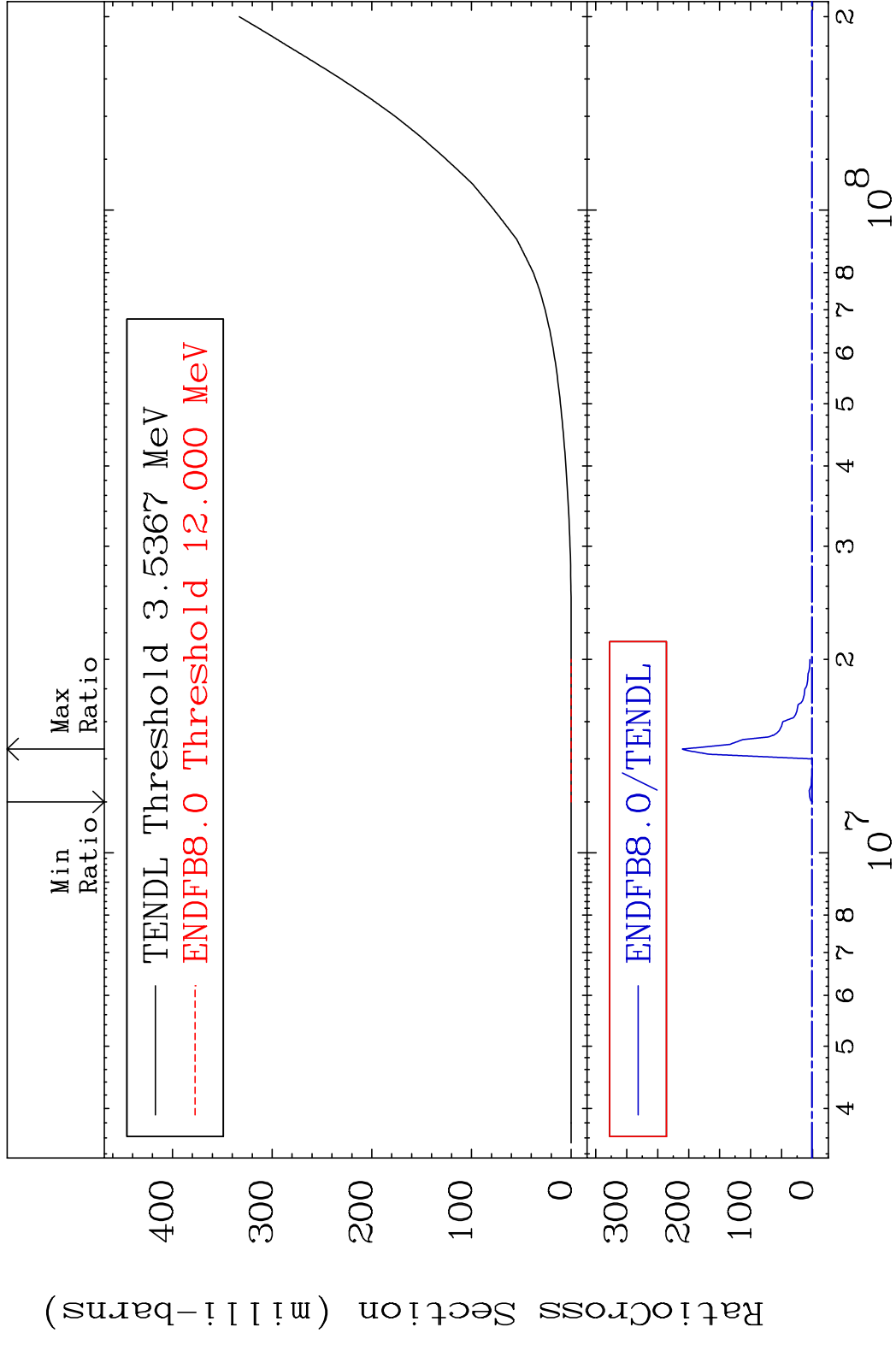


MAT 7025

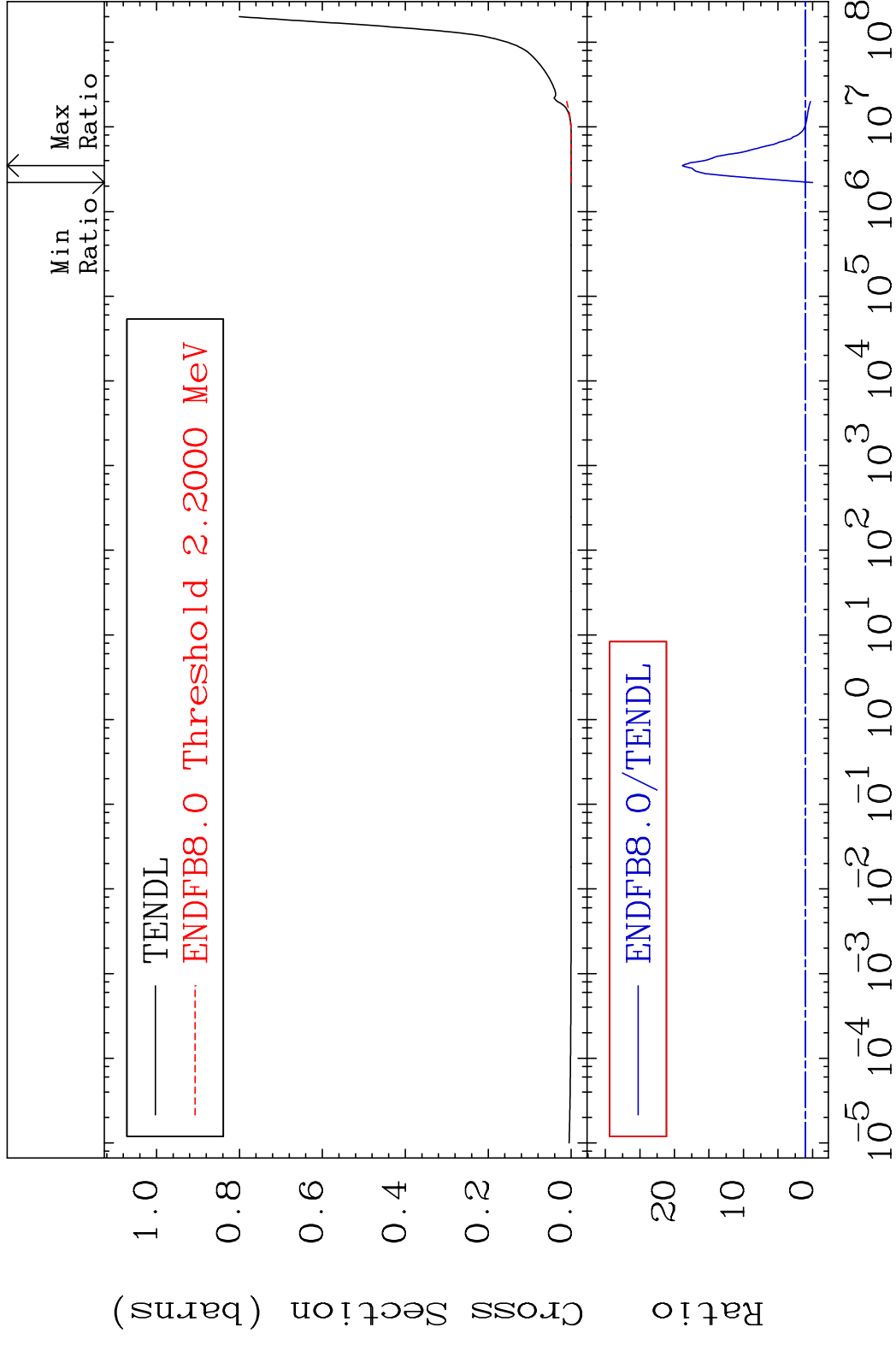
He-3 Production

70-Yb-168

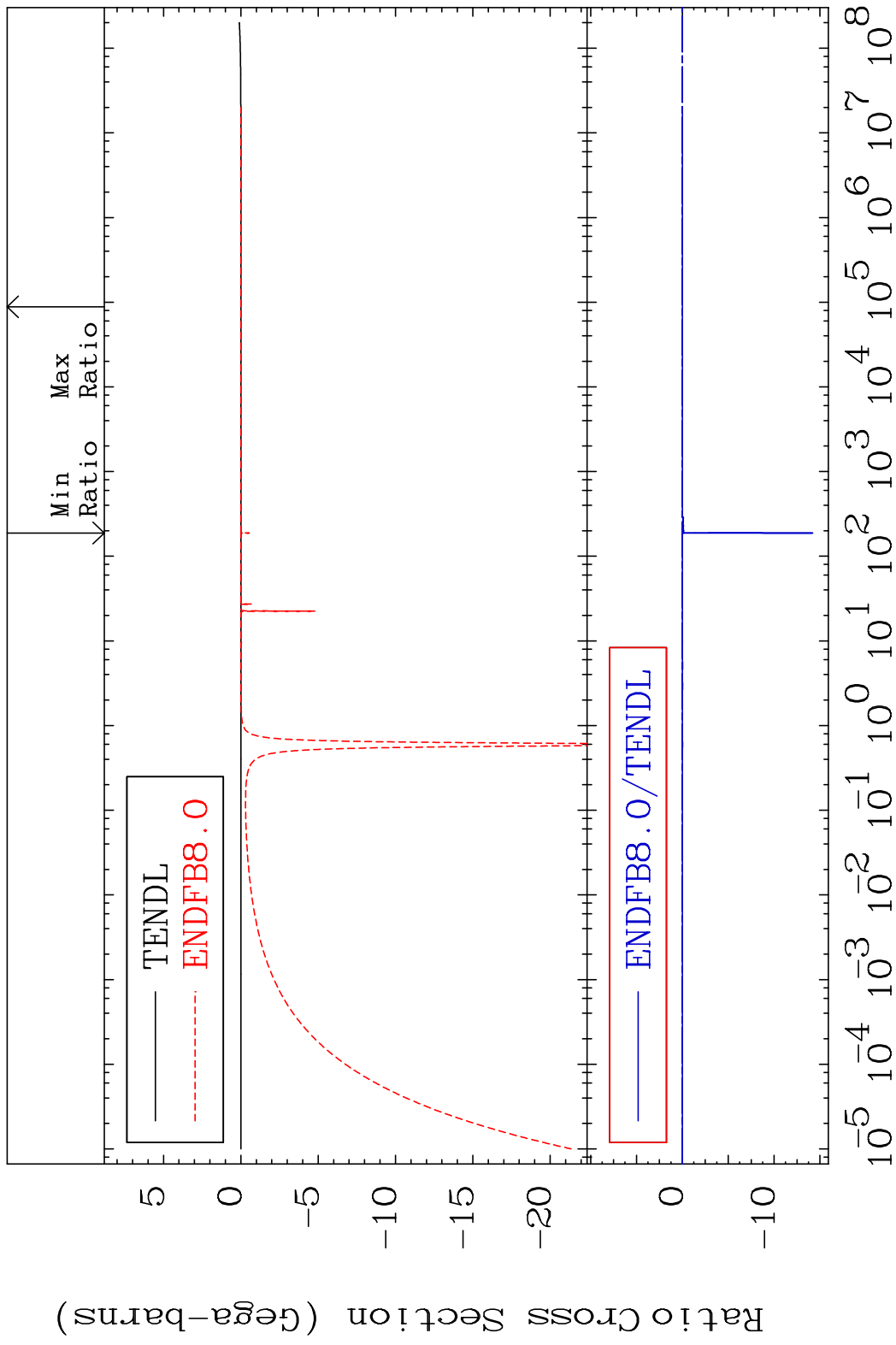
