

Program Complot
(Version 2021-1)

by

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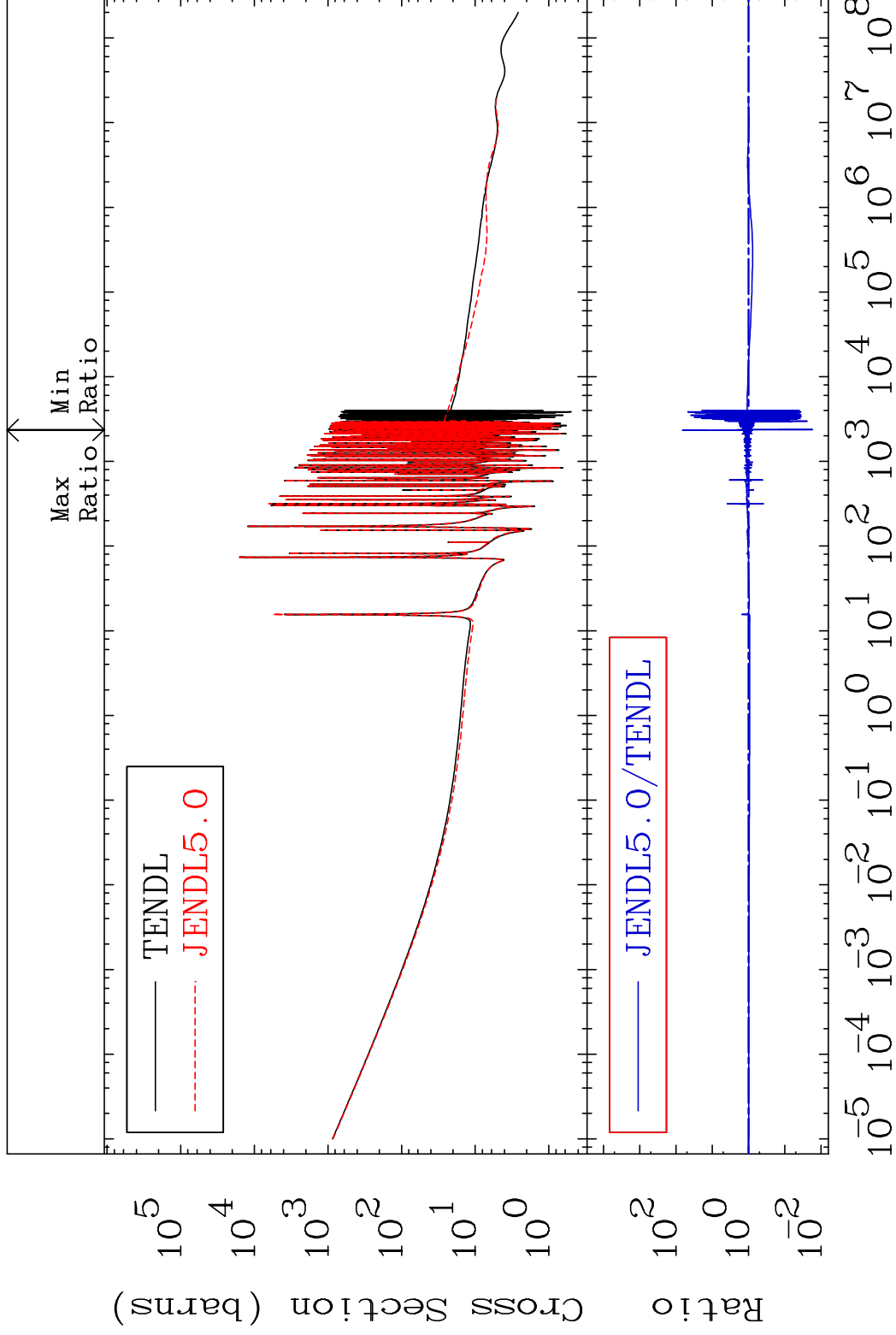
Press Mouse Button to Start

MAT 6837

Total

68-Er-166

Cross Section -98.29 To 6562. %



1

Incident Energy (eV)

