

Program Complot
(Version 2021-1)

by

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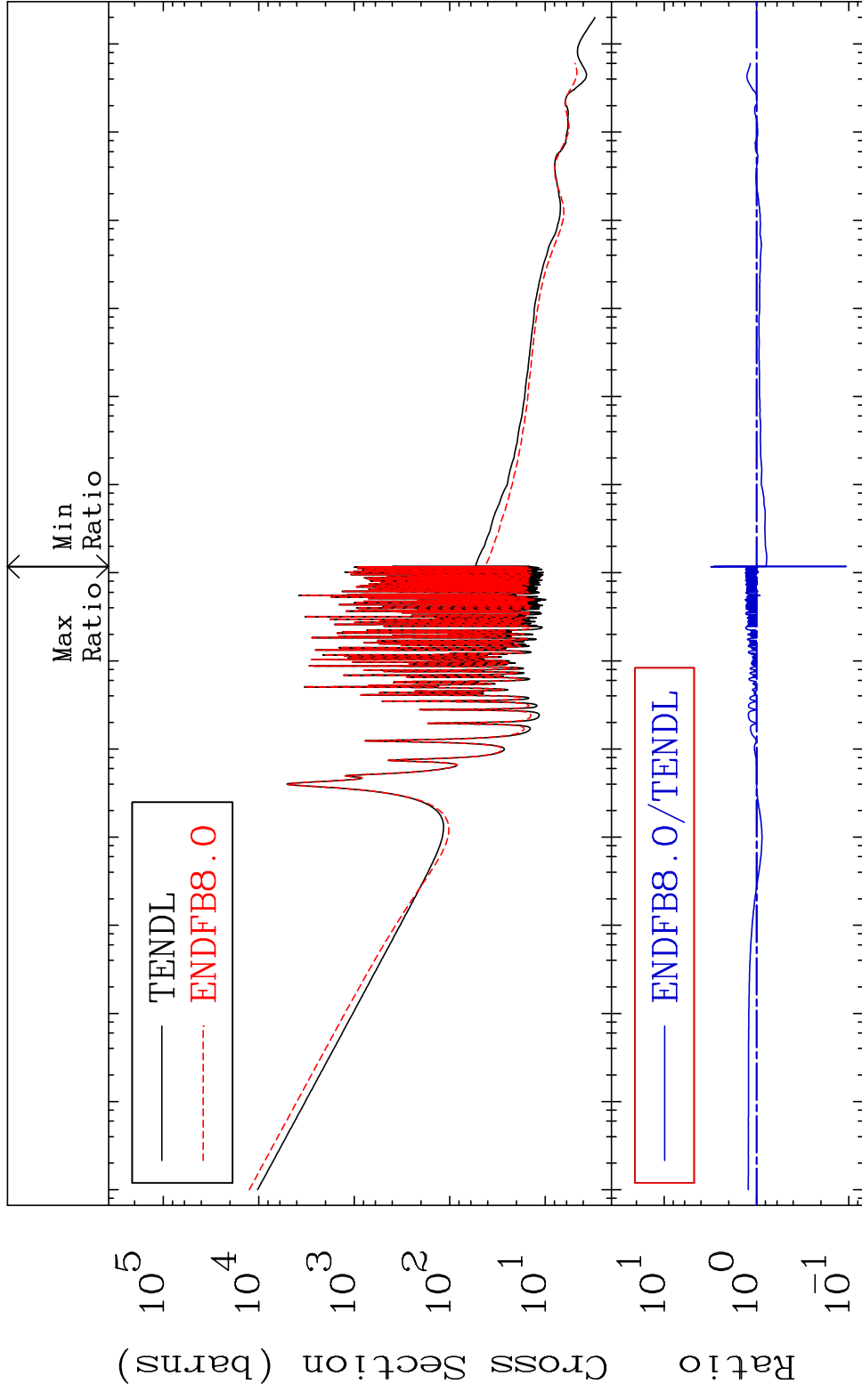
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9131

Total Cross Section -89.36 To 213.2 %

91-Pa-231



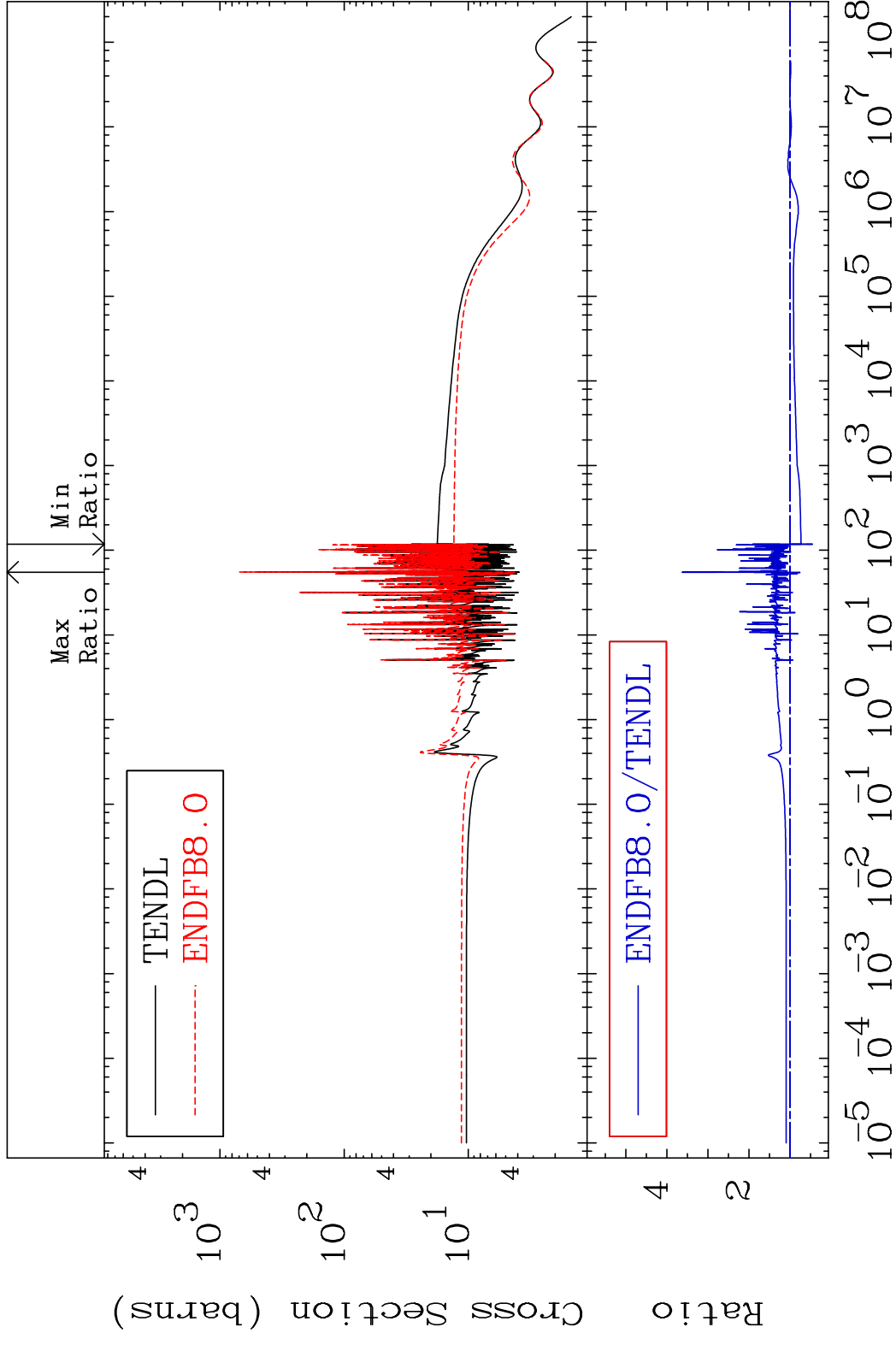
1 Incident Energy (eV) 91-Pa-231

MAT 9131

Elastic

91-Pa-231

Cross Section -54.60 To 262.3 %

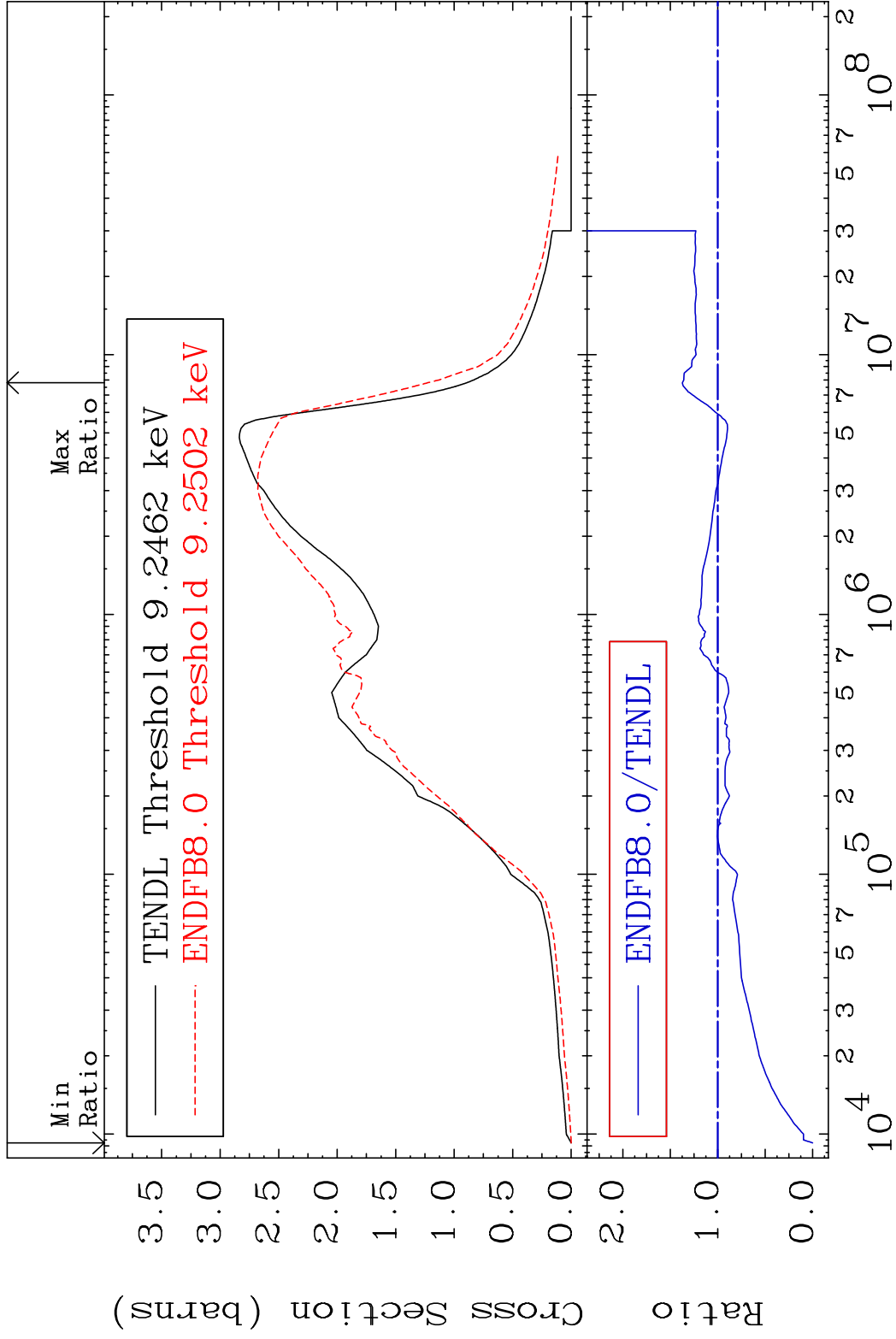


MAT 9131

Inelastic

91-Pa-231

Cross Section -100.0 To 37.30 %



3

Incident Energy (eV)

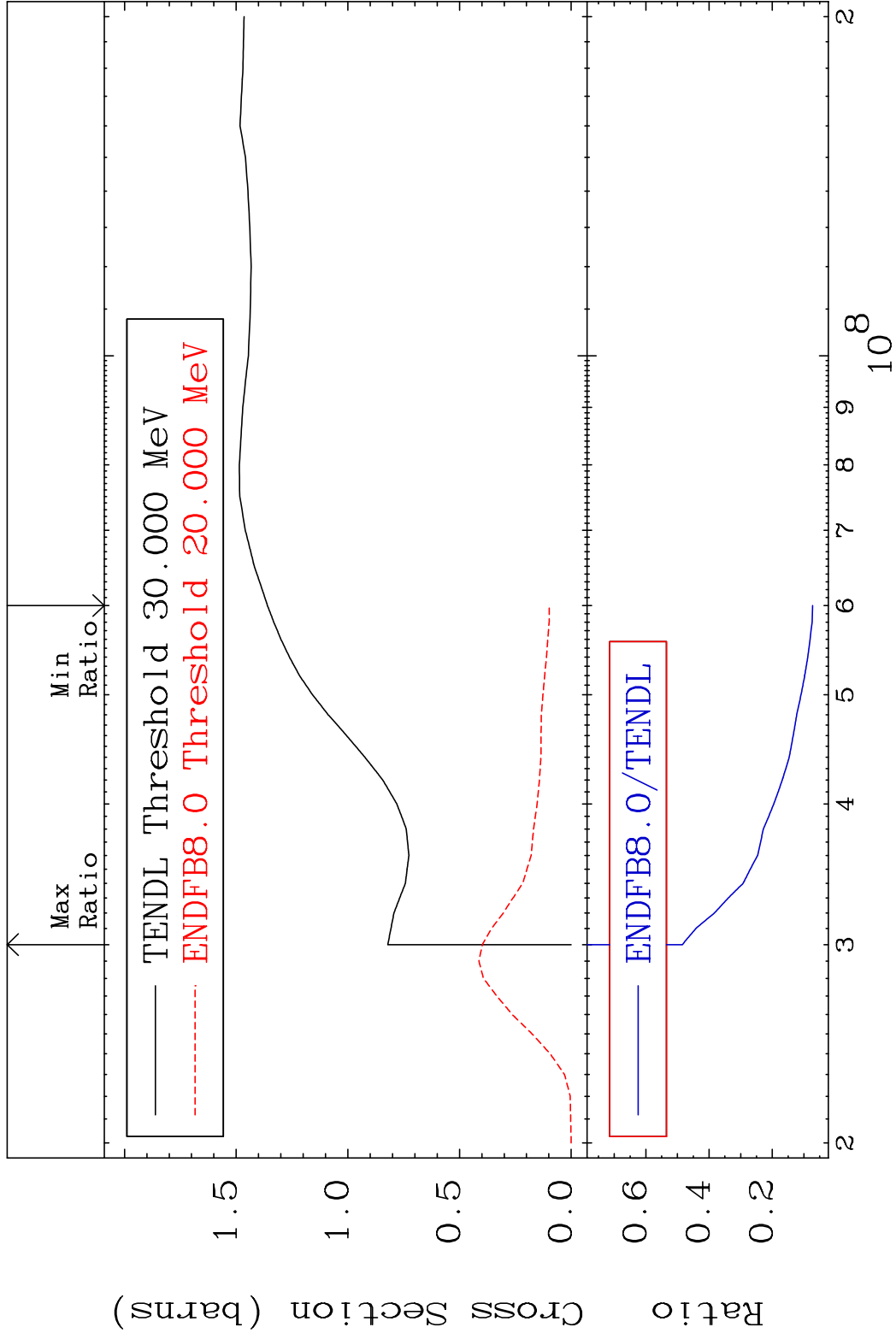
91-Pa-231

MAT 9131

(n, remainder)

91-Pa-231

Cross Section -92.73 To -51.54%



4

Incident Energy (eV)

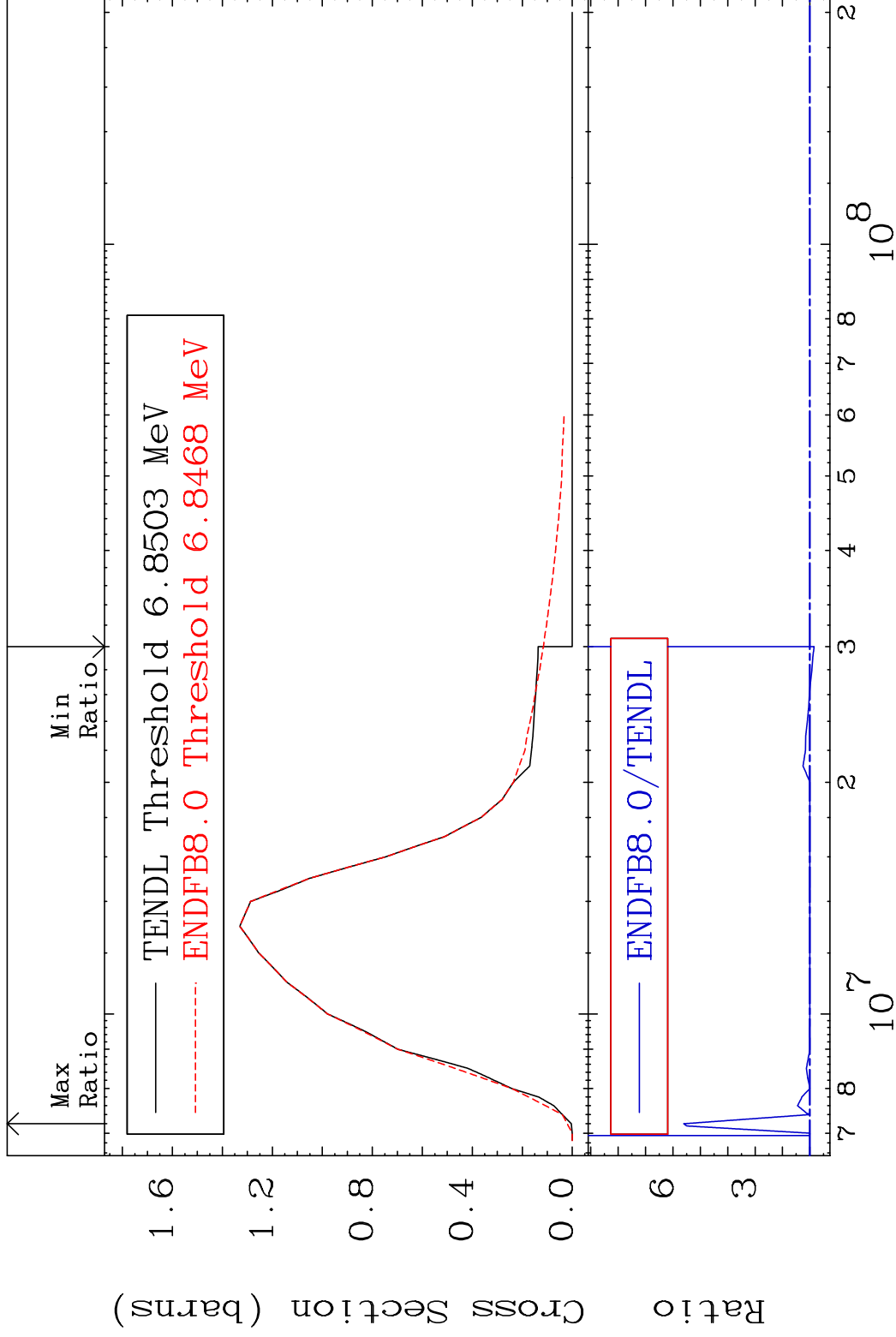
91-Pa-231

MAT 9131

(n,2n)

