

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

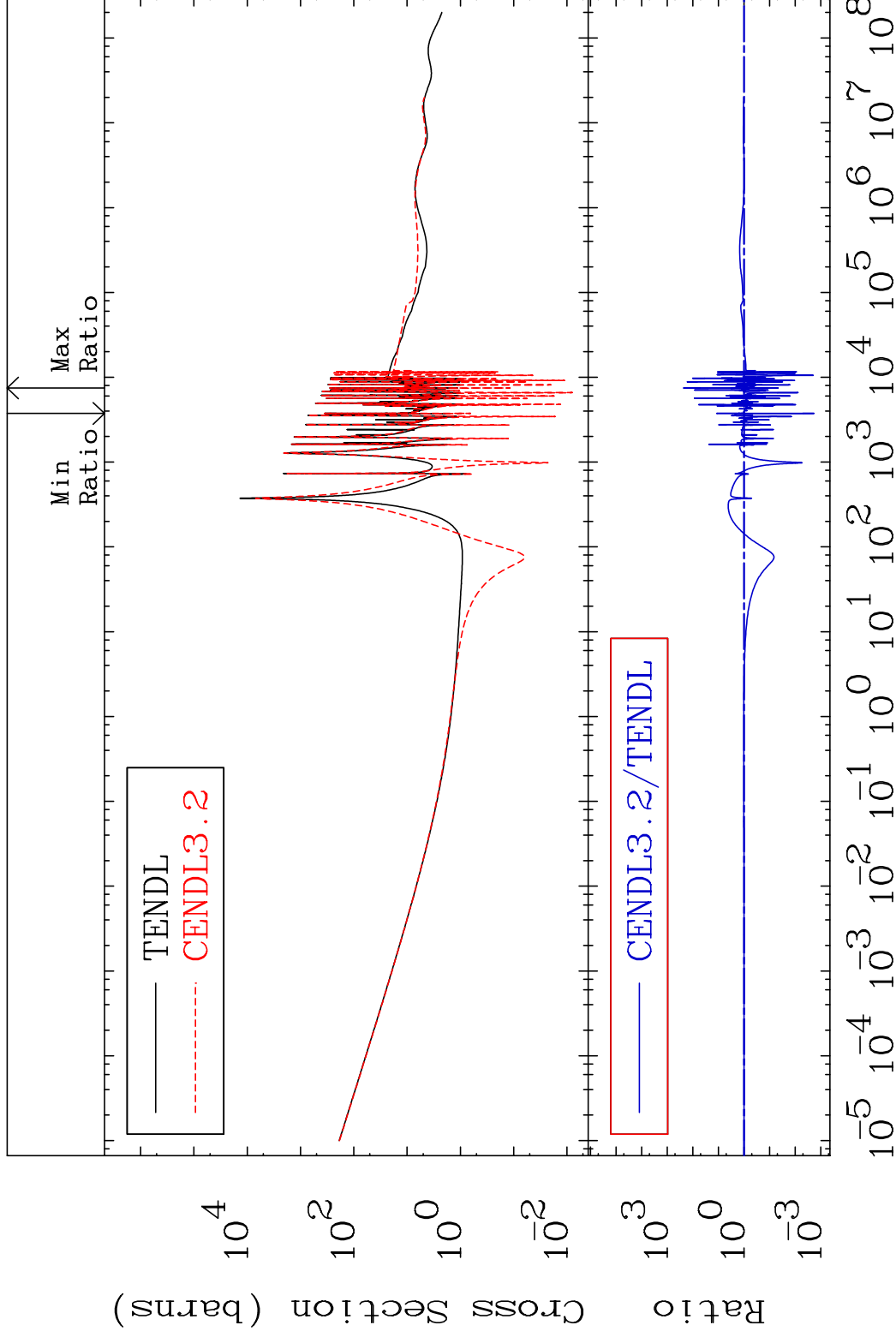
MAT 6031

Total

60-Nd-144

Cross Section

-99.82 To 9999. %



1

Incident Energy (eV)

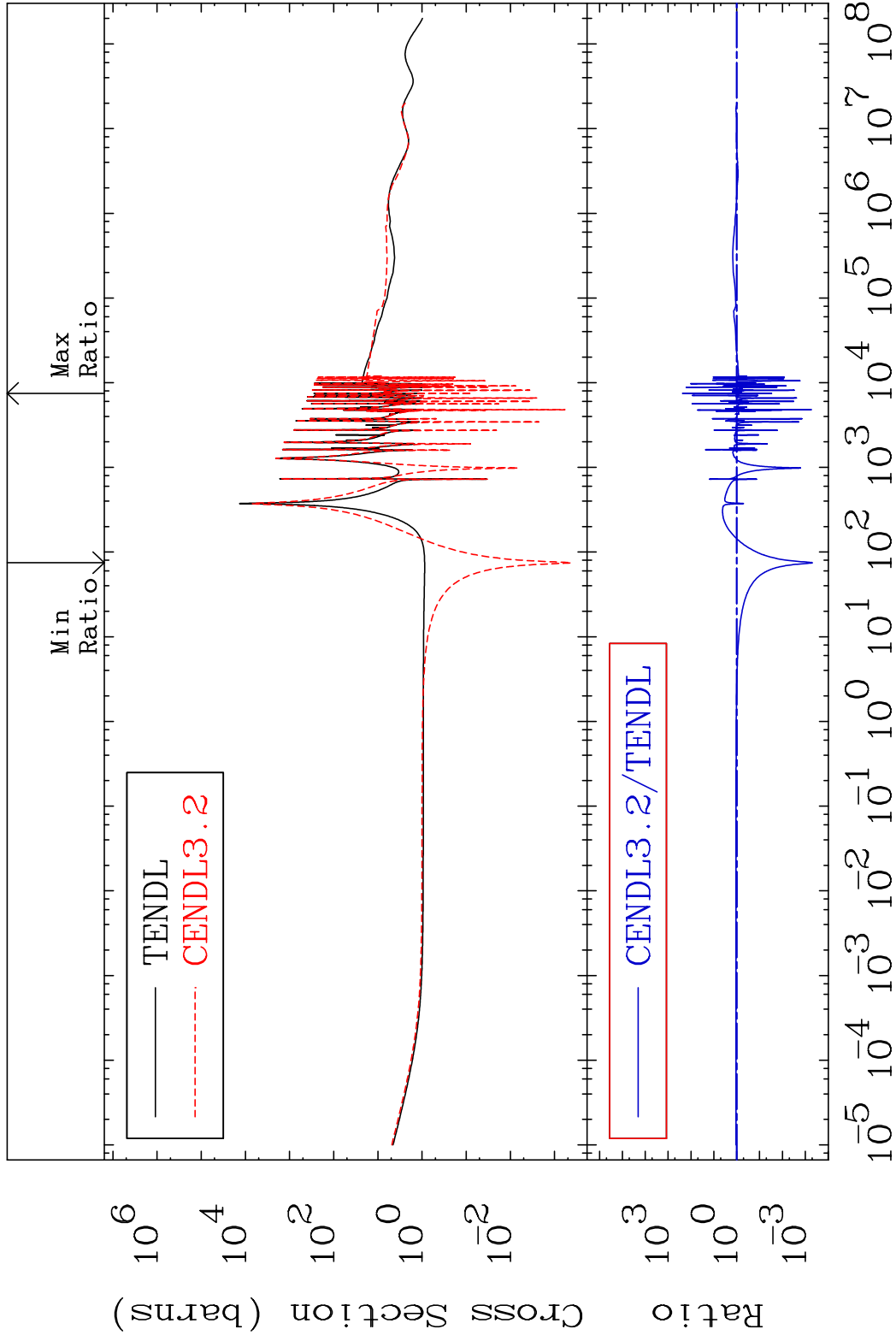
60-Nd-144

MAT 6031

Elastic

60-Nd-144

Cross Section -99.95 To 9999. %

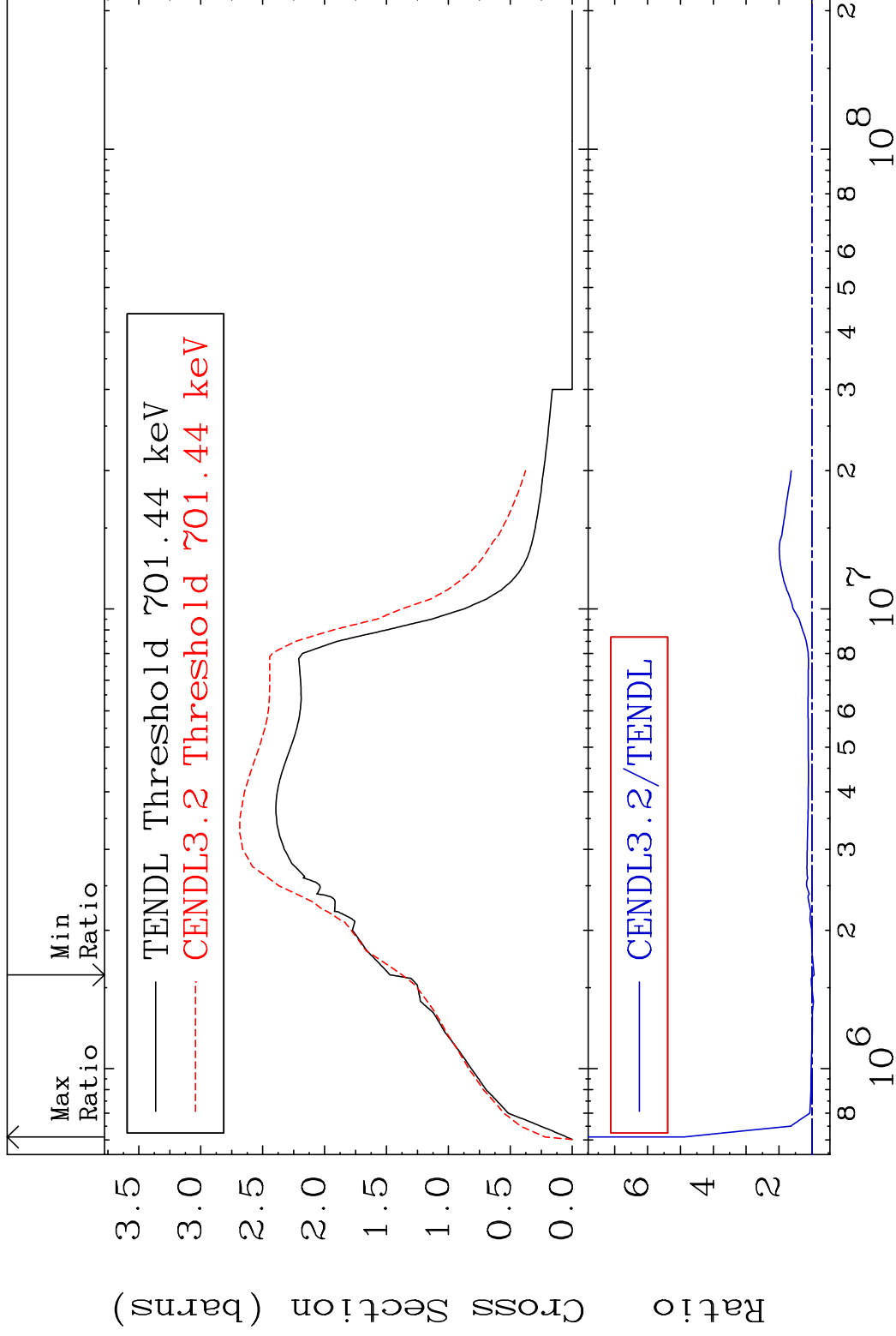


MAT 6031

Inelastic

60-Nd-144

Cross Section -6.558 To 390.1 %



3

Incident Energy (eV)

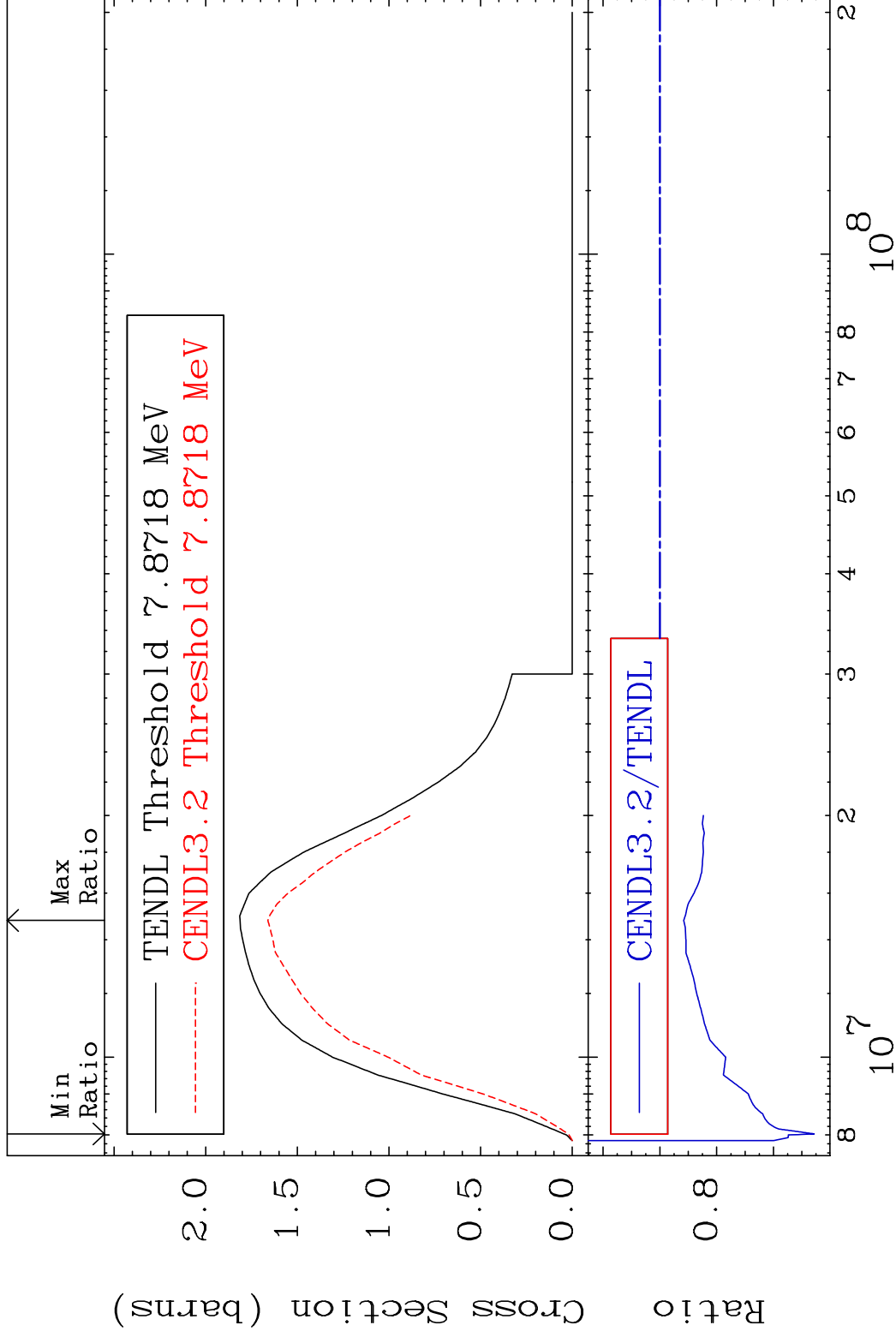
60-Nd-144

MAT 6031

(n,2n)

60-Nd-144

Cross Section -54.31 To -8.368%



4

Incident Energy (eV)

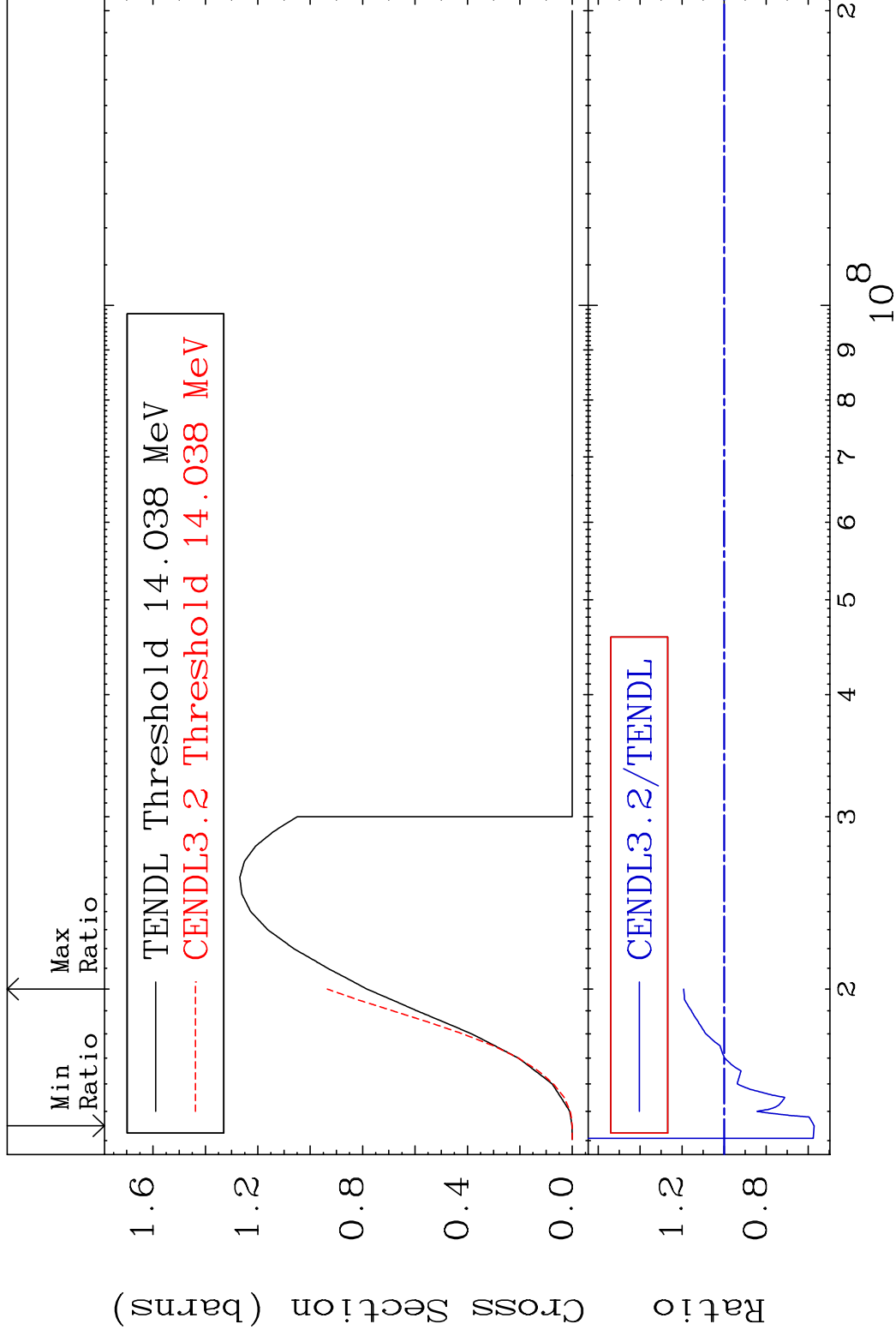
60-Nd-144

MAT 6031

(n,3n)

60-Nd-144

Cross Section -42.76 To 19.31 %



5

Incident Energy (eV)

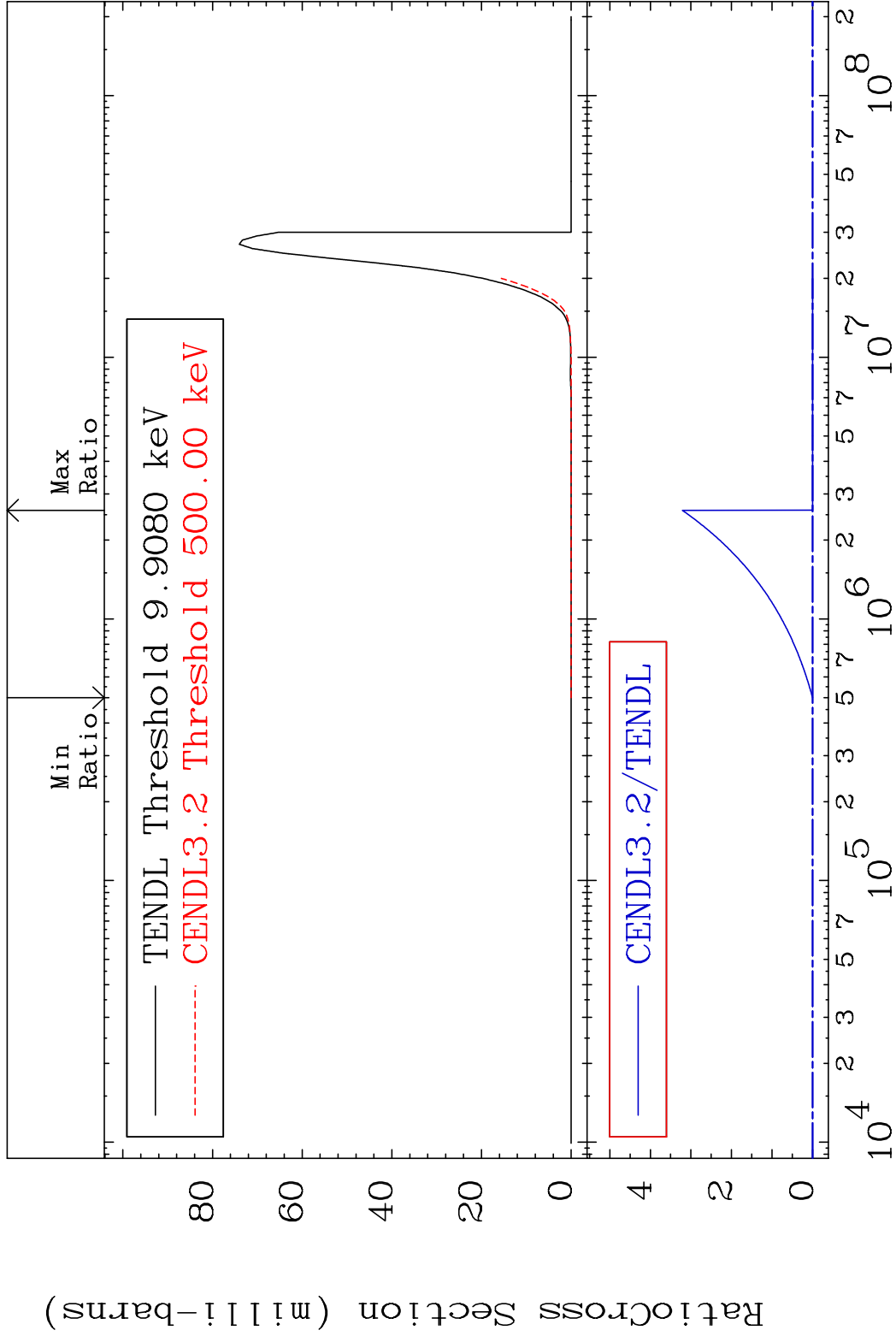
60-Nd-144

MAT 6031

(n, n') α

60-Nd-144

Cross Section -100.0 To 9999. %



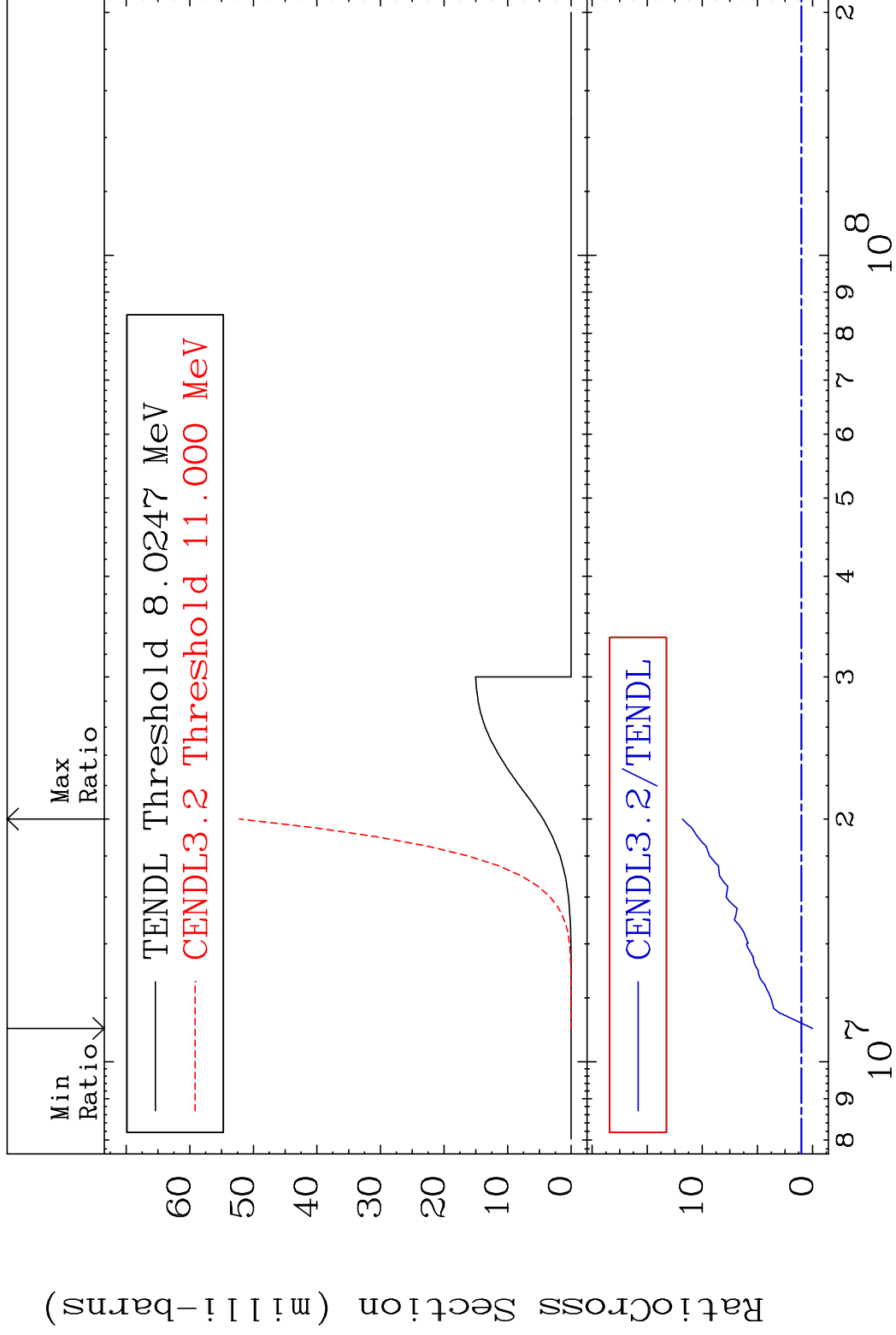
60-Nd-144 Incident Energy (eV)

MAT 6031

(n, n') p

60-Nd-144

Cross Section -100.0 To 1081. %

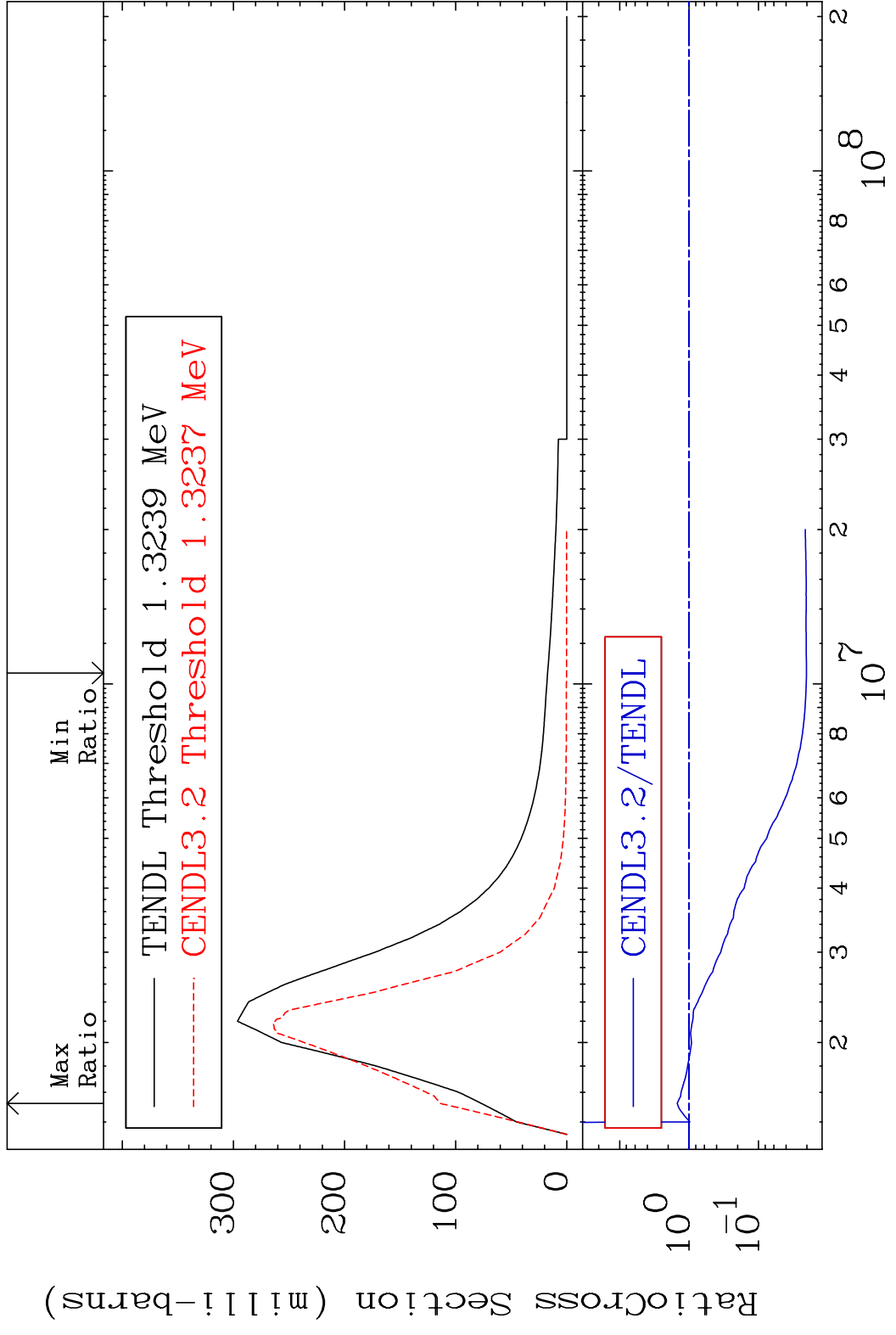


7

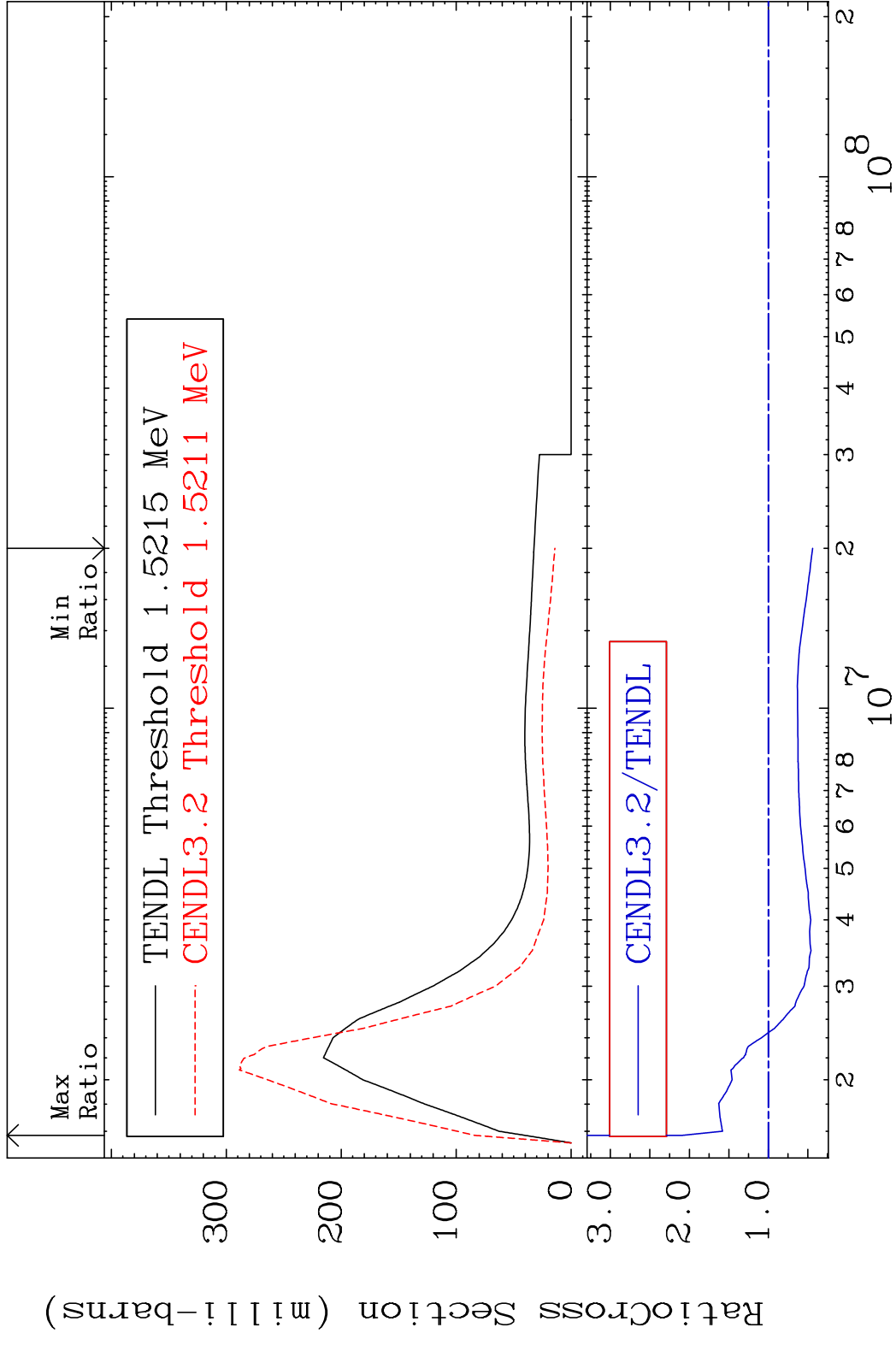
Incident Energy (eV)

