

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

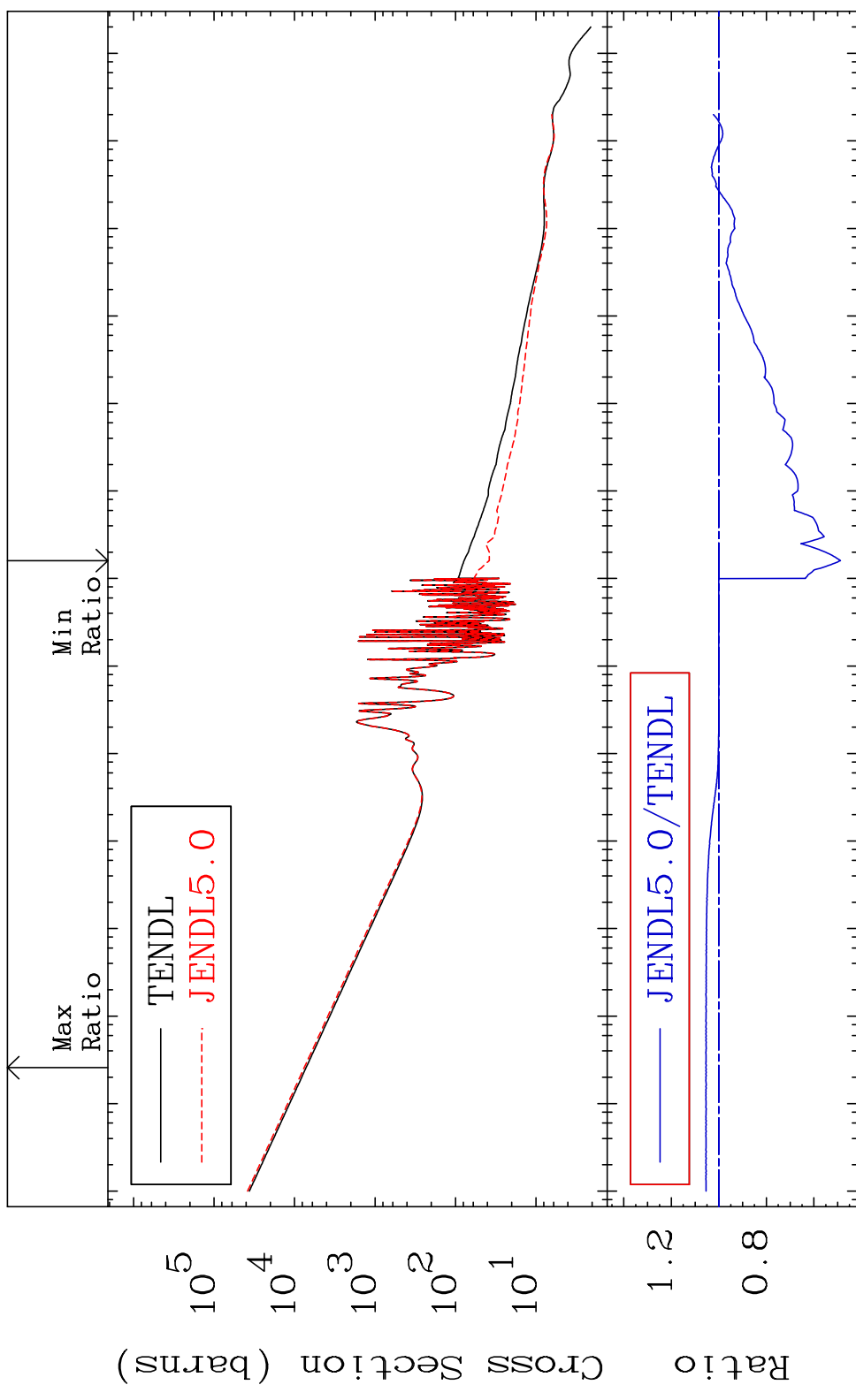
Press Mouse Button to Start

MAT 9634

Total

96-Cm-243

Cross Section -51.16 To 5.511 %



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

Incident Energy (eV)

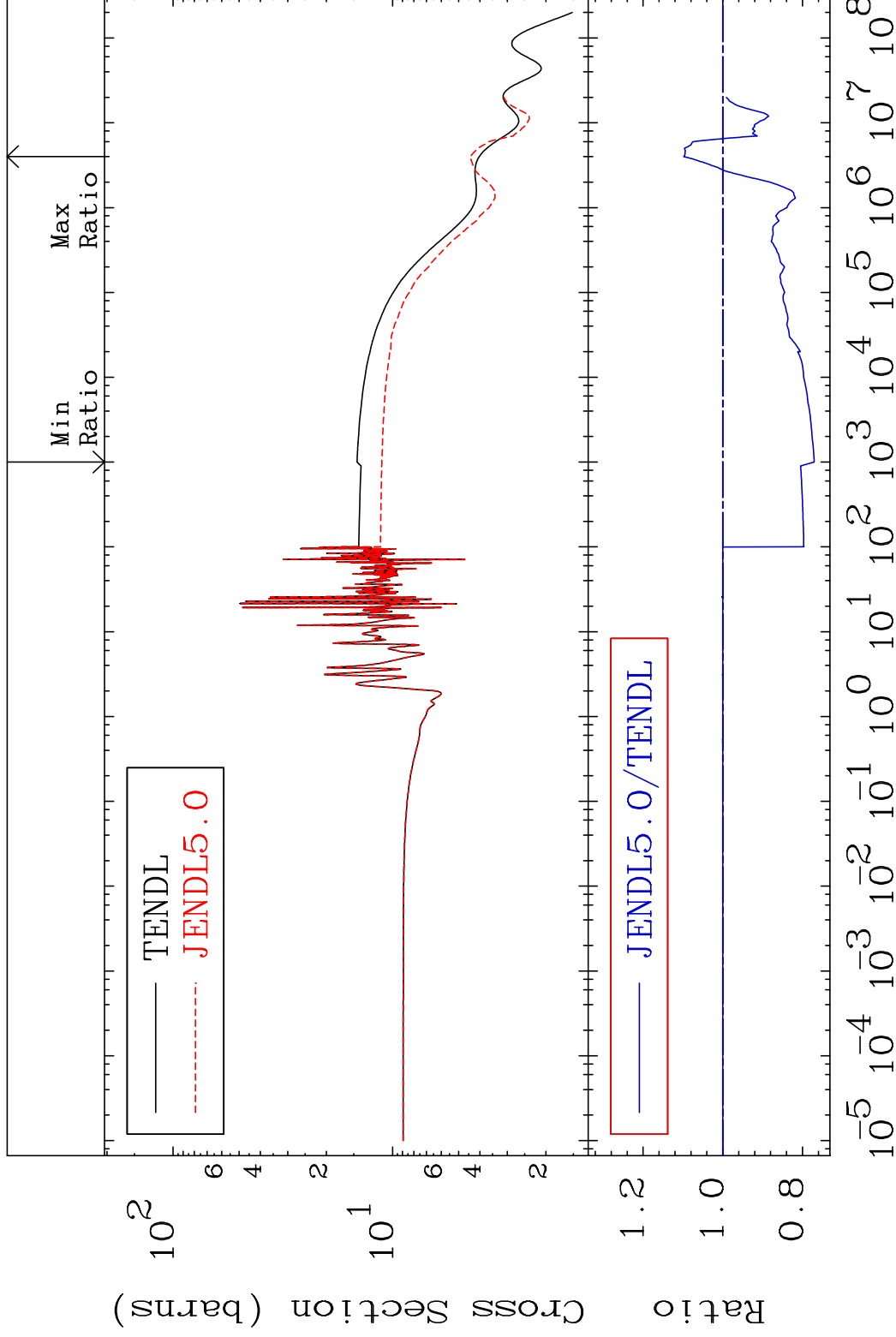
96-Cm-243

MAT 9634

Elastic

96-Cm-243

Cross Section -22.92 To 9.818 %



2

Incident Energy (eV)

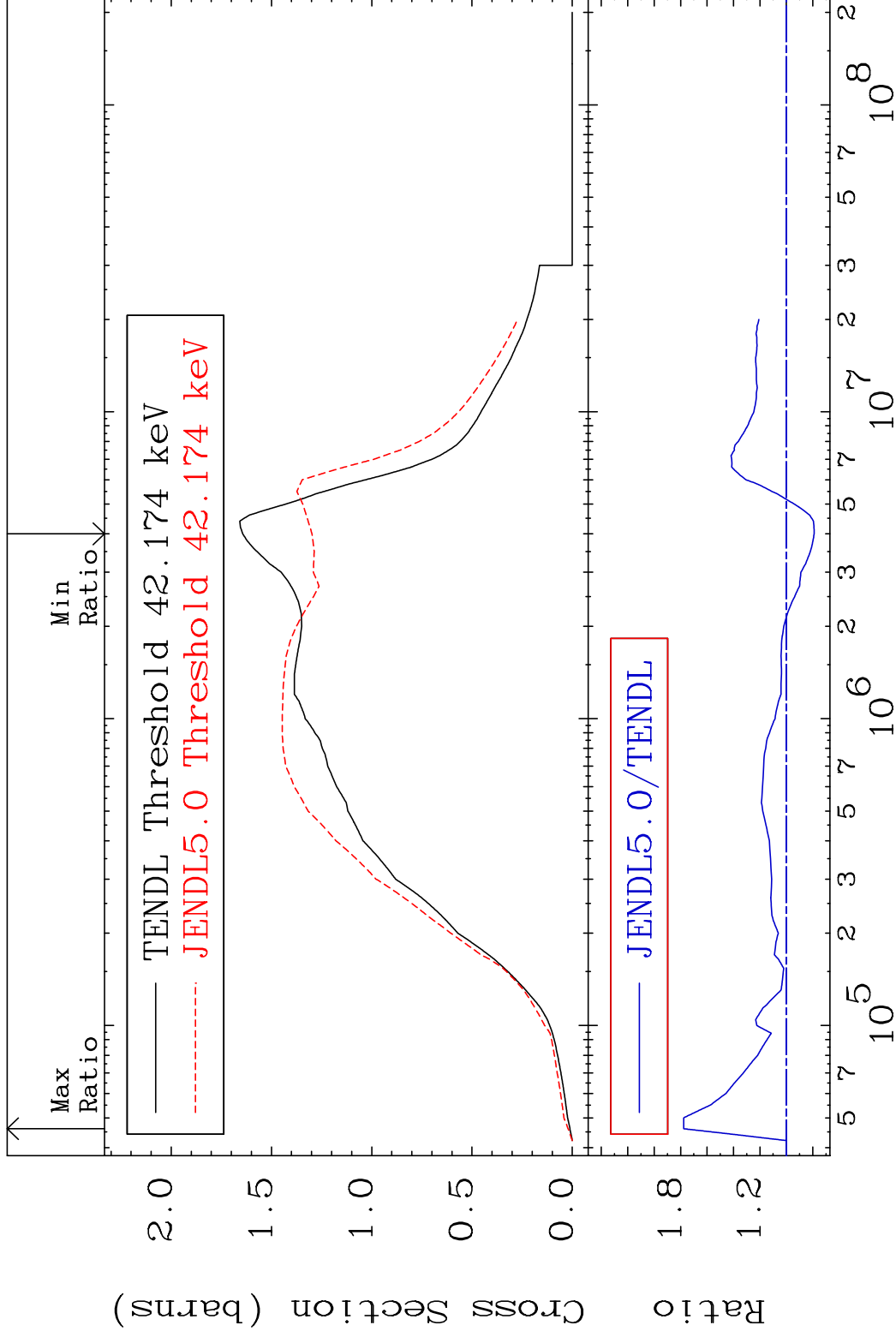
96-Cm-243

MAT 9634

Inelastic

96-Cm-243

Cross Section -21.01 To 77.69 %

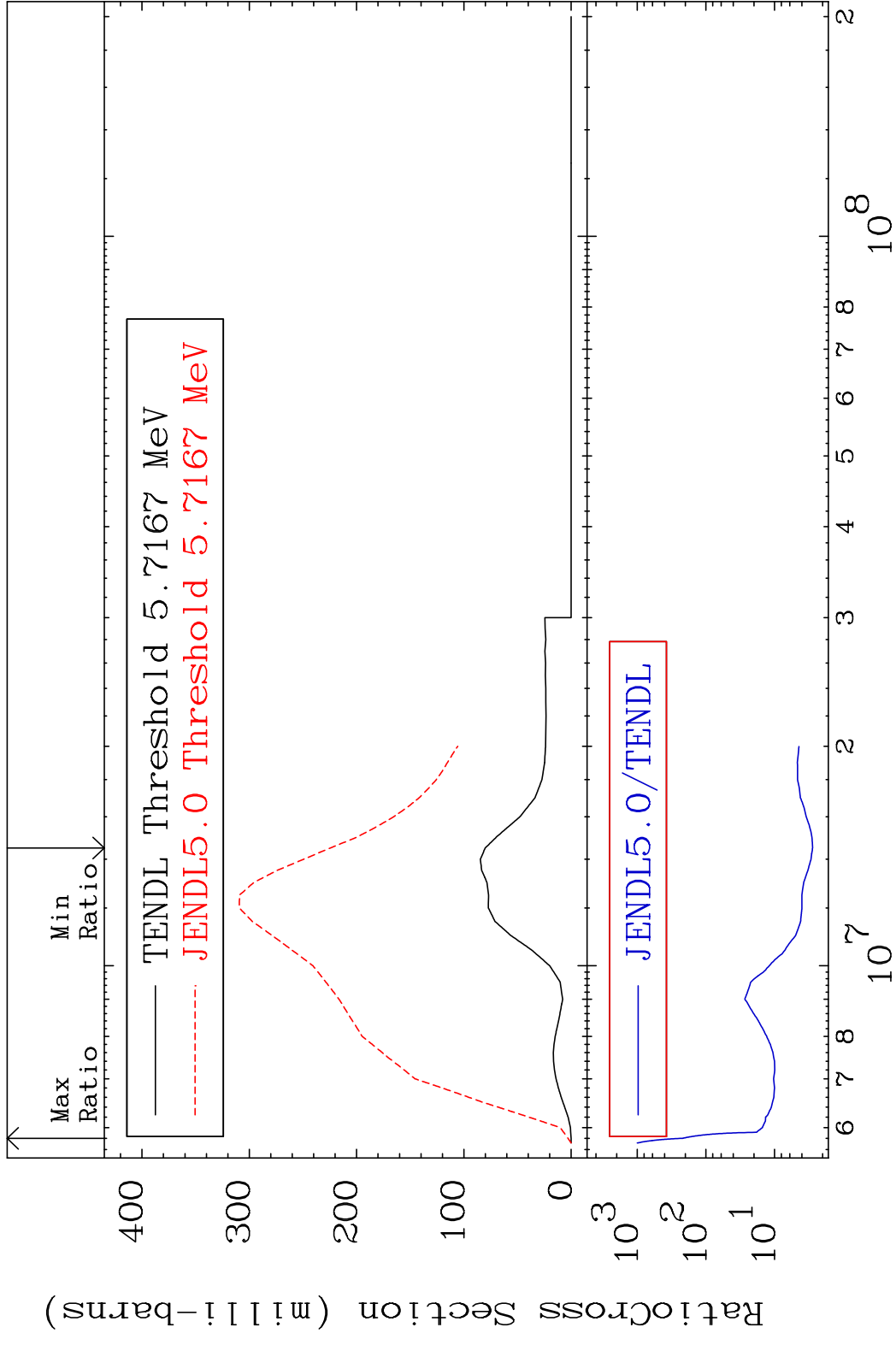


3

Incident Energy (eV)

