

Program Complot
(Version 2021-1)

by

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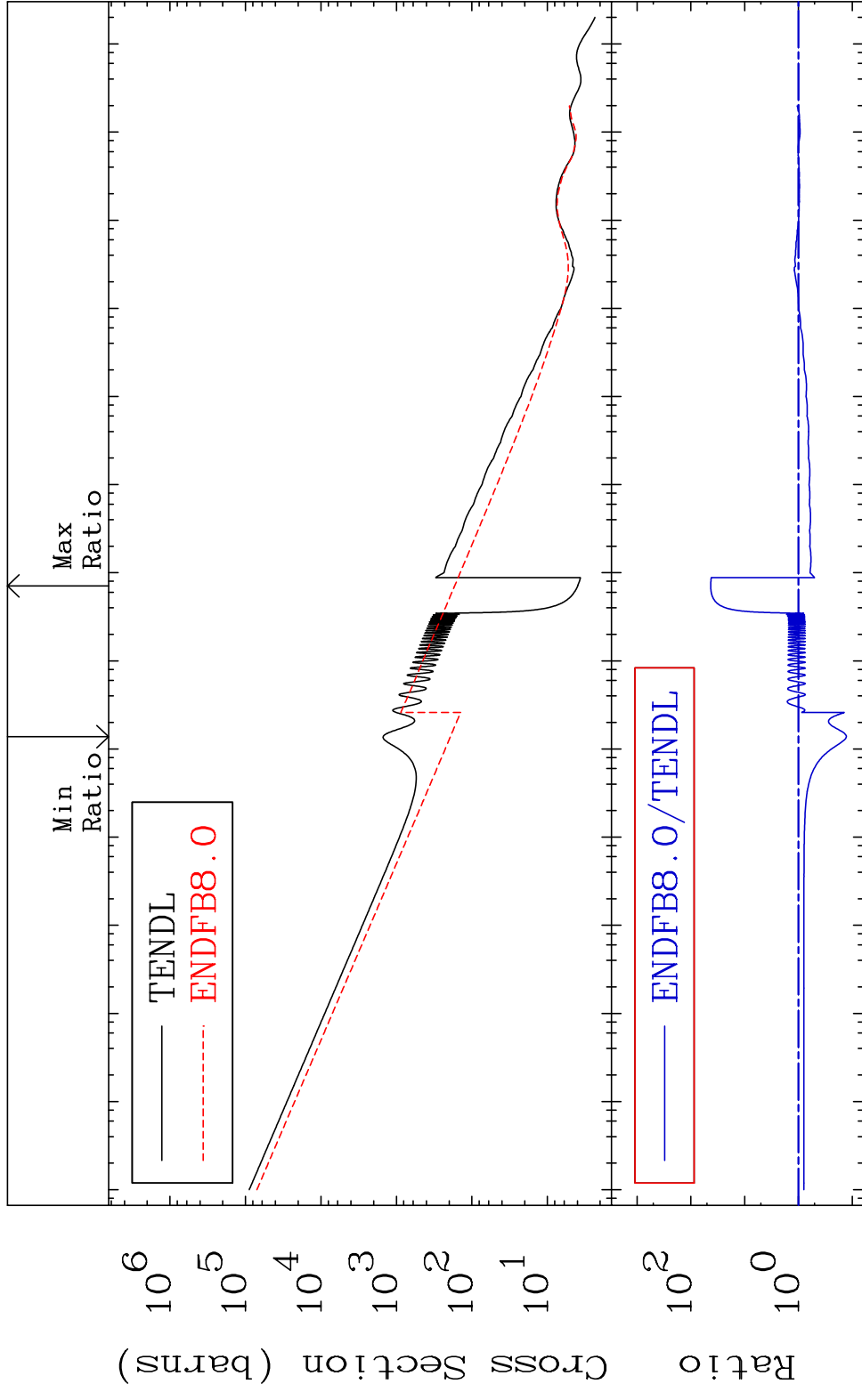
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6155

Total
Cross Section -87.14 To 4171. %

61-Pm-149

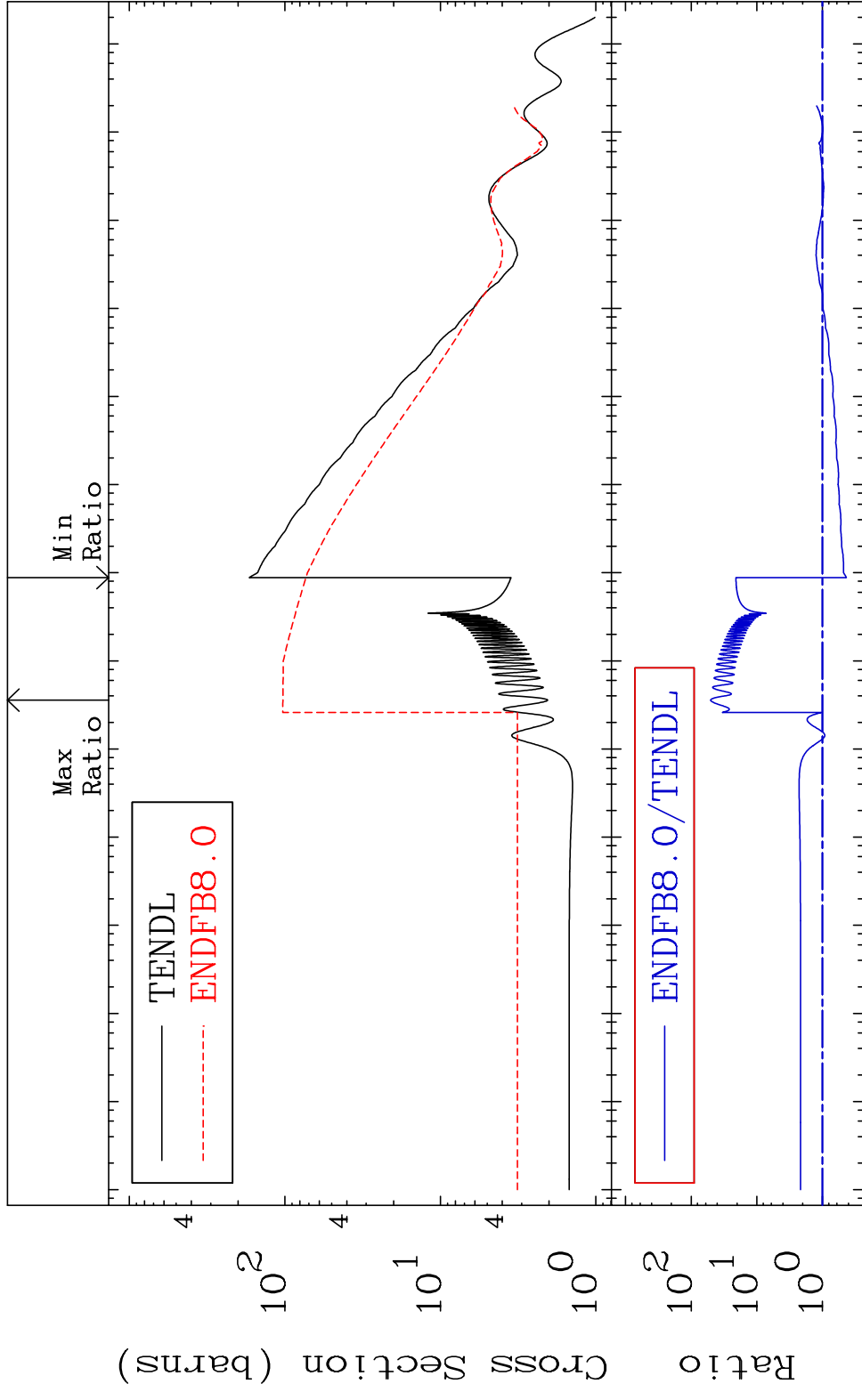


1 Incident Energy (eV) 61-Pm-149

MAT 6155

Elastic
Cross Section -56.81 To 4936. %

61-Pm-149



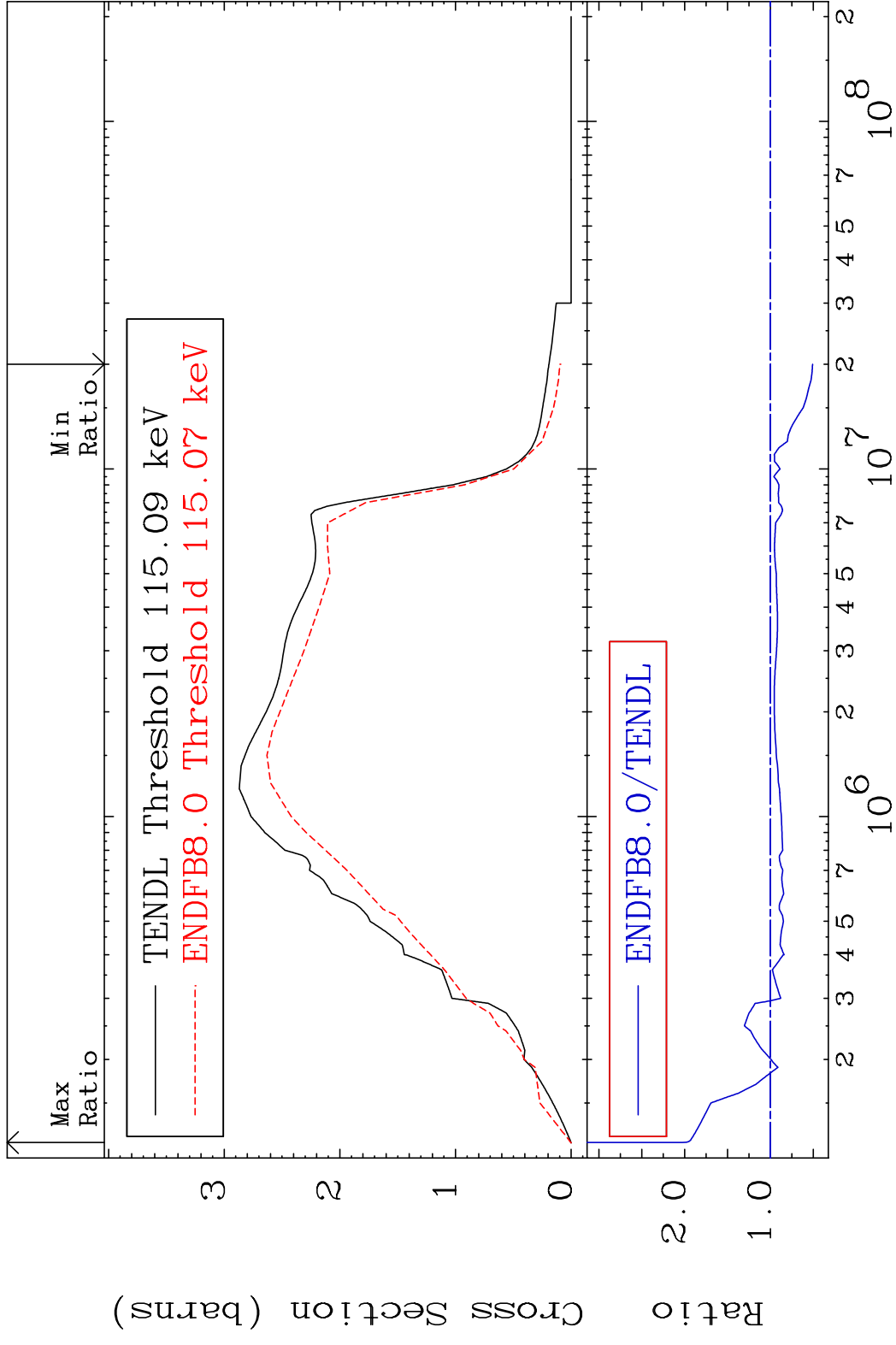
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

61-Pm-149

MAT 6155 Inelastic 61-Pm-149
 Cross Section -49.07 To 102.8 %

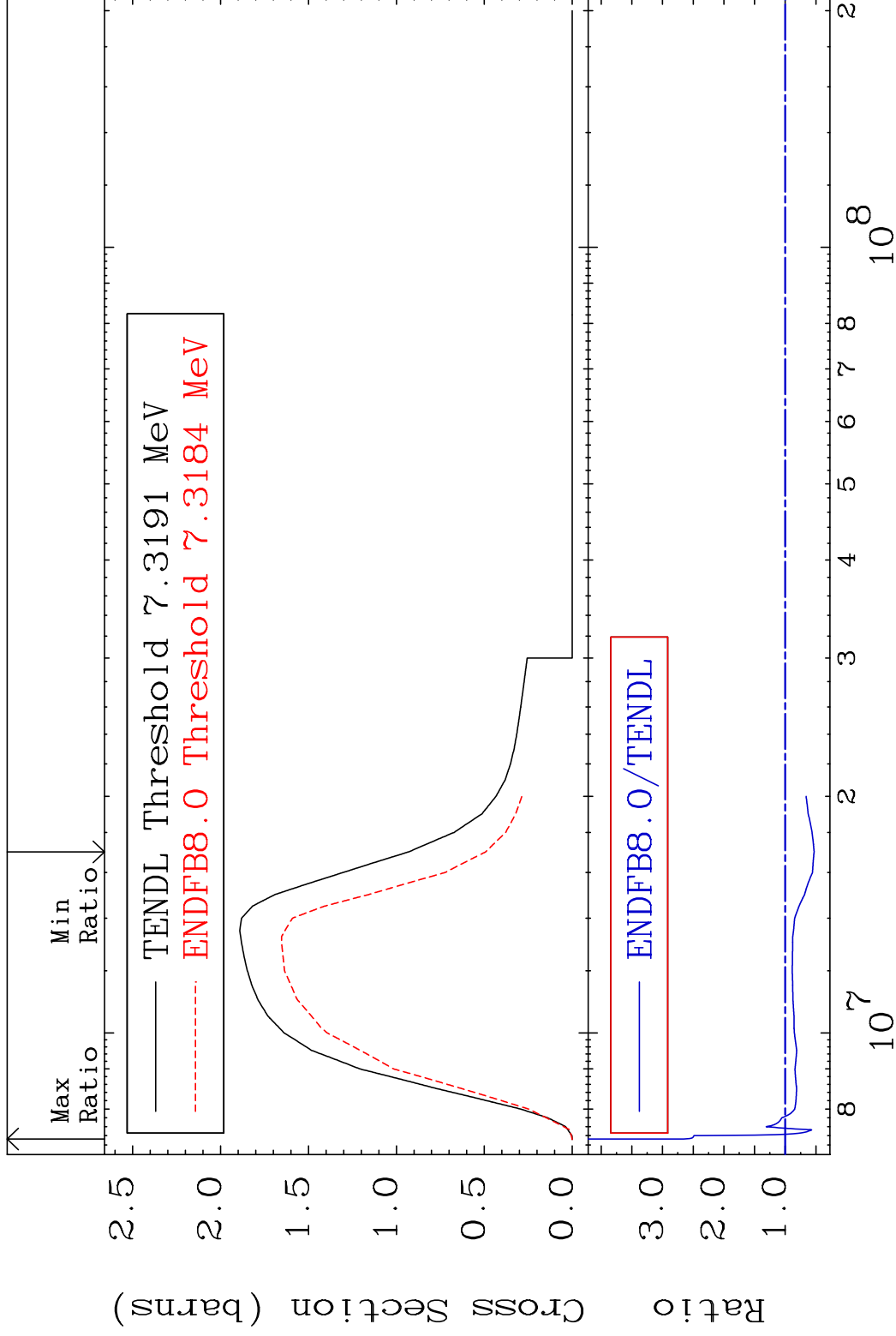


MAT 6155

(n,2n)

61-Pm-149

Cross Section -47.07 To 165.5 %



4

Incident Energy (eV)

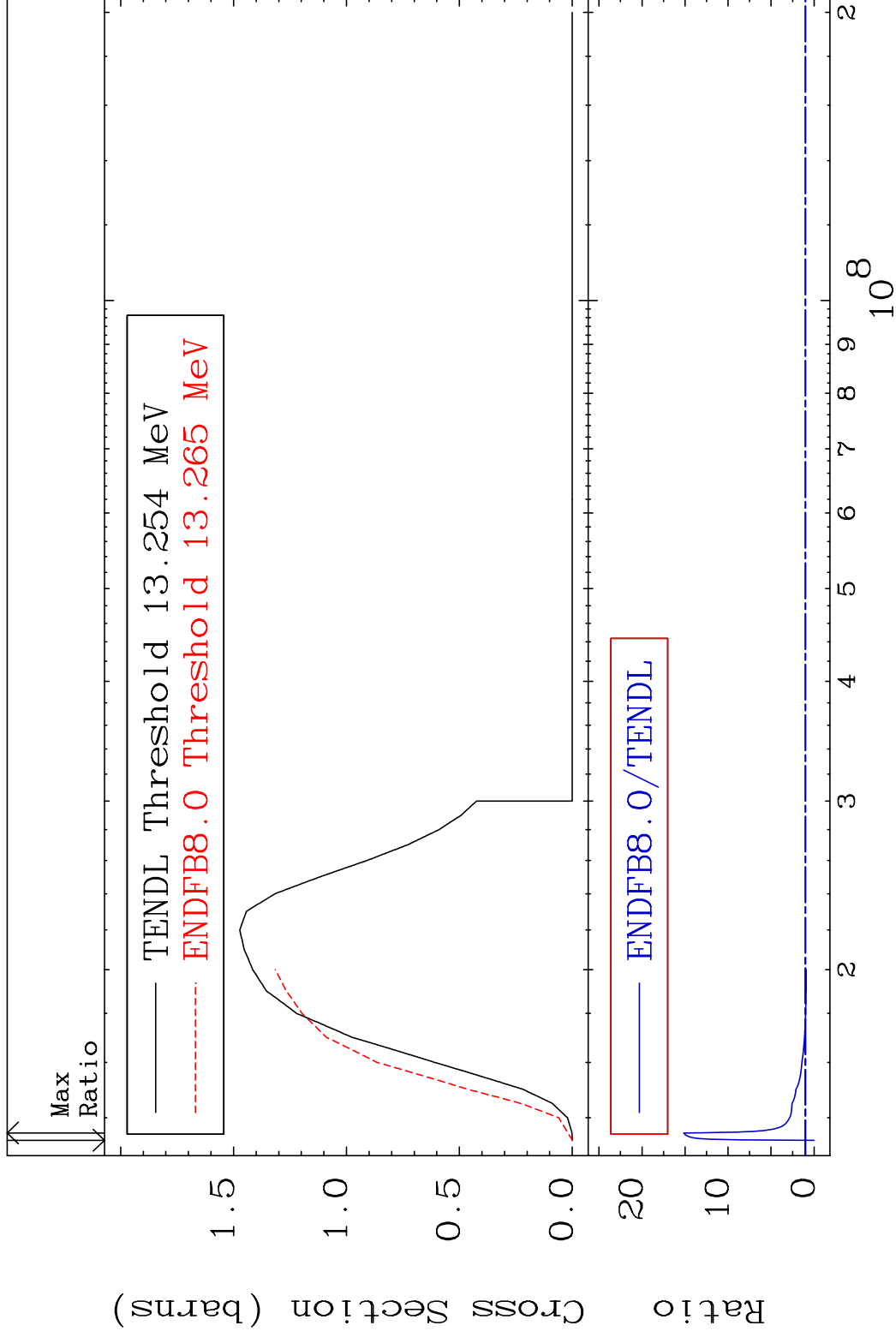
61-Pm-149

MAT 6155

(n,3n)

61-Pm-149

Cross Section -100.0 To 1416. %



5

Incident Energy (eV)

