

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

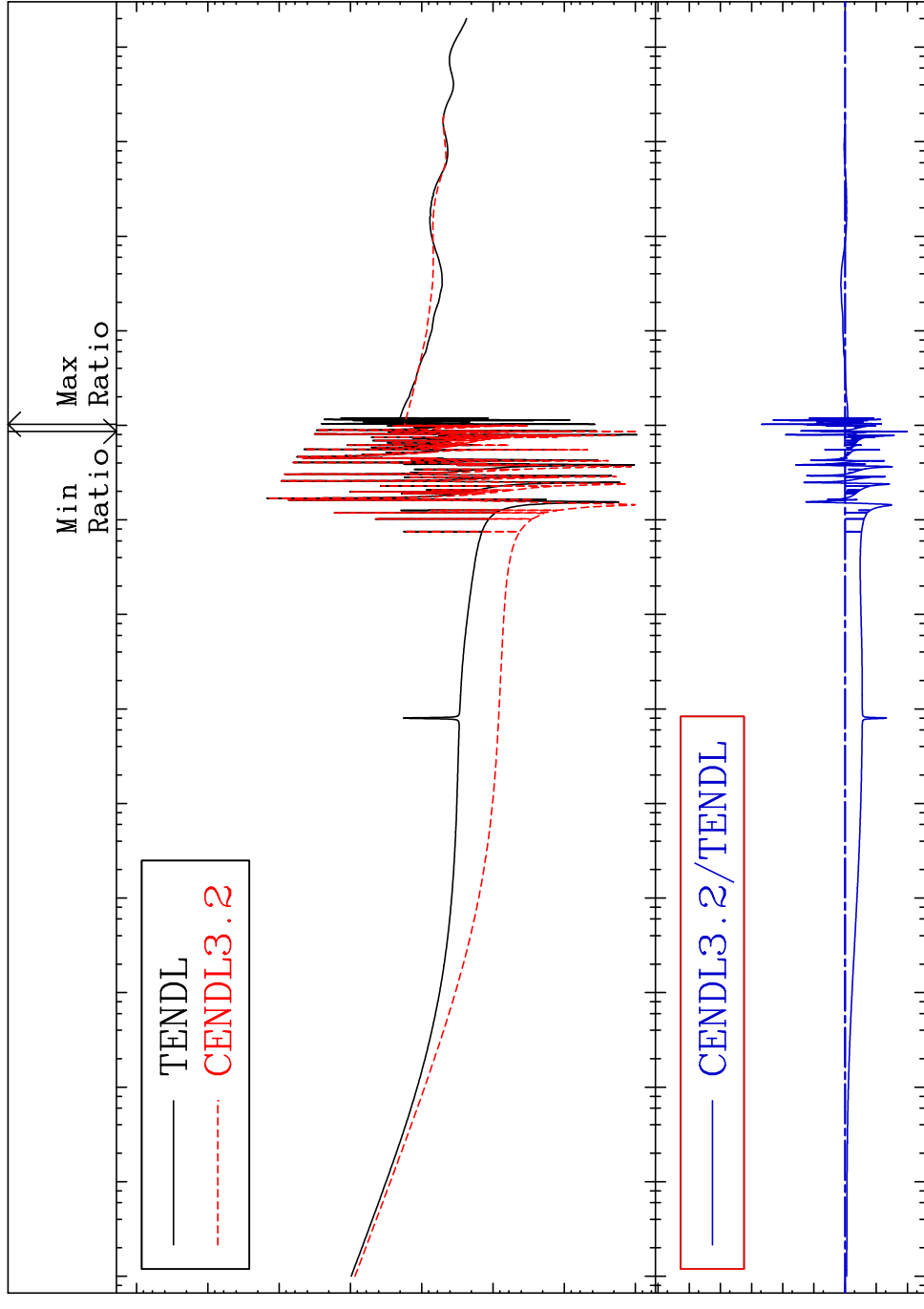
MAT 6225

Total

62-Sm-144

Cross Section

-98.98 To 9999. %



Cross Section (barns)
 10^4
 10^3
 10^2
 10^1
 10^0
 10^{-1}
 10^{-2}
Ratio
 10^3
 10^0

10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

1

Incident Energy (eV)

62-Sm-144

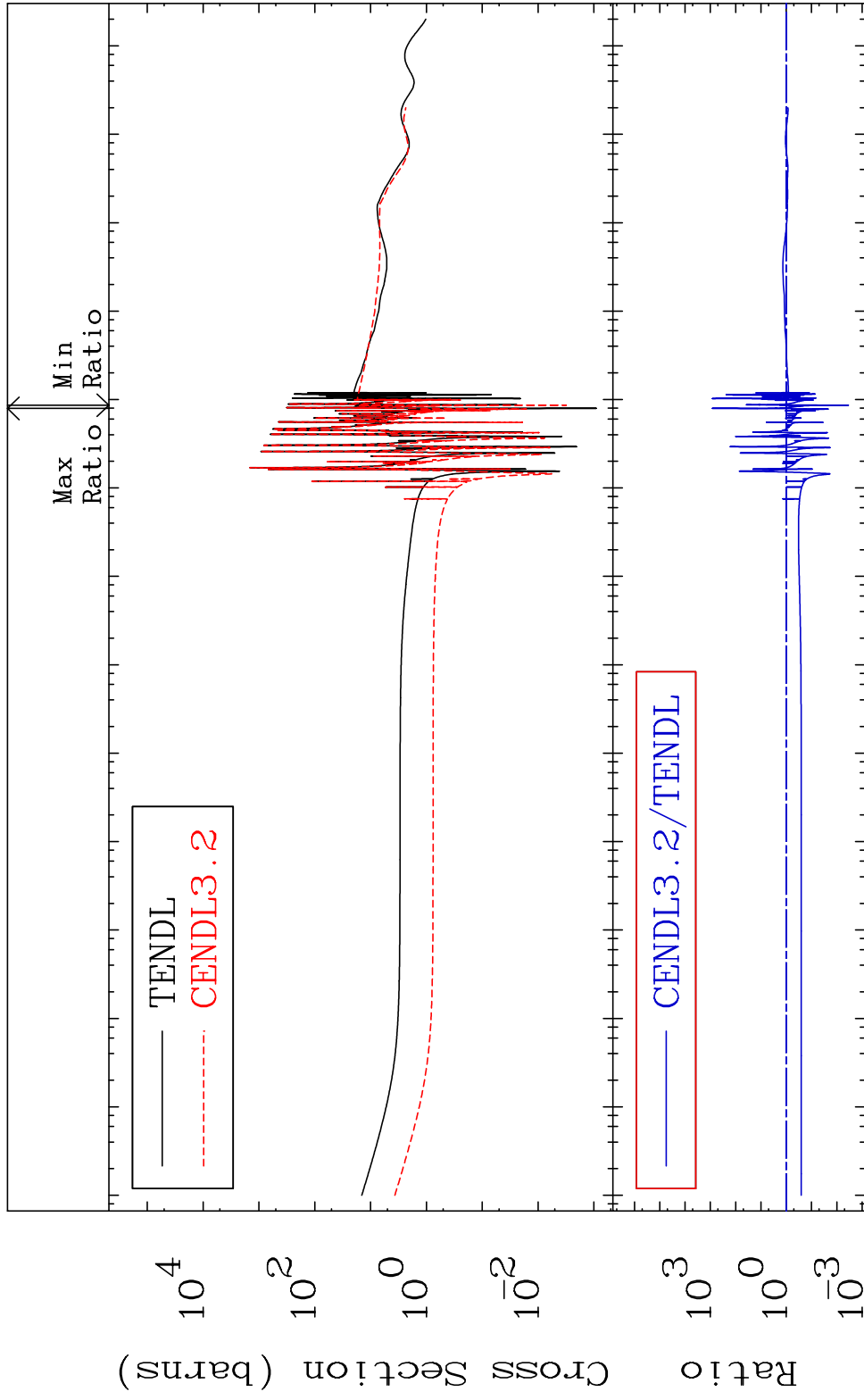
MAT 6225

Elastic

62-Sm-144

Cross Section

-99.65 To 9999. %

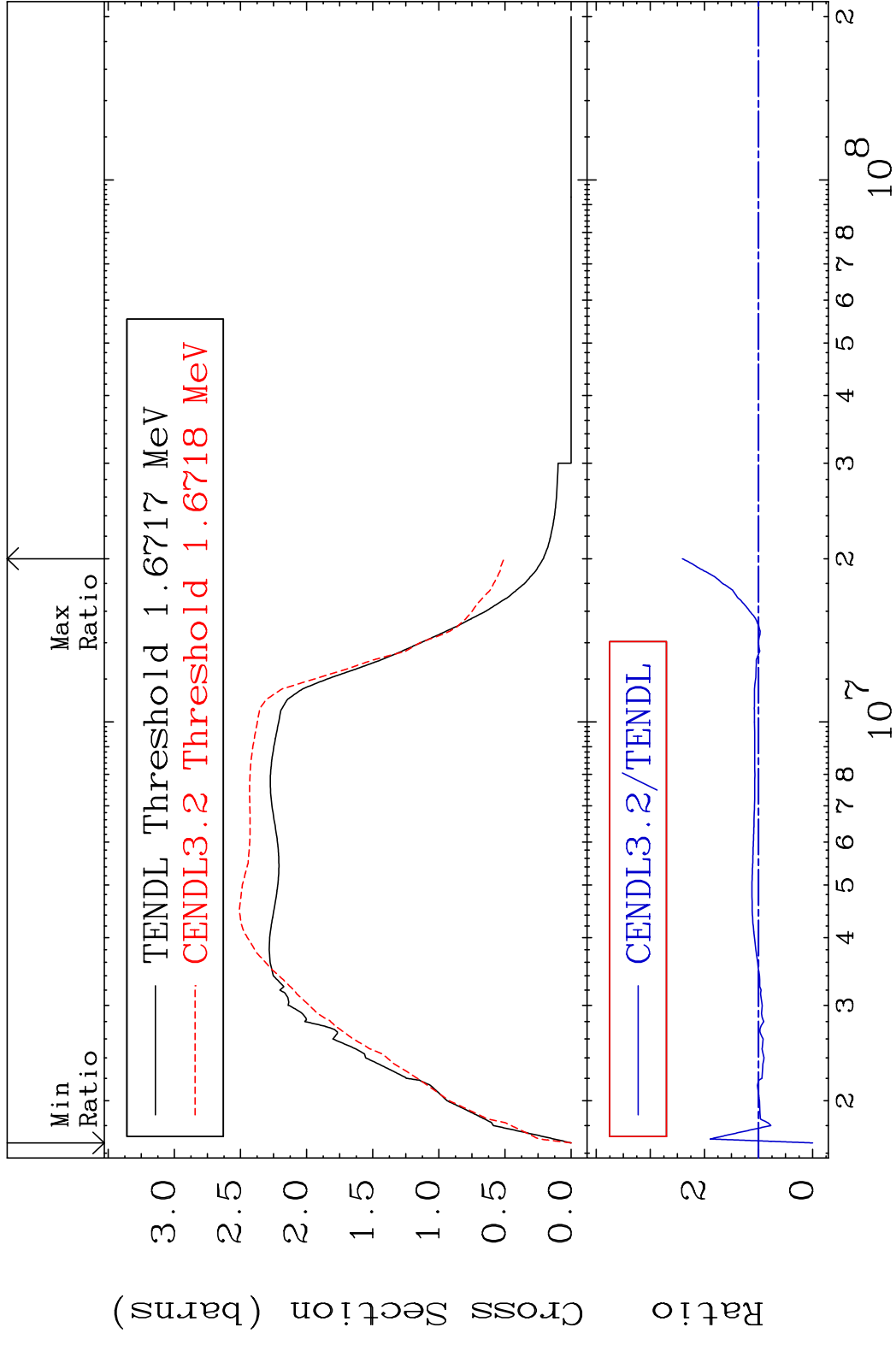


2

Incident Energy (eV)

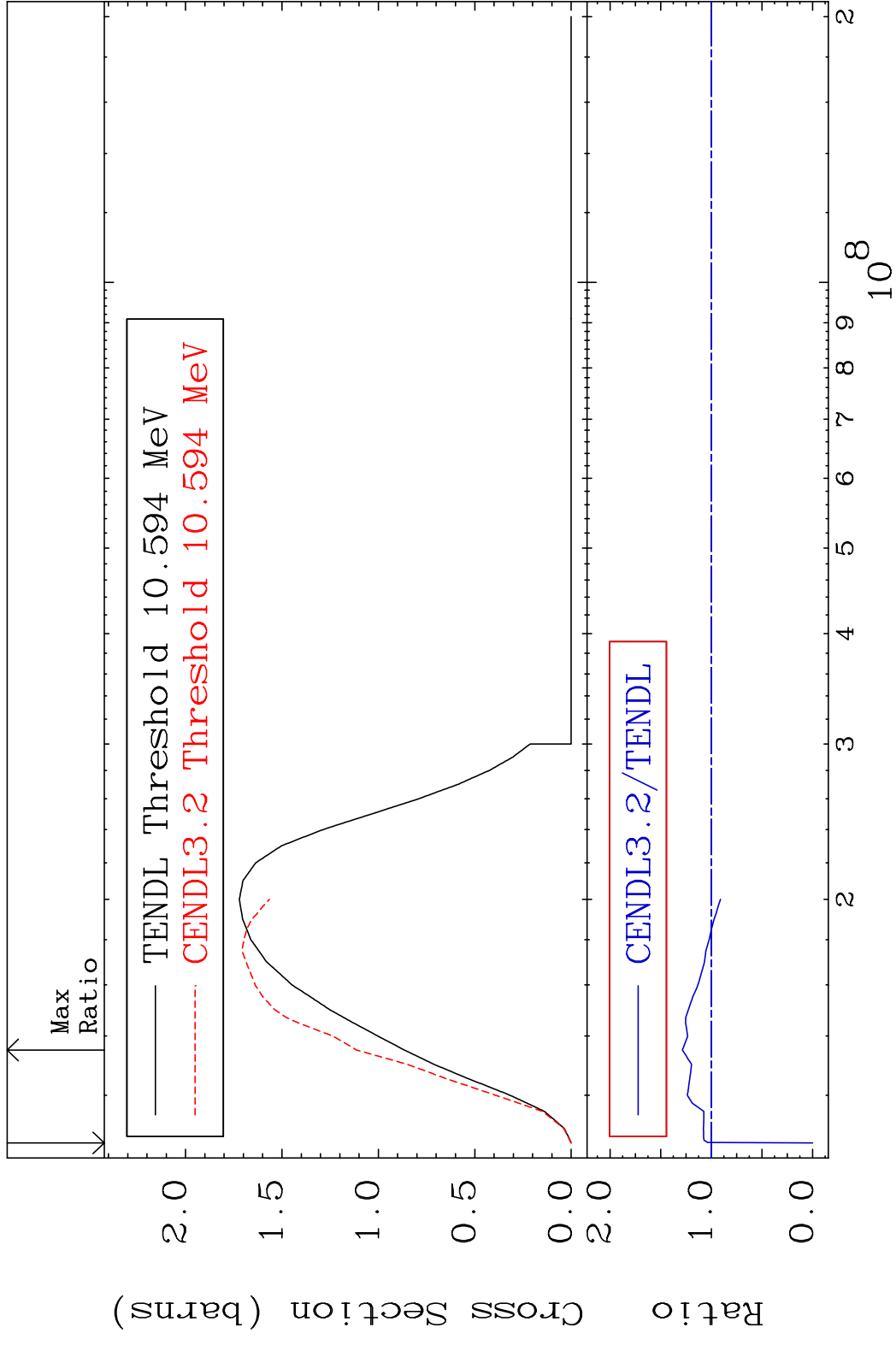
62-Sm-144

MAT 6225 Inelastic 62-Sm-144
 Cross Section -100.0 To 140.8 %



3 Incident Energy (eV) 62-Sm-144

MAT 6225 (n,2n) 62-Sm-144
 Cross Section -100.0 To 28.59 %

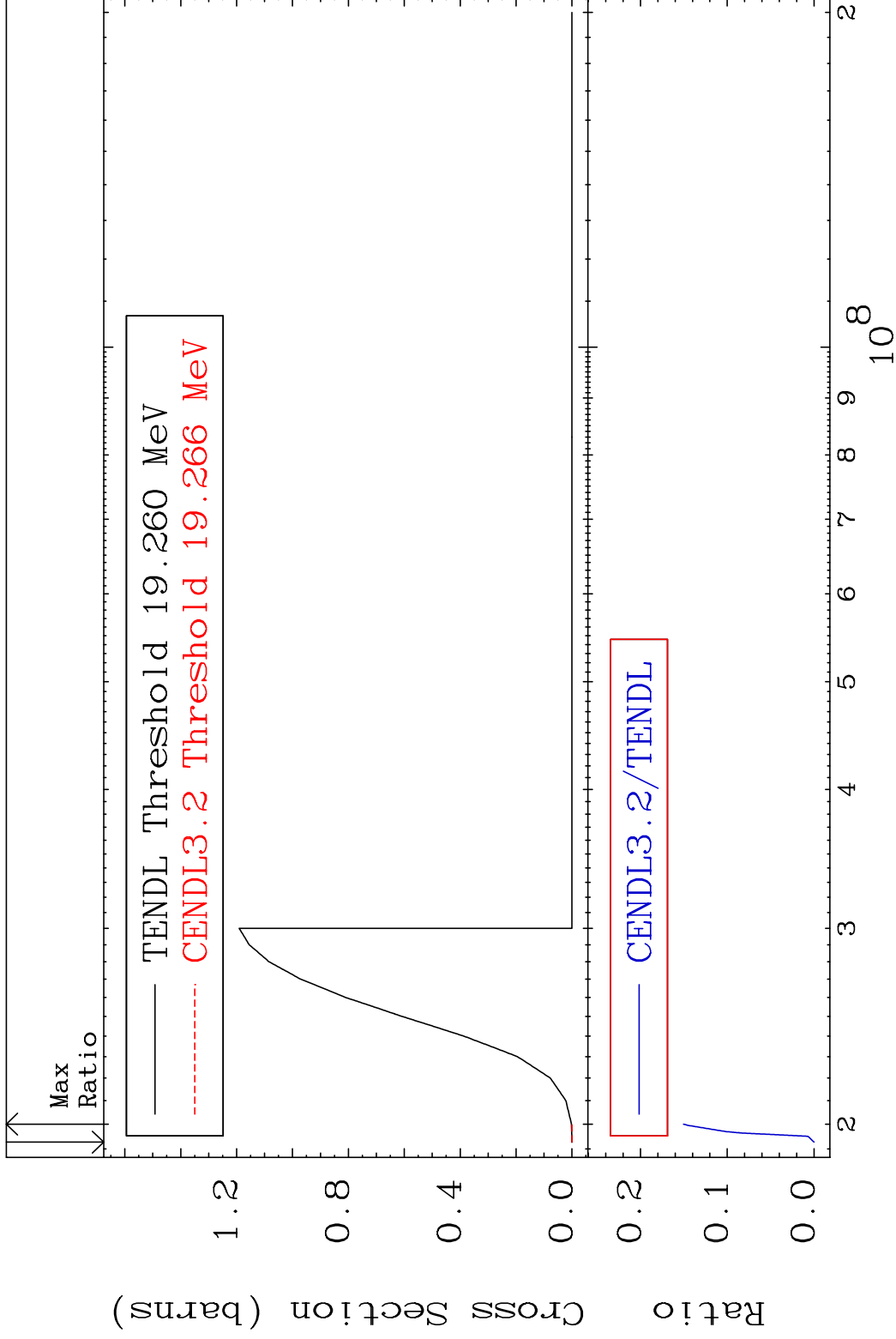


MAT 6225

(n,3n)

62-Sm-144

Cross Section -100.0 To -84.95%

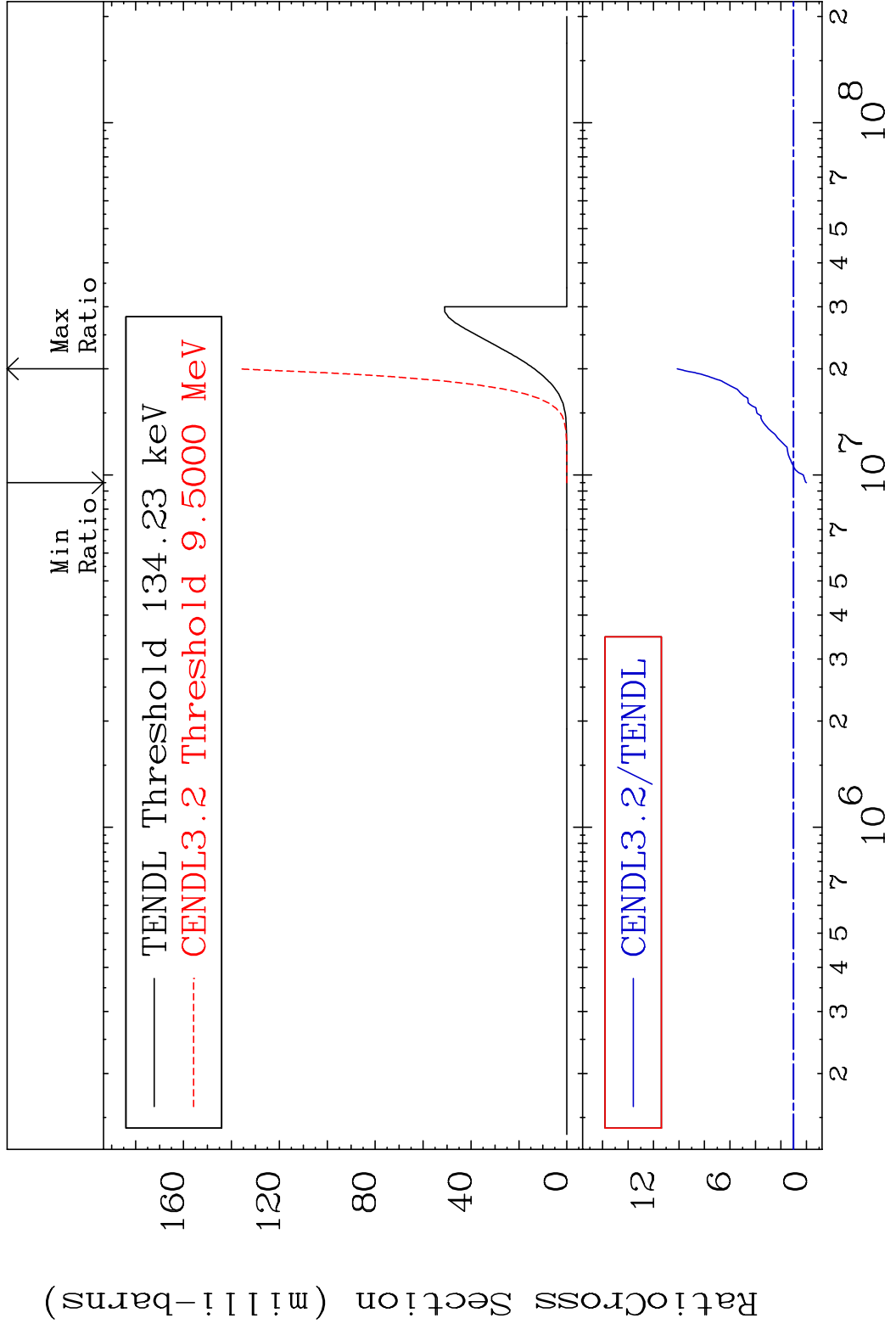


5

Incident Energy (eV)

62-Sm-144

MAT 6225 $(n, n') \alpha$ $^{62}\text{Sm}-144$
 Cross Section -100.0 To 914.0 %

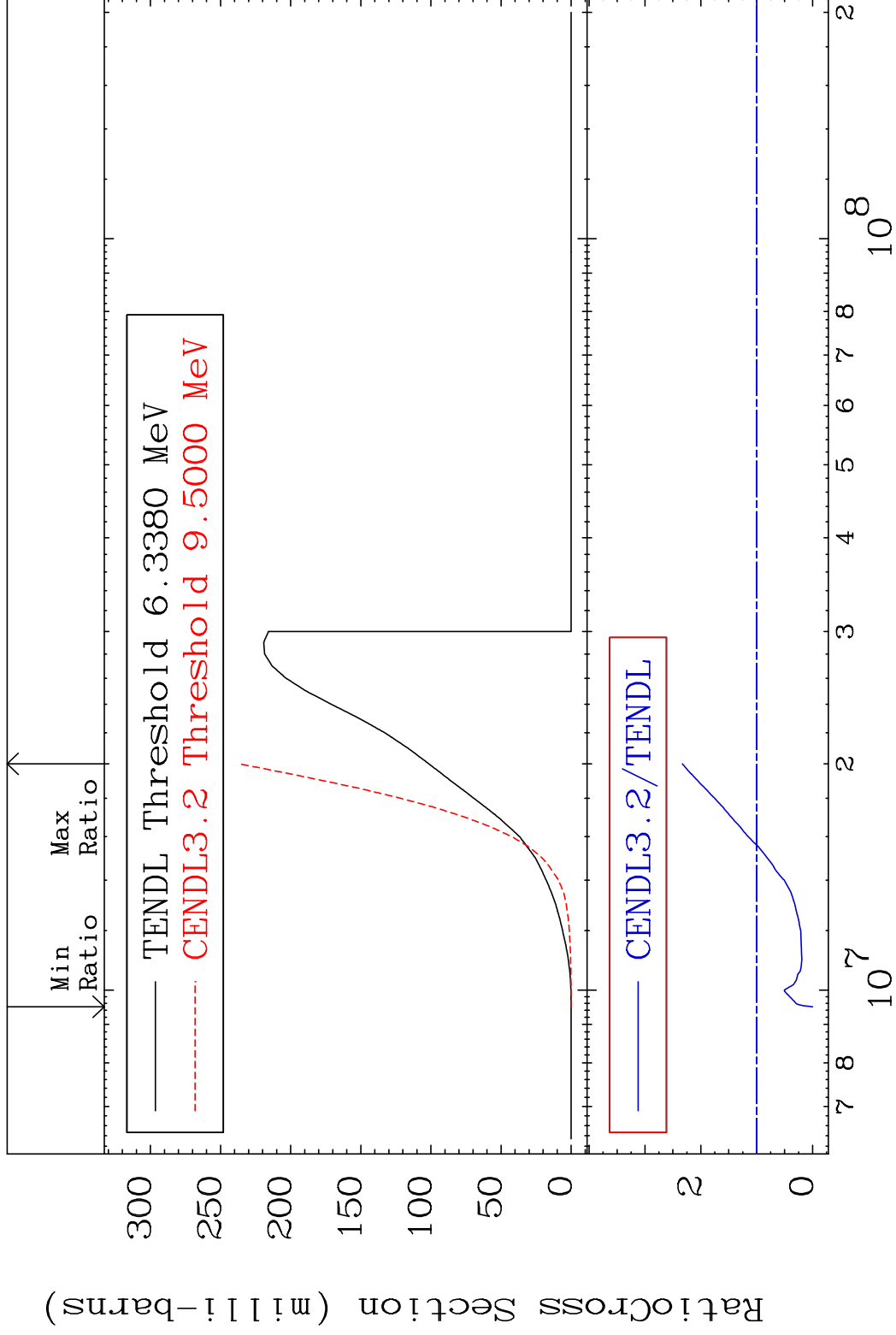


MAT 6225

(n, n') p

62-Sm-144

Cross Section -100.0 To 133.1 %

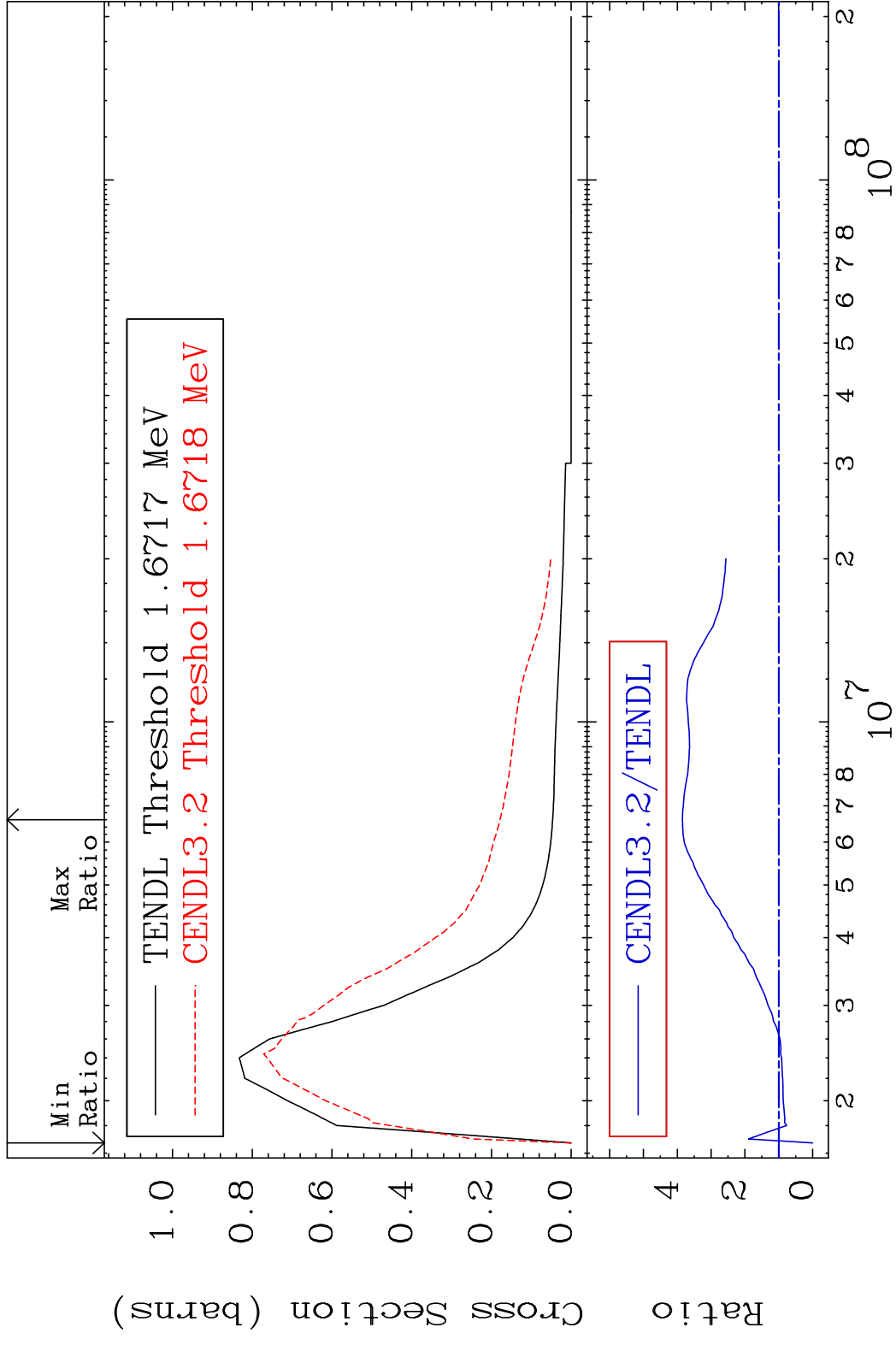


7

Incident Energy (eV)