96-Cm-243

MAT 9634 (n,2n) 96-Cm-243
 Cross Section 180.2 To 9999. %



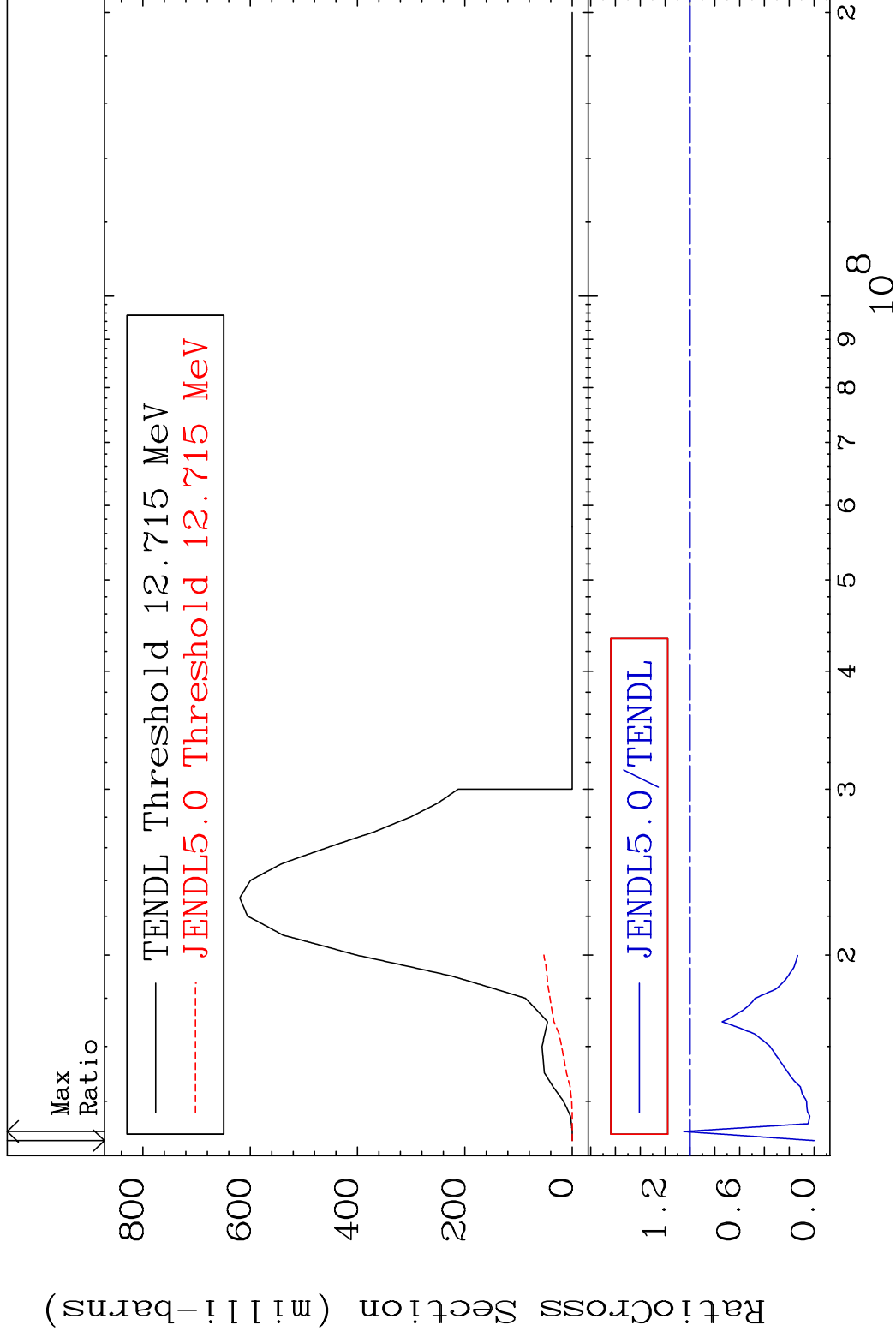
4 96-Cm-243

MAT 9634

(n,3n)

96-Cm-243

Cross Section -100.0 To 5.054 %



5

Incident Energy (eV)

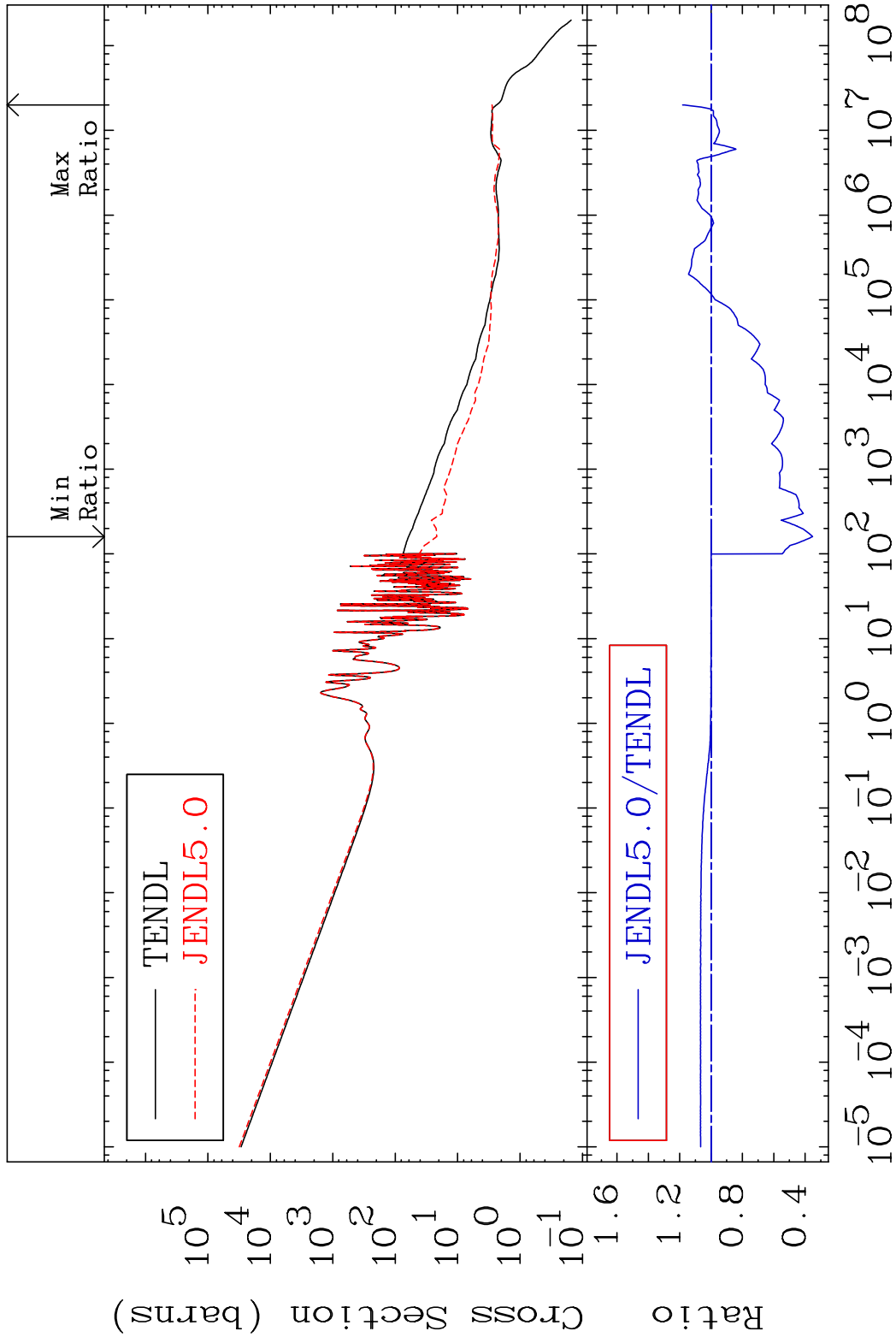
96-Cm-243

MAT 9634

Fission

96-Cm-243

Cross Section -64.75 To 18.31 %

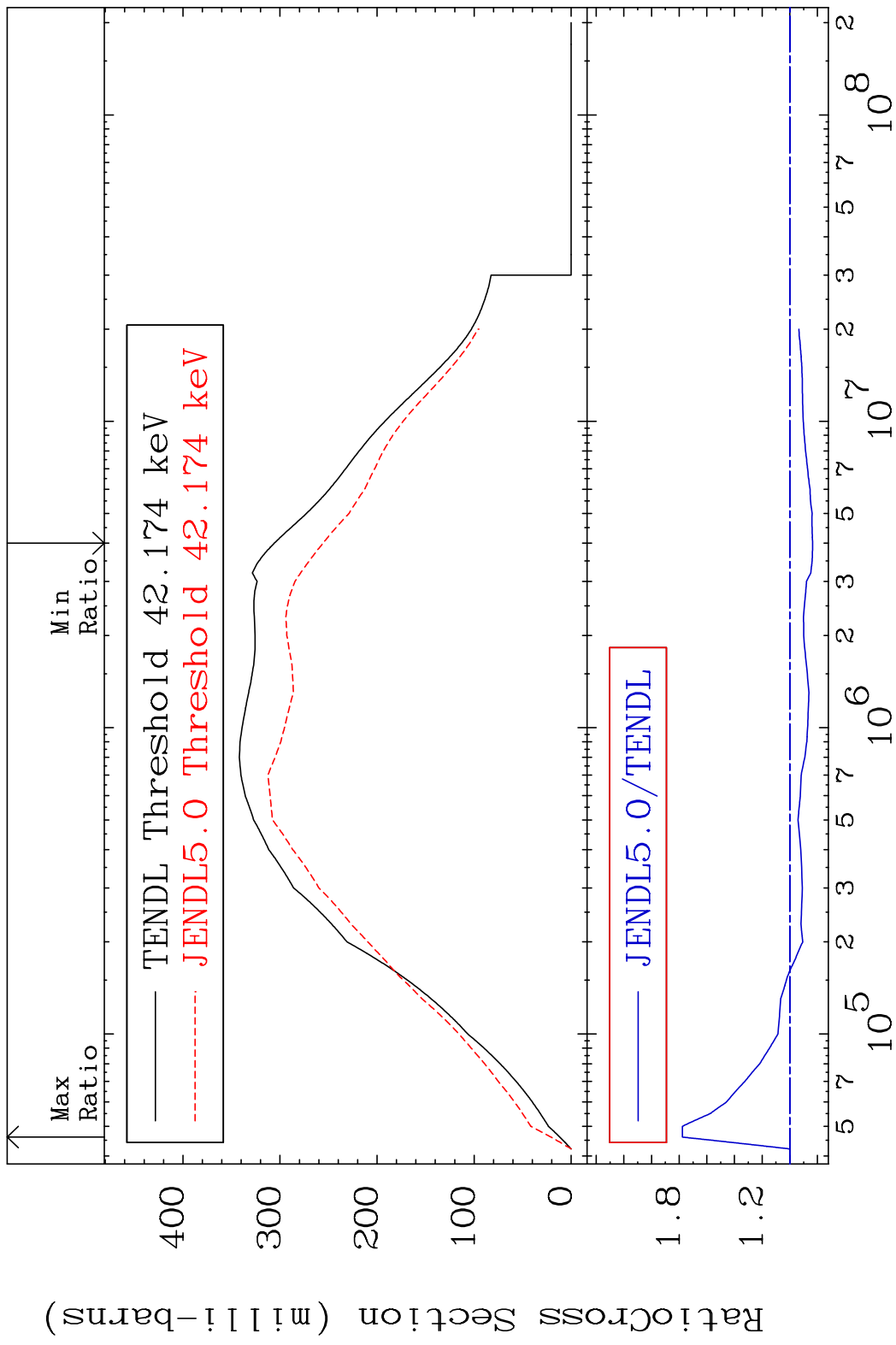


6

Incident Energy (eV)