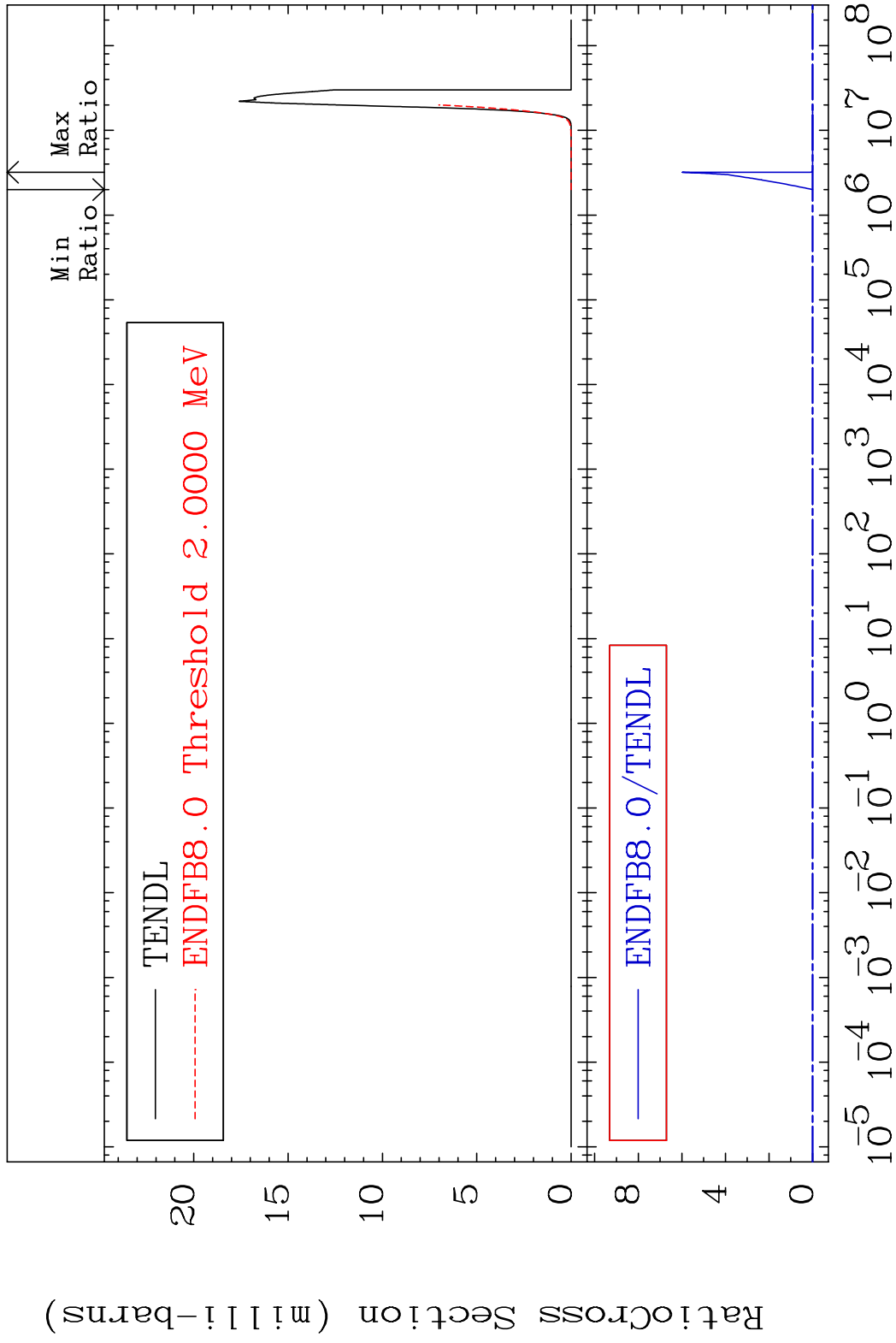
61-Pm-149

MAT 6155

(n, n') α

61-Pm-149

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

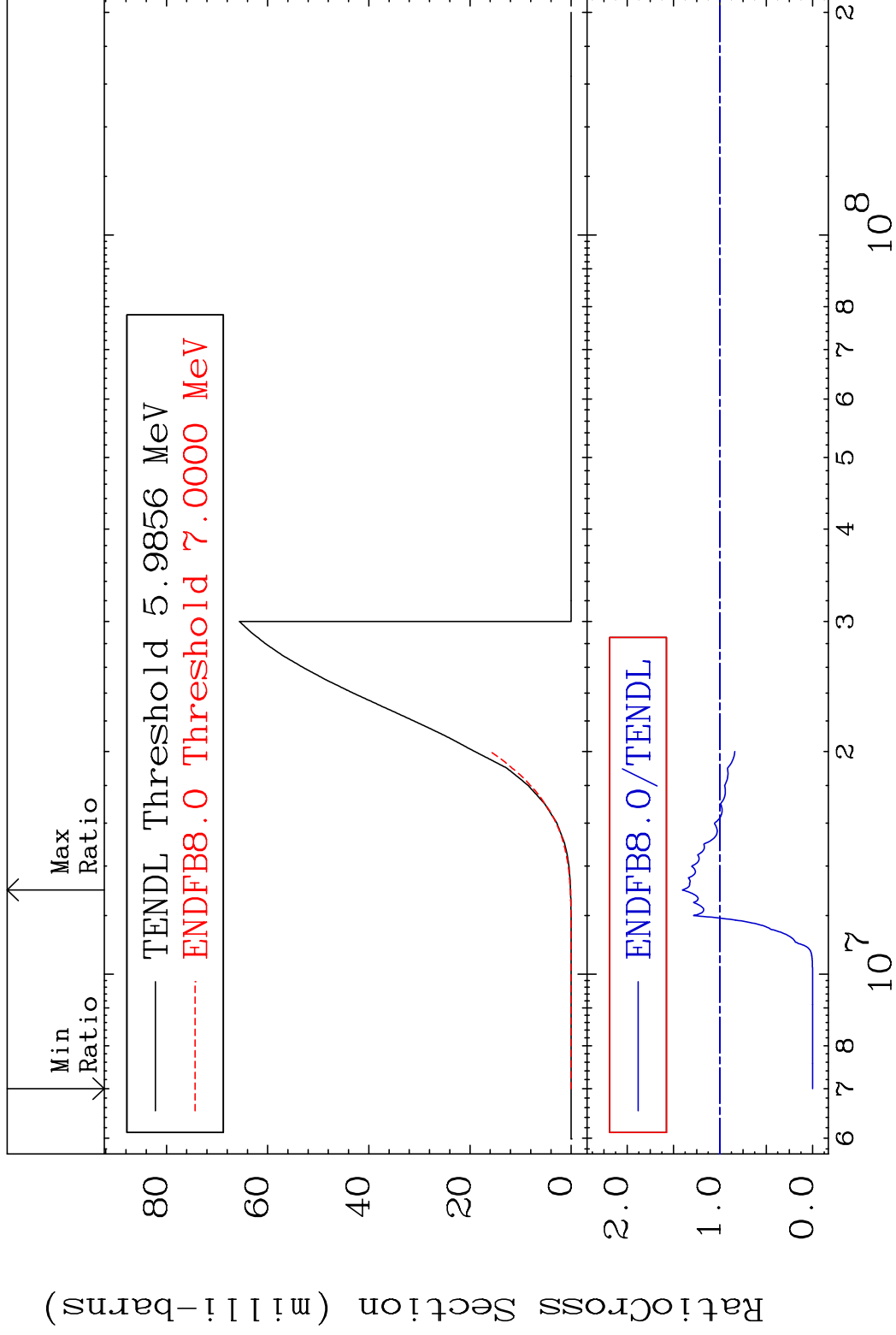
61-Pm-149

MAT 6155

(n, n') p

61-Pm-149

Cross Section -100.0 To 40.44 %



7

Incident Energy (eV)

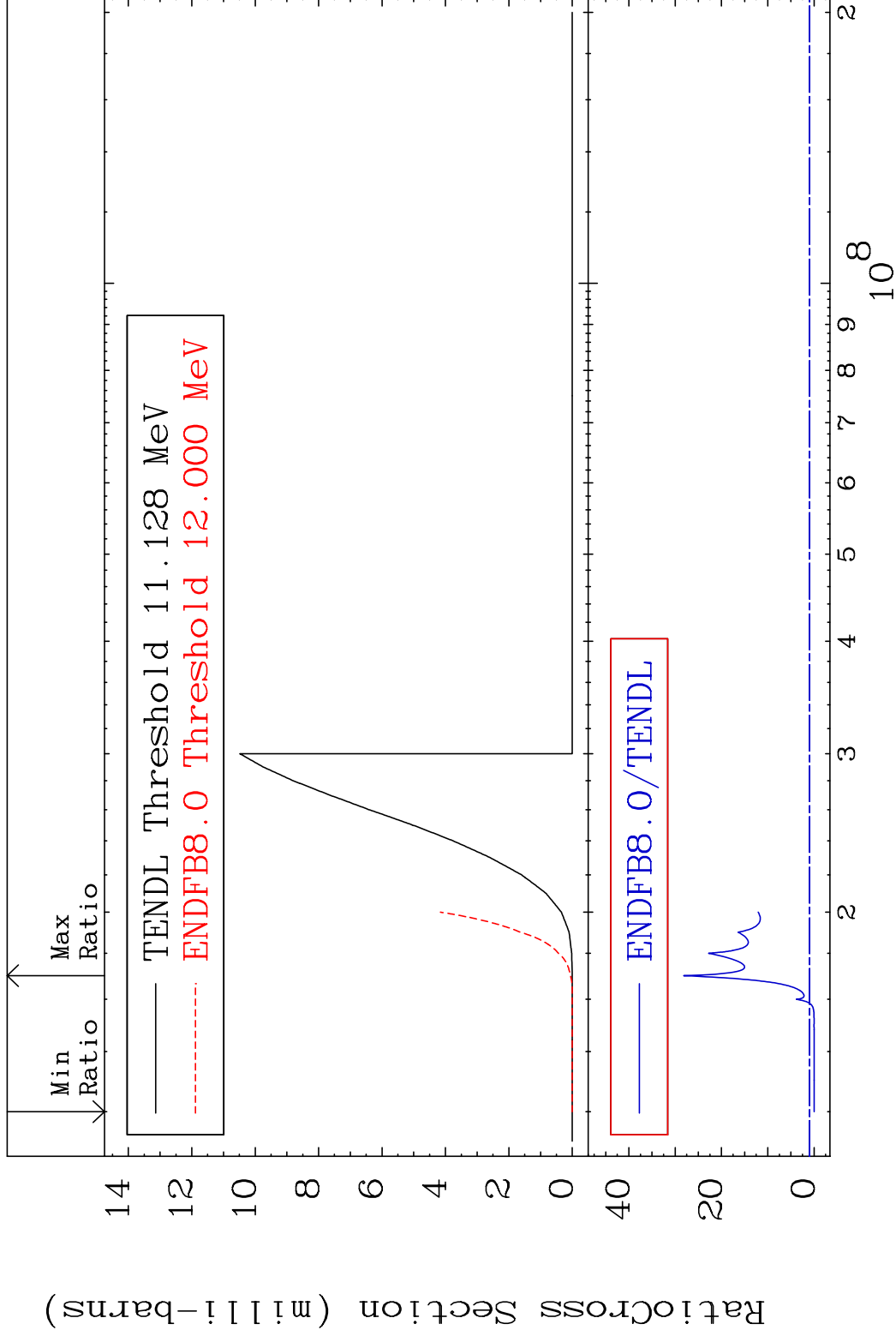
61-Pm-149

MAT 6155

(n, n') d

61-Pm-149

Cross Section -100.0 To 2717. %



8

Incident Energy (eV)

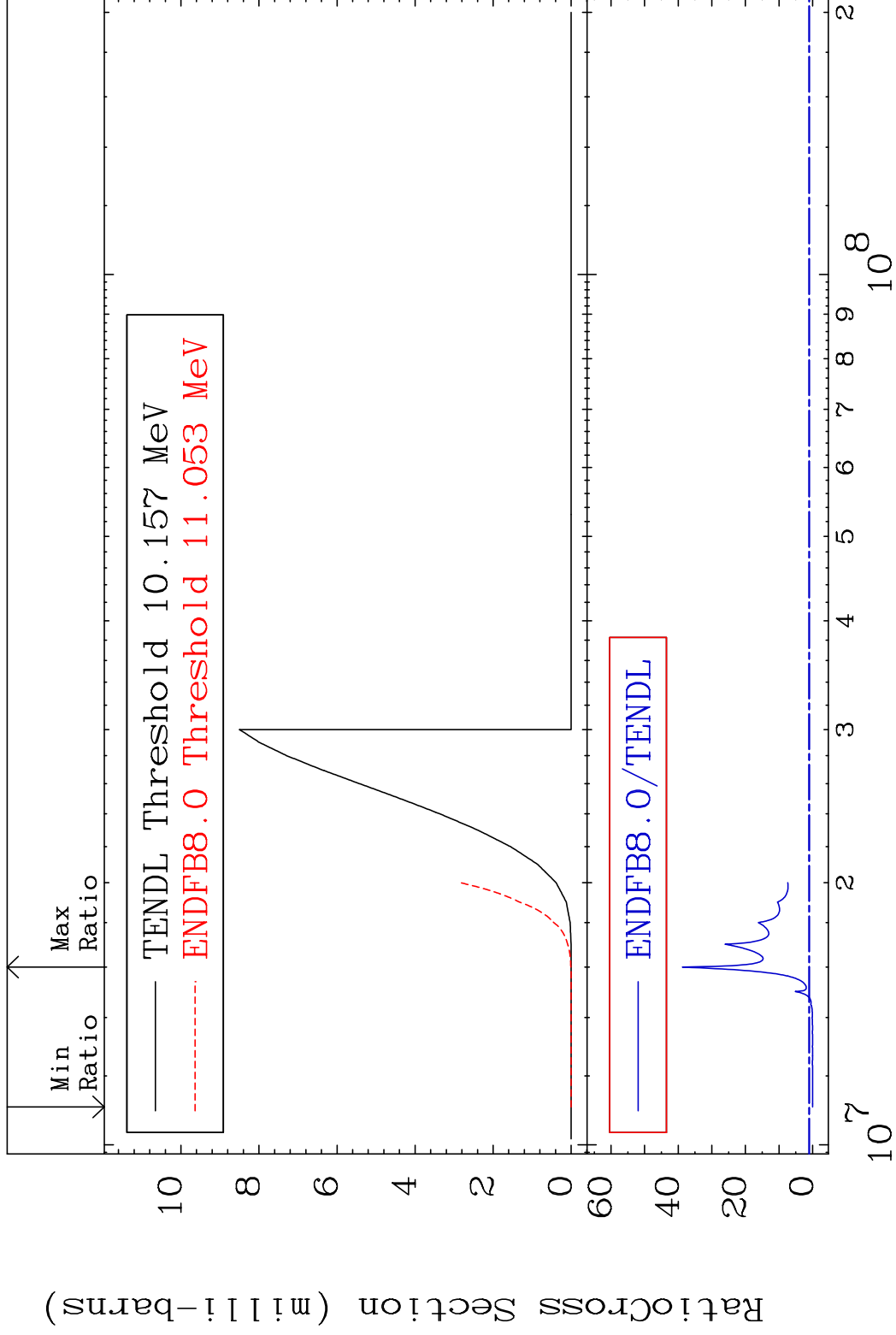
61-Pm-149

MAT 6155

(n, n') t

61-Pm-149

Cross Section -100.0 To 3777. %

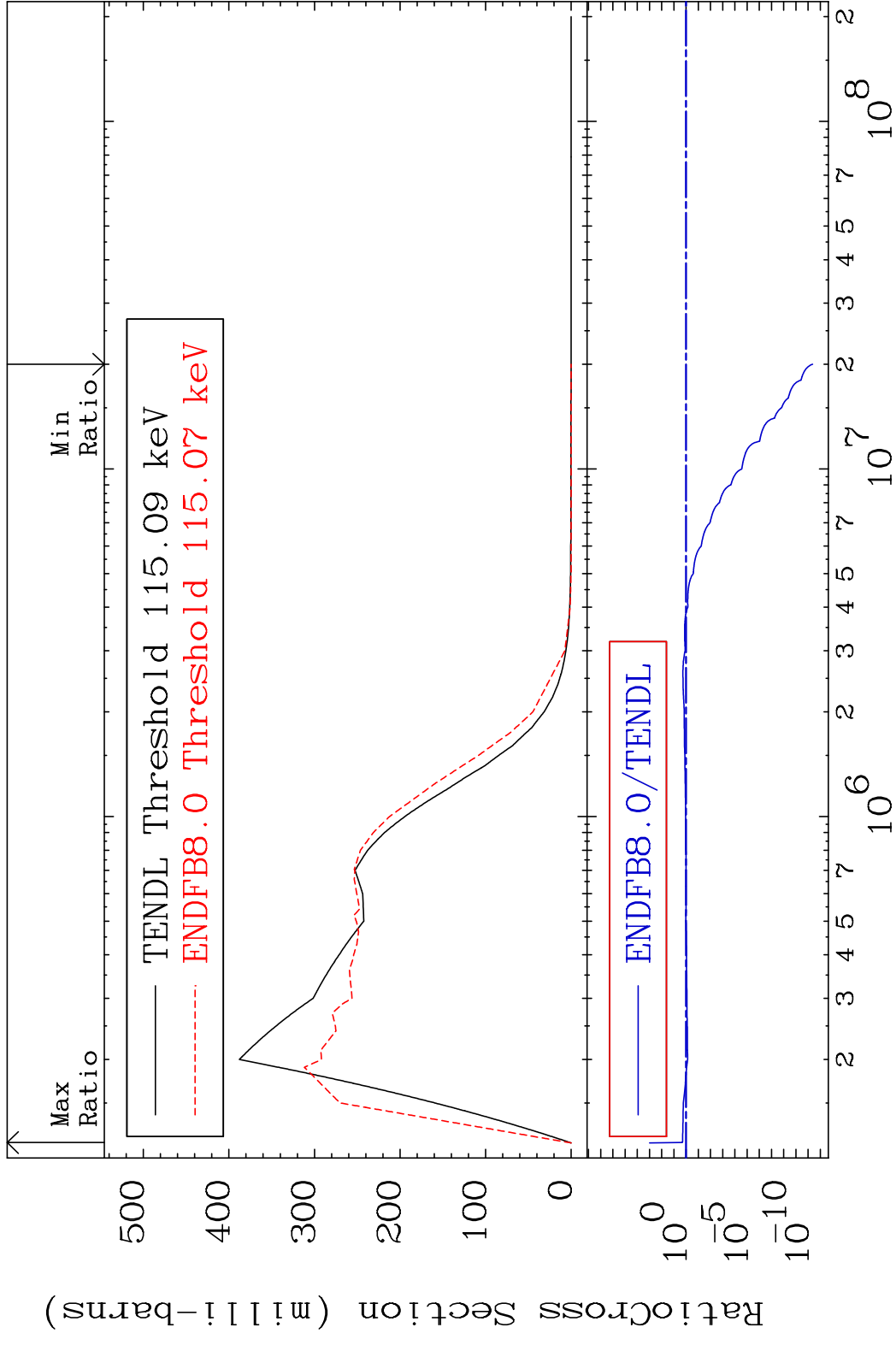


9

Incident Energy (eV)

