

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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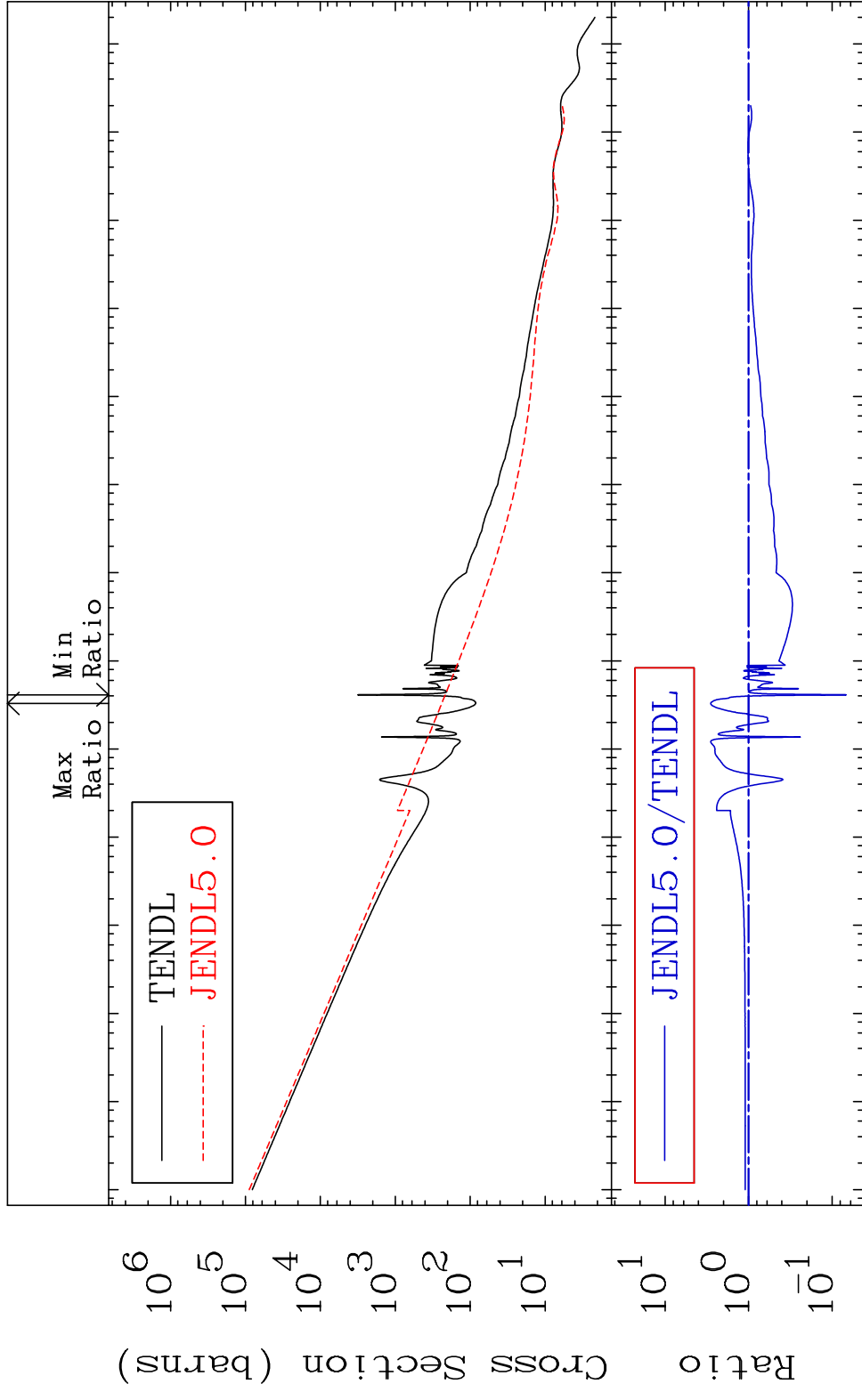
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9540

Total
Cross Section -93.23 To 184.2 %

95-Am-240



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

Incident Energy (eV)

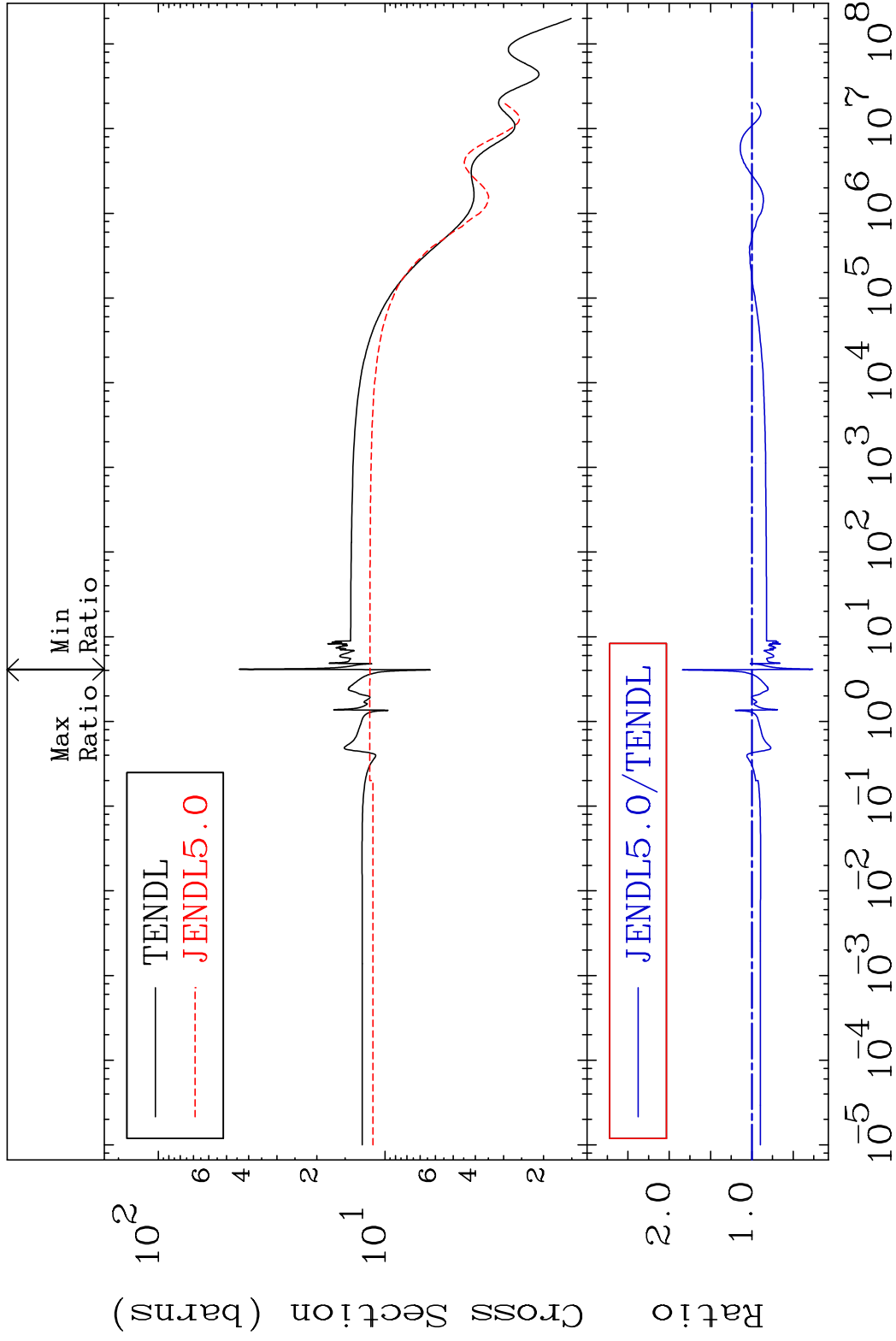
95-Am-240

MAT 9540

Elastic

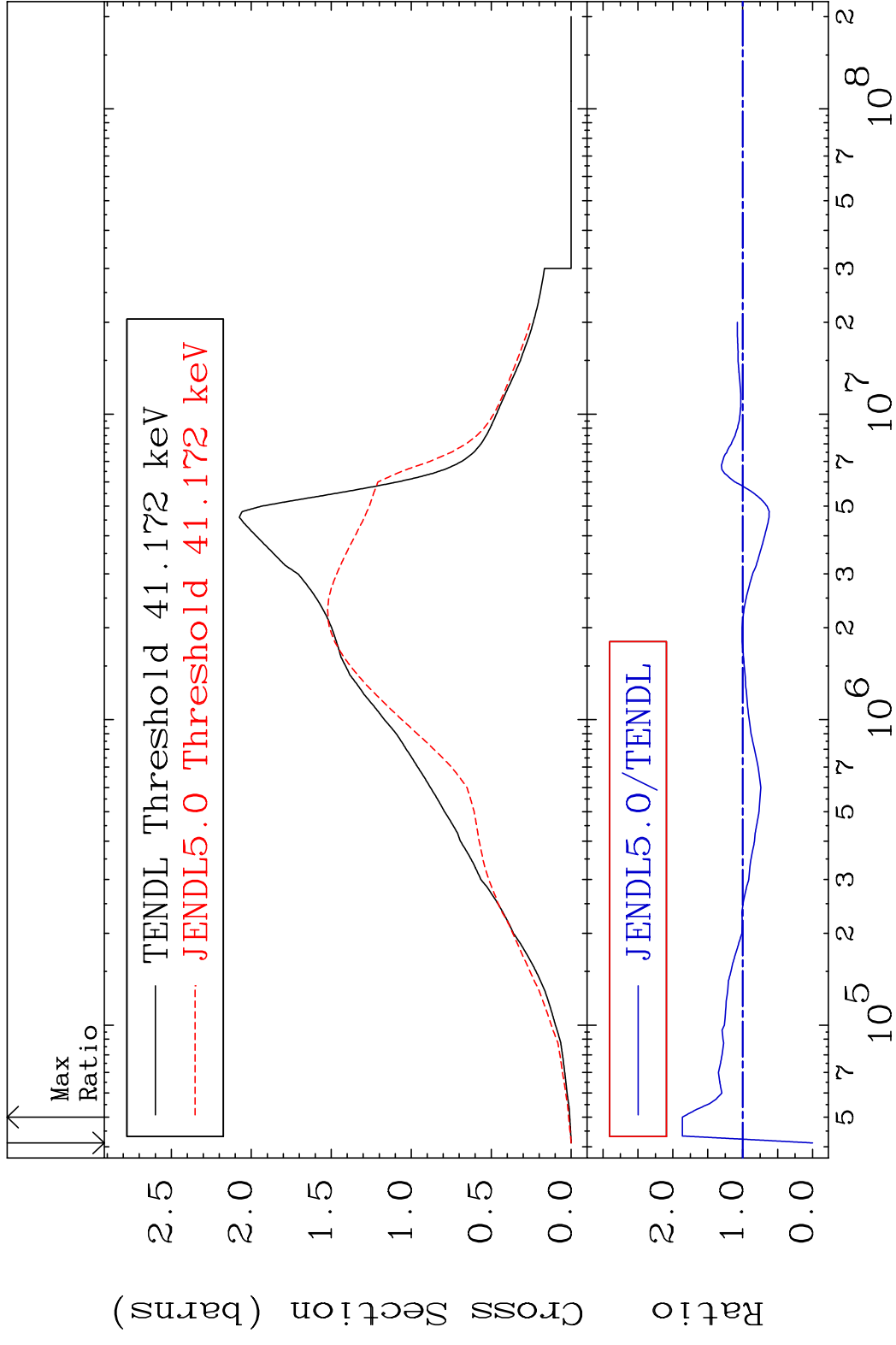
95-Am-240

Cross Section -73.45 To 84.13 %

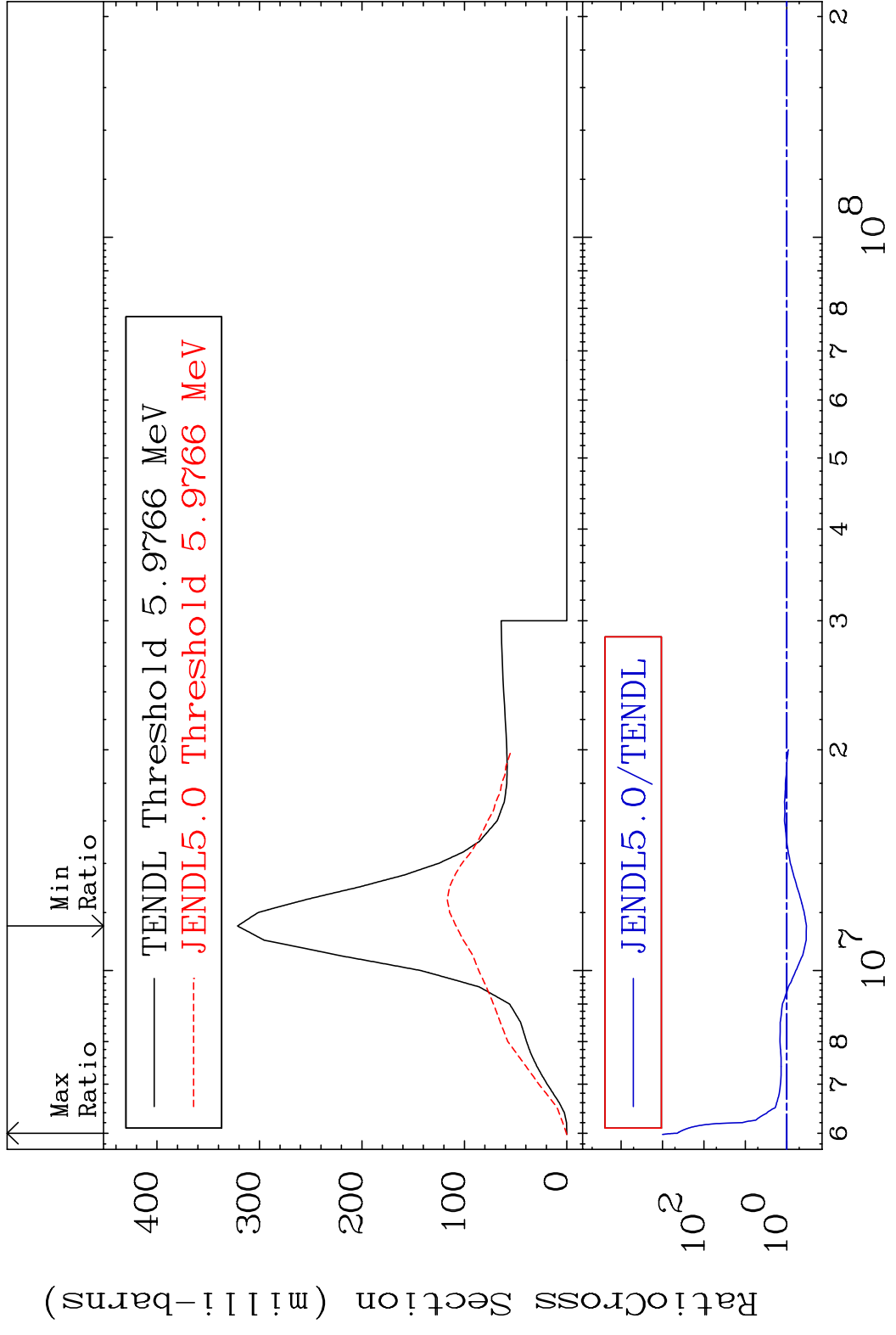


2

MAT 9540 Inelastic 95-Am-240
 Cross Section -100.0 To 86.40 %



MAT 9540 (n,2n) 95-Am-240
 Cross Section -66.35 To 9999. %



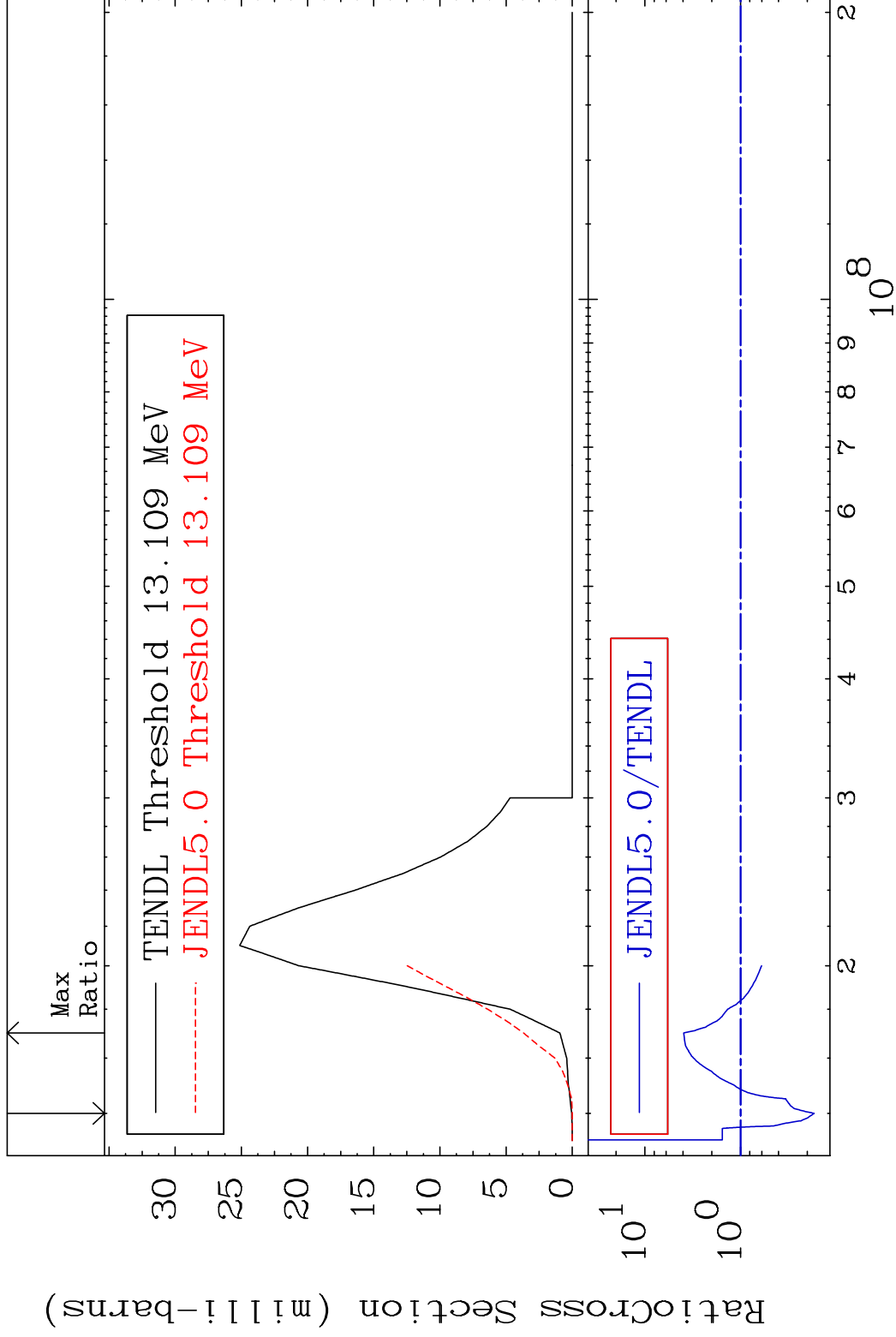
4 Incident Energy (eV) 95-Am-240

MAT 9540

(n,3n)

