

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

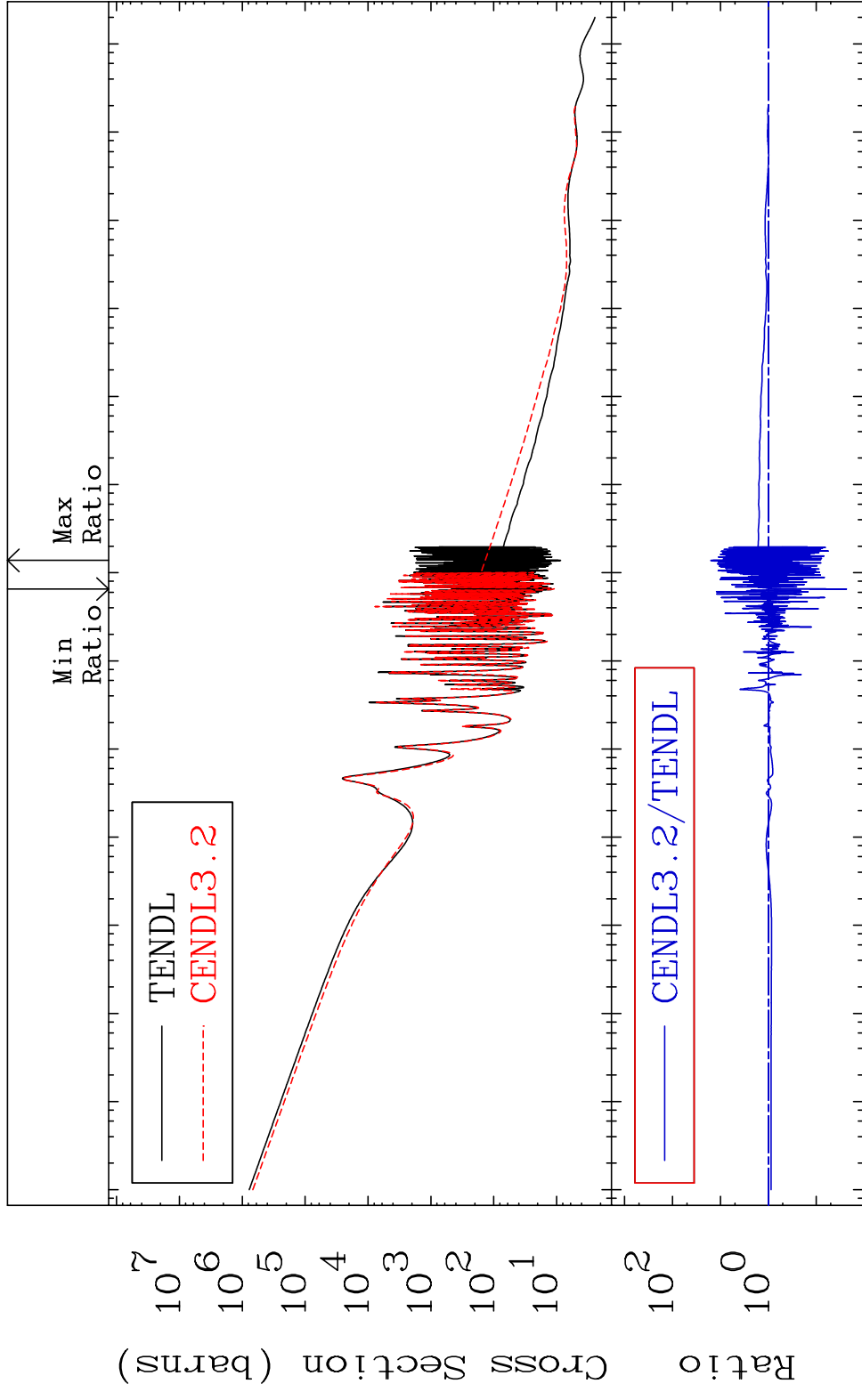
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6325

Total Cross Section -97.64 To 1497. %
63-Eu-151

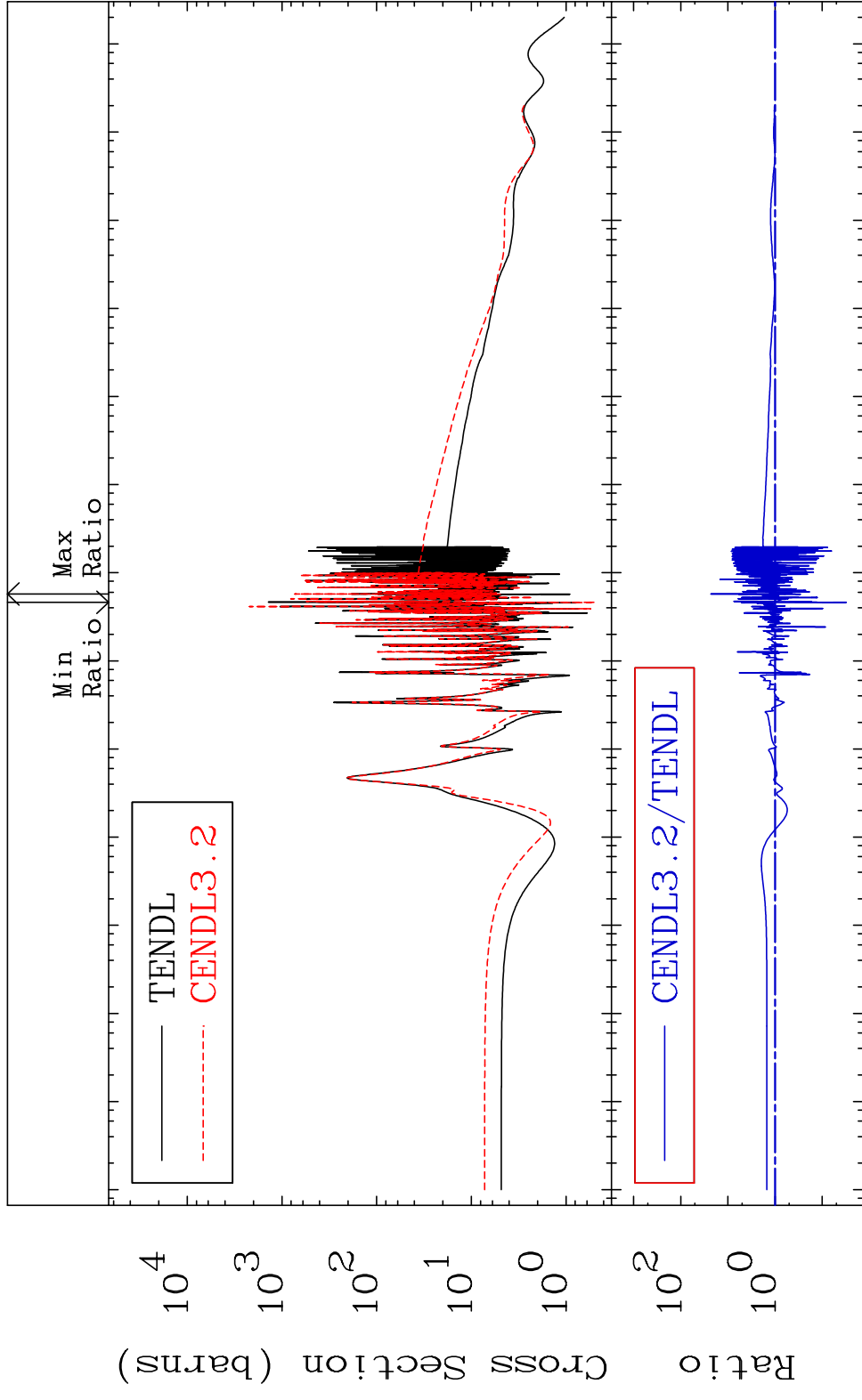


Ratio
Cross Section (barns)
Incident Energy (eV)

1 63-Eu-151

MAT 6325

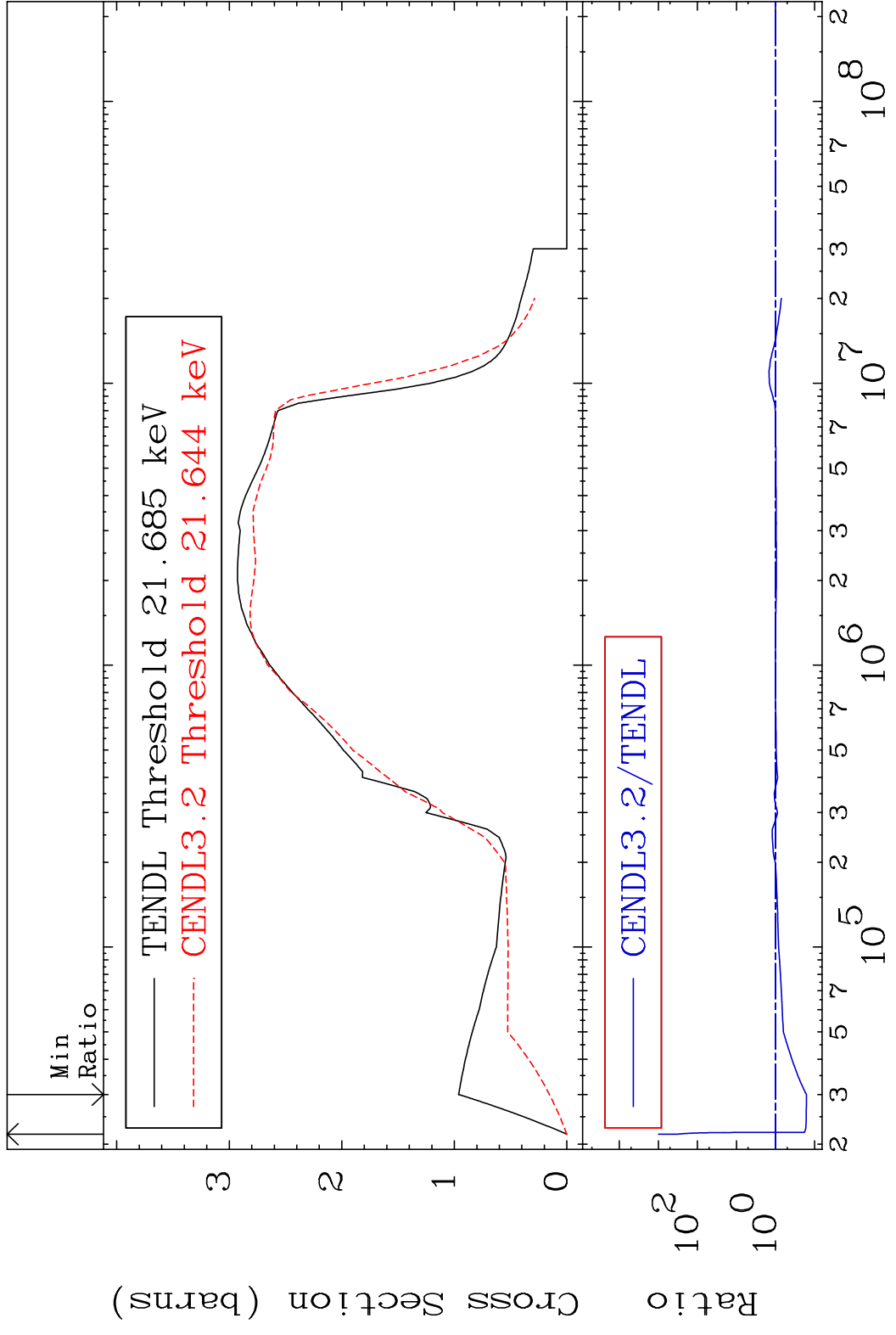
Elastic Cross Section -96.92 To 2216. % 63-Eu-151



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

2 Incident Energy (eV) 63-Eu-151

MAT 6325 Inelastic 63-Eu-151
 Cross Section -83.88 To 9999. %



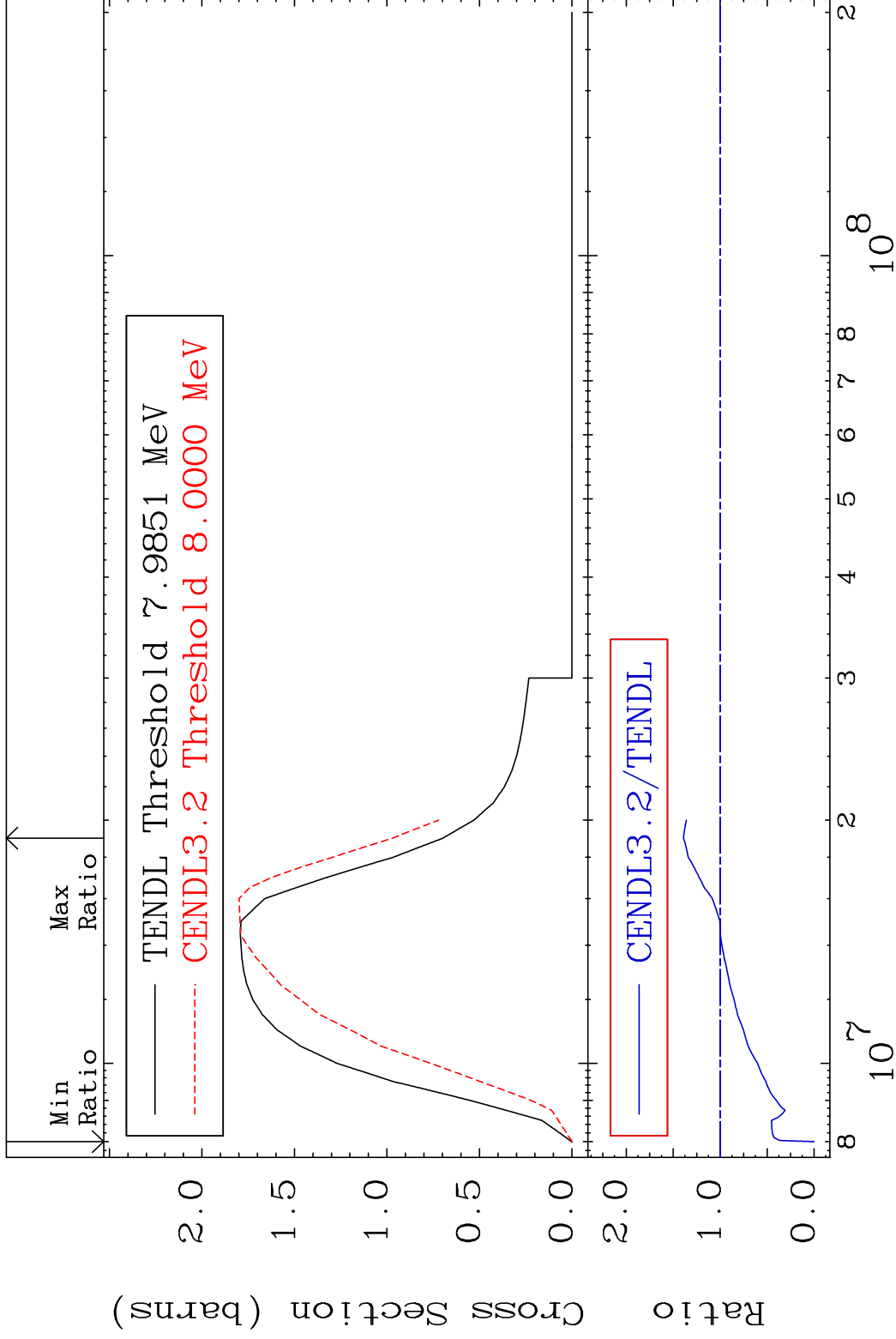
3 Incident Energy (eV) 63-Eu-151

MAT 6325

(n,2n)

63-Eu-151

Cross Section -100.0 To 39.09 %



4

Incident Energy (eV)

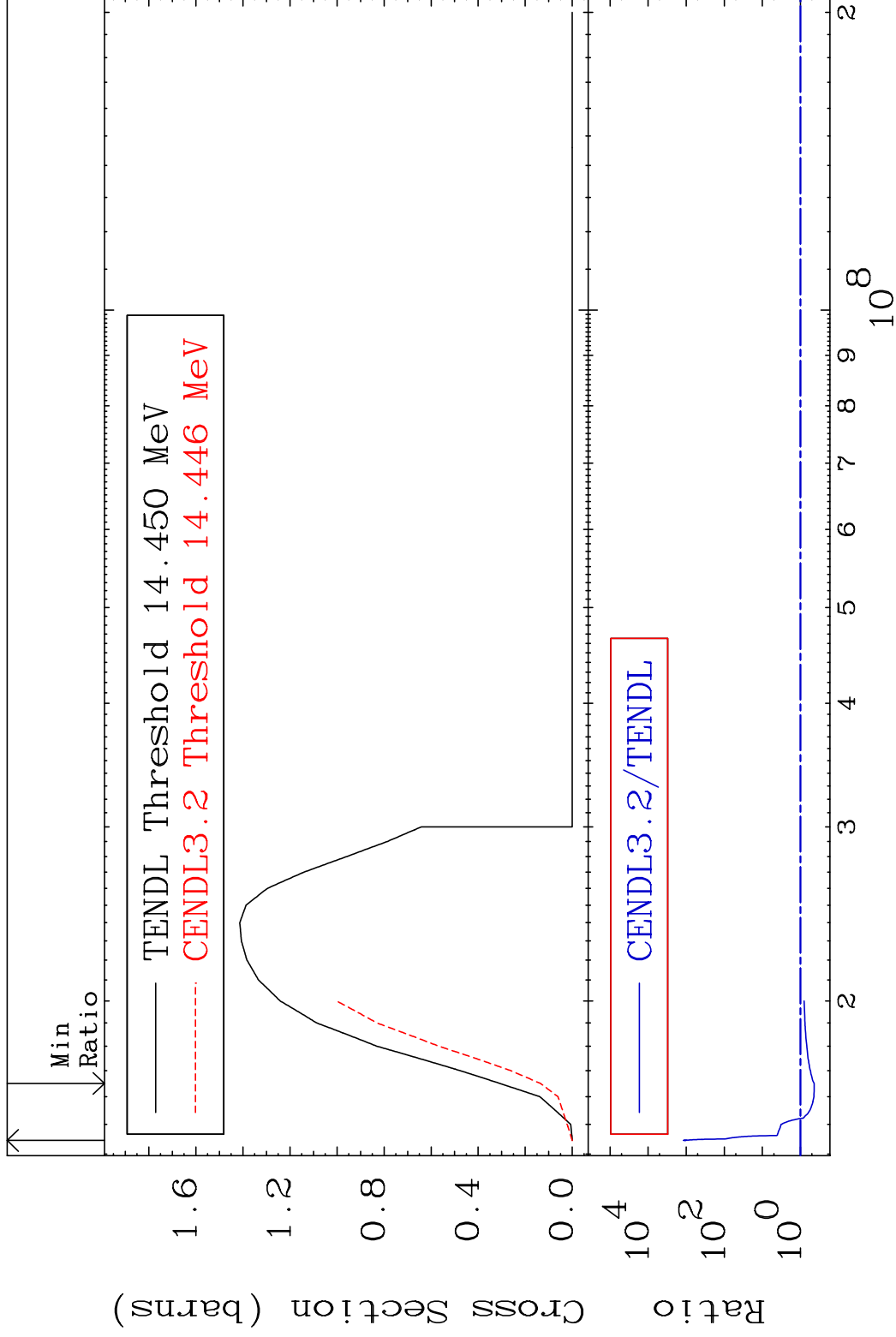
63-Eu-151

MAT 6325

(n,3n)

63-Eu-151

Cross Section -56.09 To 9999. %



5

Incident Energy (eV)