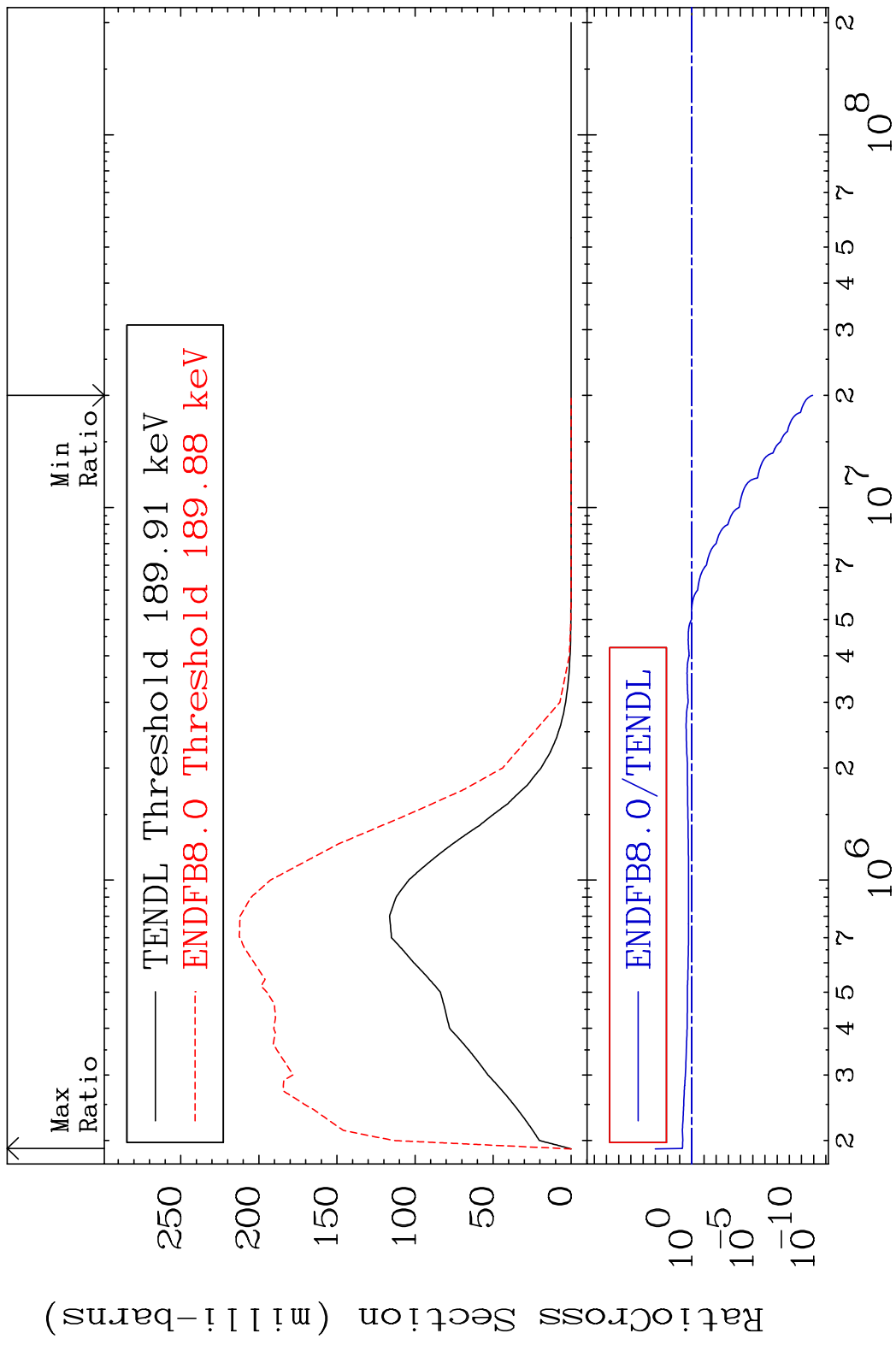
61-Pm-149

MAT 6155 MT= 51 (n, n') Level 61-Pm-149
 Cross Section -100.0 To 102.8 %

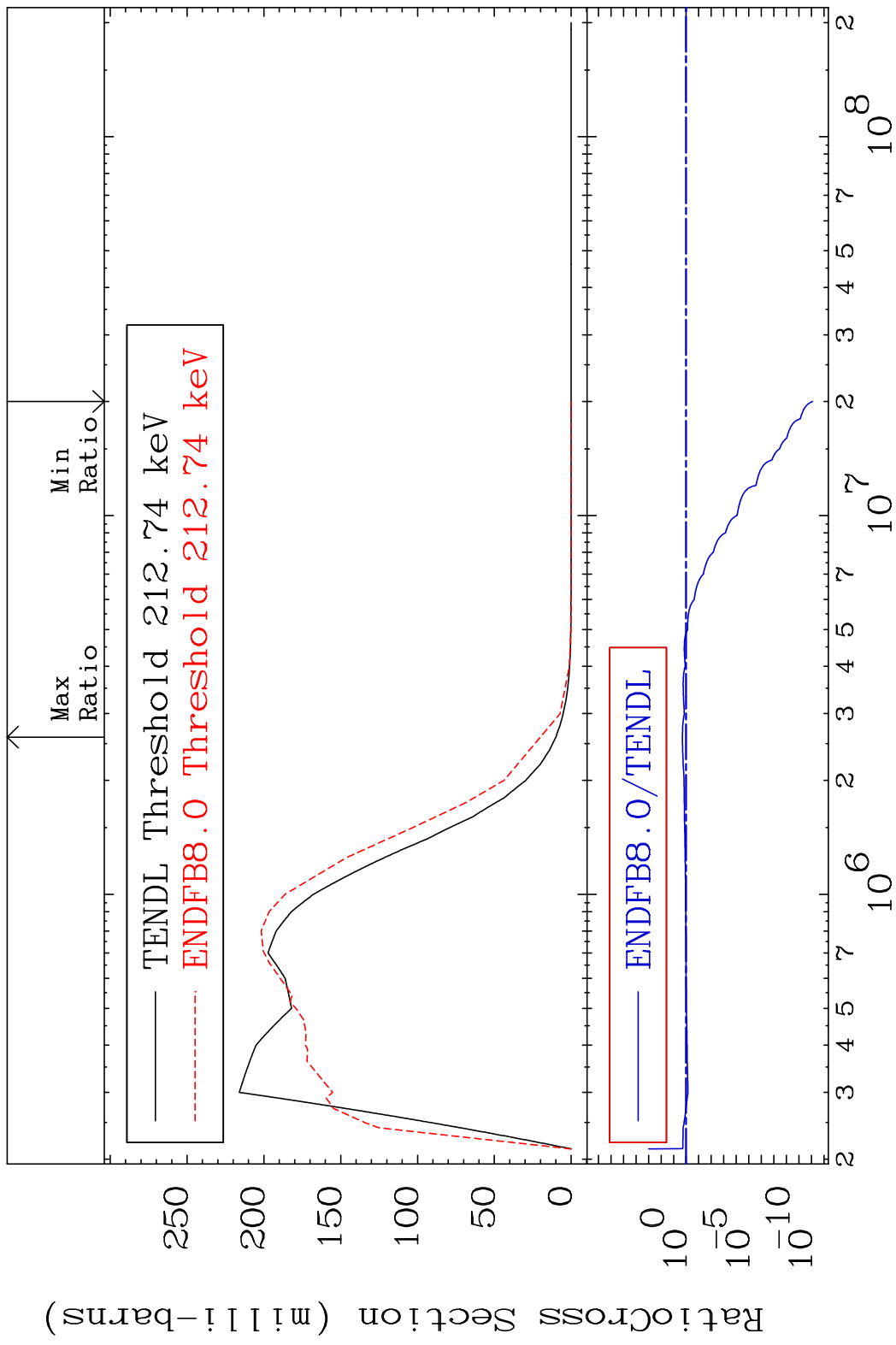


10 Incident Energy (eV) 61-Pm-149

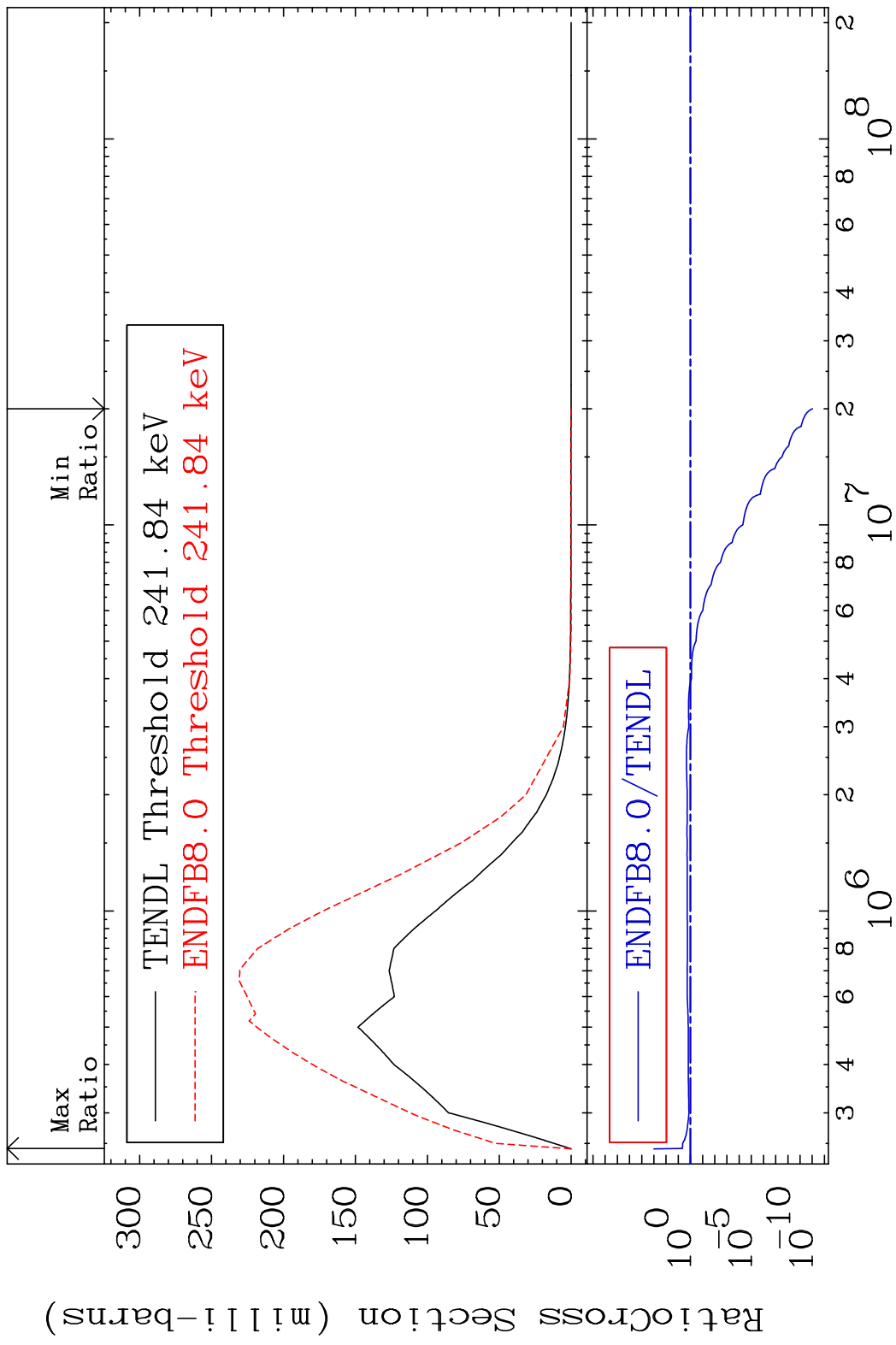
MAT 6155 MT= 52 (n, n') Level 61-Pm-149
 Cross Section -100.0 To 499.7 %



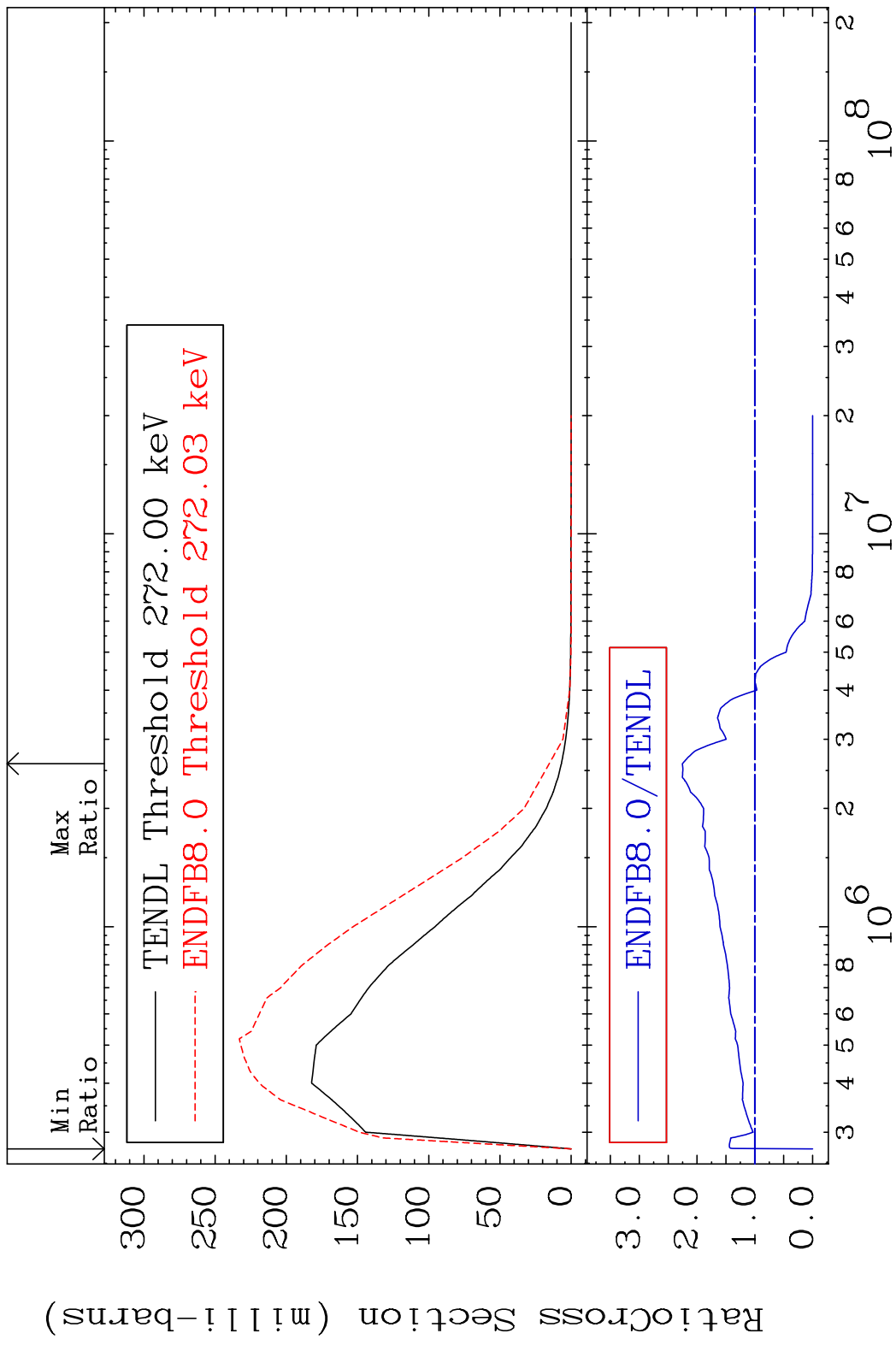
MAT 6155 MT= 53 (n, n') Level 61-Pm-149
 Cross Section -100.0 To 100.8 %



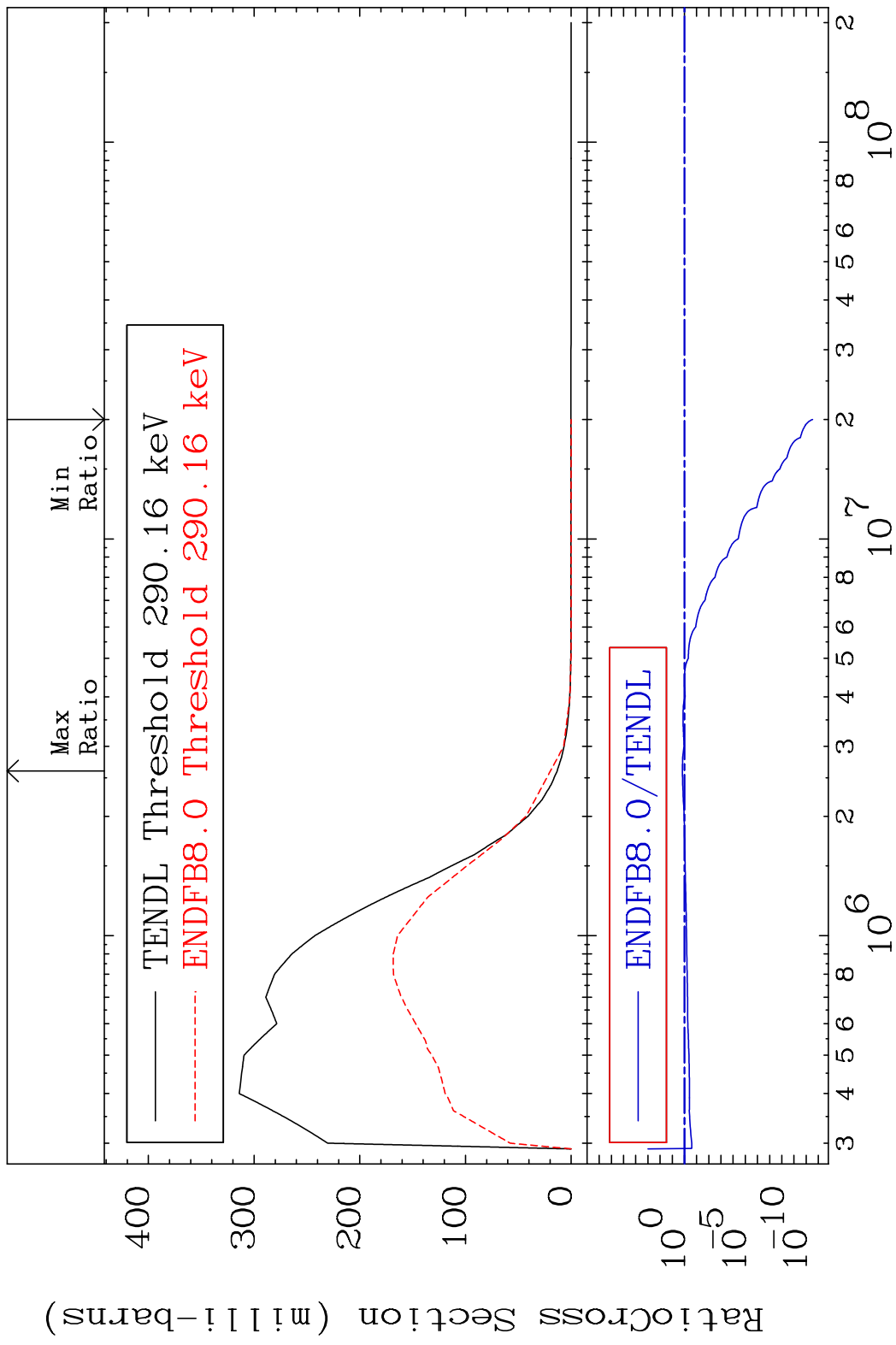
MAT 6155 MT= 54 (n, n') Level 61-Pm-149
 Cross Section -100.0 To 359.4 %



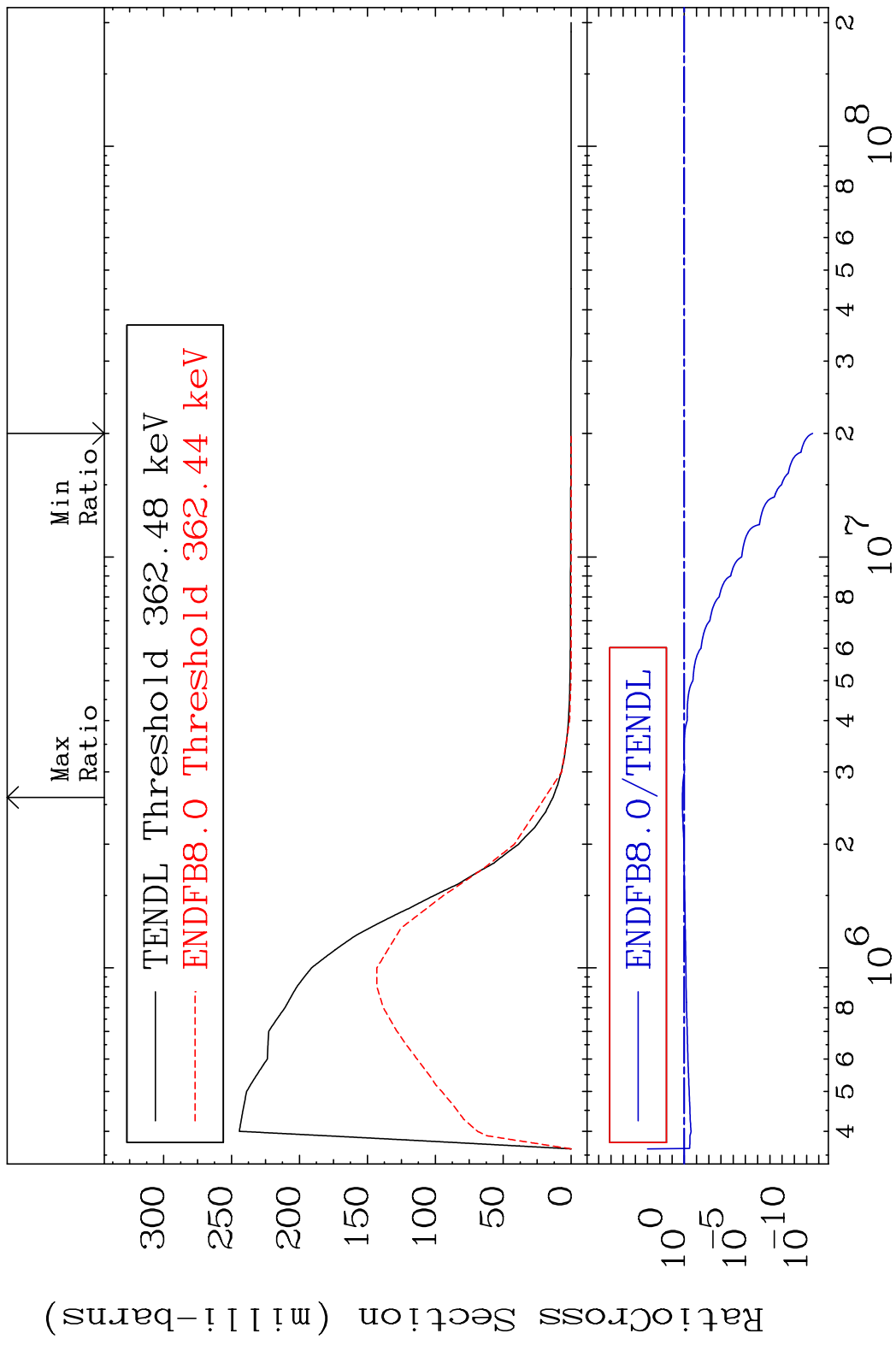
MAT 6155 MT= 55 (n,n') Level 61-Pm-149
 Cross Section -100.0 To 125.4 %



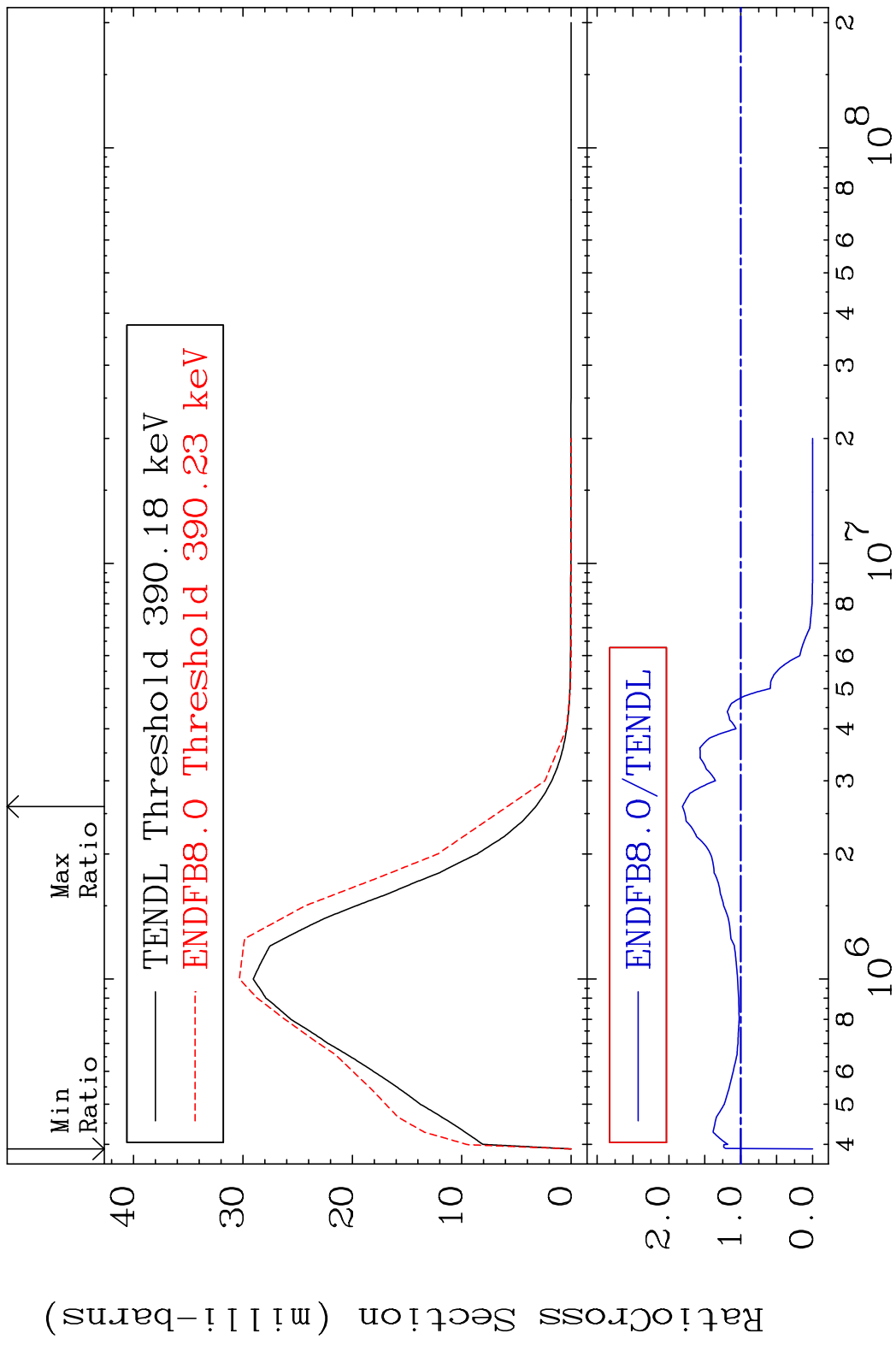
MAT 6155 MT= 56 (n, n') Level 61-Pm-149
 Cross Section -100.0 To 47.84 %