60-Nd-144

MAT 6031 MT= 52 (n, n') Level 60-Nd-144
 Cross Section -97.96 To 48.26 %

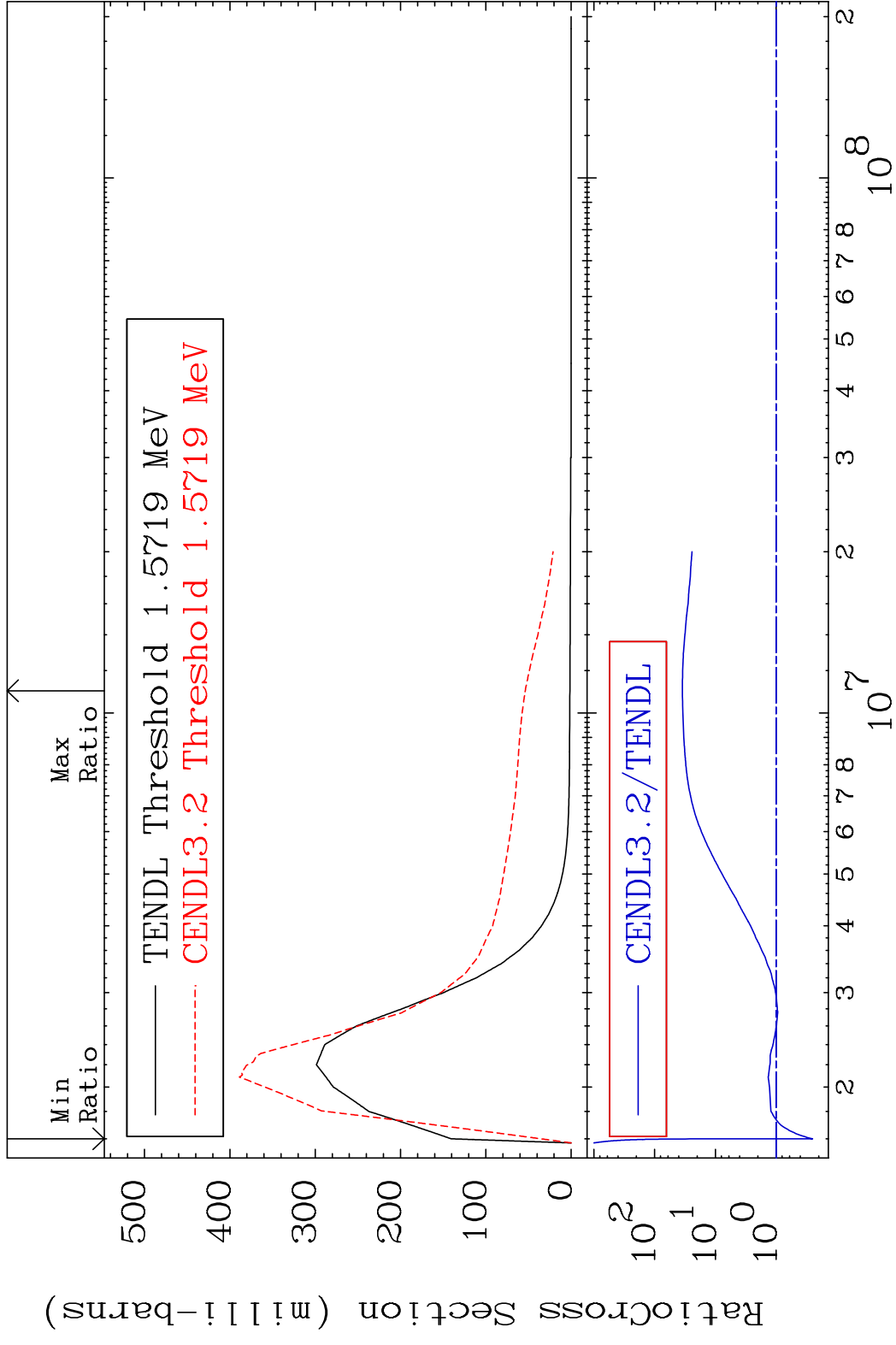


MAT 6031 MT= 53 (n, n') Level 60-Nd-144
 Cross Section -56.11 To 108.9 %

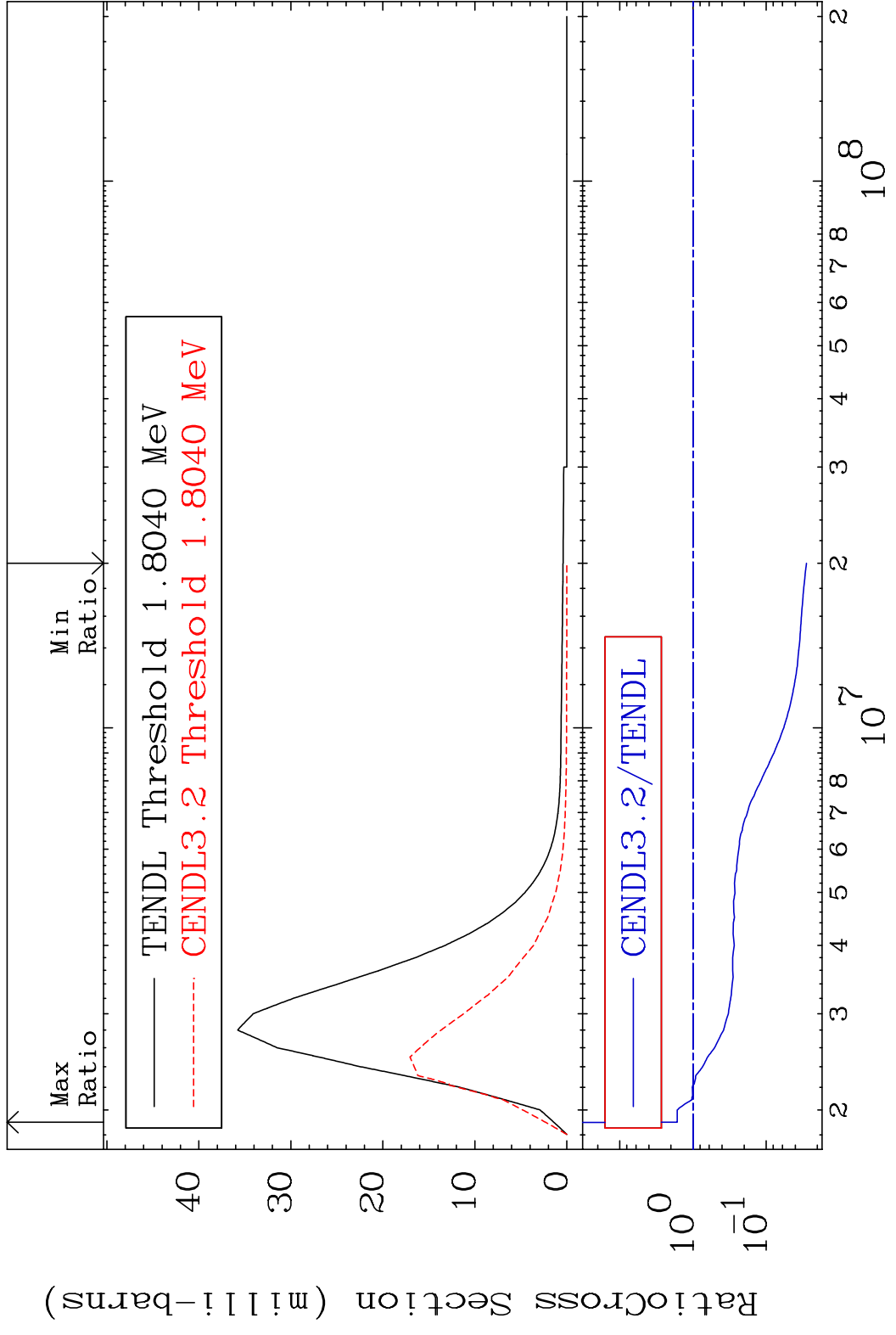


10 108.9 % 60-Nd-144

MAT 6031 MT= 54 (n, n') Level 60-Nd-144
 Cross Section -74.78 To 3399. %

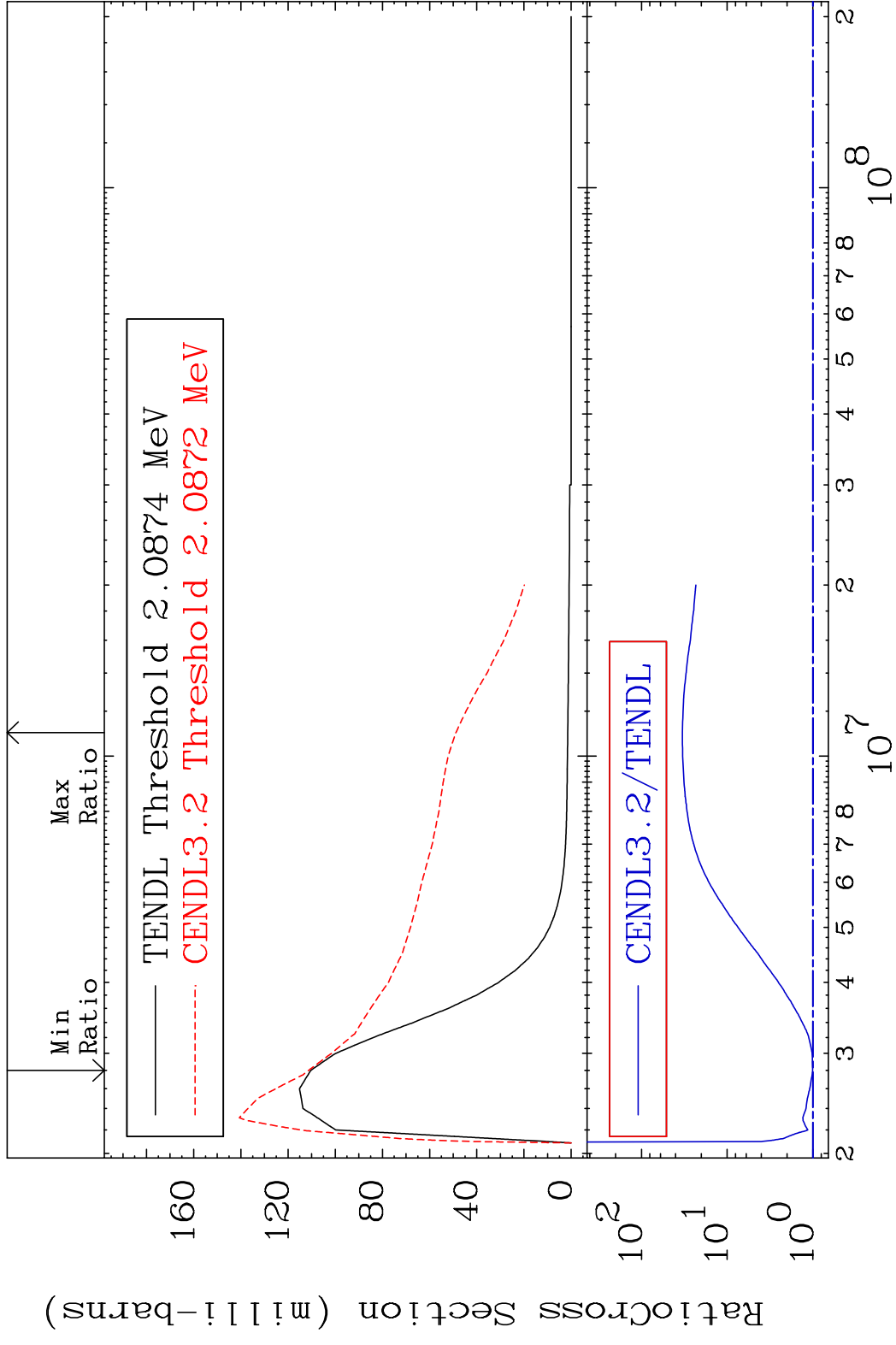


MAT 6031 MT= 55 (n, n') Level 60-Nd-144
 Cross Section -97.18 To 64.21 %

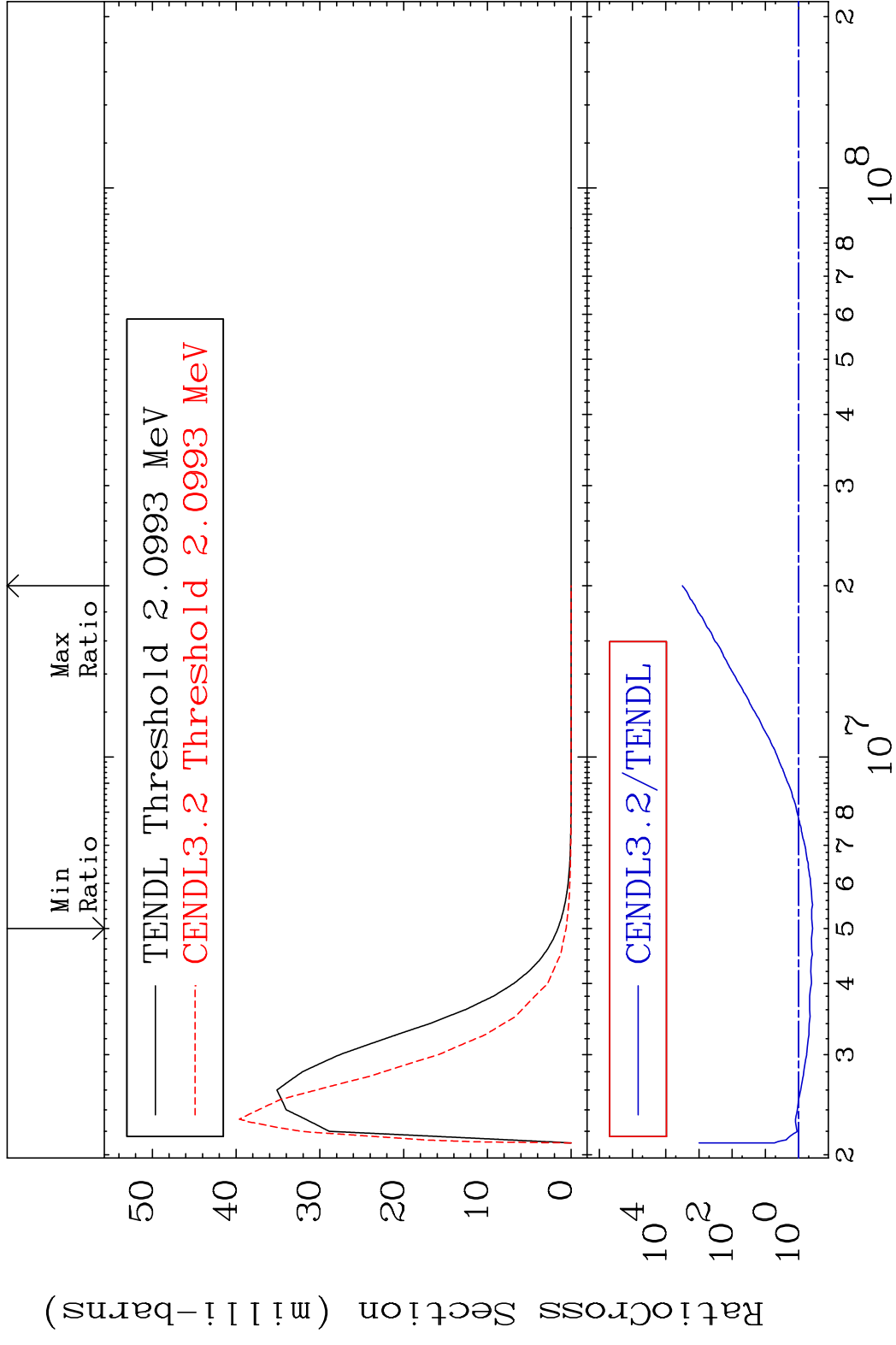


12 Incident Energy (eV) 60-Nd-144

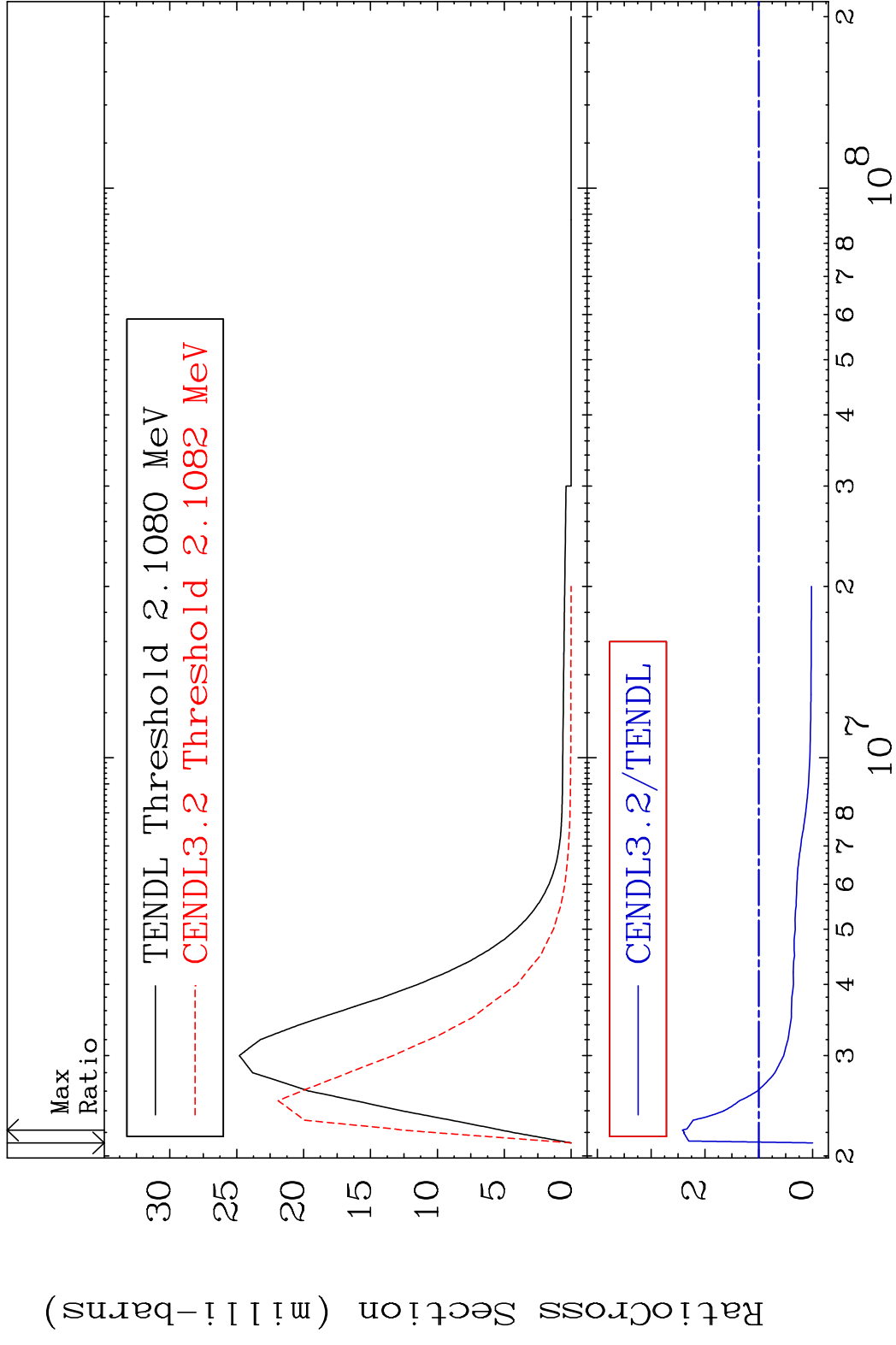
MAT 6031 MT= 56 (n,n') Level 60-Nd-144
 Cross Section 0.836 To 3234. %



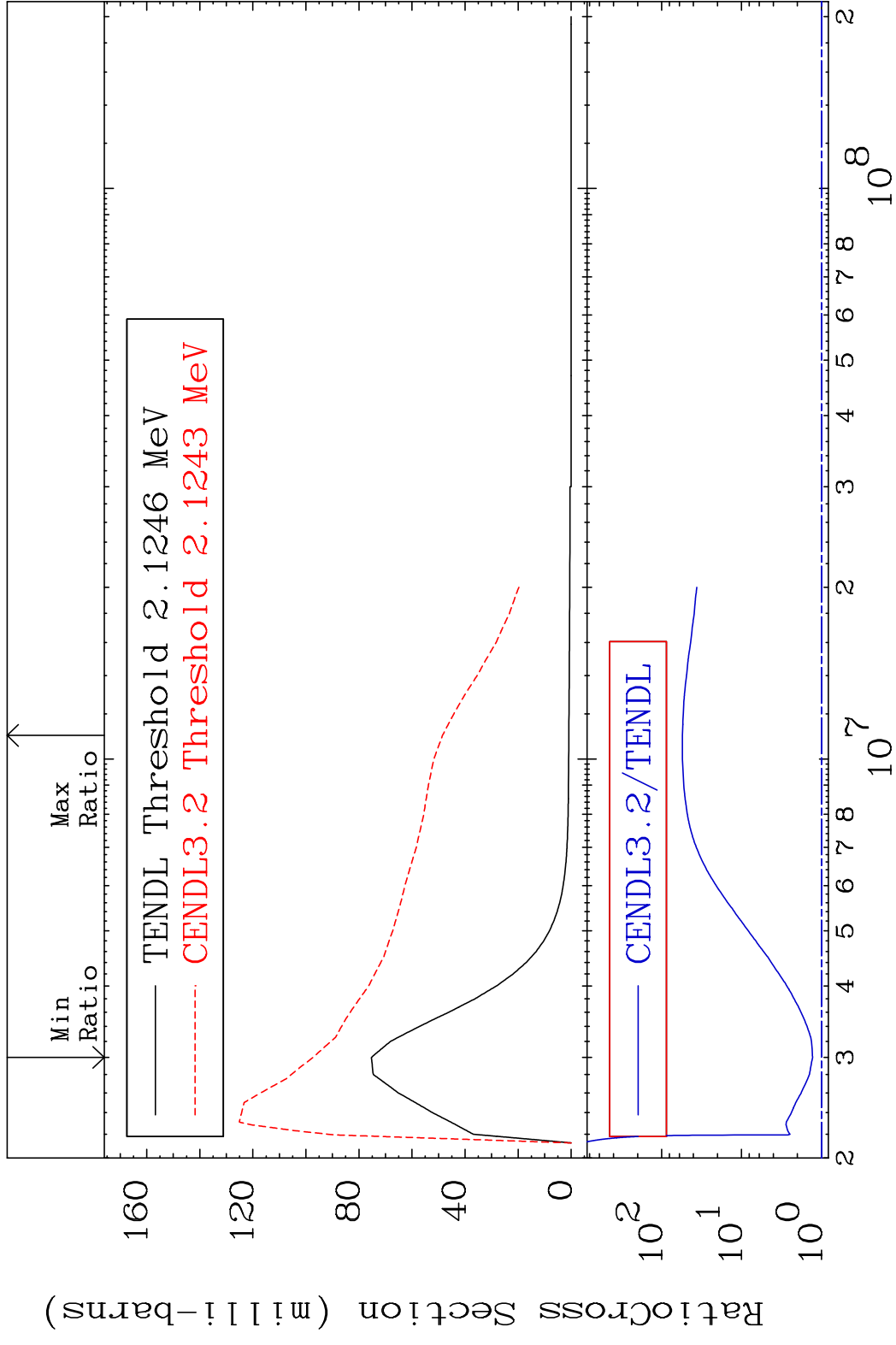
MAT 6031 MT= 57 (n, n') Level 60-Nd-144
 Cross Section -61.87 To 9999. %



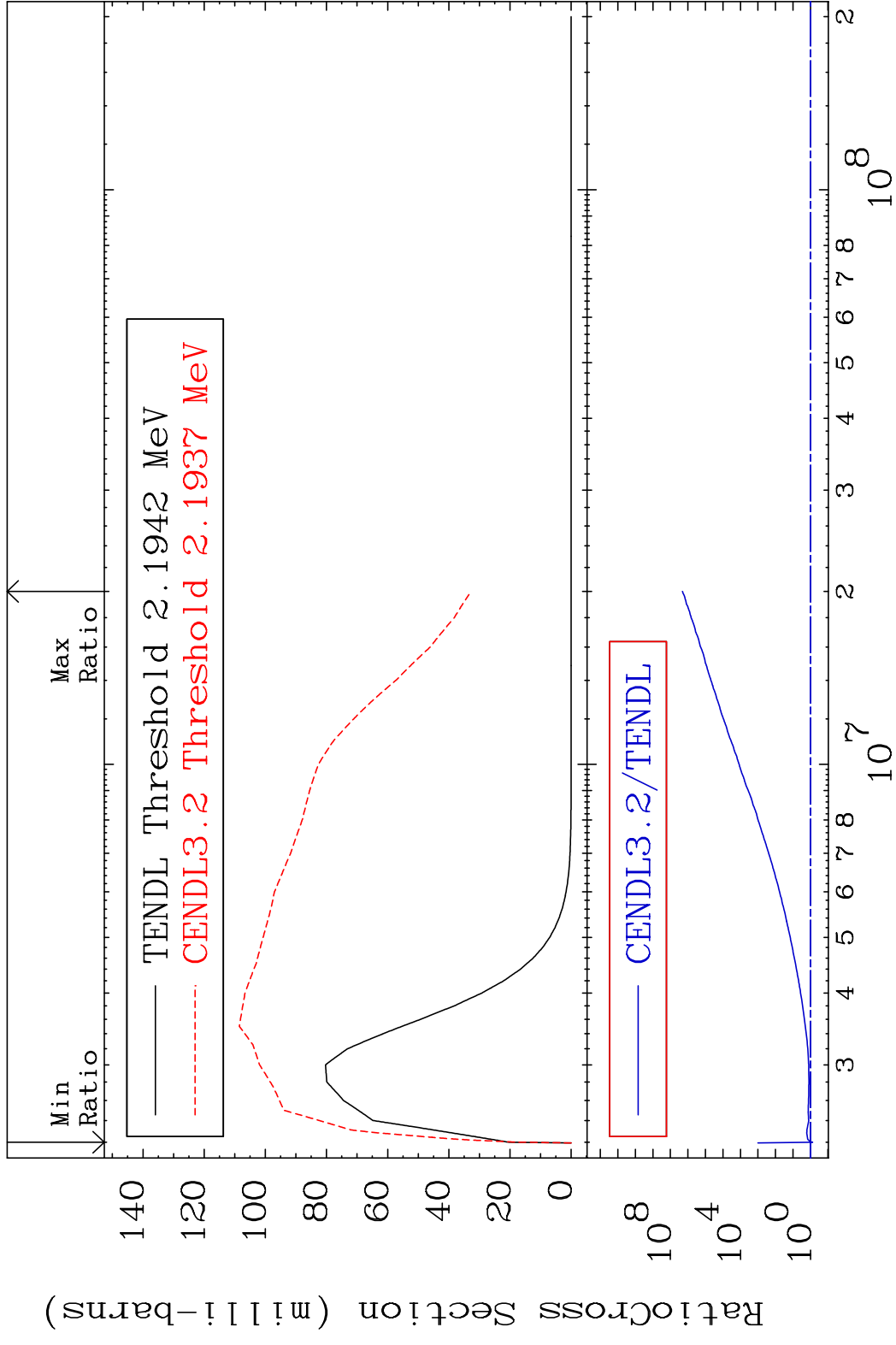
MAT 6031 MT= 58 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 141.9 %



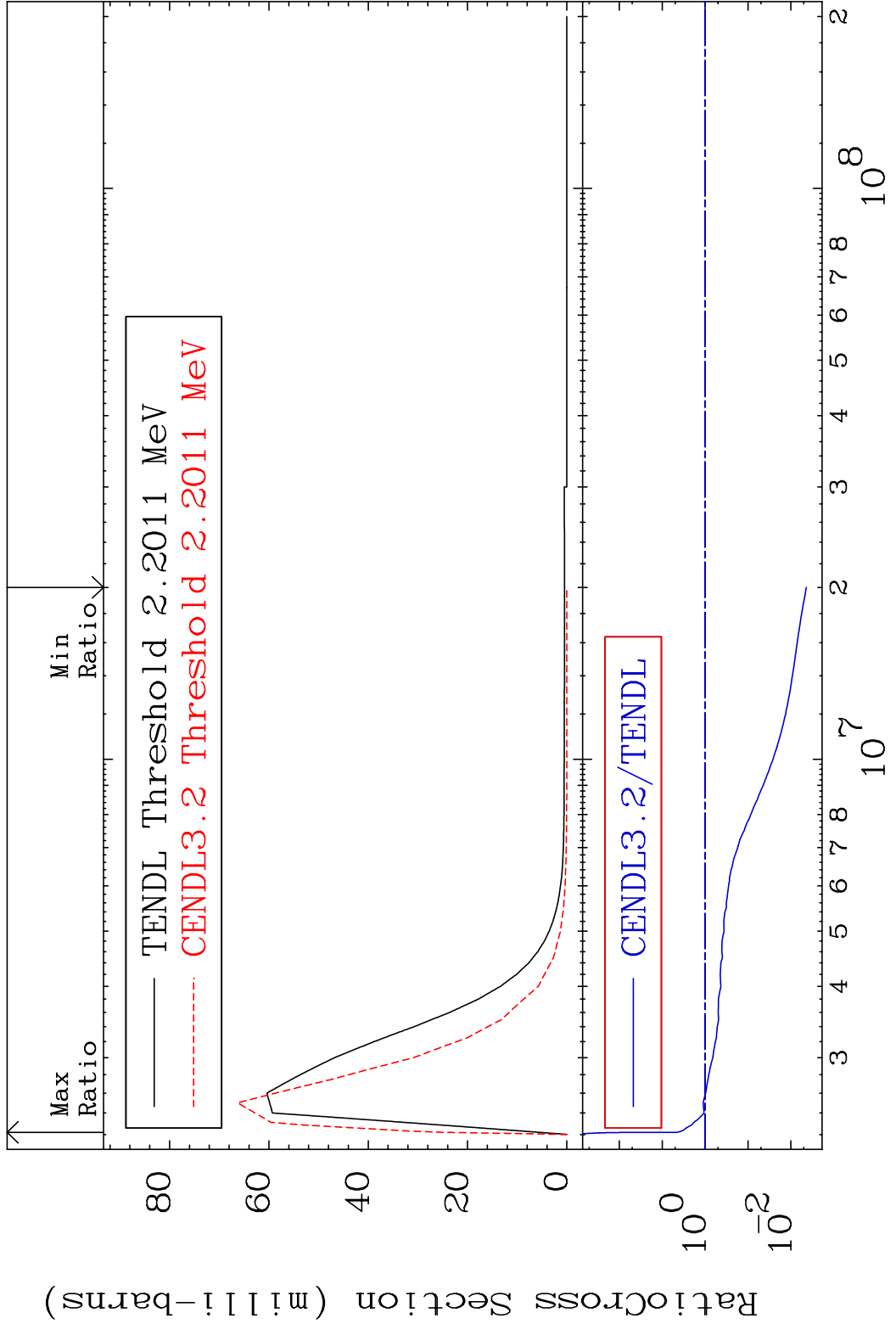
MAT 6031 MT= 59 (n,n') Level 60-Nd-144
 Cross Section 29.20 To 5405. %



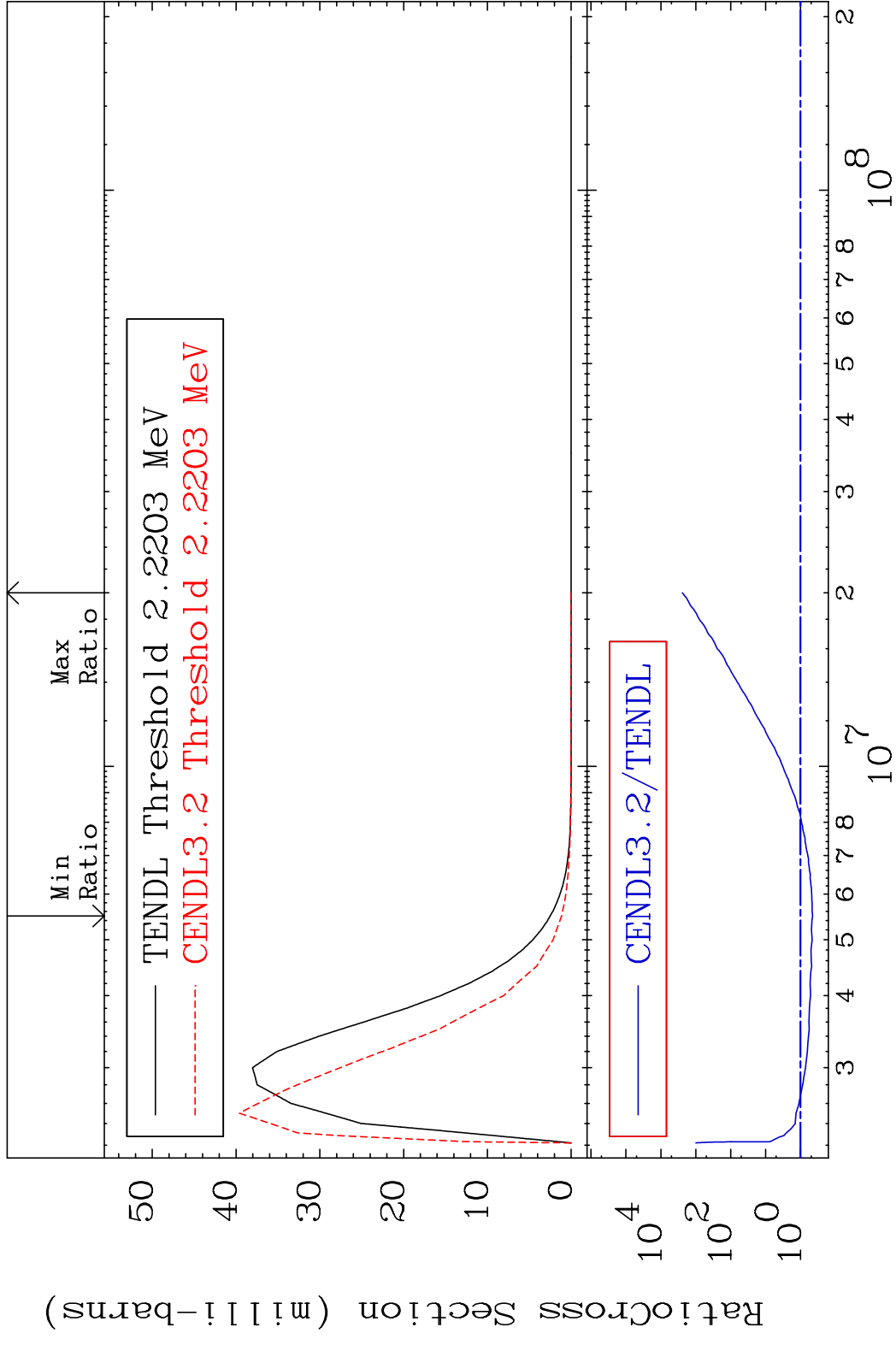
MAT 6031 MT= 60 (n, n') Level 60-Nd-144
 Cross Section -24.11 To 9999. %



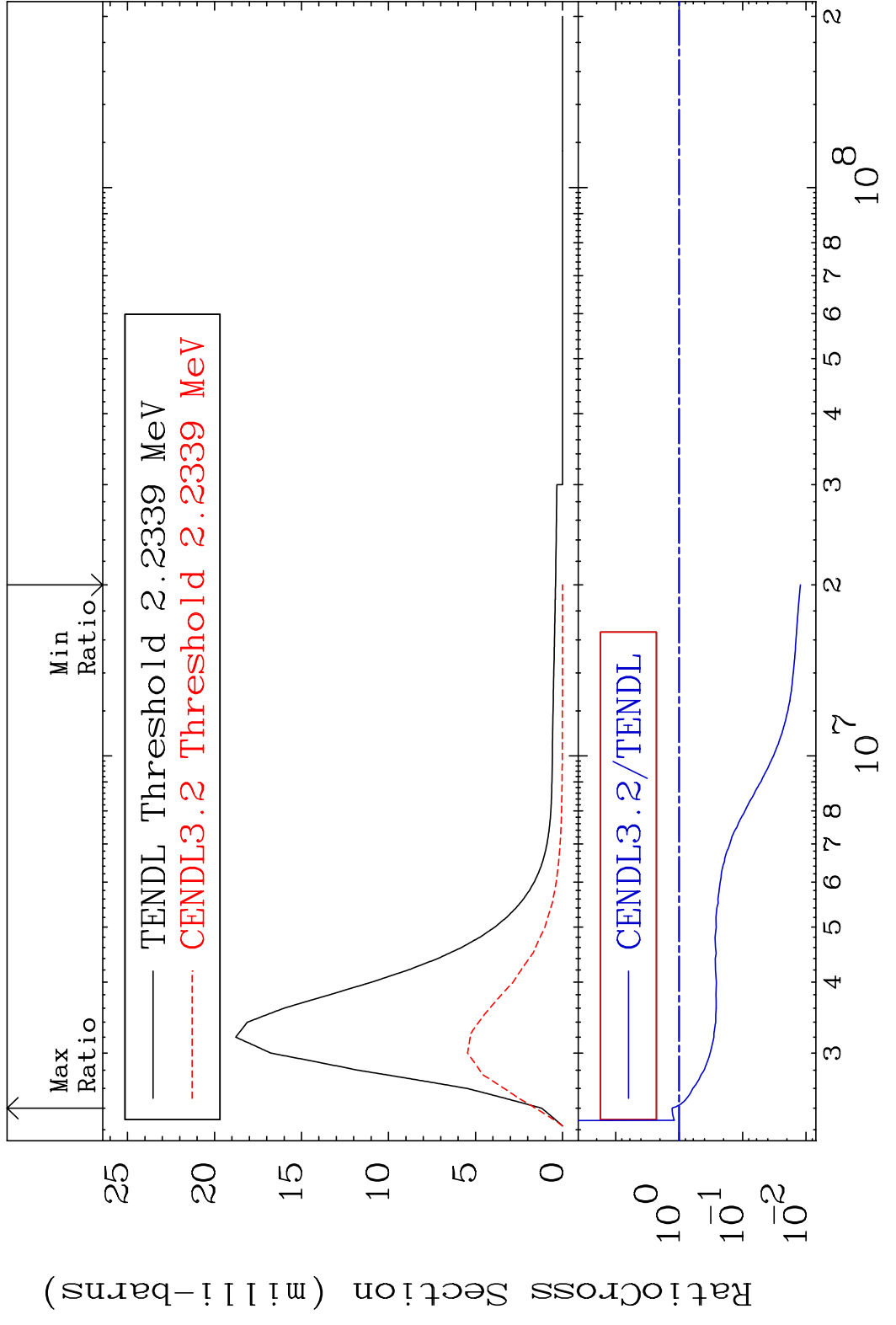
MAT 6031 MT= 61 (n, n') Level 60-Nd-144
 Cross Section -99.57 To 346.9 %



