

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

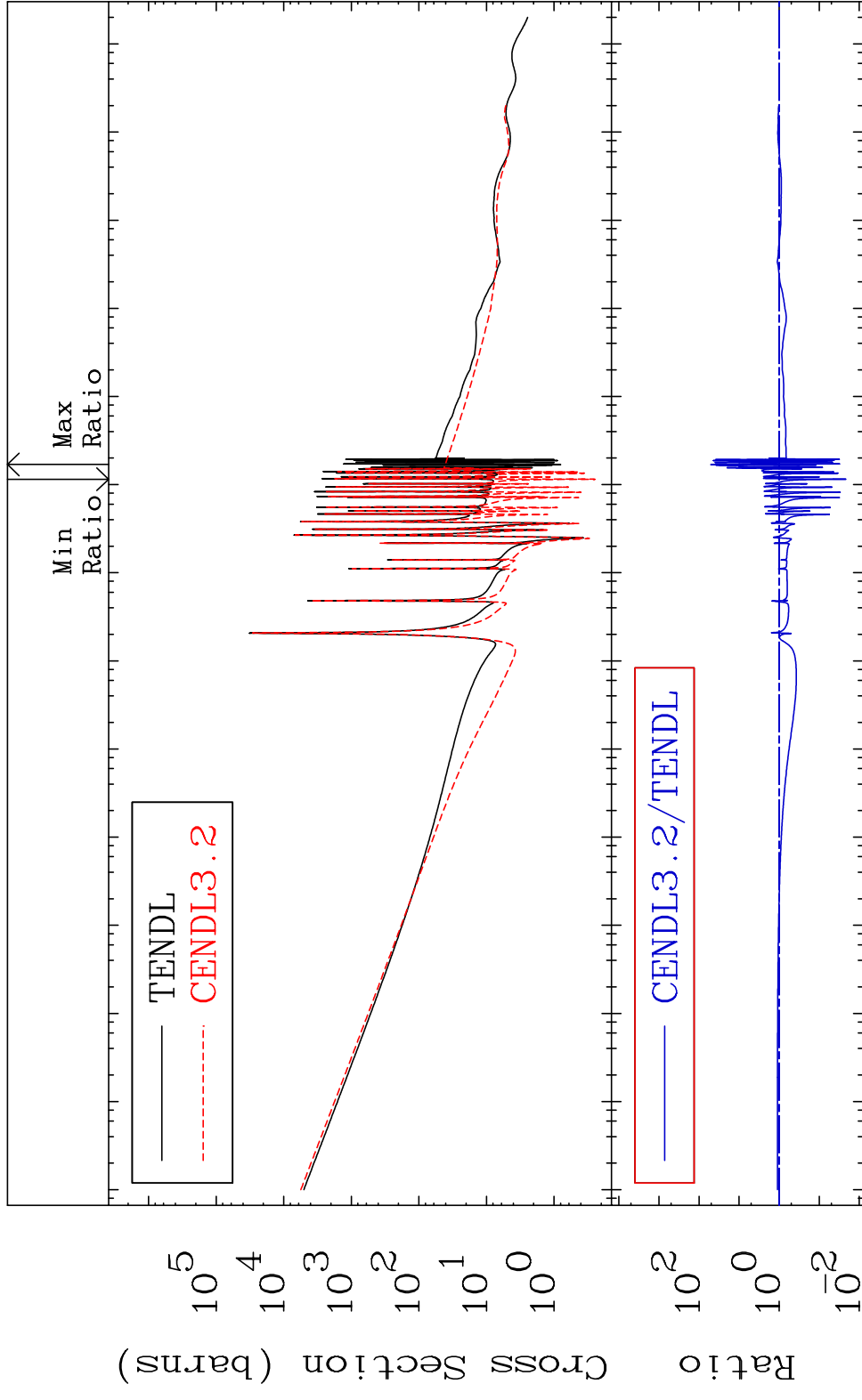
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6243

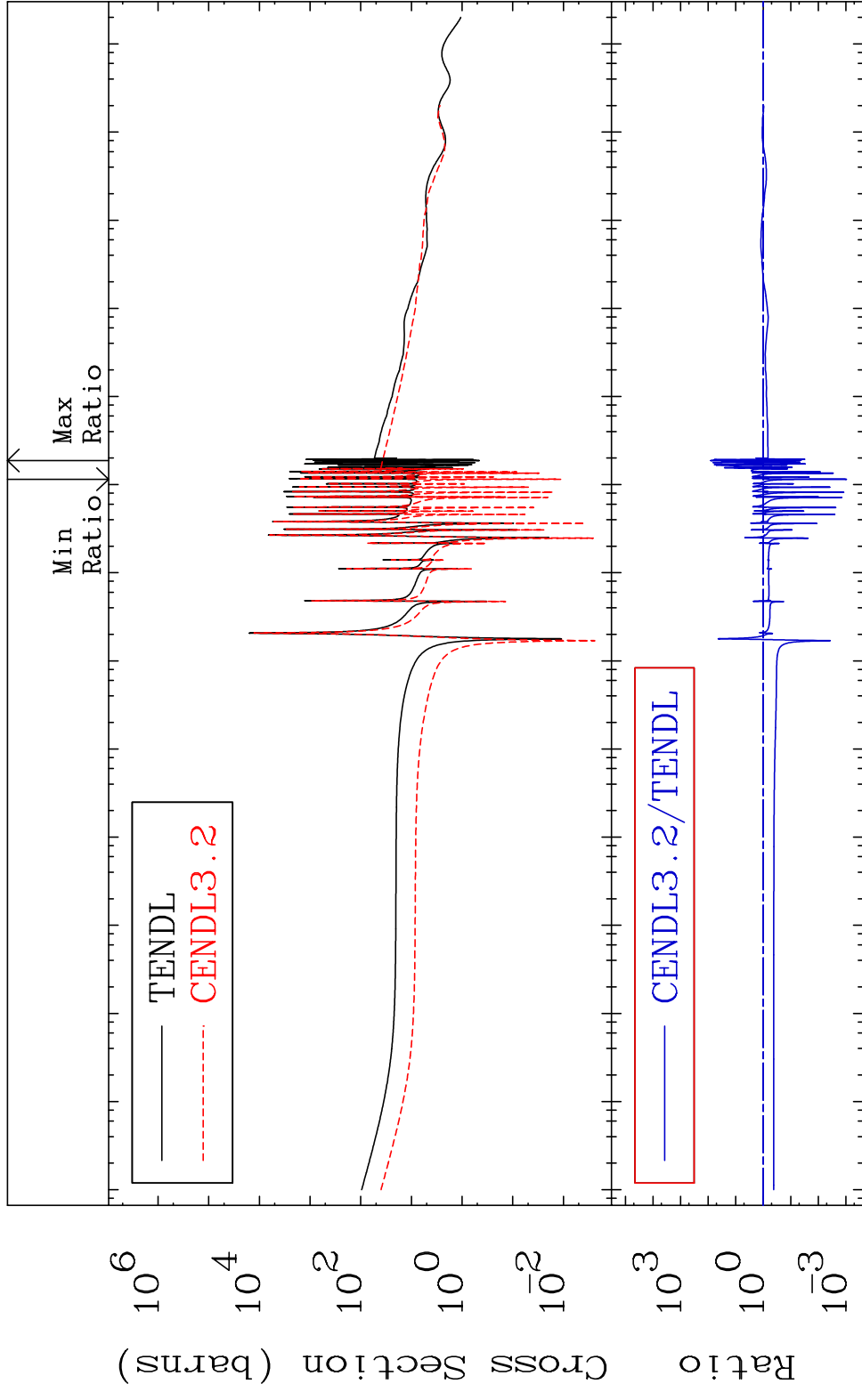
Total Cross Section -97.89 To 5015. %
62-Sm-150



1 62-Sm-150

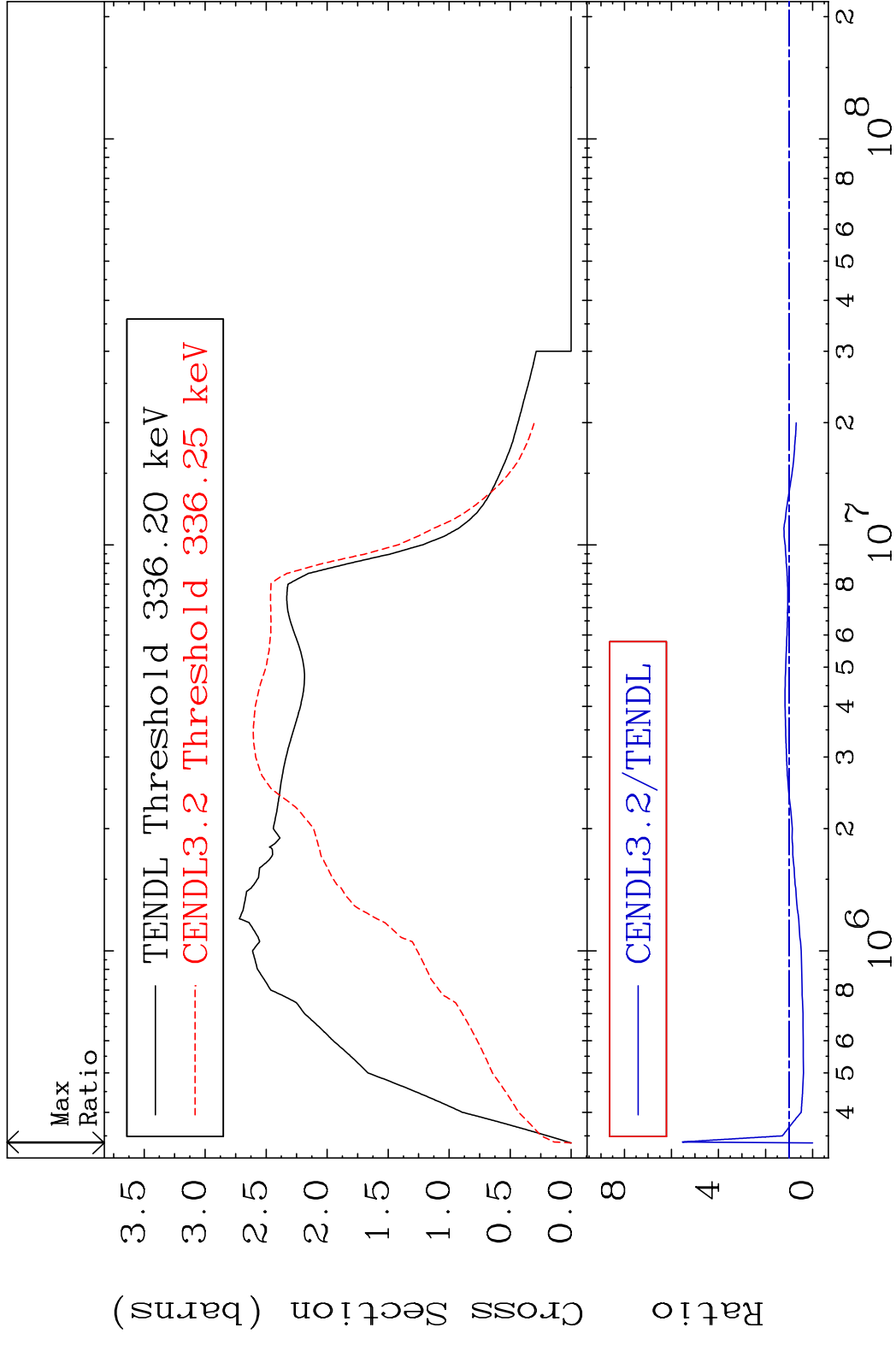
MAT 6243

Elastic Cross Section -99.90 To 7999. %
62-Sm-150



2 Incident Energy (eV) 62-Sm-150

MAT 6243 Inelastic 62-Sm-150
 Cross Section -100.0 To 453.7 %



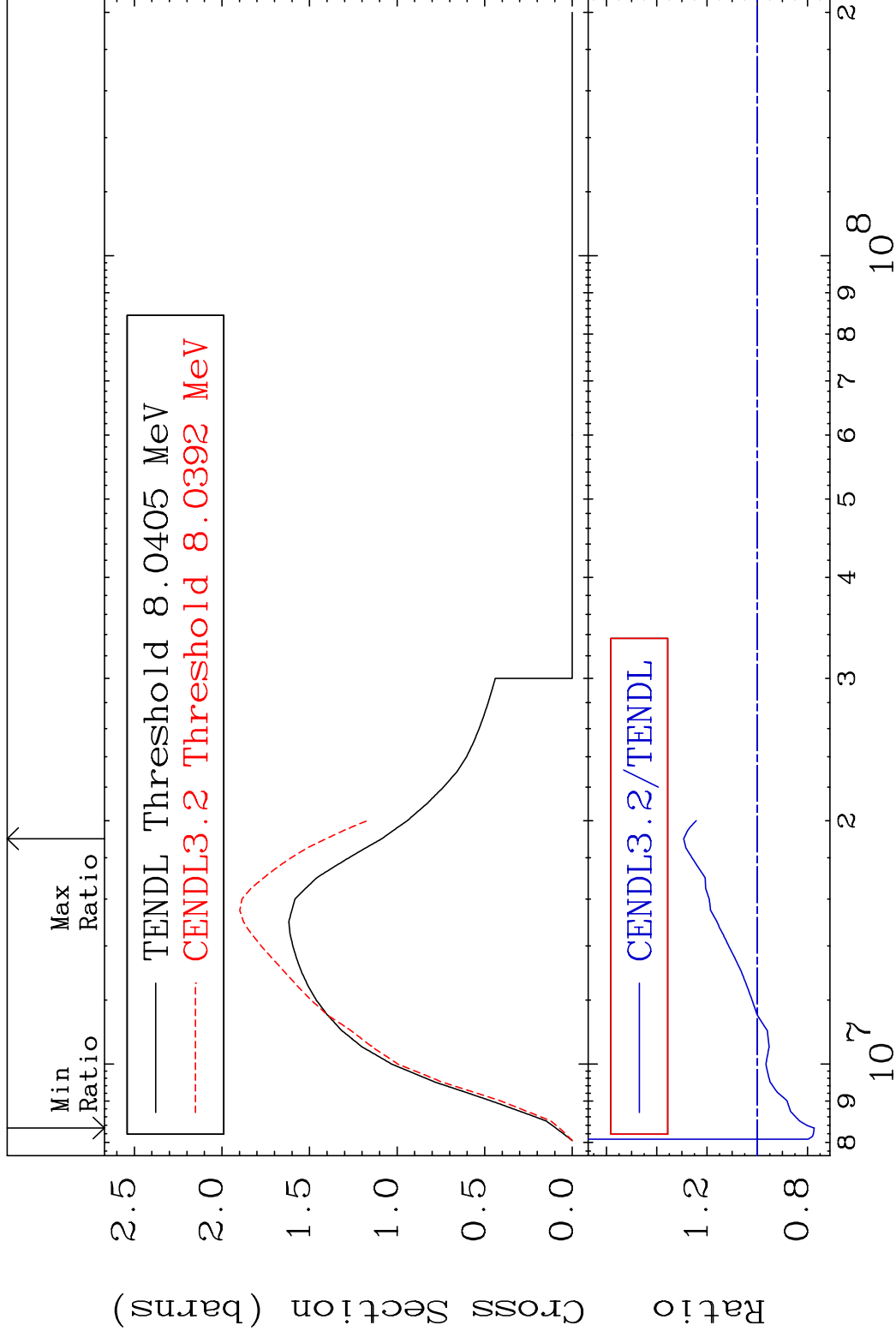
3 Incident Energy (eV) 62-Sm-150

MAT 6243

(n,2n)

62-Sm-150

Cross Section -22.63 To 29.25 %



4

Incident Energy (eV)

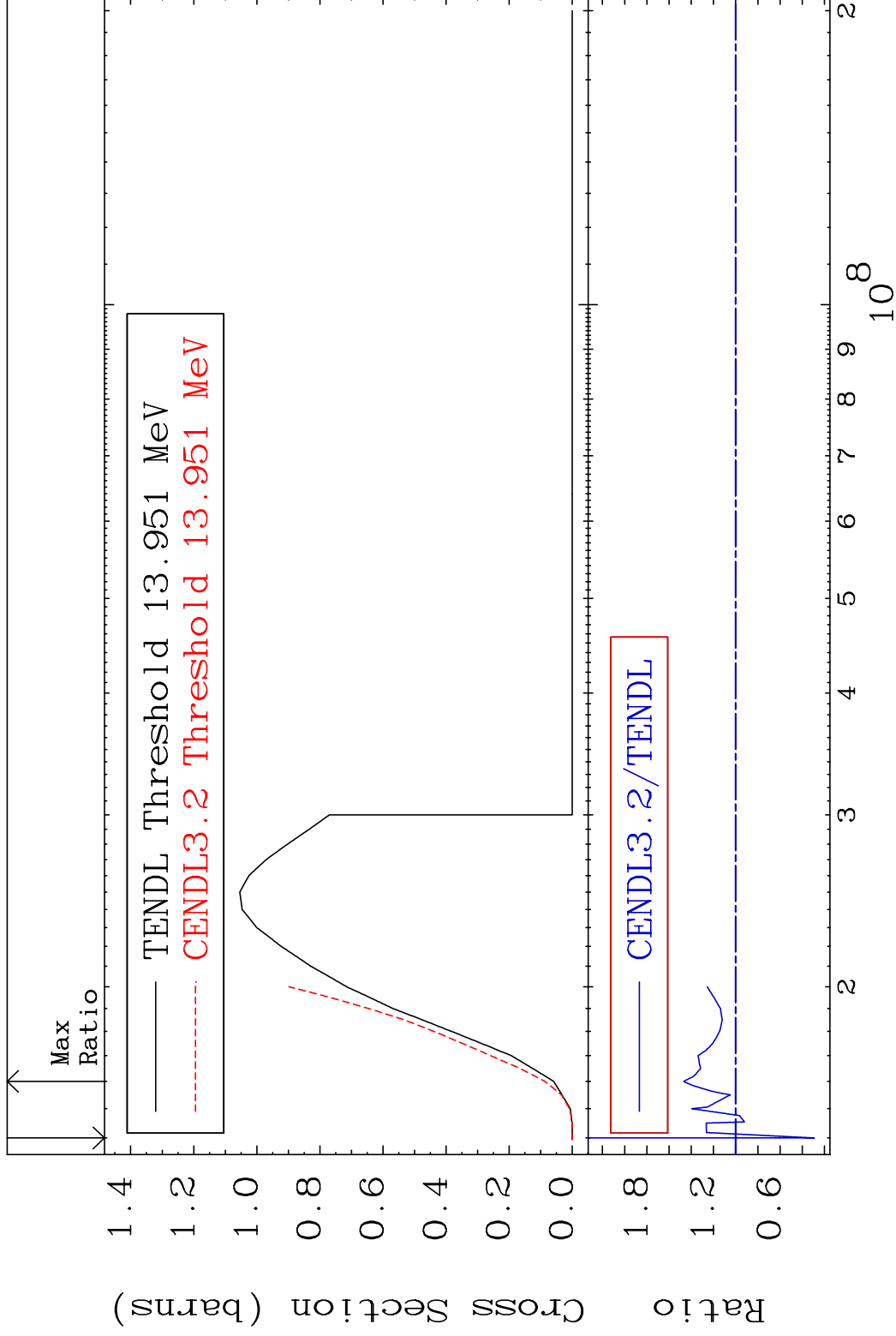
62-Sm-150

MAT 6243

(n,3n)

62-Sm-150

Cross Section -70.68 To 46.84 %



5

Incident Energy (eV)

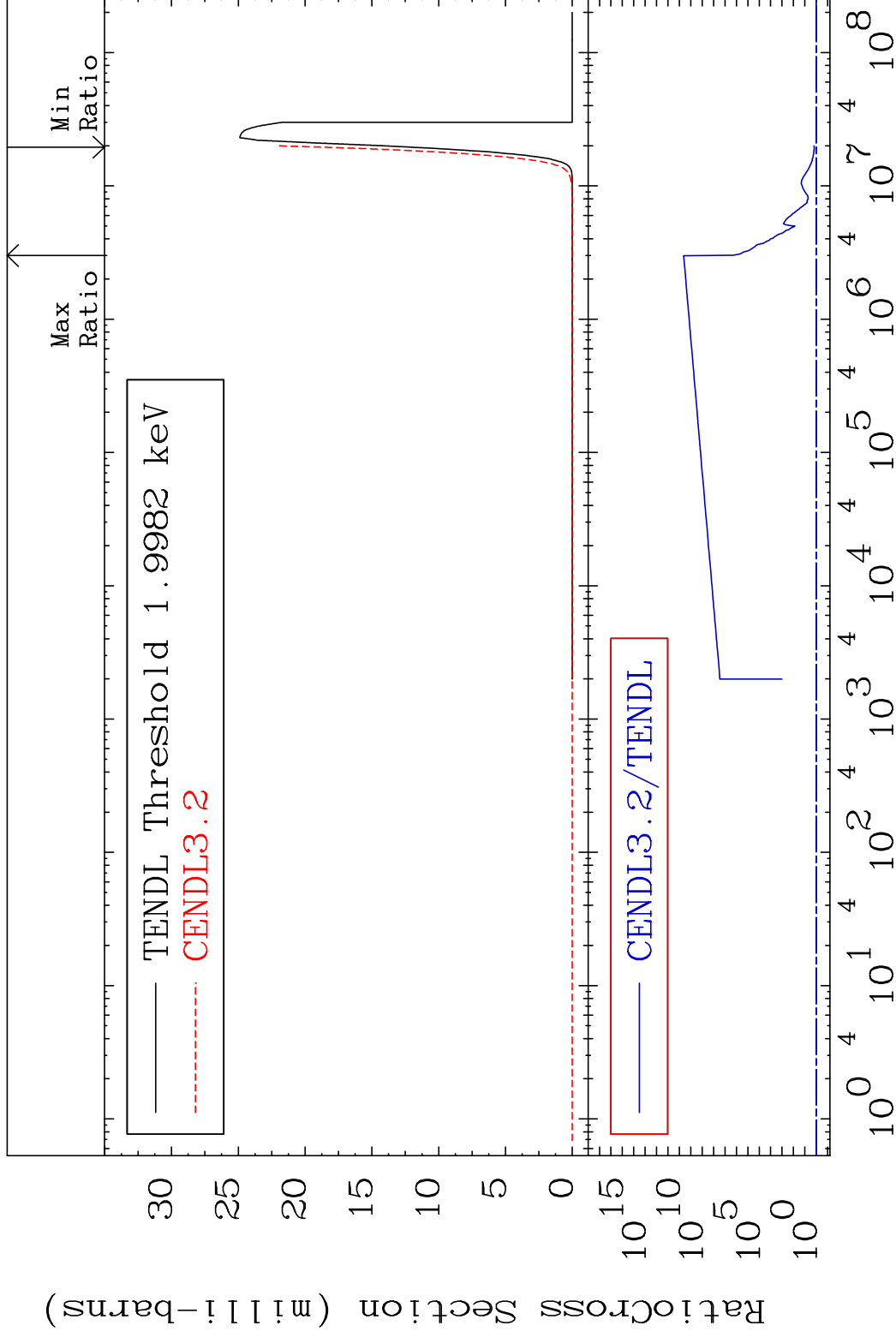
62-Sm-150

MAT 6243

(n, n') α

62-Sm-150

Cross Section 54.24 To 9999. %

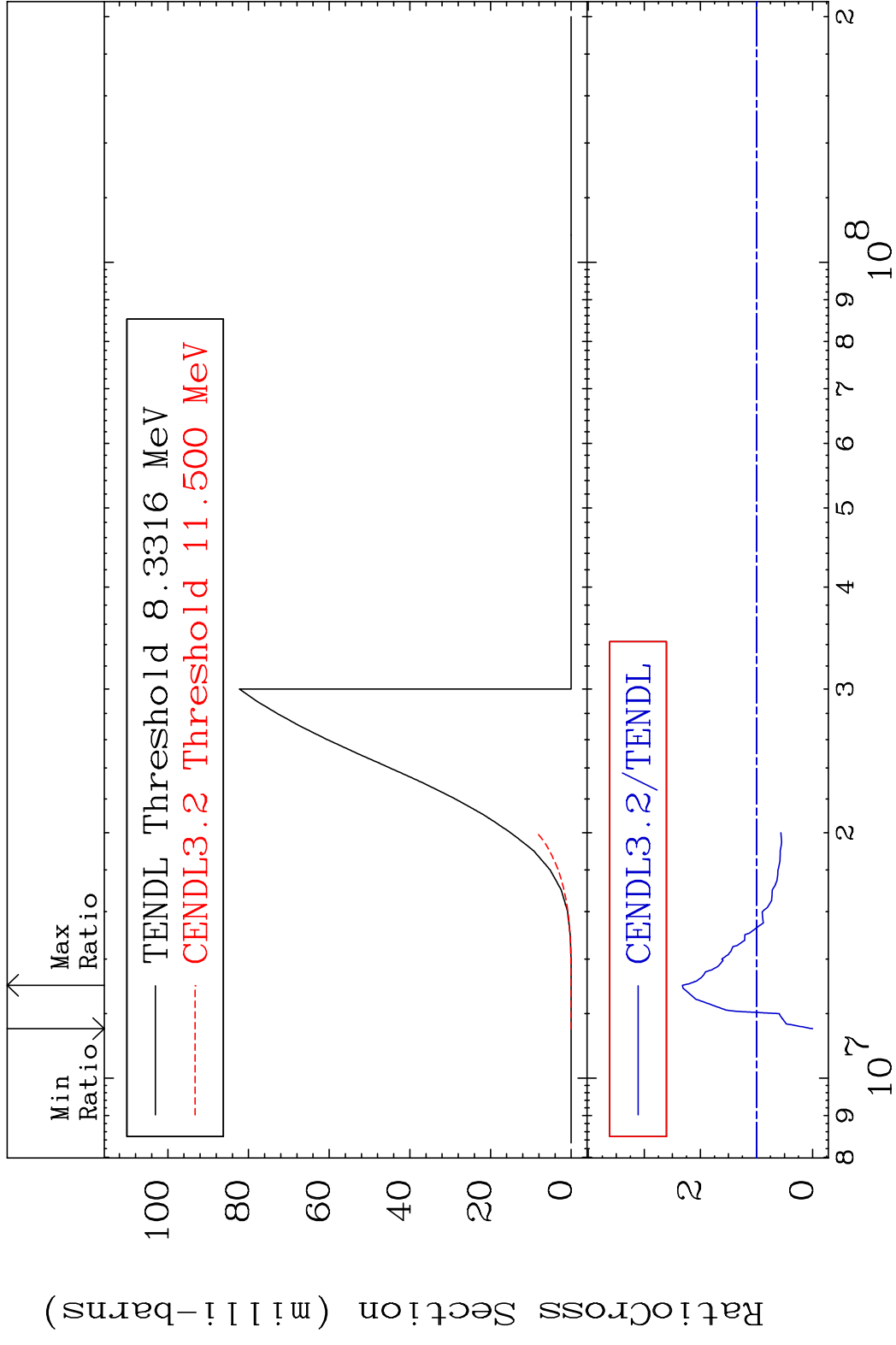


MAT 6243

(n, n') p

62-Sm-150

Cross Section -100.0 To 132.2 %

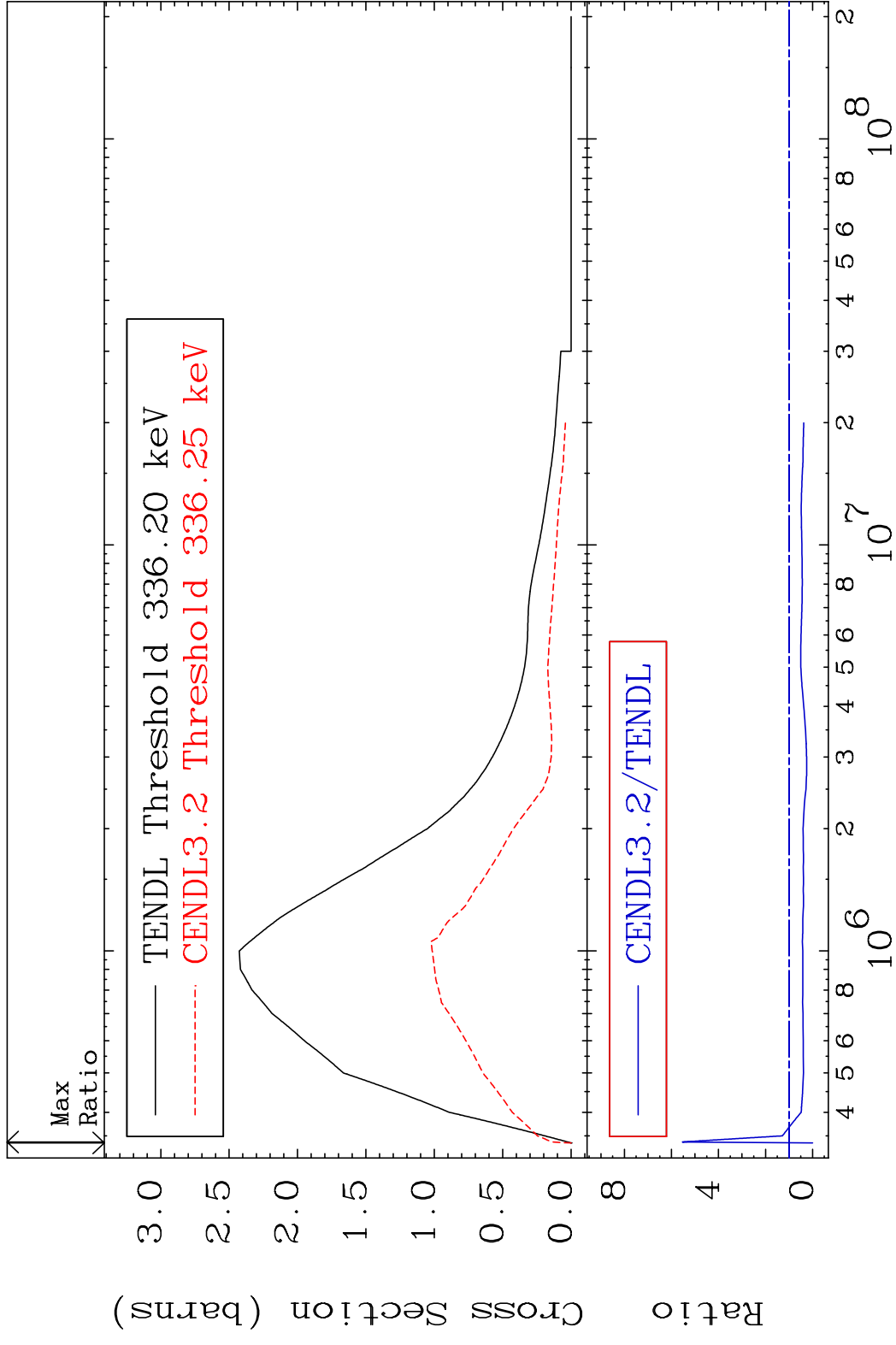


7

Incident Energy (eV)