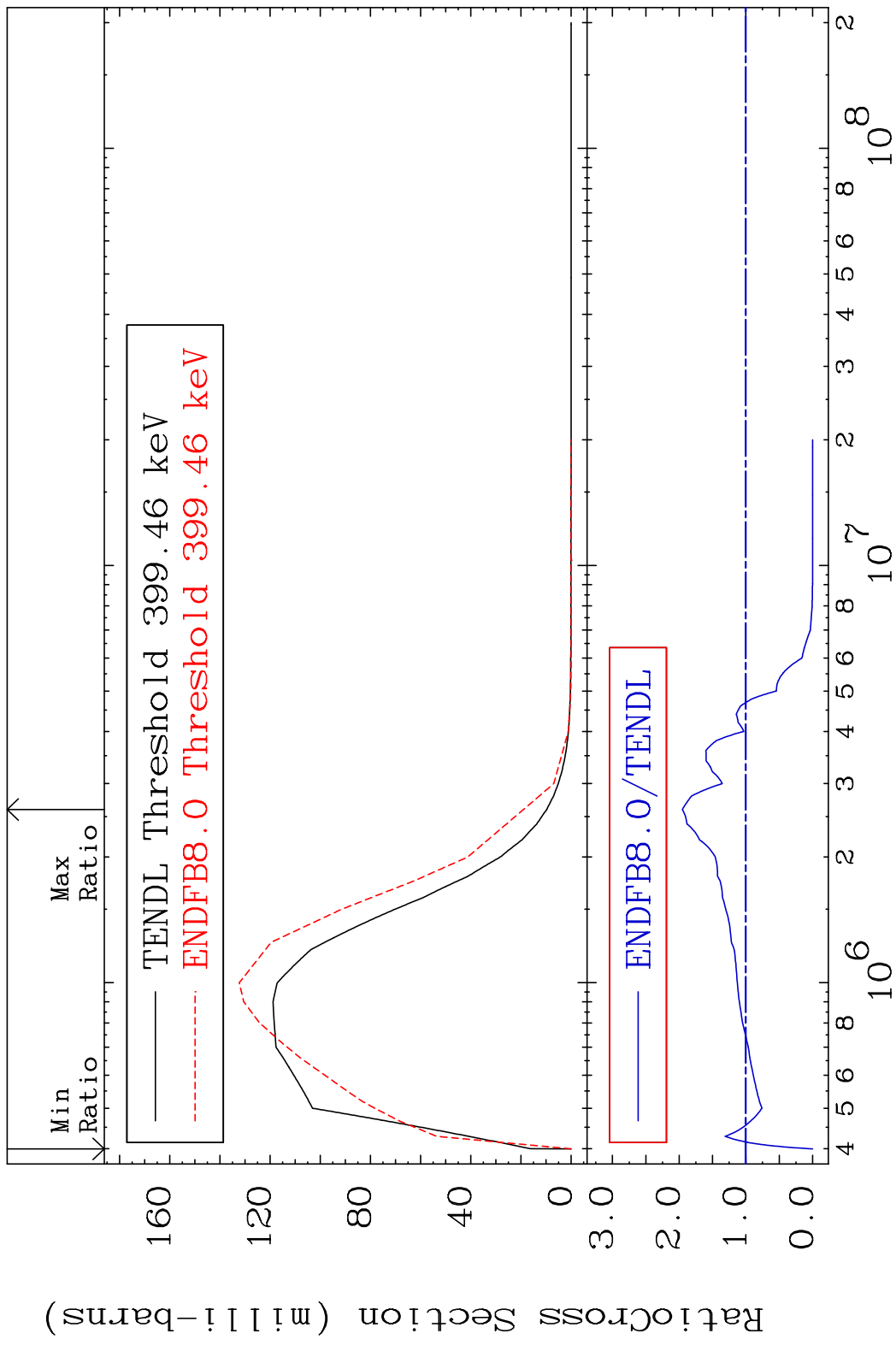
MAT 6155 MT= 57 (n, n') Level 61-Pm-149
 Cross Section -100.0 To 43.83 %



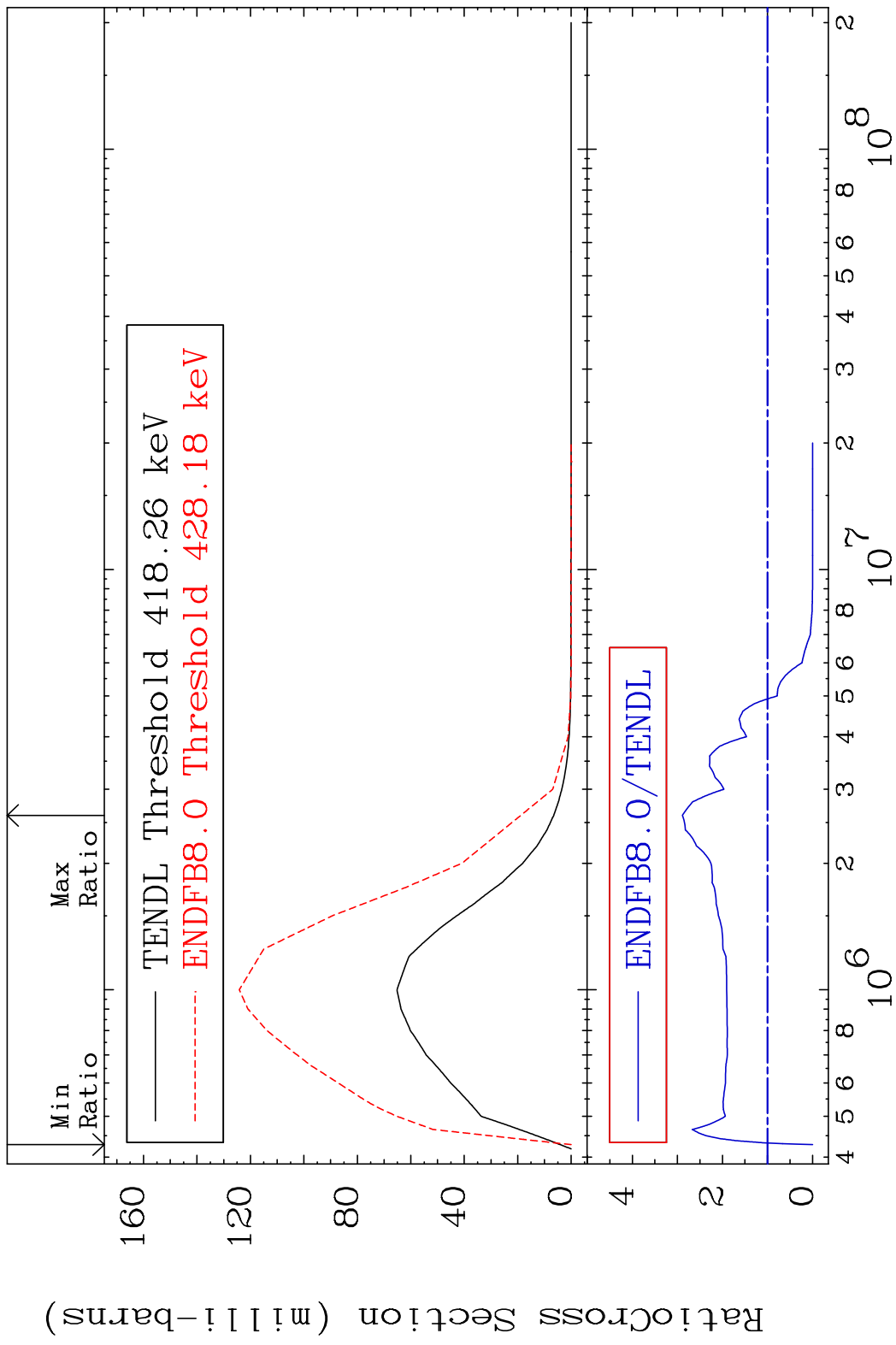
MAT 6155 MT= 58 (n,n') Level 61-Pm-149
 Cross Section -100.0 To 81.27 %



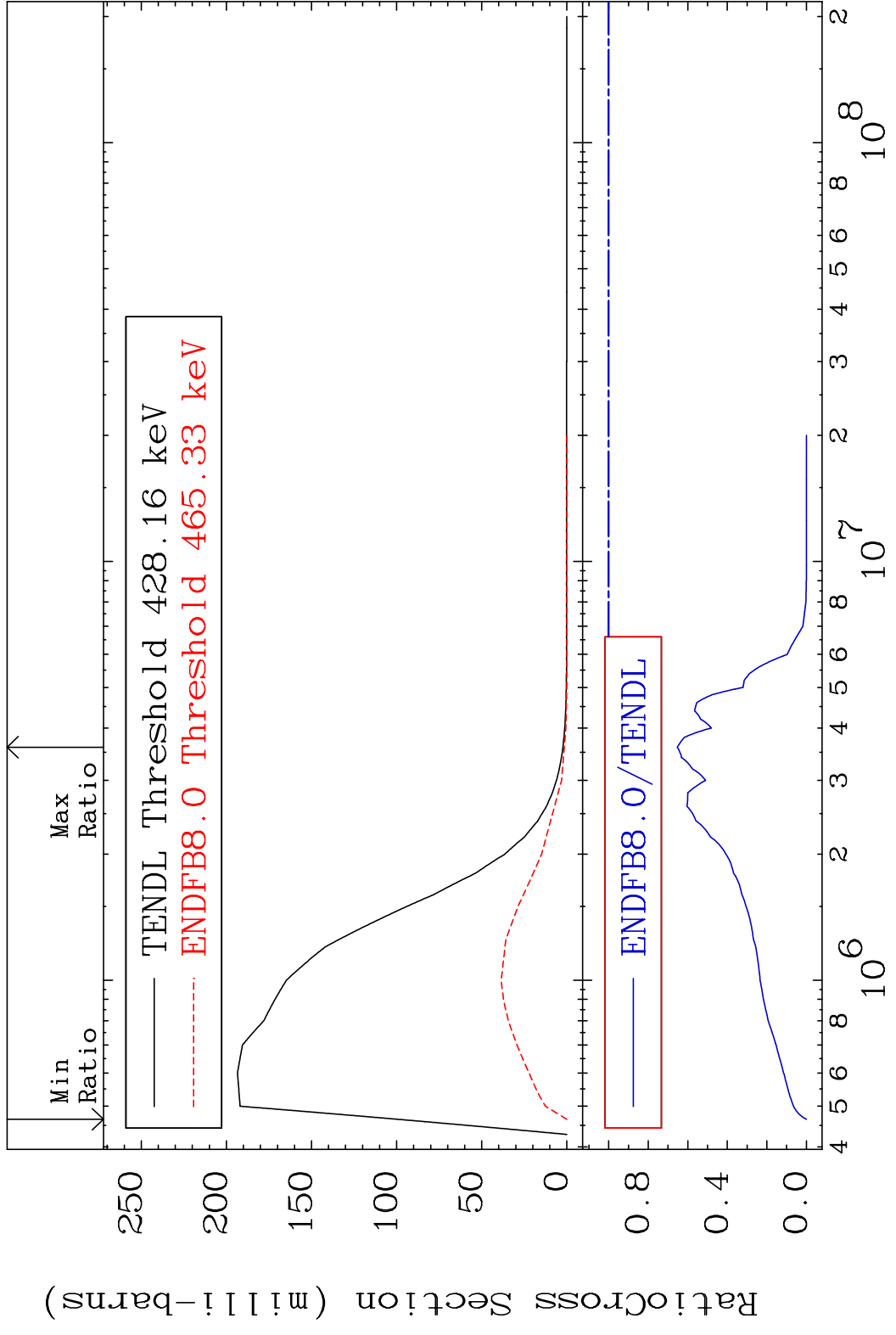
MAT 6155 MT= 59 (n,n') Level 61-Pm-149
 Cross Section -100.0 To 95.23 %



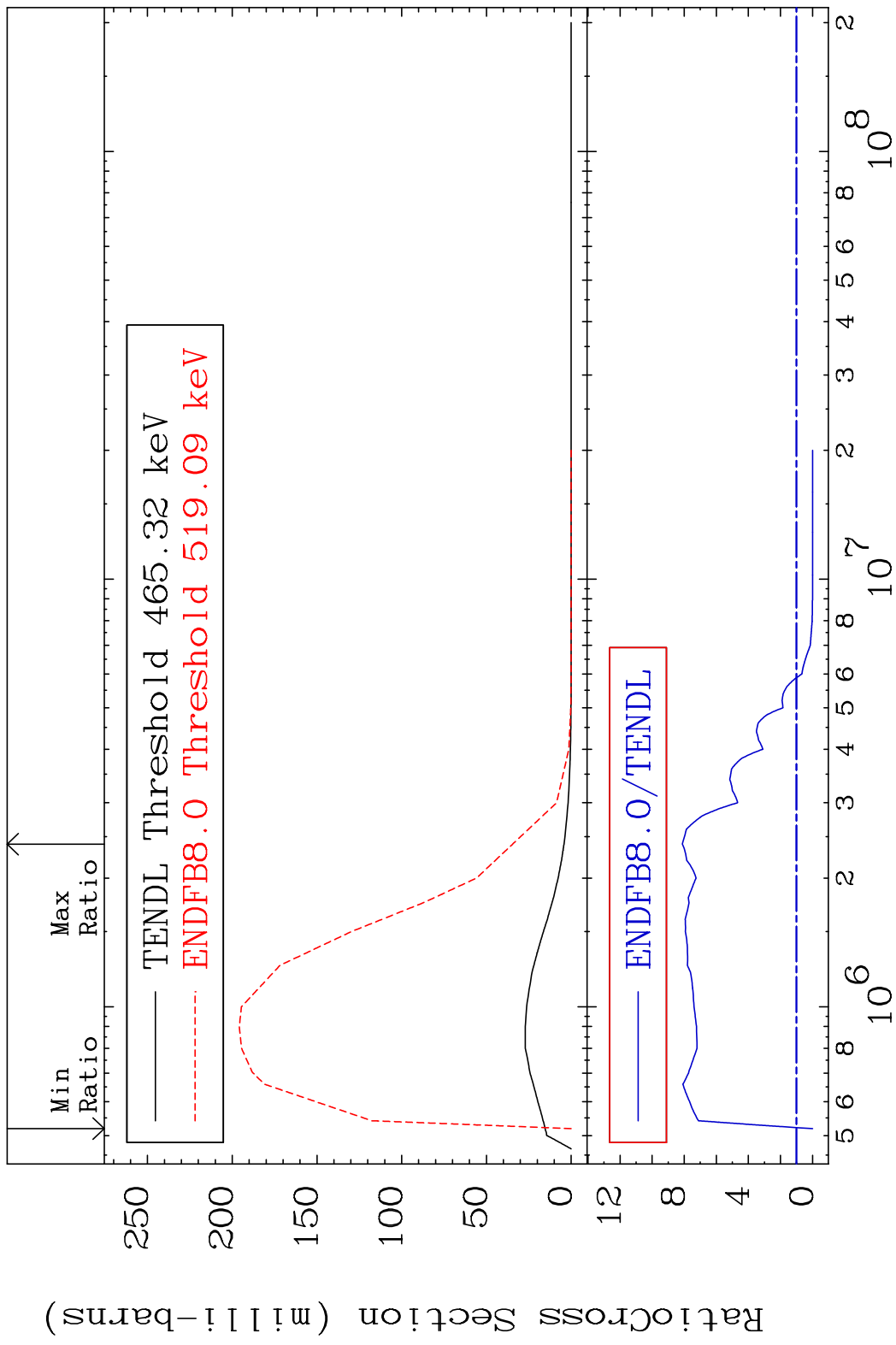
MAT 6155 MT= 60 (n, n') Level 61-Pm-149
 Cross Section -100.0 To 189.0 %



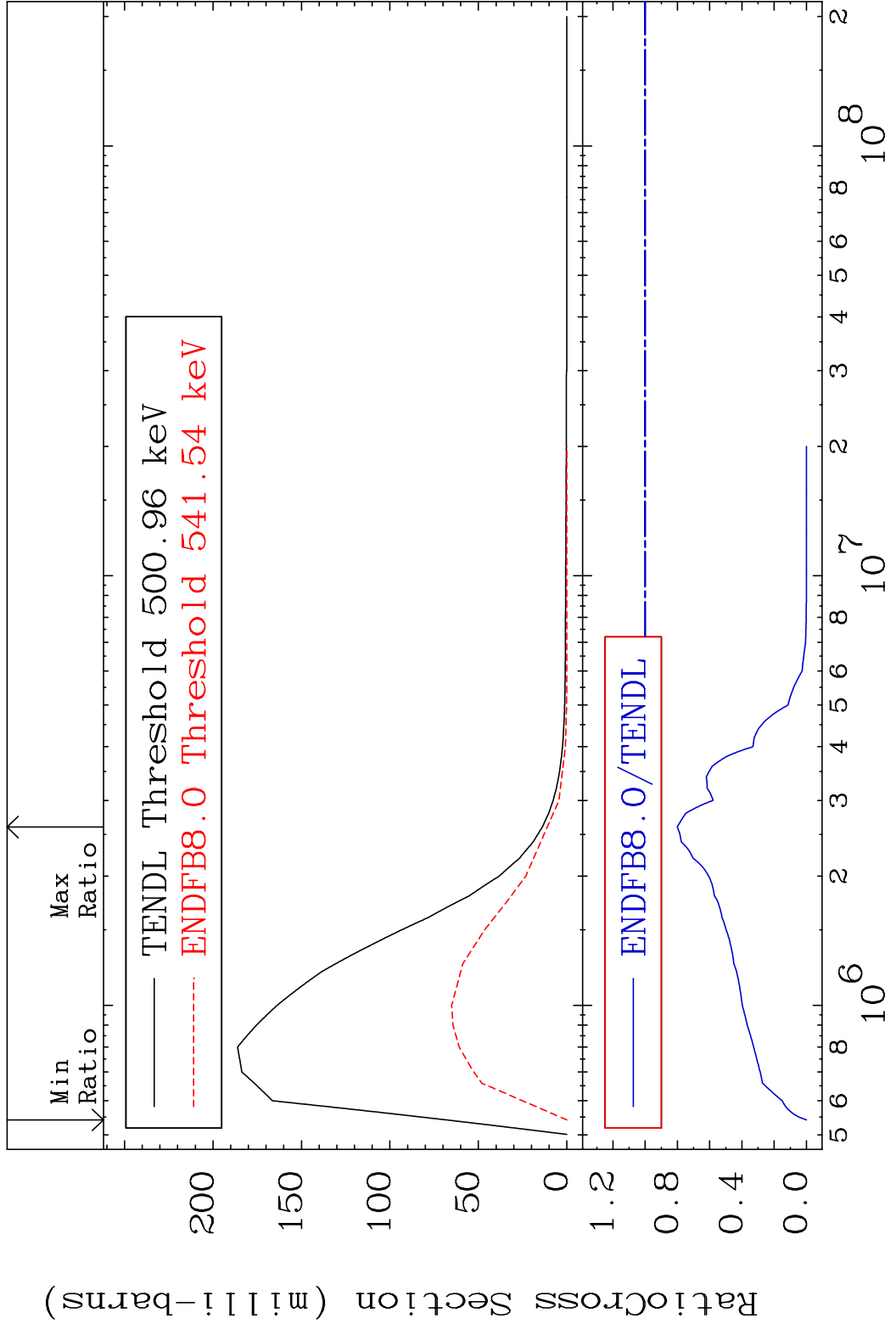
MAT 6155 MT= 61 (n, n') Level 61-Pm-149
 Cross Section -100.0 To -34.64%



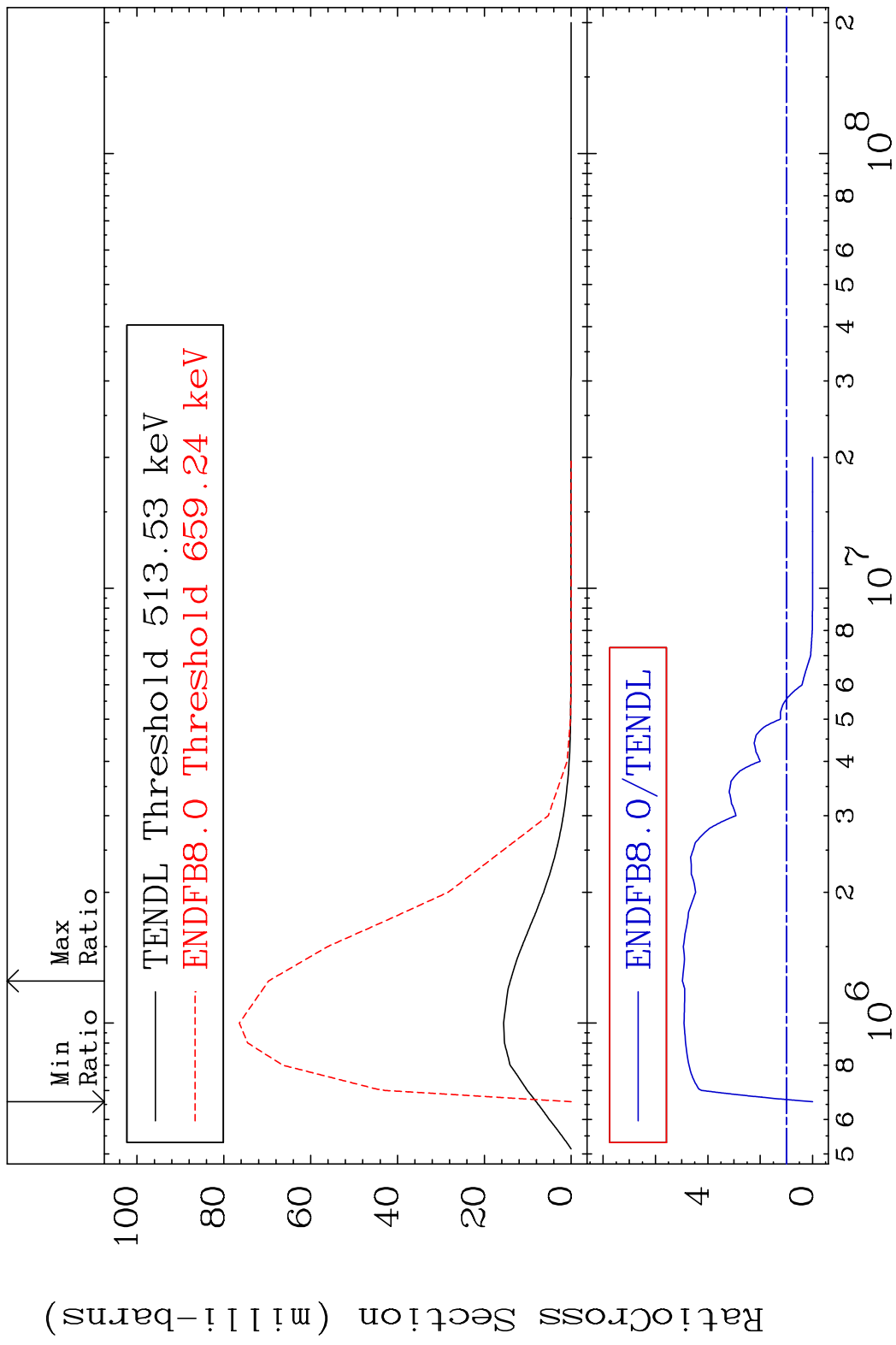
MAT 6155 MT= 62 (n, n') Level 61-Pm-149
 Cross Section -100.0 To 711.8 %

