

Program Complot
(Version 2021-1)

by

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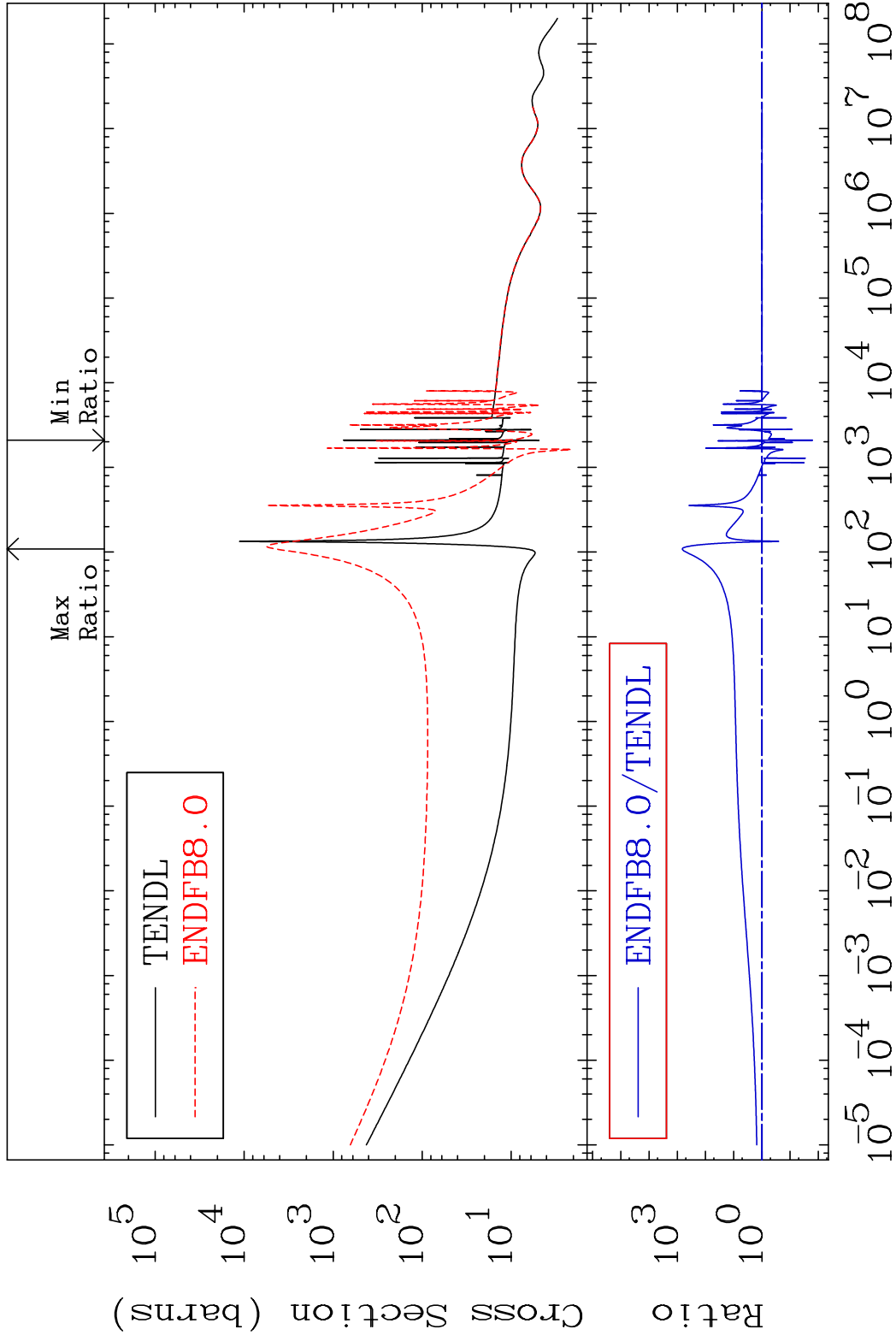
Press Mouse Button to Start

MAT 8434

Total

84-Po-209

Cross Section -98.40 To 9999. %



1

Incident Energy (eV)

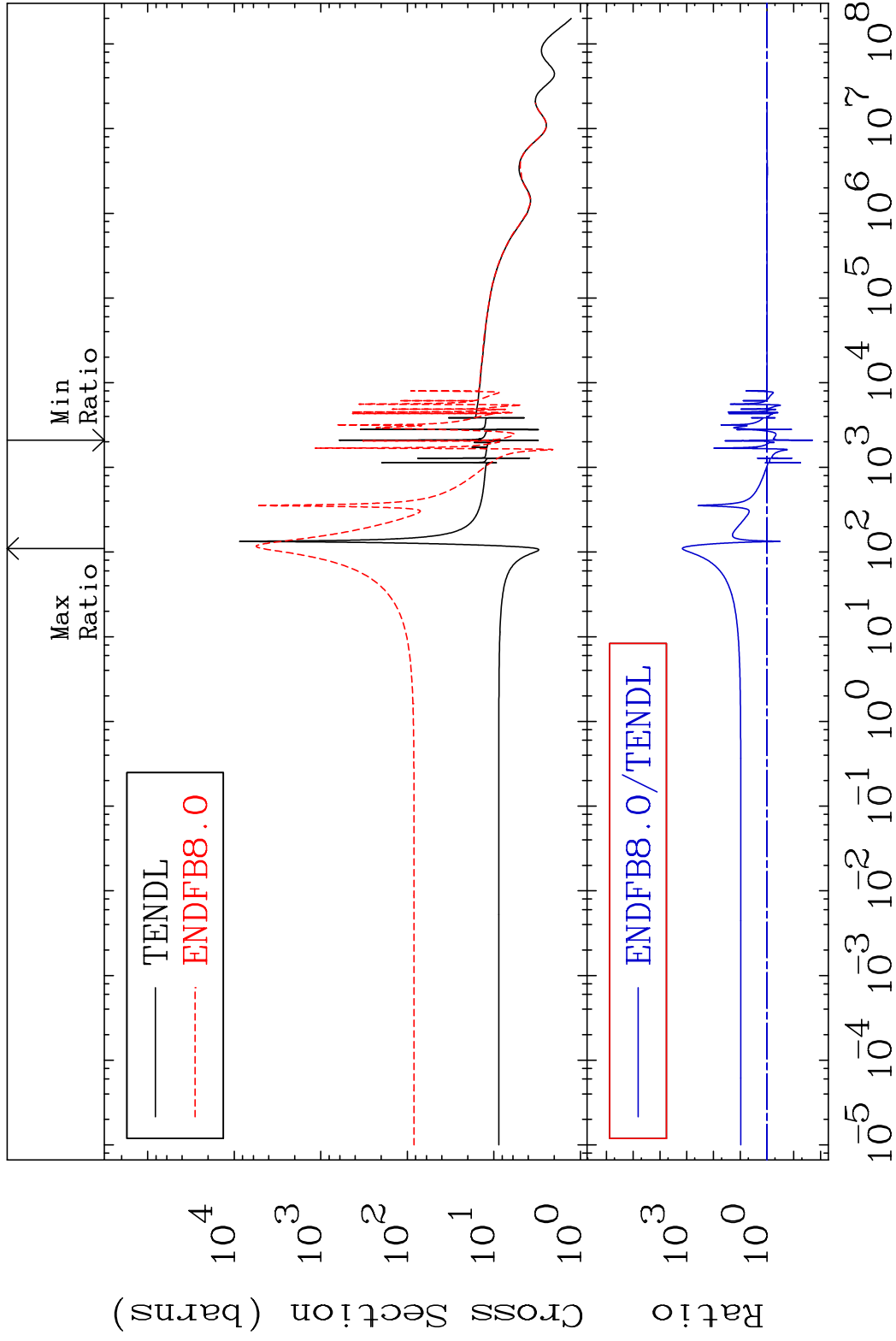
84-Po-209

MAT 8434

Elastic

84-Po-209

Cross Section -98.02 To 9999. %



2

Incident Energy (eV)

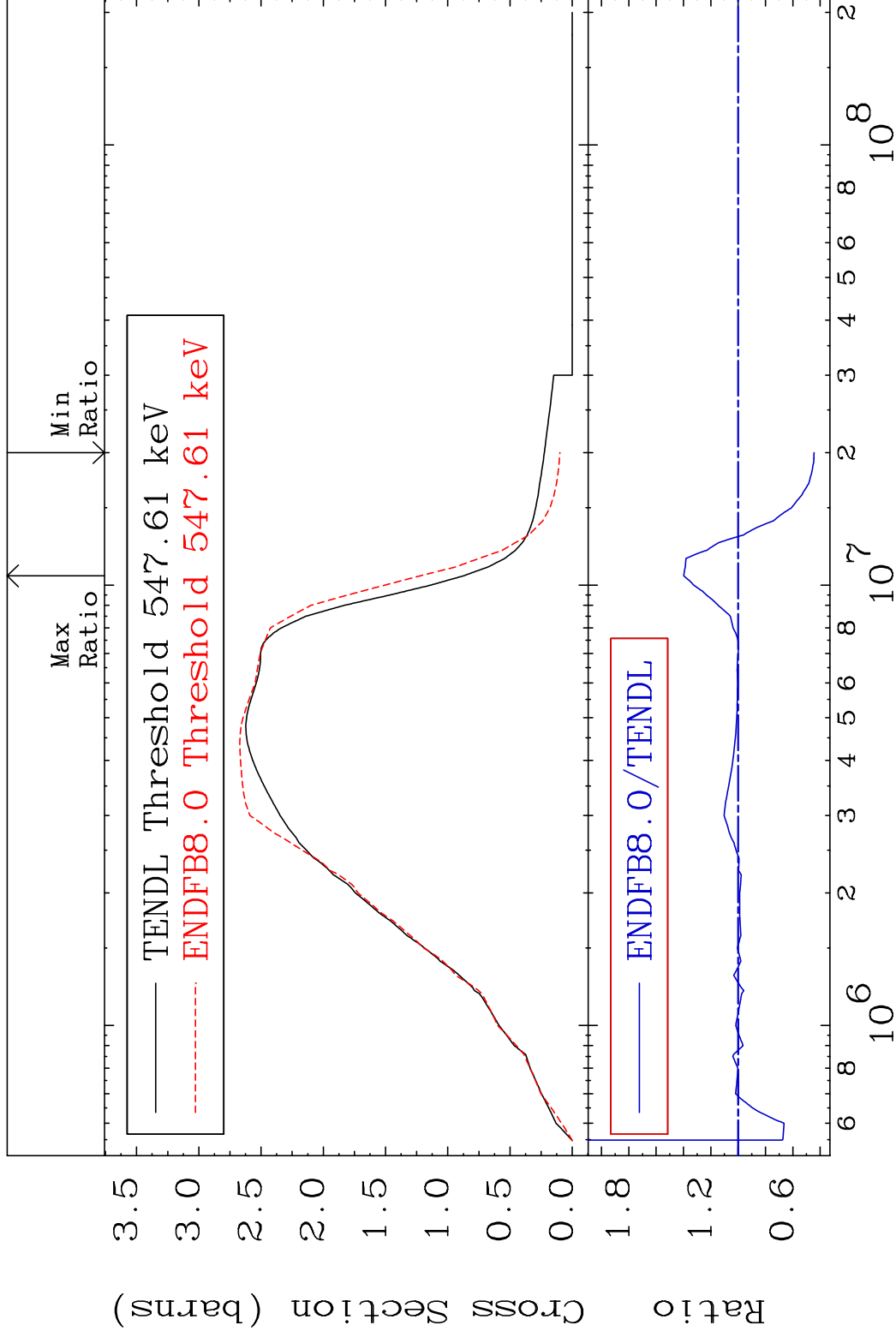
84-Po-209

MAT 8434

Inelastic

84-Po-209

Cross Section -55.58 To 39.86 %



3

Incident Energy (eV)

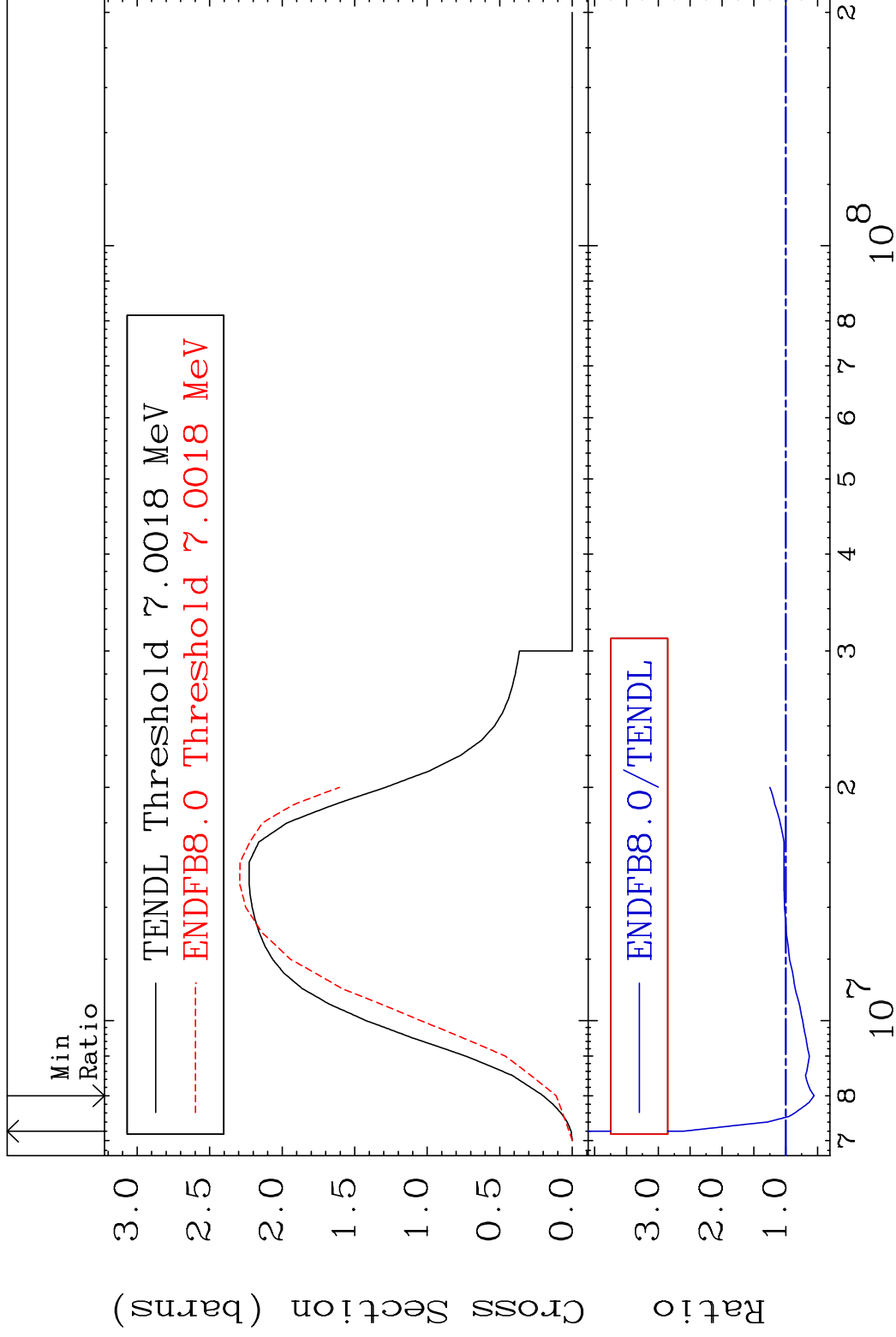
84-Po-209

MAT 8434

(n,2n)

84-Po-209

Cross Section -44.52 To 160.2 %



4

Incident Energy (eV)

