

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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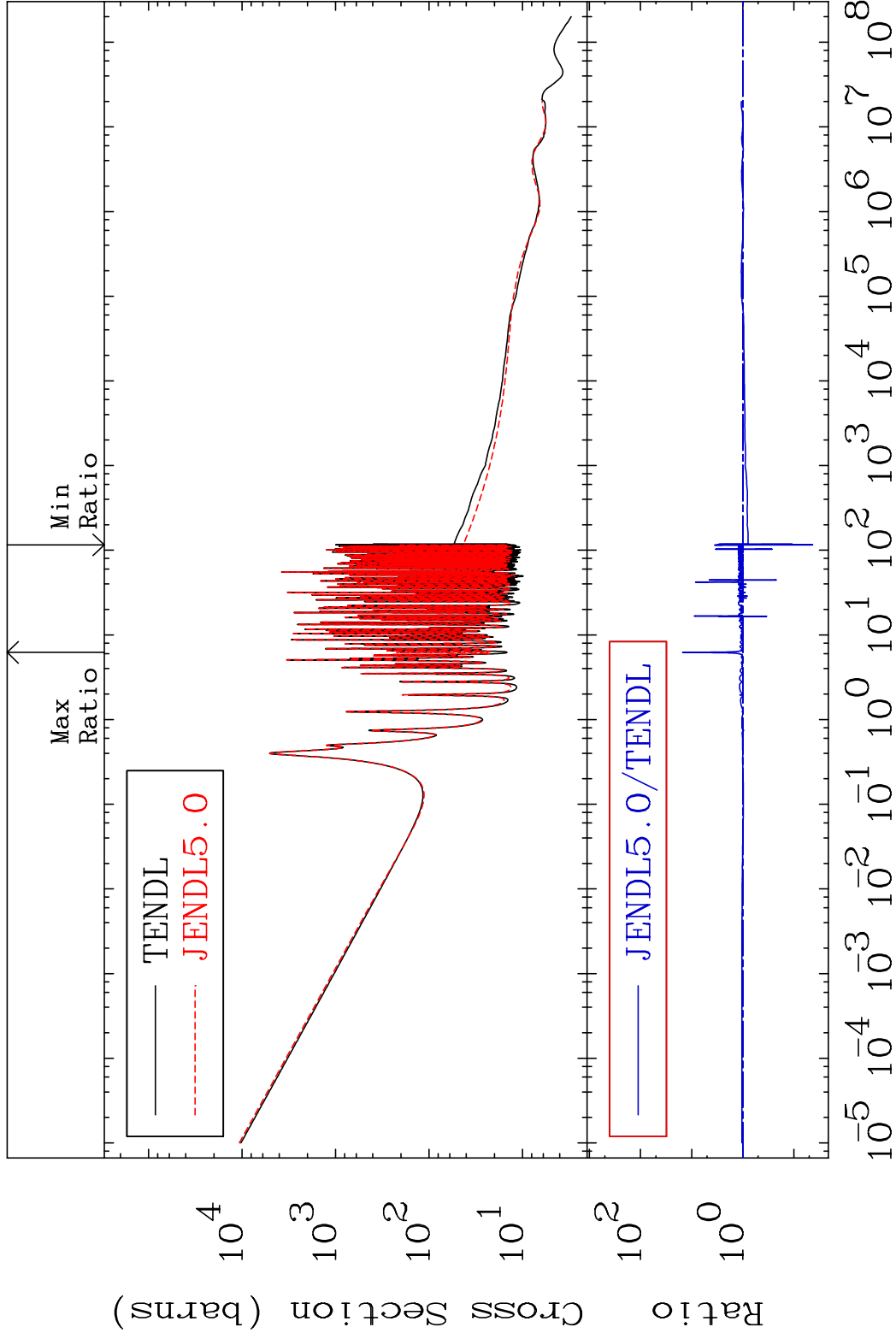
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9131

Total 91-Pa-231

Cross Section -95.69 To 1420. %



1

Incident Energy (eV)

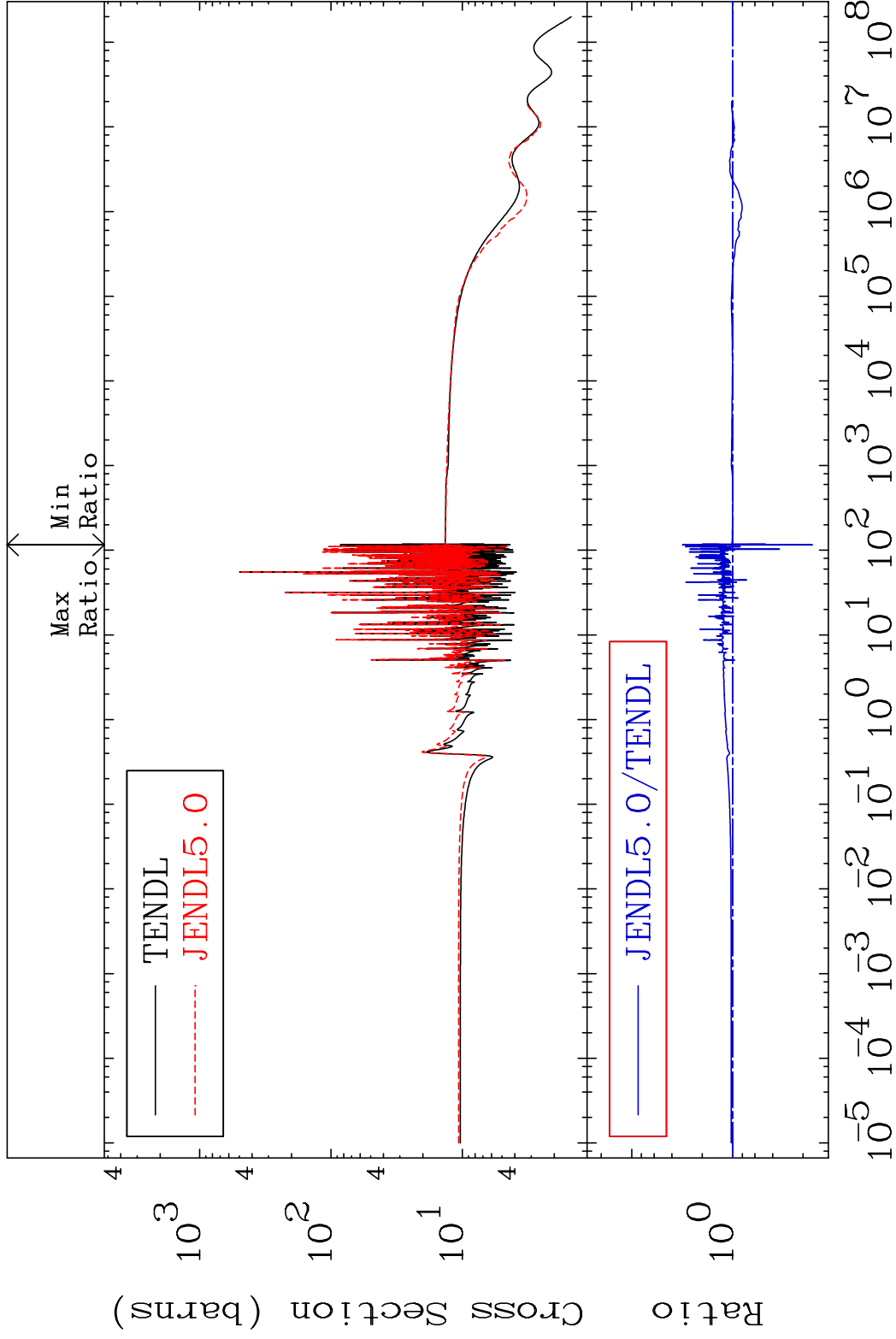
91-Pa-231

MAT 9131

91-Pa-231

Elastic

Cross Section -83.92 To 214.3 %



2

Incident Energy (eV)

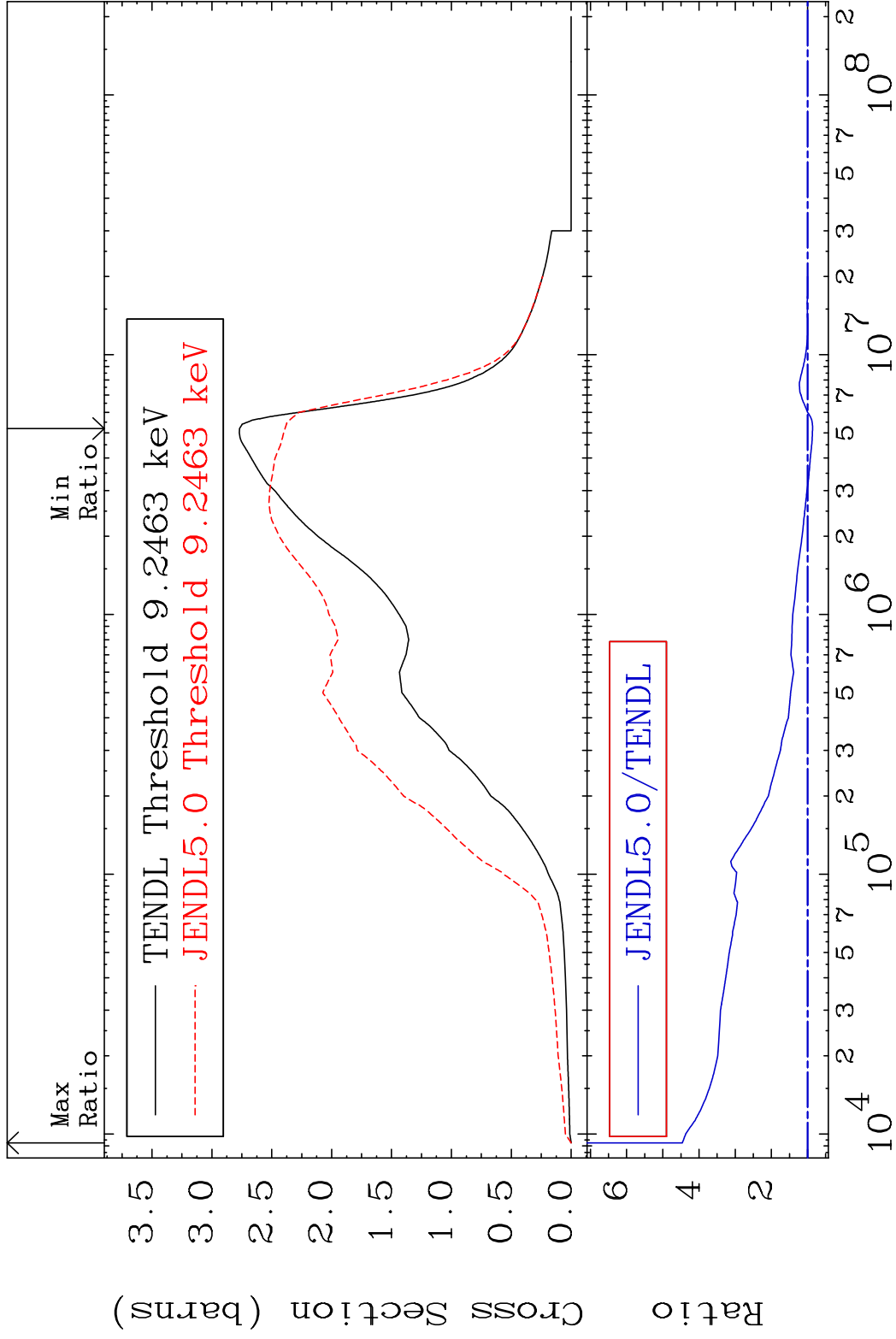
91-Pa-231

MAT 9131

Inelastic

91-Pa-231

Cross Section -13.72 To 346.0 %



3

Incident Energy (eV)

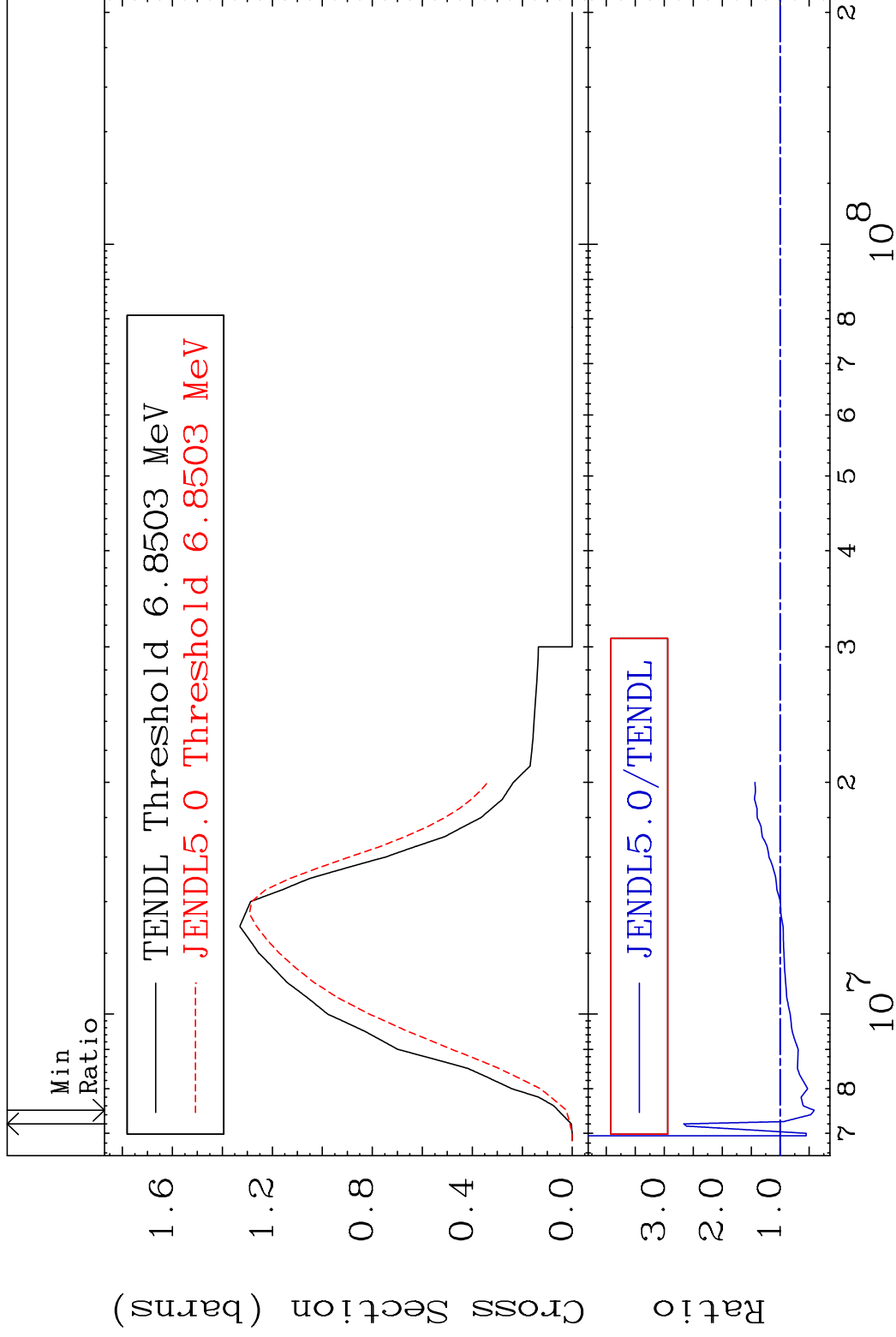
91-Pa-231

MAT 9131

(n,2n)

91-Pa-231

Cross Section -58.49 To 166.6 %



4

Incident Energy (eV)

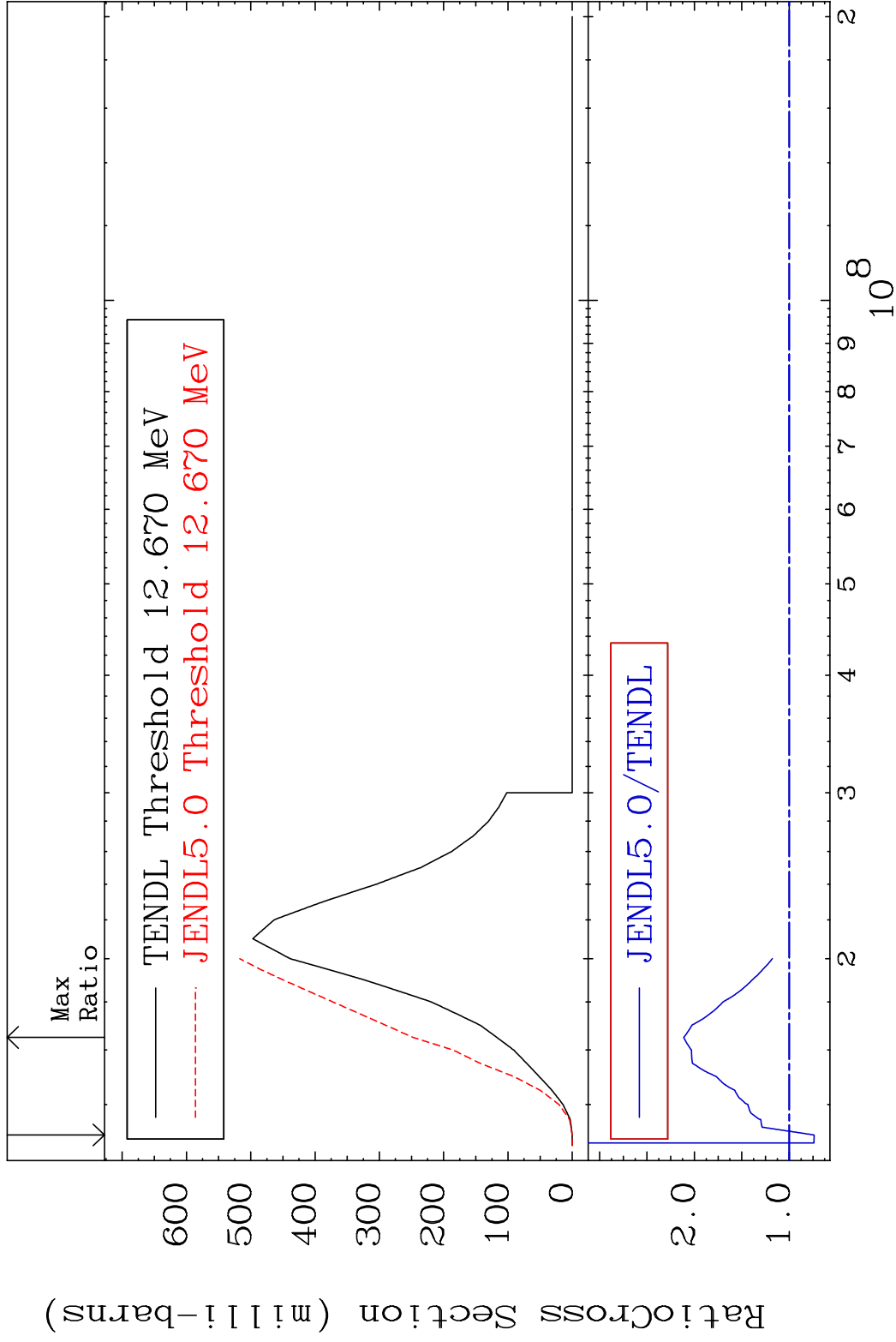
91-Pa-231

MAT 9131

(n,3n)

91-Pa-231

Cross Section -26.27 To 111.3 %



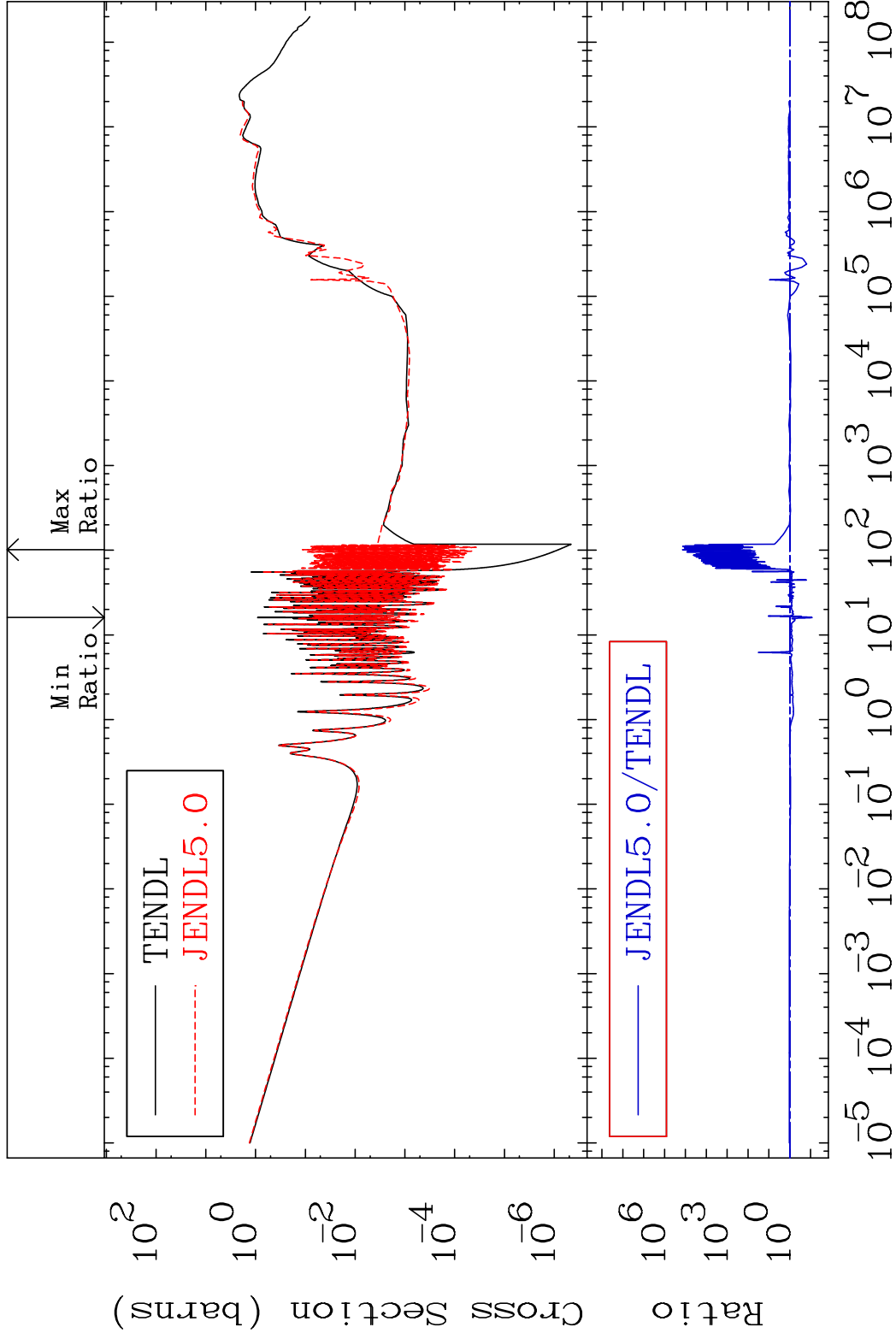
5

Incident Energy (eV)