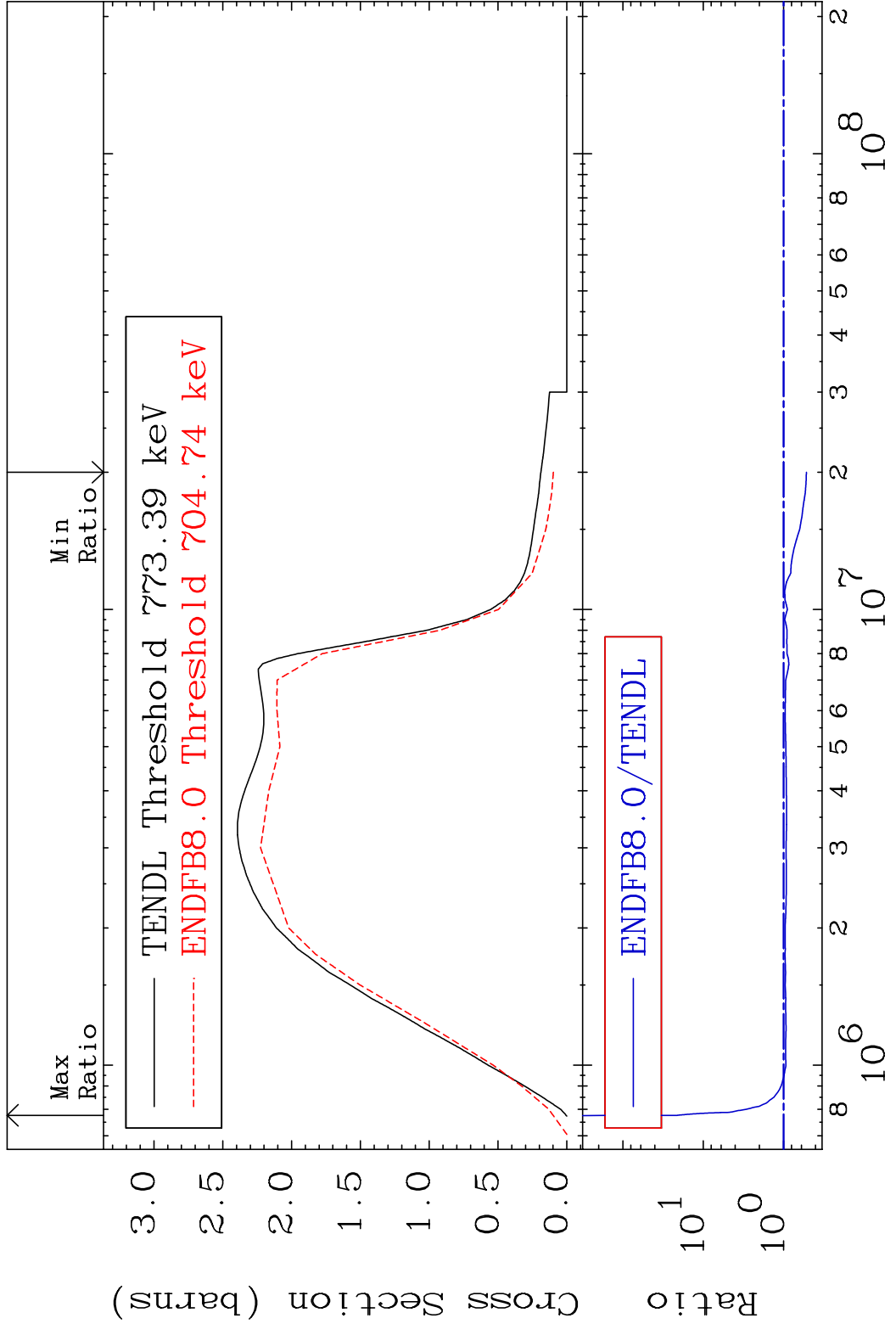


MAT 6155 MT= 63 (n, n') Level 61-Pm-149
 Cross Section -100.0 To -19.85%



MAT 6155 MT= 64 (n, n') Level 61-Pm-149
 Cross Section -100.0 To 397.3 %



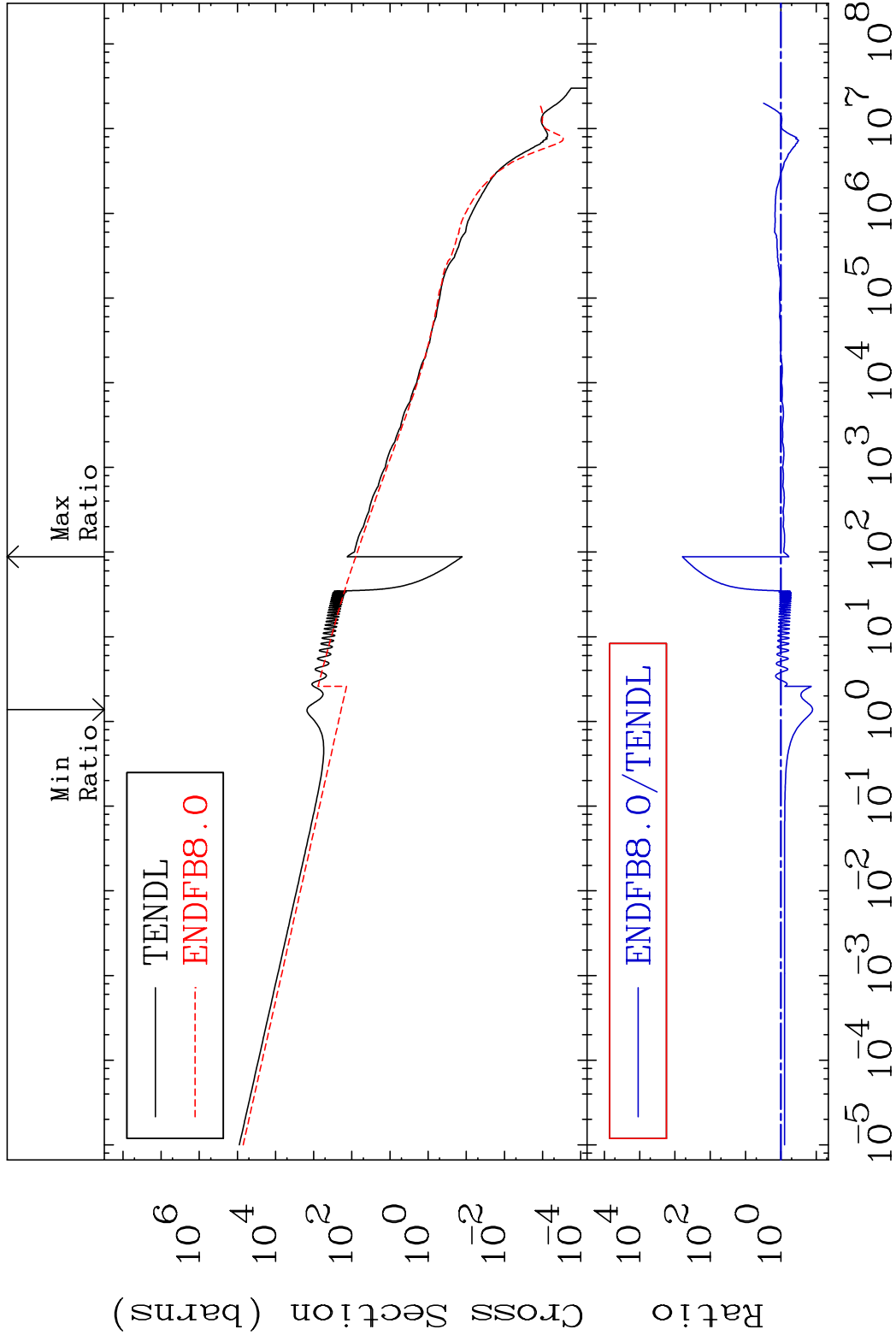


MAT 6155

(n, γ)

61-Pm-149

Cross Section -87.32 To 9999. %



25

Incident Energy (eV)

61-Pm-149

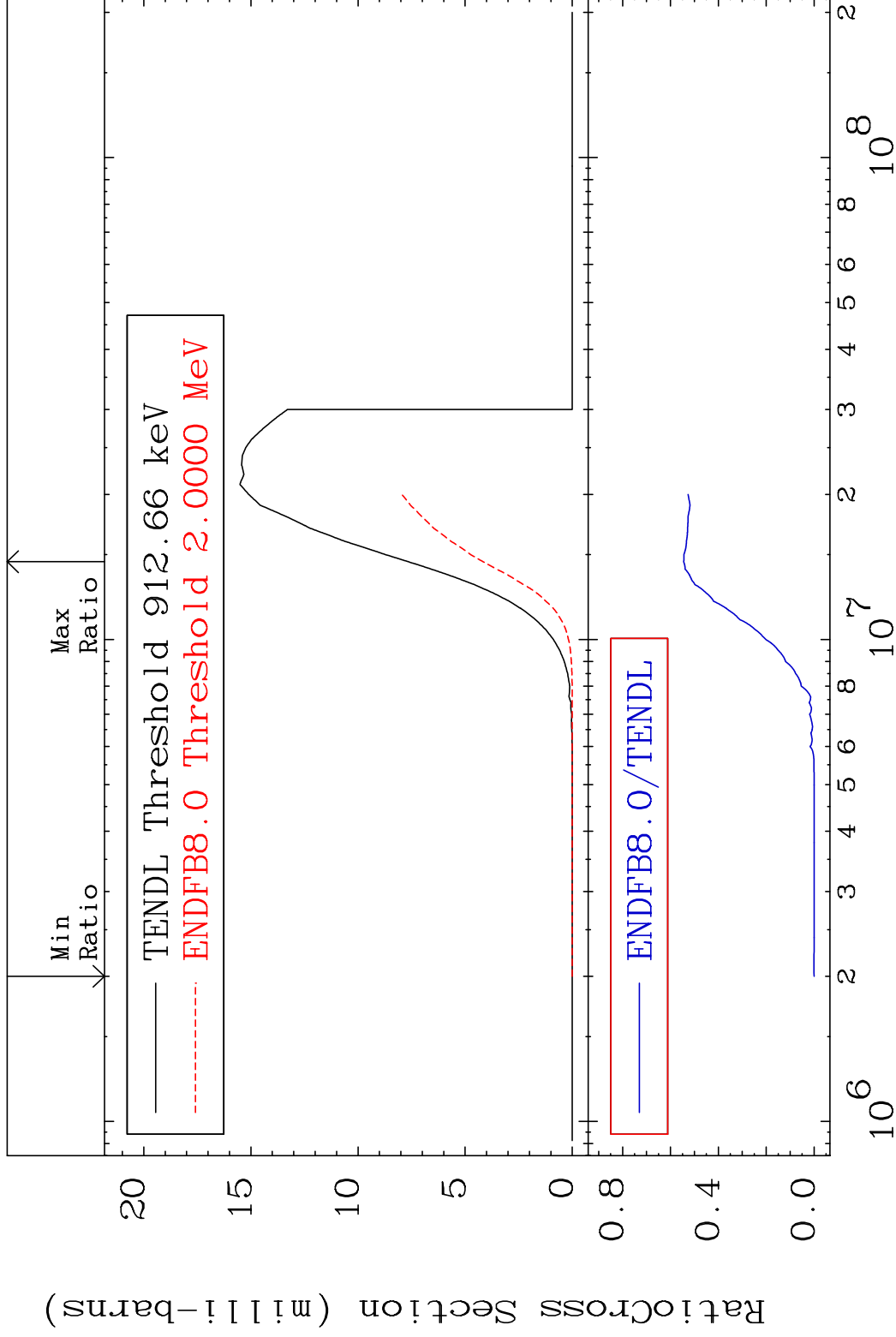
MAT 6155

(n, p)

61-Pm-149

Cross Section

-100.0 To -45.50%



26

Incident Energy (eV)

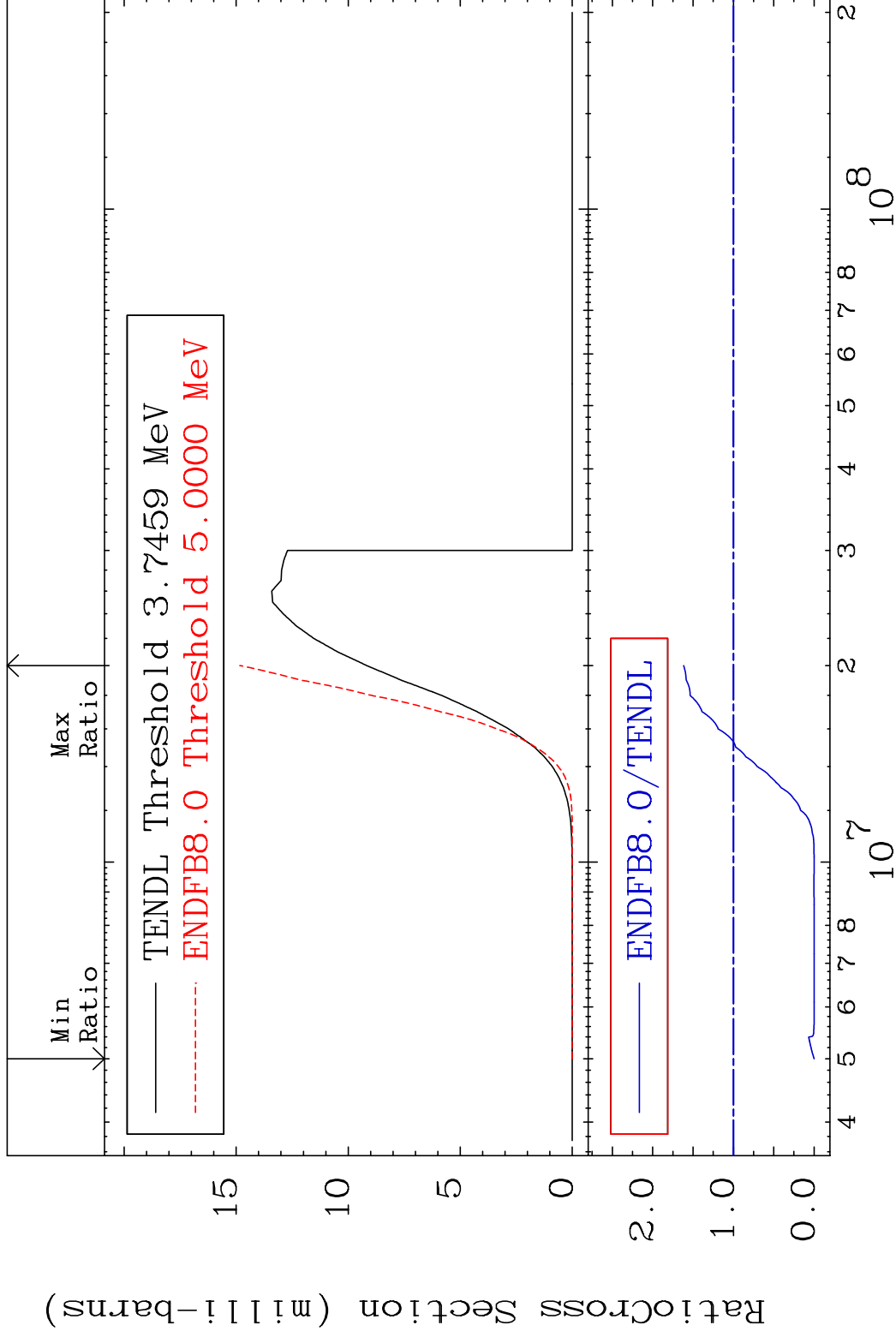
61-Pm-149

MAT 6155

(n, d)

61-Pm-149

Cross Section -100.0 To 61.65 %

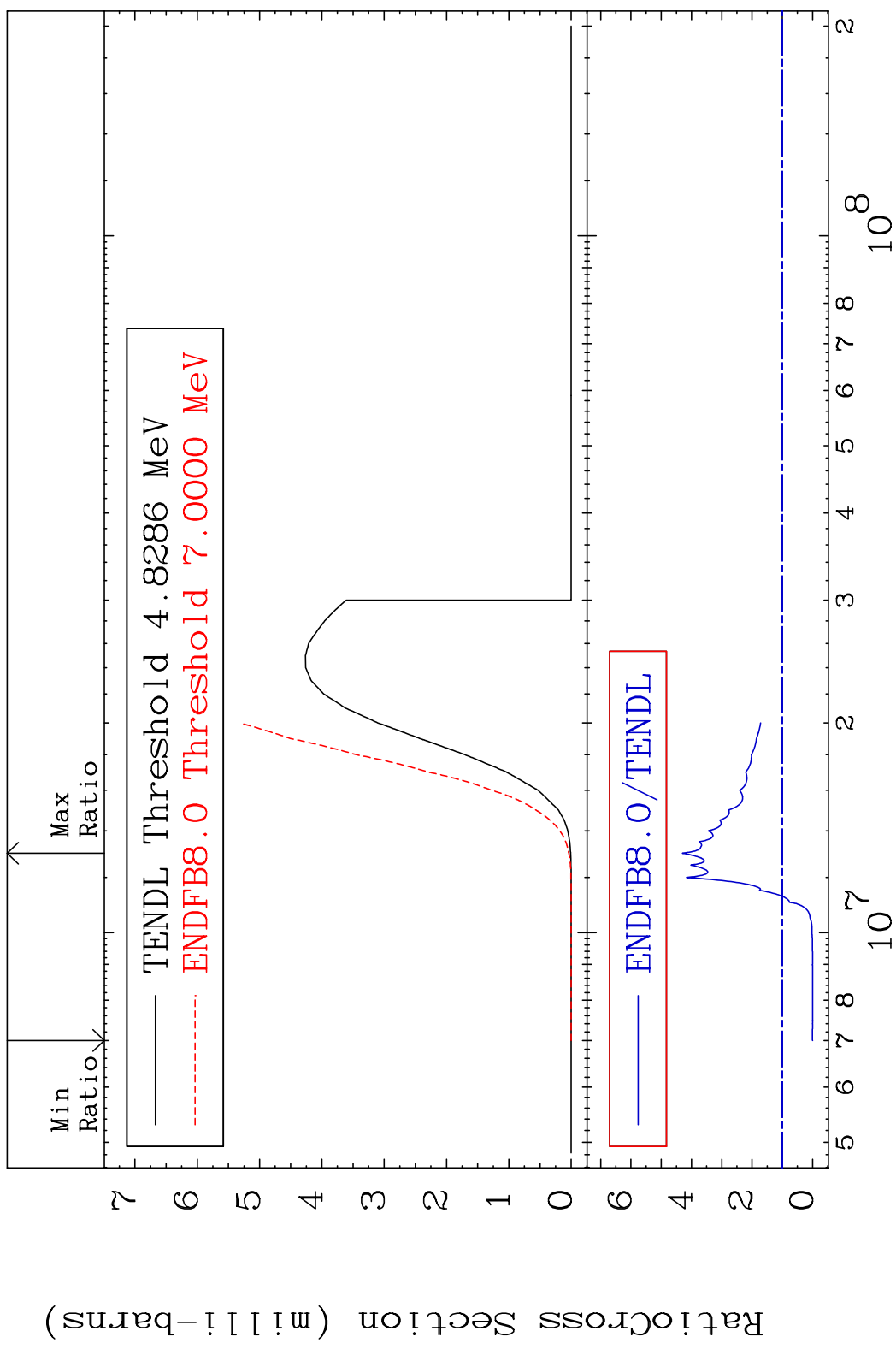


MAT 6155

(n, t)