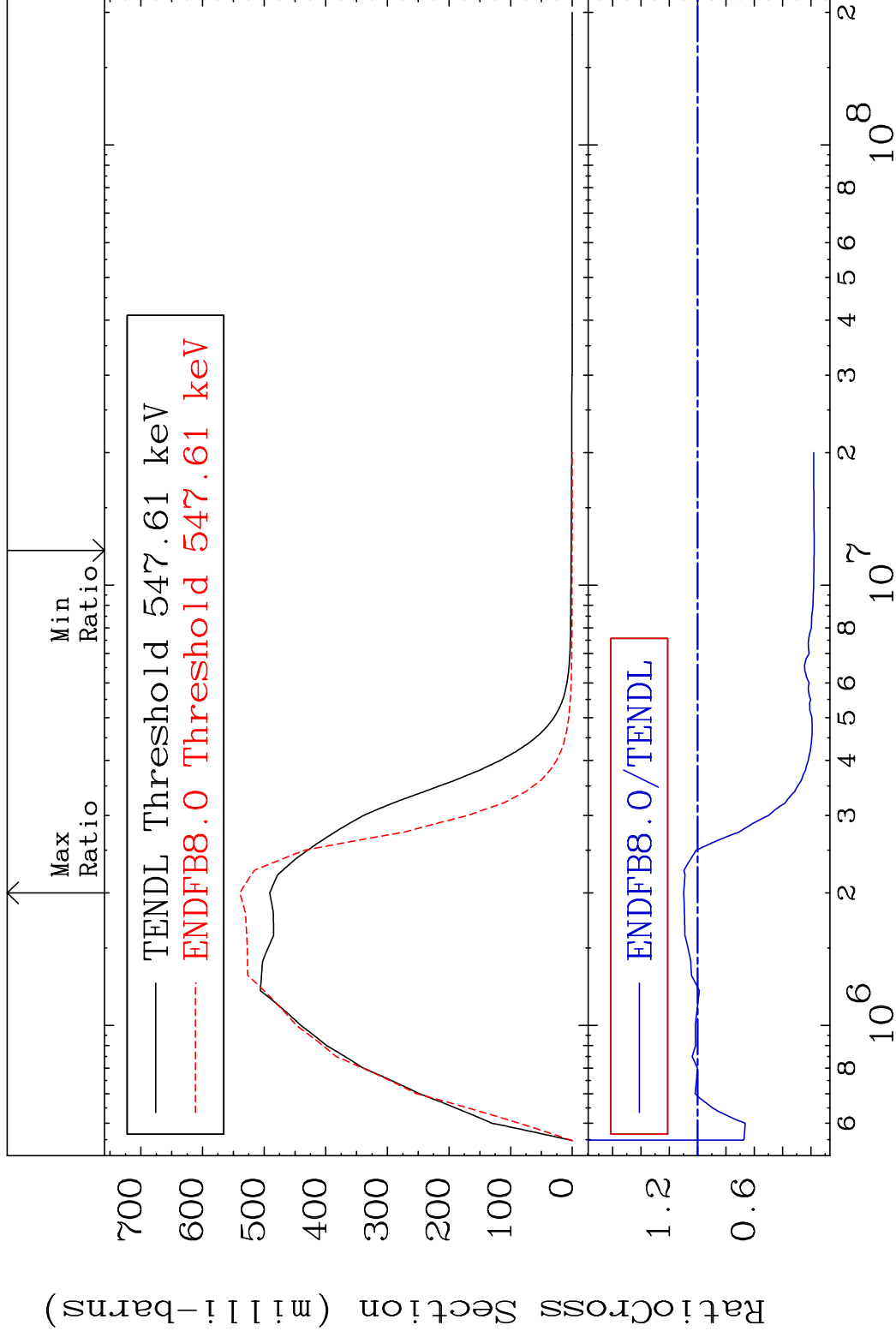
84-Po-209

MAT 8434

MT= 51 (n, n') Level

84-Po-209

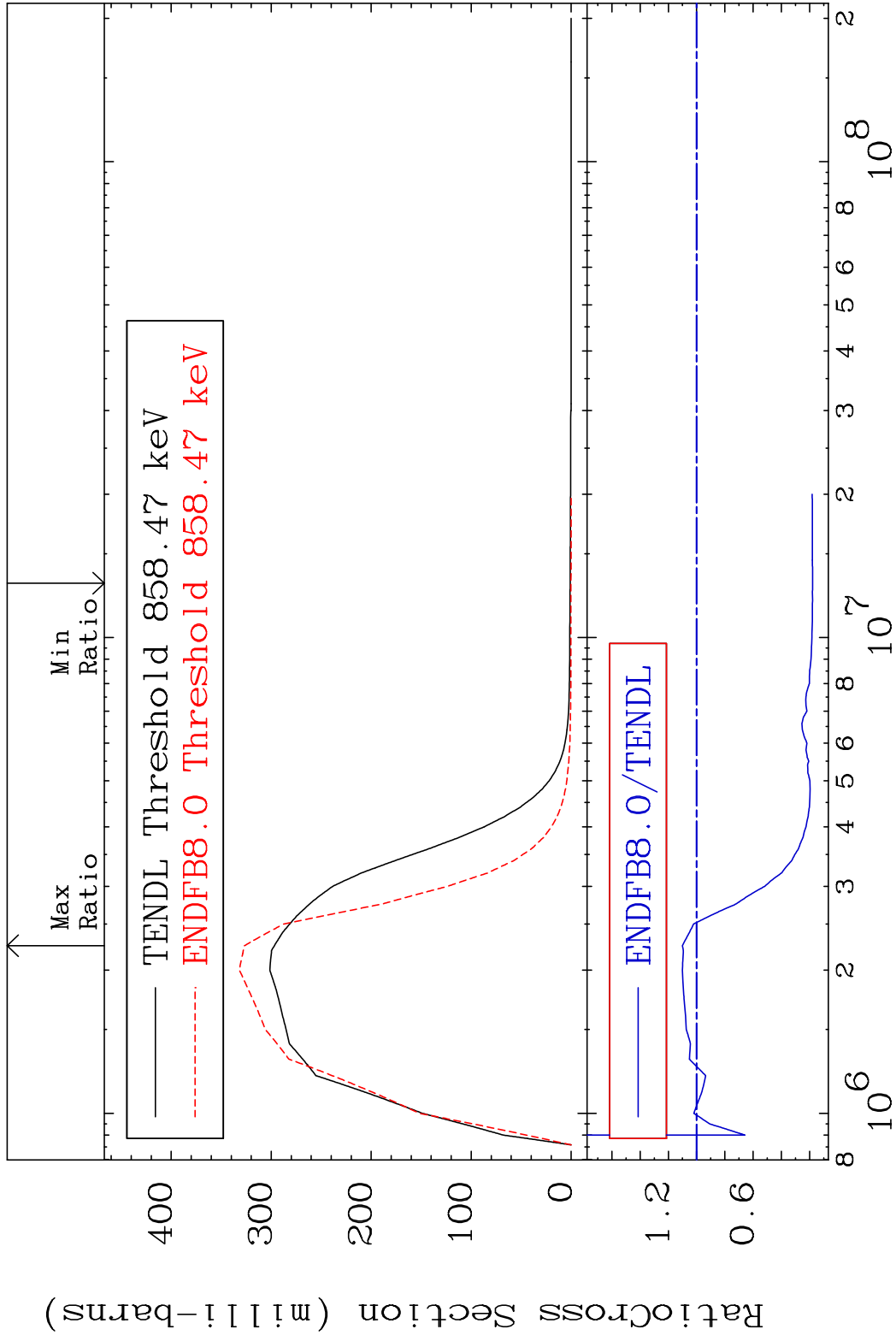
Cross Section -82.26 To 9.898 %



MAT 8434

MT= 52 (n, n') Level 84-Po-209

Cross Section -82.09 To 10.10 %

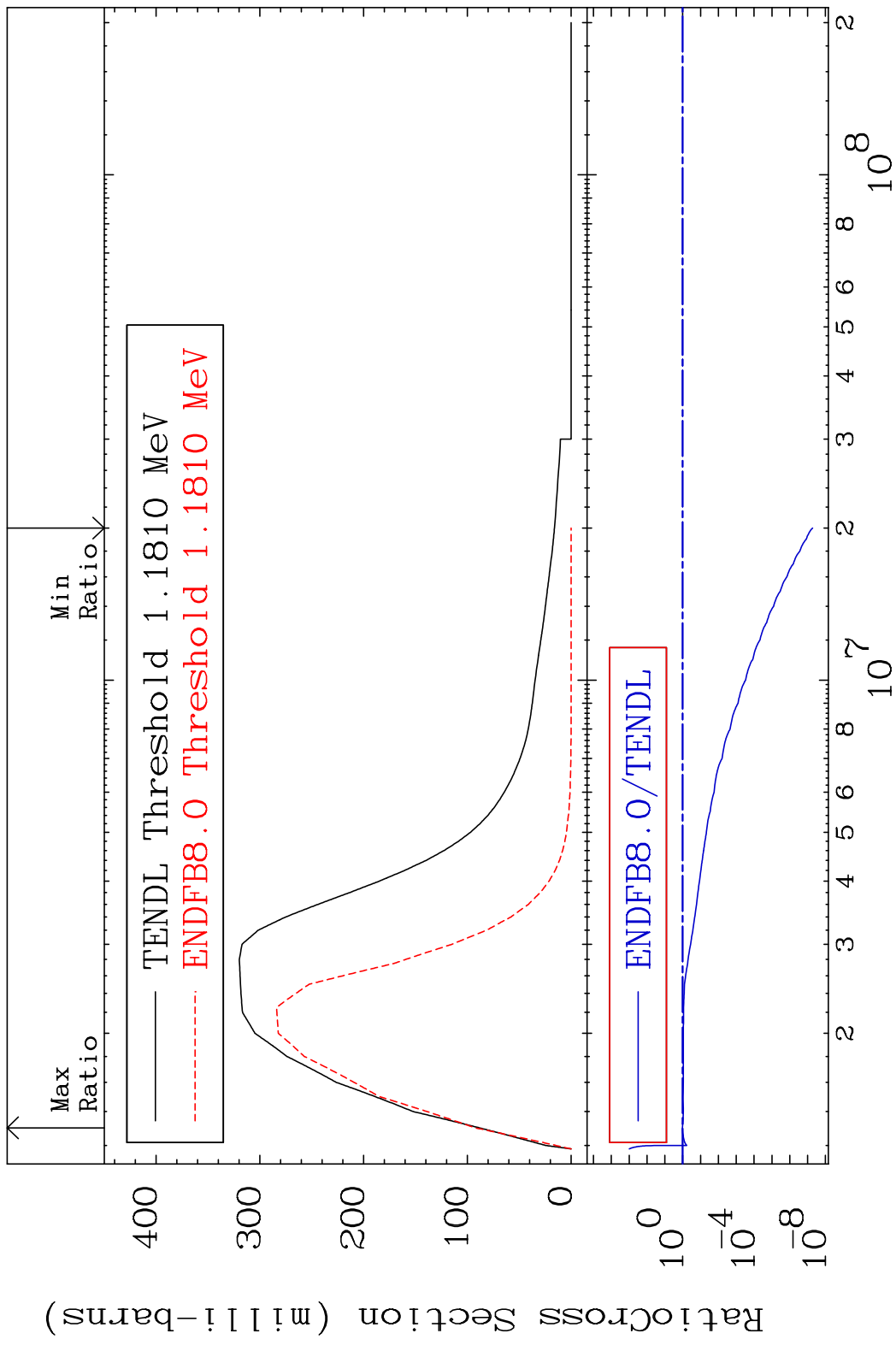


6

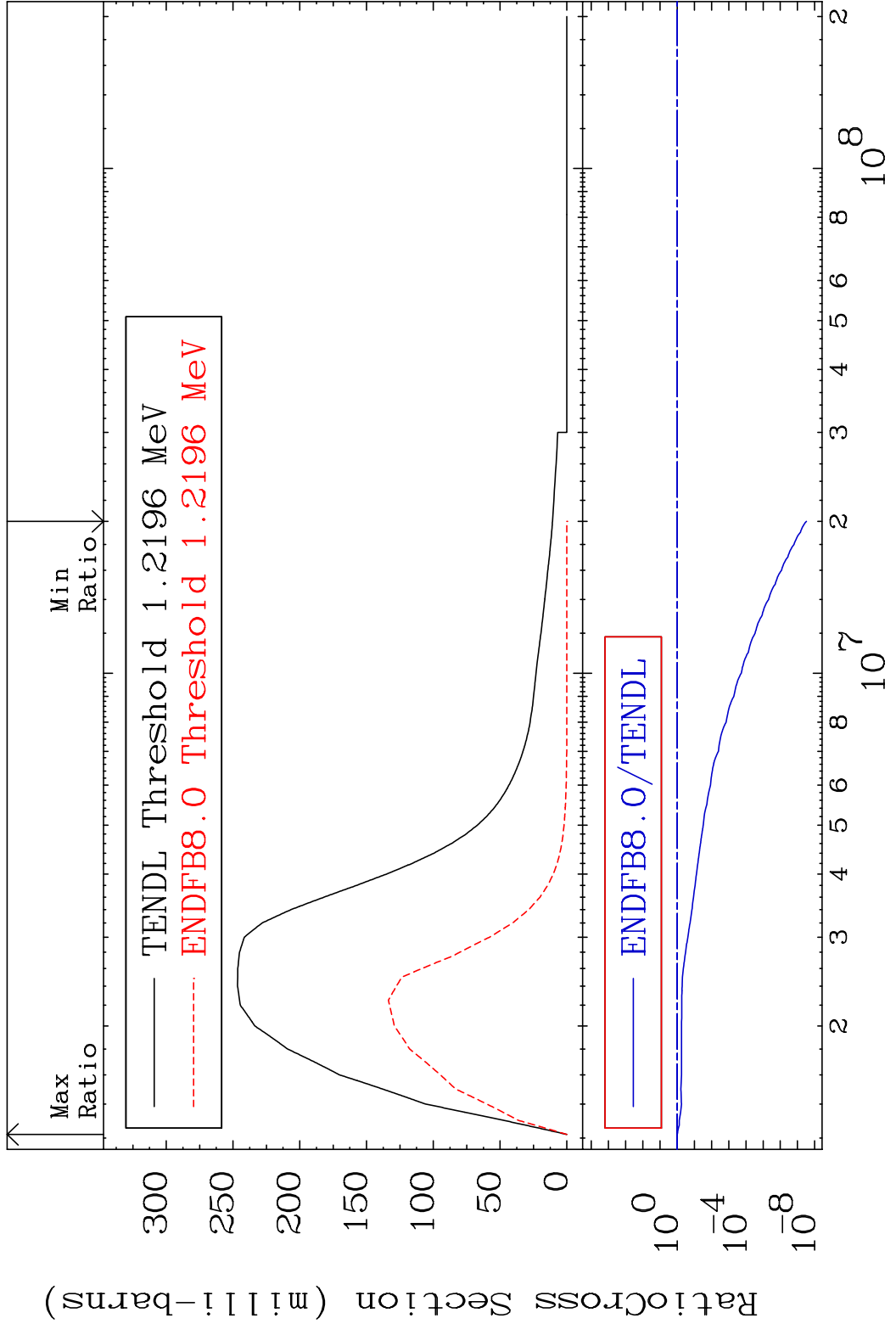
Incident Energy (eV)

84-Po-209

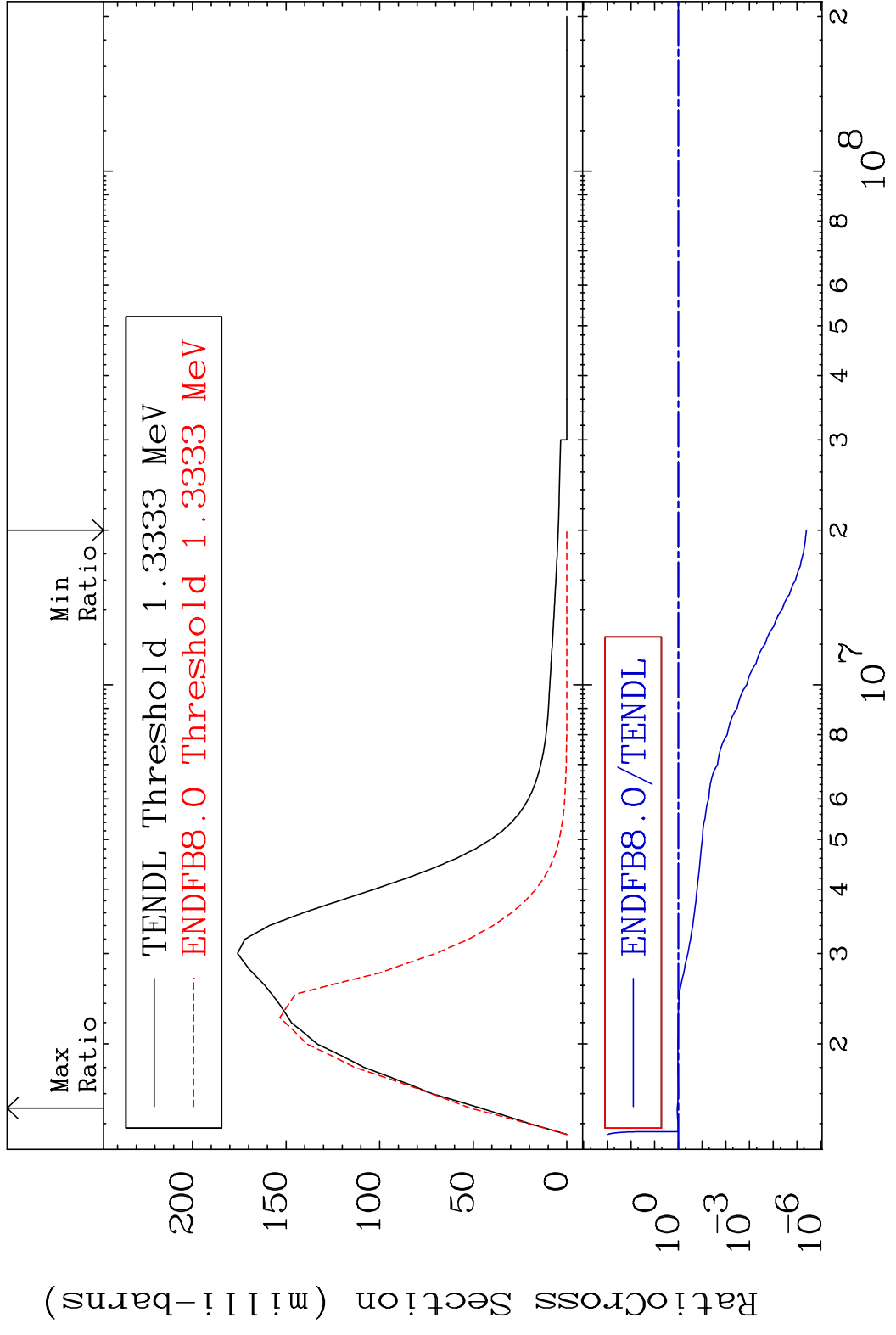
MAT 8434 MT= 53 (n, n') Level 84-Po-209
 Cross Section -100.0 To 4.591 %



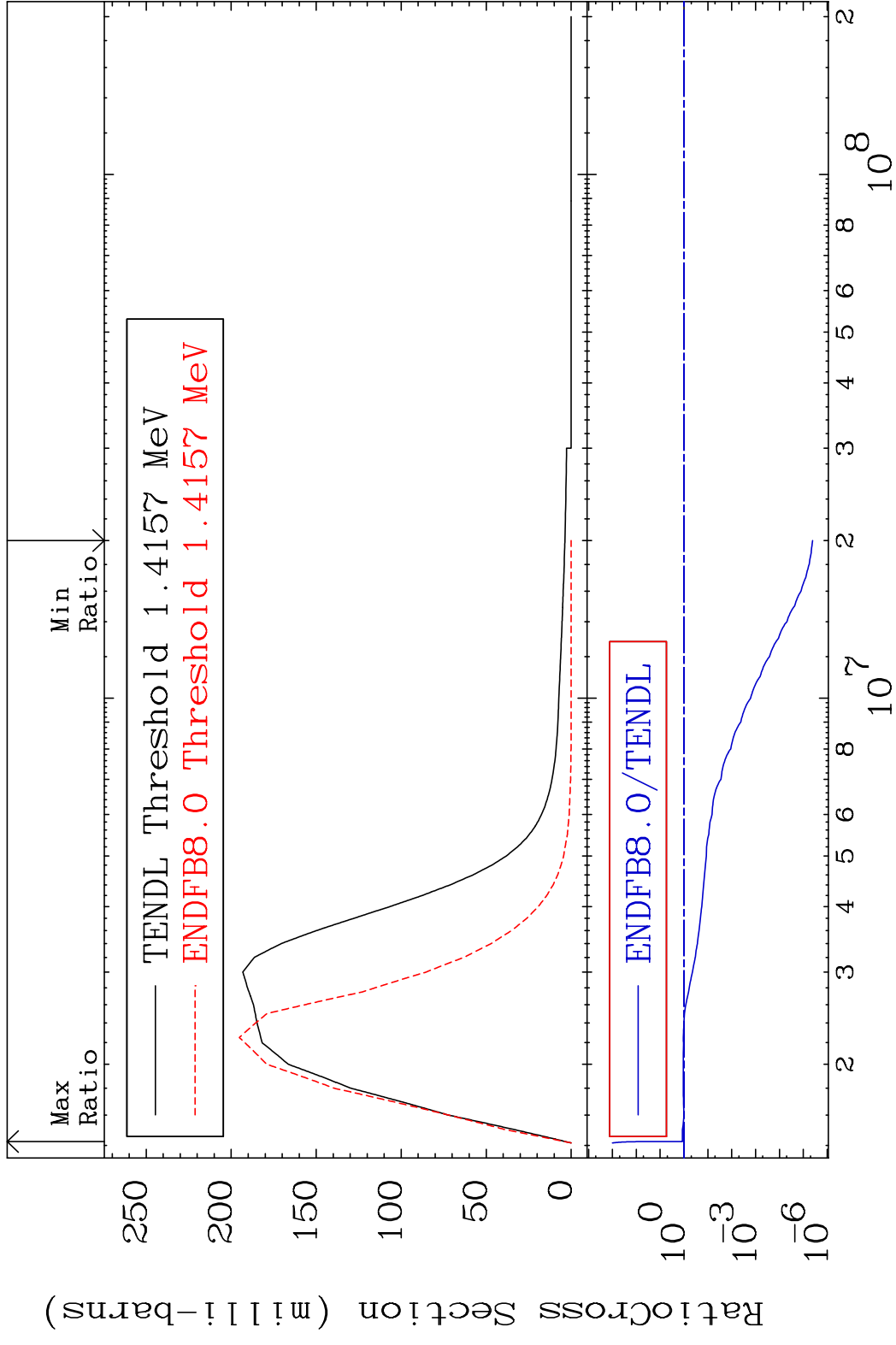
MAT 8434 MT= 54 (n, n') Level 84-Po-209
 Cross Section -100.0 To 0.000 %