Cross Section -100.0 To 9999. %



Cross Section -100.0 To 1785. %

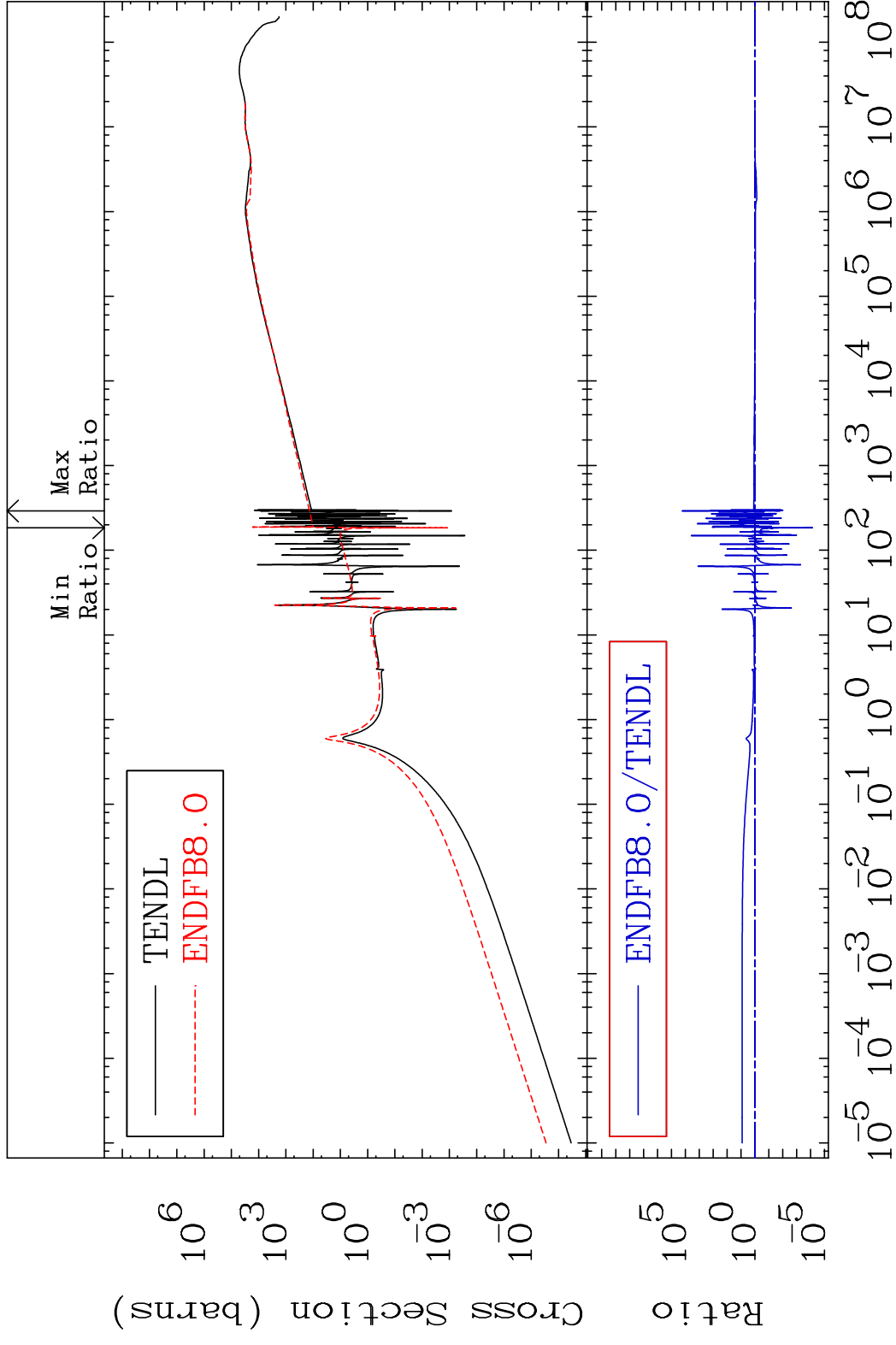


