

Program Complot
(Version 2021-1)

by

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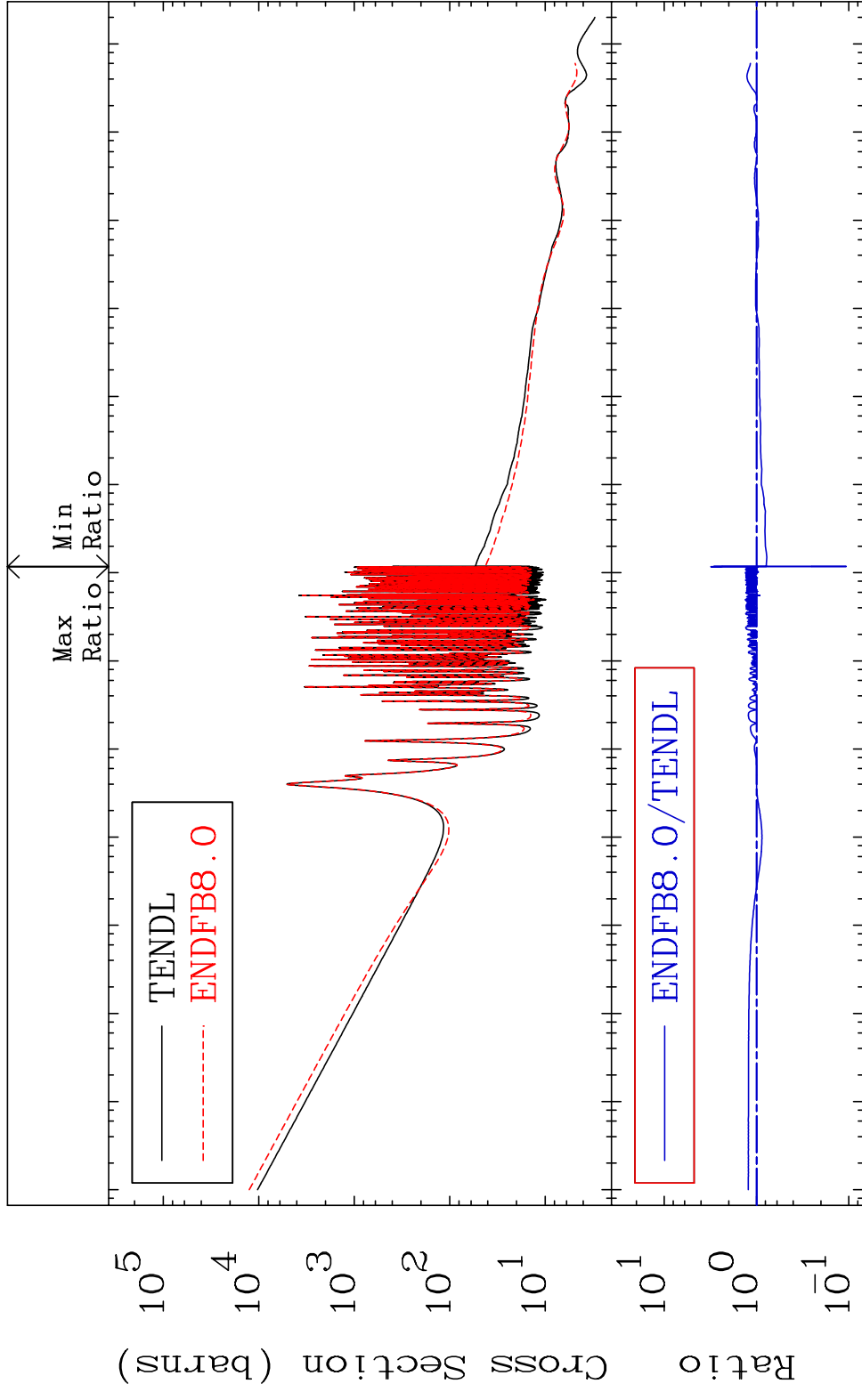
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9131

Total Cross Section -89.36 To 213.2 %

91-Pa-231



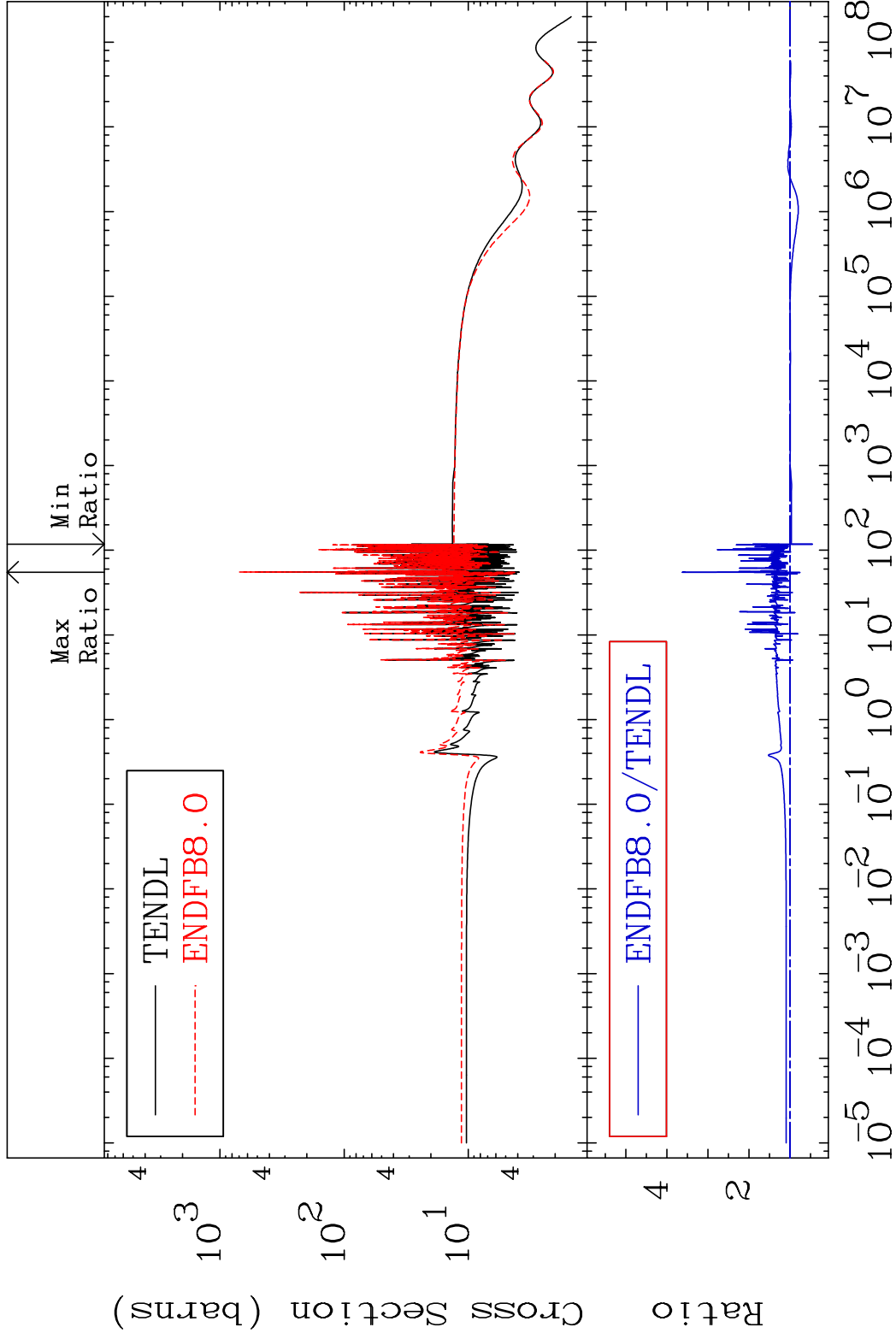
1 Incident Energy (eV) 91-Pa-231

MAT 9131

Elastic

91-Pa-231

Cross Section -54.60 To 262.3 %



2

Incident Energy (eV)

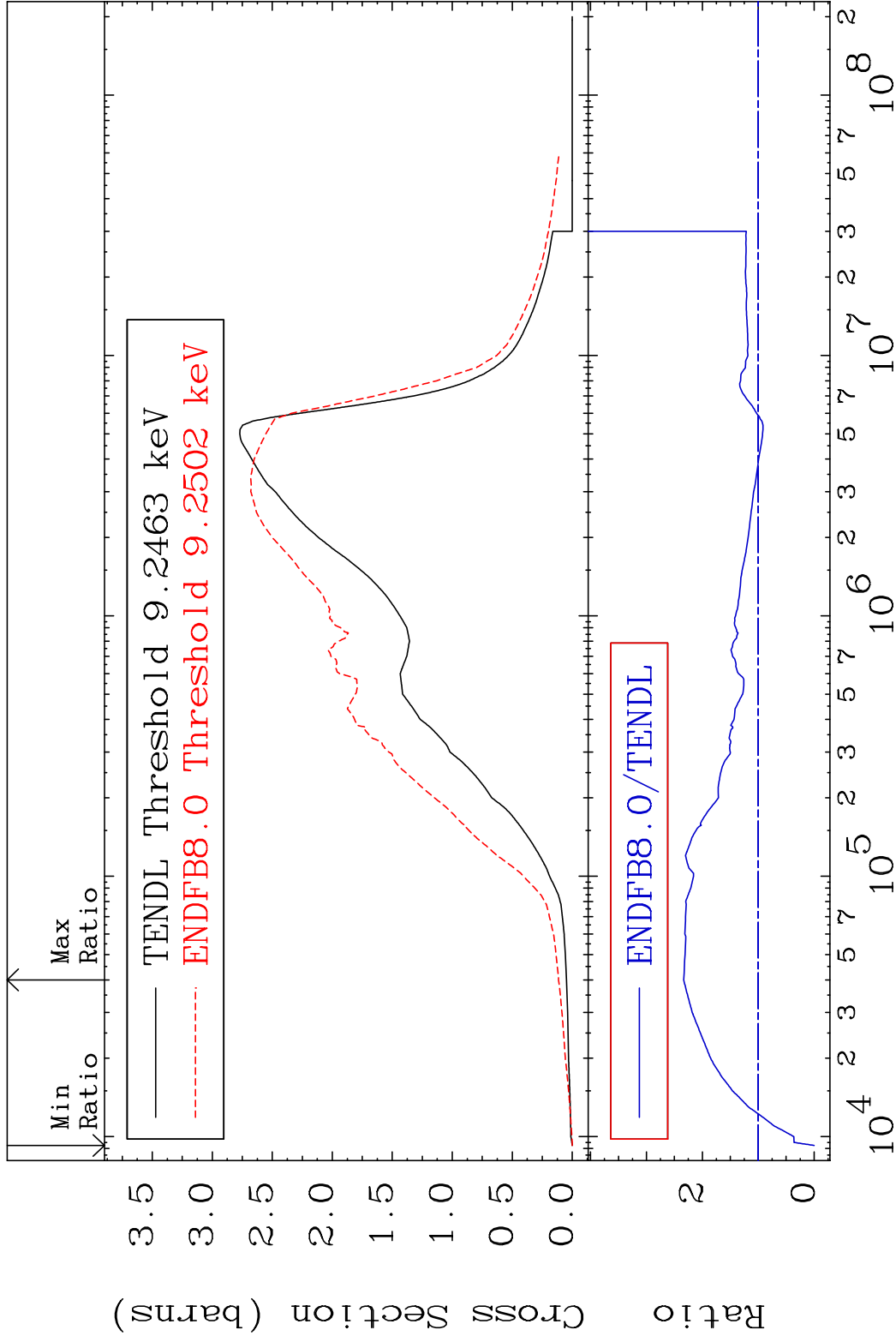
91-Pa-231

MAT 9131

Inelastic

91-Pa-231

Cross Section -100.0 To 133.4 %



3

Incident Energy (eV)

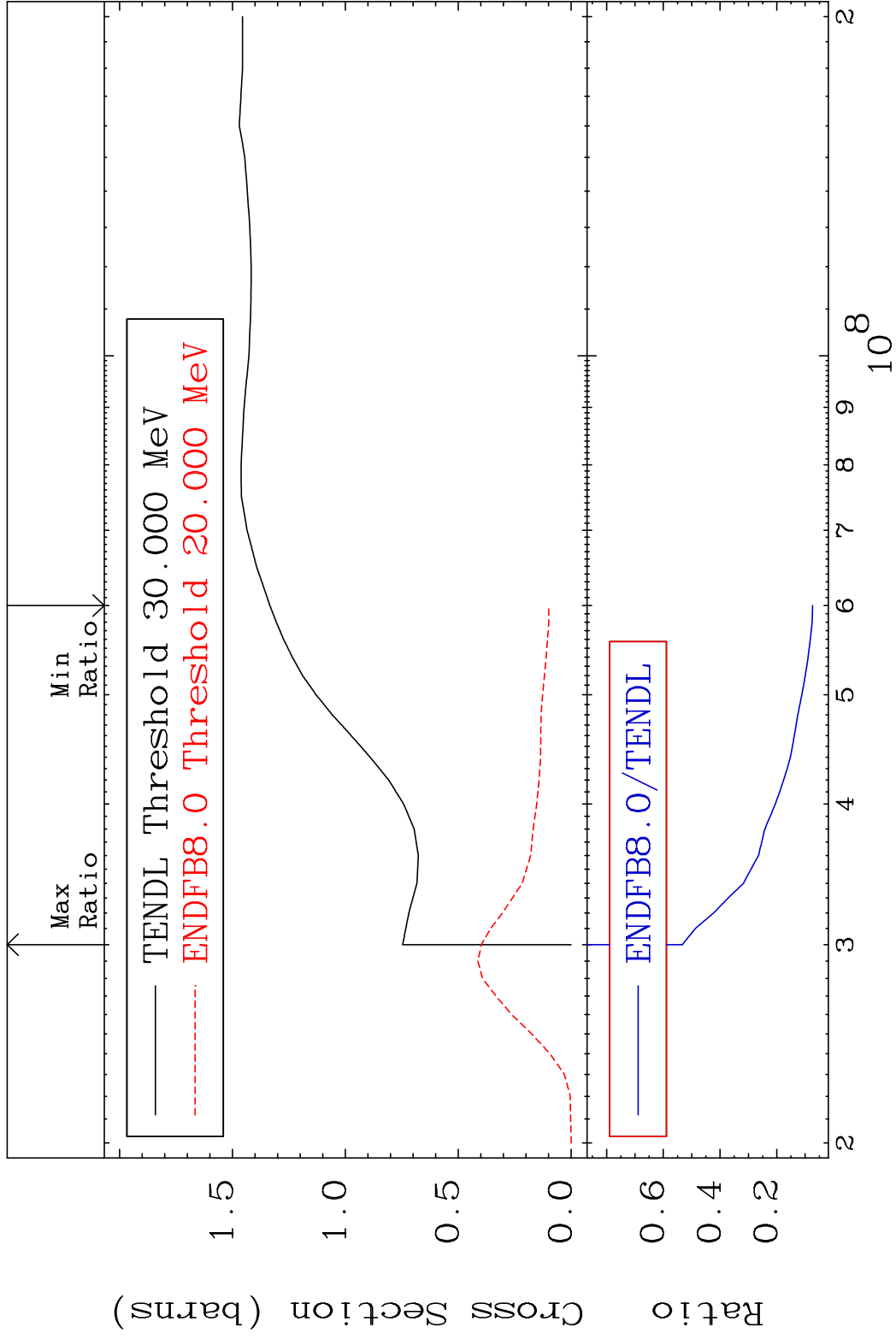
91-Pa-231

MAT 9131

(n, remainder)

91-Pa-231

Cross Section -92.60 To -46.70%



4

Incident Energy (eV)

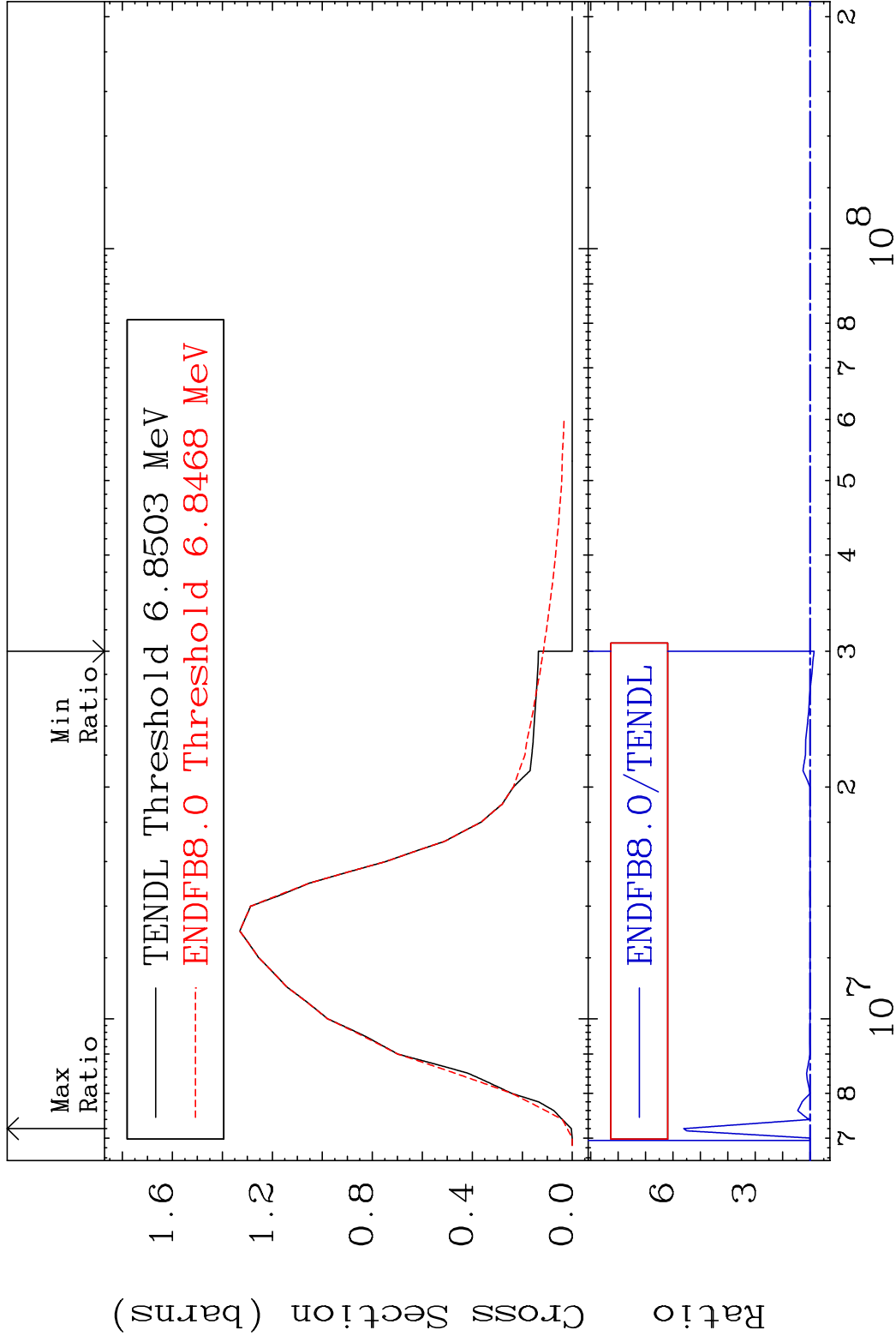
91-Pa-231

MAT 9131

(n,2n)