95-Am-240

Cross Section -82.97 To 292.9 %

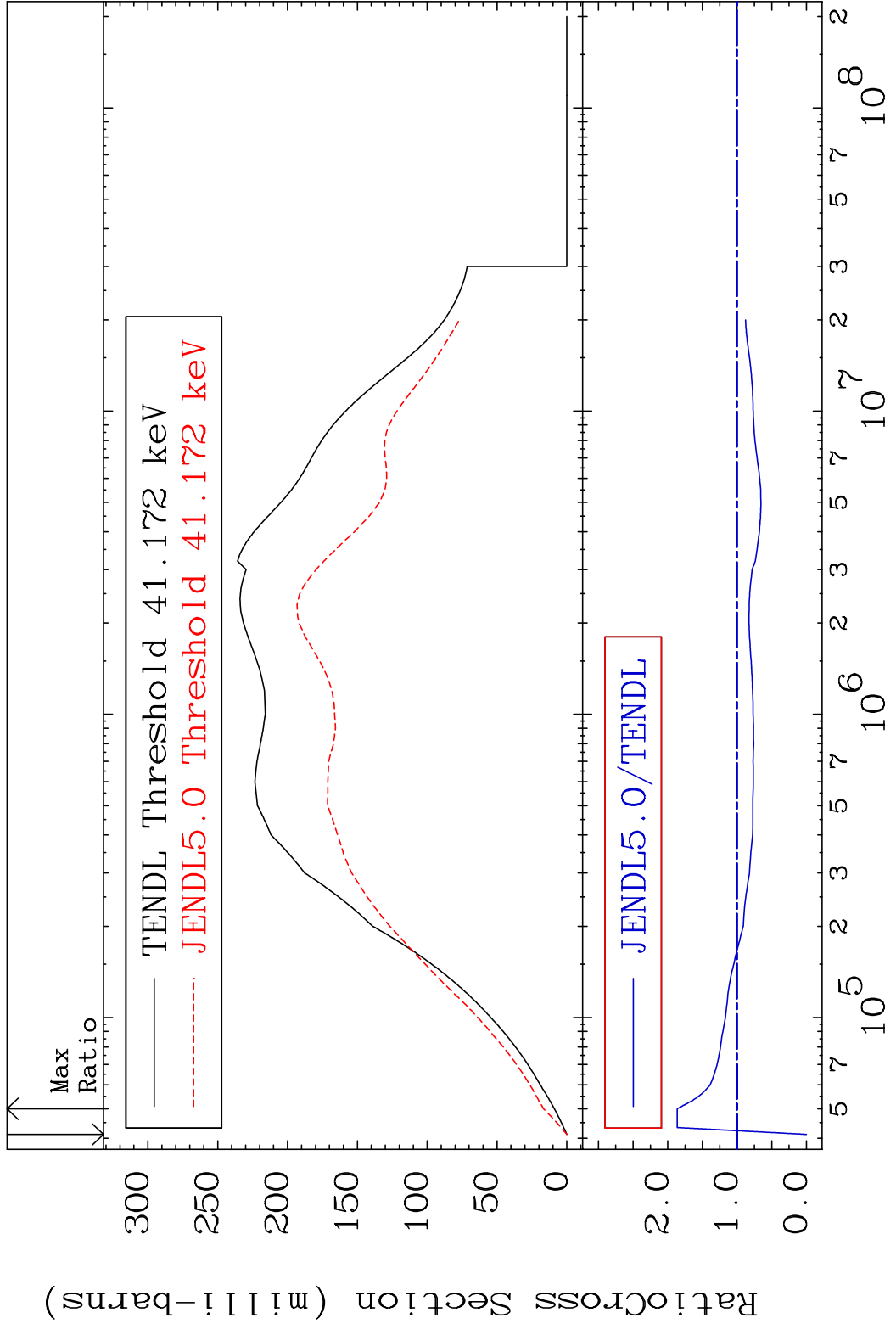


5

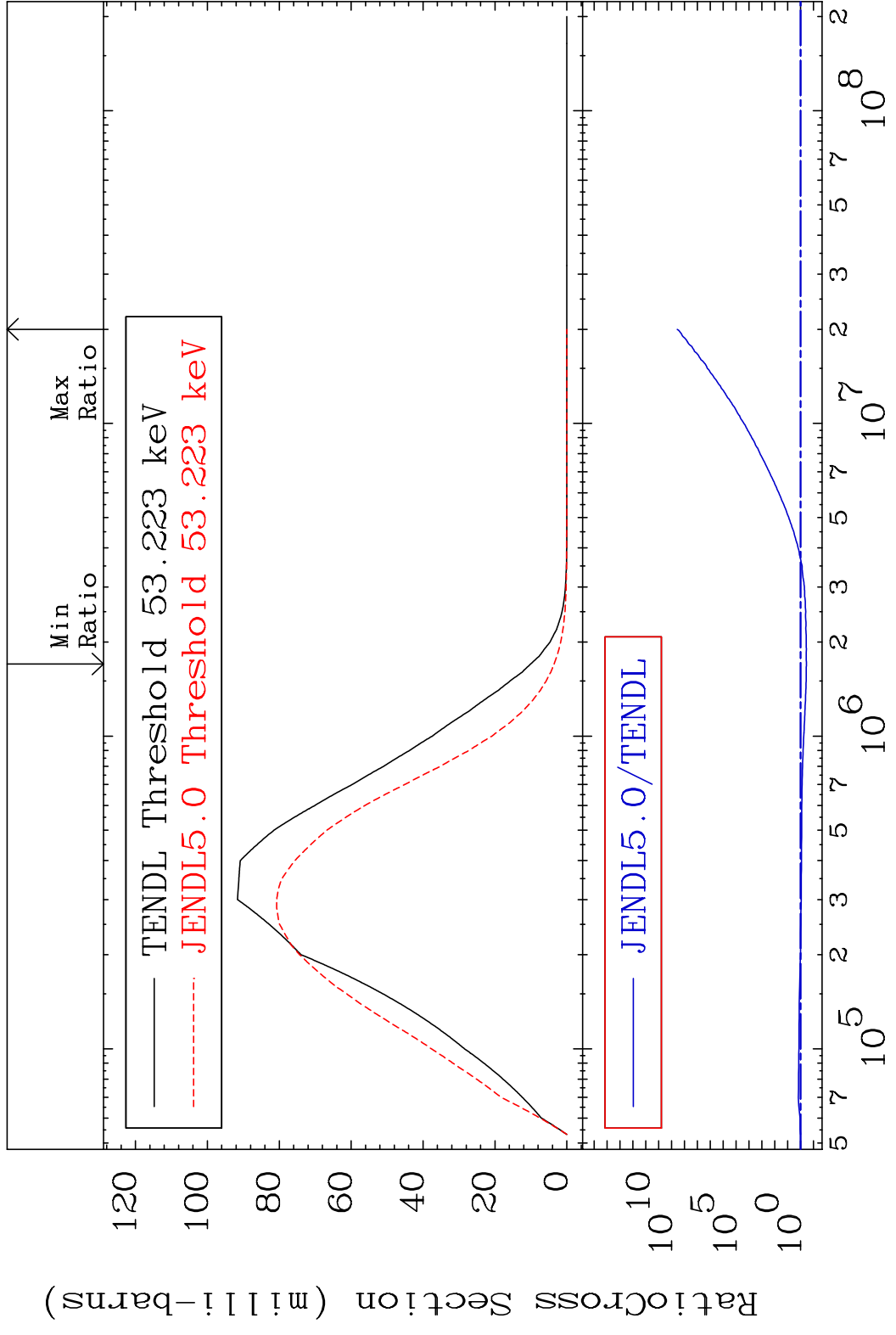
Incident Energy (eV)