MAT 7025 Kerma total (eV-barns) 70-Yb-168
 Cross Section -9999. To 152.2 %

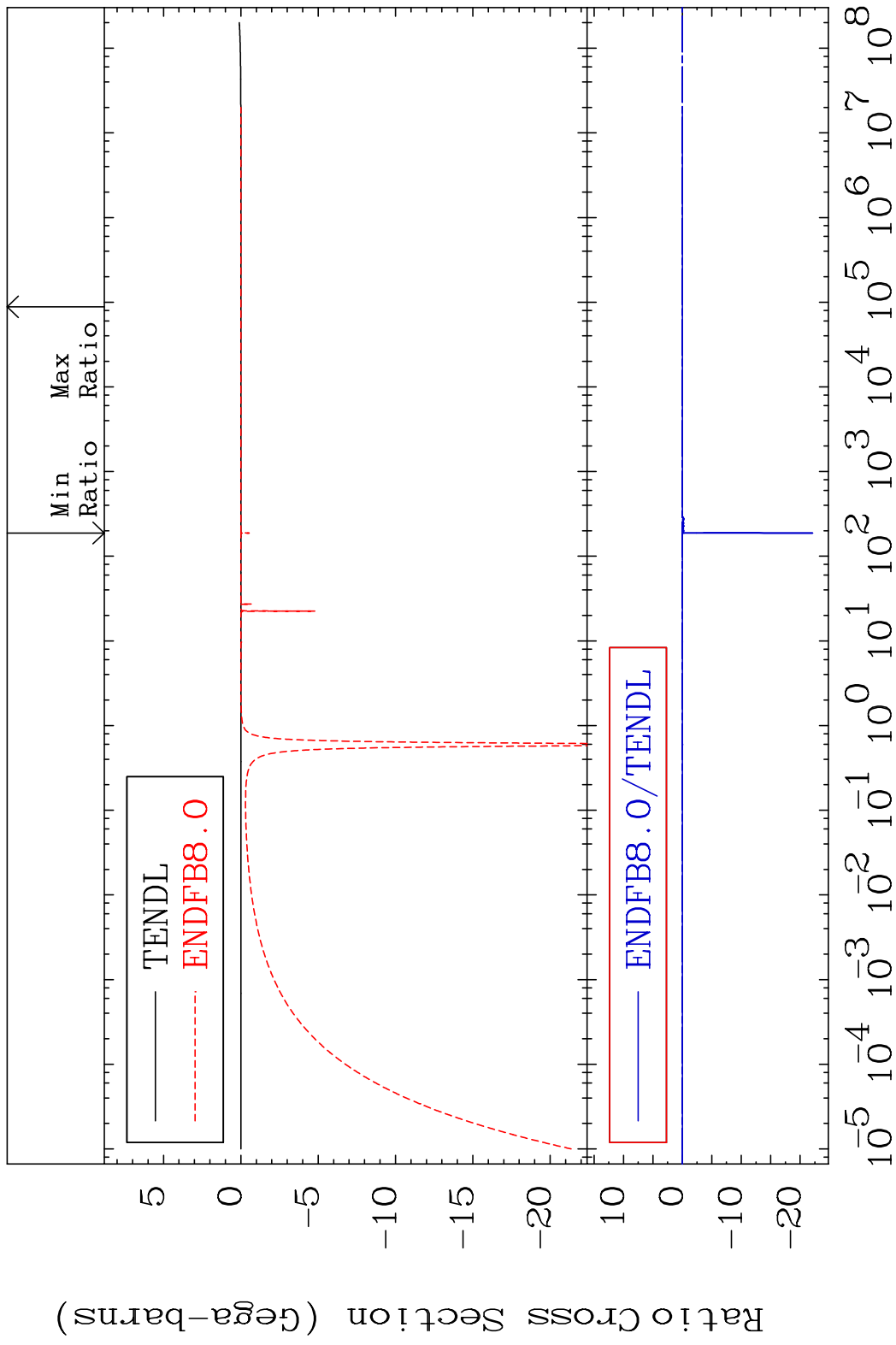


MAT 7025

Kerma elastic Cross Section -99.99 To 9999. %