91-Pa-231

Cross Section -14.71 To 460.9 %



5

Incident Energy (eV)

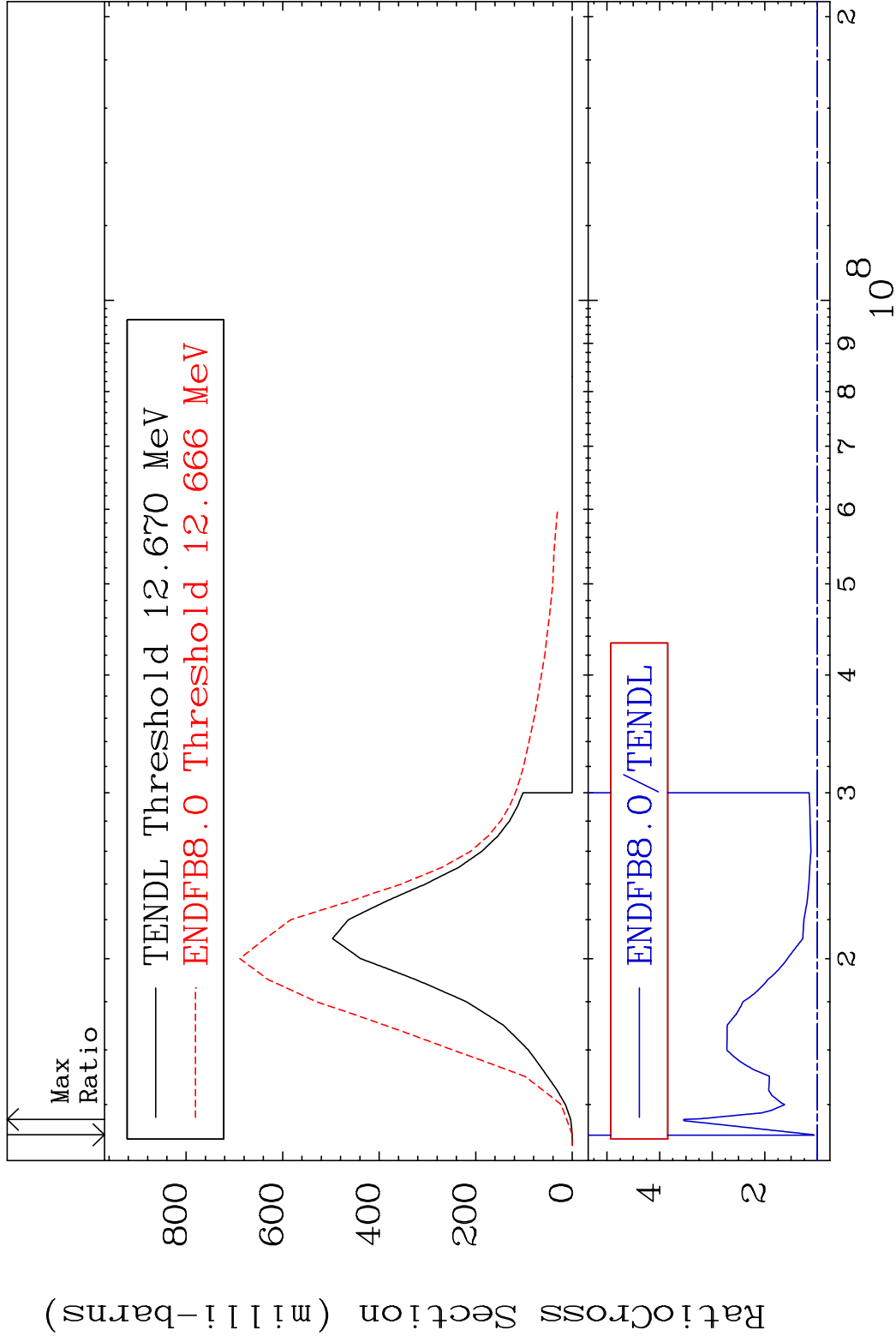
91-Pa-231

MAT 9131

(n,3n)

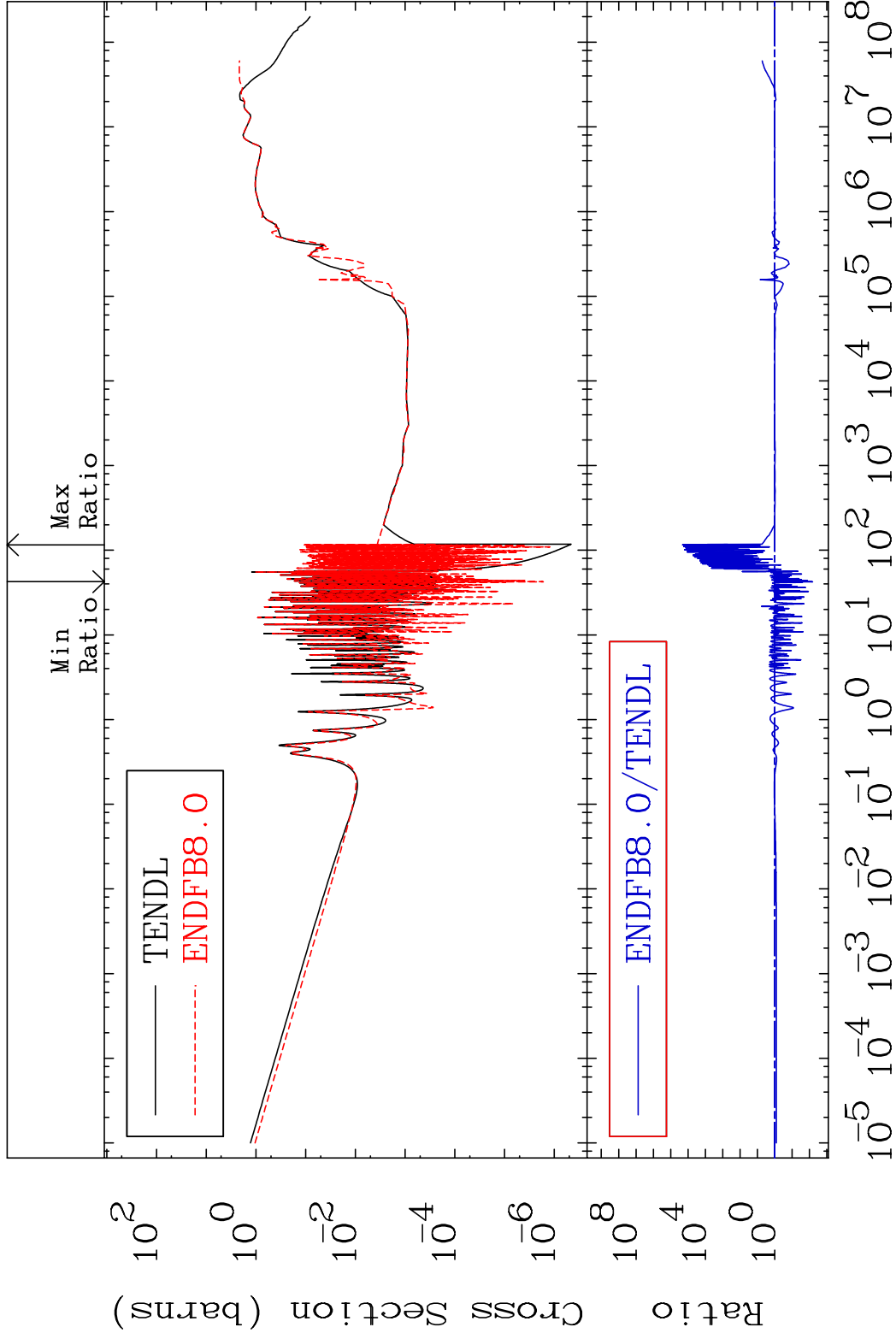
91-Pa-231

Cross Section 6.350 To 254.3 %



MAT 9131

Fission Cross Section -99.33 To 9999. %
91-Pa-231



7

Incident Energy (eV)

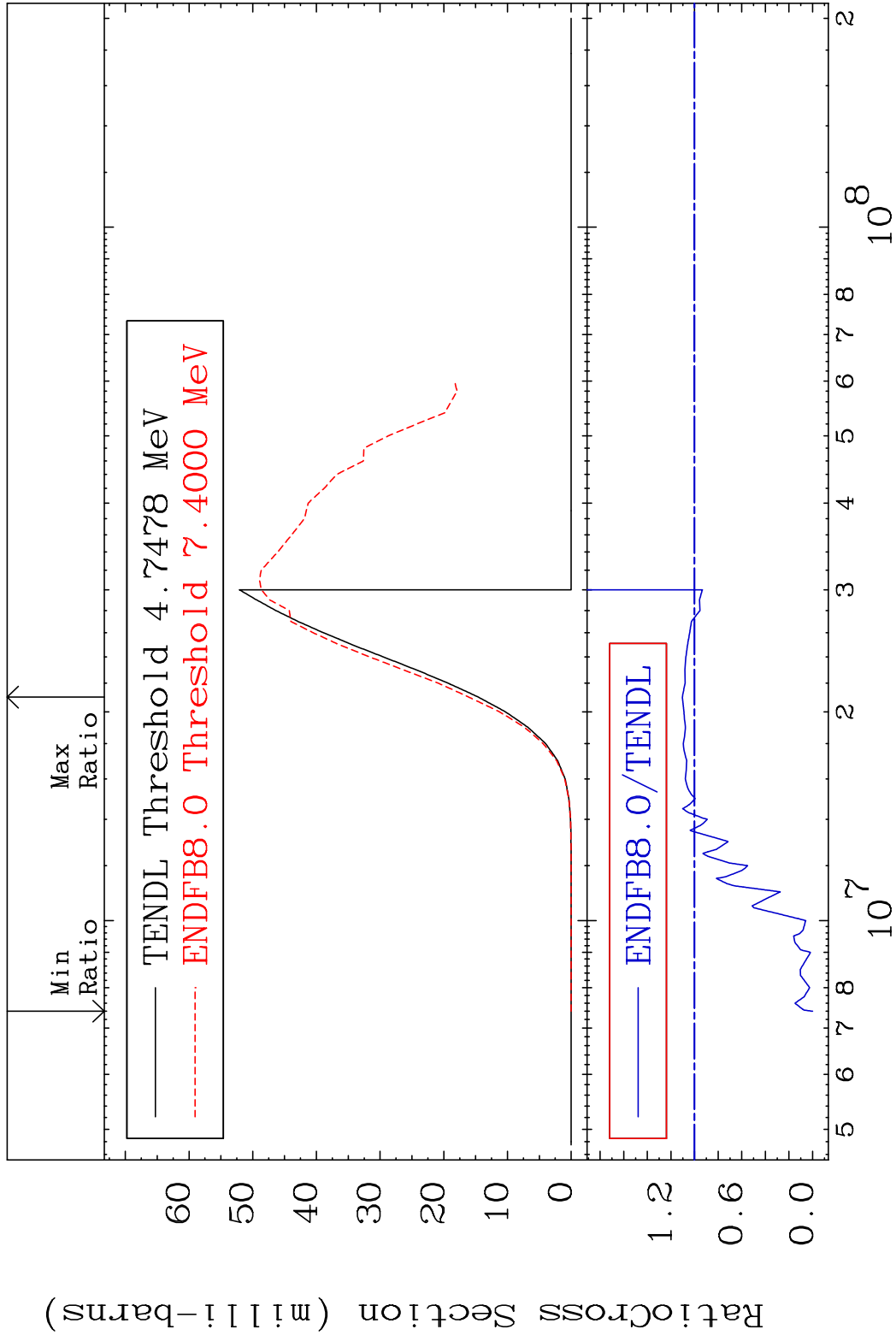
91-Pa-231

MAT 9131

(n, n') p

91-Pa-231

Cross Section -100.0 To 10.33 %



8

Incident Energy (eV)