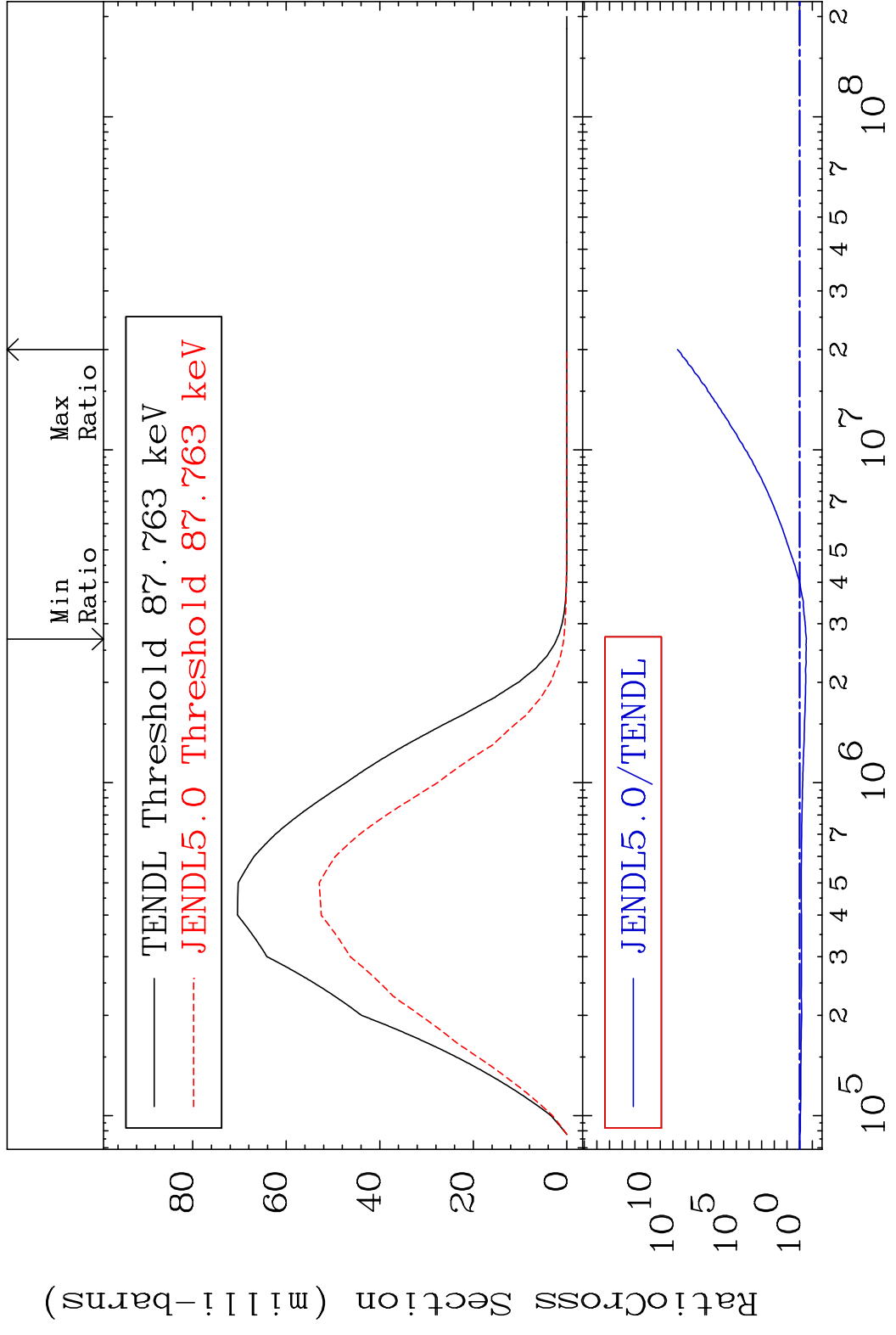
96-Cm-243

MAT 9634 MT= 51 (n, n') Level 96-Cm-243
 Cross Section -16.44 To 77.69 %



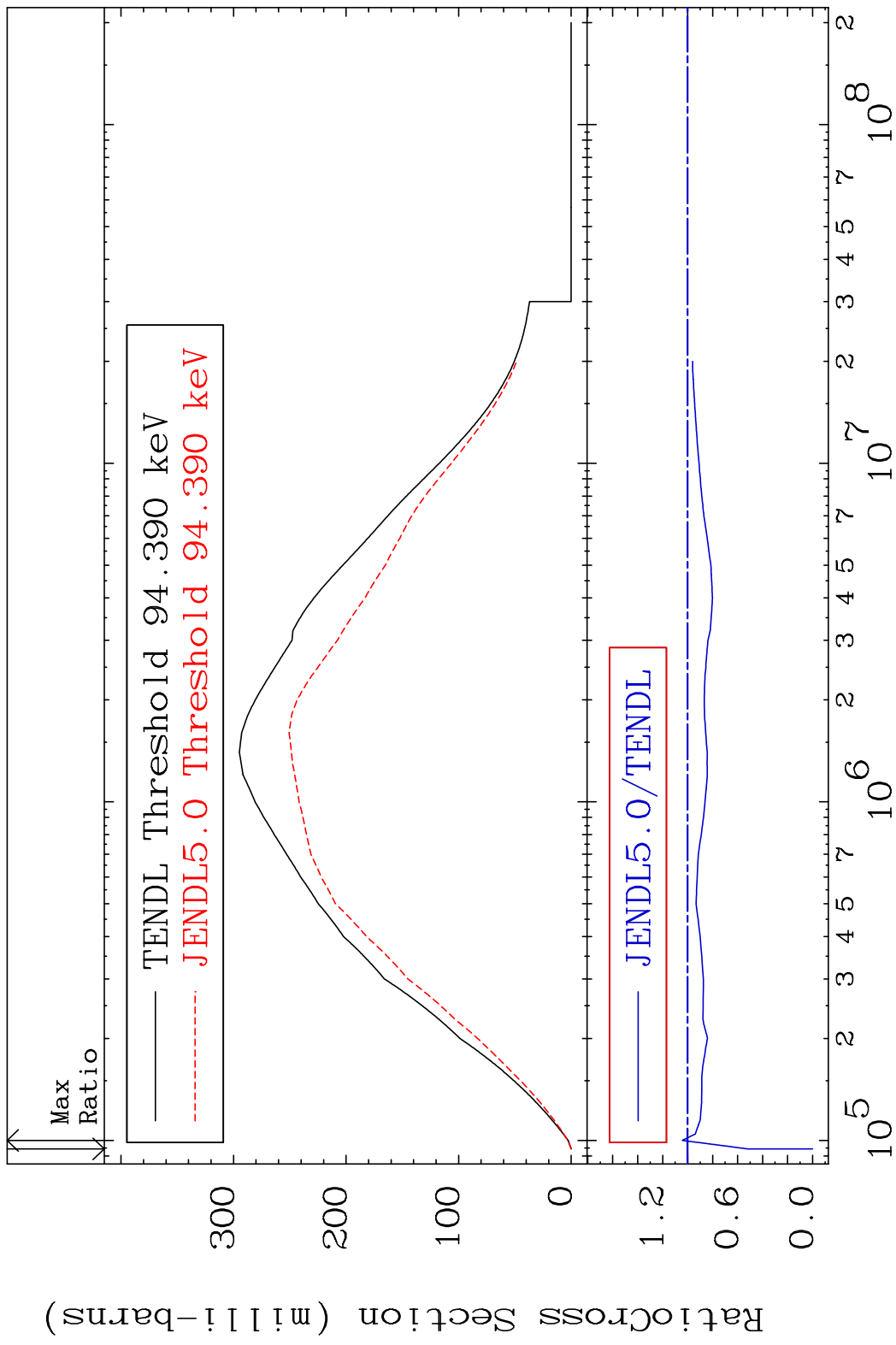
7 96-Cm-243

MAT 9634 MT= 52 (n,n') Level 96-Cm-243
 Cross Section -70.10 To 9999. %



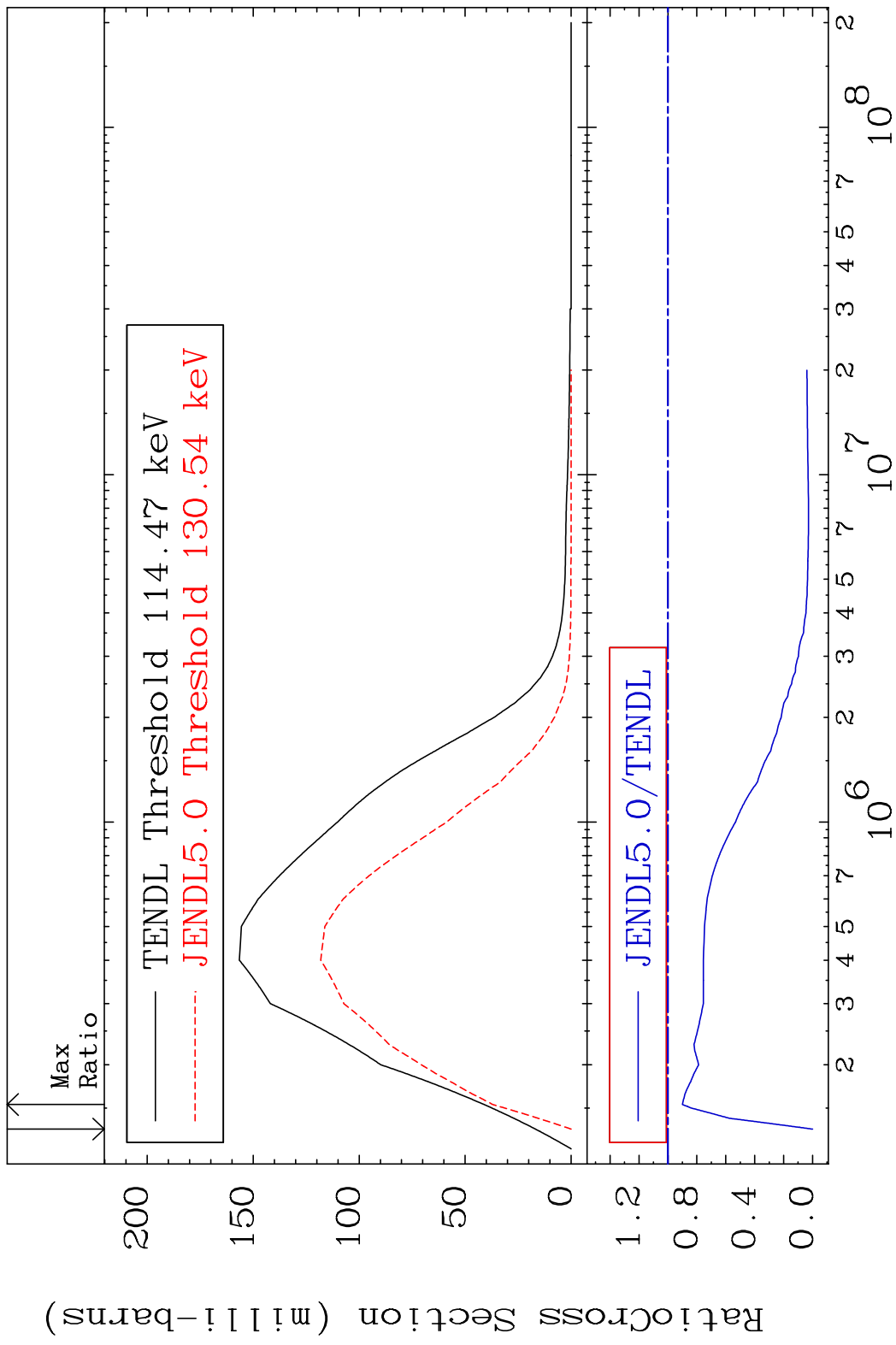
8 Incident Energy (eV) 96-Cm-243

MAT 9634 MT= 53 (n,n') Level 96-Cm-243
 Cross Section -100.0 To 4.243 %

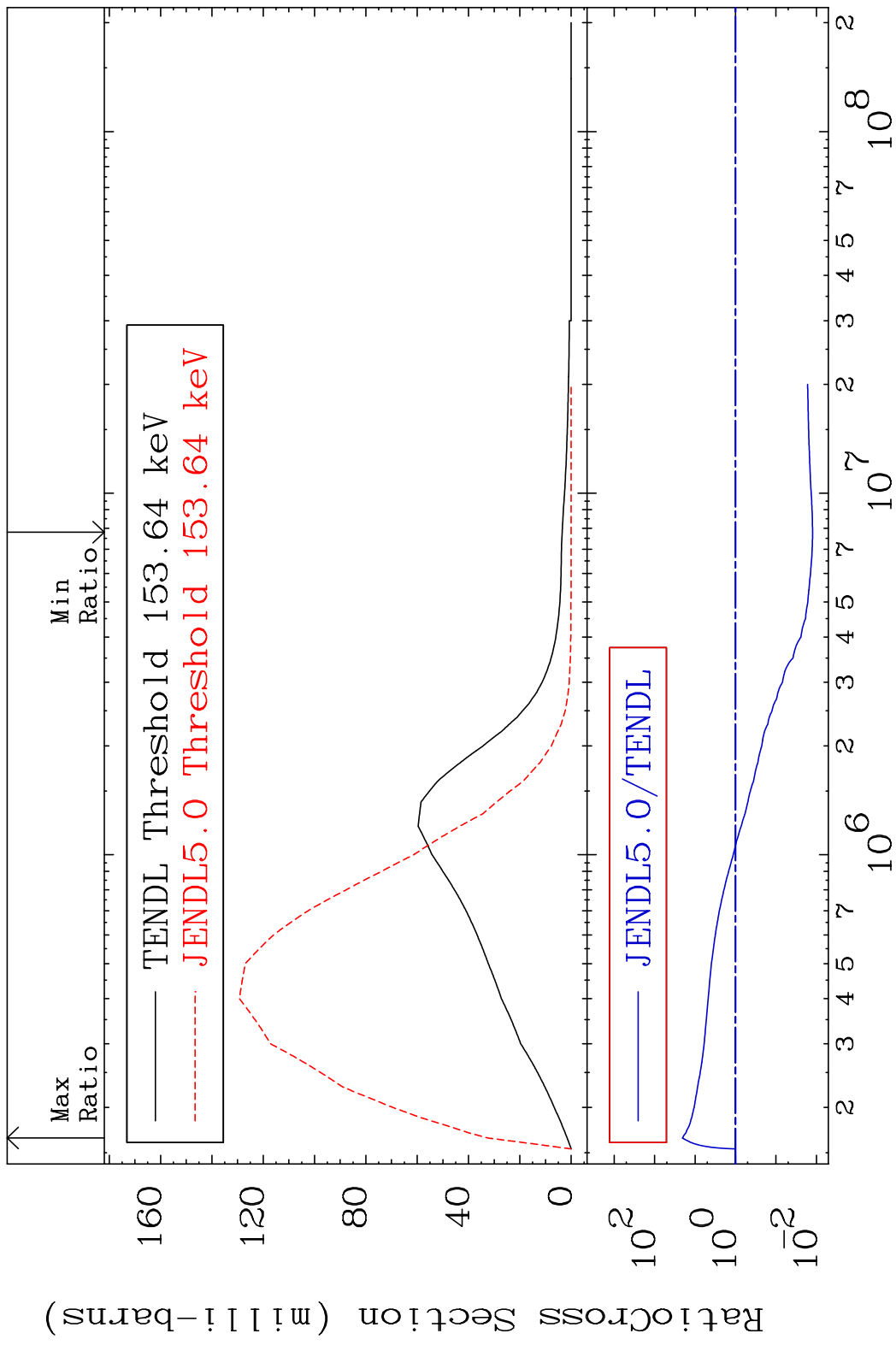


9 96-Cm-243

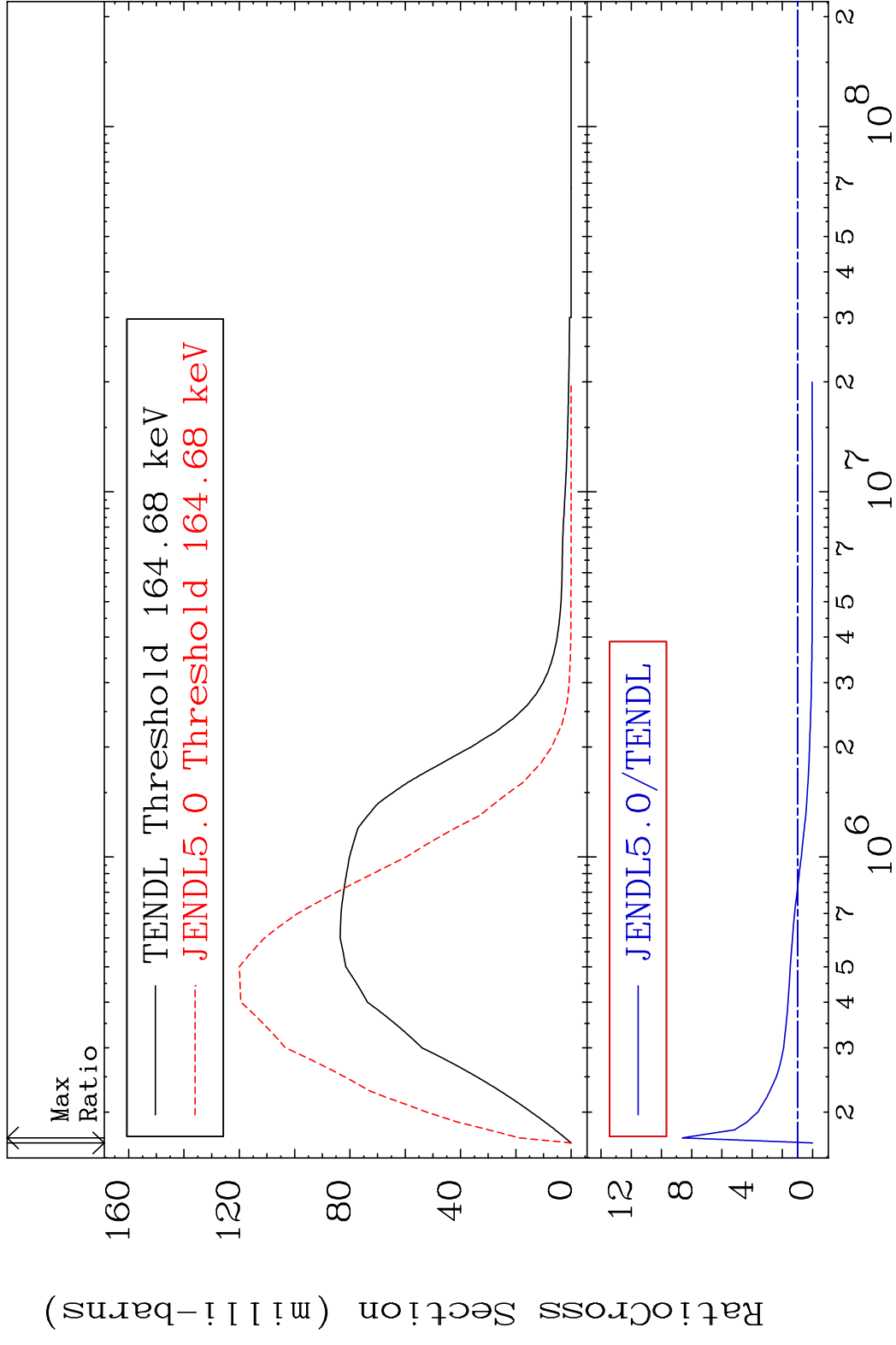
MAT 9634 MT= 55 (n,n') Level 96-Cm-243
 Cross Section -100.0 To -9.985%