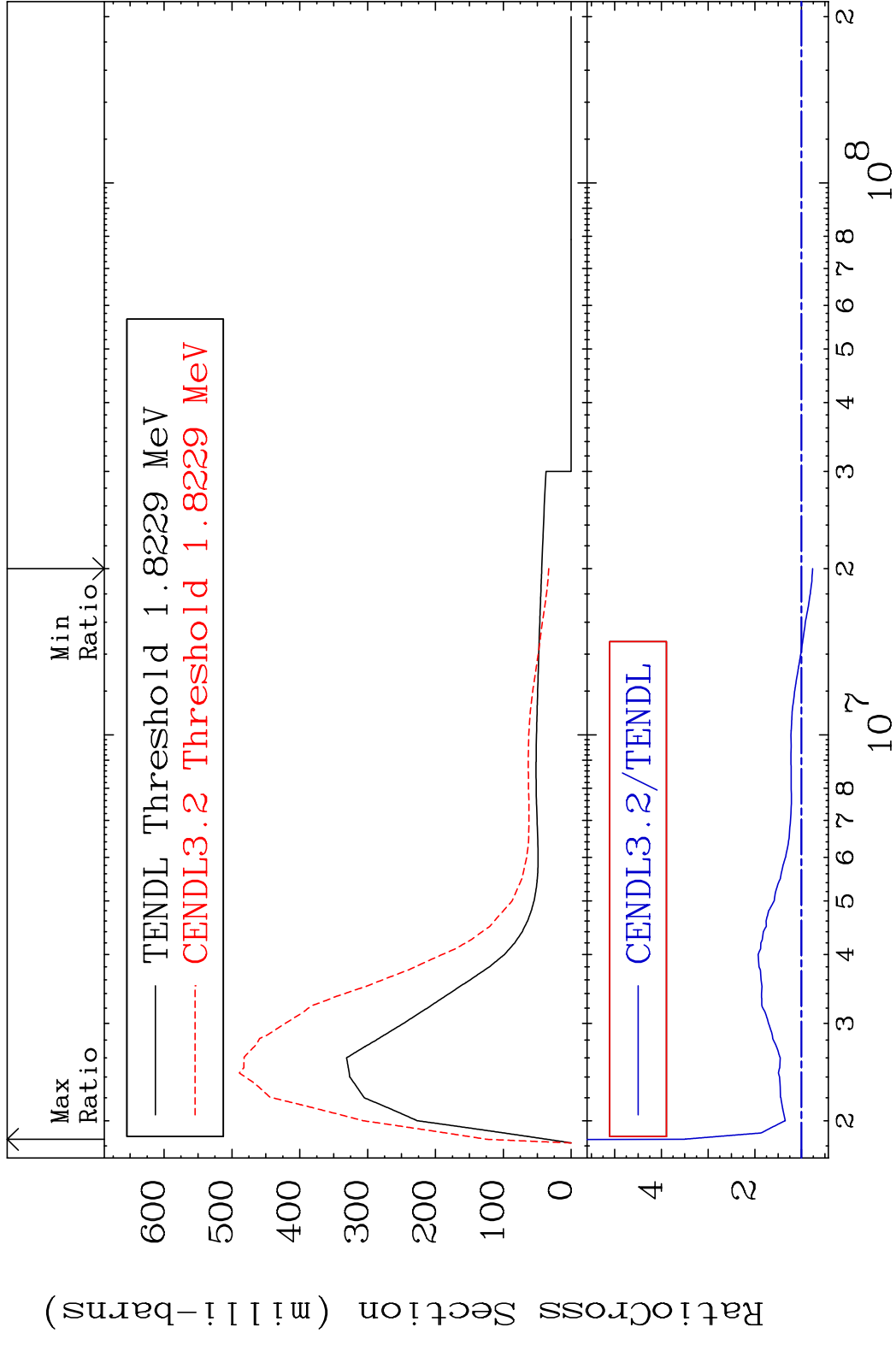
62-Sm-144

MAT 6225 MT= 51 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 285.0 %



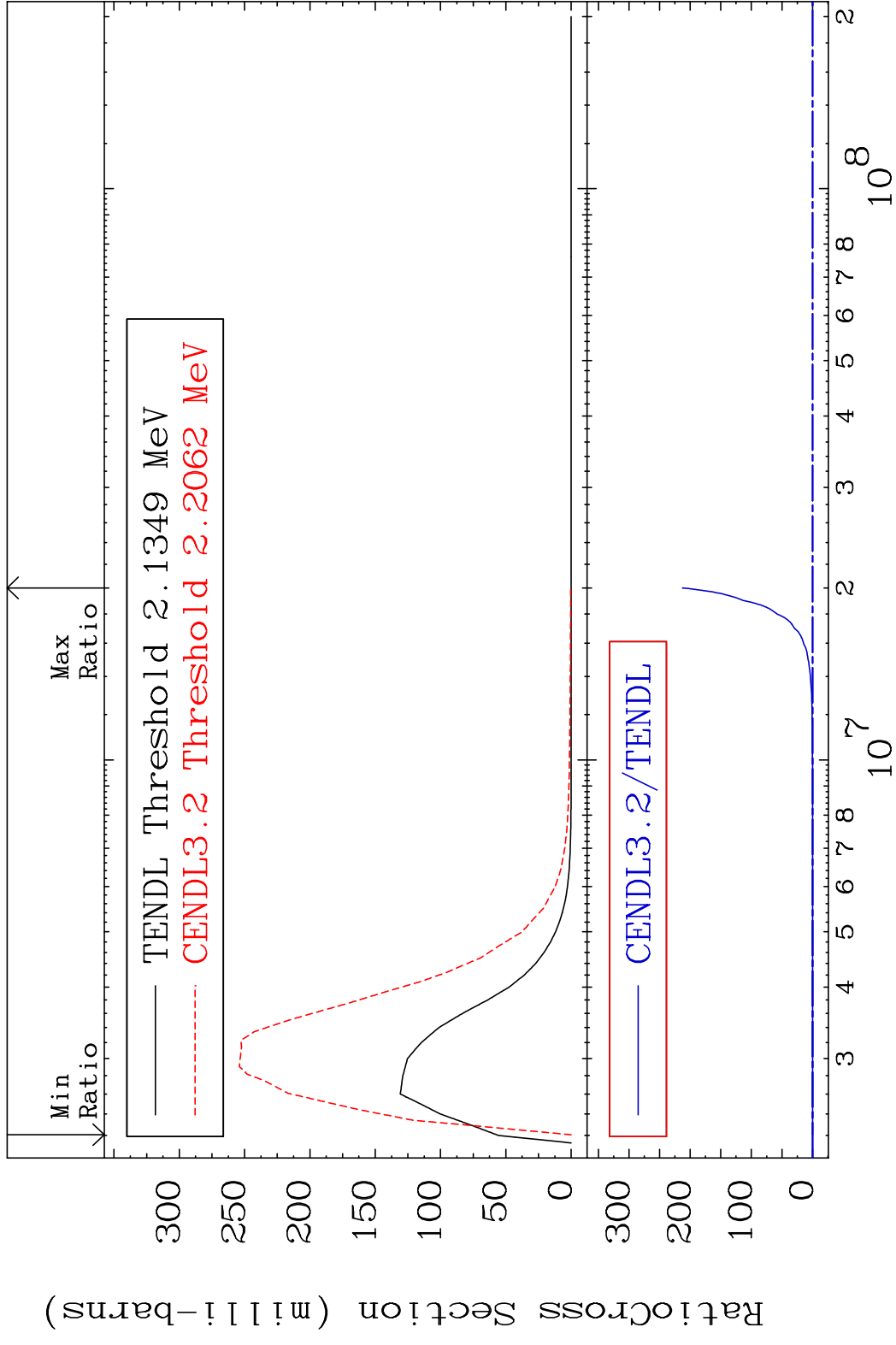
8 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 52 (n, n') Level 62-Sm-144
 Cross Section -23.59 To 255.2 %



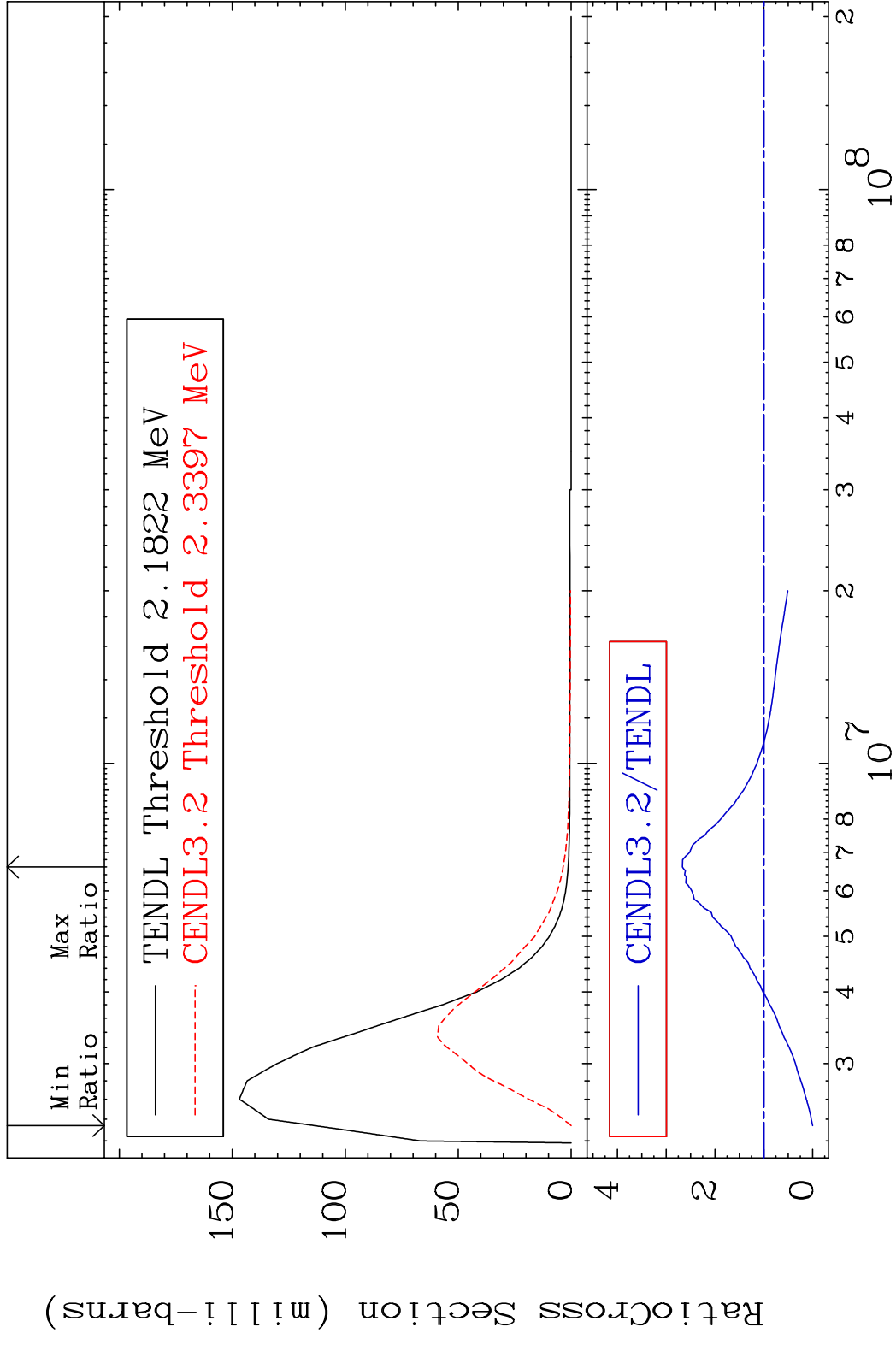
9 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 53 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 9999. %

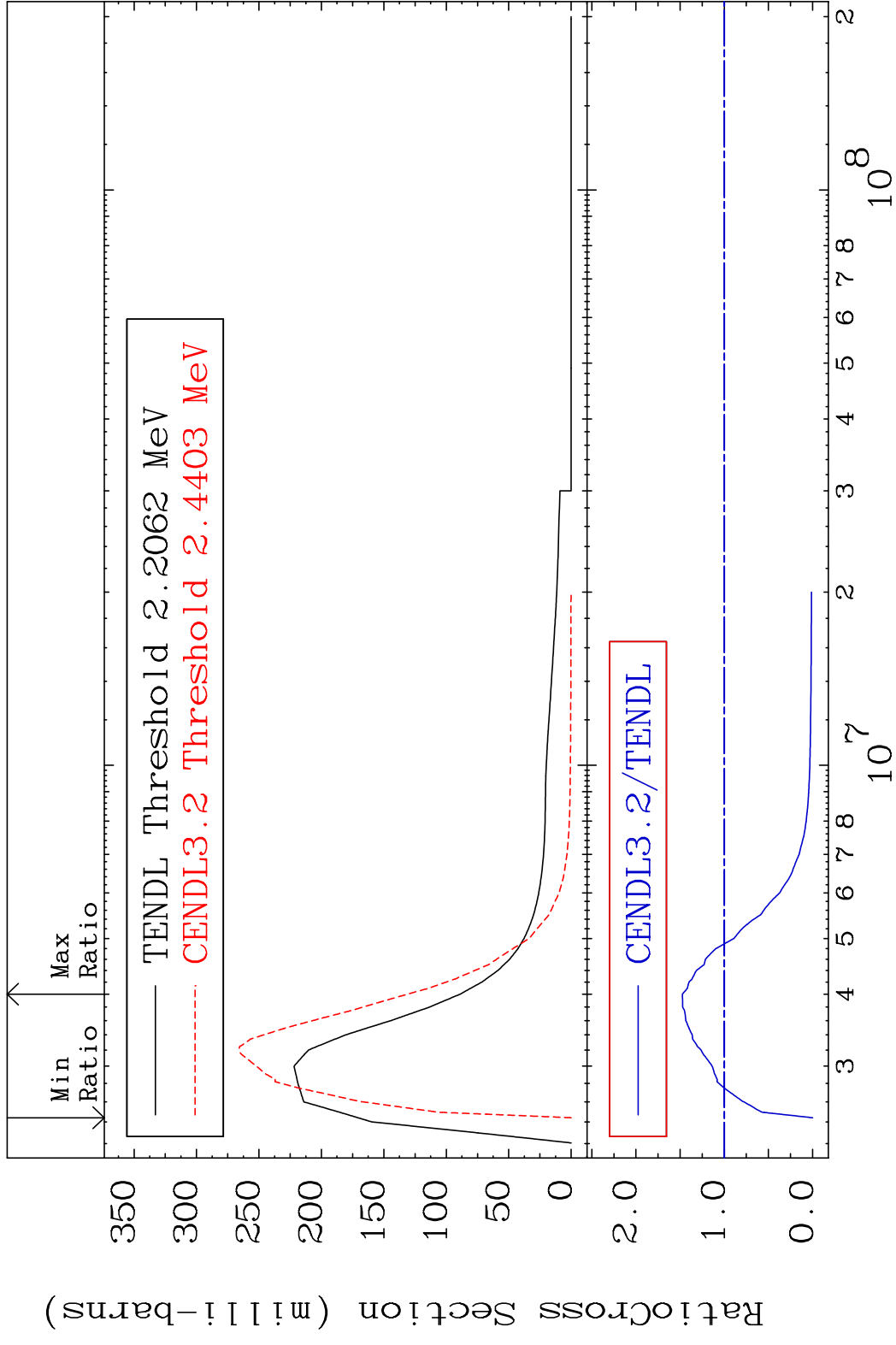


10 Incident Energy (eV) 62-Sm-144

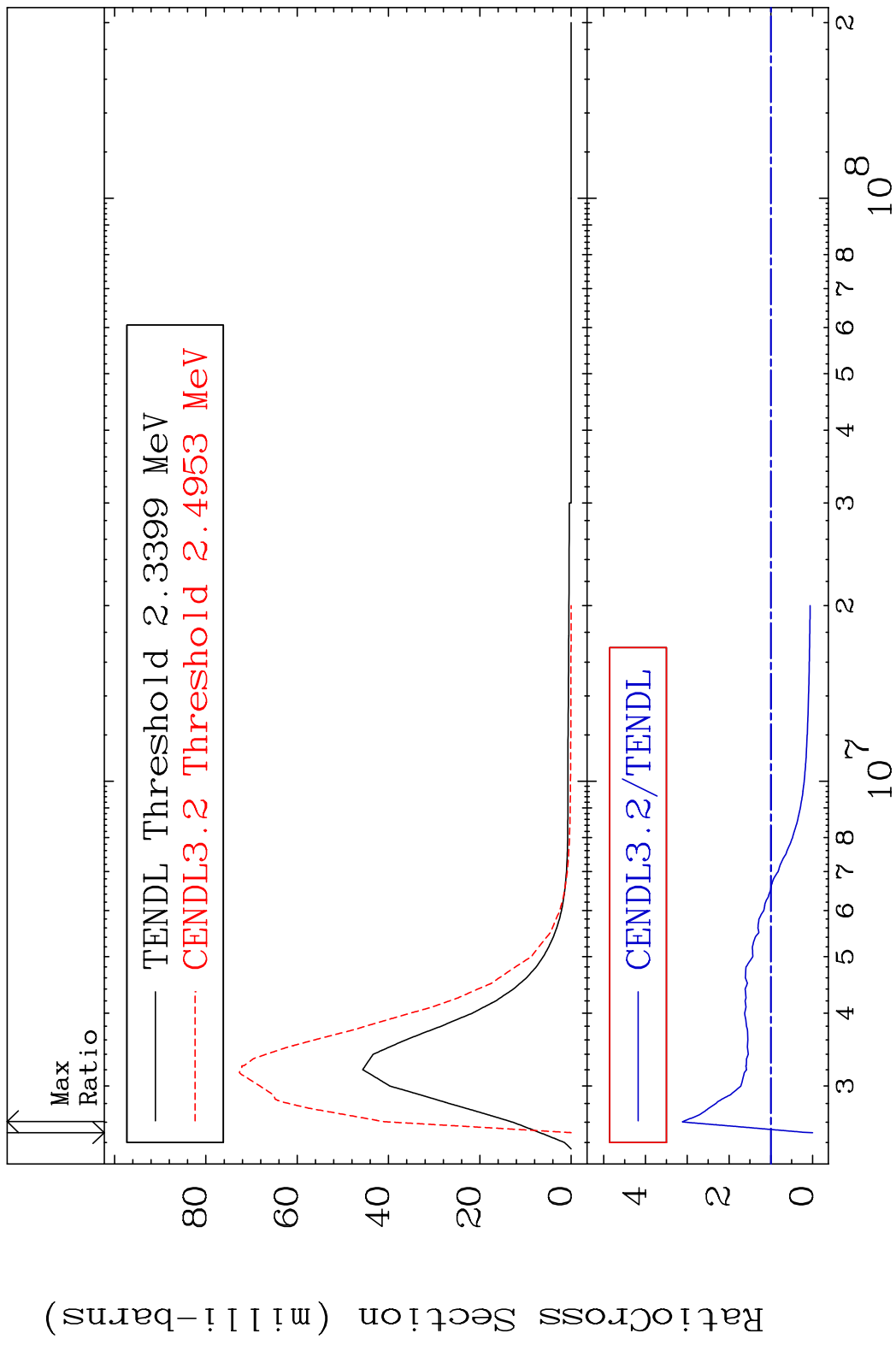
MAT 6225 MT= 54 (n,n') Level 62-Sm-144
 Cross Section -100.0 To 166.8 %



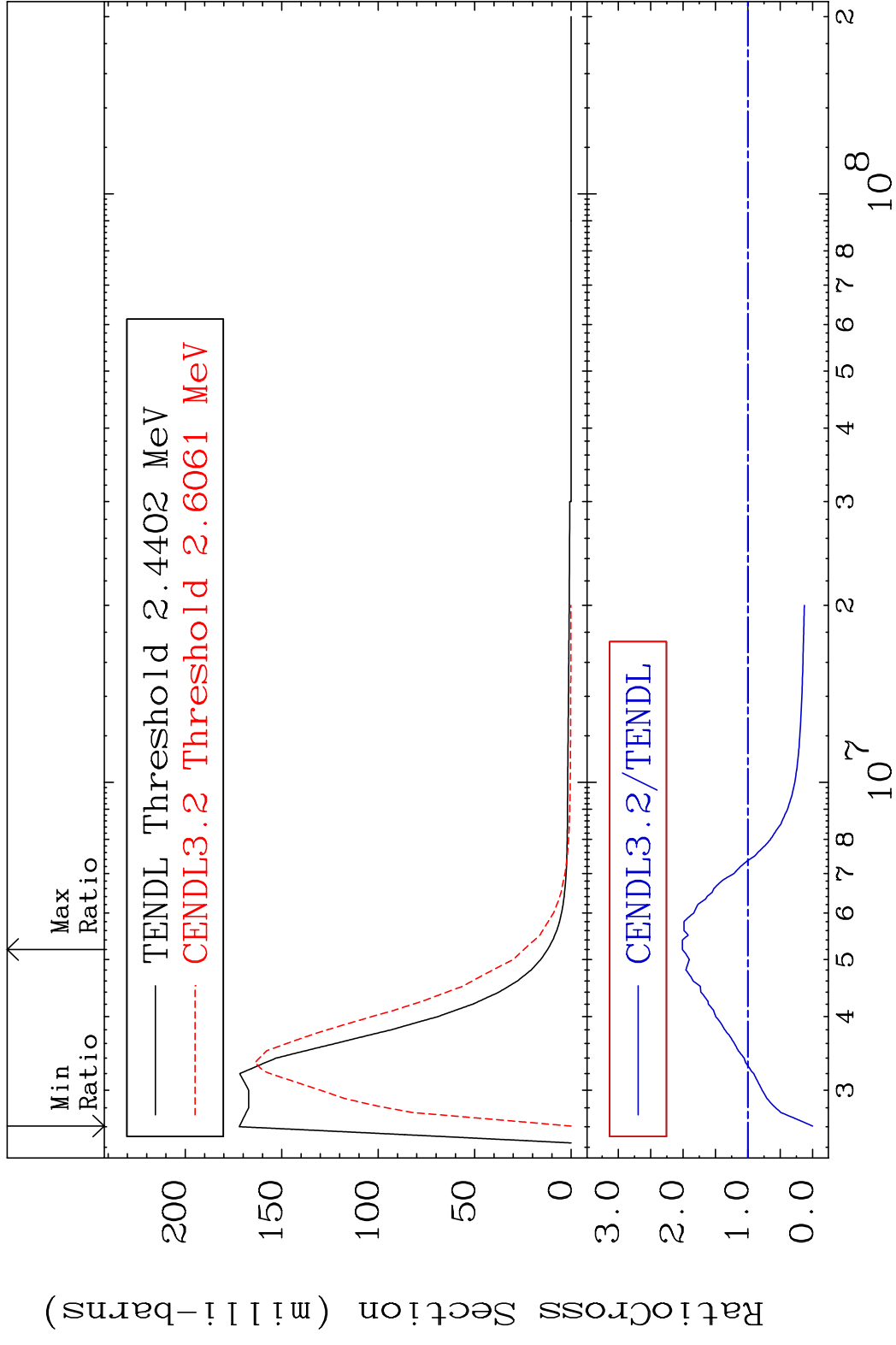
MAT 6225 MT= 55 (n,n') Level 62-Sm-144
 Cross Section -100.0 To 47.47 %