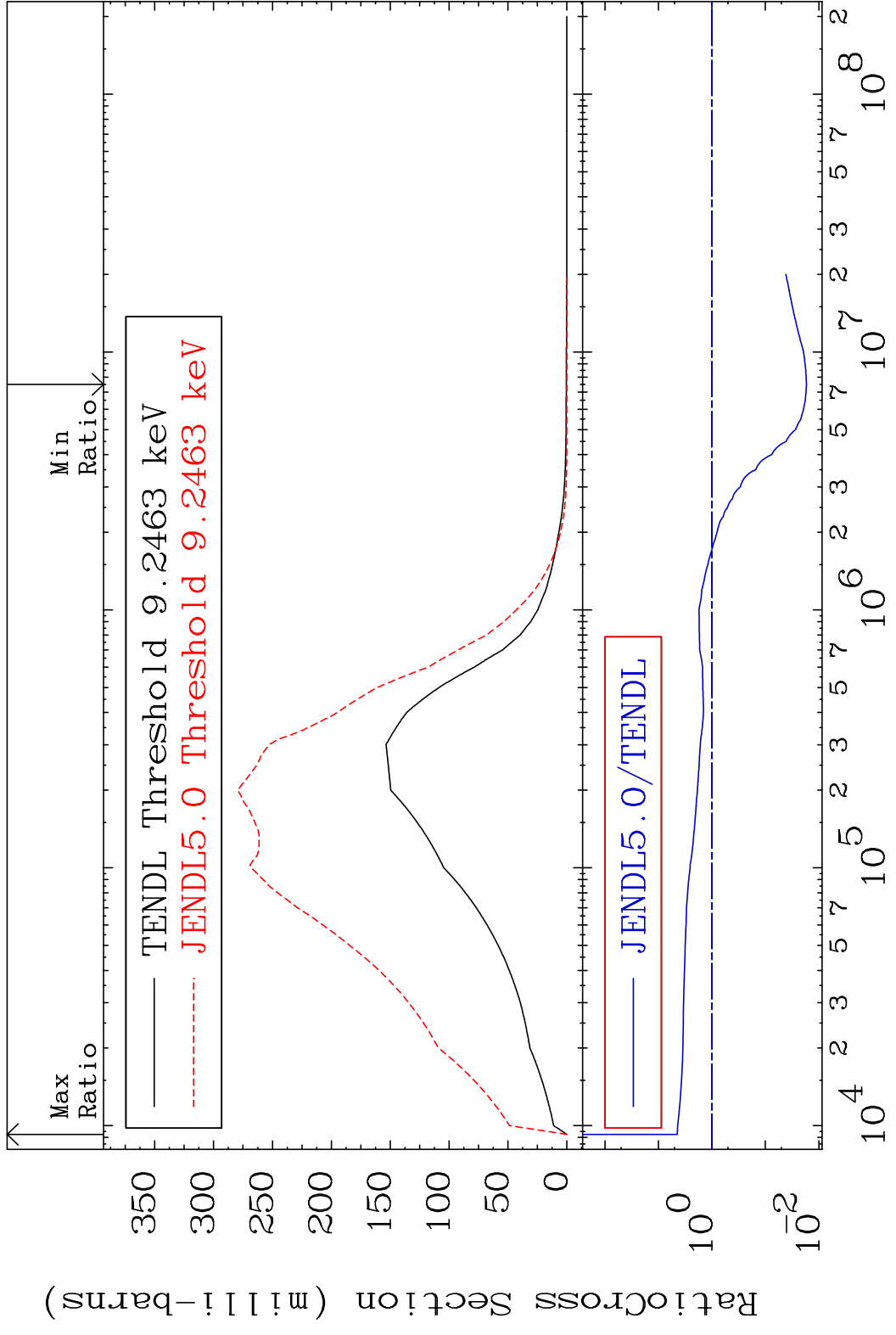
91-Pa-231

MAT 9131

Fission Cross Section -91.99 To 9999. %
91-Pa-231

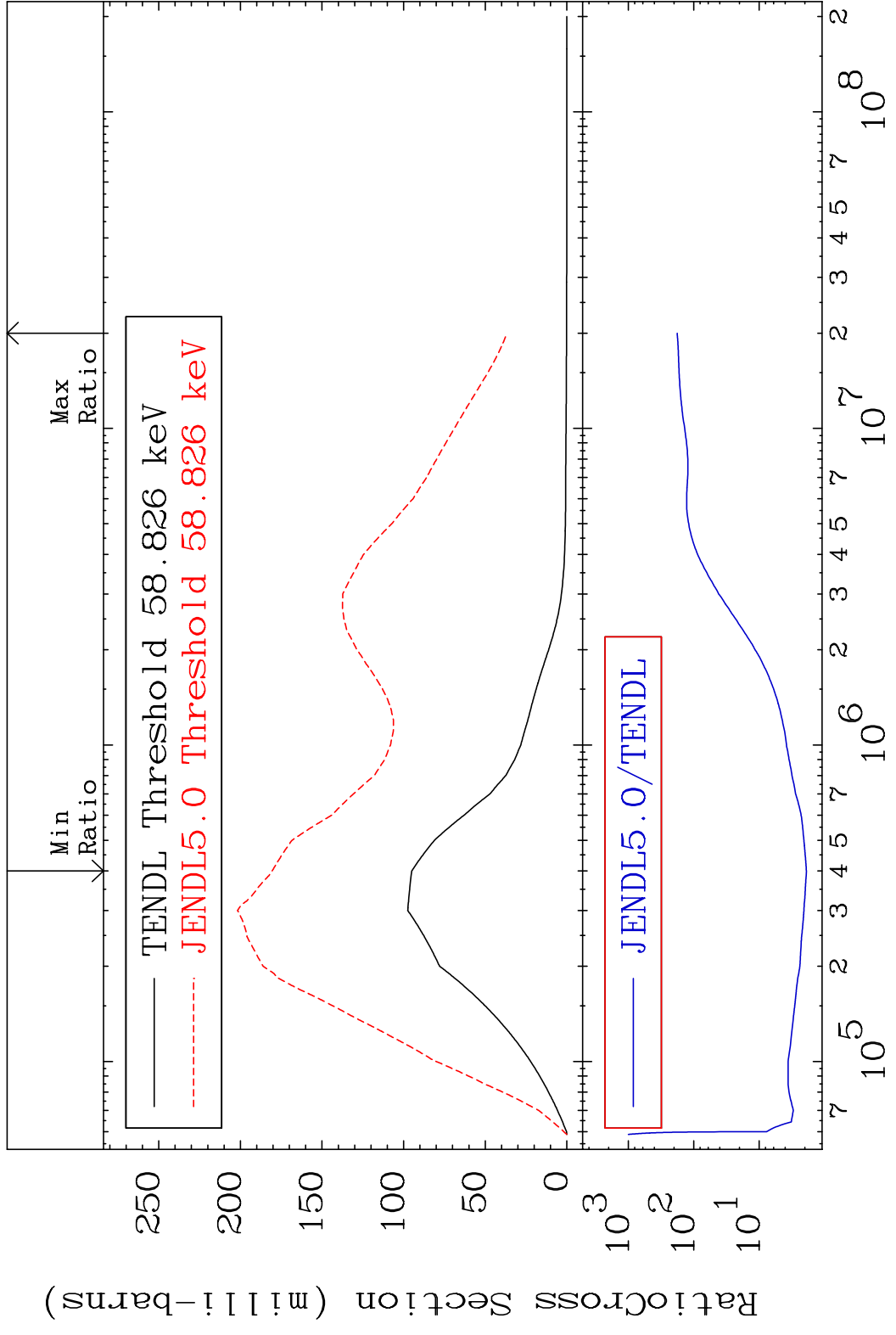


MAT 9131 MT= 51 (n,n') Level 91-Pa-231
 Cross Section -98.29 To 346.0 %

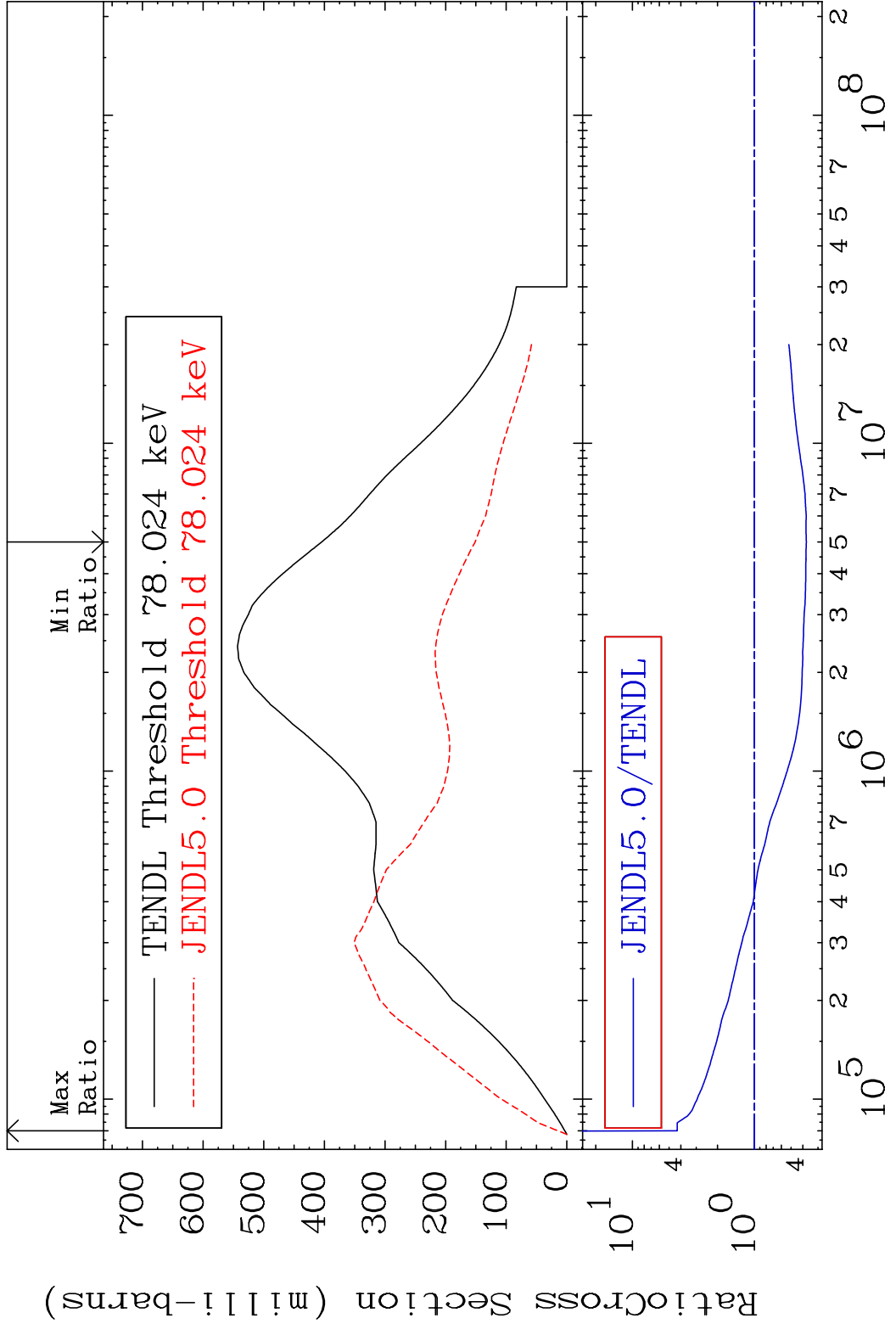


7 Incident Energy (eV) 91-Pa-231

MAT 9131 MT= 52 (n, n') Level 91-Pa-231
 Cross Section 89.84 To 9999. %

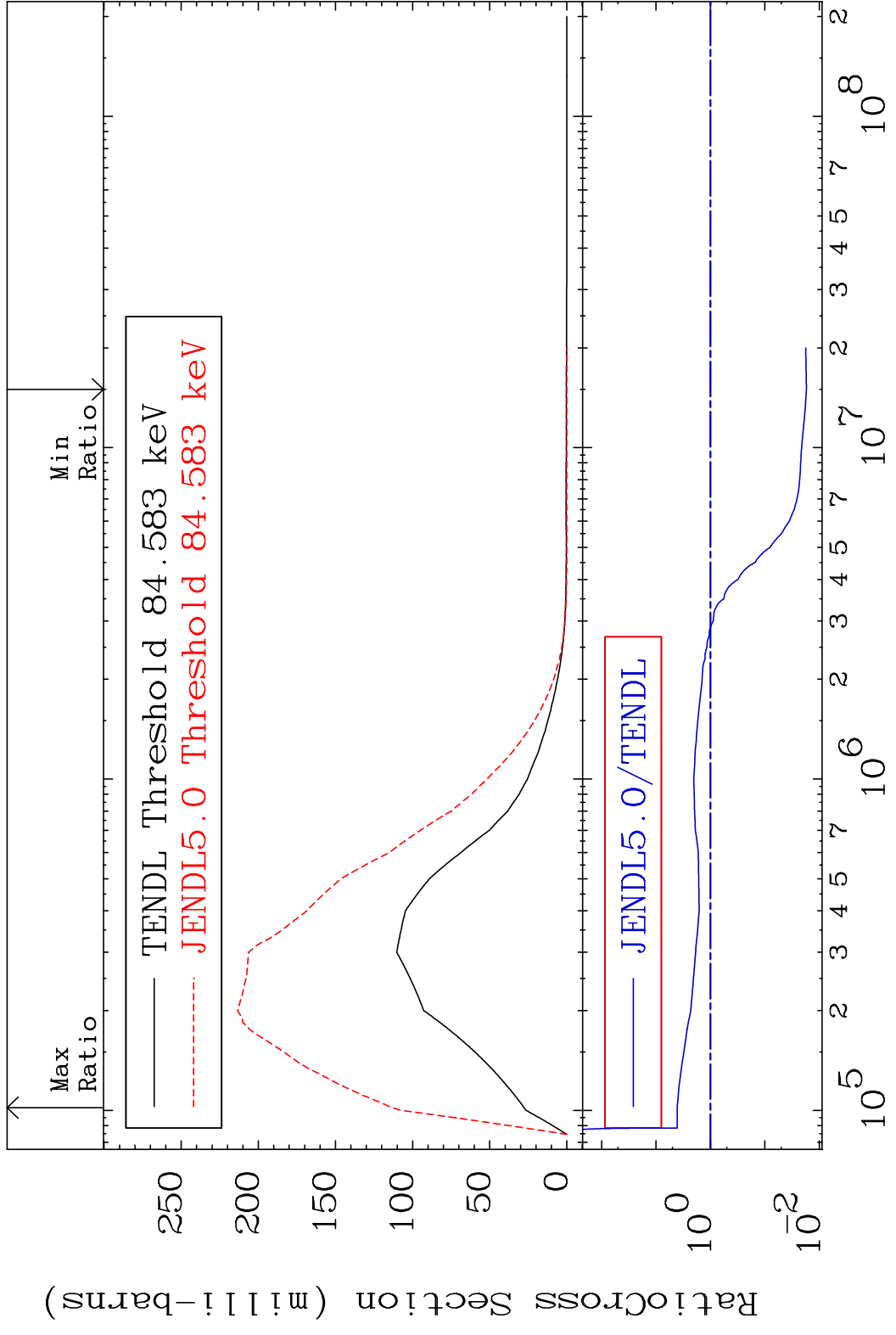


MAT 9131 MT= 53 (n, n') Level 91-Pa-231
 Cross Section -62.59 To 329.1 %



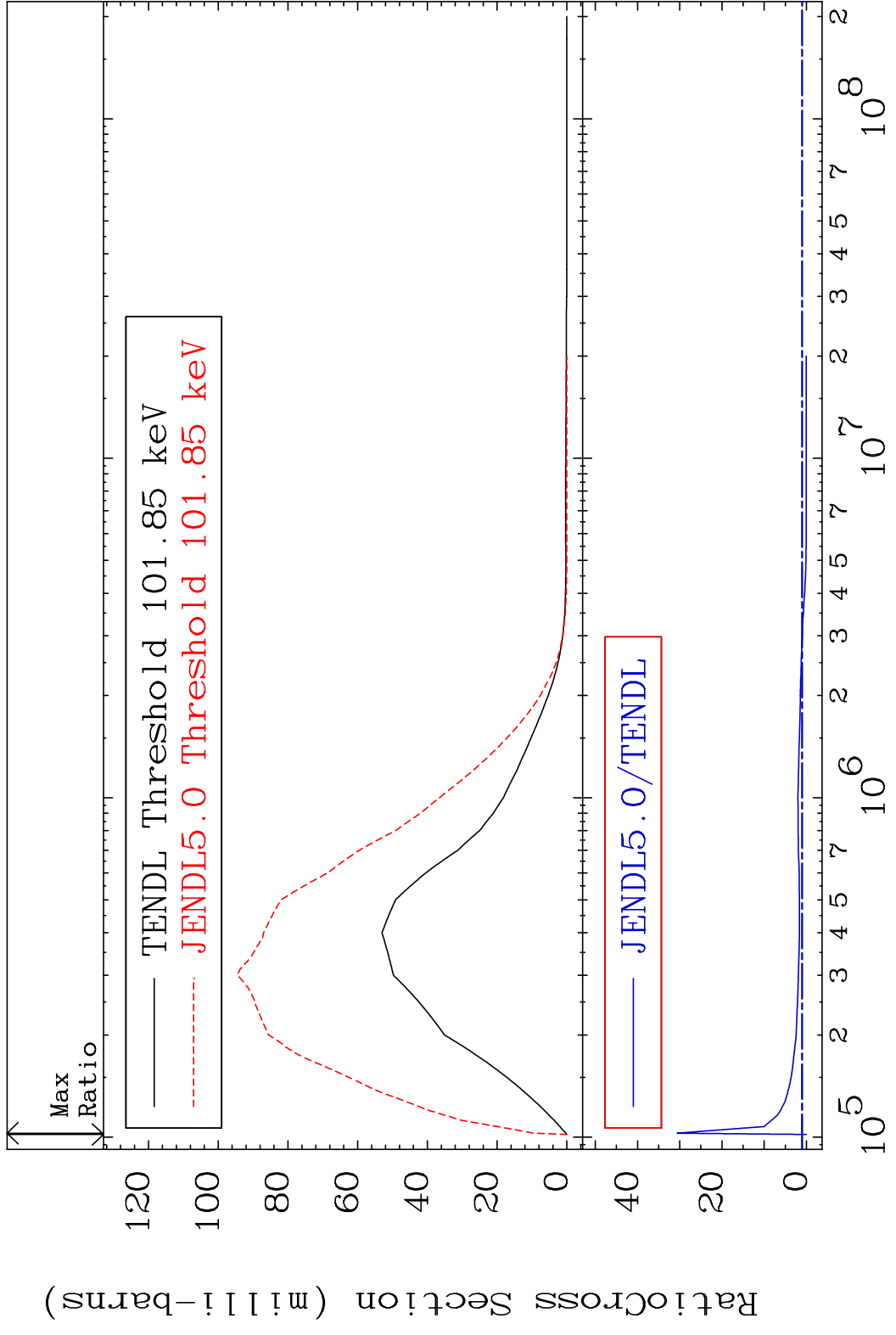
9 Incident Energy (eV) 91-Pa-231

MAT 9131 MT= 54 (n, n') Level 91-Pa-231
 Cross Section -98.28 To 307.9 %

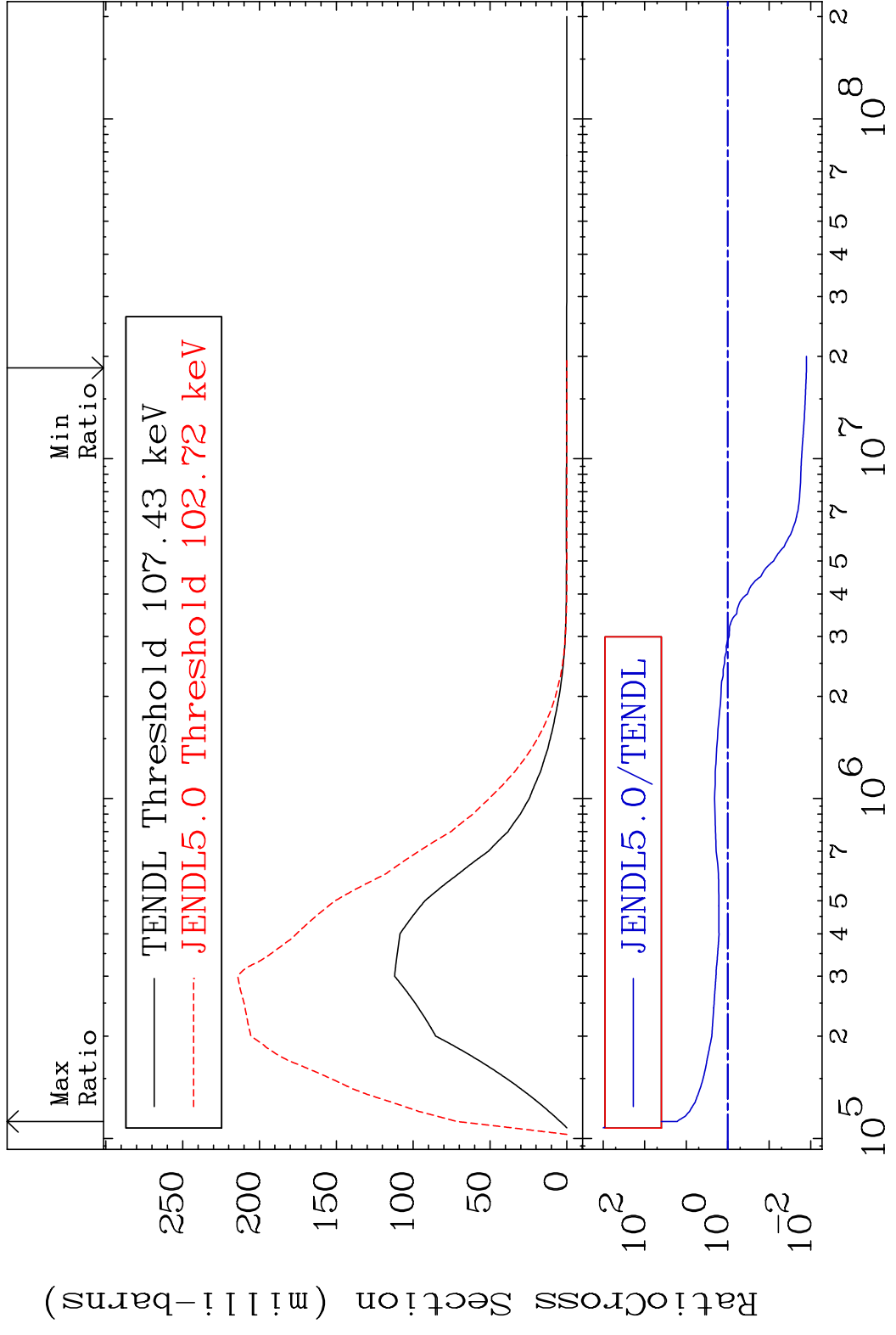


10 10⁵ 10⁶ 10⁷ 10⁸ 2
 91-Pa-231

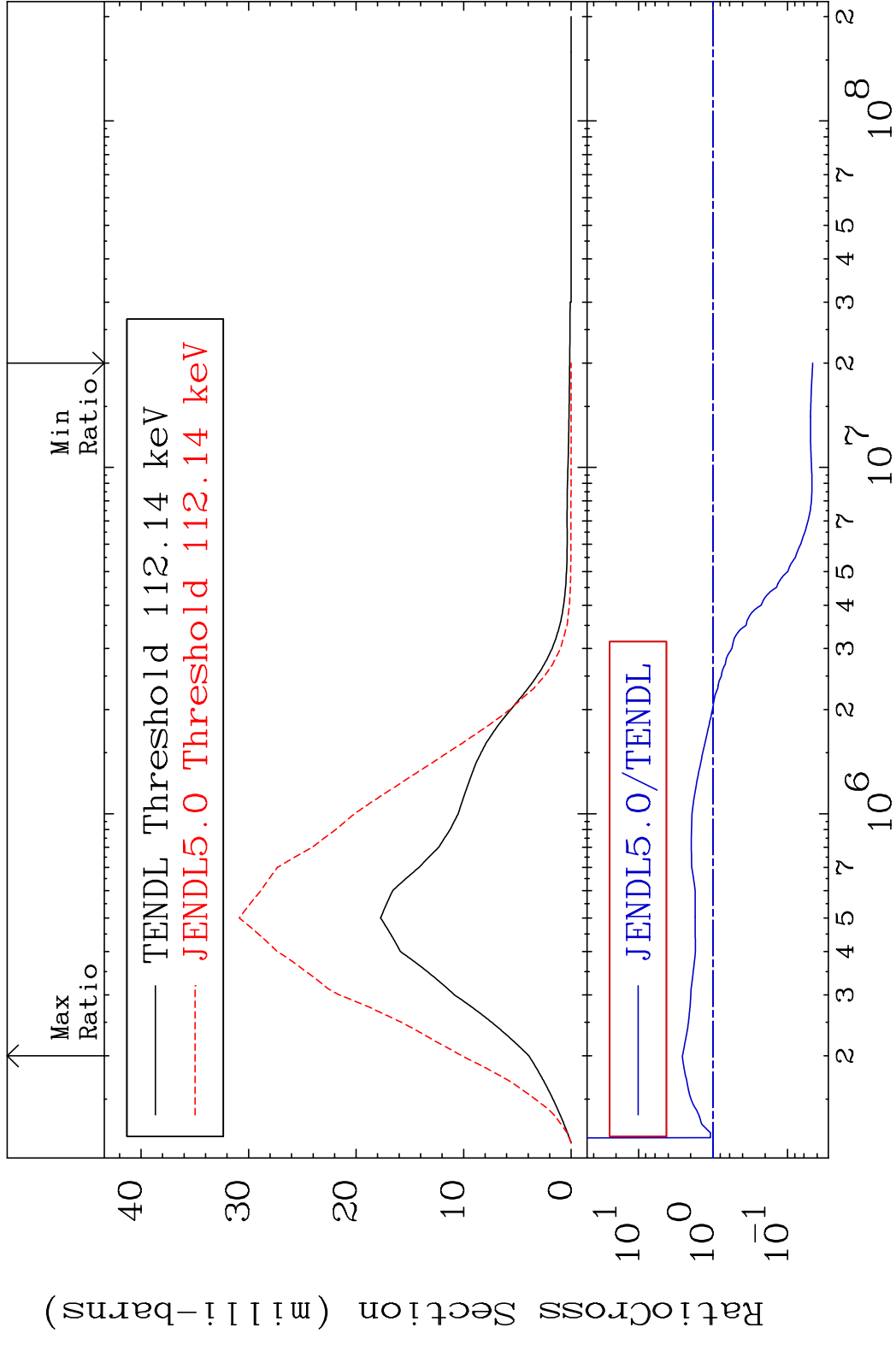
MAT 9131 MT= 55 (n,n') Level 91-Pa-231
 Cross Section -100.0 To 2961. %