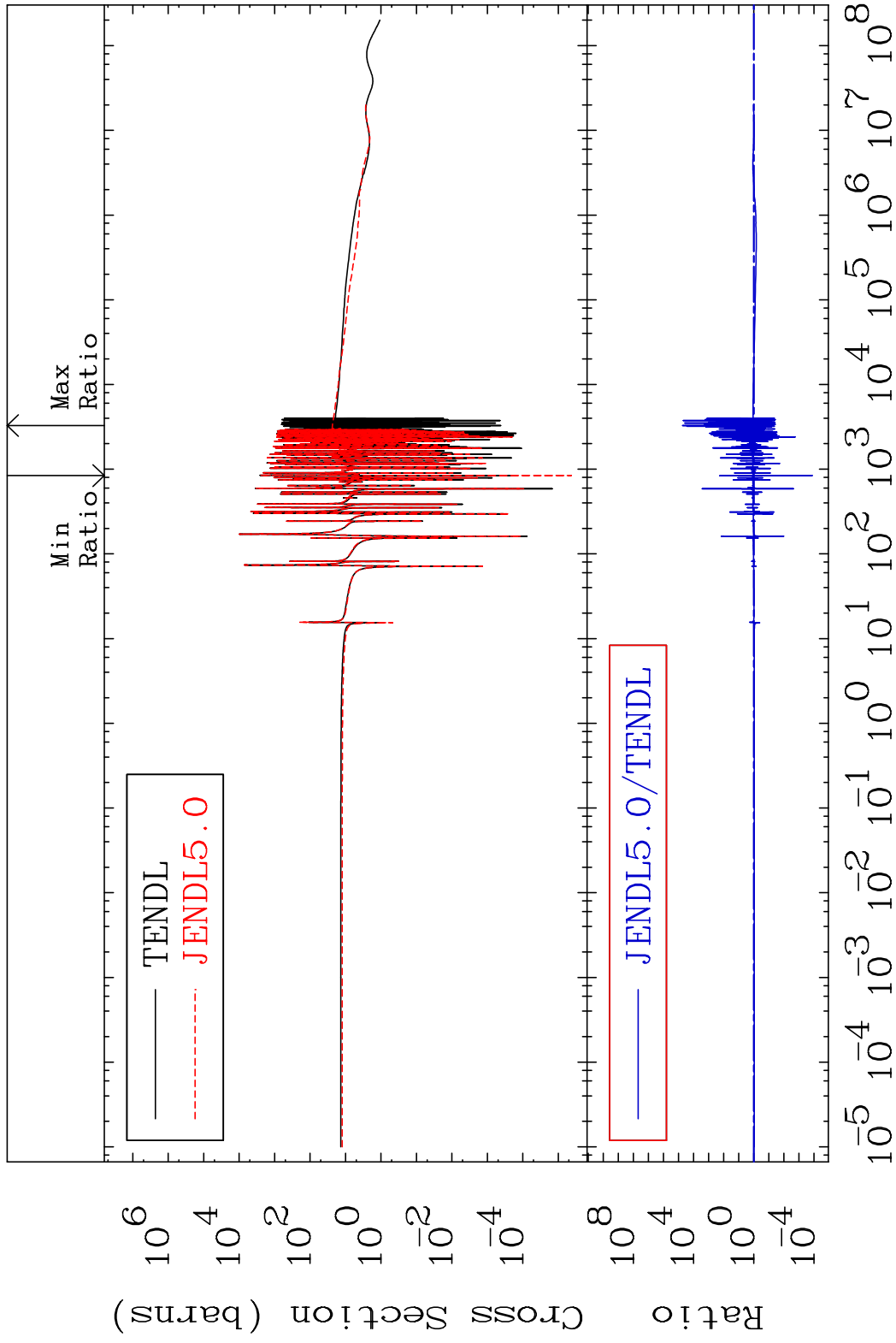
68-Er-166

MAT 6837

Elastic

68-Er-166

Cross Section -99.99 To 9999. %

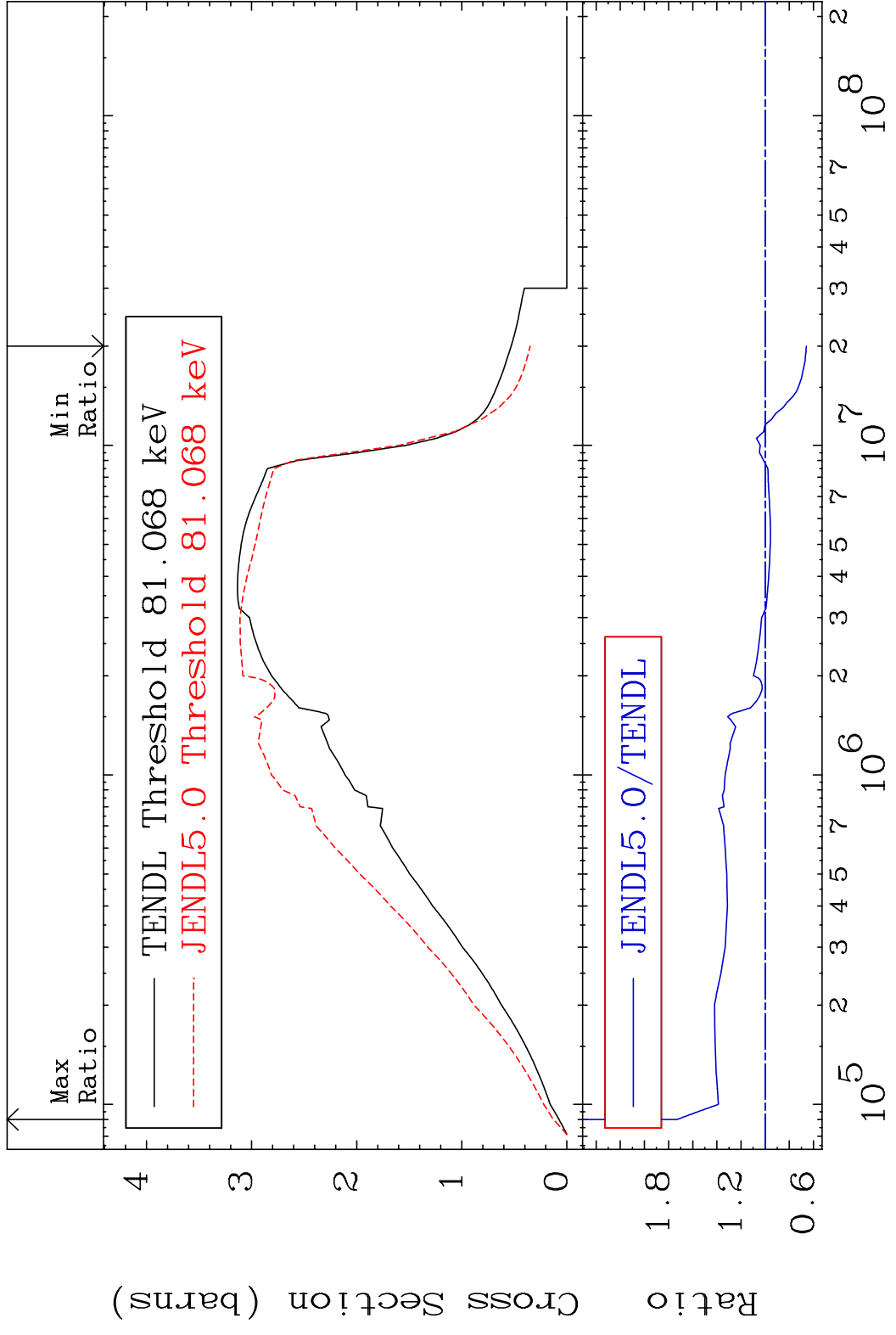


2

Incident Energy (eV)

68-Er-166

MAT 6837 Inelastic 68-Er-166
 Cross Section -34.11 To 72.86 %



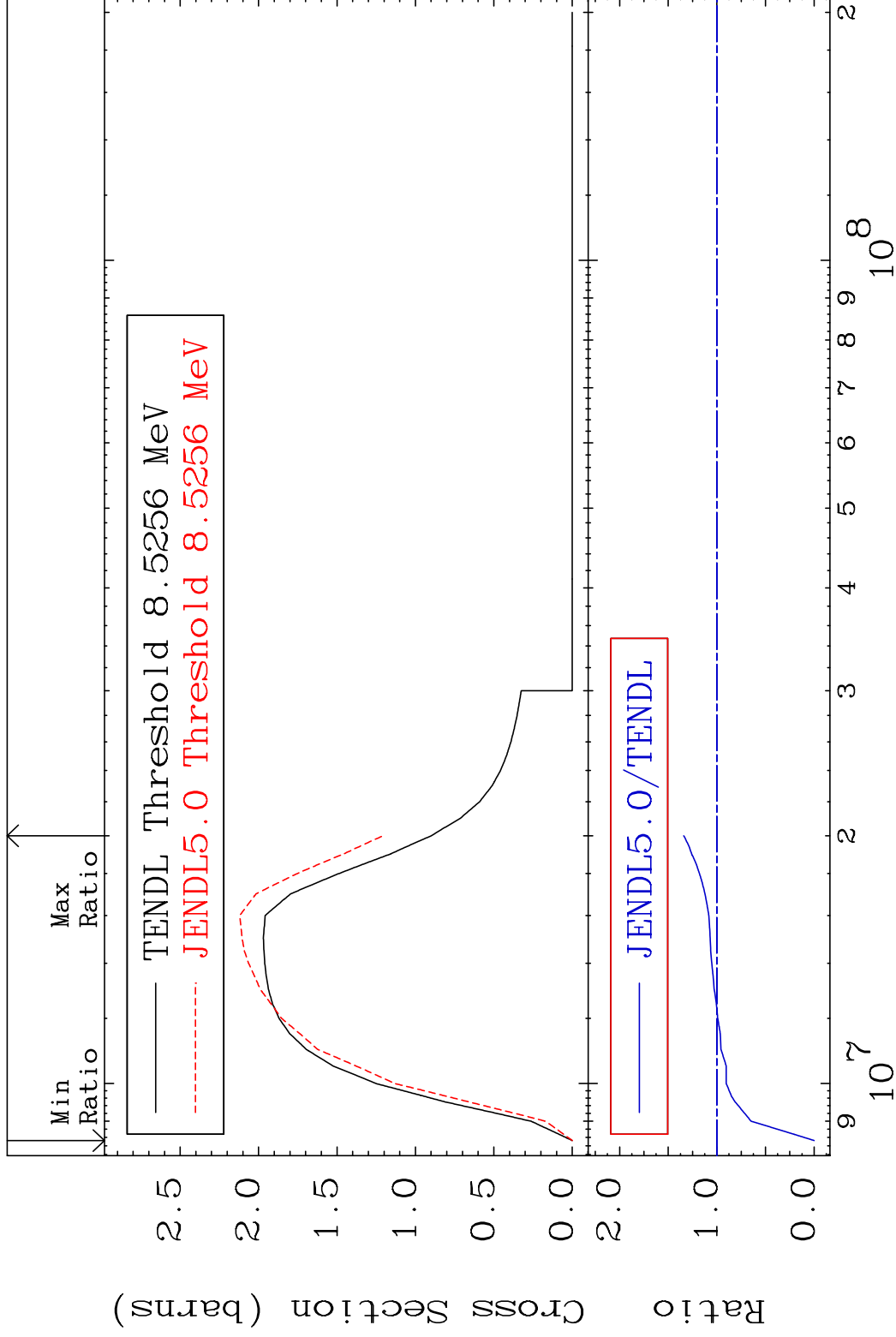
3 Incident Energy (eV) 68-Er-166

MAT 6837

(n,2n)

68-Er-166

Cross Section -100.0 To 34.15 %



4

Incident Energy (eV)