95-Am-240

MAT 9540 MT= 51 (n,n') Level 95-Am-240
 Cross Section -100.0 To 86.40 %

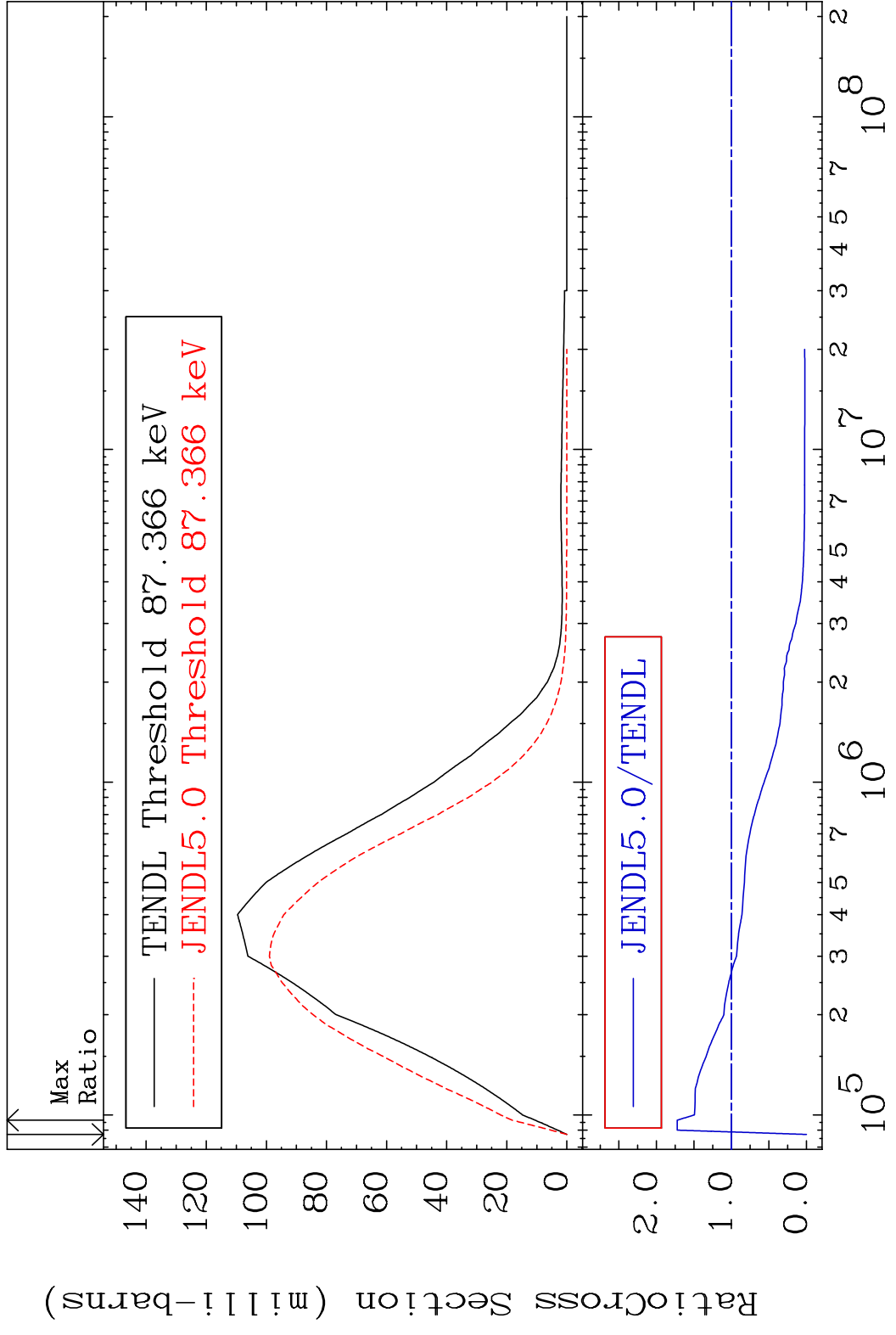


MAT 9540 MT= 52 (n, n') Level 95-Am-240
 Cross Section -65.09 To 9999. %

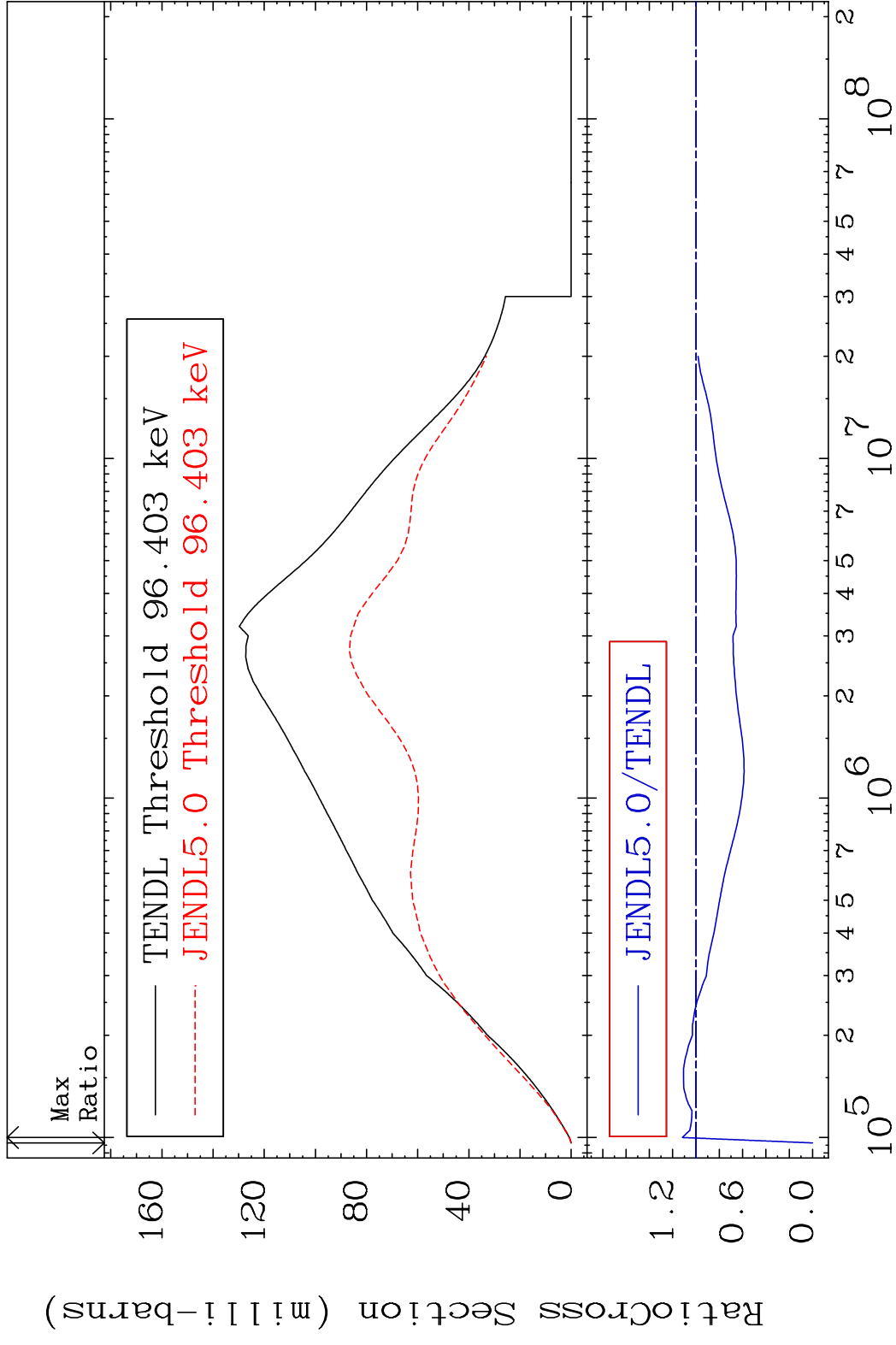


8 Incident Energy (eV) 95-Am-240

MAT 9540 MT= 53 (n, n') Level 95-Am-240
 Cross Section -100.0 To 72.32 %

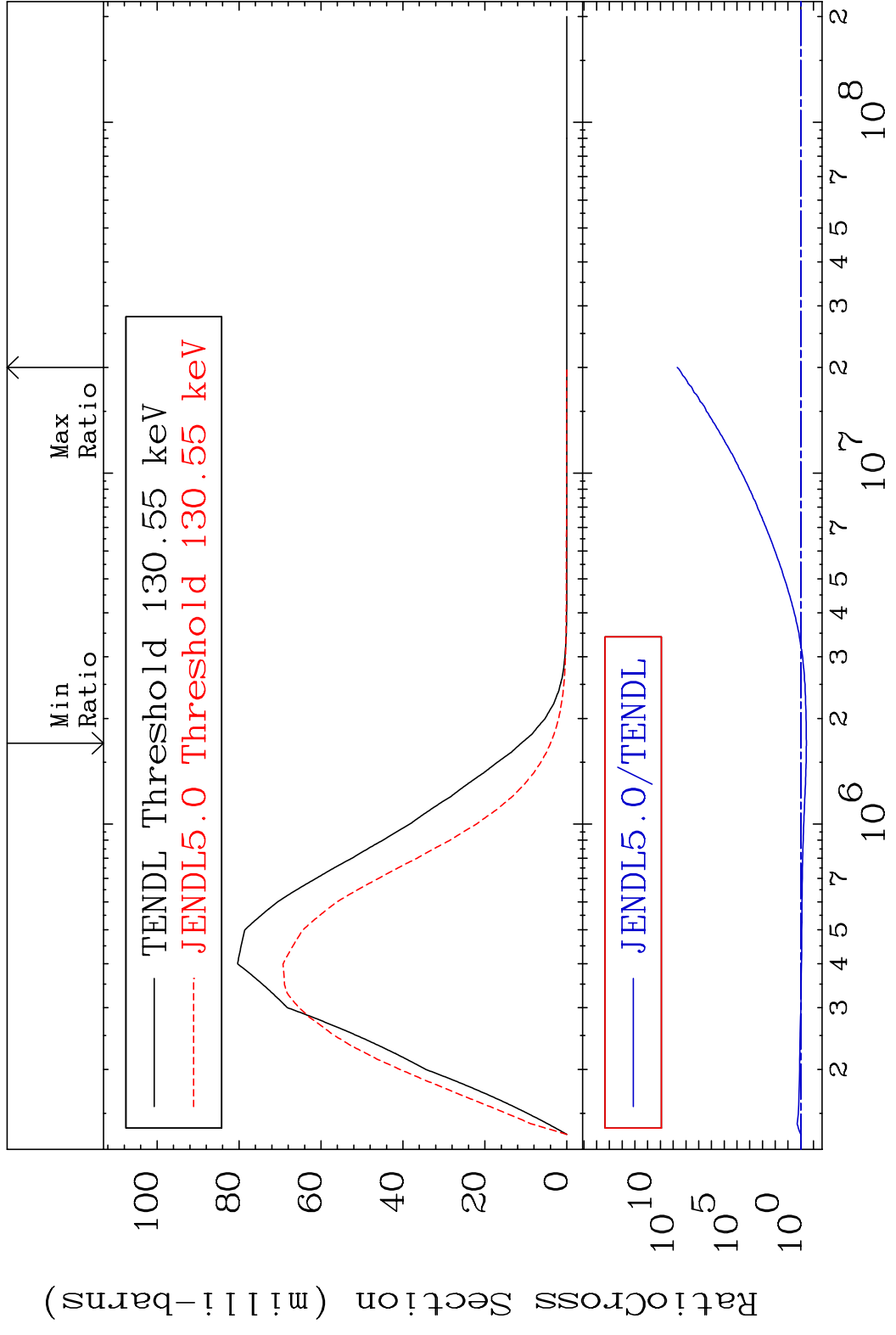


MAT 9540 MT= 54 (n, n') Level 95-Am-240
 Cross Section -100.0 To 11.71 %

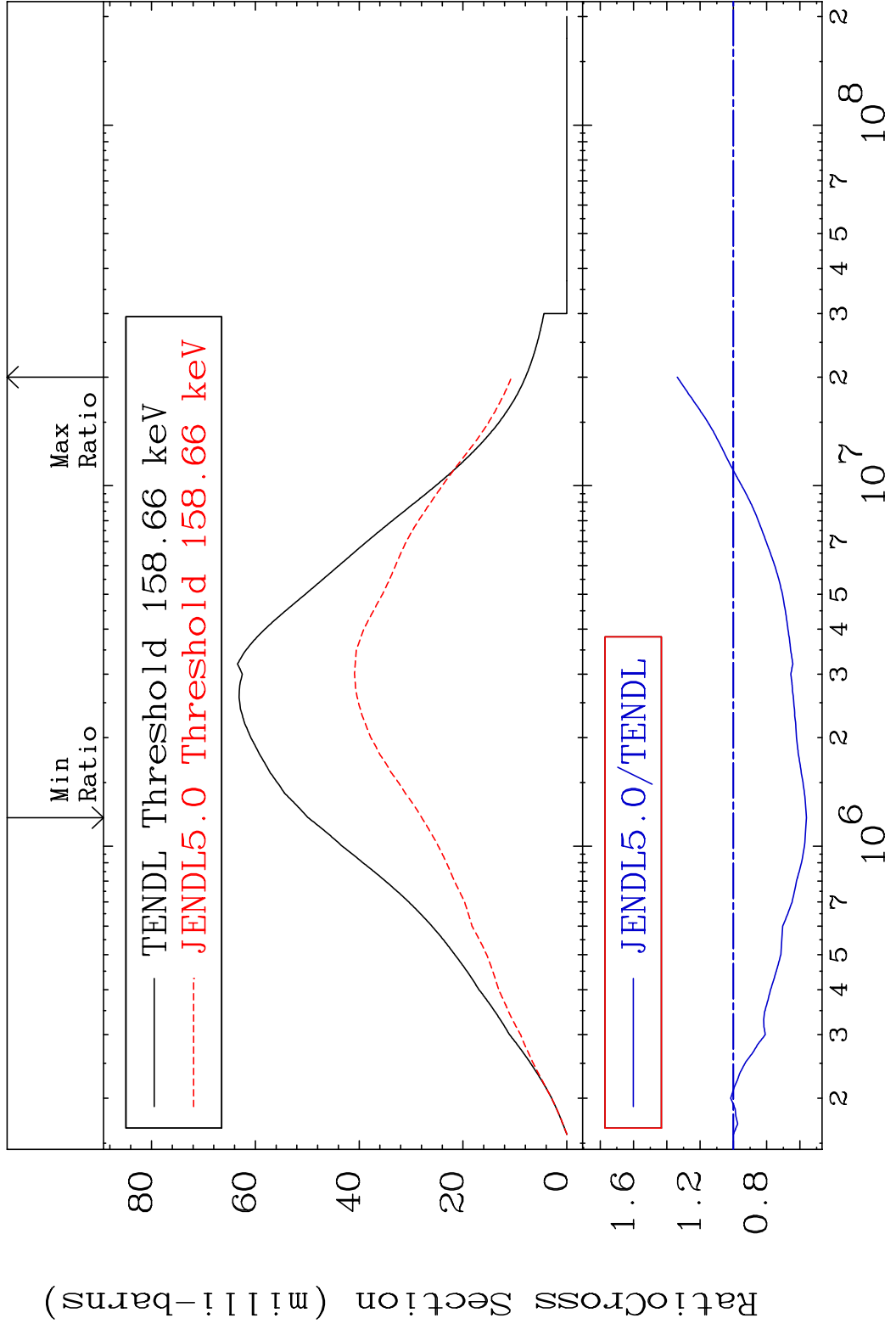


10 Incident Energy (eV) 95-Am-240

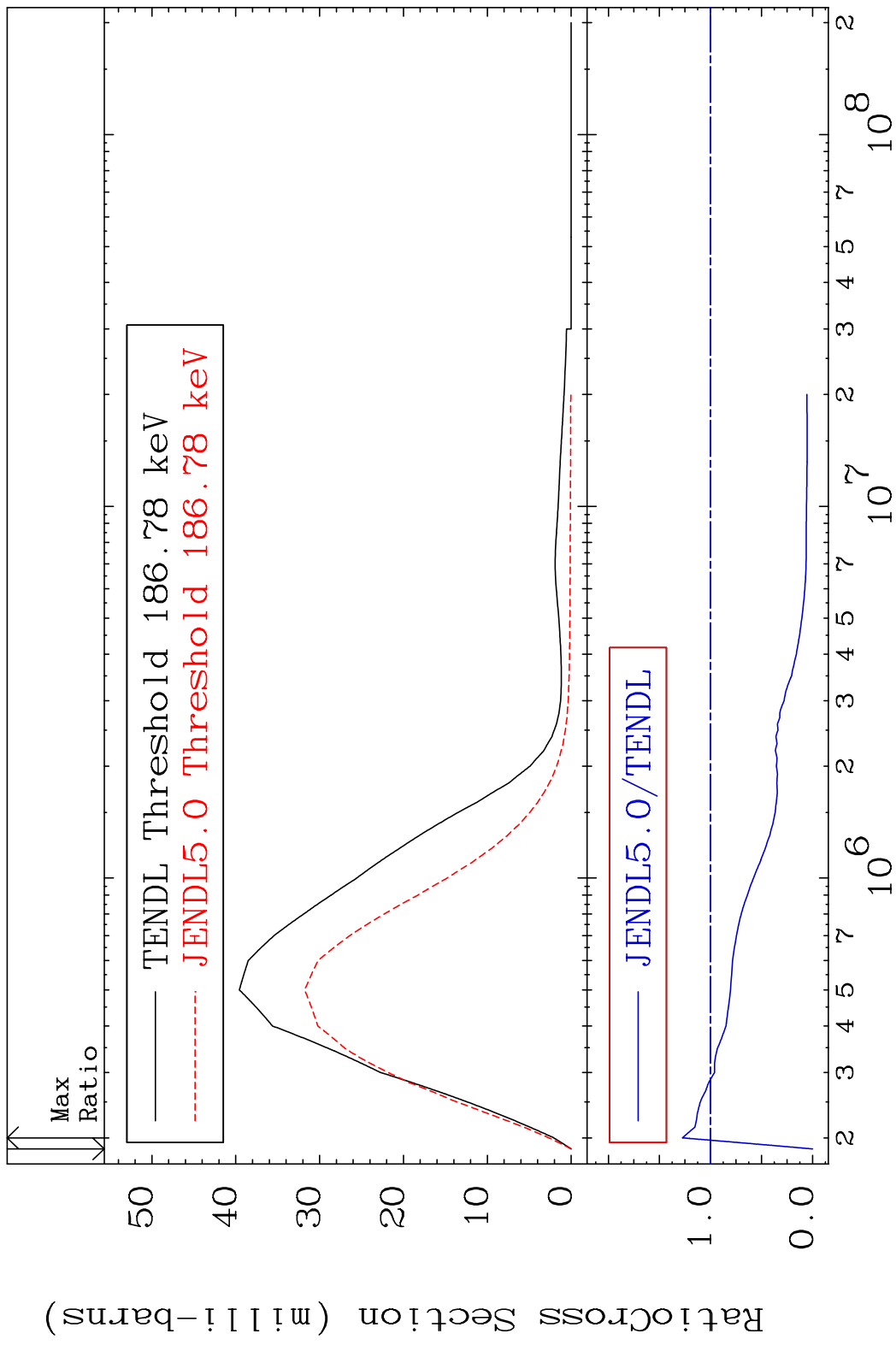
MAT 9540 MT= 55 (n,n') Level 95-Am-240
 Cross Section -64.29 To 9999. %



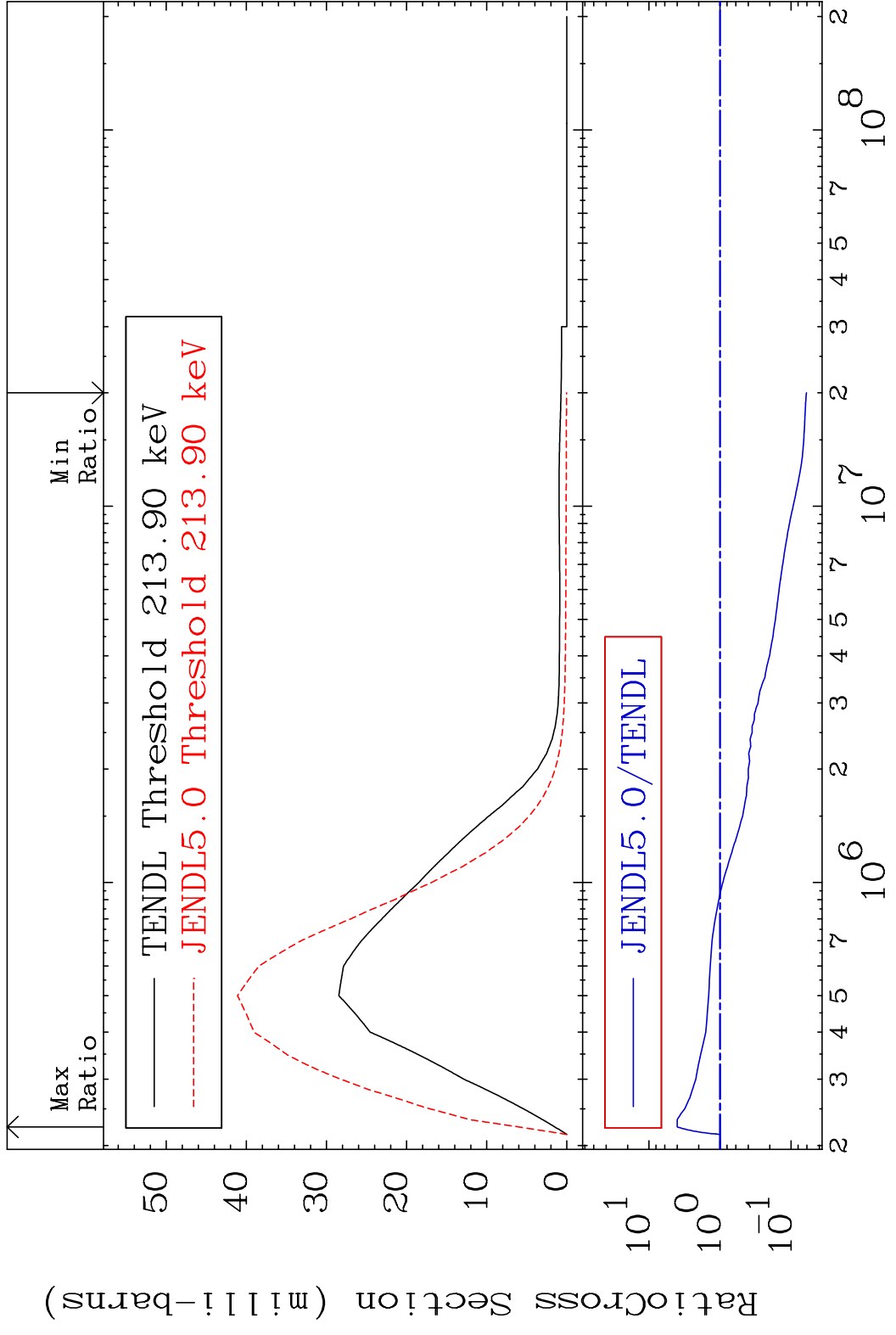
MAT 9540 MT= 56 (n, n') Level 95-Am-240
 Cross Section -43.91 To 33.76 %



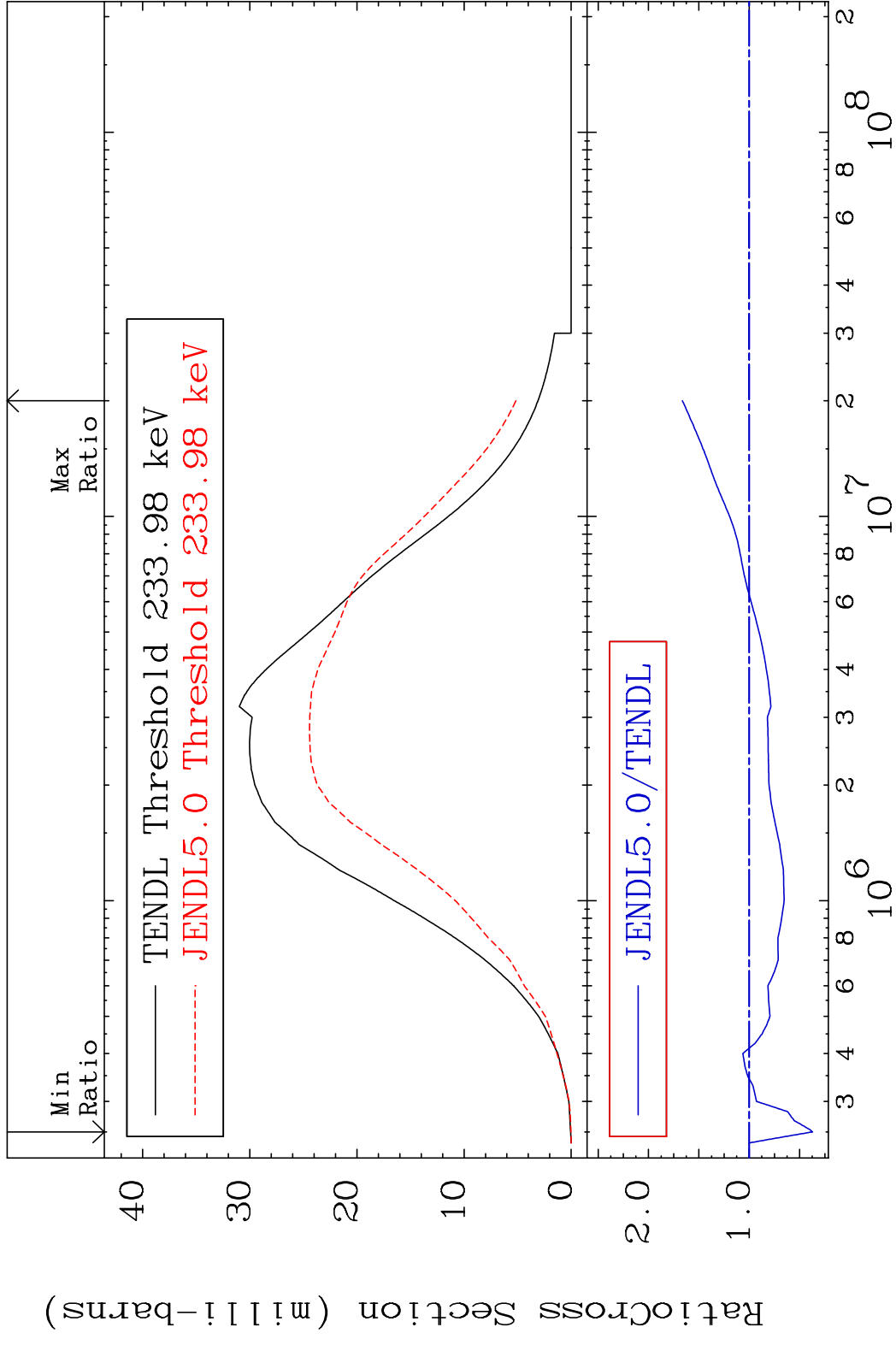
MAT 9540 MT= 57 (n,n') Level 95-Am-240
 Cross Section -100.0 To 27.55 %