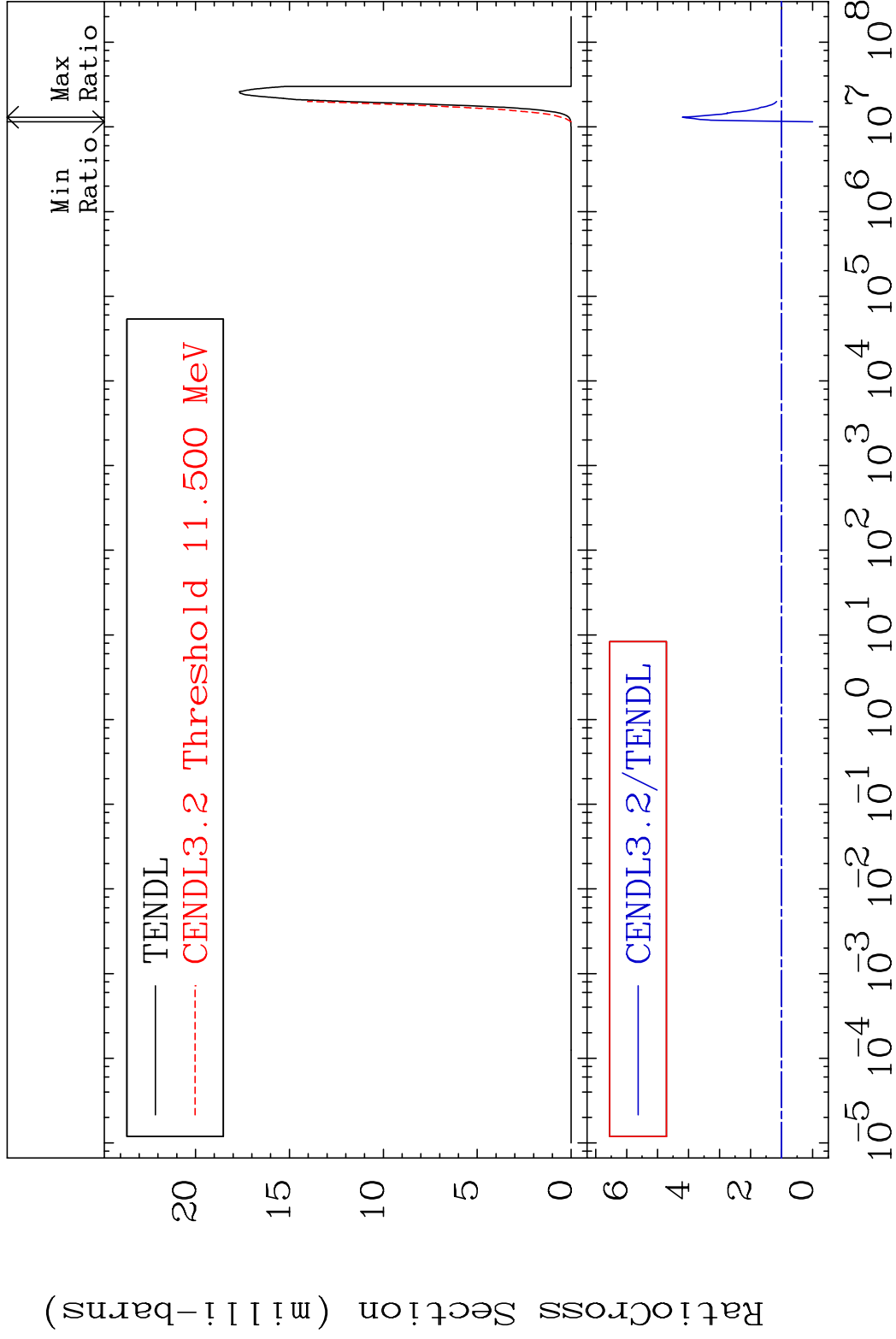
63-Eu-151

MAT 6325

(n, n') α

63-Eu-151

Cross Section -100.0 To 320.2 %

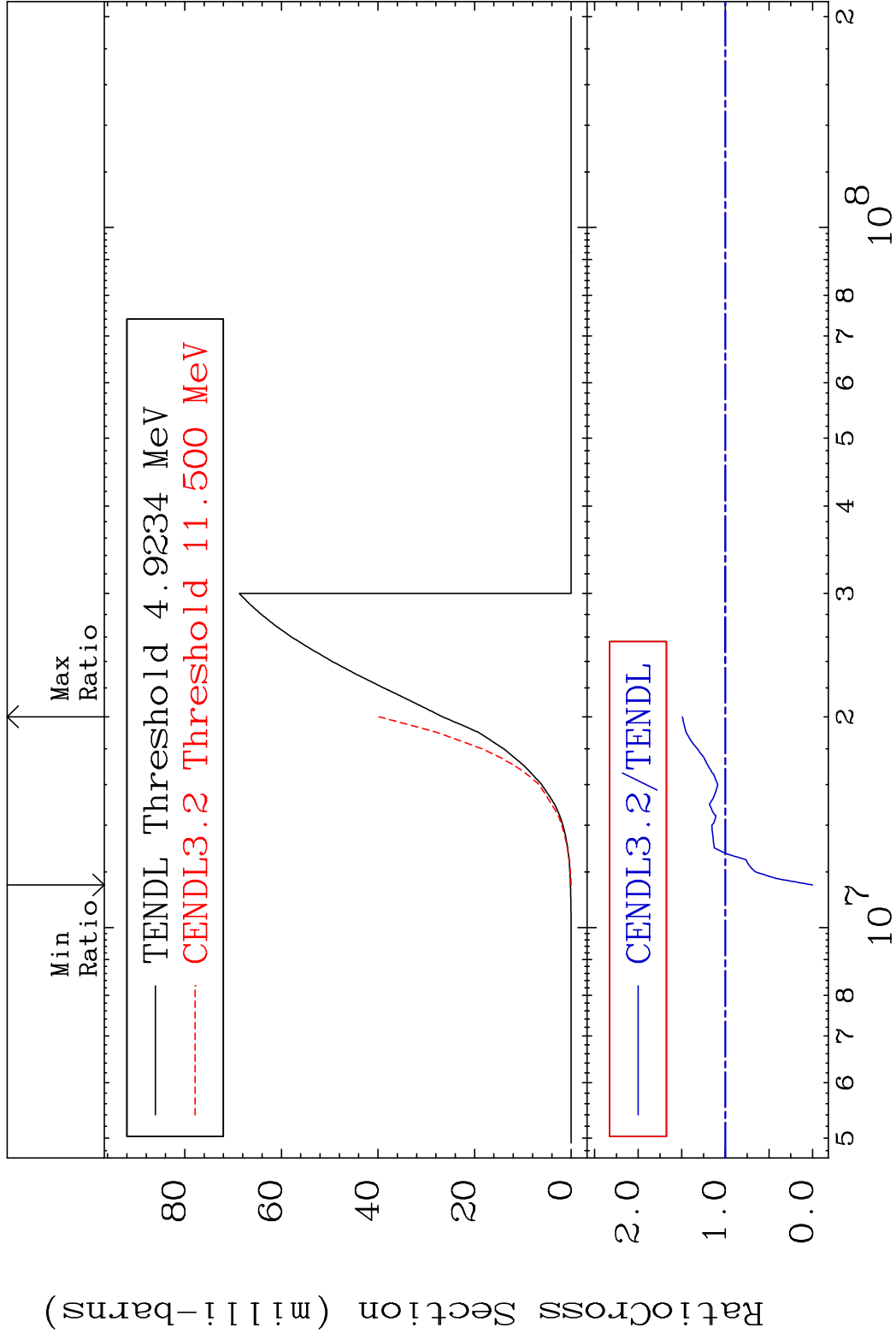


MAT 6325

(n, n') p

63-Eu-151

Cross Section -100.0 To 49.34 %

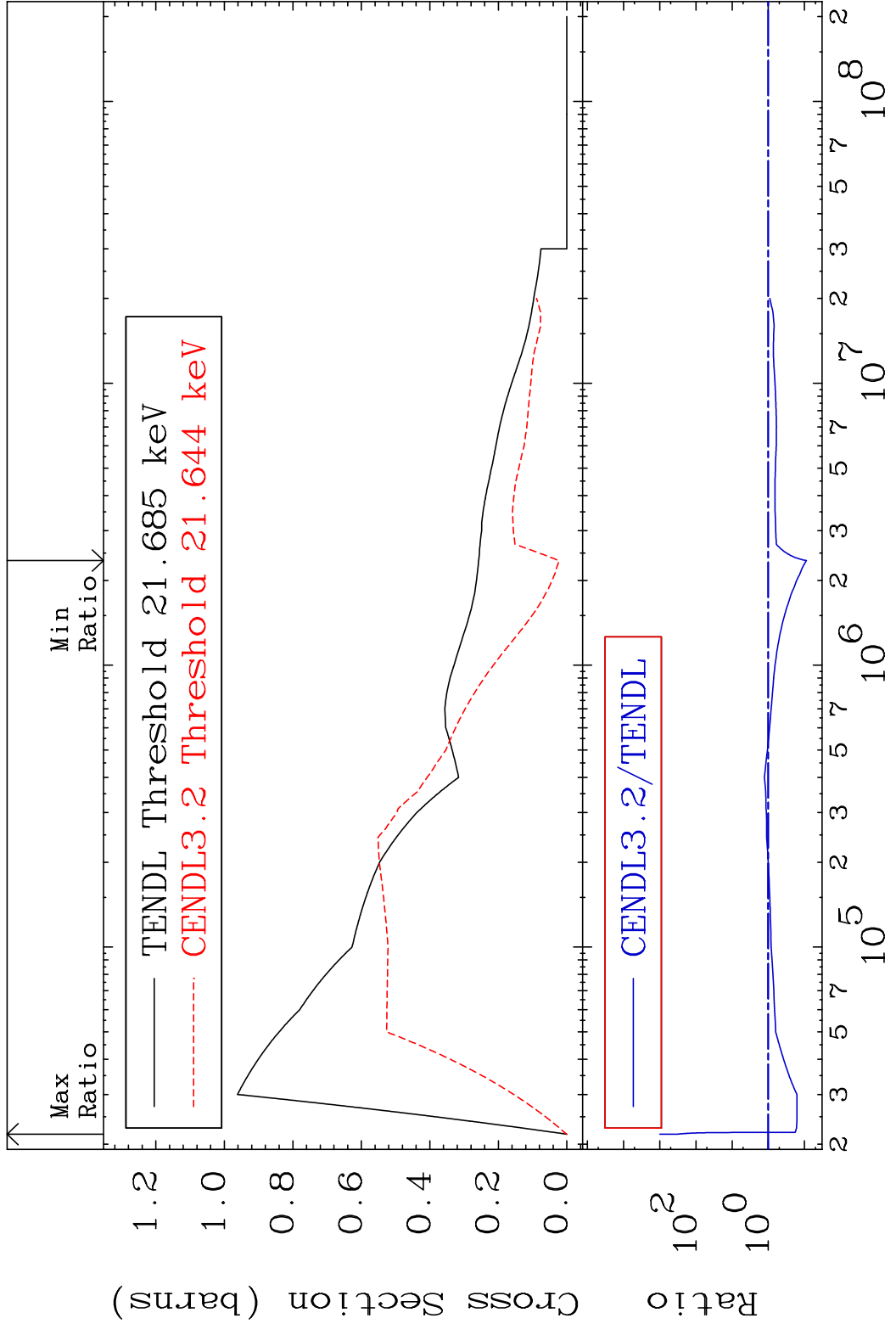


7

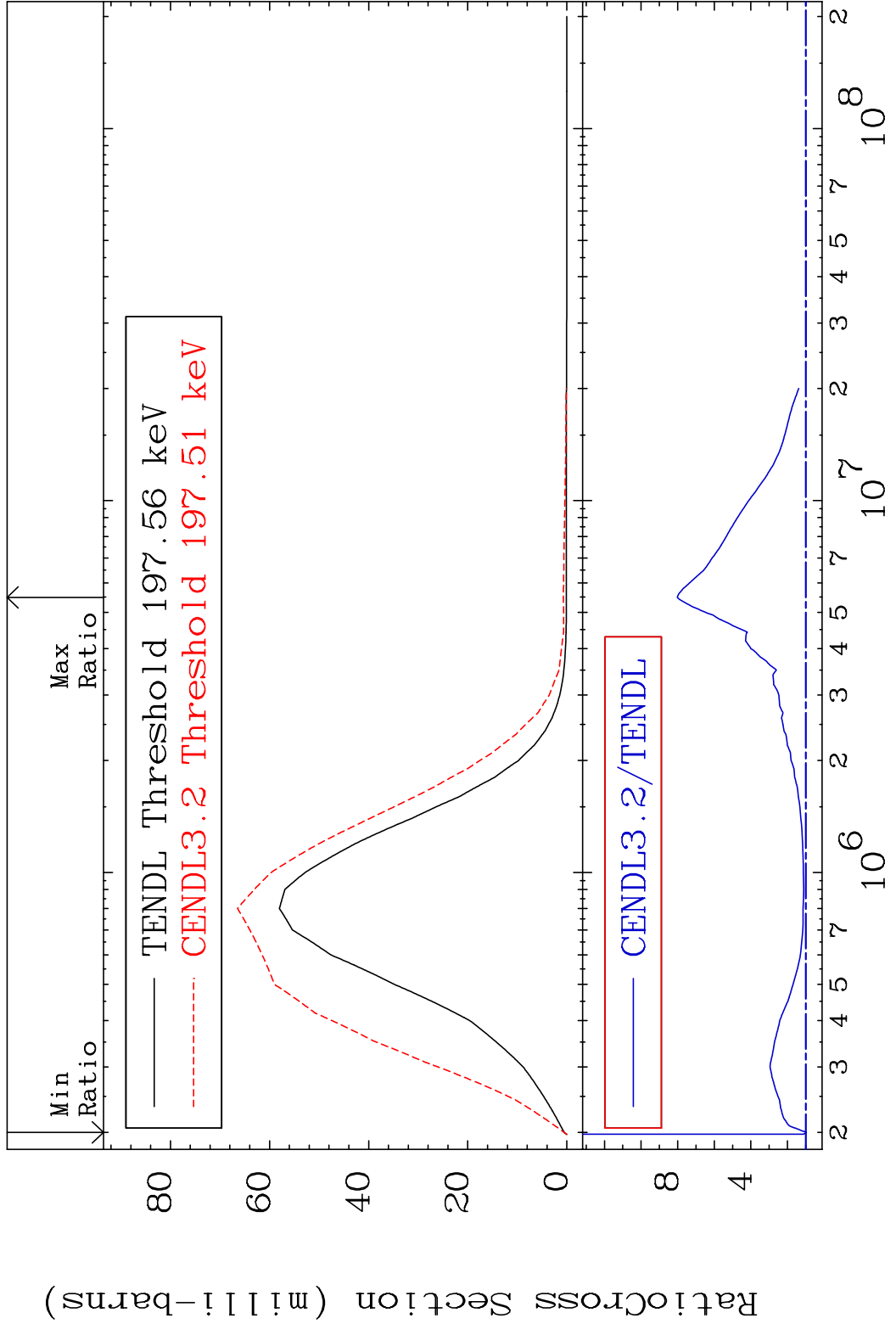
Incident Energy (eV)

63-Eu-151

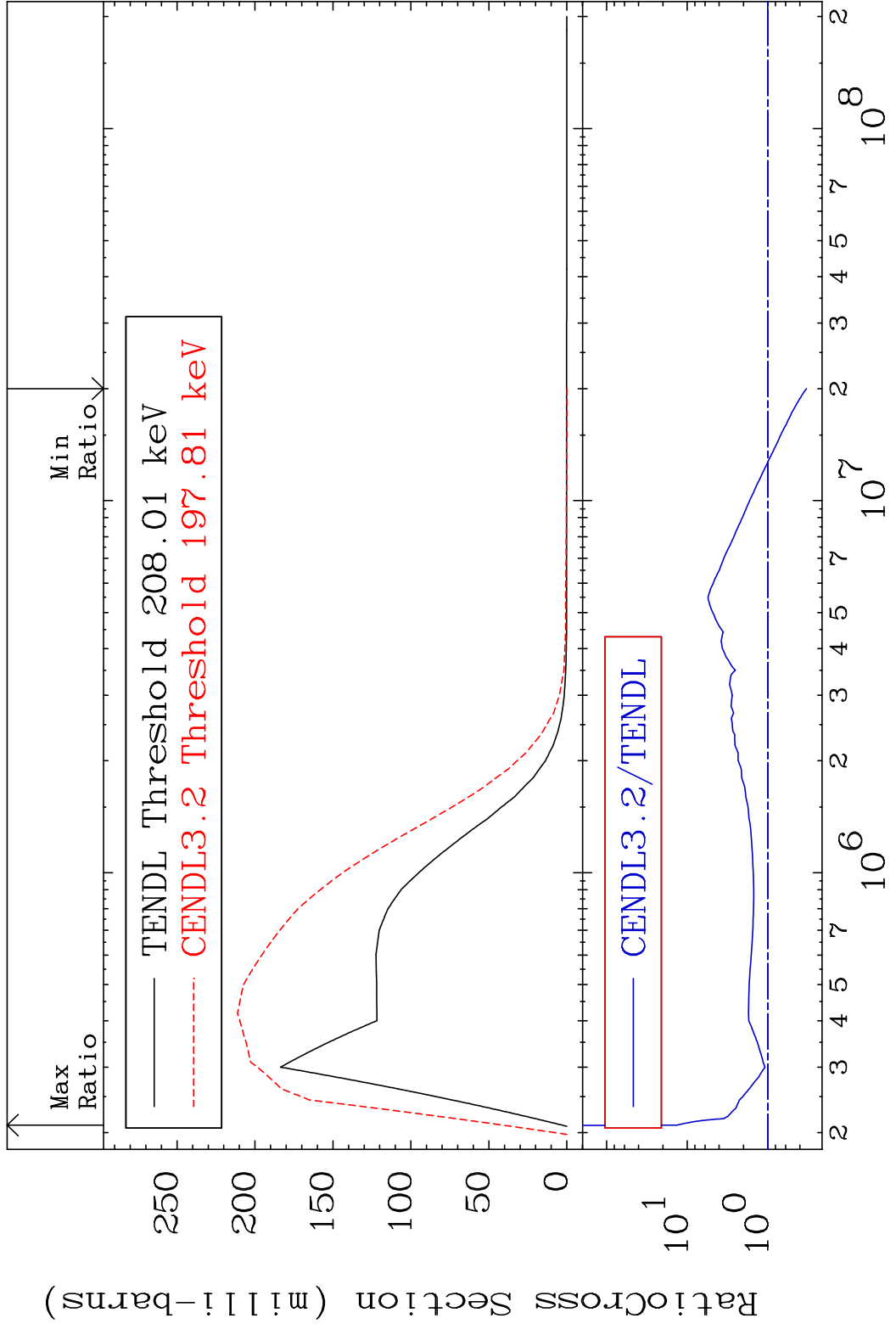
MAT 6325 MT= 51 (n, n') Level 63-Eu-151
 Cross Section -91.13 To 9999. %



MAT 6325 MT= 52 (n, n') Level 63-Eu-151
 Cross Section -3.534 To 702.7 %

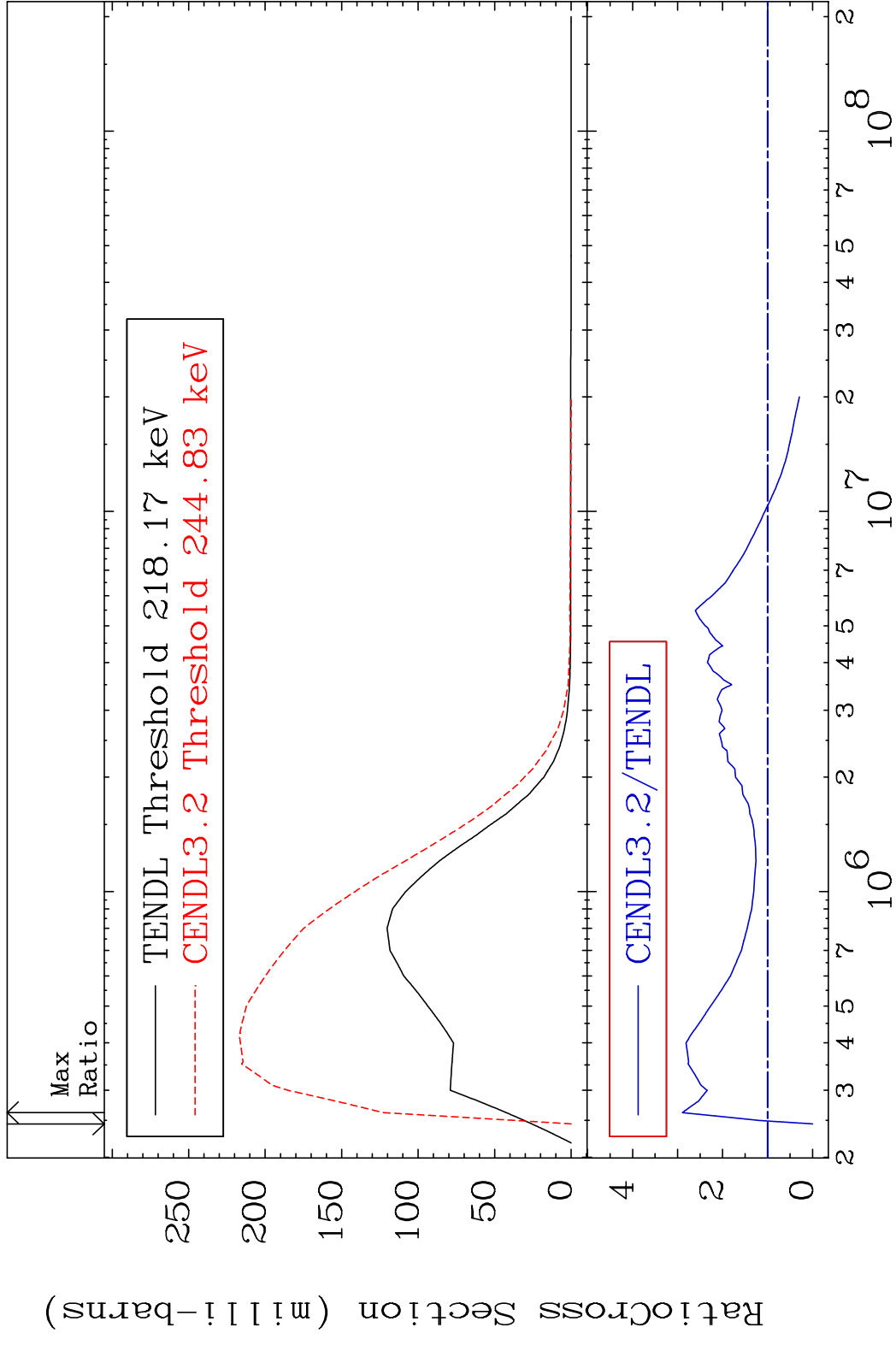


MAT 6325 MT= 53 (n, n') Level 63-Eu-151
 Cross Section -66.90 To 1228. %

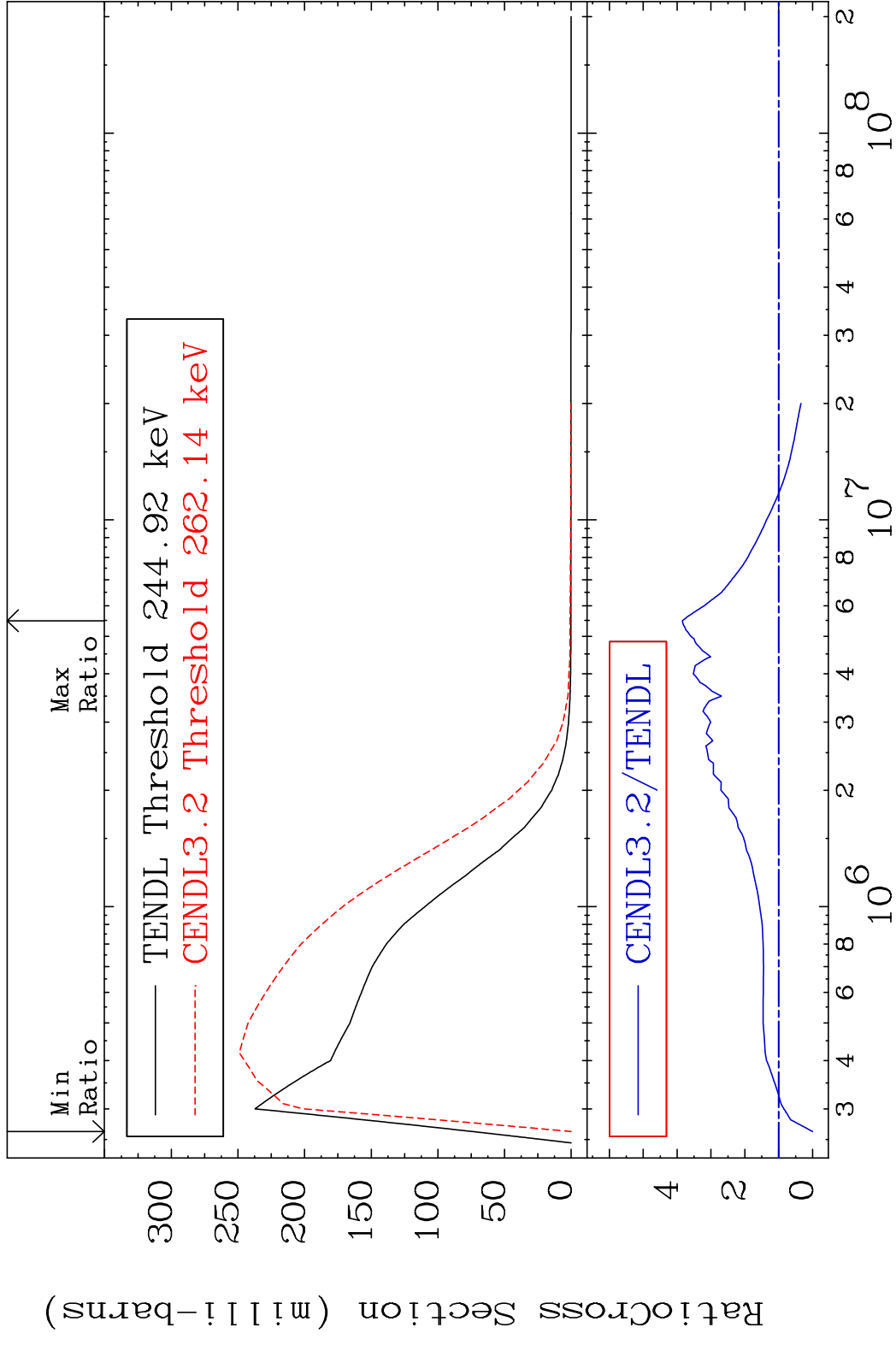


10 Incident Energy (eV) 63-Eu-151

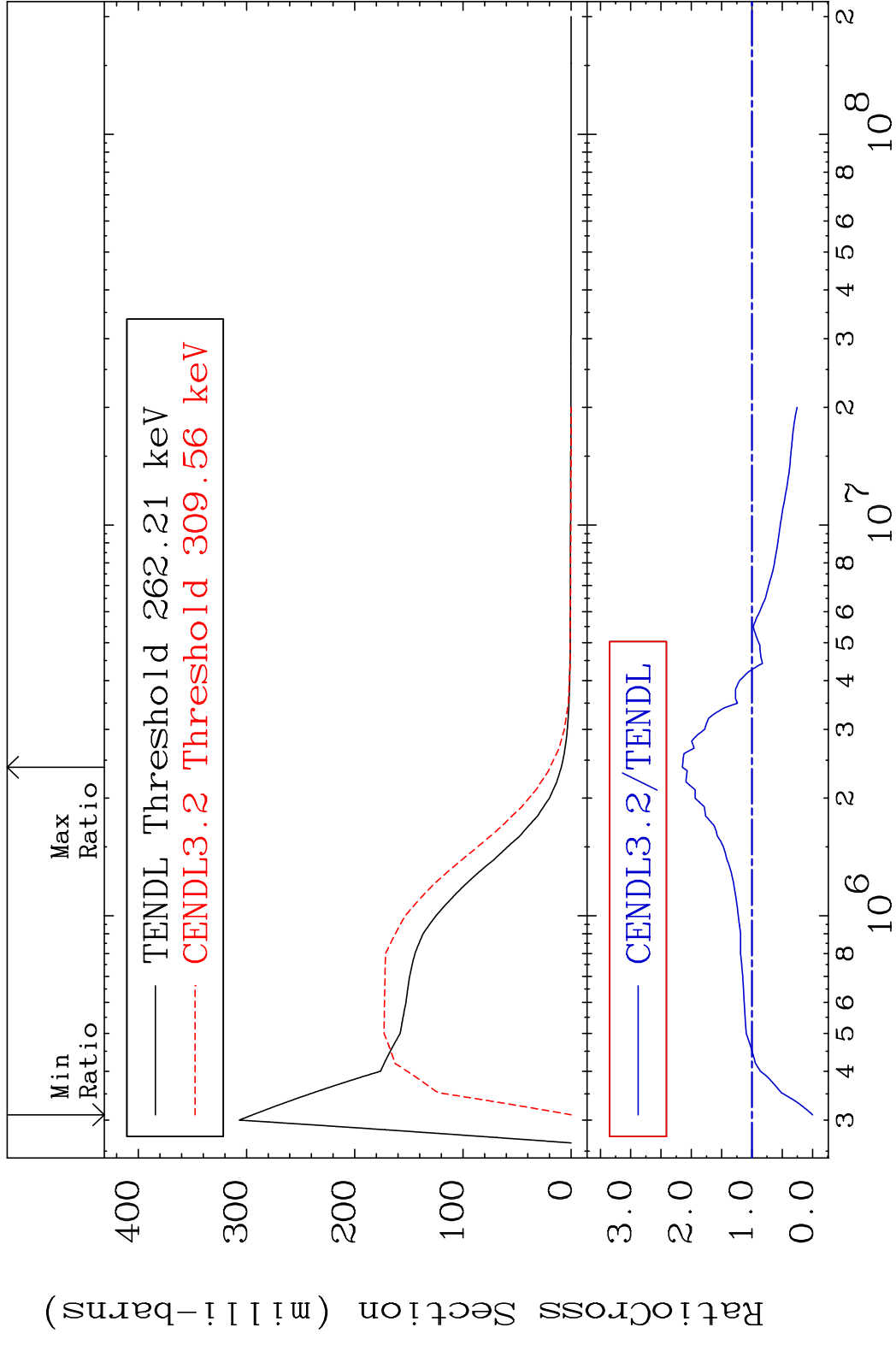
MAT 6325 MT= 54 (n,n') Level 63-Eu-151
 Cross Section -100.0 To 189.4 %