MAT 6031 MT= 62 (n, n') Level 60-Nd-144
 Cross Section -54.49 To 9999. %

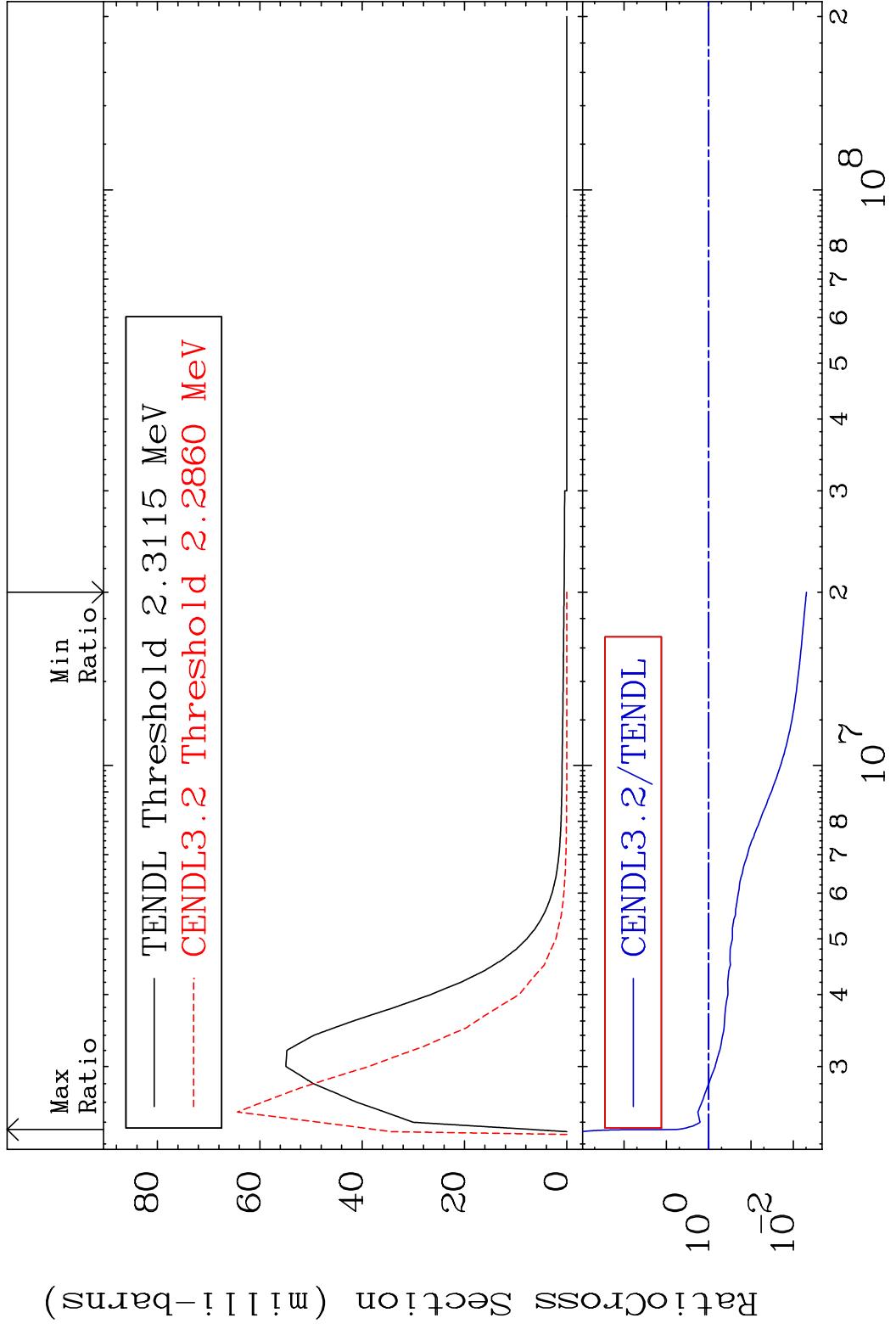


MAT 6031 MT= 63 (n, n') Level 60-Nd-144
 Cross Section -98.77 To 29.30 %

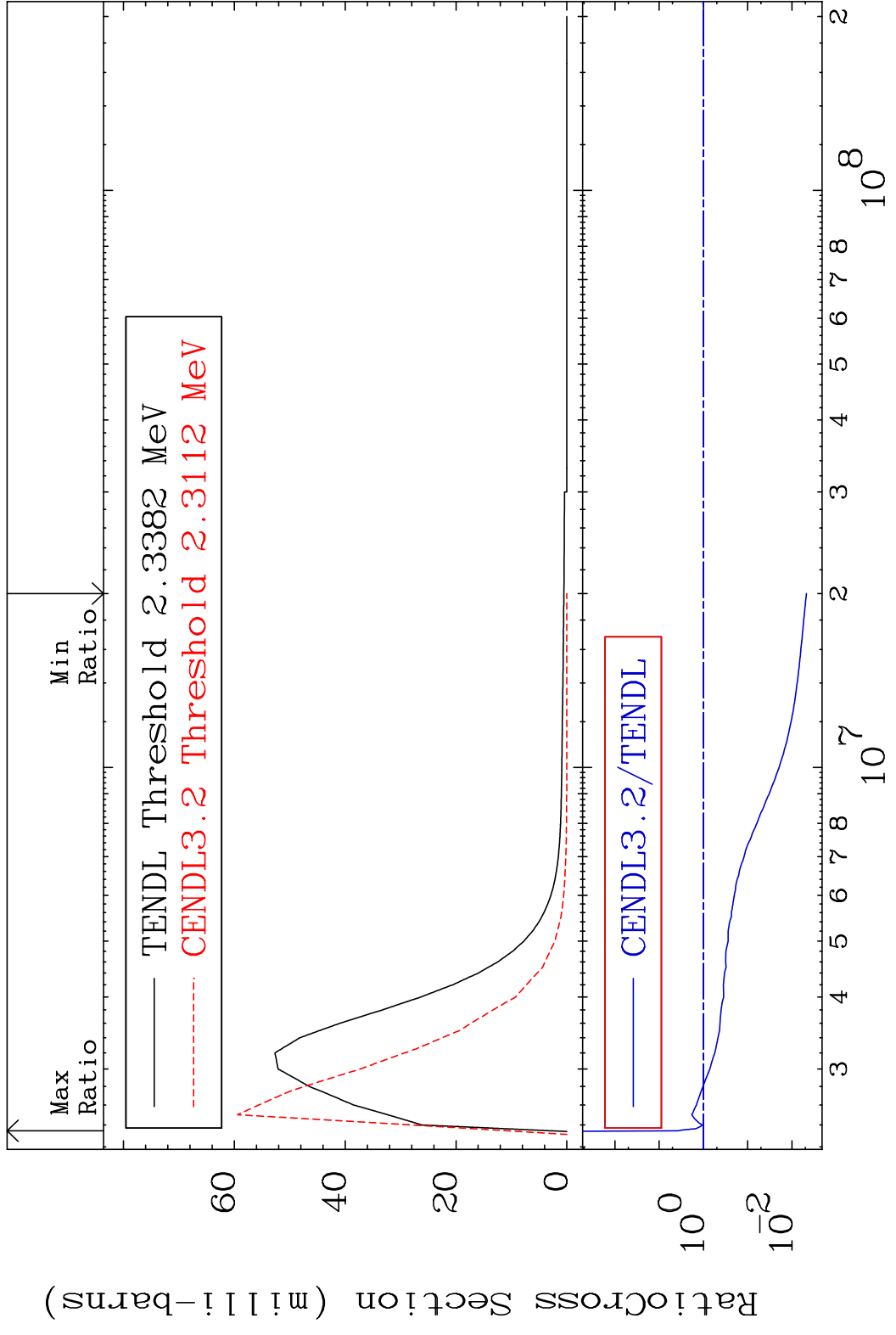


20 60-Nd-144

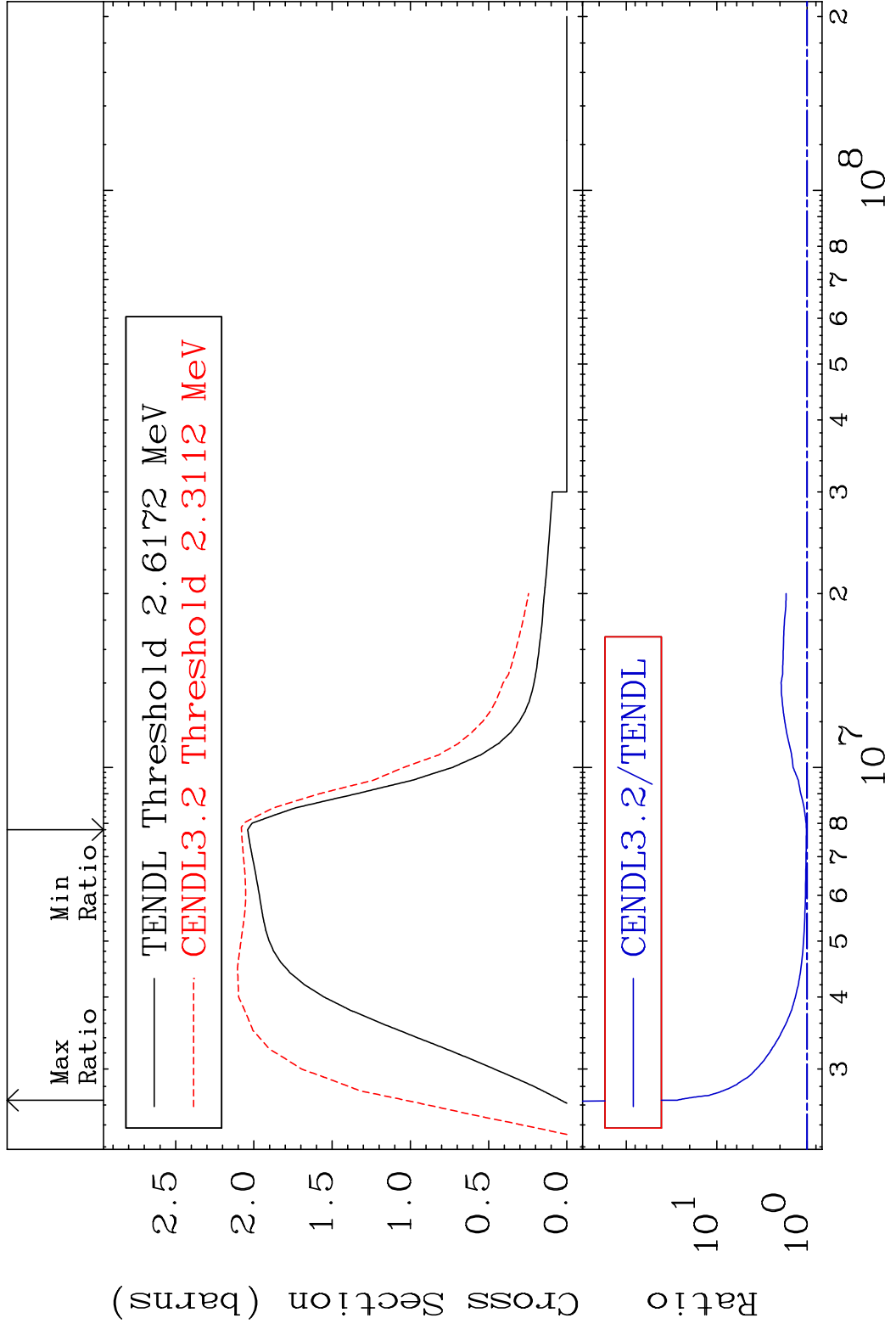
MAT 6031 MT= 64 (n, n') Level 60-Nd-144
 Cross Section -99.51 To 457.2 %



MAT 6031 MT= 65 (n, n') Level 60-Nd-144
 Cross Section -99.53 To 292.0 %

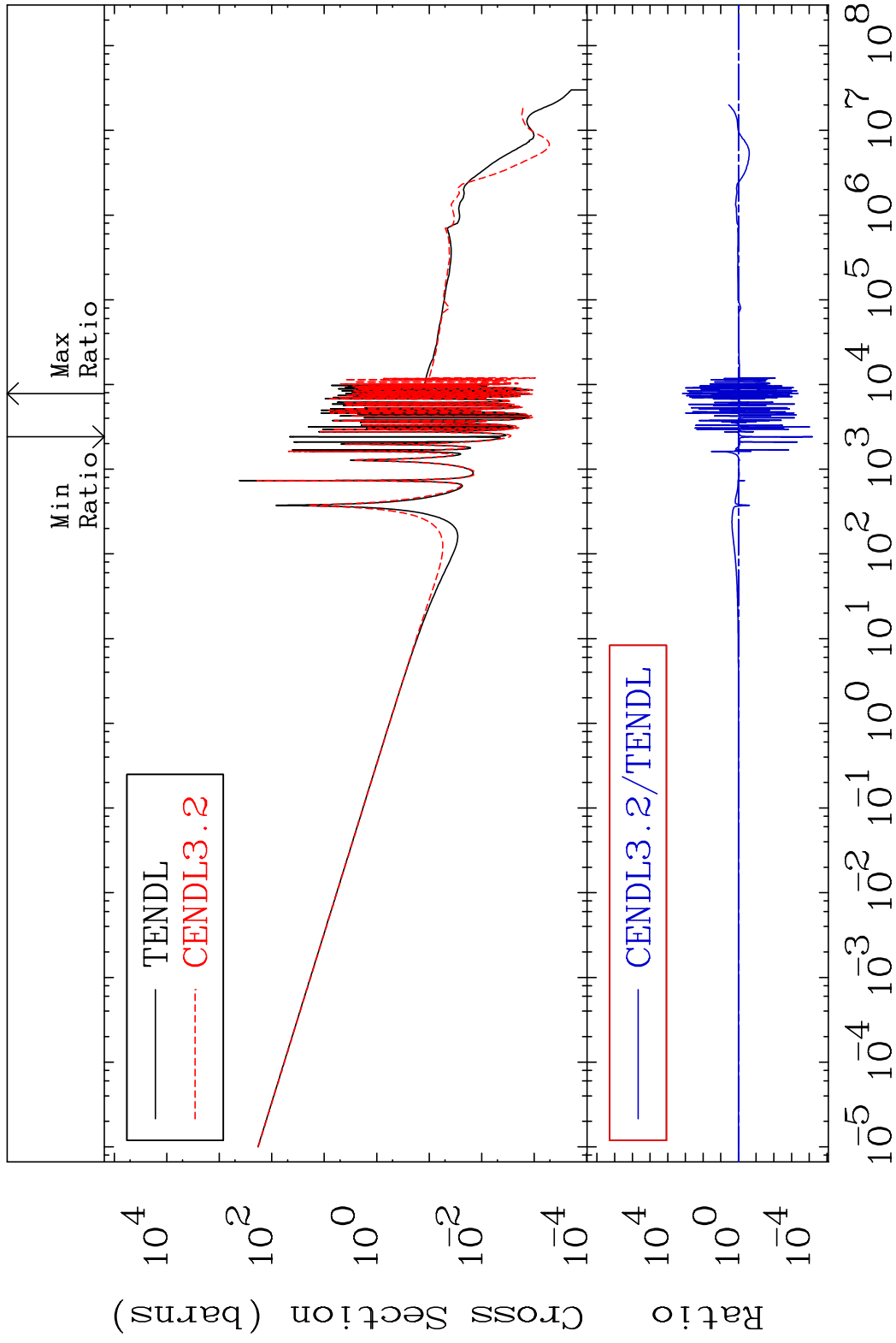


MAT 6031 (n,n') Continuum 60-Nd-144
 Cross Section 1.910 To 2642. %



MAT 6031

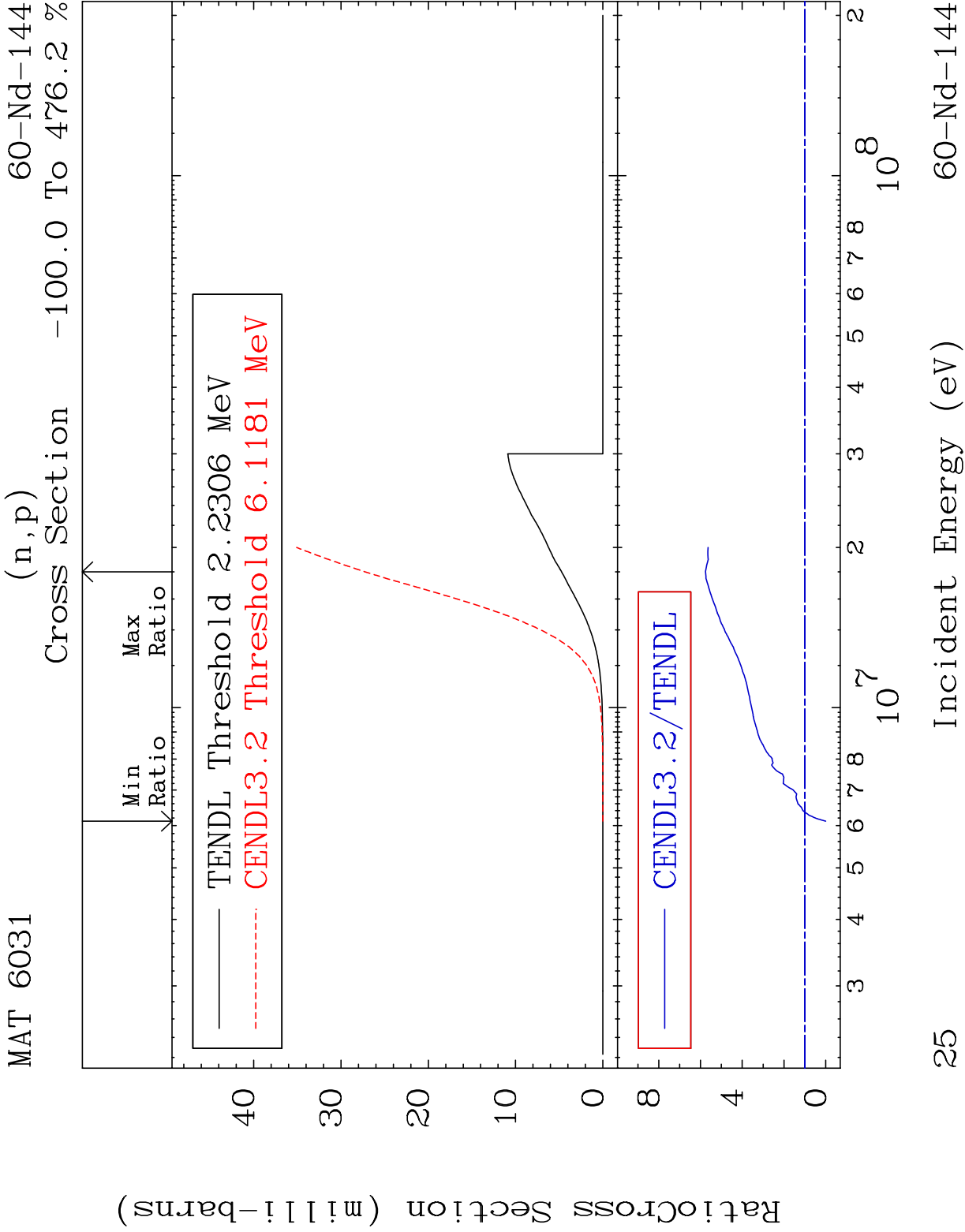
(n, γ)
Cross Section -99.99 To 9999. %
60-Nd-144



24

Incident Energy (eV)

60-Nd-144

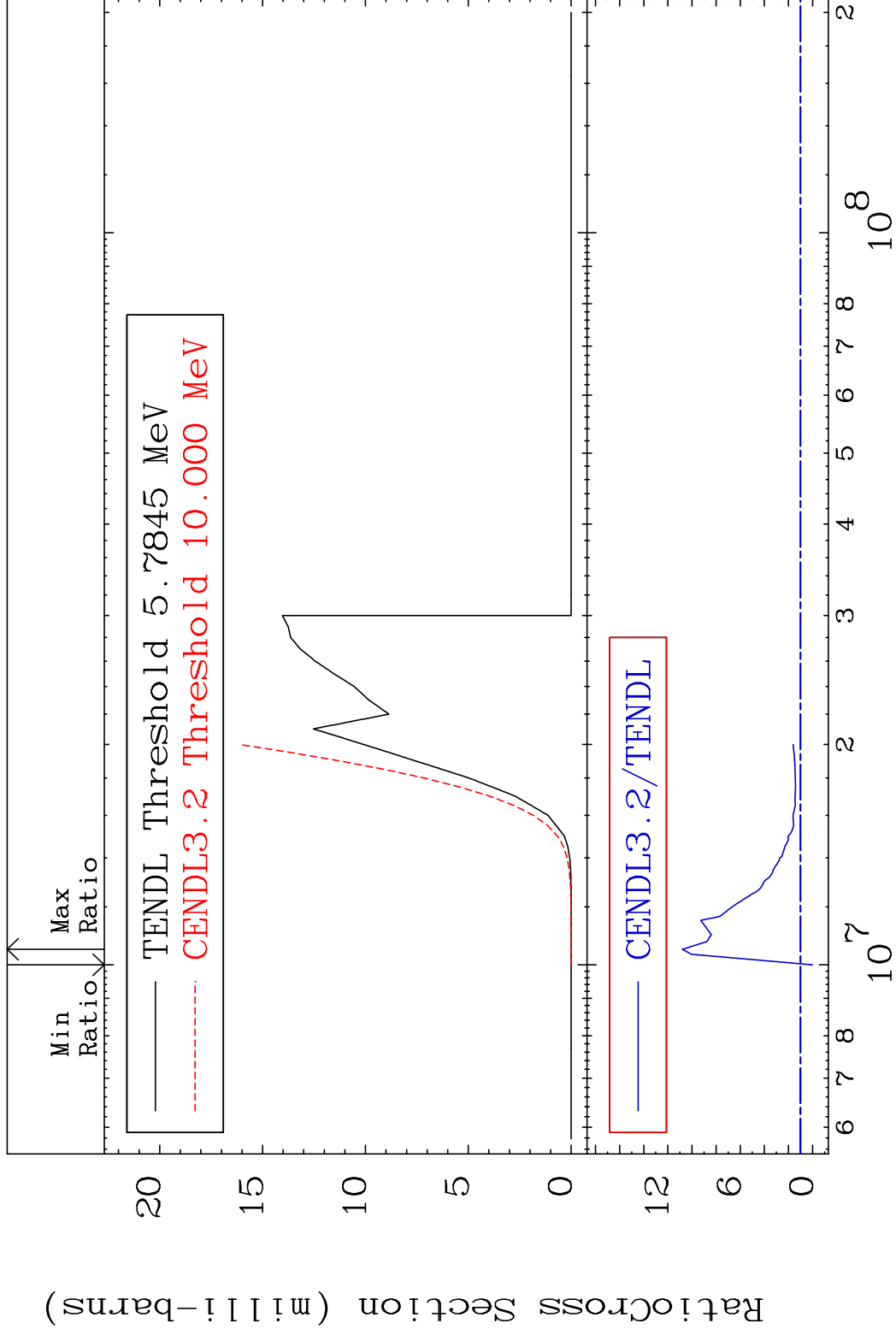


MAT 6031

(n,d)

60-Nd-144

Cross Section -100.0 To 979.8 %



26

Incident Energy (eV)

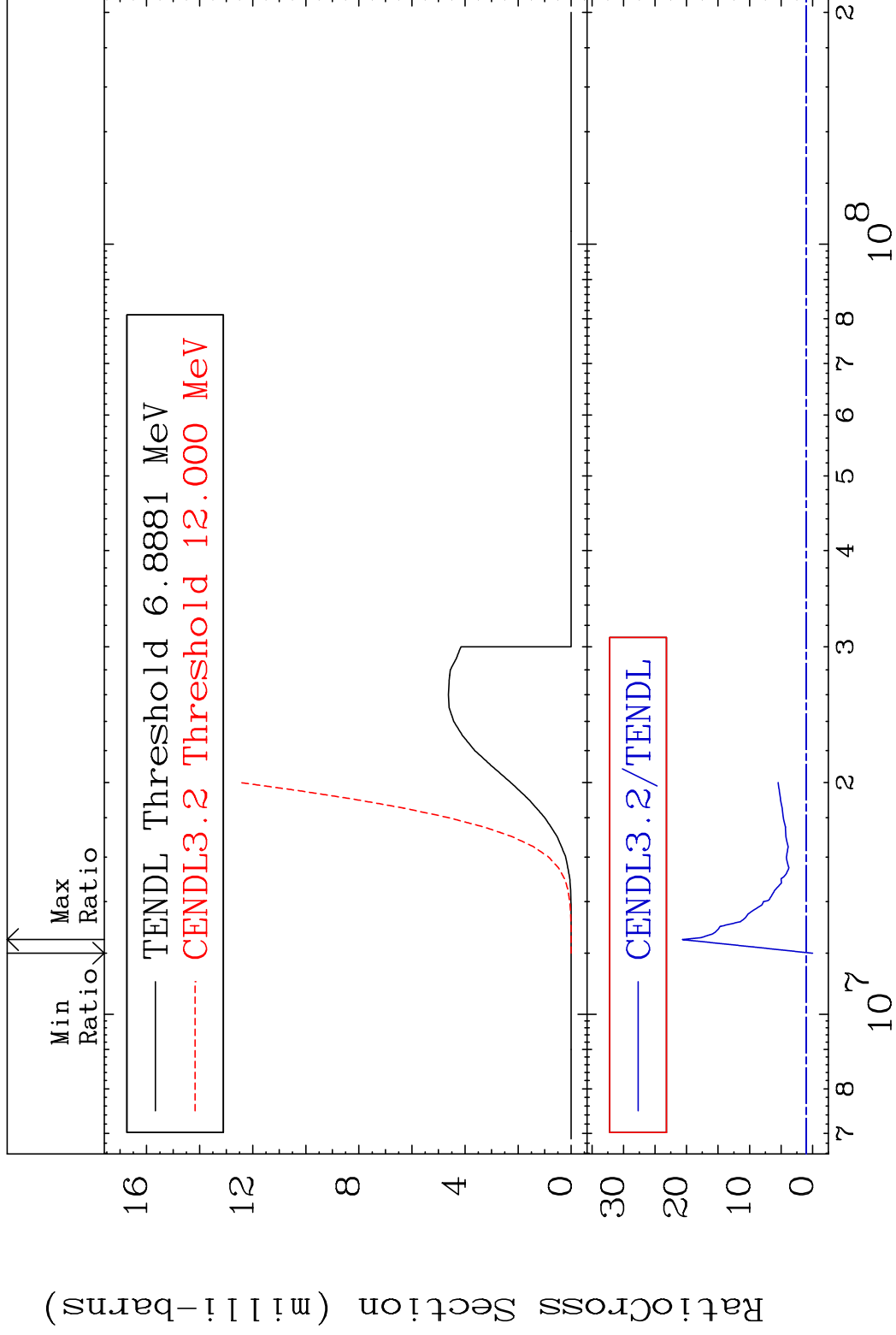
60-Nd-144

MAT 6031

(n, t)

60-Nd-144

Cross Section -100.0 To 1967. %



27

Incident Energy (eV)

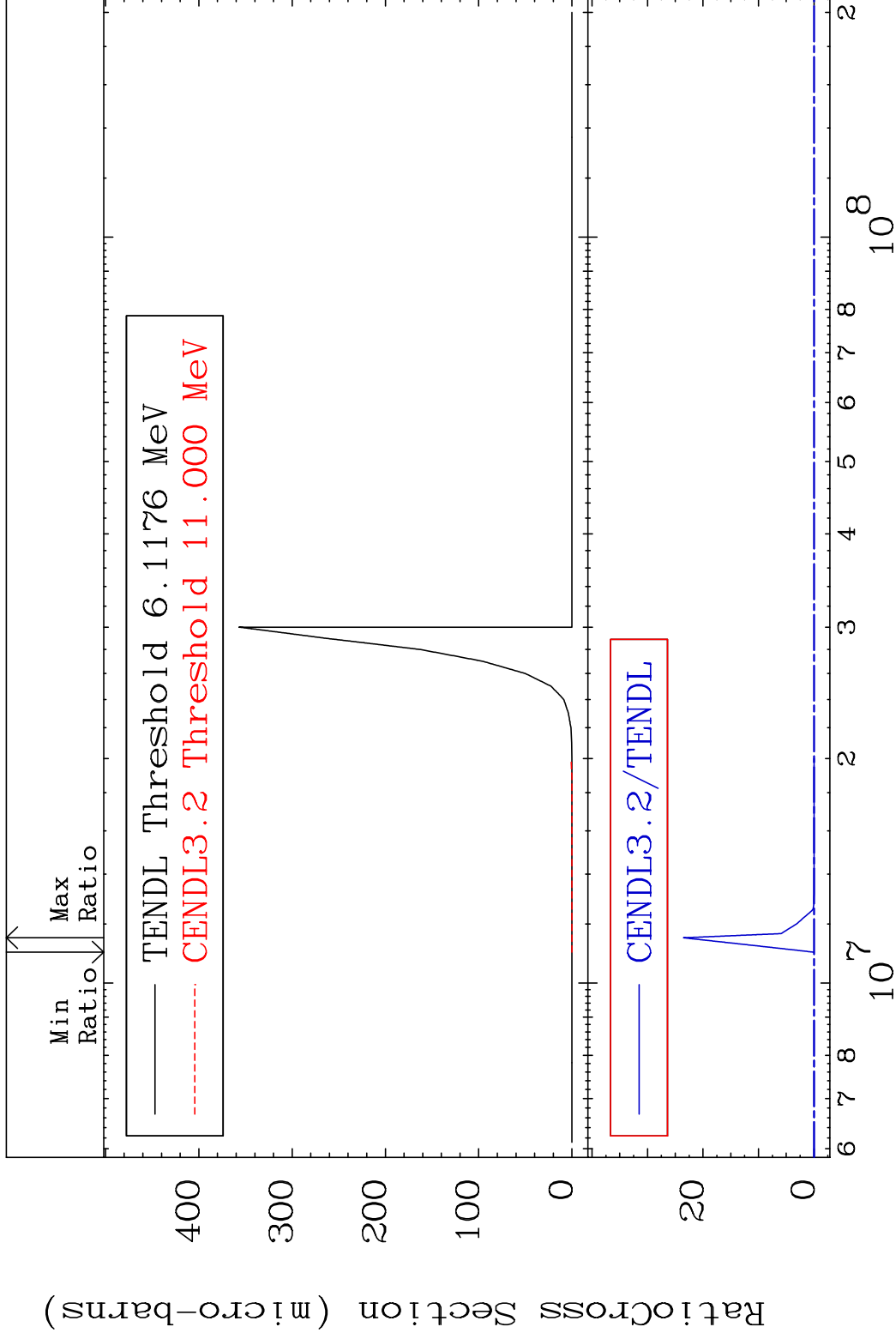
60-Nd-144

MAT 6031

(n, He-3)

60-Nd-144

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

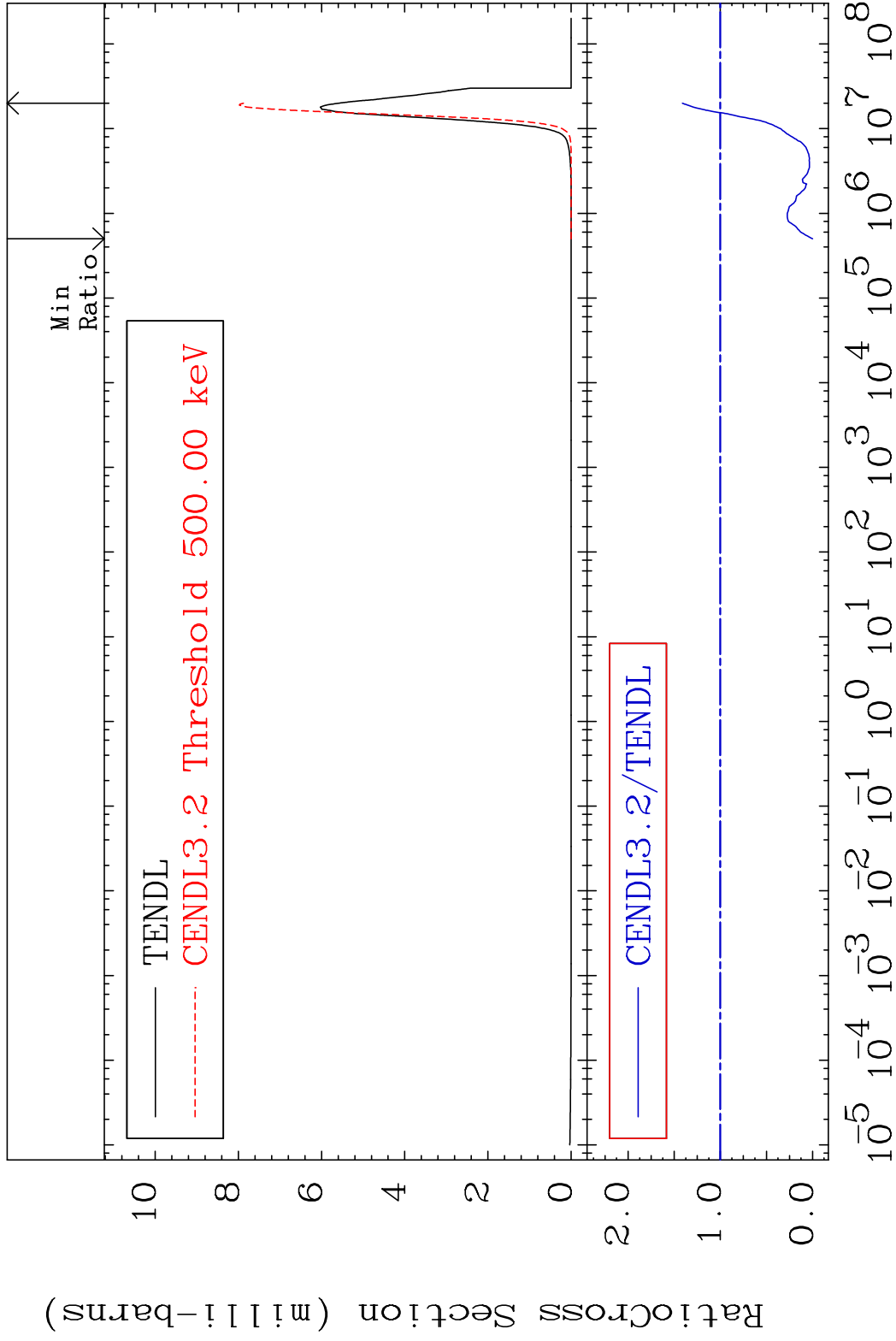
60-Nd-144

MAT 6031

(n, α)