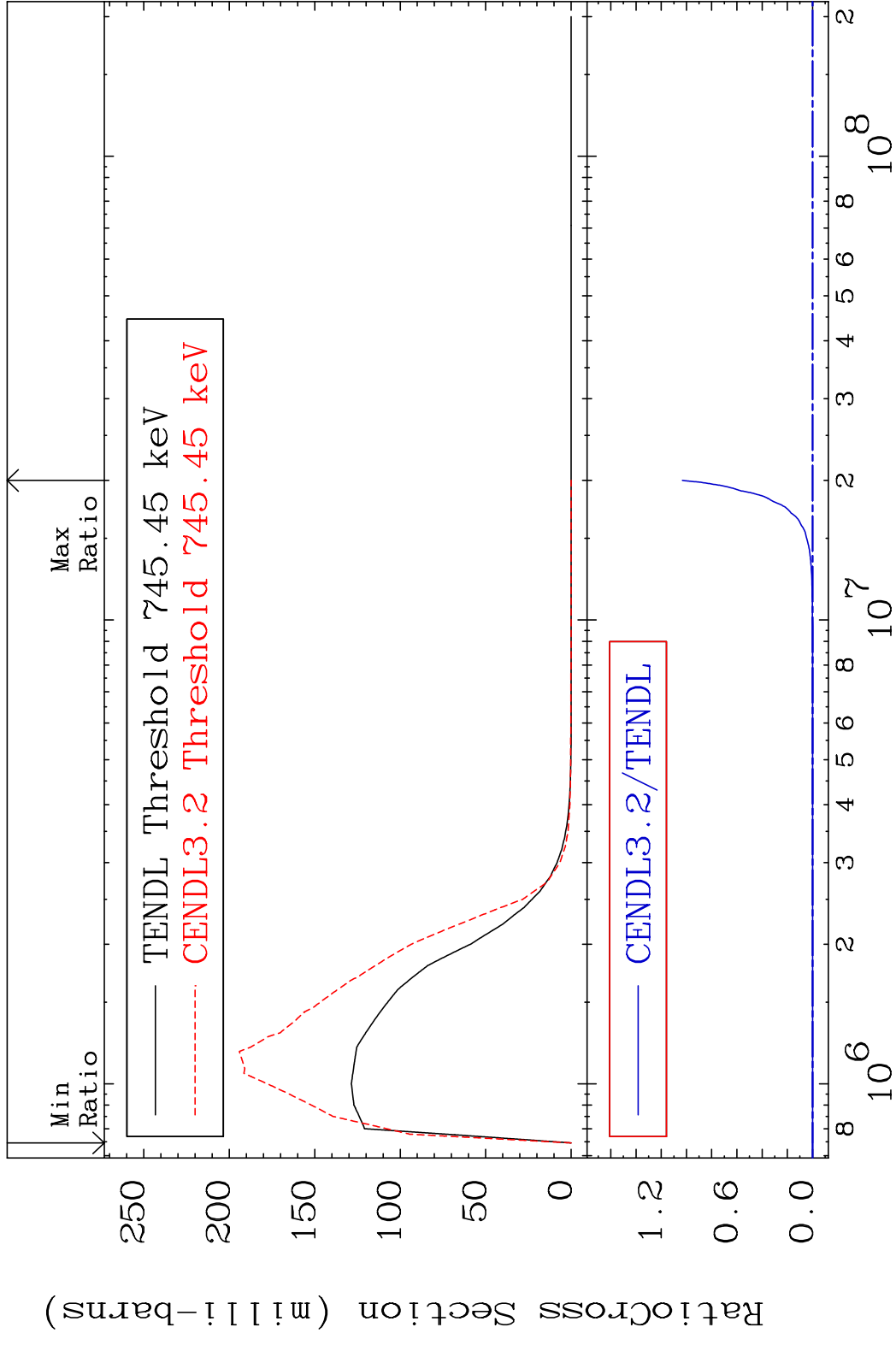
62-Sm-150

MAT 6243 MT= 51 (n, n') Level 62-Sm-150
 Cross Section -100.0 To 453.7 %



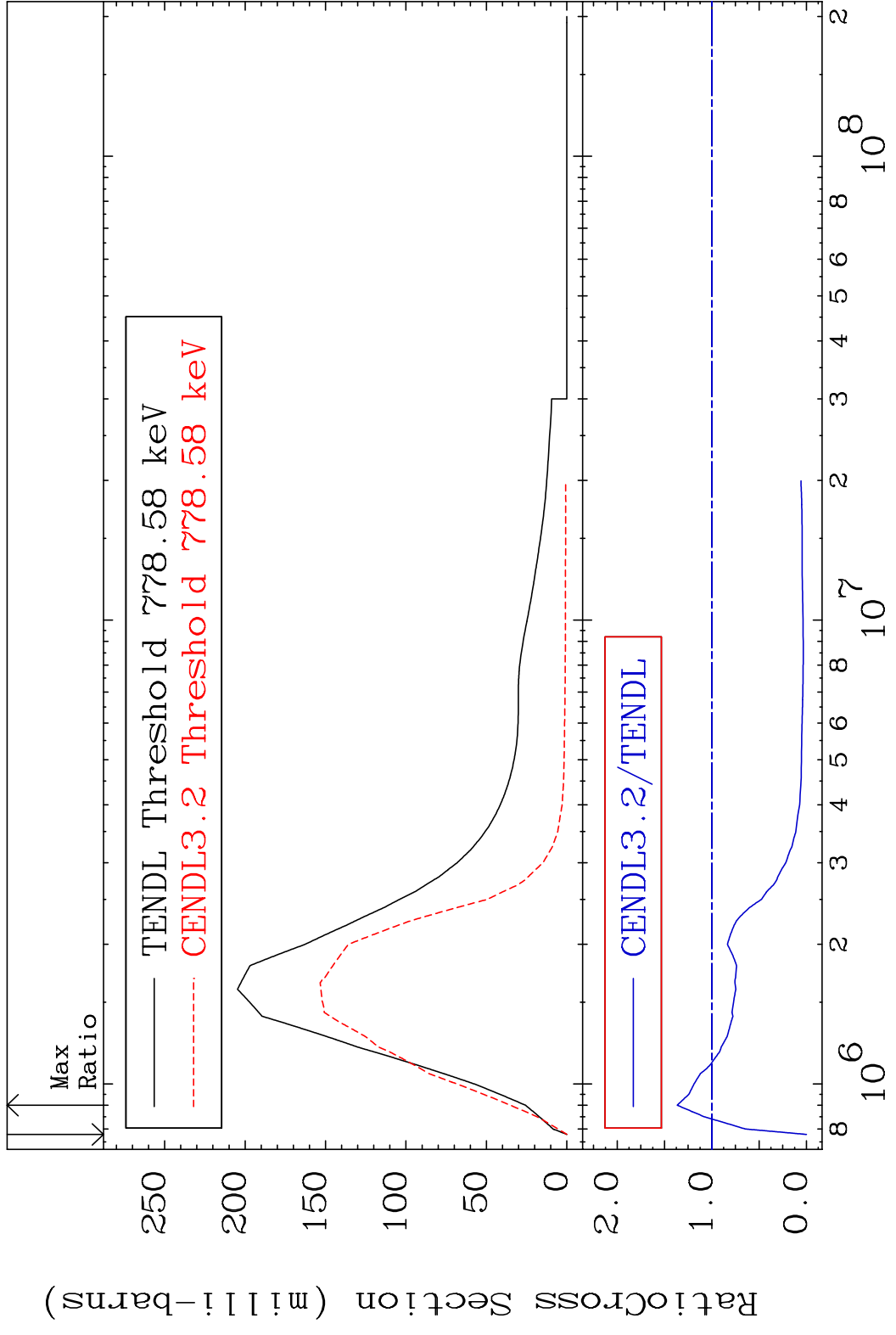
8 Incident Energy (eV) 62-Sm-150

MAT 6243 MT= 52 (n, n') Level 62-Sm-150
 Cross Section -100.0 To 9999. %



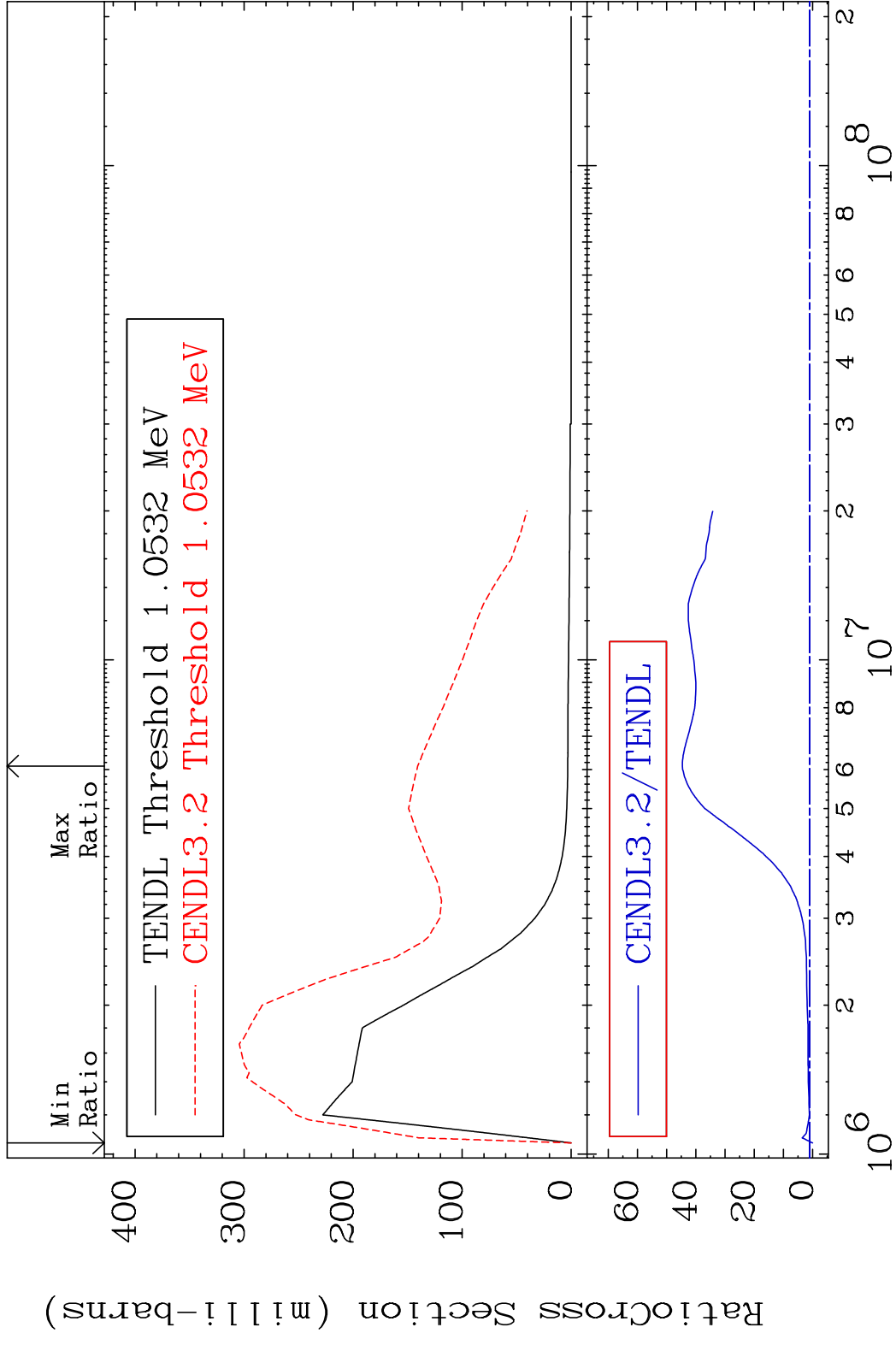
9 Incident Energy (eV) 62-Sm-150

MAT 6243 MT= 53 (n, n') Level 62-Sm-150
 Cross Section -100.0 To 36.60 %

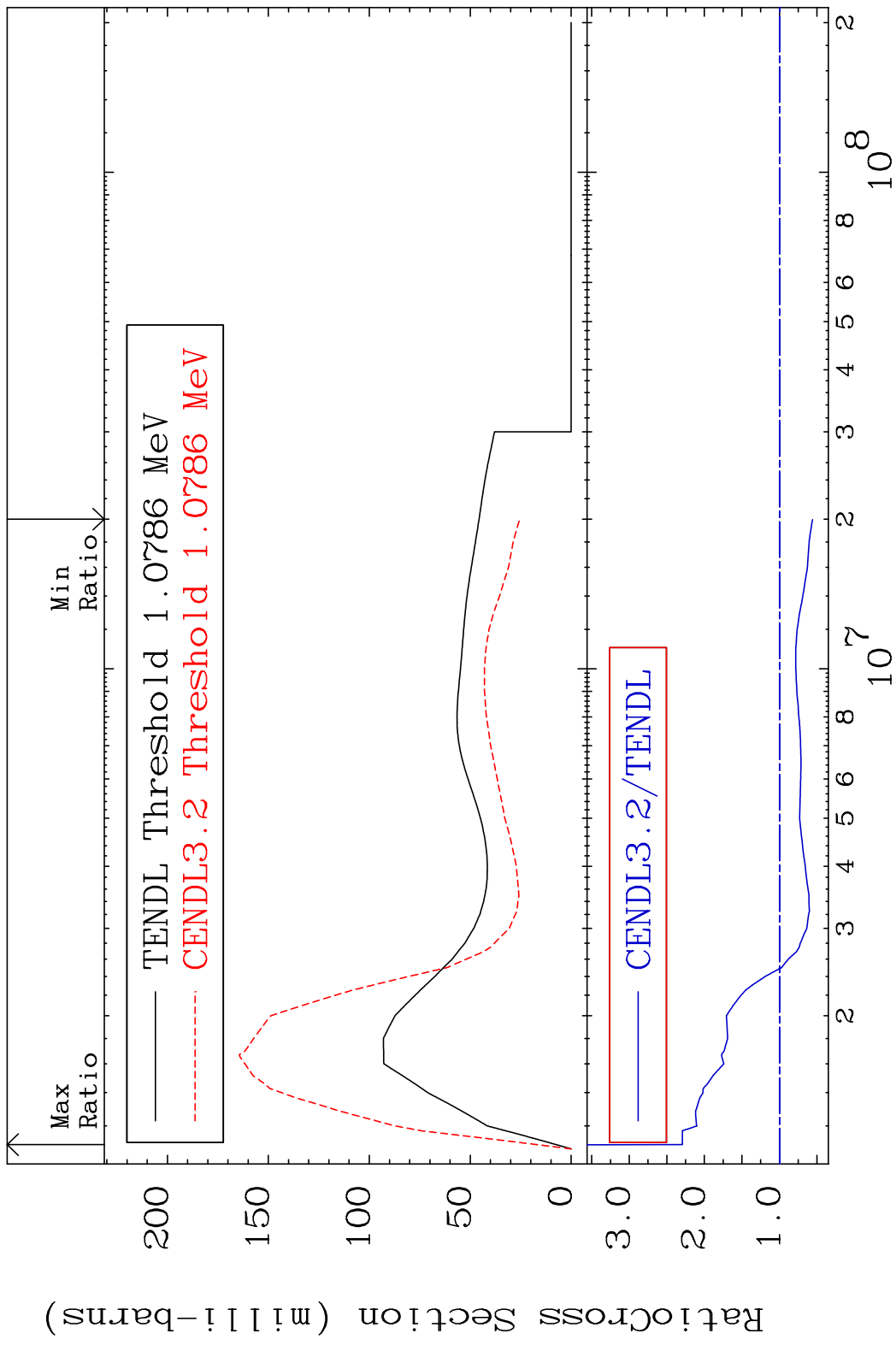


10 8 7 6 5 4 3 2 1 0 0.0 1.0 2.0 250 200 150 100 50 0

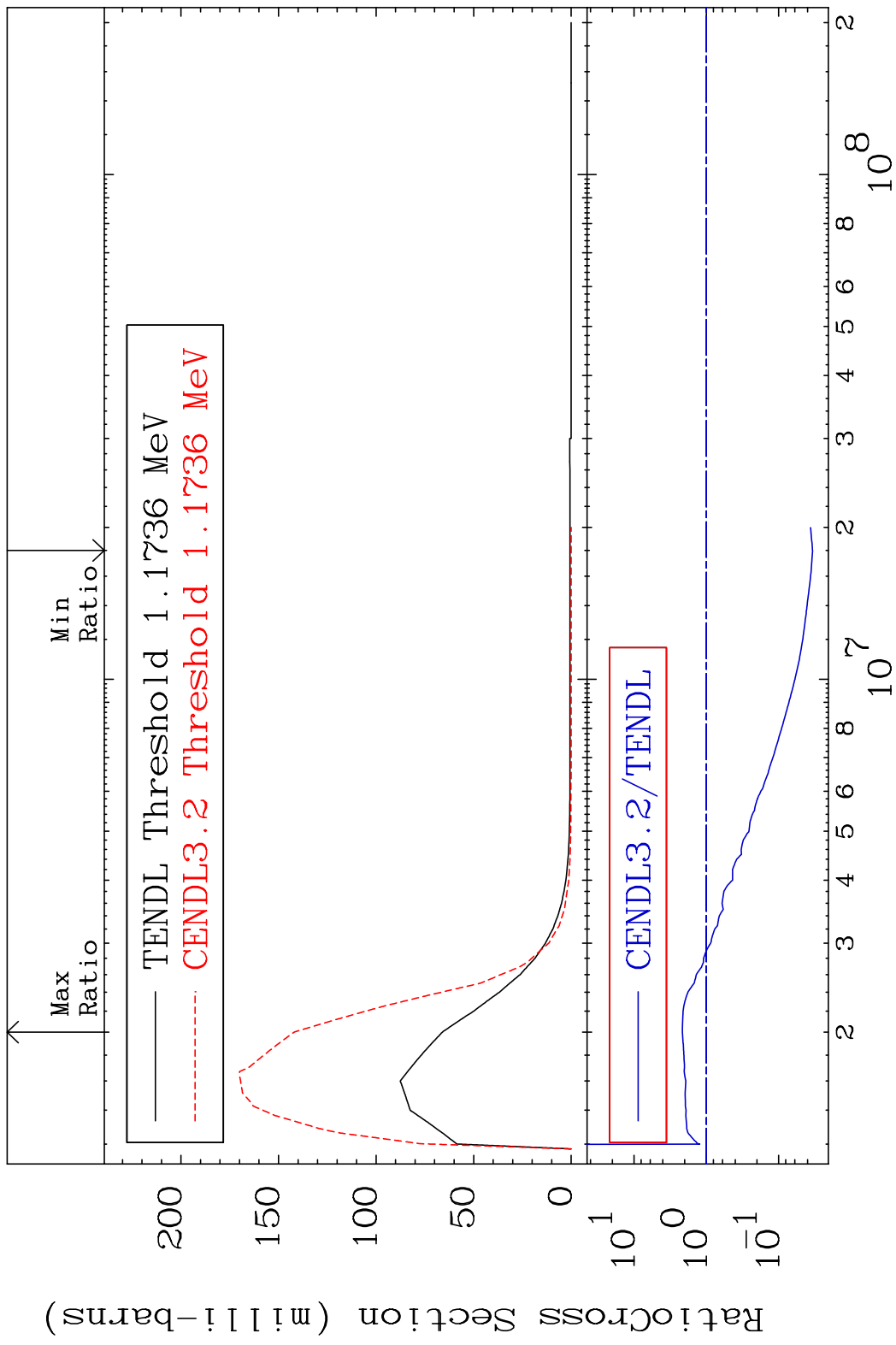
MAT 6243 MT= 54 (n, n') Level 62-Sm-150
 Cross Section -100.0 To 4360. %



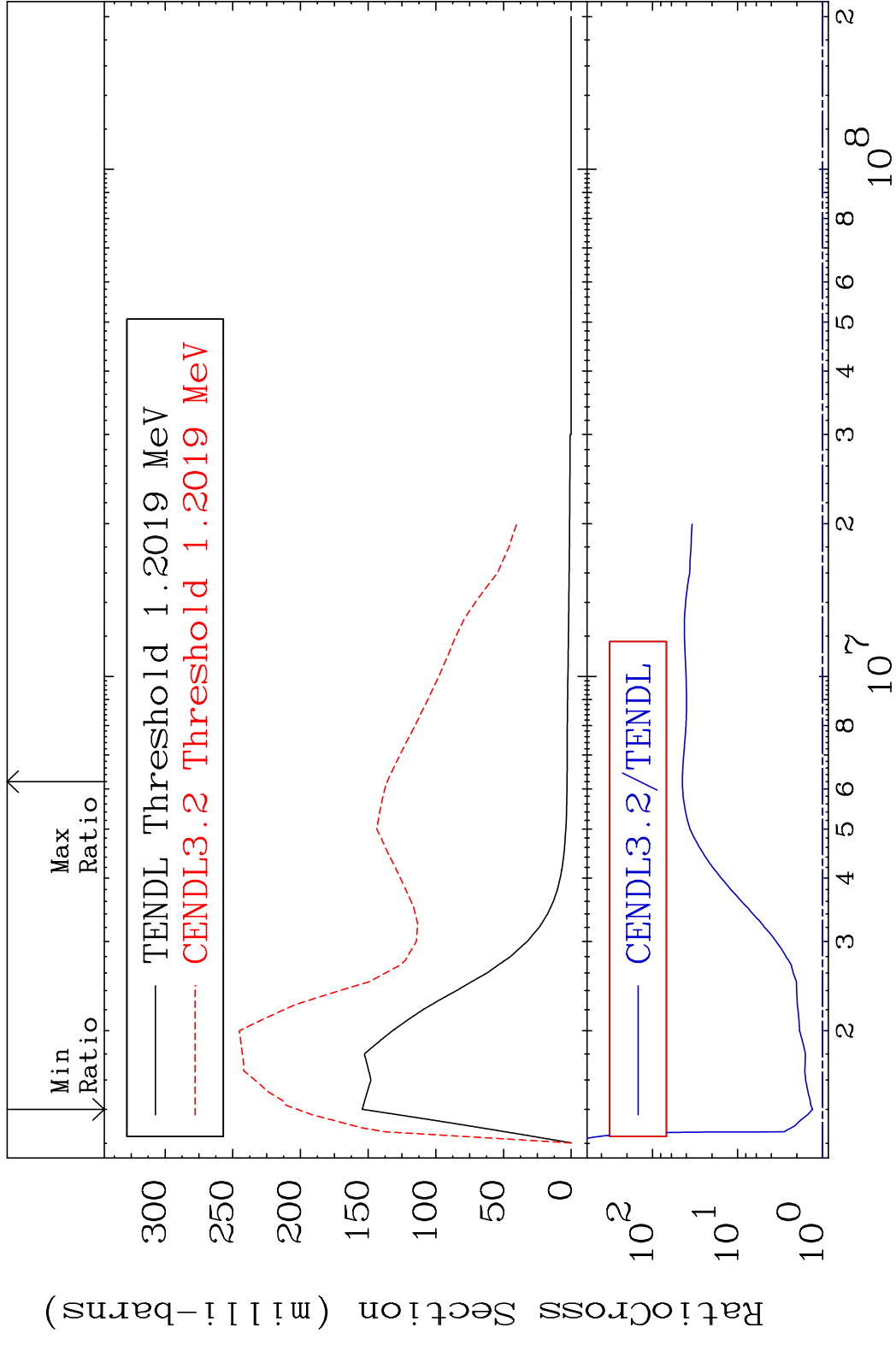
MAT 6243 MT= 55 (n, n') Level 62-Sm-150
 Cross Section -44.06 To 129.3 %



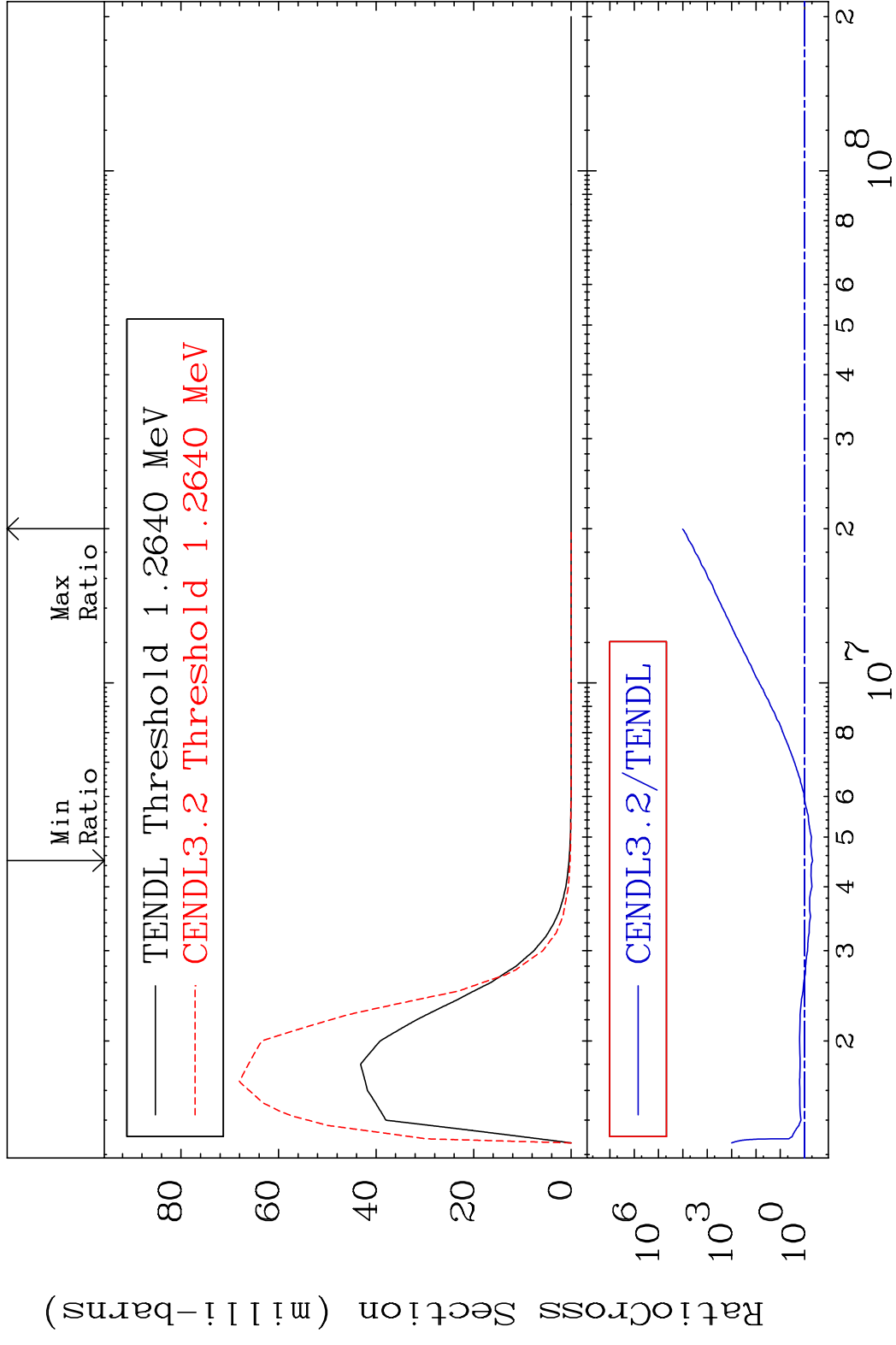
MAT 6243 MT= 56 (n, n') Level 62-Sm-150
 Cross Section -96.59 To 115.2 %



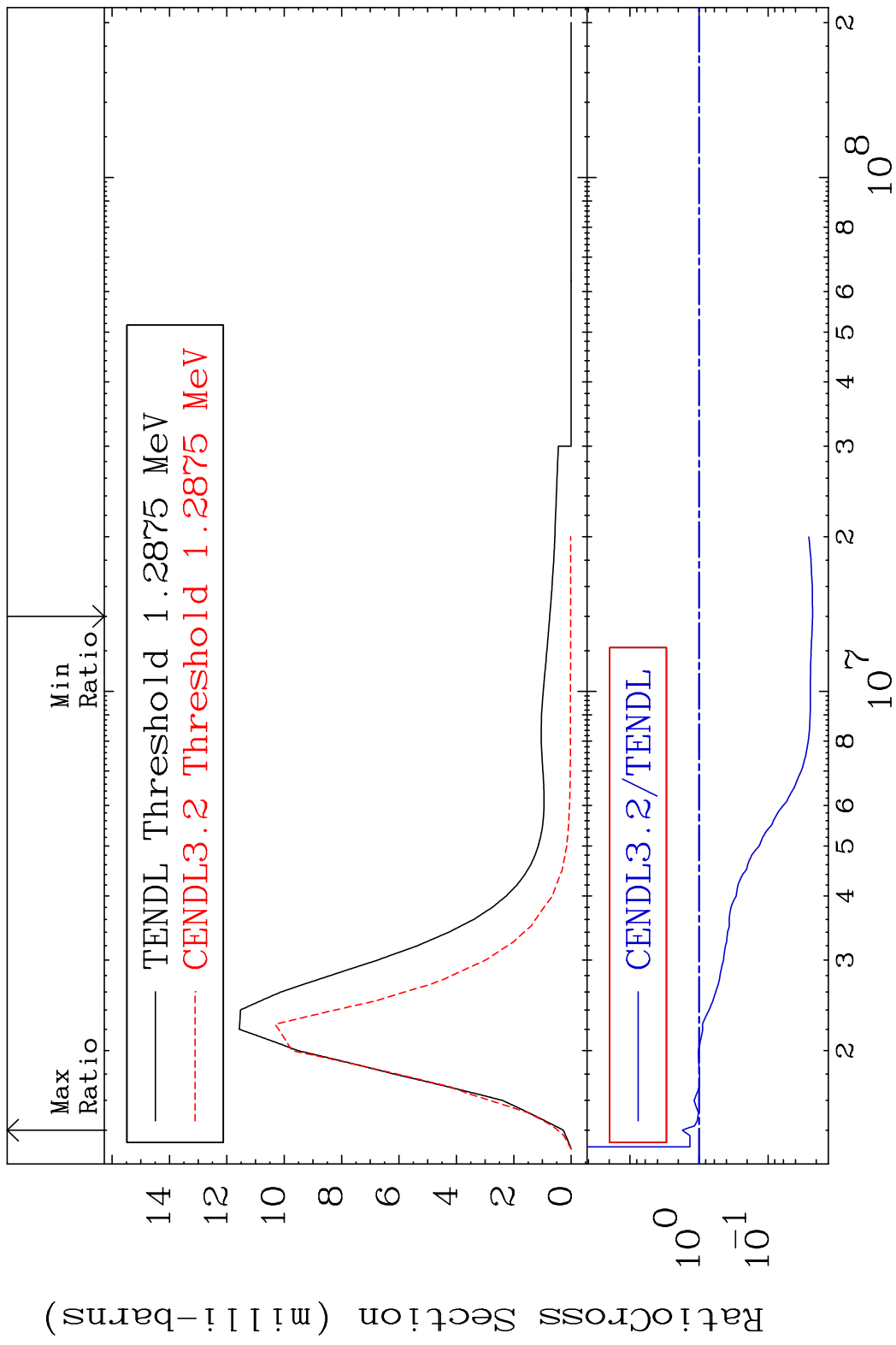
MAT 6243 MT= 57 (n, n') Level 62-Sm-150
 Cross Section 31.04 To 4358. %