MAT 8434 MT= 55 (n, n') Level 84-Po-209
 Cross Section -100.0 To 12.17 %

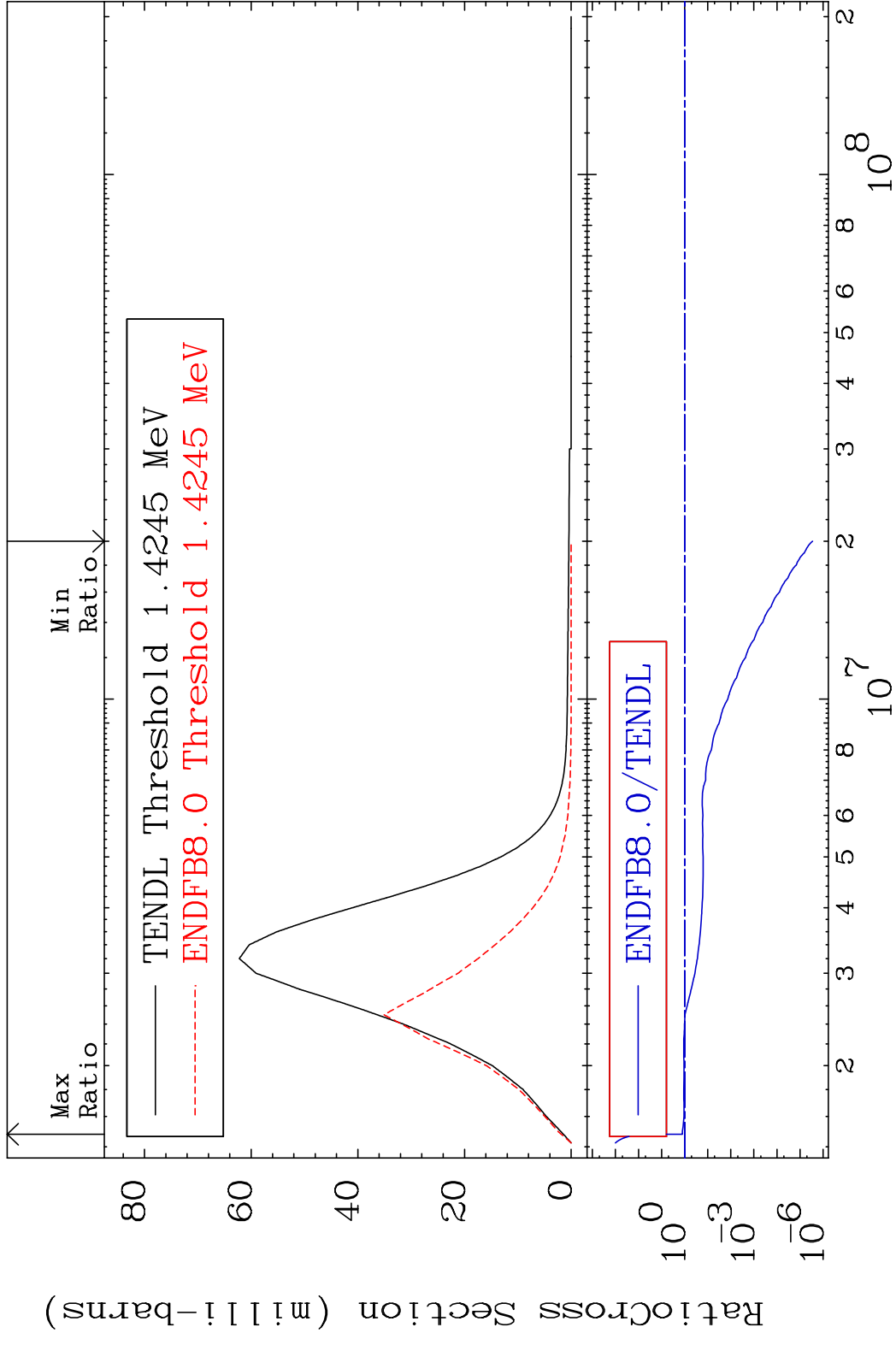


MAT 8434 MT= 56 (n, n') Level 84-Po-209
 Cross Section -100.0 To 17.31 %

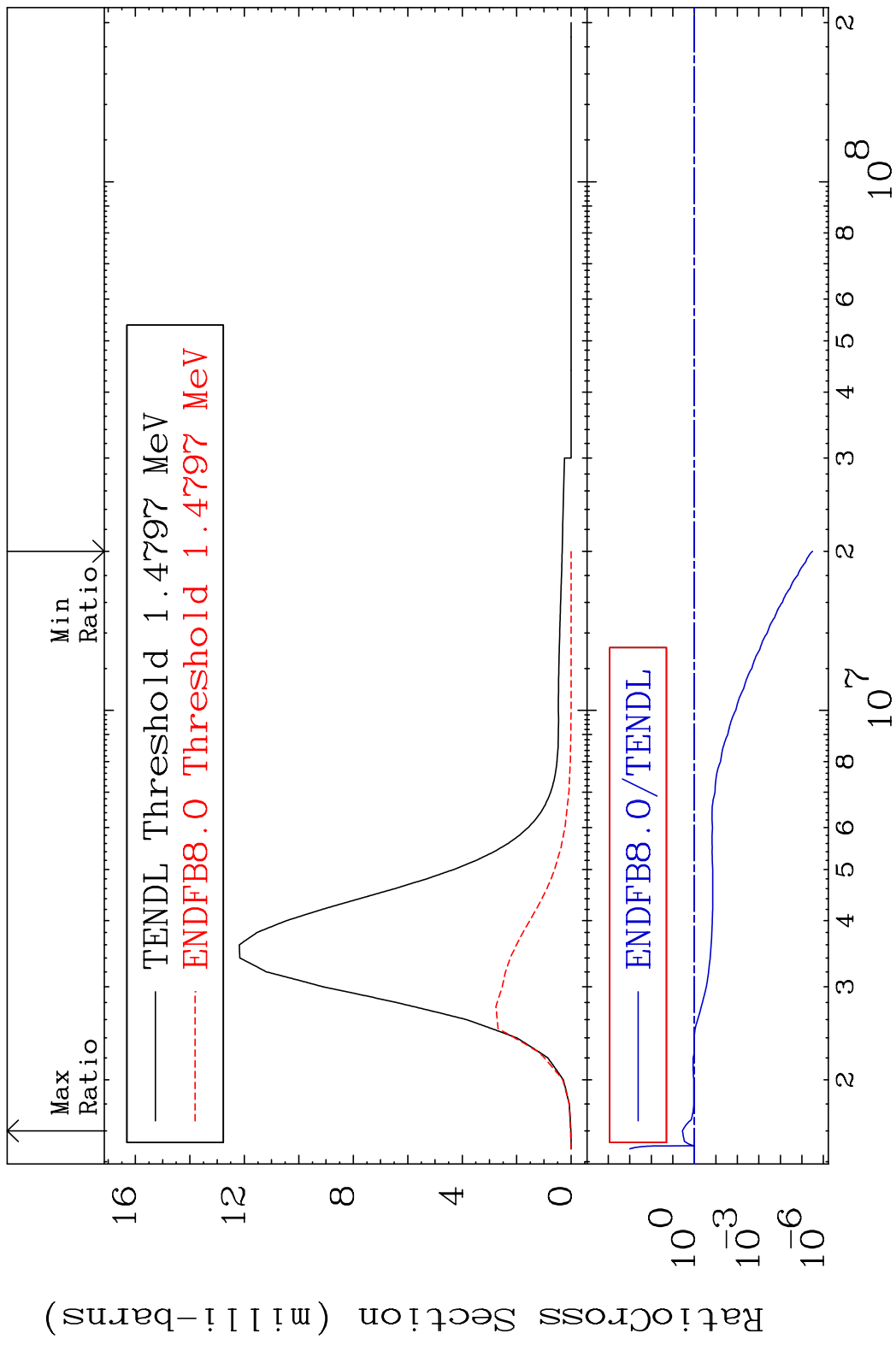


10 Incident Energy (eV) 84-Po-209

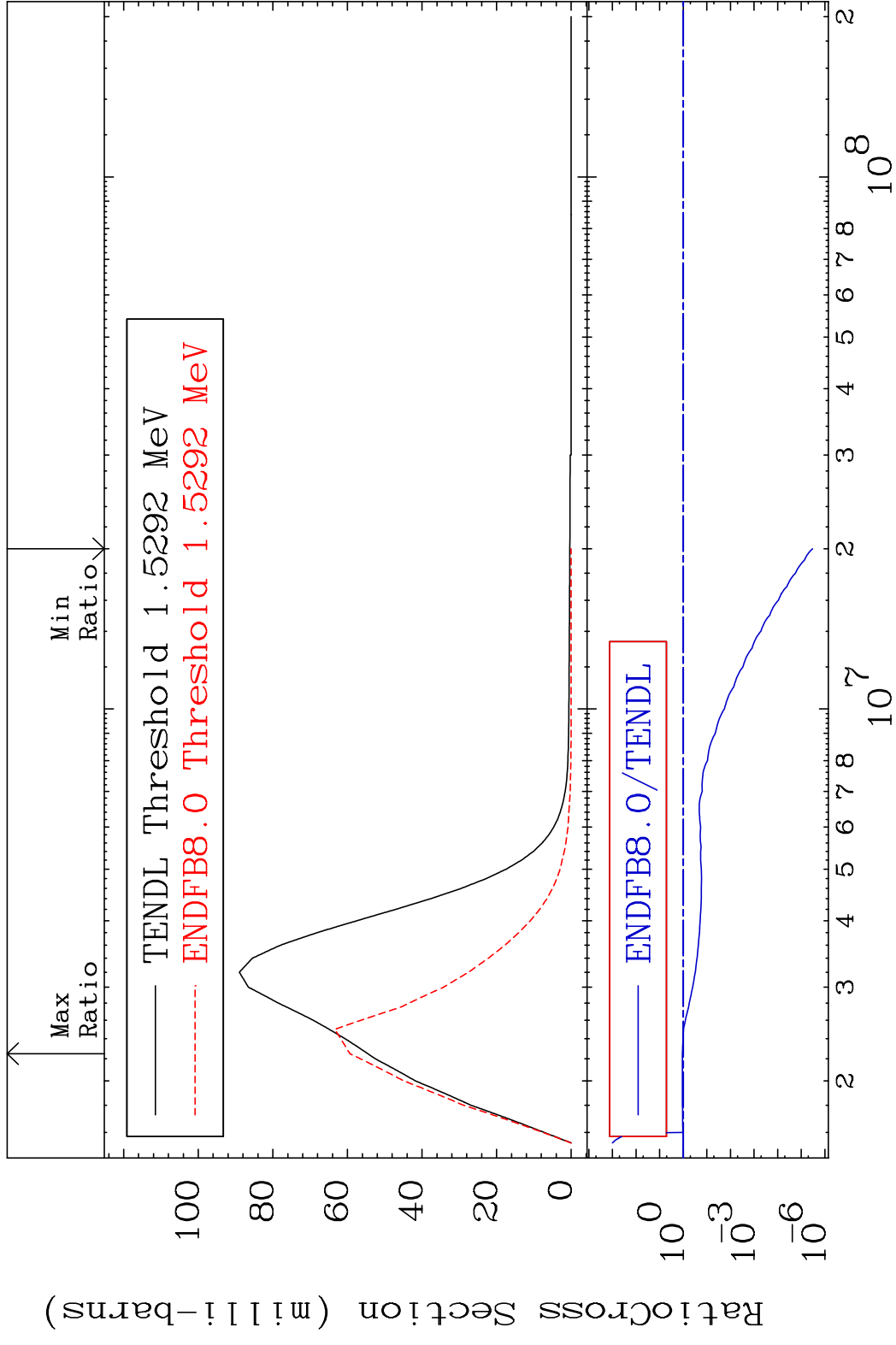
MAT 8434 MT= 57 (n, n') Level 84-Po-209
 Cross Section -100.0 To 25.53 %



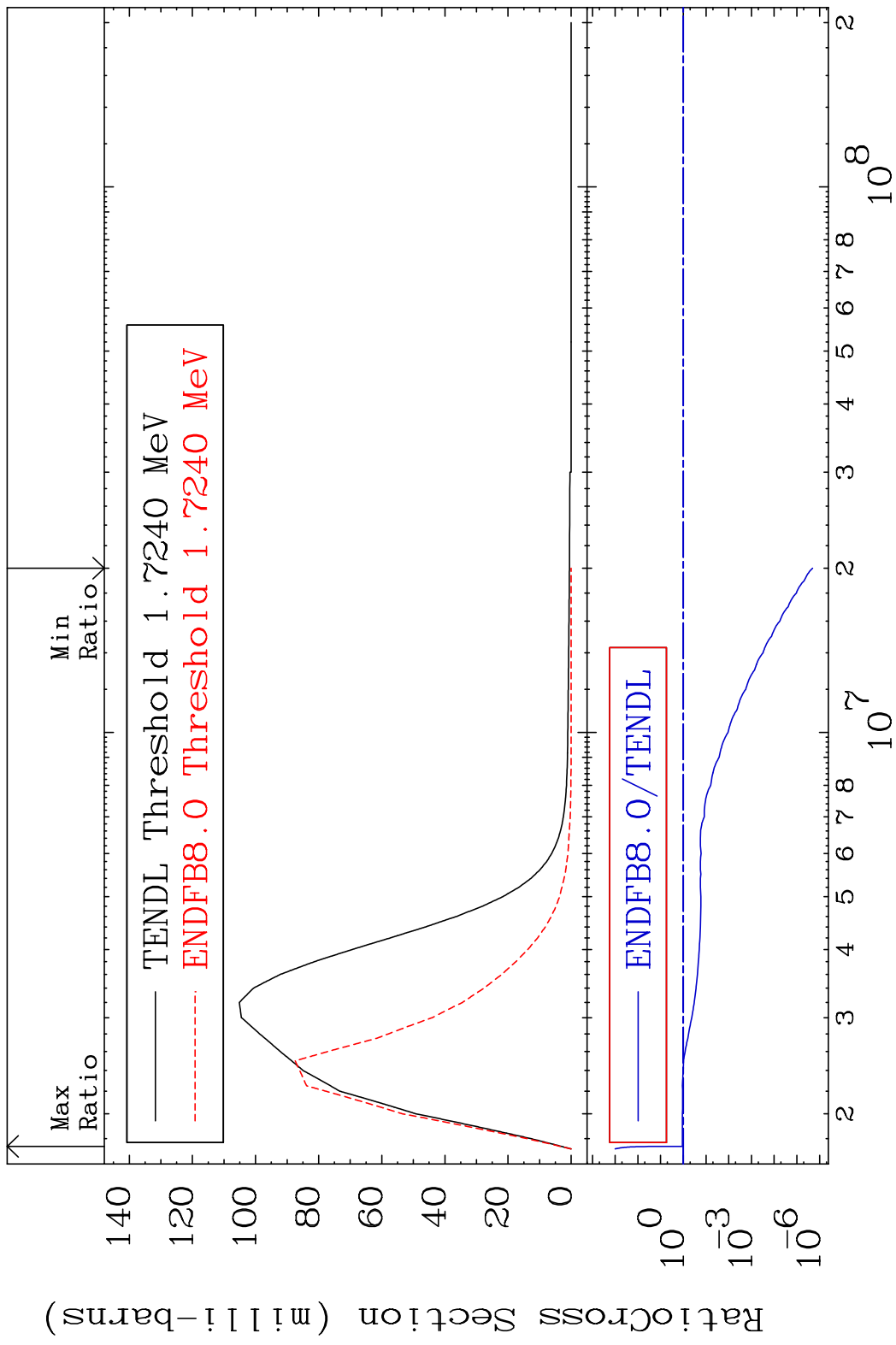
MAT 8434 MT= 58 (n, n') Level 84-Po-209
 Cross Section -100.0 To 259.7 %



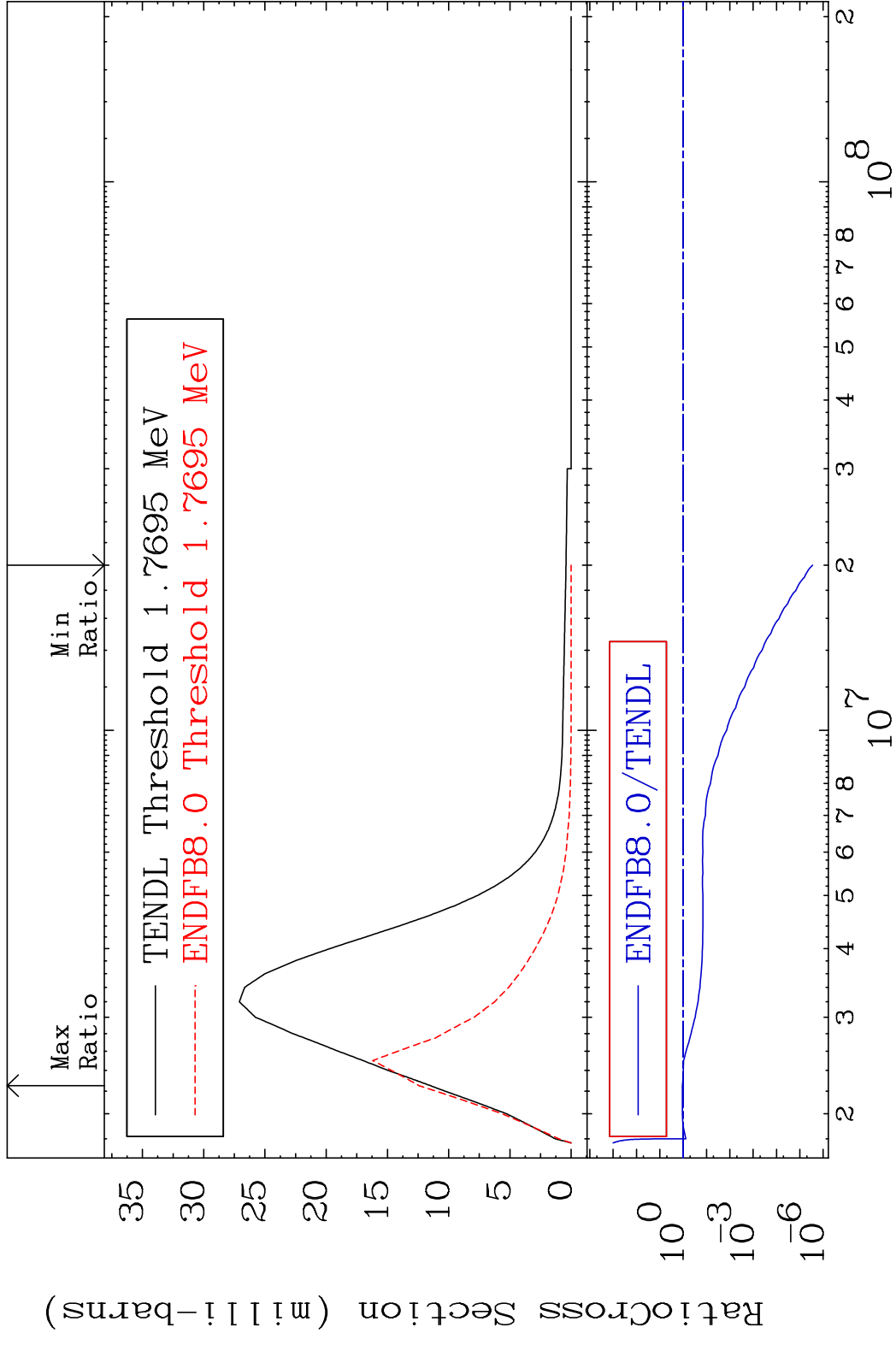
MAT 8434 MT= 59 (n, n') Level 84-Po-209
 Cross Section -100.0 To 8.875 %



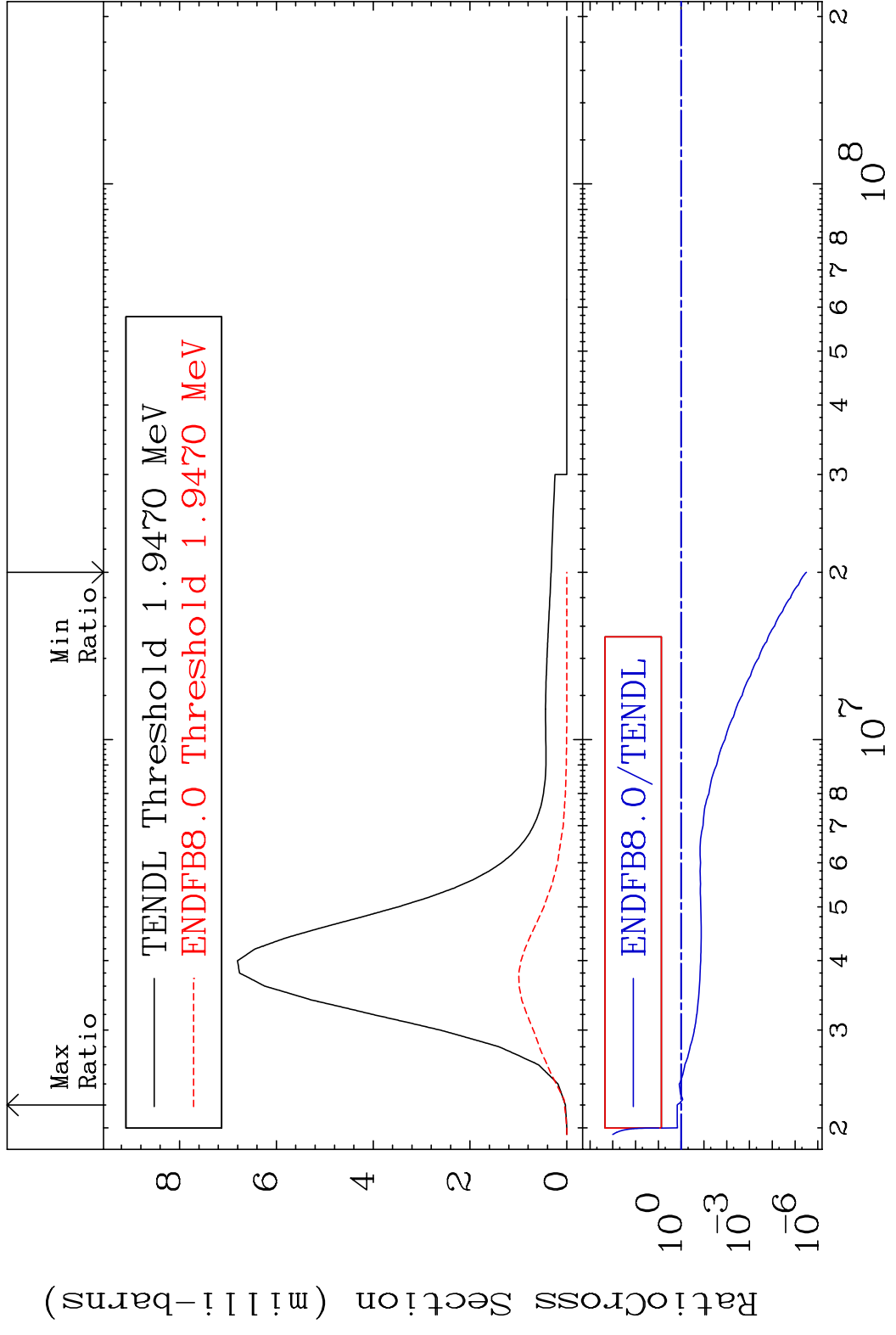
MAT 8434 MT= 60 (n, n') Level 84-Po-209
 Cross Section -100.0 To 10.11 %



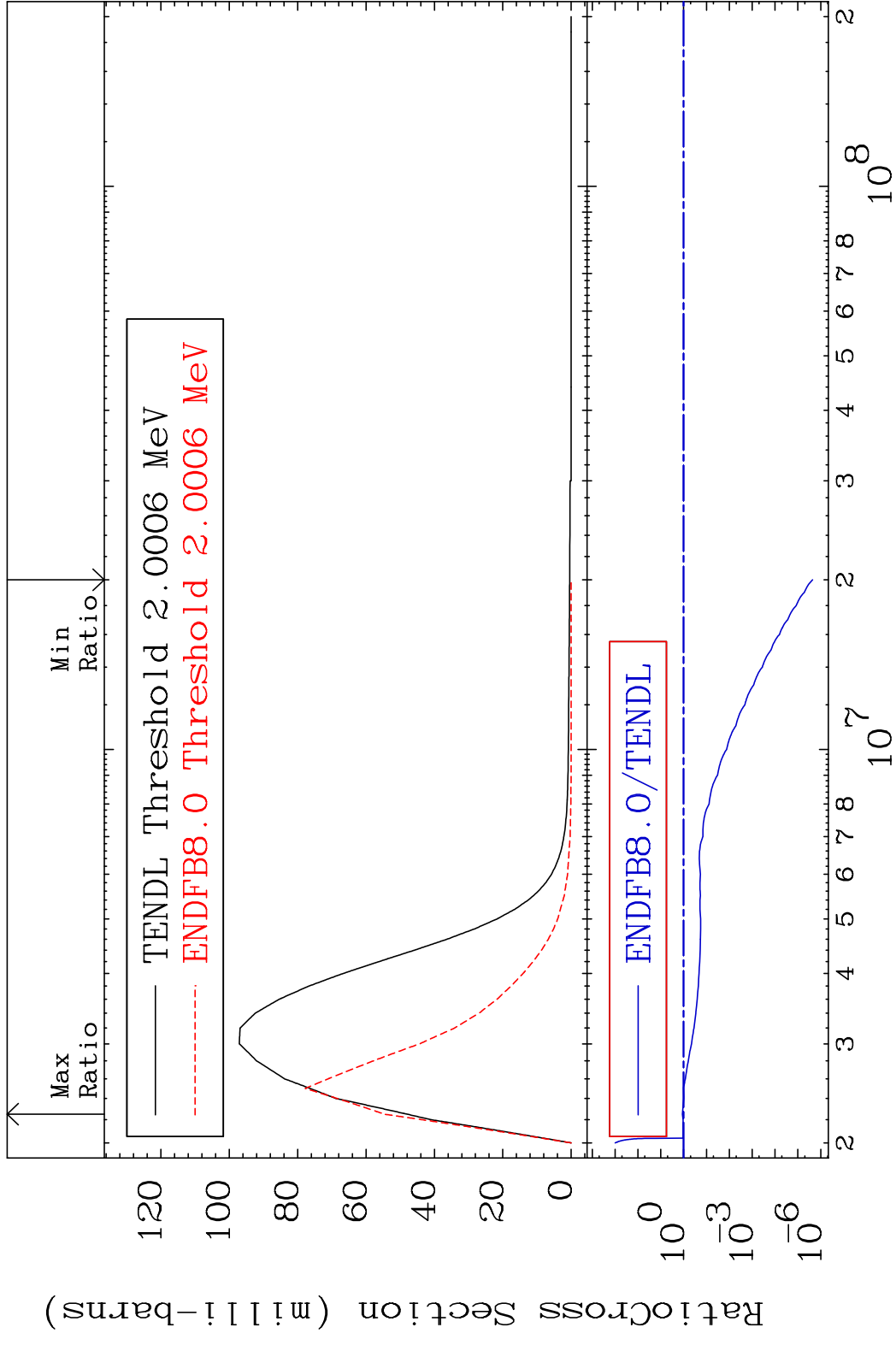
MAT 8434 MT= 61 (n, n') Level 84-Po-209
 Cross Section -100.0 To 8.150 %



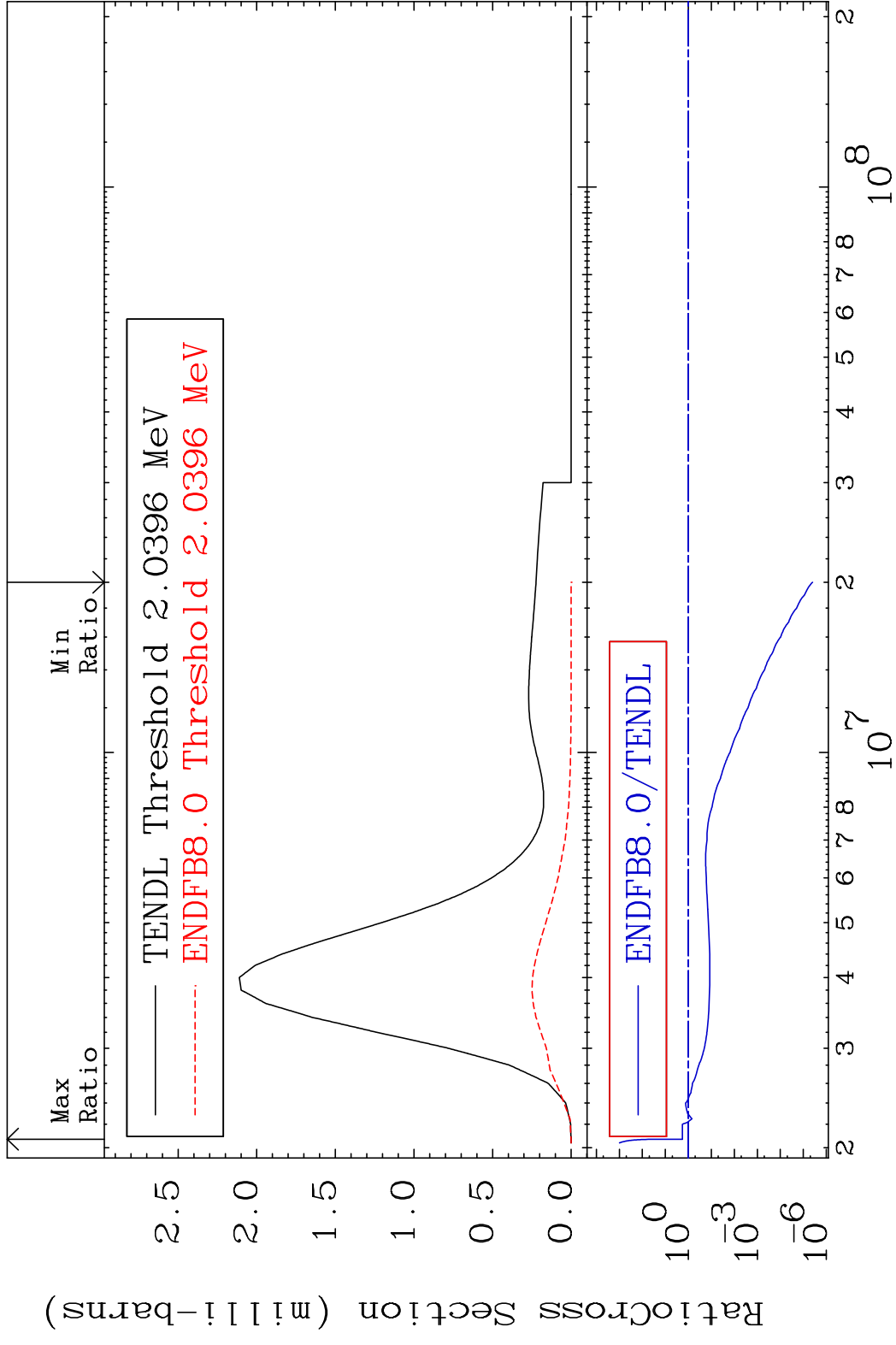
MAT 8434 MT= 62 (n, n') Level 84-Po-209
 Cross Section -100.0 To 49.30 %