61-Pm-149

Cross Section -100.0 To 330.2 %

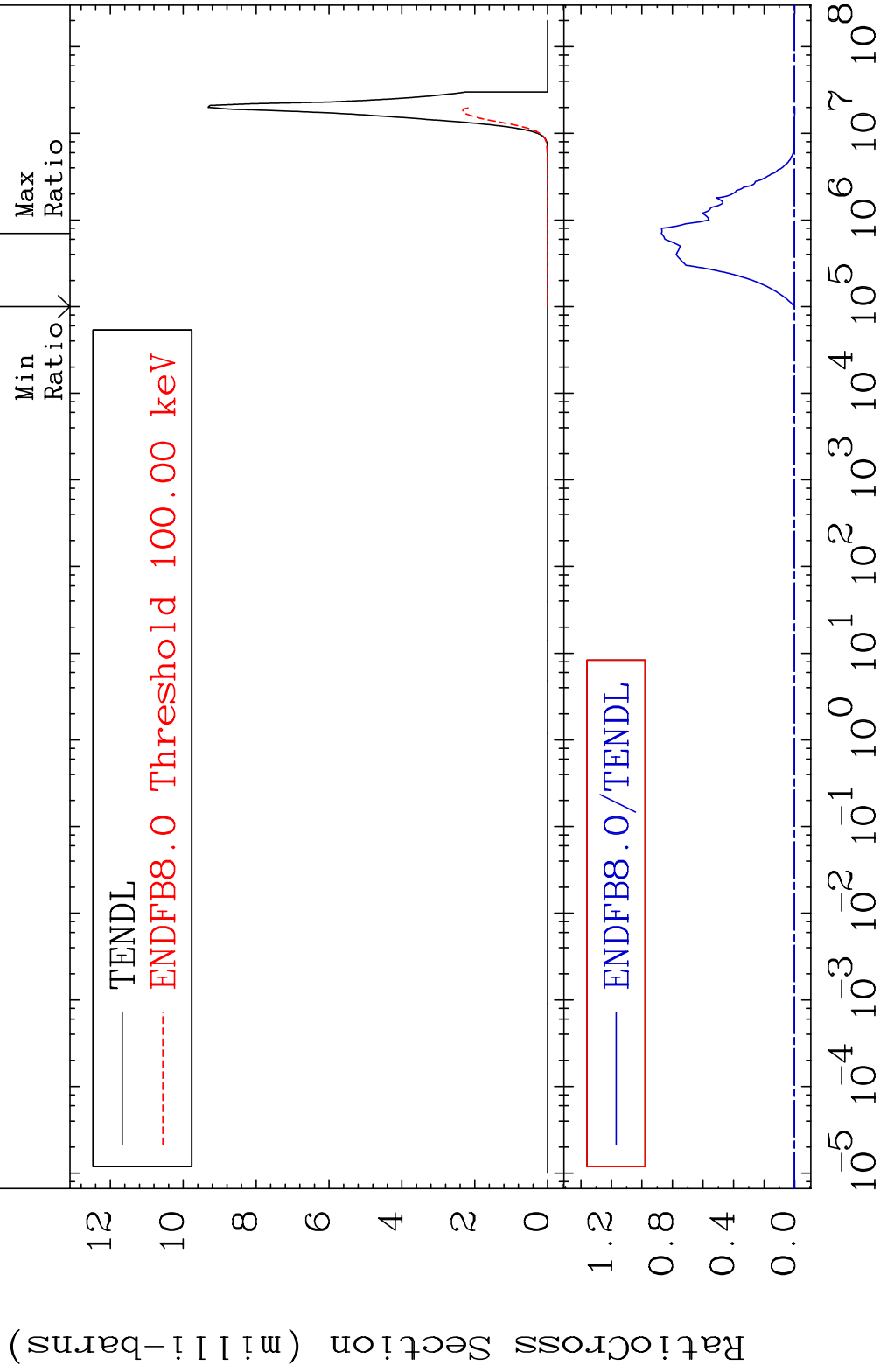


MAT 6155

(n, α)

61-Pm-149

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

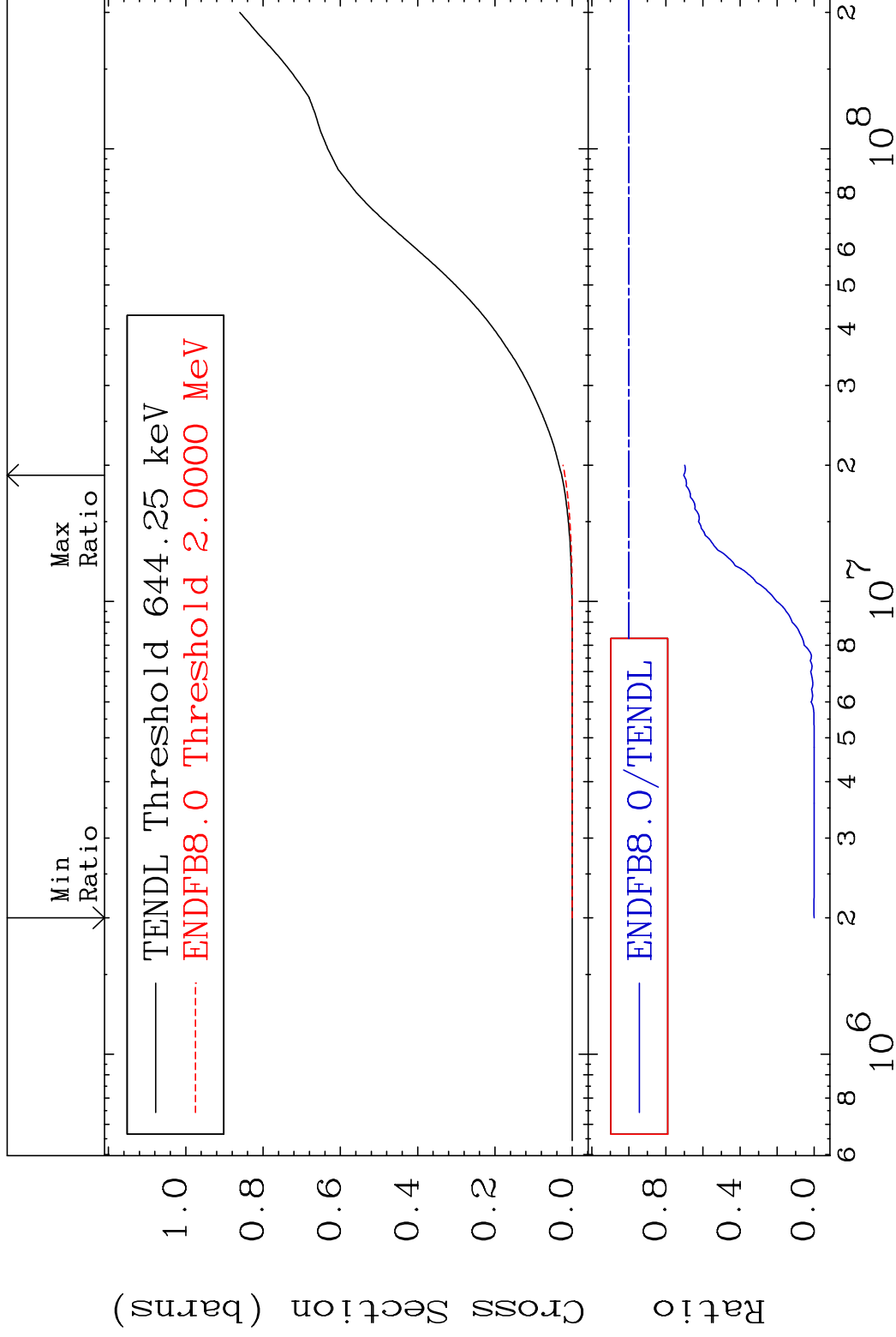
61-Pm-149

MAT 6155

Hydrogen Production

61-Pm-149

Cross Section -100.0 To -29.57%



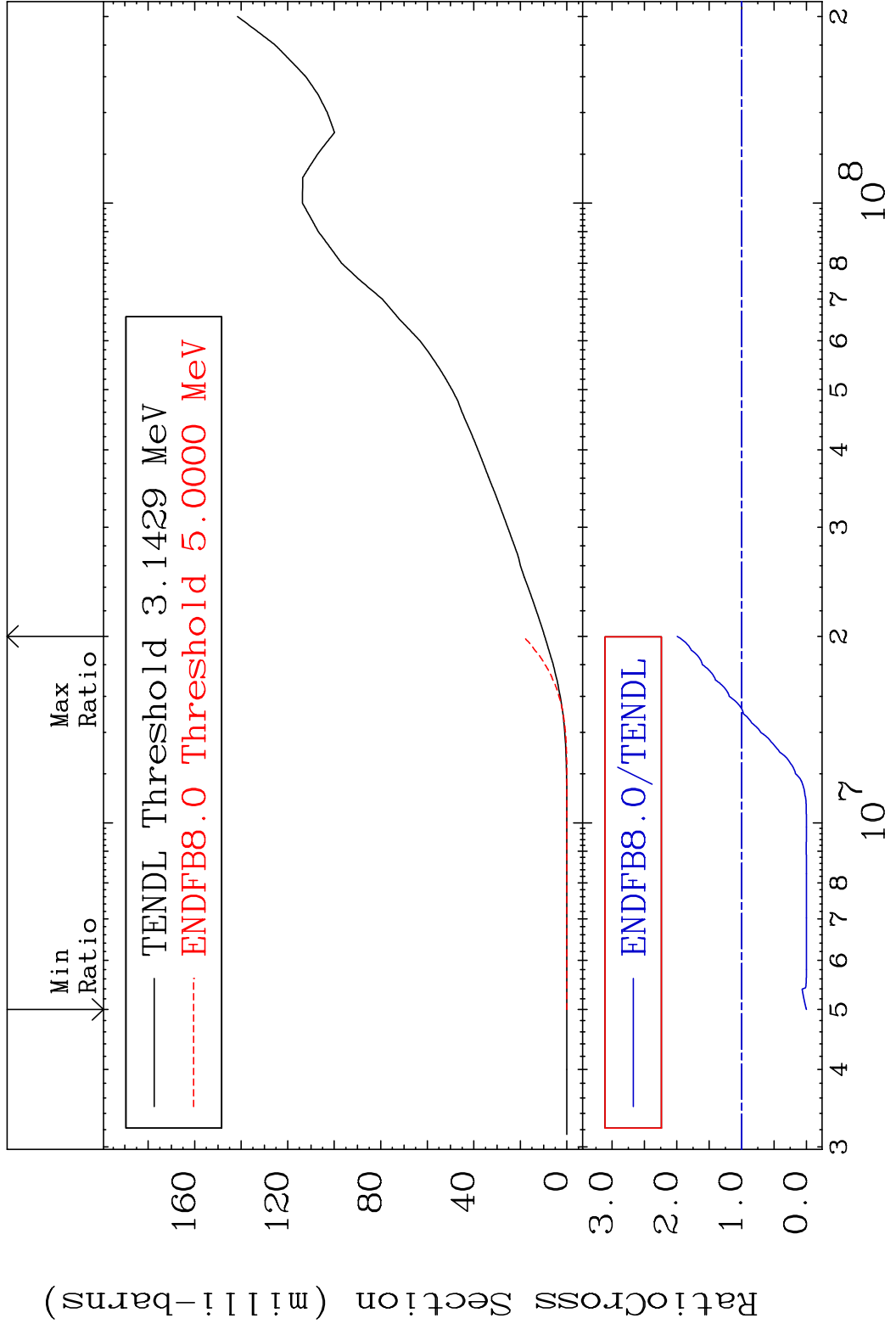
30

Incident Energy (eV)

61-Pm-149

MAT 6155

Deuterium Production 61-Pm-149
Cross Section -100.0 To 99.46 %



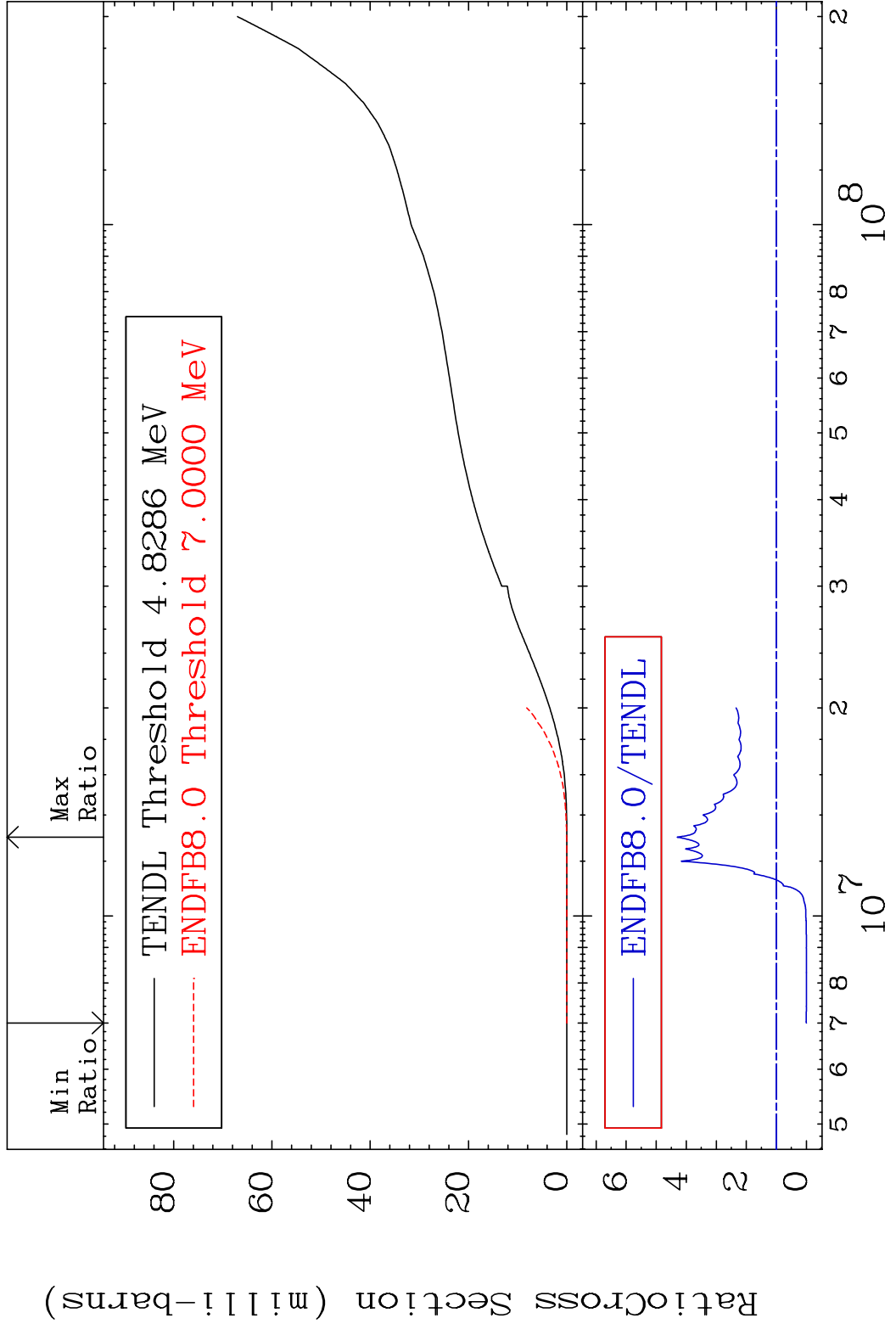
31

Incident Energy (eV)

61-Pm-149

MAT 6155

Tritium Production 61-Pm-149
Cross Section -100.0 To 330.2 %

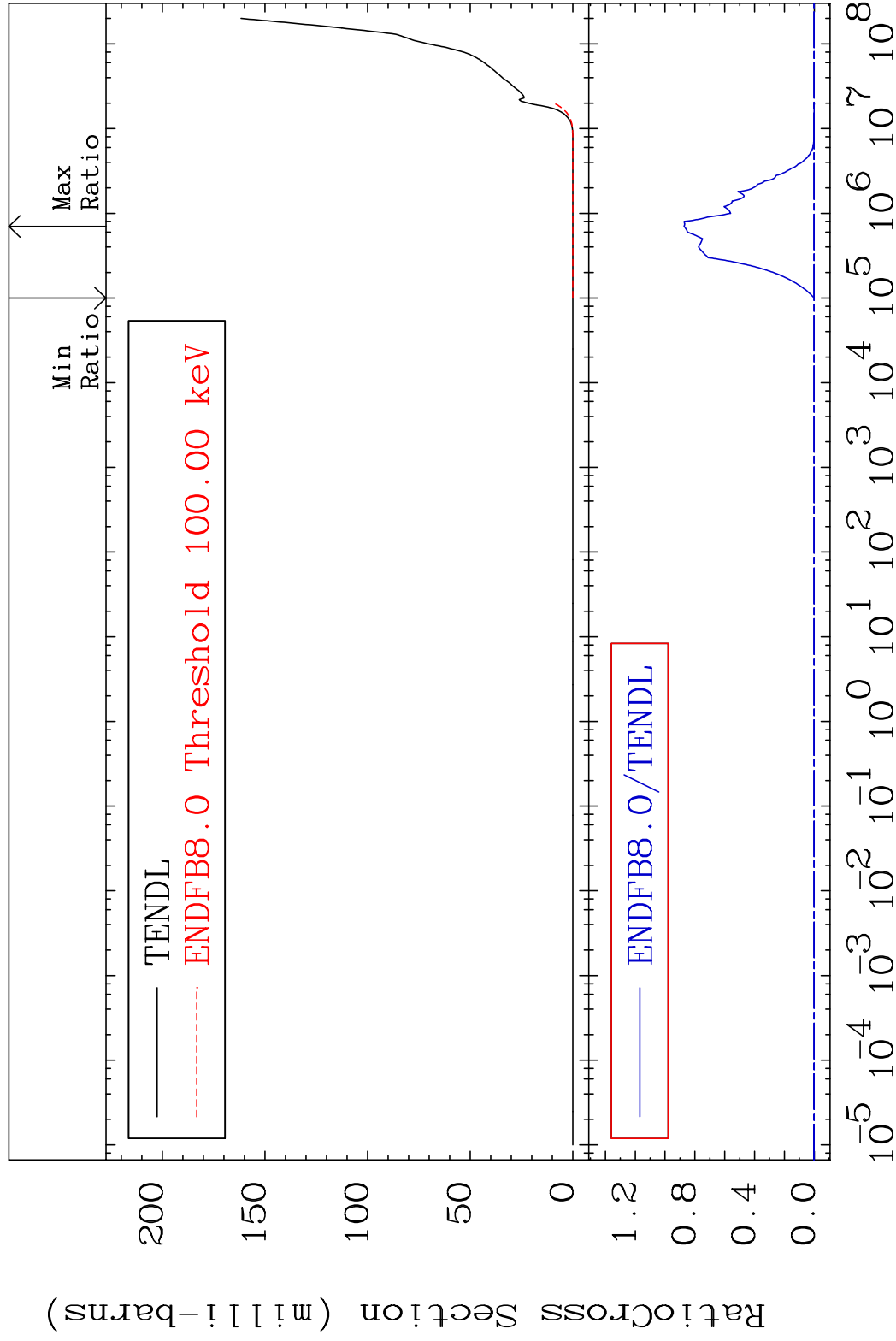


MAT 6155

He-4 Production

61-Pm-149

Cross Section -100.0 To 9999. %

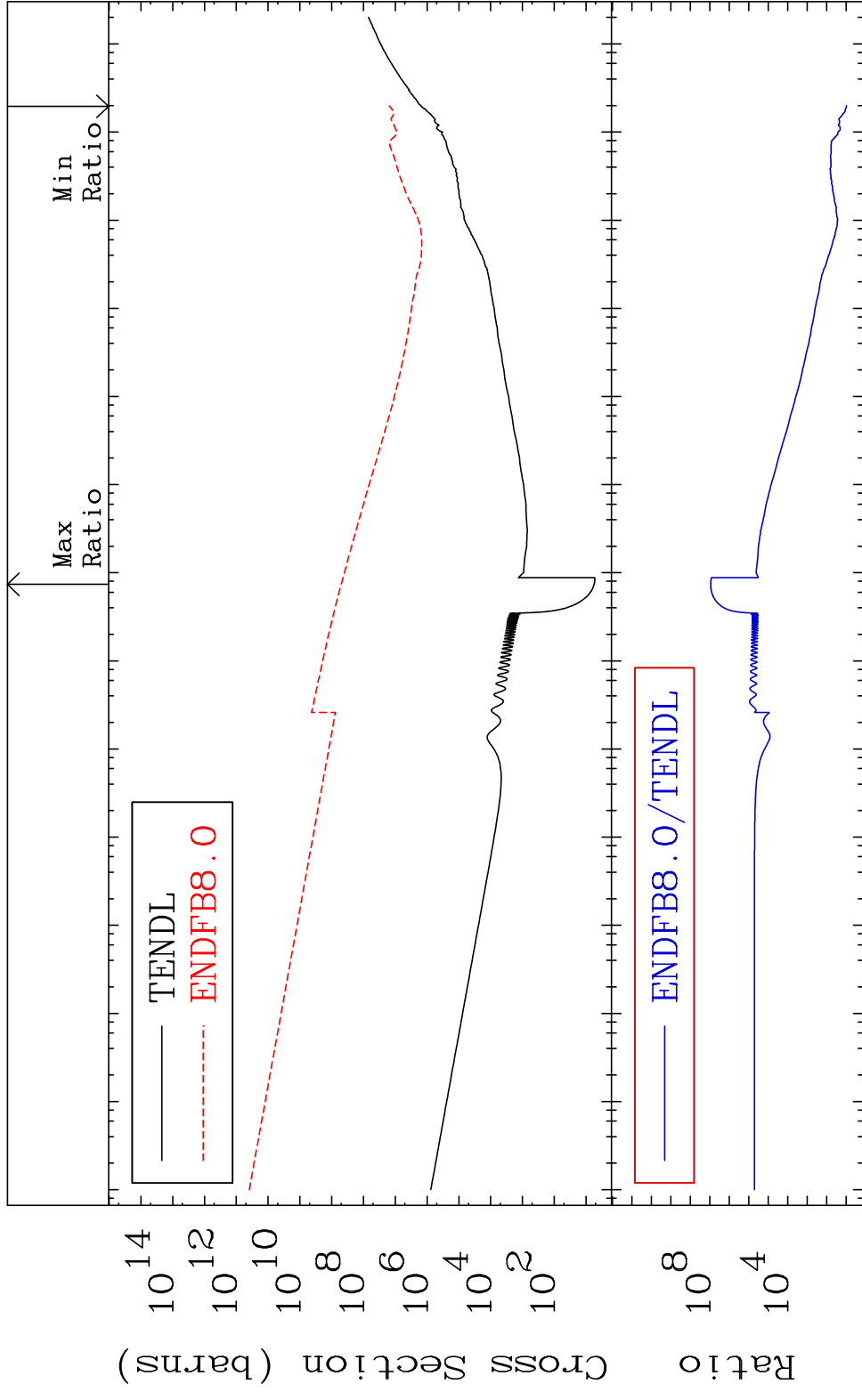


33

Incident Energy (eV)