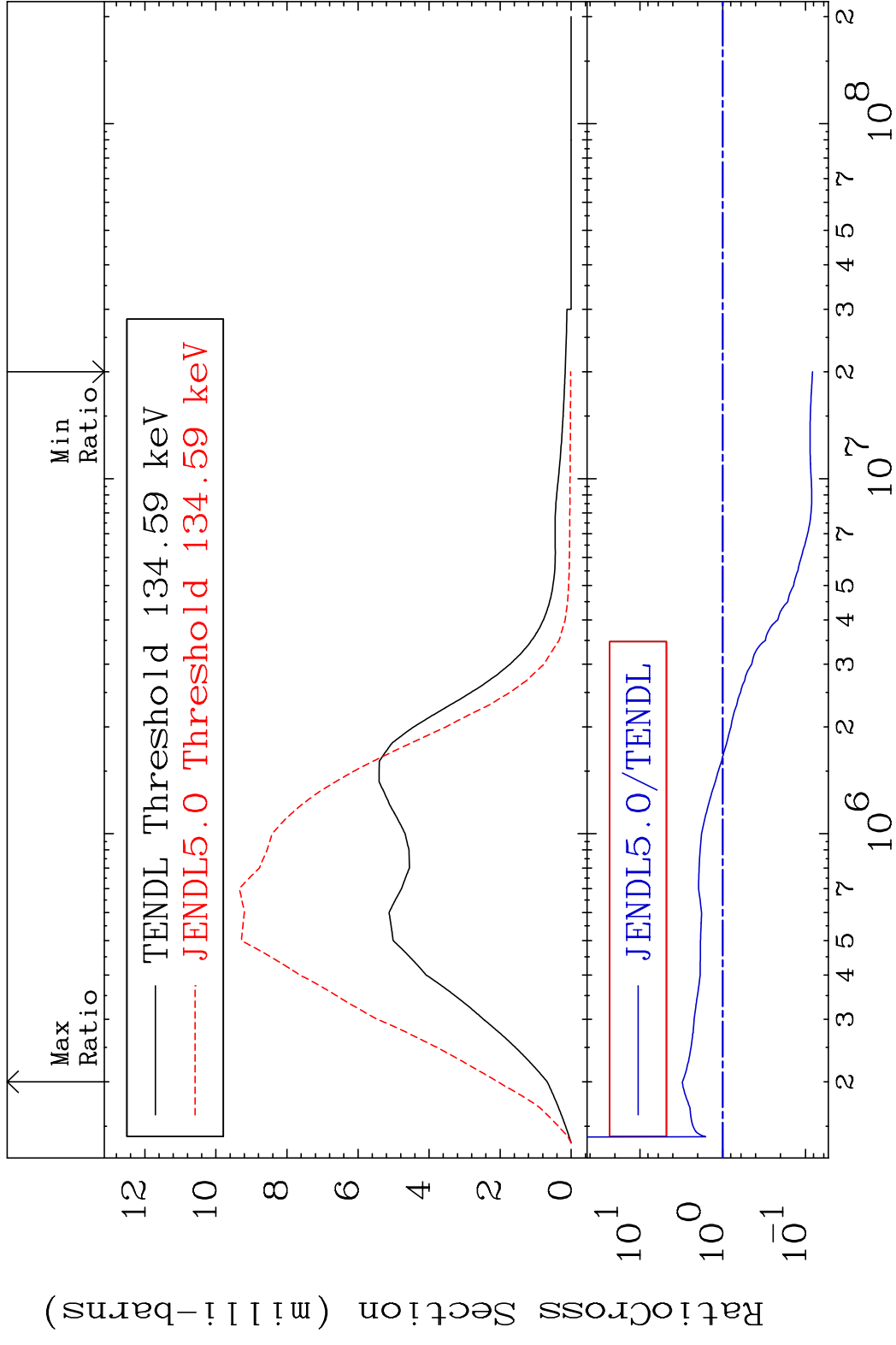
MAT 9131 MT= 56 (n,n') Level 91-Pa-231
 Cross Section -98.73 To 1548. %



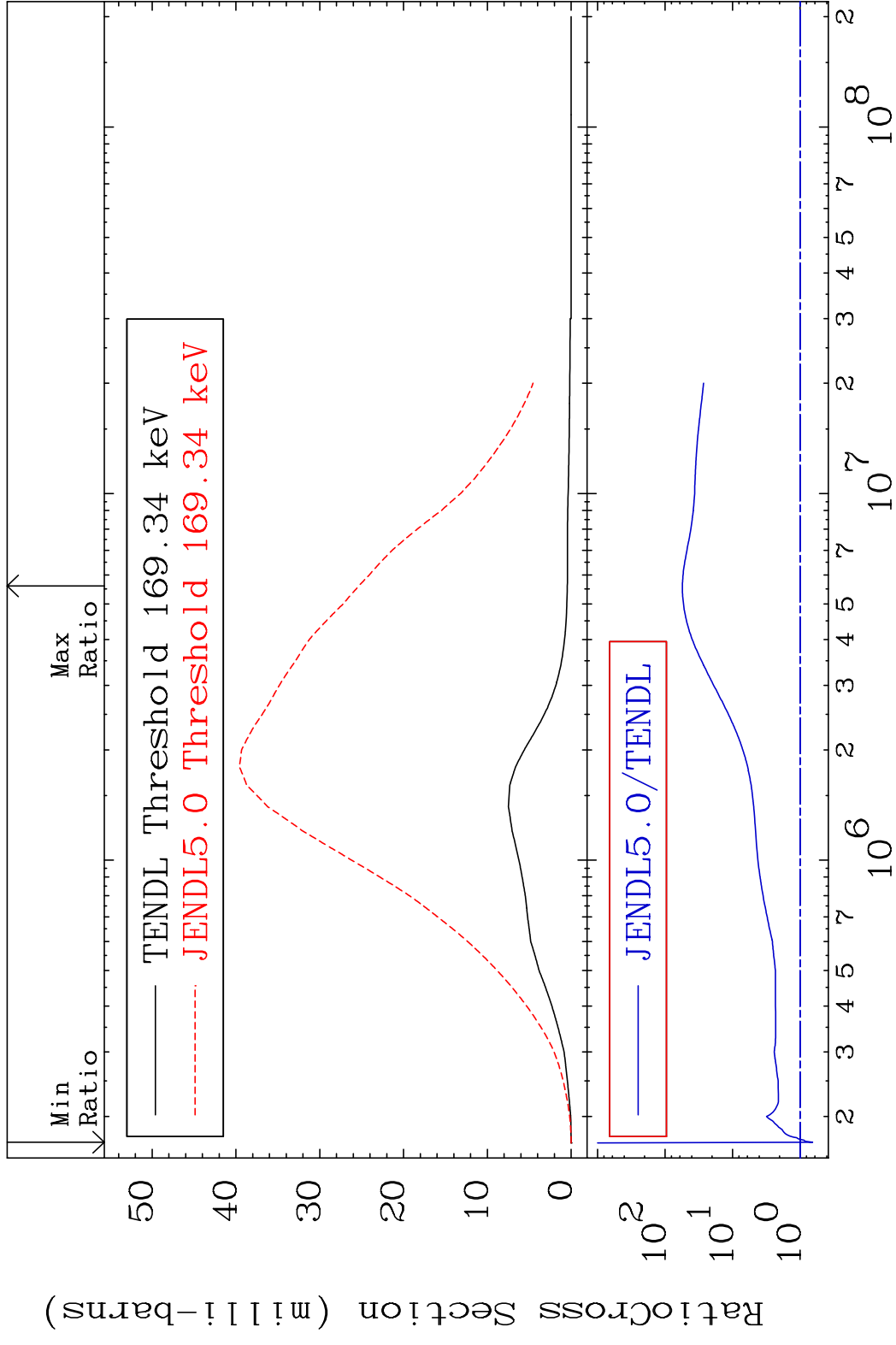
MAT 9131 MT= 57 (n,n') Level 91-Pa-231
 Cross Section -95.39 To 157.8 %



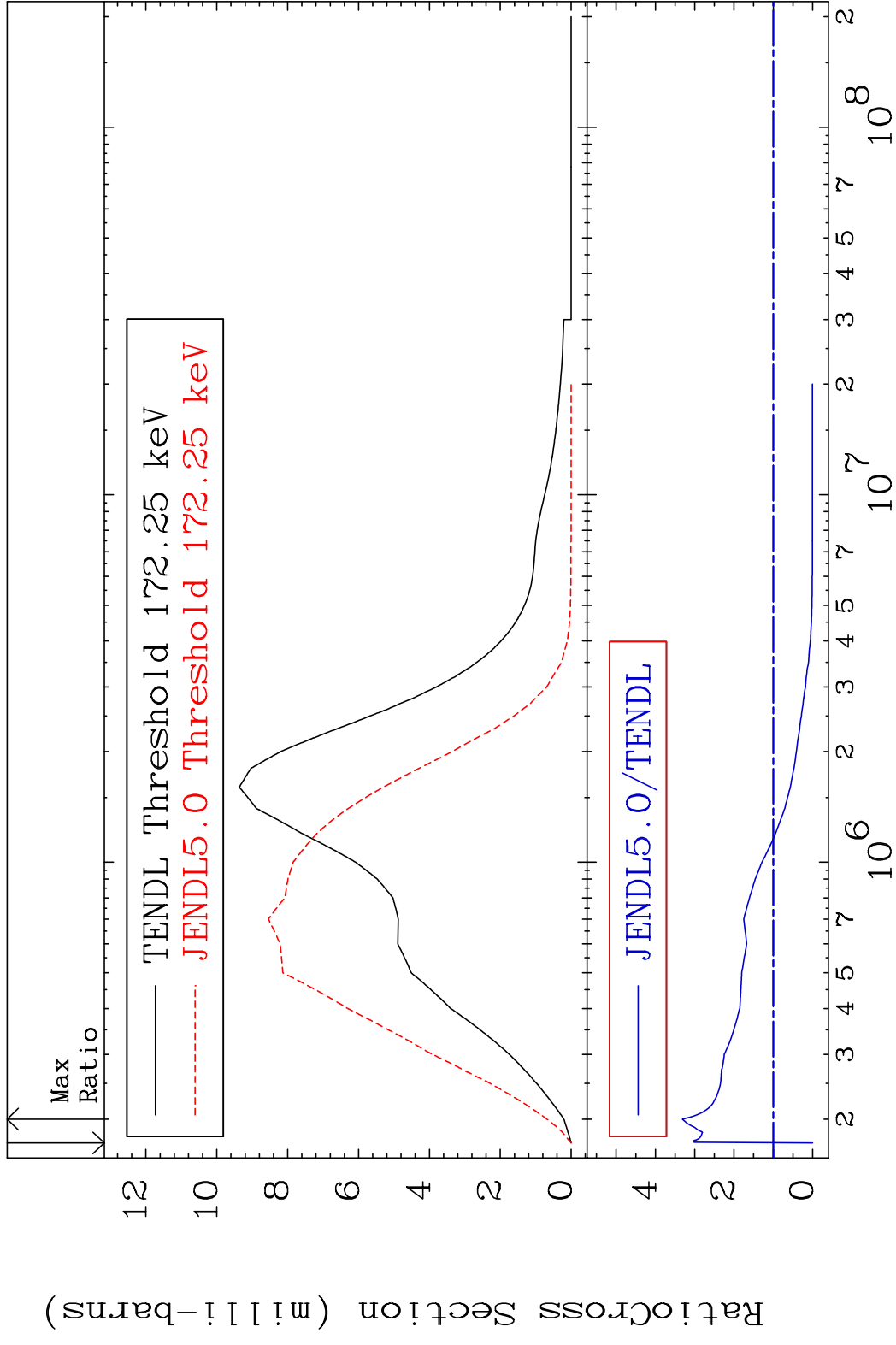
MAT 9131 MT= 58 (n,n') Level 91-Pa-231
 Cross Section -91.79 To 206.8 %



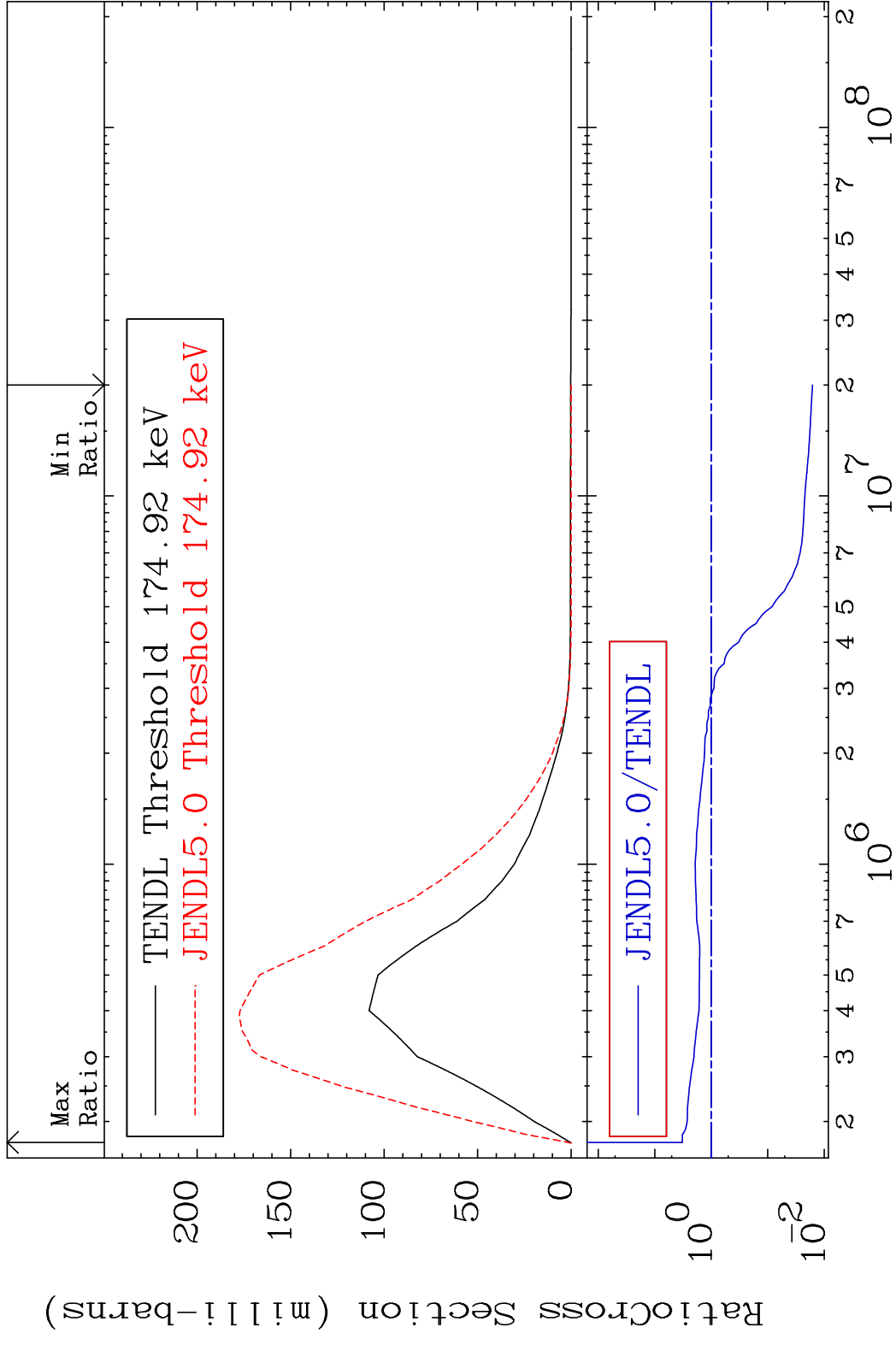
MAT 9131 MT= 59 (n, n') Level 91-Pa-231
 Cross Section -34.92 To 5425. %



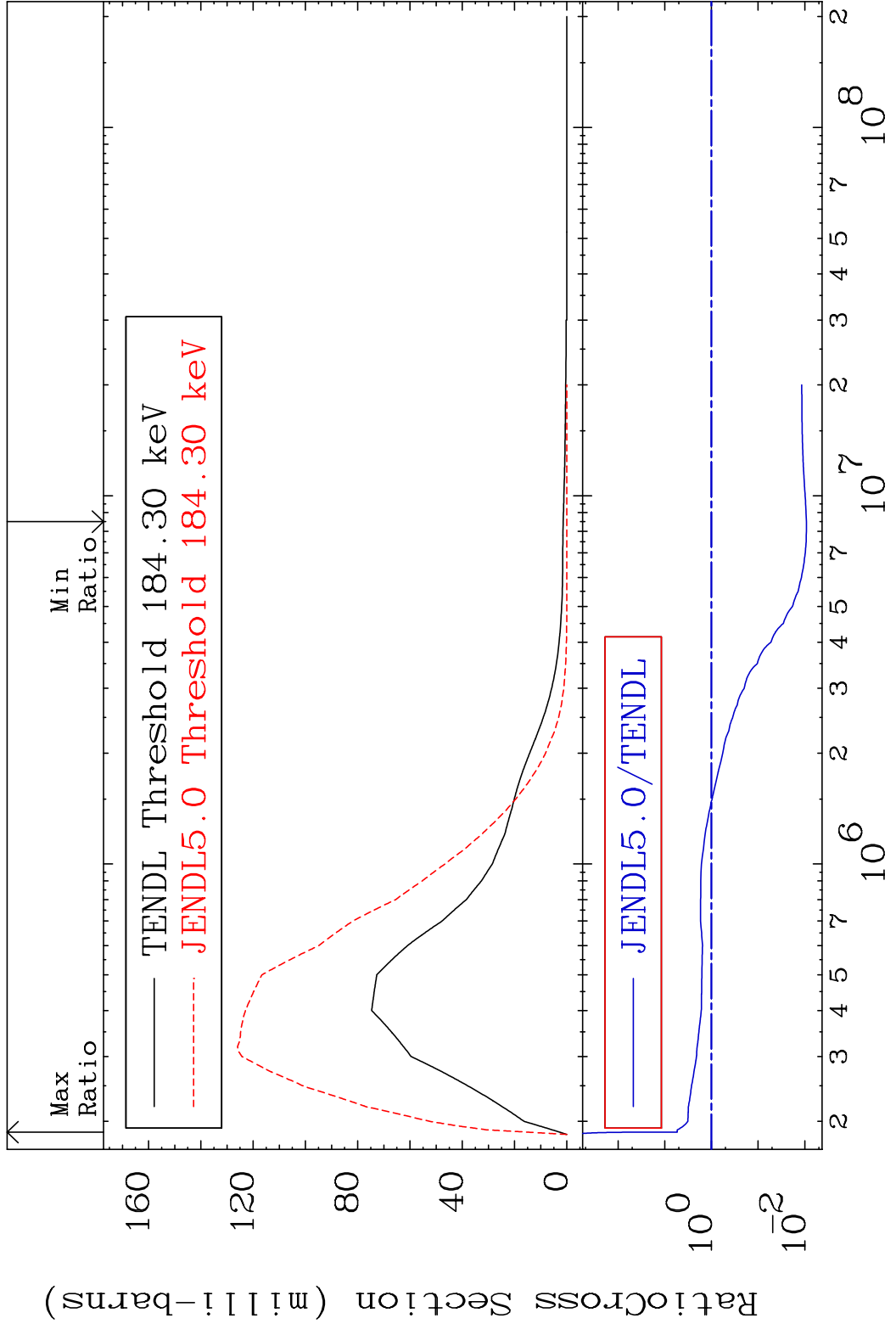
MAT 9131 MT= 60 (n,n') Level 91-Pa-231
 Cross Section -100.0 To 231.4 %