91-Pa-231

Cross Section -15.43 To 460.9 %



5

Incident Energy (eV)

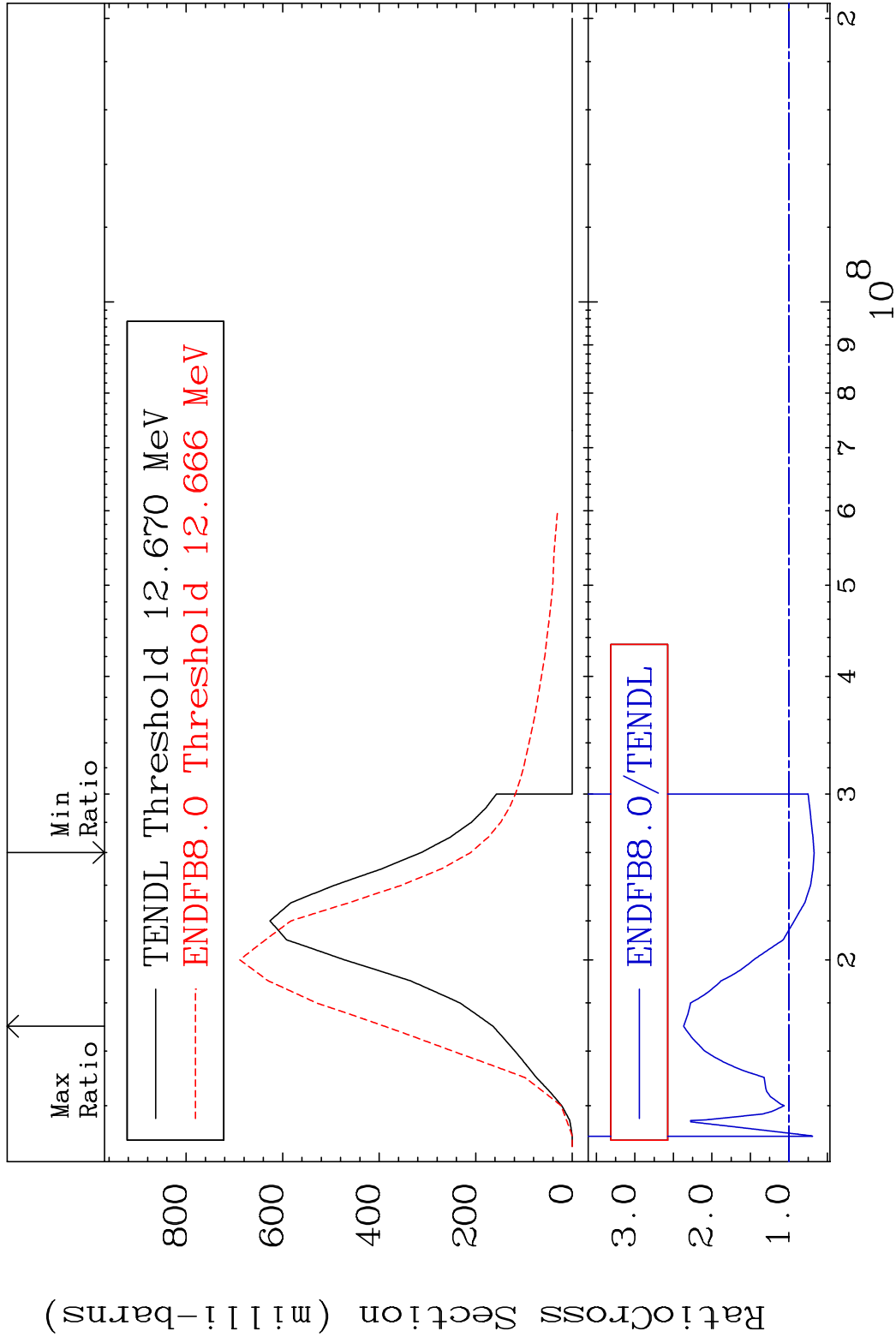
91-Pa-231

MAT 9131

(n,3n)

91-Pa-231

Cross Section -32.74 To 136.7 %



6

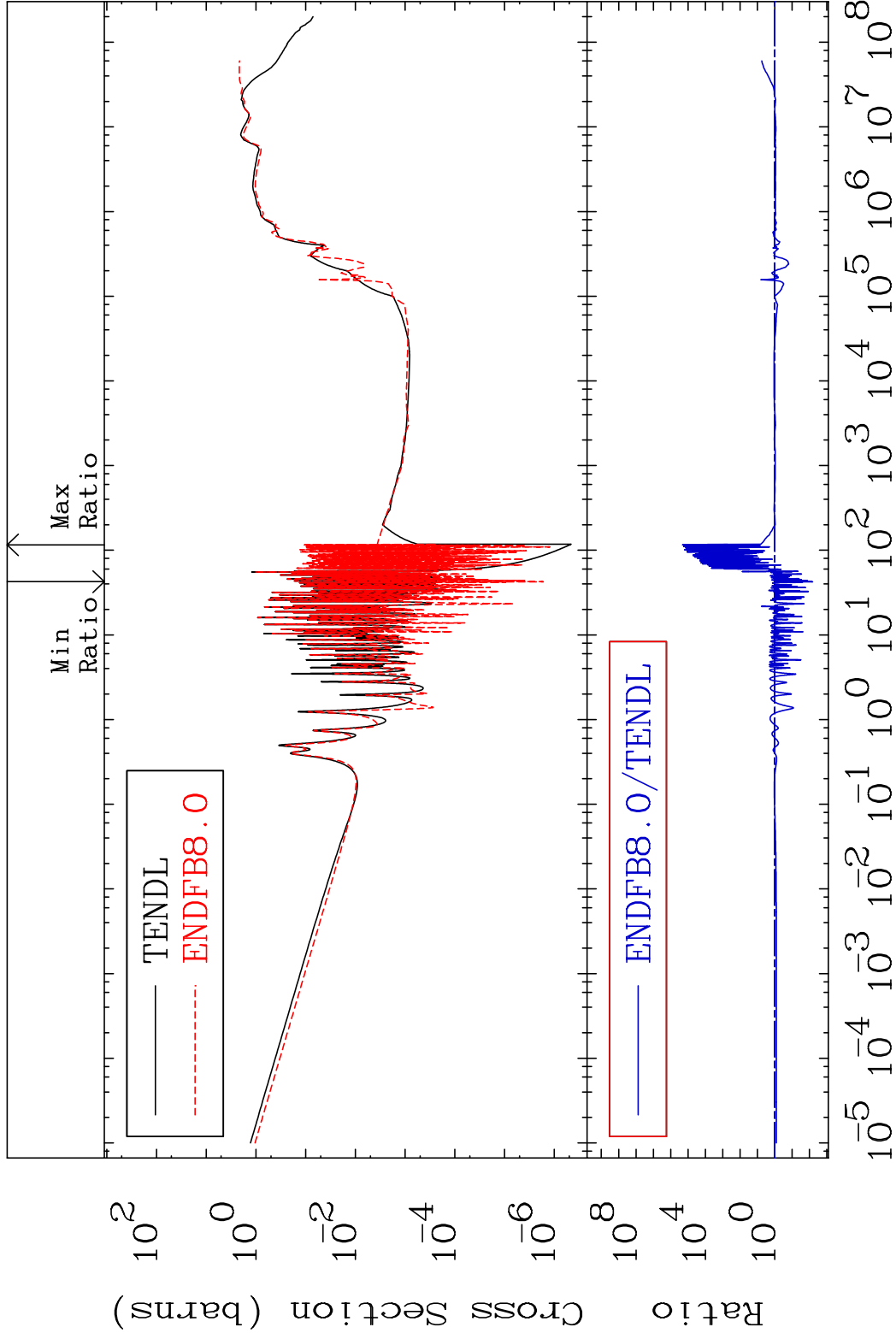
Incident Energy (eV)

91-Pa-231

MAT 9131

Fission 91-Pa-231

Cross Section -99.33 To 9999. %



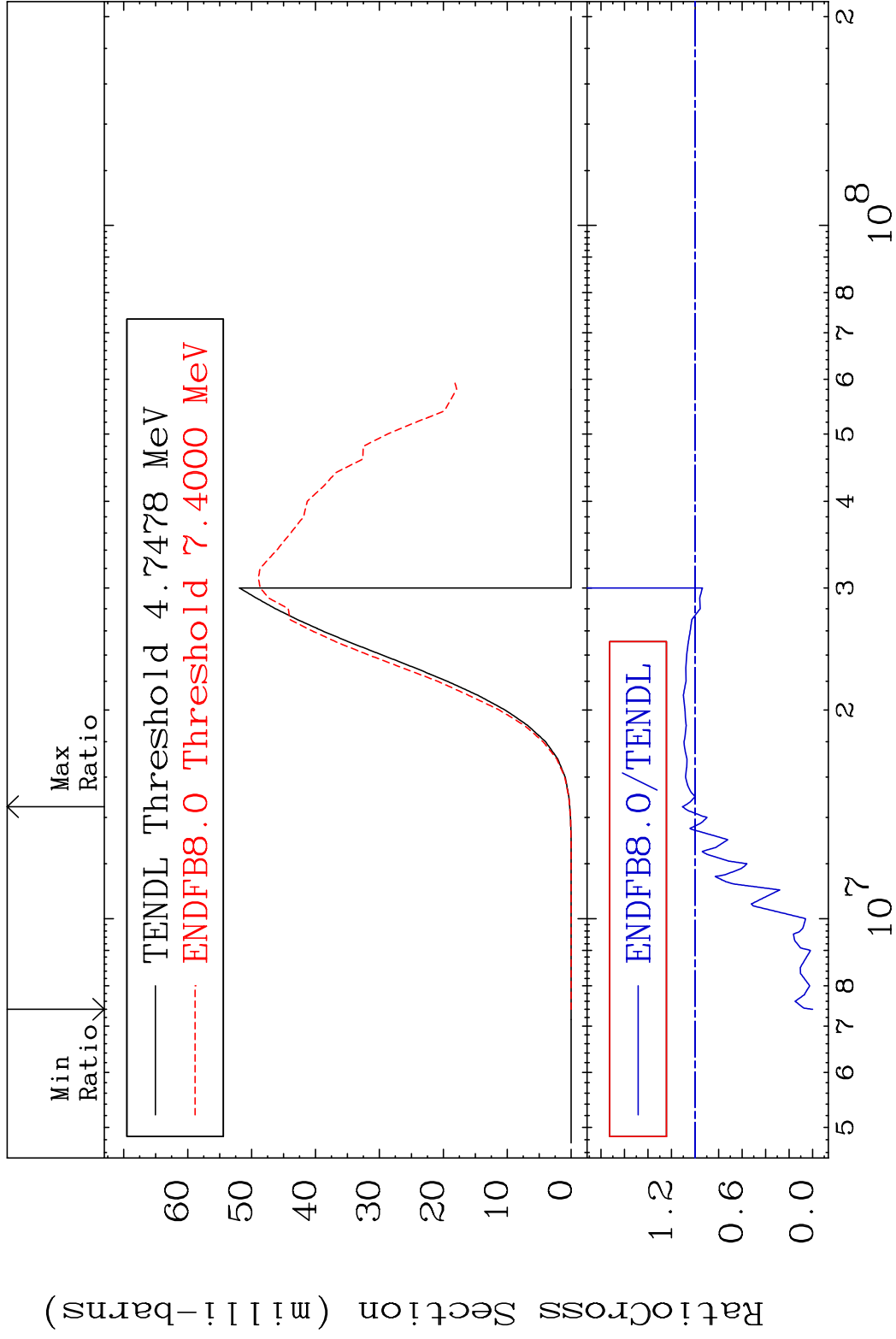
7 Incident Energy (eV) 91-Pa-231

MAT 9131

(n, n') p

91-Pa-231

Cross Section -100.0 To 10.81 %



8

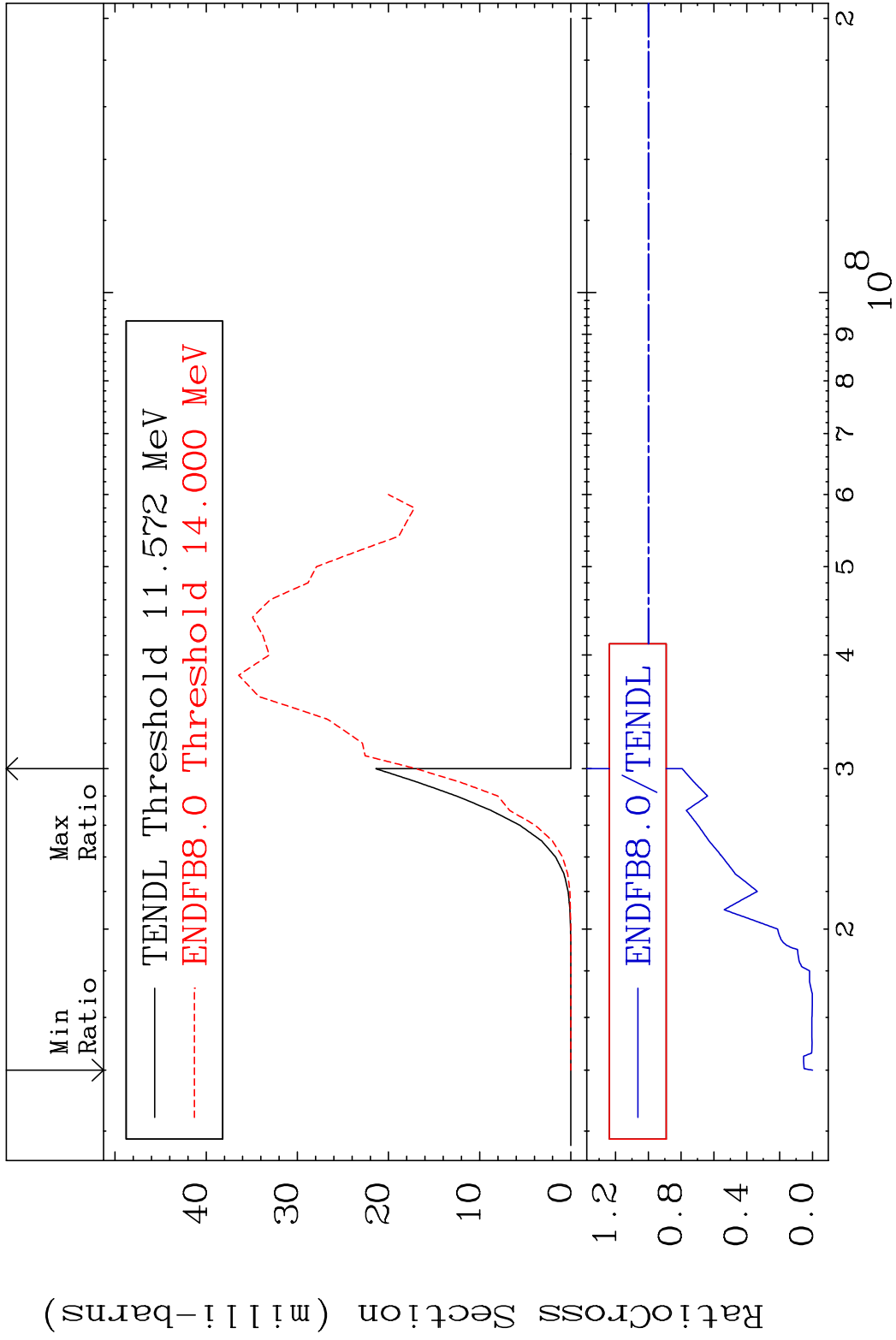
Incident Energy (eV)

91-Pa-231

MAT 9131

(n,2n) p 91-Pa-231

Cross Section -100.0 To -20.61%

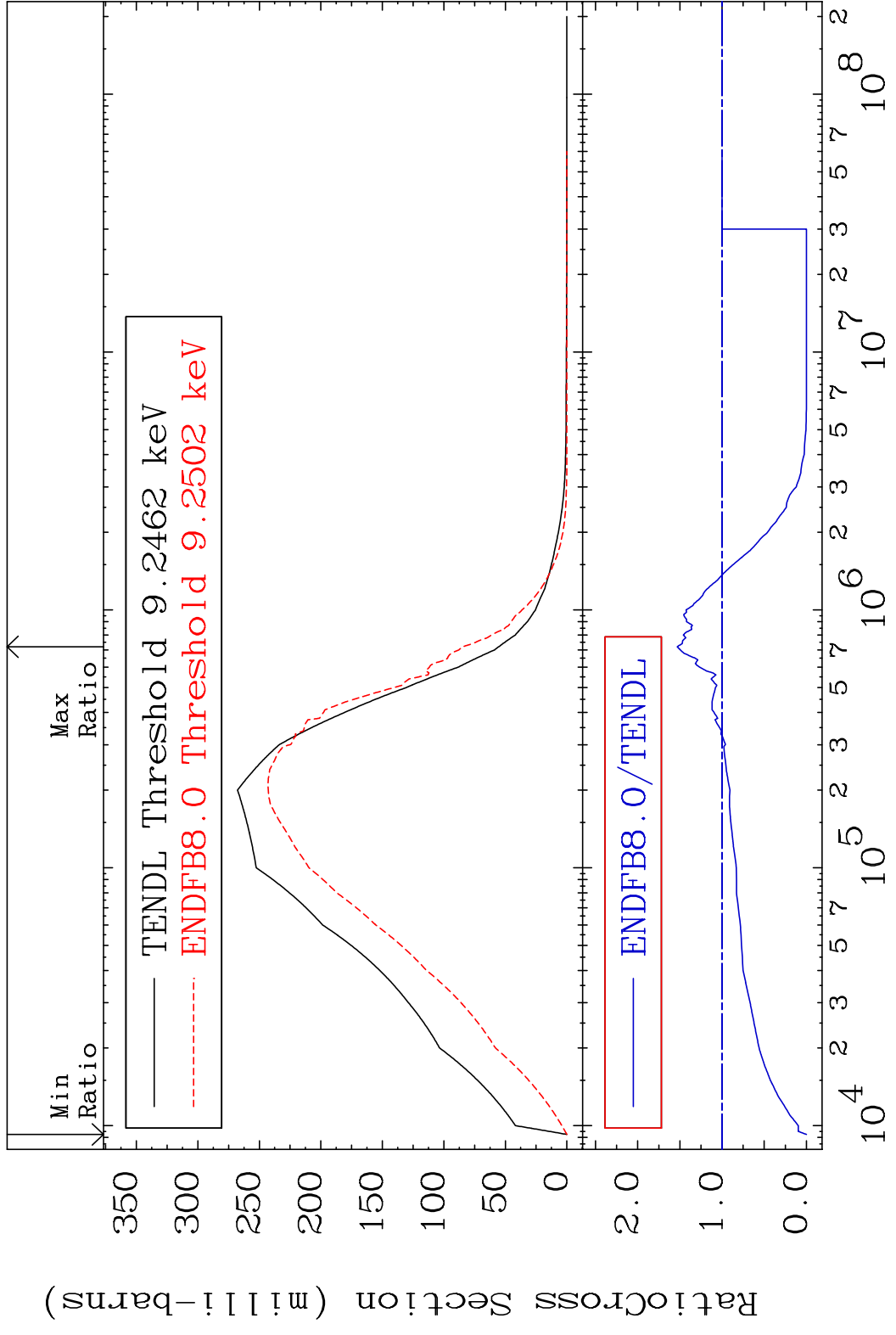


9

Incident Energy (eV)