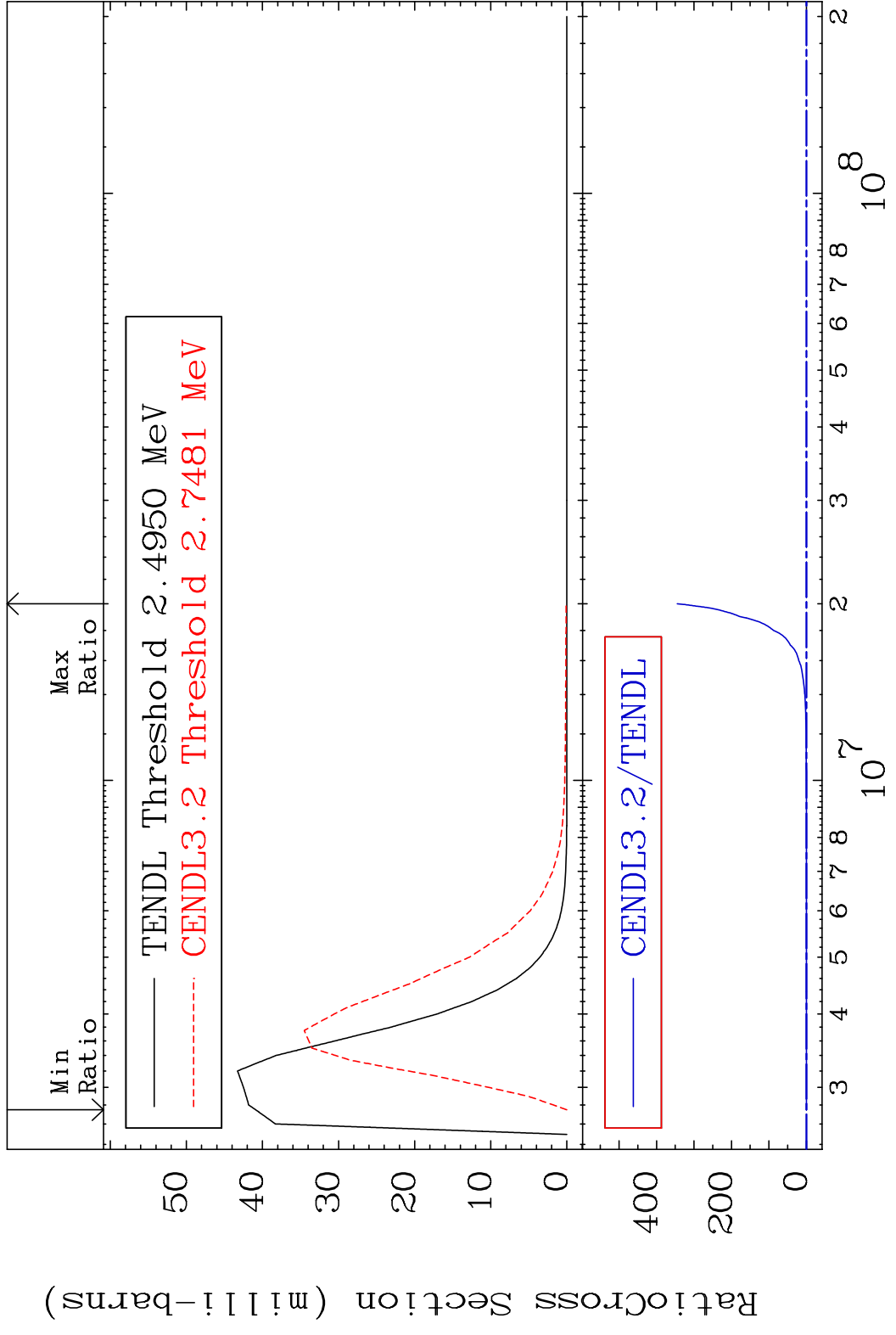
MAT 6225 MT= 56 (n,n') Level 62-Sm-144
 Cross Section -100.0 To 211.8 %



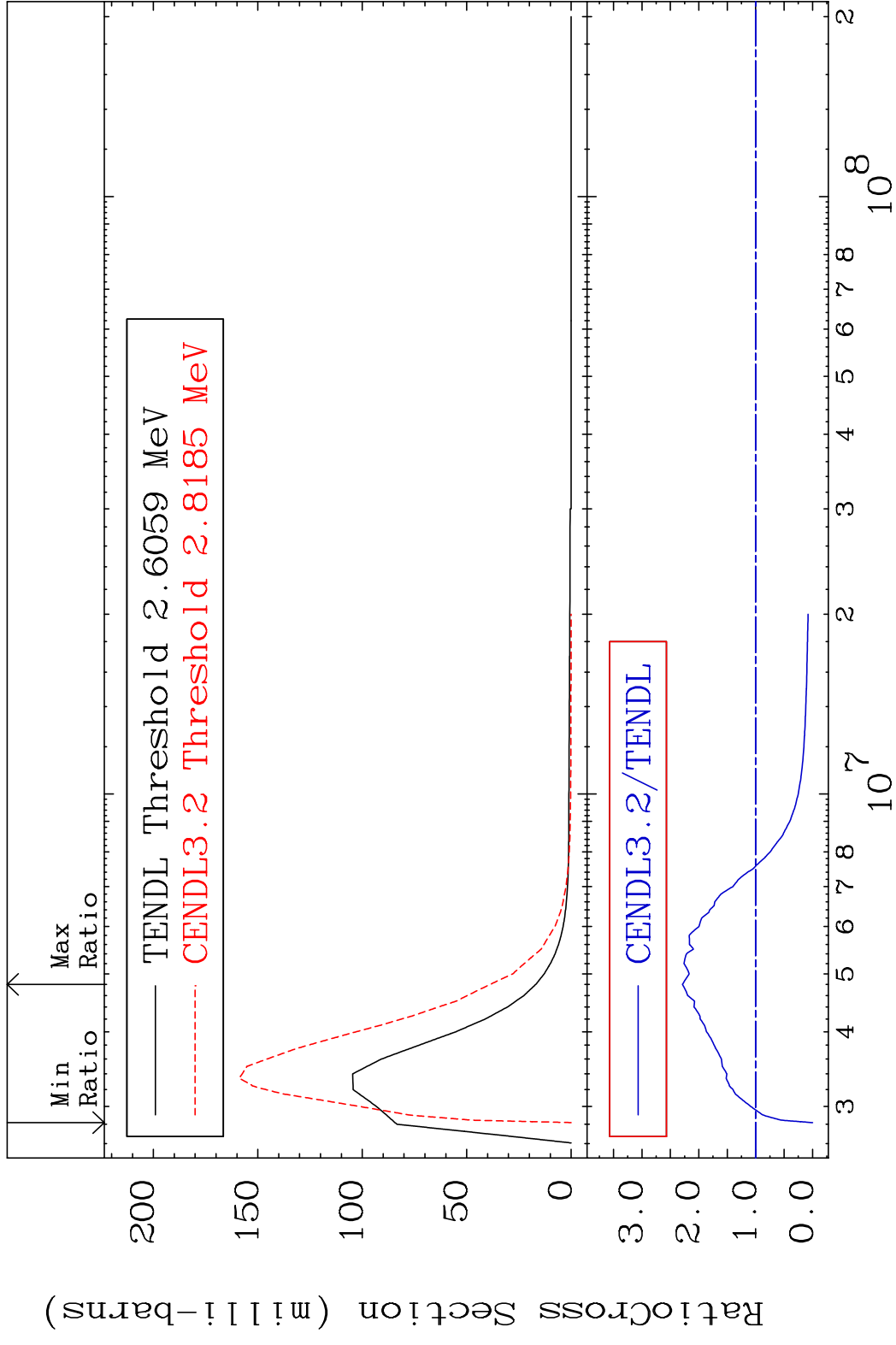
MAT 6225 MT= 57 (n,n') Level 62-Sm-144
 Cross Section -100.0 To 101.0 %



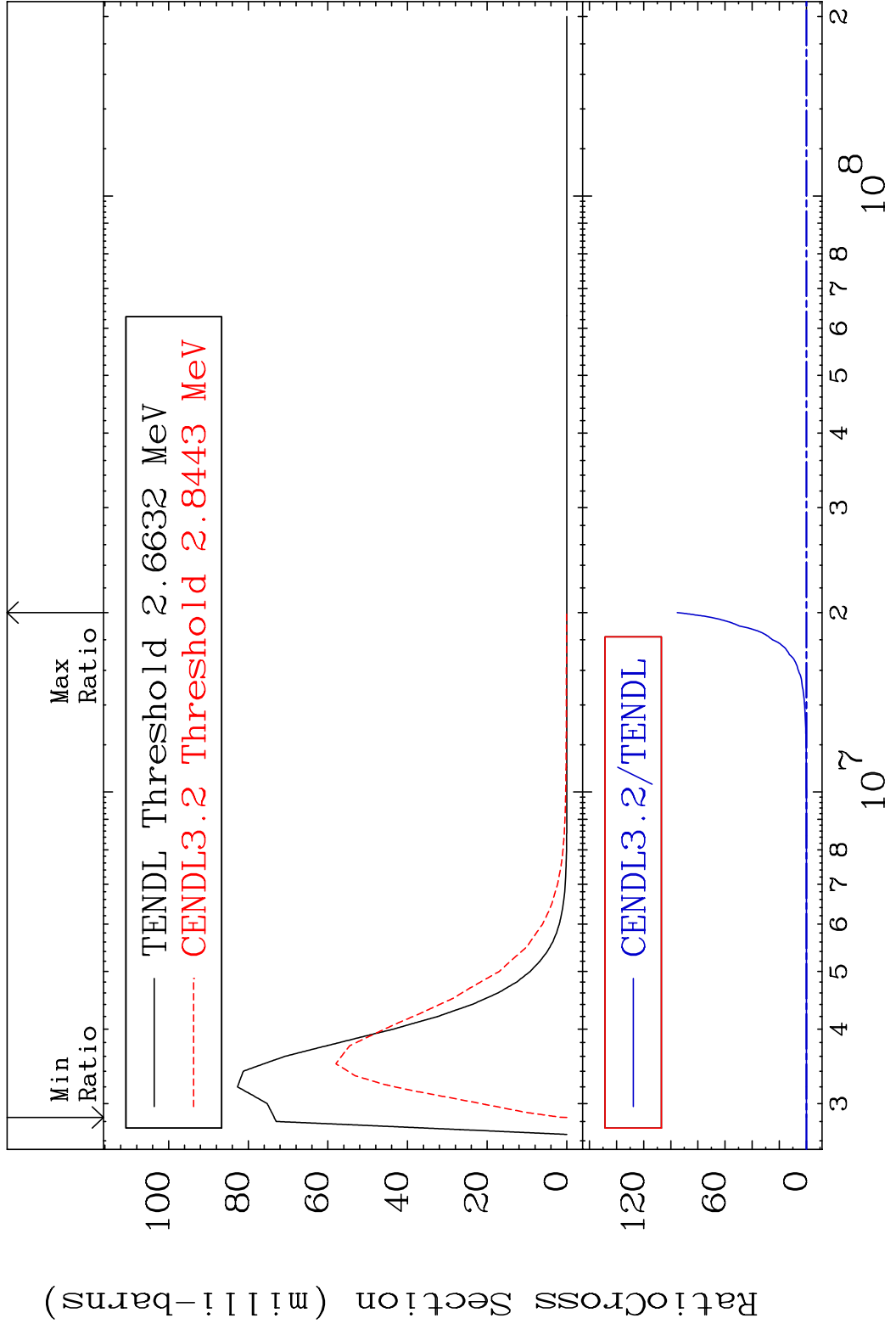
MAT 6225 MT= 58 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 9999. %



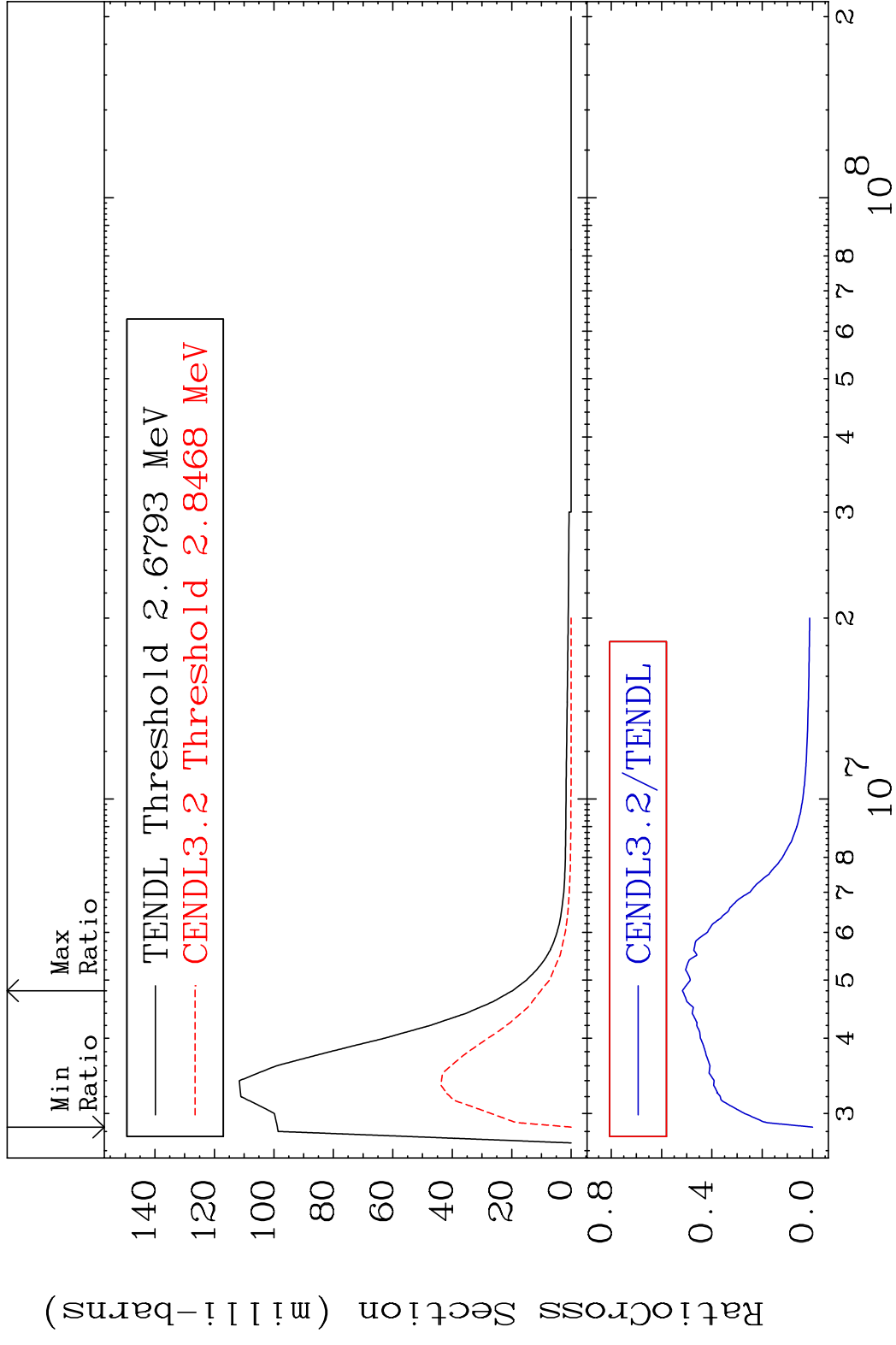
MAT 6225 MT= 59 (n,n') Level 62-Sm-144
 Cross Section -100.0 To 129.0 %



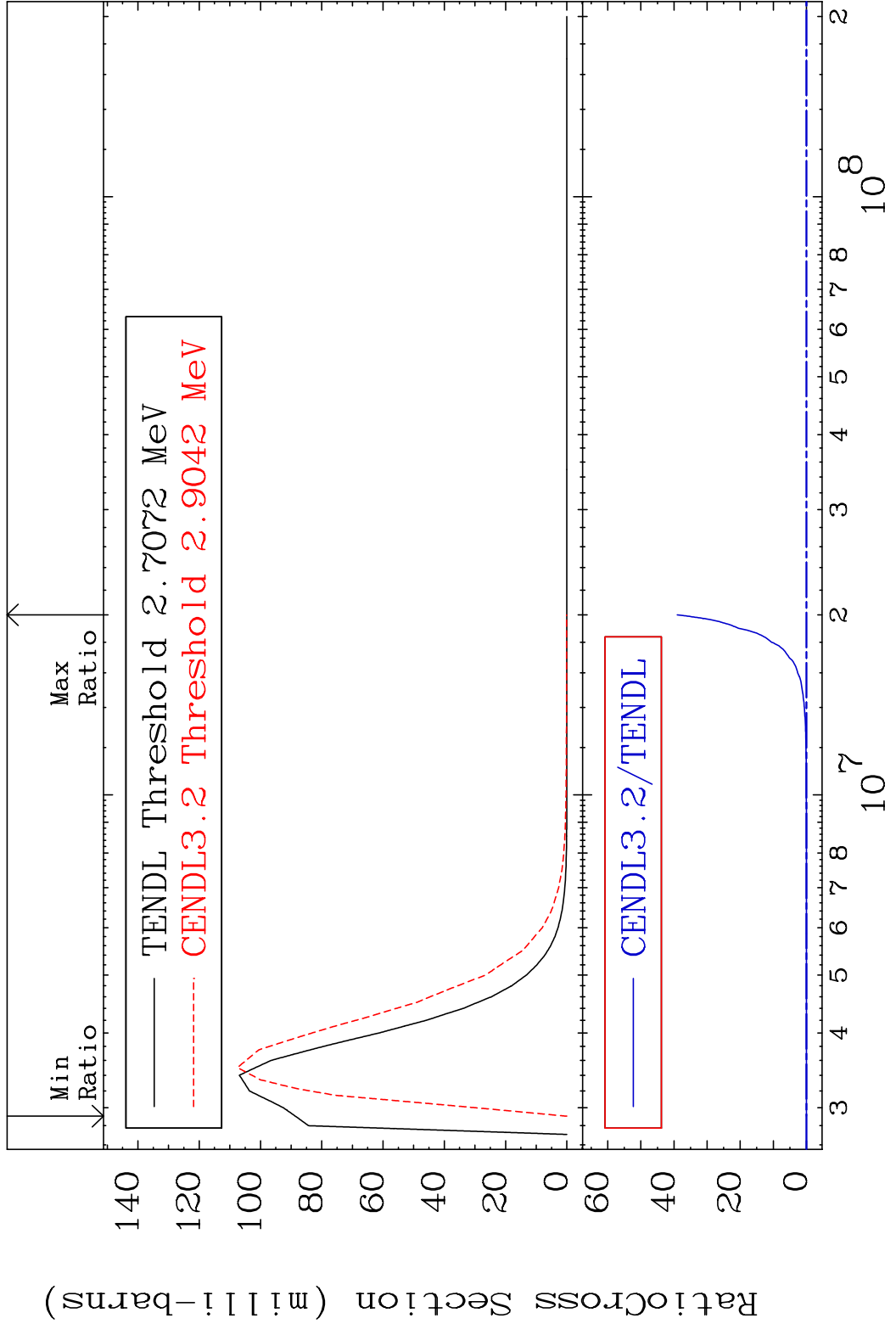
MAT 6225 MT= 60 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 9999. %



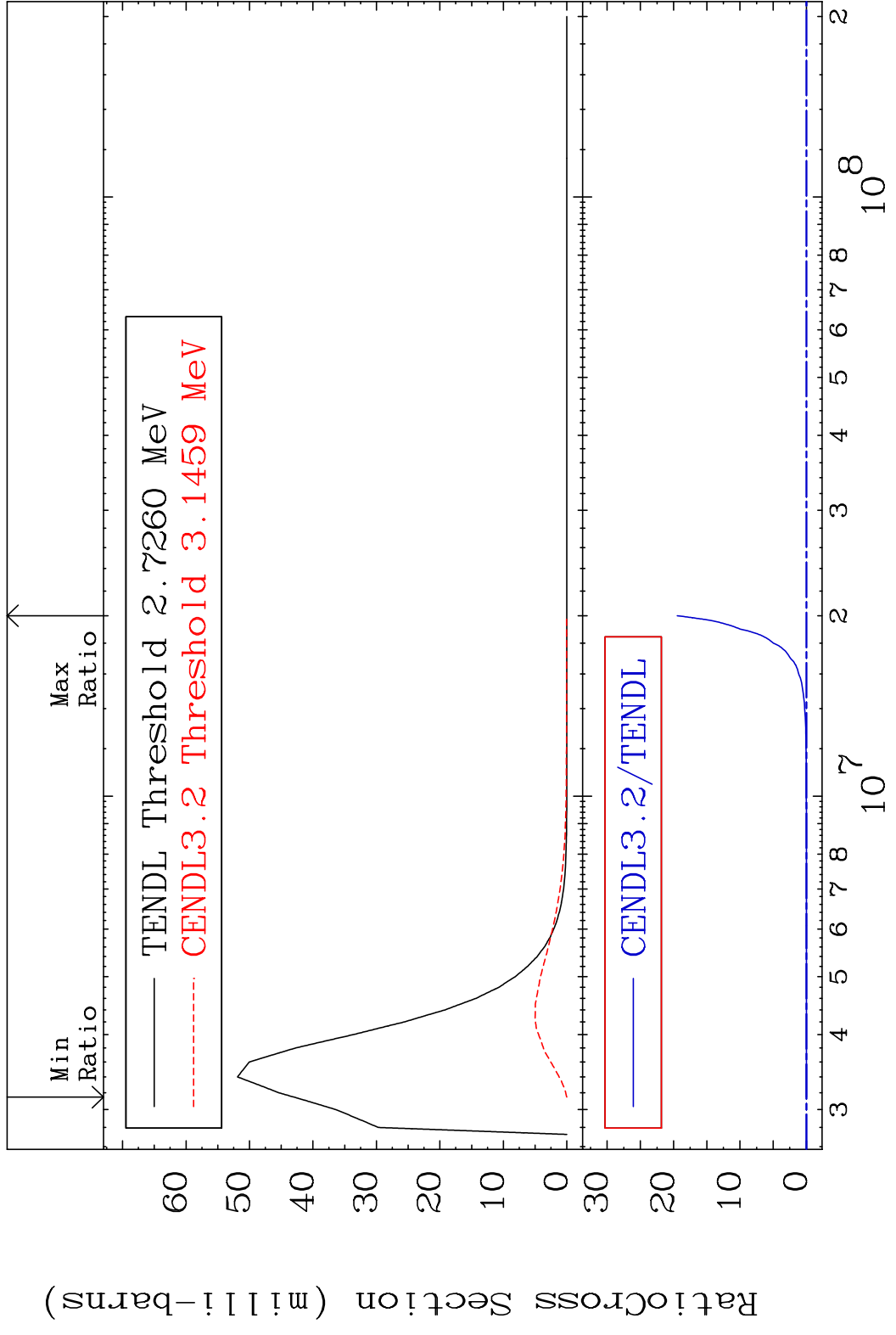
MAT 6225 MT= 61 (n,n') Level 62-Sm-144
 Cross Section -100.0 To -48.27%



