

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

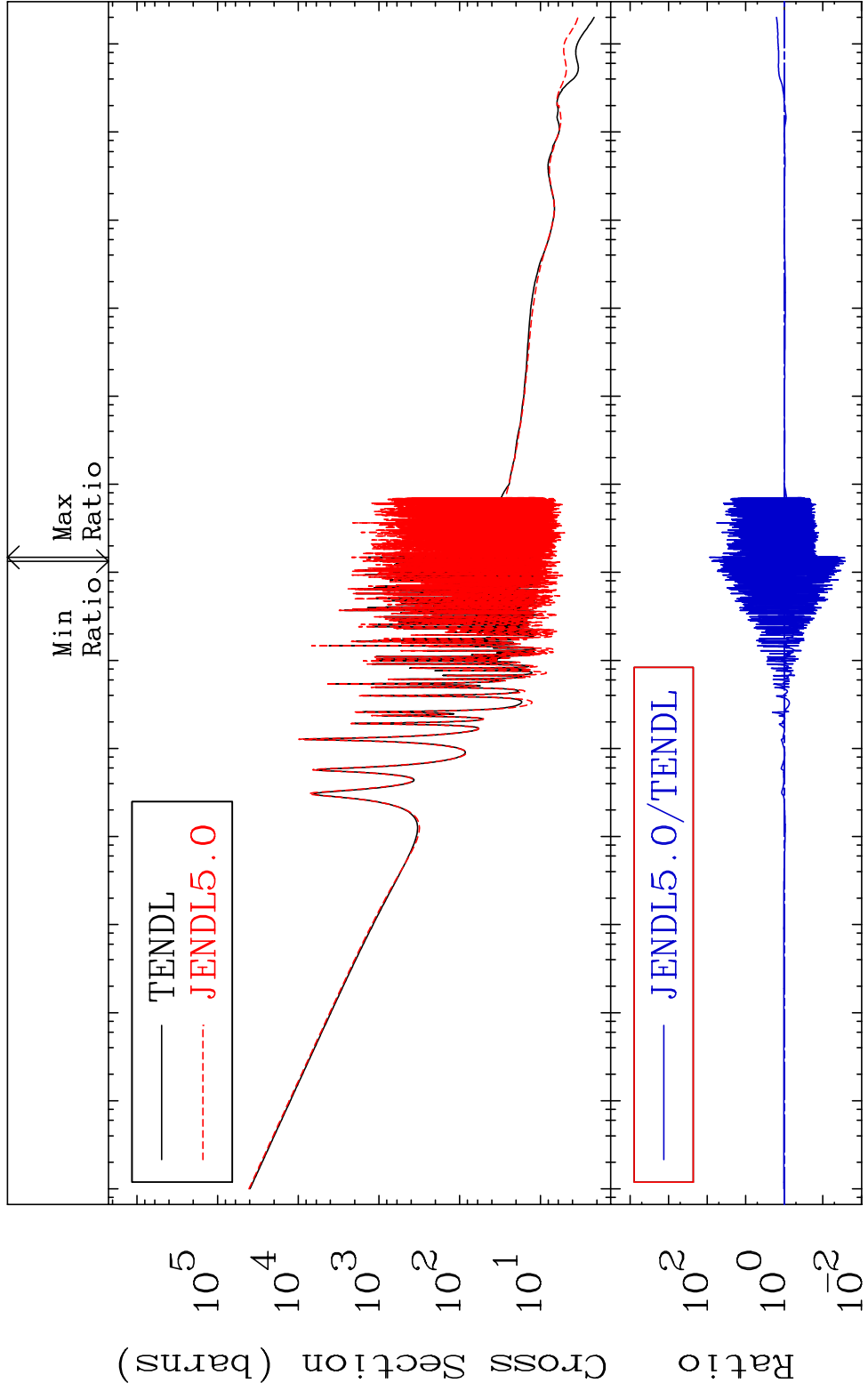
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 9543

Total Cross Section -97.37 To 8456. %
95-Am-241



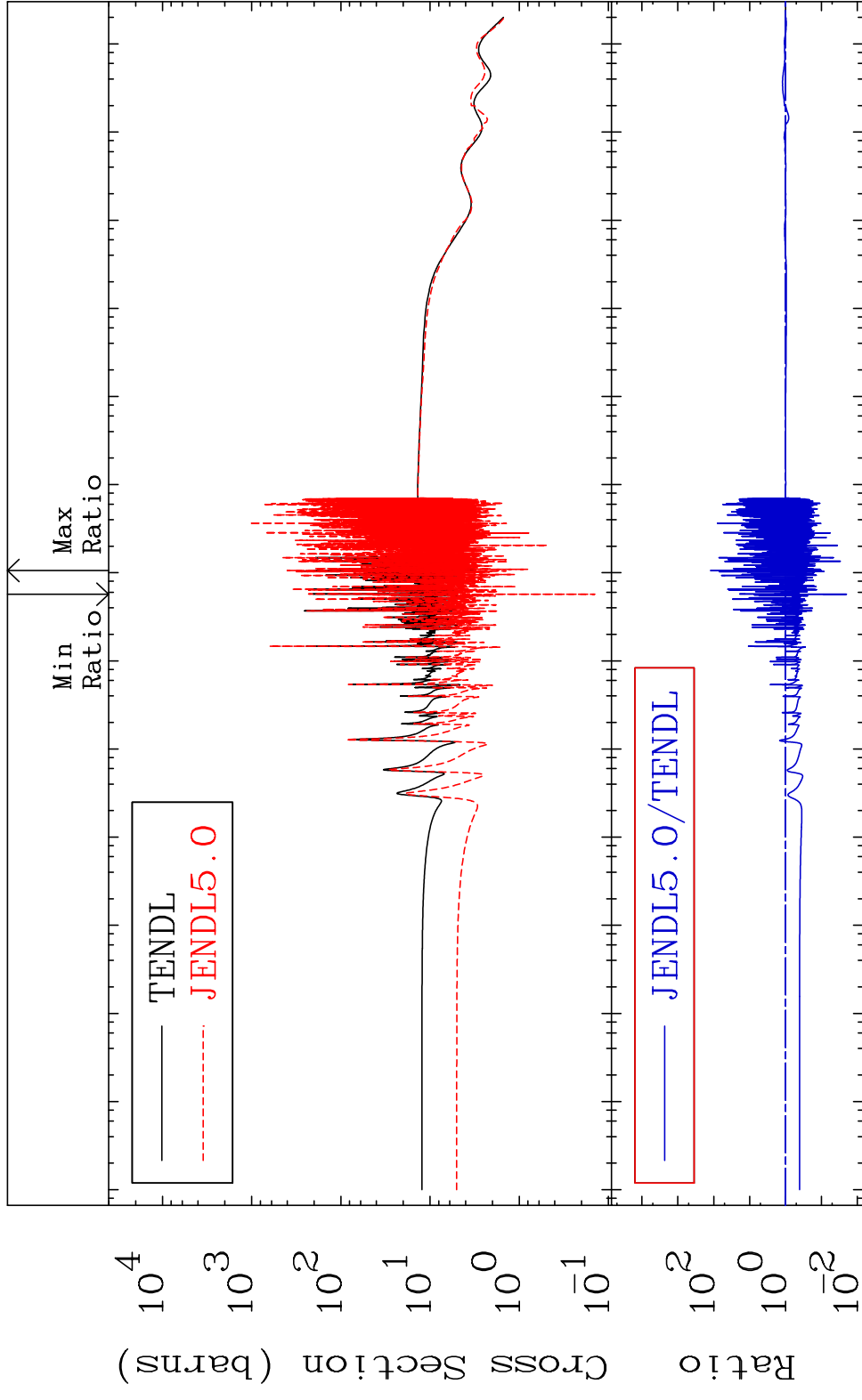
1 Incident Energy (eV) 95-Am-241

MAT 9543

Elastic

95-Am-241

Cross Section -97.97 To 9999. %

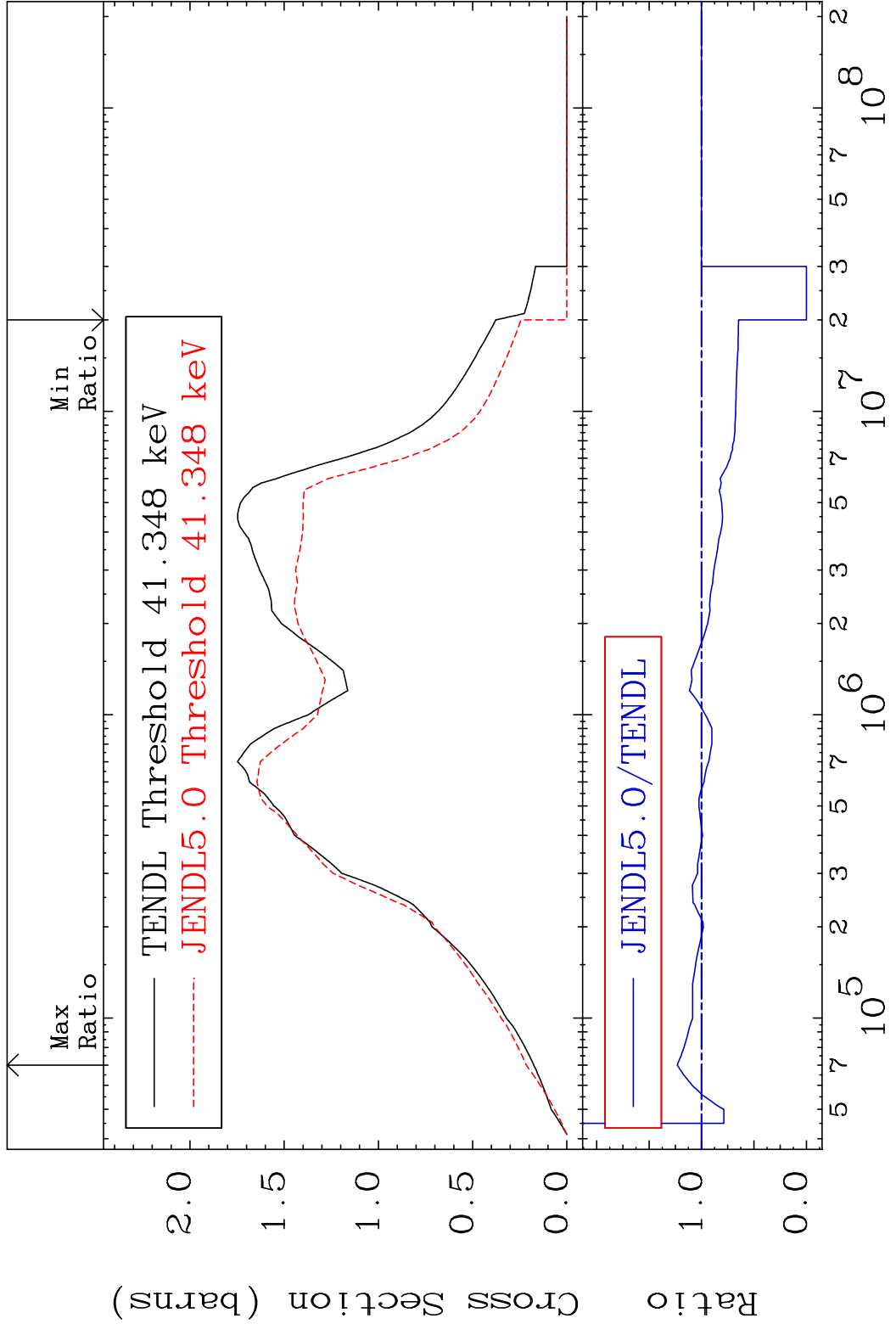


2

Incident Energy (eV)

95-Am-241

MAT 9543 Inelastic 95-Am-241
 Cross Section -100.0 To 23.21 %

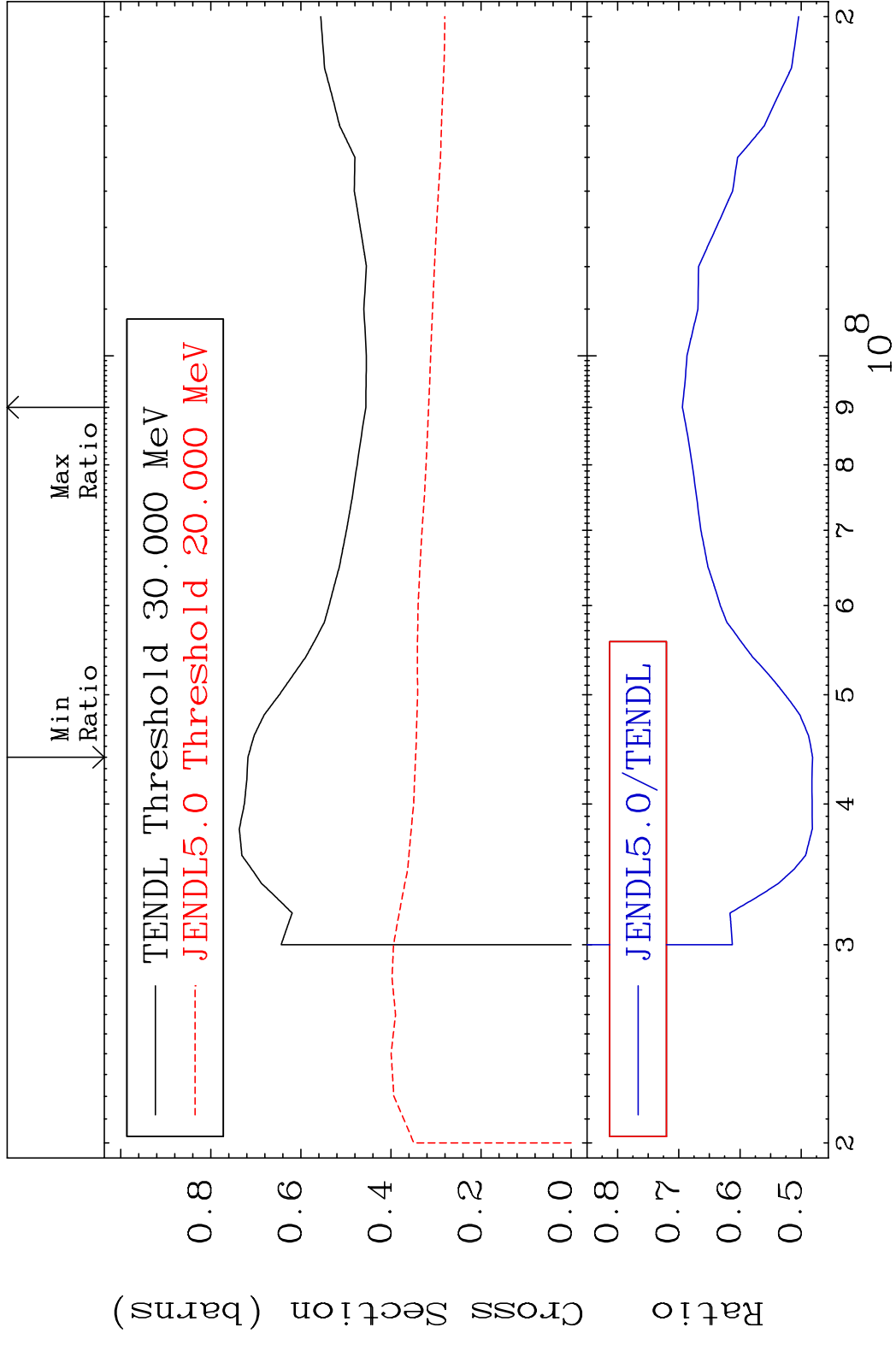


MAT 9543

(n, remainder)

95-Am-241

Cross Section -51.85 To -30.59%

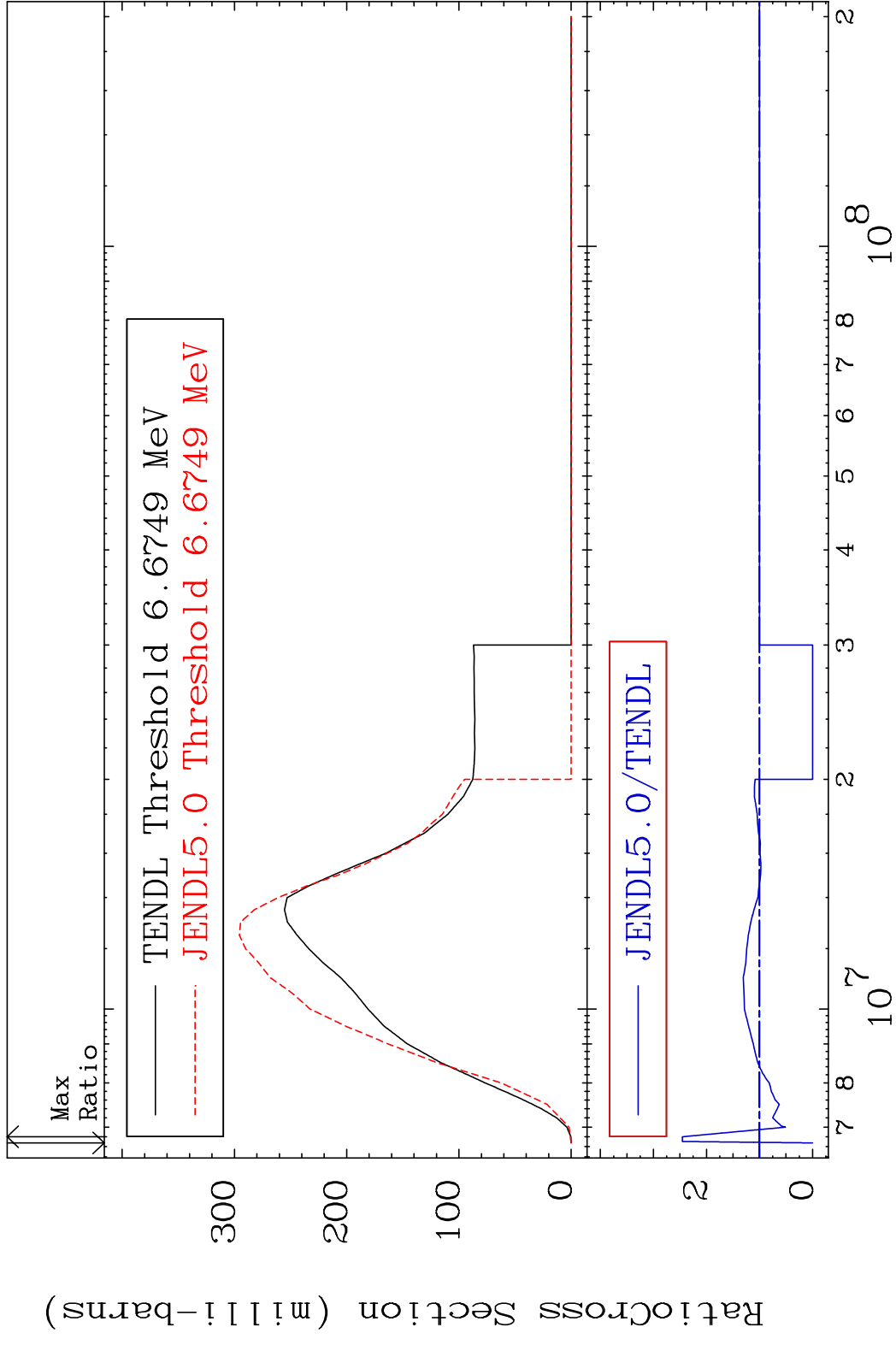


4

Incident Energy (eV)

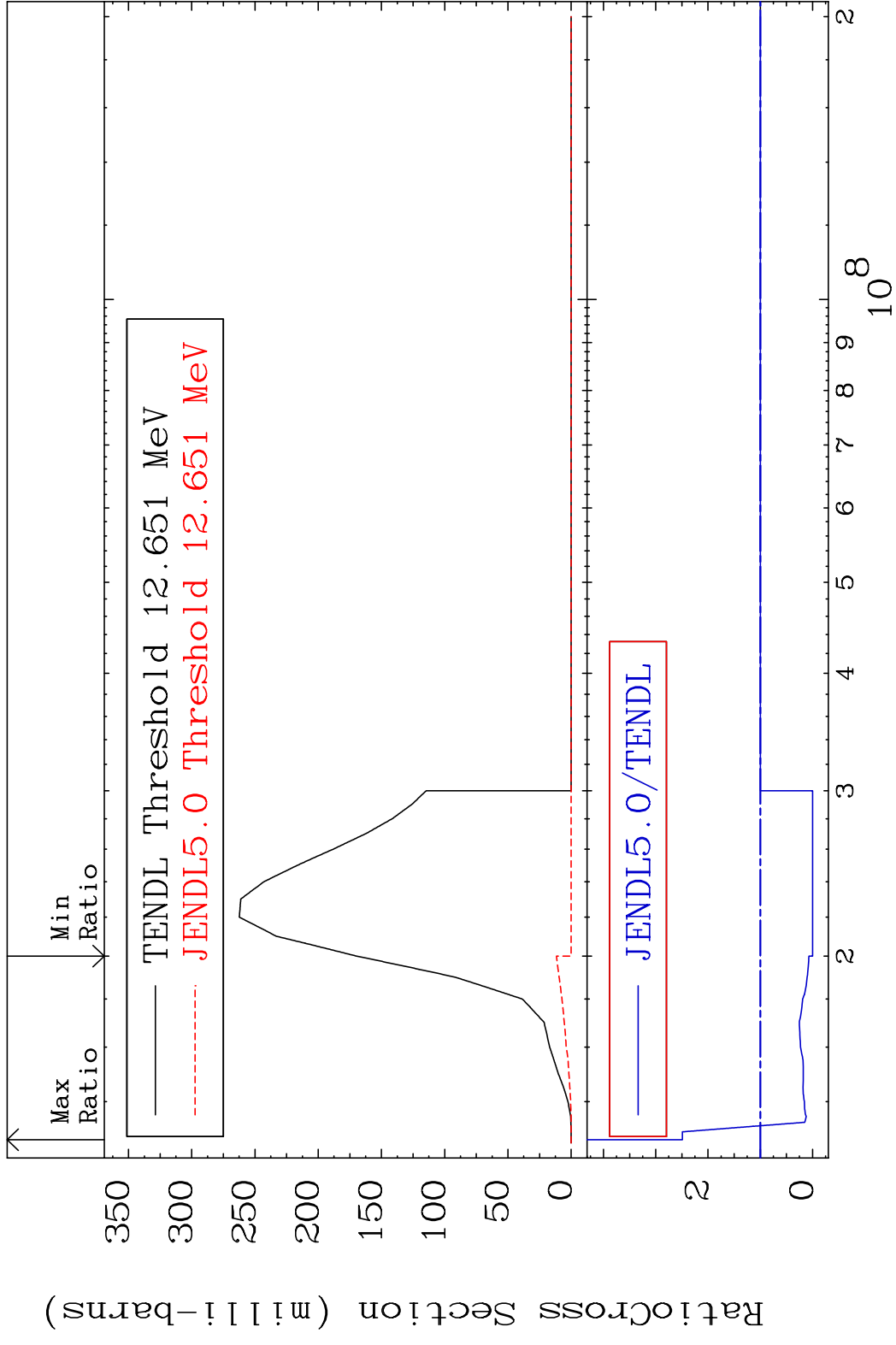
95-Am-241

MAT 9543 (n,2n) 95-Am-241
 Cross Section -100.0 To 145.5 %



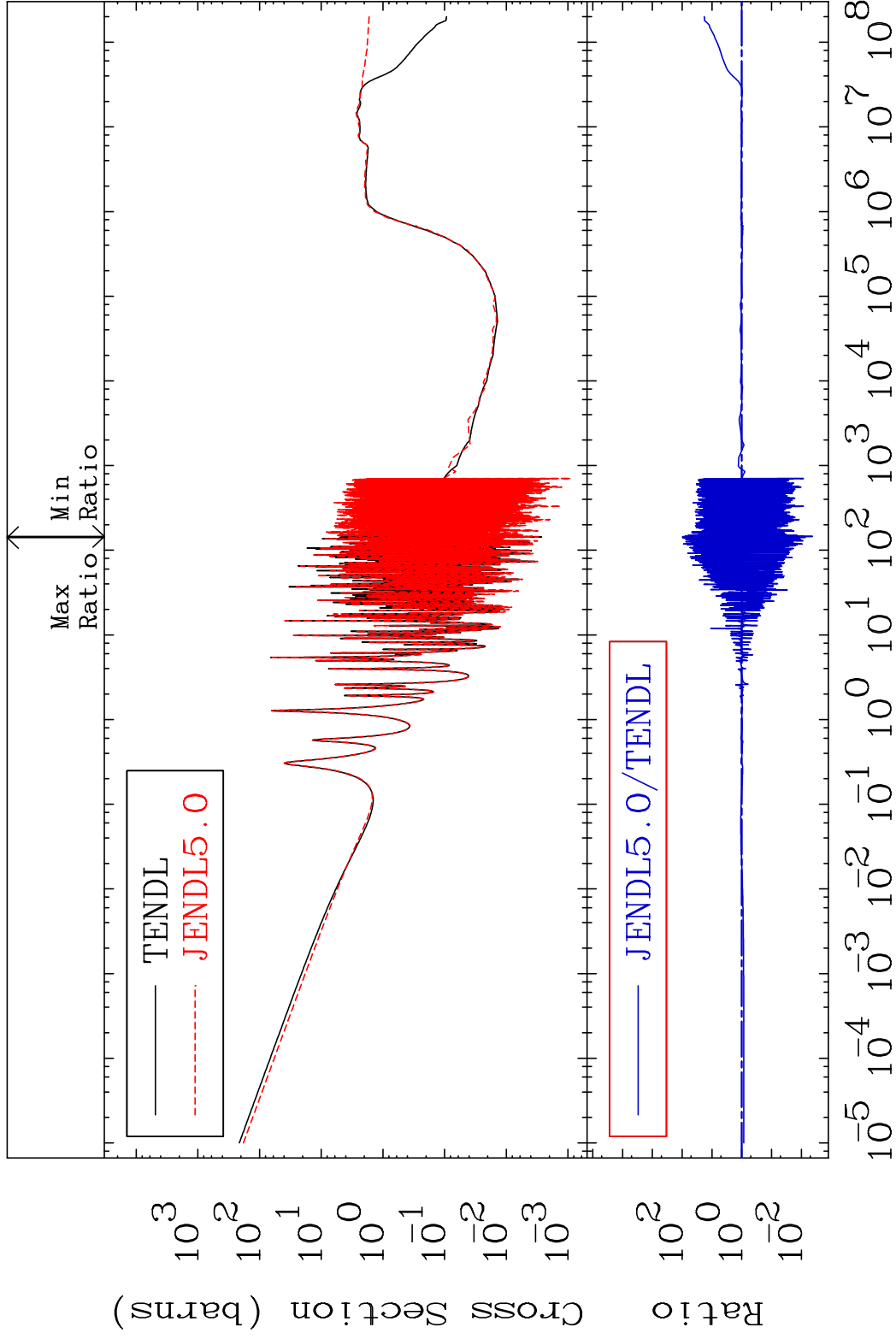
5 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 95-Am-241