61-Pm-149

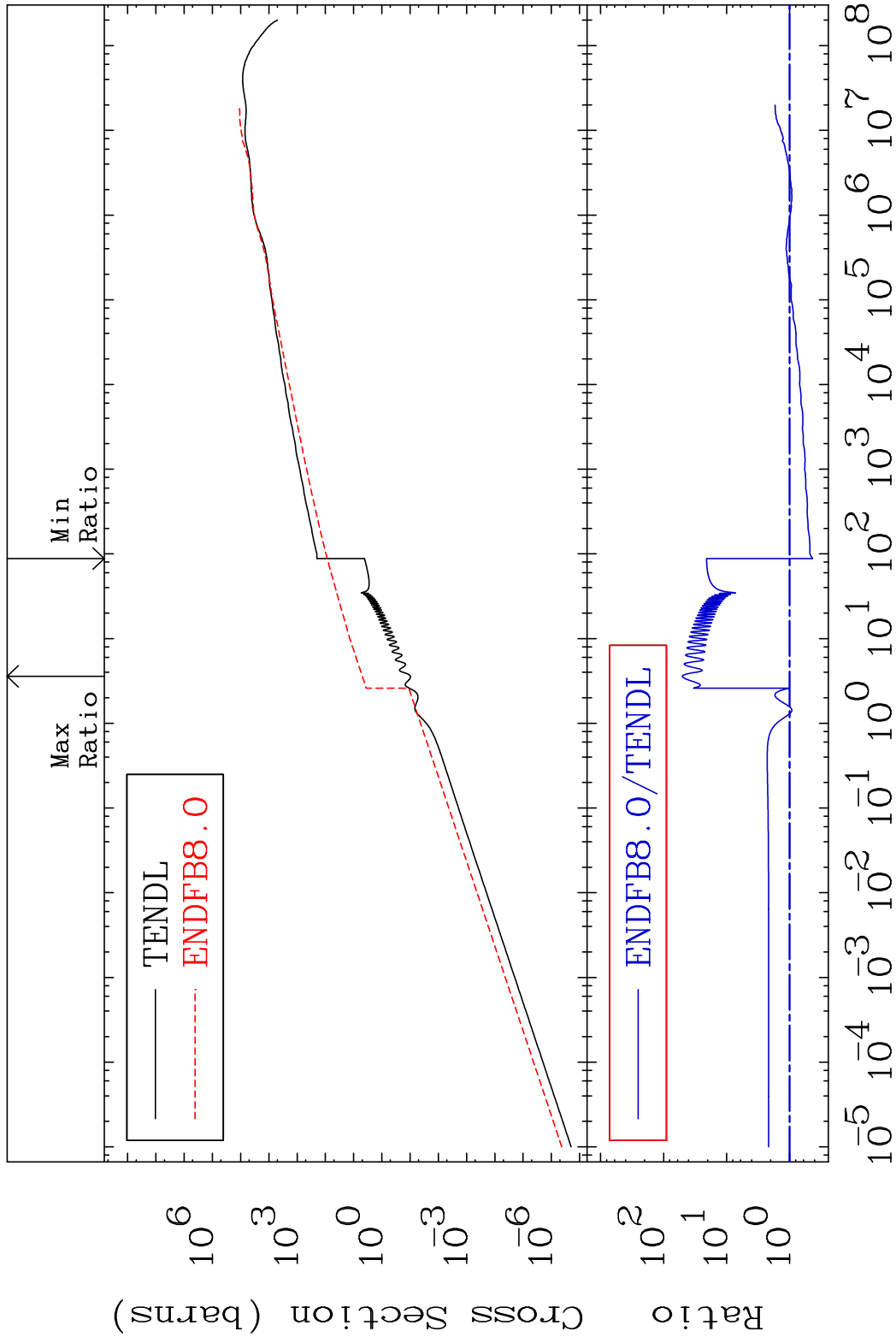
MAT 6155 Kerma total (eV-barns) 61-Pm-149
 Cross Section 891.8 To 9999. %



MAT 6155

Kerma elastic
Cross Section

61-Pm-149
-56.81 To 4936. %

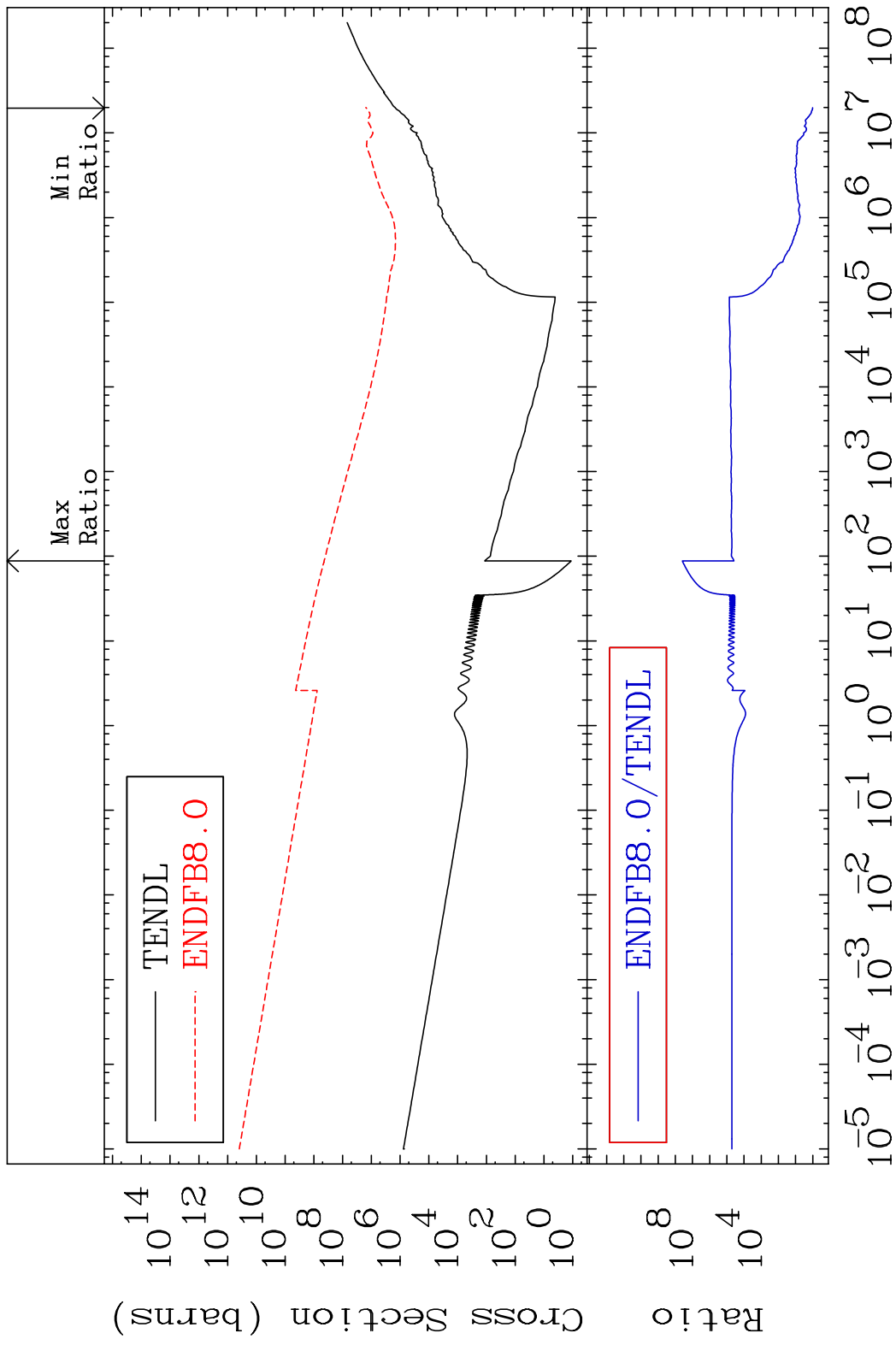


35

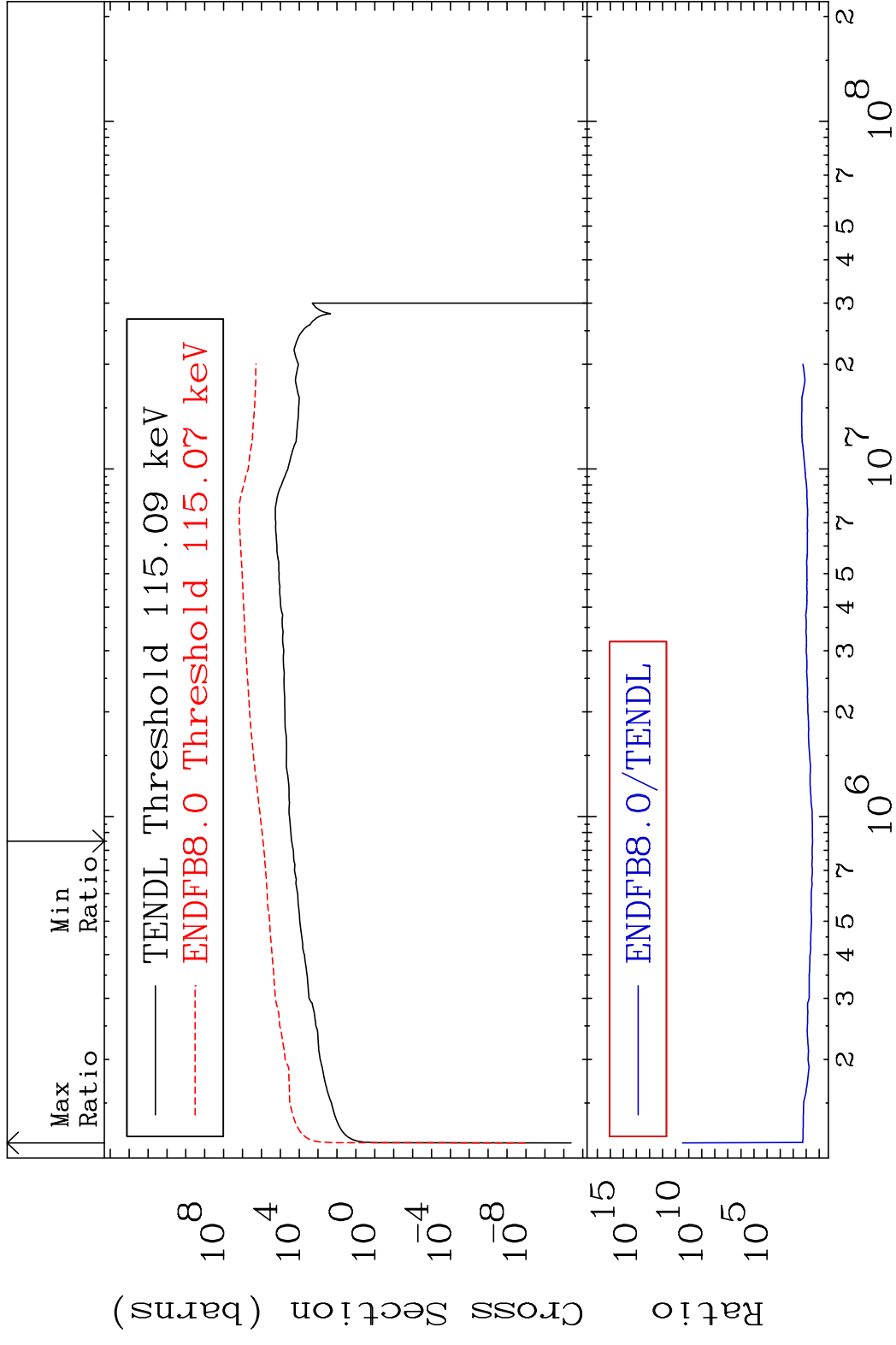
Incident Energy (eV)

61-Pm-149

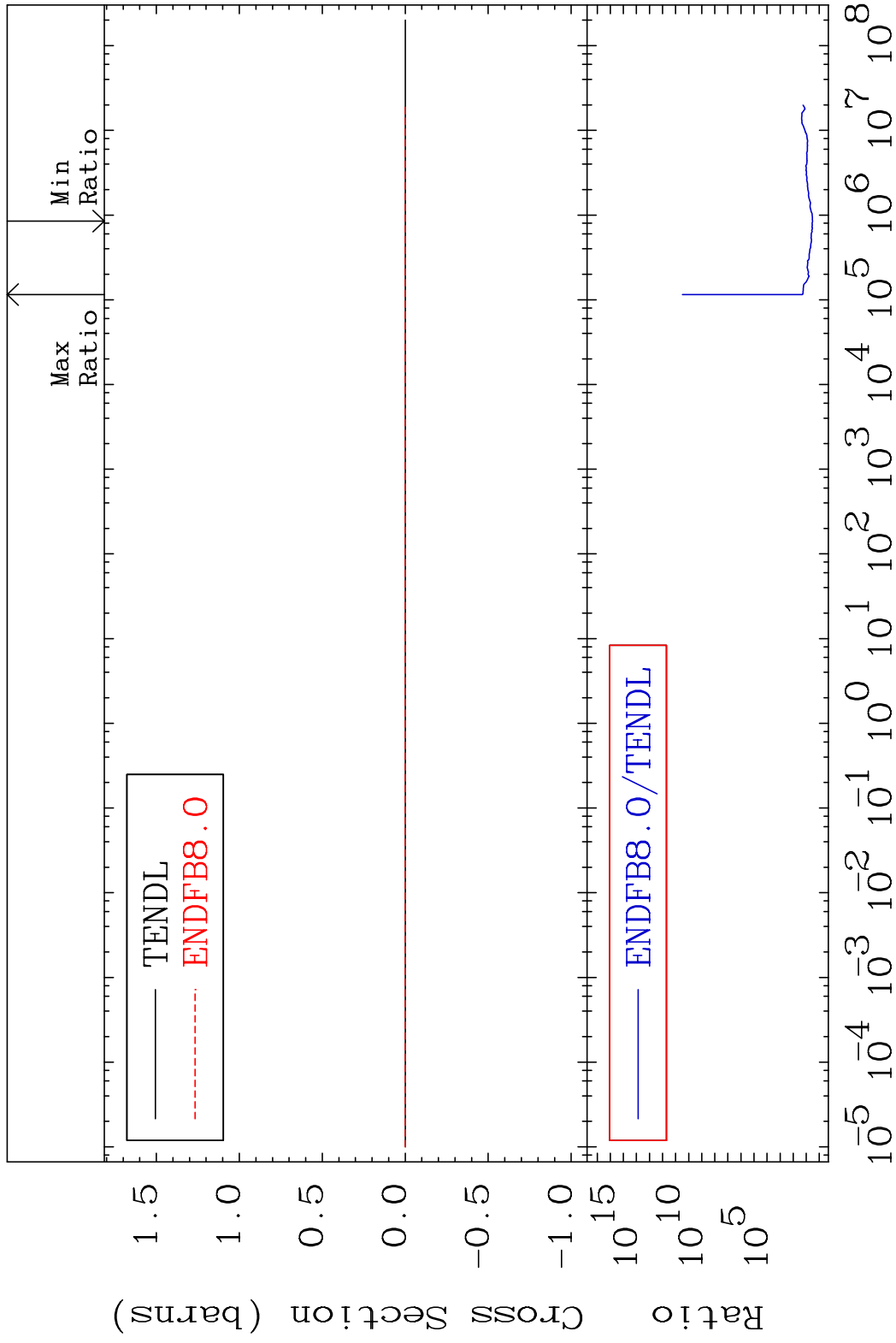
MAT 6155 Kerma non-elastic (all but mt2) 61-Pm-149
 Cross Section 929.2 To 9999. %



MAT 6155 Kerma inelastic (mt51-91) 61-Pm-149
 Cross Section 3185. To 9999. %

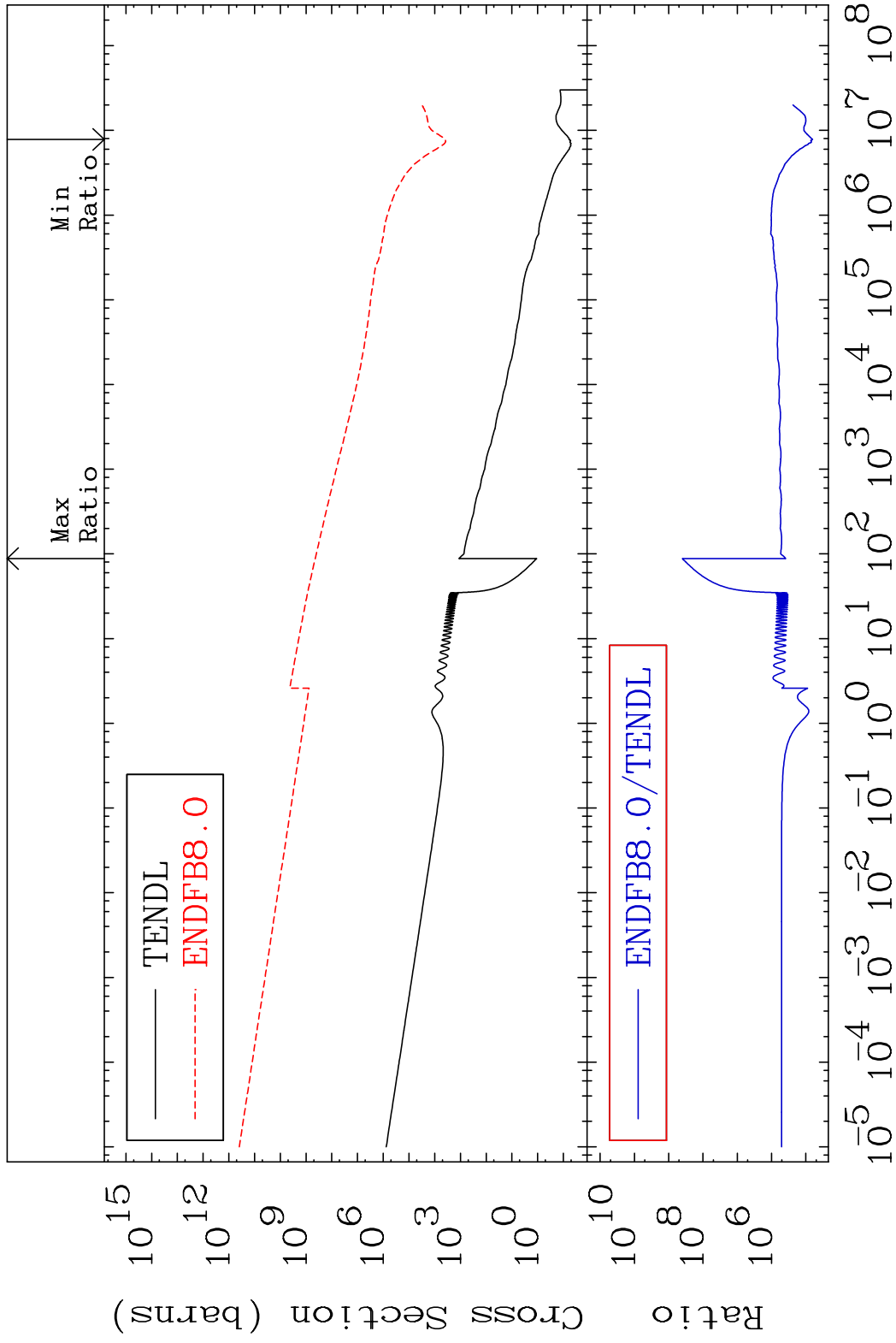


MAT 6155 Kerma fission (mt18 or mt19-20-21-38) 61-Pm-149
 Cross Section 3185. To 9999. %