MAT 8434 MT= 63 (n, n') Level 84-Po-209
 Cross Section -100.0 To 13.81 %



MAT 8434 MT= 64 (n, n') Level 84-Po-209
 Cross Section -100.0 To 82.24 %

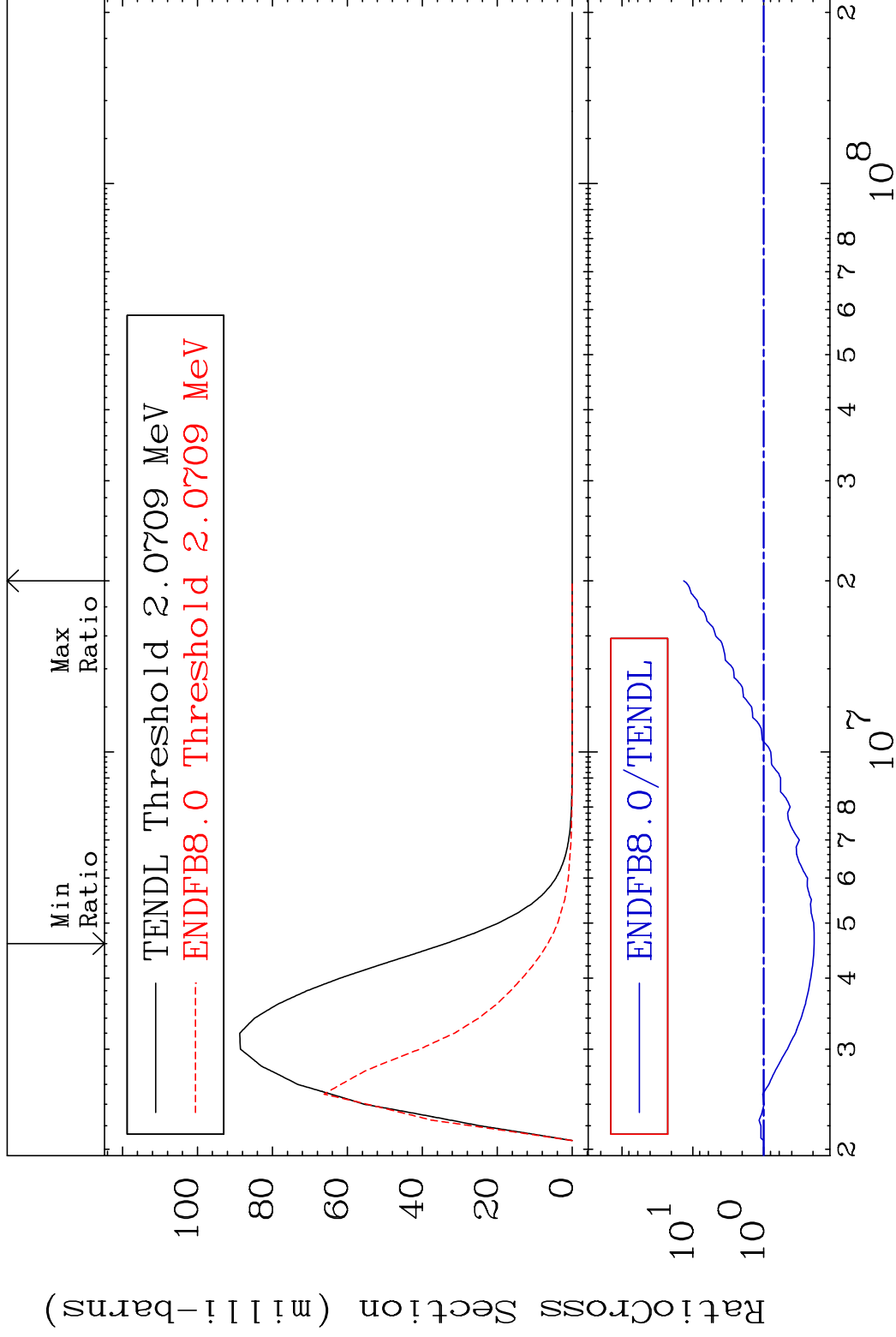


MAT 8434

MT= 65 (n, n') Level

84-Po-209

Cross Section -80.67 To 1245. %

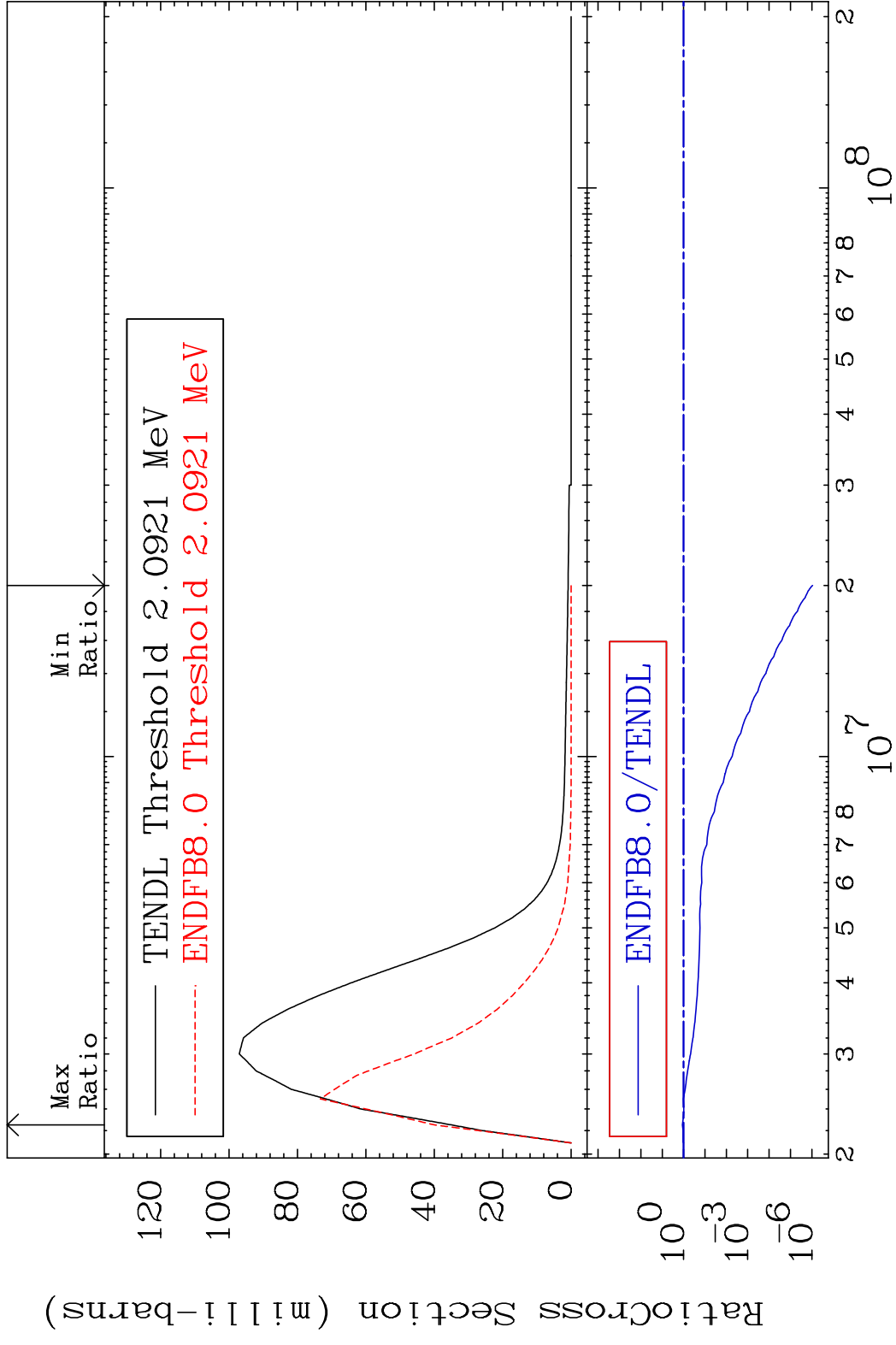


19

Incident Energy (eV)

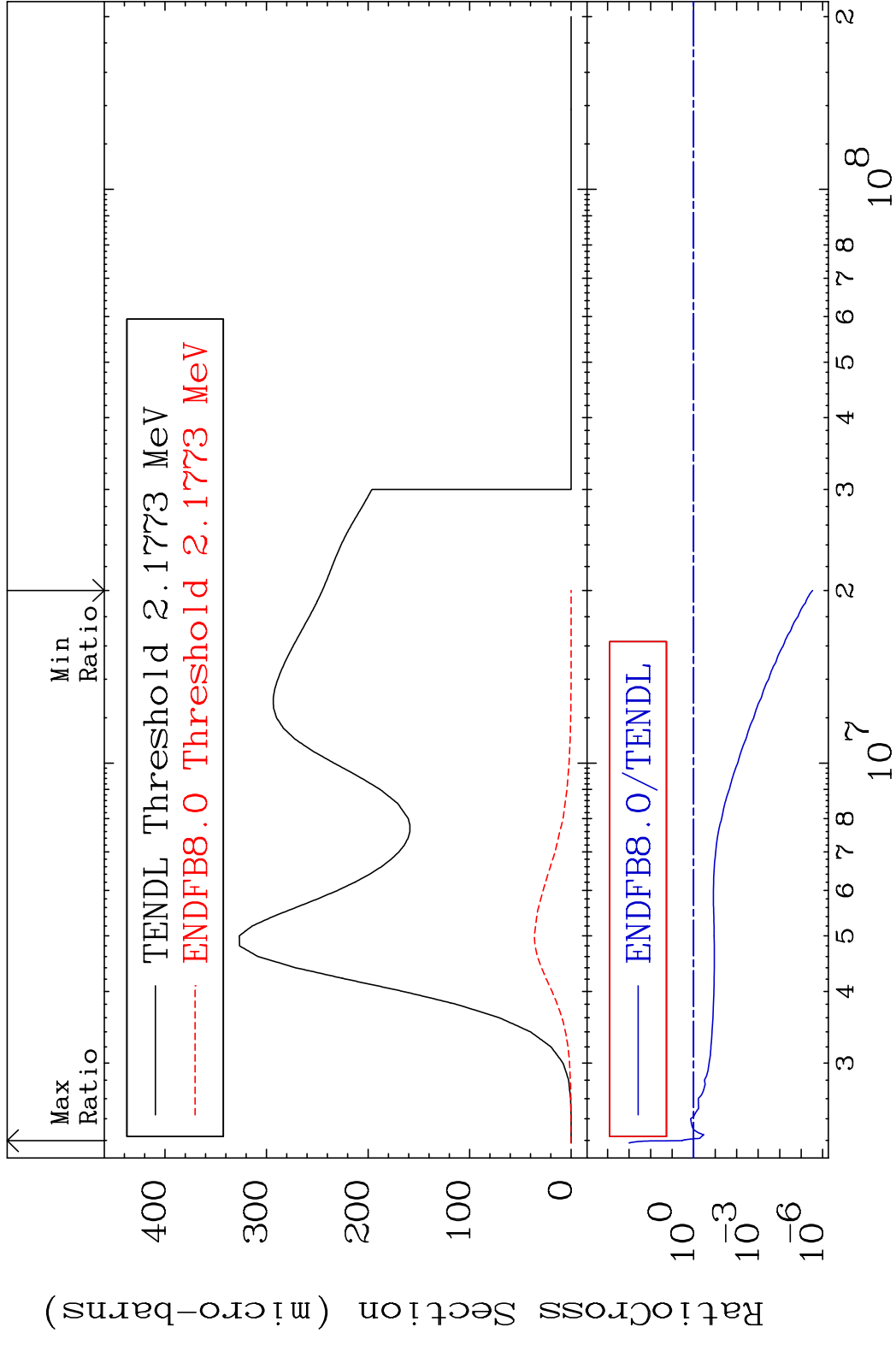
84-Po-209

MAT 8434 MT= 66 (n, n') Level 84-Po-209
 Cross Section -100.0 To 14.21 %



20 84-Po-209

MAT 8434 MT= 67 (n, n') Level 84-Po-209
 Cross Section -100.0 To 233.7 %

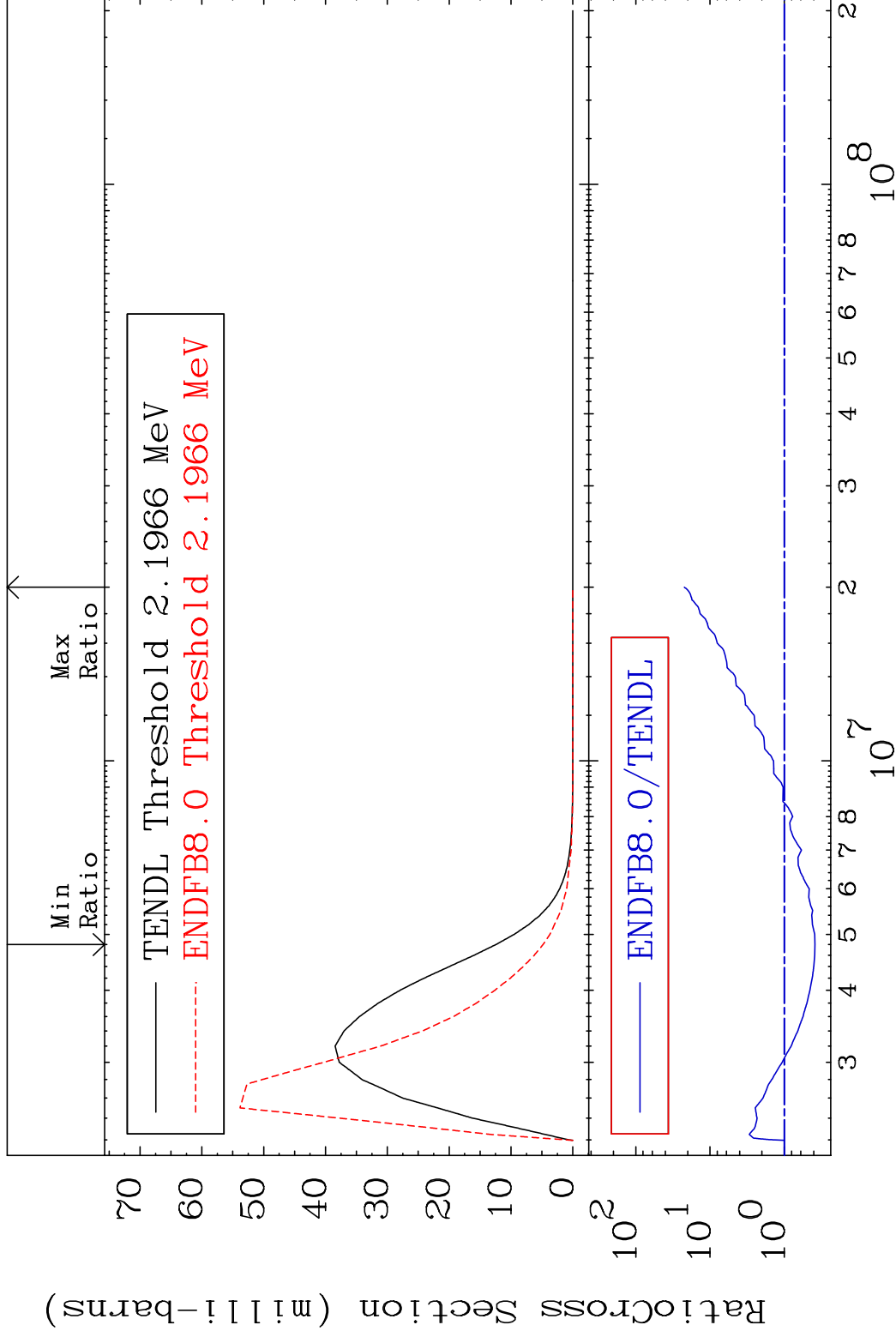


MAT 8434

MT= 68 (n, n') Level

84-Po-209

Cross Section -61.27 To 2122. %

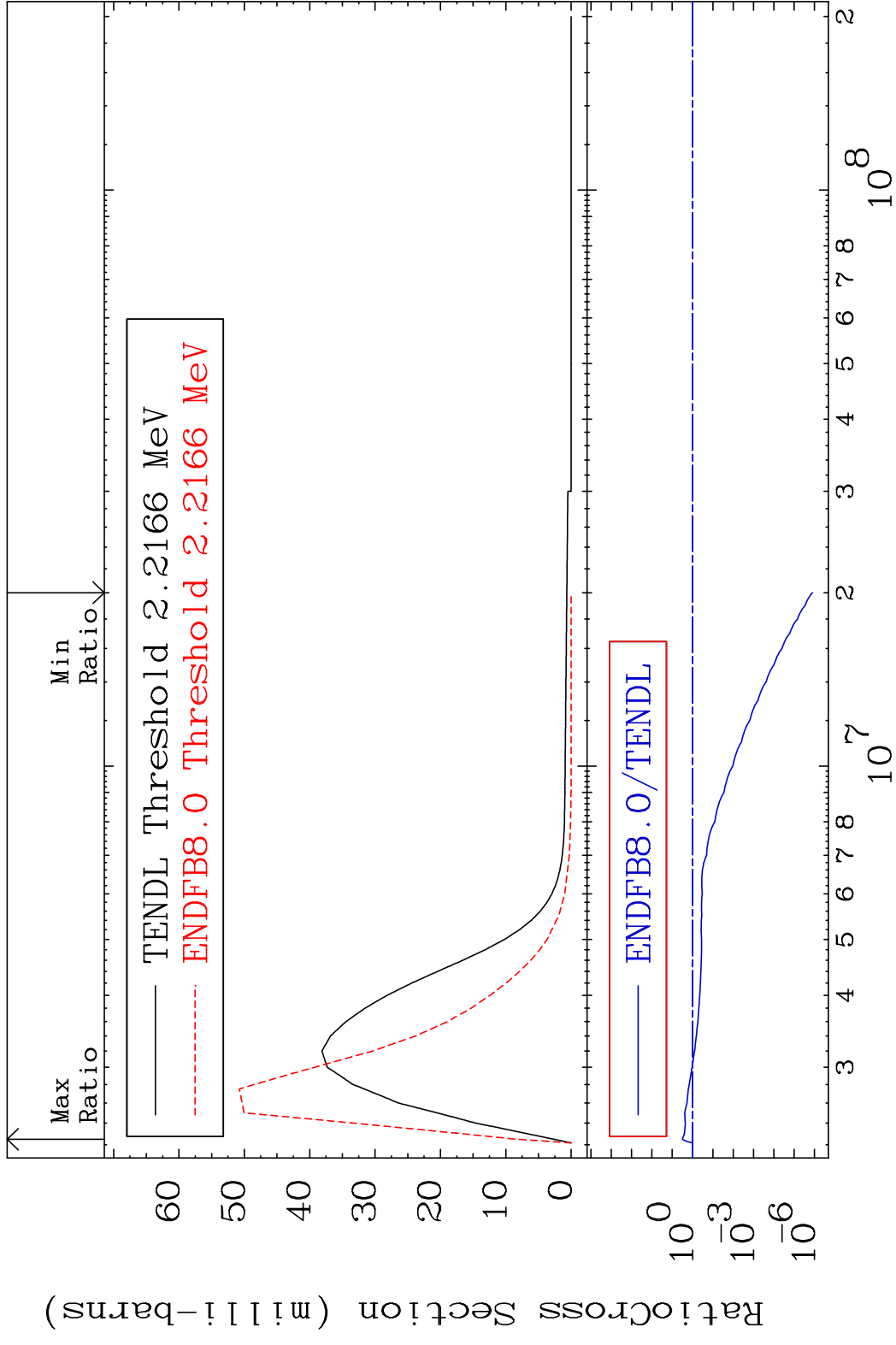


22

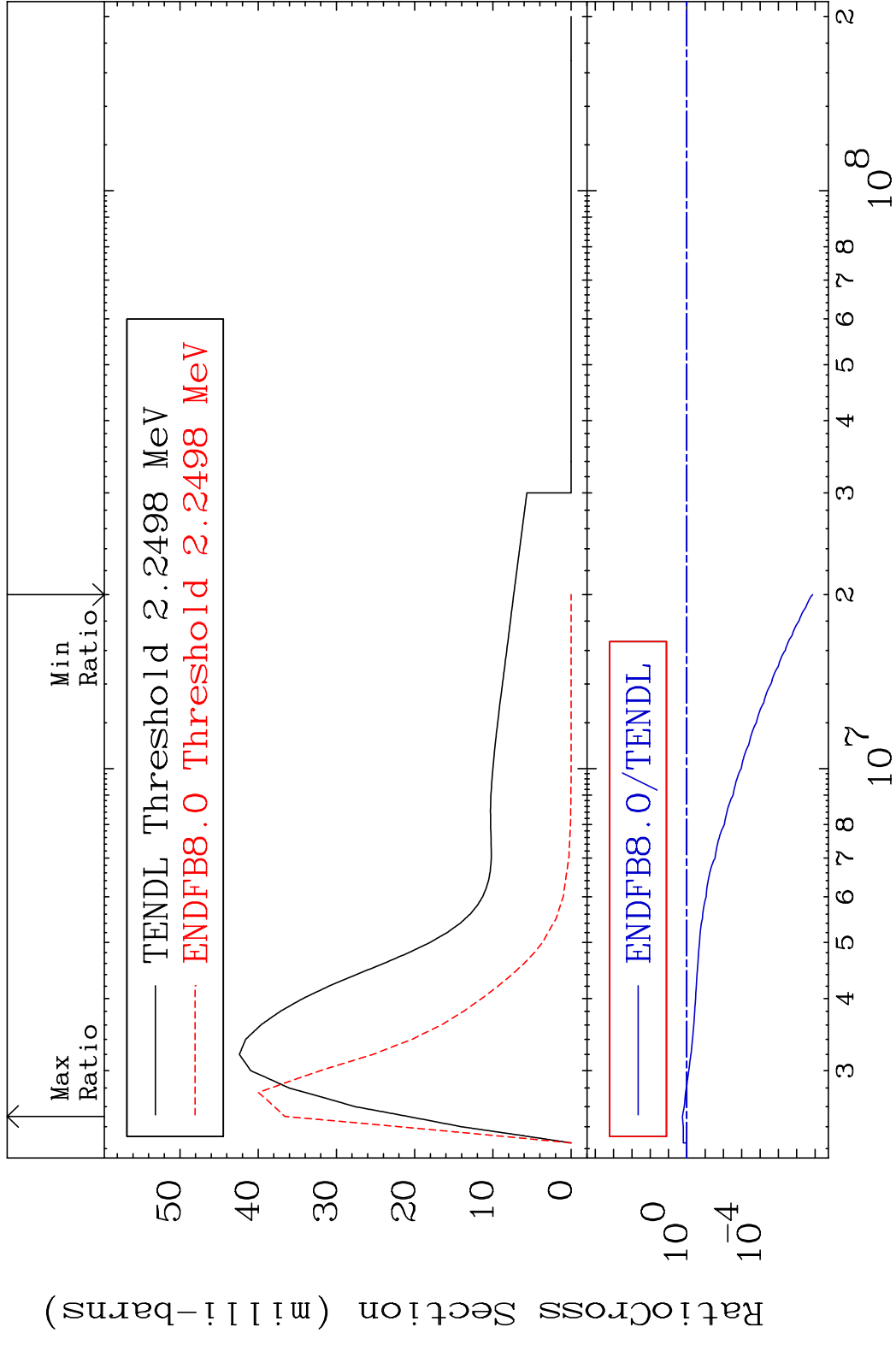
Incident Energy (eV)

