

Program Complot
(Version 2021-1)

by

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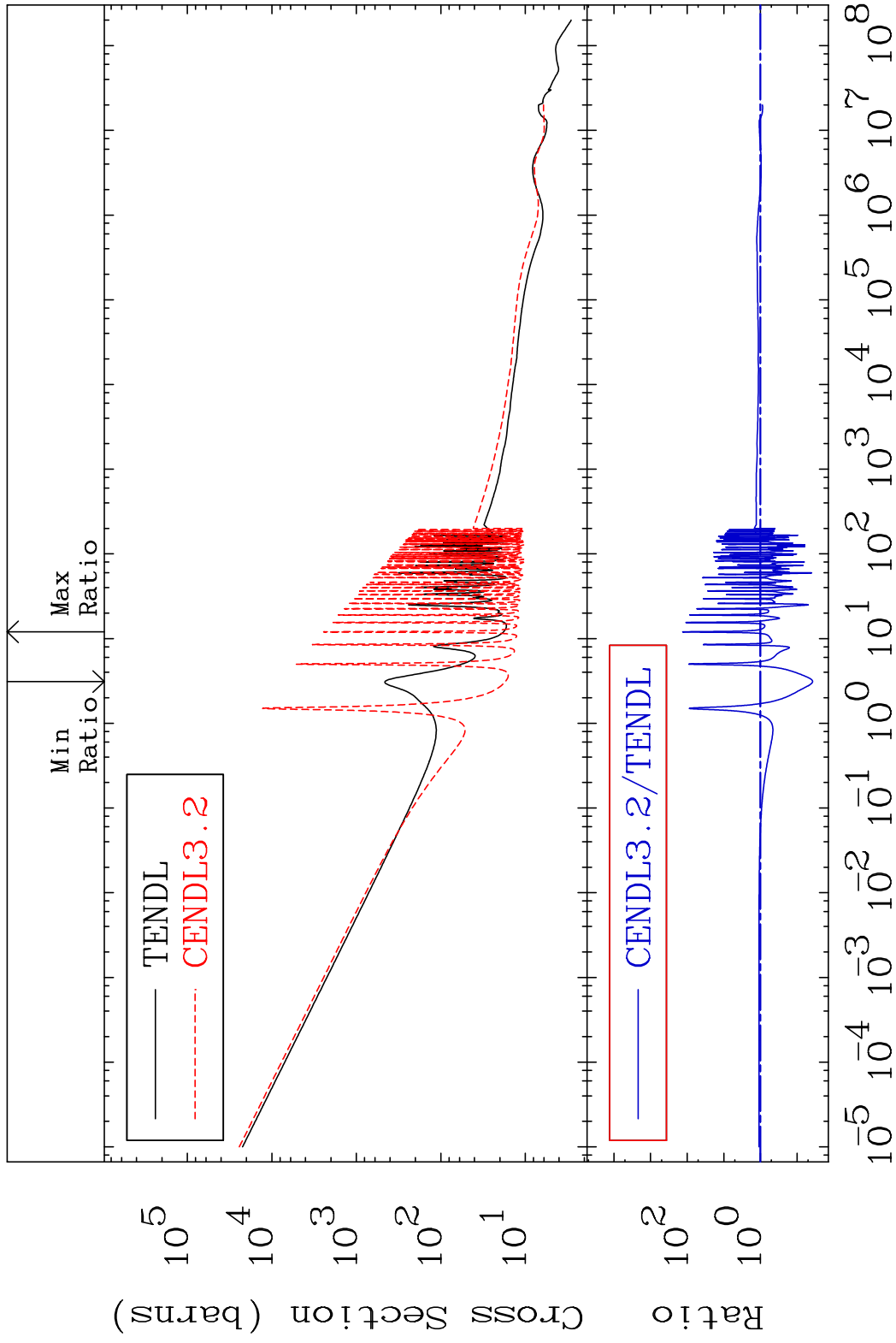
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9234

Total Cross Section -96.24 To 9999. %

92-U -237



1

Incident Energy (eV)

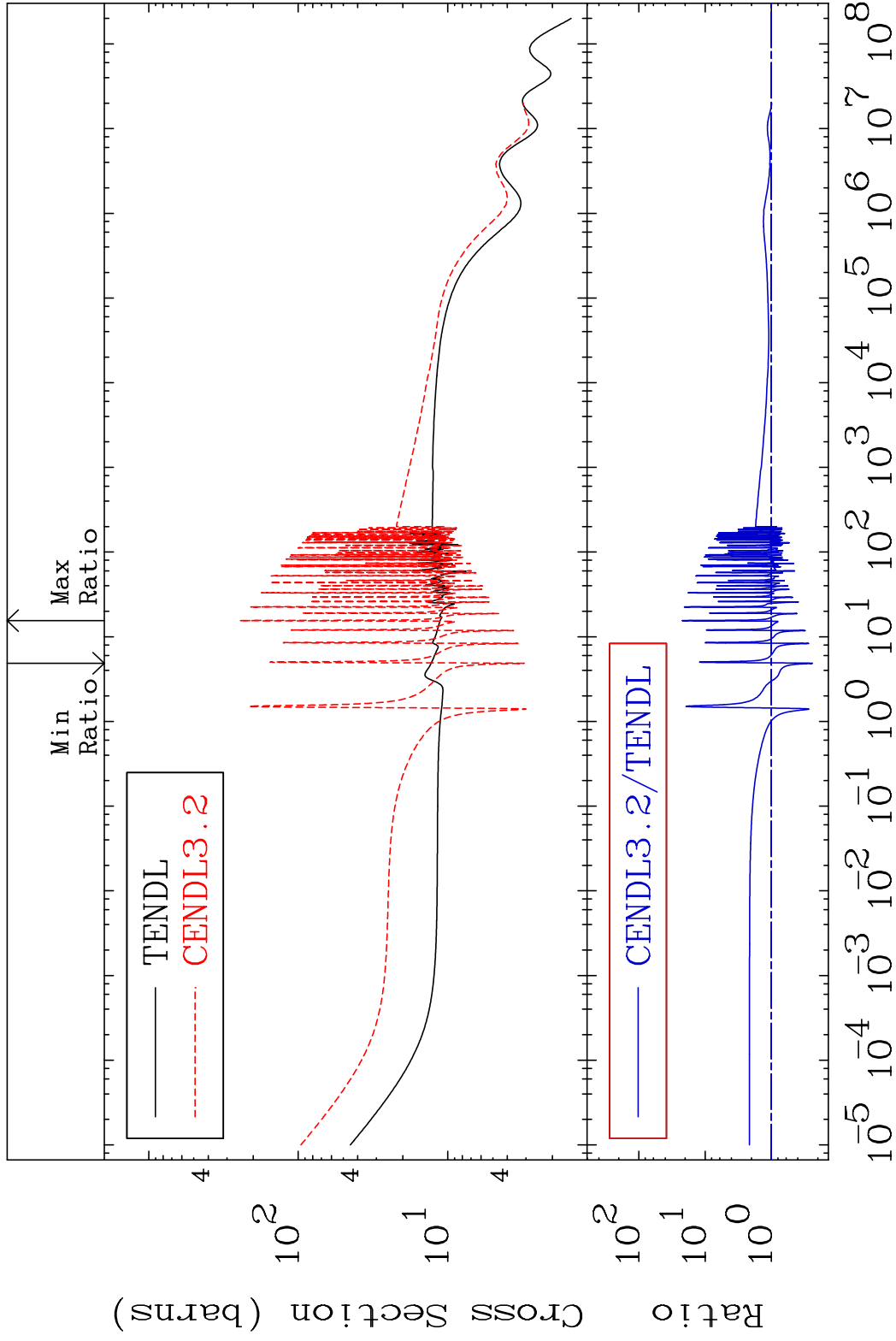
92-U -237

MAT 9234

Elastic

92-U -237

Cross Section -76.03 To 2103. %

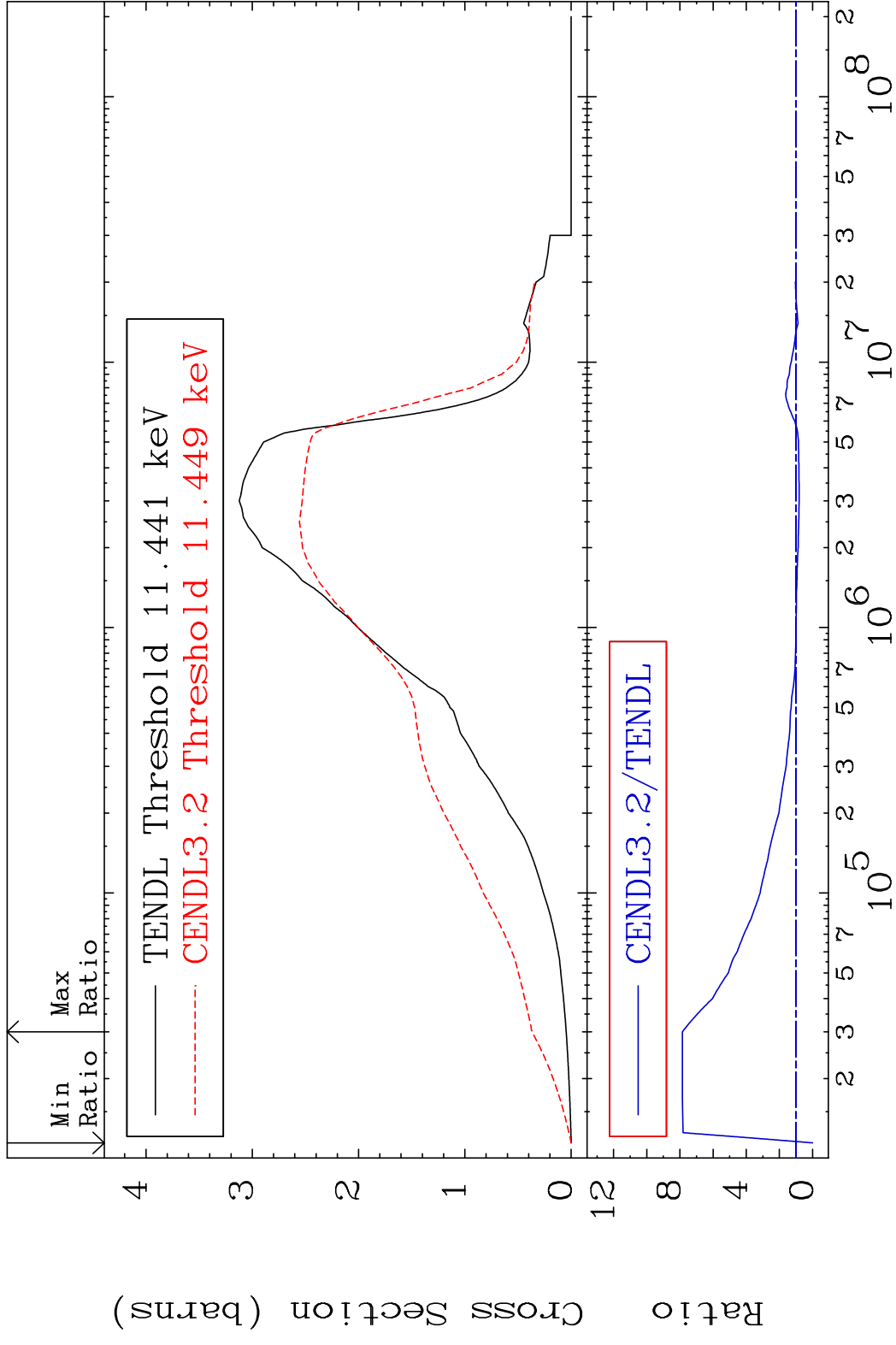


2

Incident Energy (eV)

92-U -237

MAT 9234 Inelastic 92-U -237
 Cross Section -100.0 To 685.3 %



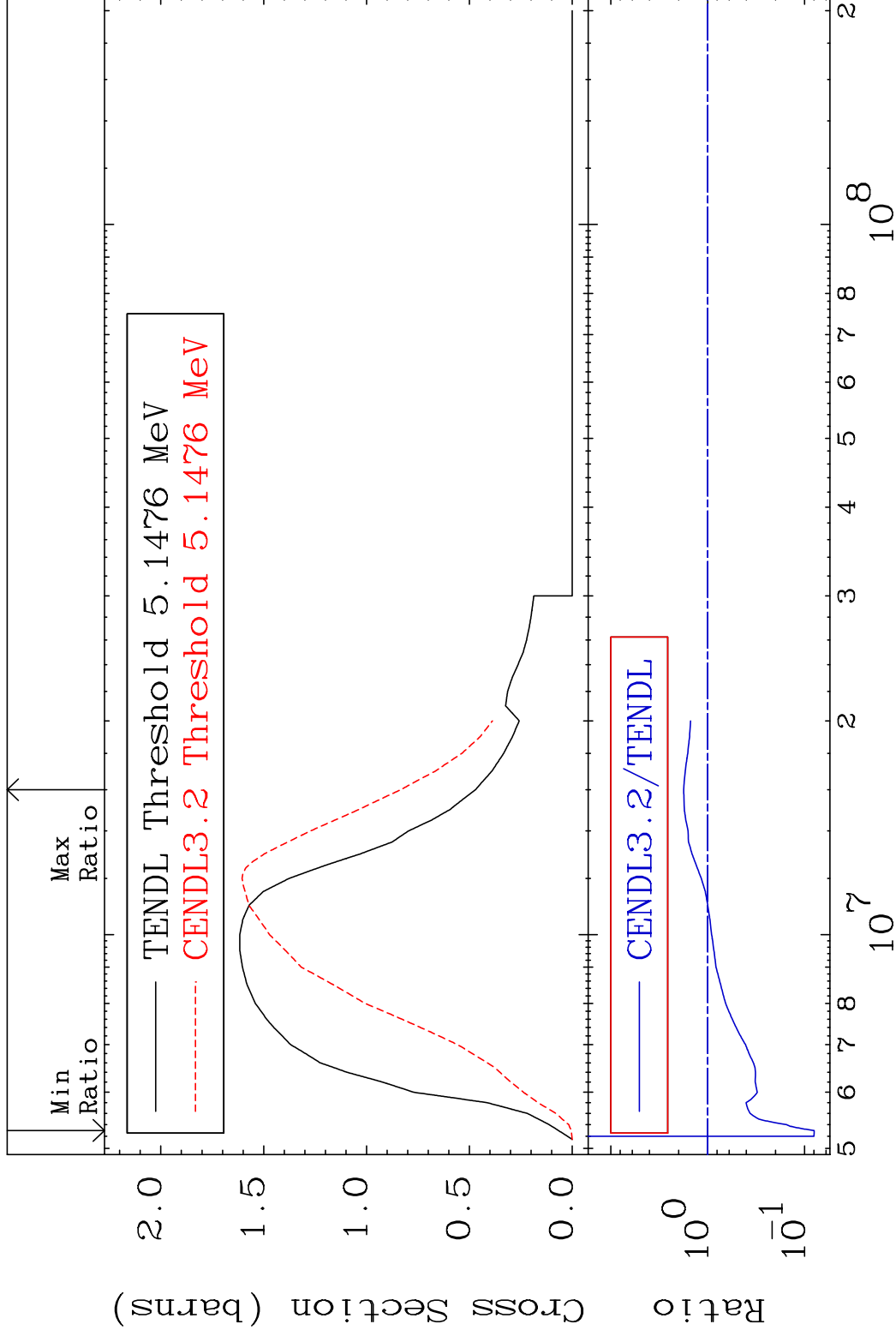
3 Incident Energy (eV) 92-U -237

MAT 9234

(n,2n)

92-U -237

Cross Section -92.02 To 77.23 %



4

Incident Energy (eV)

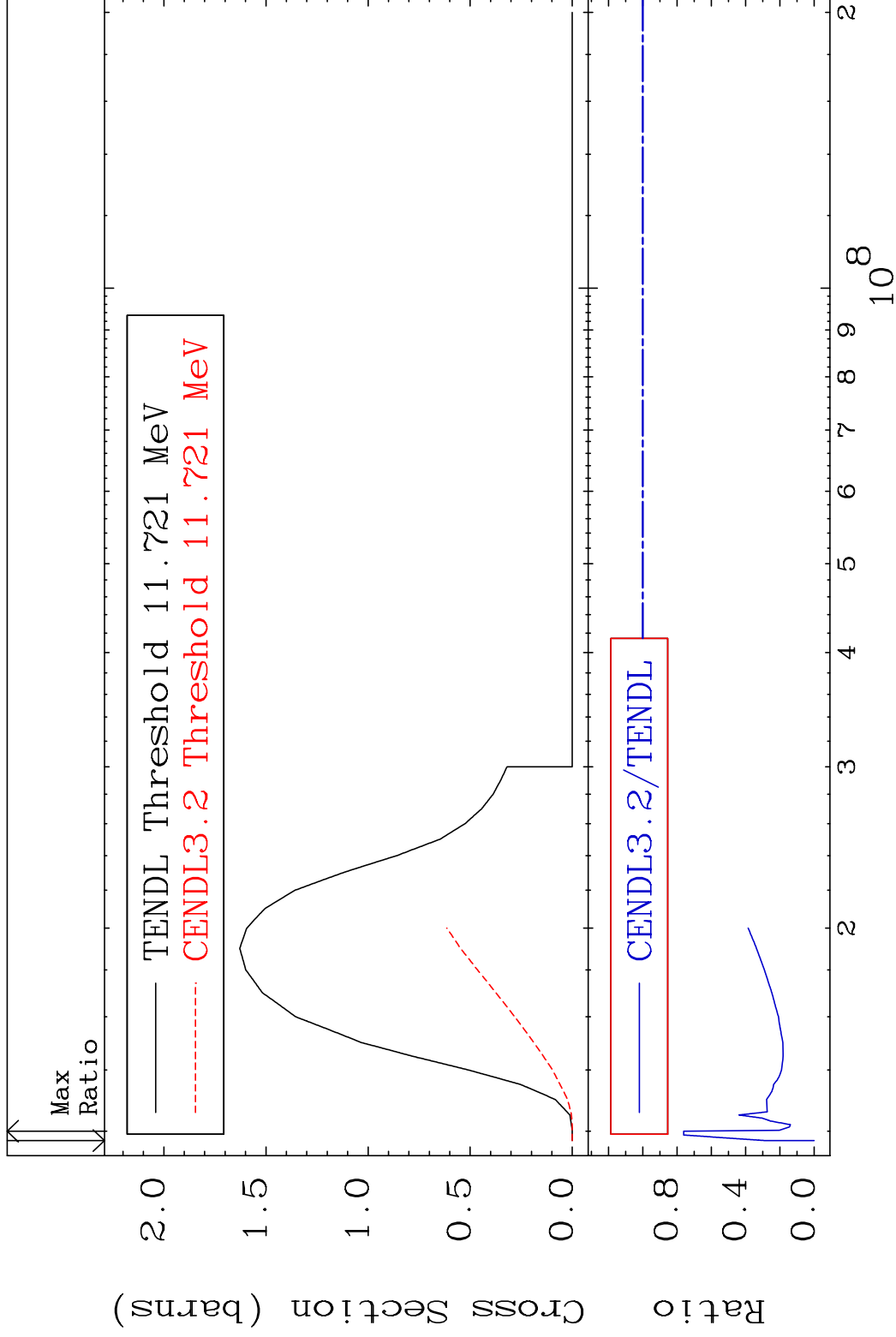
92-U -237

MAT 9234

(n,3n)

92-U -237

Cross Section -100.0 To -23.83%



5

Incident Energy (eV)