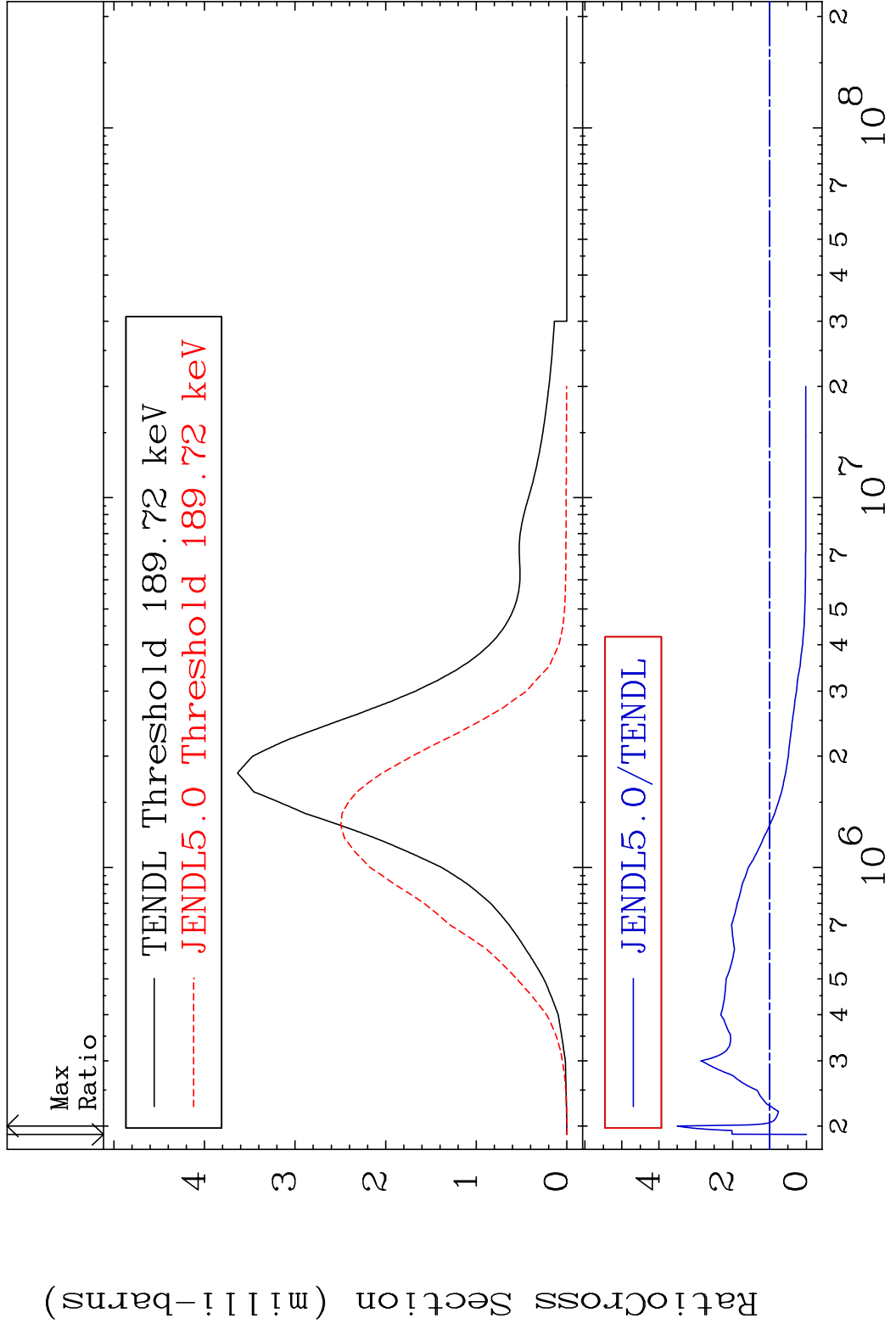
MAT 9131 MT= 61 (n,n') Level 91-Pa-231
 Cross Section -98.39 To 223.9 %



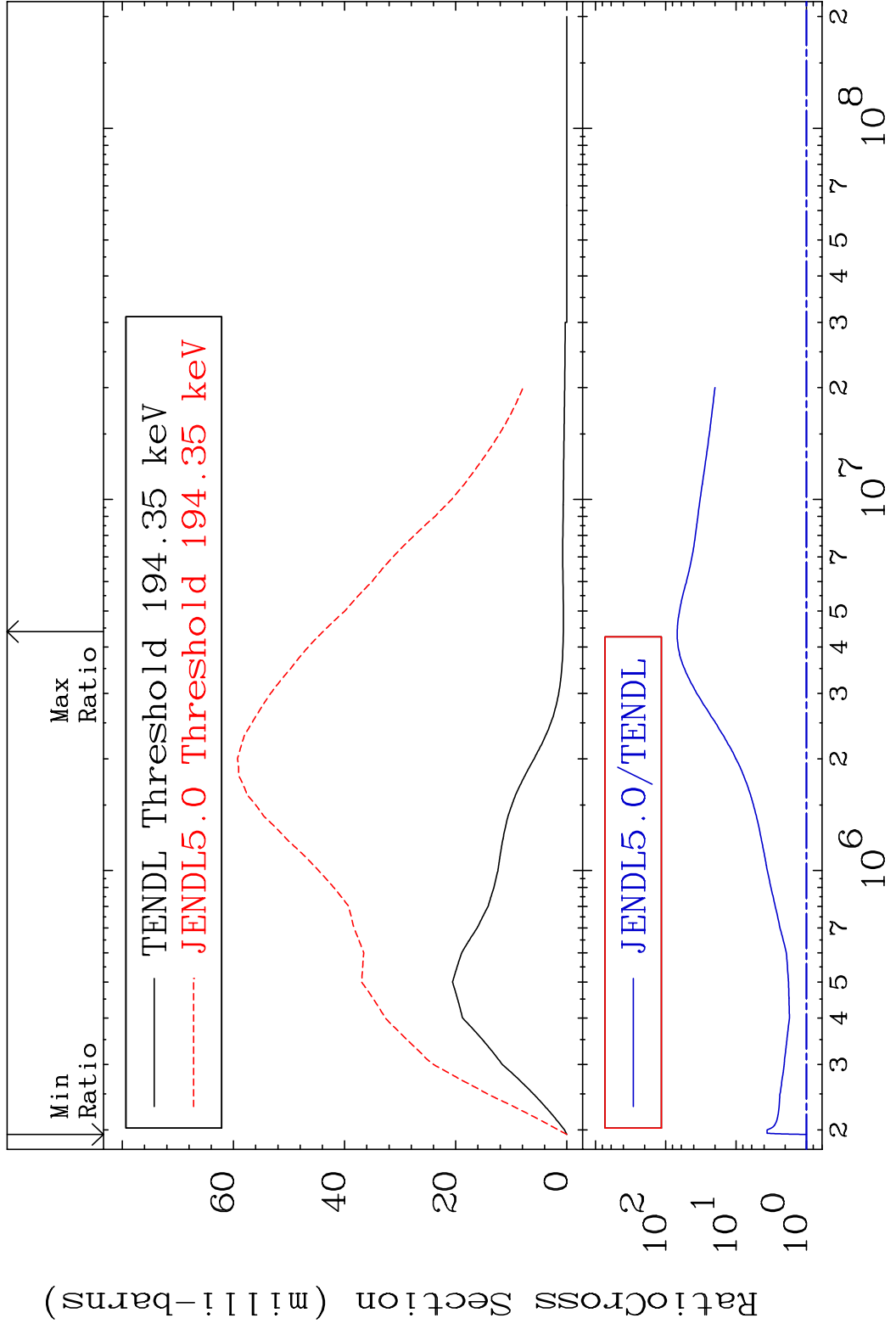
MAT 9131 MT= 62 (n, n') Level 91-Pa-231
 Cross Section -99.08 To 441.4 %



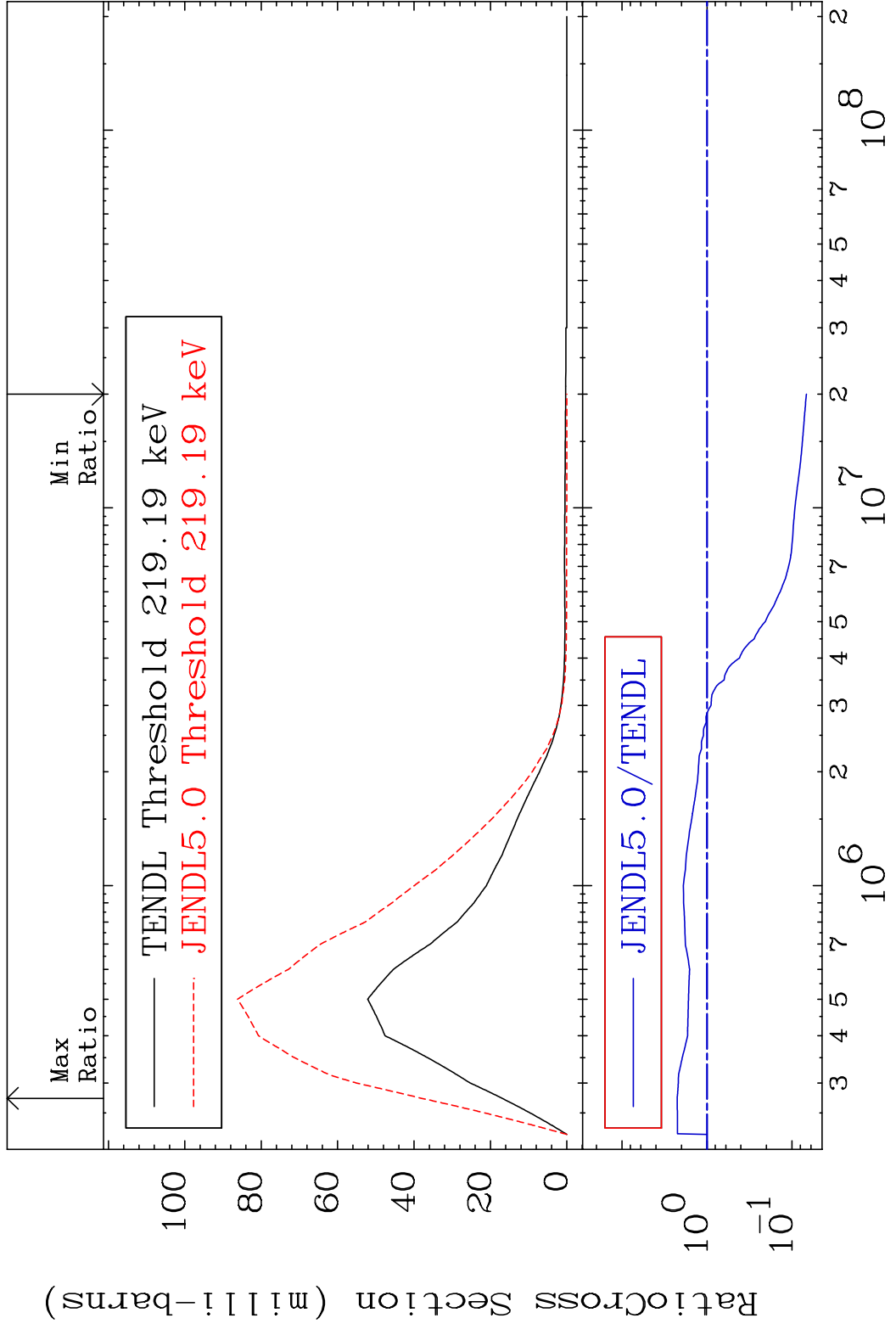
MAT 9131 MT= 63 (n,n') Level 91-Pa-231
 Cross Section -100.0 To 250.1 %



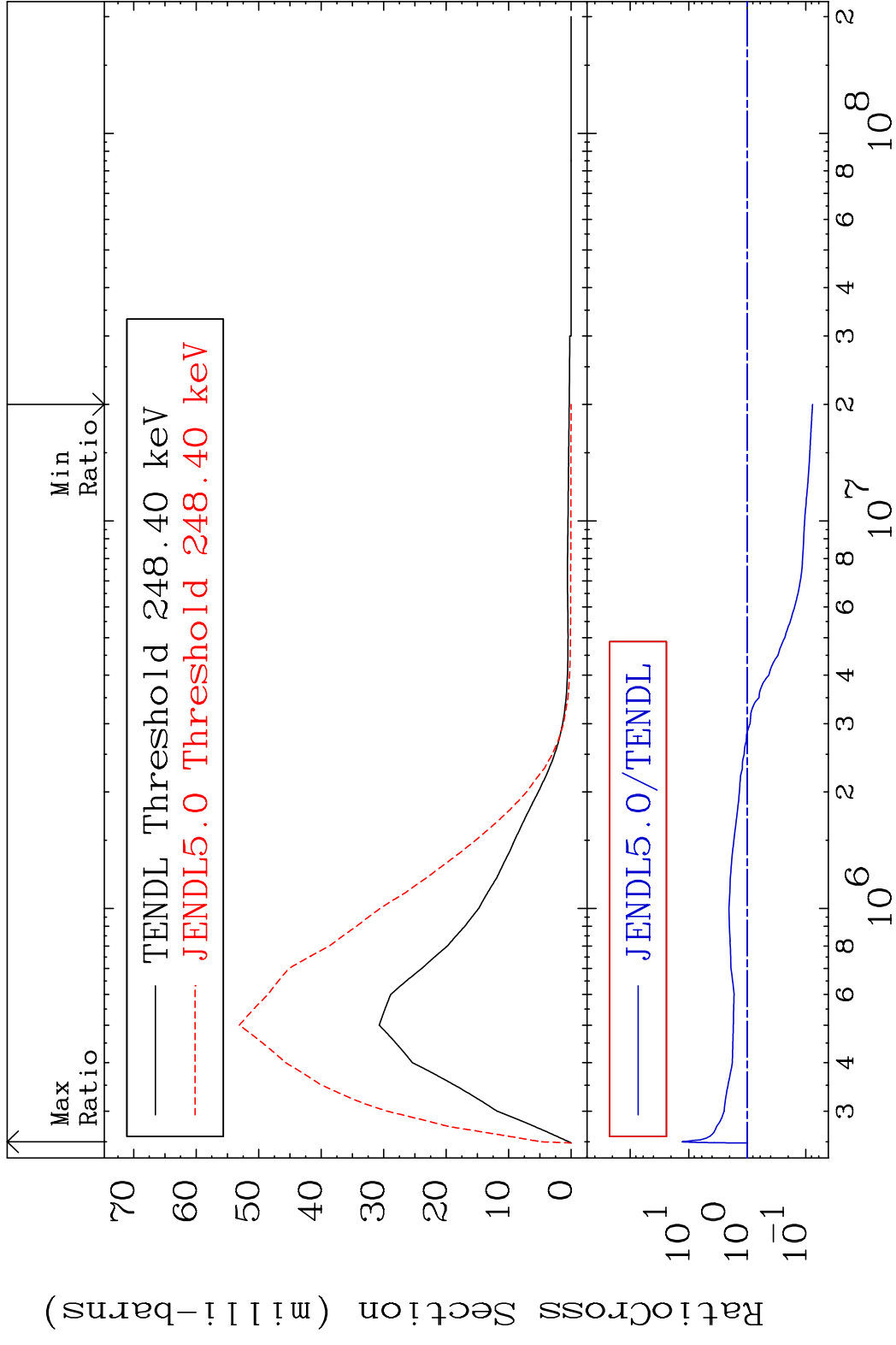
MAT 9131 MT= 64 (n, n') Level 91-Pa-231
 Cross Section 0.000 To 6778. %