70-Yb-168

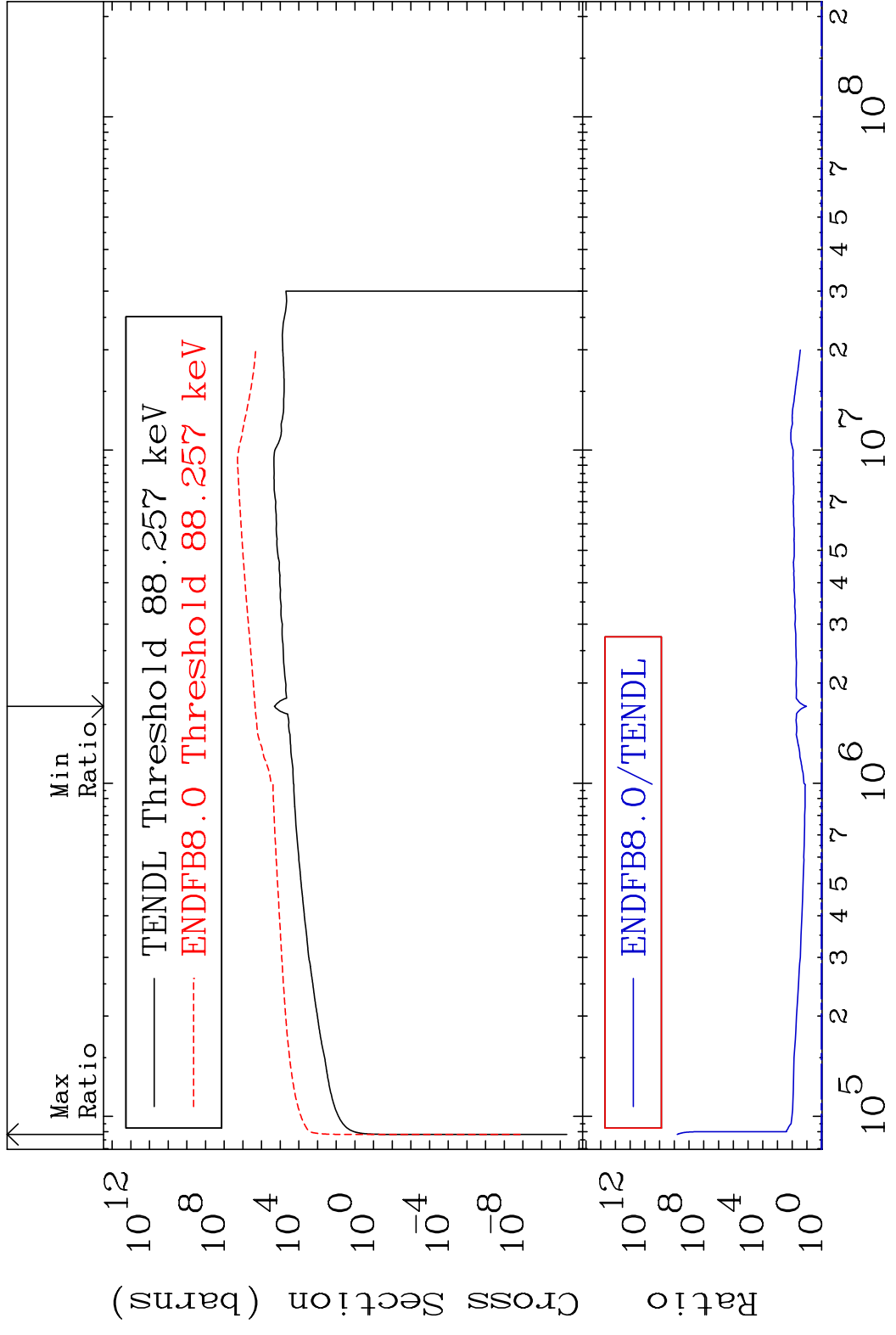


MAT 7025 Kerma non-elastic (all but mt2) 70-Yb-168
 Cross Section -9999. To 9999. %