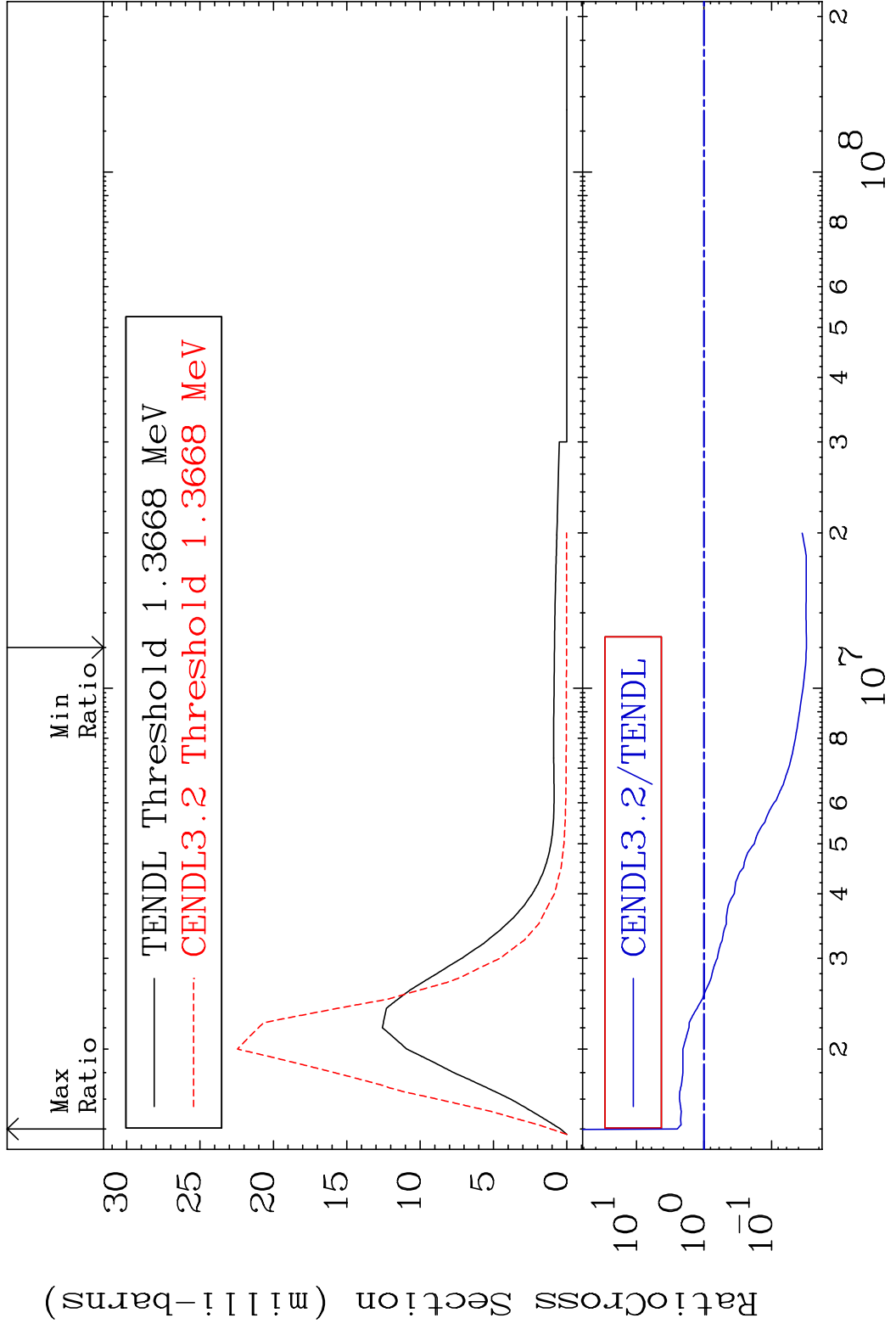
MAT 6243 MT= 58 (n, n') Level 62-Sm-150
 Cross Section -52.58 To 9999. %



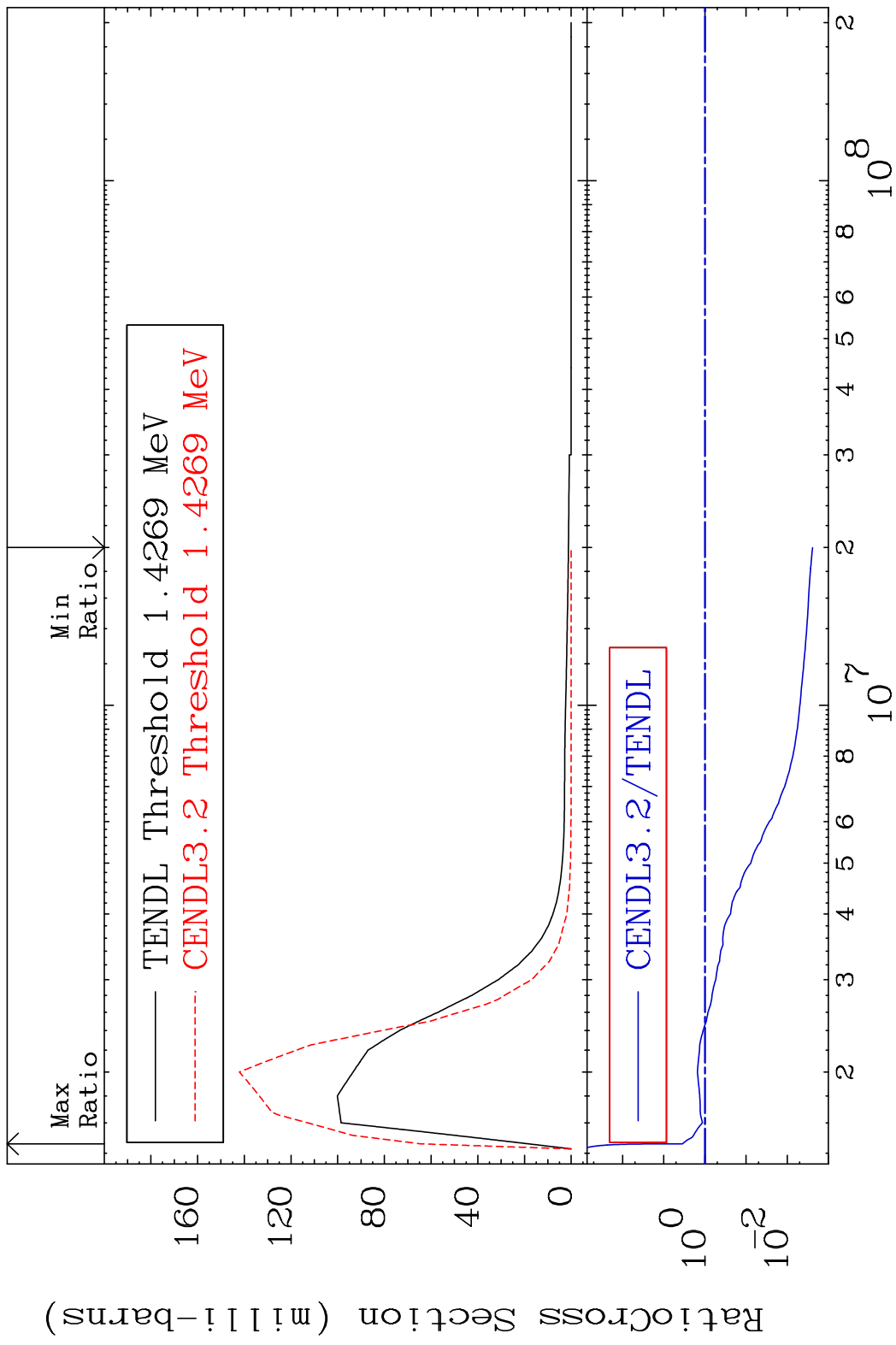
MAT 6243 MT= 59 (n, n') Level 62-Sm-150
 Cross Section -97.74 To 74.29 %



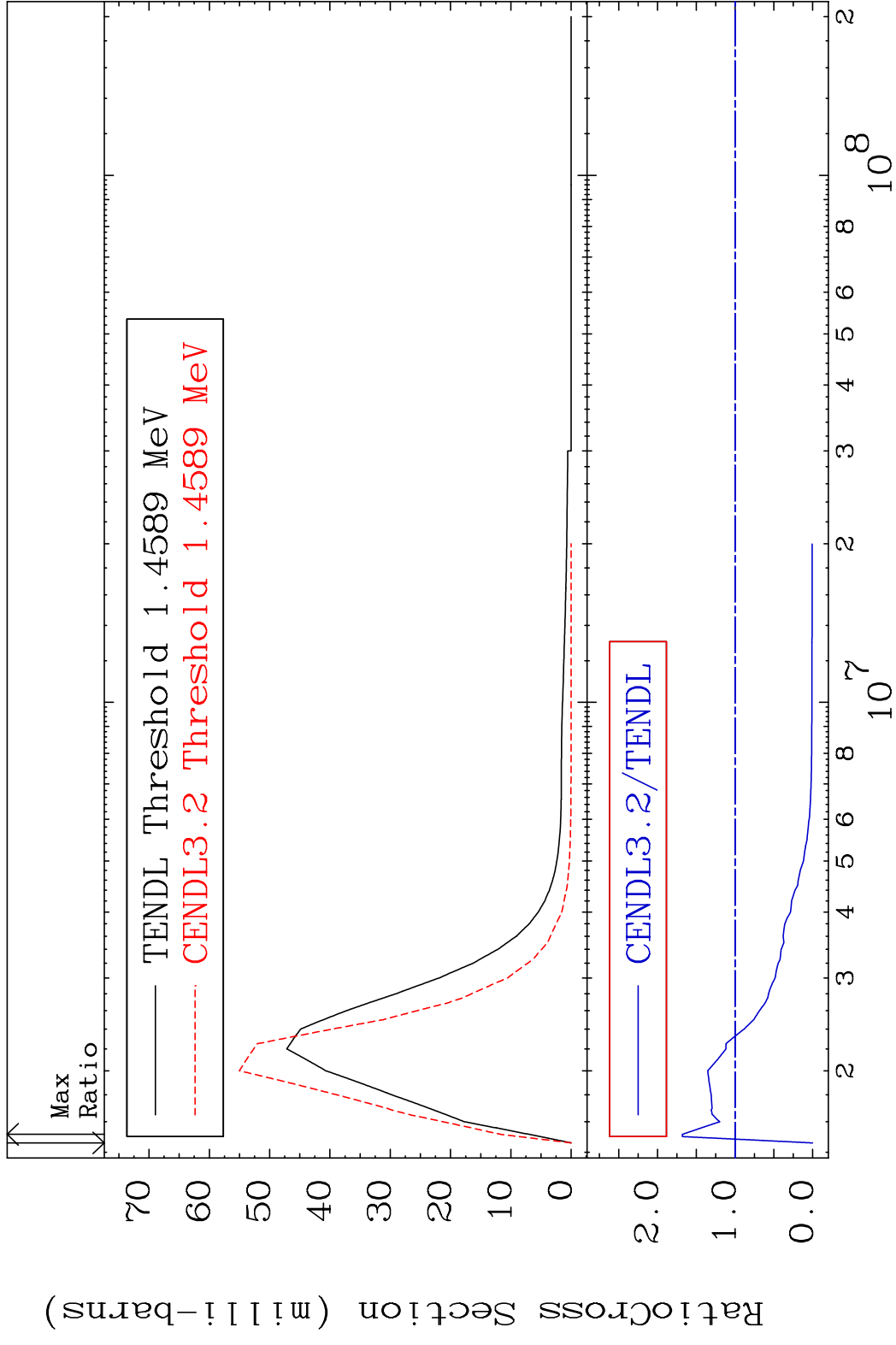
MAT 6243 MT= 60 (n, n') Level 62-Sm-150
 Cross Section -96.95 To 149.3 %



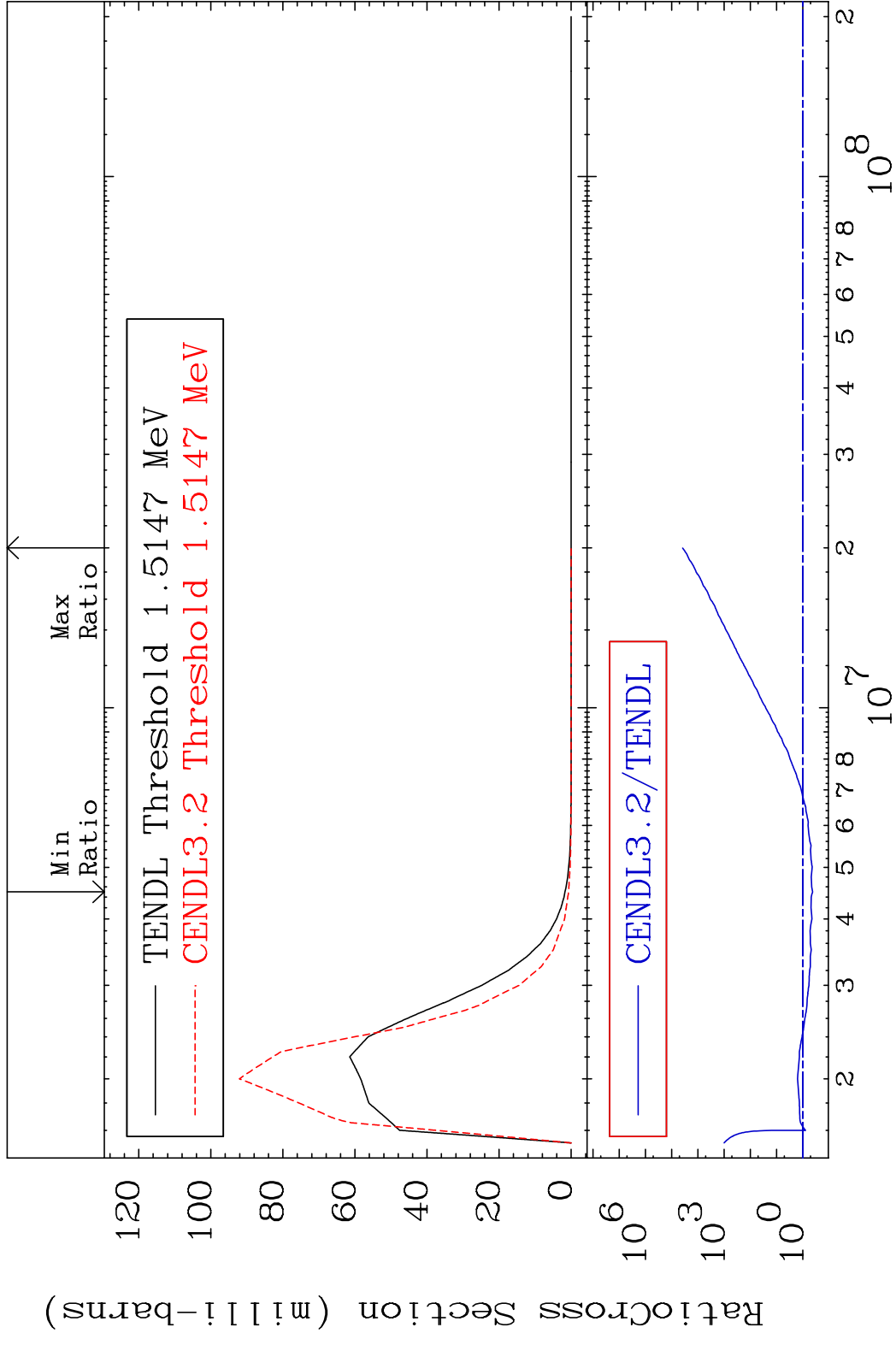
MAT 6243 MT= 61 (n, n') Level 62-Sm-150
 Cross Section -99.76 To 252.5 %



MAT 6243 MT= 62 (n, n') Level 62-Sm-150
 Cross Section -100.0 To 67.91 %

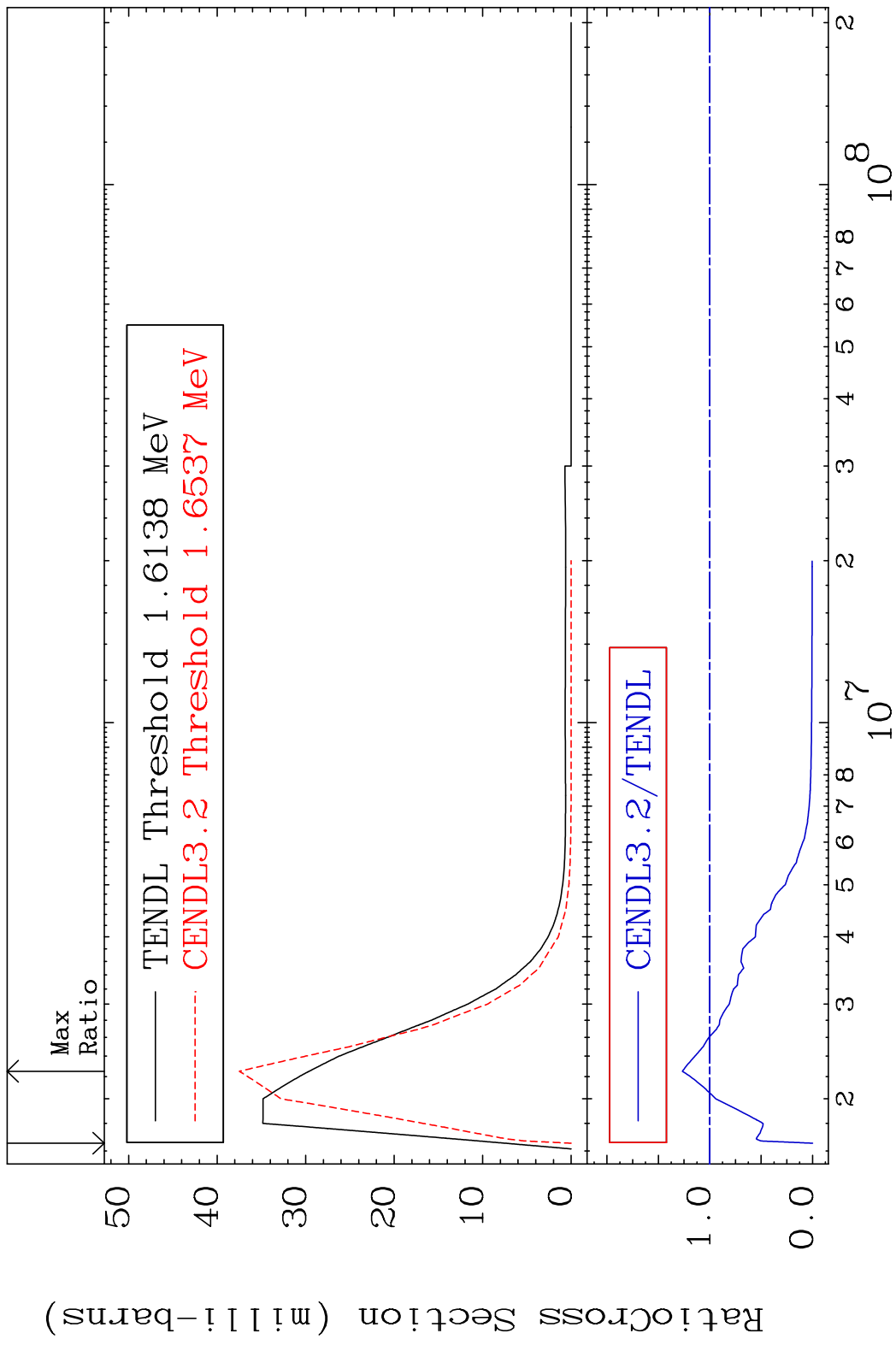


MAT 6243 MT= 63 (n, n') Level 62-Sm-150
 Cross Section -57.68 To 9999. %

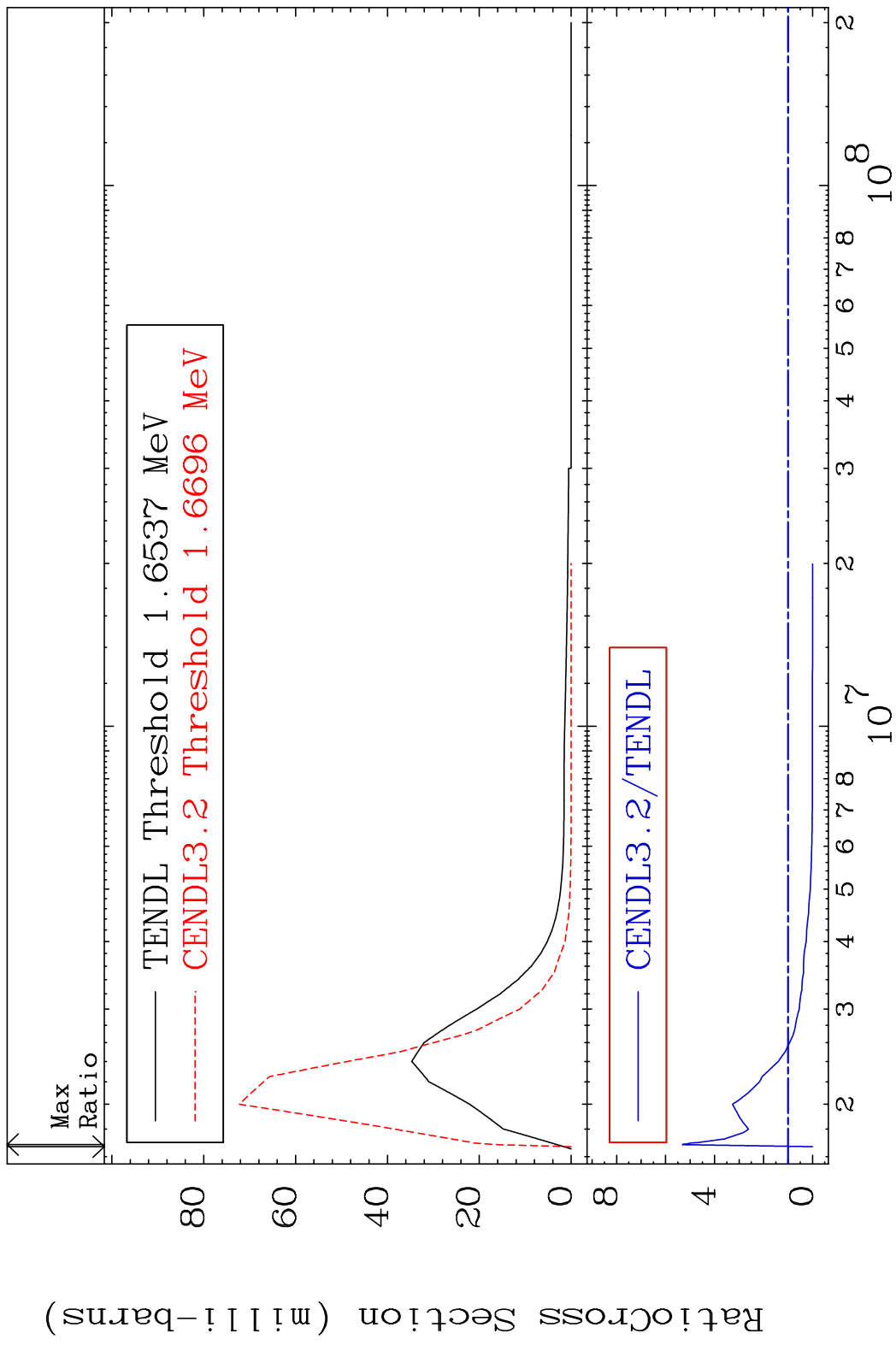


20 Incident Energy (eV) 62-Sm-150

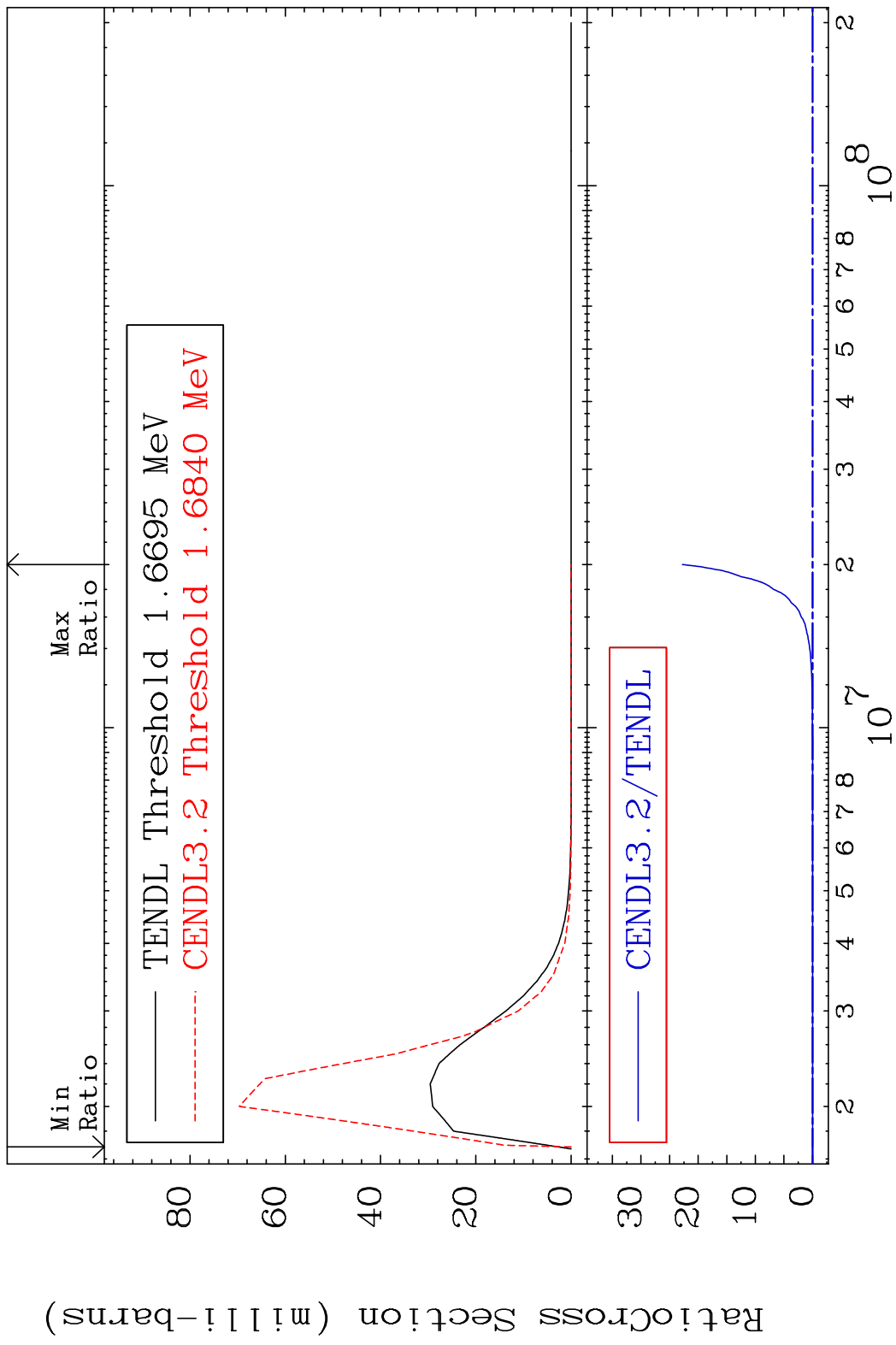
MAT 6243 MT= 64 (n, n') Level 62-Sm-150
 Cross Section -100.0 To 26.66 %



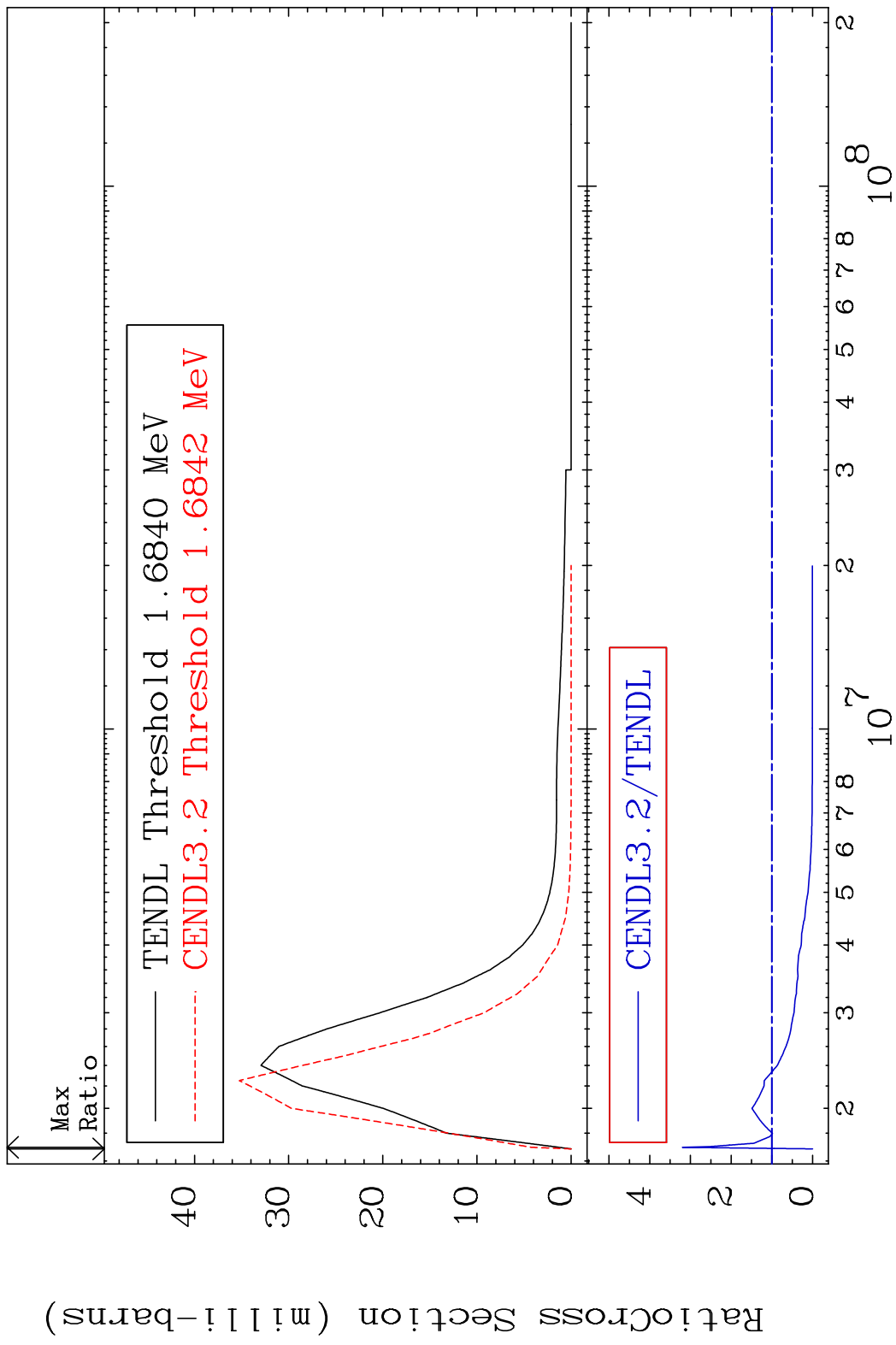
MAT 6243 MT= 65 (n, n') Level 62-Sm-150
 Cross Section -100.0 To 431.7 %