MAT 6225 MT= 62 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 9999. %

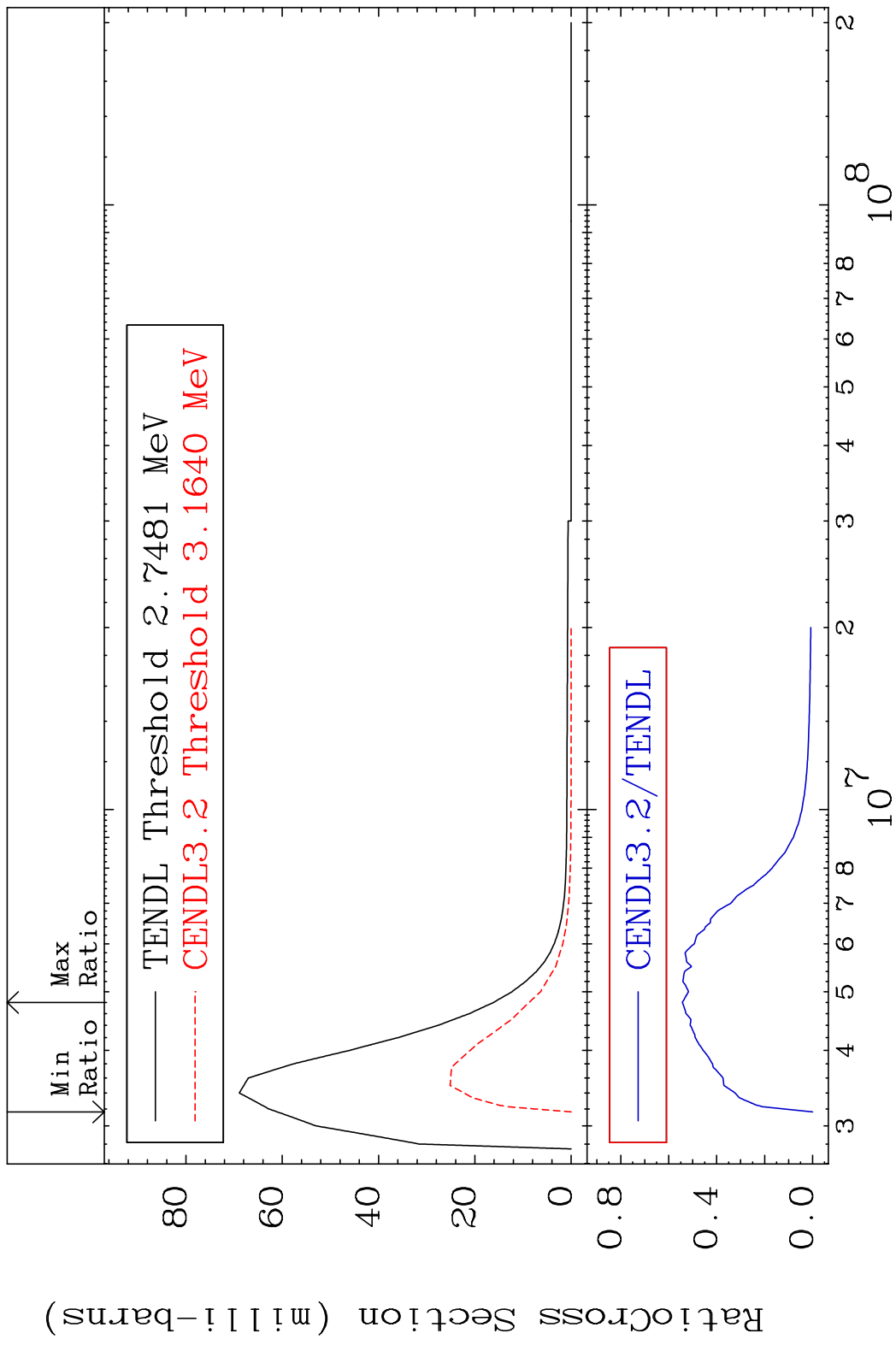


MAT 6225 MT= 63 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 9999. %

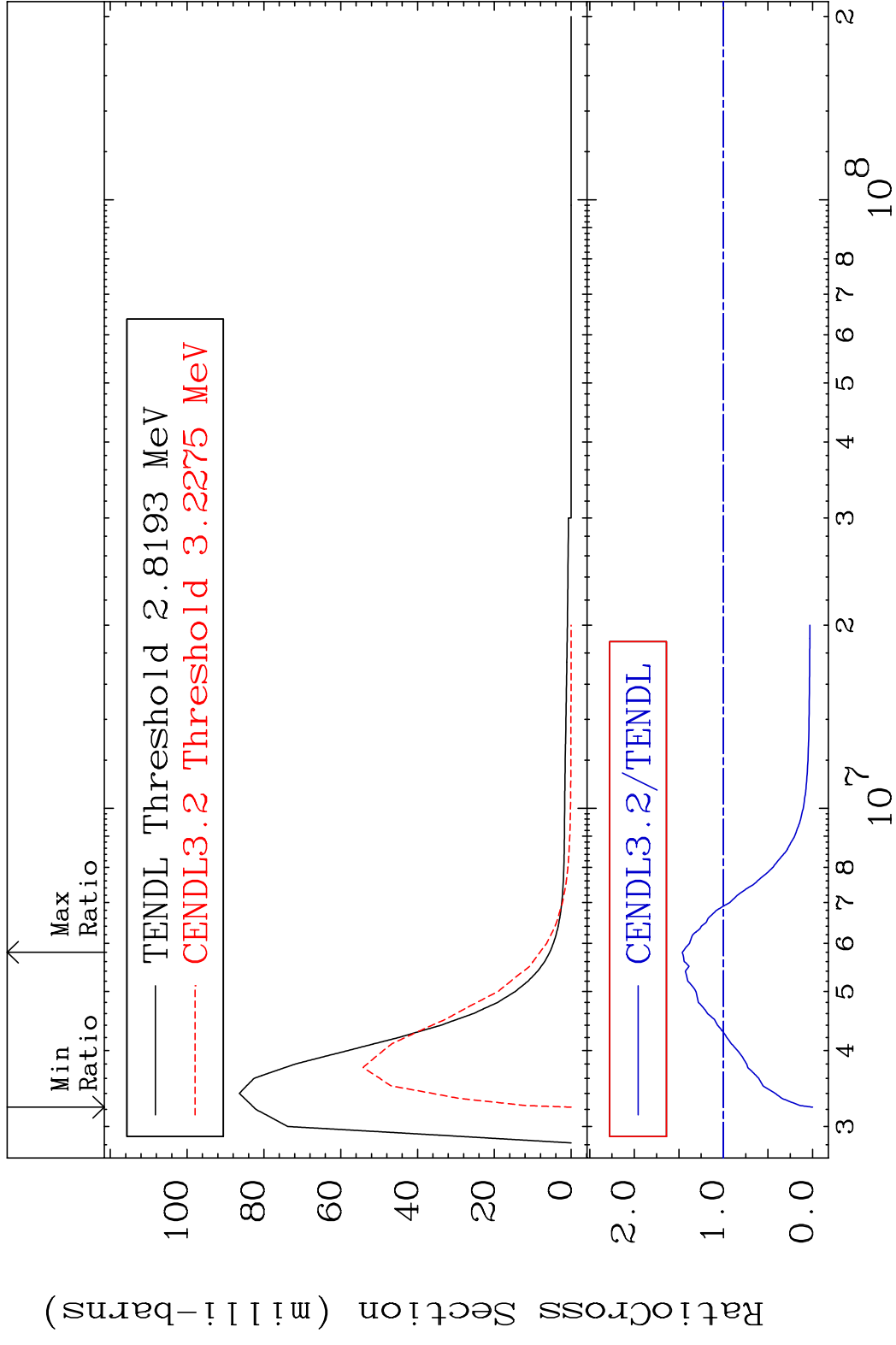


20 62-Sm-144

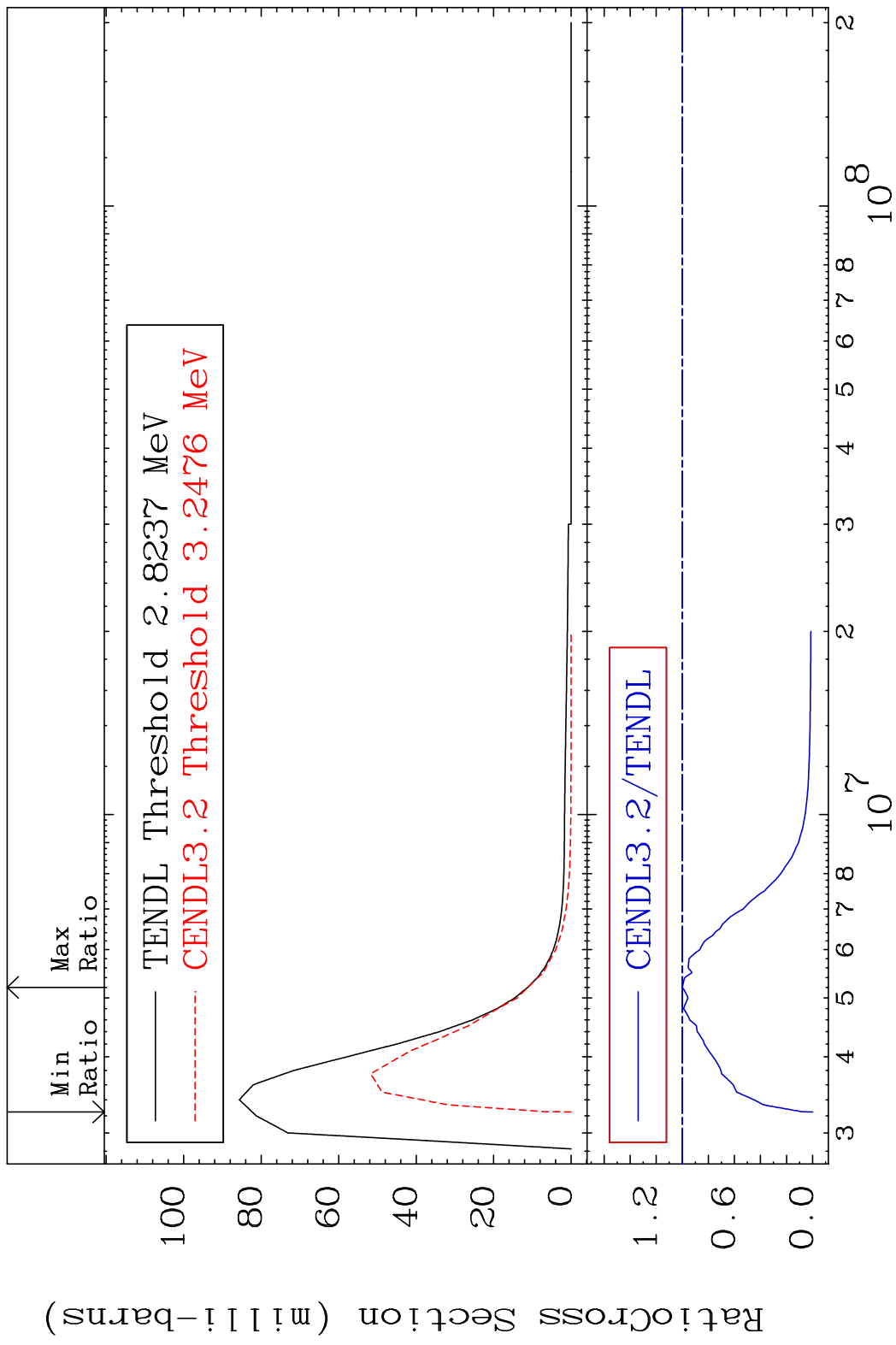
MAT 6225 MT= 64 (n, n') Level 62-Sm-144
 Cross Section -100.0 To -45.69%



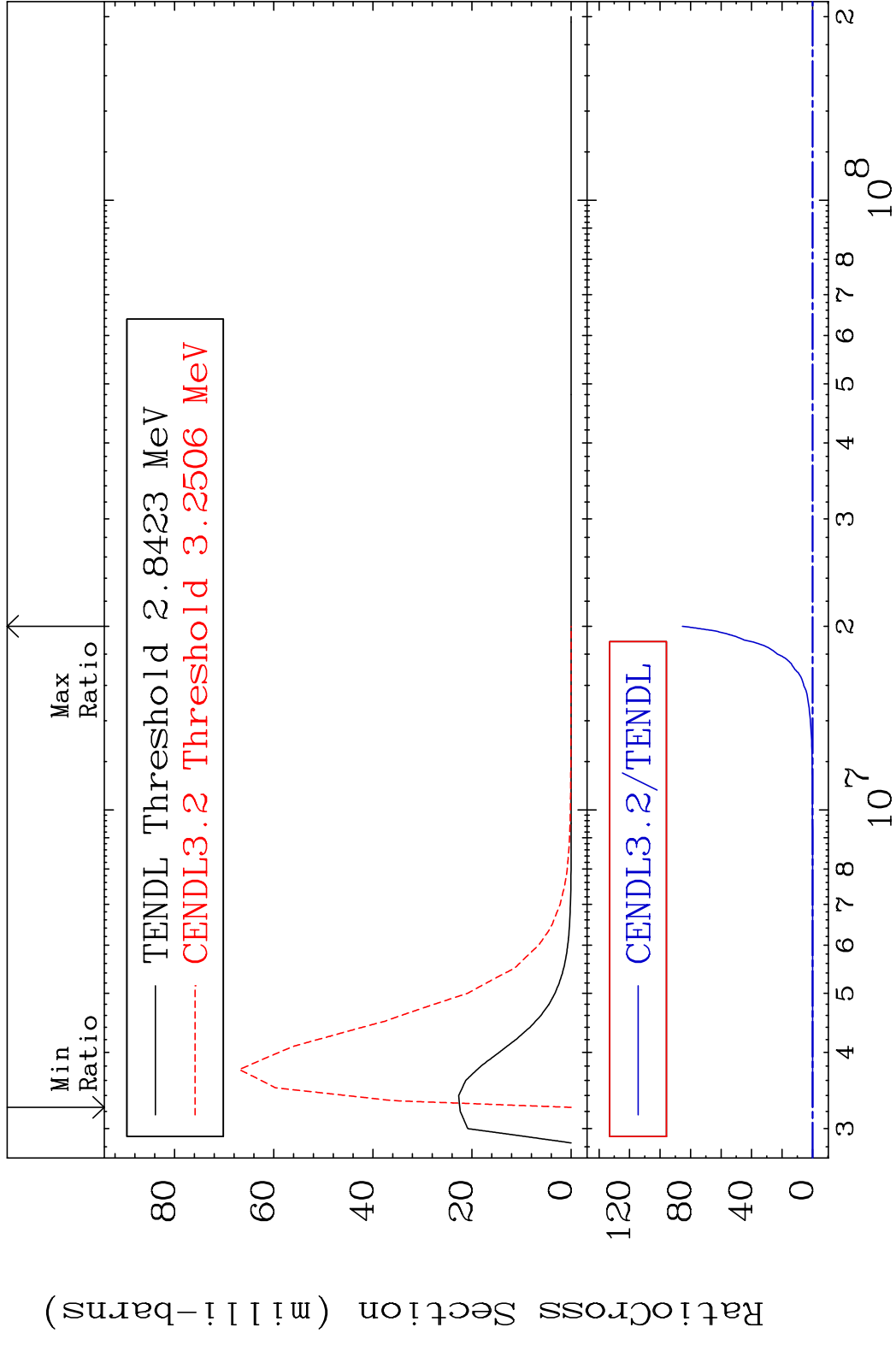
MAT 6225 MT= 65 (n,n') Level 62-Sm-144
 Cross Section -100.0 To 46.09 %



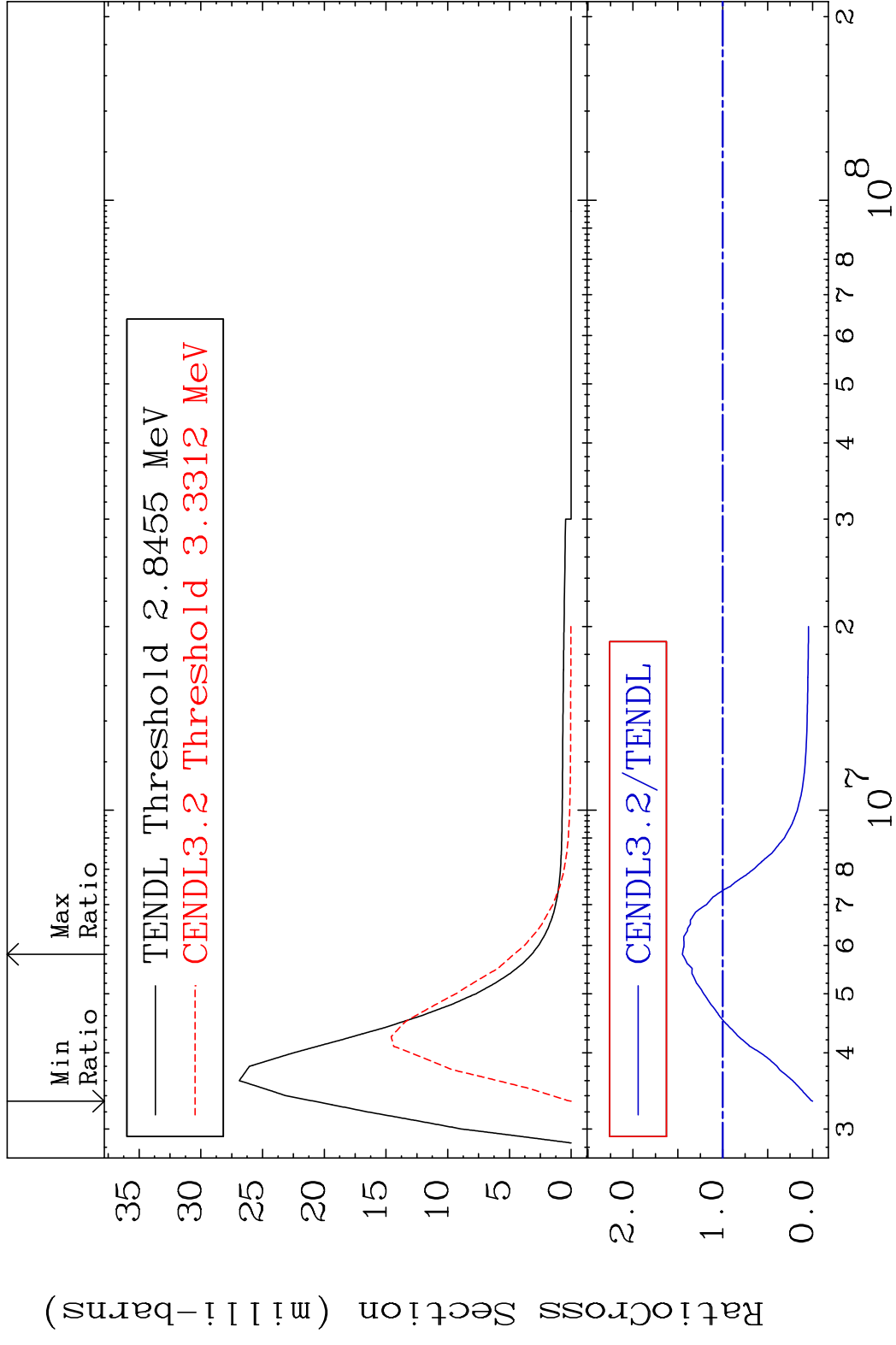
MAT 6225 MT= 66 (n,n') Level 62-Sm-144
 Cross Section -100.0 To -0.044%



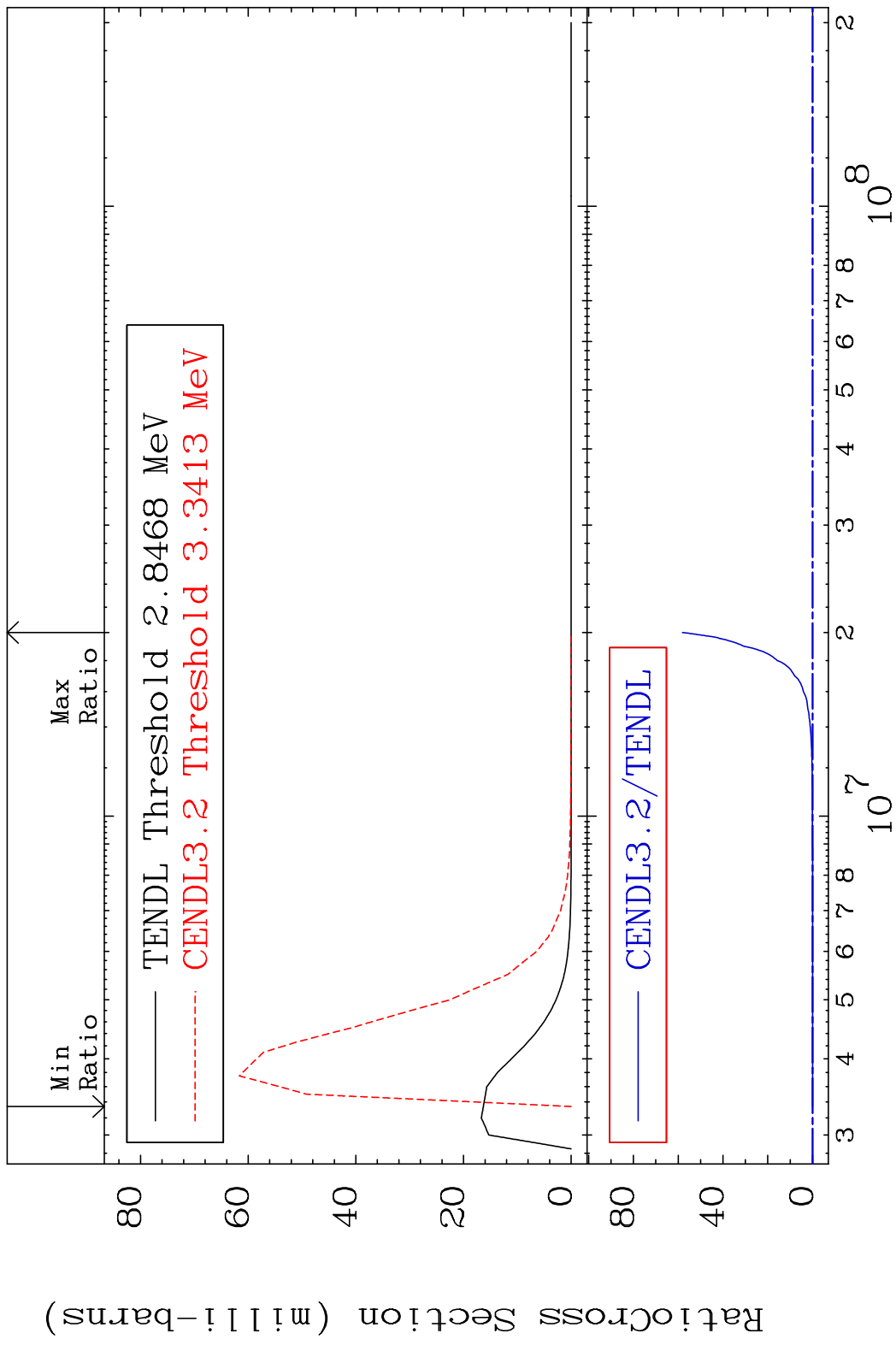
MAT 6225 MT= 67 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 9999. %



MAT 6225 MT= 68 (n,n') Level 62-Sm-144
 Cross Section -100.0 To 45.01 %



MAT 6225 MT= 69 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 9999. %

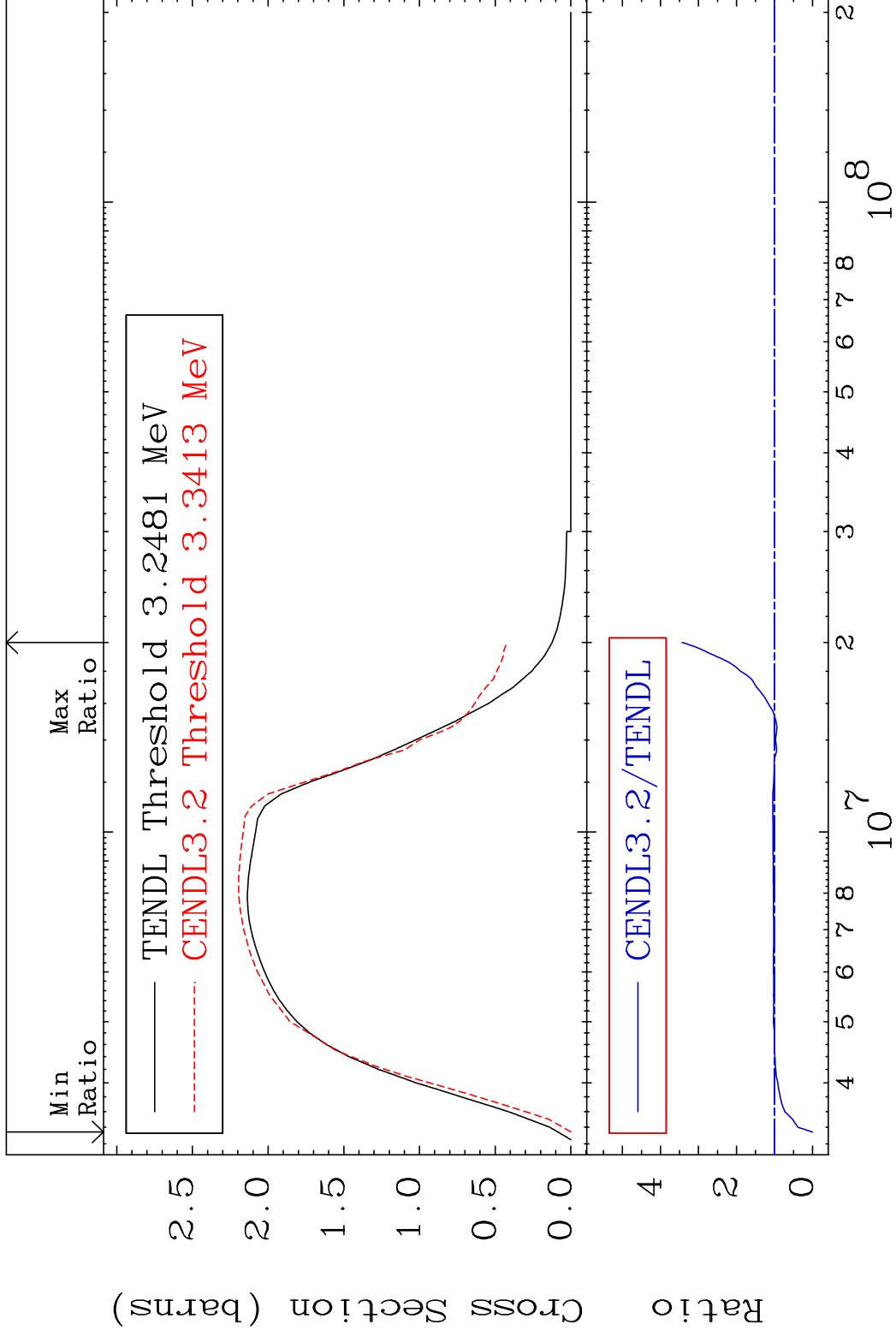


MAT 6225

(n,n') Continuum

62-Sm-144

Cross Section -100.0 To 242.9 %



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Incident Energy (eV)

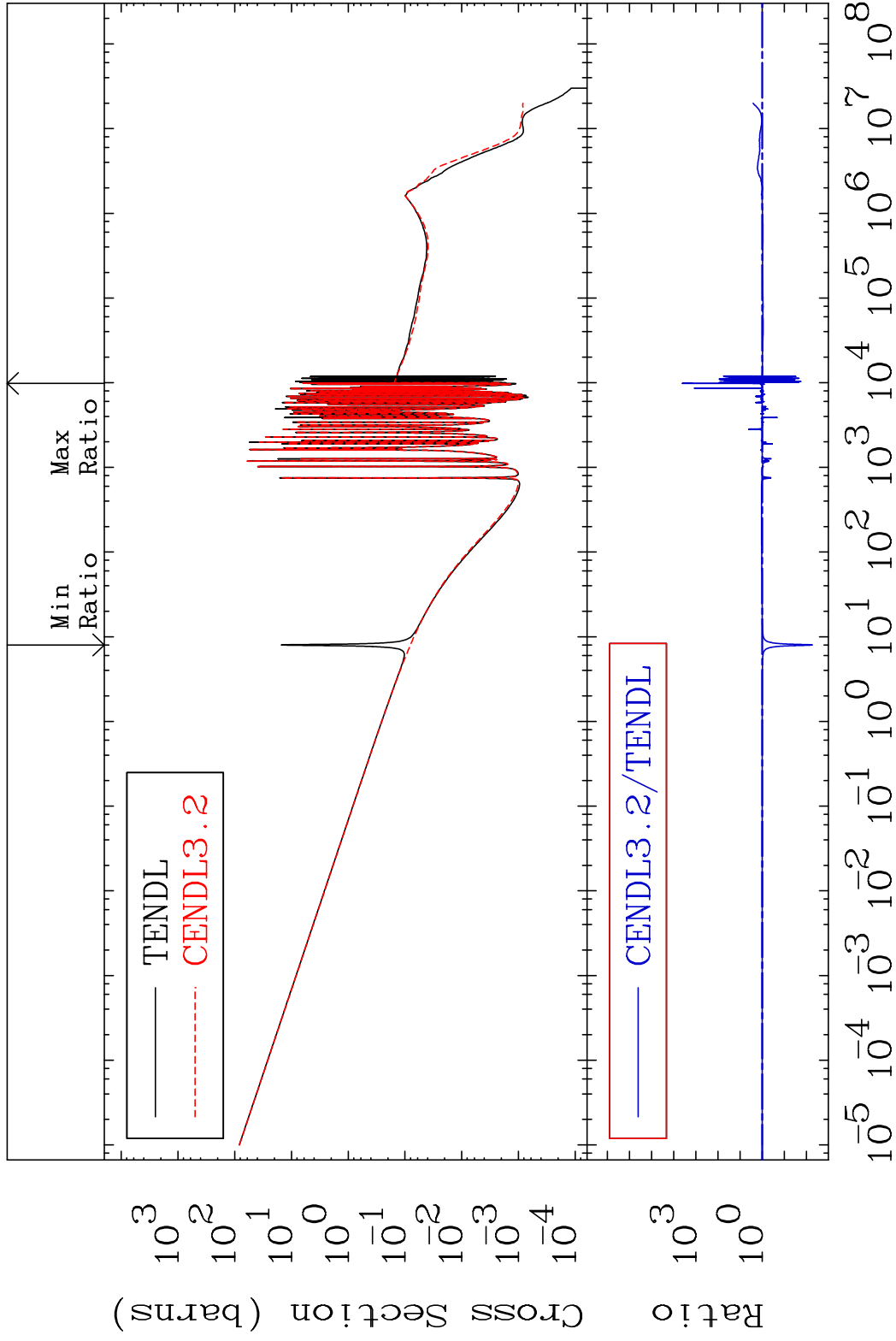
62-Sm-144

MAT 6225

(n, γ)

62-Sm-144

Cross Section -99.47 To 9999. %



28

Incident Energy (eV)