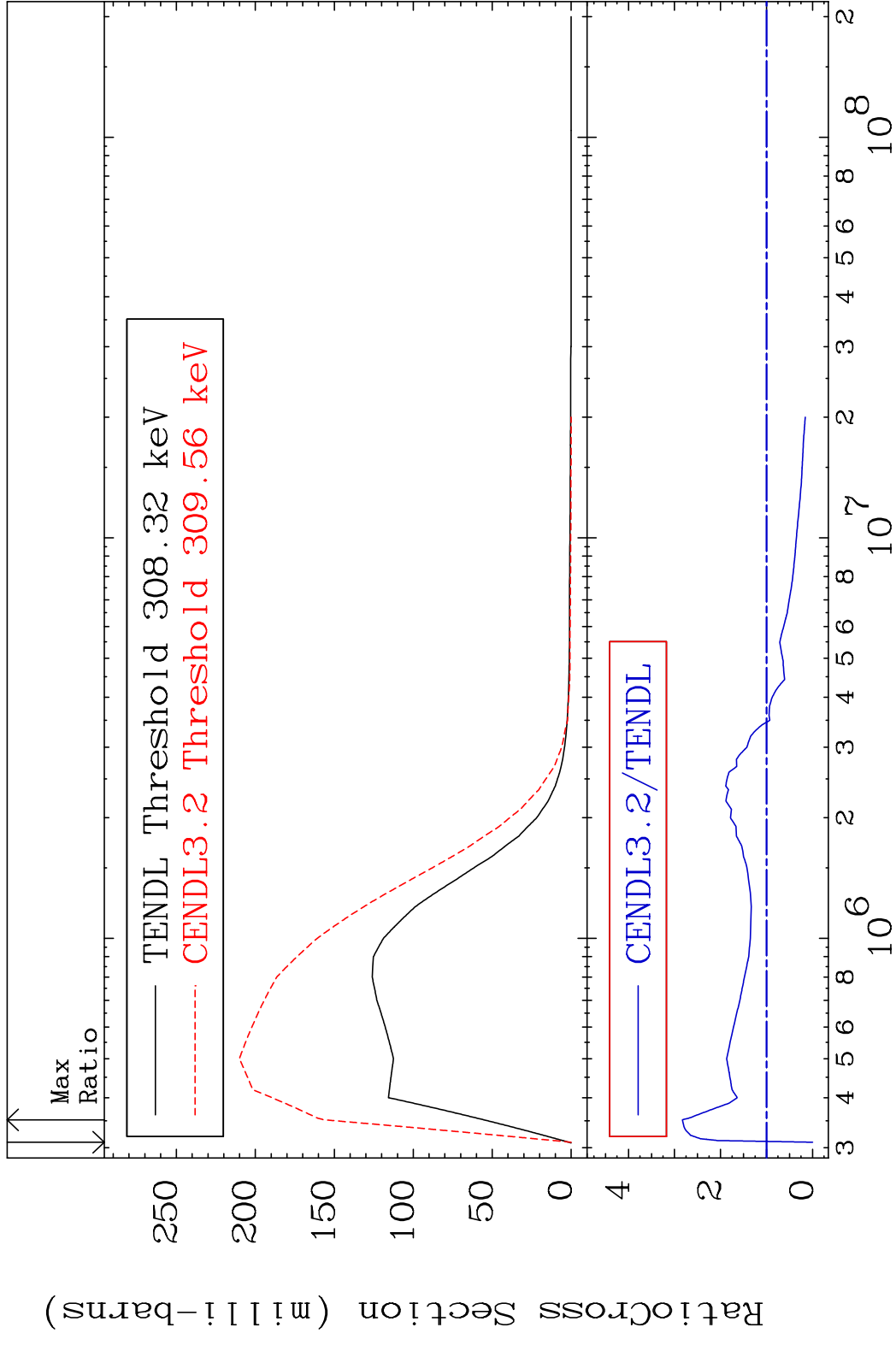
MAT 6325 MT= 55 (n, n') Level 63-Eu-151
 Cross Section -100.0 To 284.5 %



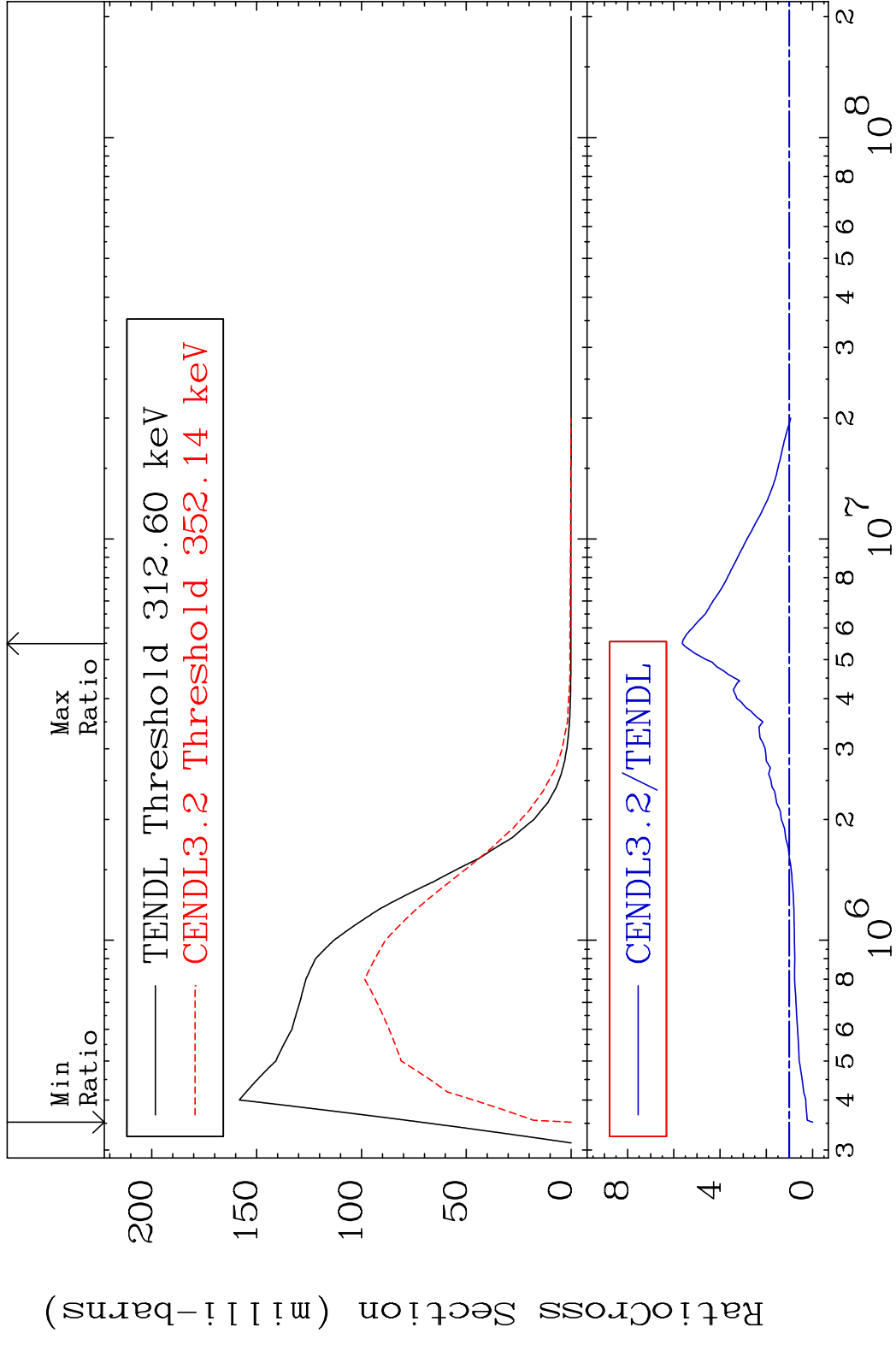
MAT 6325 MT= 56 (n,n') Level 63-Eu-151
 Cross Section -100.0 To 114.8 %



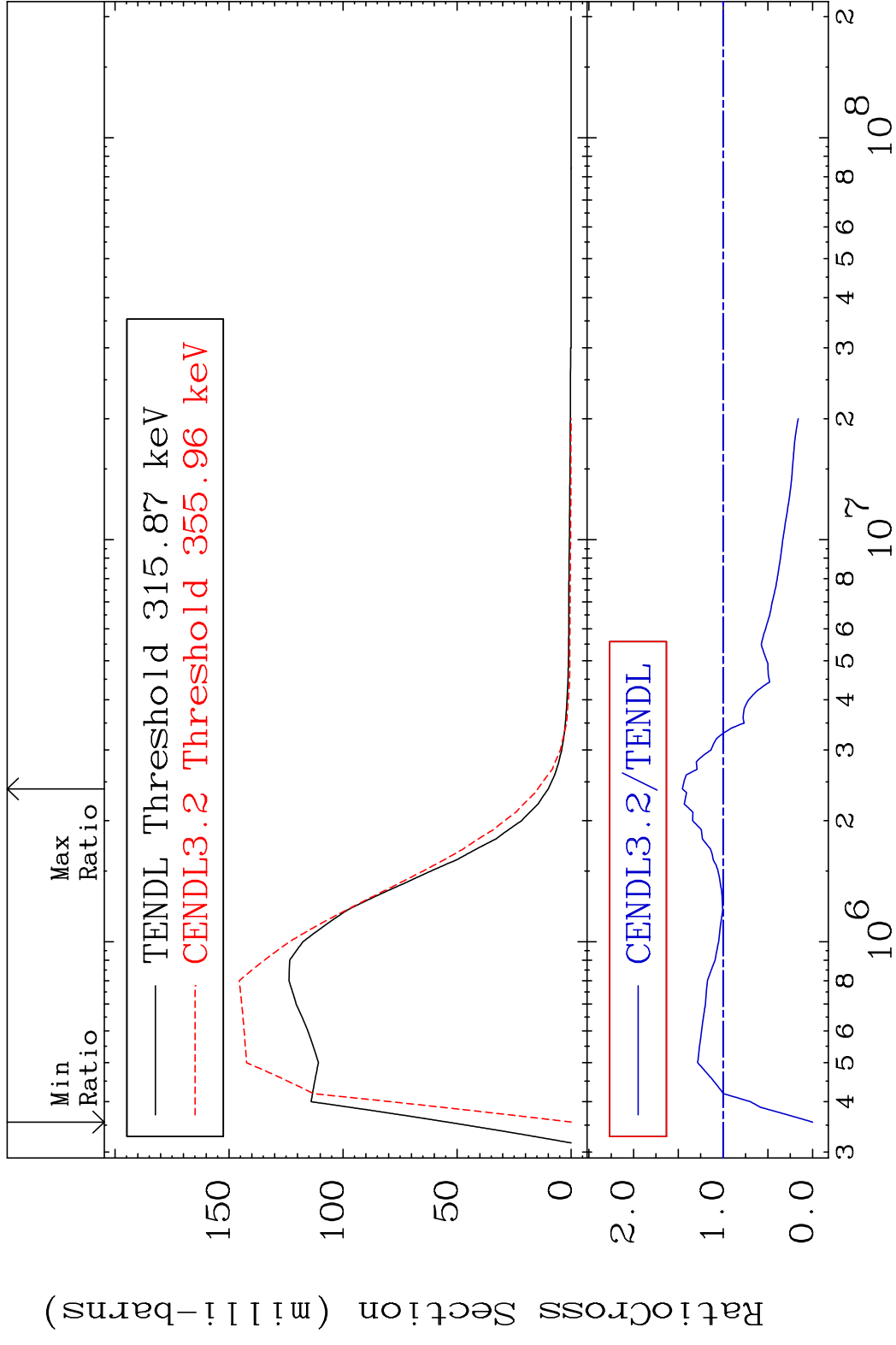
MAT 6325 MT= 57 (n,n') Level 63-Eu-151
 Cross Section -100.0 To 183.0 %



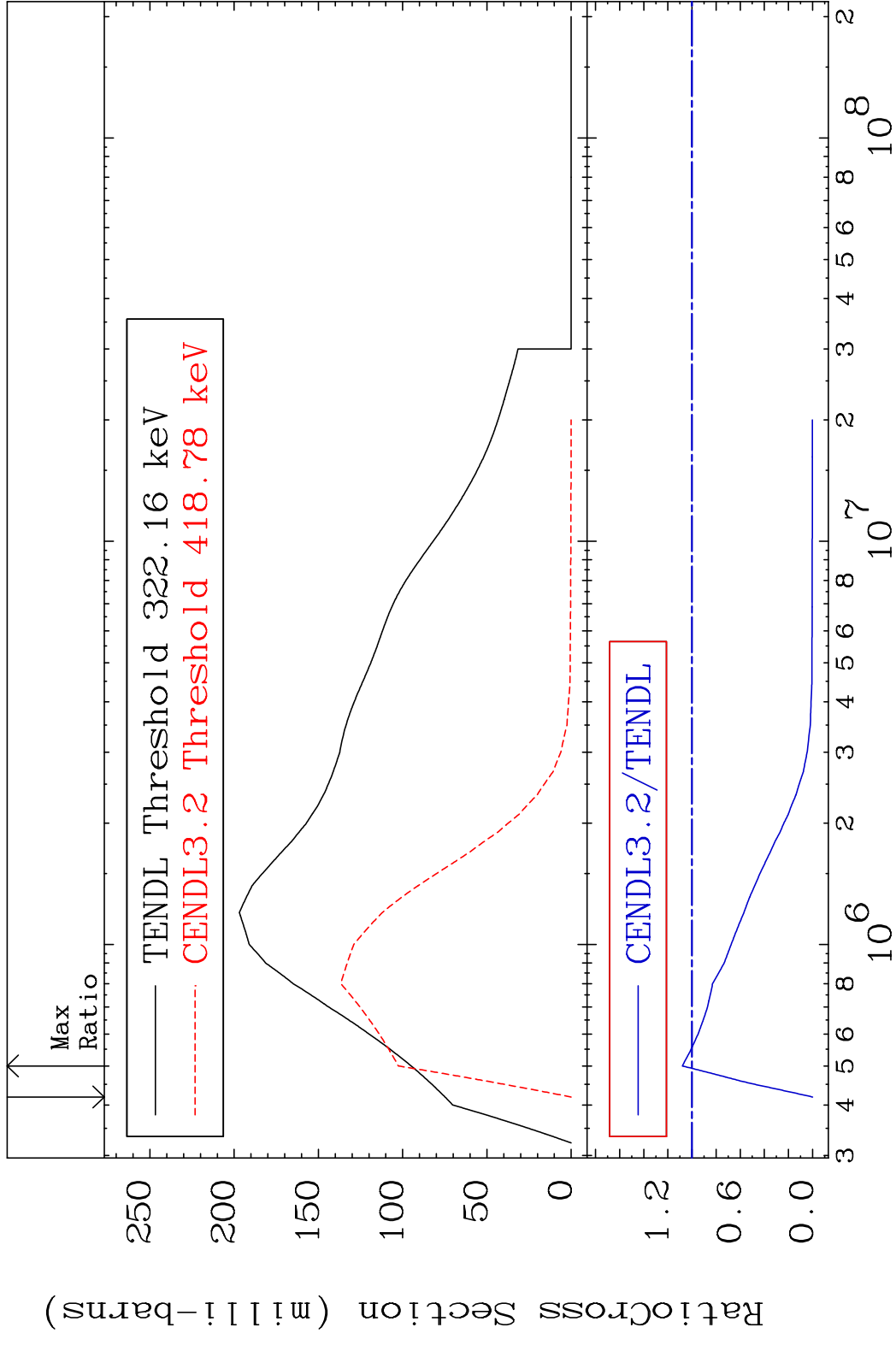
MAT 6325 MT= 58 (n, n') Level 63-Eu-151
 Cross Section -100.0 To 463.1 %



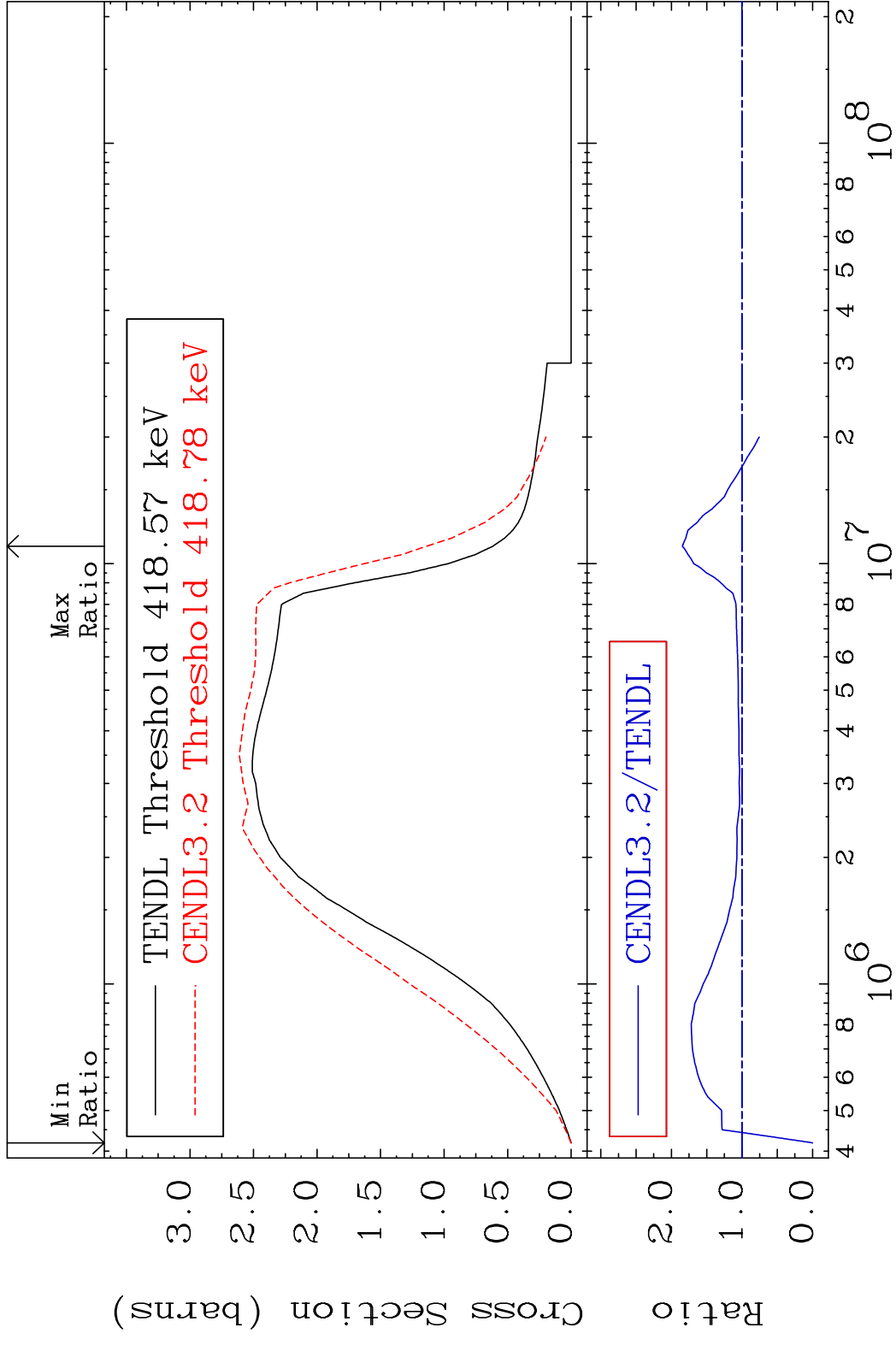
MAT 6325 MT= 59 (n,n') Level 63-Eu-151
 Cross Section -100.0 To 45.55 %



MAT 6325 MT= 60 (n, n') Level 63-Eu-151
 Cross Section -100.0 To 7.997 %



MAT 6325 (n, n') Continuum 63-Eu-151
 Cross Section -100.0 To 84.49 %

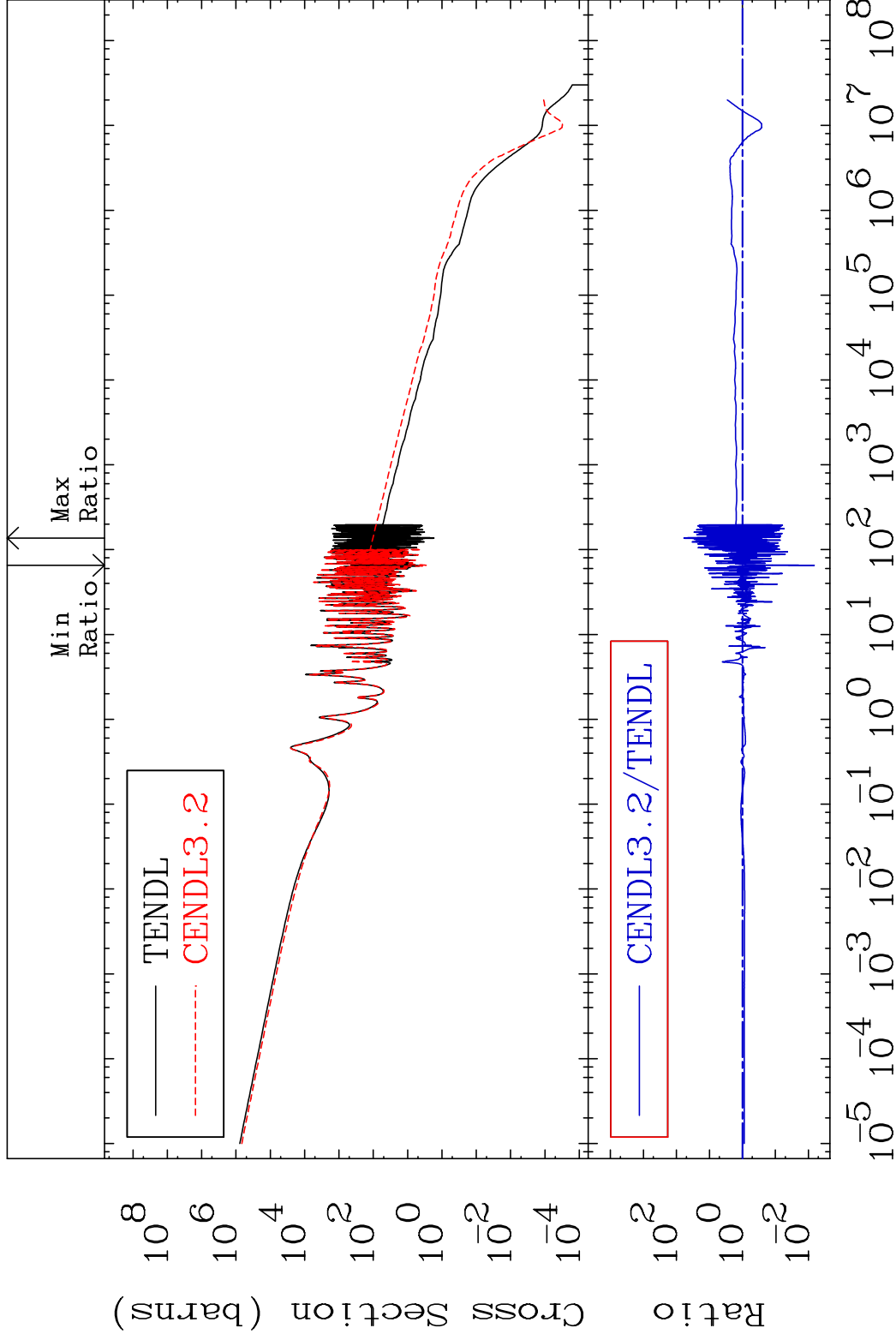


MAT 6325

(n, γ)