60-Nd-144

Cross Section -100.0 To 41.18 %



29

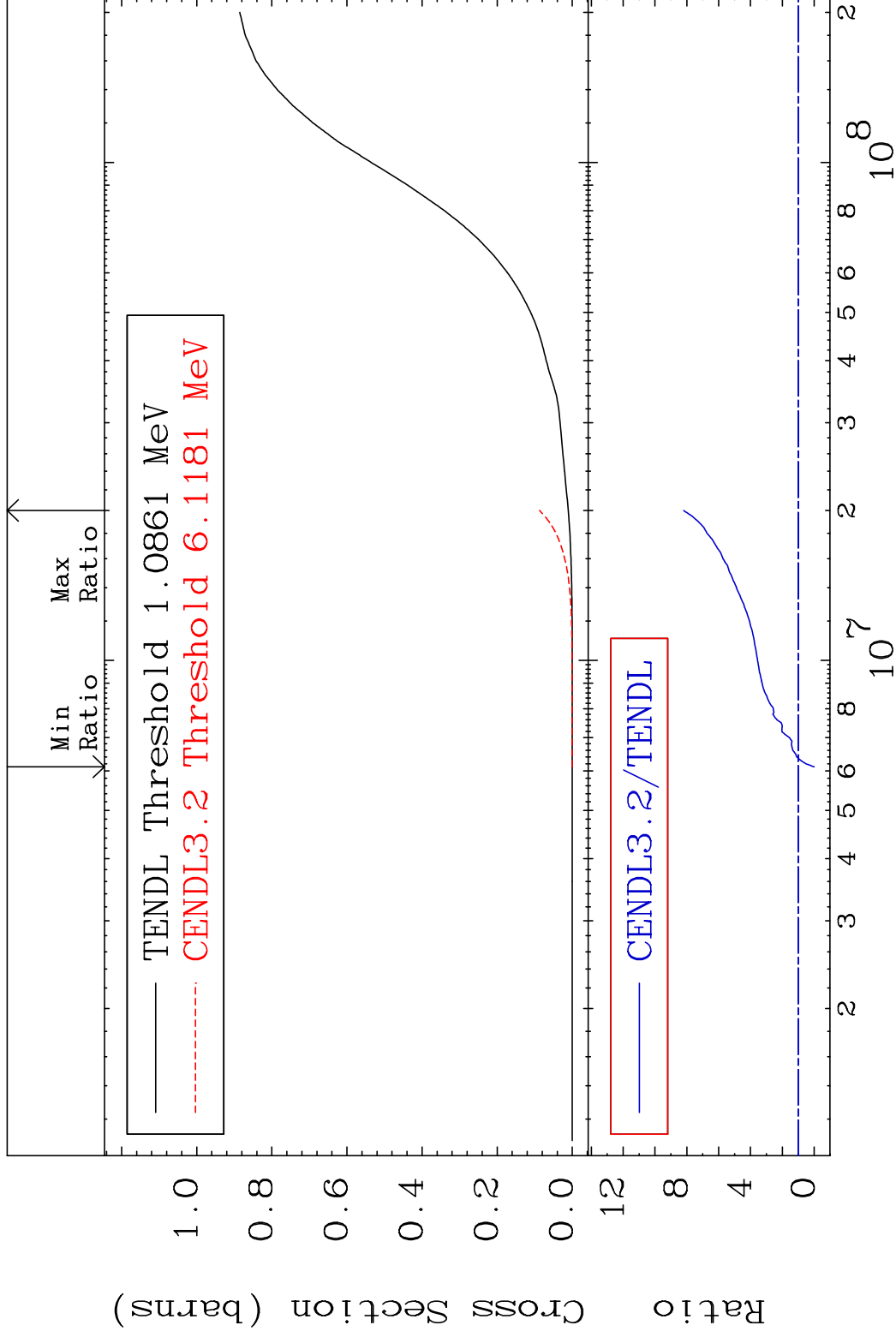
Incident Energy (eV)

60-Nd-144

MAT 6031

Hydrogen Production
Cross Section -100.0 To 719.8 %

60-Nd-144



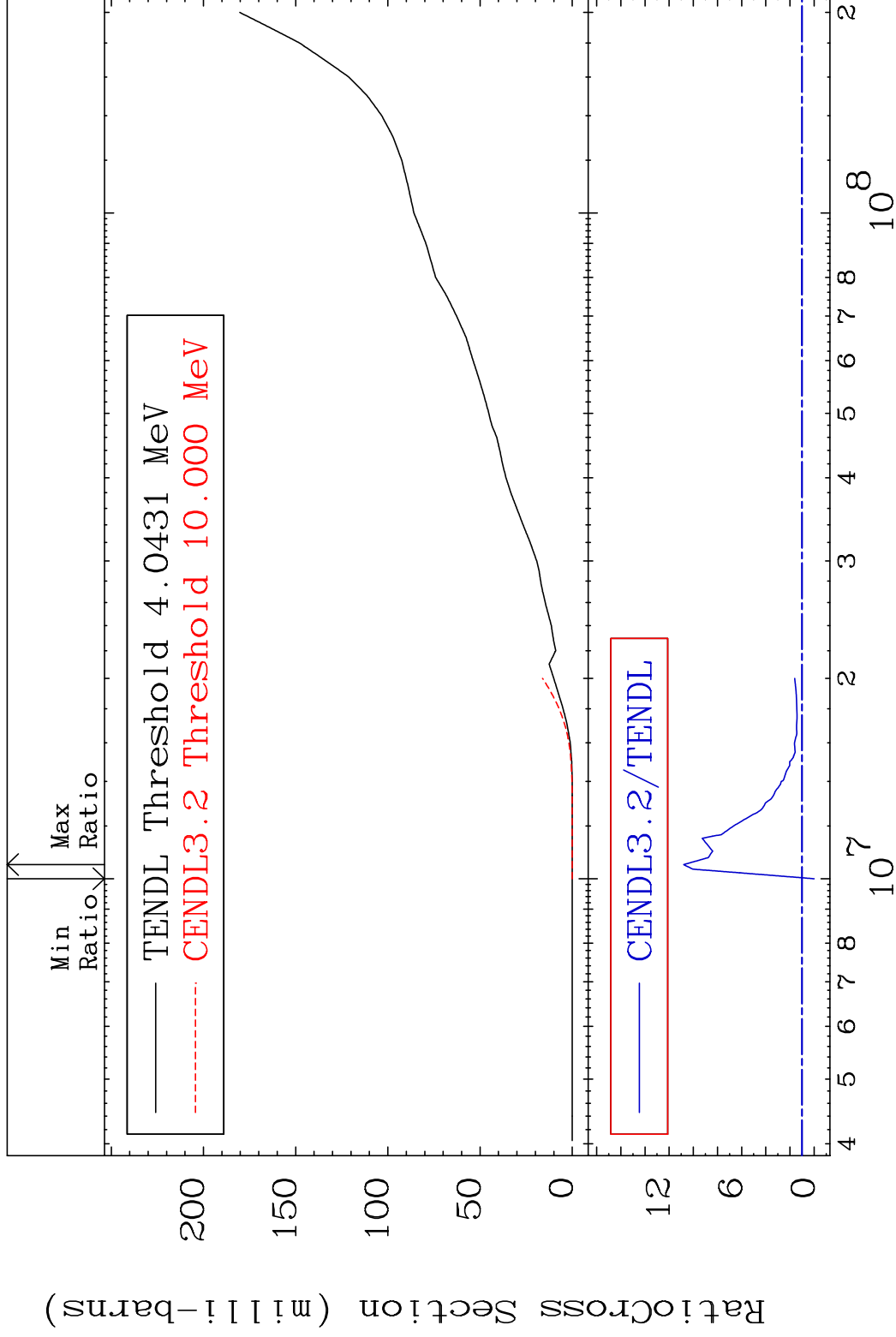
30

Incident Energy (eV)

60-Nd-144

MAT 6031

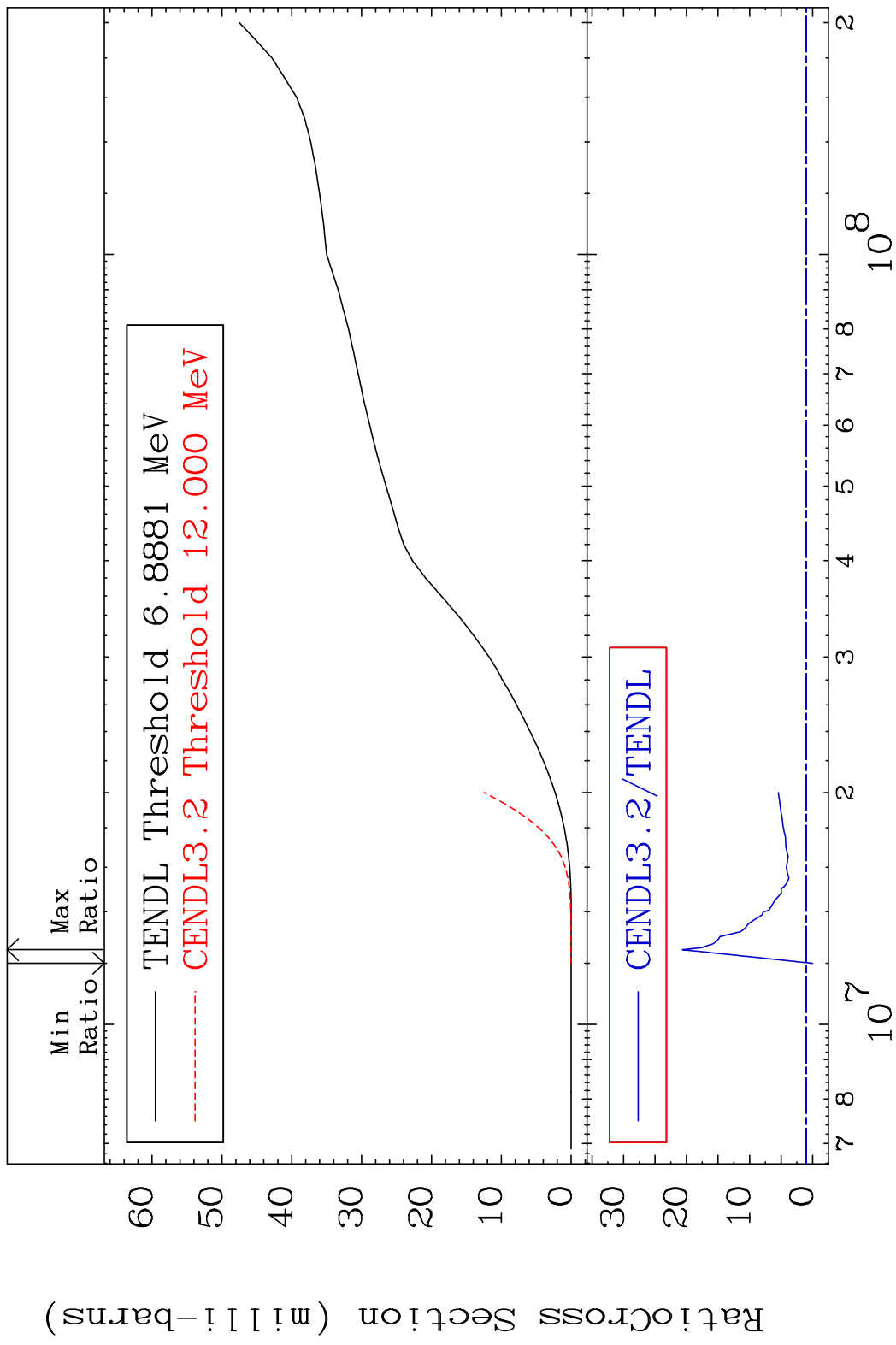
Deuterium Production 60-Nd-144
Cross Section -100.0 To 979.8 %



31

Incident Energy (eV) 60-Nd-144

MAT 6031 Tritium Production 60-Nd-144
 Cross Section -100.0 To 1967. %

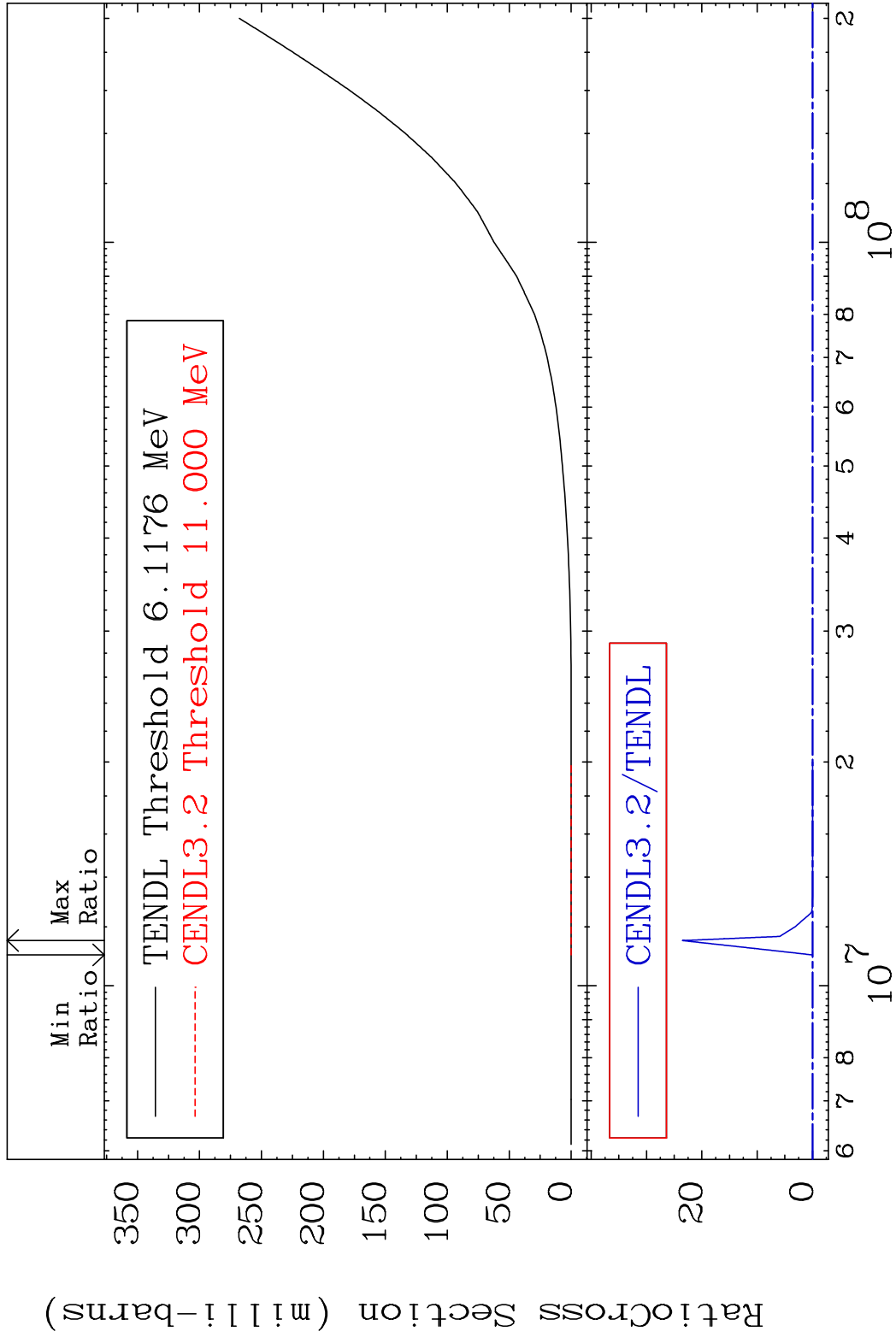


MAT 6031

He-3 Production

60-Nd-144

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

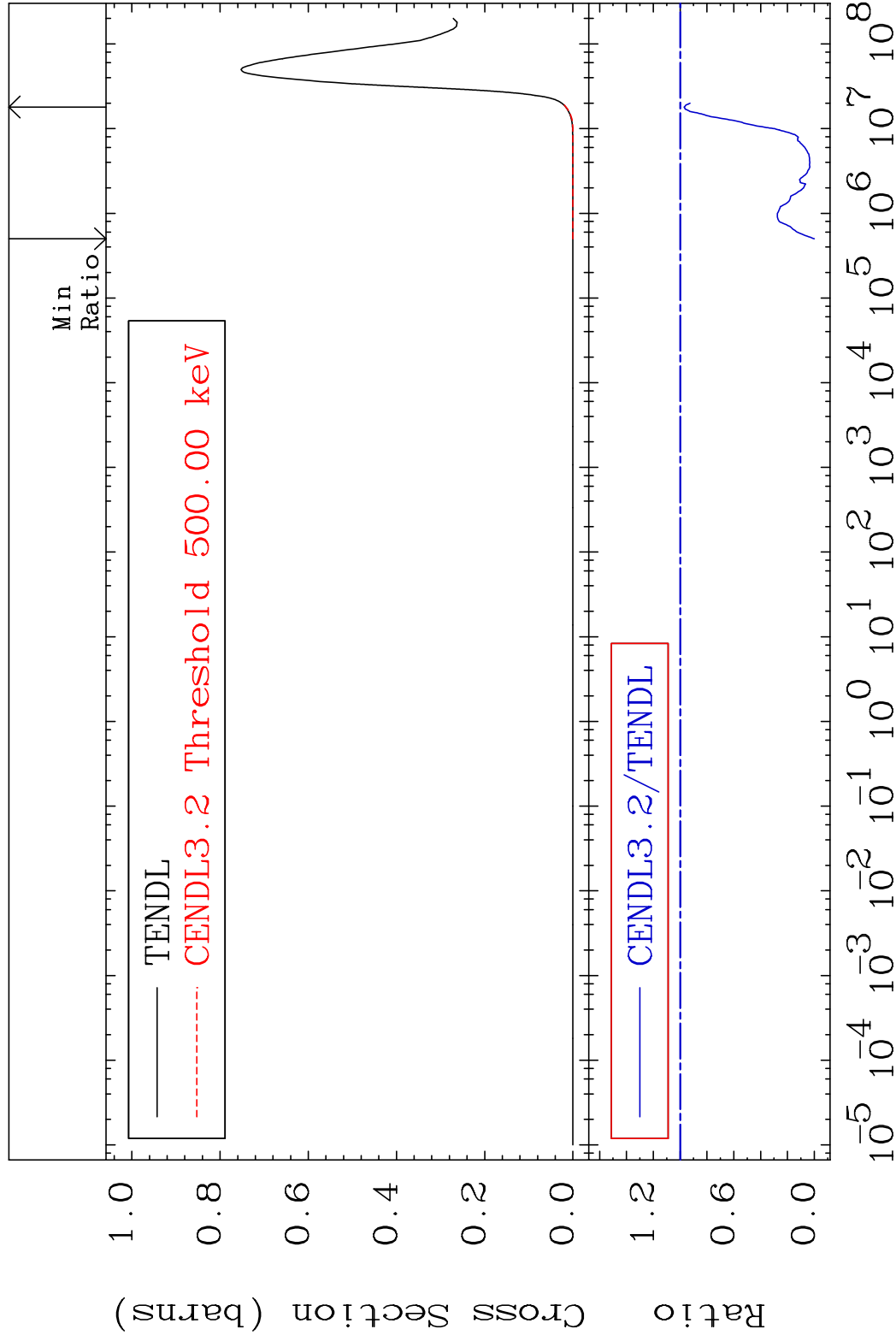
60-Nd-144

MAT 6031

He-4 Production

60-Nd-144

Cross Section -100.0 To -2.935%

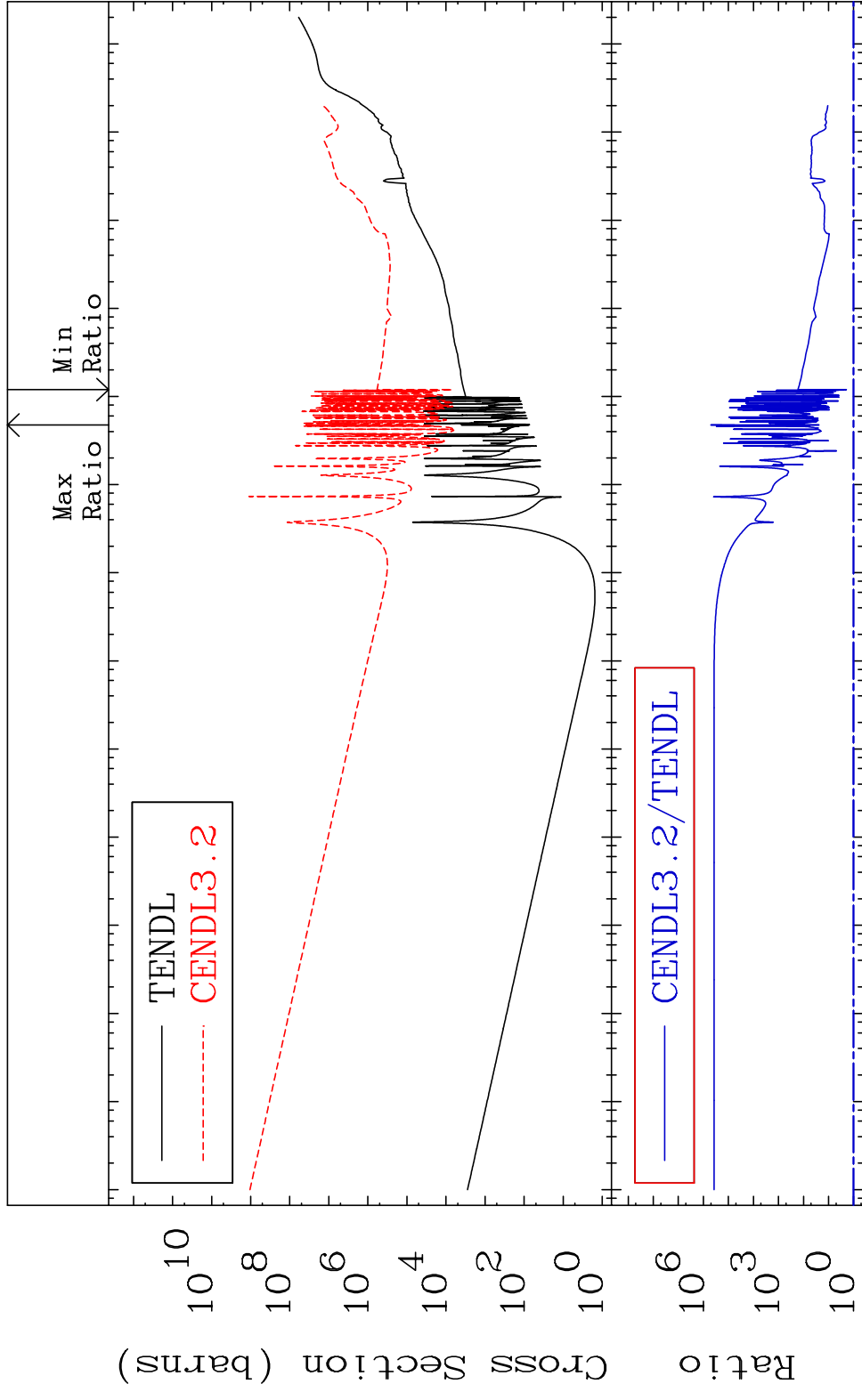


34

Incident Energy (eV)

60-Nd-144

MAT 6031 Kerma total (eV-barns) 60-Nd-144
 Cross Section 95.19 To 9999. %



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

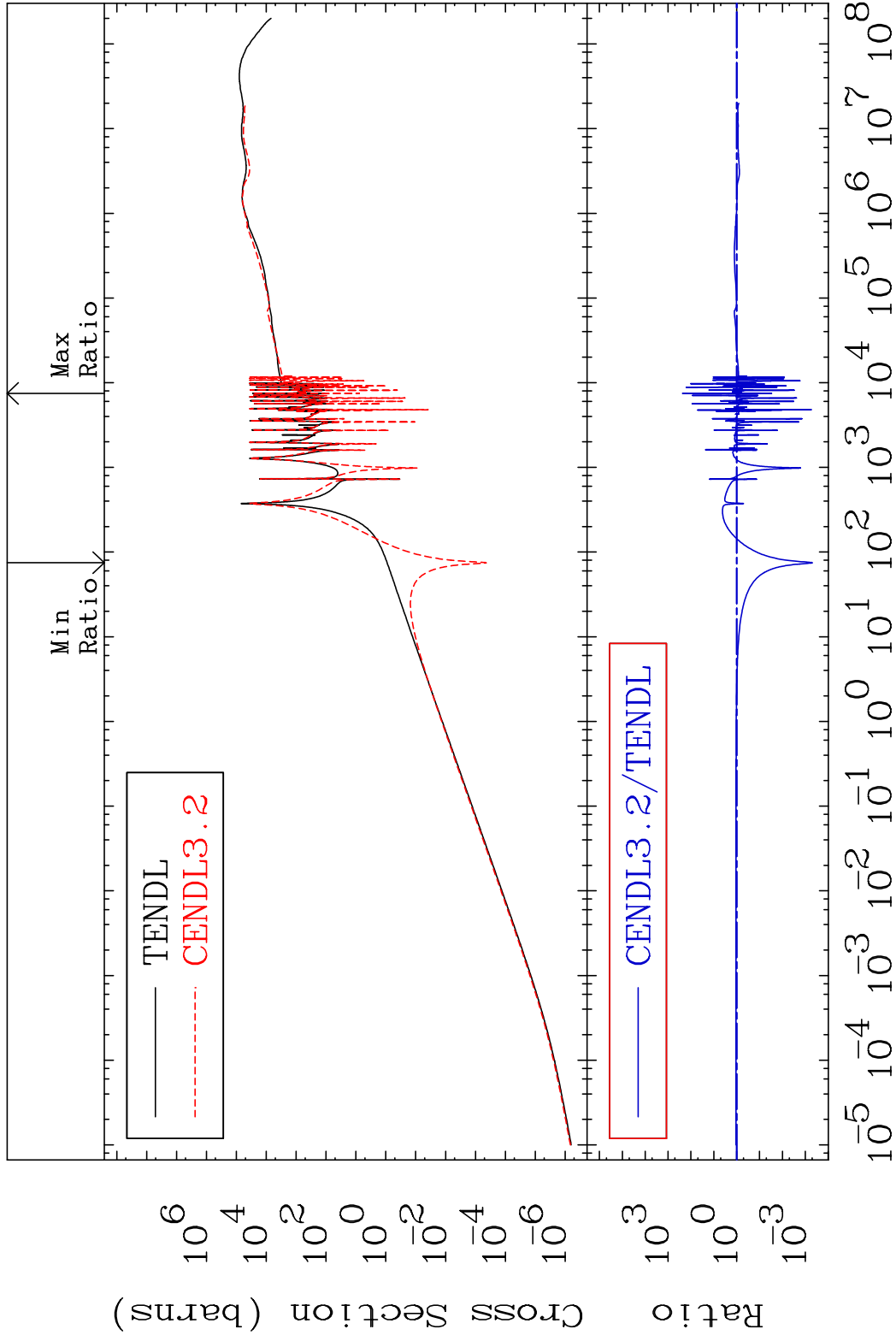
35 Incident Energy (eV) 60-Nd-144

MAT 6031

Kerma elastic
Cross Section

60-Nd-144

-99.95 To 9999. %

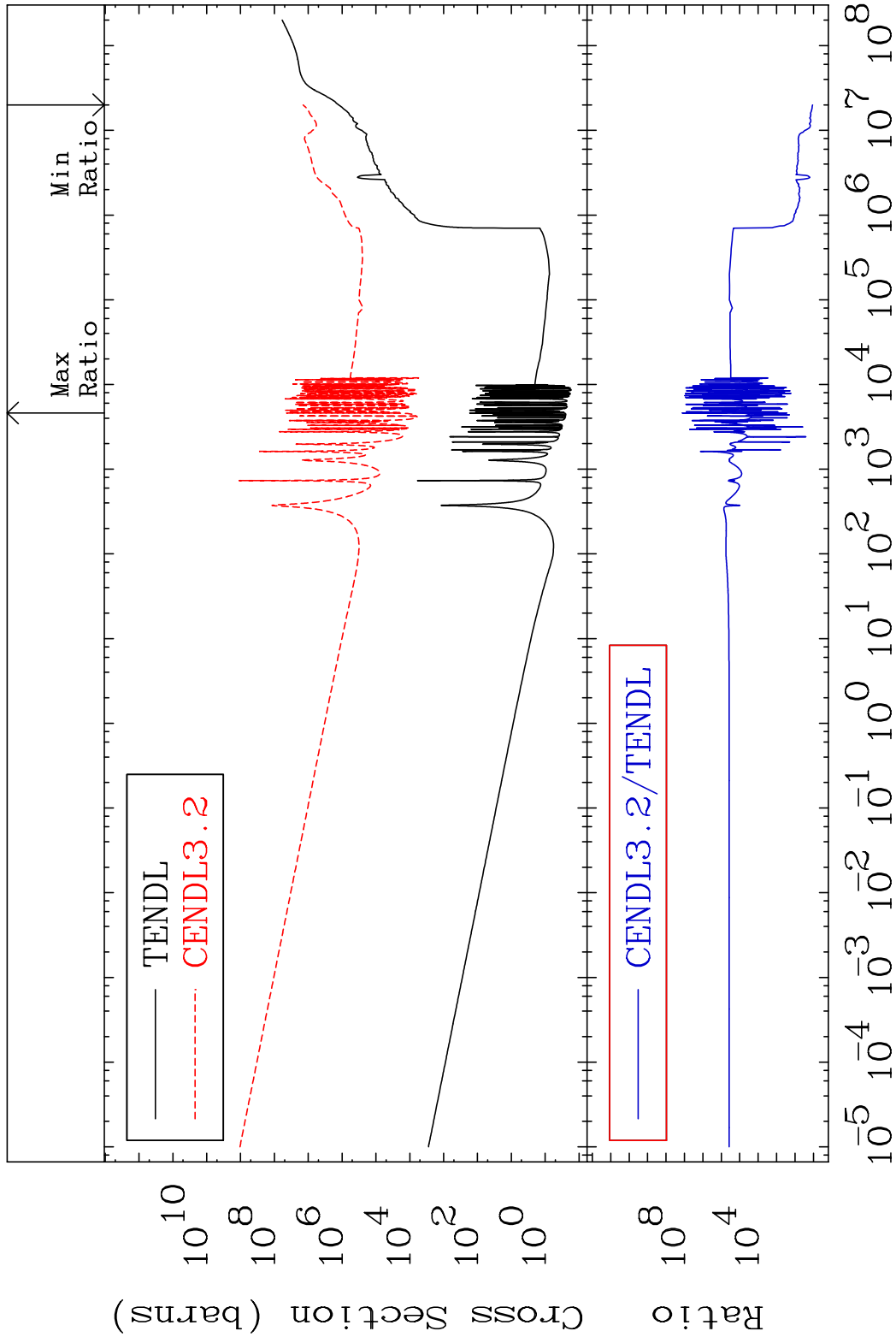


36

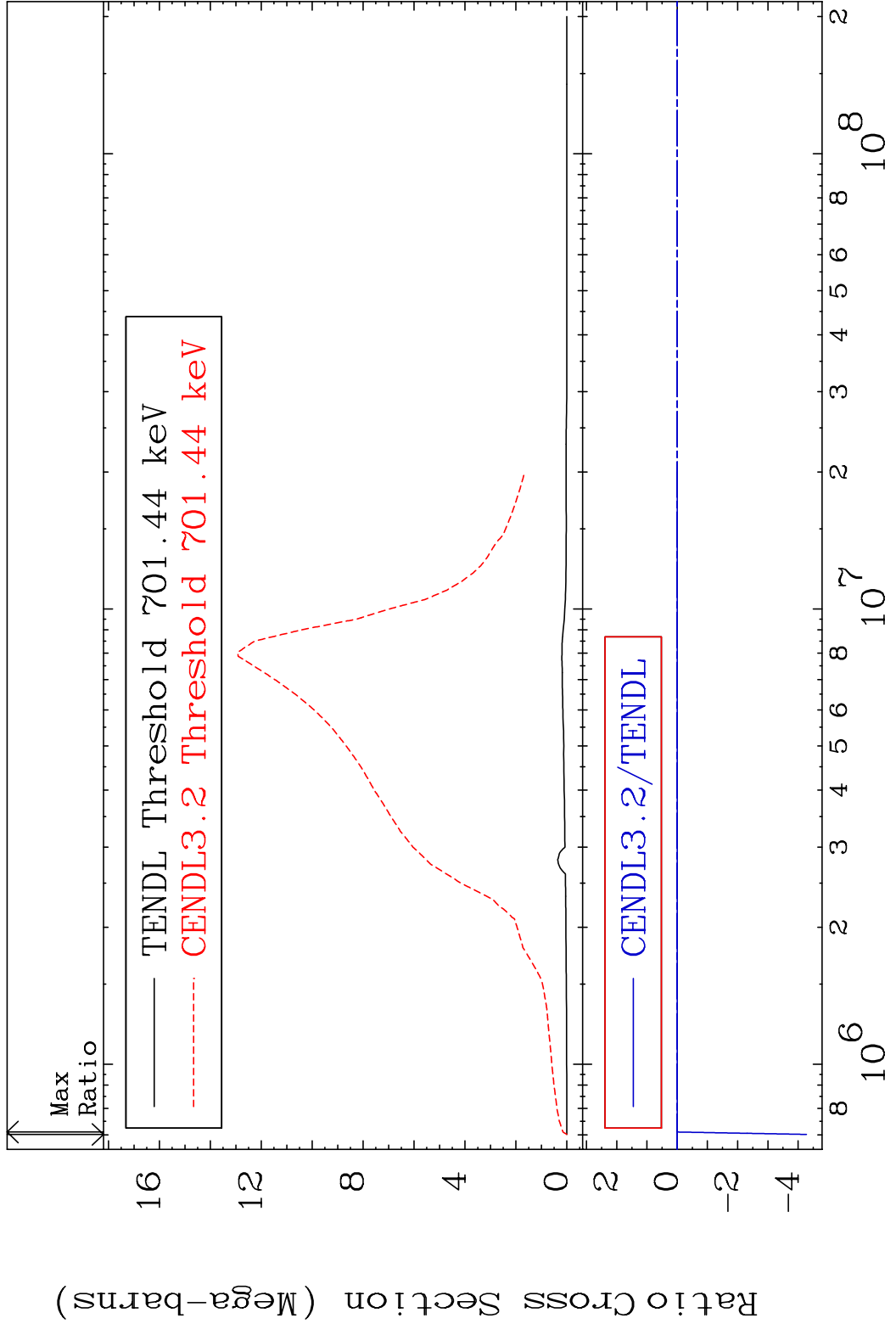
Incident Energy (eV)