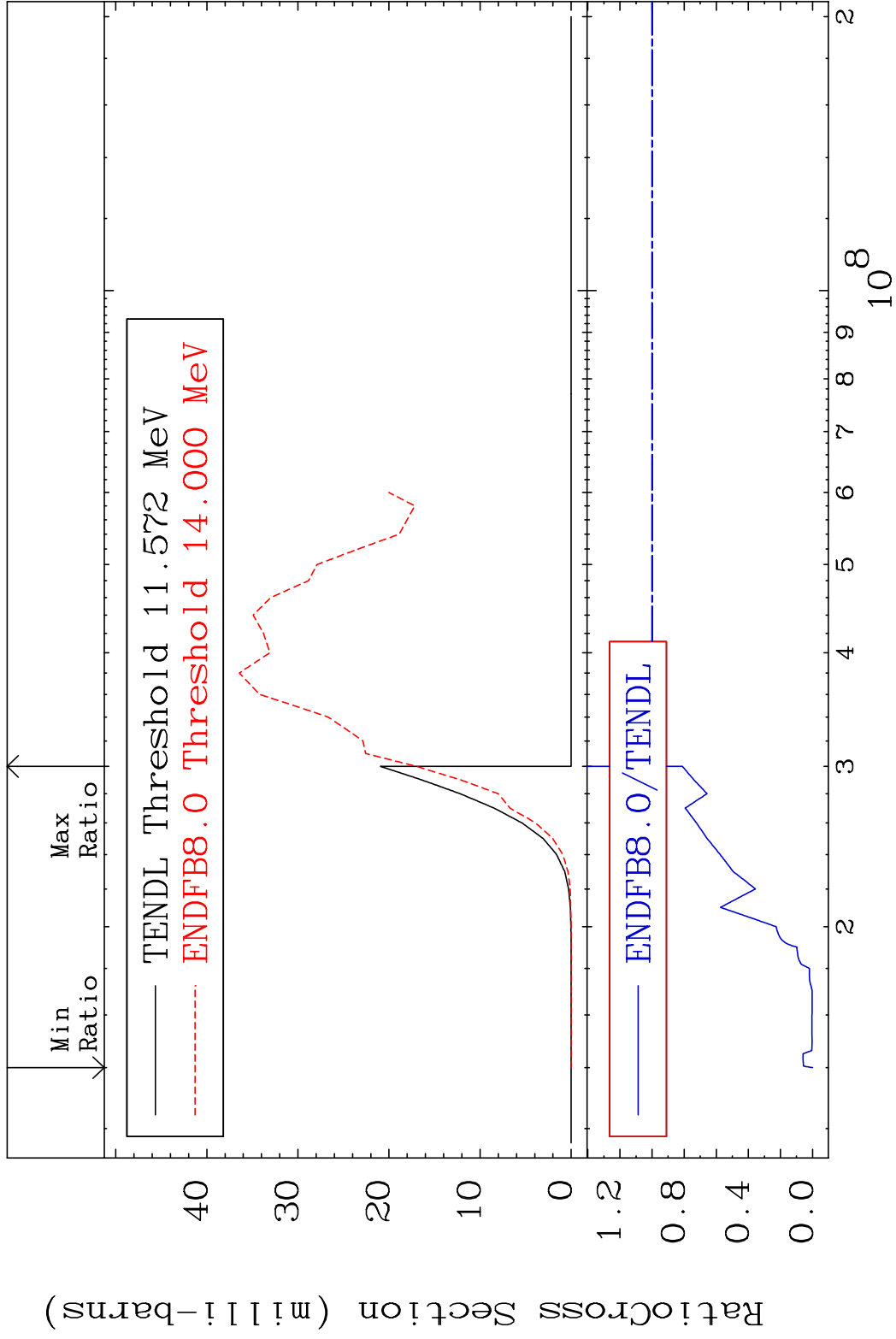
91-Pa-231

MAT 9131

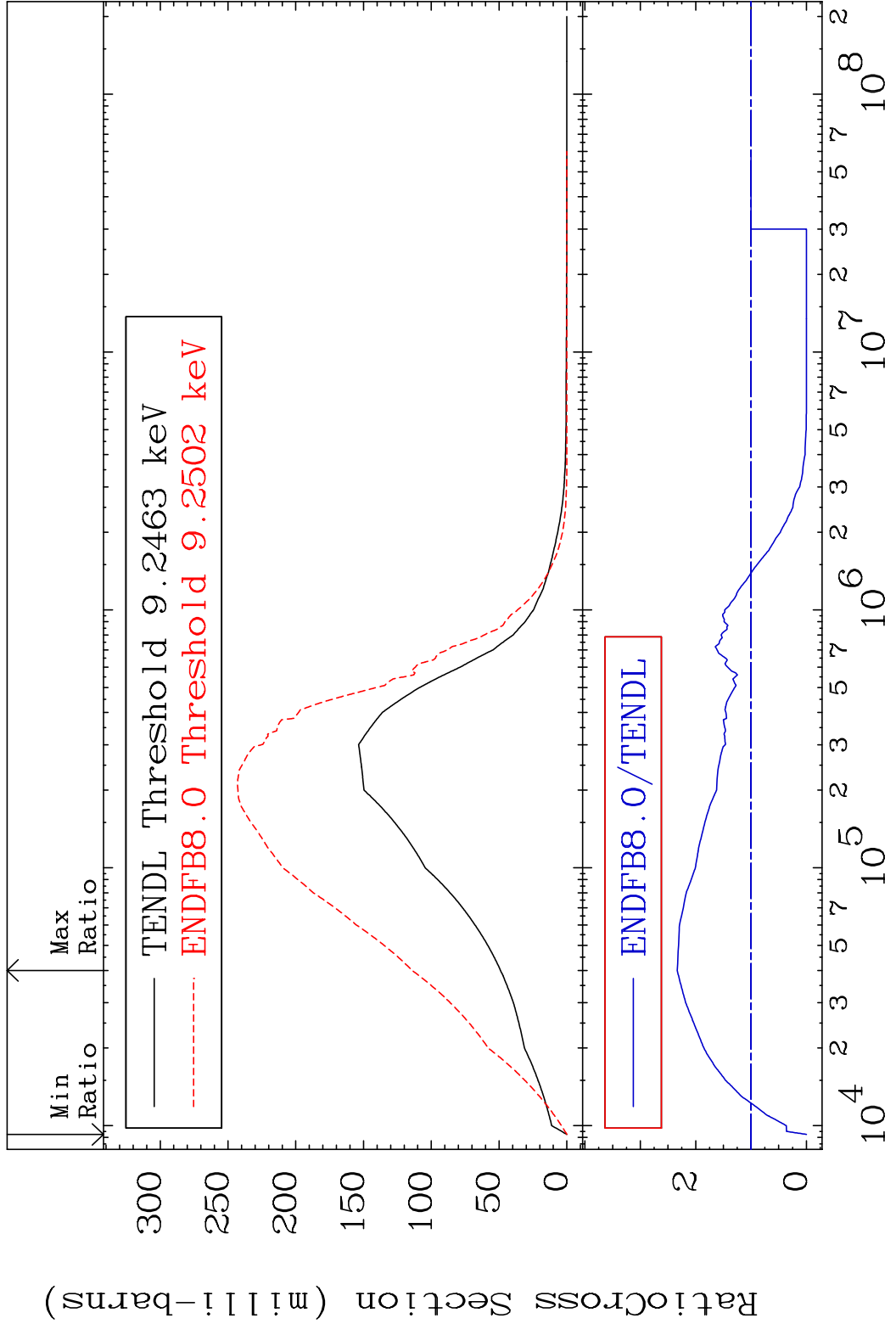
(n,2n) p

91-Pa-231

Cross Section -100.0 To -18.88%

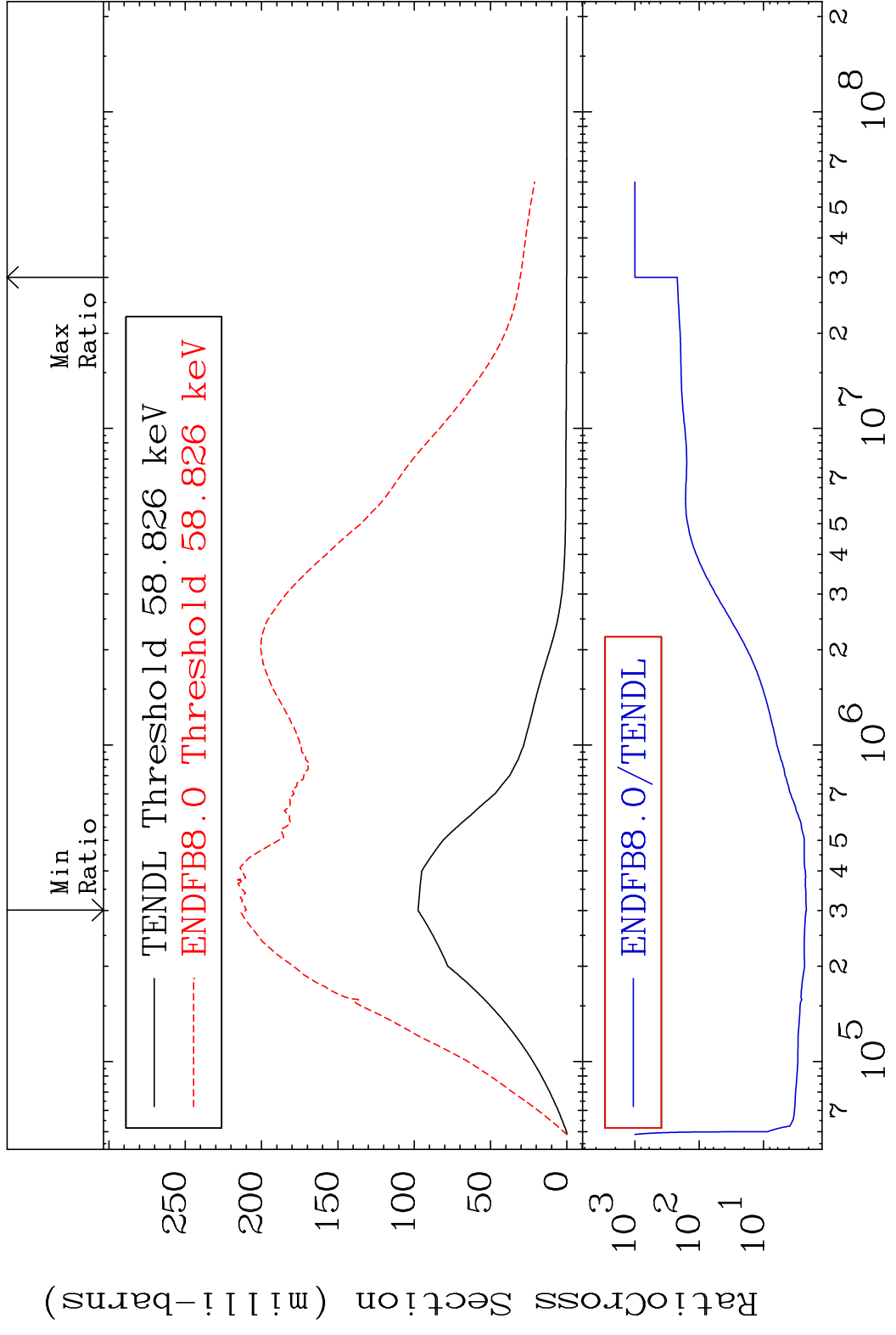


MAT 9131 MT= 51 (n,n') Level 91-Pa-231
 Cross Section -100.0 To 133.4 %

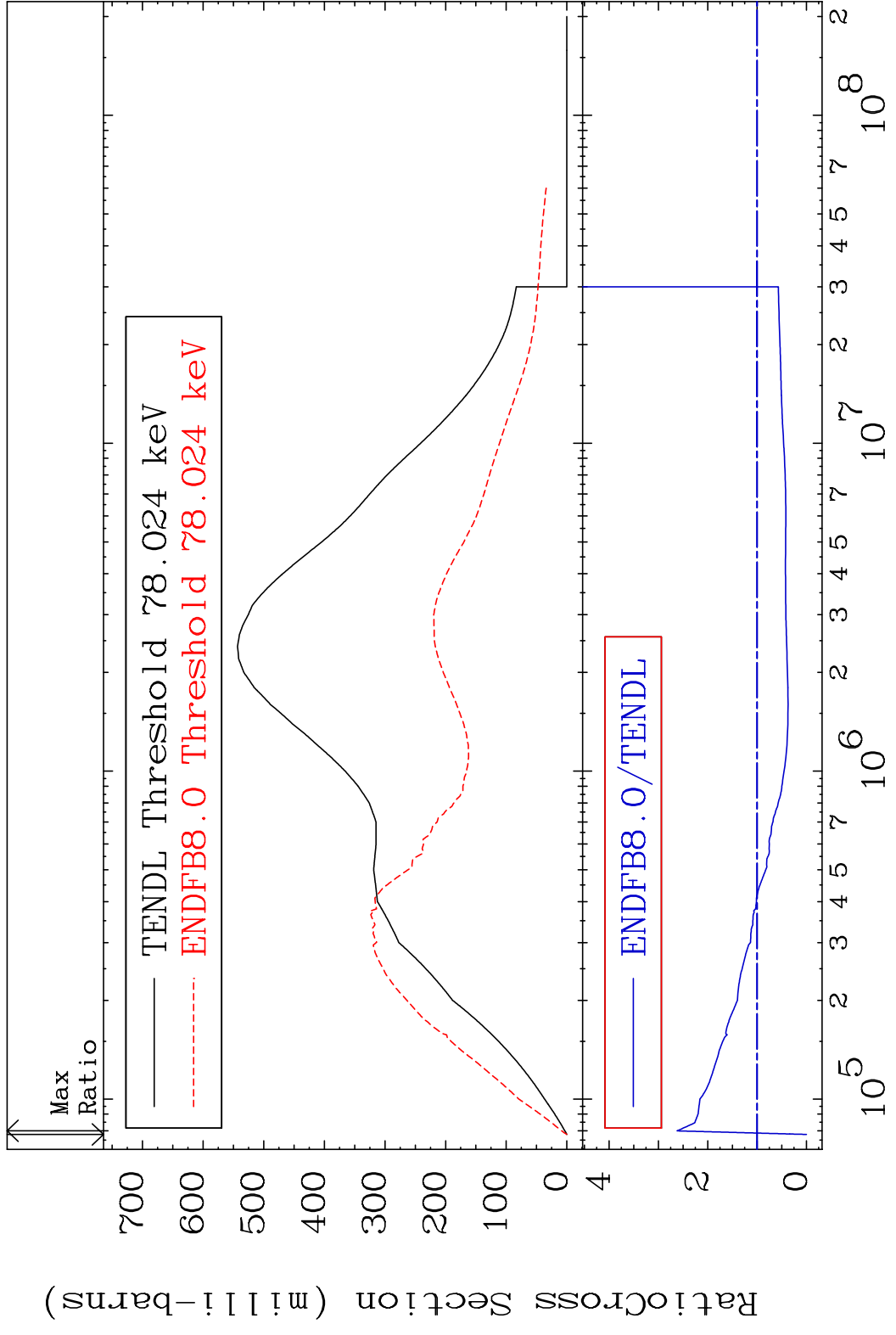


10 2 3 5 7 10⁴ 10⁵ 10⁶ 10⁷ 10⁸ 91-Pa-231

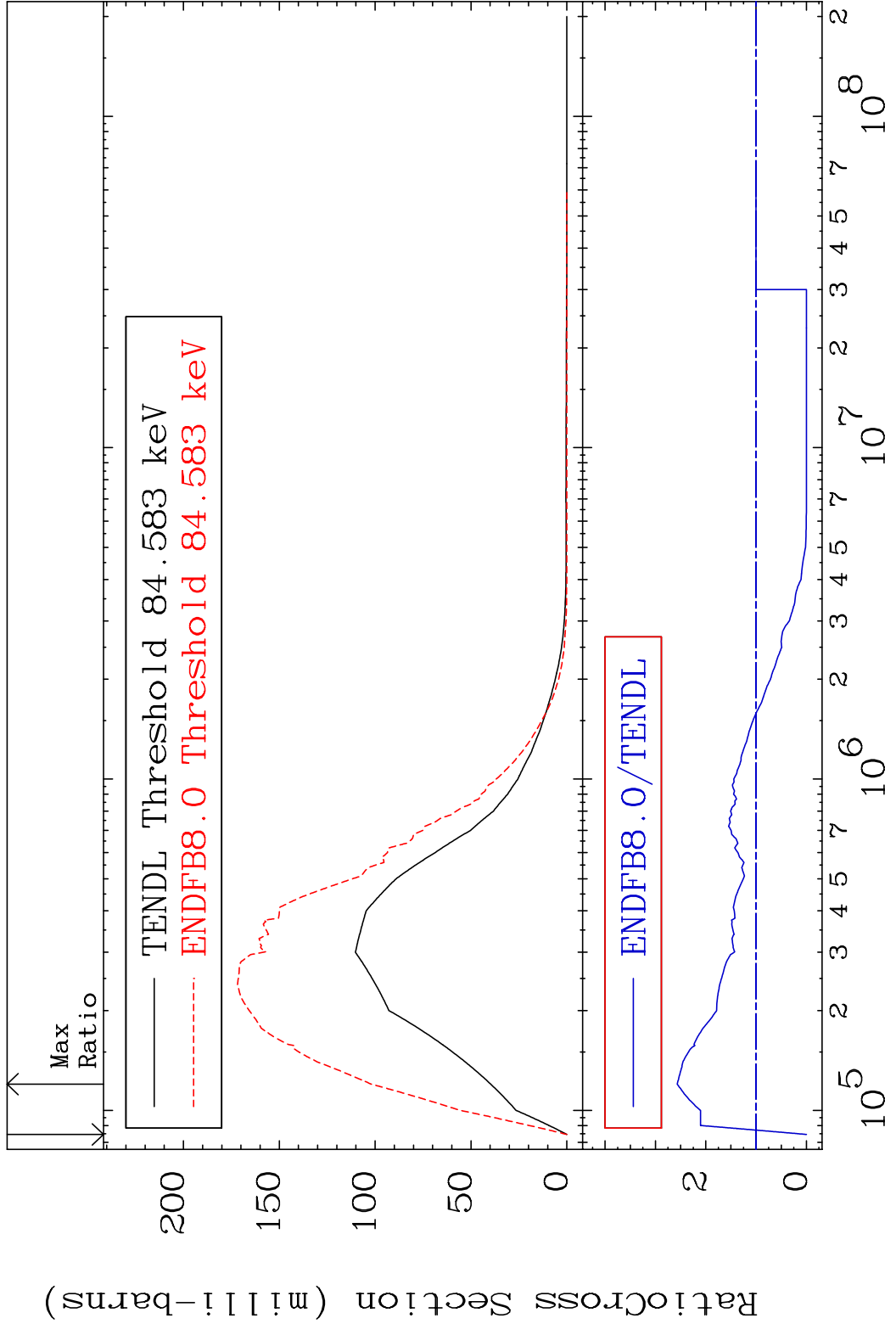
MAT 9131 MT= 52 (n,n') Level 91-Pa-231
 Cross Section 115.4 To 9999. %