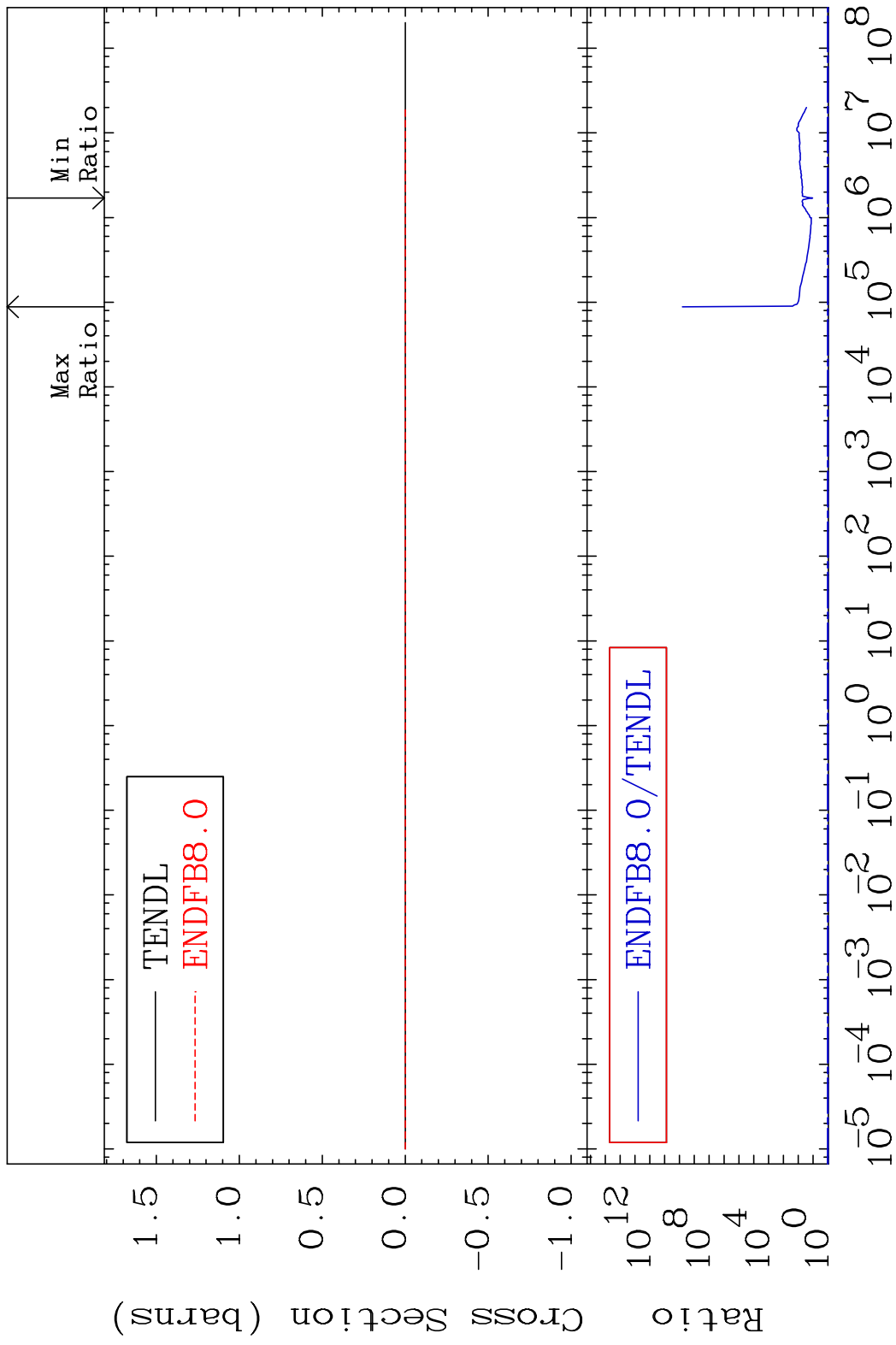


37 Incident Energy (eV) 70-Yb-168

MAT 7025 Kerma inelastic (mt51-91) 70-Yb-168
 Cross Section 986.2 To 9999. %

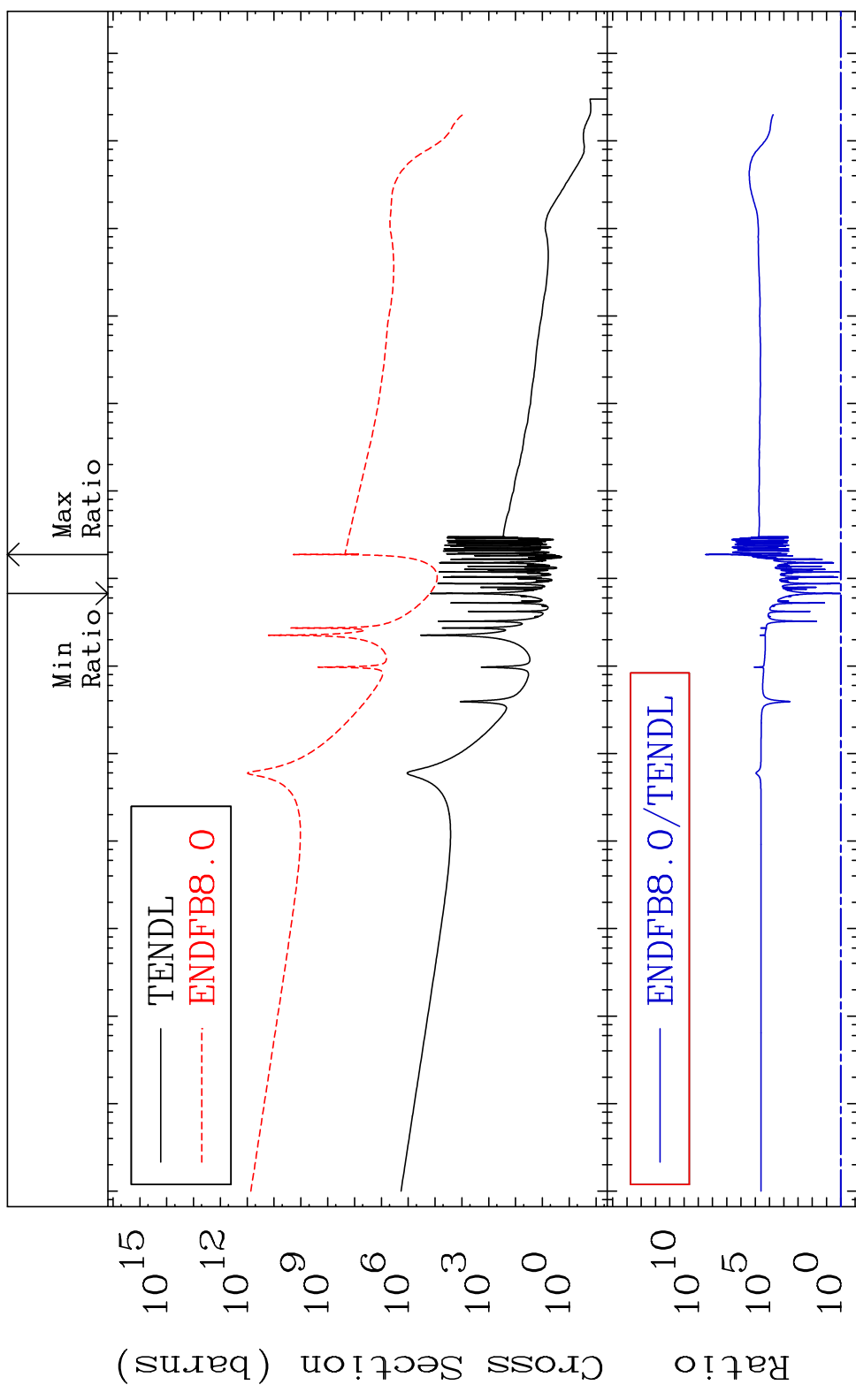


MAT 7025 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-168
 Cross Section 986.2 To 9999. %