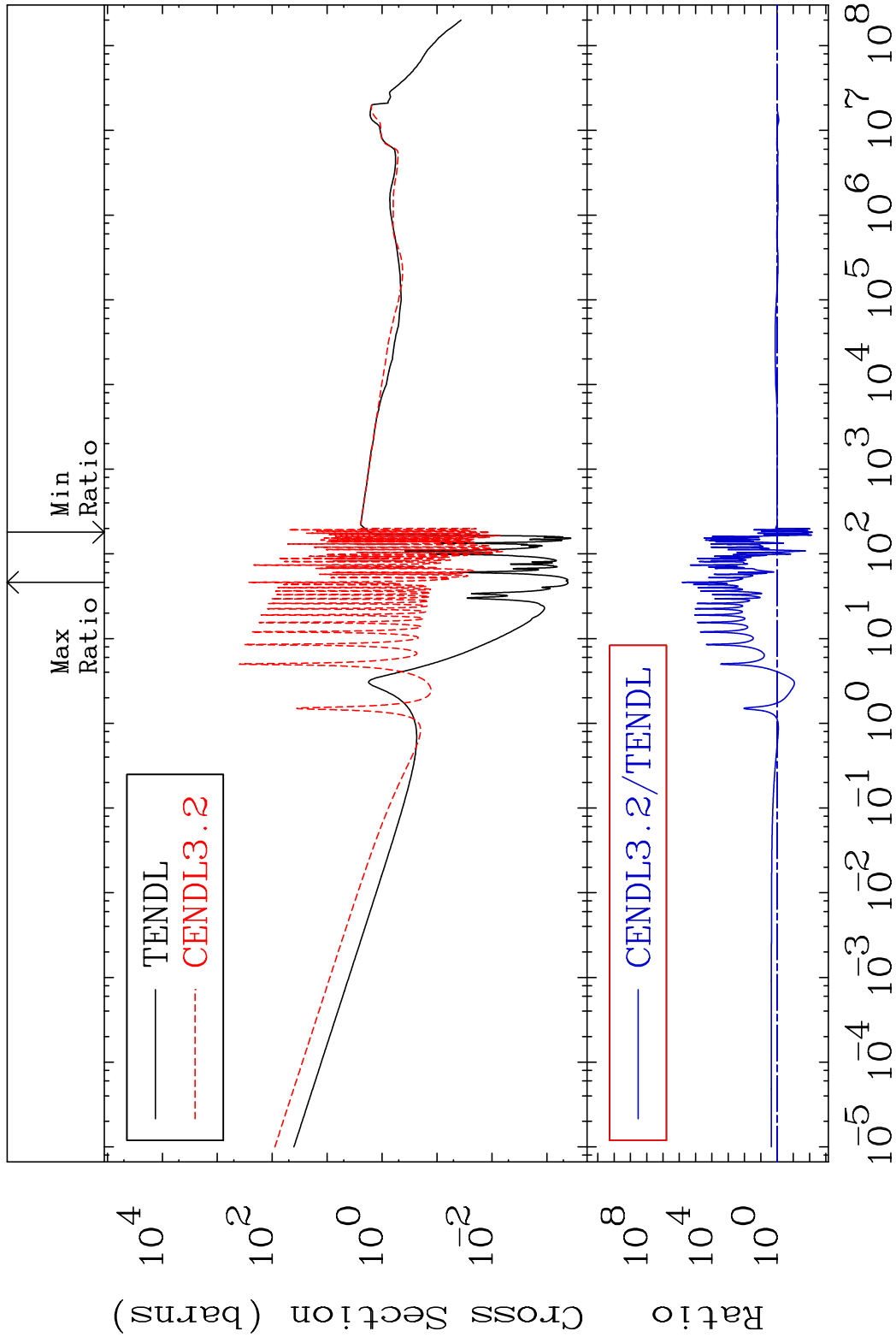
92-U -237

MAT 9234

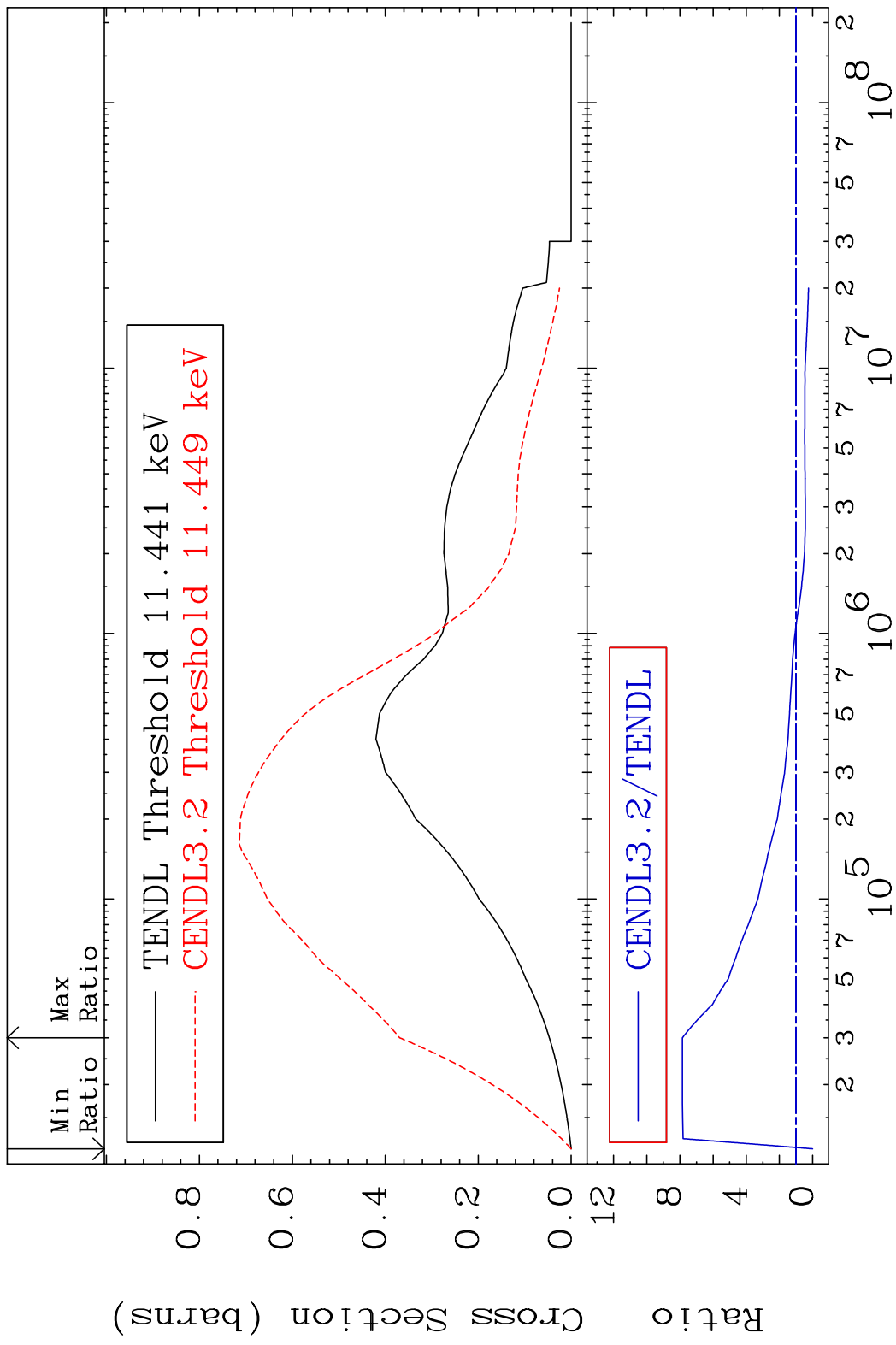
92-U -237

Fission

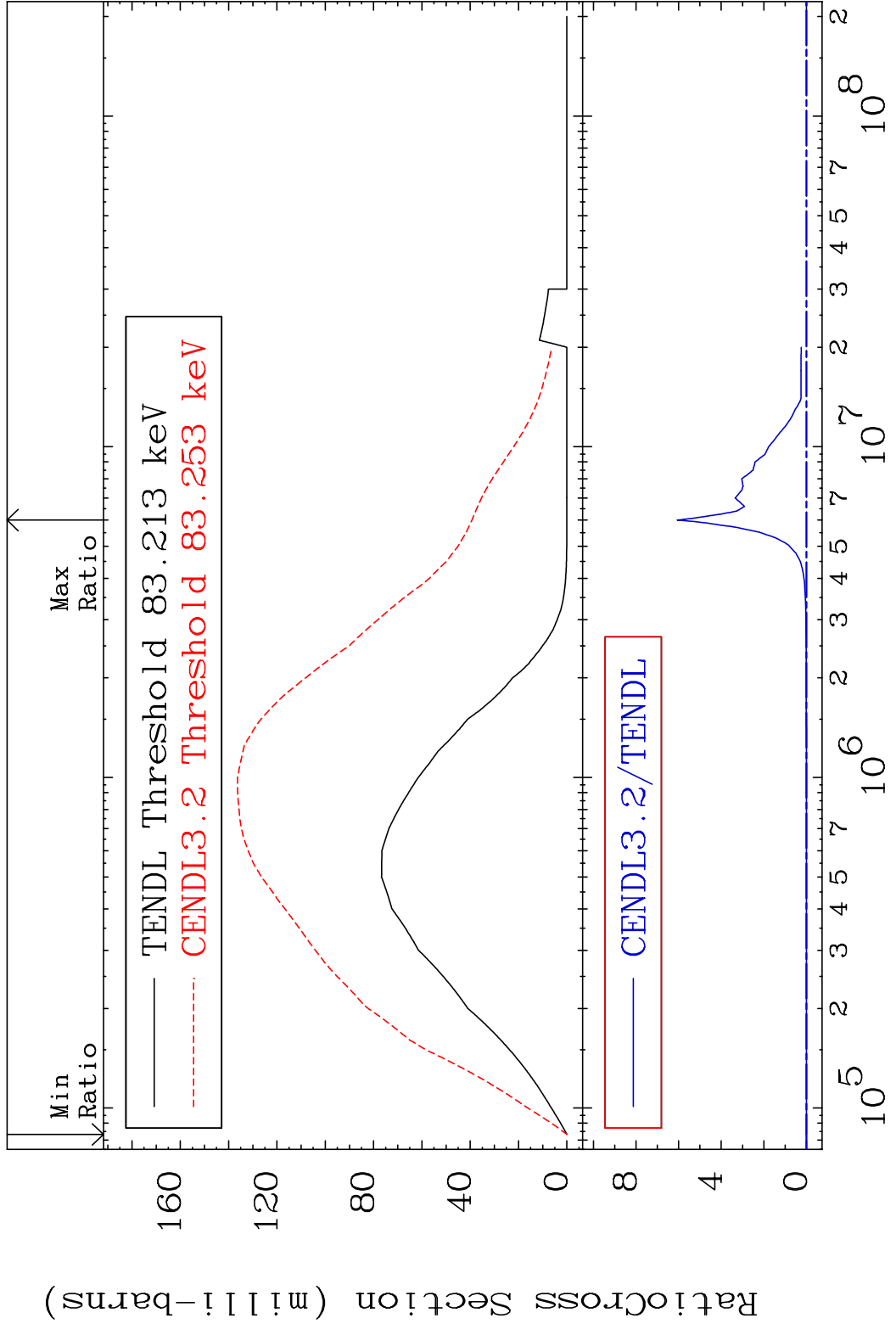
Cross Section -99.34 To 9999. %



MAT 9234 MT= 51 (n,n') Level 92-U -237
 Cross Section -100.0 To 685.3 %

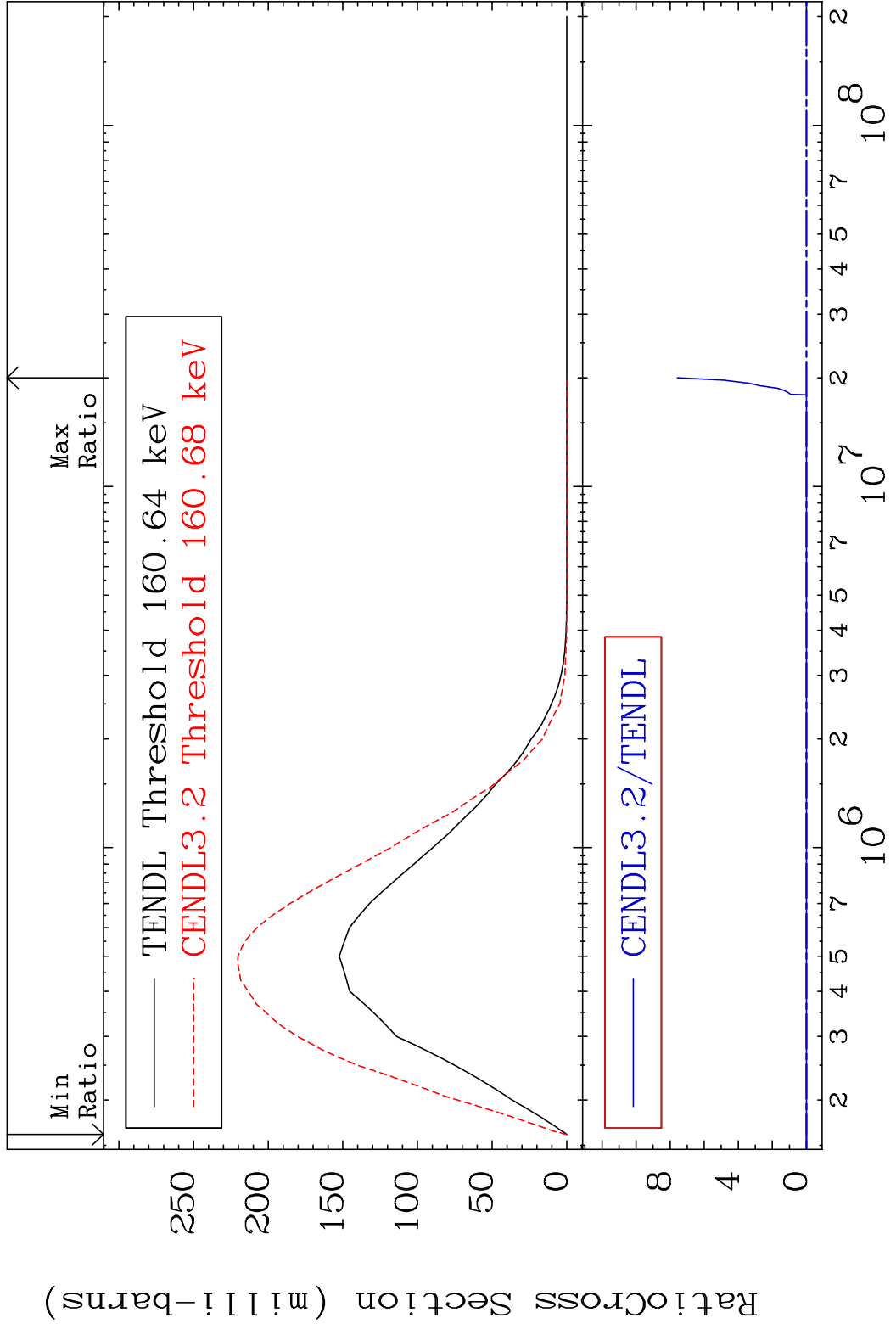


MAT 9234 MT= 53 (n, n') Level 92-U -237
 Cross Section -100.0 To 9999. %



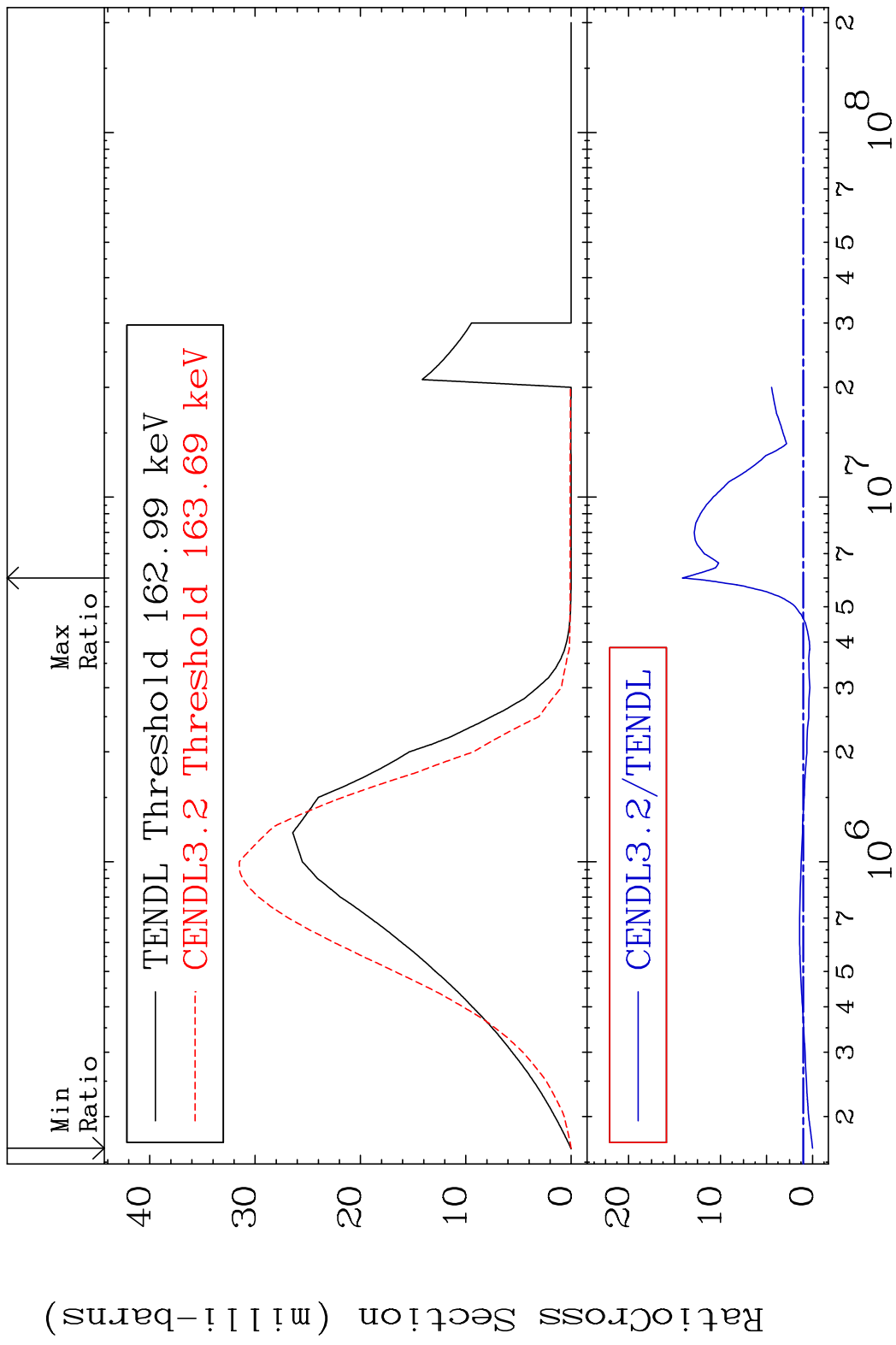
9 92-U -237

MAT 9234 MT= 54 (n,n') Level 92-U -237
 Cross Section -100.0 To 9999. %

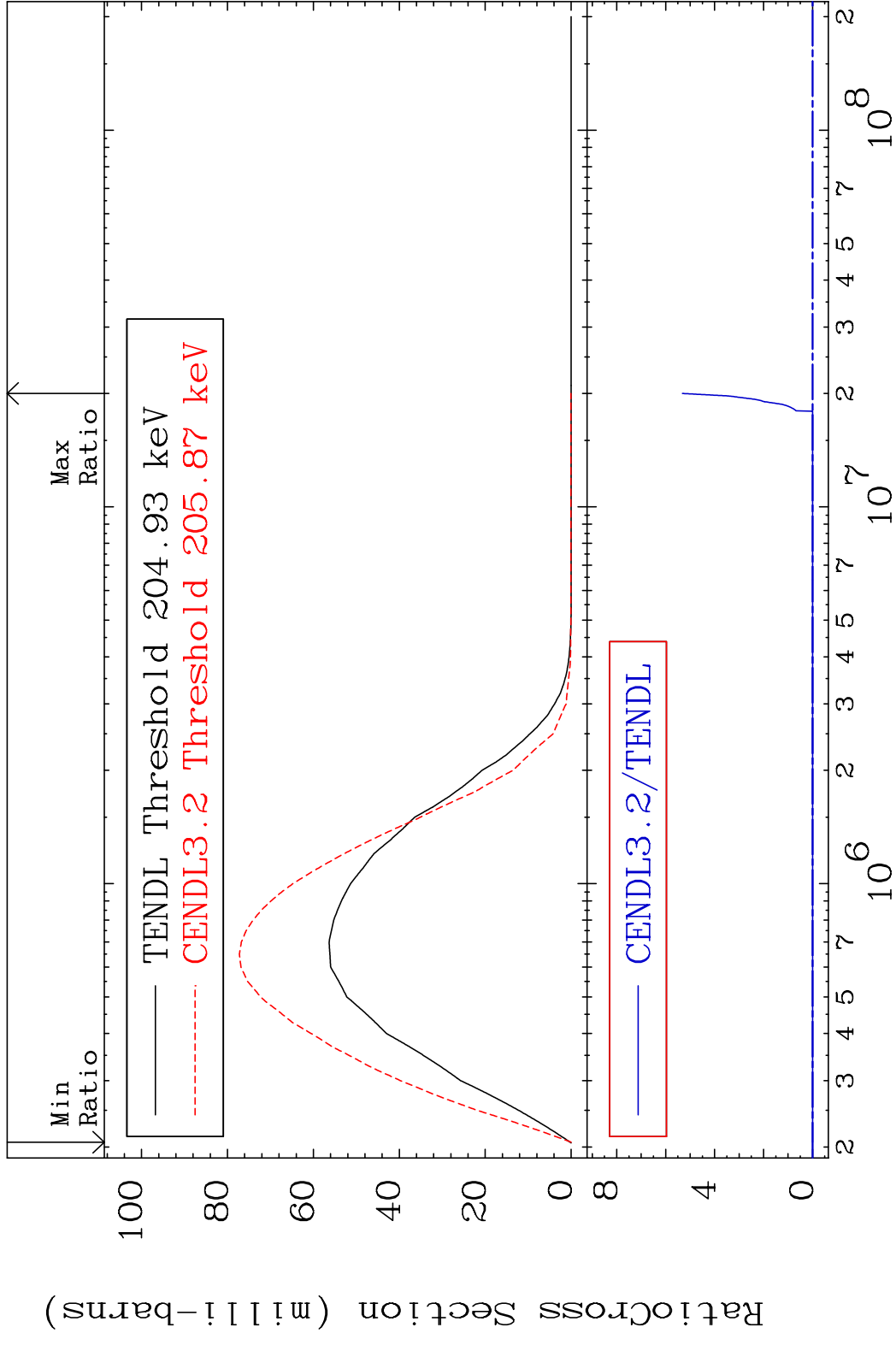


10 Incident Energy (eV) 92-U -237

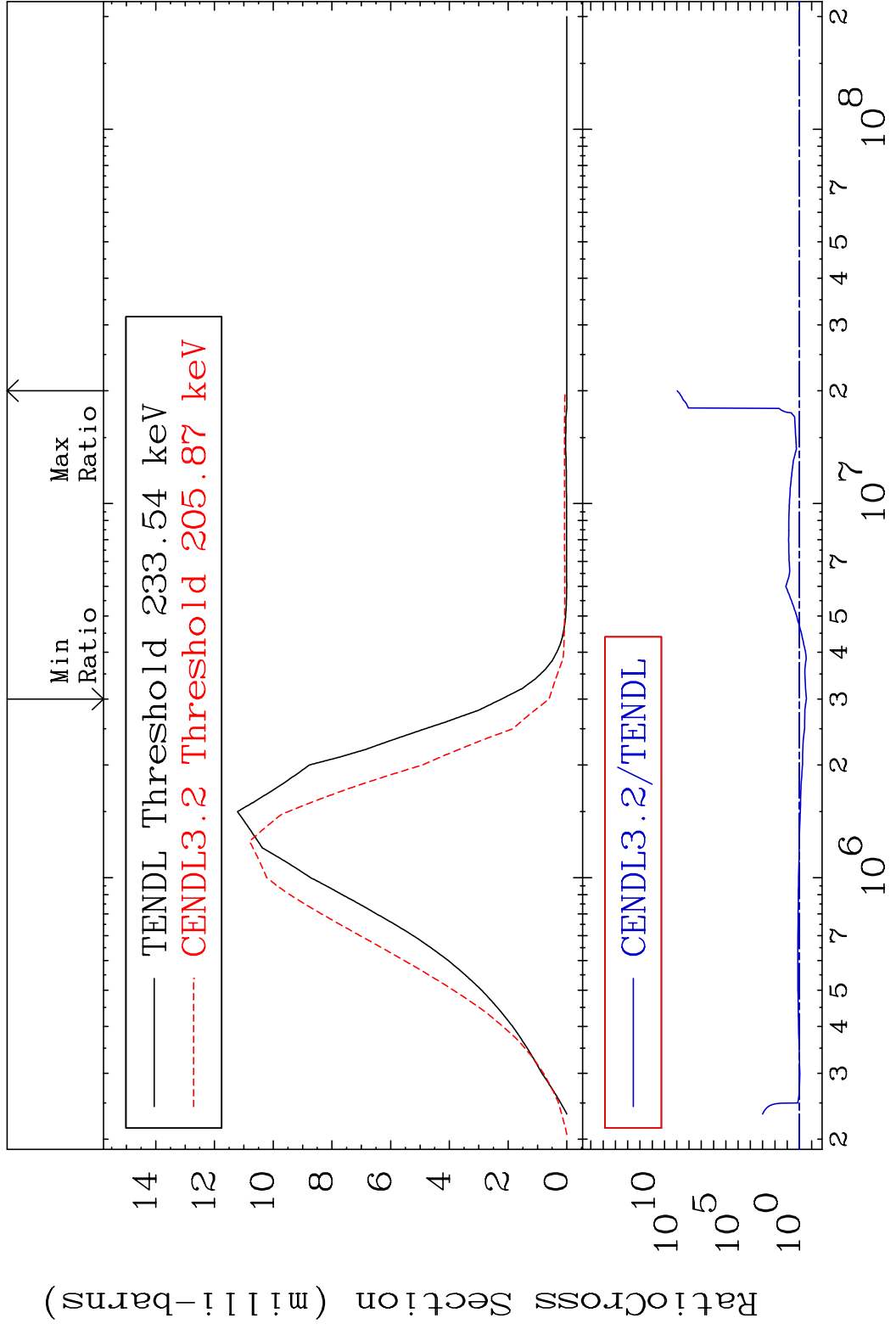
MAT 9234 MT= 55 (n, n') Level 92-U -237
 Cross Section -100.0 To 1315. %



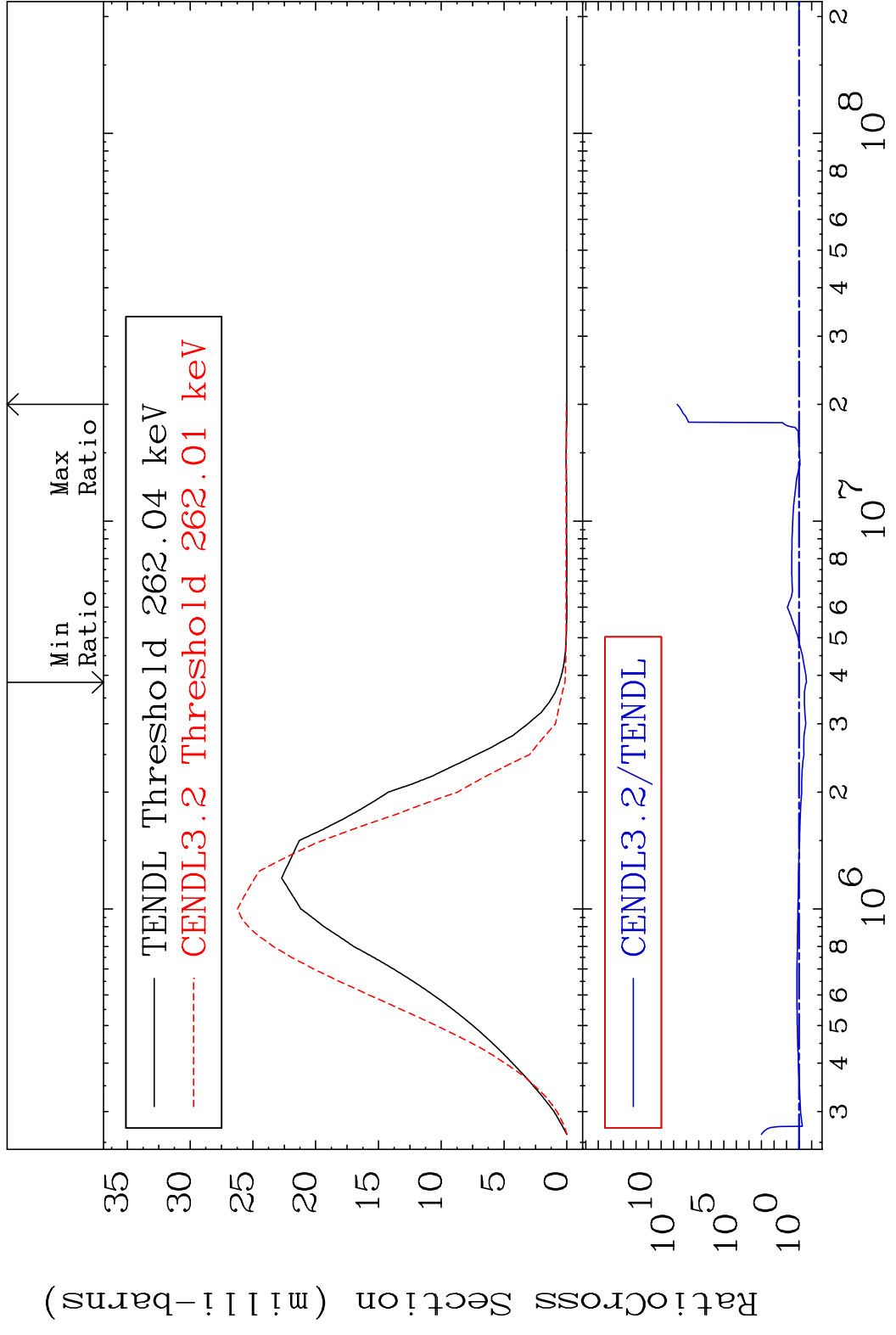
MAT 9234 MT= 56 (n,n') Level 92-U -237
 Cross Section -100.0 To 9999. %



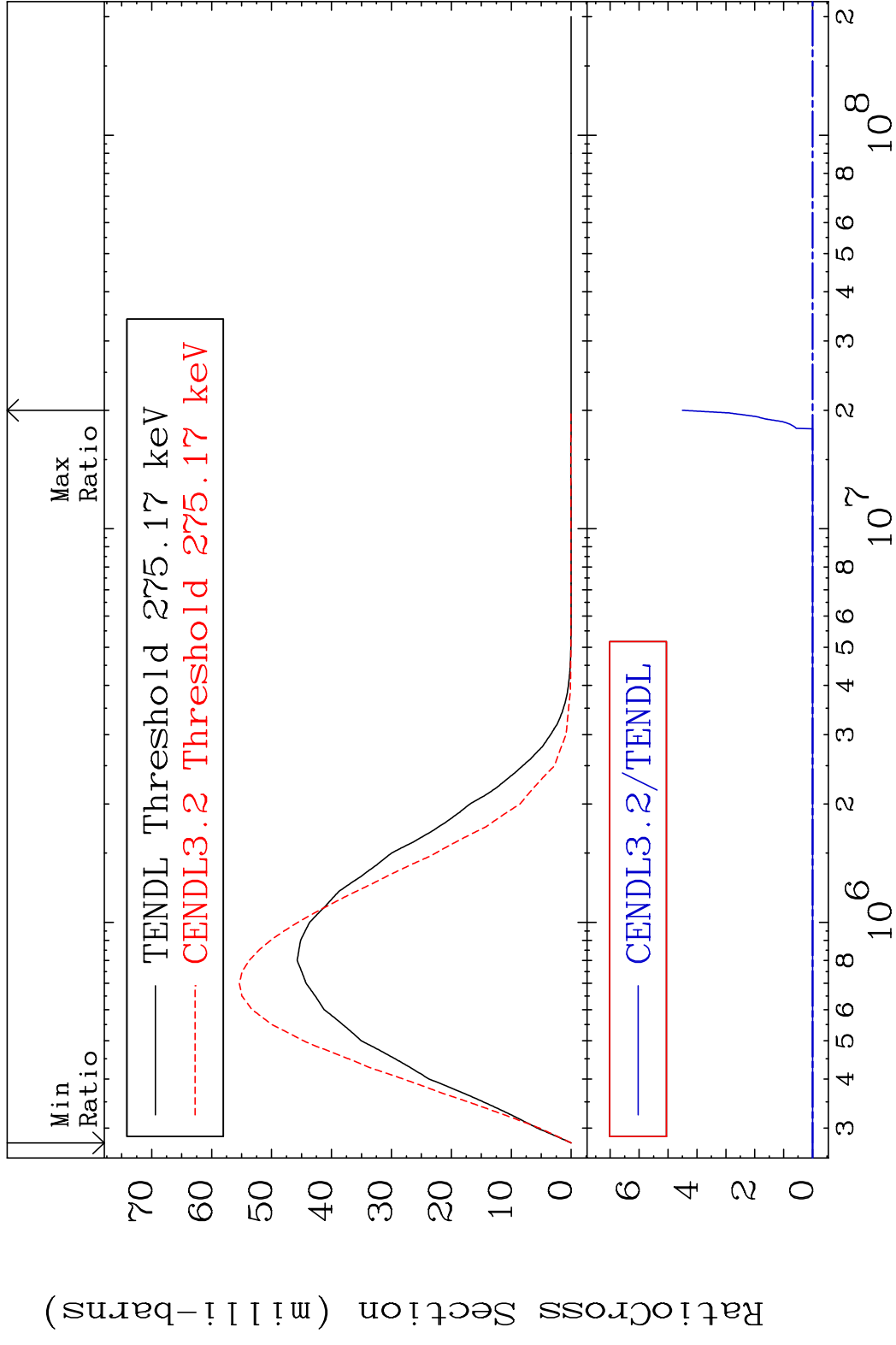
MAT 9234 MT= 57 (n, n') Level 92-U -237
 Cross Section -72.82 To 9999. %



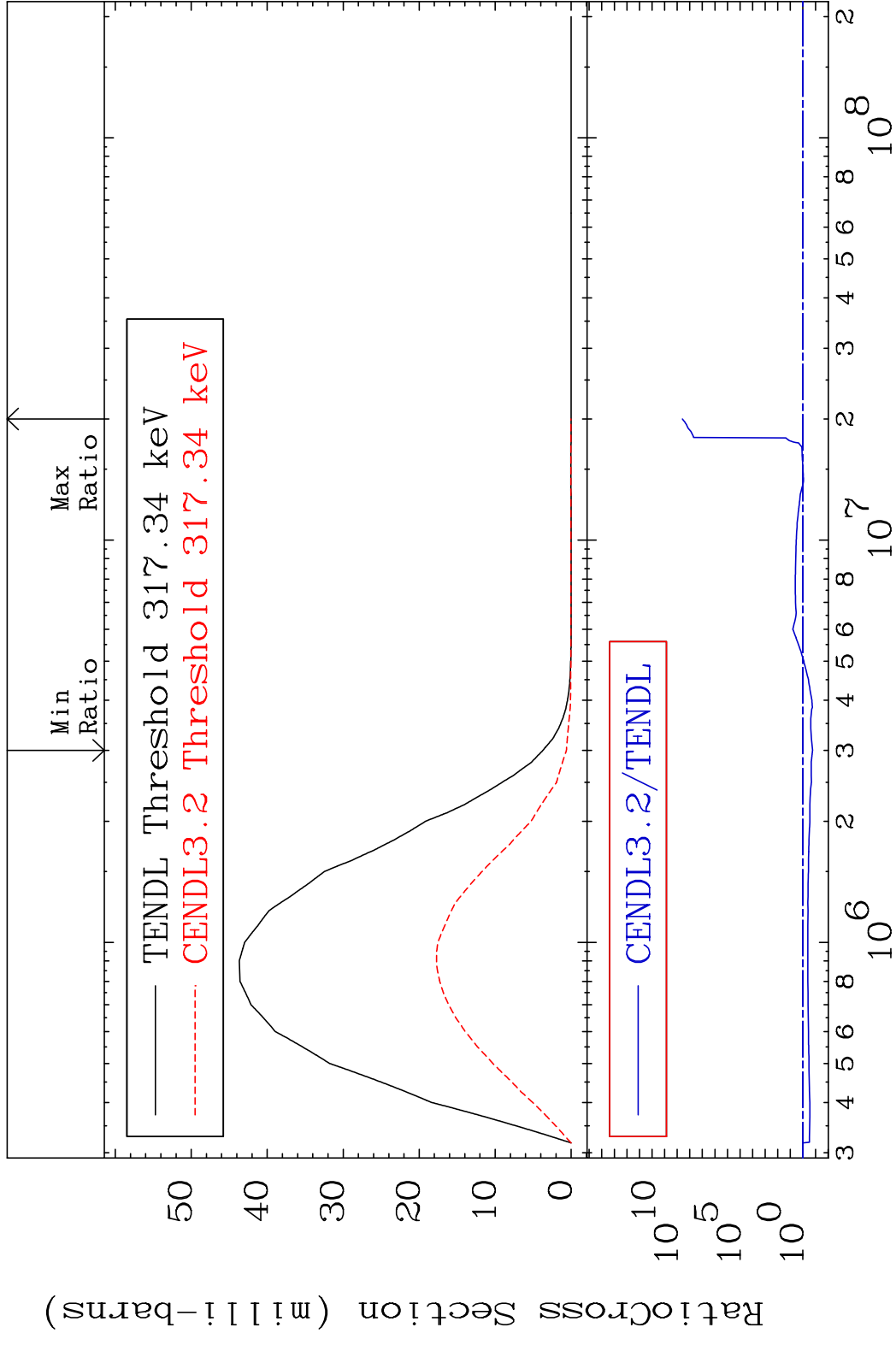
MAT 9234 MT= 58 (n,n') Level 92-U -237
 Cross Section -73.84 To 9999. %