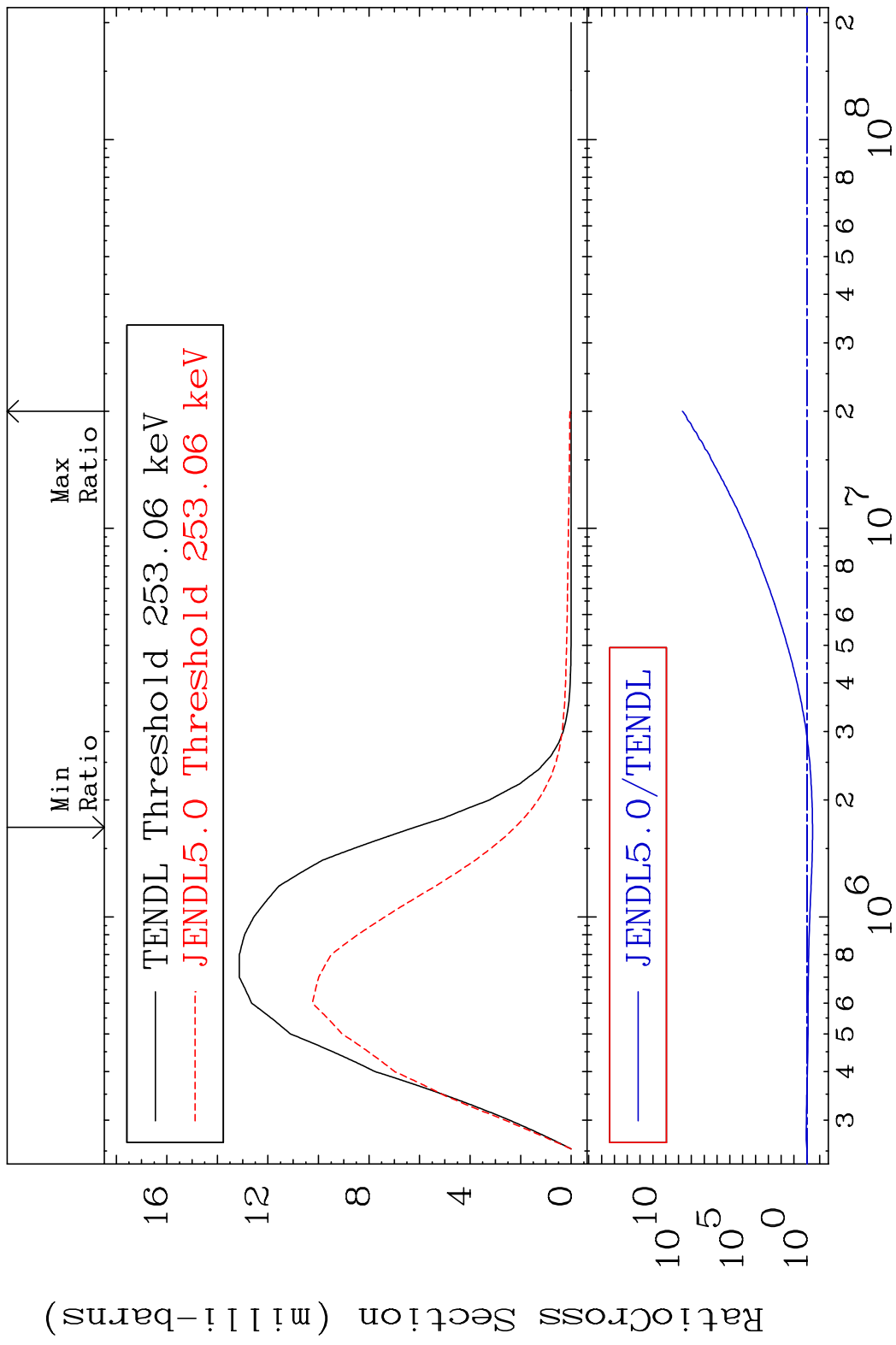
MAT 9540 MT= 58 (n,n') Level 95-Am-240
 Cross Section -93.90 To 301.6 %



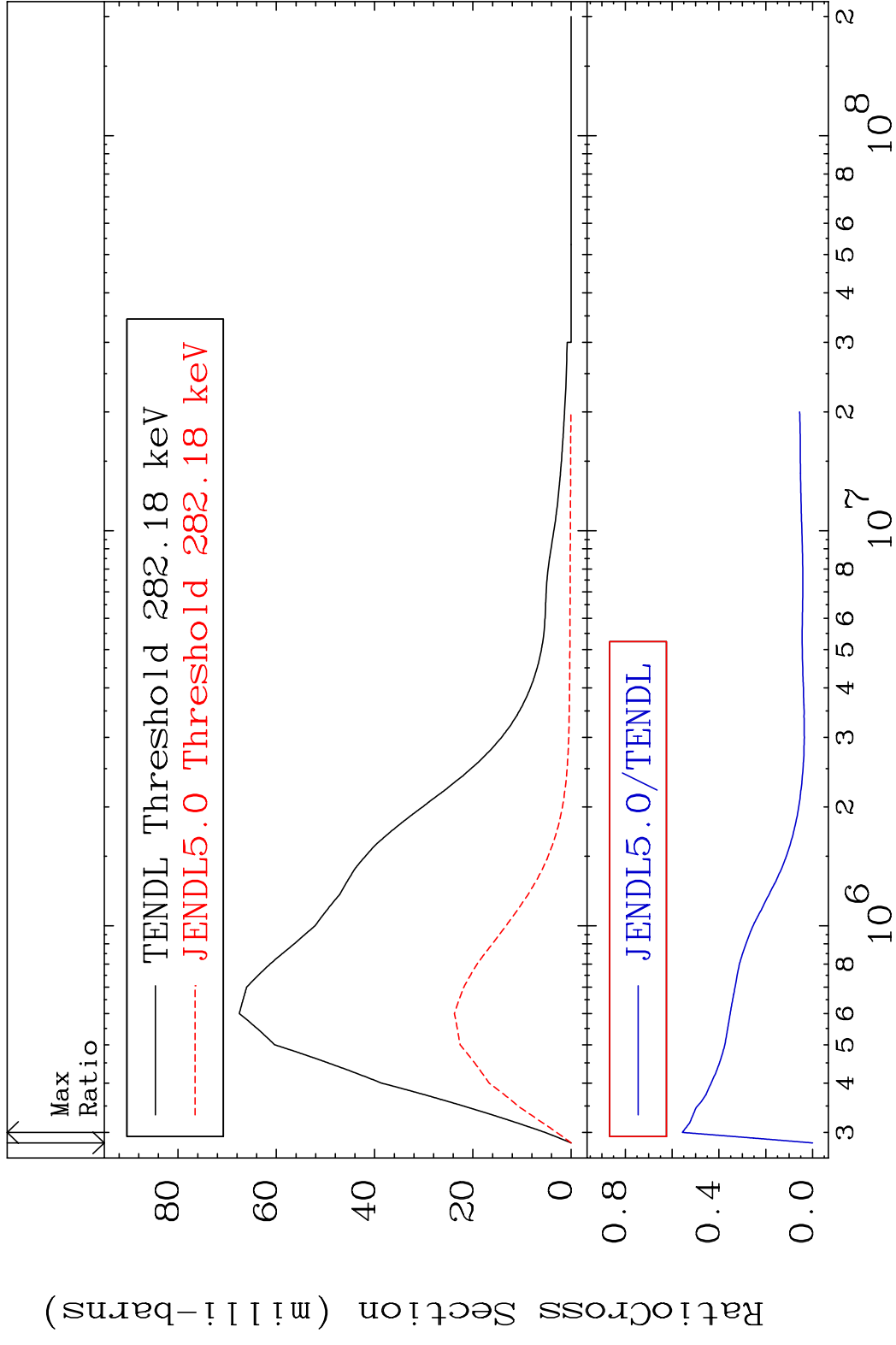
MAT 9540 MT= 59 (n, n') Level 95-Am-240
 Cross Section -62.83 To 66.40 %



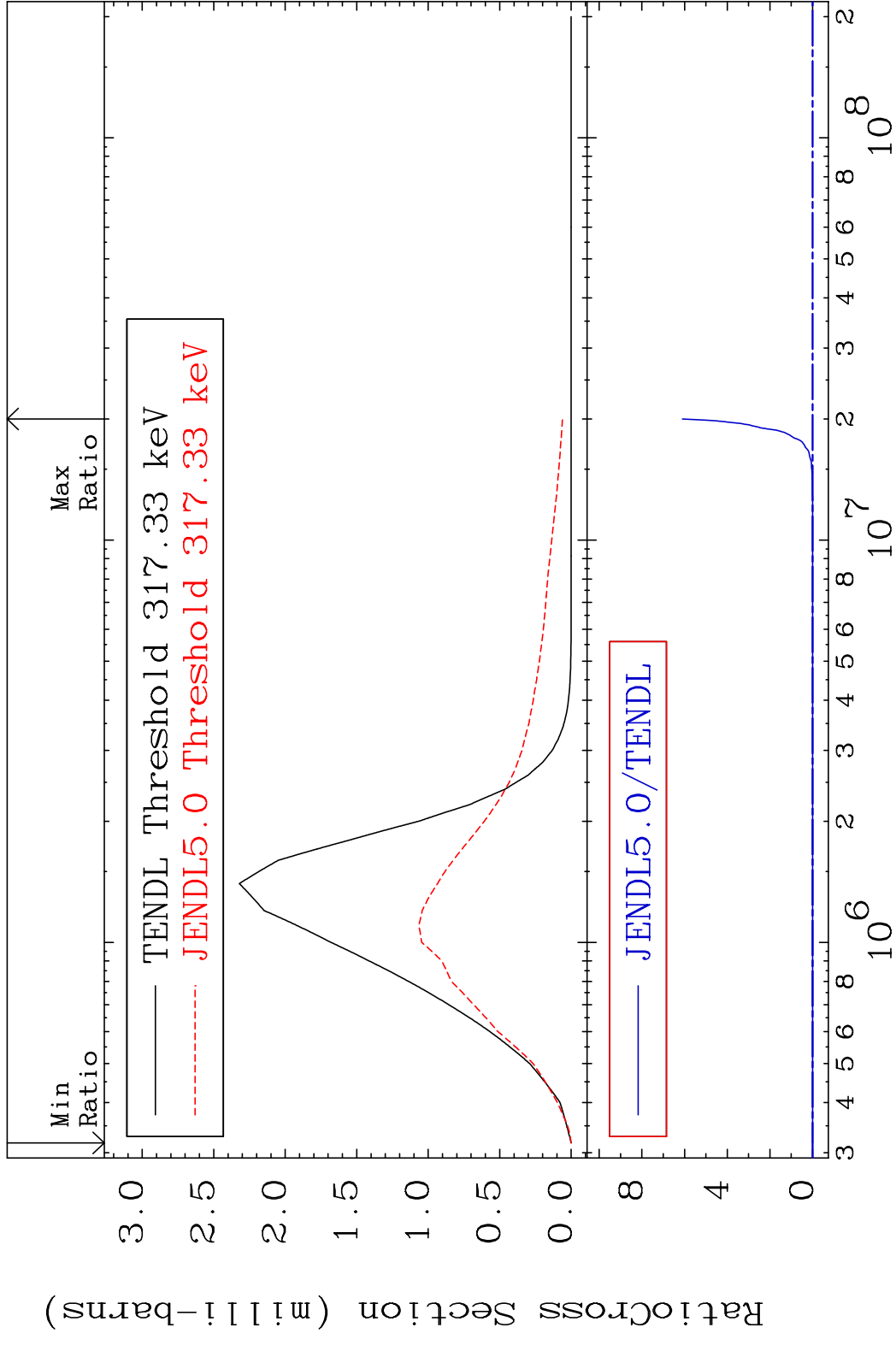
MAT 9540 MT= 60 (n, n') Level 95-Am-240
 Cross Section -64.21 To 9999. %



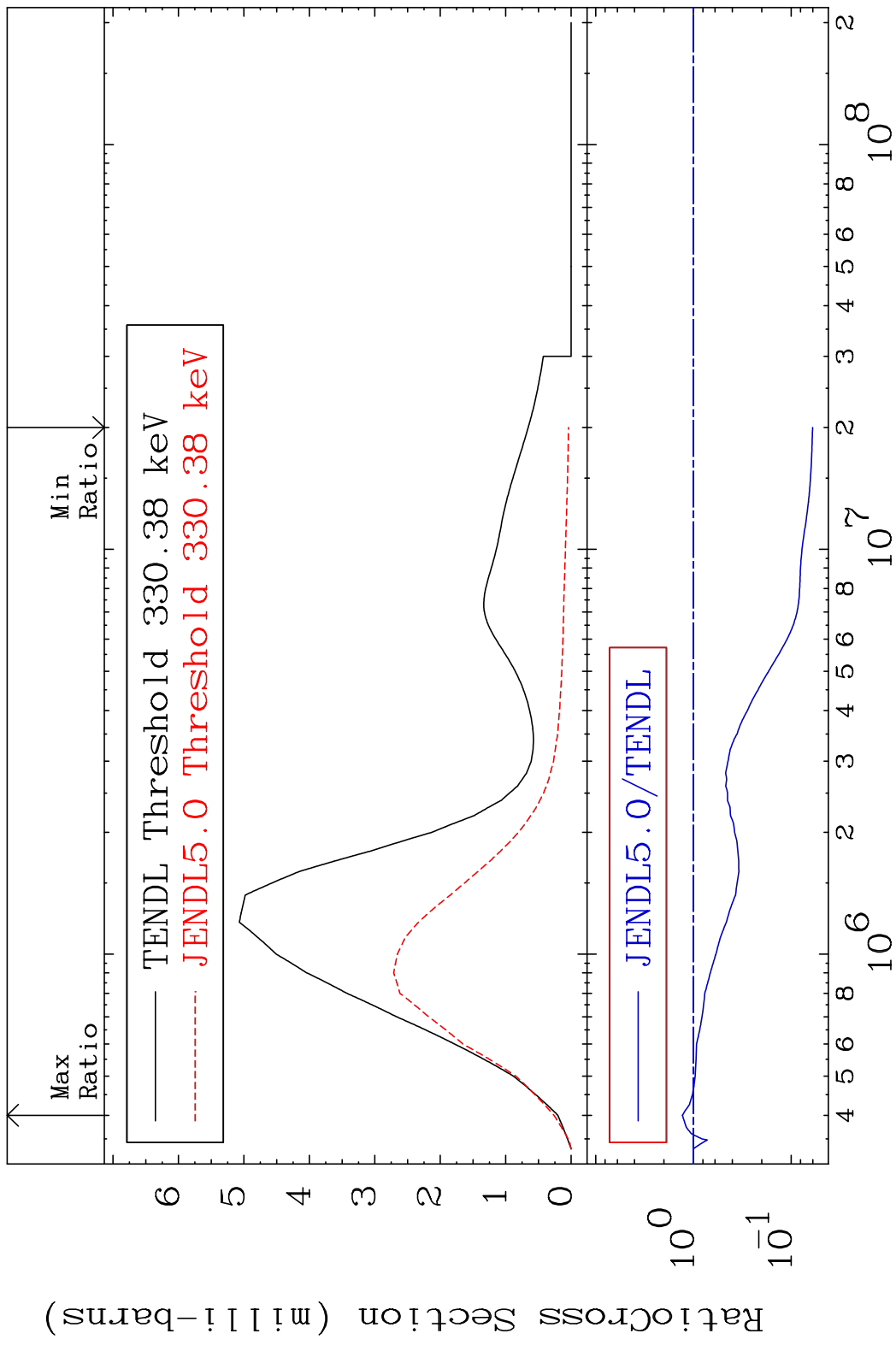
MAT 9540 MT= 61 (n,n') Level 95-Am-240
 Cross Section -100.0 To -44.37%



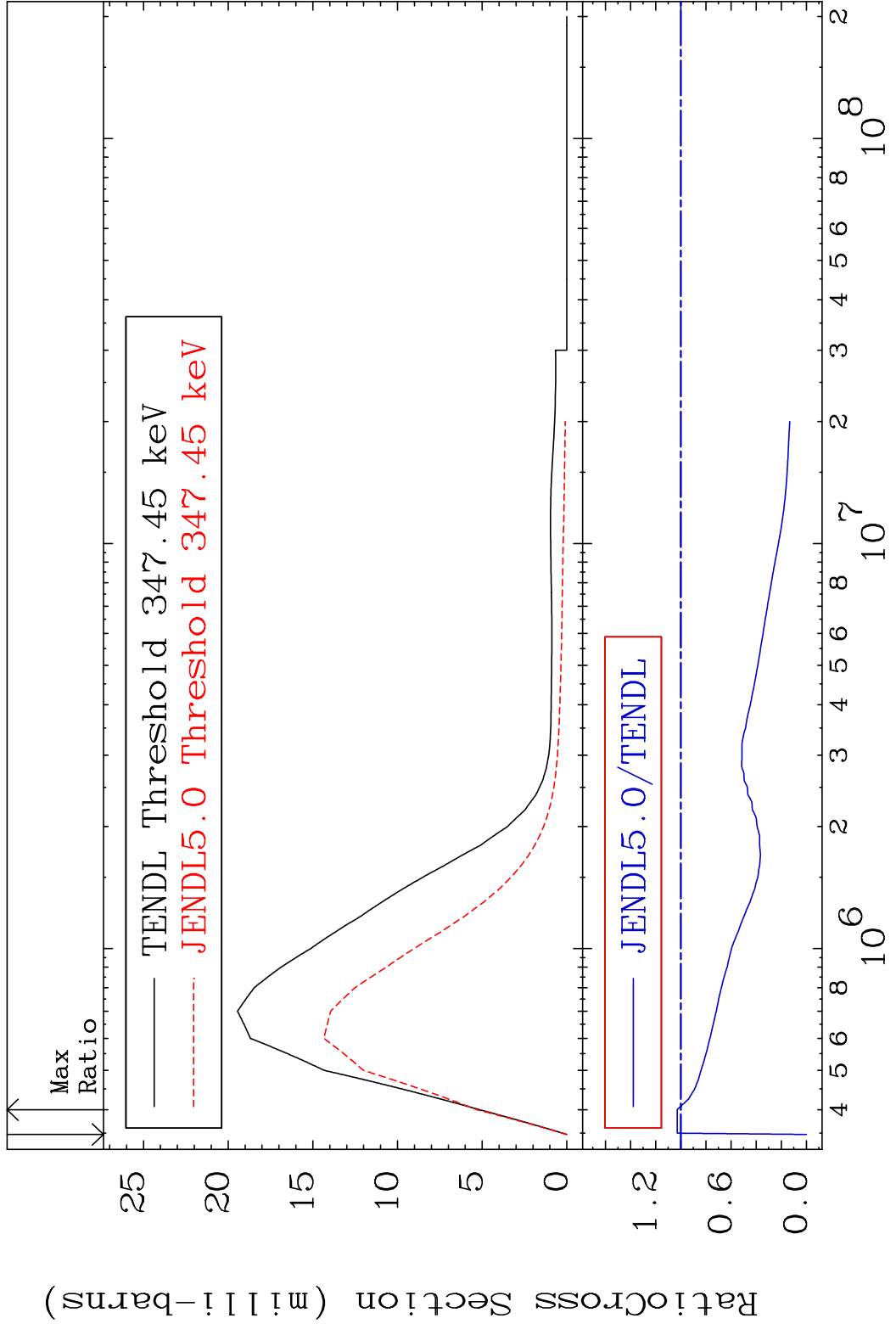
MAT 9540 MT= 62 (n, n') Level 95-Am-240
 Cross Section -100.0 To 9999. %