84-Po-209

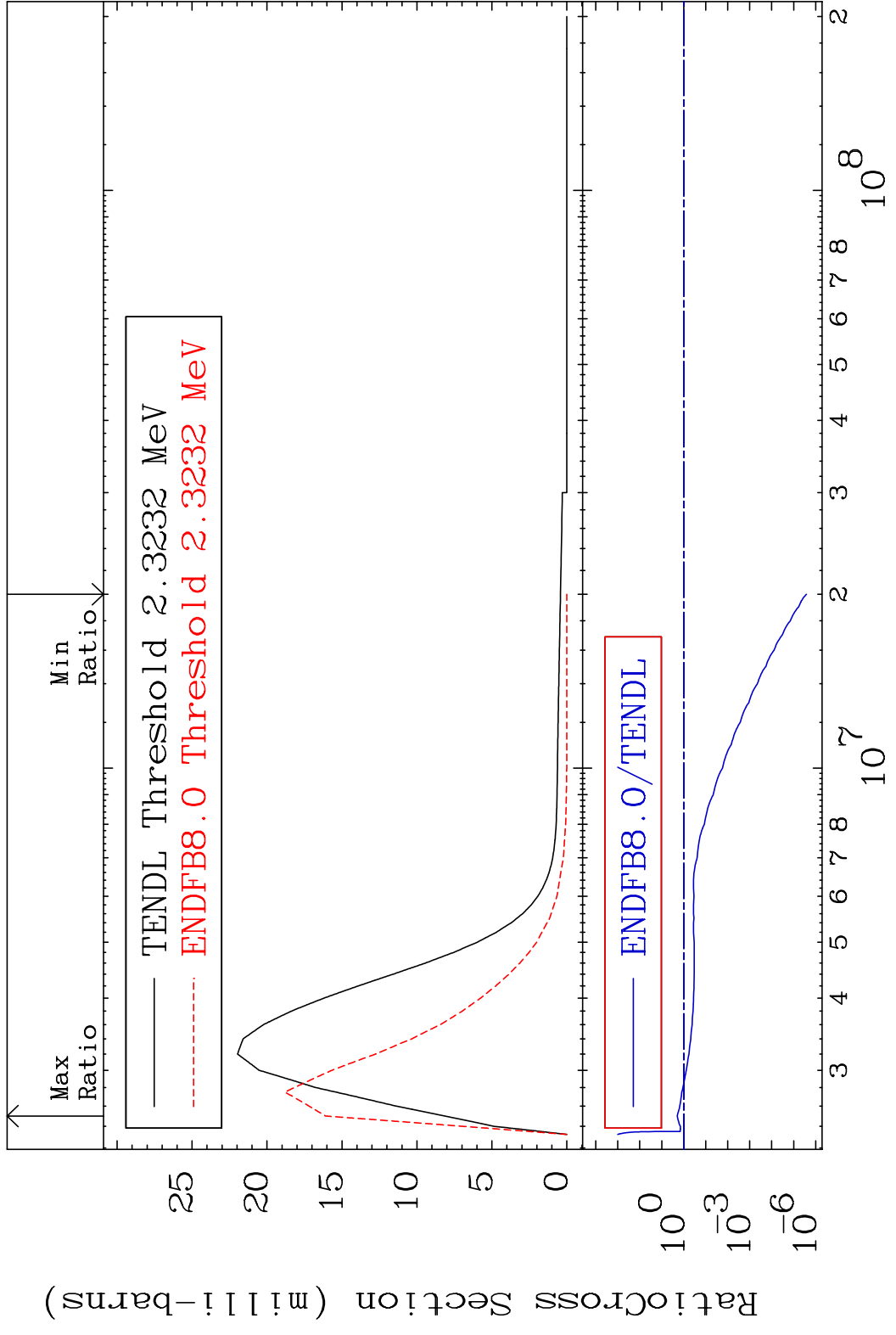
MAT 8434 MT= 69 (n, n') Level 84-Po-209
 Cross Section -100.0 To 217.2 %



MAT 8434 MT= 70 (n,n') Level 84-Po-209
 Cross Section -100.0 To 75.54 %



MAT 8434 MT= 71 (n, n') Level 84-Po-209
 Cross Section -100.0 To 98.17 %

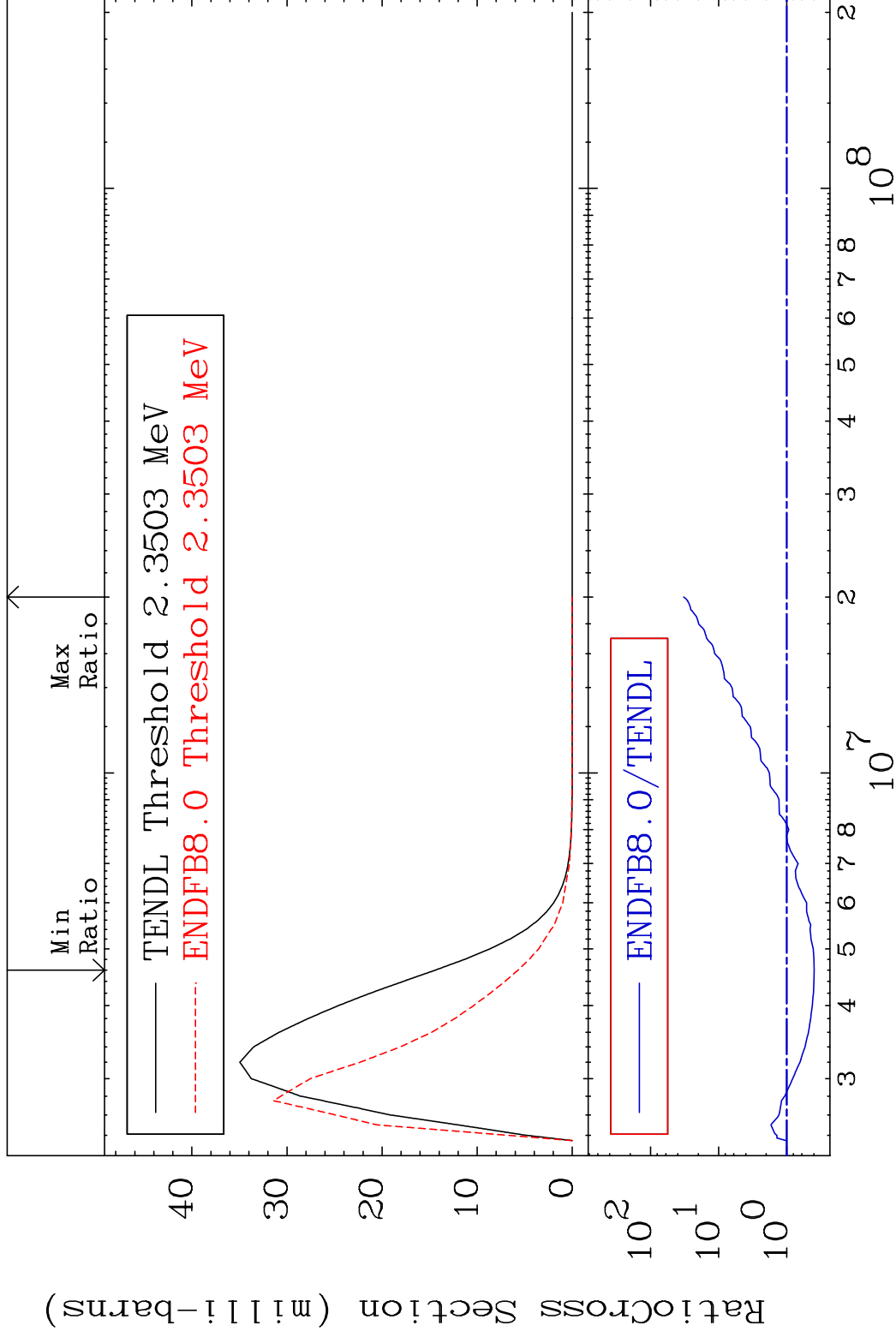


MAT 8434

MT= 72 (n, n') Level

84-Po-209

Cross Section -60.37 To 3175. %

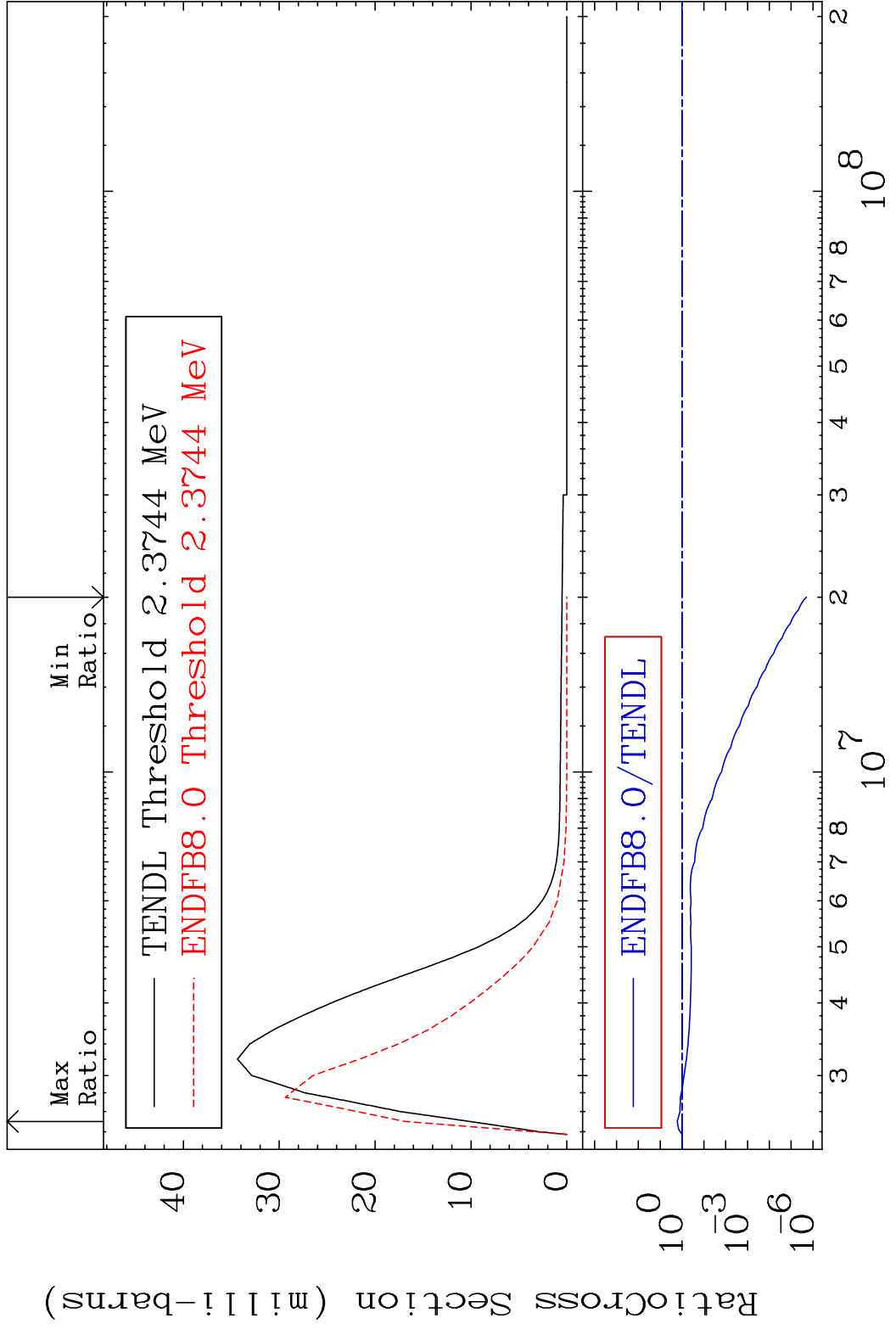


26

Incident Energy (eV)

84-Po-209

MAT 8434 MT= 73 (n, n') Level 84-Po-209
 Cross Section -100.0 To 66.56 %

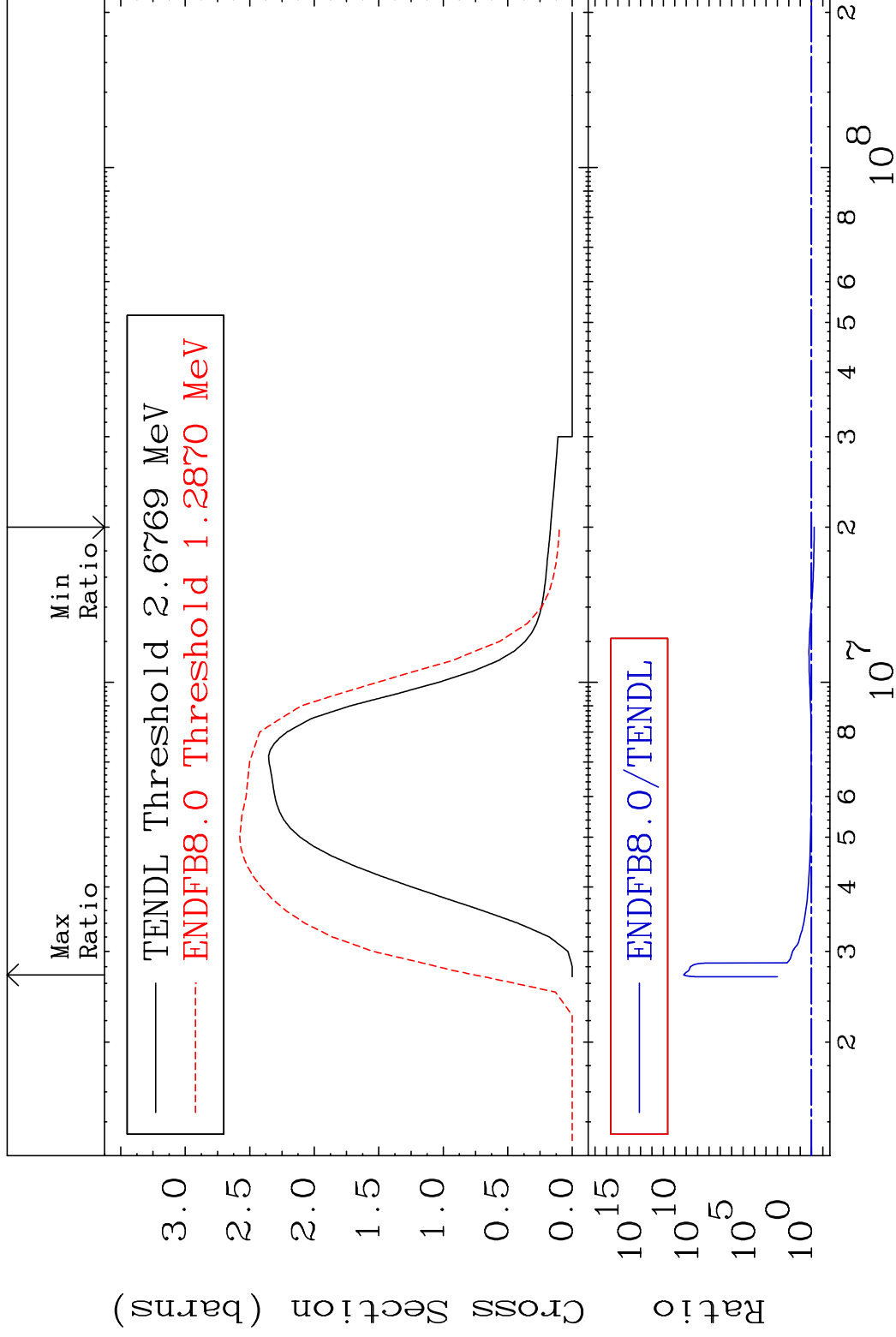


MAT 8434

(n, n') Continuum

84-Po-209

Cross Section -40.94 To 9999. %



28

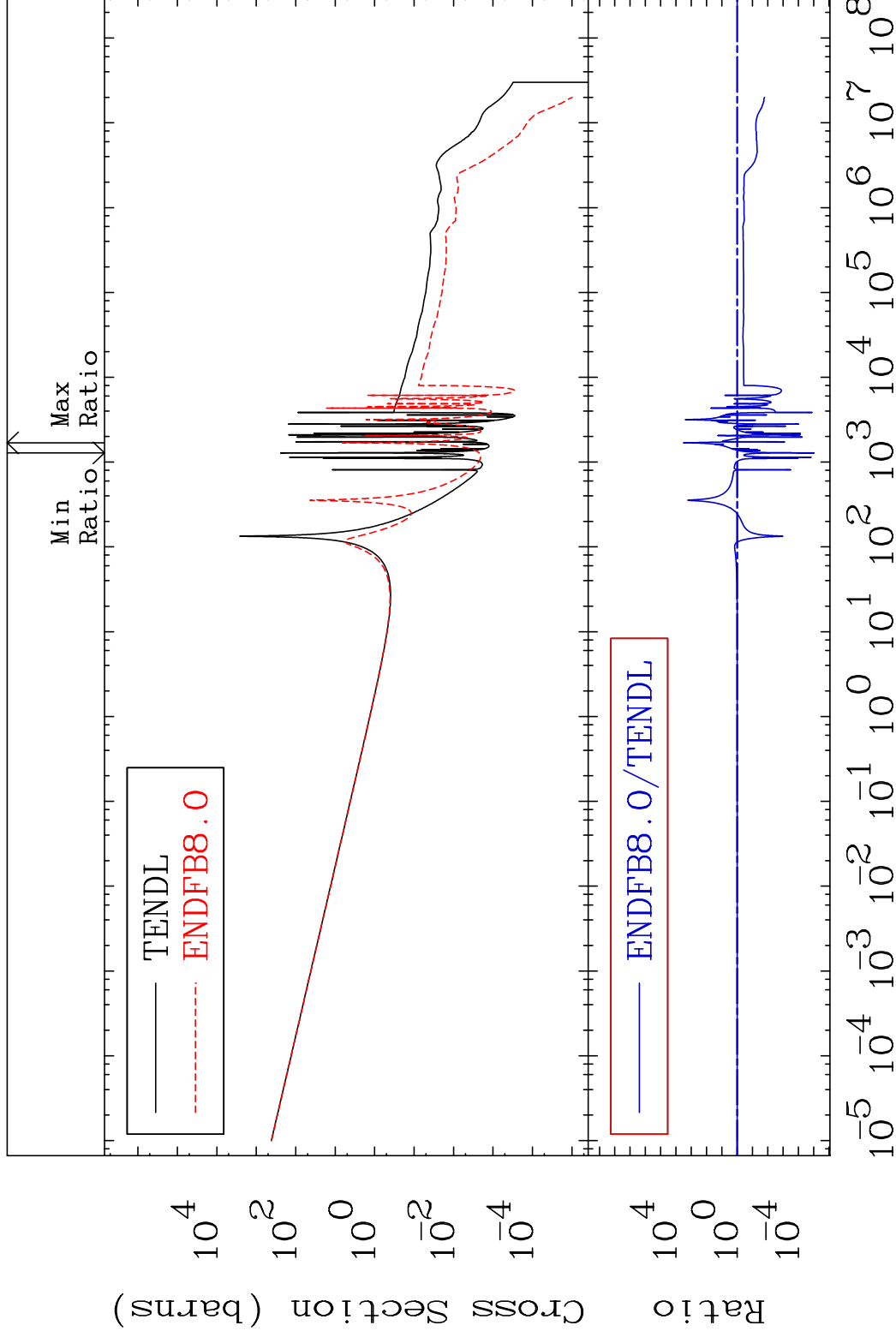
Incident Energy (eV)