60-Nd-144

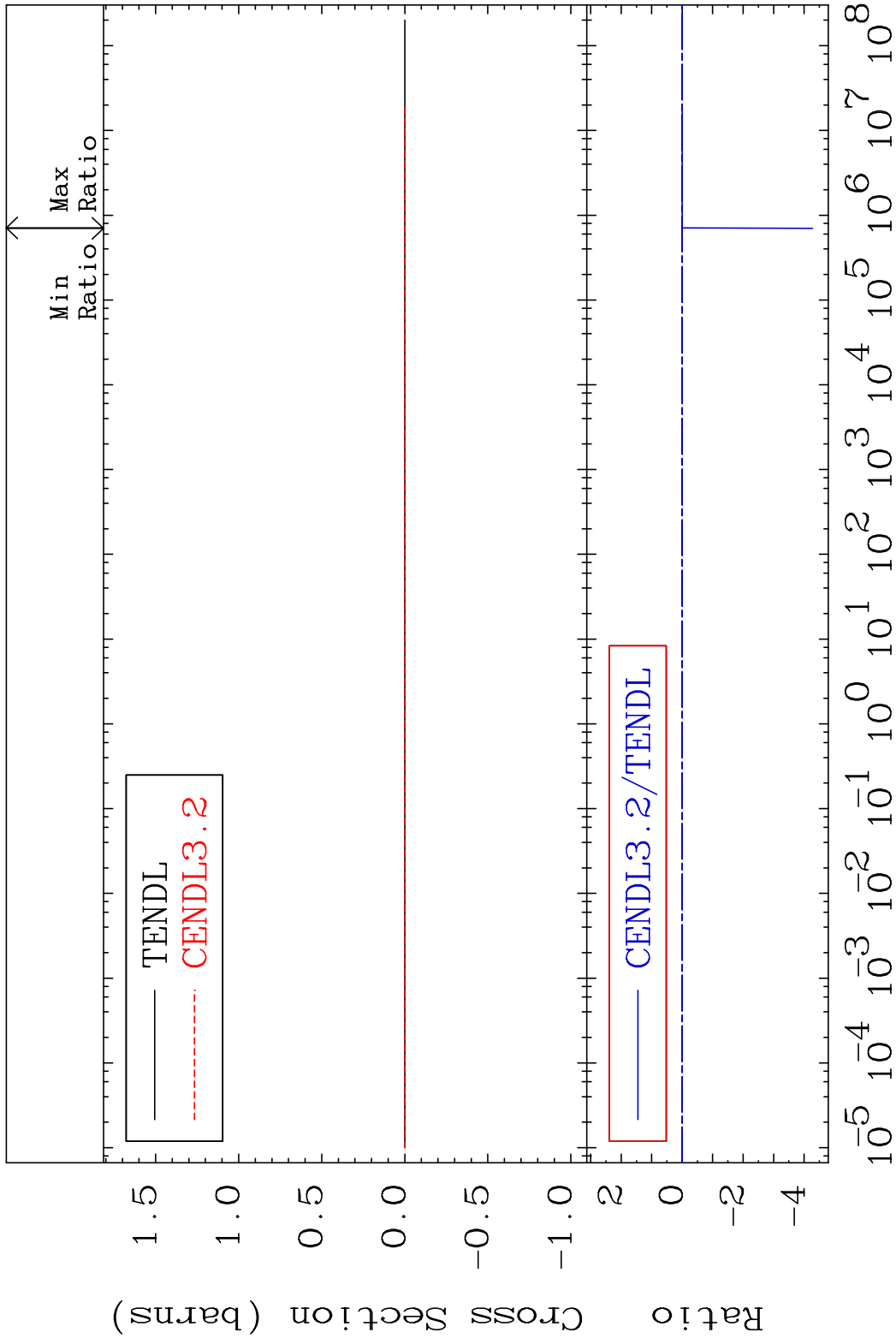
MAT 6031 Kerma non-elastic (all but mt2) 60-Nd-144
 Cross Section 1013. To 9999. %



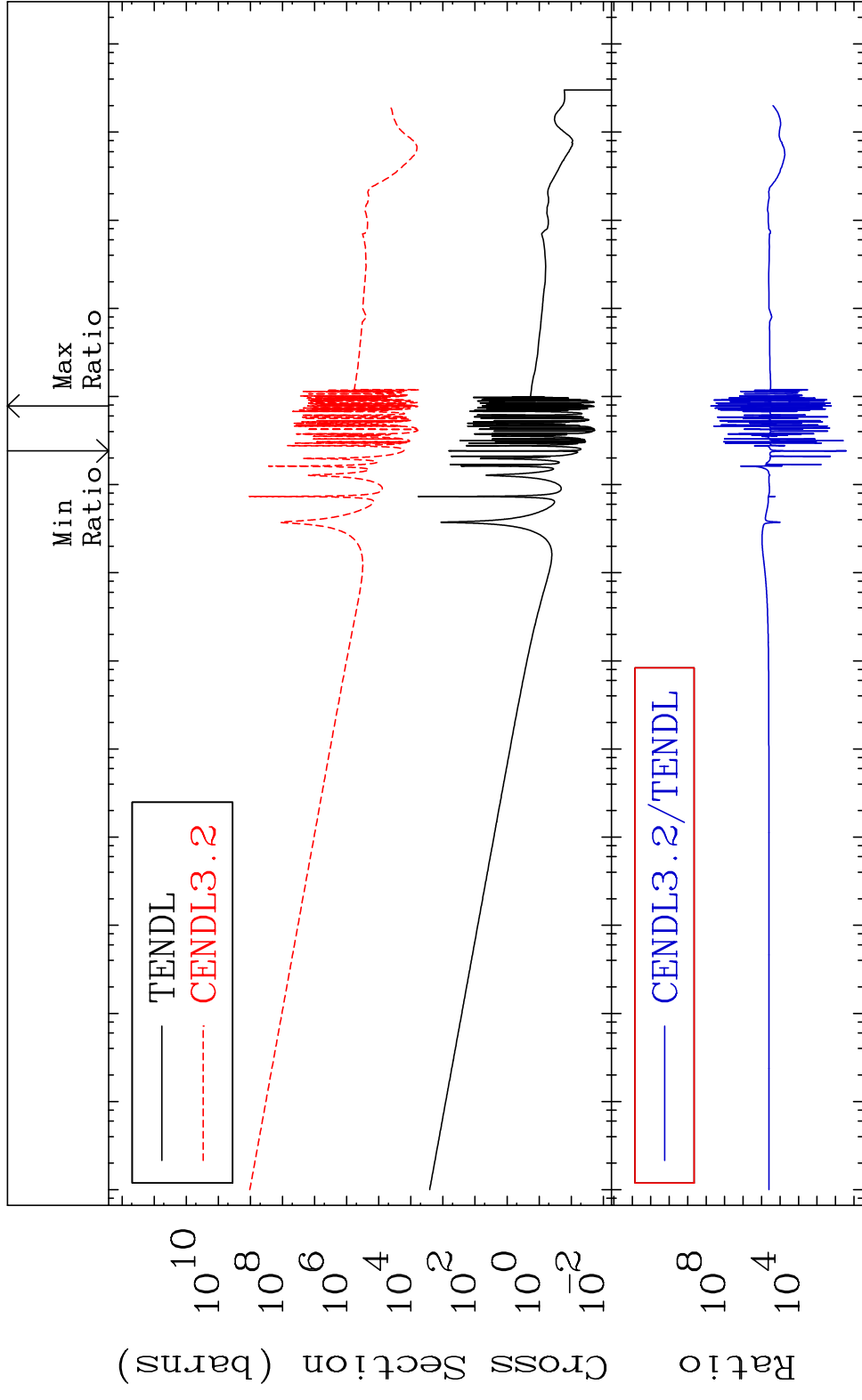
MAT 6031 Kerma inelastic (mt51-91) 60-Nd-144
 Cross Section -9999. To 9999. %



MAT 6031 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-144
 Cross Section -9999. To 9999. %

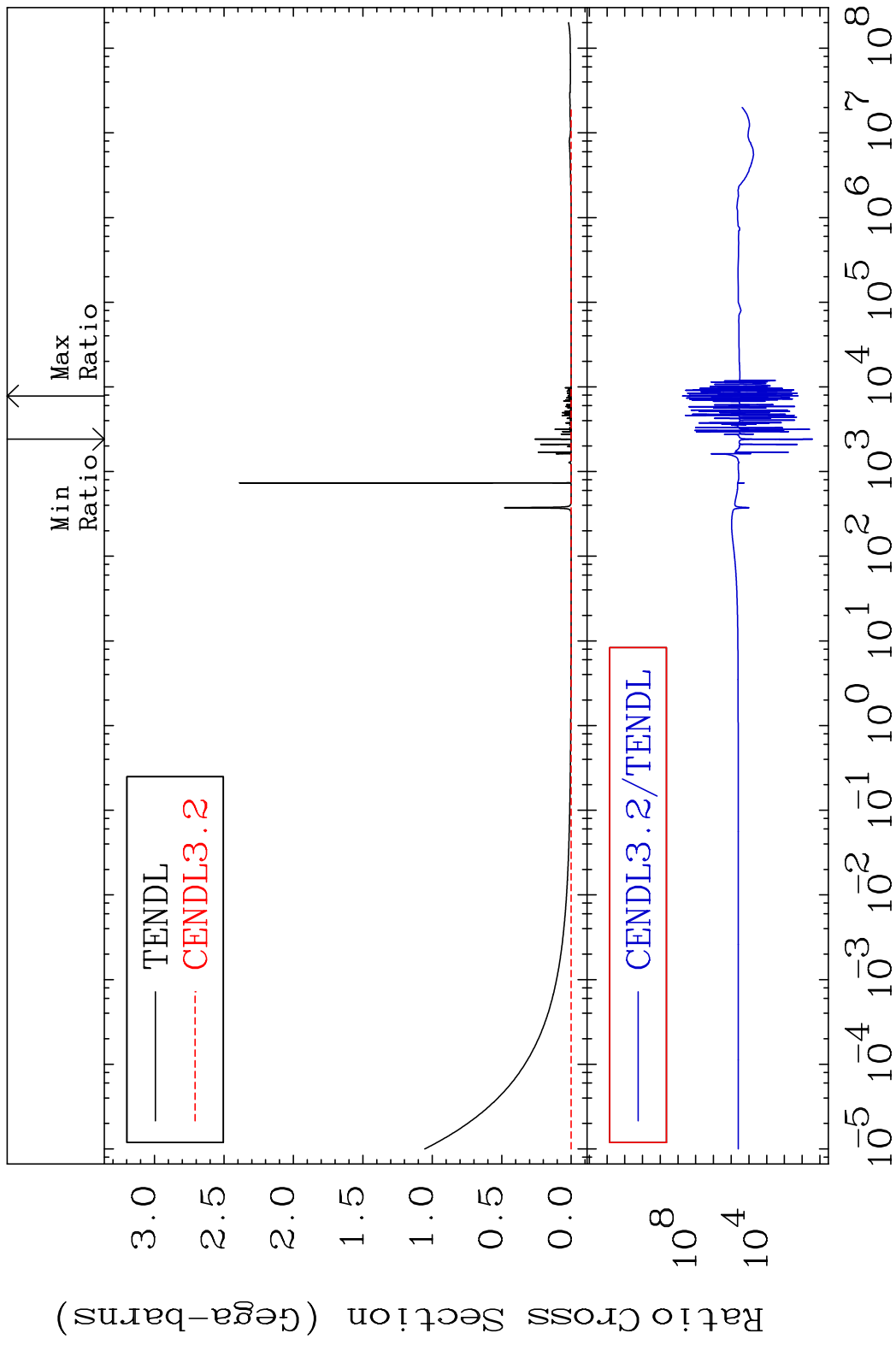


MAT 6031 Kerma capture (mt102) 60-Nd-144
 Cross Section 2483. To 9999. %

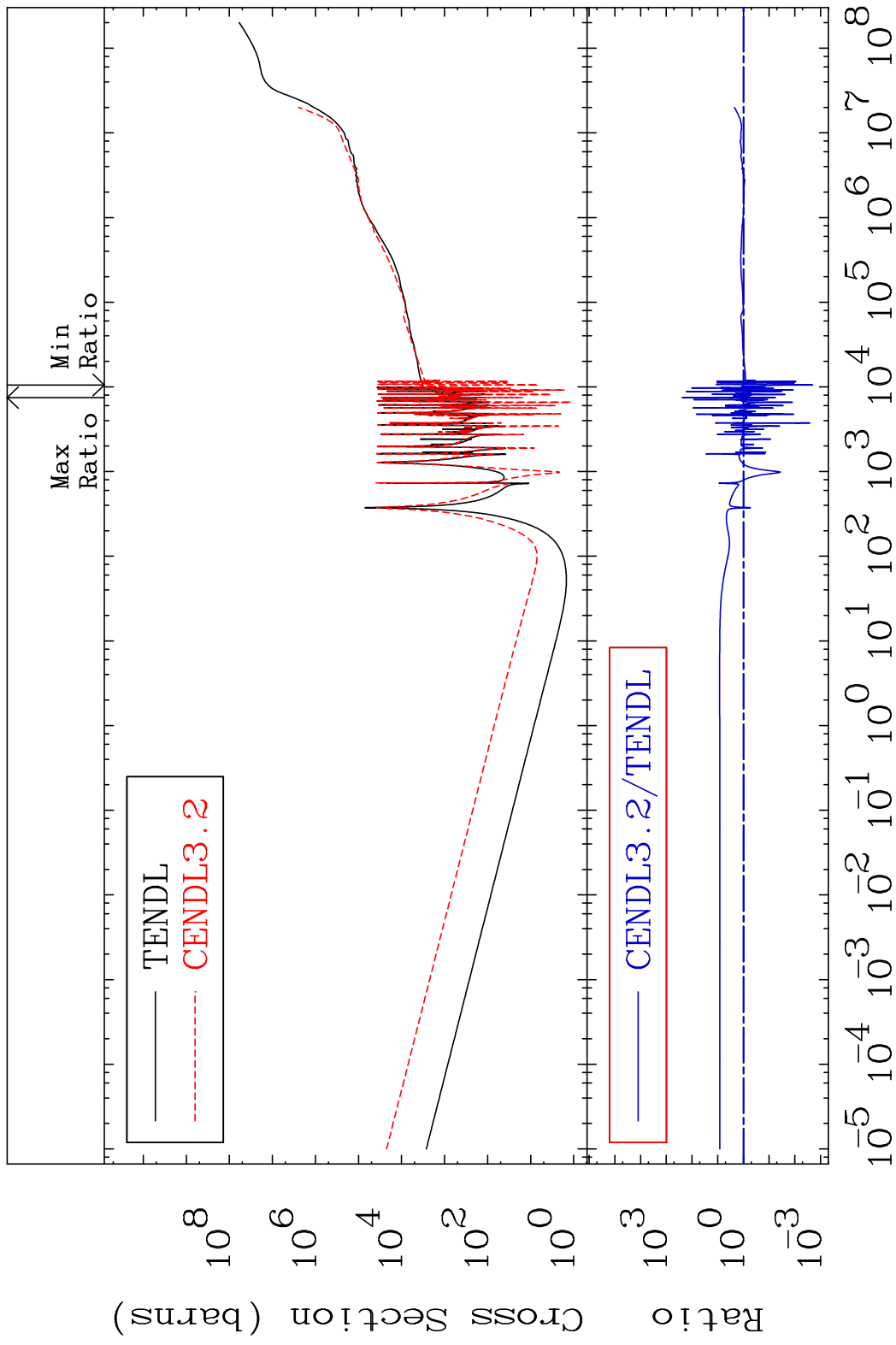


40 Incident Energy (eV) 60-Nd-144

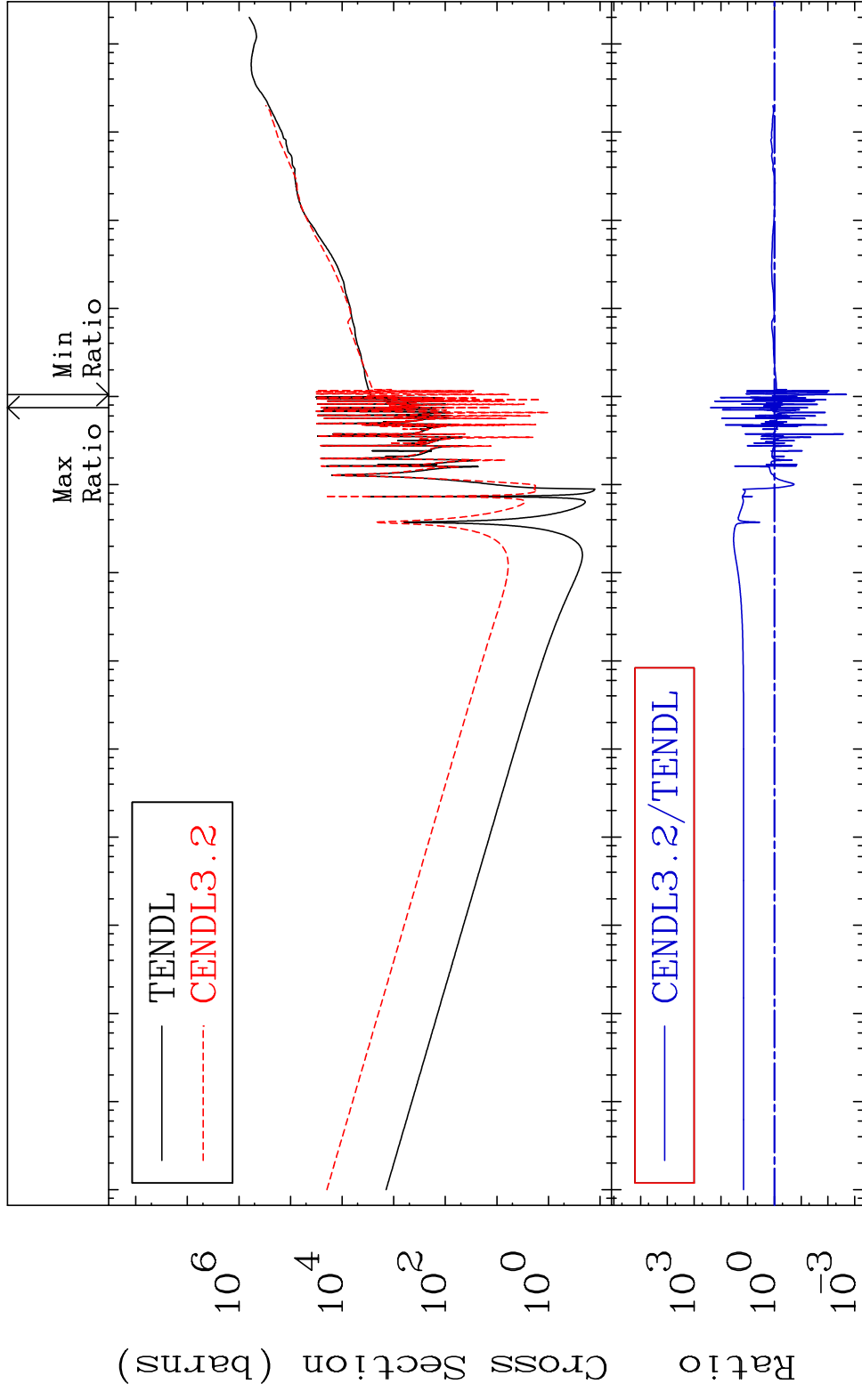
MAT 6031 Total photon (eV-barns) 60-Nd-144
 Cross Section 2483. To 9999. %



MAT 6031 Total kinematic kerma (high limit) 60-Nd-144
 Cross Section -99.80 To 9999. %

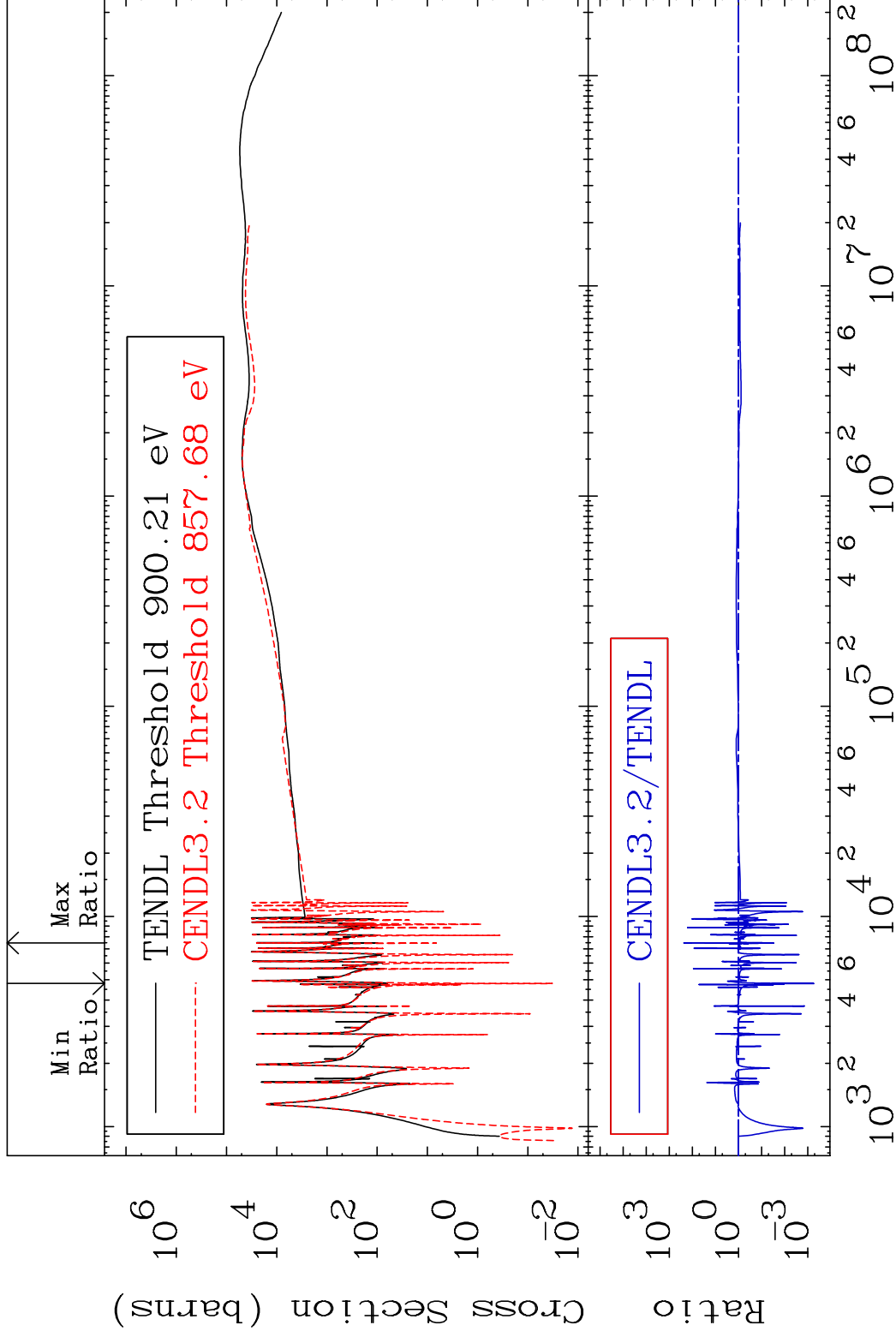


MAT 6031 Dpa total (eV-barns) 60-Nd-144
 Cross Section -99.79 To 9999. %



MAT 6031

Dpa elastic (mt2) 60-Nd-144
Cross Section -99.95 To 9999. %

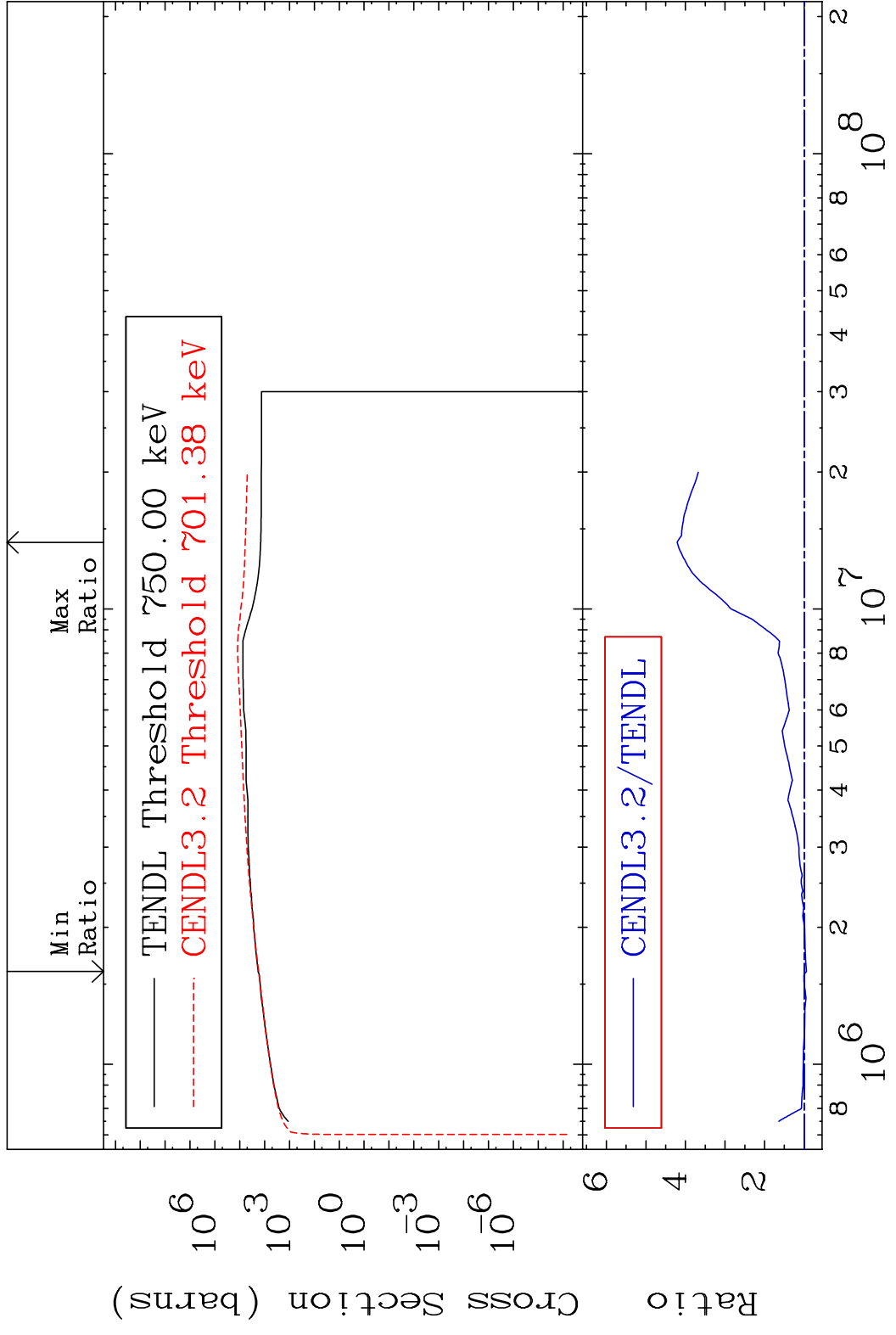


44

Incident Energy (eV)

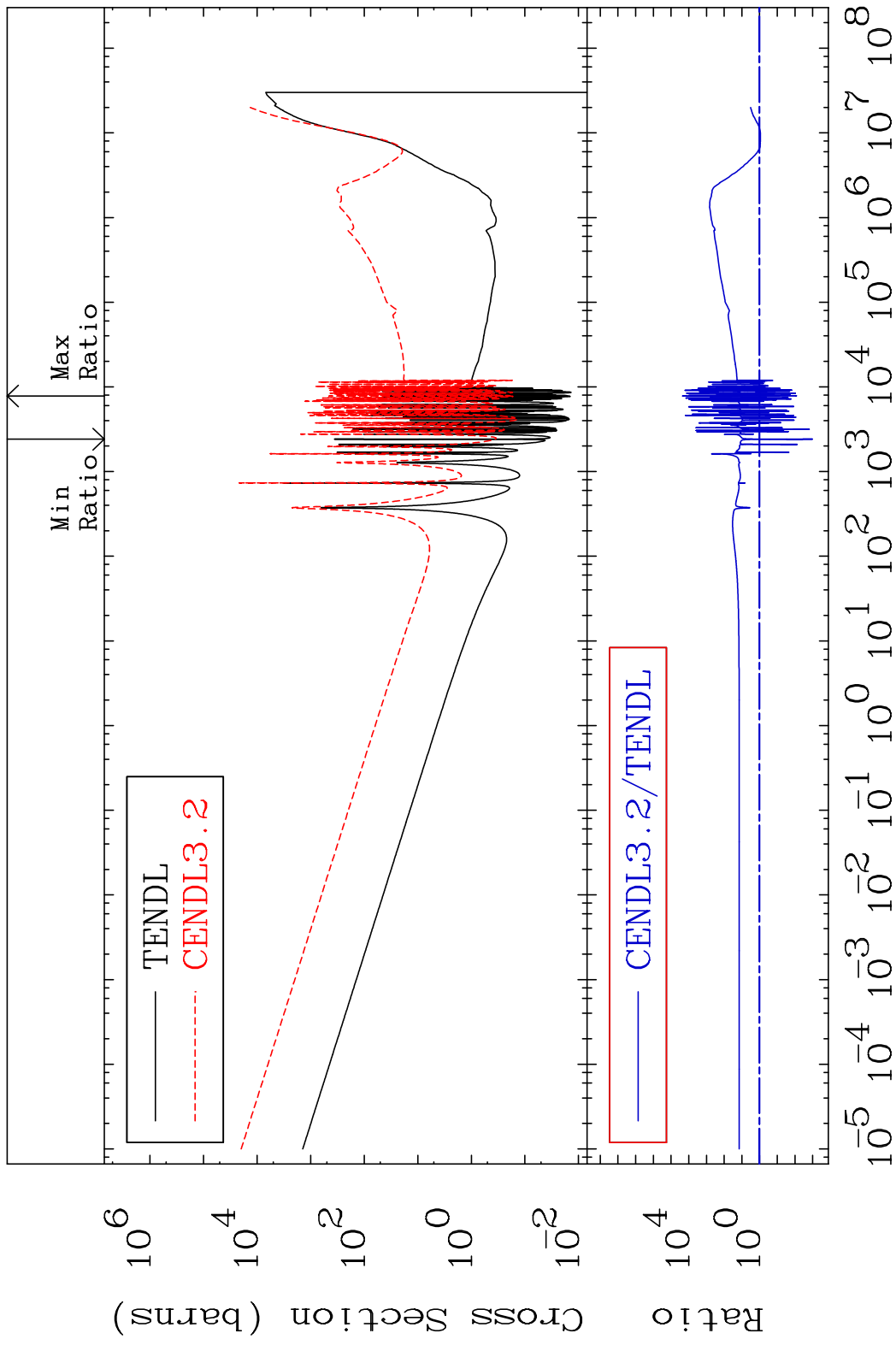
60-Nd-144

MAT 6031 Dpa inelastic (mt51-91) 60-Nd-144
 Cross Section -5.666 To 320.9 %



45 Incident Energy (eV) 60-Nd-144

MAT 6031 Dpa disappearance (mt102 -120) 60-Nd-144
 Cross Section -99.90 To 9999. %

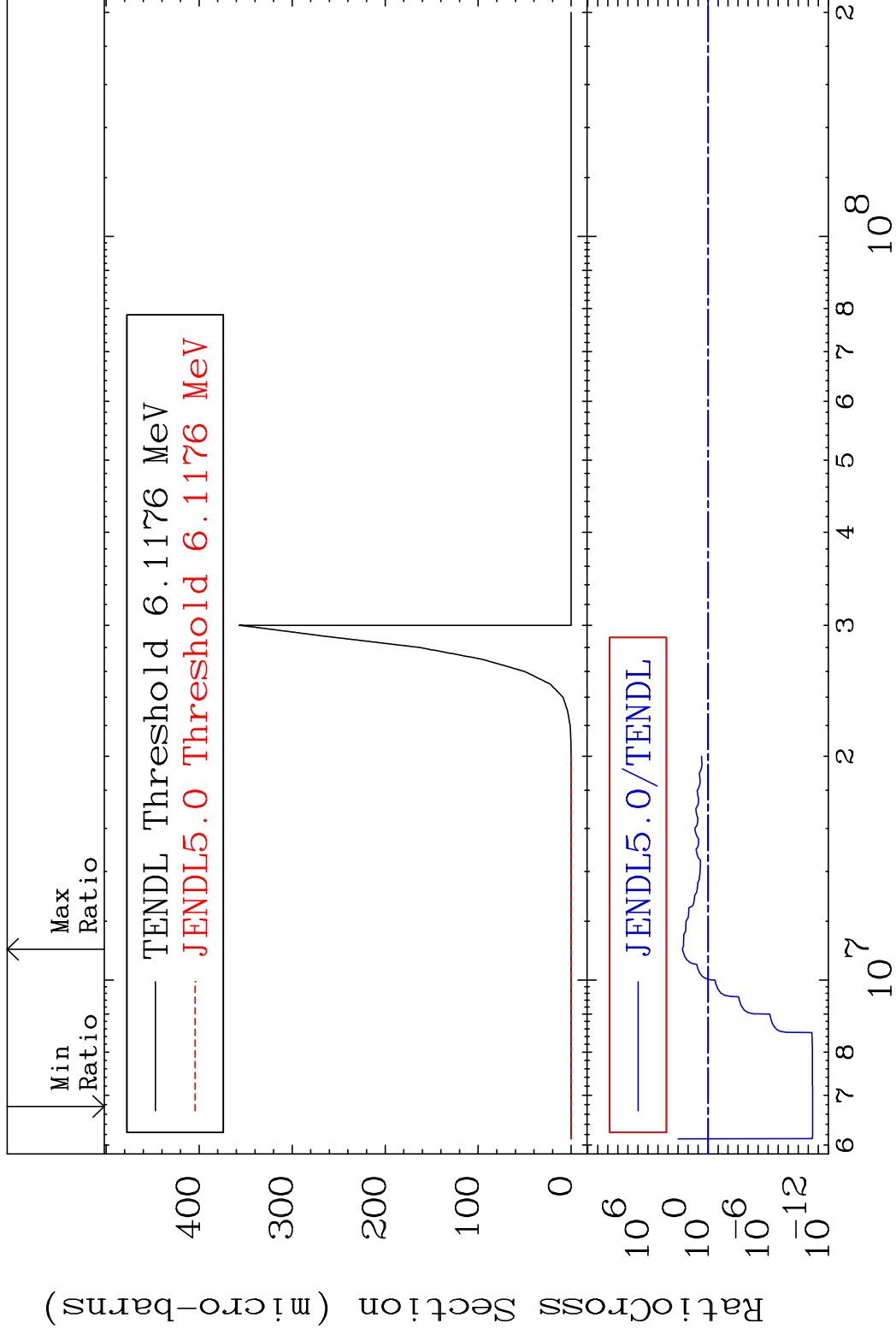


MAT 6031

(n, He-3)

