

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

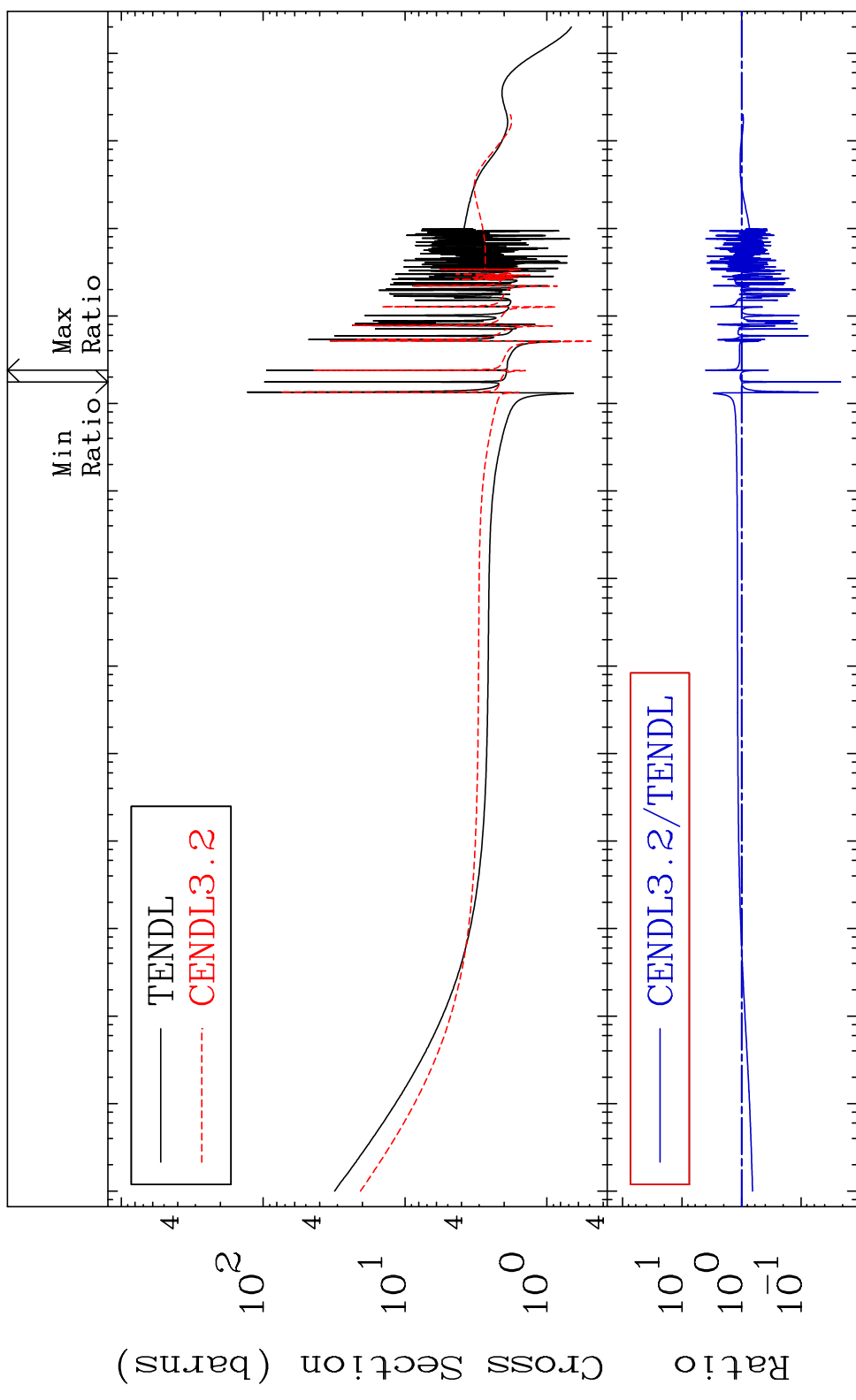
Press Mouse Button to Start

MAT 1628

Total

16-S -33

Cross Section -97.82 To 300.0 %



1

Incident Energy (eV)

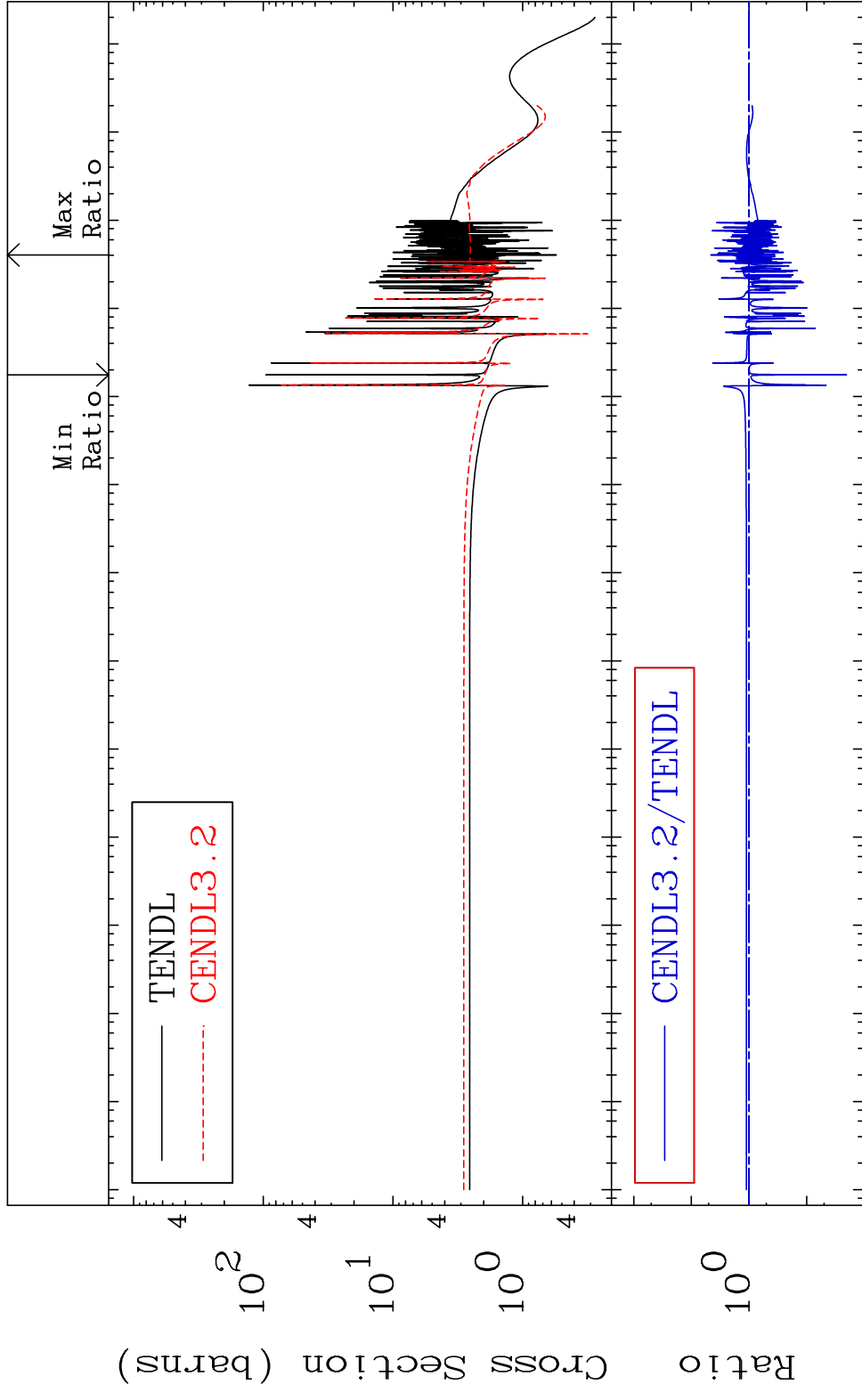
16-S -33

MAT 1628

Elastic

16-S -33

Cross Section -97.95 To 361.4 %

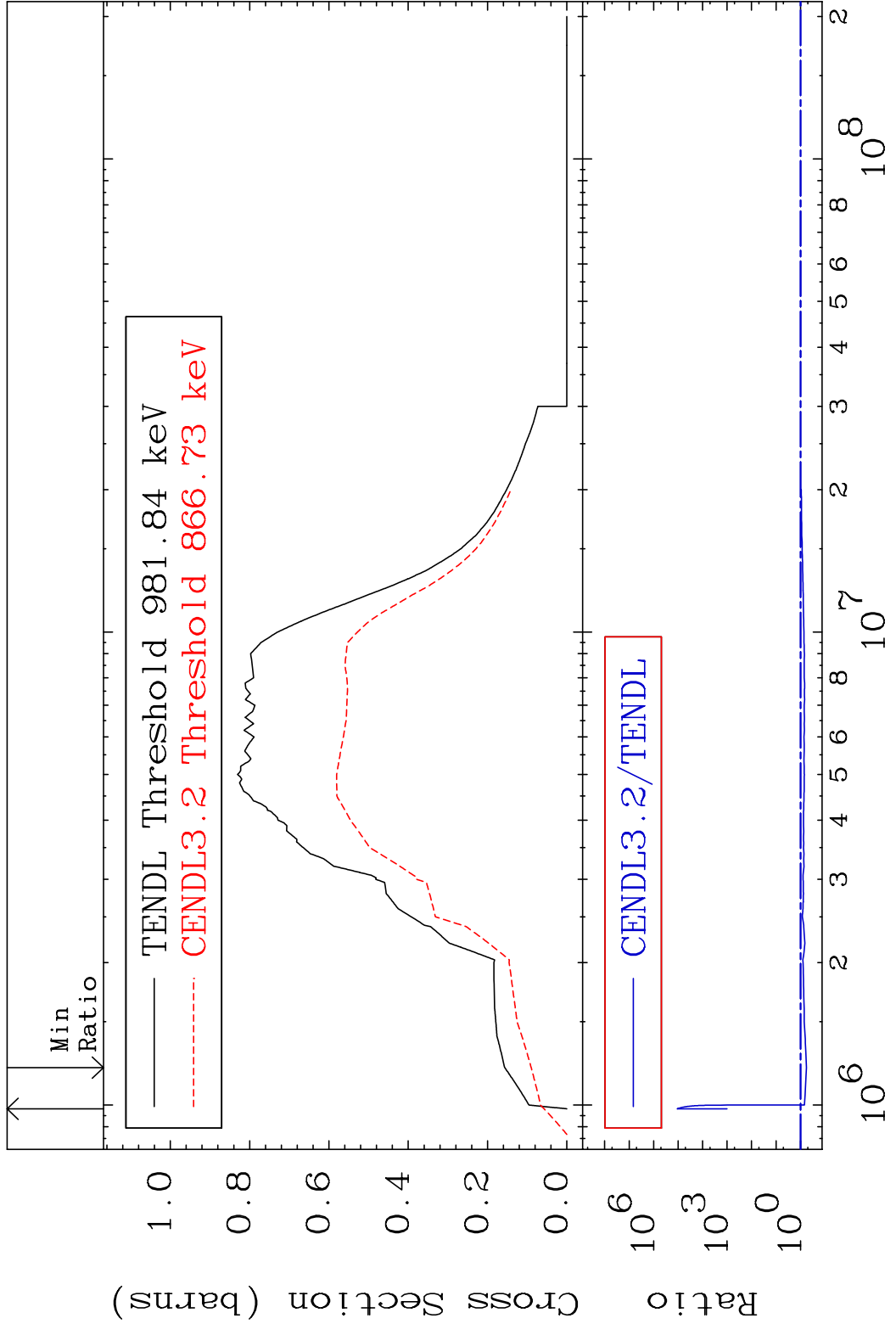


2

Incident Energy (eV)

16-S -33

MAT 1628 Inelastic 16-S -33
 Cross Section -42.58 To 9999. %



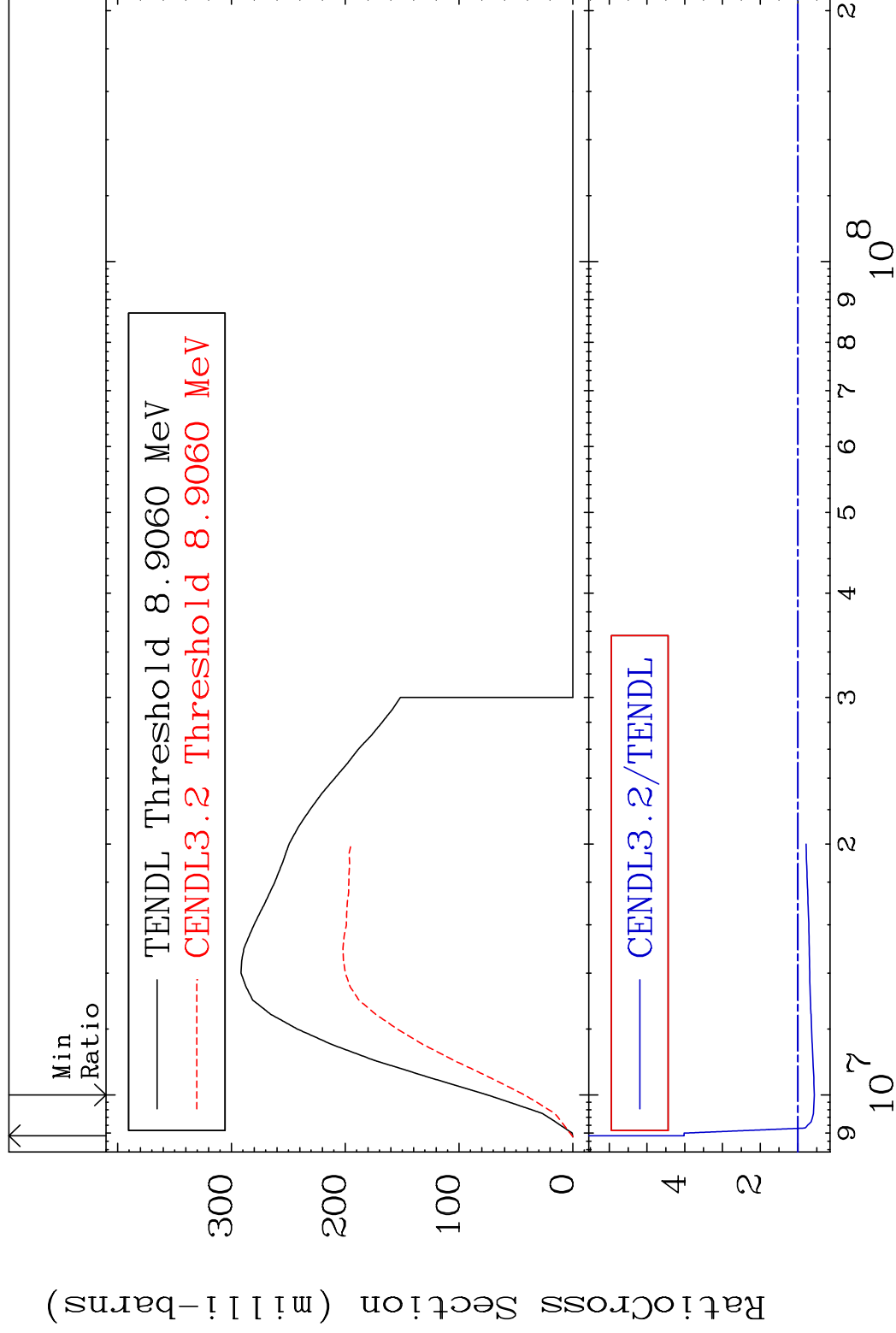
3 Incident Energy (eV) 16-S -33

MAT 1628

(n,2n)

16-S -33

Cross Section -43.36 To 301.7 %

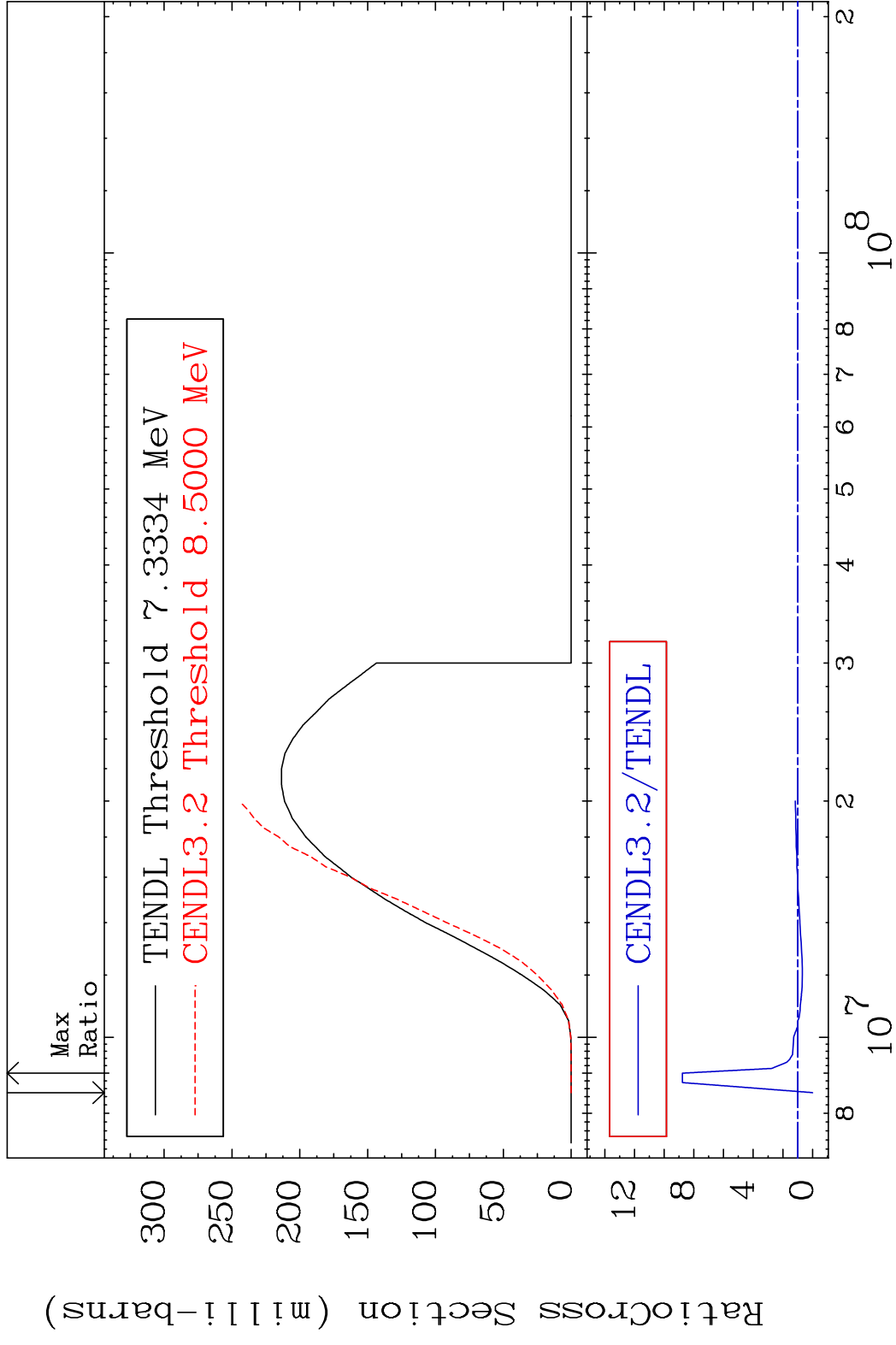


4

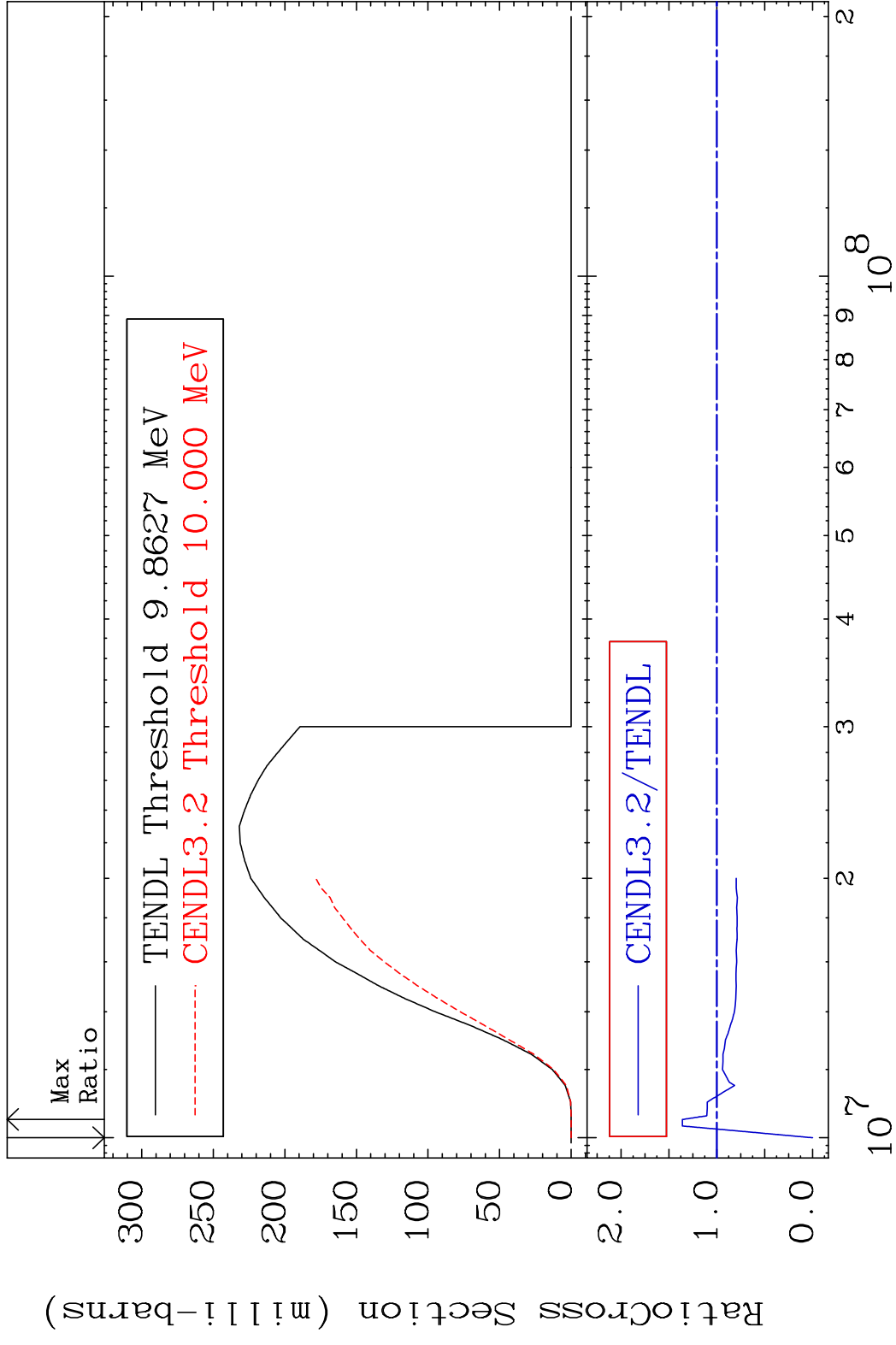
Incident Energy (eV)