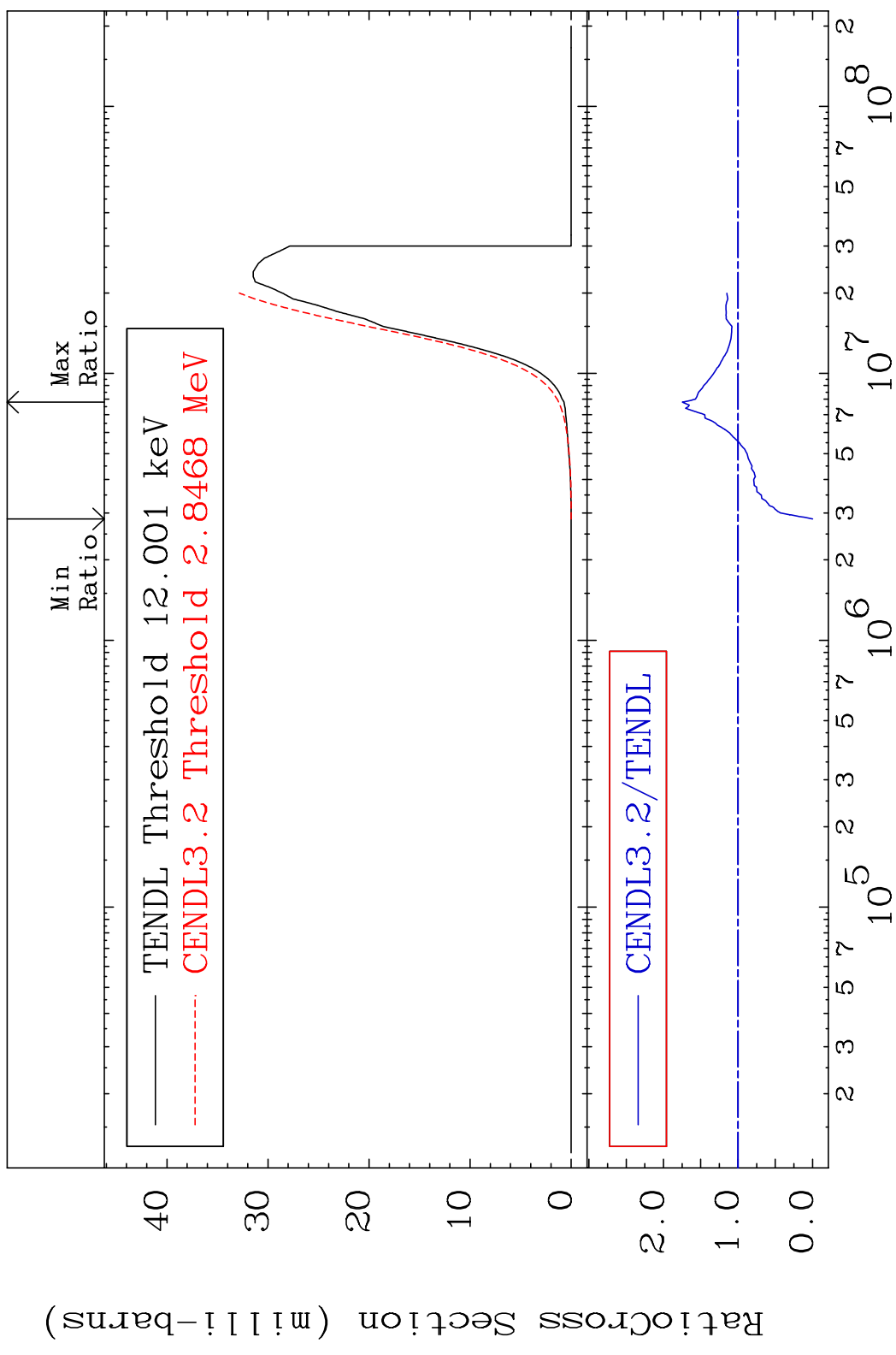
62-Sm-144

MAT 6225

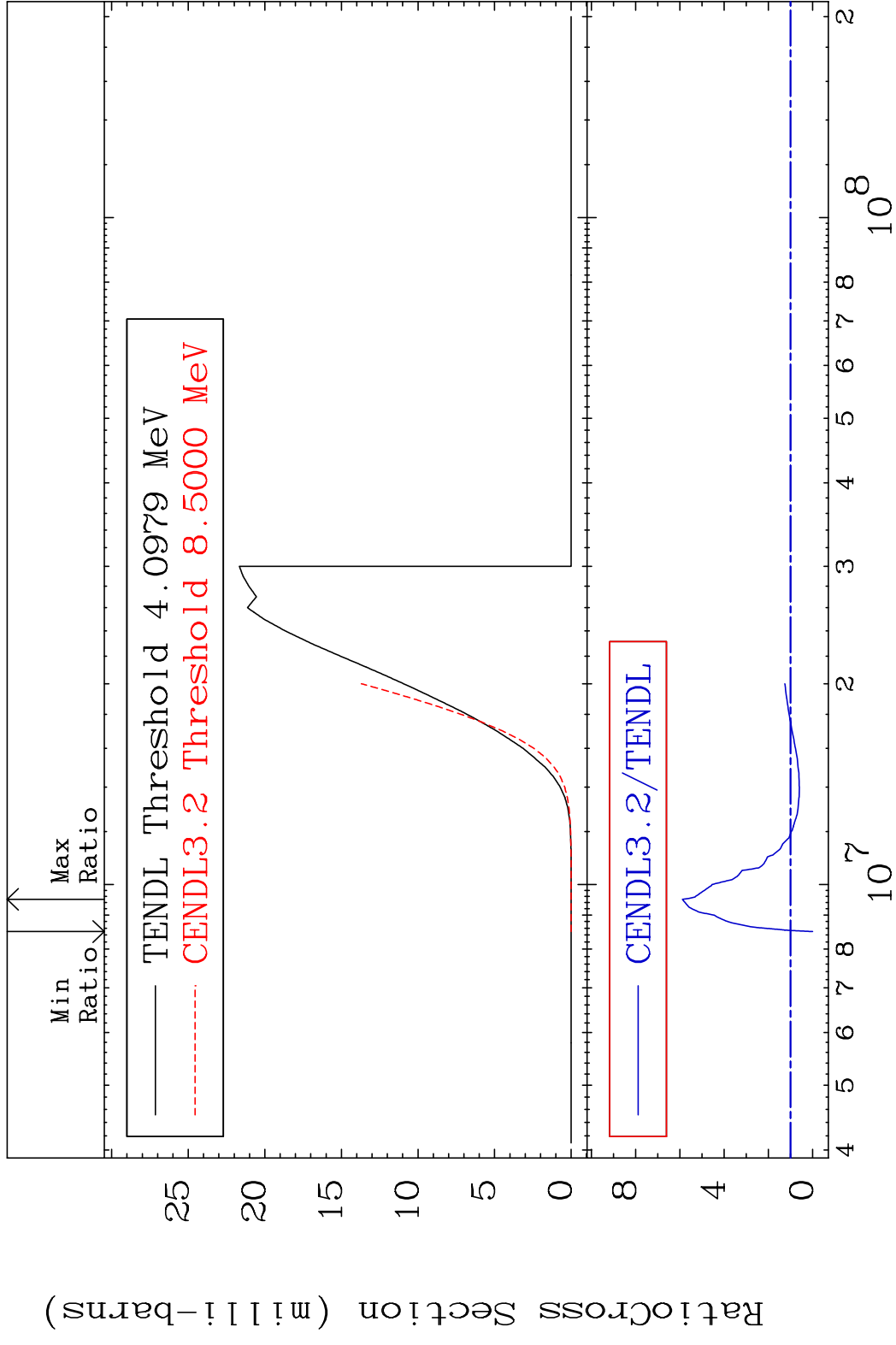
(n, p)

62-Sm-144

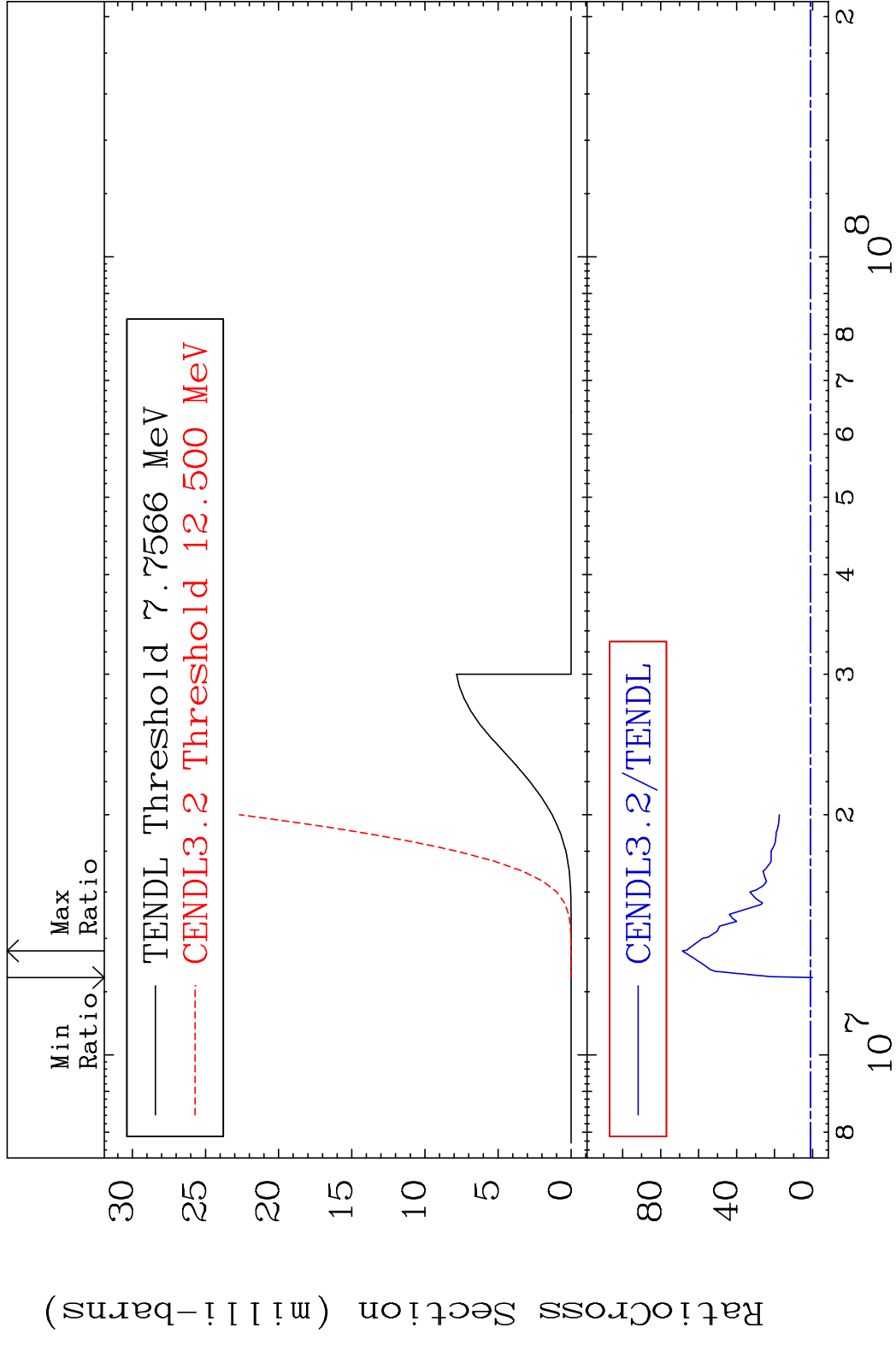
Cross Section -100.0 To 74.65 %



MAT 6225 (n,d) 62-Sm-144
 Cross Section -100.0 To 488.5 %



MAT 6225 (n, t) 62-Sm-144
 Cross Section -100.0 To 6757. %

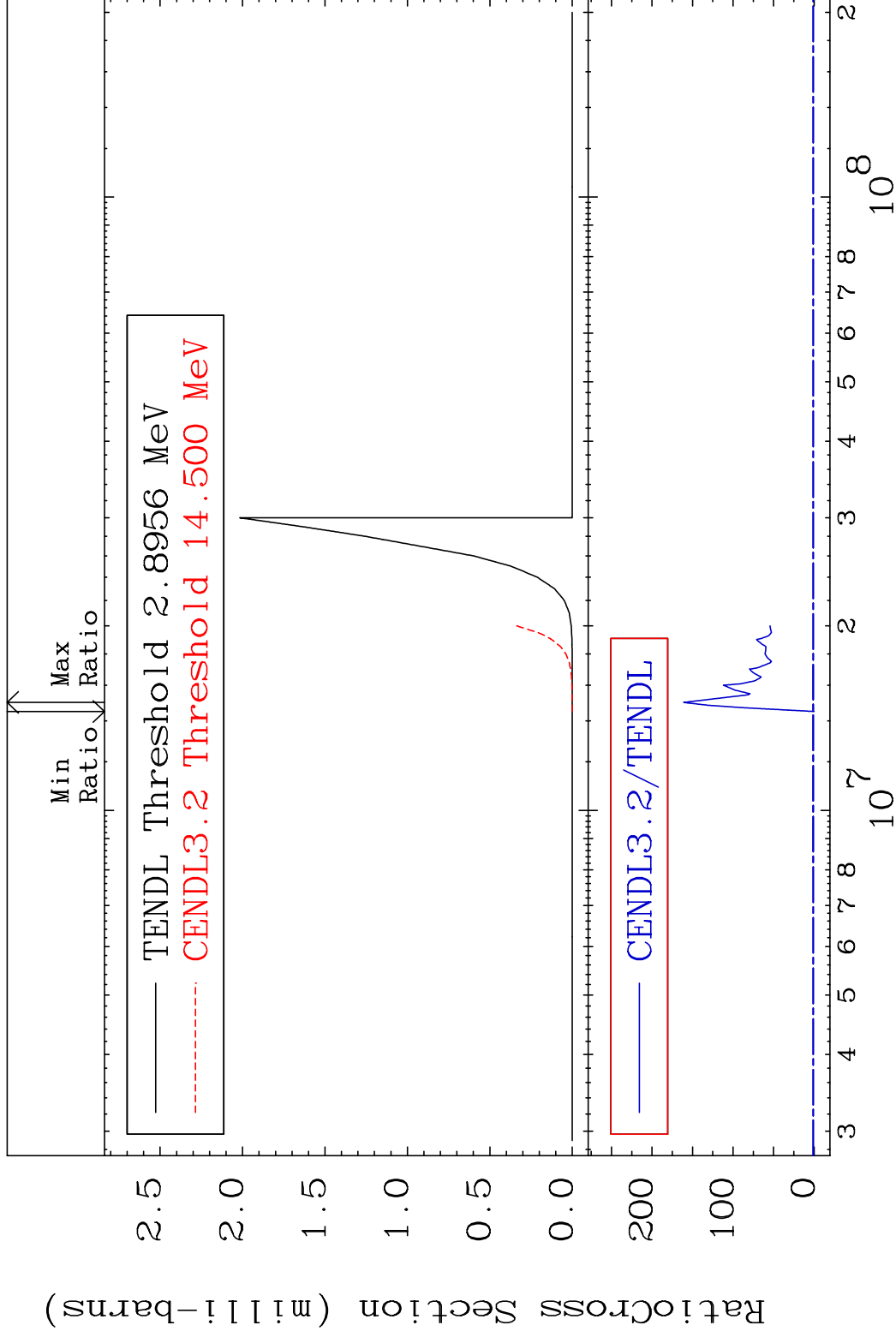


MAT 6225

(n, He-3)

62-Sm-144

Cross Section -100.0 To 9999. %

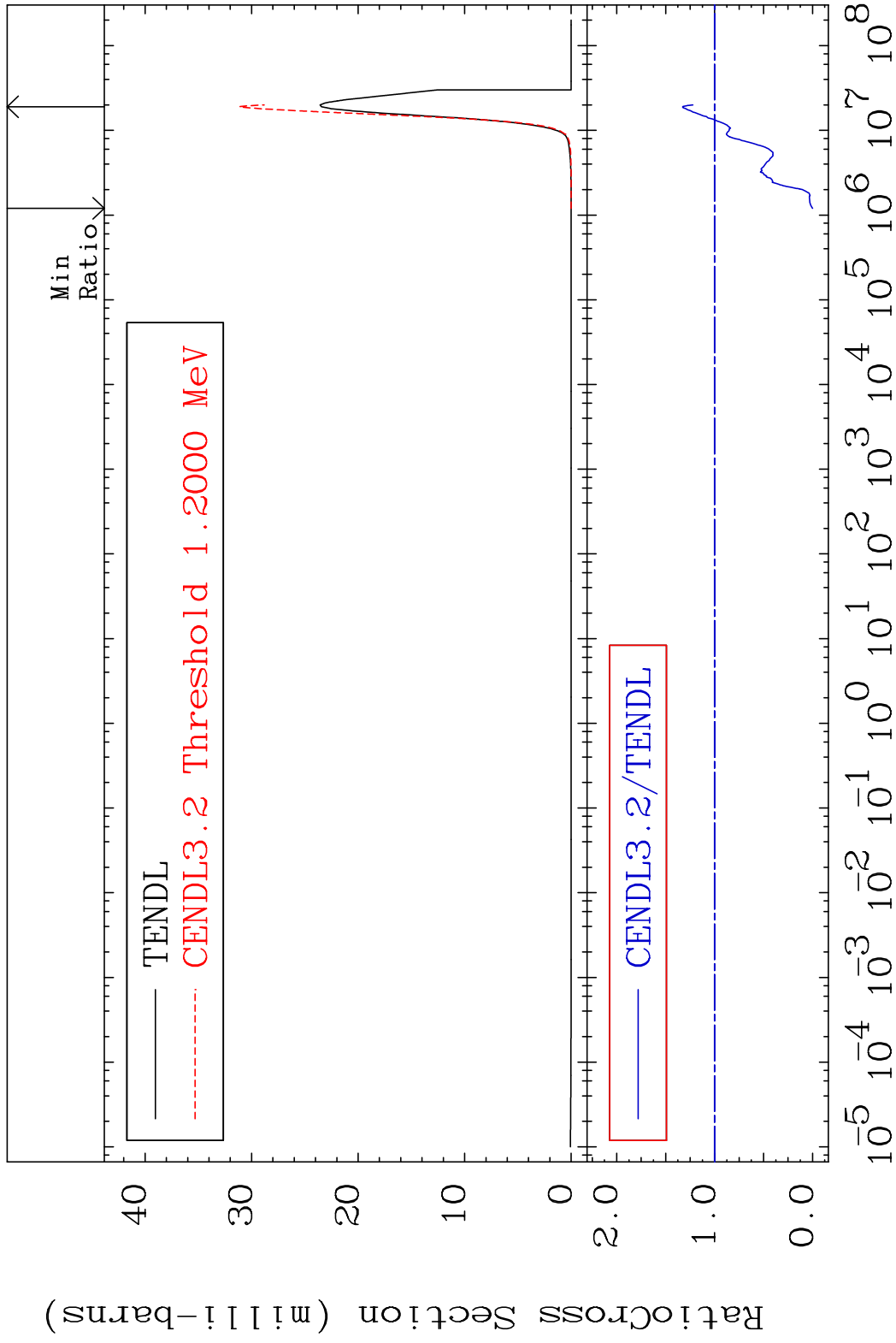


MAT 6225

(n, α)

62-Sm-144

Cross Section -100.0 To 32.96 %

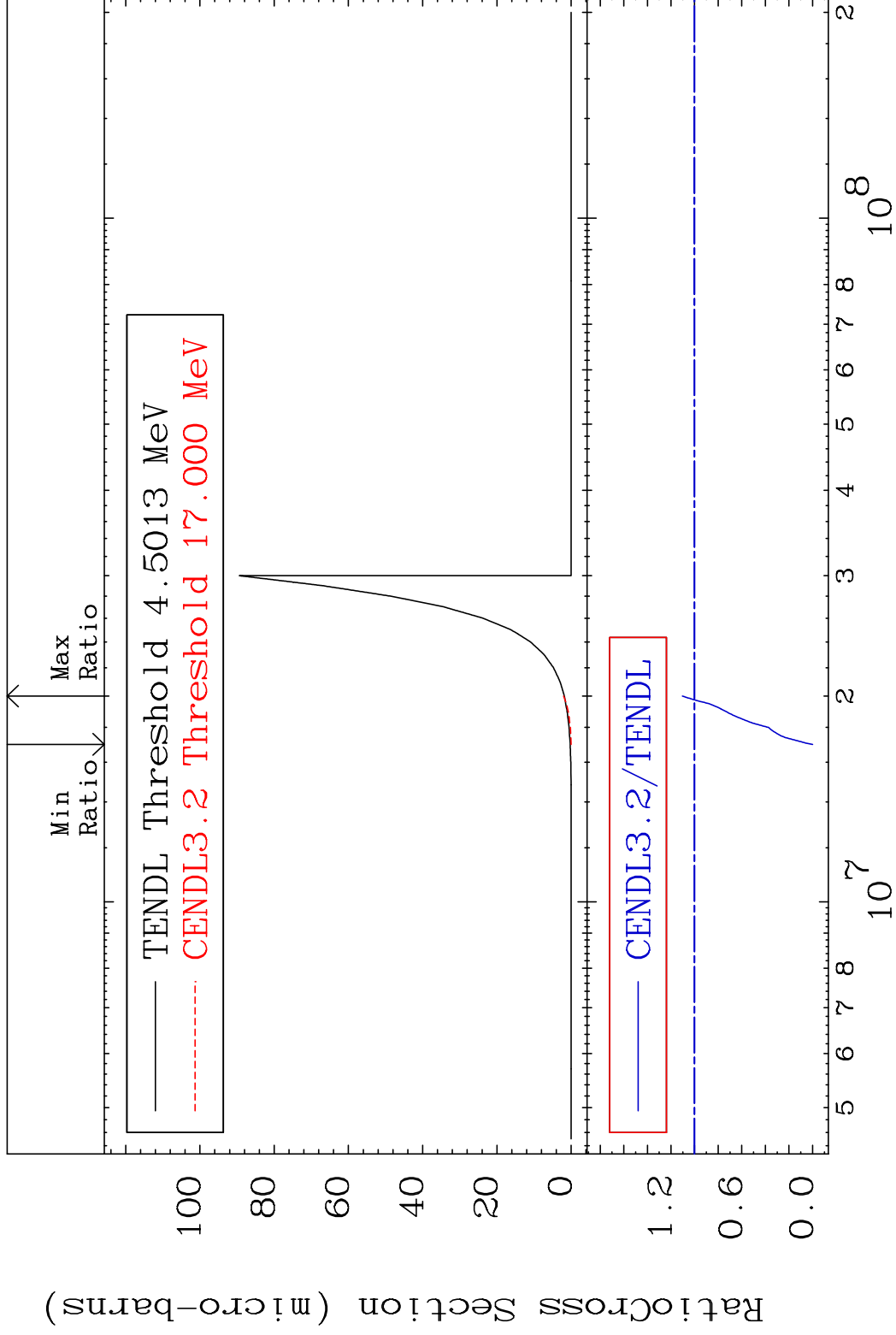


MAT 6225

(n,2p)

