

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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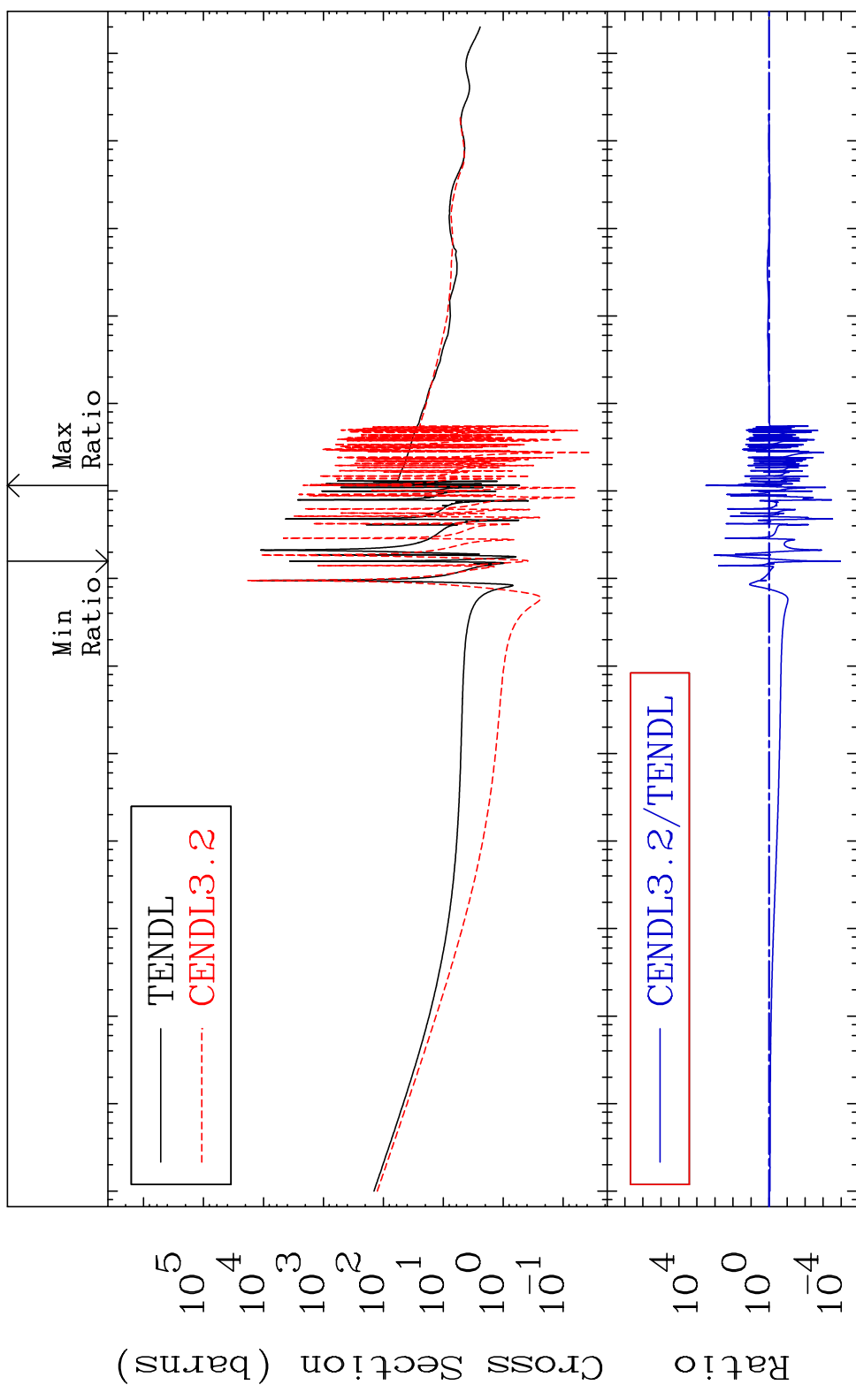
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6237

Total Cross Section
62-Sm-148
-99.99 To 9999. %



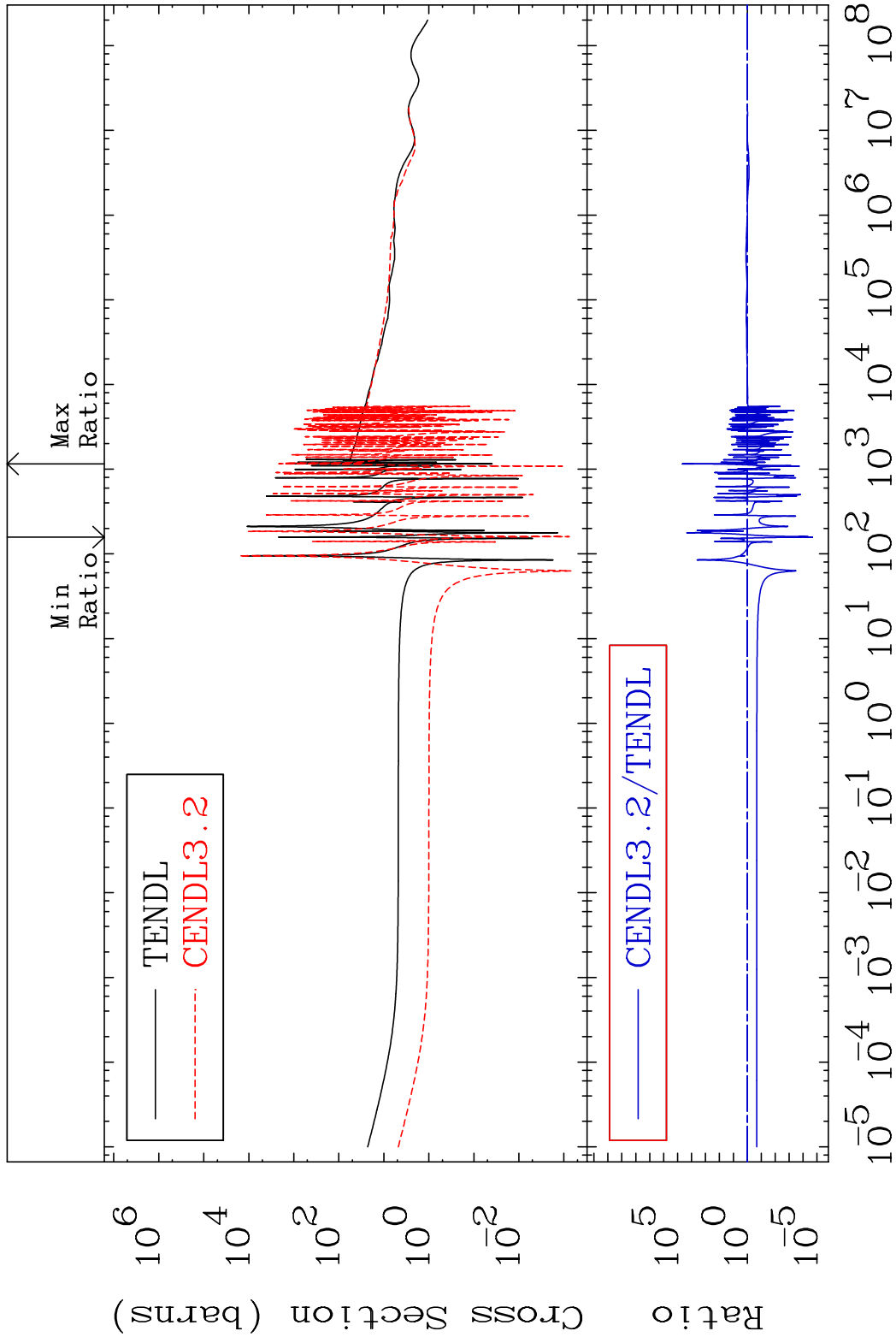
1 Incident Energy (eV) 62-Sm-148

MAT 6237

Elastic

62-Sm-148

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

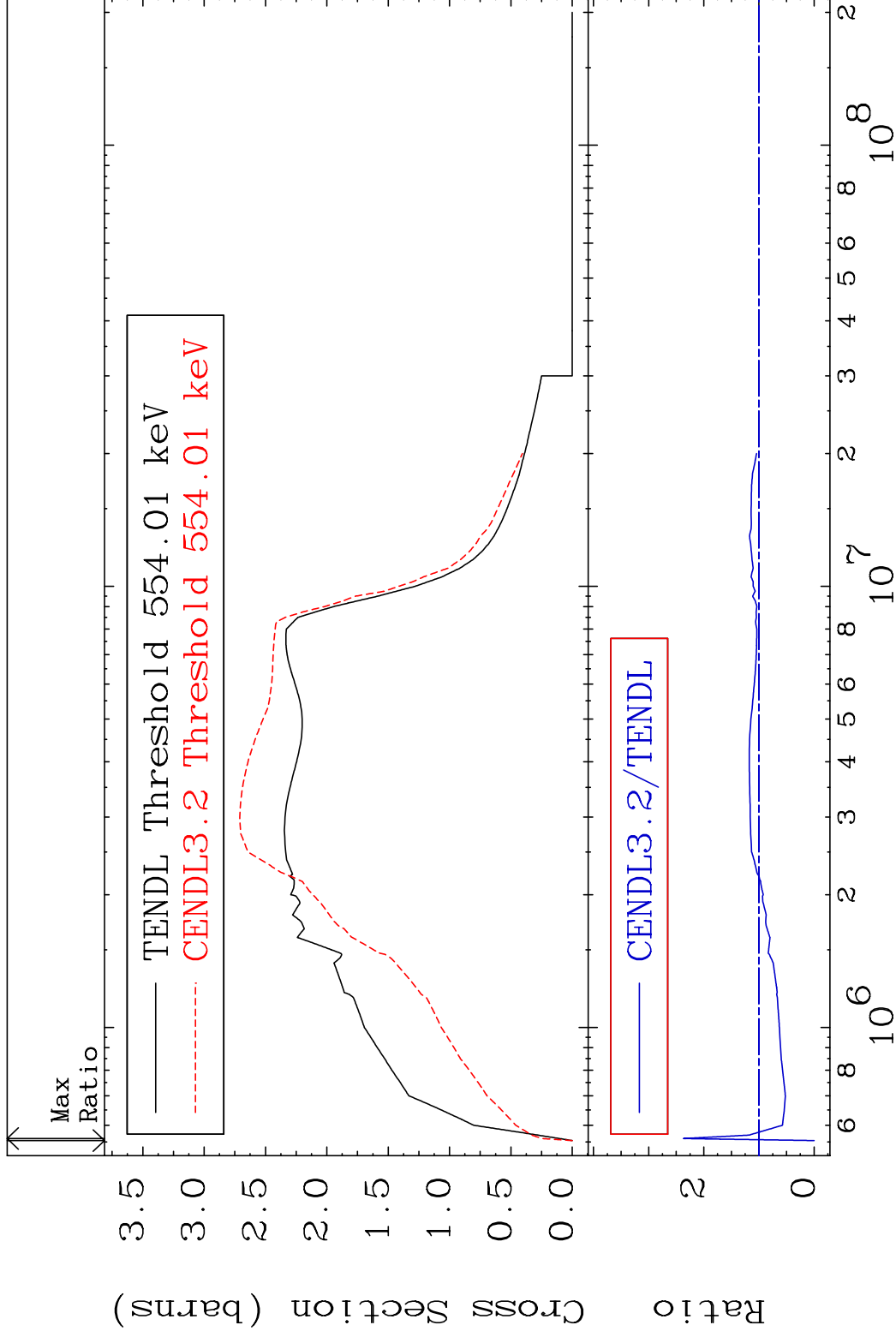
62-Sm-148

MAT 6237

Inelastic

62-Sm-148

Cross Section -100.0 To 136.5 %



3

Incident Energy (eV)

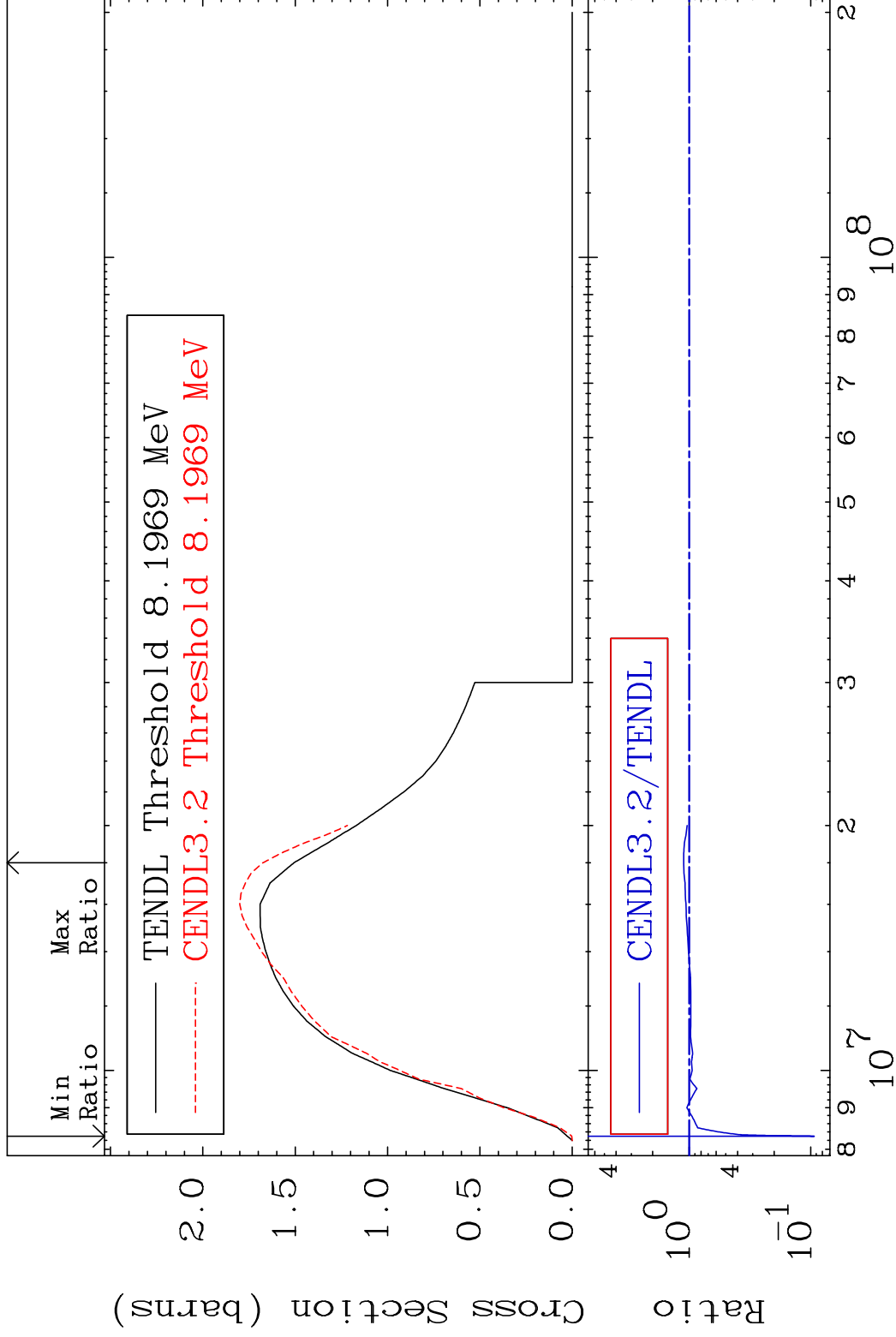
62-Sm-148

MAT 6237

(n,2n)

62-Sm-148

Cross Section -90.63 To 11.15 %



4

Incident Energy (eV)

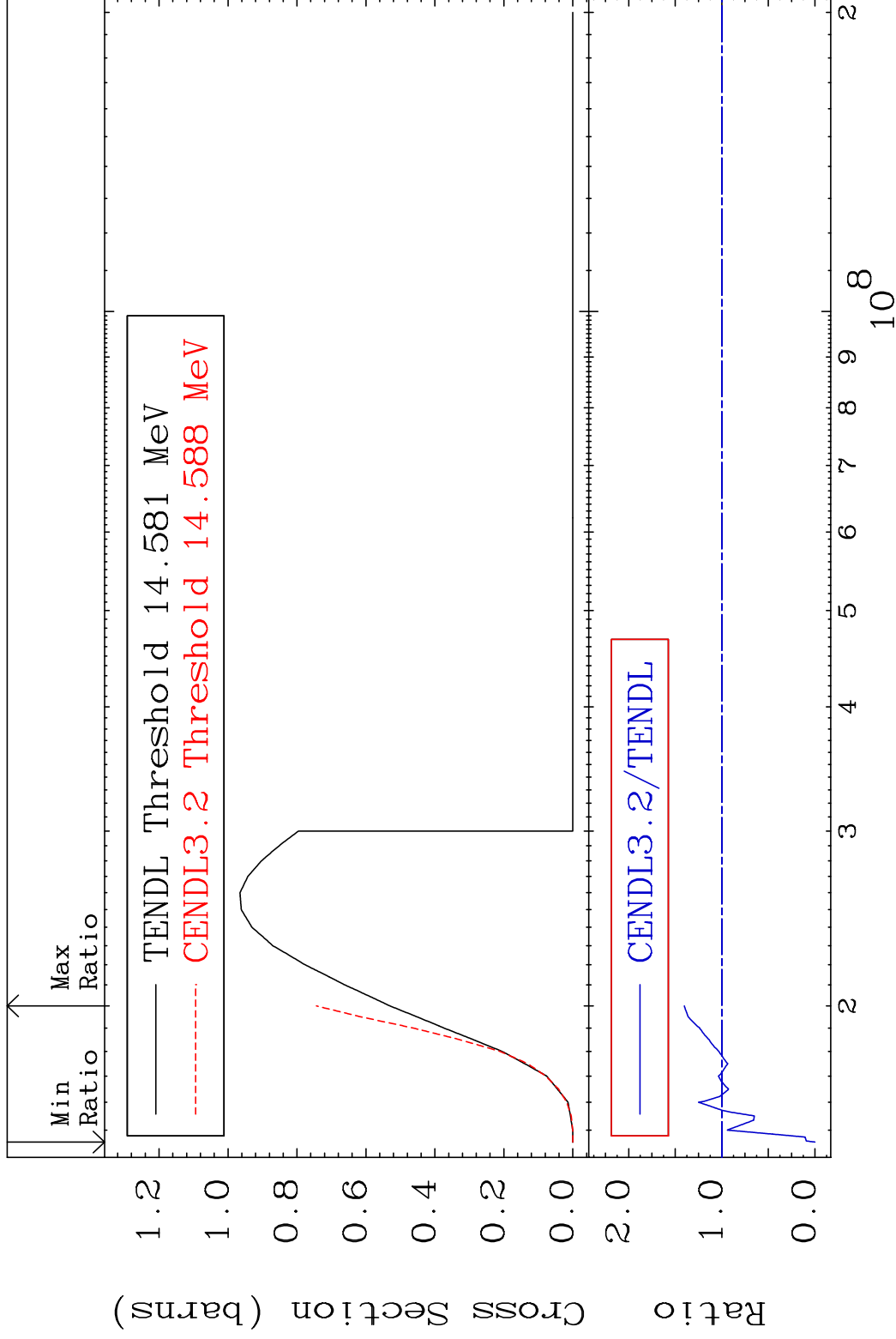
62-Sm-148

MAT 6237

(n,3n)

62-Sm-148

Cross Section -100.0 To 40.23 %



5

Incident Energy (eV)

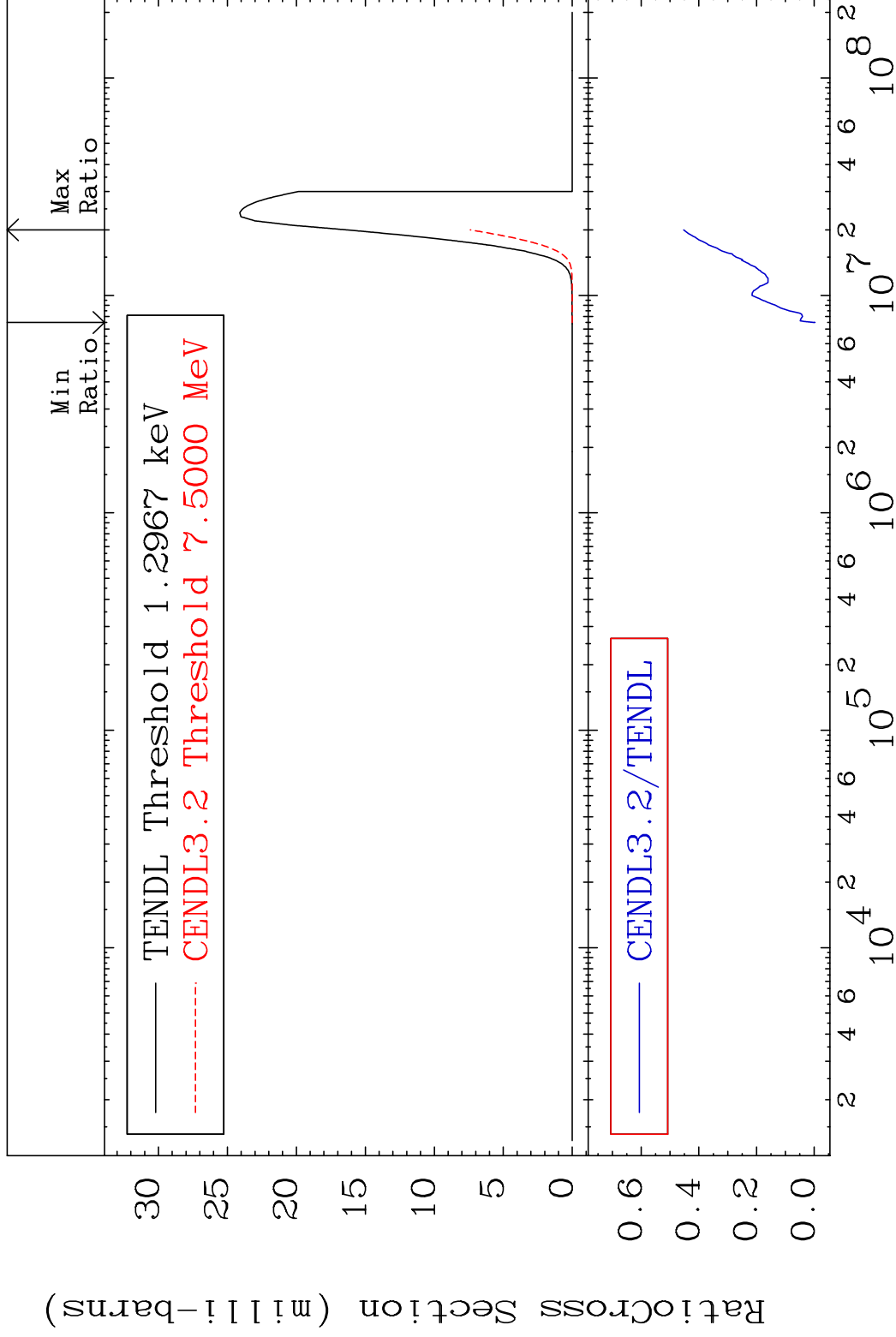
62-Sm-148

MAT 6237

(n, n') α

62-Sm-148

Cross Section -100.0 To -54.72%



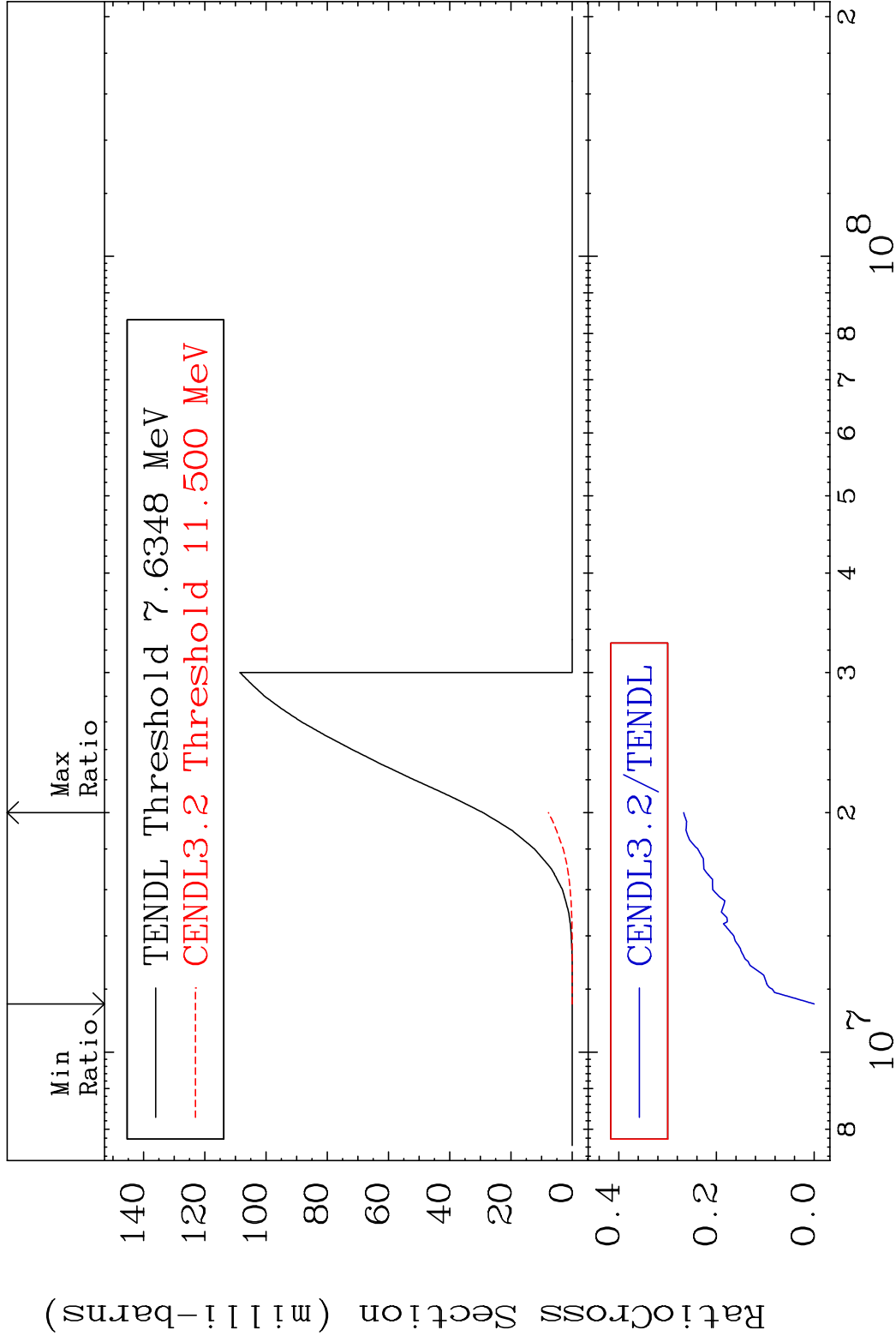
6

Incident Energy (eV)

62-Sm-148

MAT 6237

(n, n') p 62-Sm-148
Cross Section -100.0 To -73.29%

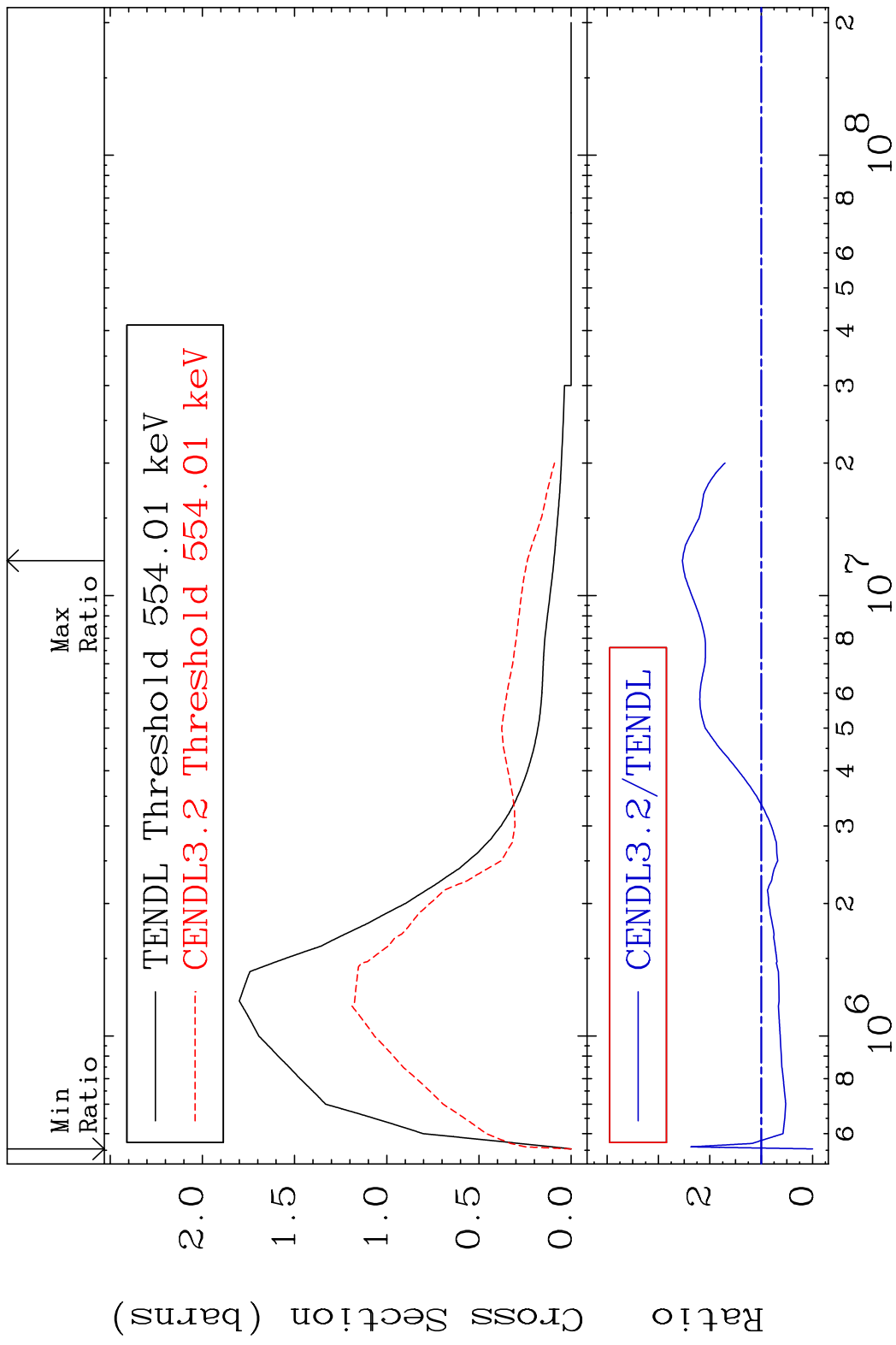


7

Incident Energy (eV)