MAT 9543 (n,3n) 95-Am-241
 Cross Section -100.0 To 149.1 %



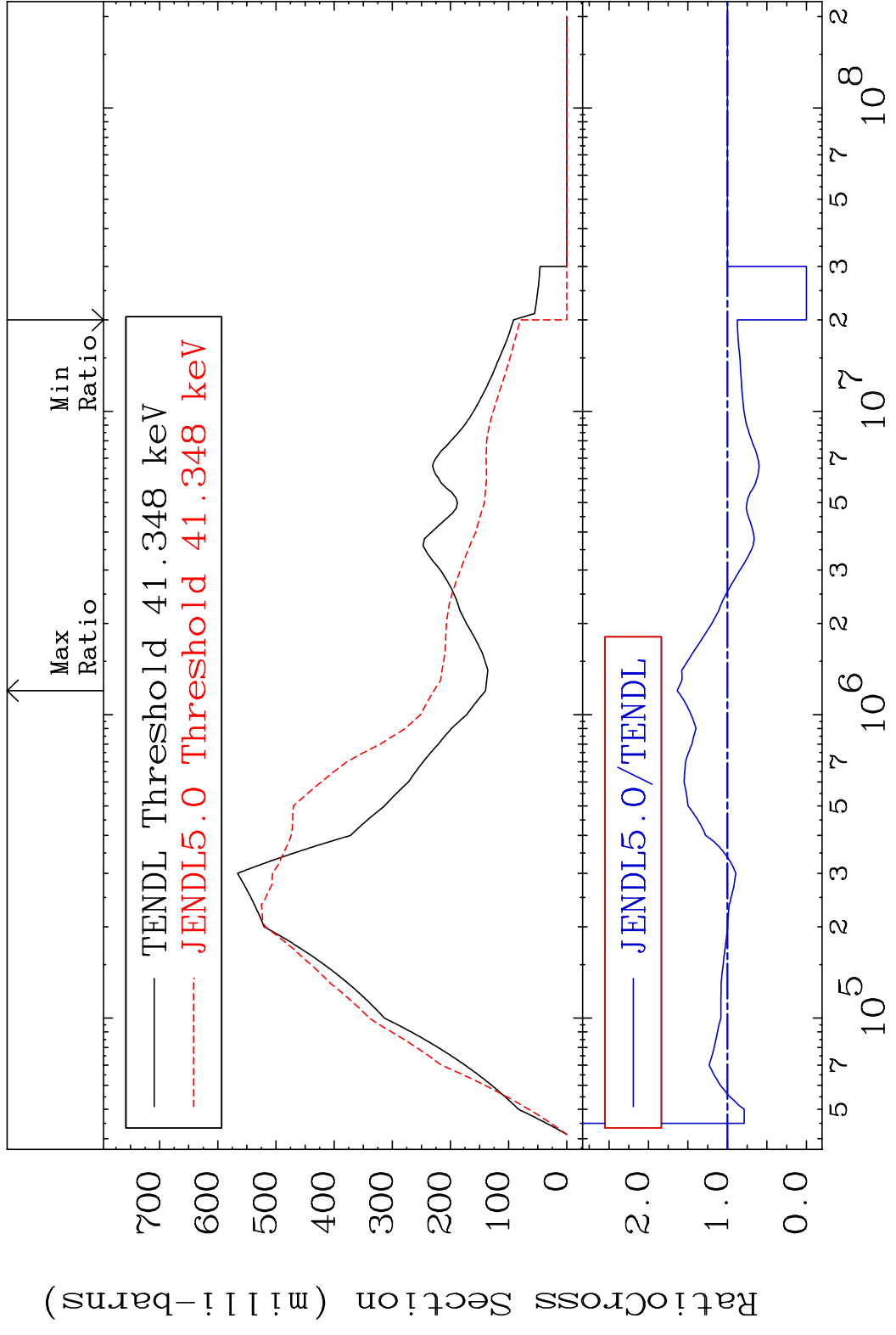
MAT 9543

Fission Cross Section -99.58 To 9753. %
95-Am-241

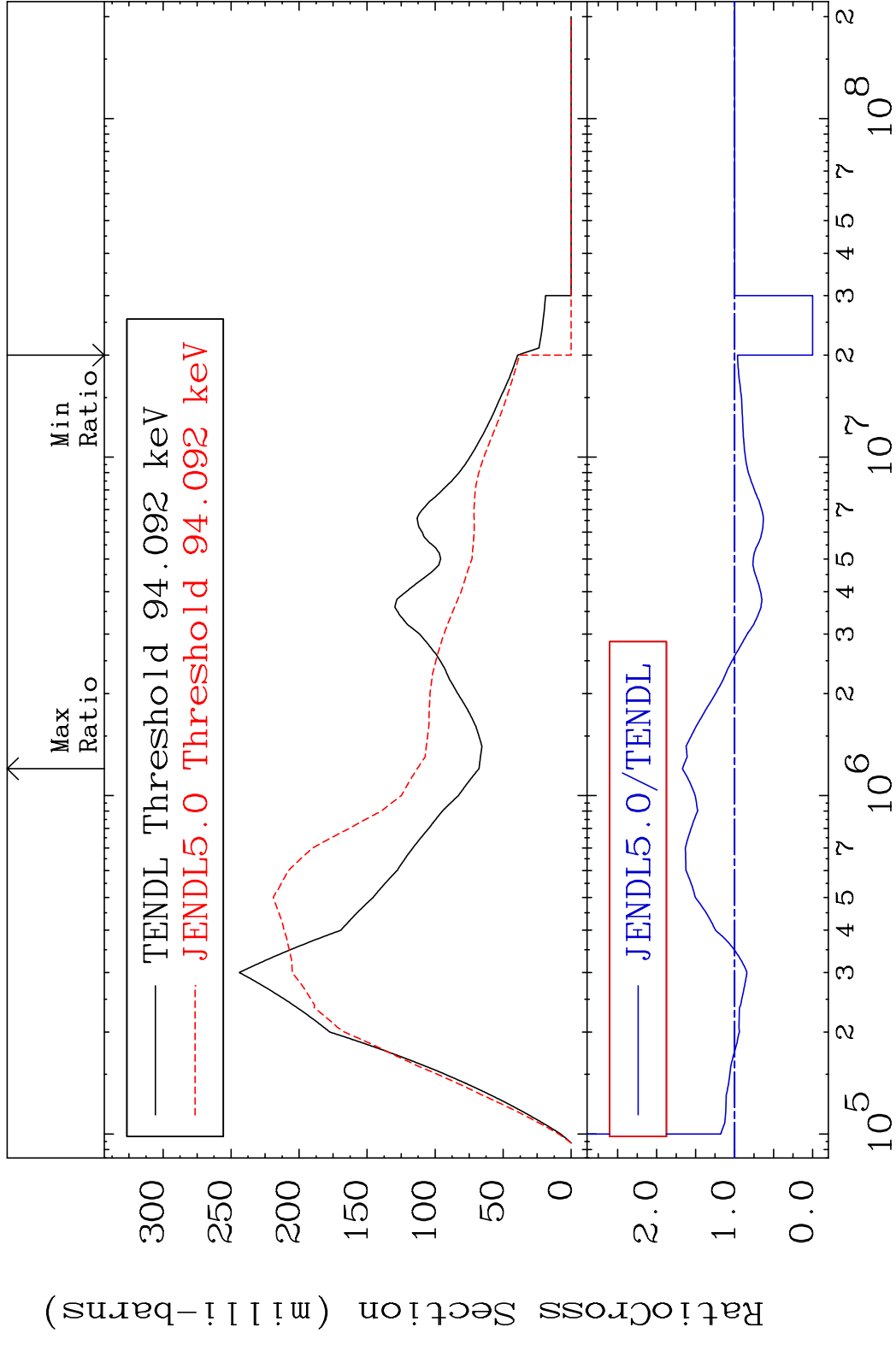


7 95-Am-241

MAT 9543 MT= 51 (n, n') Level 95-Am-241
 Cross Section -100.0 To 63.64 %

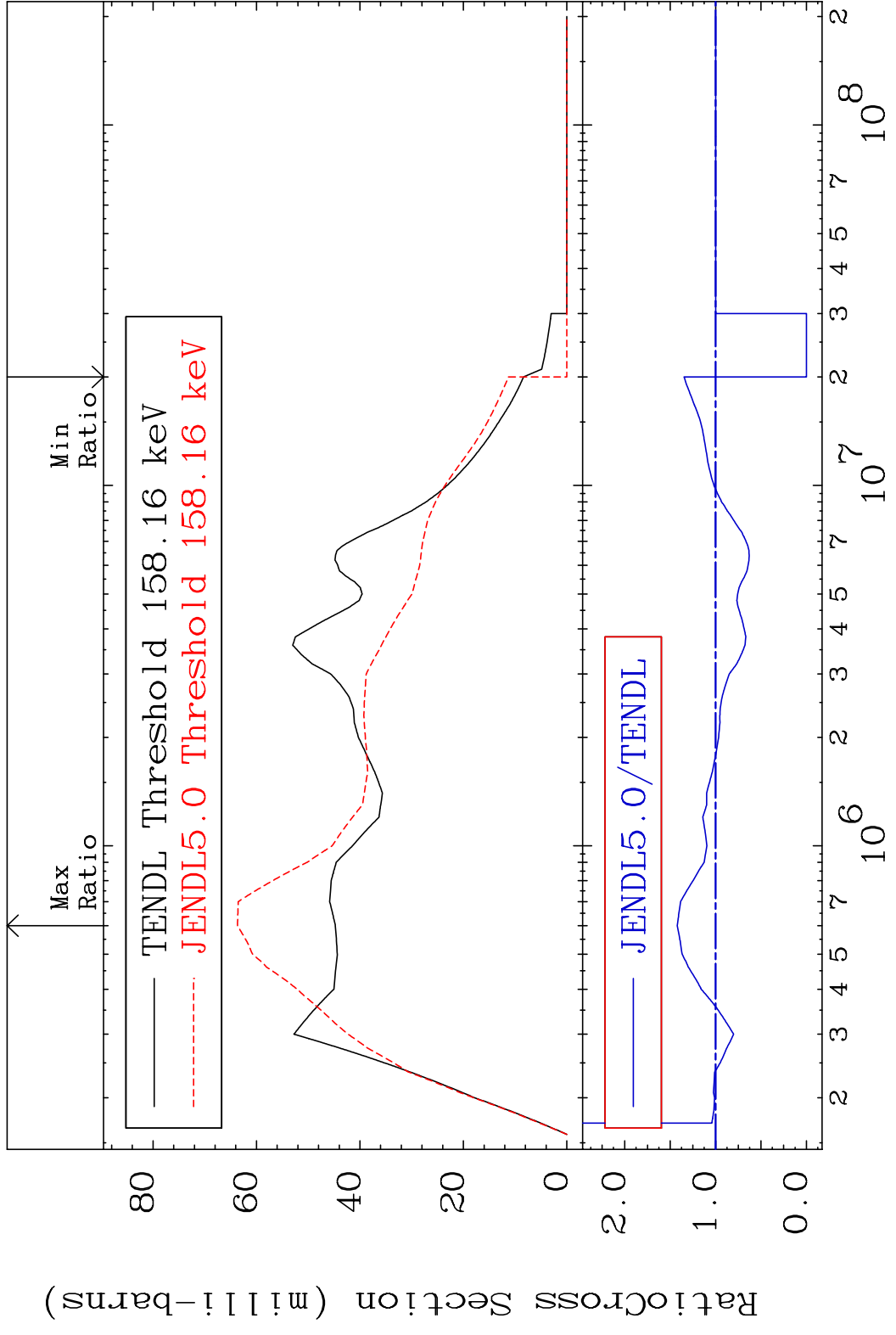


MAT 9543 MT= 52 (n, n') Level 95-Am-241
 Cross Section -100.0 To 67.02 %



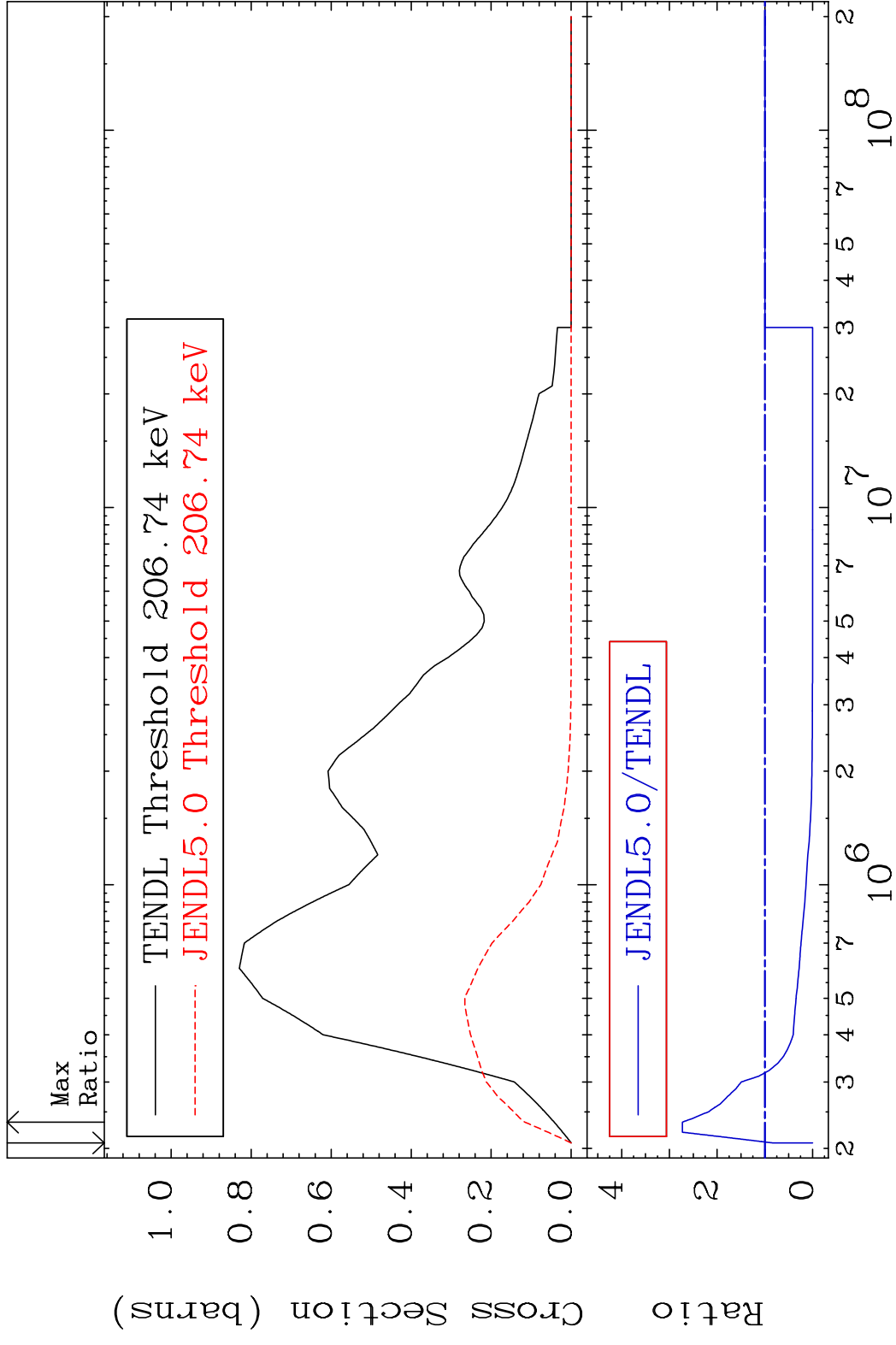
9 Incident Energy (eV) 95-Am-241

MAT 9543 MT= 53 (n, n') Level 95-Am-241
 Cross Section -100.0 To 42.28 %

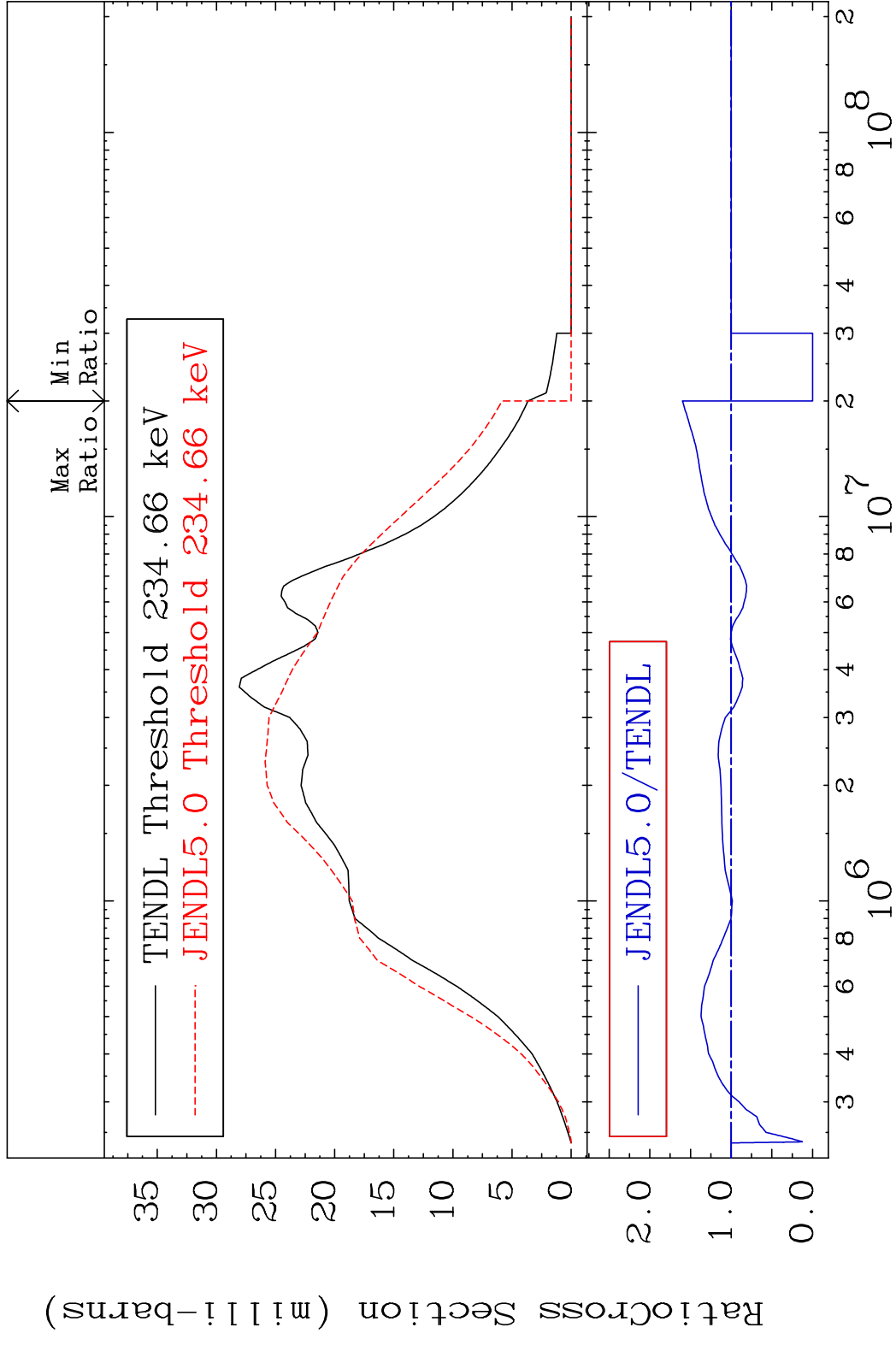


10 Incident Energy (eV) 95-Am-241

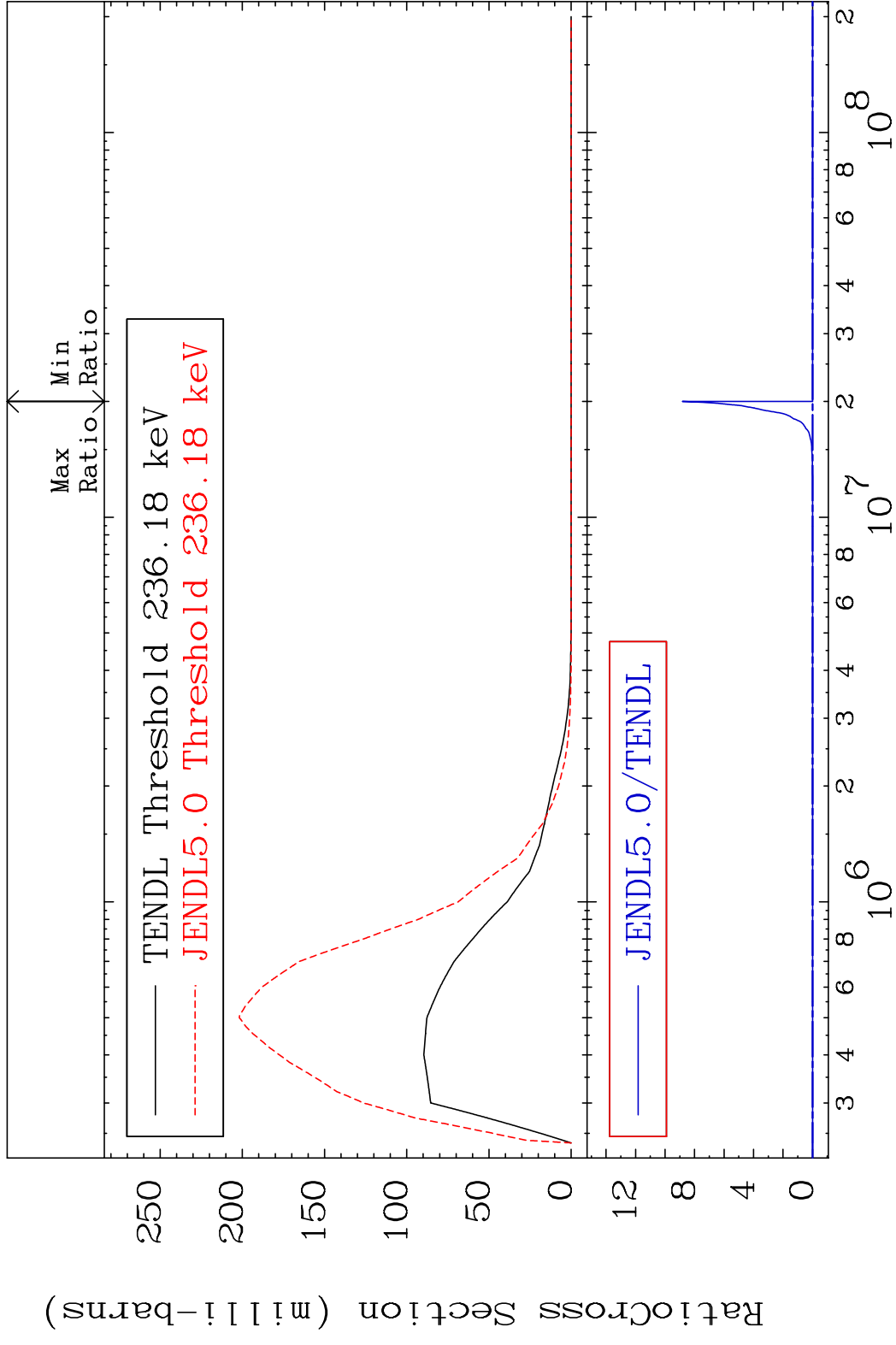
MAT 9543 MT= 54 (n, n') Level 95-Am-241
 Cross Section -100.0 To 172.8 %



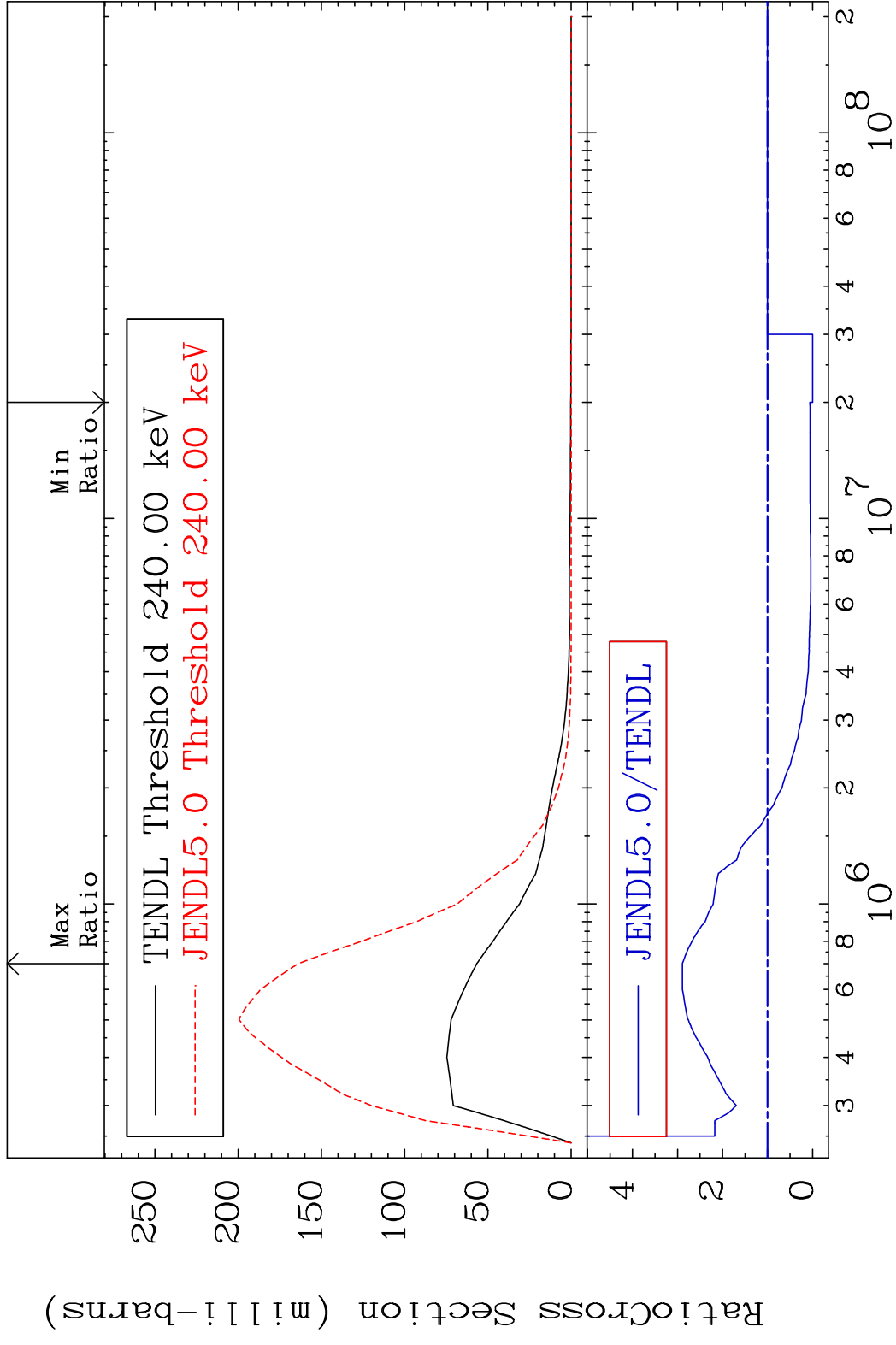
MAT 9543 MT= 55 (n, n') Level 95-Am-241
 Cross Section -100.0 To 60.04 %



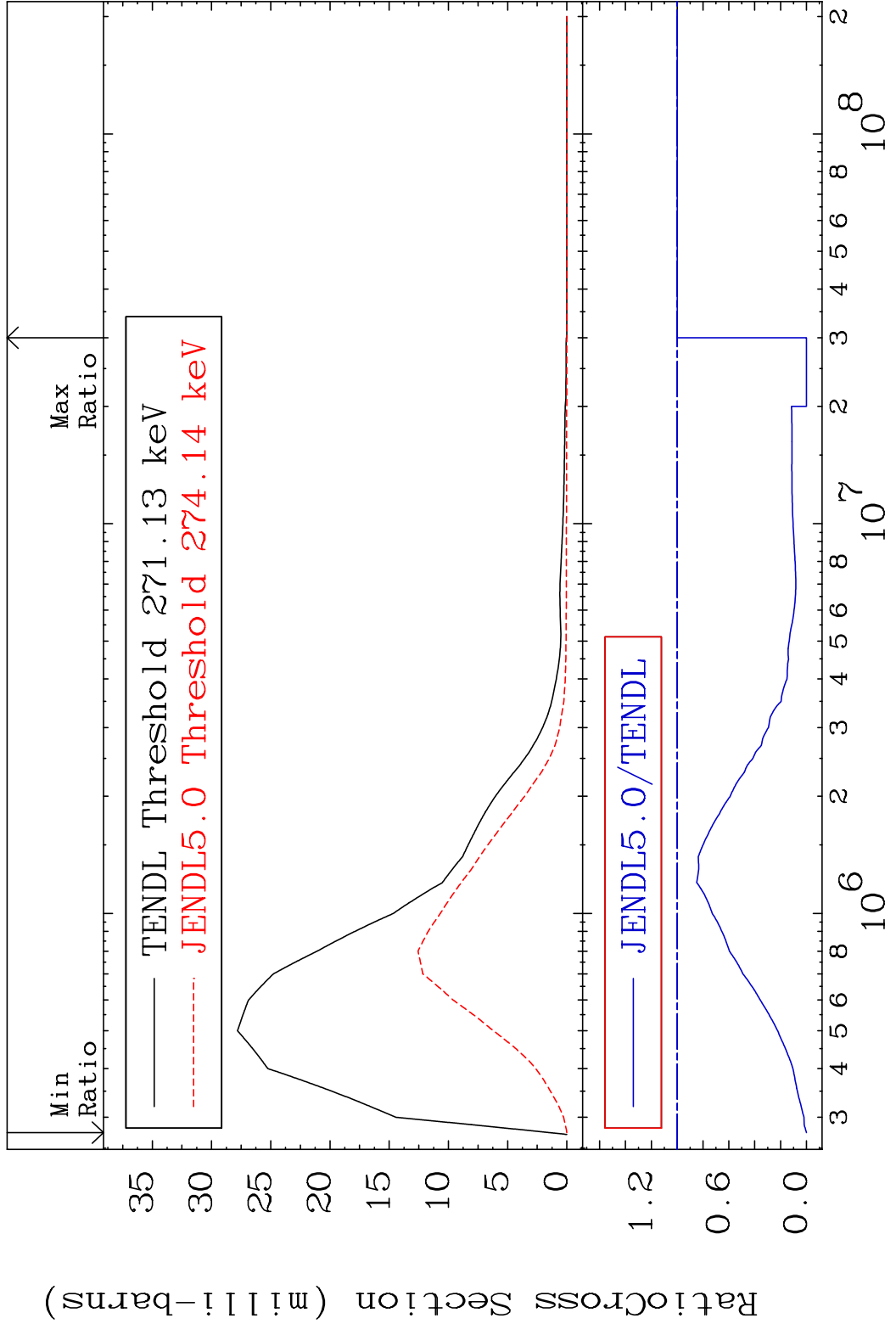
MAT 9543 MT= 56 (n,n') Level 95-Am-241
 Cross Section -100.0 To 9999. %



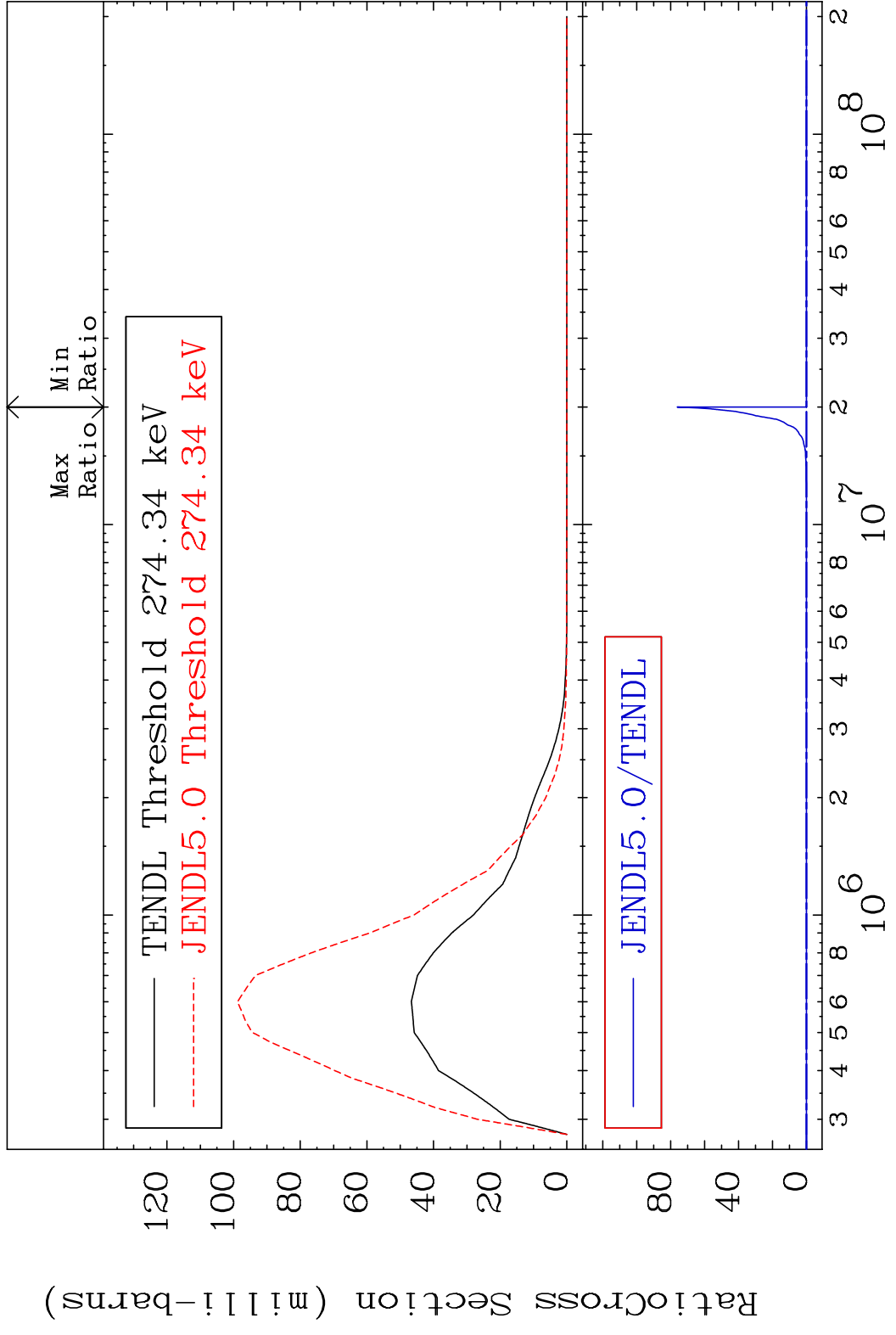
MAT 9543 MT= 57 (n, n') Level 95-Am-241
 Cross Section -100.0 To 189.3 %