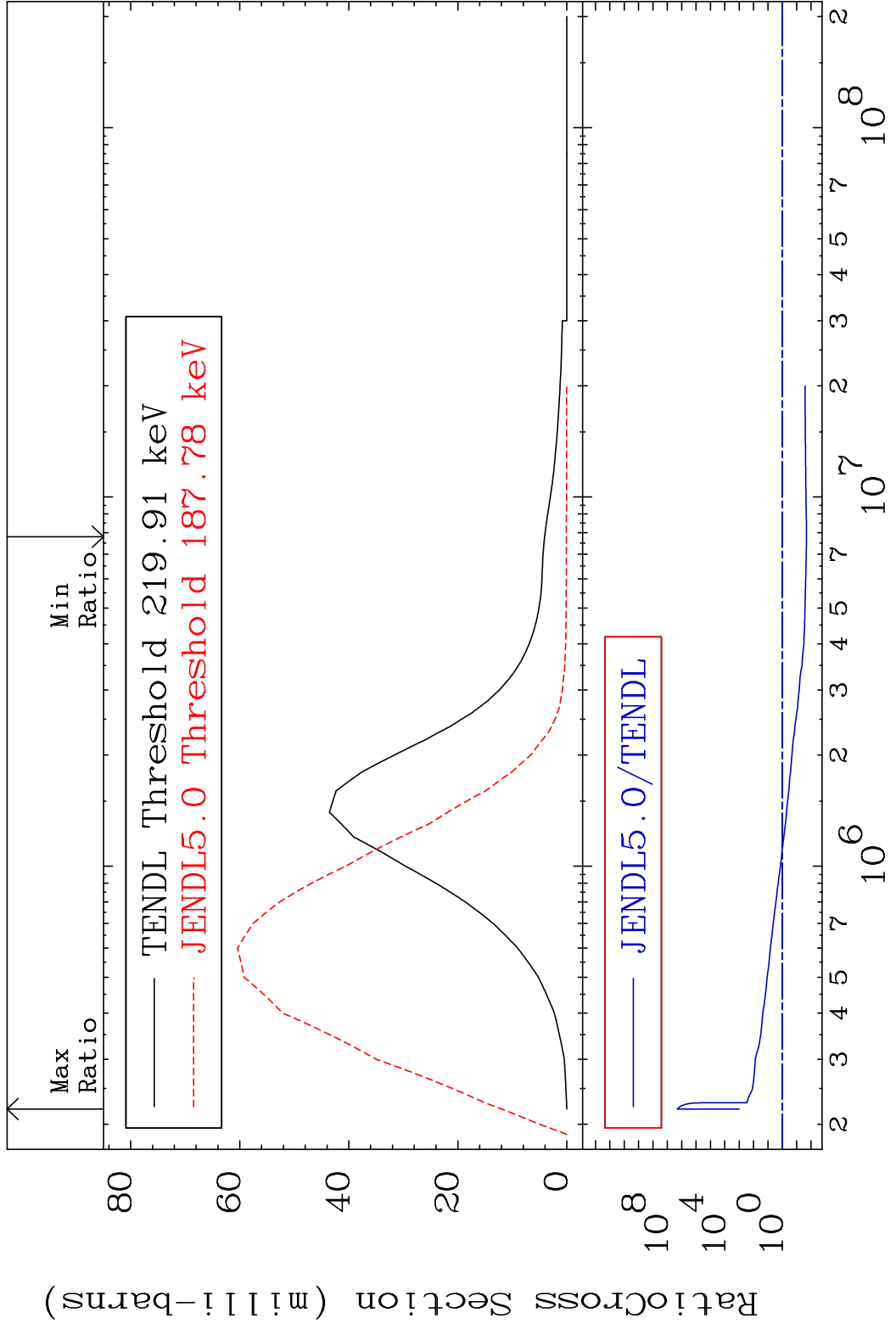
MAT 9634 MT= 56 (n, n') Level 96-Cm-243
 Cross Section -98.75 To 1960. %



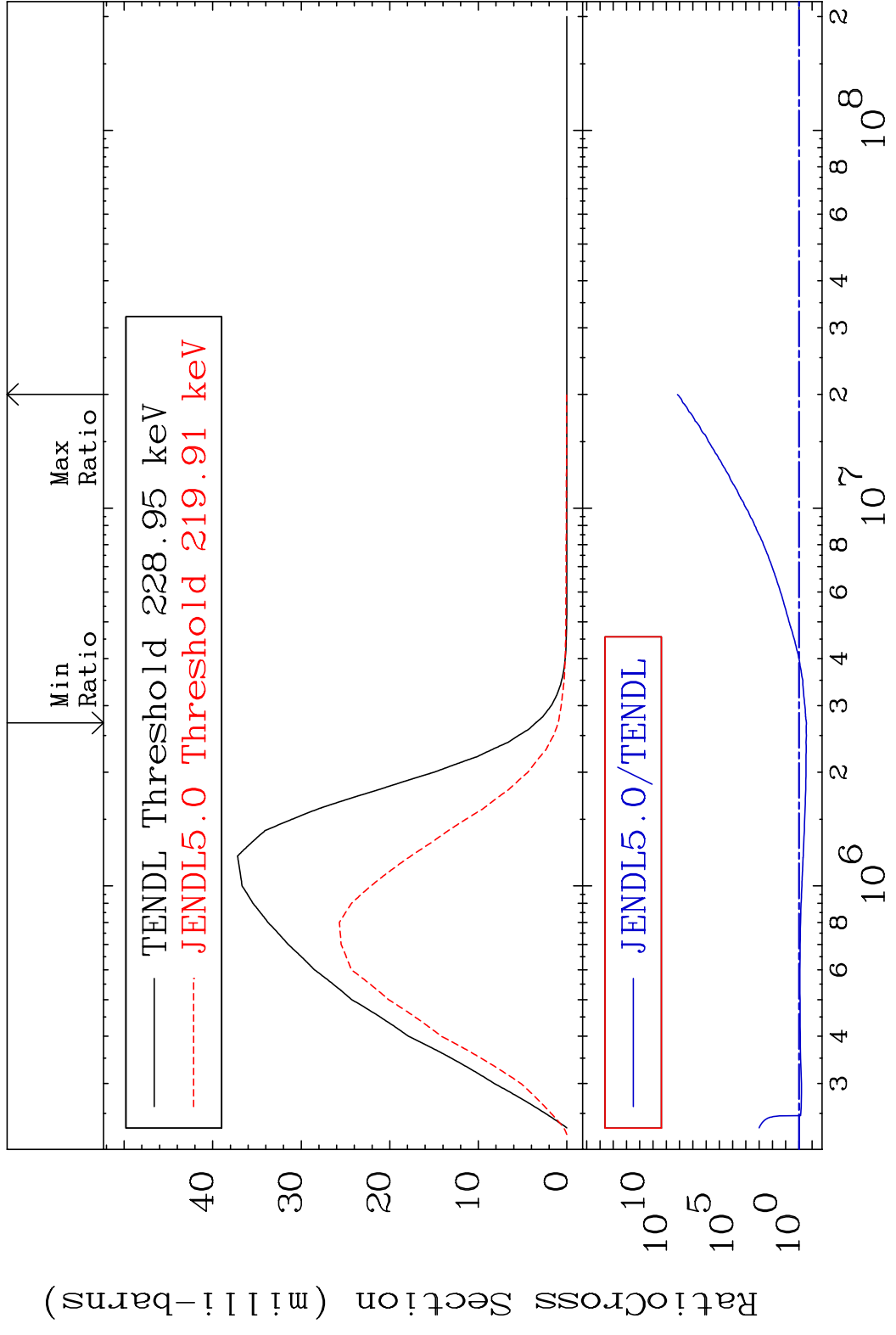
MAT 9634 MT= 57 (n,n') Level 96-Cm-243
 Cross Section -100.0 To 761.6 %



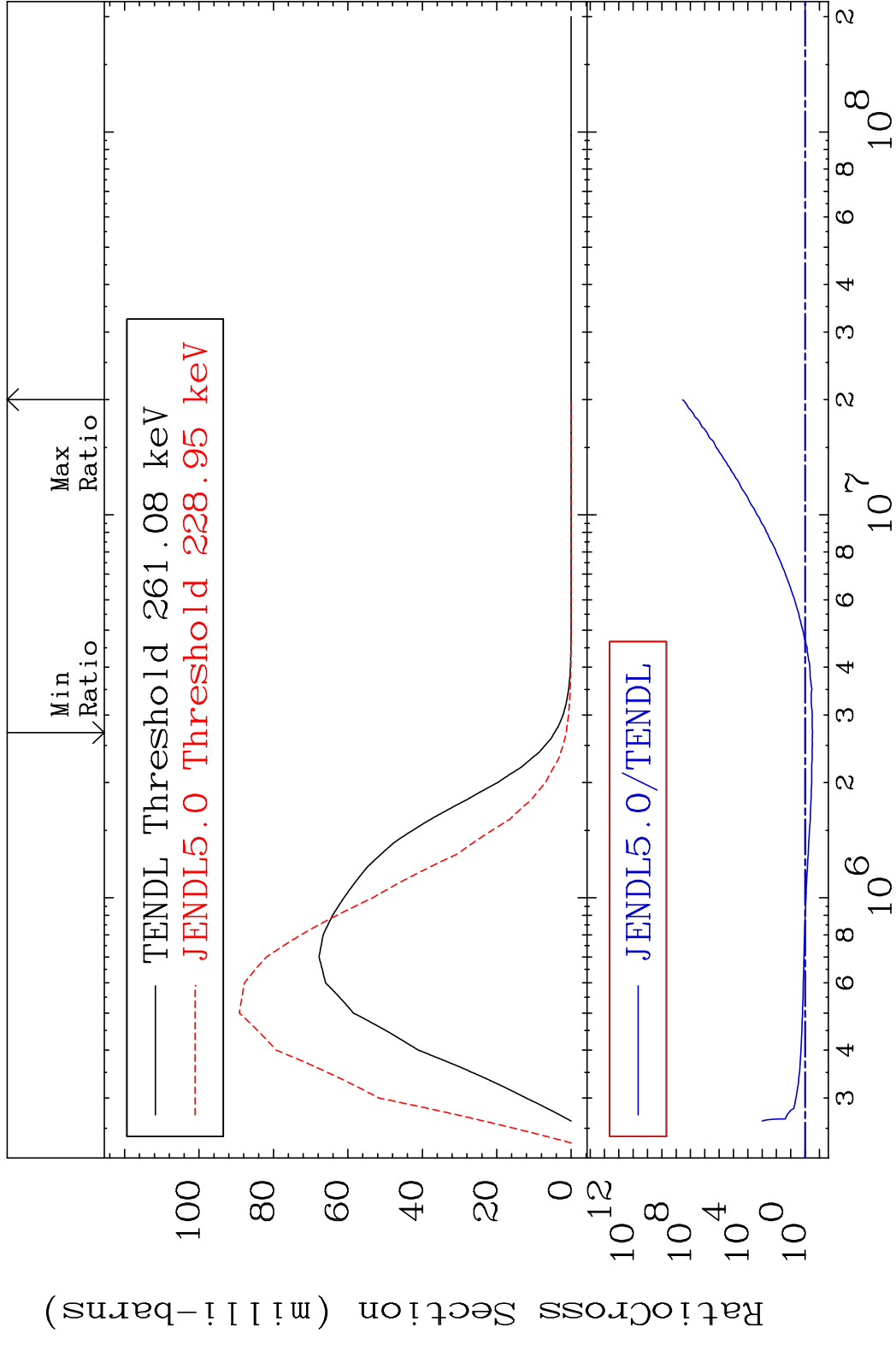
MAT 9634 MT= 58 (n,n') Level 96-Cm-243
 Cross Section -97.89 To 9999. %



MAT 9634 MT= 59 (n,n') Level 96-Cm-243
 Cross Section -72.62 To 9999. %



MAT 9634 MT= 60 (n,n') Level 96-Cm-243
 Cross Section -69.80 To 9999. %

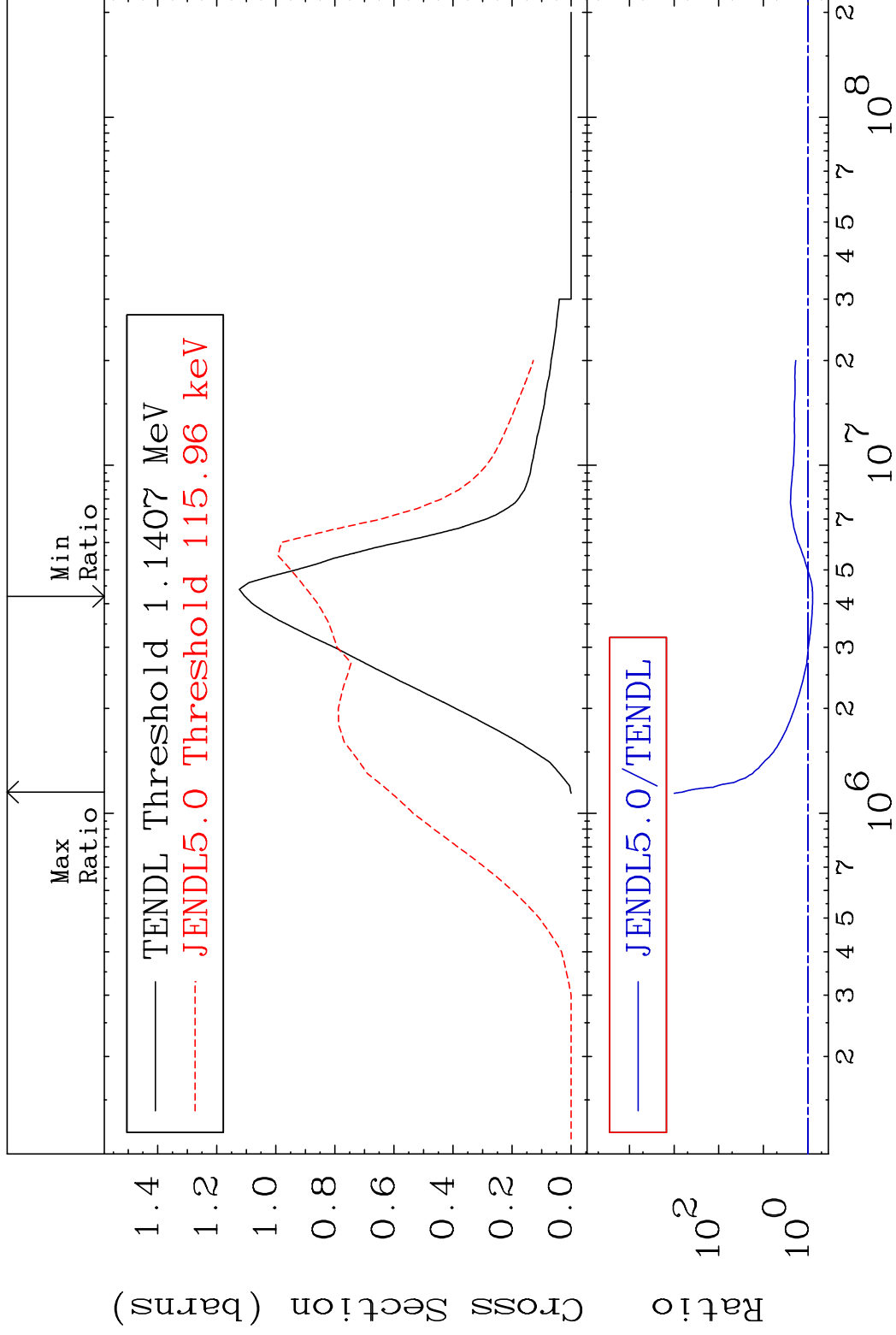


MAT 9634

(n, n') Continuum

96-Cm-243

Cross Section -20.69 To 9999. %



17

Incident Energy (eV)

