

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

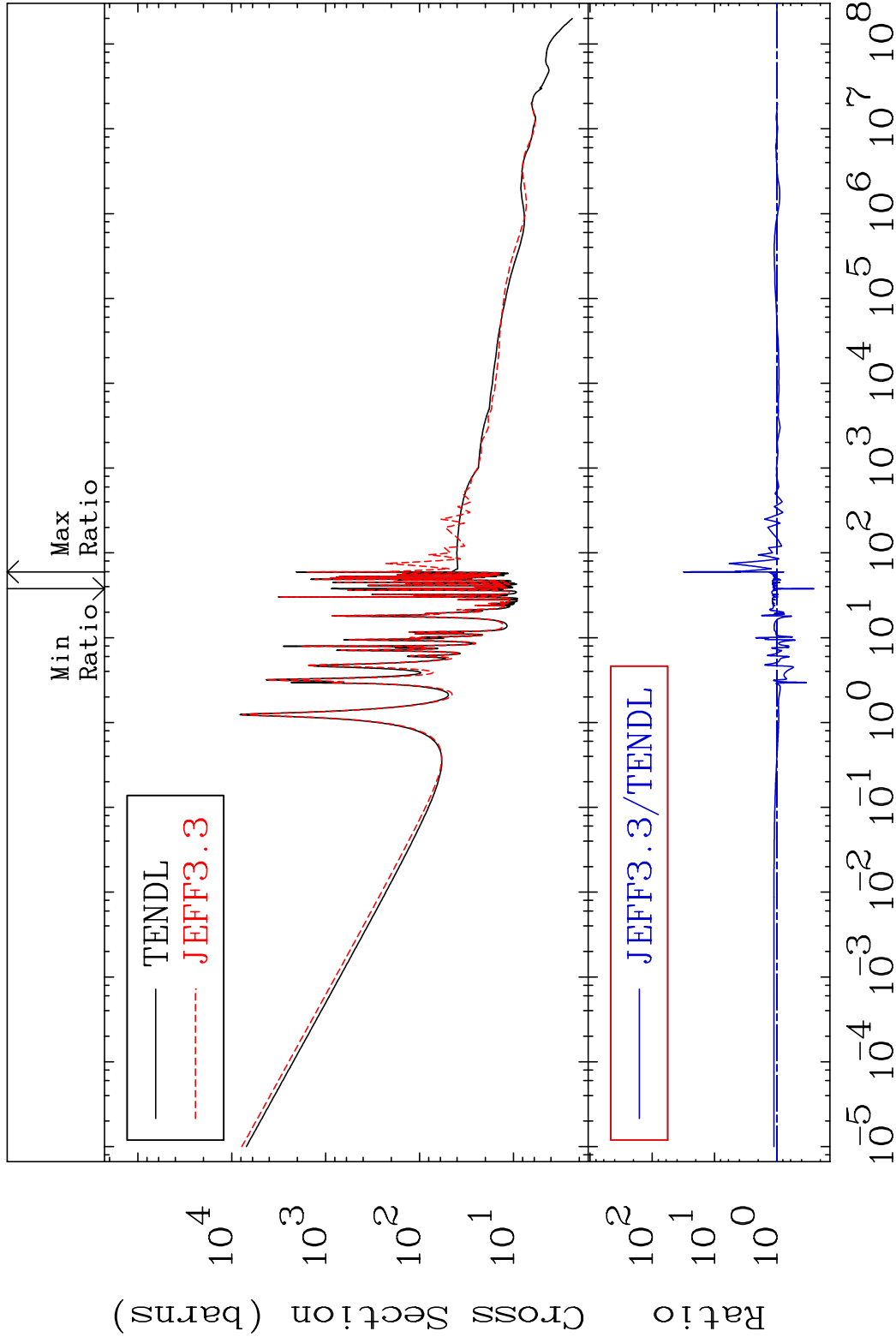
MAT 9646

Total

96-Cm-247

Cross Section

-74.77 To 3032. %



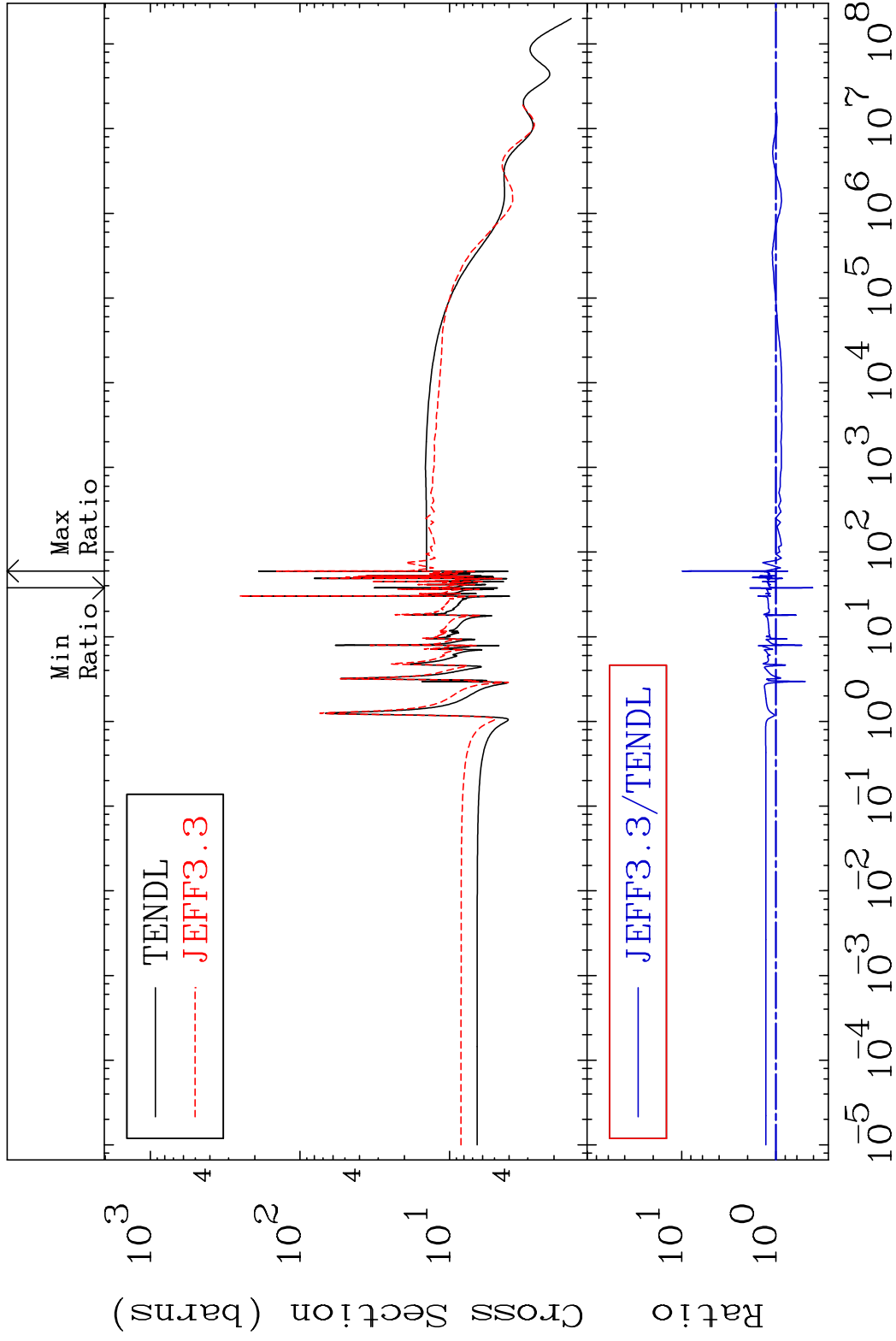
MAT 9646

Elastic

96-Cm-247

Cross Section

-59.02 To 882.1 %

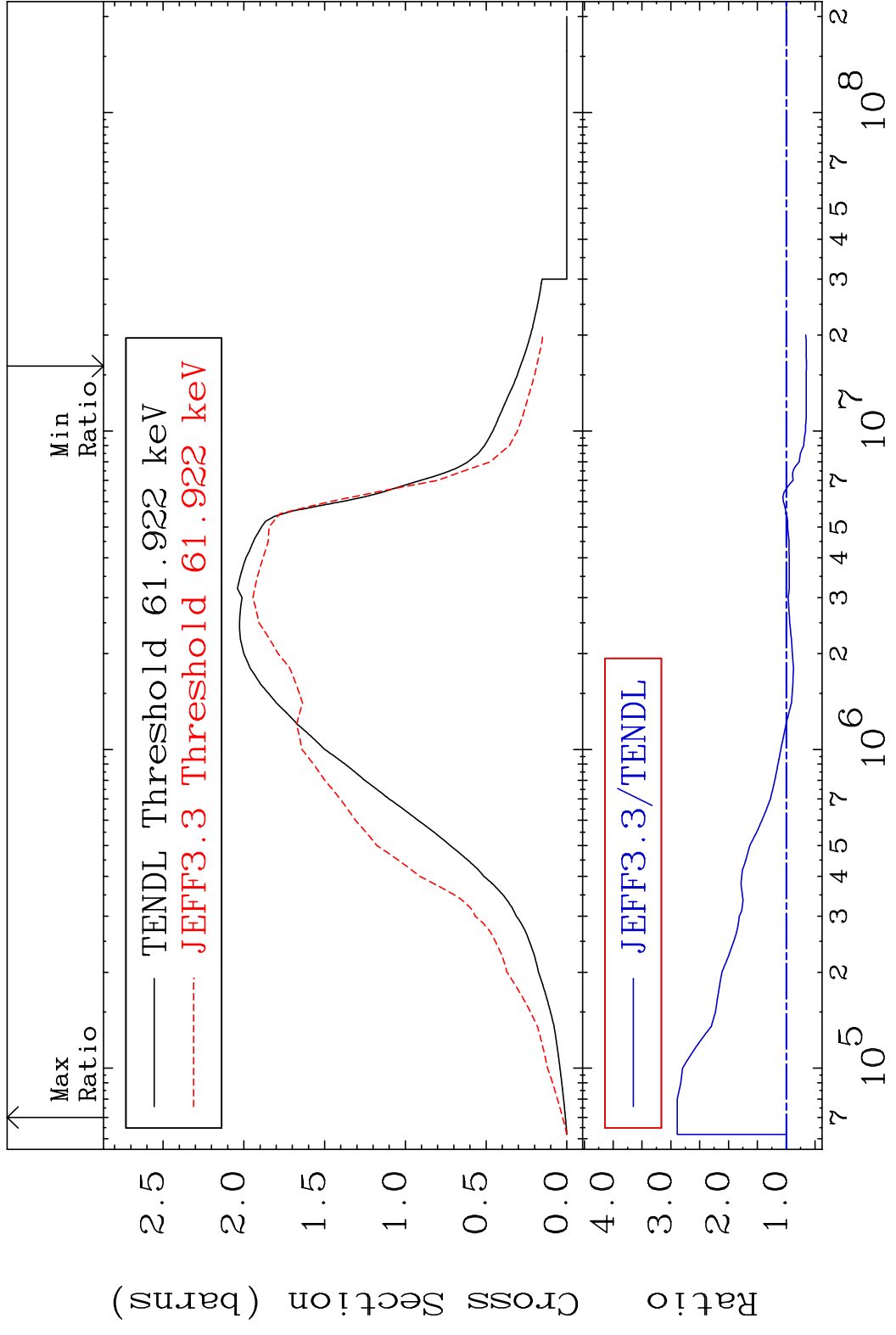


2

Incident Energy (eV)

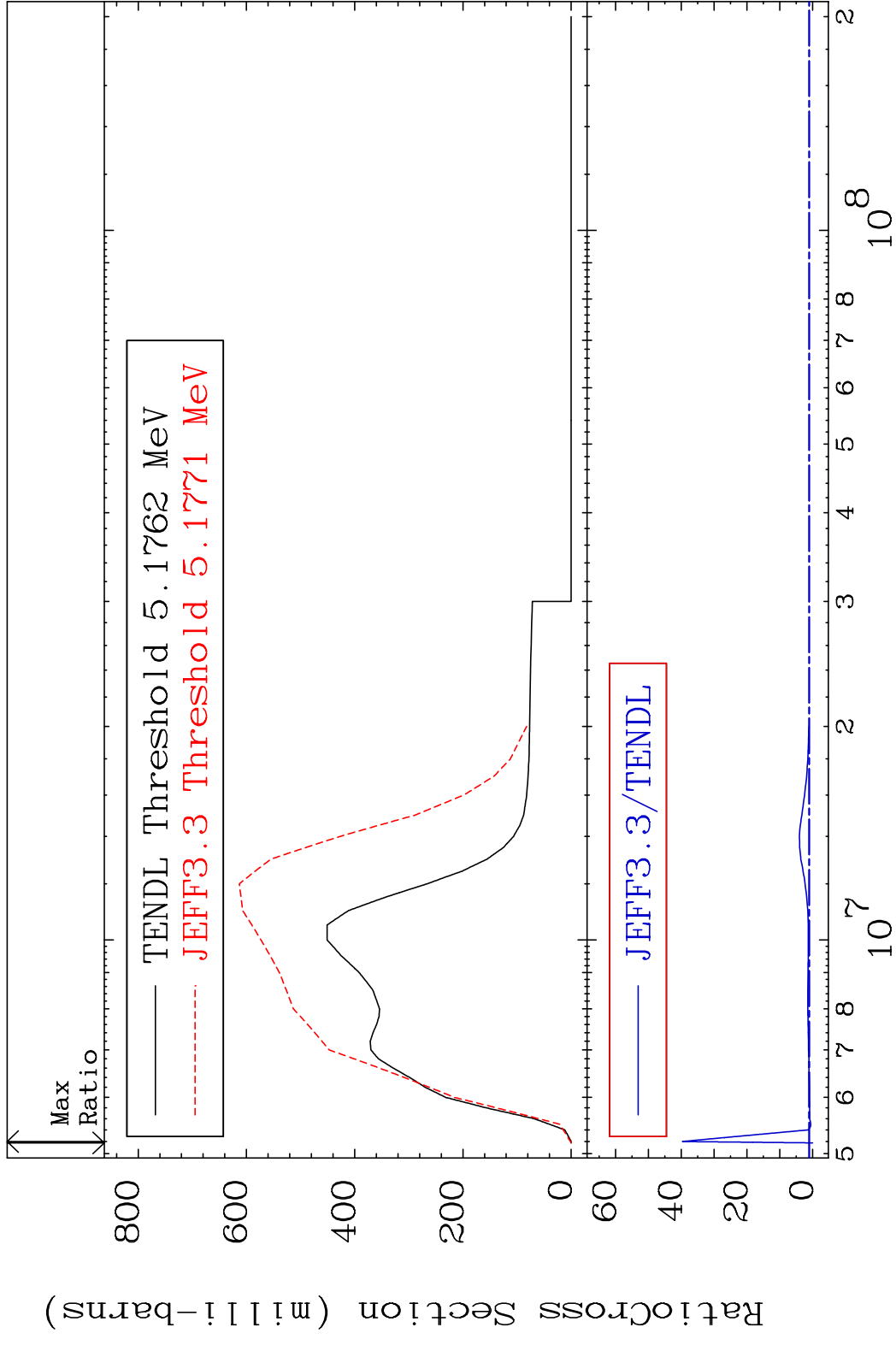
96-Cm-247

MAT 9646 Inelastic 96-Cm-247
 Cross Section -34.97 To 189.0 %



3 96-Cm-247

MAT 9646 (n,2n) 96-Cm-247
 Cross Section -100.0 To 3867. %



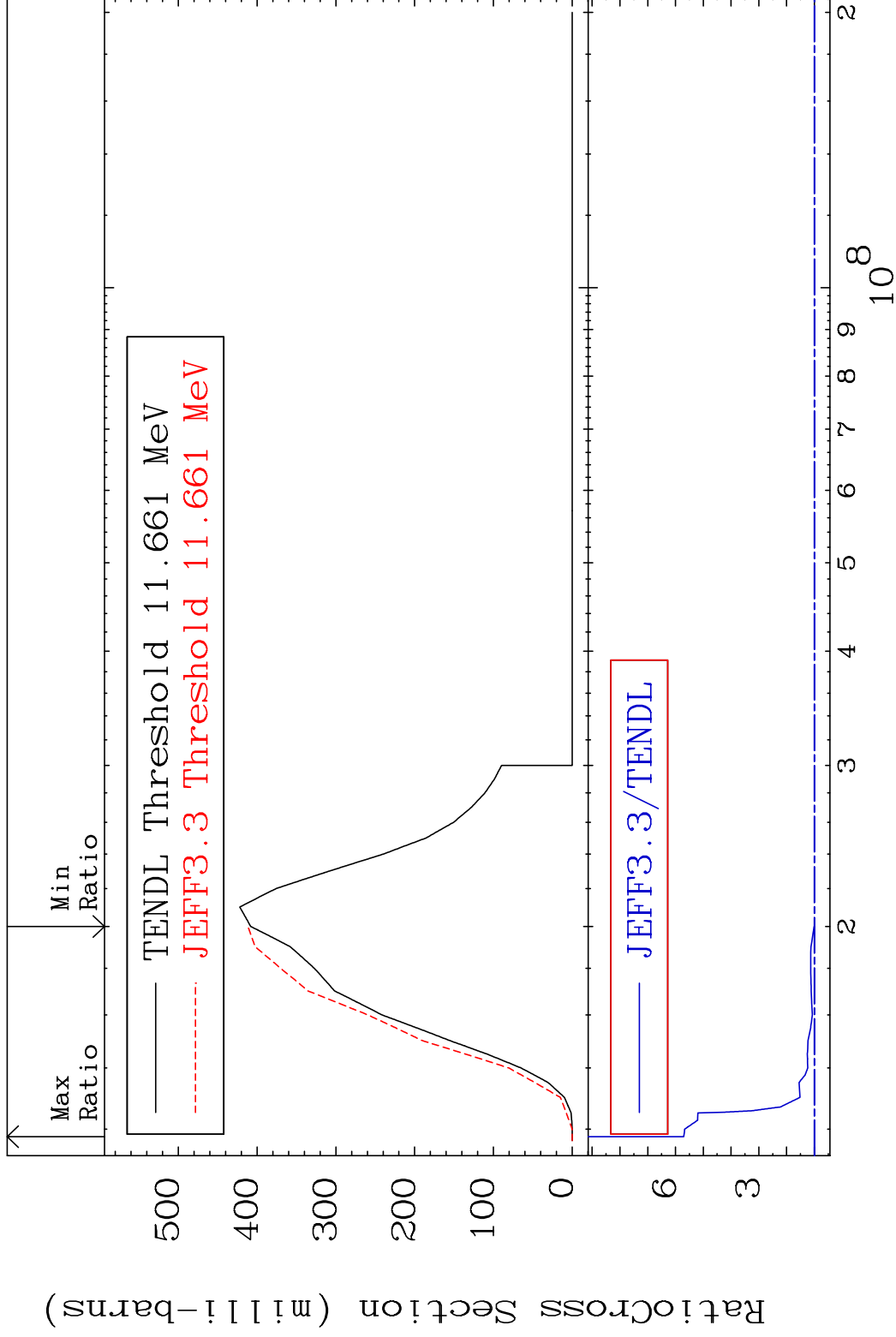
4 5 6 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 96-Cm-247

MAT 9646

(n,3n)