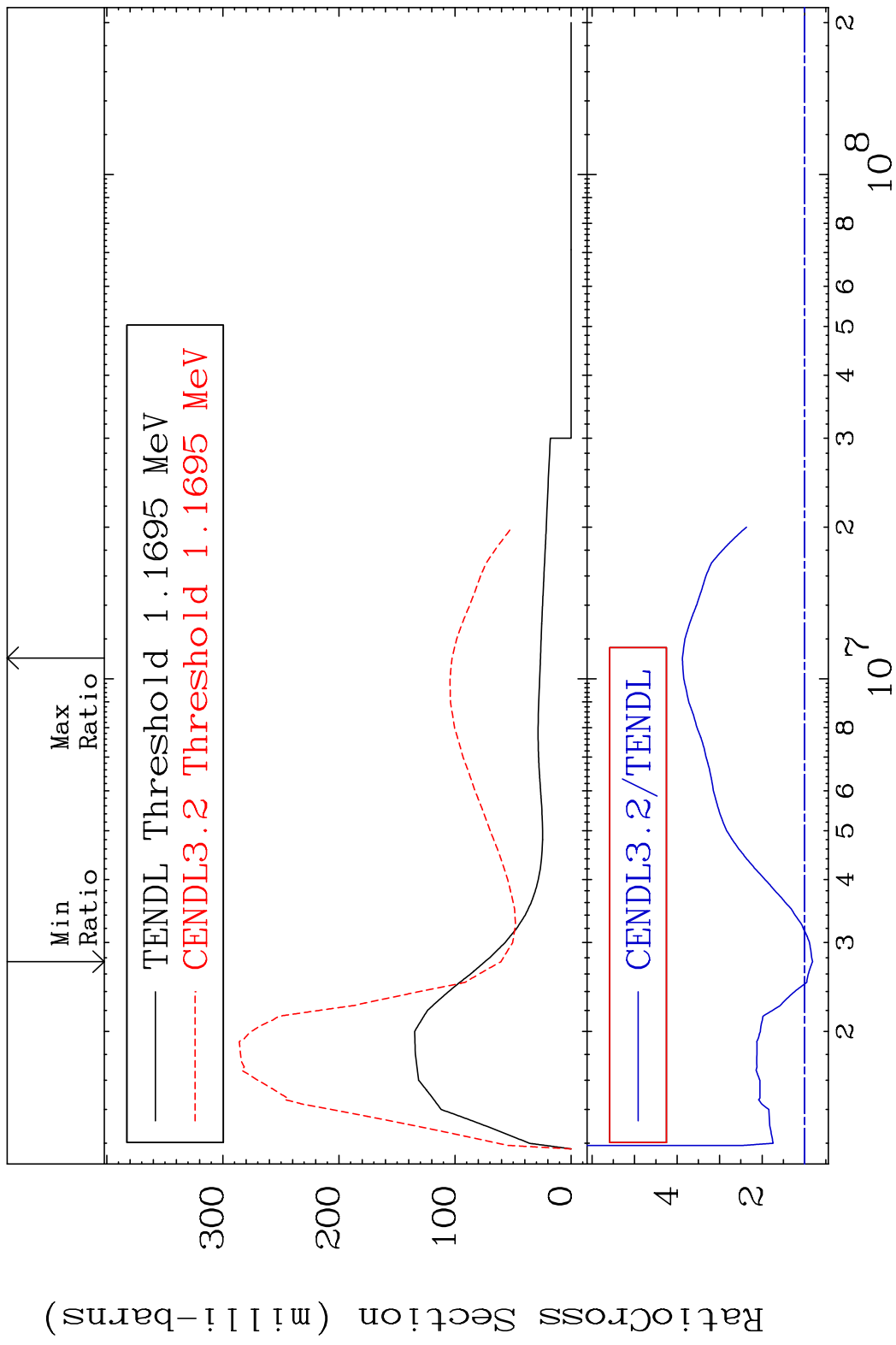
62-Sm-148

MAT 6237 MT= 51 (n, n') Level 62-Sm-148
 Cross Section -100.0 To 153.5 %

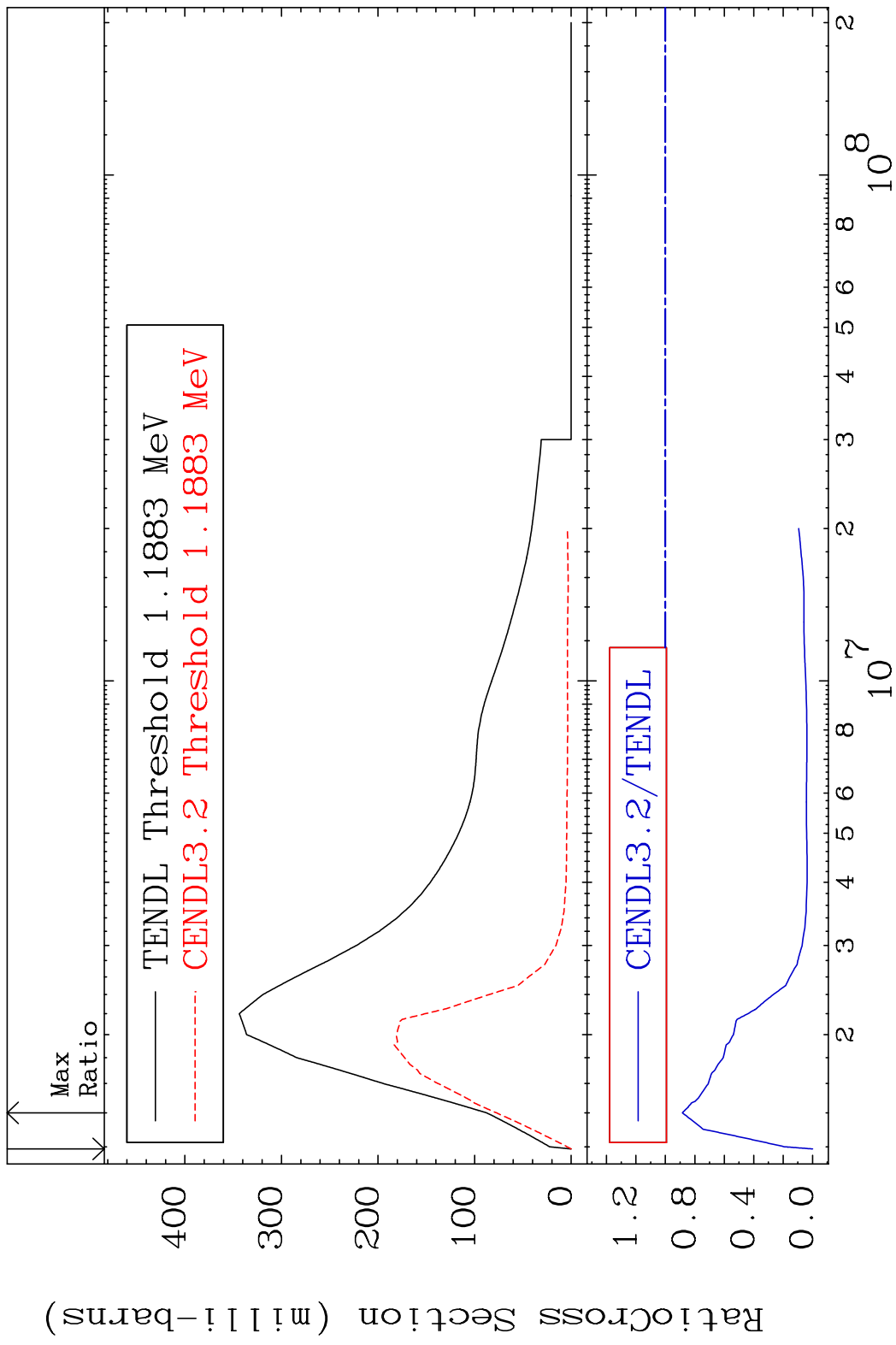


8 Incident Energy (eV) 62-Sm-148

MAT 6237 MT= 52 (n, n') Level 62-Sm-148
 Cross Section -18.63 To 287.6 %

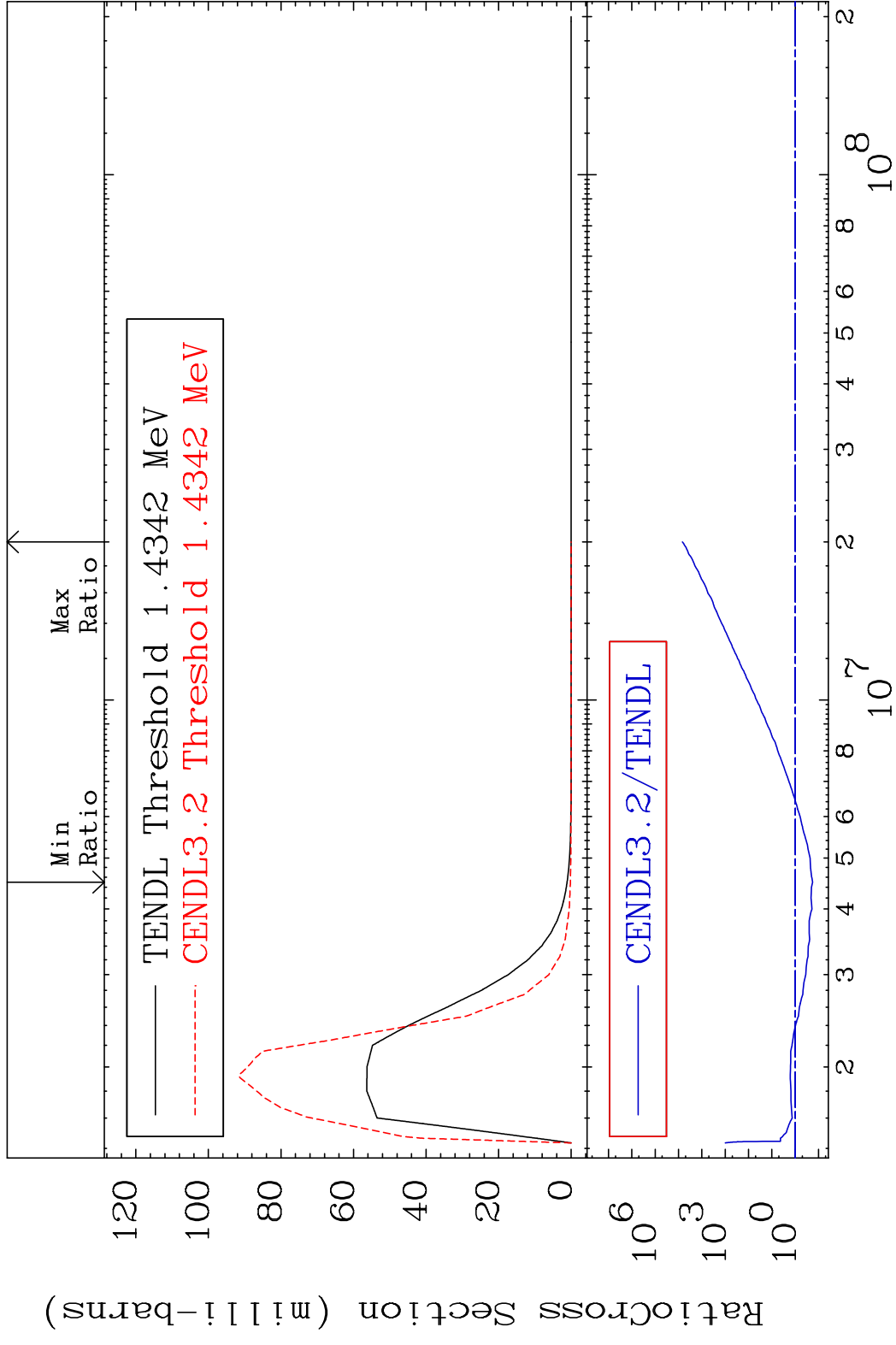


MAT 6237 MT= 53 (n, n') Level 62-Sm-148
 Cross Section -100.0 To -11.52%

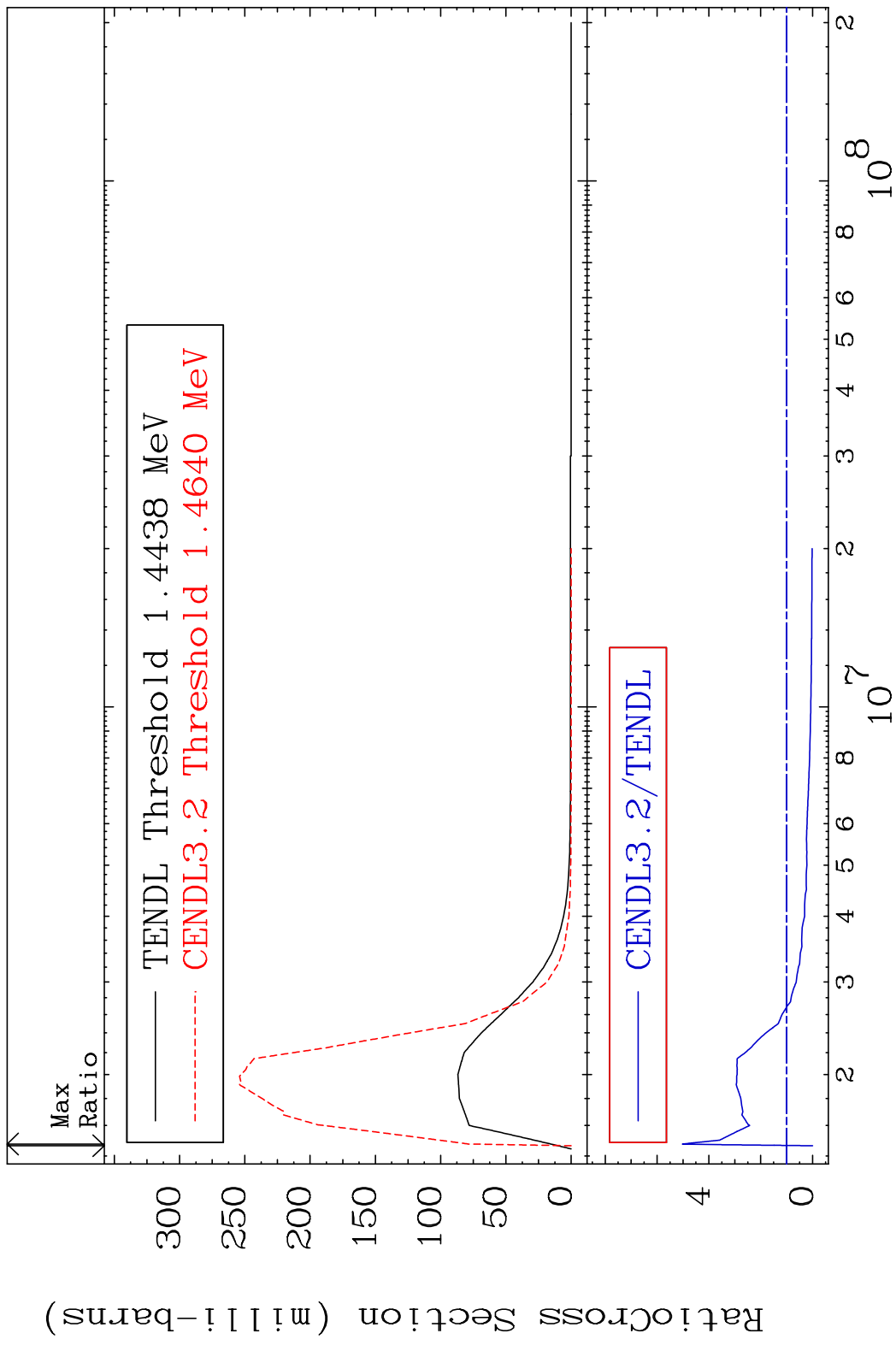


10 Incident Energy (eV) 62-Sm-148

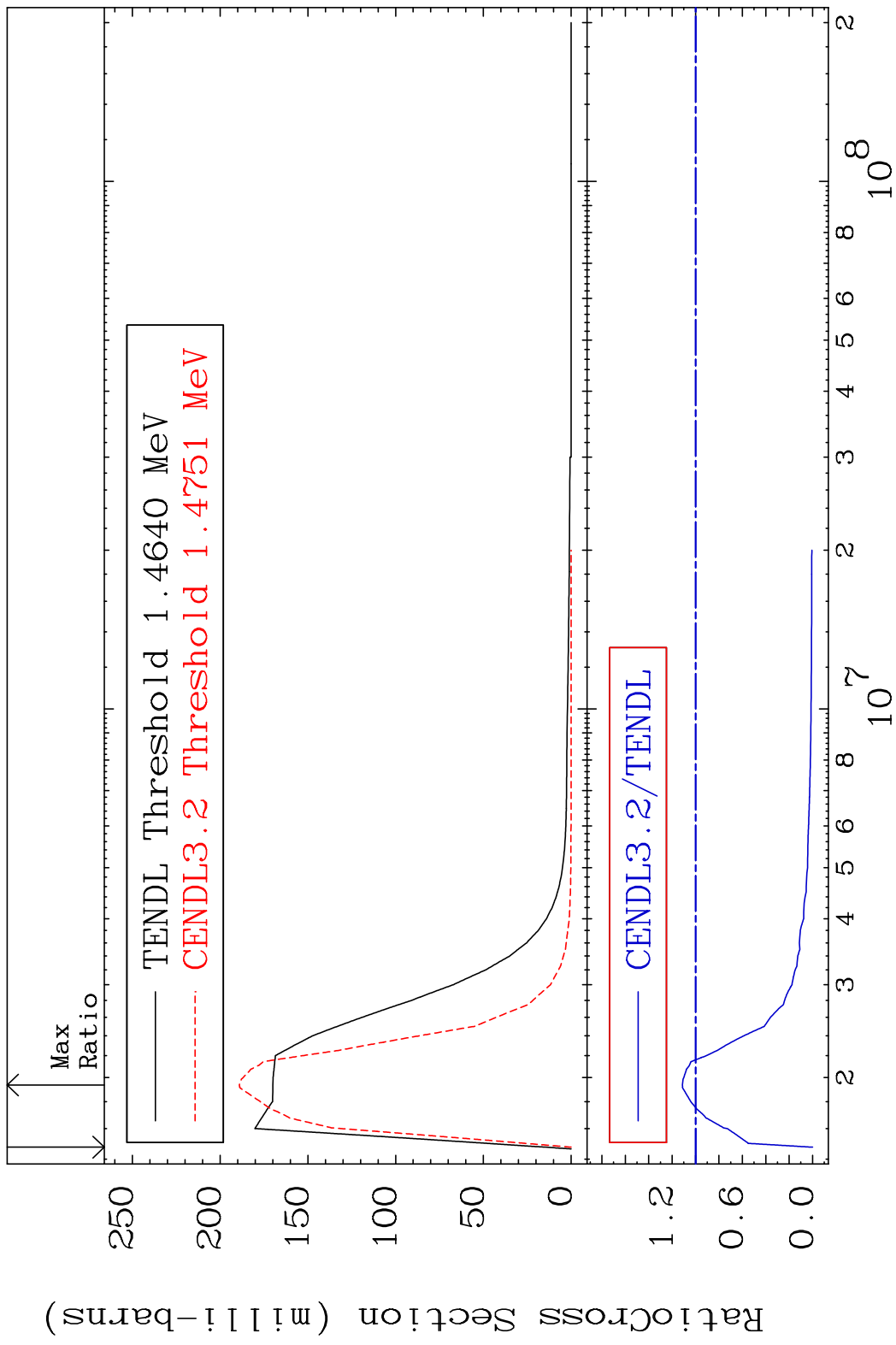
MAT 6237 MT= 54 (n, n') Level 62-Sm-148
 Cross Section -81.94 To 9999. %



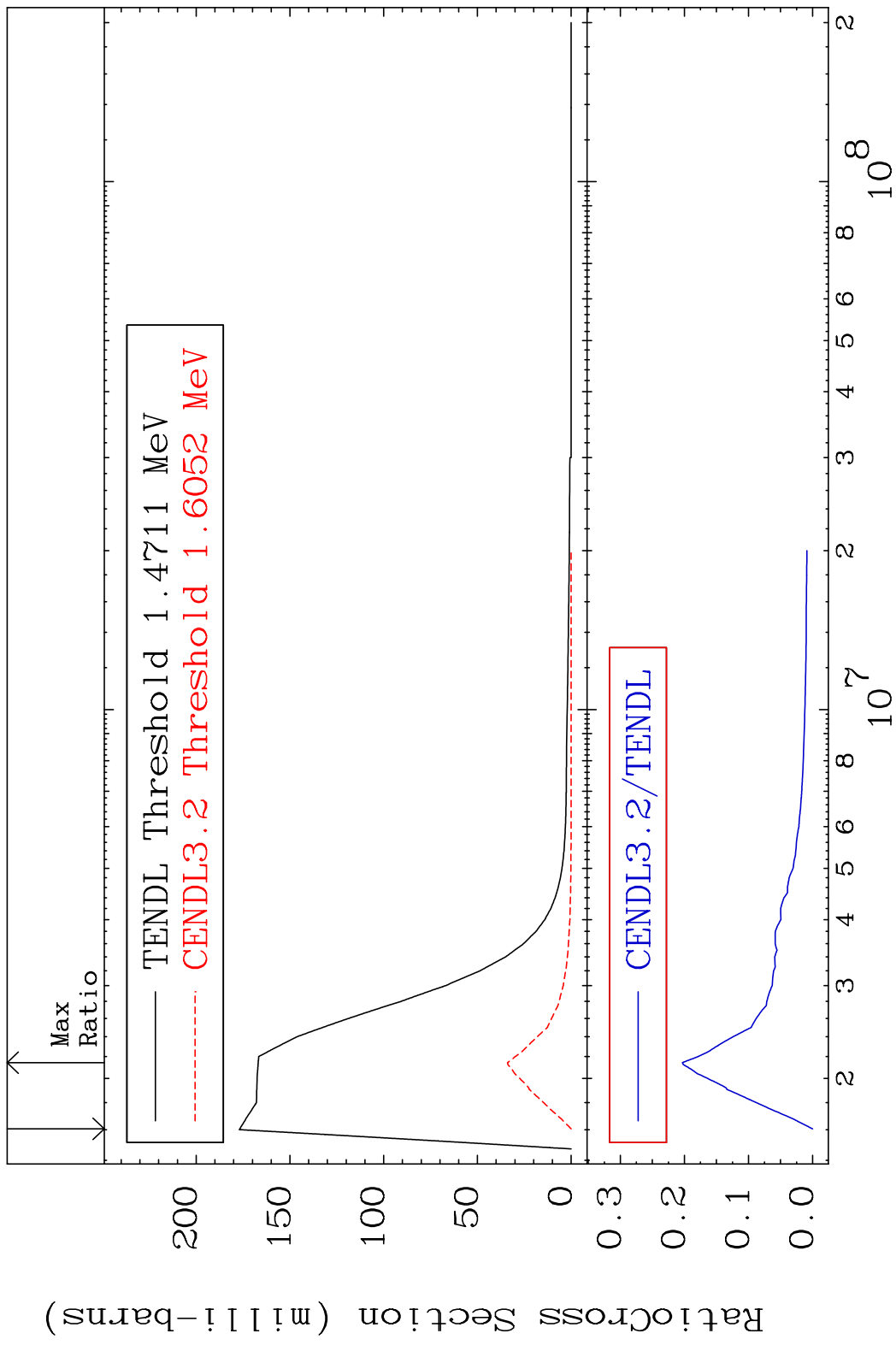
MAT 6237 MT= 55 (n, n') Level 62-Sm-148
 Cross Section -100.0 To 402.4 %



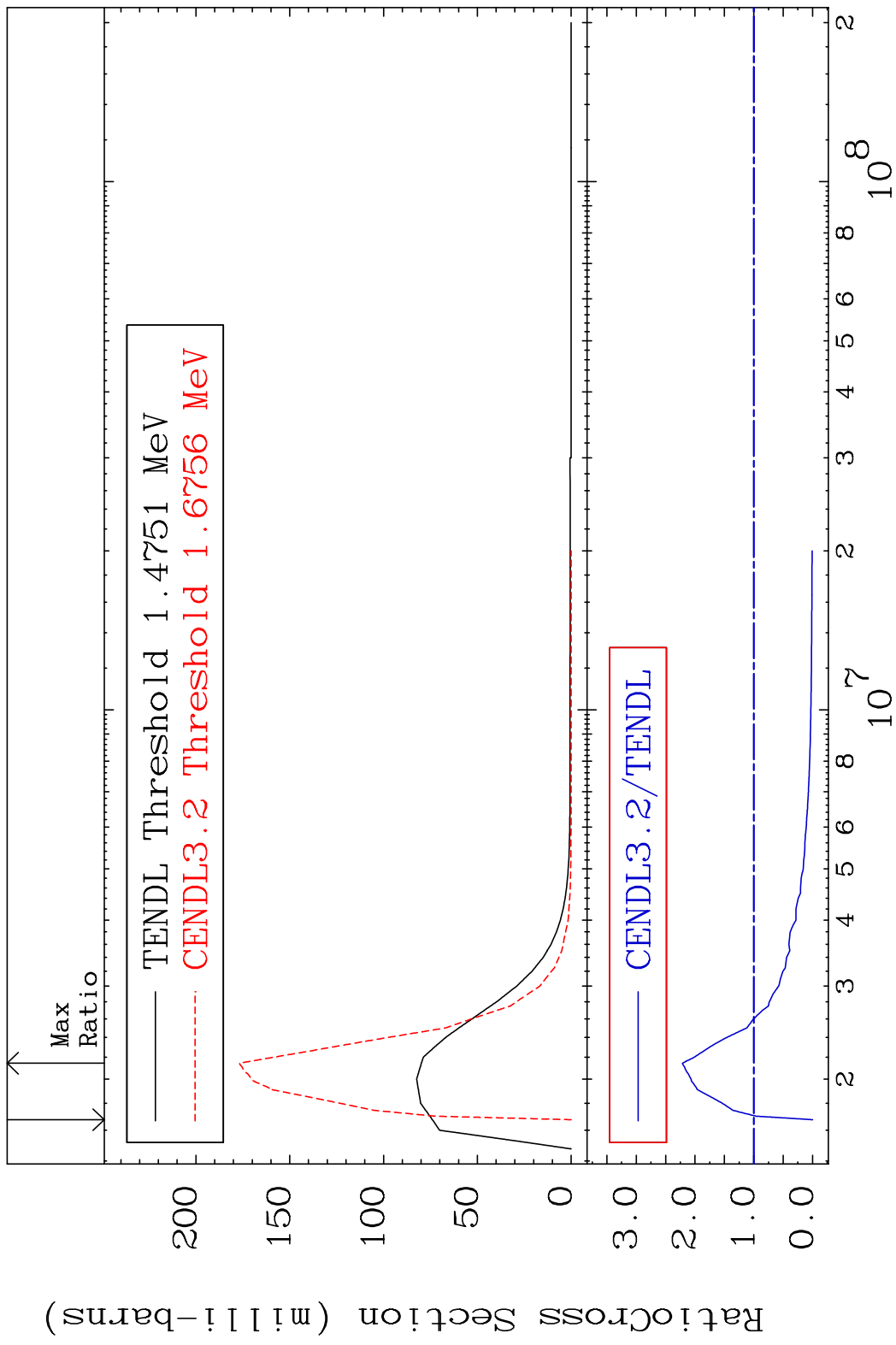
MAT 6237 MT= 56 (n, n') Level 62-Sm-148
 Cross Section -100.0 To 11.26 %



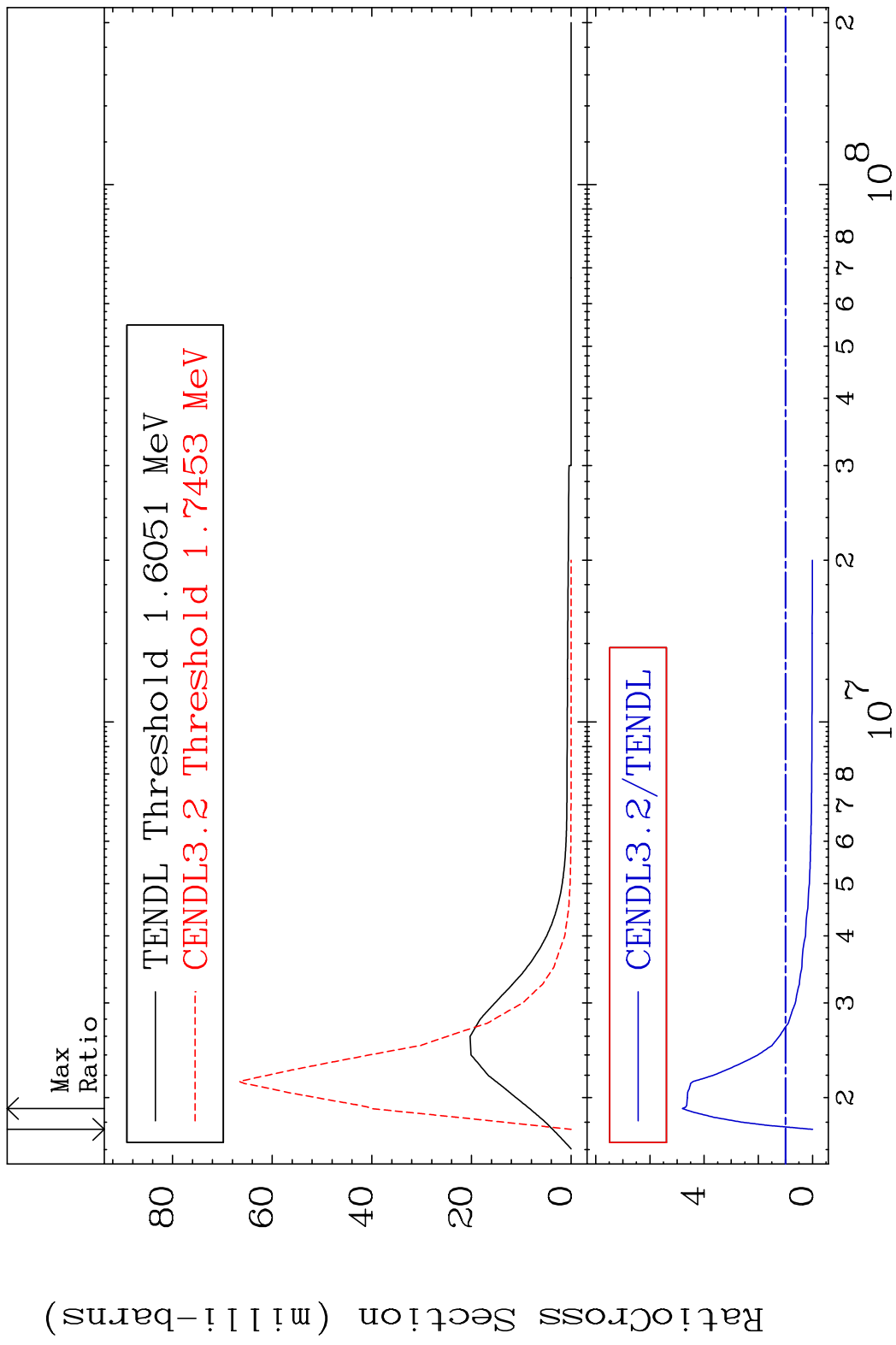
MAT 6237 MT= 57 (n, n') Level 62-Sm-148
 Cross Section -100.0 To -79.68%



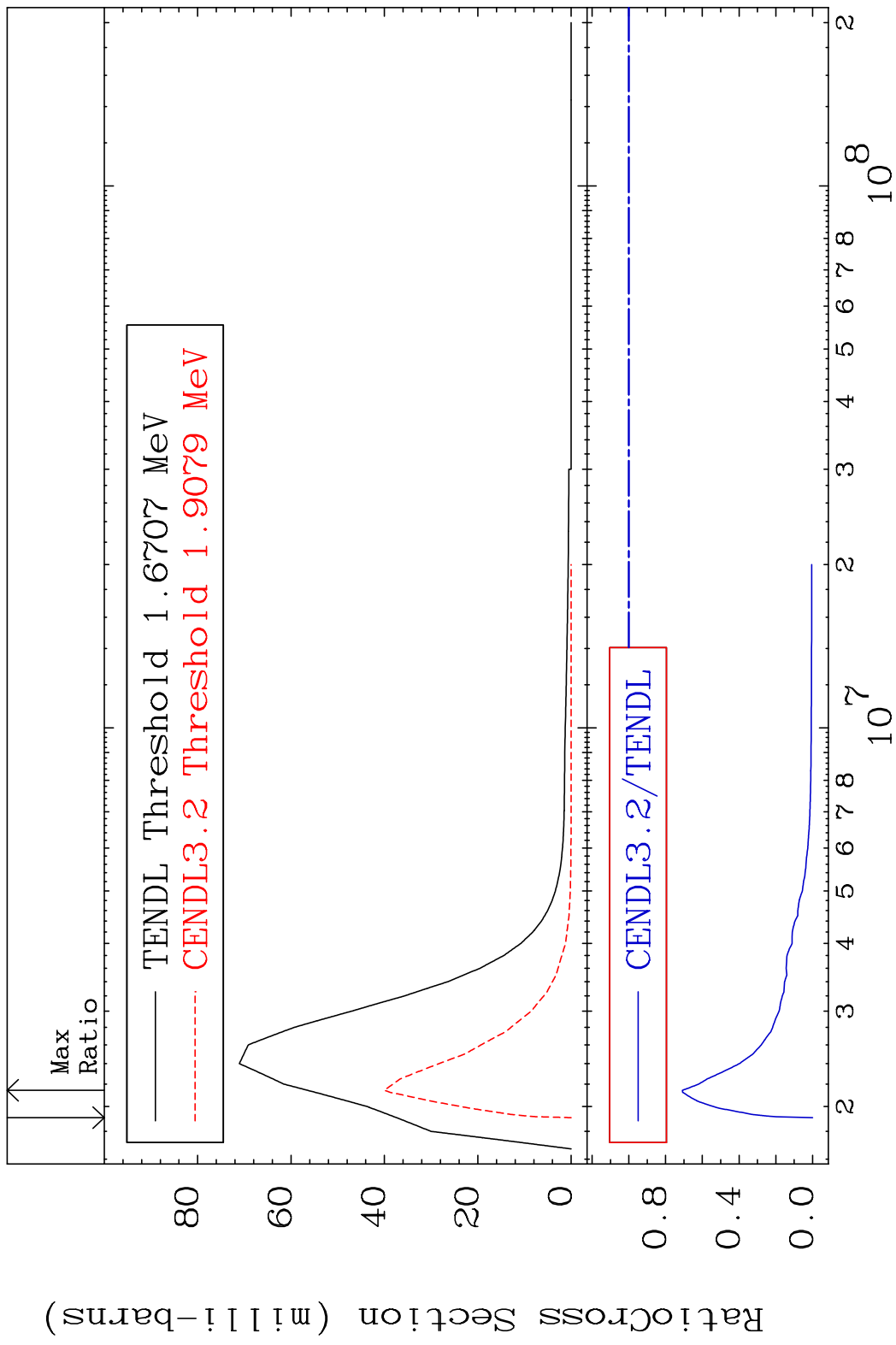
MAT 6237 MT= 58 (n, n') Level 62-Sm-148
 Cross Section -100.0 To 121.6 %



