

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

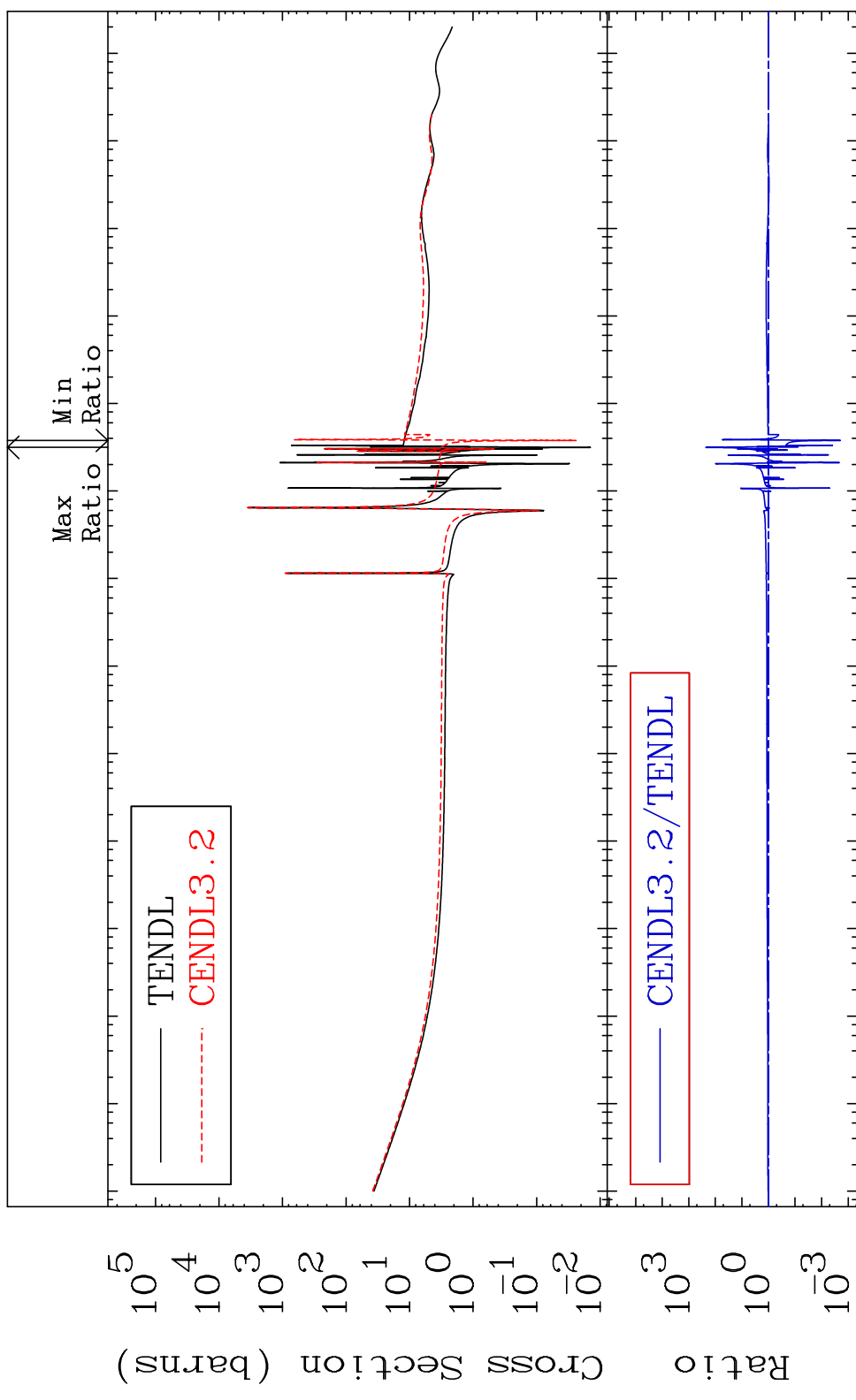
MAT 5449

Total

54-Xe-132

Cross Section

-99.80 To 9999. %



1

Incident Energy (eV)

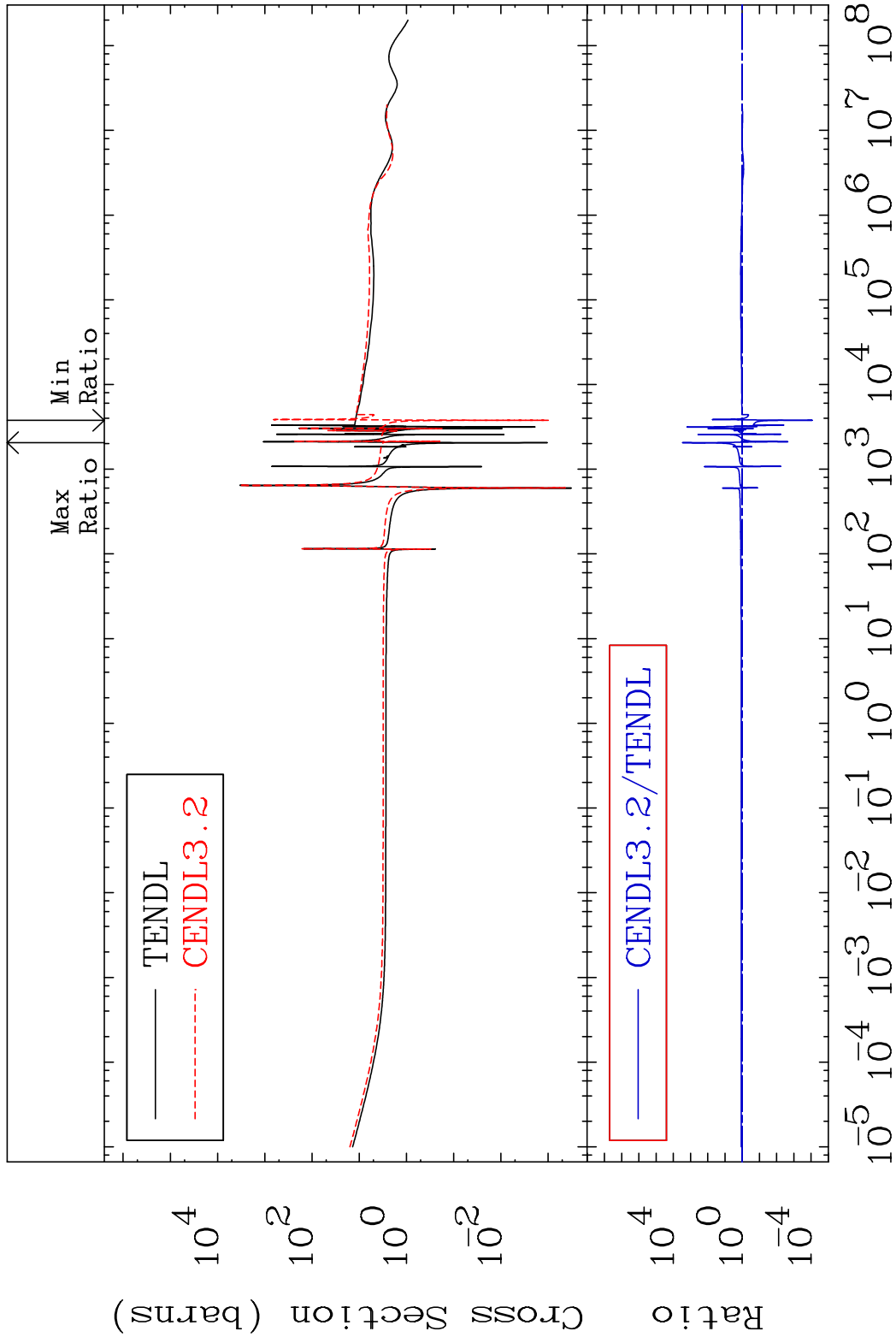
54-Xe-132

MAT 5449

Elastic

54-Xe-132

Cross Section -99.99 To 9999. %



2

Incident Energy (eV)

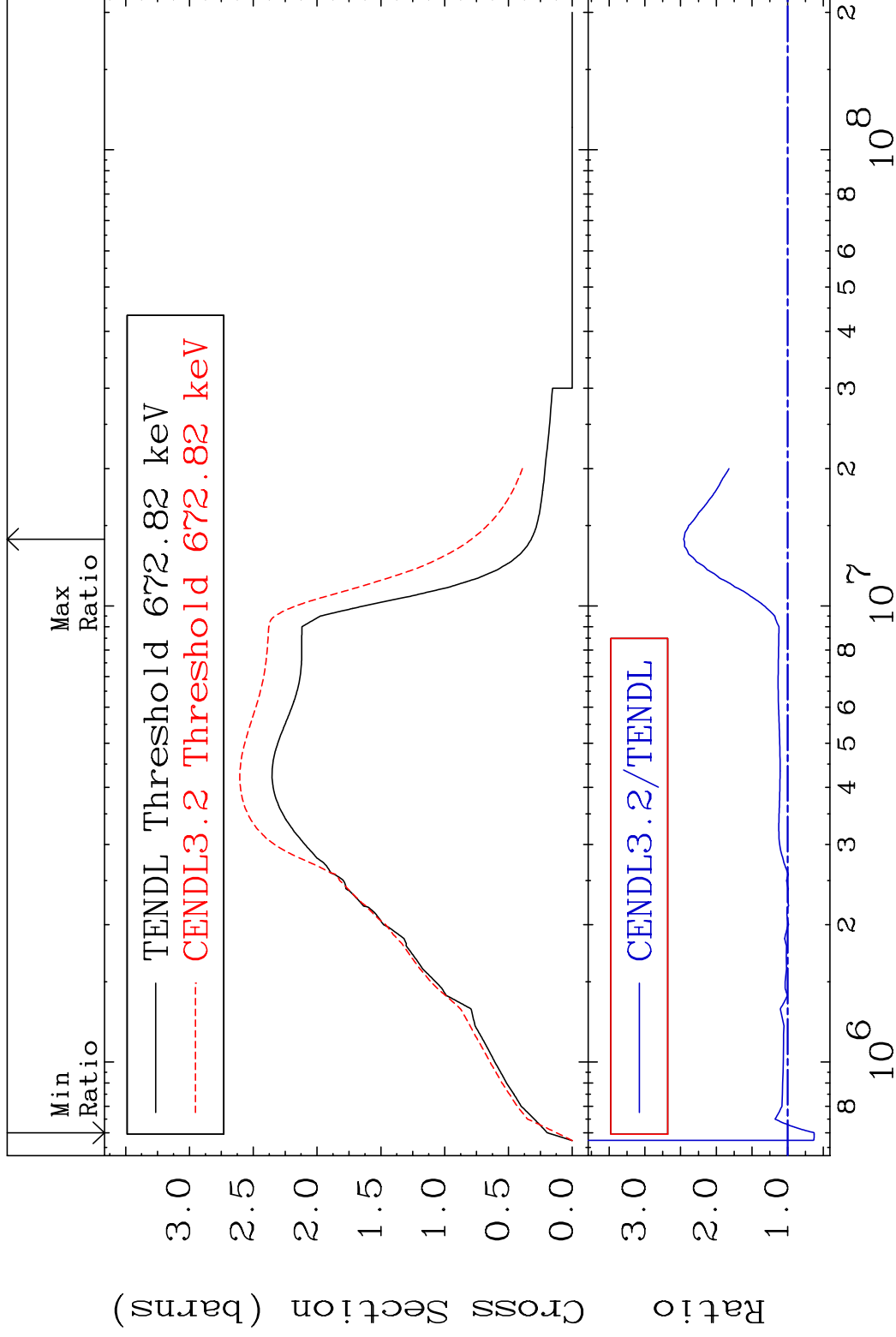
54-Xe-132

MAT 5449

Inelastic

54-Xe-132

Cross Section -36.98 To 145.7 %



3

Incident Energy (eV)

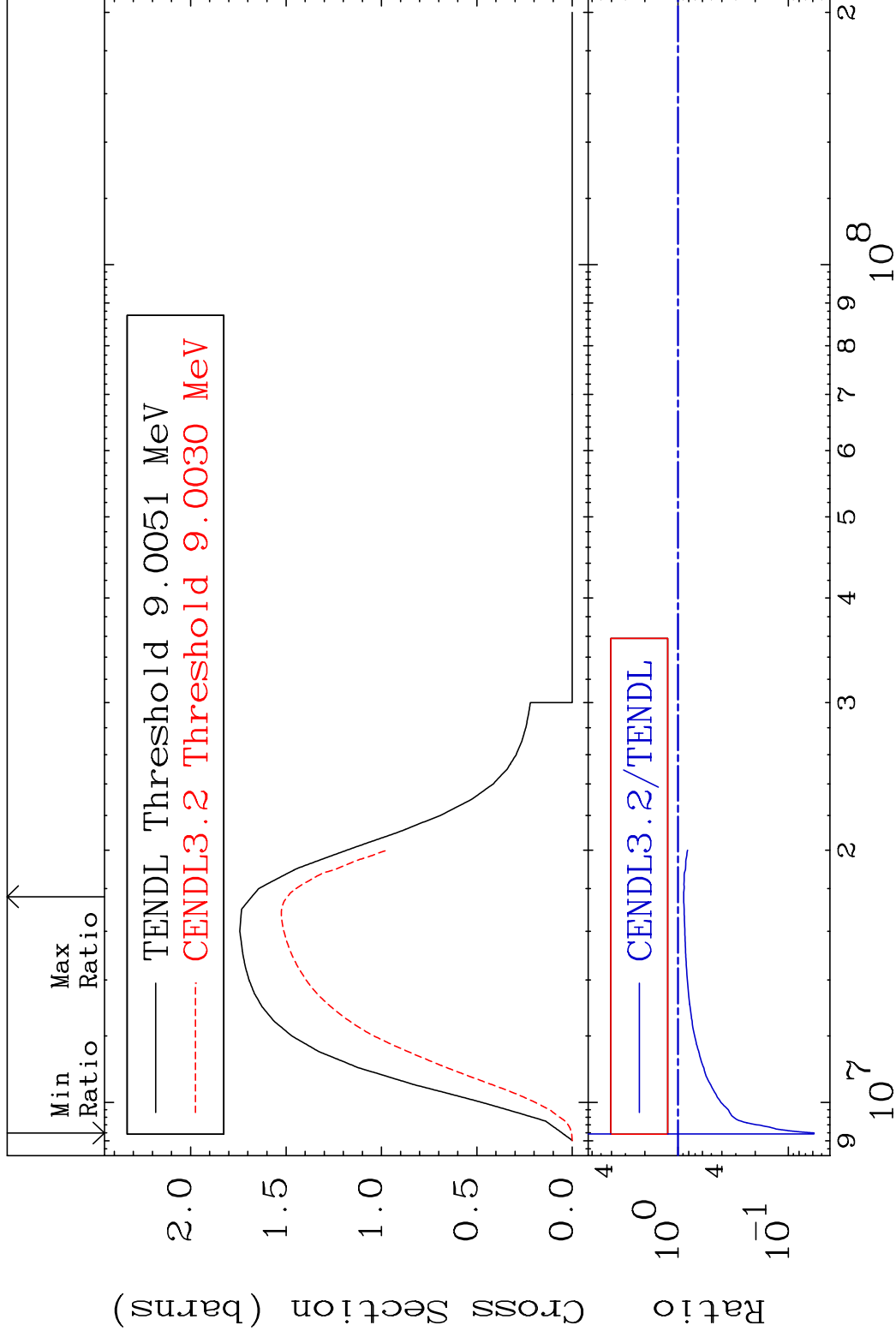
54-Xe-132

MAT 5449

(n,2n)

54-Xe-132

Cross Section -94.15 To -11.09%



4

Incident Energy (eV)

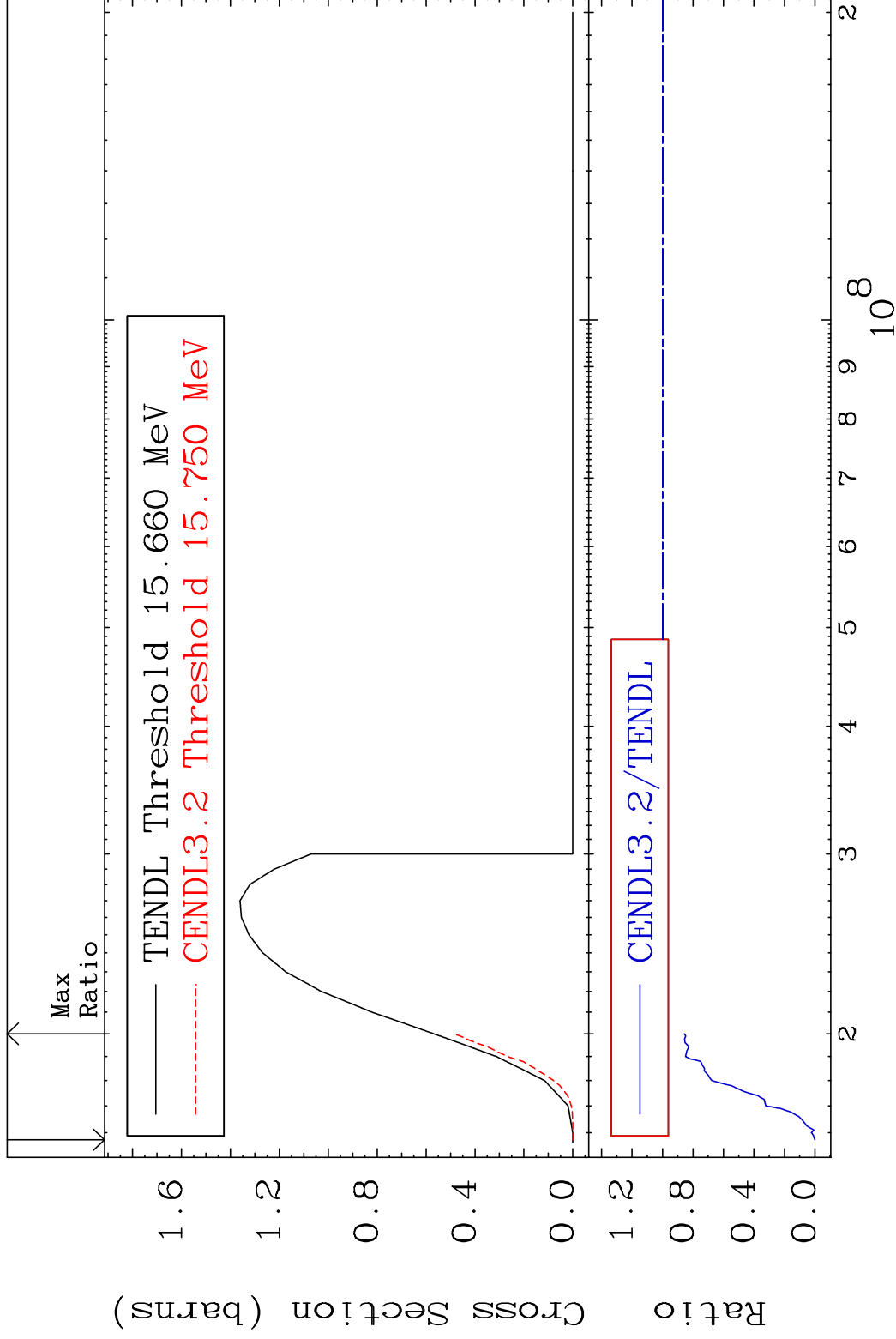
54-Xe-132

MAT 5449

(n,3n)

54-Xe-132

Cross Section -100.0 To -14.30%



5

Incident Energy (eV)

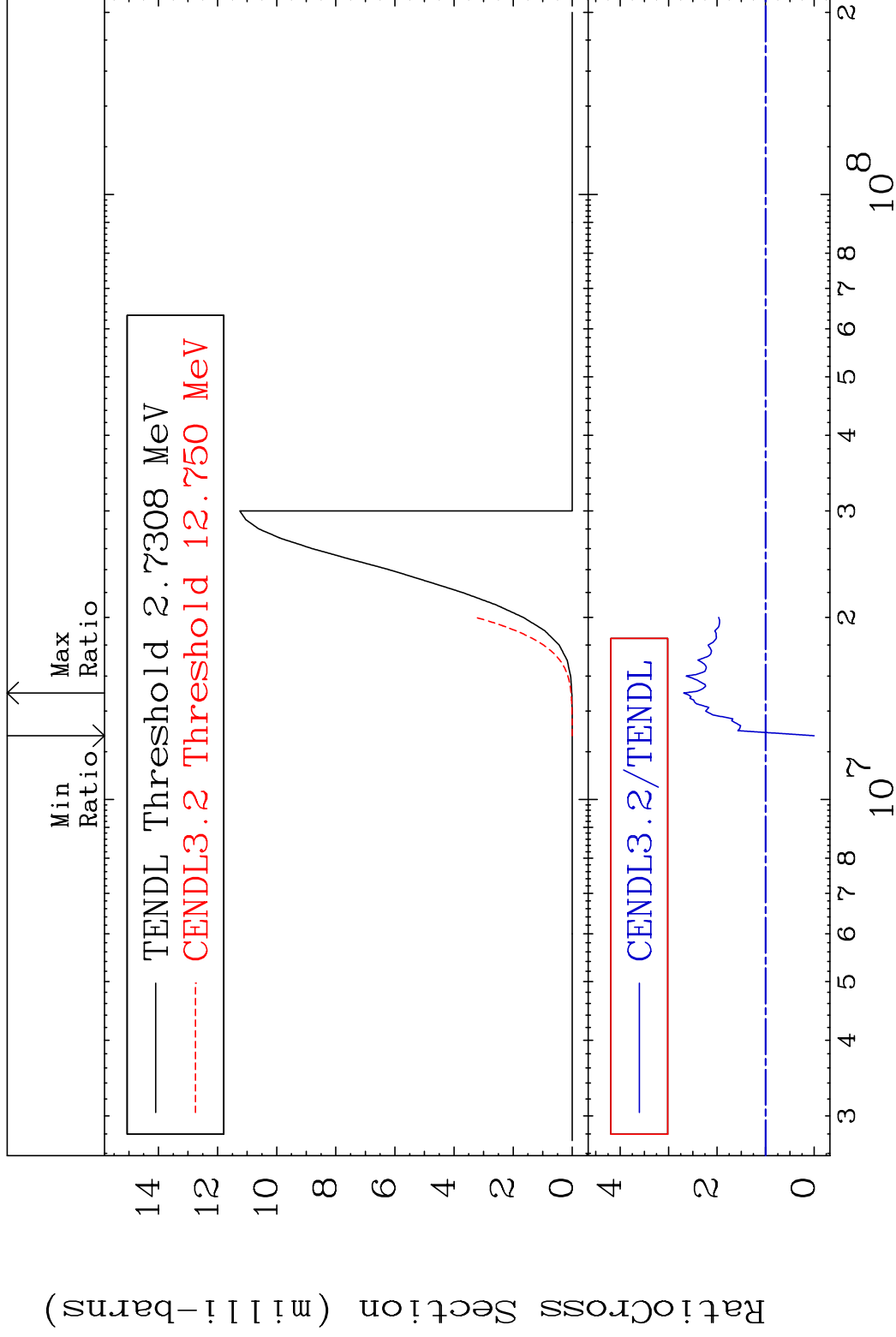
54-Xe-132

MAT 5449

(n, n') α

54-Xe-132

Cross Section -100.0 To 168.9 %



6

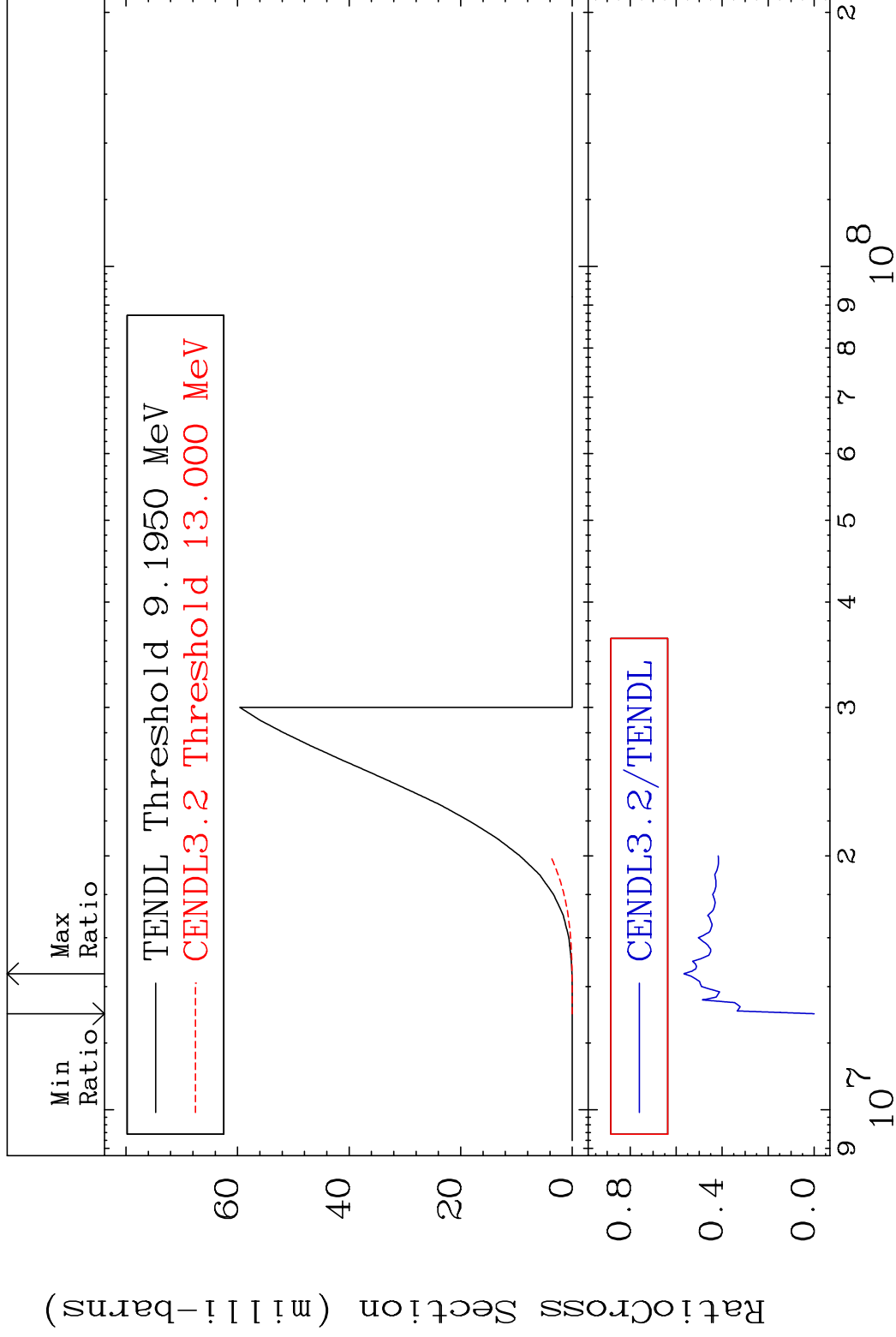
Incident Energy (eV)