84-Po-209

MAT 8434

(n, γ)
Cross Section -100.0 To 9999. %

84-Po-209



29

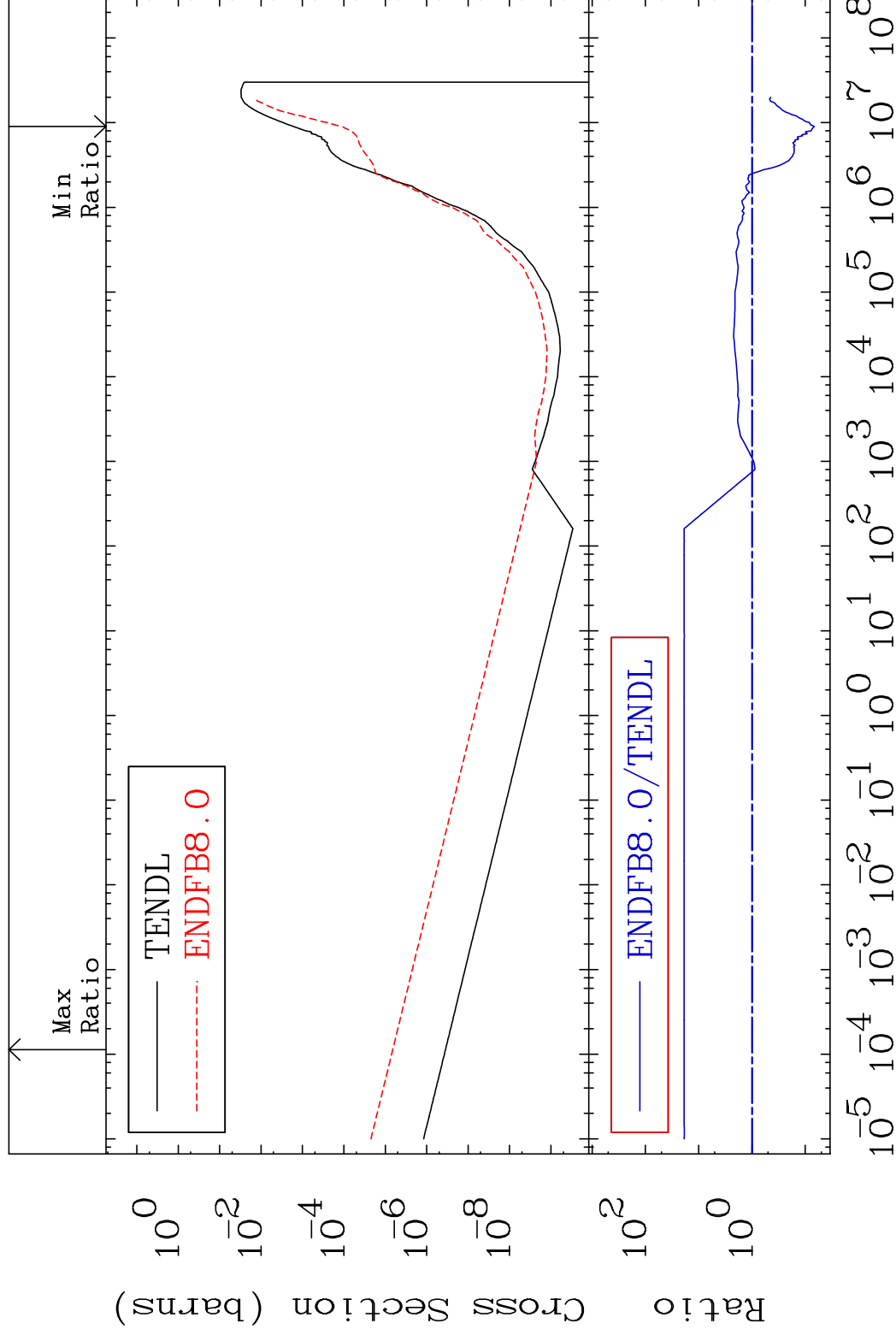
Incident Energy (eV) 84-Po-209

MAT 8434

(n, p)

84-Po-209

Cross Section -93.22 To 1782. %



30

Incident Energy (eV)

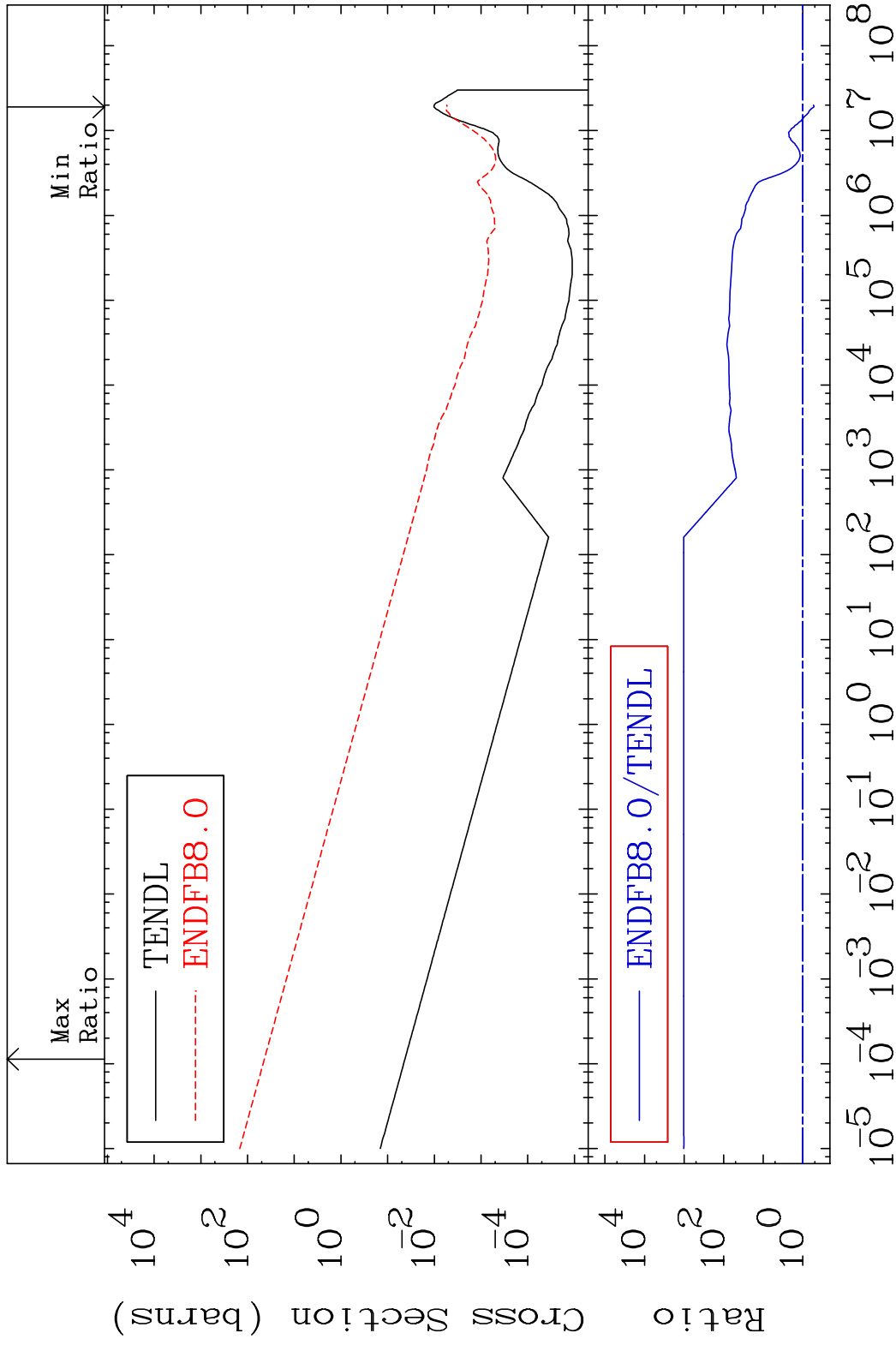
84-Po-209

MAT 8434

(n, α)

84-Po-209

Cross Section -48.14 To 9999. %



31

Incident Energy (eV)

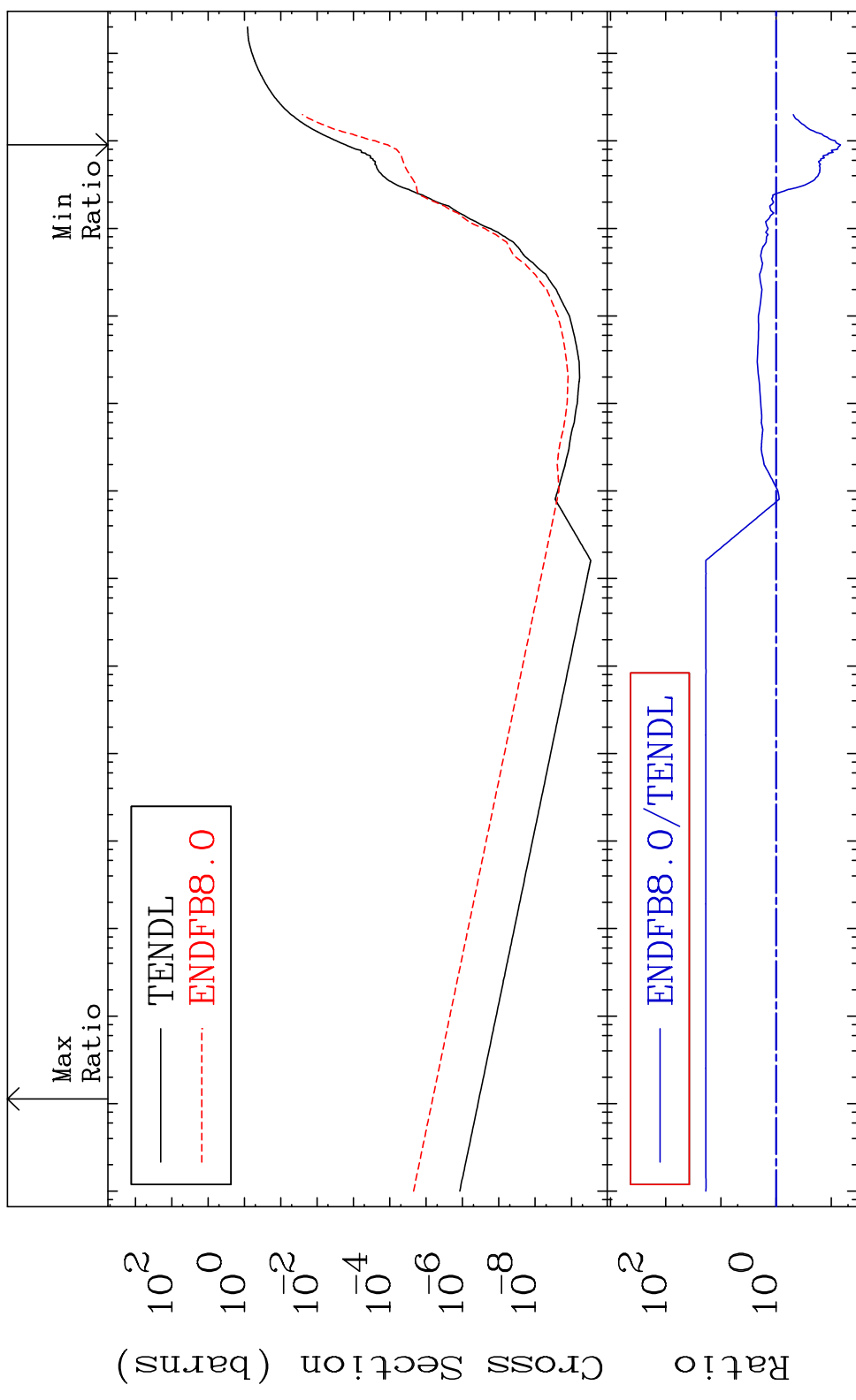
84-Po-209

MAT 8434

Hydrogen Production

84-Po-209

Cross Section -93.16 To 1782. %



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

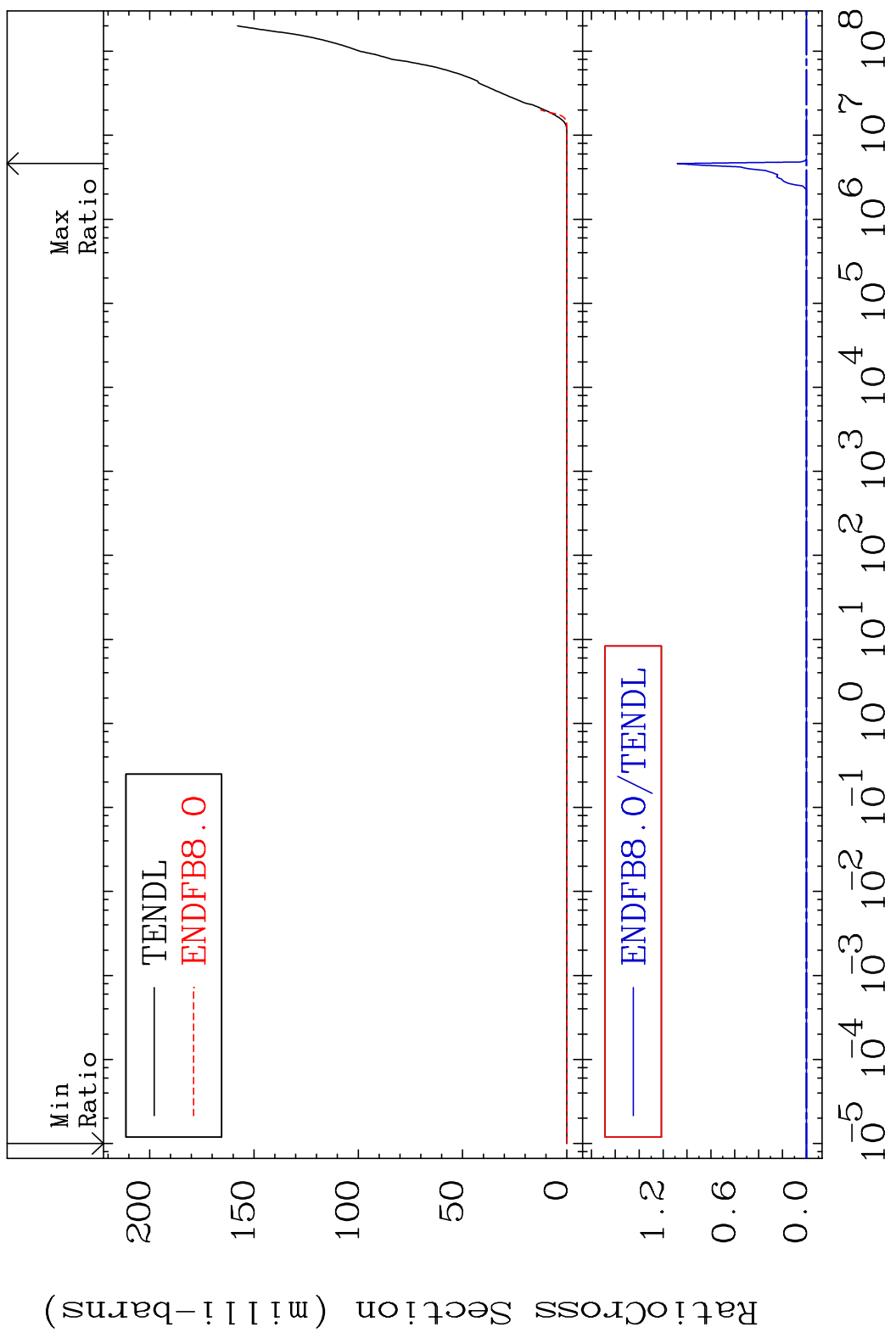
32

Incident Energy (eV)

84-Po-209

MAT 8434

Deuterium Production 84-Po-209
Cross Section -100.0 To 9999. %

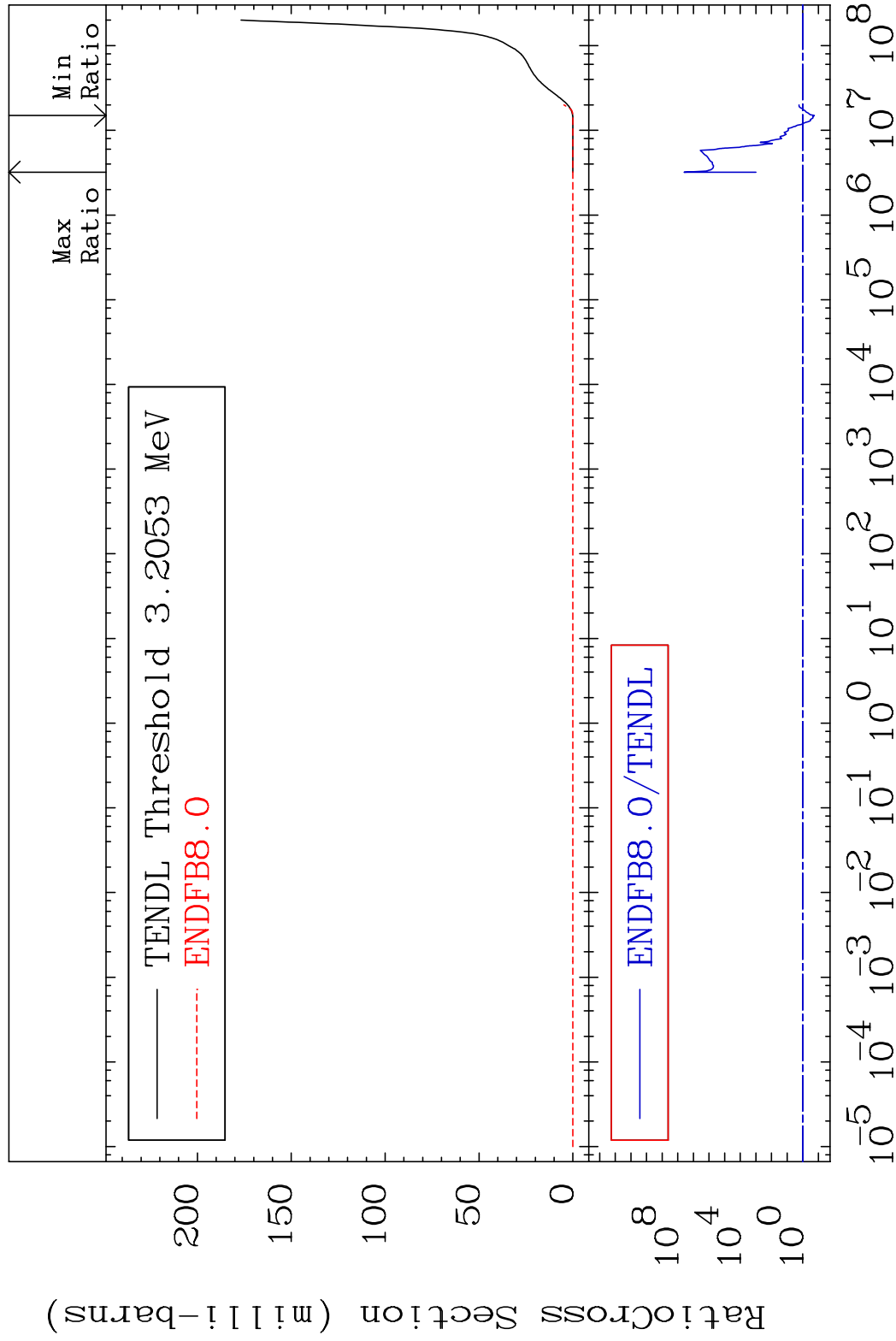


MAT 8434

Tritium Production

84-Po-209

Cross Section -81.70 To 9999. %



34

Incident Energy (eV)