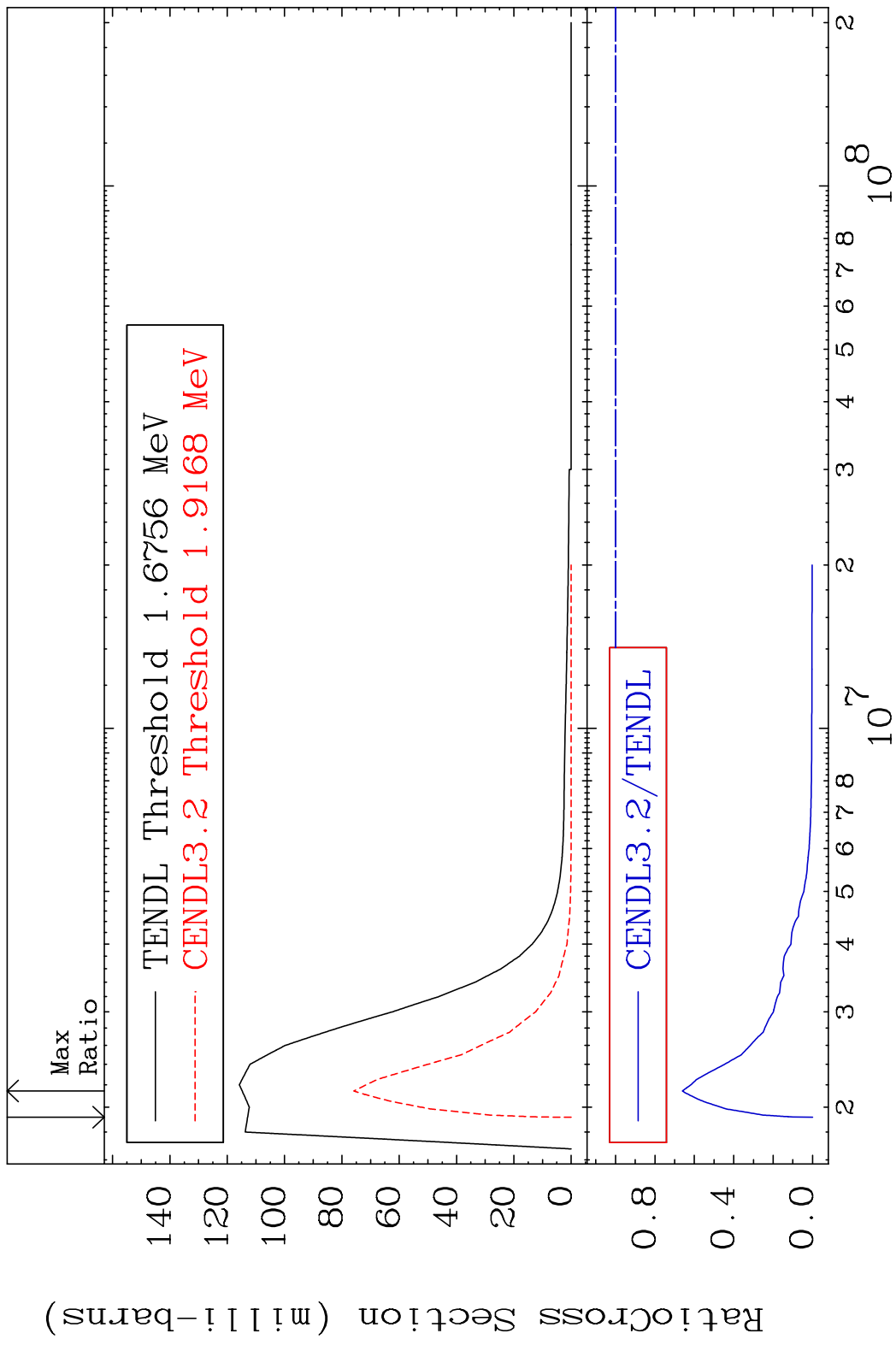
MAT 6237 MT= 59 (n, n') Level 62-Sm-148
 Cross Section -100.0 To 380.4 %



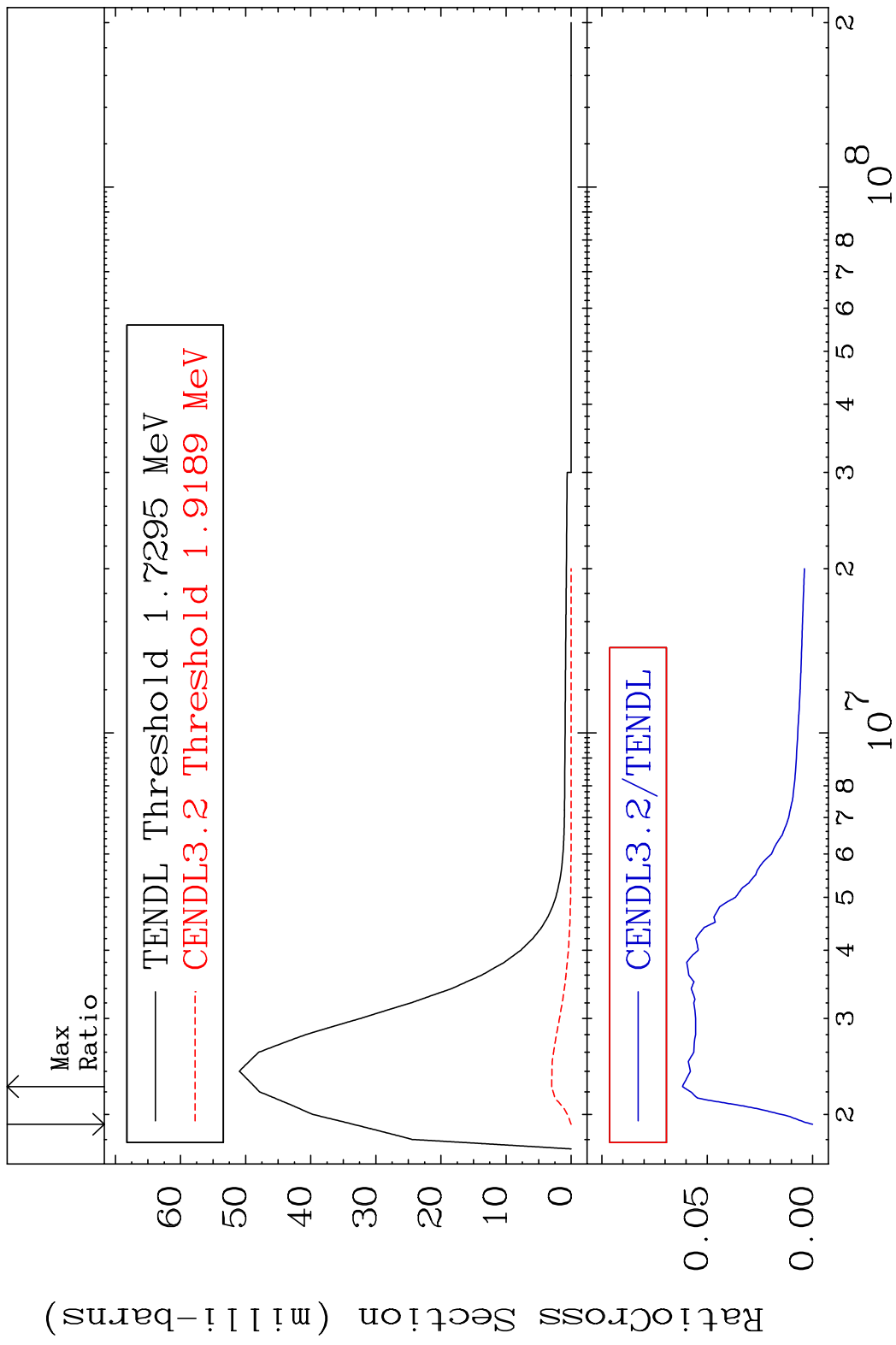
MAT 6237 MT= 60 (n, n') Level 62-Sm-148
 Cross Section -100.0 To -29.13%



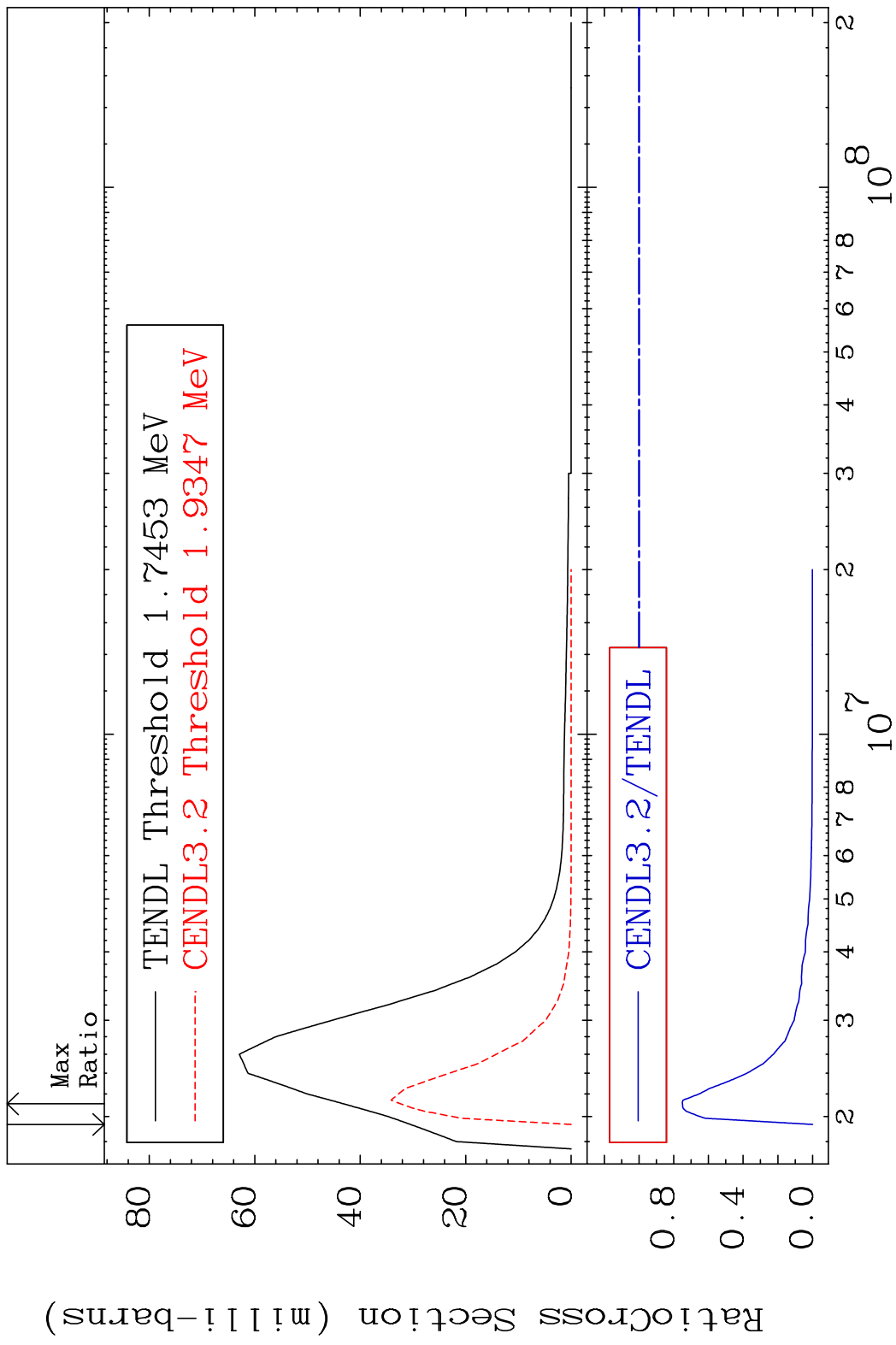
MAT 6237 MT= 61 (n,n') Level 62-Sm-148
 Cross Section -100.0 To -33.93%



MAT 6237 MT= 62 (n, n') Level 62-Sm-148
 Cross Section -100.0 To -93.82%

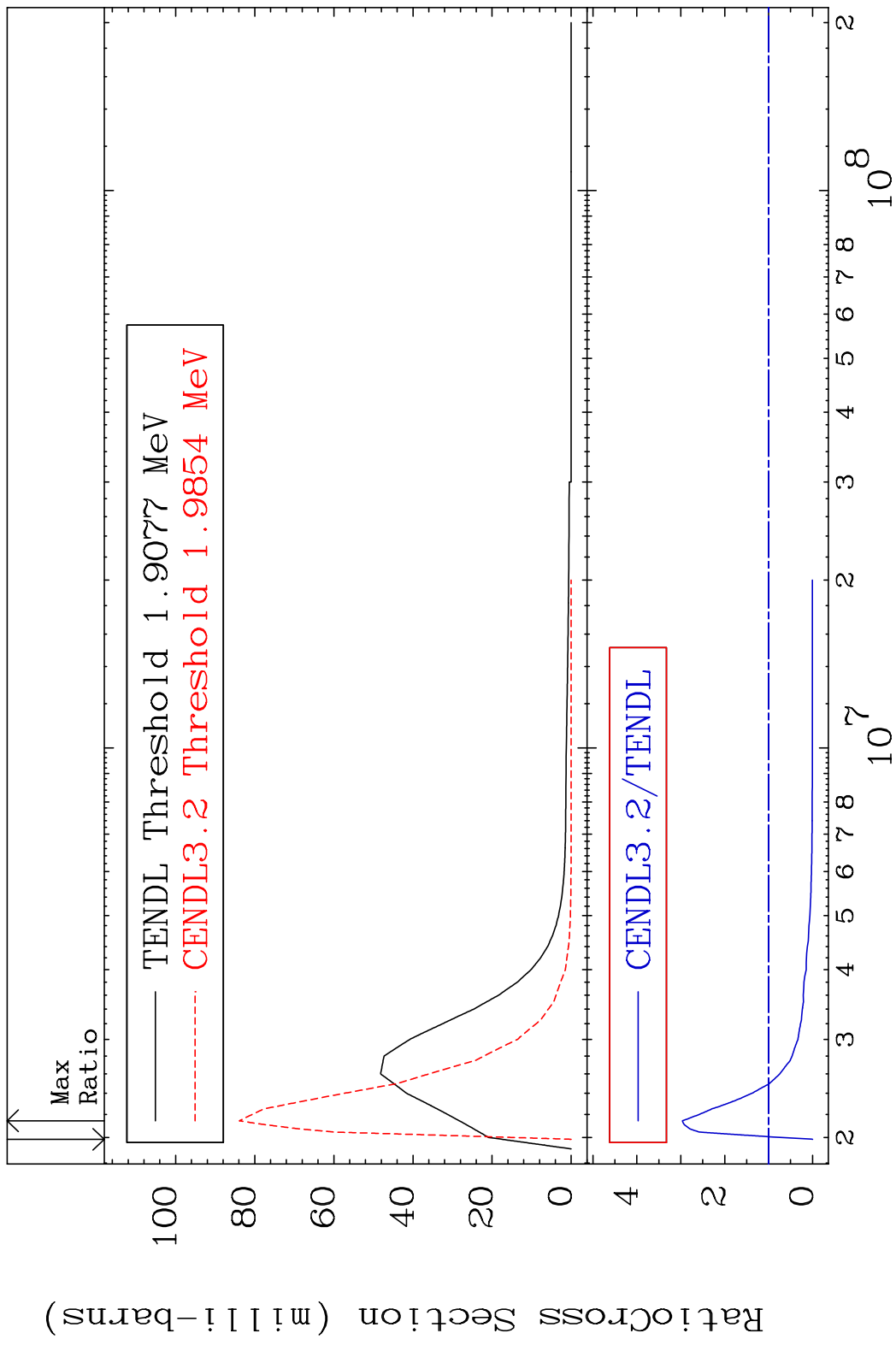


MAT 6237 MT= 63 (n, n') Level 62-Sm-148
 Cross Section -100.0 To -24.97%

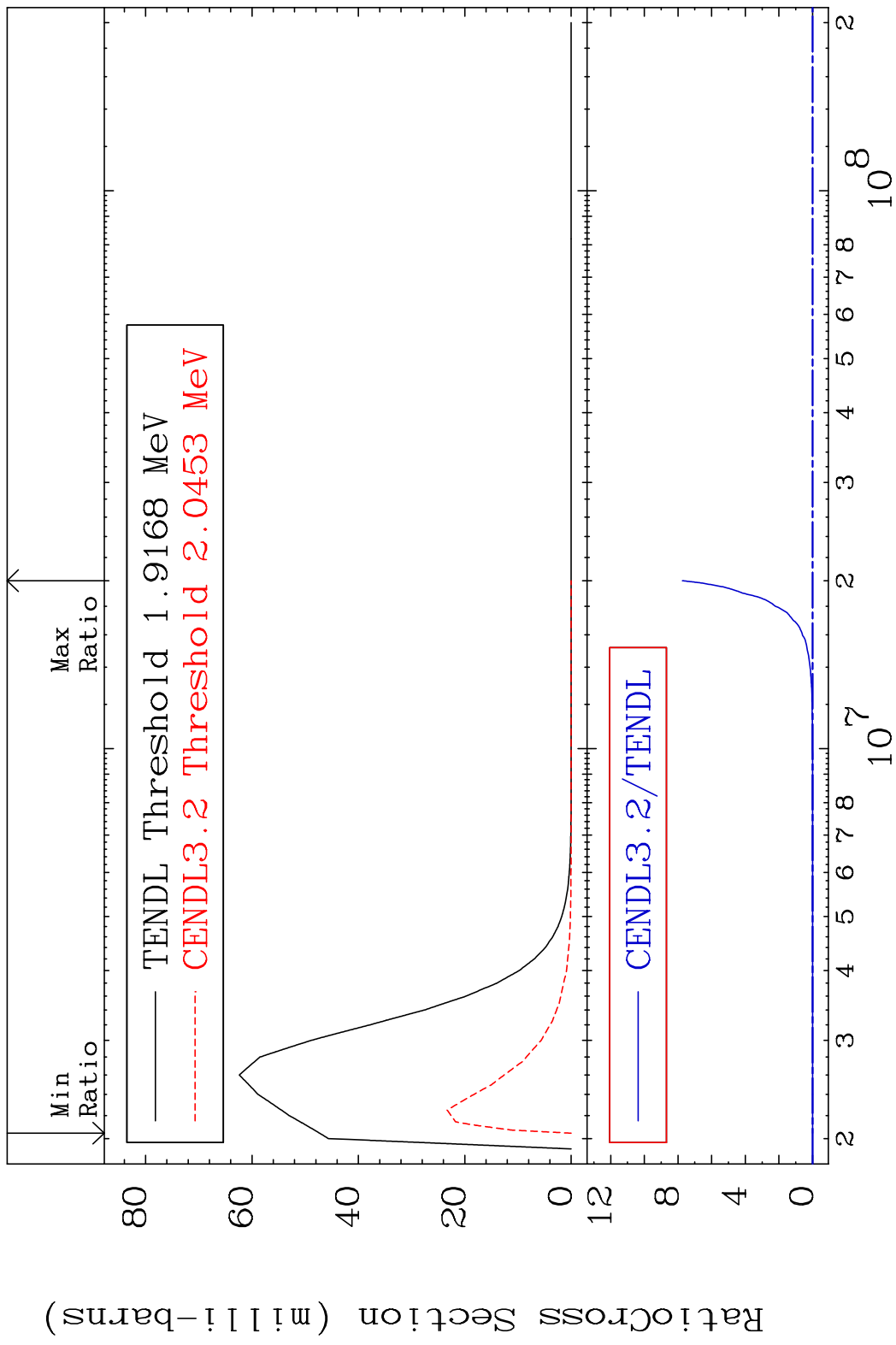


20 Incident Energy (eV) 62-Sm-148

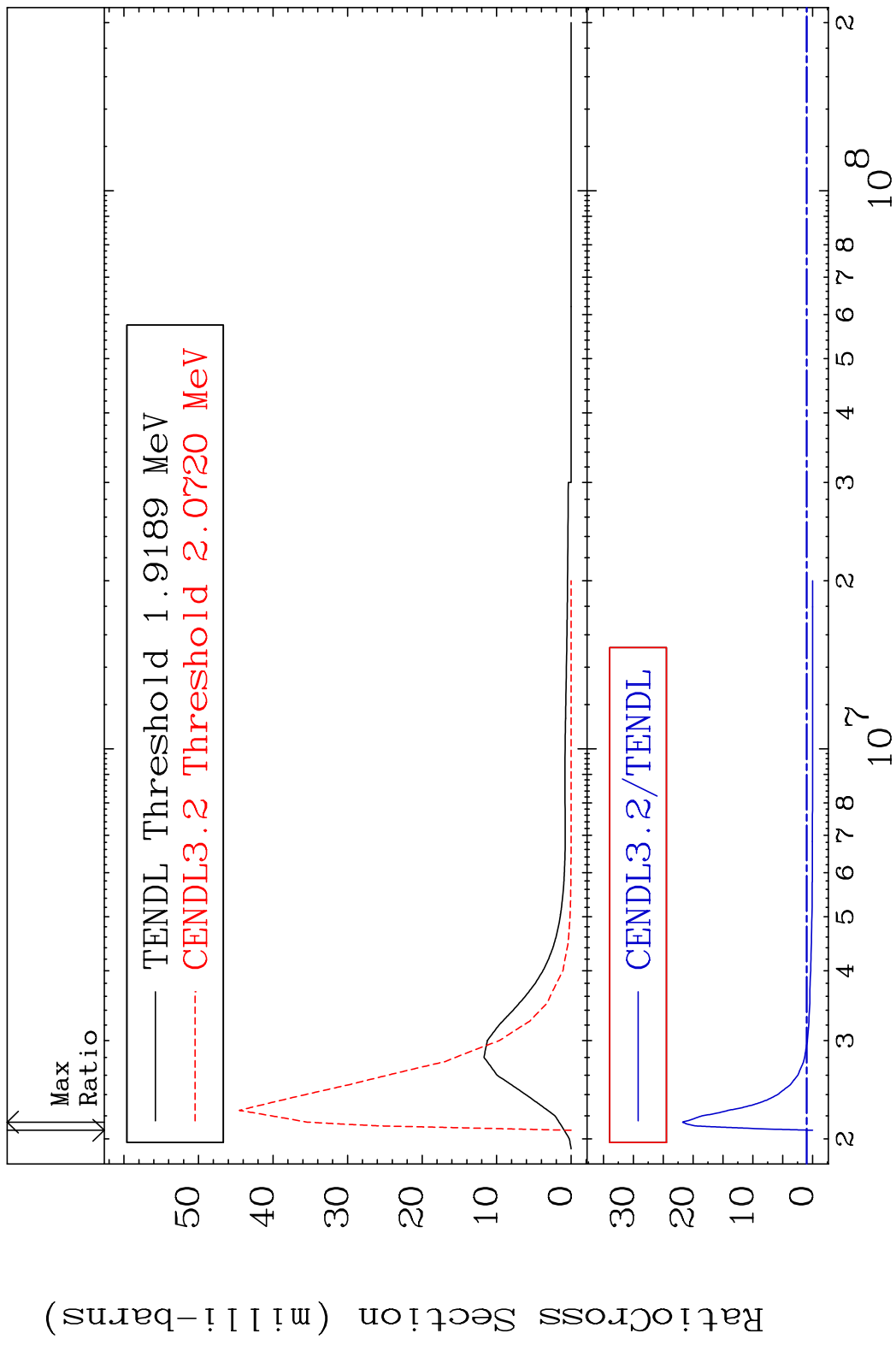
MAT 6237 MT= 64 (n, n') Level 62-Sm-148
 Cross Section -100.0 To 196.4 %



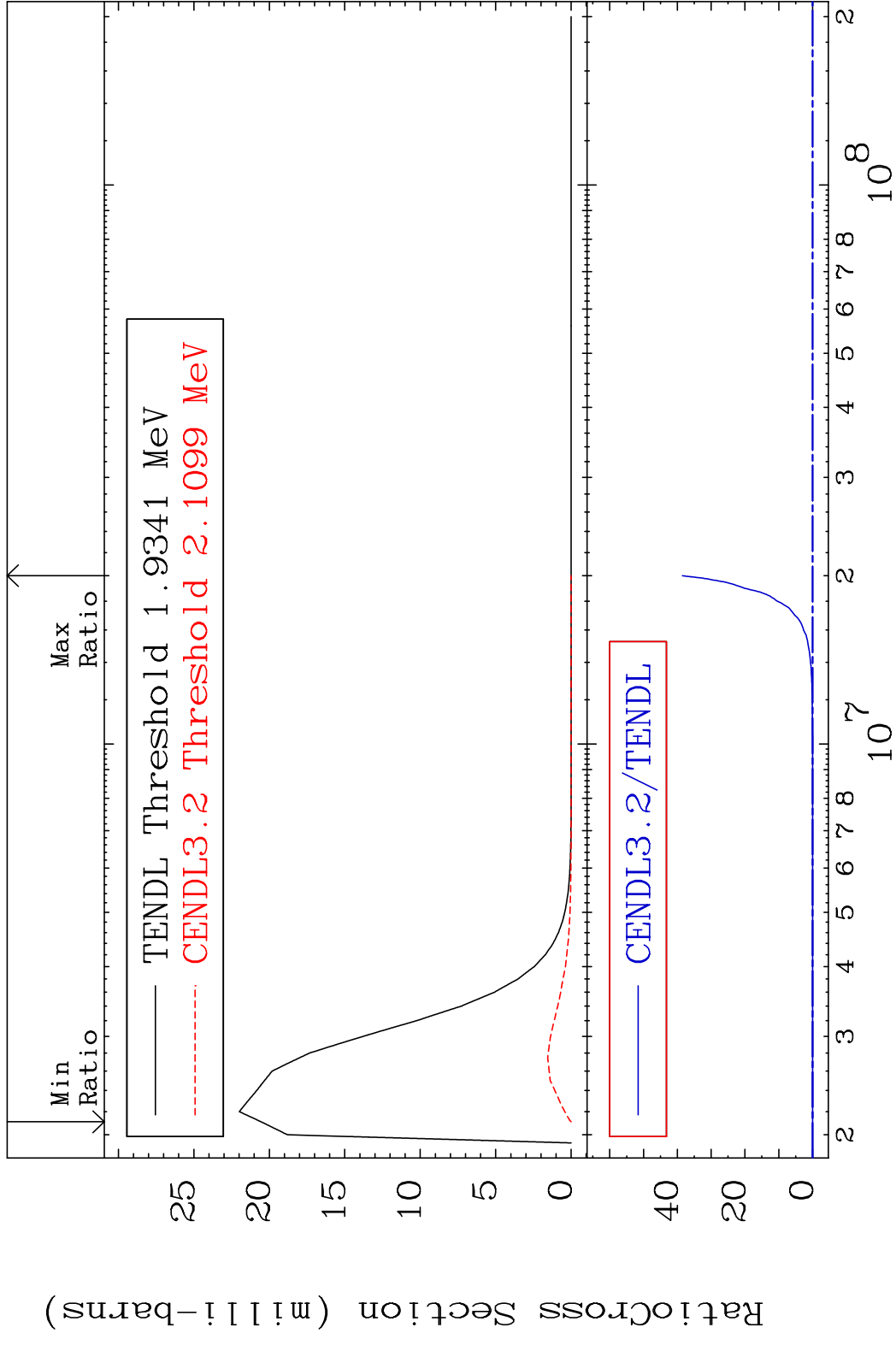
MAT 6237 MT= 65 (n, n') Level 62-Sm-148
 Cross Section -100.0 To 9999. %



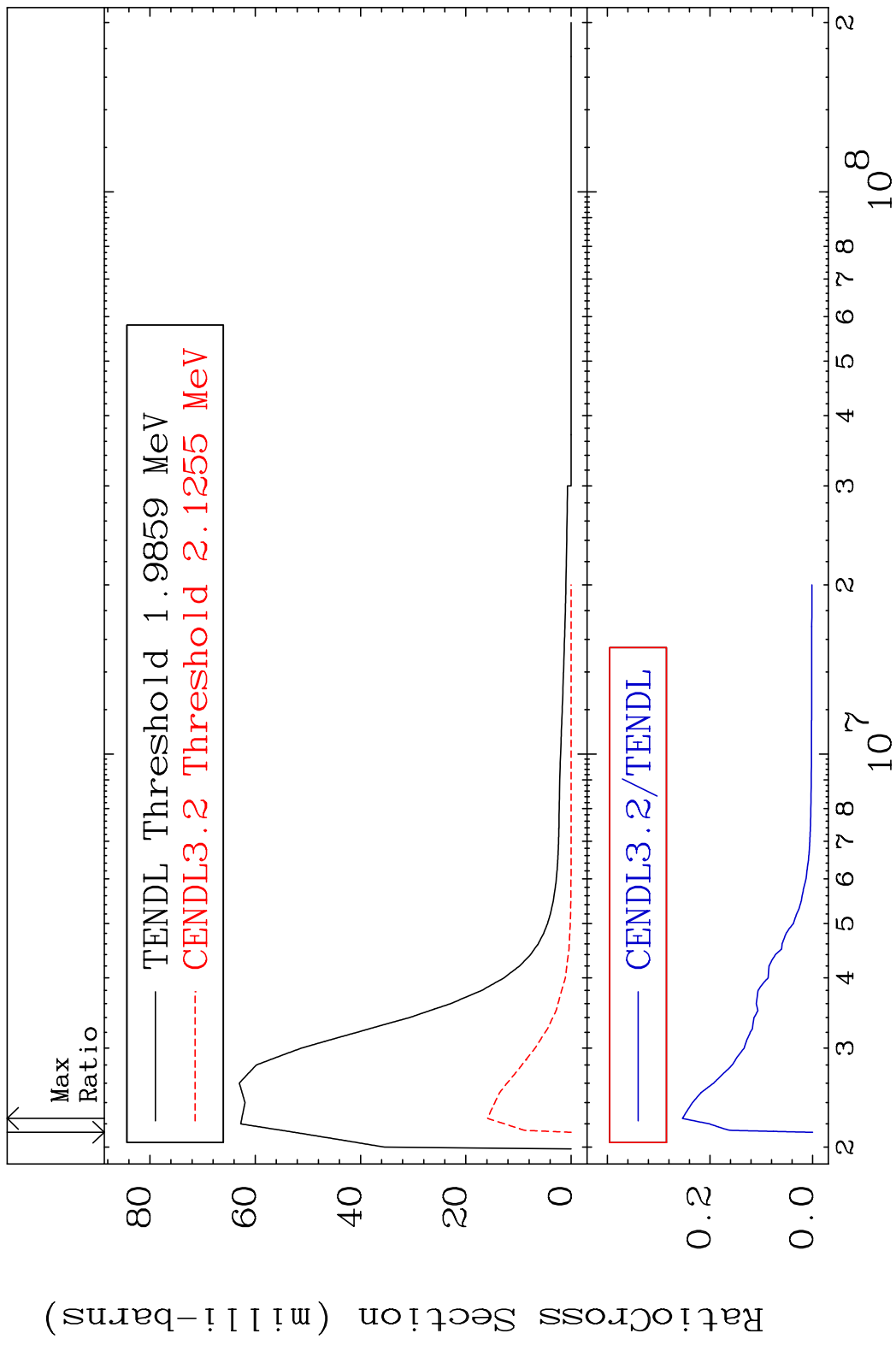
MAT 6237 MT= 66 (n,n') Level 62-Sm-148
 Cross Section -100.0 To 2079. %