60-Nd-144

Cross Section -100.0 To 9999. %



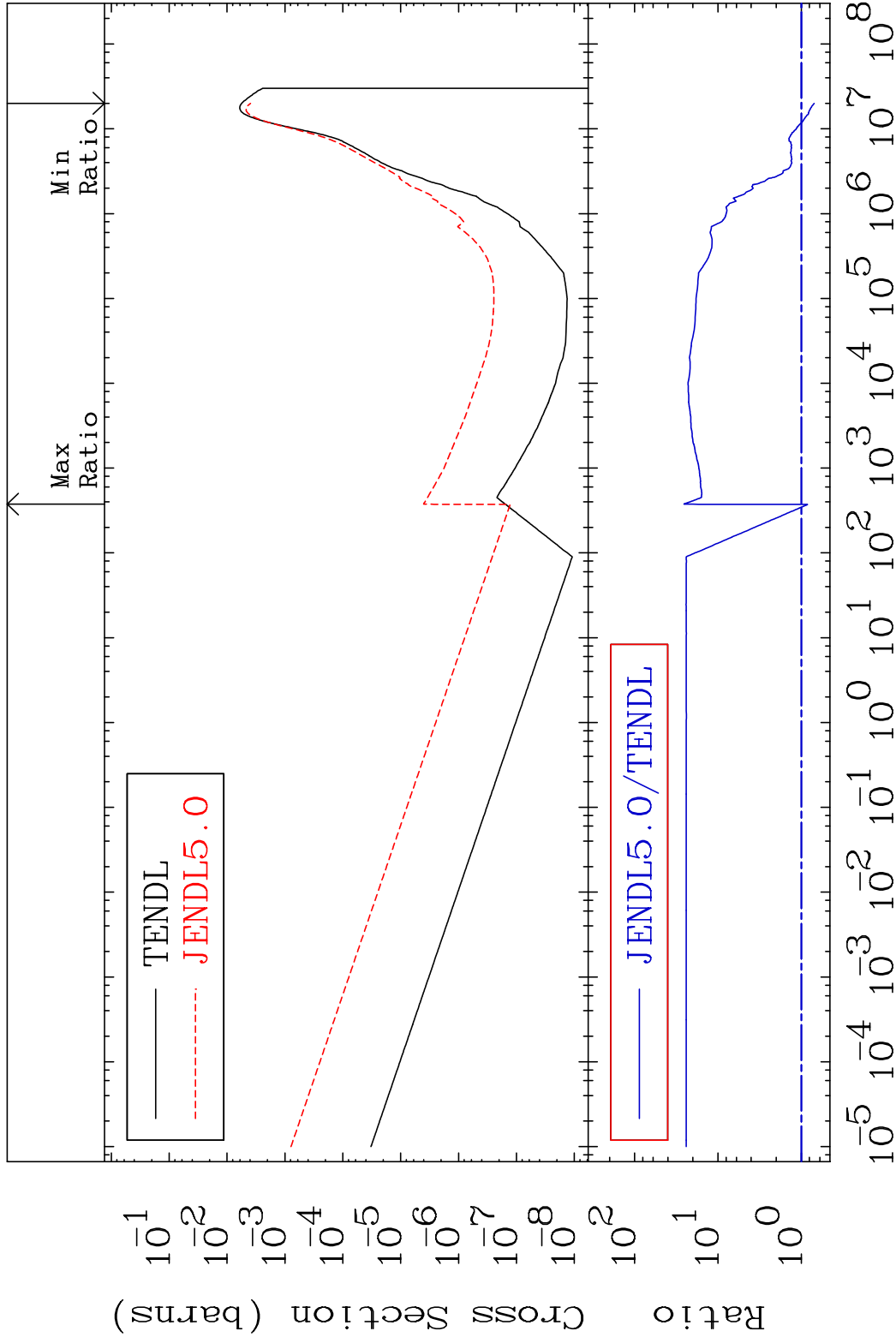
47

Incident Energy (eV)

60-Nd-144

MAT 6031

(n, α)
Cross Section -29.66 To 2484. %
60-Nd-144

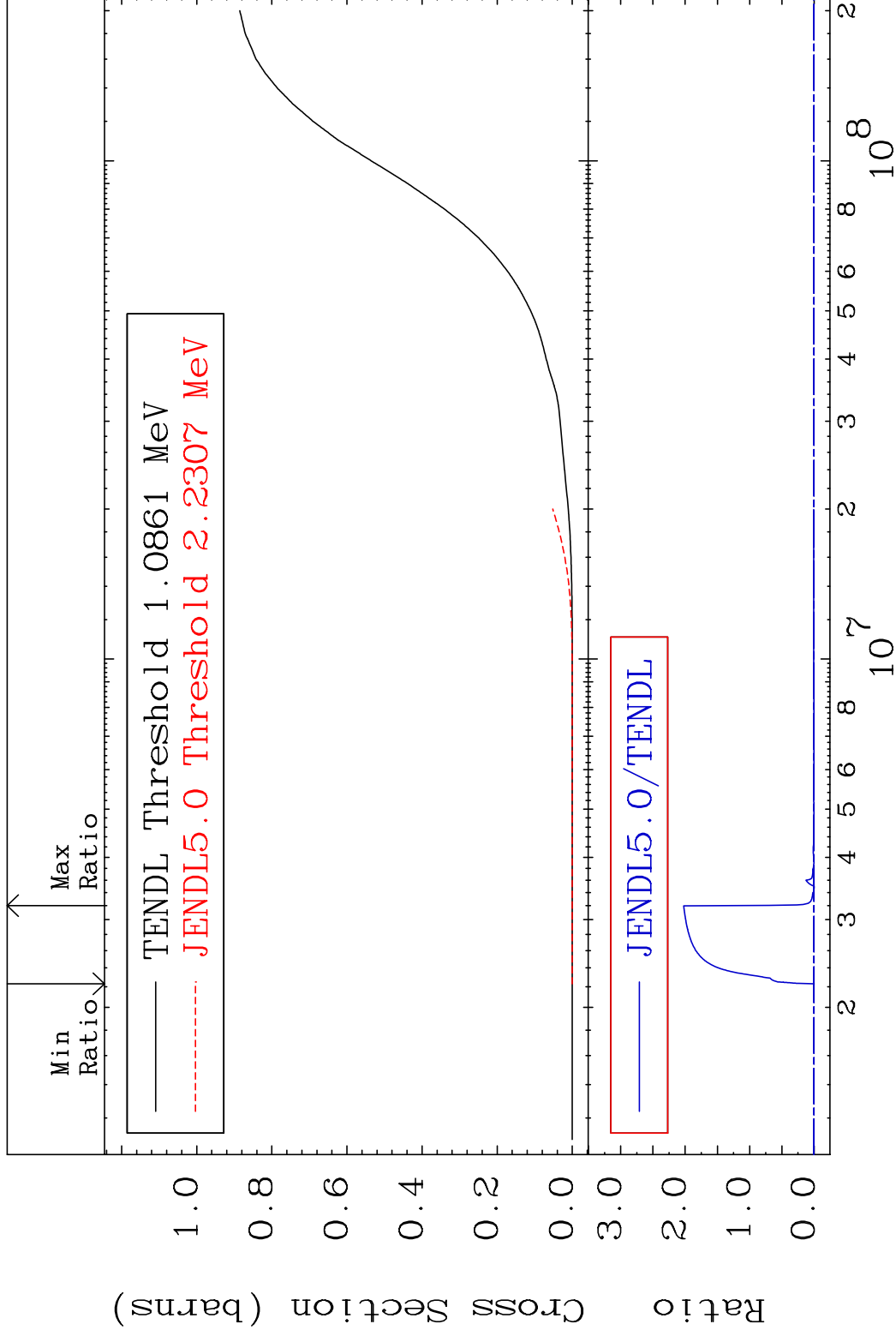


MAT 6031

Hydrogen Production

60-Nd-144

Cross Section -100.0 To 9999. %

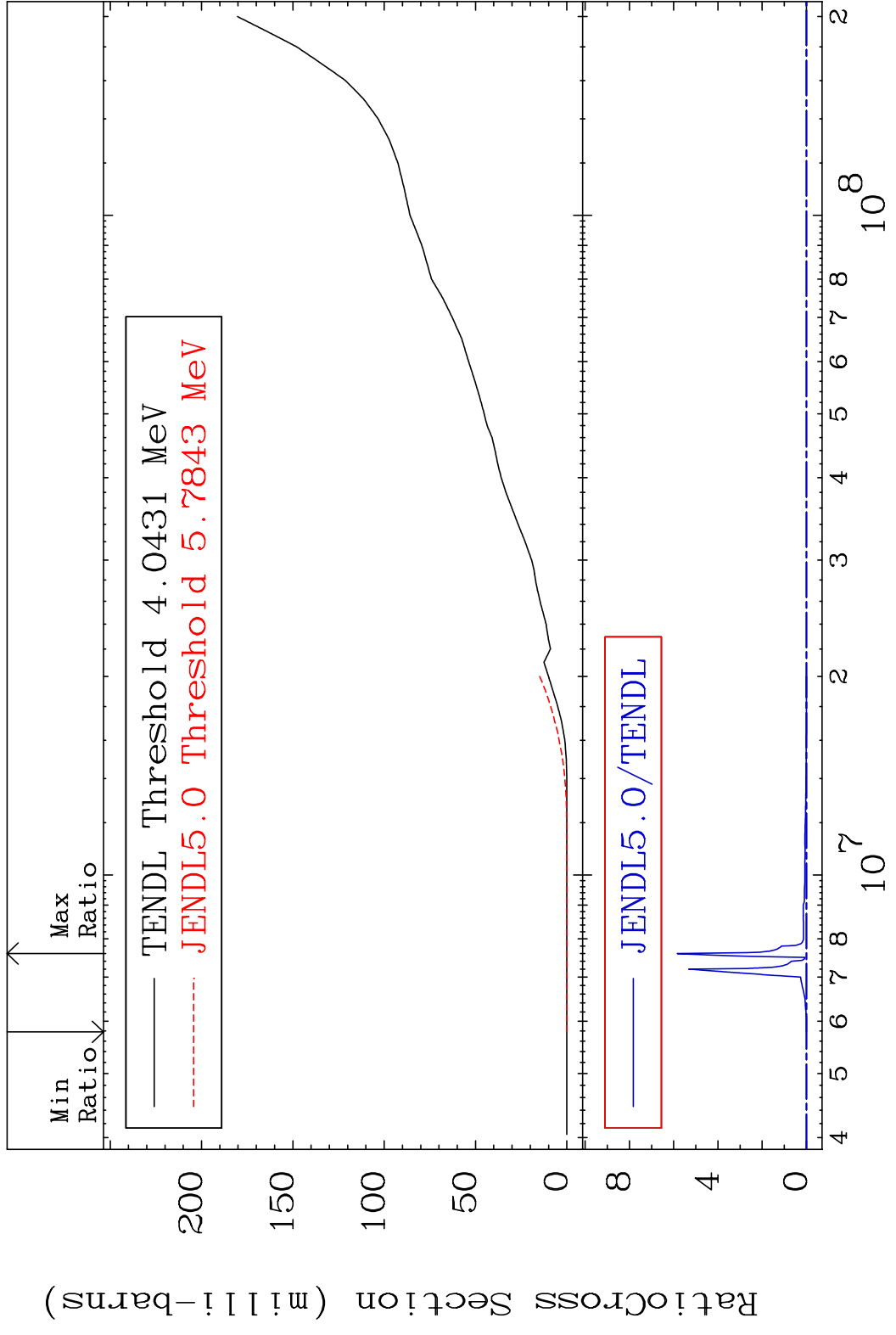


49

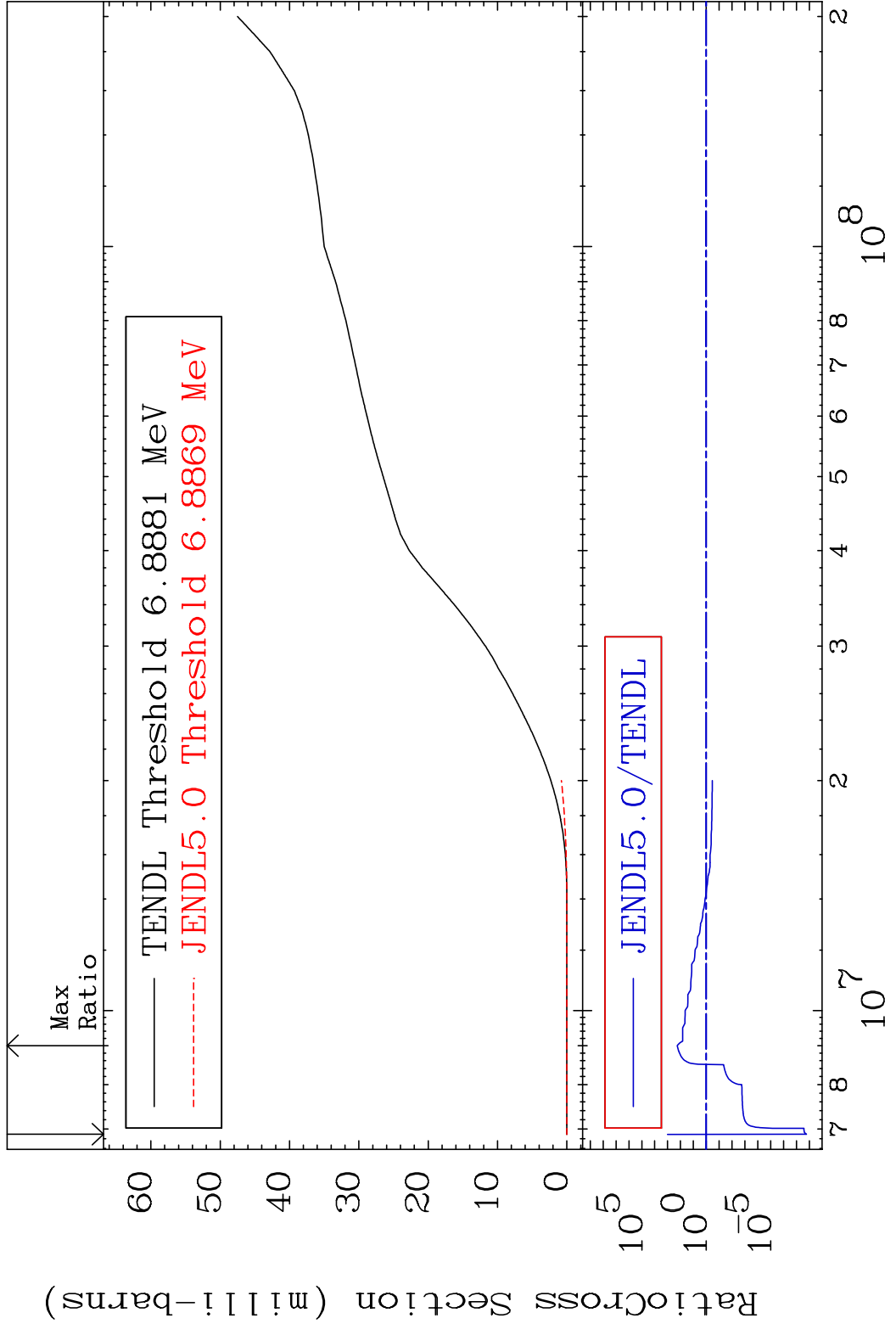
Incident Energy (eV)

60-Nd-144

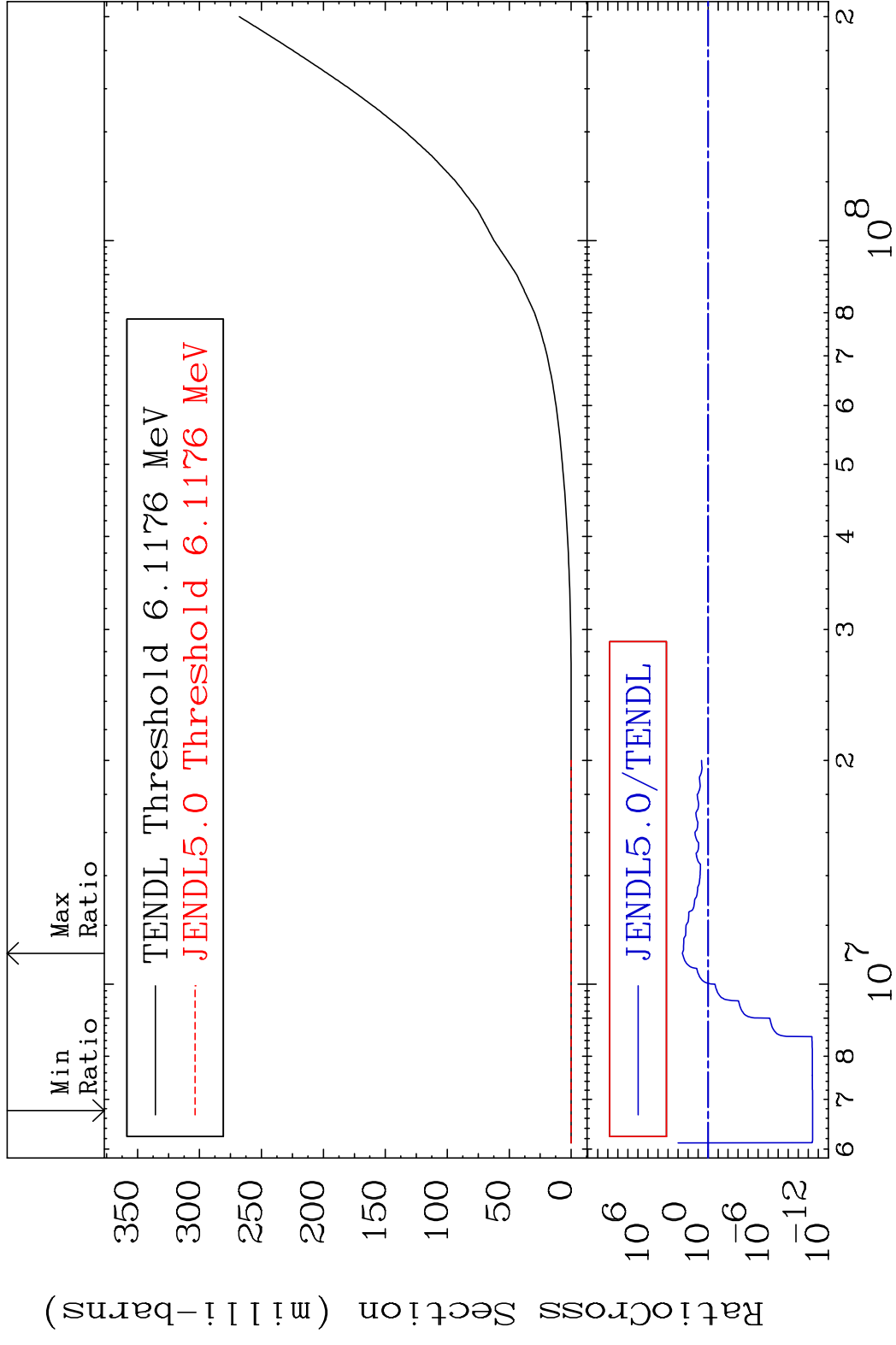
MAT 6031 Deuterium Production 60-Nd-144
 Cross Section -100.0 To 9999. %



MAT 6031 Tritium Production 60-Nd-144
 Cross Section -100.0 To 9999. %



MAT 6031 He-3 Production 60-Nd-144
 Cross Section -100.0 To 9999. %

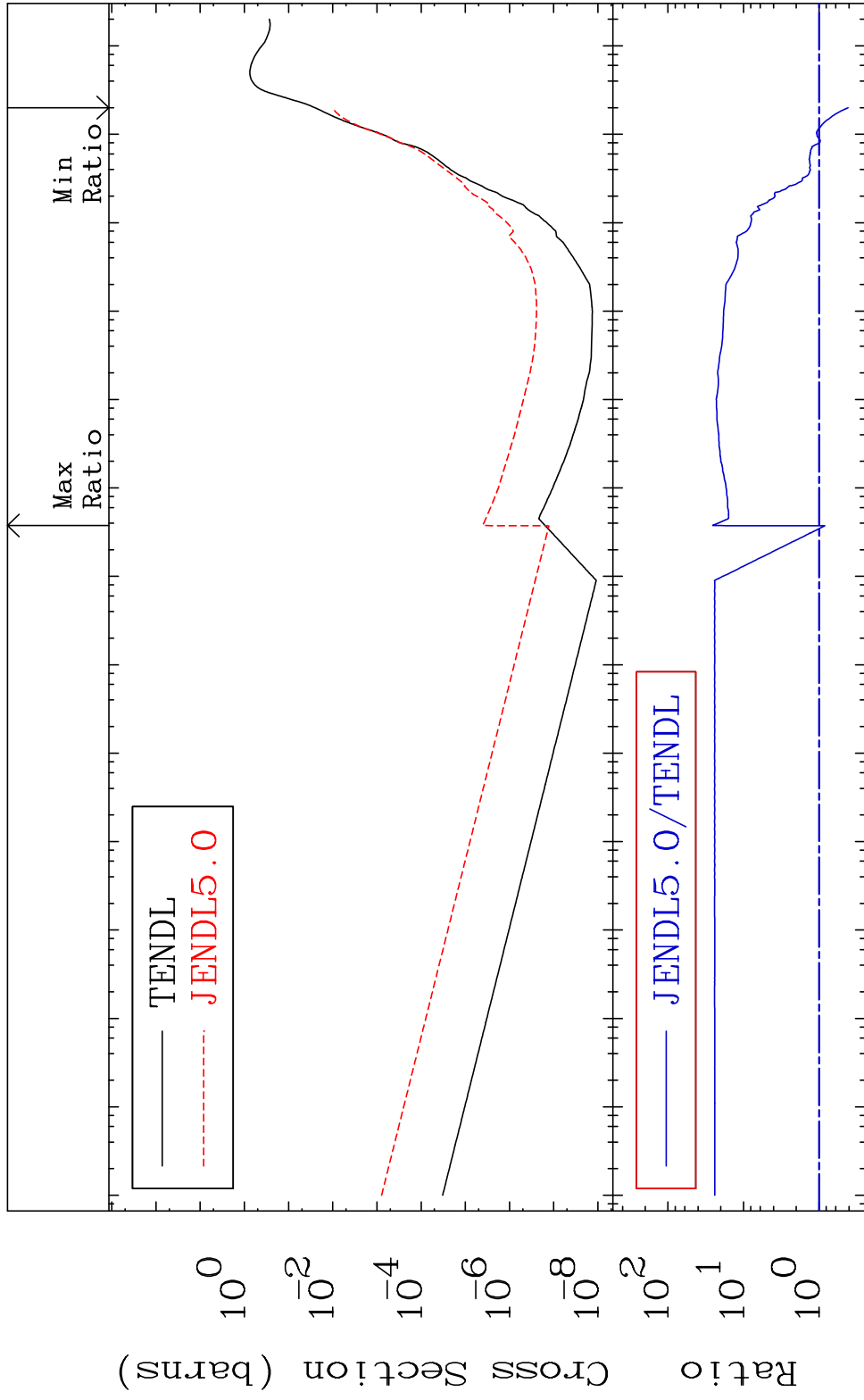


MAT 6031

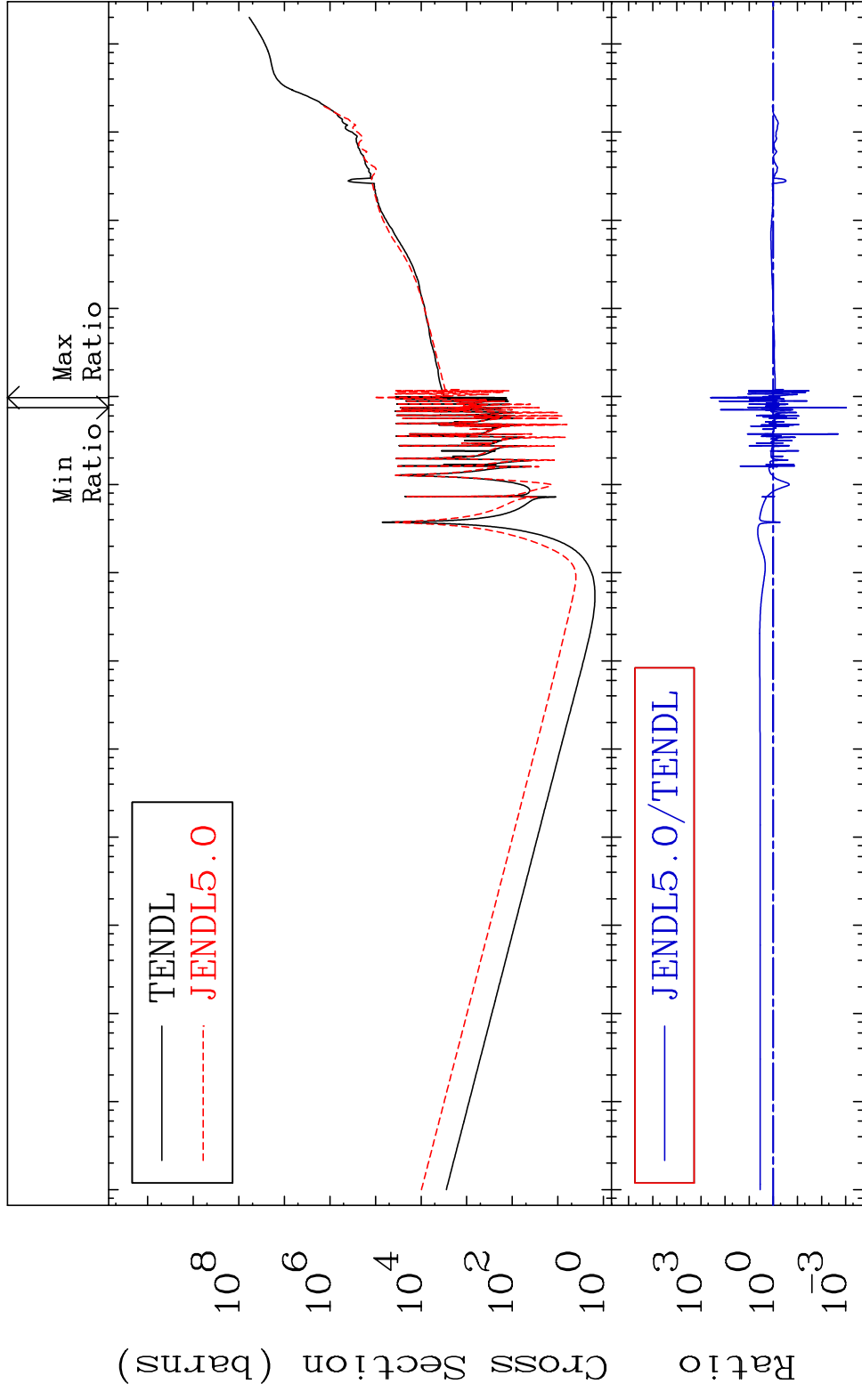
He-4 Production

60-Nd-144

Cross Section -59.13 To 2484. %



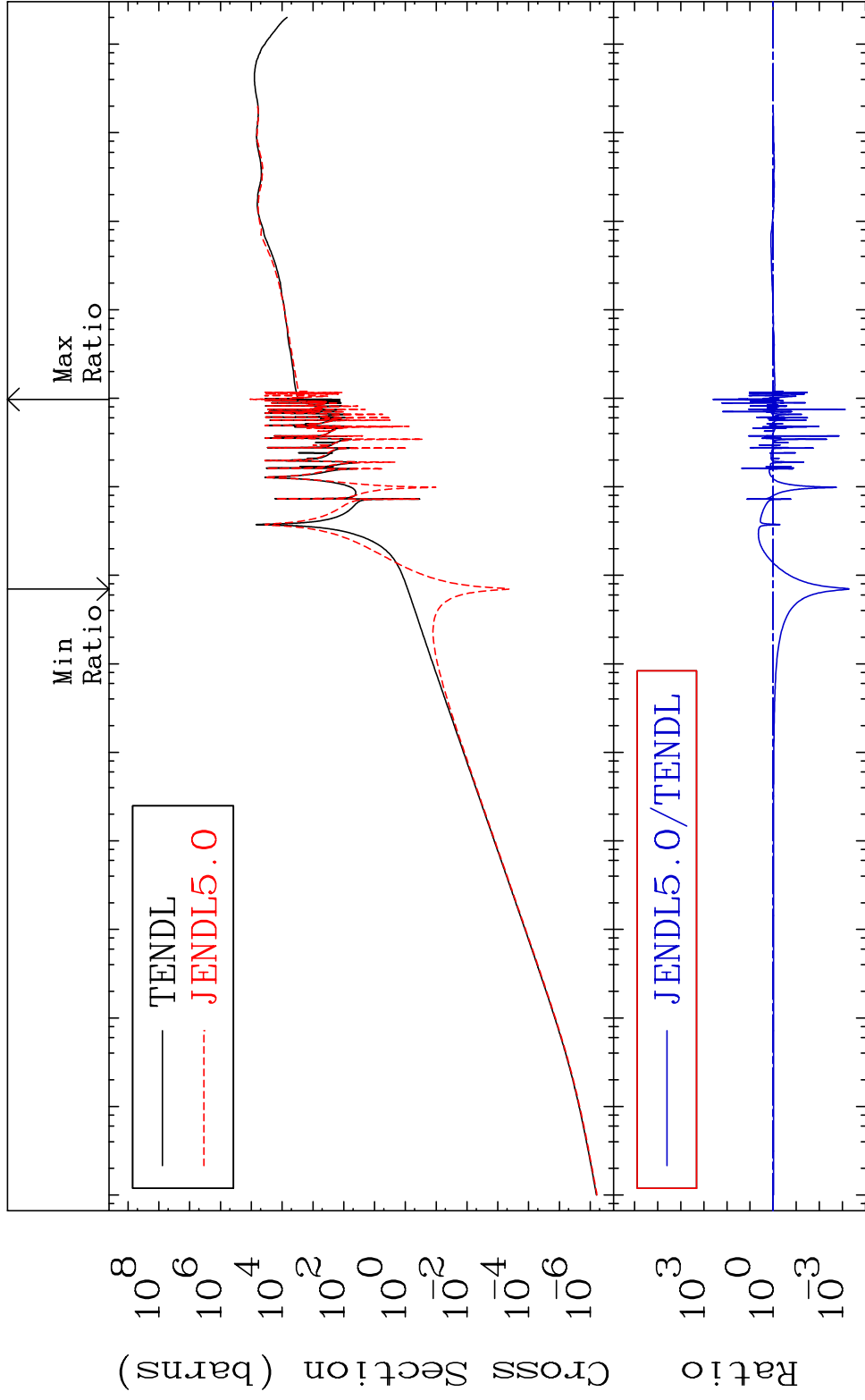
MAT 6031 Kerma total (eV-barns) 60-Nd-144
 Cross Section -99.91 To 9999. %



MAT 6031

Kerma elastic
Cross Section

60-Nd-144
-99.95 To 9999. %

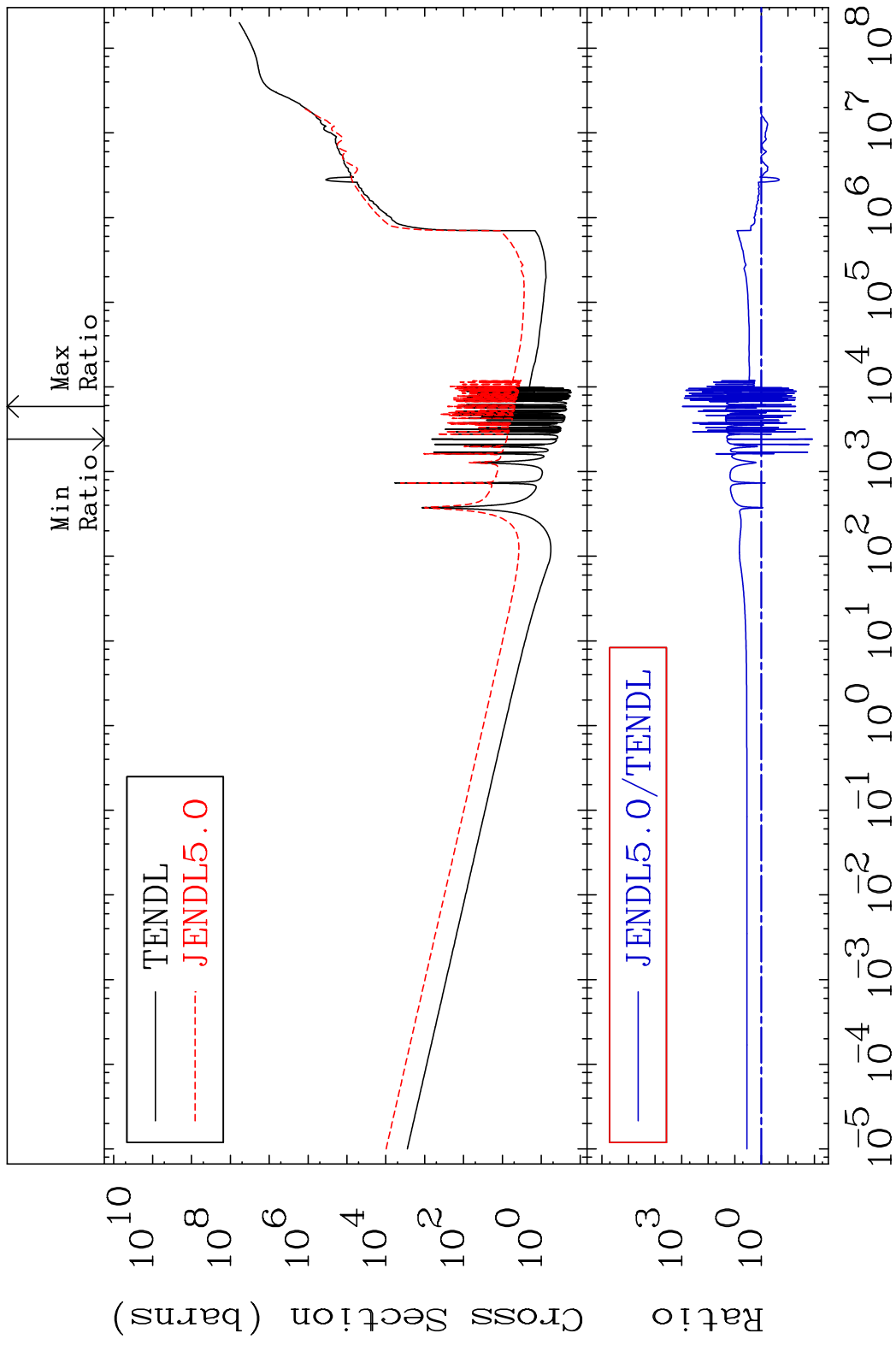


55

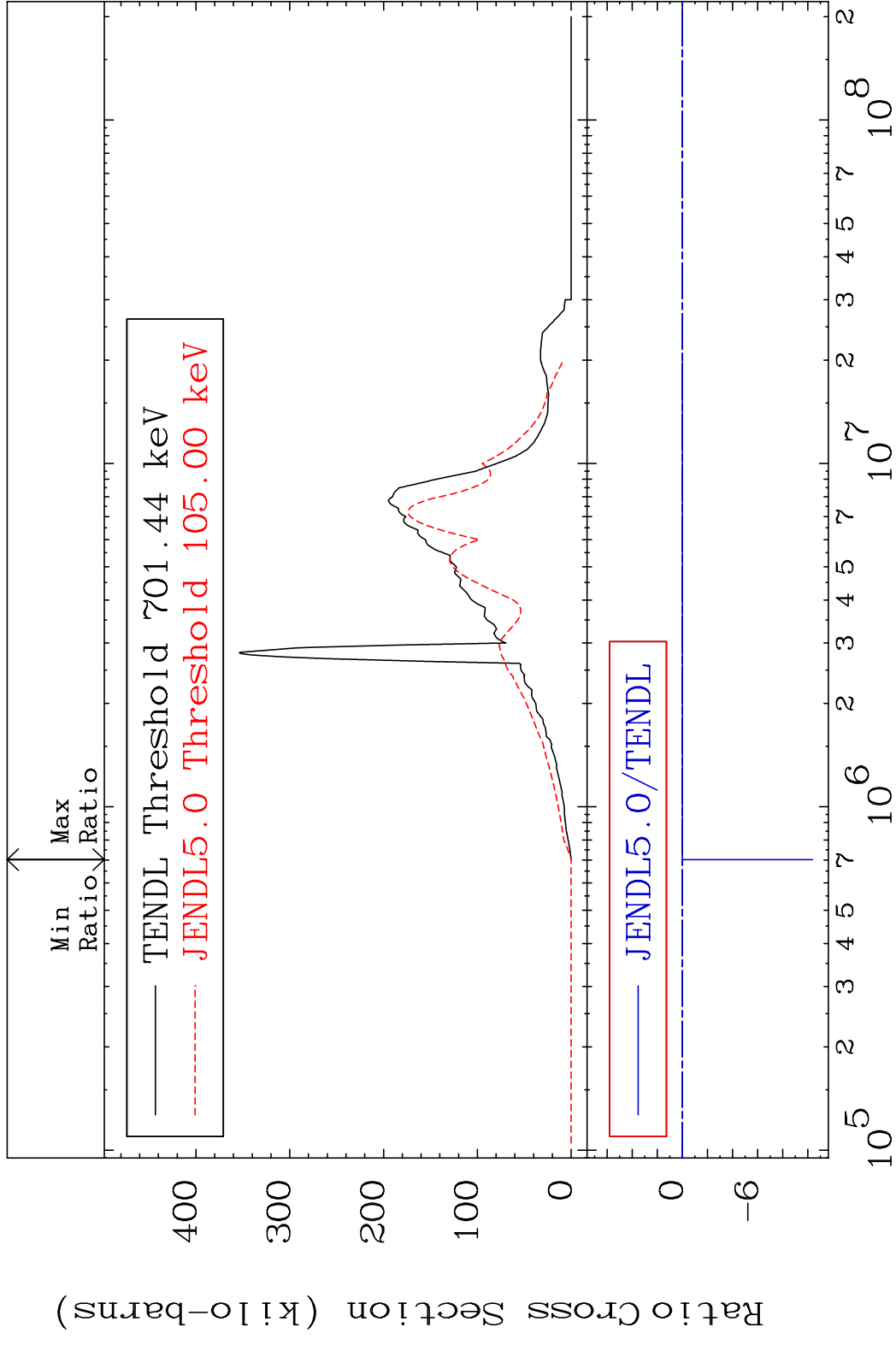
Incident Energy (eV)