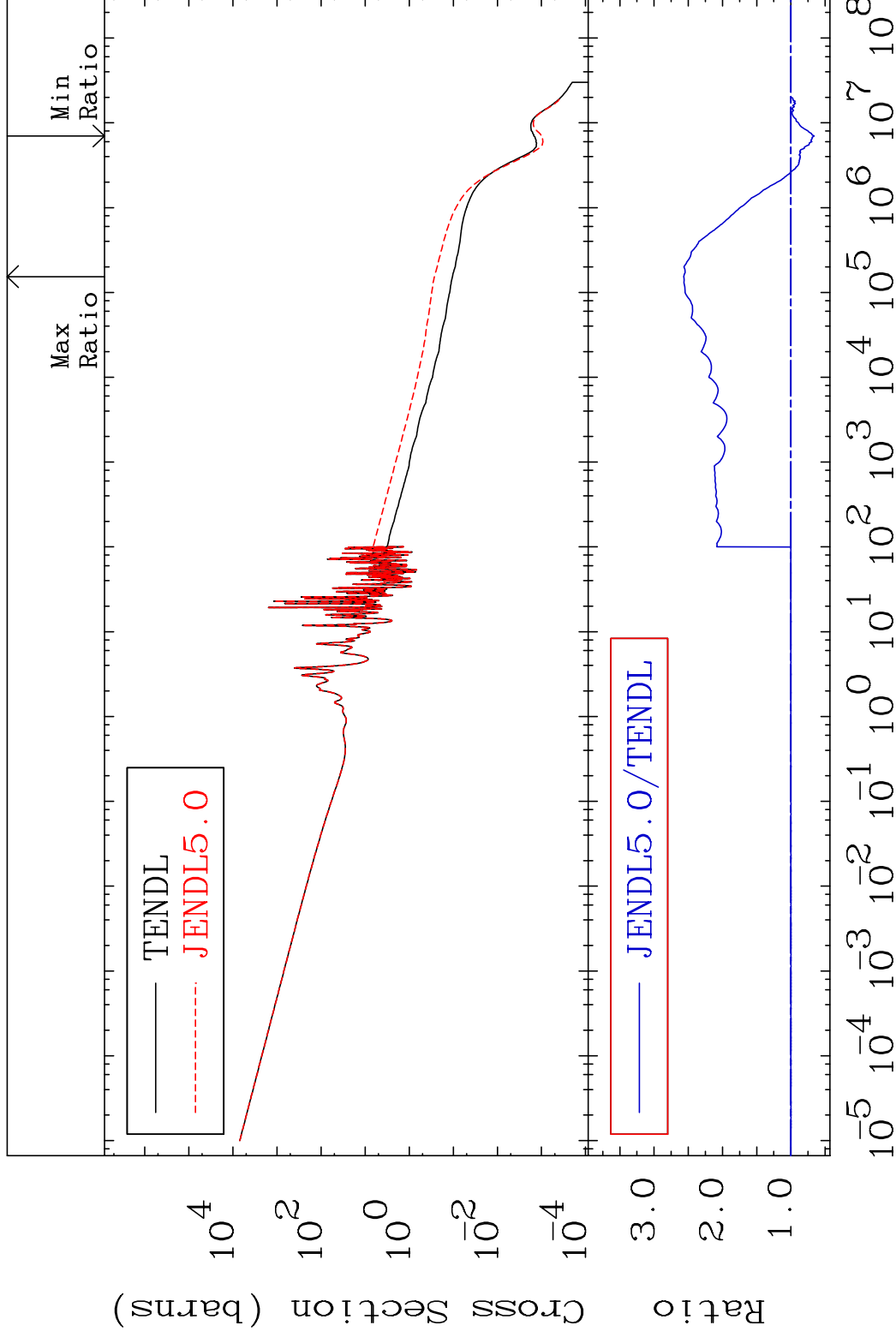
96-Cm-243

MAT 9634

(n, γ)

96-Cm-243

Cross Section -33.86 To 156.7 %

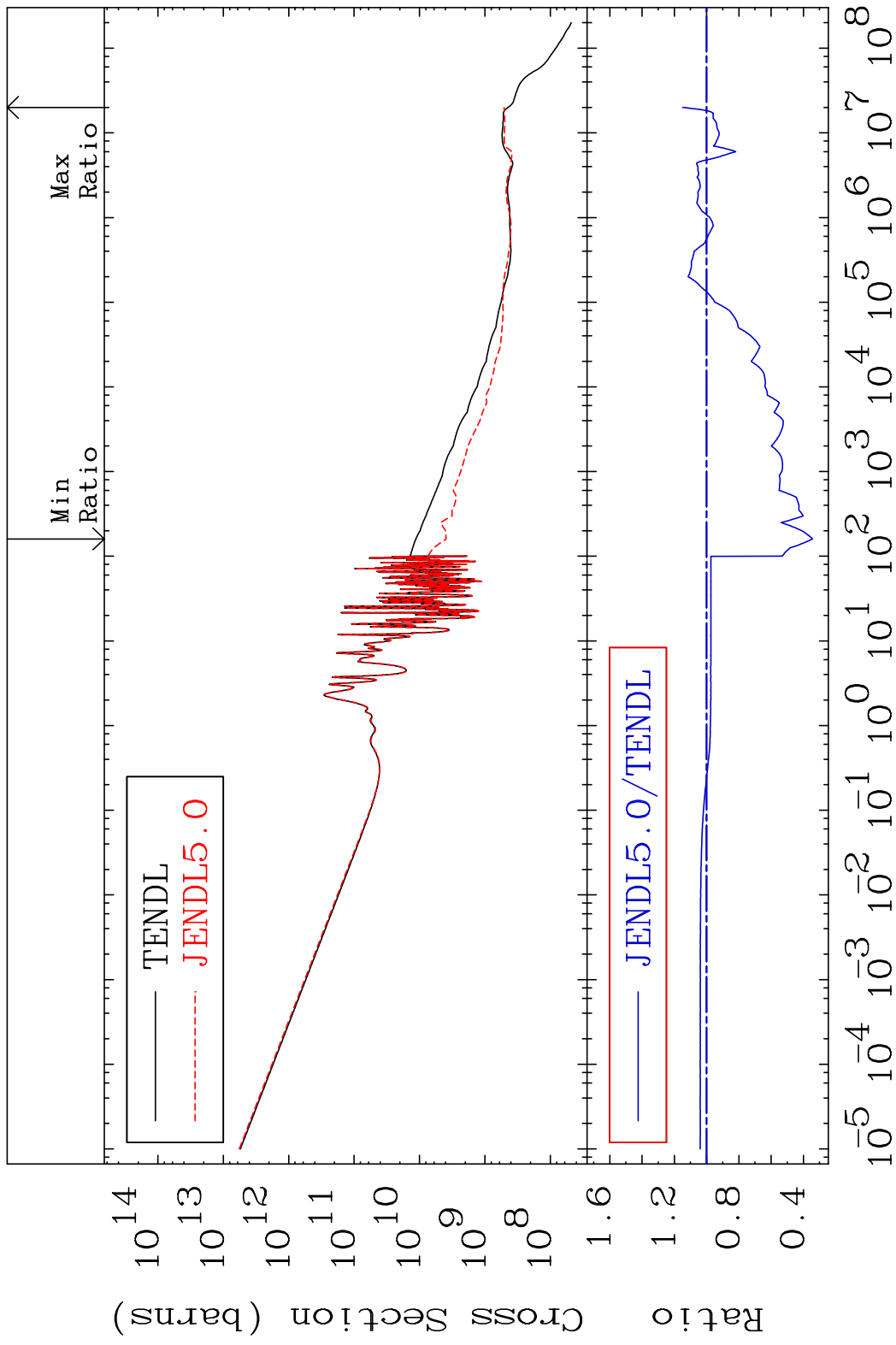


18

Incident Energy (eV)