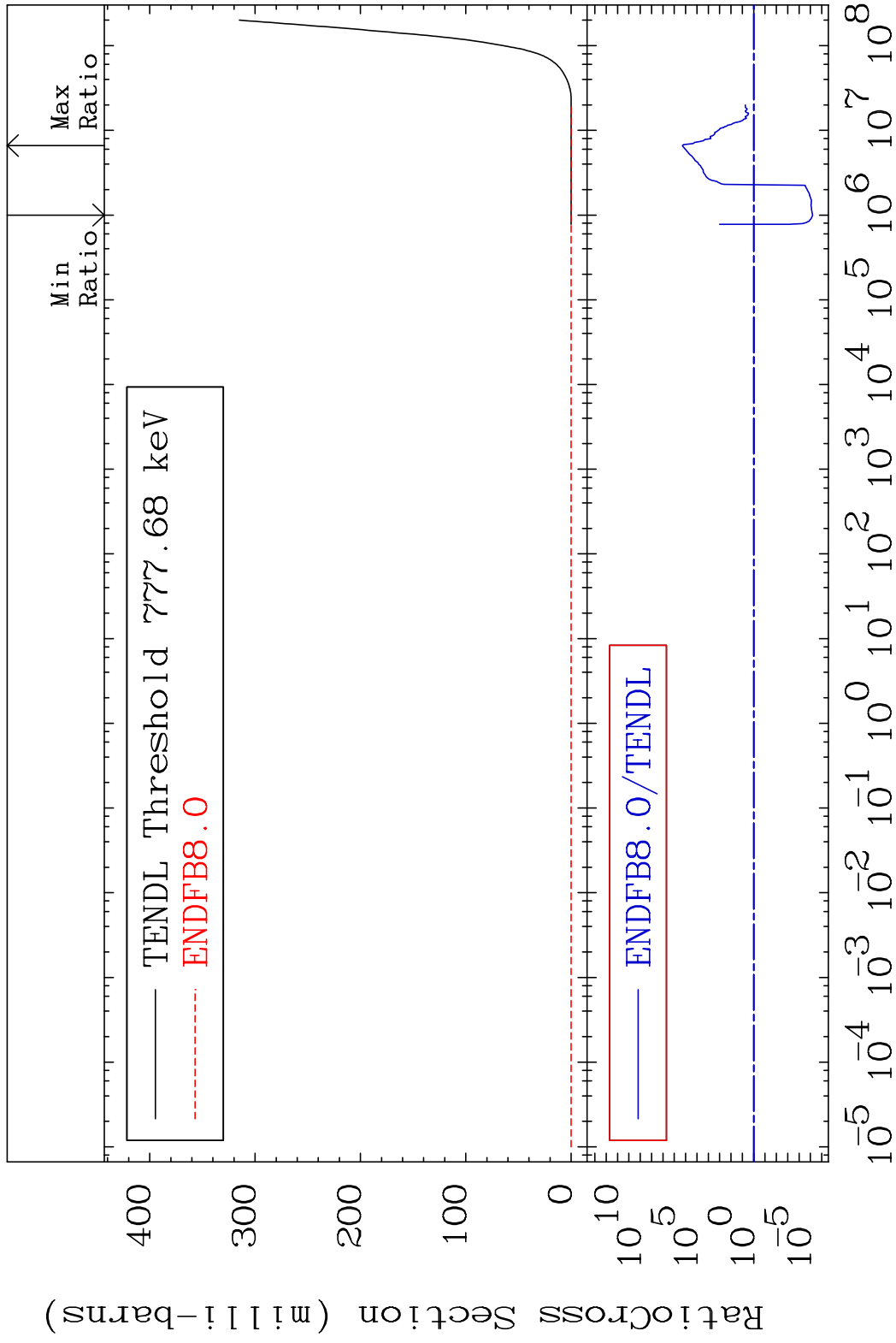
84-Po-209

MAT 8434

He-3 Production

84-Po-209

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

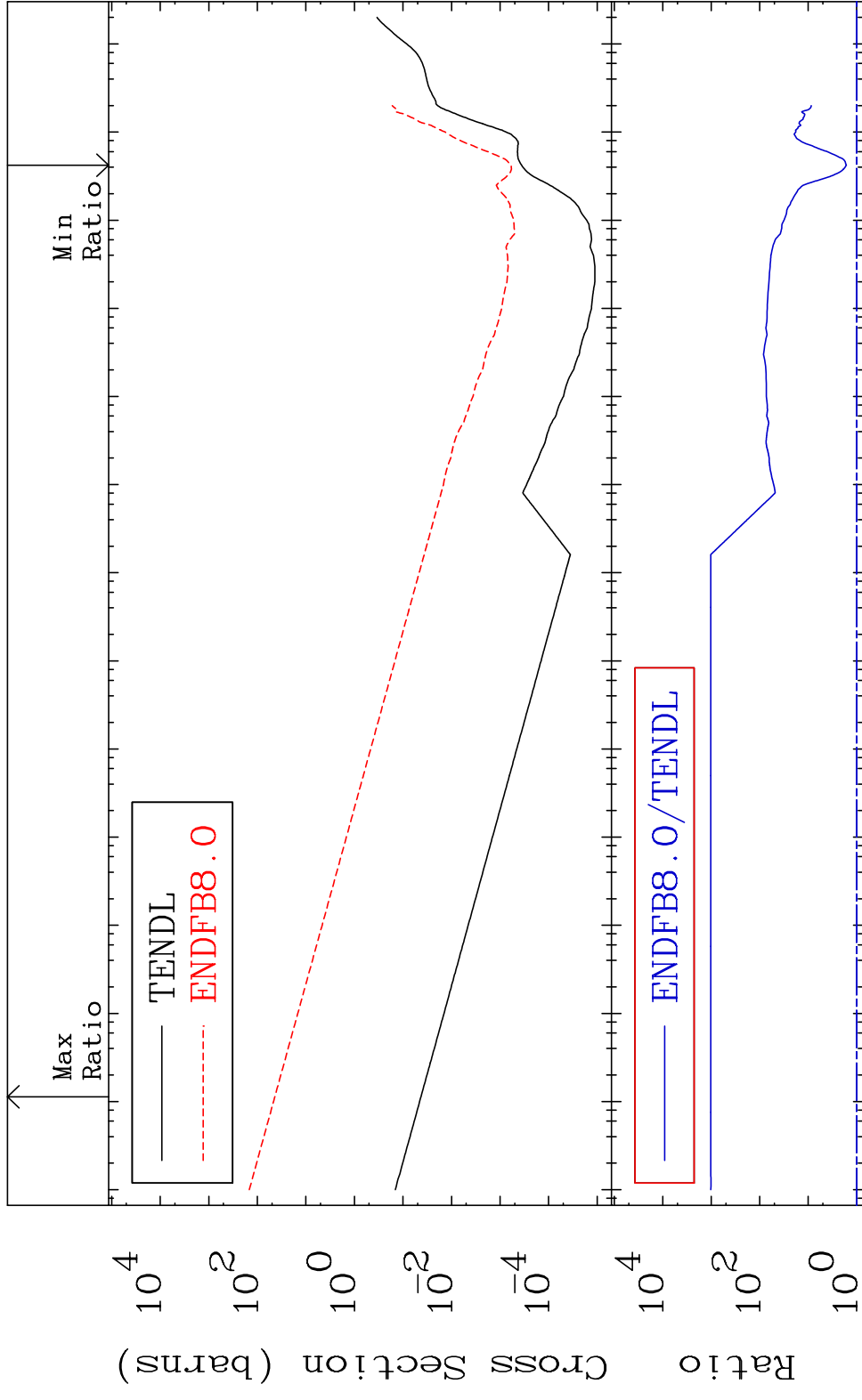
84-Po-209

MAT 8434

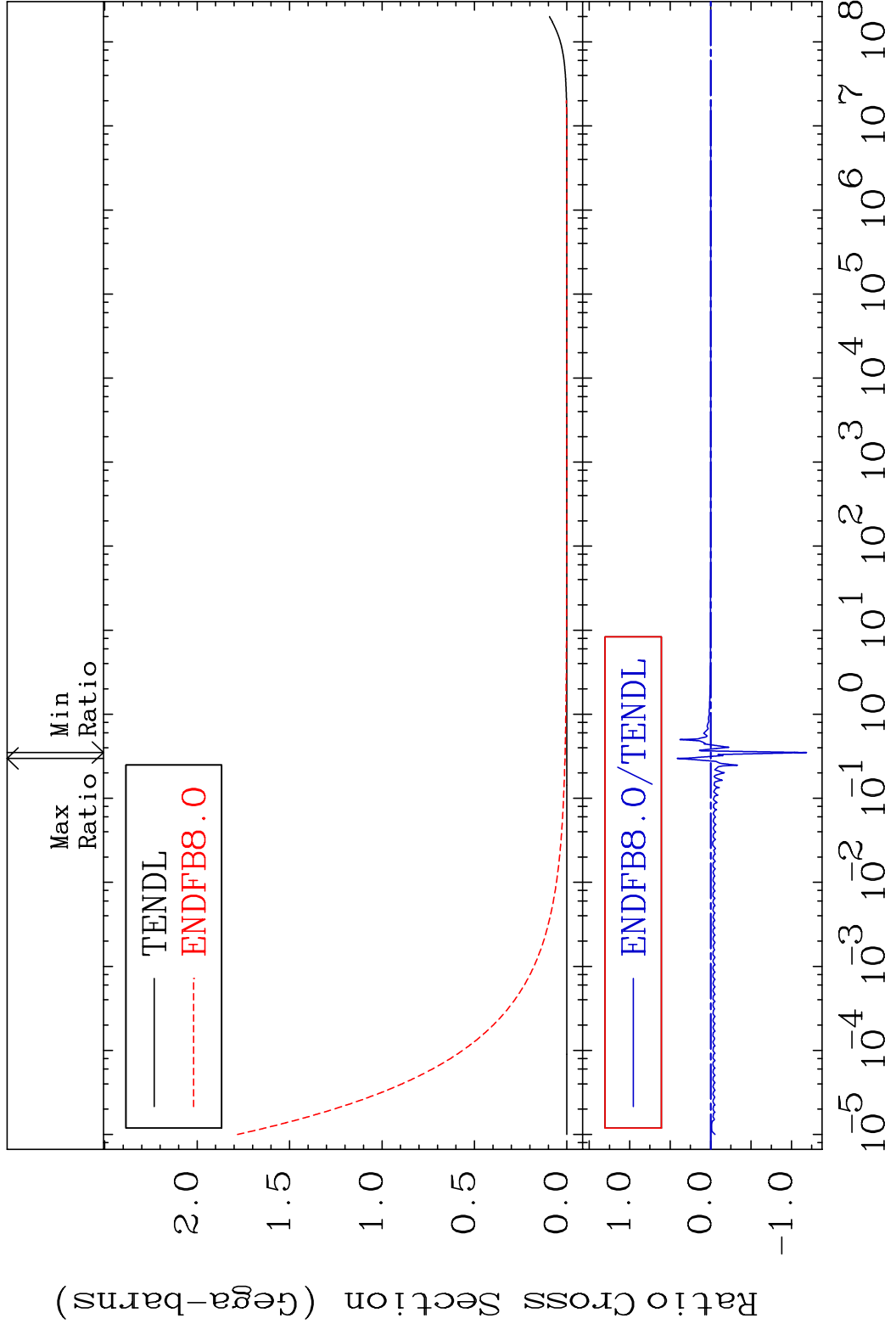
He-4 Production

84-Po-209

Cross Section 63.46 To 9999. %



MAT 8434 Kerma total (eV-barns) 84-Po-209
 Cross Section -9999. To 9999. %

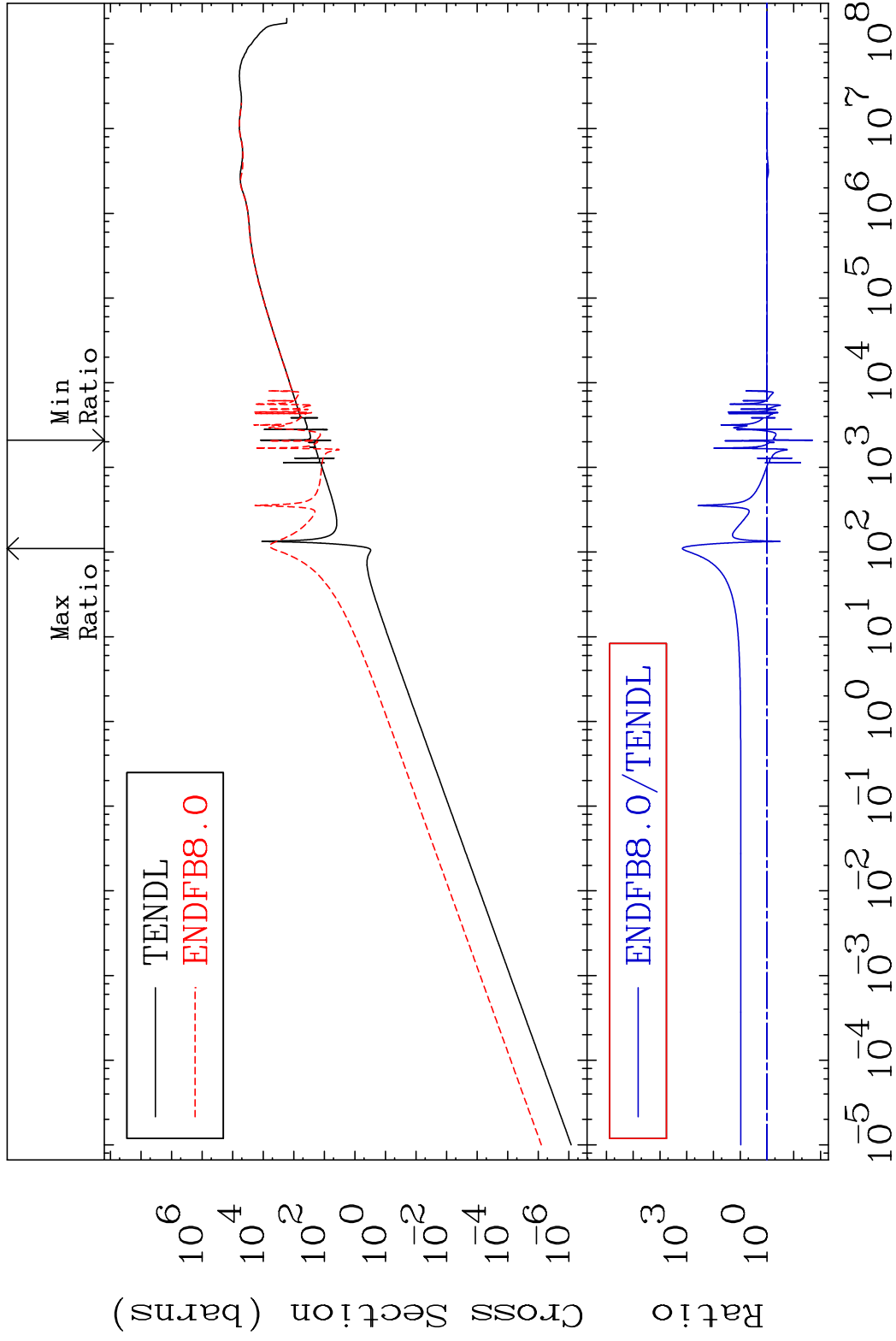


MAT 8434

Kerma elastic

84-Po-209

Cross Section -98.02 To 9999. %

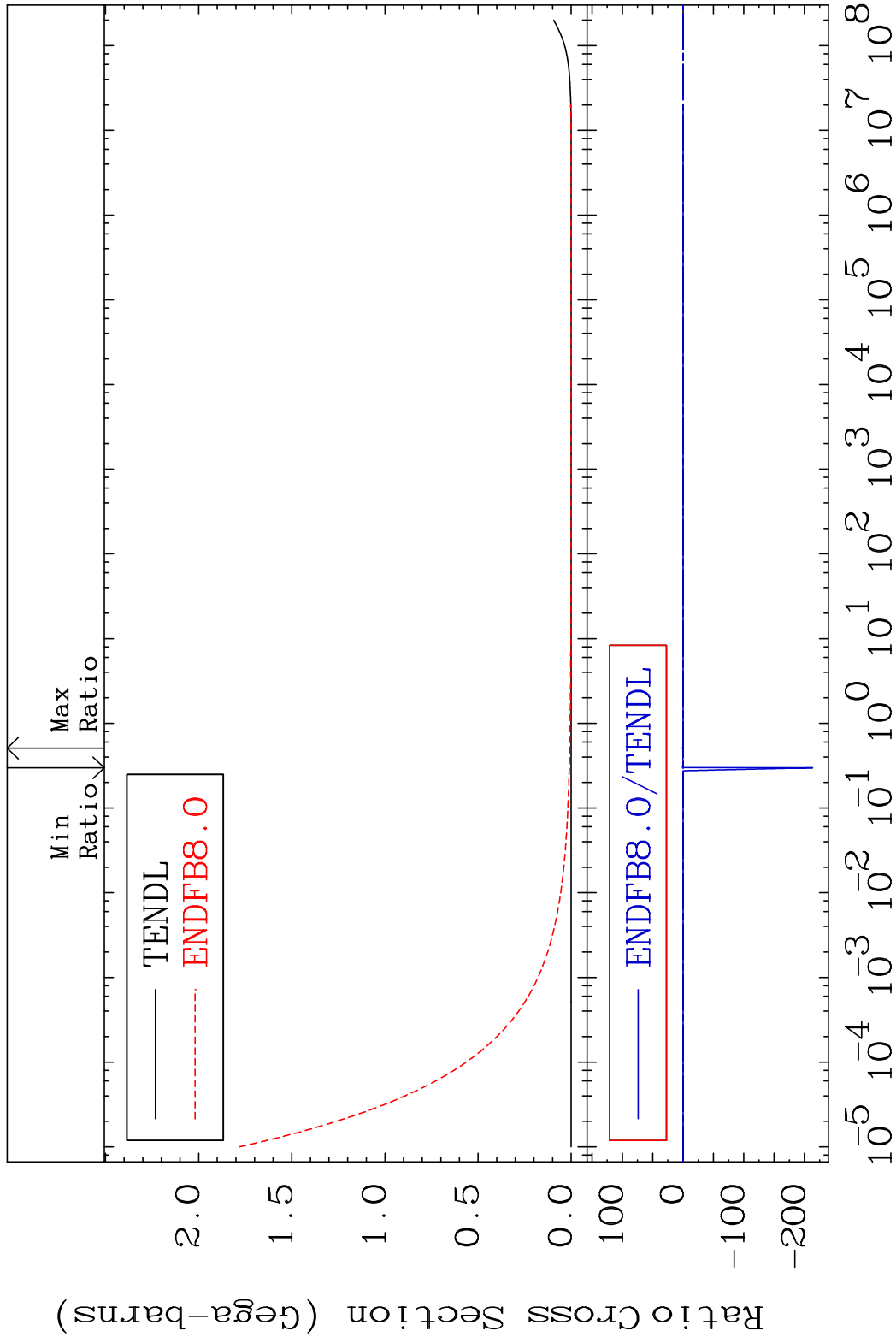


38

Incident Energy (eV)

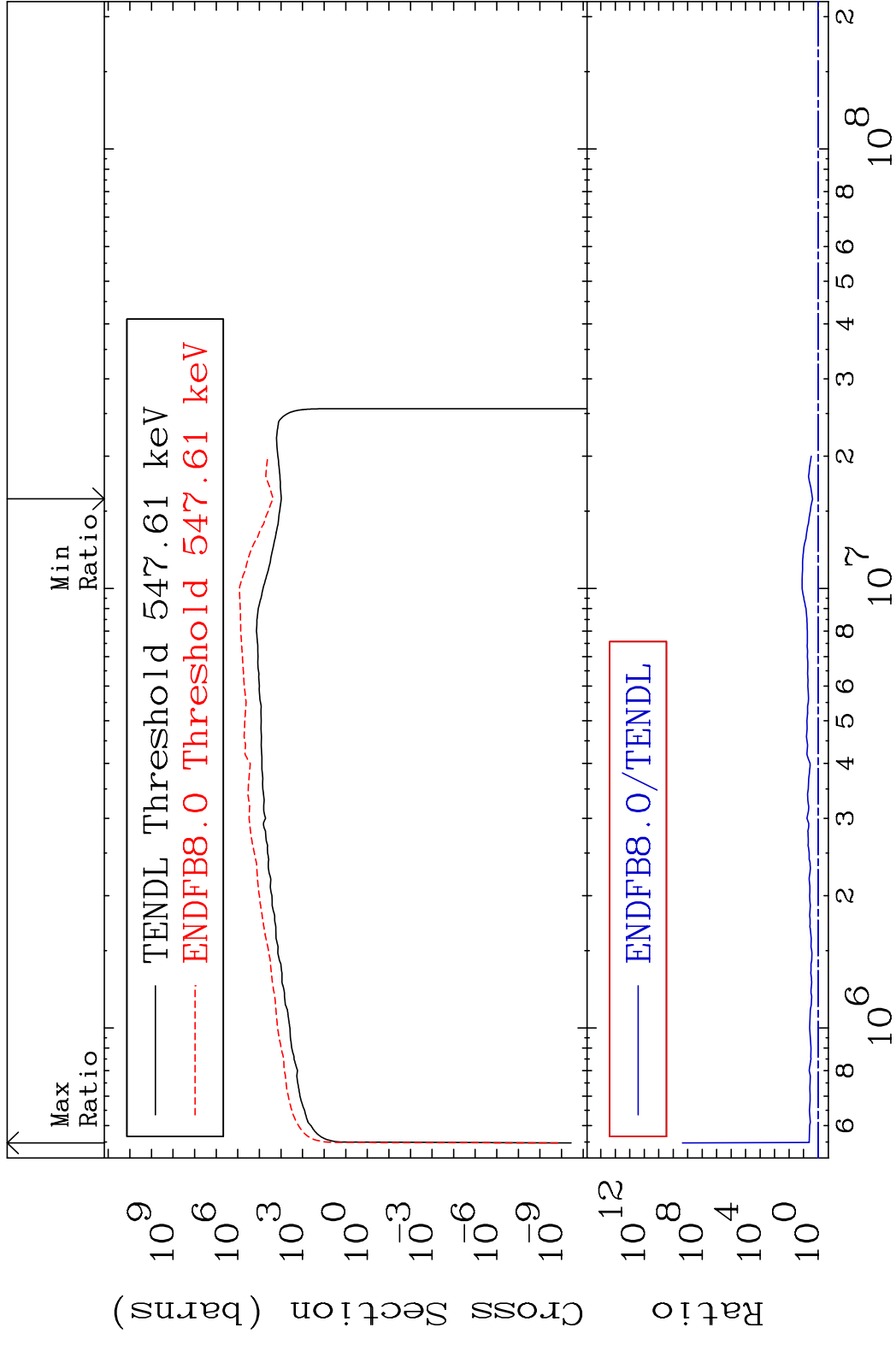
84-Po-209

MAT 8434 Kerma non-elastic (all but mt2) 84-Po-209
Cross Section -9999. To 9999. %

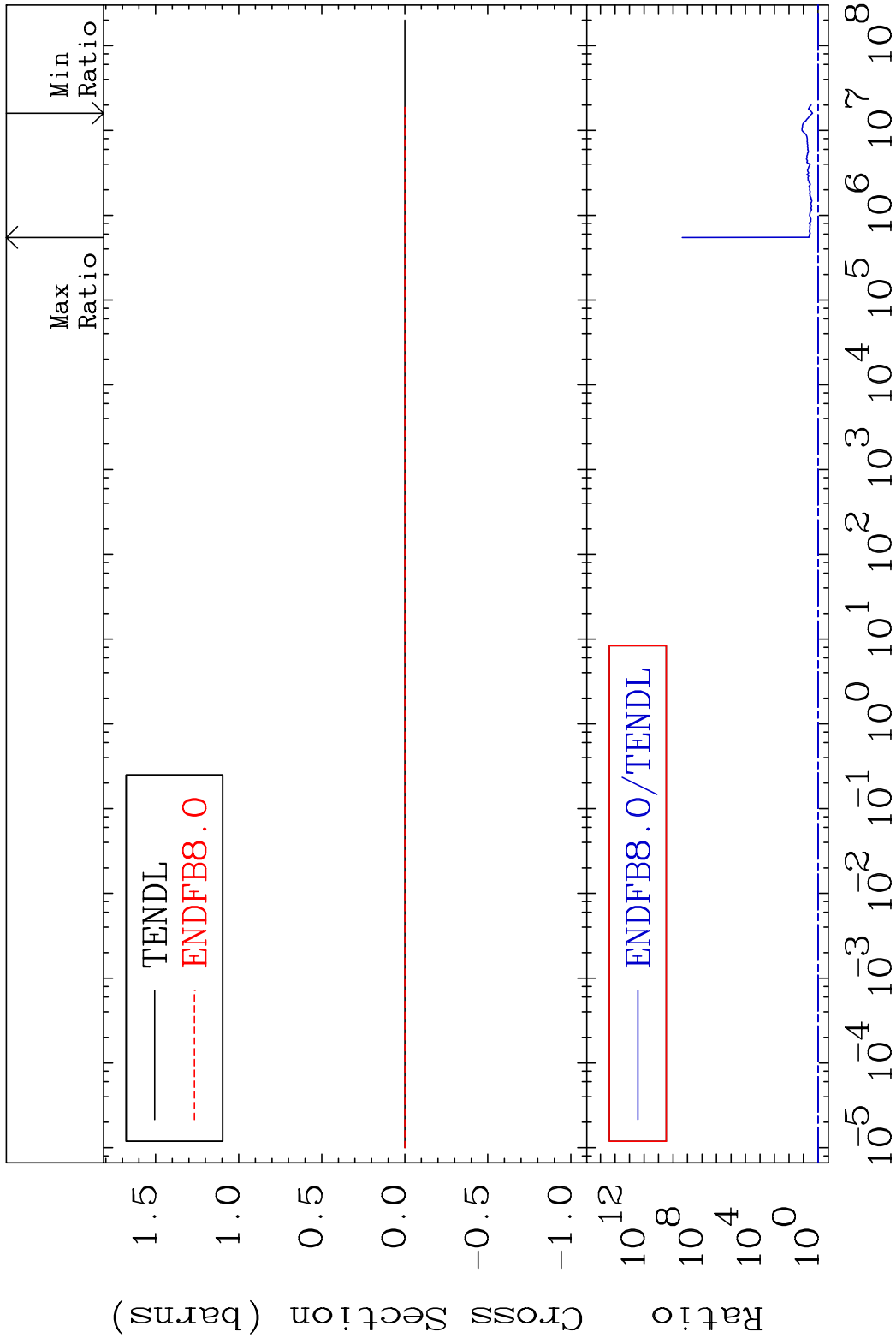


39 Incident Energy (eV) 84-Po-209

MAT 8434 Kerma inelastic (mt51-91) 84-Po-209
 Cross Section 138.1 To 9999. %

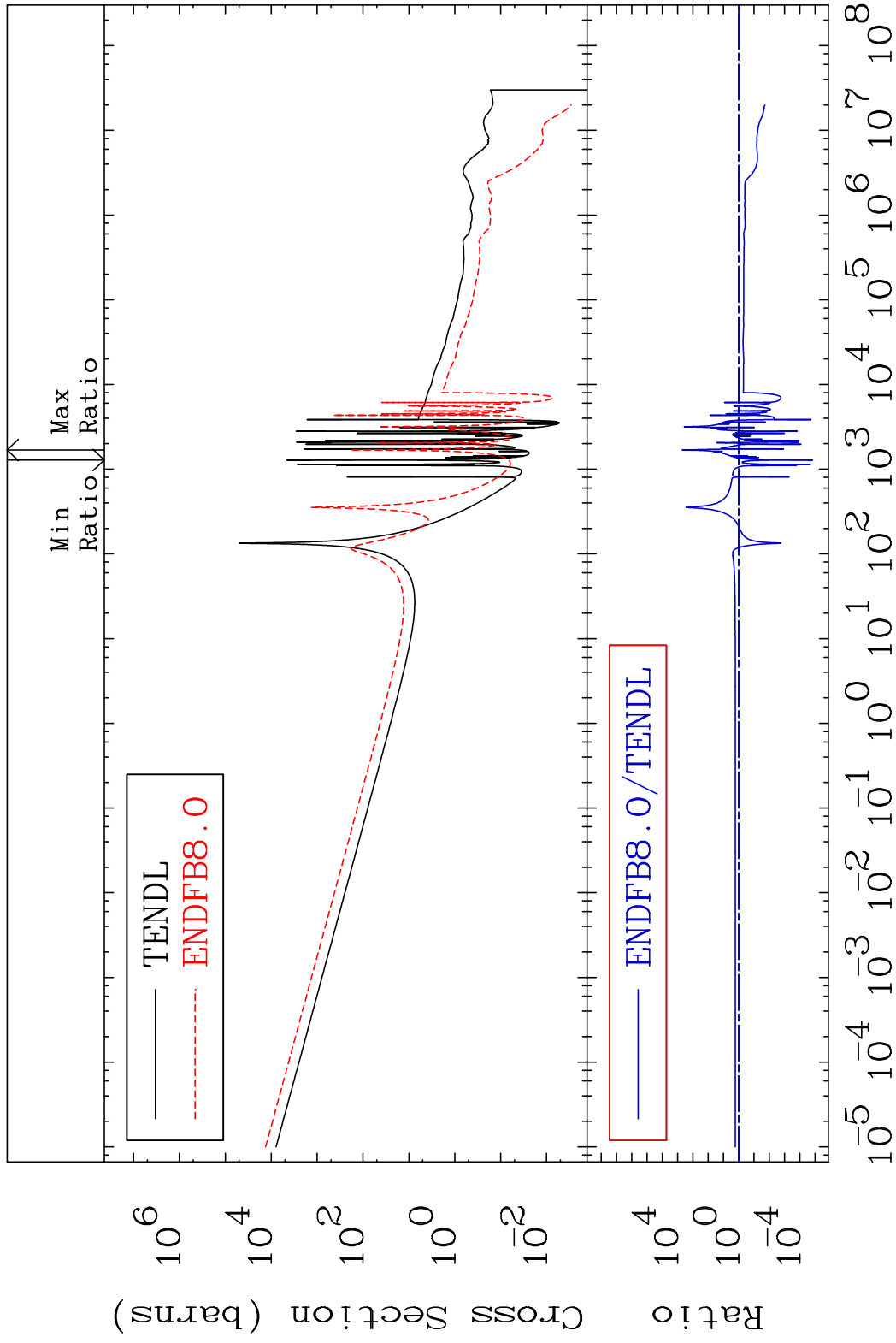


MAT 8434 Kerma fission (mt18 or mt19-20-21-38) 84-Po-209
 Cross Section 138.1 To 9999. %