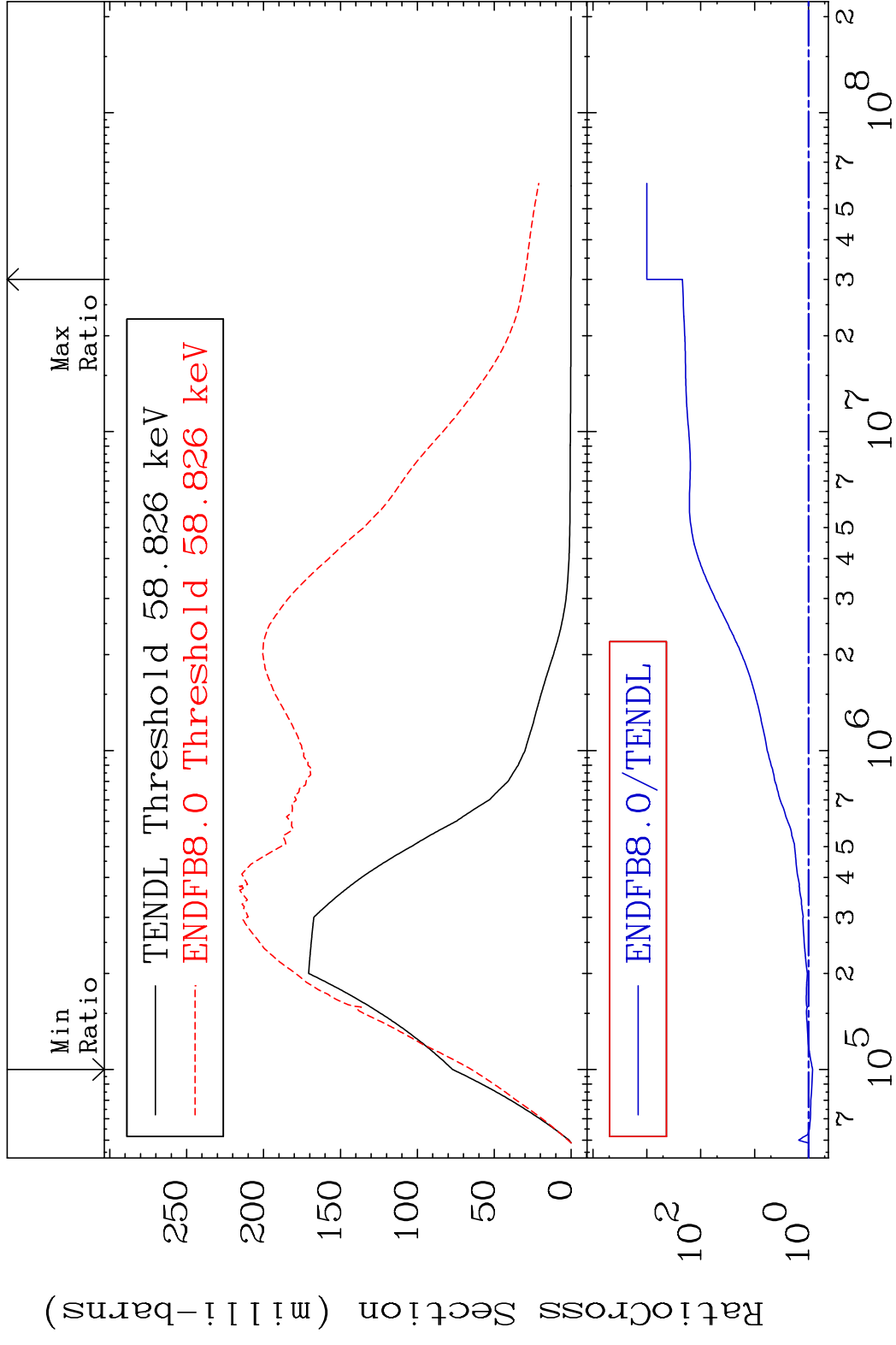
91-Pa-231

MAT 9131 MT= 51 (n, n') Level 91-Pa-231
 Cross Section -100.0 To 53.19 %

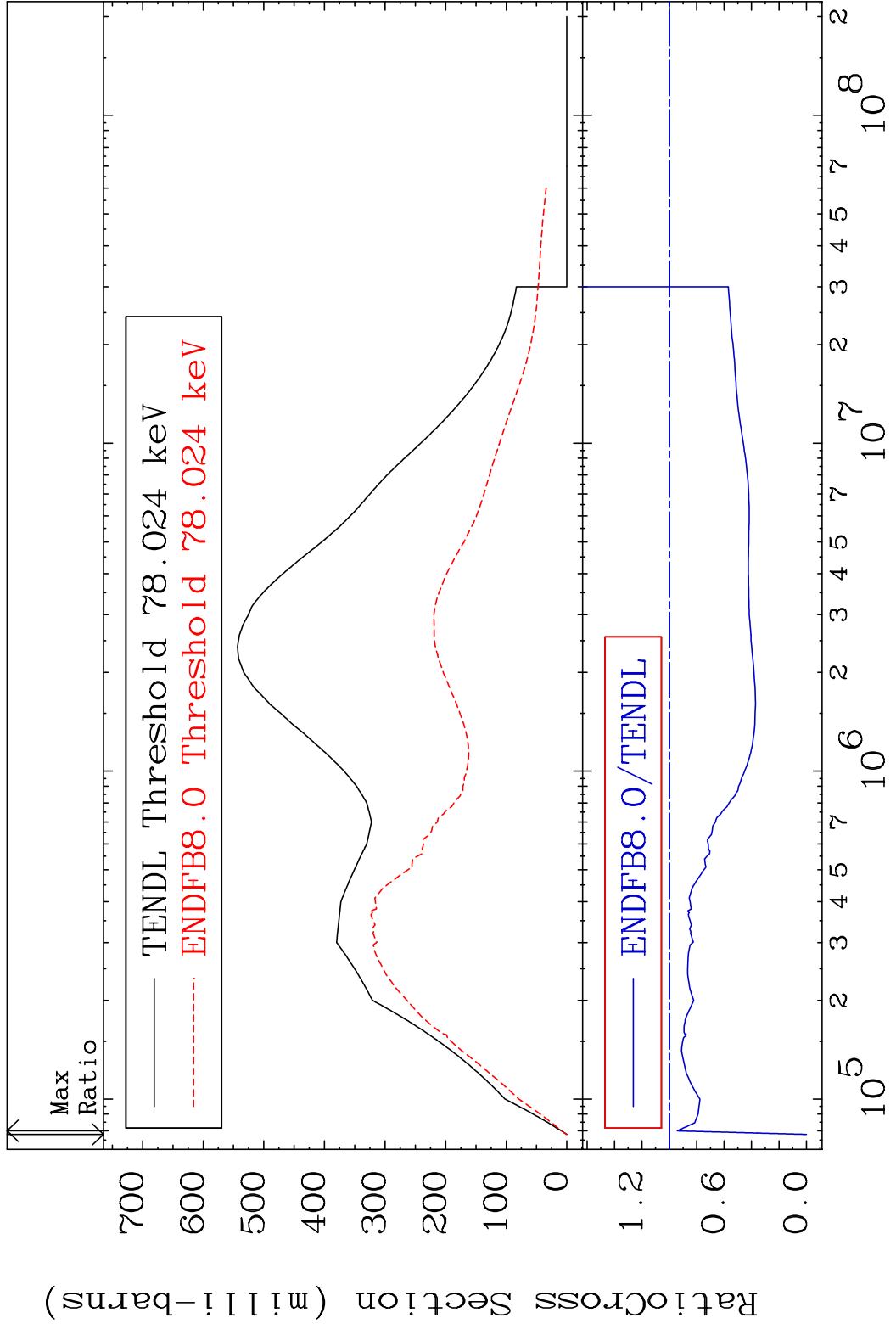


10 2 3 5 7 10⁴ 2 3 5 7 10⁵ 2 3 5 7 10⁶ 2 3 5 7 10⁷ 2 3 5 7 10⁸ 2
 91-Pa-231

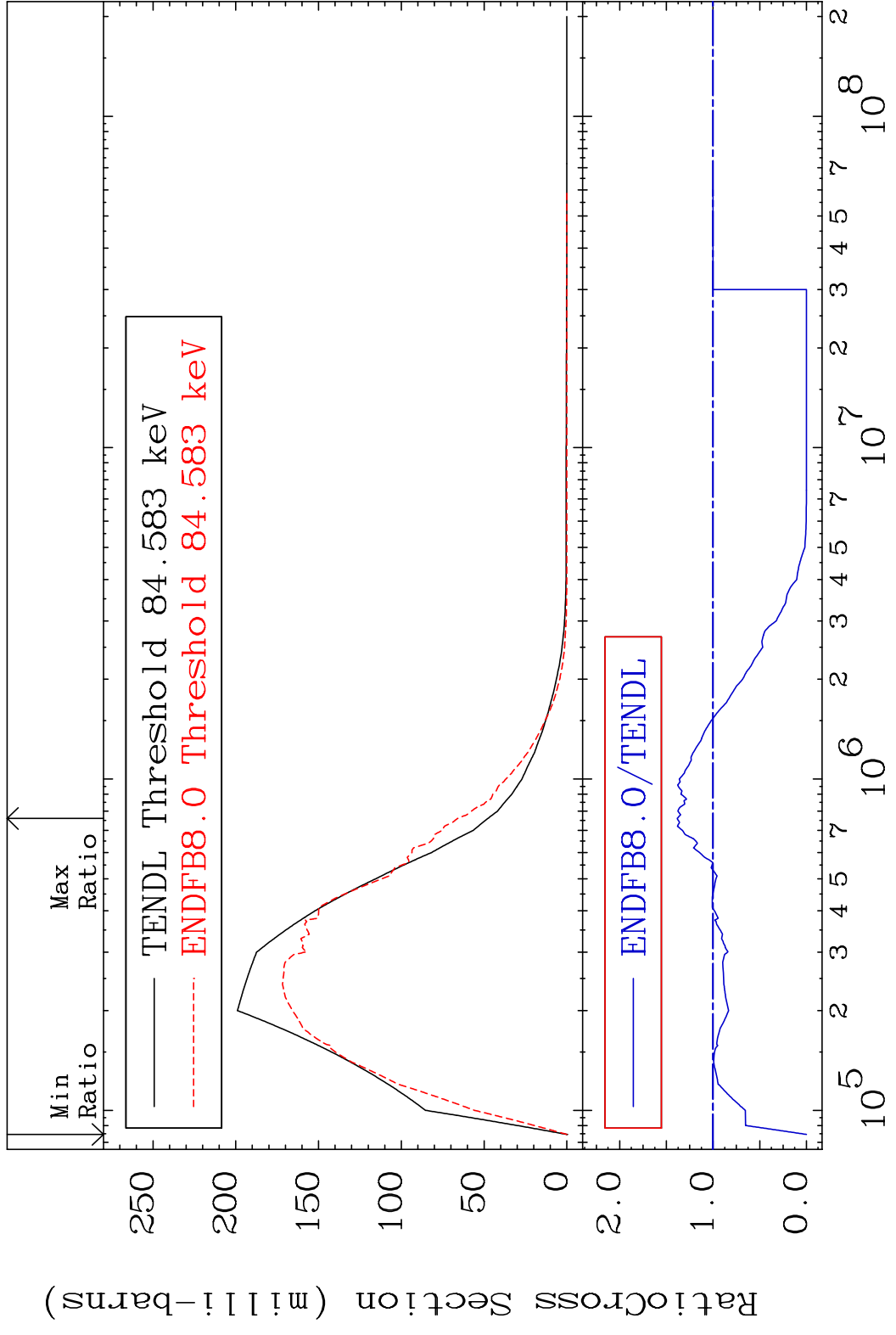
MAT 9131 MT= 52 (n, n') Level 91-Pa-231
 Cross Section -15.89 To 9999. %