96-Cm-247

Cross Section 0.870 To 470.6 %



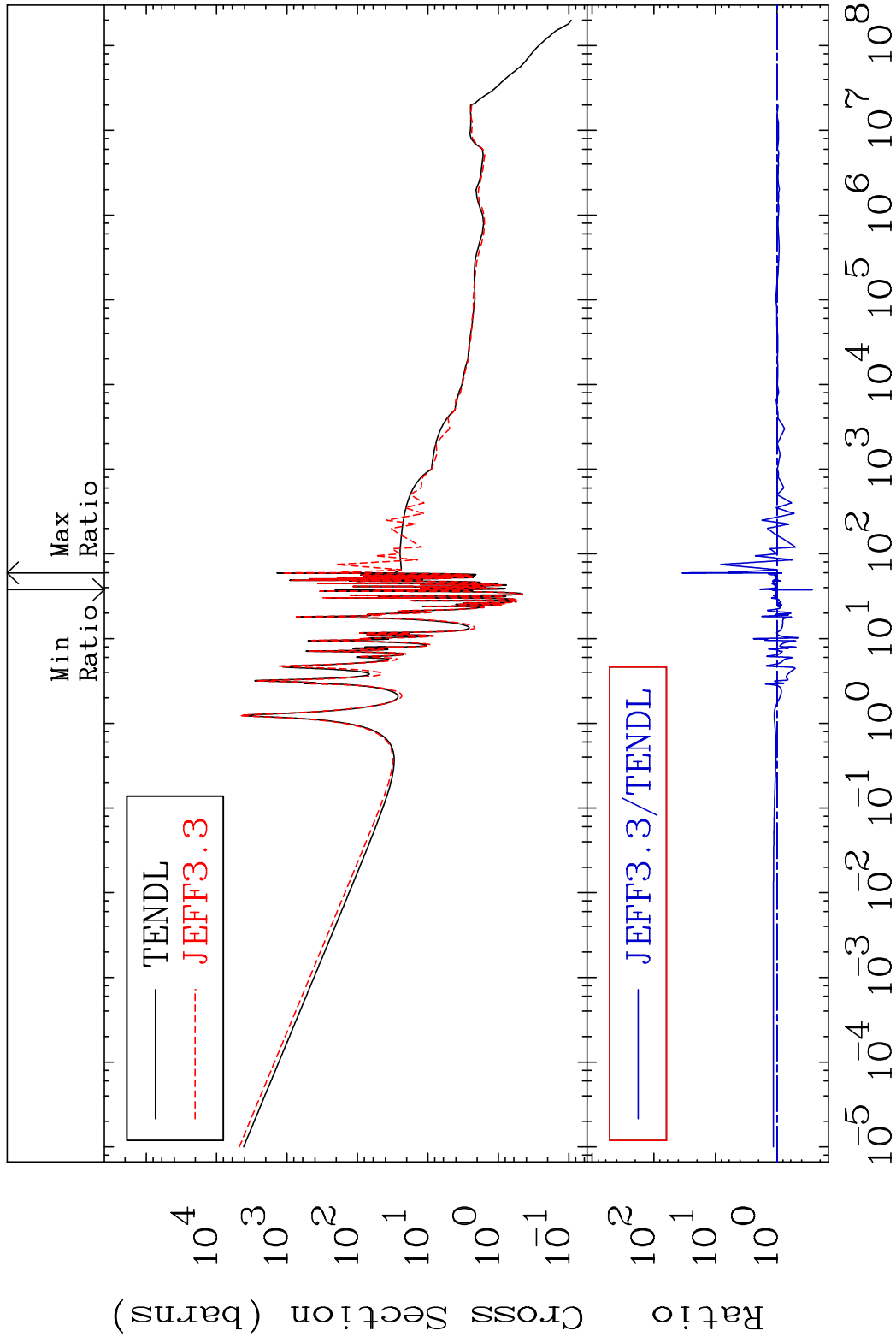
5

Incident Energy (eV)

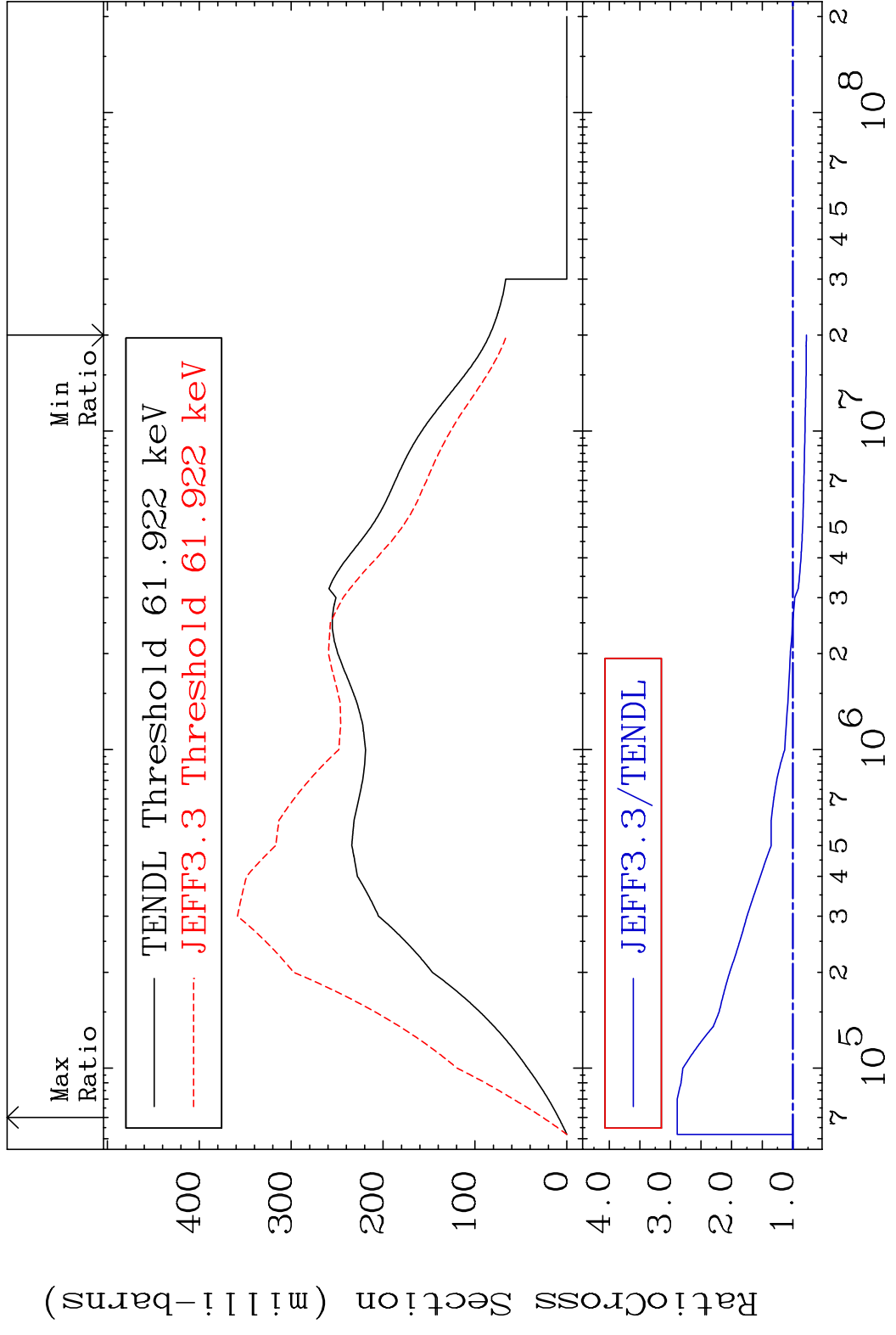
96-Cm-247

MAT 9646

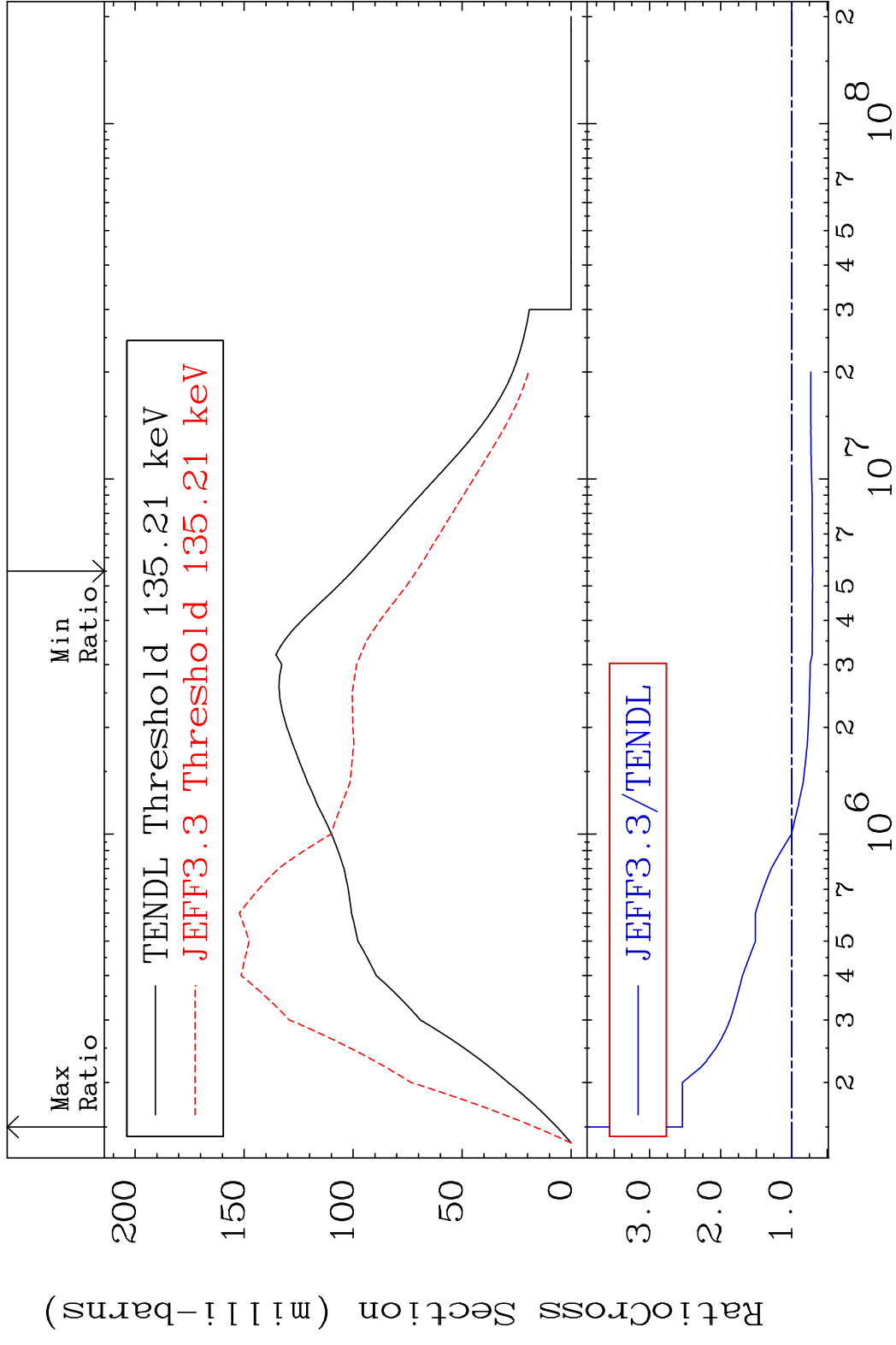
Fission Cross Section -73.43 To 3343. %
96-Cm-247



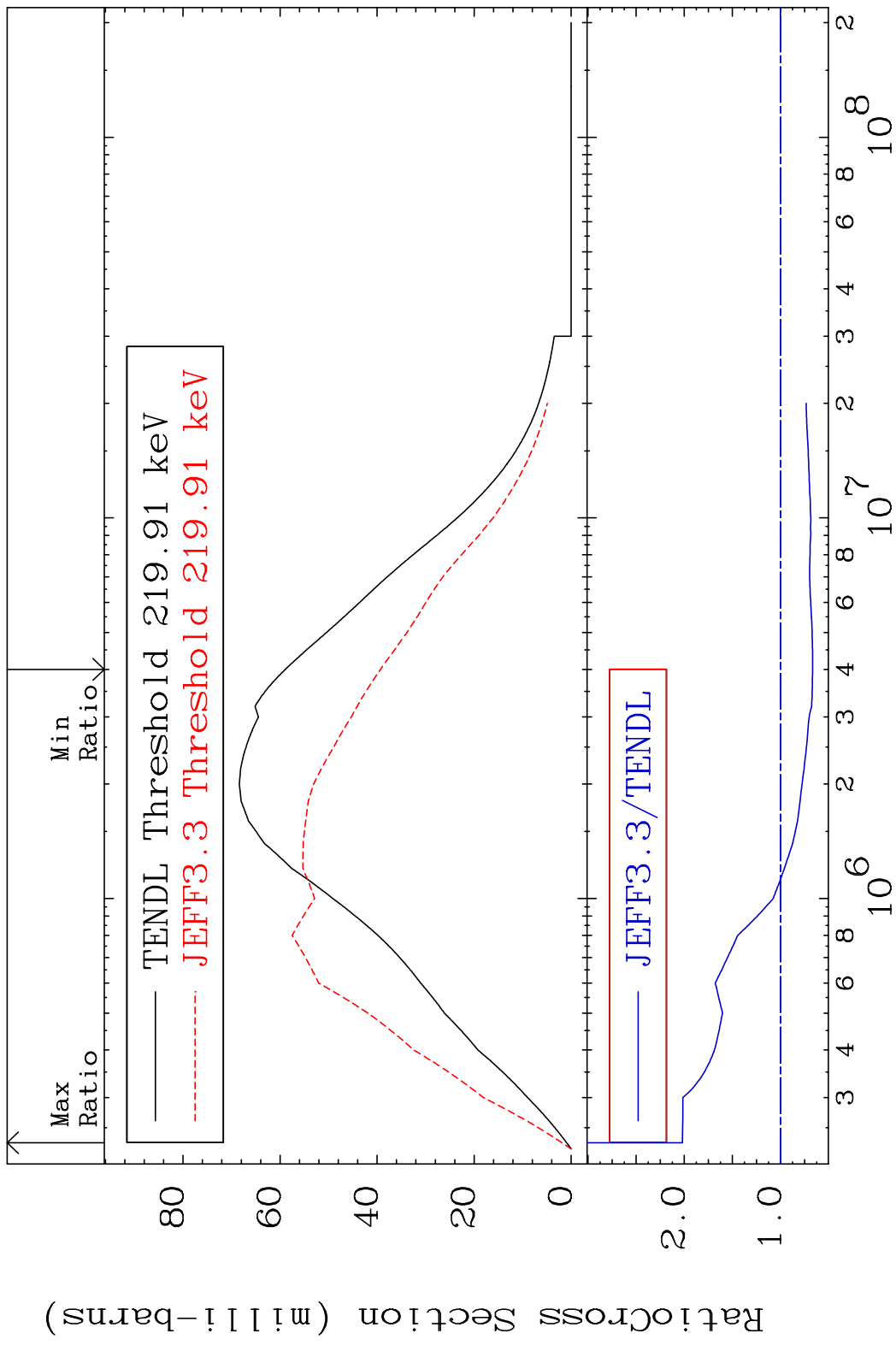
MAT 9646 MT= 51 (n, n') Level 96-Cm-247
 Cross Section -22.20 To 189.0 %



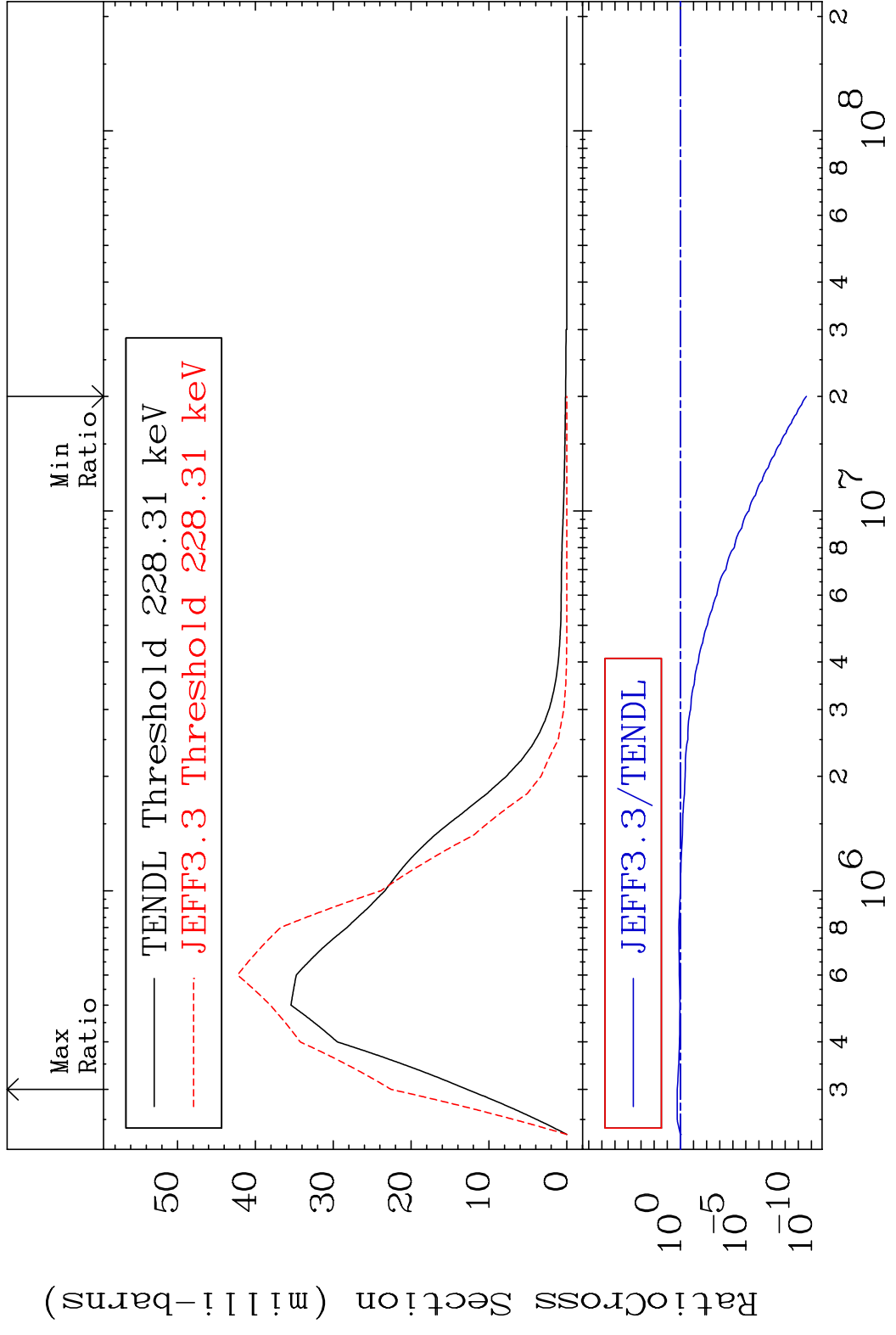
MAT 9646 MT= 52 (n, n') Level 96-Cm-247
 Cross Section -29.38 To 153.9 %