MAT 9131 MT= 53 (n, n') Level 91-Pa-231
 Cross Section -100.0 To 161.8 %

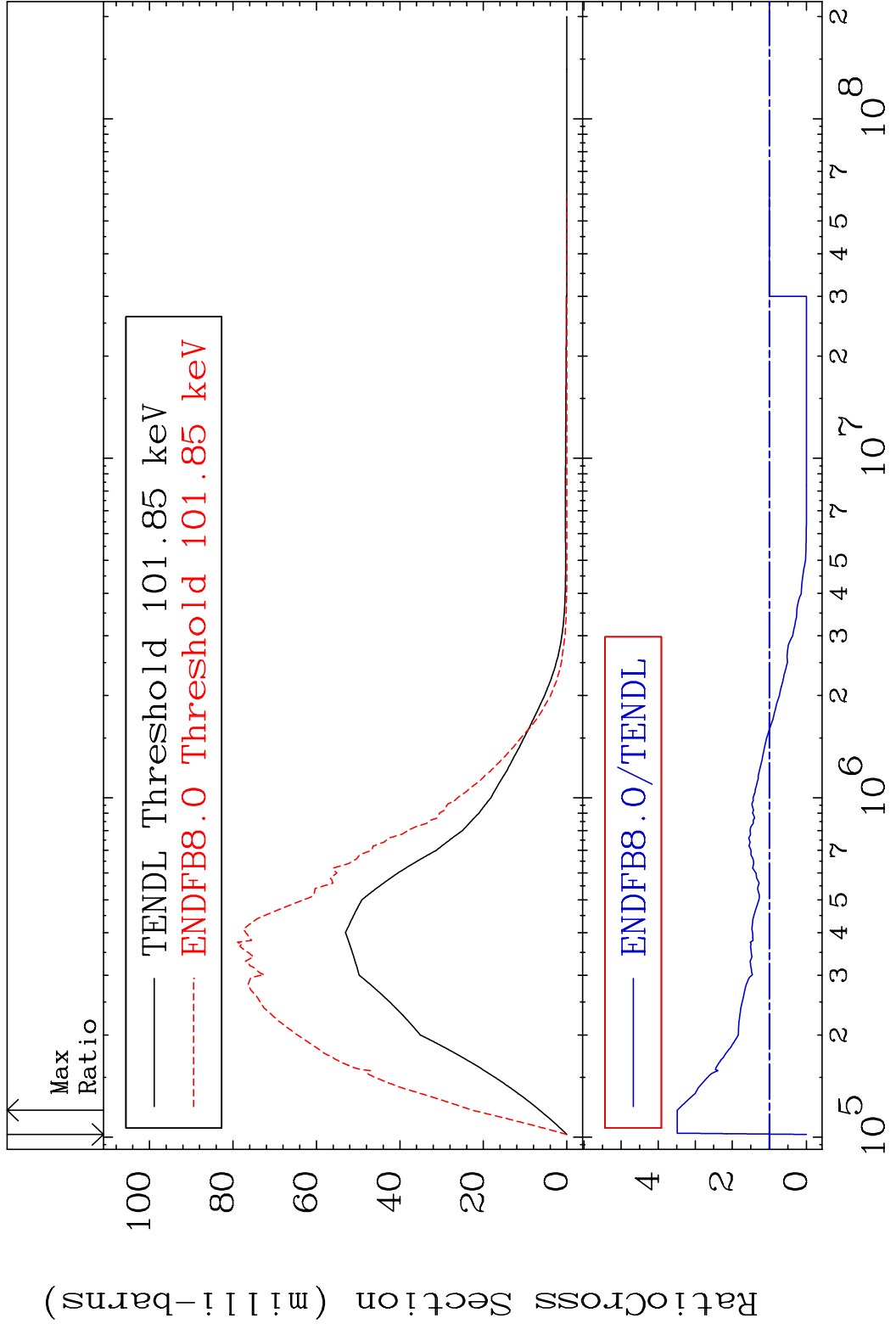


MAT 9131 MT= 54 (n, n') Level 91-Pa-231
 Cross Section -100.0 To 156.8 %



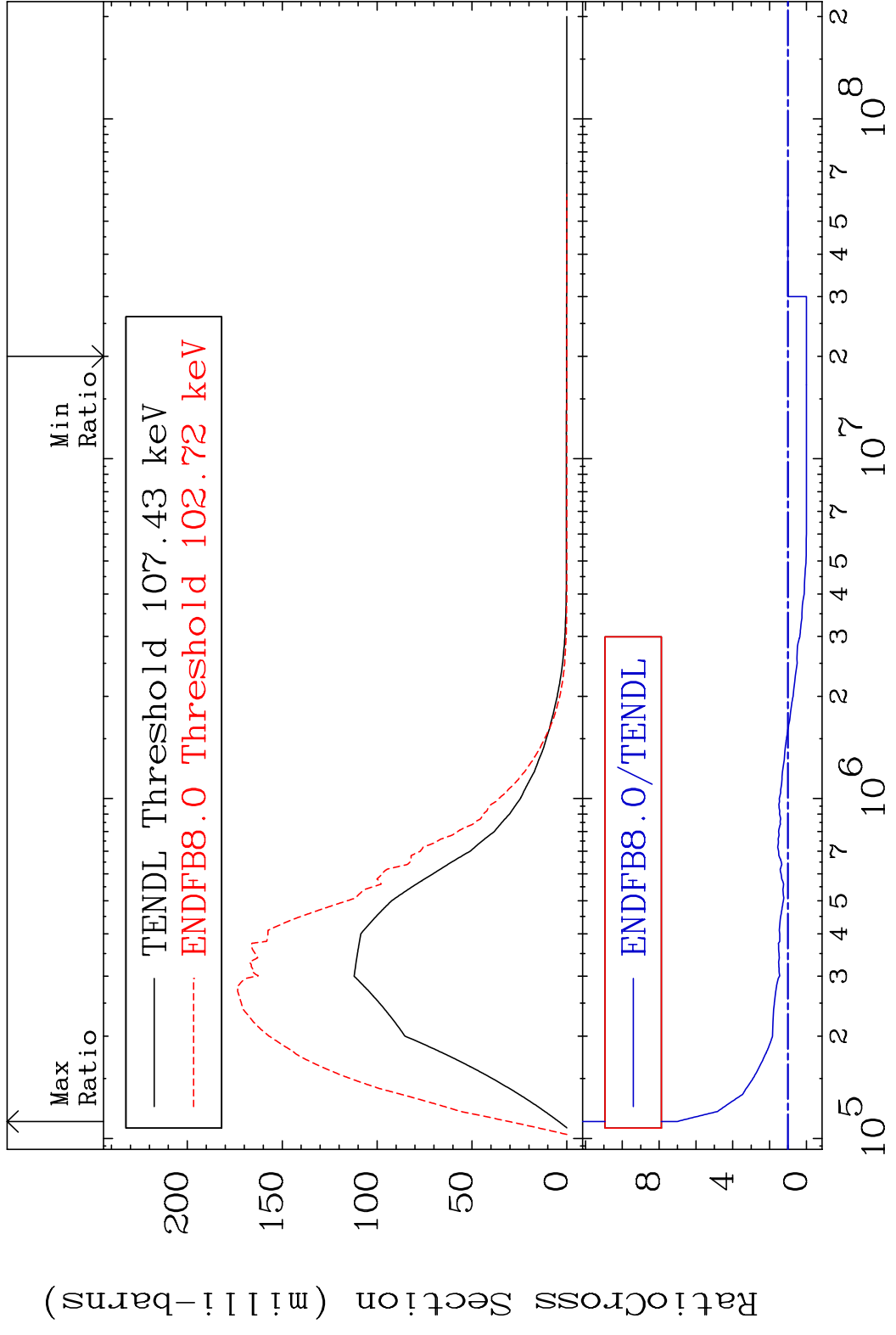
13 91-Pa-231

MAT 9131 MT= 55 (n,n') Level 91-Pa-231
 Cross Section -100.0 To 248.7 %



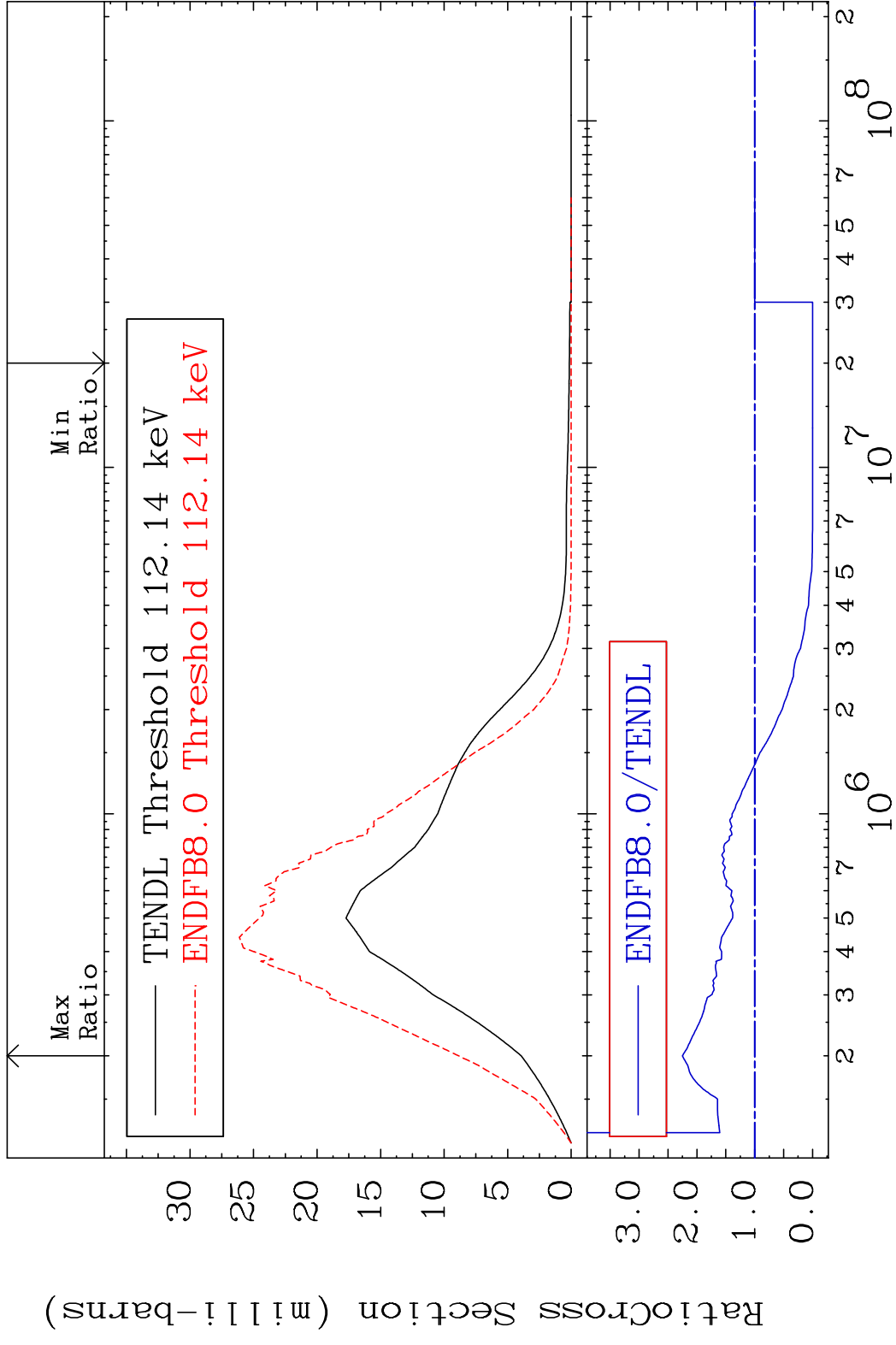
14 Incident Energy (eV) 91-Pa-231

MAT 9131 MT= 56 (n,n') Level 91-Pa-231
 Cross Section -100.0 To 601.8 %

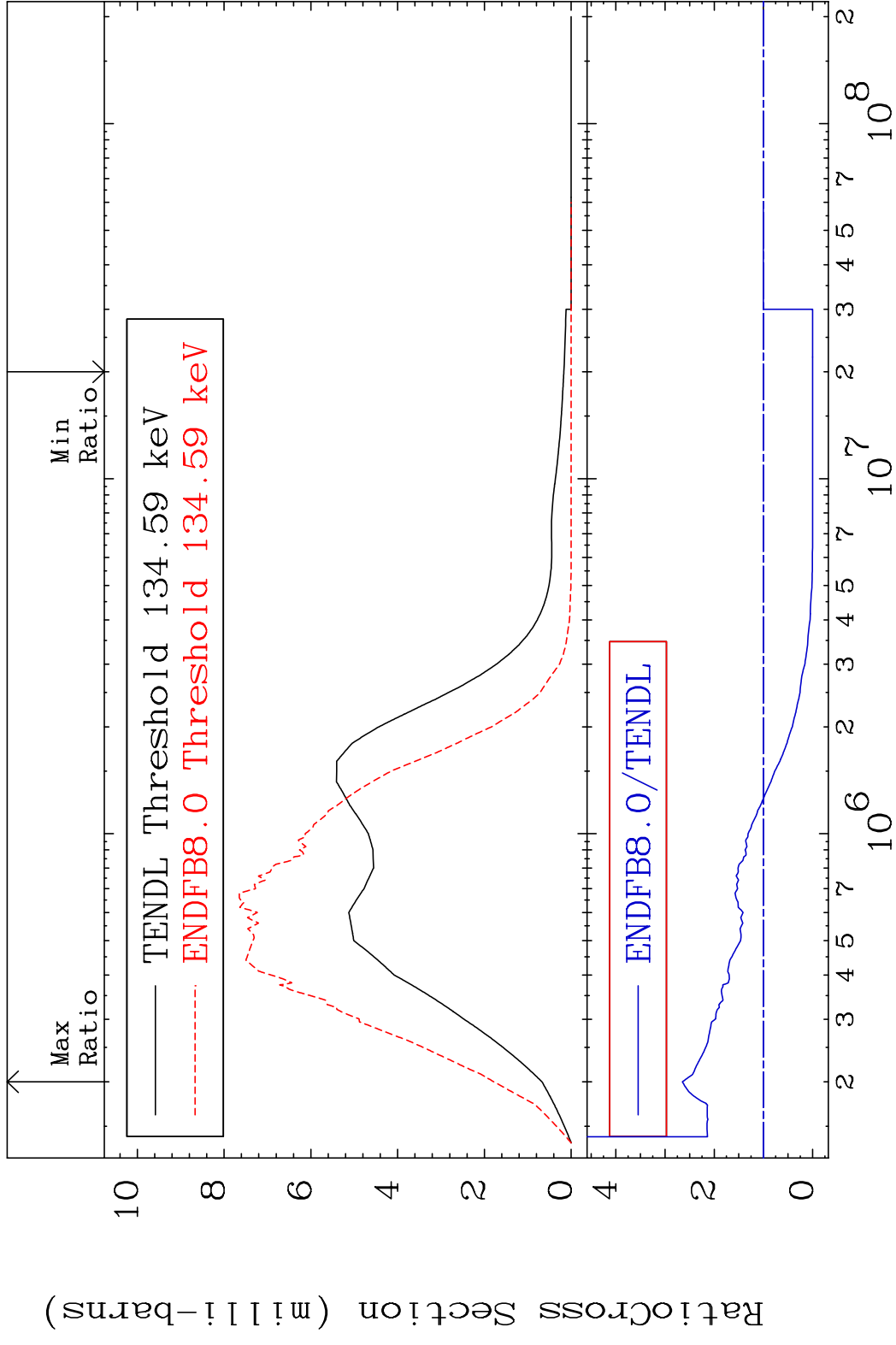


15 15 91-Pa-231

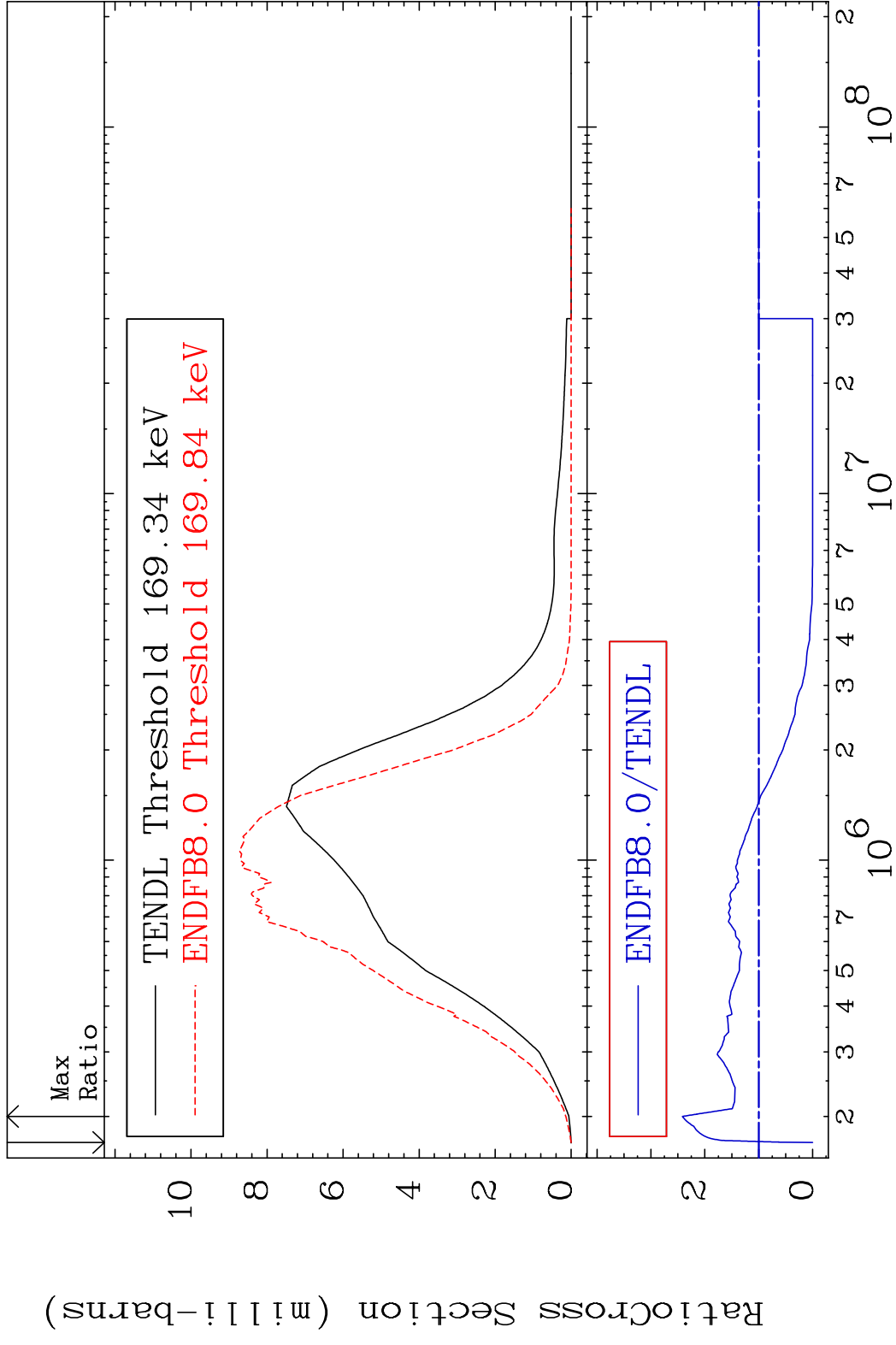
MAT 9131 MT= 57 (n, n') Level 91-Pa-231
 Cross Section -100.0 To 125.2 %



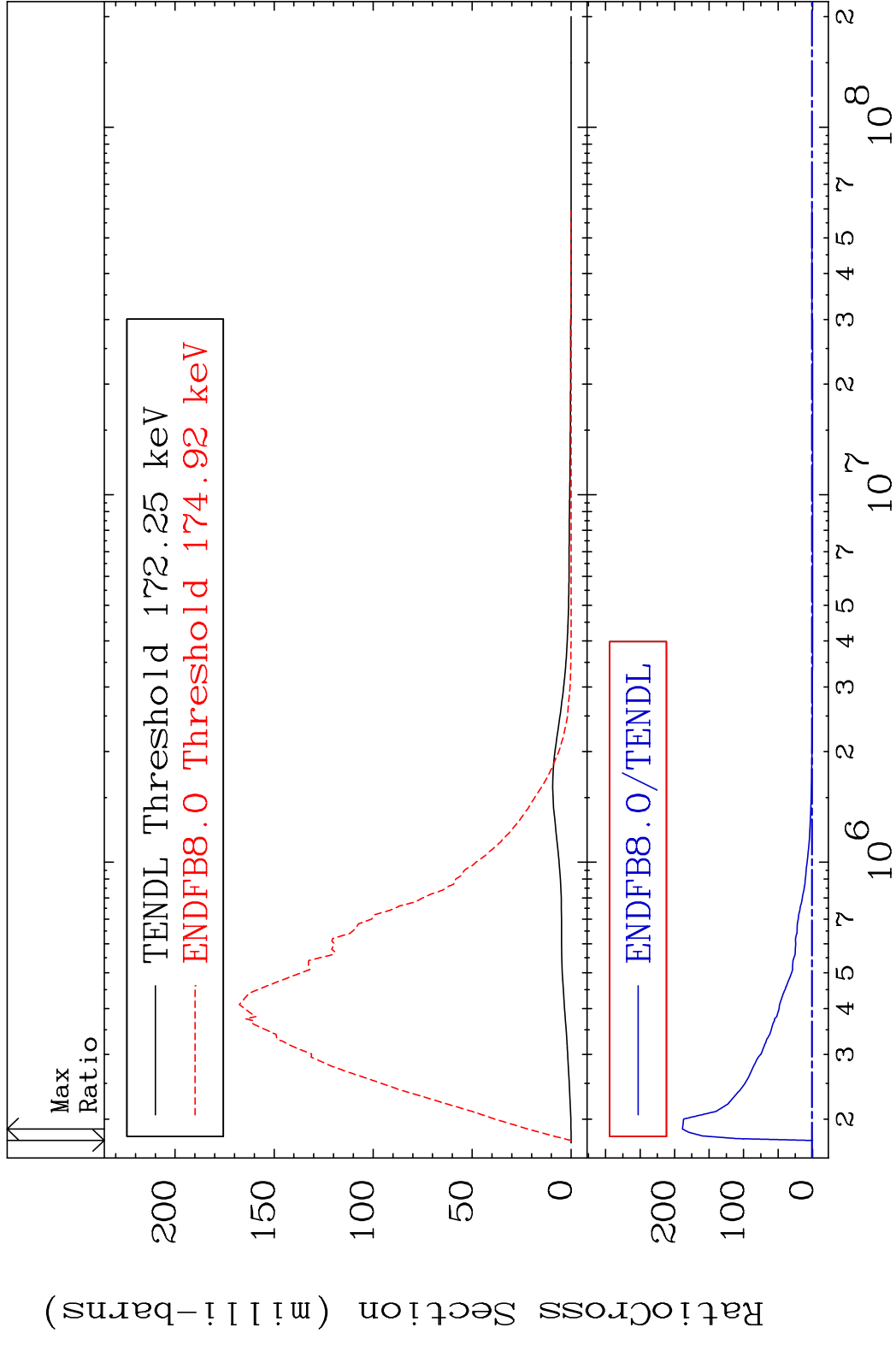
MAT 9131 MT= 58 (n, n') Level 91-Pa-231
 Cross Section -100.0 To 164.8 %