16-S -33

MAT 1628 (n, n') α 16-S -33
 Cross Section -100.0 To 777.2 %

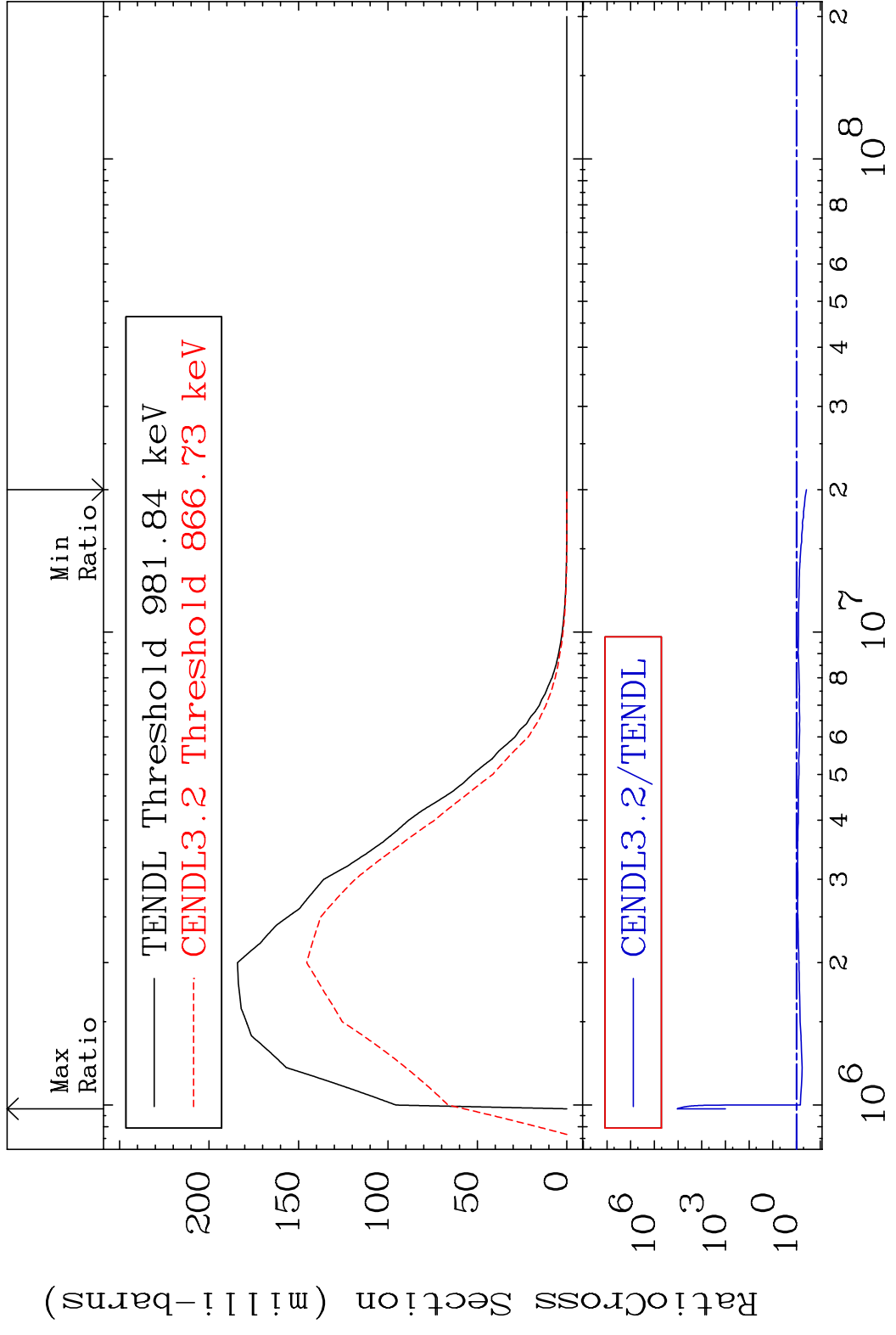


MAT 1628 (n, n') p 16-S -33
 Cross Section -100.0 To 35.98 %

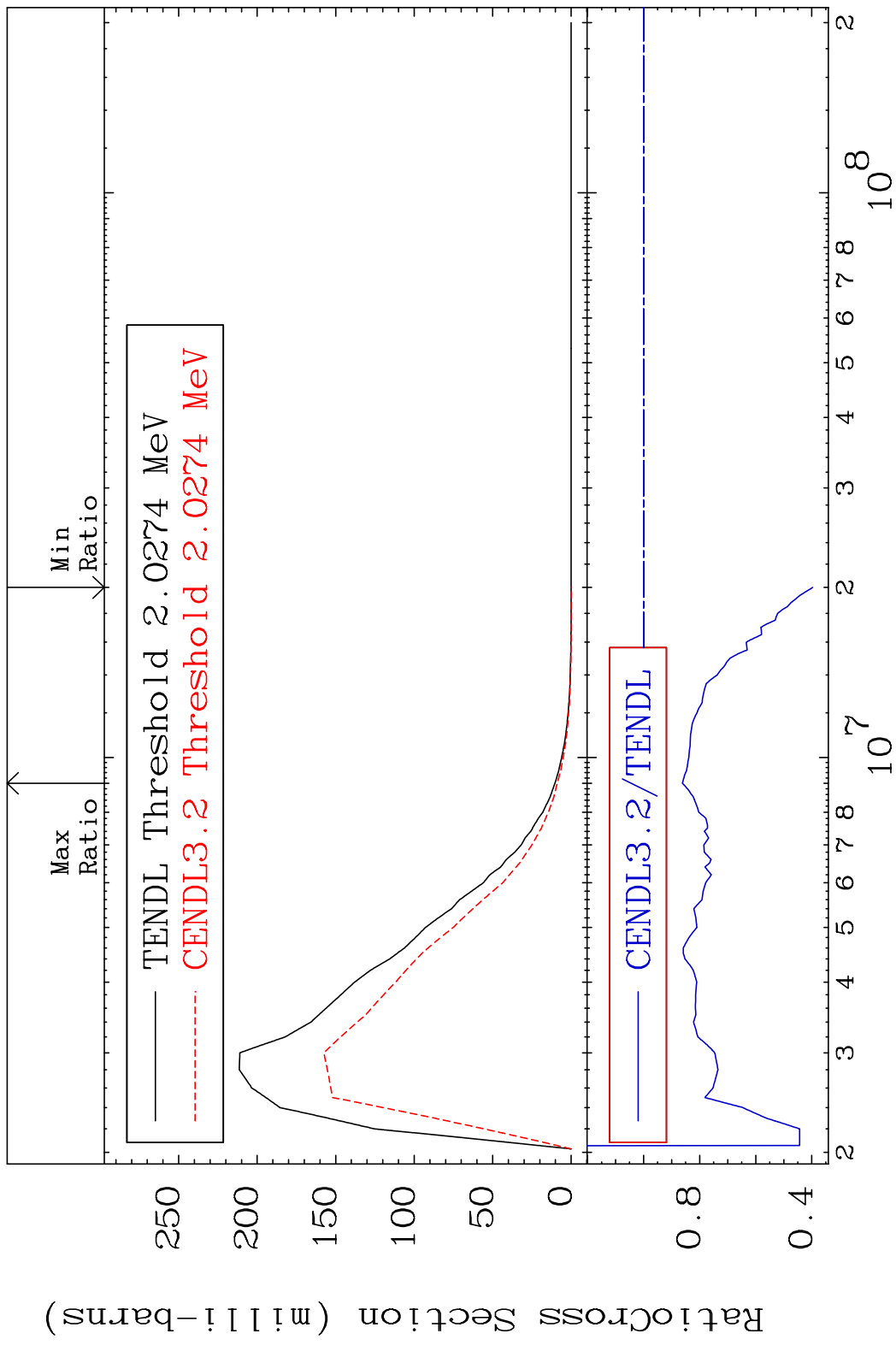


6 Incident Energy (eV) 16-S -33

MAT 1628 MT= 51 (n, n') Level 16-S -33
 Cross Section -61.86 To 9999. %

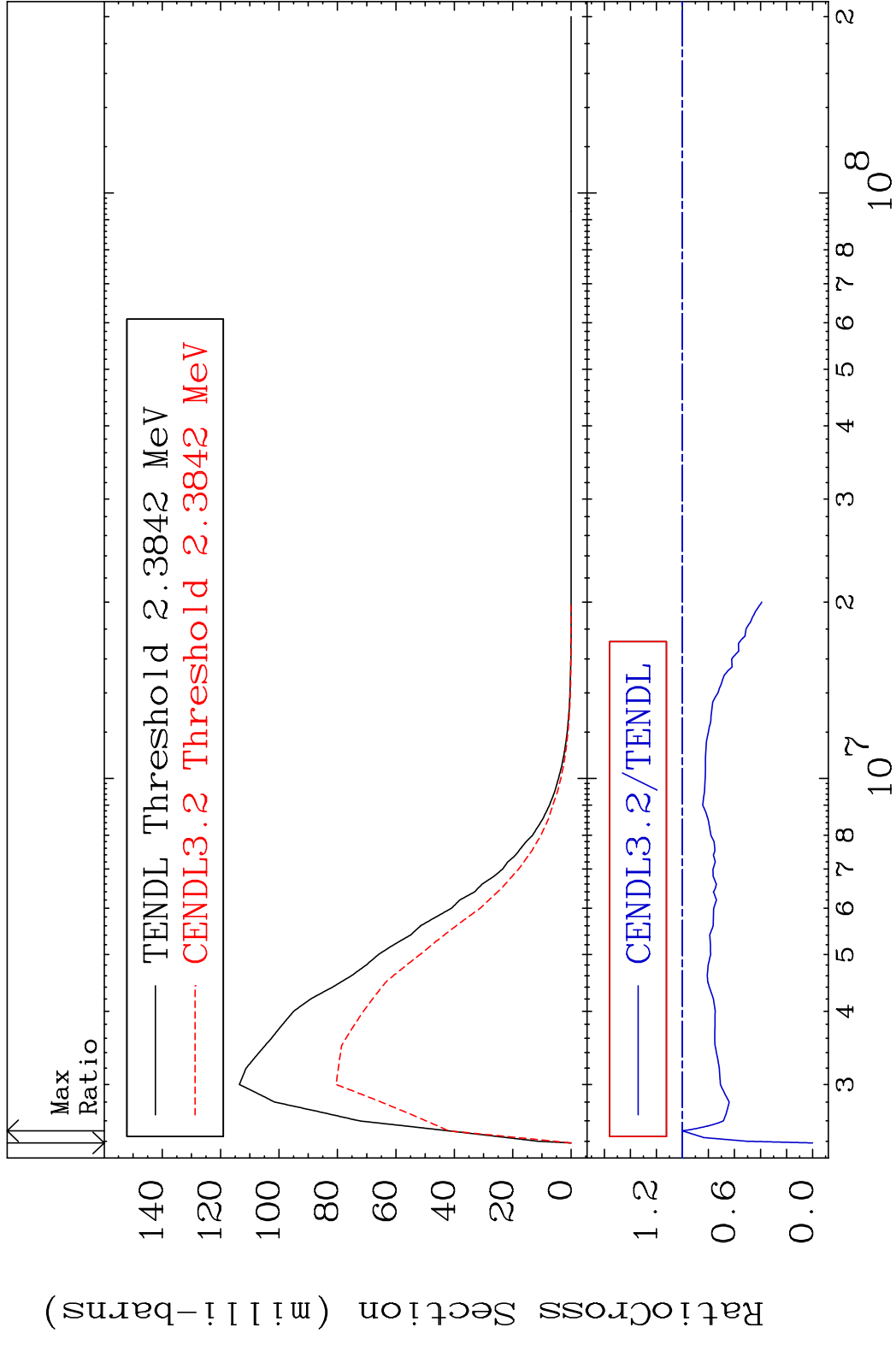


MAT 1628 MT= 52 (n, n') Level 16-S -33
 Cross Section -60.27 To -13.82%

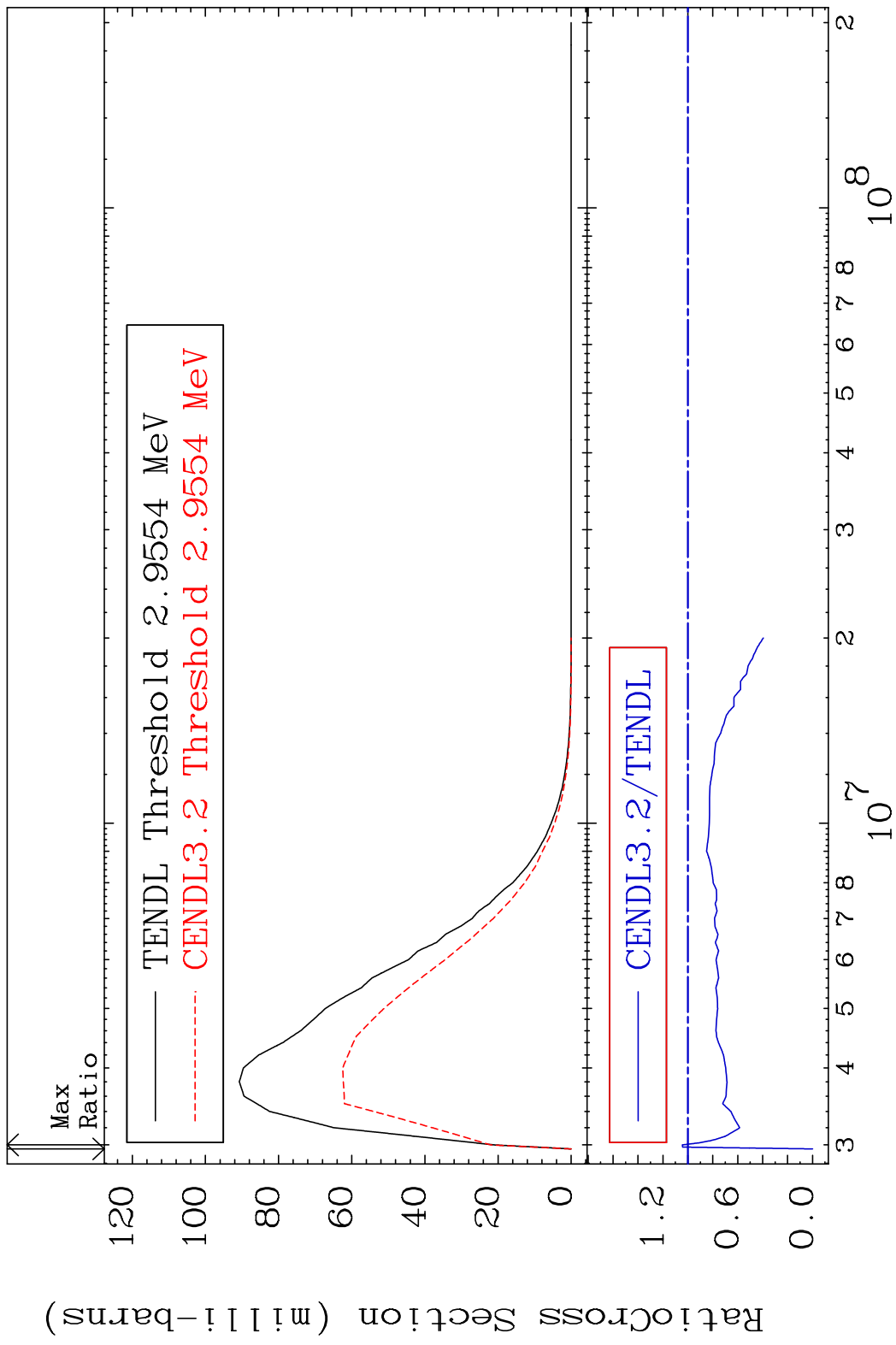


8 Incident Energy (eV) 16-S -33

MAT 1628 MT= 53 (n,n') Level 16-S -33
 Cross Section -100.0 To 0.079 %

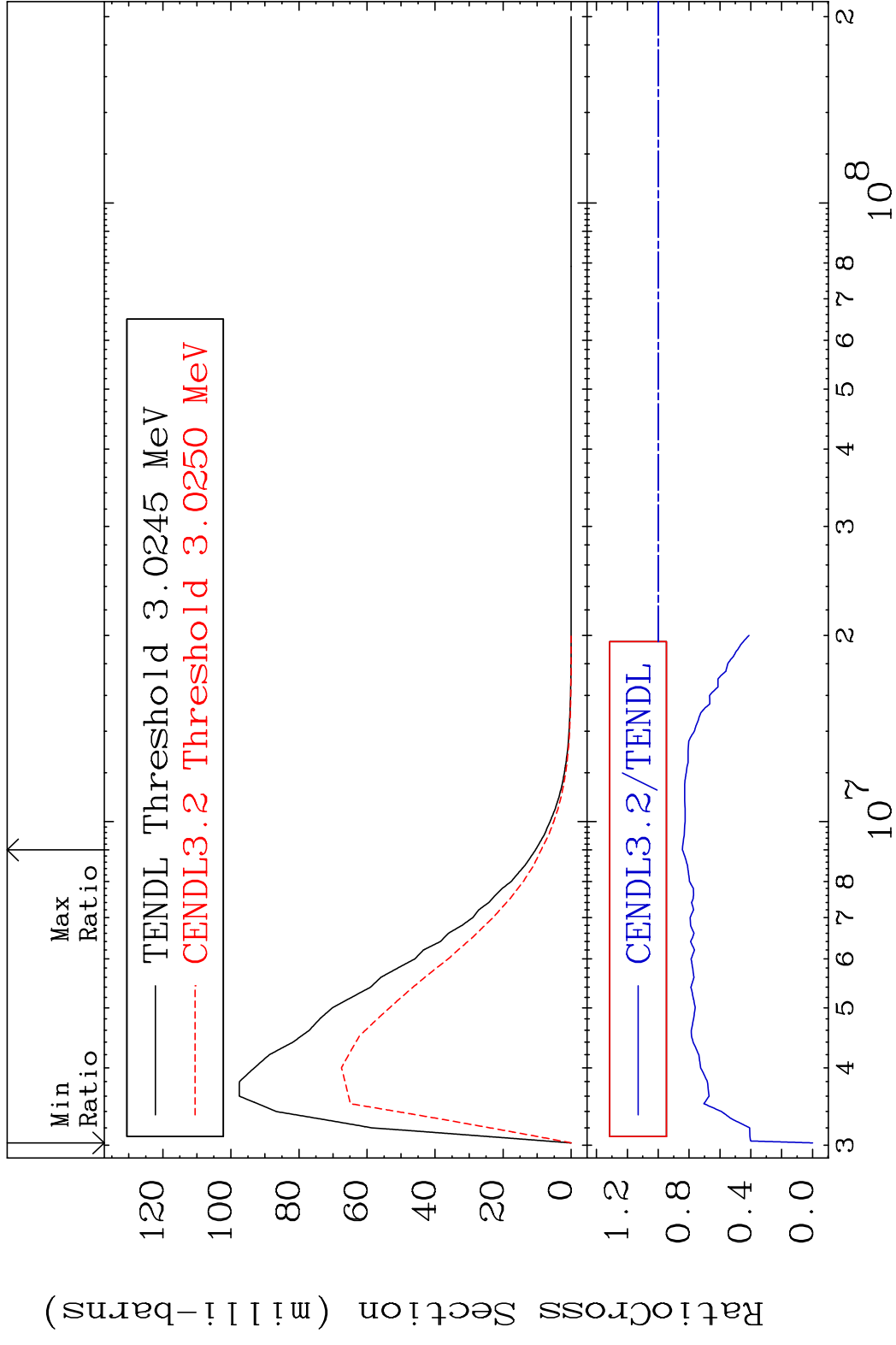


MAT 1628 MT= 54 (n,n') Level 16-S -33
 Cross Section -100.0 To 4.438 %



10 16-S -33

MAT 1628 MT= 55 (n,n') Level 16-S -33
 Cross Section -100.0 To -15.62%

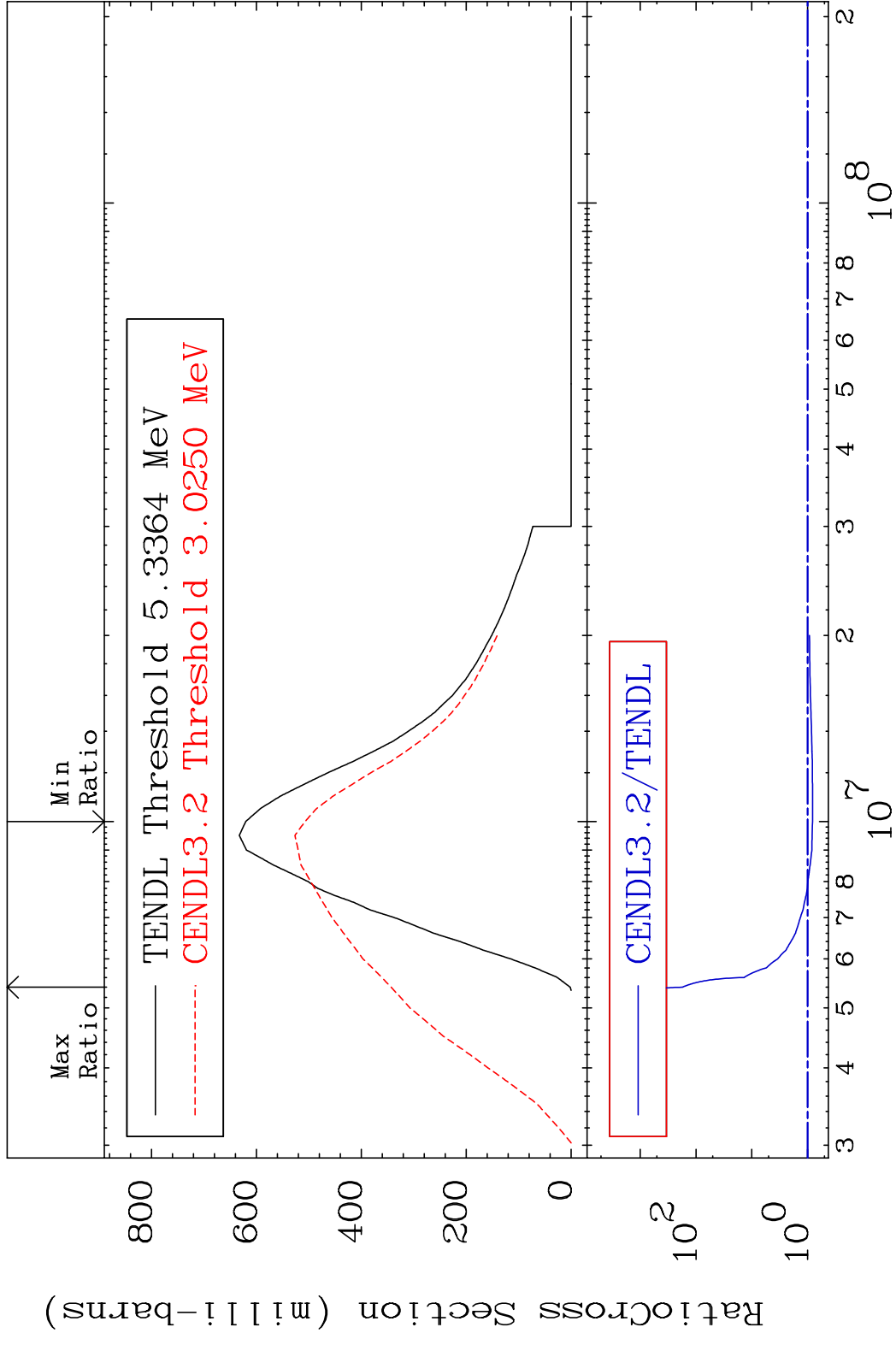


MAT 1628

(n,n') Continuum

16-S -33

Cross Section -18.21 To 9999. %



12

Incident Energy (eV)

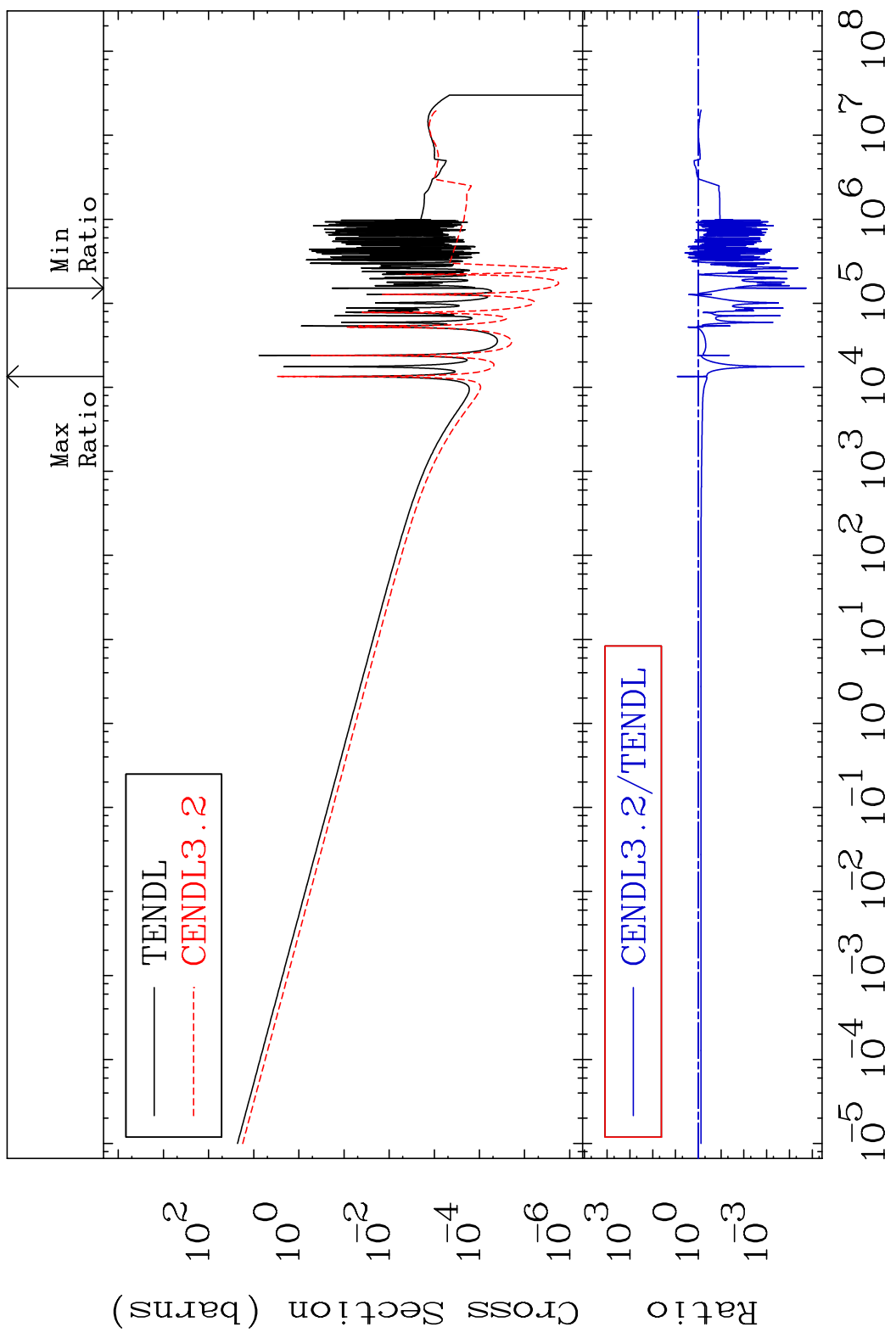
16-S -33

MAT 1628

(n, γ)

16-S -33

Cross Section -100.0 To 742.4 %

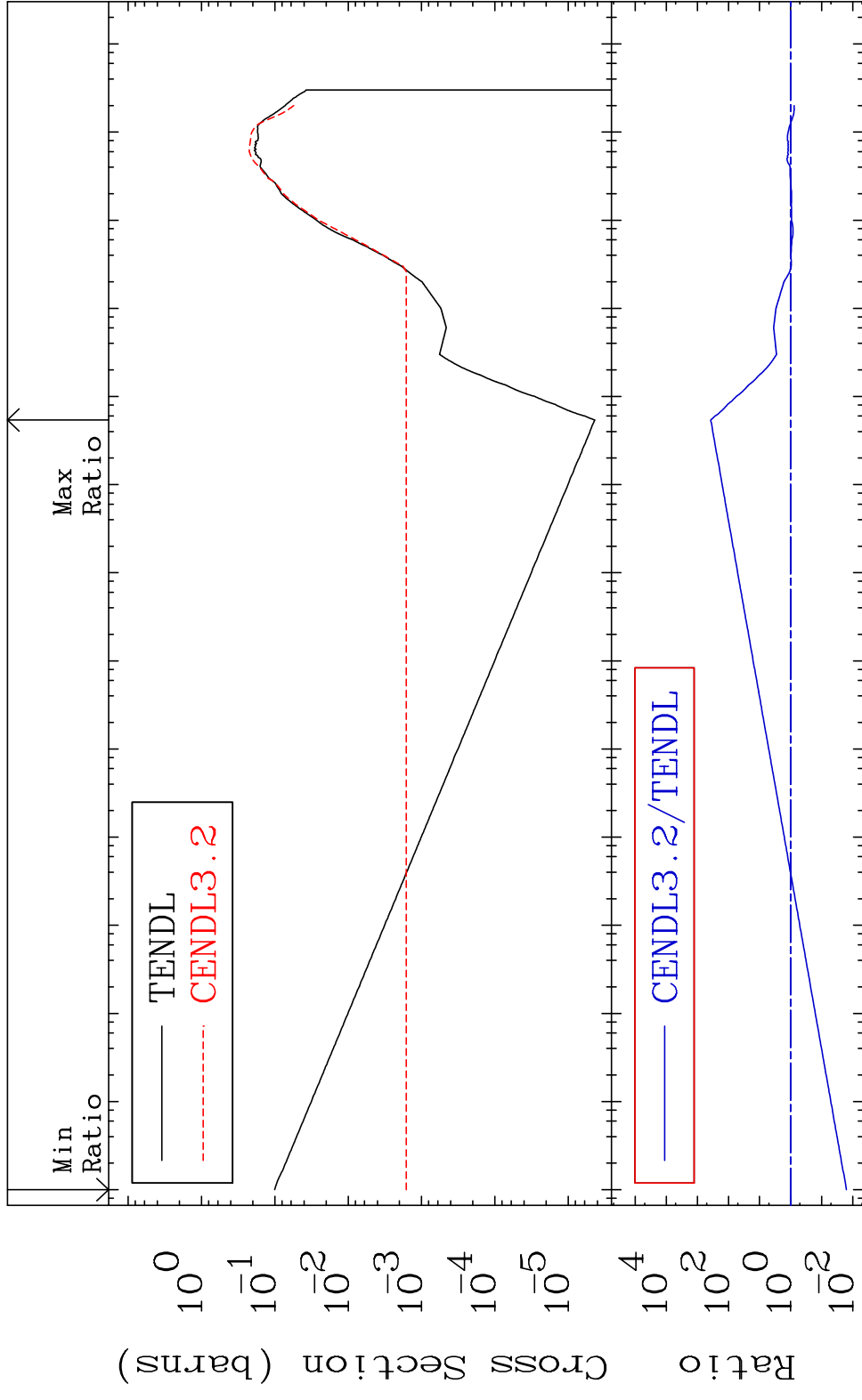


13

Incident Energy (eV)

16-S -33

MAT 1628 (n,p) Cross Section -98.40 To 9999. % 16-S -33



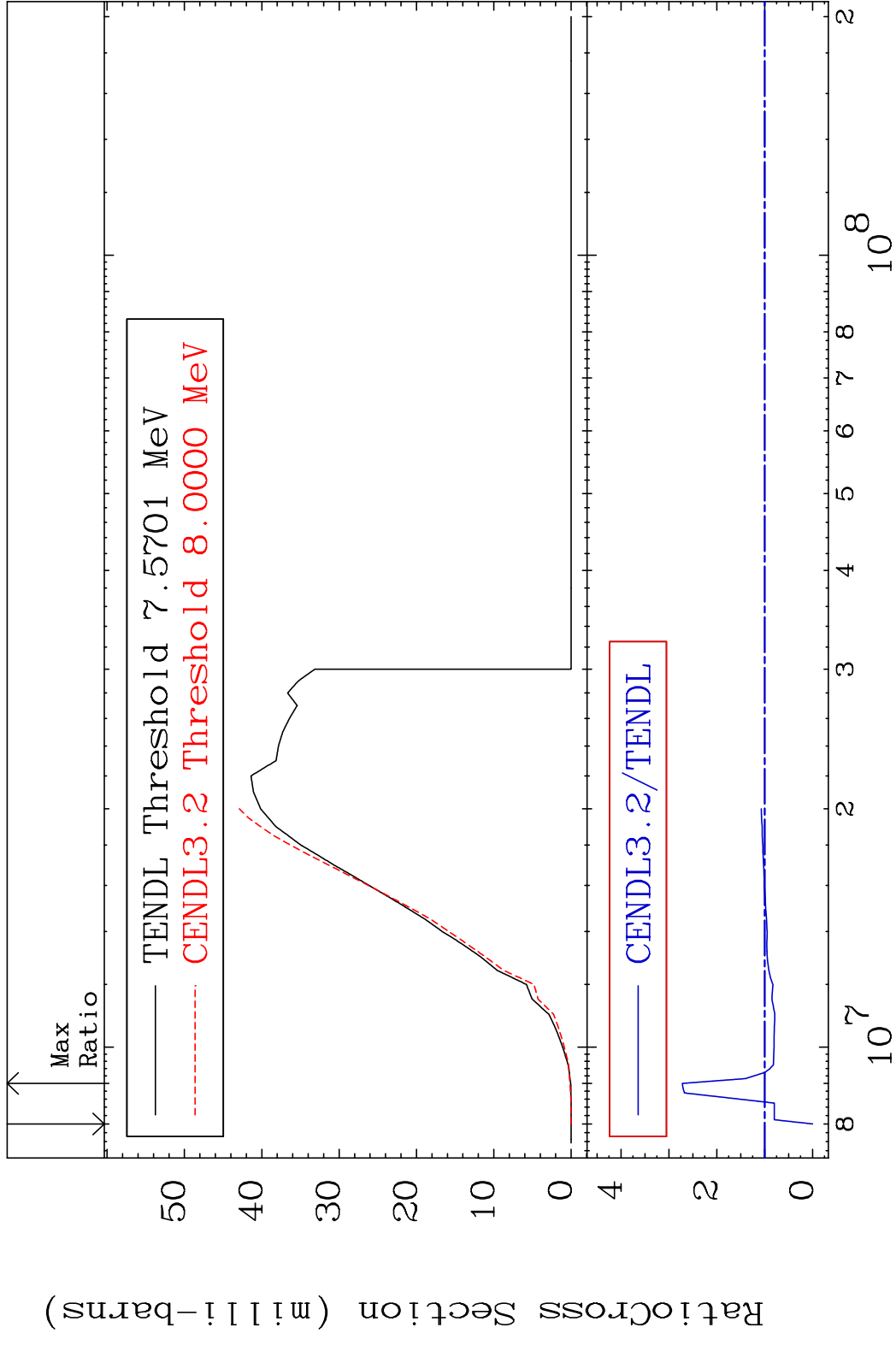
10⁰
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁵
Cross Section (barns)

10⁴
10²
10⁰
10⁻²
Ratio

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV)

14 16-S -33

MAT 1628 (n,d) 16-S -33
Cross Section -100.0 To 171.8 %



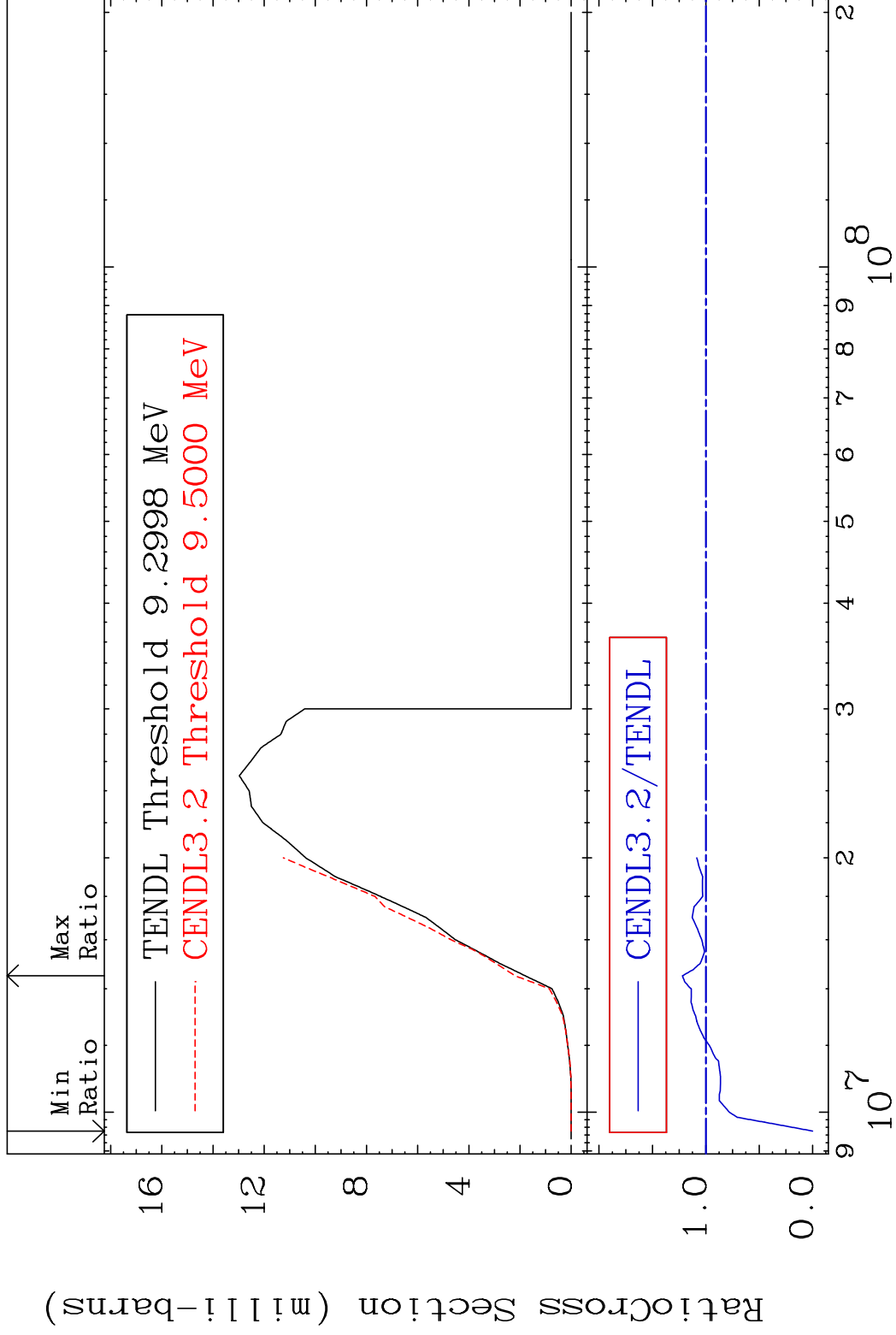
15 16-S -33

MAT 1628

(n, t)

16-S -33

Cross Section -100.0 To 21.96 %

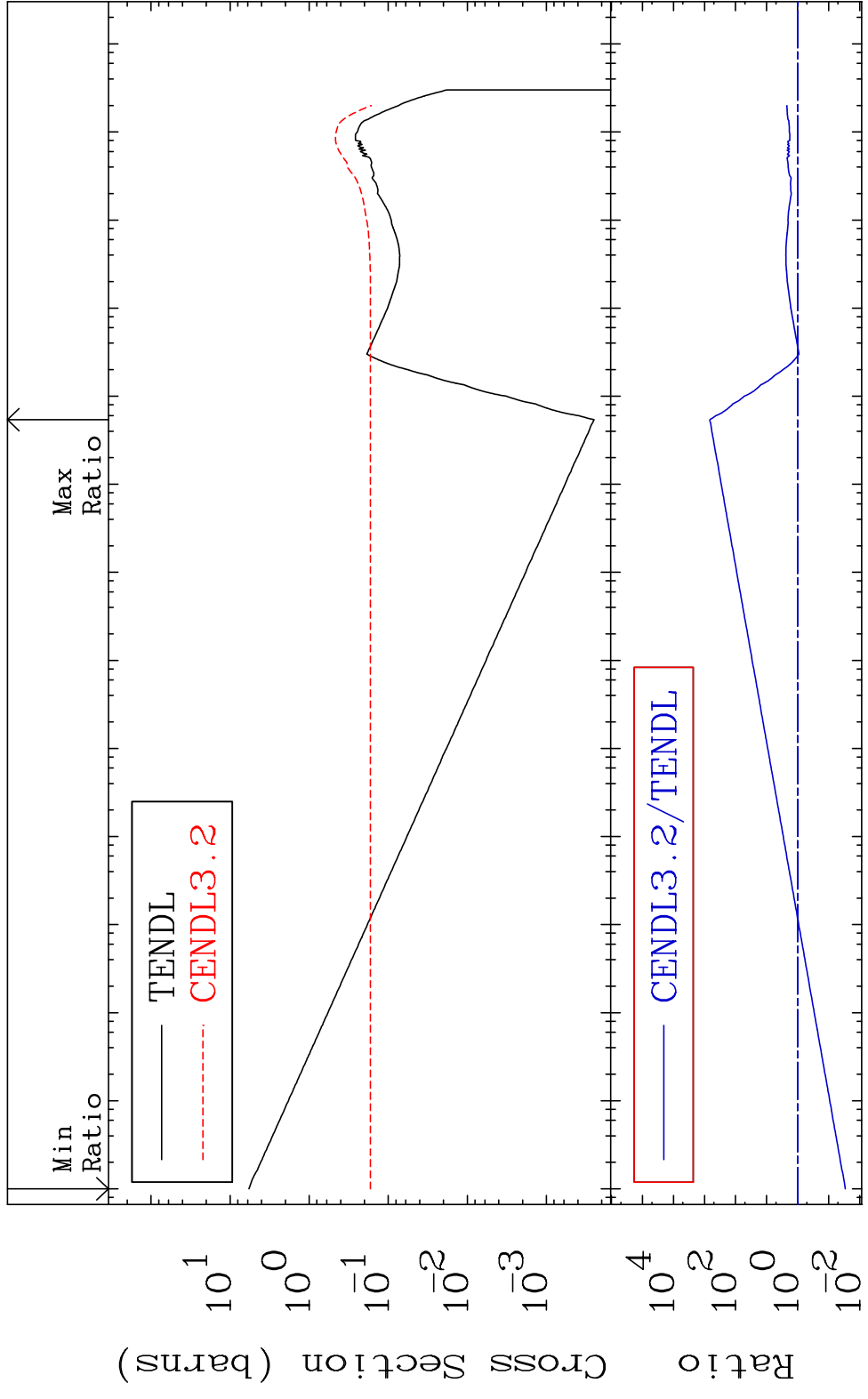


16

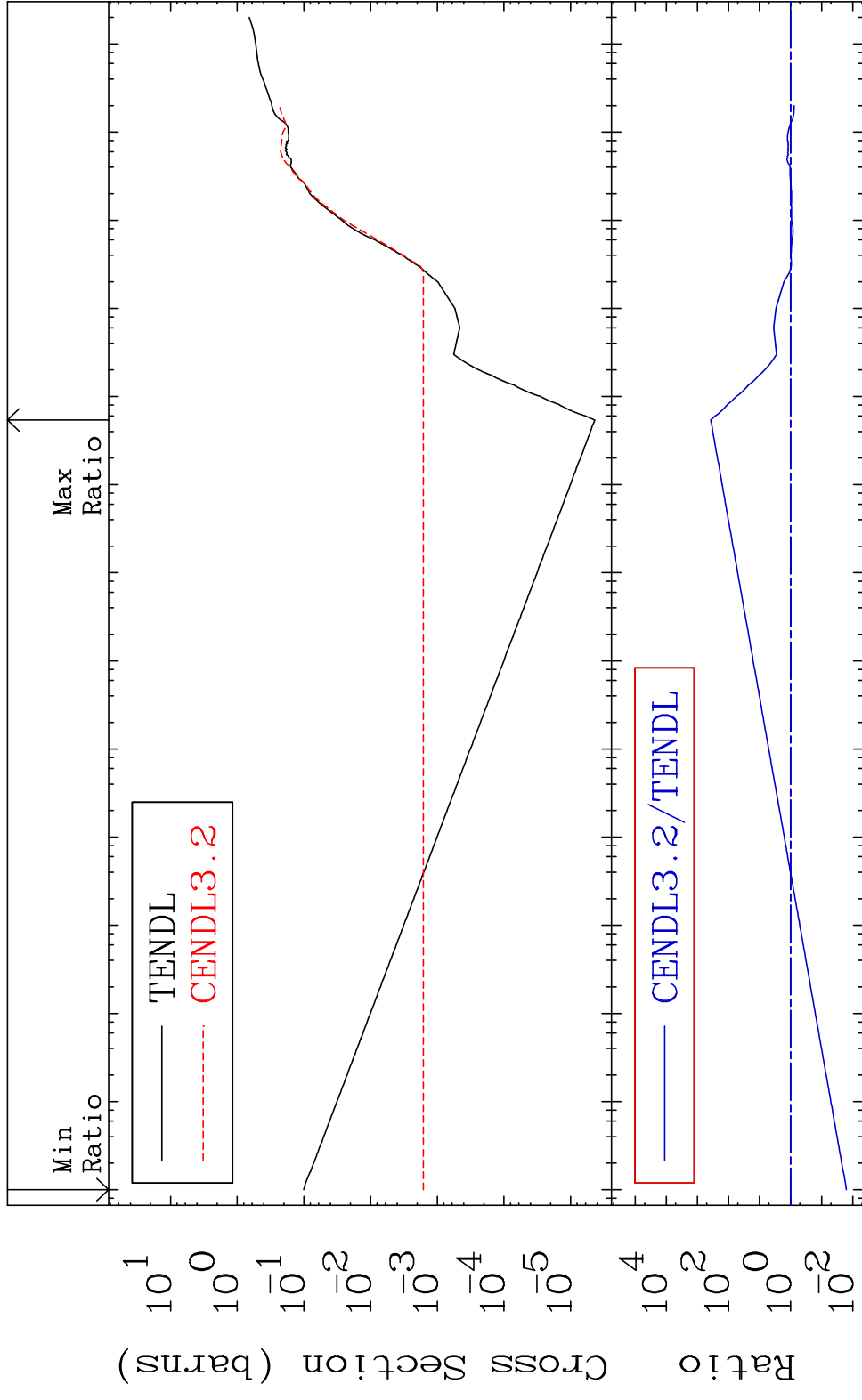
Incident Energy (eV)