MAT 7025

Kerma capture (mt102) 70-Yb-168
Cross Section 6.195 To 9999. %



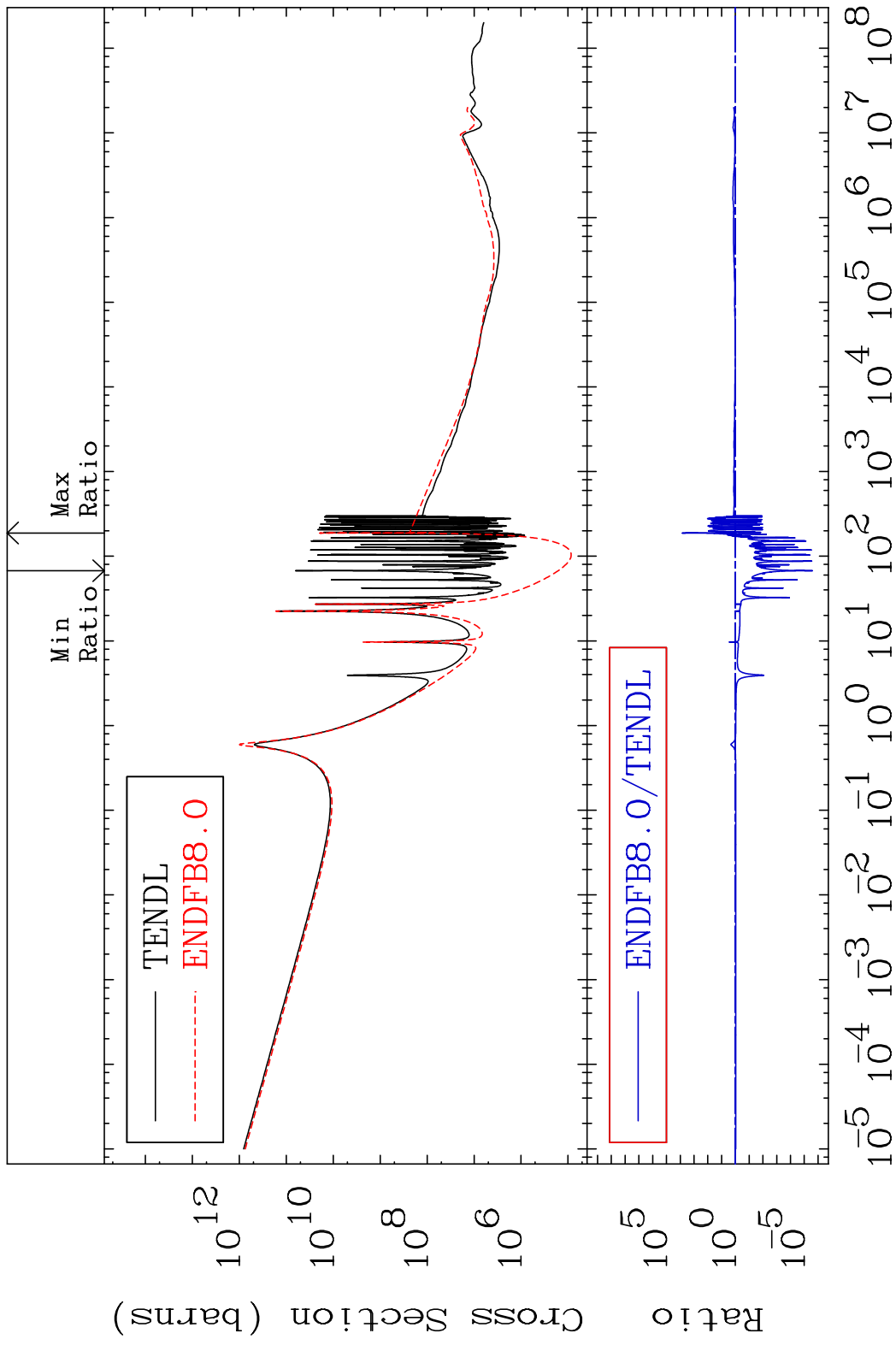
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

40

Incident Energy (eV)