54-Xe-132

MAT 5449

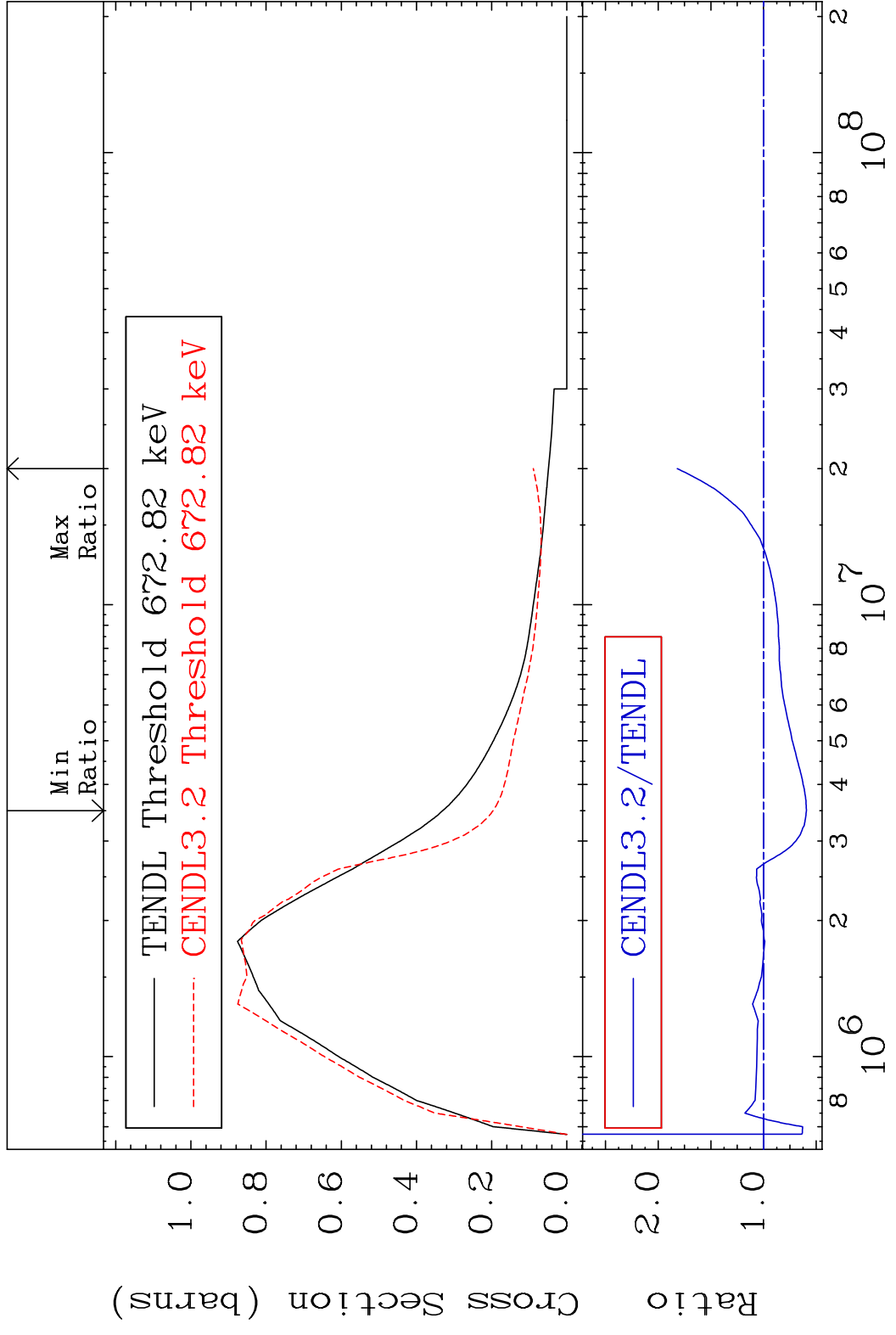
(n, n') p 54-Xe-132

Cross Section -100.0 To -43.27%



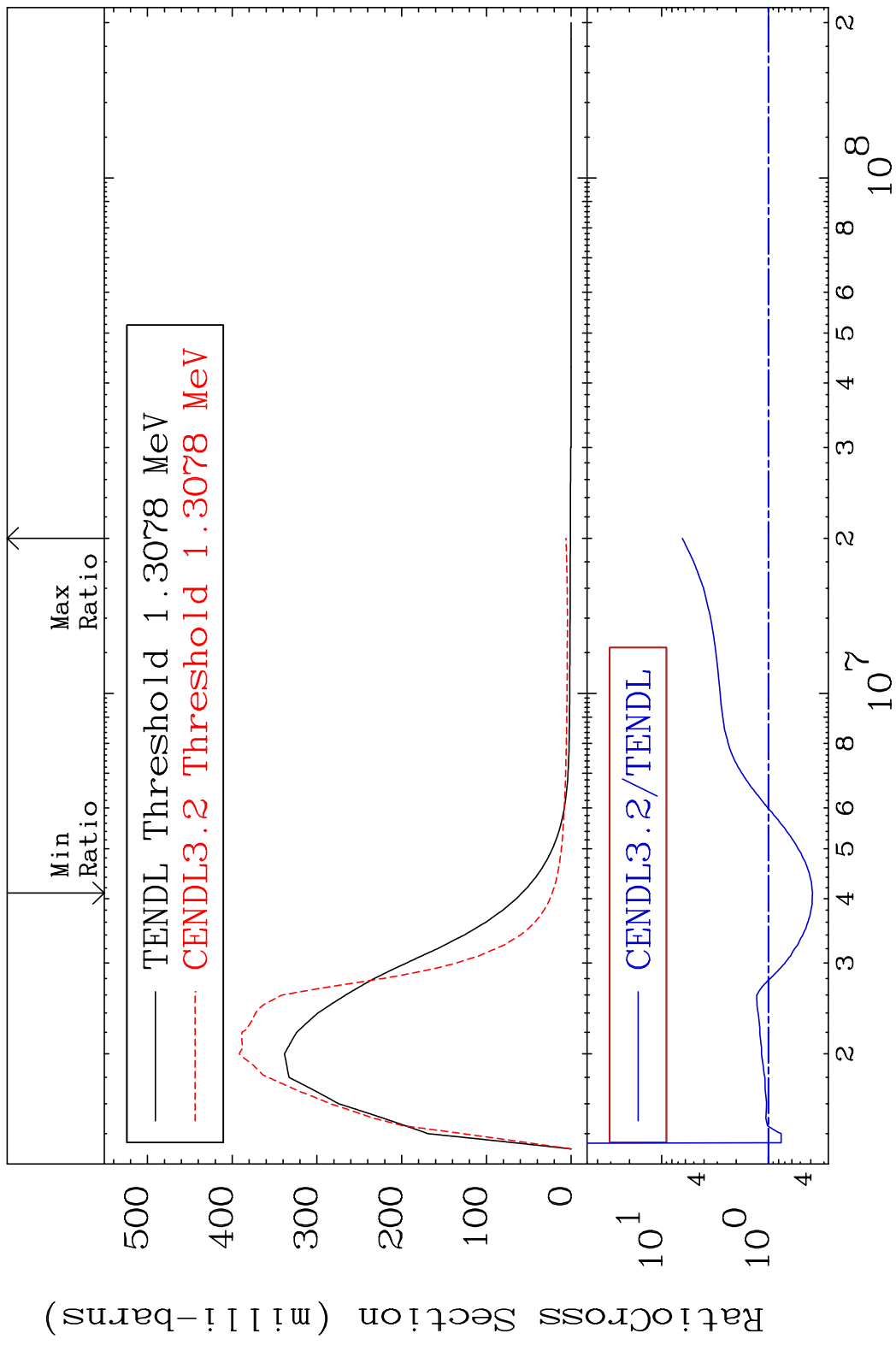
7 Incident Energy (eV) 54-Xe-132

MAT 5449 MT= 51 (n, n') Level 54-Xe-132
 Cross Section -40.67 To 81.98 %

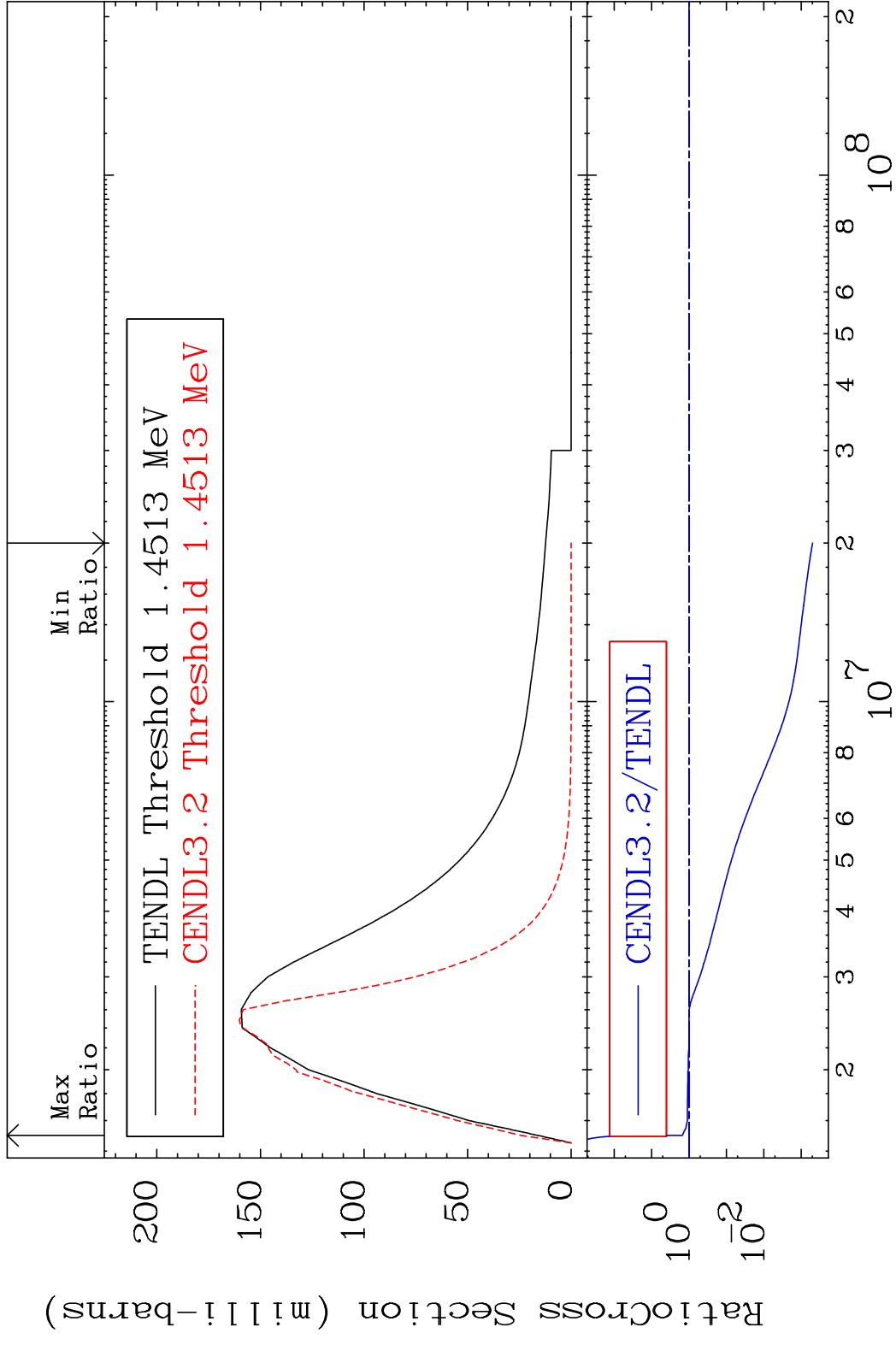


8 Incident Energy (eV) 54-Xe-132

MAT 5449 MT= 52 (n, n') Level 54-Xe-132
 Cross Section -61.58 To 539.3 %

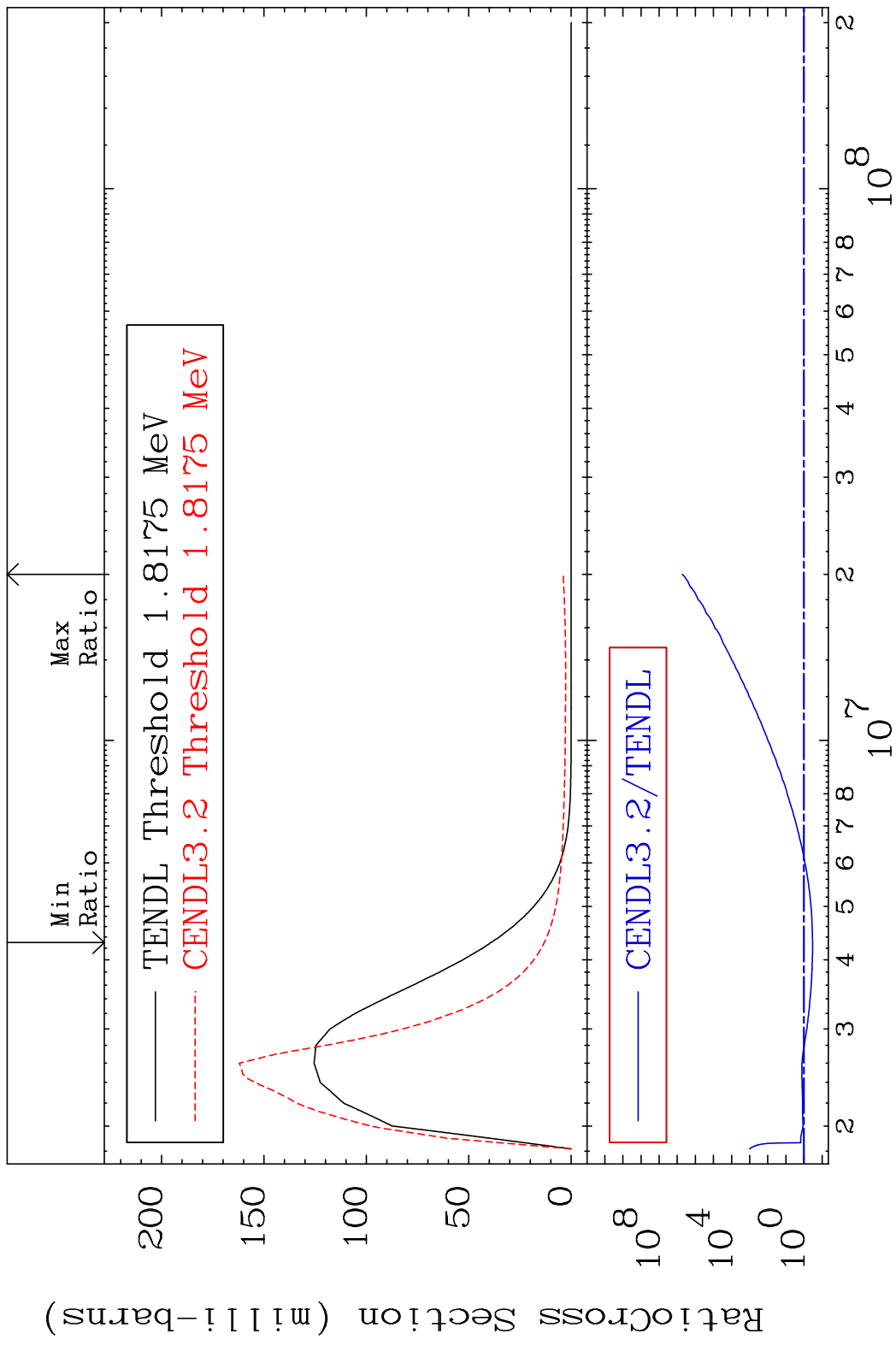


MAT 5449 MT= 53 (n, n') Level 54-Xe-132
 Cross Section -99.95 To 50.65 %

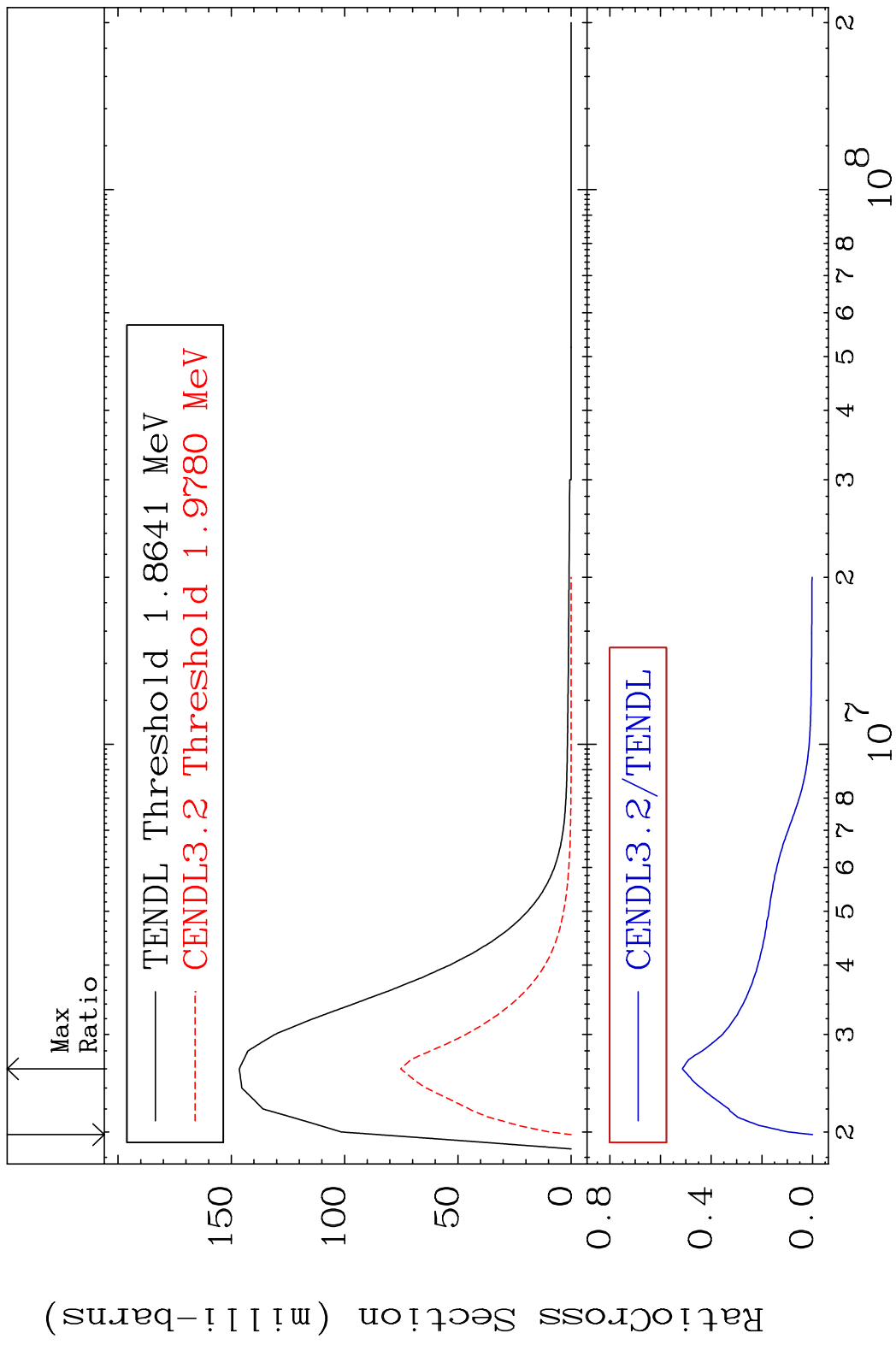


10 10 Incident Energy (eV) 54-Xe-132

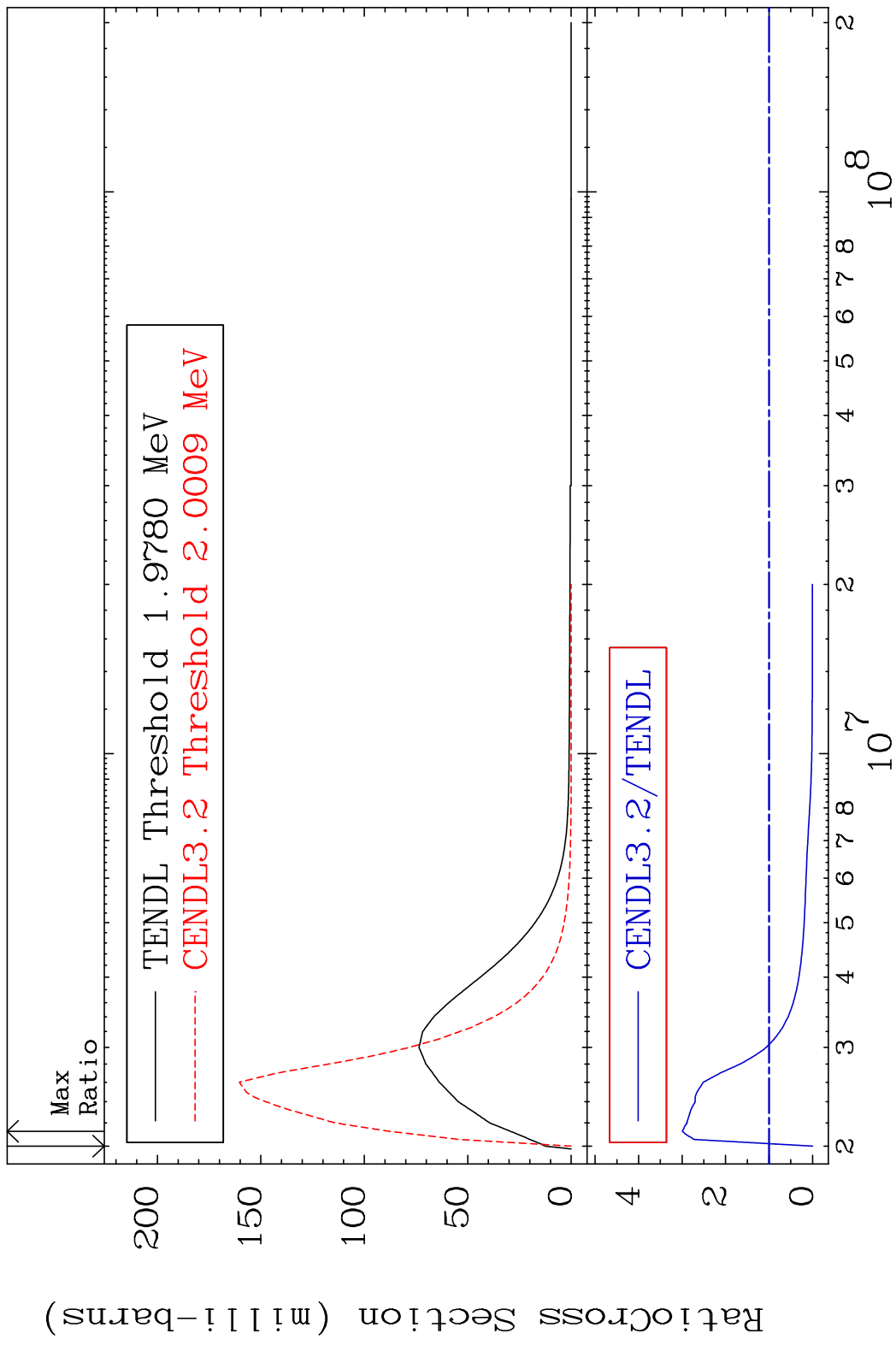
MAT 5449 MT= 54 (n, n') Level 54-Xe-132
 Cross Section -66.45 To 9999. %



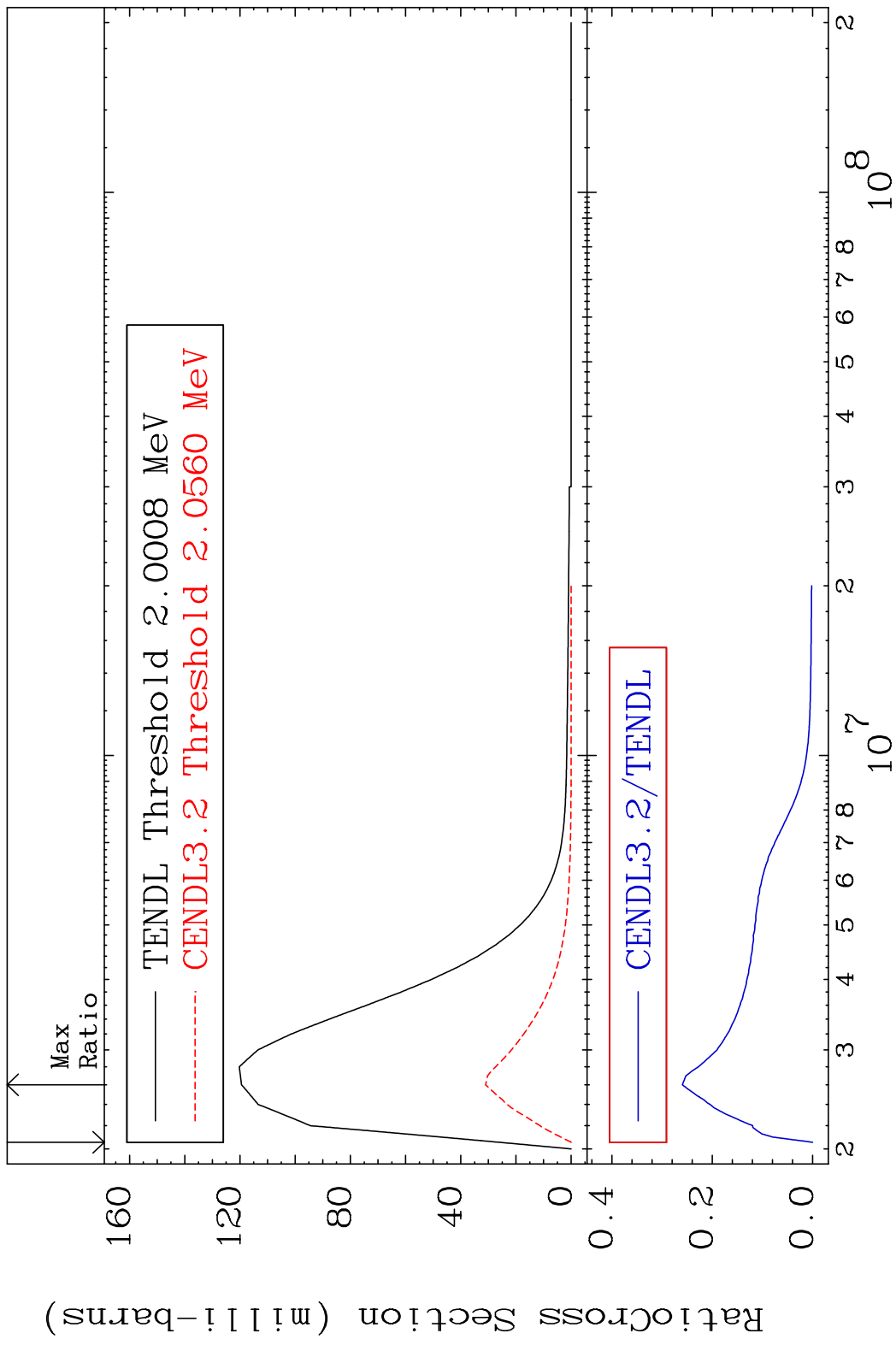
MAT 5449 MT= 55 (n, n') Level 54-Xe-132
 Cross Section -100.0 To -48.60%