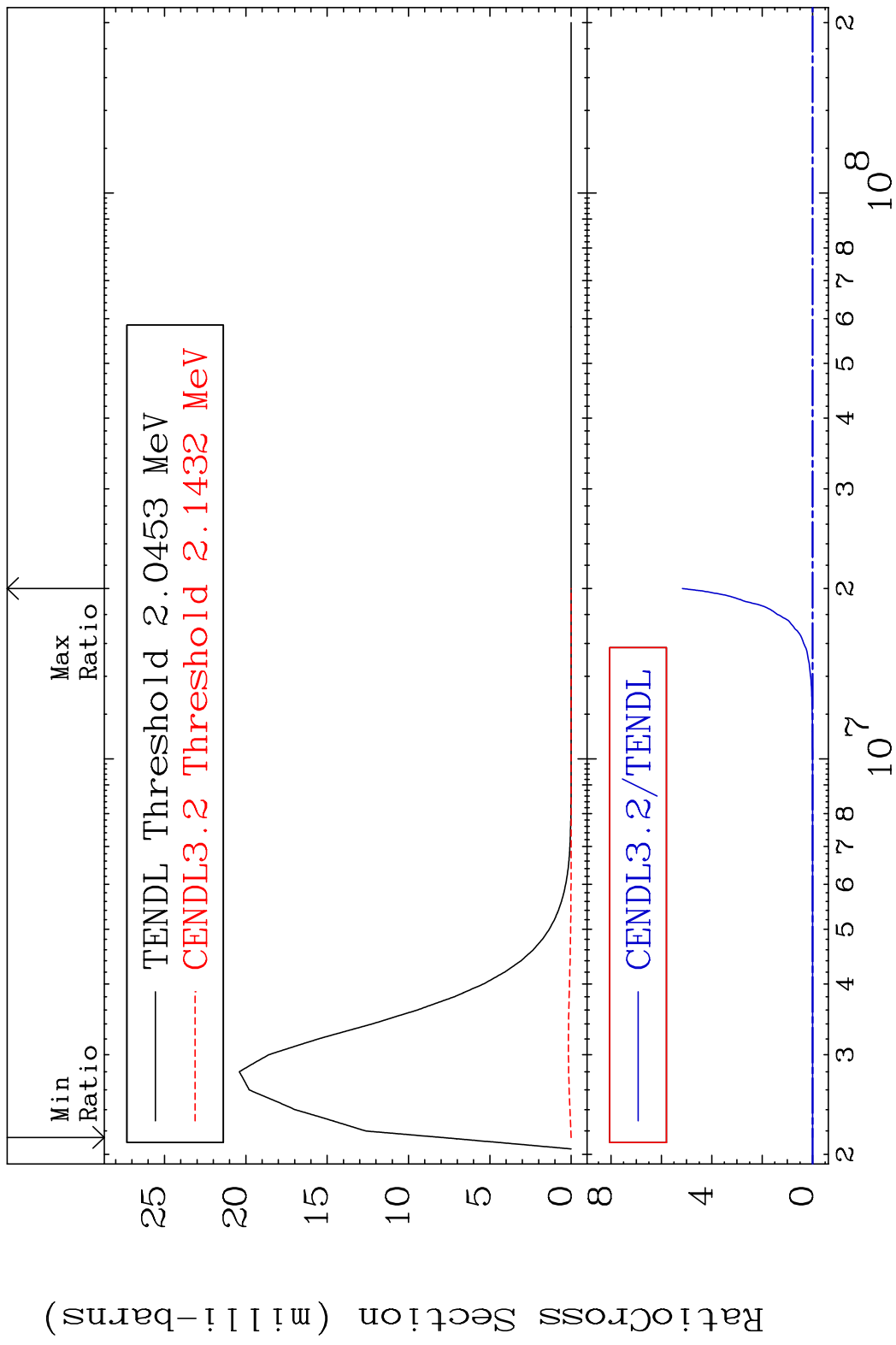
MAT 6237 MT= 67 (n, n') Level 62-Sm-148
 Cross Section -100.0 To 9999. %



MAT 6237 MT= 68 (n, n') Level 62-Sm-148
 Cross Section -100.0 To -74.61%



MAT 6237 MT= 69 (n, n') Level 62-Sm-148
 Cross Section -100.0 To 9999. %

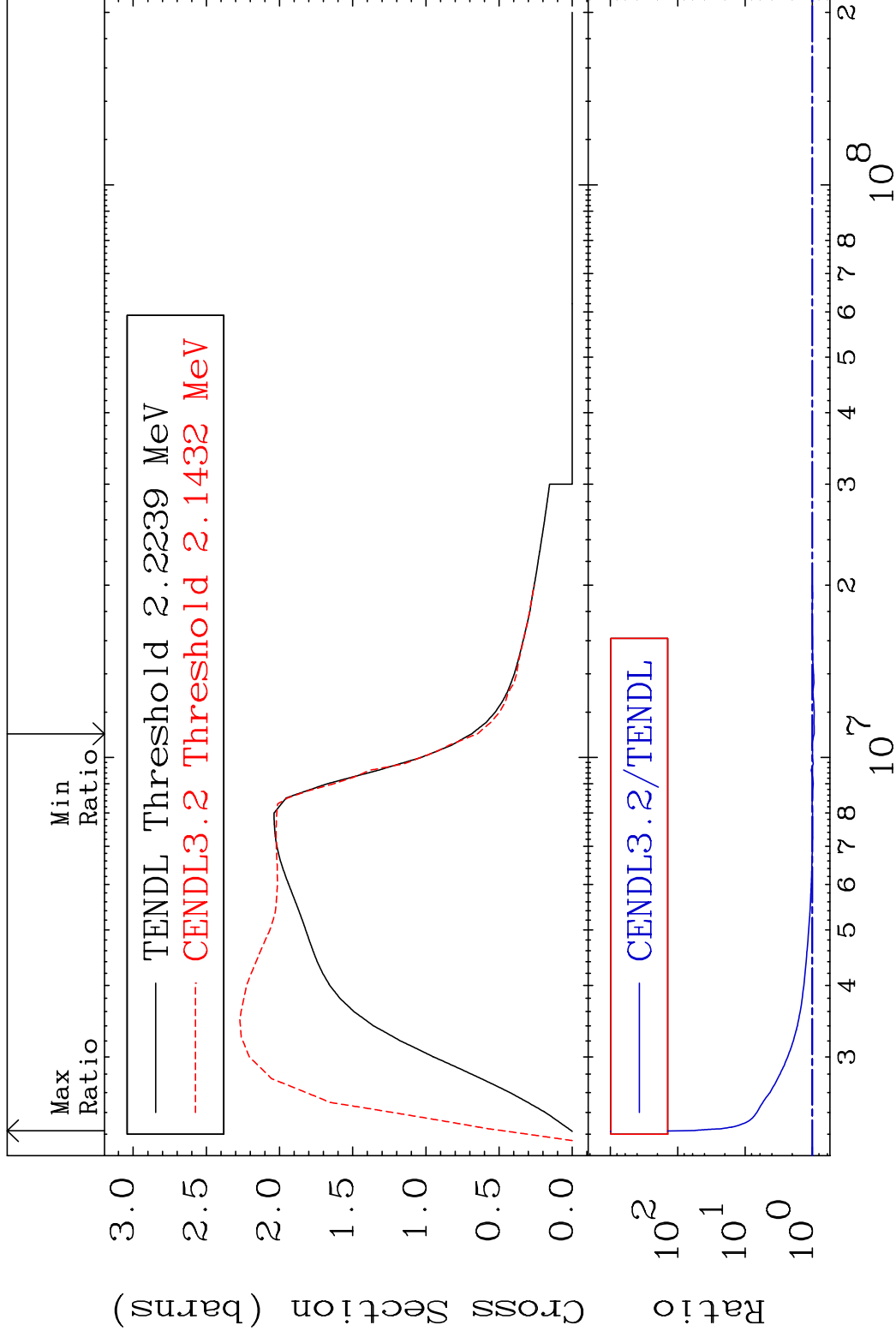


MAT 6237

(n,n') Continuum

62-Sm-148

Cross Section -5.664 To 8060. %

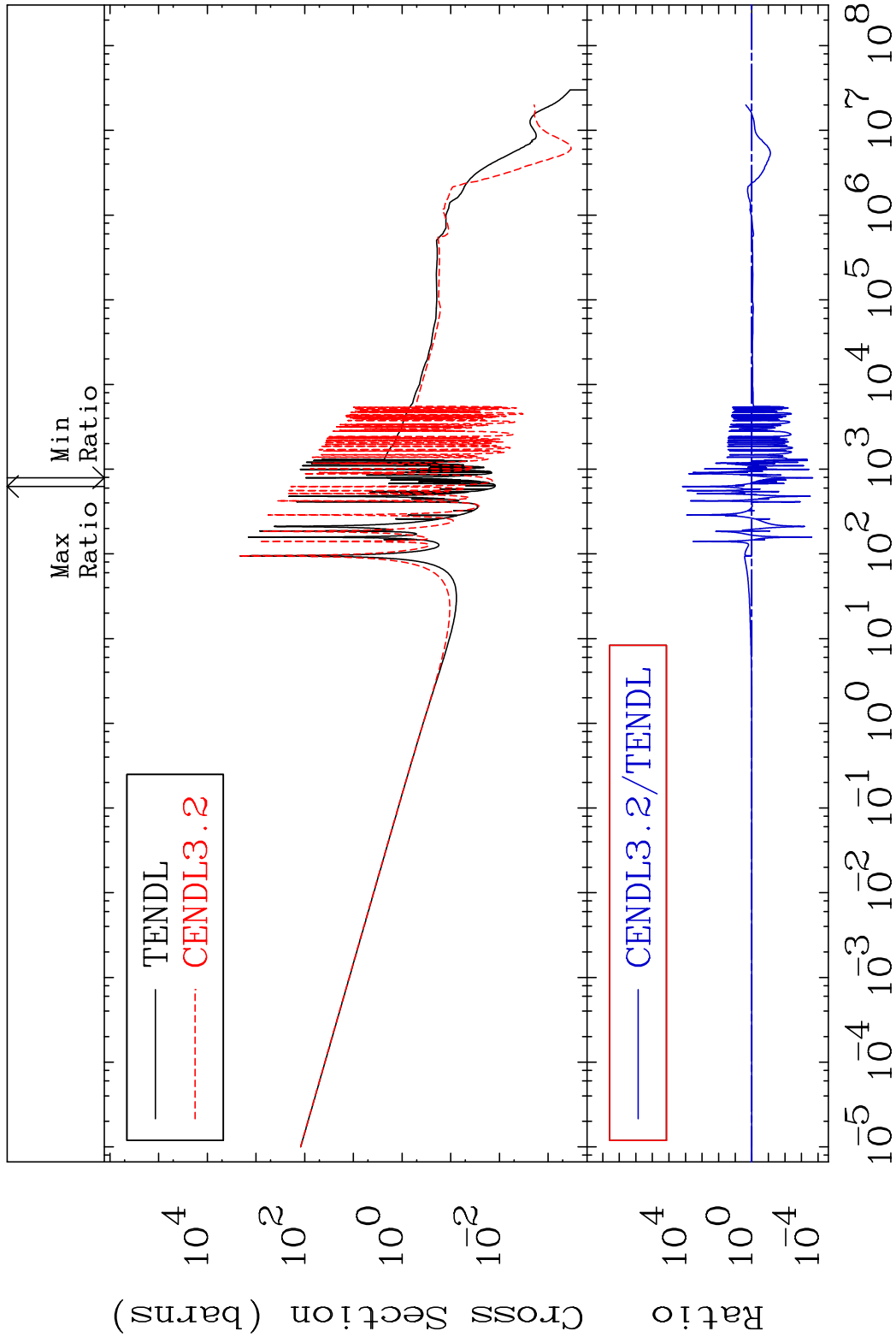


MAT 6237

(n, γ)

62-Sm-148

Cross Section -99.98 To 9999. %



28

Incident Energy (eV)

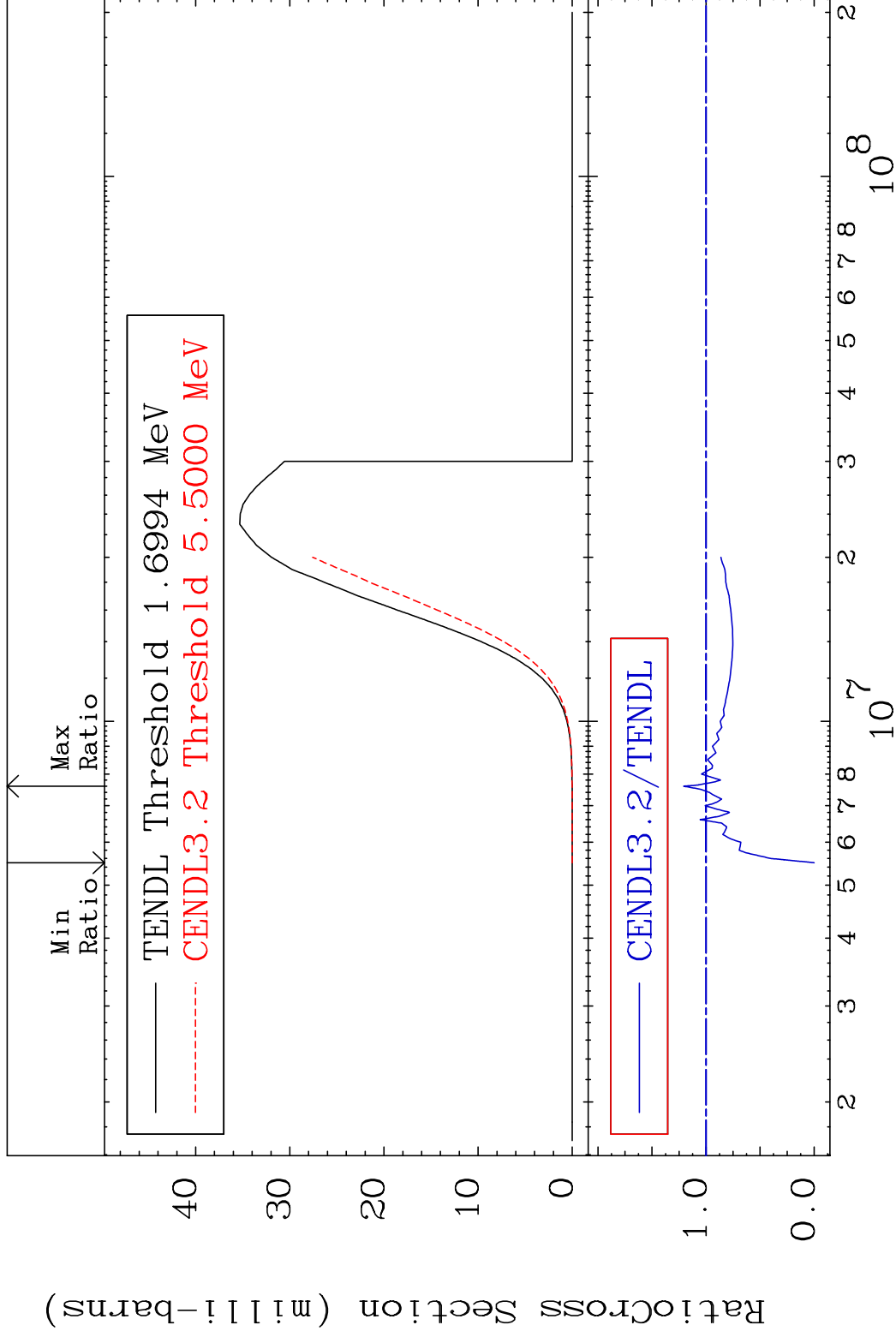
62-Sm-148

MAT 6237

(n, p)

62-Sm-148

Cross Section -100.0 To 20.74 %



29

Incident Energy (eV)

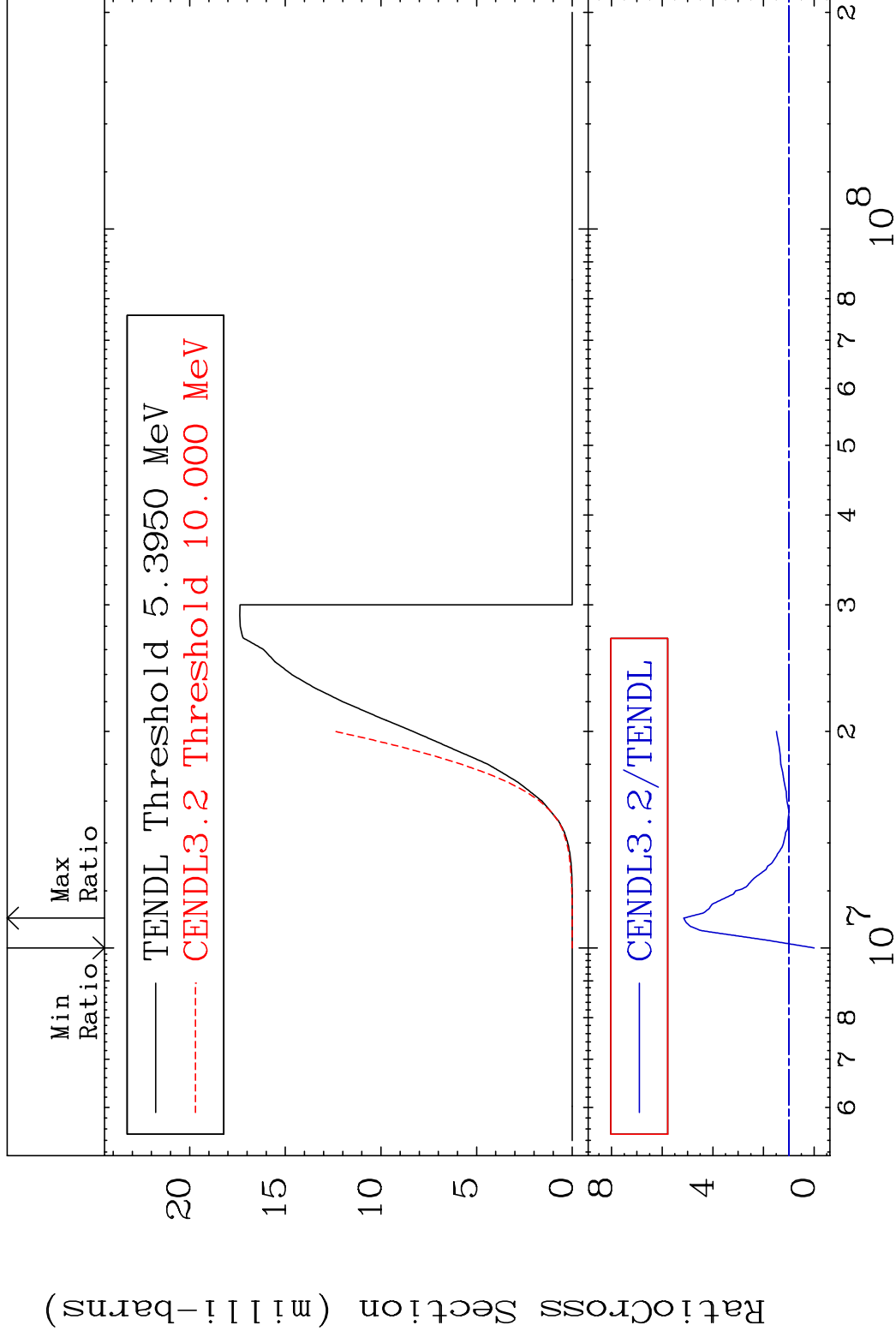
62-Sm-148

MAT 6237

(n, d)

62-Sm-148

Cross Section -100.0 To 415.3 %



30

Incident Energy (eV)

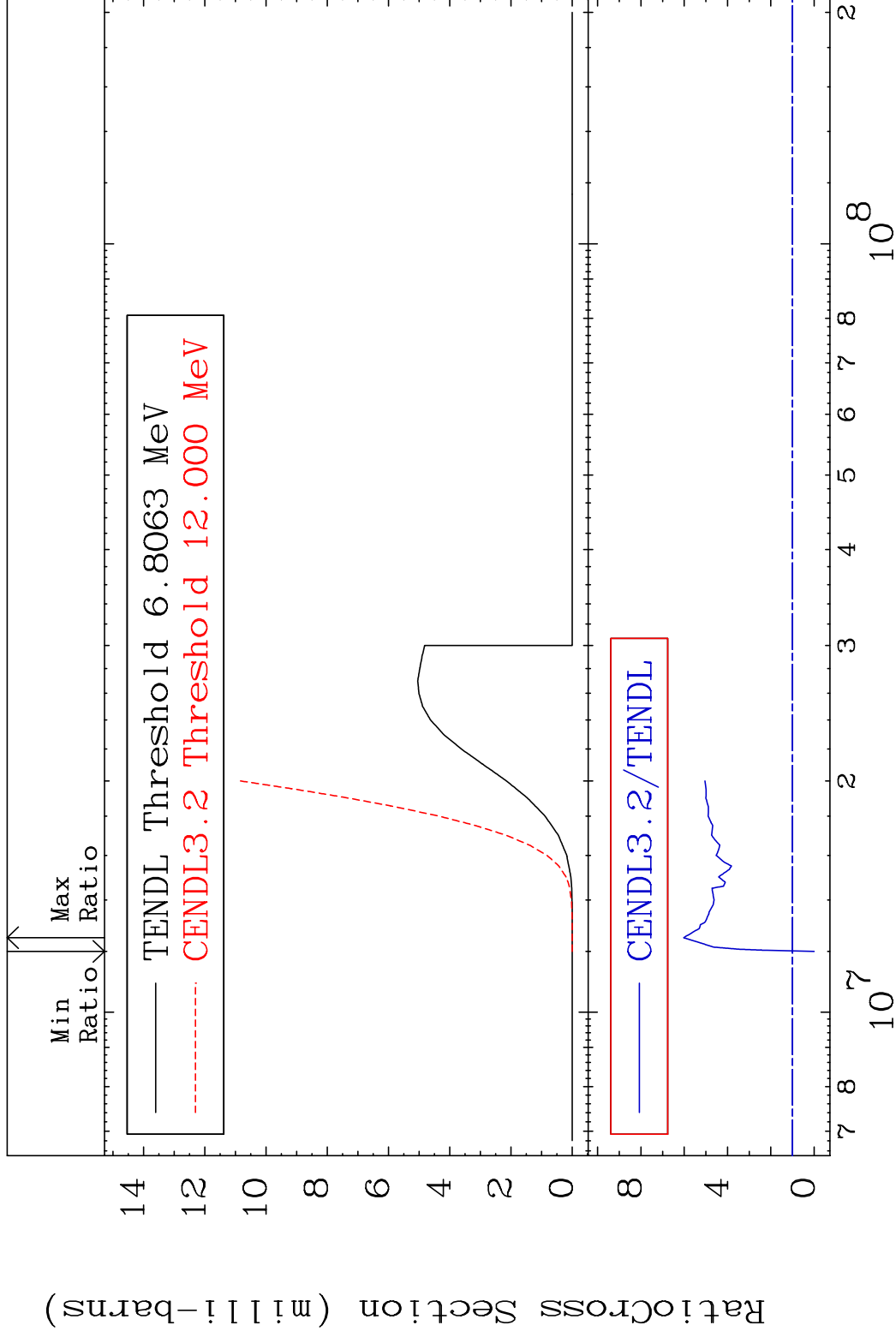
62-Sm-148

MAT 6237

(n, t)

62-Sm-148

Cross Section -100.0 To 502.6 %



31

Incident Energy (eV)

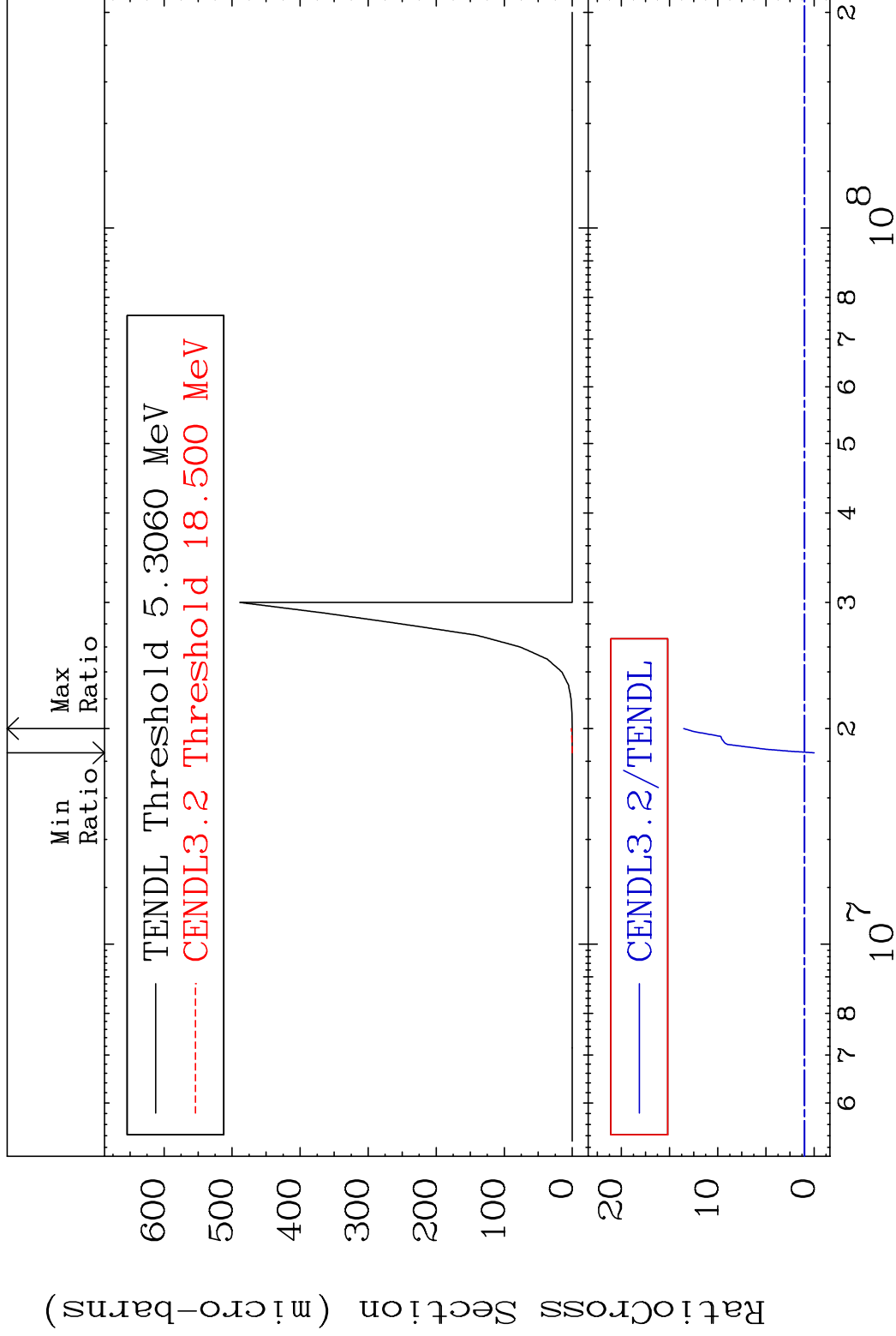
62-Sm-148

MAT 6237

(n, He-3)

62-Sm-148

Cross Section -100.0 To 1254. %



32

Incident Energy (eV)

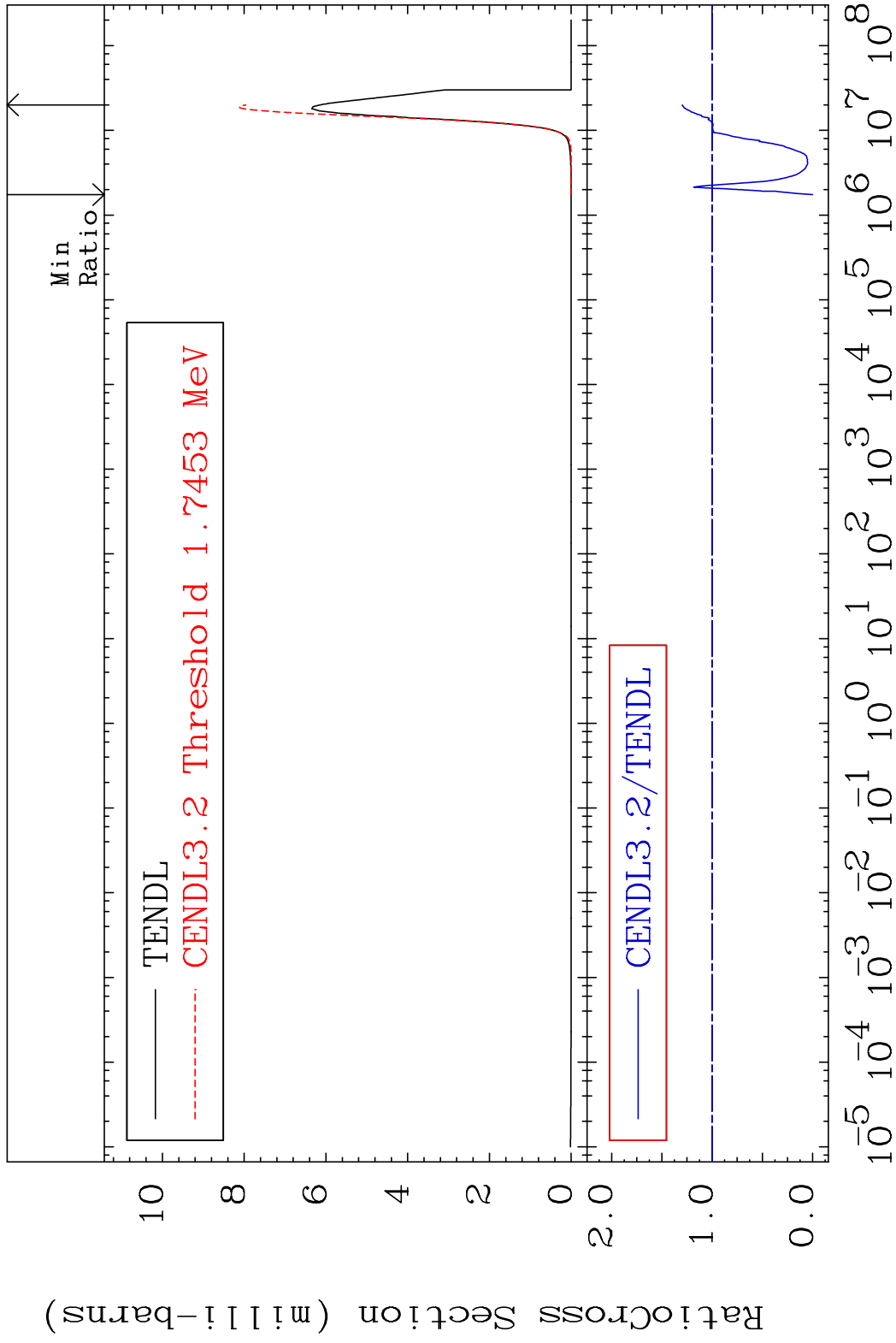
62-Sm-148

MAT 6237

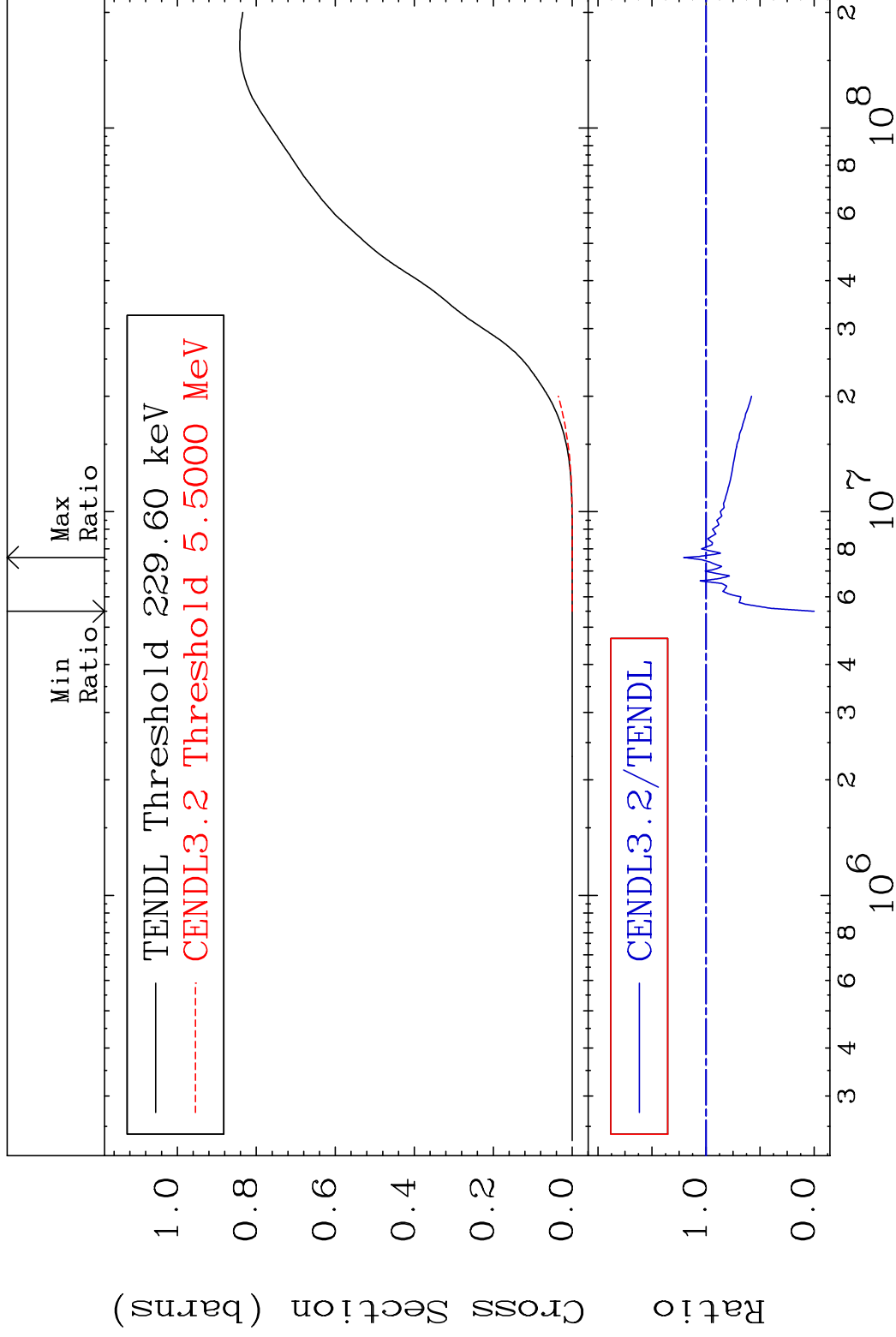
(n, α)