60-Nd-144

MAT 6031 Kerma non-elastic (all but mt2) 60-Nd-144
 Cross Section -98.82 To 9999. %

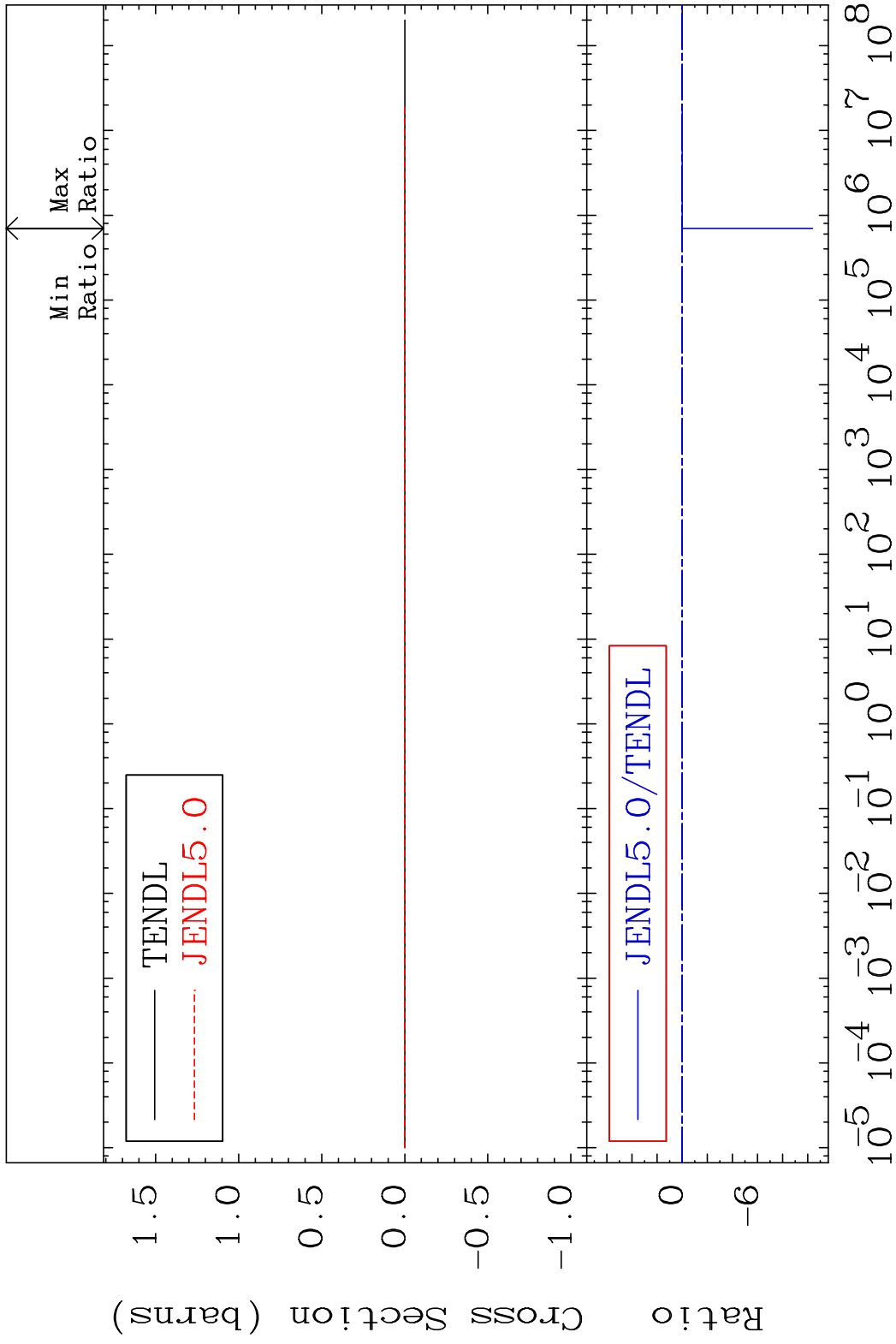


MAT 6031 Kerma inelastic (mt51-91) 60-Nd-144
 Cross Section -9999. To 9999. %



57 Incident Energy (eV) 60-Nd-144

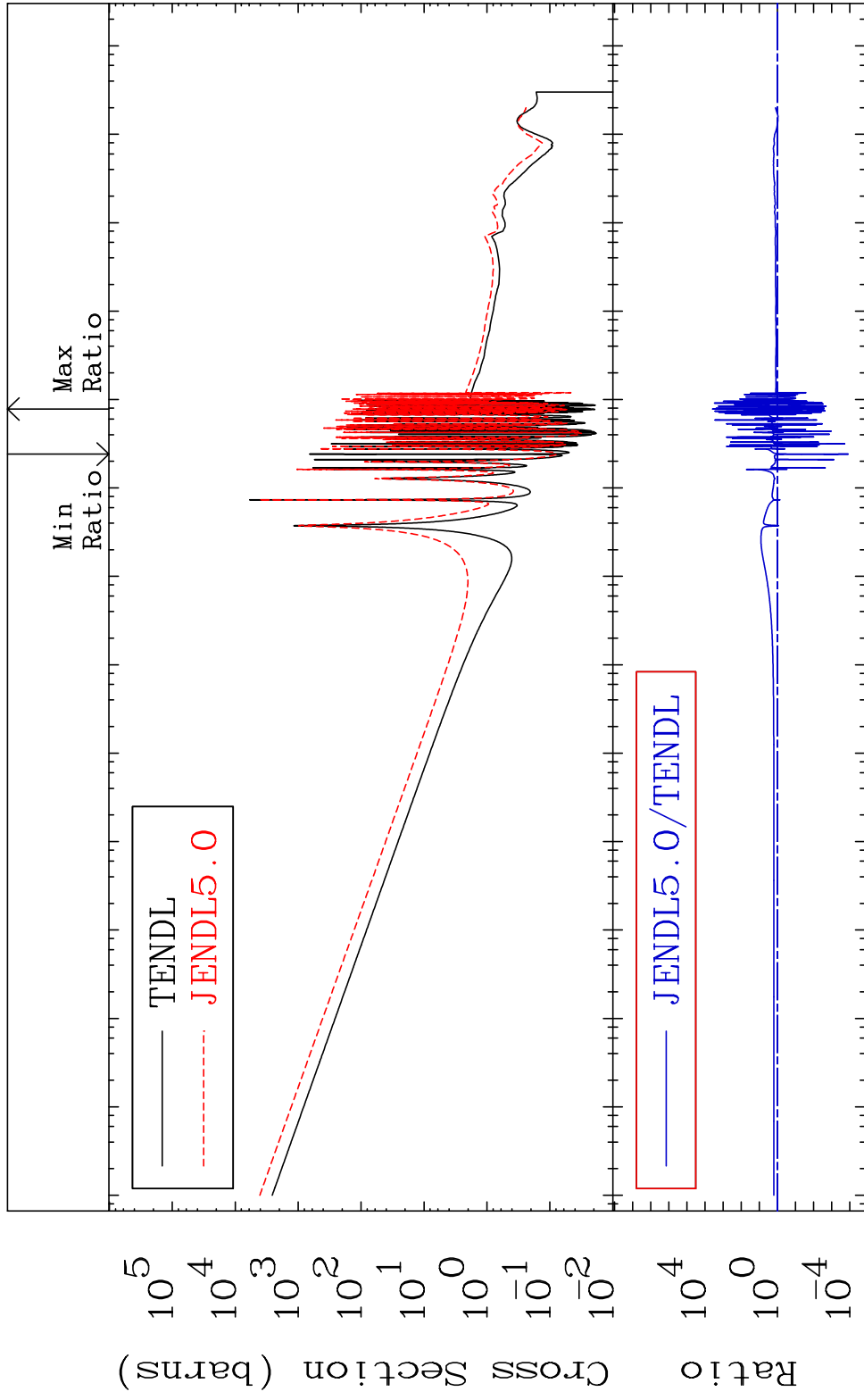
MAT 6031 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-144
 Cross Section -9999. To 9999. %



MAT 6031

Kerma capture (mt102) 60-Nd-144

Cross Section -99.99 To 9999. %

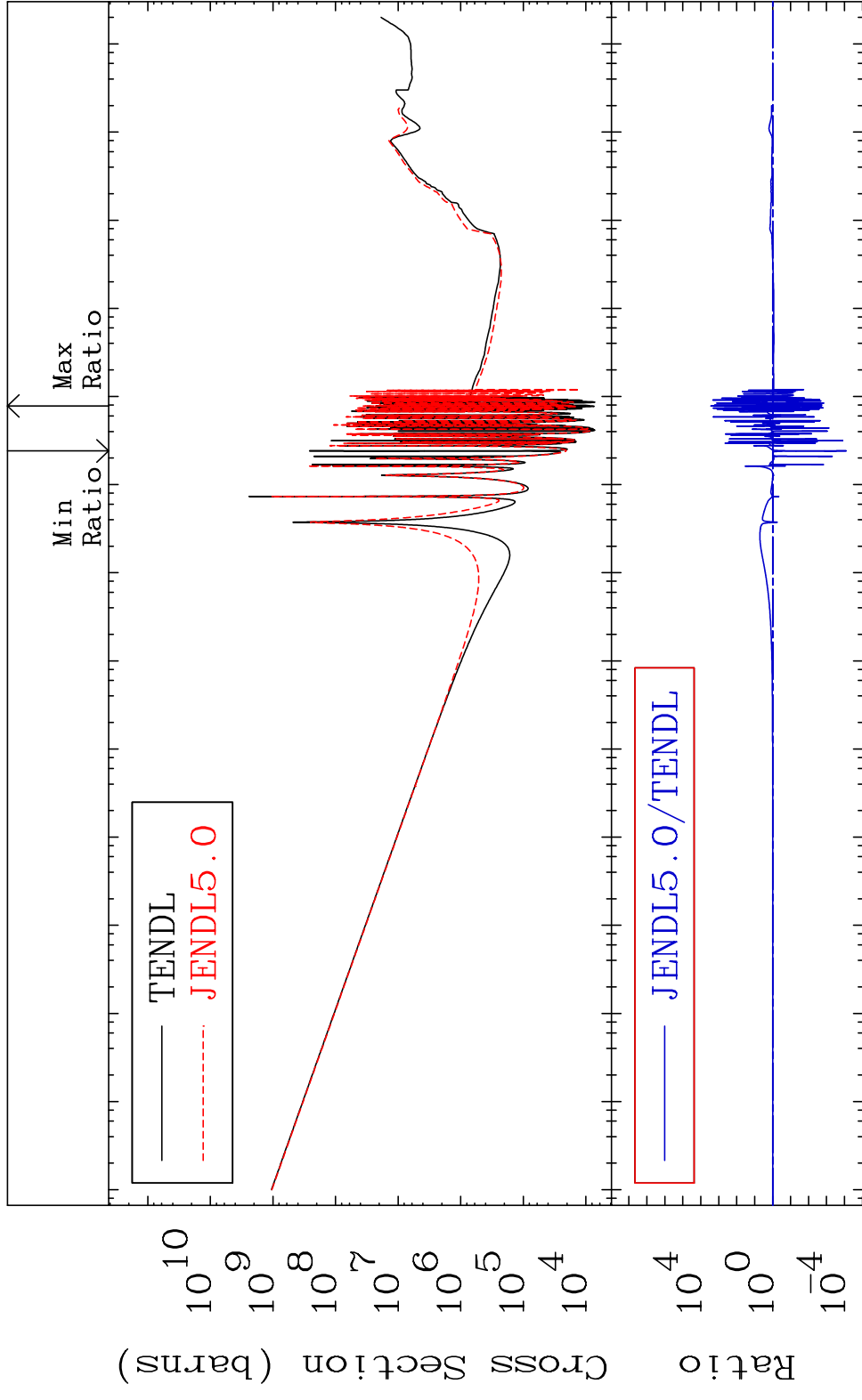


59

Incident Energy (eV)

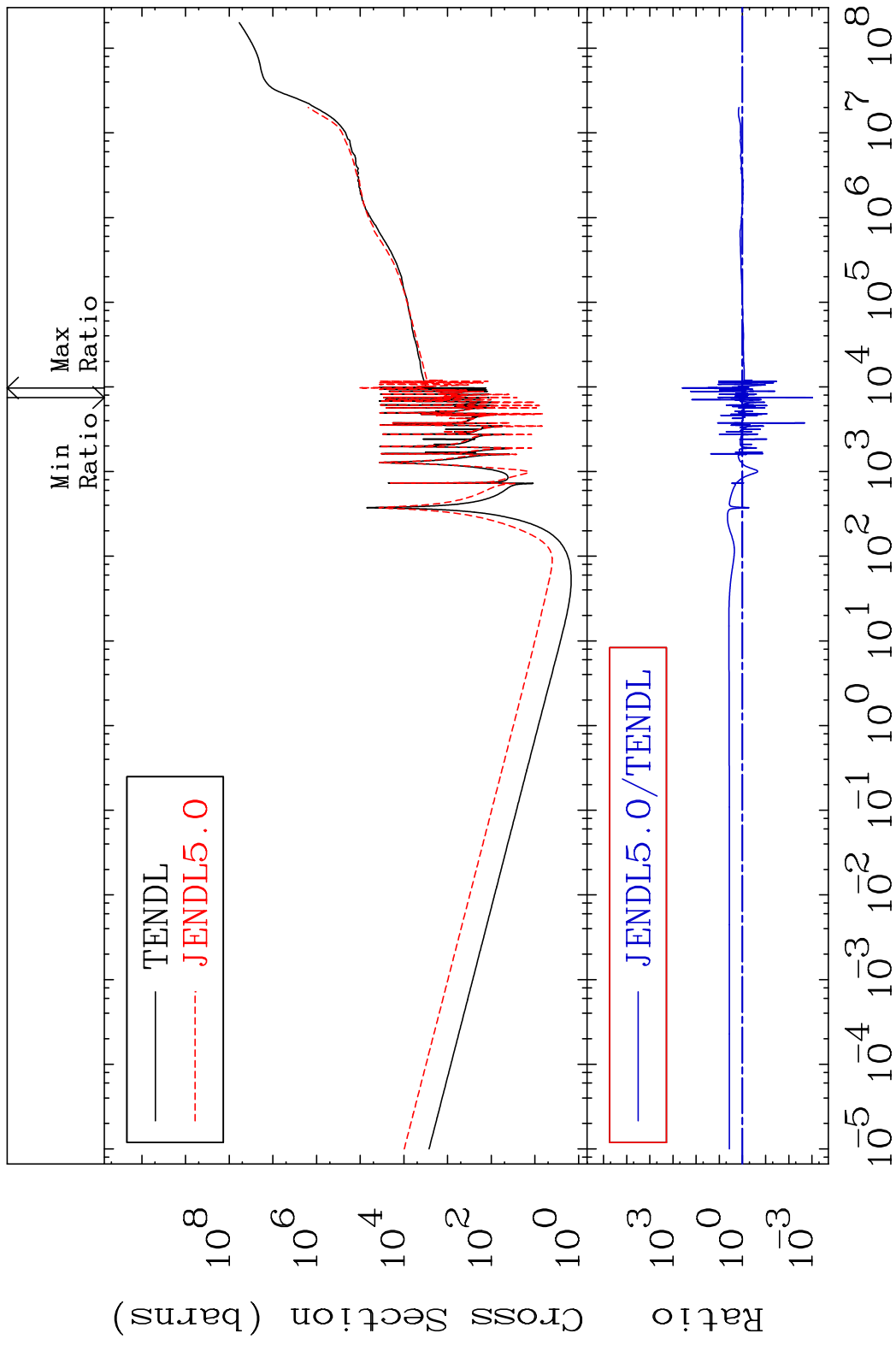
60-Nd-144

MAT 6031 Total photon (eV-barns) 60-Nd-144
Cross Section -99.99 To 9999. %

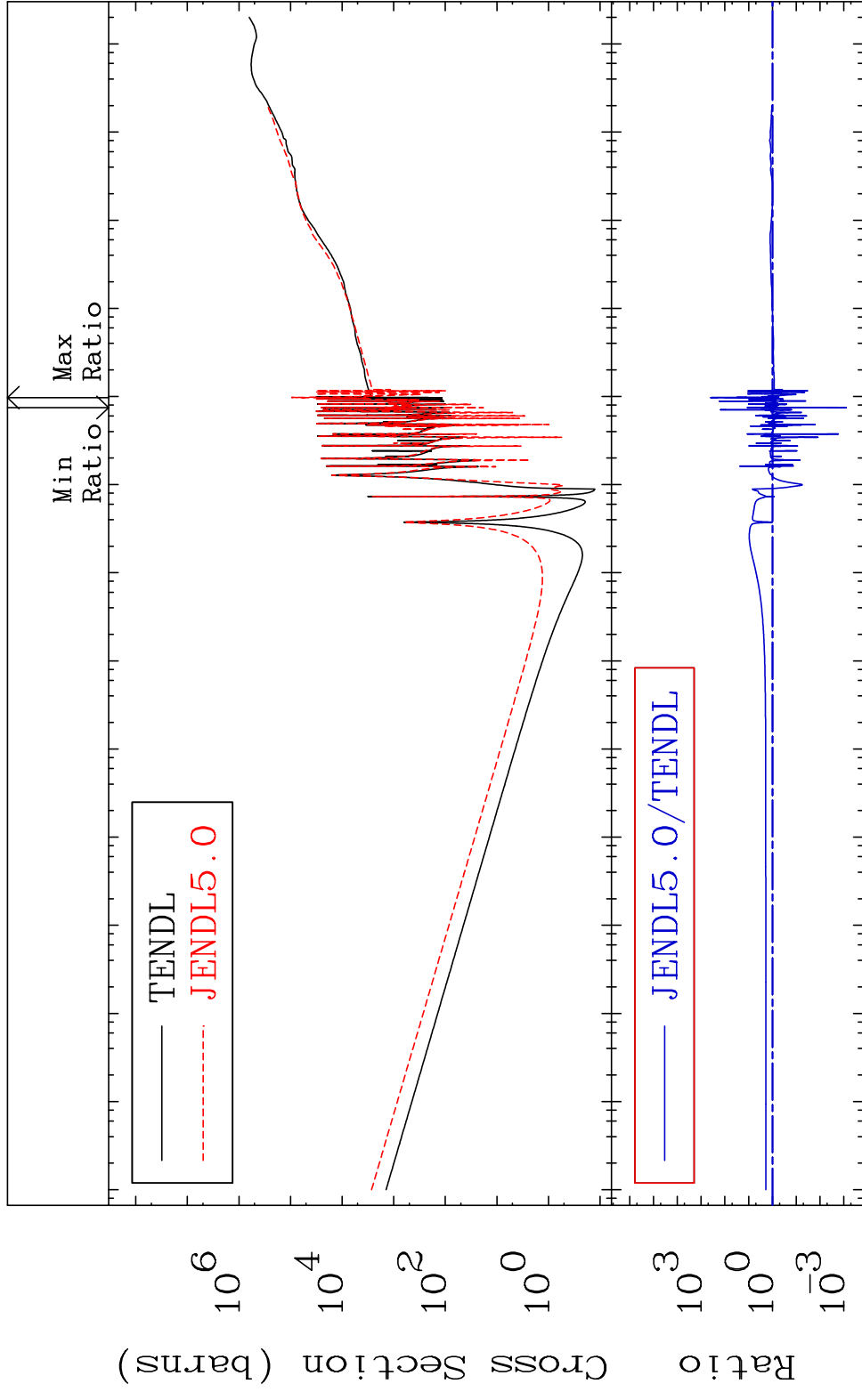


60 Incident Energy (eV) 60-Nd-144

MAT 6031 Total kinematic kerma (high limit) 60-Nd-144
 Cross Section -99.91 To 9999. %



MAT 6031 Dpa total (eV-barns) 60-Nd-144
 Cross Section -99.92 To 9999. %



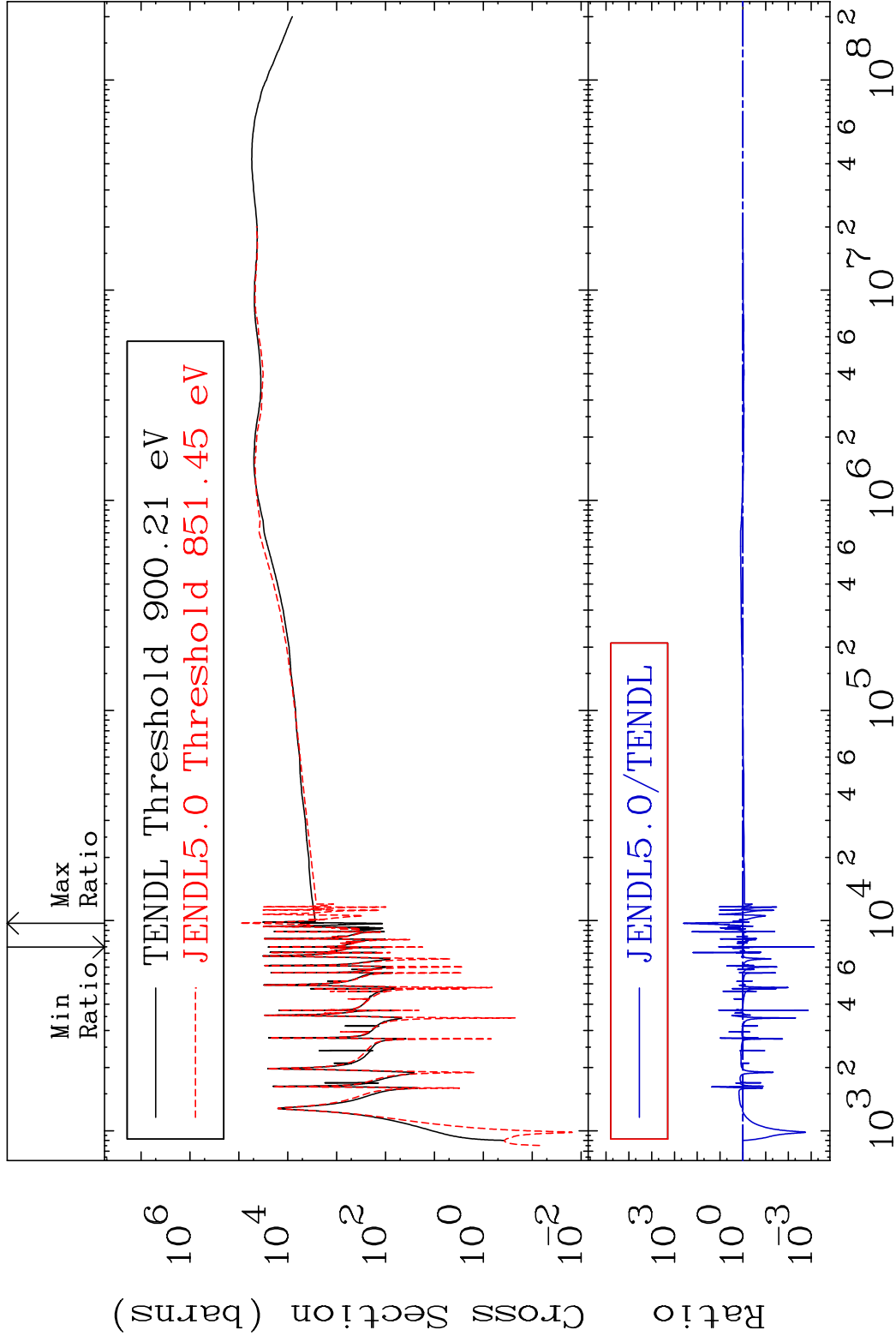
62 Incident Energy (eV) 60-Nd-144

MAT 6031

Dpa elastic (mt2)

60-Nd-144

Cross Section -99.93 To 9999. %

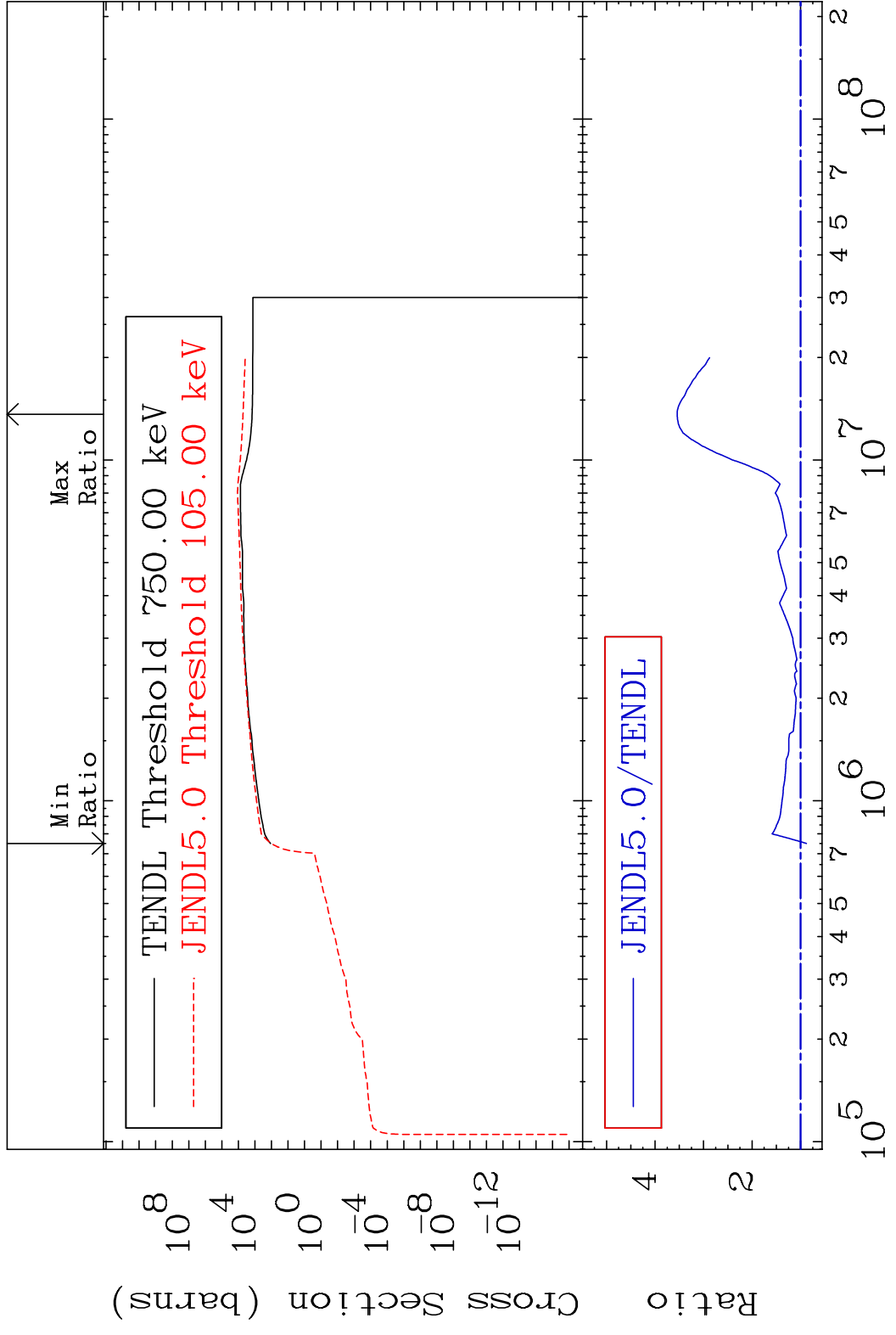


63

Incident Energy (eV)

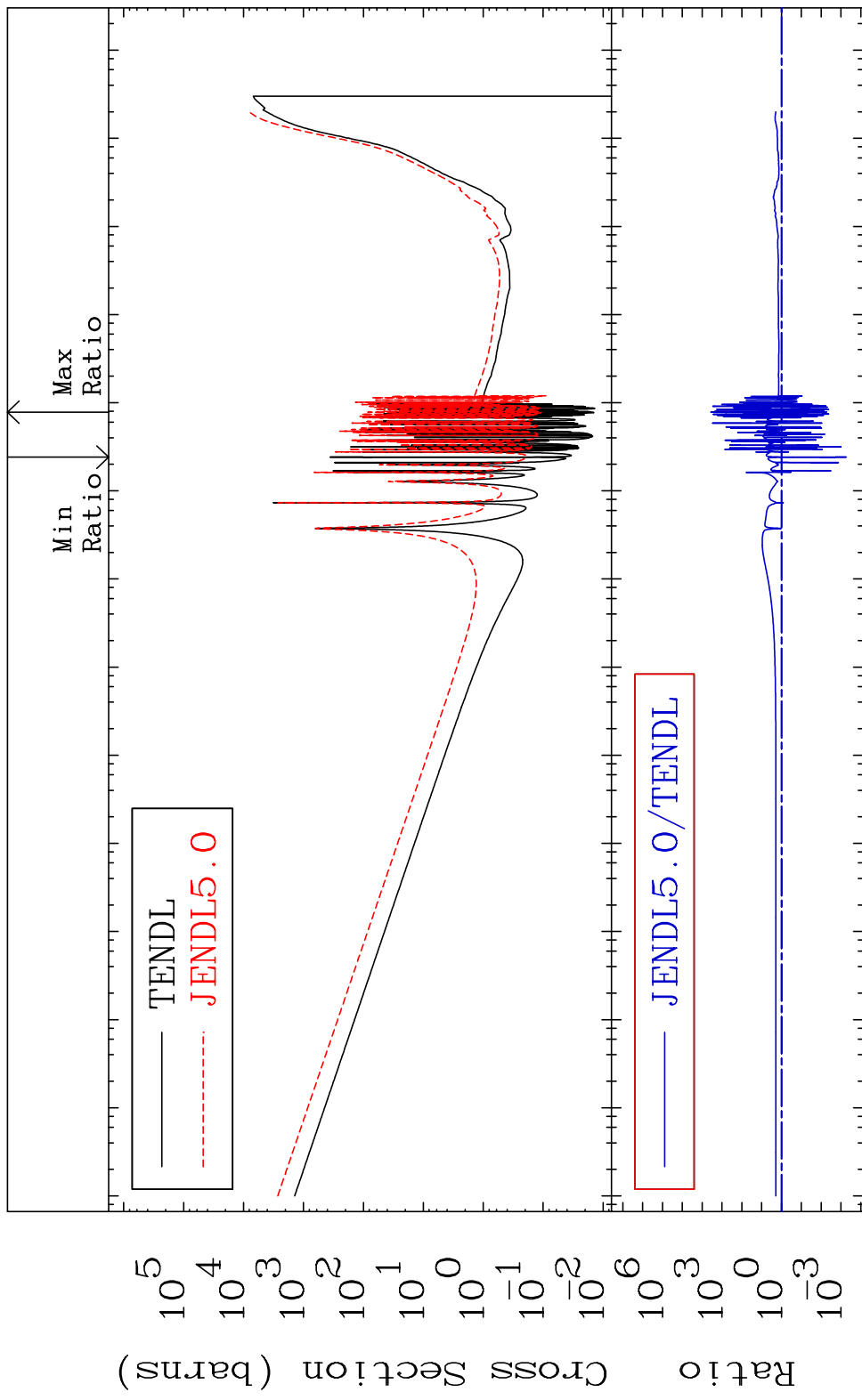
60-Nd-144

MAT 6031 Dpa inelastic (mt51-91) 60-Nd-144
 Cross Section -11.93 To 254.4 %



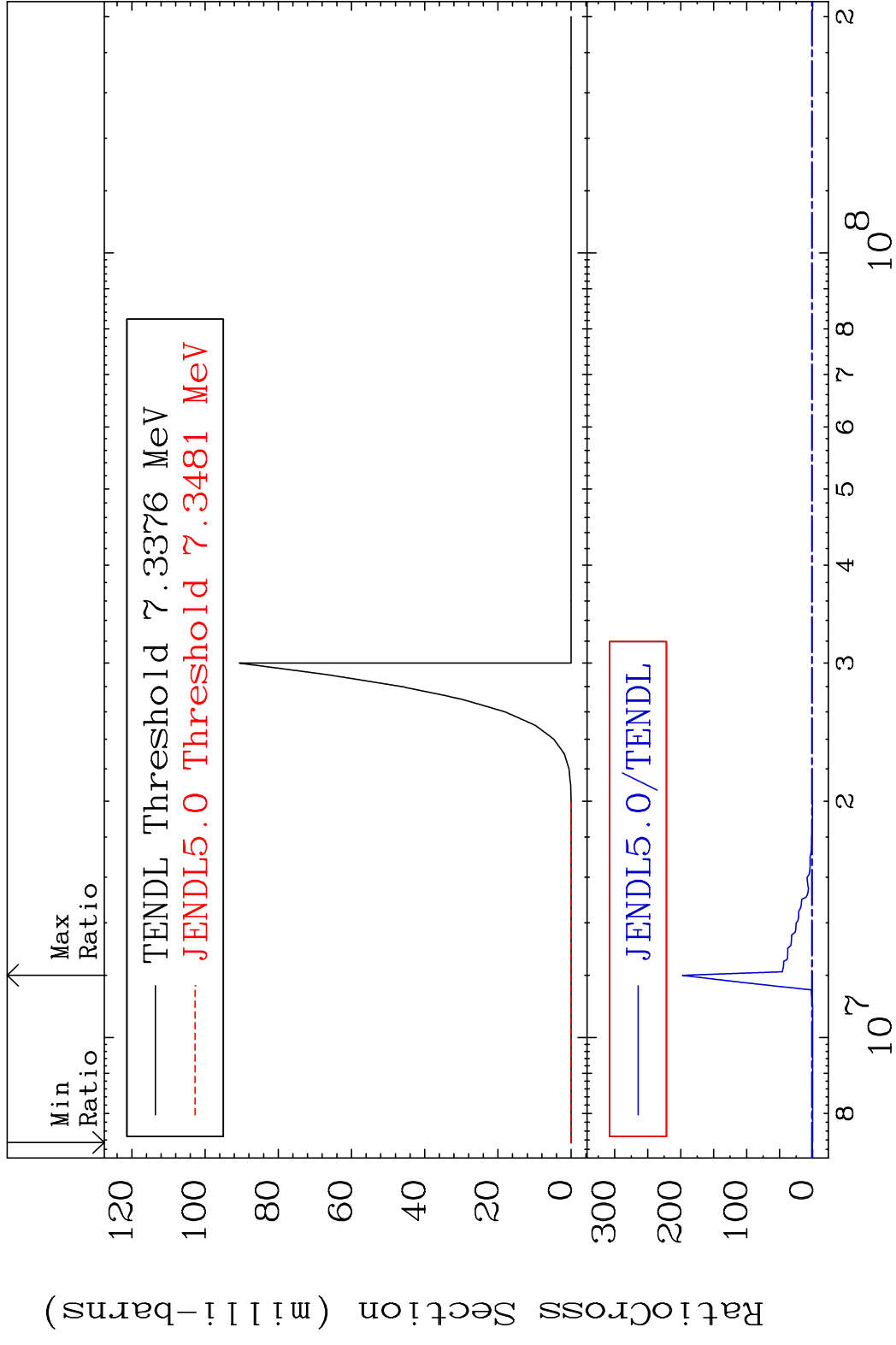
64 Incident Energy (eV) 60-Nd-144

MAT 6031 Dpa disappearance (mt102 -120) 60-Nd-144
 Cross Section -99.95 To 9999. %