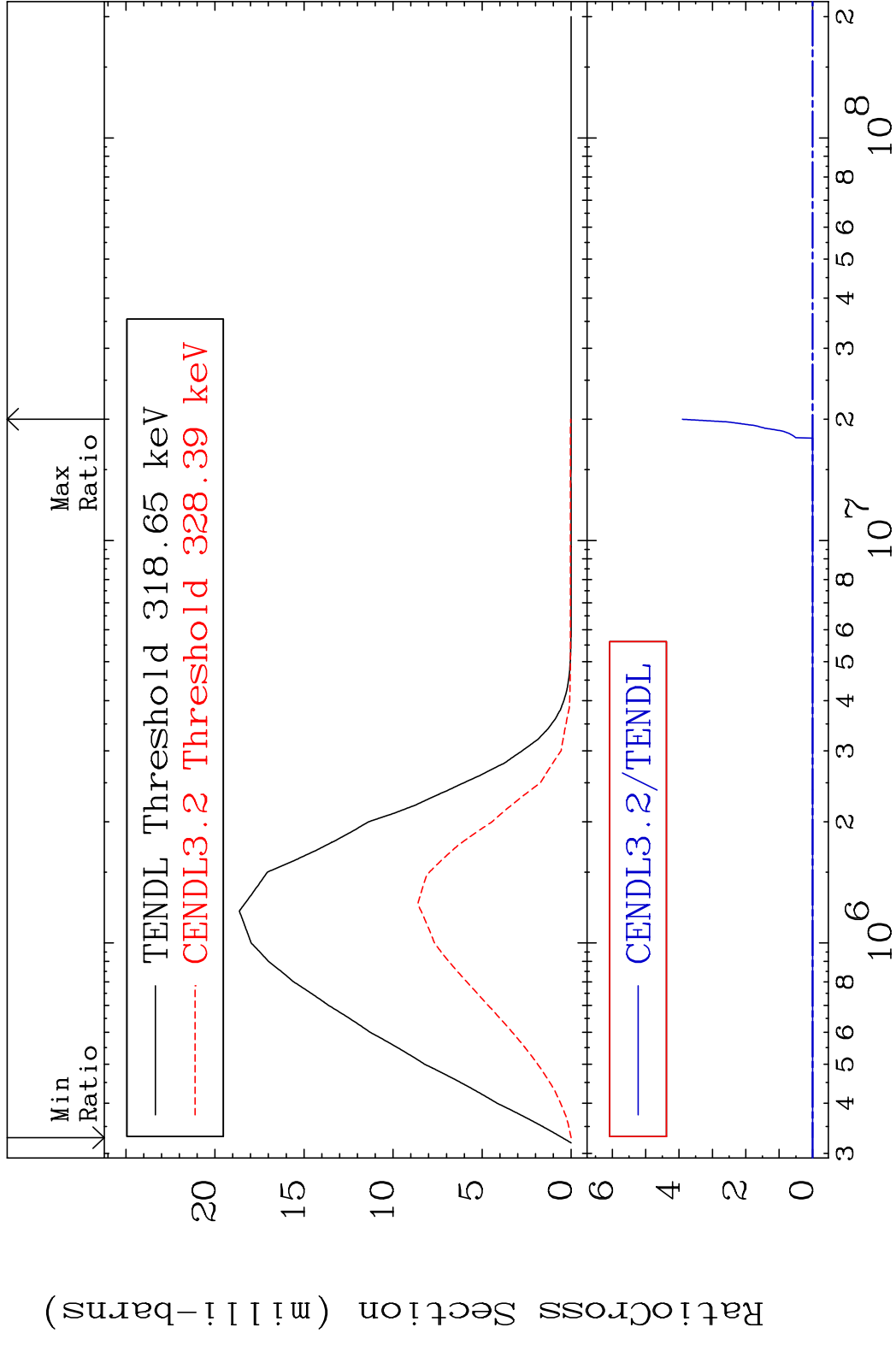
MAT 9234 MT= 59 (n,n') Level 92-U -237
 Cross Section -100.0 To 9999. %



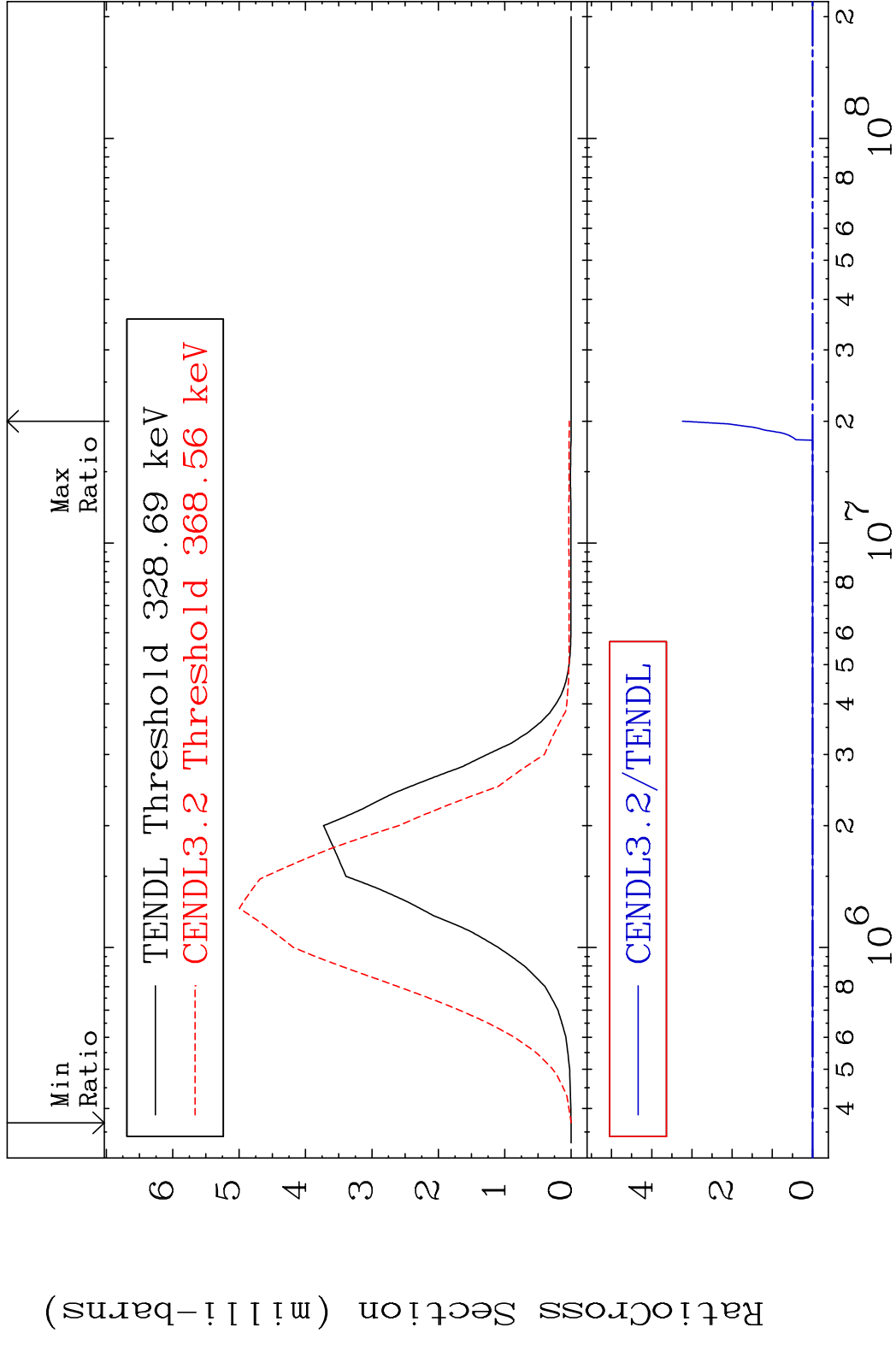
MAT 9234 MT= 60 (n,n') Level 92-U -237
 Cross Section -82.99 To 9999. %



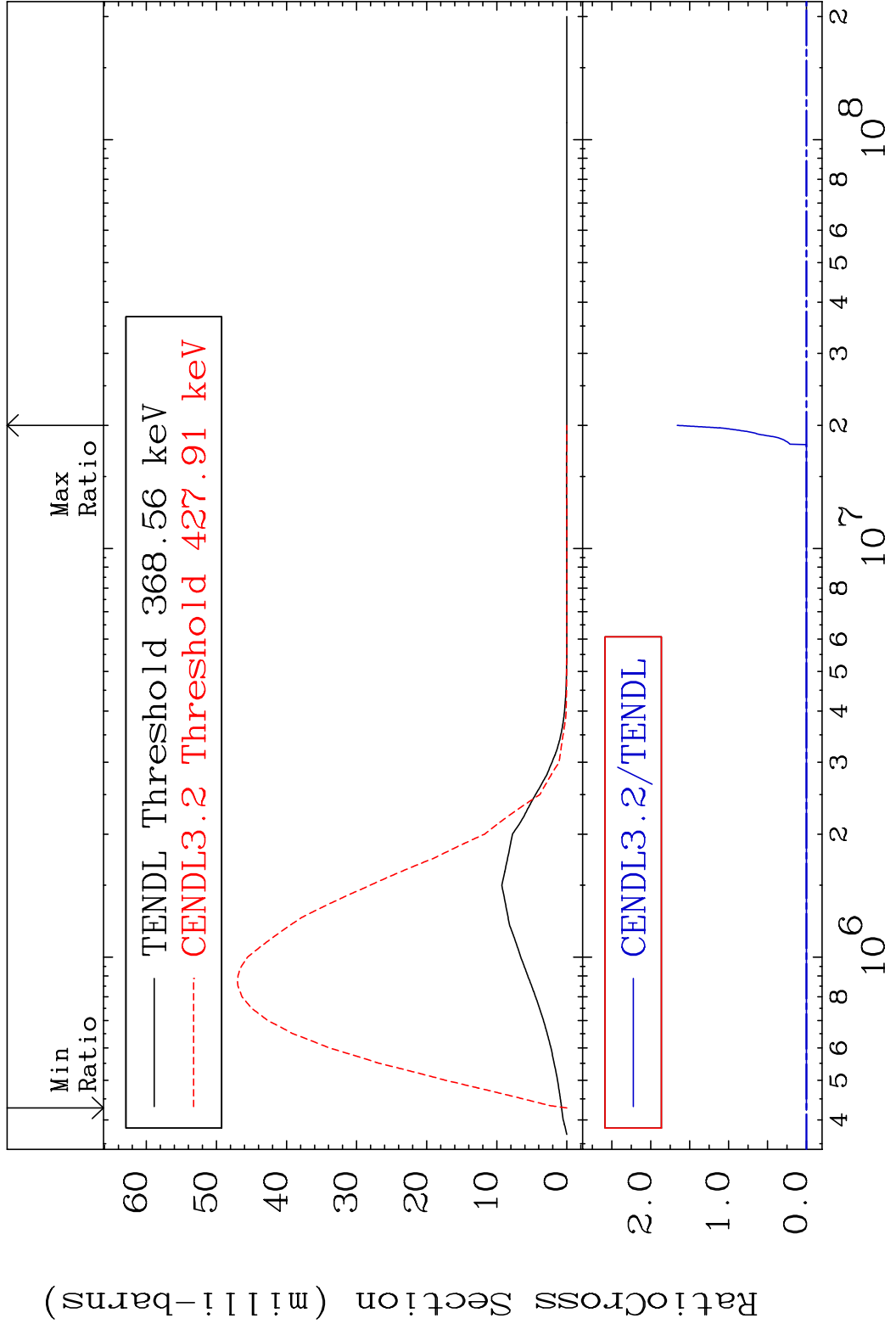
MAT 9234 MT= 61 (n,n') Level 92-U -237
 Cross Section -100.0 To 9999. %



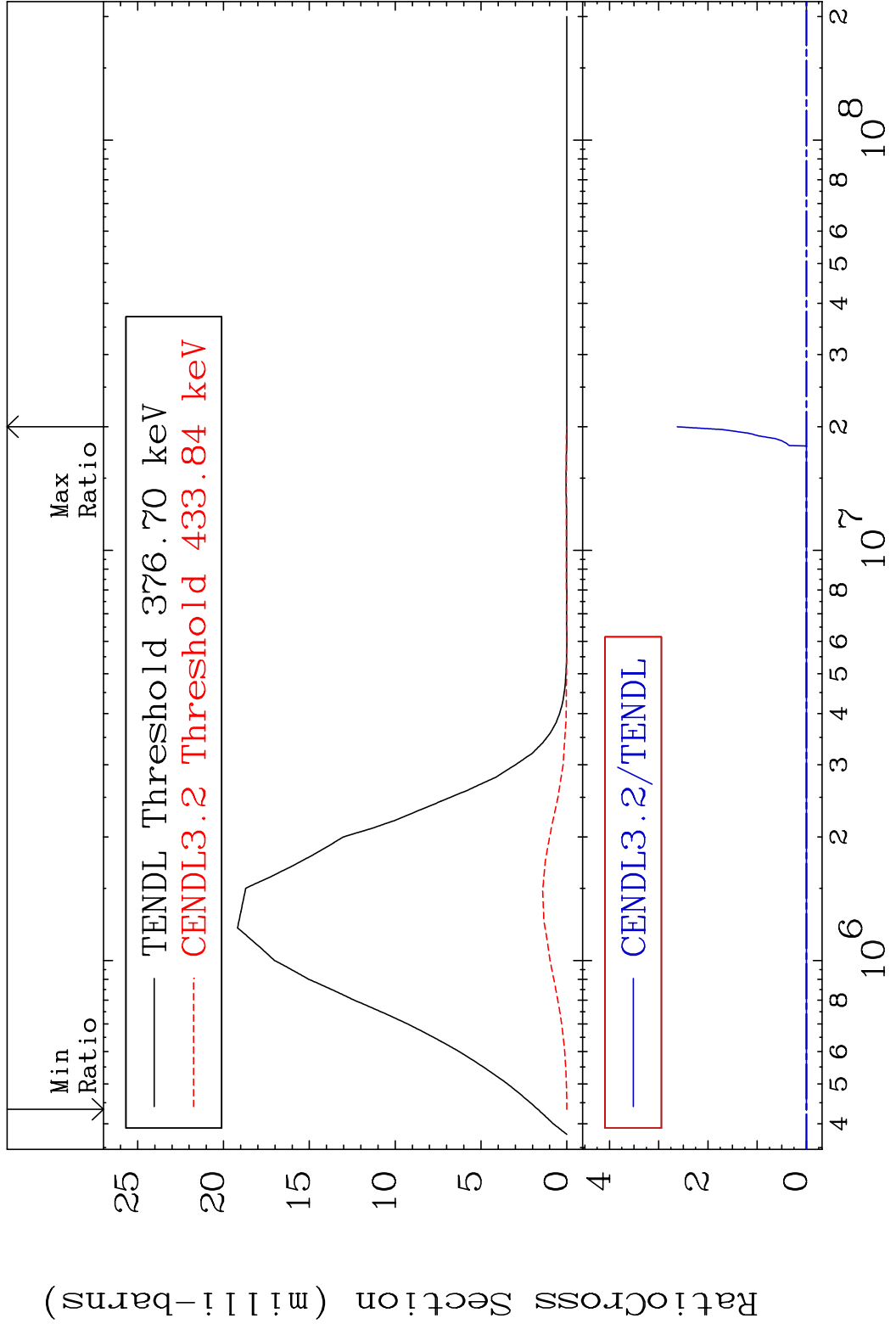
MAT 9234 MT= 62 (n, n') Level 92-U -237
 Cross Section -100.0 To 9999. %



MAT 9234 MT= 63 (n,n') Level 92-U -237
 Cross Section -100.0 To 9999. %

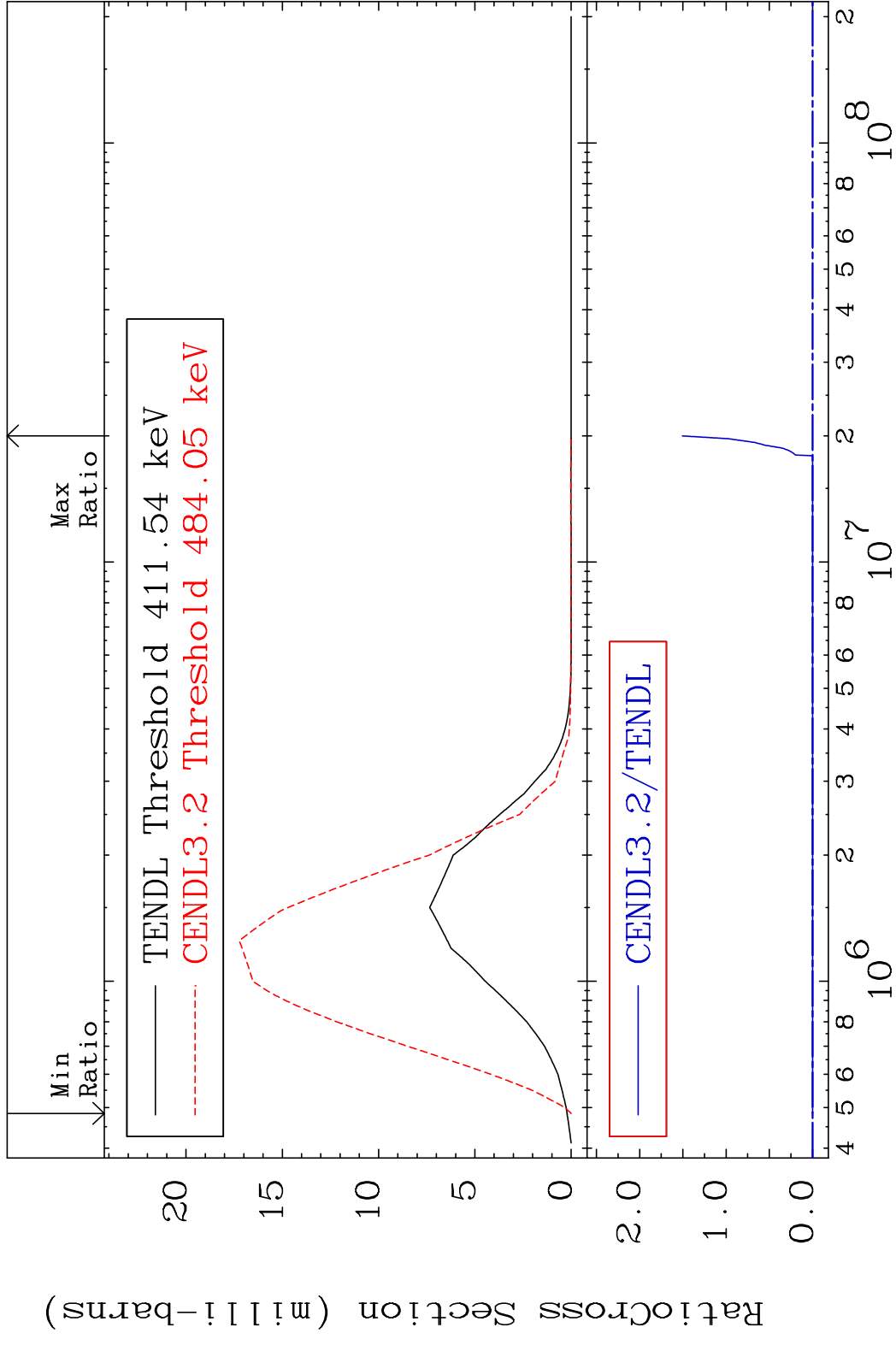


MAT 9234 MT= 64 (n, n') Level 92-U -237
 Cross Section -100.0 To 9999. %



20 92-U -237

MAT 9234 MT= 65 (n, n') Level 92-U -237
 Cross Section -100.0 To 9999. %

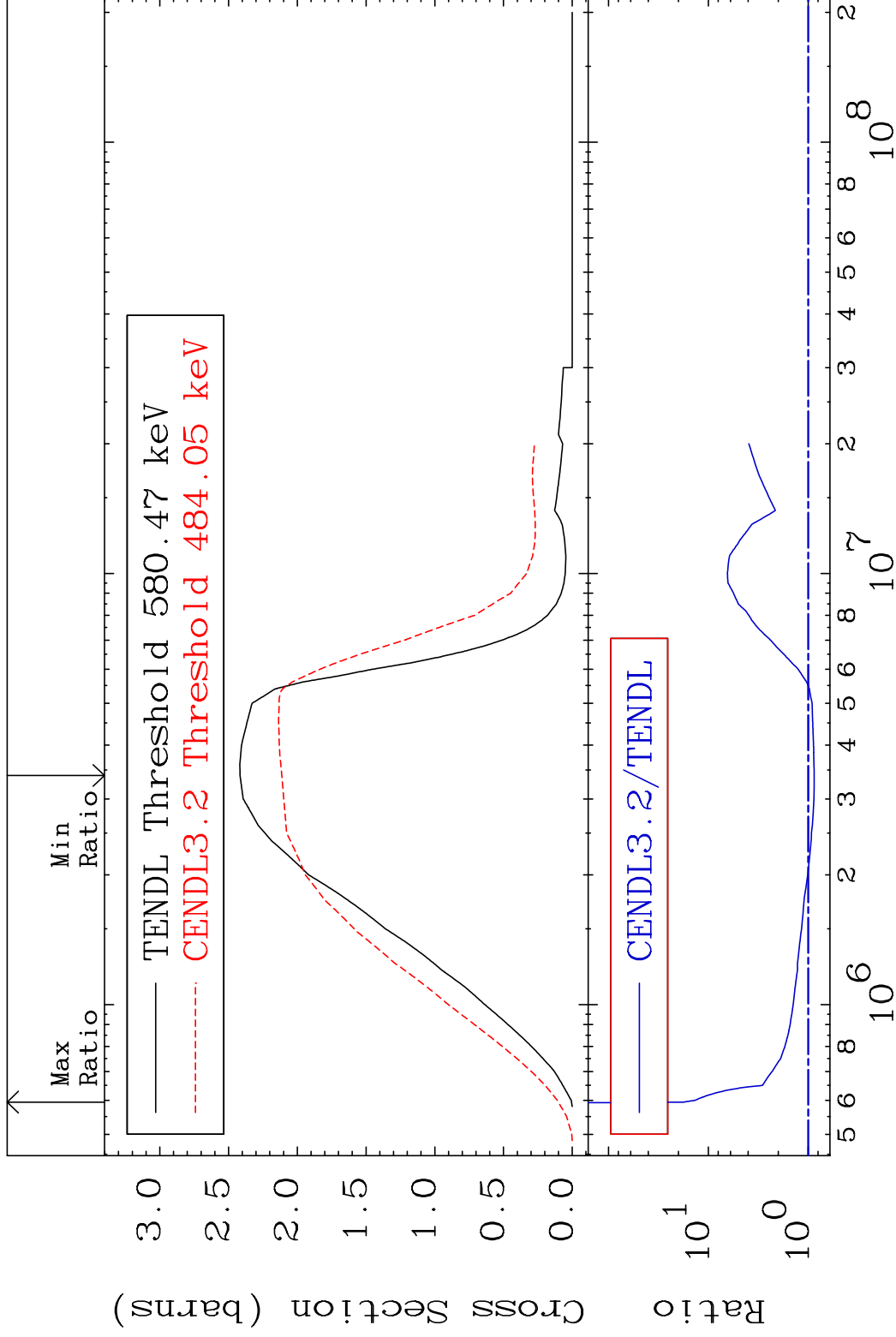


MAT 9234

(n, n') Continuum

92-U -237

Cross Section -12.57 To 1672. %



22

Incident Energy (eV)

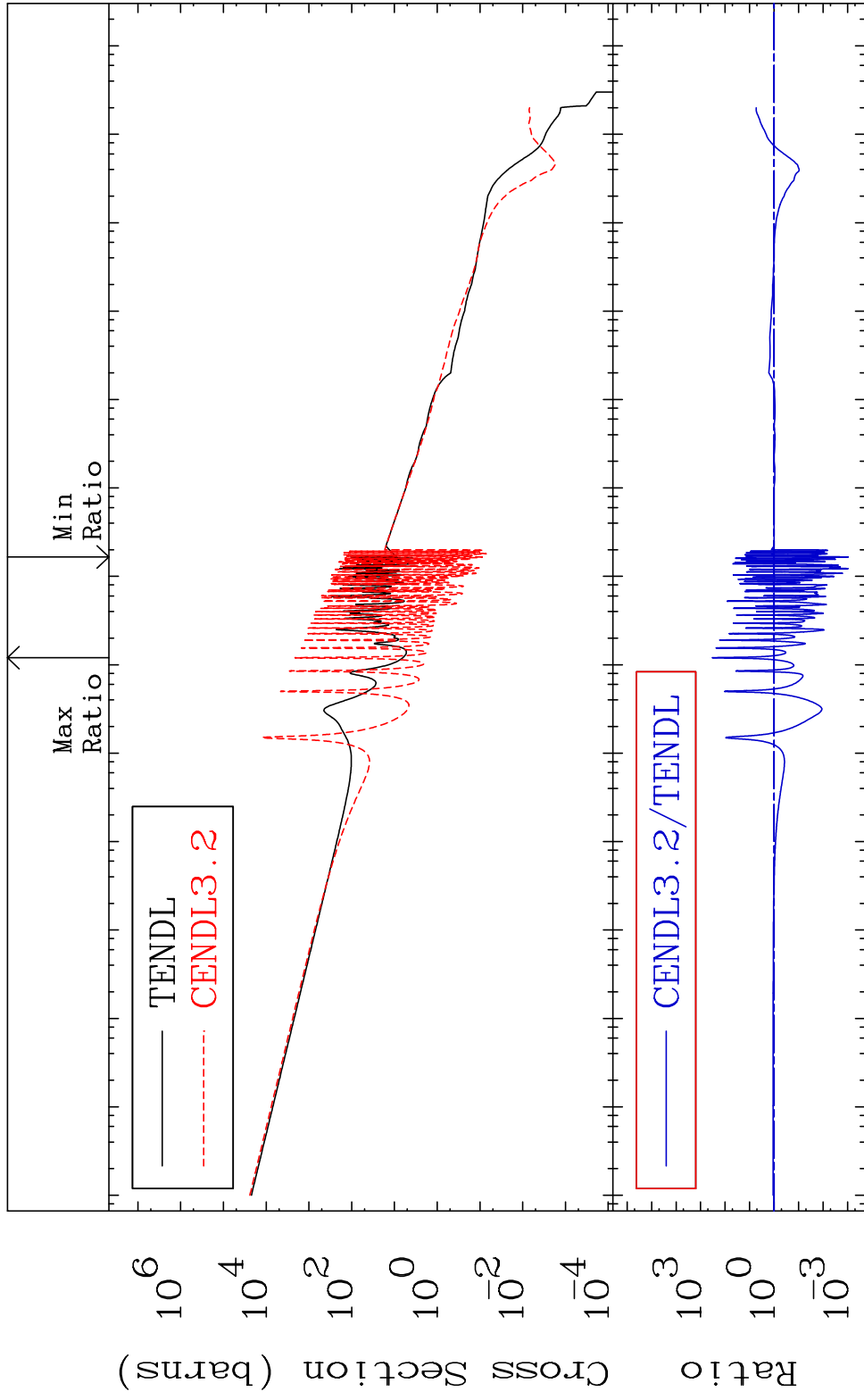
92-U -237

MAT 9234

(n, γ)

92-U -237

Cross Section -99.91 To 9999. %



23

Incident Energy (eV)