16-S -33

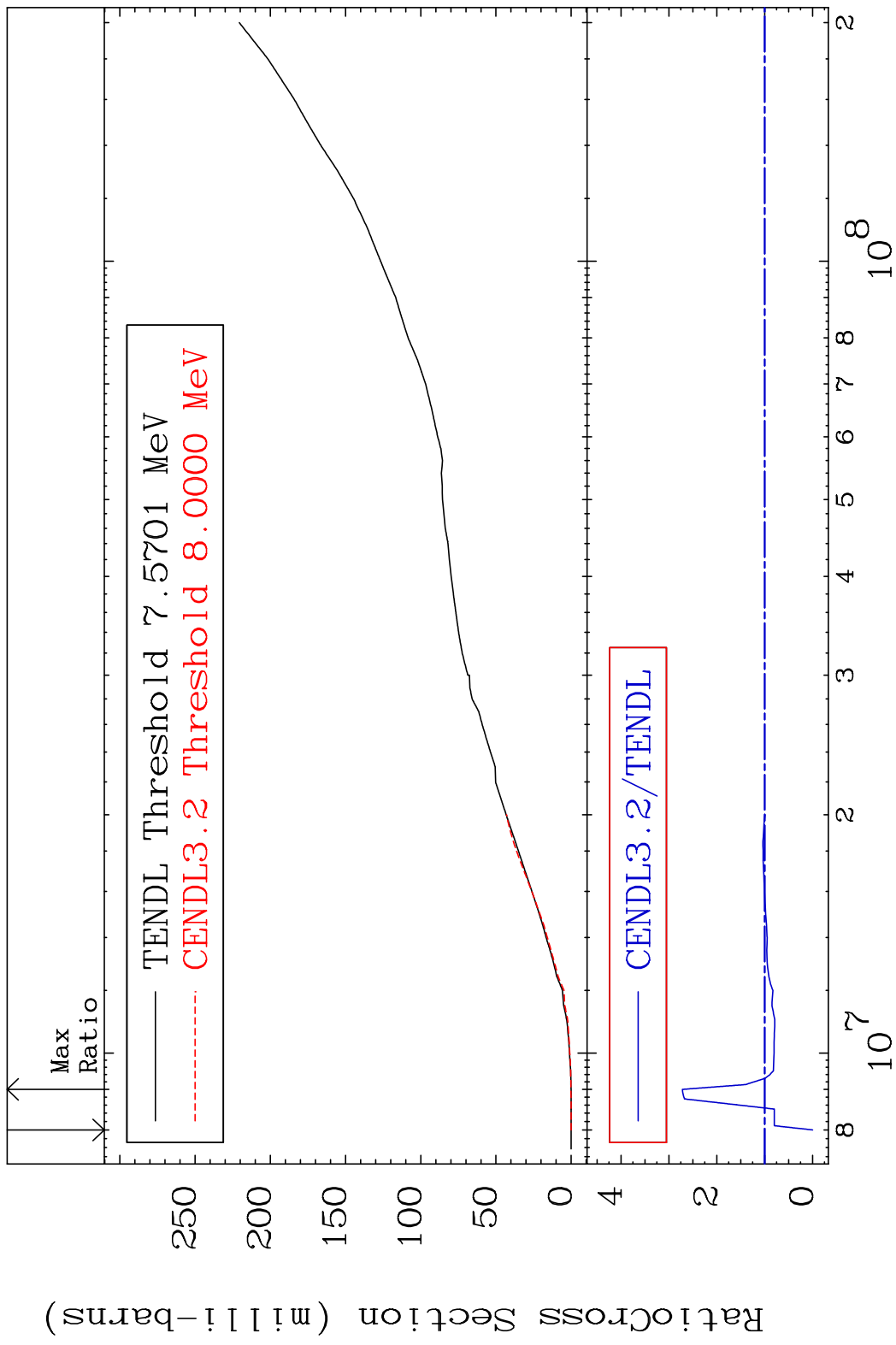
MAT 1628 (n, α) Cross Section -97.08 To 9999. % 16-S -33



MAT 1628 Hydrogen Production Cross Section -98.40 To 9999. % 16-S -33



MAT 1628 Deuterium Production 16-S -33
 Cross Section -100.0 To 171.8 %

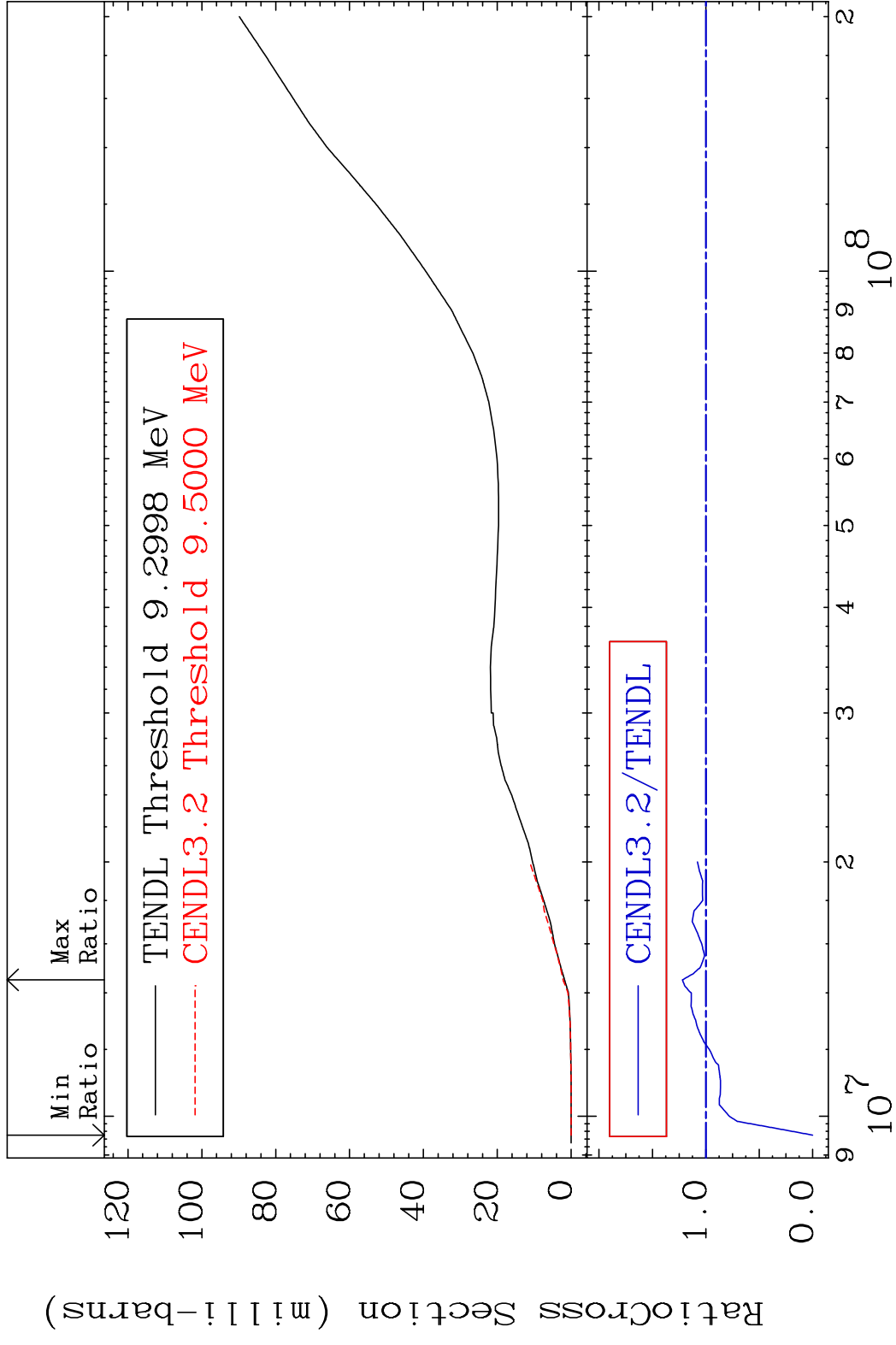


19 16-S -33

MAT 1628

Tritium Production 16-S -33

Cross Section -100.0 To 21.96 %

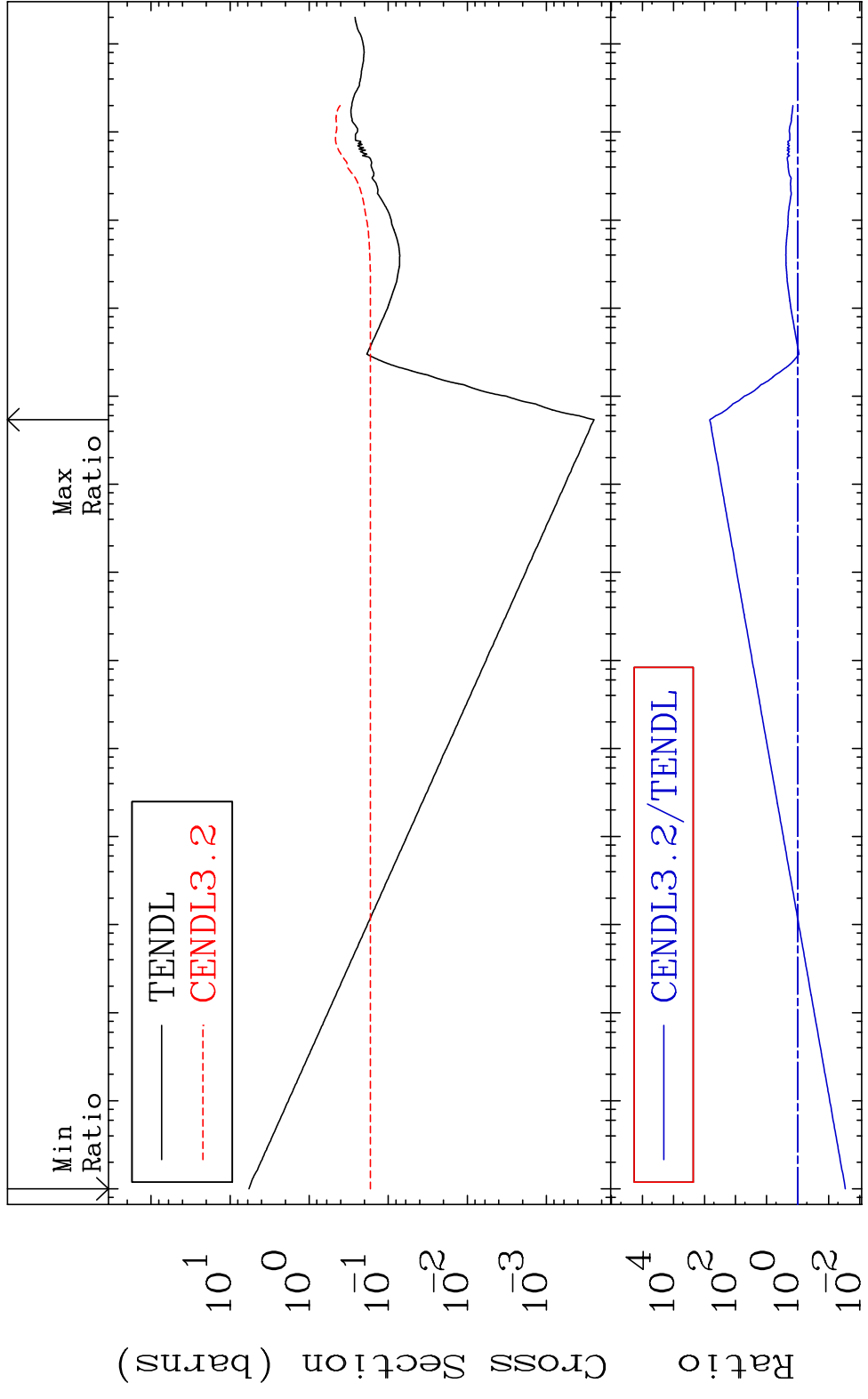


20

Incident Energy (eV)

16-S -33

MAT 1628 He-4 Production 16-S -33
 Cross Section -97.08 To 9999. %

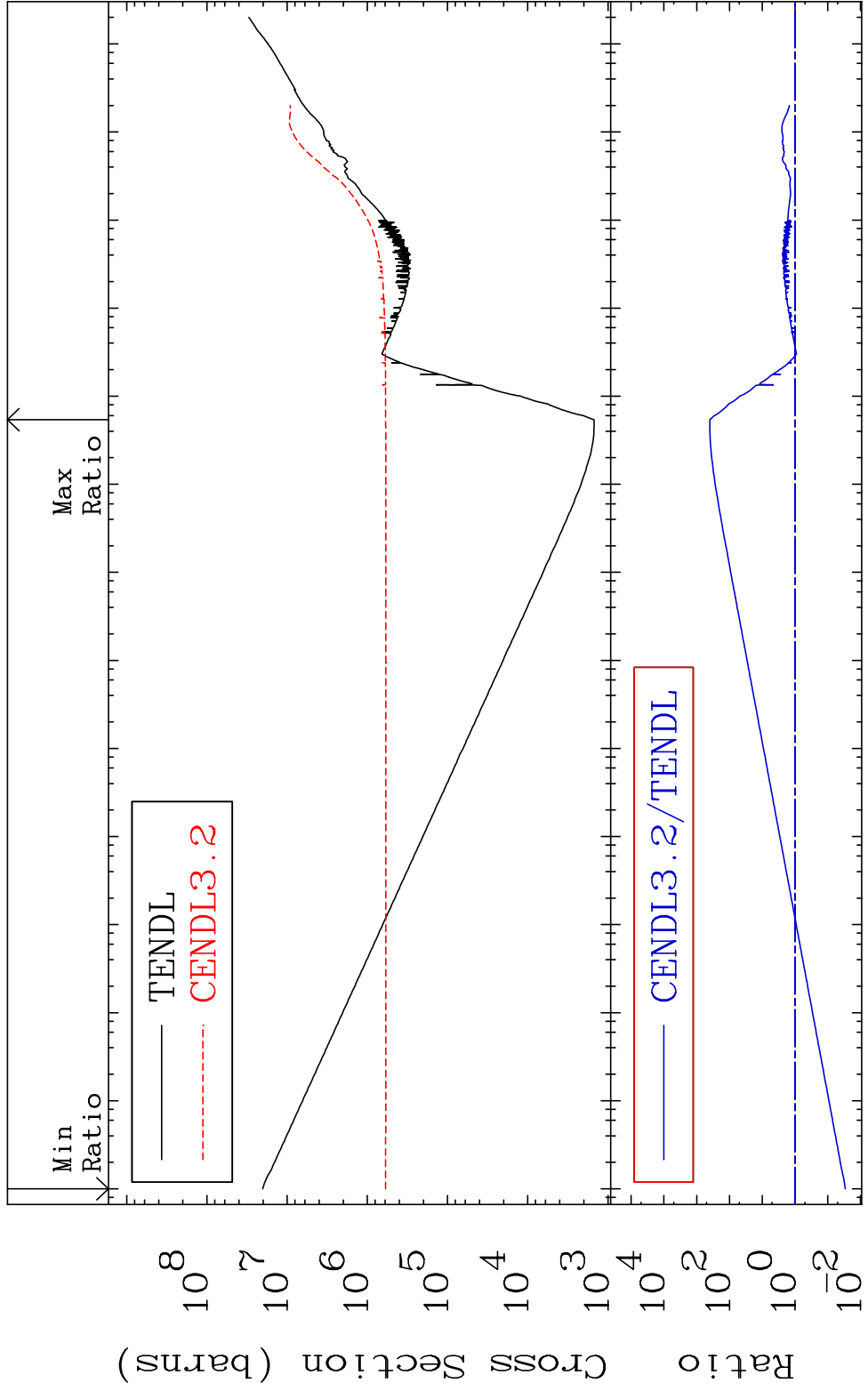


10¹
 10⁰
 10⁻¹
 10⁻²
 10⁻³
 10⁴
 10²
 10⁰
 10⁻²

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

Incident Energy (eV) 16-S -33

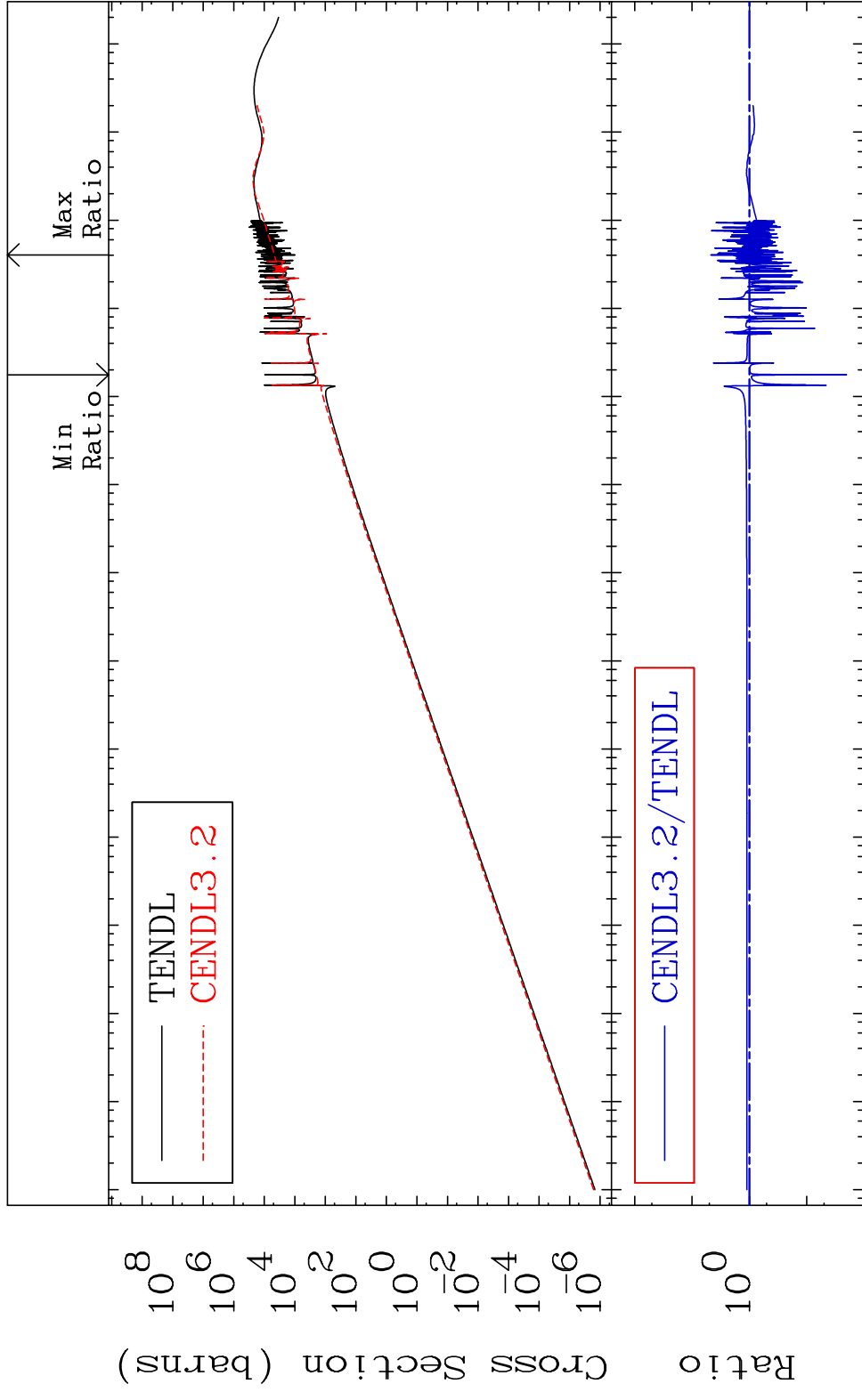
MAT 1628 Kerma total (eV-barns) 16-S -33
 Cross Section -97.07 To 9999. %



MAT 1628

Kerma elastic
Cross Section

16-S -33
-97.96 To 371.7 %

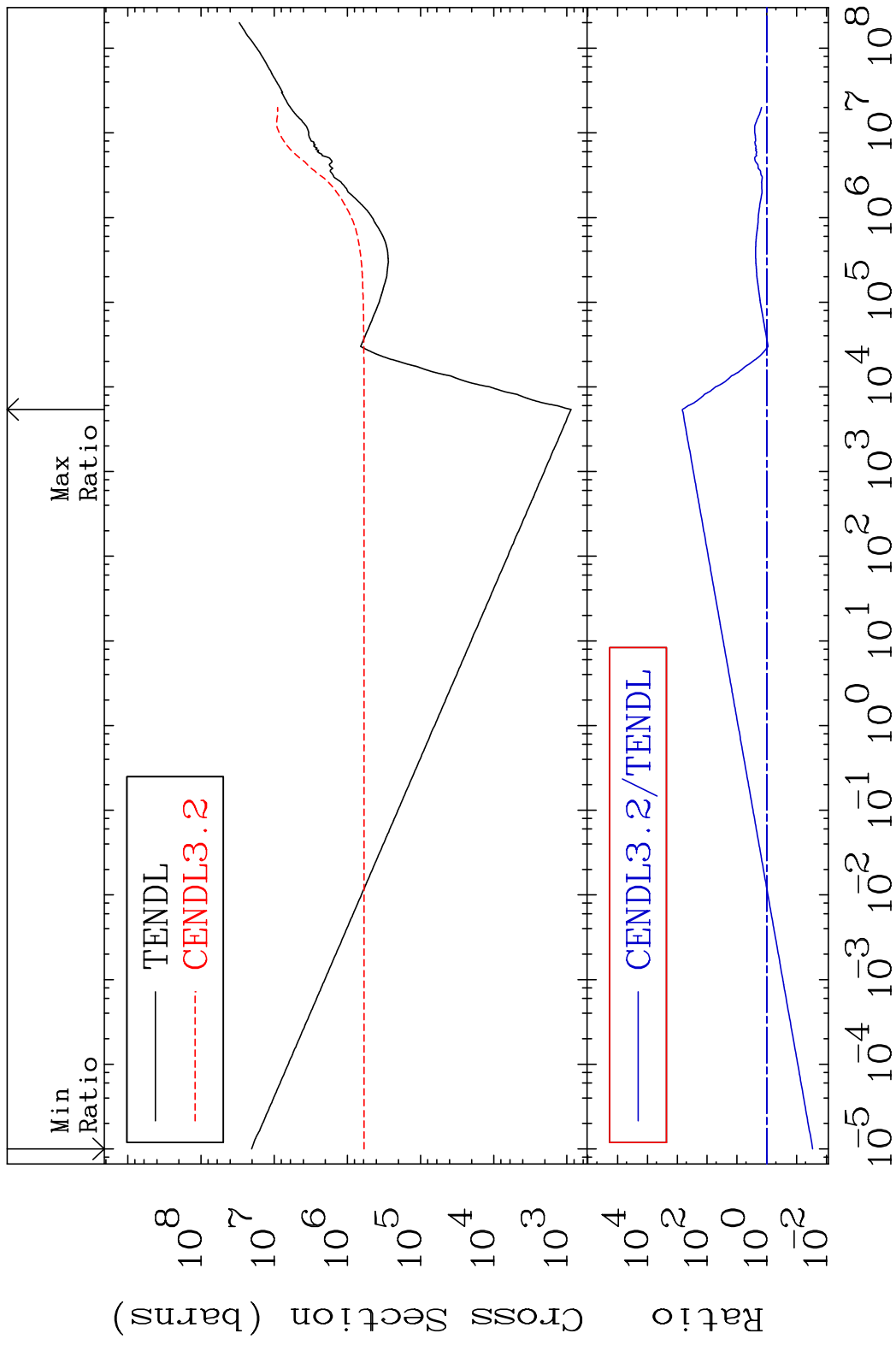


23

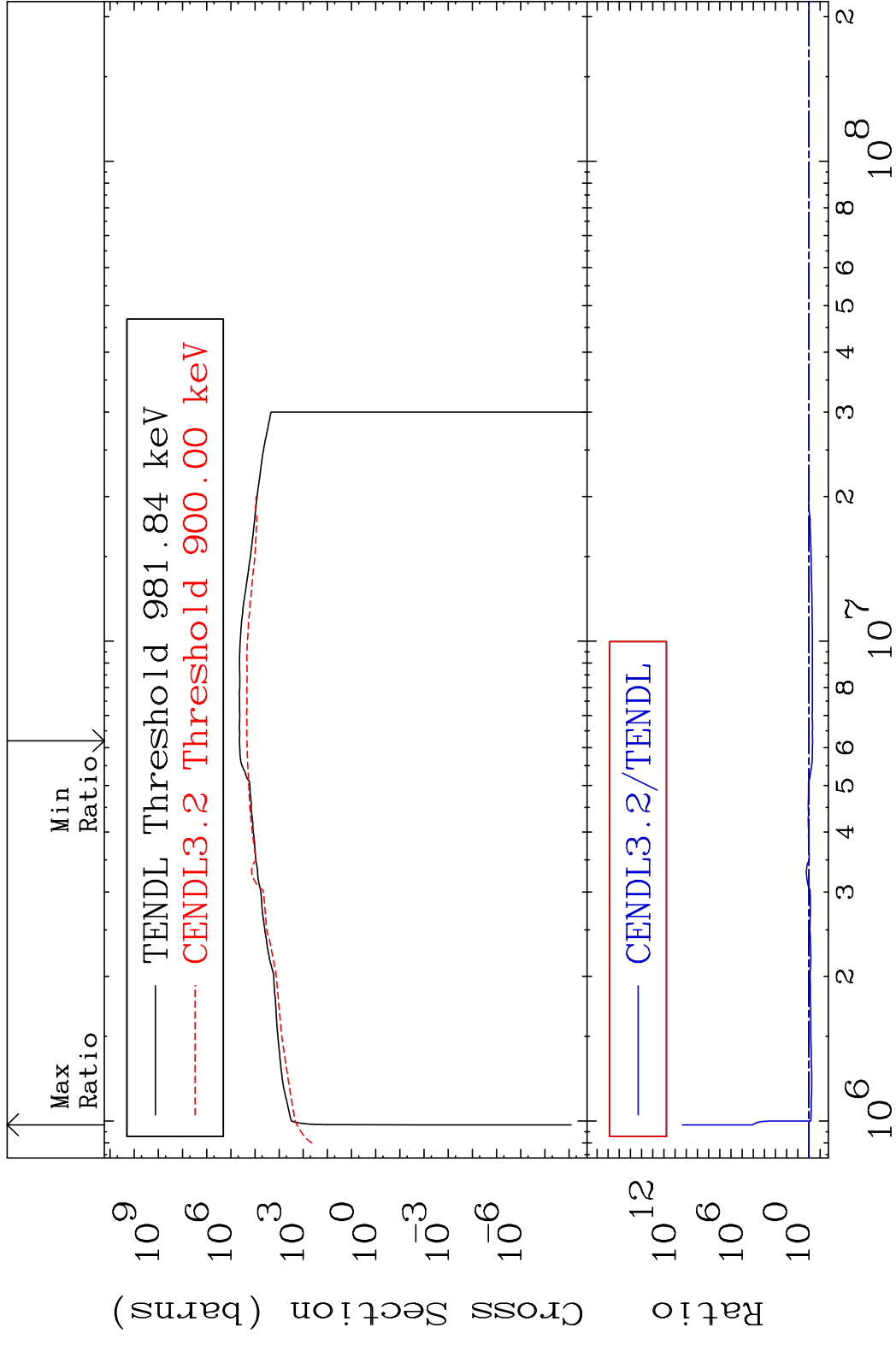
Incident Energy (eV)

16-S -33

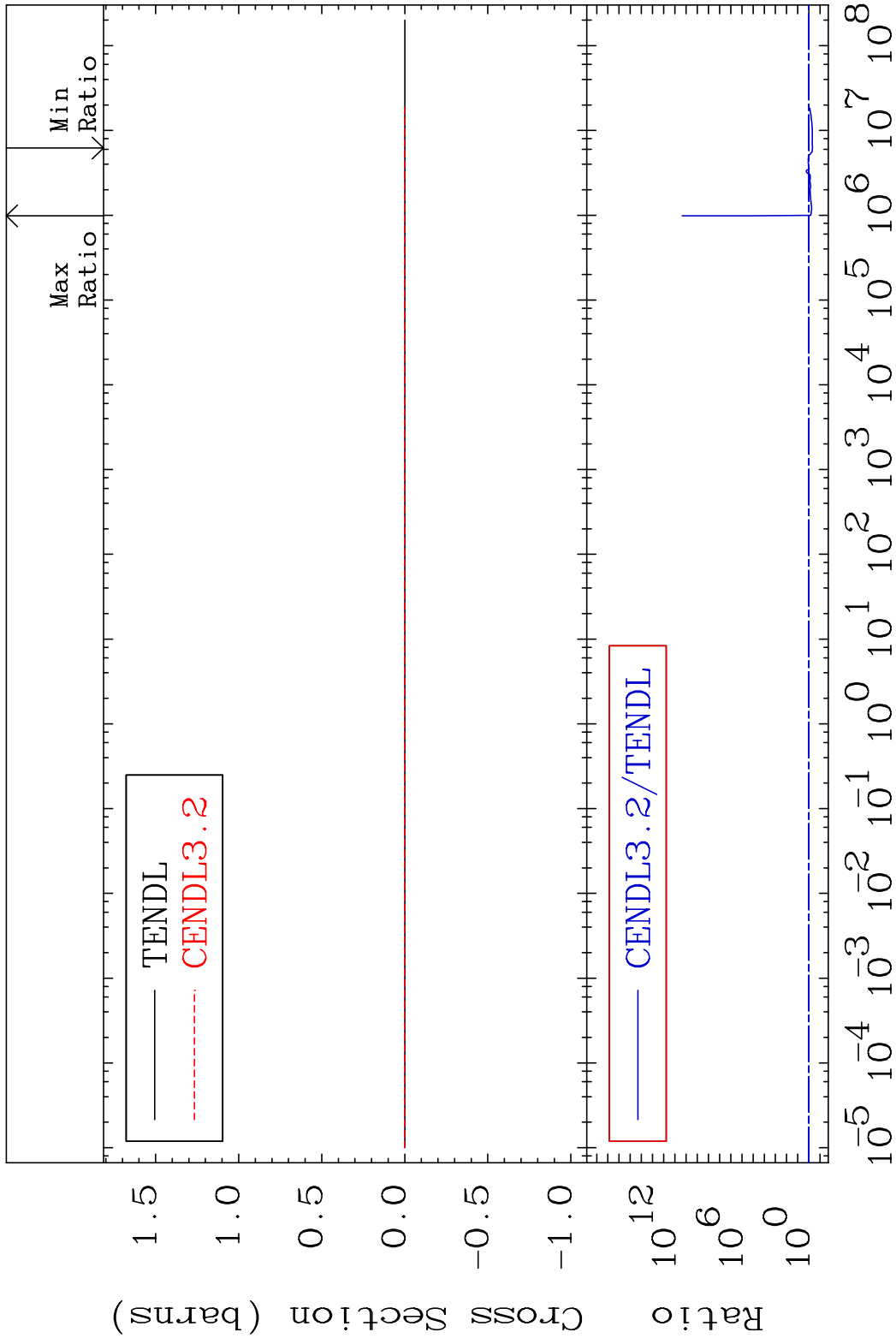
MAT 1628 Kerma non-elastic (all but mt2) 16-S -33
 Cross Section -97.07 To 9999. %



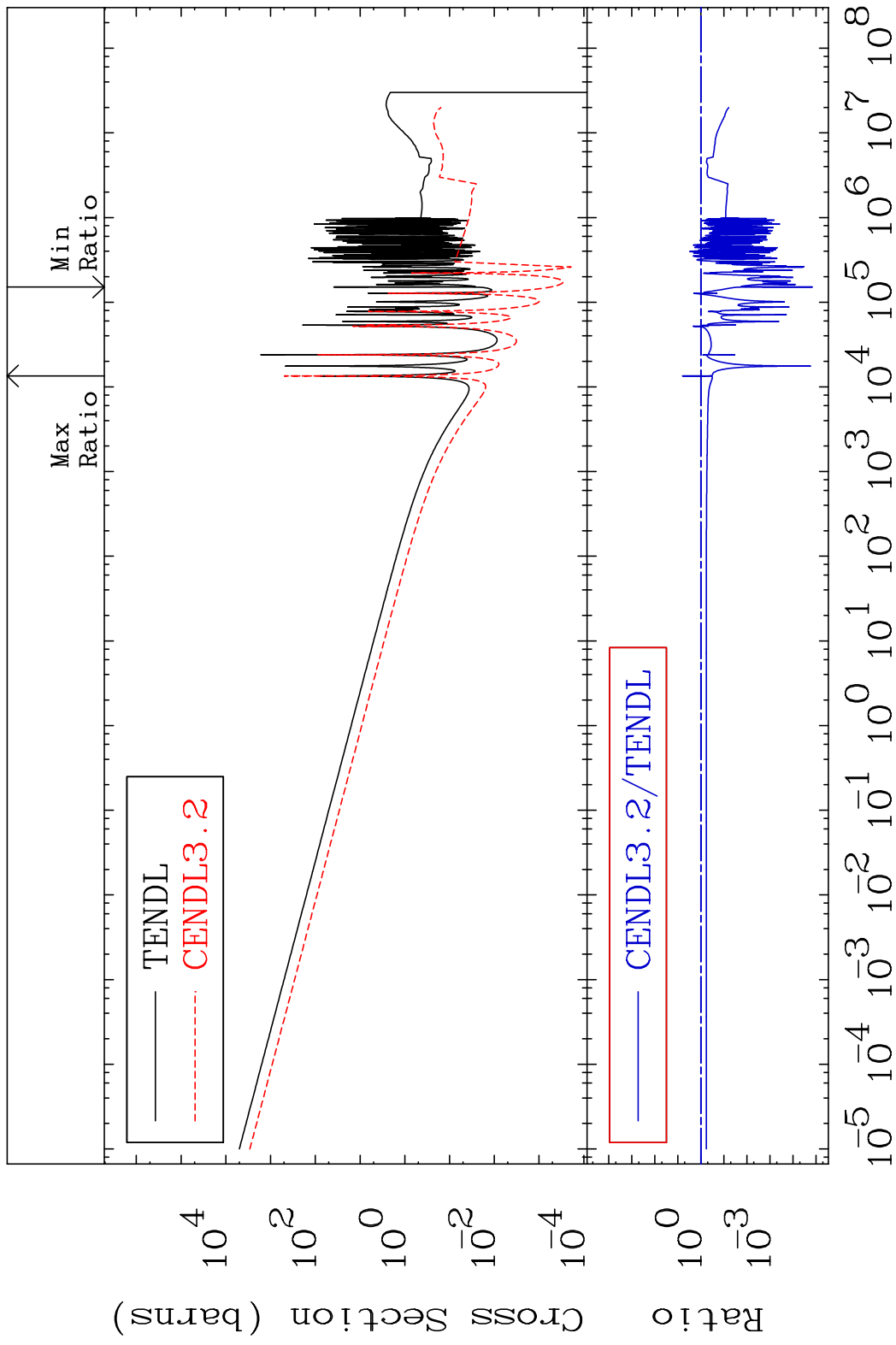
MAT 1628 Kerma inelastic (mt51-91) 16-S -33
 Cross Section -51.78 To 9999. %