MAT 9540 MT= 63 (n, n') Level 95-Am-240
 Cross Section -93.97 To 29.68 %

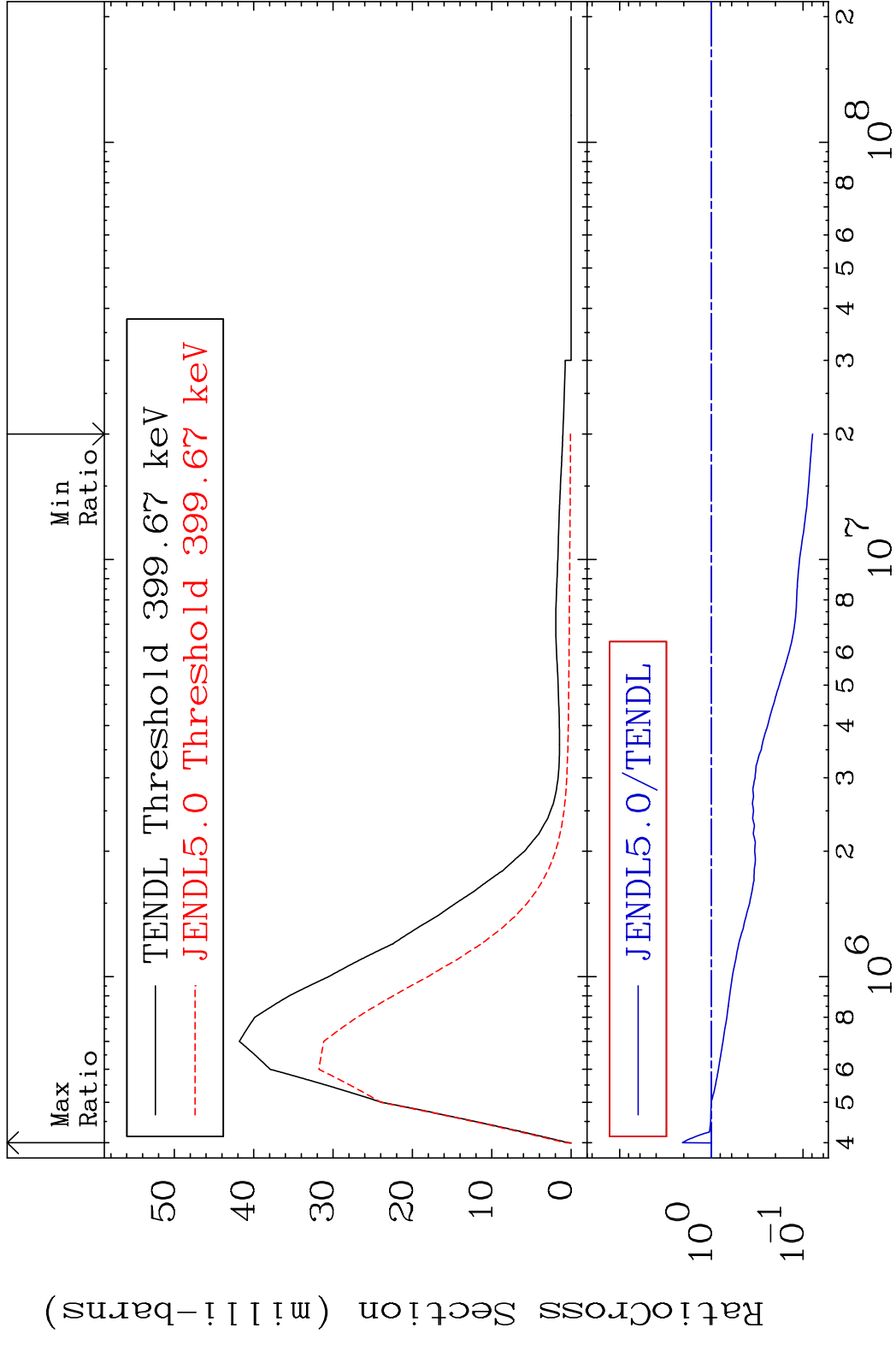


MAT 9540 MT= 64 (n,n') Level 95-Am-240
 Cross Section -100.0 To 2.853 %

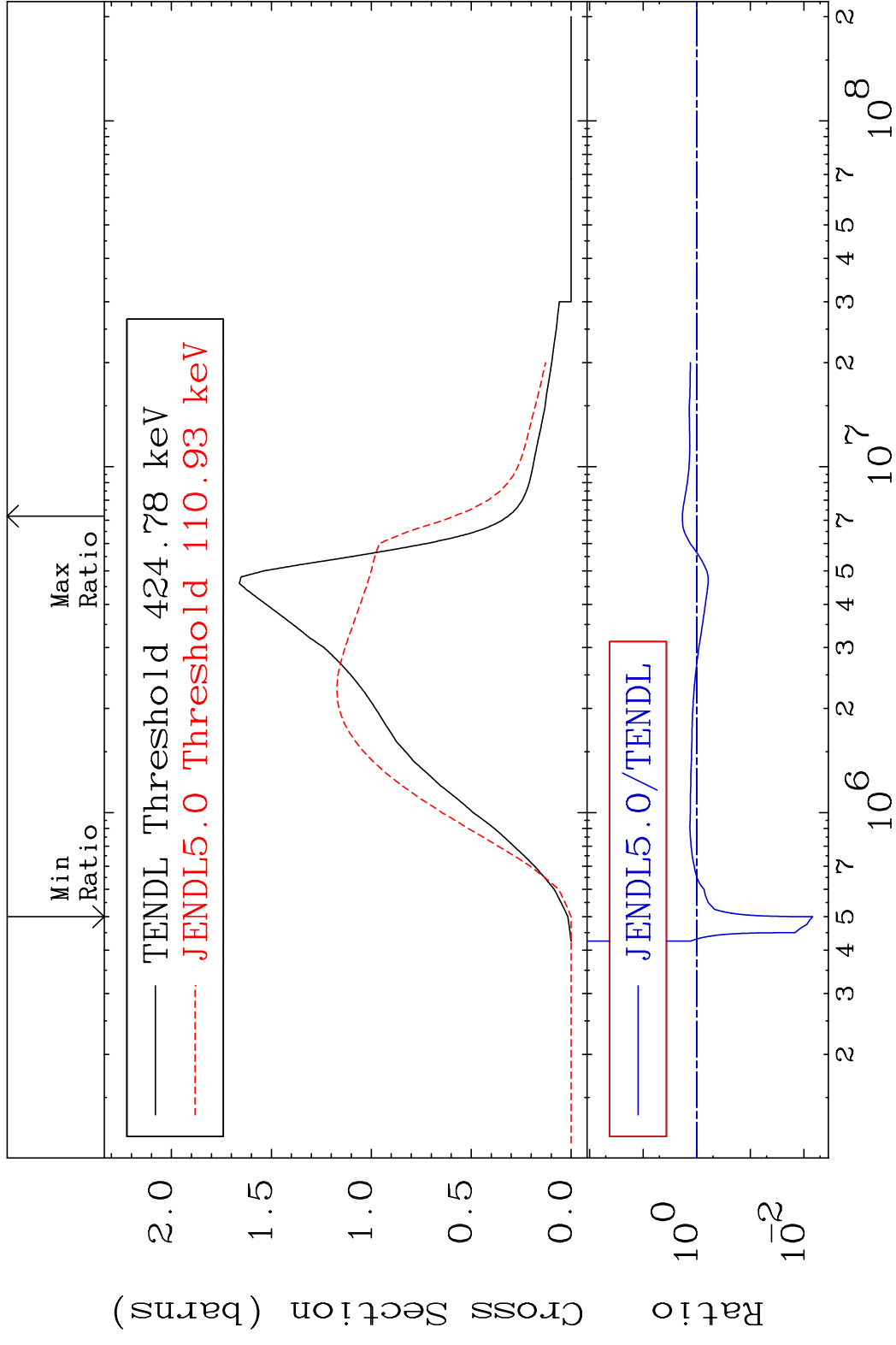


20 95-Am-240

MAT 9540 MT= 65 (n,n') Level 95-Am-240
 Cross Section -92.12 To 107.1 %



MAT 9540 (n,n') Continuum 95-Am-240
 Cross Section -99.31 To 85.72 %

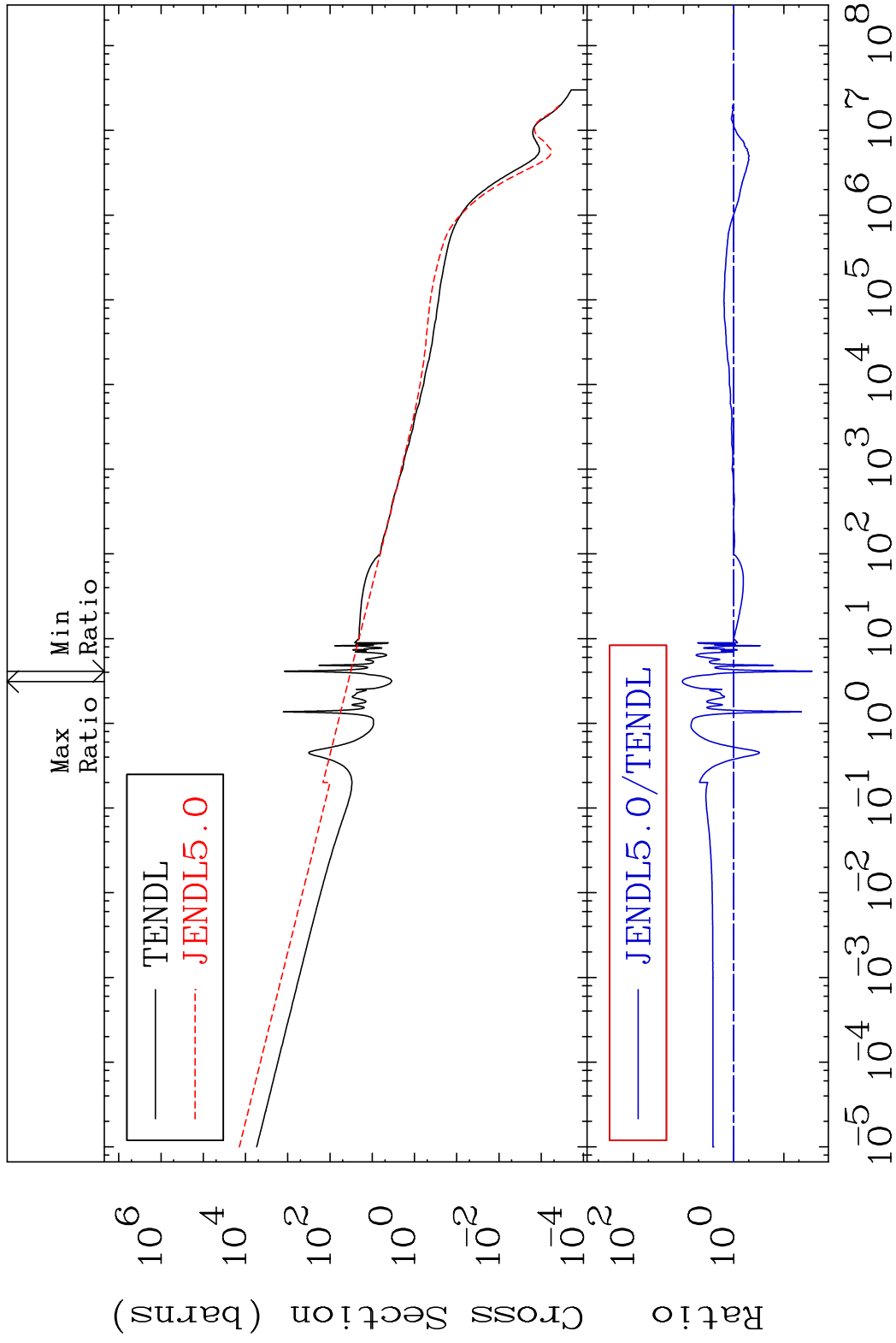


MAT 9540

(n, γ)

95-Am-240

Cross Section -97.33 To 956.9 %

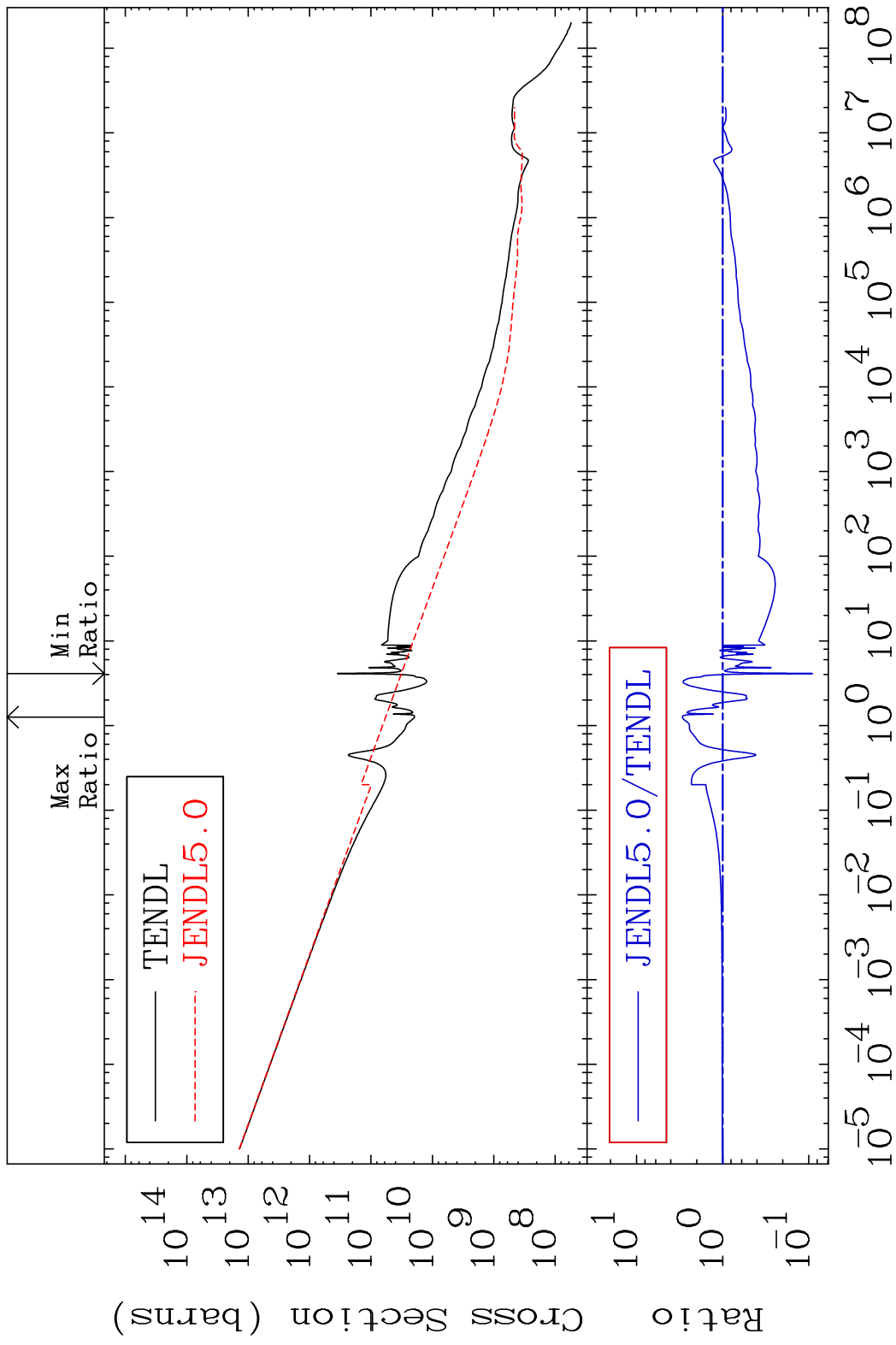


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Incident Energy (eV)

95-Am-240

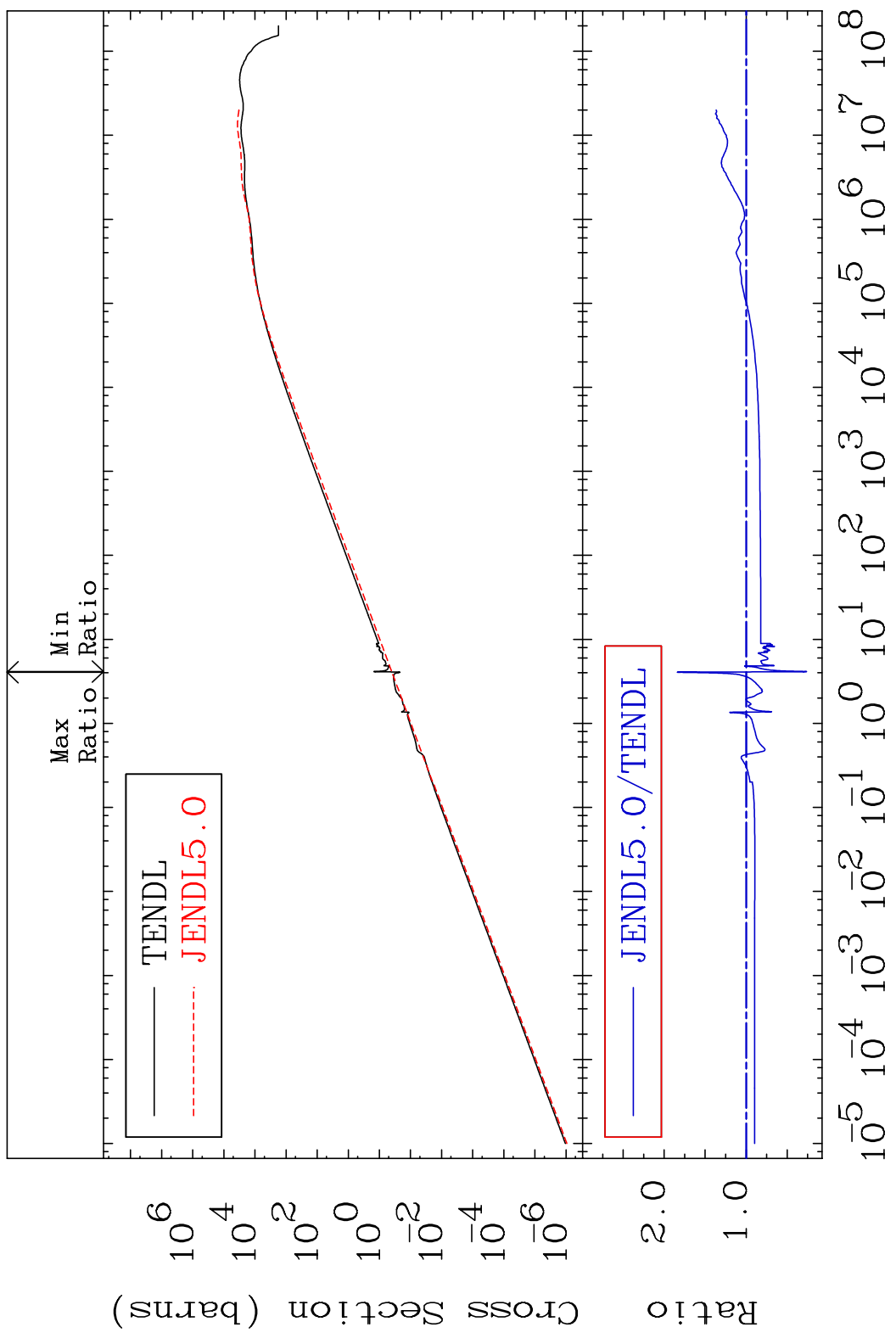
MAT 9540 Kerma total (eV-barns) 95-Am-240
 Cross Section -90.97 To 193.8 %