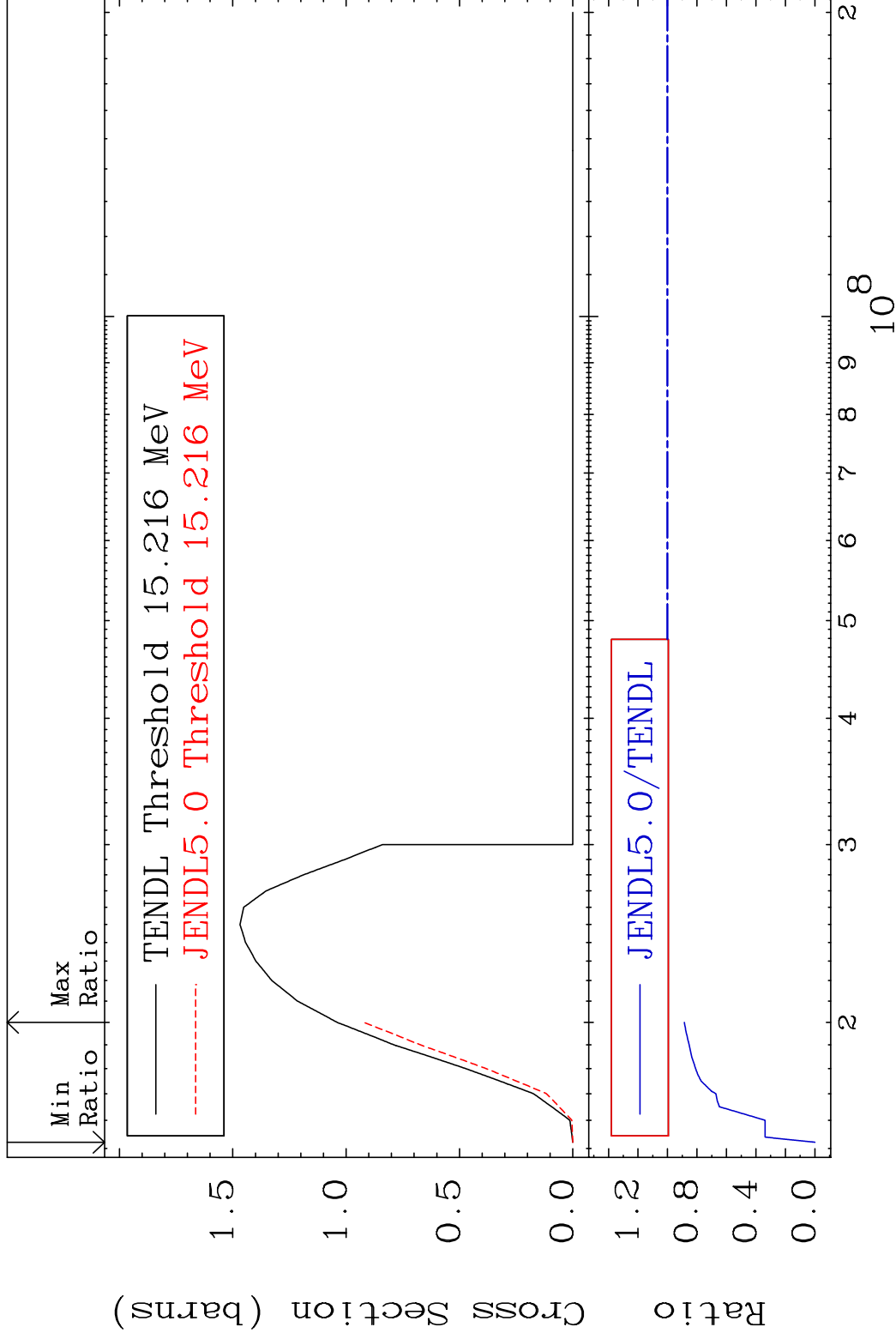
68-Er-166

MAT 6837

(n,3n)

68-Er-166

Cross Section -100.0 To -11.40%



5

Incident Energy (eV)

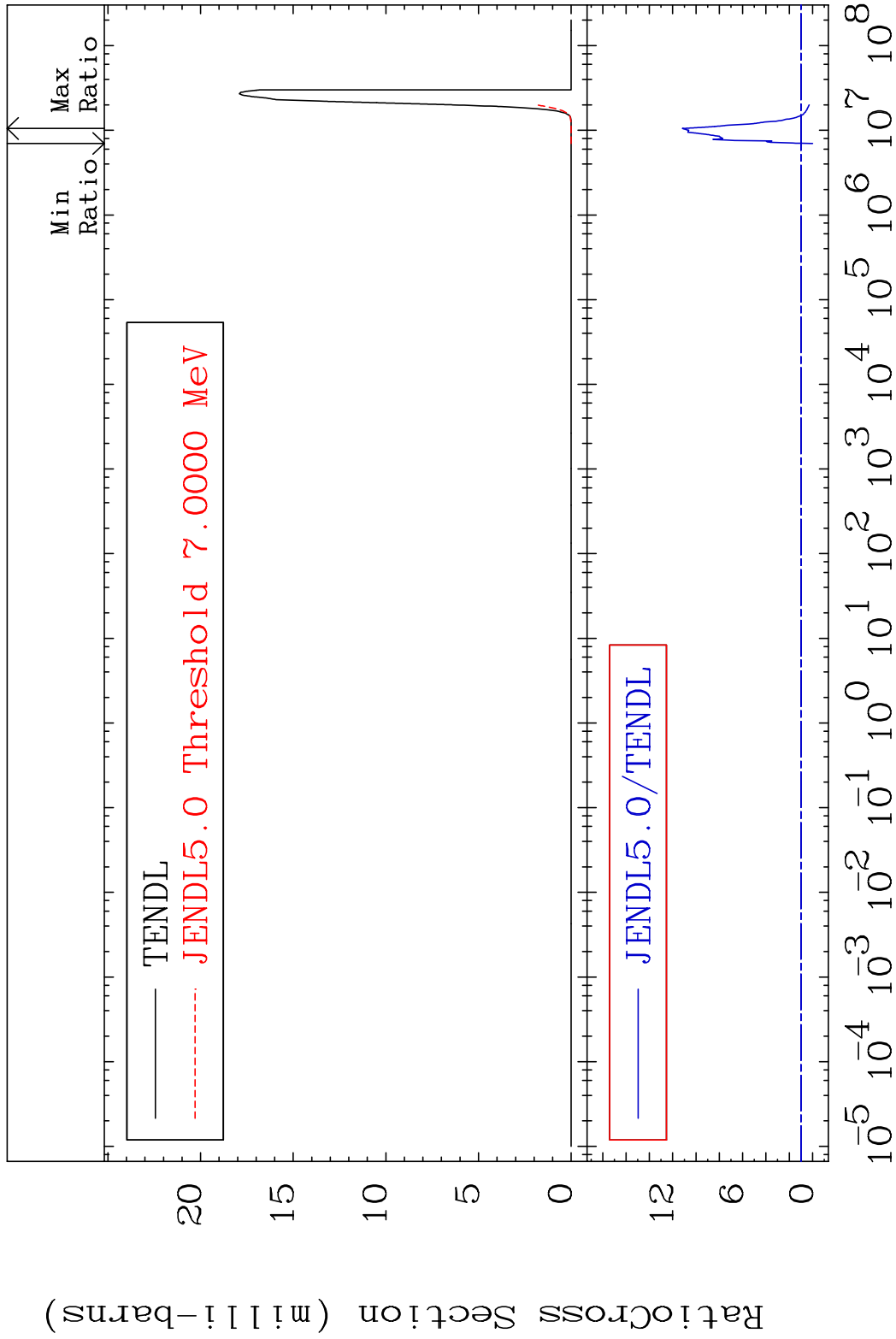
68-Er-166

MAT 6837

(n, n') α

68-Er-166

Cross Section -100.0 To 1017. %



6

Incident Energy (eV)