96-Cm-243

MAT 9634 Kerma total (eV-barns) 96-Cm-243
 Cross Section -65.68 To 15.03 %

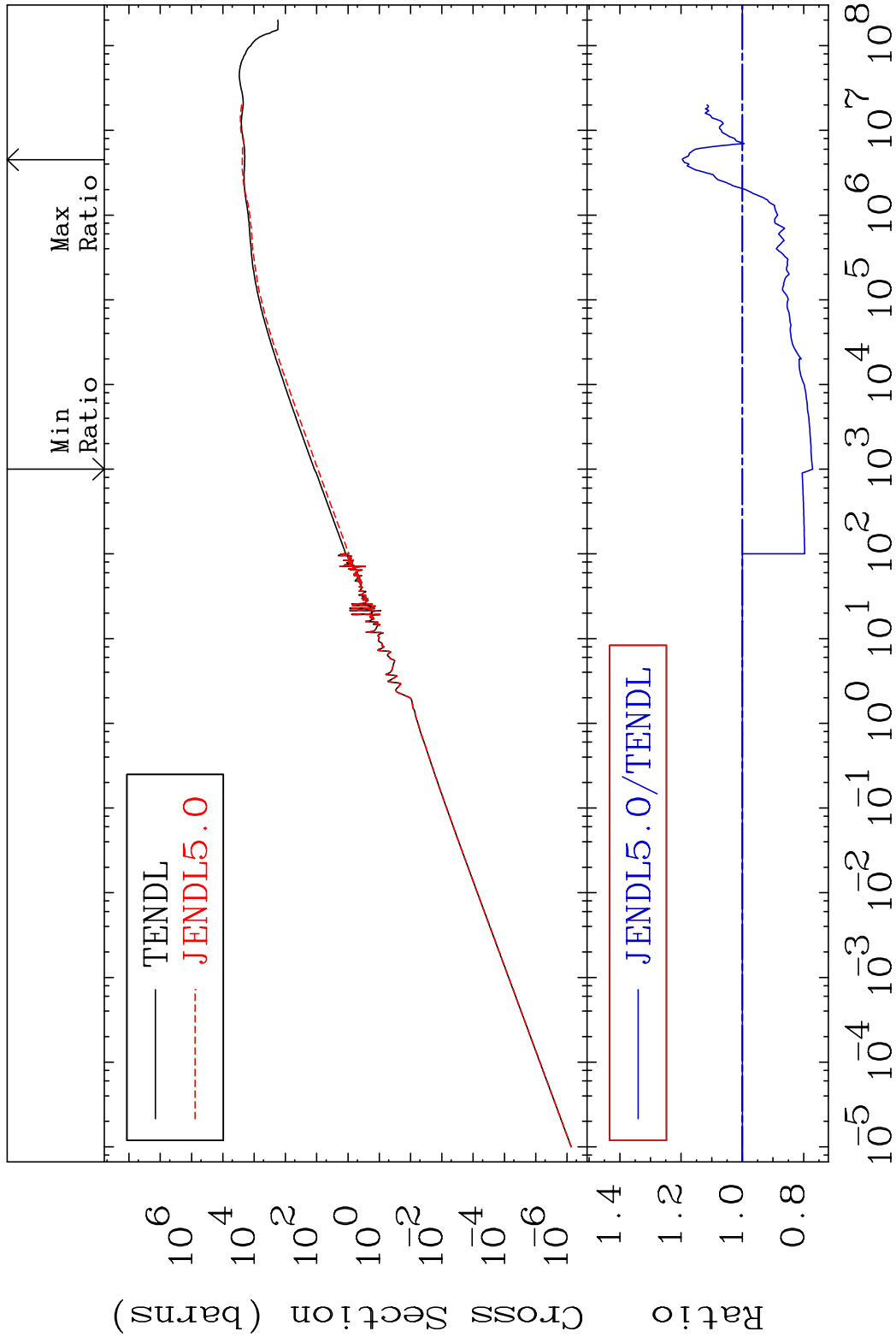


MAT 9634

Kerma elastic

96-Cm-243

Cross Section -22.91 To 19.59 %

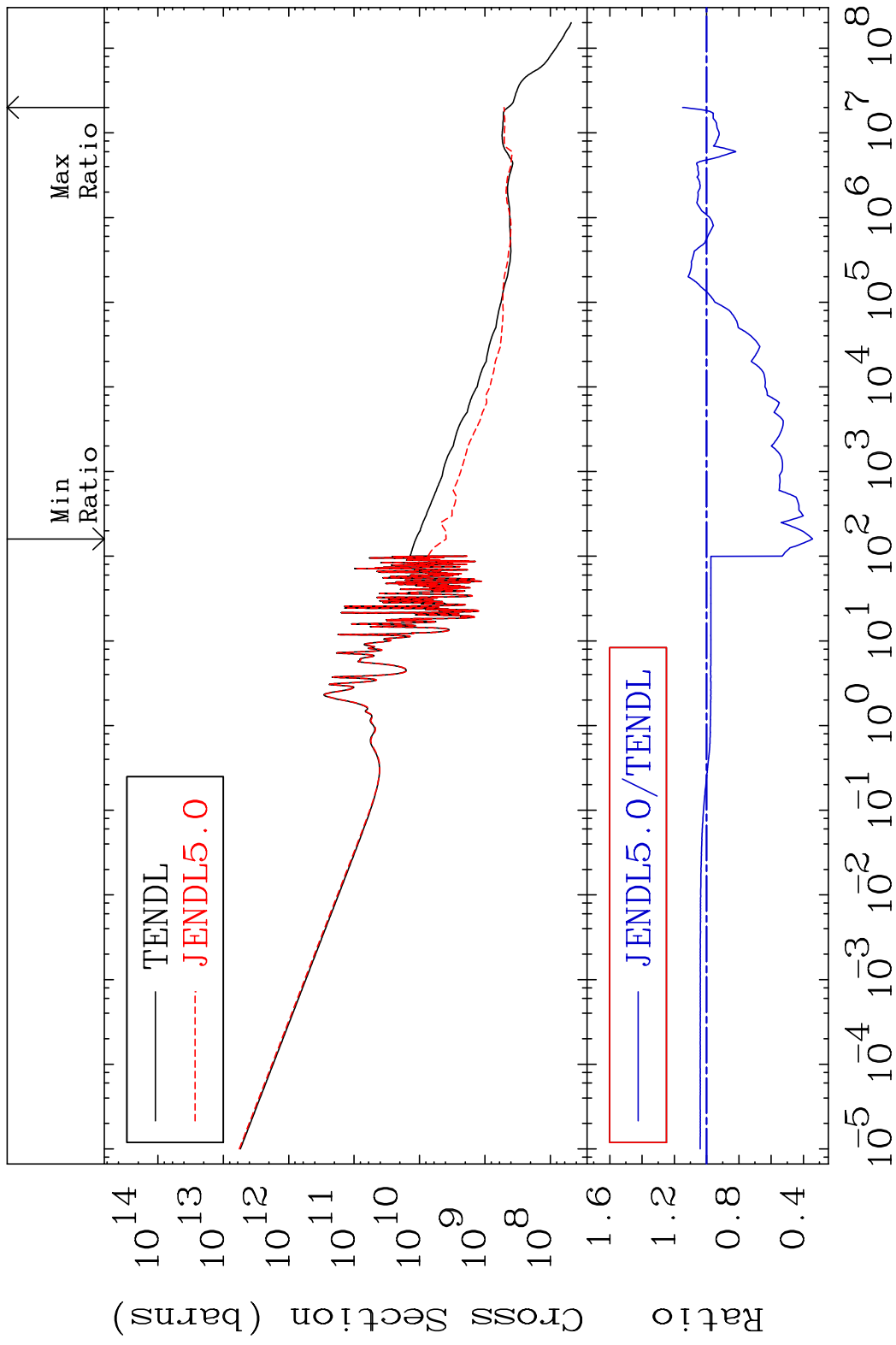


20

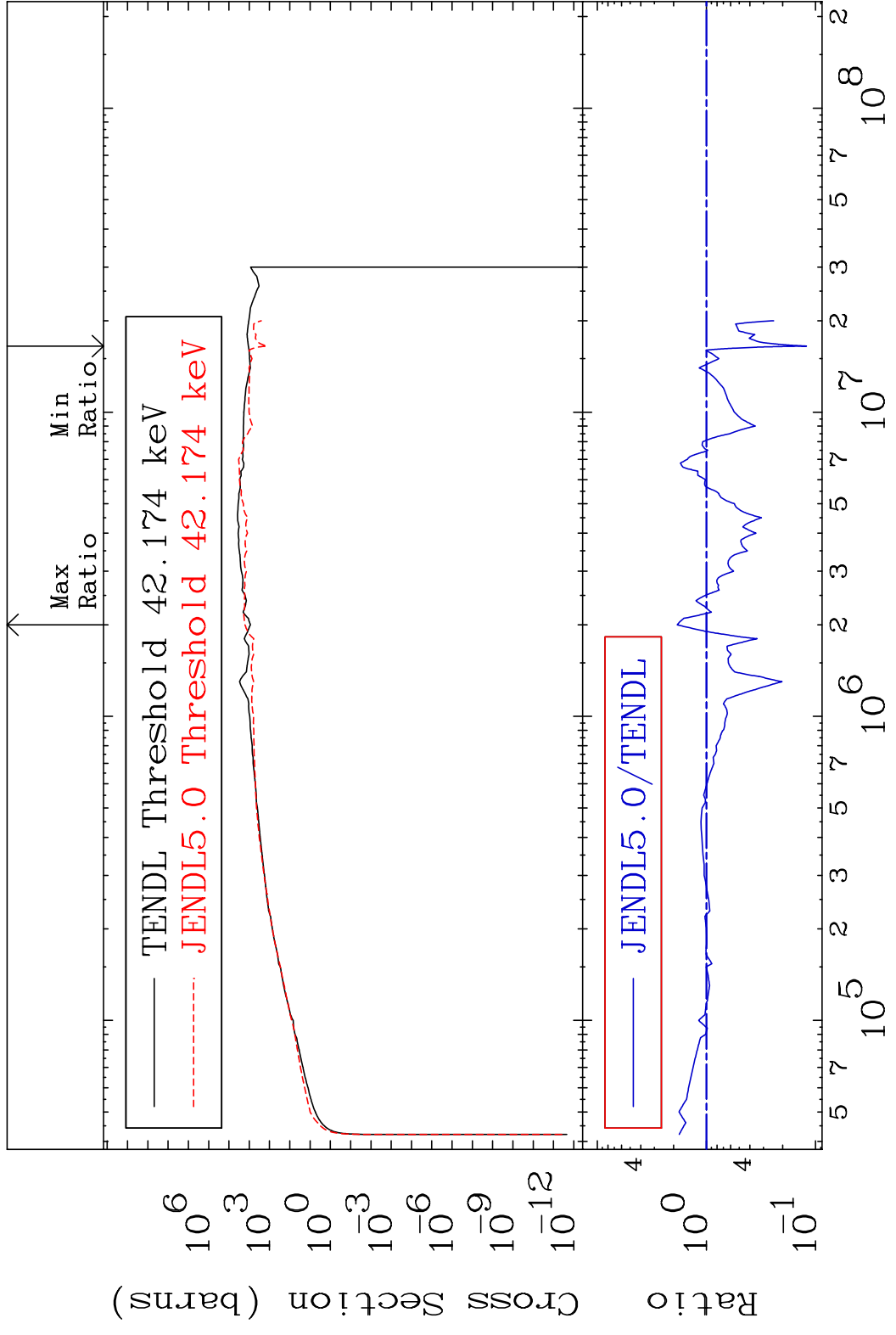
Incident Energy (eV)

96-Cm-243

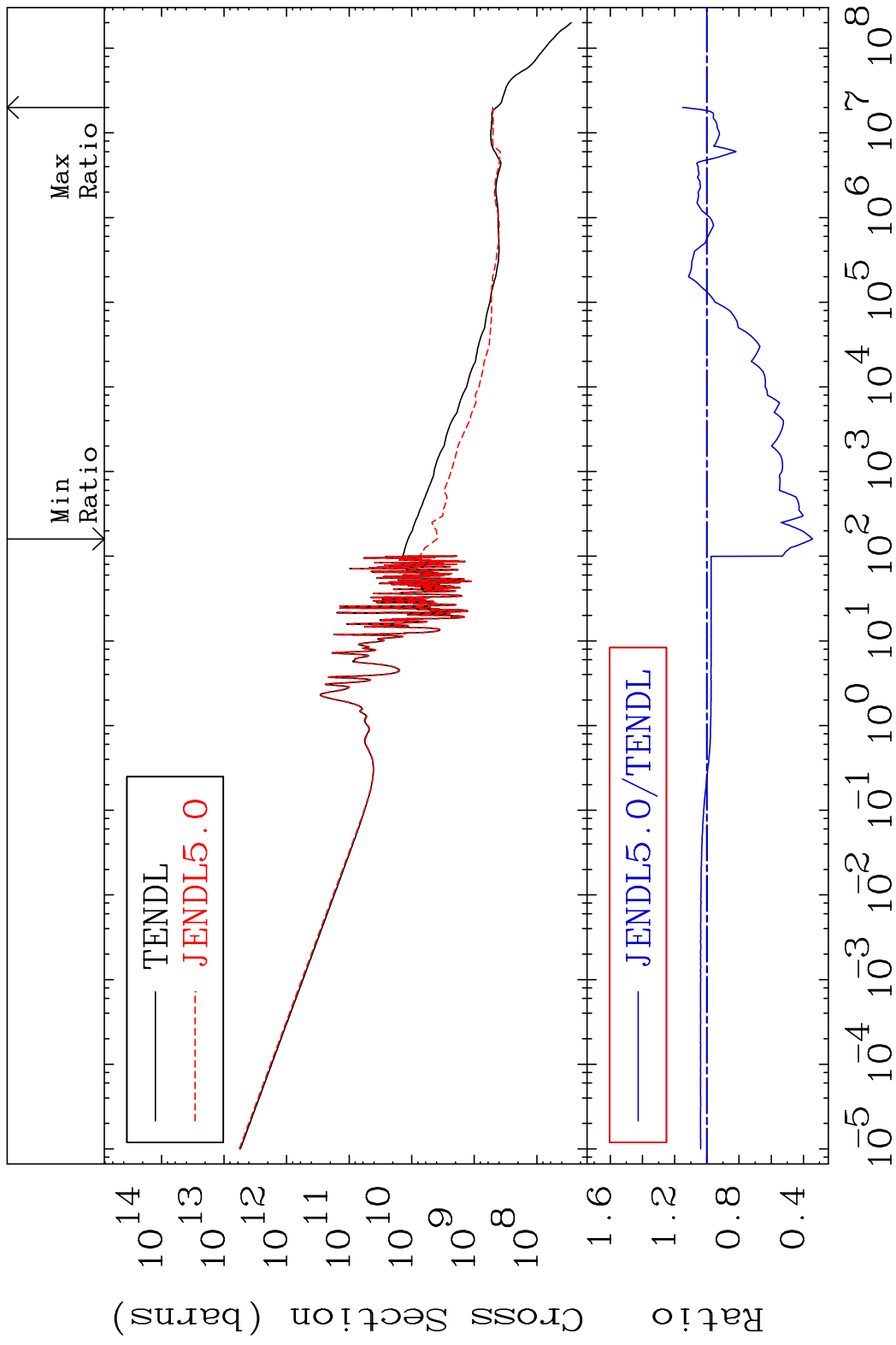
MAT 9634 Kerma non-elastic (all but mt2) 96-Cm-243
 Cross Section -65.68 To 15.03 %



MAT 9634 Kerma inelastic (mt51-91) 96-Cm-243
 Cross Section -87.85 To 85.61 %

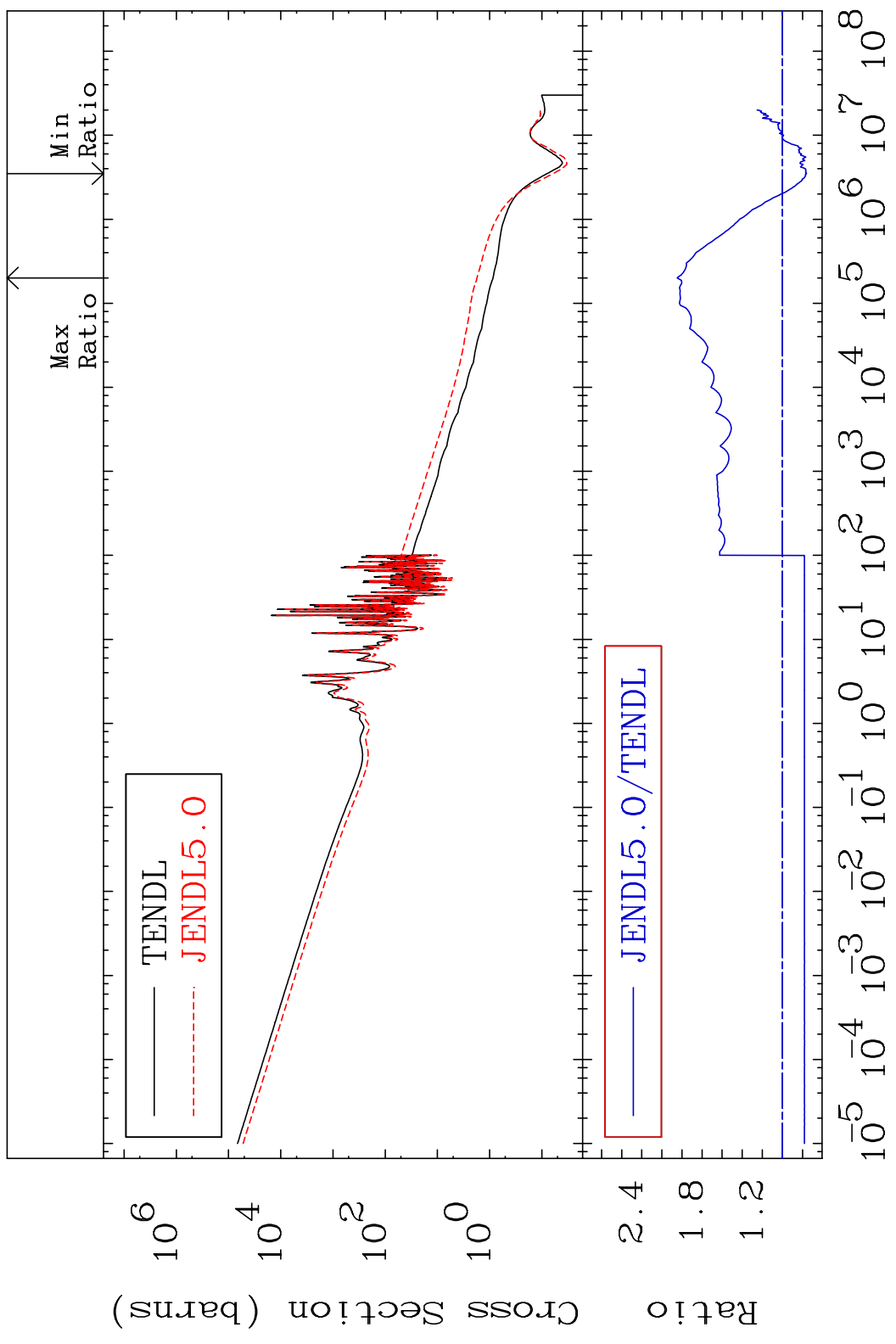


MAT 9634 Kerma fission (mt18 or mt19-20-21-38) 96-Cm-243
 Cross Section -65.68 To 15.22 %



MAT 9634

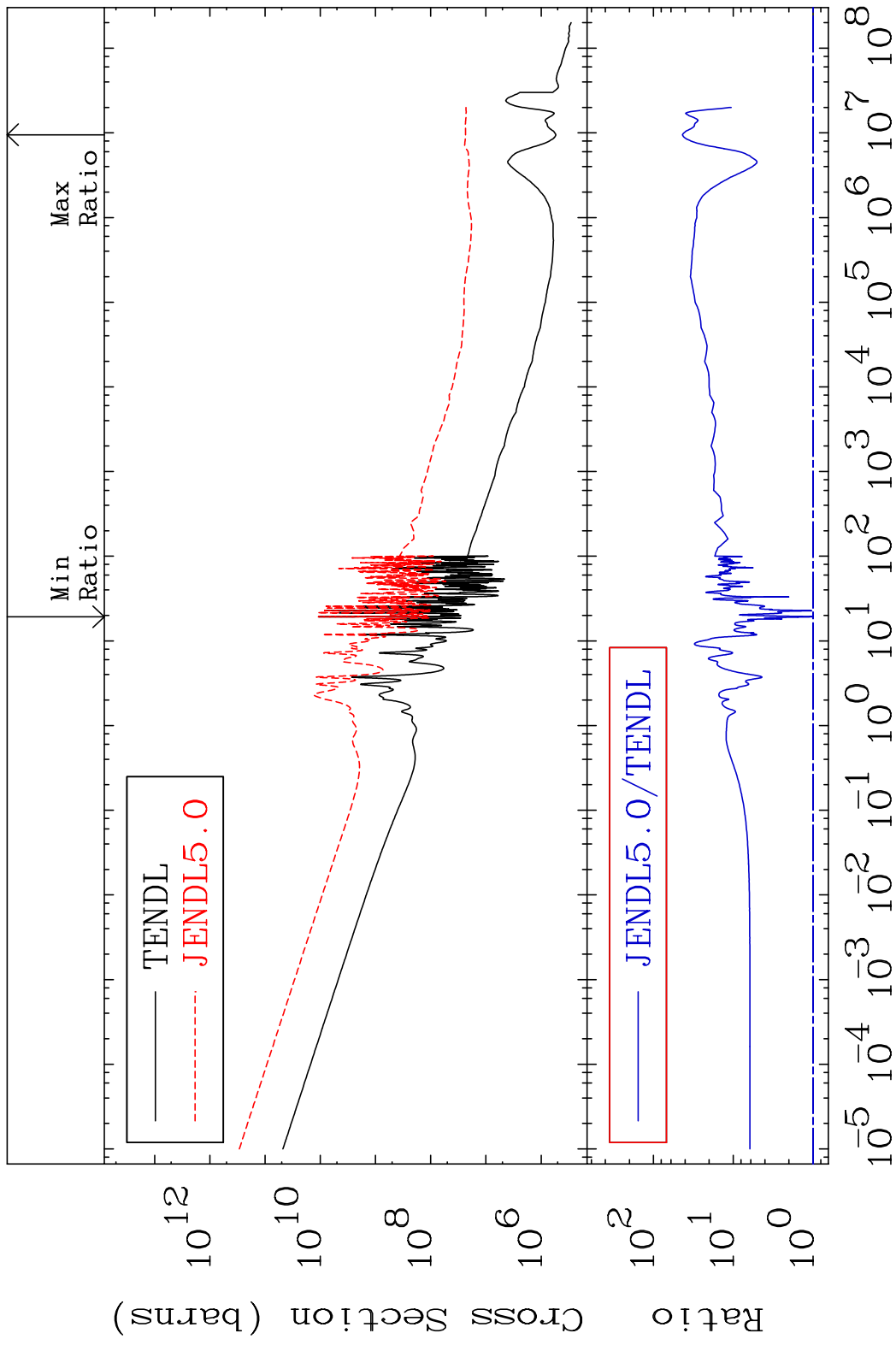
Kerma capture (mt102) 96-Cm-243
Cross Section -23.88 To 104.8 %