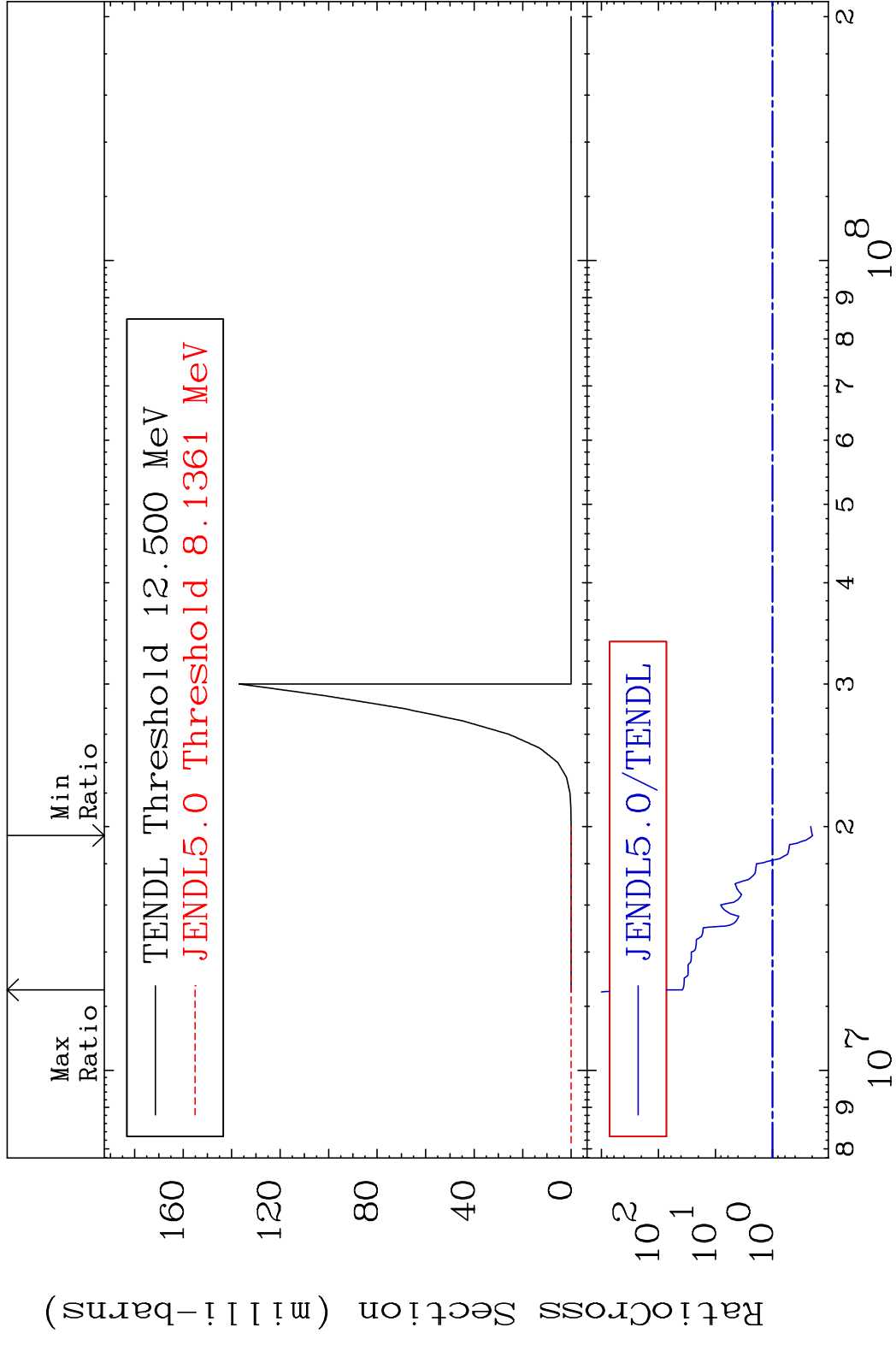


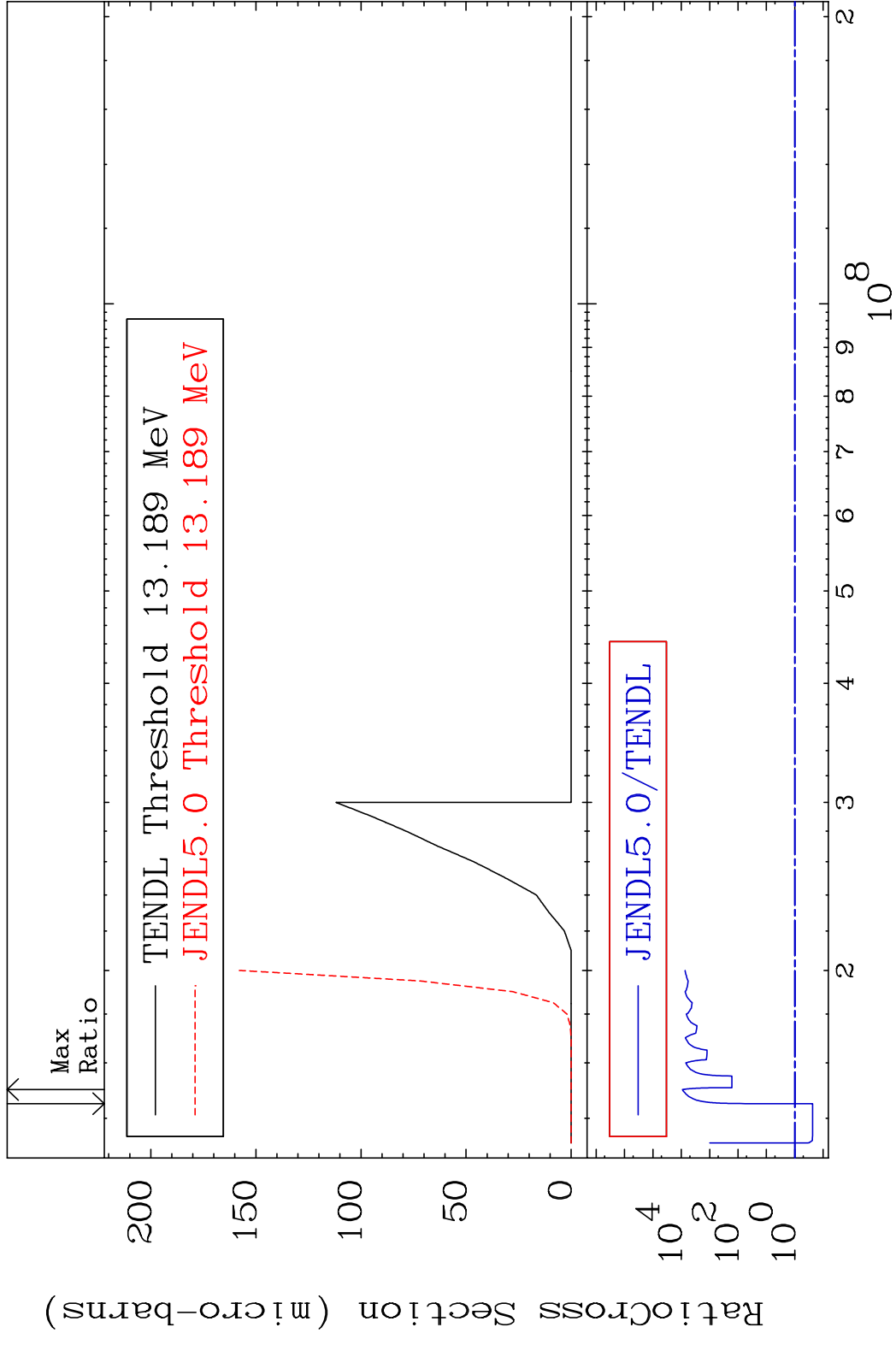
65 Incident Energy (eV) 60-Nd-144

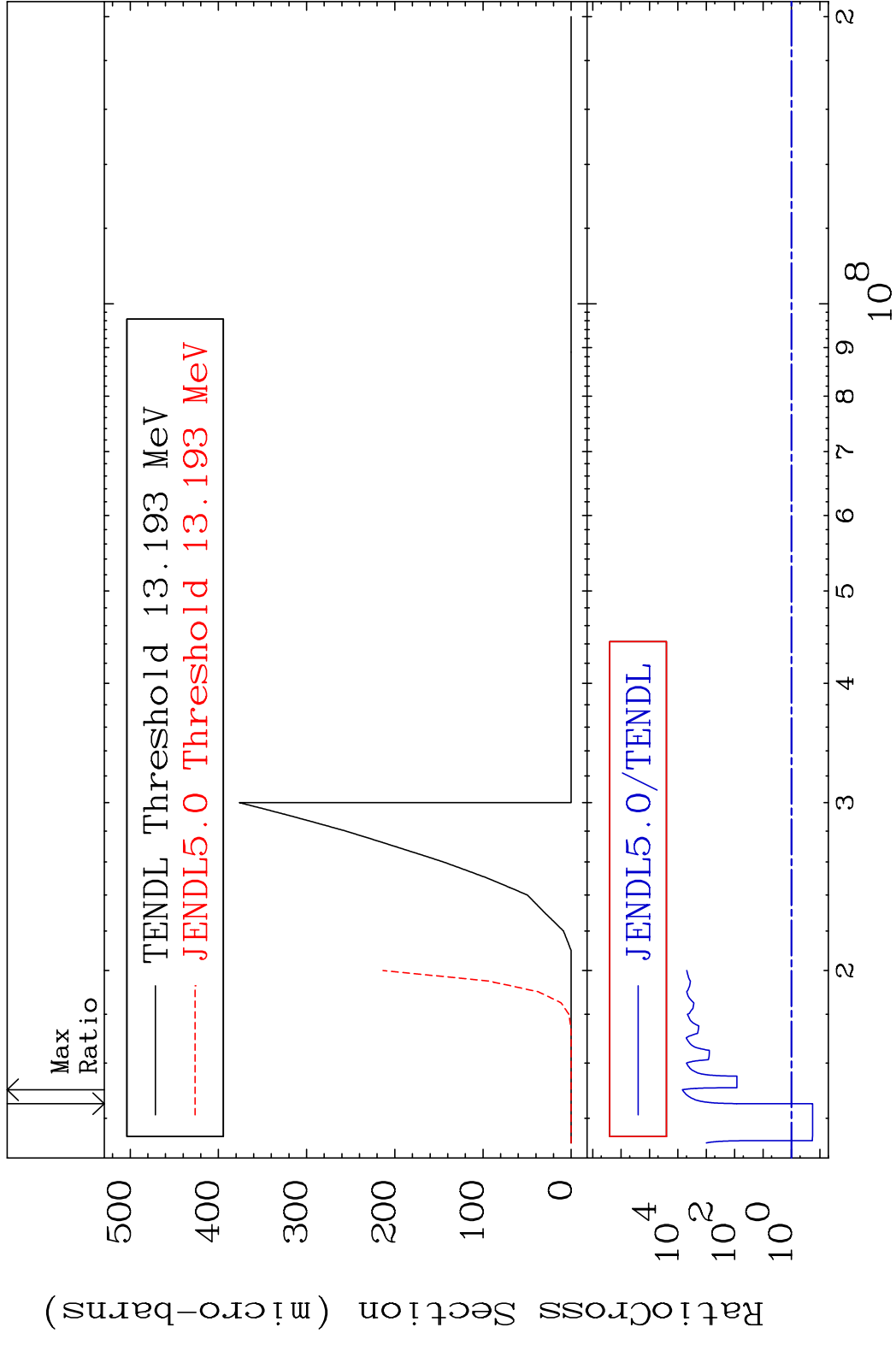
MAT 6031 (n,2n) α :58-Ce-139g 60-Nd-144
 Radionuclide Production Cross Section Ratio 9999. %

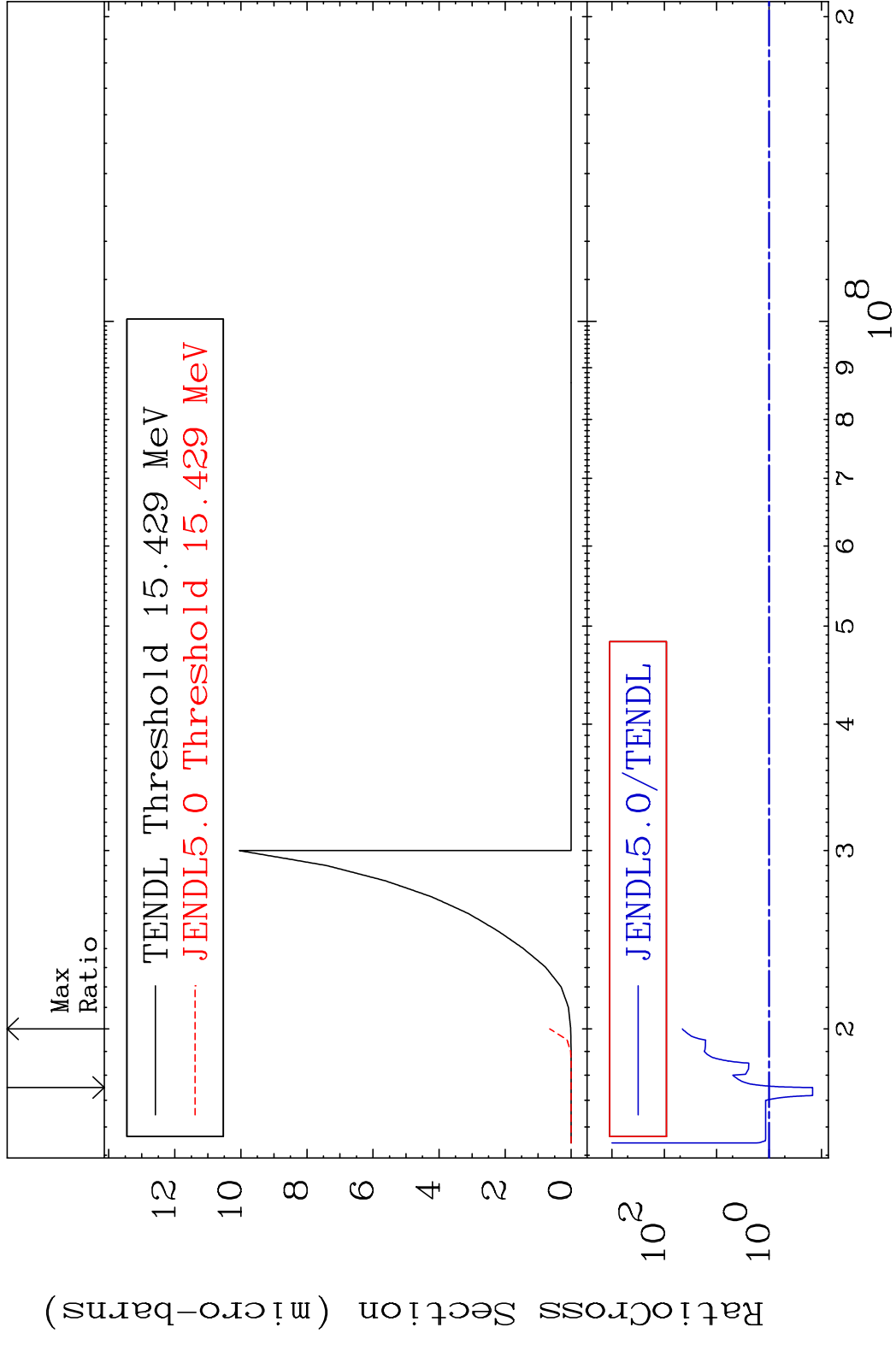


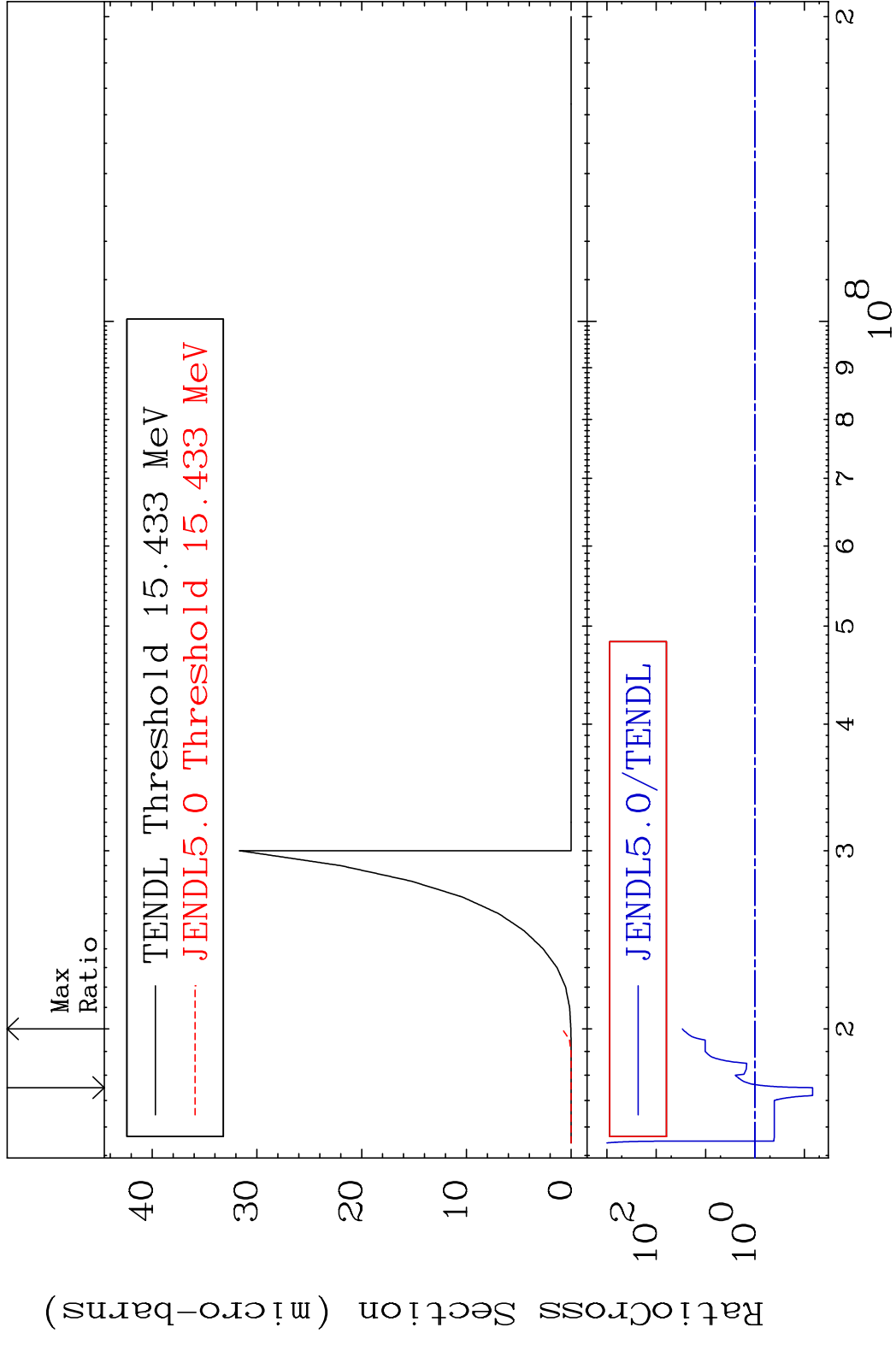
MAT 6031 (n,2n) α :58-Ce-139m2 60-Nd-144
 Radionuclide Production Cross Section 3700. %

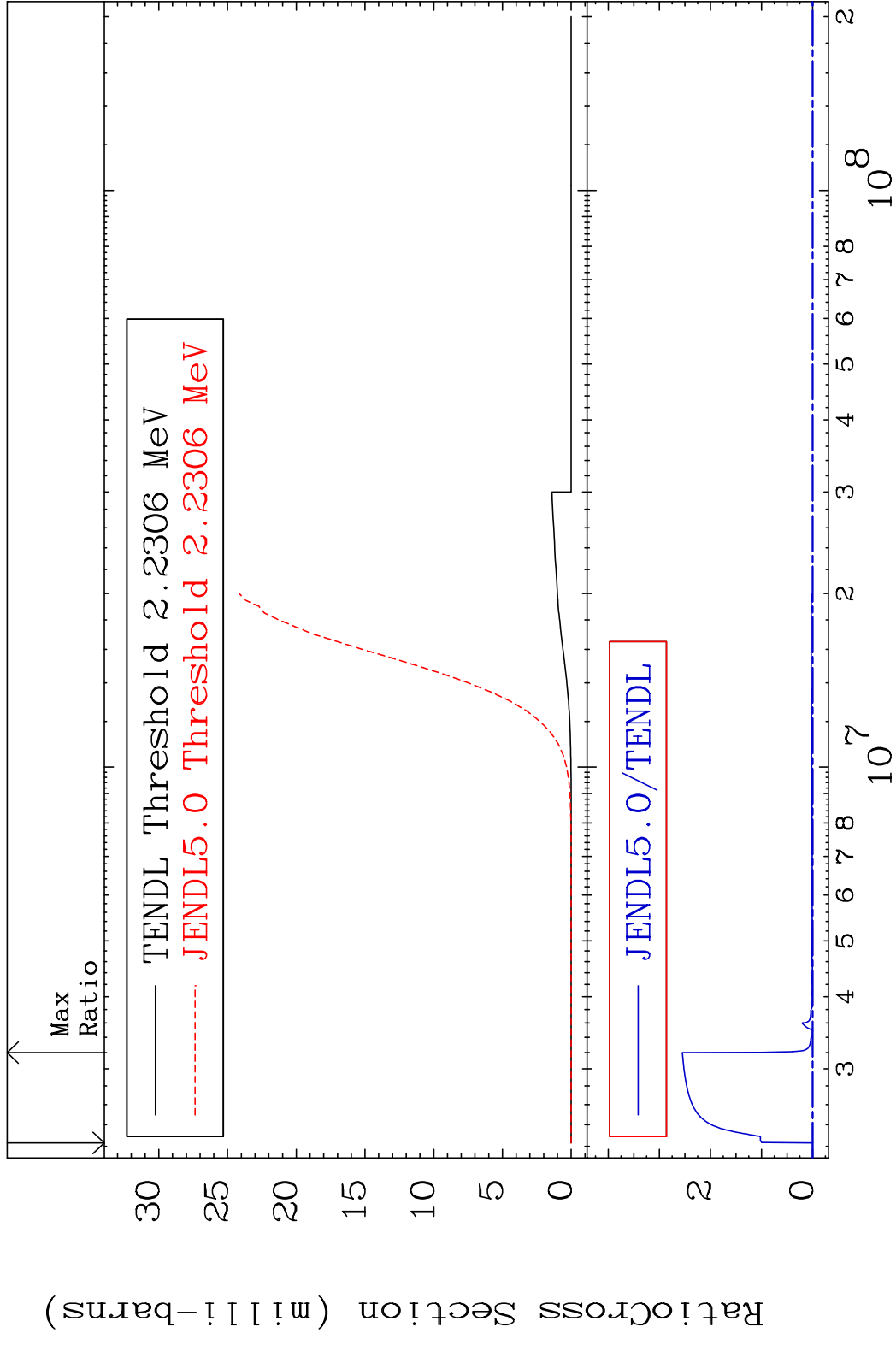


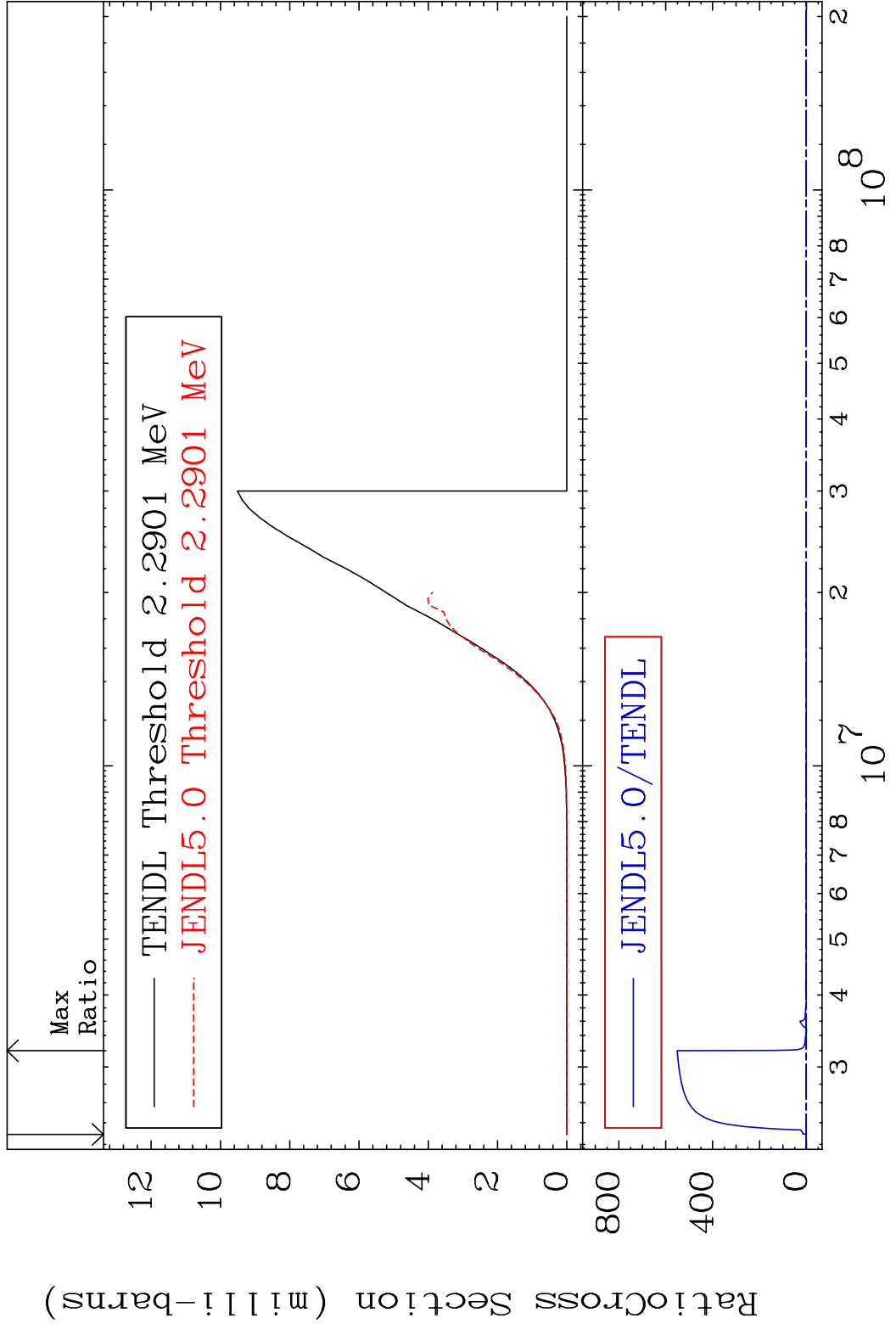




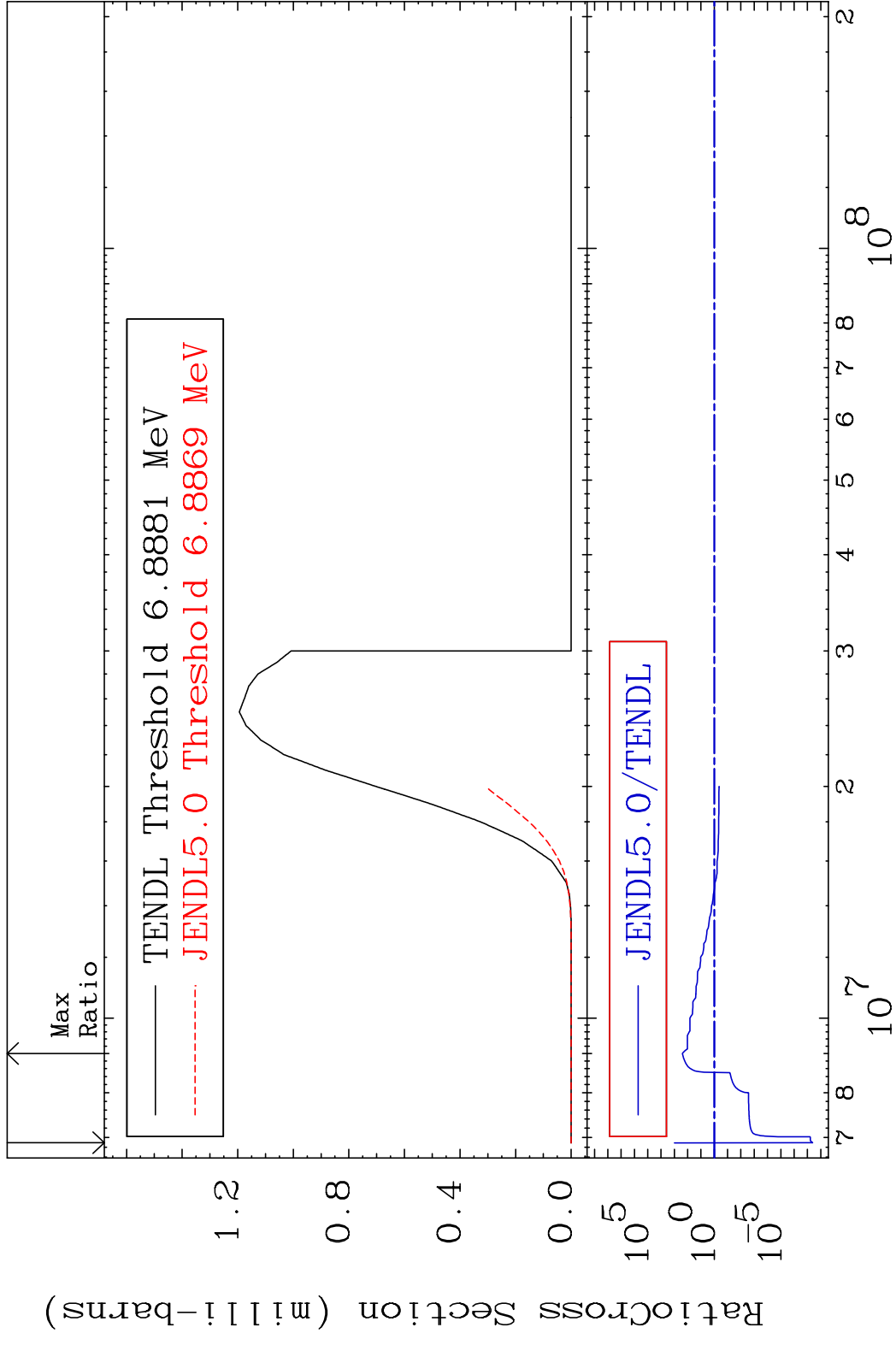




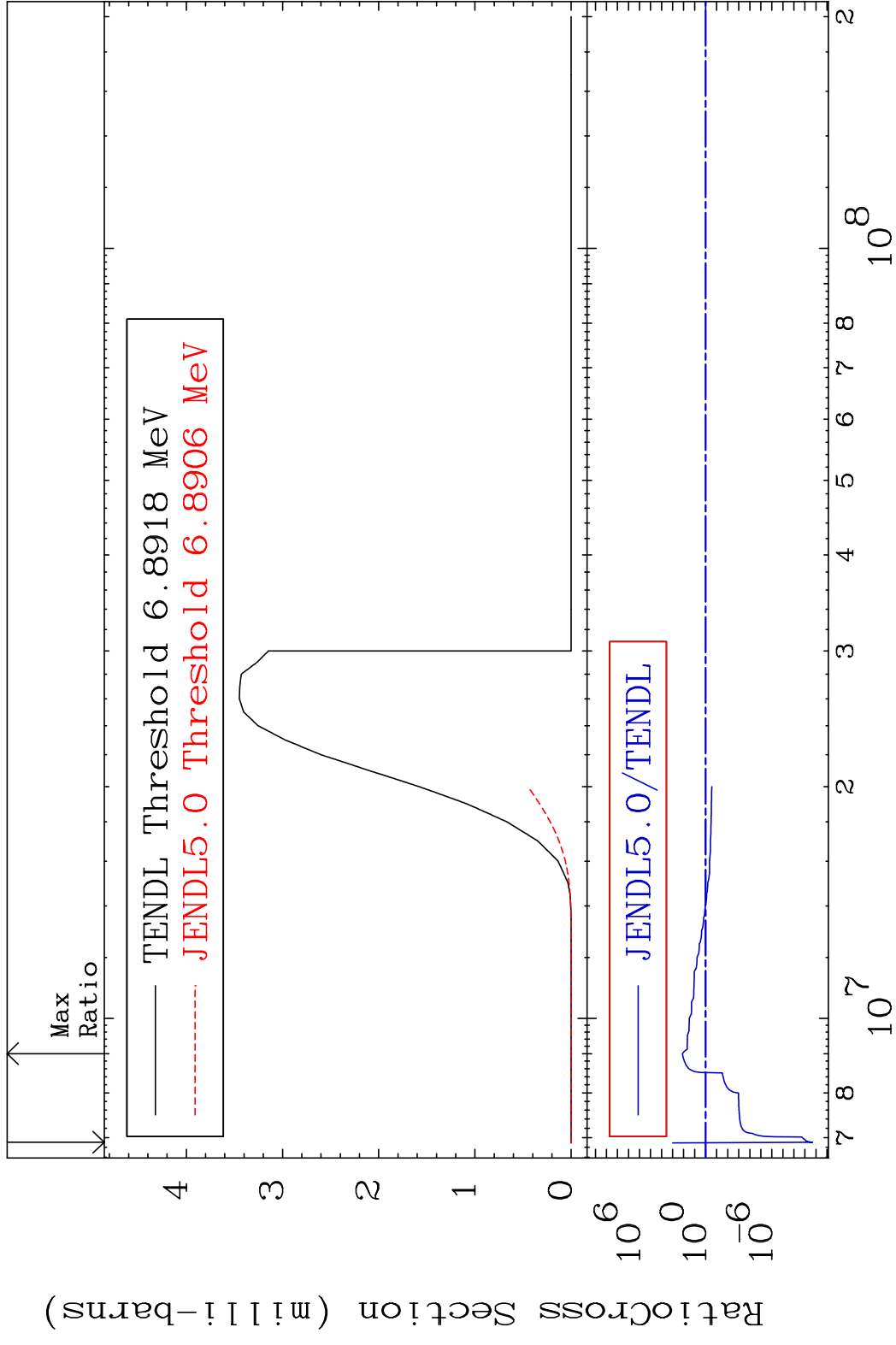




MAT 6031 (n,t):59-Pr-142g 60-Nd-144
 Radionuclide Production Cross Section to 9999. %



MAT 6031 (n, t):59-Pr-142m1 60-Nd-144
 Radionuclide Production Cross Section 100.00 %
 100.00 %



75 Incident Energy (eV) 60-Nd-144