MAT 1628 Kerma fission (mt18 or mt19-20-21-38) 16-S -33
 Cross Section -51.78 To 9999. %

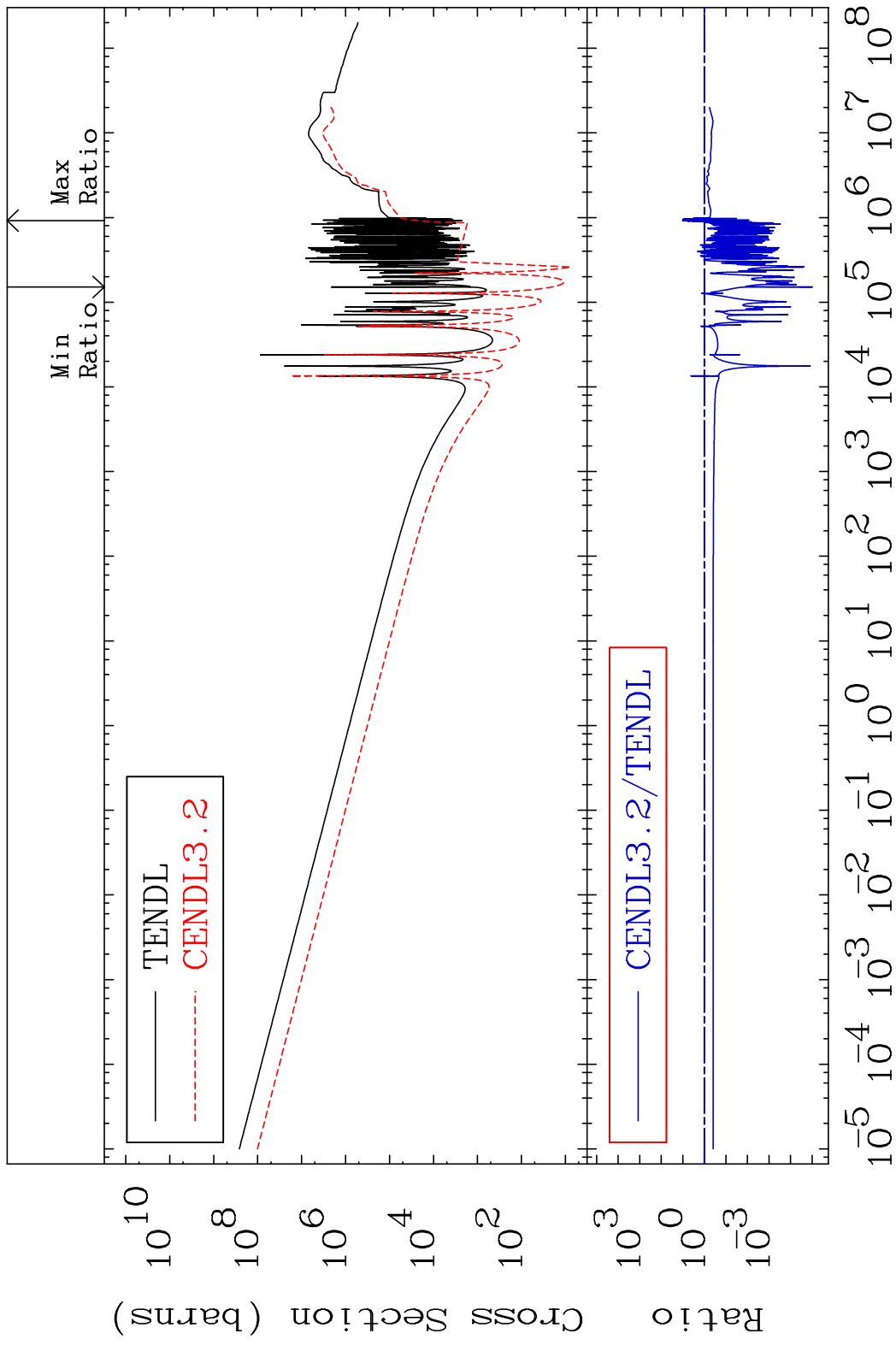


MAT 1628 Kerma capture (mt102) 16-S -33
 Cross Section -100.0 To 537.1 %



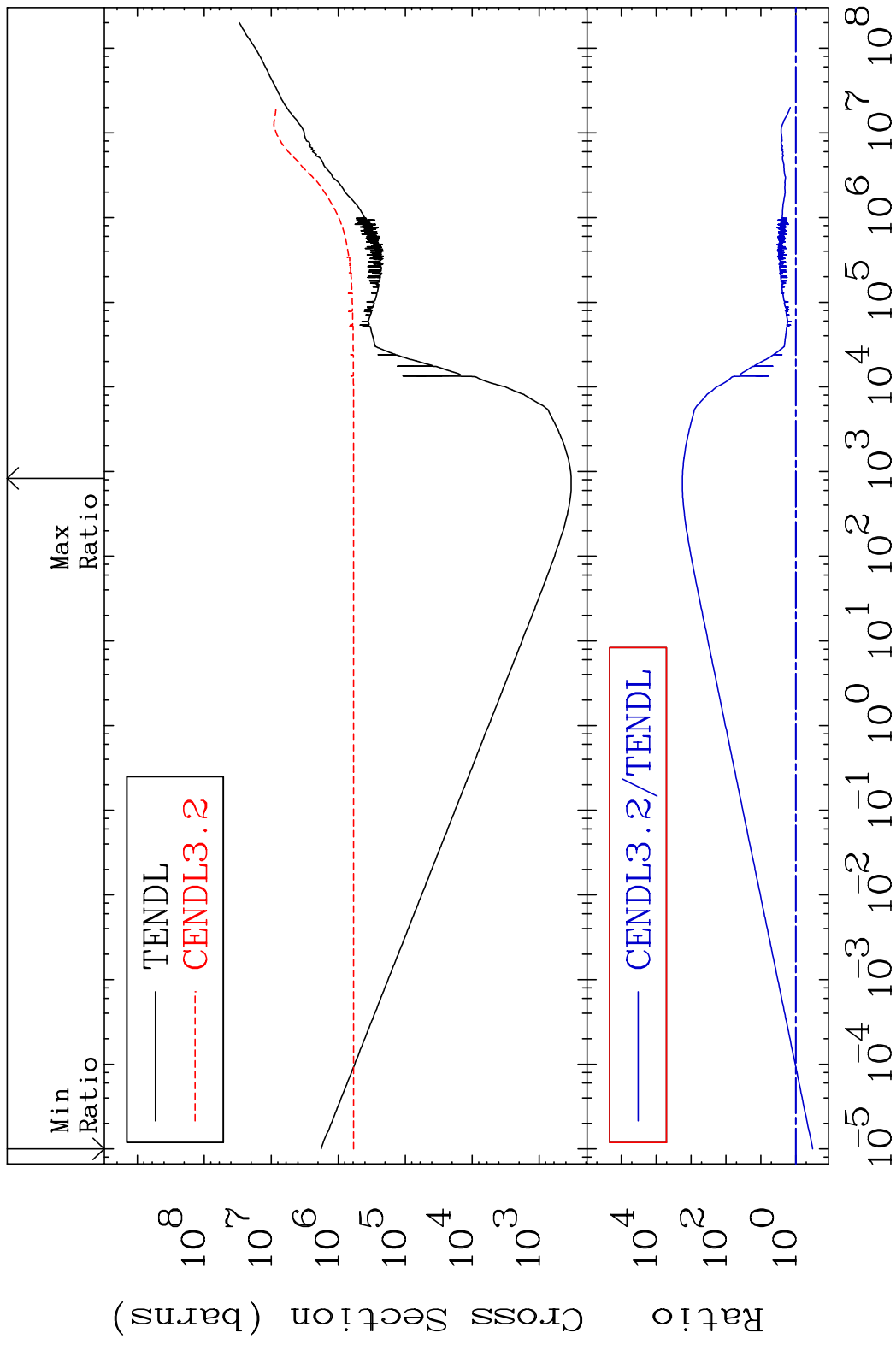
27 Incident Energy (eV) 16-S -33

MAT 1628 Total photon (eV-barns) 16-S -33
 Cross Section -100.0 To 944.9 %

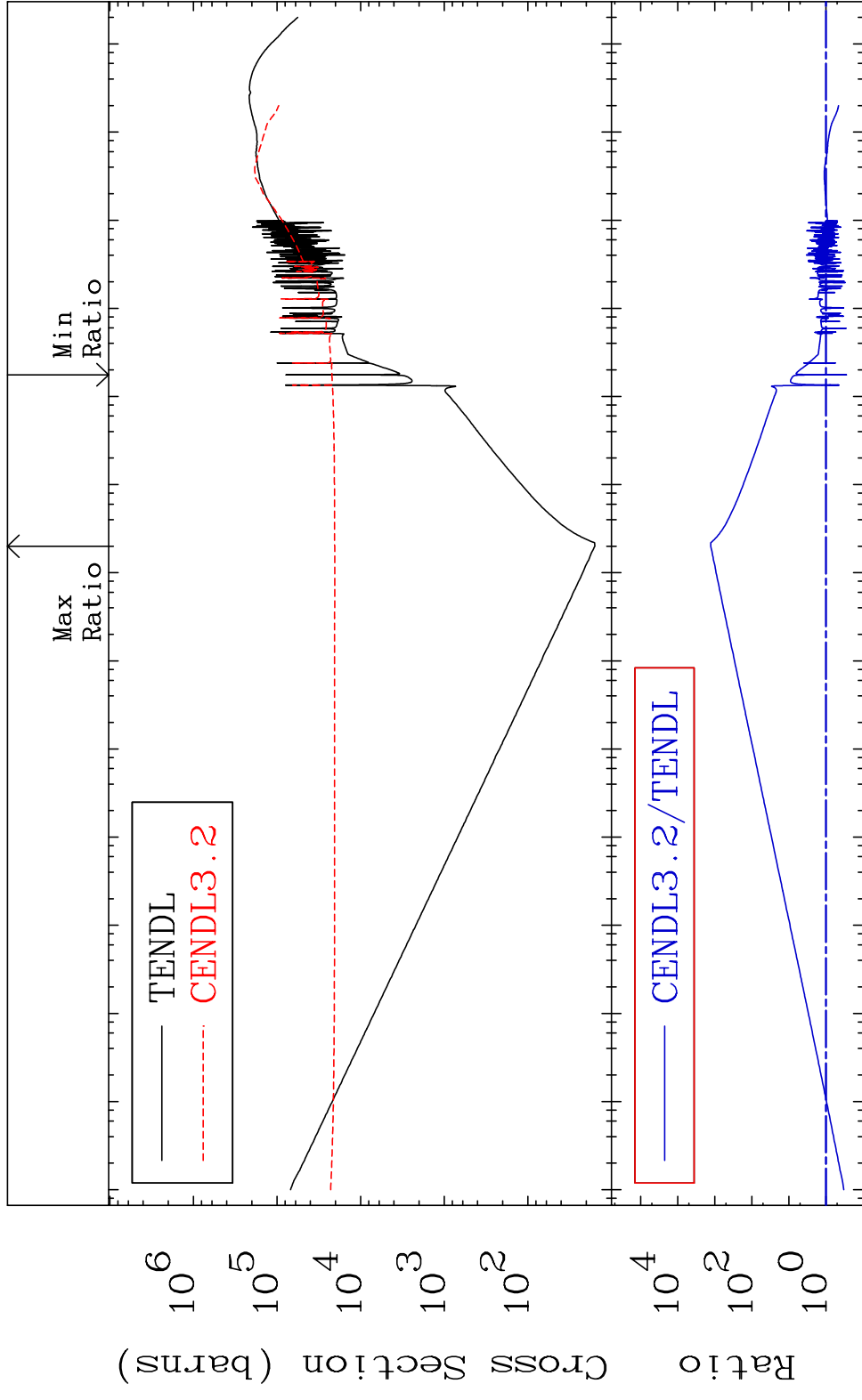


28 Incident Energy (eV) 16-S -33

MAT 1628 Total kinematic kerma (high limit) 16-S -33
 Cross Section -66.94 To 9999. %

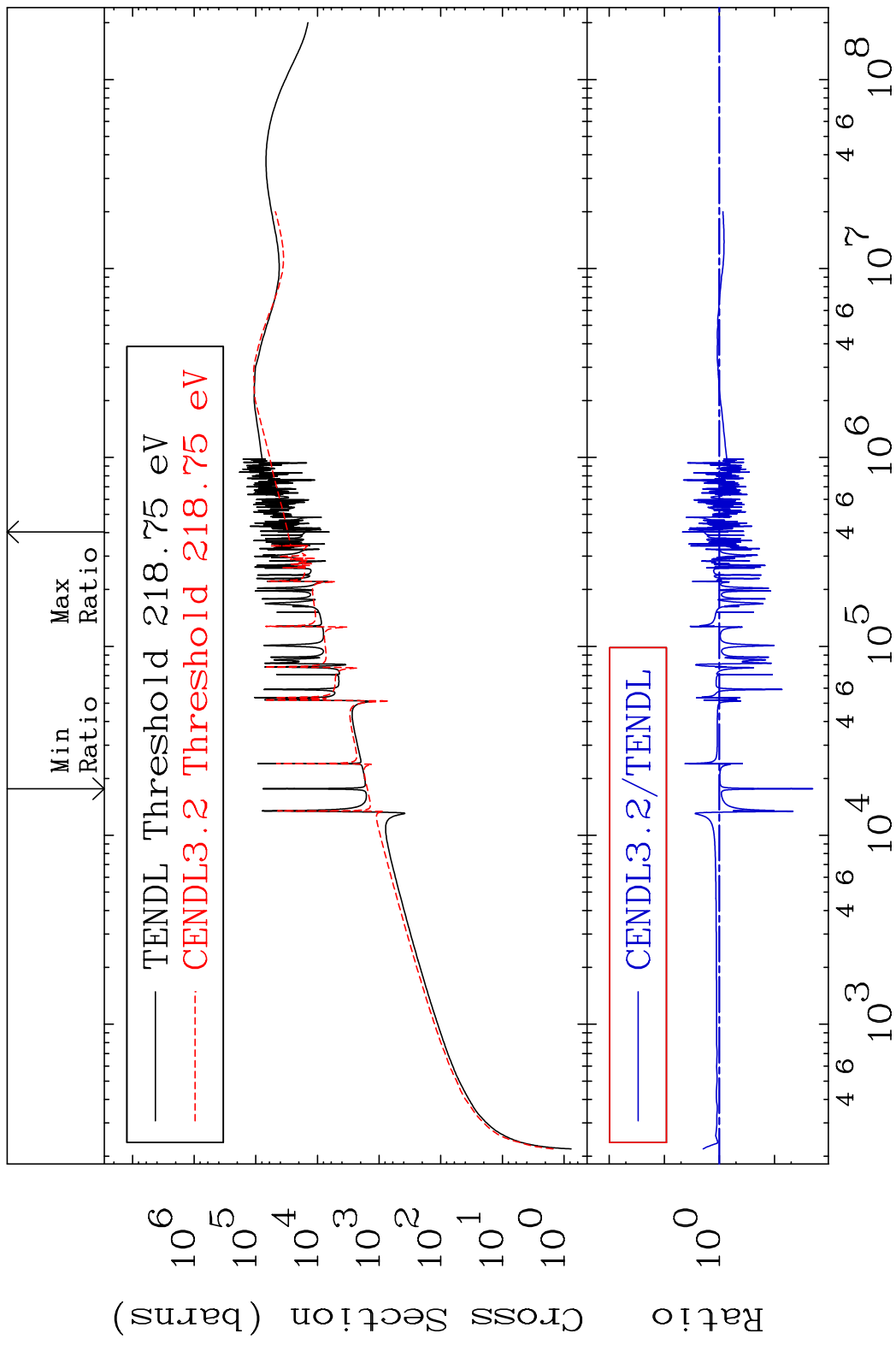


MAT 1628 Dpa total (eV-barns) 16-S -33
 Cross Section -71.74 To 9999. %

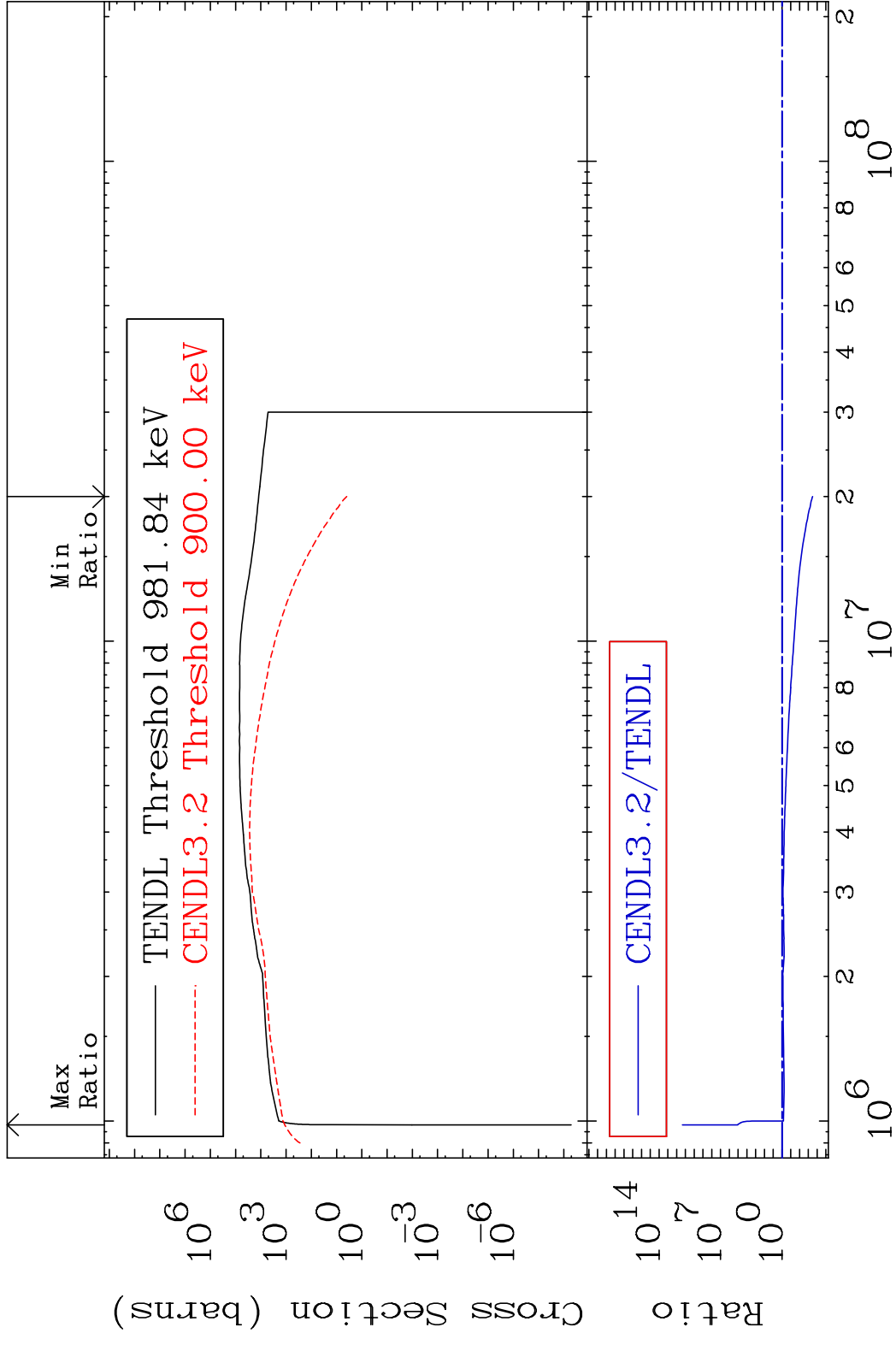


30 Incident Energy (eV) 16-S -33

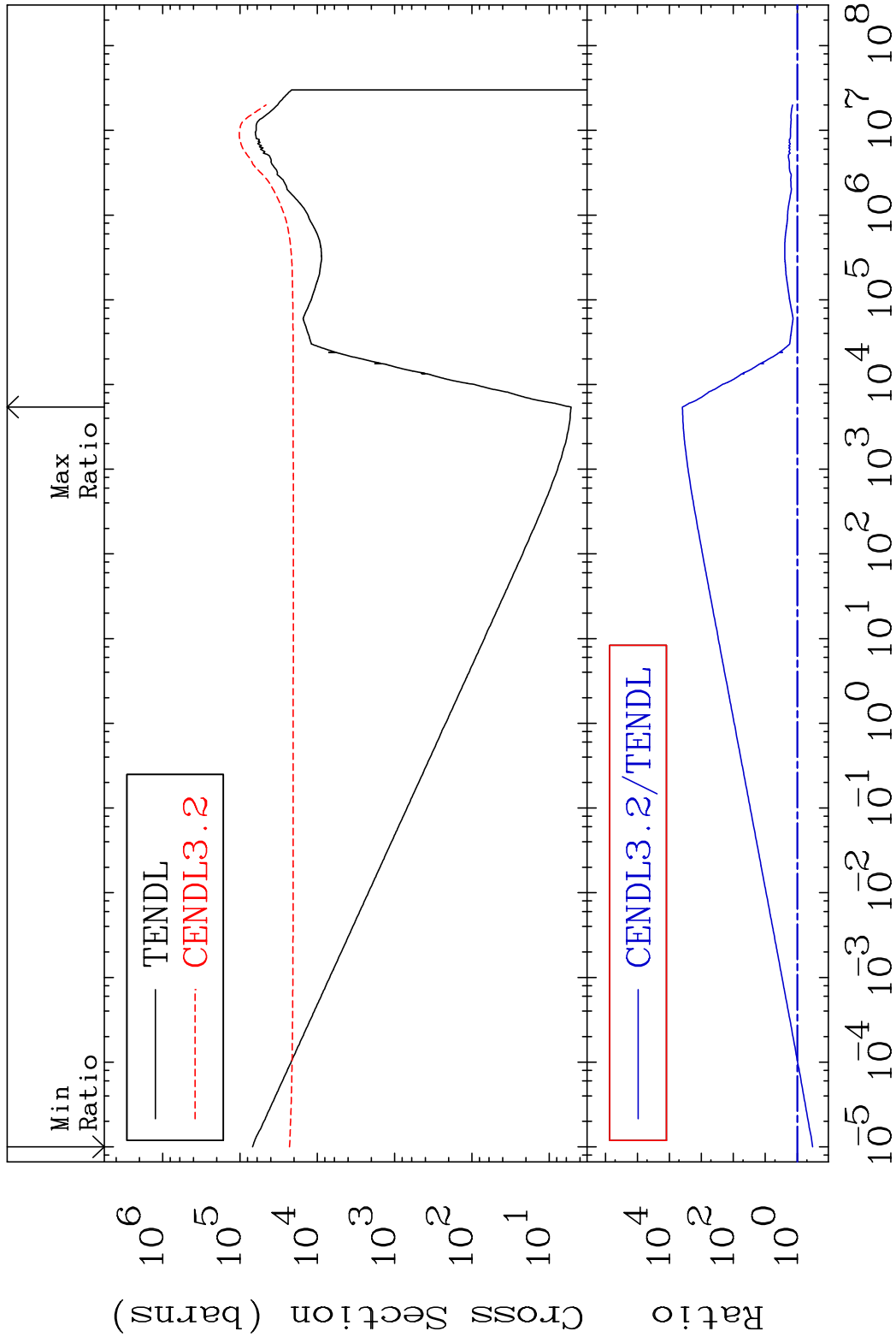
MAT 1628 Dpa elastic (mt2) 16-S -33
 Cross Section -97.96 To 370.8 %



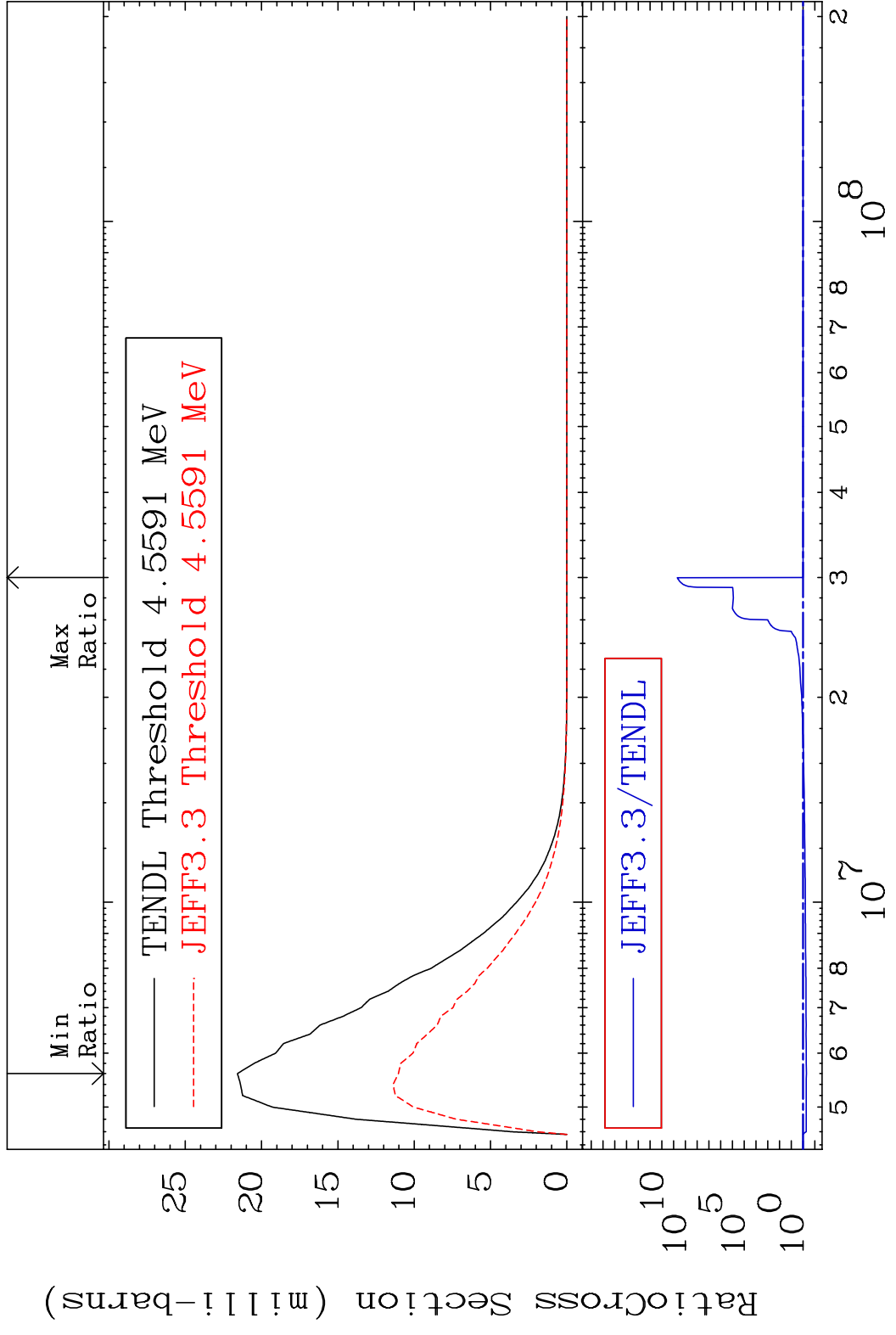
31 Incident Energy (eV) 16-S -33



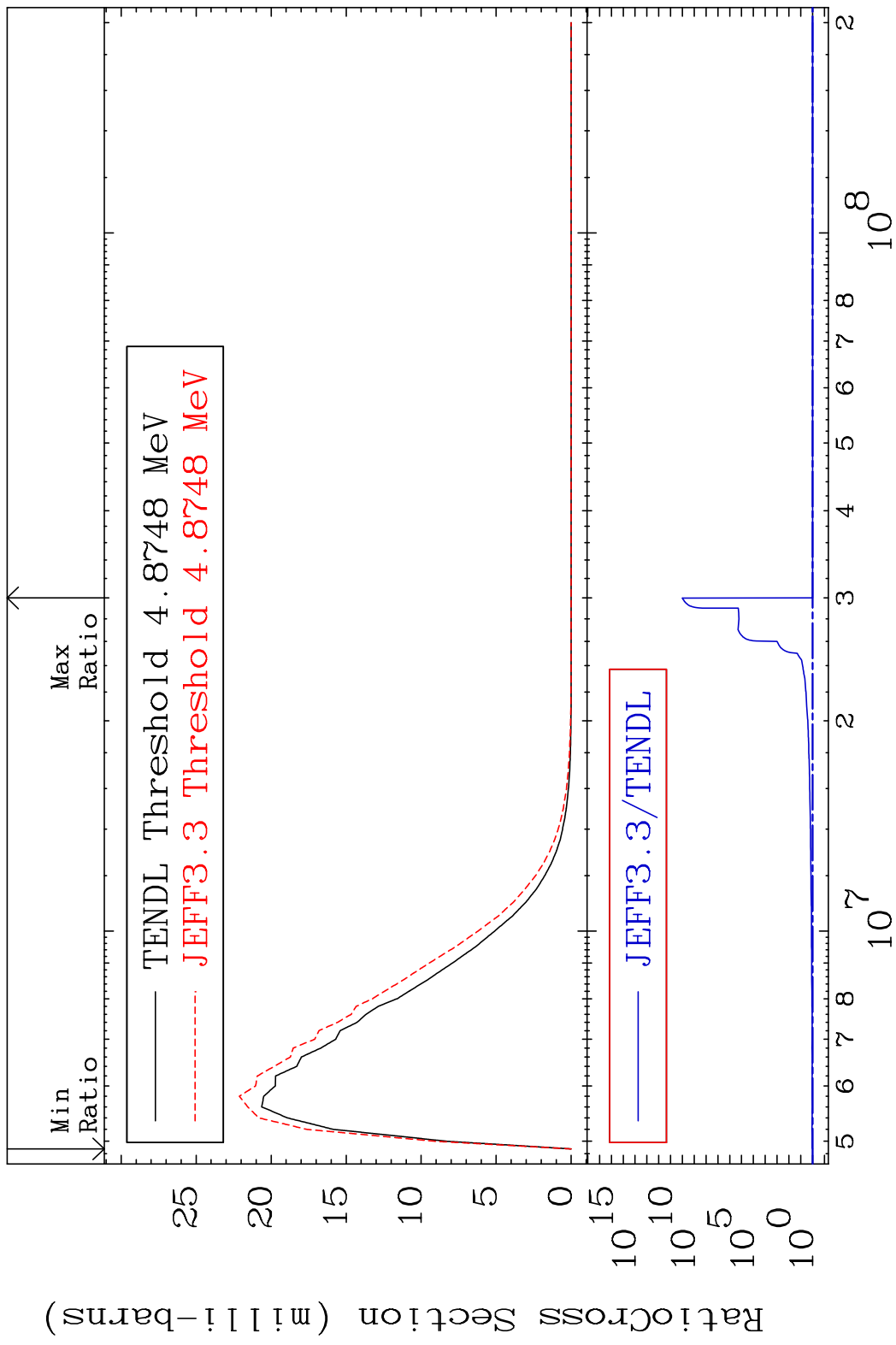
MAT 1628 Dpa disappearance (mt102 -120) 16-S -33
Cross Section -66.85 To 9999. %



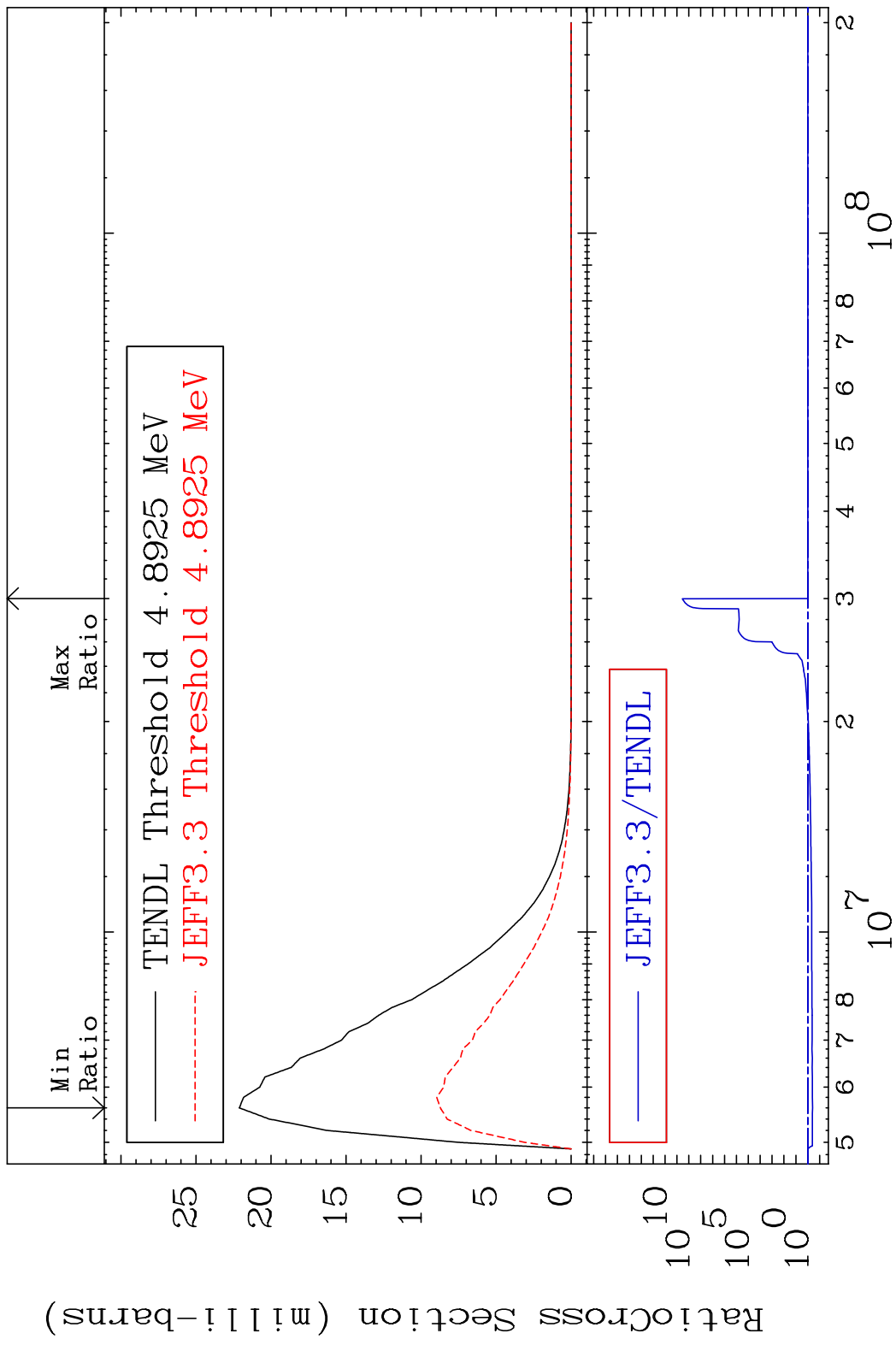
MAT 1628 MT= 68 (n, n') Level 16-S -33
 Cross Section -48.88 To 9999. %