63-Eu-151

Cross Section -99.33 To 5931. %

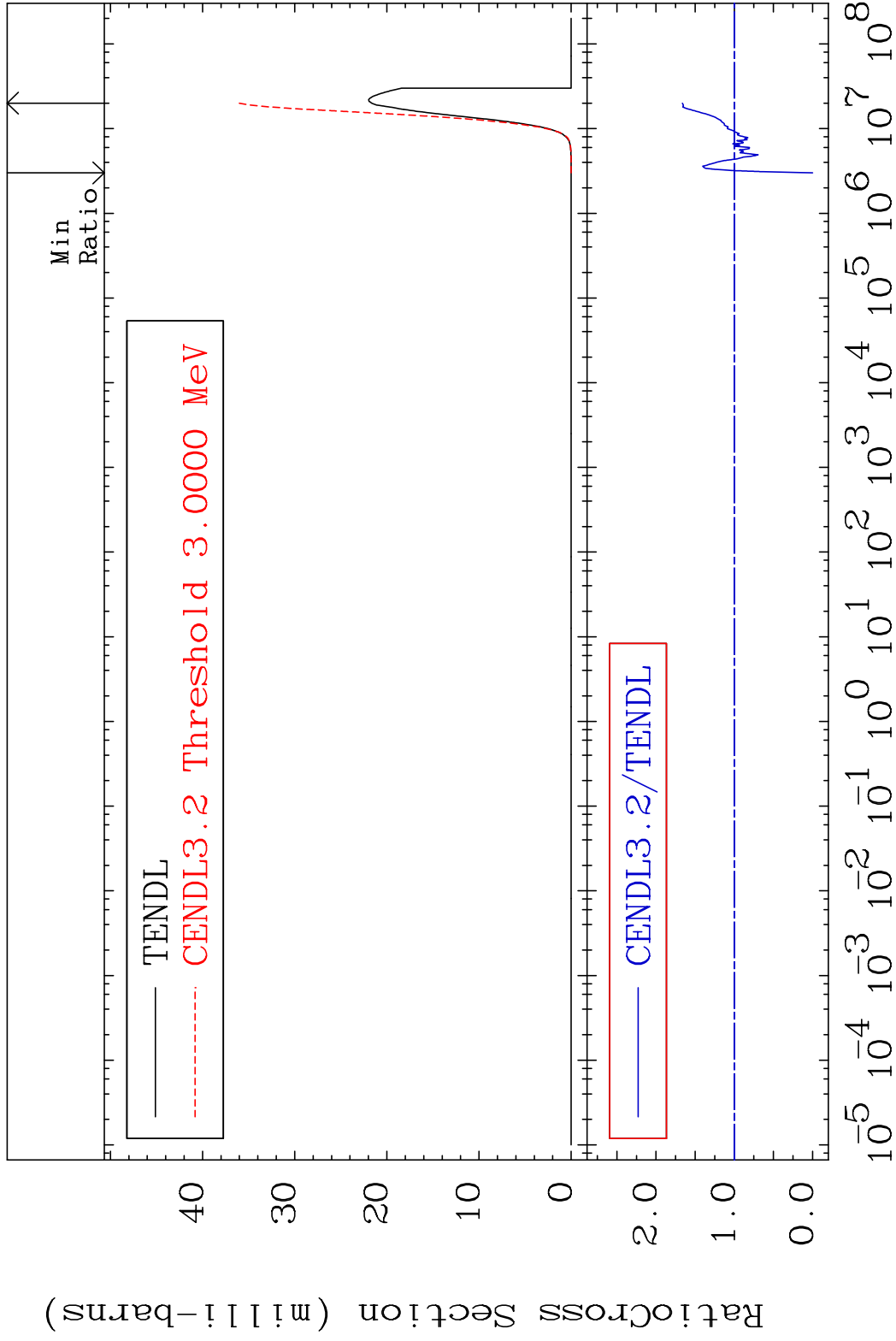


MAT 6325

(n, p)

63-Eu-151

Cross Section -100.0 To 66.37 %



20

Incident Energy (eV)

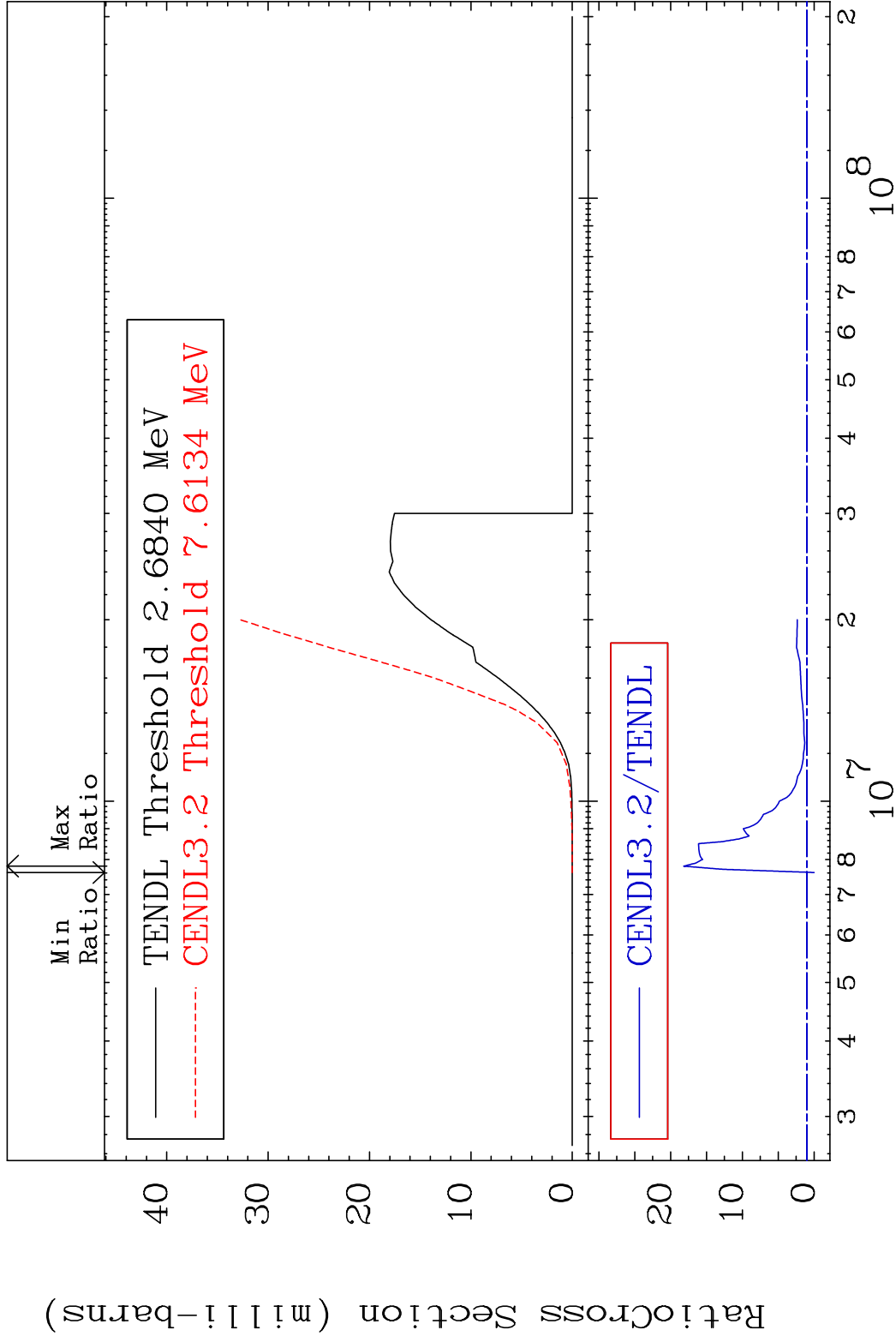
63-Eu-151

MAT 6325

(n, d)

63-Eu-151

Cross Section -100.0 To 1718. %

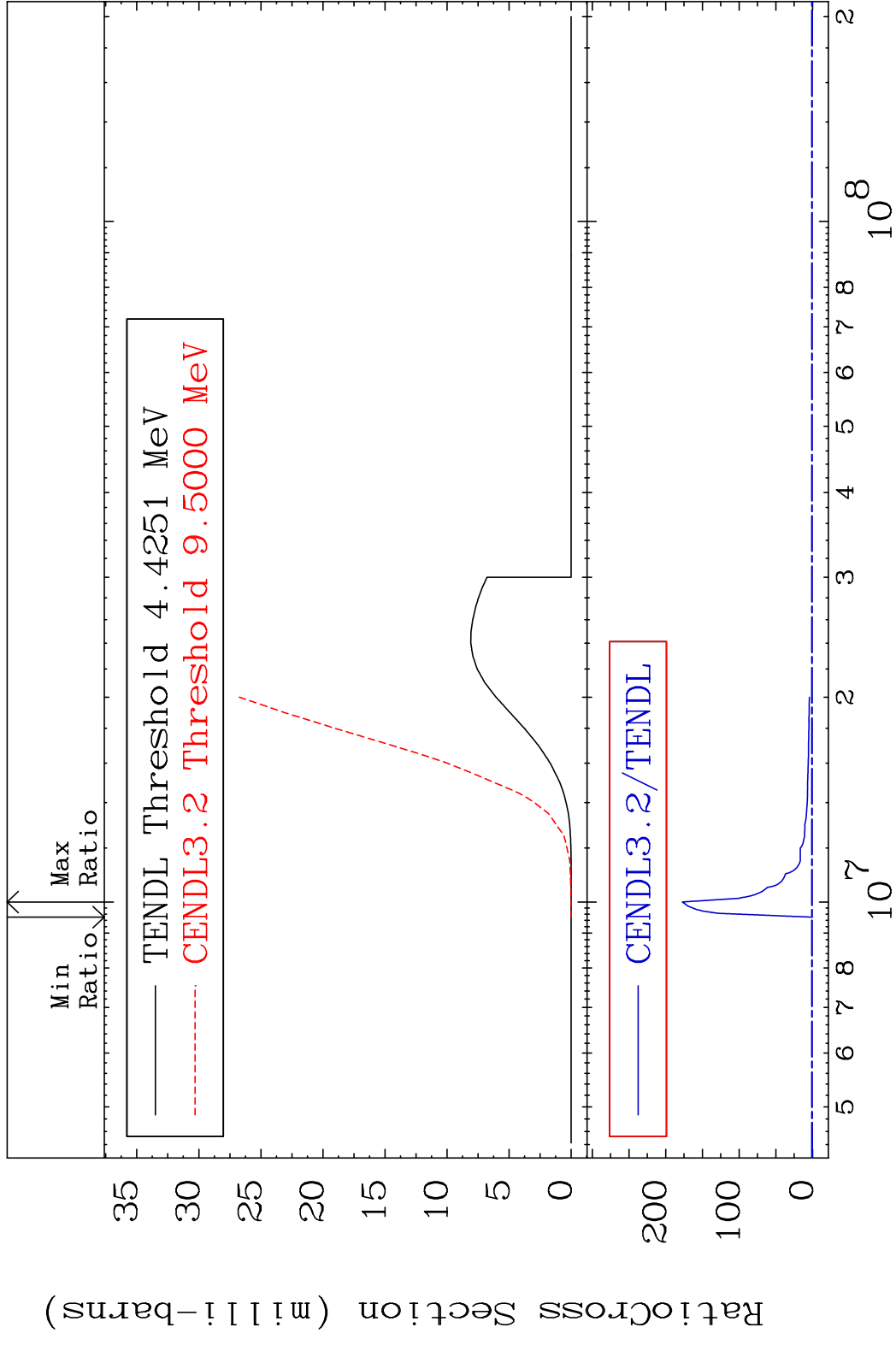


21

Incident Energy (eV)

63-Eu-151

MAT 6325 (n, t) 63-Eu-151
 Cross Section -100.0 To 9999. %

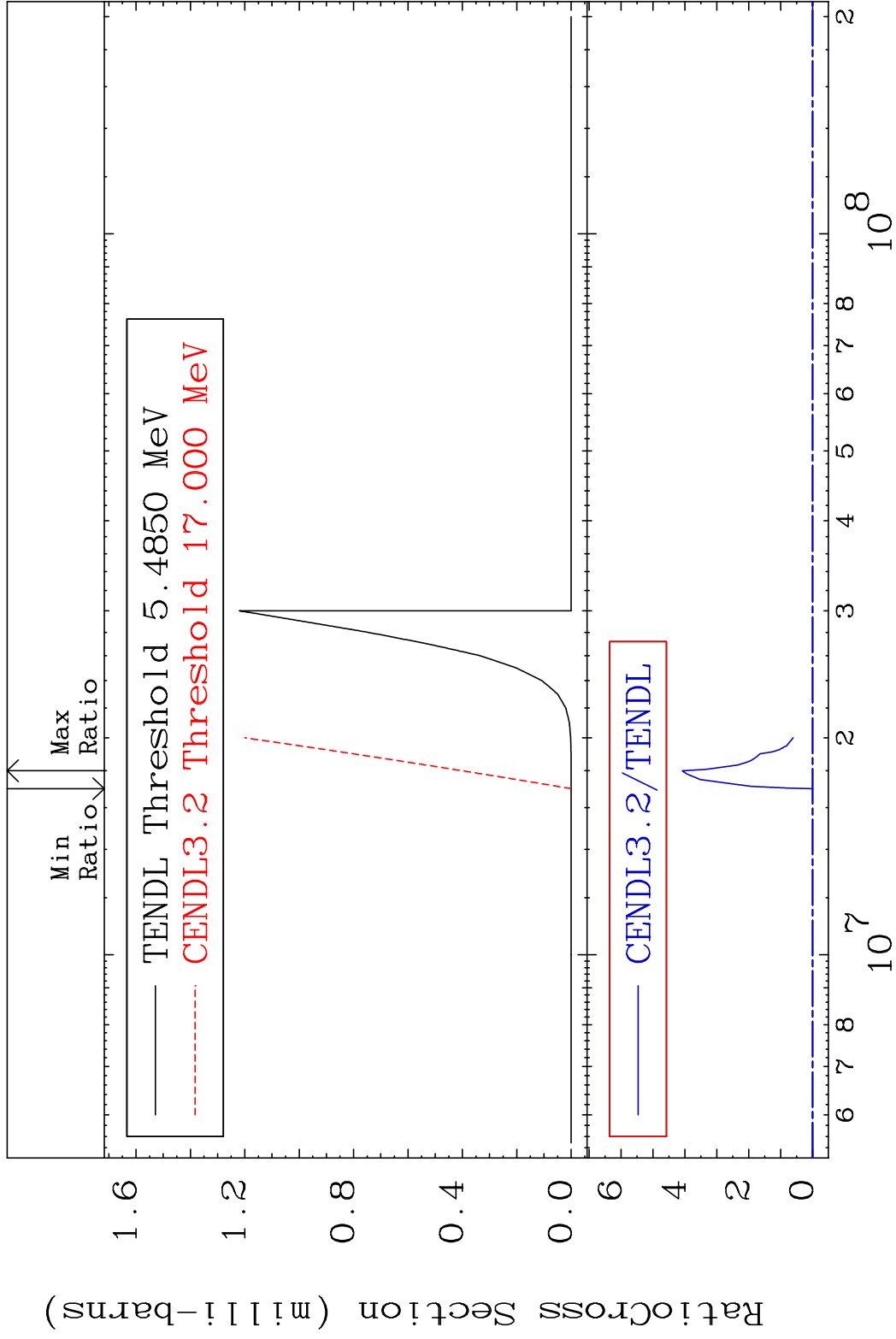


MAT 6325

(n, He-3)

63-Eu-151

Cross Section -100.0 To 9999. %



23

Incident Energy (eV)

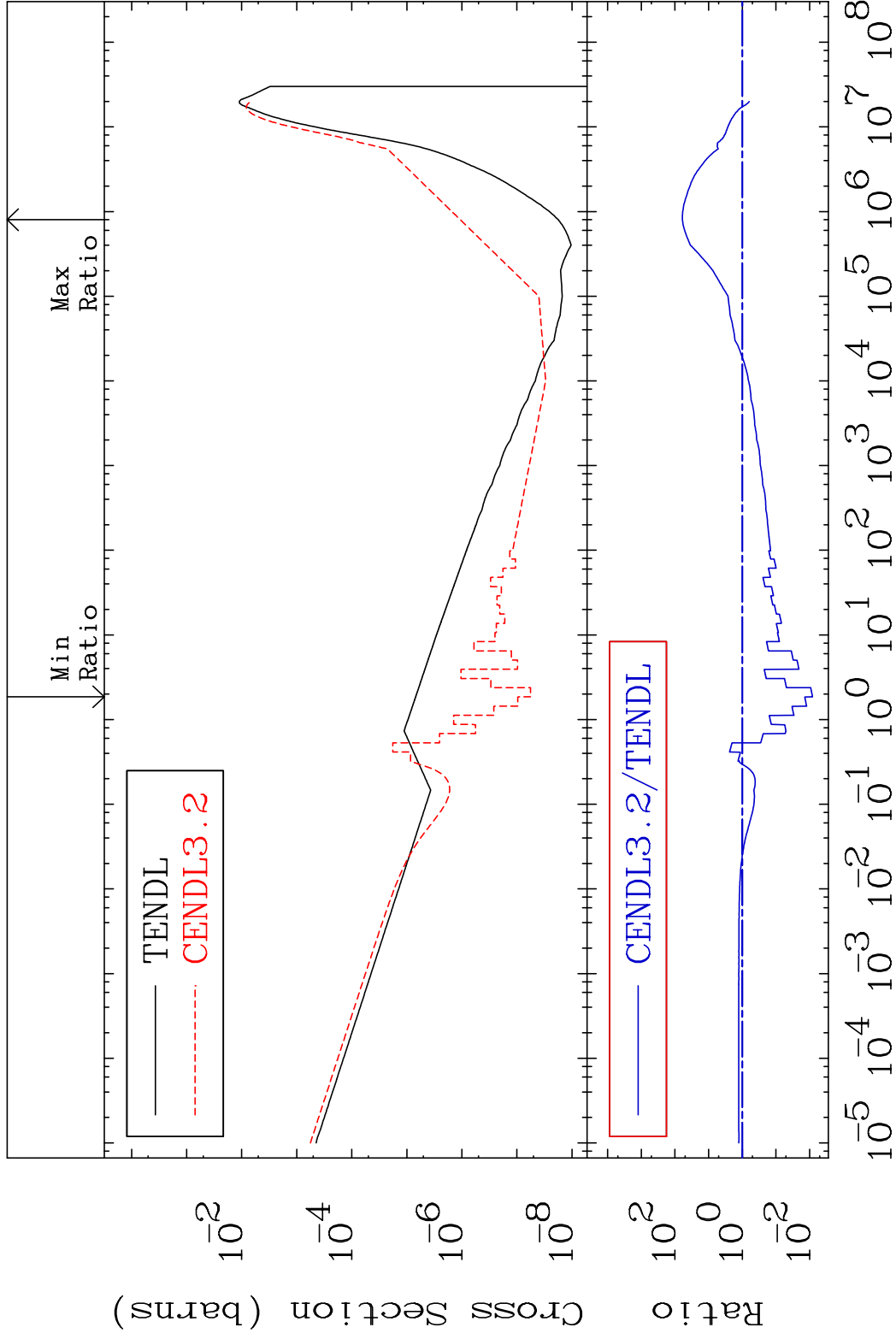
63-Eu-151

MAT 6325

(n, α)

63-Eu-151

Cross Section -99.19 To 5925. %



24

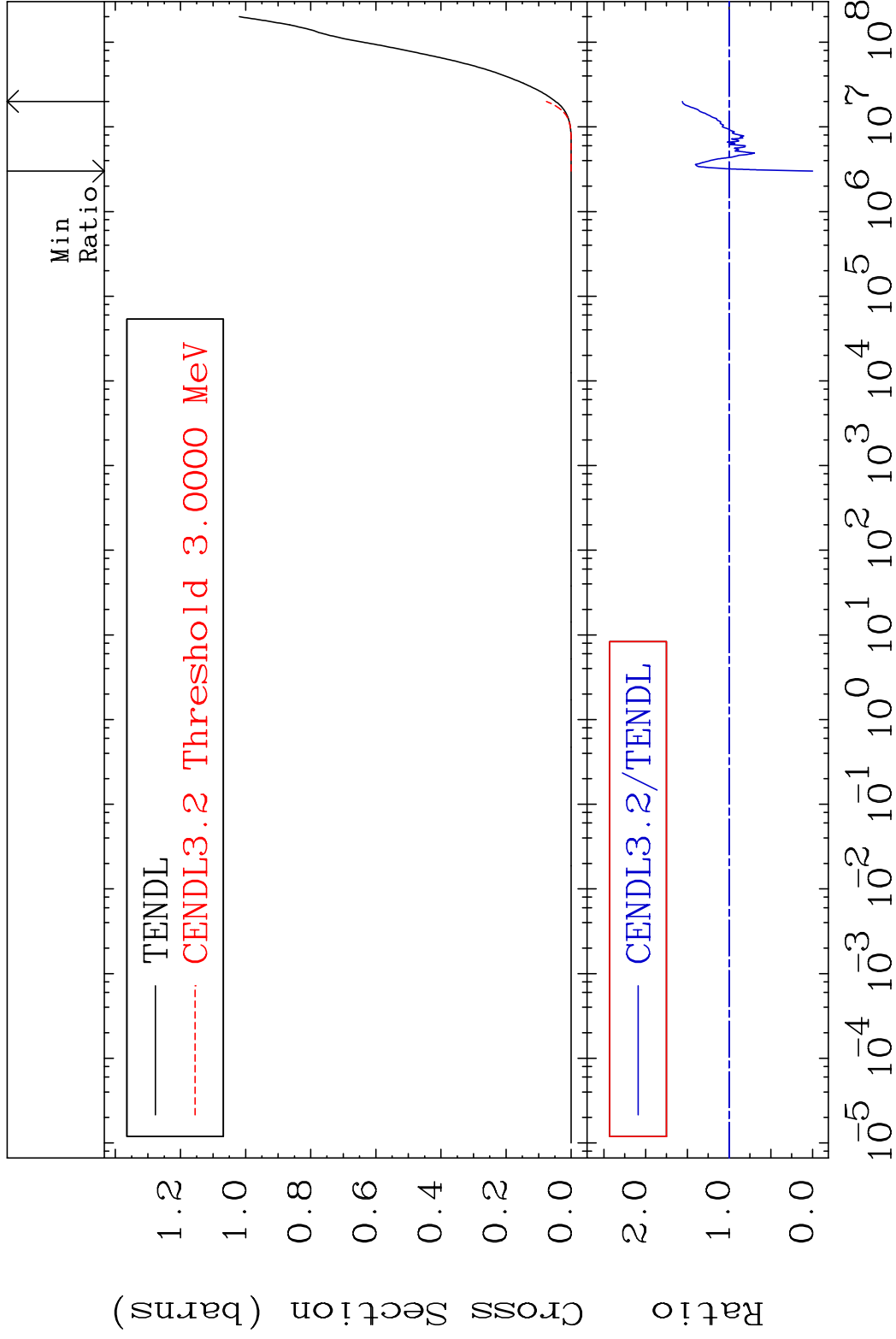
Incident Energy (eV)

63-Eu-151

MAT 6325

Hydrogen Production 63-Eu-151

Cross Section -100.0 To 55.97 %

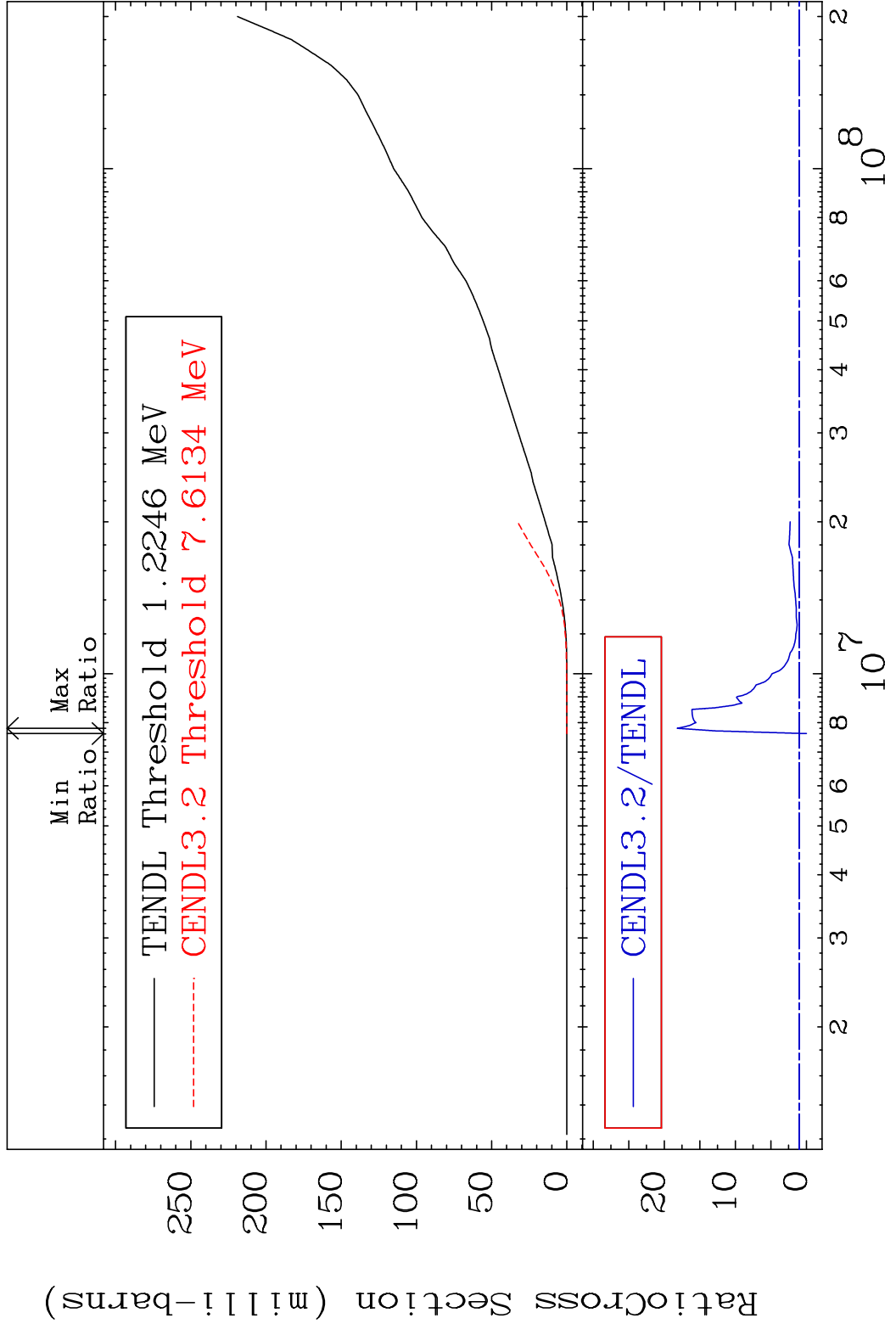


25

Incident Energy (eV)