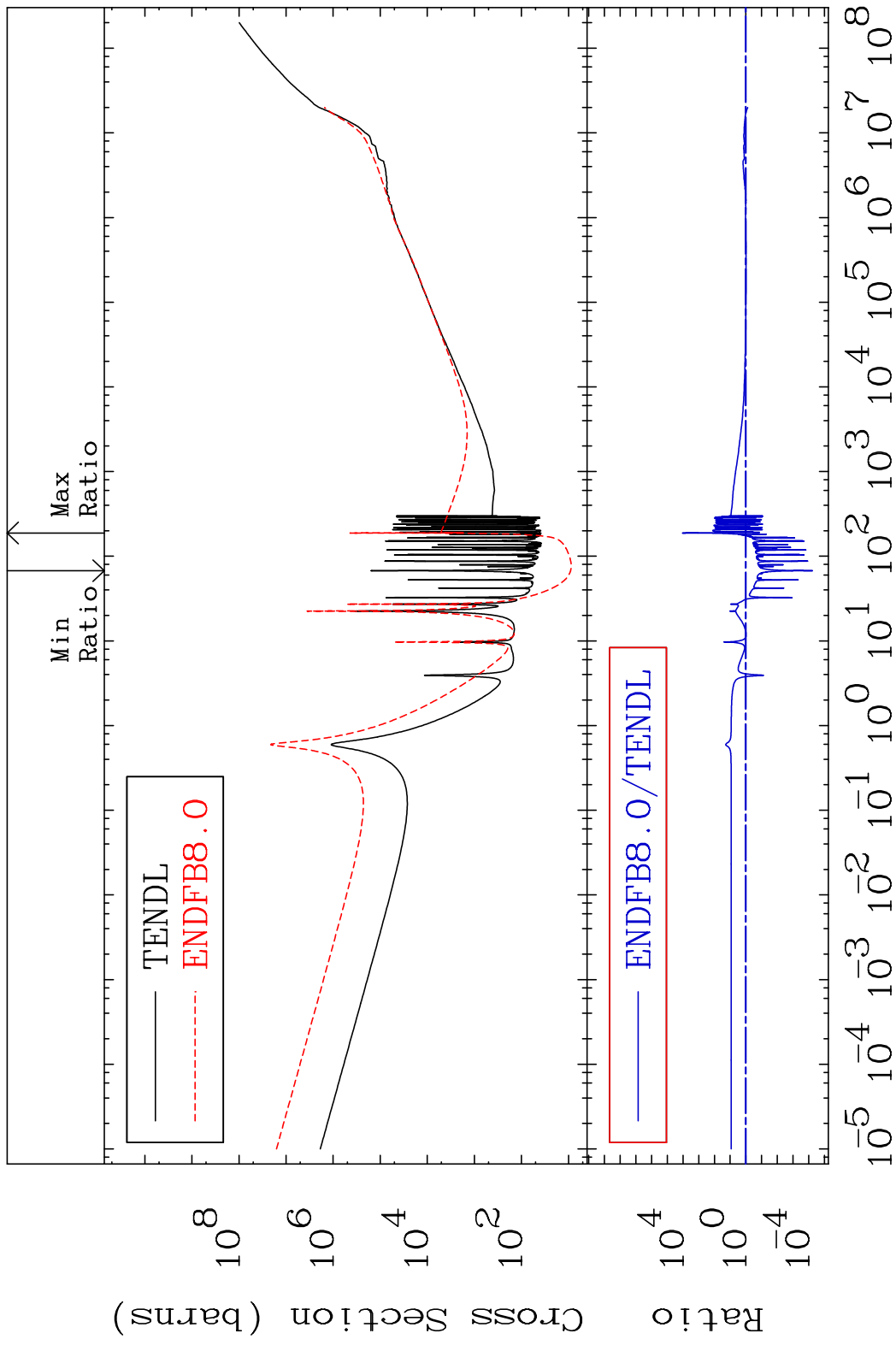
70-Yb-168

MAT 7025 Total photon (eV-barns) 70-Yb-168
Cross Section -100.0 To 9999. %

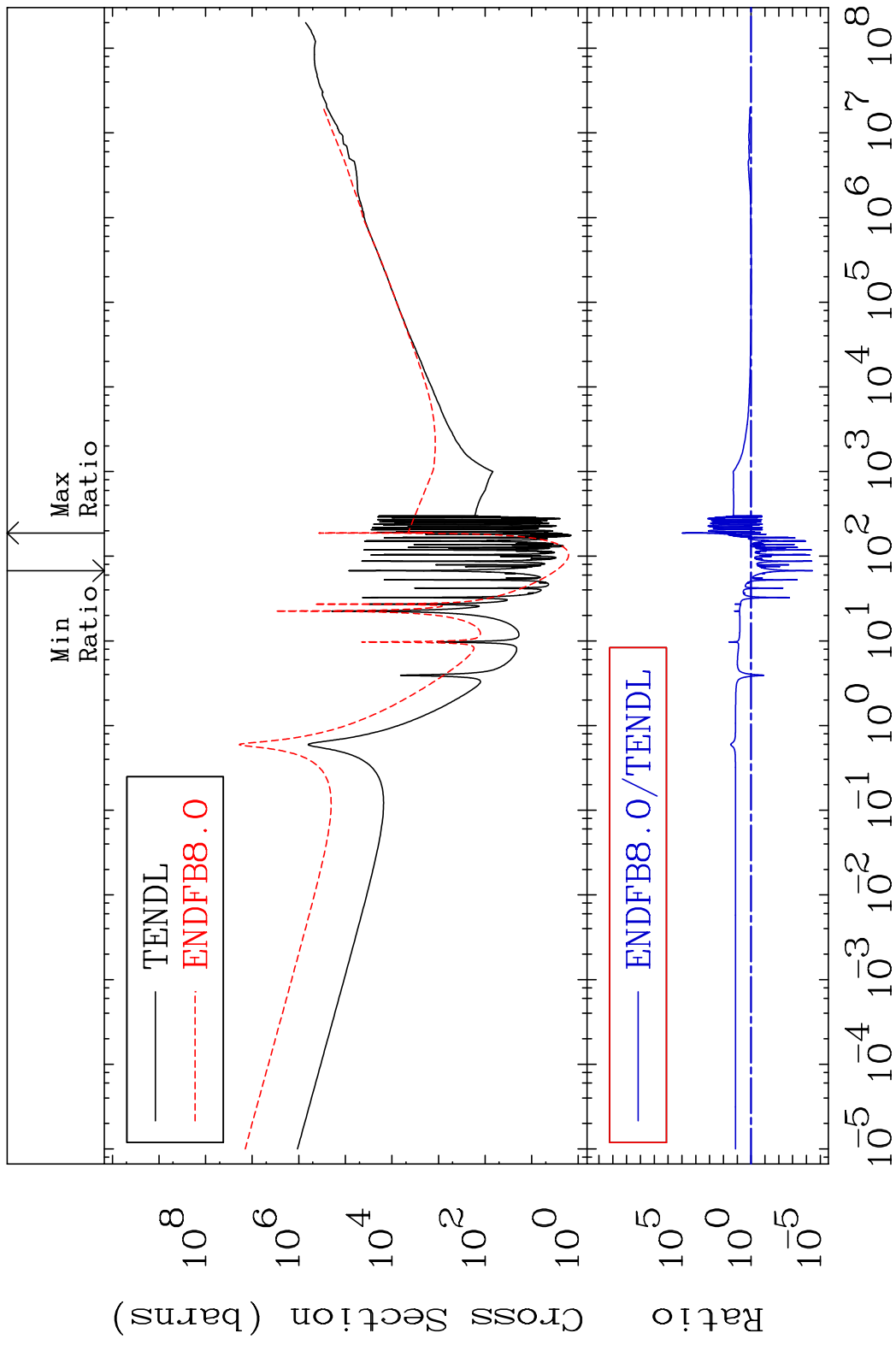


41 70-Yb-168

MAT 7025 Total kinematic kerma (high limit) 70-Yb-168
 Cross Section -99.99 To 9999. %