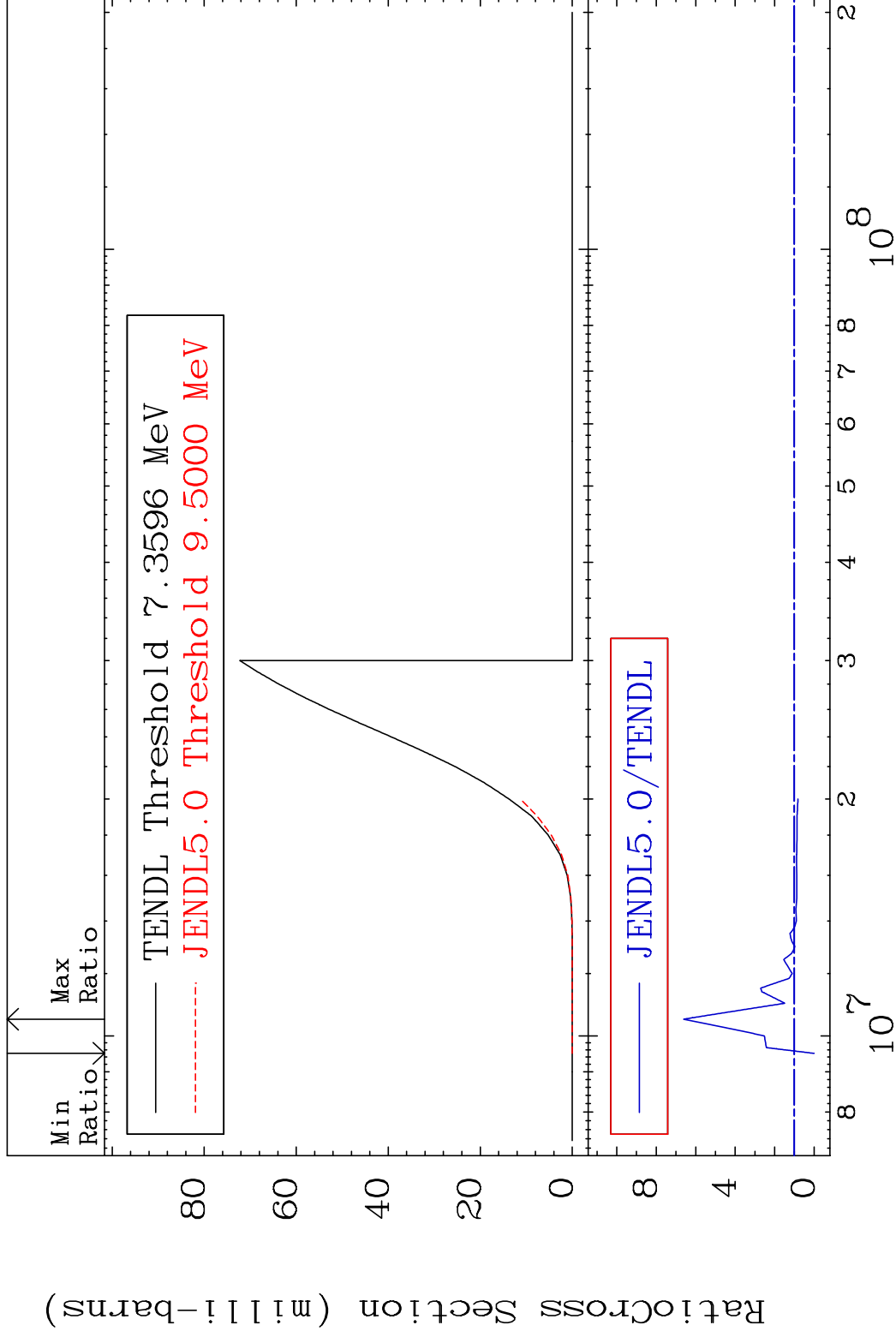
68-Er-166

MAT 6837

(n, n') p

68-Er-166

Cross Section -100.0 To 561.0 %



7

Incident Energy (eV)