62-Sm-144

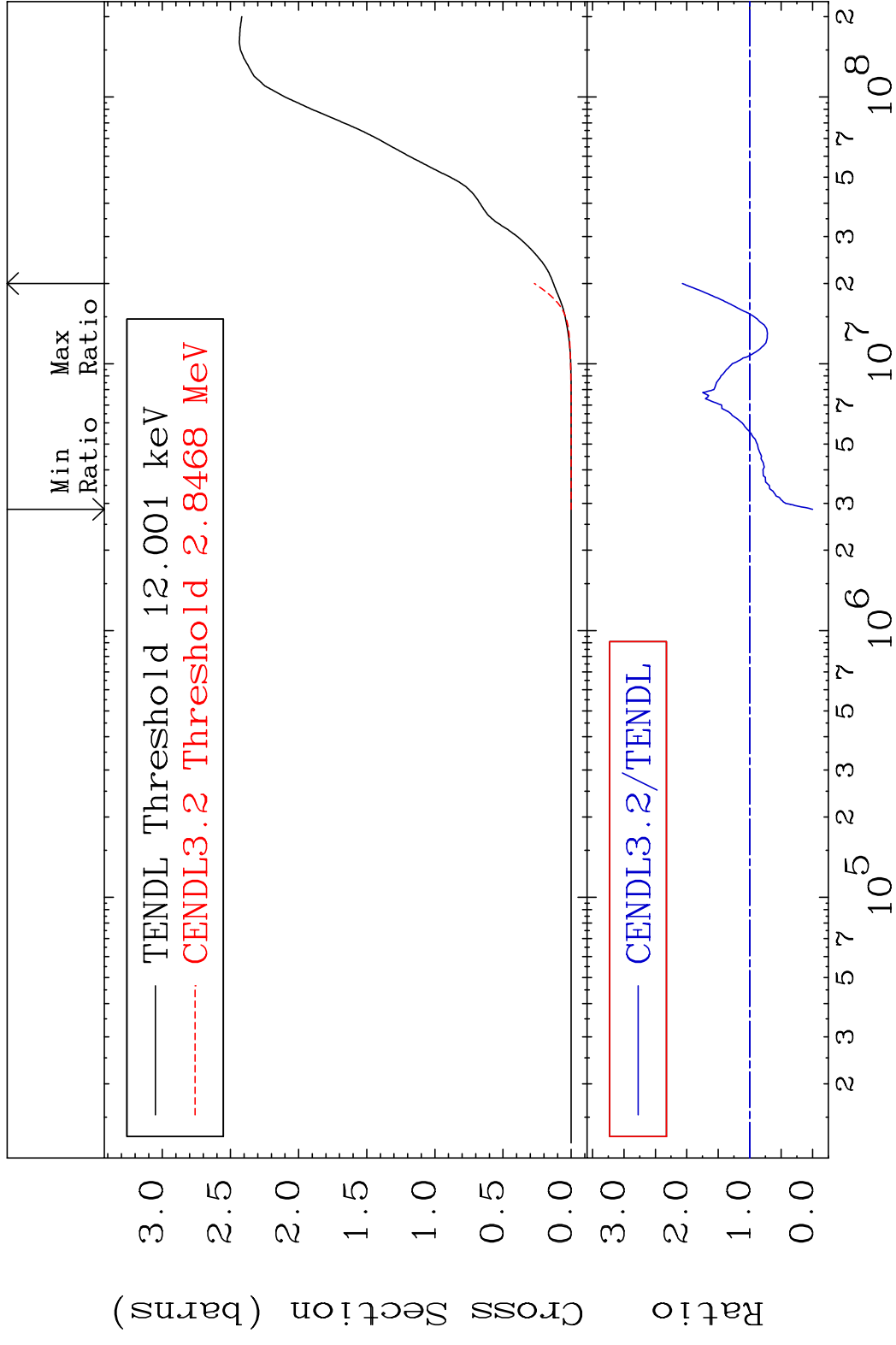
Cross Section -100.0 To 10.36 %

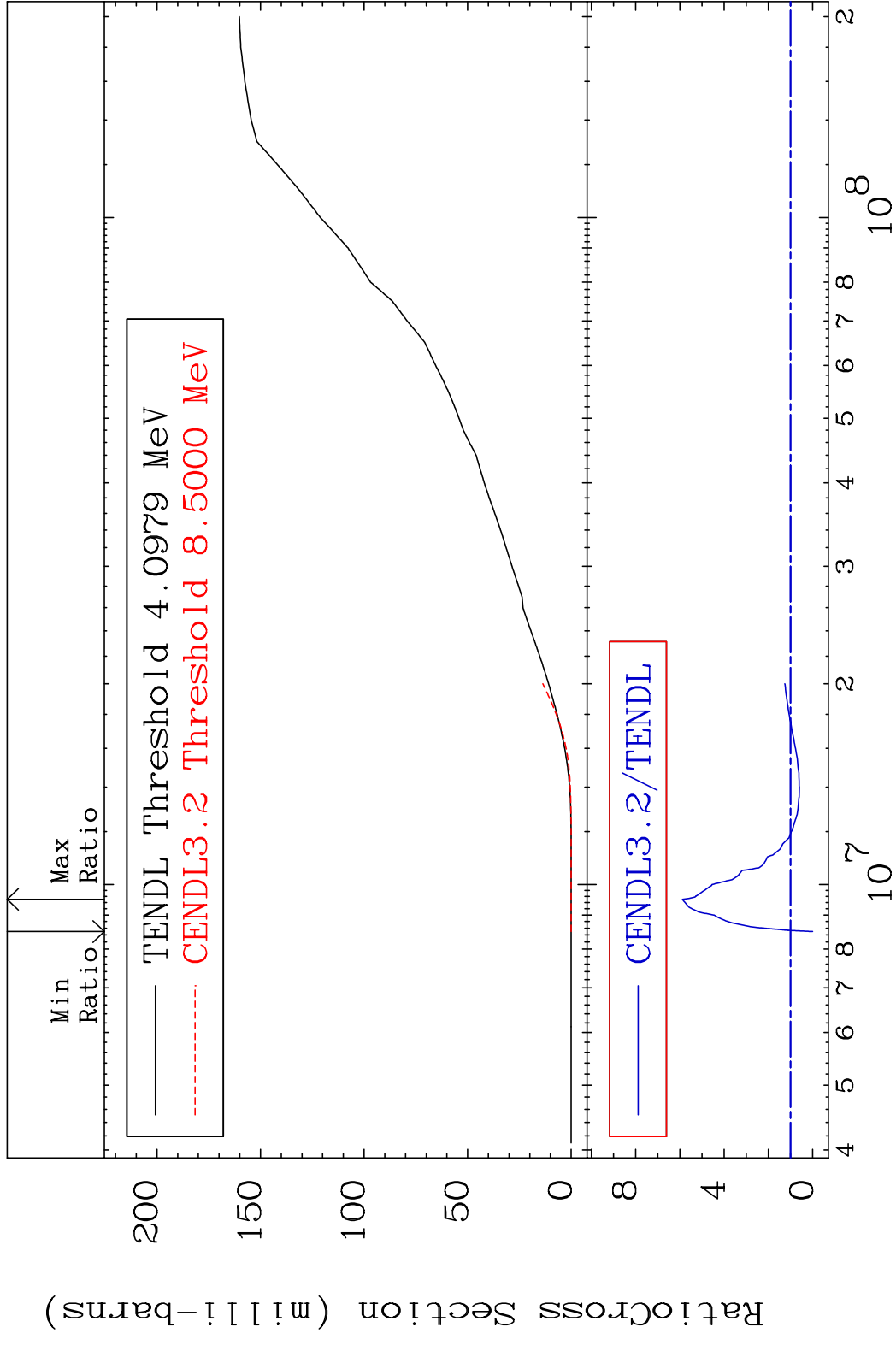


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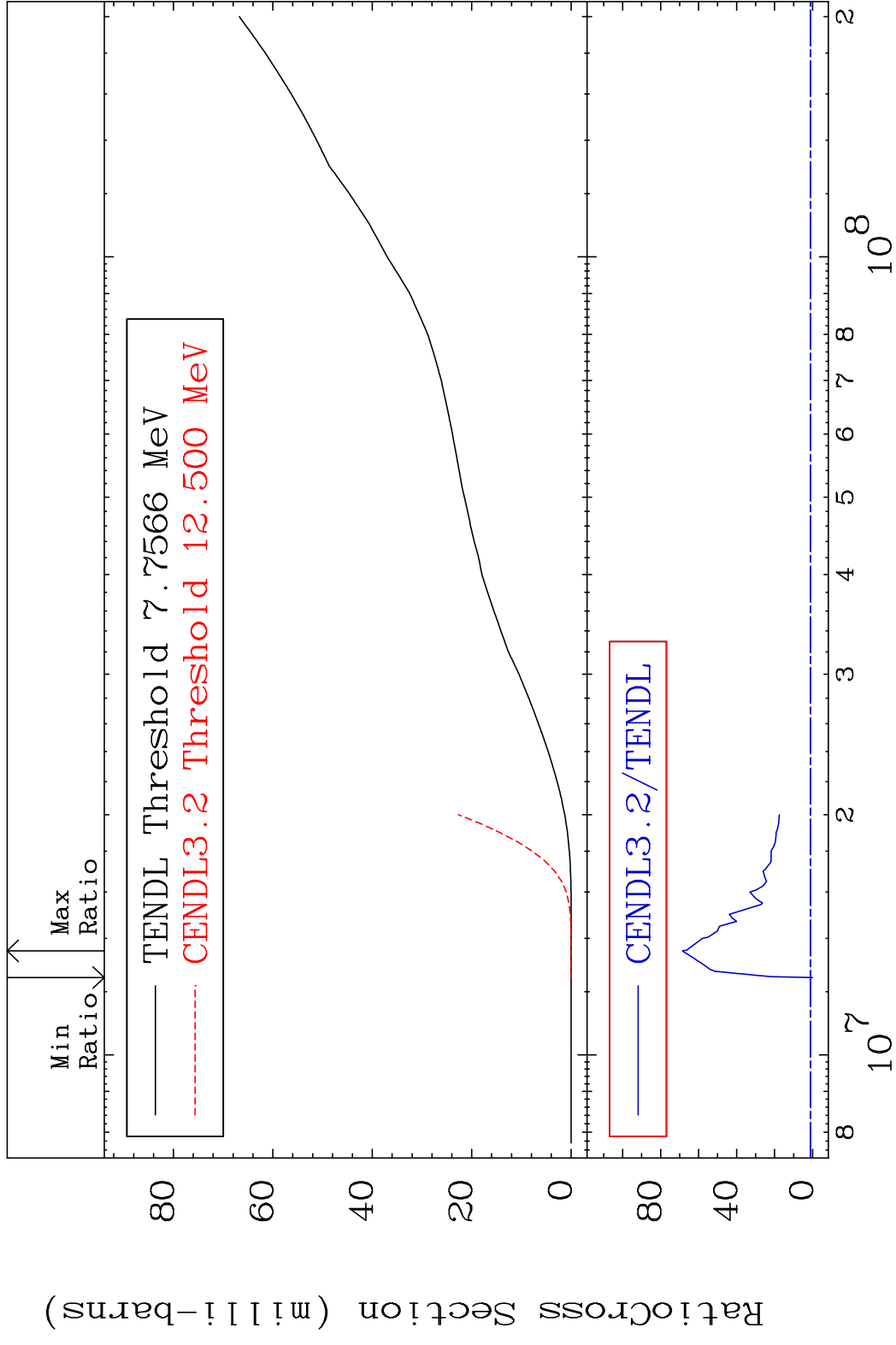
Incident Energy (eV)

62-Sm-144





MAT 6225 Tritium Production 62-Sm-144
 Cross Section -100.0 To 6757. %

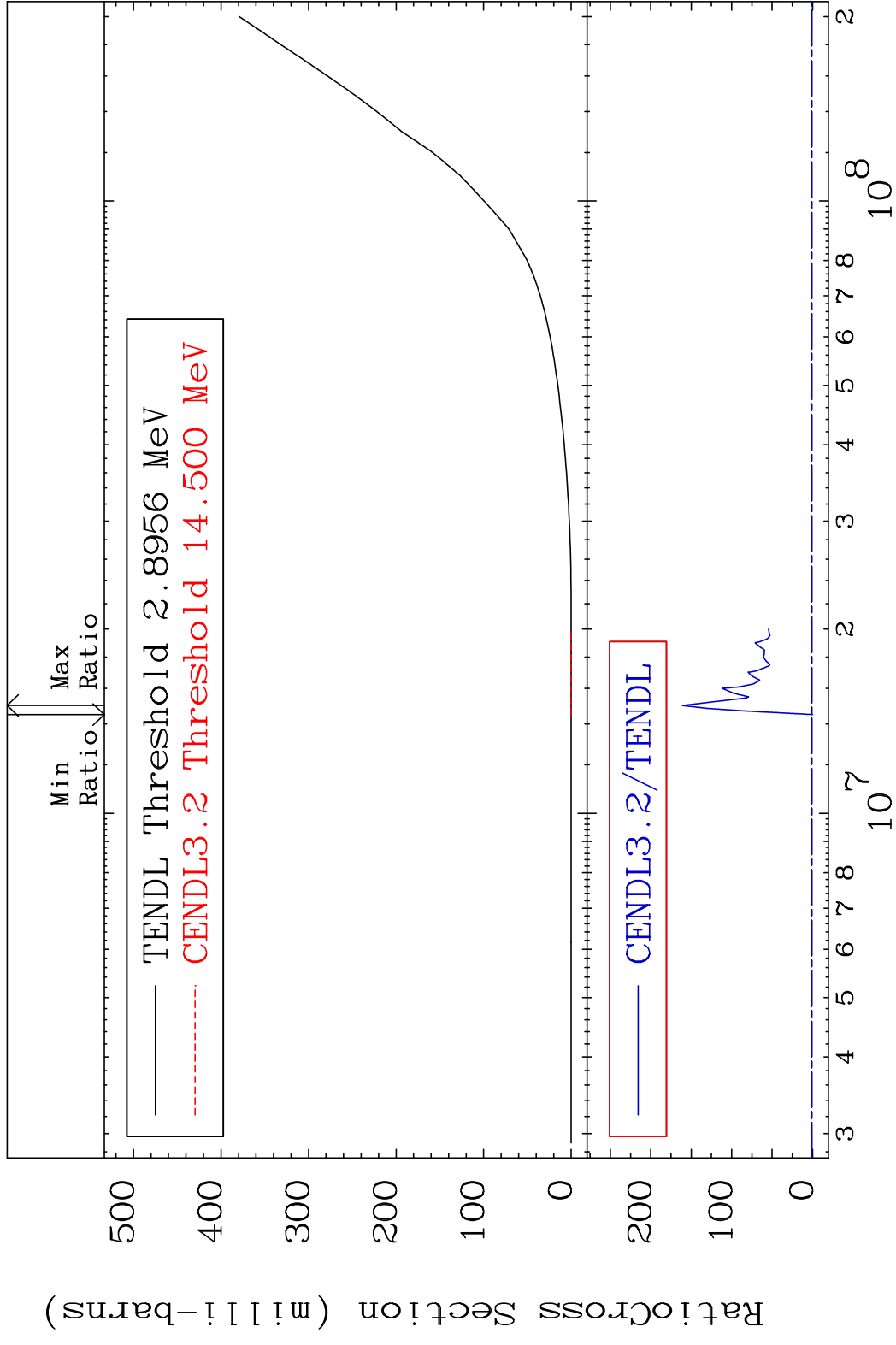


MAT 6225

He-3 Production

62-Sm-144

Cross Section -100.0 To 9999. %

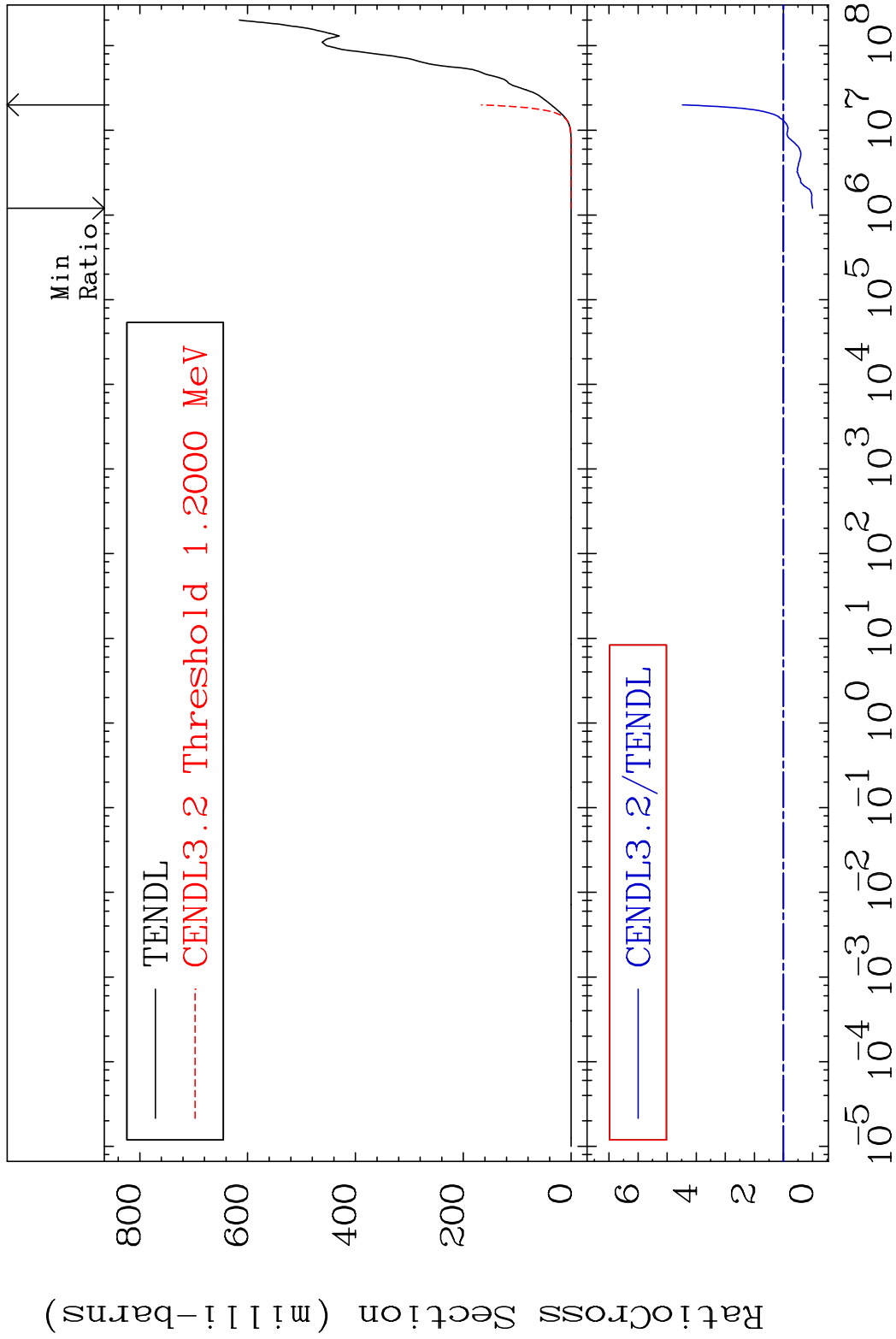


MAT 6225

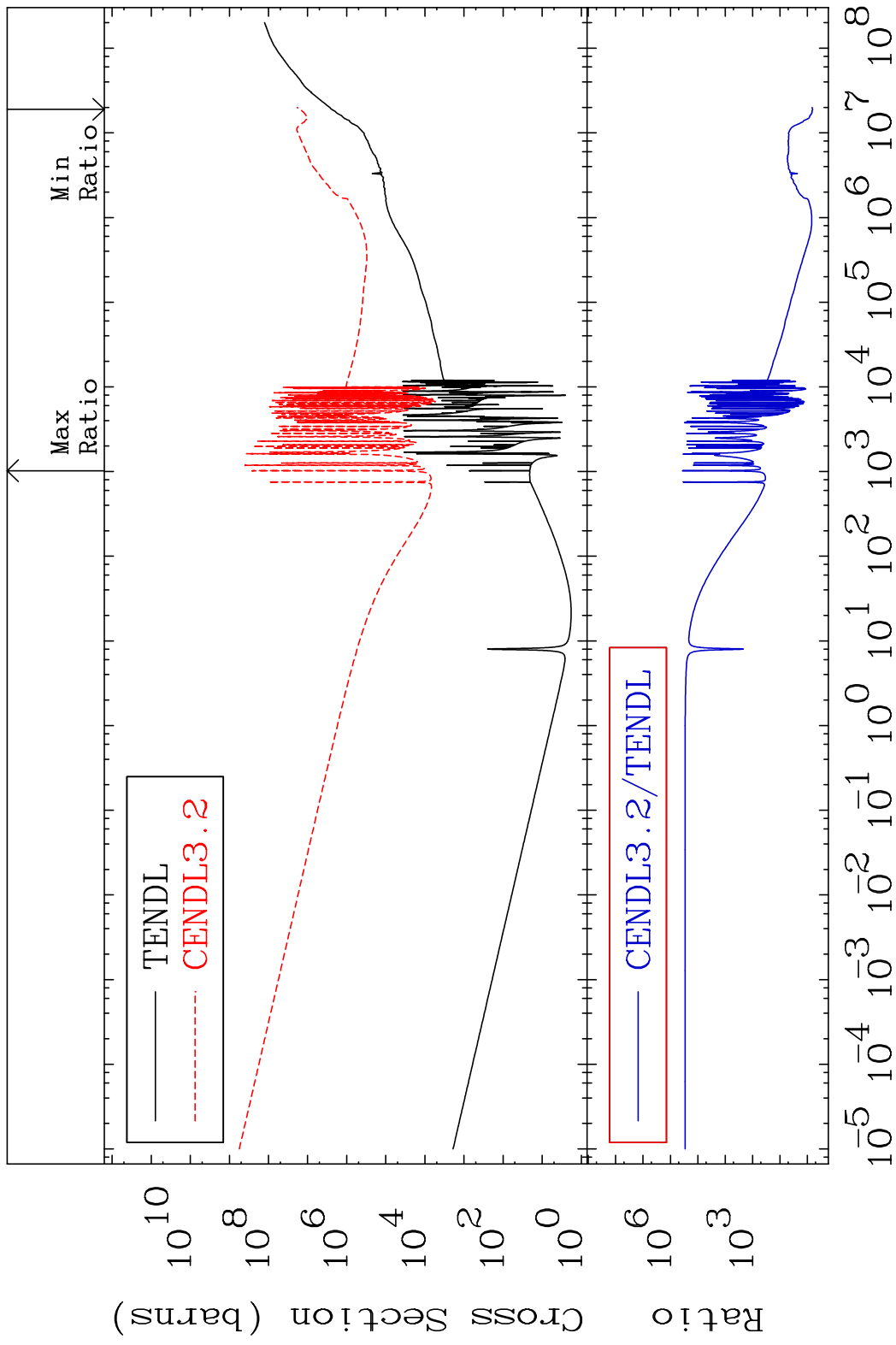
He-4 Production

62-Sm-144

Cross Section -100.0 To 347.8 %



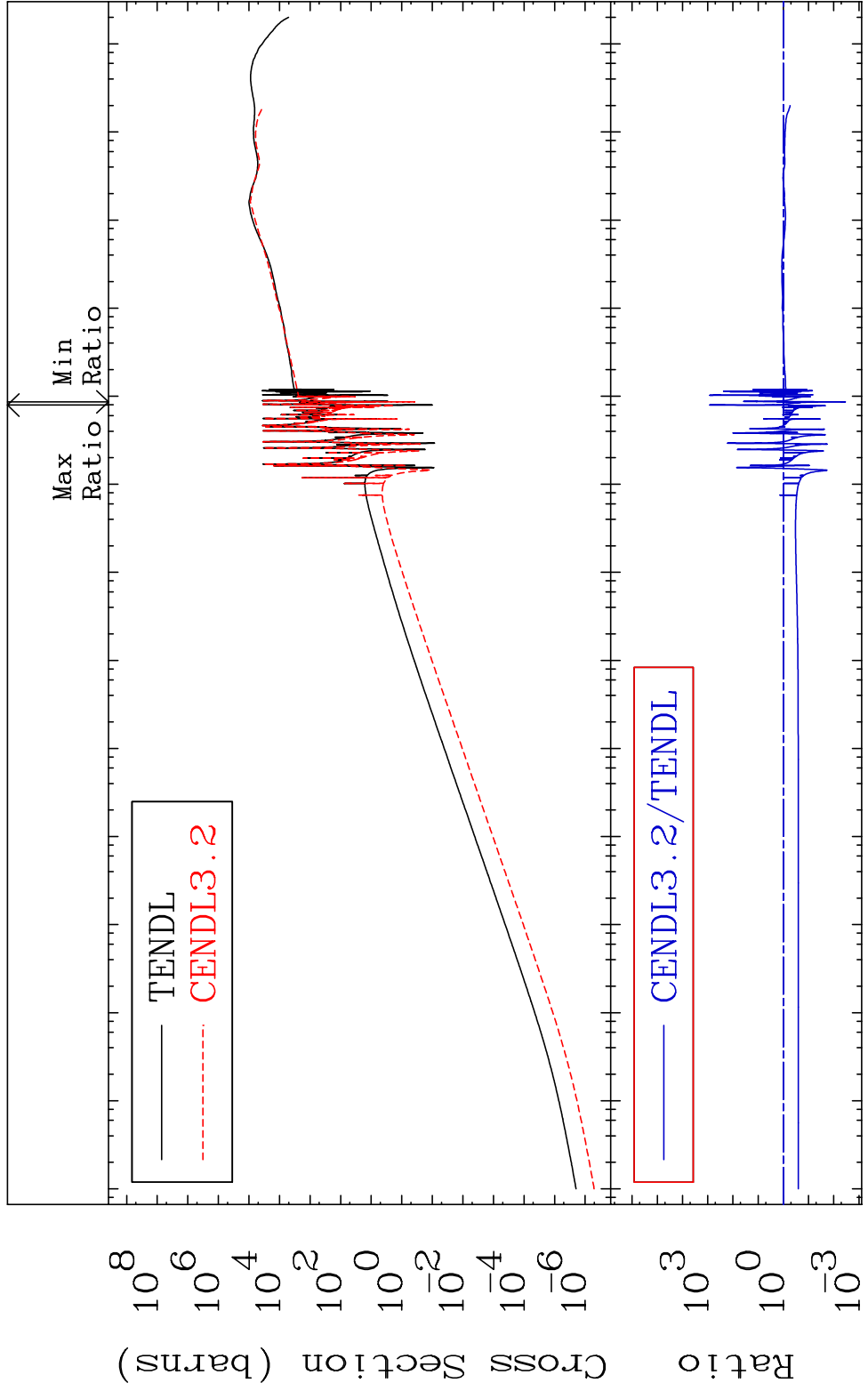
MAT 6225 Kerma total (eV-barns) 62-Sm-144
 Cross Section 543.6 To 9999. %



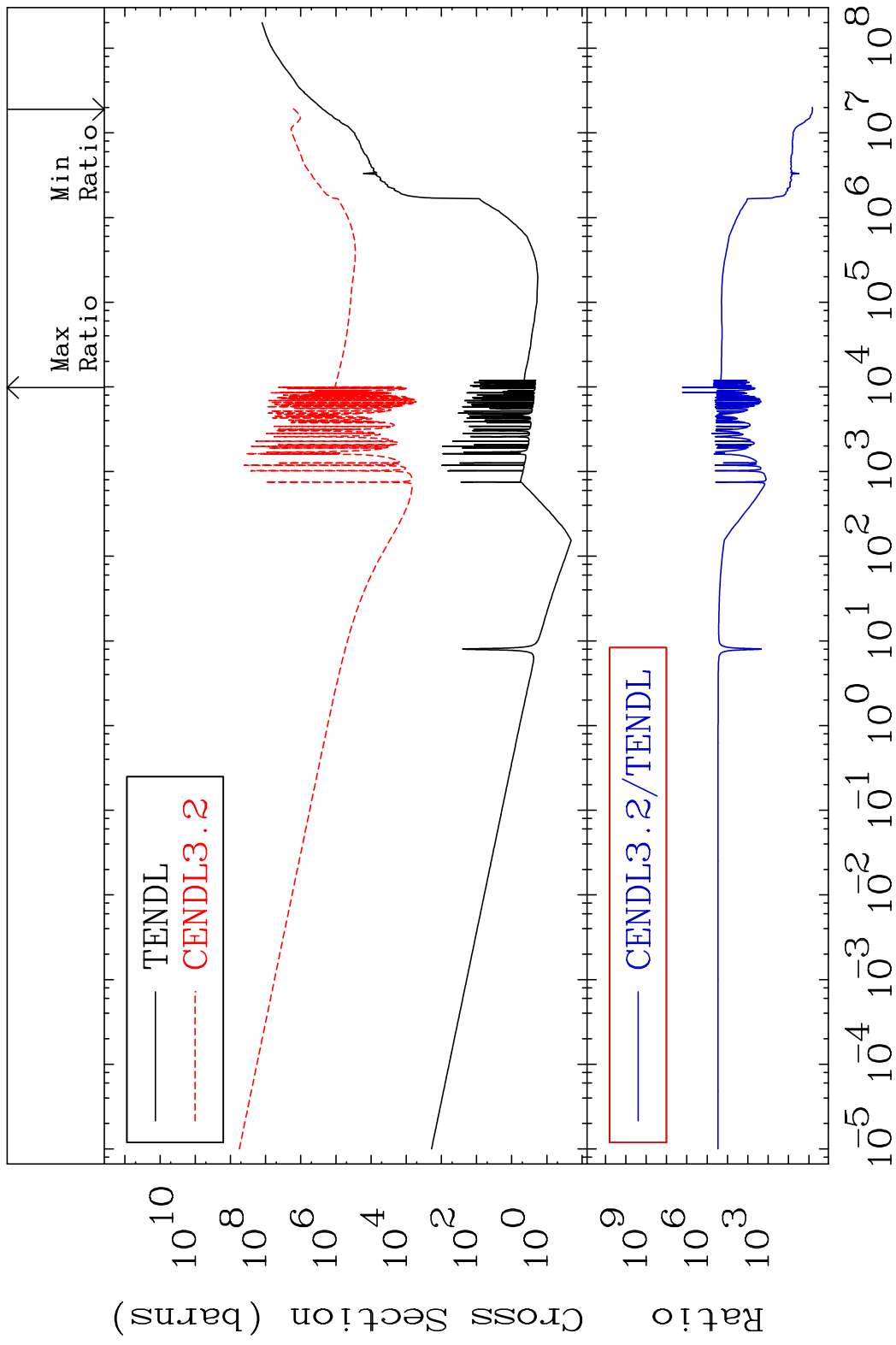
40 Incident Energy (eV) 62-Sm-144

MAT 6225

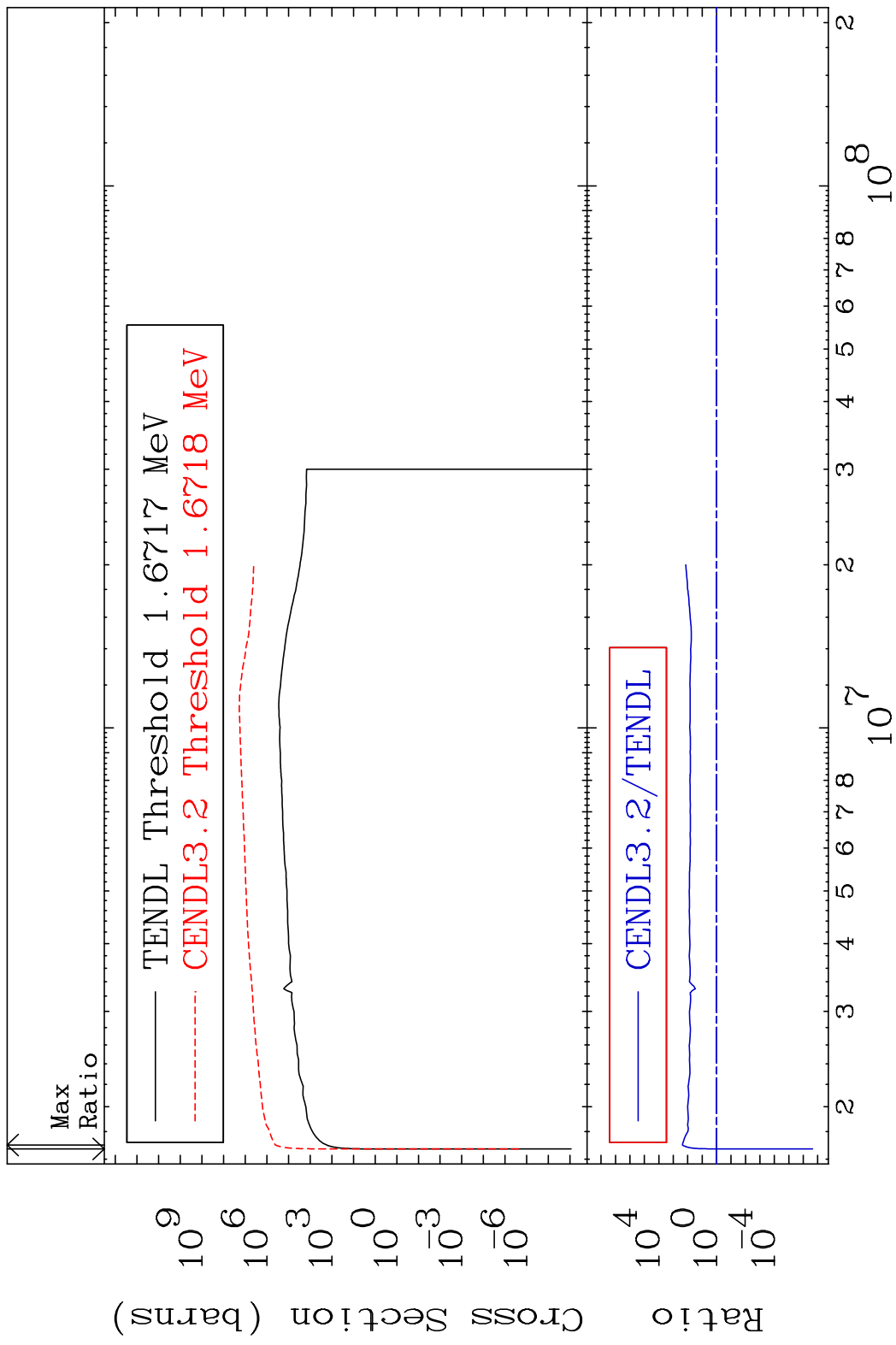
Kerma elastic Cross Section -99.65 To 9999. %
62-Sm-144