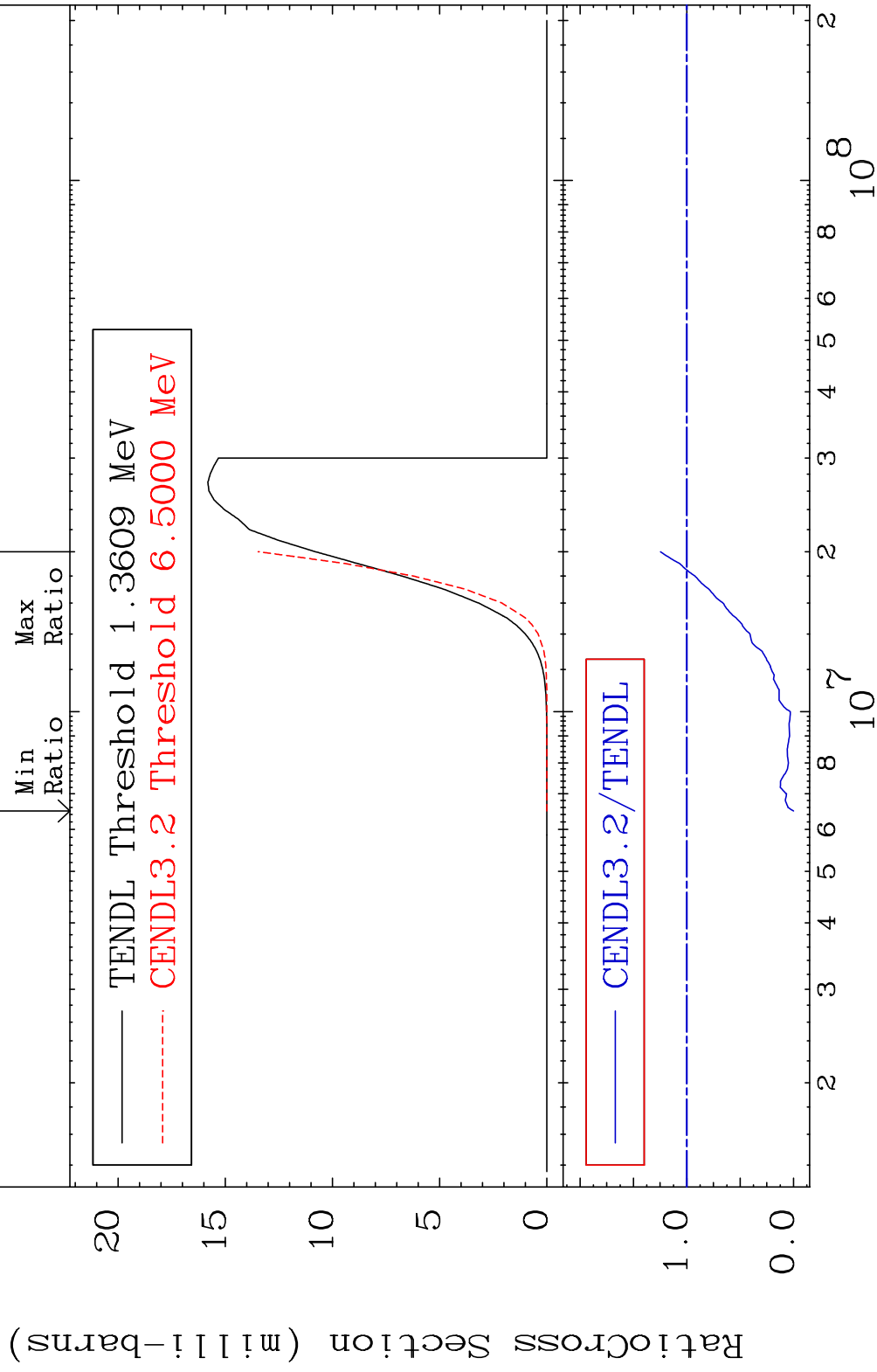
92-U -237

MAT 9234

(n,p)

92-U -237

Cross Section -100.0 To 24.65 %



24

Incident Energy (eV)

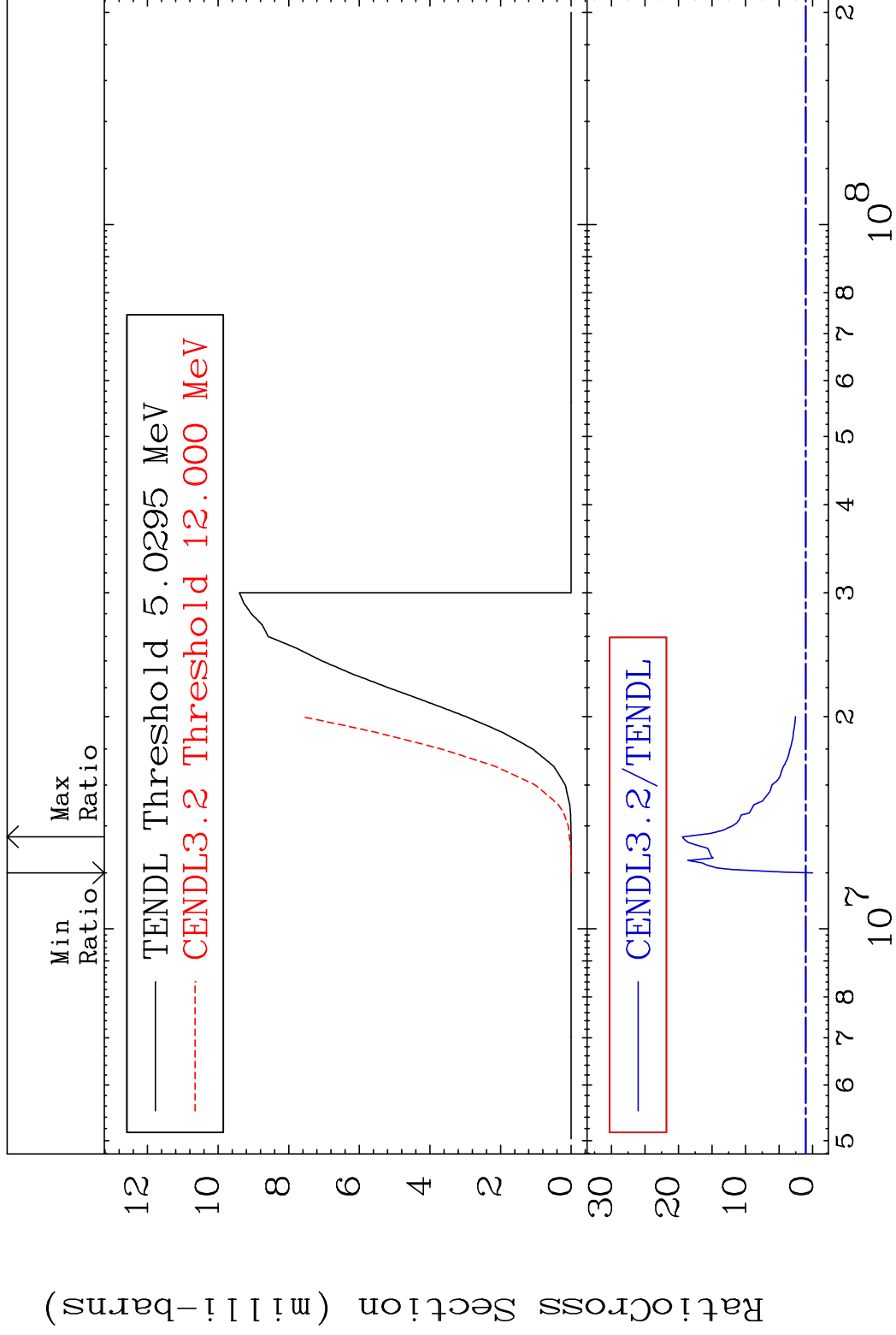
92-U -237

MAT 9234

(n,d)

92-U -237

Cross Section -100.0 To 1842. %



25

Incident Energy (eV)

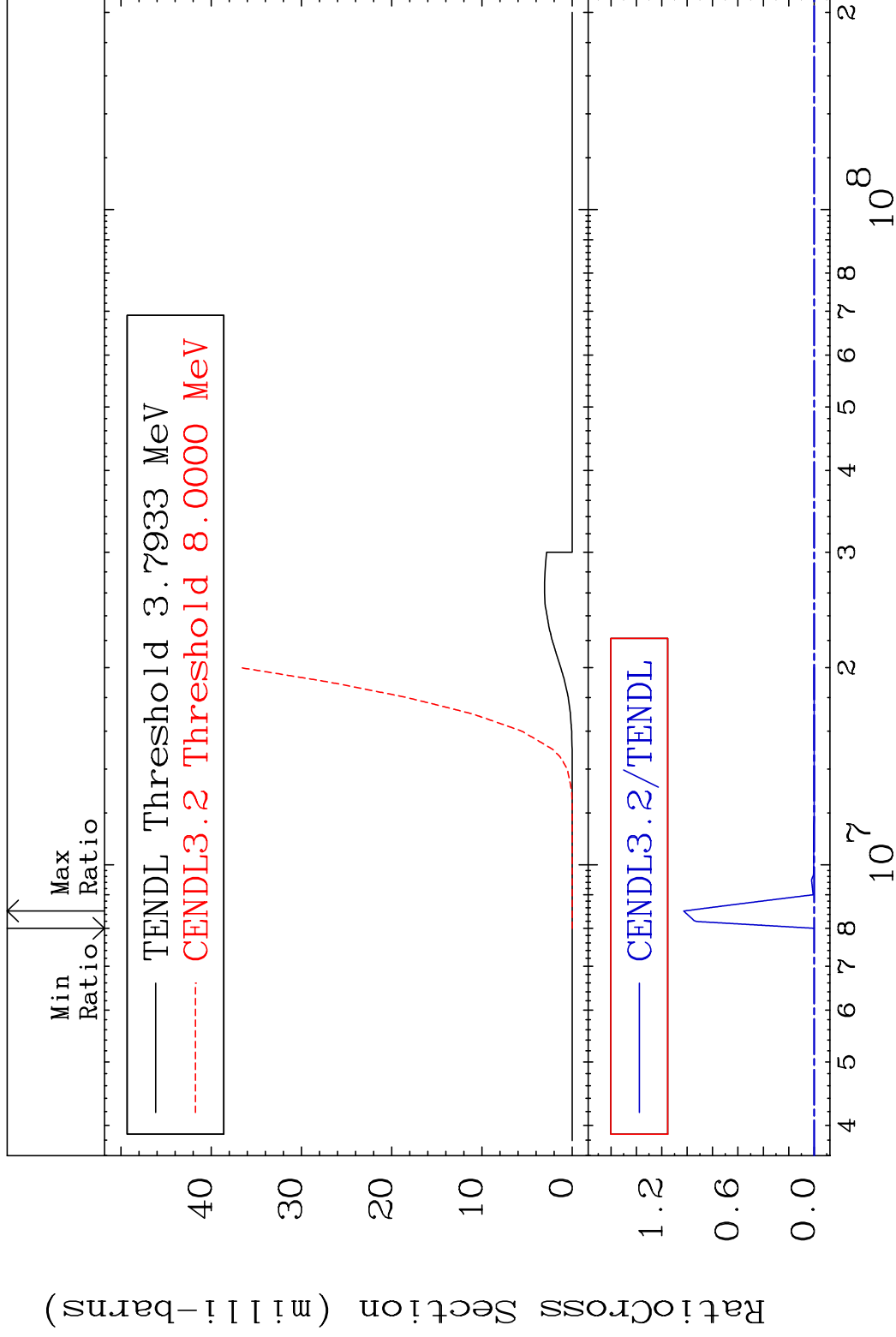
92-U -237

MAT 9234

(n, t)

92-U -237

Cross Section -100.0 To 9999. %



26

Incident Energy (eV)

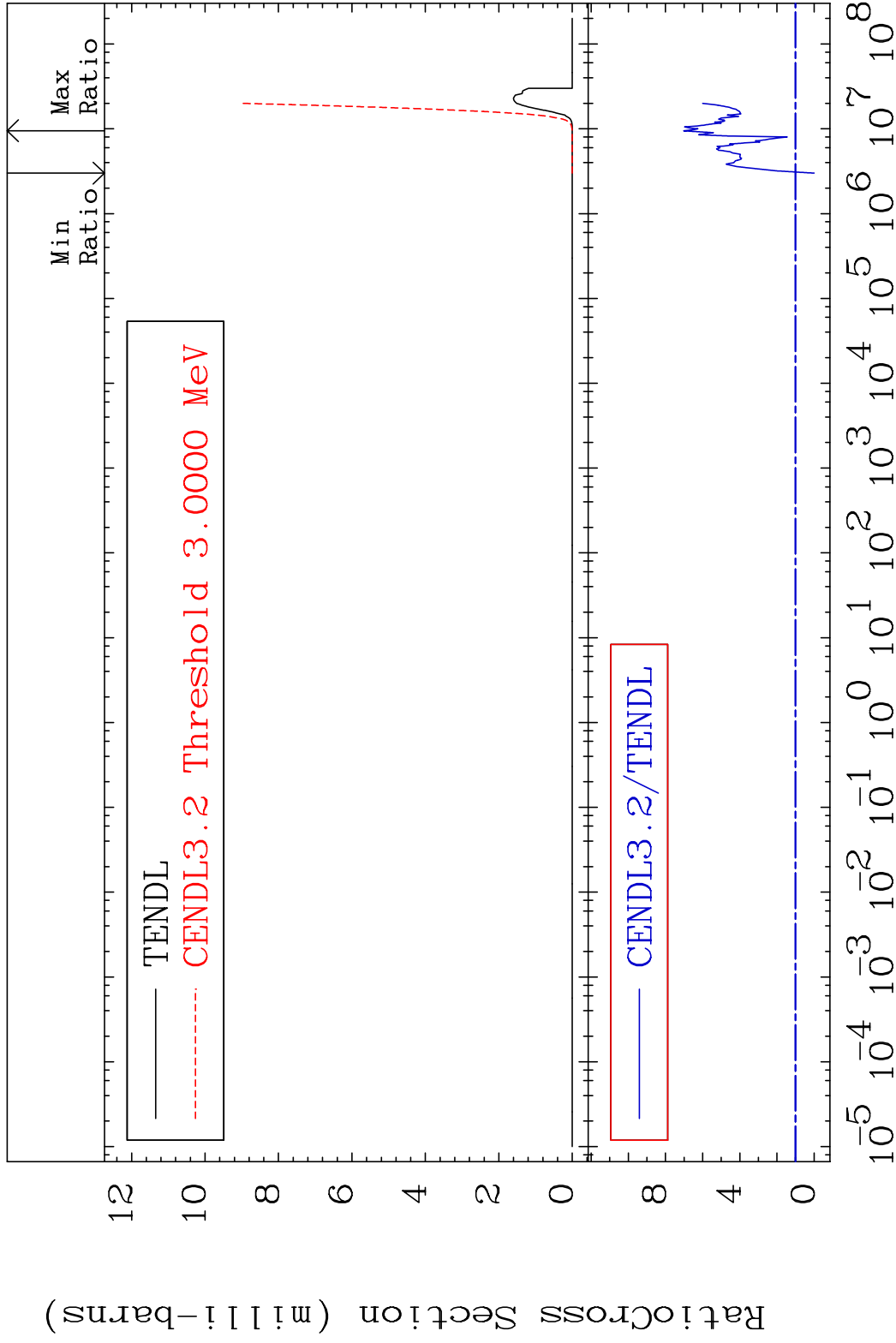
92-U -237

MAT 9234

(n, α)

92-U -237

Cross Section -100.0 To 602.1 %



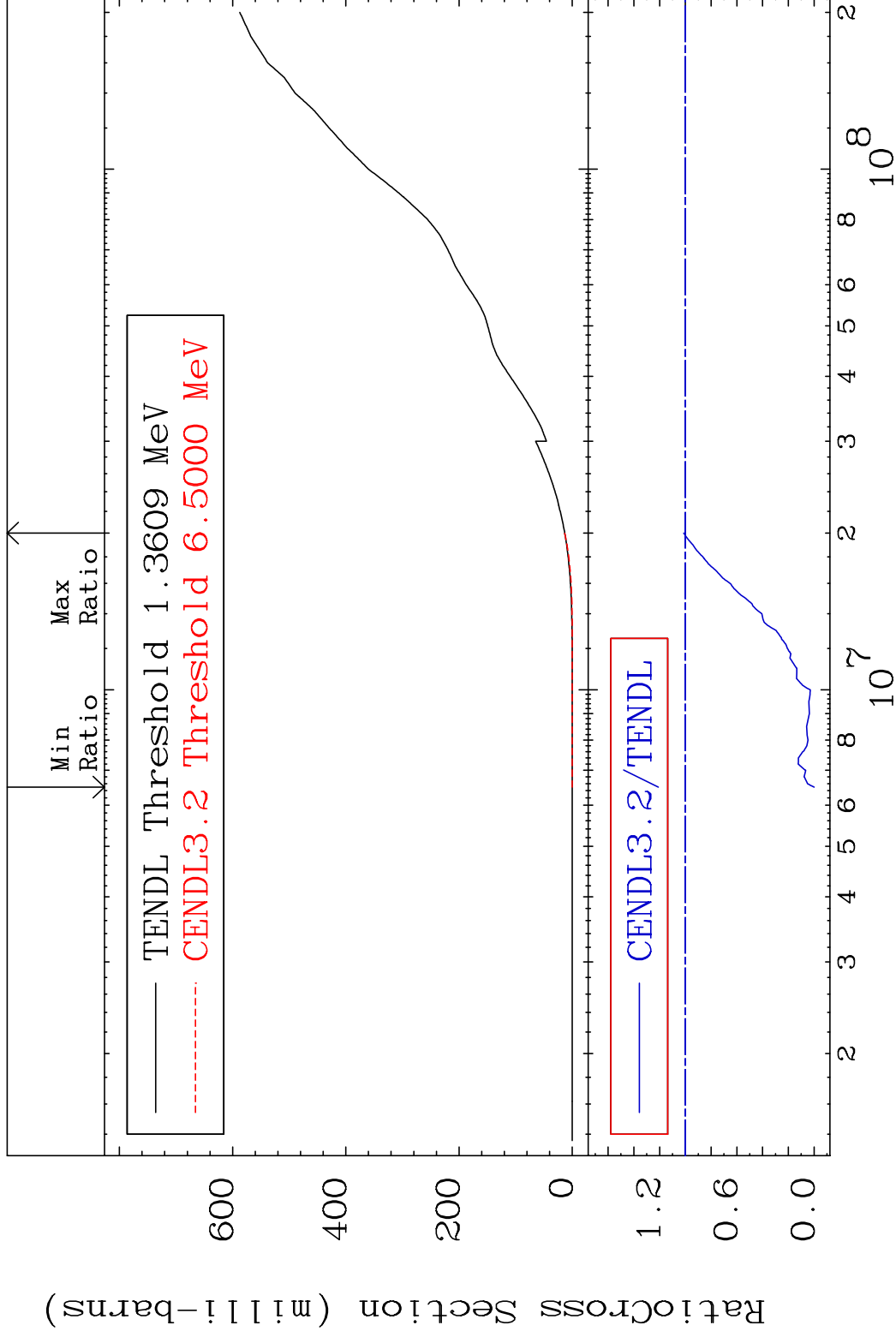
27

Incident Energy (eV)

92-U -237

MAT 9234

Hydrogen Production 92-U -237
Cross Section -100.0 To 1.310 %



28

Incident Energy (eV)

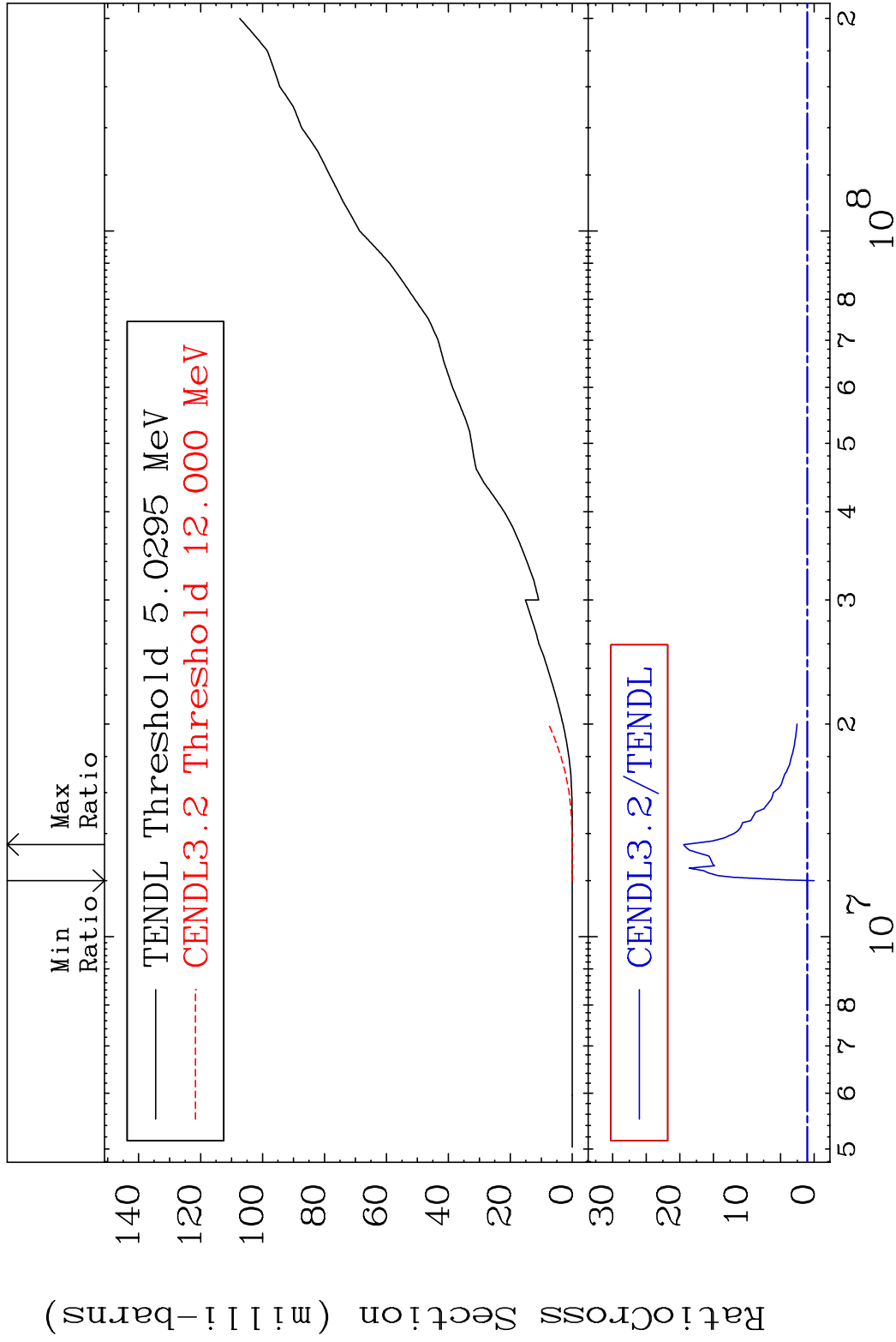
92-U -237

MAT 9234

Deuterium Production

92-U -237

Cross Section -100.0 To 1842. %

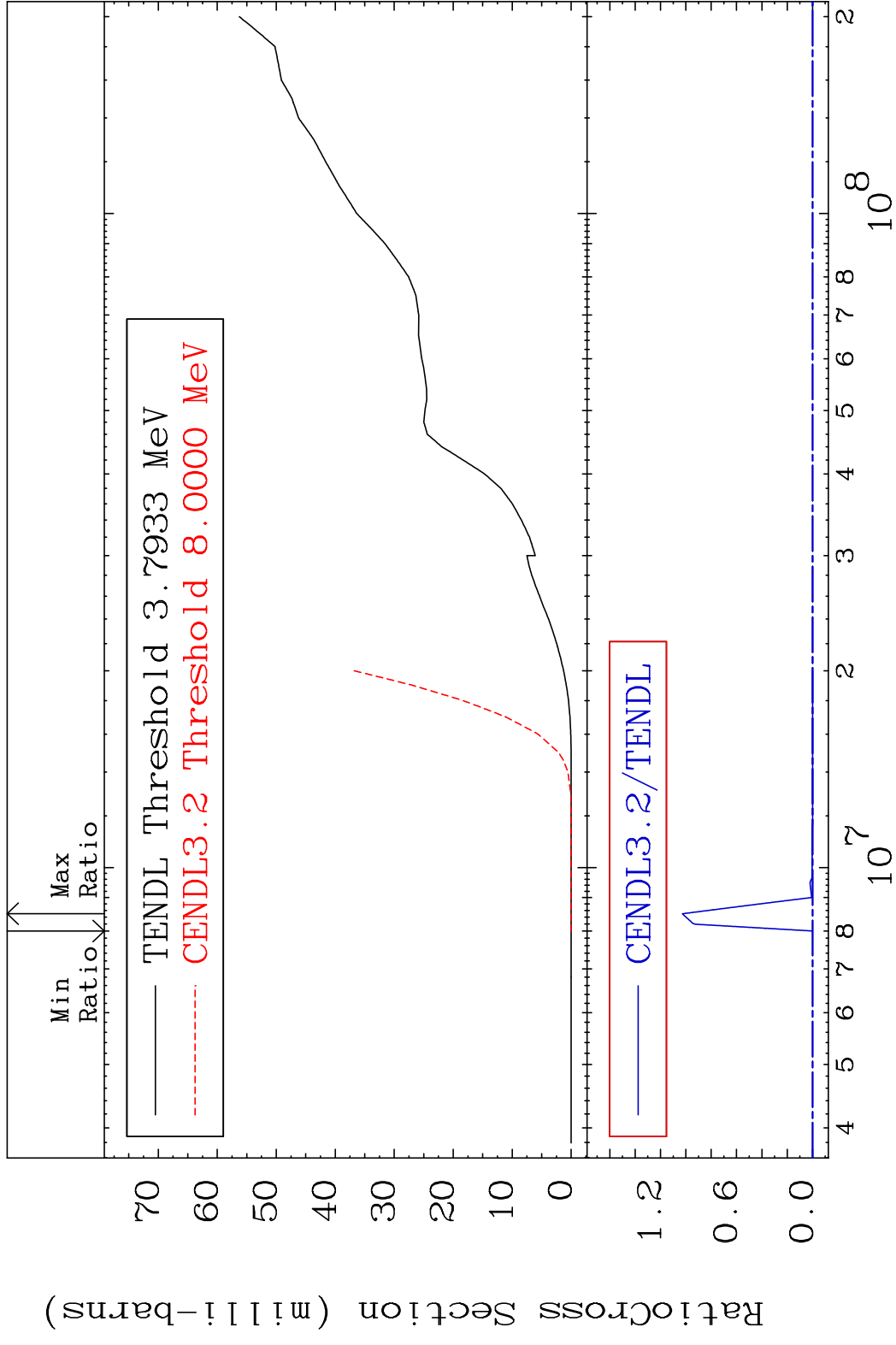


29

Incident Energy (eV)