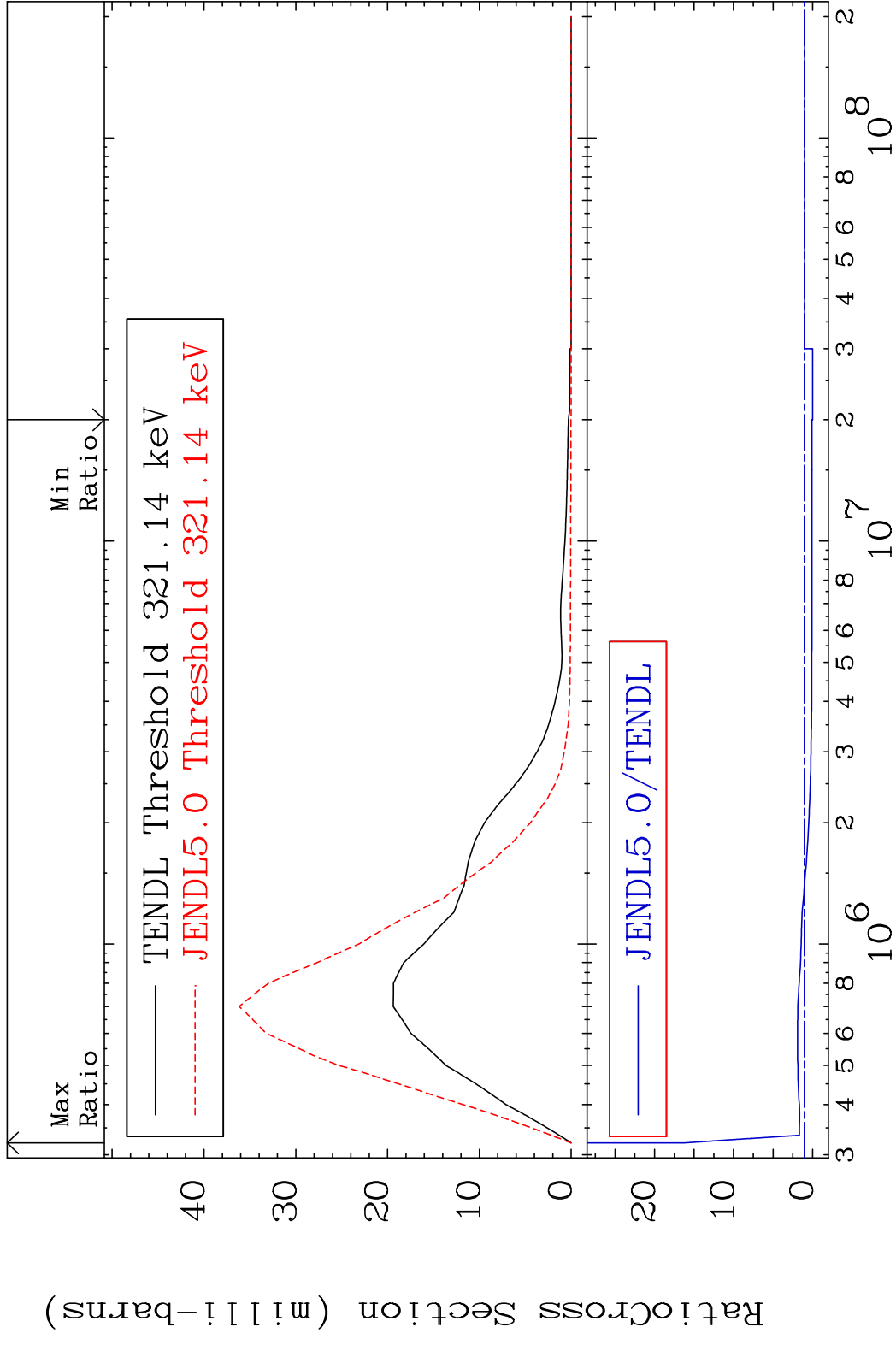
MAT 9543 MT= 58 (n,n') Level 95-Am-241
 Cross Section -100.0 To 0.000 %



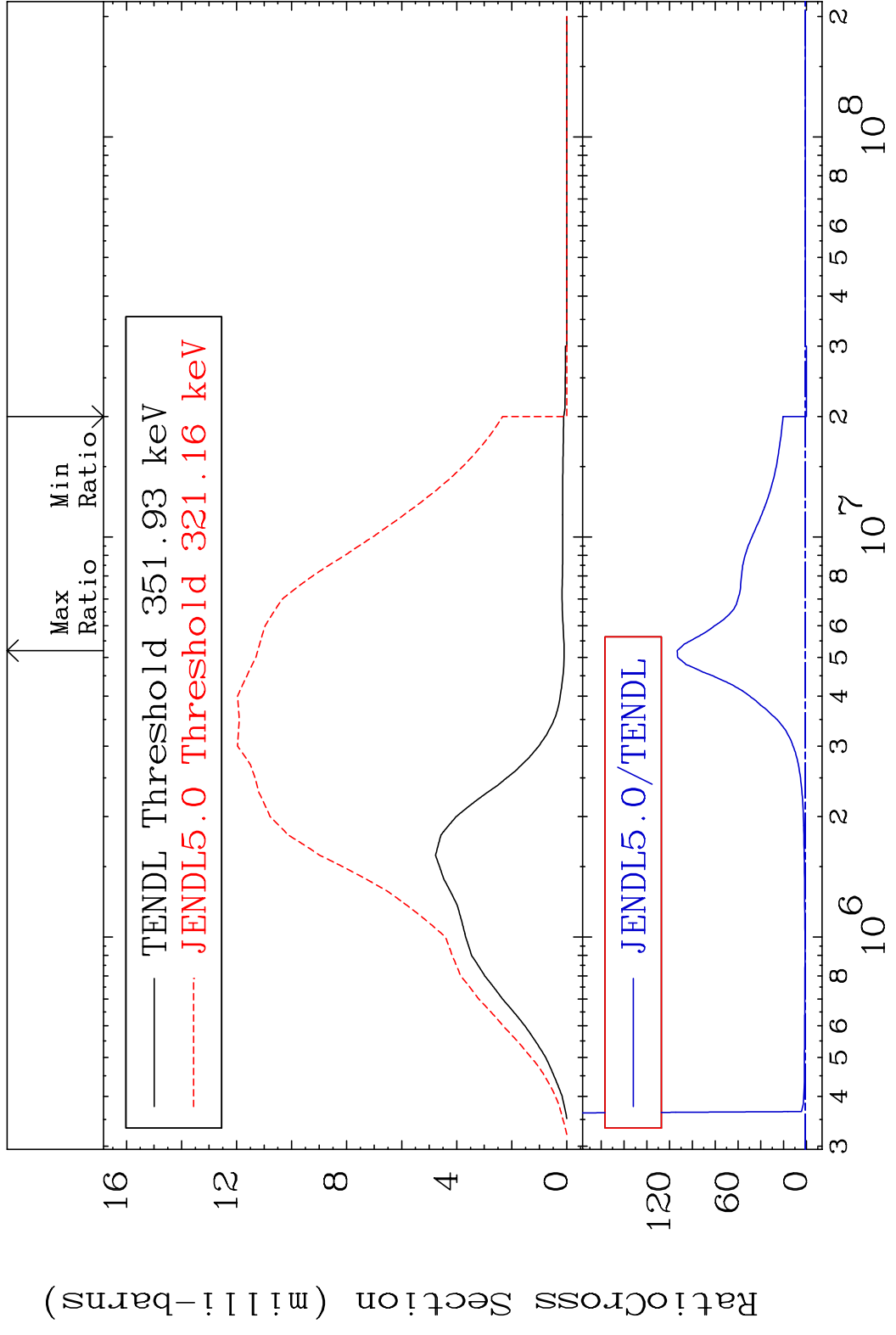
MAT 9543 MT= 59 (n, n') Level 95-Am-241
 Cross Section -100.0 To 9999. %



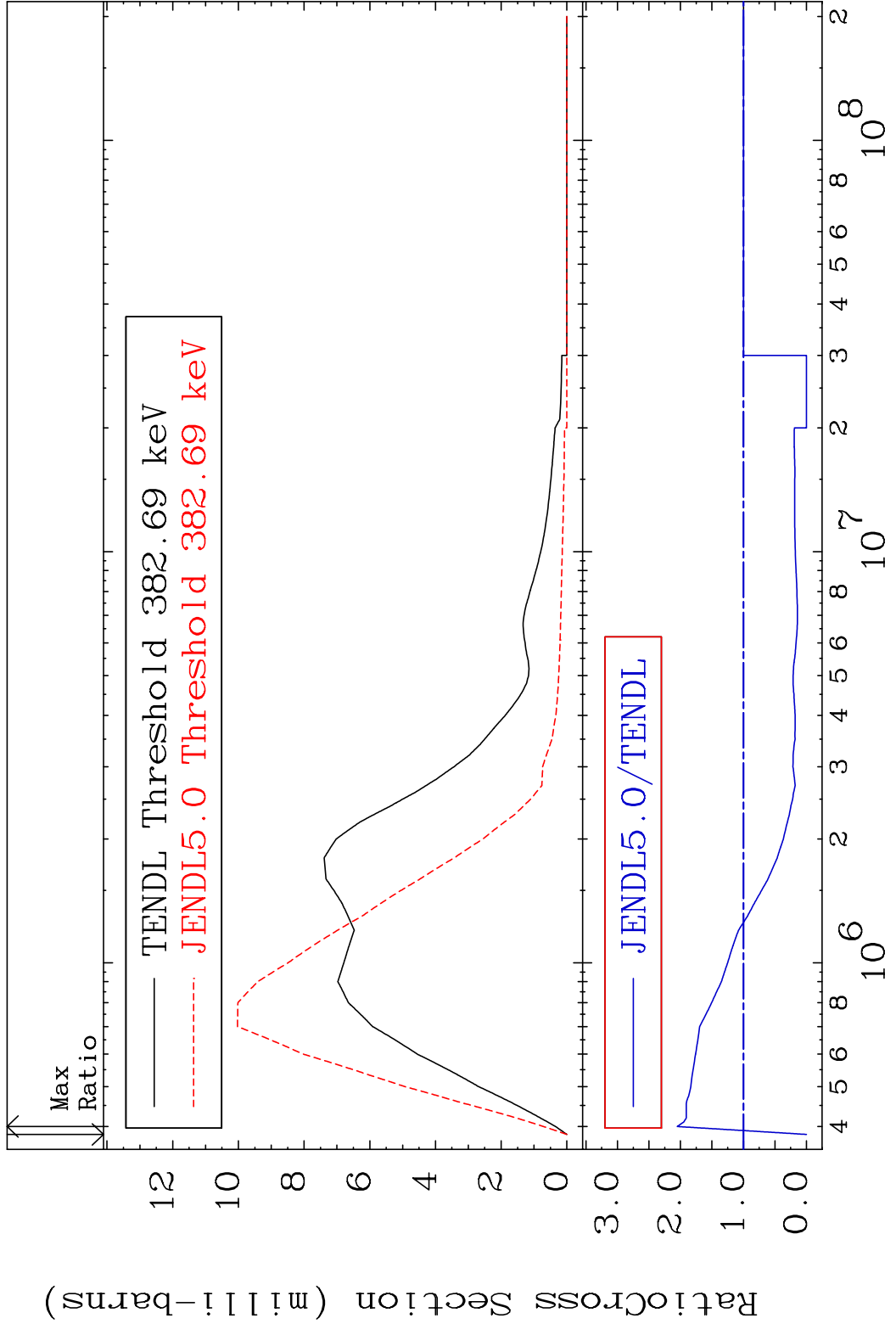
MAT 9543 MT= 60 (n, n') Level 95-Am-241
 Cross Section -100.0 To 1548. %



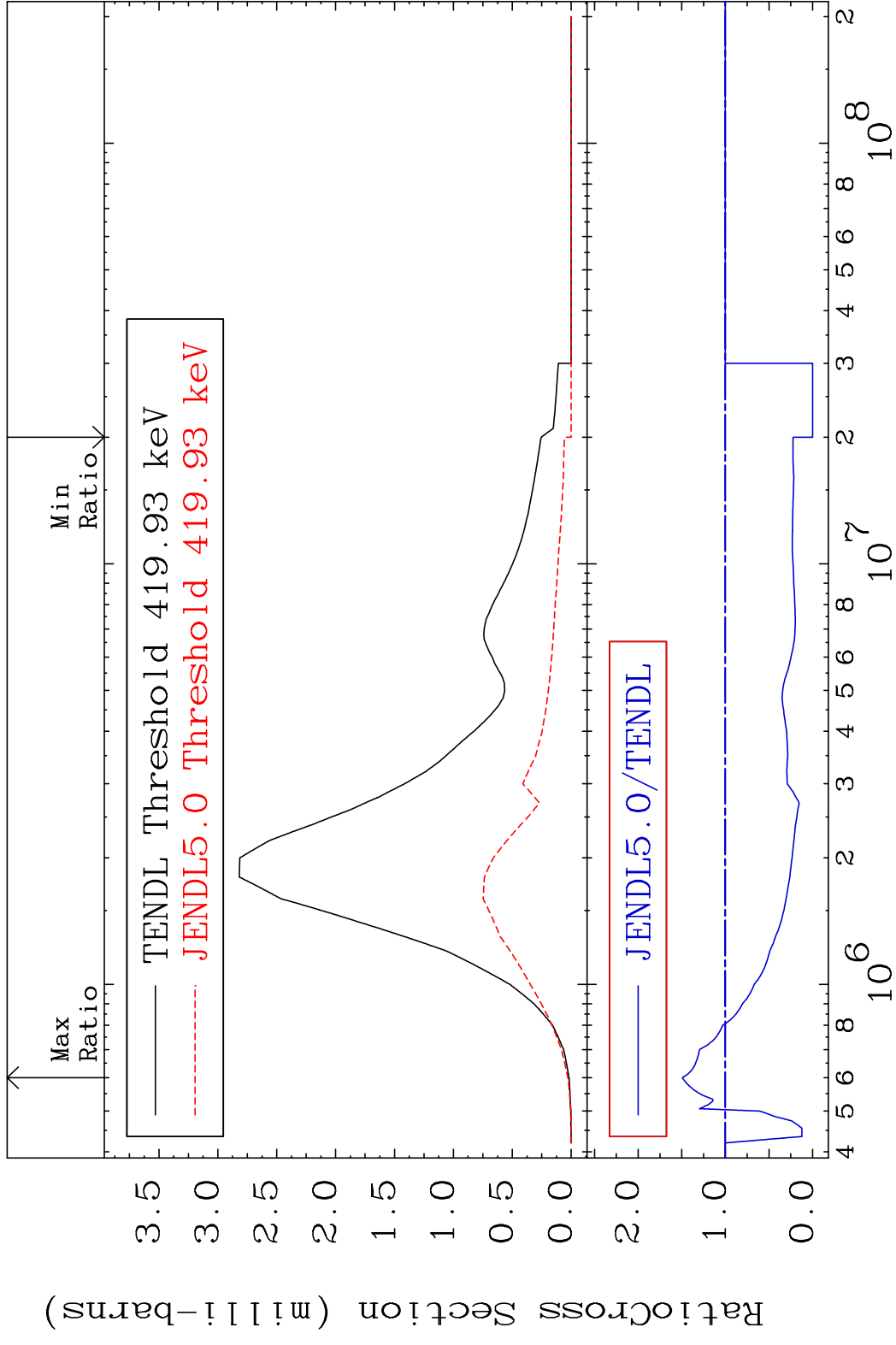
MAT 9543 MT= 61 (n, n') Level 95-Am-241
 Cross Section -100.0 To 9999. %



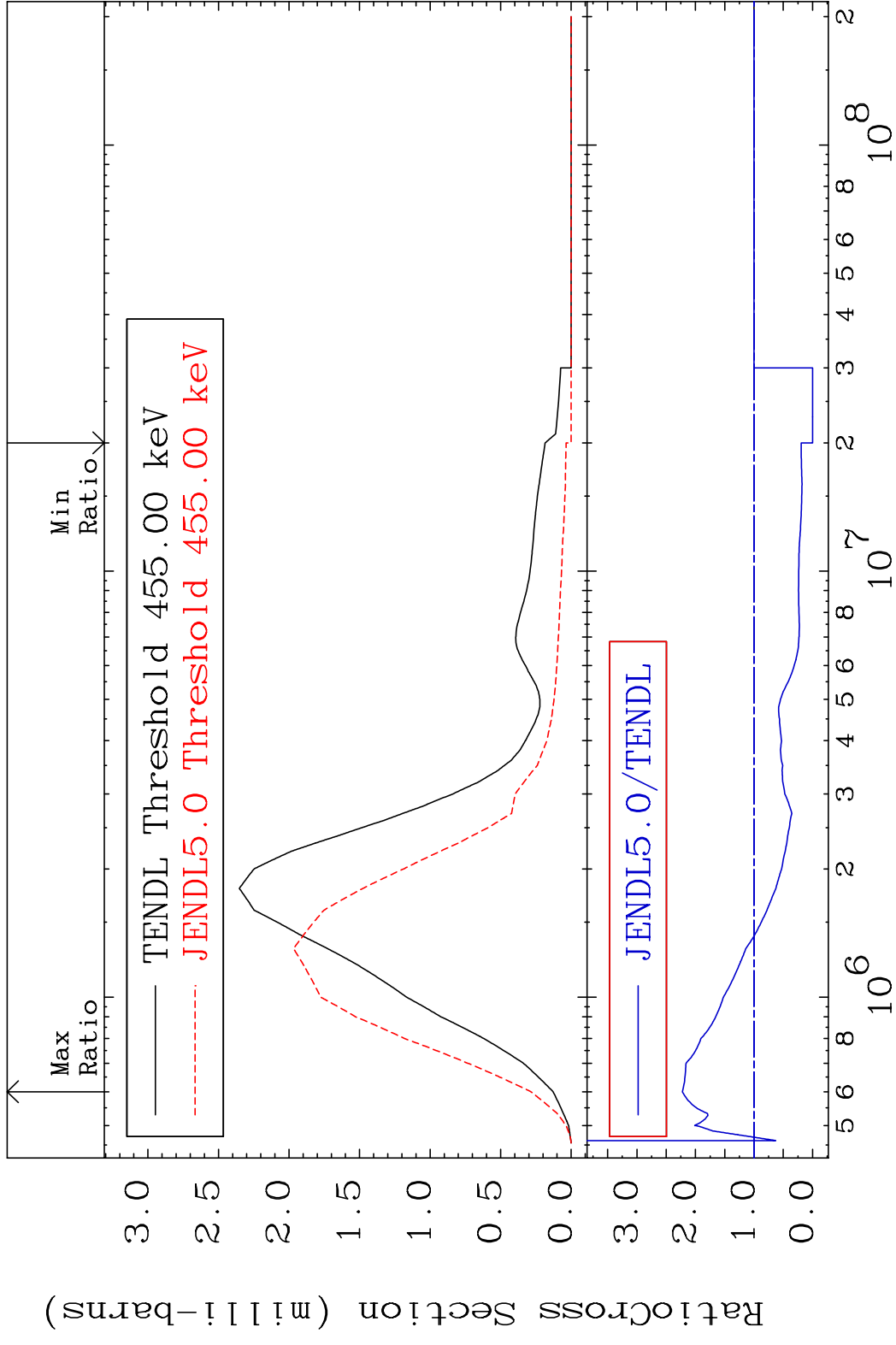
MAT 9543 MT= 62 (n, n') Level 95-Am-241
 Cross Section -100.0 To 105.2 %



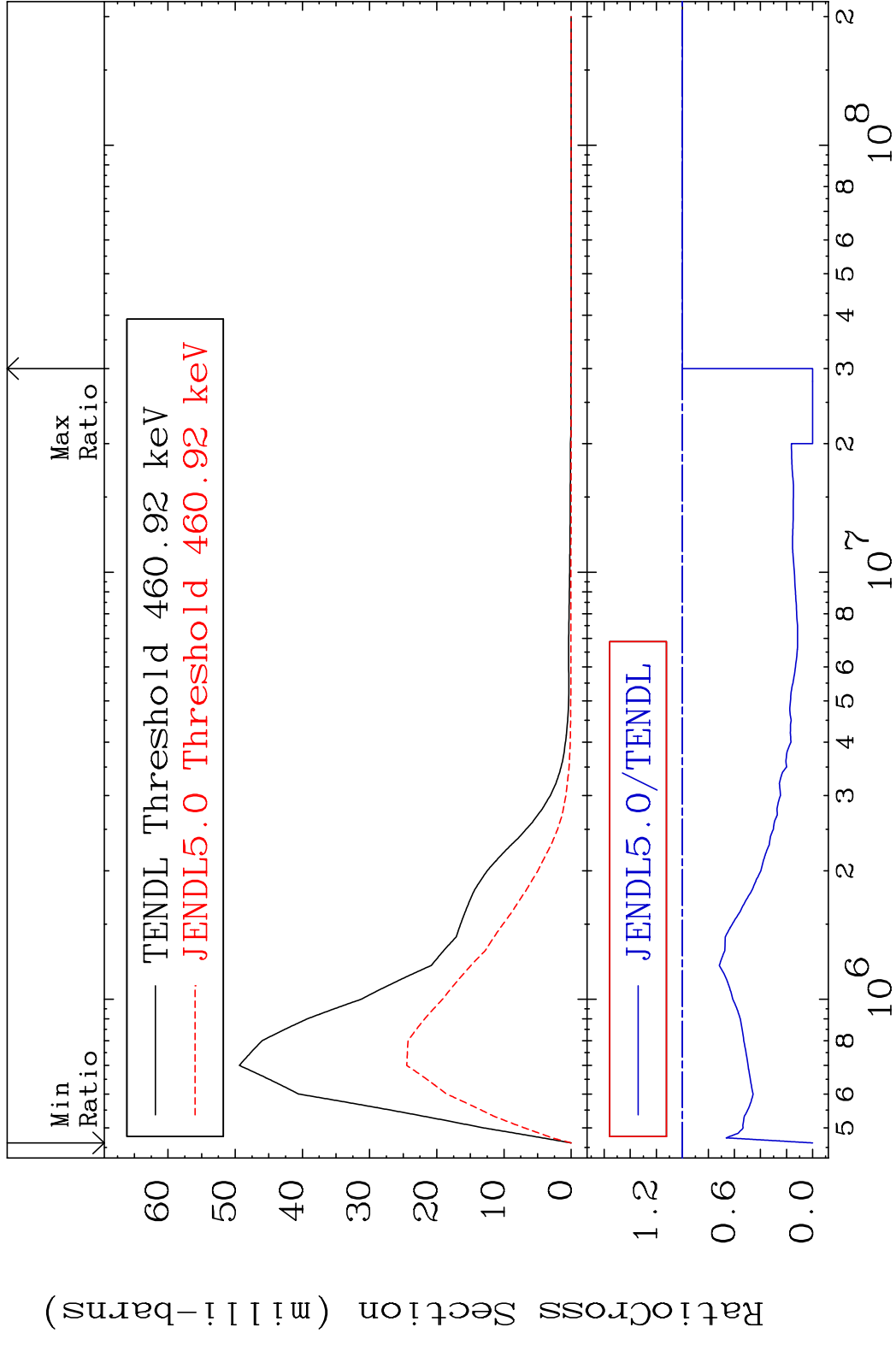
MAT 9543 MT= 63 (n, n') Level 95-Am-241
 Cross Section -100.0 To 49.31 %



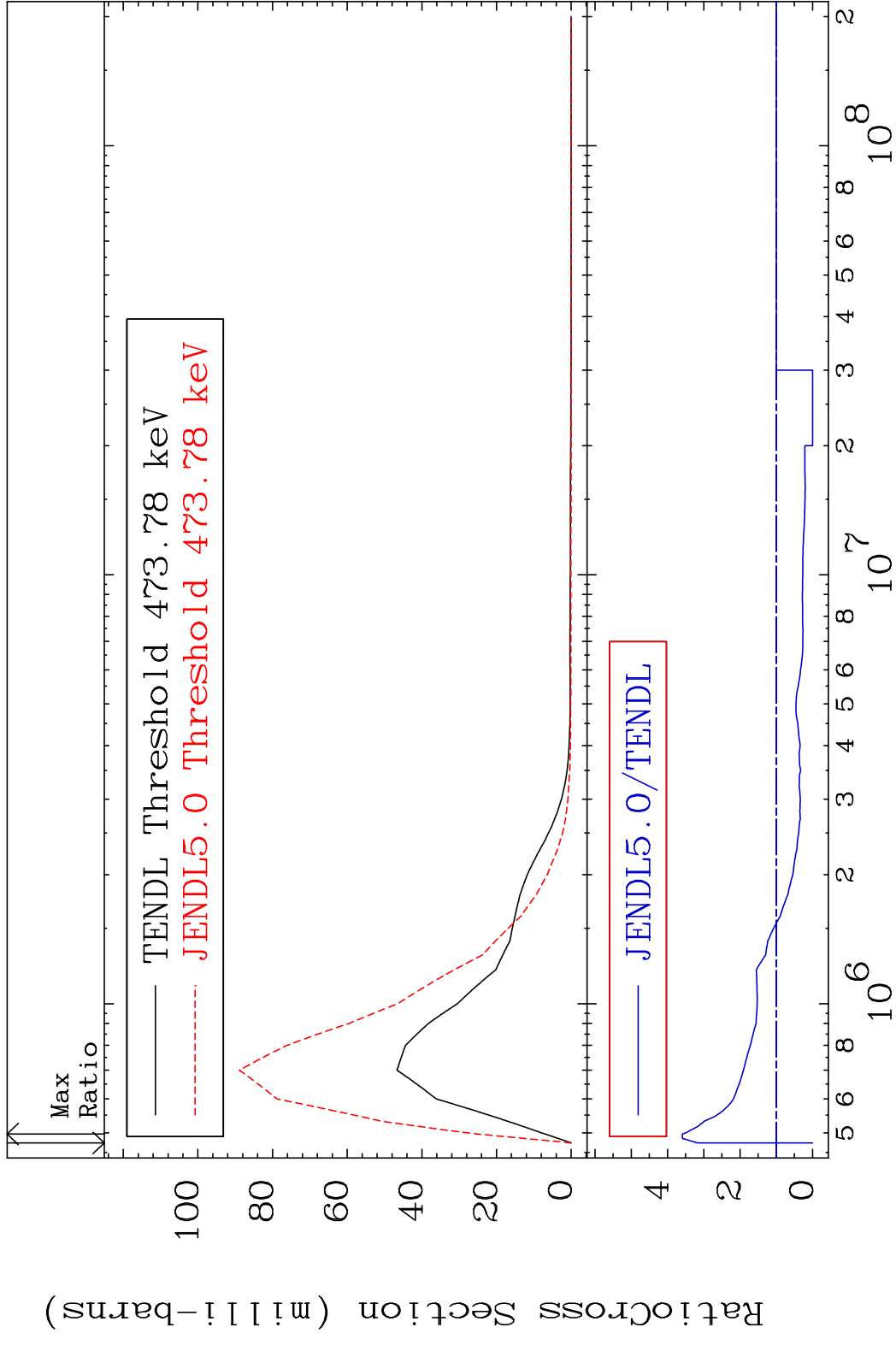
MAT 9543 MT= 64 (n, n') Level 95-Am-241
 Cross Section -100.0 To 122.4 %