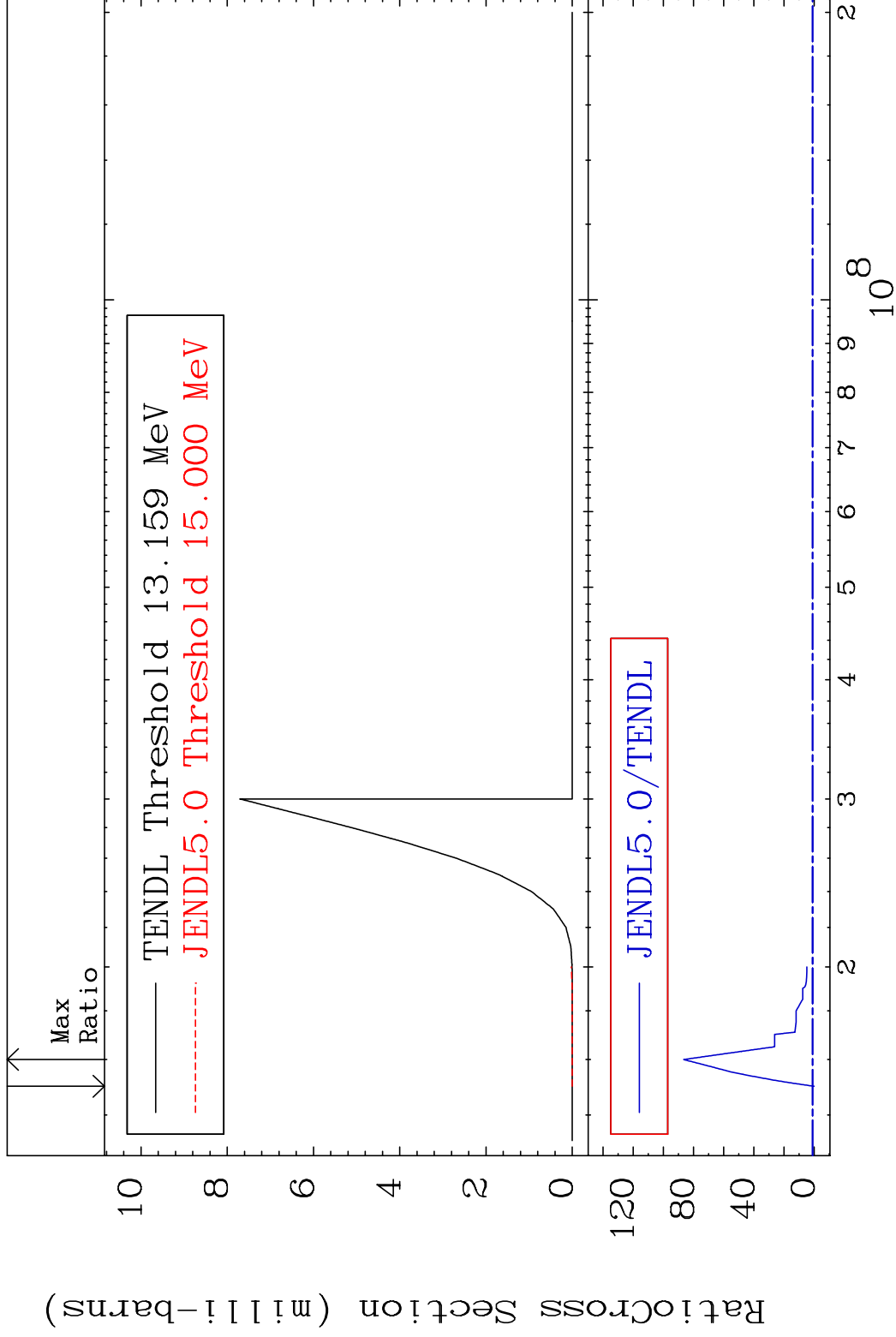
68-Er-166

MAT 6837

(n, n') d

68-Er-166

Cross Section -100.0 To 8555. %

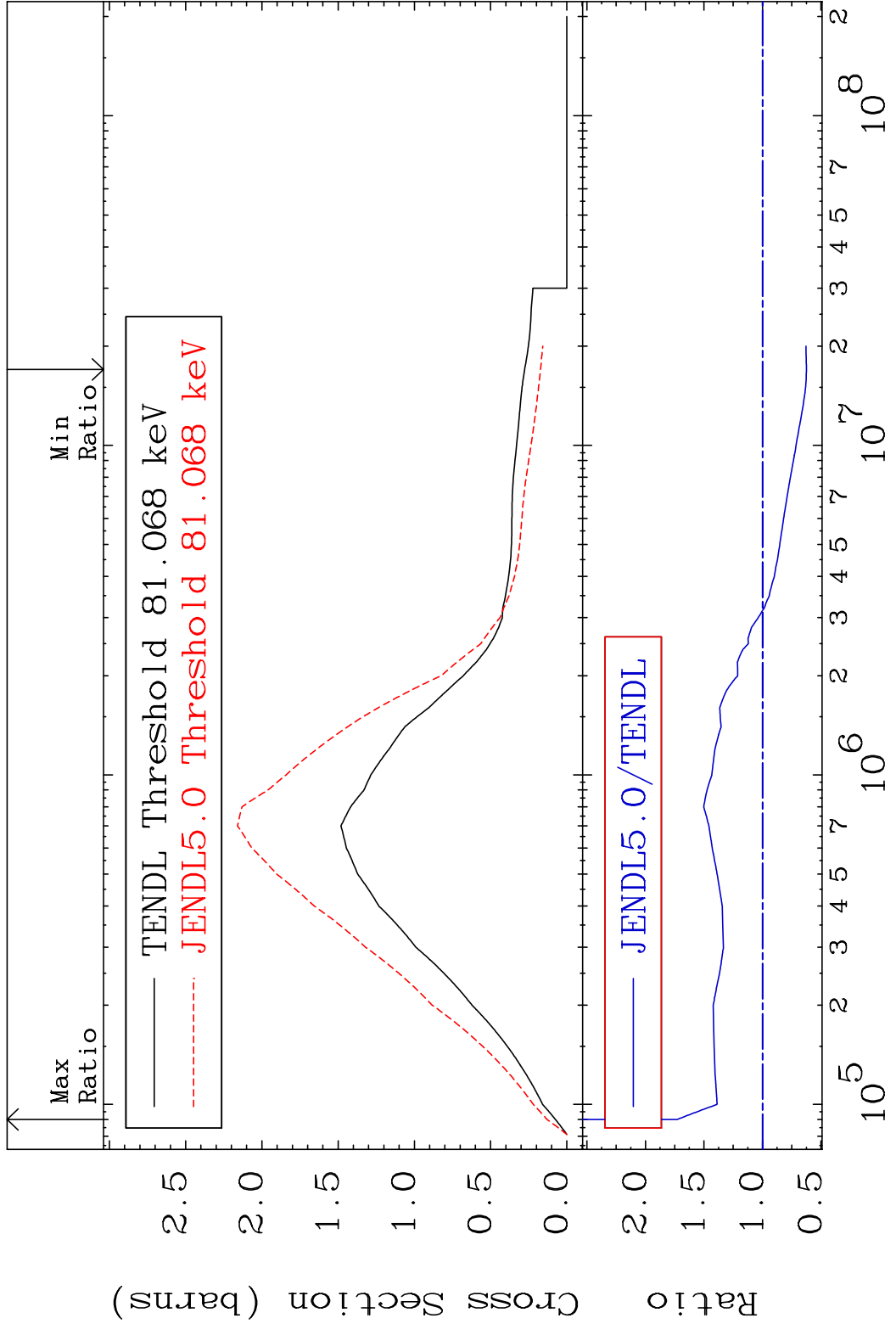


8

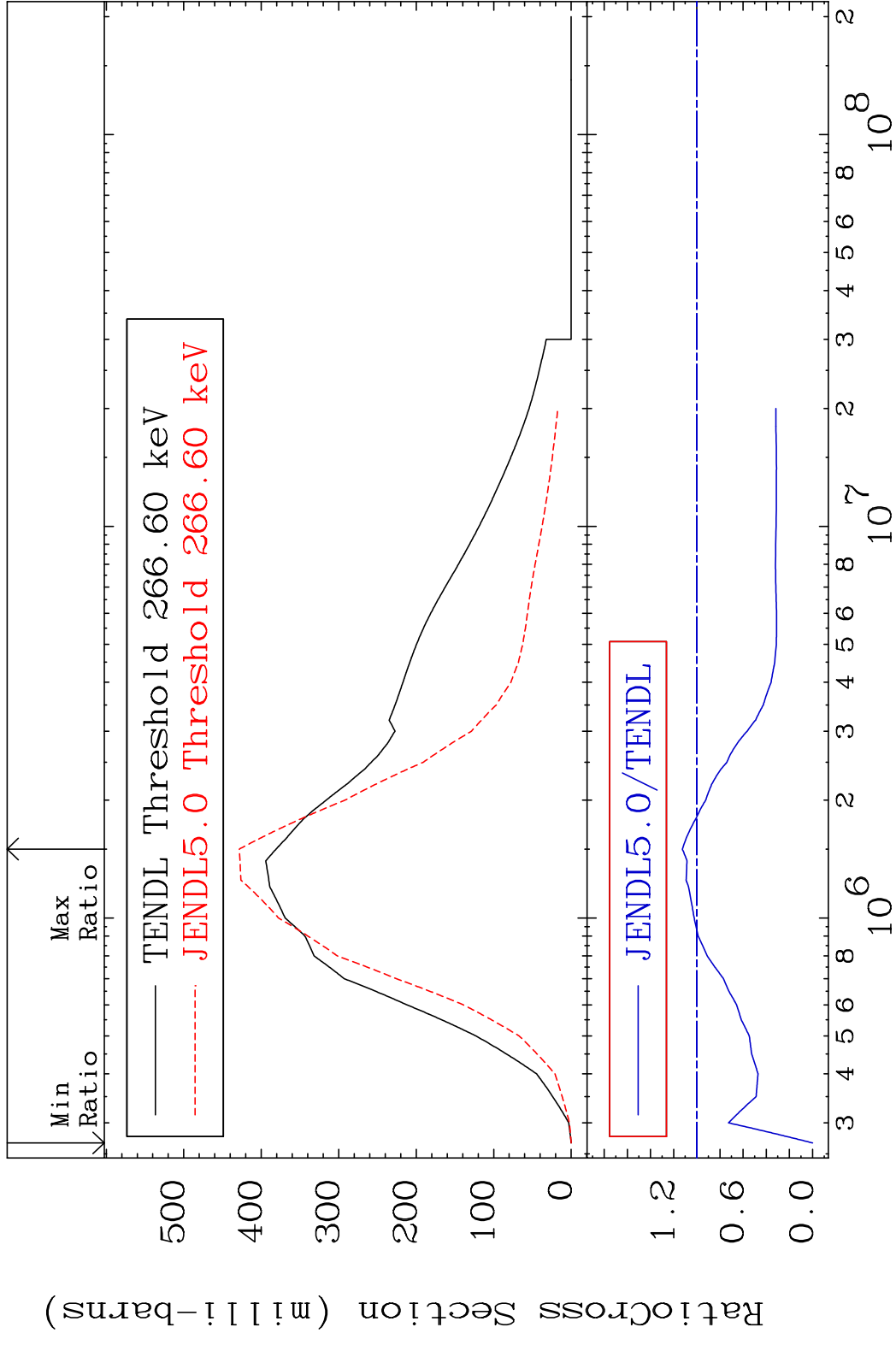
Incident Energy (eV)