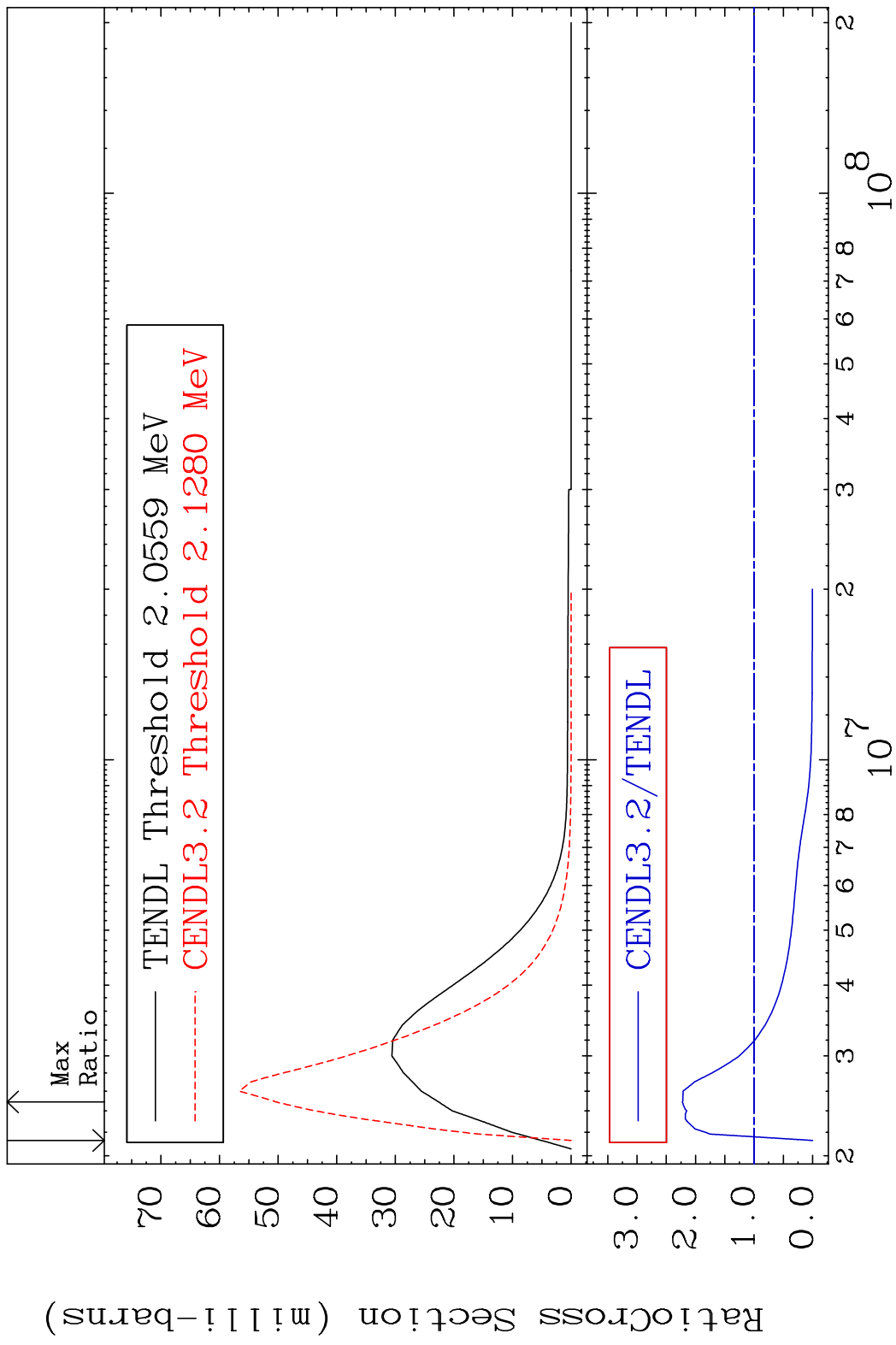
MAT 5449 MT= 56 (n, n') Level 54-Xe-132
 Cross Section -100.0 To 199.4 %



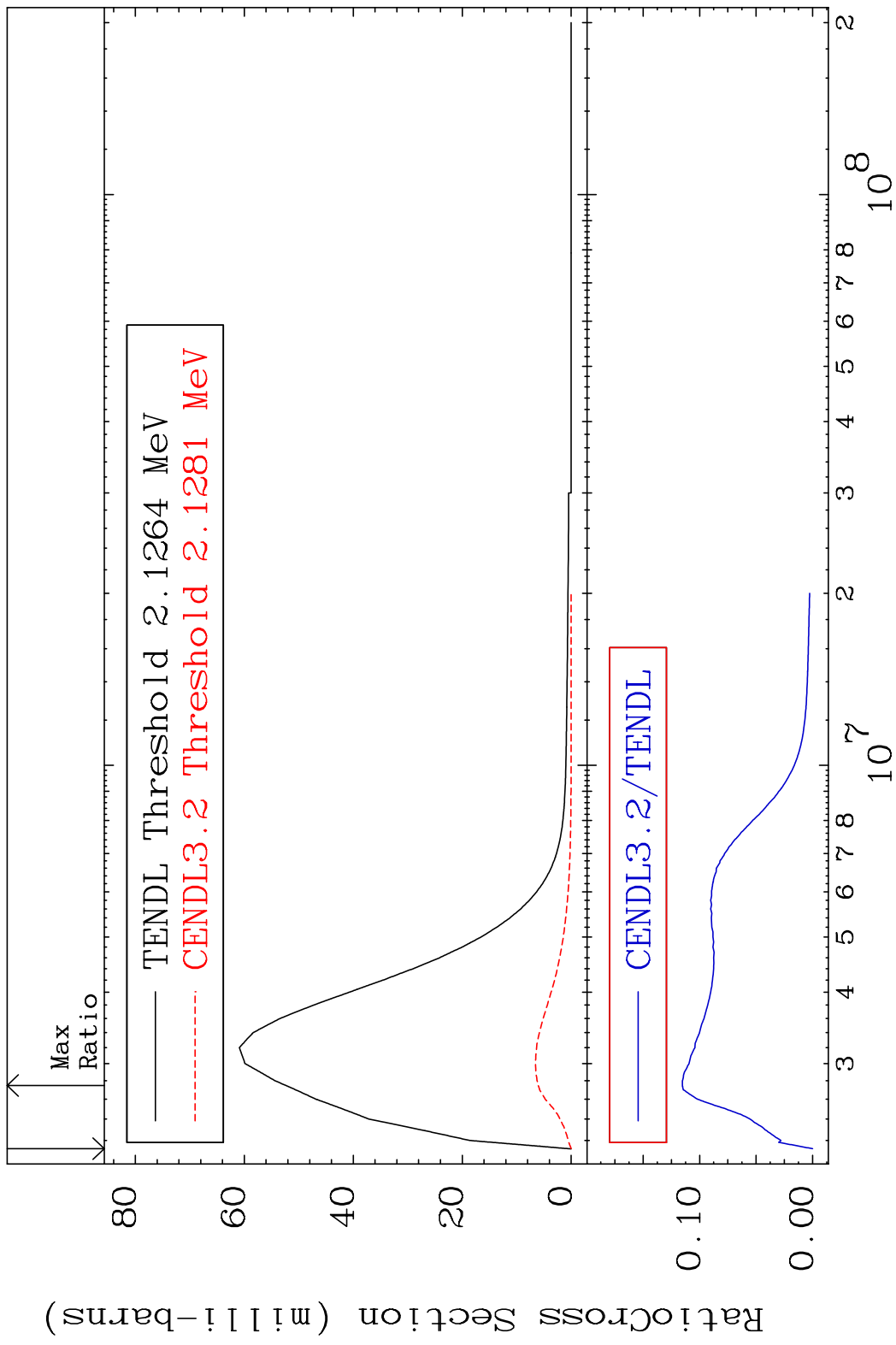
MAT 5449 MT= 57 (n, n') Level 54-Xe-132
 Cross Section -100.0 To -74.03%



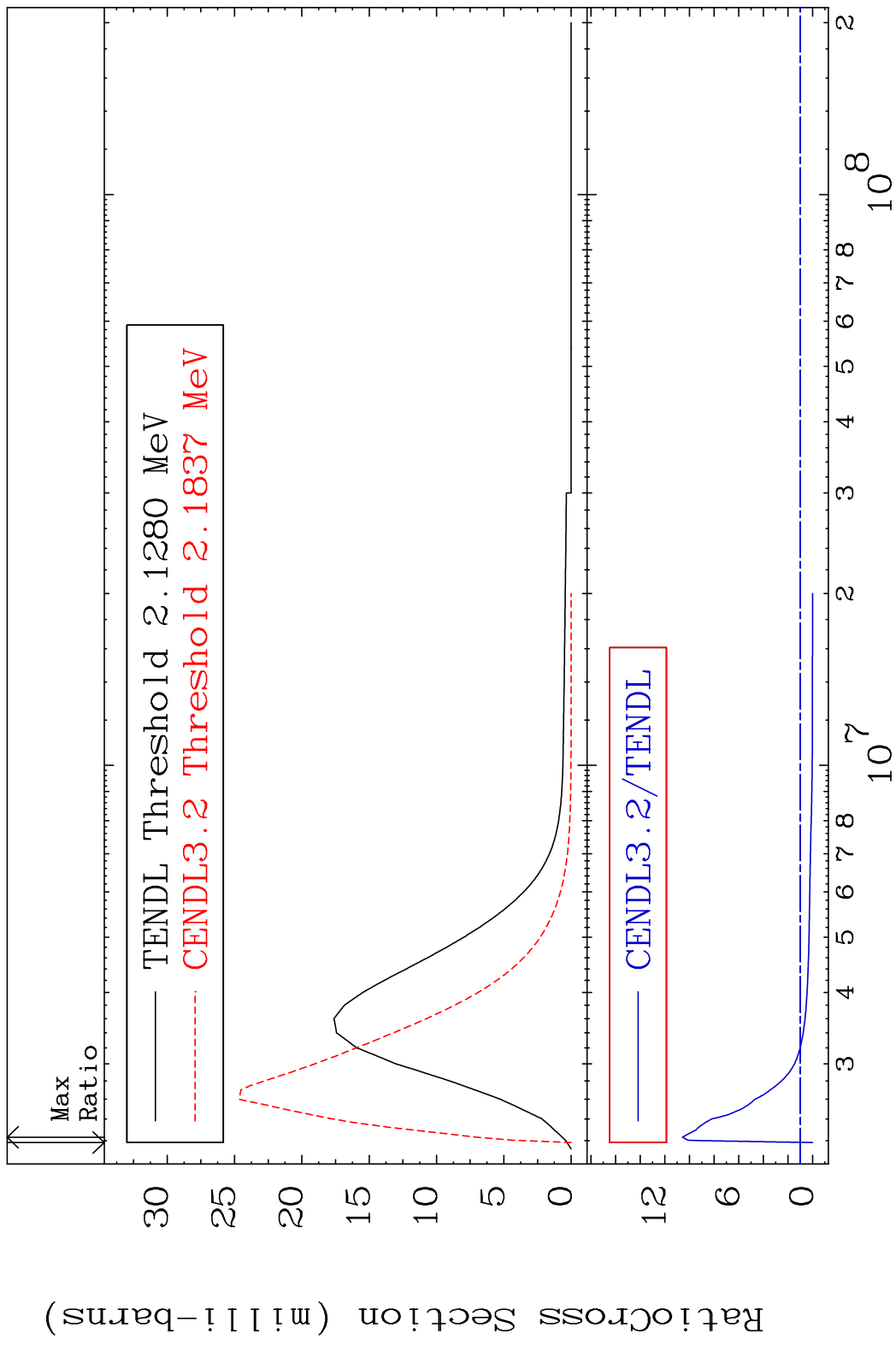
MAT 5449 MT= 58 (n, n') Level 54-Xe-132
 Cross Section -100.0 To 122.6 %



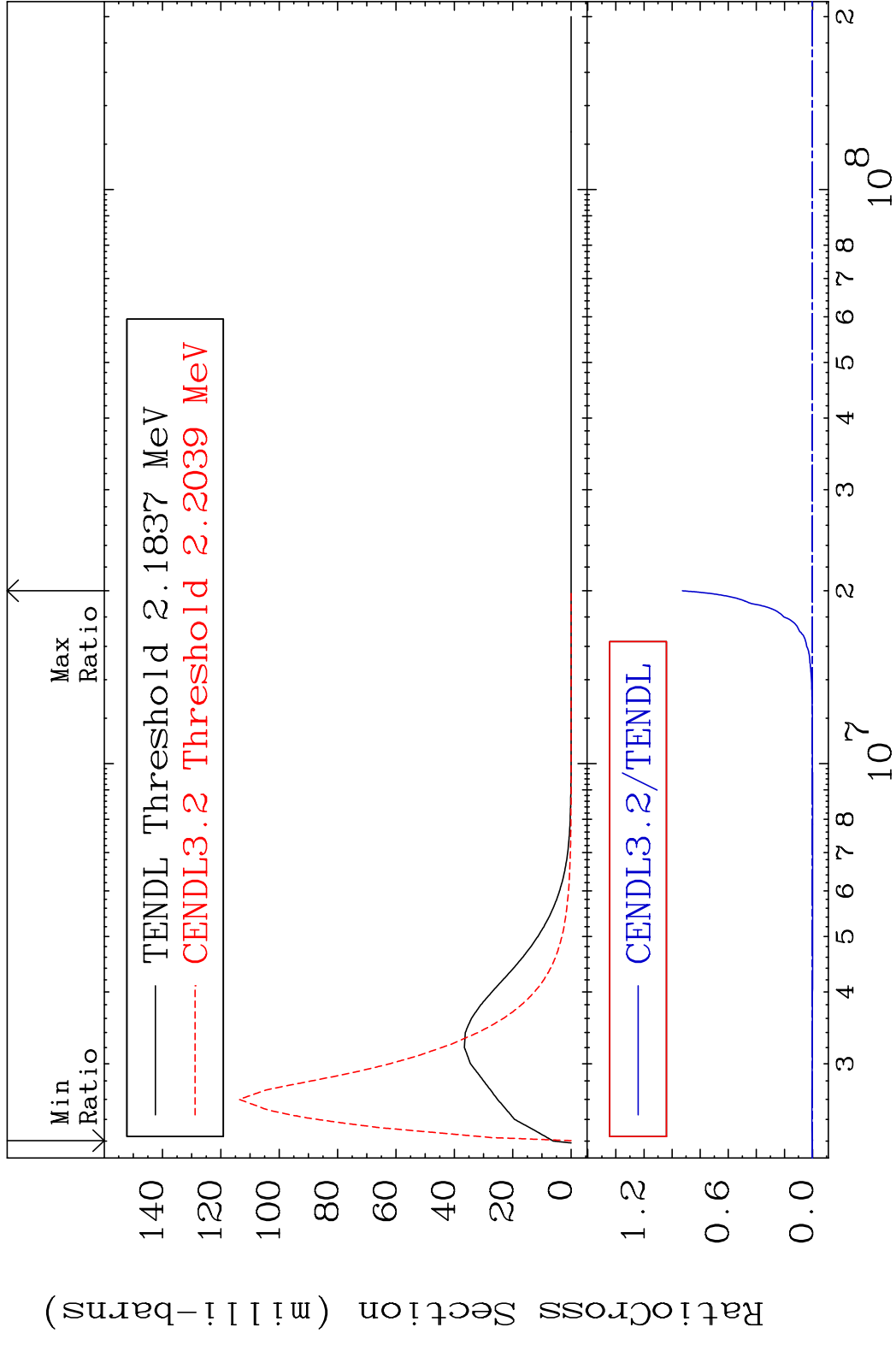
MAT 5449 MT= 59 (n, n') Level 54-Xe-132
 Cross Section -100.0 To -88.47%



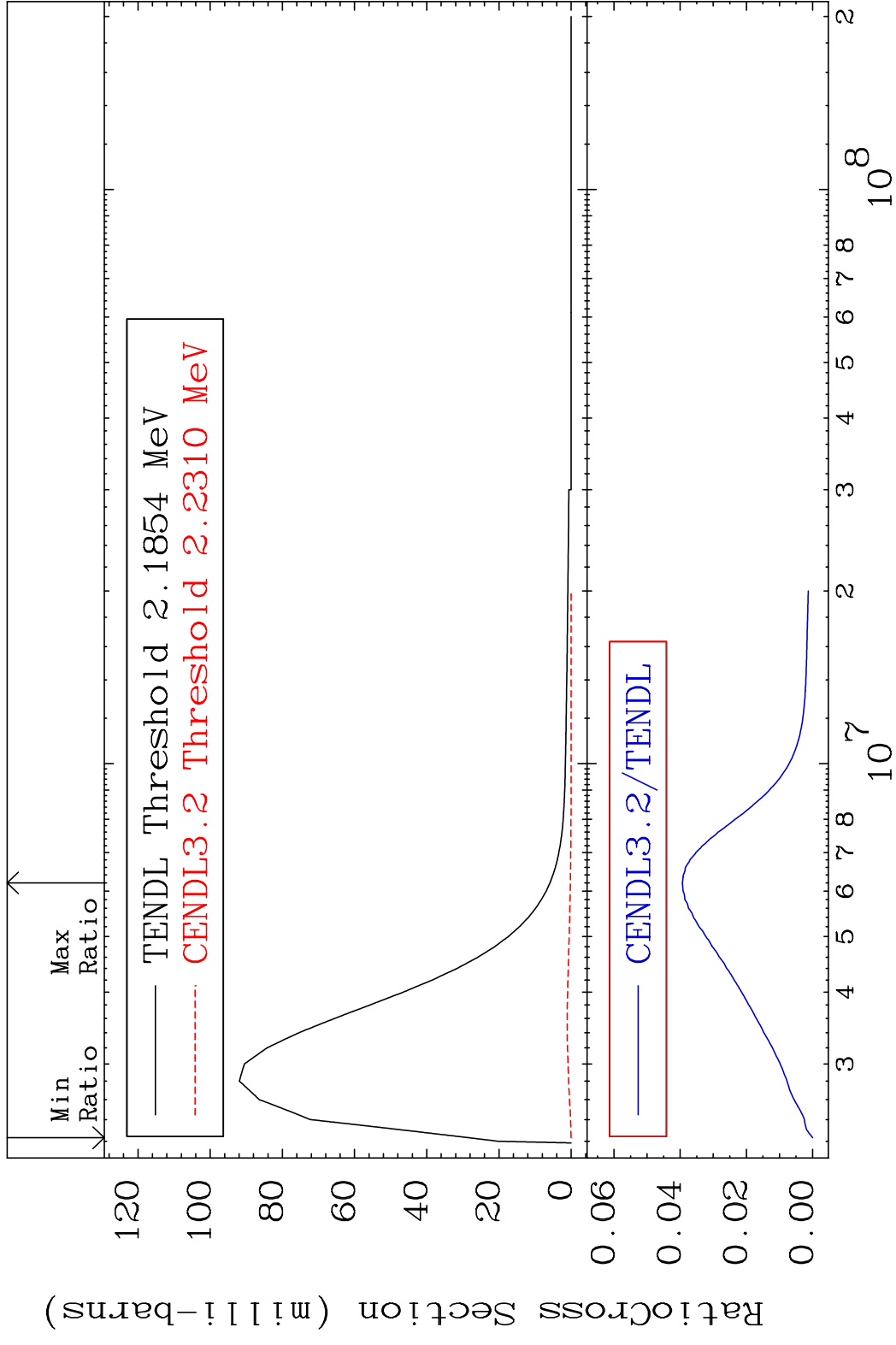
MAT 5449 MT= 60 (n, n') Level 54-Xe-132
 Cross Section -100.0 To 957.3 %