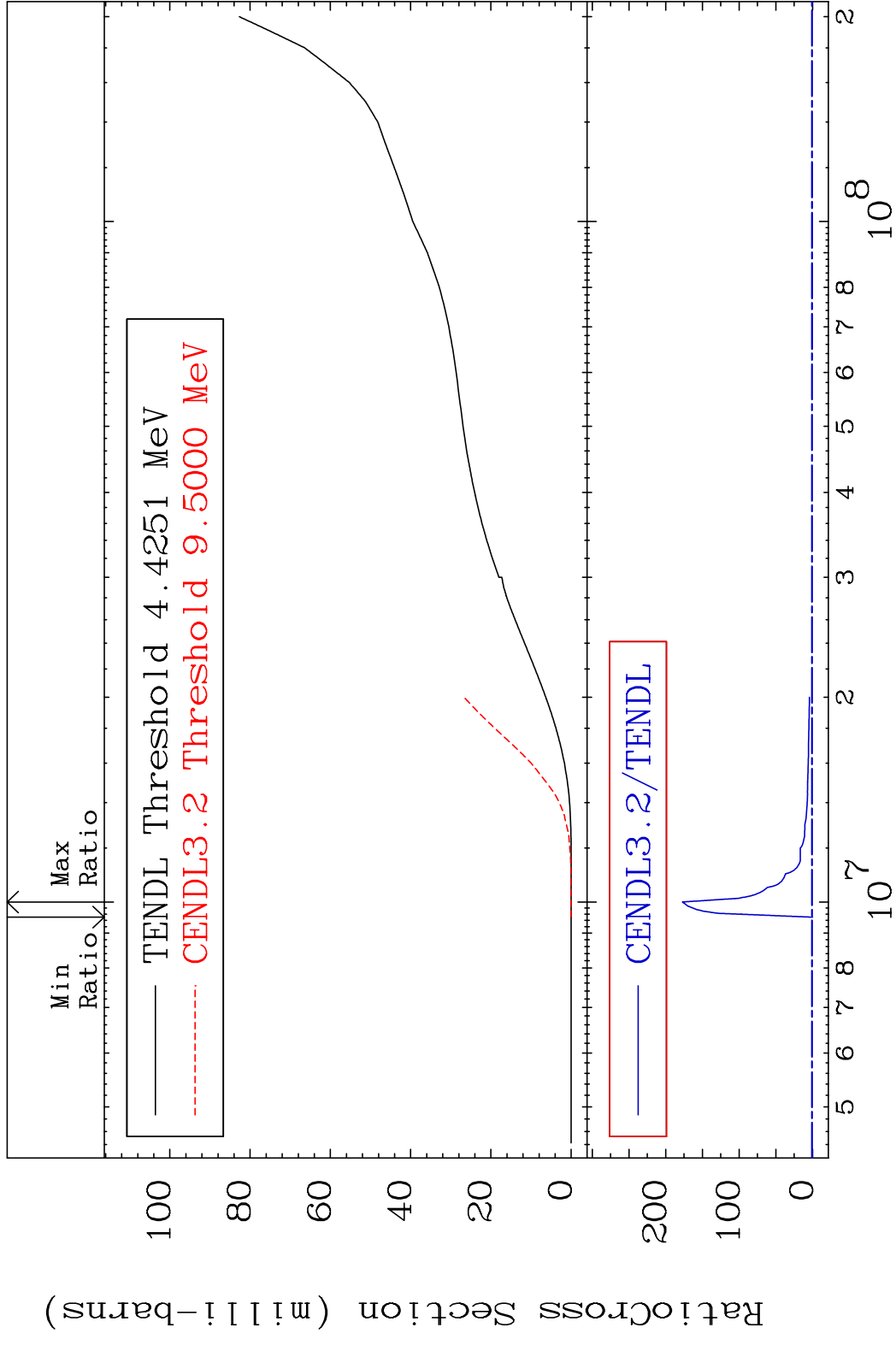
63-Eu-151

MAT 6325 Deuterium Production 63-Eu-151
 Cross Section -100.0 To 1718. %



MAT 6325

Tritium Production 63-Eu-151
Cross Section -100.0 To 9999. %

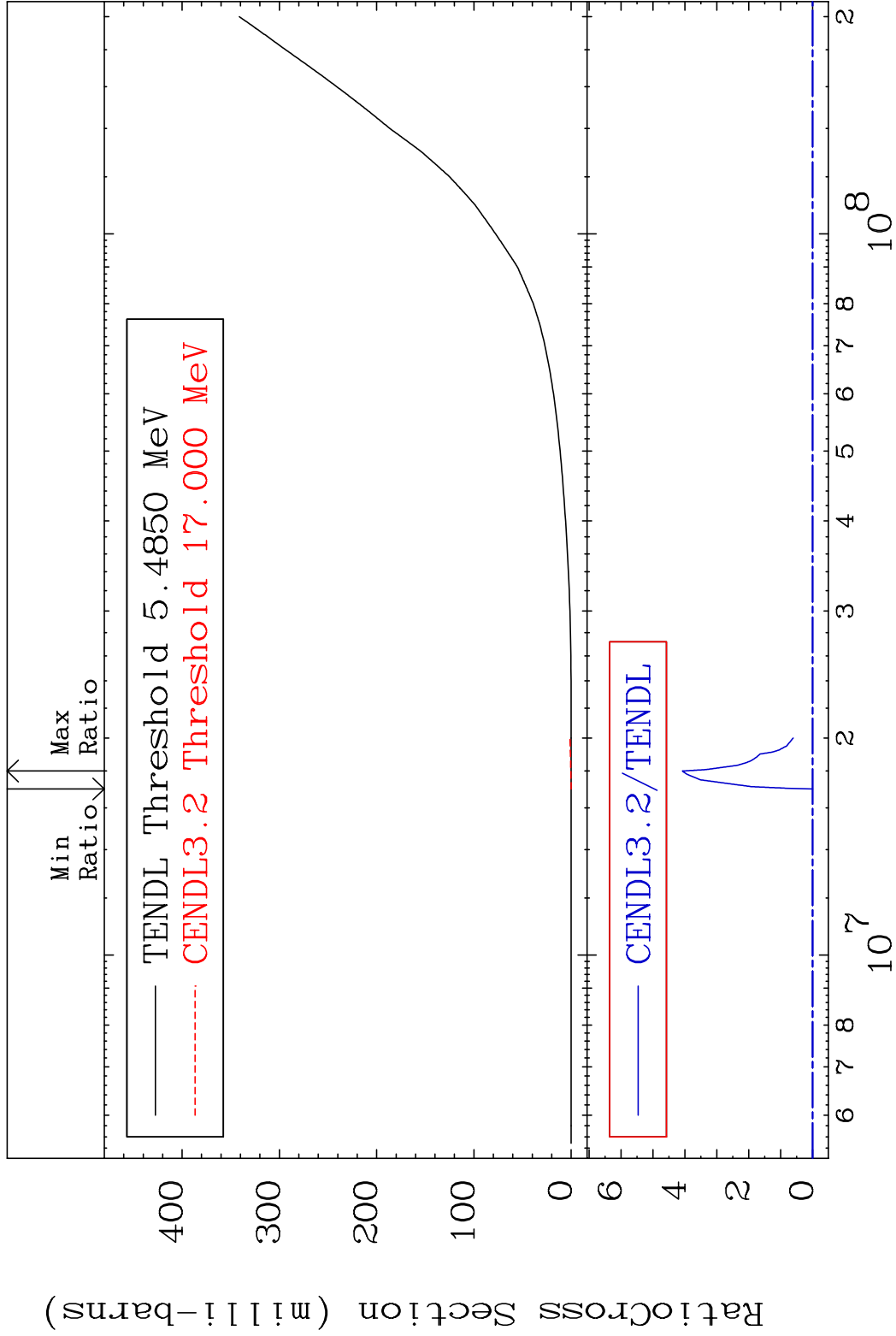


MAT 6325

He-3 Production

63-Eu-151

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

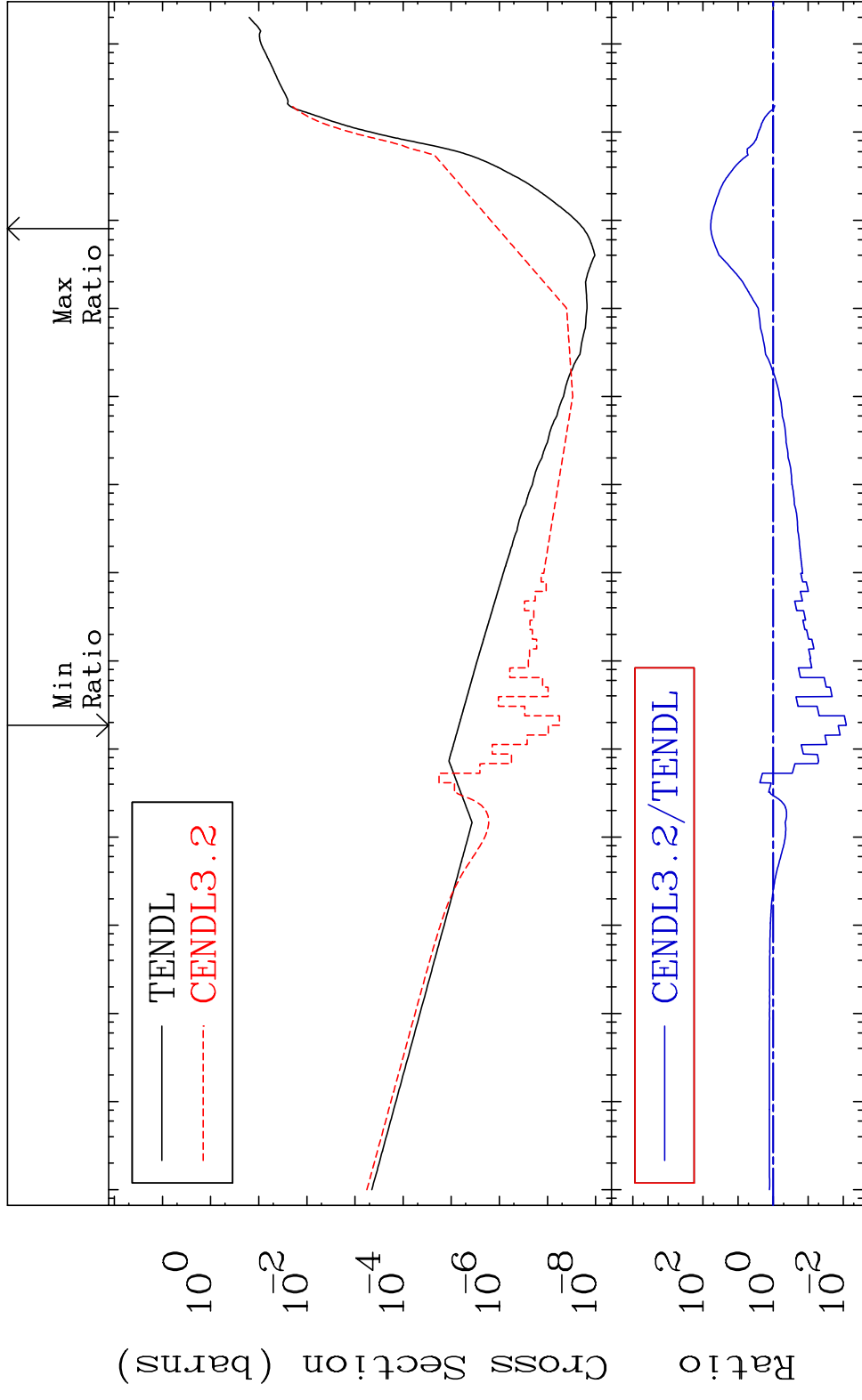
63-Eu-151

MAT 6325

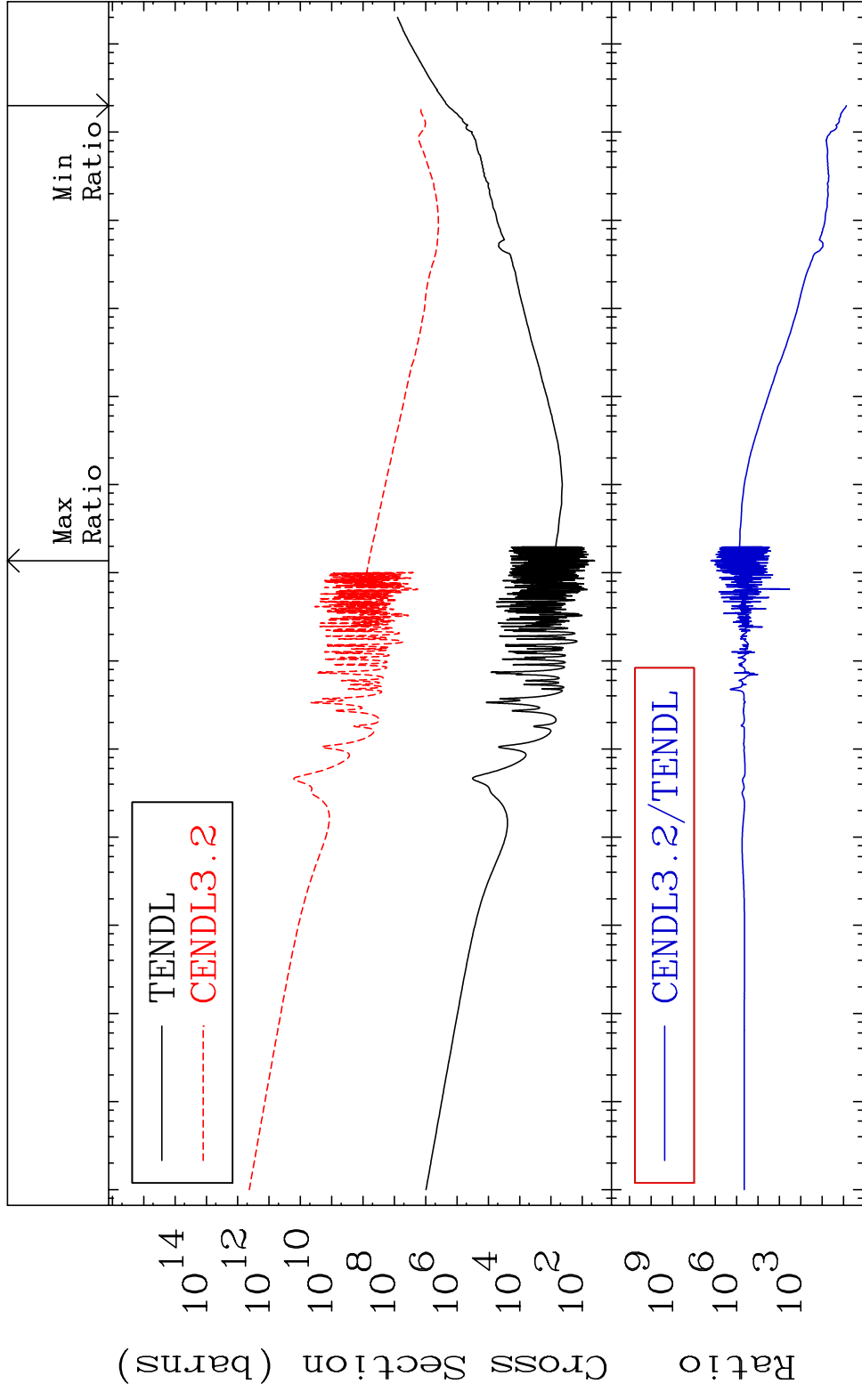
He-4 Production

63-Eu-151

Cross Section -99.19 To 5925. %



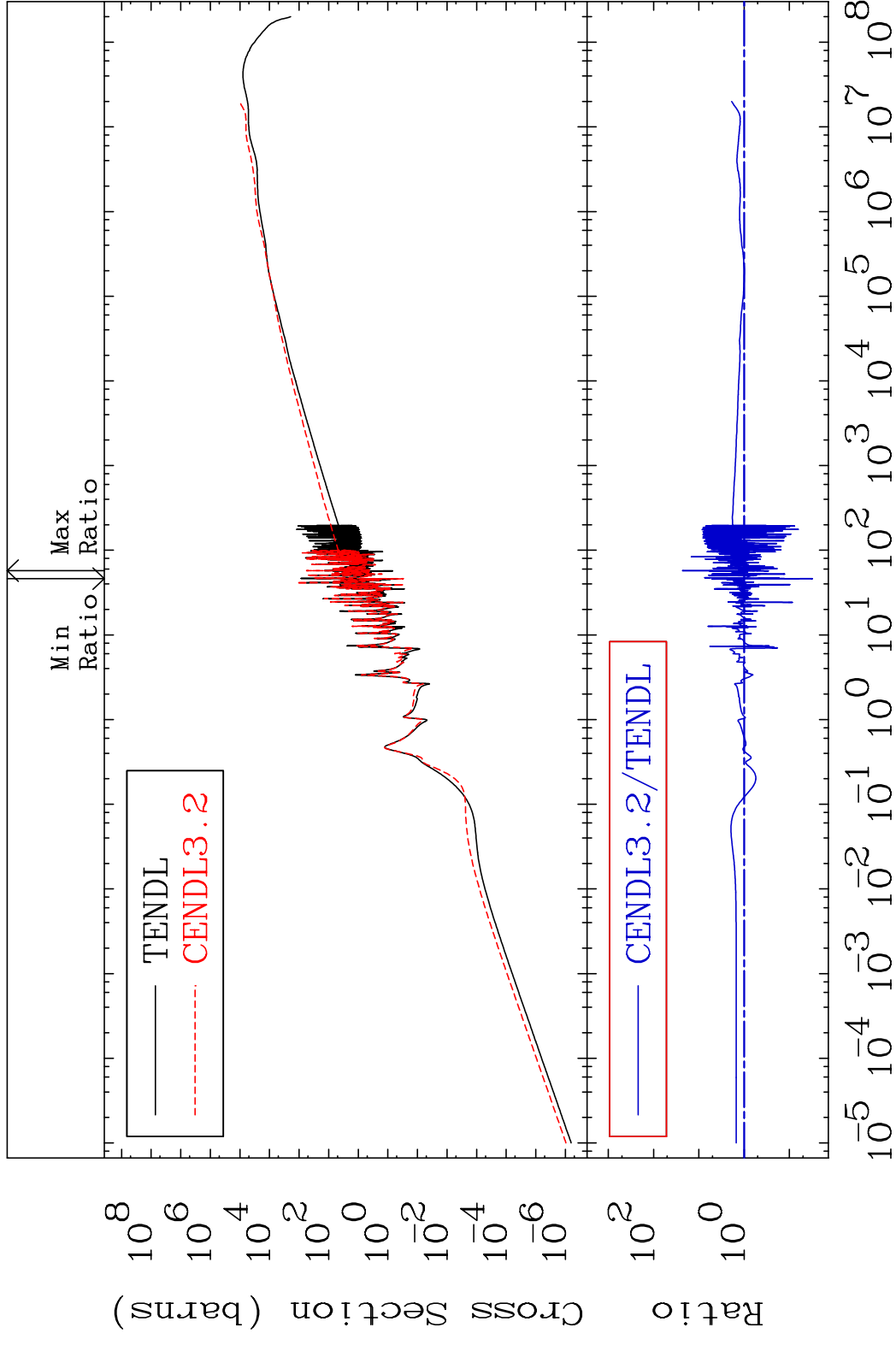
MAT 6325 Kerma total (eV-barns) 63-Eu-151
 Cross Section 648.5 To 9999. %