68-Er-166

MAT 6837 MT= 51 (n, n') Level 68-Er-166
 Cross Section -37.53 To 72.86 %

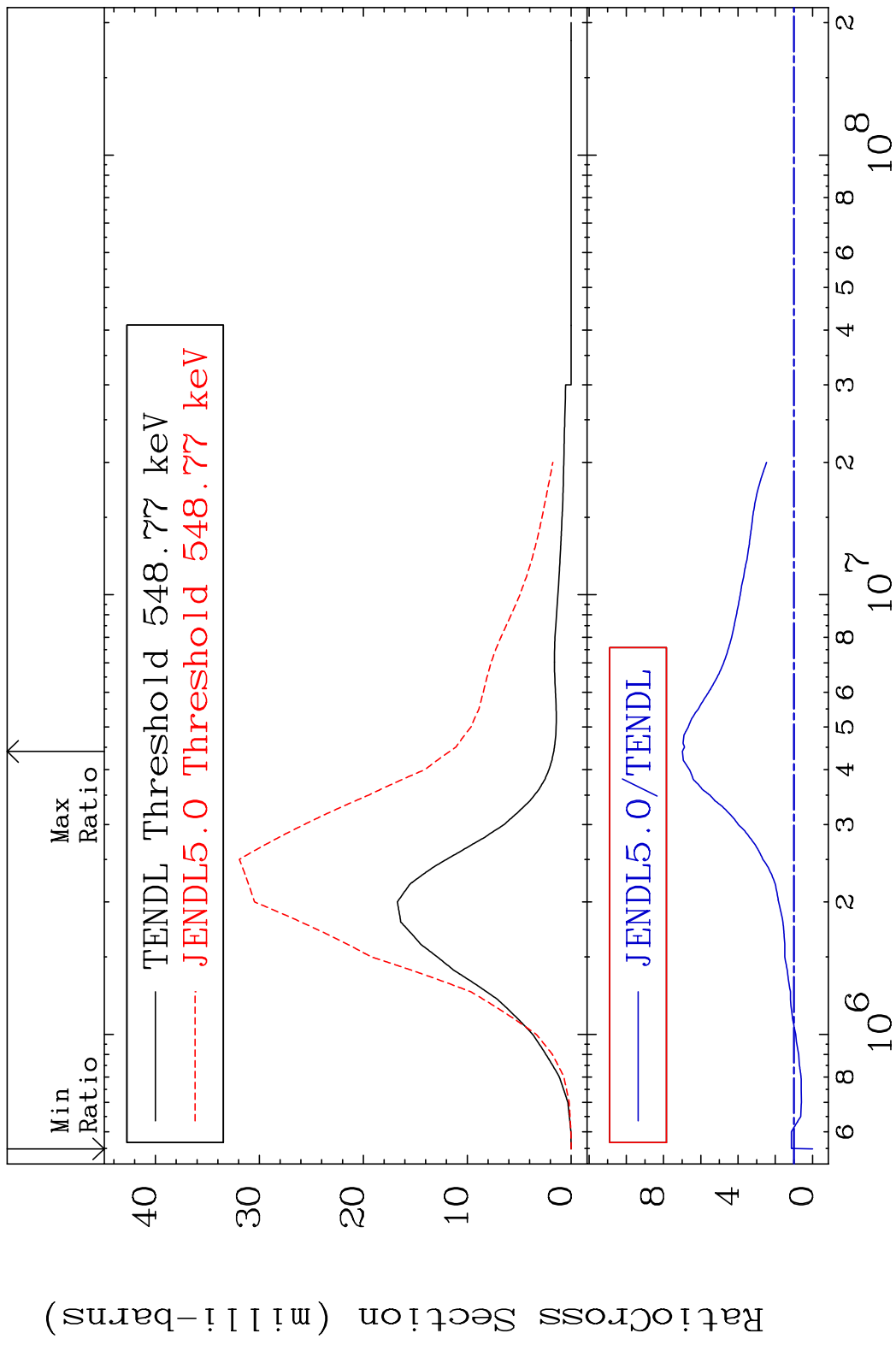


MAT 6837 MT= 52 (n, n') Level 68-Er-166
 Cross Section -100.0 To 12.47 %

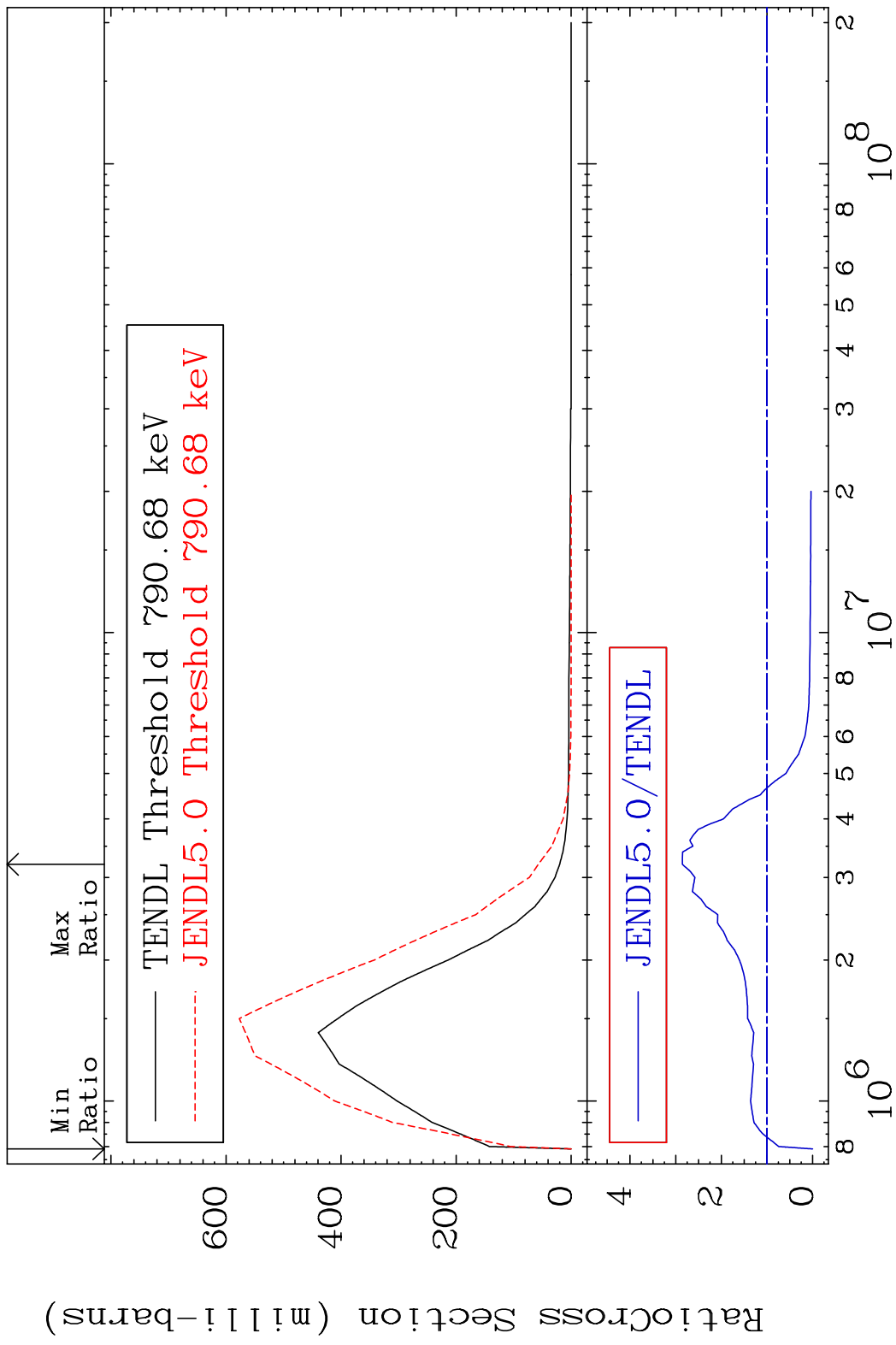


10 Incident Energy (eV) 68-Er-166

MAT 6837 MT= 53 (n, n') Level 68-Er-166