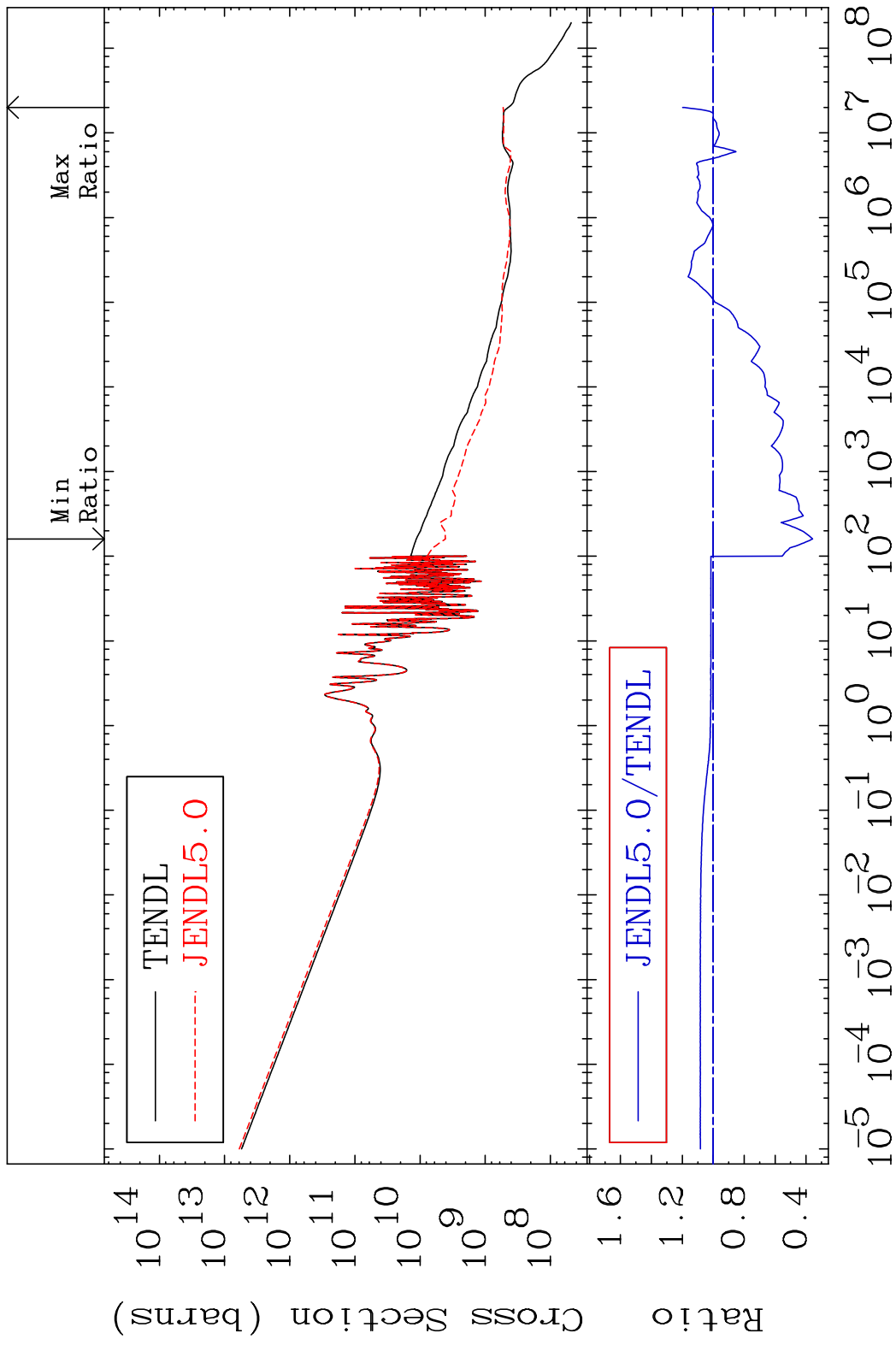
24

Incident Energy (eV) 96-Cm-243

MAT 9634 Total photon (eV-barns) 96-Cm-243
 Cross Section 1.304 To 4236. %



MAT 9634 Total kinematic kerma (high limit) 96-Cm-243
 Cross Section -64.20 To 19.99 %

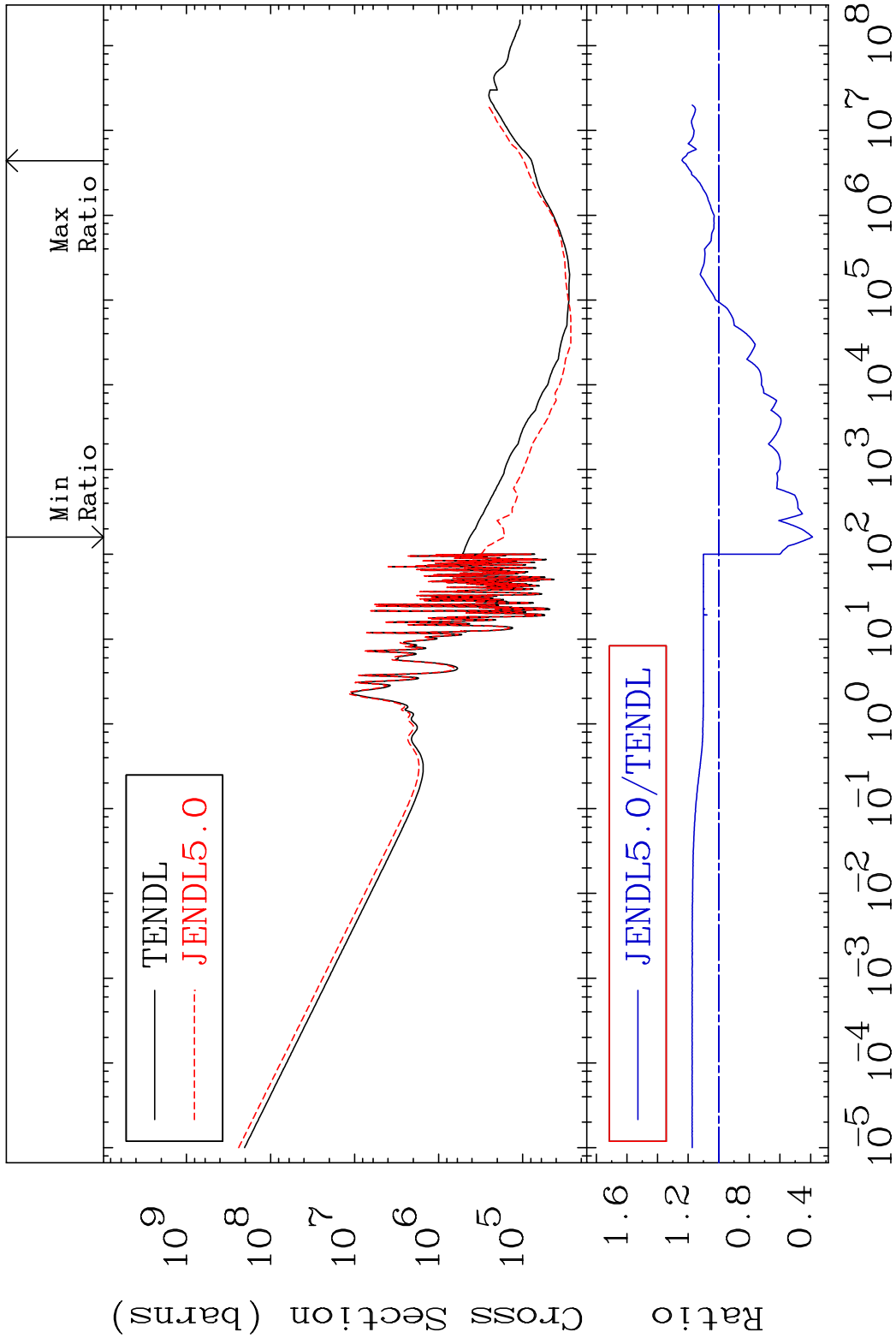


MAT 9634

Dpa total (eV-barns)

96-Cm-243

Cross Section -61.23 To 23.91 %



27

Incident Energy (eV)

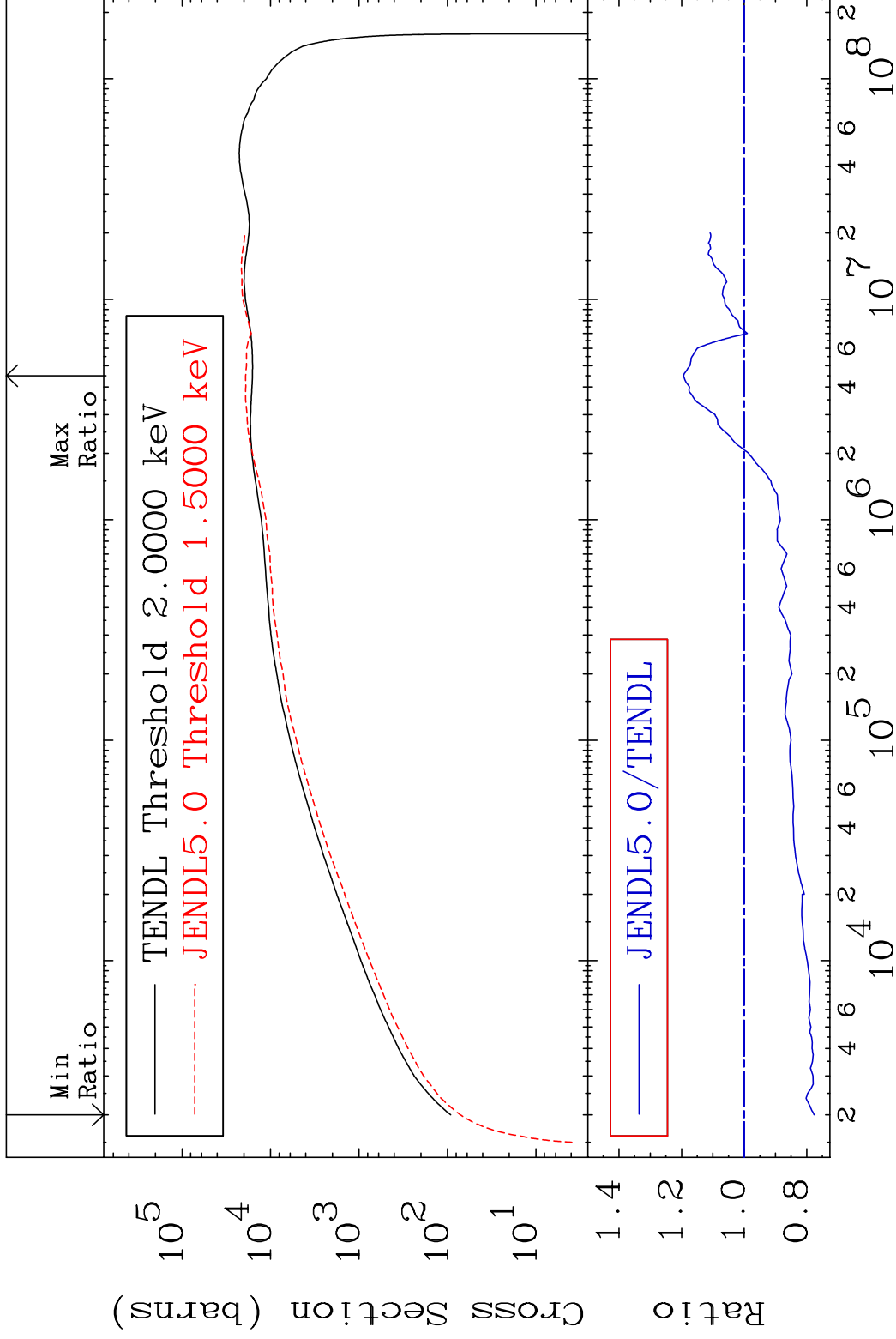
96-Cm-243

MAT 9634

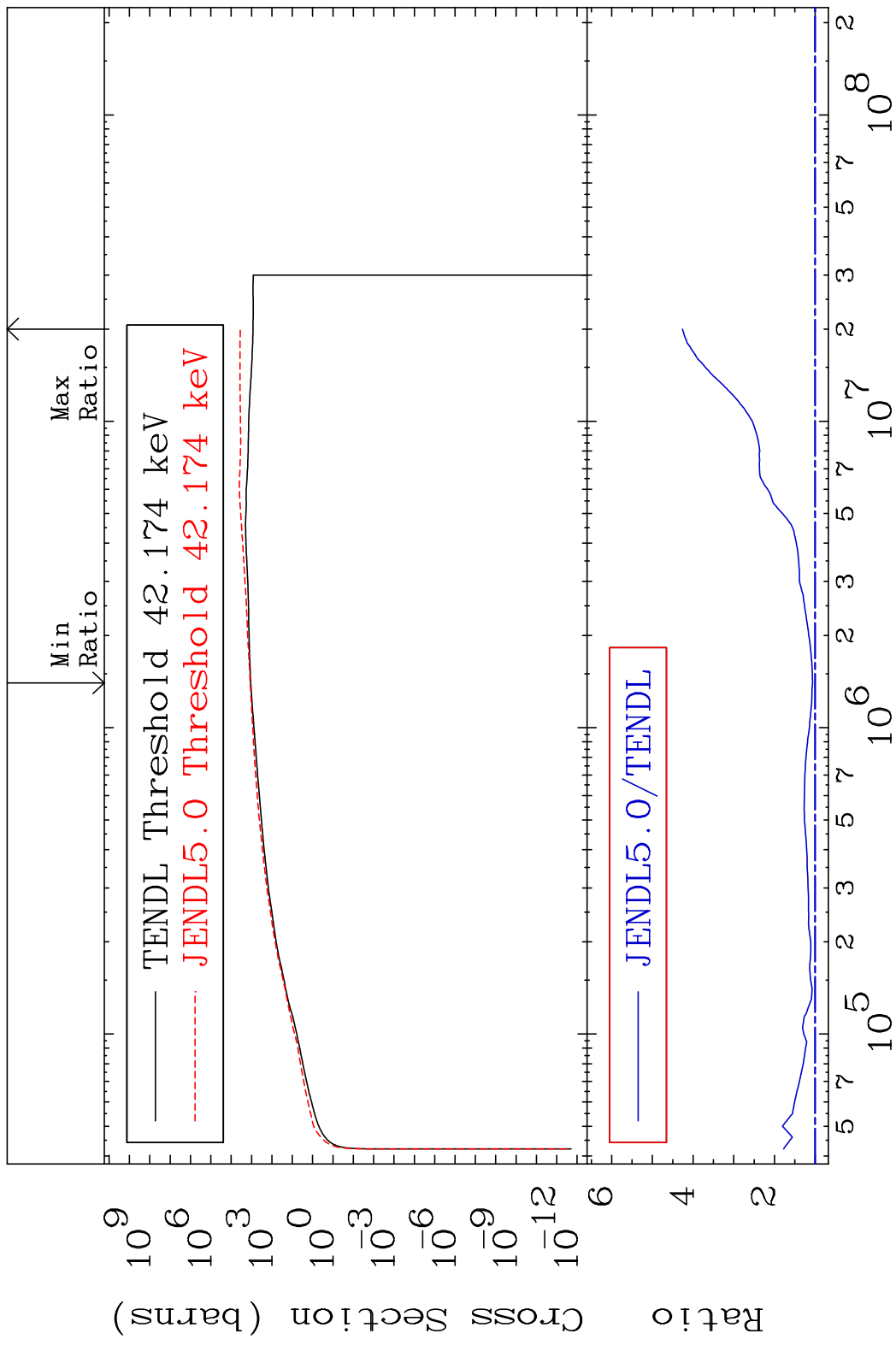
Dpa elastic (mt2)