92-U -237

MAT 9234 Tritium Production 92-U -237
 Cross Section -100.0 To 9999. %



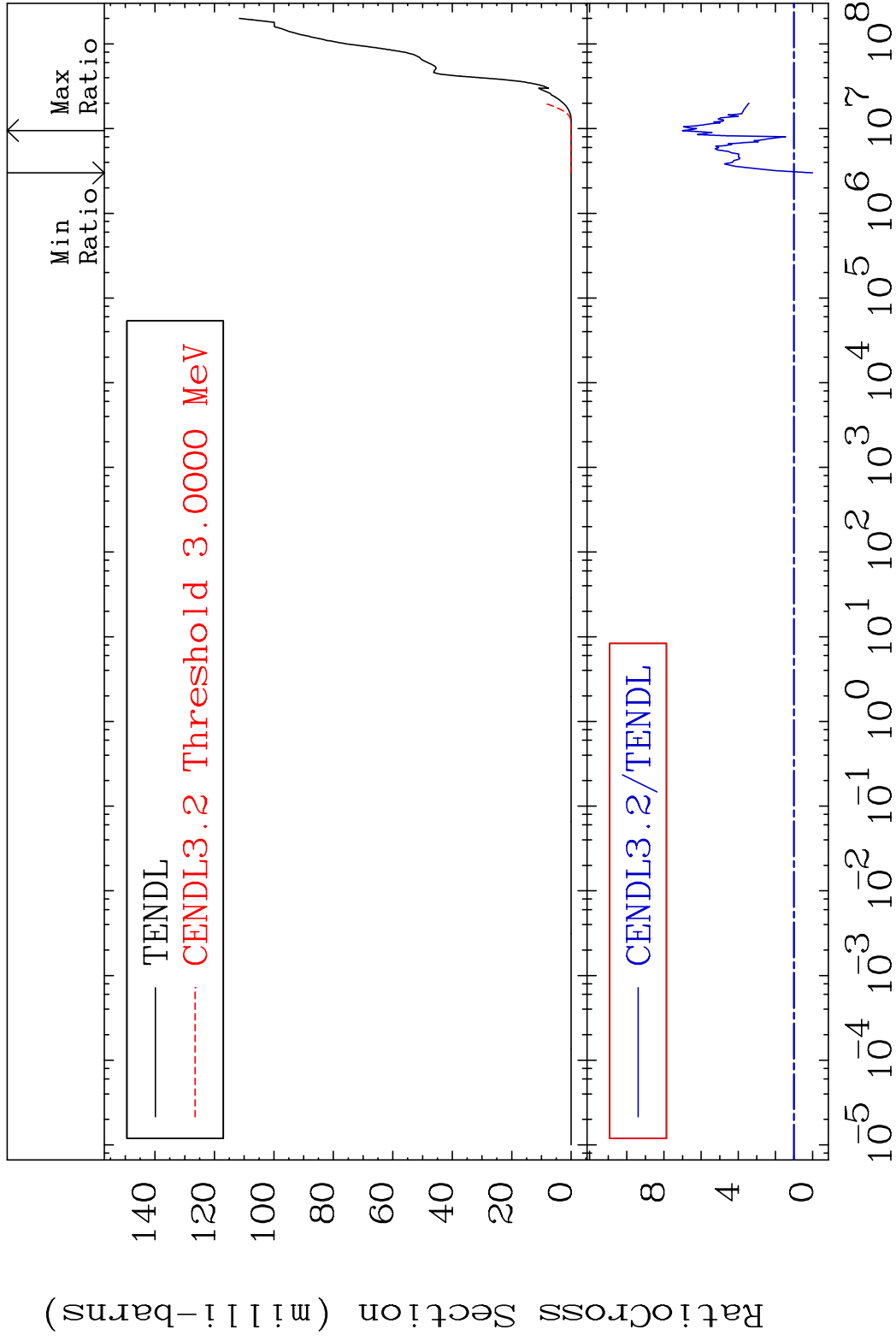
30 Incident Energy (eV) 92-U -237

MAT 9234

He-4 Production

92-U -237

Cross Section -100.0 To 601.0 %

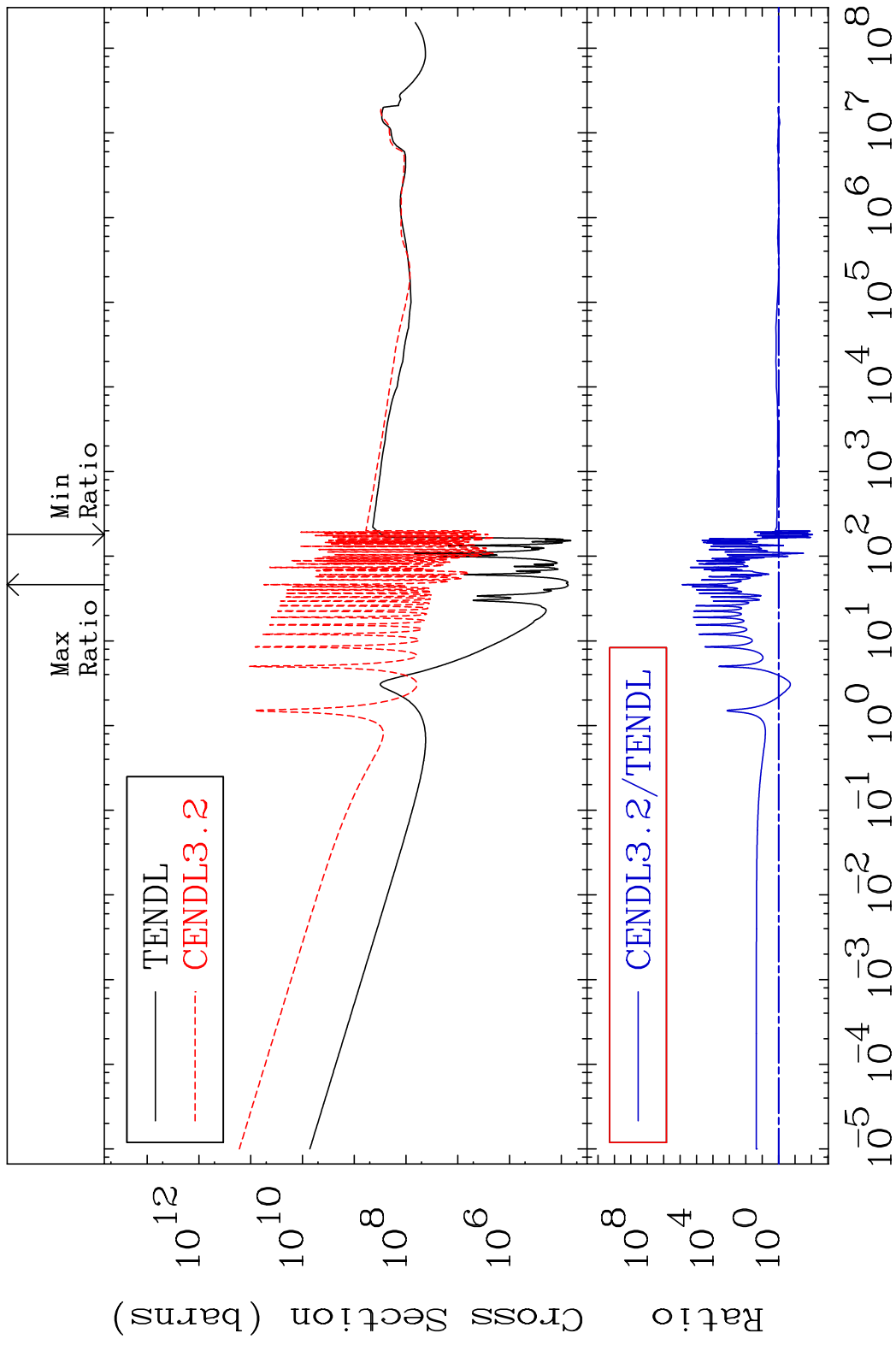


31

Incident Energy (eV)

92-U -237

MAT 9234 Kerma total (eV-barns) 92-U -237
 Cross Section -99.13 To 9999. %

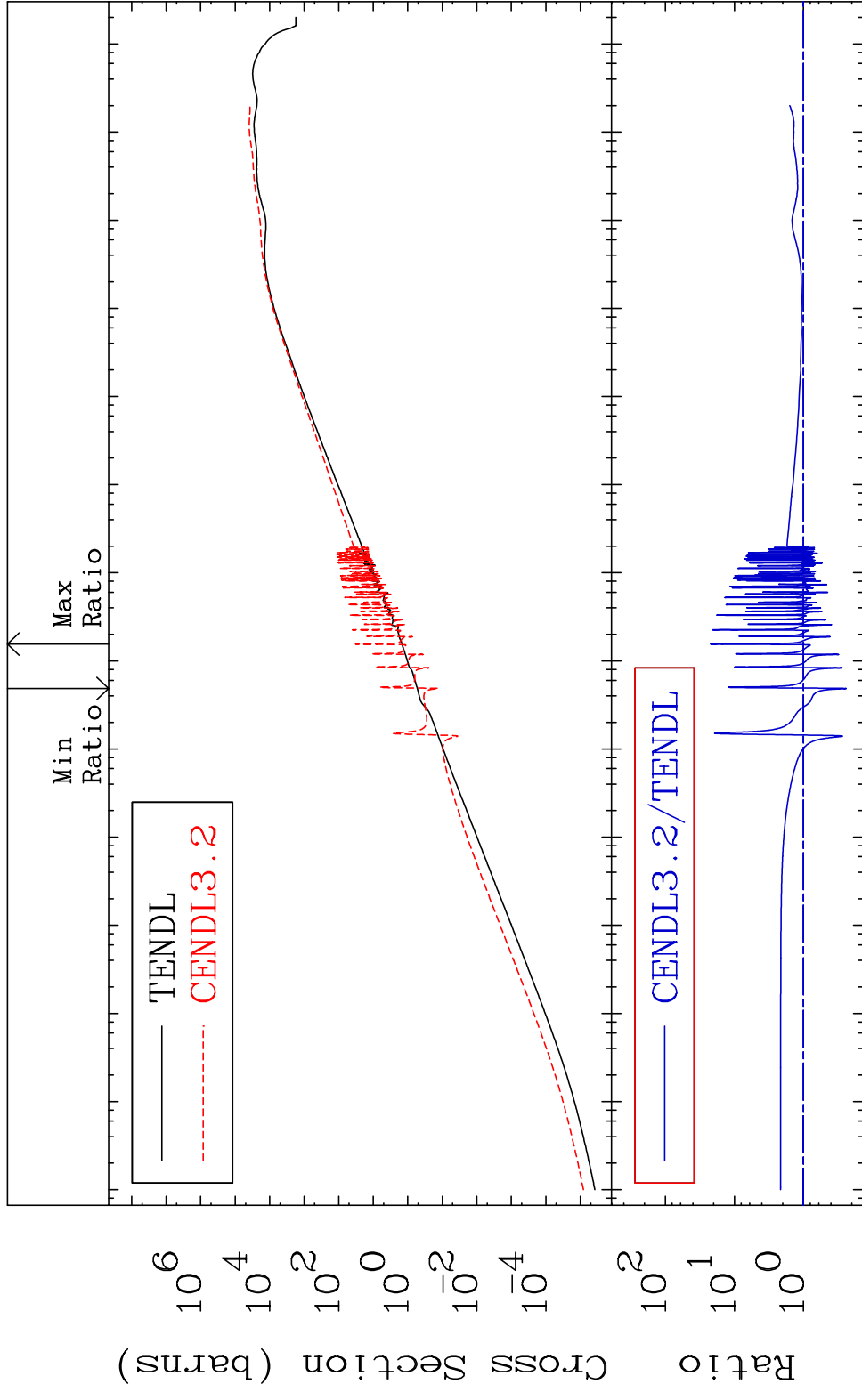


32 Incident Energy (eV) 92-U -237

MAT 9234

Kerma elastic
Cross Section -76.03 To 2103. %

92-U -237



Ratio
Cross Section (barns)

10⁶
10⁴
10²
10⁰
10⁻²
10⁻⁴

10²
10¹
10⁰

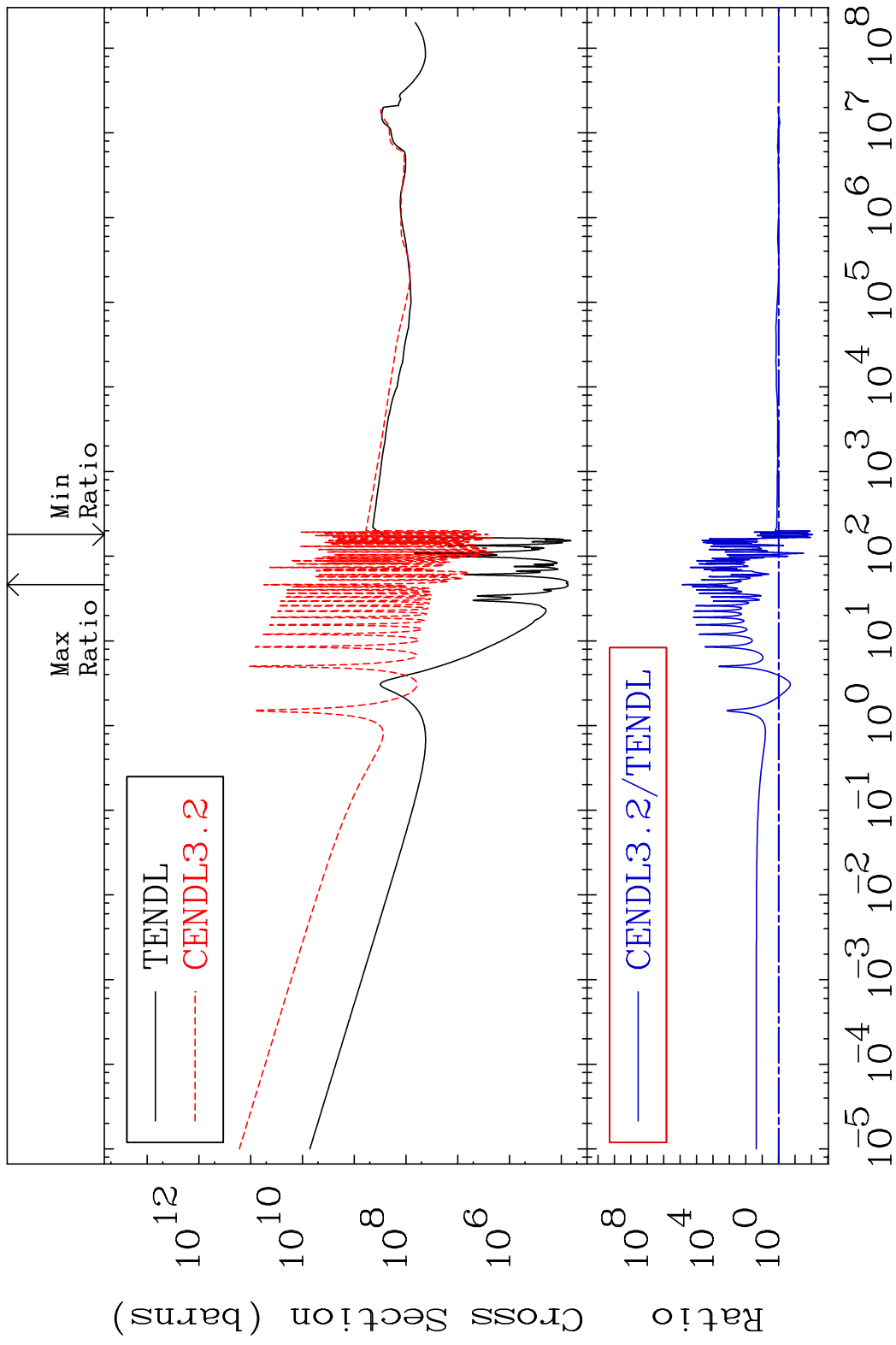
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

33

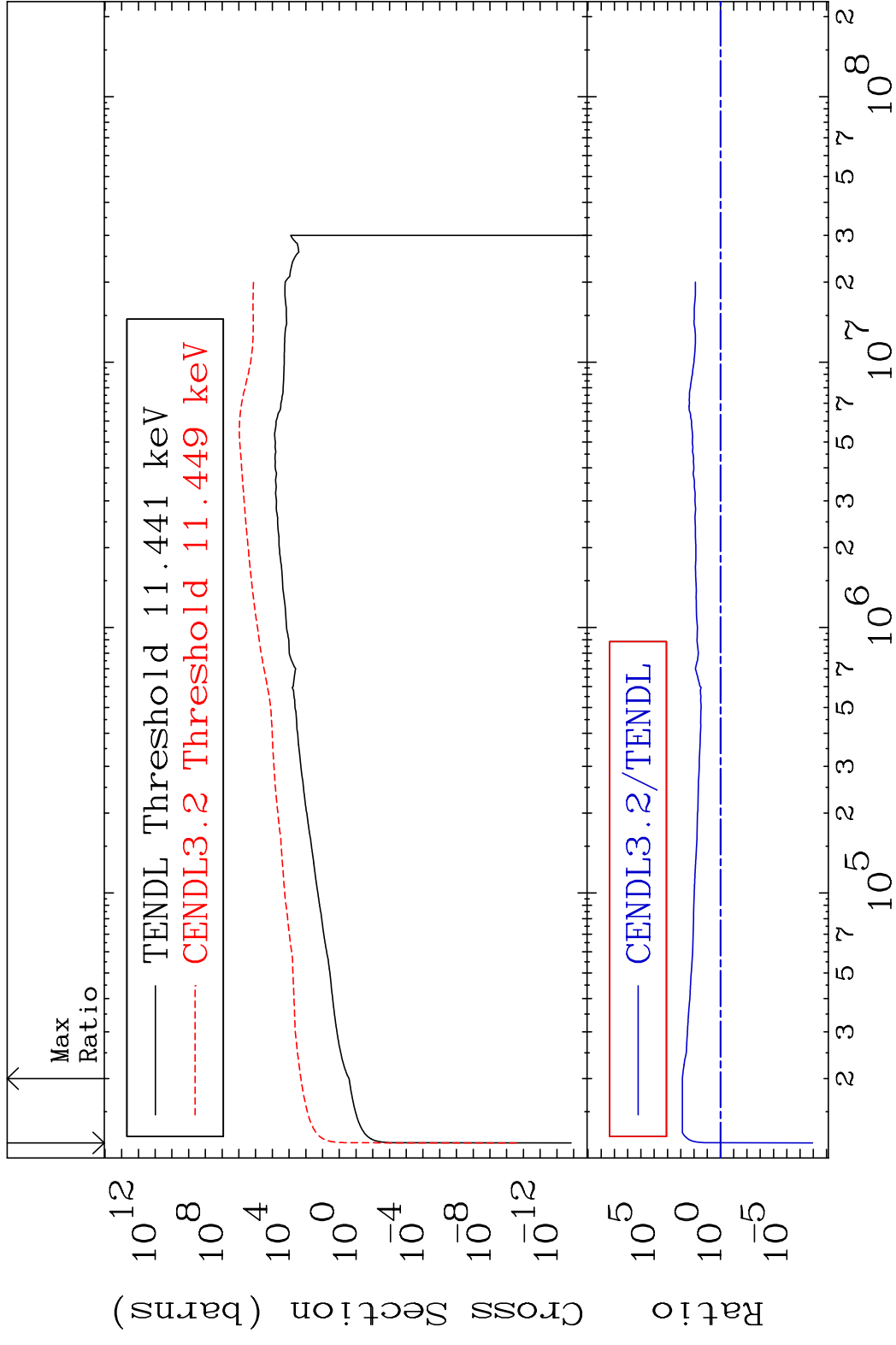
Incident Energy (eV)

92-U -237

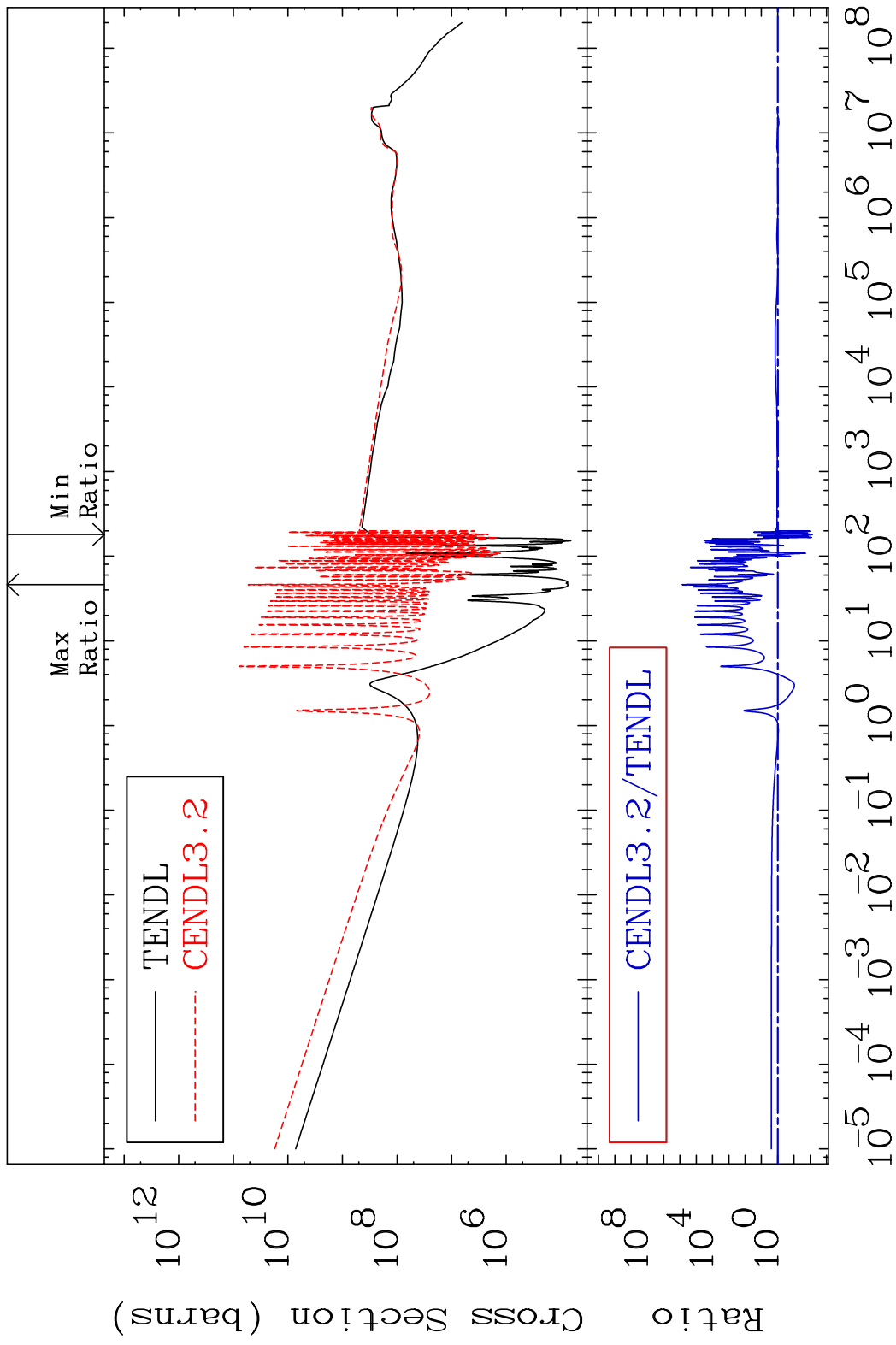
MAT 9234 Kerma non-elastic (all but mt2) 92-U -237
 Cross Section -99.13 To 9999. %



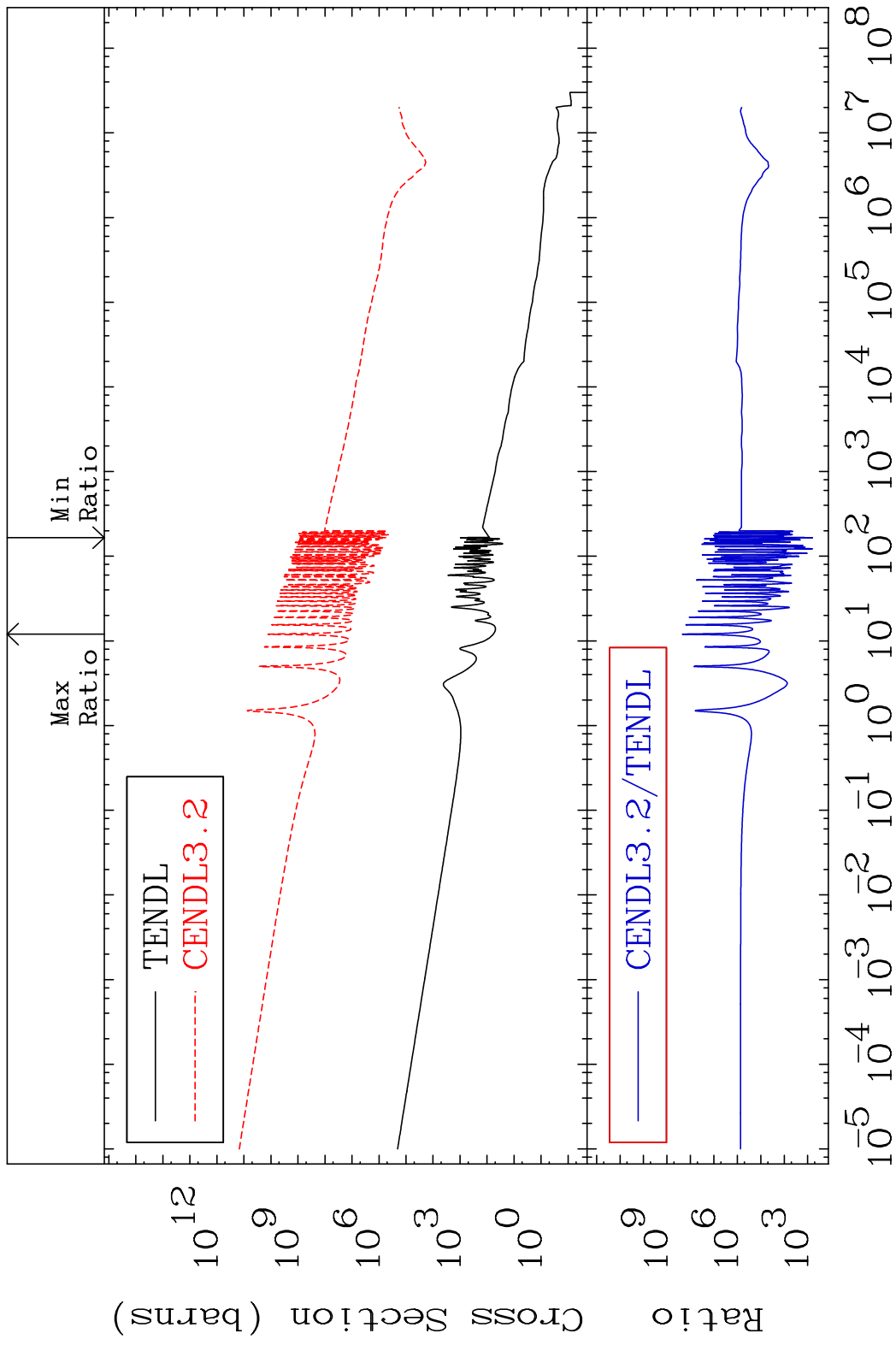
MAT 9234 Kerma inelastic (mt51-91) 92-U -237
 Cross Section -100.0 To 9999. %



MAT 9234 Kerma fission (mt18 or mt19-20-21-38)2-U -237
 Cross Section -99.28 To 9999. %