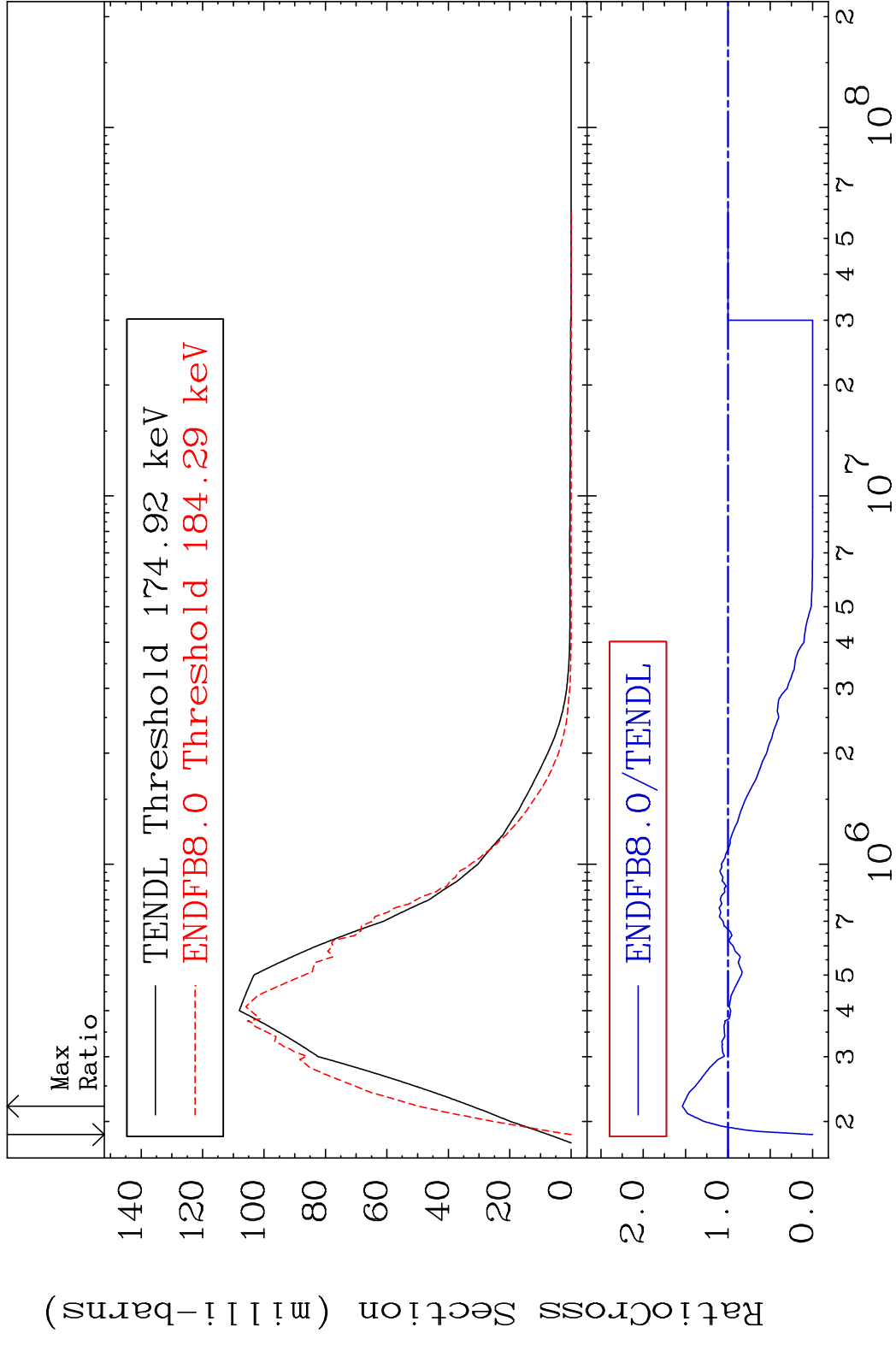
MAT 9131 MT= 59 (n,n') Level 91-Pa-231
 Cross Section -100.0 To 141.8 %



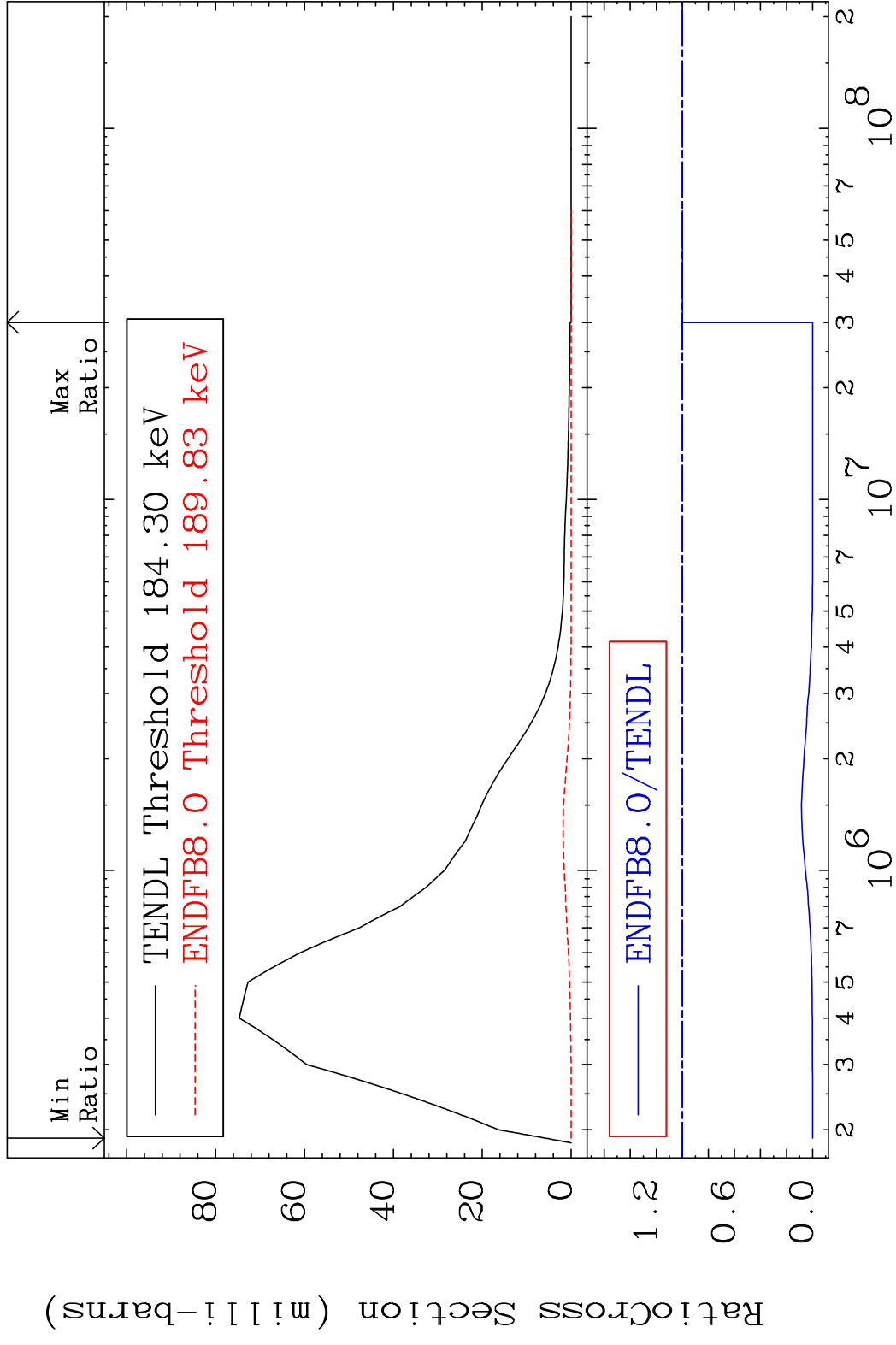
MAT 9131 MT= 60 (n,n') Level 91-Pa-231
 Cross Section -100.0 To 9999. %



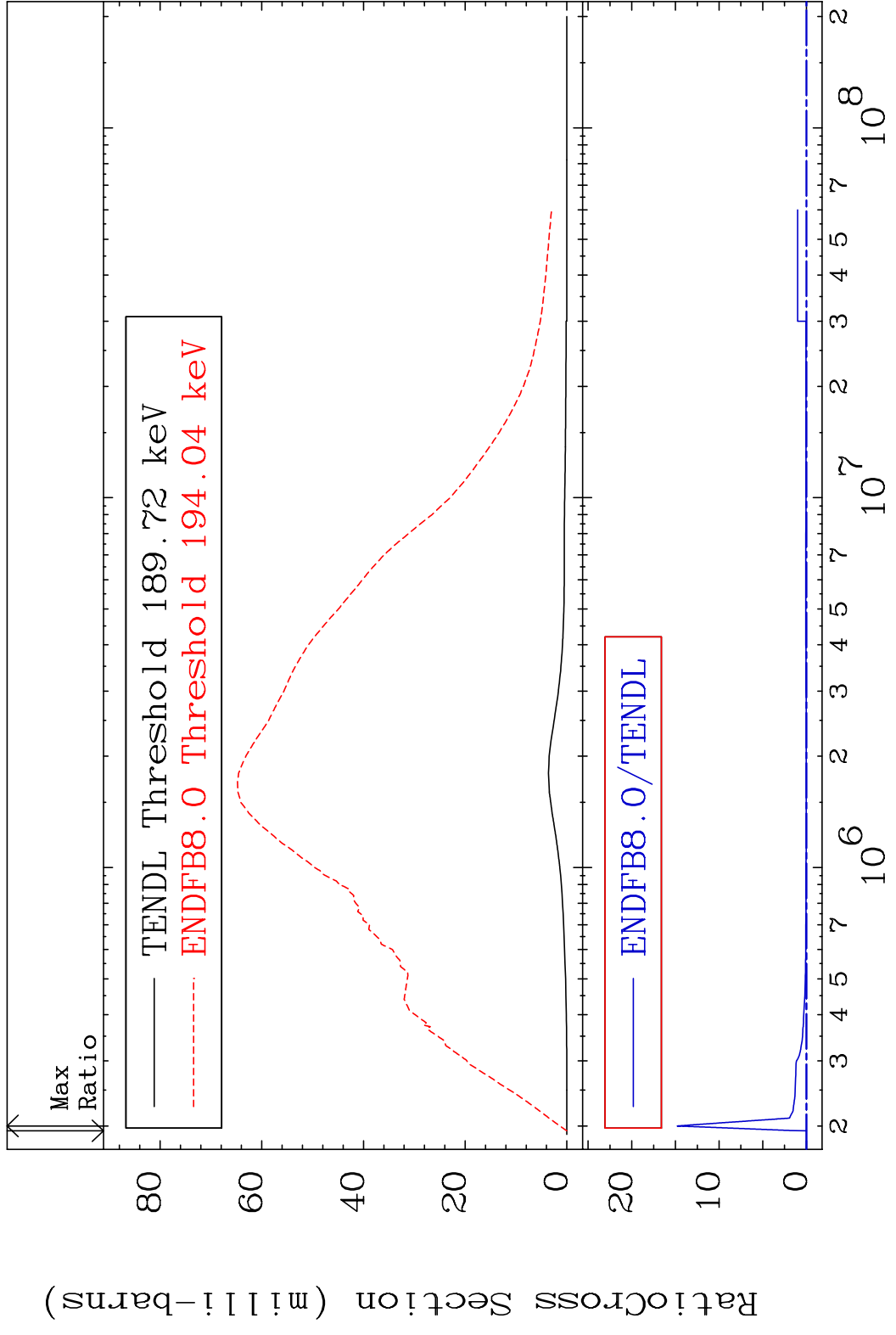
MAT 9131 MT= 61 (n,n') Level 91-Pa-231
 Cross Section -100.0 To 53.82 %



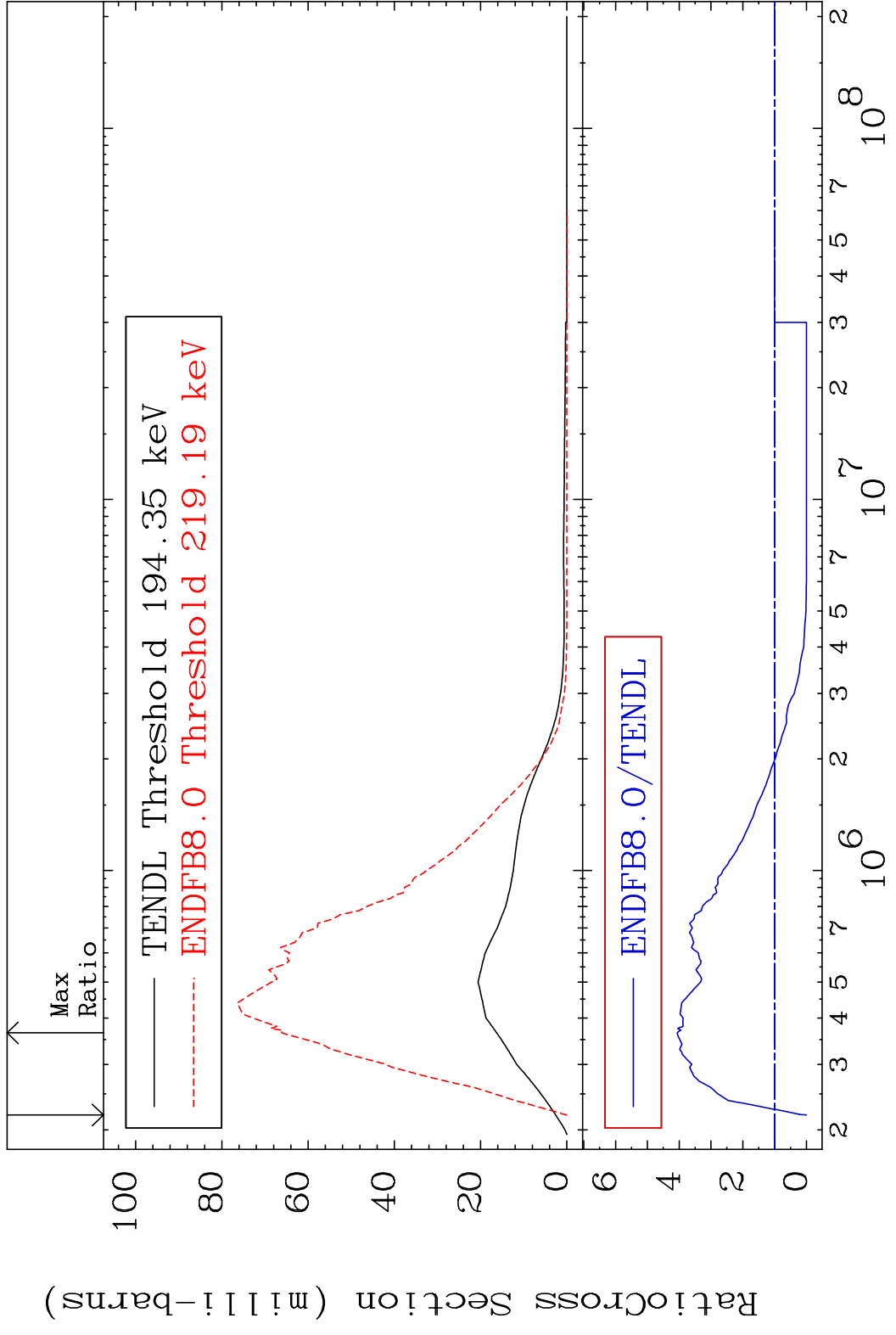
MAT 9131 MT= 62 (n,n') Level 91-Pa-231
 Cross Section -100.0 To 0.000 %