MAT 9131 MT= 65 (n,n') Level 91-Pa-231
 Cross Section -93.22 To 124.5 %



MAT 9131 MT= 66 (n,n') Level 91-Pa-231
 Cross Section -92.33 To 1183. %

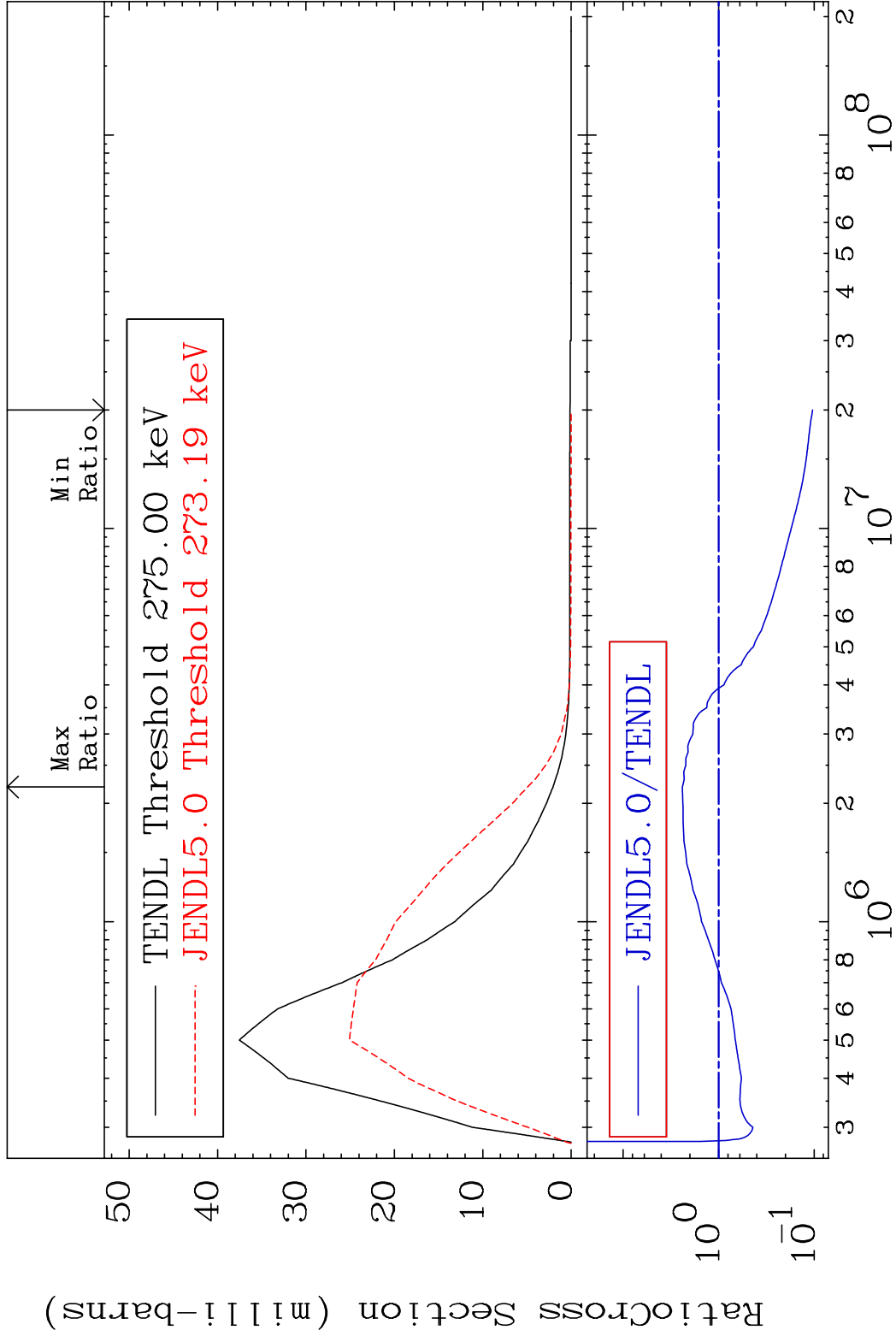


MAT 9131

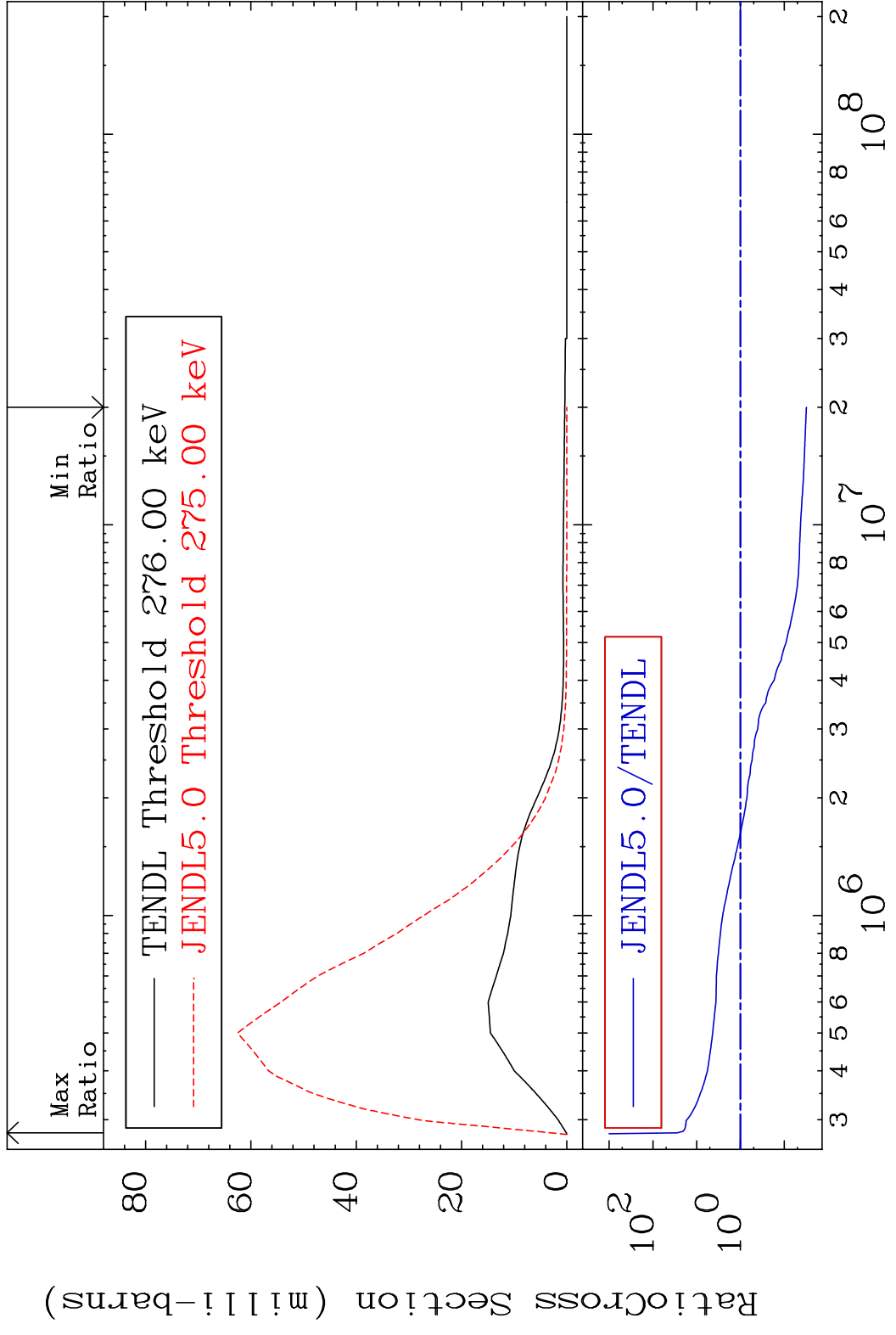
MT= 67 (n, n') Level

91-Pa-231

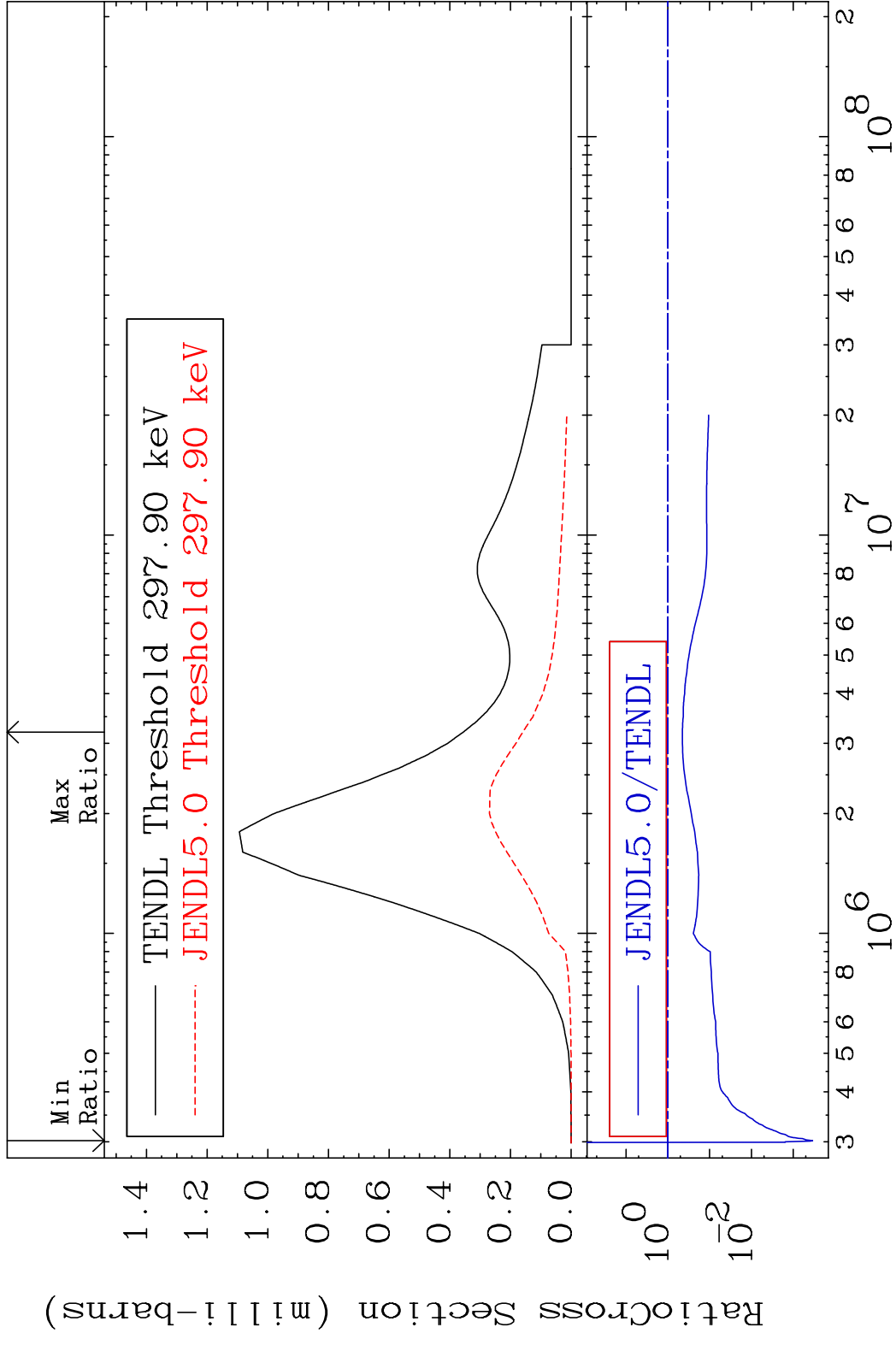
Cross Section -89.61 To 139.8 %



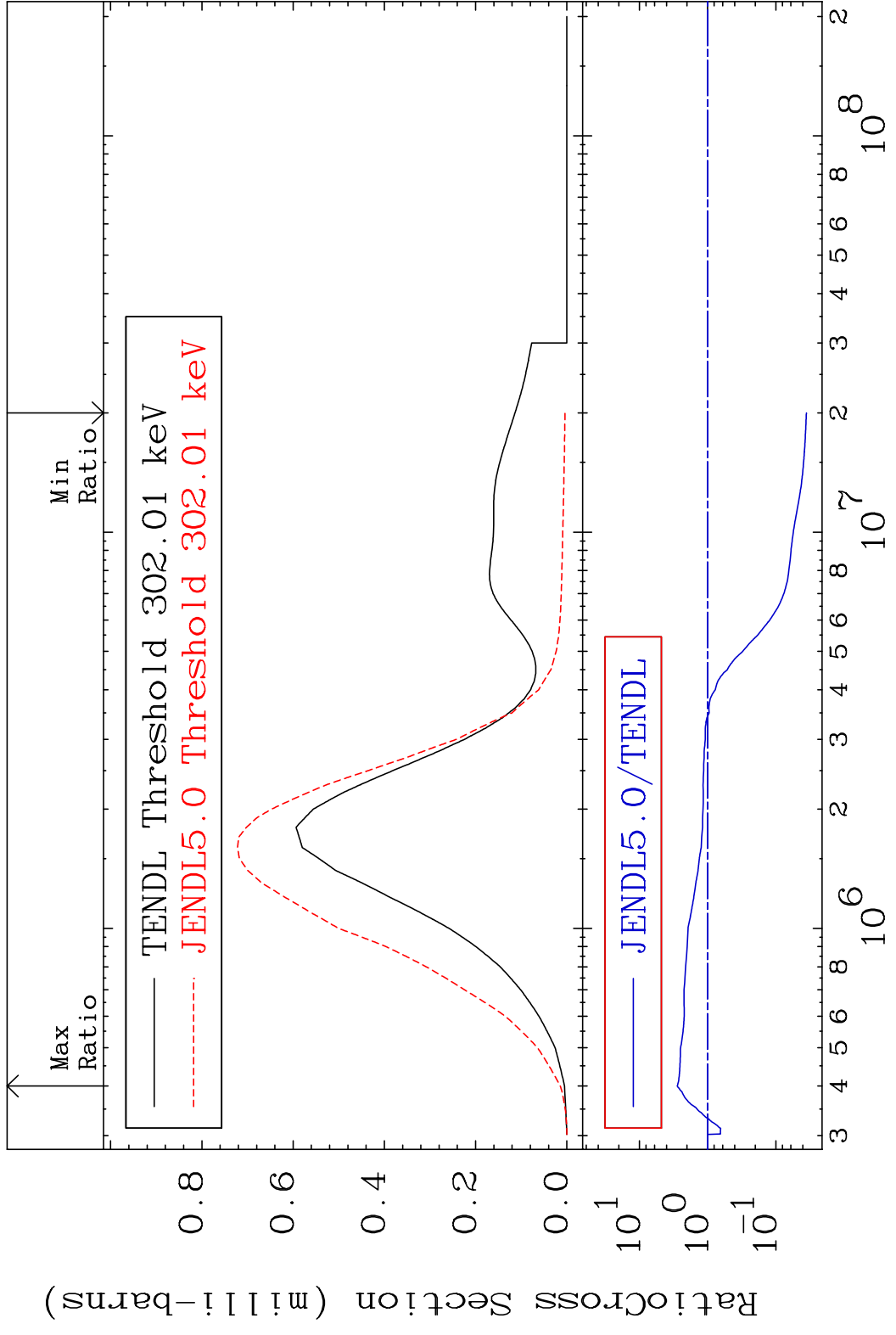
MAT 9131 MT= 68 (n, n') Level 91-Pa-231
 Cross Section -96.89 To 2688. %



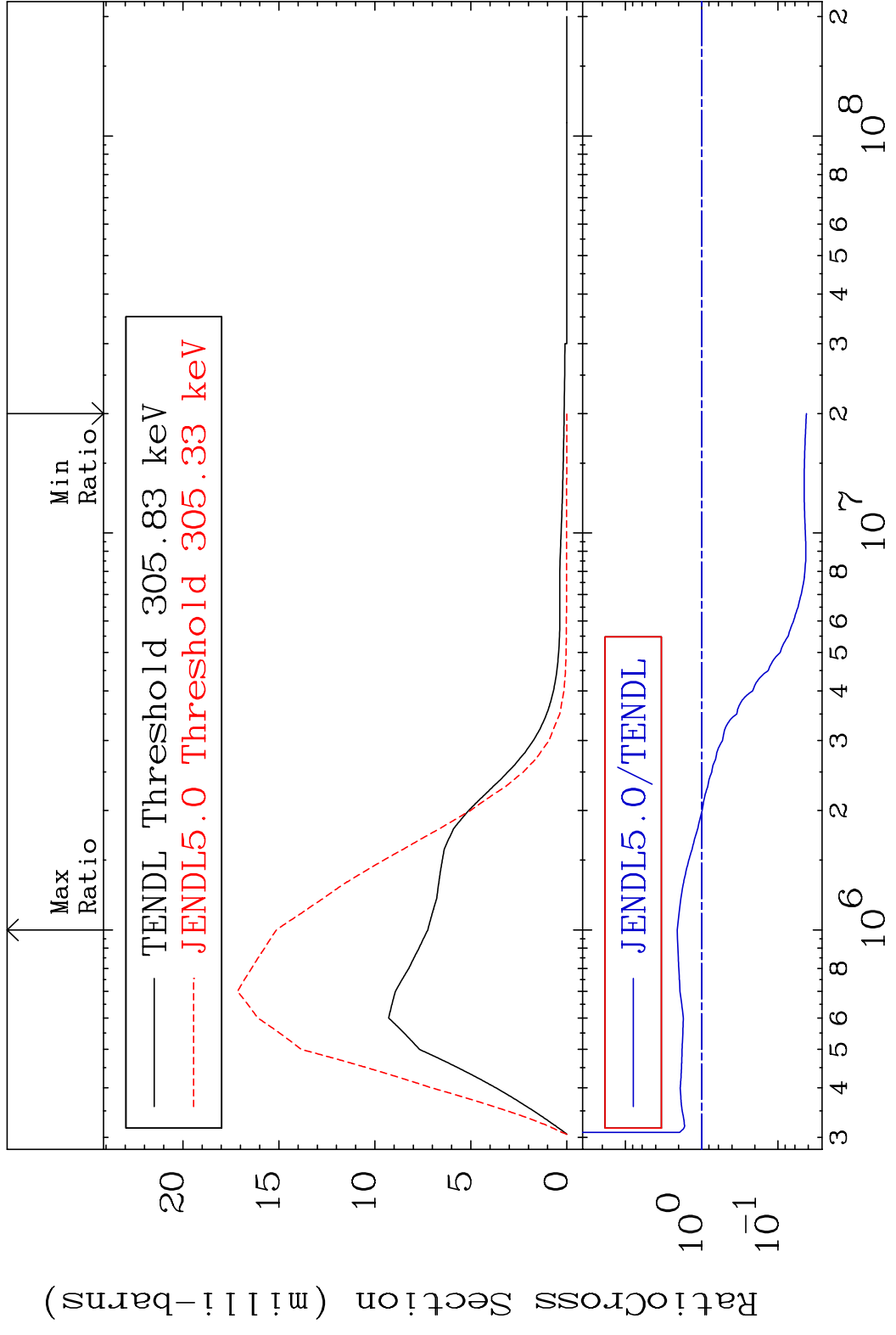
MAT 9131 MT= 69 (n,n') Level 91-Pa-231
 Cross Section -99.97 To -55.14%



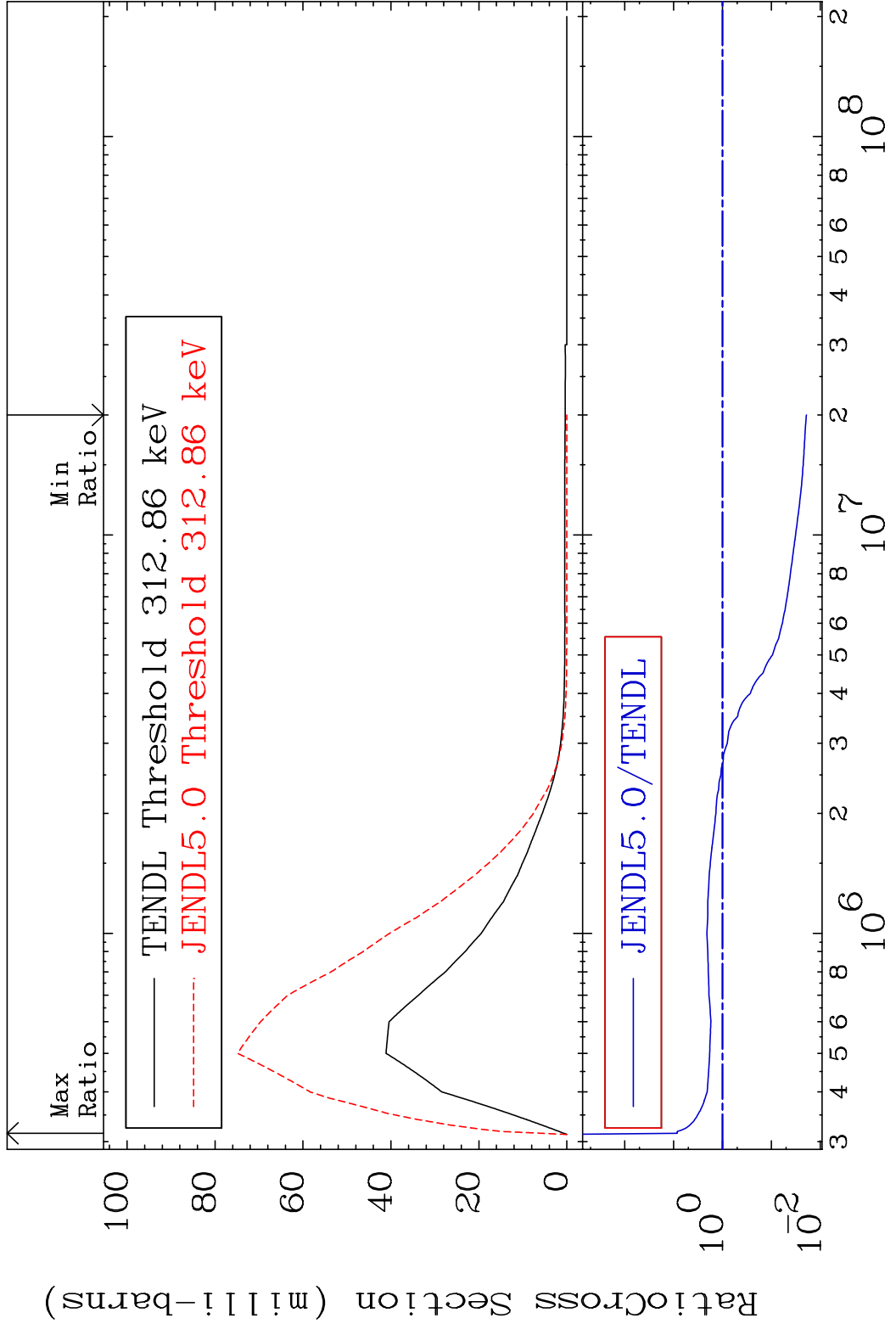
MAT 9131 MT= 70 (n,n') Level 91-Pa-231
 Cross Section -96.44 To 179.1 %



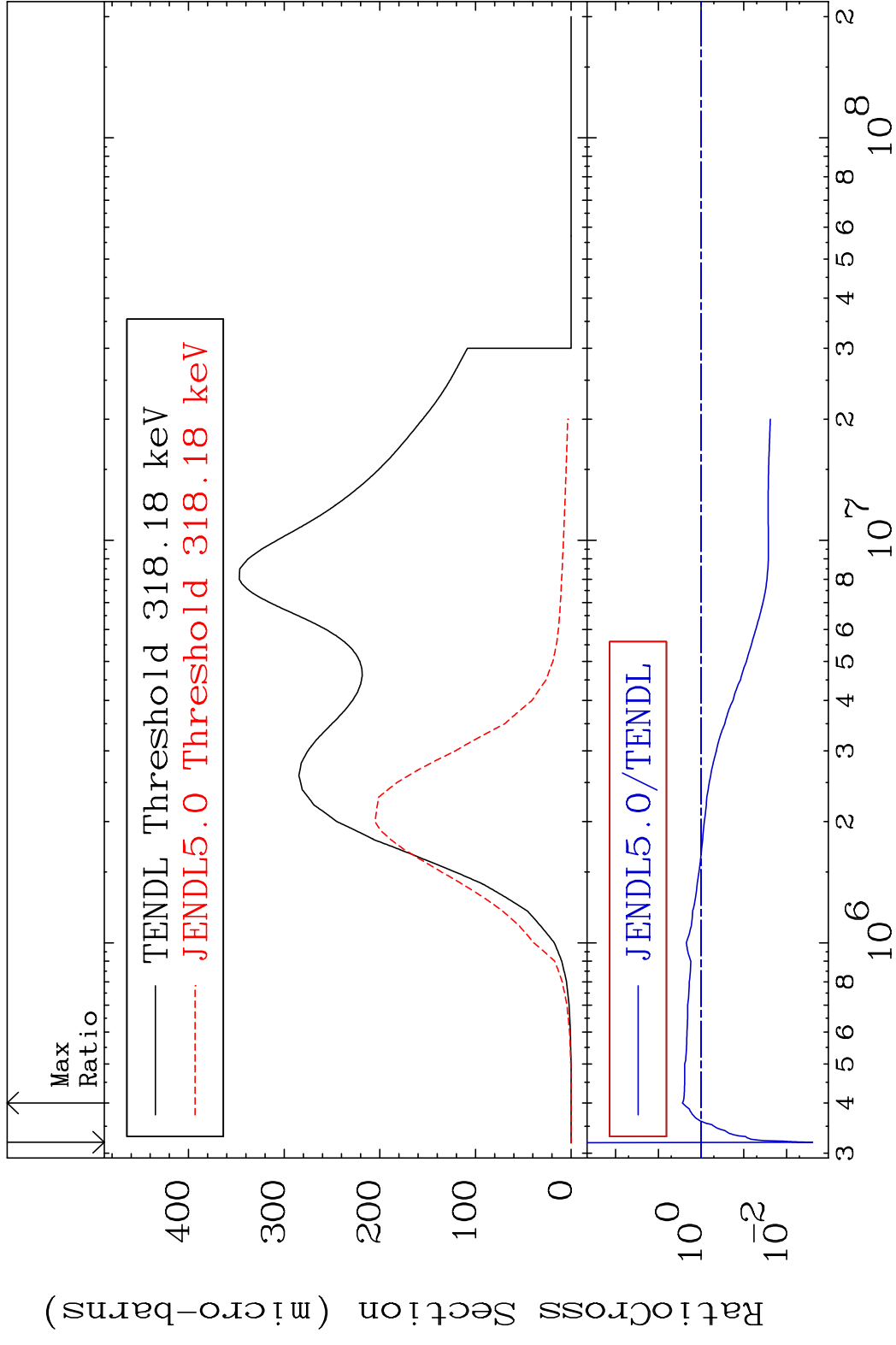
MAT 9131 MT= 71 (n, n') Level 91-Pa-231
 Cross Section -95.77 To 108.9 %



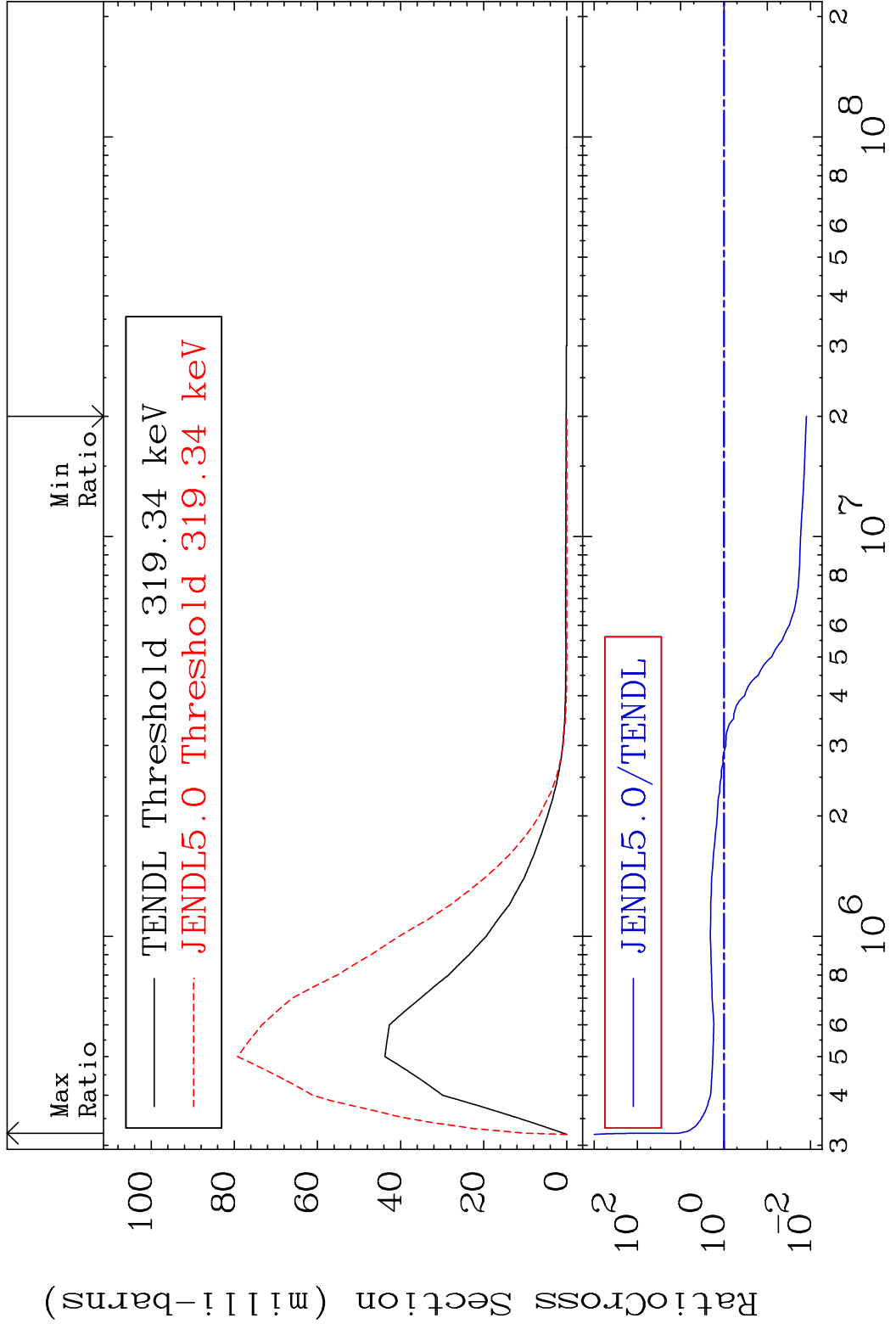
MAT 9131 MT= 72 (n,n') Level 91-Pa-231
 Cross Section -98.08 To 742.1 %



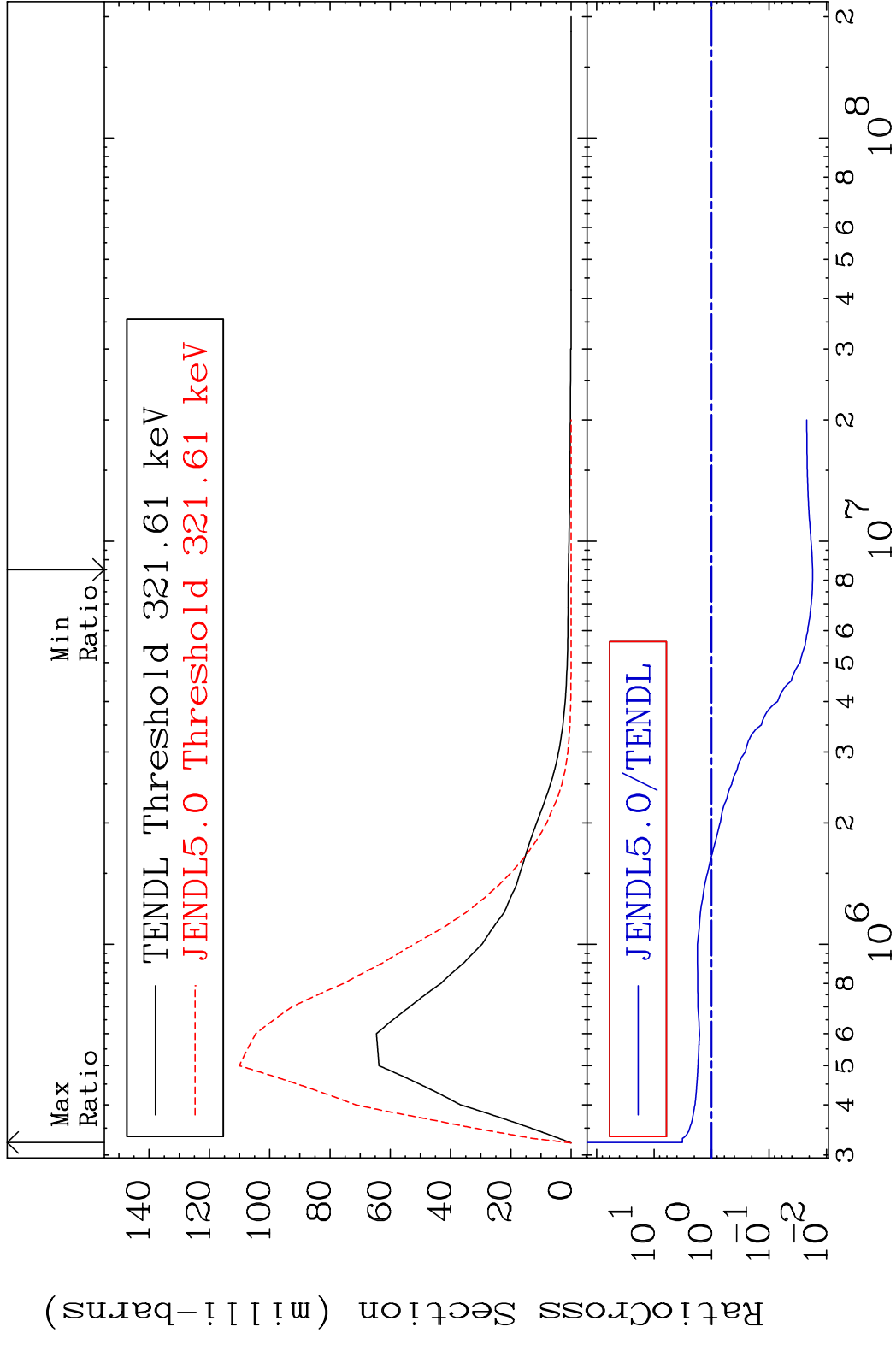
MAT 9131 MT= 73 (n, n') Level 91-Pa-231
 Cross Section -99.75 To 174.0 %