MAT 9131 MT= 53 (n,n') Level 91-Pa-231
 Cross Section -100.0 To -5.748%

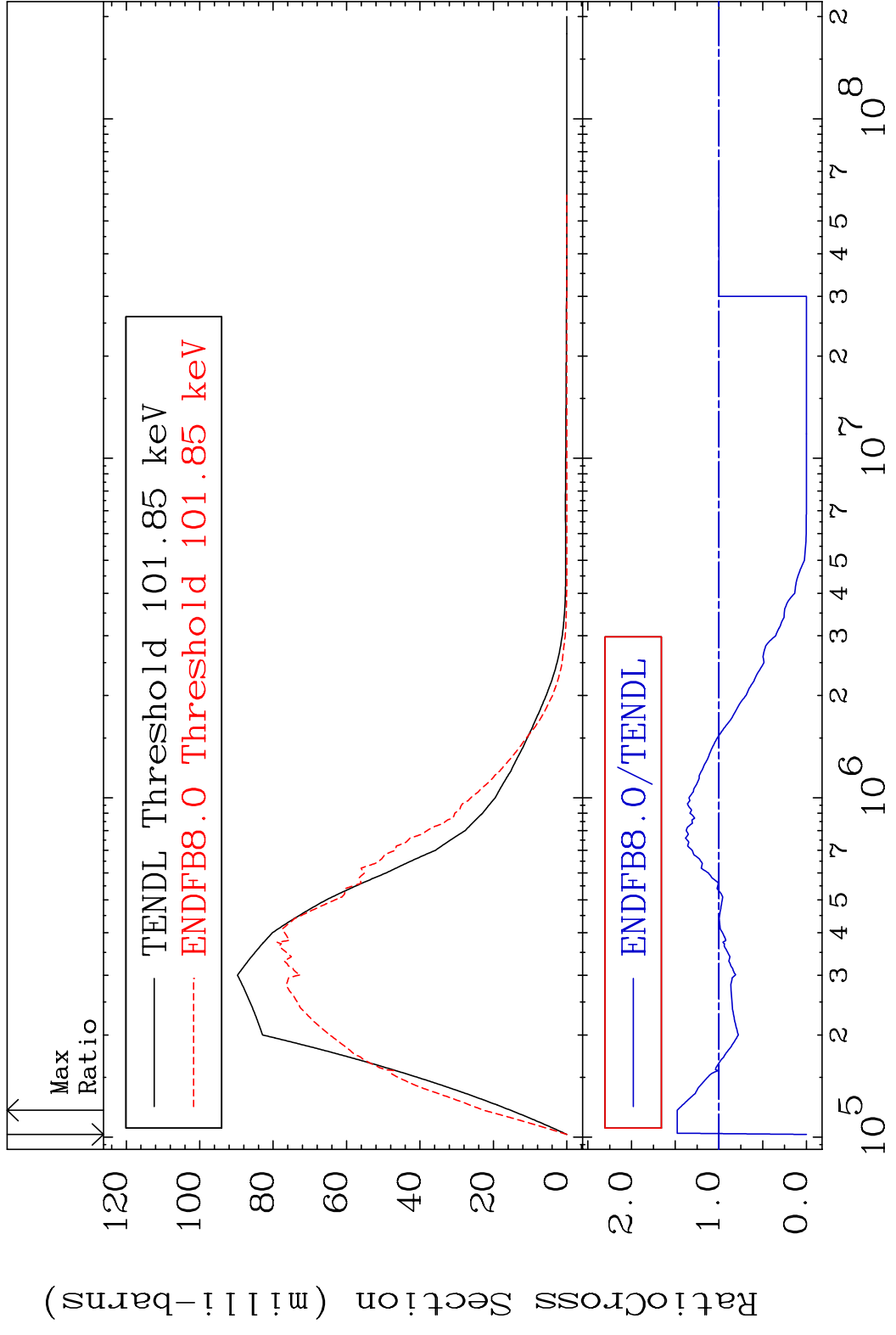


MAT 9131 MT= 54 (n,n') Level 91-Pa-231
 Cross Section -100.0 To 38.43 %



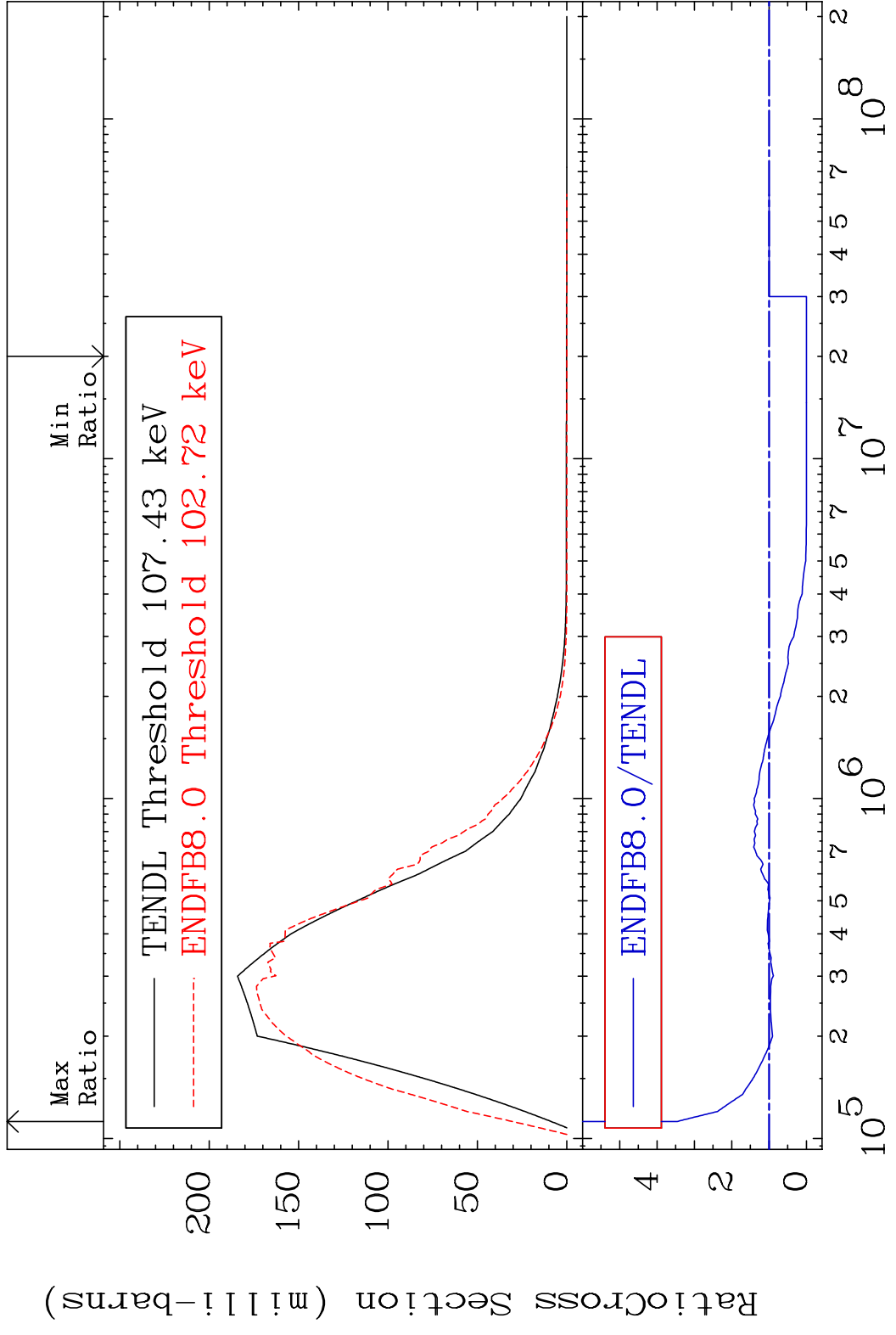
13 Incident Energy (eV) 91-Pa-231

MAT 9131 MT= 55 (n,n') Level 91-Pa-231
 Cross Section -100.0 To 47.78 %



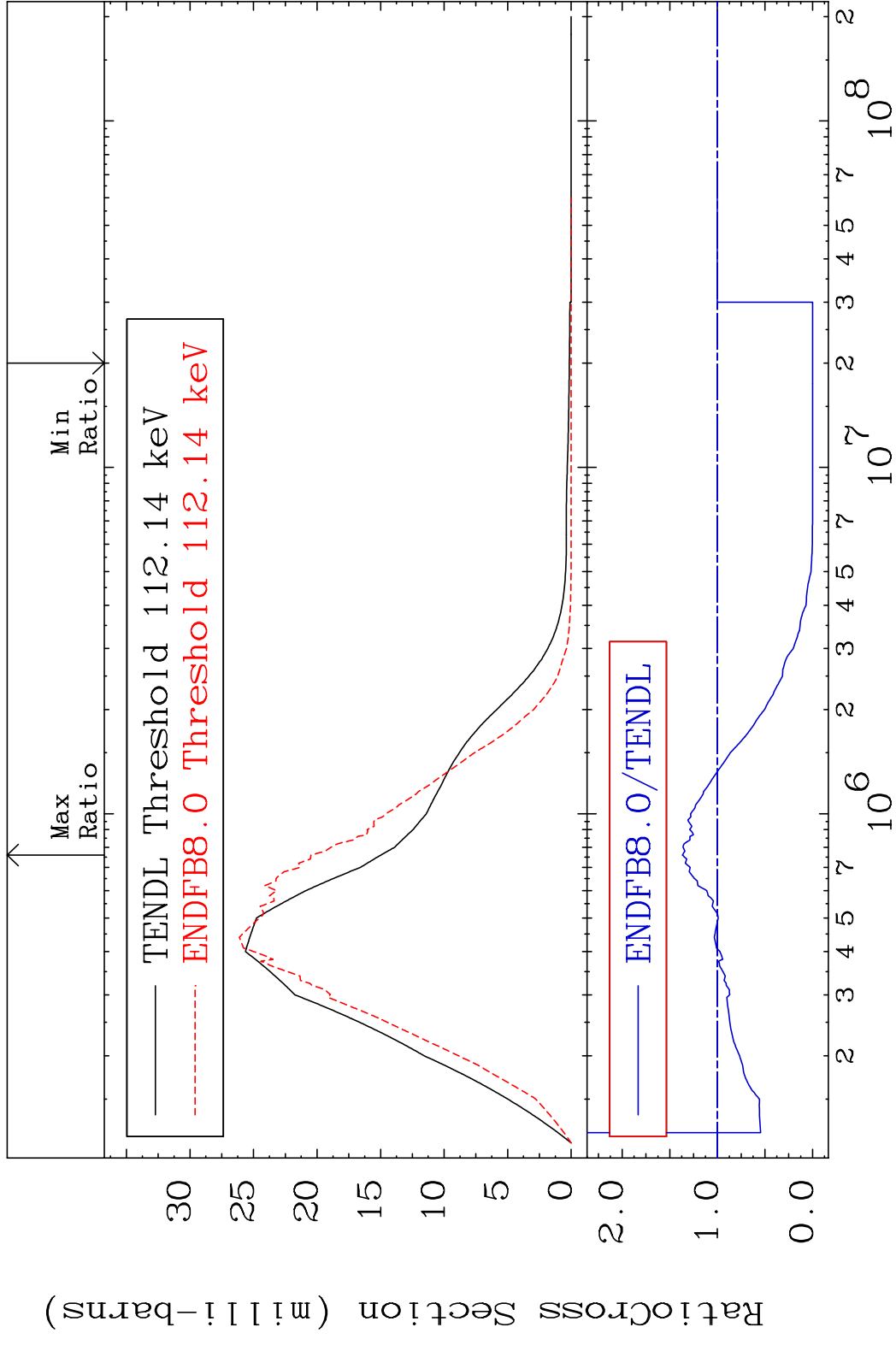
14 91-Pa-231

MAT 9131 MT= 56 (n, n') Level 91-Pa-231
 Cross Section -100.0 To 245.9 %

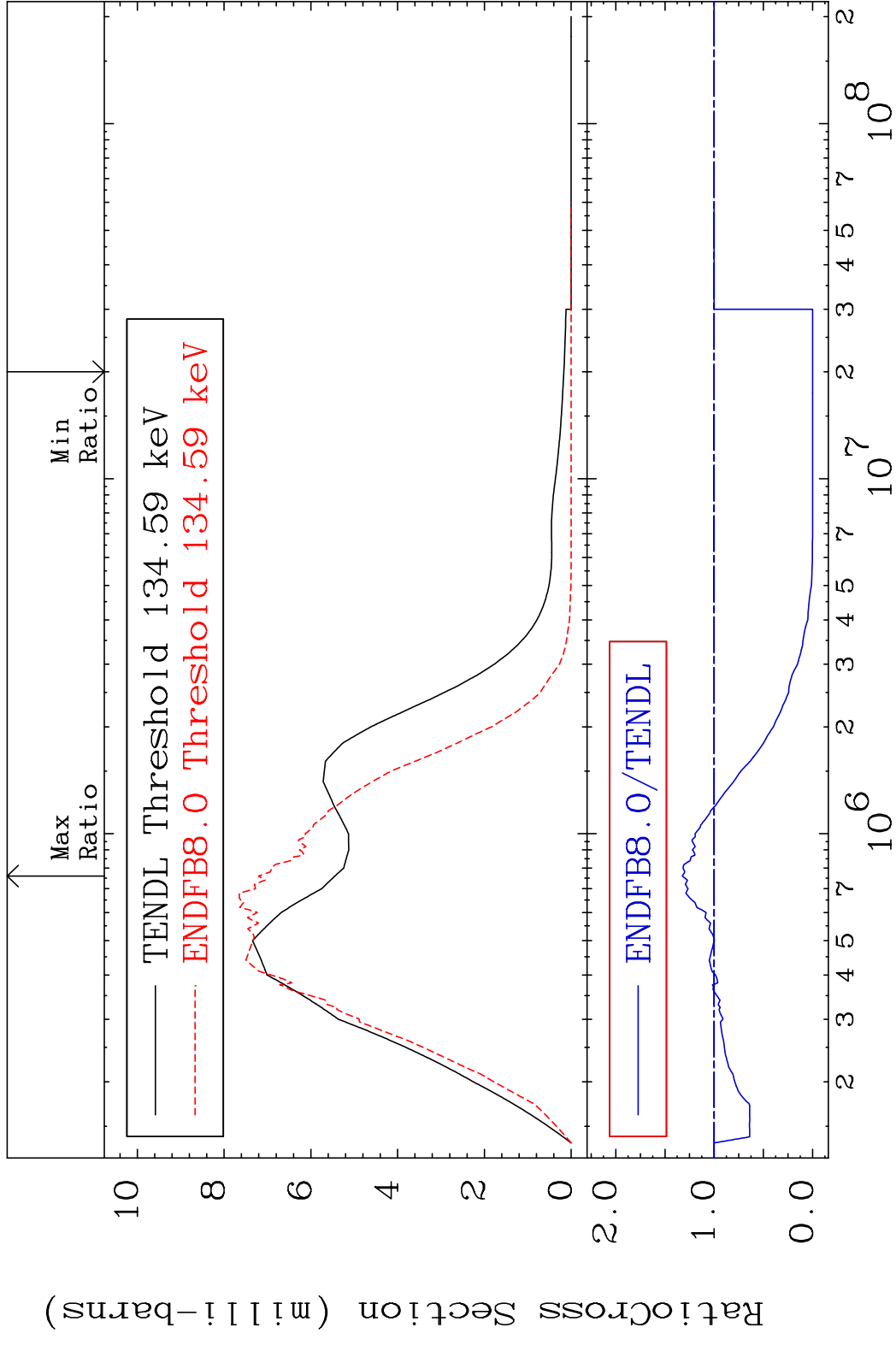


15 15 Incident Energy (eV) 91-Pa-231

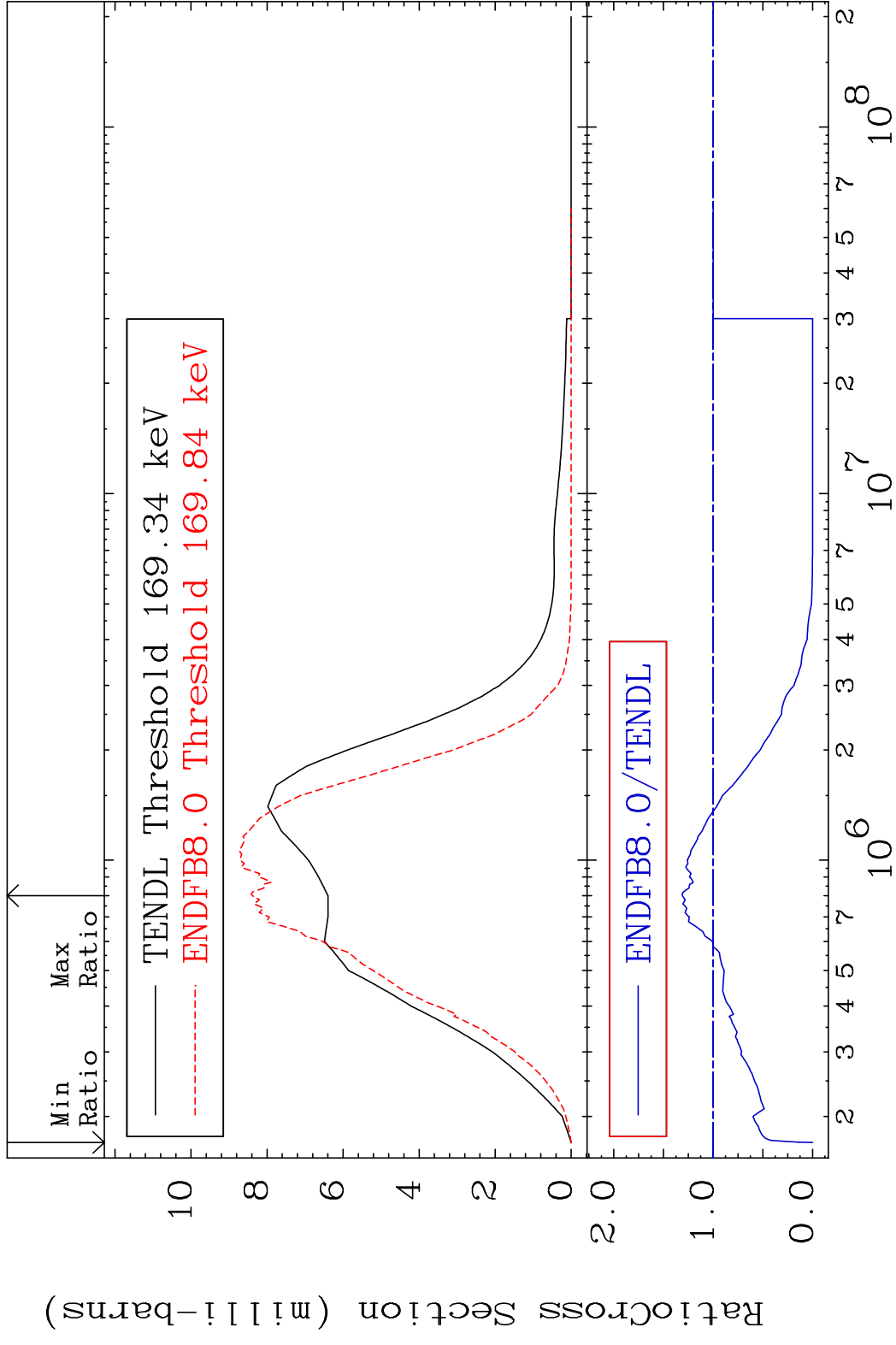
MAT 9131 MT= 57 (n, n') Level 91-Pa-231
 Cross Section -100.0 To 36.78 %



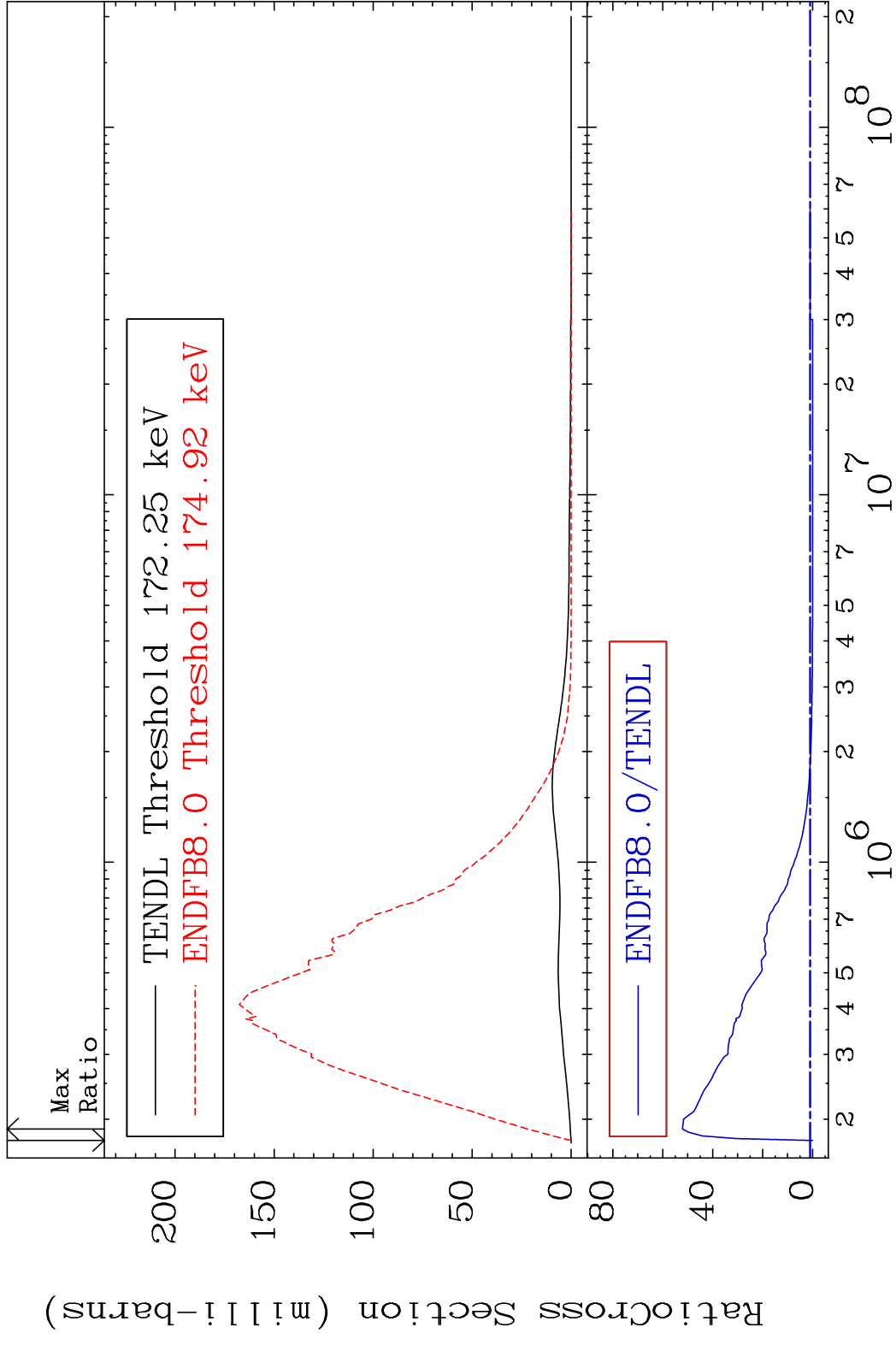
MAT 9131 MT= 58 (n, n') Level 91-Pa-231
 Cross Section -100.0 To 32.31 %