MAT 9646 MT= 53 (n, n') Level 96-Cm-247
 Cross Section -33.29 To 102.0 %

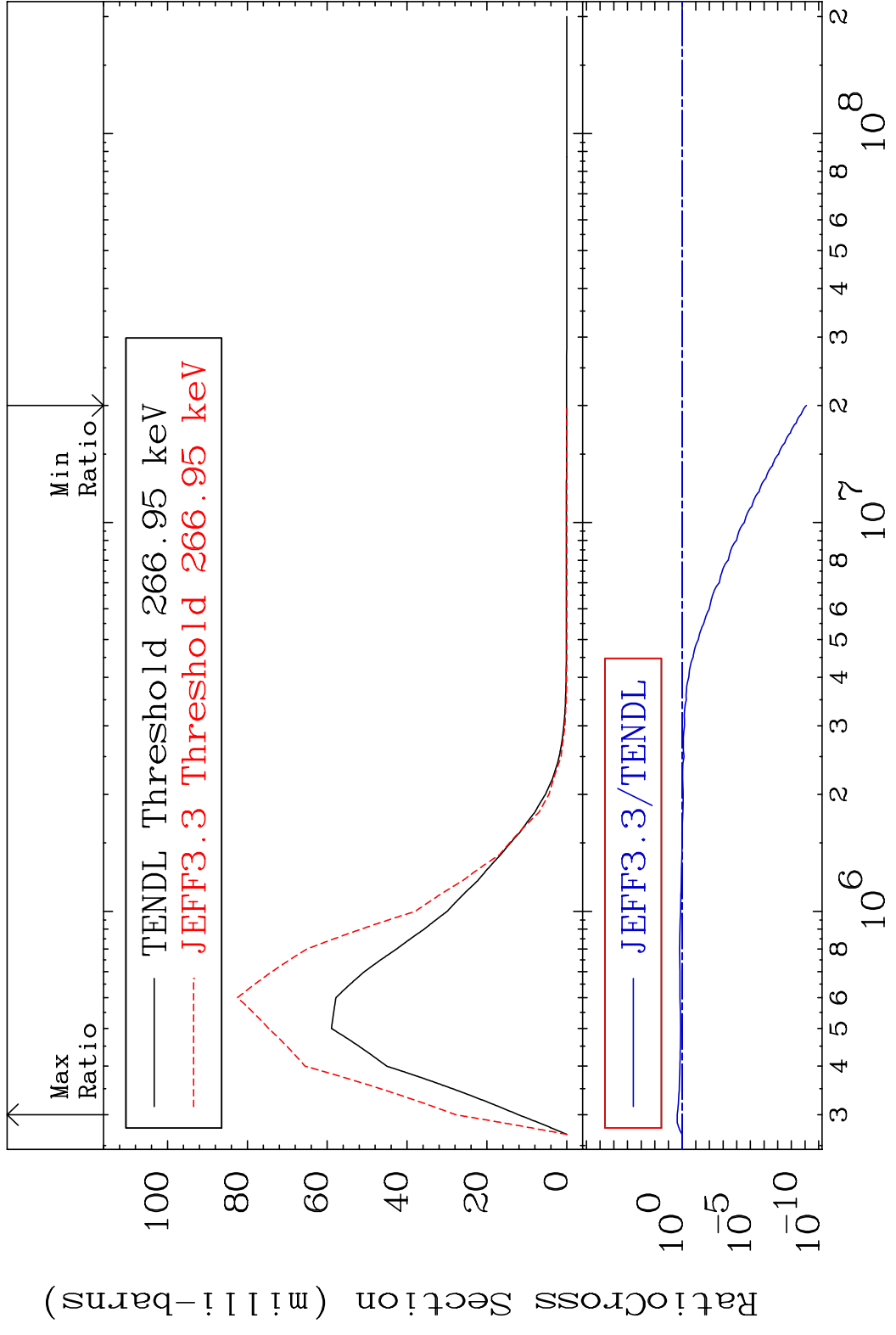


MAT 9646 MT= 54 (n, n') Level 96-Cm-247
 Cross Section -100.0 To 76.22 %

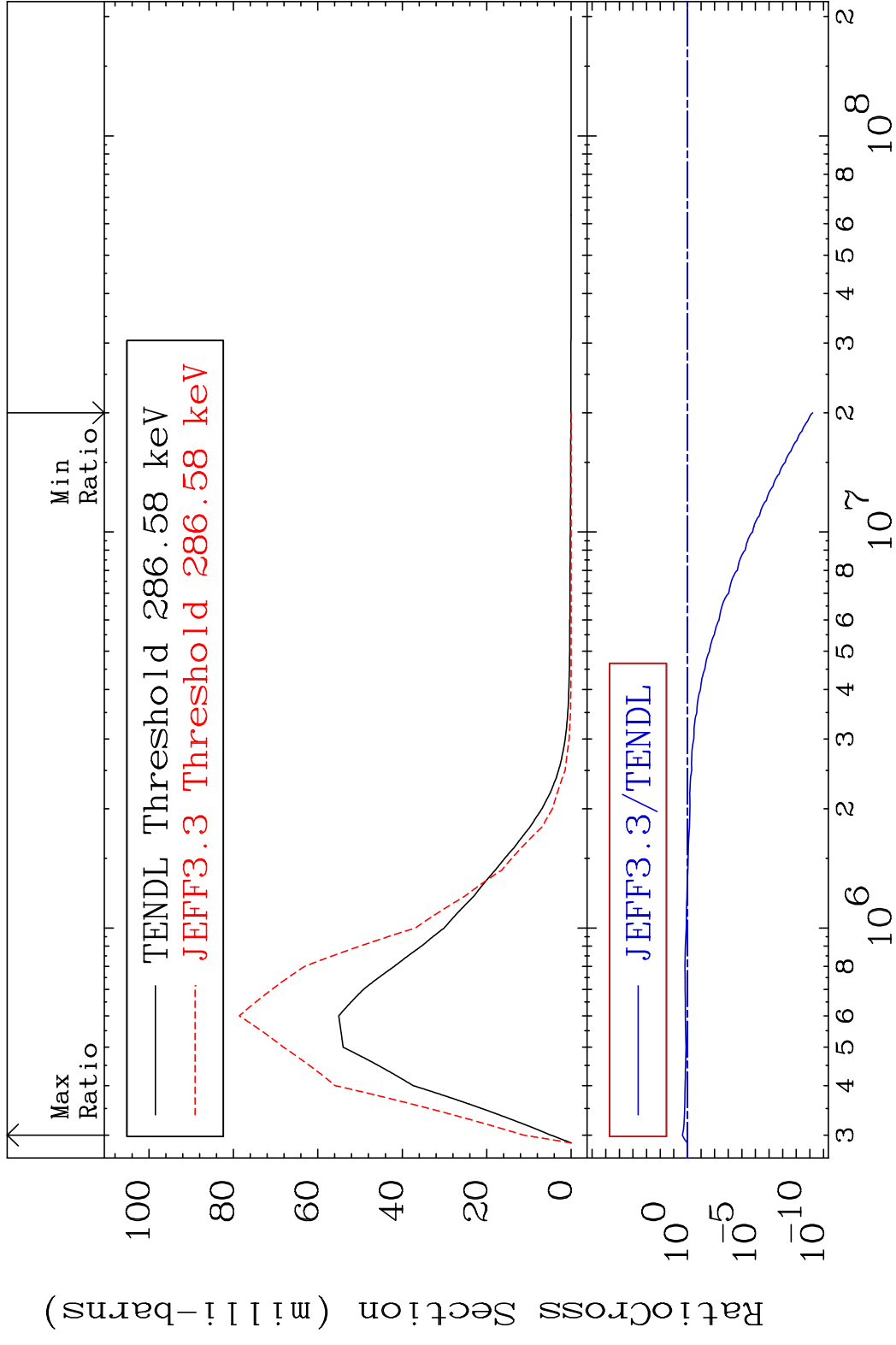


10 Incident Energy (eV) 96-Cm-247

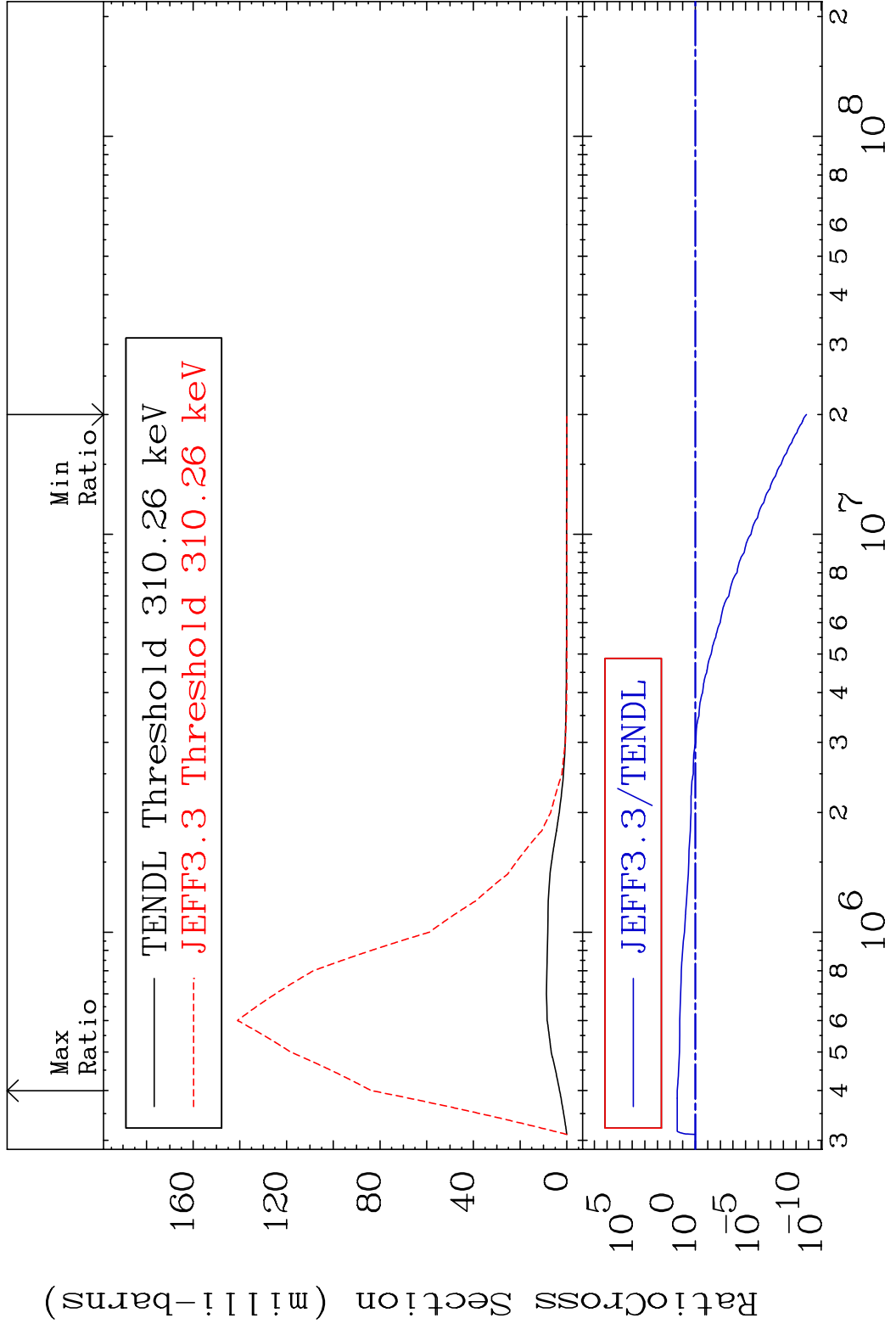
MAT 9646 MT= 55 (n,n') Level 96-Cm-247
 Cross Section -100.0 To 129.2 %



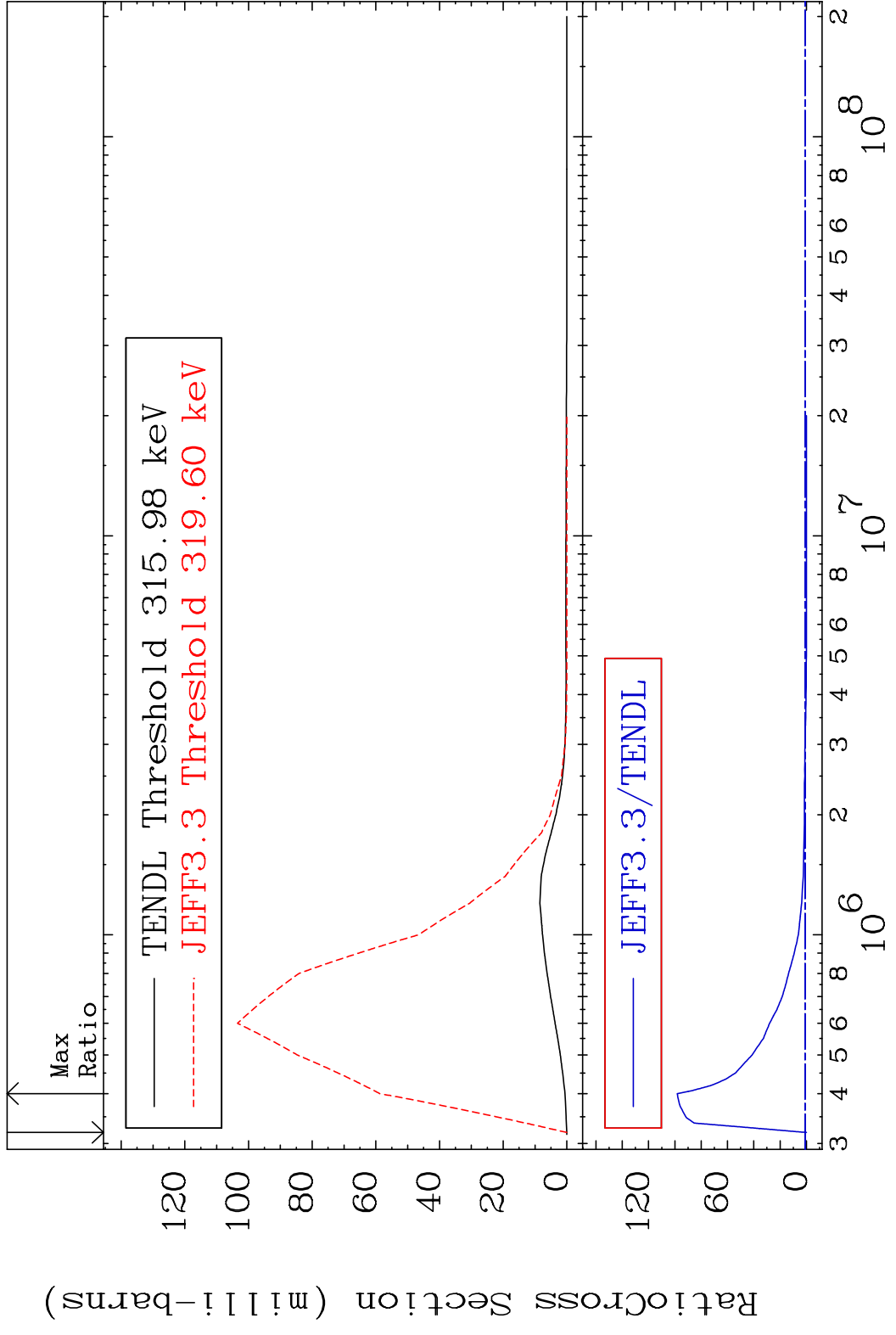
MAT 9646 MT= 56 (n,n') Level 96-Cm-247
 Cross Section -100.0 To 134.2 %



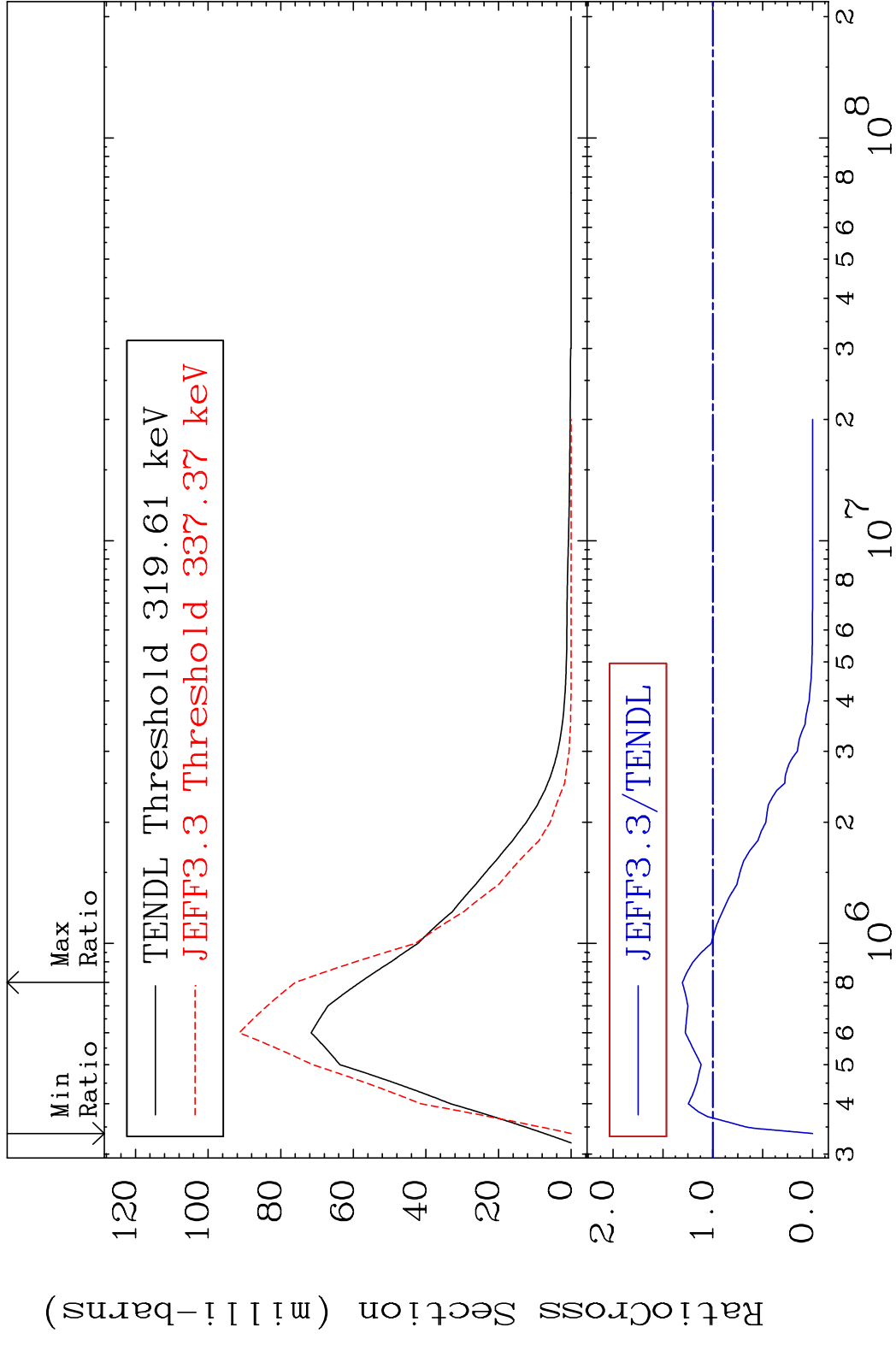
MAT 9646 MT= 57 (n, n') Level 96-Cm-247
 Cross Section -100.0 To 2604. %