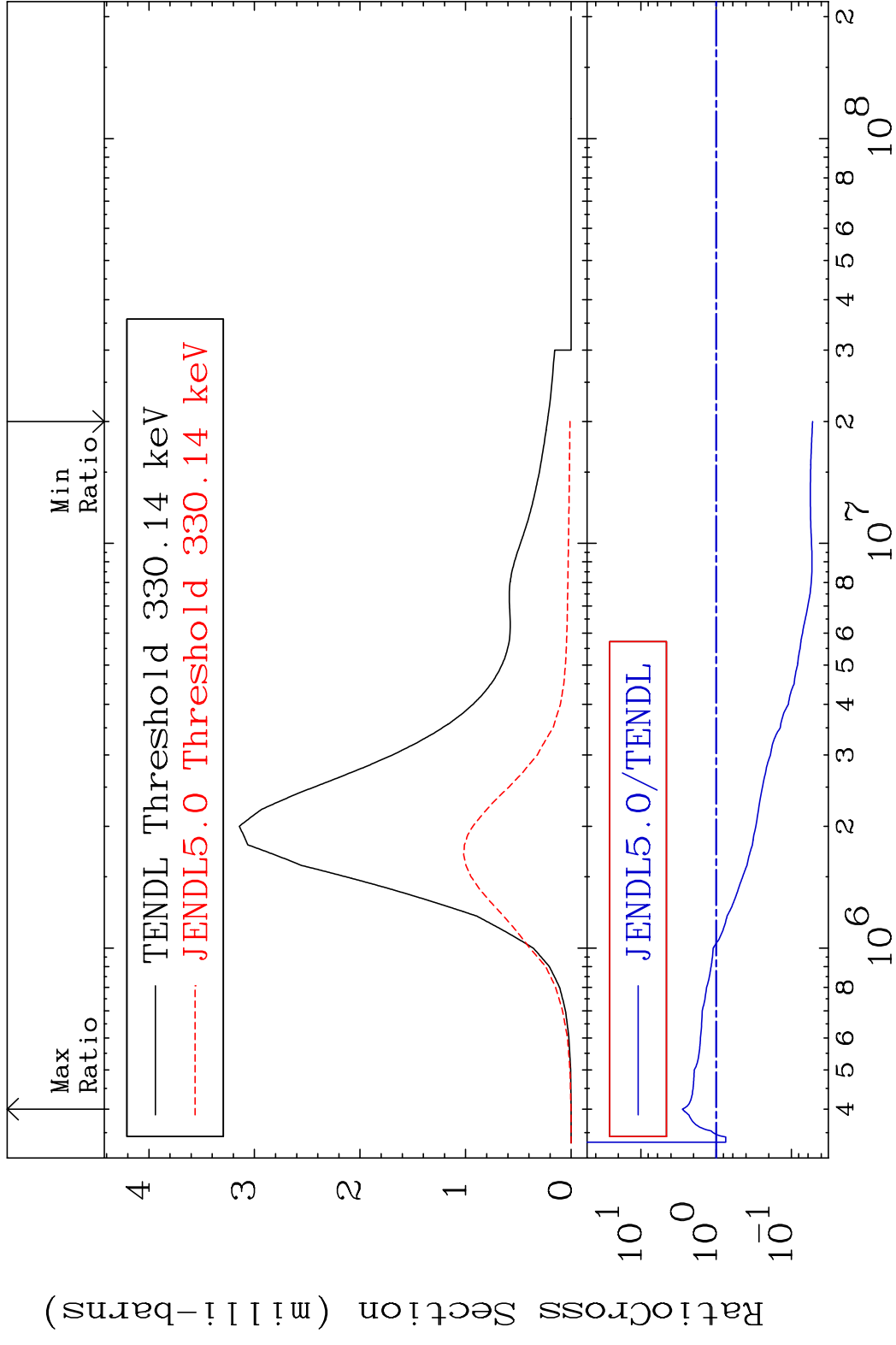
MAT 9131 MT= 74 (n,n') Level 91-Pa-231
 Cross Section -98.75 To 1106. %



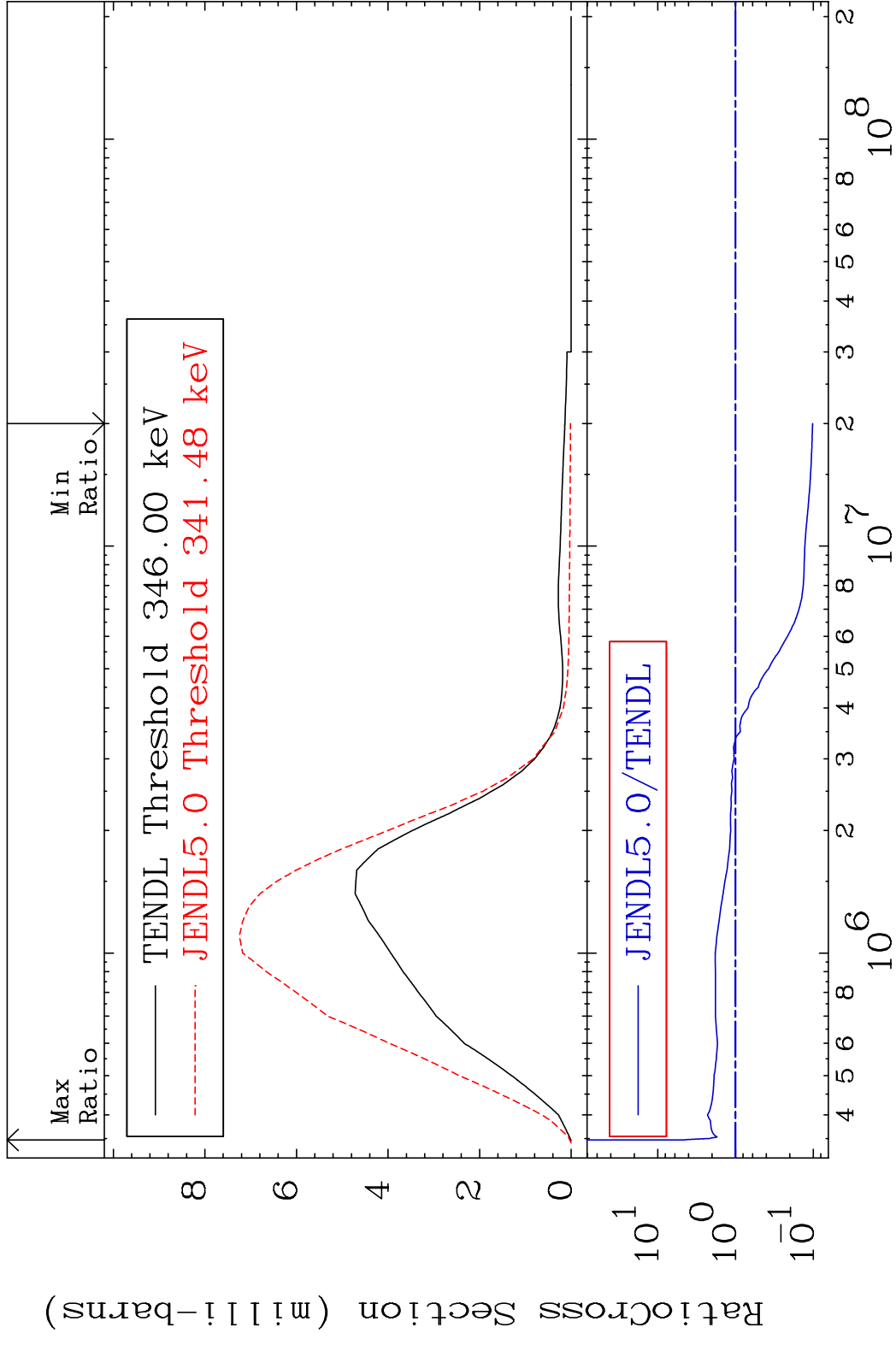
MAT 9131 MT= 75 (n, n') Level 91-Pa-231
 Cross Section -98.25 To 222.5 %



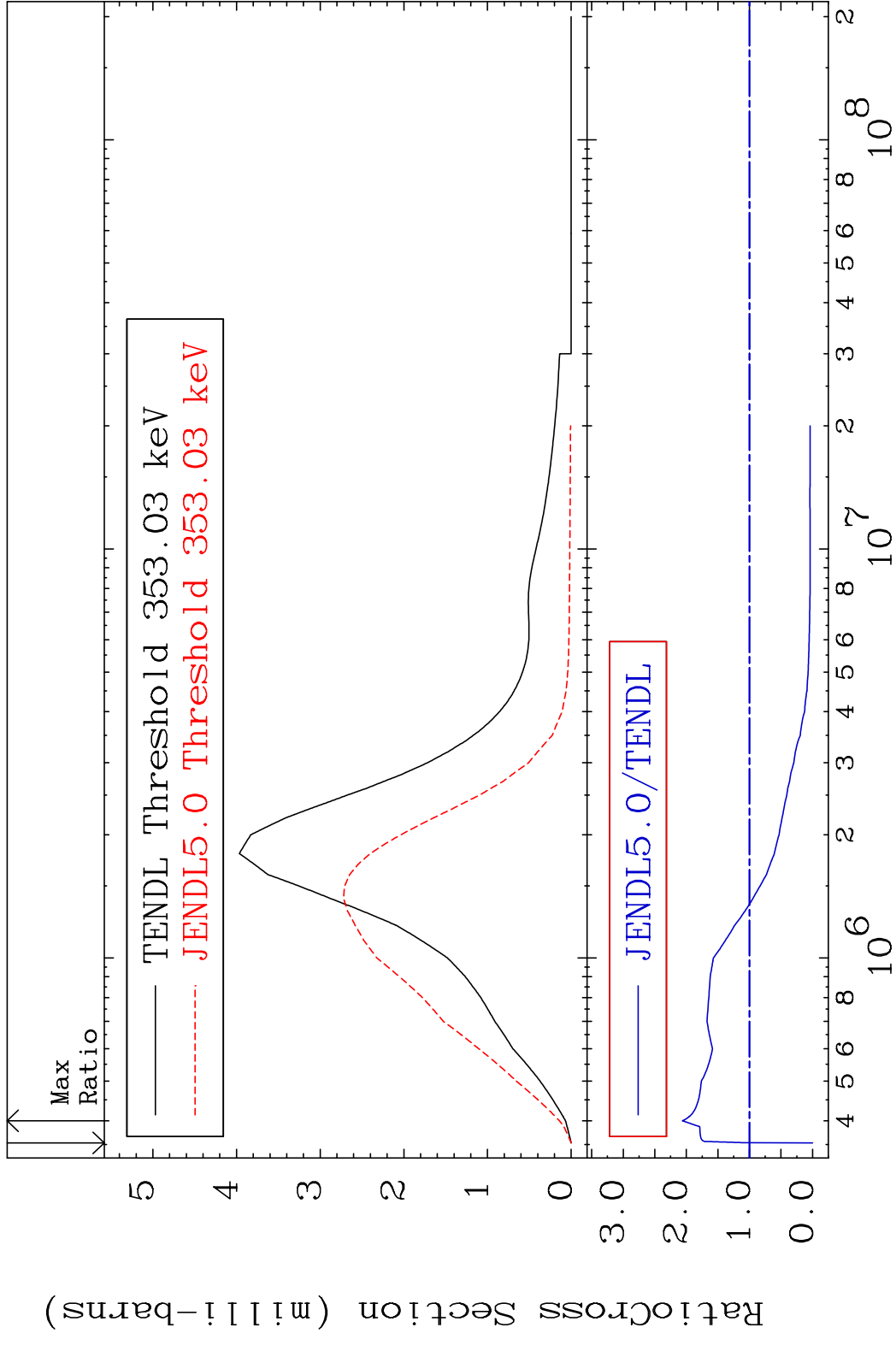
MAT 9131 MT= 76 (n,n') Level 91-Pa-231
 Cross Section -94.77 To 181.6 %



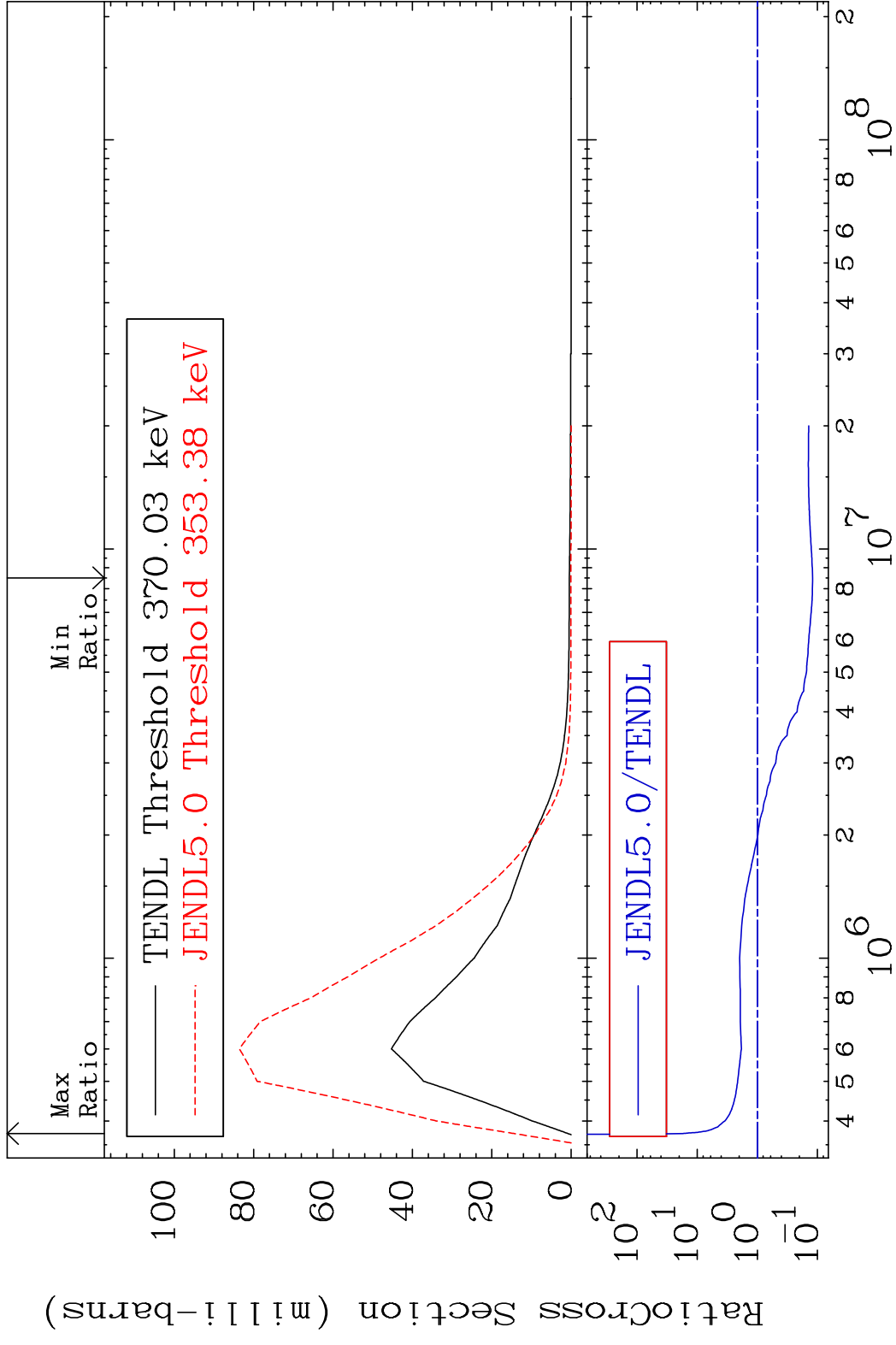
MAT 9131 MT= 77 (n, n') Level 91-Pa-231
 Cross Section -89.80 To 381.3 %



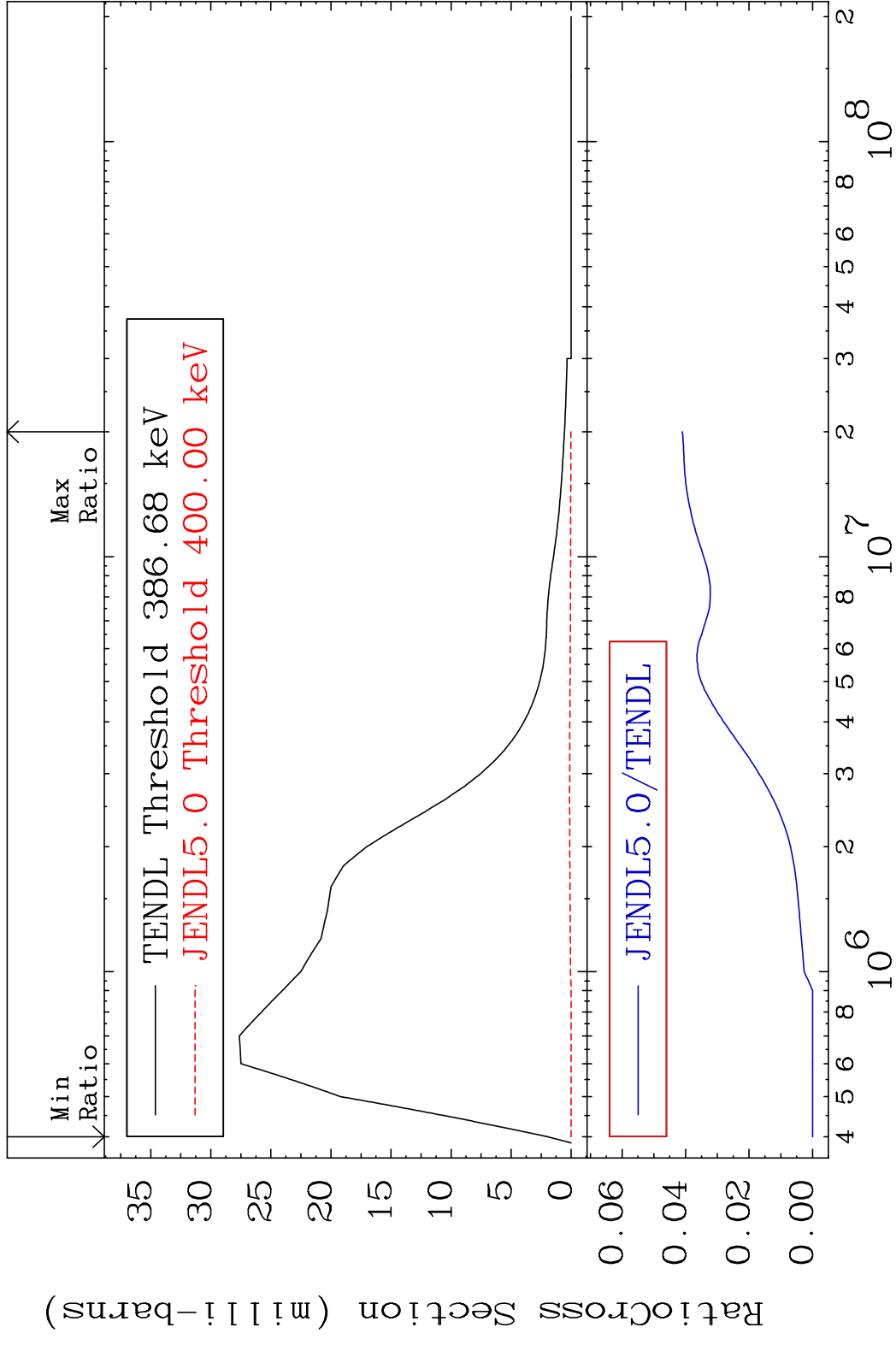
MAT 9131 MT= 78 (n, n') Level 91-Pa-231
 Cross Section -100.0 To 106.3 %



MAT 9131 MT= 79 (n,n') Level 91-Pa-231
 Cross Section -87.91 To 1666. %



MAT 9131 MT= 80 (n, n') Level 91-Pa-231
 Cross Section -100.0 To -95.90%

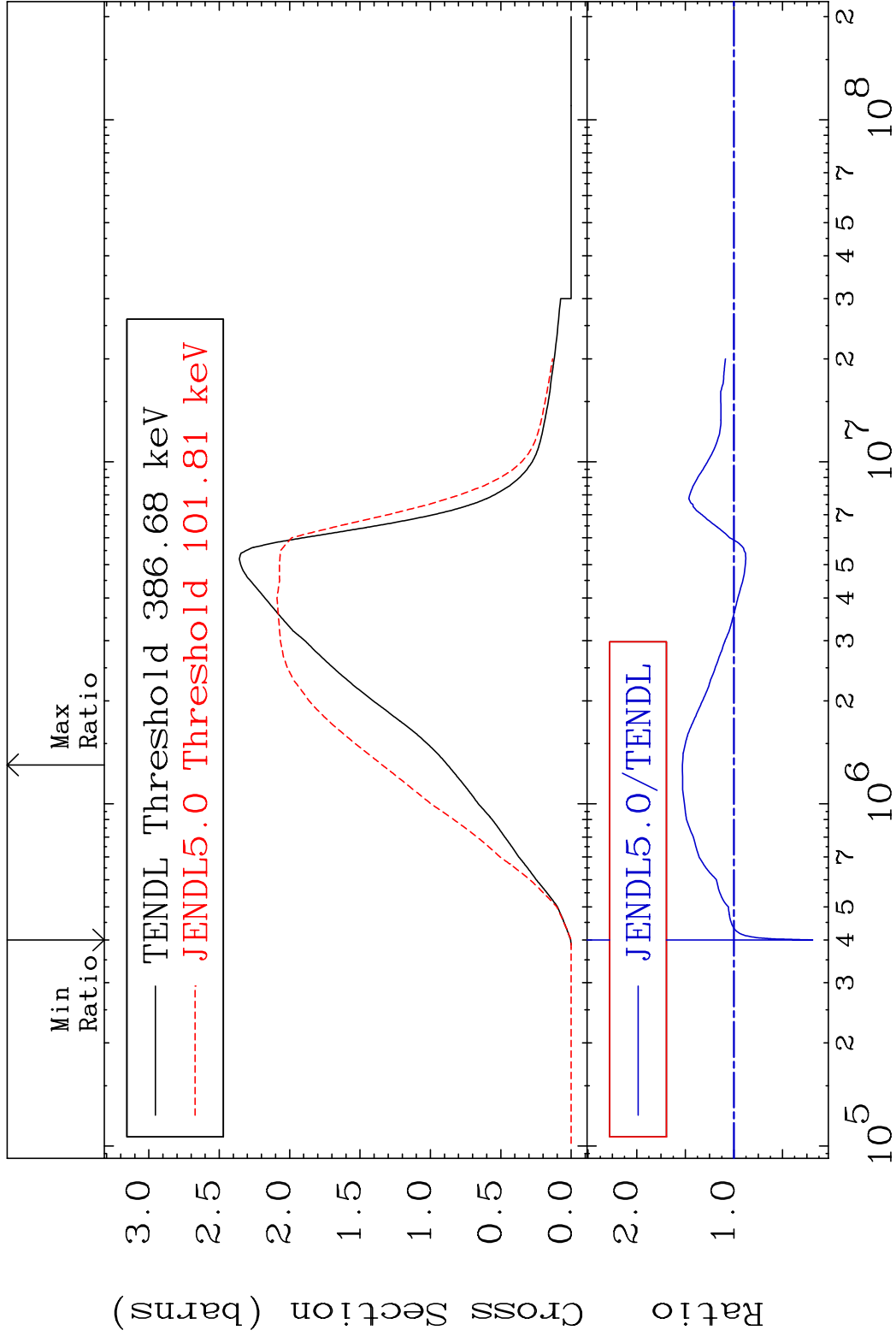


MAT 9131

(n, n') Continuum

91-Pa-231

Cross Section -80.87 To 53.04 %



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Incident Energy (eV)