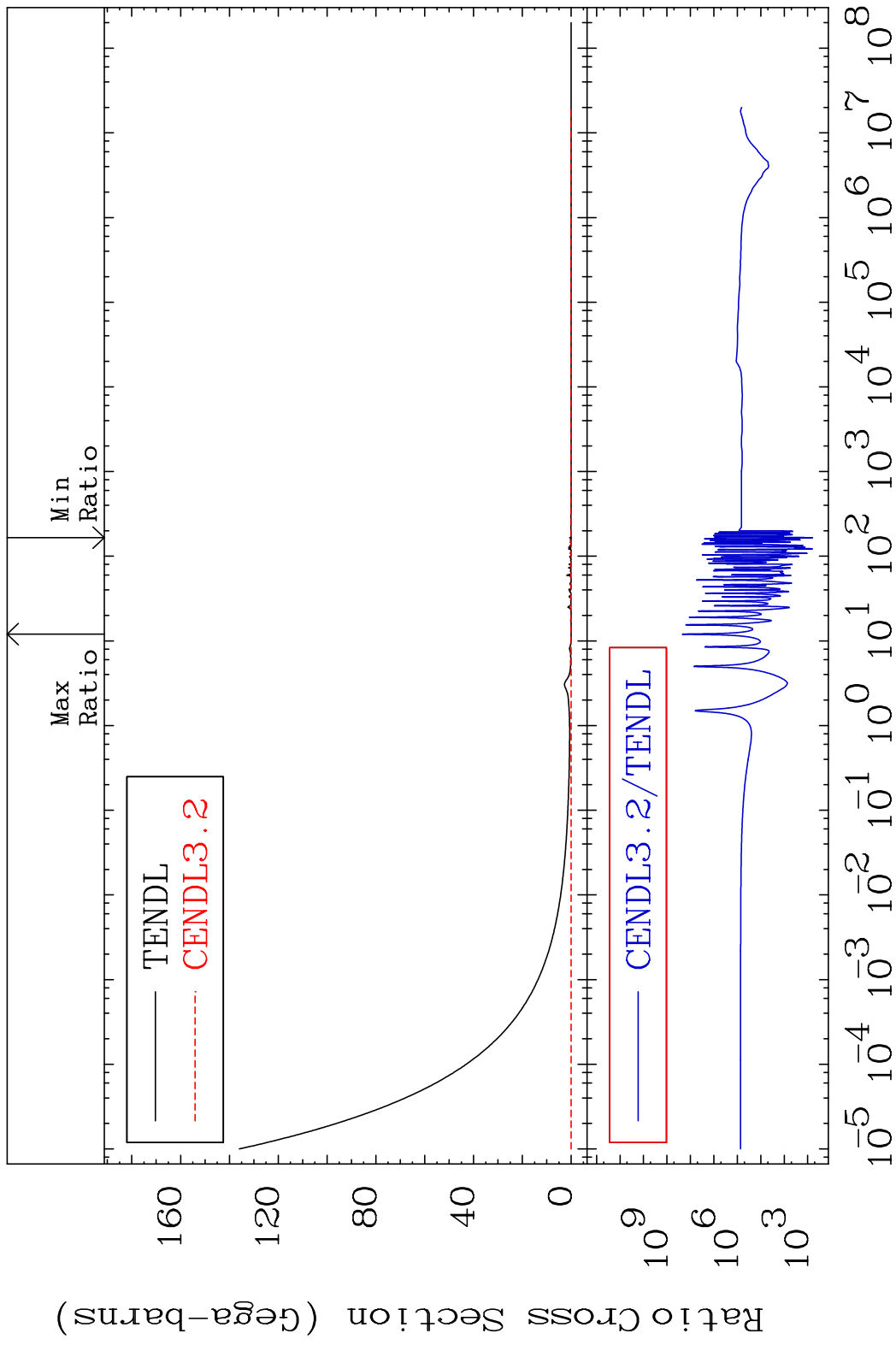


MAT 9234 Kerma capture (mt102) 92-U -237
 Cross Section 9999. To 9999. %

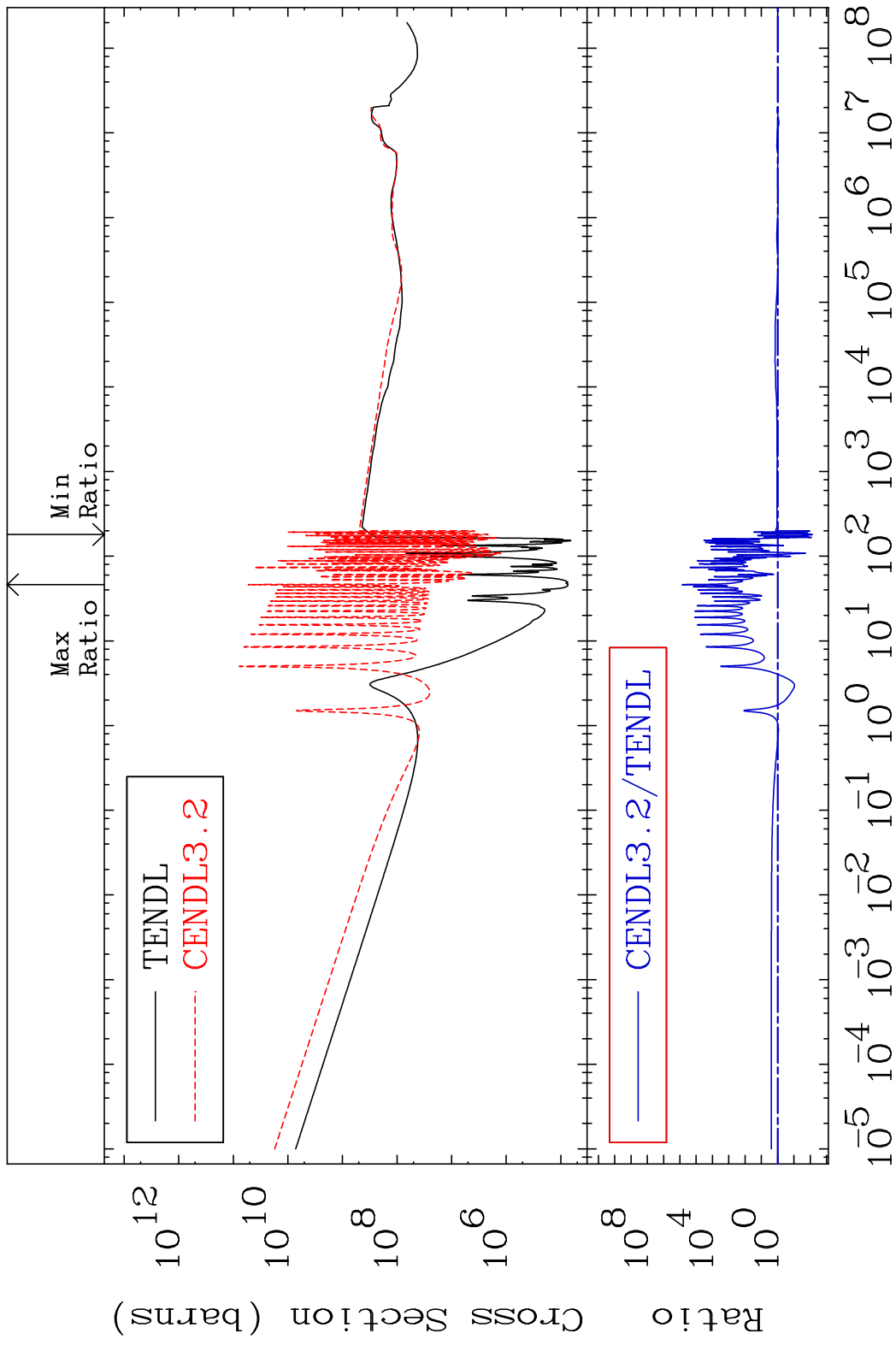


37 Incident Energy (eV) 92-U -237

MAT 9234 Total photon (eV-barns) 92-U -237
 Cross Section 9999. To 9999. %



MAT 9234 Total kinematic kerma (high limit) 92-U -237
Cross Section -99.28 To 9999. %

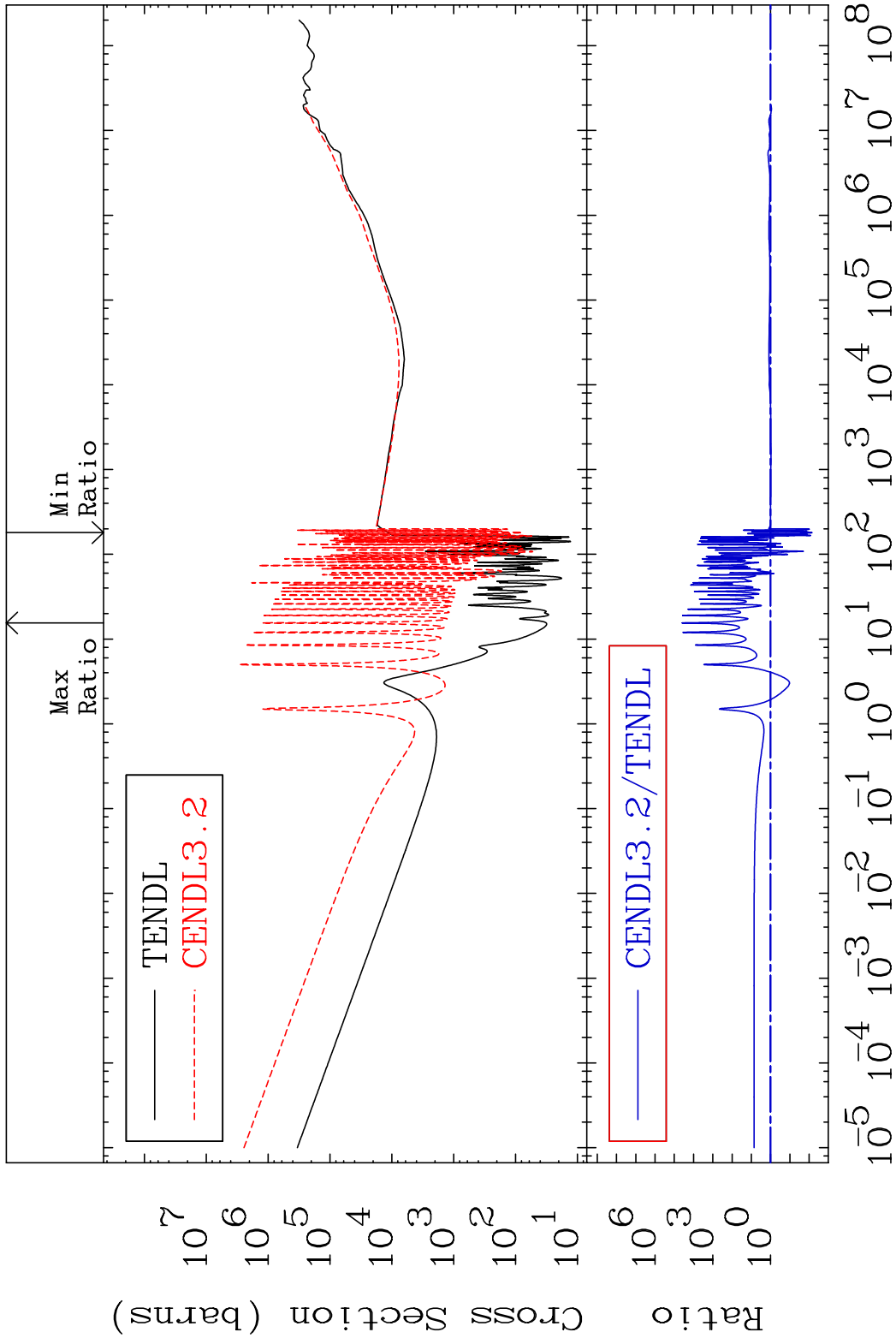


MAT 9234

Dpa total (eV-barns)

92-U -237

Cross Section -99.33 To 9999. %

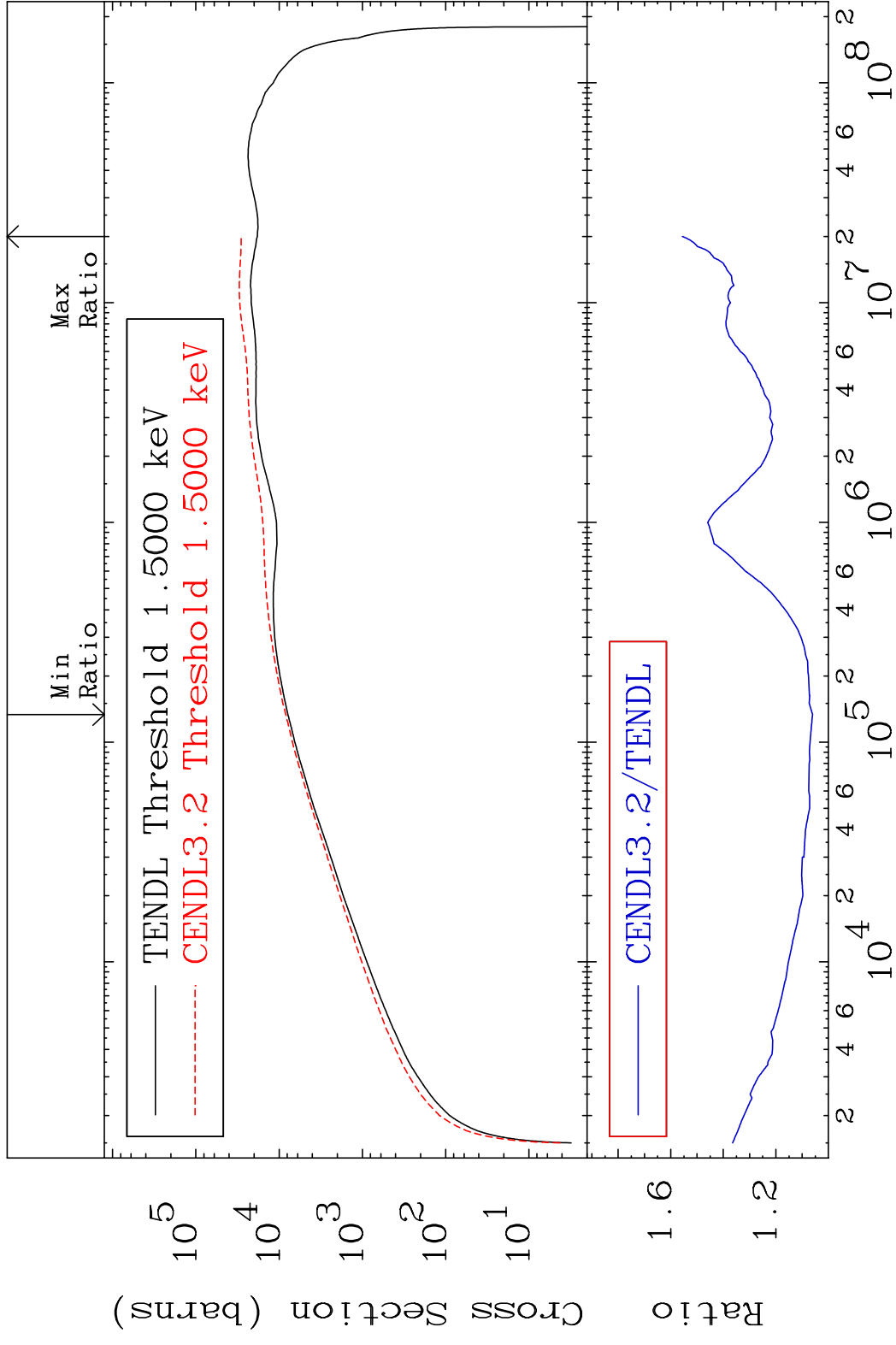


40

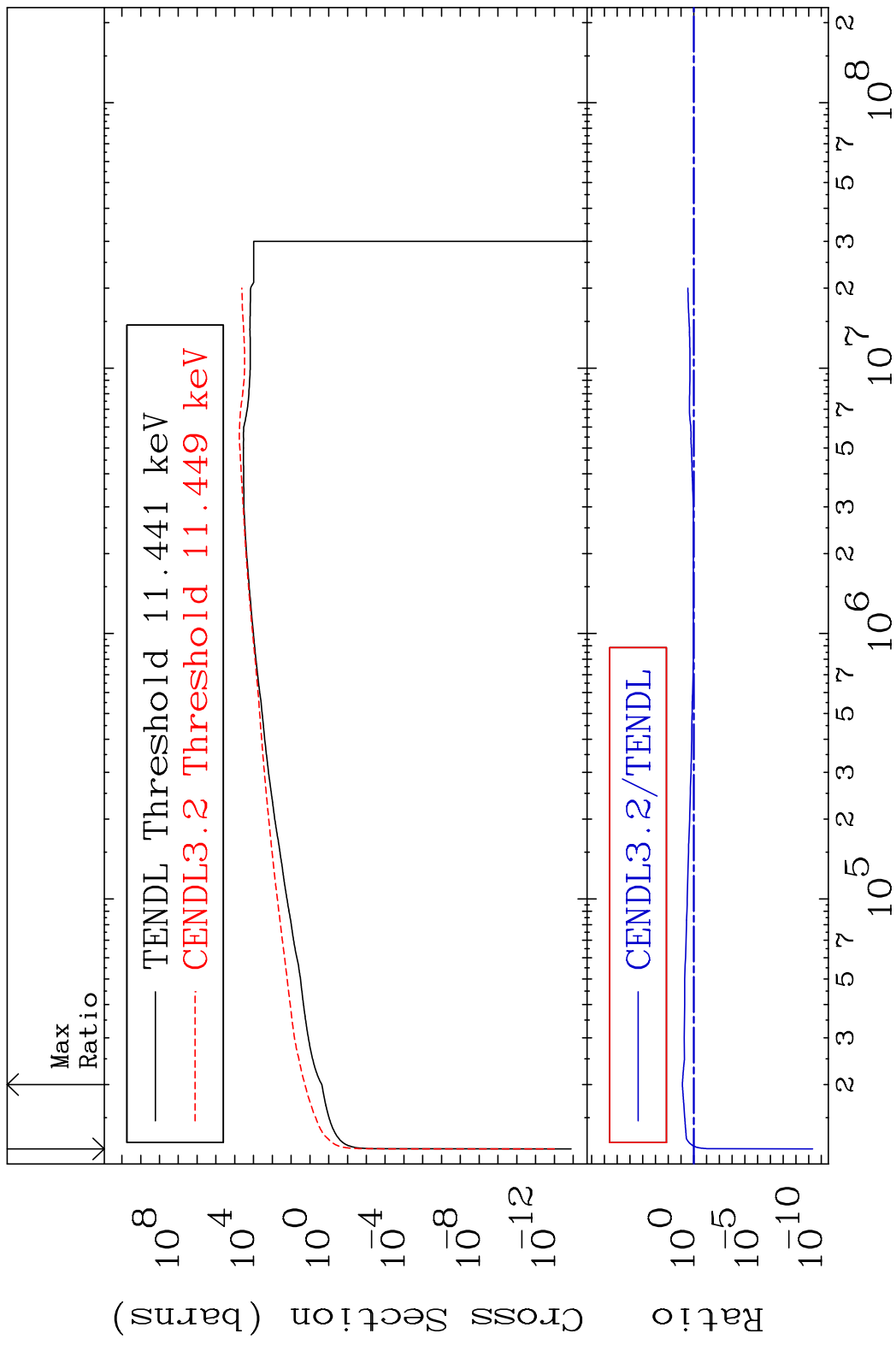
Incident Energy (eV)

92-U -237

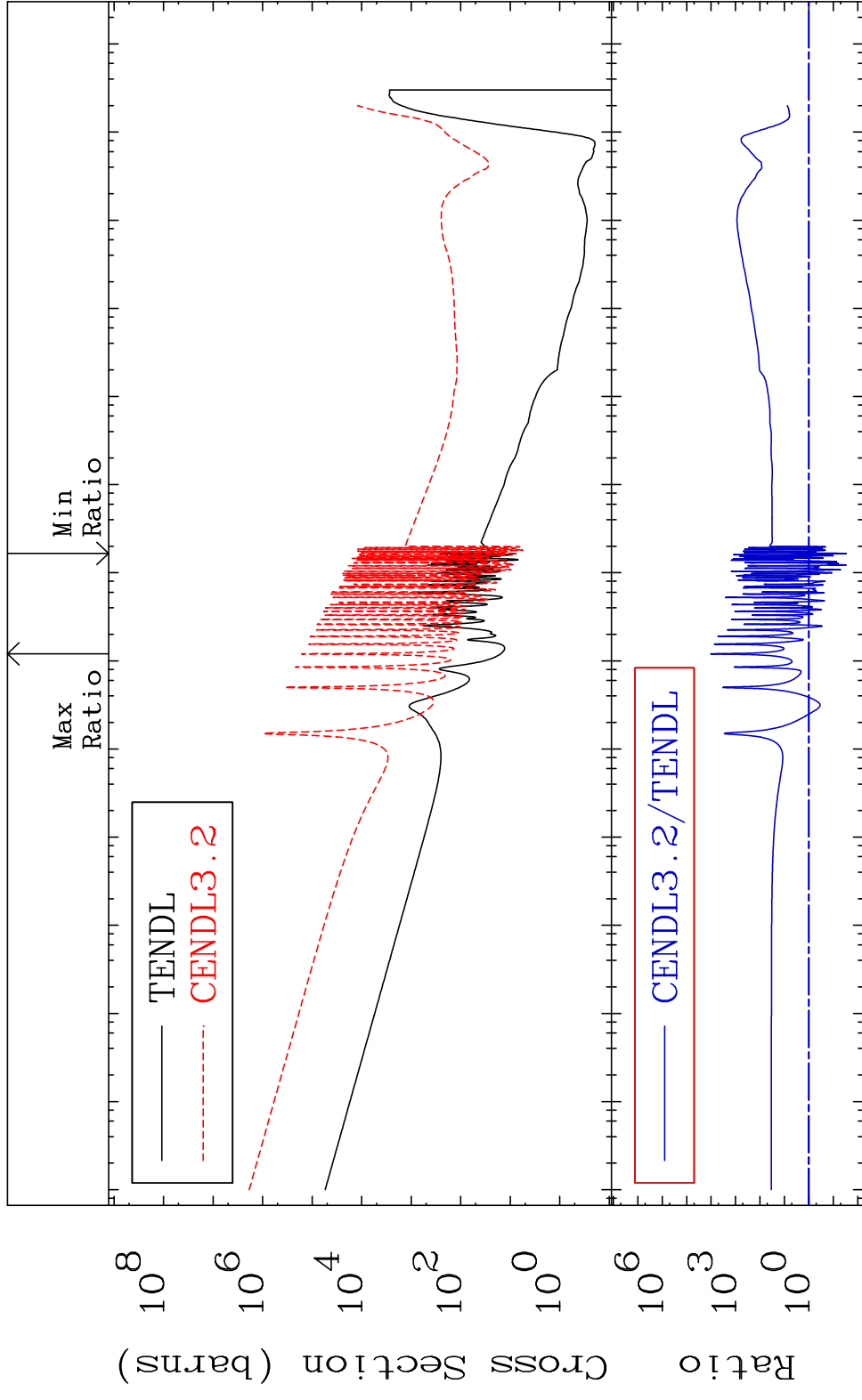
MAT 9234 Dpa elastic (mt2) 92-U -237
 Cross Section 6.059 To 55.58 %



MAT 9234 Dpa inelastic (mt51-91) 92-U -237
 Cross Section -100.0 To 686.0 %

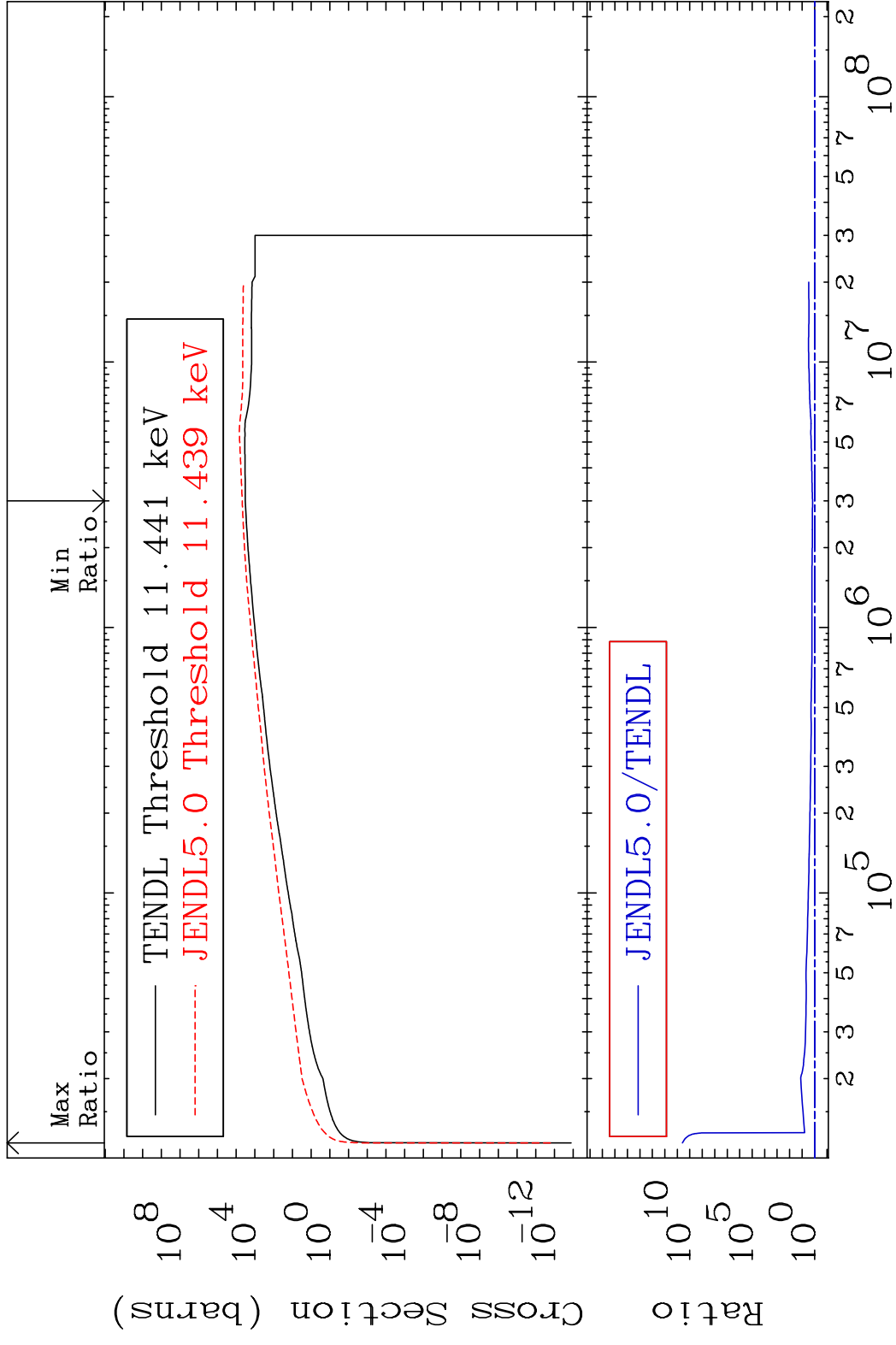


MAT 9234 Dpa disappearance (mt102 -120) 92-U -237
 Cross Section -97.06 To 9999. %

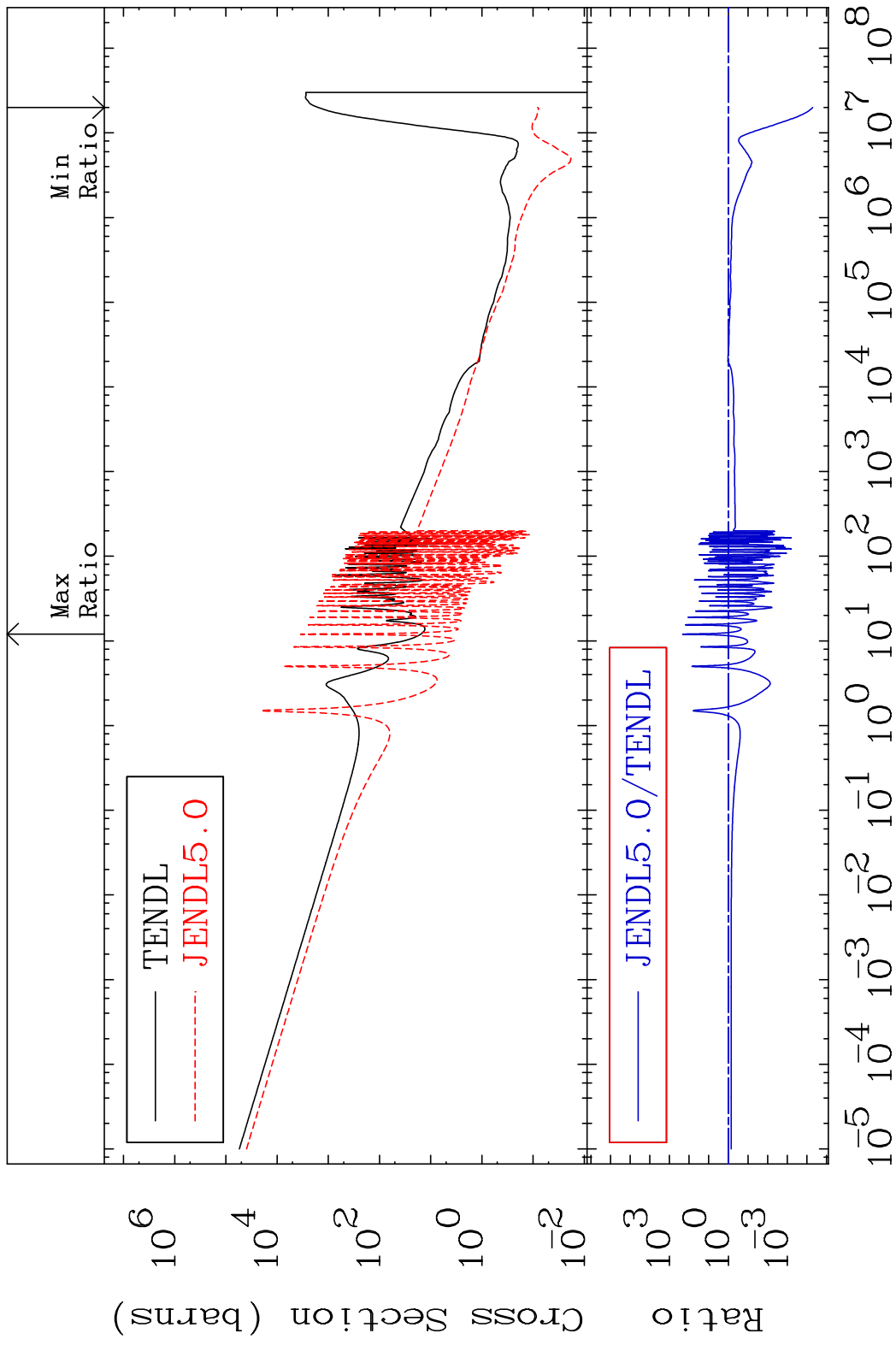


43 Incident Energy (eV) 92-U -237

MAT 9234 Dpa inelastic (mt51-91) 92-U -237
 Cross Section 44.78 To 9999. %



MAT 9234 Dpa disappearance (mt102 -120) 92-U -237
 Cross Section -99.99 To 9999. %