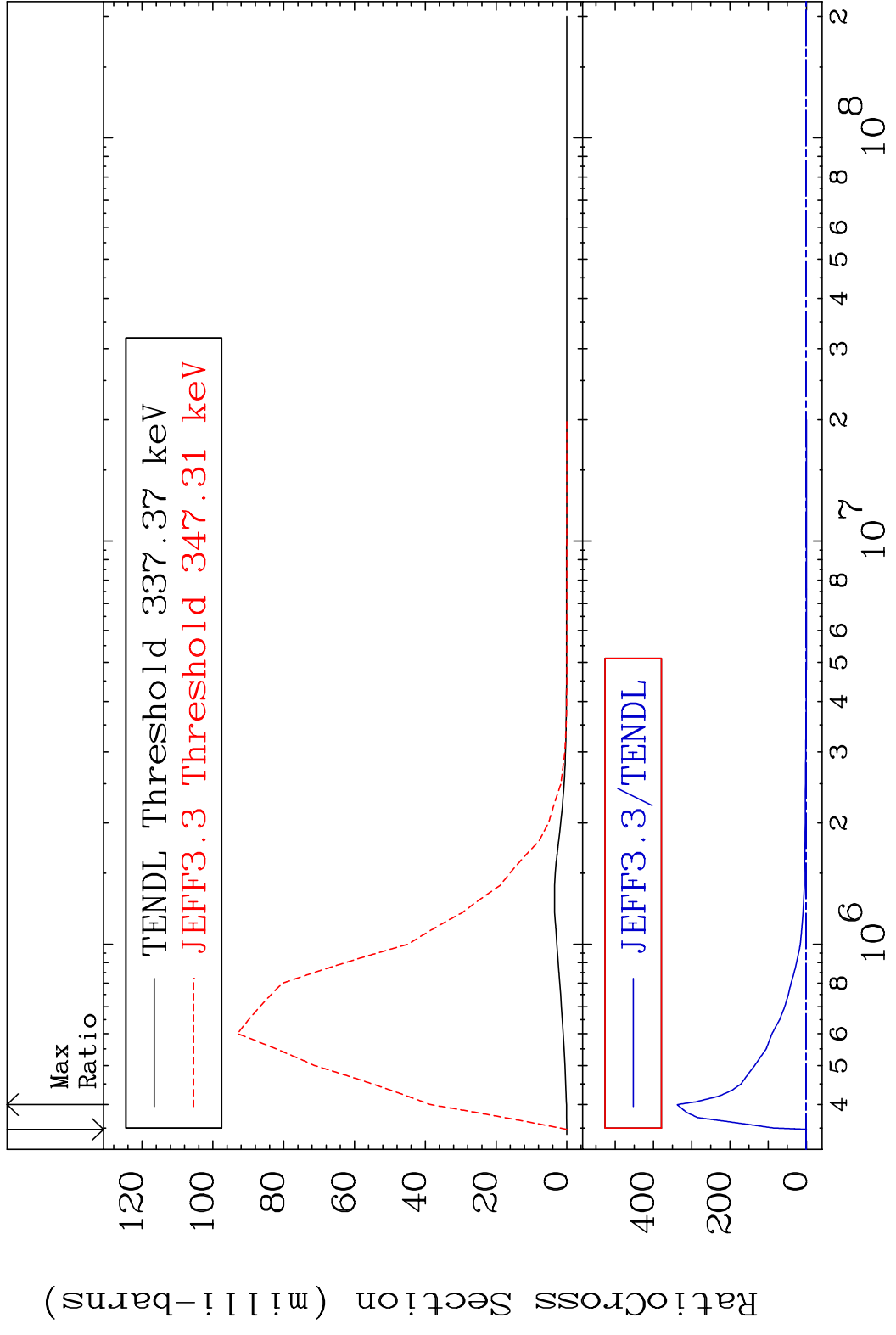
MAT 9646 MT= 58 (n,n') Level 96-Cm-247
 Cross Section -100.0 To 9724. %



MAT 9646 MT= 59 (n, n') Level 96-Cm-247
 Cross Section -100.0 To 30.55 %



MAT 9646 MT= 60 (n,n') Level 96-Cm-247
 Cross Section -100.0 To 9999. %

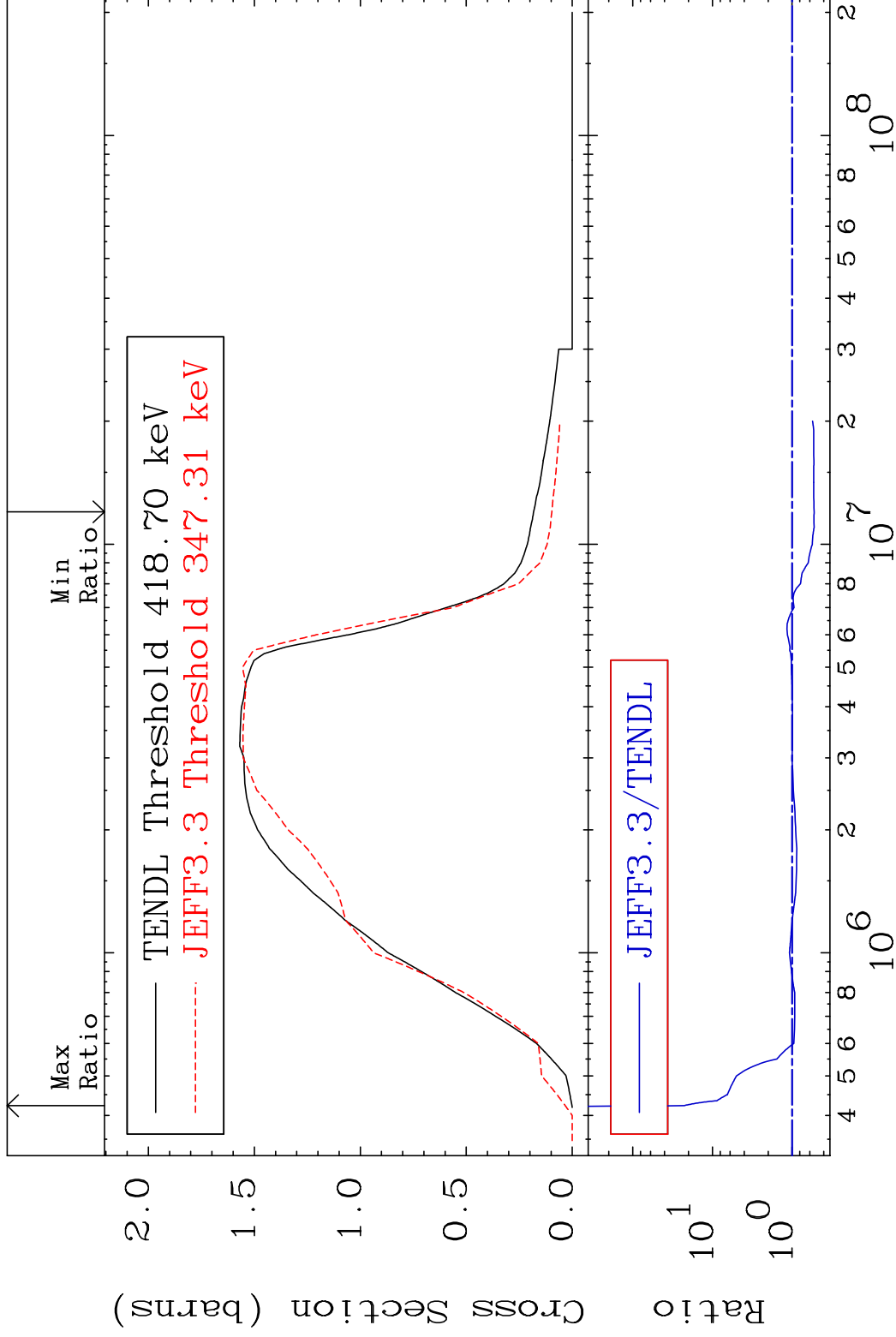


MAT 9646

(n, n') Continuum

96-Cm-247

Cross Section -47.06 To 2199. %



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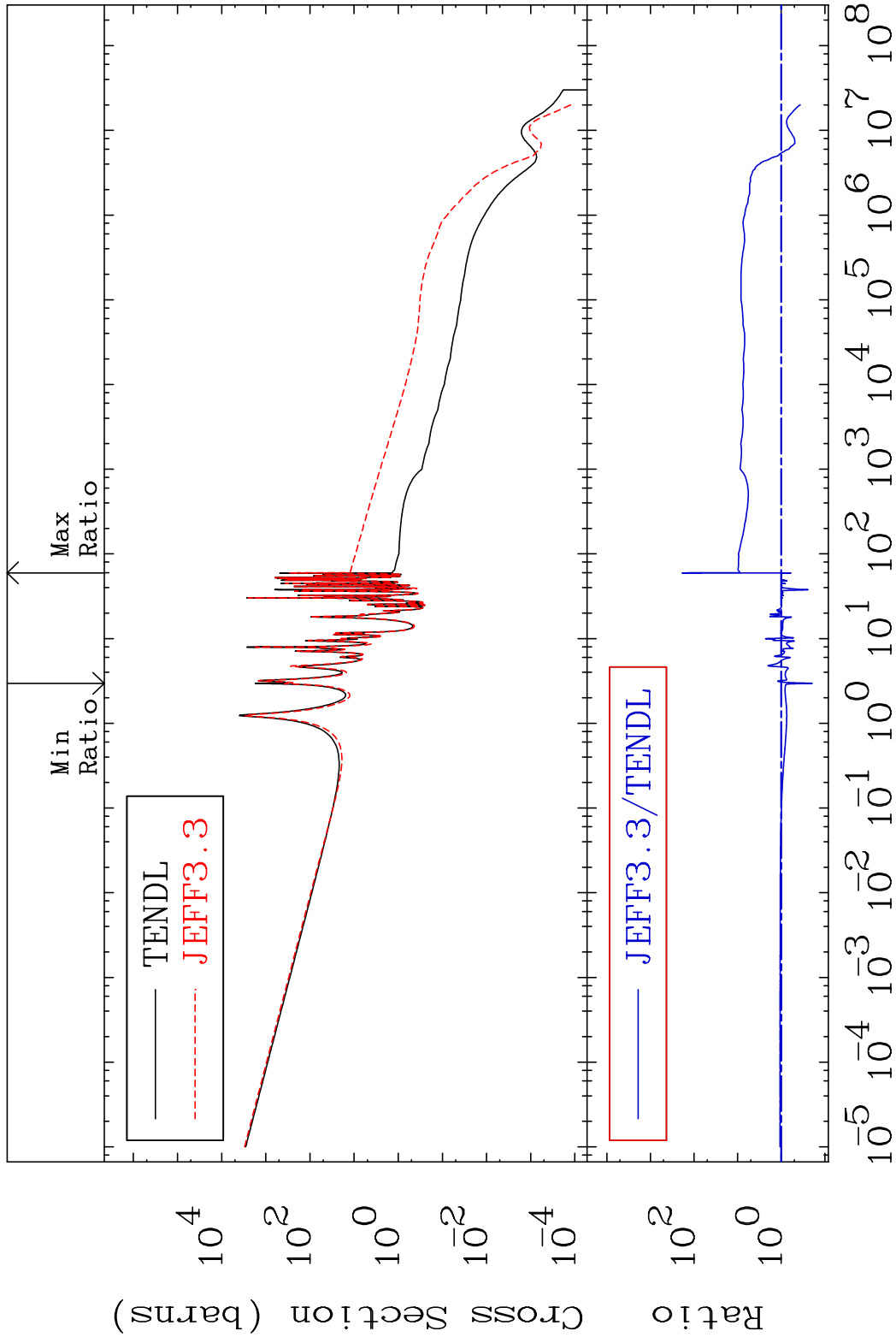
Incident Energy (eV)

96-Cm-247

MAT 9646

(n, γ)
Cross Section -80.89 To 9999. %

96-Cm-247

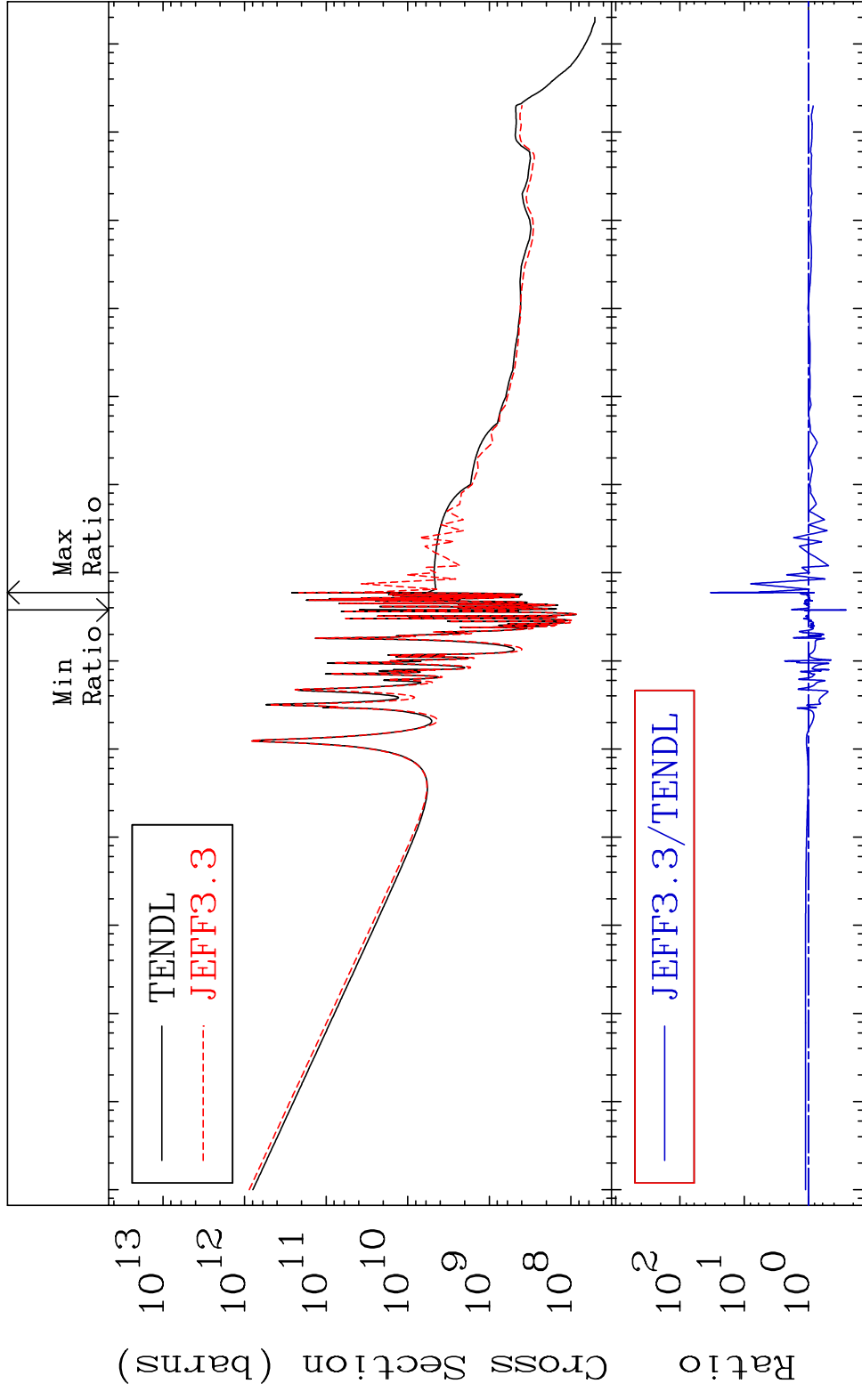


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Incident Energy (eV)

96-Cm-247

MAT 9646 Kerma total (eV-barns) 96-Cm-247
 Cross Section -74.37 To 3221. %



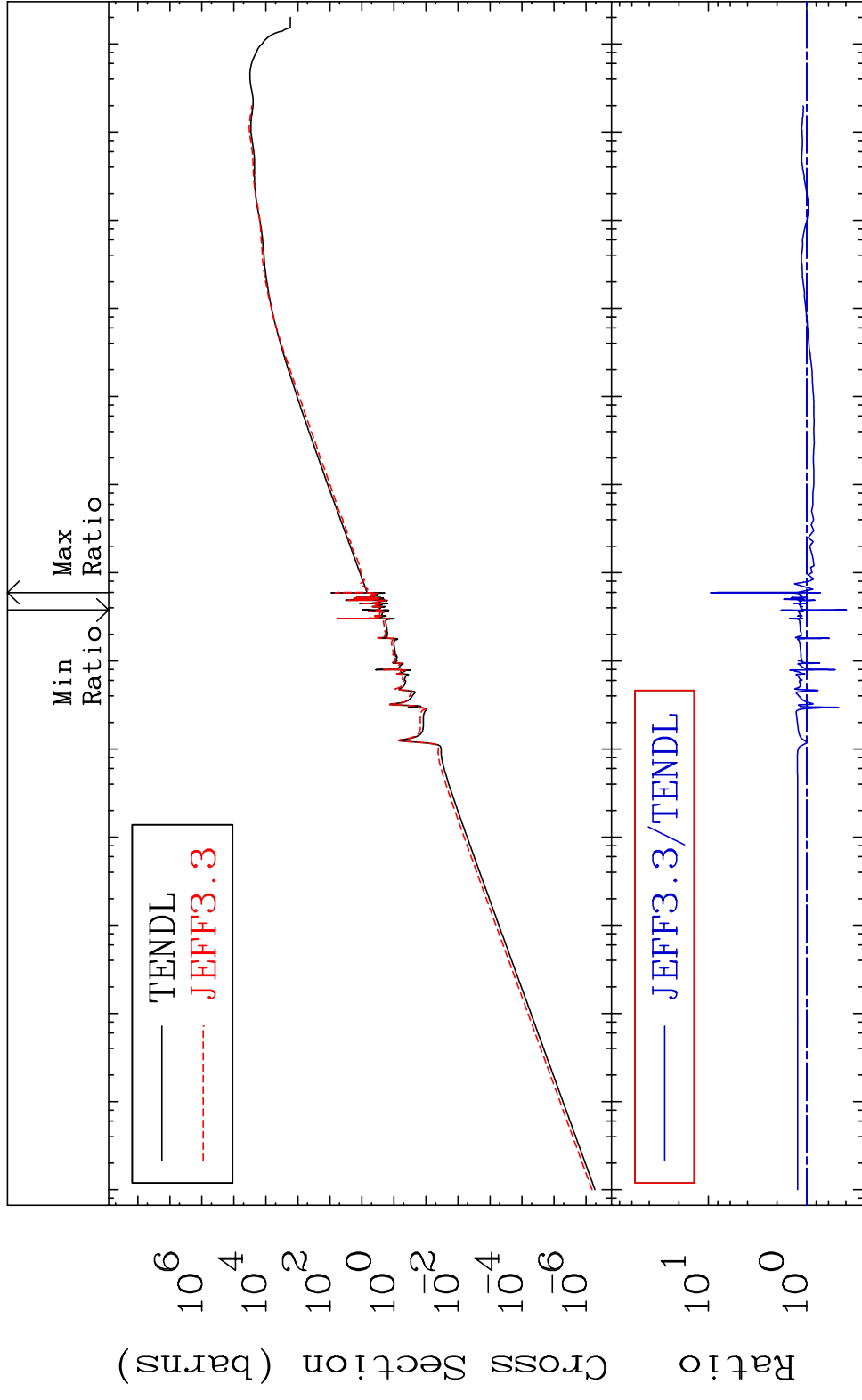
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