MAT 1628 MT= 69 (n, n') Level 16-S -33
 Cross Section 0.000 To 9999. %

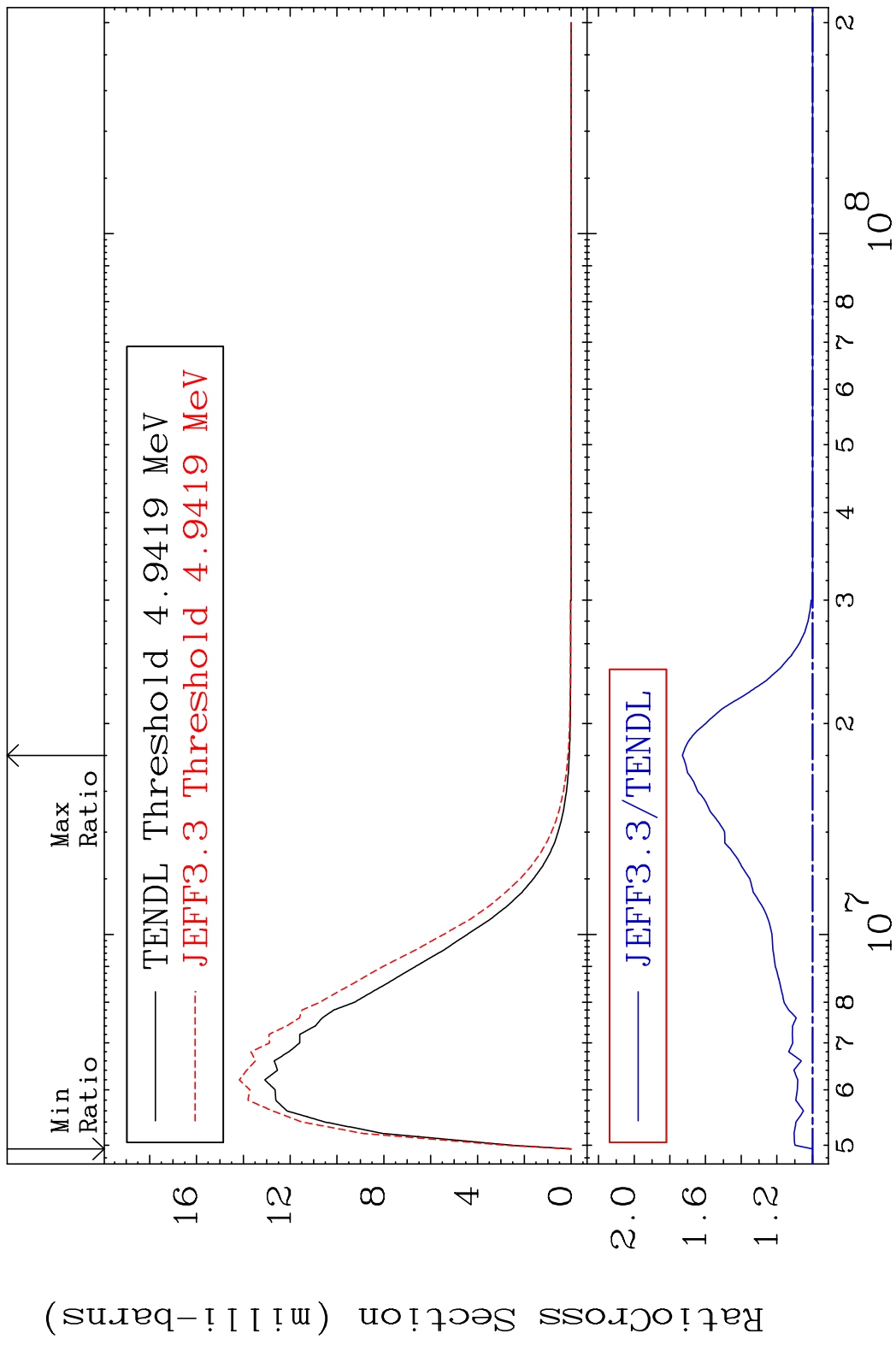


MAT 1628 MT= 70 (n, n') Level 16-S -33
 Cross Section -60.58 To 9999. %

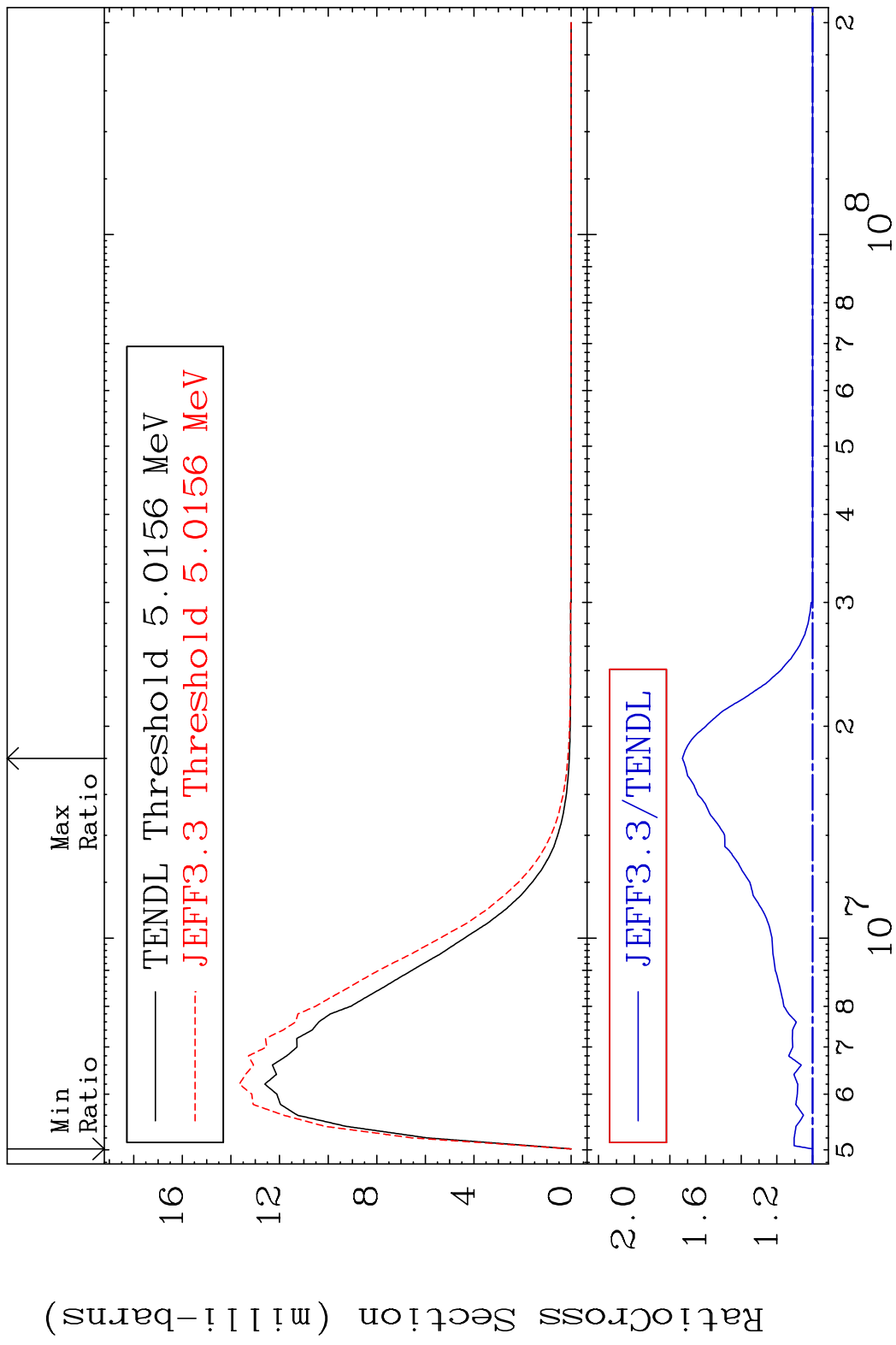


36 Incident Energy (eV) 16-S -33

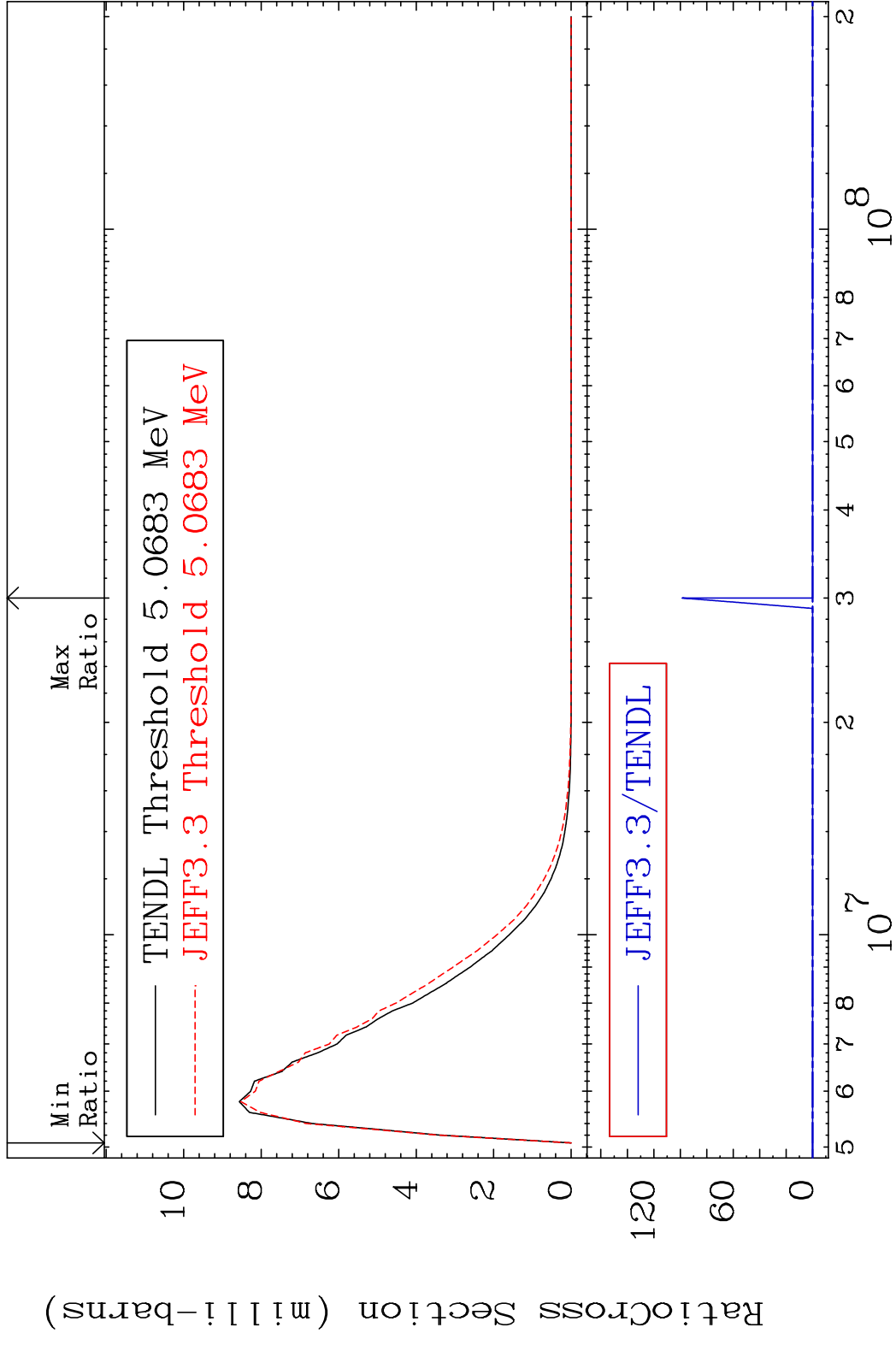
MAT 1628 MT= 71 (n,n') Level 16-S -33
 Cross Section 0.000 To 72.99 %



MAT 1628 MT= 72 (n,n') Level 16-S -33
 Cross Section 0.000 To 73.01 %

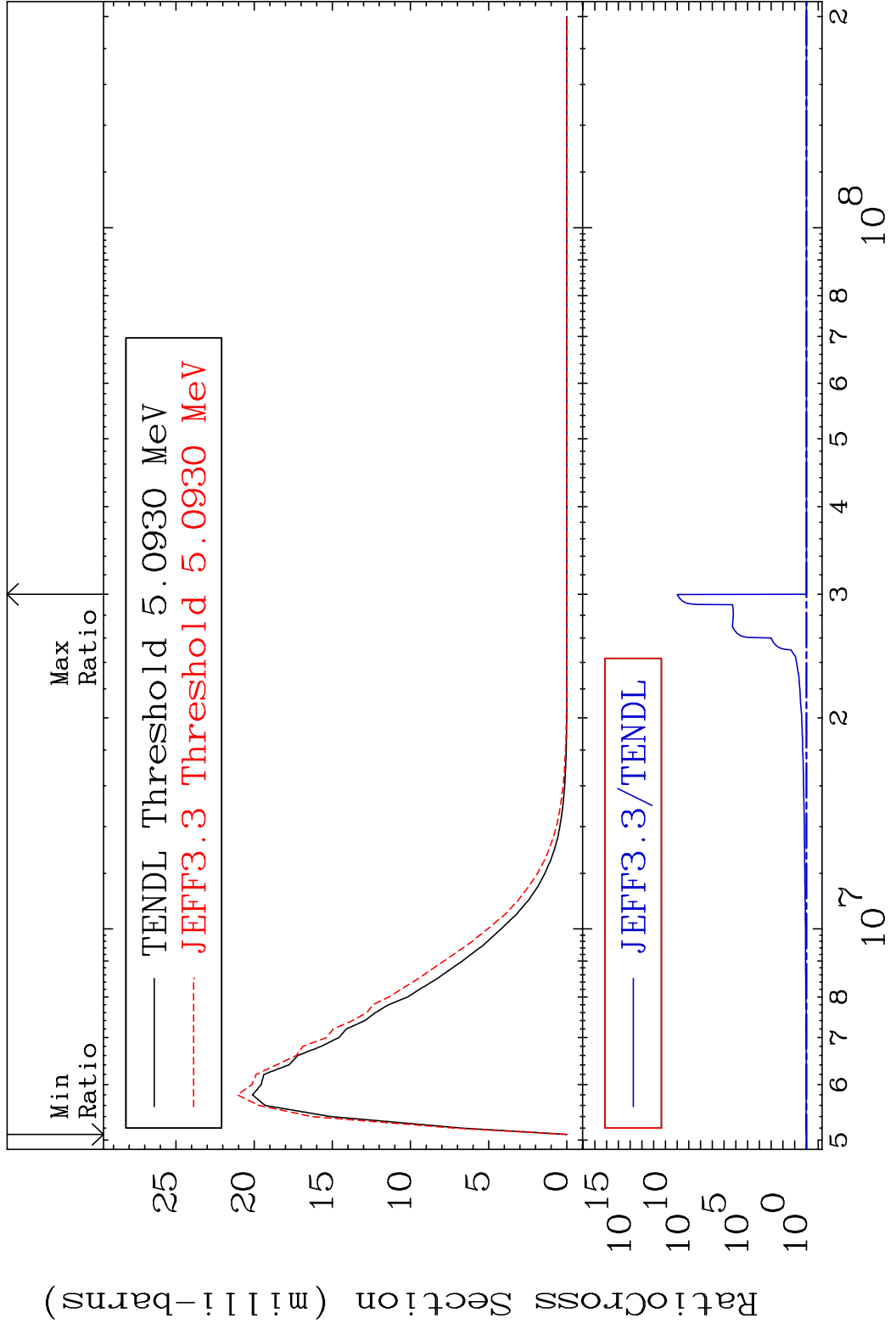


MAT 1628 MT= 73 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %



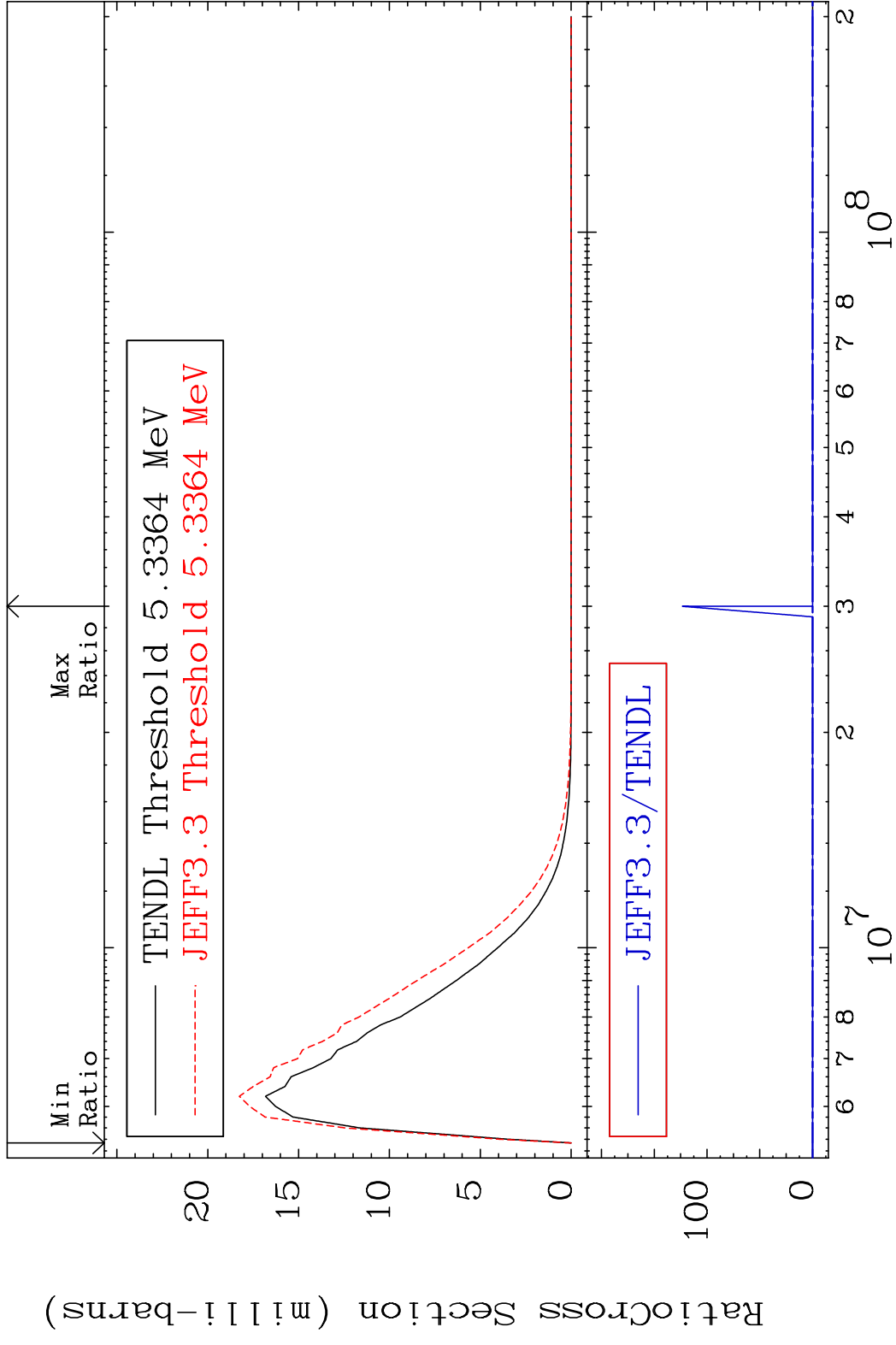
39 Incident Energy (eV) 16-S -33

MAT 1628 MT= 74 (n, n') Level 16-S -33
 Cross Section 0.000 To 9999. %

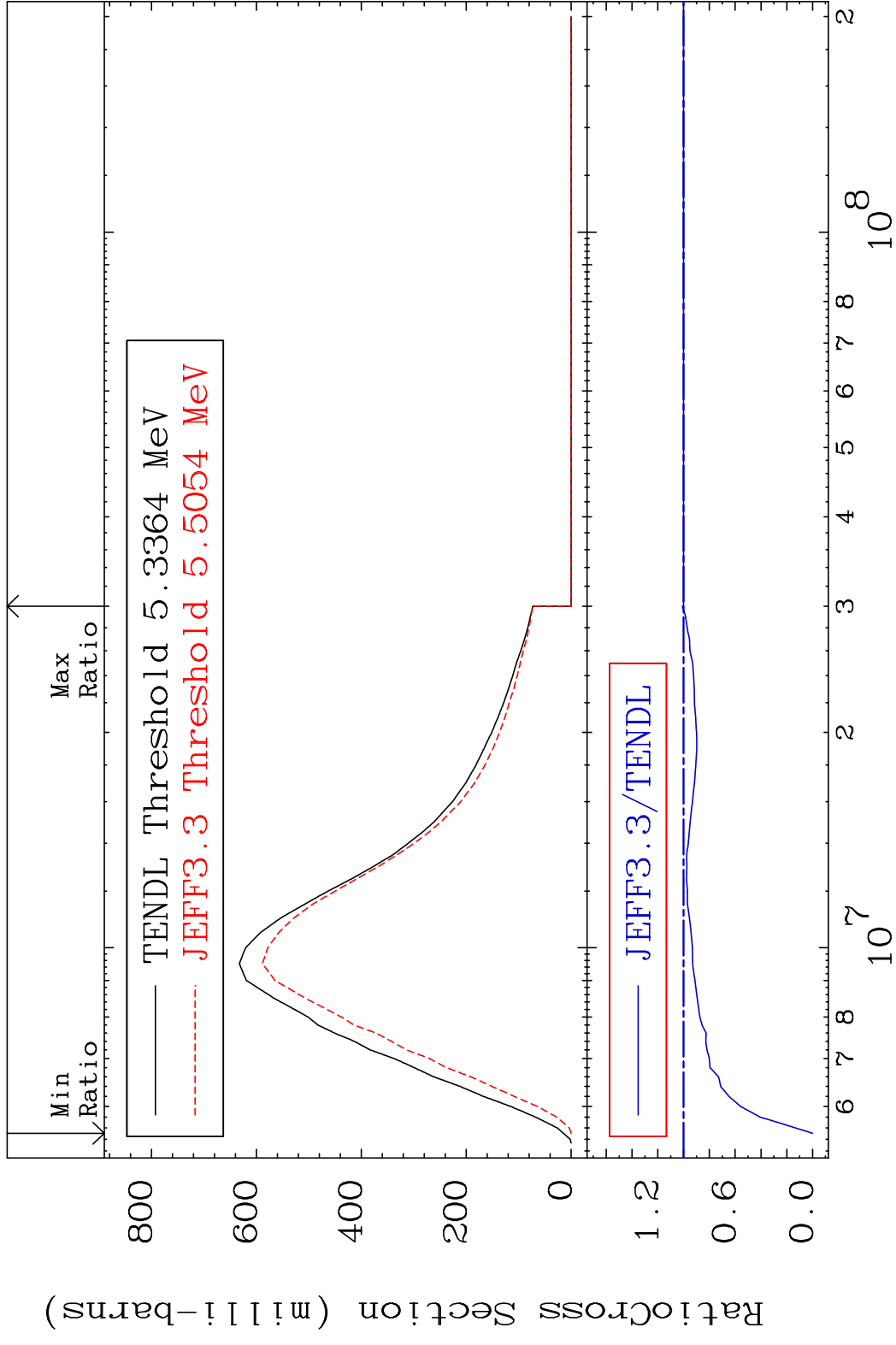


40 Incident Energy (eV) 16-S -33

MAT 1628 MT= 75 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %



MAT 1628 (n, n') Continuum 16-S -33
 Cross Section -100.0 To 0.958 %

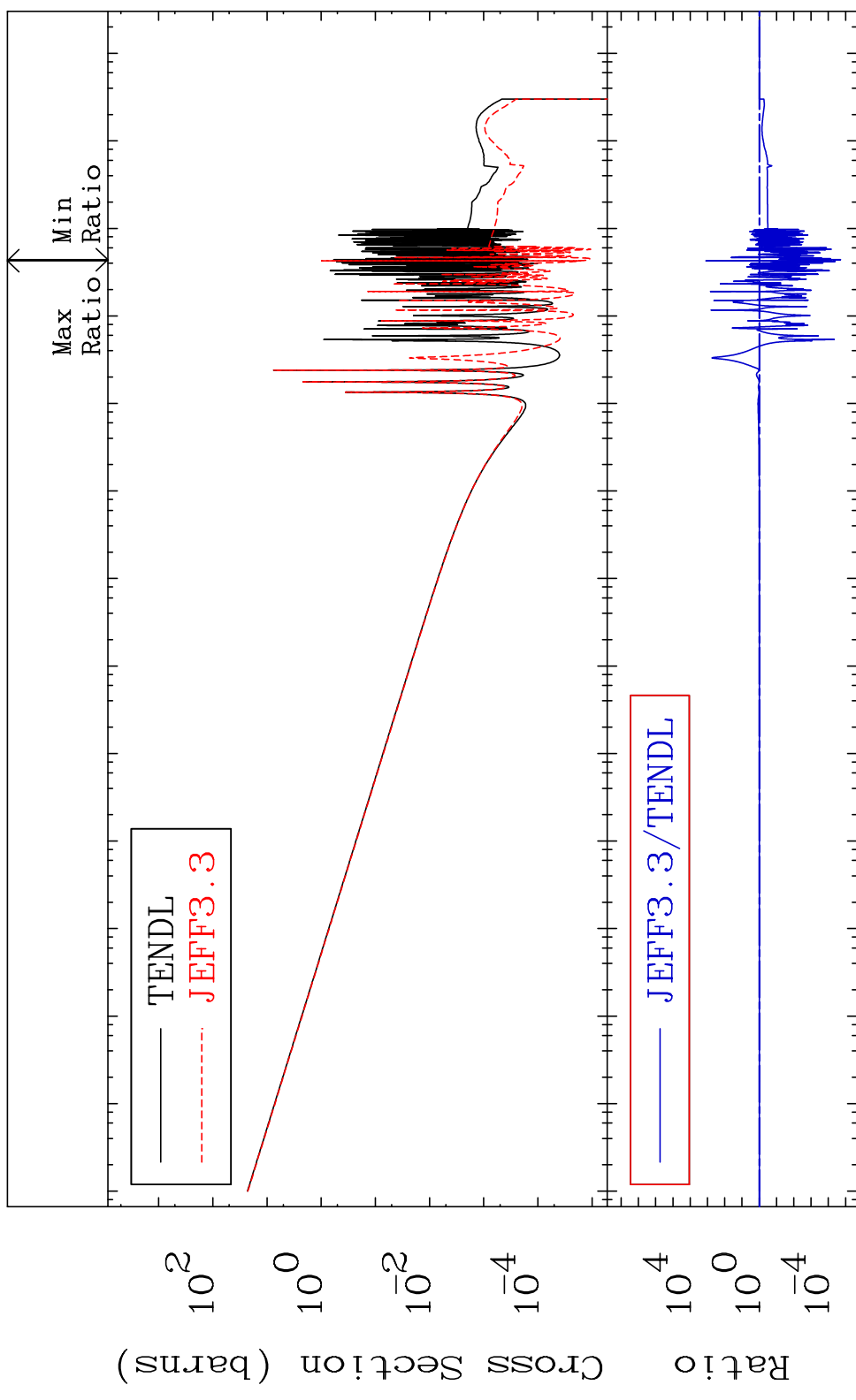


MAT 1628

(n, γ)

16-S -33

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

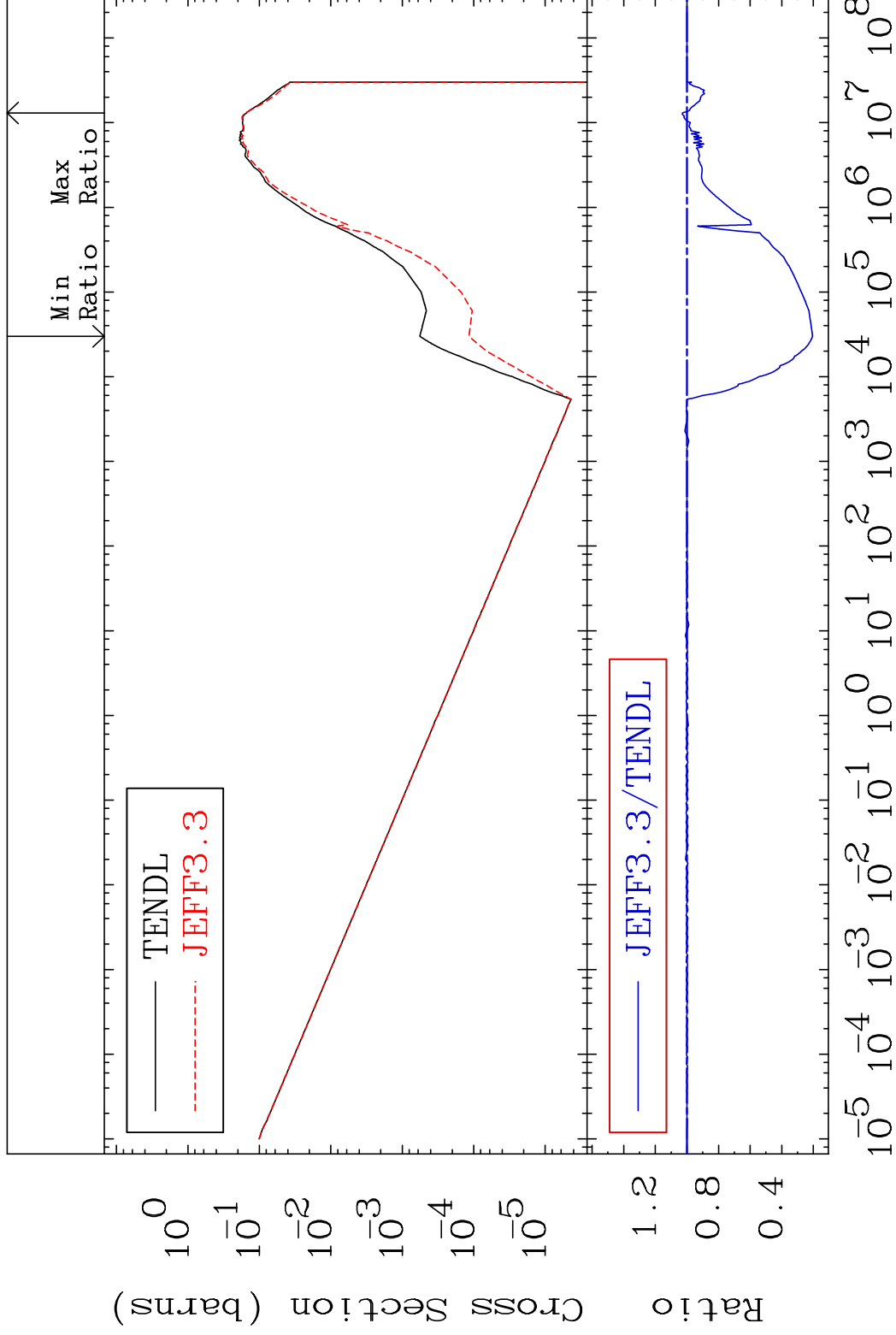
16-S -33

MAT 1628

(n,p)

16-S -33

Cross Section -79.48 To 2.906 %



44

Incident Energy (eV)