62-Sm-148

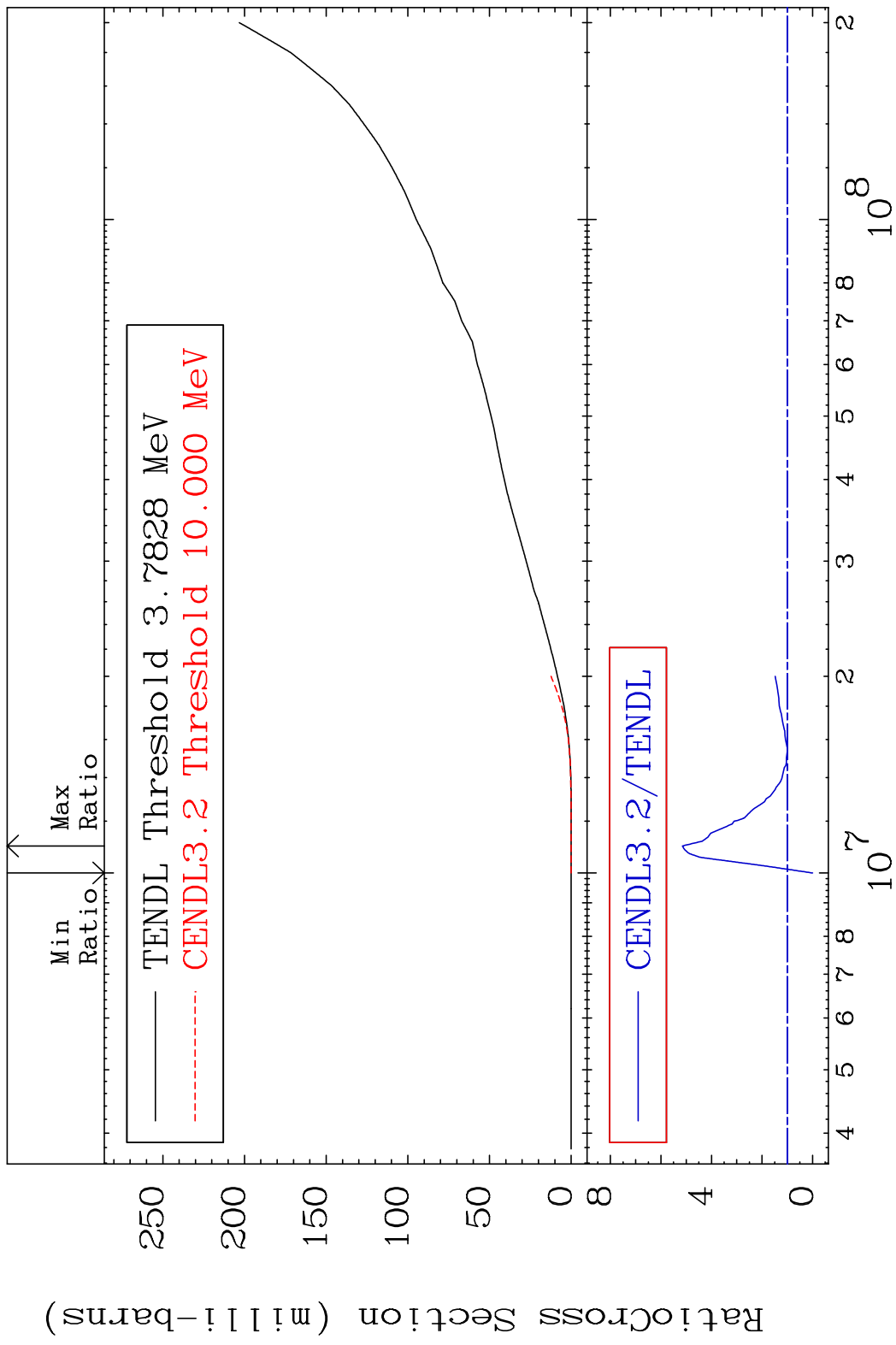
Cross Section -100.0 To 29.63 %



Cross Section -100.0 To 20.74 %

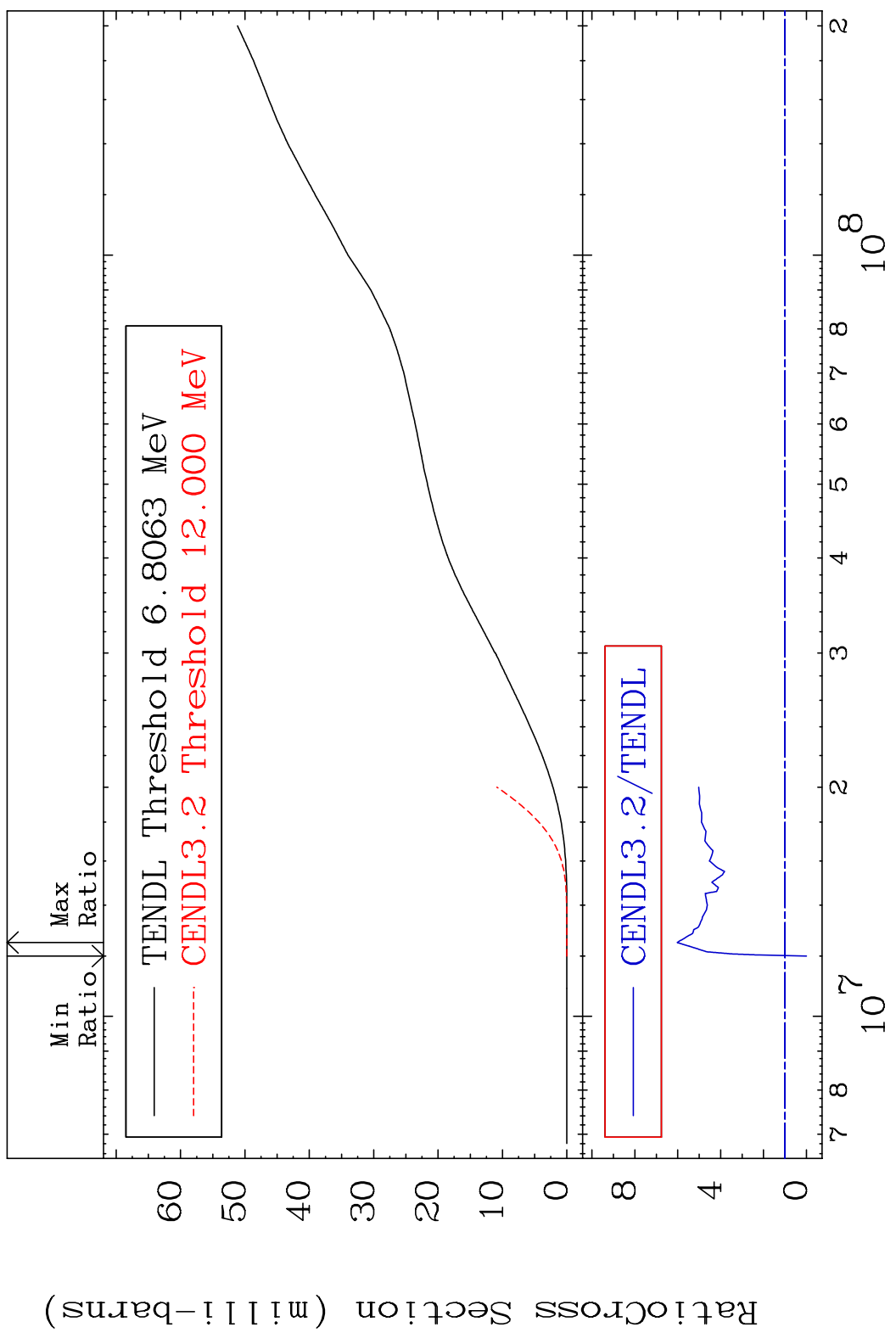


MAT 6237 Deuterium Production 62-Sm-148
 Cross Section -100.0 To 415.3 %



MAT 6237

Tritium Production 62-Sm-148
Cross Section -100.0 To 502.6 %

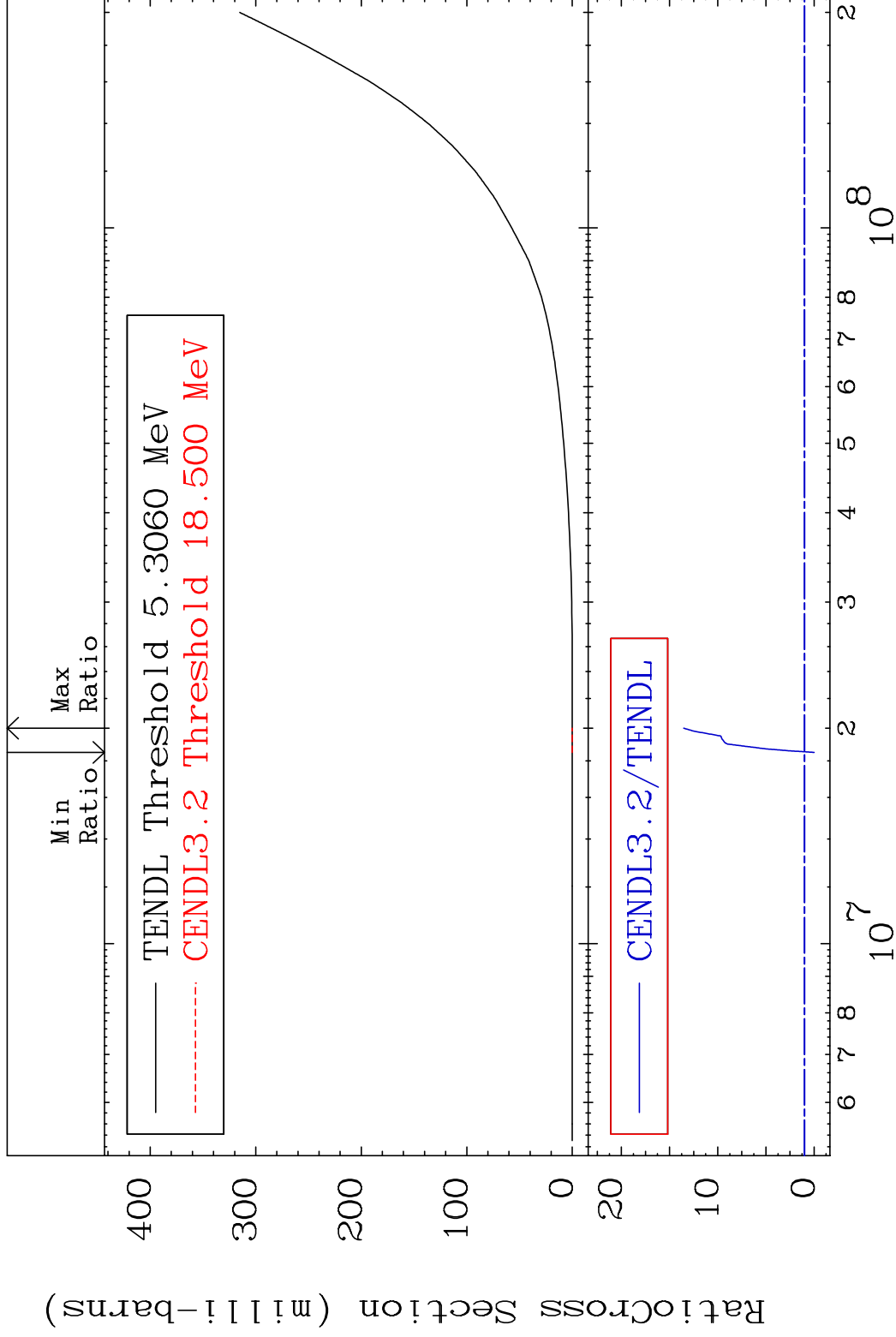


MAT 6237

He-3 Production

62-Sm-148

Cross Section -100.0 To 1254. %



37

Incident Energy (eV)

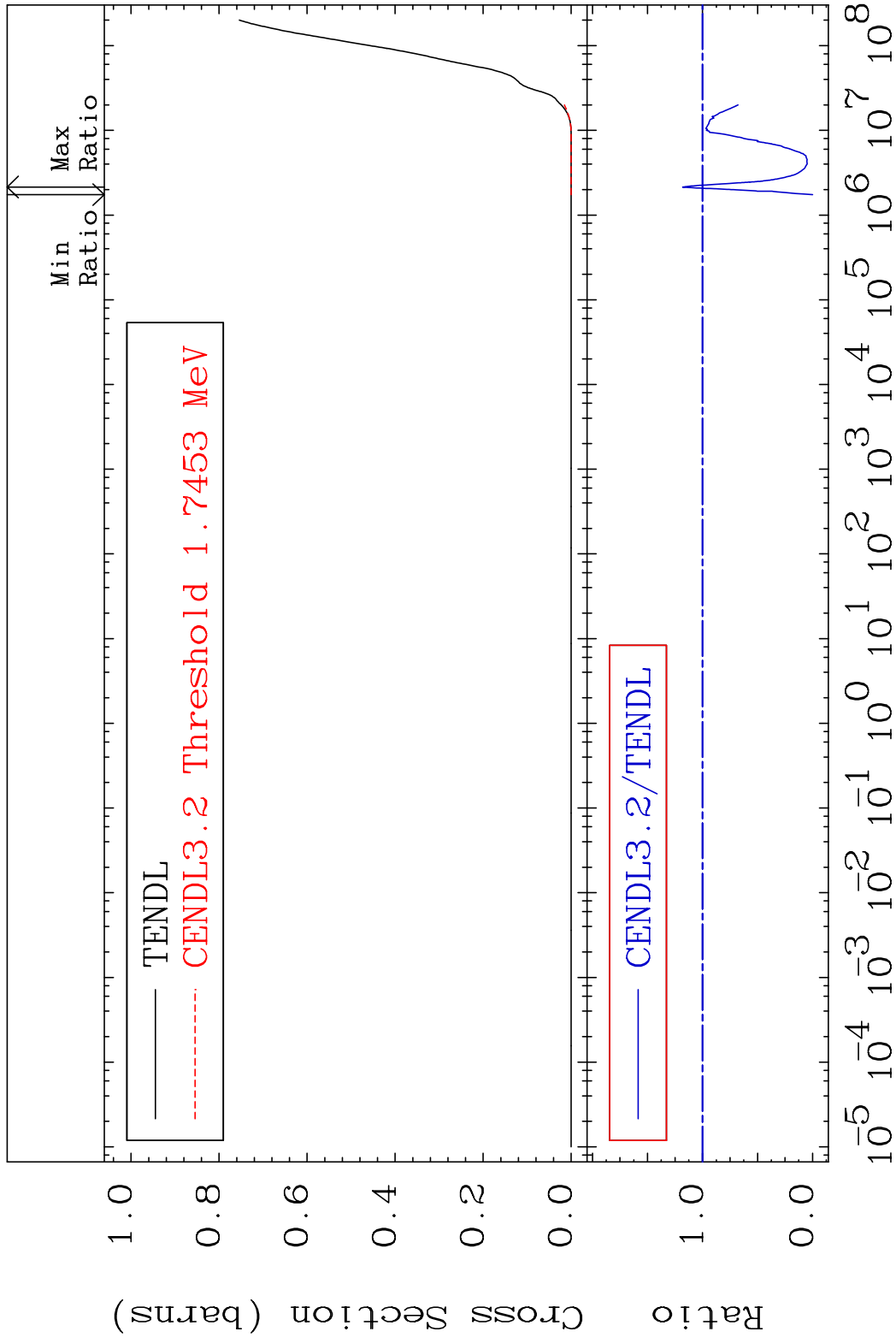
62-Sm-148

MAT 6237

He-4 Production

62-Sm-148

Cross Section -100.0 To 18.32 %

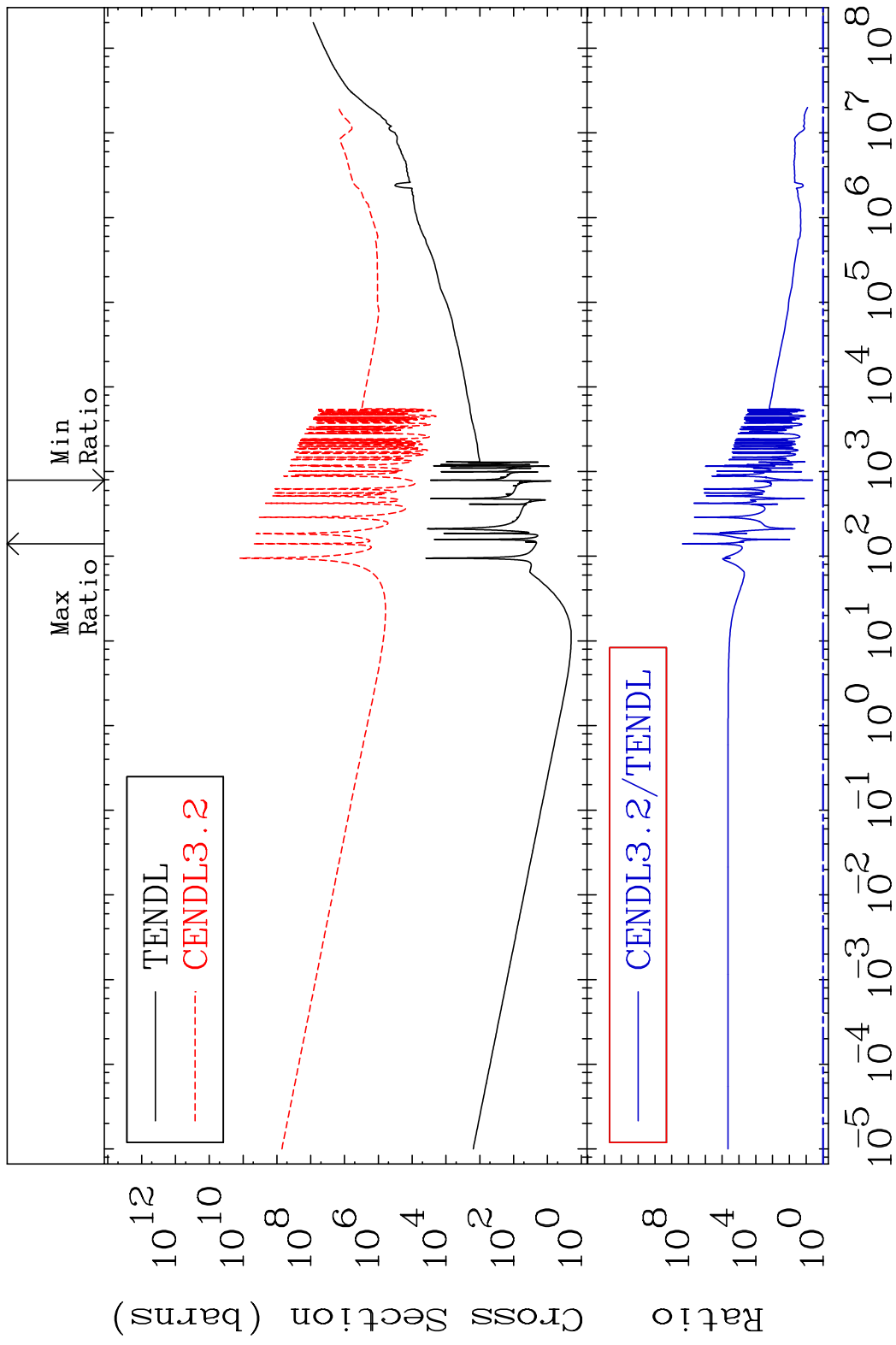


38

Incident Energy (eV)

62-Sm-148

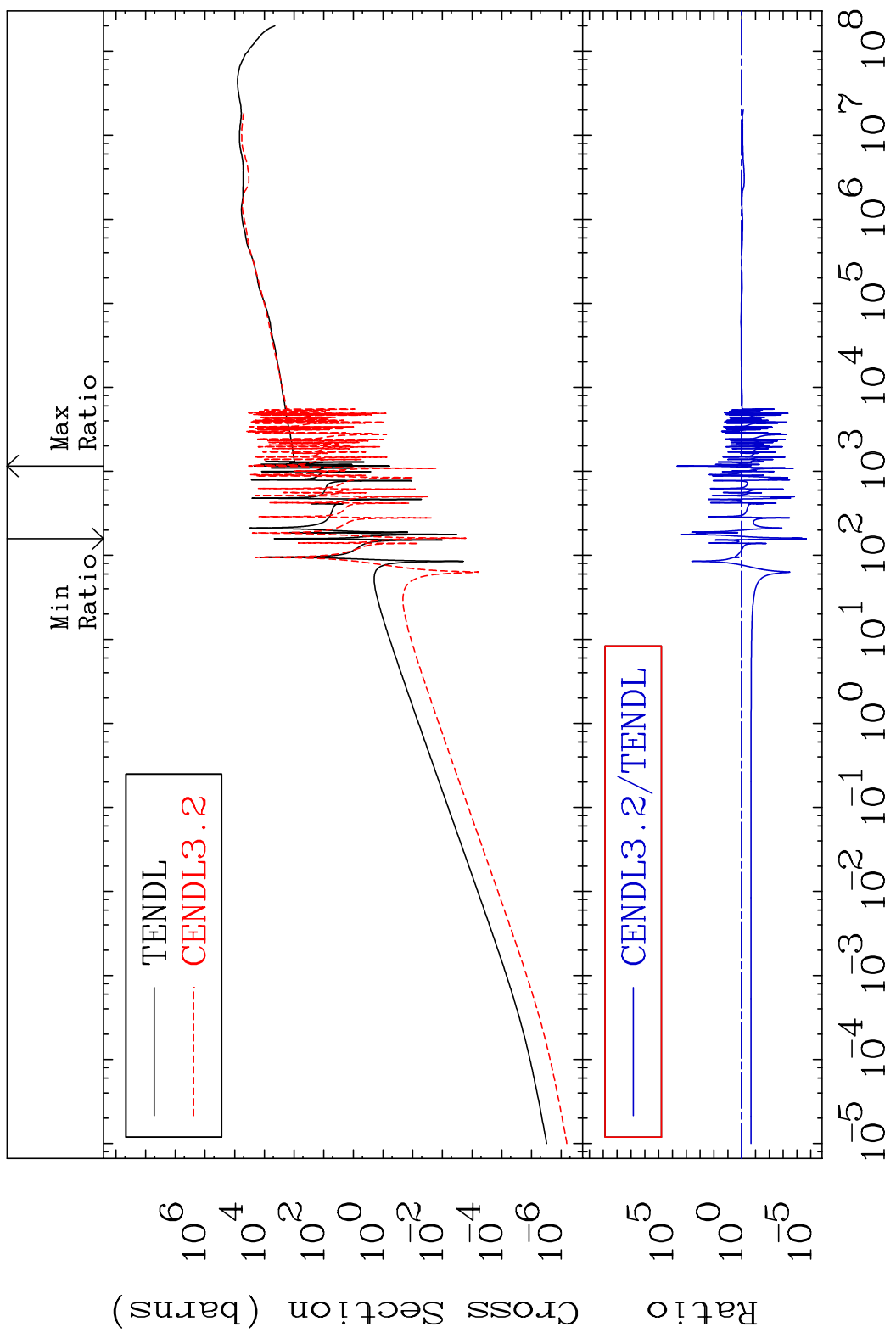
MAT 6237 Kerma total (eV-barns) 62-Sm-148
 Cross Section 317.3 To 9999. %



39 Incident Energy (eV) 62-Sm-148

MAT 6237

Kerma elastic Cross Section -100.0 To 9999. %
62-Sm-148

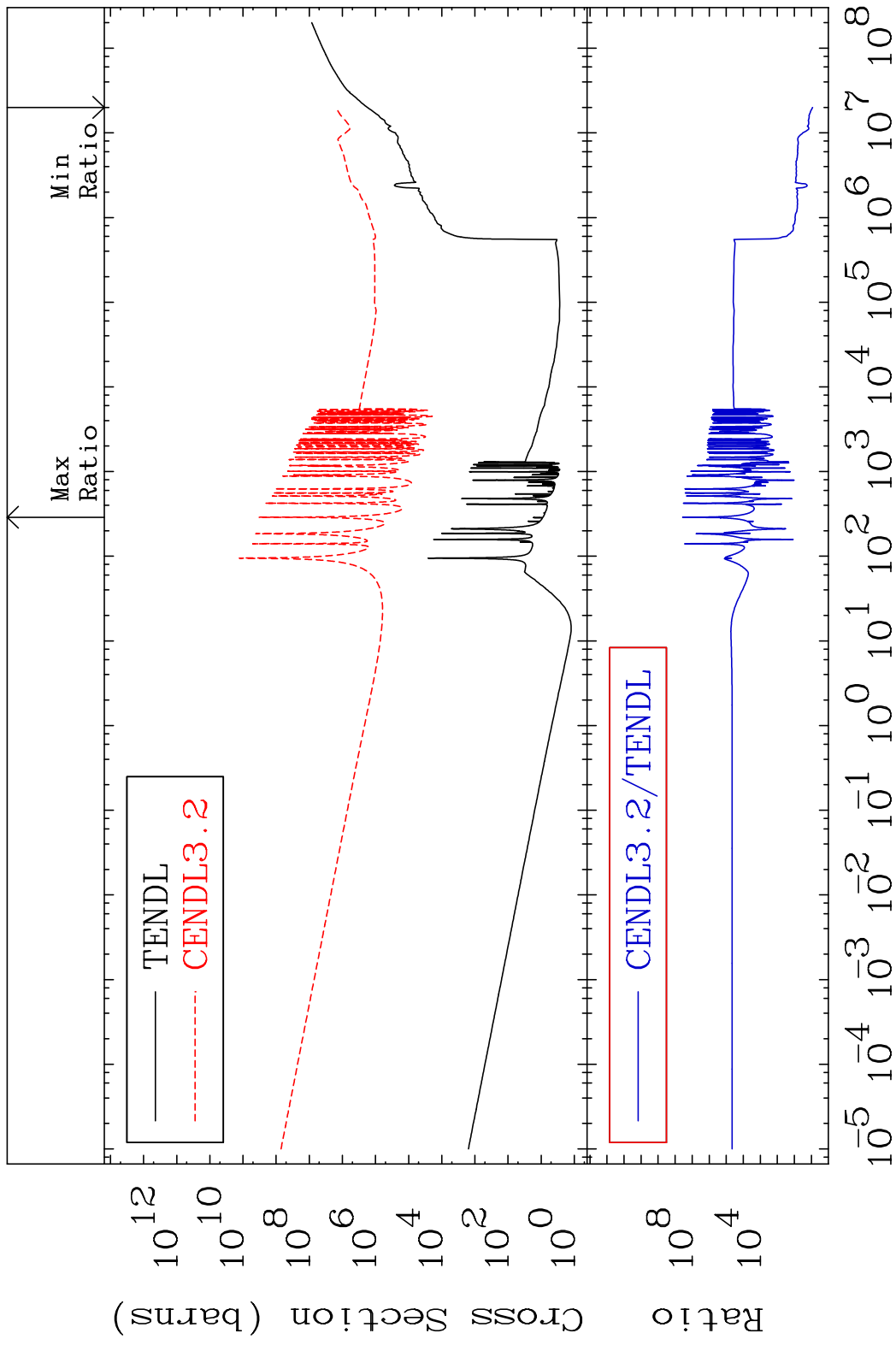


40

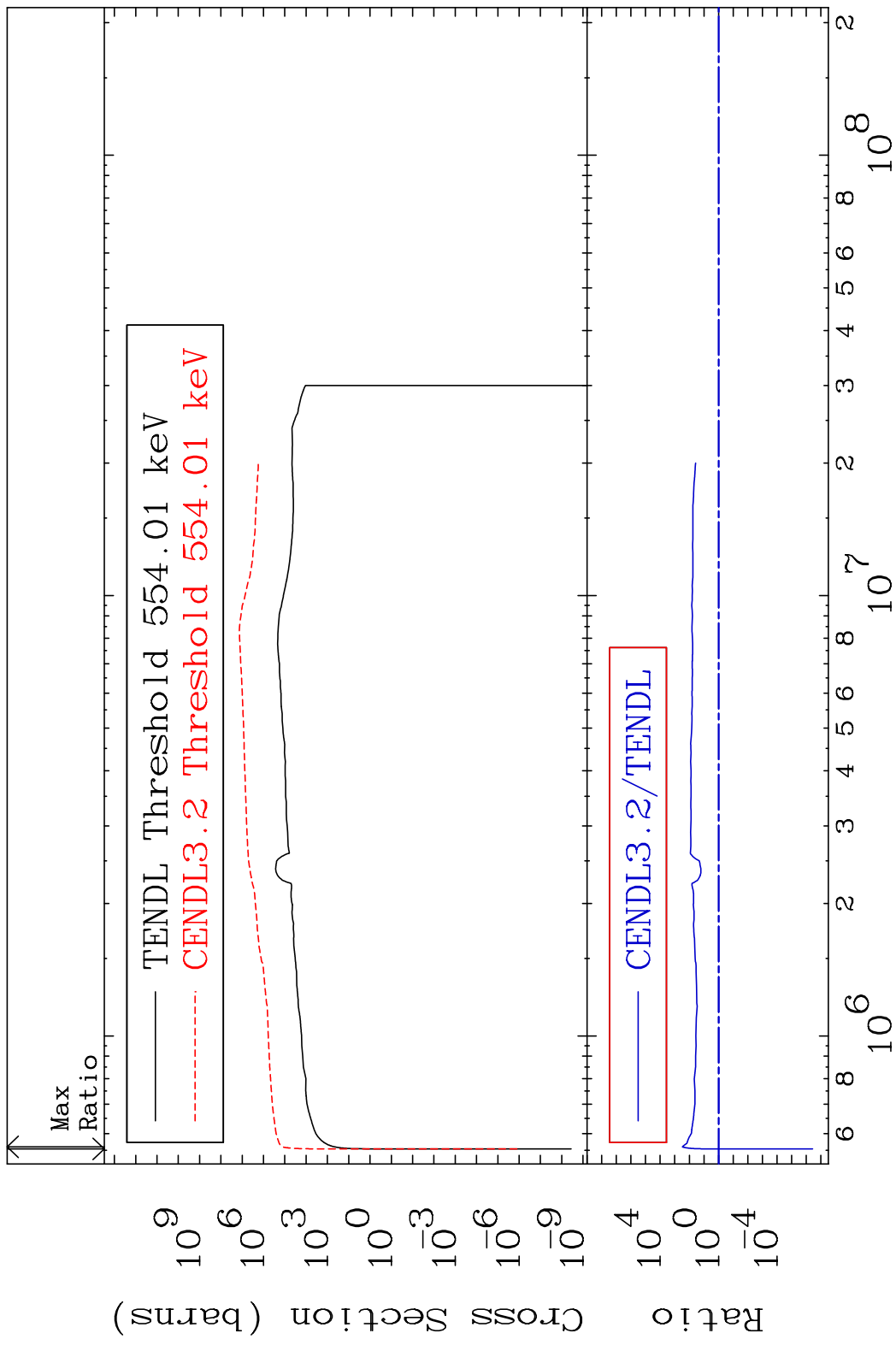
Incident Energy (eV)