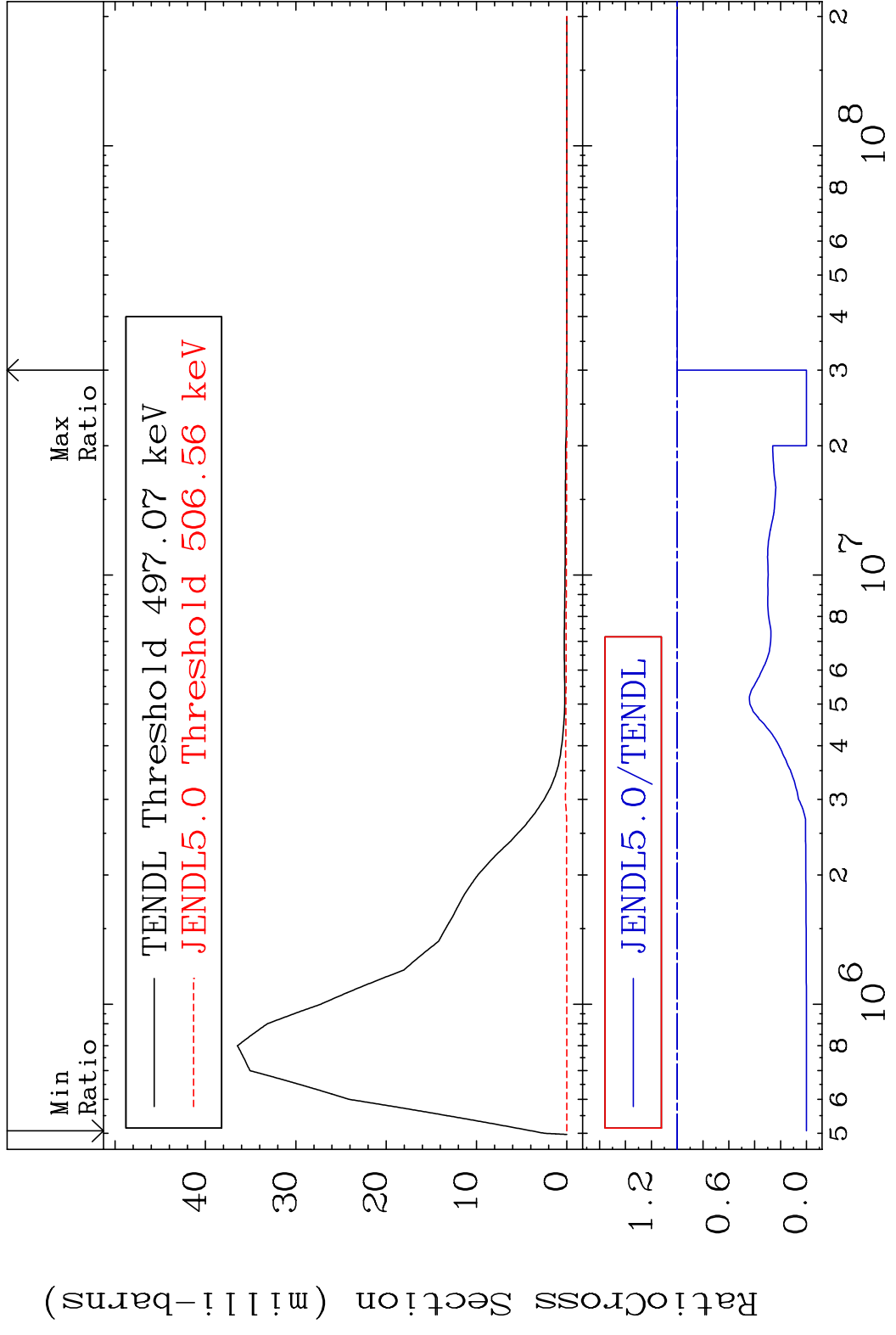
MAT 9543 MT= 65 (n, n') Level 95-Am-241
 Cross Section -100.0 To 0.000 %



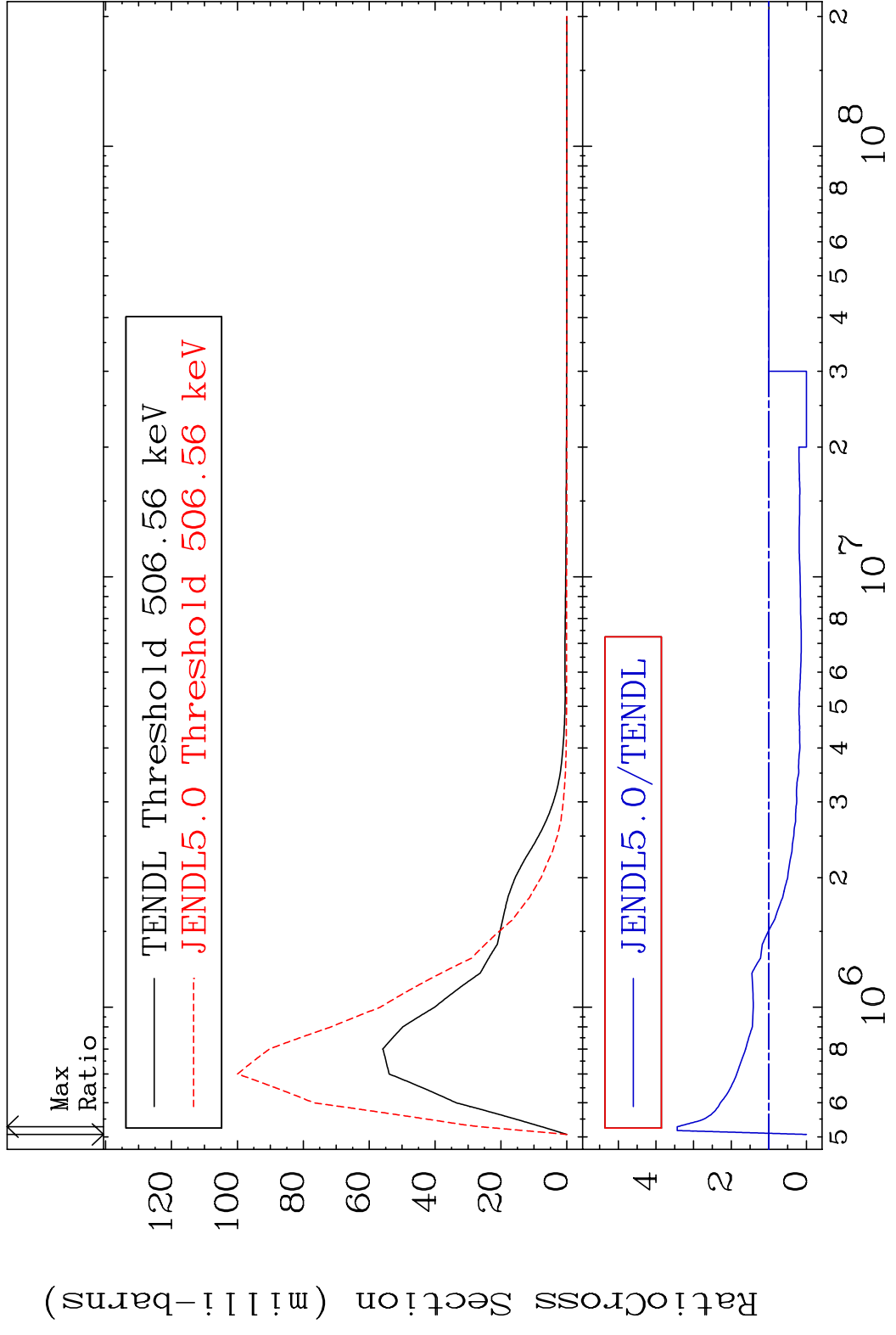
MAT 9543 MT= 66 (n,n') Level 95-Am-241
 Cross Section -100.0 To 259.0 %



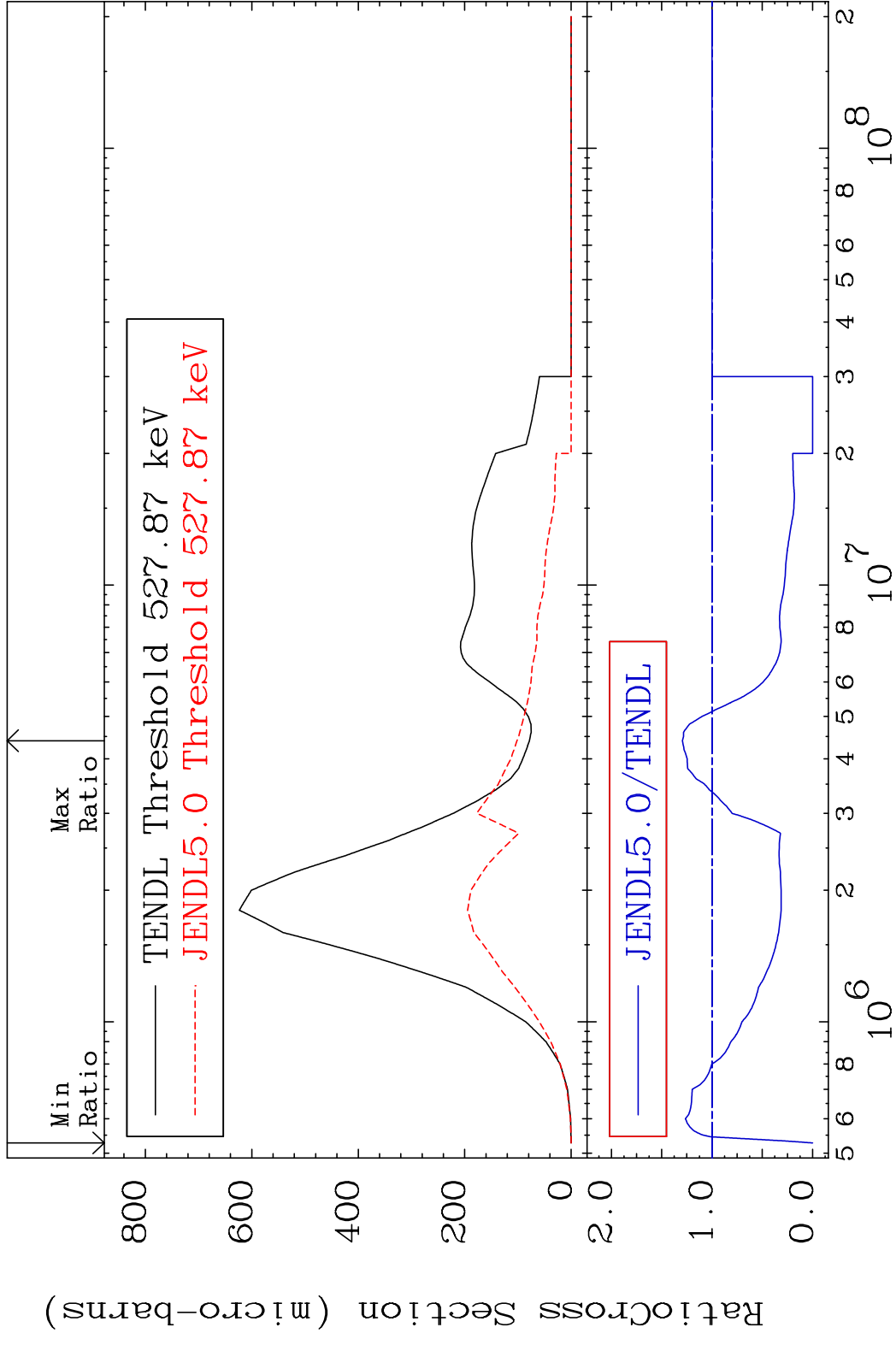
MAT 9543 MT= 67 (n, n') Level 95-Am-241
 Cross Section -100.0 To 0.000 %



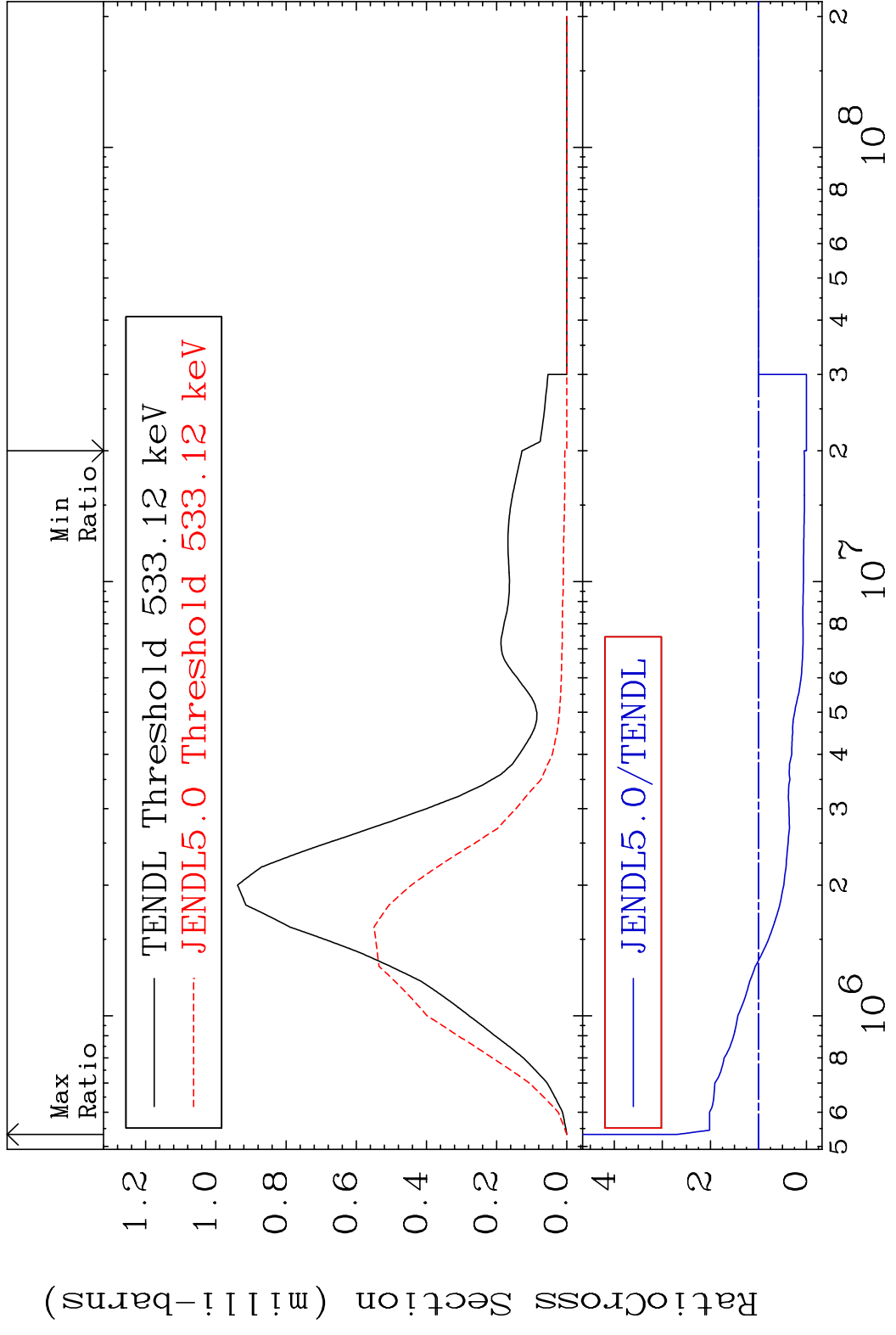
MAT 9543 MT= 68 (n,n') Level 95-Am-241
 Cross Section -100.0 To 243.7 %



MAT 9543 MT= 69 (n, n') Level 95-Am-241
 Cross Section -100.0 To 29.44 %



MAT 9543 MT= 70 (n, n') Level 95-Am-241
 Cross Section -100.0 To 169.2 %

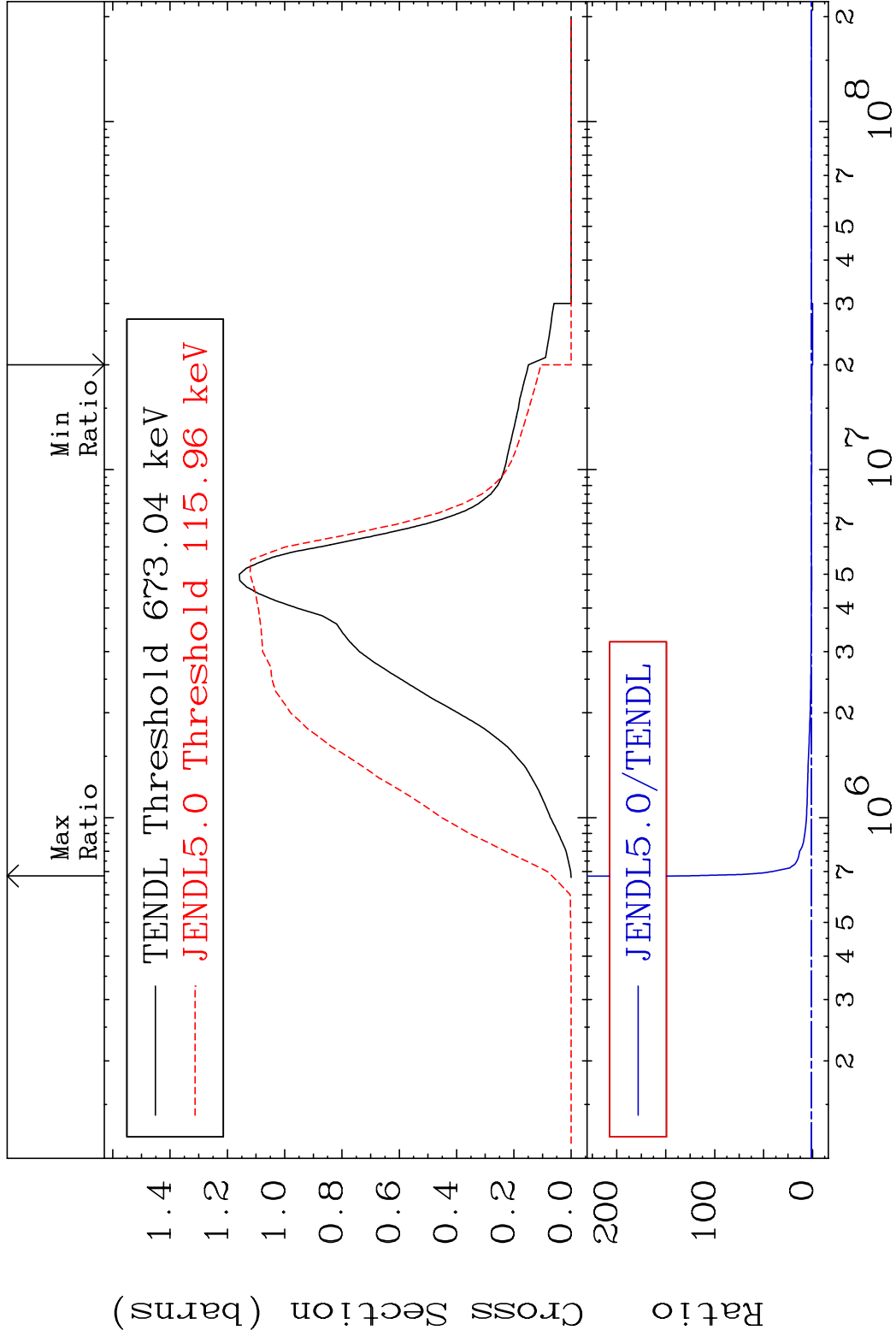


MAT 9543

(n, n') Continuum

95-Am-241

Cross Section -100.0 To 9999. %

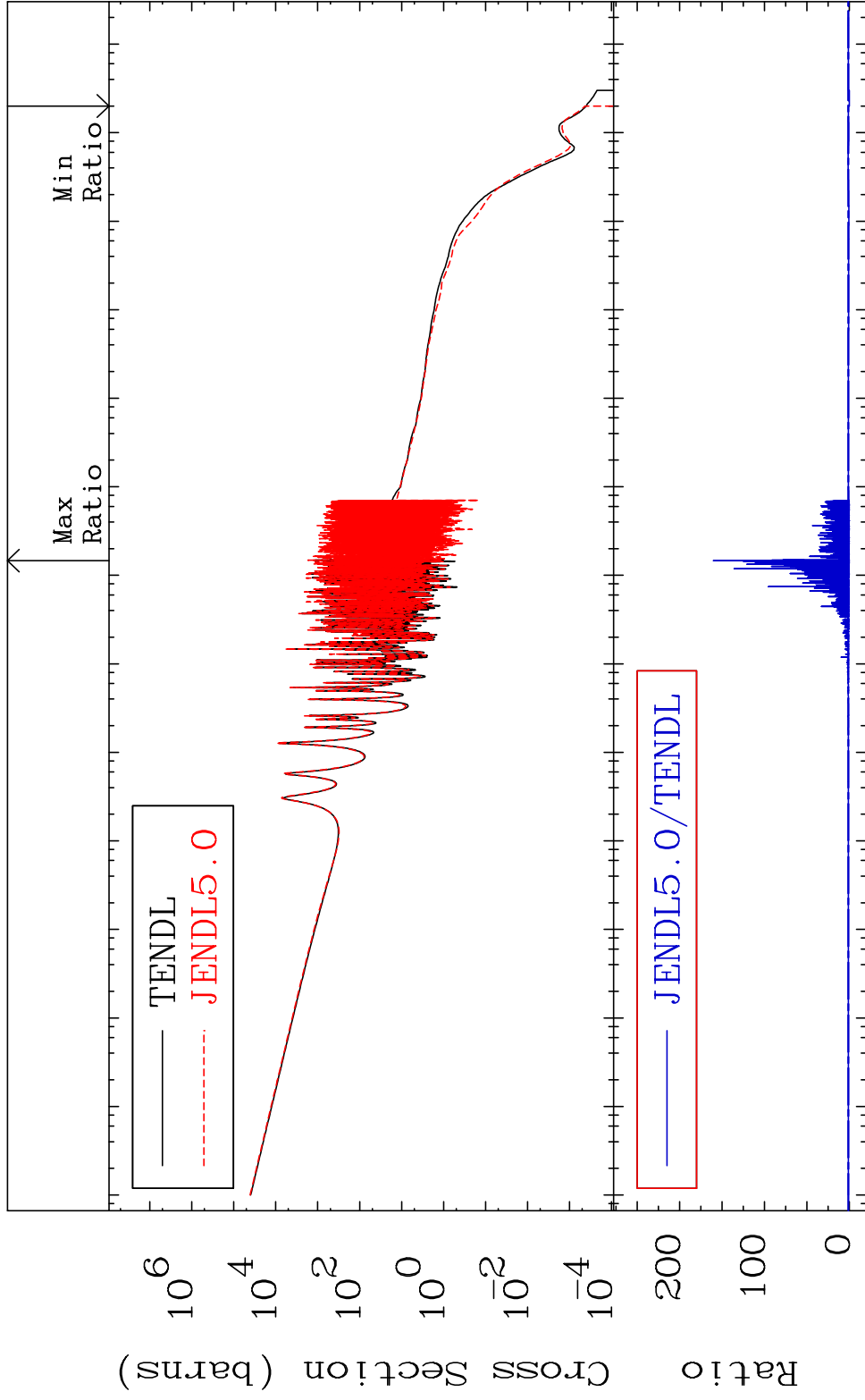


MAT 9543

(n, γ)

95-Am-241

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

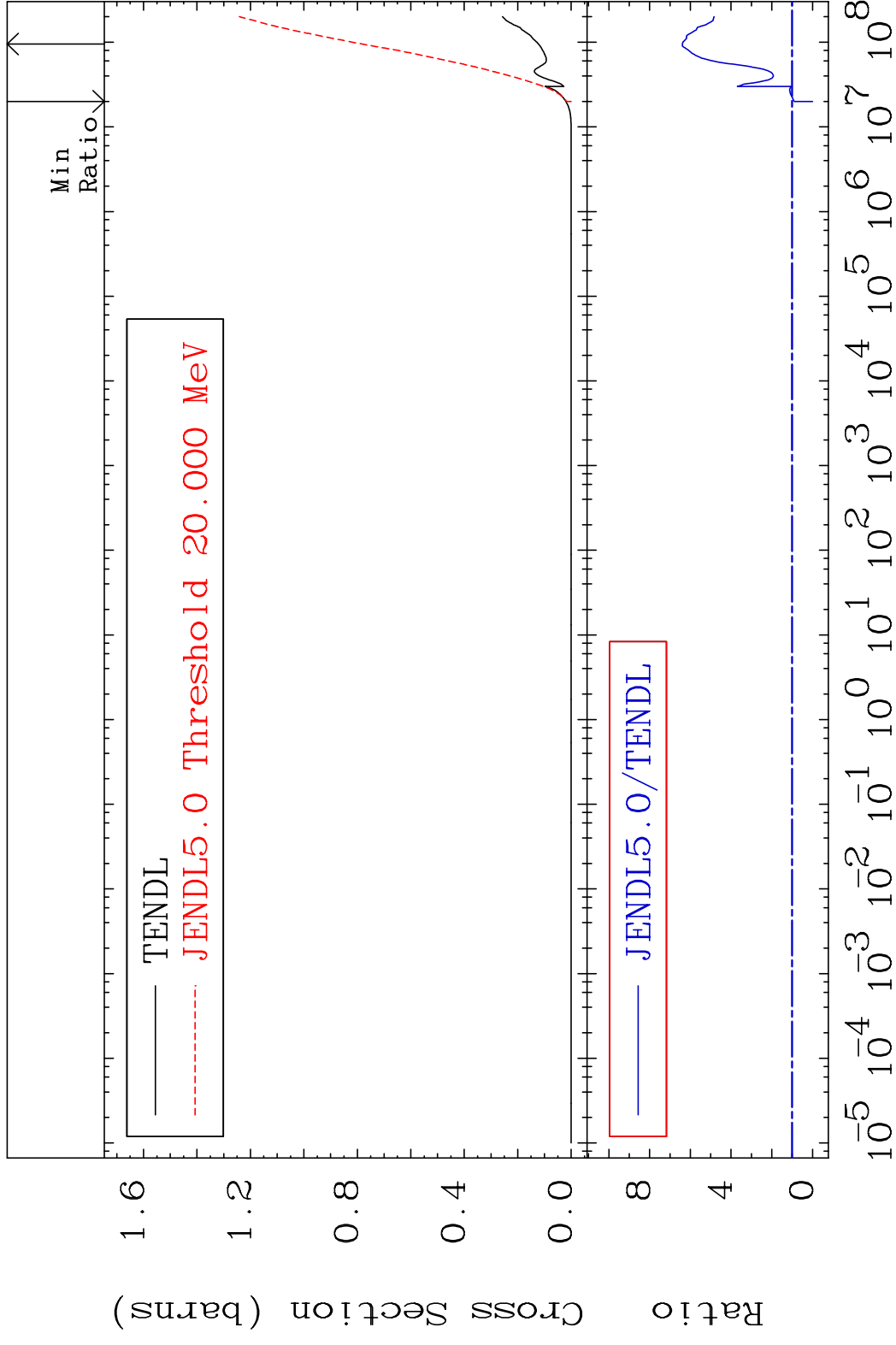
95-Am-241

MAT 9543

Hydrogen Production

95-Am-241

Cross Section -100.0 To 539.2 %

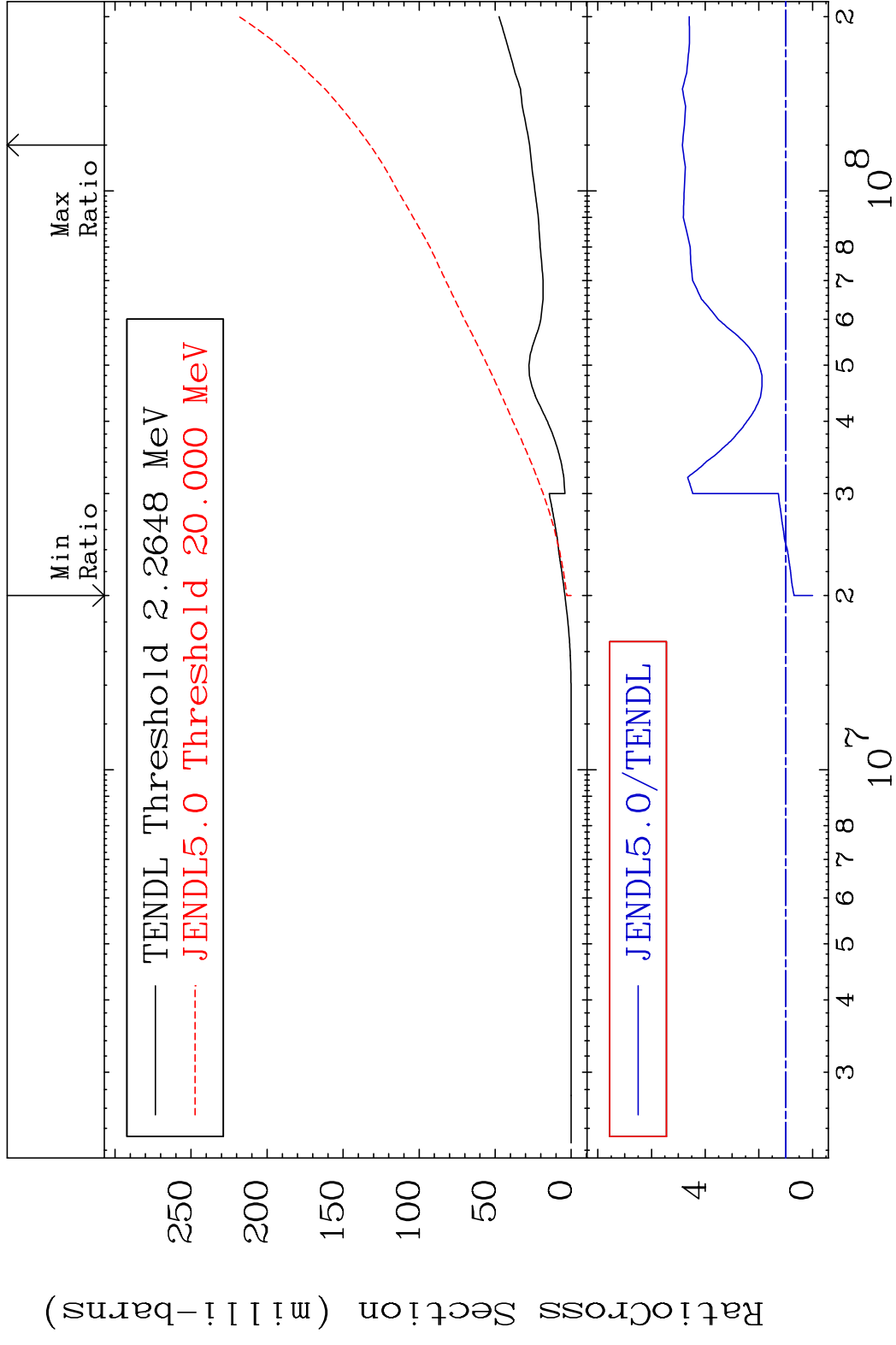


30

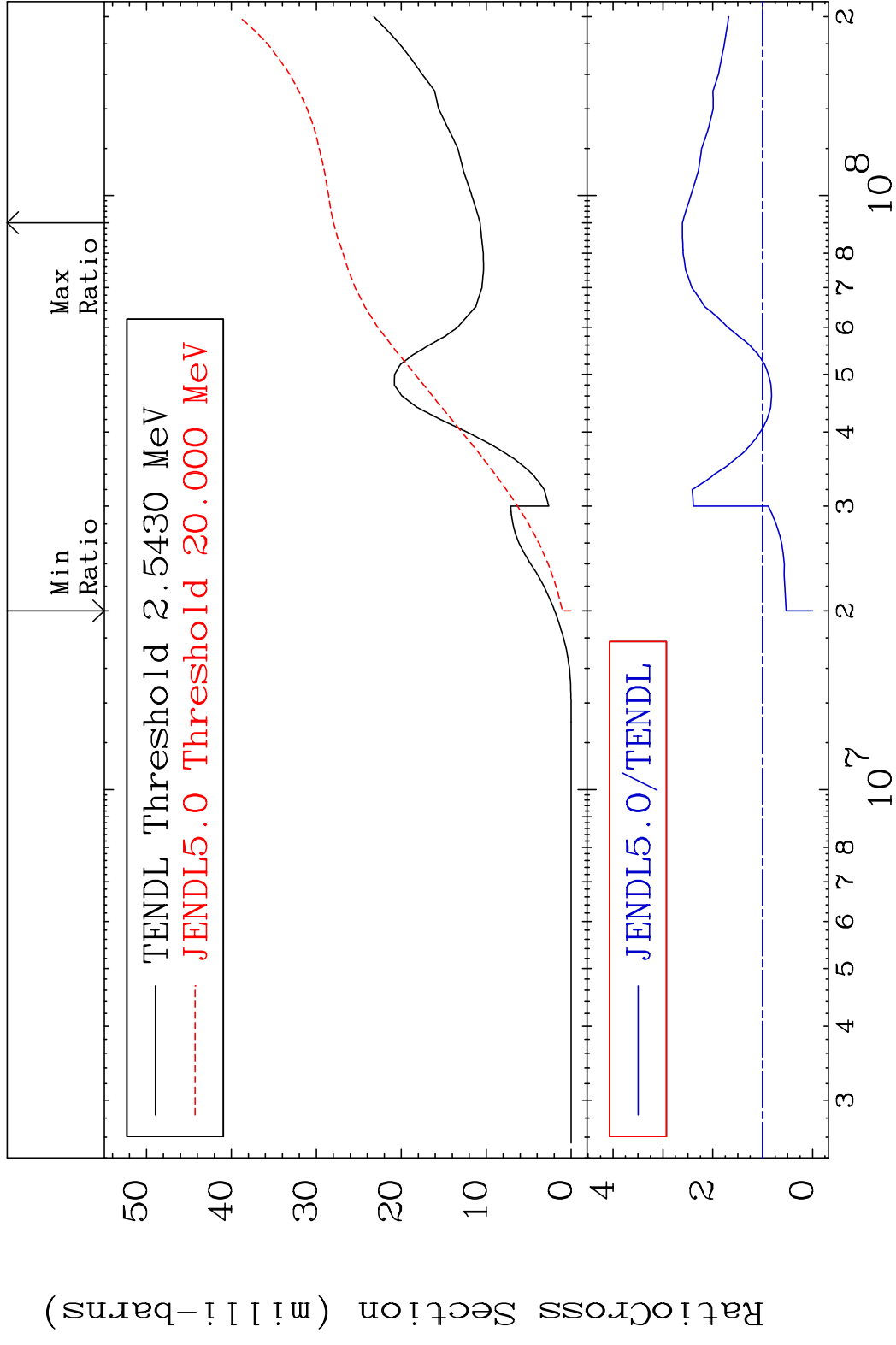
Incident Energy (eV)