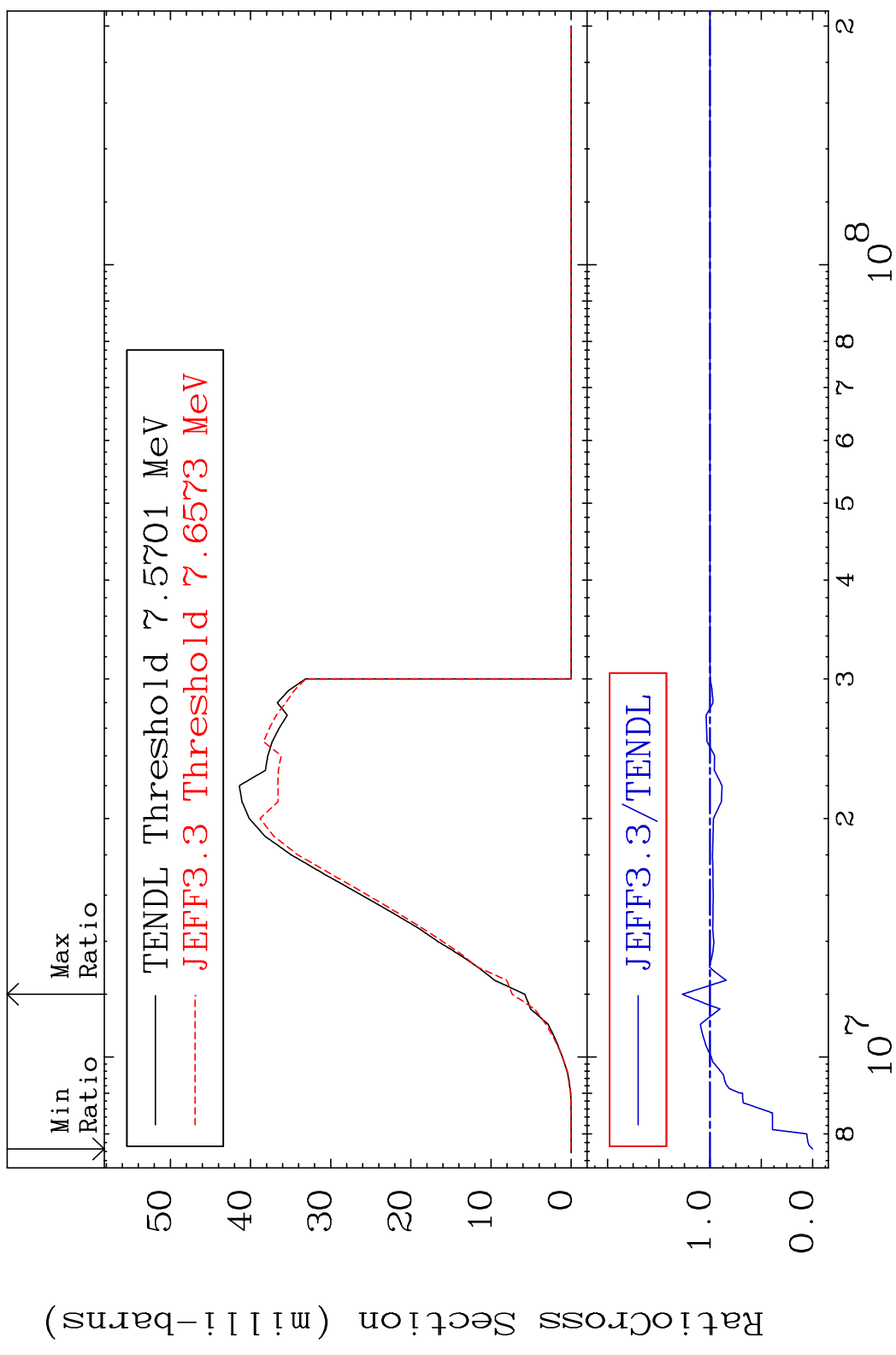
16-S -33

MAT 1628

(n,d)

16-S -33

Cross Section -100.0 To 27.05 %

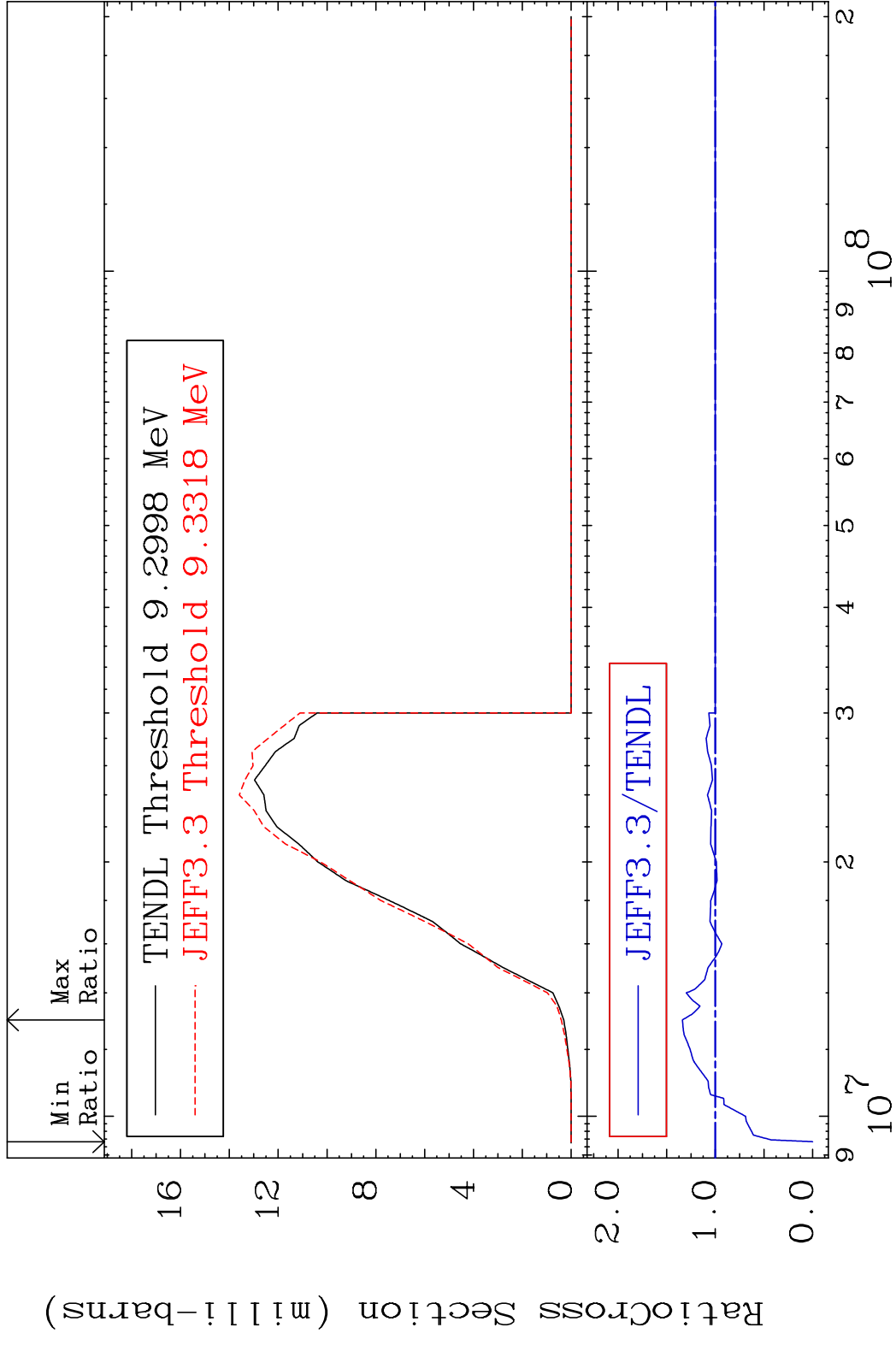


45

Incident Energy (eV)

16-S -33

MAT 1628 (n, t) 16-S -33
 Cross Section -100.0 To 33.90 %



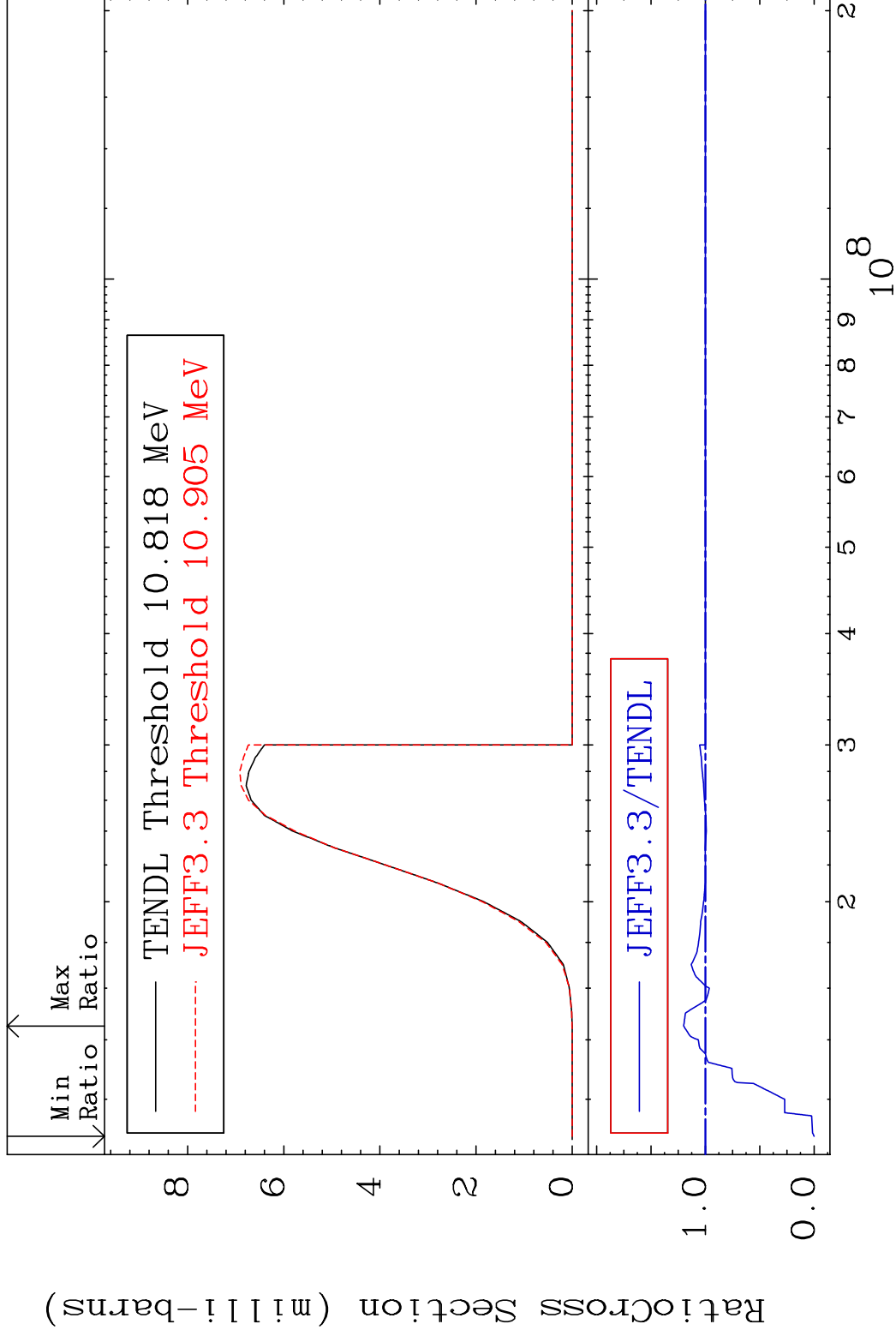
46 16-S -33

MAT 1628

(n, He-3)

16-S -33

Cross Section -100.0 To 19.94 %



47

Incident Energy (eV)

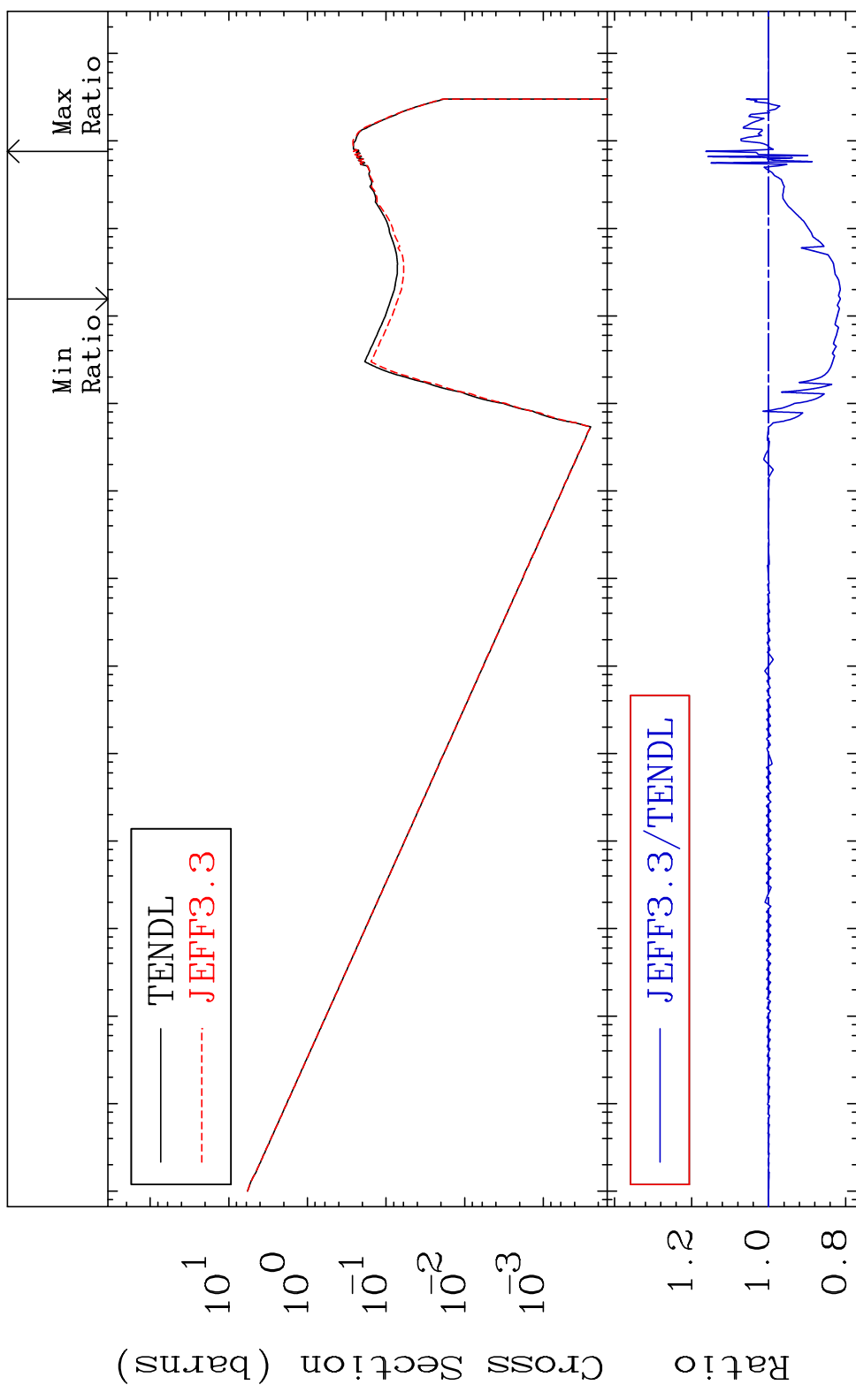
16-S -33

MAT 1628

(n, α)

16-S -33

Cross Section -18.65 To 16.31 %

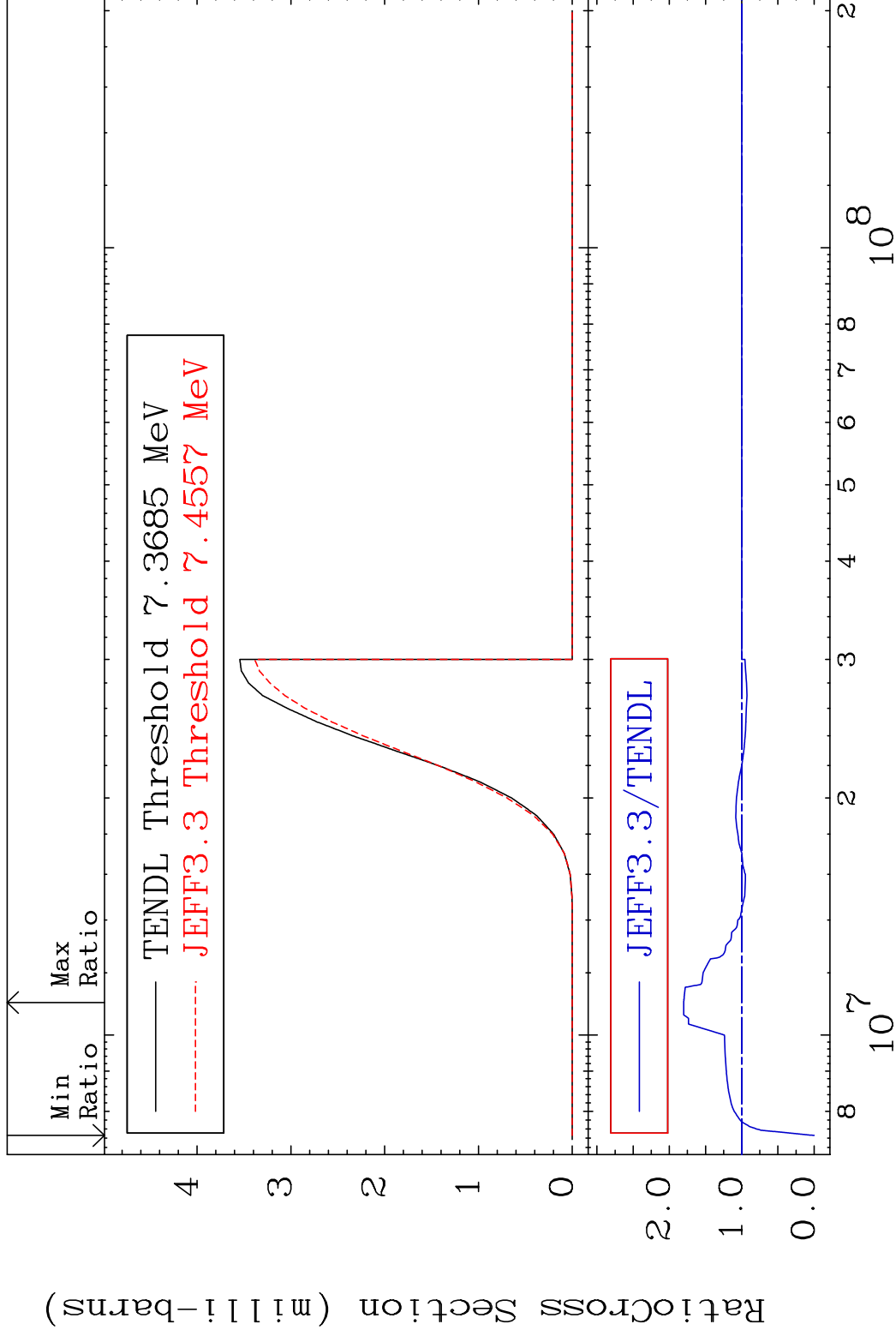


MAT 1628

(n,2α)

16-S -33

Cross Section -100.0 To 80.24 %



49

Incident Energy (eV)

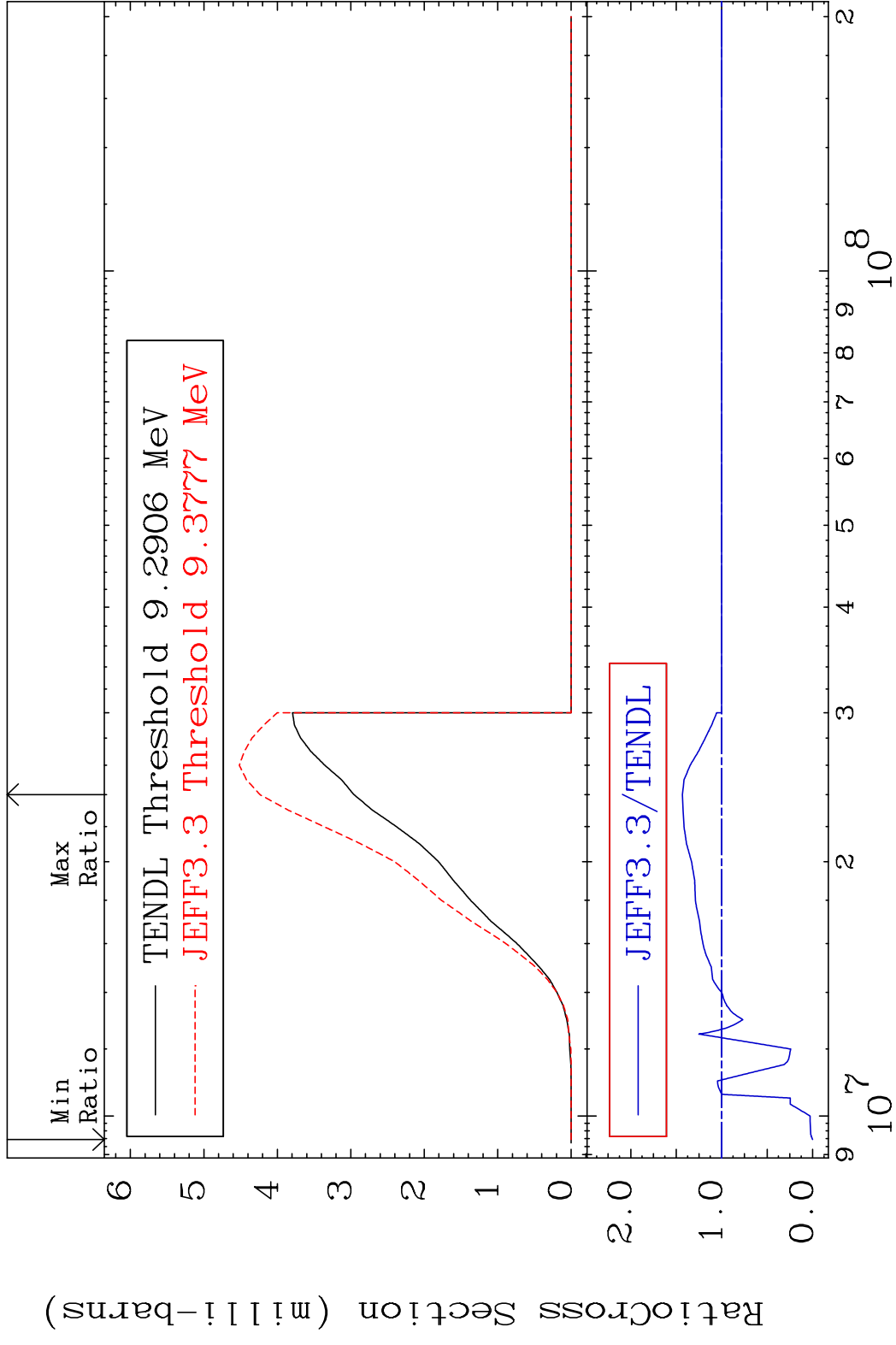
16-S -33

MAT 1628

(n,2p)

16-S -33

Cross Section -100.0 To 43.25 %



50

Incident Energy (eV)

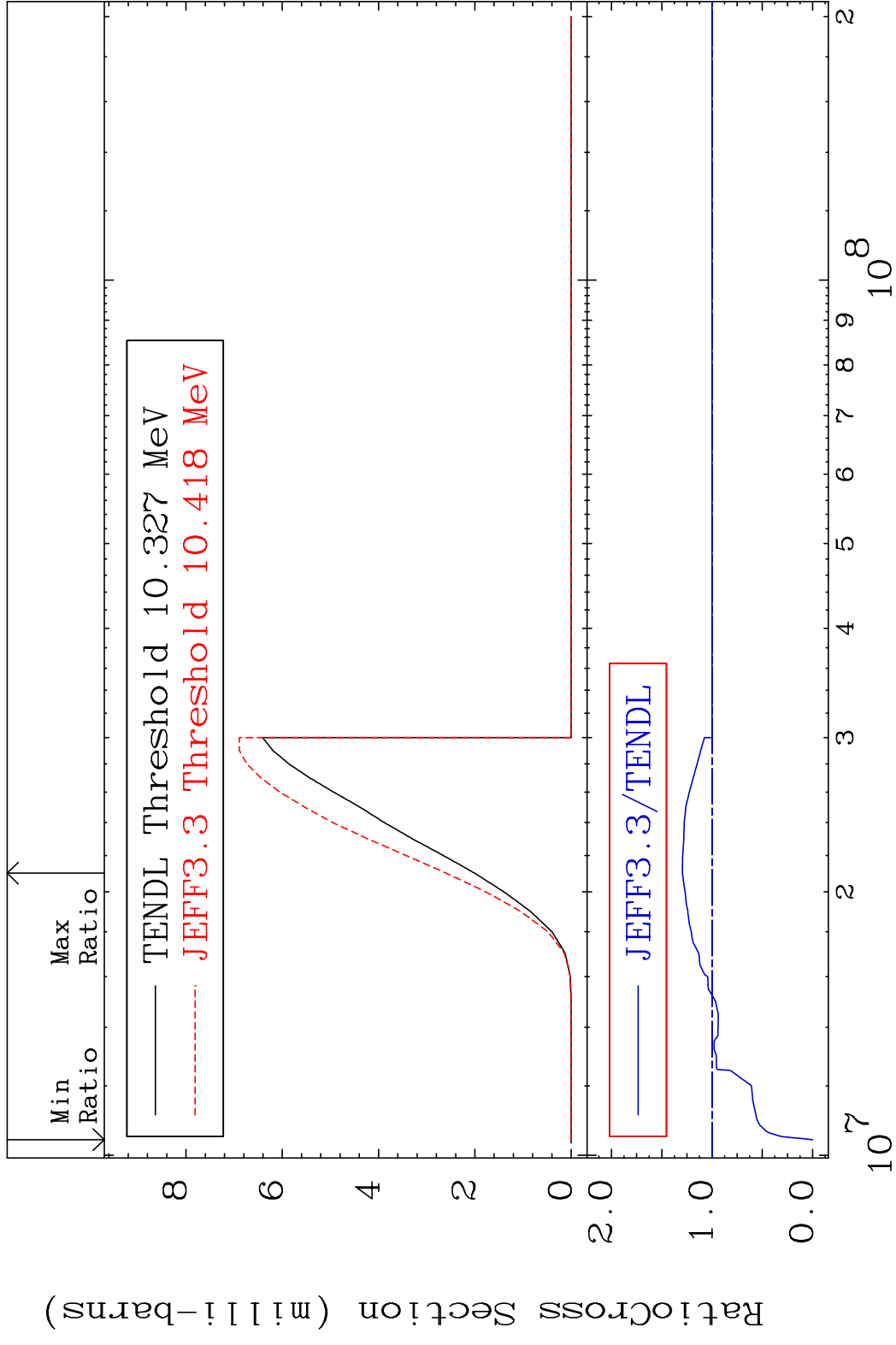
16-S -33

MAT 1628

(n,p) α

16-S -33

Cross Section -100.0 To 29.51 %

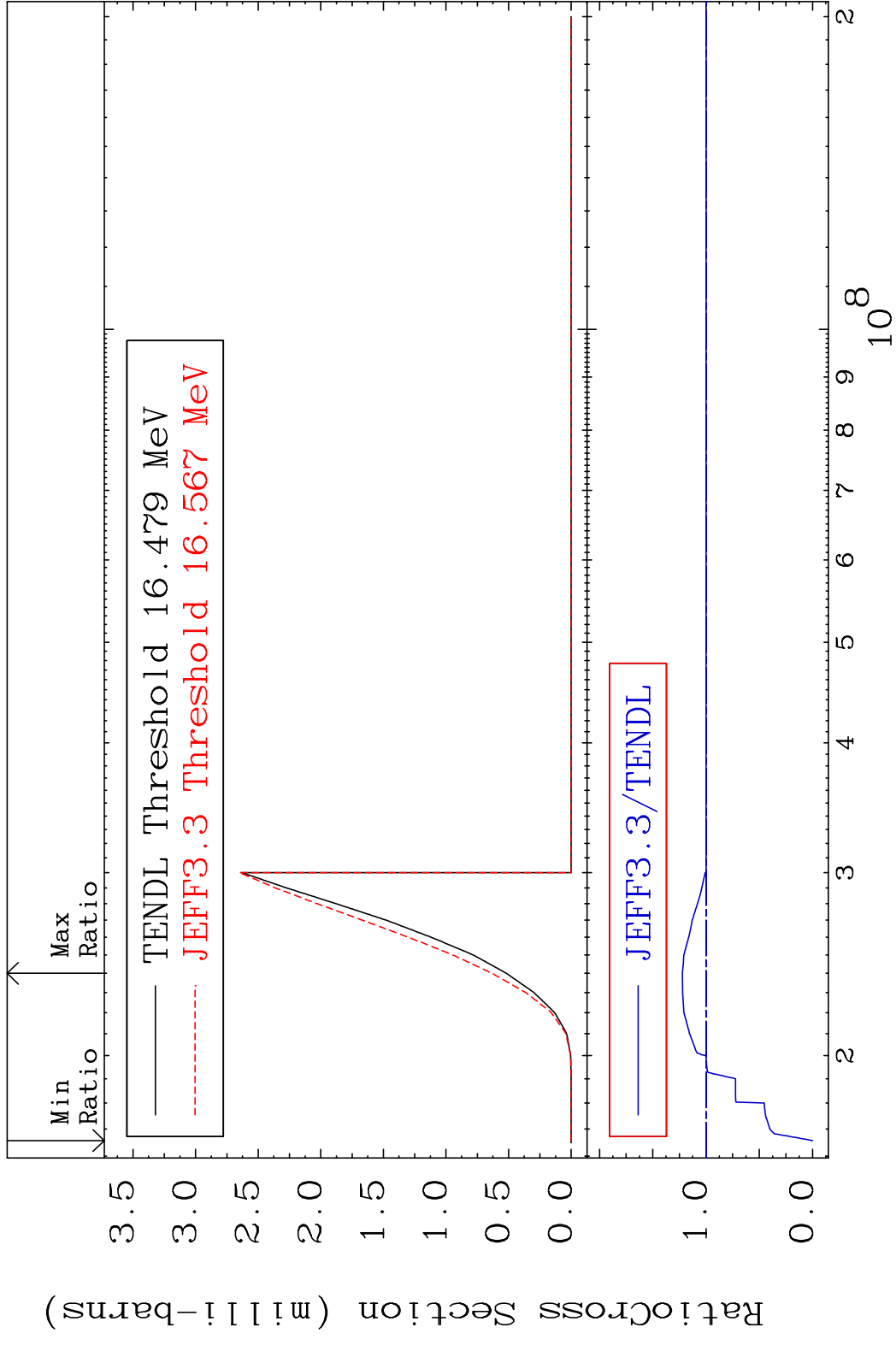


51

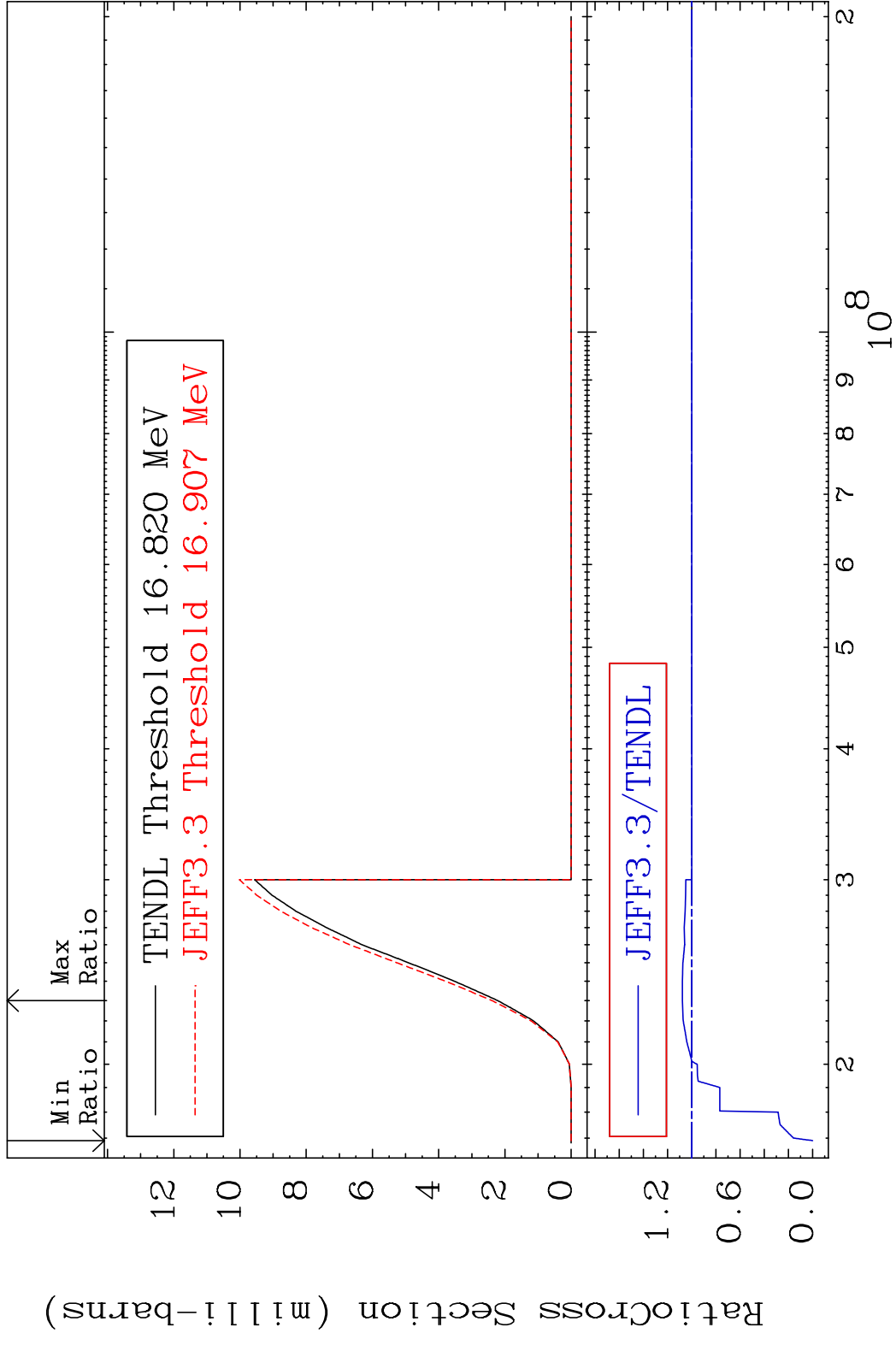
Incident Energy (eV)