62-Sm-148

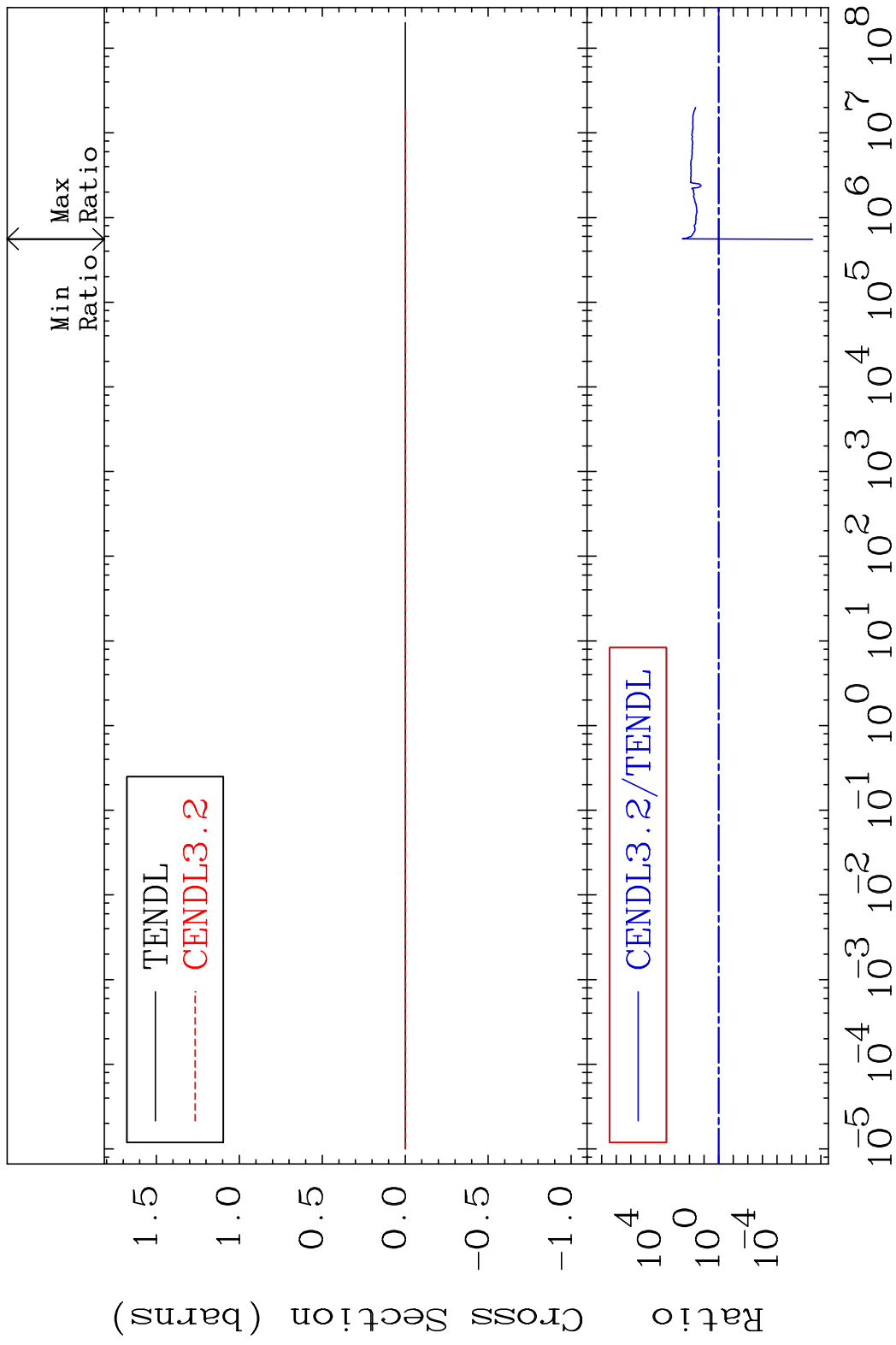
MAT 6237 Kerma non-elastic (all but mt2) 62-Sm-148
 Cross Section 760.2 To 9999. %

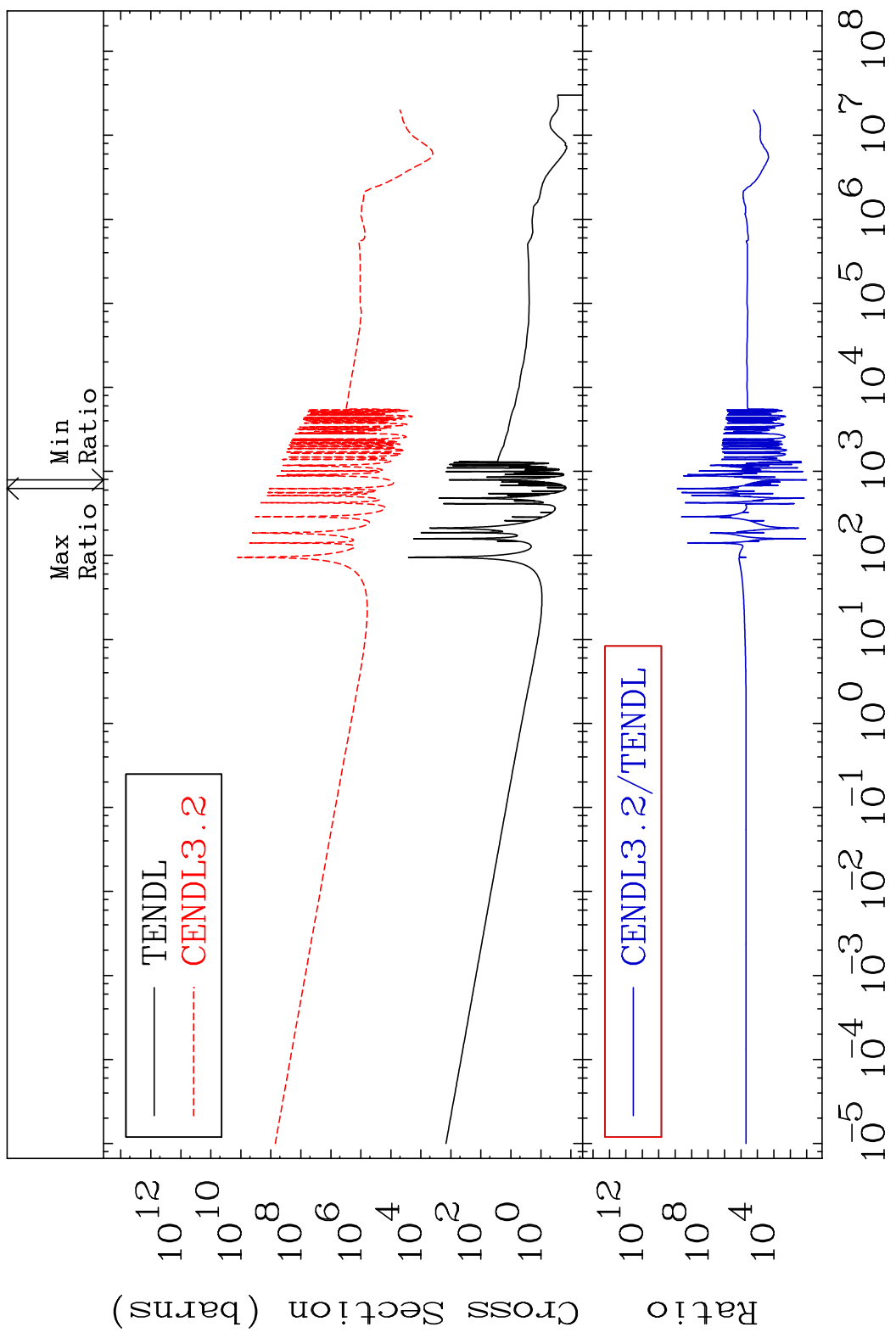


MAT 6237 Kerma inelastic (mt51-91) 62-Sm-148
 Cross Section -100.0 To 9999. %

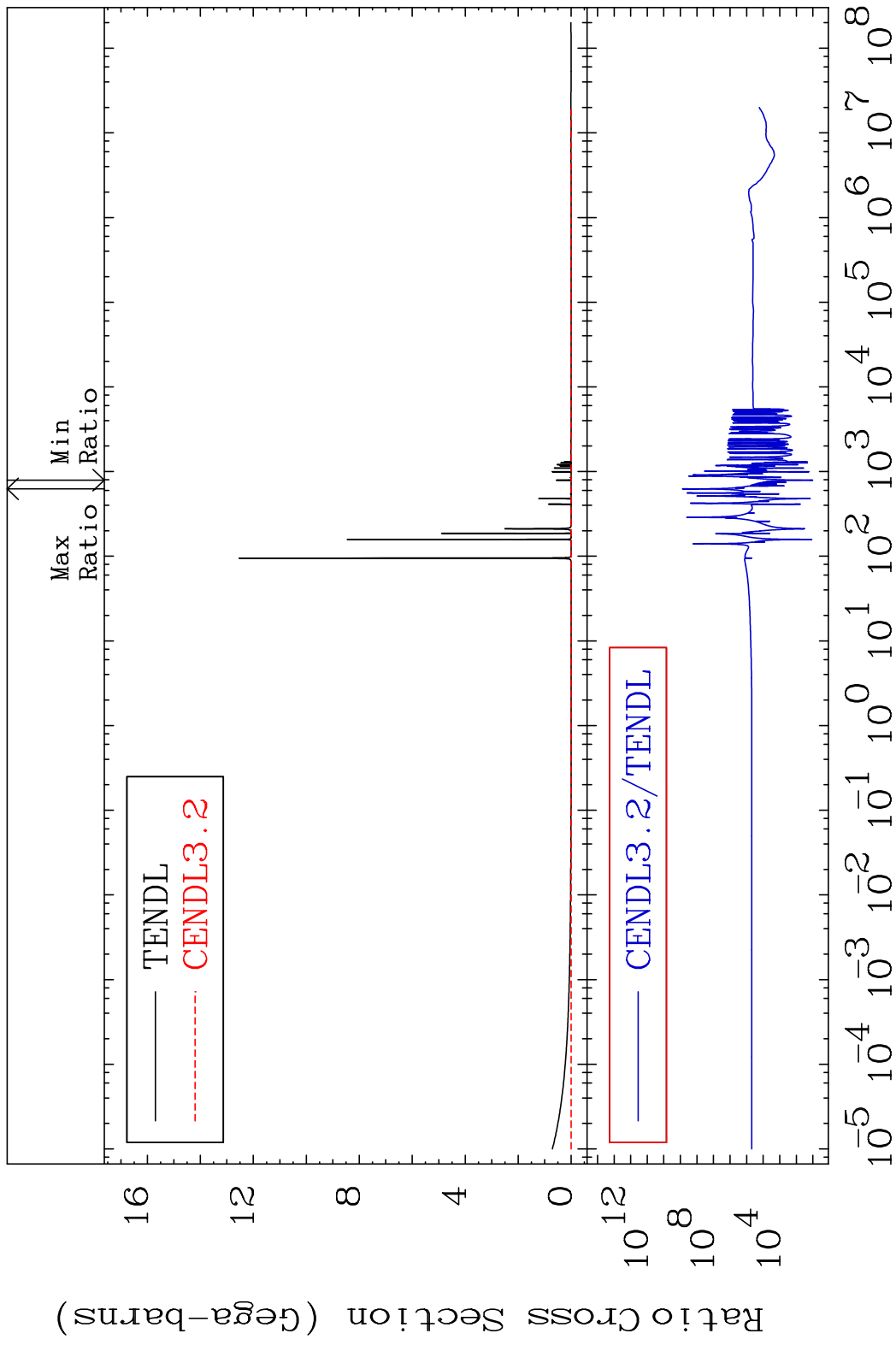


MAT 6237 Kerma fission (mt18 or mt19-20-21-38) ^{62}Sm -148
 Cross Section -100.0 To 9999. %

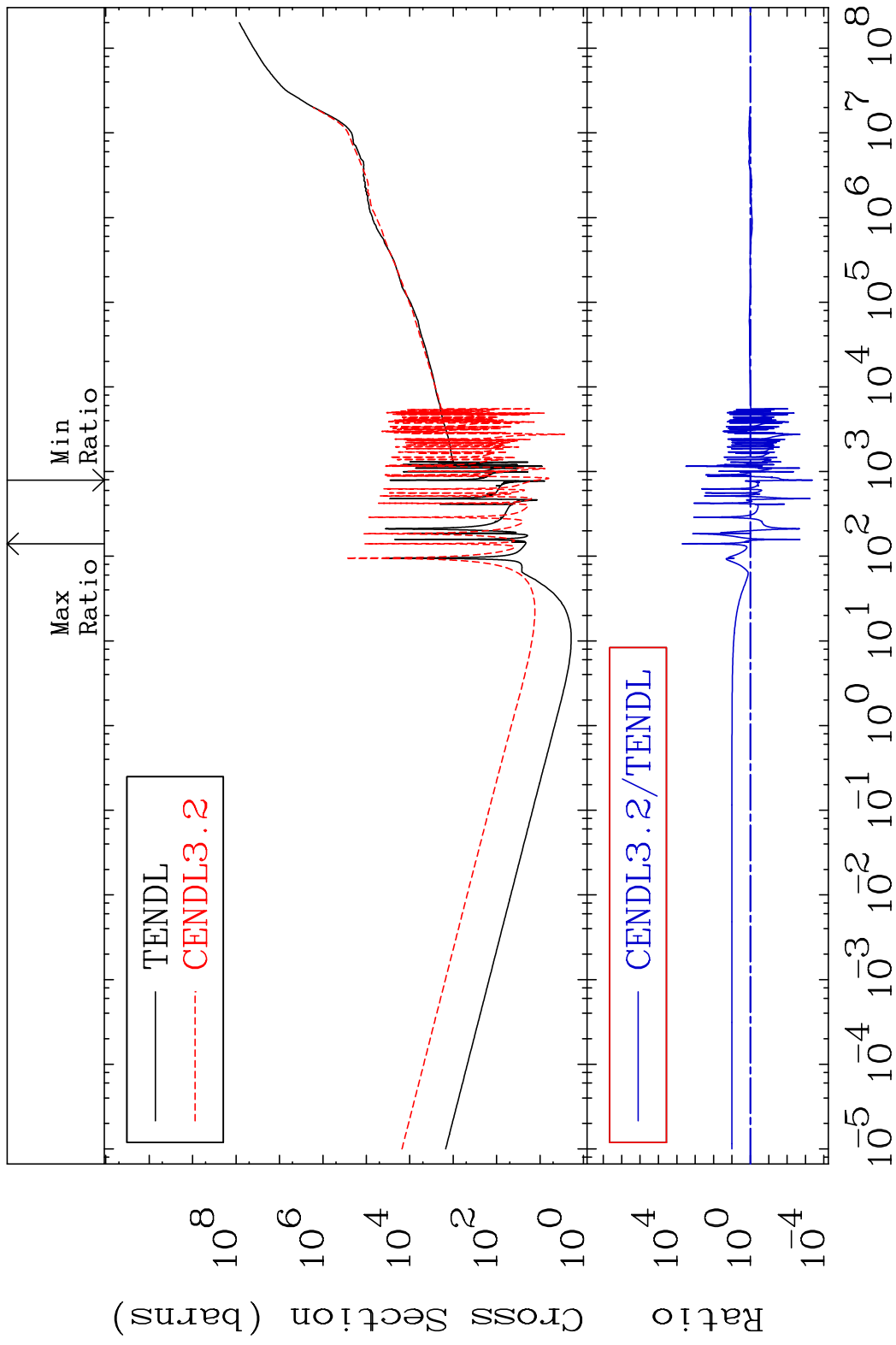




MAT 6237 Total photon (eV-barns) 62-Sm-148
Cross Section 9999. To 9999. %



MAT 6237 Total kinematic kerma (high limit) 62-Sm-148
 Cross Section -99.96 To 9999. %

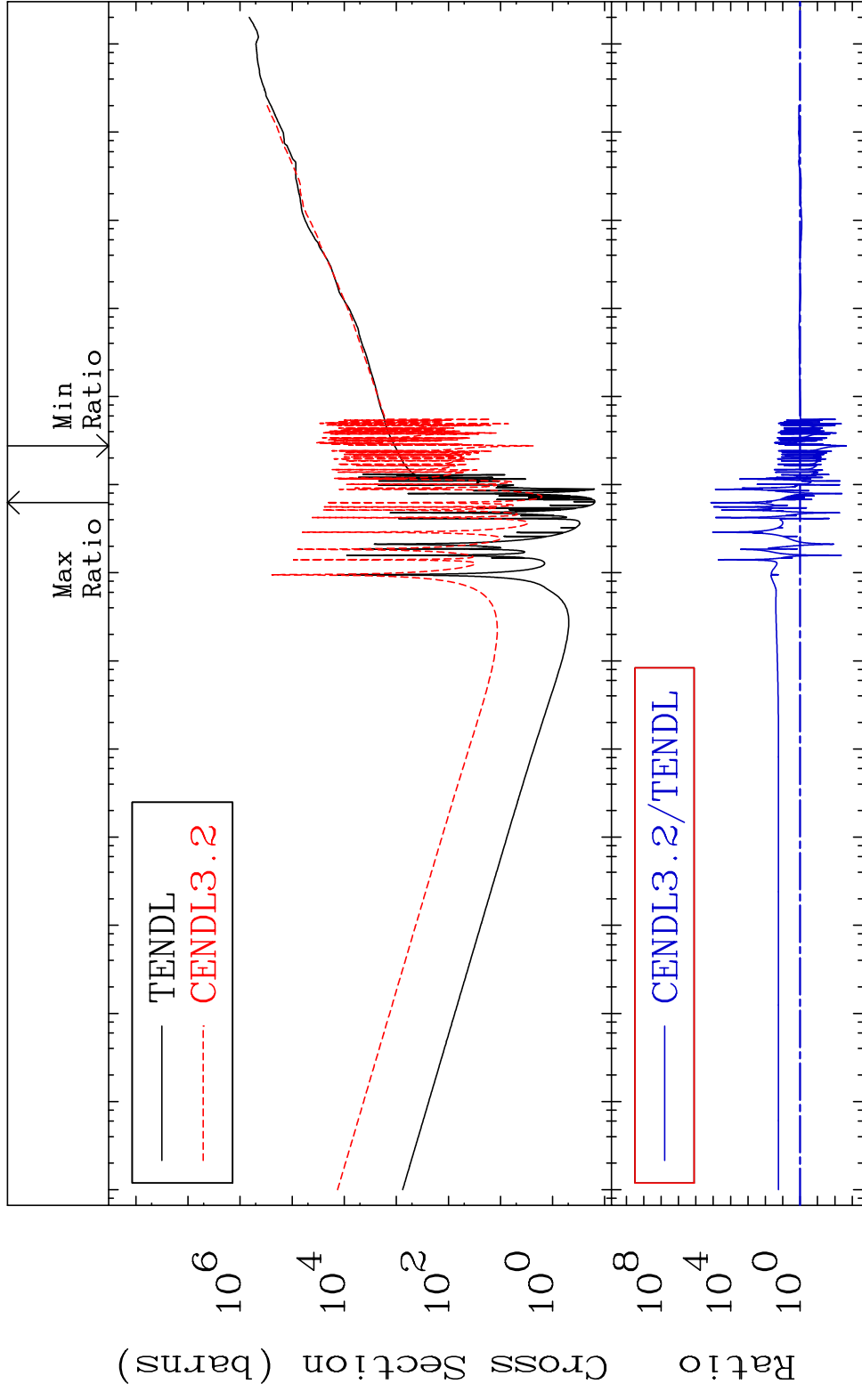


MAT 6237

Dpa total (eV-barns)

62-Sm-148

Cross Section -99.78 To 9999. %



47

Incident Energy (eV)

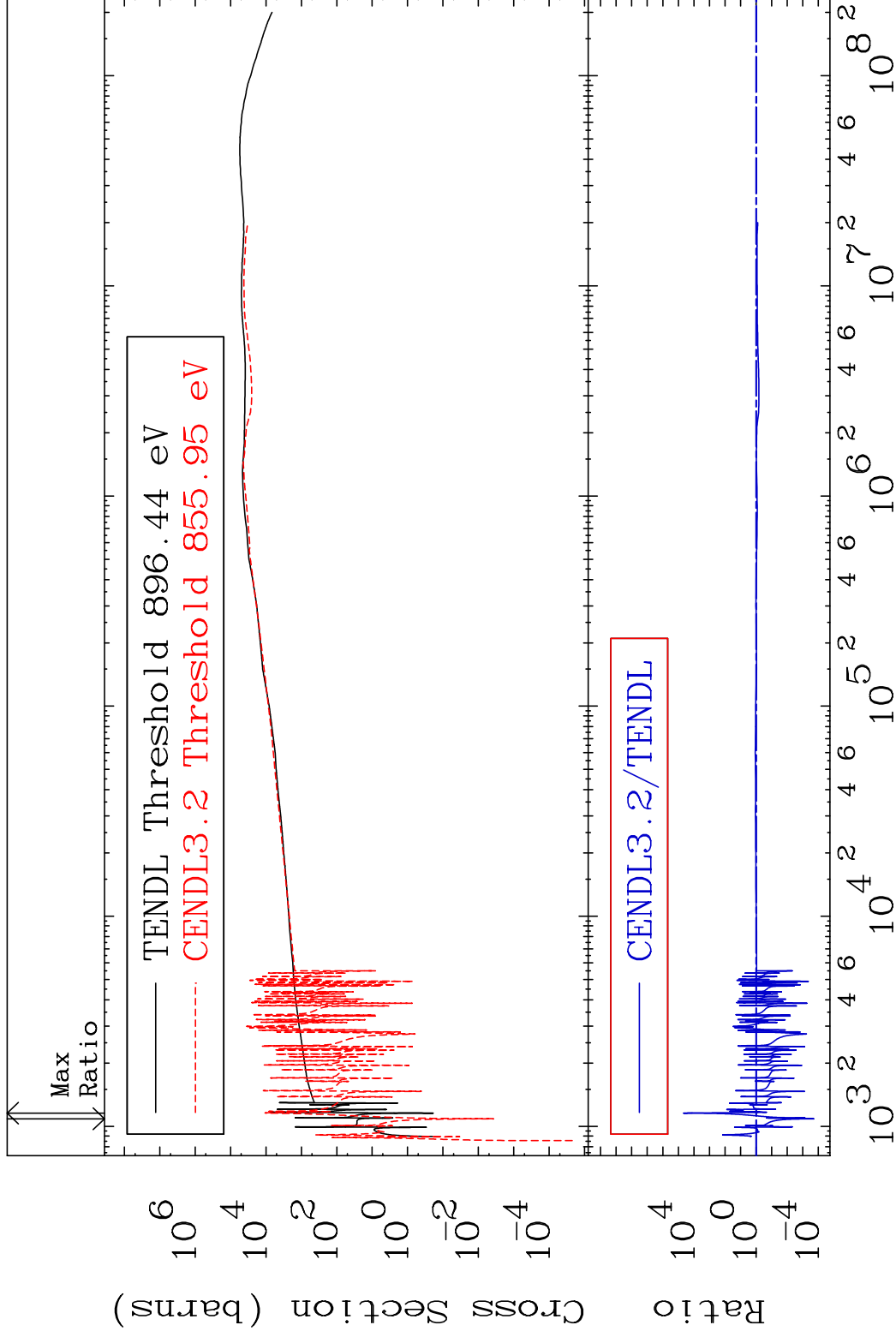
62-Sm-148

MAT 6237

Dpa elastic (mt2)

62-Sm-148

Cross Section -99.98 To 9999. %

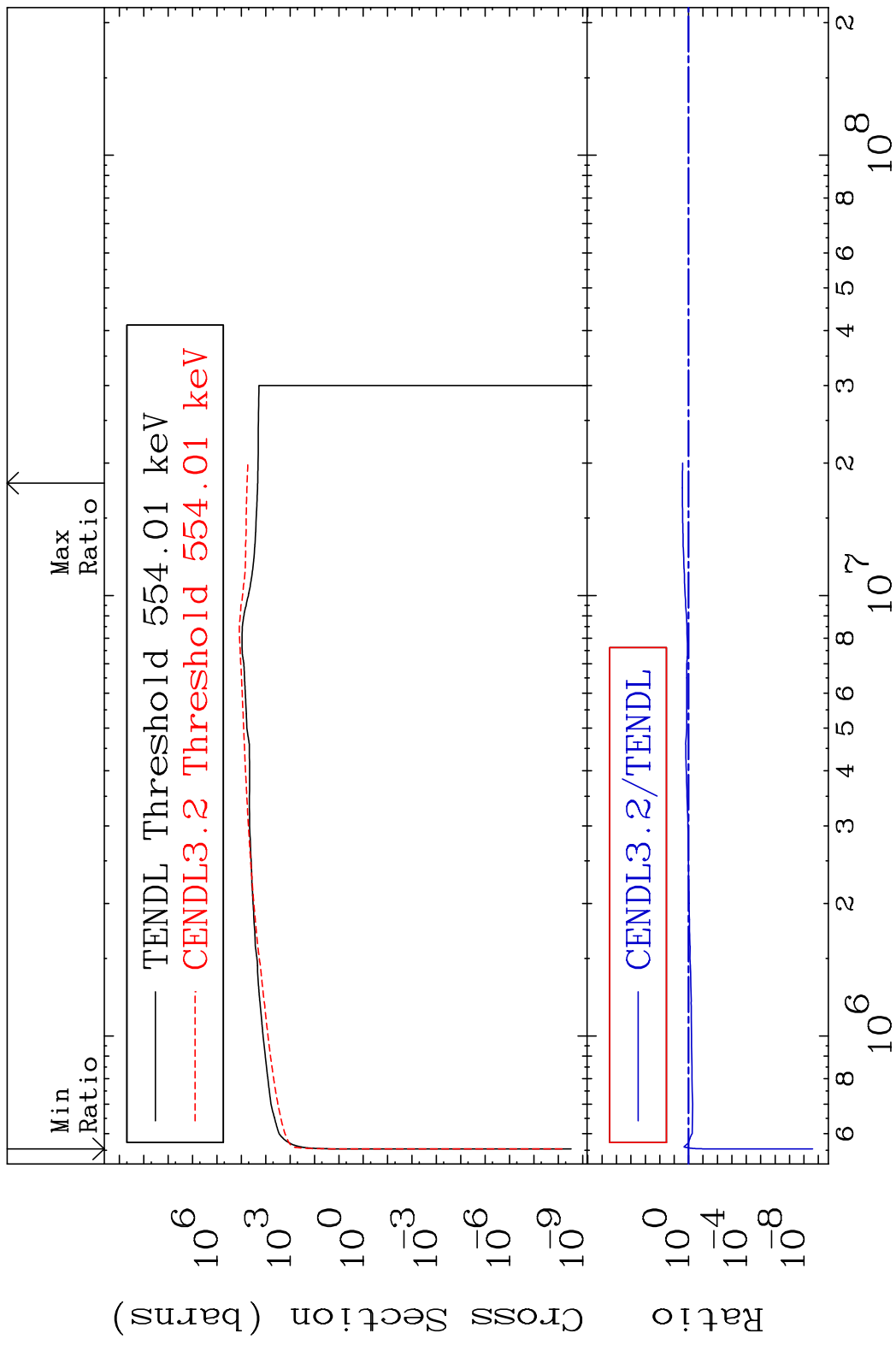


48

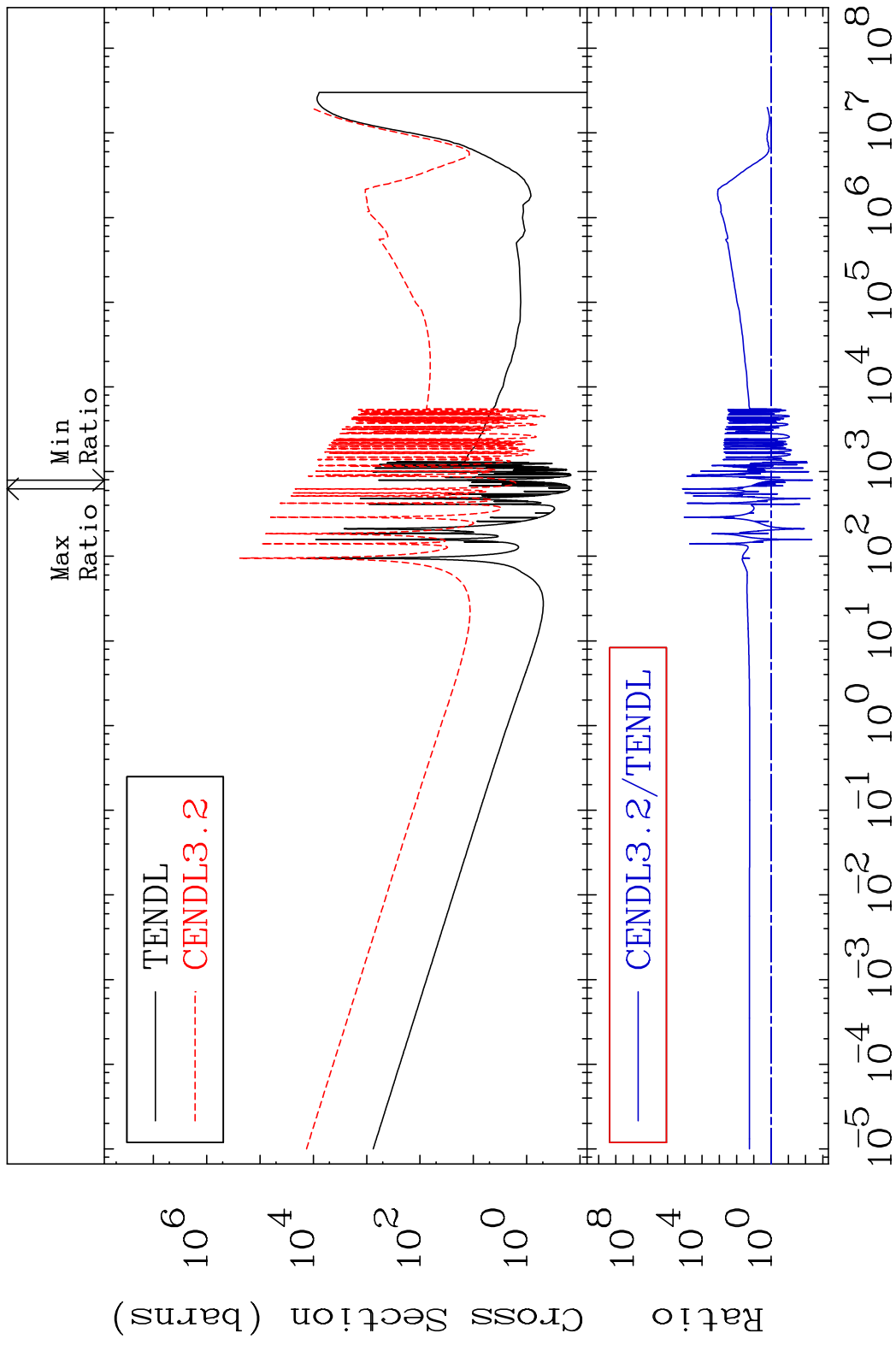
Incident Energy (eV)