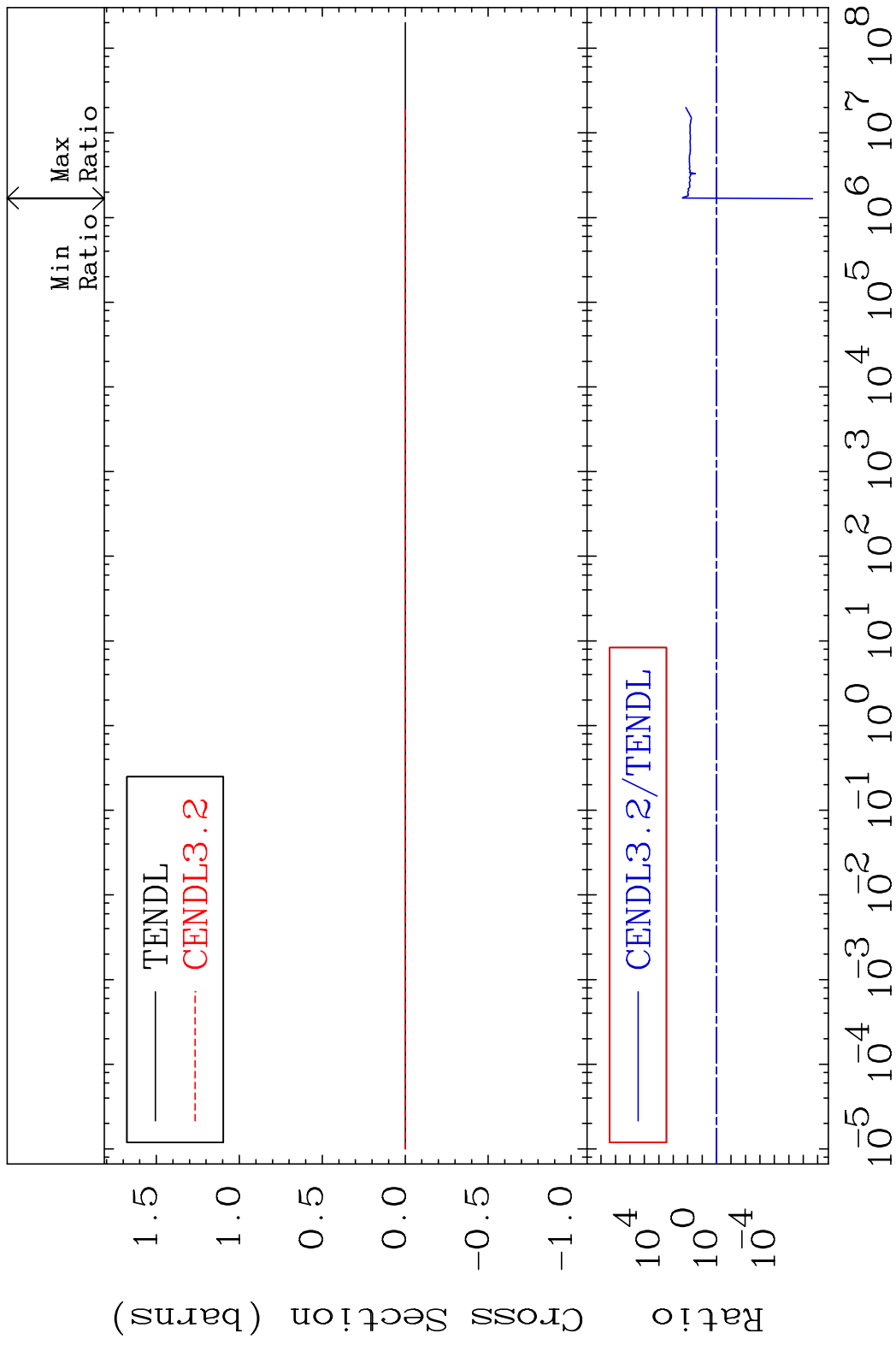
MAT 6225 Kerma non-elastic (all but mt2) 62-Sm-144
 Cross Section 559.9 To 9999. %

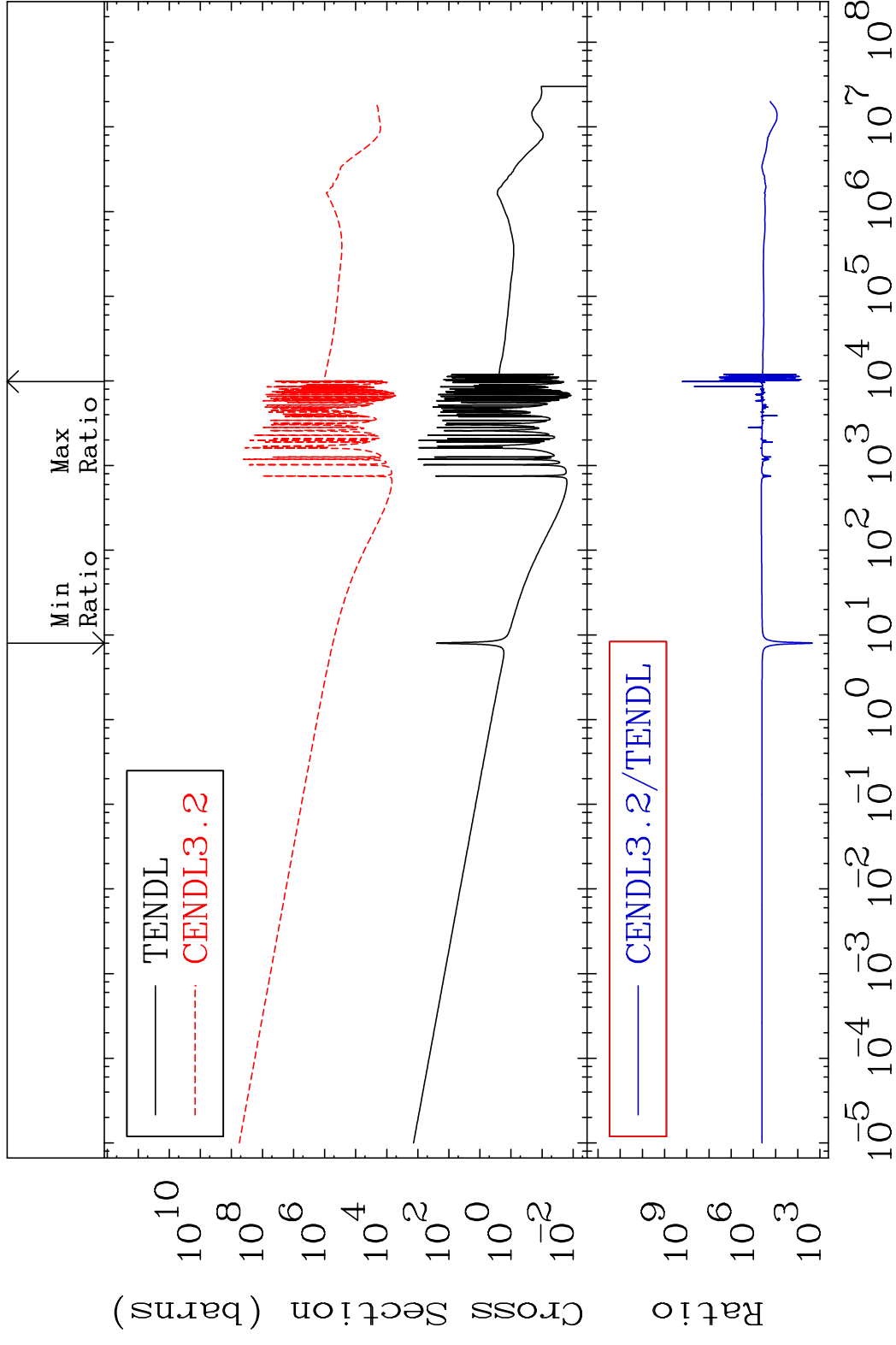


MAT 6225 Kerma inelastic (mt51-91) 62-Sm-144
 Cross Section -100.0 To 9999. %

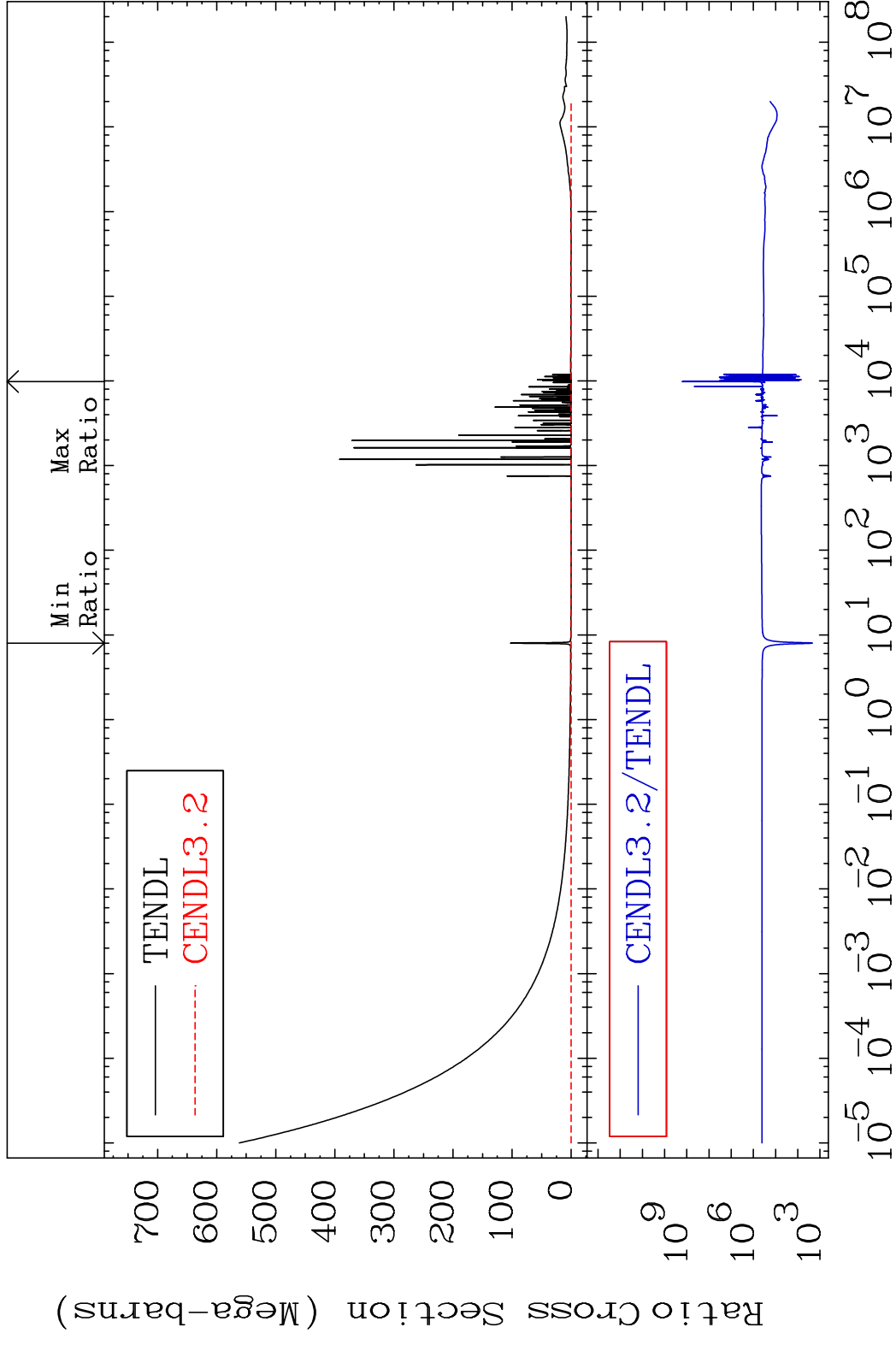


MAT 6225 Kerma fission (mt18 or mt19-20-21-38) ^{62}Sm -144
 Cross Section -100.0 To 9999. %

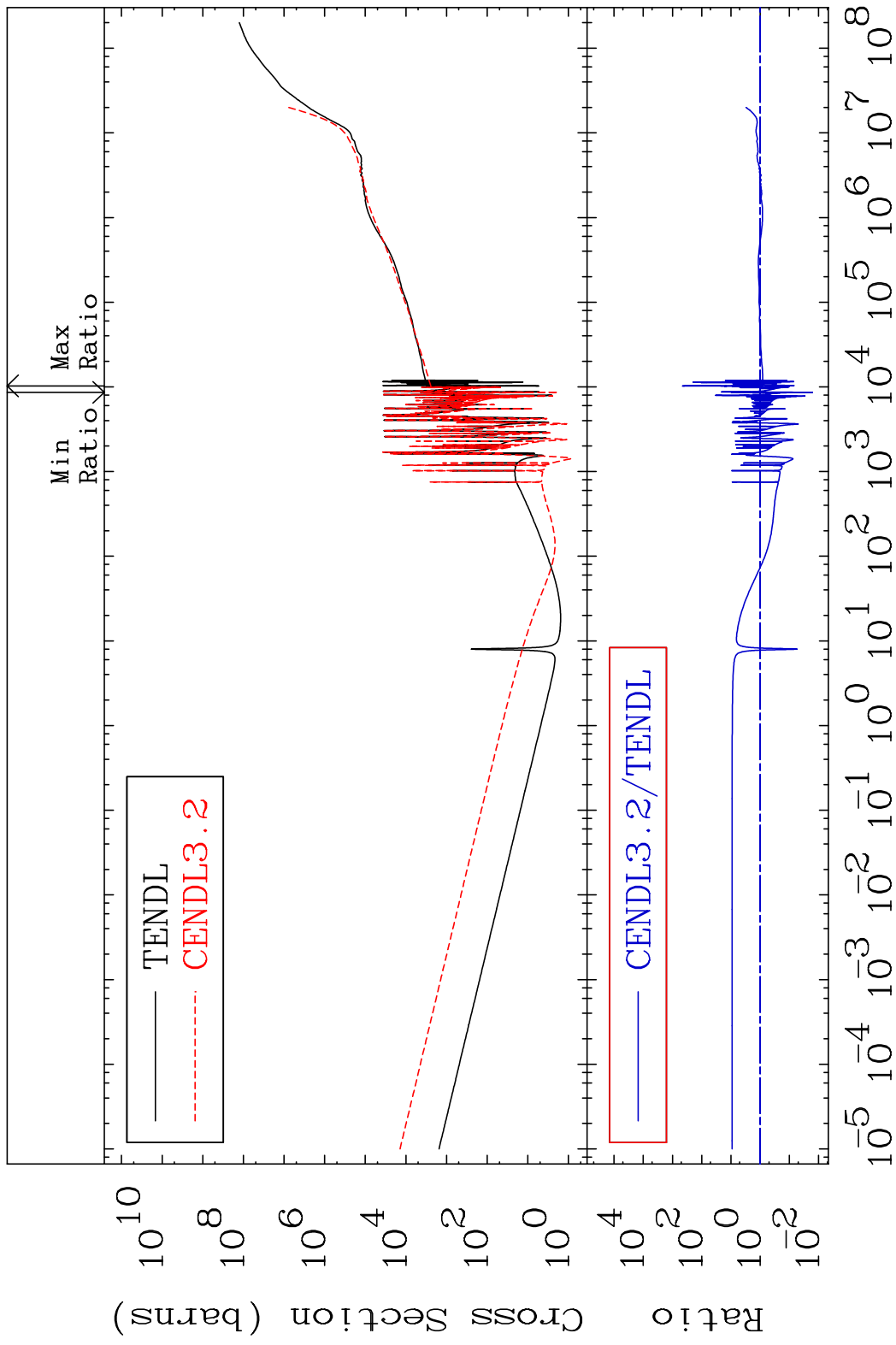




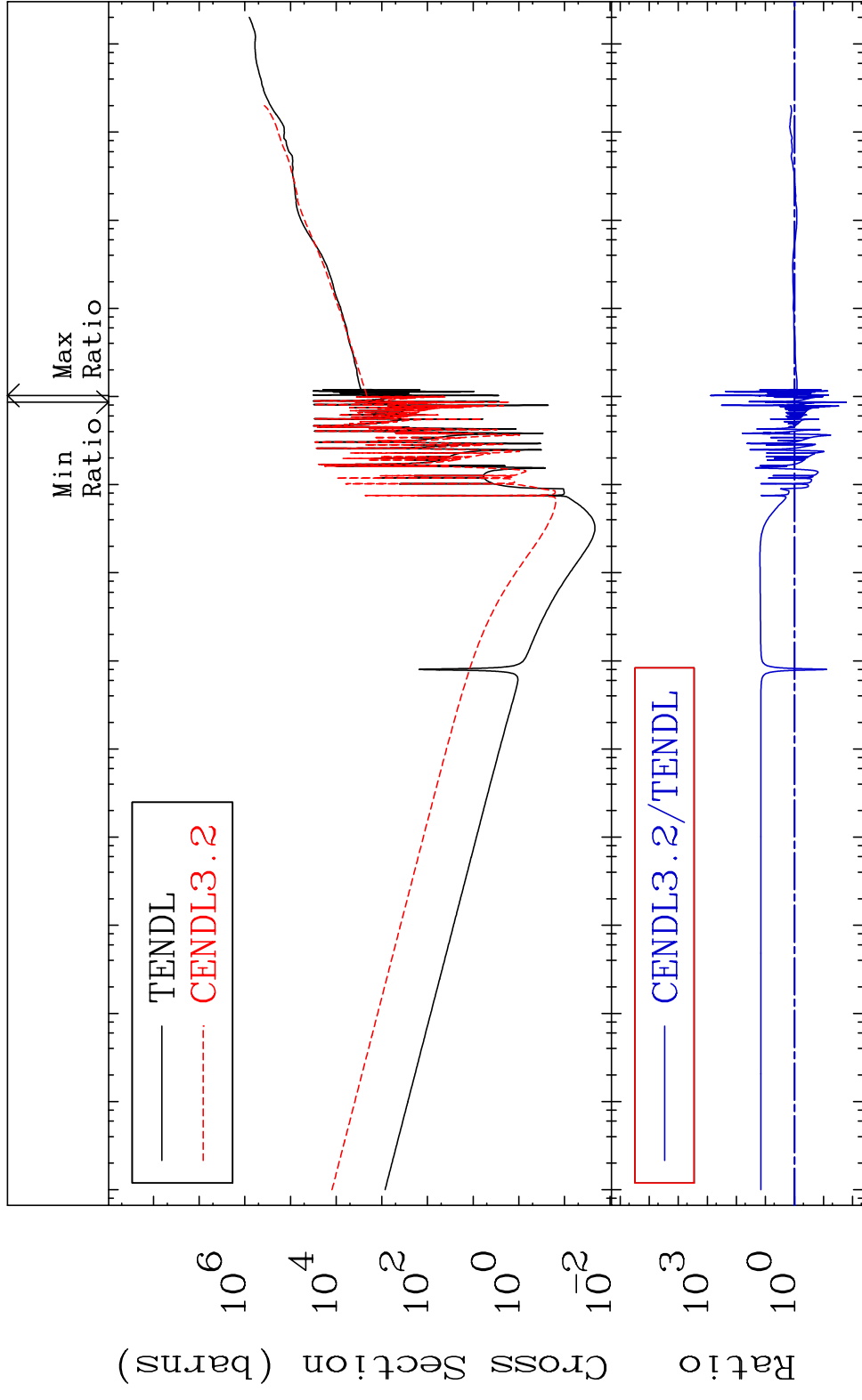
MAT 6225 Total photon (eV-barns) 62-Sm-144
 Cross Section 9999. To 9999. %



MAT 6225 Total kinematic kerma (high limit) 62-Sm-144
 Cross Section -98.38 To 9999. %



MAT 6225 Dpa total (eV-barns) 62-Sm-144
 Cross Section -98.35 To 9999. %

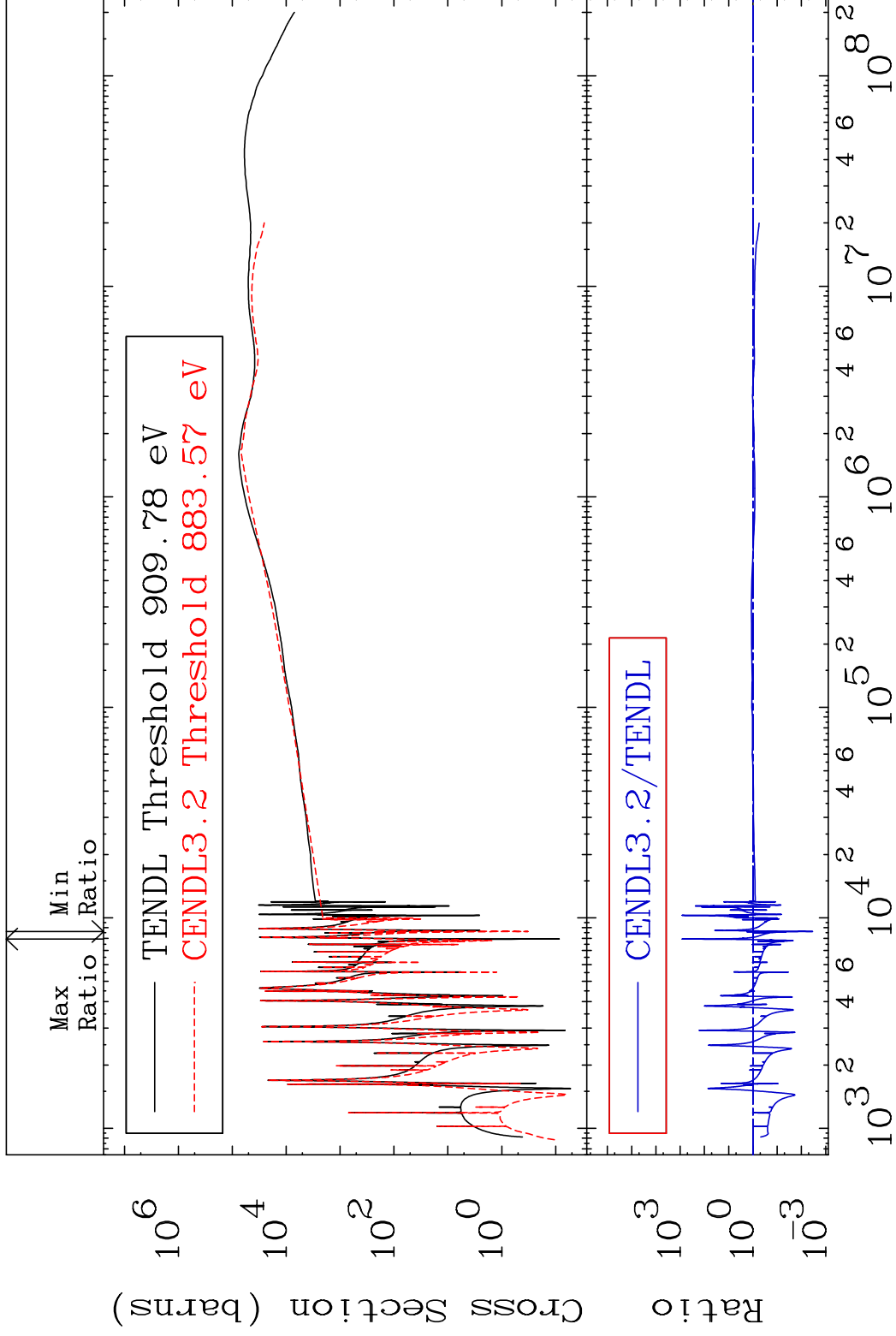


MAT 6225

Dpa elastic (mt2)