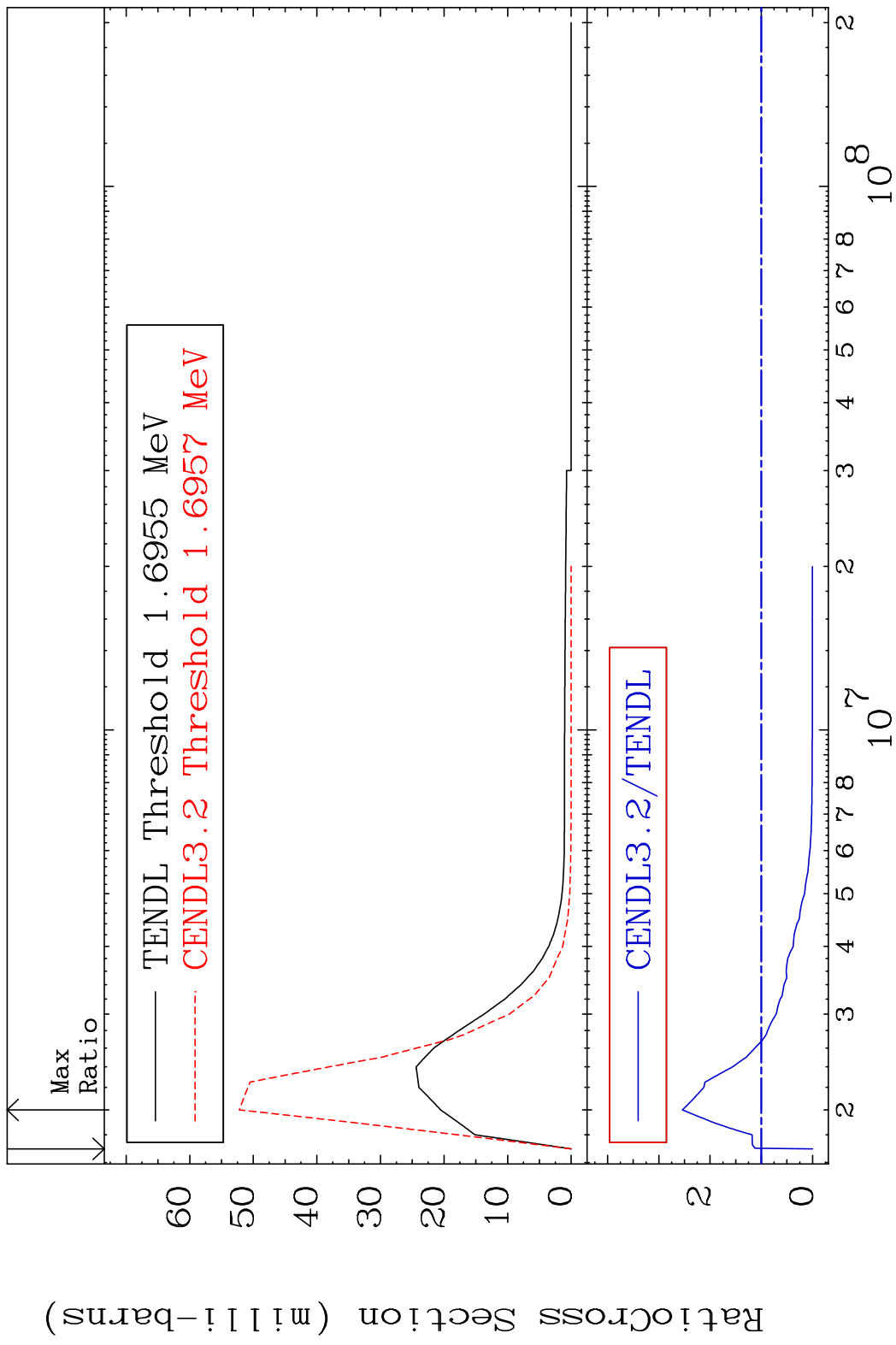
MAT 6243 MT= 66 (n, n') Level 62-Sm-150
 Cross Section -100.0 To 9999. %



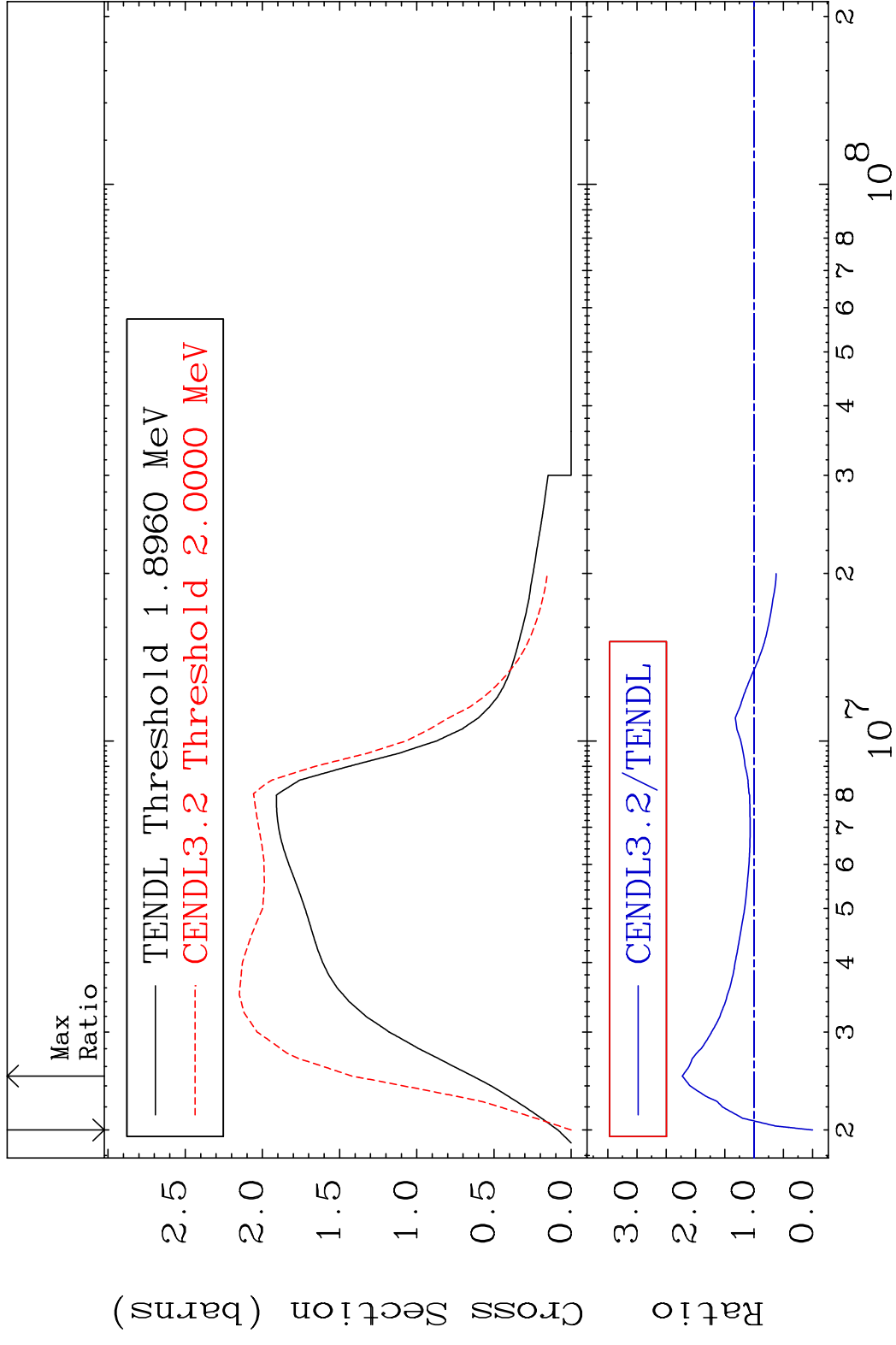
MAT 6243 MT= 67 (n, n') Level 62-Sm-150
 Cross Section -100.0 To 219.9 %



MAT 6243 MT= 68 (n, n') Level 62-Sm-150
 Cross Section -100.0 To 154.1 %

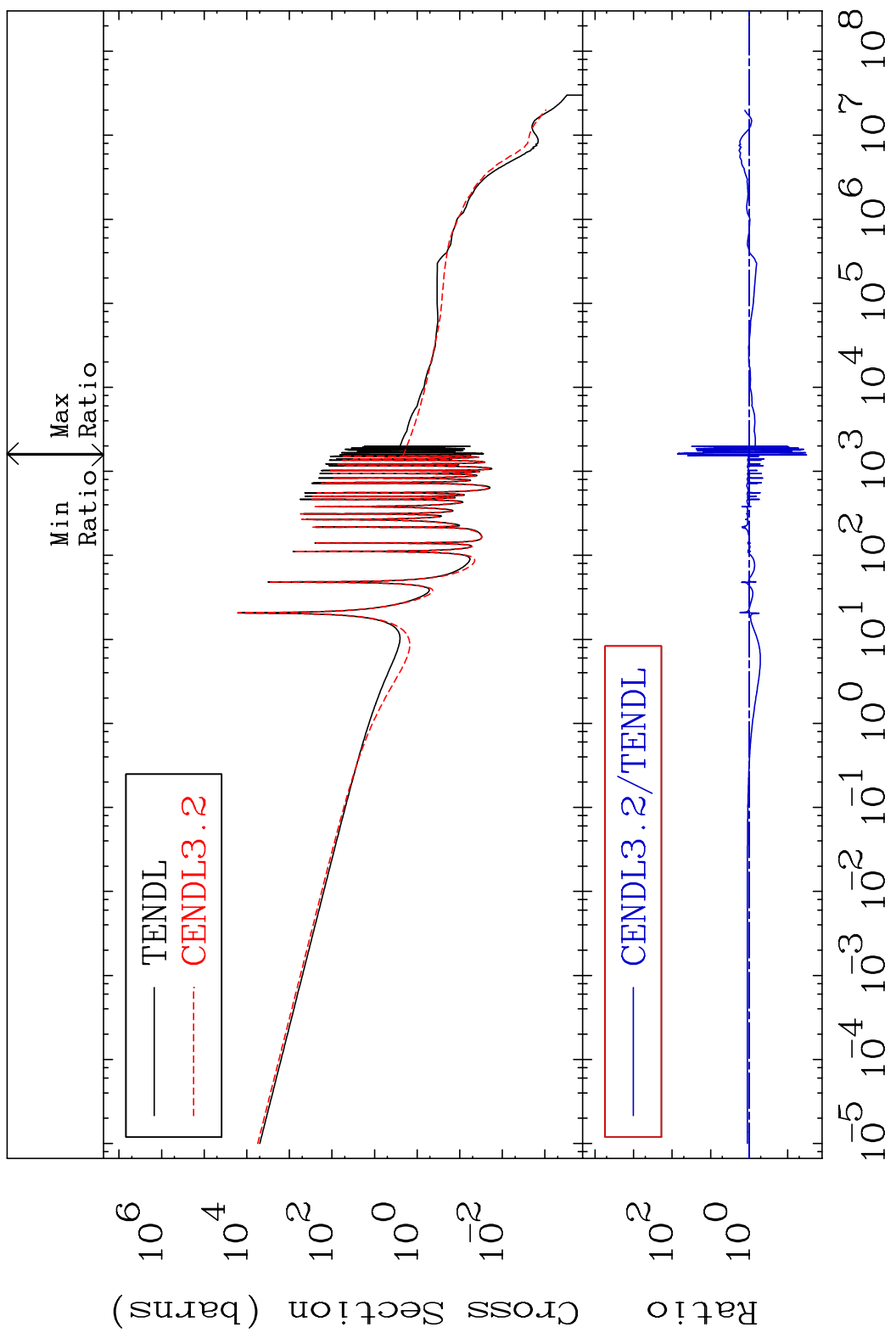


MAT 6243 (n,n') Continuum 62-Sm-150
 Cross Section -100.0 To 122.5 %



MAT 6243

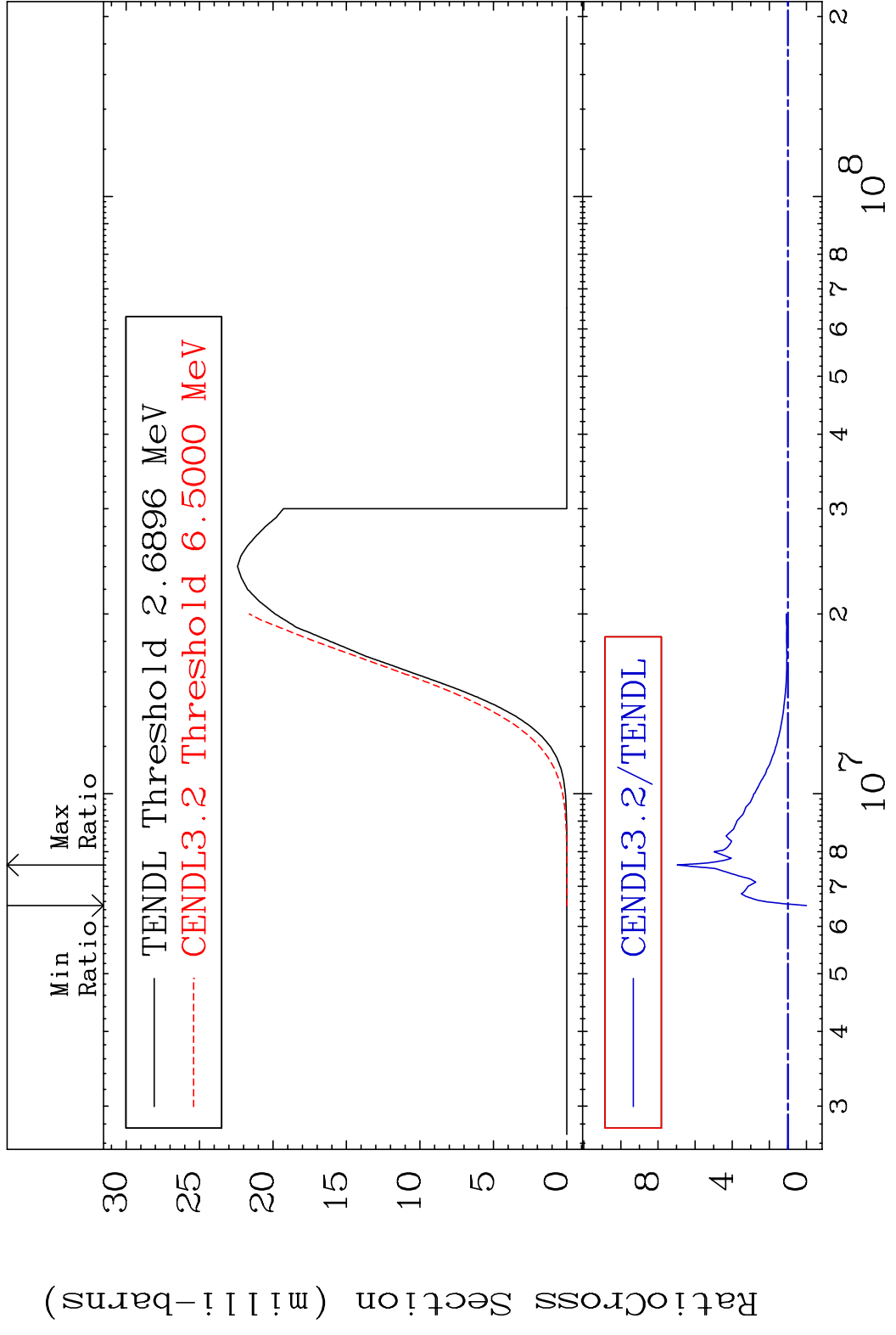
(n, γ)
Cross Section -96.74 To 7289. %
62-Sm-150



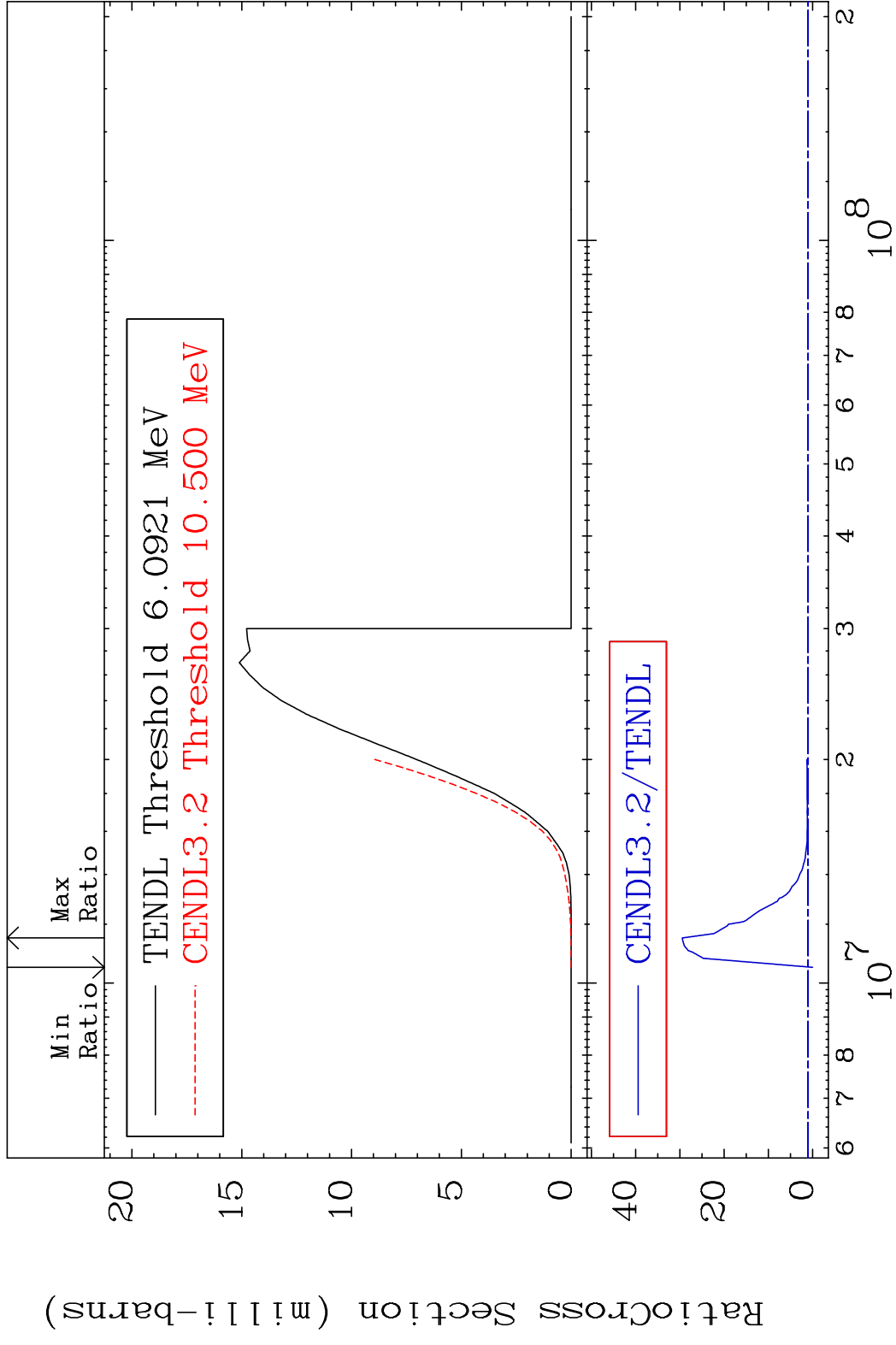
27

Incident Energy (eV) 62-Sm-150

MAT 6243 (n,p) 62-Sm-150
 Cross Section -100.0 To 596.4 %



MAT 6243 (n,d) 62-Sm-150
 Cross Section -100.0 To 2844. %



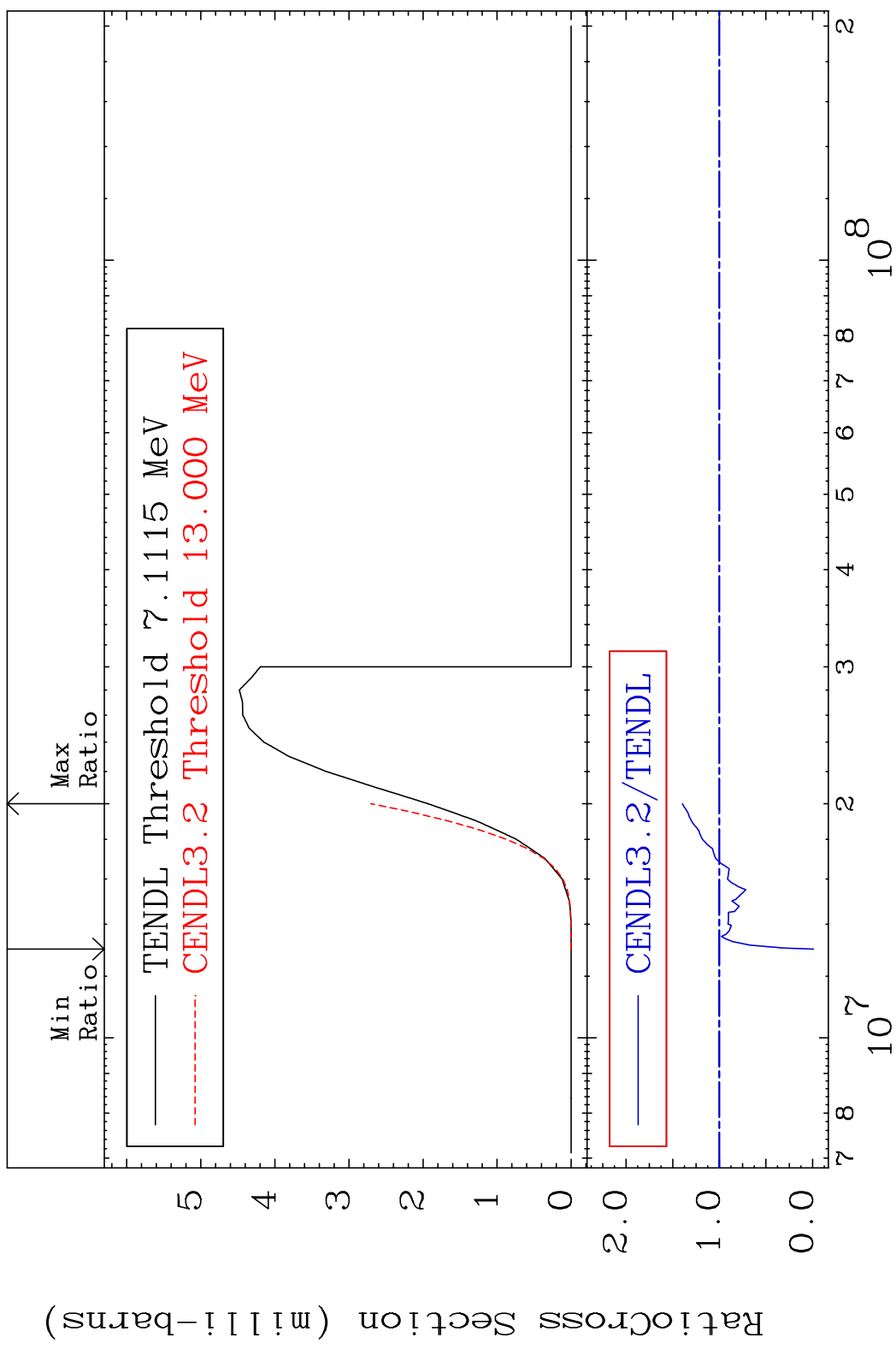
29 62-Sm-150

MAT 6243

(n, t)

62-Sm-150

Cross Section -100.0 To 39.65 %



30

Incident Energy (eV)

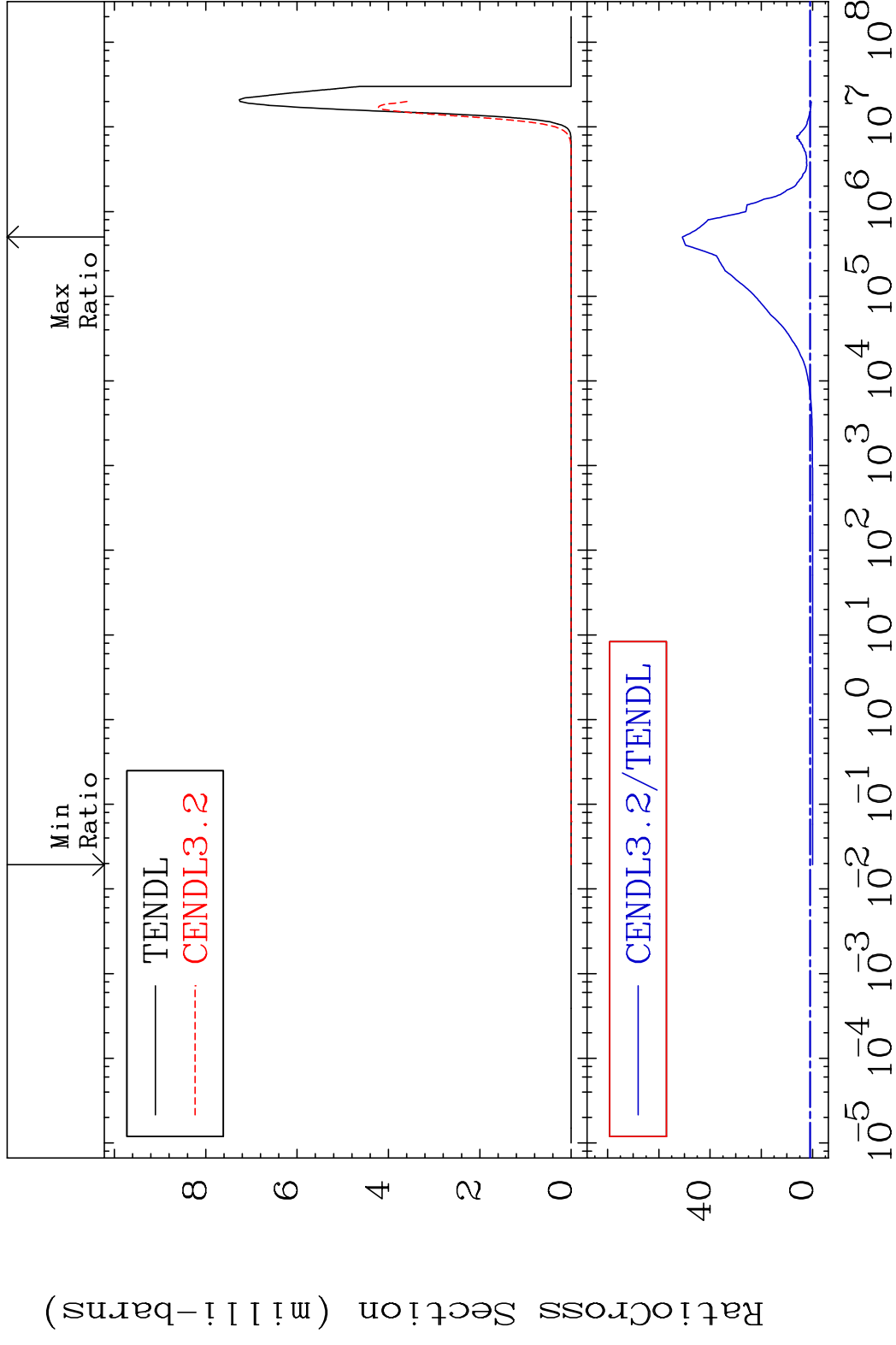
62-Sm-150

MAT 6243

62-Sm-150

(n, α)

Cross Section -100.0 To 4982. %



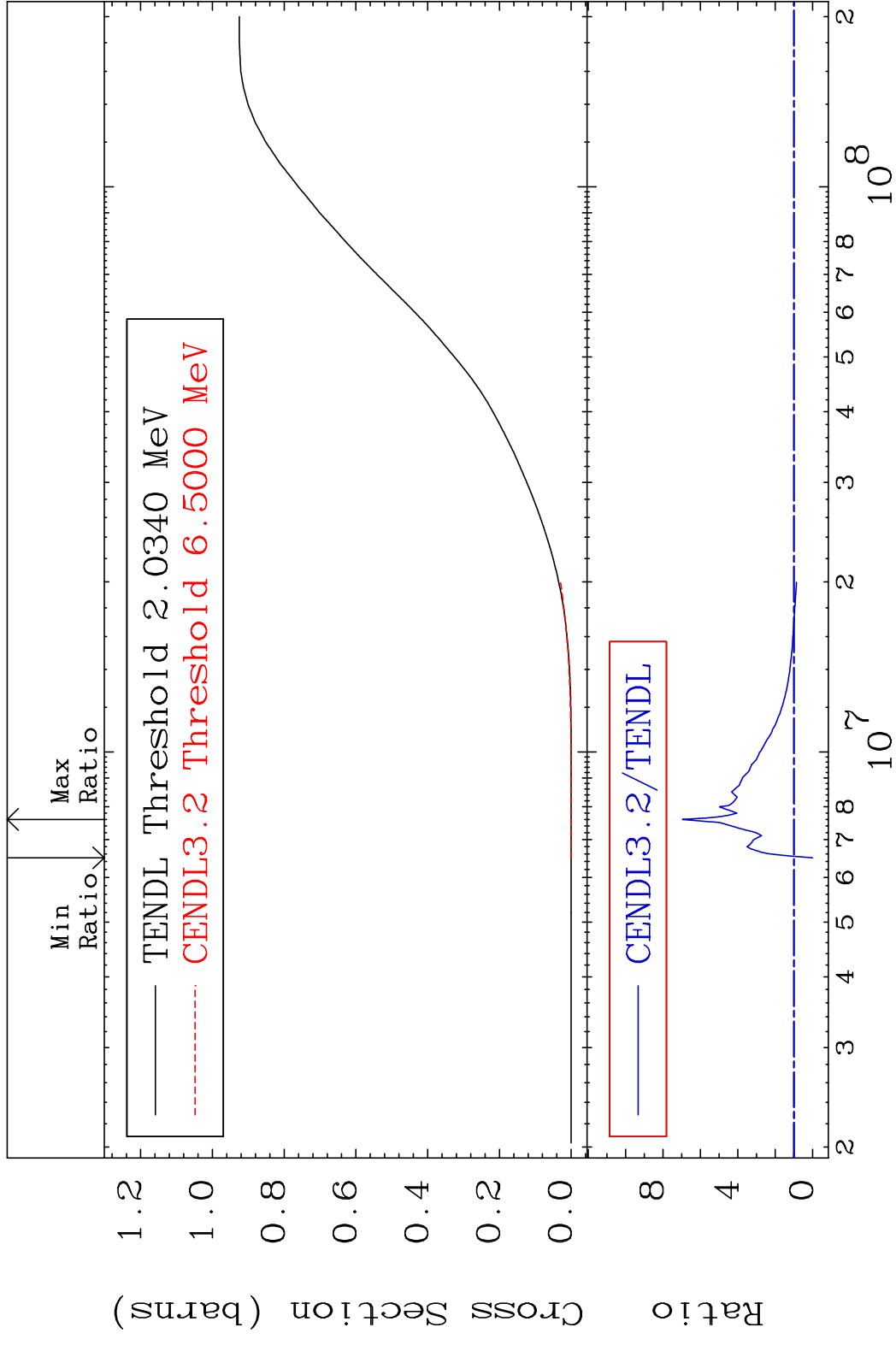
31

Incident Energy (eV)