 Cross Section -100.0 To 598.9 %

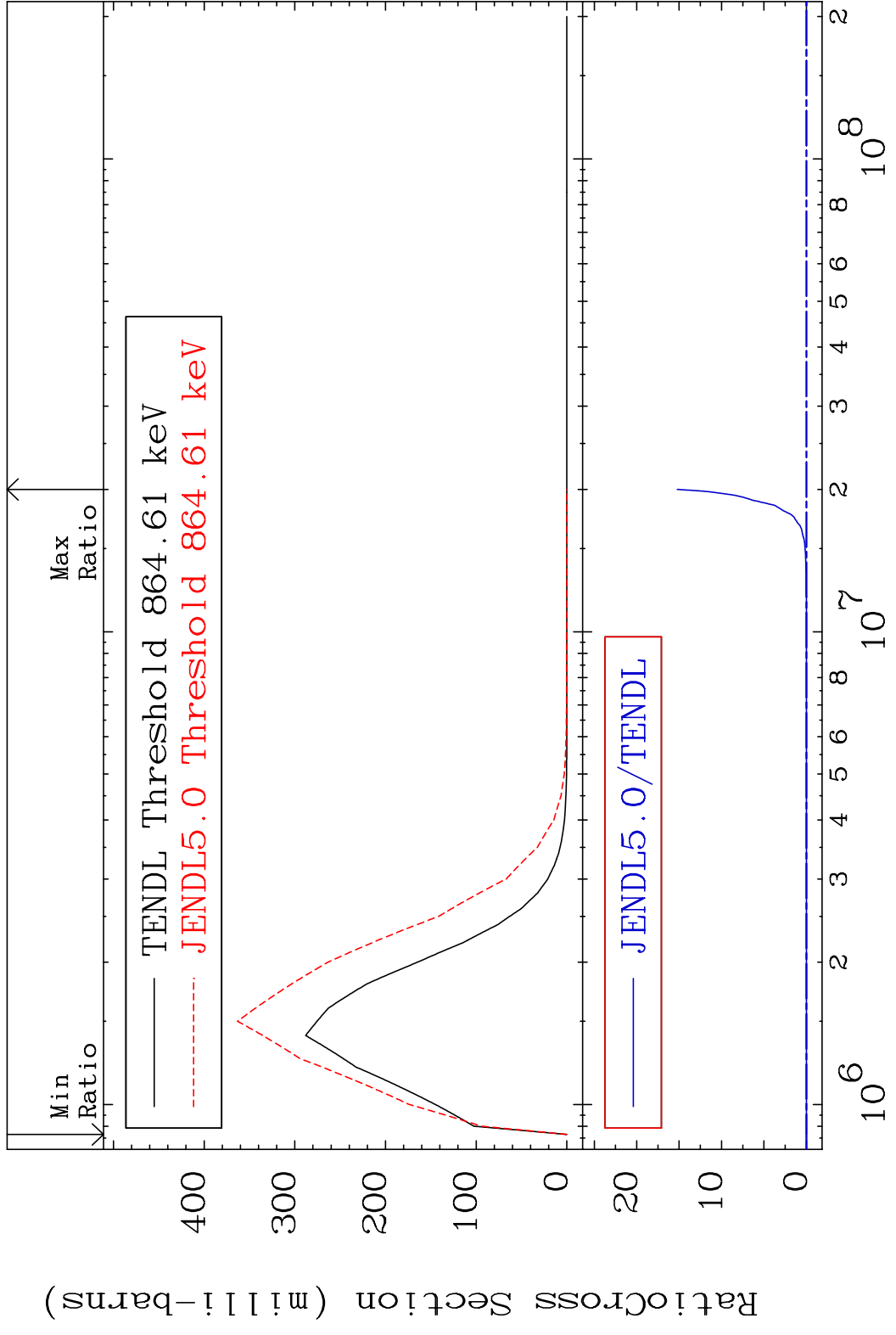


MAT 6837 MT= 54 (n, n') Level 68-Er-166
 Cross Section -100.0 To 185.4 %

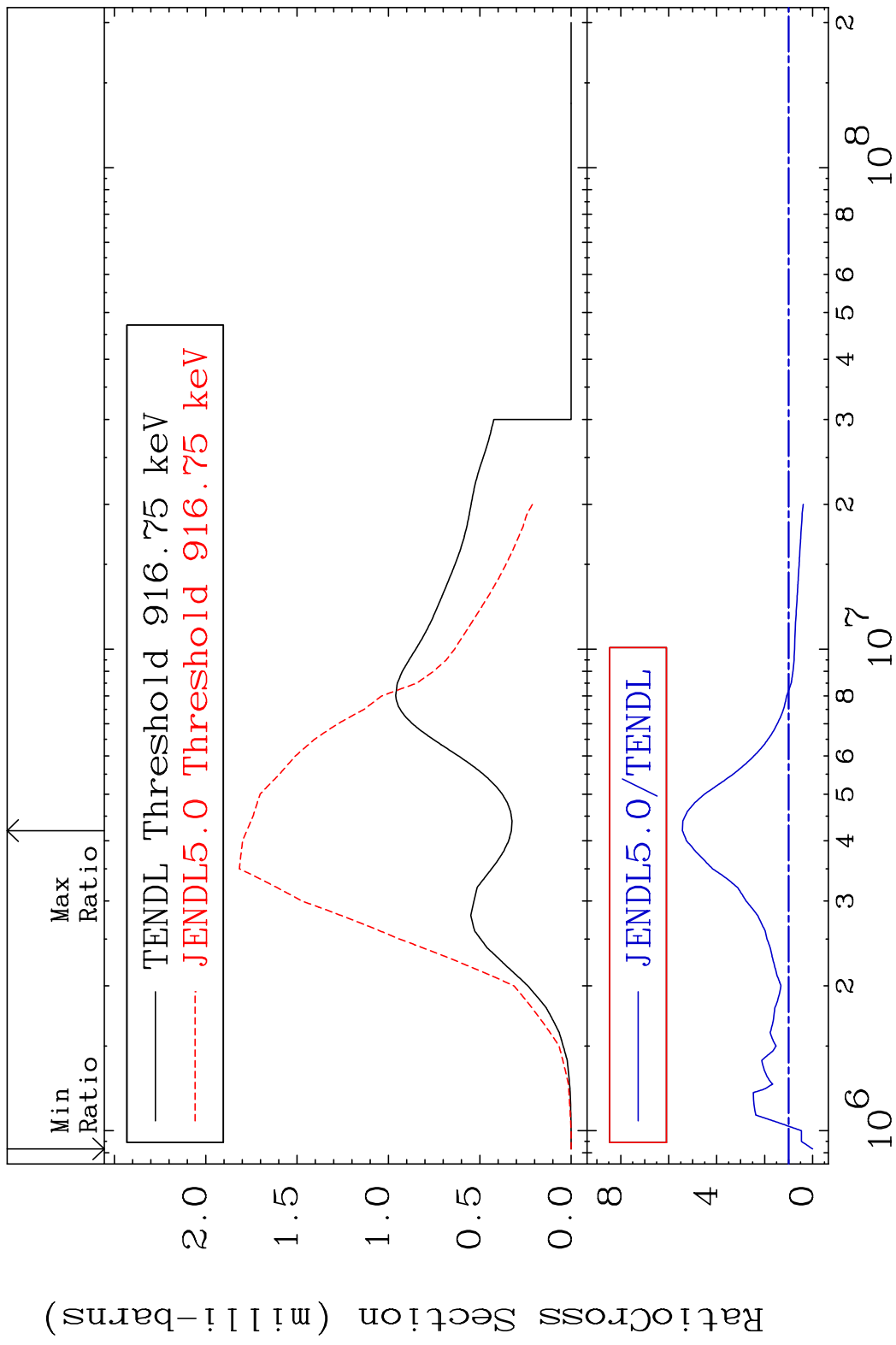


12 Incident Energy (eV) 68-Er-166

MAT 6837 MT= 55 (n, n') Level 68-Er-166
 Cross Section -100.0 To 9999. %



MAT 6837 MT= 56 (n, n') Level 68-Er-166