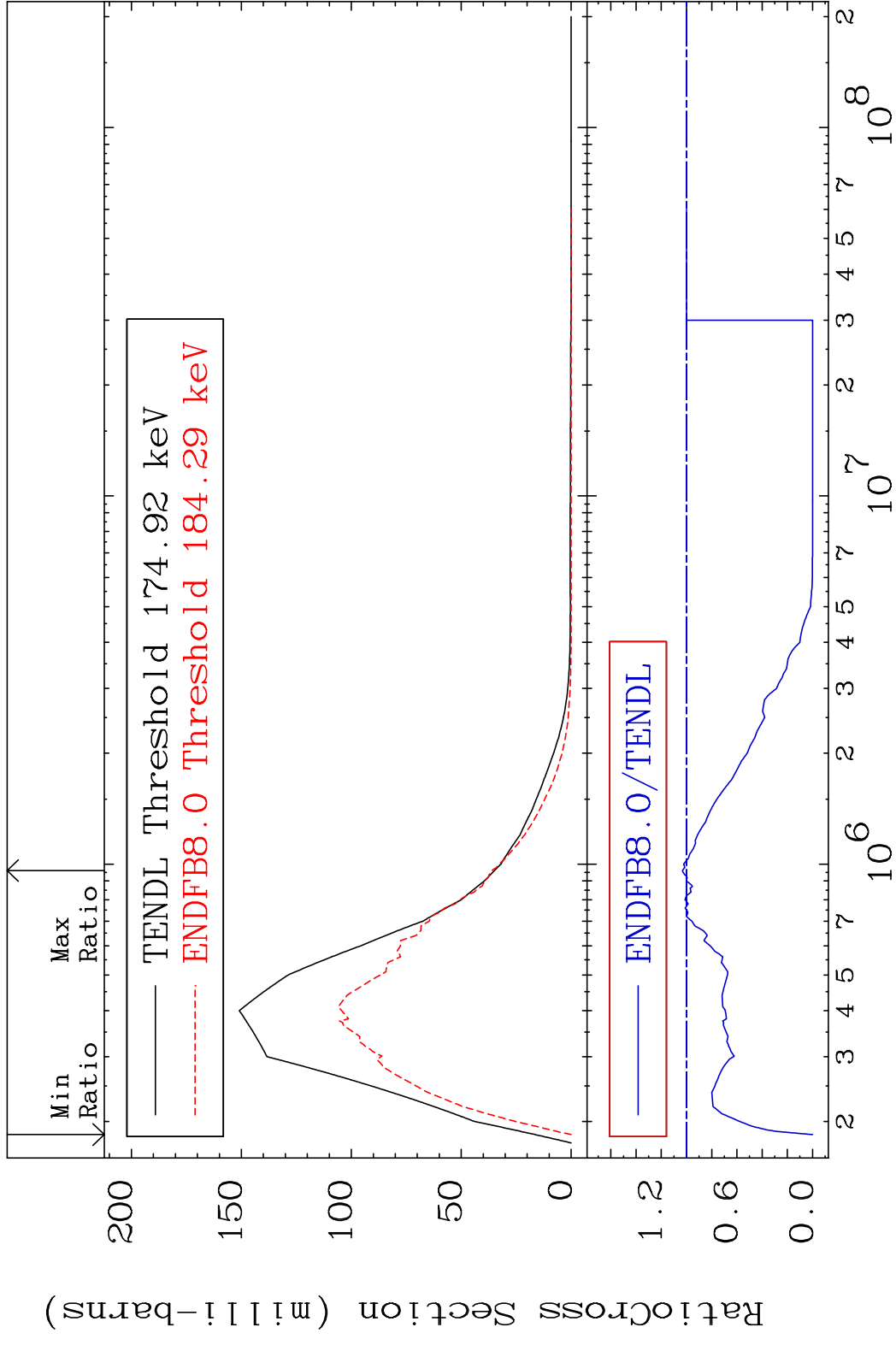
MAT 9131 MT= 59 (n,n') Level 91-Pa-231
 Cross Section -100.0 To 31.00 %



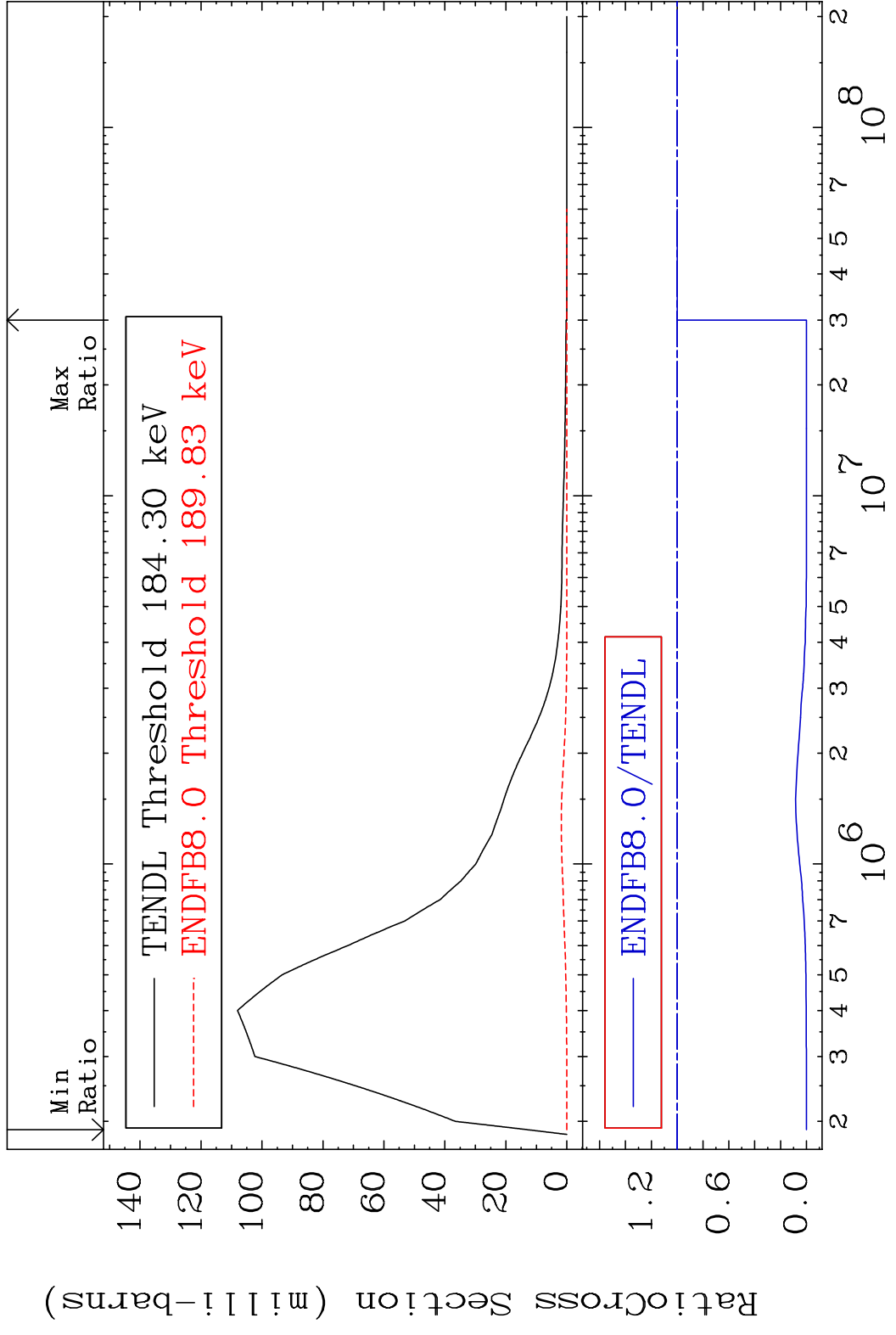
MAT 9131 MT= 60 (n, n') Level 91-Pa-231
 Cross Section -100.0 To 5114. %



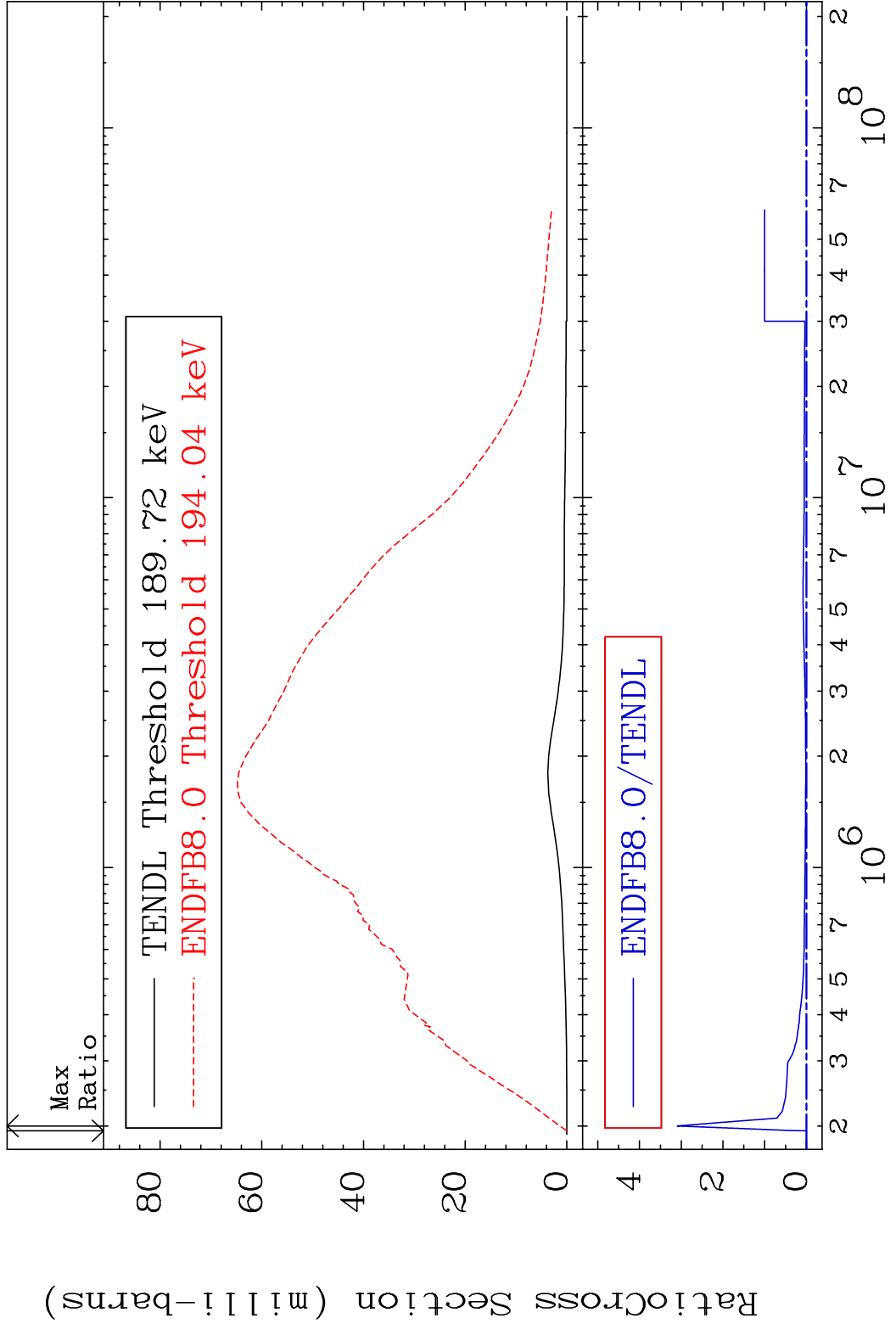
MAT 9131 MT= 61 (n, n') Level 91-Pa-231
 Cross Section -100.0 To 3.275 %



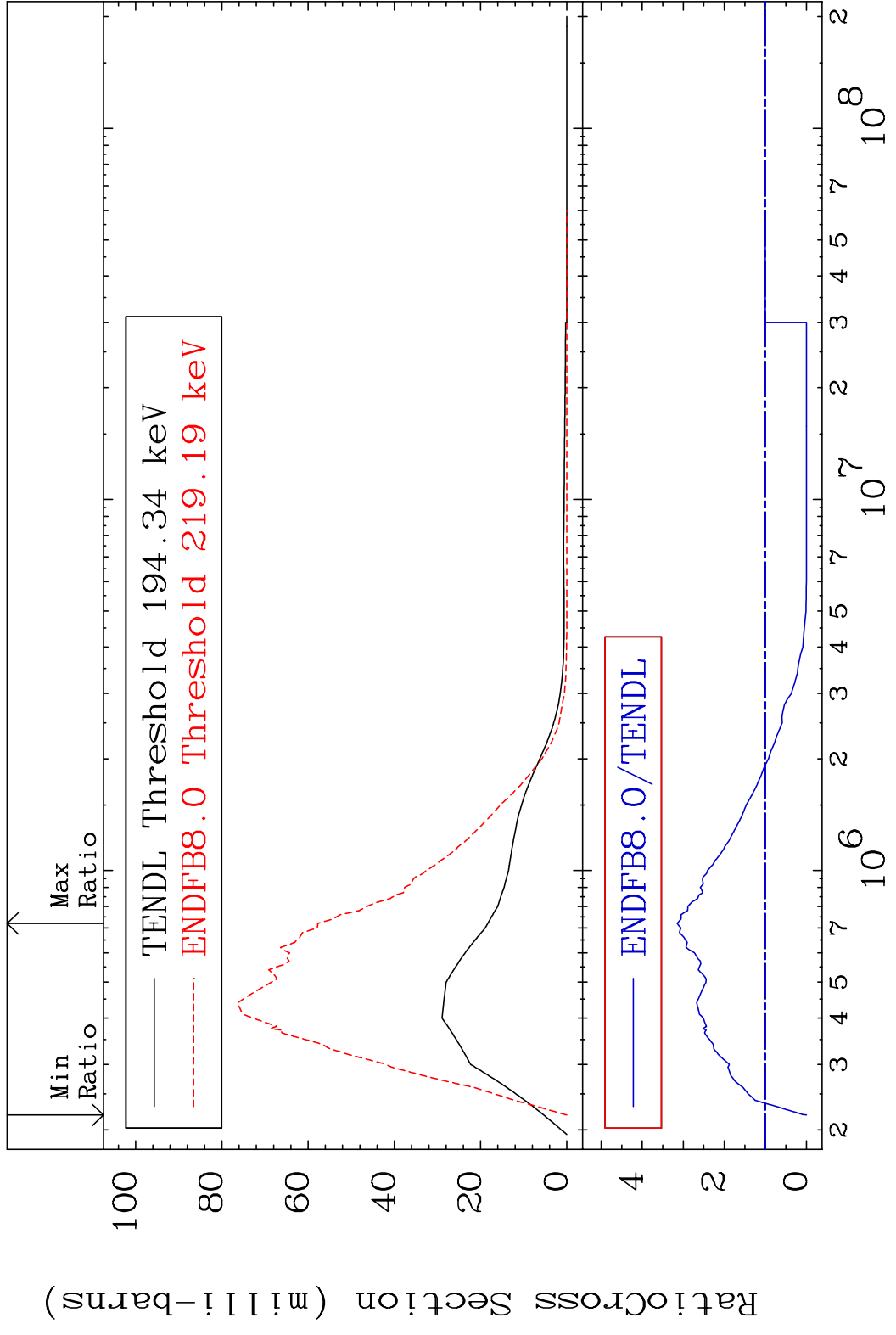
MAT 9131 MT= 62 (n,n') Level 91-Pa-231
 Cross Section -100.0 To 0.000 %



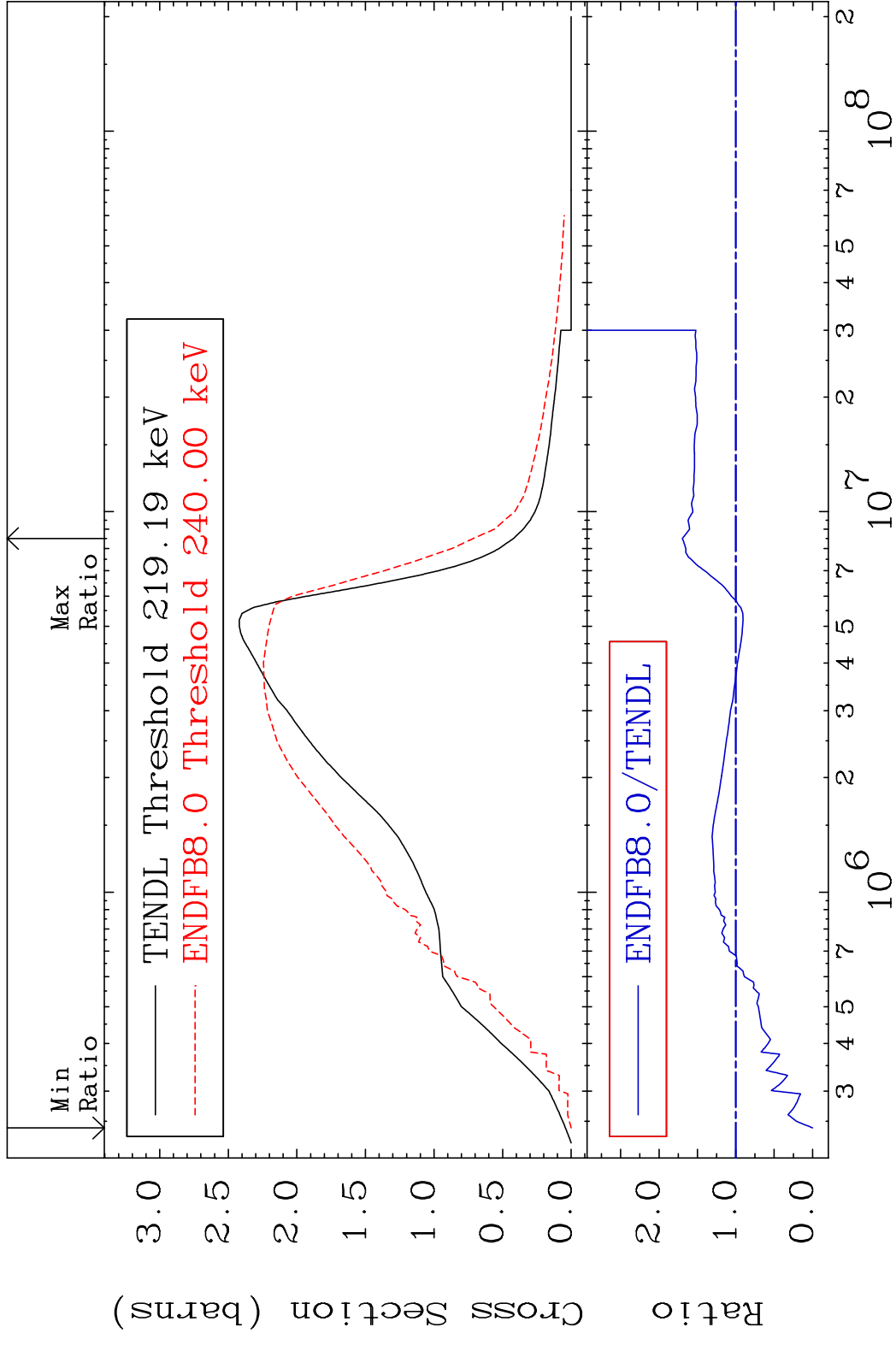
MAT 9131 MT= 63 (n,n') Level 91-Pa-231
 Cross Section -100.0 To 9999. %