62-Sm-150

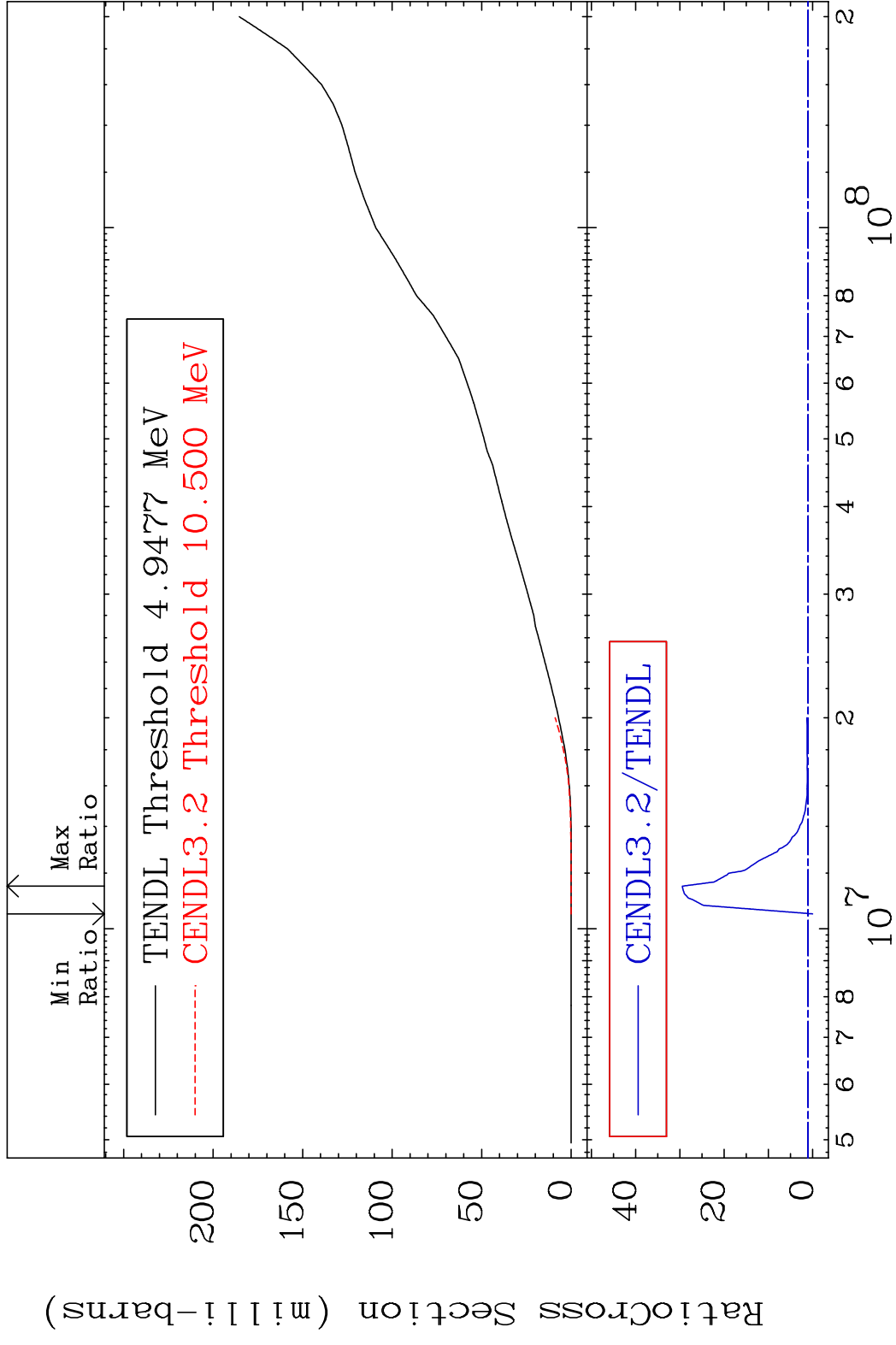
MAT 6243

Hydrogen Production 62-Sm-150
Cross Section -100.0 To 596.4 %

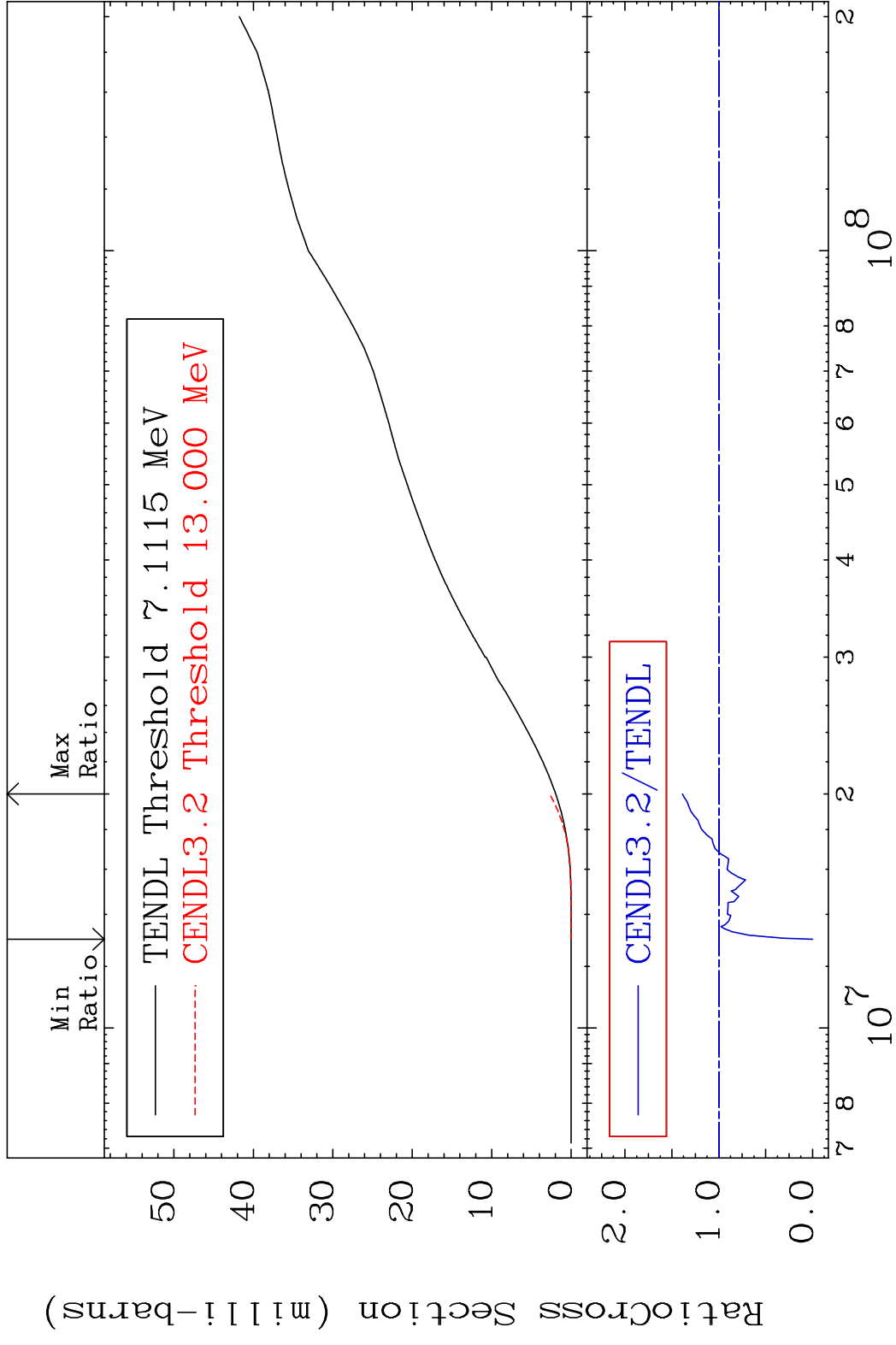


MAT 6243

Deuterium Production 62-Sm-150
Cross Section -100.0 To 2844. %



MAT 6243 Tritium Production 62-Sm-150
 Cross Section -100.0 To 38.86 %

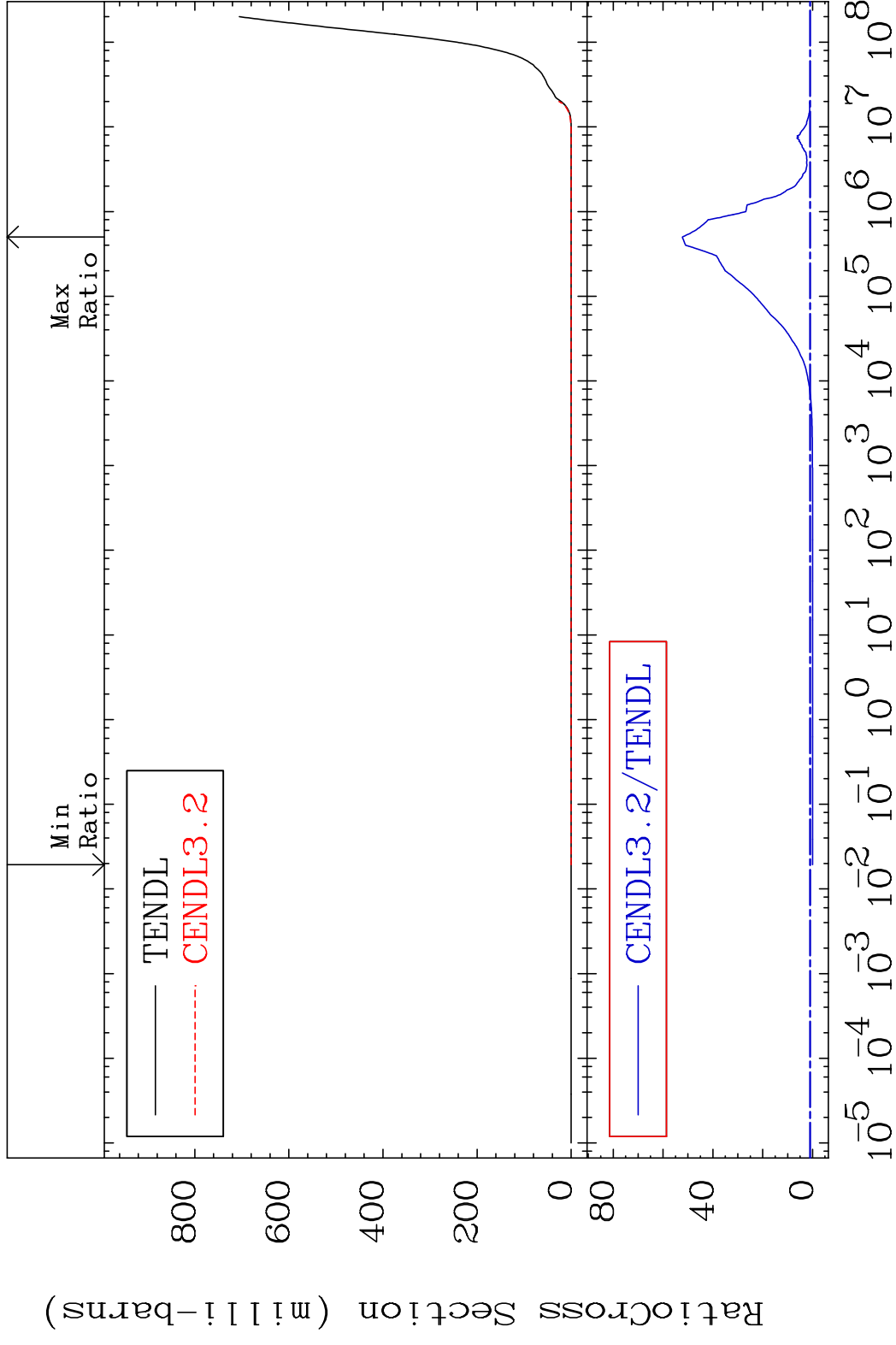


MAT 6243

He-4 Production

62-Sm-150

Cross Section -100.0 To 5125. %

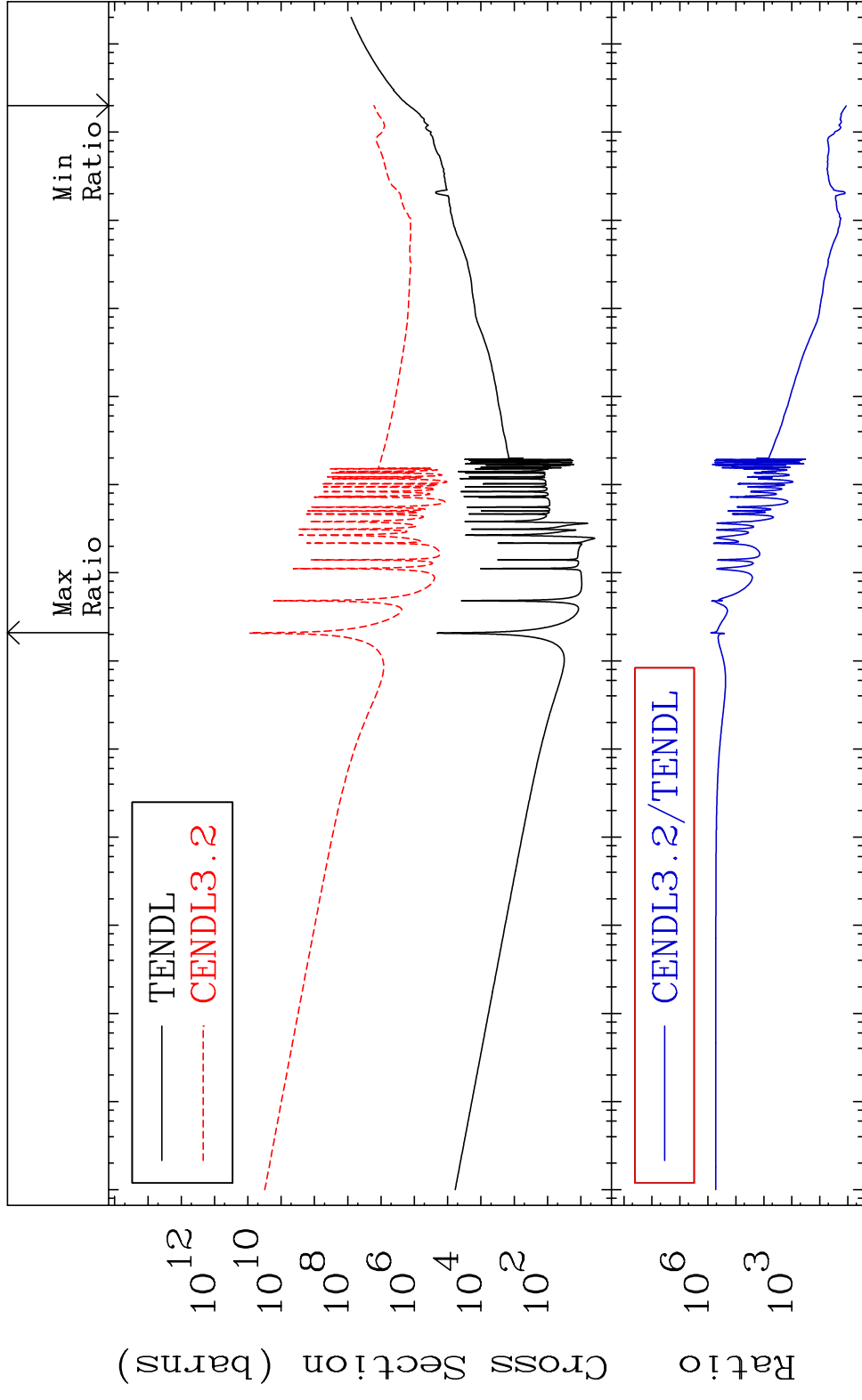


35

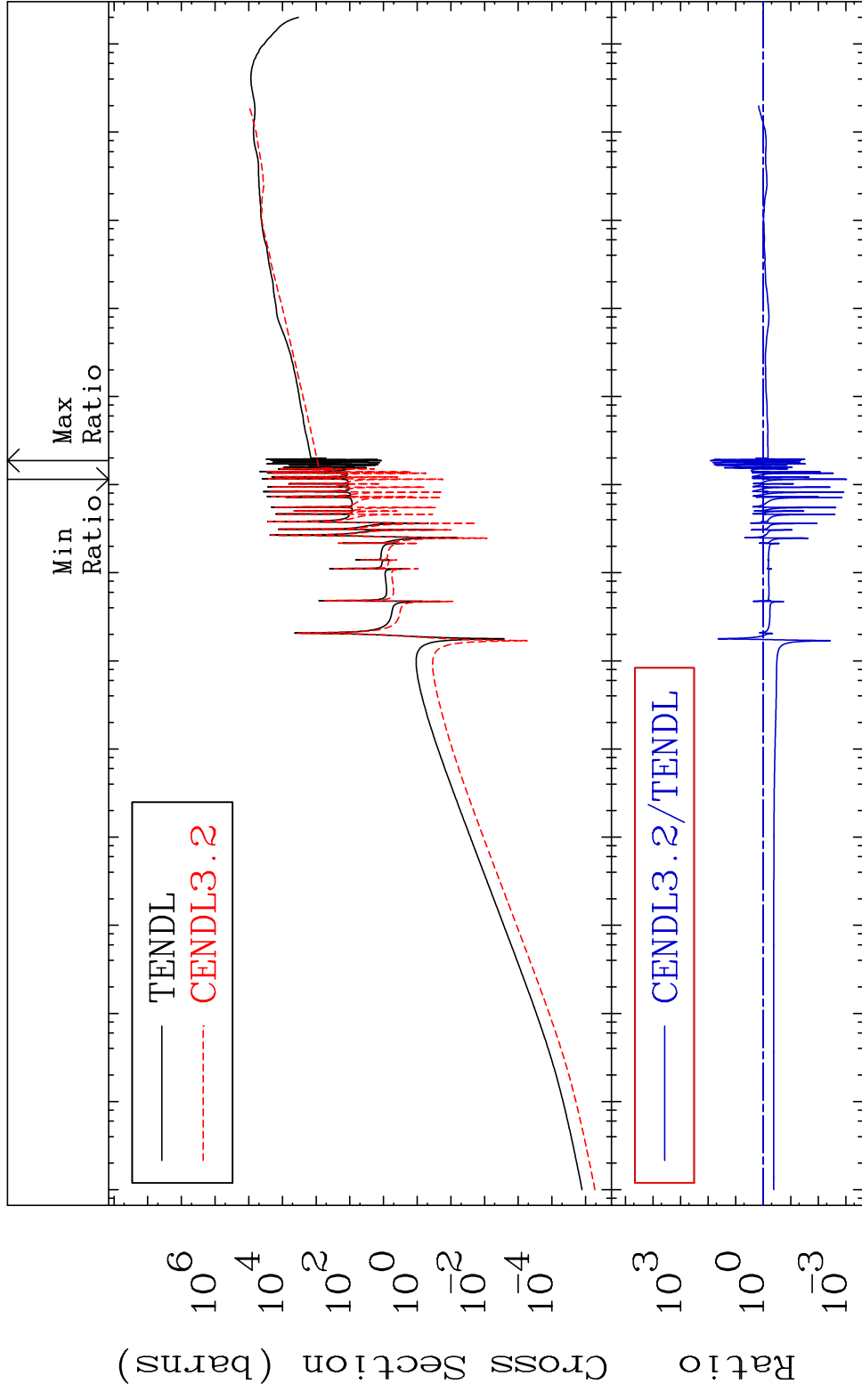
Incident Energy (eV)

62-Sm-150

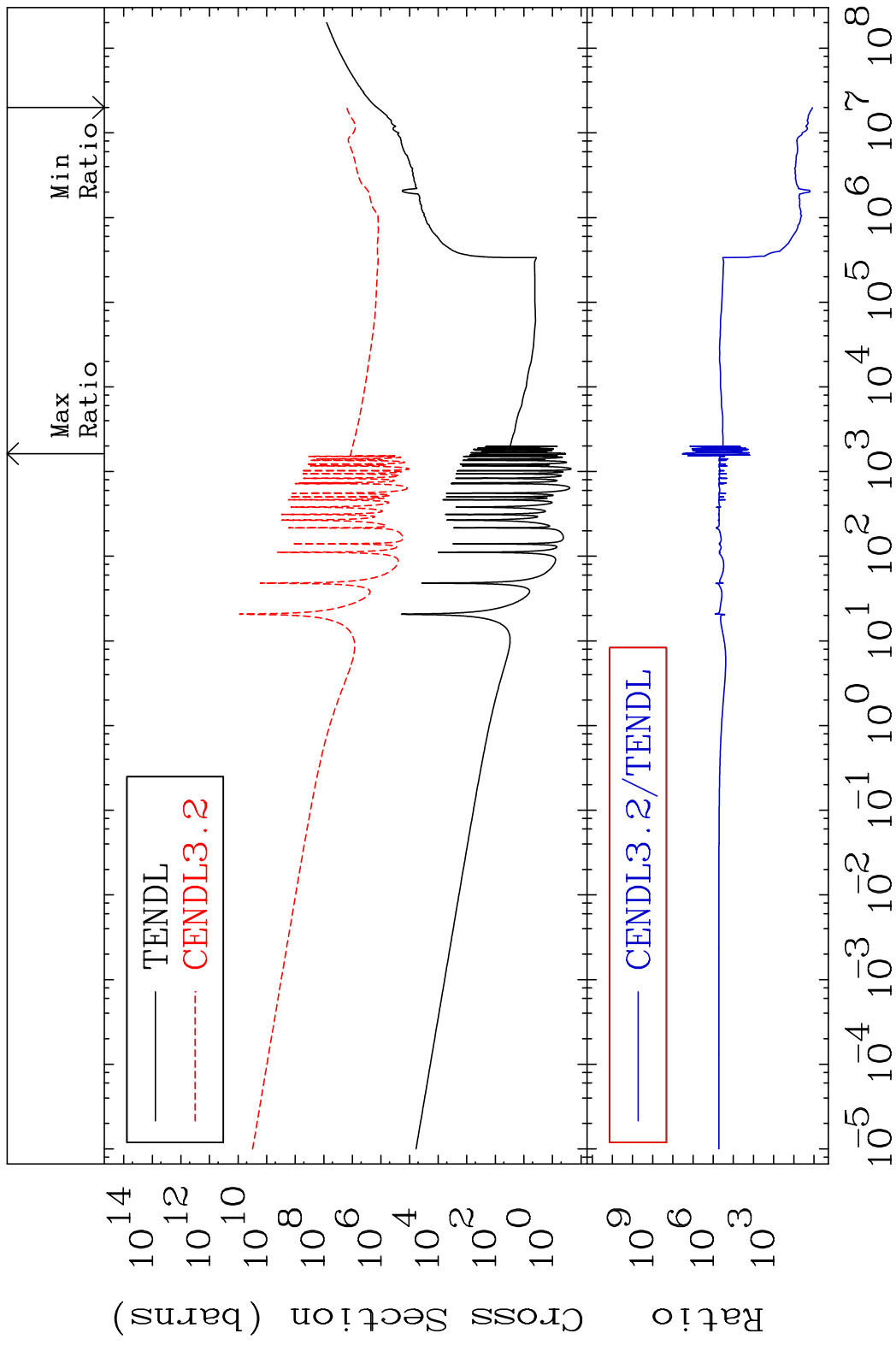
MAT 6243 Kerma total (eV-barns) 62-Sm-150
 Cross Section 1031. To 9999. %



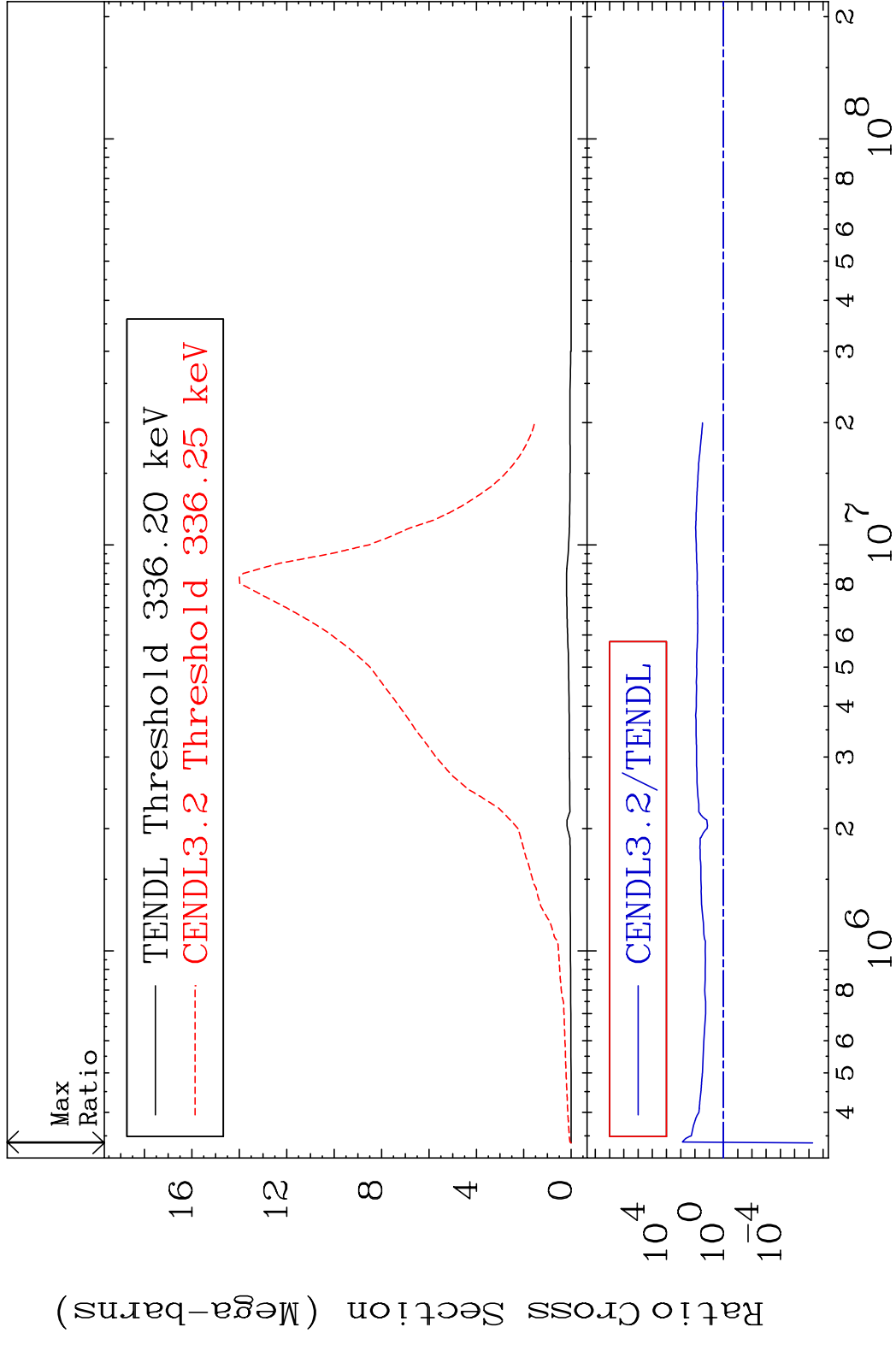
MAT 6243 Kerma elastic 62-Sm-150
 Cross Section -99.90 To 7987. %



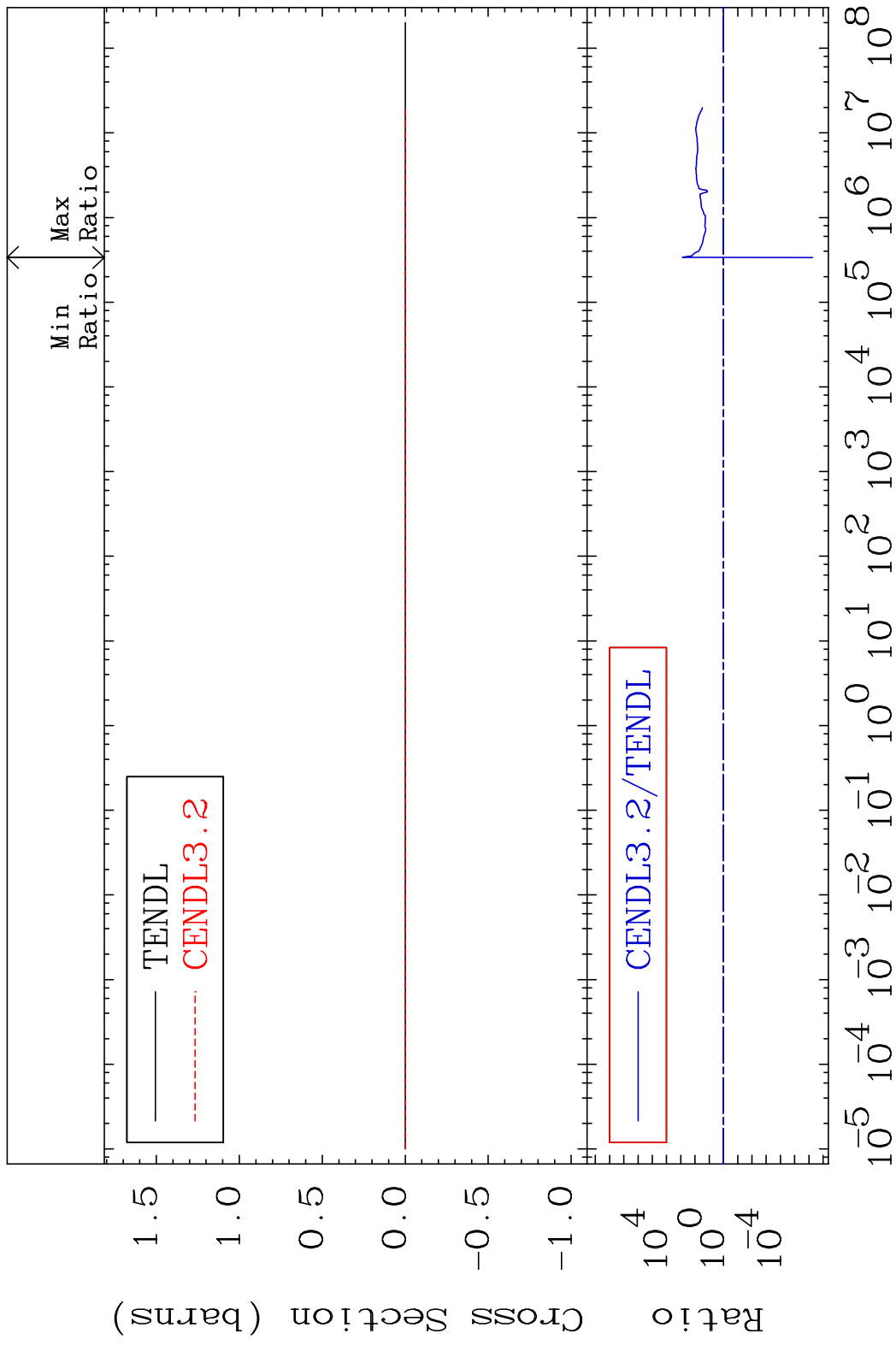
MAT 6243 Kerma non-elastic (all but mt2) 62-Sm-150
 Cross Section 1078. To 9999. %



MAT 6243 Kerma inelastic (mt51-91) 62-Sm-150
 Cross Section -100.0 To 9999. %

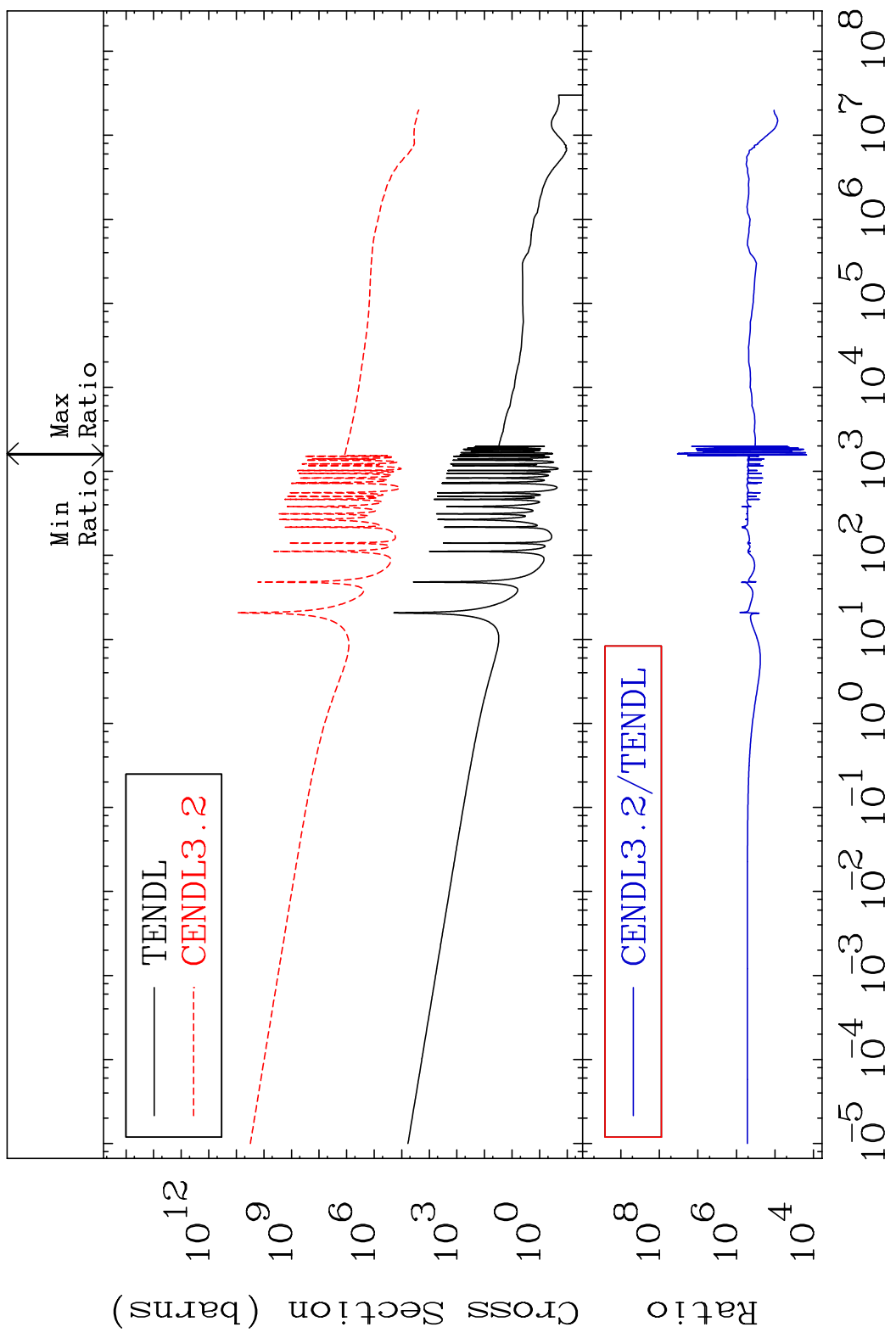


MAT 6243 Kerma fission (mt18 or mt19-20-21-38) ^{62}Sm -150
 Cross Section -100.0 To 9999. %