MAT 5449 MT= 61 (n, n') Level 54-Xe-132
 Cross Section -100.0 To 9999. %



MAT 5449 MT= 62 (n, n') Level 54-Xe-132
 Cross Section -100.0 To -96.07%

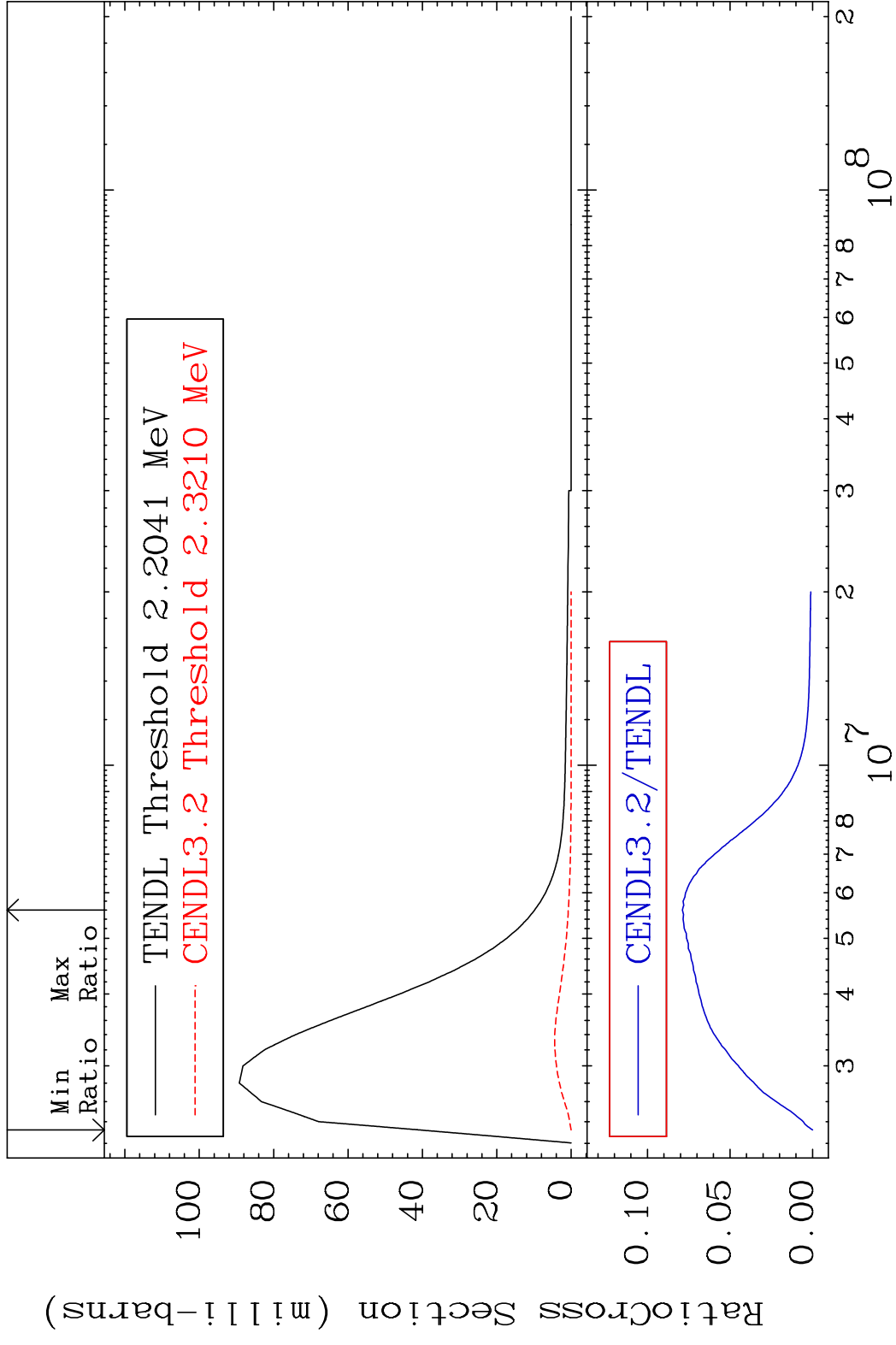


MAT 5449

MT= 63 (n, n') Level

54-Xe-132

Cross Section -100.0 To -92.11%

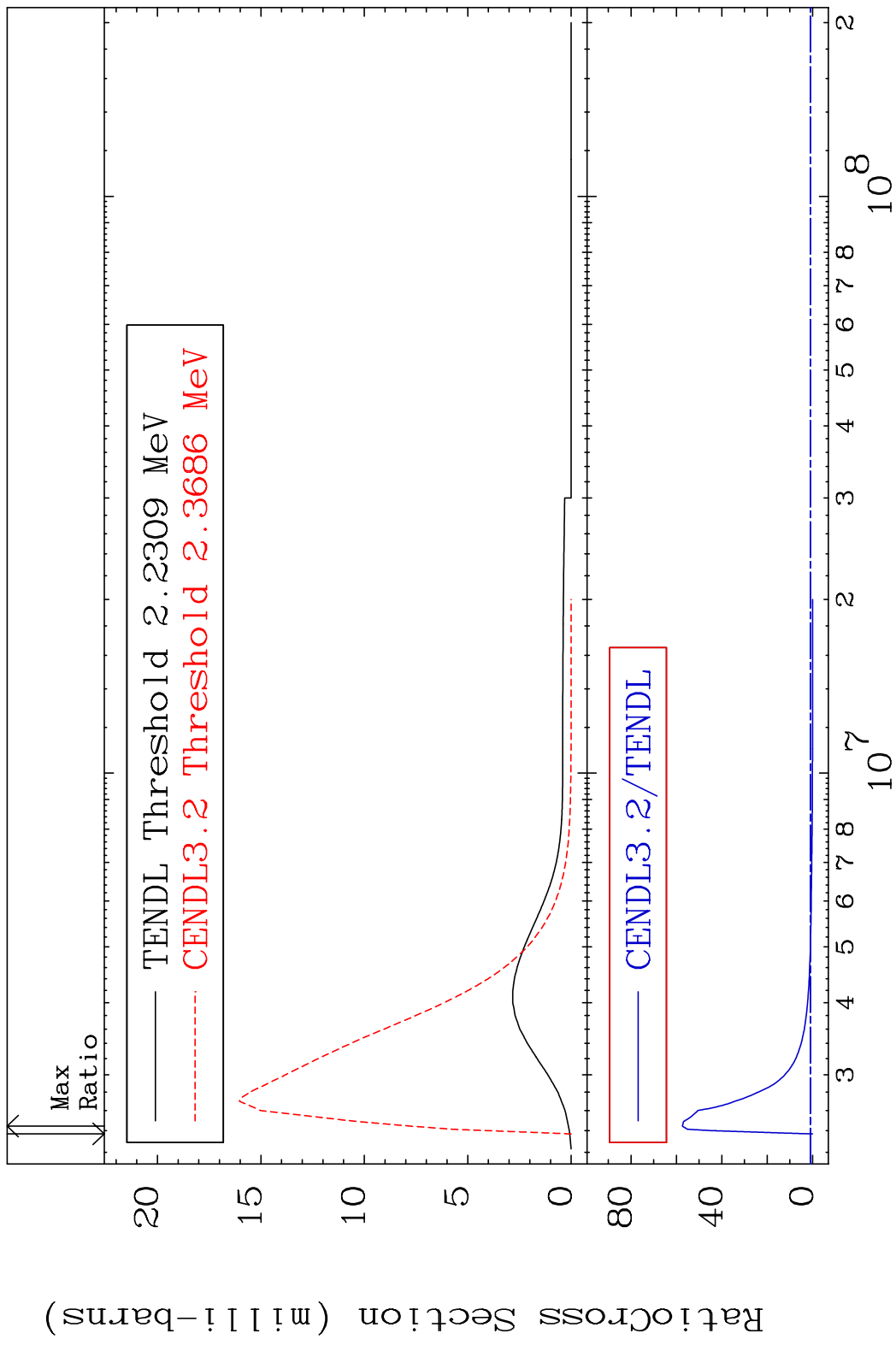


20

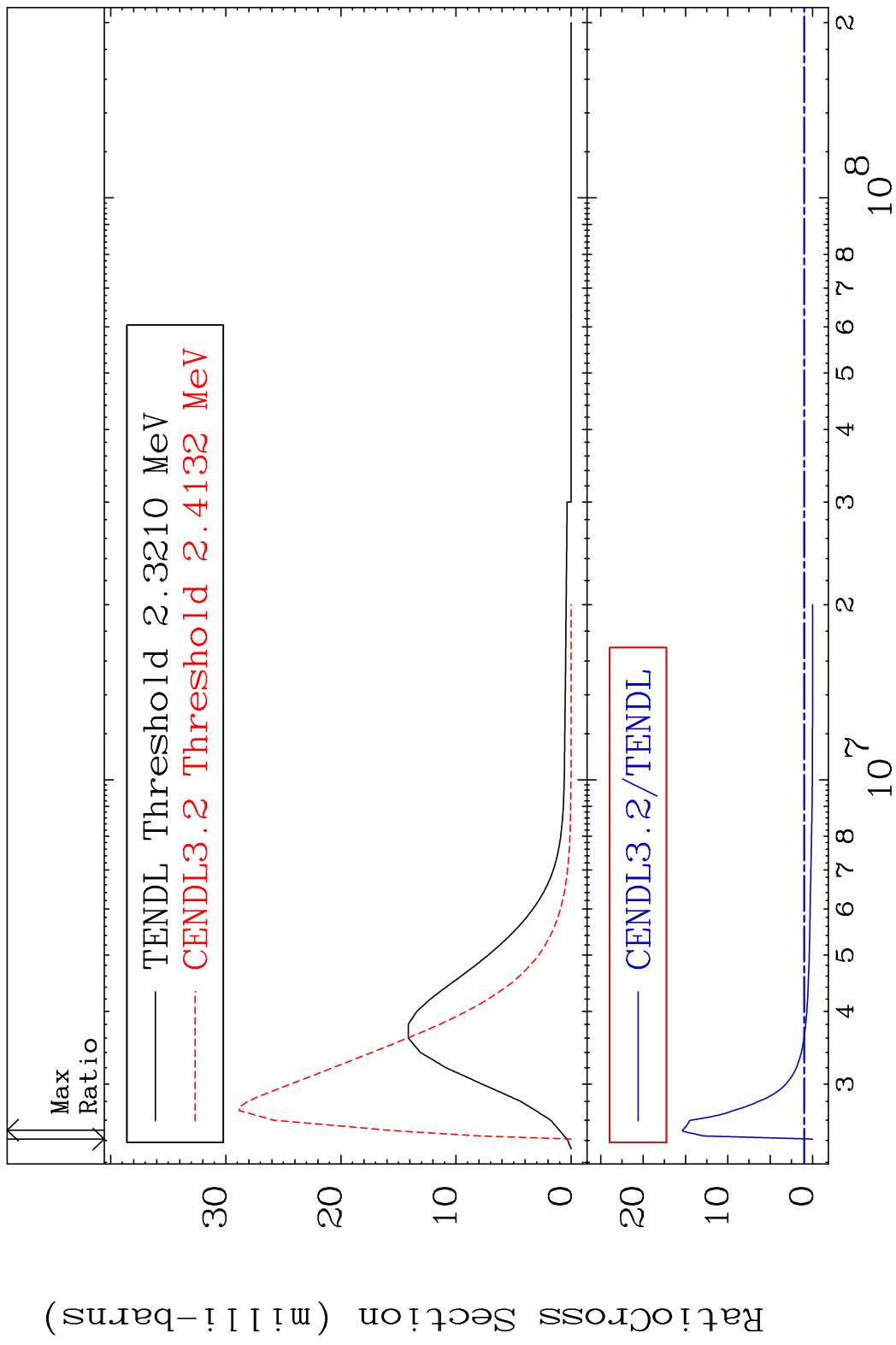
Incident Energy (eV)

54-Xe-132

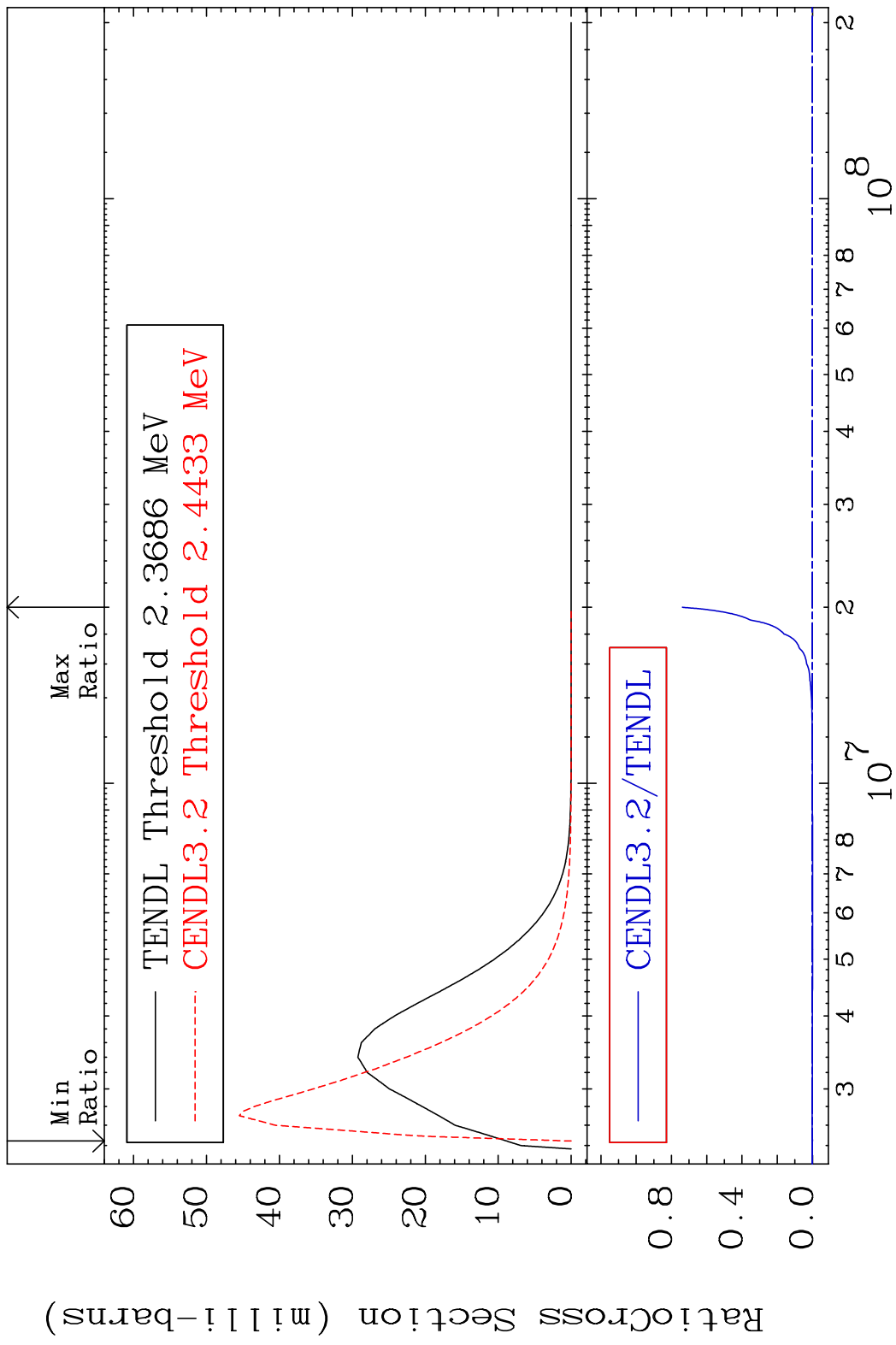
MAT 5449 MT= 64 (n, n') Level 54-Xe-132
 Cross Section -100.0 To 5638. %



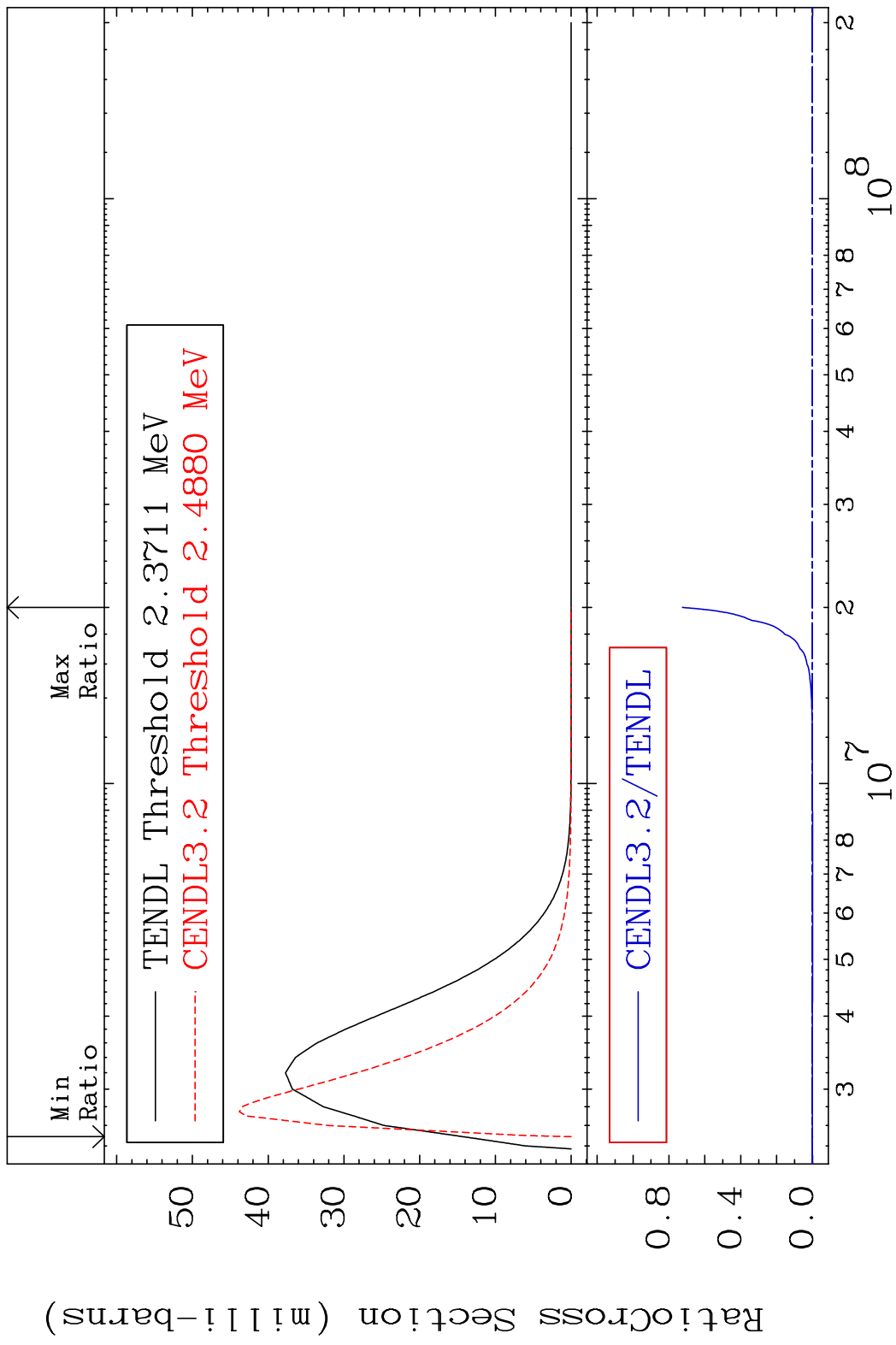
MAT 5449 MT= 65 (n,n') Level 54-Xe-132
 Cross Section -100.0 To 1438. %



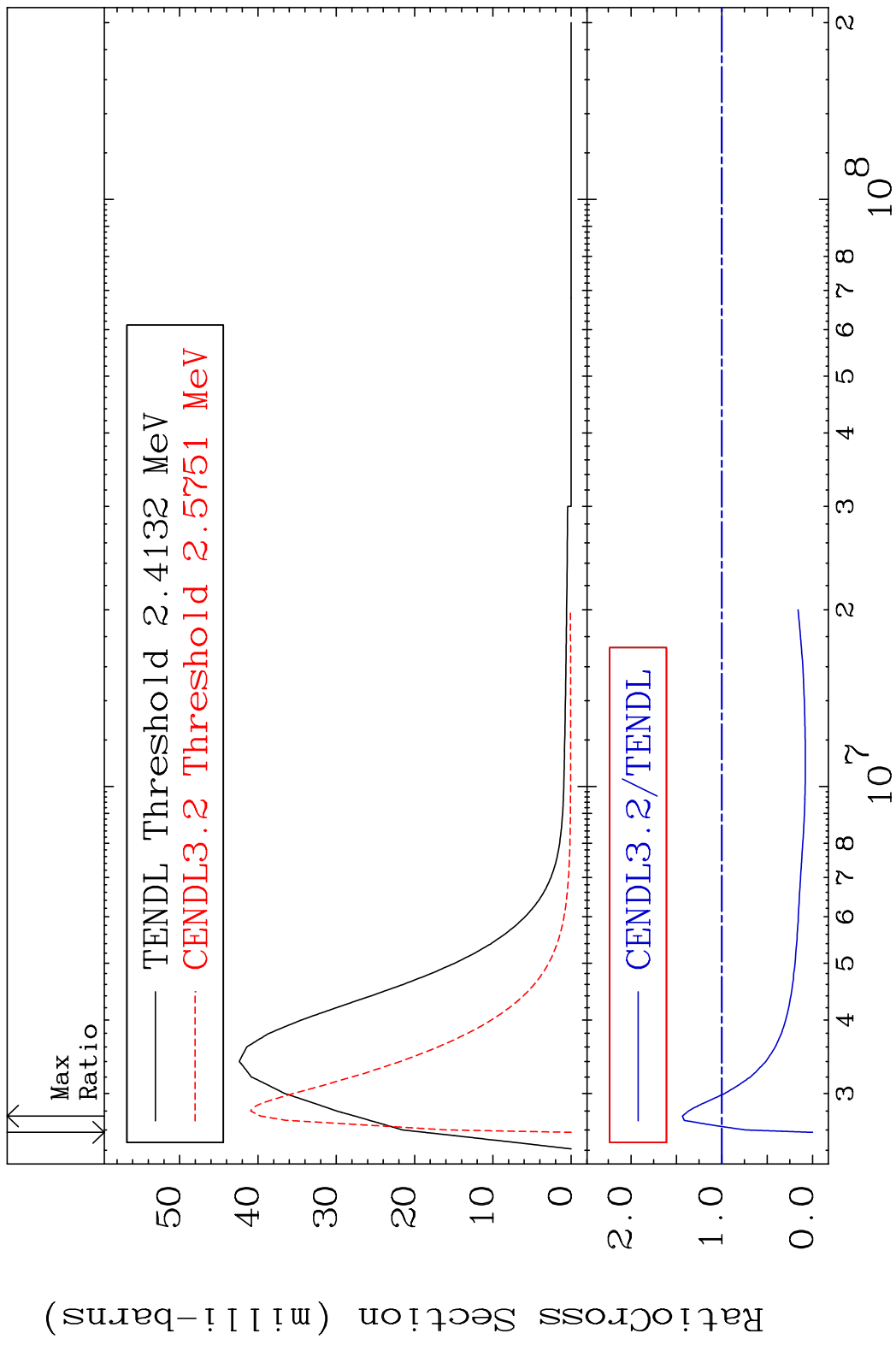
MAT 5449 MT= 66 (n, n') Level 54-Xe-132
 Cross Section -100.0 To 9999. %



MAT 5449 MT= 67 (n, n') Level 54-Xe-132
 Cross Section -100.0 To 9999. %



MAT 5449 MT= 68 (n,n') Level 54-Xe-132
 Cross Section -100.0 To 43.47 %

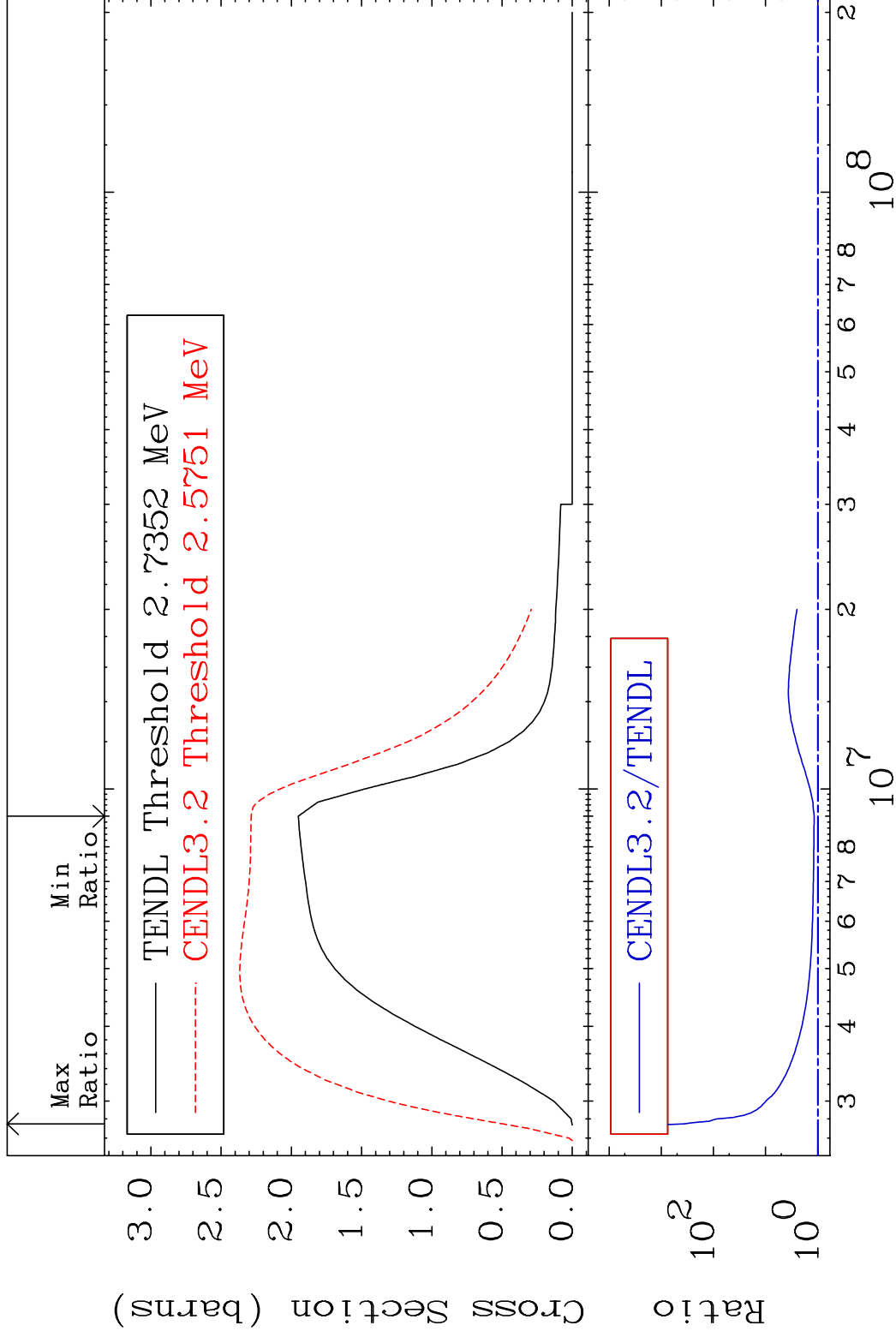


MAT 5449

(n,n') Continuum

54-Xe-132

Cross Section 17.23 To 9999. %



26

Incident Energy (eV)

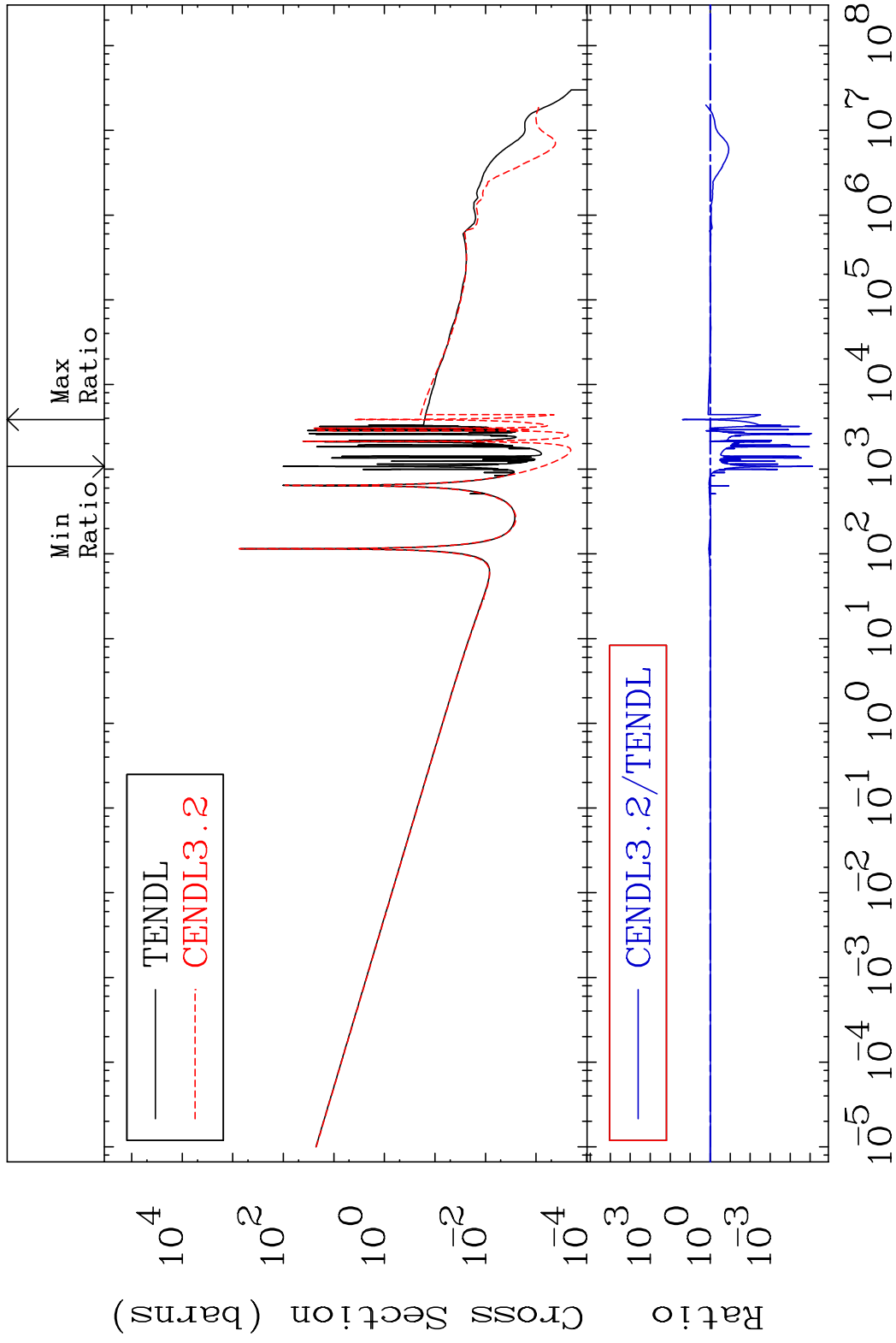
54-Xe-132

MAT 5449

(n, γ)

54-Xe-132

Cross Section -100.0 To 2378. %



27

Incident Energy (eV)

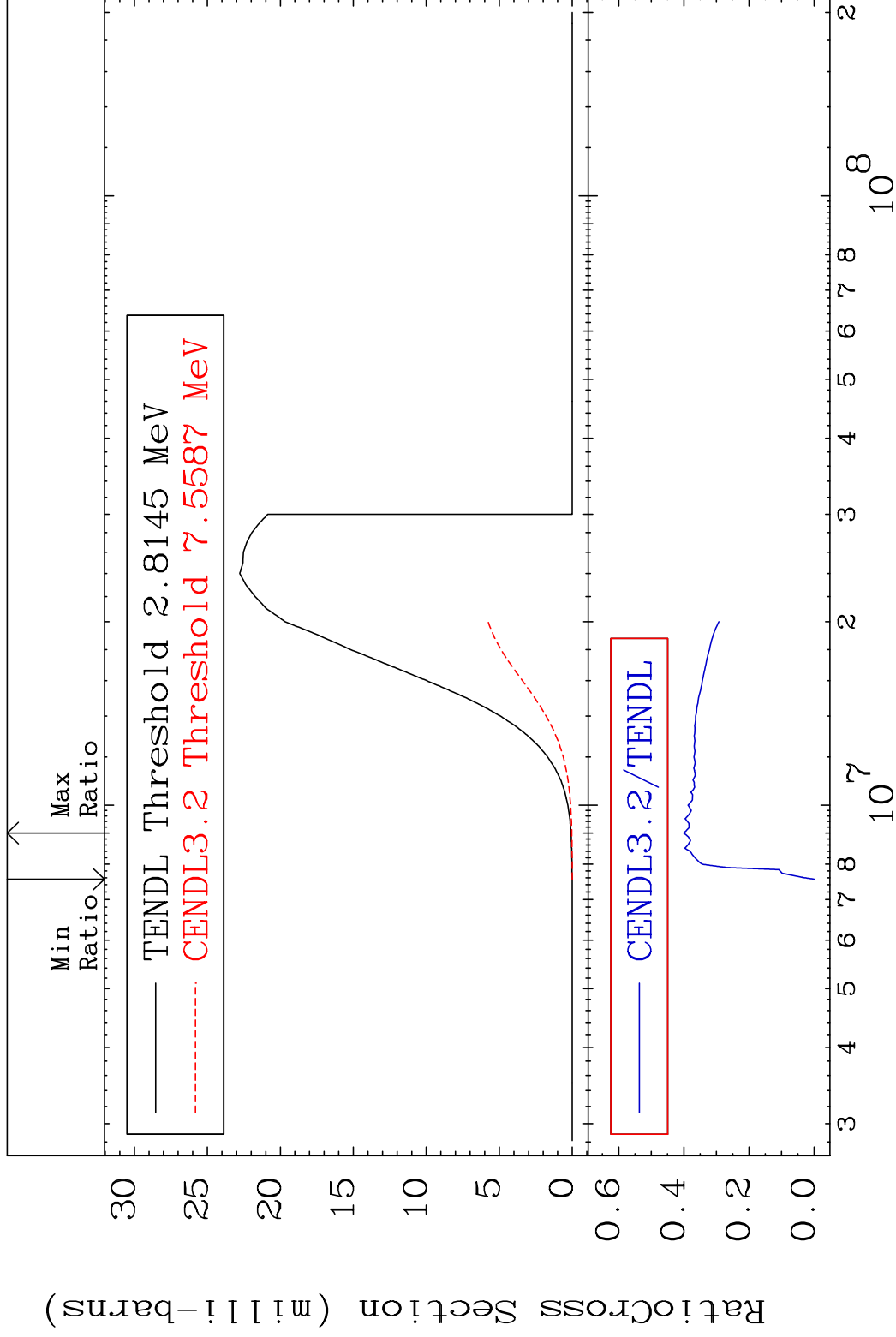
54-Xe-132

MAT 5449

(n, p)