MAT 9131 MT= 63 (n, n') Level 91-Pa-231
 Cross Section -100.0 To 9999. %



MAT 9131 MT= 64 (n,n') Level 91-Pa-231
 Cross Section -100.0 To 306.3 %

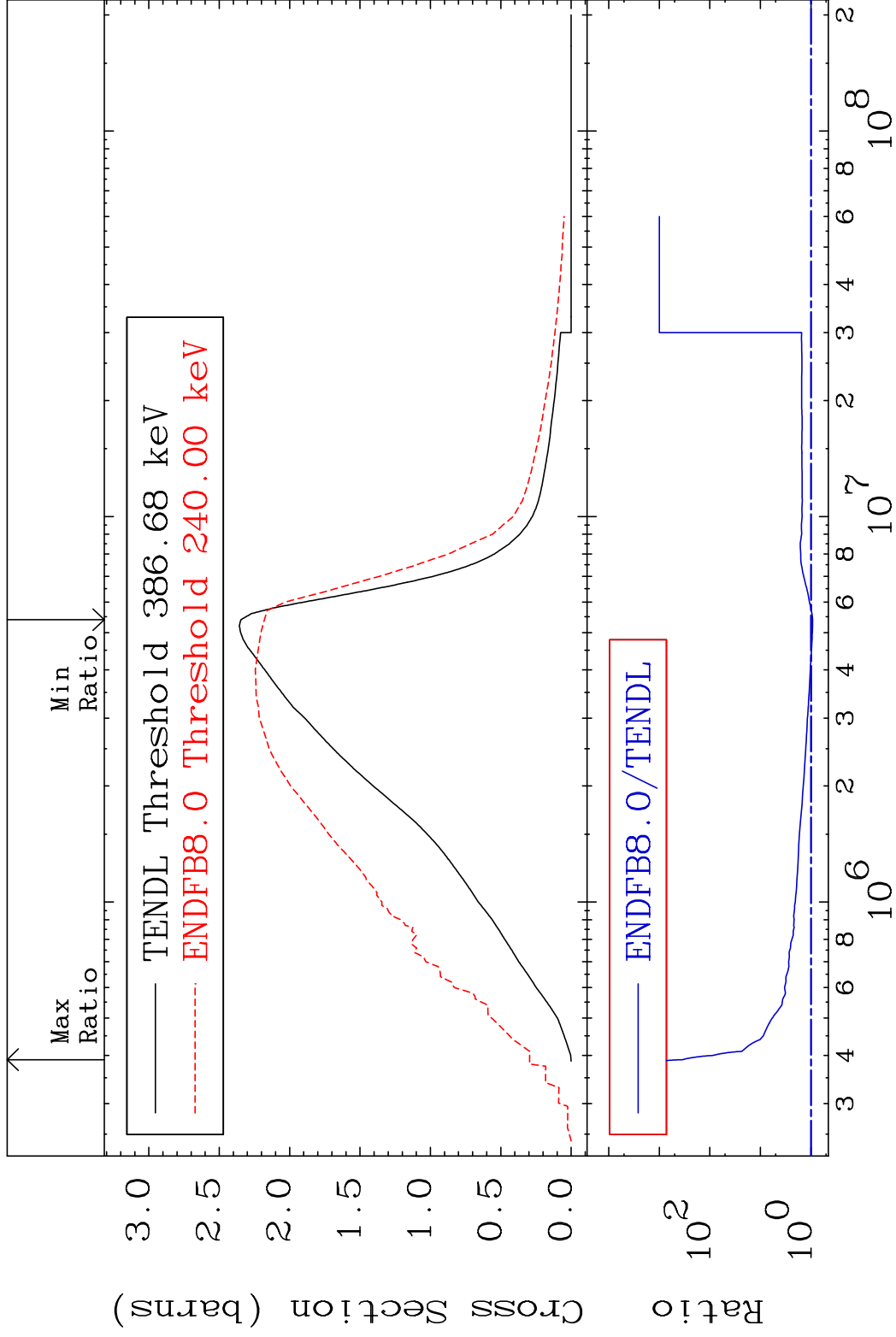


MAT 9131

(n, n') Continuum

91-Pa-231

Cross Section -7.143 To 9999. %

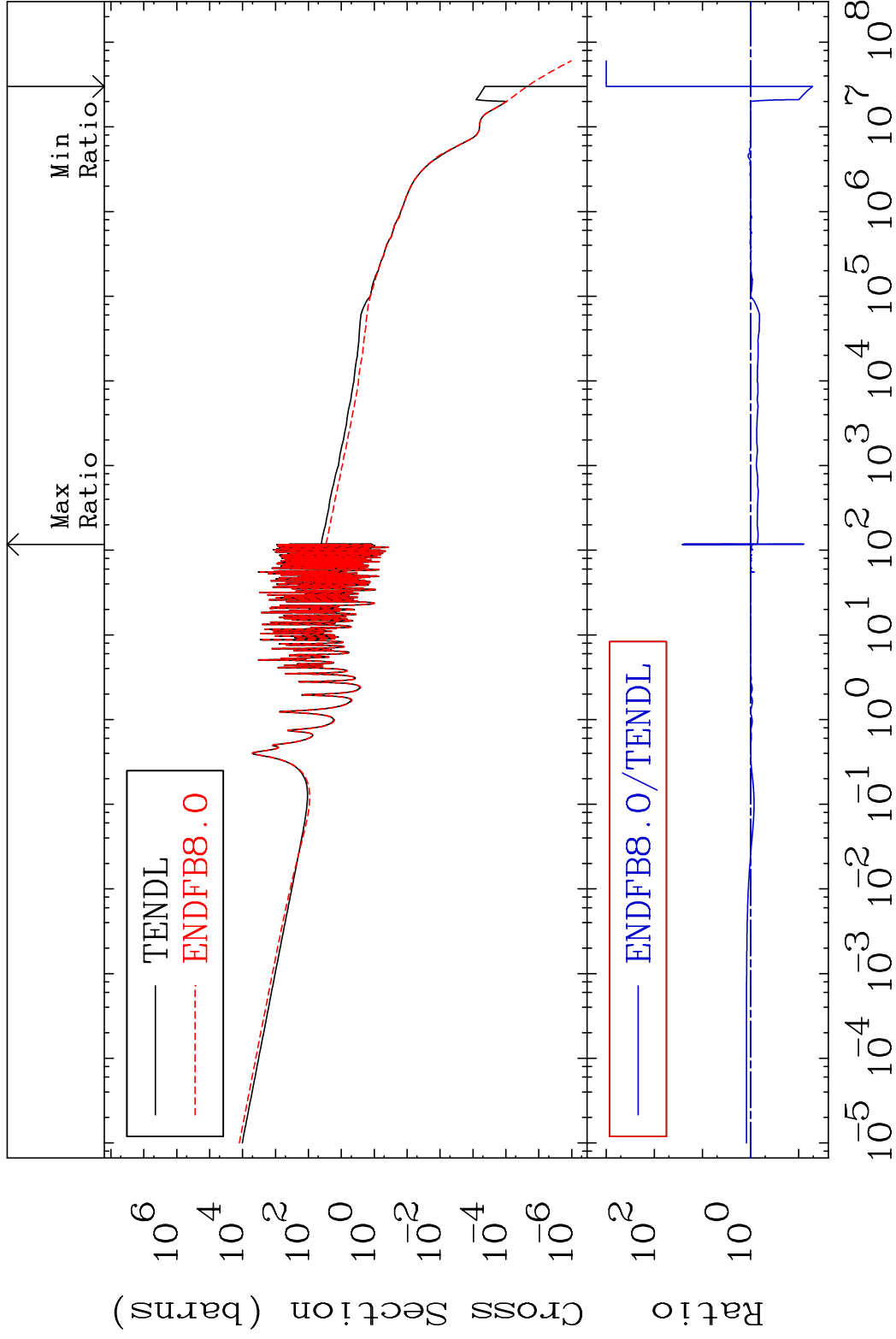


MAT 9131

(n, γ)

91-Pa-231

Cross Section -94.84 To 2525. %

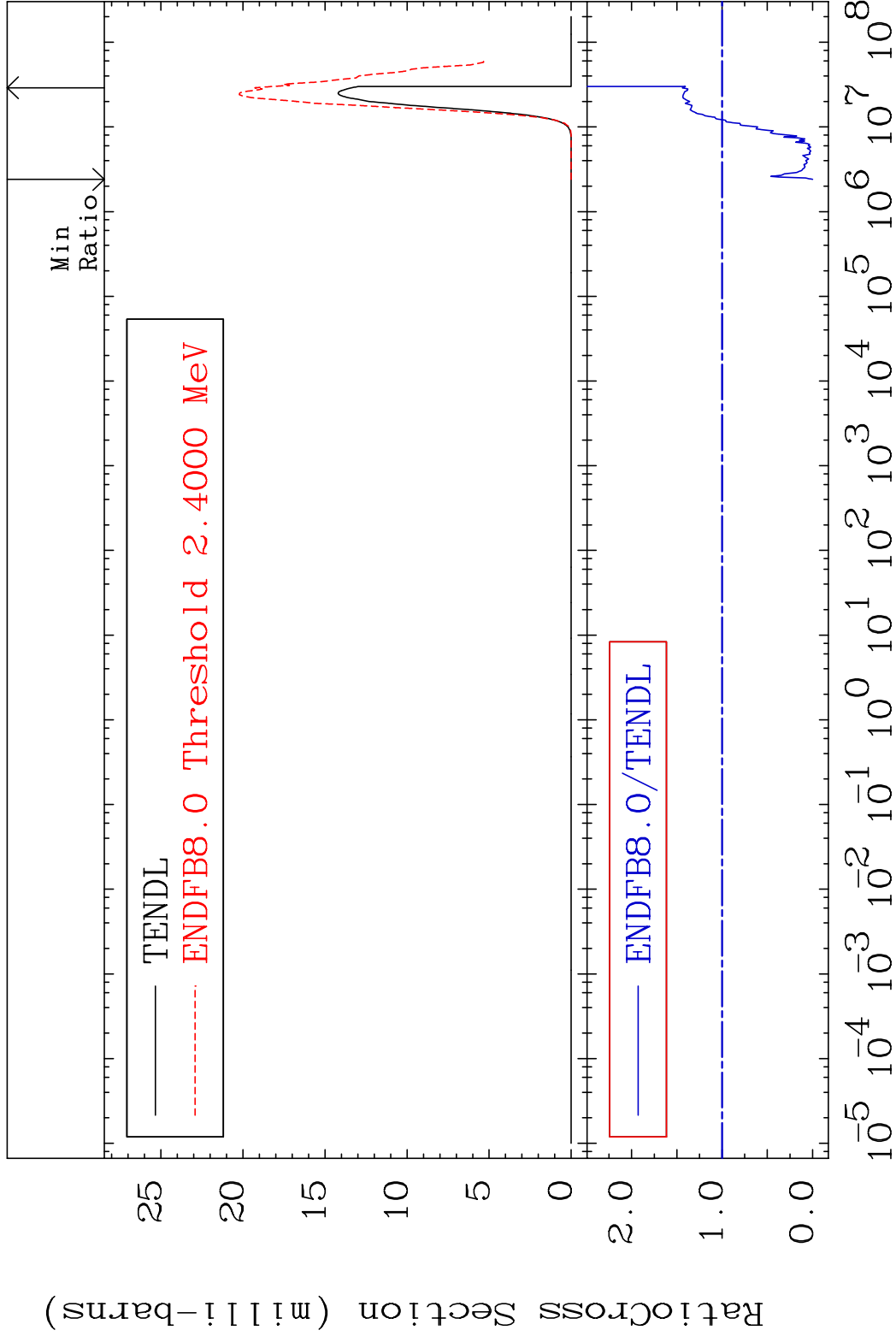


MAT 9131

(n,p)

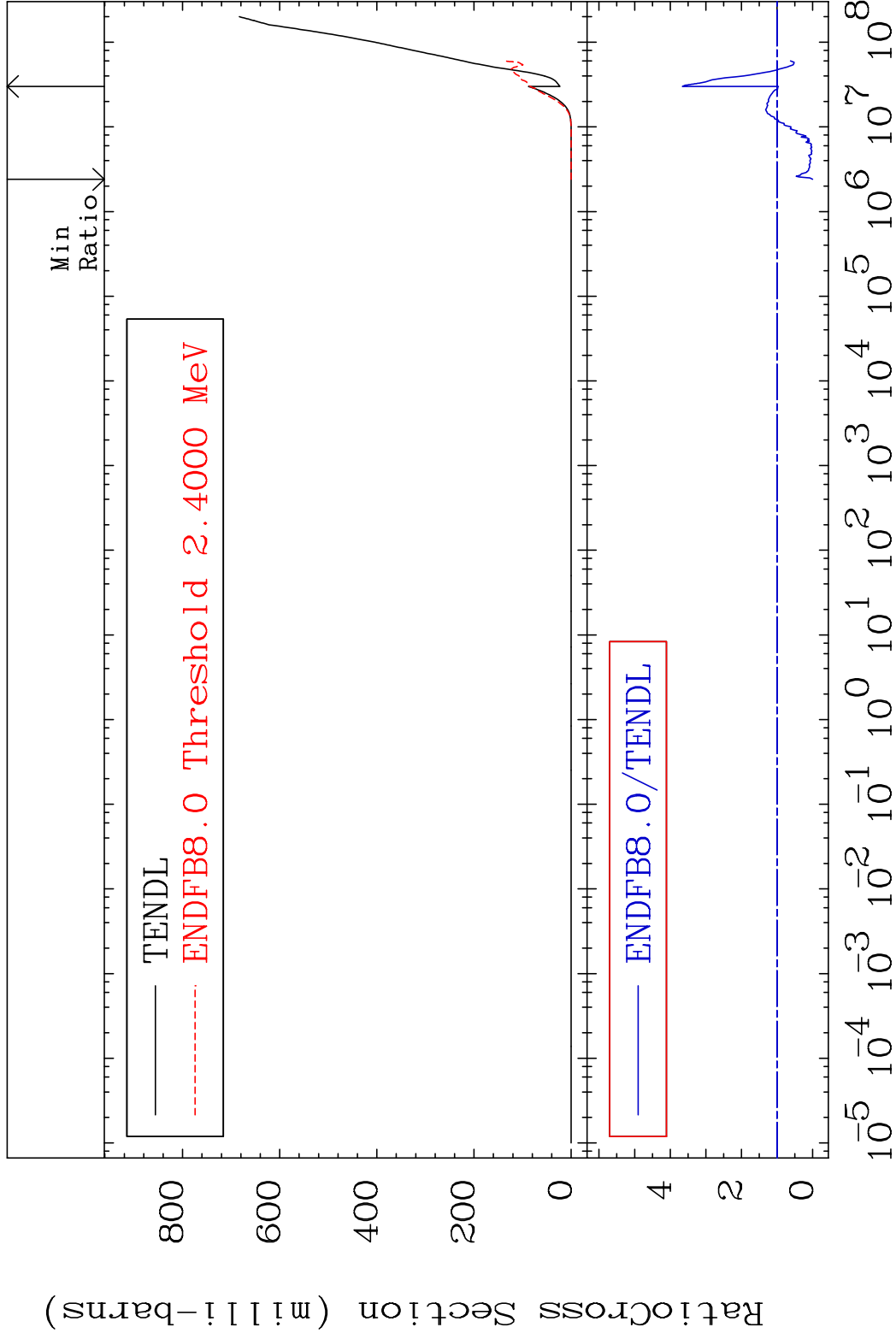
91-Pa-231

Cross Section -100.0 To 43.92 %



MAT 9131

Hydrogen Production 91-Pa-231
Cross Section -100.0 To 265.9 %



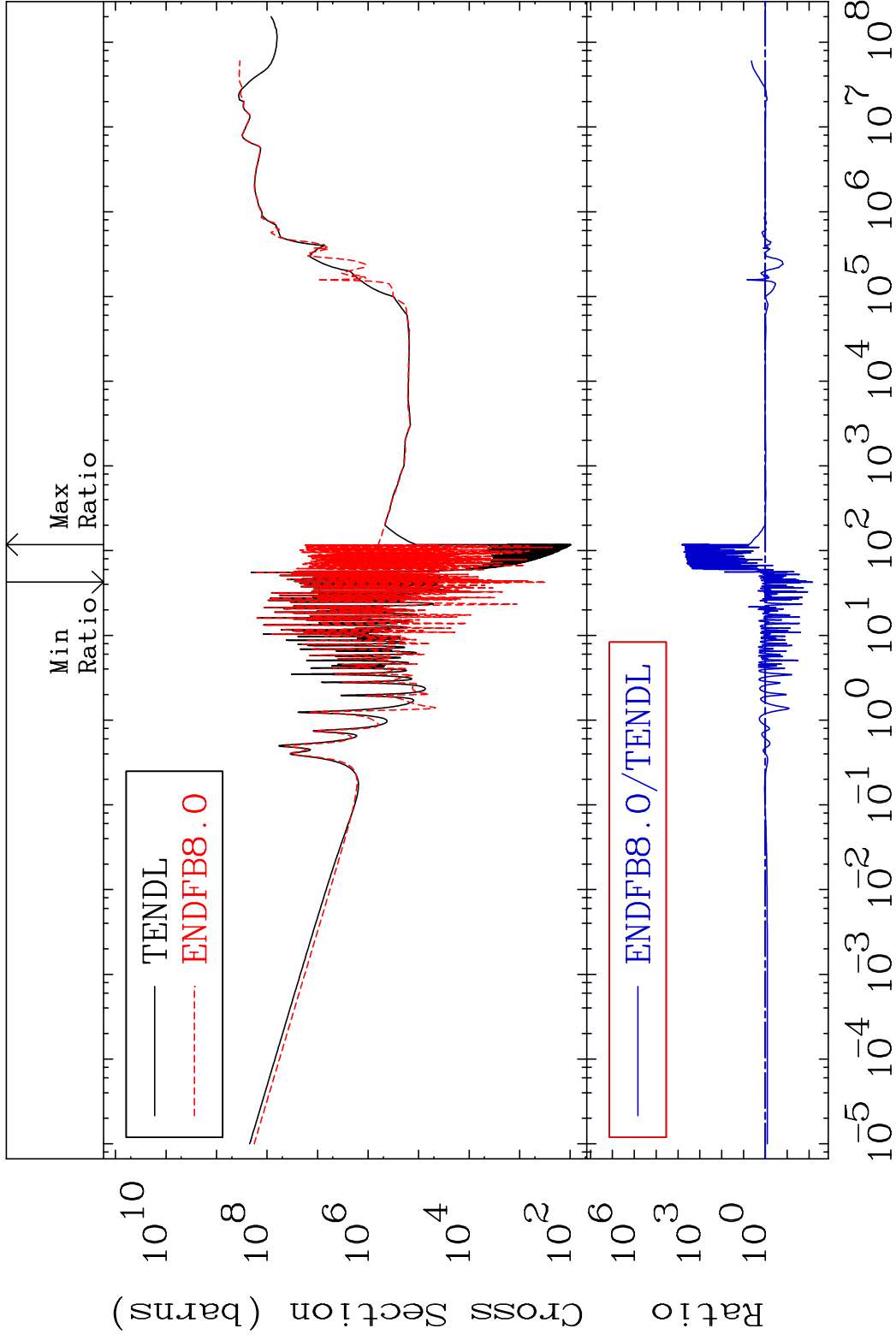
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Incident Energy (eV)

91-Pa-231

MAT 9131

Kerma total (eV-barns) 91-Pa-231
Cross Section -99.30 To 9999. %



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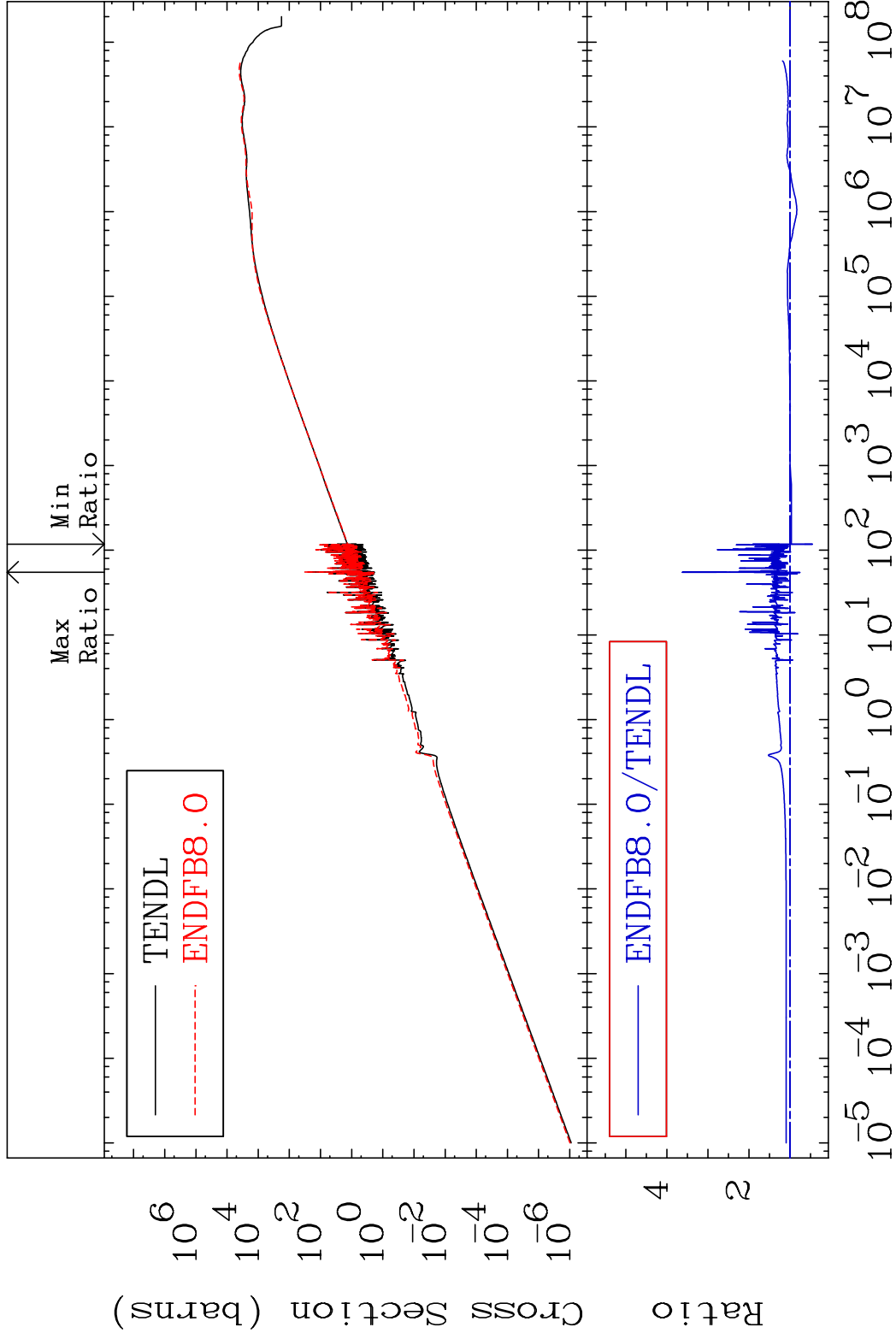
Incident Energy (eV)