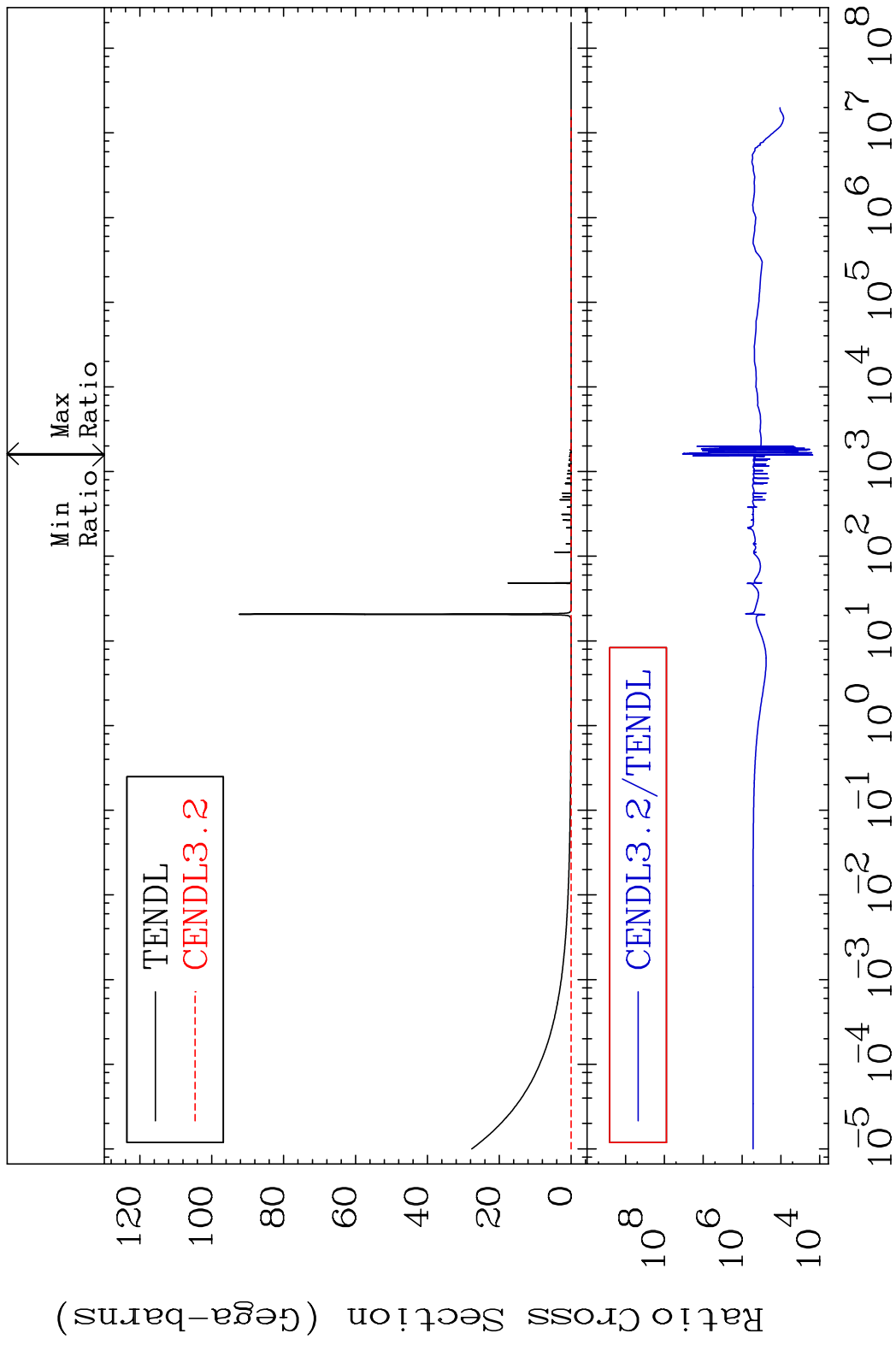


MAT 6243

Kerma capture (mt102) 62-Sm-150
Cross Section 9999. To 9999. %

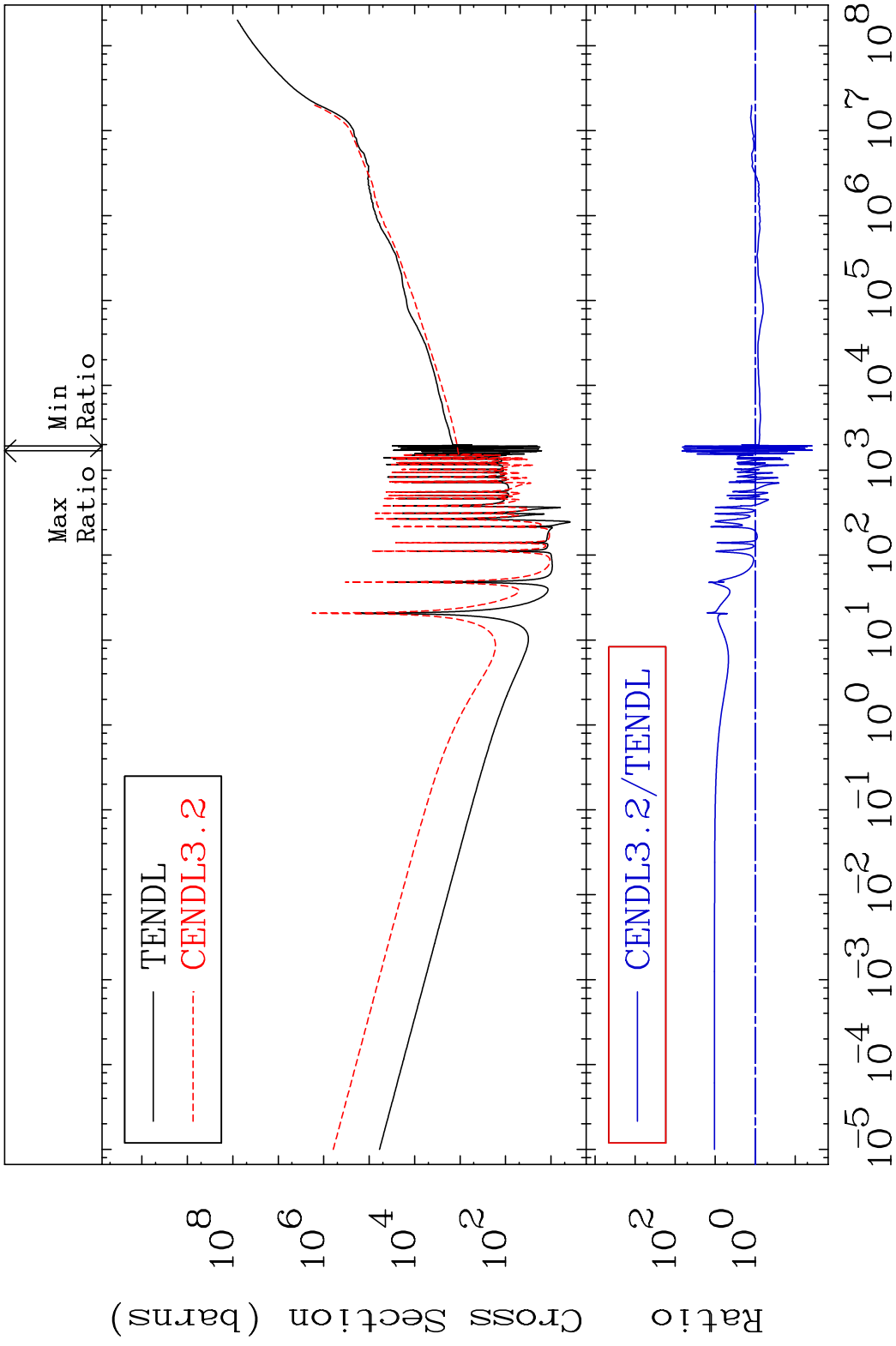


MAT 6243 Total photon (eV-barns) 62-Sm-150
Cross Section 9999. To 9999. %



42 Incident Energy (eV) 62-Sm-150

MAT 6243 Total kinematic kerma (high limit) 62-Sm-150
Cross Section -96.24 To 6763. %

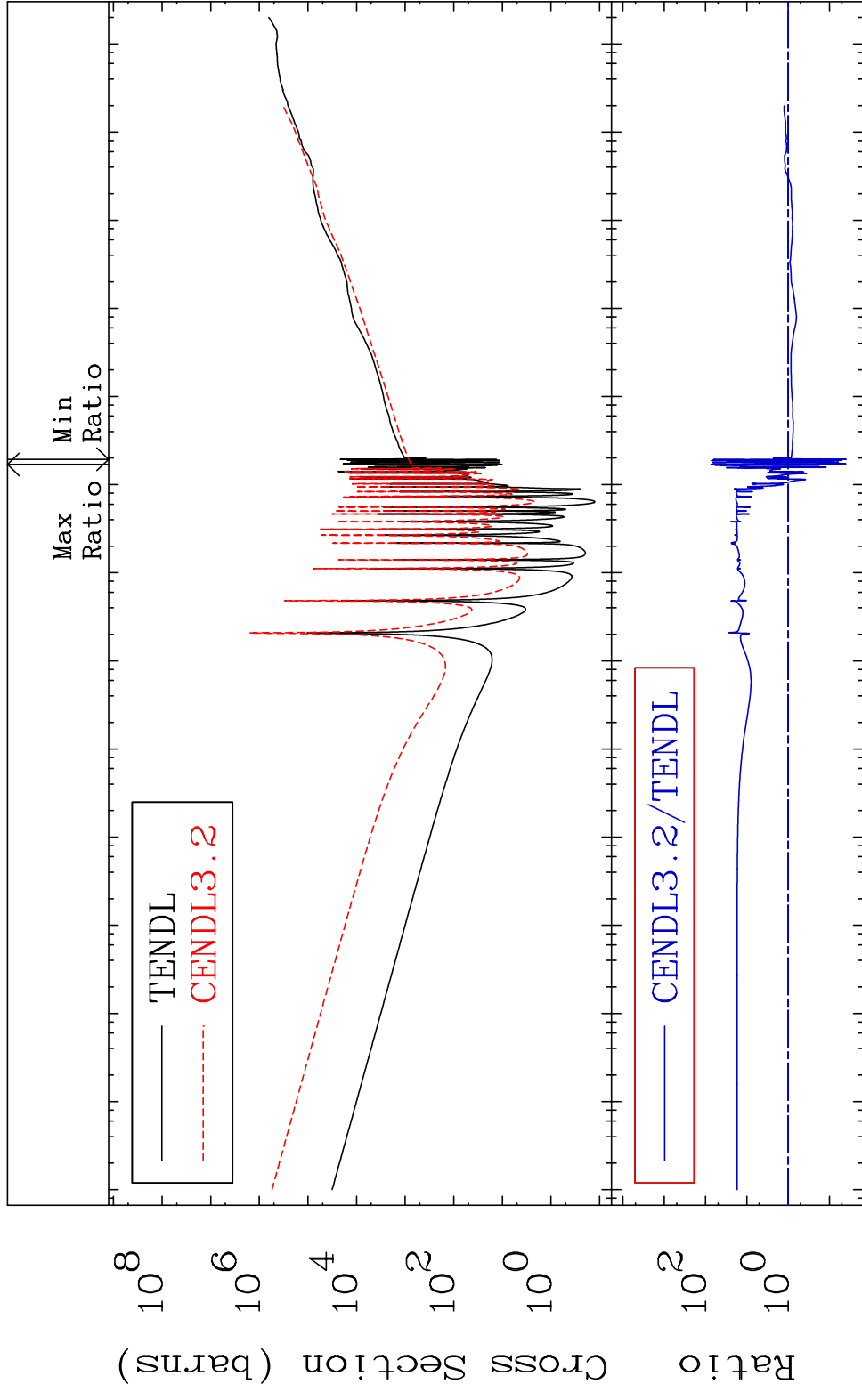


MAT 6243

Dpa total (eV-barns)

62-Sm-150

Cross Section -96.08 To 7406. %



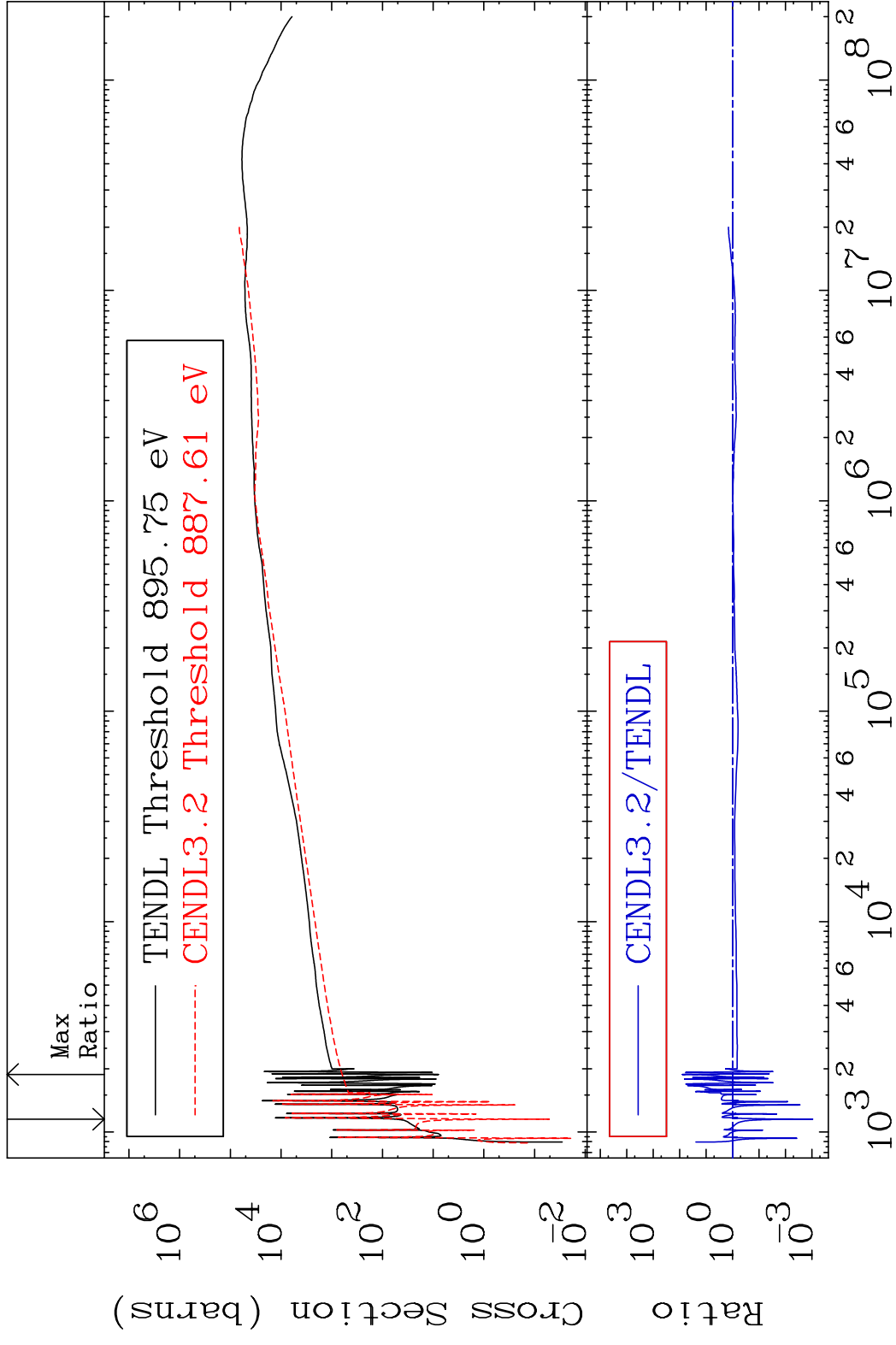
MAT 6243

Dpa elastic (mt2)

62-Sm-150

Cross Section

-99.90 To 7859. %

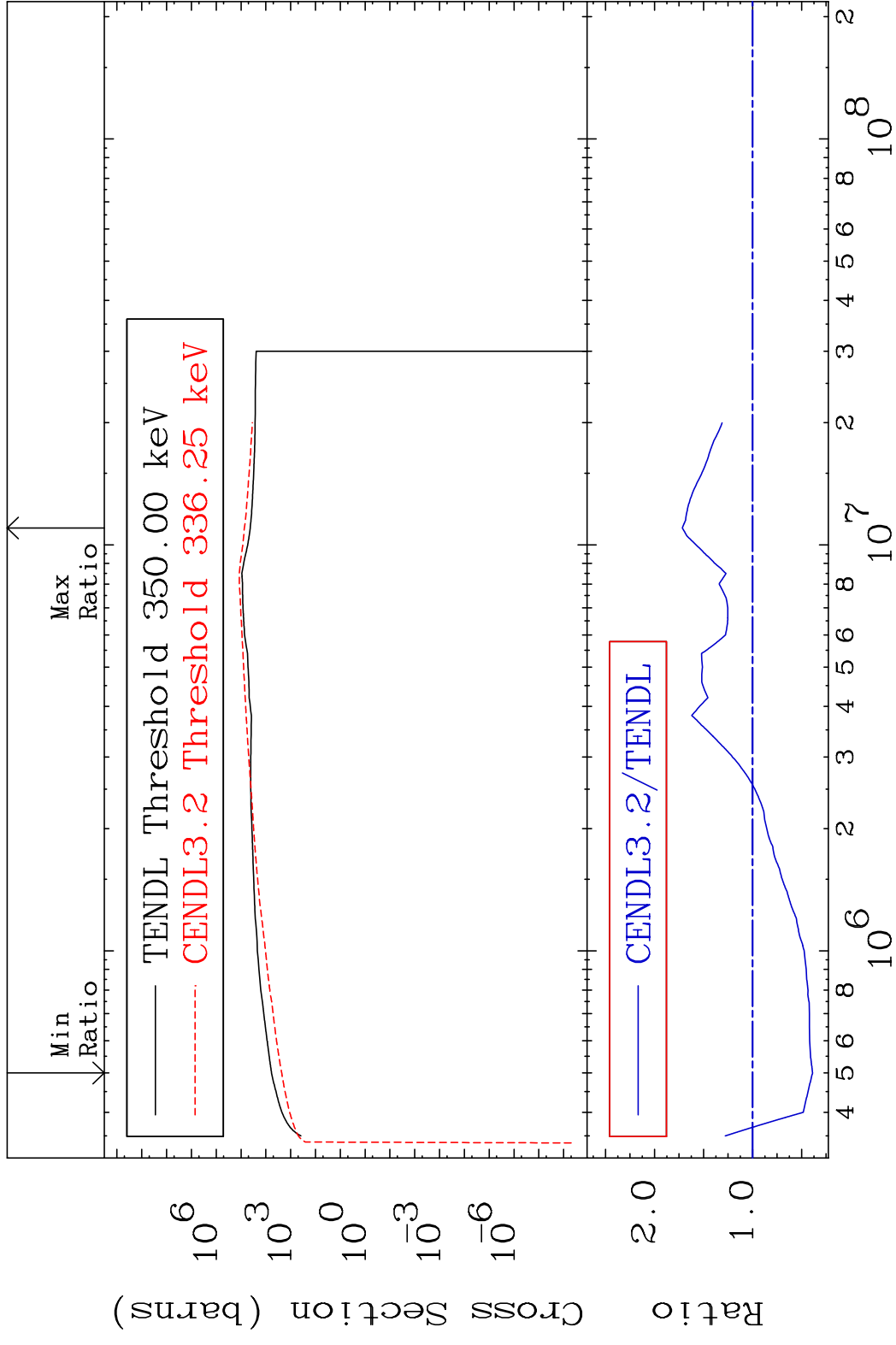


45

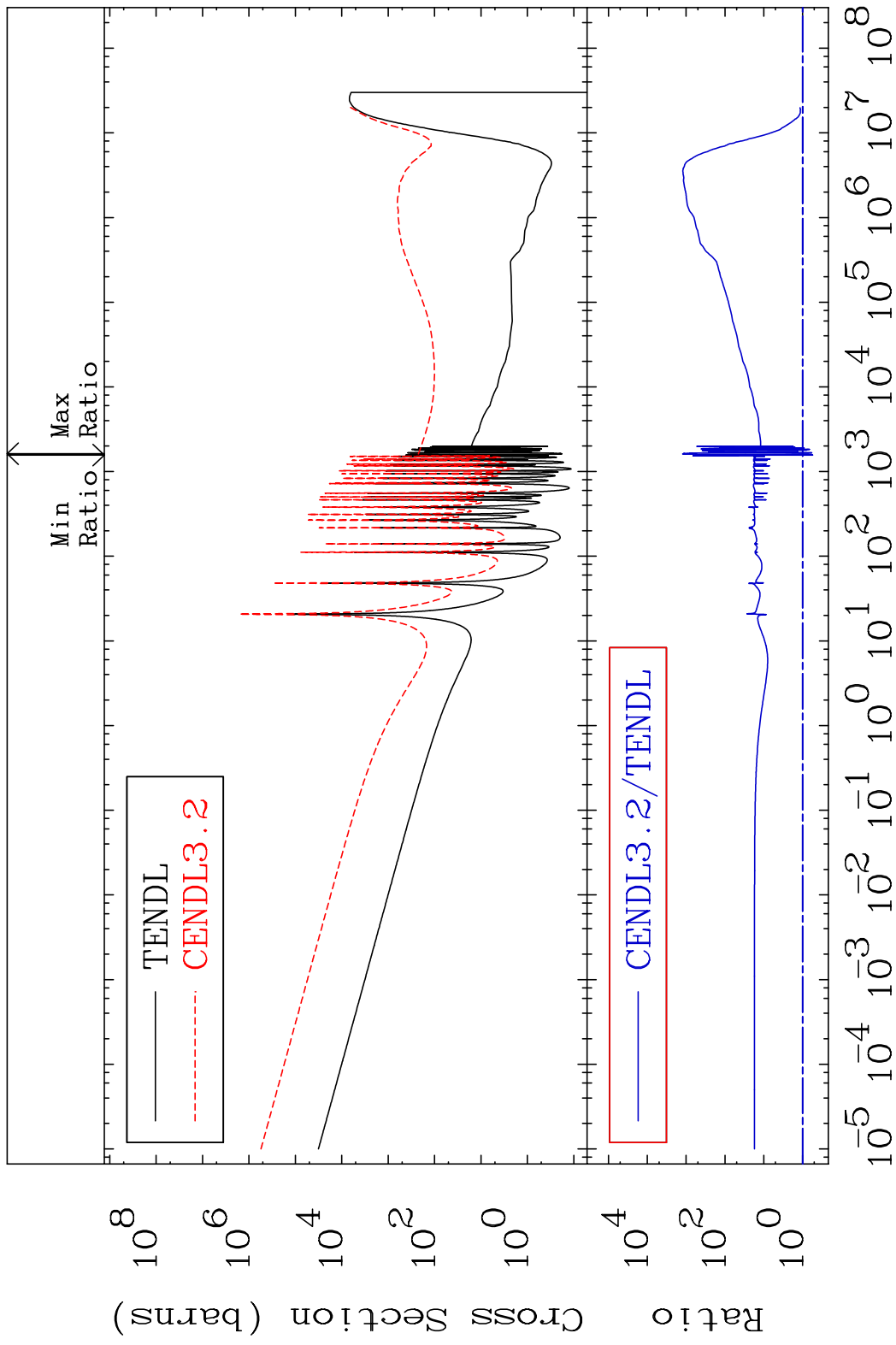
Incident Energy (eV)

62-Sm-150

MAT 6243 Dpa inelastic (mt51-91) 62-Sm-150
 Cross Section -61.12 To 71.62 %



MAT 6243 Dpa disappearance (mt102 -120) 62-Sm-150
 Cross Section -44.85 To 9999. %

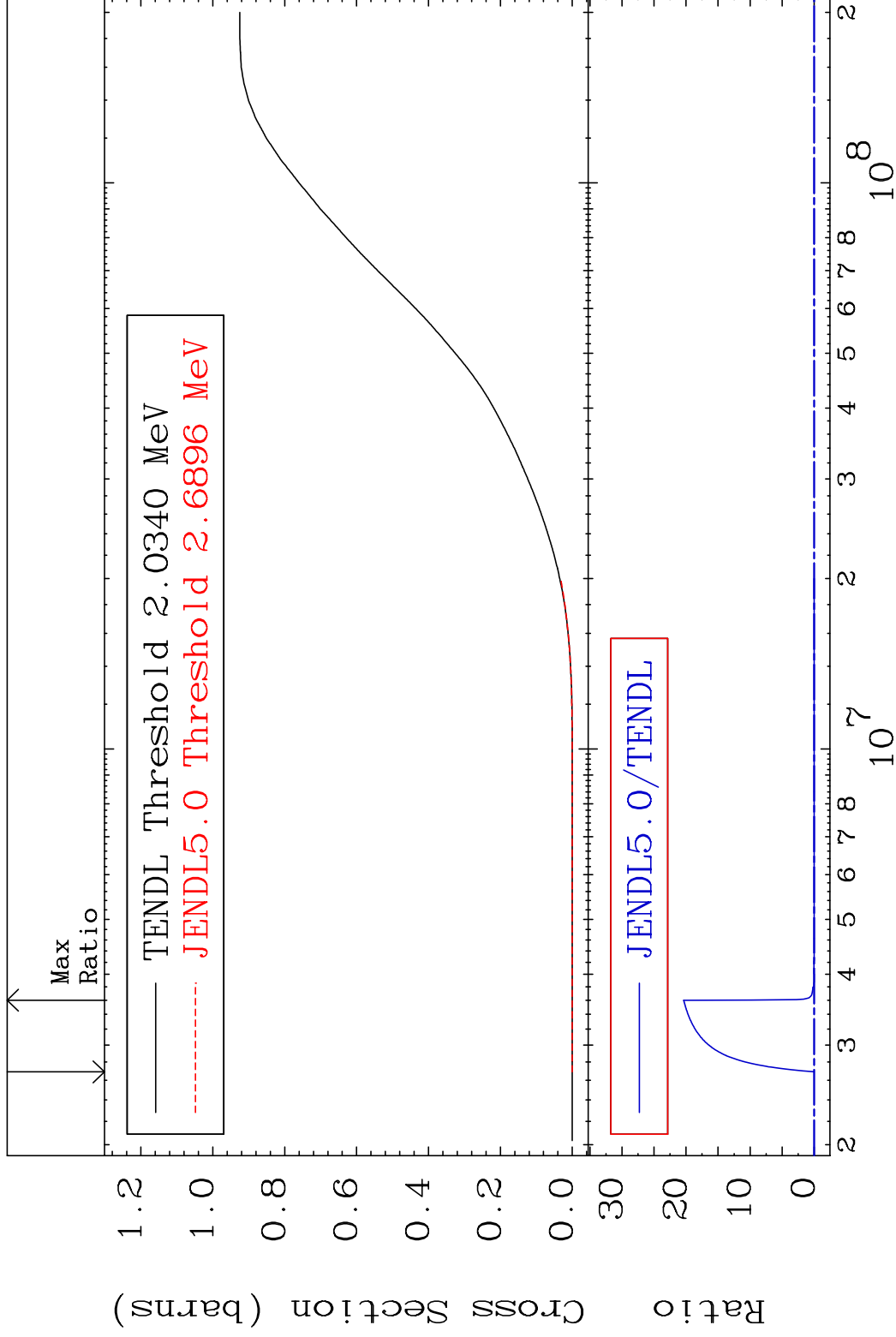


MAT 6243

Hydrogen Production

62-Sm-150

Cross Section -100.0 To 9999. %



48

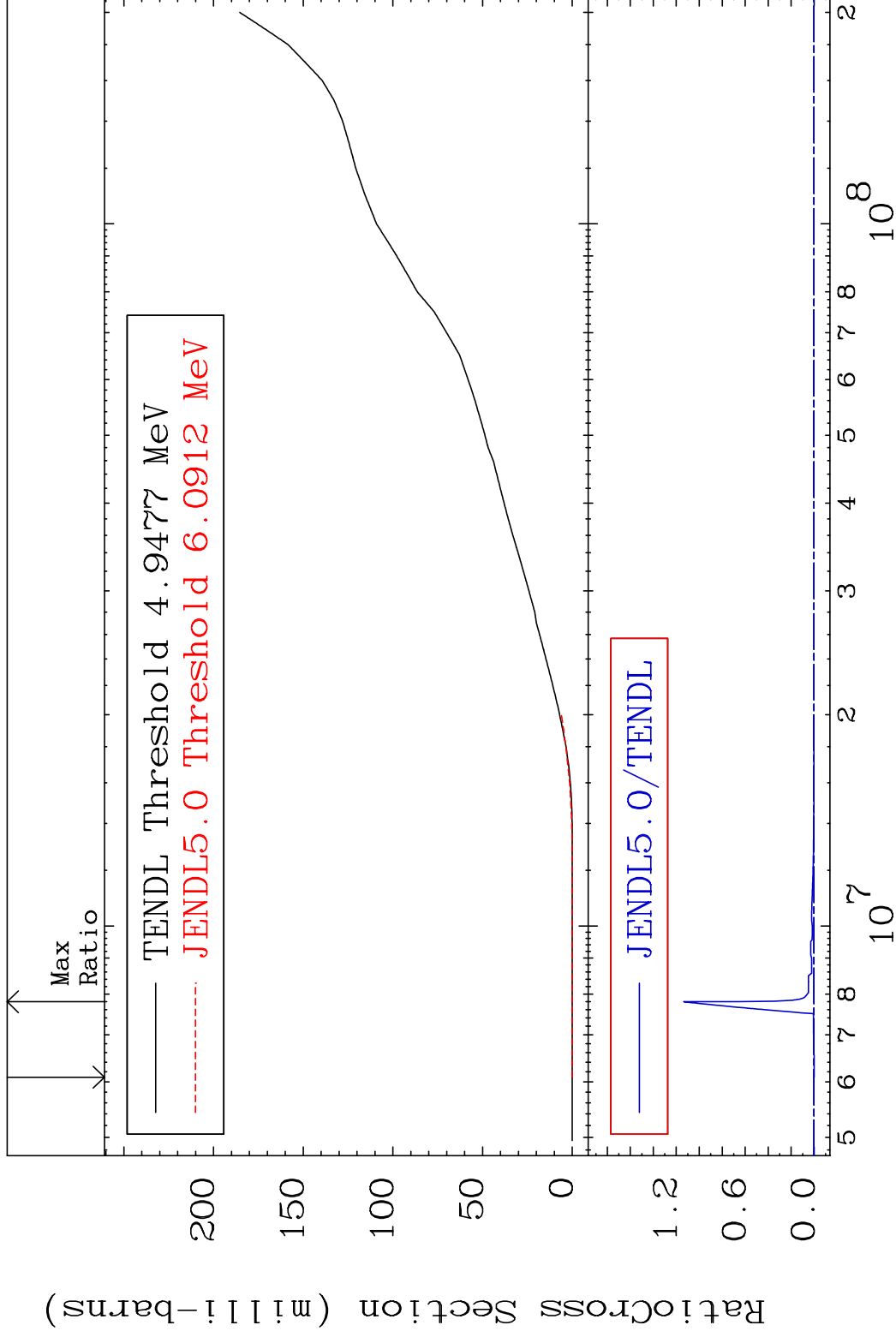
Incident Energy (eV)