19 Incident Energy (eV) 96-Cm-247

MAT 9646

Kerma elastic
Cross Section

96-Cm-247
-60.47 To 847.5 %



Cross Section (barns)
Ratio

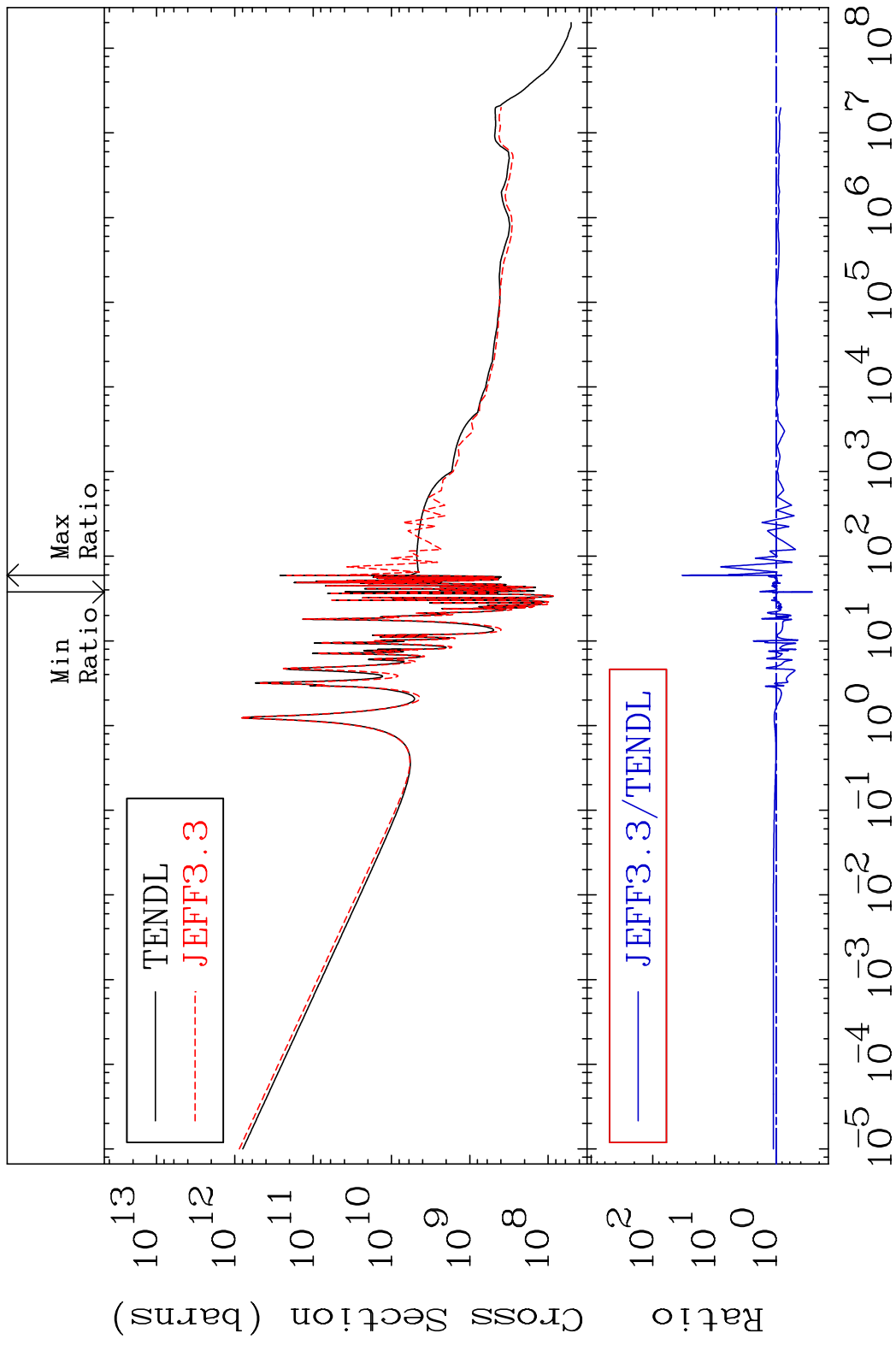
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

20

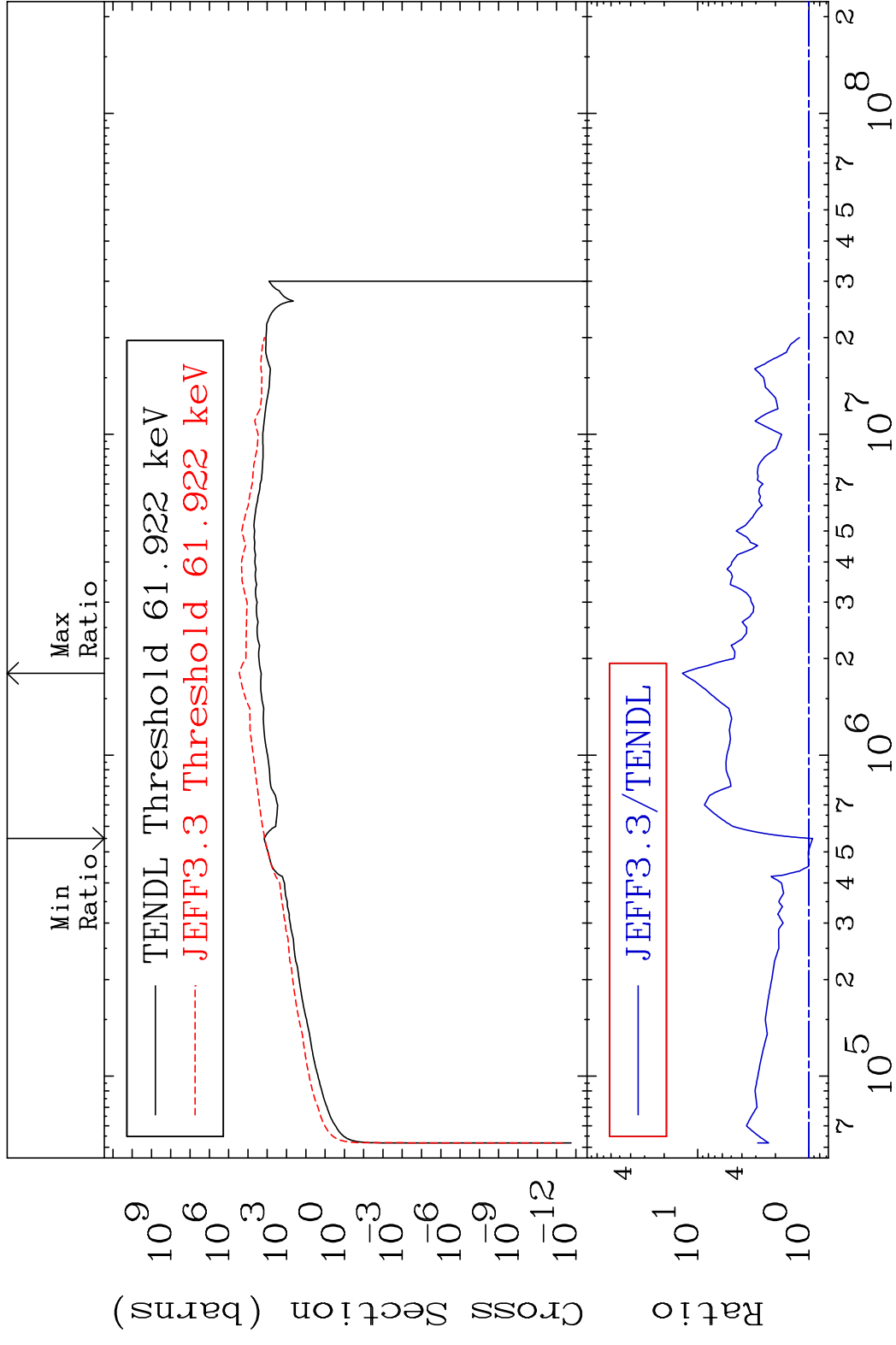
Incident Energy (eV)

96-Cm-247

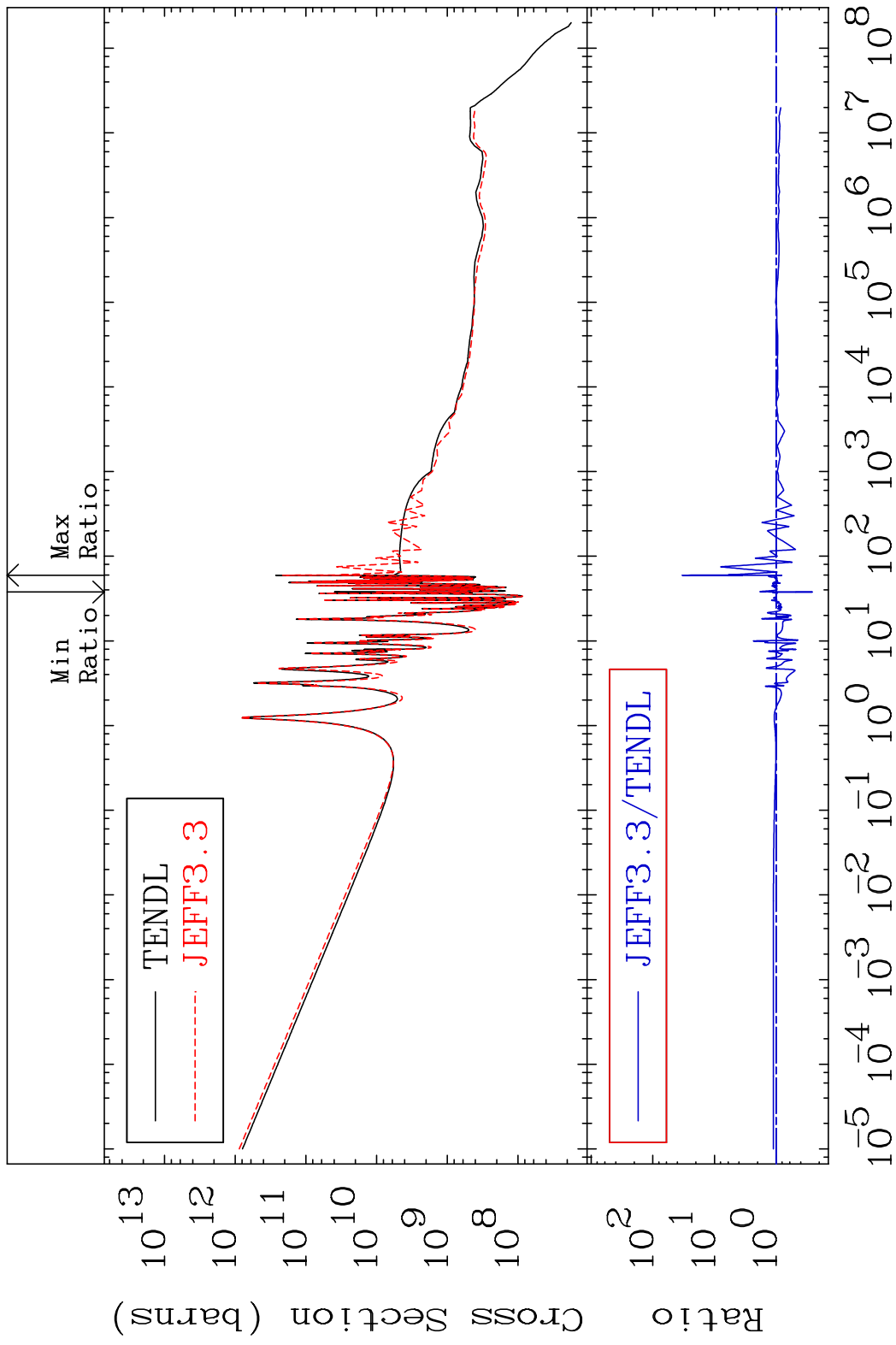
MAT 9646 Kerma non-elastic (all but mt2) 96-Cm-247
 Cross Section -74.37 To 3221. %



MAT 9646 Kerma inelastic (mt51-91) 96-Cm-247
 Cross Section -7.162 To 1270. %

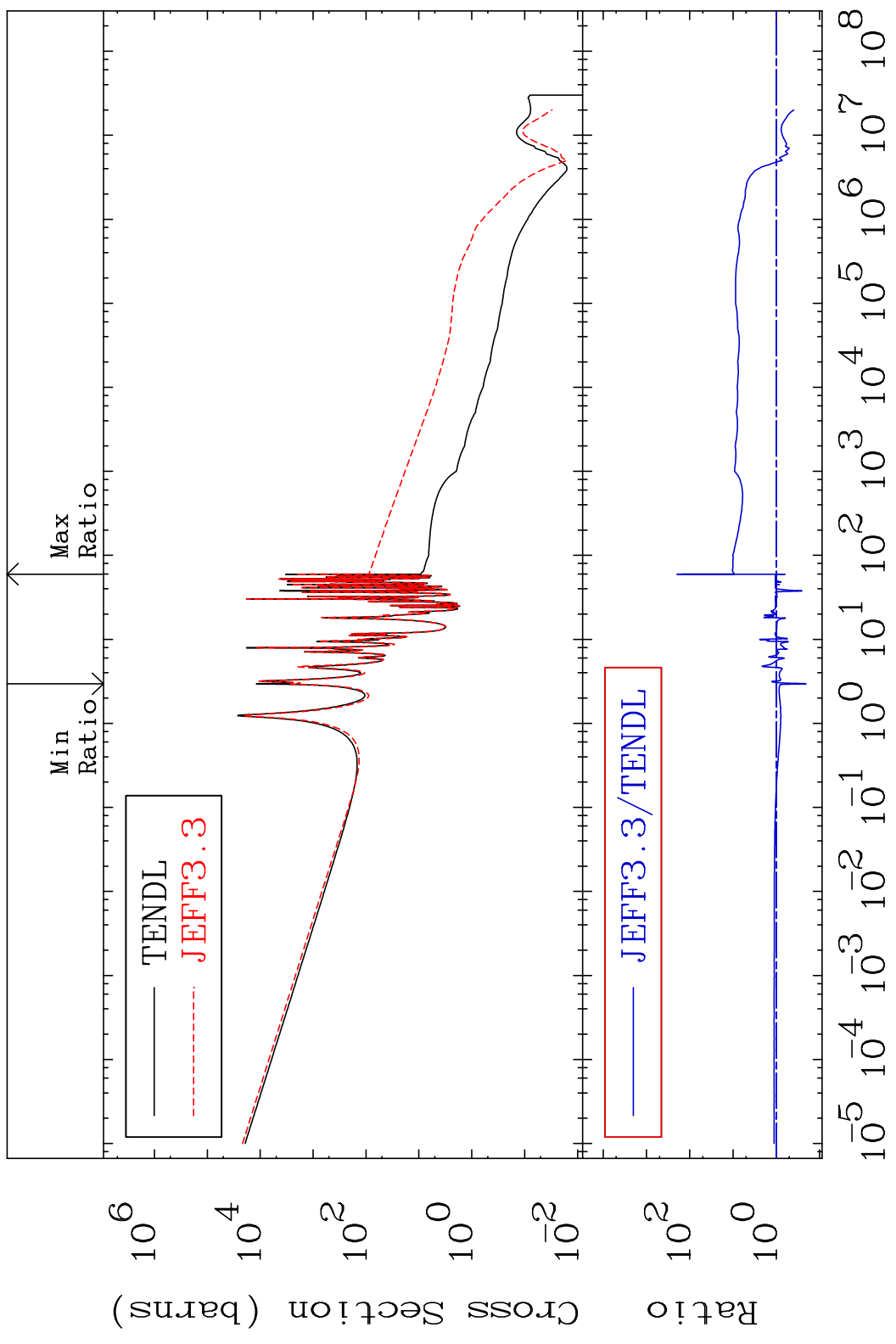


MAT 9646 Kerma fission (mt18 or mt19-20-21-38) 96-Cm-247
 Cross Section -74.37 To 3221. %