62-Sm-148

MAT 6237 Dpa inelastic (mt51-91) 62-Sm-148
 Cross Section -100.0 To 171.7 %

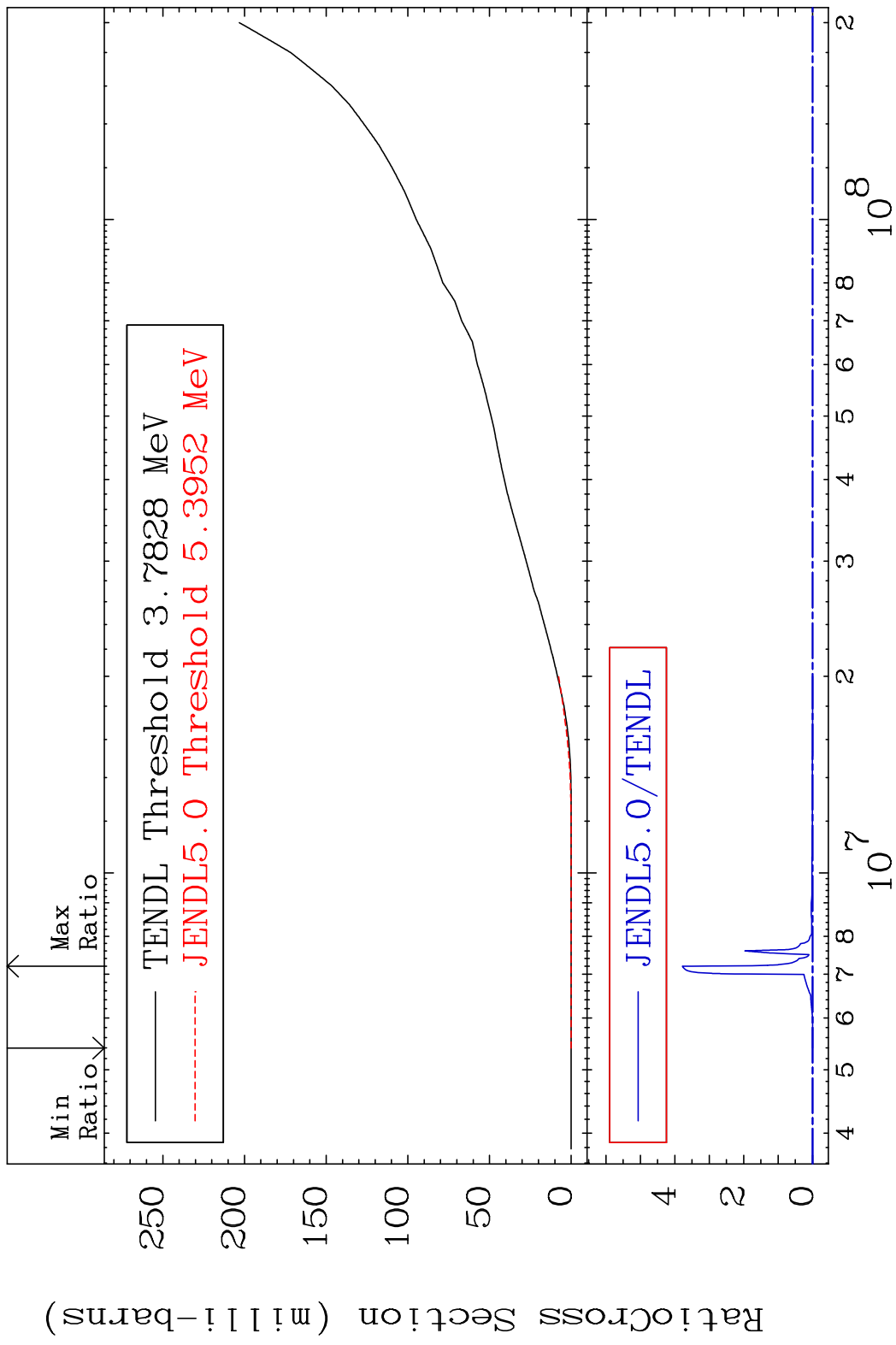


MAT 6237 Dpa disappearance (mt102 -120) 62-Sm-148
 Cross Section -99.60 To 9999. %

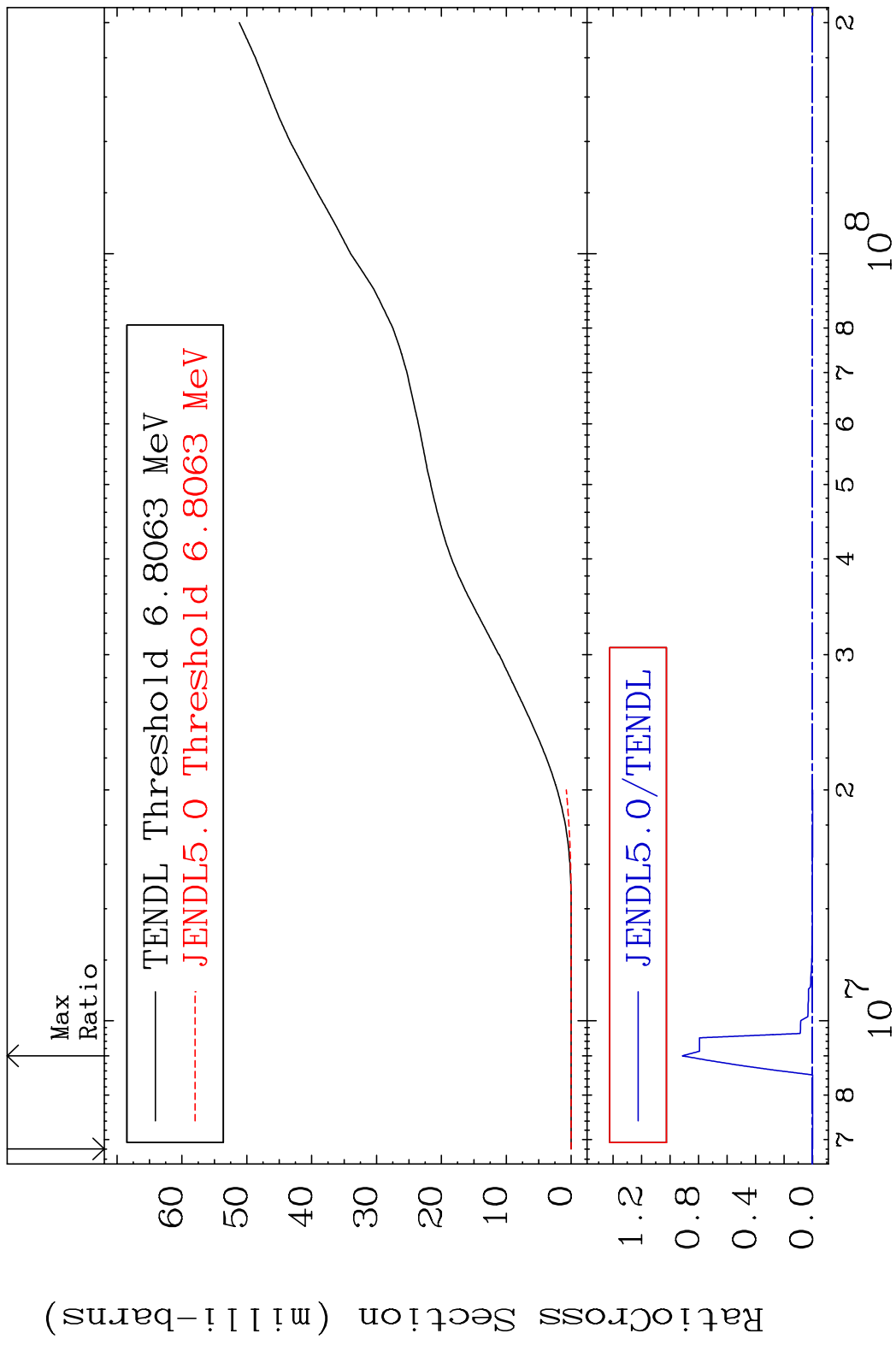


50 Incident Energy (eV) 62-Sm-148

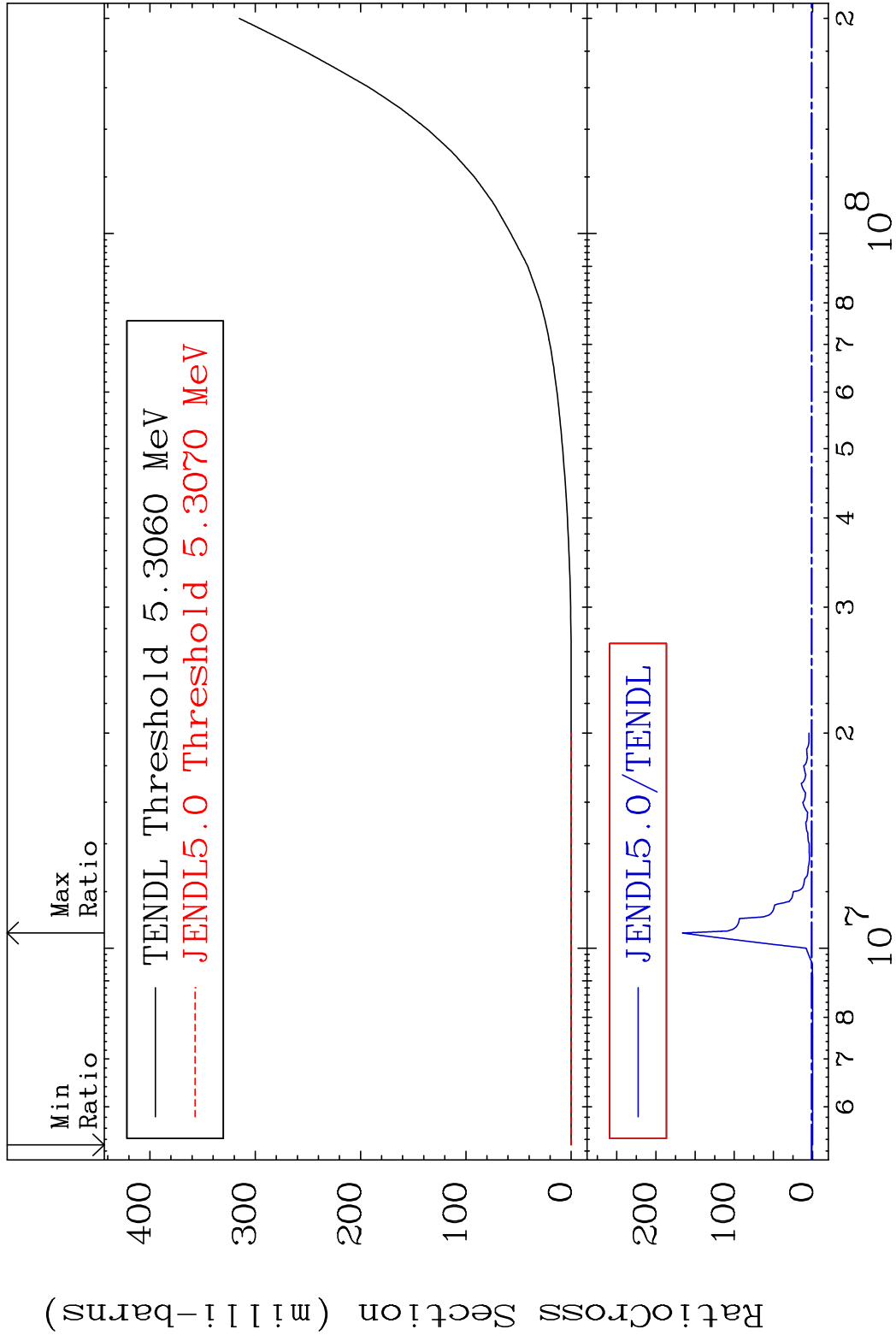
MAT 6237 Deuterium Production 62-Sm-148
 Cross Section -100.0 To 9999. %



MAT 6237 Tritium Production 62-Sm-148
 Cross Section -100.0 To 9999. %



Cross Section -100.0 To 9999. %

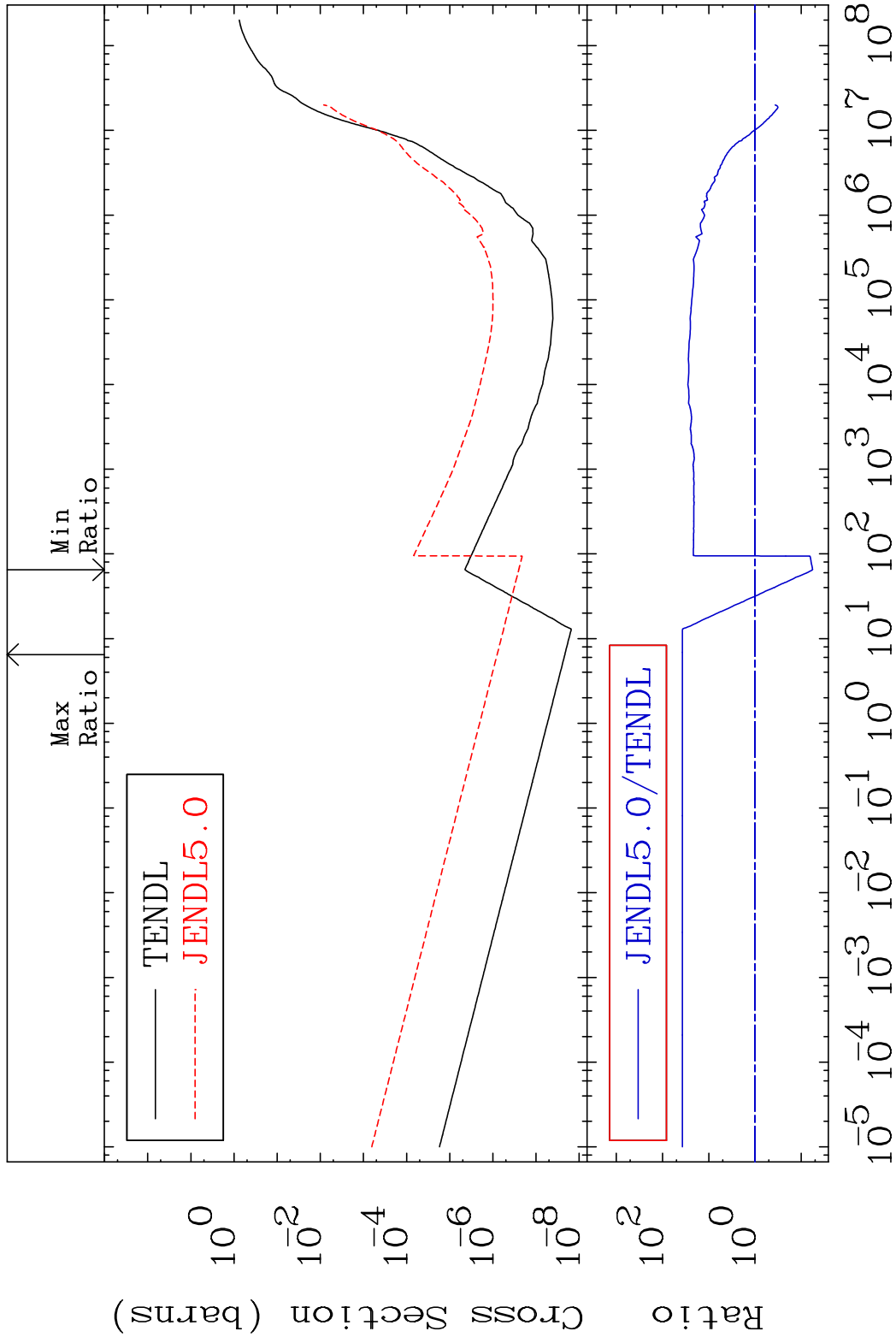


MAT 6237

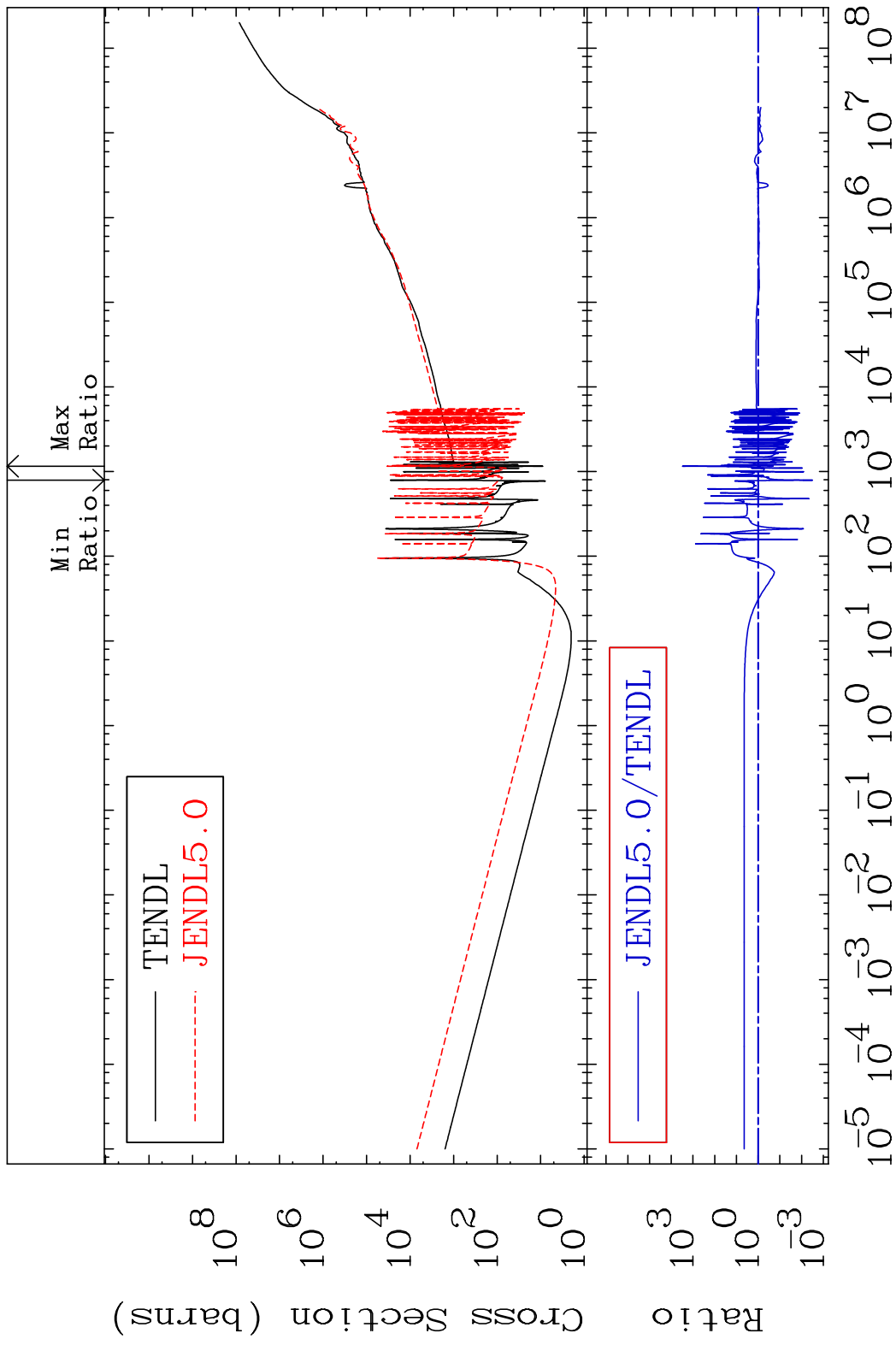
He-4 Production

62-Sm-148

Cross Section -94.31 To 3621. %



MAT 6237 Kerma total (eV-barns) 62-Sm-148
 Cross Section -99.69 To 9999. %



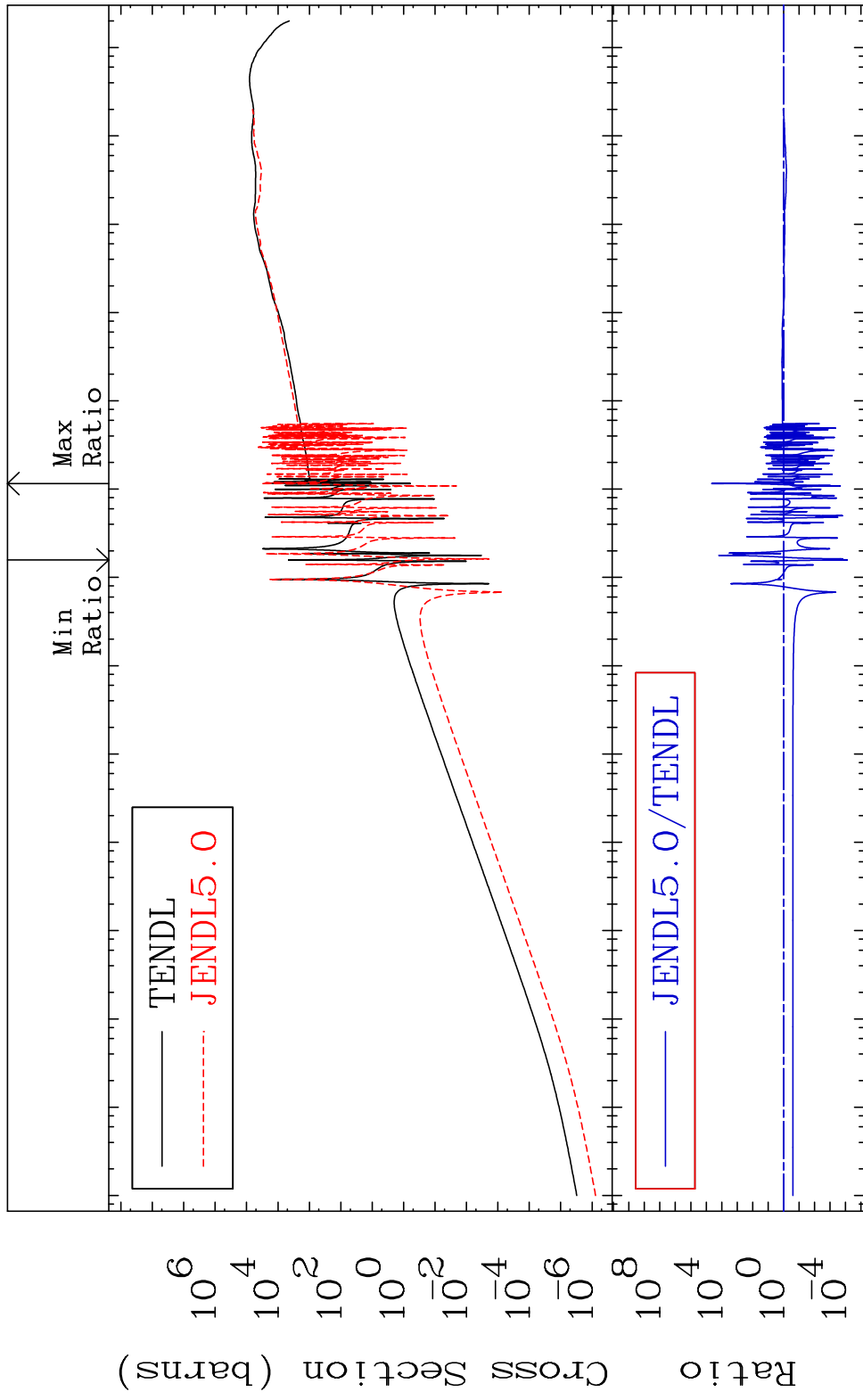
55 Incident Energy (eV) 62-Sm-148

MAT 6237

Kerma elastic
Cross Section

62-Sm-148

-99.99 To 9999. %

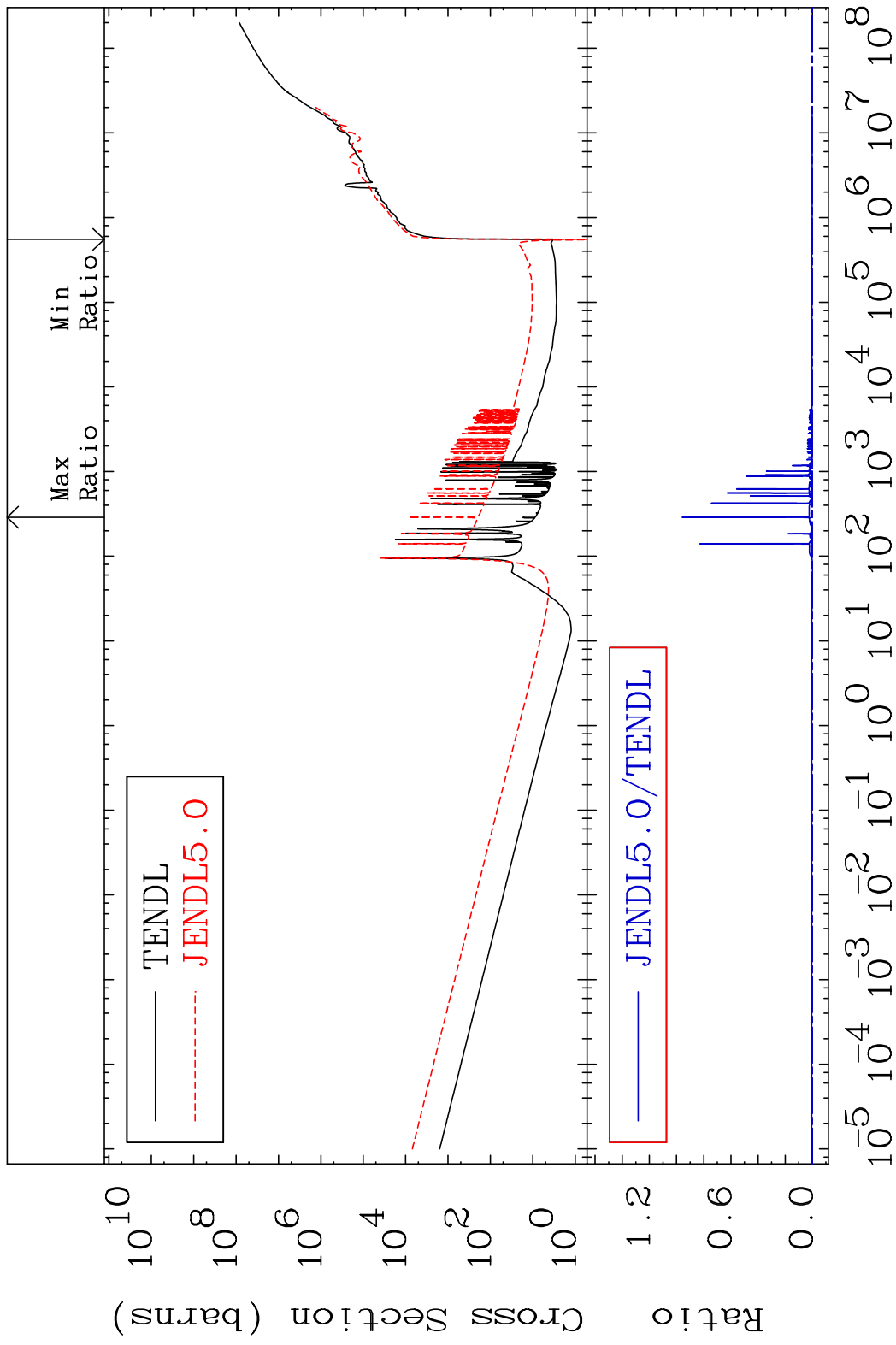


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Incident Energy (eV)

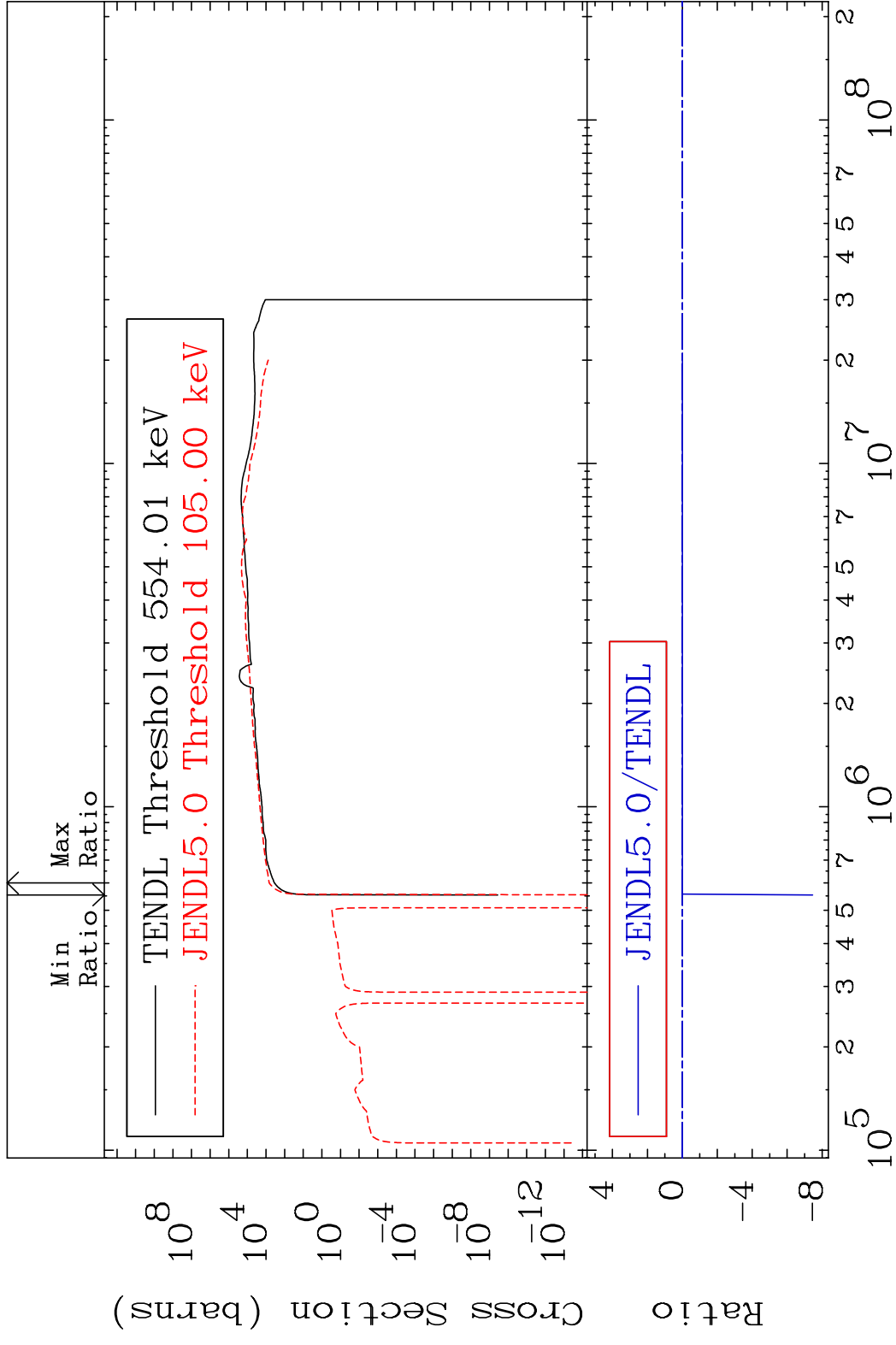
62-Sm-148

MAT 6237 Kerma non-elastic (all but mt2) 62-Sm-148
 Cross Section -255.3 To 9999. %