95-Am-241

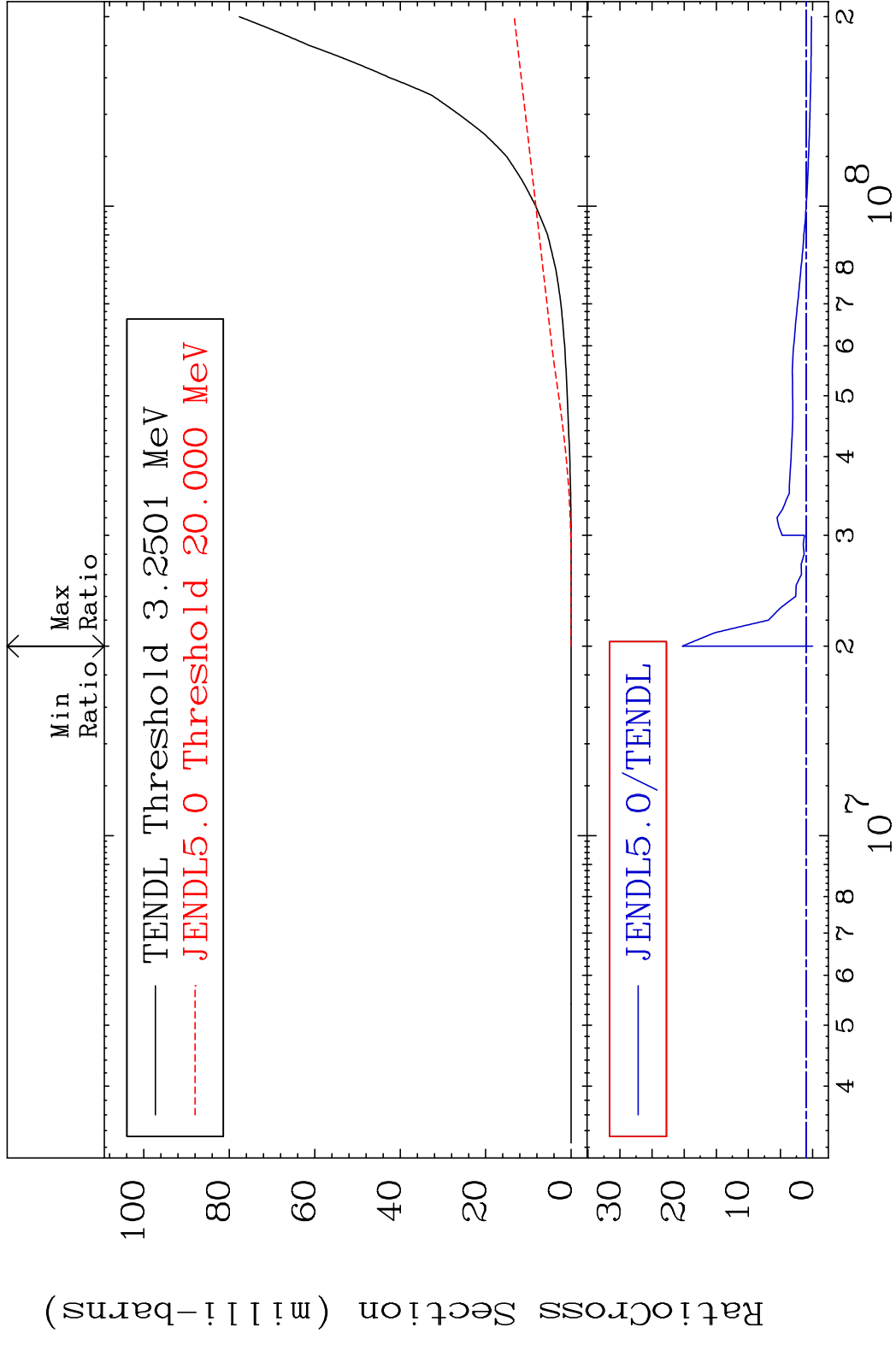
MAT 9543 Deuterium Production 95-Am-241
 Cross Section -100.0 To 385.1 %



MAT 9543 Tritium Production 95-Am-241
 Cross Section -100.0 To 161.0 %



MAT 9543 He-3 Production 95-Am-241
 Cross Section -100.0 To 1928. %

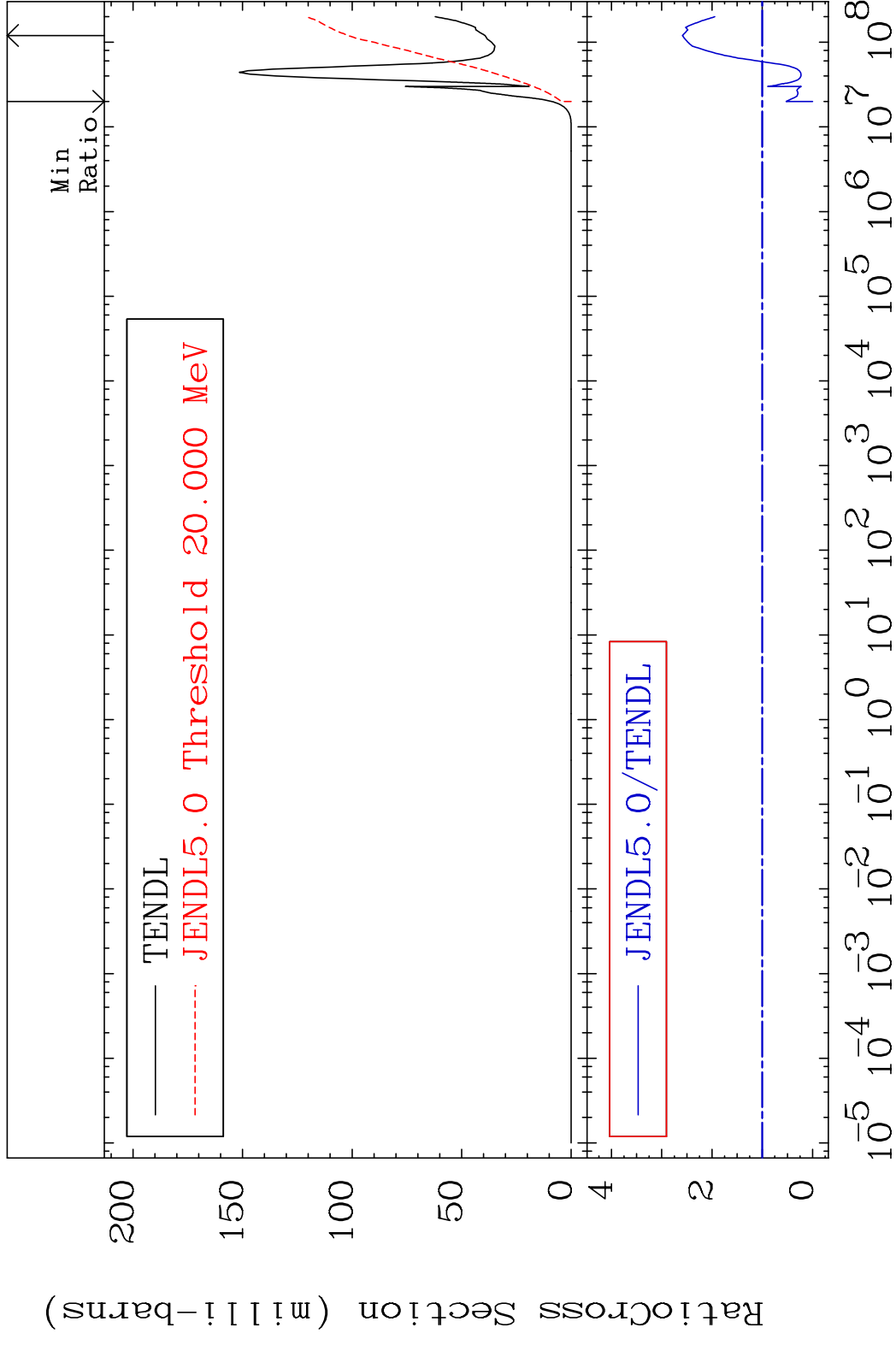


MAT 9543

He-4 Production

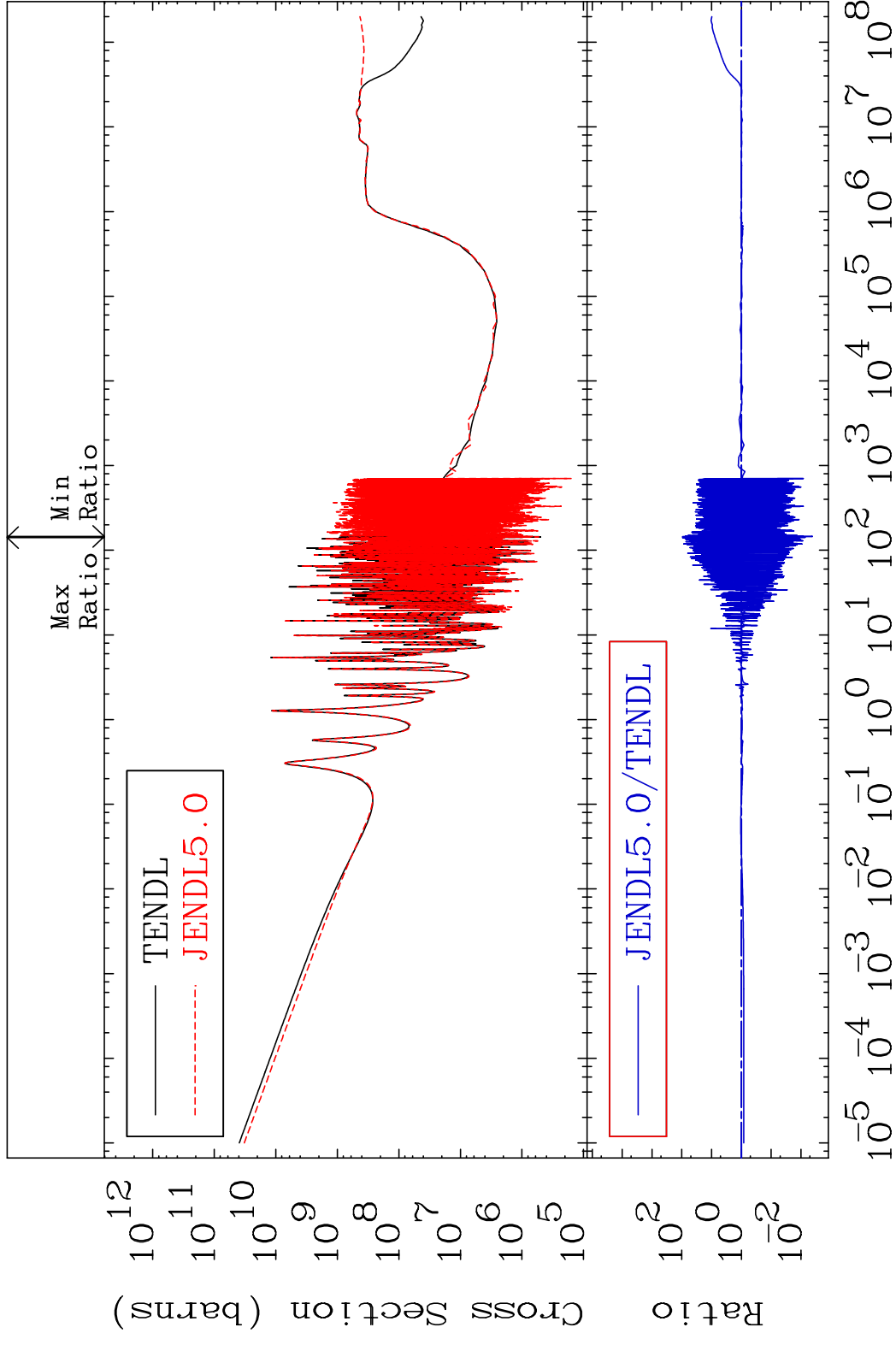
95-Am-241

Cross Section -100.0 To 159.0 %



MAT 9543

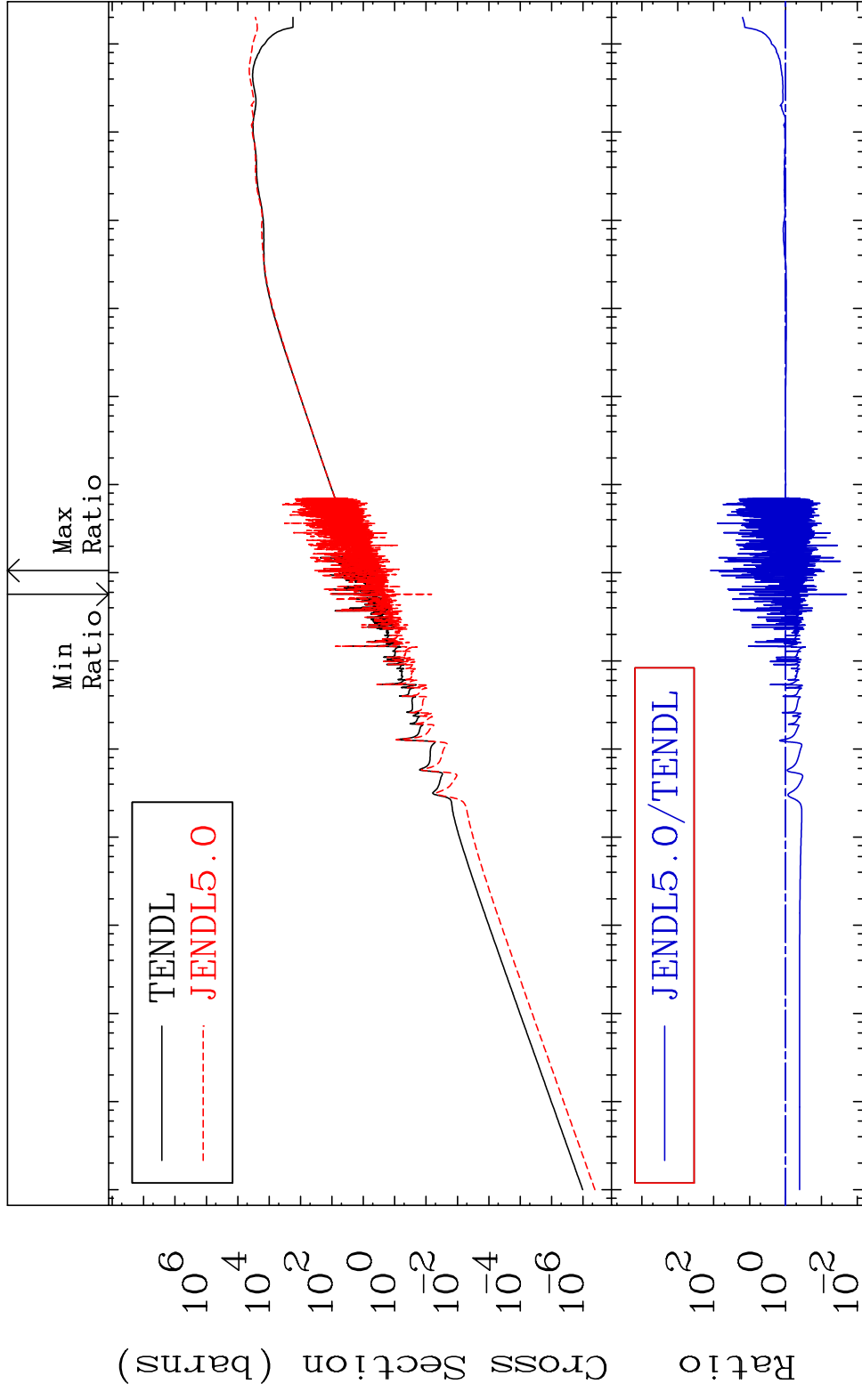
Kerma total (eV-barns) 95-Am-241
Cross Section -99.59 To 9453. %



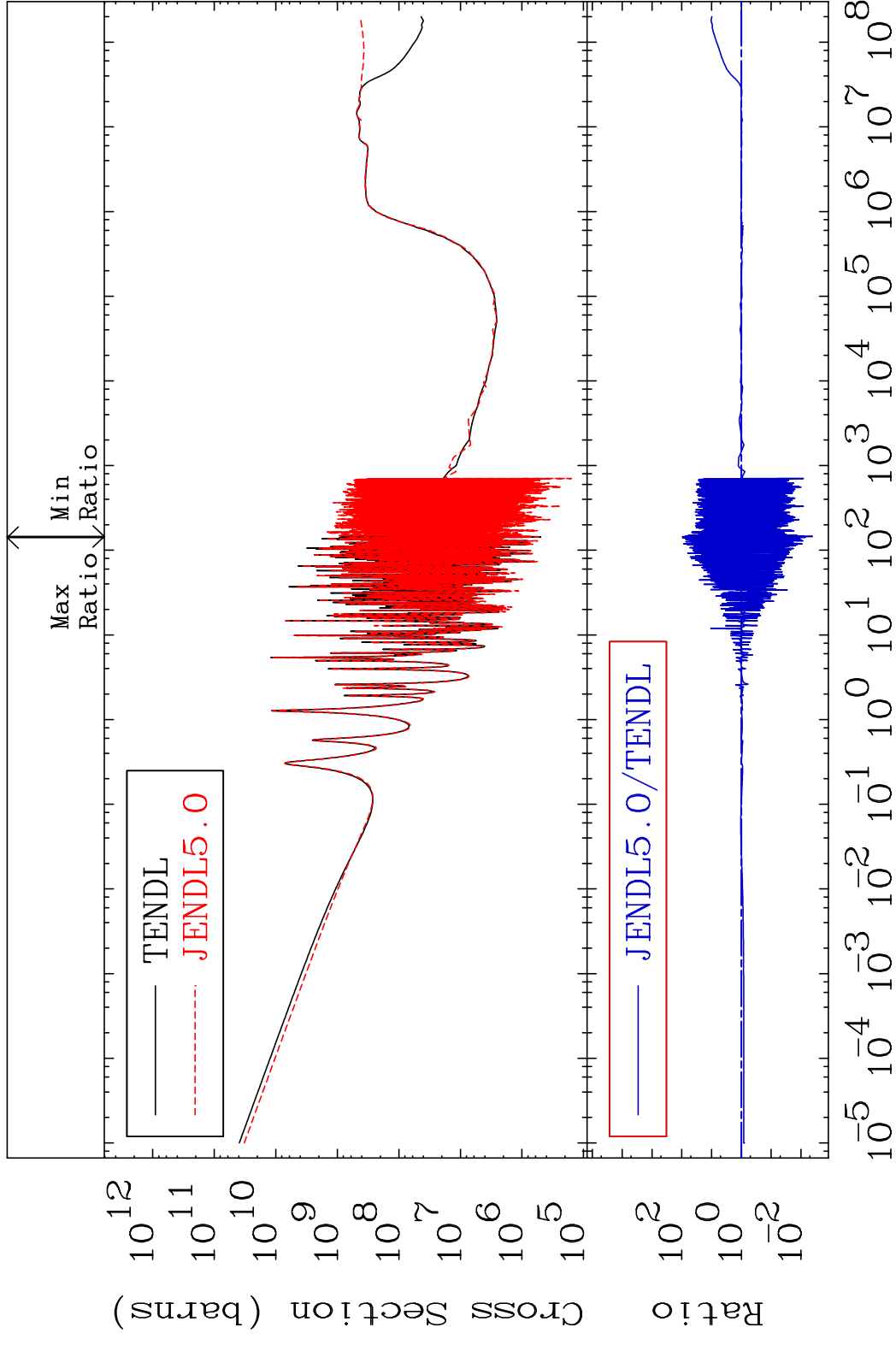
MAT 9543

Kerma elastic
Cross Section -97.97 To 9999. %

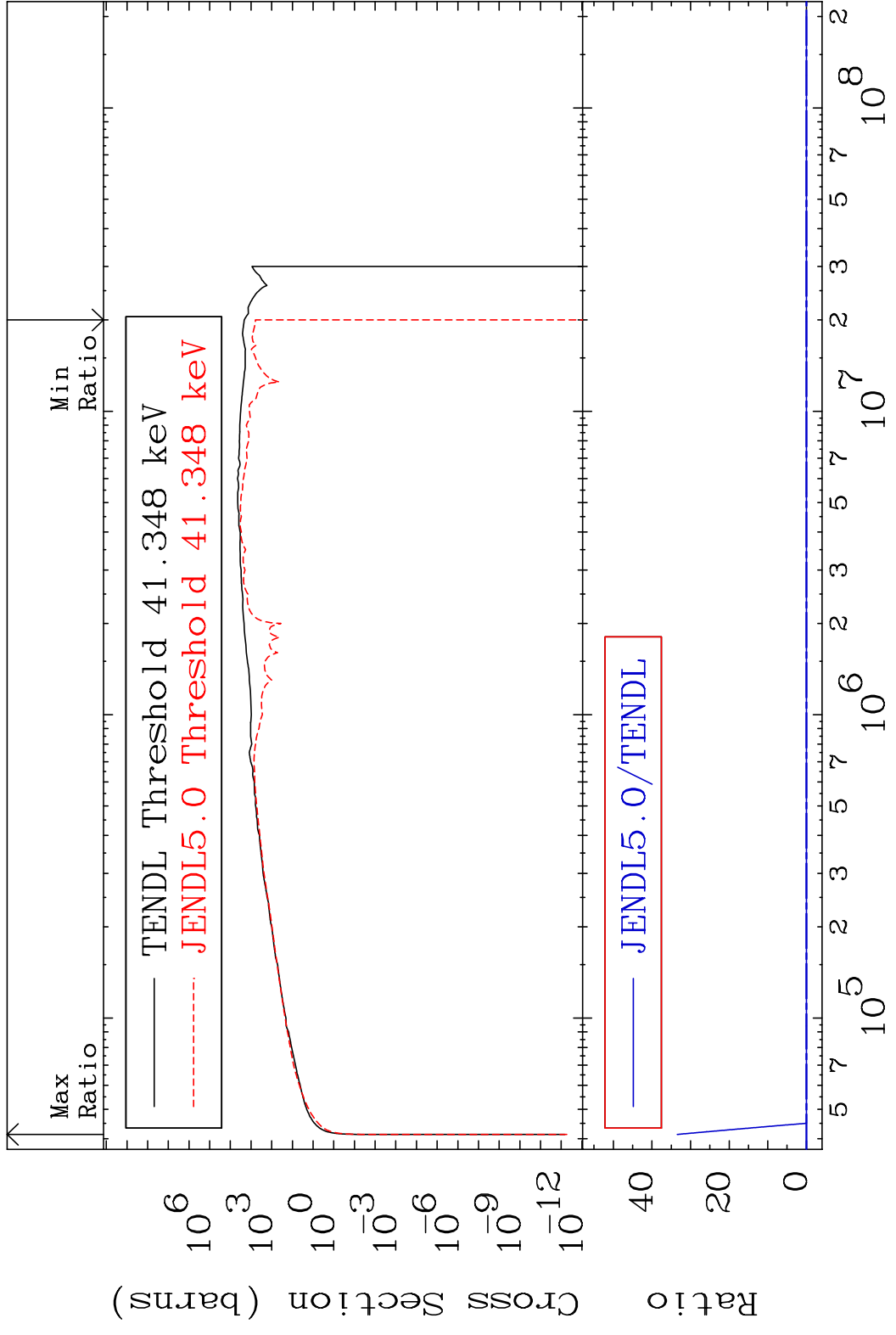
95-Am-241



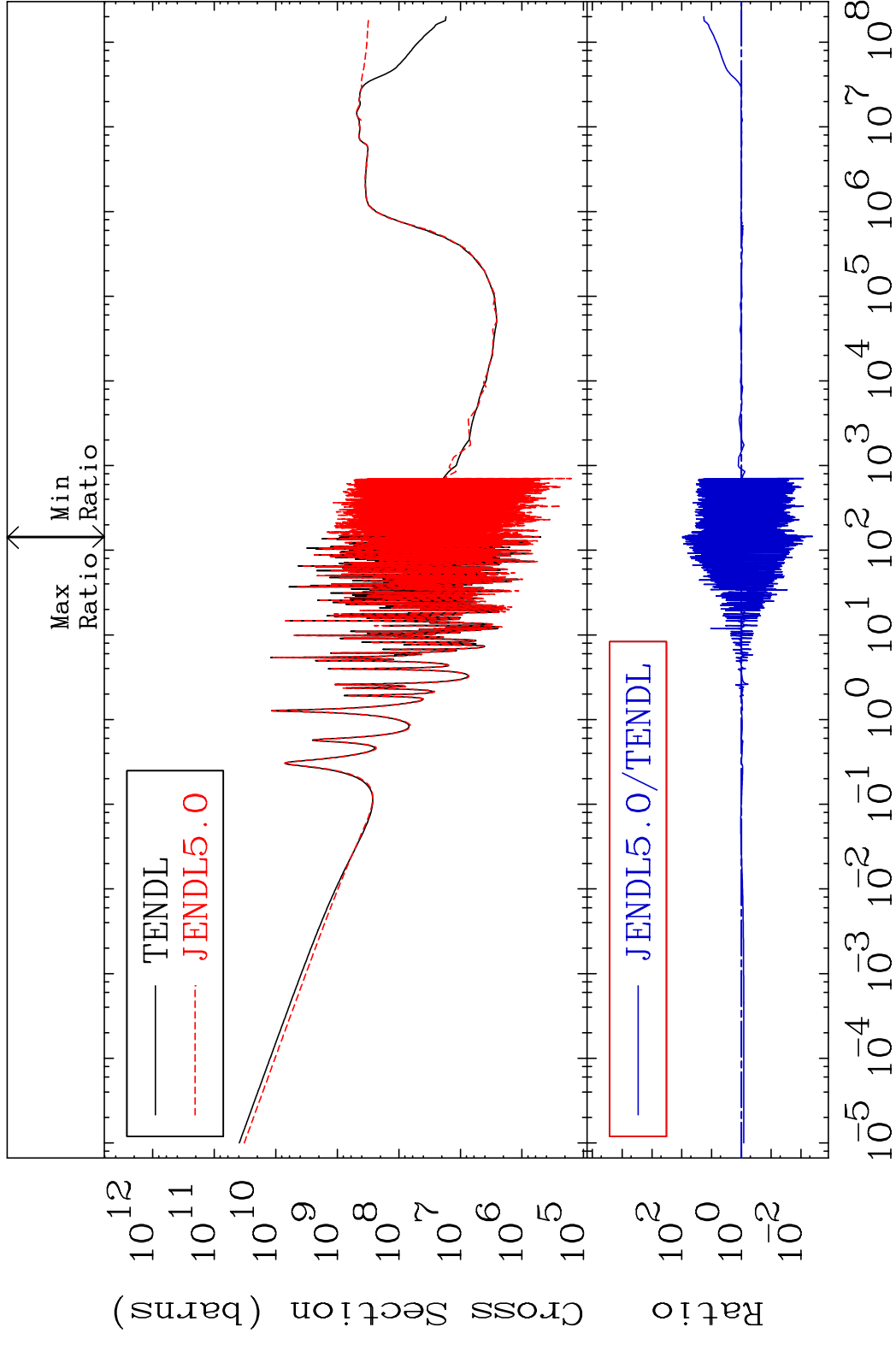
MAT 9543 Kerma non-elastic (all but mt2) 95-Am-241
 Cross Section -99.59 To 9453. %