MAT 9131 MT= 64 (n, n') Level 91-Pa-231
 Cross Section -100.0 To 214.8 %



MAT 9131 (n, n') Continuum 91-Pa-231
 Cross Section -100.0 To 69.60 %

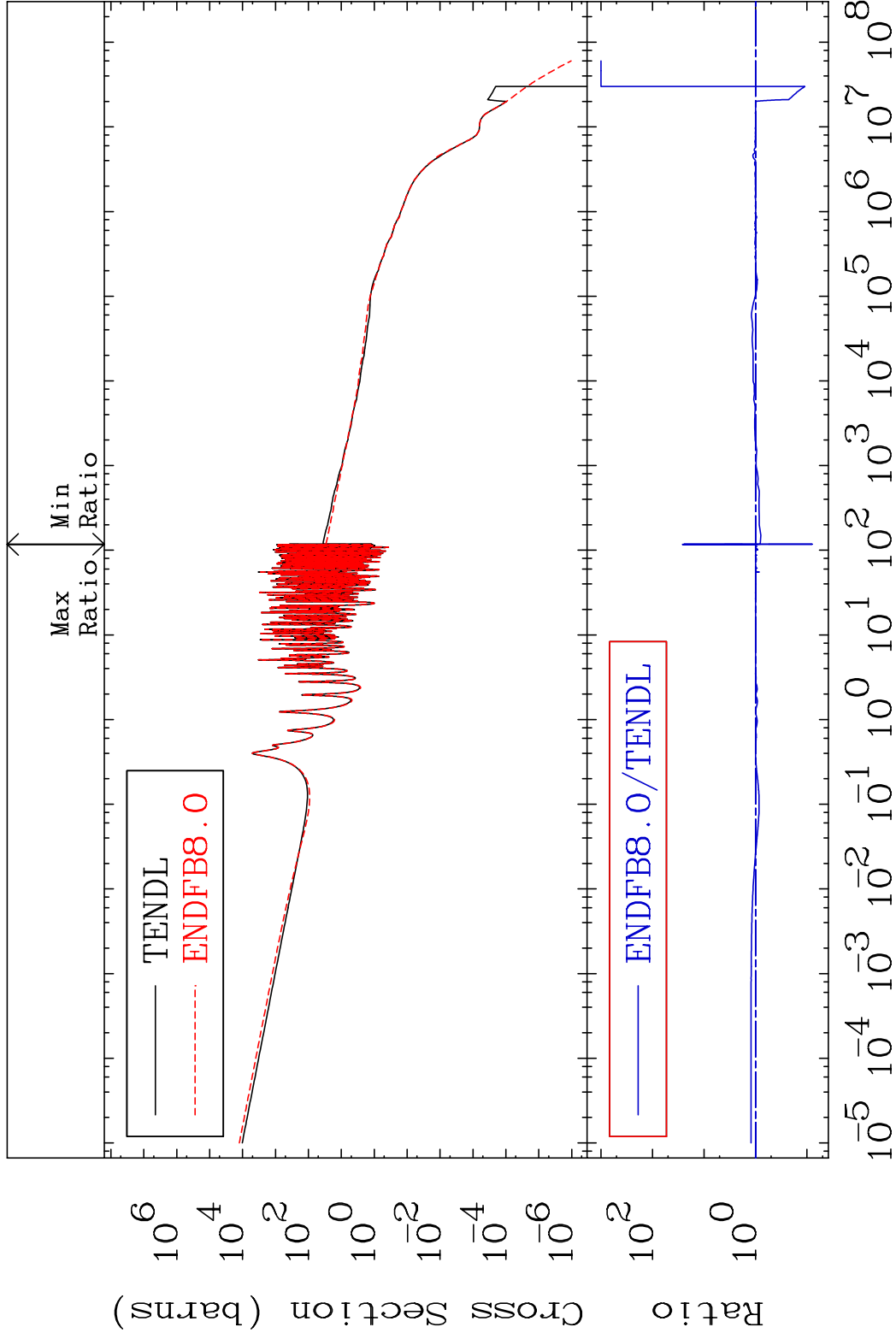


MAT 9131

(n, γ)

91-Pa-231

Cross Section -92.19 To 2525. %



25

Incident Energy (eV)

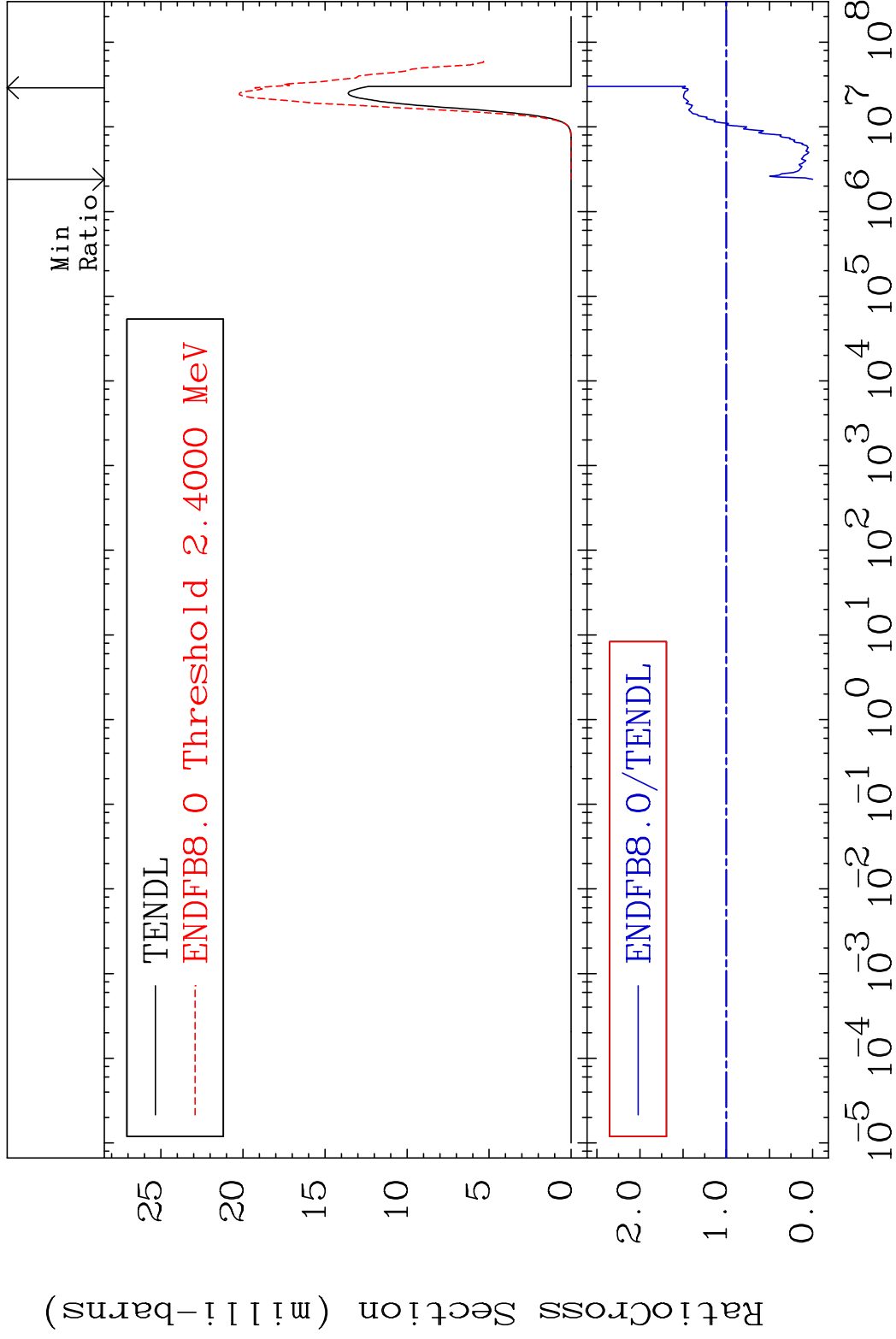
91-Pa-231

MAT 9131

(n, p)

91-Pa-231

Cross Section -100.0 To 50.92 %



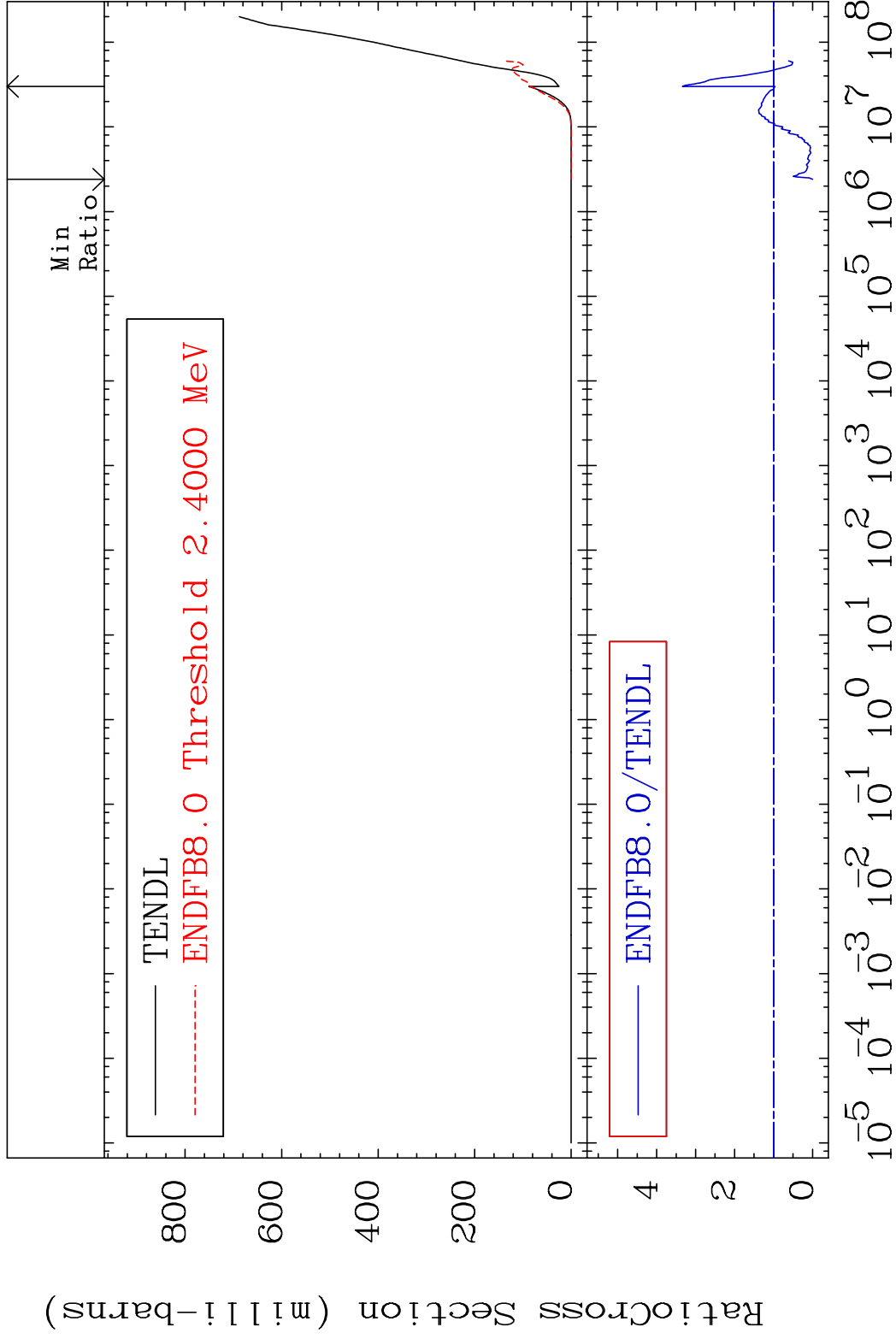
26

Incident Energy (eV)

91-Pa-231

MAT 9131

Hydrogen Production 91-Pa-231
Cross Section -100.0 To 234.0 %



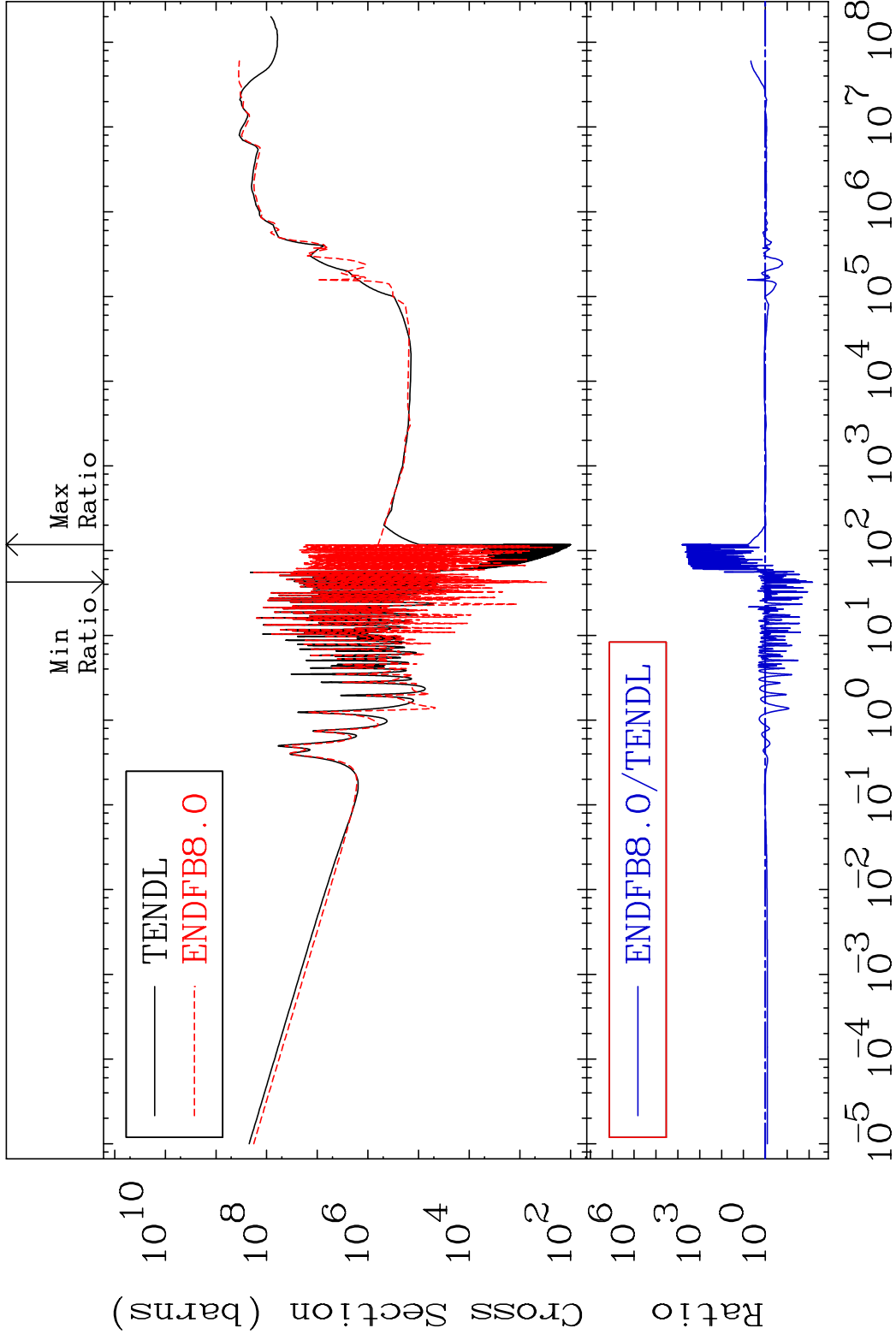
27

Incident Energy (eV)