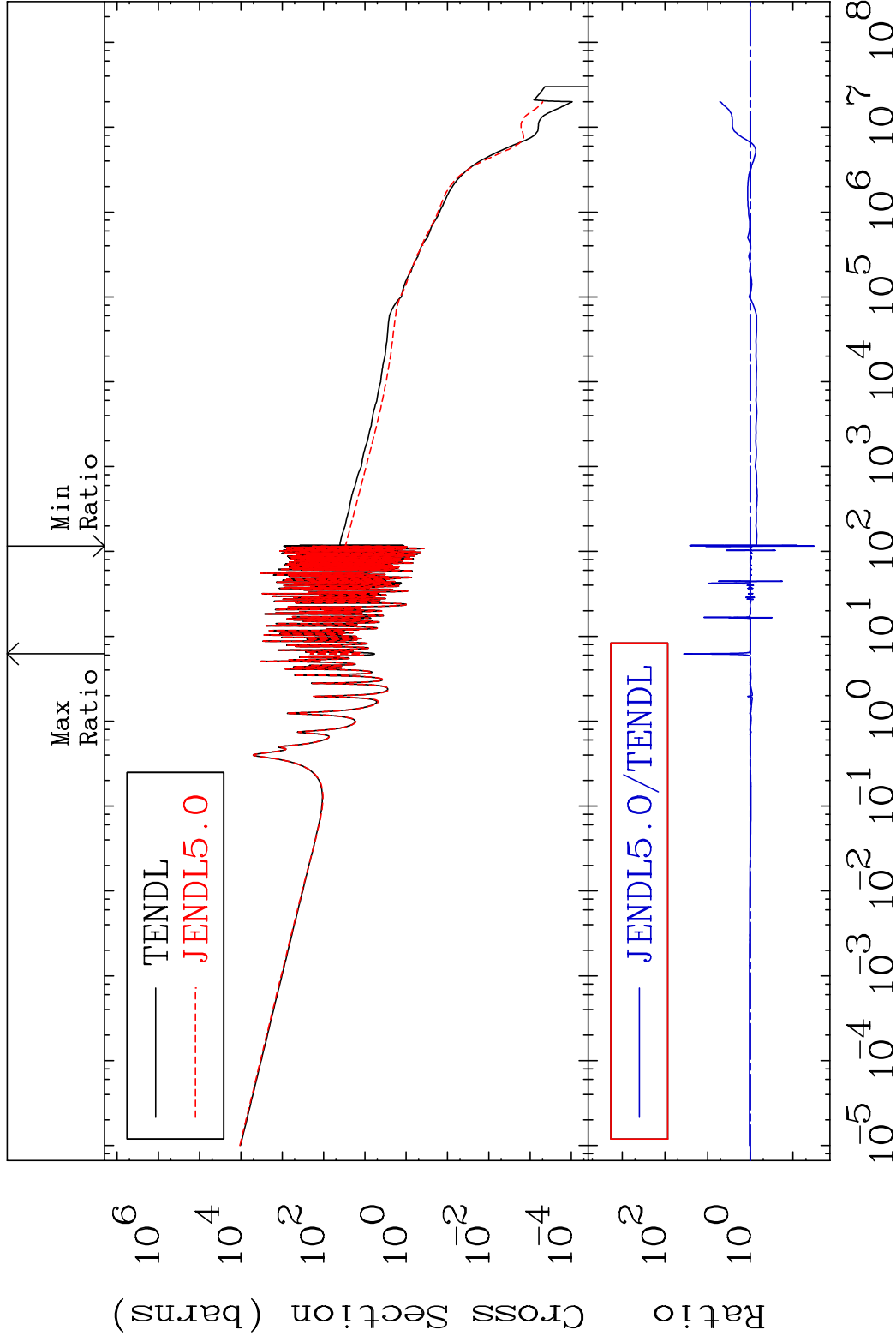
91-Pa-231

MAT 9131

(n, γ)

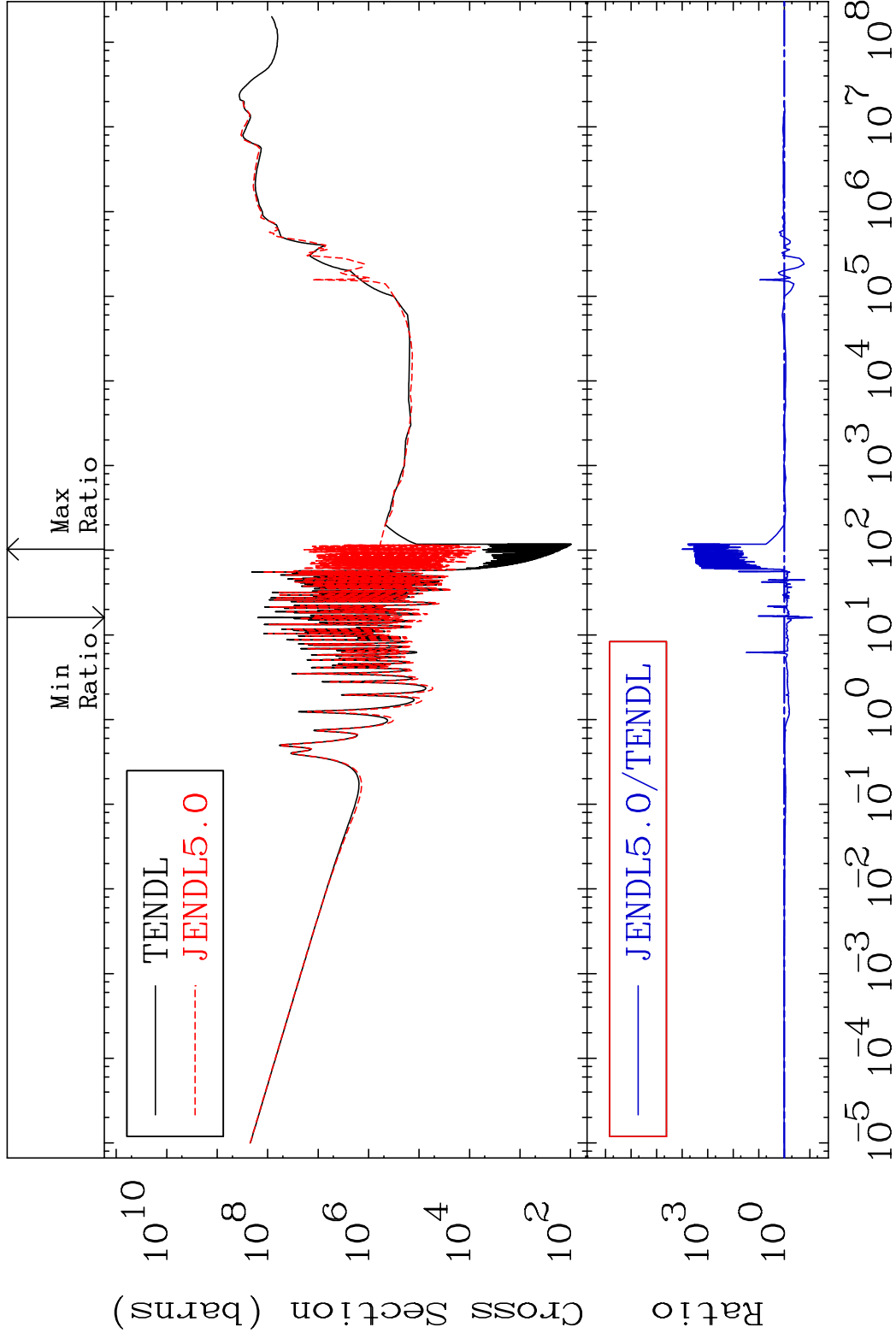
91-Pa-231

Cross Section -96.80 To 3532. %



MAT 9131

Kerma total (eV-barns) 91-Pa-231
Cross Section -92.21 To 9999. %



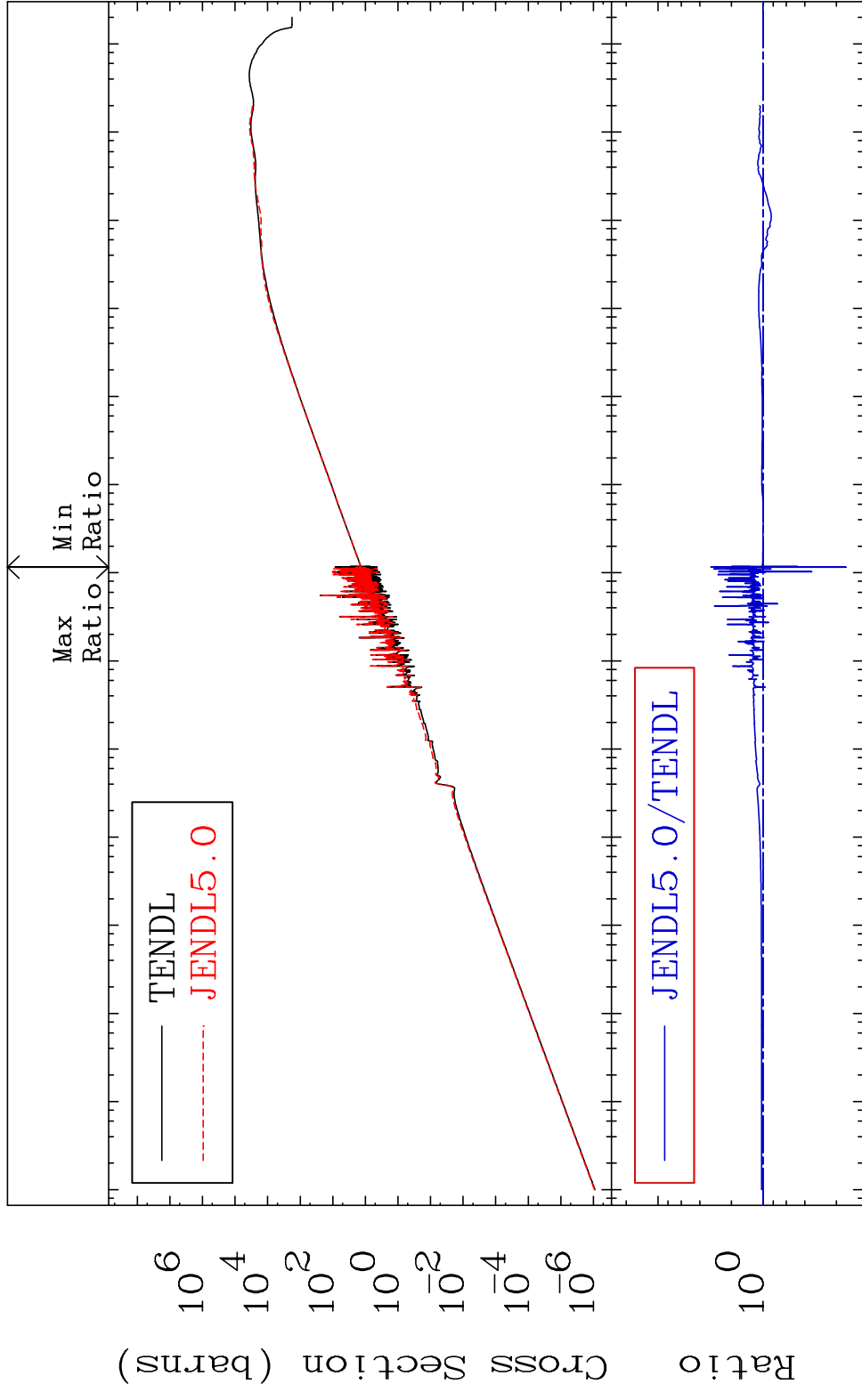
39

Incident Energy (eV) 91-Pa-231

MAT 9131

Kerma elastic
Cross Section -83.92 To 214.3 %

91-Pa-231

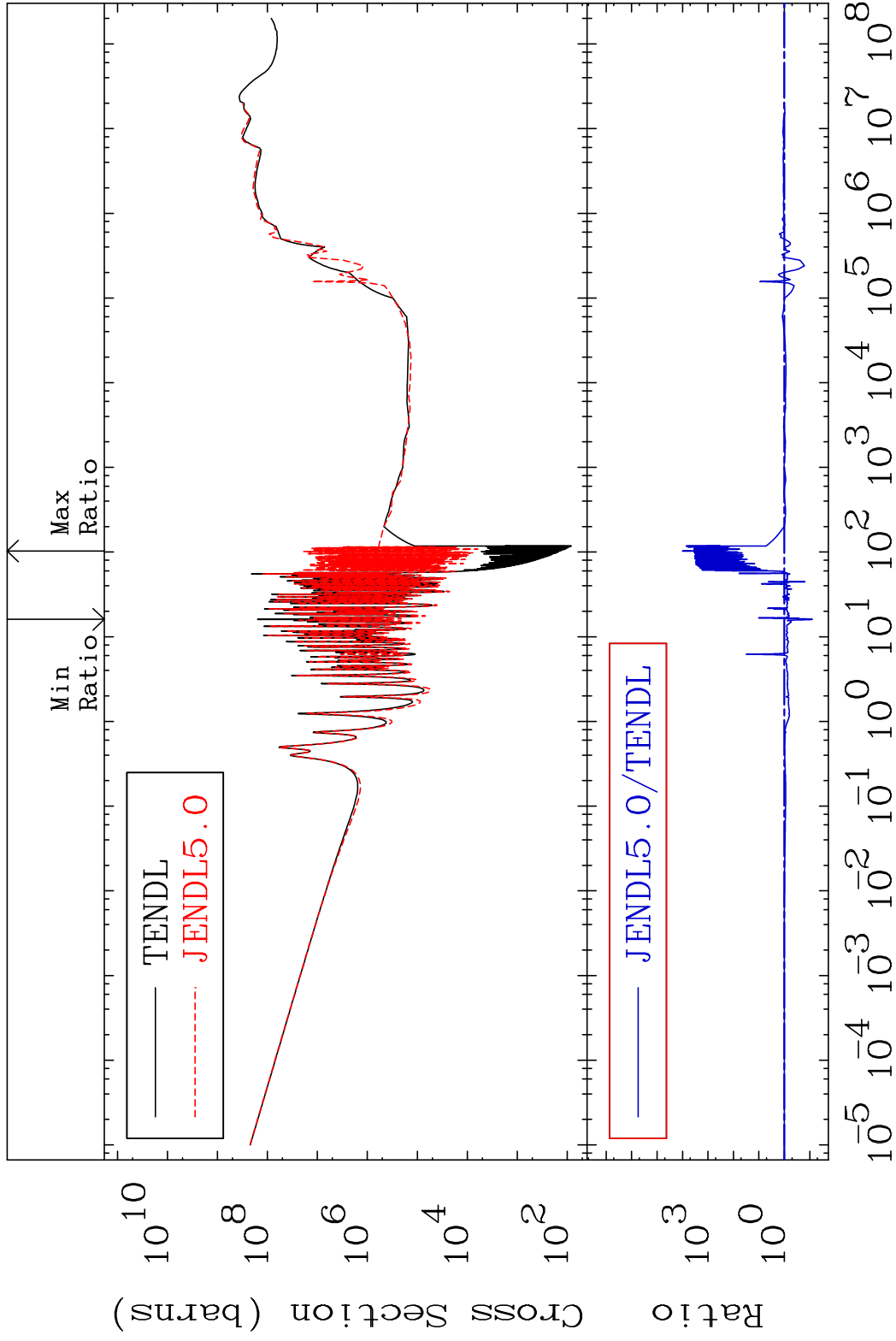


40

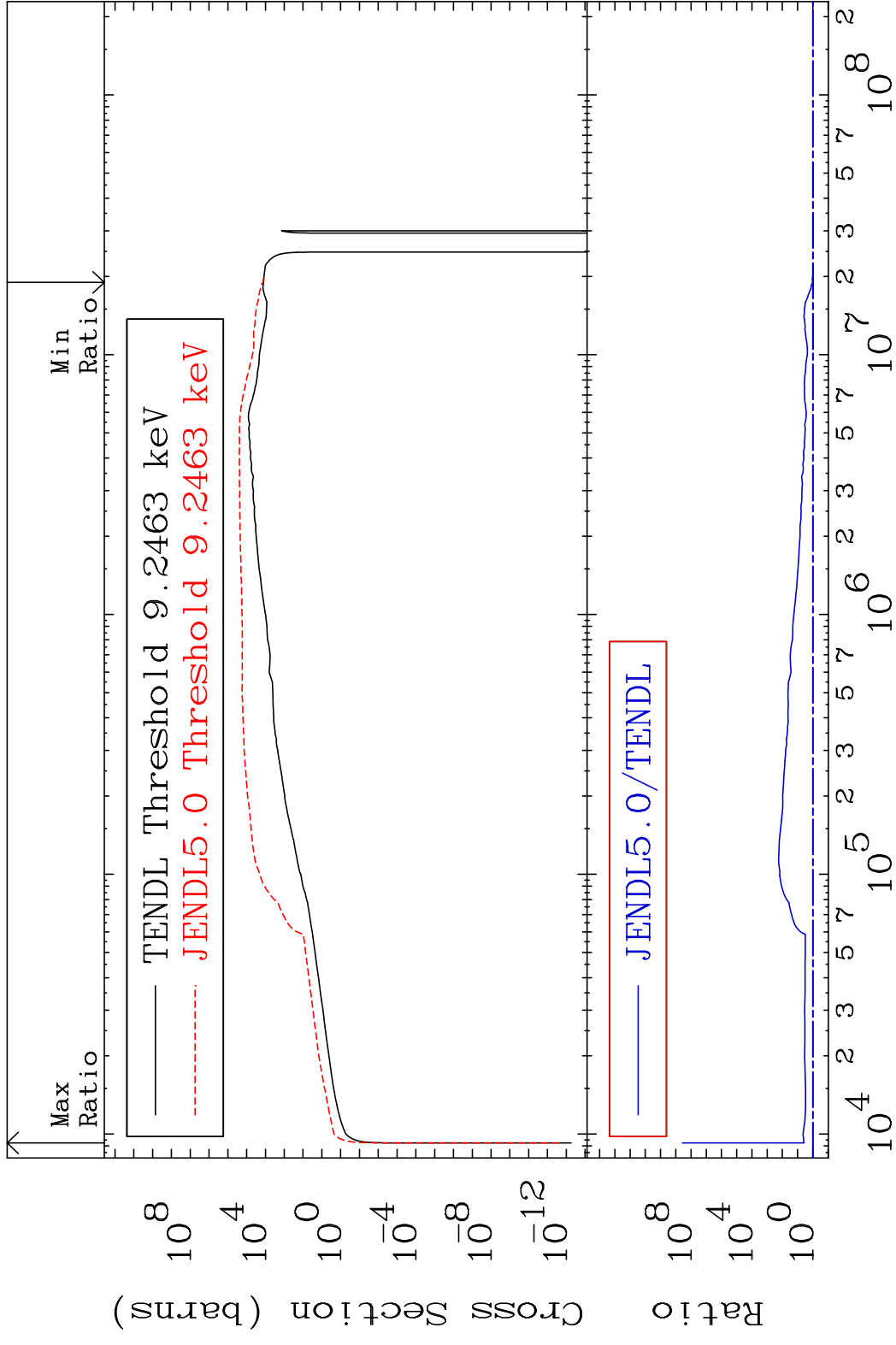
Incident Energy (eV)

91-Pa-231

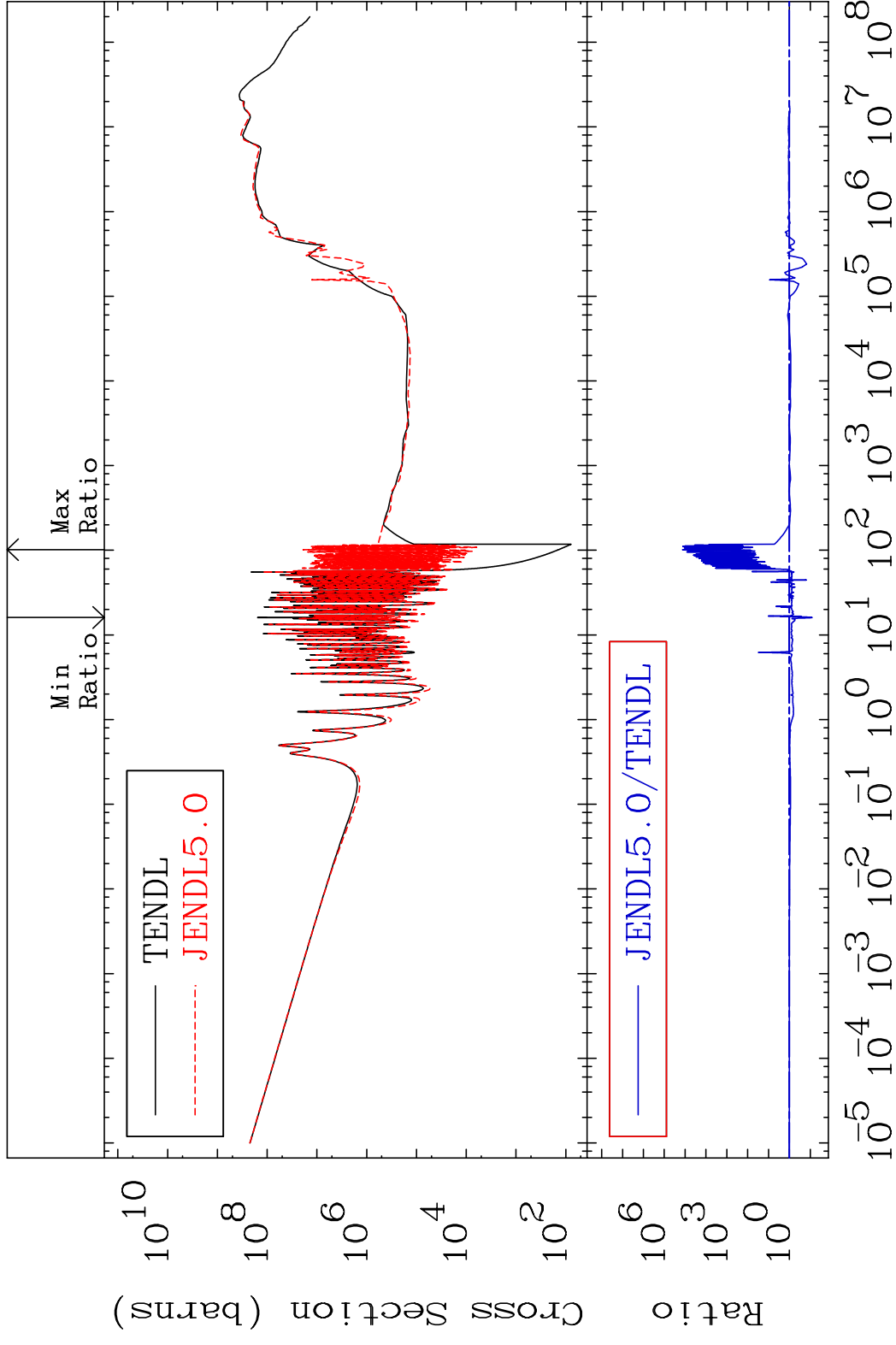
MAT 9131 Kerma non-elastic (all but mt2) 91-Pa-231
Cross Section -92.21 To 9999. %