91-Pa-231

MAT 9131

Kerma elastic
Cross Section -54.60 To 262.3 %

91-Pa-231

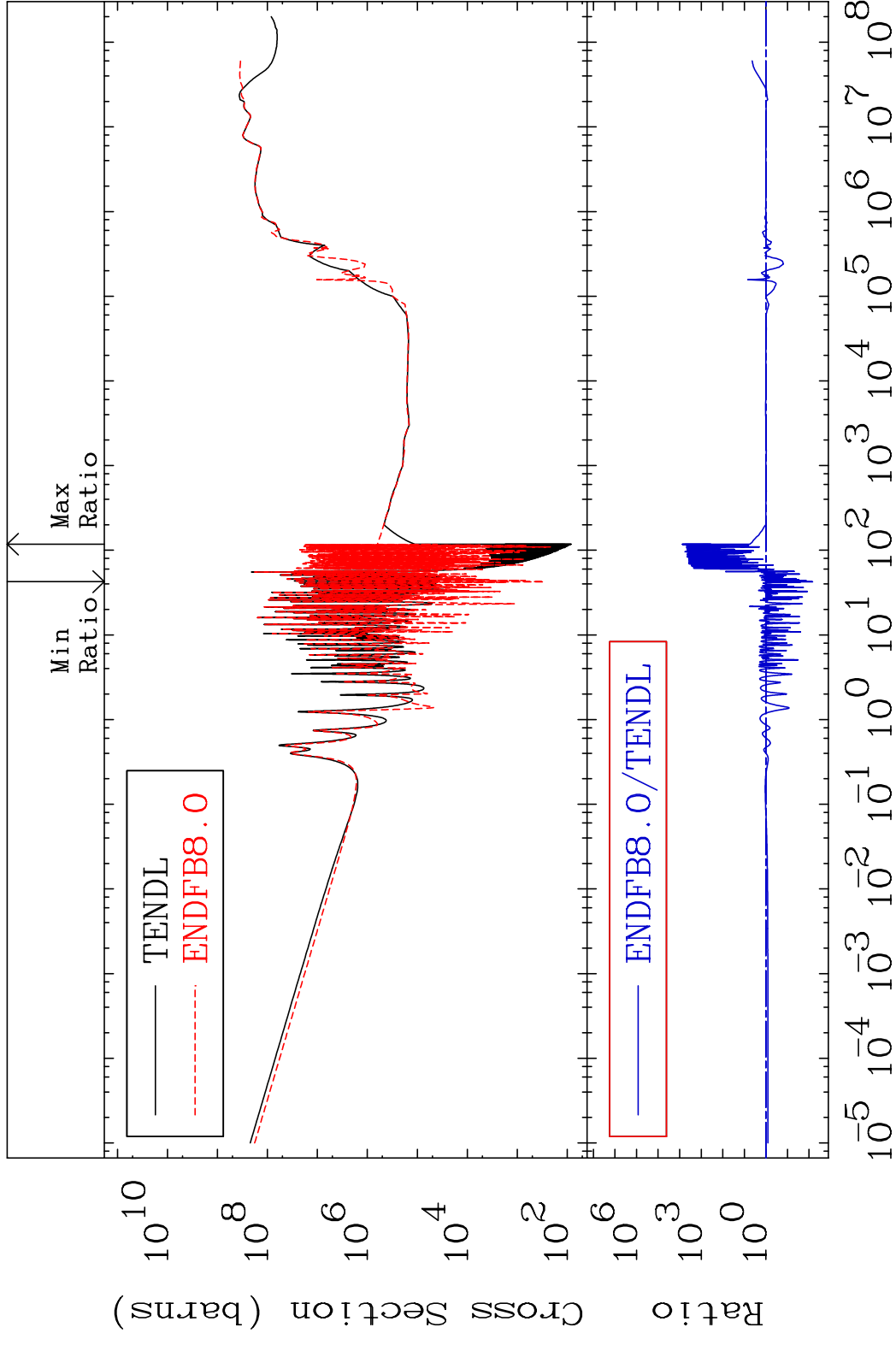


29

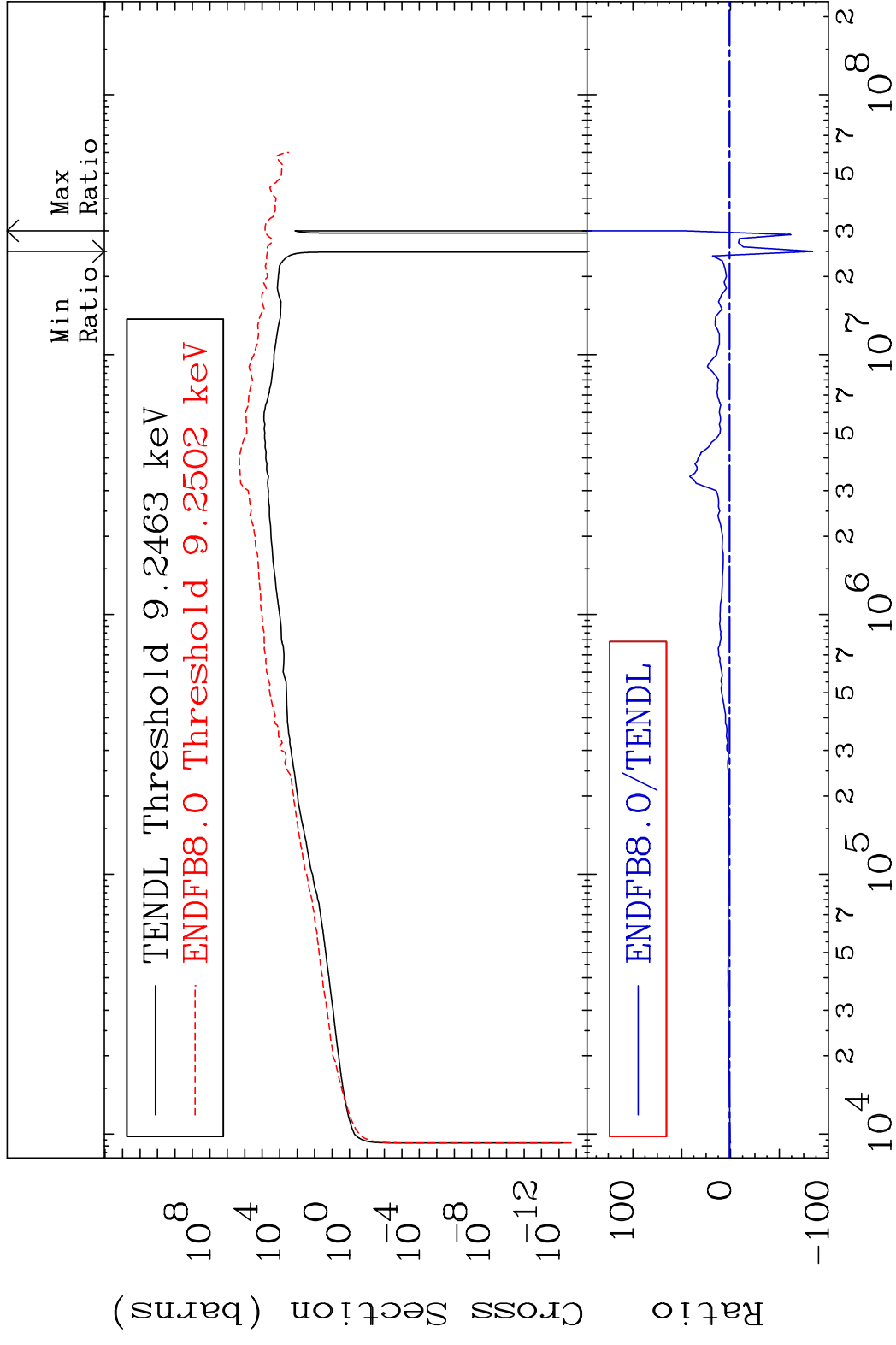
Incident Energy (eV)

91-Pa-231

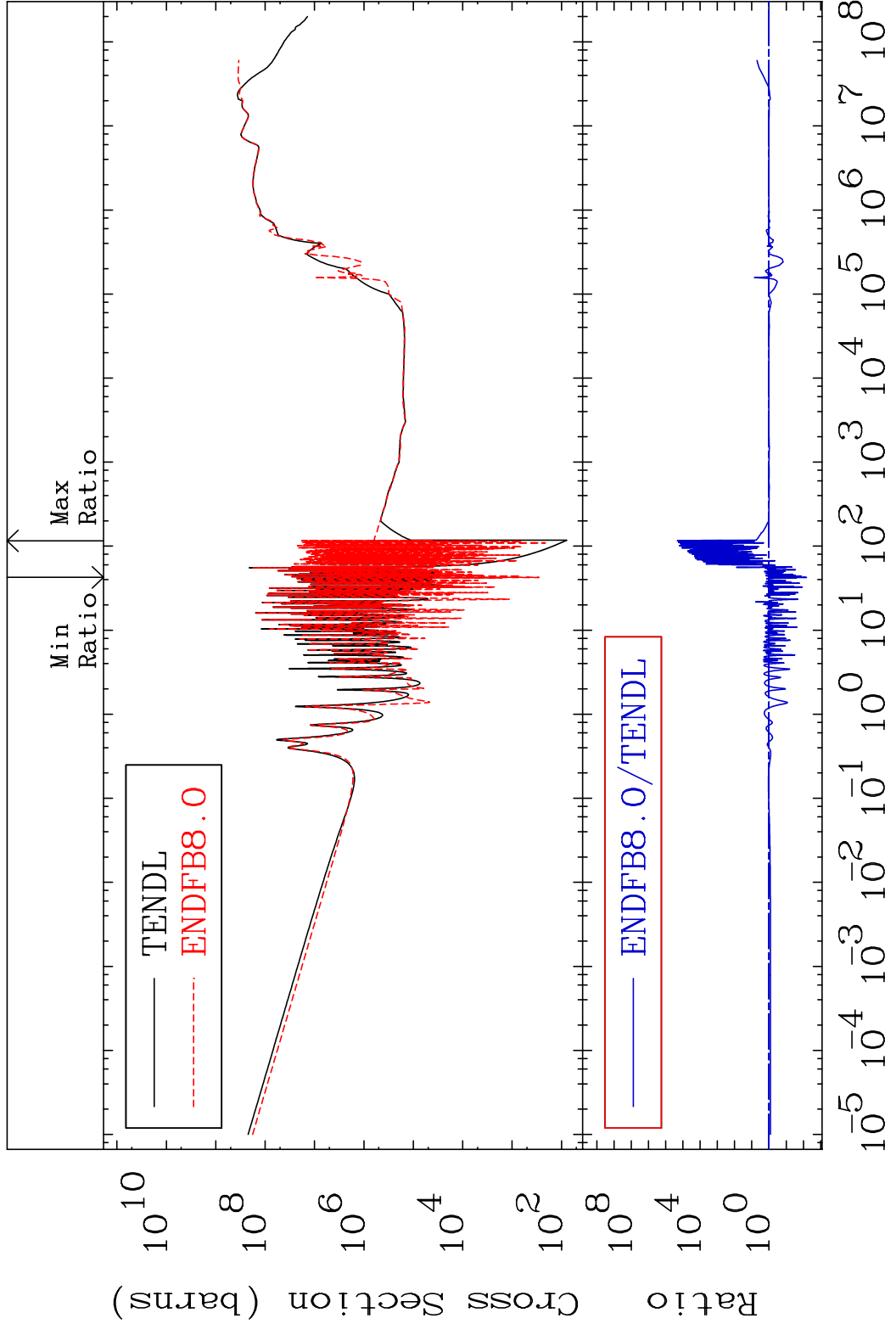
MAT 9131 Kerma non-elastic (all but mt2) 91-Pa-231
 Cross Section -99.31 To 9999. %



MAT 9131 Kerma inelastic (mt51-91) 91-Pa-231
 Cross Section -8503. To 4827. %

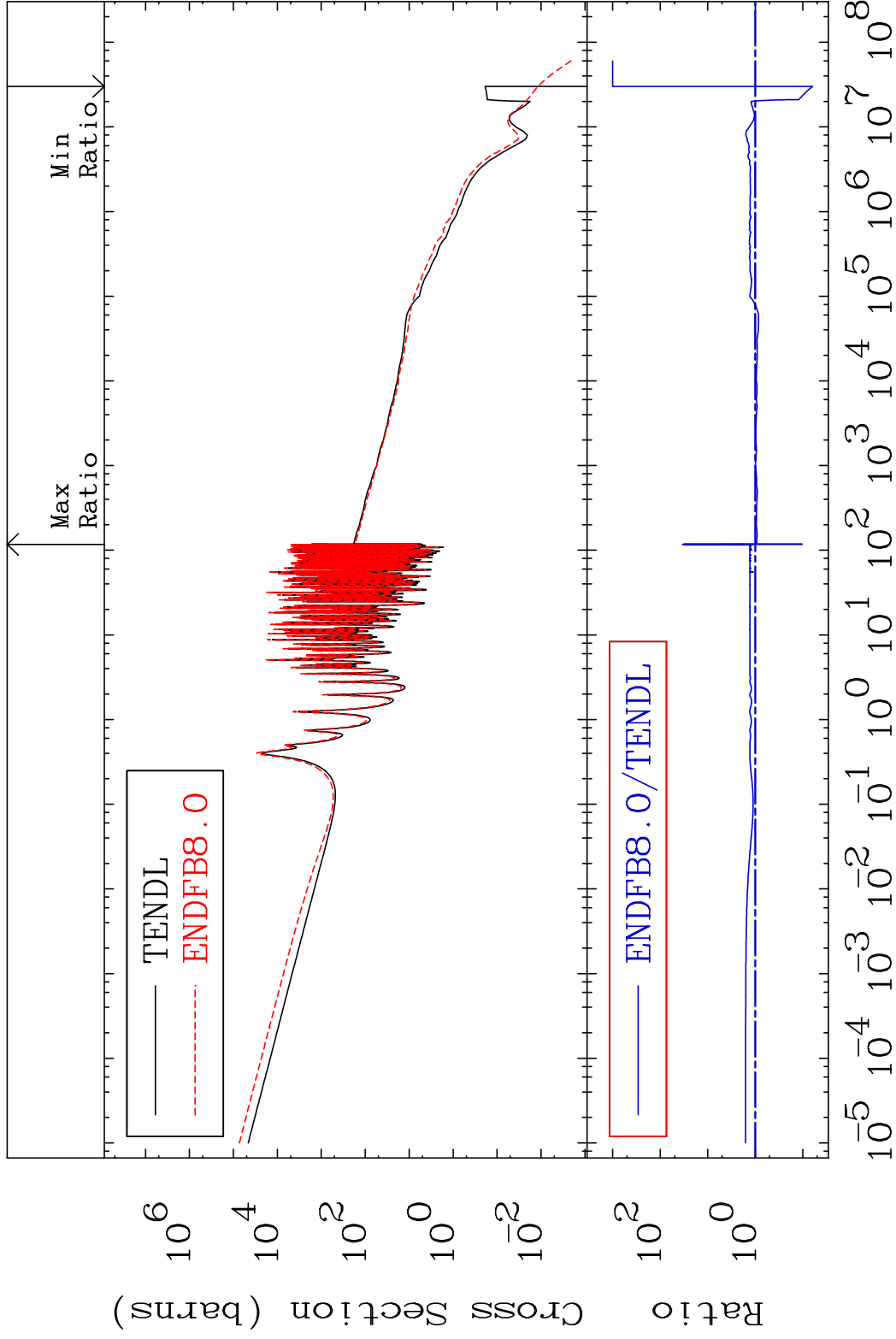


MAT 9131 Kerma fission (mt18 or mt19-20-21-38) 91-Pa-231
 Cross Section -99.33 To 9999. %