MAT 7025 Dpa total (eV-barns) 70-Yb-168
 Cross Section -100.0 To 9999. %



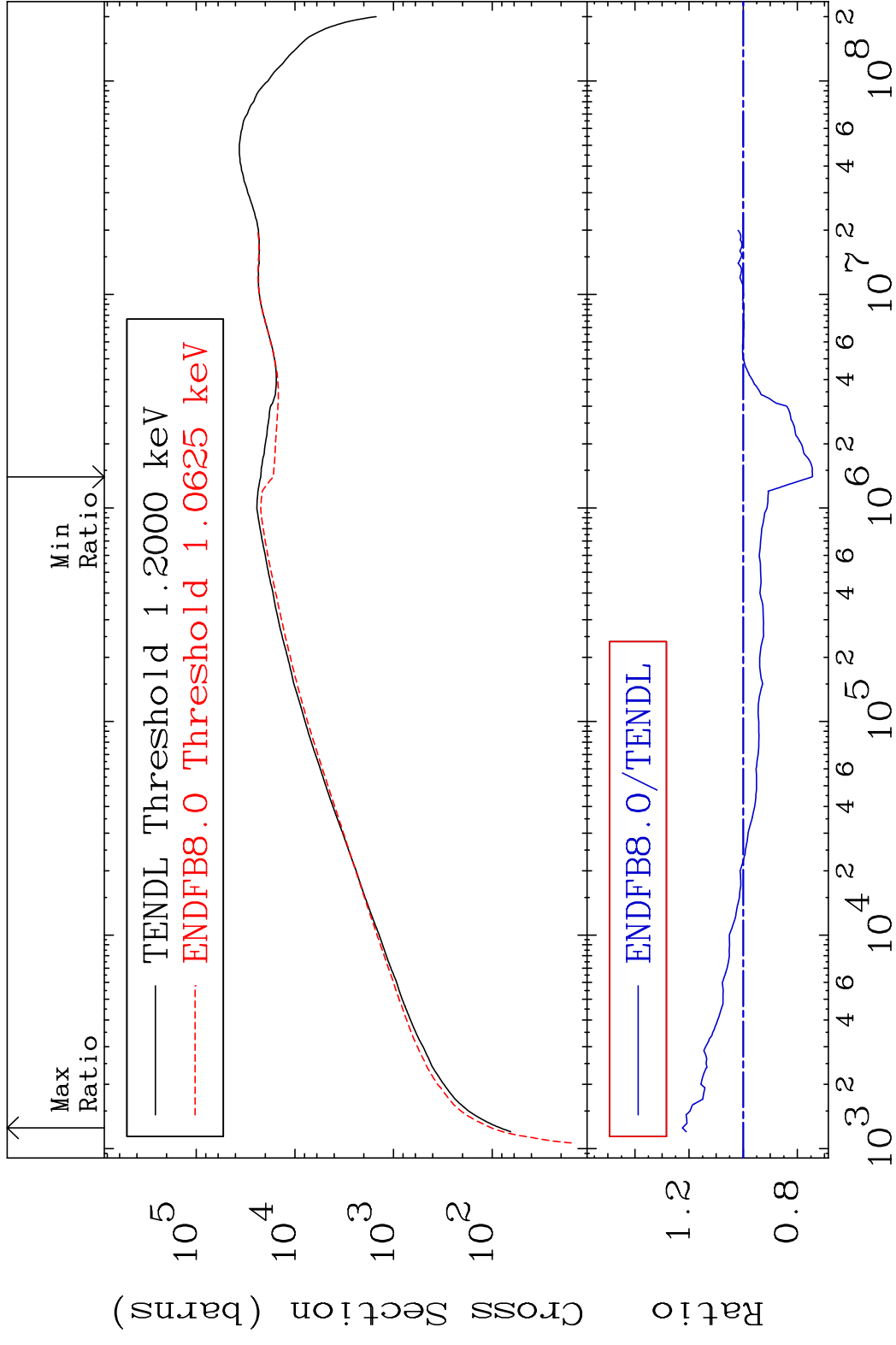
MAT 7025

Dpa elastic (mt2)

70-Yb-168

Cross Section

-25.61 To 22.48 %



44

Incident Energy (eV)

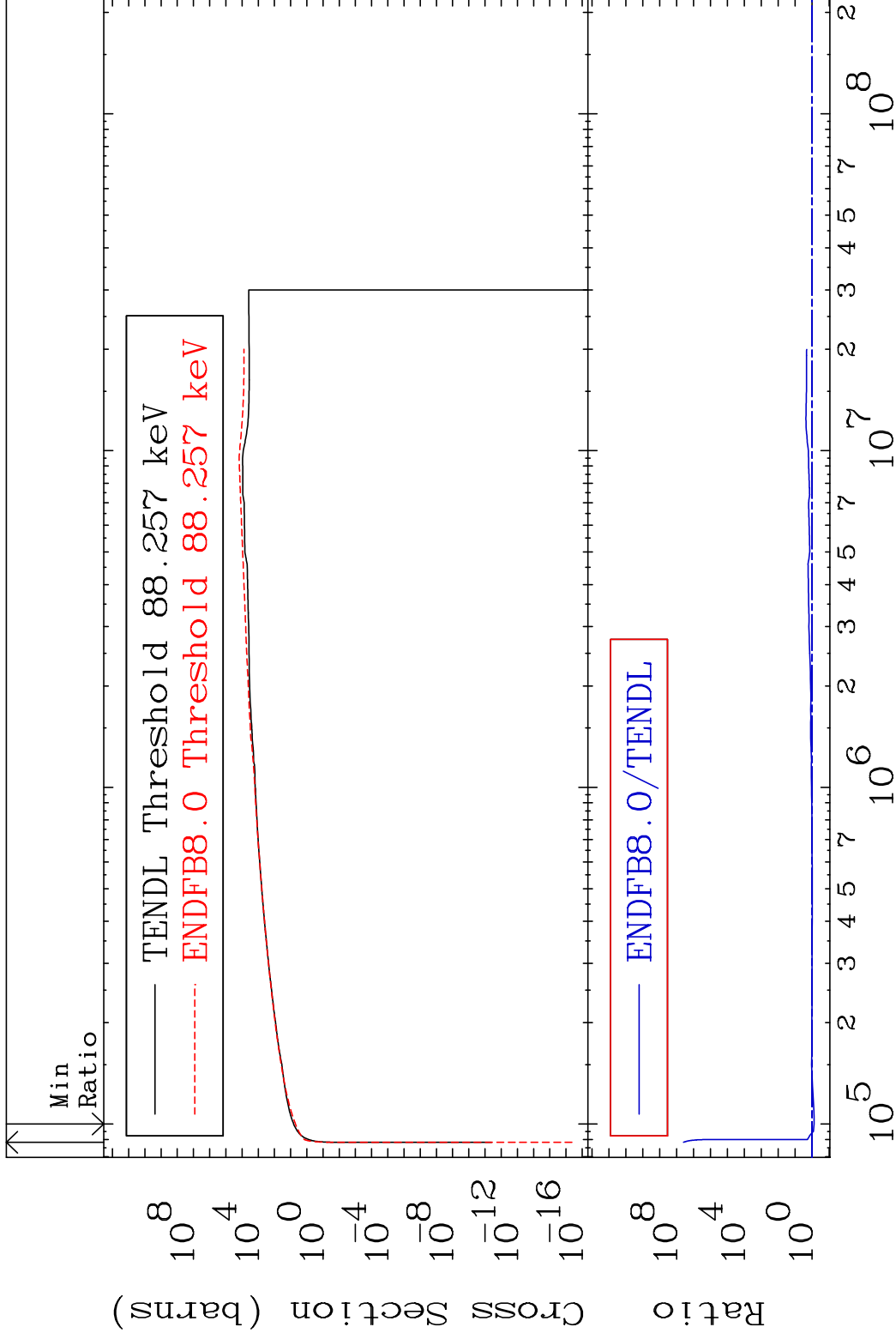
70-Yb-168

MAT 7025

Dpa inelastic (mt51-91)

70-Yb-168

Cross Section -22.75 To 9999. %



45

Incident Energy (eV)

70-Yb-168

MAT 7025 Dpa disappearance (mt102 -120) 70-Yb-168
 Cross Section -100.0 To 9999. %