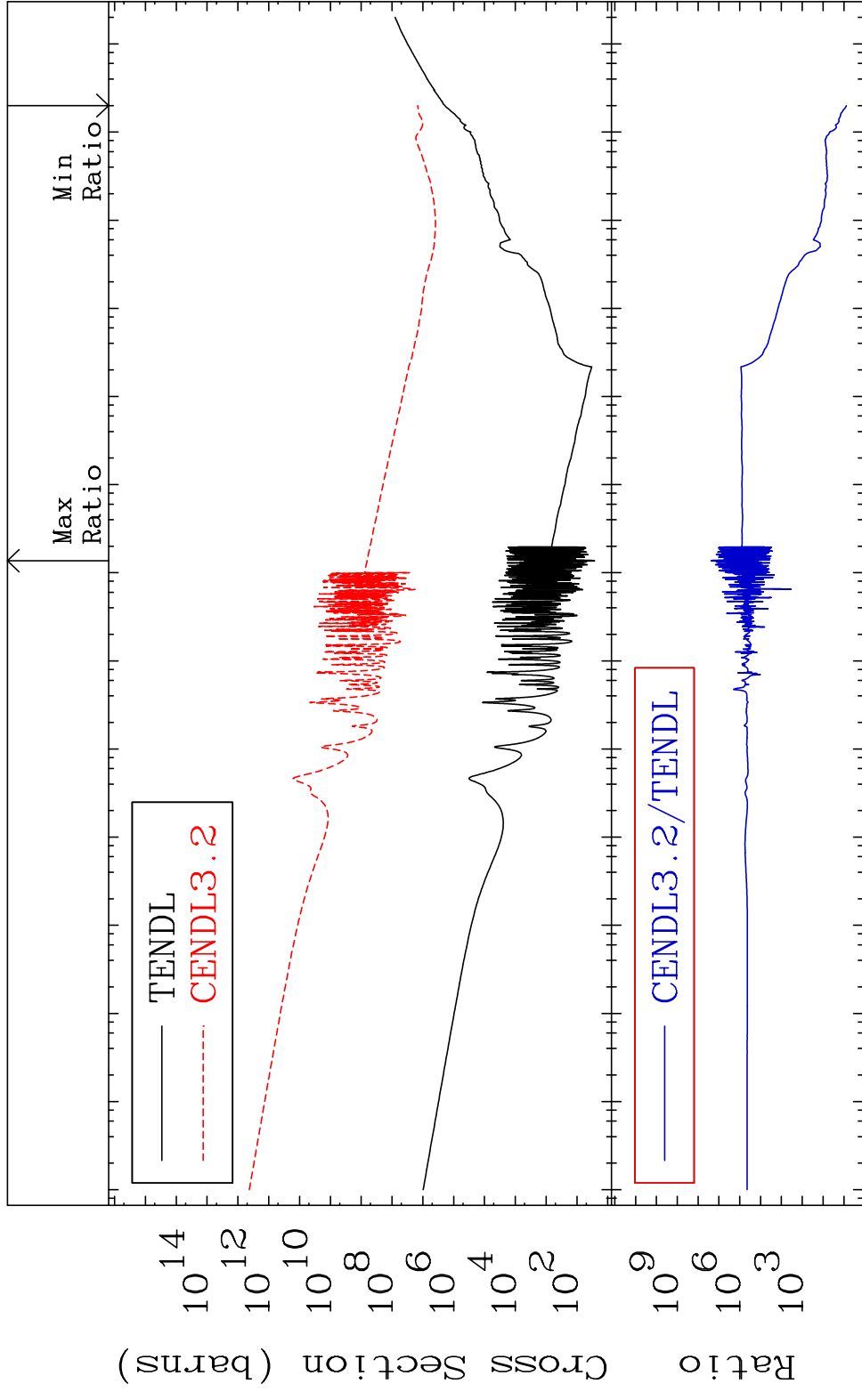
30 Incident Energy (eV) 63-Eu-151

MAT 6325

Kerma elastic Cross Section -96.92 To 2215. %
63-Eu-151

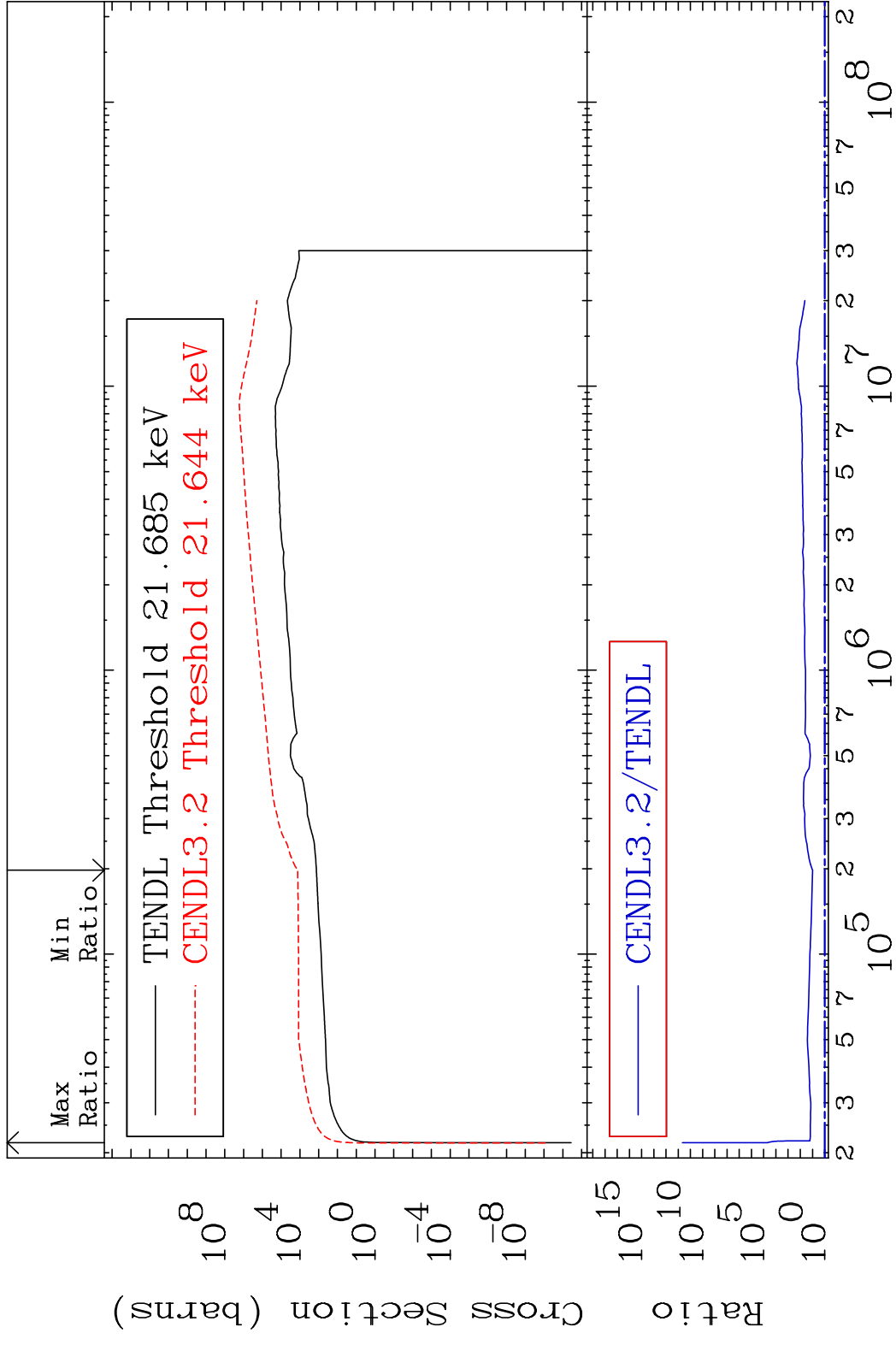


MAT 6325 Kerma non-elastic (all but mt2) 63-Eu-151
 Cross Section 664.7 To 9999. %

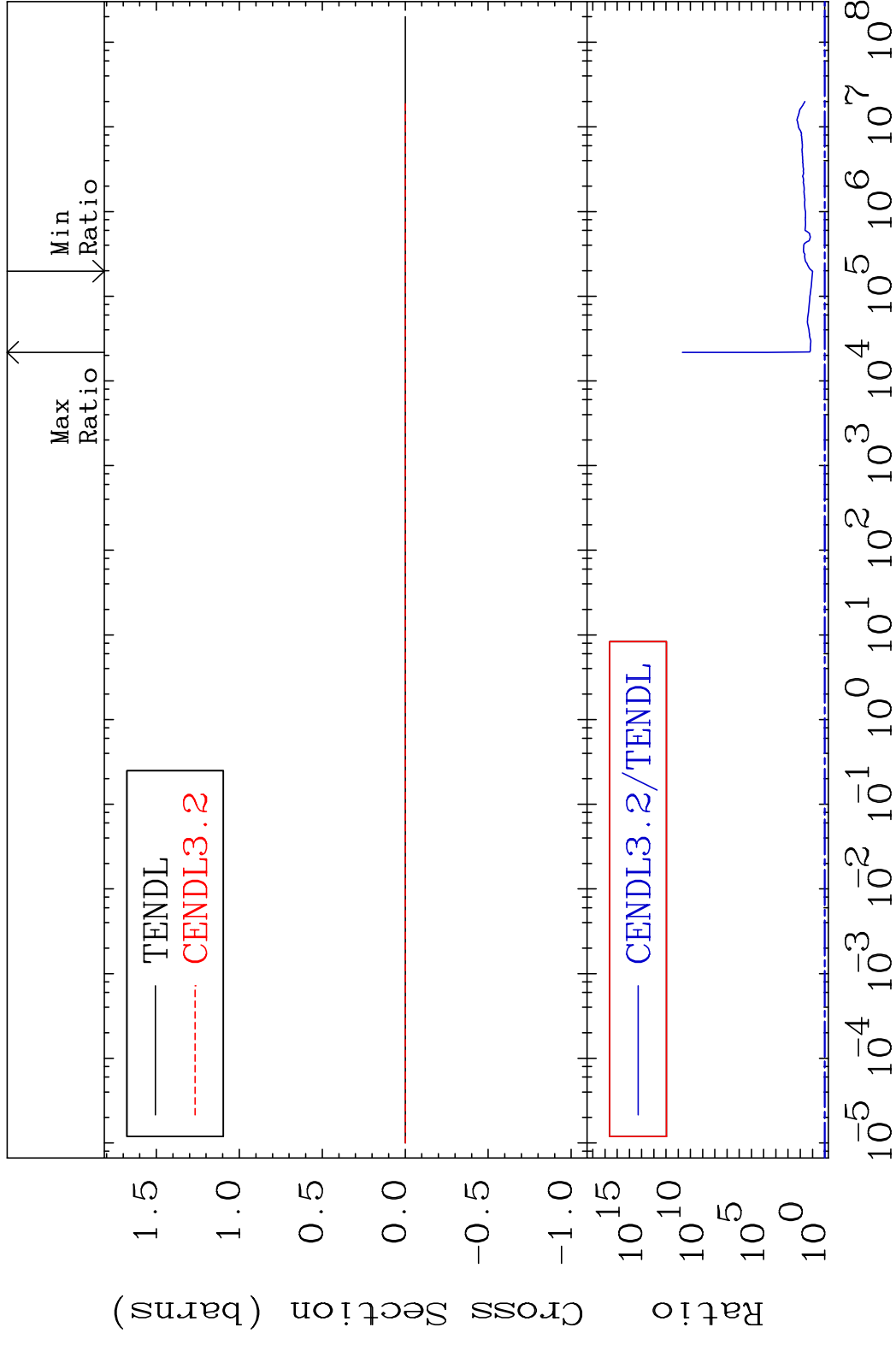


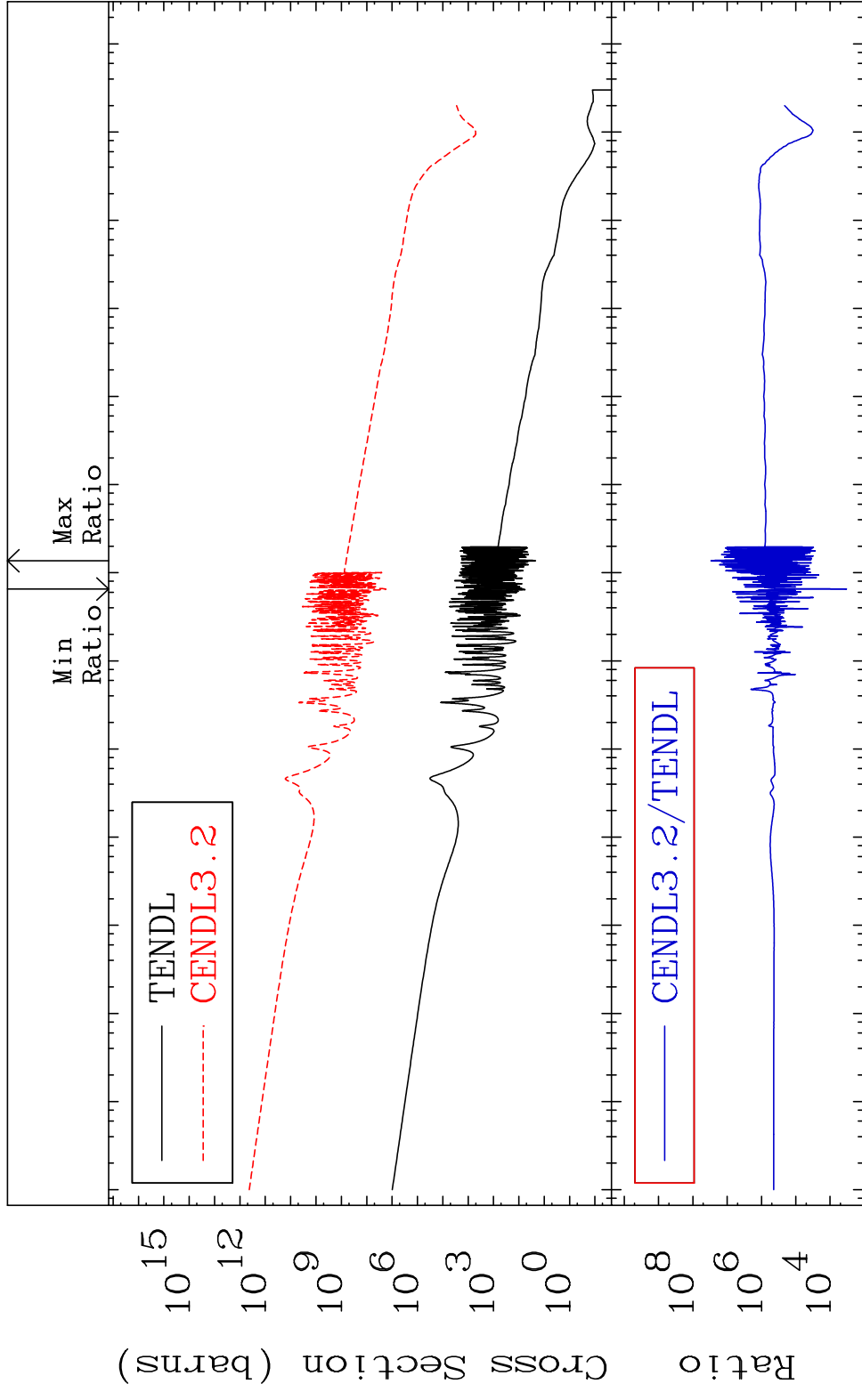
32 Incident Energy (eV) 63-Eu-151

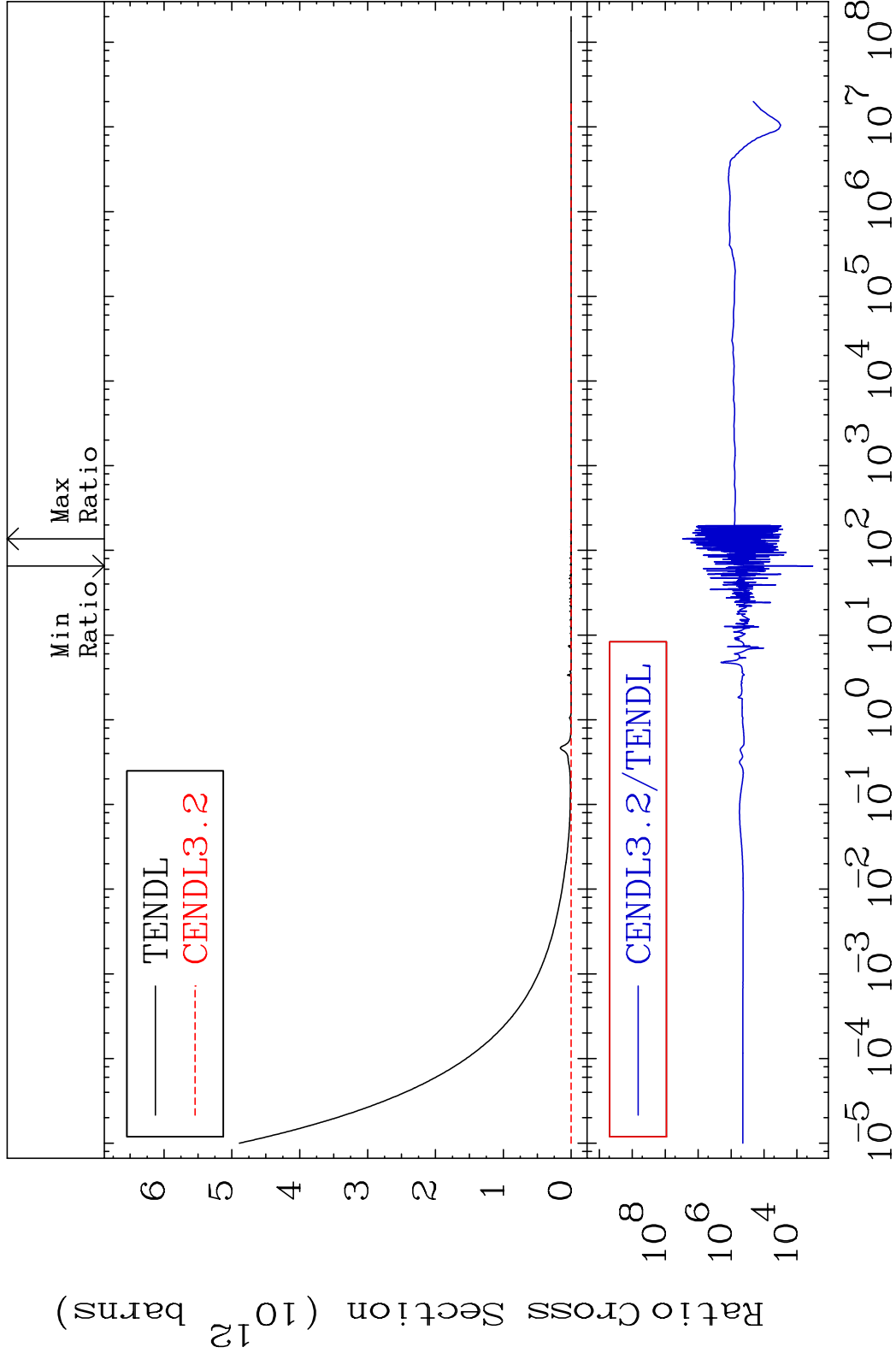
MAT 6325 Kerma inelastic (mt51-91) 63-Eu-151
 Cross Section 888.3 To 9999. %



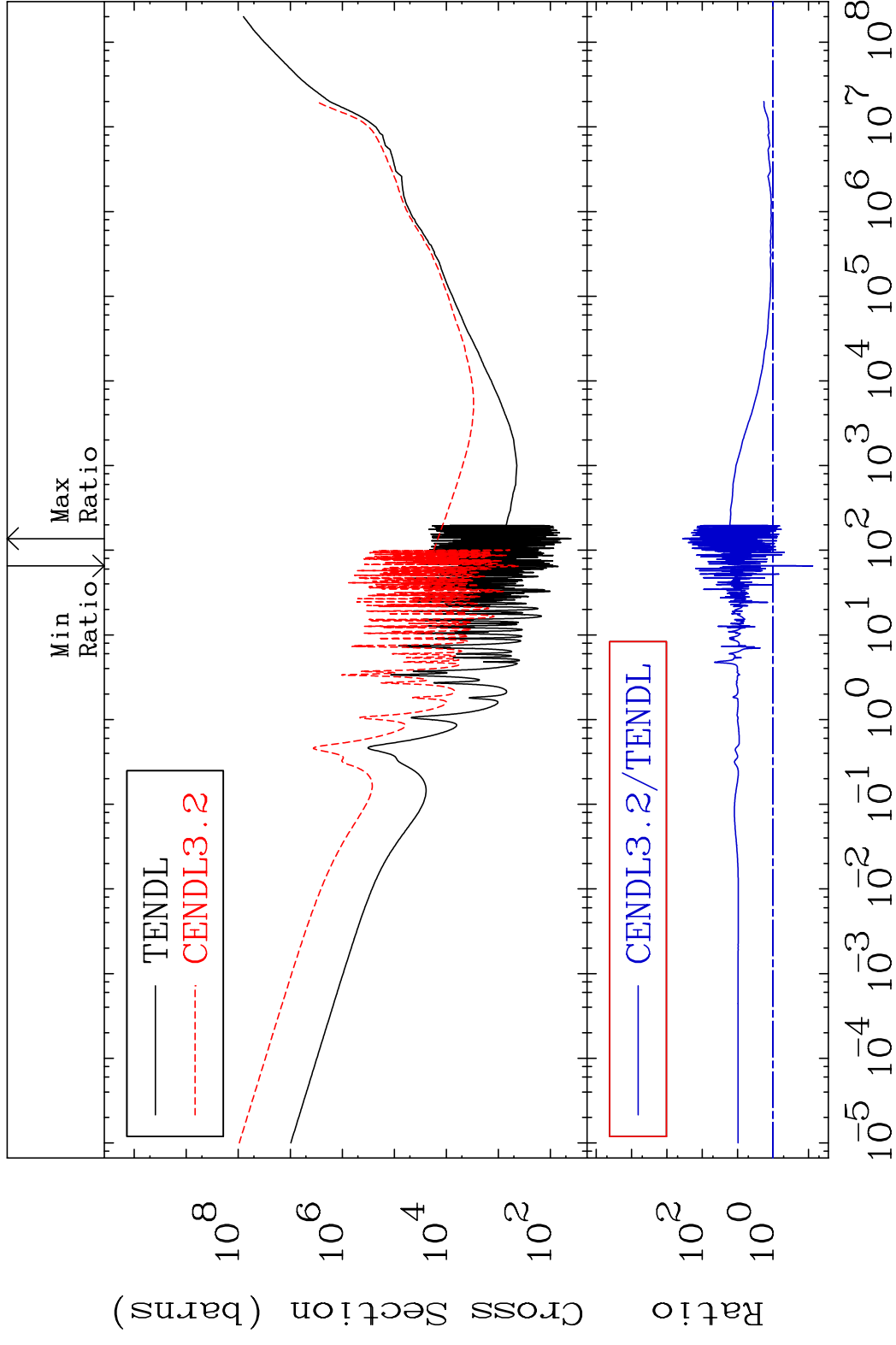
MAT 6325 Kerma fission (mt18 or mt19-20-21-38) 63-Eu-151
 Cross Section 888.3 To 9999. %



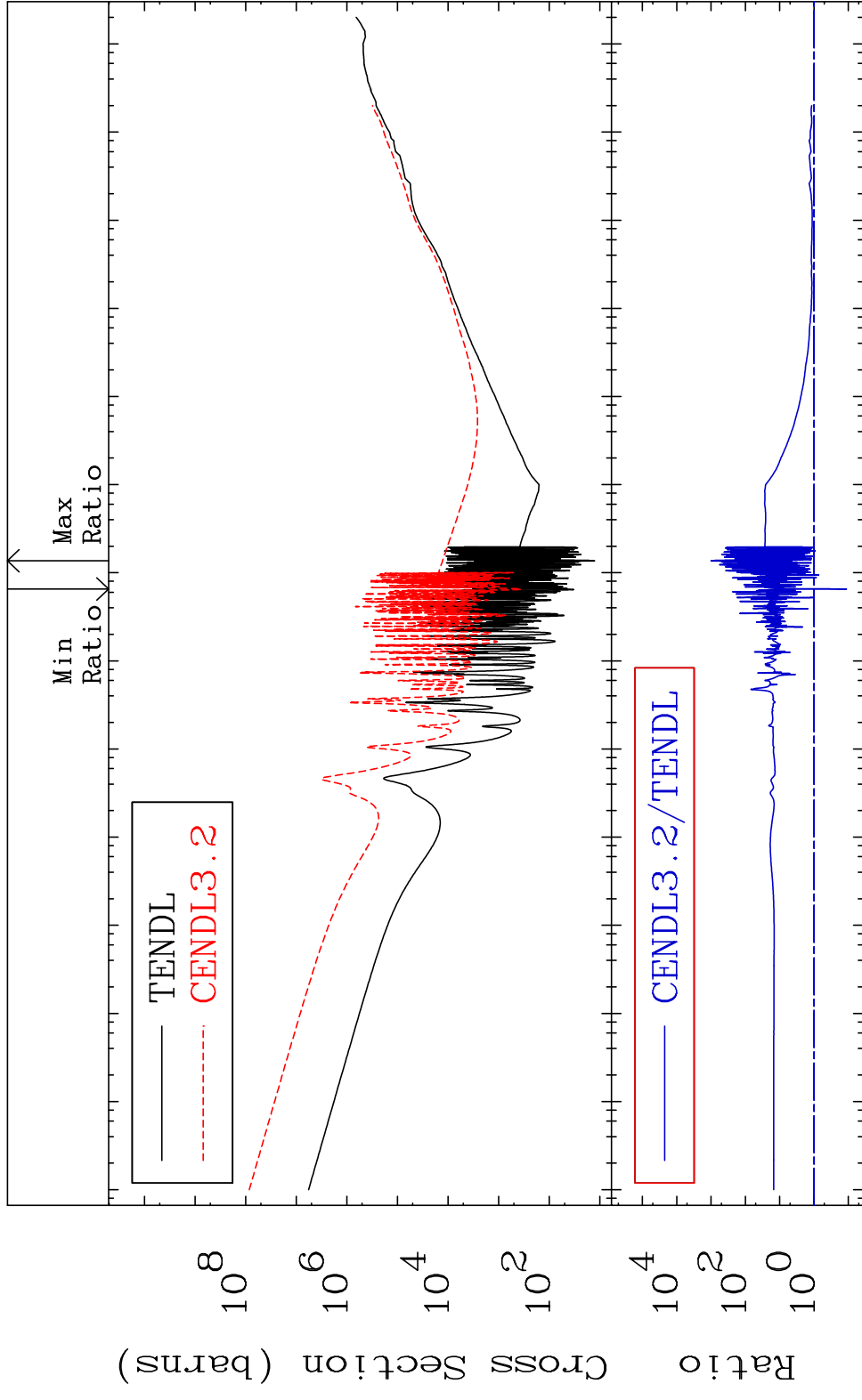




MAT 6325 Total kinematic kerma (high limit) 63-Eu-151
 Cross Section -92.38 To 9999. %