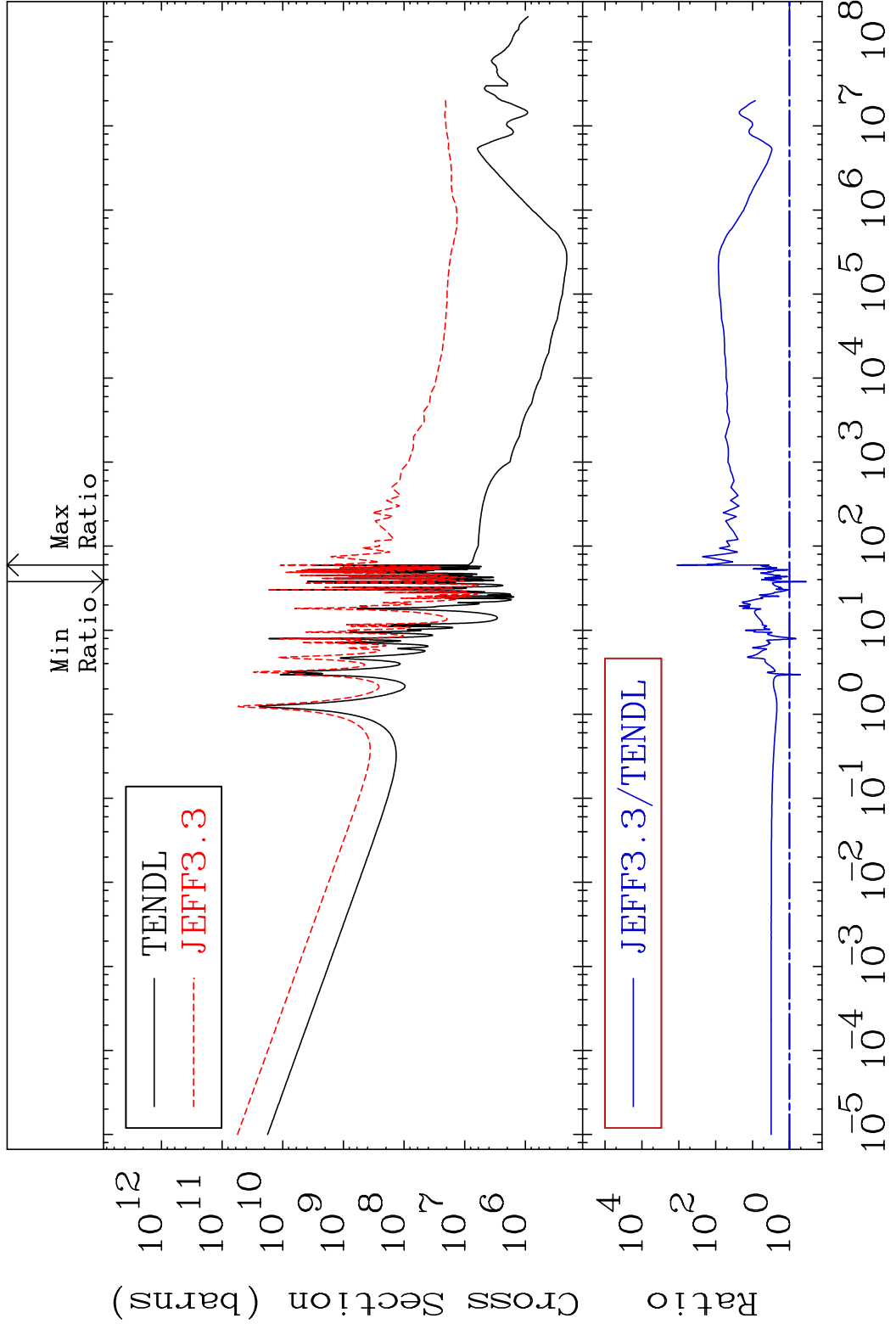
MAT 9646

Kerma capture (mt102) 96-Cm-247
Cross Section -79.85 To 9999. %



MAT 9646

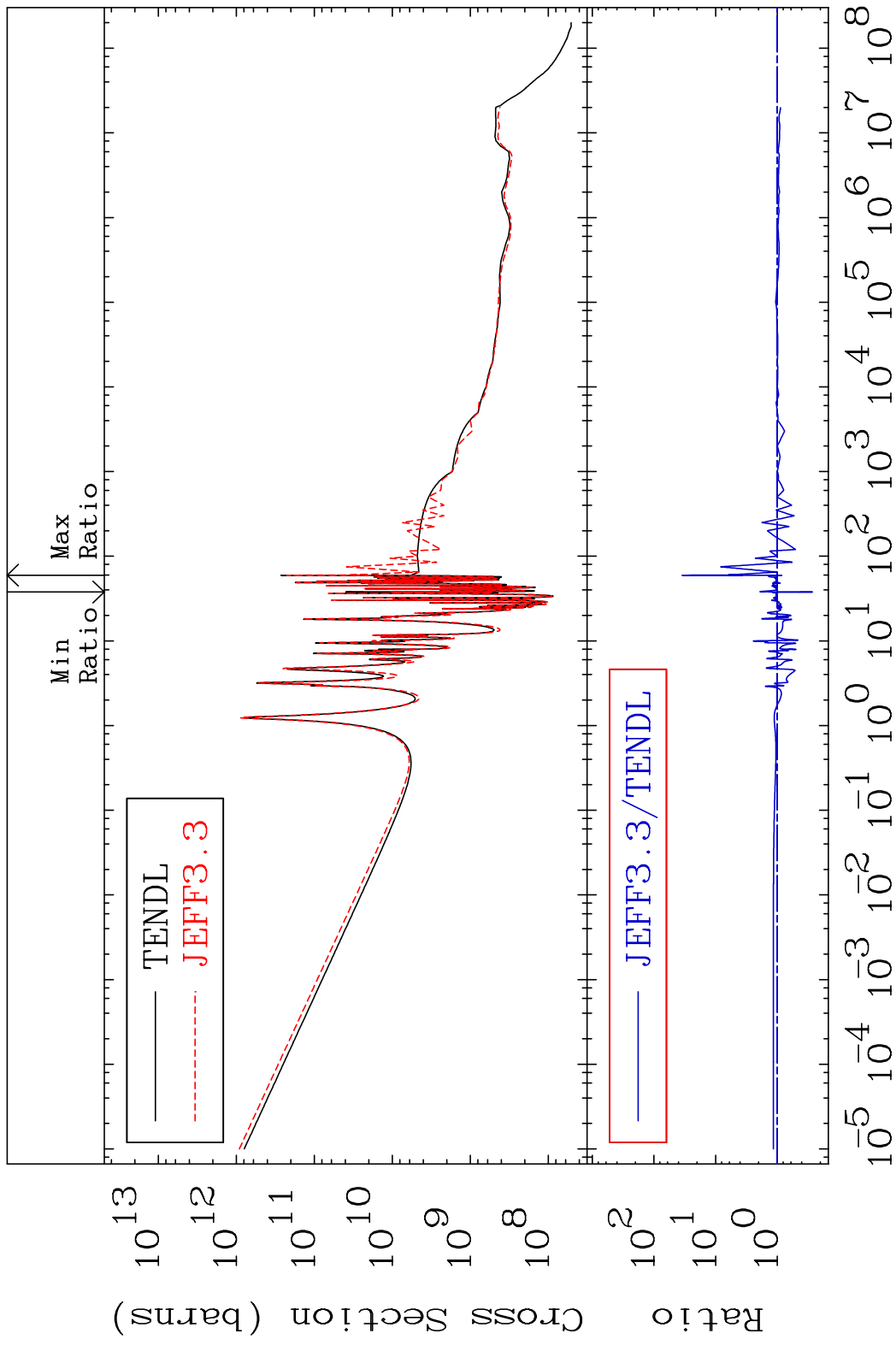
Total photon (eV-barns) 96-Cm-247
Cross Section -65.00 To 9999. %



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Incident Energy (eV) 96-Cm-247

MAT 9646 Total kinematic kerma (high limit) 96-Cm-247
 Cross Section -73.29 To 3361. %

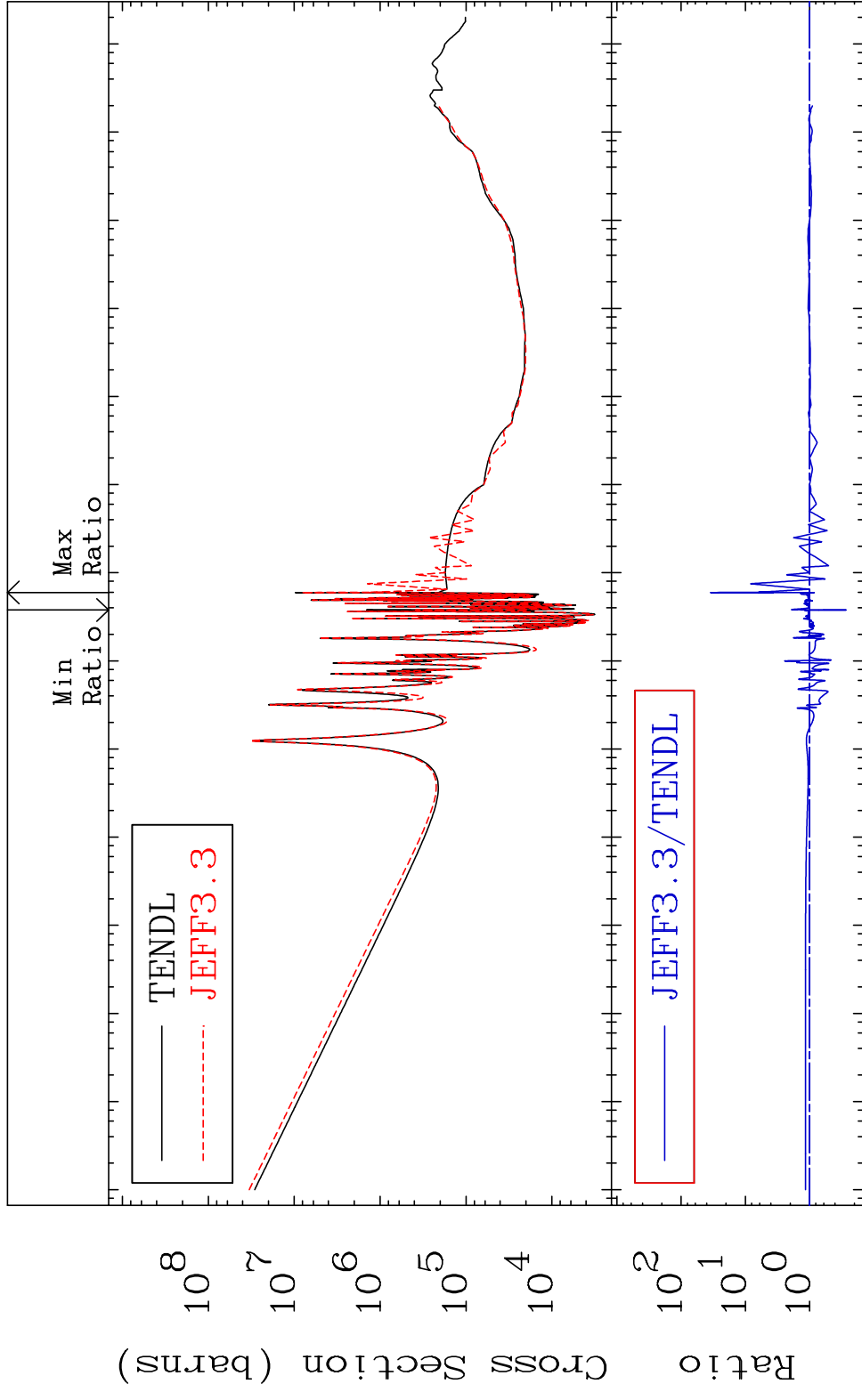


MAT 9646

Dpa total (eV-barns)

96-Cm-247

Cross Section -73.28 To 3363. %

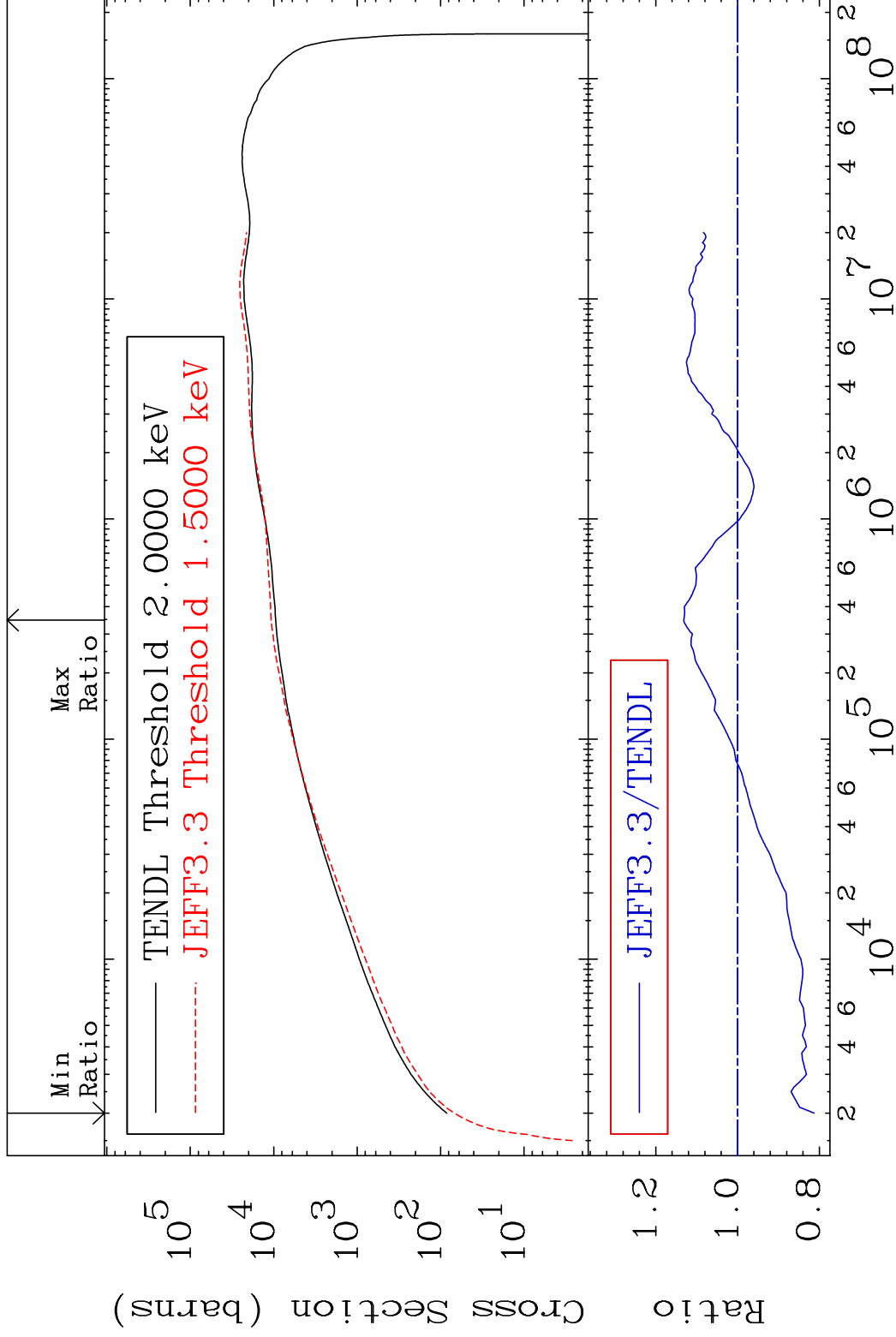


MAT 9646

Dpa elastic (mt2)

96-Cm-247

Cross Section -18.72 To 13.18 %

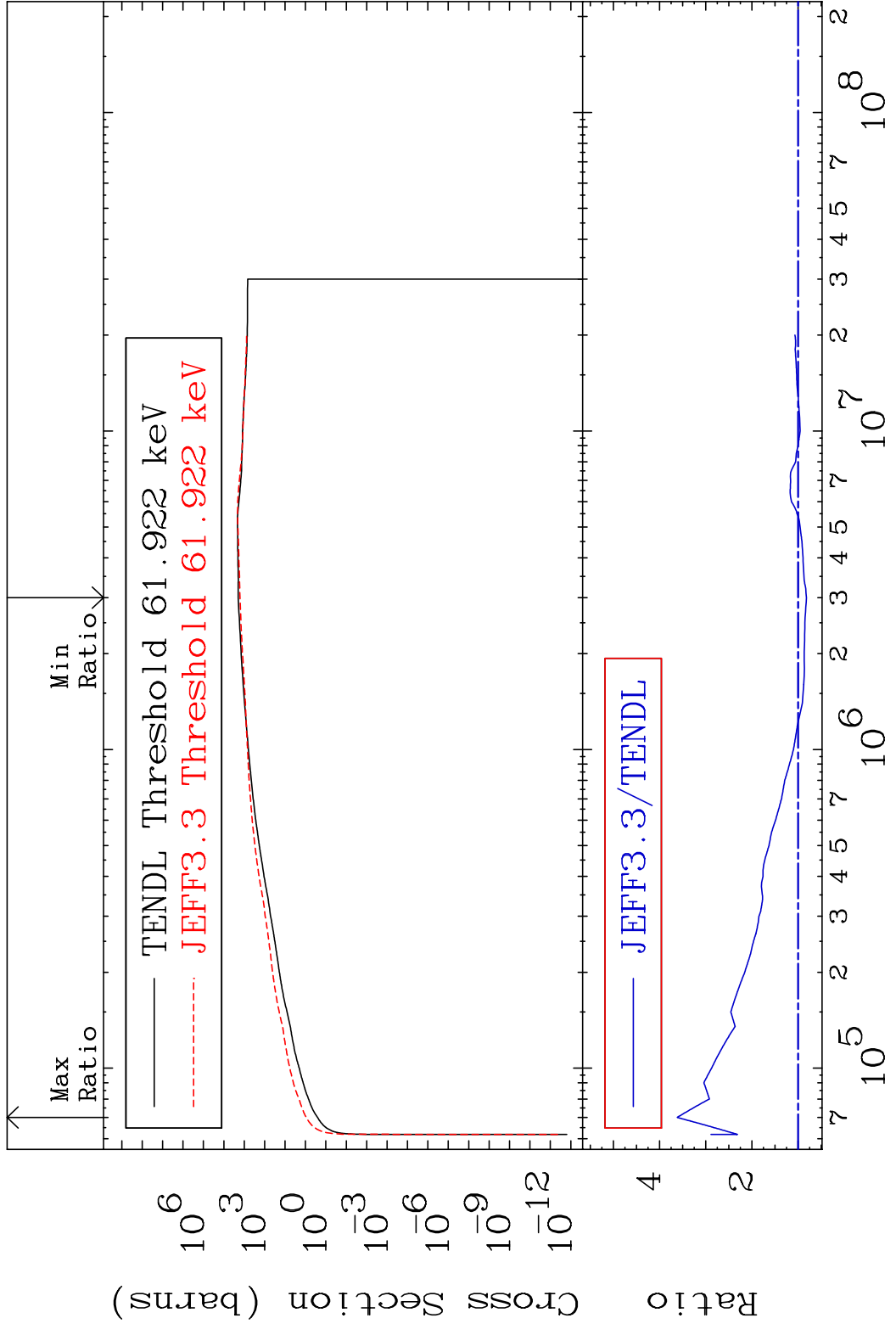


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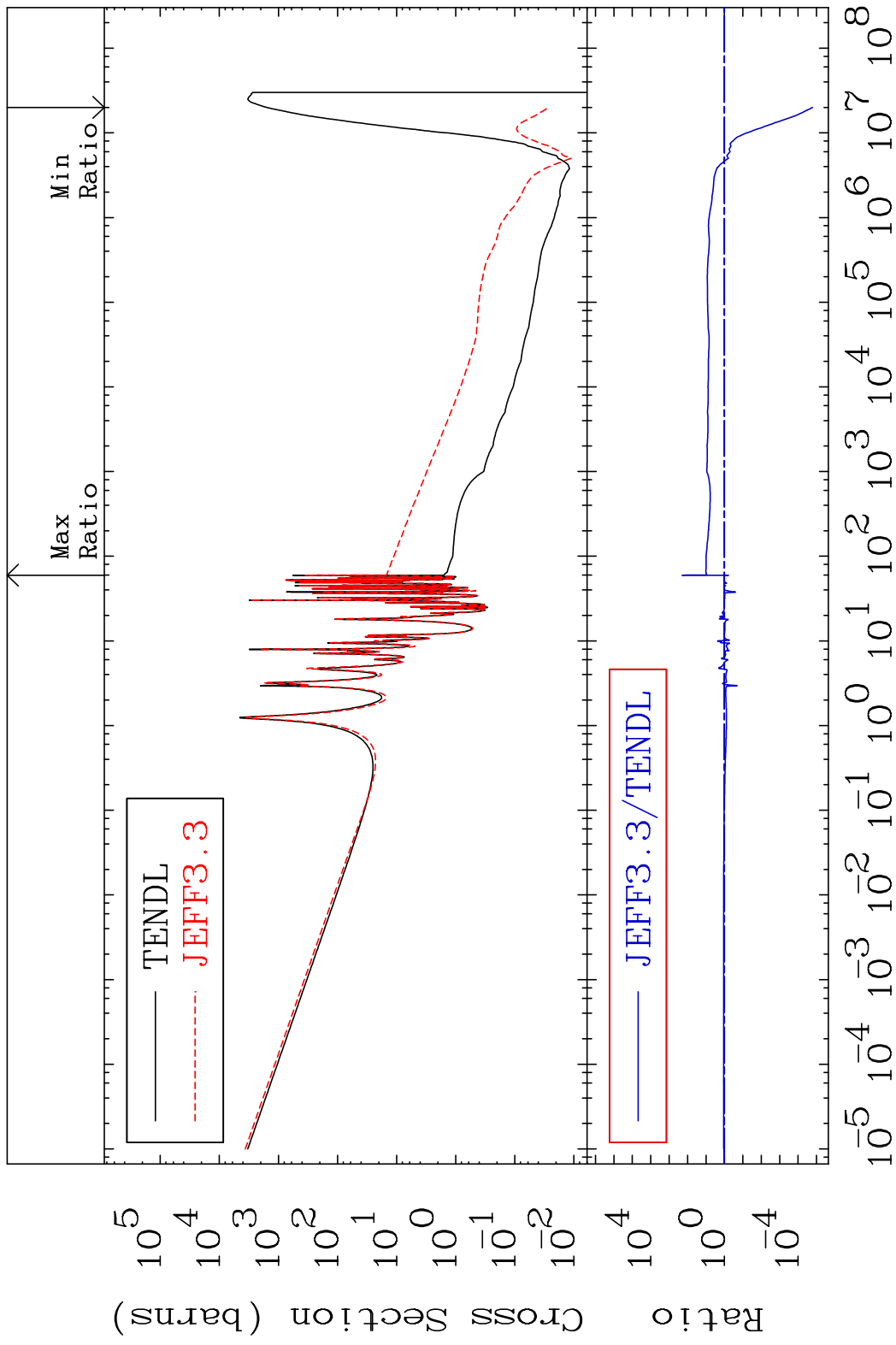
Incident Energy (eV)

96-Cm-247

MAT 9646 Dpa inelastic (mt51-91) 96-Cm-247
 Cross Section -17.82 To 262.0 %



MAT 9646 Dpa disappearance (mt102 -120) 96-Cm-247
 Cross Section -100.0 To 9999. %