MAT 9131 Kerma inelastic (mt51-91) 91-Pa-231
 Cross Section 4.176 To 9999. %

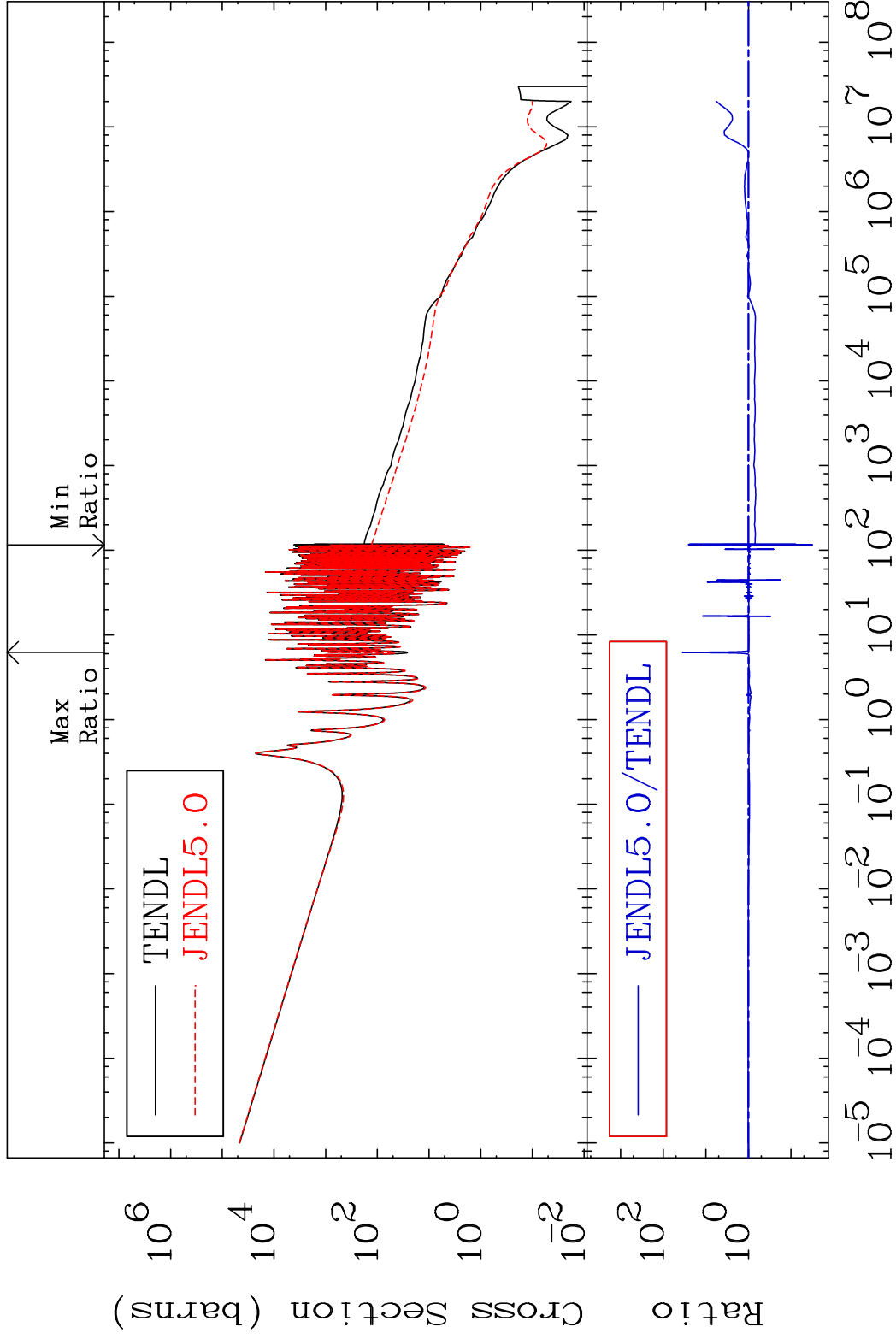


MAT 9131 Kerma fission (mt18 or mt19-20-21-38) 91-Pa-231
 Cross Section -92.21 To 9999. %



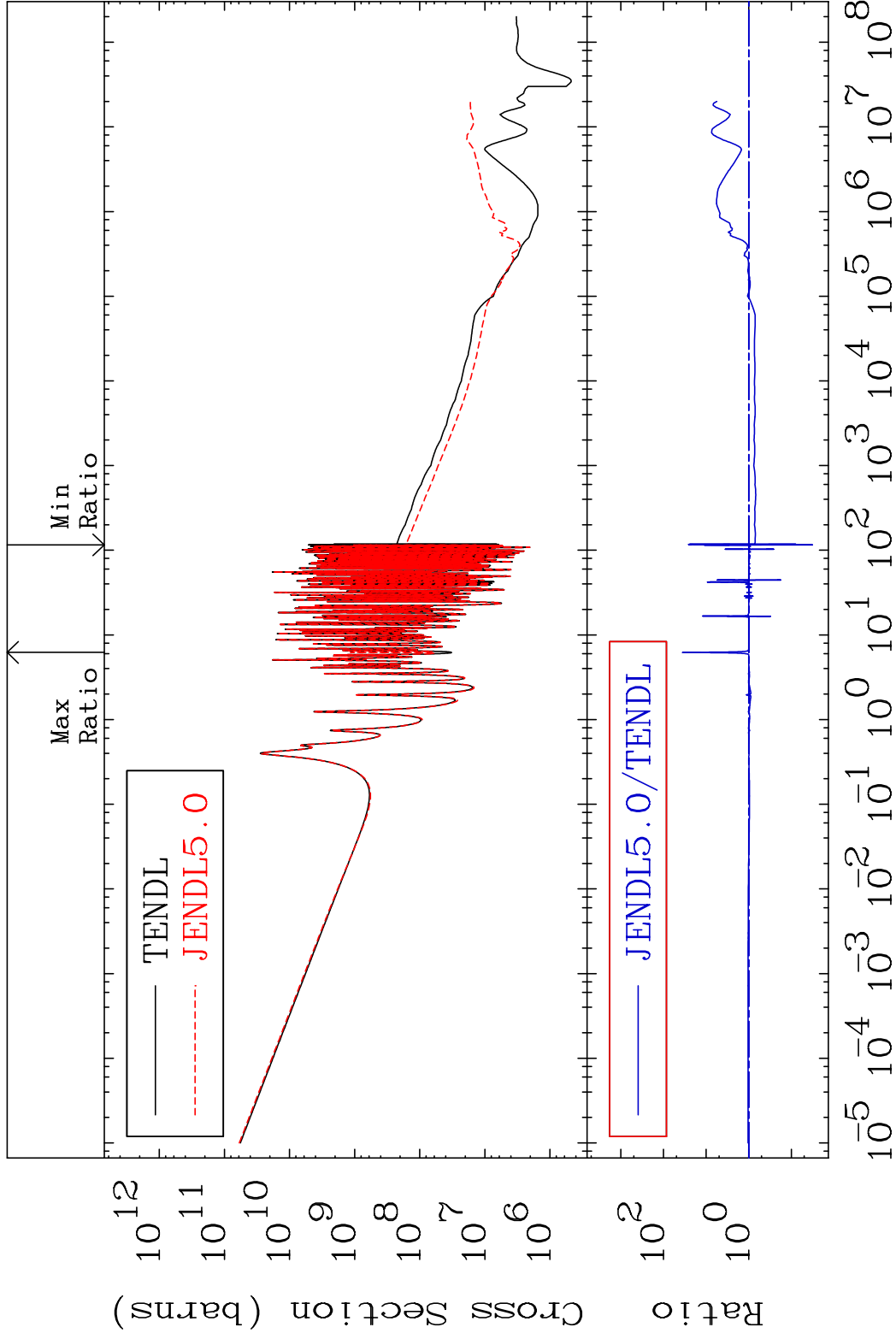
MAT 9131

Kerma capture (mt102) 91-Pa-231
Cross Section -96.87 To 3447. %



MAT 9131

Total photon (eV-barns) 91-Pa-231
Cross Section -96.81 To 3520. %

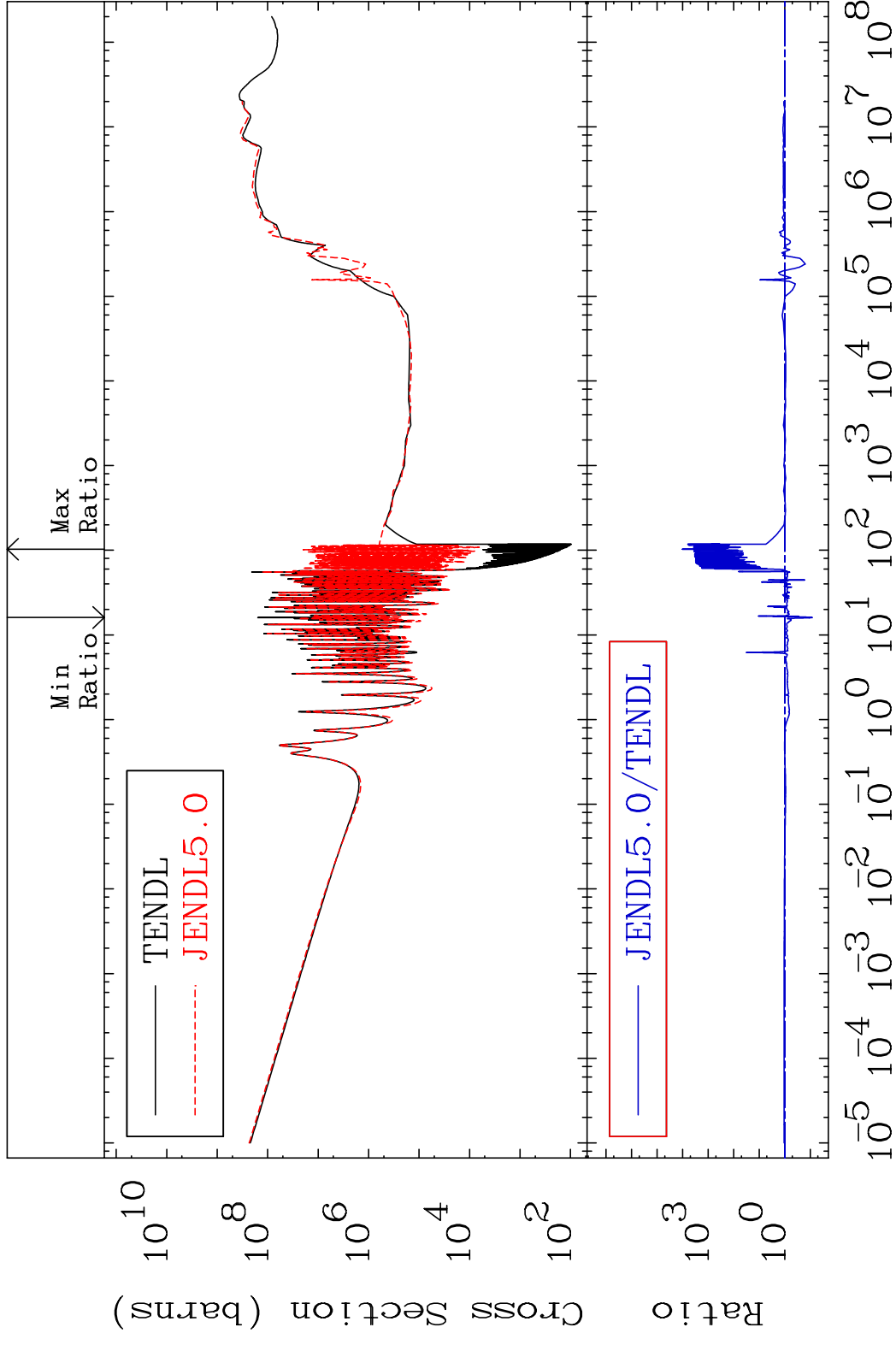


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Incident Energy (eV)

91-Pa-231

MAT 9131 Total kinematic kerma (high limit) 91-Pa-231
Cross Section -91.87 To 9999. %

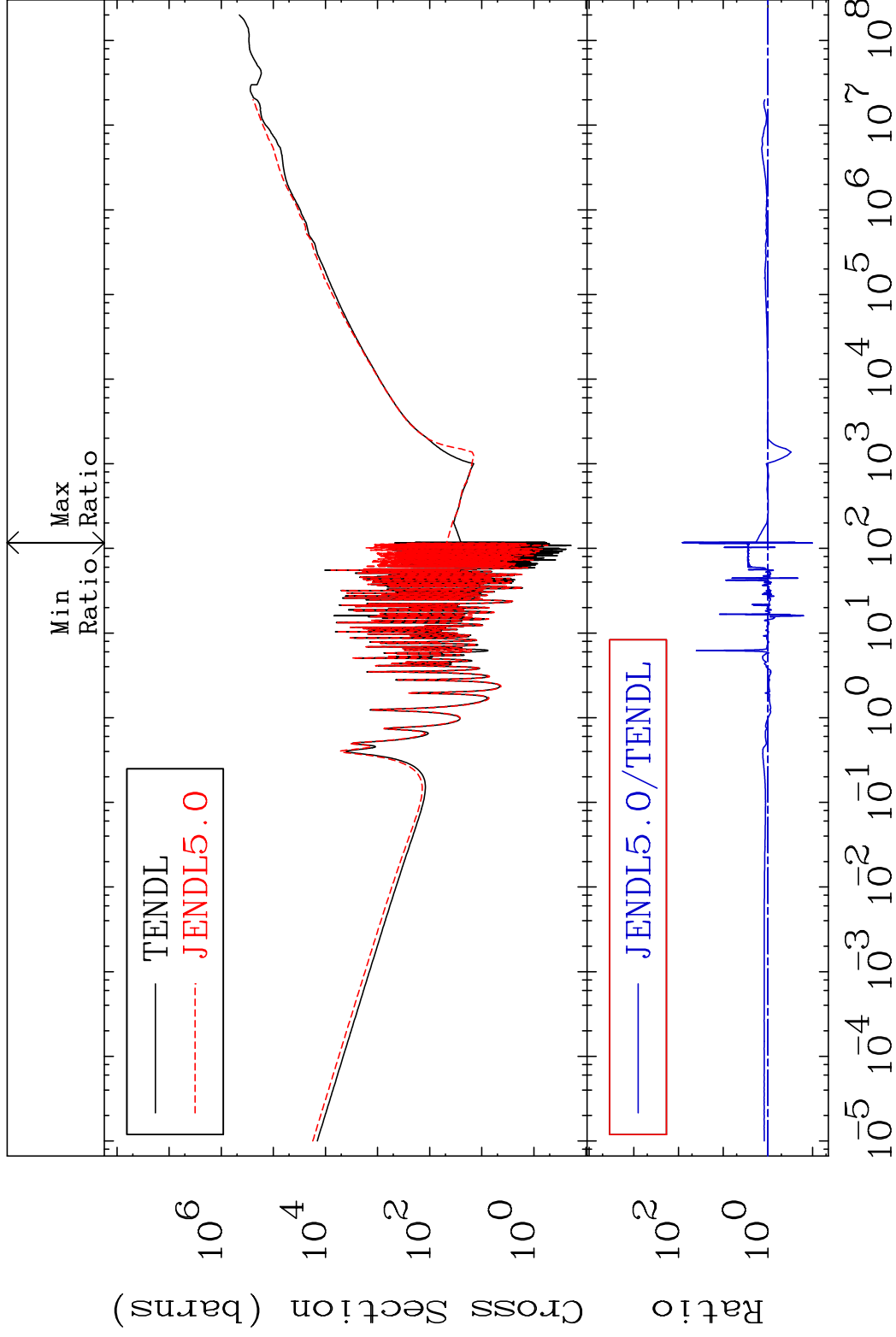


MAT 9131

Dpa total (eV-barns)

91-Pa-231

Cross Section -89.93 To 8127. %



47

Incident Energy (eV)

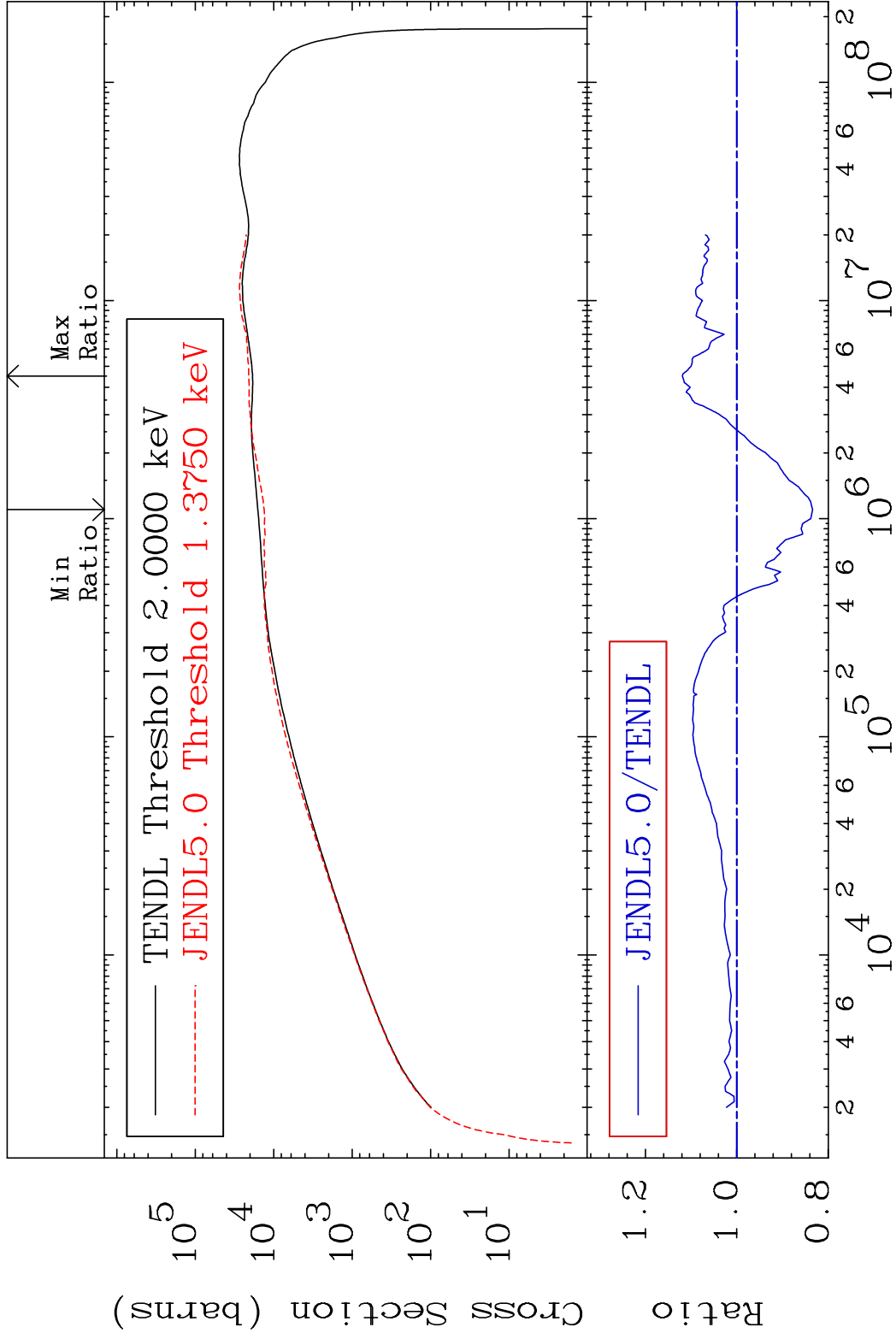
91-Pa-231

MAT 9131

Dpa elastic (mt2)

91-Pa-231

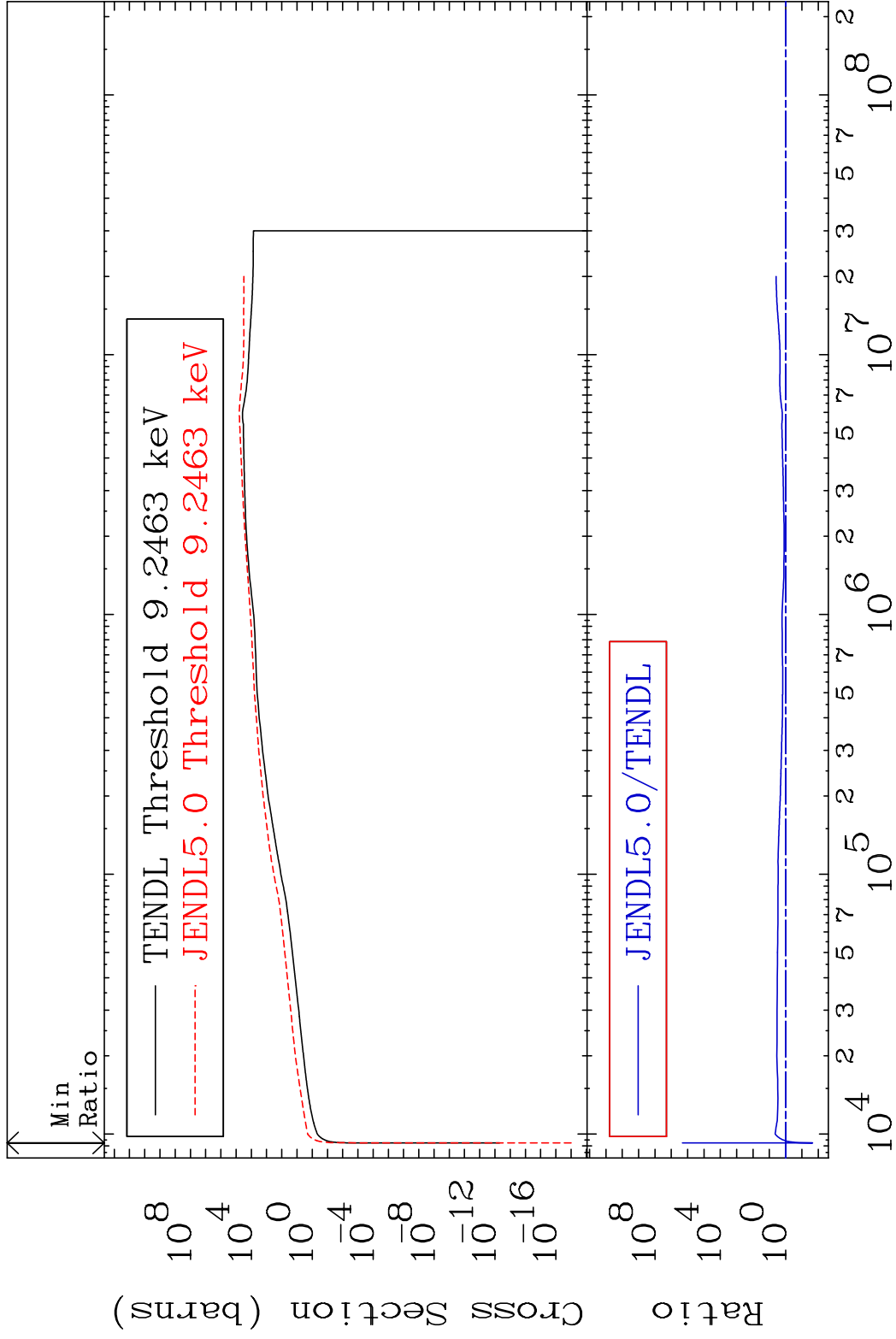
Cross Section -16.61 To 11.92 %



MAT 9131

Dpa inelastic (mt51-91) 91-Pa-231

Cross Section -97.75 To 9999. %



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Incident Energy (eV)

91-Pa-231

MAT 9131 Dpa disappearance (mt102 -120) 91-Pa-231
 Cross Section -100.0 To 5346. %