24 Incident Energy (eV) 95-Am-240

MAT 9540

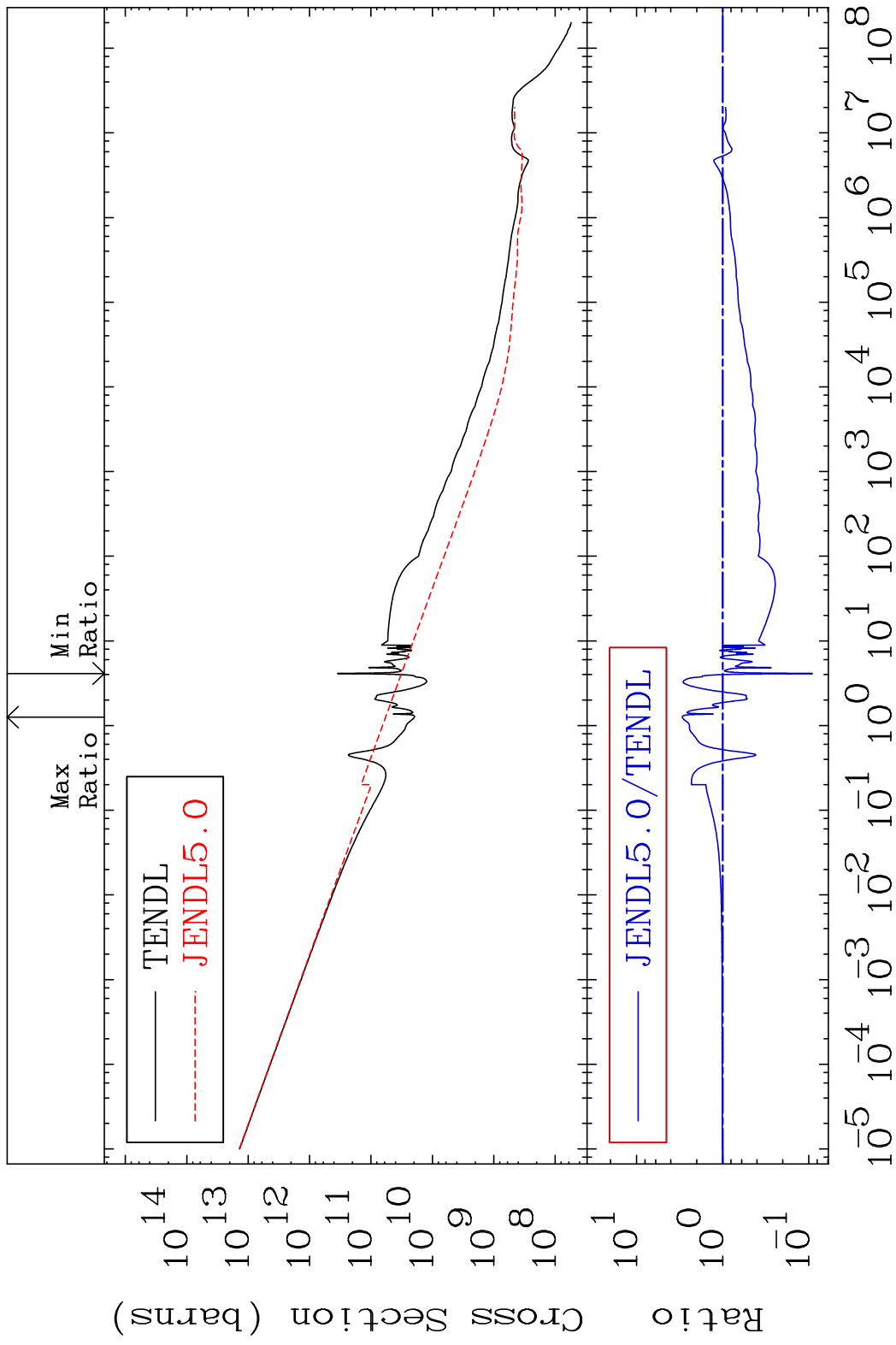
Kerma elastic Cross Section -73.45 To 84.13 %



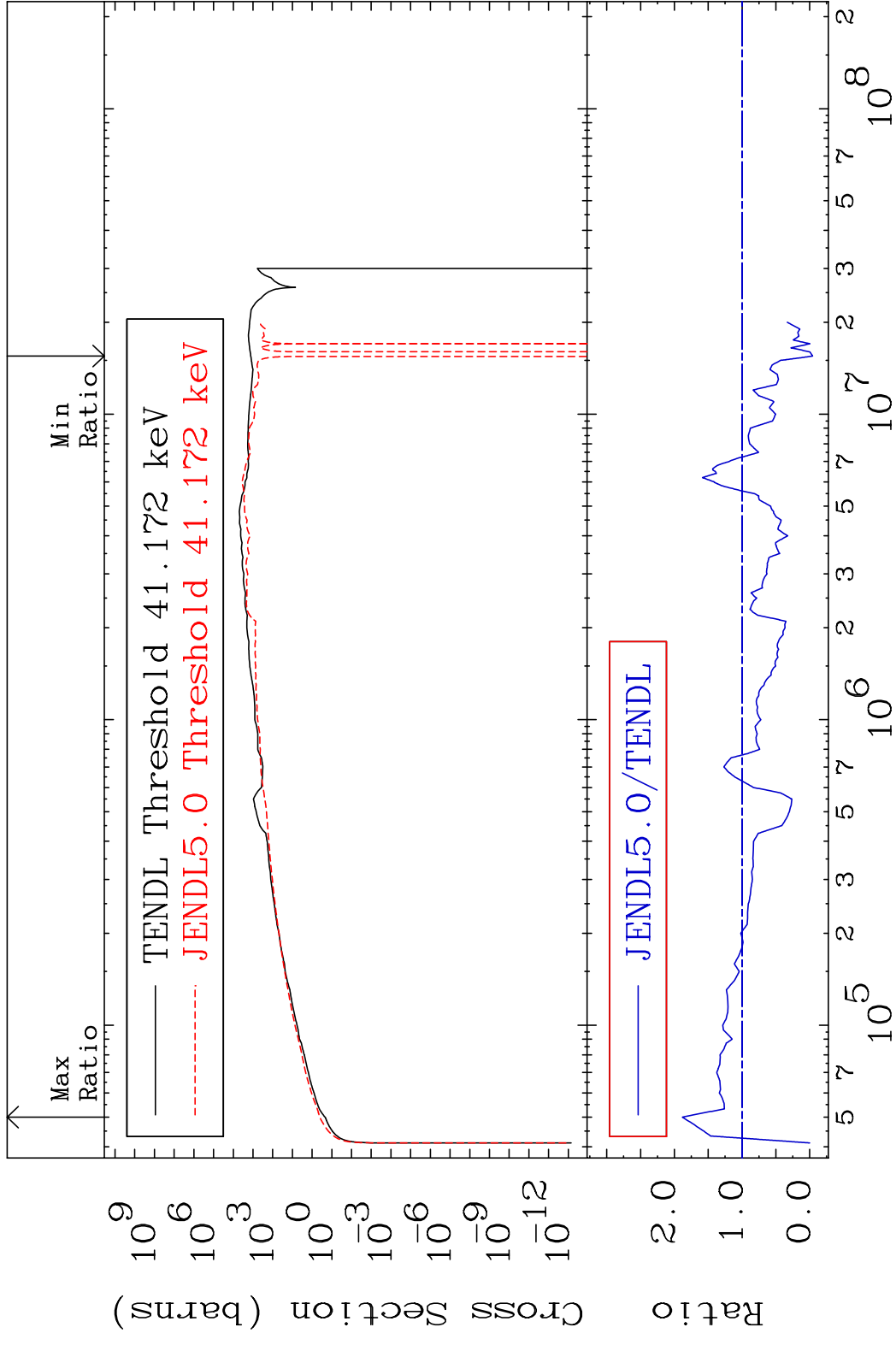
25

Incident Energy (eV) 95-Am-240

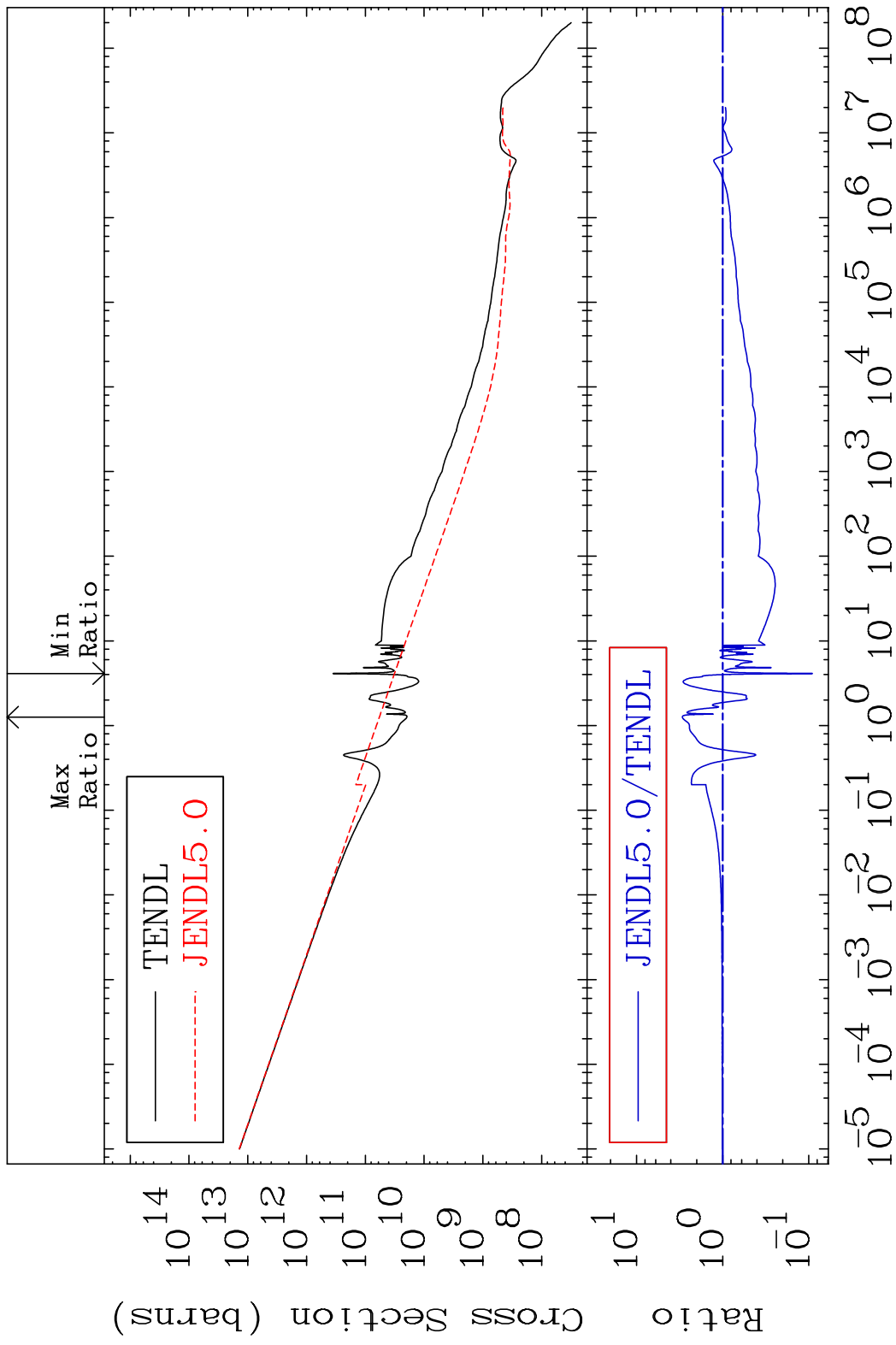
MAT 9540 Kerma non-elastic (all but mt2) 95-Am-240
 Cross Section -90.97 To 193.8 %



MAT 9540 Kerma inelastic (mt51-91) 95-Am-240
 Cross Section -104.2 To 88.24 %

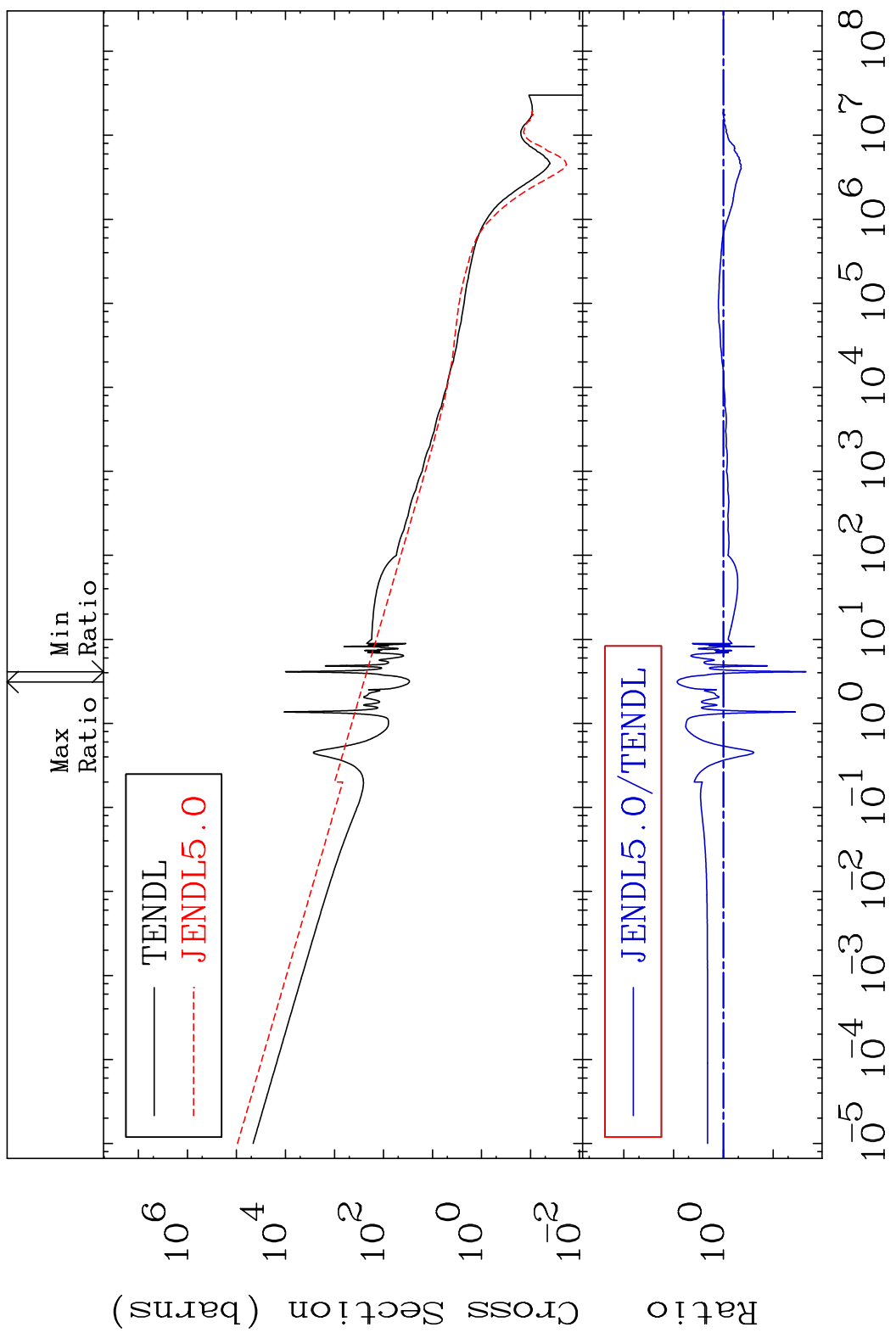


MAT 9540 Kerma fission (mt18 or mt19-20-21-38) 95-Am-240
 Cross Section -90.97 To 193.8 %



MAT 9540

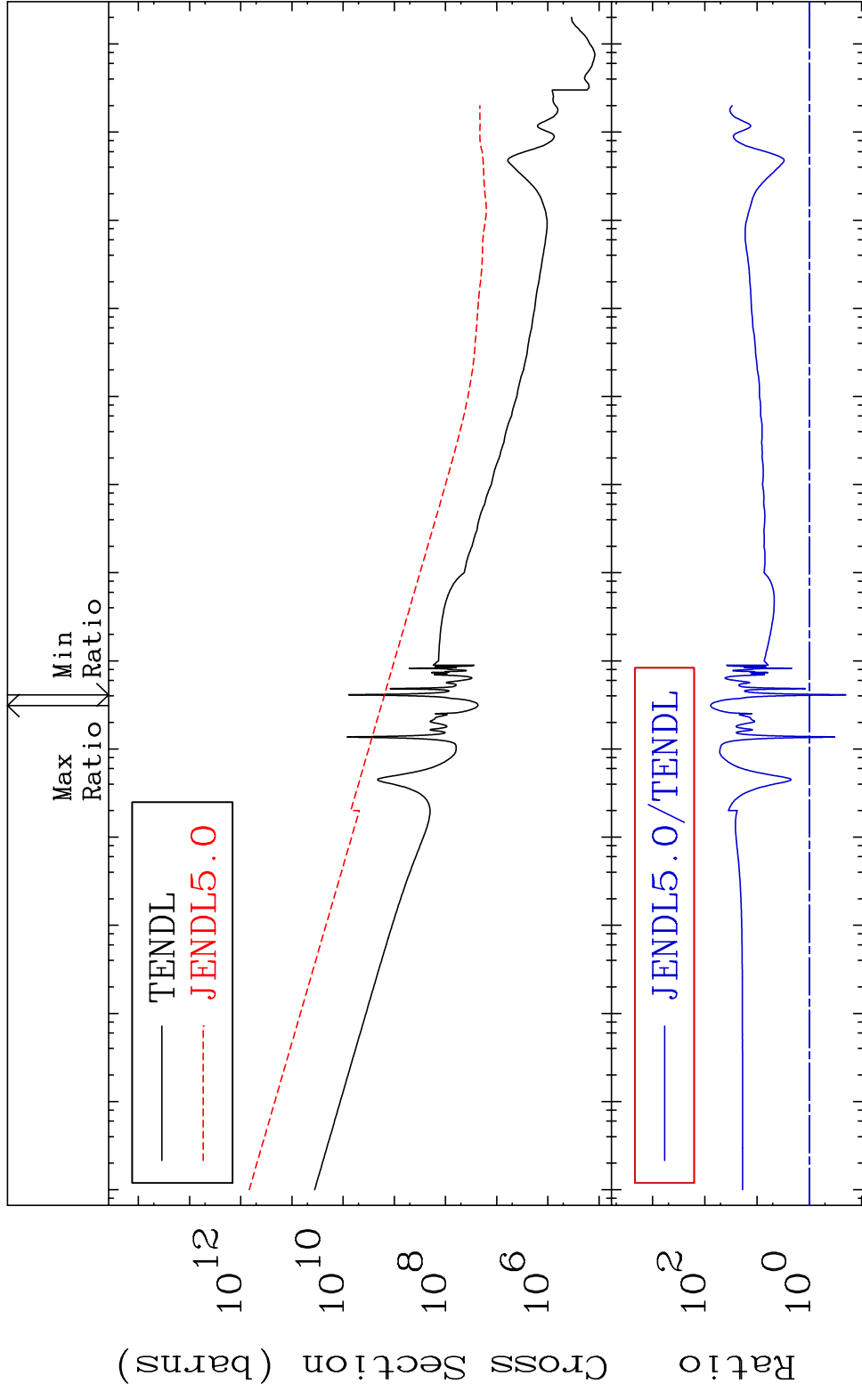
Kerma capture (mt102) 95-Am-240
Cross Section -97.85 To 749.4 %