MAT 9543 Kerma inelastic (mt51-91) 95-Am-241
 Cross Section -100.0 To 9999. %



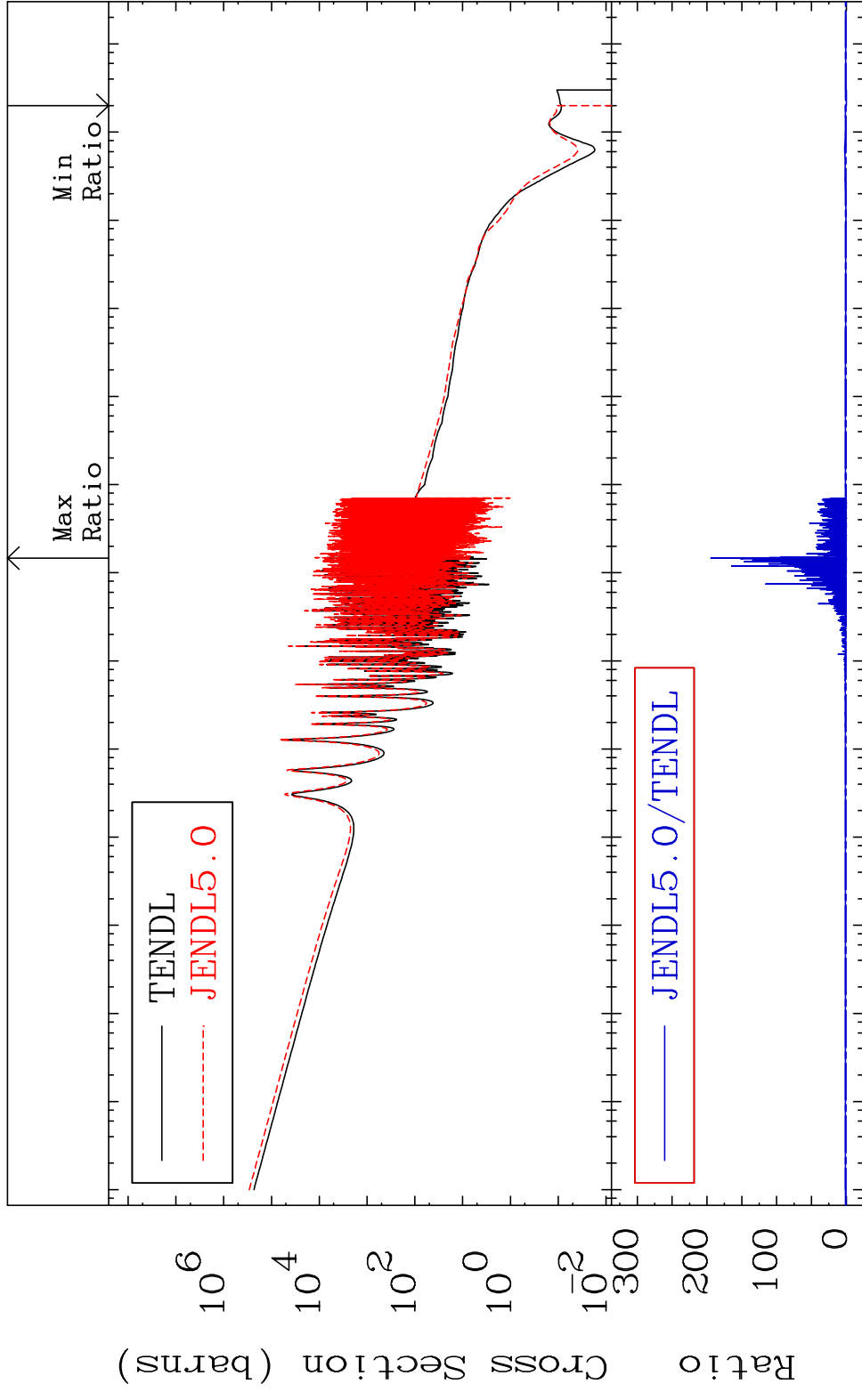
MAT 9543 Kerma fission (mt18 or mt19-20-21-38) 95-Am-241
 Cross Section -99.59 To 9453. %



MAT 9543

Kerma capture (mt102) 95-Am-241

Cross Section -100.0 To 9999. %



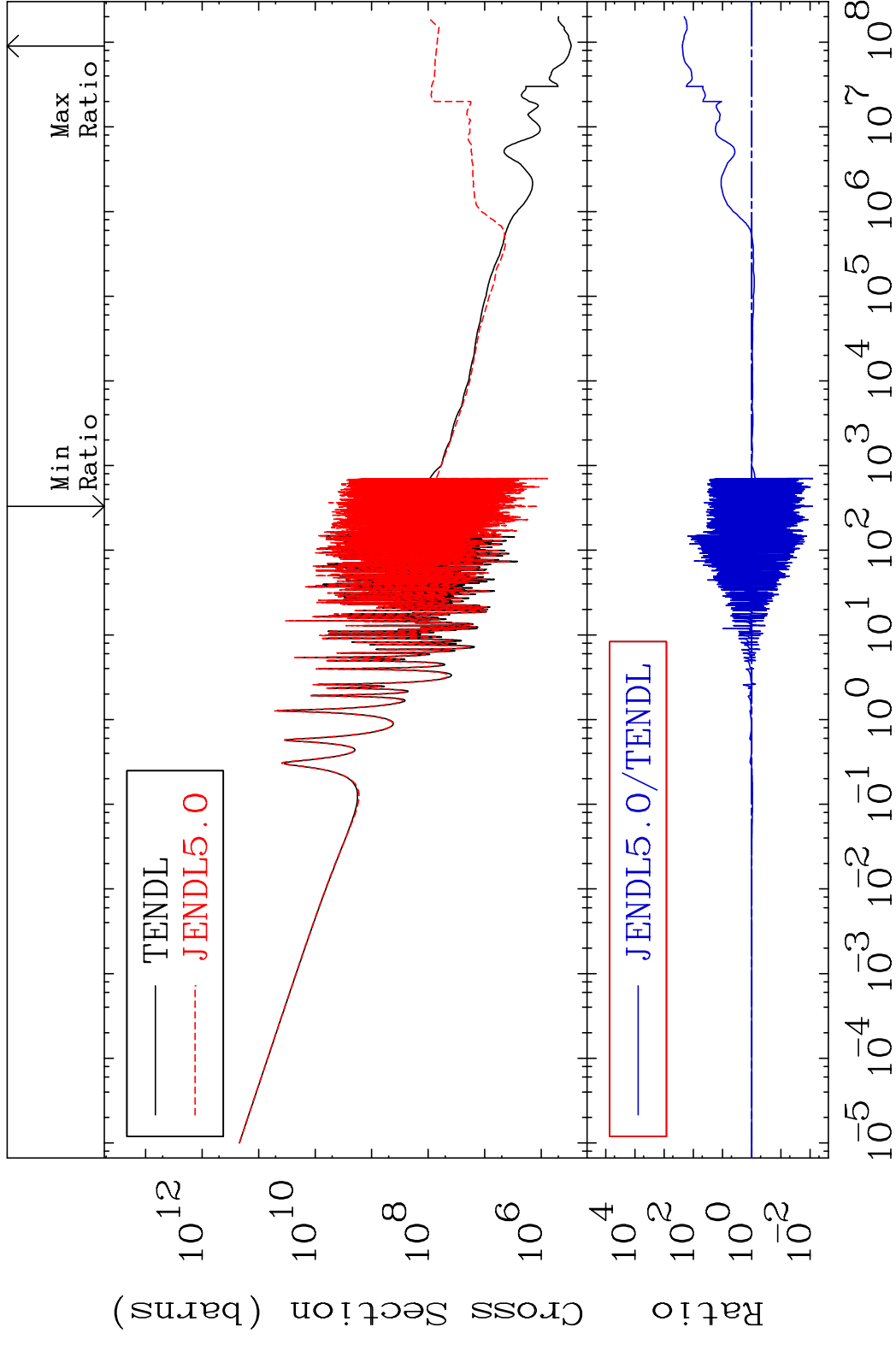
Ratio
Cross Section (barns)

40

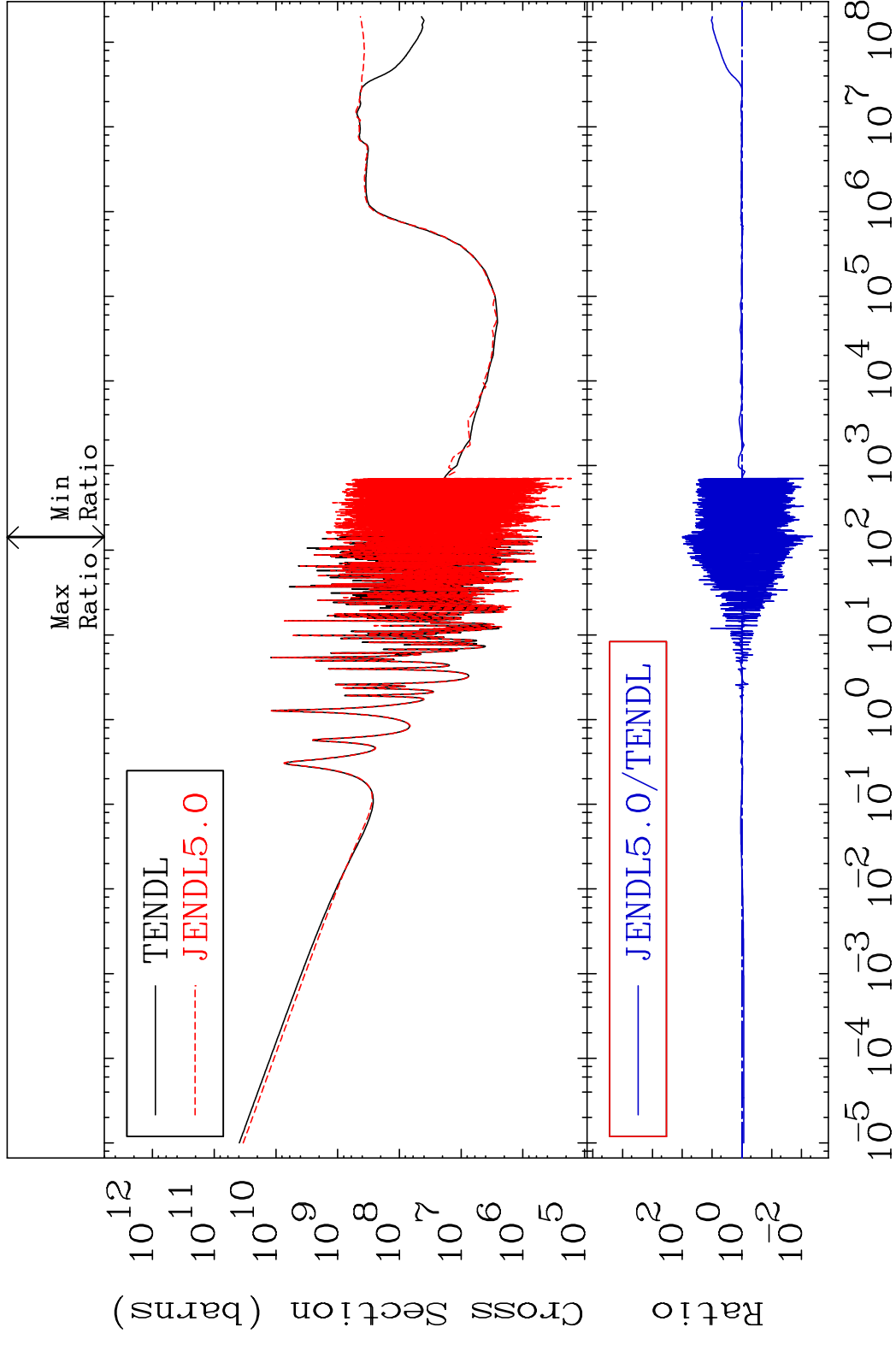
Incident Energy (eV)

95-Am-241

MAT 9543 Total photon (eV-barns) 95-Am-241
 Cross Section -99.17 To 9999. %



MAT 9543 Total kinematic kerma (high limit) 95-Am-241
 Cross Section -99.57 To 9830. %

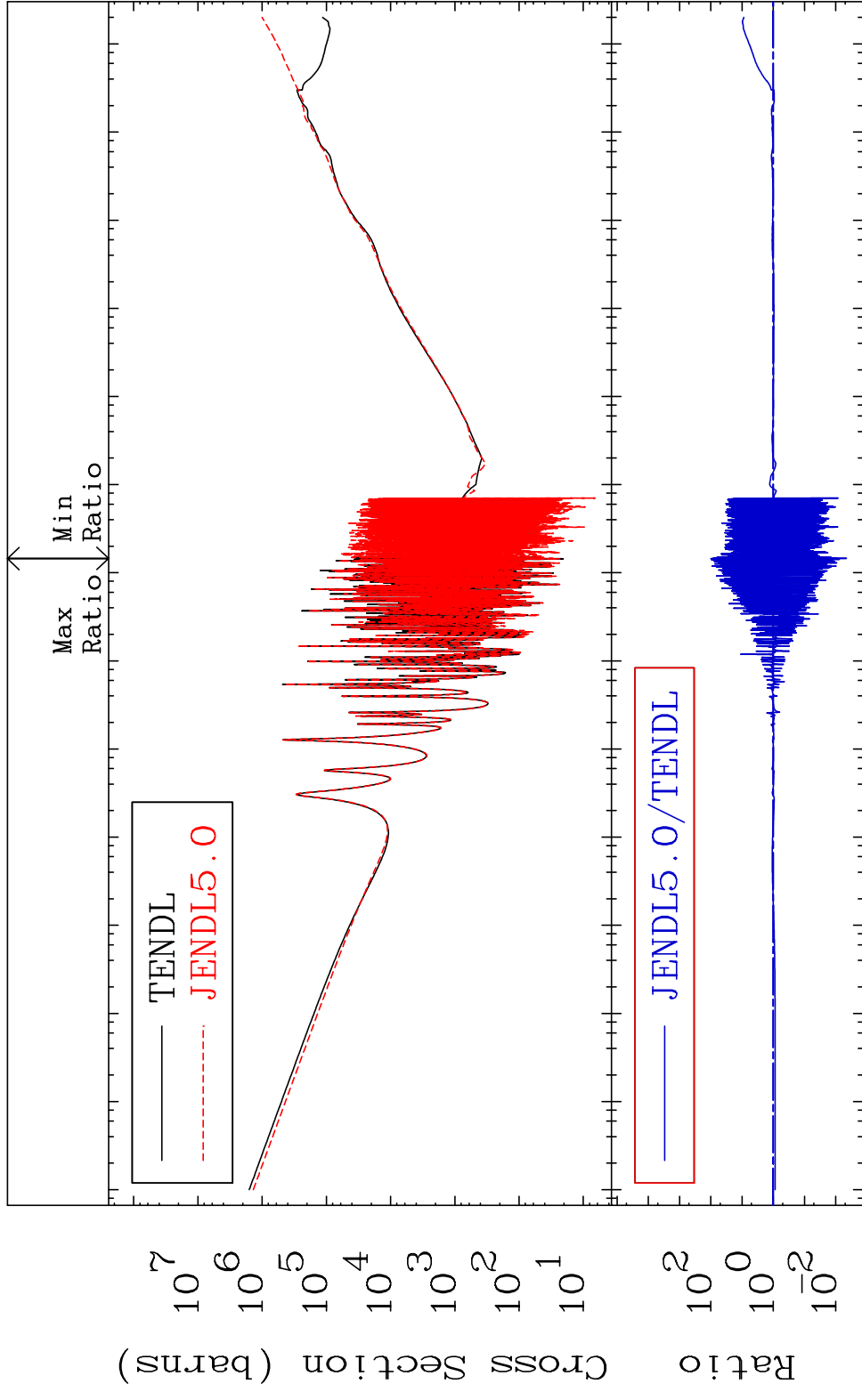


MAT 9543

Dpa total (eV-barns)

95-Am-241

Cross Section -99.54 To 9958. %



43

Incident Energy (eV)

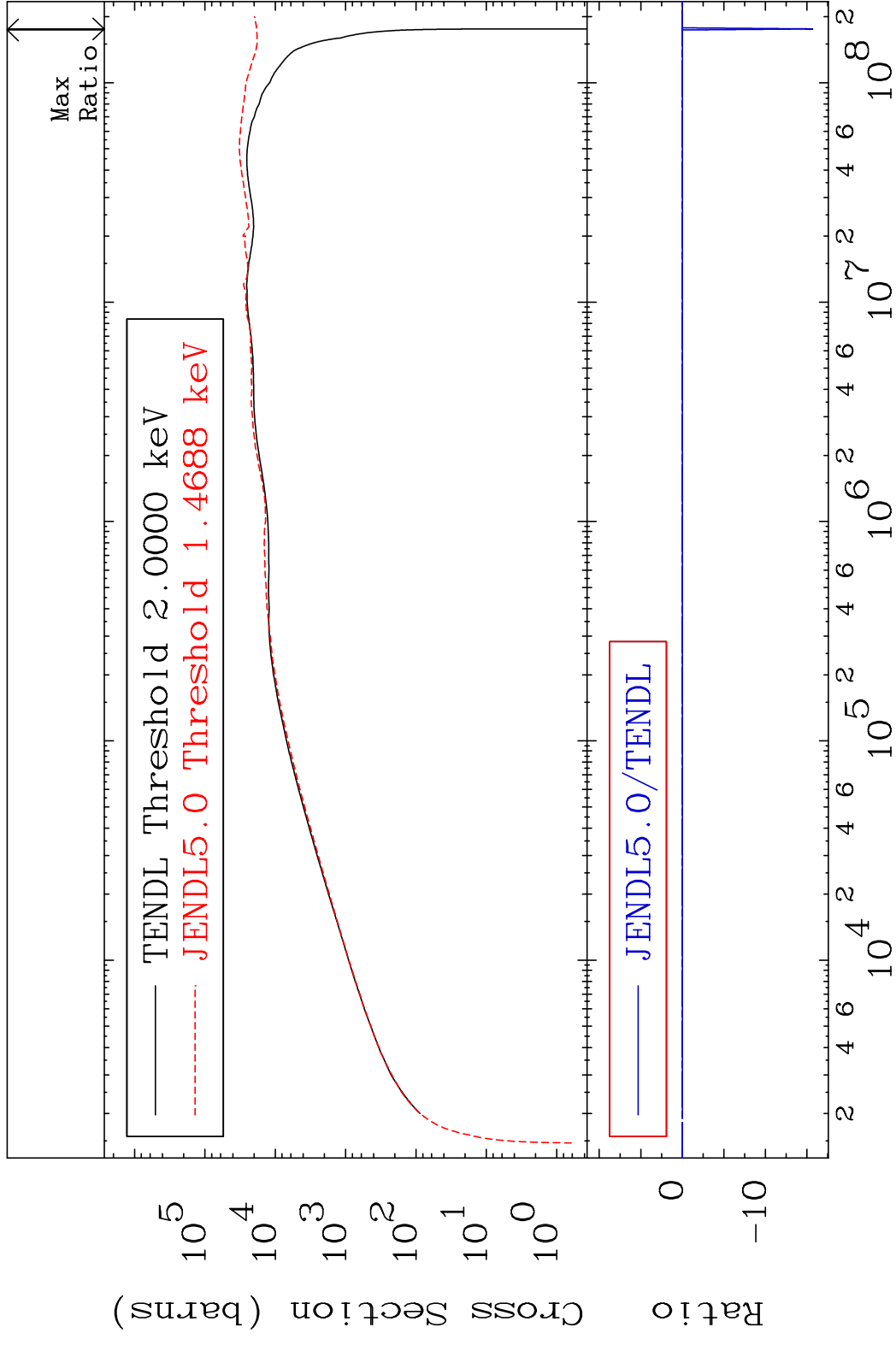
95-Am-241

MAT 9543

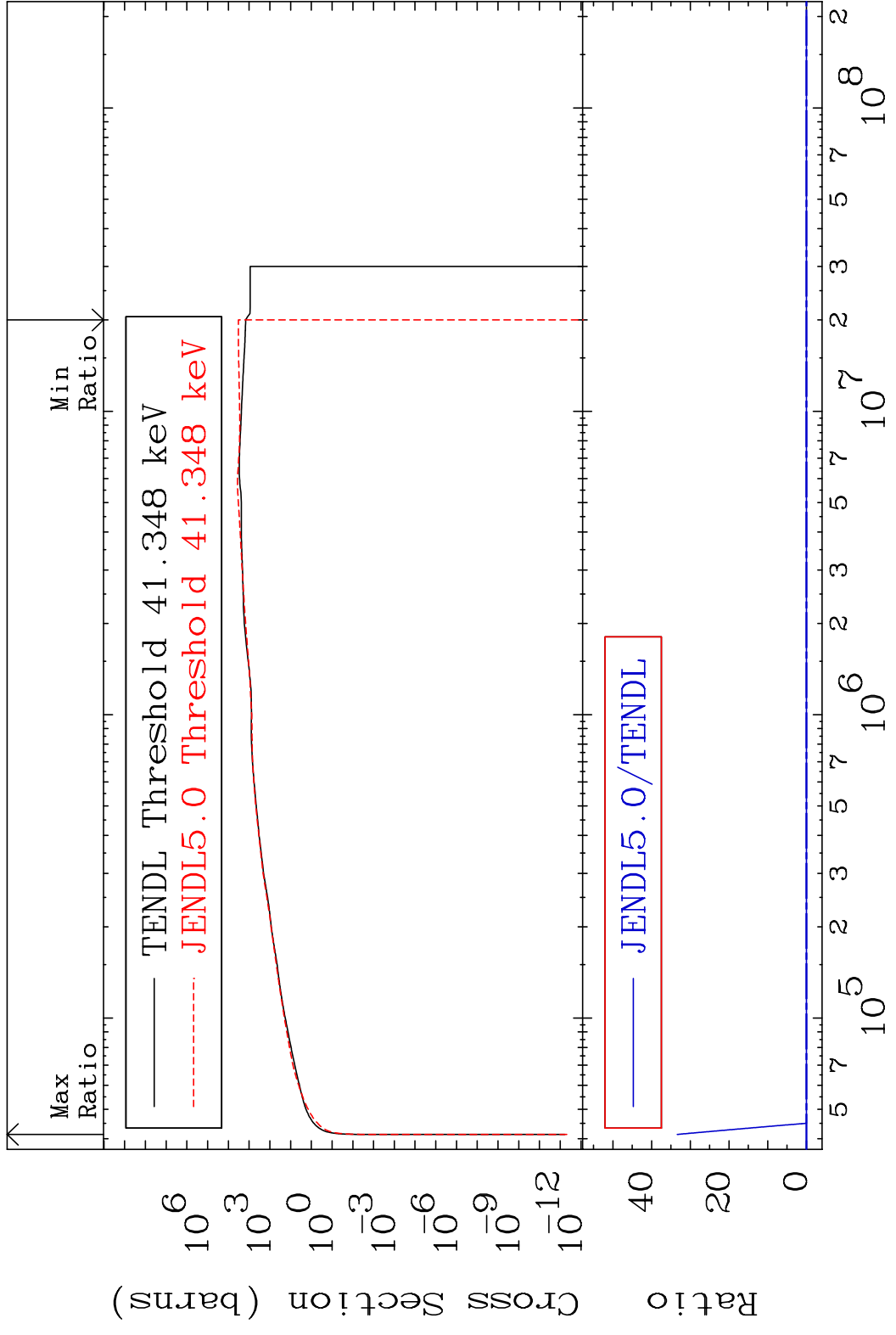
Dpa elastic (mt2)

95-Am-241

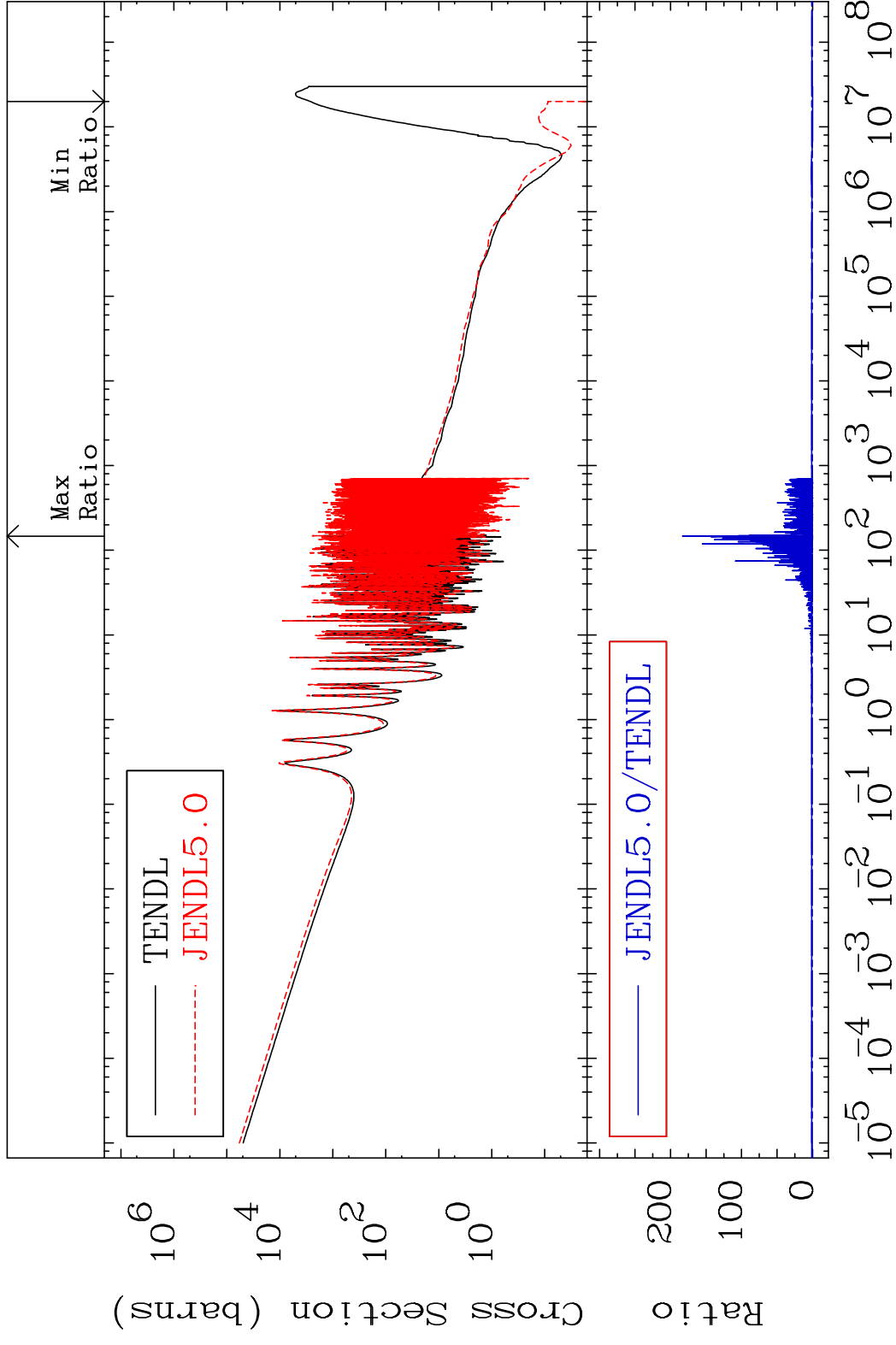
Cross Section -9999. To 9999. %



MAT 9543 Dpa inelastic (mt51-91) 95-Am-241
 Cross Section -100.0 To 9999. %



MAT 9543 Dpa disappearance (mt102 -120) 95-Am-241
 Cross Section -100.0 To 9999. %

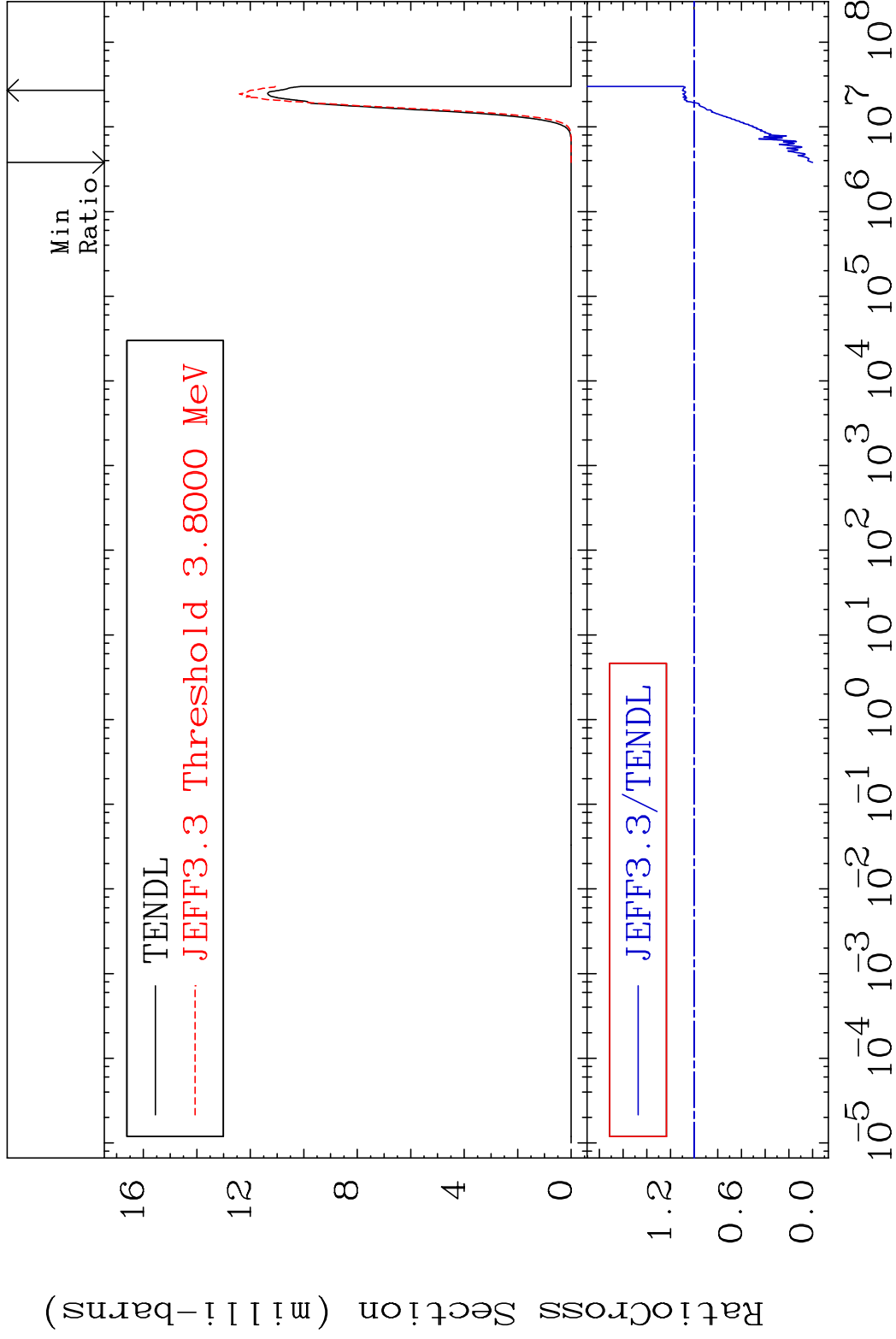


MAT 9543

(n, p)