54-Xe-132

Cross Section -100.0 To -59.94%



28

Incident Energy (eV)

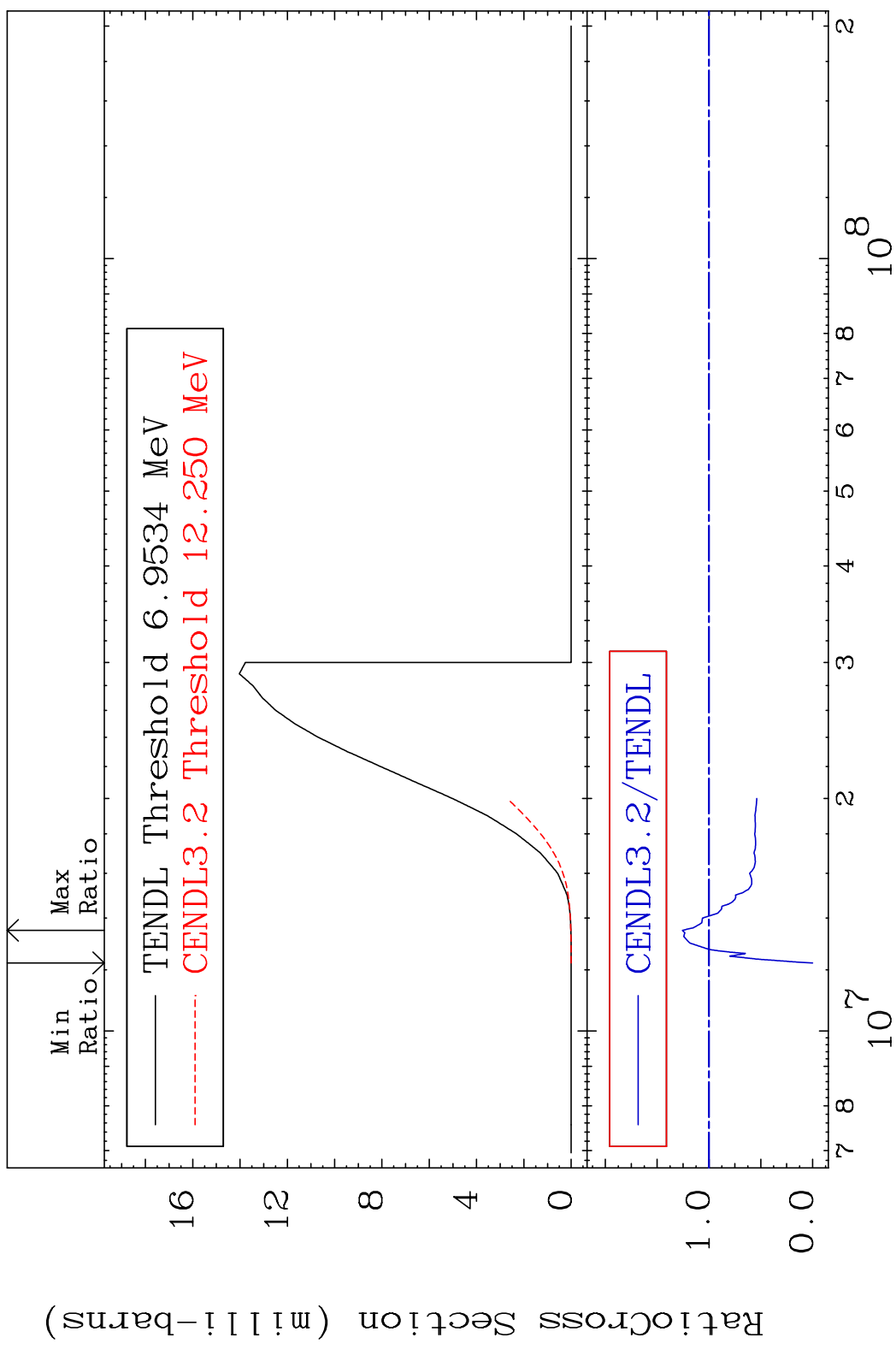
54-Xe-132

MAT 5449

(n, d)

54-Xe-132

Cross Section -100.0 To 25.69 %

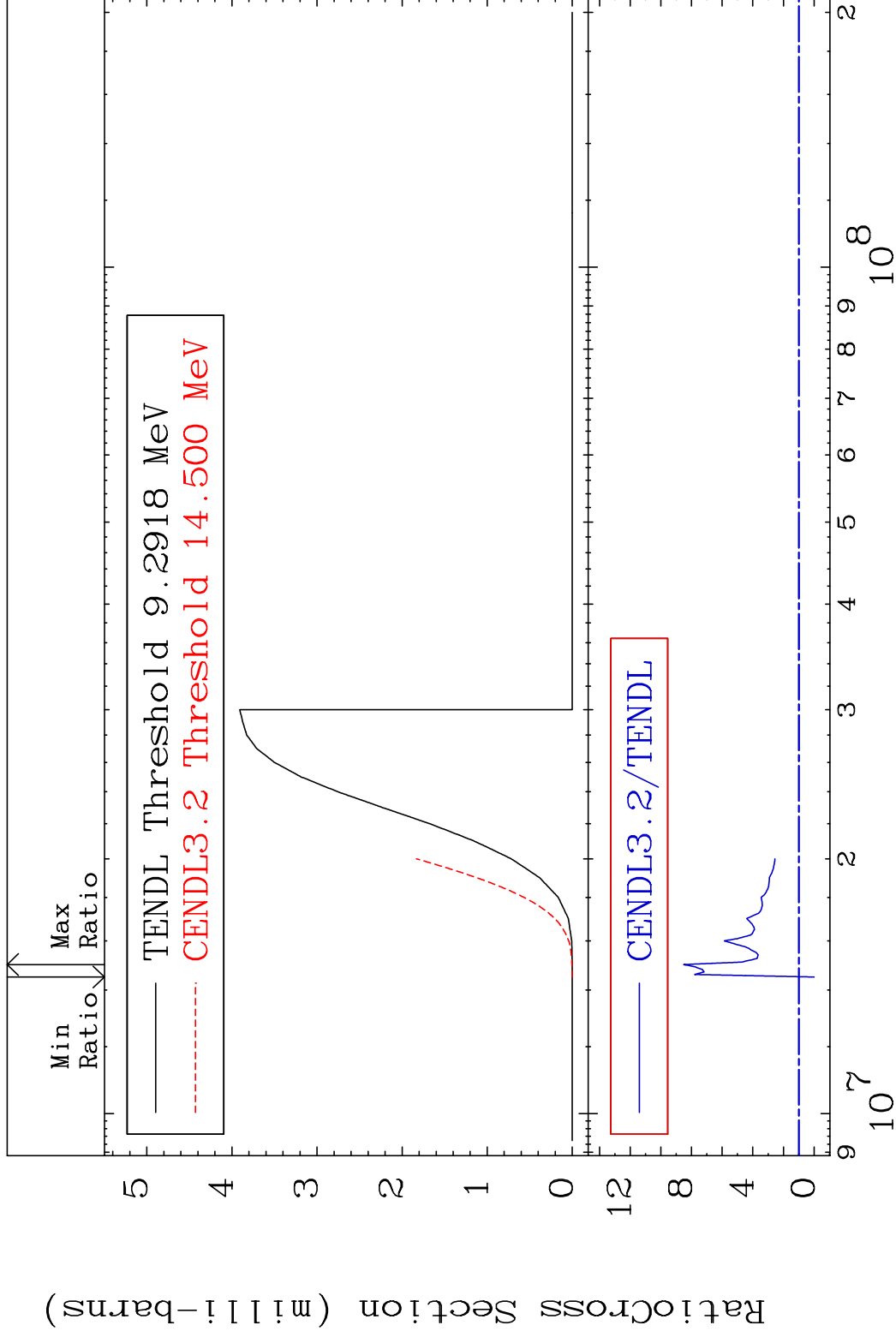


MAT 5449

(n, t)

54-Xe-132

Cross Section -100.0 To 751.2 %



30

Incident Energy (eV)

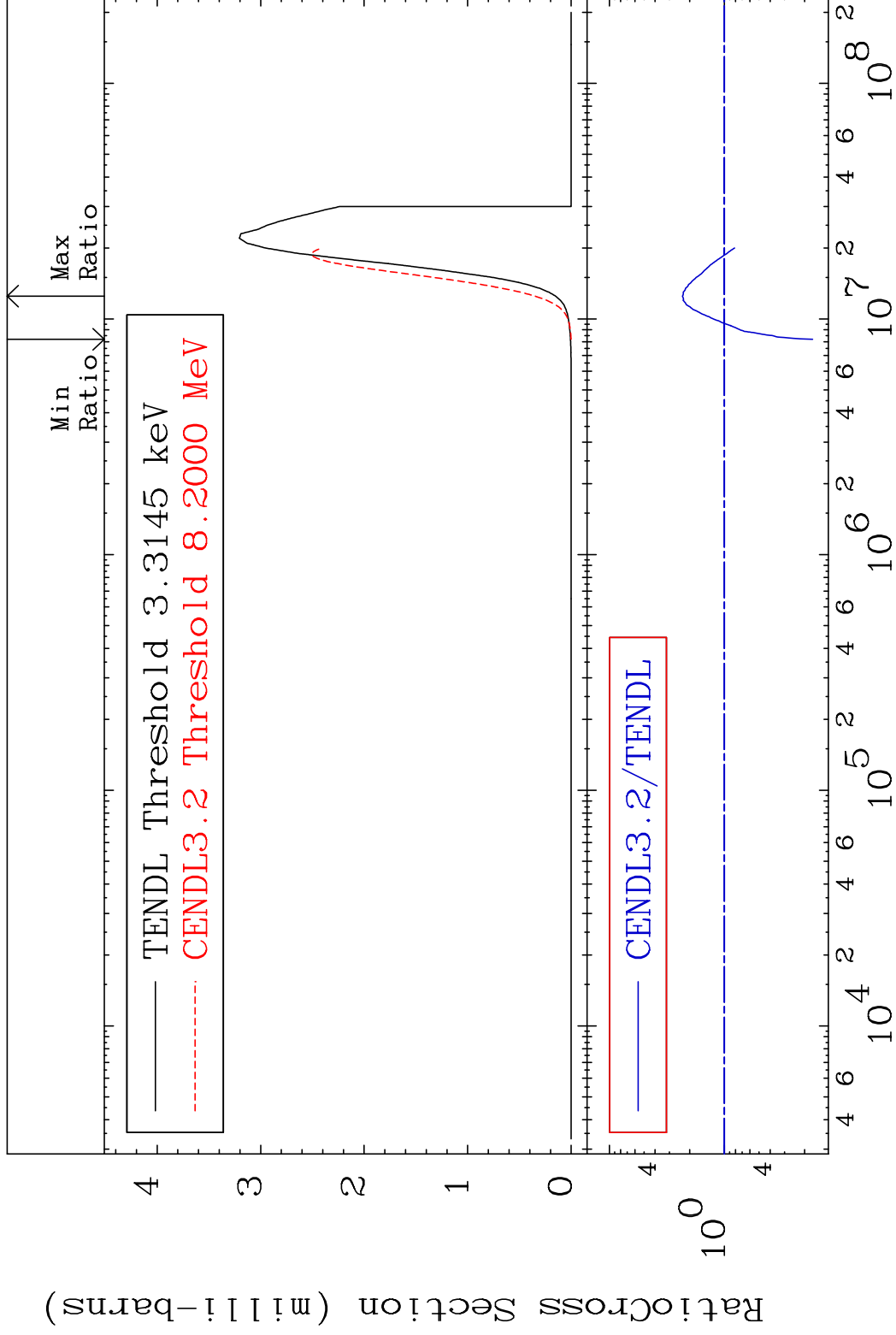
54-Xe-132

MAT 5449

(n, α)

54-Xe-132

Cross Section -82.90 To 131.9 %

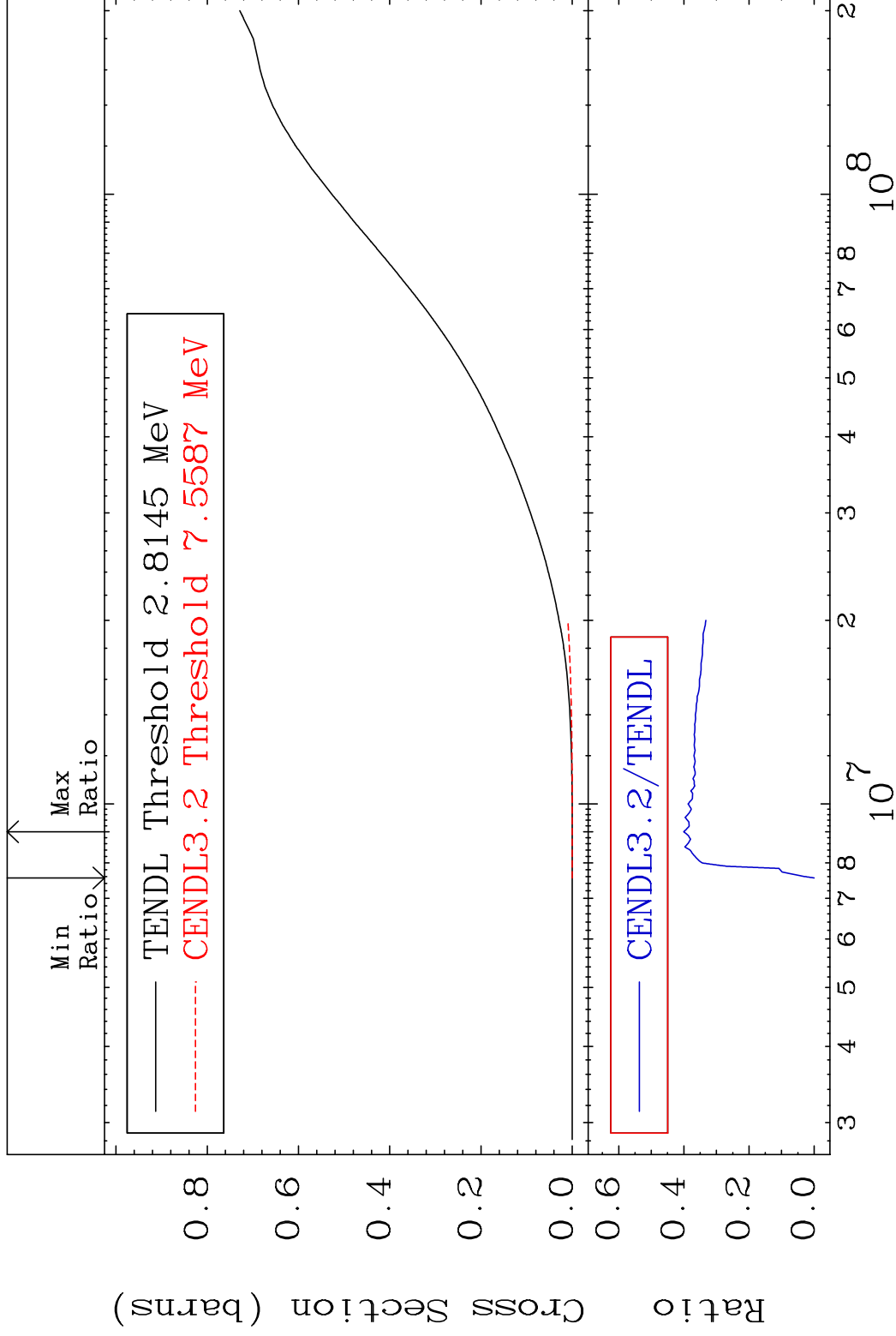


MAT 5449

Hydrogen Production

54-Xe-132

Cross Section -100.0 To -59.94%



32

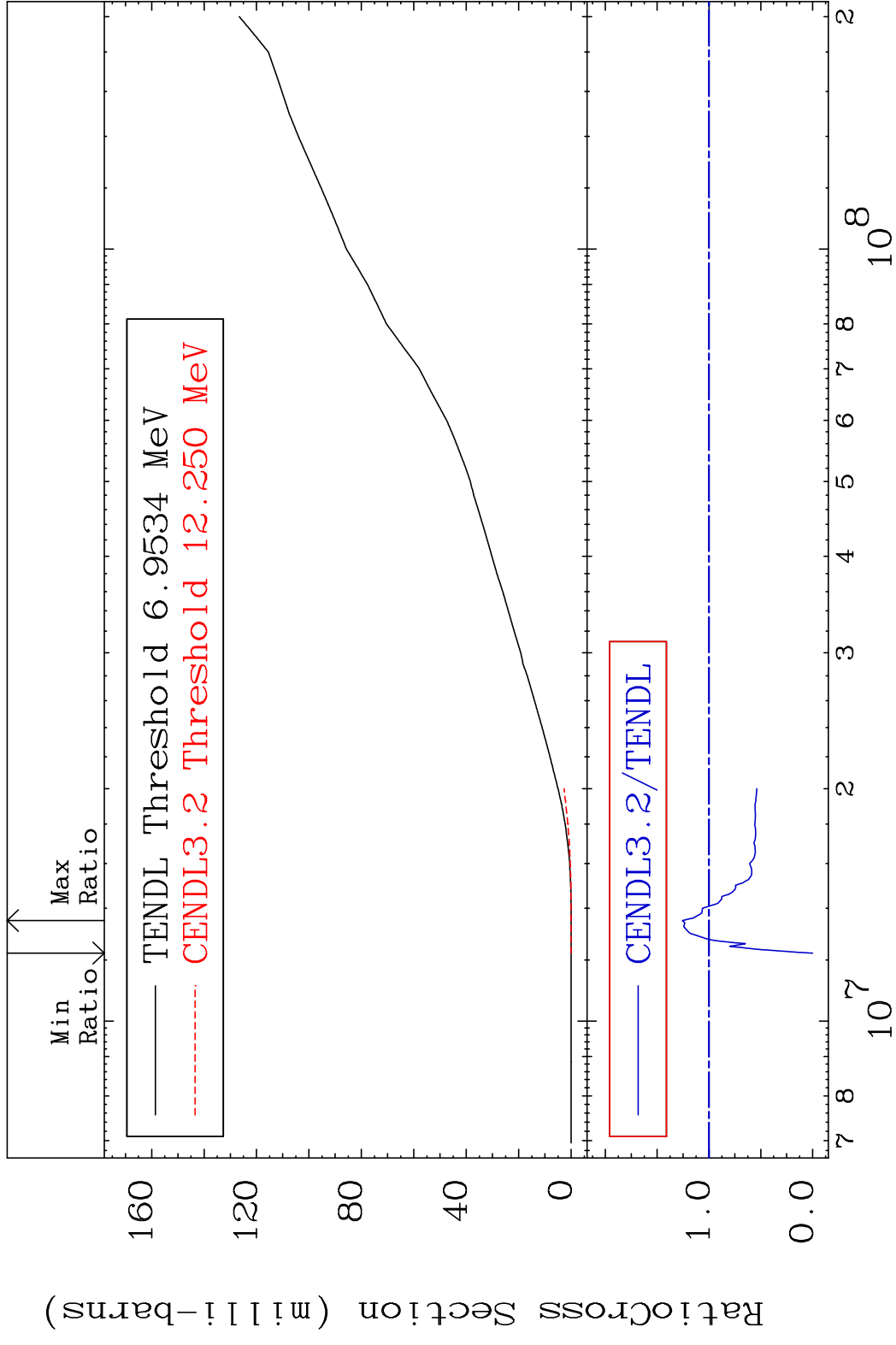
Incident Energy (eV)

54-Xe-132

MAT 5449

Deuterium Production 54-Xe-132

Cross Section -100.0 To 25.69 %



33

Incident Energy (eV)

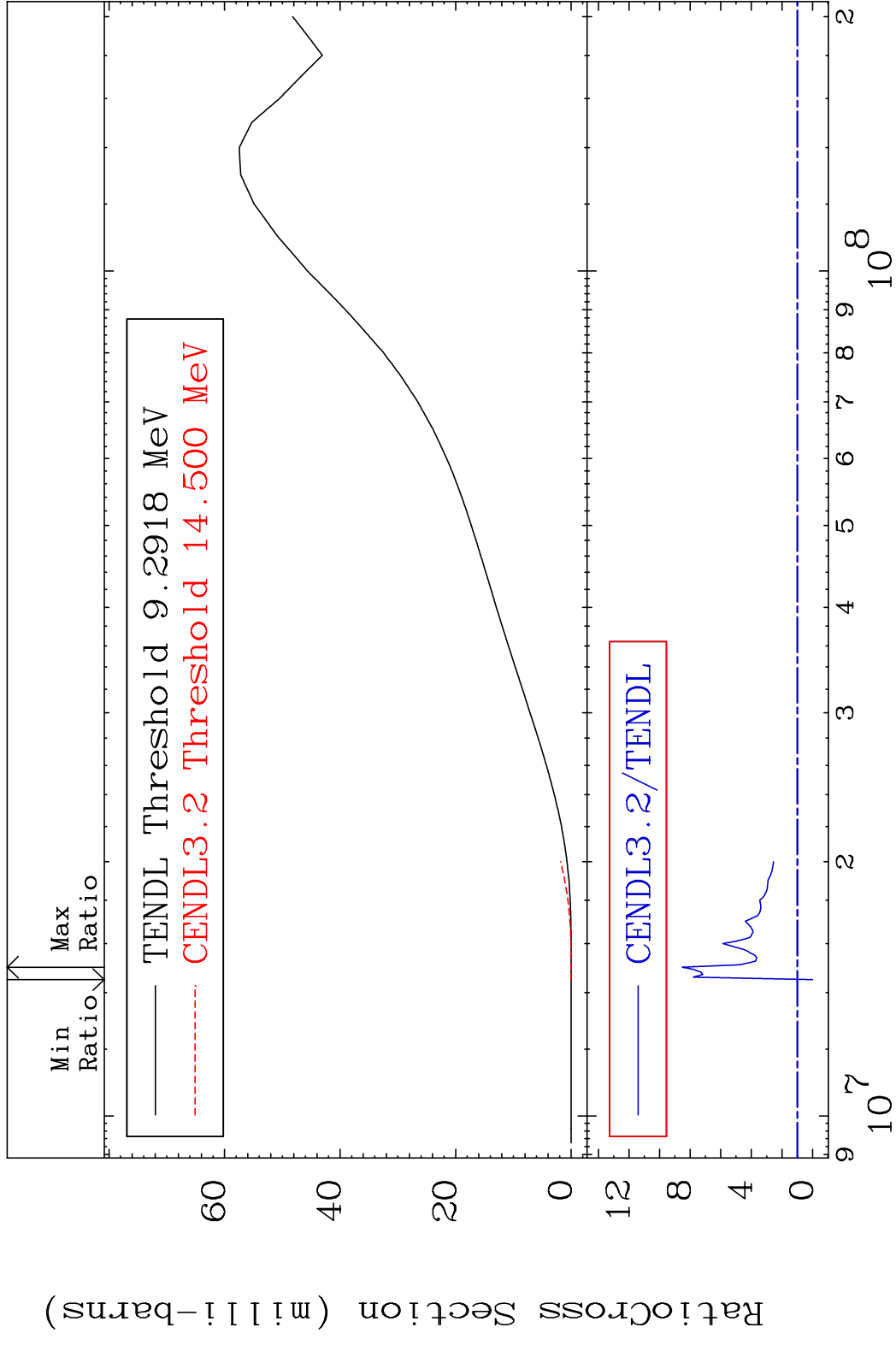
54-Xe-132

MAT 5449

Tritium Production

54-Xe-132

Cross Section -100.0 To 751.2 %



34

Incident Energy (eV)