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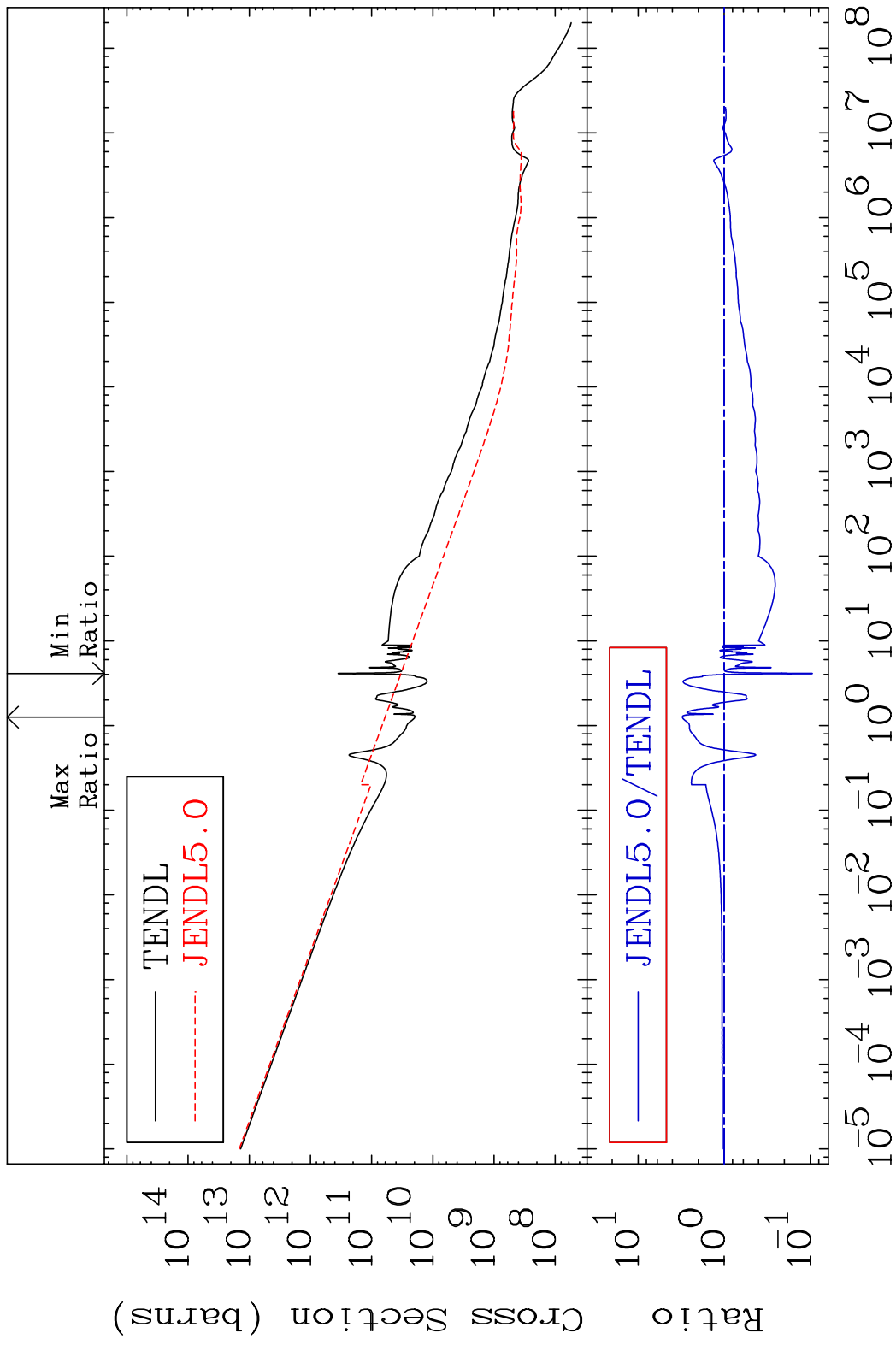
Incident Energy (eV) 95-Am-240

MAT 9540 Total photon (eV-barns) 95-Am-240
Cross Section -80.49 To 7624. %

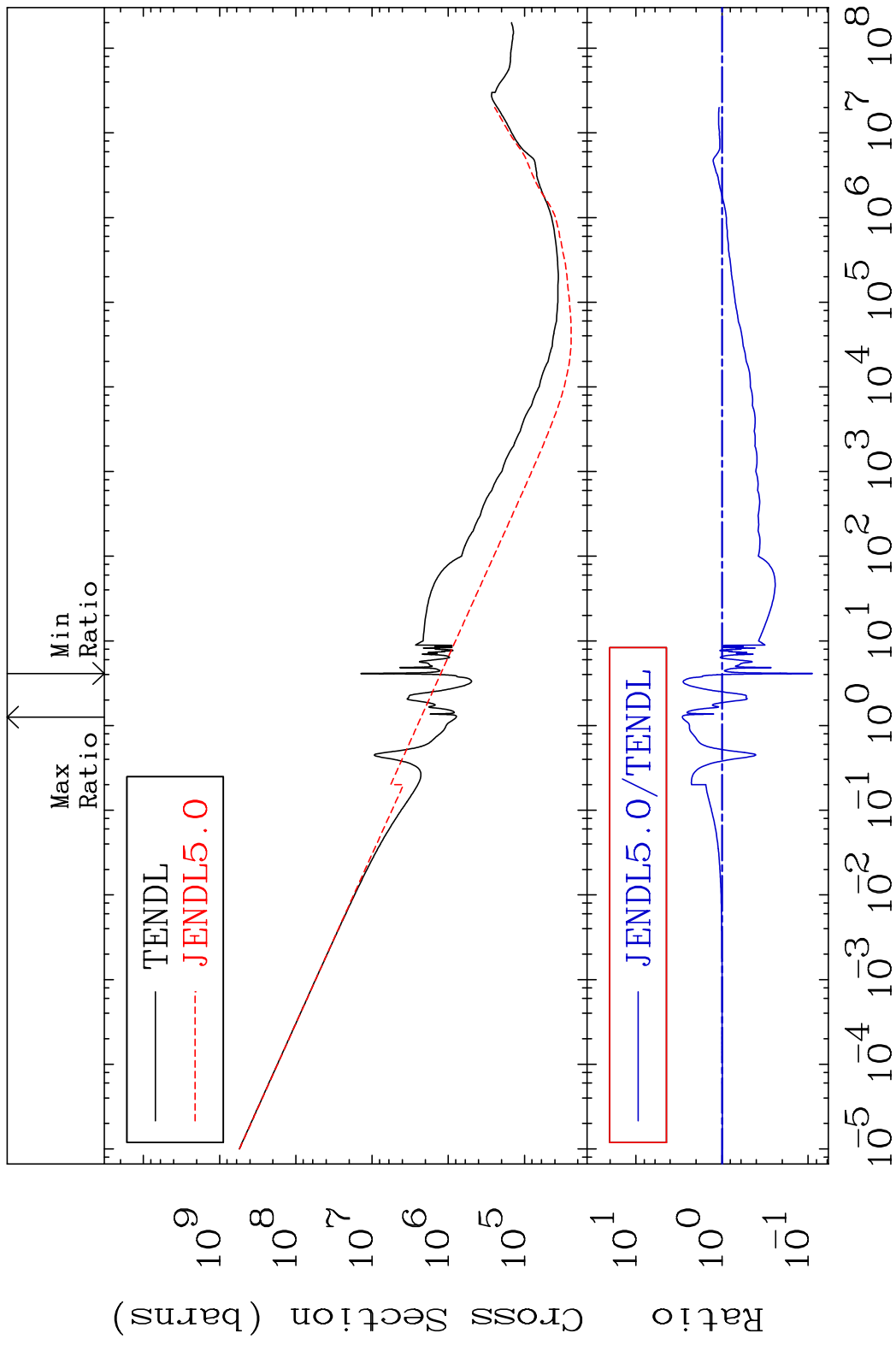


30 Incident Energy (eV) 95-Am-240

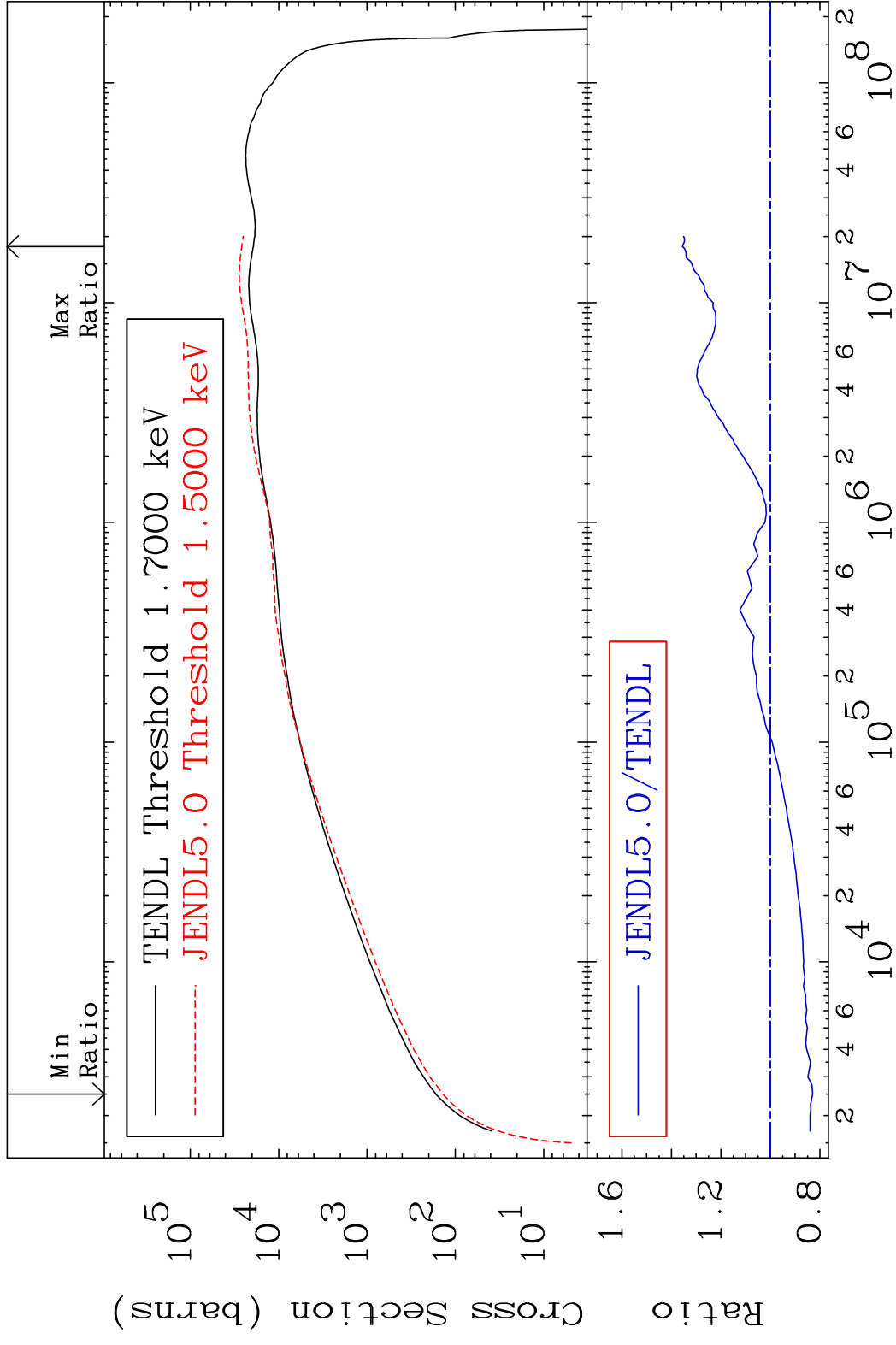
MAT 9540 Total kinematic kerma (high limit) 95-Am-240
 Cross Section -90.58 To 206.2 %



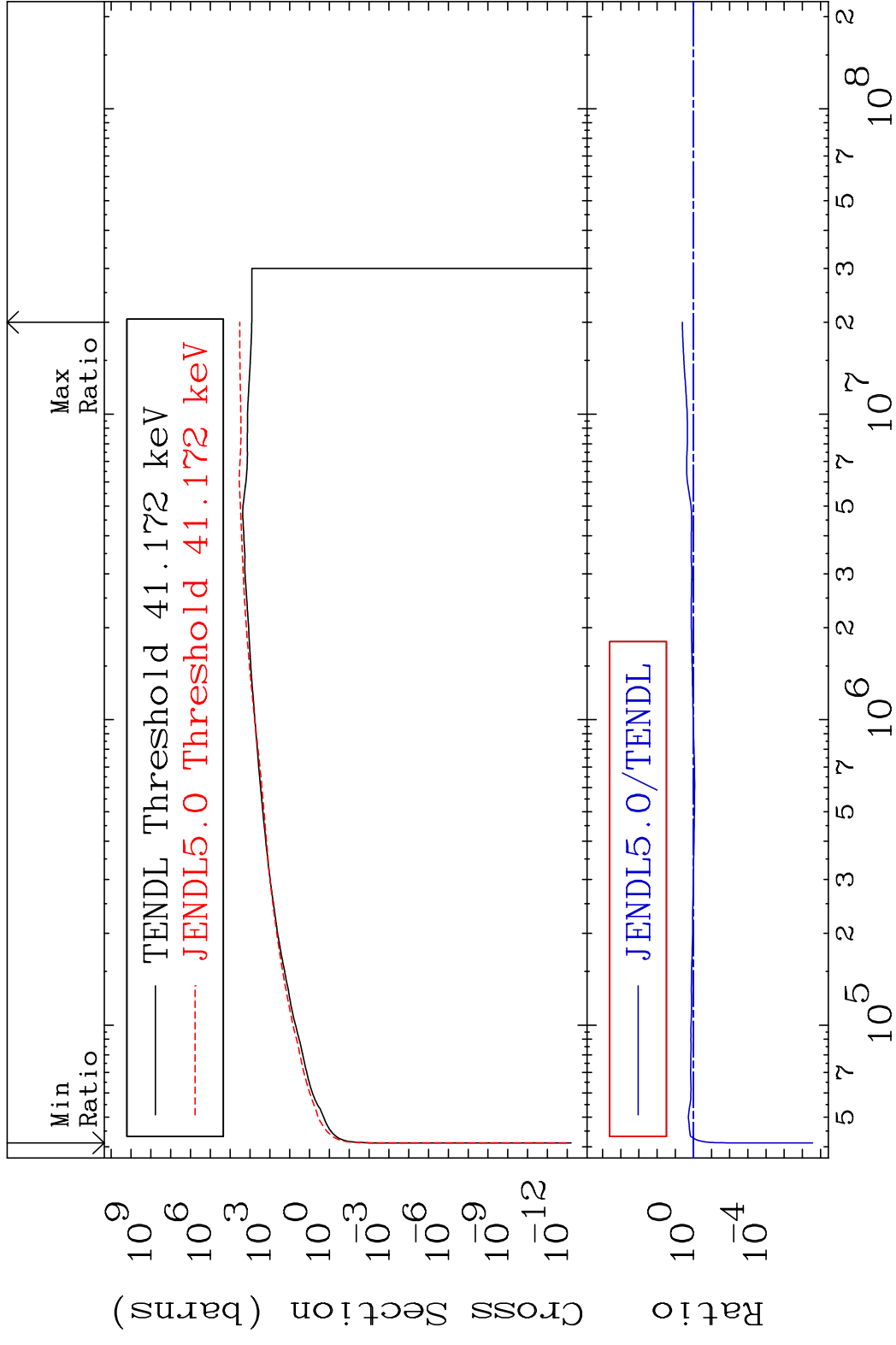
MAT 9540 Dpa total (eV-barns) 95-Am-240
 Cross Section -91.12 To 188.8 %