95-Am-241

Cross Section -100.0 To 9.945 %



47

Incident Energy (eV)

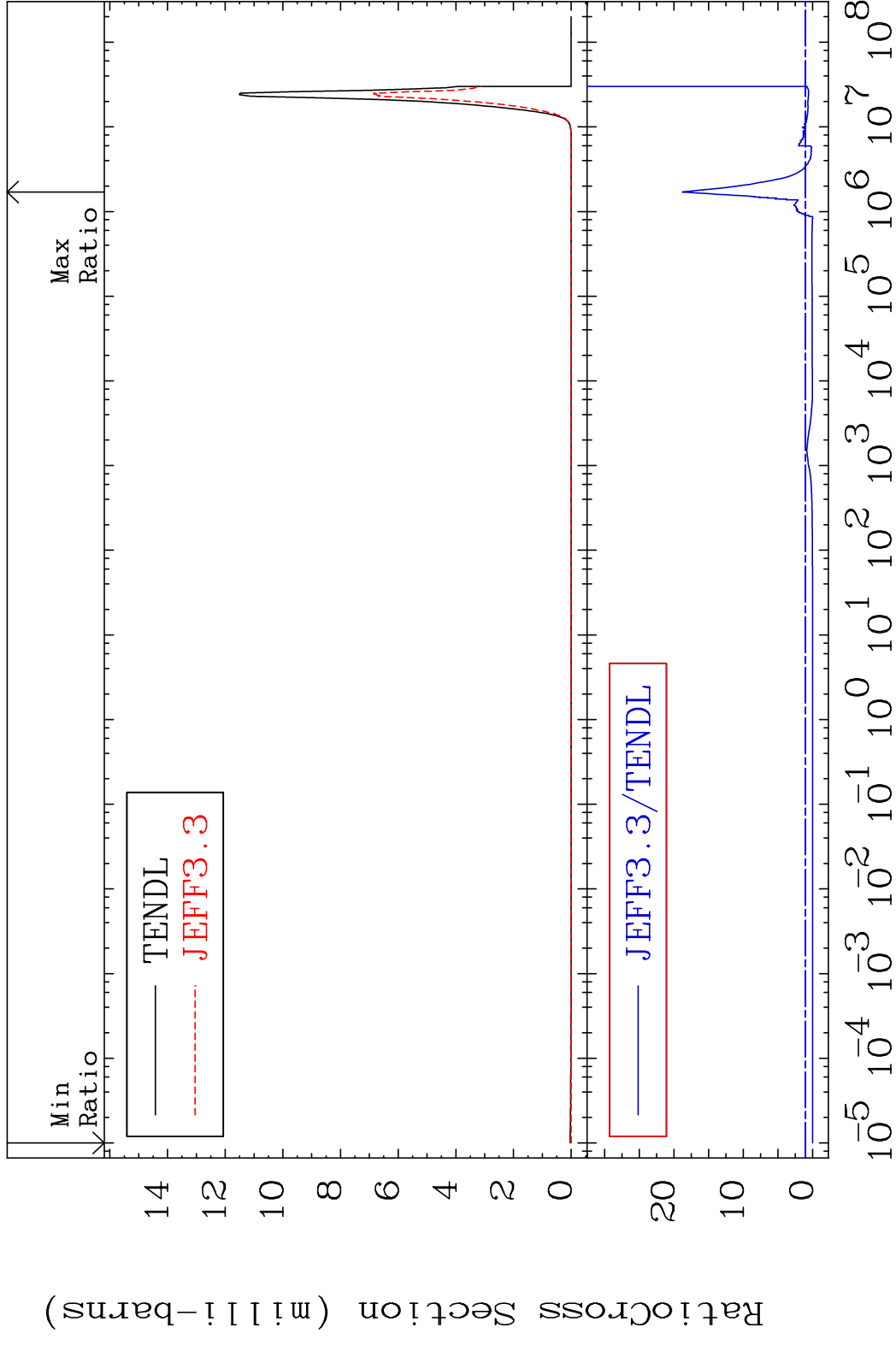
95-Am-241

MAT 9543

(n, α)

95-Am-241

Cross Section -100.0 To 1779. %

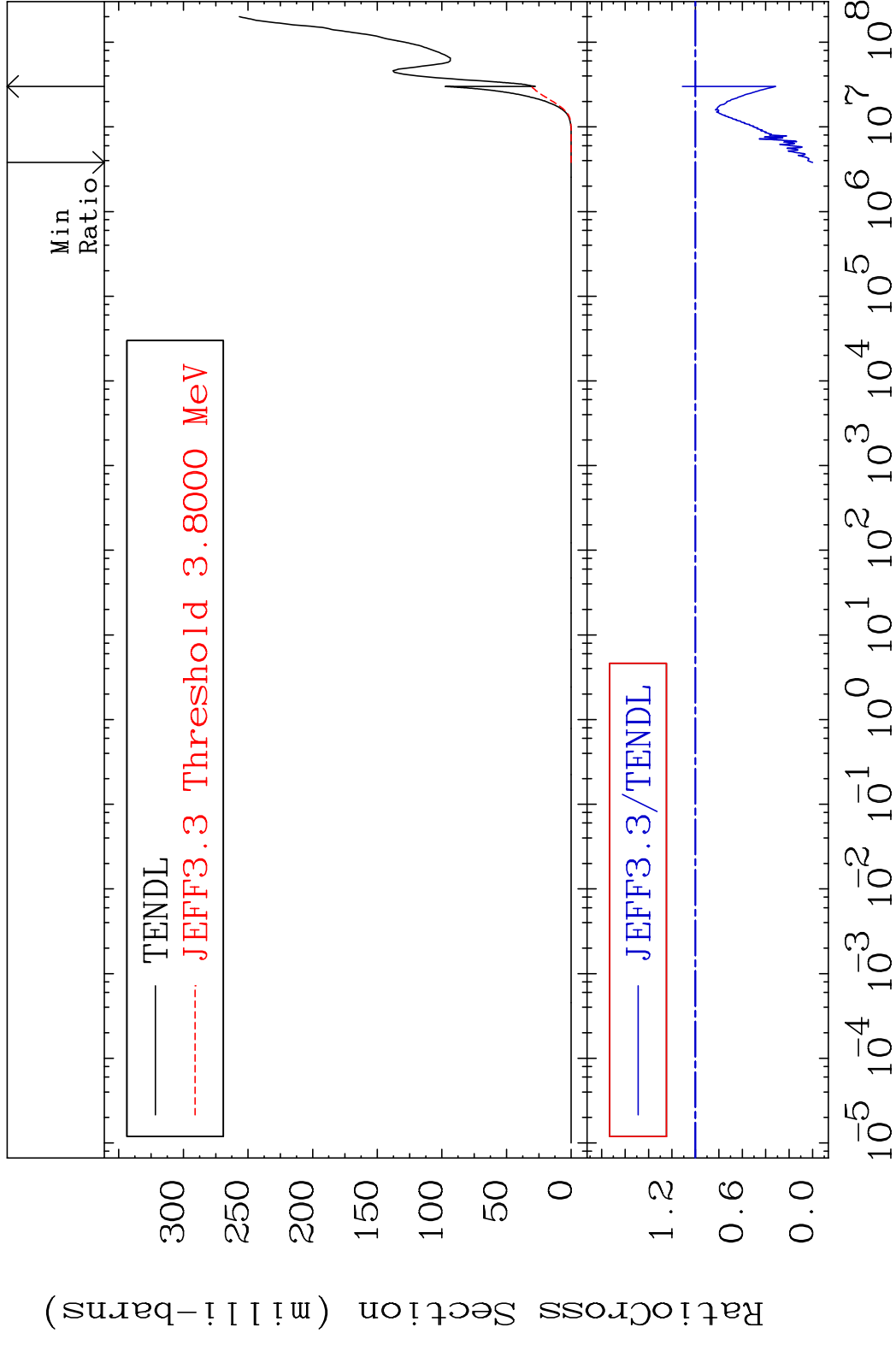


MAT 9543

Hydrogen Production

95-Am-241

Cross Section -100.0 To 11.14 %



49

Incident Energy (eV)

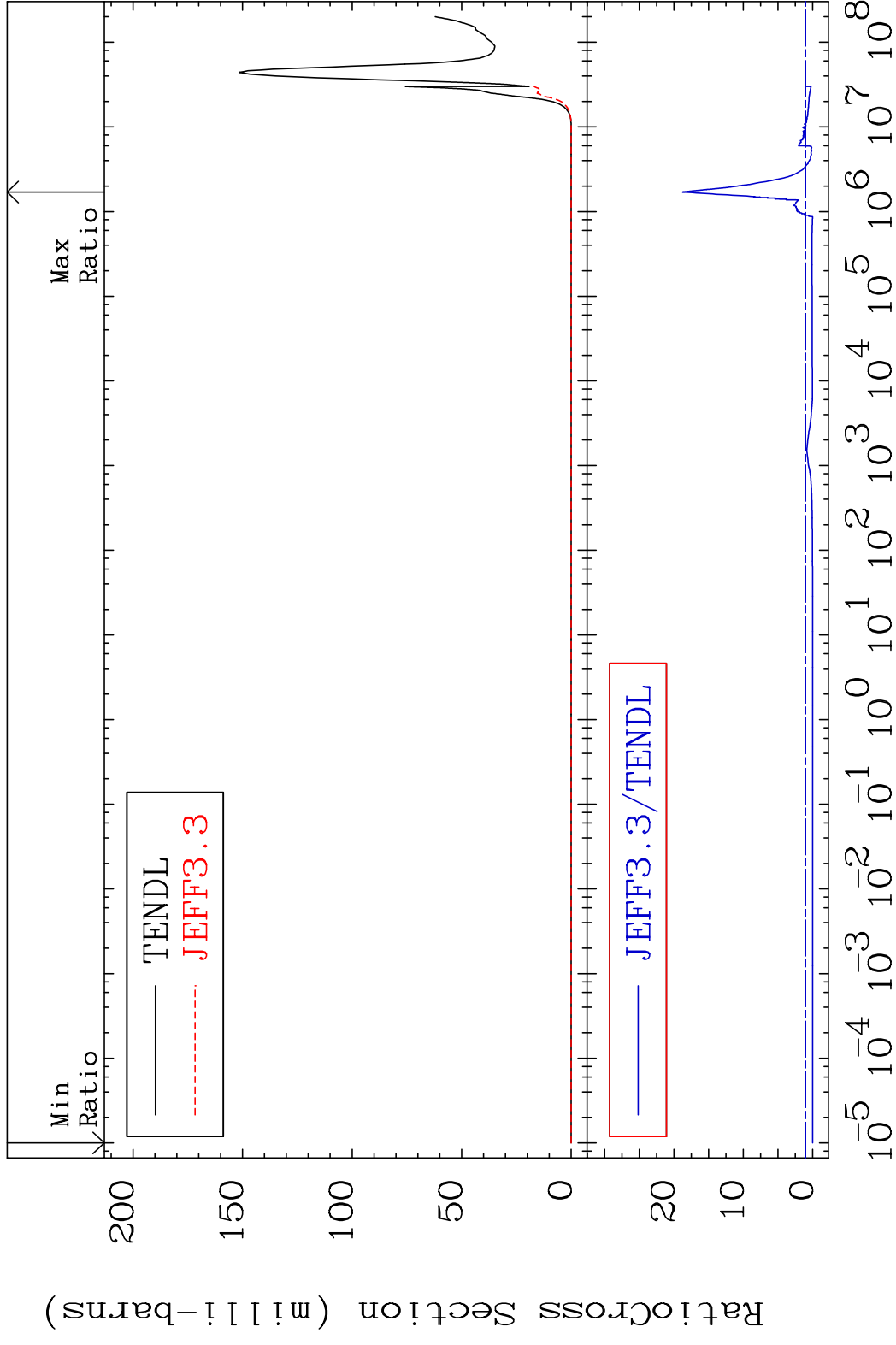
95-Am-241

MAT 9543

He-4 Production

95-Am-241

Cross Section -100.0 To 1779. %



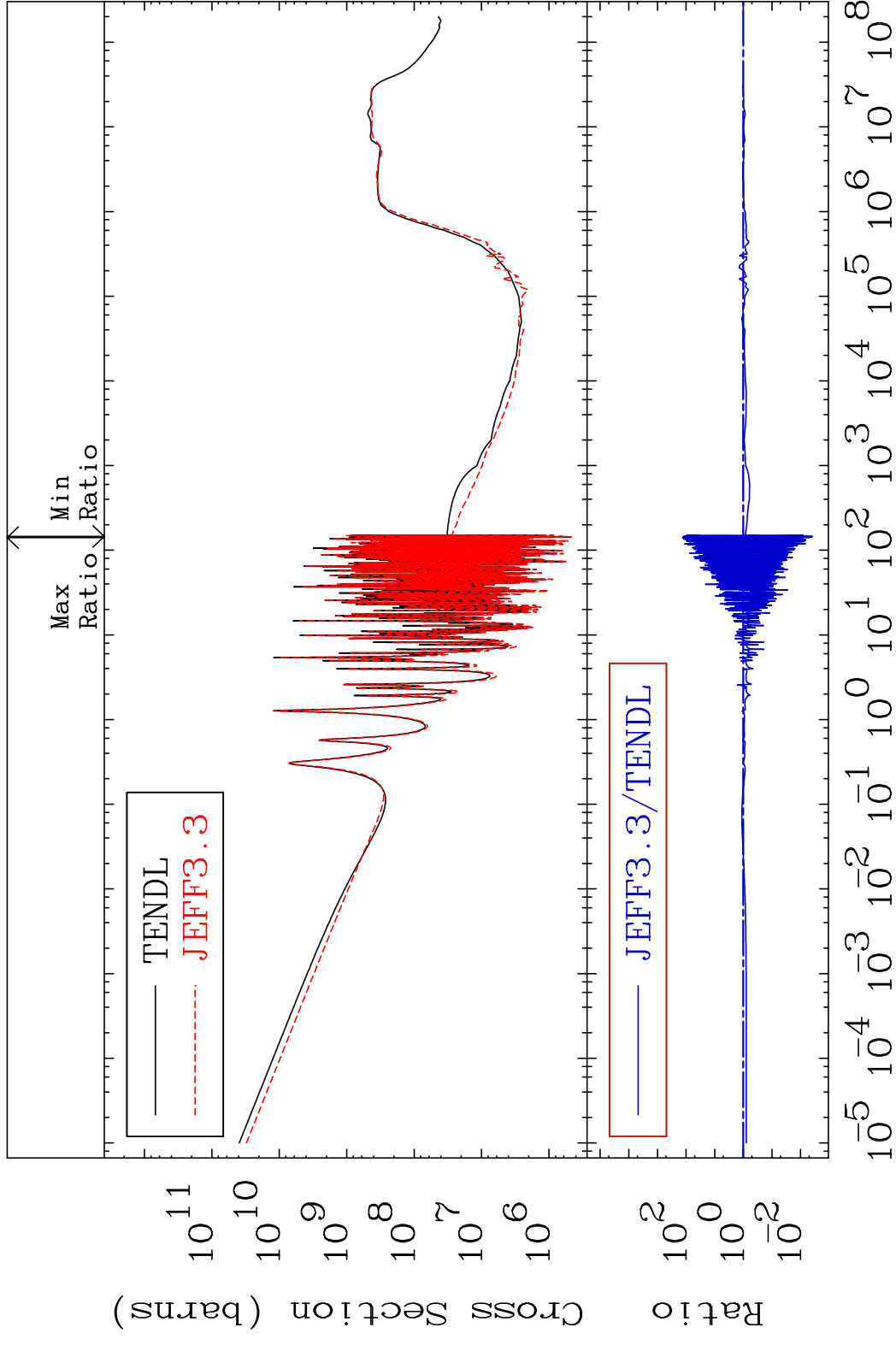
50

Incident Energy (eV)

95-Am-241

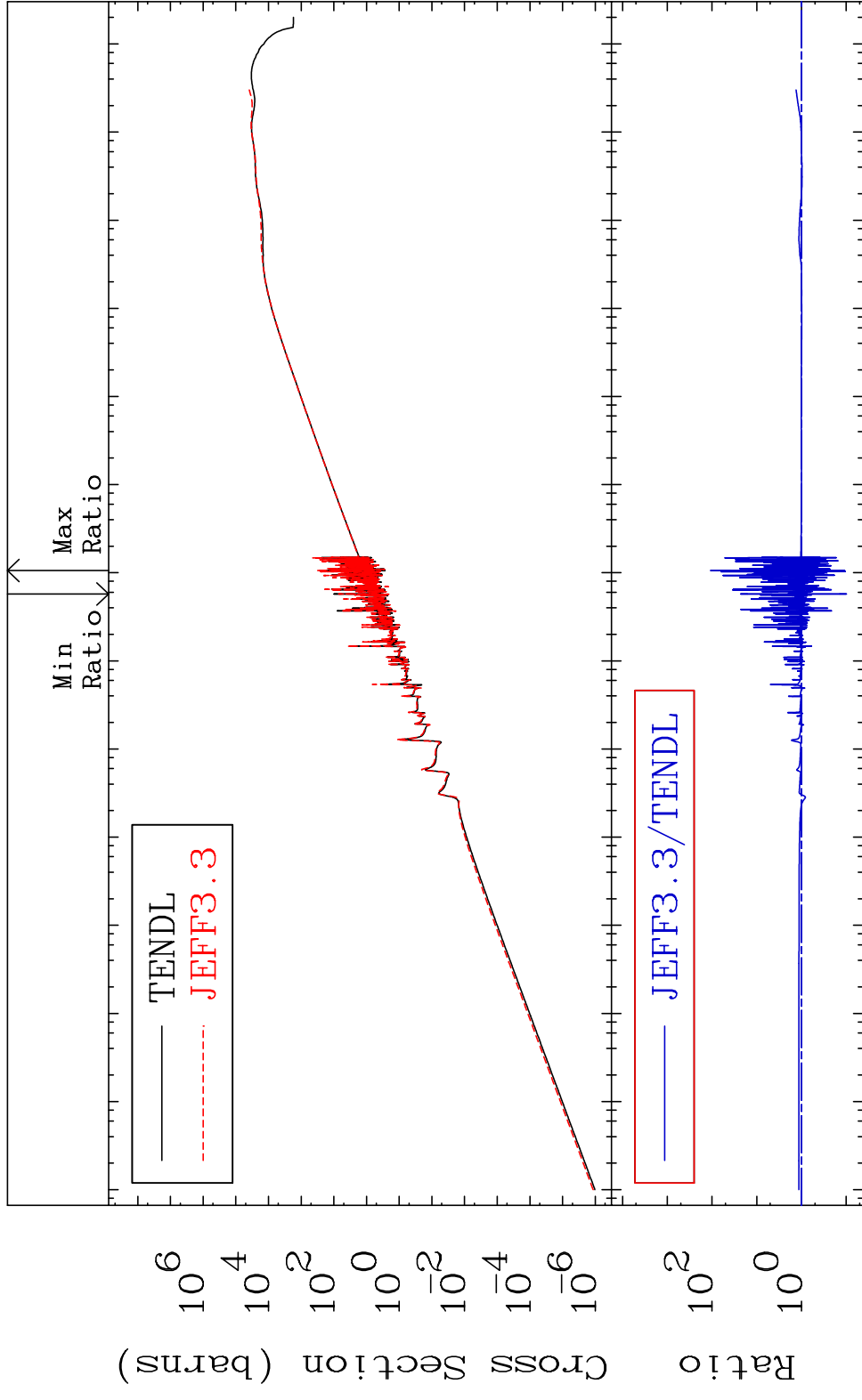
MAT 9543

Kerma total (eV-barns) 95-Am-241
Cross Section -99.62 To 9999. %



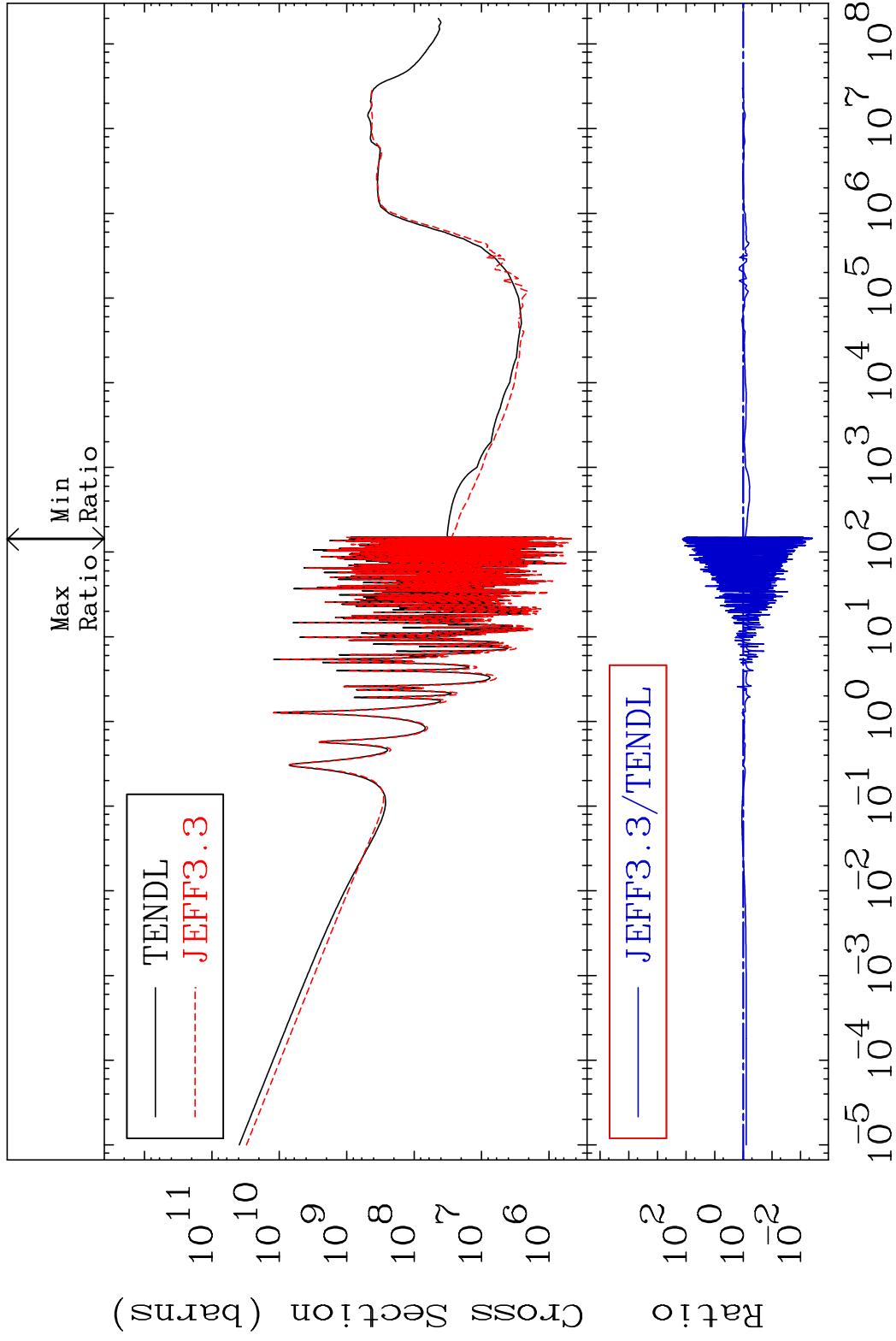
MAT 9543

Kerma elastic Cross Section -90.06 To 9999. %
95-Am-241

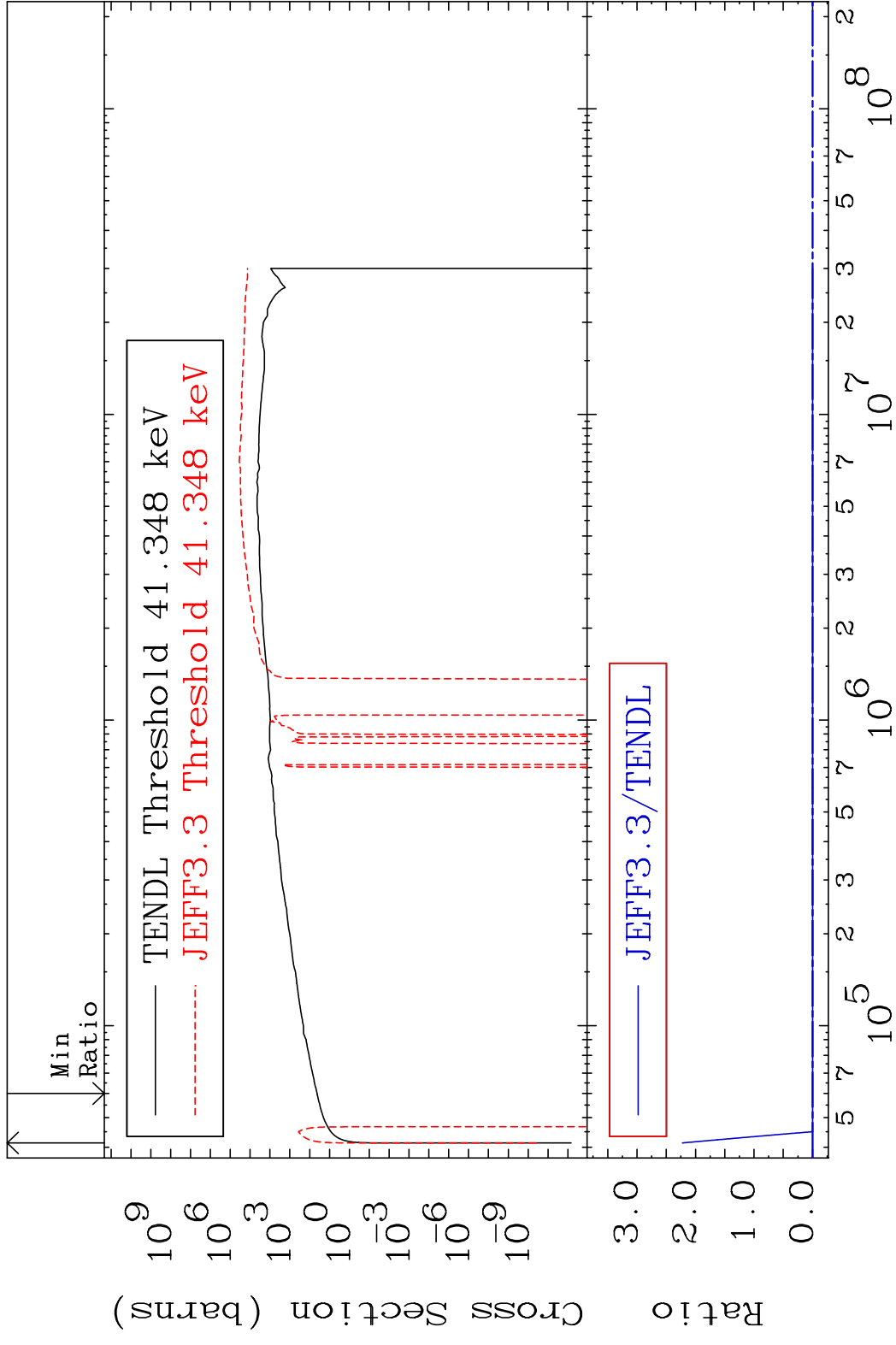


Ratio
10²
10⁰
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV)