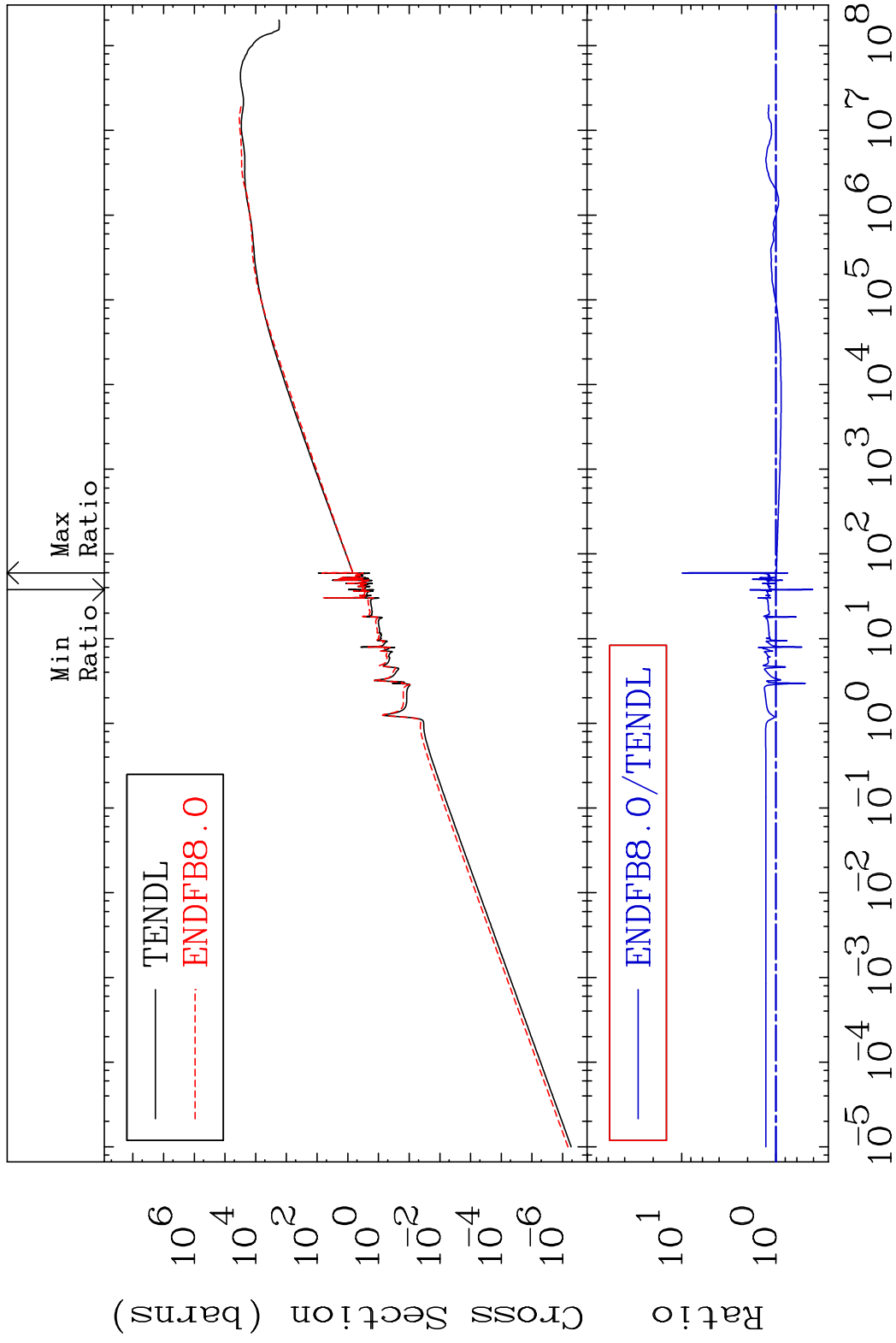
30 Incident Energy (eV) 96-Cm-247

MAT 9646

Kerma elastic

96-Cm-247

Cross Section -59.02 To 882.0 %

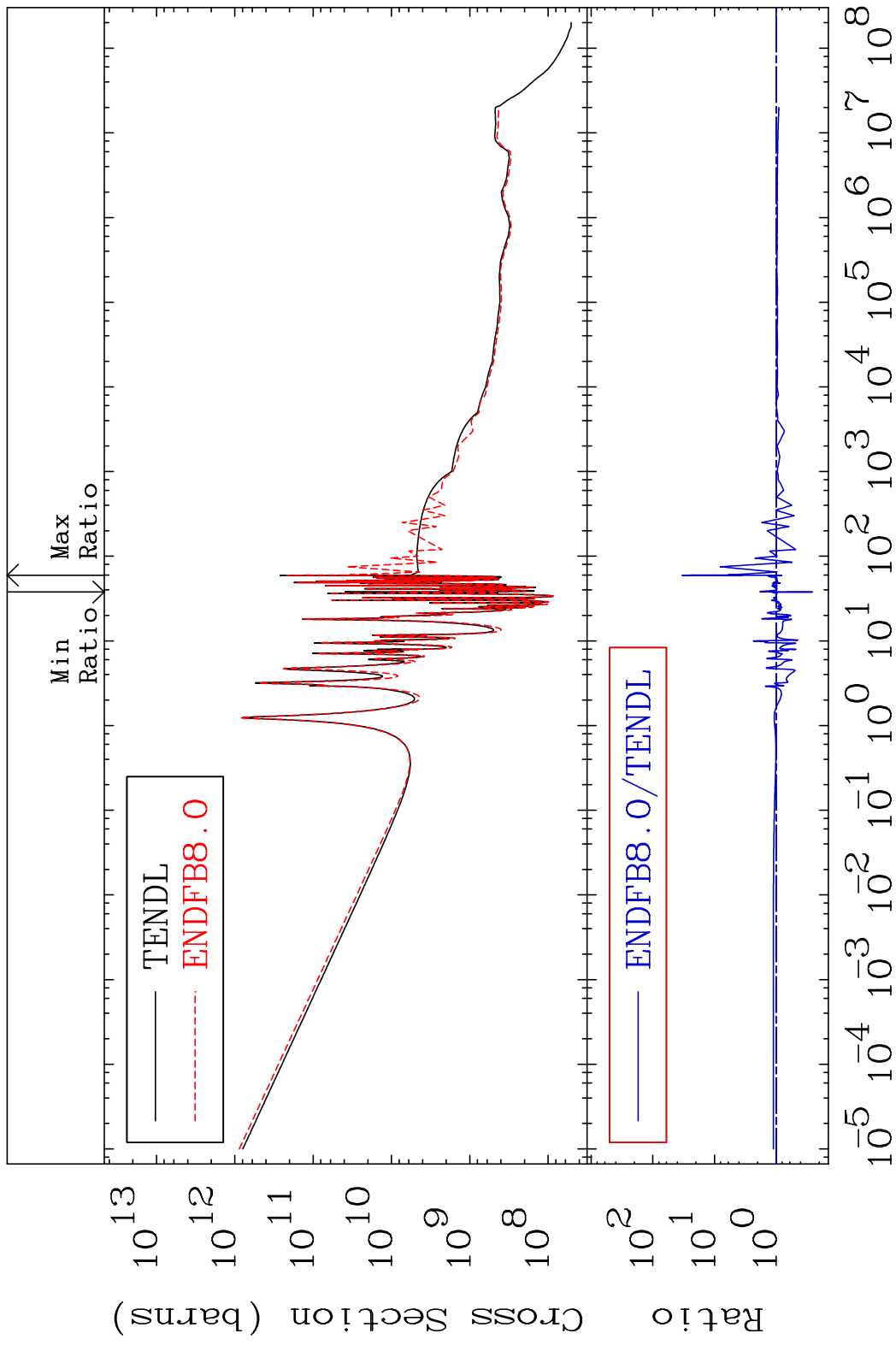


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Incident Energy (eV)

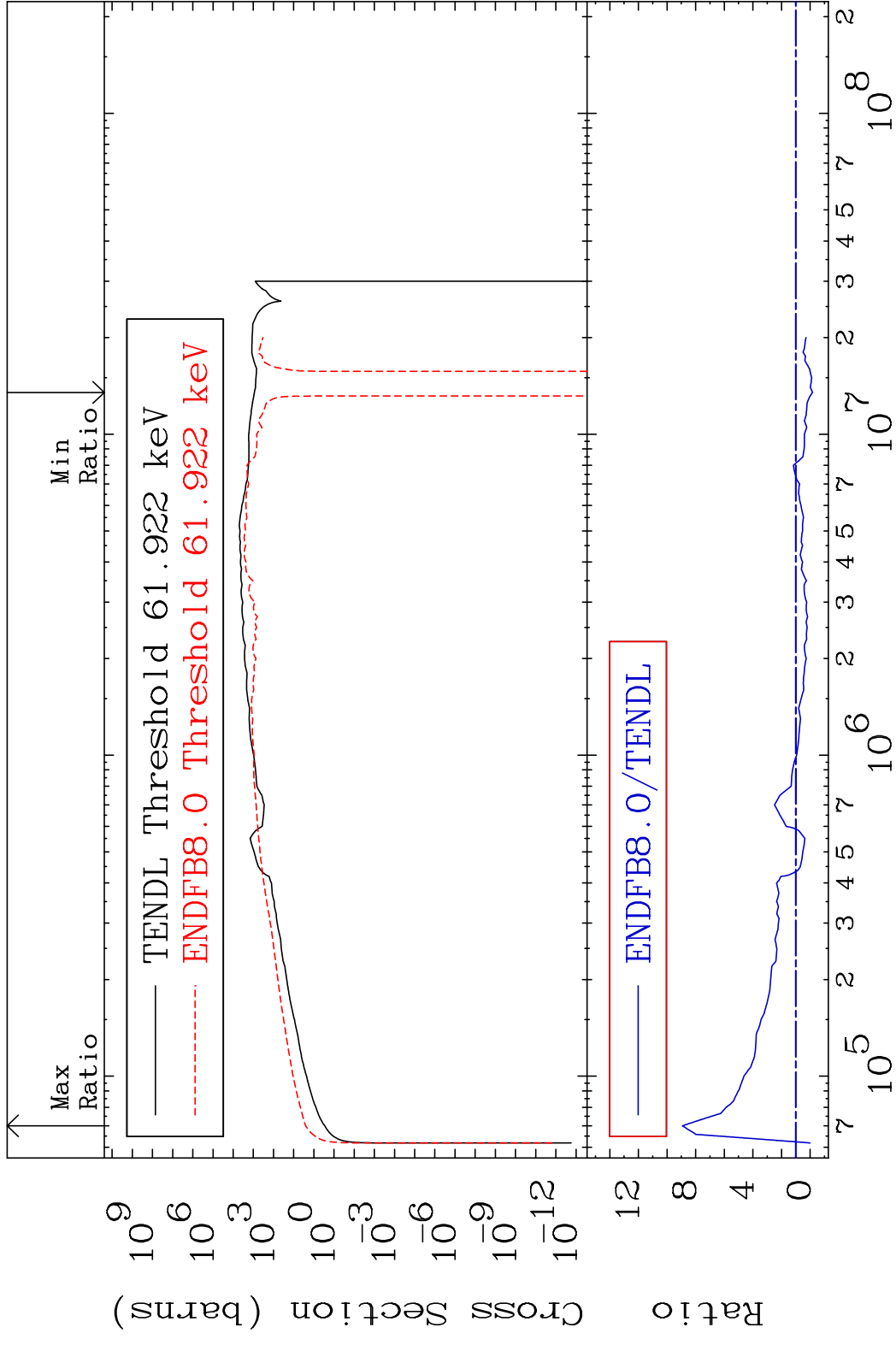
96-Cm-247

MAT 9646 Kerma non-elastic (all but mt2) 96-Cm-247
 Cross Section -74.38 To 3220. %

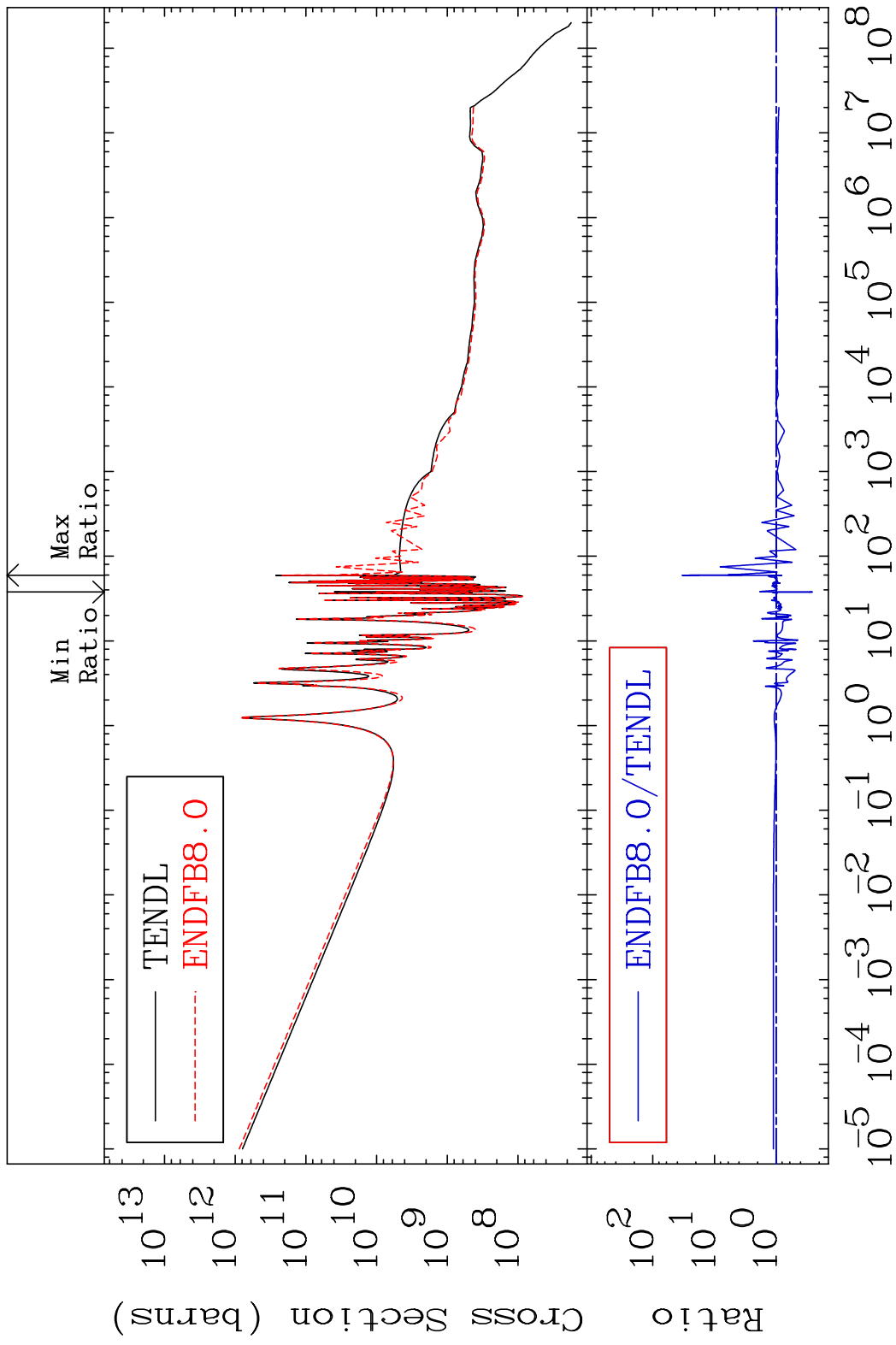


32 Incident Energy (eV) 96-Cm-247

MAT 9646 Kerma inelastic (mt51-91) 96-Cm-247
 Cross Section -117.0 To 792.8 %

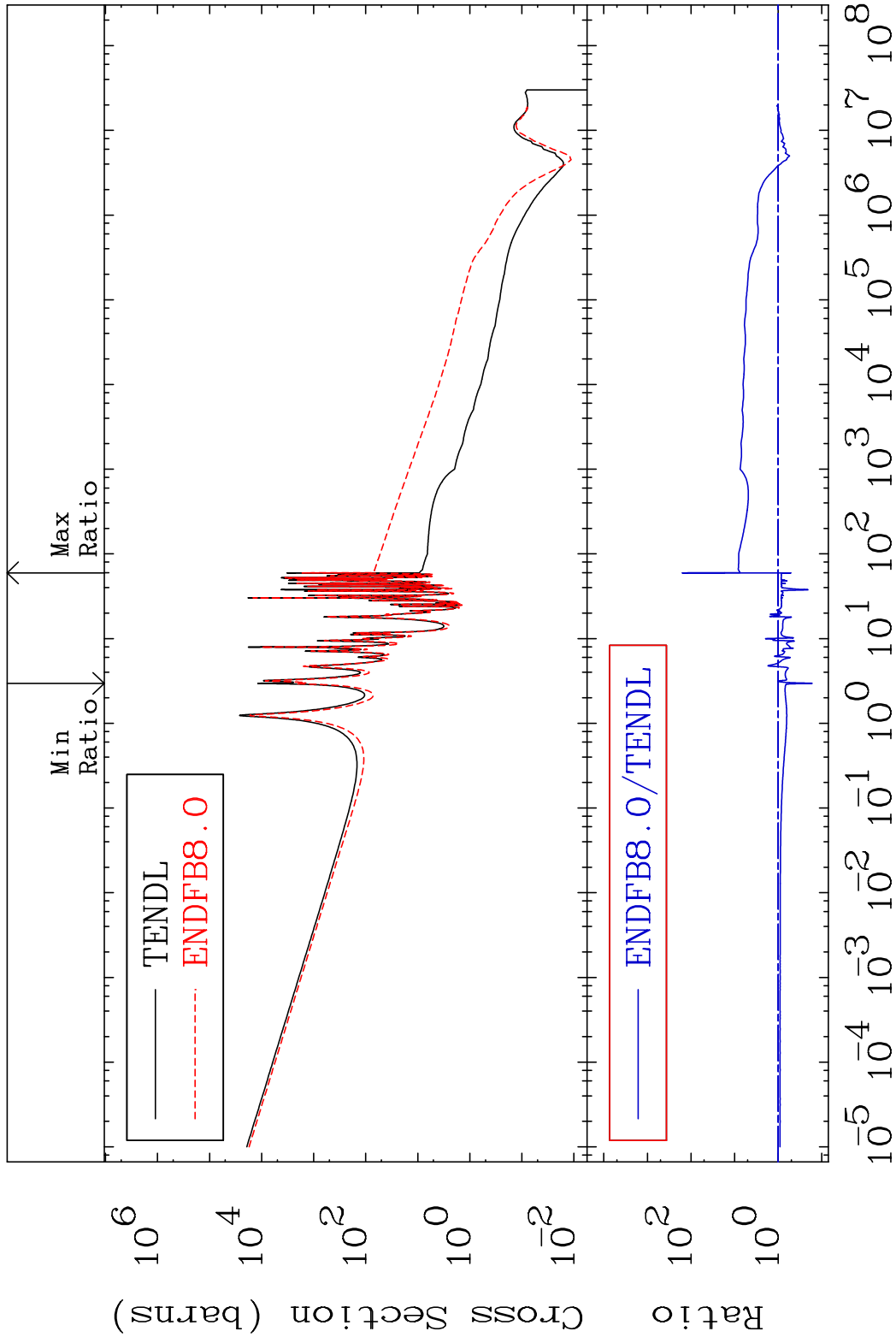


MAT 9646 Kerma fission (mt18 or mt19-20-21-38) 96-Cm-247
 Cross Section -74.38 To 3220. %