MAT 6325 Dpa total (eV-barns) 63-Eu-151
 Cross Section -88.57 To 9999. %

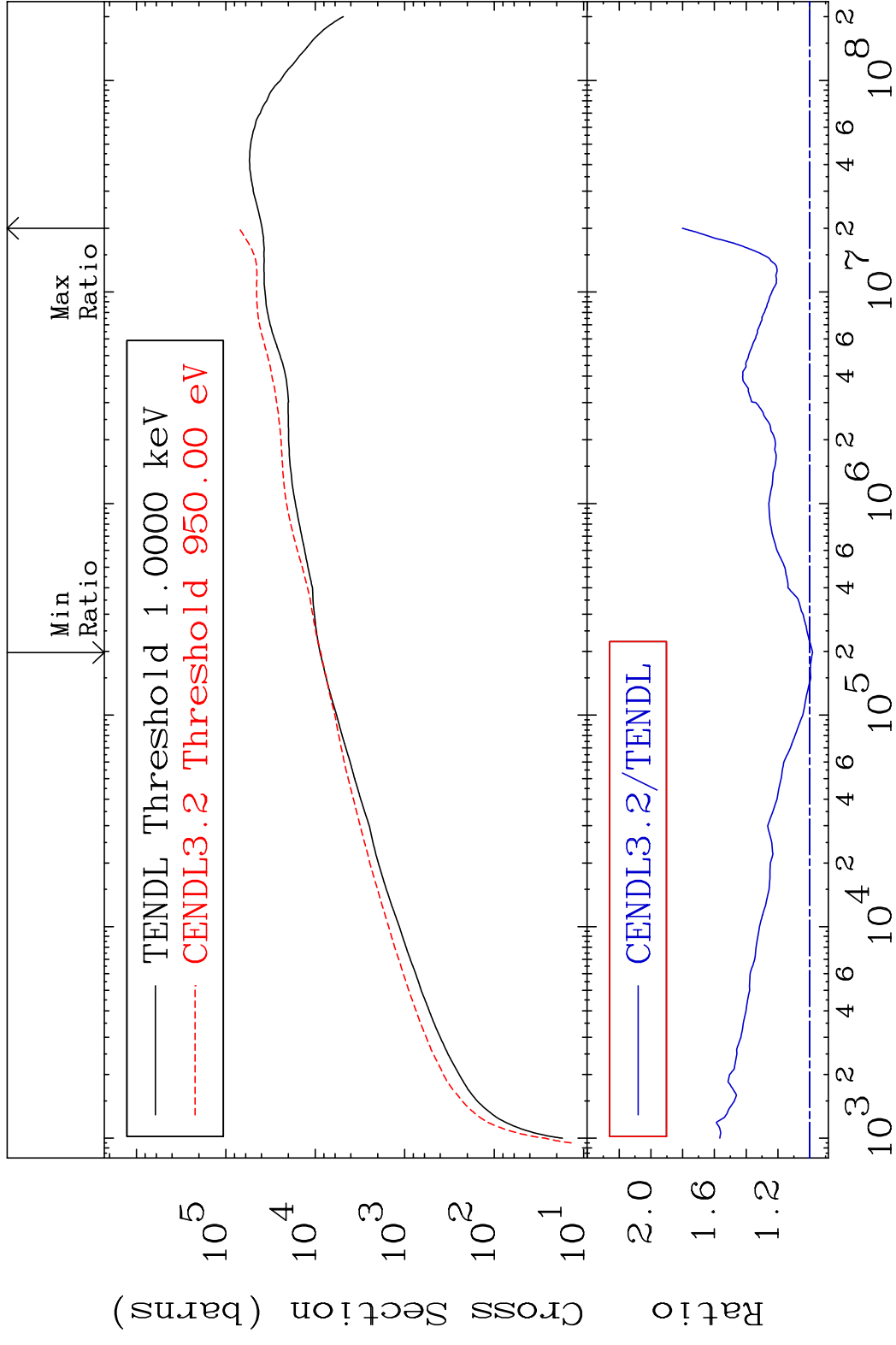


MAT 6325

Dpa elastic (mt2)

63-Eu-151

Cross Section -1.797 To 80.19 %

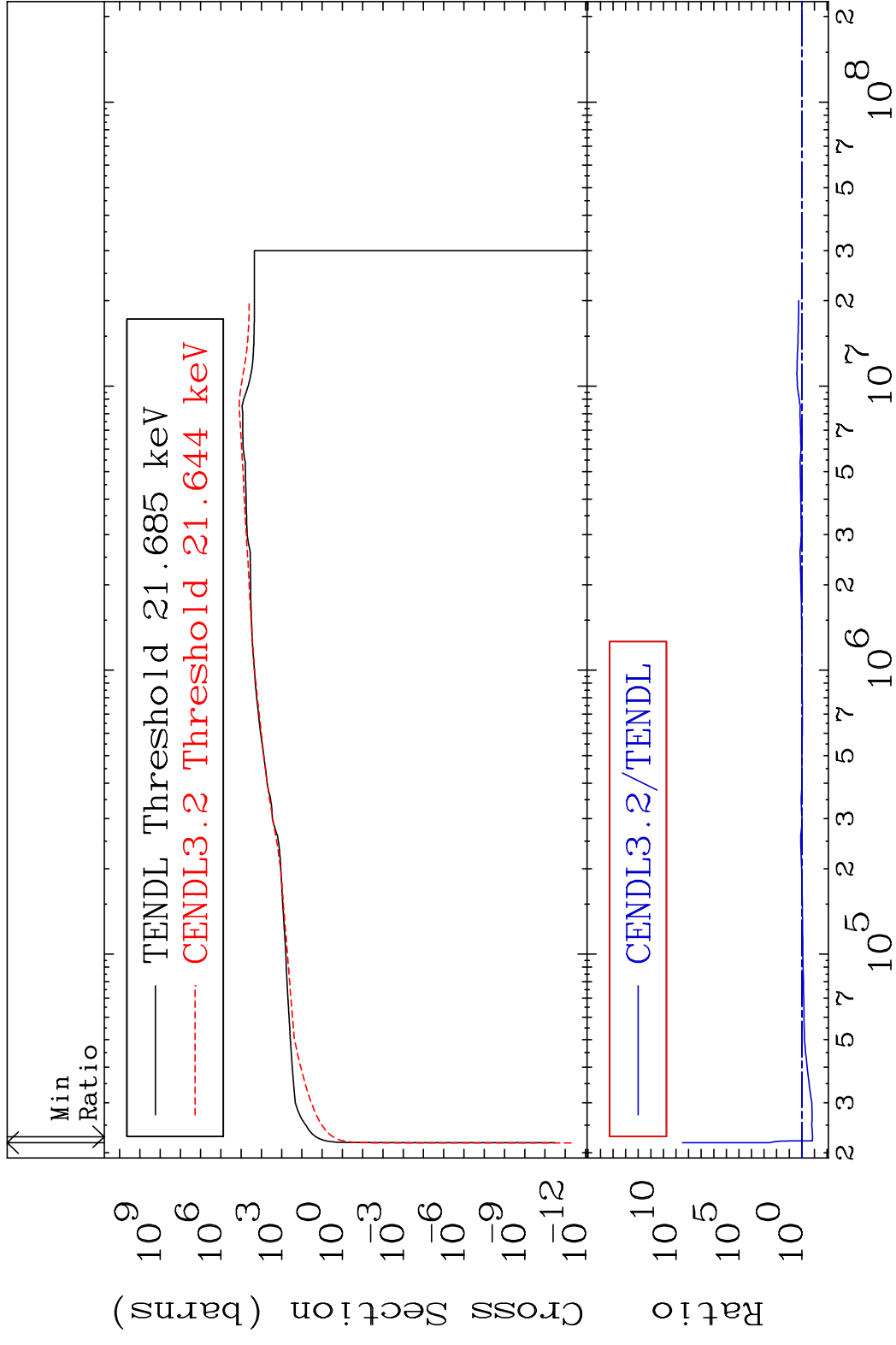


39

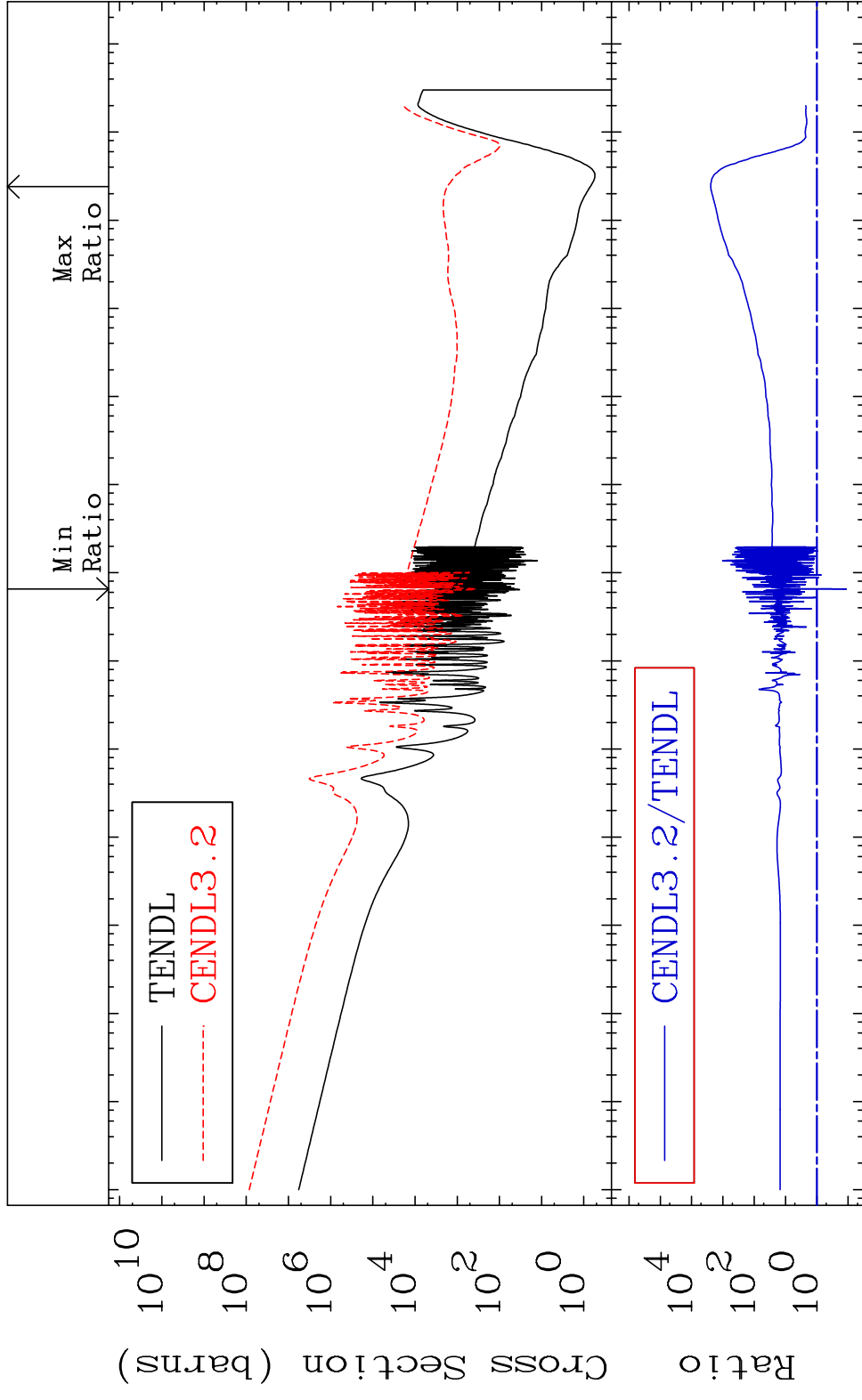
Incident Energy (eV)

63-Eu-151

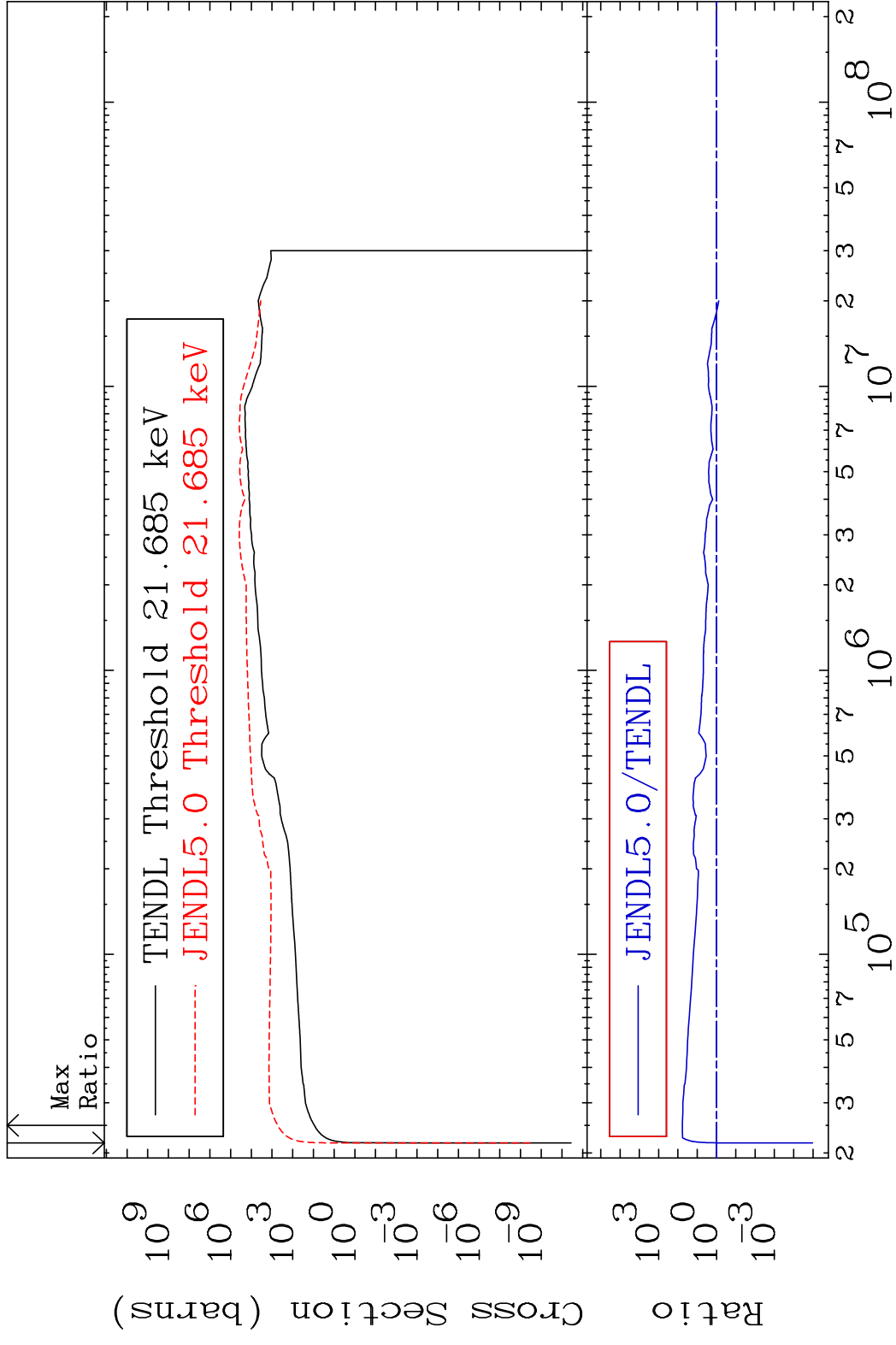
MAT 6325 Dpa inelastic (mt51-91) 63-Eu-151
 Cross Section -85.90 To 9999. %



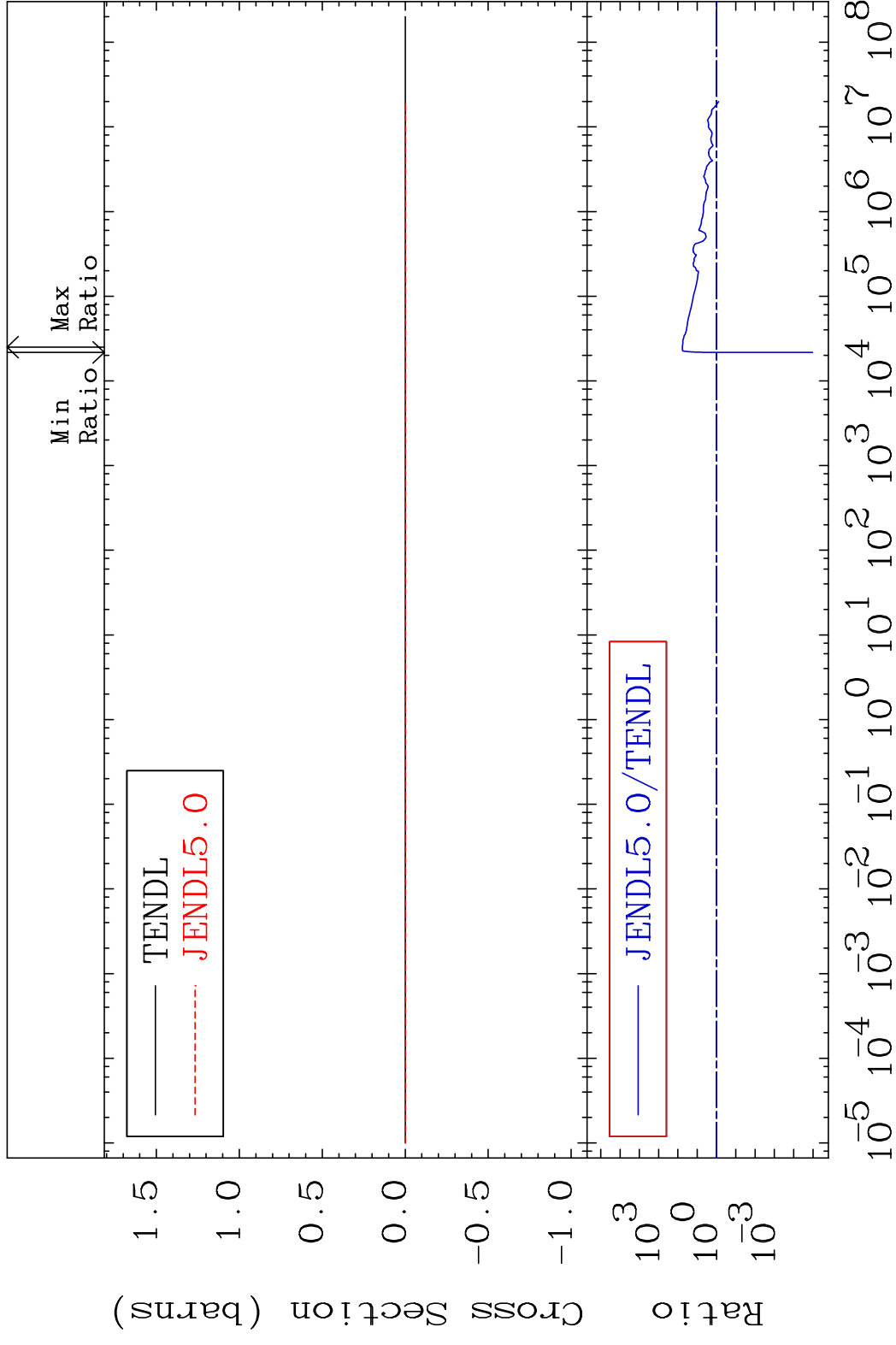
MAT 6325 Dpa disappearance (mt102 -120) 63-Eu-151
 Cross Section -88.57 To 9999. %



MAT 6325 Kerma inelastic (mt51-91) 63-Eu-151
 Cross Section -100.0 To 5799. %

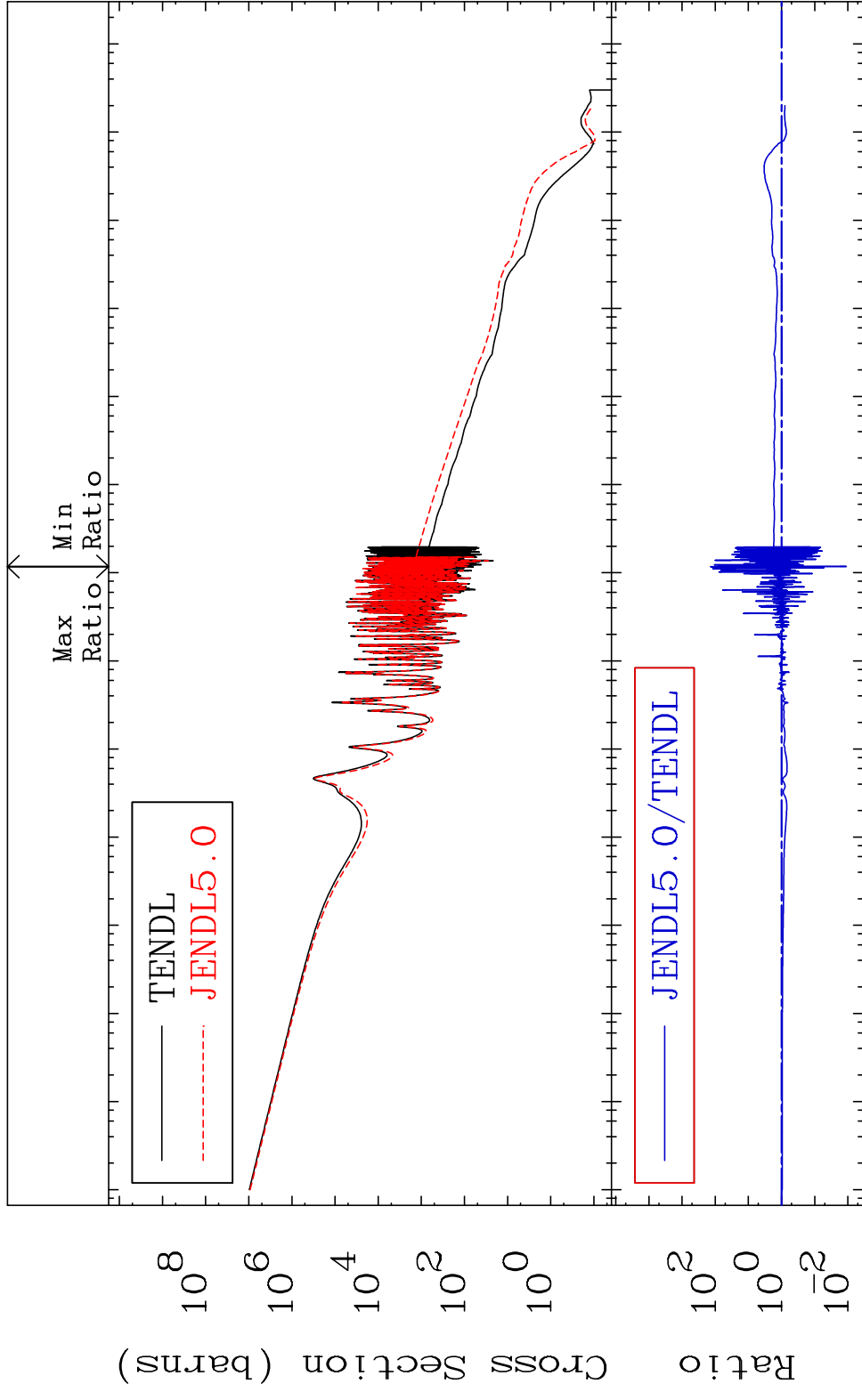


MAT 6325 Kerma fission (mt18 or mt19-20-21-38) 63-Eu-151
 Cross Section -100.0 To 5799. %