54-Xe-132

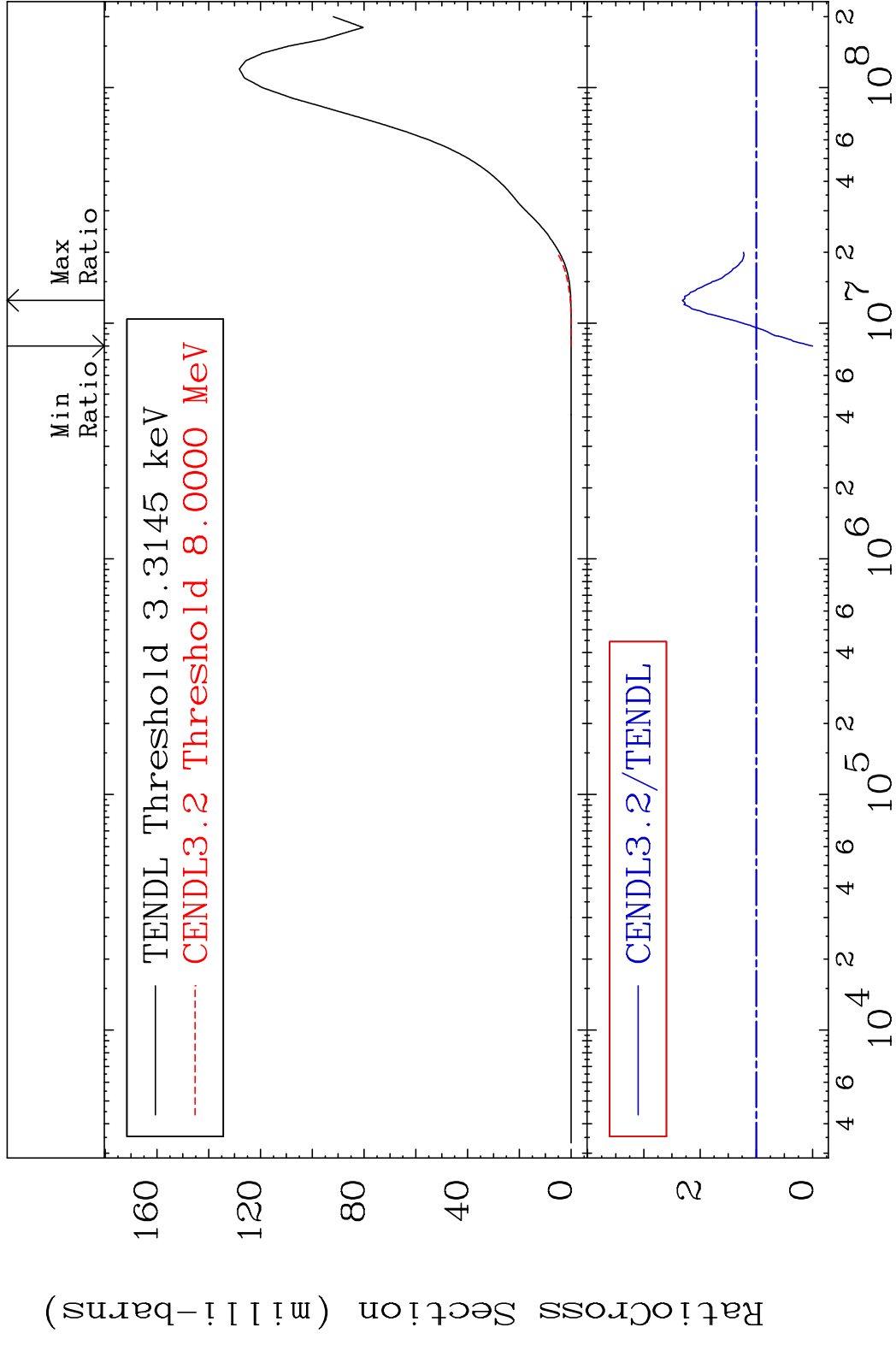
MAT 5449

He-4 Production

54-Xe-132

Cross Section

-100.0 To 131.5 %

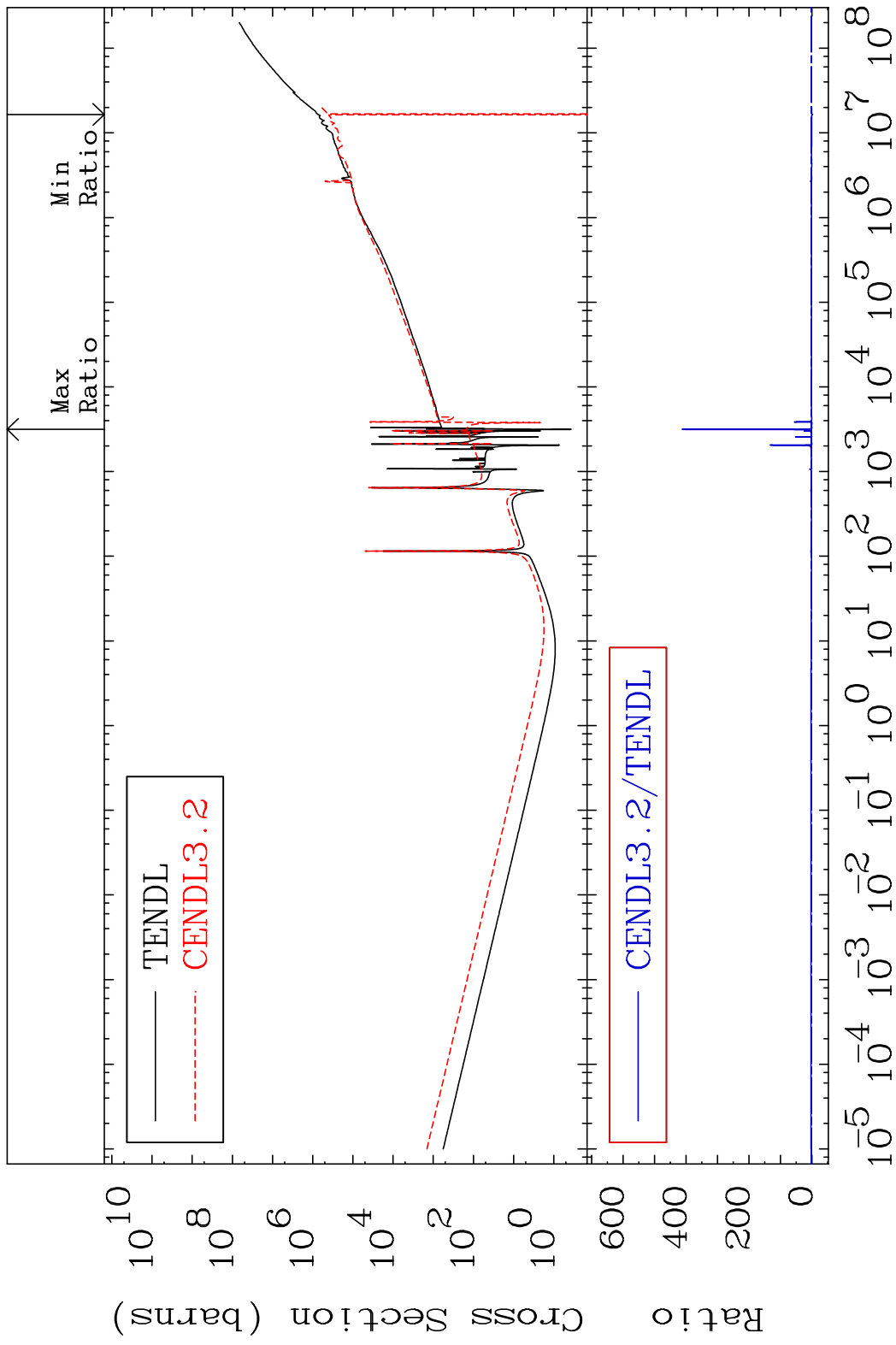


35

Incident Energy (eV)

54-Xe-132

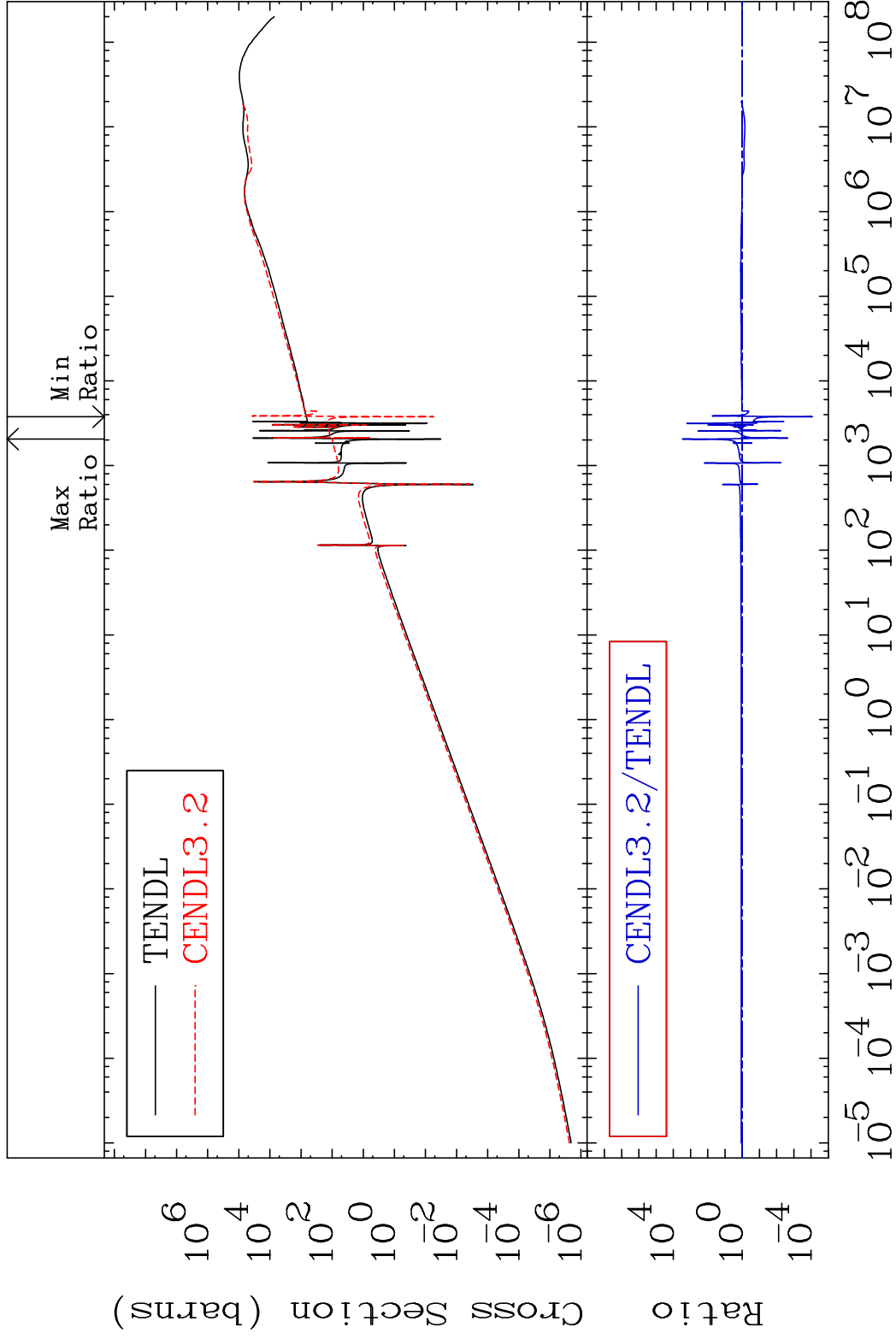
MAT 5449 Kerma total (eV-barns) 54-Xe-132
 Cross Section -328.8 To 9999. %



MAT 5449

Kerma elastic
Cross Section

54-Xe-132
-99.99 To 9999. %

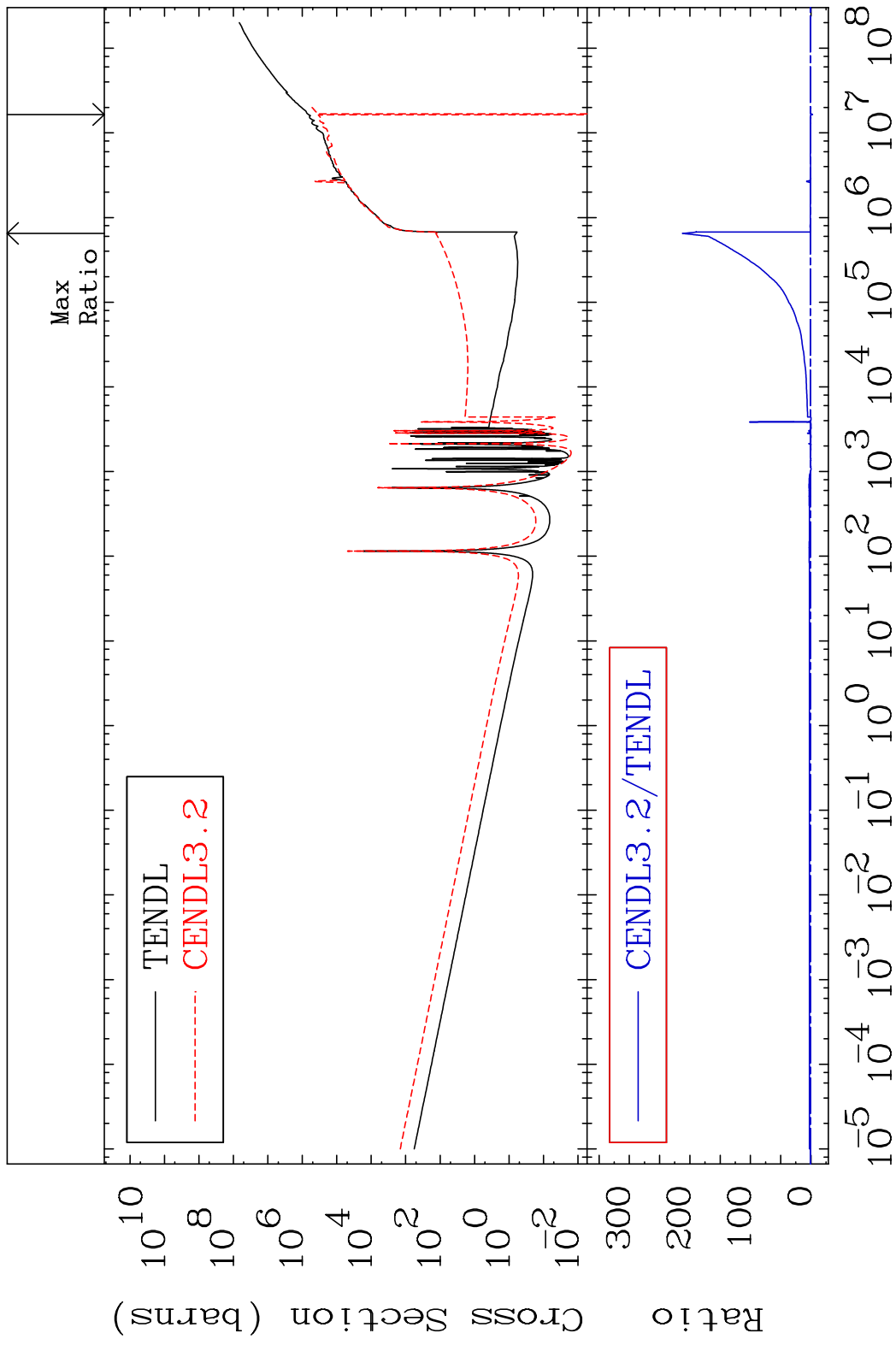


37

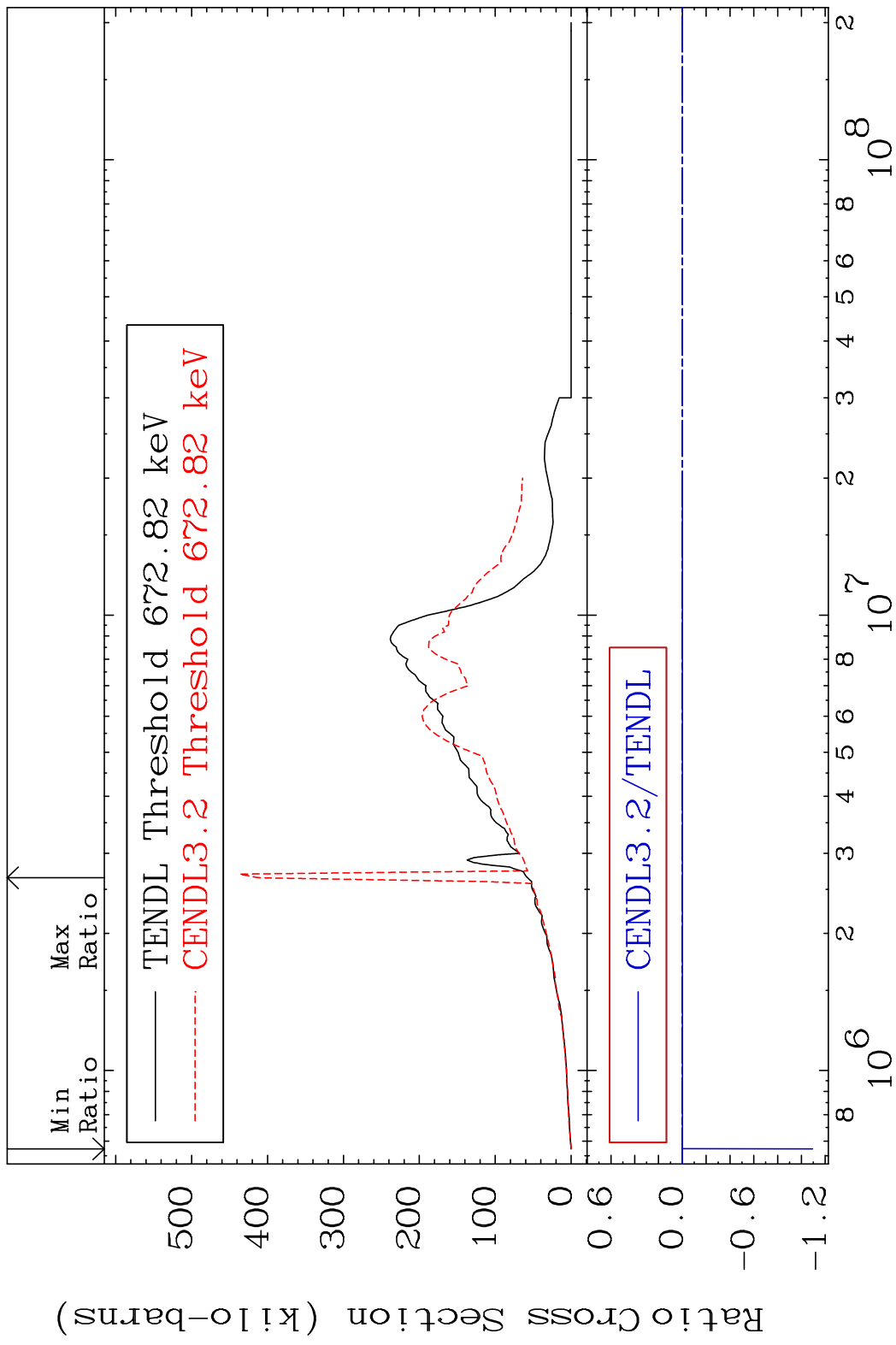
Incident Energy (eV)

54-Xe-132

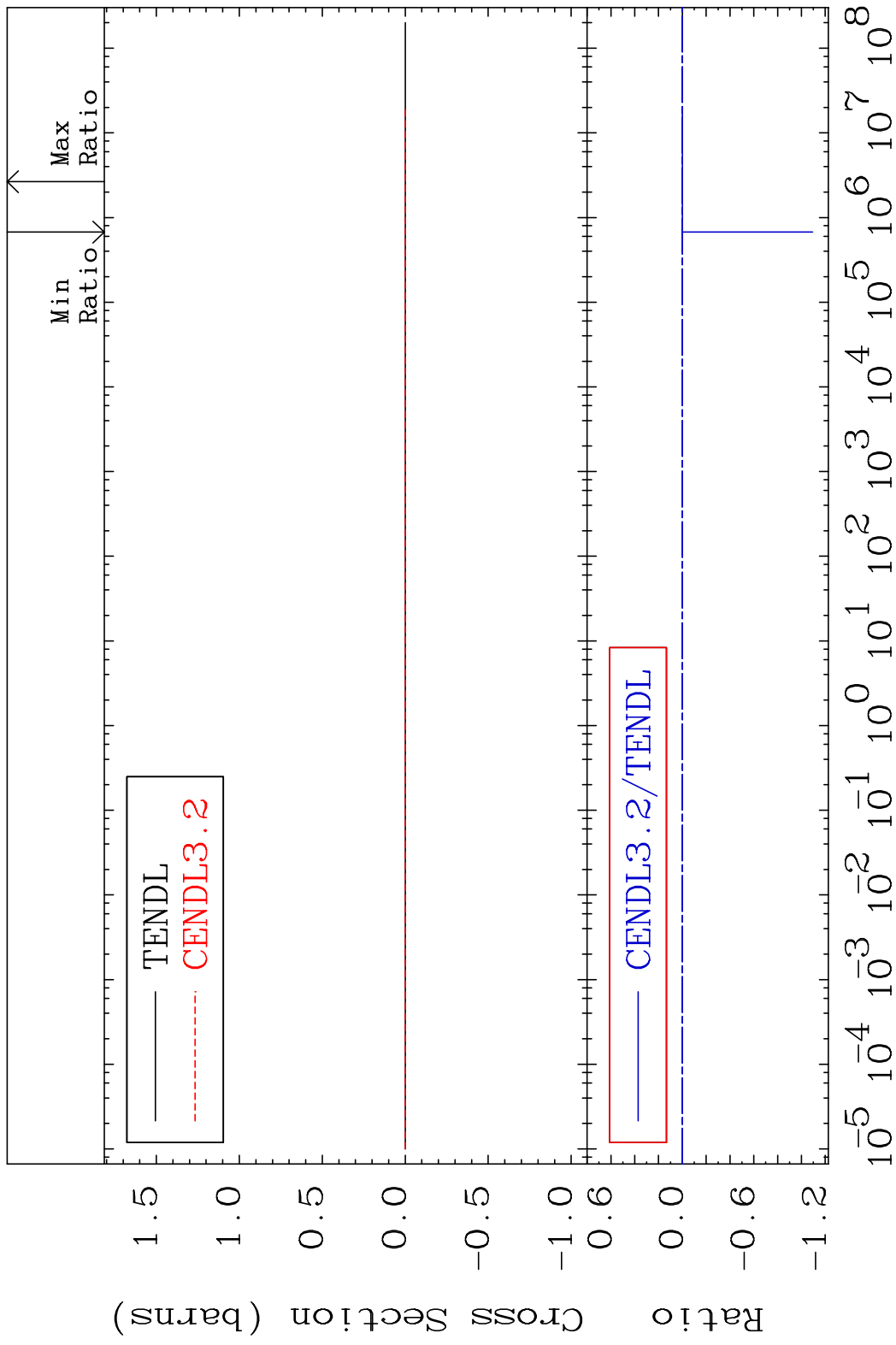
MAT 5449 Kerma non-elastic (all but mt2) 54-Xe-132
 Cross Section -362.2 To 9999. %



MAT 5449 Kerma inelastic (mt51-91) 54-Xe-132
 Cross Section -9999. To 617.3 %



MAT 5449 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-132
 Cross Section -9999. To 617.3 %



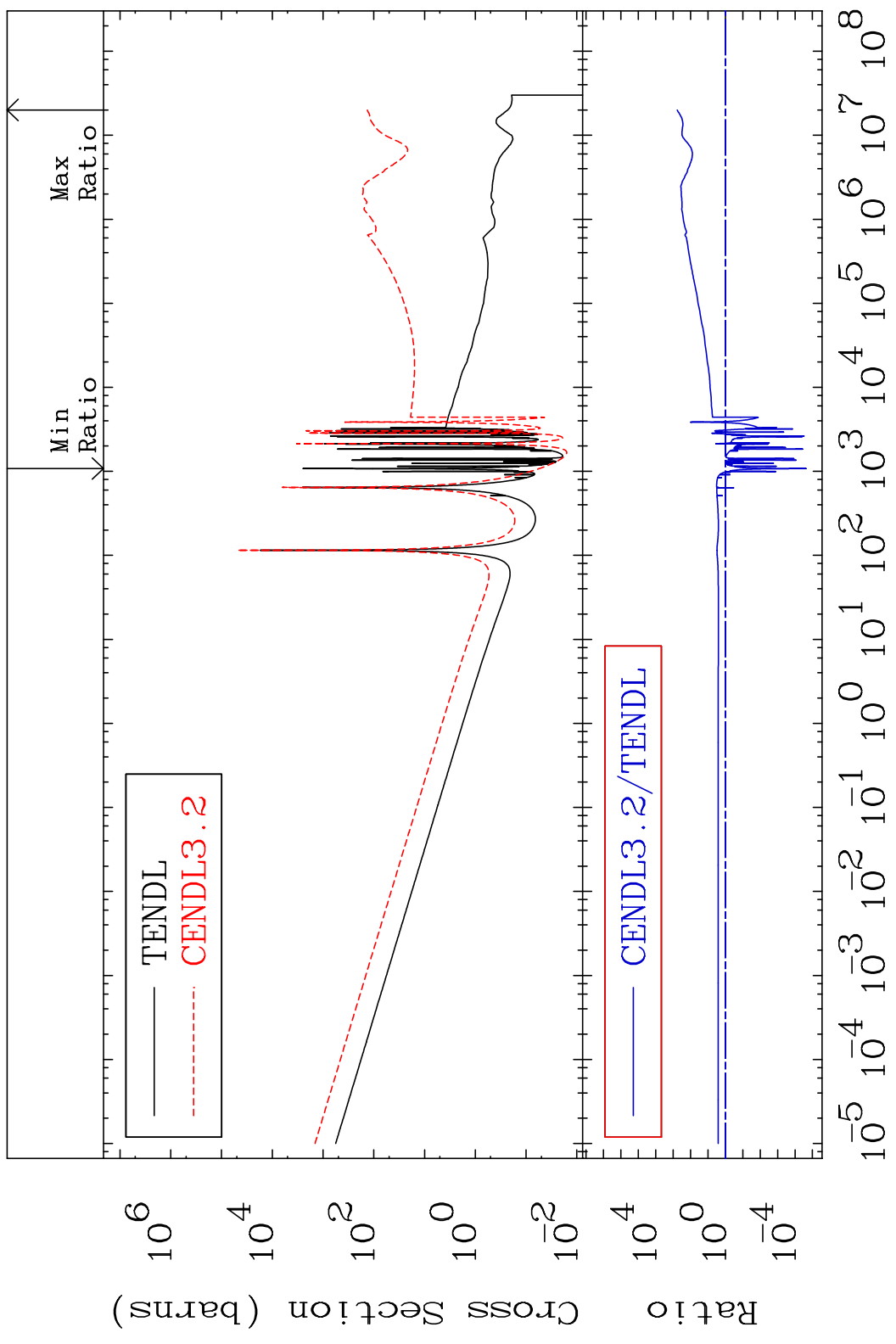
40

Incident Energy (eV)