16-S -33

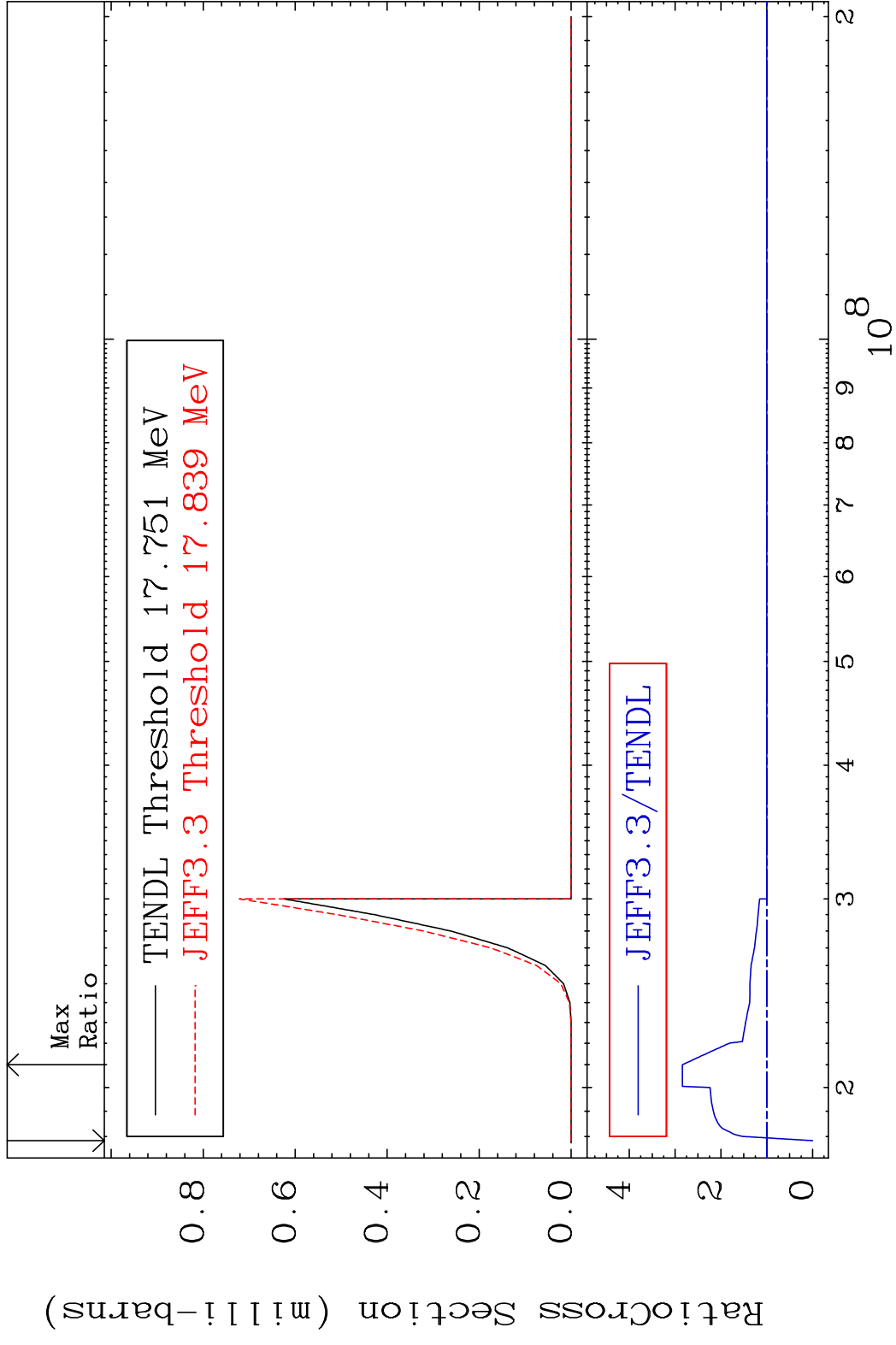
MAT 1628 (n,p) d 16-S -33
 Cross Section -100.0 To 22.22 %



MAT 1628 (n,p) t 16-S -33
 Cross Section -100.0 To 7.701 %



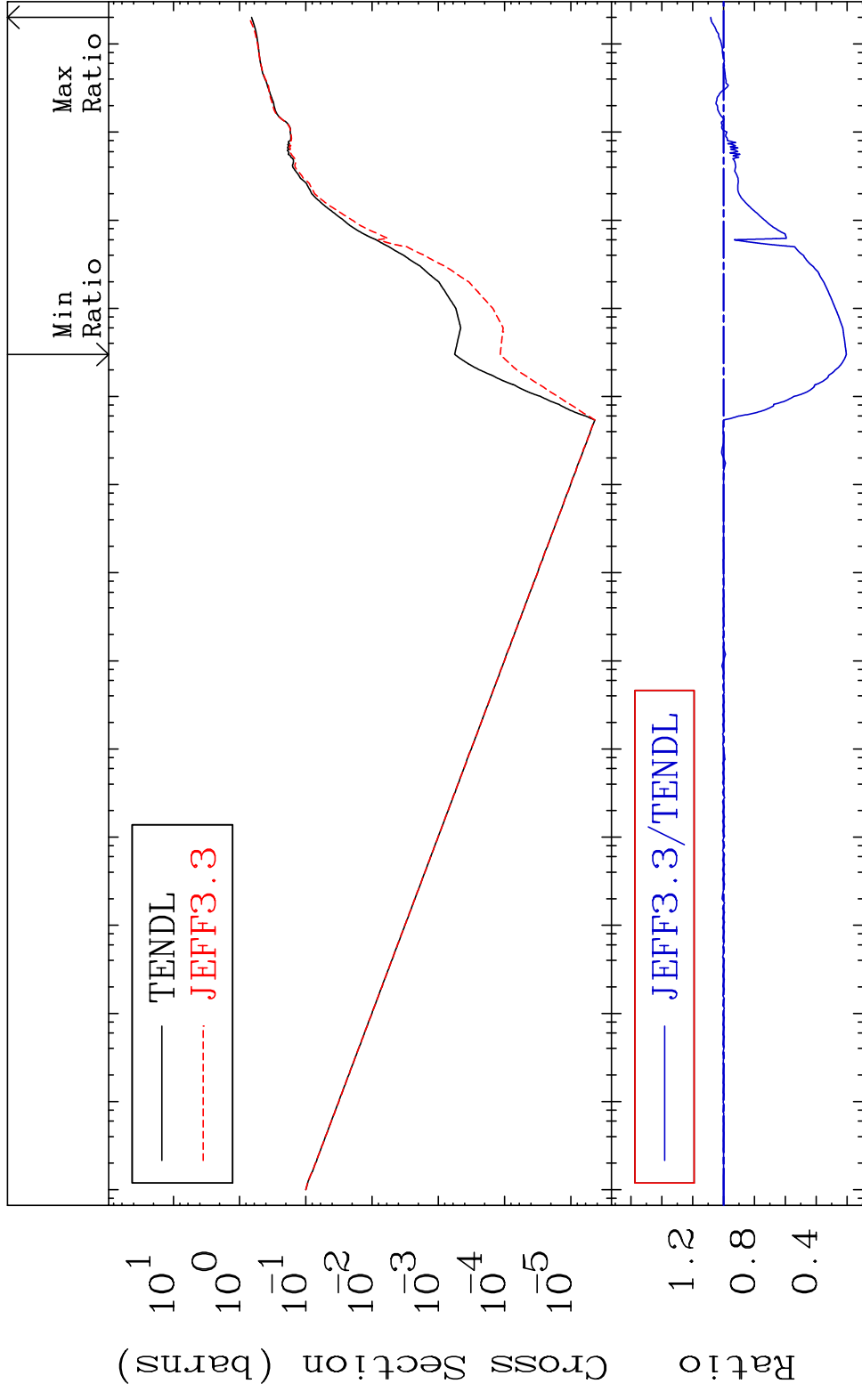
MAT 1628 (n,d) α 16-S -33
 Cross Section -100.0 To 184.2 %



MAT 1628

Hydrogen Production
Cross Section -79.48 To 8.294 %

16-S -33

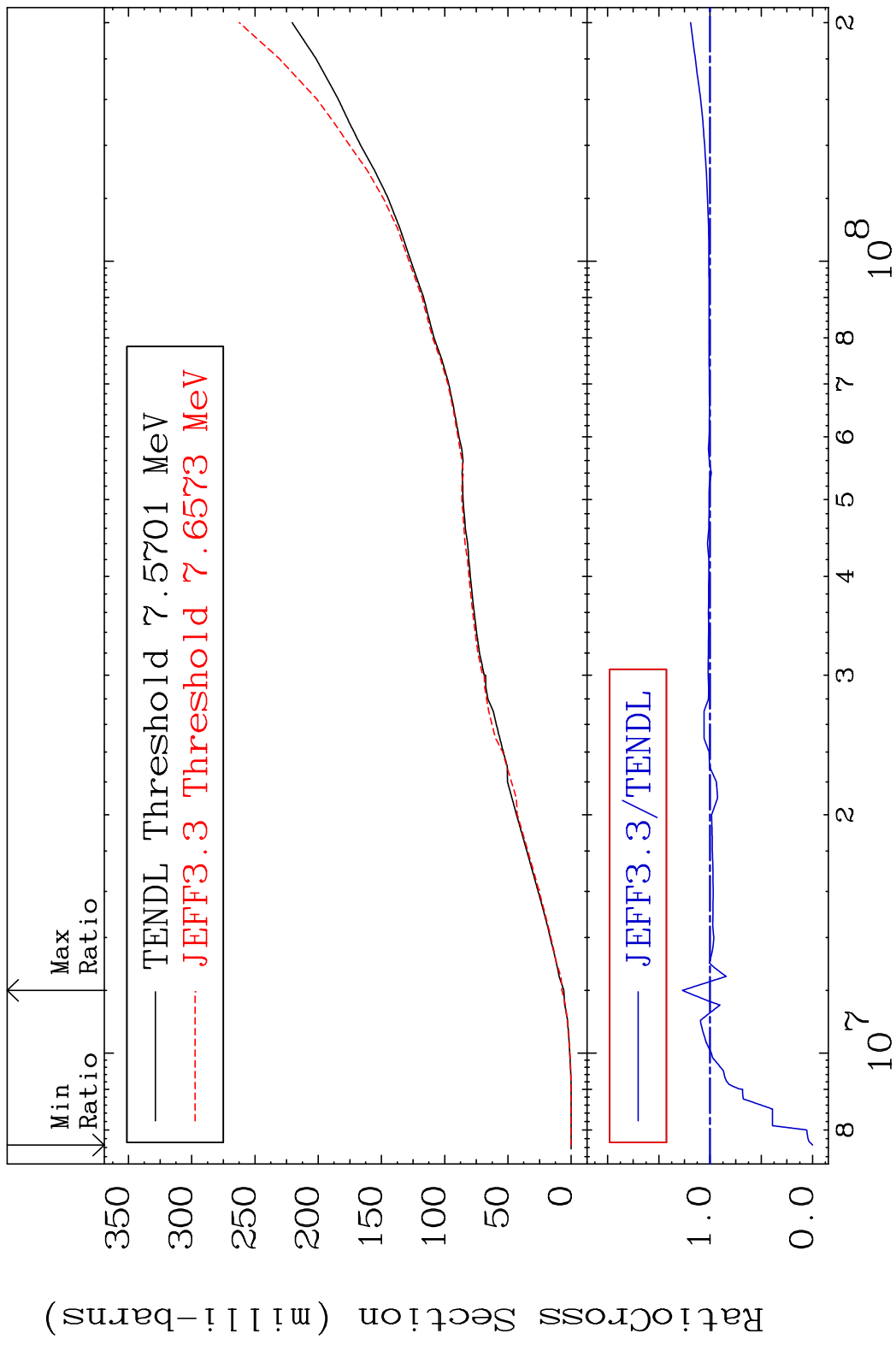


55

Incident Energy (eV)

16-S -33

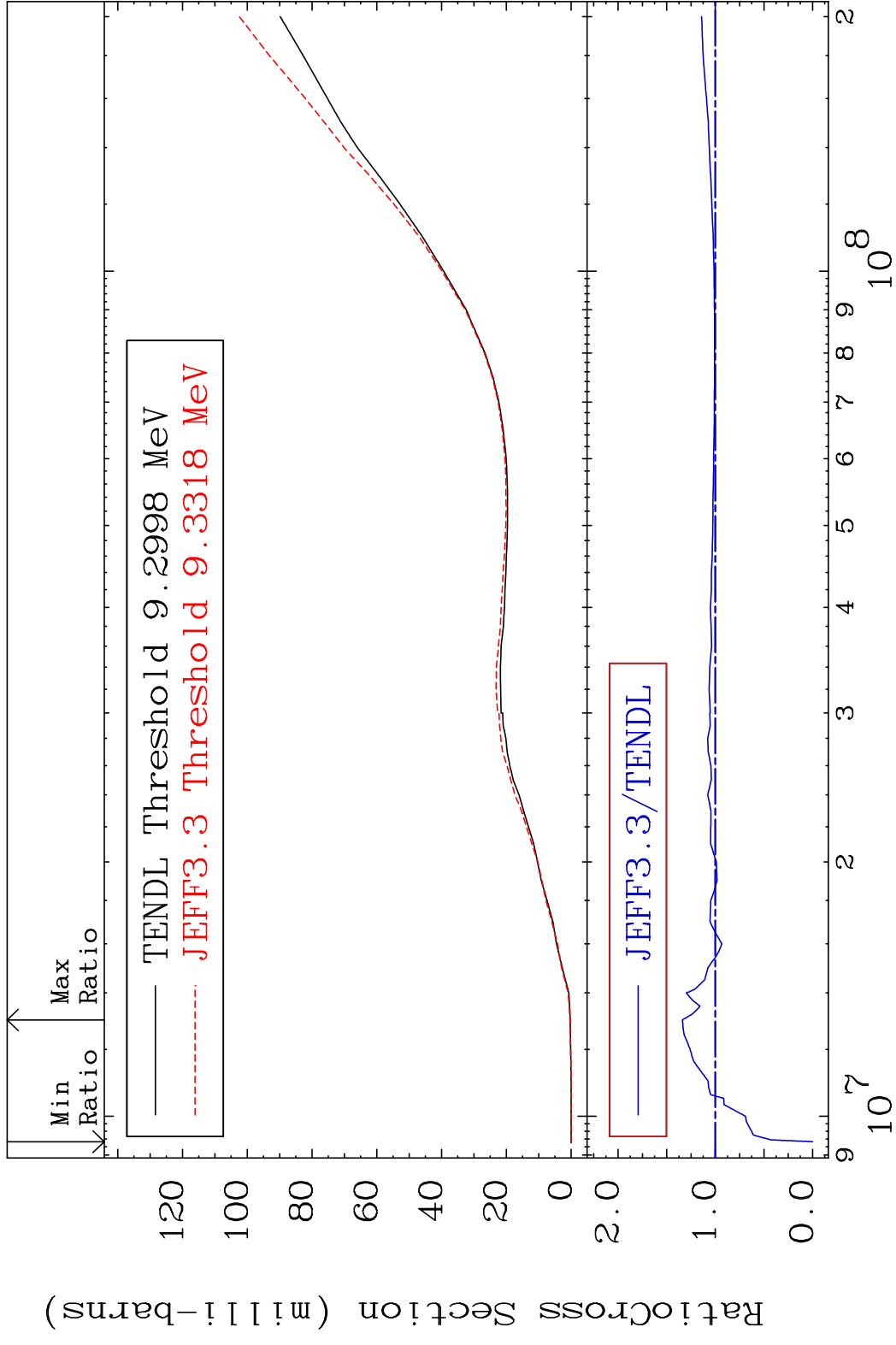
MAT 1628 Deuterium Production 16-S -33
 Cross Section -100.0 To 27.05 %



MAT 1628

Tritium Production
Cross Section -100.0 To 33.90 %

16-S -33

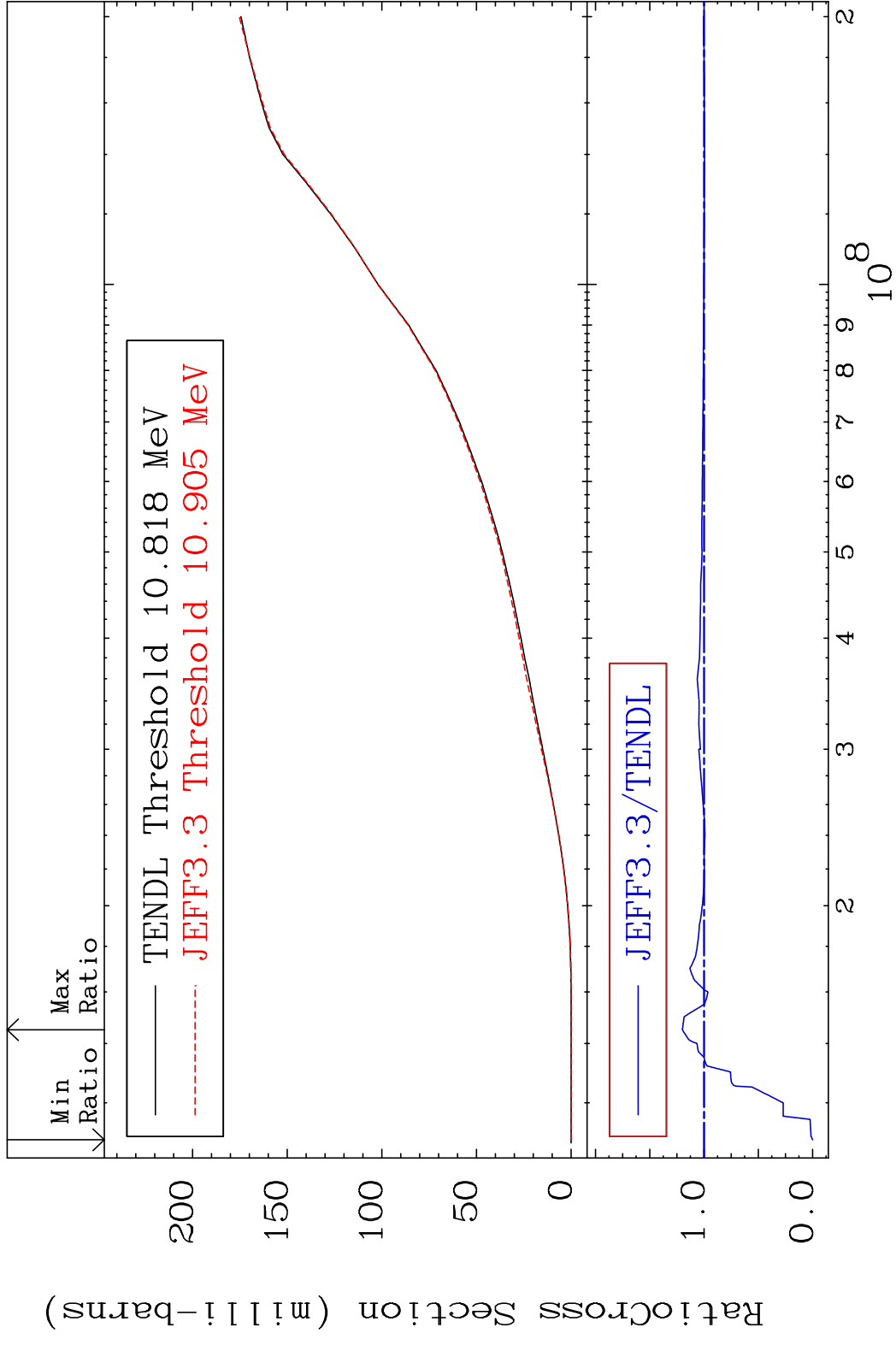


57

Incident Energy (eV)

16-S -33

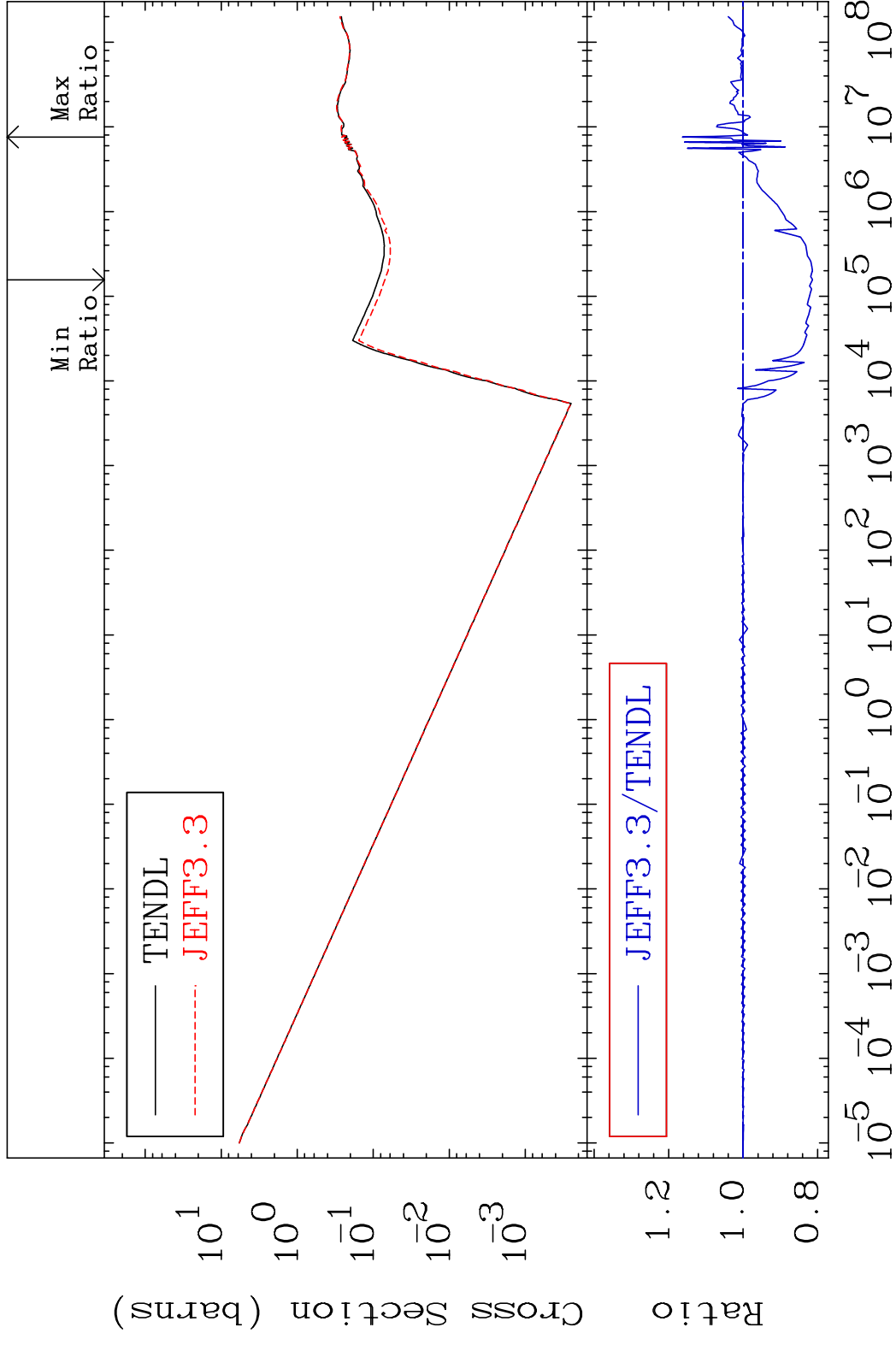
Cross Section -100.0 To 19.94 %



MAT 1628

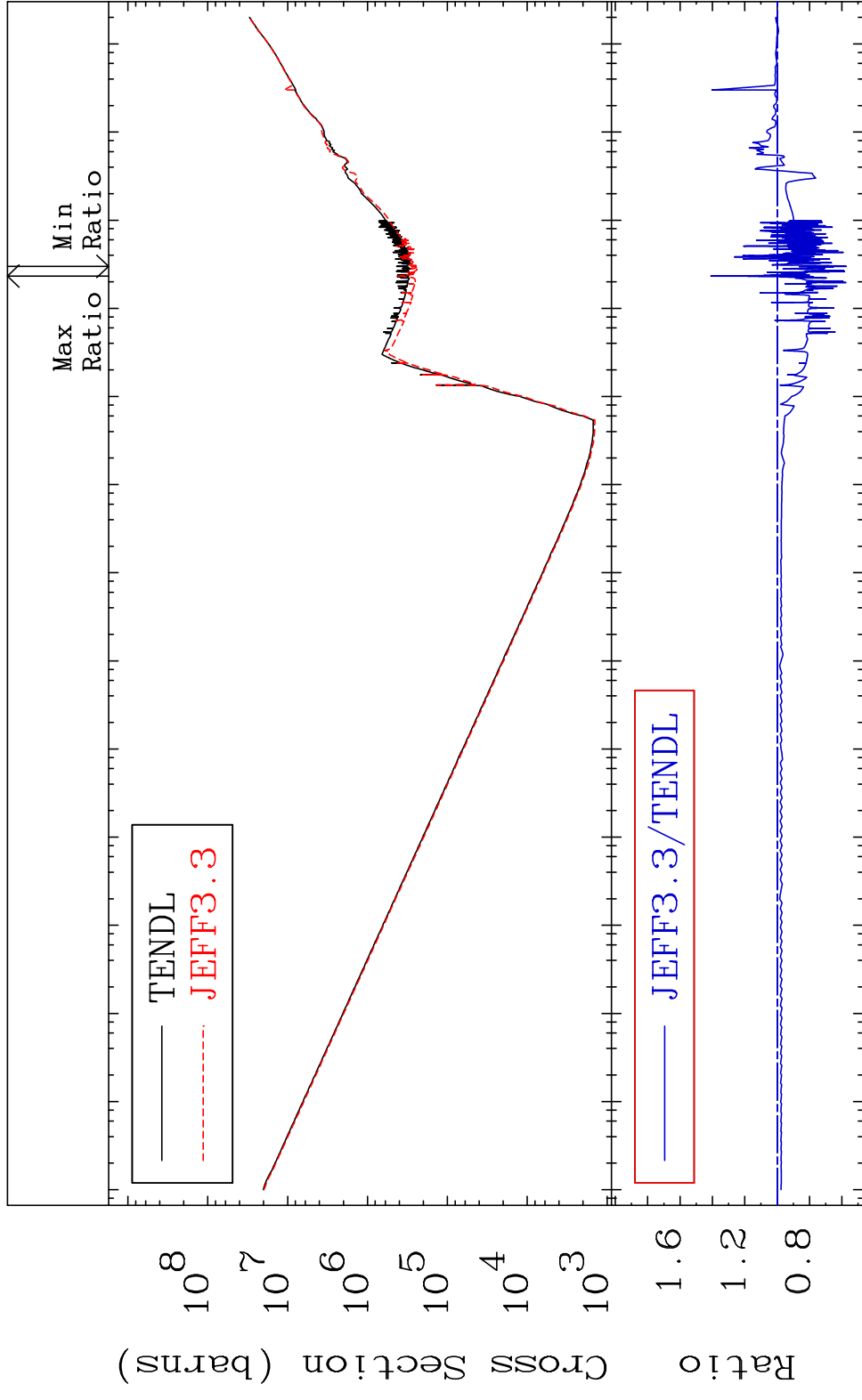
He-4 Production
Cross Section

16-S -33
-18.65 To 16.31 %



MAT 1628

Kerma total (eV-barns) 16-S -33
Cross Section -42.73 To 41.05 %



60

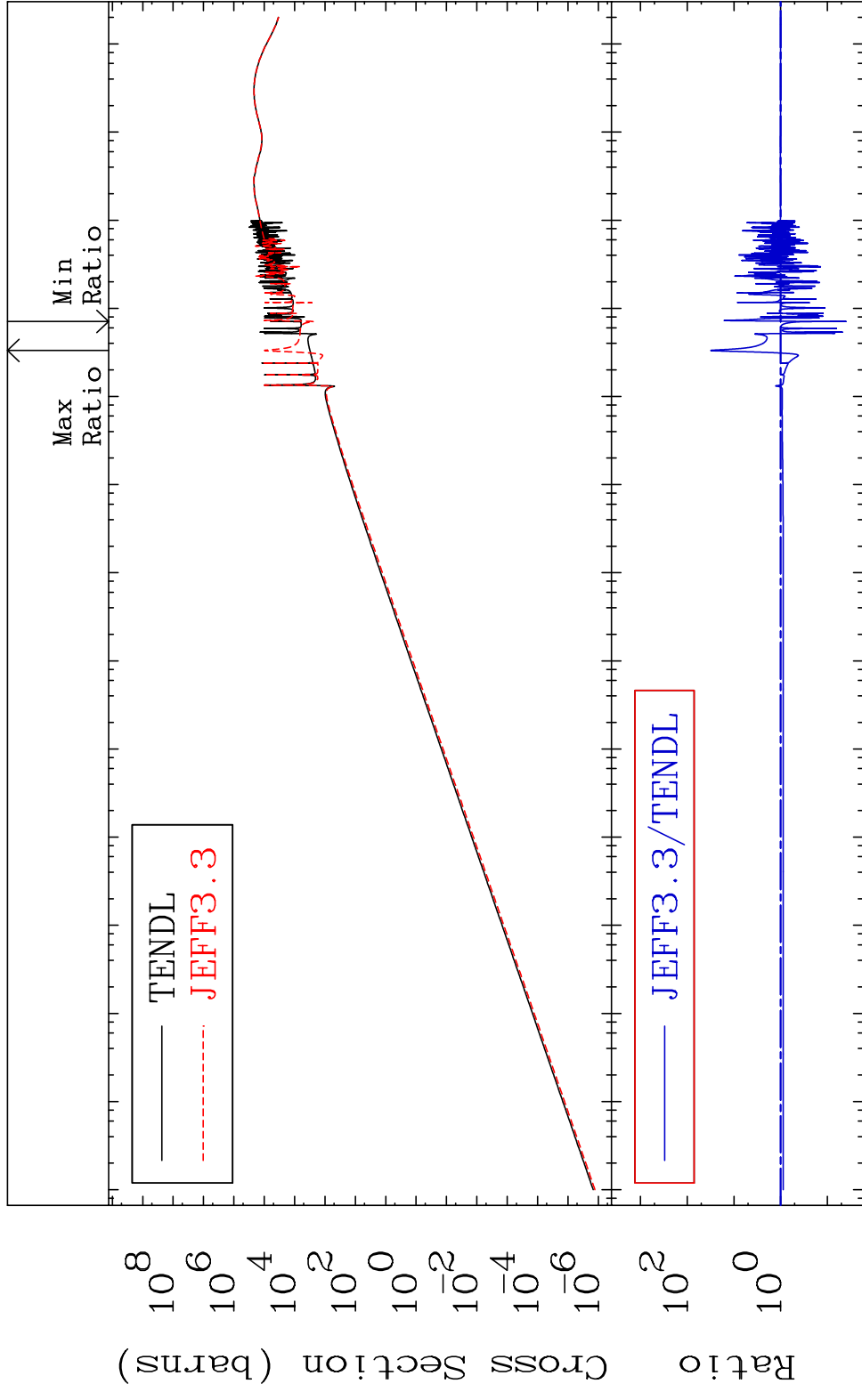
Incident Energy (eV)

16-S -33

MAT 1628

Kerma elastic
Cross Section

16-S -33
-96.08 To 3038. %

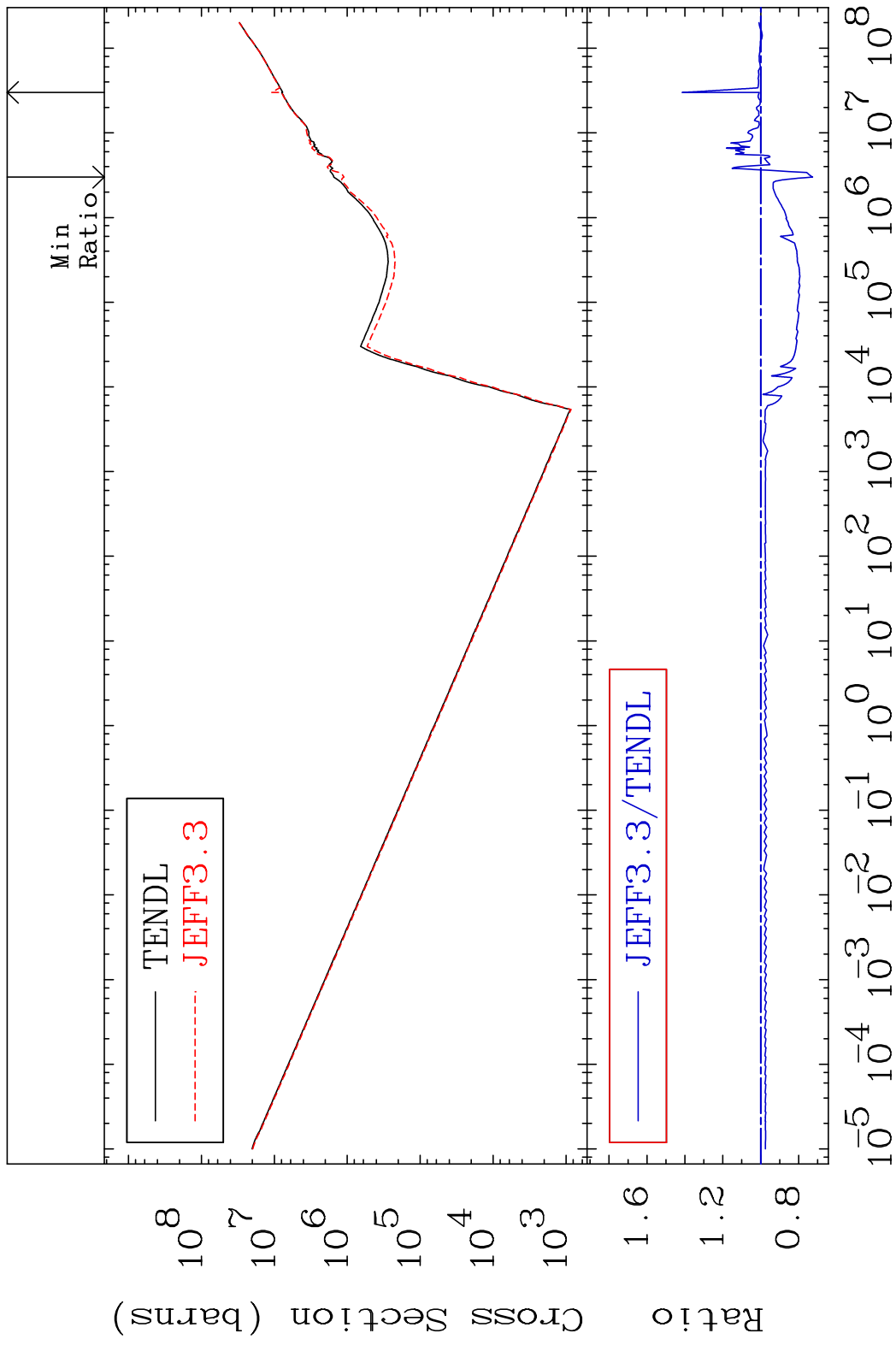


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Incident Energy (eV)