MAT 6155

Kerma capture (mt102) 61-Pm-149
Cross Section 9999. To 9999. %

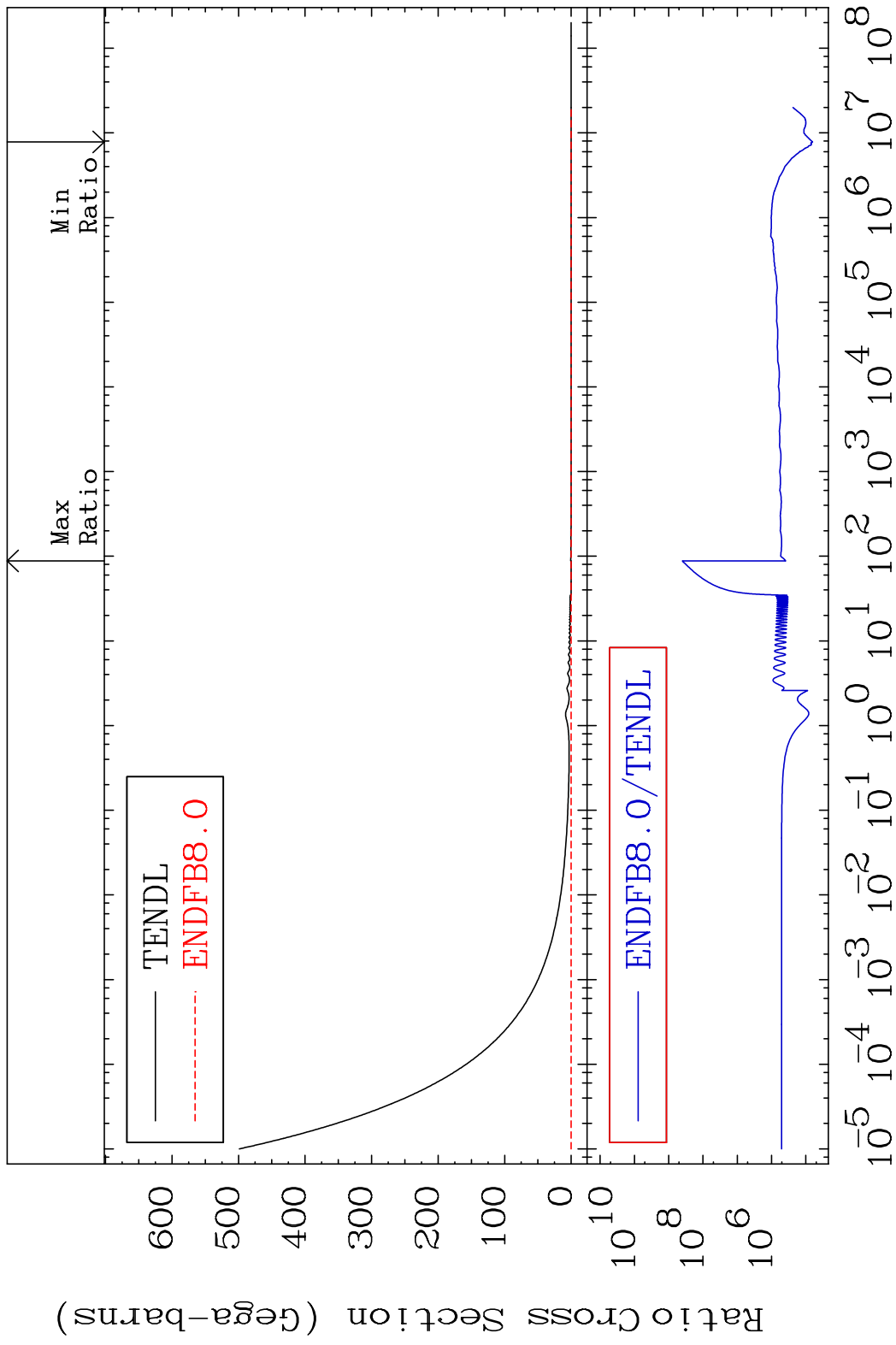


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Incident Energy (eV)

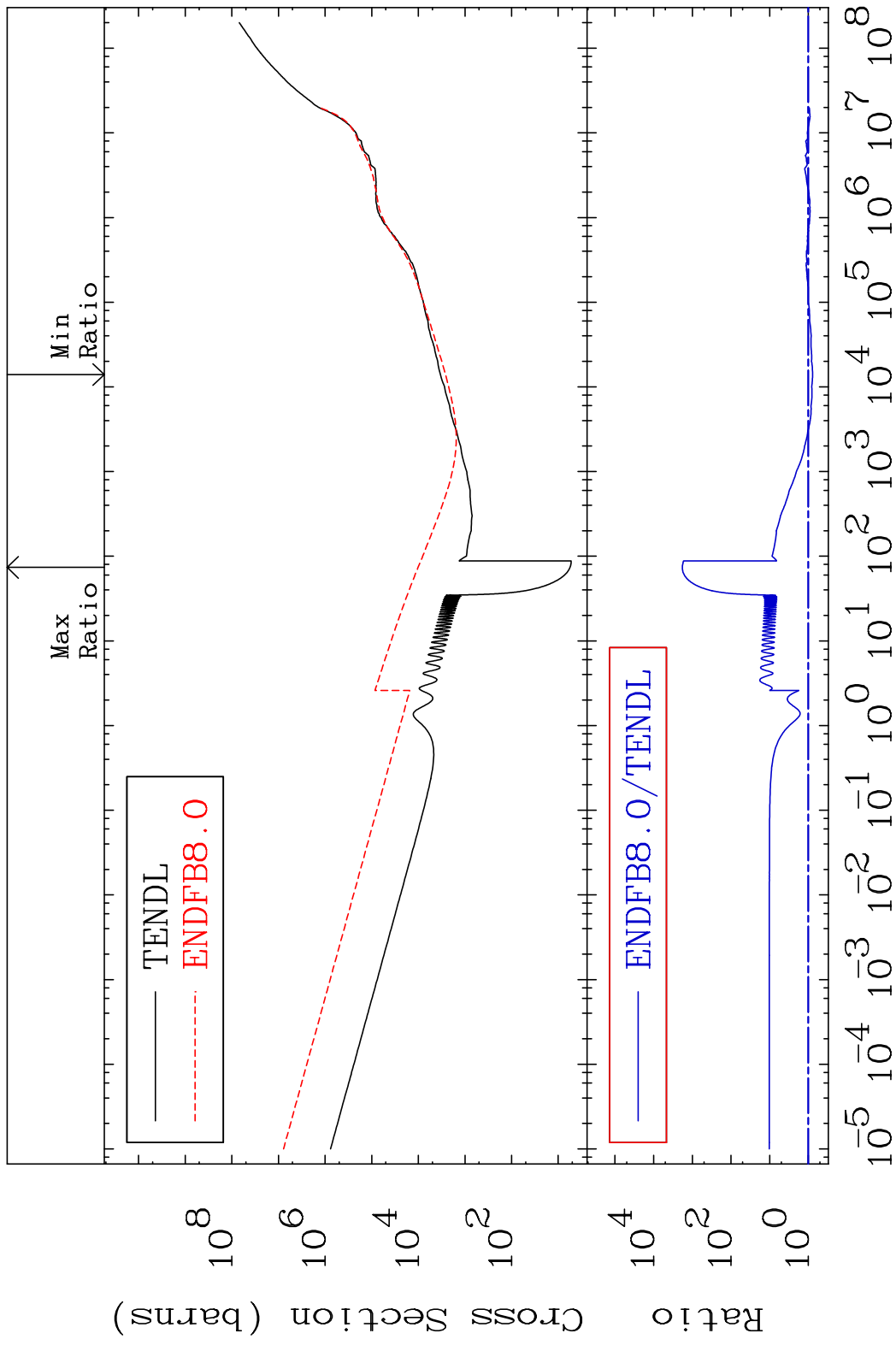
61-Pm-149

MAT 6155 Total photon (eV-barns) 61-Pm-149
 Cross Section 9999. To 9999. %

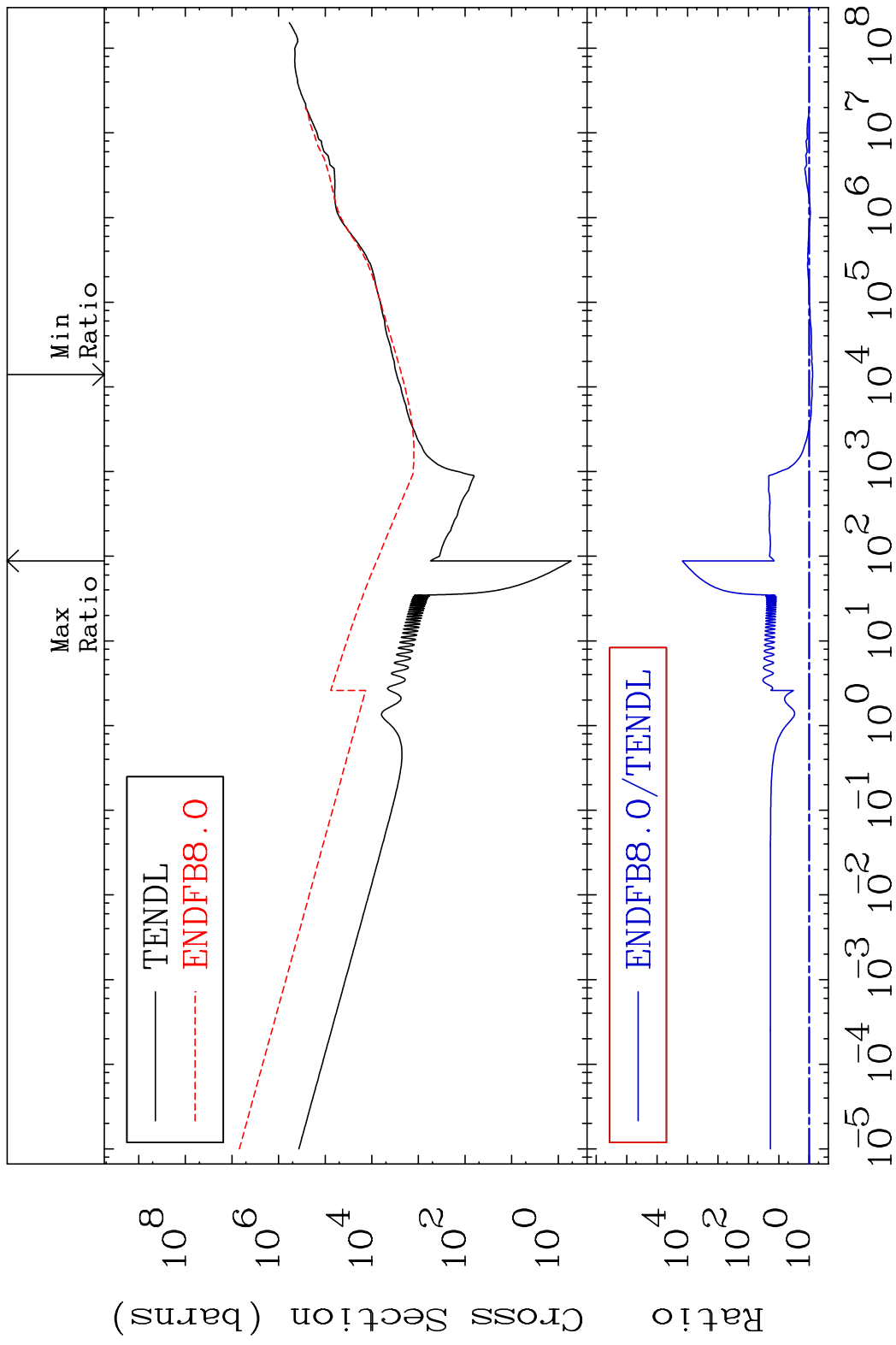


40 Incident Energy (eV) 61-Pm-149

MAT 6155 Total kinematic kerma (high limit) 61-Pm-149
 Cross Section -22.16 To 9999. %



MAT 6155 Dpa total (eV-barns) 61-Pm-149
 Cross Section -21.94 To 9999. %



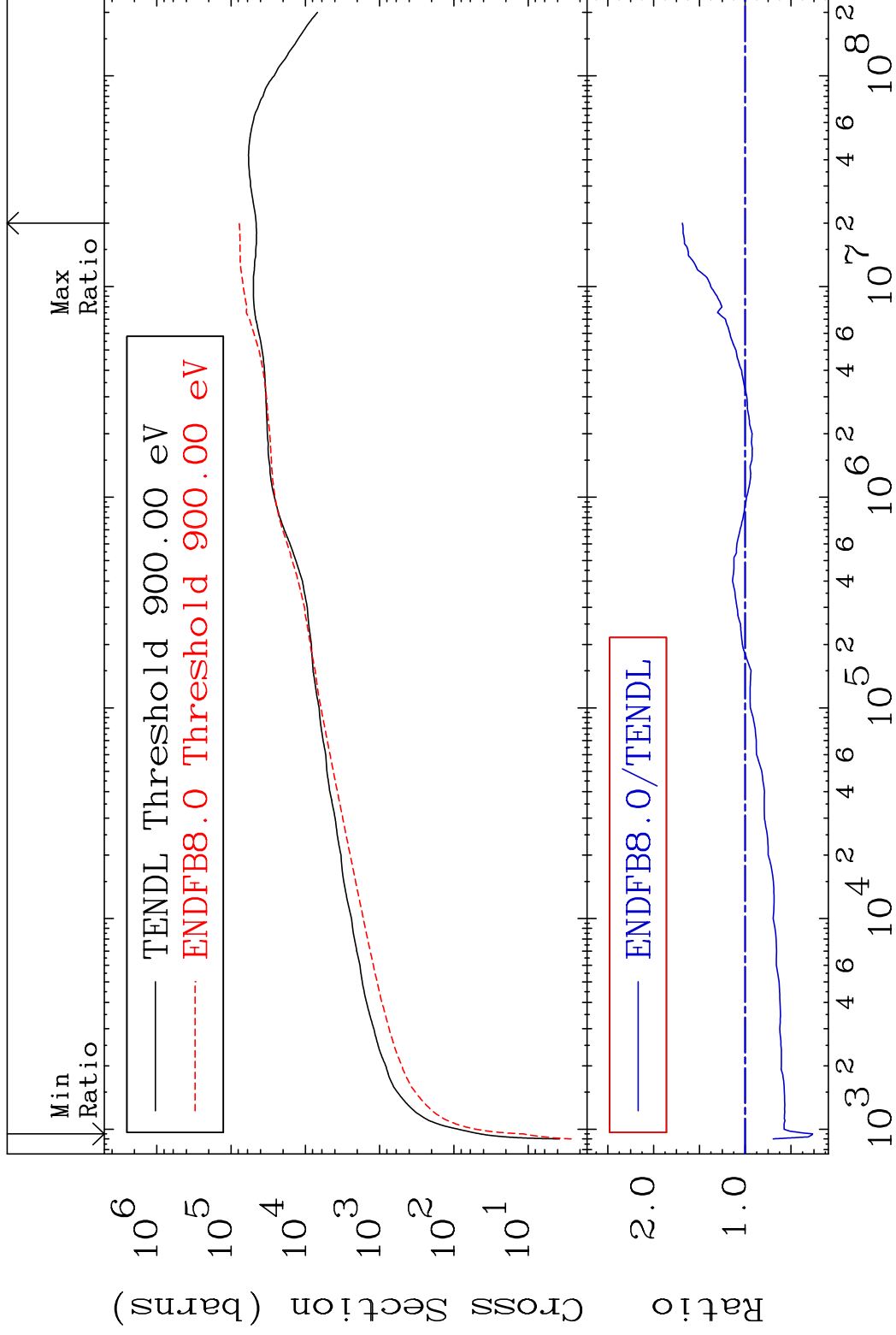
42 Incident Energy (eV) 61-Pm-149

MAT 6155

Dpa elastic (mt2)

61-Pm-149

Cross Section -73.49 To 68.58 %

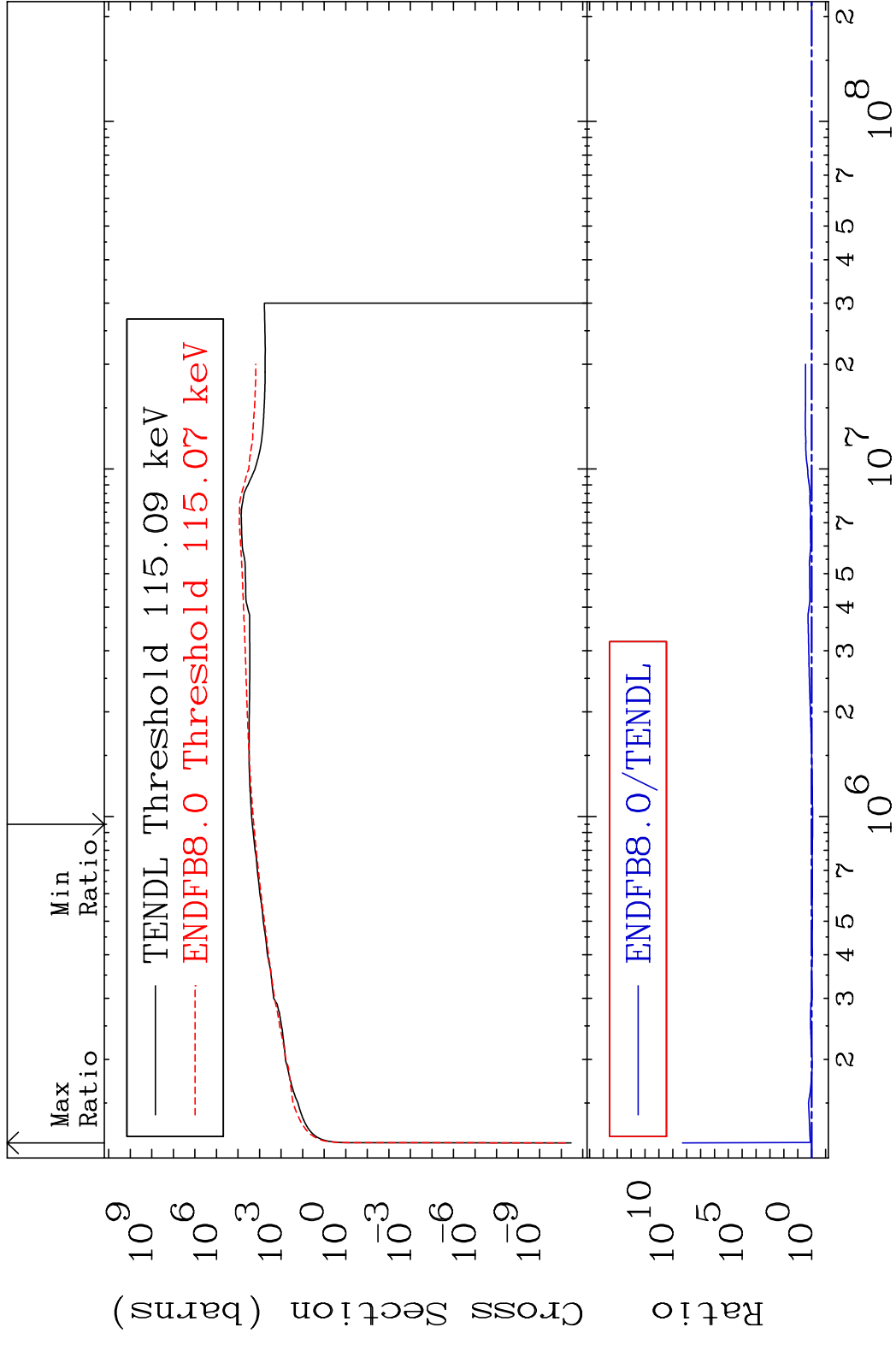


43

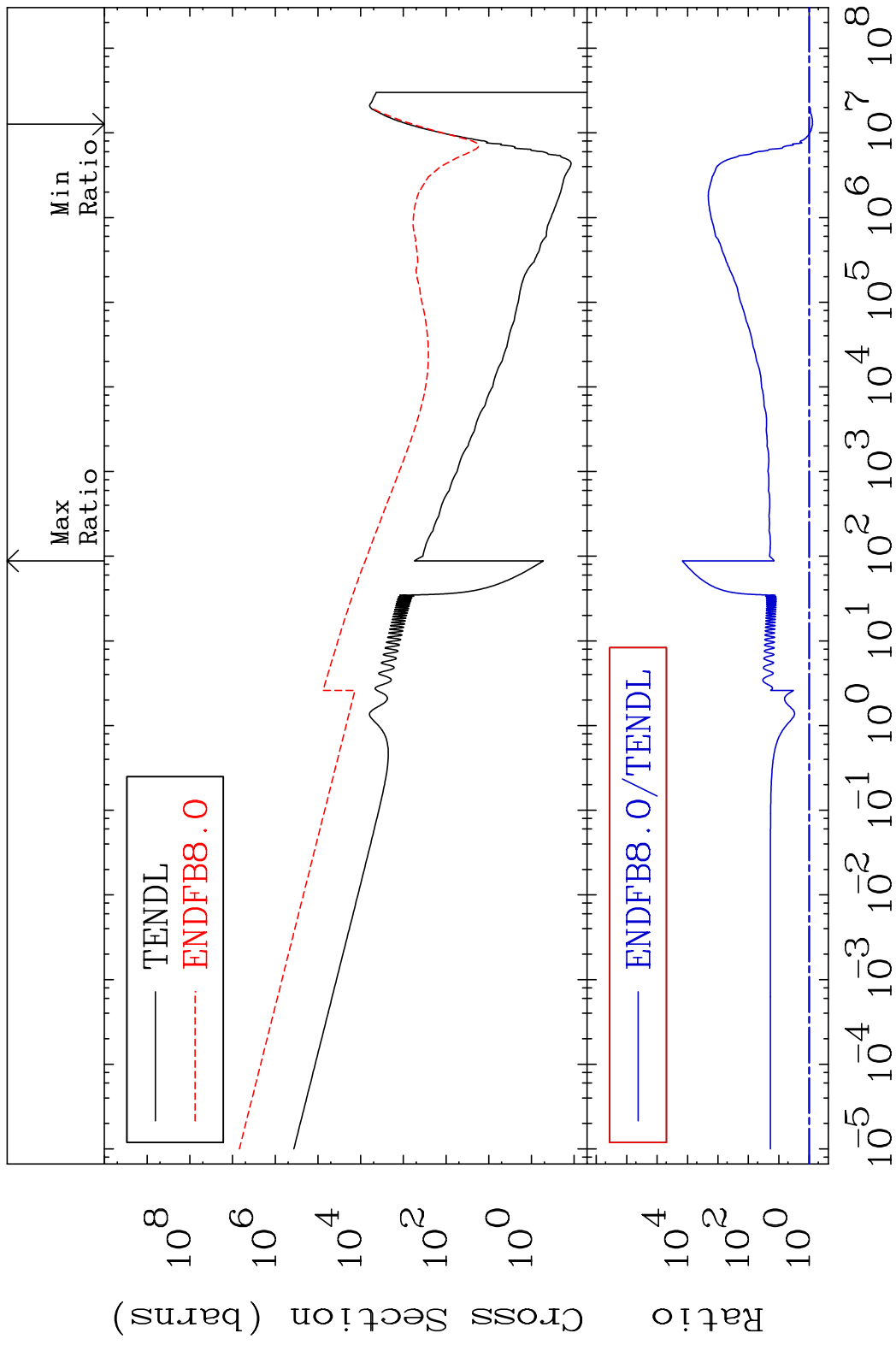
Incident Energy (eV)

61-Pm-149

MAT 6155 Dpa inelastic (mt51-91) 61-Pm-149
 Cross Section -13.82 To 9999. %



MAT 6155 Dpa disappearance (mt102 -120) 61-Pm-149
 Cross Section -22.27 To 9999. %



45 Incident Energy (eV) 61-Pm-149