62-Sm-150

MAT 6243

Deuterium Production 62-Sm-150

Cross Section -100.0 To 9999. %

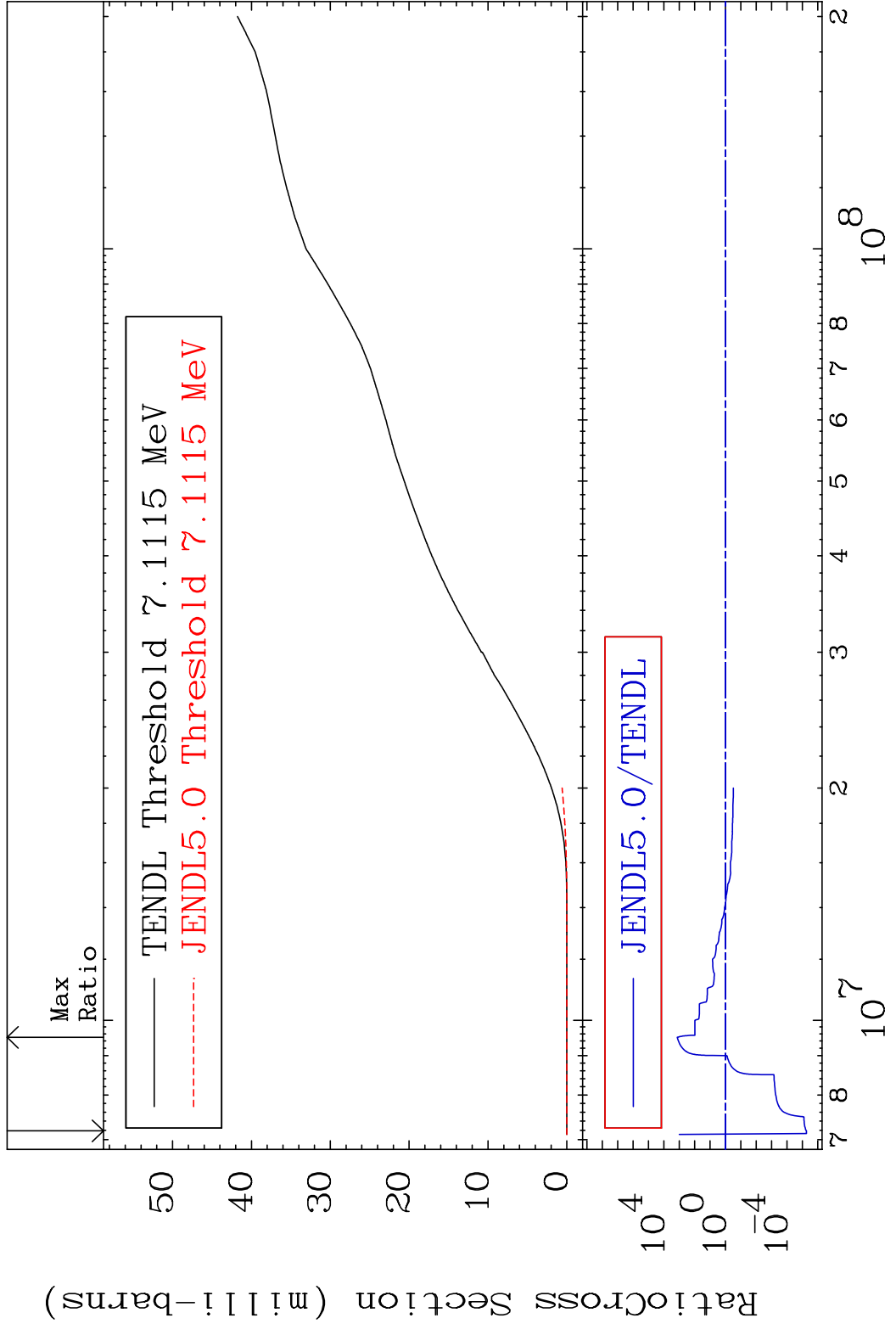


49

Incident Energy (eV)

62-Sm-150

MAT 6243 Tritium Production 62-Sm-150
 Cross Section -100.0 To 9999. %



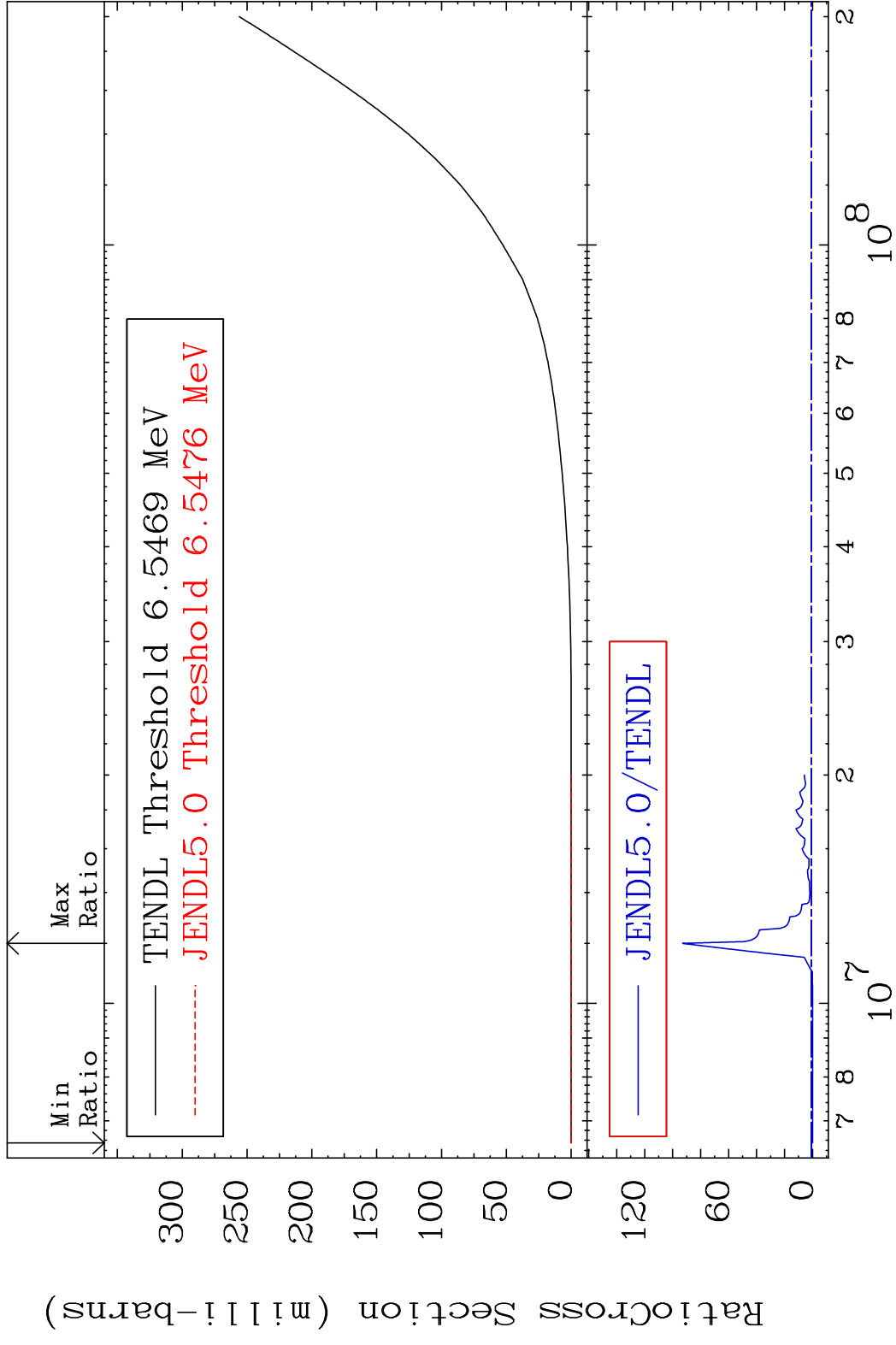
50 Incident Energy (eV) 62-Sm-150

MAT 6243

He-3 Production

62-Sm-150

Cross Section -100.0 To 9208. %

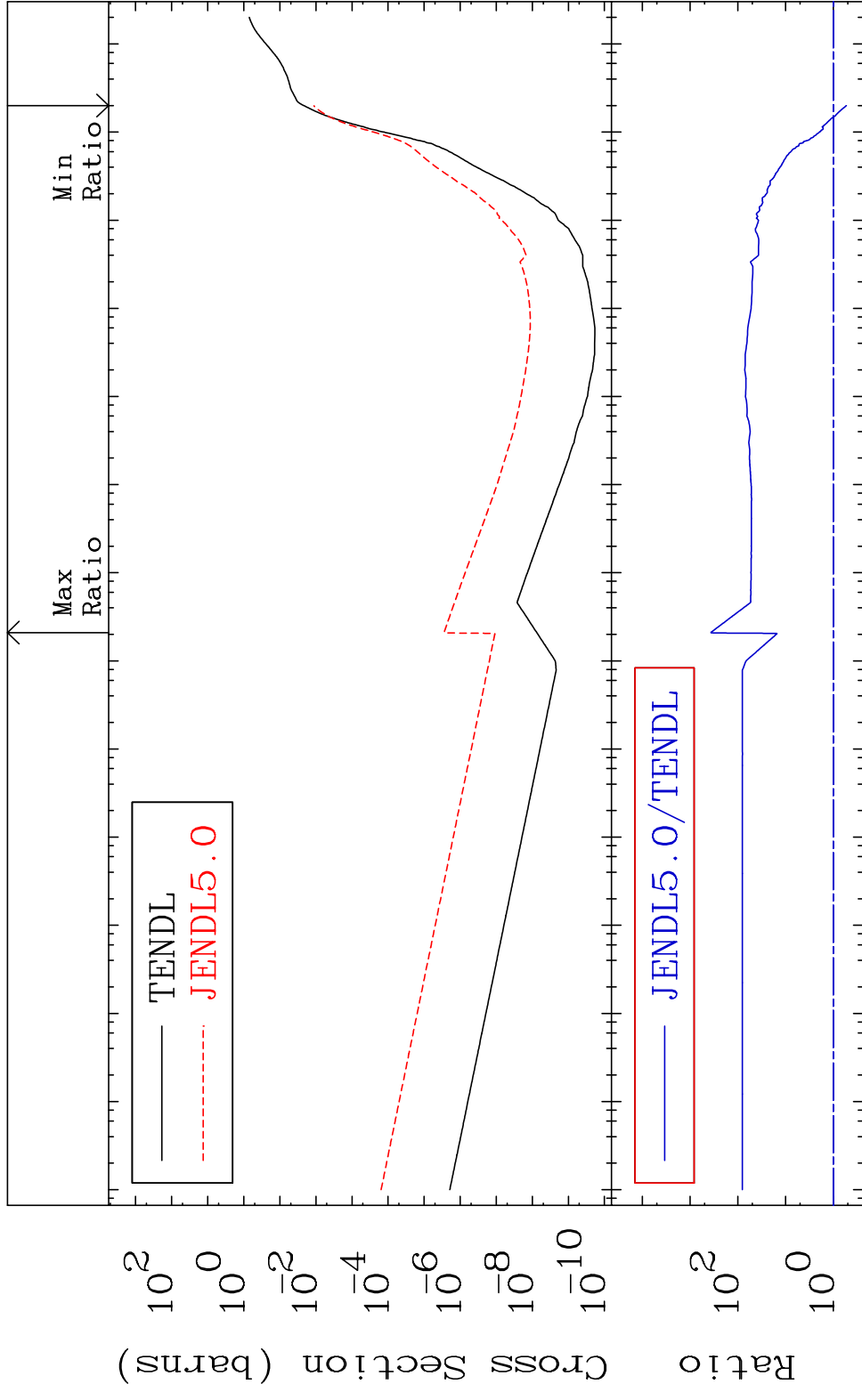


MAT 6243

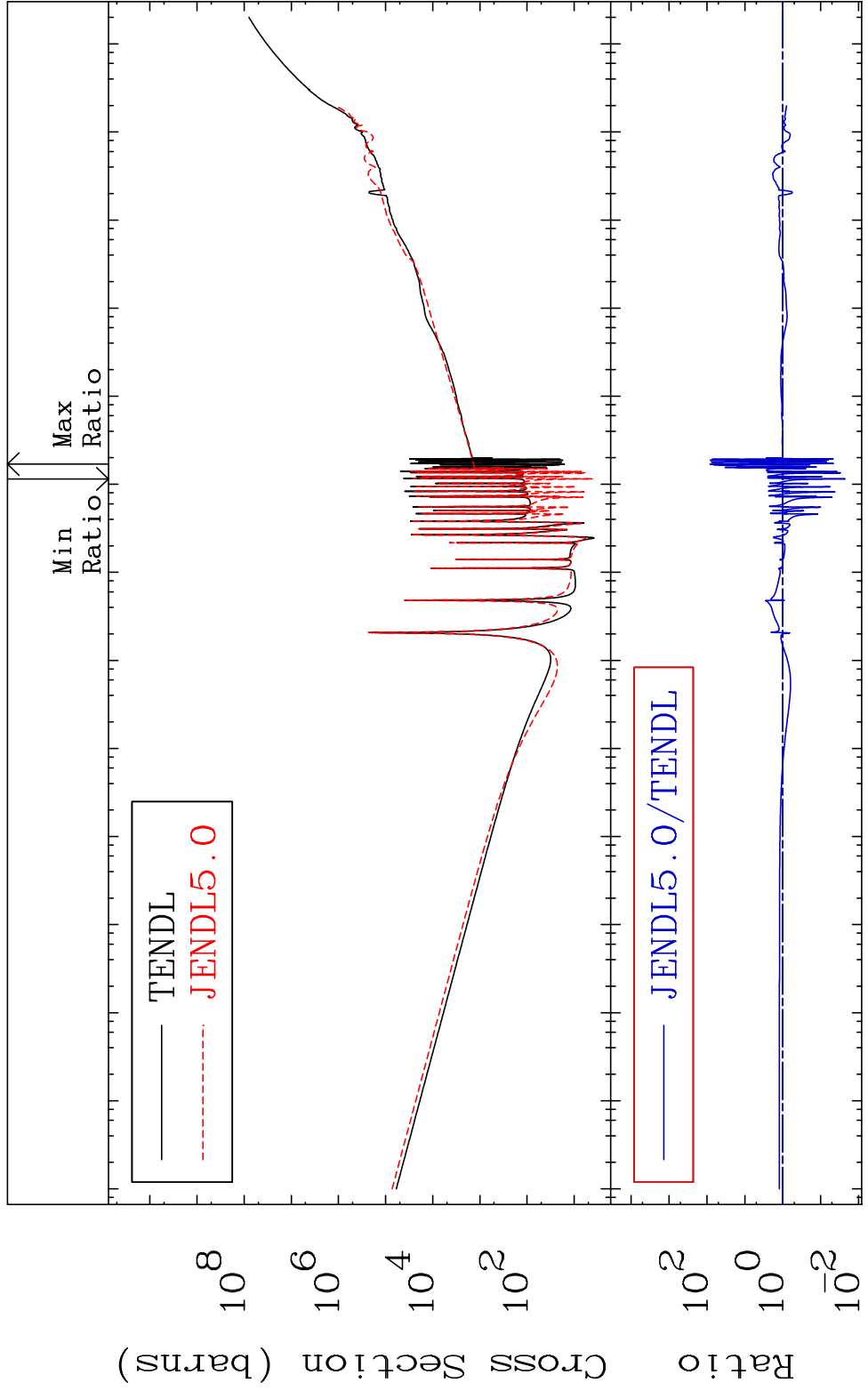
He-4 Production

62-Sm-150

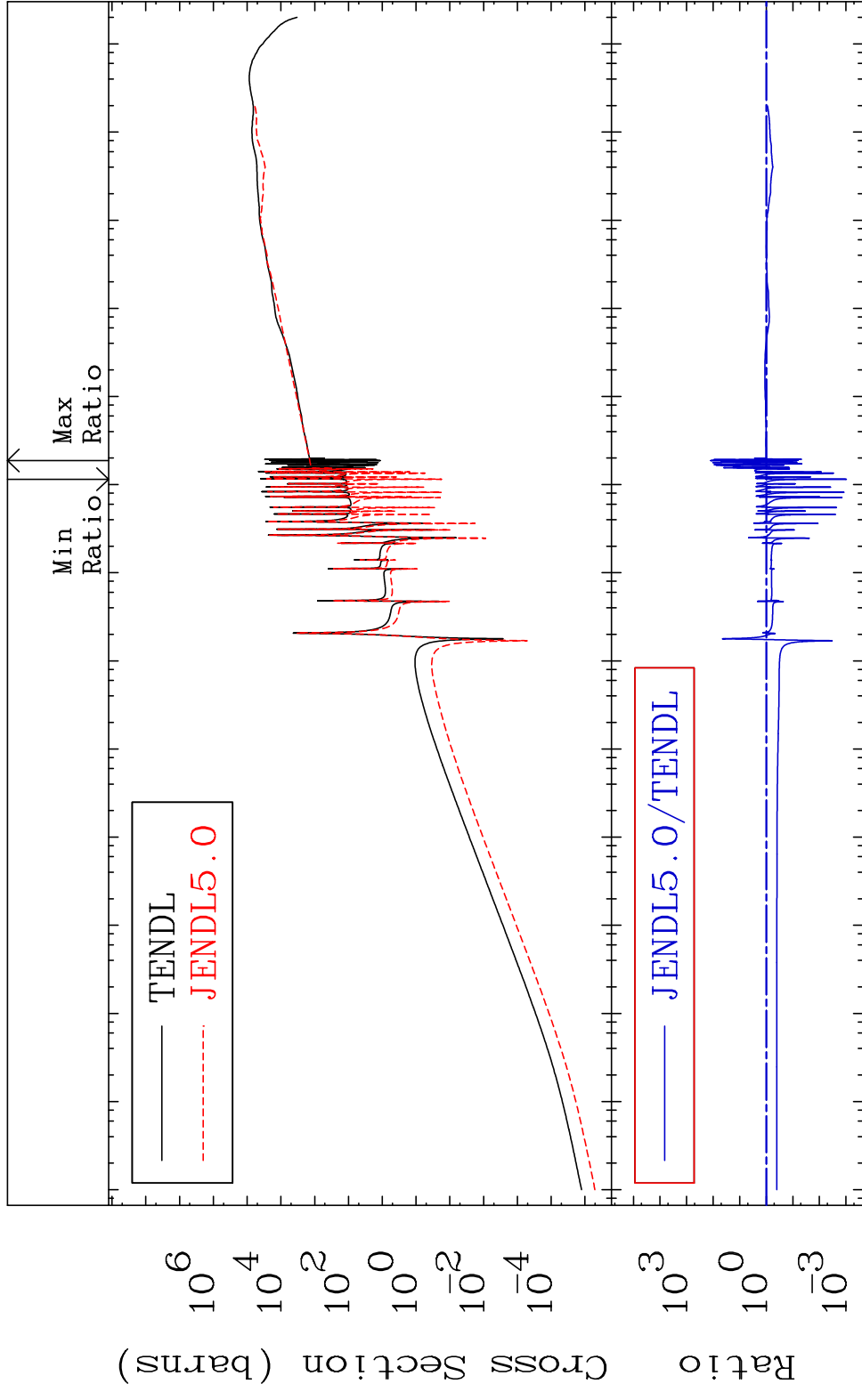
Cross Section -46.37 To 9999. %



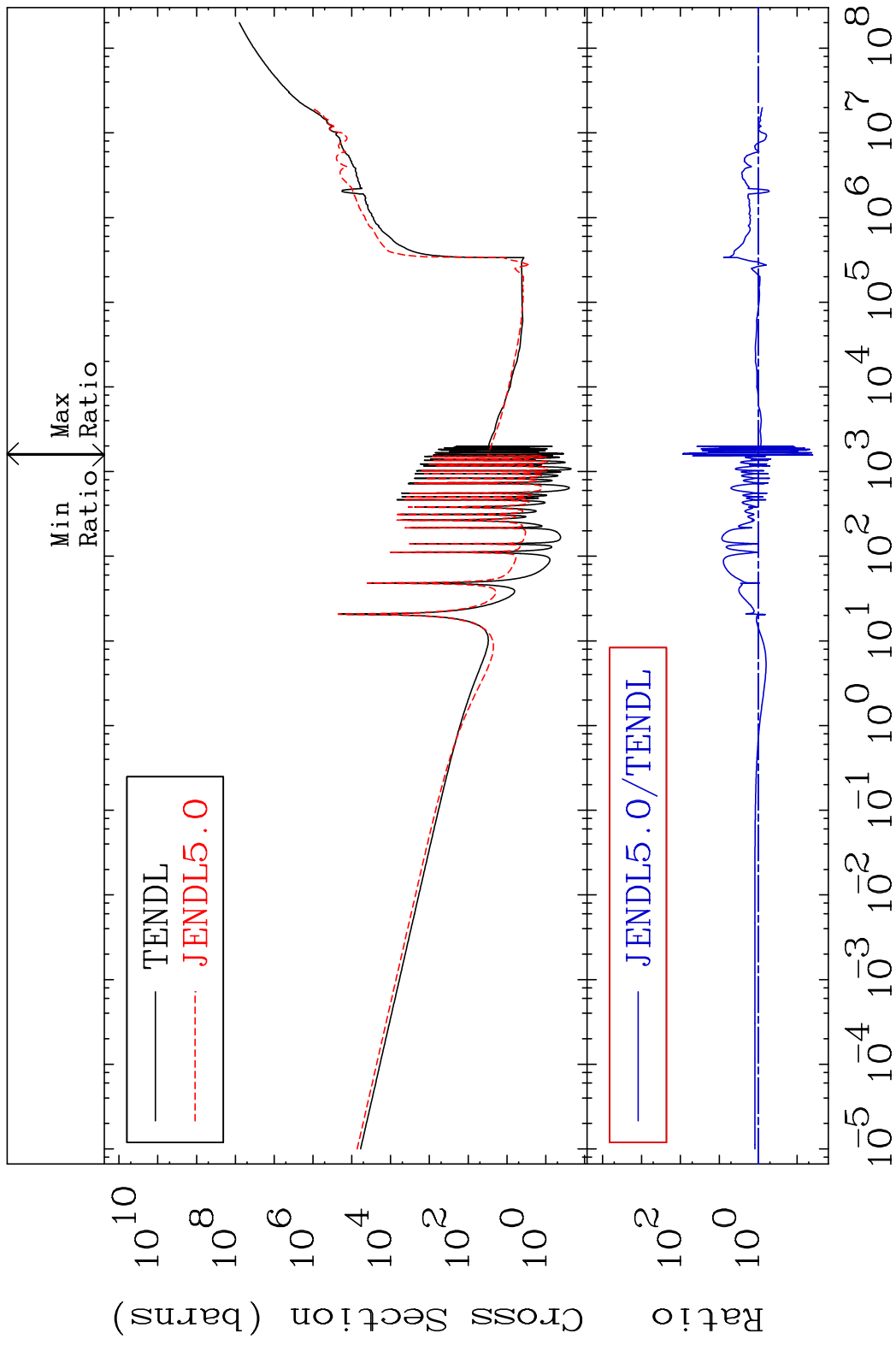
MAT 6243 Kerma total (eV-barns) 62-Sm-150
 Cross Section -97.75 To 8291. %



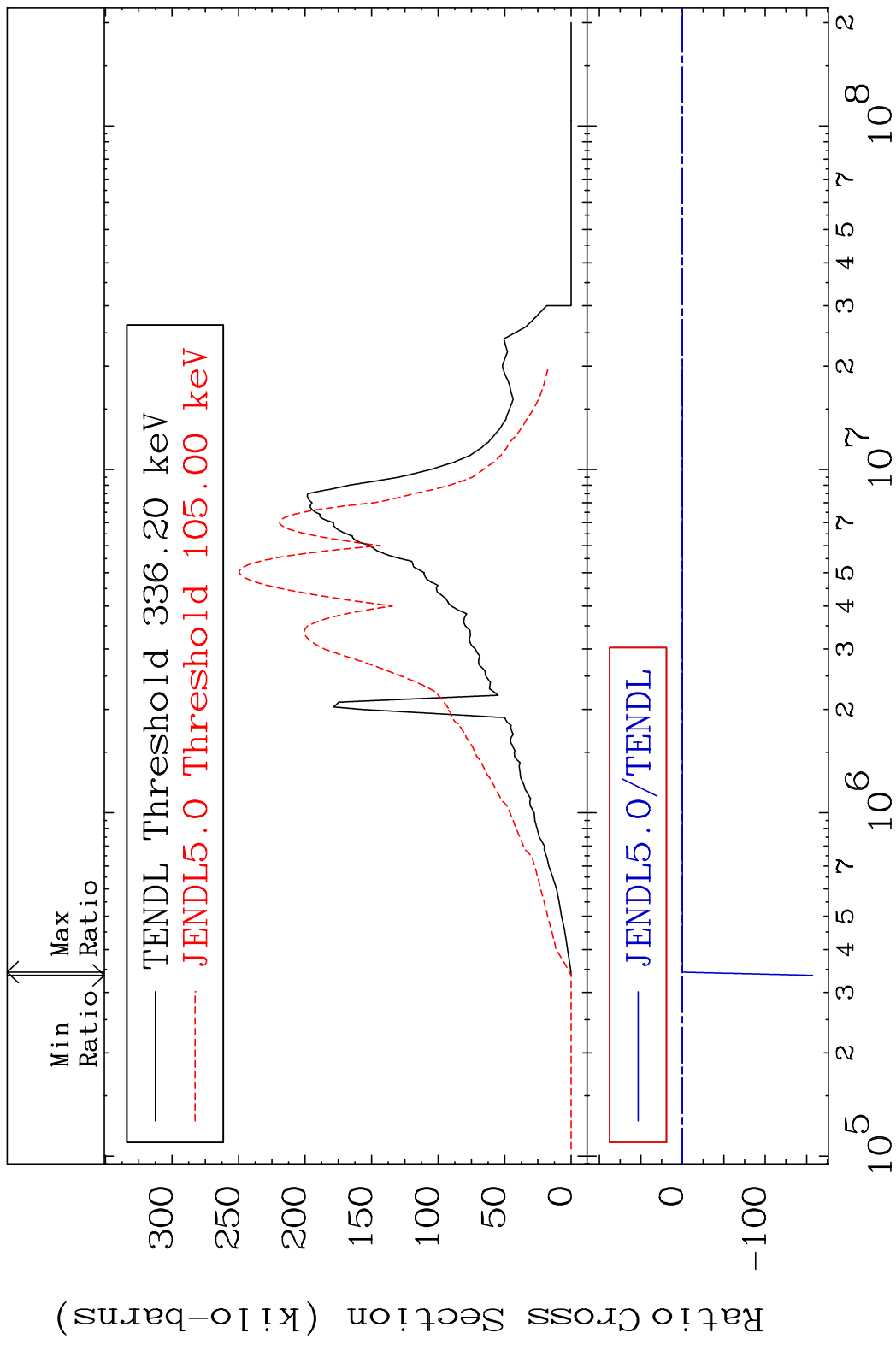
MAT 6243 Kerma elastic 62-Sm-150
 Cross Section -99.90 To 9999. %



MAT 6243 Kerma non-elastic (all but mt2) 62-Sm-150
 Cross Section -95.99 To 8810. %