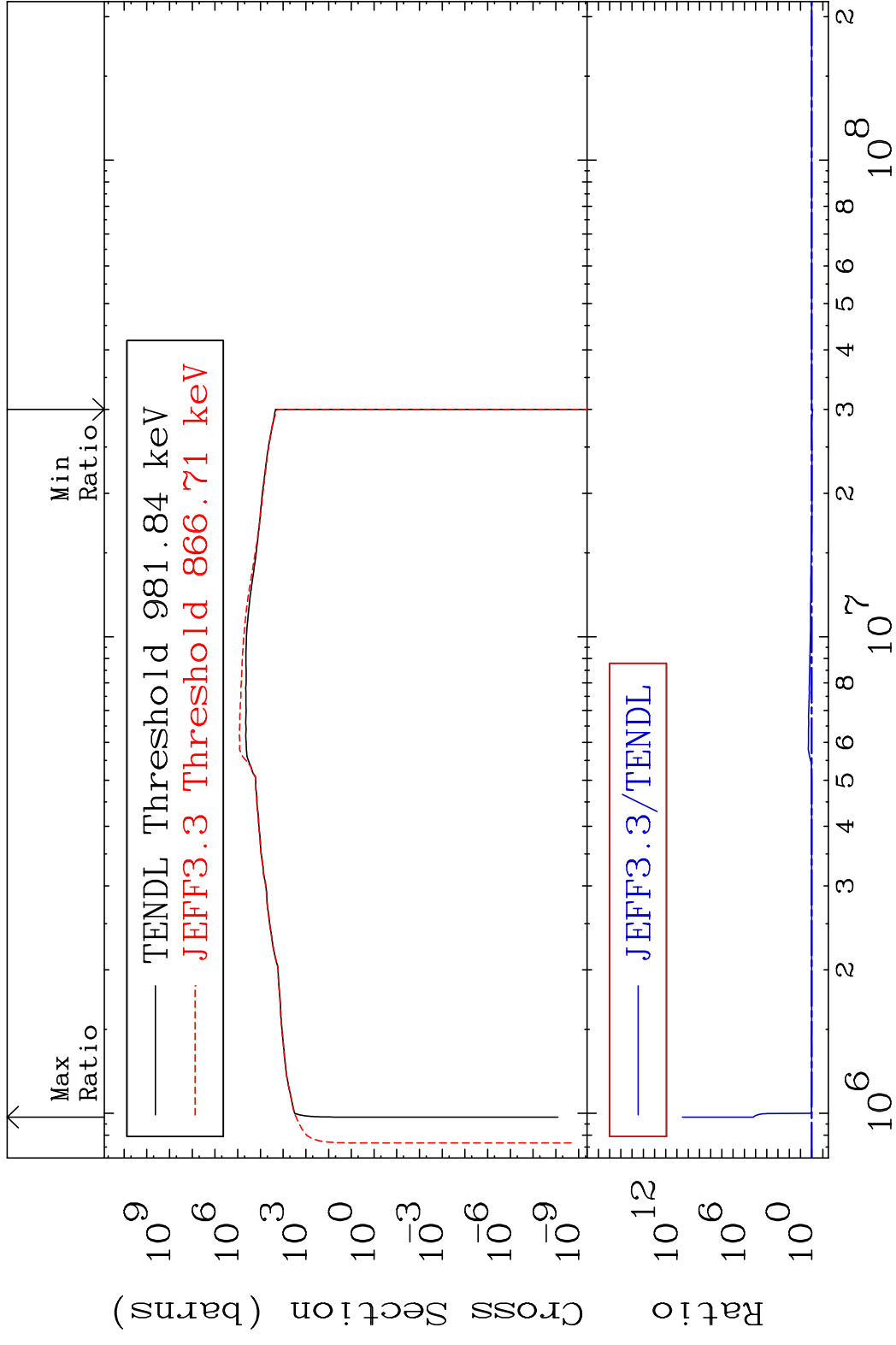
16-S -33

MAT 1628 Kerma non-elastic (all but mt2) 16-S -33
 Cross Section -27.33 To 41.34 %

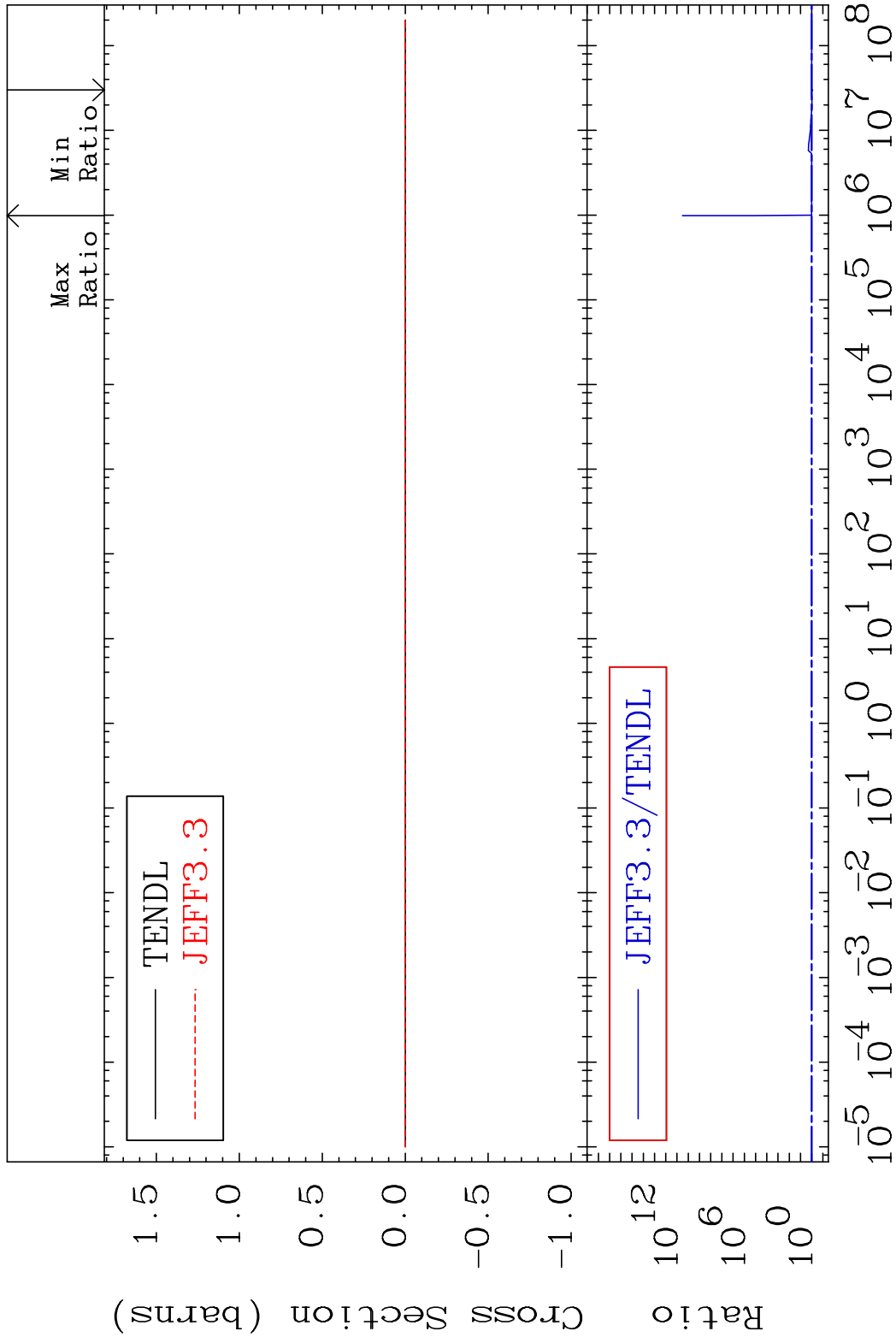


62 Incident Energy (eV) 16-S -33

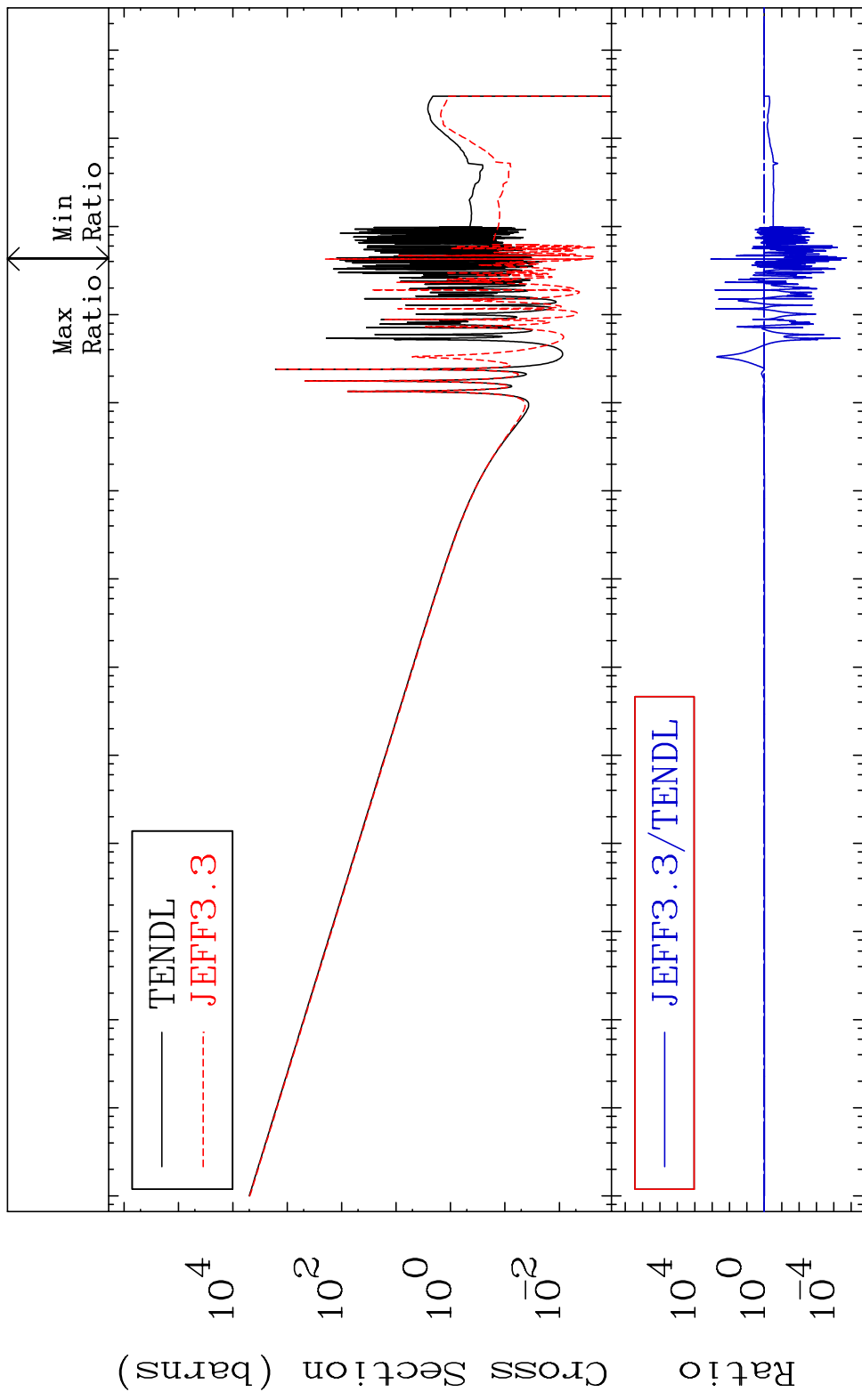
MAT 1628 Kerma inelastic (mt51-91) 16-S -33
 Cross Section -16.03 To 9999. %



MAT 1628 Kerma fission (mt18 or mt19-20-21-38) 16-S -33
 Cross Section -16.03 To 9999. %



MAT 1628 Kerma capture (mt102) 16-S -33
 Cross Section -100.0 To 9999. %



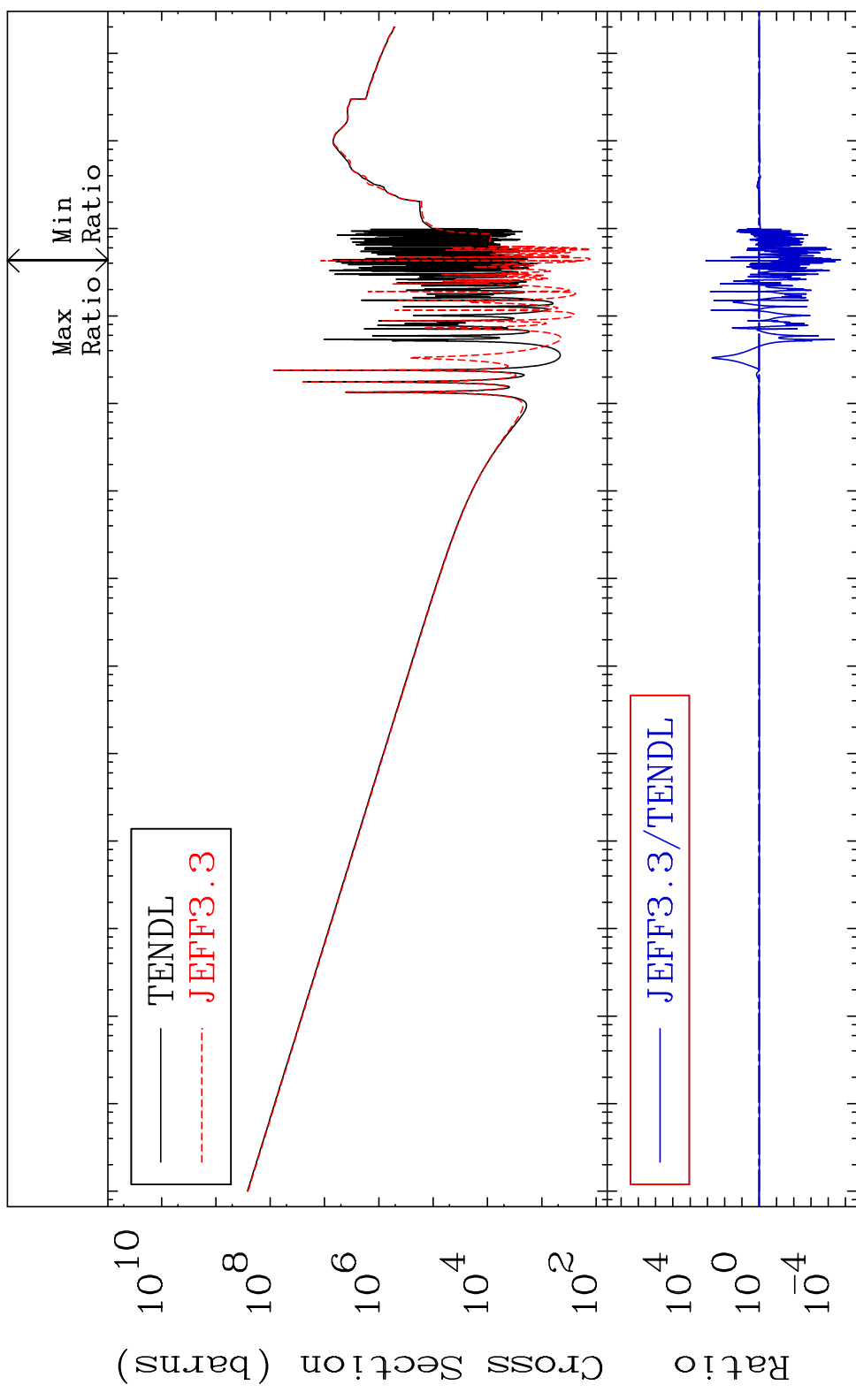
65 Incident Energy (eV) 16-S -33

MAT 1628

Total photon (eV-barns)

16-S -33

Cross Section -100.0 To 9999. %

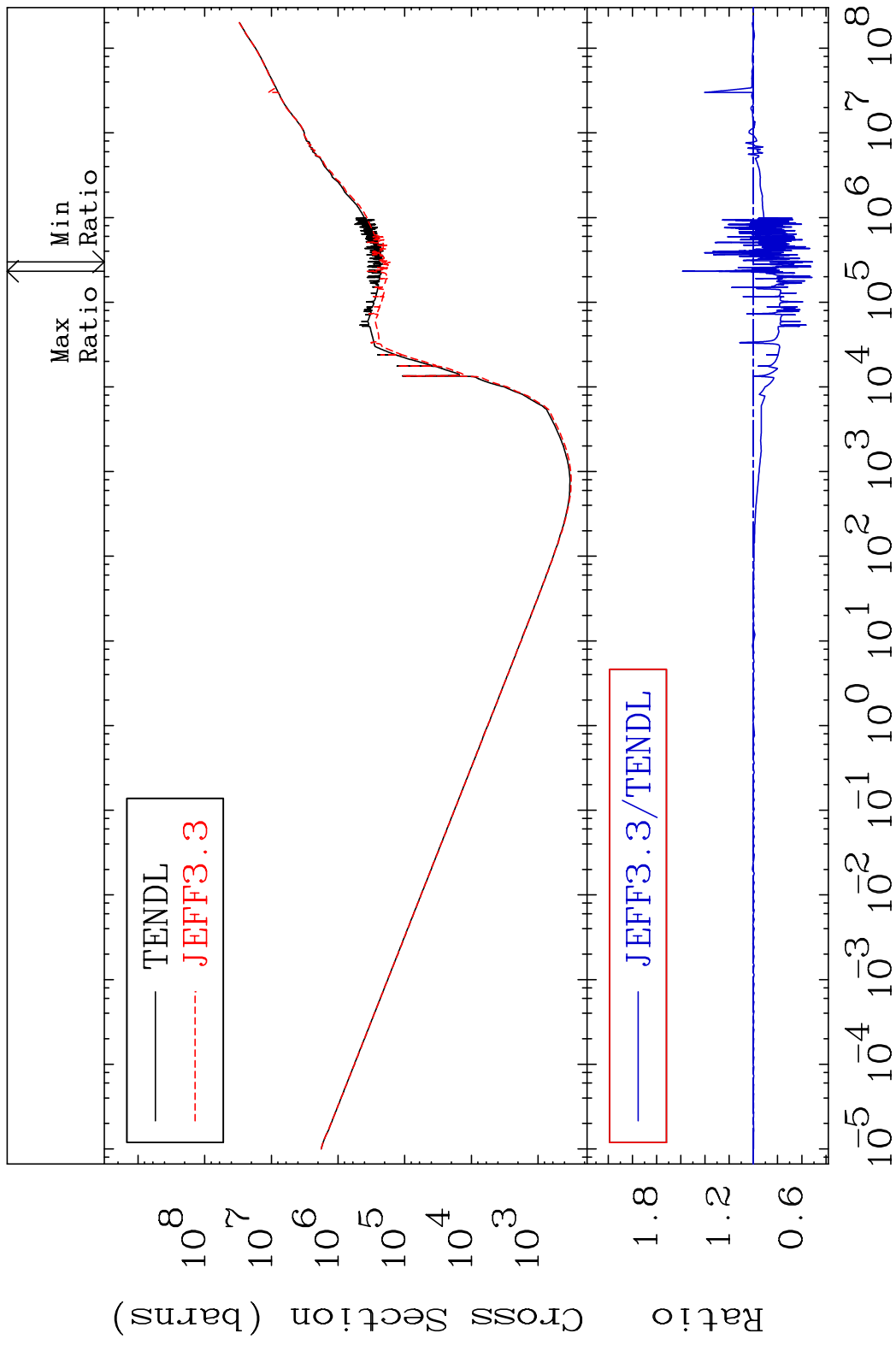


66

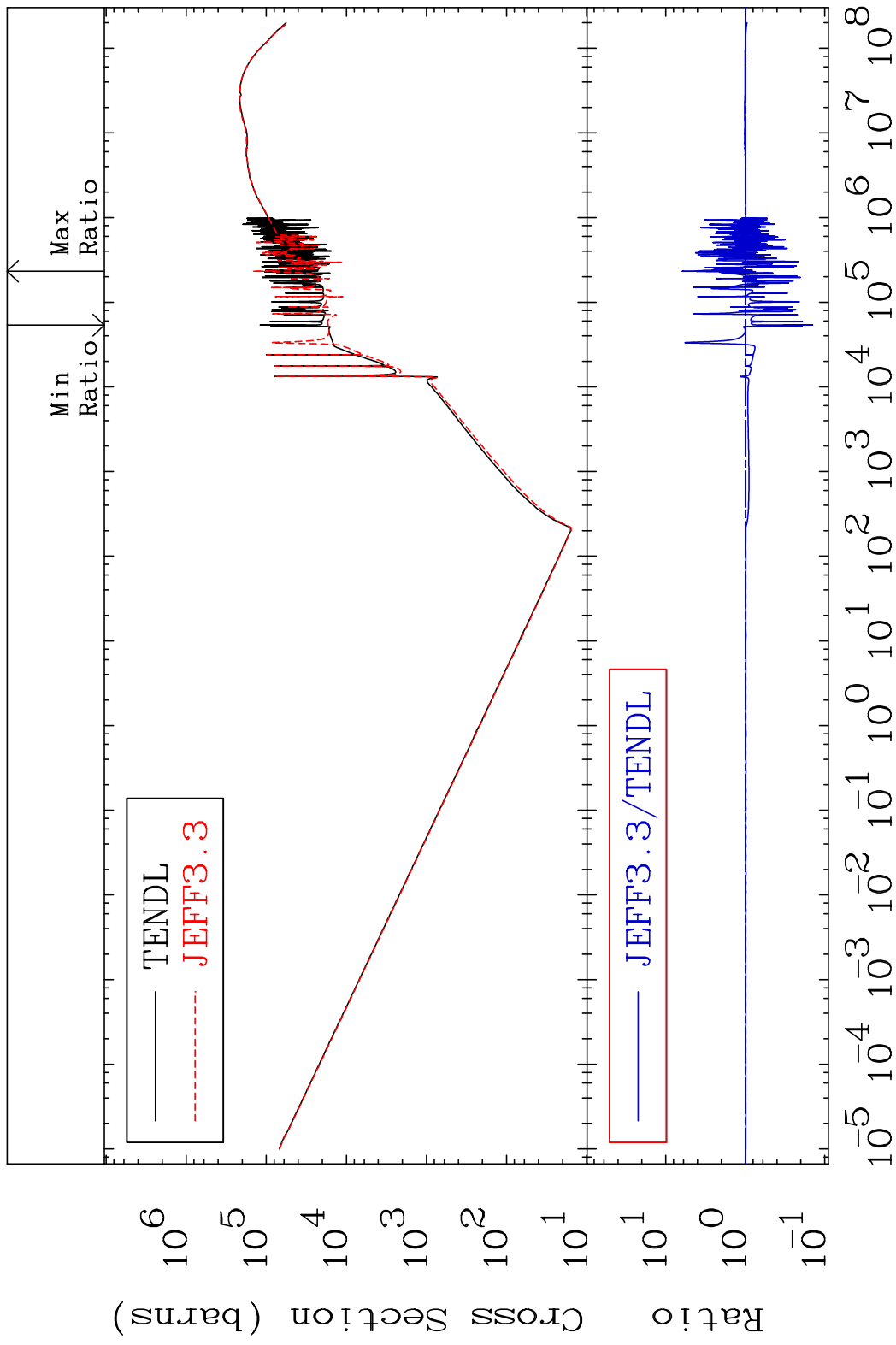
Incident Energy (eV)

16-S -33

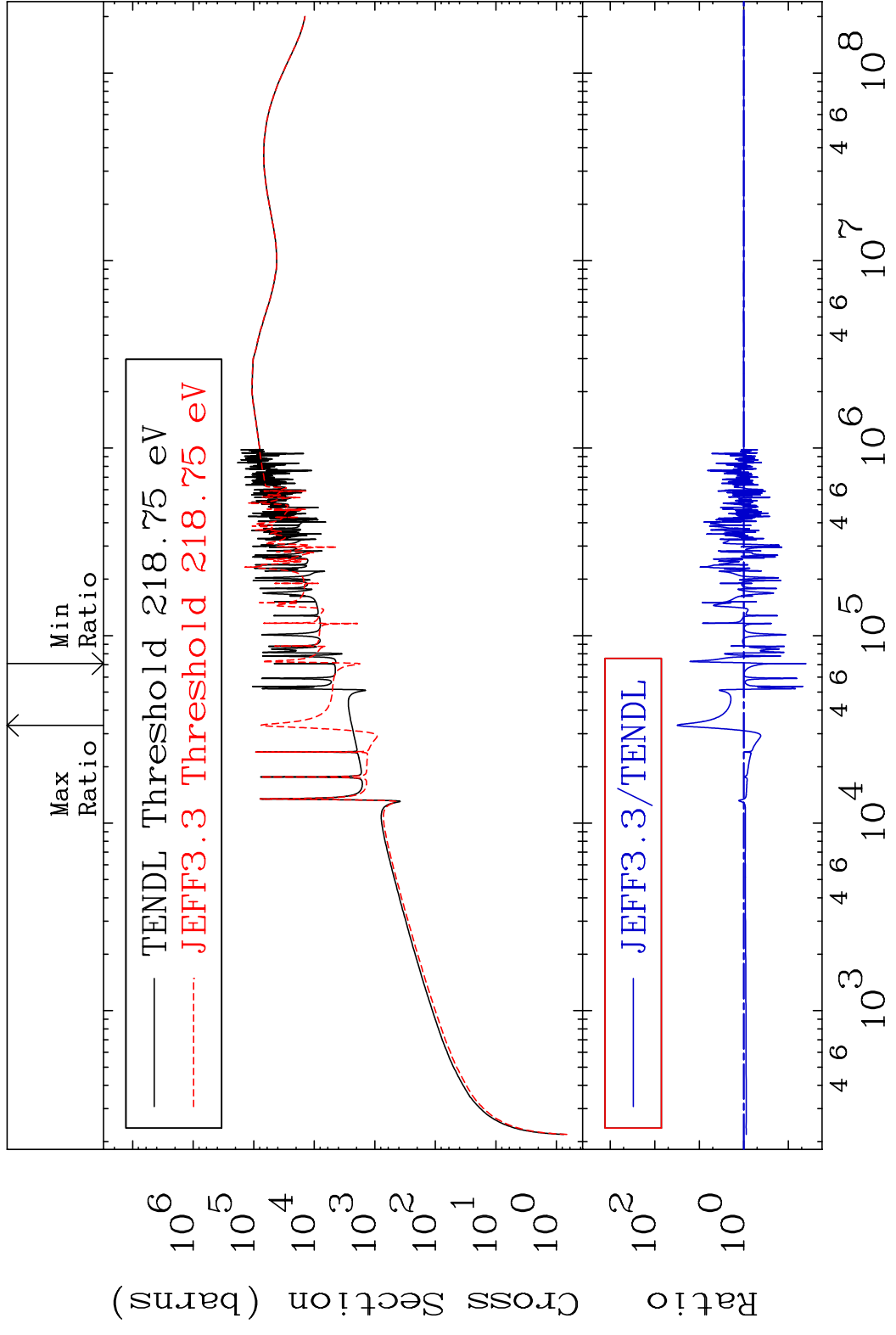
MAT 1628 Total kinematic kerma (high limit) 16-S -33
Cross Section -48.91 To 58.69 %



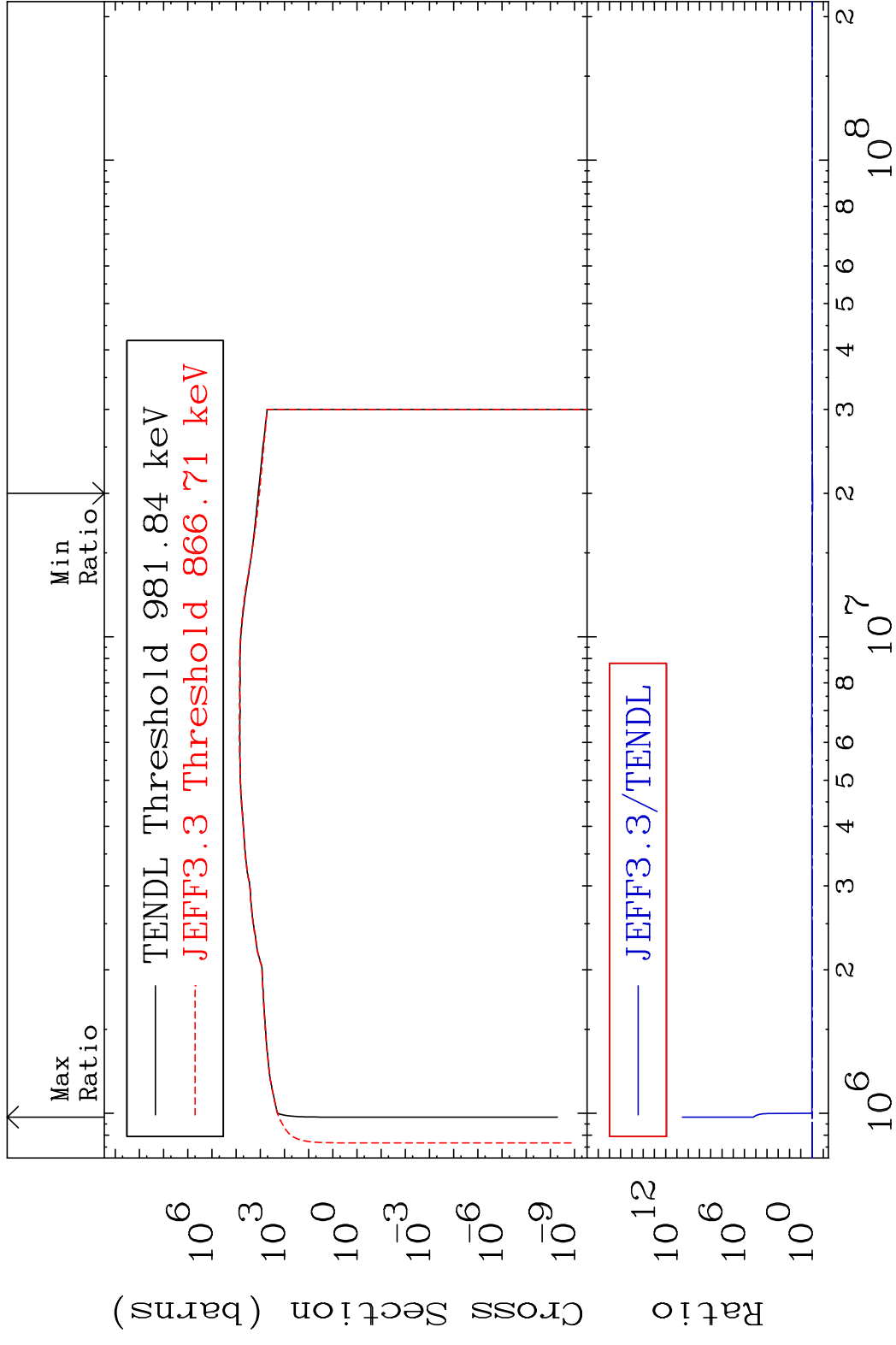
MAT 1628 Dpa total (eV-barns) 16-S -33
 Cross Section -85.75 To 519.6 %



MAT 1628 Dpa elastic (mt2) 16-S -33
 Cross Section -96.08 To 3038. %

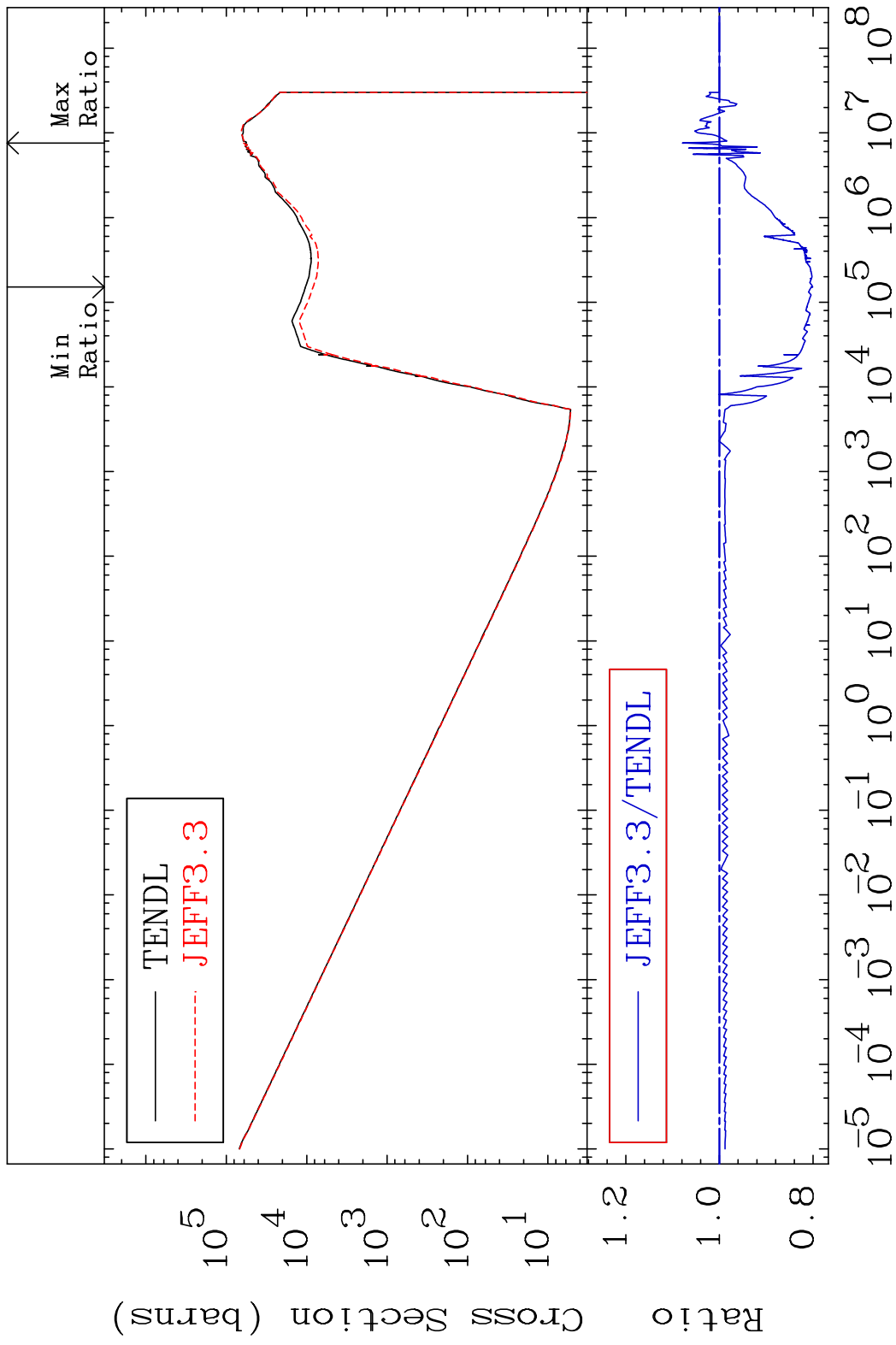


MAT 1628 Dpa inelastic (mt51-91) 16-S -33
 Cross Section -9.941 To 9999. %



70 Incident Energy (eV) 16-S -33

MAT 1628 Dpa disappearance (mt102 -120) 16-S -33
 Cross Section -19.90 To 7.922 %



71 Incident Energy (eV) 16-S -33