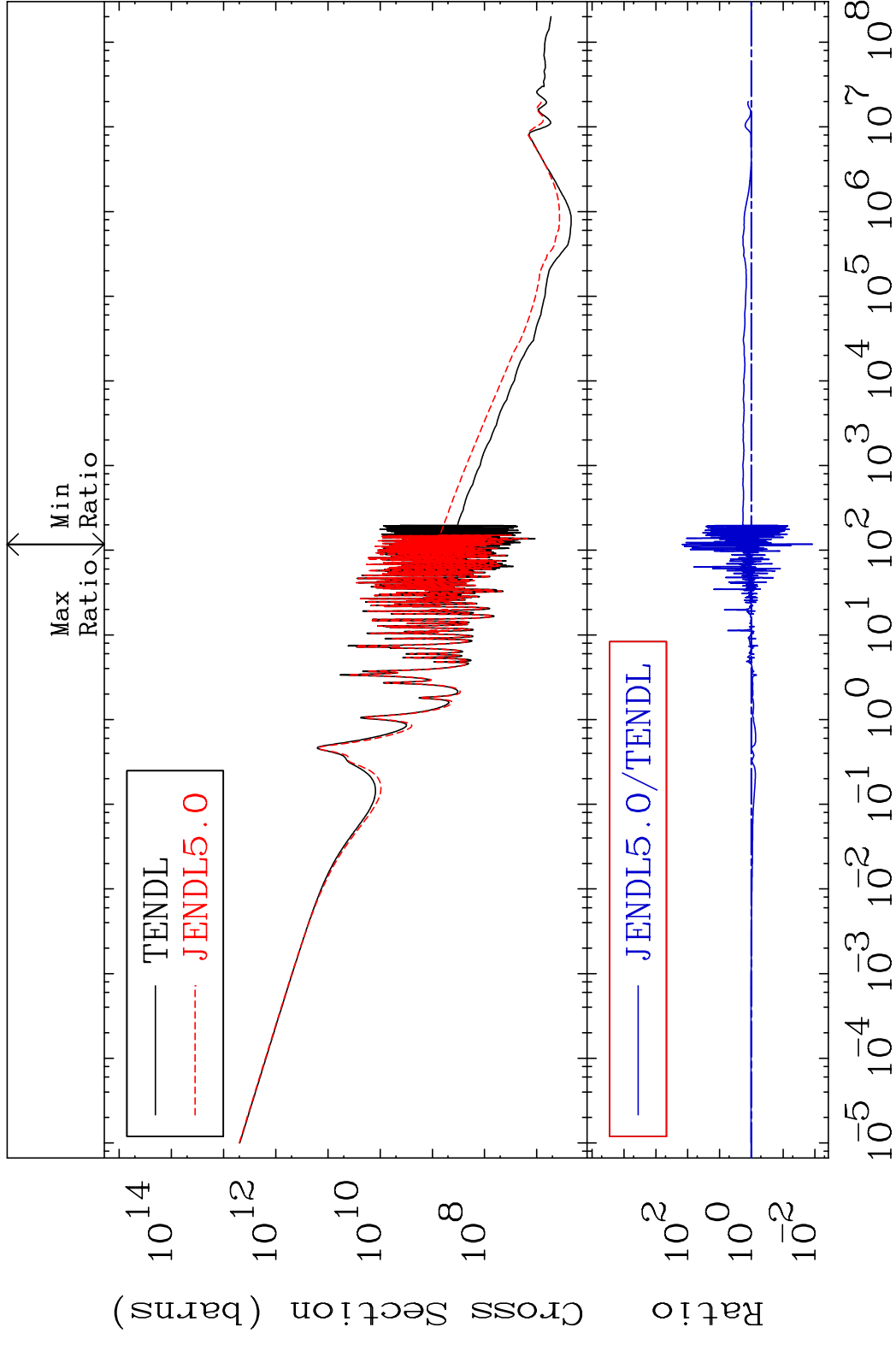


MAT 6325

Kerma capture (mt102) 63-Eu-151
Cross Section -98.89 To 9999. %

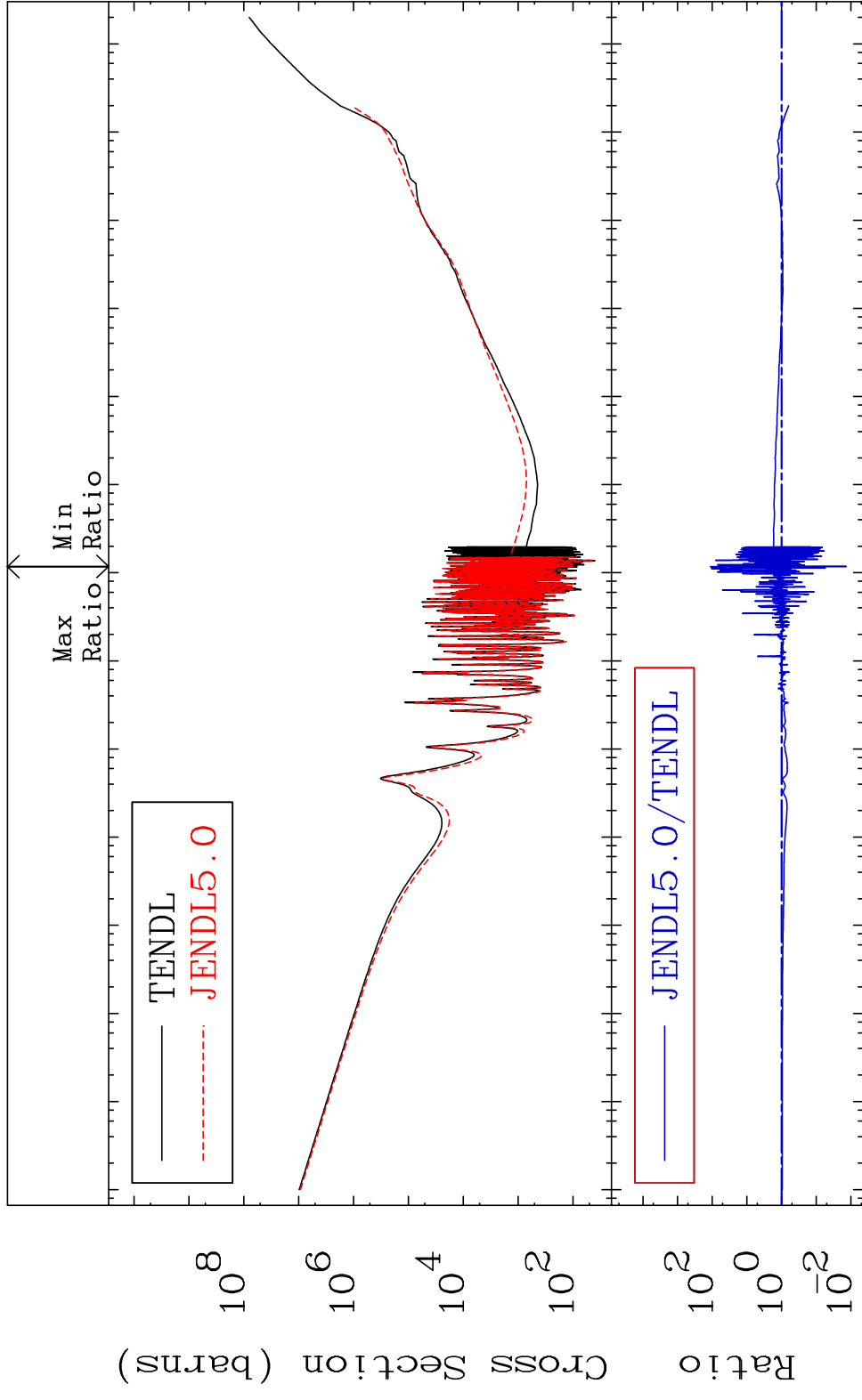


MAT 6325 Total photon (eV-barns) 63-Eu-151
Cross Section -98.81 To 9999. %



45 63-Eu-151

MAT 6325 Total kinematic kerma (high limit) 63-Eu-151
 Cross Section -98.65 To 9999. %

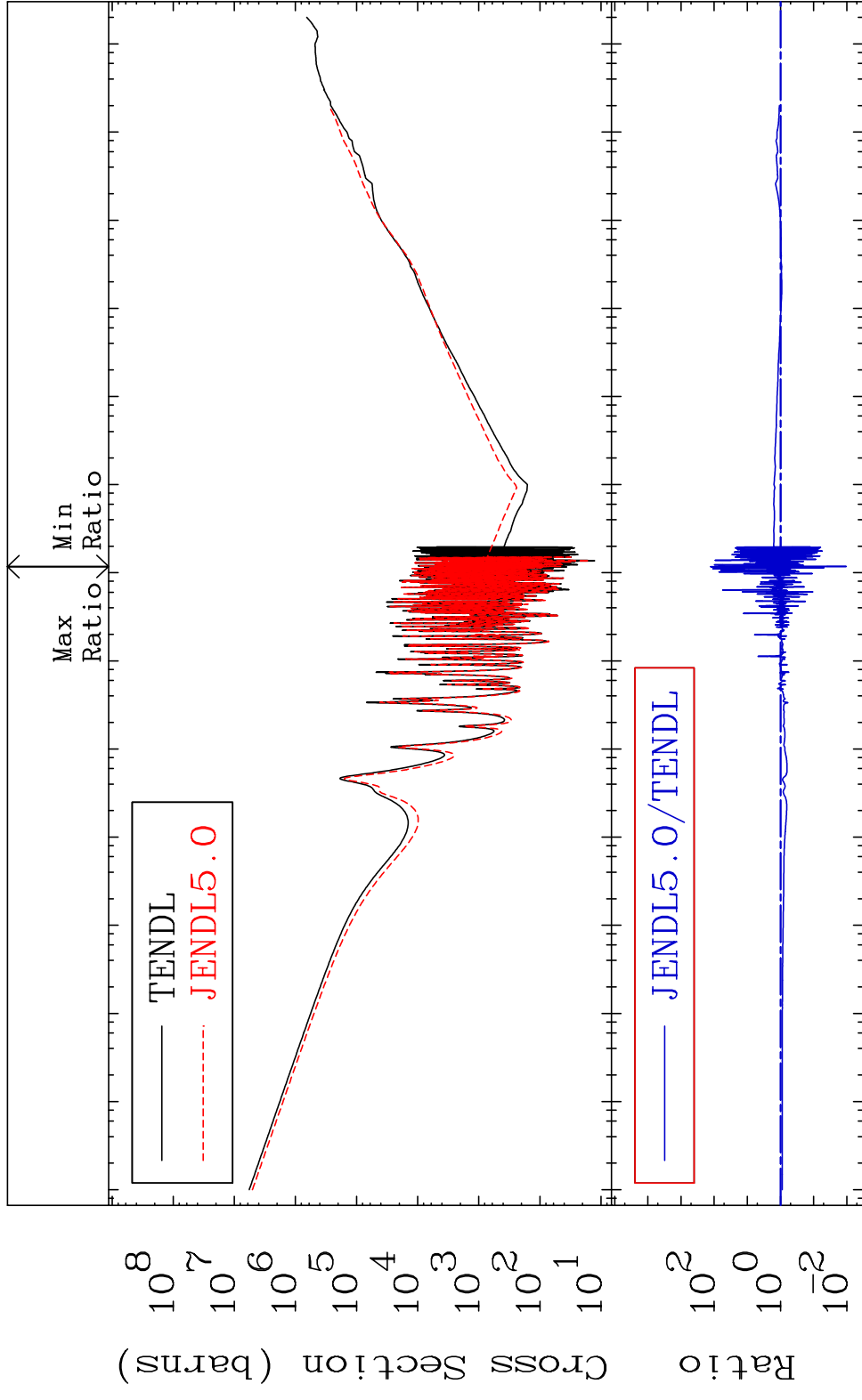


MAT 6325

Dpa total (eV-barns)

63-Eu-151

Cross Section -98.97 To 9999. %



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Incident Energy (eV)

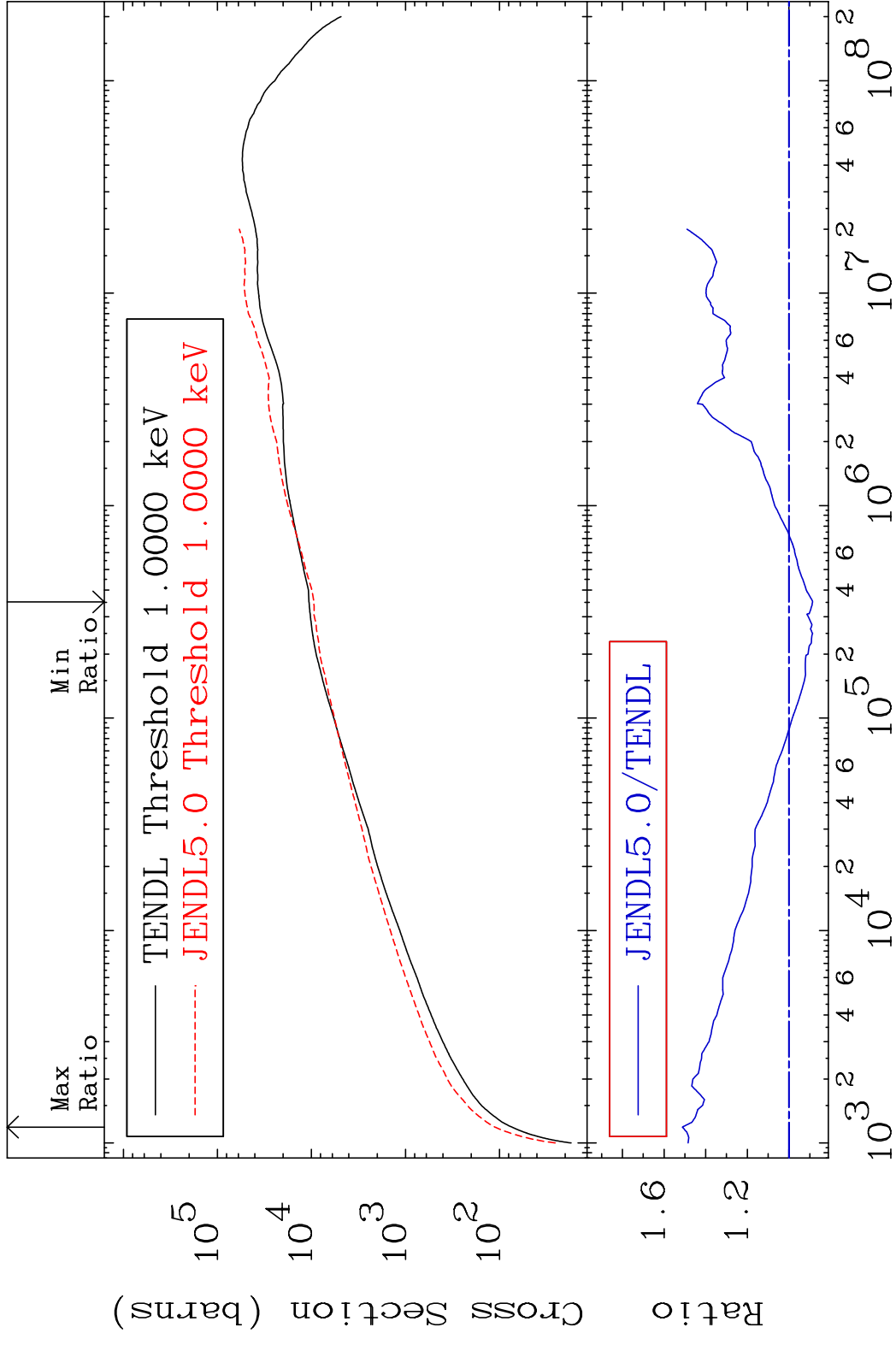
63-Eu-151

MAT 6325

Dpa elastic (mt2)

63-Eu-151

Cross Section -11.33 To 51.21 %

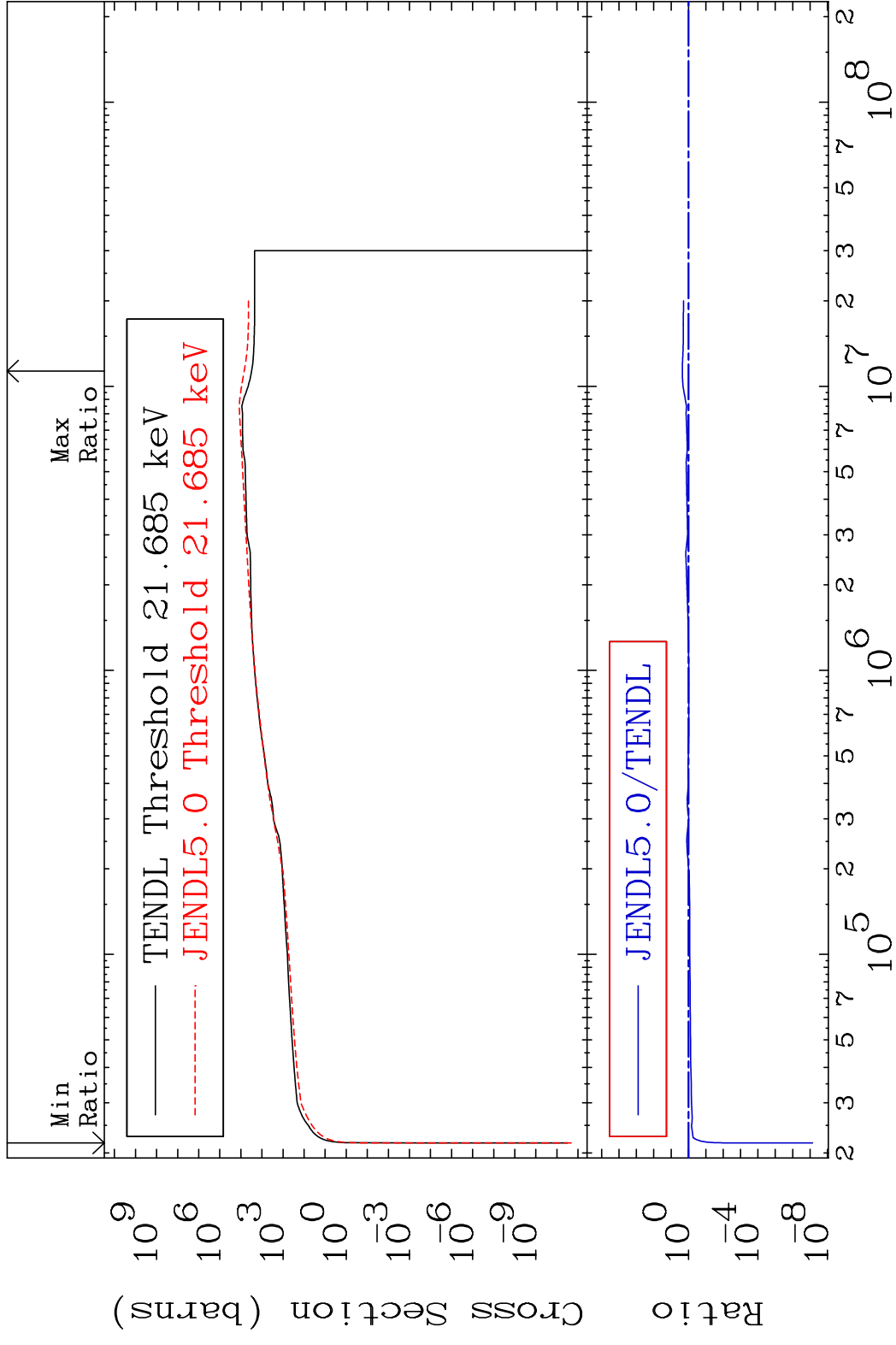


48

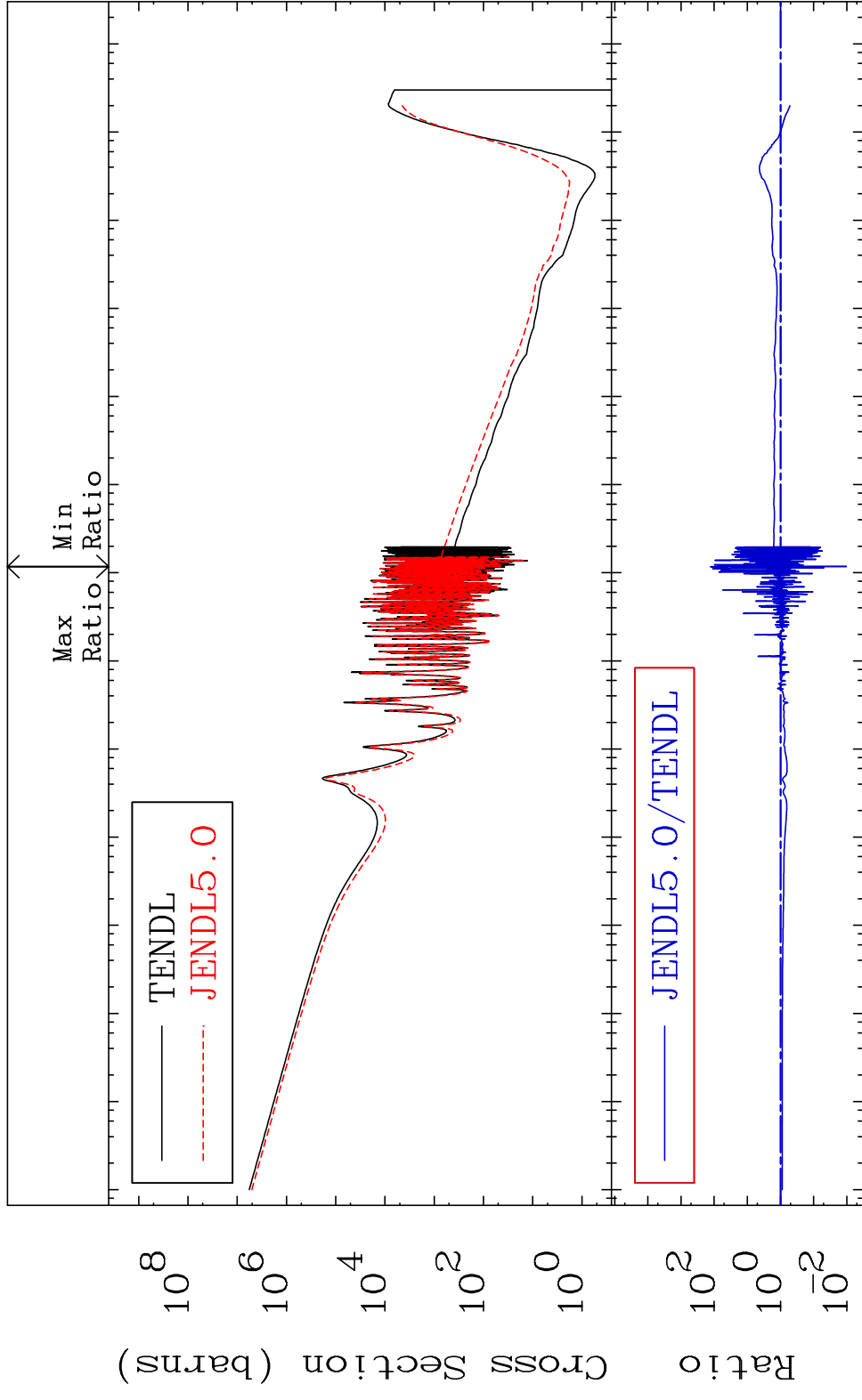
Incident Energy (eV)

63-Eu-151

MAT 6325 Dpa inelastic (mt51-91) 63-Eu-151
 Cross Section -100.0 To 125.5 %

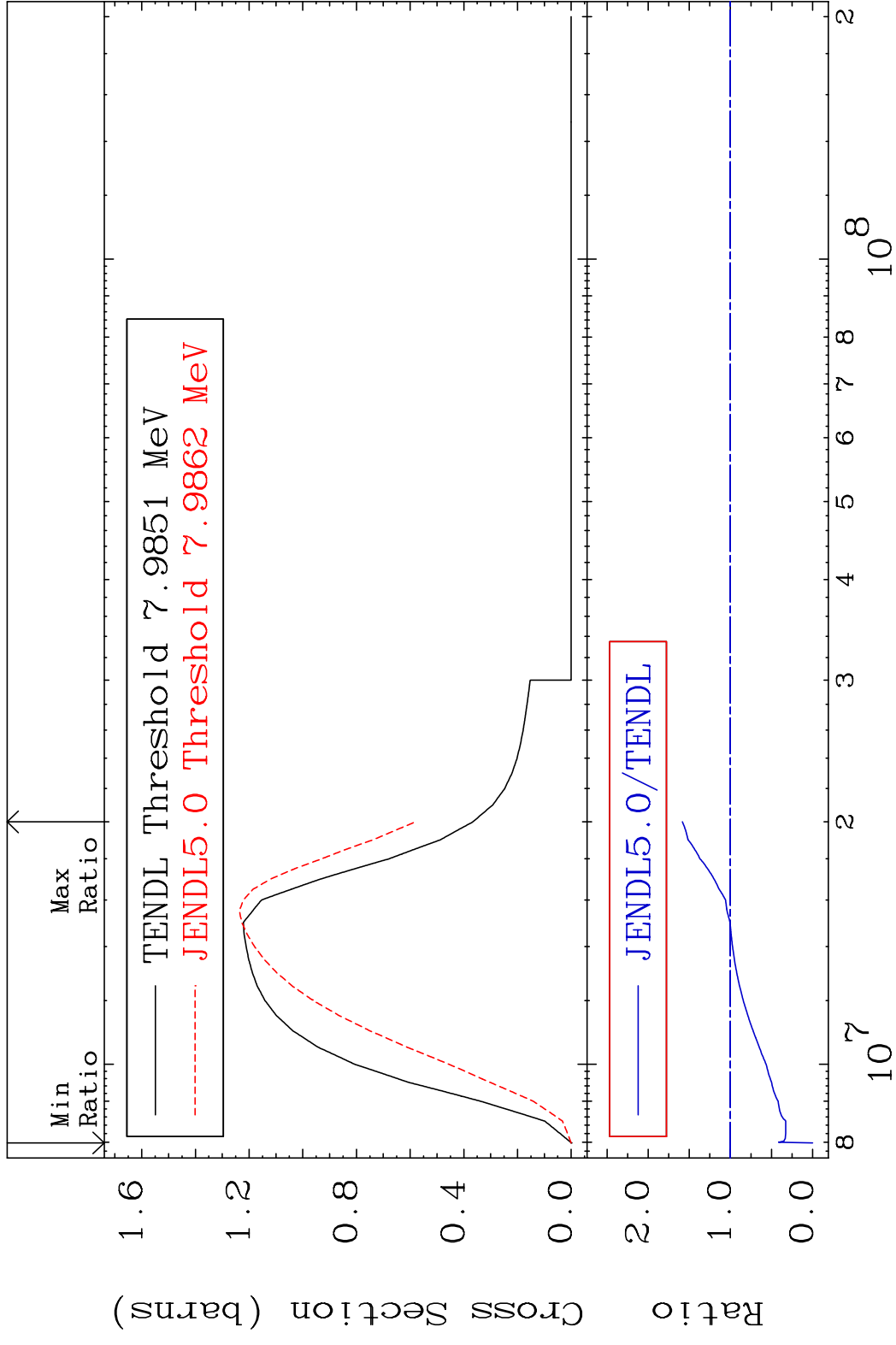


MAT 6325 Dpa disappearance (mt102 -120) 63-Eu-151
 Cross Section -98.97 To 9999. %



50 Incident Energy (eV) 63-Eu-151

MAT 6325 (n,2n):63-Eu-150g 63-Eu-151
 Radionuclide Production Cross Section Ratio 58.44 %



MAT 6325 (n,2n):63-Eu-150m1 63-Eu-151
 Radionuclide Production Cross Section 18.00 mb 17.49 %