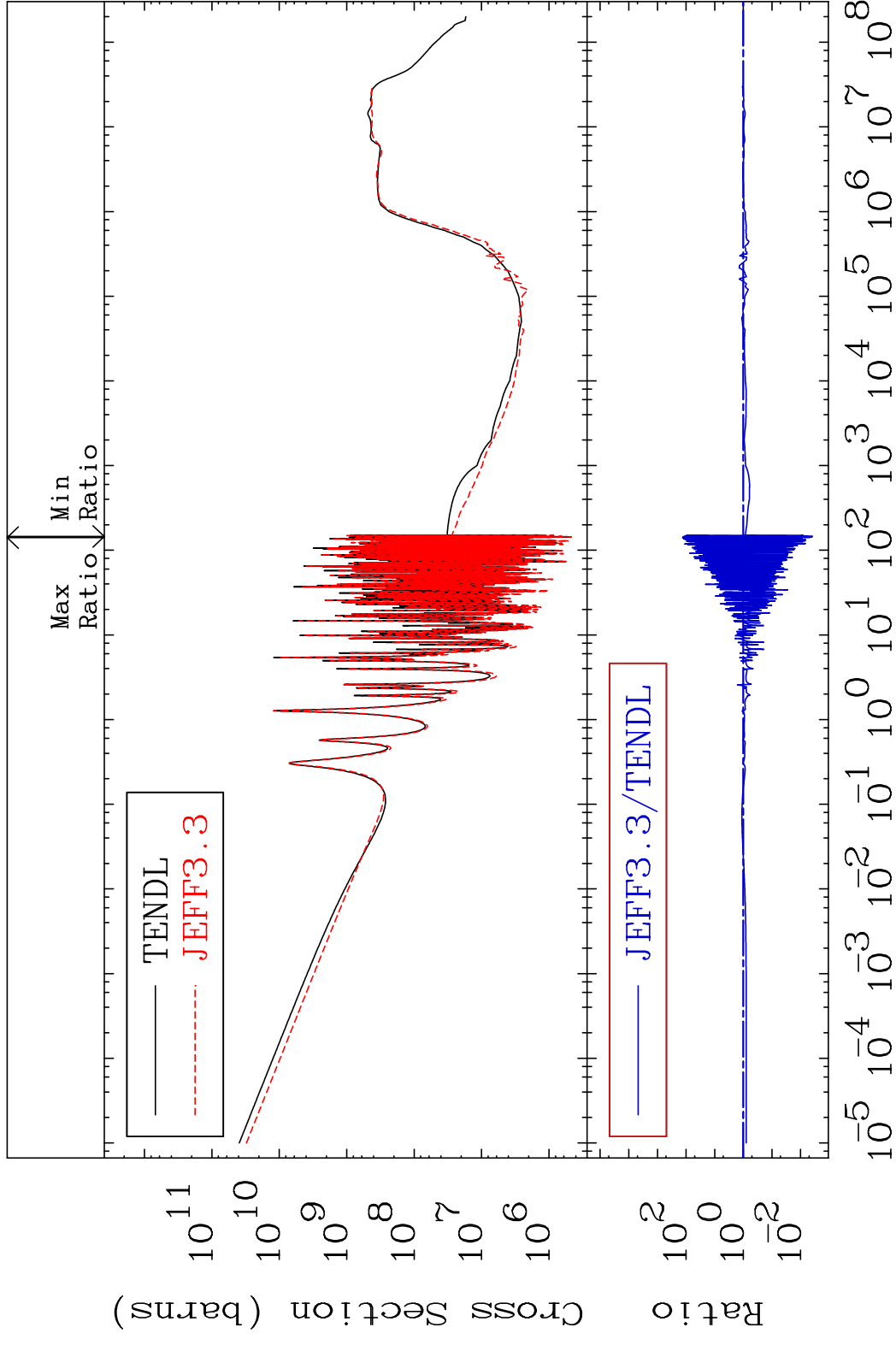
MAT 9543 Kerma non-elastic (all but mt2) 95-Am-241
 Cross Section -99.62 To 9999. %



MAT 9543 Kerma inelastic (mt51-91) 95-Am-241
 Cross Section -8025. To 9999. %

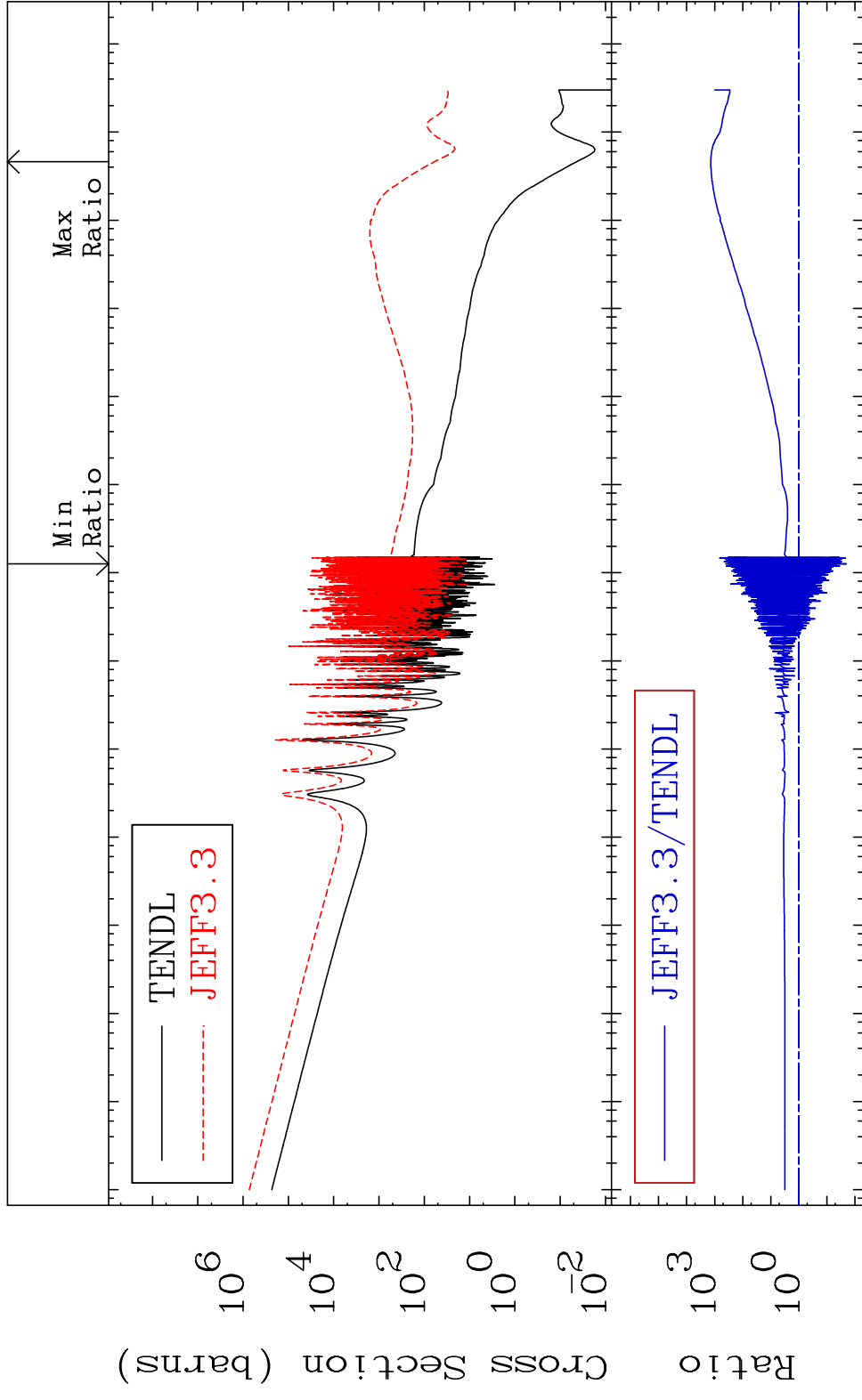


MAT 9543 Kerma fission (mt18 or mt19-20-21-38) 95-Am-241
 Cross Section -99.62 To 9999. %



MAT 9543

Kerma capture (mt102) 95-Am-241
Cross Section -97.98 To 9999. %

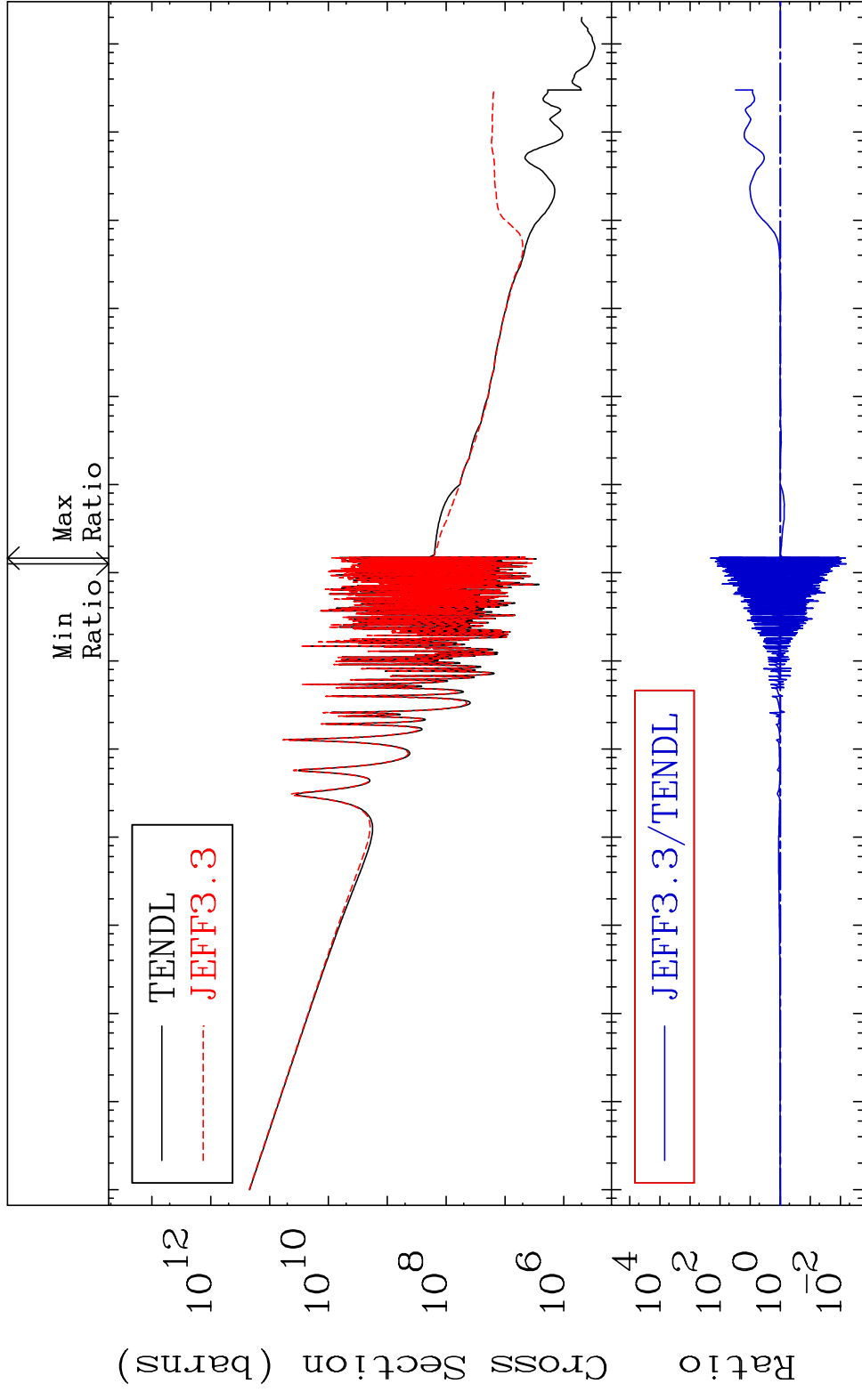


56

Incident Energy (eV)

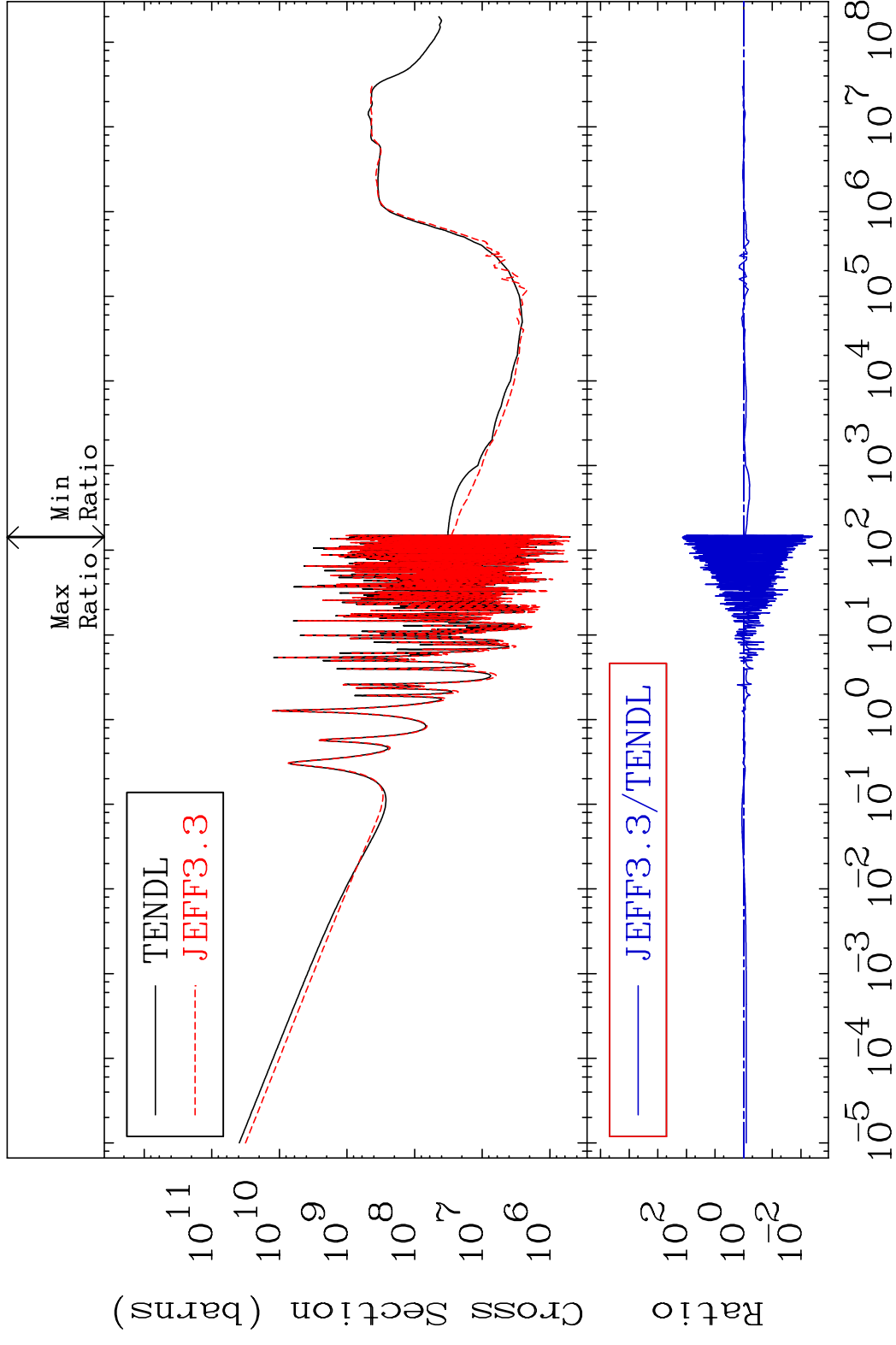
95-Am-241

MAT 9543 Total photon (eV-barns) 95-Am-241
 Cross Section -99.36 To 9999. %



57 Incident Energy (eV) 95-Am-241

MAT 9543 Total kinematic kerma (high limit) 95-Am-241
 Cross Section -99.61 To 9999. %

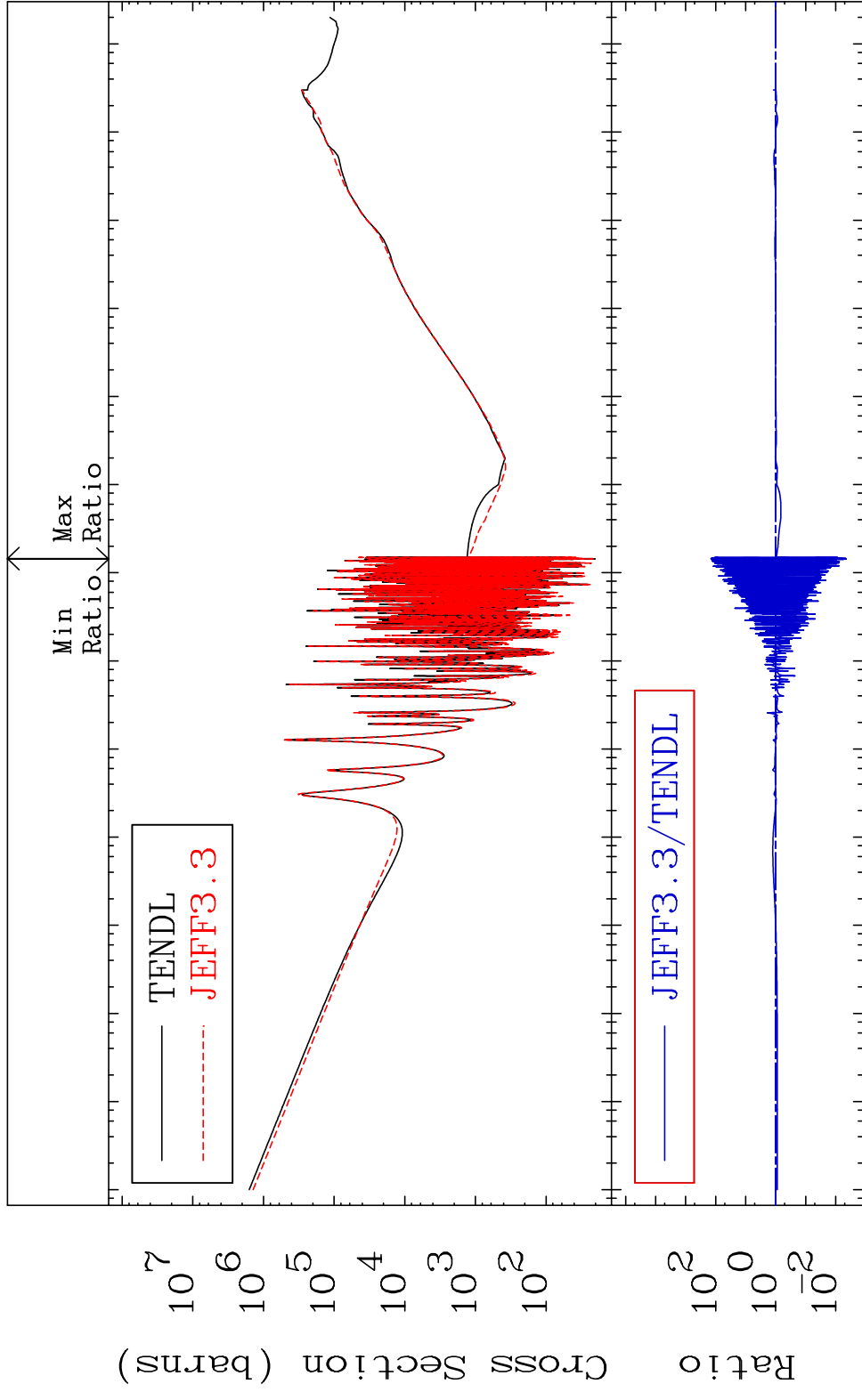


MAT 9543

Dpa total (eV-barns)

95-Am-241

Cross Section -99.56 To 9999. %



59

Incident Energy (eV)

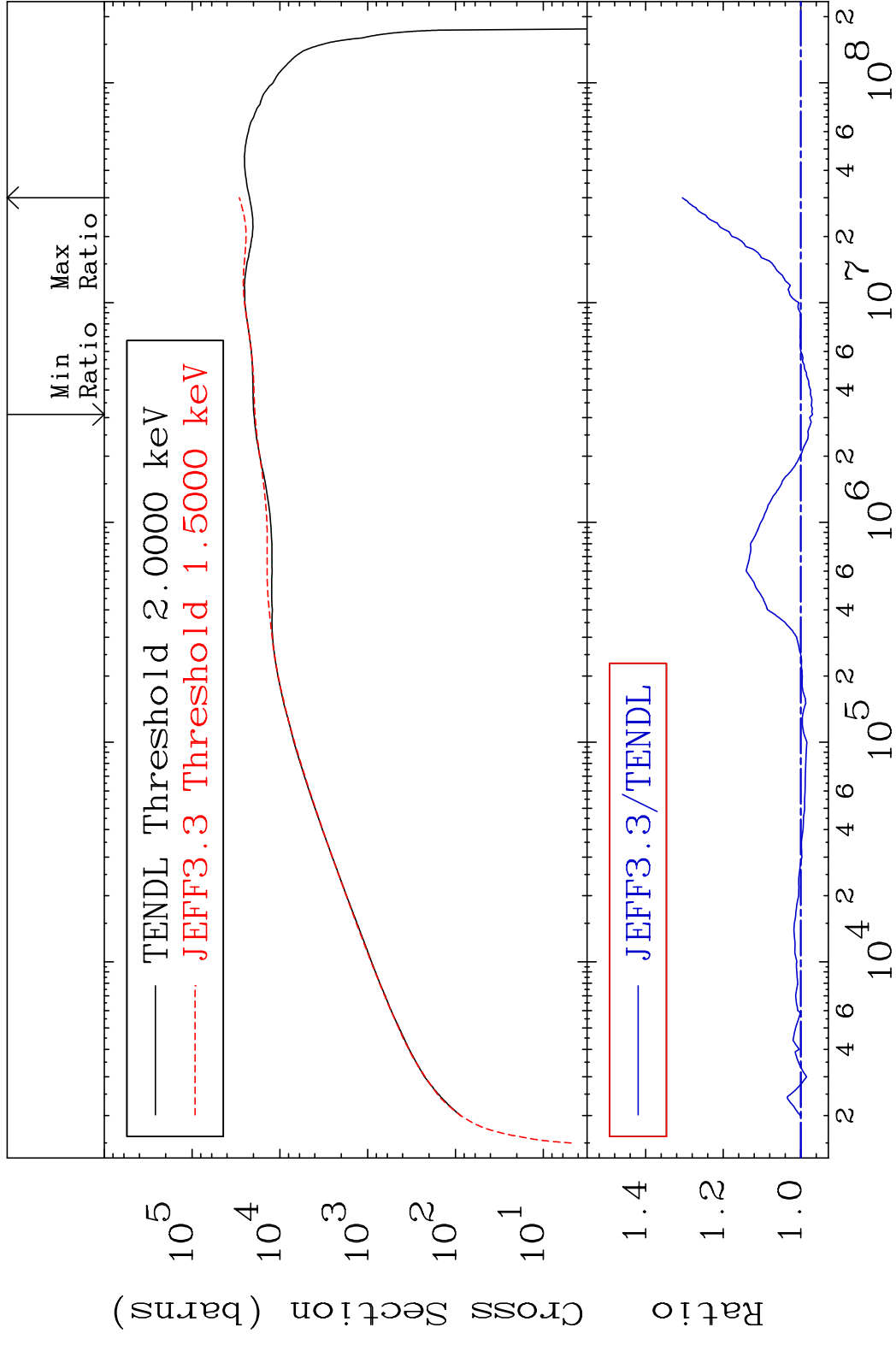
95-Am-241

MAT 9543

Dpa elastic (mt2)

95-Am-241

Cross Section -3.043 To 30.54 %

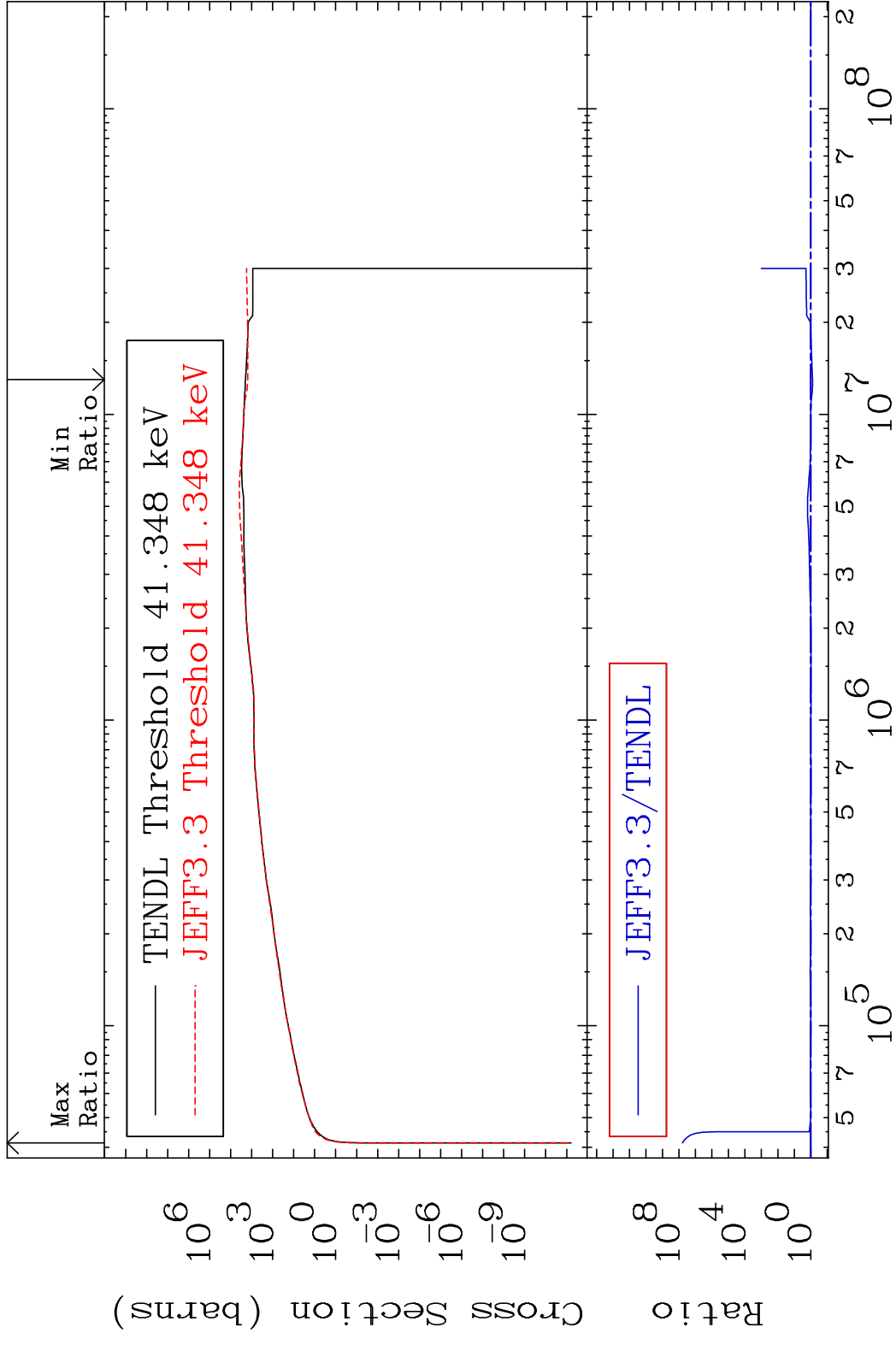


60

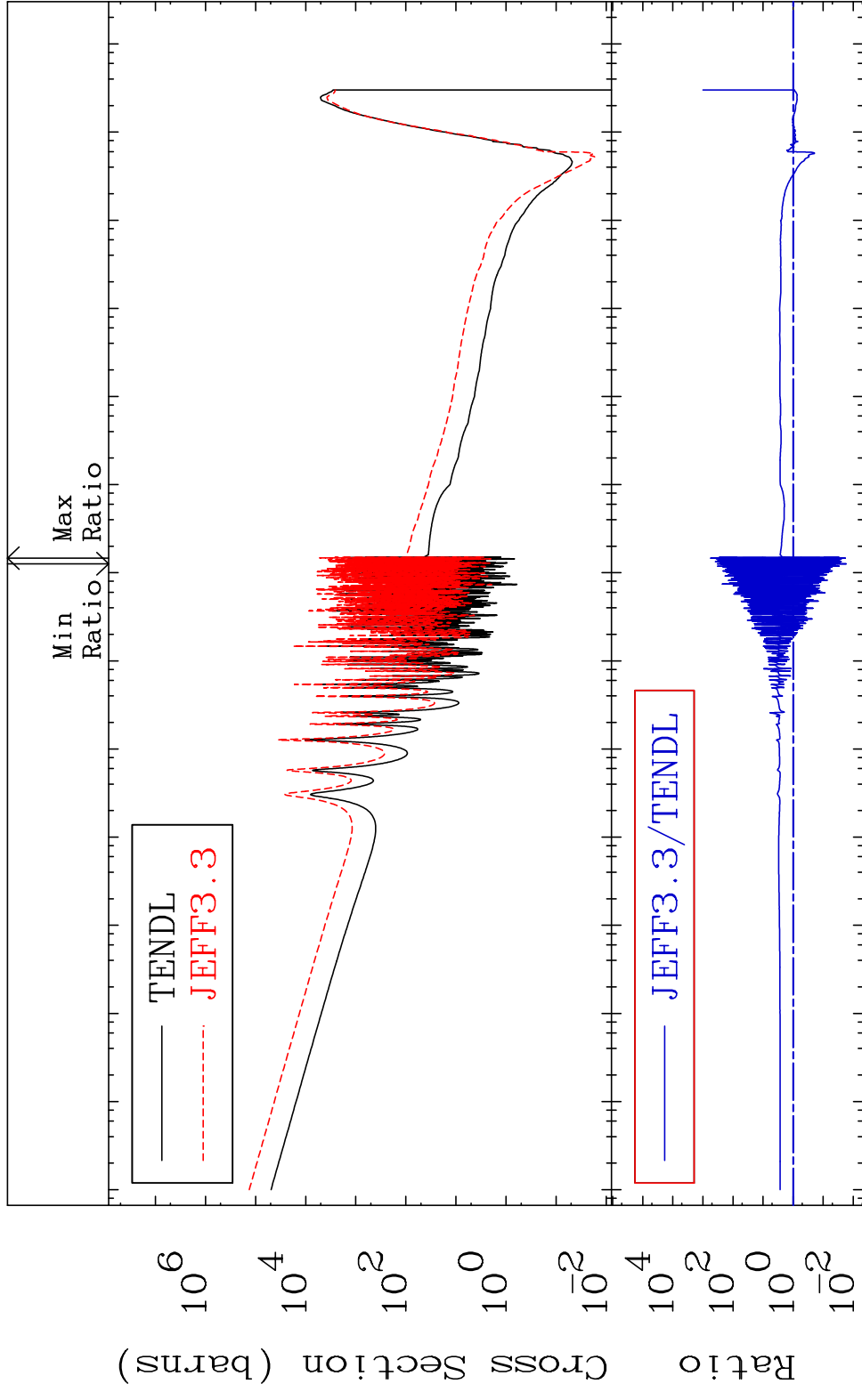
Incident Energy (eV)

95-Am-241

MAT 9543 Dpa inelastic (mt51-91) 95-Am-241
 Cross Section -21.92 To 9999. %



MAT 9543 Dpa disappearance (mt102 -120) 95-Am-241
 Cross Section -98.30 To 9999. %



62 Incident Energy (eV) 95-Am-241