96-Cm-243

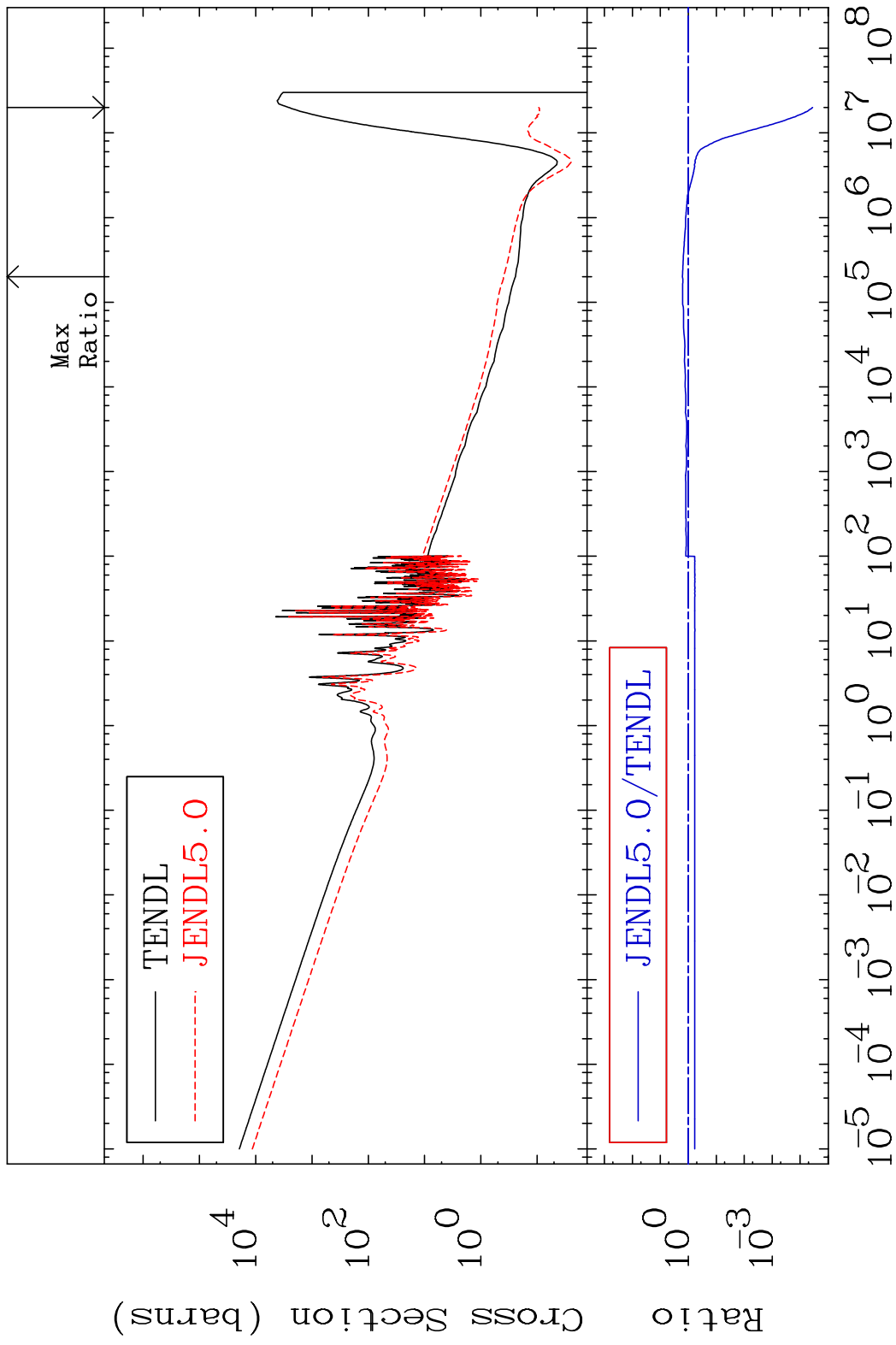
Cross Section -22.33 To 19.39 %



MAT 9634 Dpa inelastic (mt51-91) 96-Cm-243
 Cross Section 6.550 To 326.3 %



MAT 9634 Dpa disappearance (mt102 -120) 96-Cm-243
Cross Section -100.0 To 63.15 %

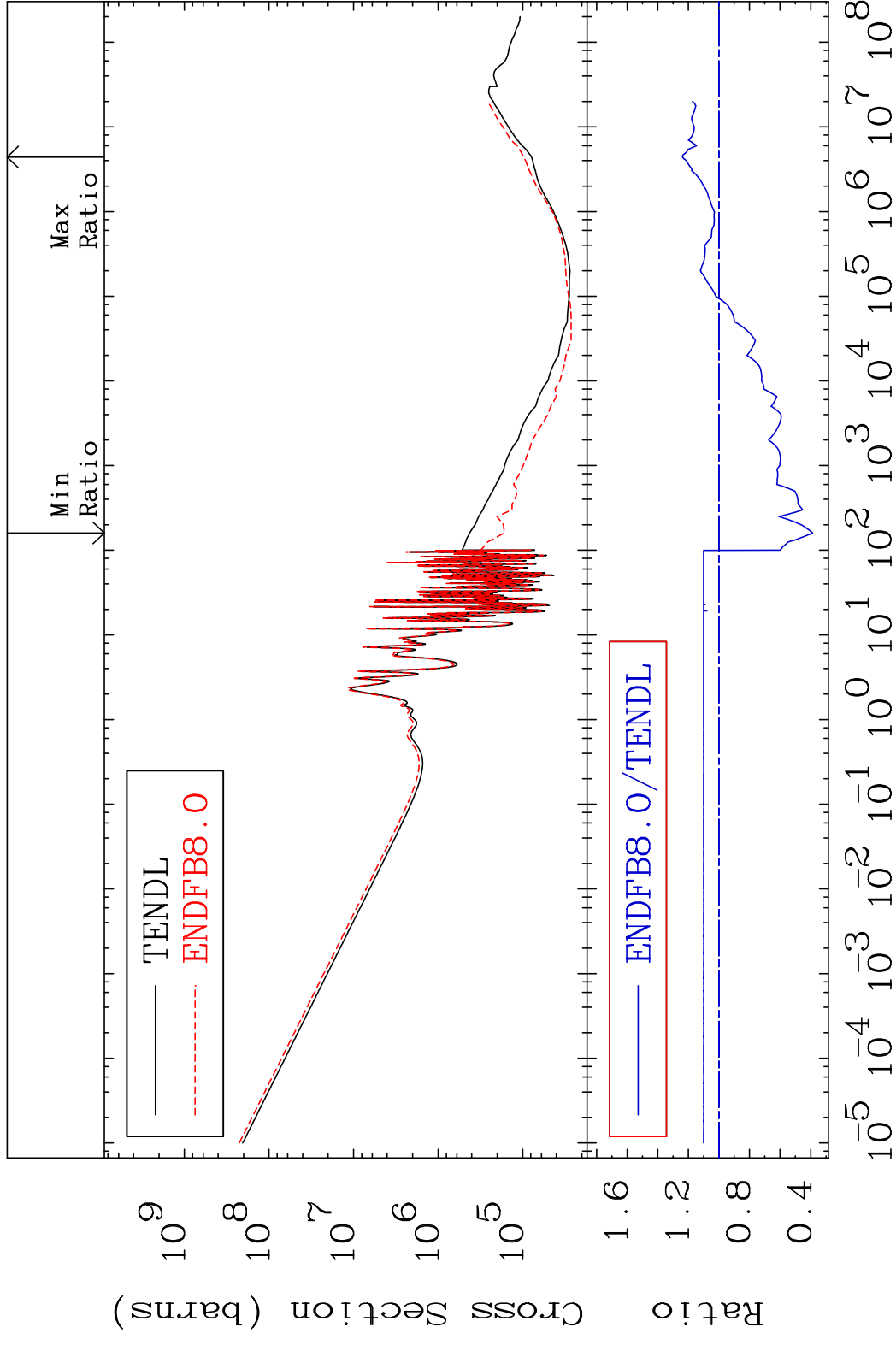


MAT 9634

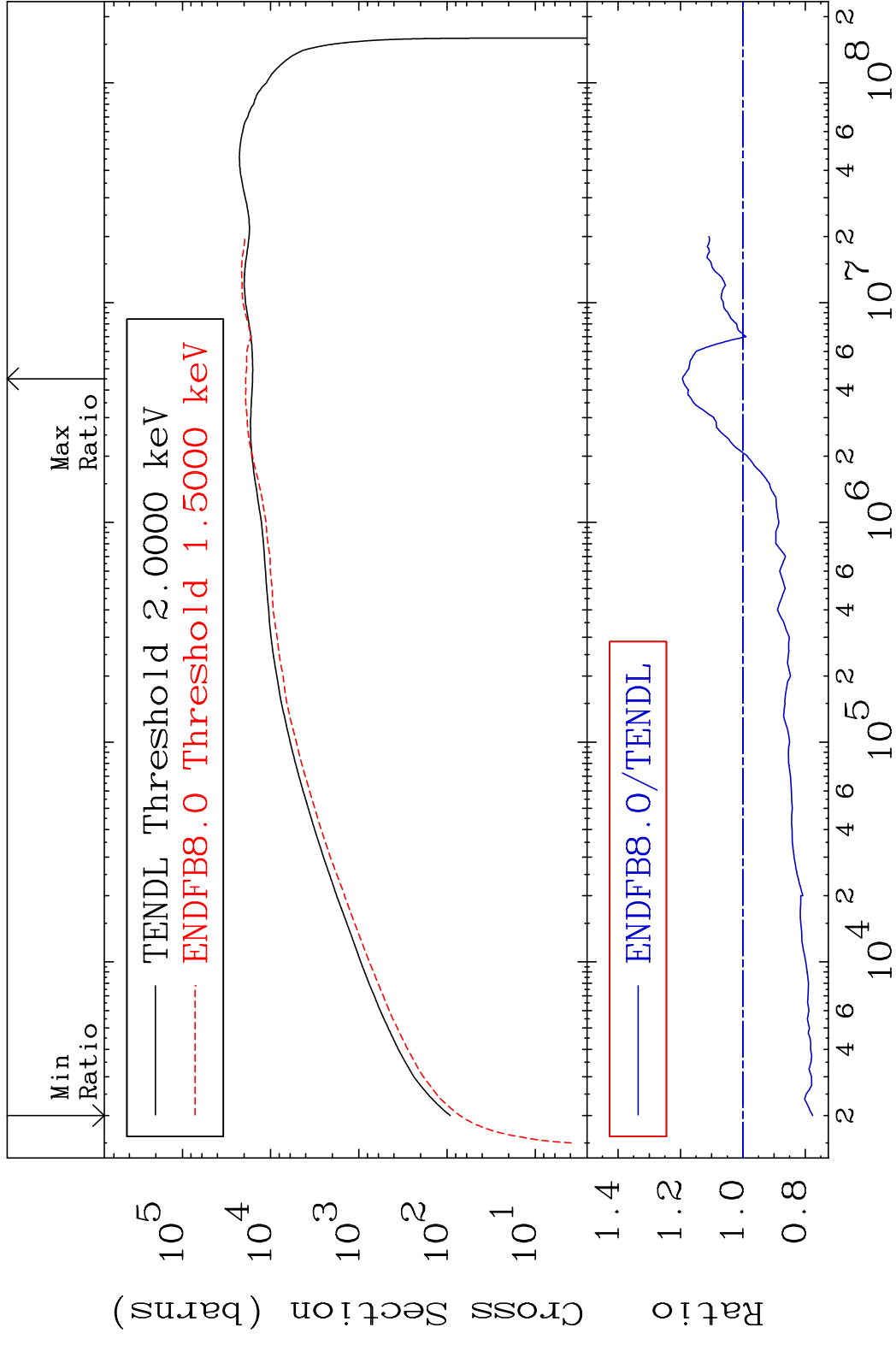
Dpa total (eV-barns)

96-Cm-243

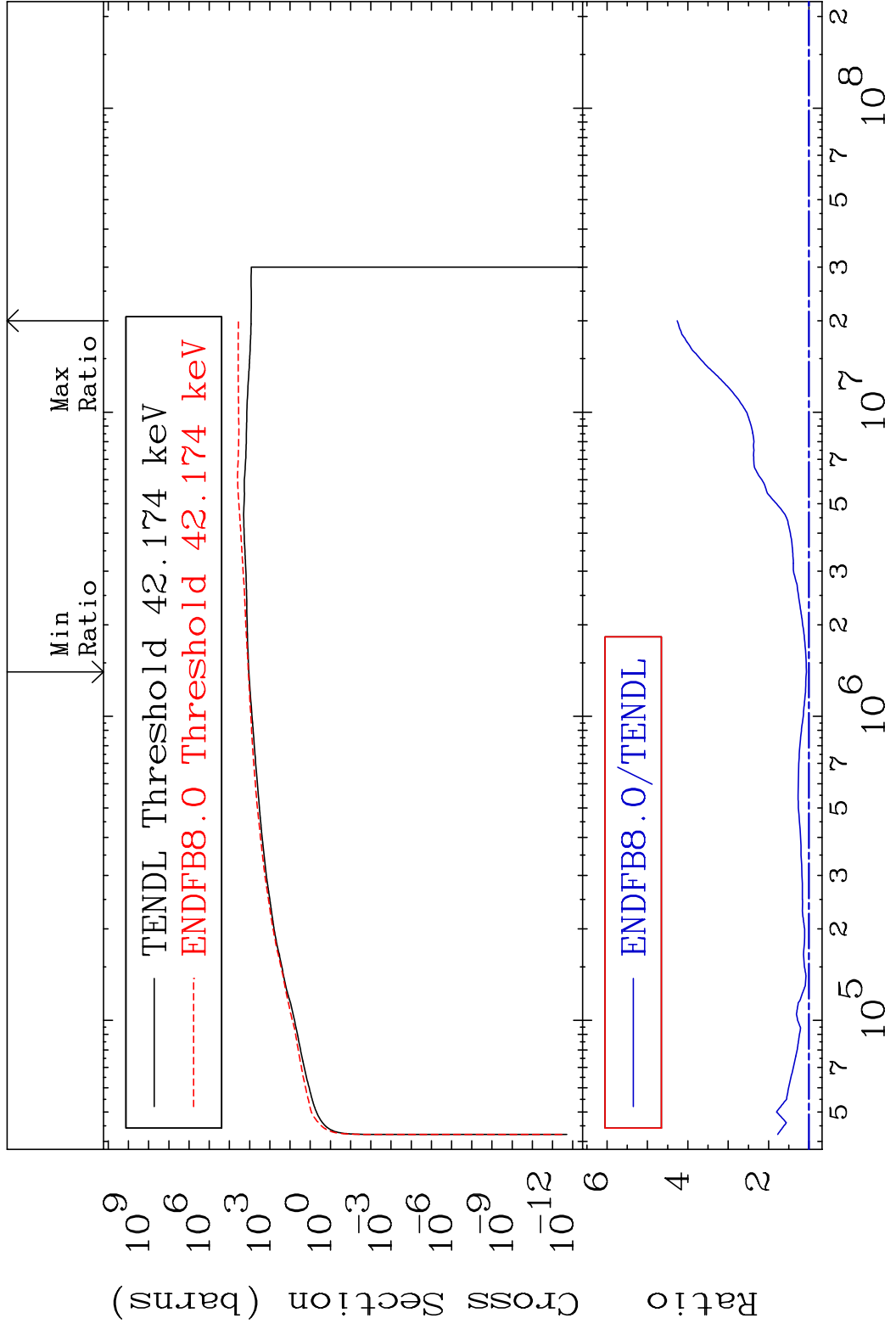
Cross Section -61.23 To 23.91 %



MAT 9634 Dpa elastic (mt2) 96-Cm-243
 Cross Section -22.33 To 19.39 %



MAT 9634 Dpa inelastic (mt51-91) 96-Cm-243
 Cross Section 6.550 To 326.3 %



MAT 9634 Dpa disappearance (mt102 -120) 96-Cm-243
 Cross Section -100.0 To 63.15 %