MAT 9131

Kerma capture (mt102) 91-Pa-231
Cross Section -93.78 To 3321. %



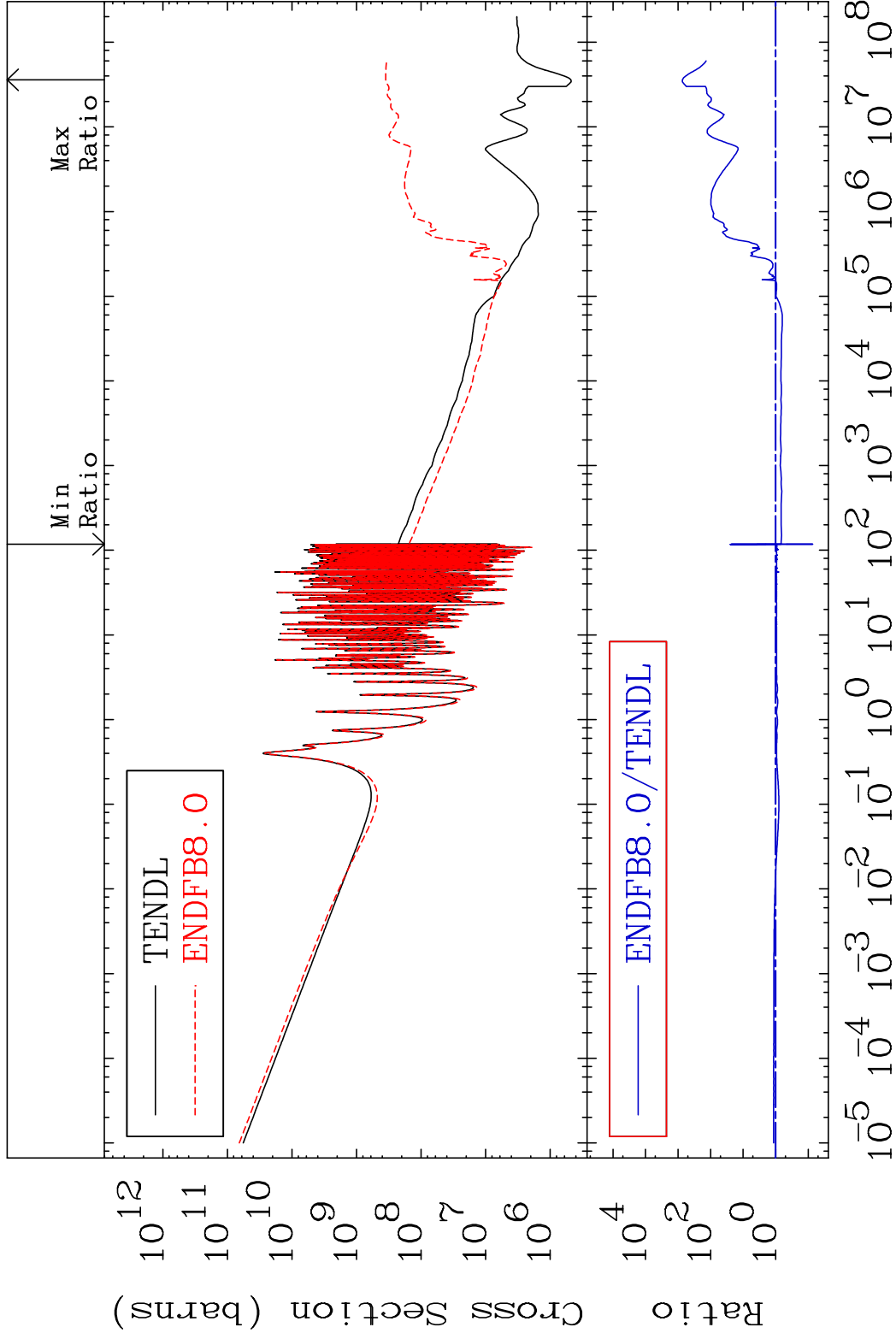
33

Incident Energy (eV)

91-Pa-231

MAT 9131

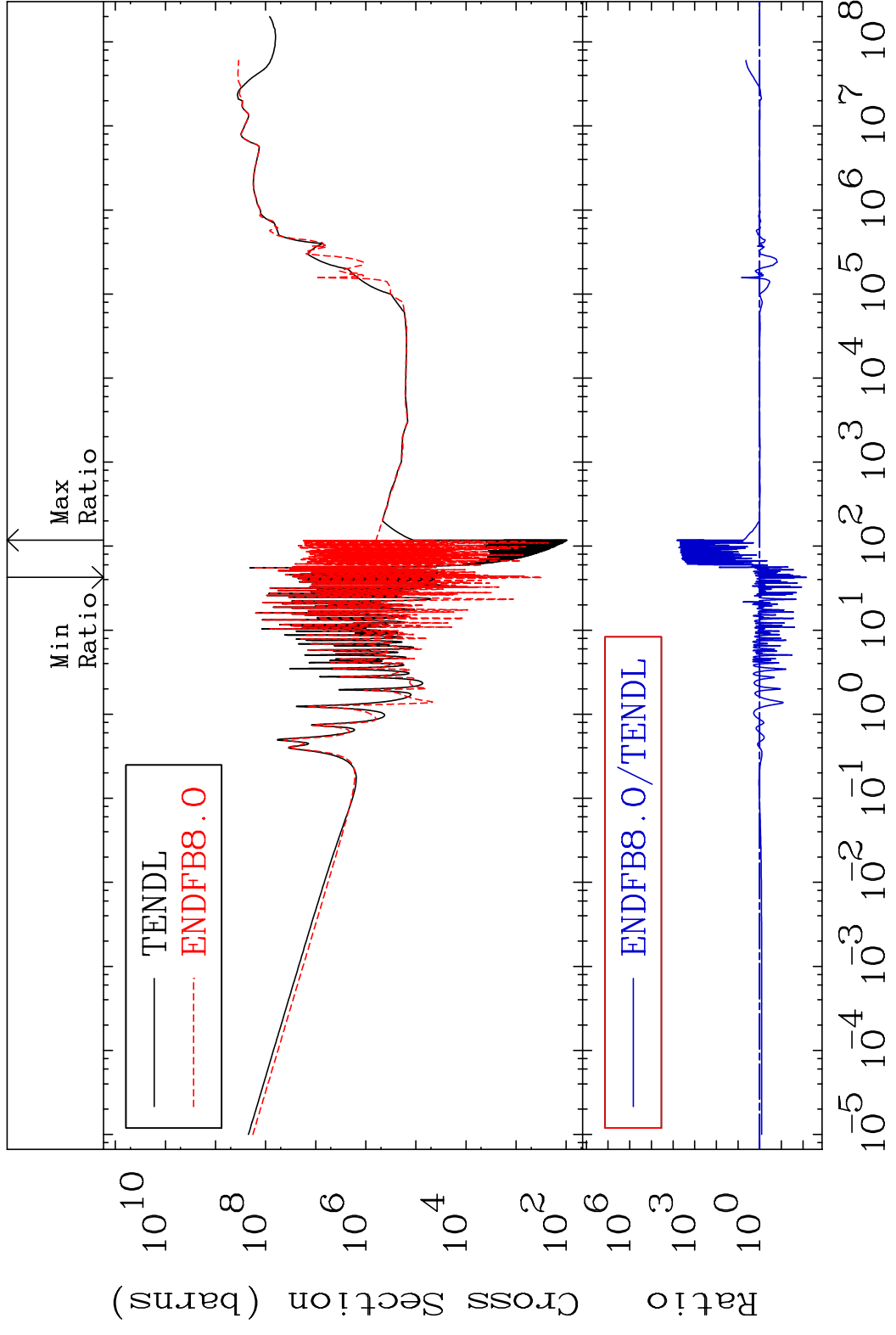
Total photon (eV-barns) 91-Pa-231
Cross Section -92.64 To 9999. %



34

Incident Energy (eV) 91-Pa-231

MAT 9131 Total kinematic kerma (high limit) 91-Pa-231
 Cross Section -99.30 To 9999. %

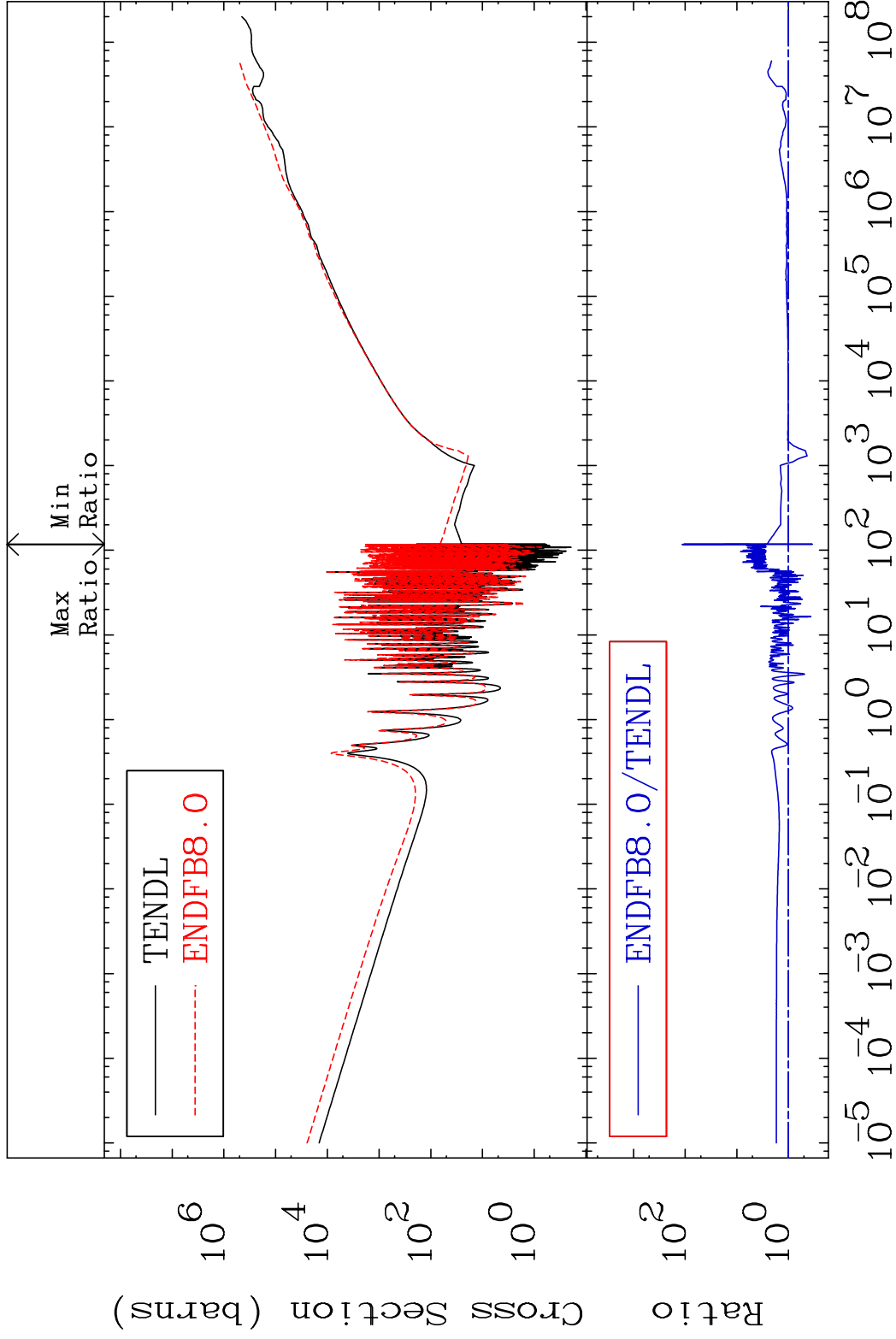


MAT 9131

Dpa total (eV-barns)

91-Pa-231

Cross Section -65.97 To 9999. %



36

Incident Energy (eV)

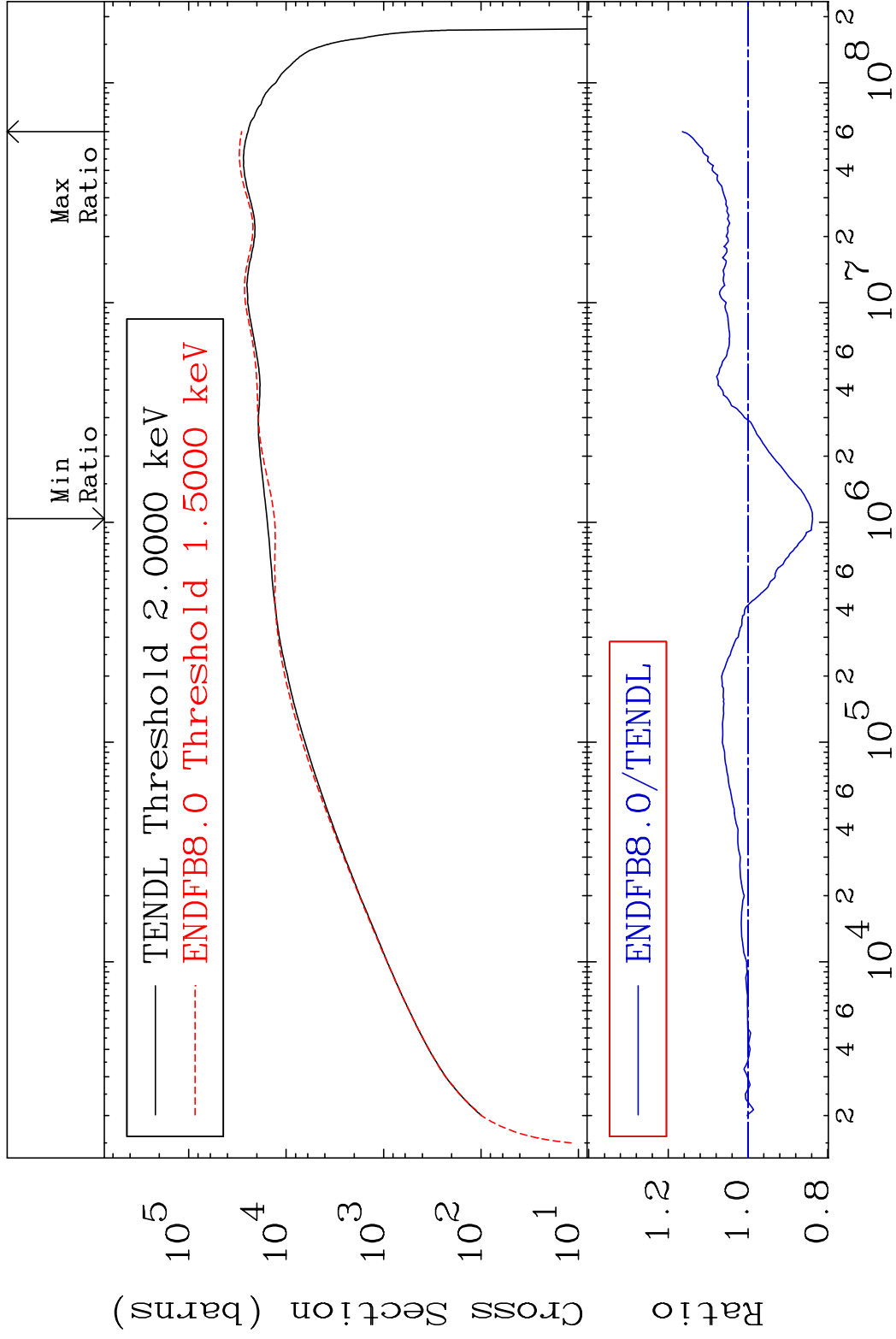
91-Pa-231

MAT 9131

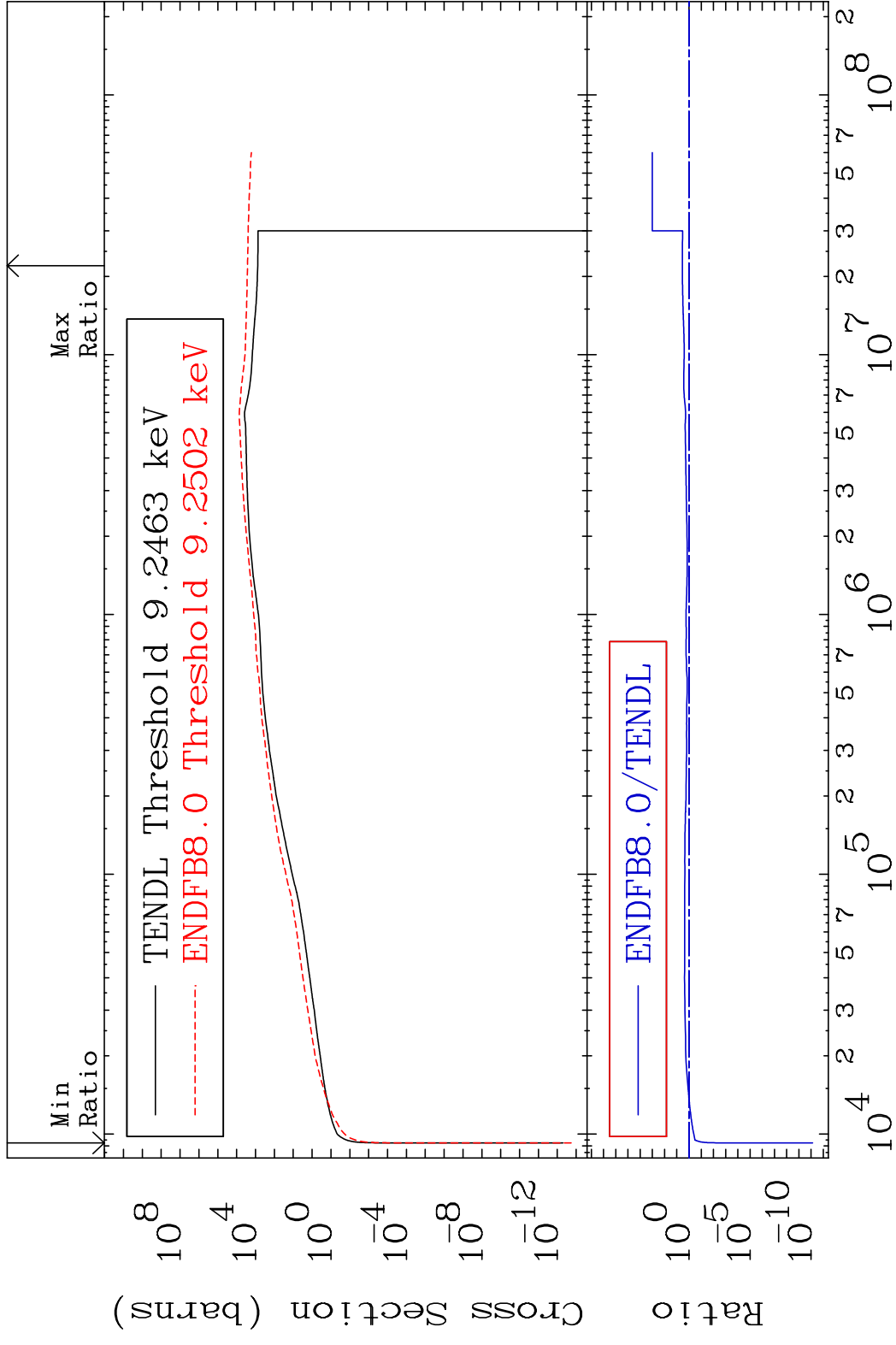
Dpa elastic (mt2)

91-Pa-231

Cross Section -16.21 To 16.47 %



MAT 9131 Dpa inelastic (mt51-91) 91-Pa-231
 Cross Section -100.0 To 249.9 %



MAT 9131 Dpa disappearance (mt102 -120) 91-Pa-231
 Cross Section -86.75 To 7066. %