MAT 9646

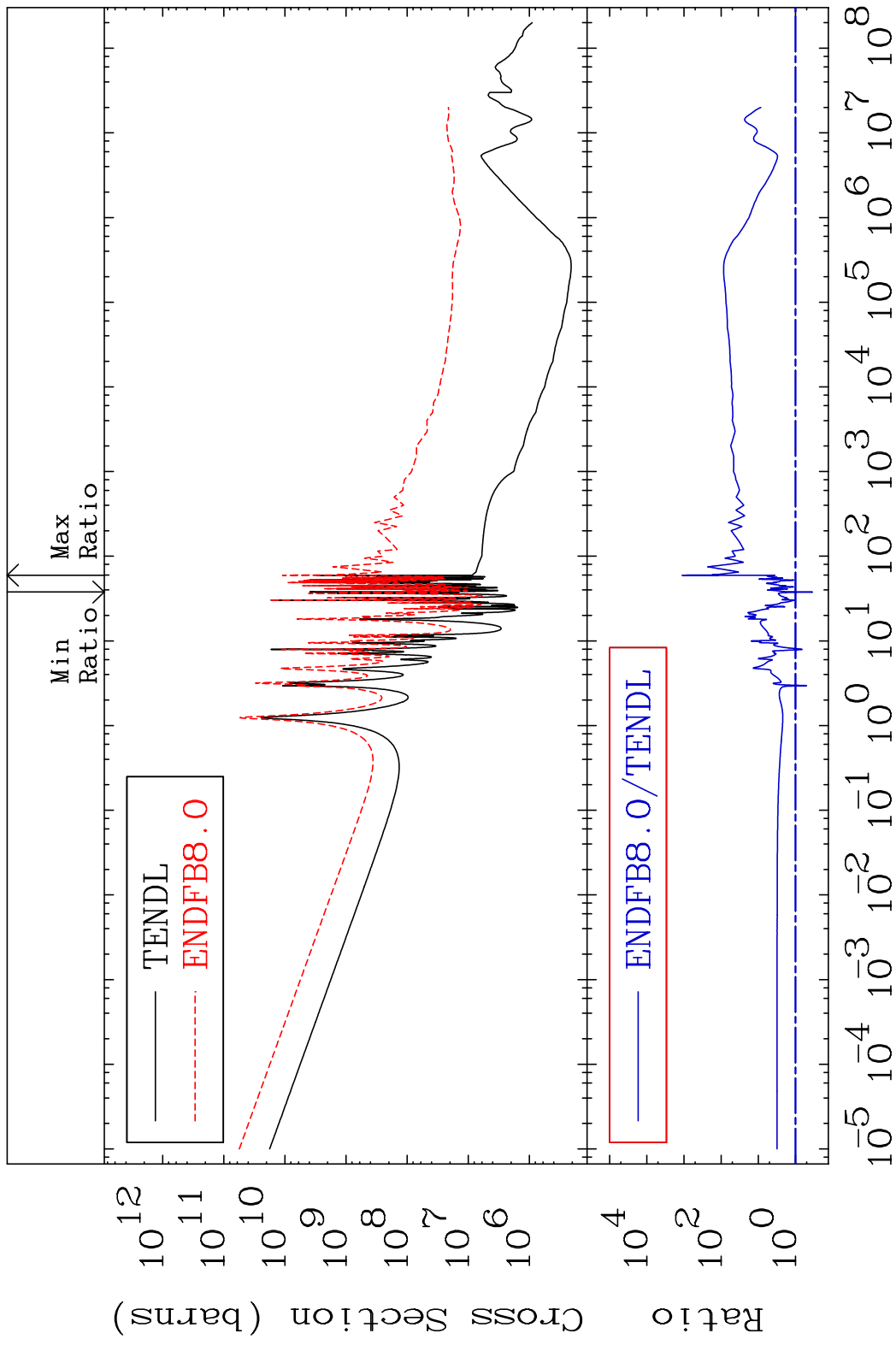
Kerma capture (mt102) 96-Cm-247
Cross Section -83.70 To 9999. %



35

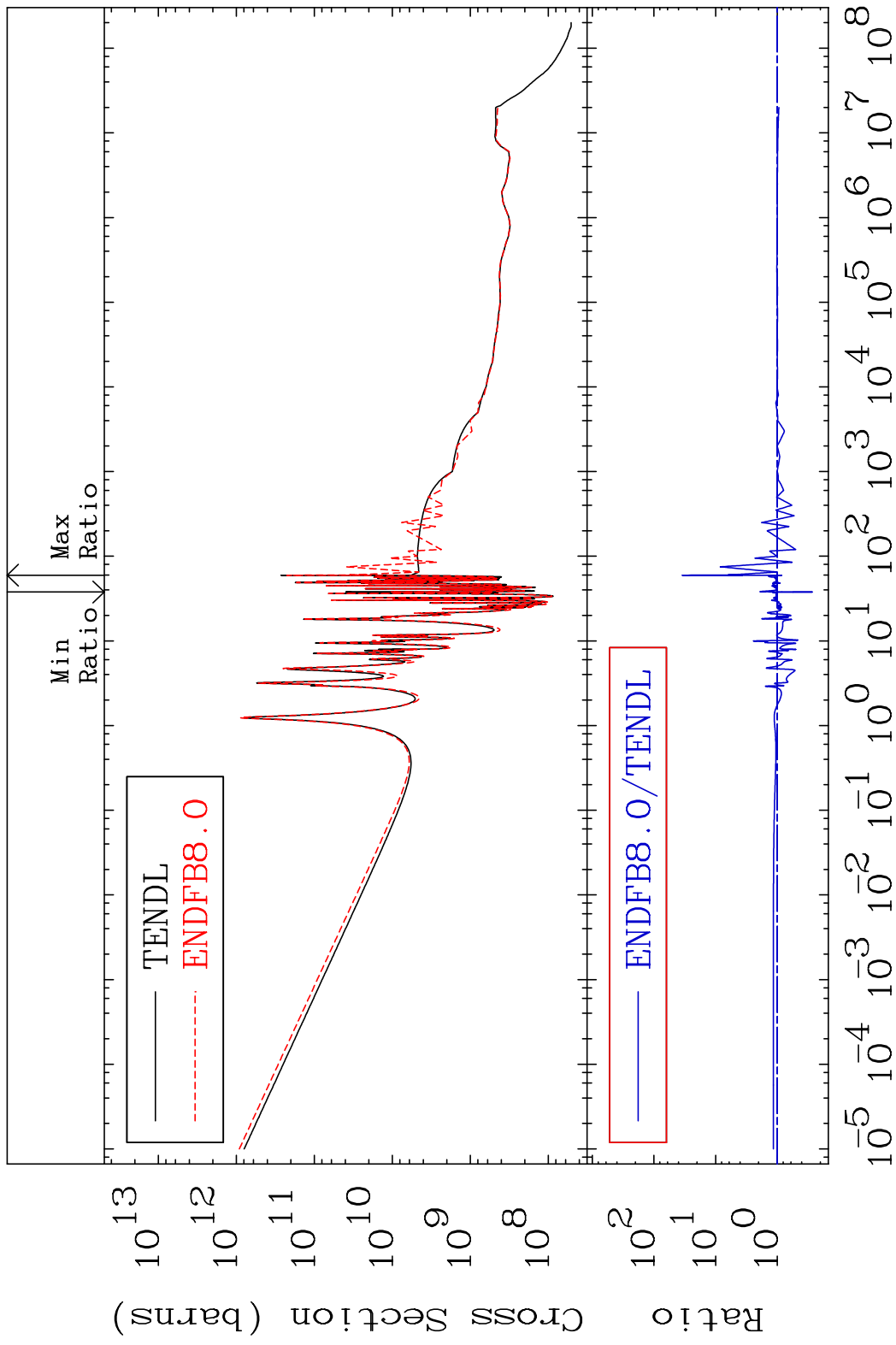
Incident Energy (eV) 96-Cm-247

MAT 9646 Total photon (eV-barns) 96-Cm-247
 Cross Section -65.04 To 9999. %

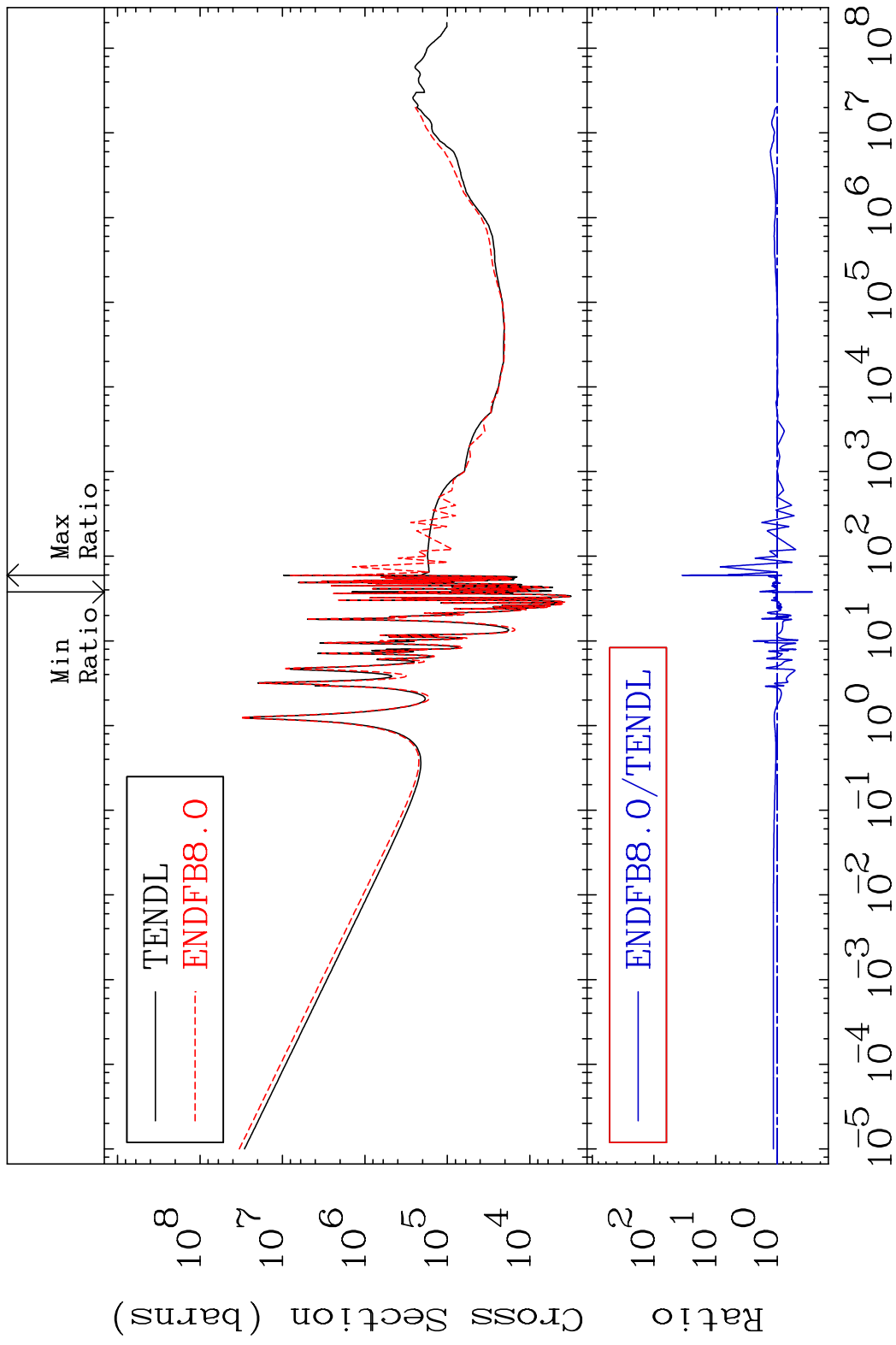


36 Incident Energy (eV) 96-Cm-247

MAT 9646 Total kinematic kerma (high limit) 96-Cm-247
 Cross Section -73.31 To 3359. %



MAT 9646 Dpa total (eV-barns) 96-Cm-247
 Cross Section -73.30 To 3360. %

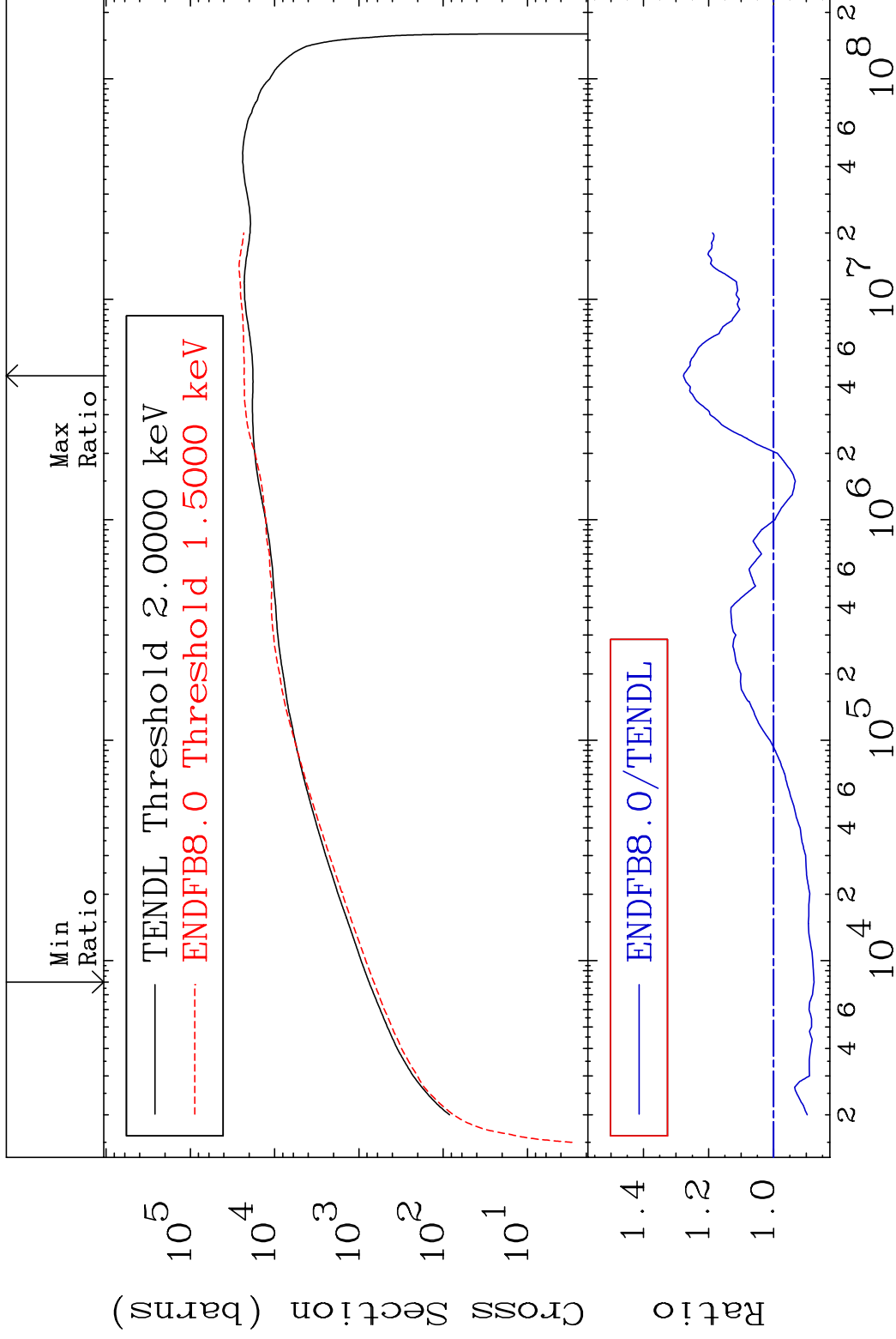


MAT 9646

Dpa elastic (mt2)

96-Cm-247

Cross Section -12.40 To 27.72 %

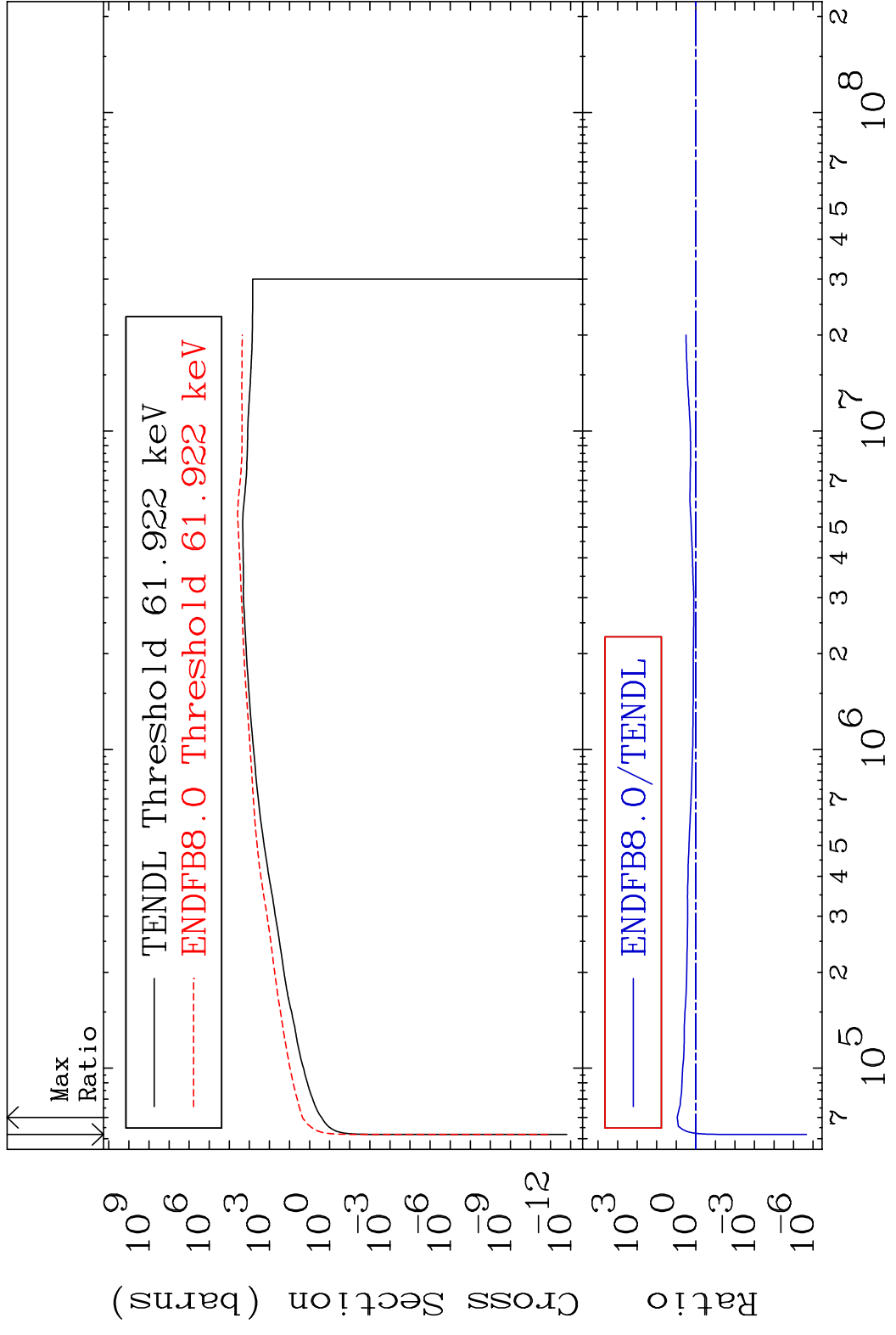


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Incident Energy (eV)

96-Cm-247

MAT 9646 Dpa inelastic (mt51-91) 96-Cm-247
 Cross Section -100.0 To 796.1 %



40 Incident Energy (eV) 96-Cm-247

MAT 9646 Dpa disappearance (mt102 -120) 96-Cm-247
 Cross Section -100.0 To 9999. %