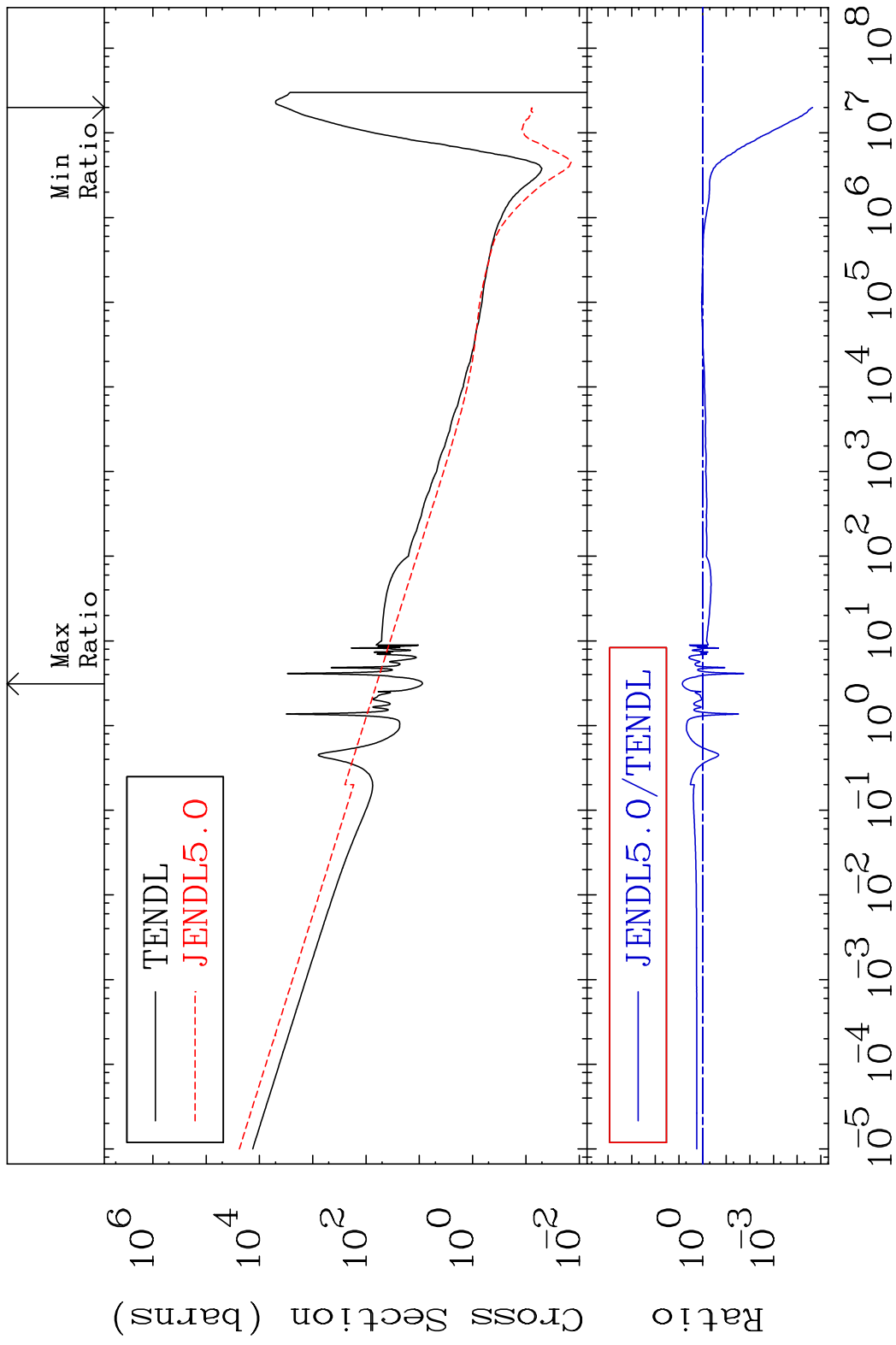
MAT 9540 Dpa elastic (mt2) 95-Am-240
 Cross Section -17.03 To 35.57 %



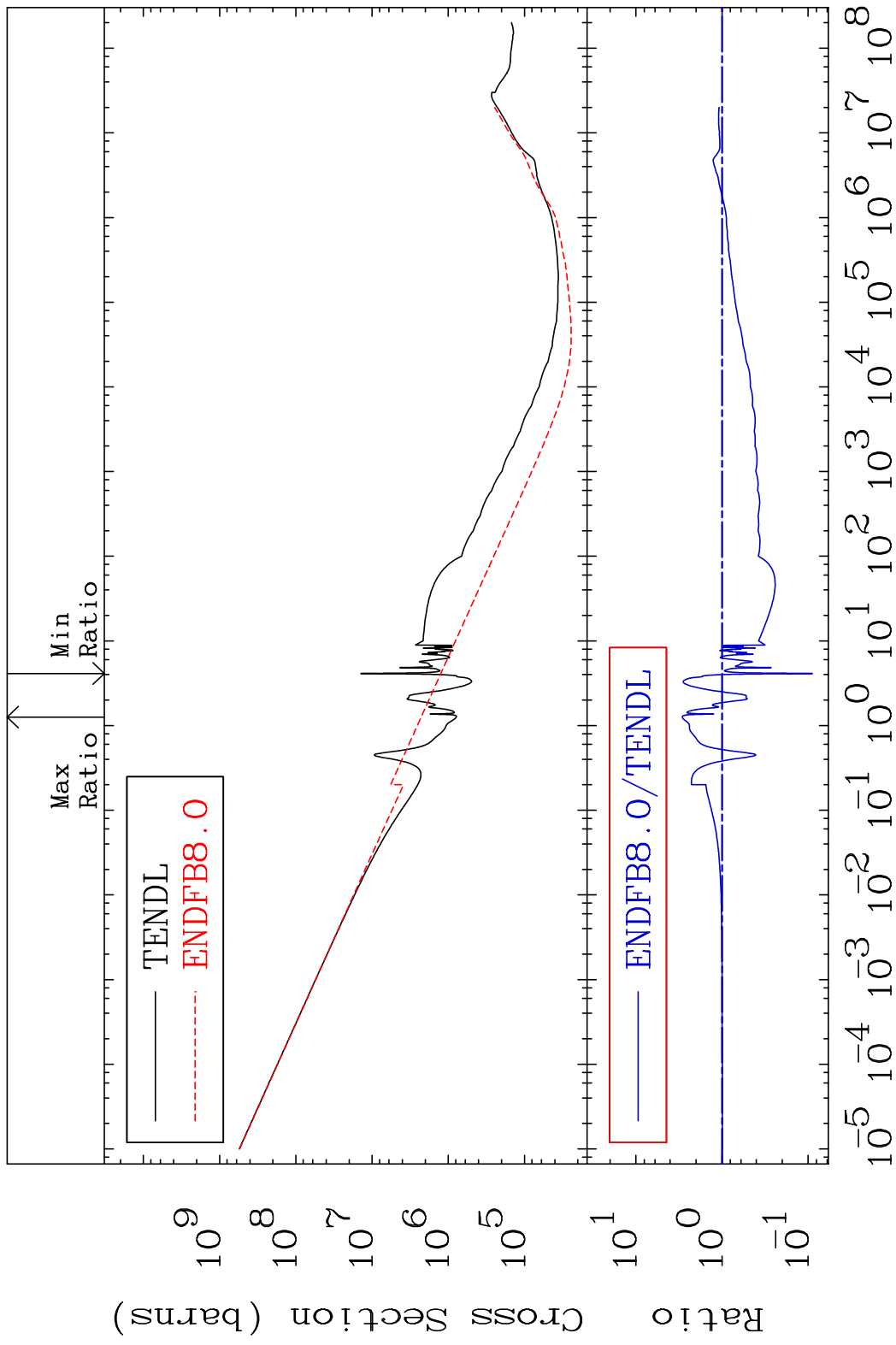
MAT 9540 Dpa inelastic (mt51-91) 95-Am-240
 Cross Section -100.0 To 304.1 %



MAT 9540 Dpa disappearance (mt102 -120) 95-Am-240
 Cross Section -100.0 To 619.7 %



MAT 9540 Dpa total (eV-barns) 95-Am-240
 Cross Section -91.12 To 188.8 %



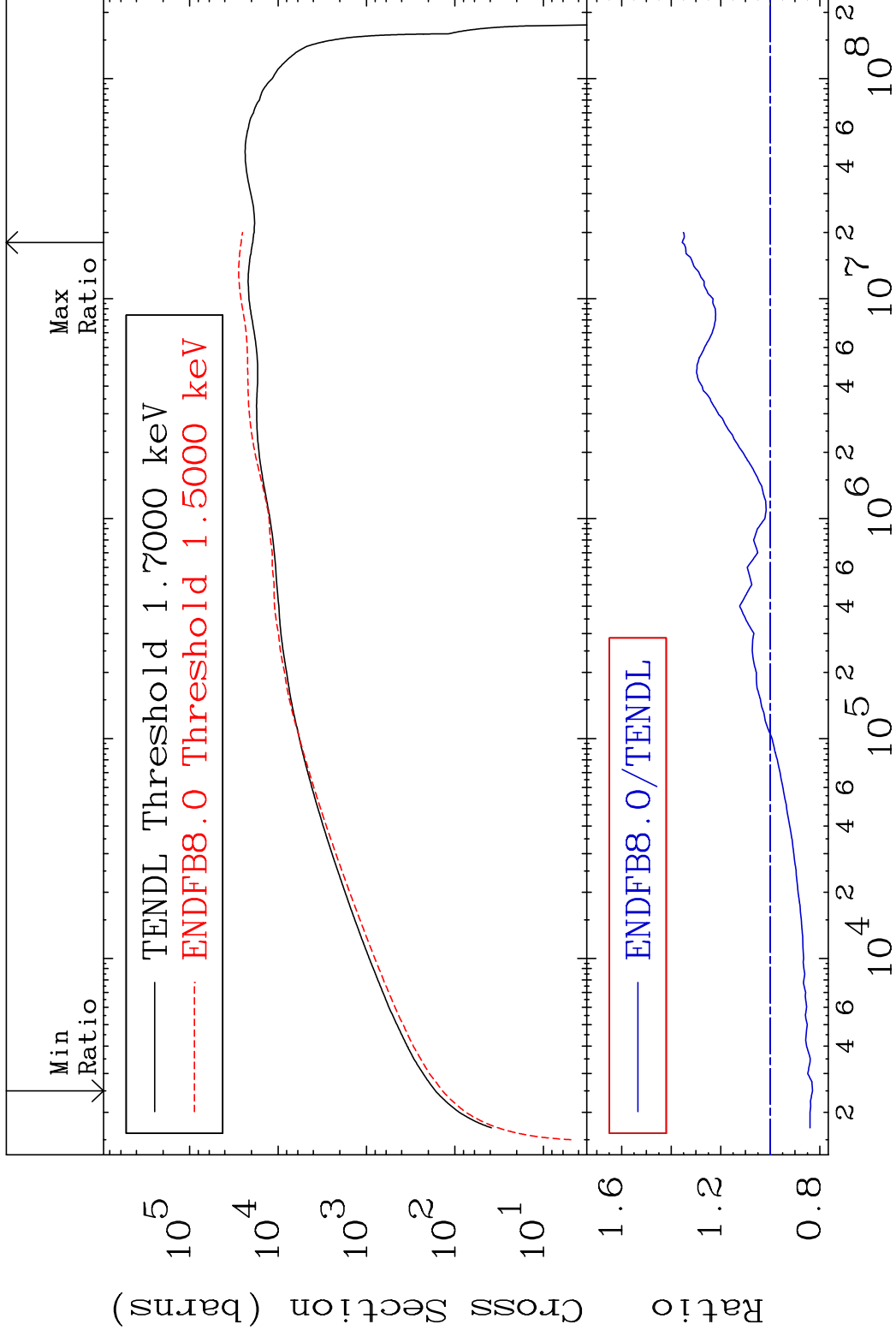
36 Incident Energy (eV) 95-Am-240

MAT 9540

Dpa elastic (mt2)

95-Am-240

Cross Section -17.03 To 35.57 %

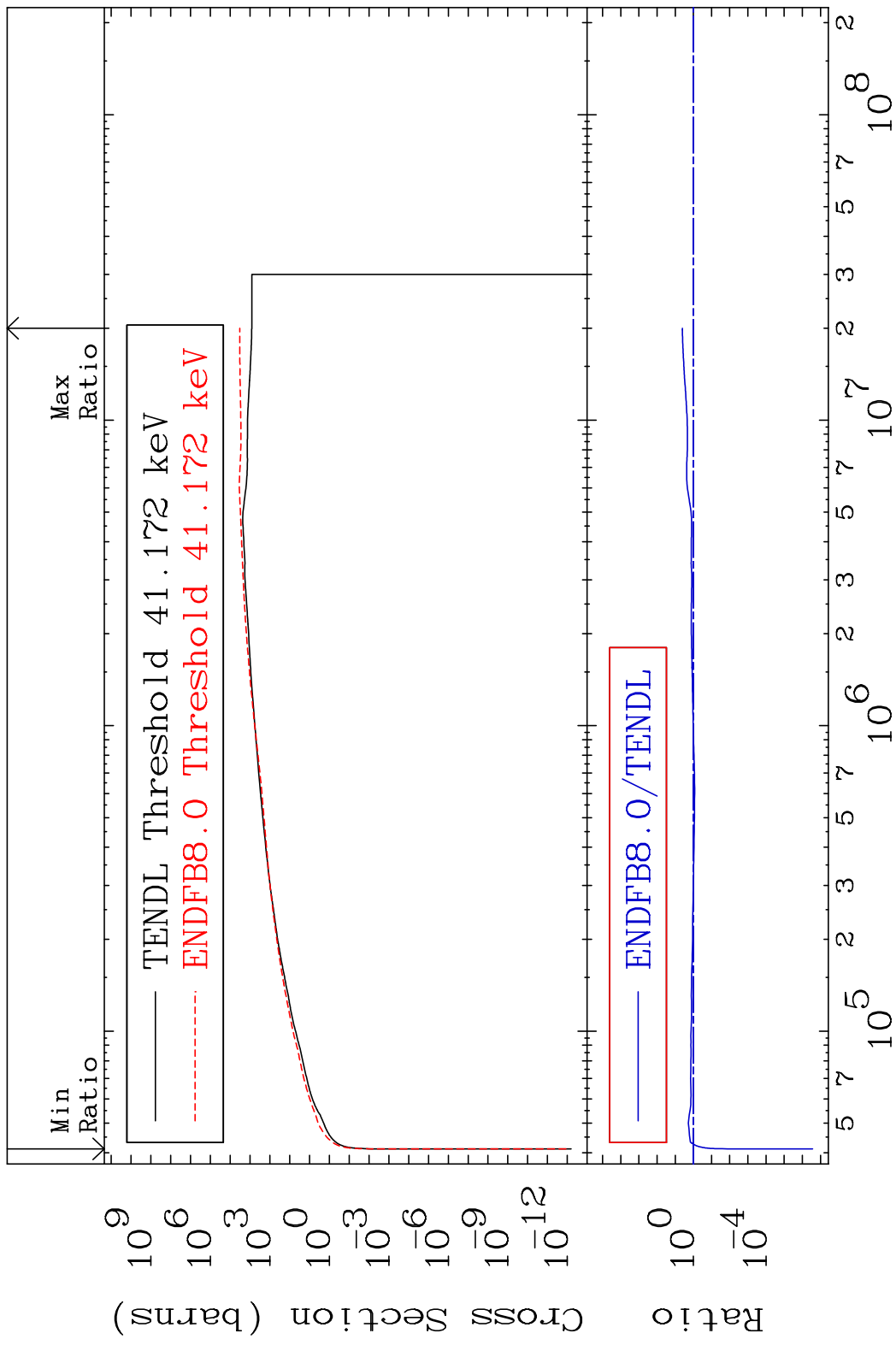


37

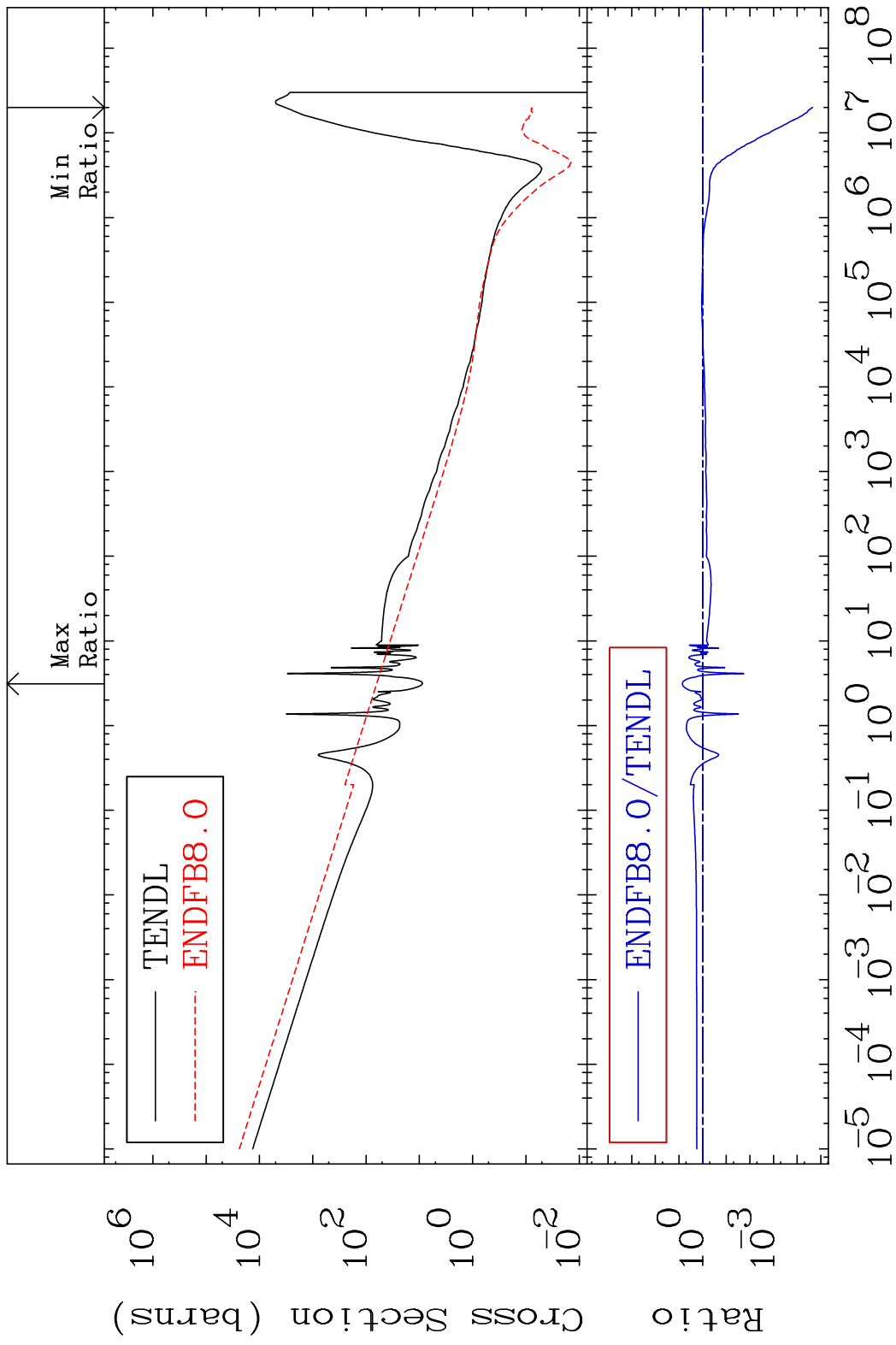
Incident Energy (eV)

95-Am-240

MAT 9540 Dpa inelastic (mt51-91) 95-Am-240
 Cross Section -100.0 To 304.1 %



MAT 9540 Dpa disappearance (mt102 -120) 95-Am-240
 Cross Section -100.0 To 619.7 %



39 Incident Energy (eV) 95-Am-240