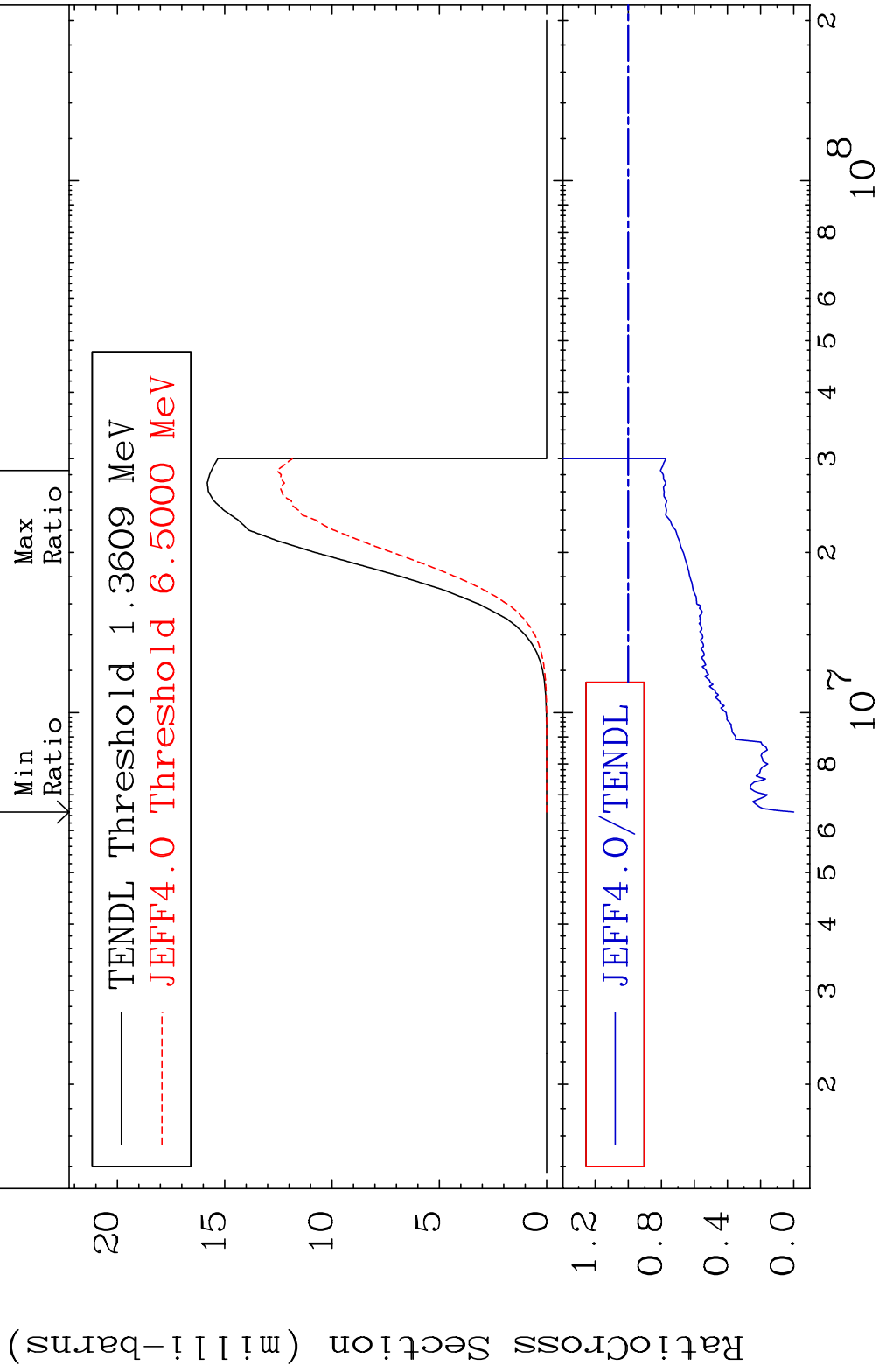
45 Incident Energy (eV) 92-U -237

MAT 9234

(n,p)

92-U -237

Cross Section -100.0 To -19.47%



46

Incident Energy (eV)

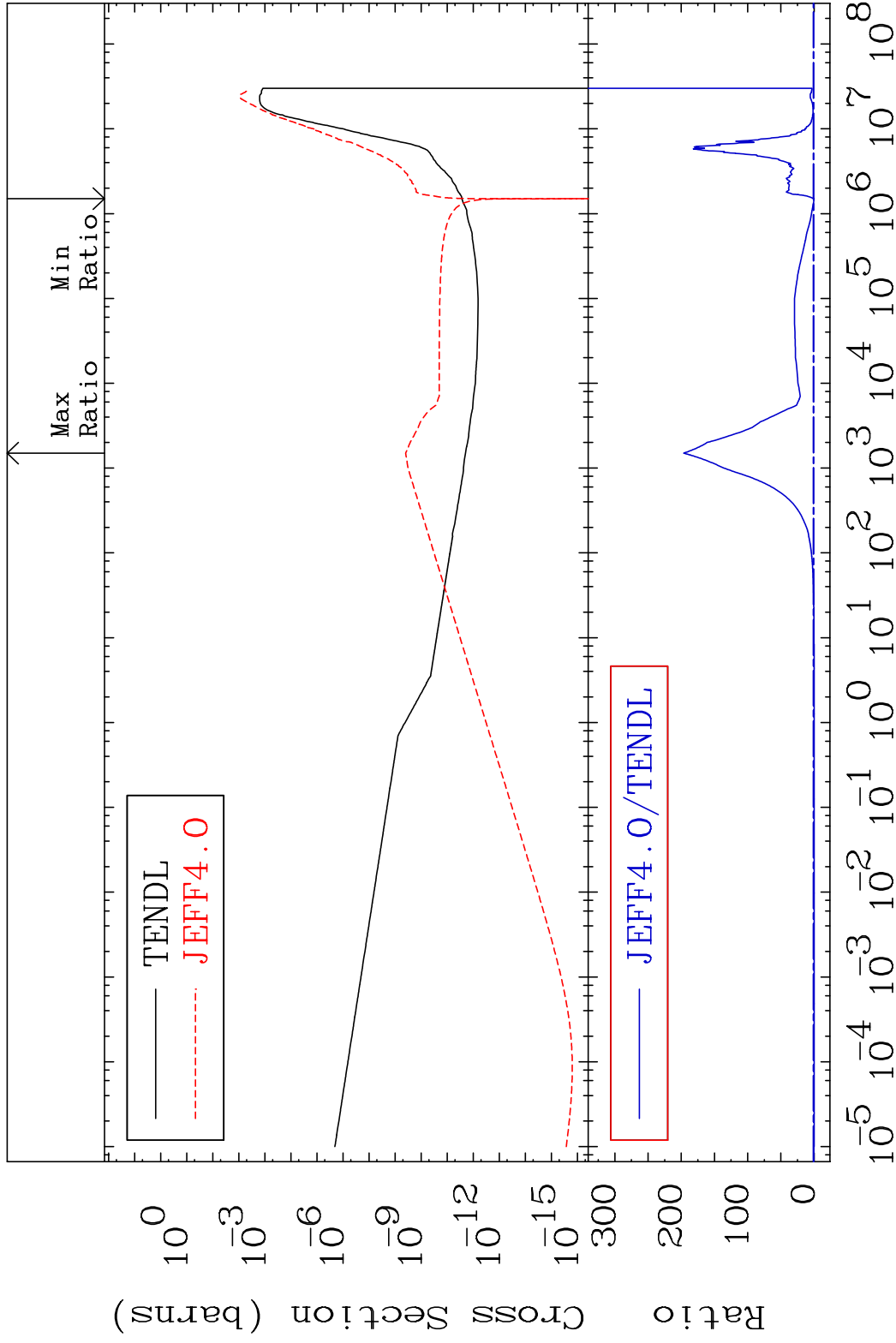
92-U -237

MAT 9234

(n, α)

92-U -237

Cross Section -100.0 To 9999. %



47

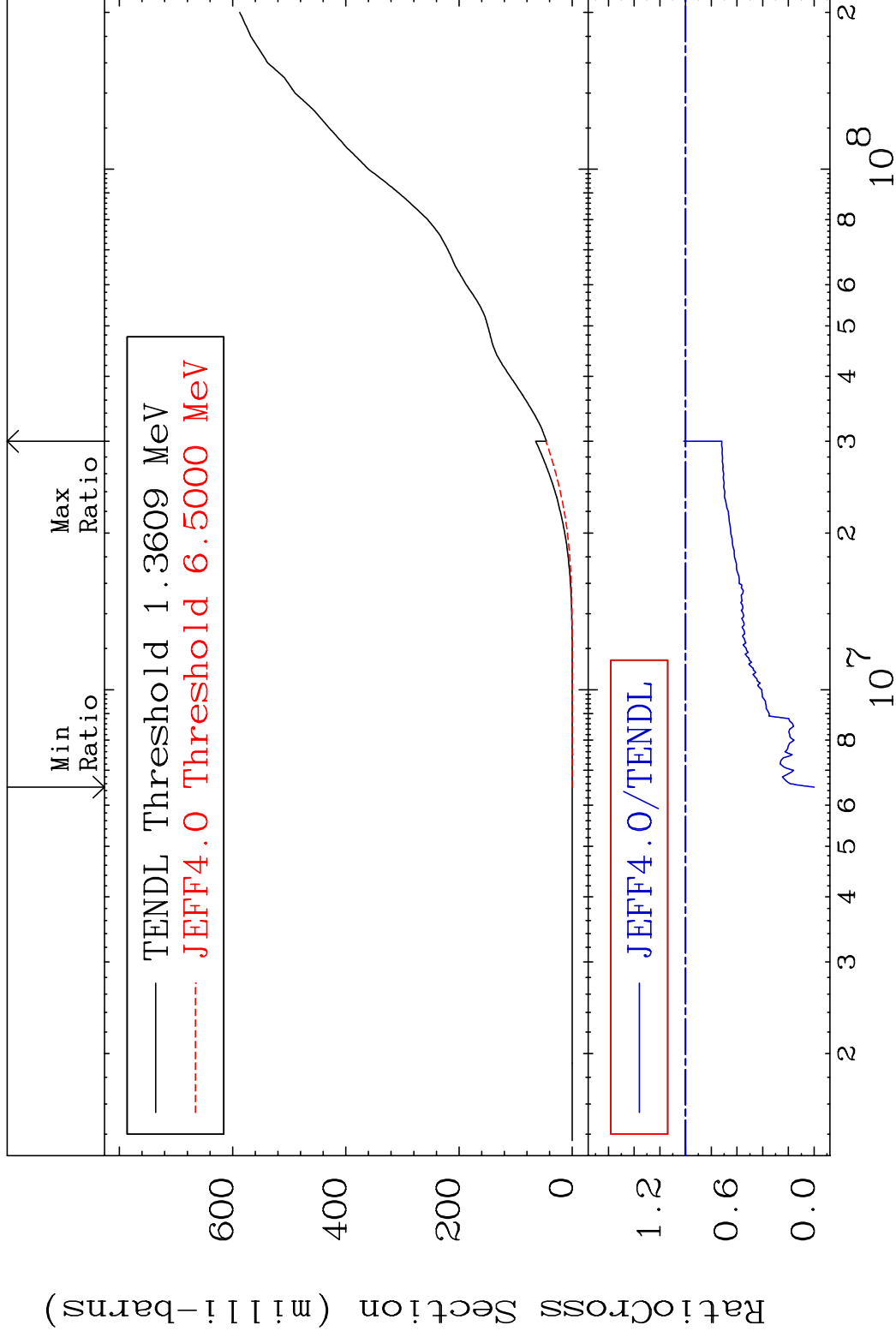
Incident Energy (eV)

92-U -237

MAT 9234

Hydrogen Production
Cross Section -100.0 To 1.489 %

92-U -237



48

Incident Energy (eV)

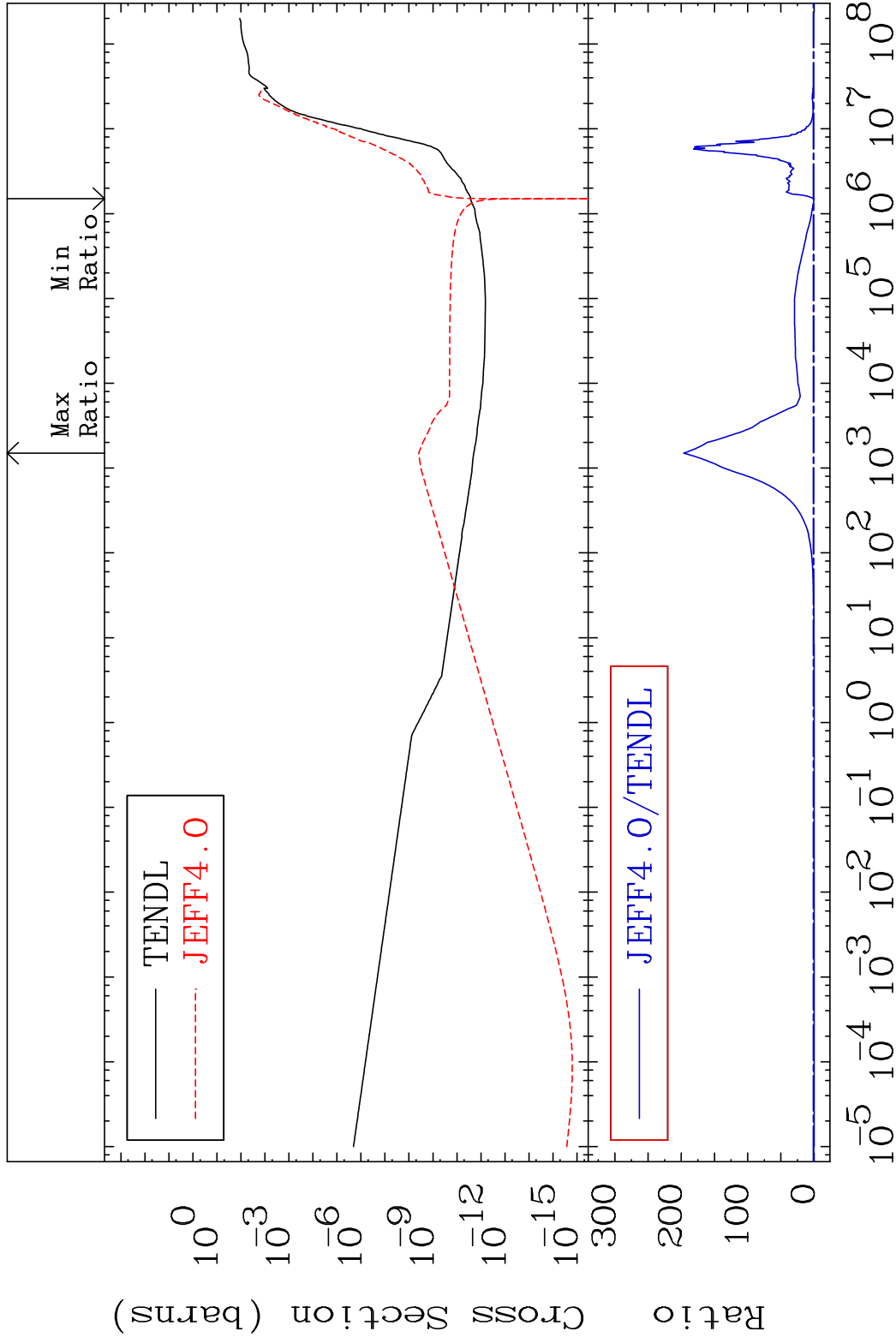
92-U -237

MAT 9234

He-4 Production

92-U -237

Cross Section -100.0 To 9999. %

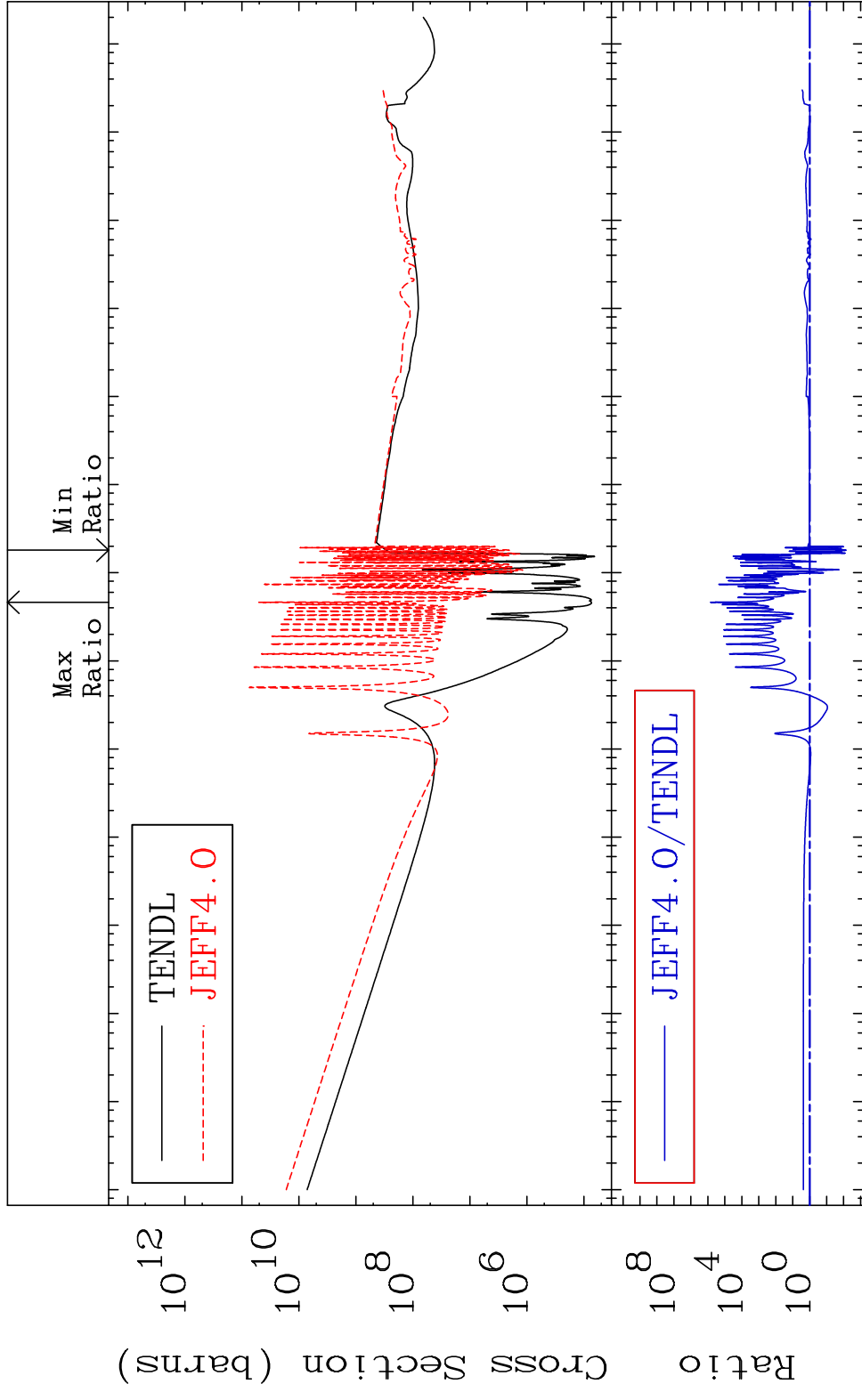


49

Incident Energy (eV)