91-Pa-231

MAT 9131

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



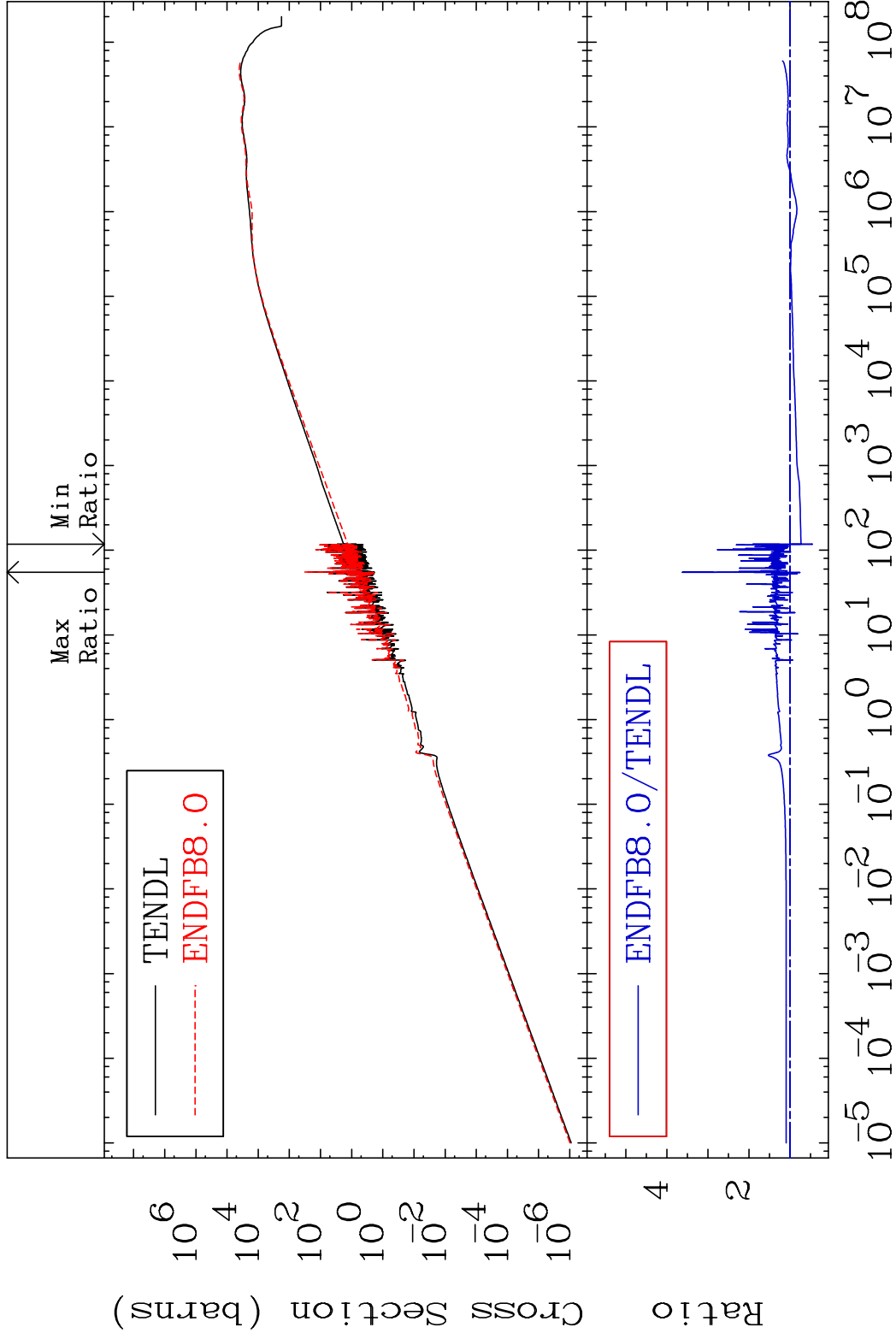
28

Incident Energy (eV) 91-Pa-231

MAT 9131

Kerma elastic
Cross Section -54.60 To 262.3 %

91-Pa-231

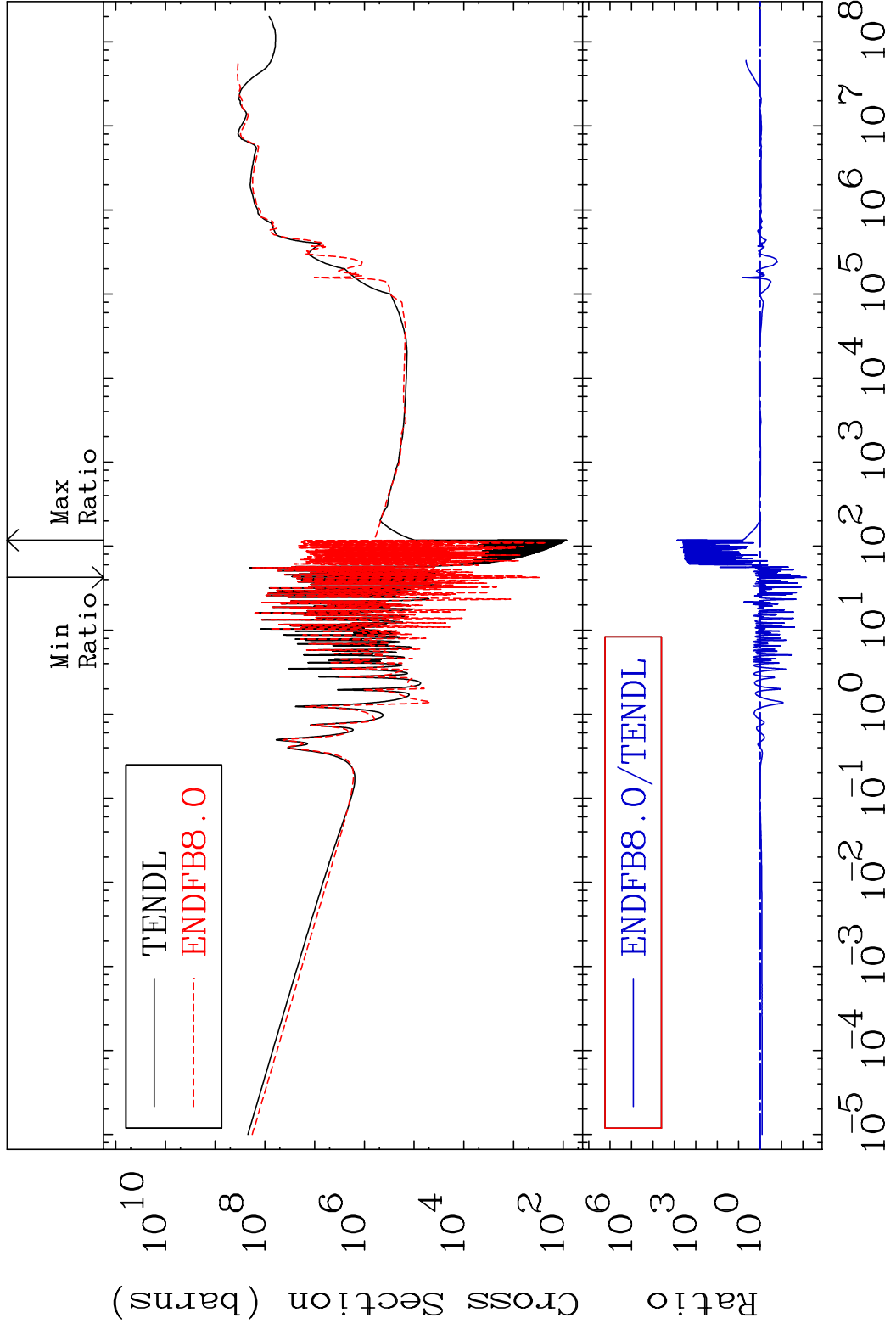


29

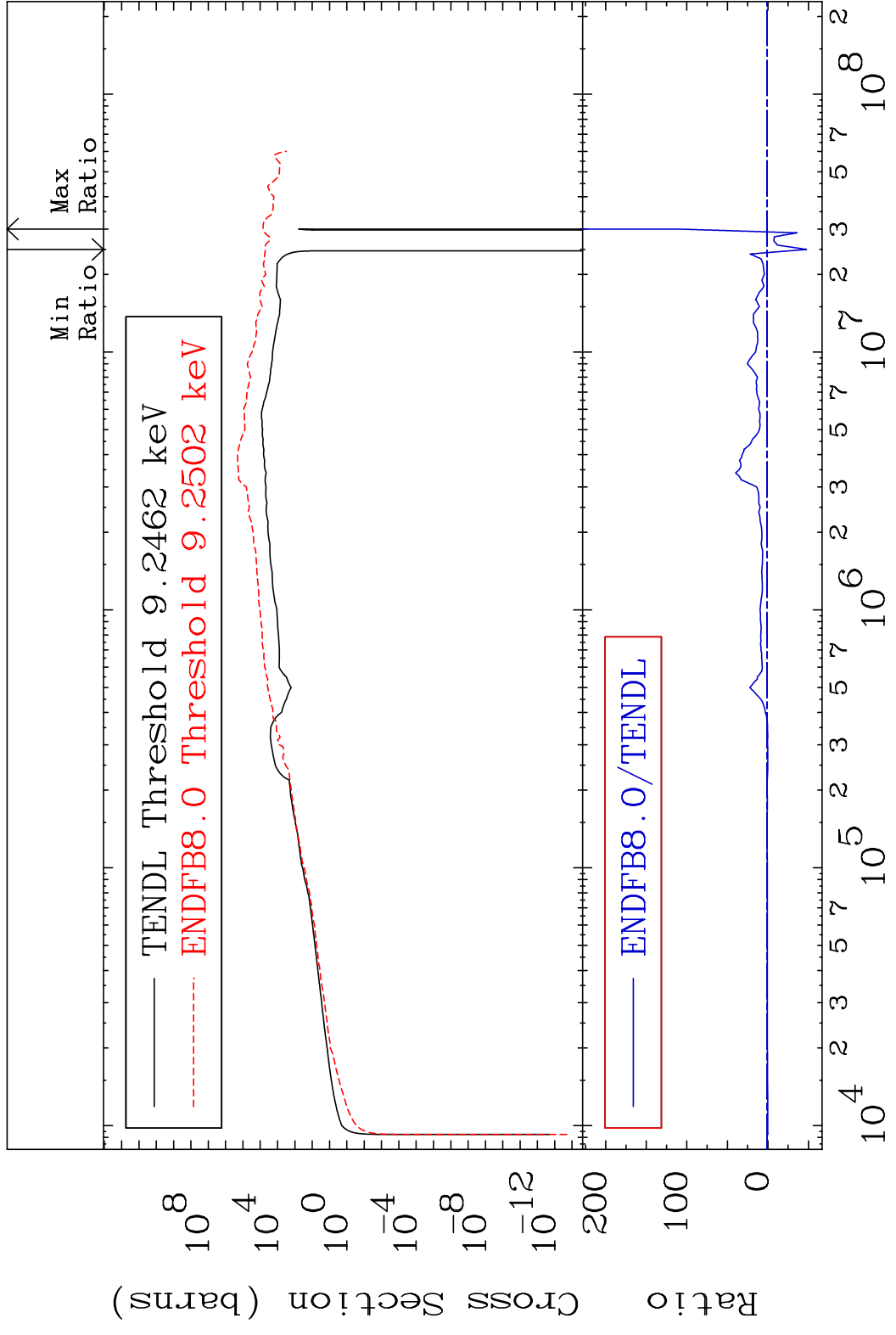
Incident Energy (eV)

91-Pa-231

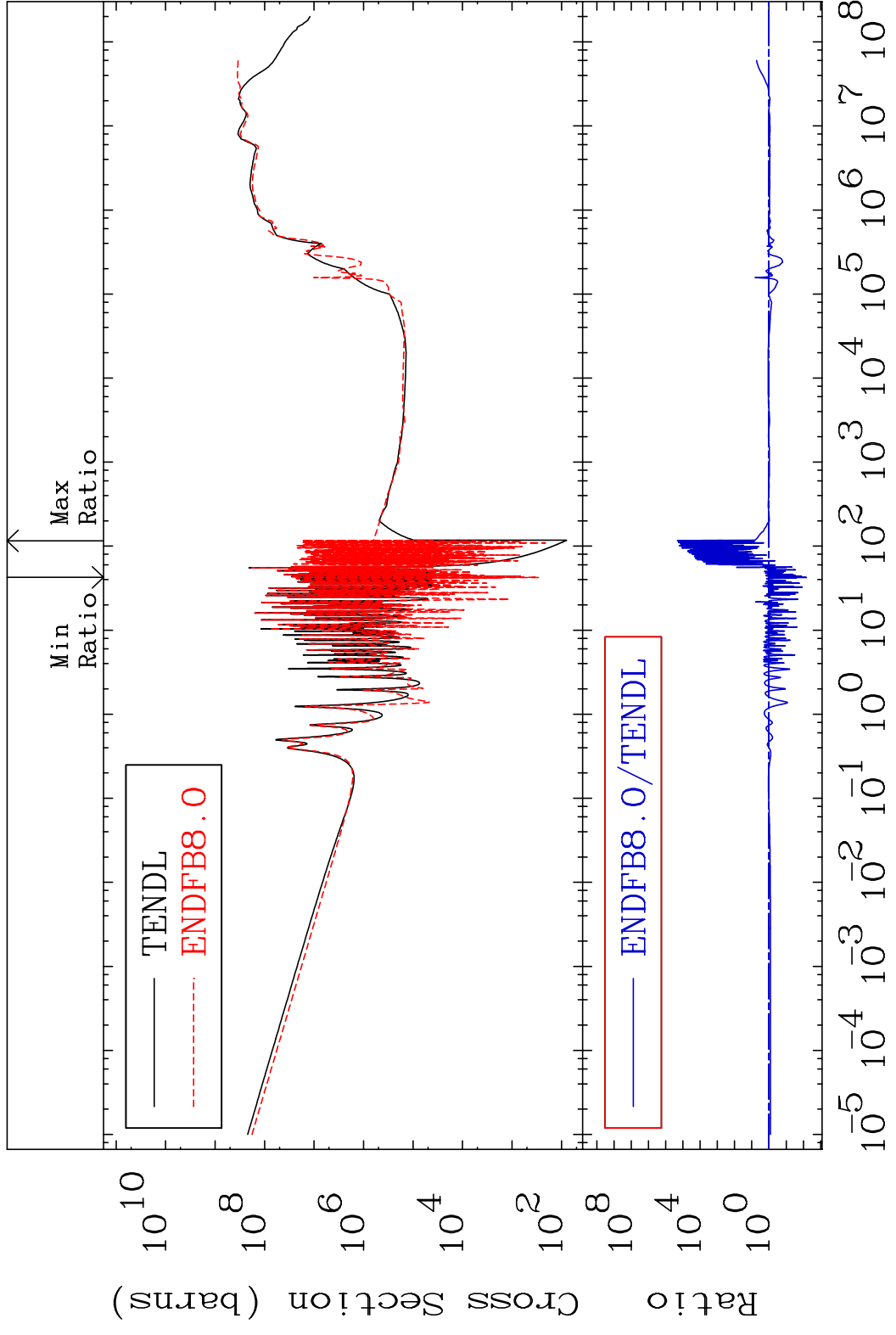
MAT 9131 Kerma non-elastic (all but mt2) 91-Pa-231
 Cross Section -99.31 To 9999. %



MAT 9131 Kerma inelastic (mt51-91) 91-Pa-231
 Cross Section -4849. To 9999. %

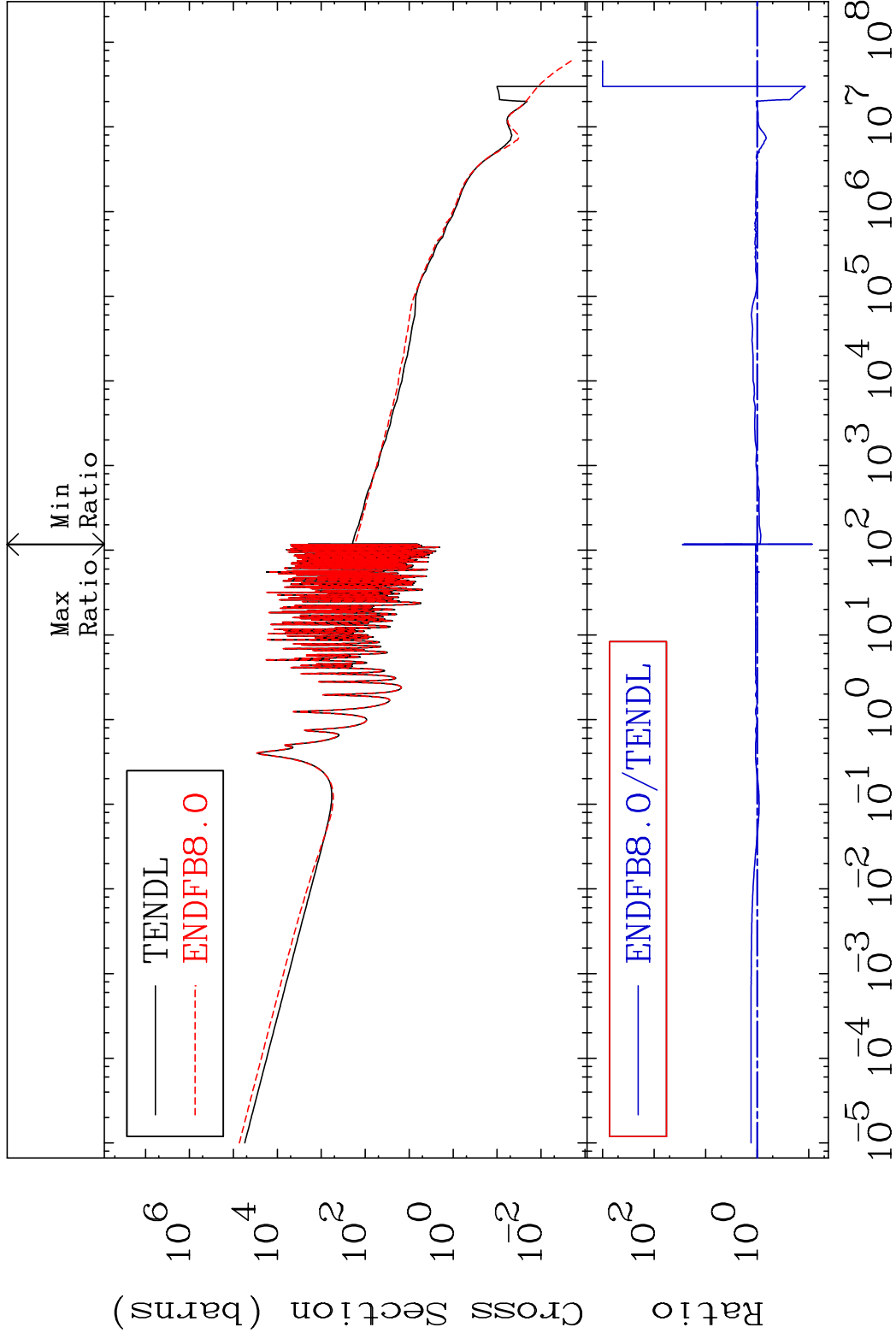


MAT 9131 Kerma fission (mt18 or mt19-20-21-38) 91-Pa-231
 Cross Section -99.33 To 9999. %