MAT 8434

Kerma capture (mt102) 84-Po-209
Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

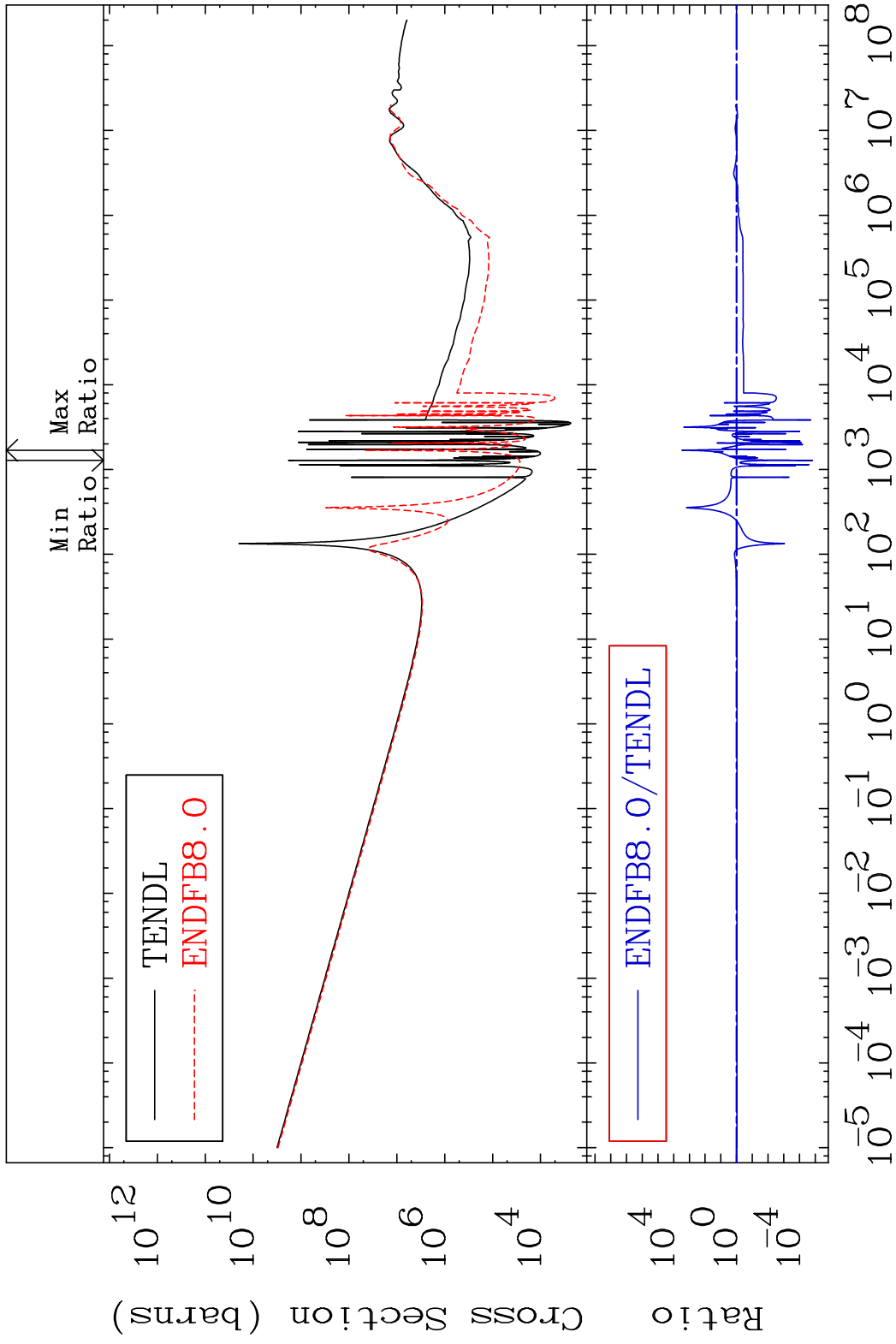
84-Po-209

MAT 8434

Total photon (eV-barns)

84-Po-209

Cross Section -100.0 To 9999. %

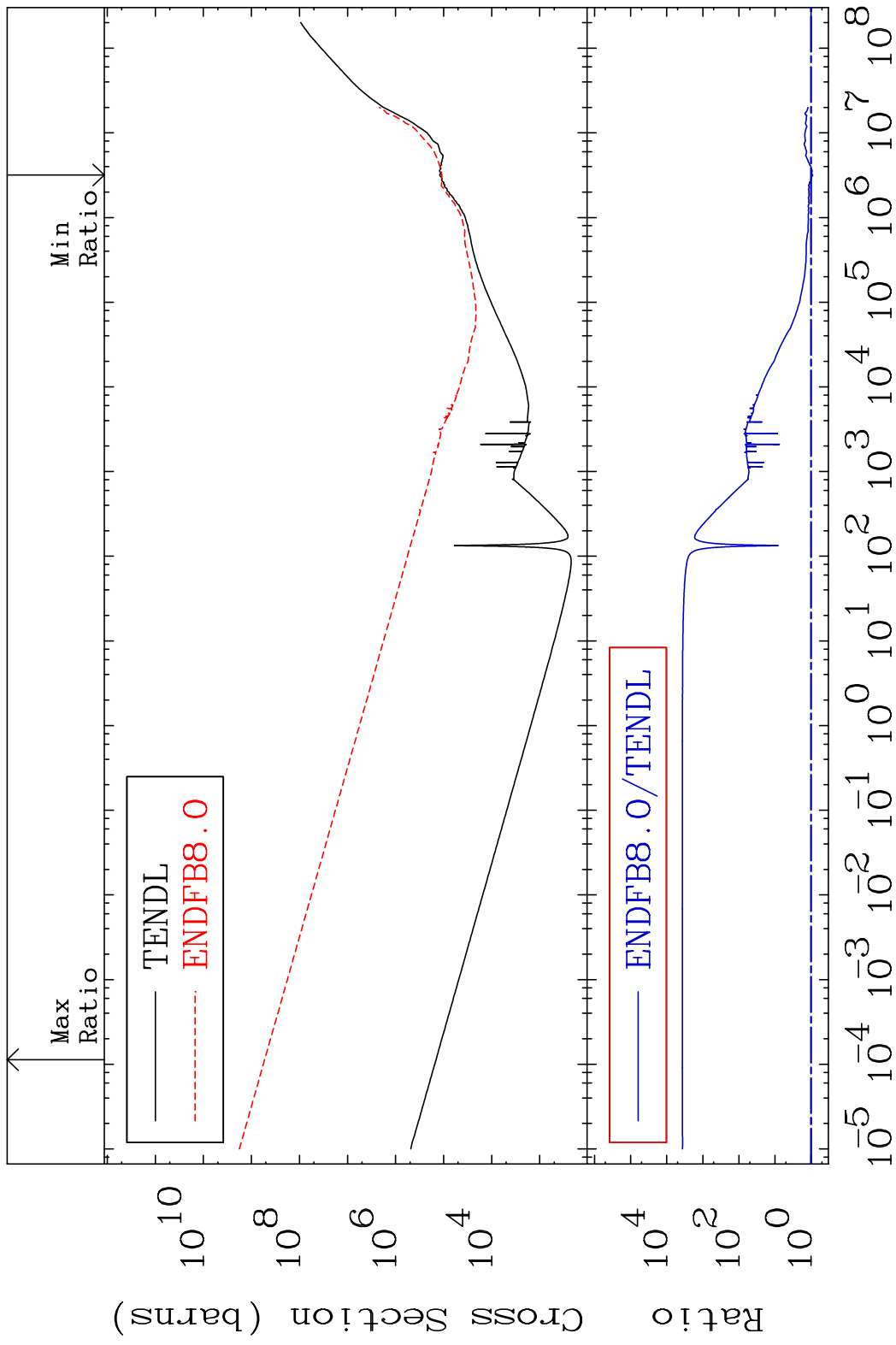


43

Incident Energy (eV)

84-Po-209

MAT 8434 Total kinematic kerma (high limit) 84-Po-209
 Cross Section -8.902 To 9999. %

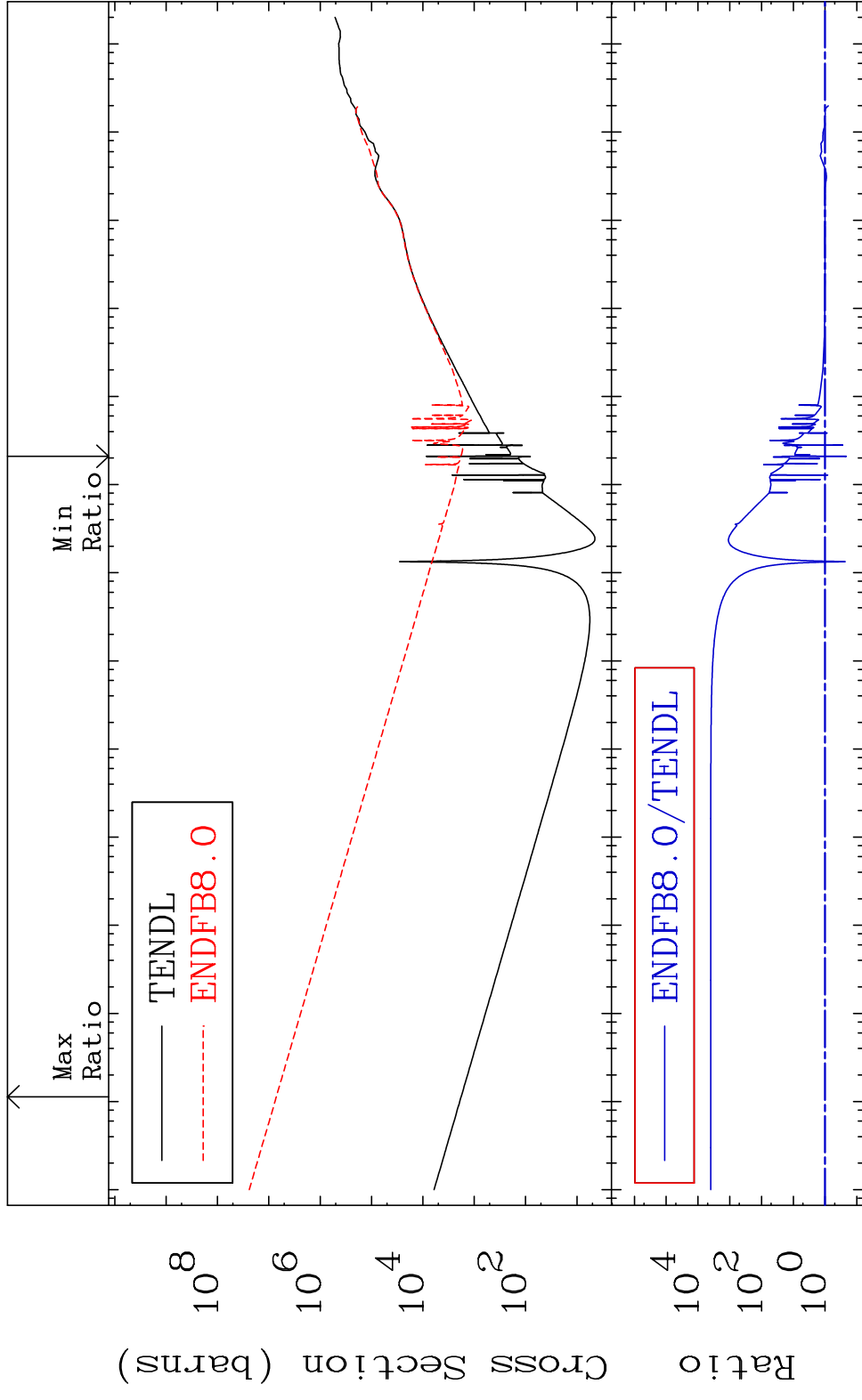


MAT 8434

Dpa total (eV-barns)

84-Po-209

Cross Section -78.54 To 9999. %



45

Incident Energy (eV)

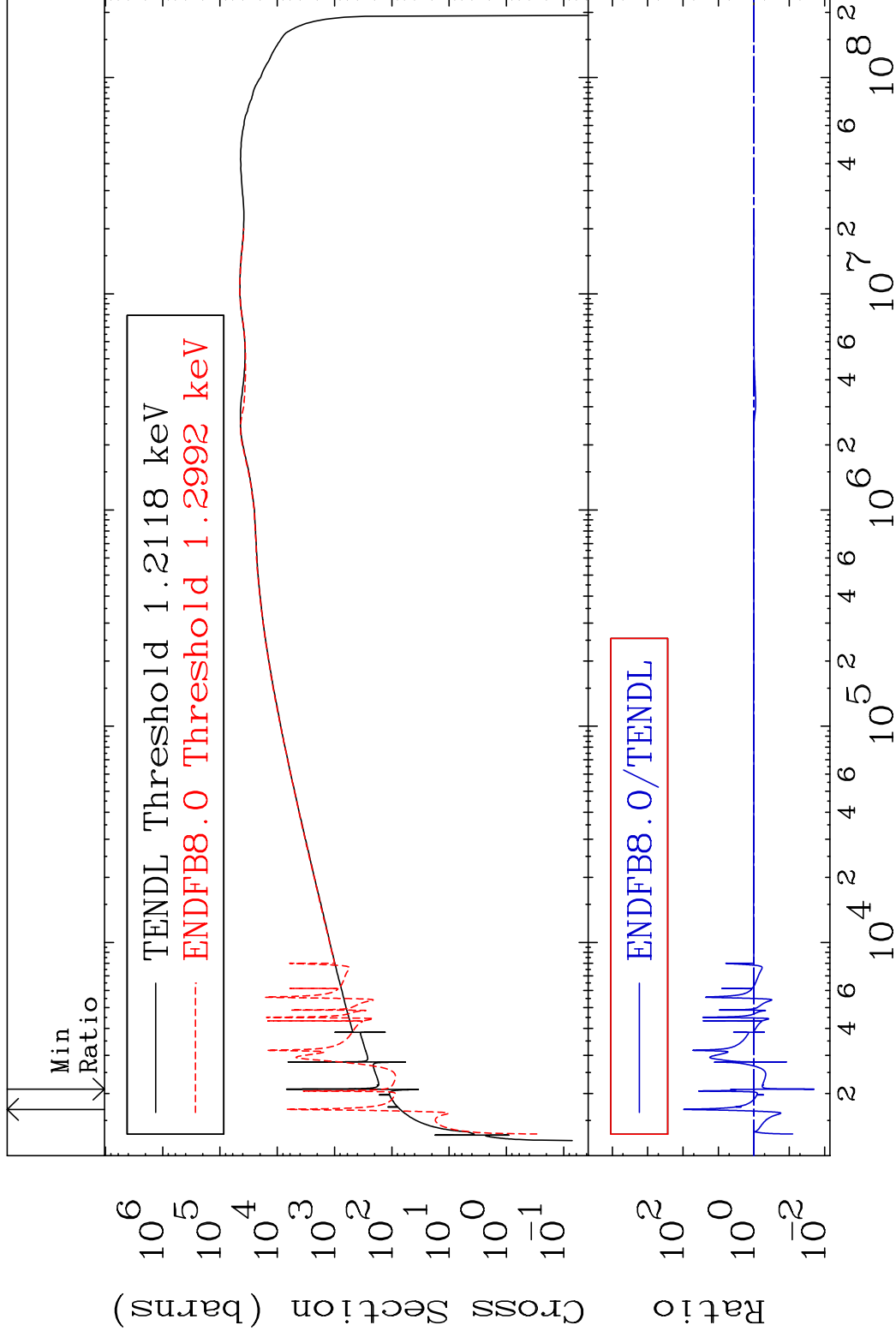
84-Po-209

MAT 8434

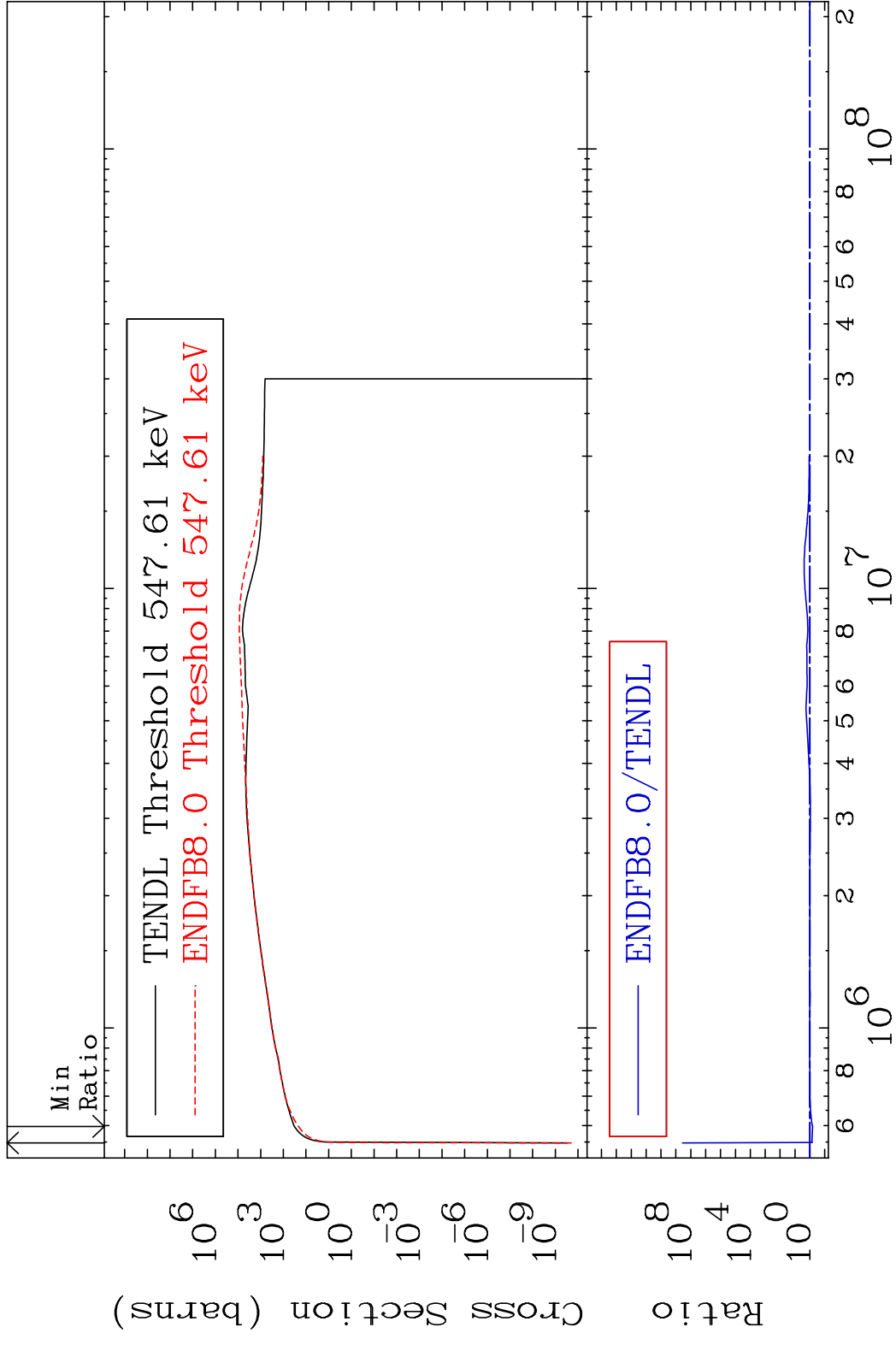
Dpa elastic (mt2)

84-Po-209

Cross Section -98.02 To 9539. %



MAT 8434 Dpa inelastic (mt51-91) 84-Po-209
 Cross Section -34.12 To 9999. %



MAT 8434 Dpa disappearance (mt102 -120) 84-Po-209
 Cross Section -77.02 To 9999. %