92-U -237

MAT 9234 Kerma total (eV-barns) 92-U -237
 Cross Section -99.31 To 9999. %



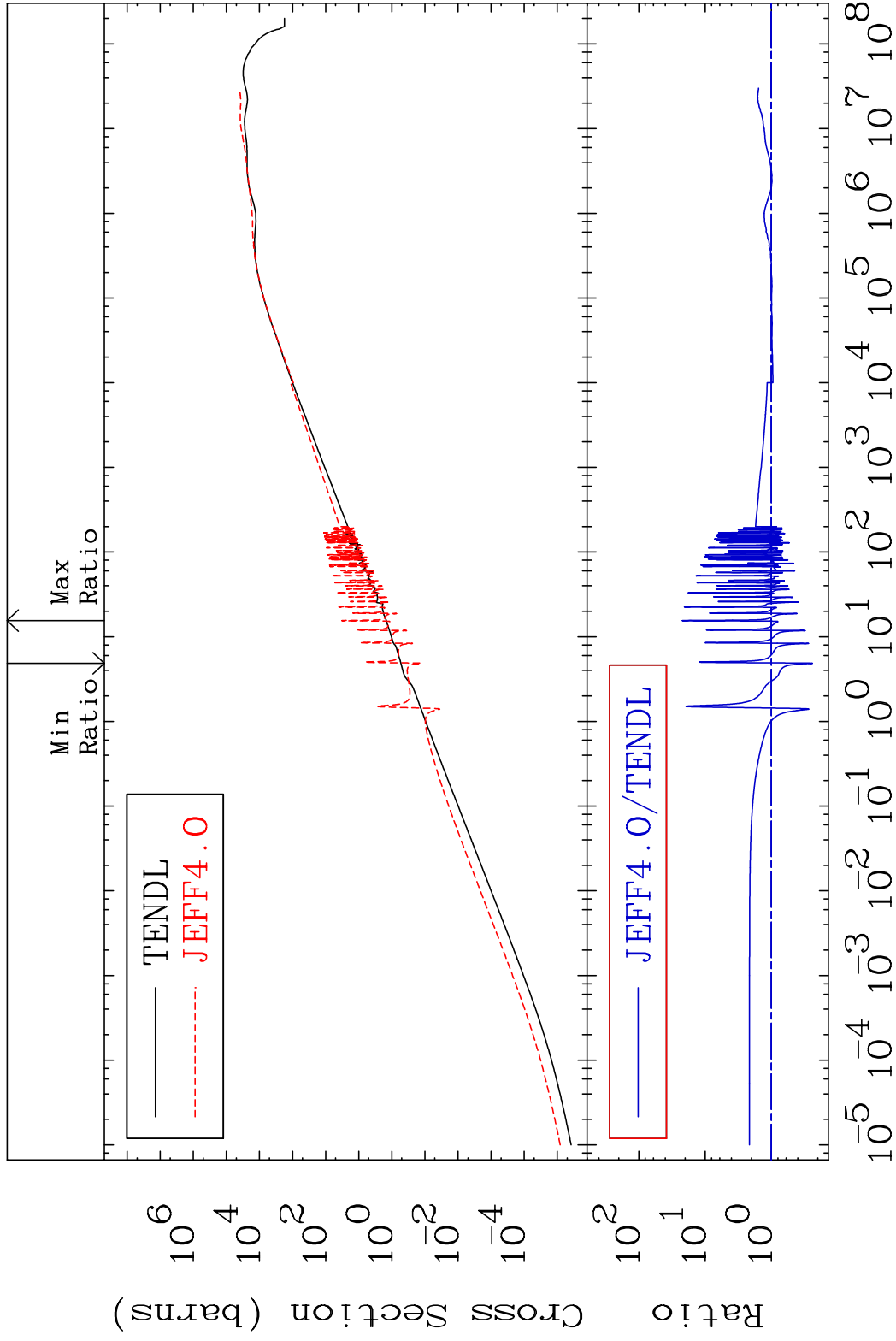
50 Incident Energy (eV) 92-U -237

MAT 9234

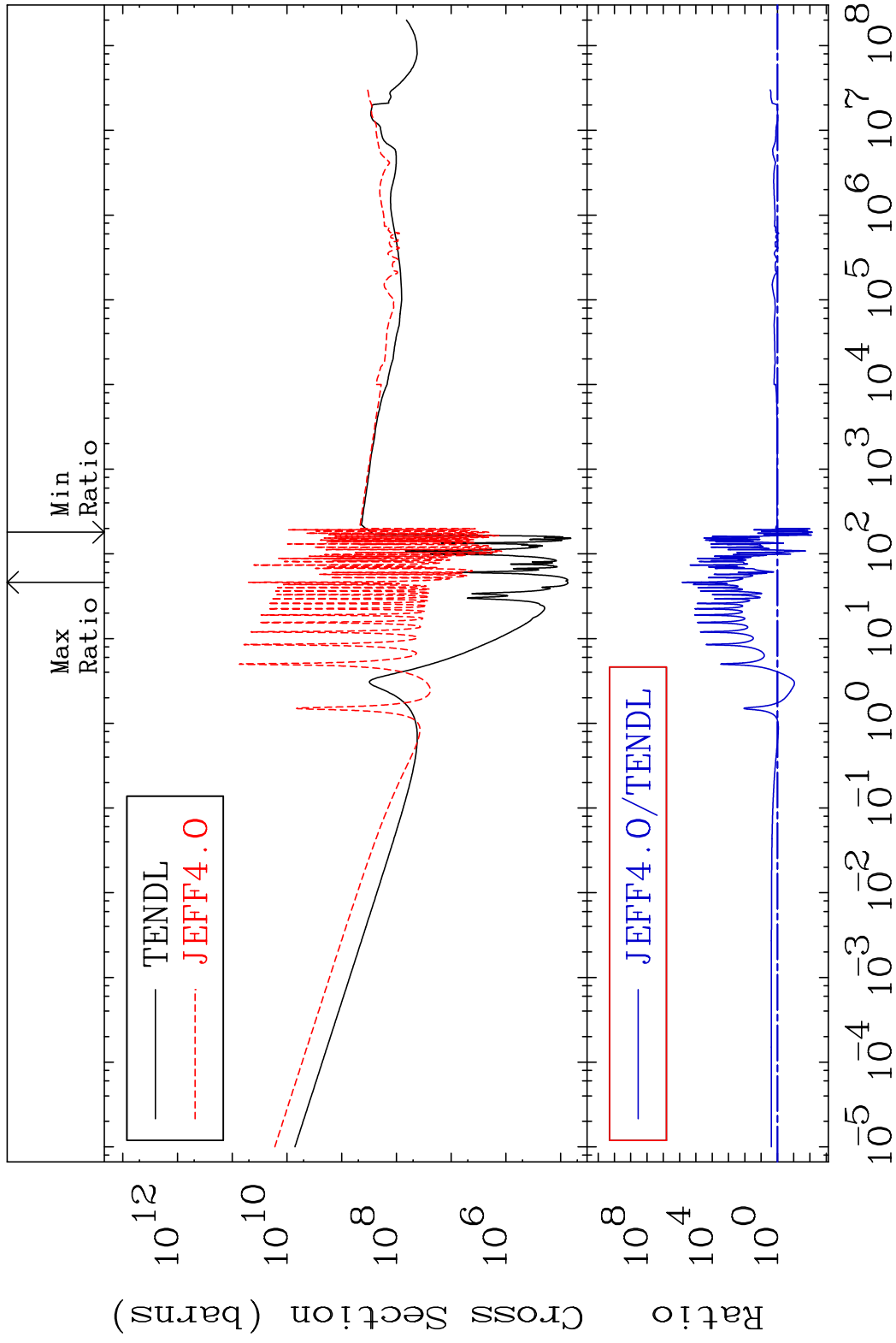
Kerma elastic

92-U -237

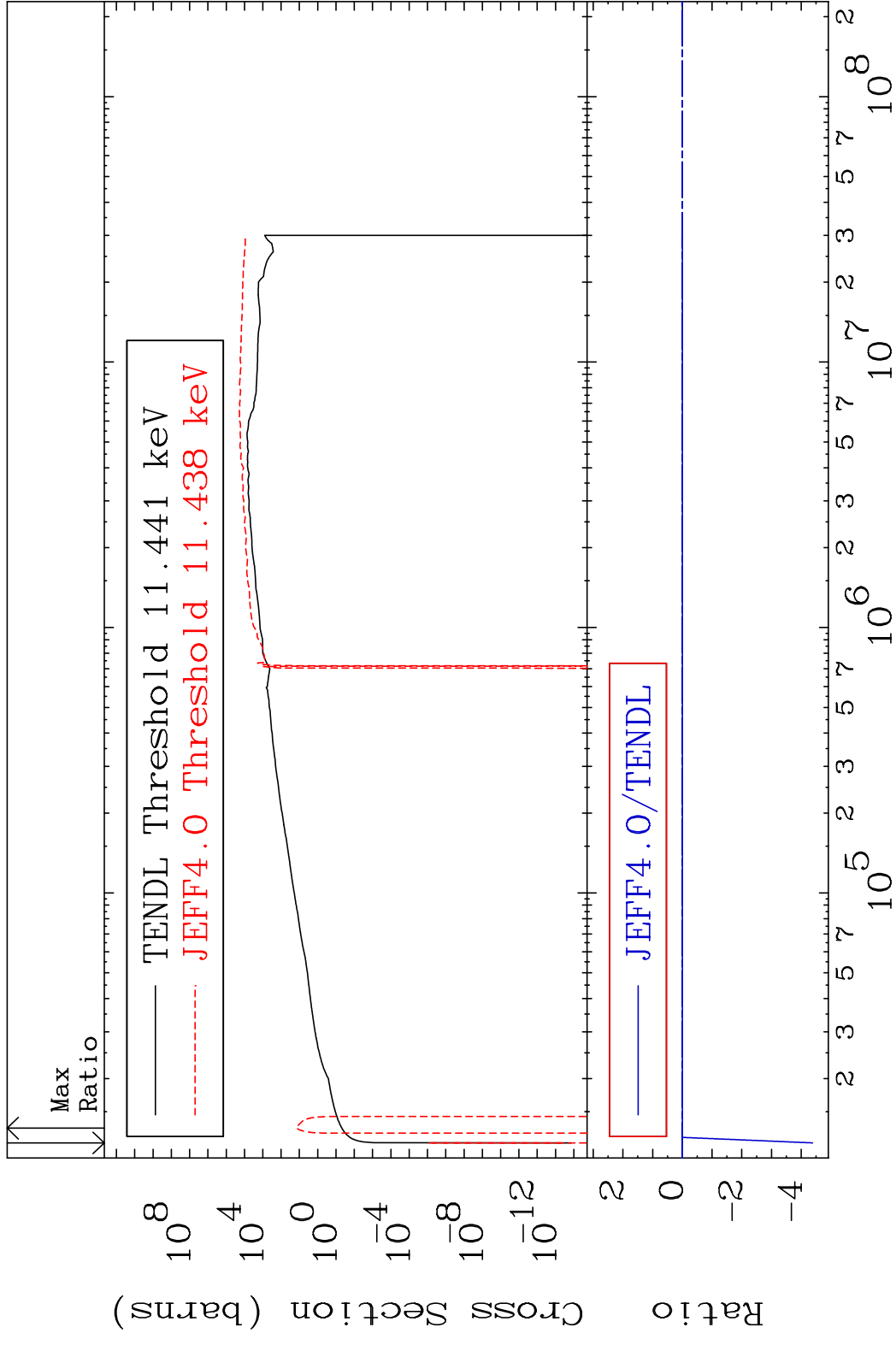
Cross Section -76.03 To 2103. %



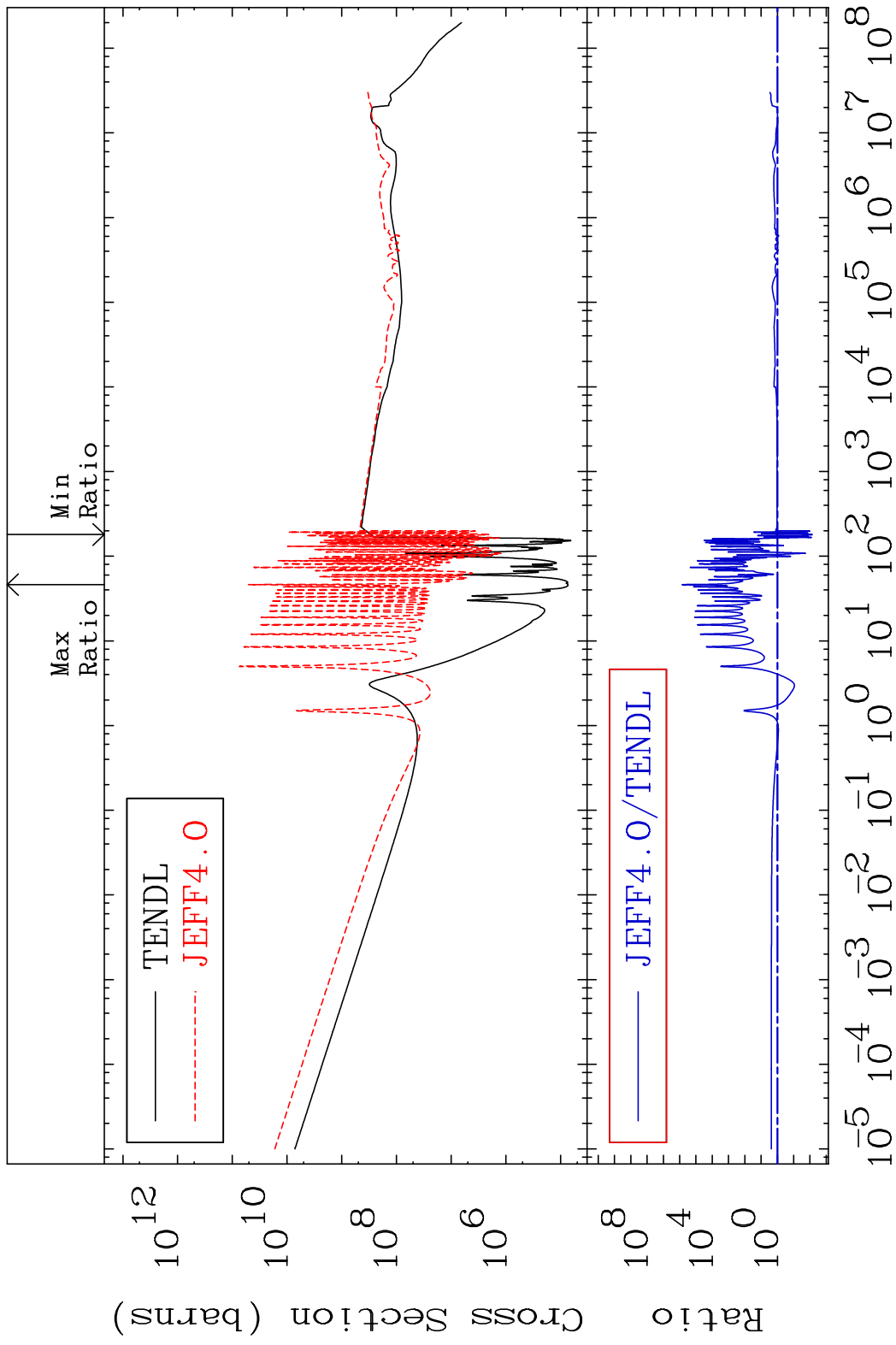
MAT 9234 Kerma non-elastic (all but mt2) 92-U -237
 Cross Section -99.31 To 9999. %



MAT 9234 Kerma inelastic (mt51-91) 92-U -237
 Cross Section -9999. To 9999. %

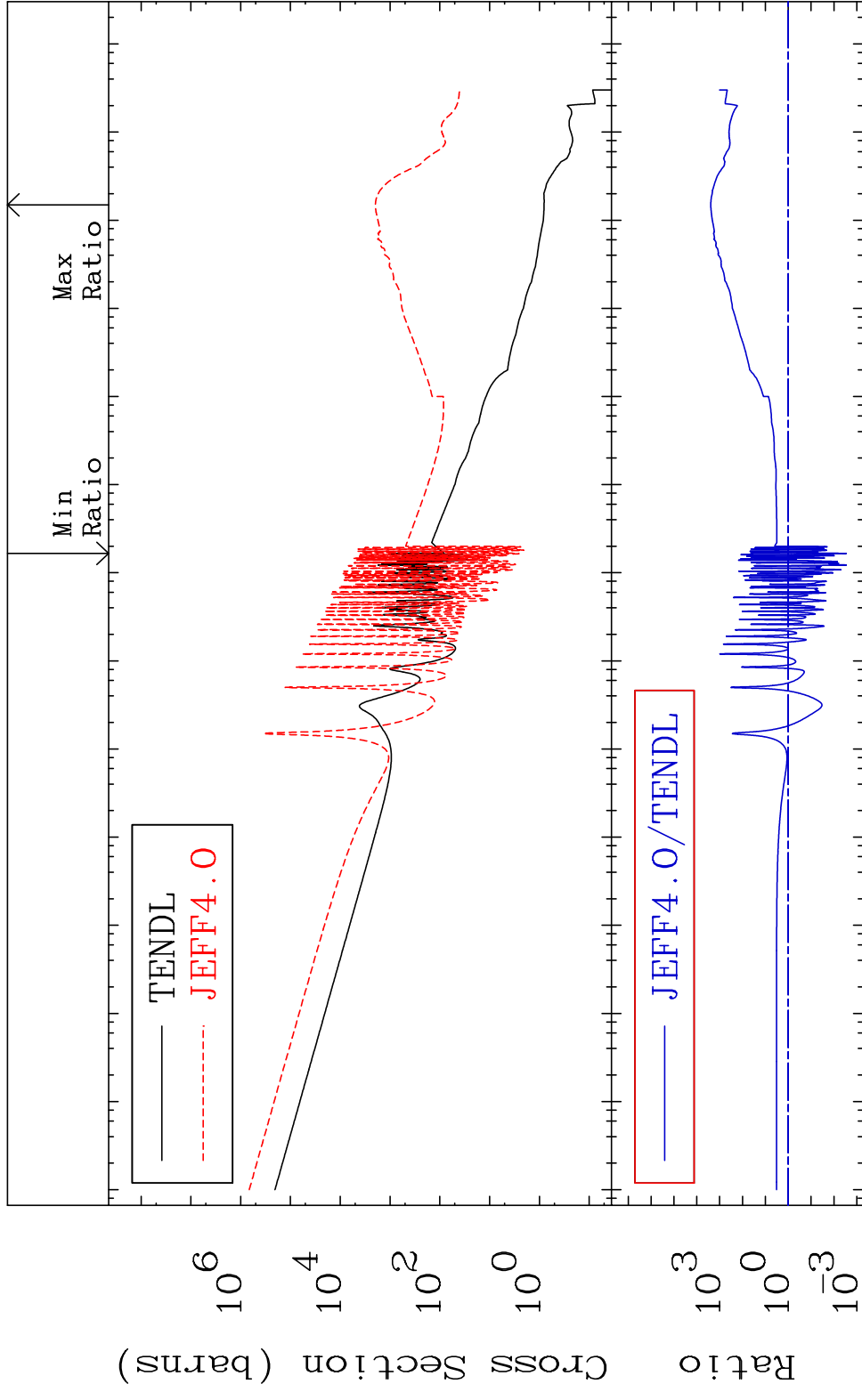


MAT 9234 Kerma fission (mt18 or mt19-20-21-38)2-U -237
 Cross Section -99.31 To 9999. %



MAT 9234

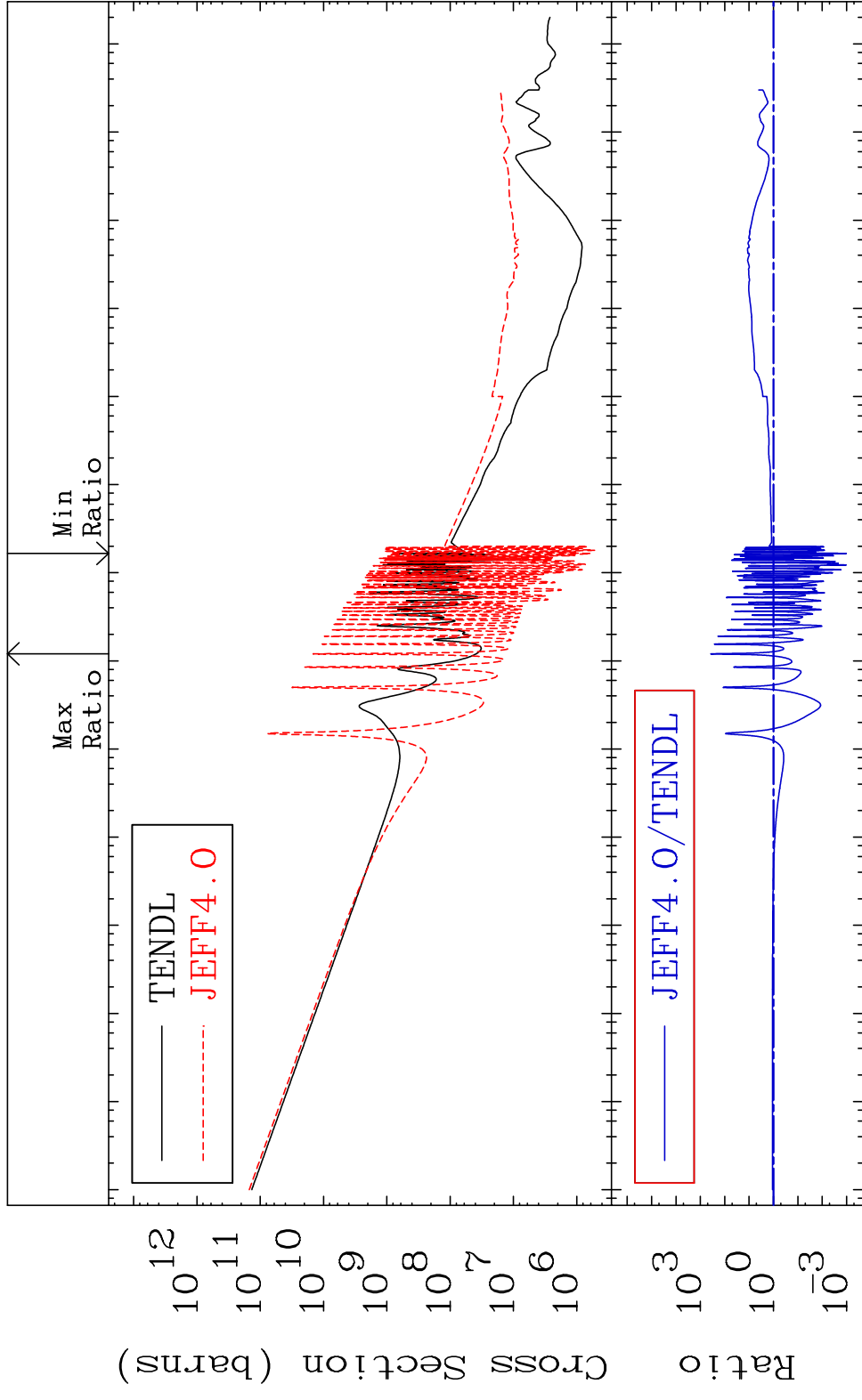
Kerma capture (mt102) 92-U -237
Cross Section -99.71 To 9999. %



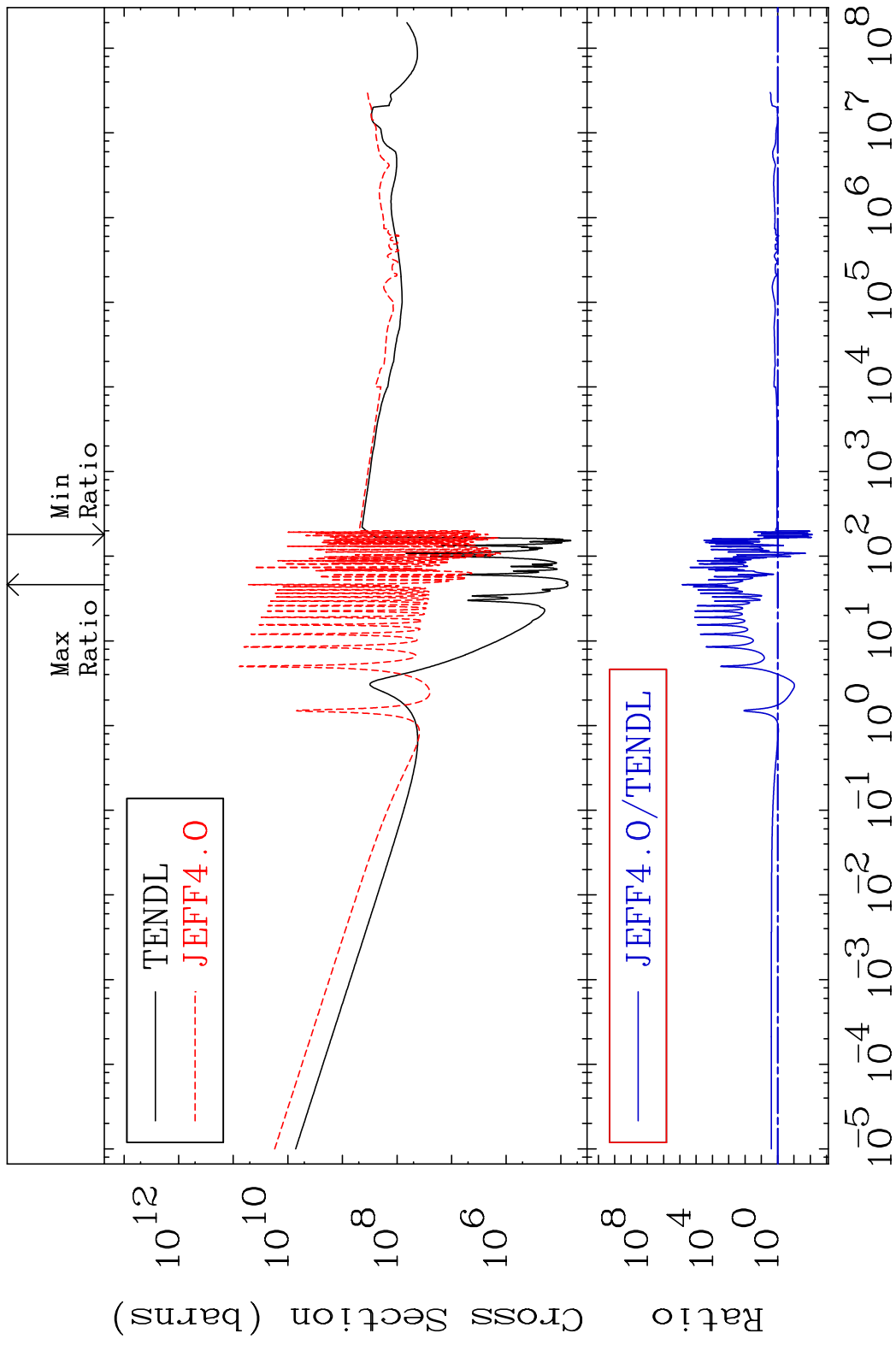
55

Incident Energy (eV) 92-U -237

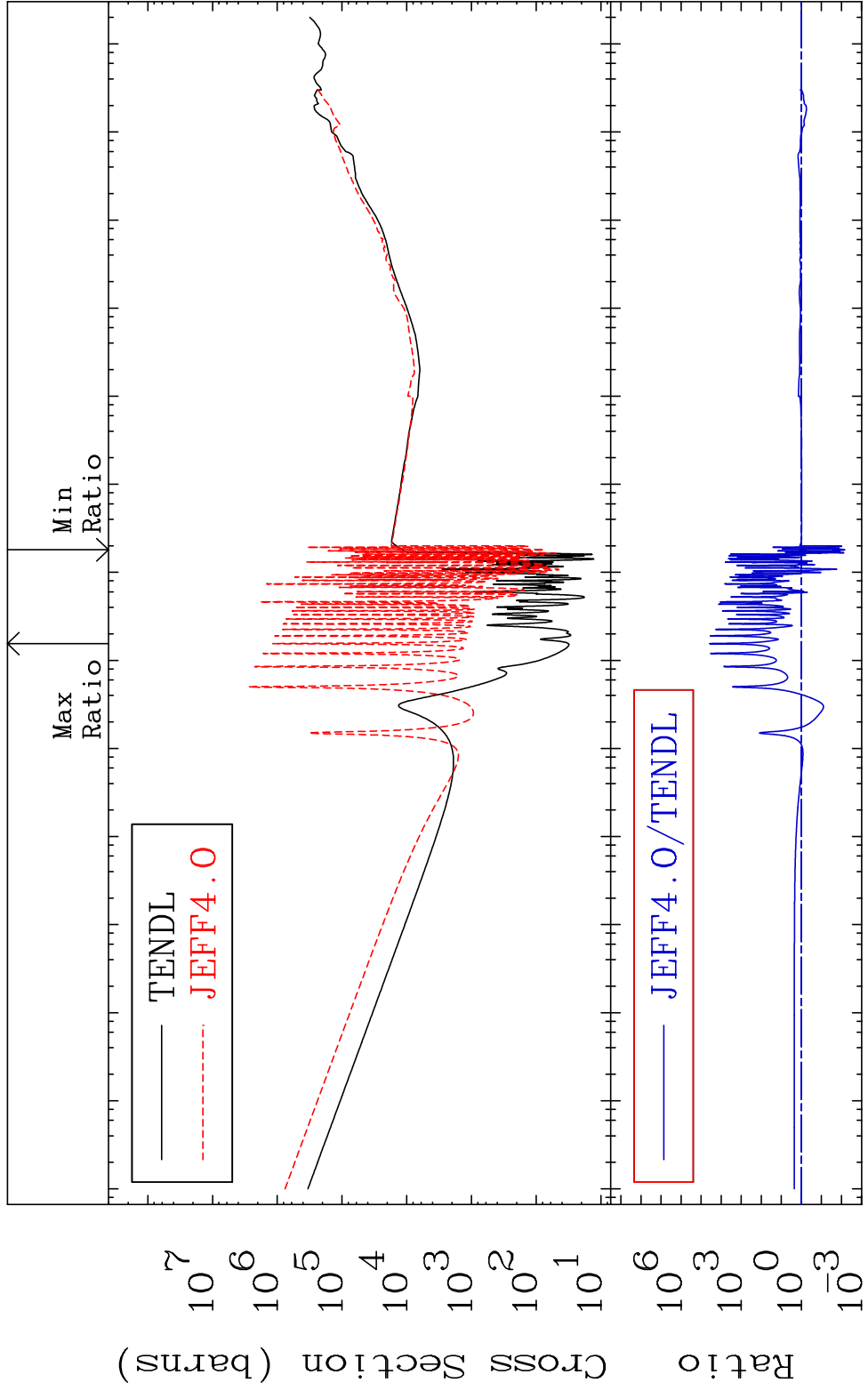
MAT 9234 Total photon (eV-barns) 92-U -237
 Cross Section -99.90 To 9999. %



MAT 9234 Total kinematic kerma (high limit) 92-U -237
 Cross Section -99.28 To 9999. %



MAT 9234 Dpa total (eV-barns) 92-U -237
 Cross Section -99.35 To 9999. %

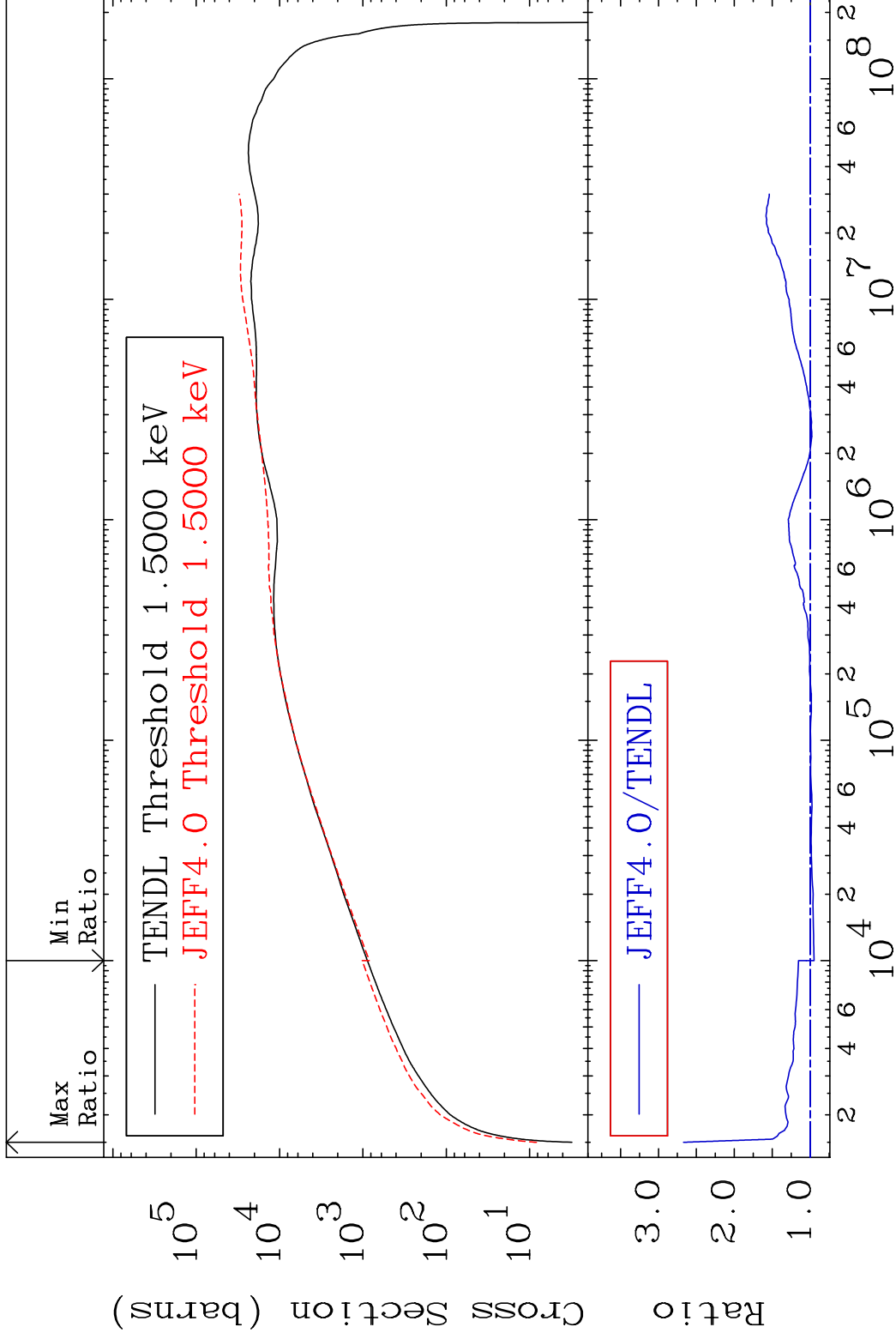


MAT 9234

Dpa elastic (mt2)

92-U -237

Cross Section -5.149 To 167.0 %

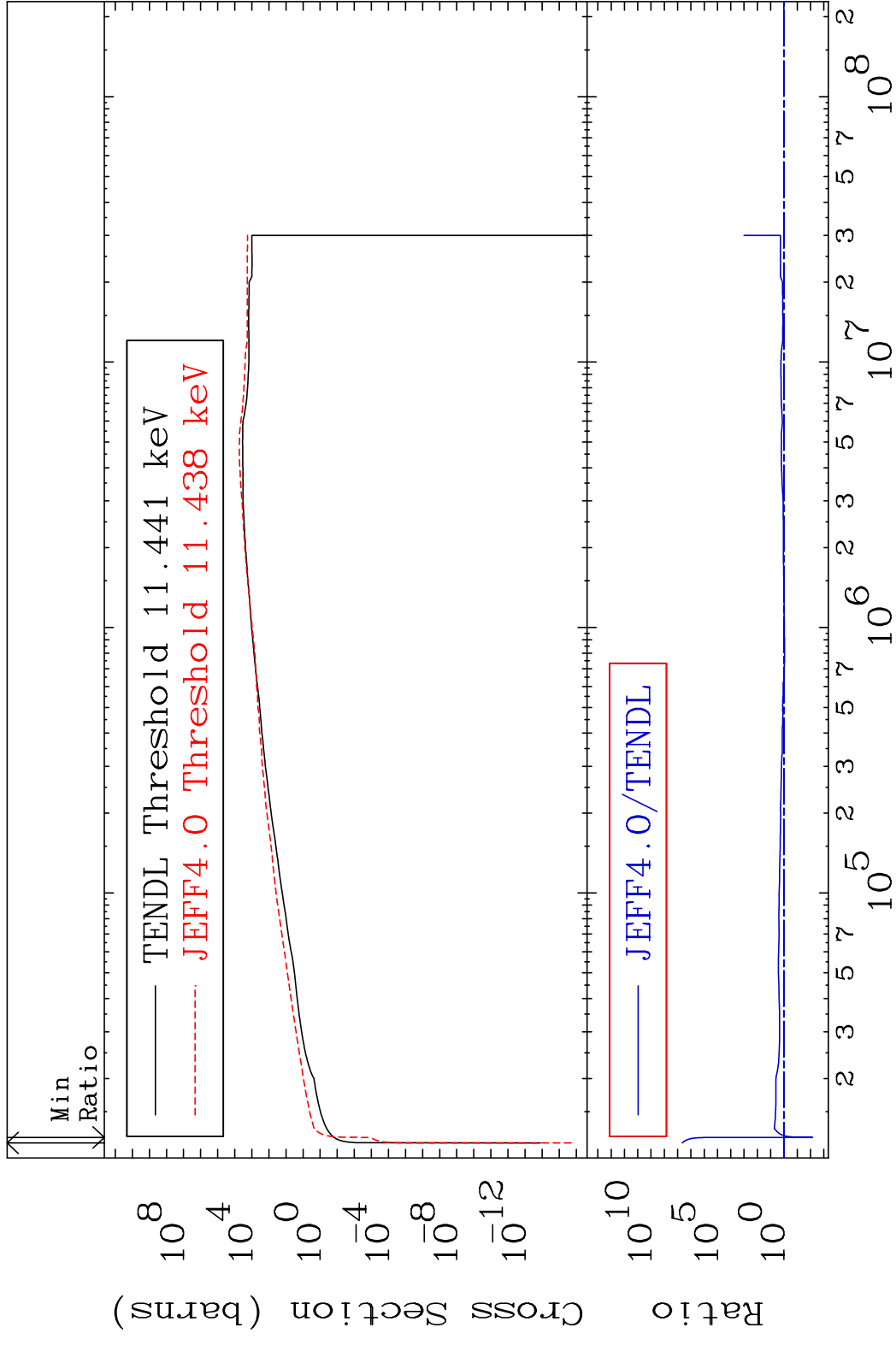


59

Incident Energy (eV)

92-U -237

MAT 9234 Dpa inelastic (mt51-91) 92-U -237
 Cross Section -99.30 To 9999. %



MAT 9234 Dpa disappearance (mt102 -120) 92-U -237
 Cross Section -99.77 To 9999. %