MAT 6237

Kerma inelastic (mt51-91) 62-Sm-148
Cross Section -9999. To 92.08 %

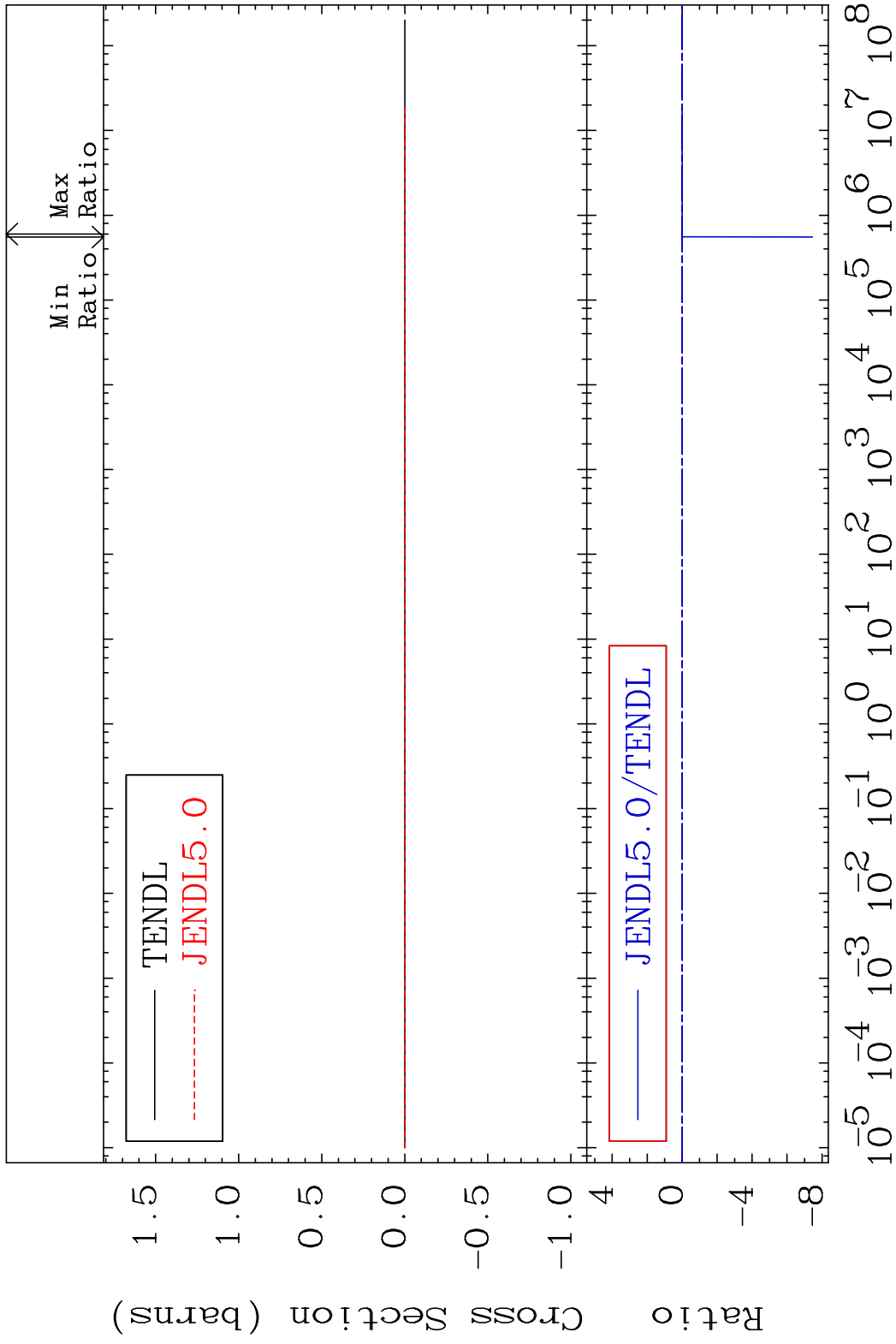


58

Incident Energy (eV)

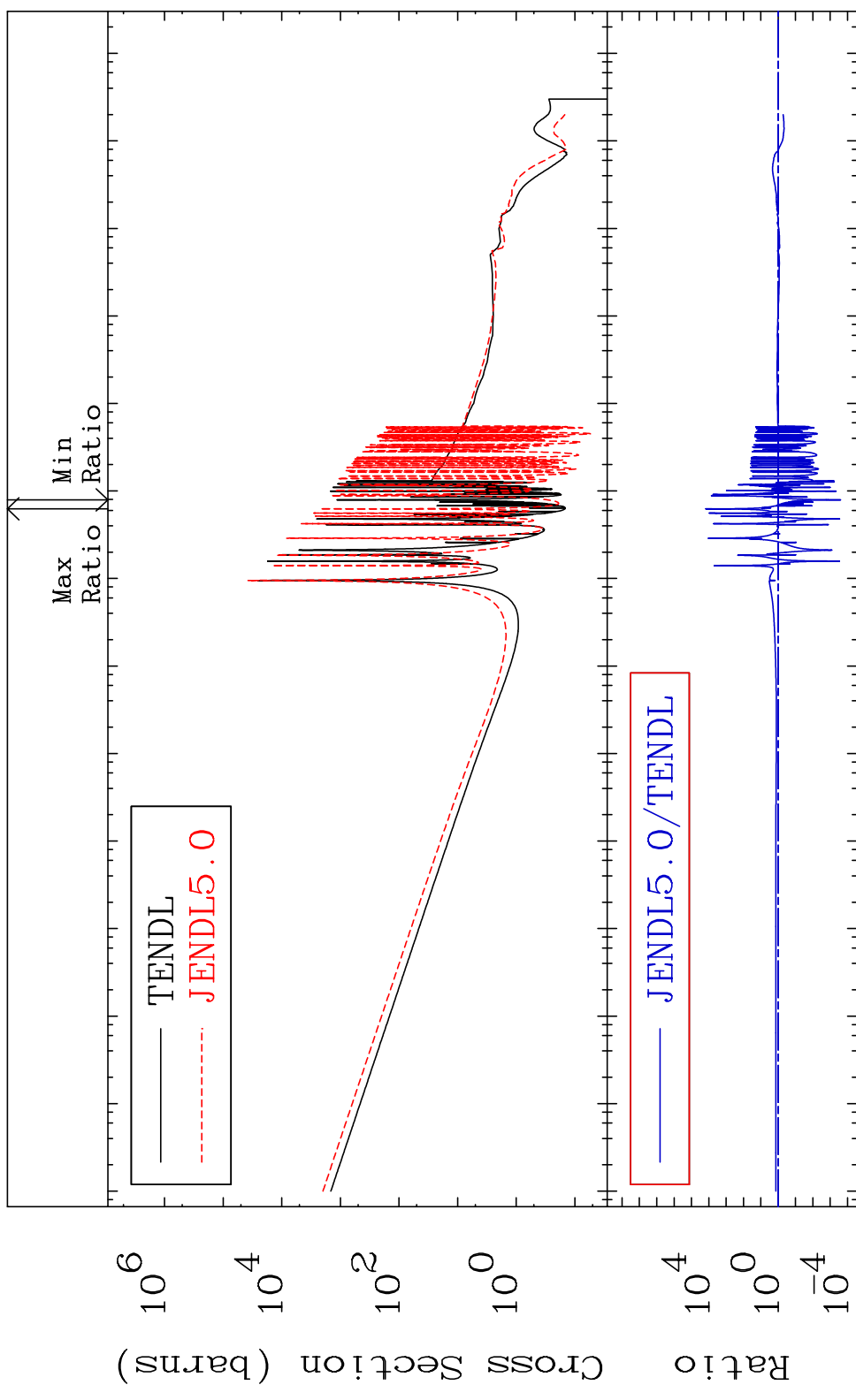
62-Sm-148

MAT 6237 Kerma fission (mt18 or mt19-20-21-38) ^{62}Sm -148
 Cross Section -9999. To 92.08 %



MAT 6237

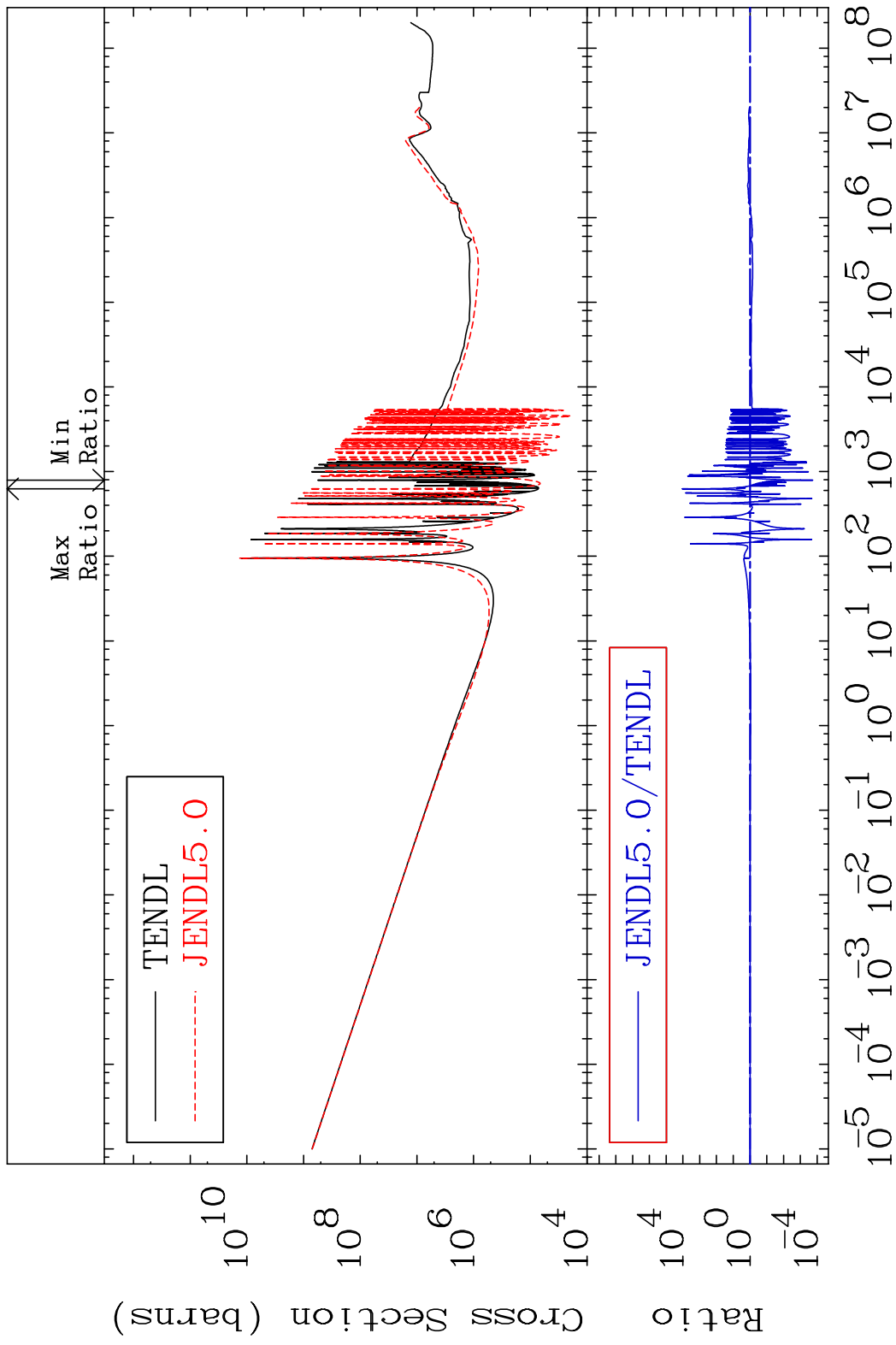
Kerma capture (mt102) 62-Sm-148
Cross Section -99.97 To 9999. %



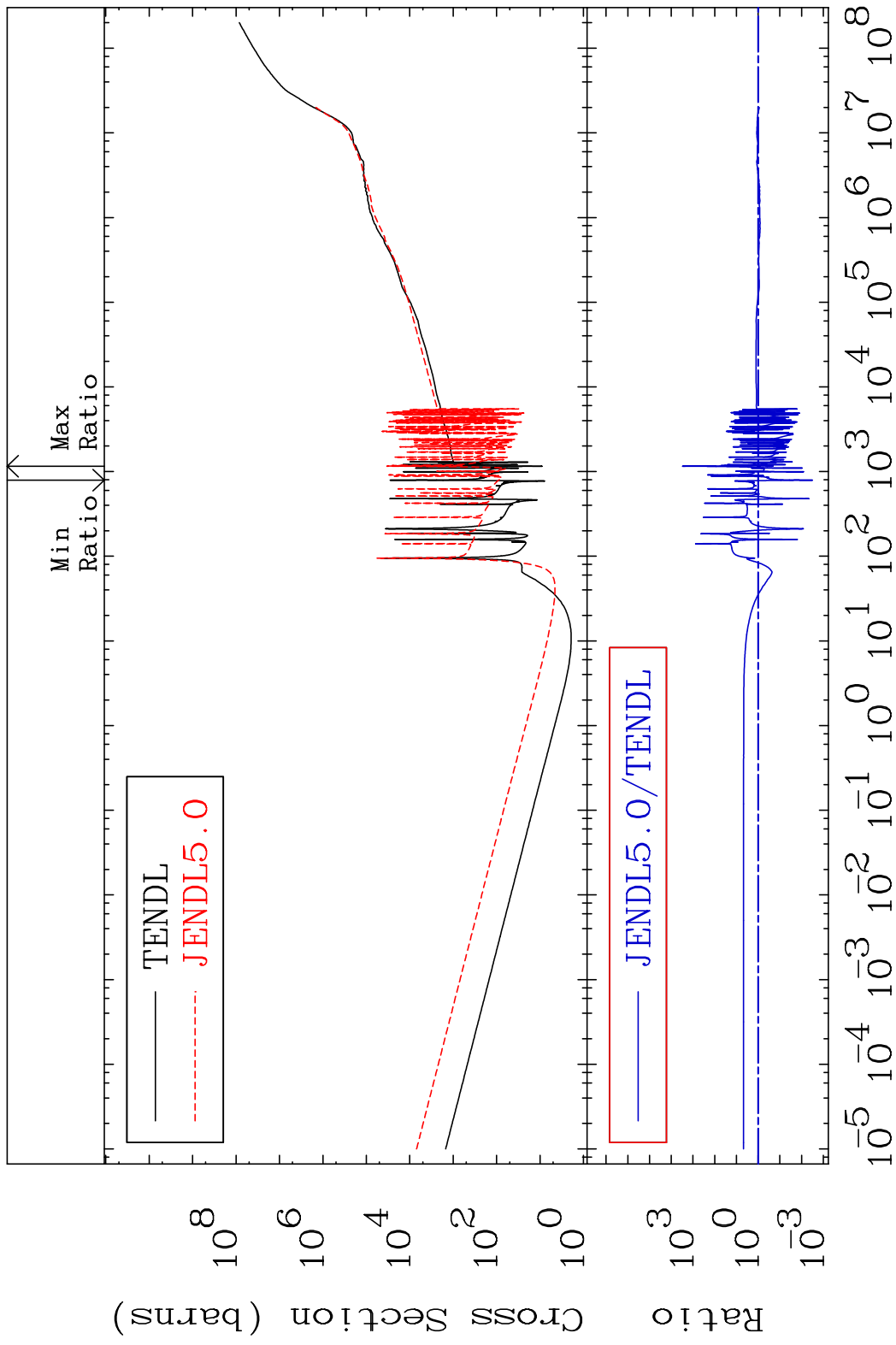
60

Incident Energy (eV) 62-Sm-148

MAT 6237 Total photon (eV-barns) 62-Sm-148
Cross Section -99.98 To 9999. %



MAT 6237 Total kinematic kerma (high limit) 62-Sm-148
 Cross Section -99.69 To 9999. %

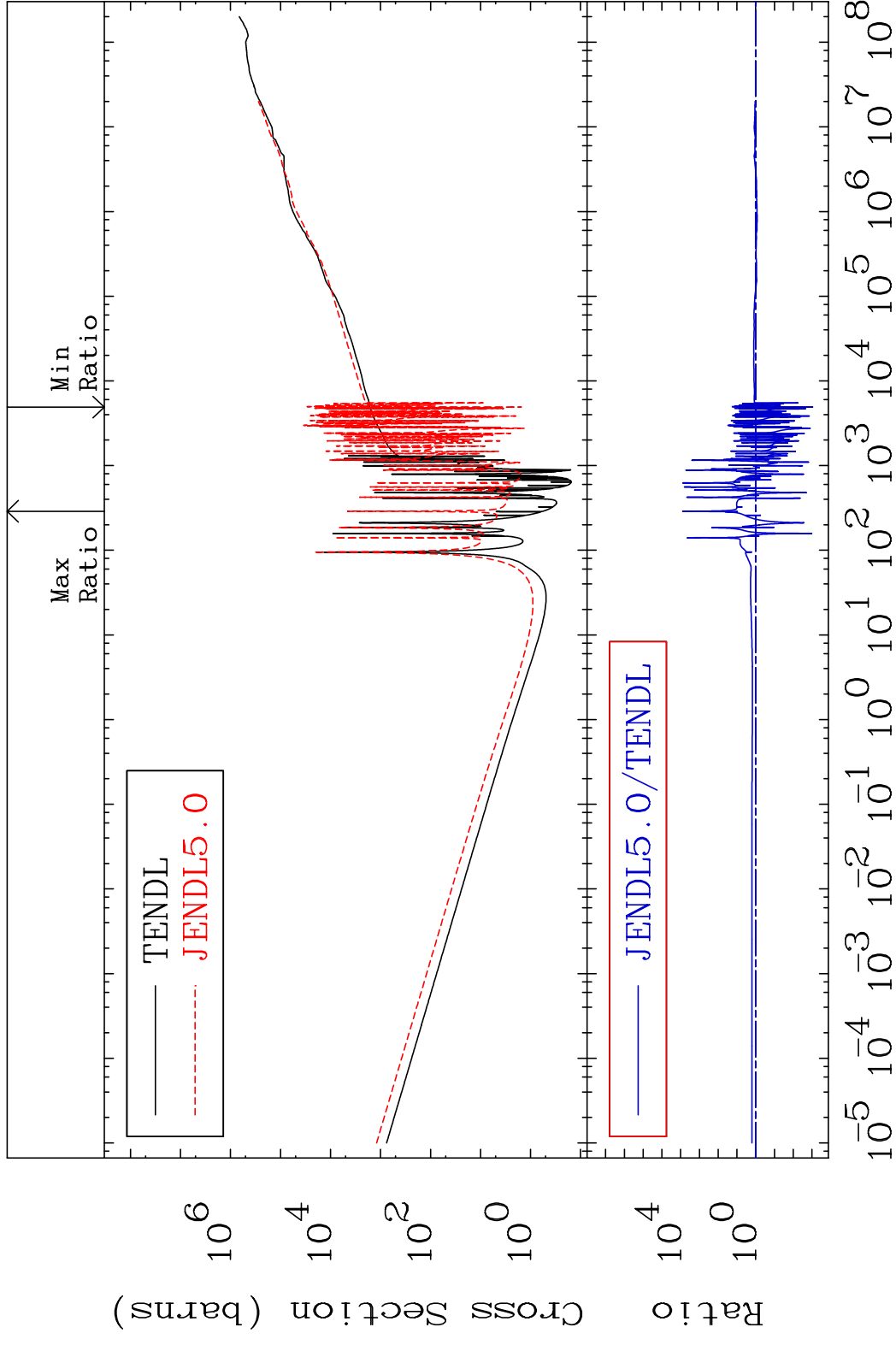


MAT 6237

Dpa total (eV-barns)

62-Sm-148

Cross Section -99.91 To 9999. %



63

Incident Energy (eV)

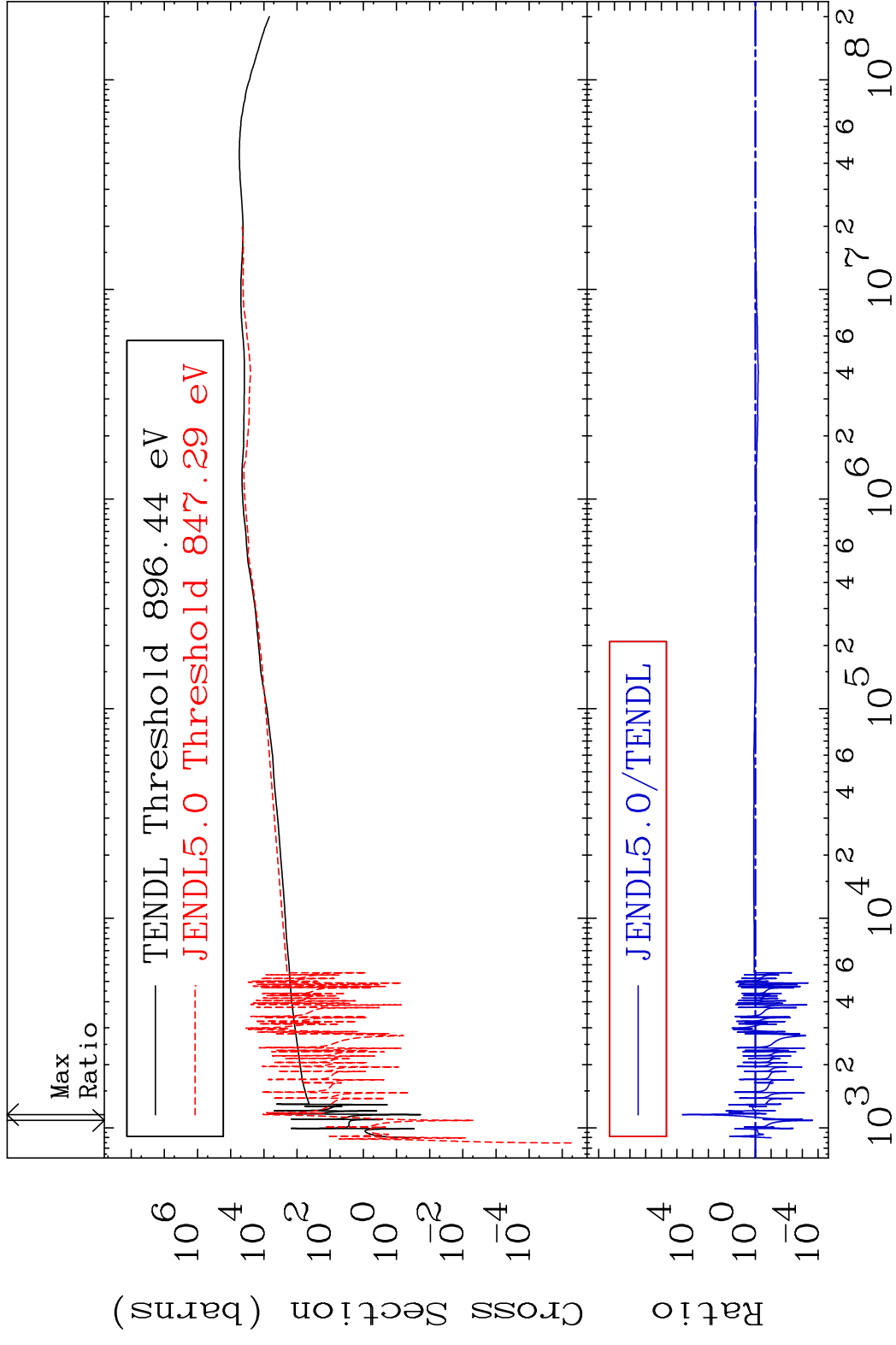
62-Sm-148

MAT 6237

Dpa elastic (mt2)

62-Sm-148

Cross Section -99.98 To 9999. %



64

Incident Energy (eV)

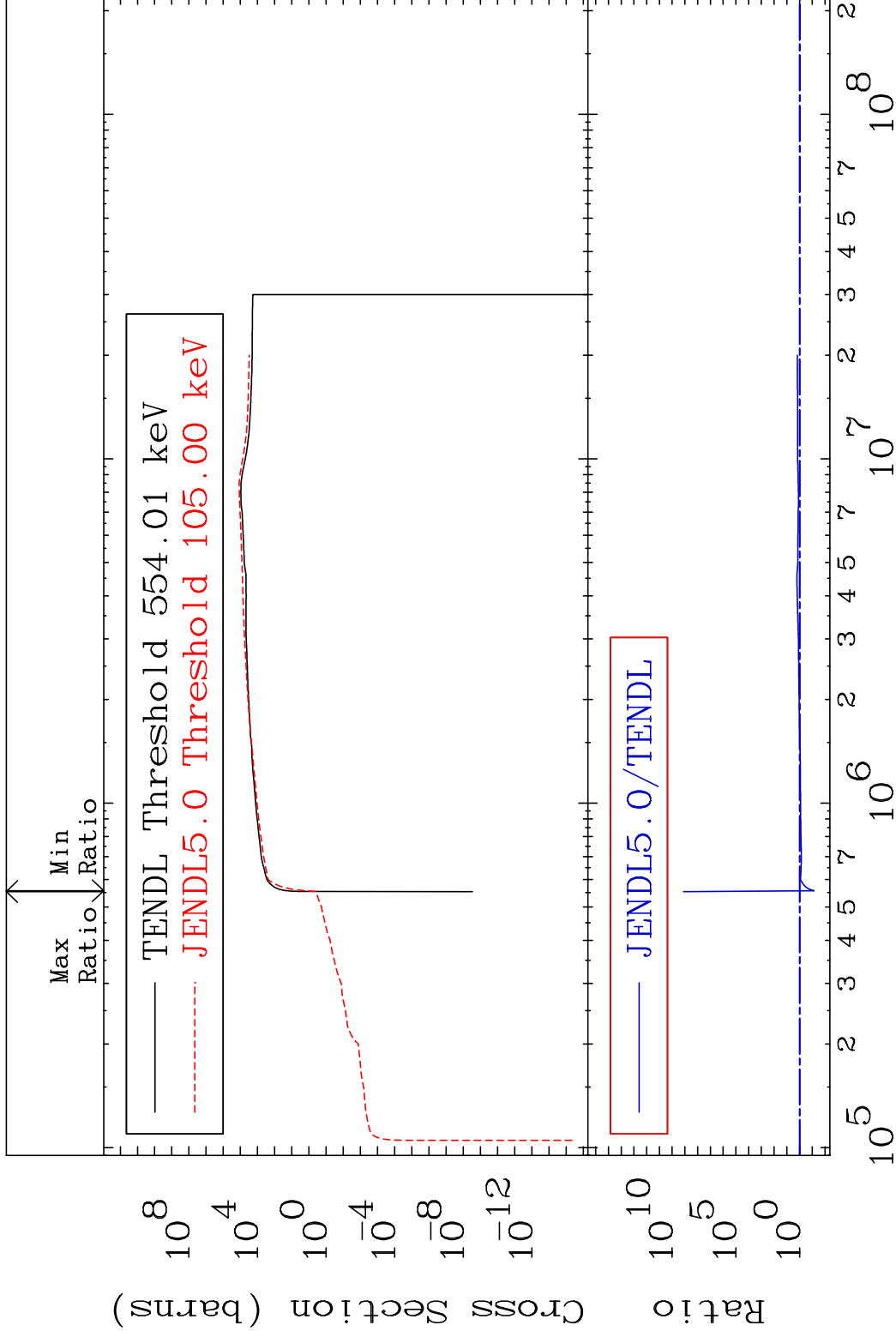
62-Sm-148

MAT 6237

Dpa inelastic (mt51-91)

62-Sm-148

Cross Section -92.66 To 9999. %

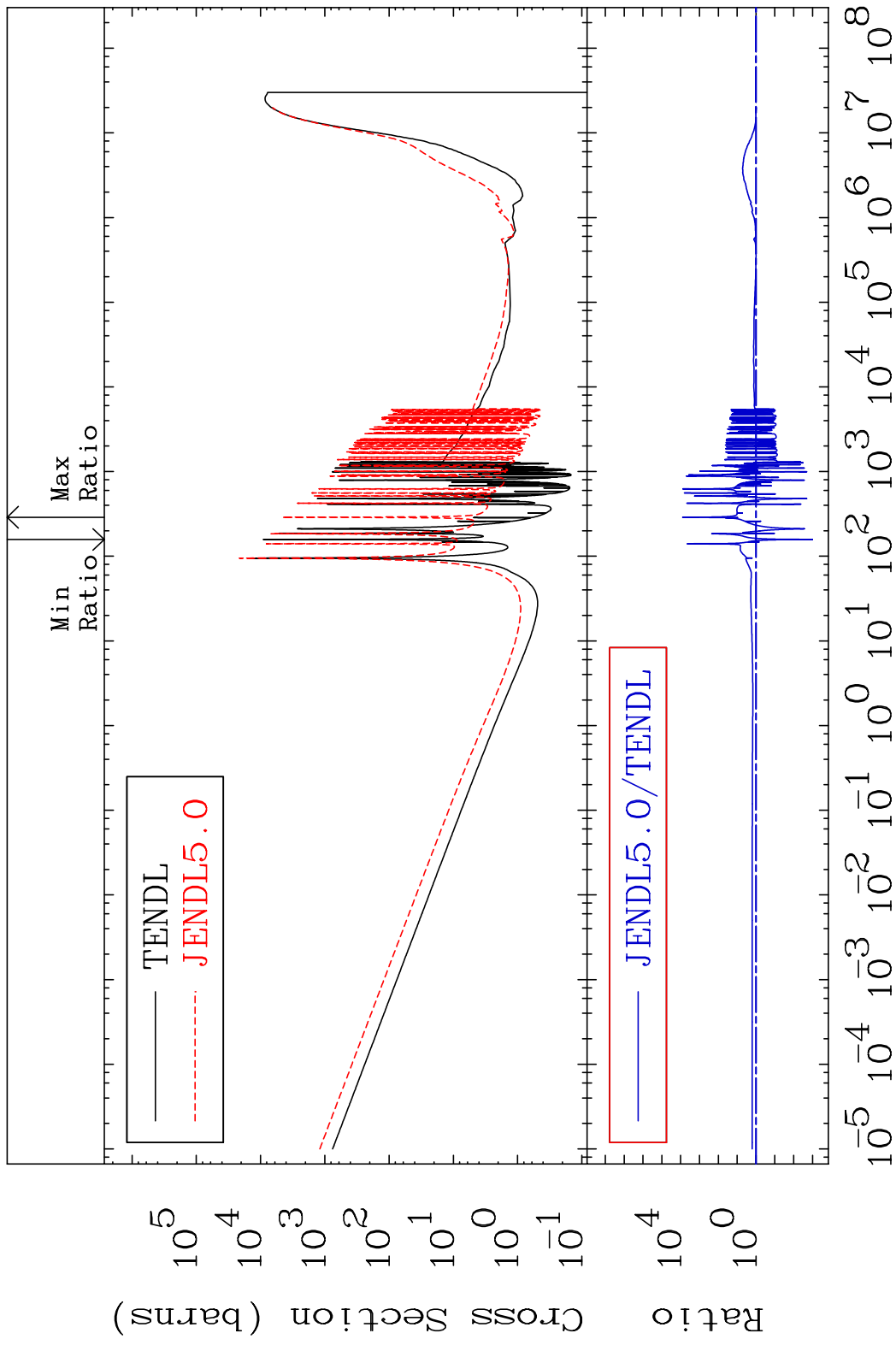


65

Incident Energy (eV)

62-Sm-148

MAT 6237 Dpa disappearance (mt102 -120) 62-Sm-148
 Cross Section -99.90 To 9999. %



66 Incident Energy (eV) 62-Sm-148

MAT 6237 (n,p):61-Pm-148 62-Sm-148
 Radionuclide Production Cross Section Ratio 9999. %