MAT 9131

Kerma capture (mt102) 91-Pa-231
Cross Section -91.55 To 2741. %



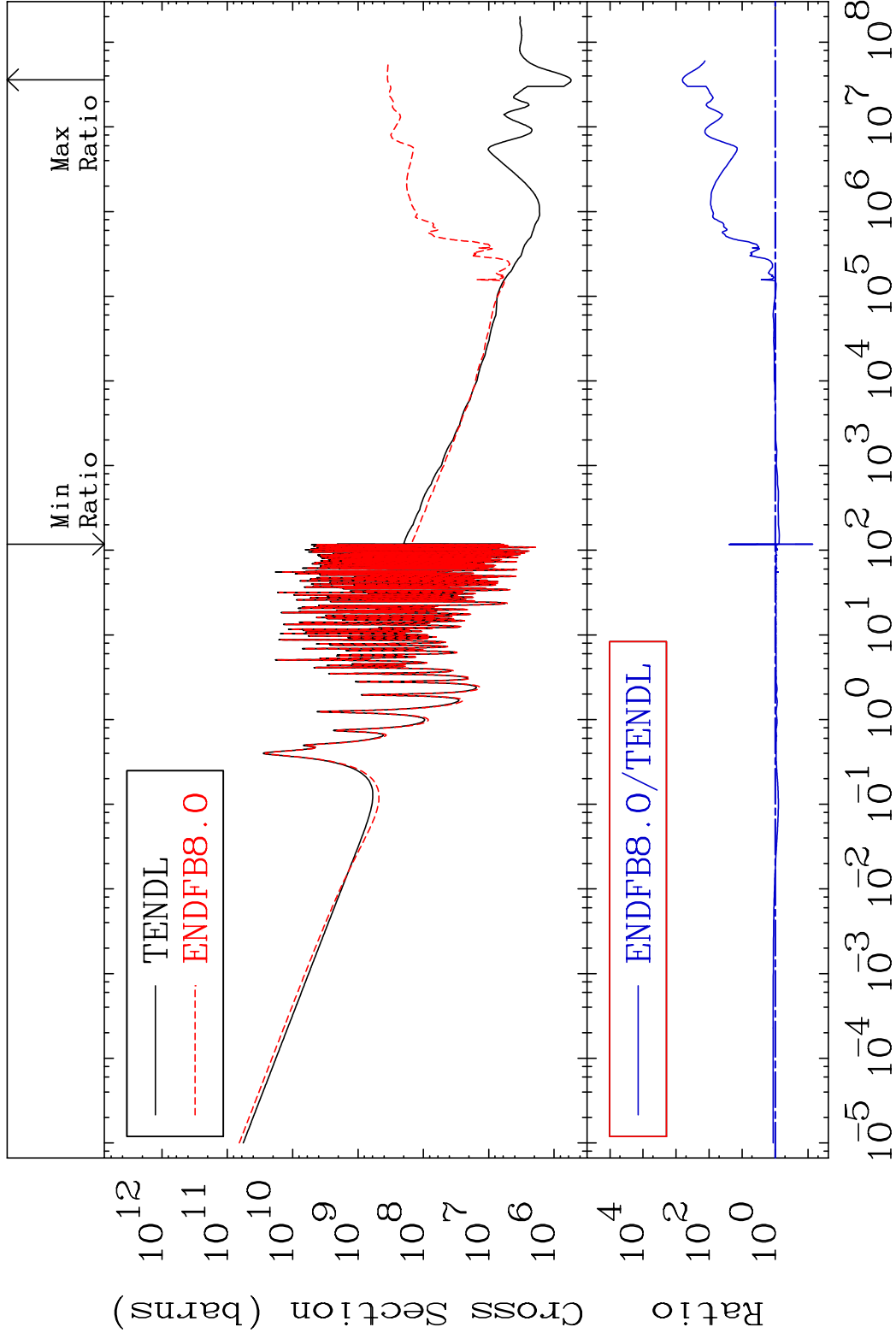
33

Incident Energy (eV)

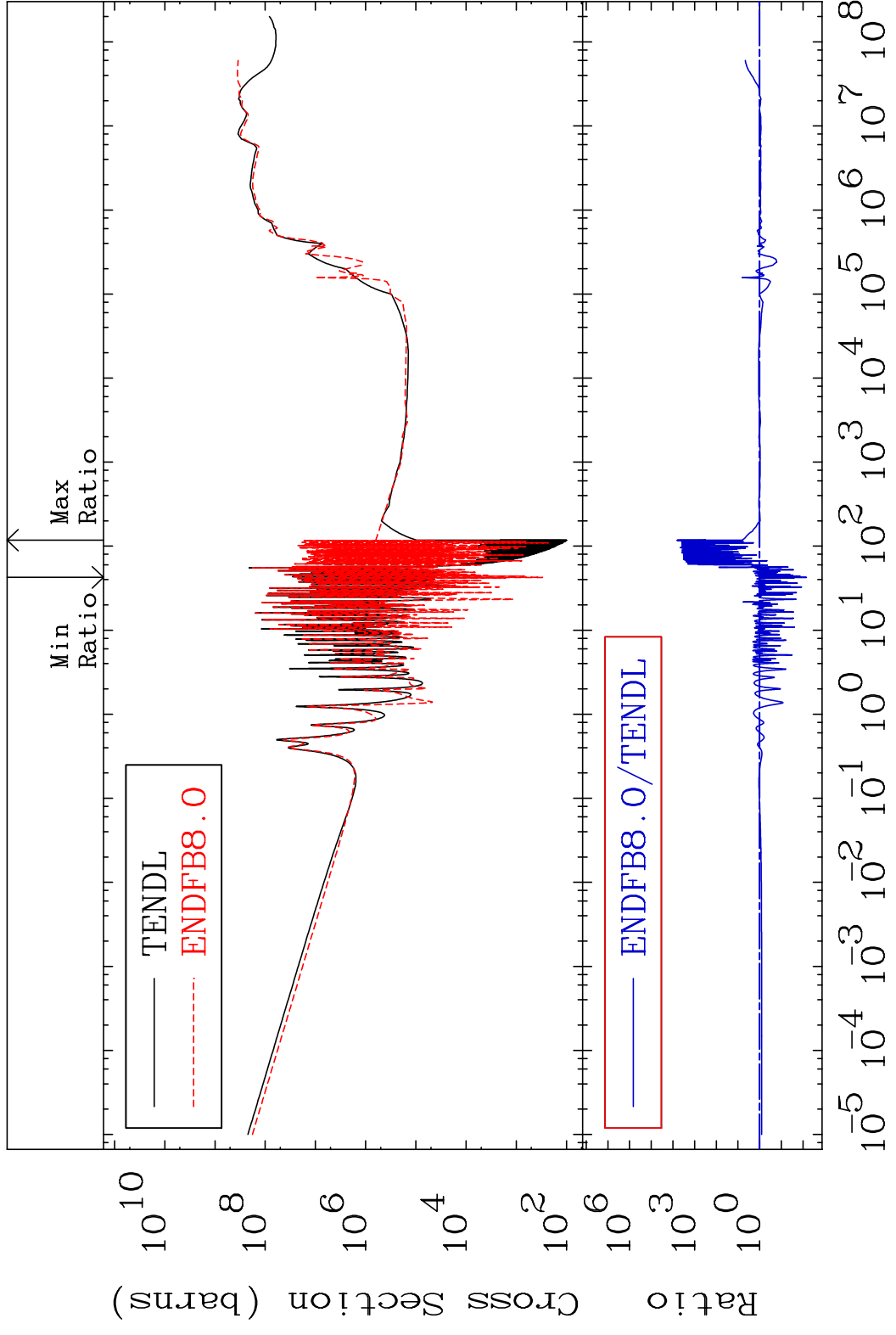
91-Pa-231

MAT 9131

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



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

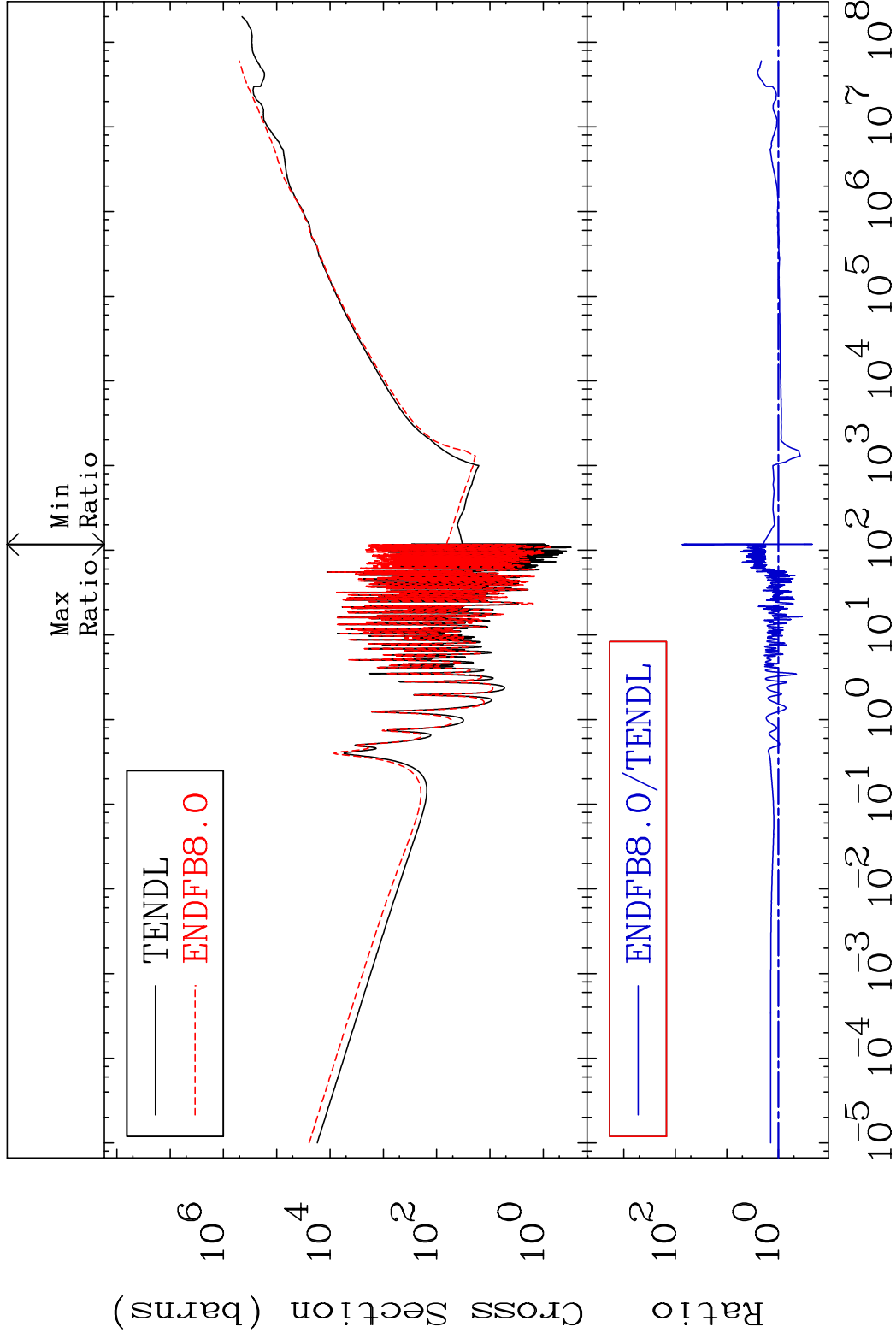


MAT 9131

Dpa total (eV-barns)

91-Pa-231

Cross Section -78.24 To 7188. %



36

Incident Energy (eV)

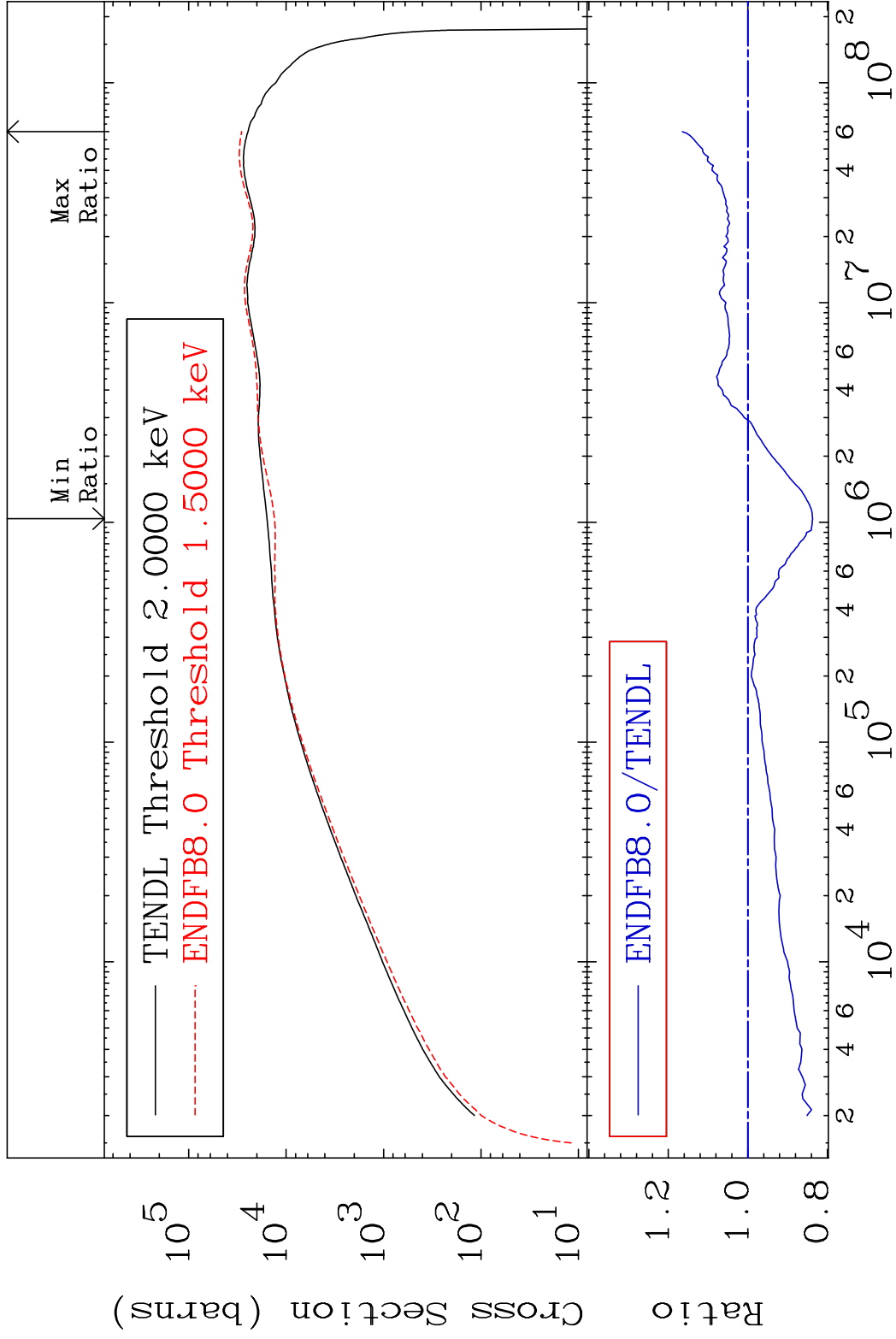
91-Pa-231

MAT 9131

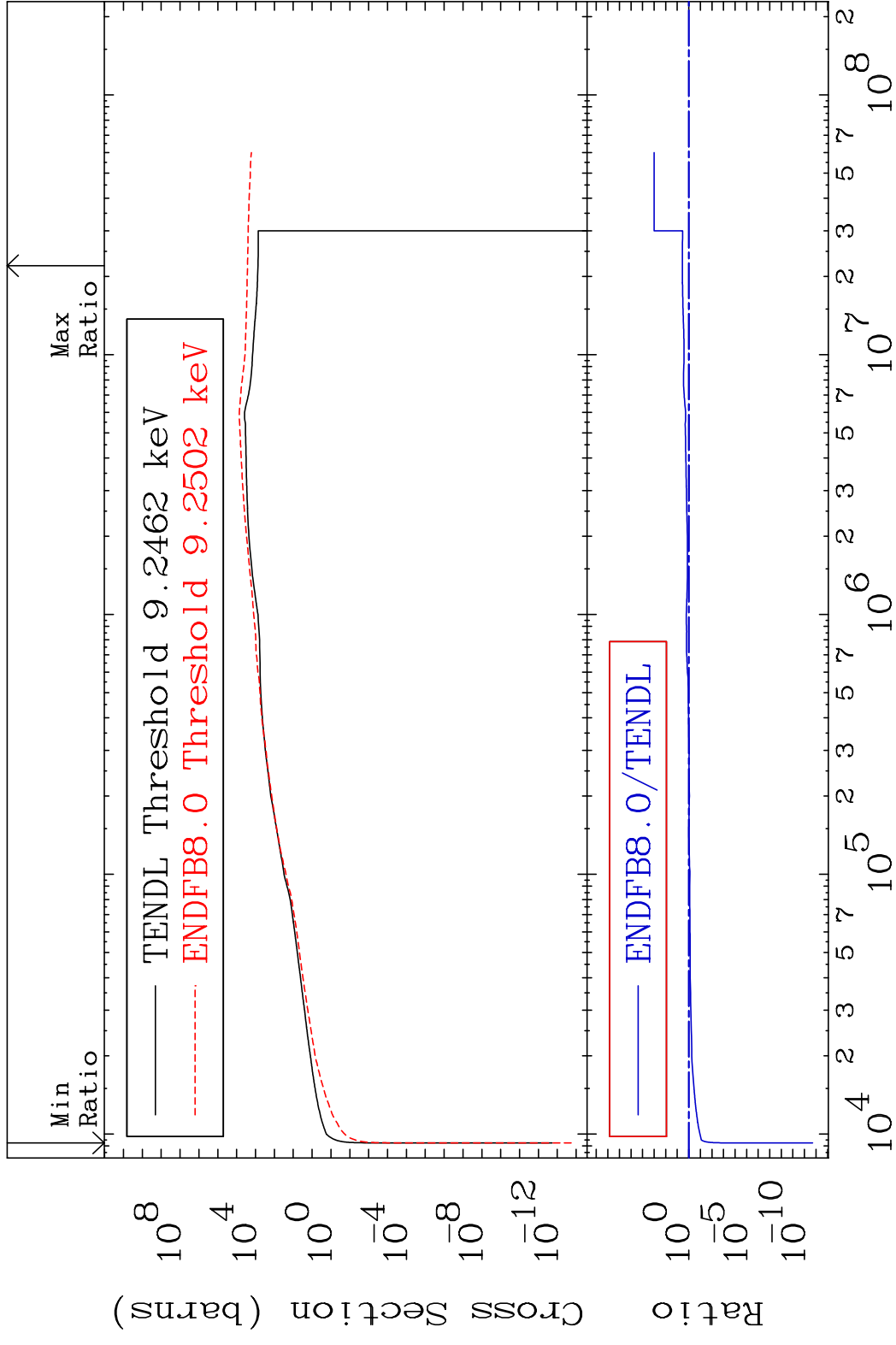
Dpa elastic (mt2)

91-Pa-231

Cross Section -16.28 To 16.47 %



MAT 9131 Dpa inelastic (mt51-91) 91-Pa-231
 Cross Section -100.0 To 260.6 %



MAT 9131 Dpa disappearance (mt102 -120) 91-Pa-231
 Cross Section -86.37 To 4482. %