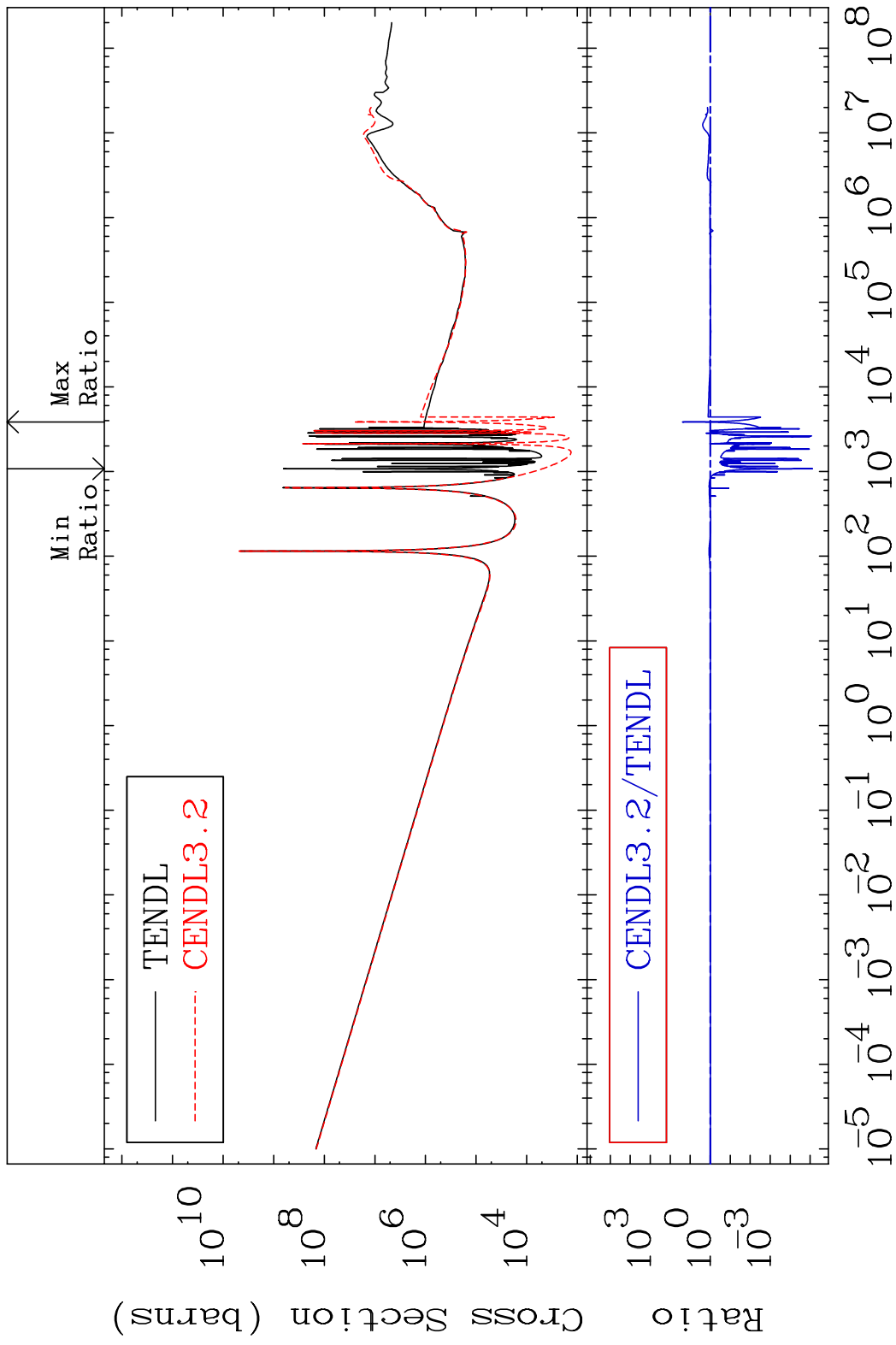
54-Xe-132

MAT 5449

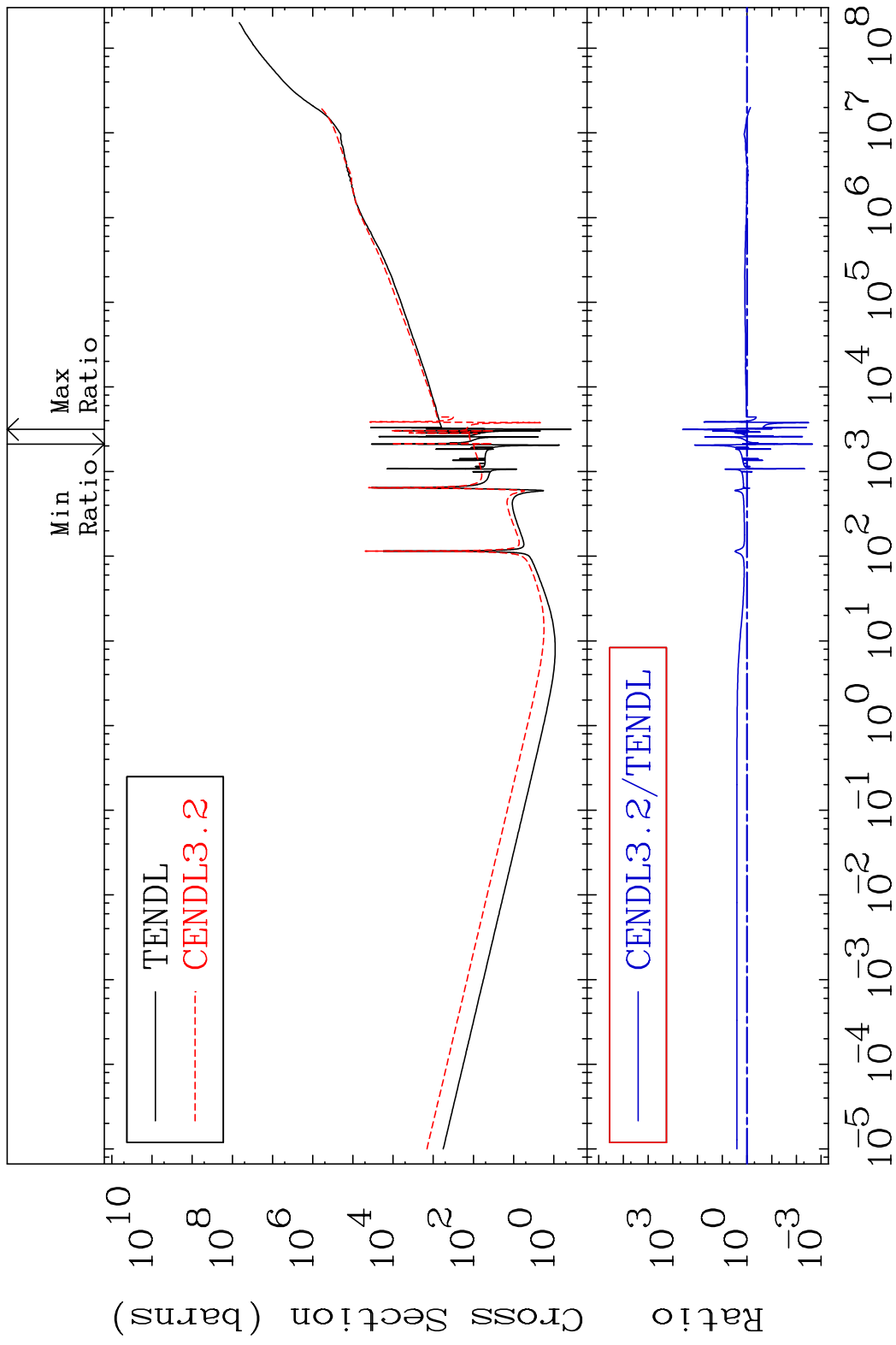
Kerma capture (mt102) 54-Xe-132
Cross Section -100.0 To 9999. %



MAT 5449 Total photon (eV-barns) 54-Xe-132
 Cross Section -100.0 To 2376. %



MAT 5449 Total kinematic kerma (high limit) 54-Xe-132
 Cross Section -99.78 To 9999. %

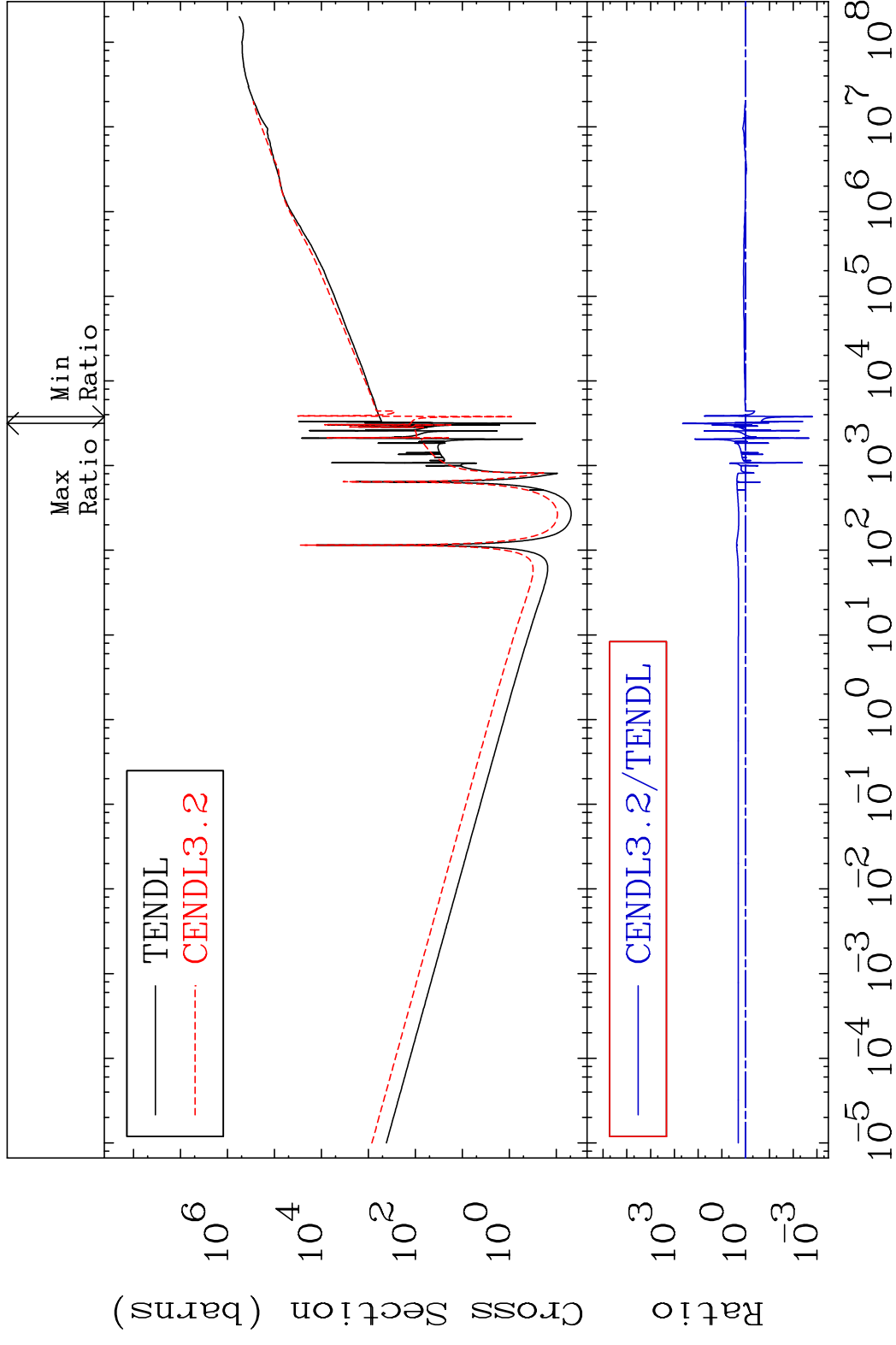


MAT 5449

Dpa total (eV-barns)

54-Xe-132

Cross Section -99.85 To 9999. %



44

Incident Energy (eV)

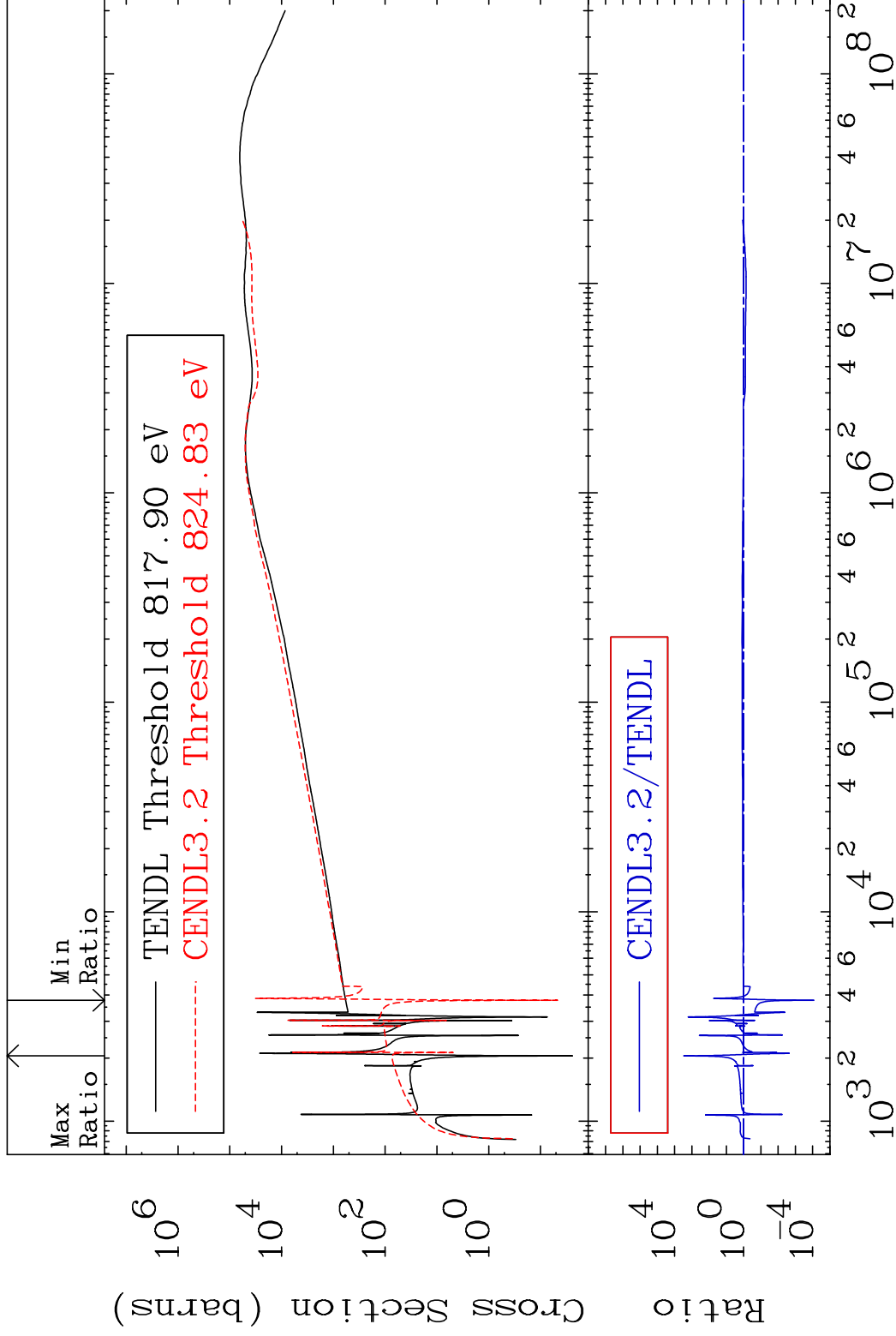
54-Xe-132

MAT 5449

Dpa elastic (mt2)

54-Xe-132

Cross Section -99.99 To 9999. %

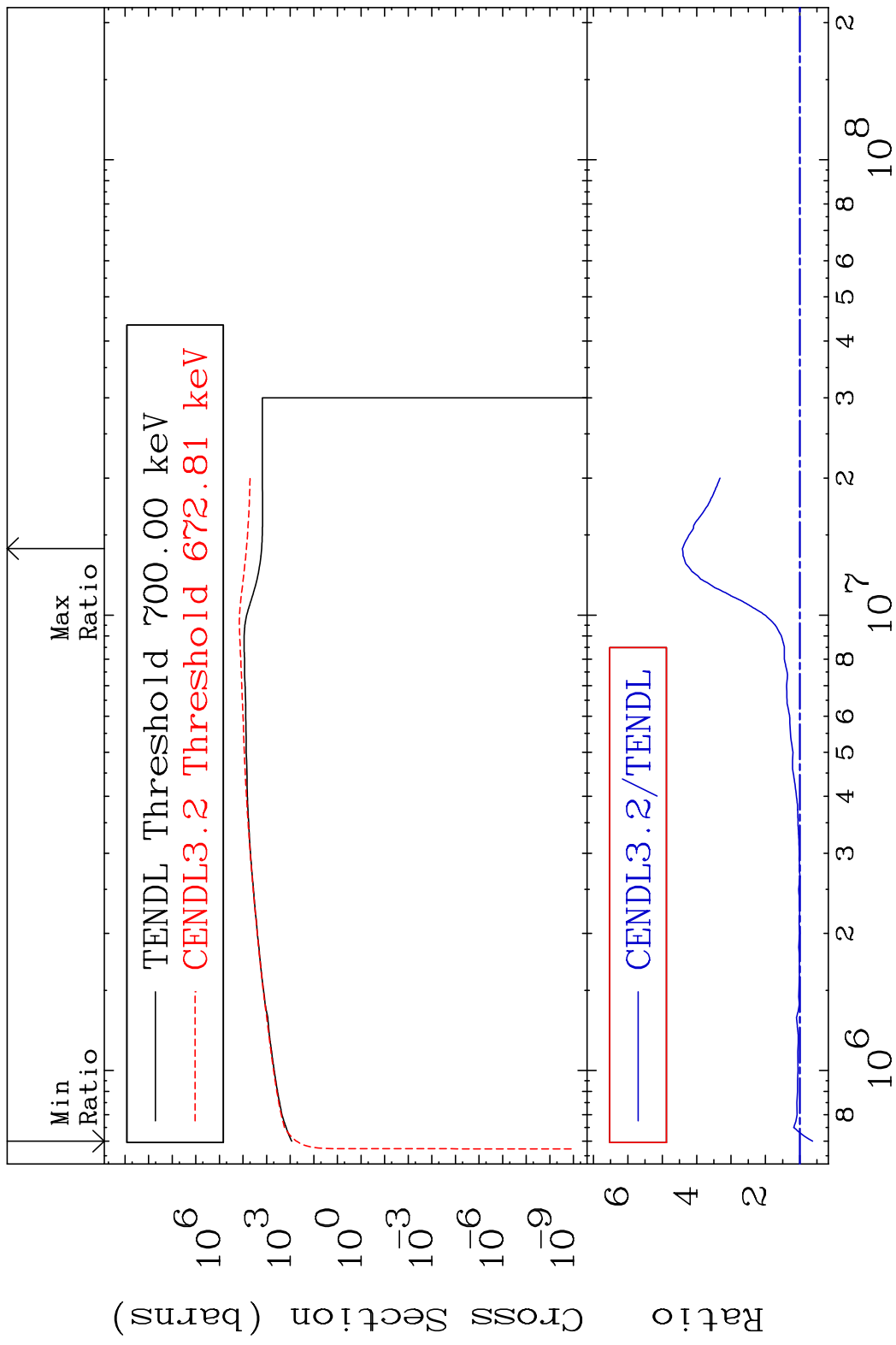


45

Incident Energy (eV)

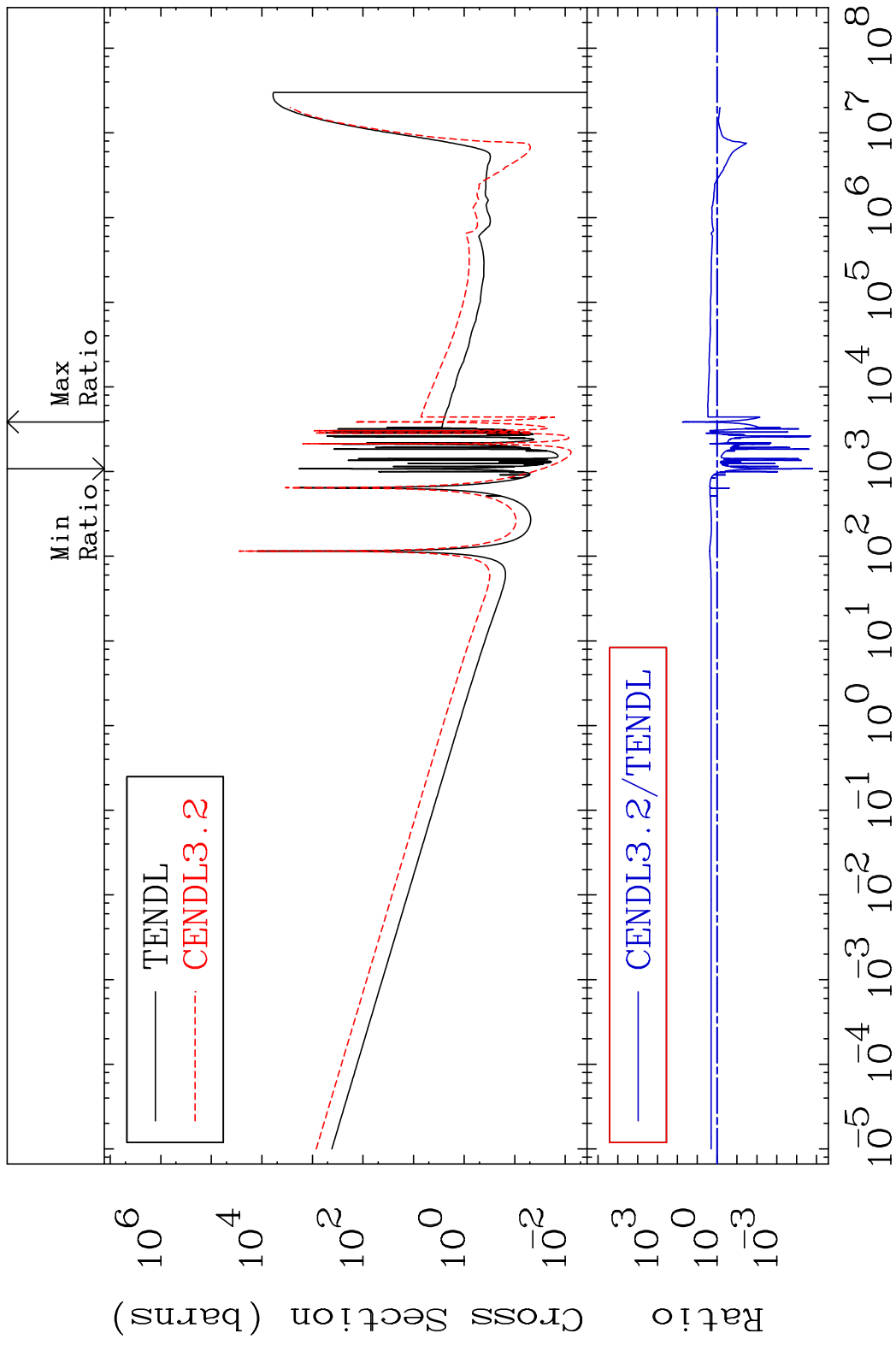
54-Xe-132

MAT 5449 Dpa inelastic (mt51-91) 54-Xe-132
 Cross Section -37.00 To 341.6 %

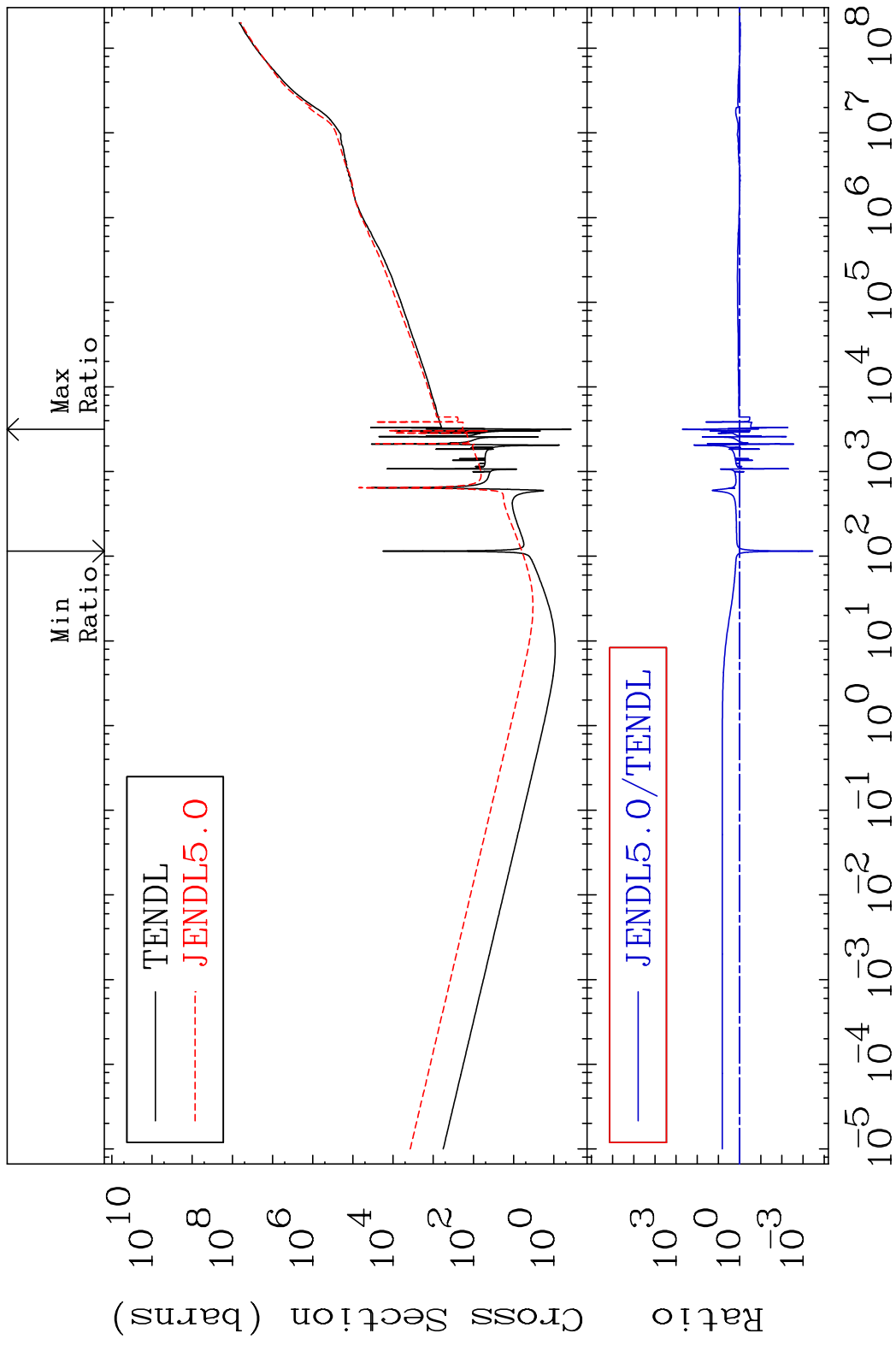


46 Incident Energy (eV) 54-Xe-132

MAT 5449 Dpa disappearance (mt102 -120) 54-Xe-132
 Cross Section -100.0 To 5546. %



MAT 5449 Total kinematic kerma (high limit) 54-Xe-132
 Cross Section -99.96 To 9999. %