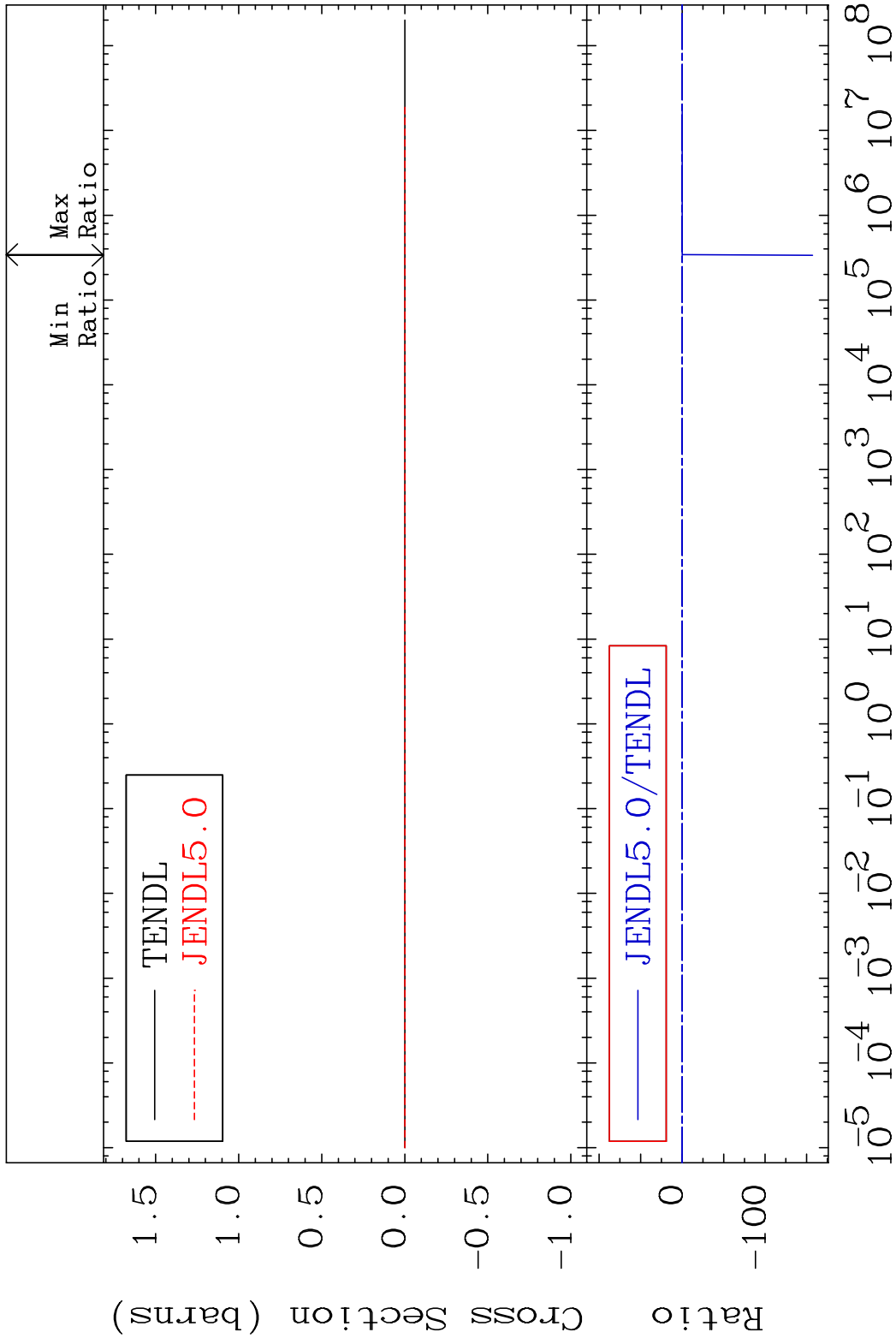


MAT 6243 Kerma inelastic (mt51-91) 62-Sm-150
 Cross Section -9999. To 414.2 %



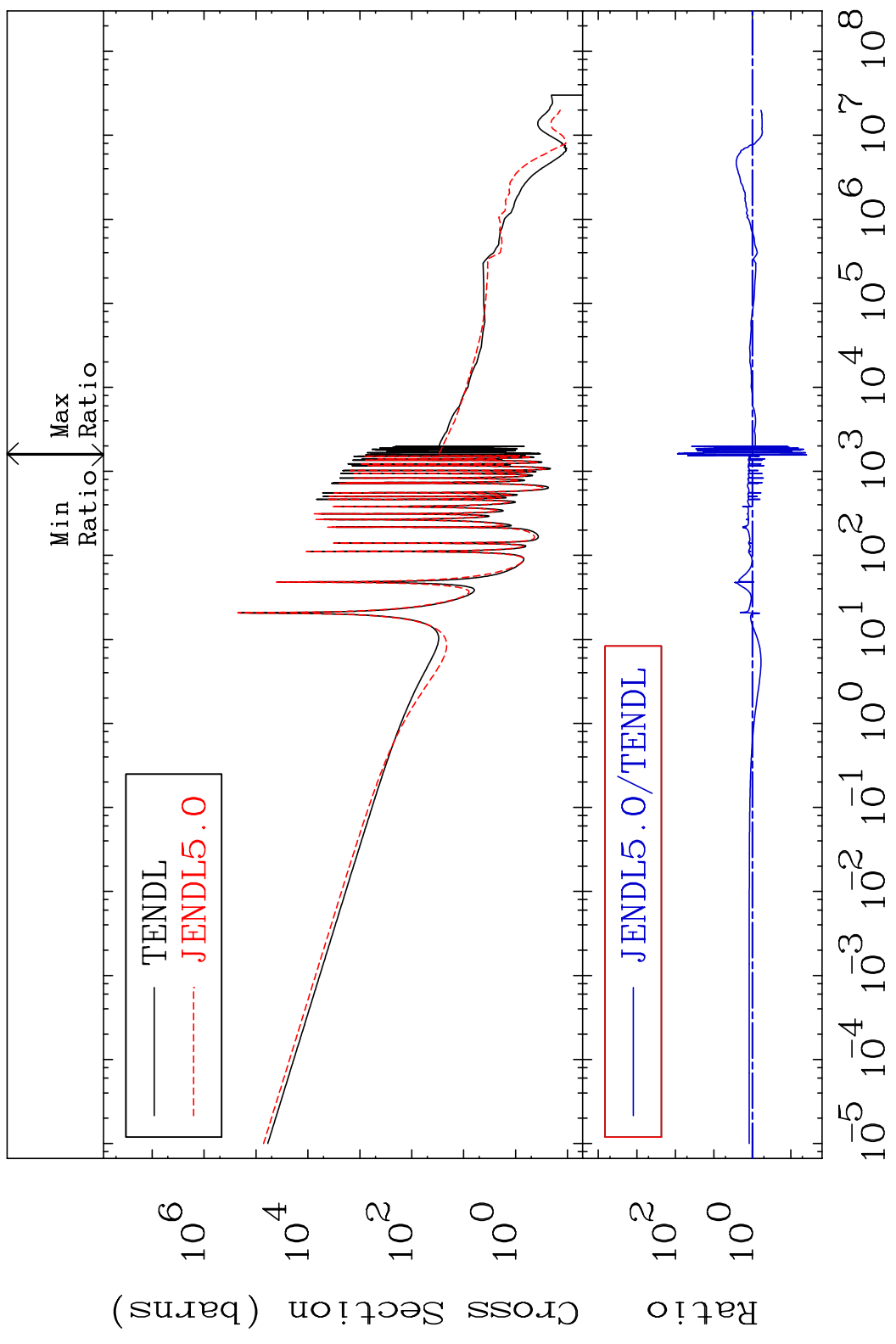
56 Incident Energy (eV) 62-Sm-150

MAT 6243 Kerma fission (mt18 or mt19-20-21-38) ^{62}Sm -150
 Cross Section -9999. To 414.2 %



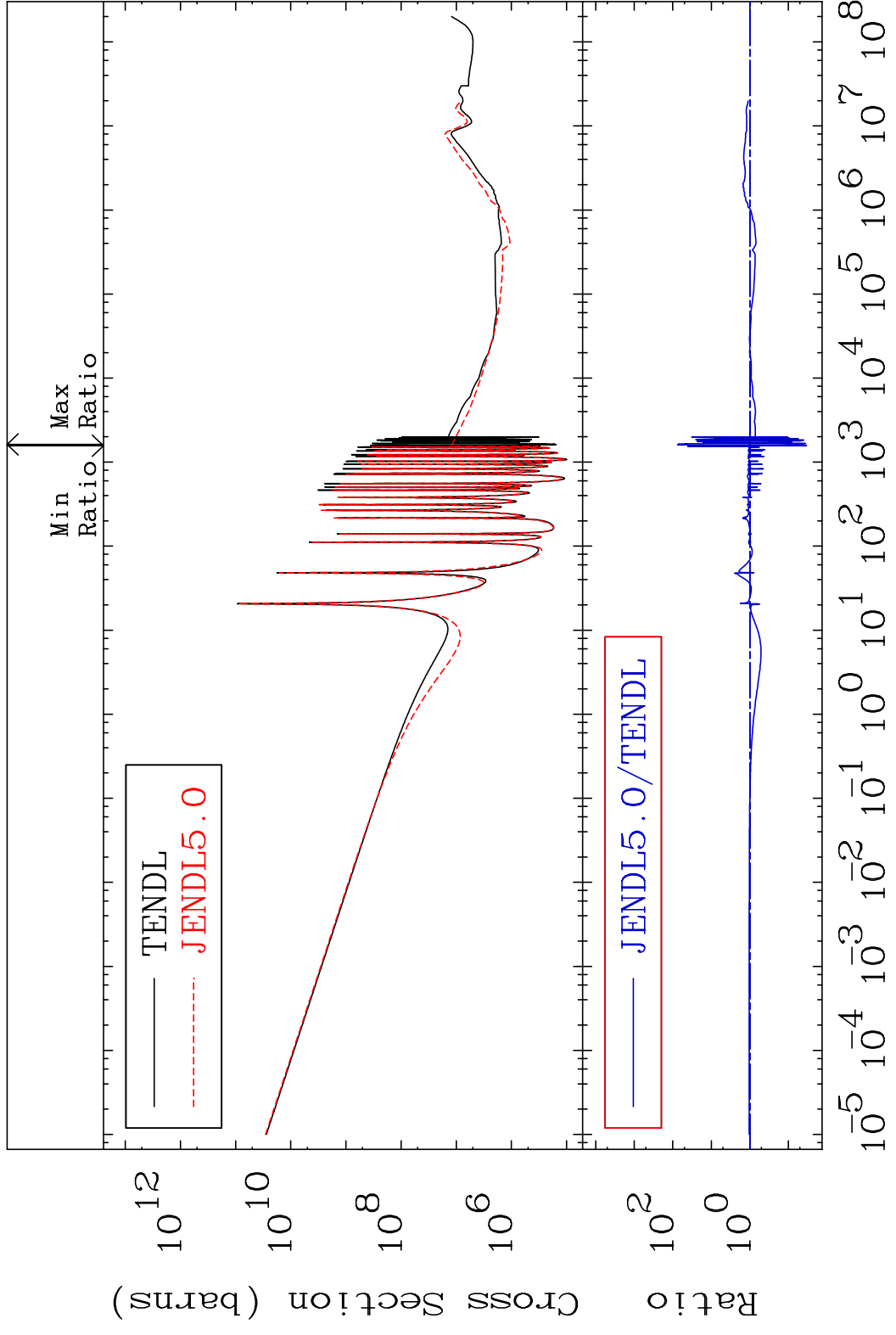
MAT 6243

Kerma capture (mt102) 62-Sm-150
Cross Section -96.05 To 8860. %



MAT 6243

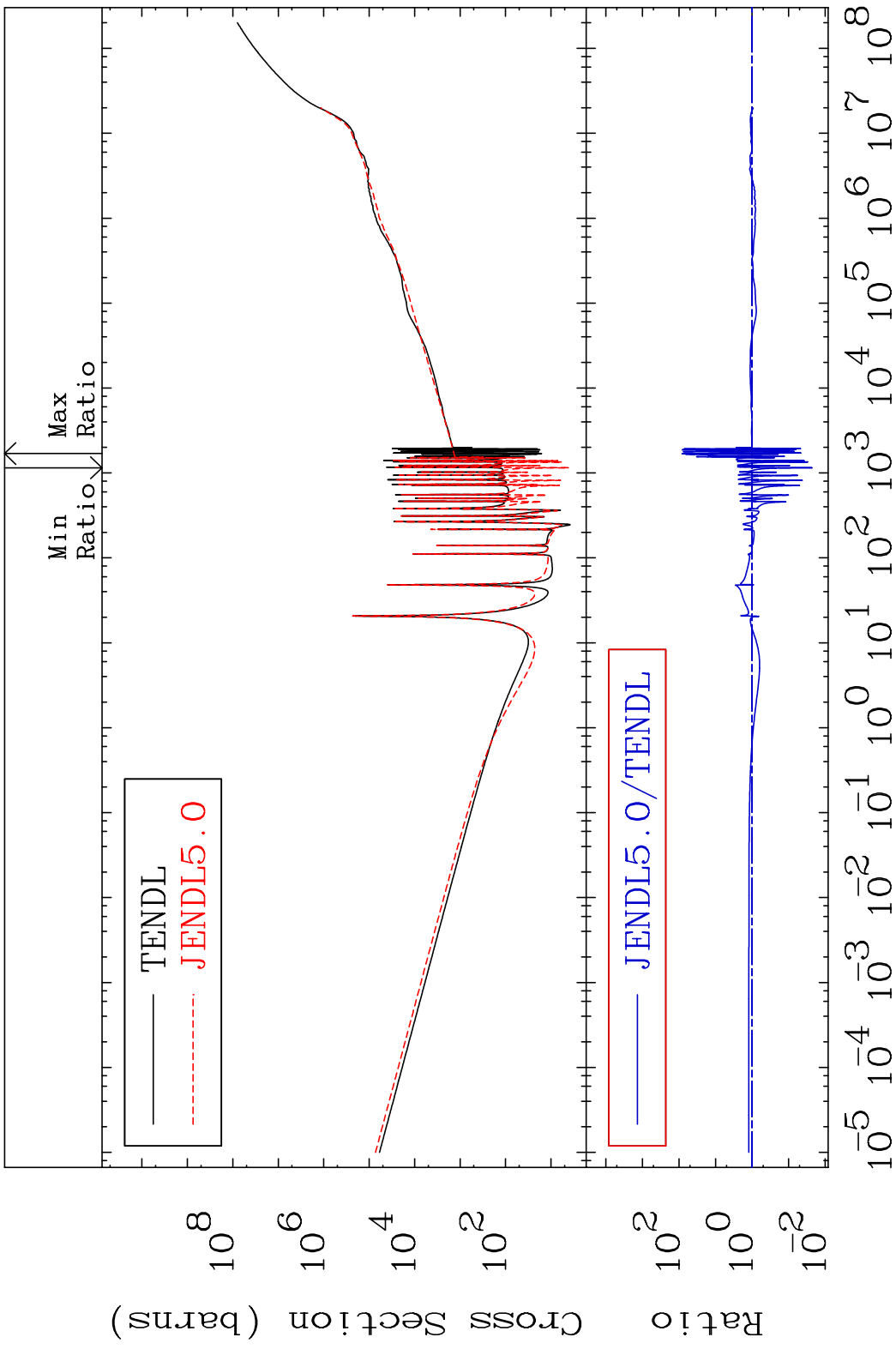
Total photon (eV-barns) 62-Sm-150
Cross Section -96.61 To 7582. %



59

Incident Energy (eV) 62-Sm-150

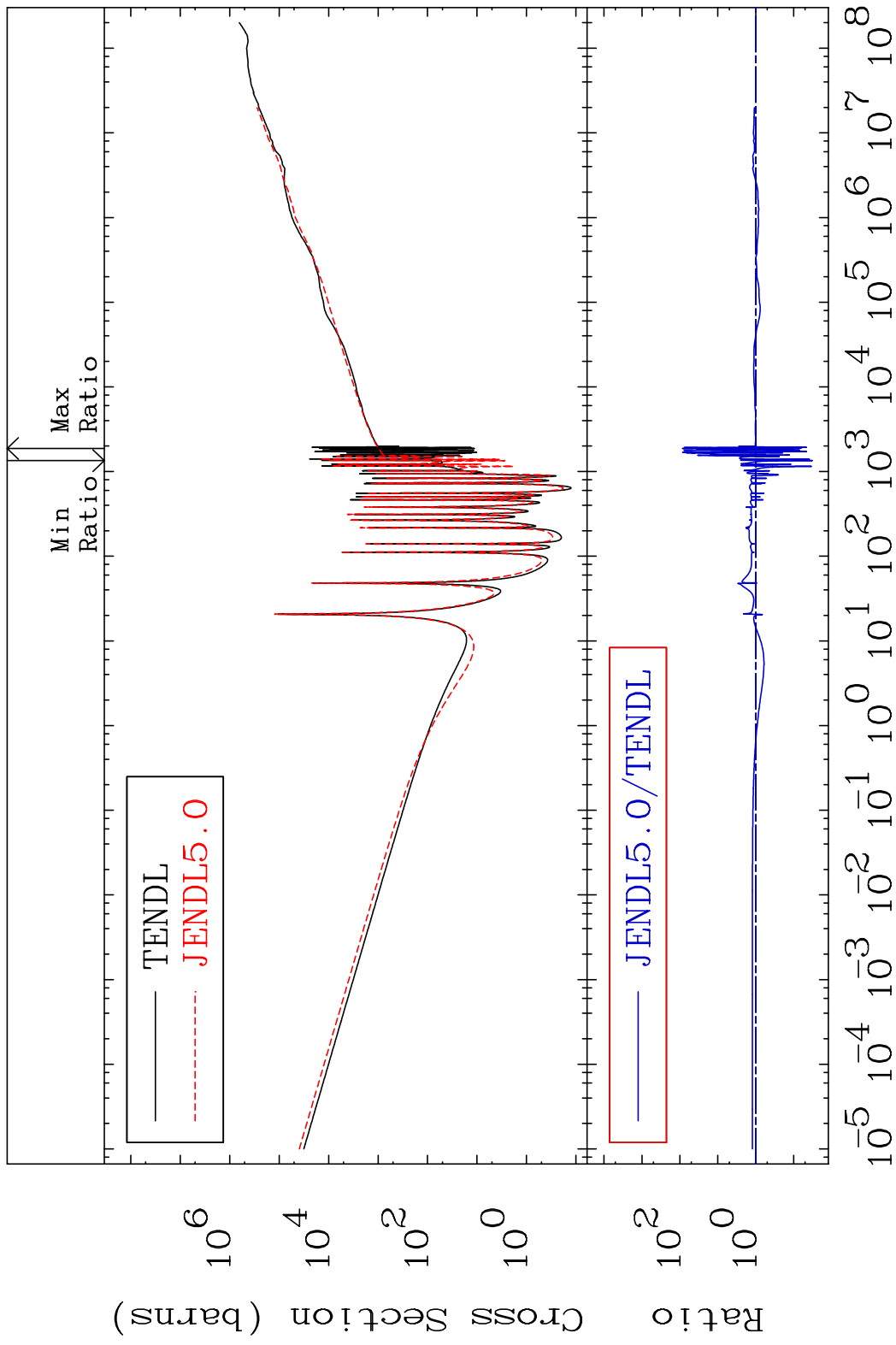
MAT 6243 Total kinematic kerma (high limit) 62-Sm-150
Cross Section -97.75 To 8291. %



60

Incident Energy (eV) 62-Sm-150

MAT 6243 Dpa total (eV-barns) 62-Sm-150
 Cross Section -96.80 To 8509. %



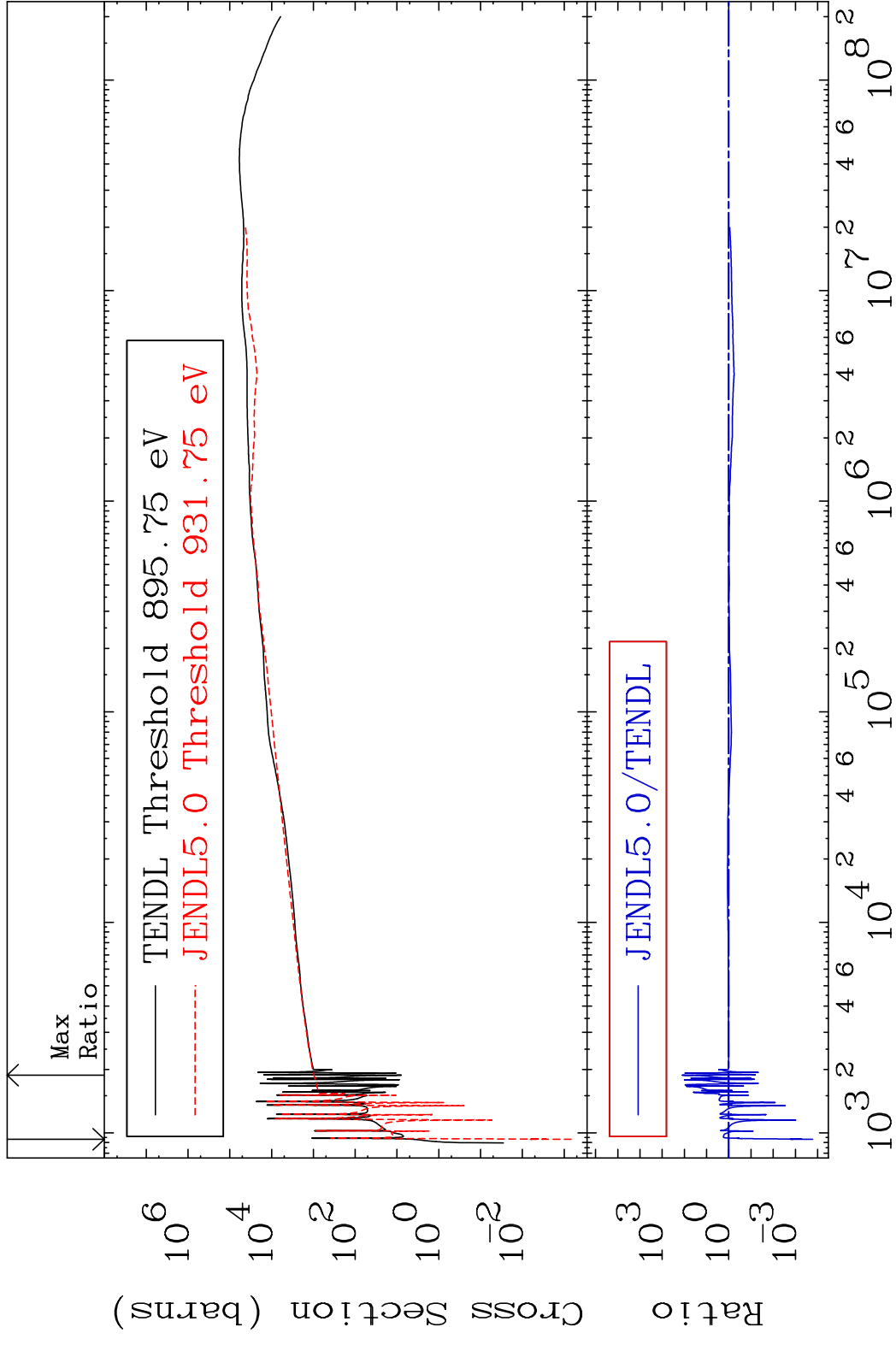
61 Incident Energy (eV) 62-Sm-150

MAT 6243

Dpa elastic (mt2)

62-Sm-150

Cross Section -99.98 To 9999. %



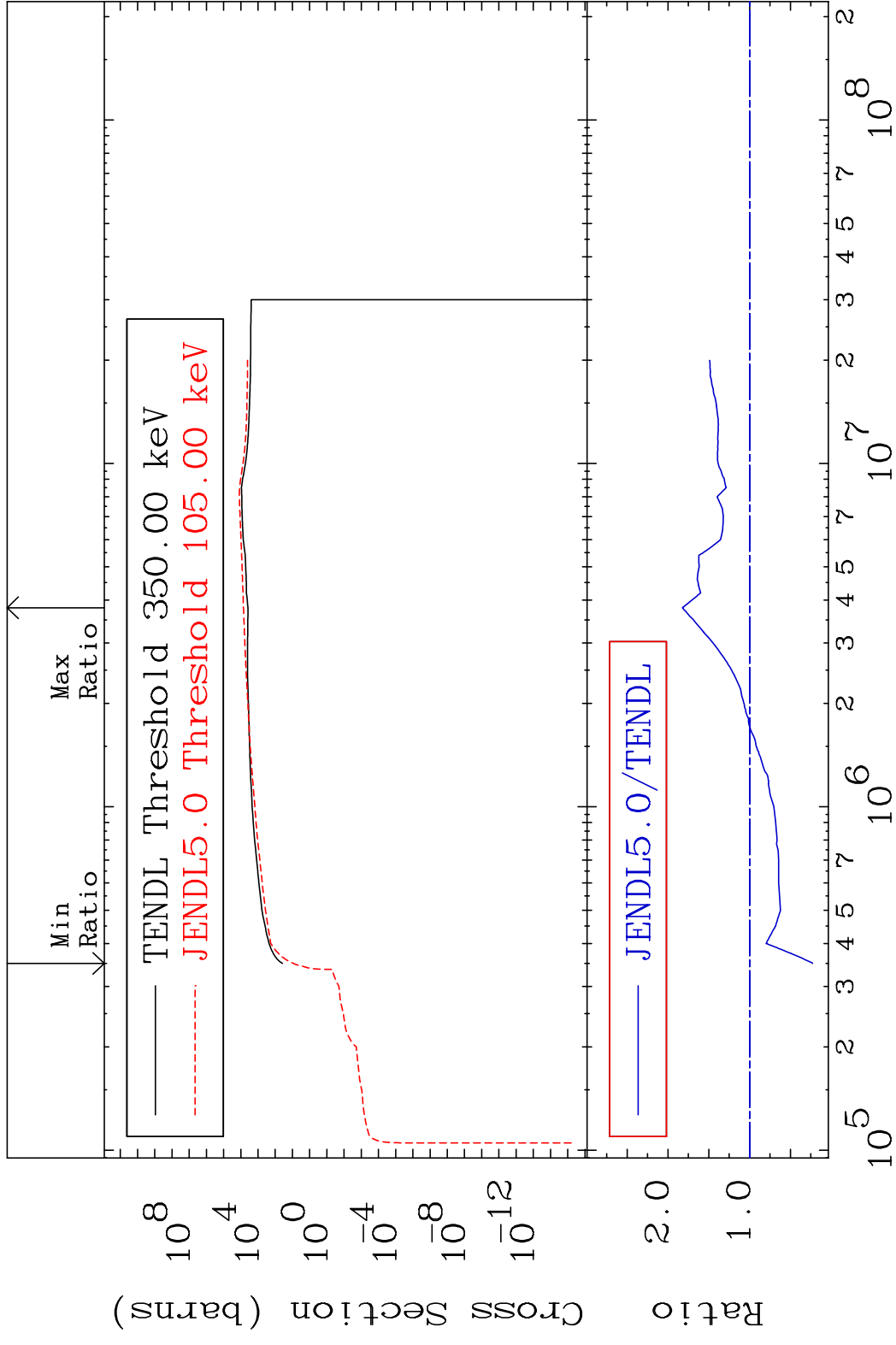
62

Incident Energy (eV)

62-Sm-150

MAT 6243

Dpa inelastic (mt51-91) 62-Sm-150
Cross Section -77.07 To 82.35 %

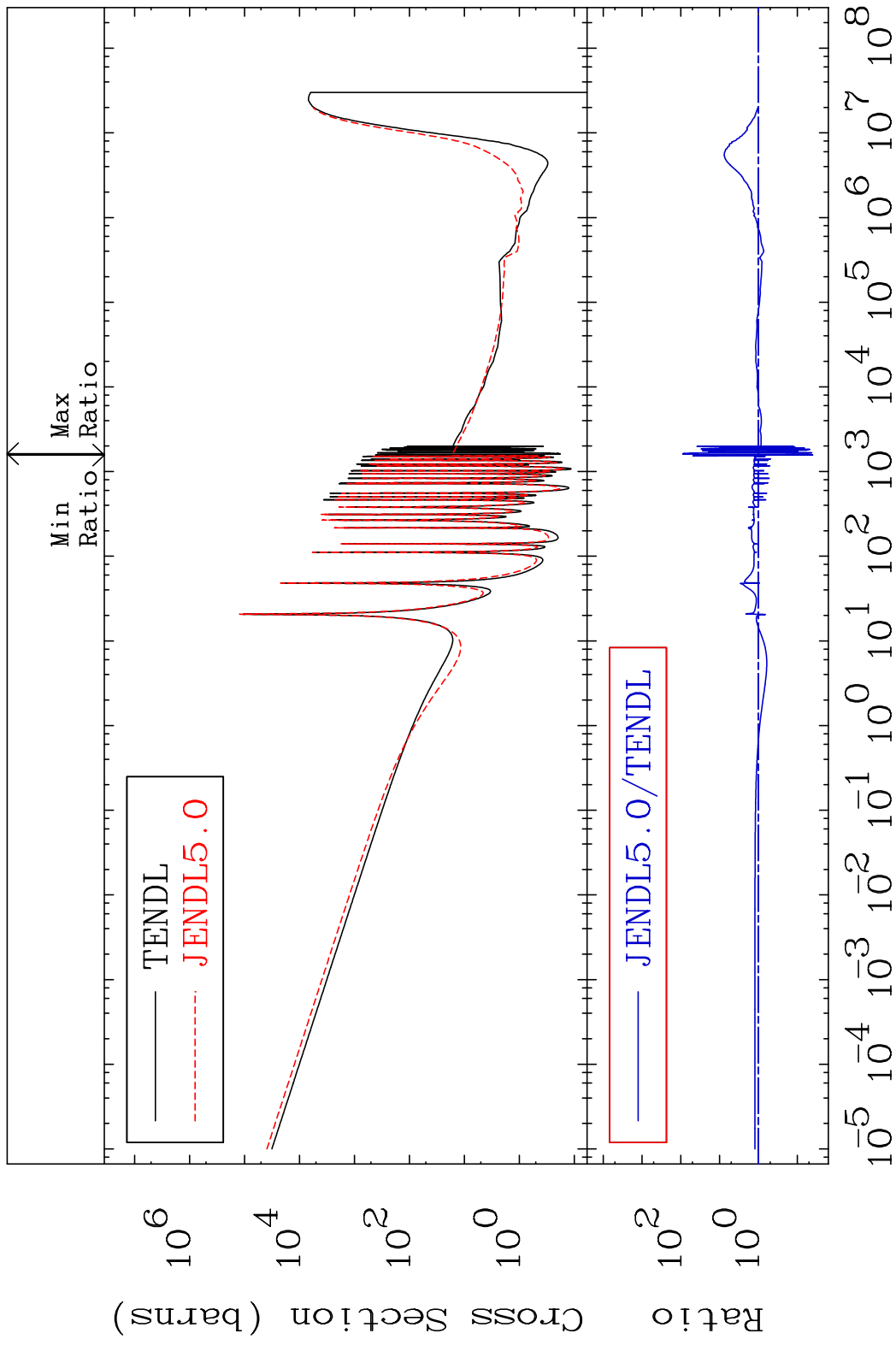


63

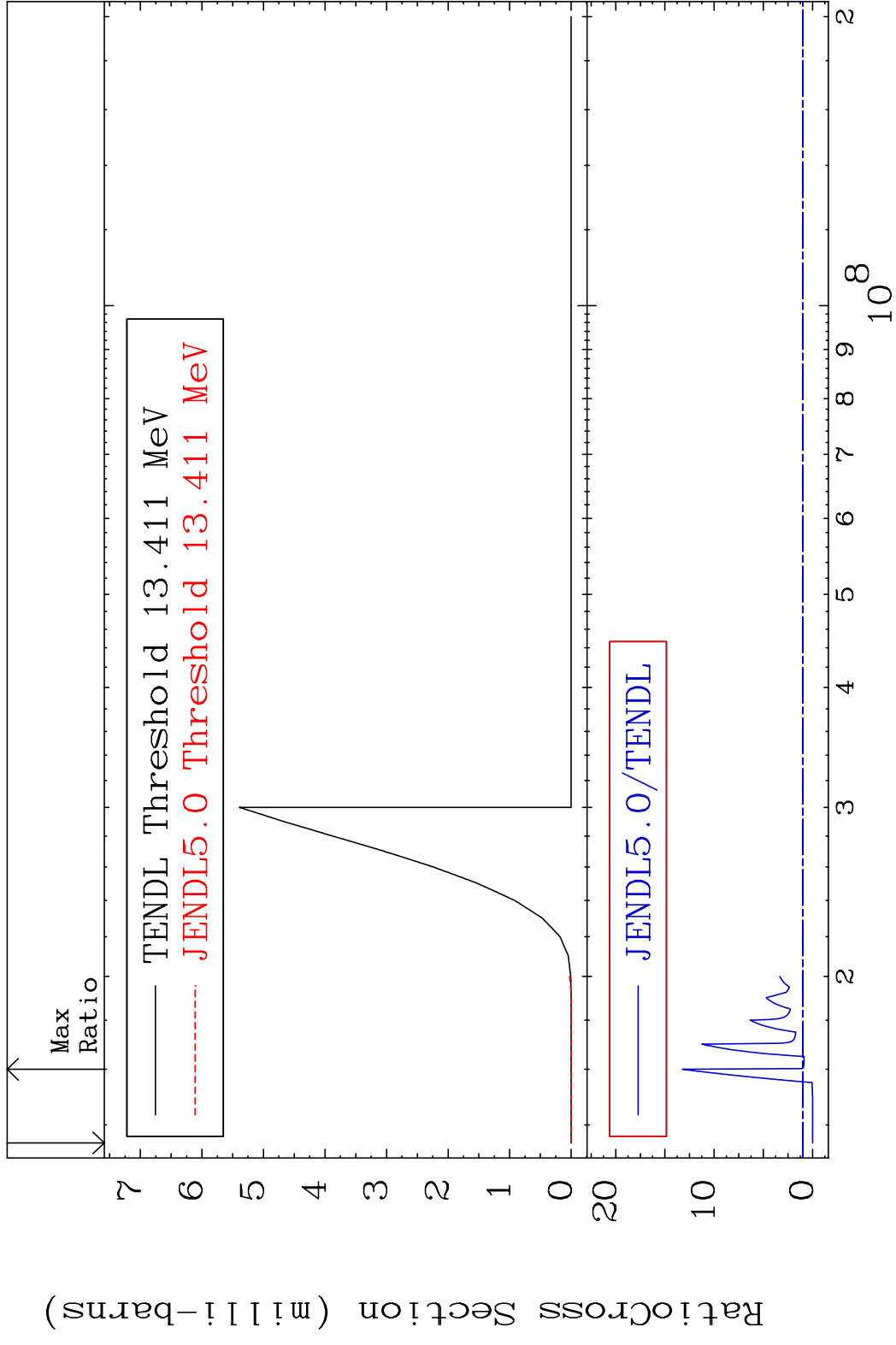
Incident Energy (eV)

62-Sm-150

MAT 6243 Dpa disappearance (mt102 -120) 62-Sm-150
 Cross Section -95.97 To 9025. %



MAT 6243 (n, n') d:61-Pm-148g 62-Sm-150
 Radionuclide Production Cross Section Ratio 1223. %



65 Incident Energy (eV) 62-Sm-150