62-Sm-144

Cross Section -99.65 To 9999. %

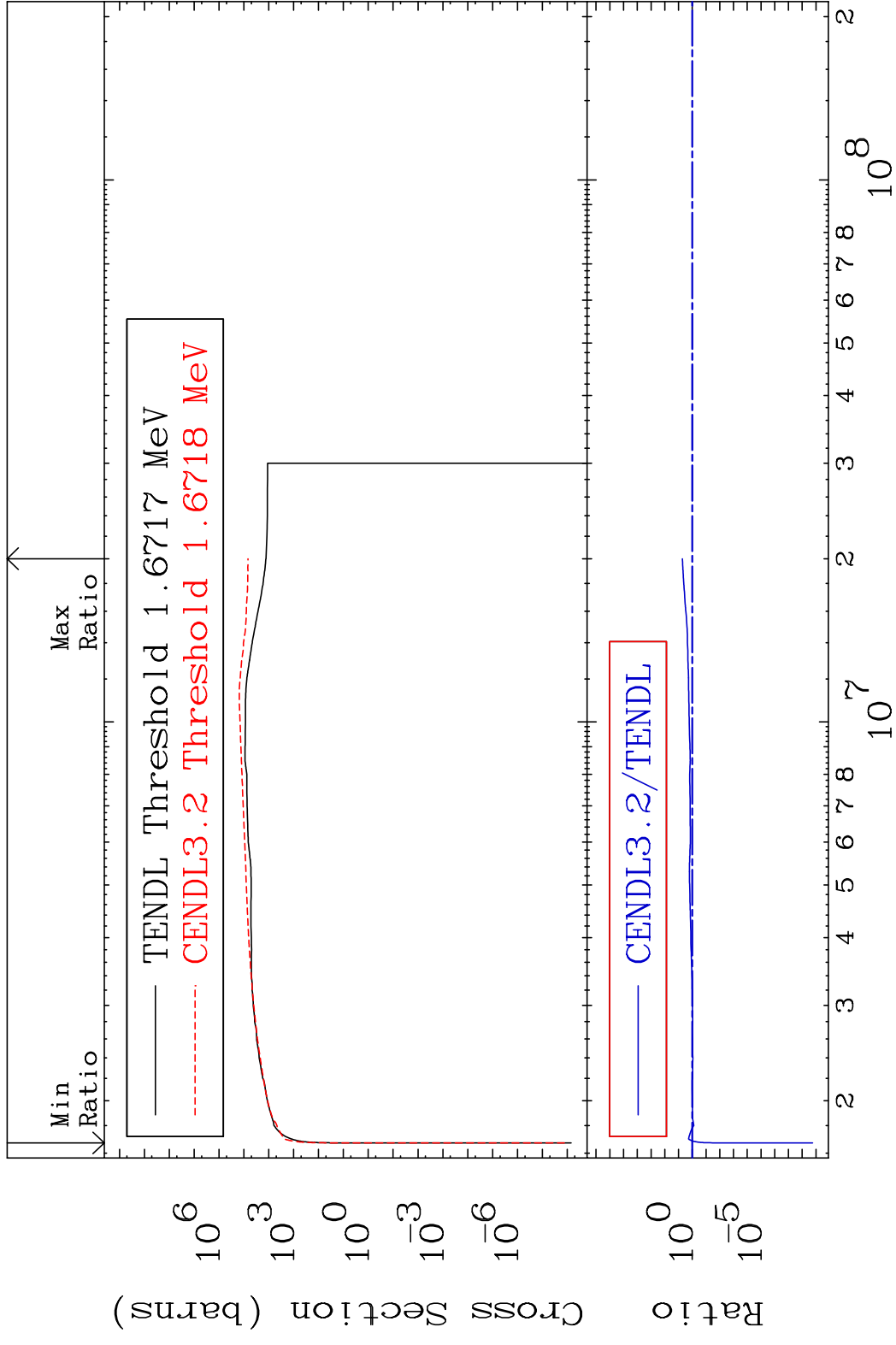


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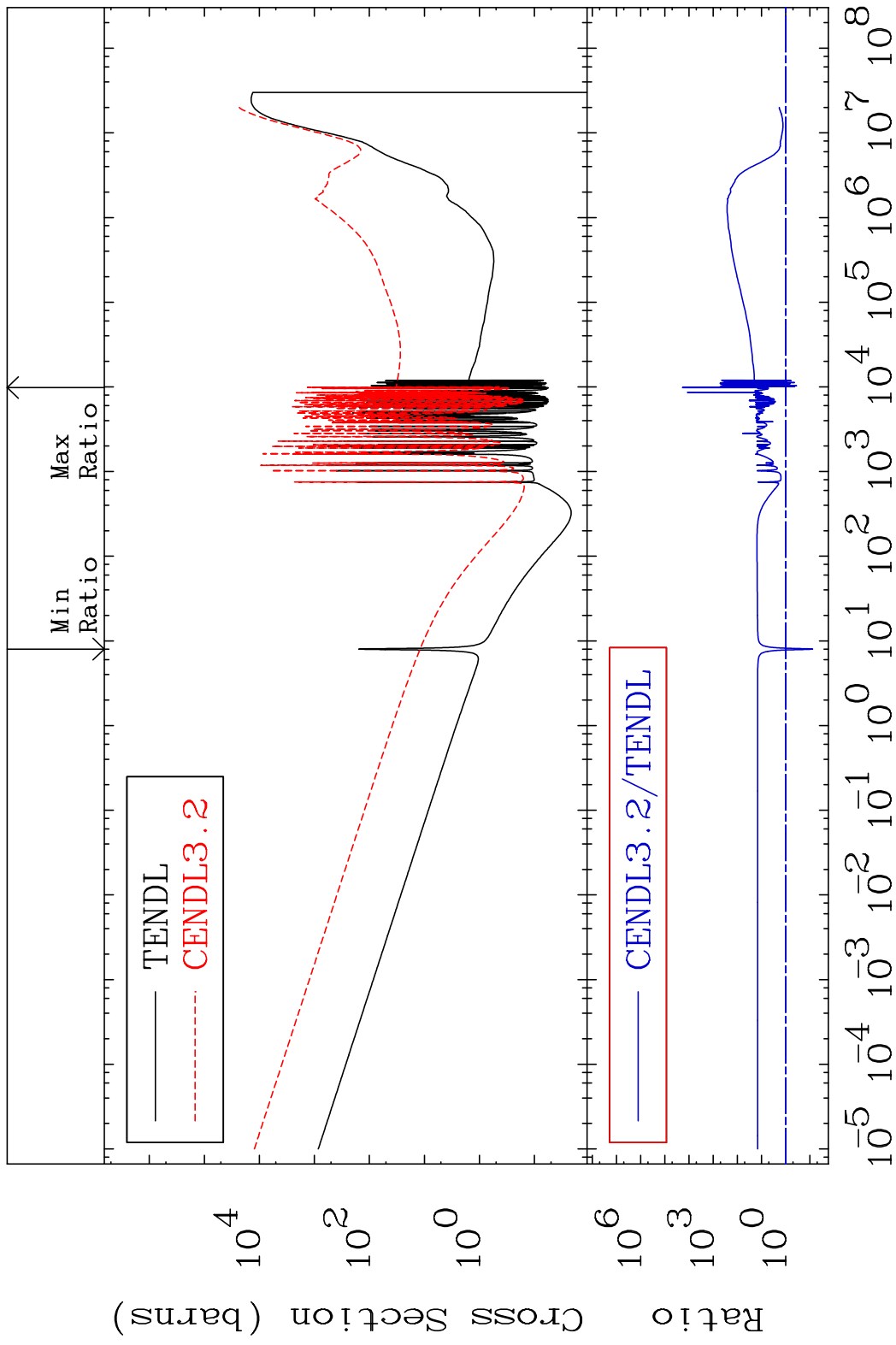
Incident Energy (eV)

62-Sm-144

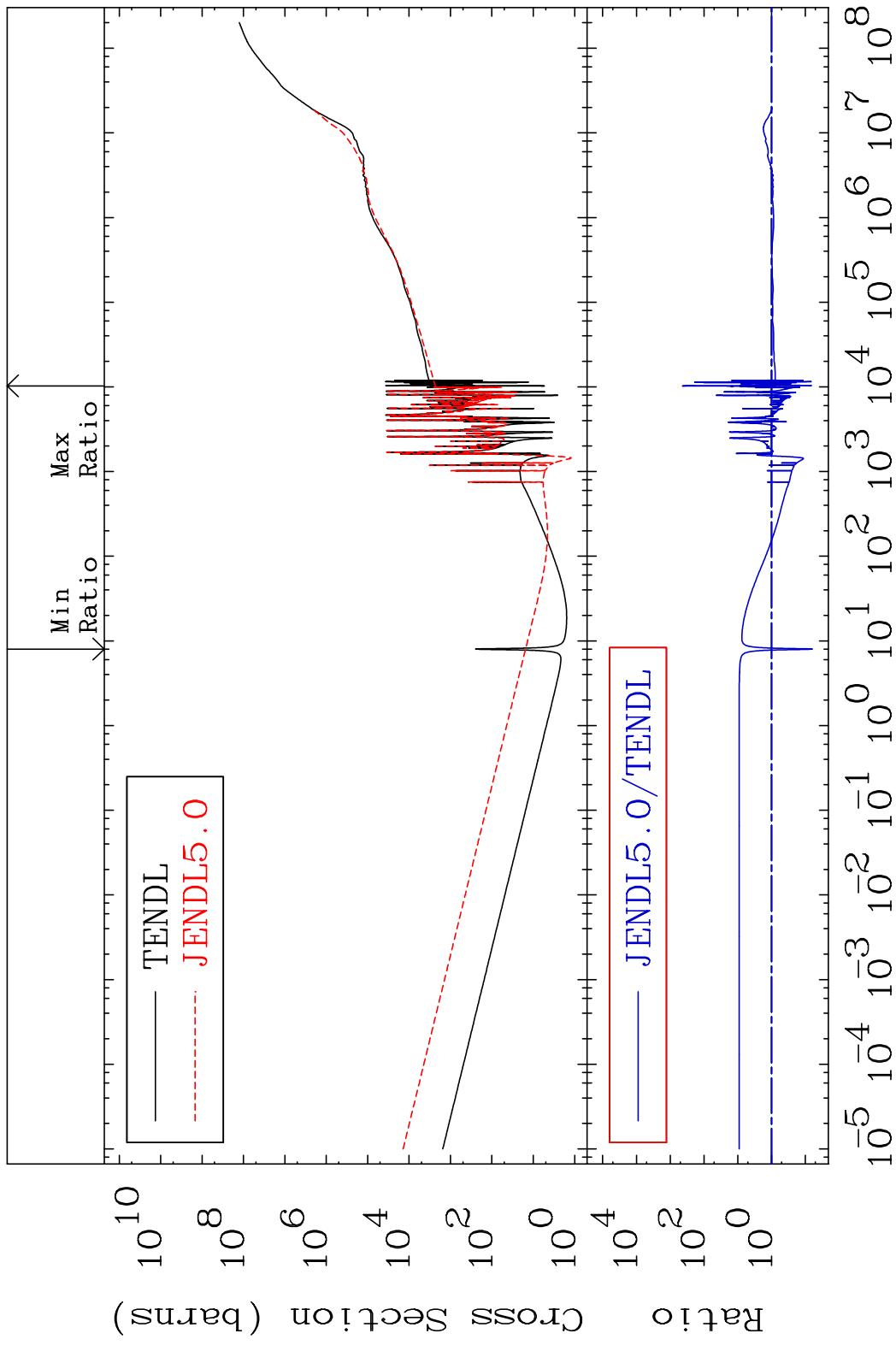
MAT 6225 Dpa inelastic (mt51-91) 62-Sm-144
 Cross Section -100.0 To 426.2 %



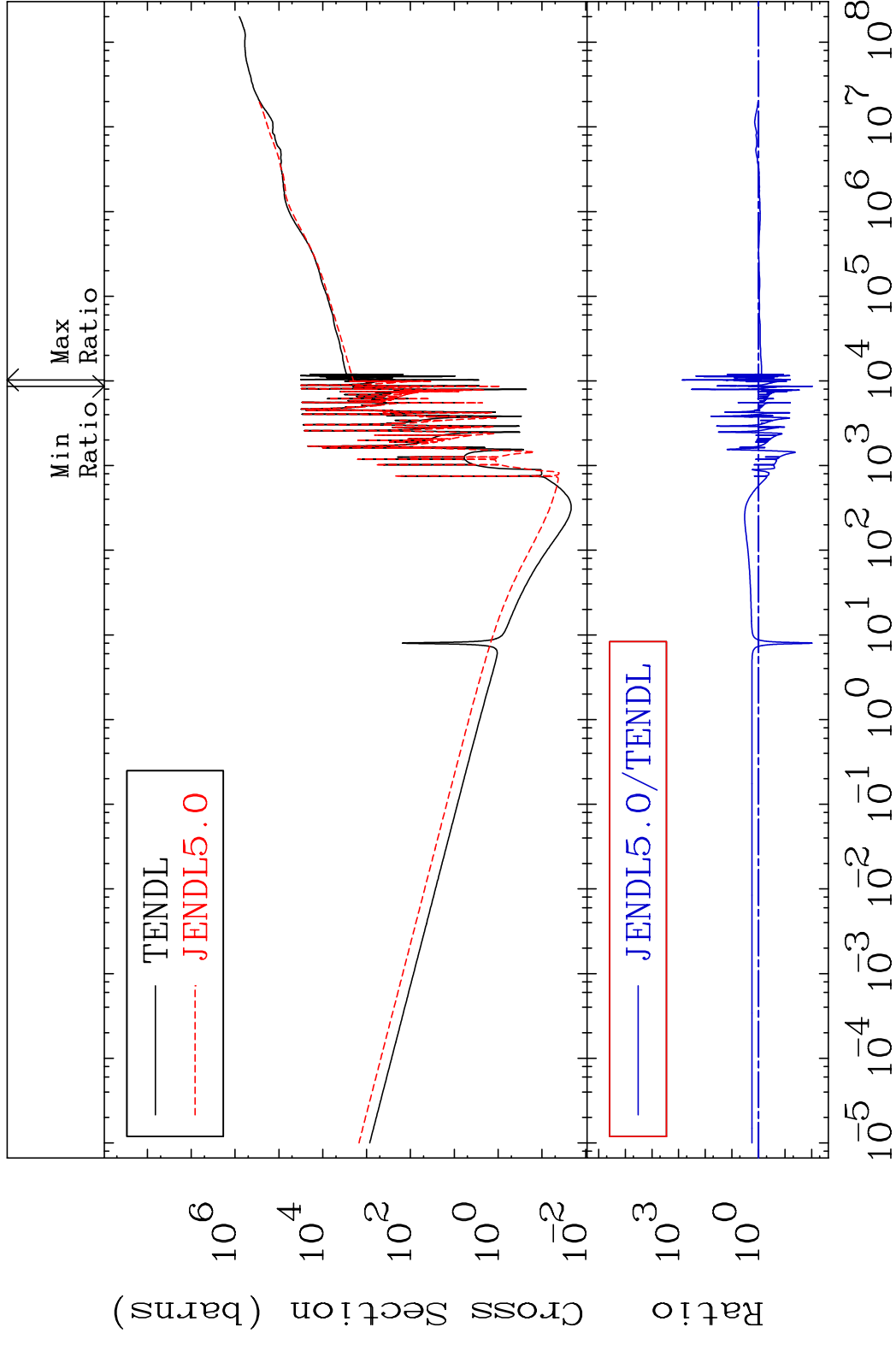
MAT 6225 Dpa disappearance (mt102 -120) 62-Sm-144
 Cross Section -92.28 To 9999. %



MAT 6225 Total kinematic kerma (high limit) 62-Sm-144
 Cross Section -93.91 To 9999. %



MAT 6225 Dpa total (eV-barns) 62-Sm-144
 Cross Section -99.07 To 9999. %

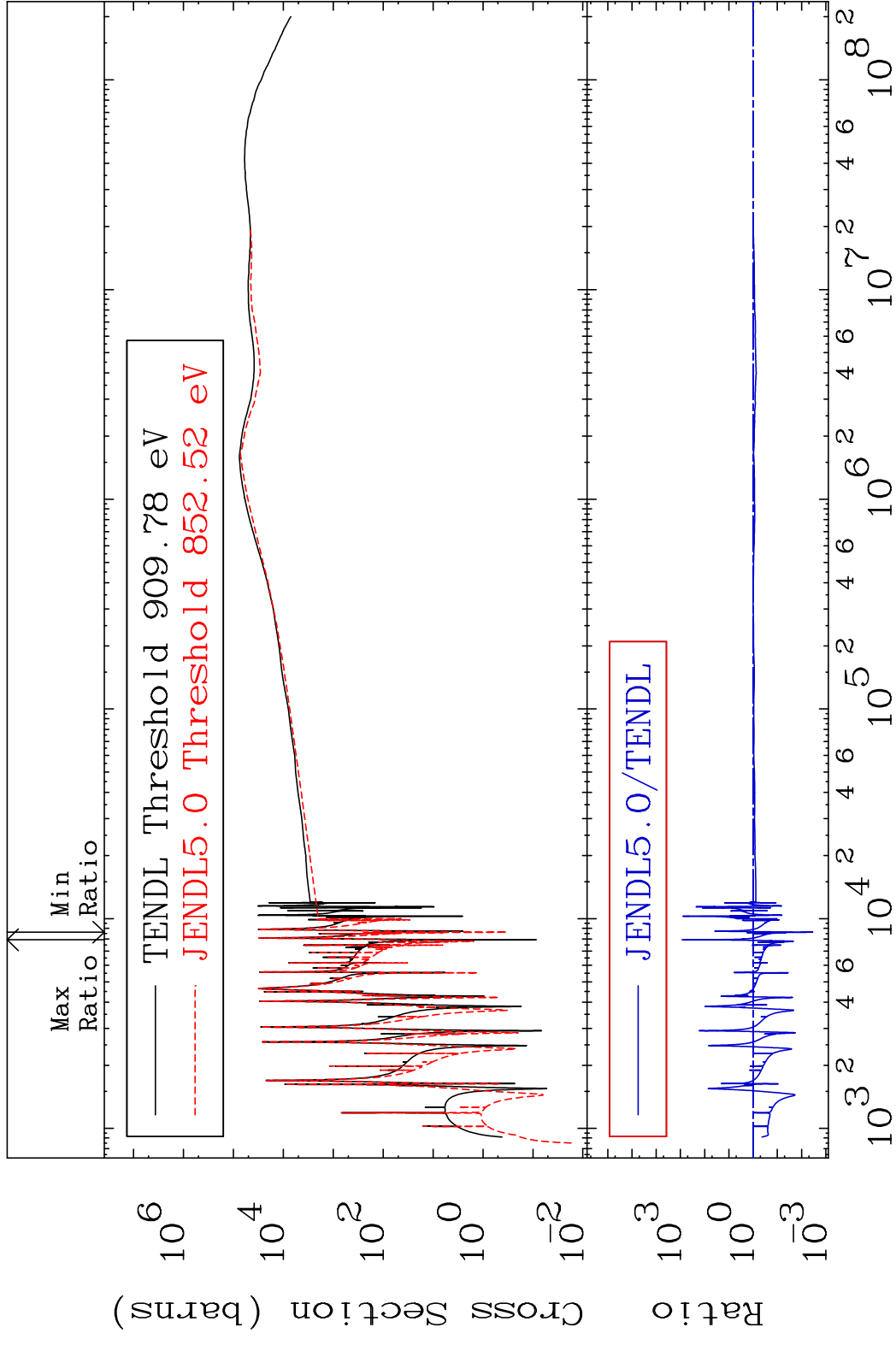


MAT 6225

Dpa elastic (mt2)

62-Sm-144

Cross Section -99.65 To 9999. %



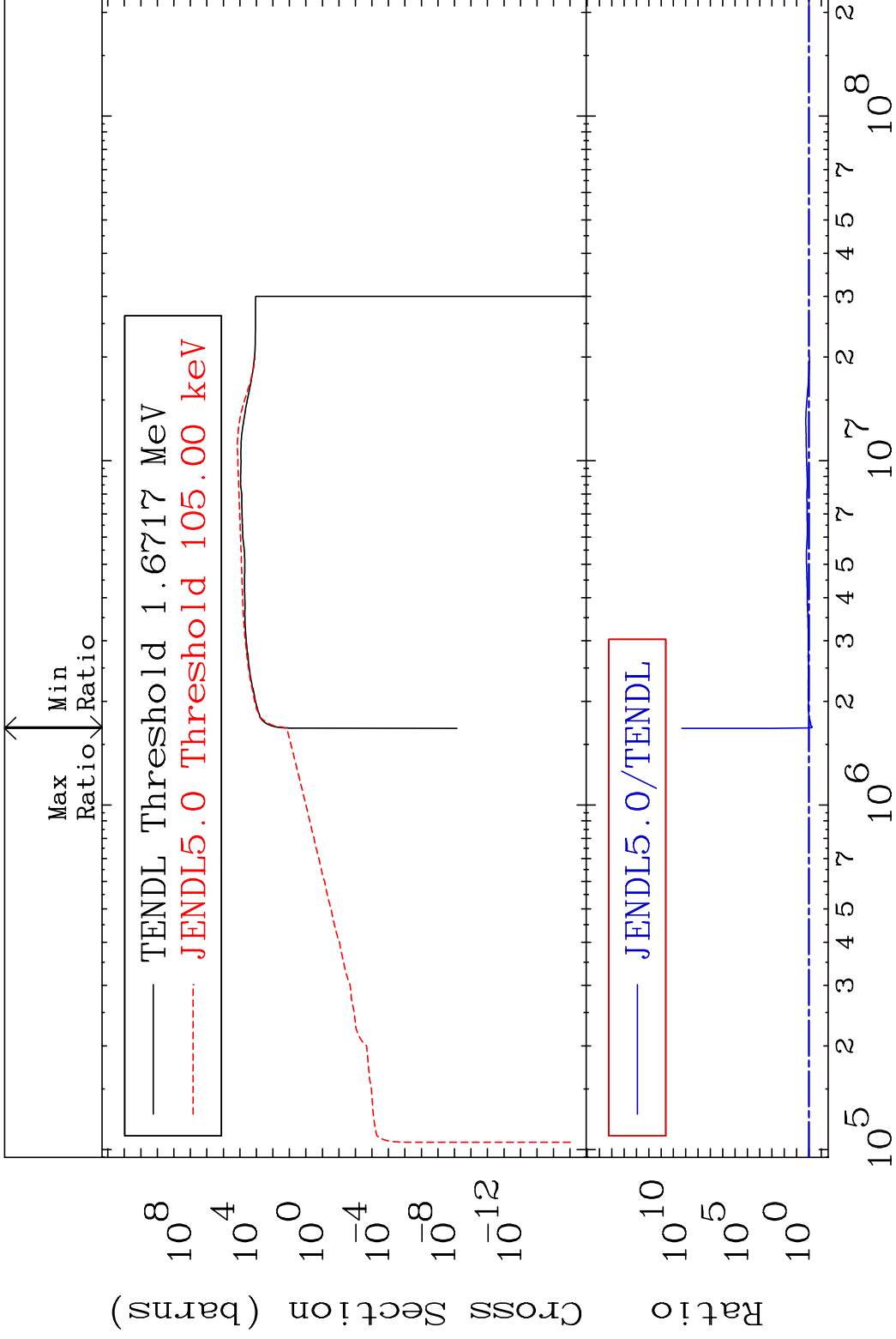
54

Incident Energy (eV)

62-Sm-144

MAT 6225

Dpa inelastic (mt51-91) 62-Sm-144
Cross Section -46.84 To 9999. %

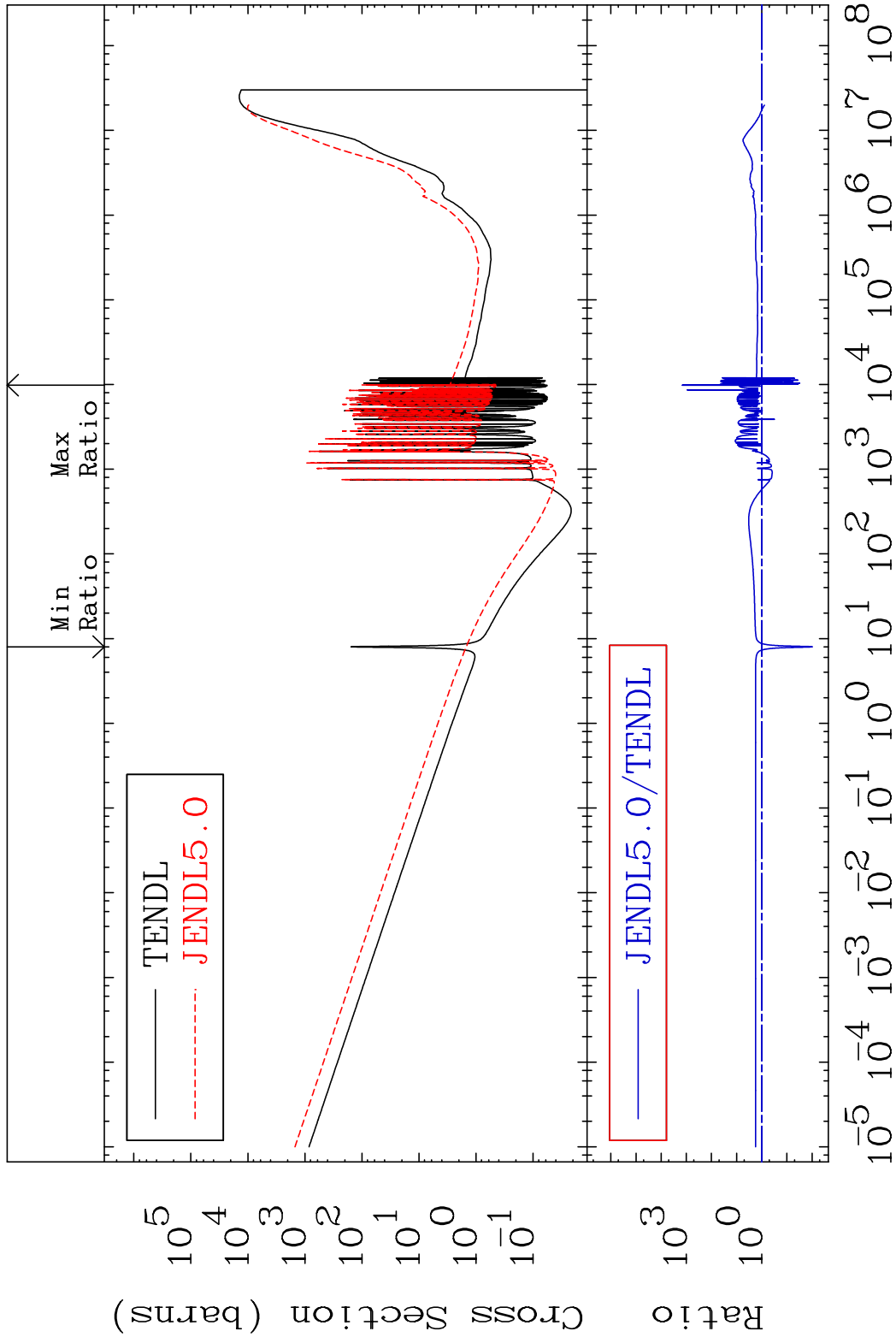


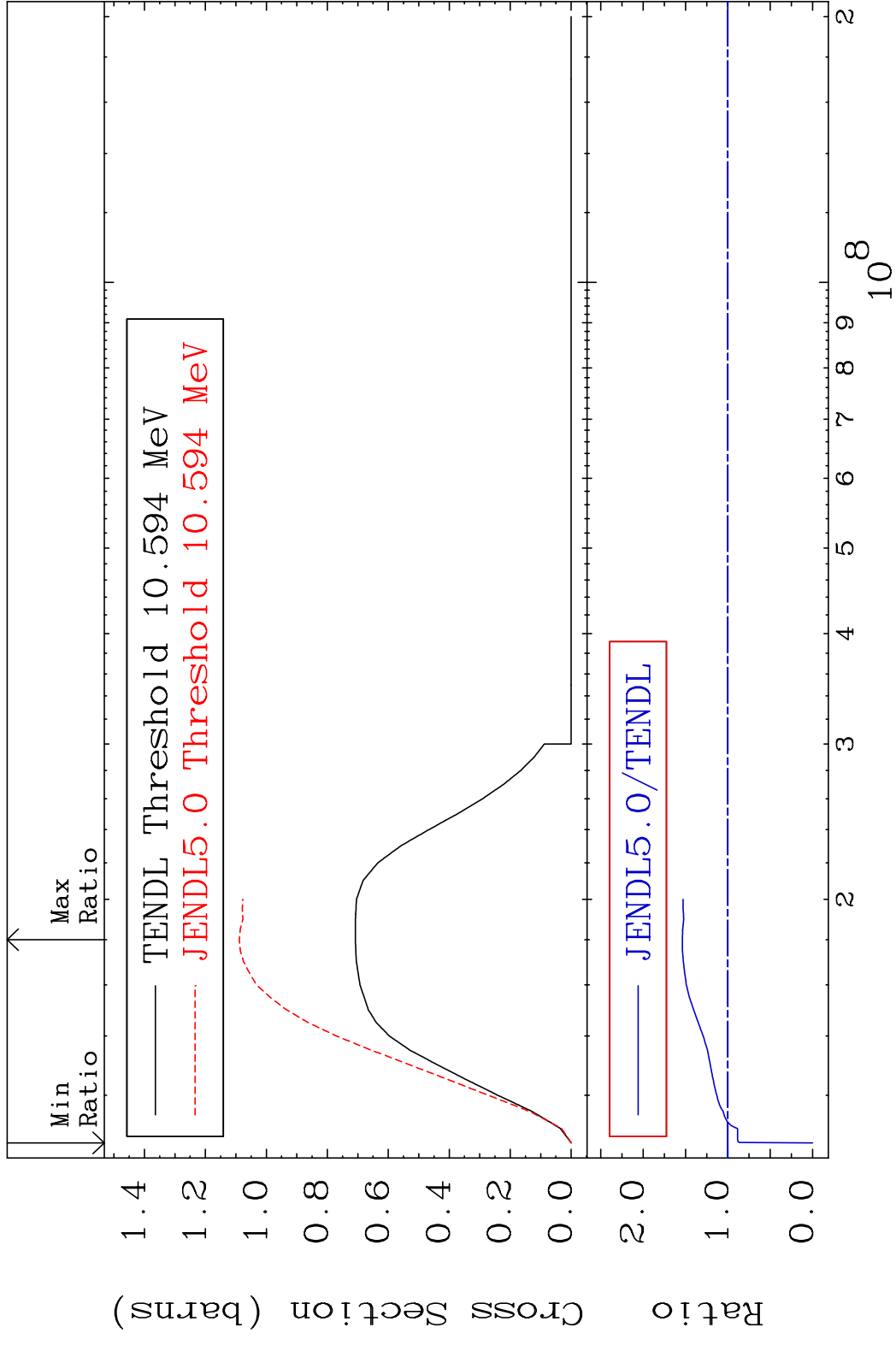
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Incident Energy (eV)

62-Sm-144

MAT 6225 Dpa disappearance (mt102 -120) 62-Sm-144
 Cross Section -99.04 To 9999. %





MAT 6225 (n, 2n):62-Sm-143m2 62-Sm-144
 Radionuclide Production Cross Section Ratio 13.00 %