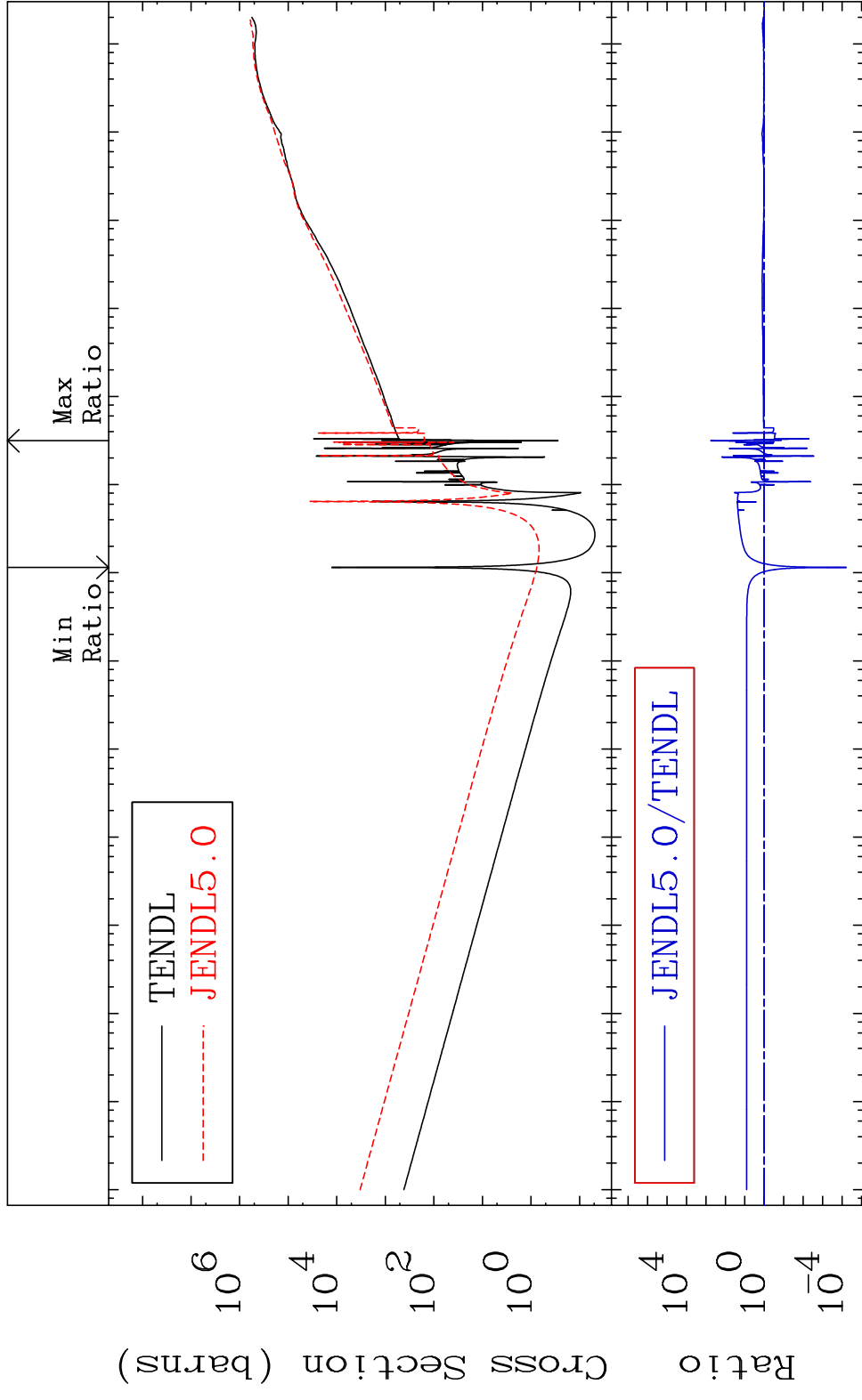


MAT 5449

Dpa total (eV-barns)

54-Xe-132

Cross Section -99.99 To 9999. %



49

Incident Energy (eV)

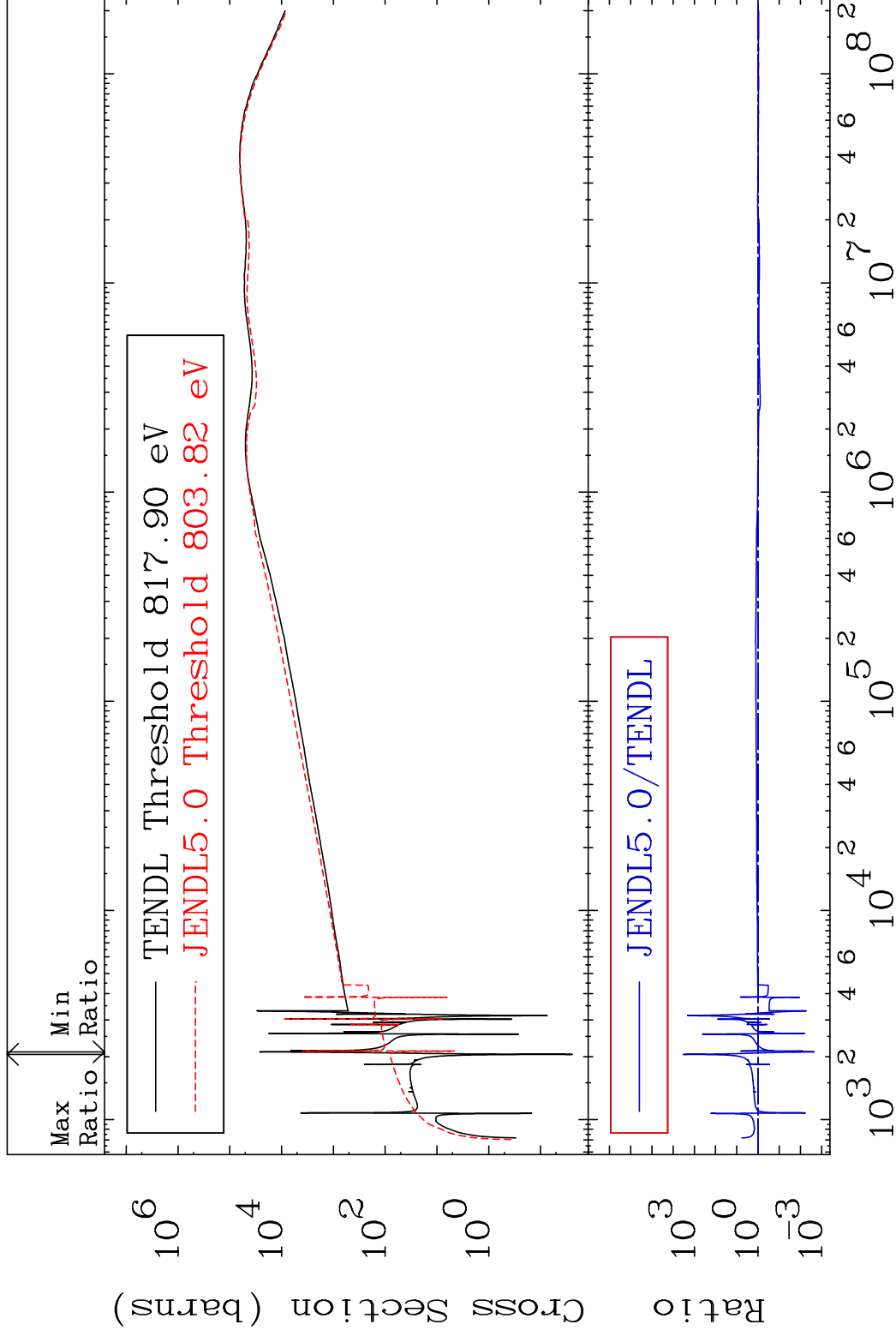
54-Xe-132

MAT 5449

Dpa elastic (mt2)

54-Xe-132

Cross Section -99.777 To 9999. %

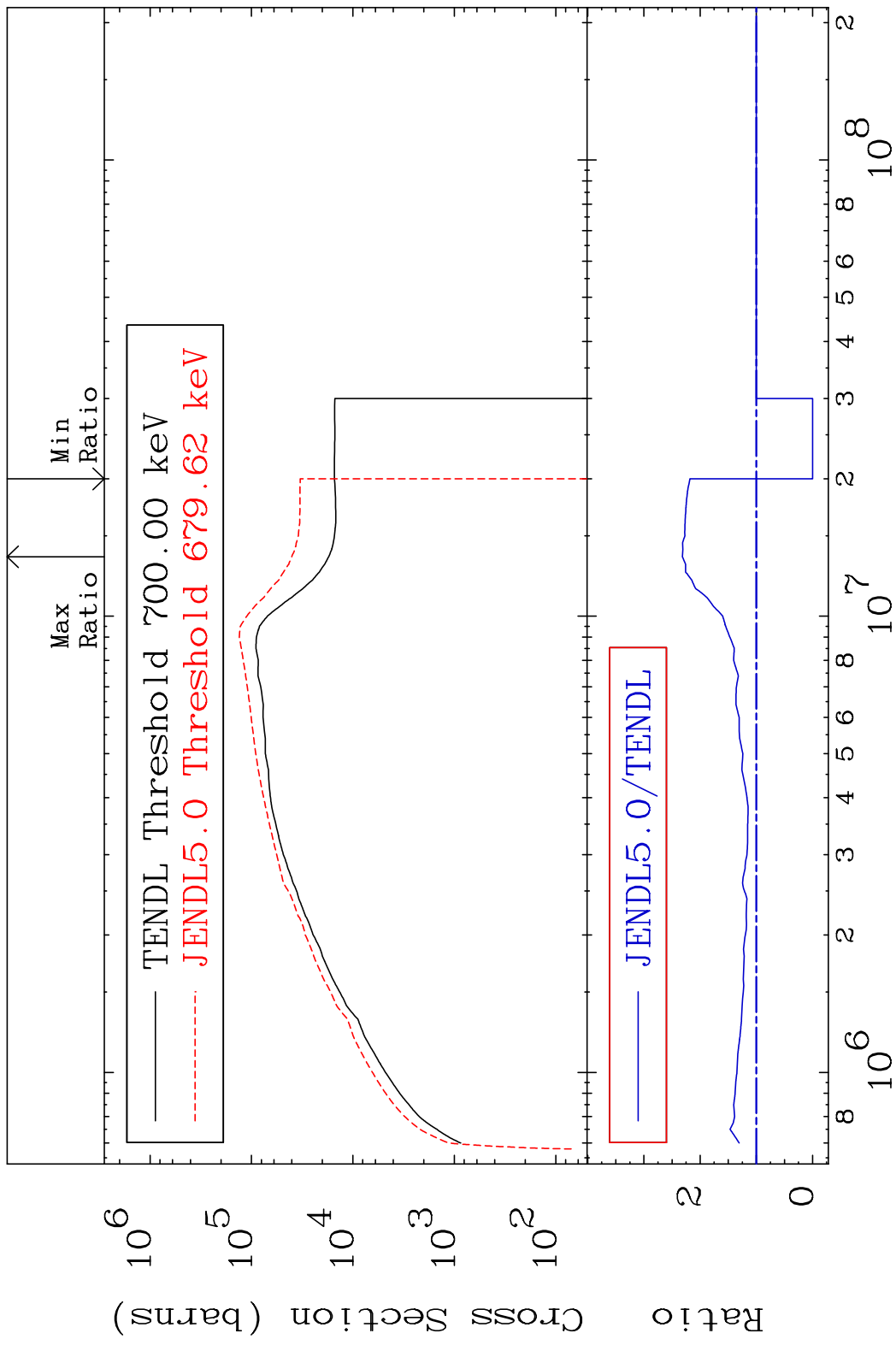


50

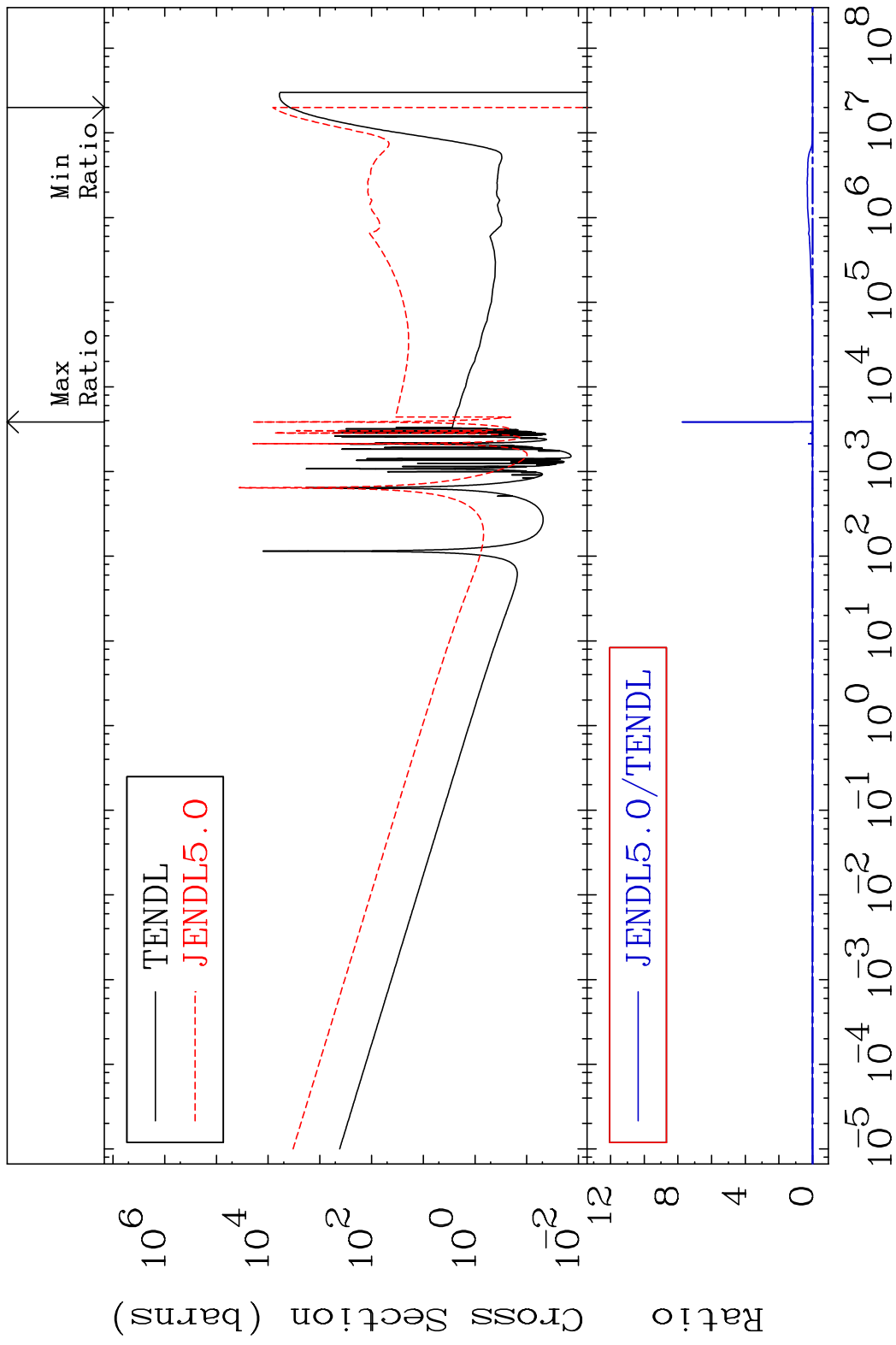
Incident Energy (eV)

54-Xe-132

MAT 5449 Dpa inelastic (mt51-91) 54-Xe-132
 Cross Section -100.0 To 131.6 %

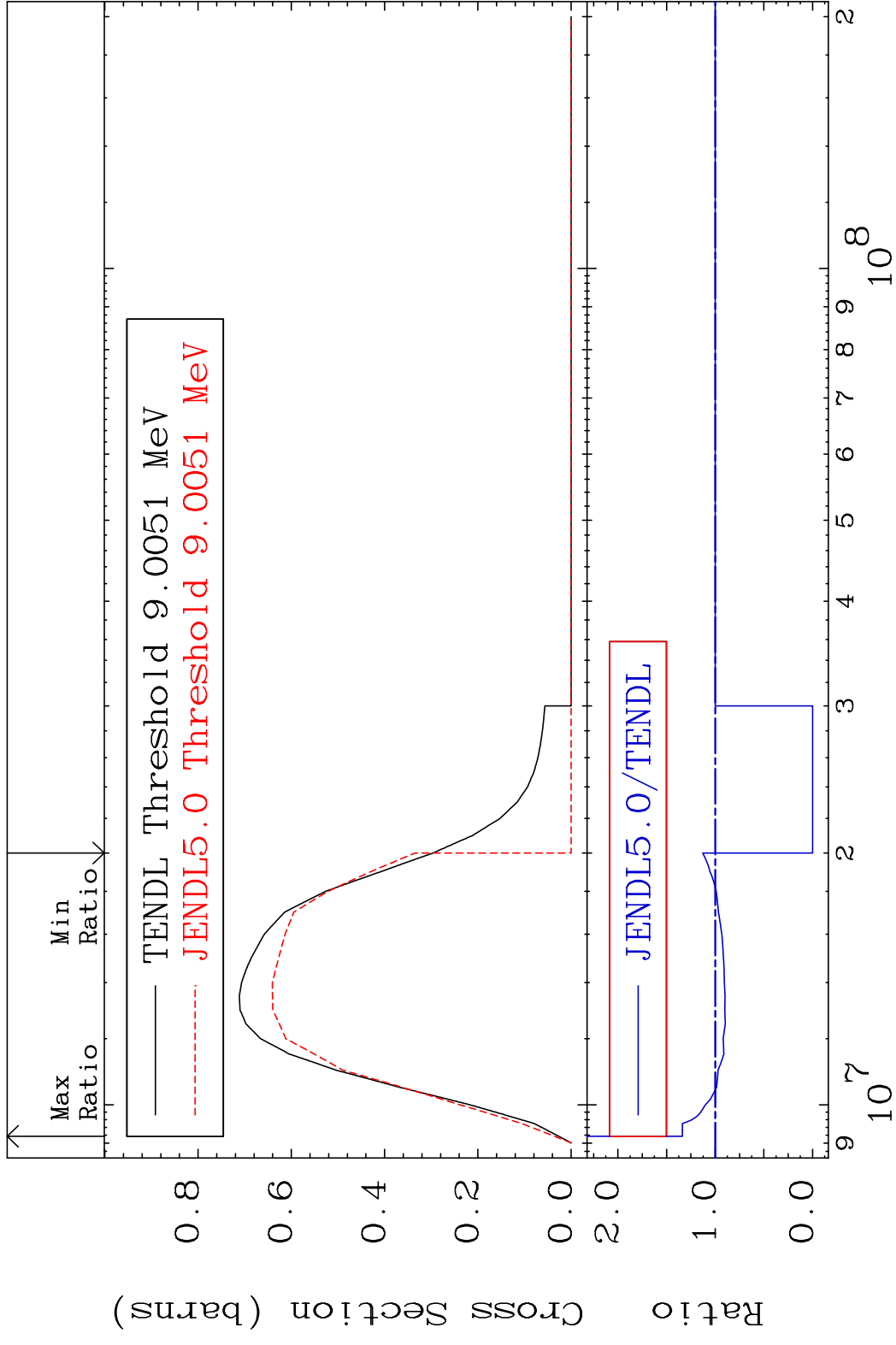


MAT 5449 Dpa disappearance (mt102 -120) 54-Xe-132
 Cross Section -100.0 To 9999. %

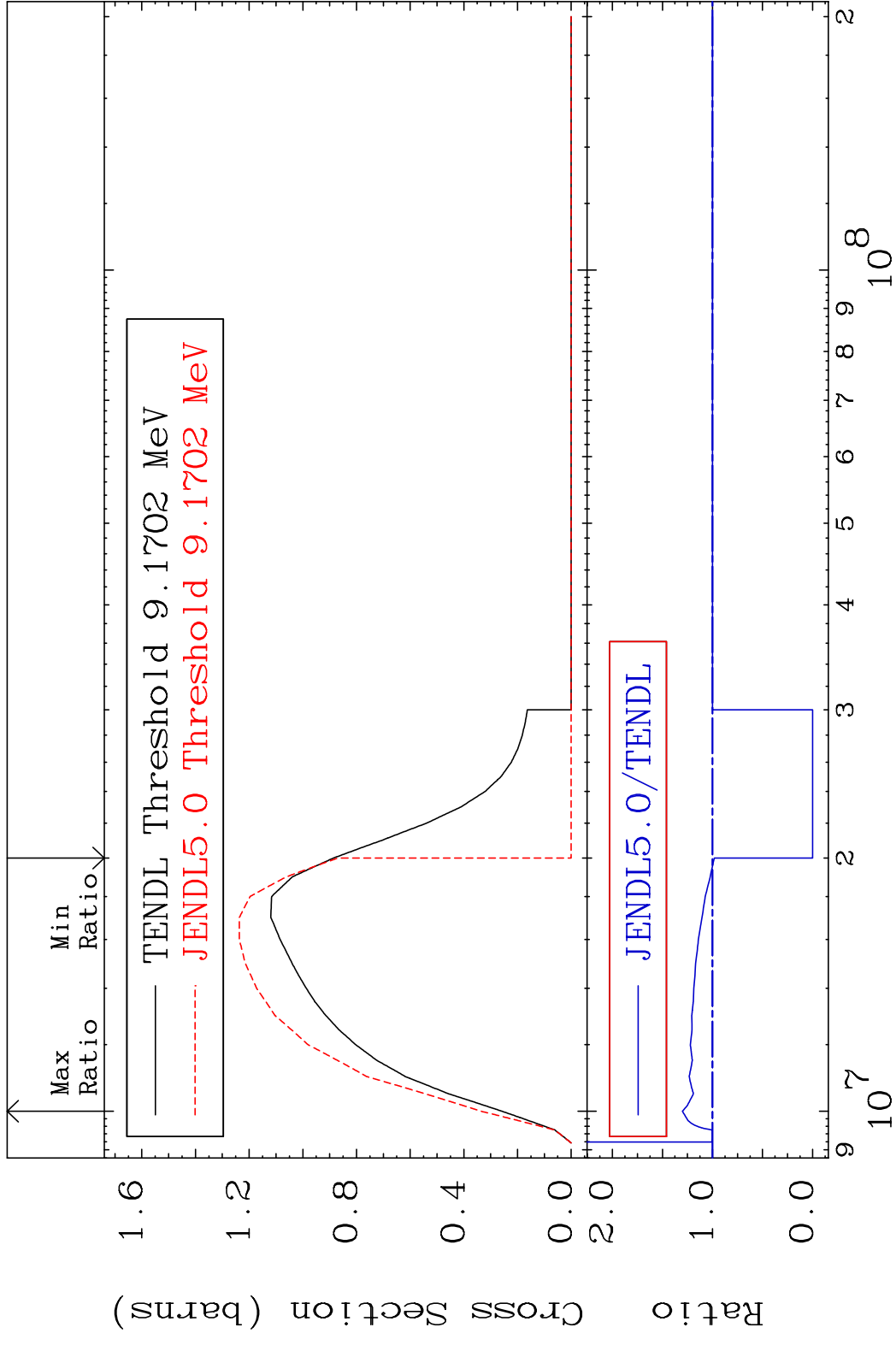


52 Incident Energy (eV) 54-Xe-132

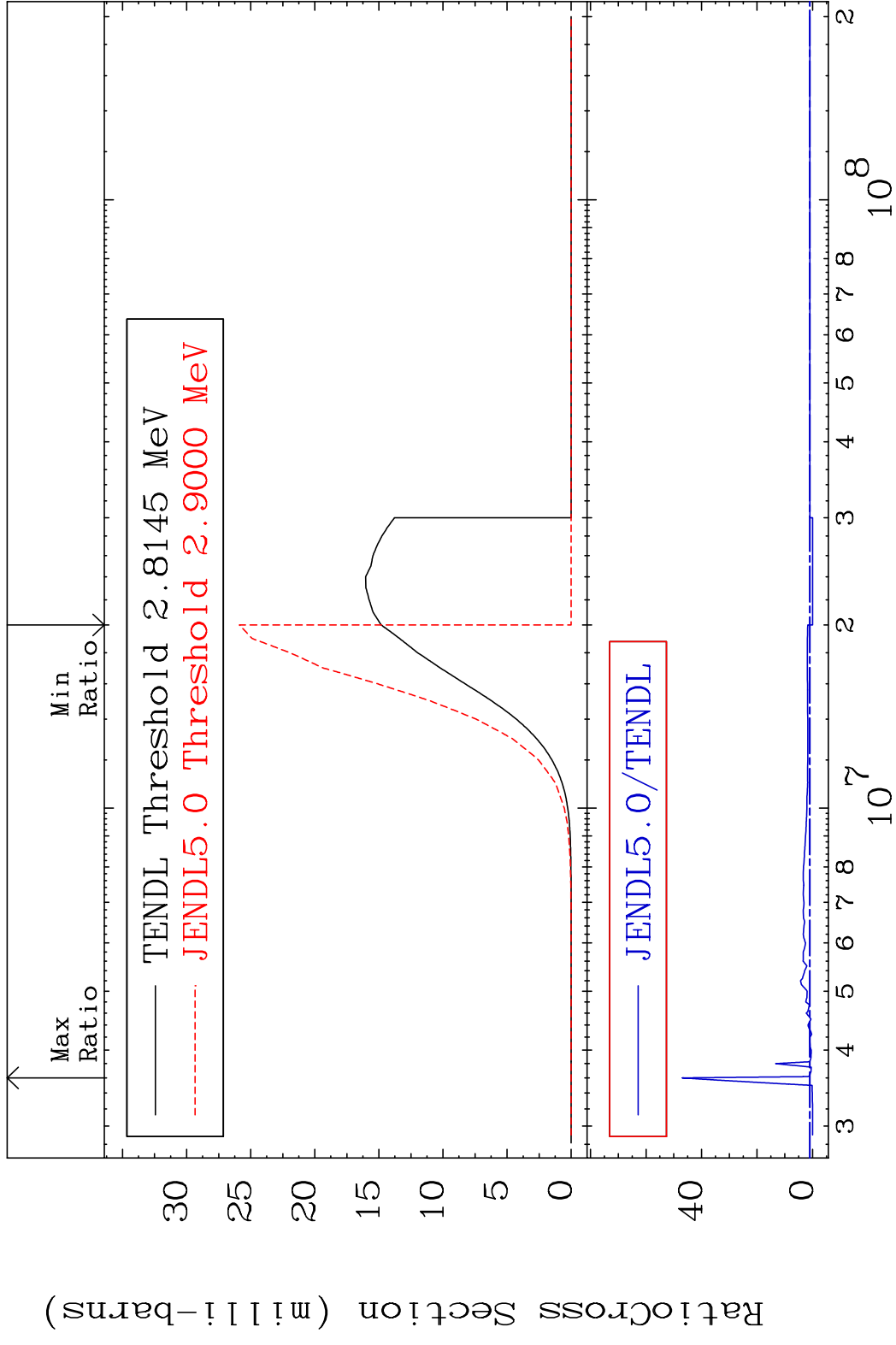
MAT 5449 (n,2n):54-Xe-131g 54-Xe-132
 Radionuclide Production Cross Section 180.01 dth 33.80 %



MAT 5449 (n,2n):54-Xe-131m2 54-Xe-132
 Radionuclide Production Cross Section to 30.11 %



MAT 5449 (n,p):53-I -132g 54-Xe-132
 Radionuclide Production Cross Section 1800.0 dth 4591. %



MAT 5449 (n,p):53-I -132m3 54-Xe-132
 Radionuclide Production Cross Section 1800 d to 1185. %