 Cross Section -100.0 To 443.1 %



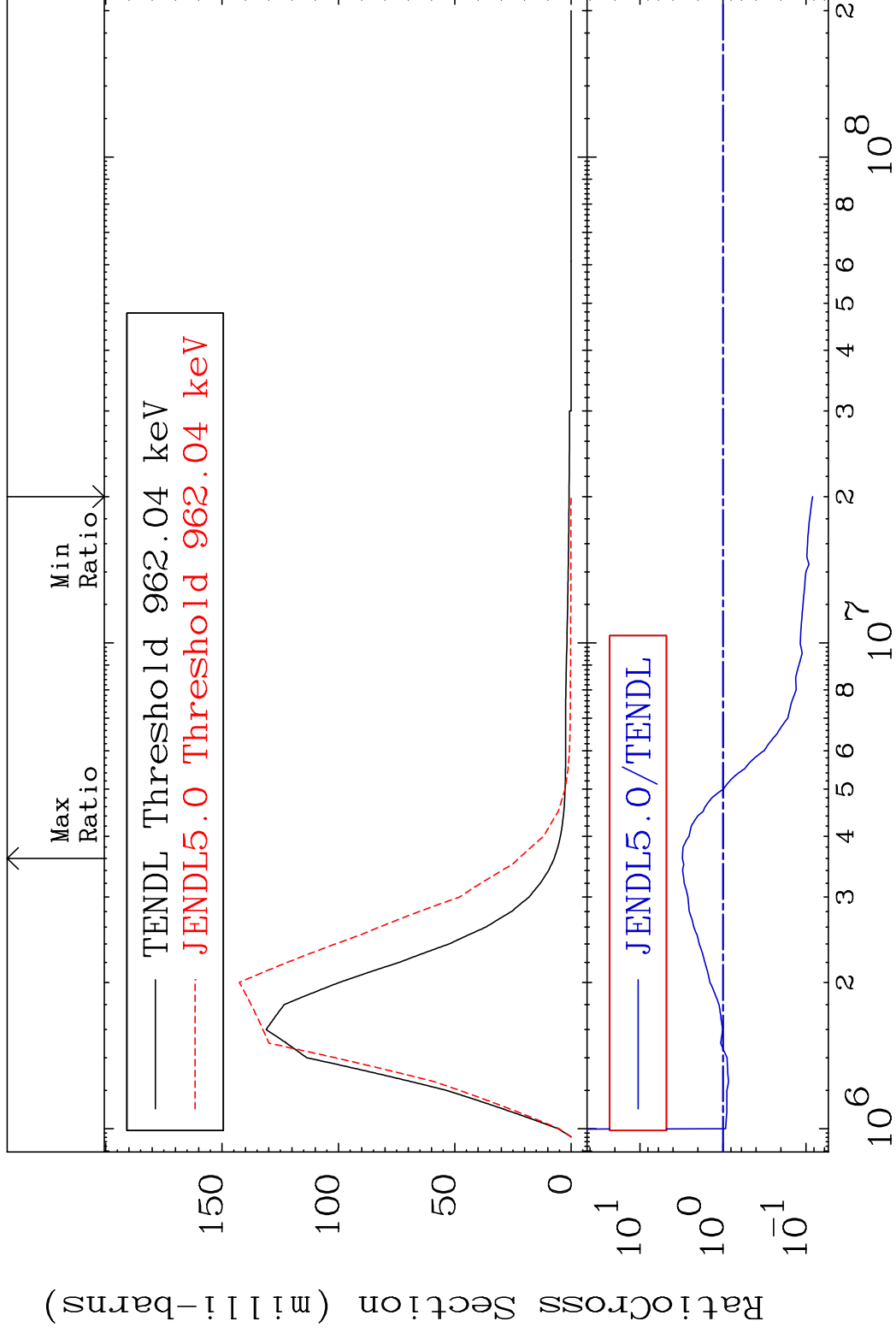
14 Incident Energy (eV) 68-Er-166

MAT 6837

MT= 57 (n, n') Level

68-Er-166

Cross Section -91.67 To 208.6 %

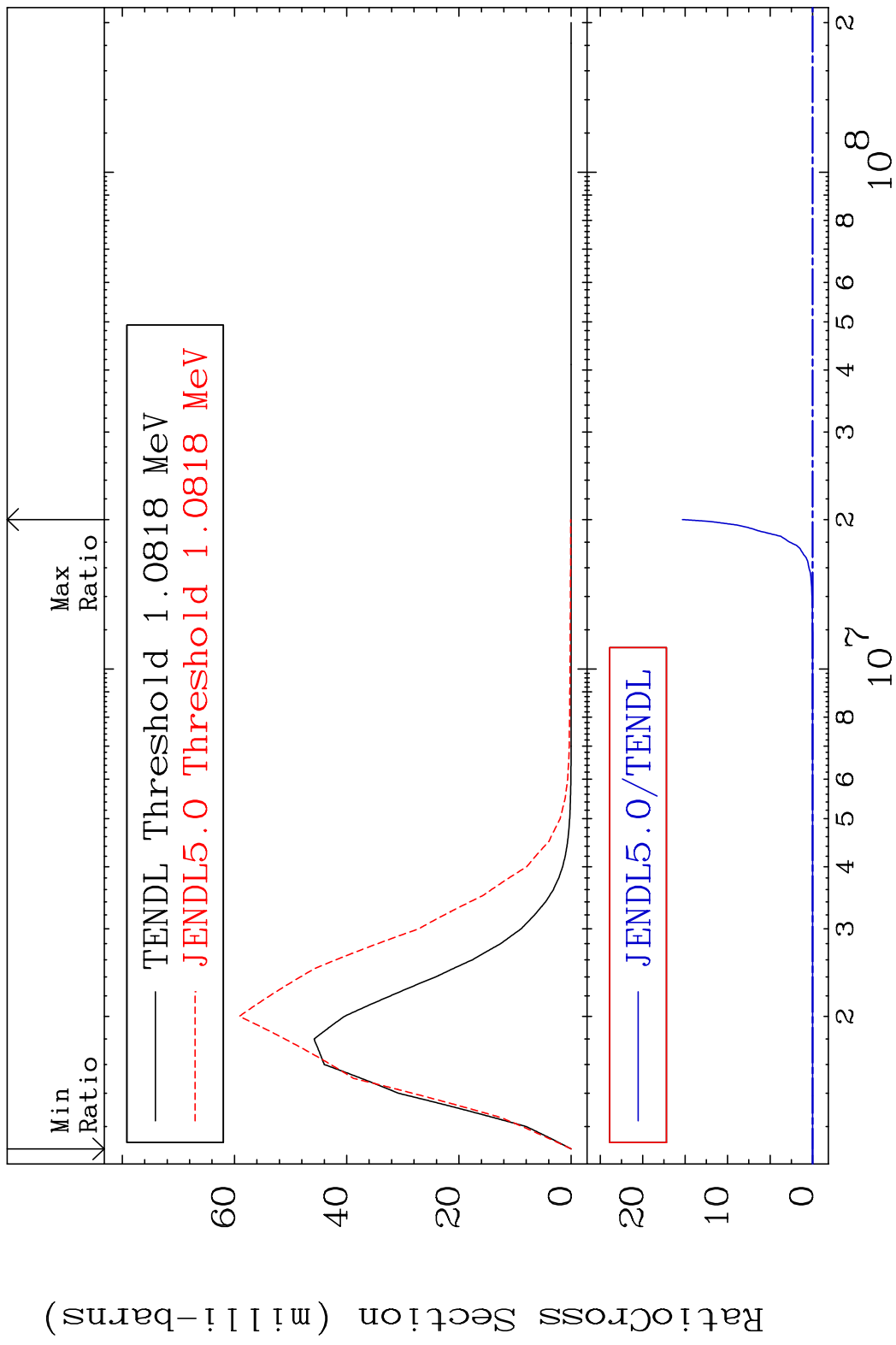


15

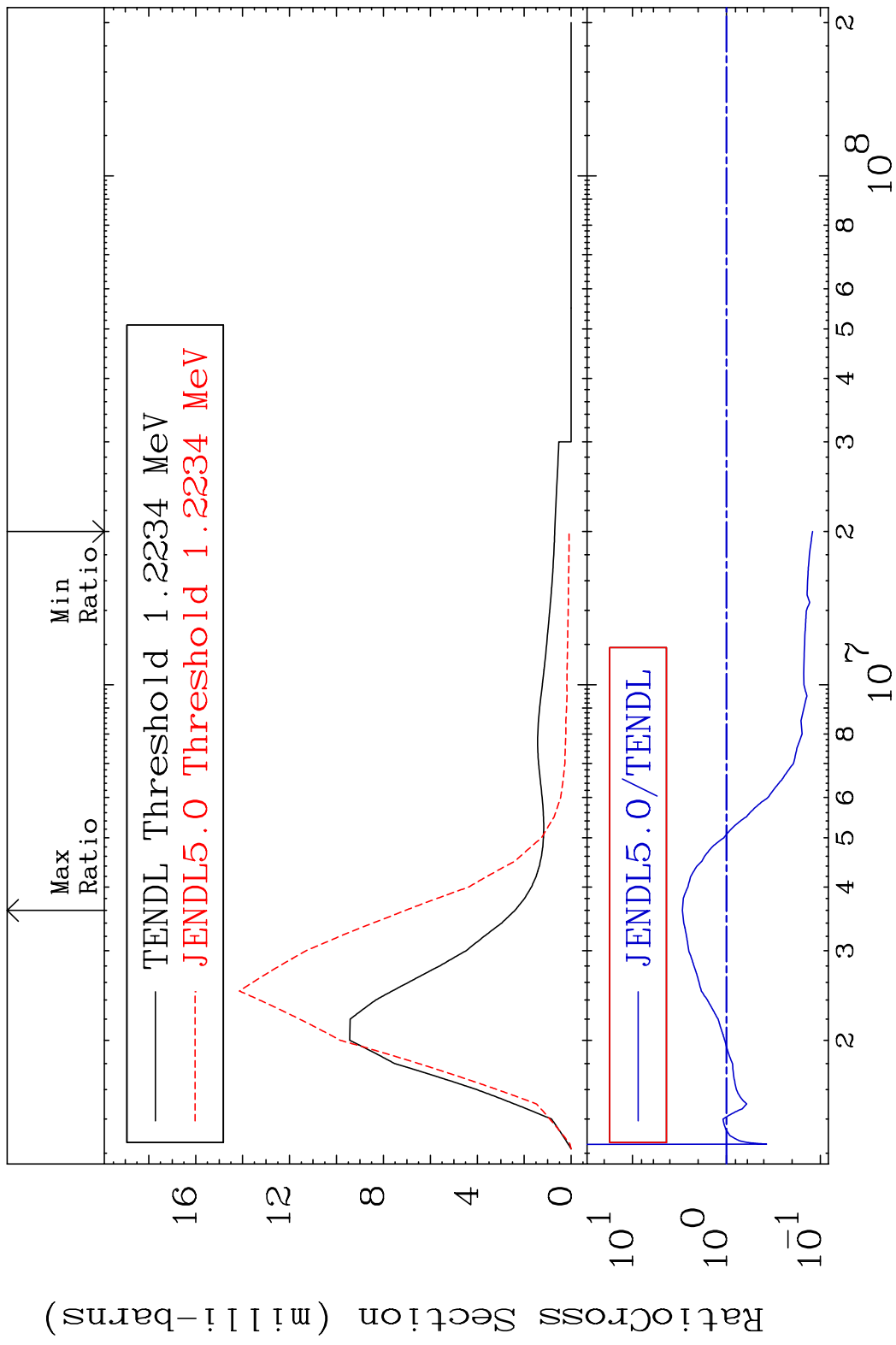
Incident Energy (eV)

68-Er-166

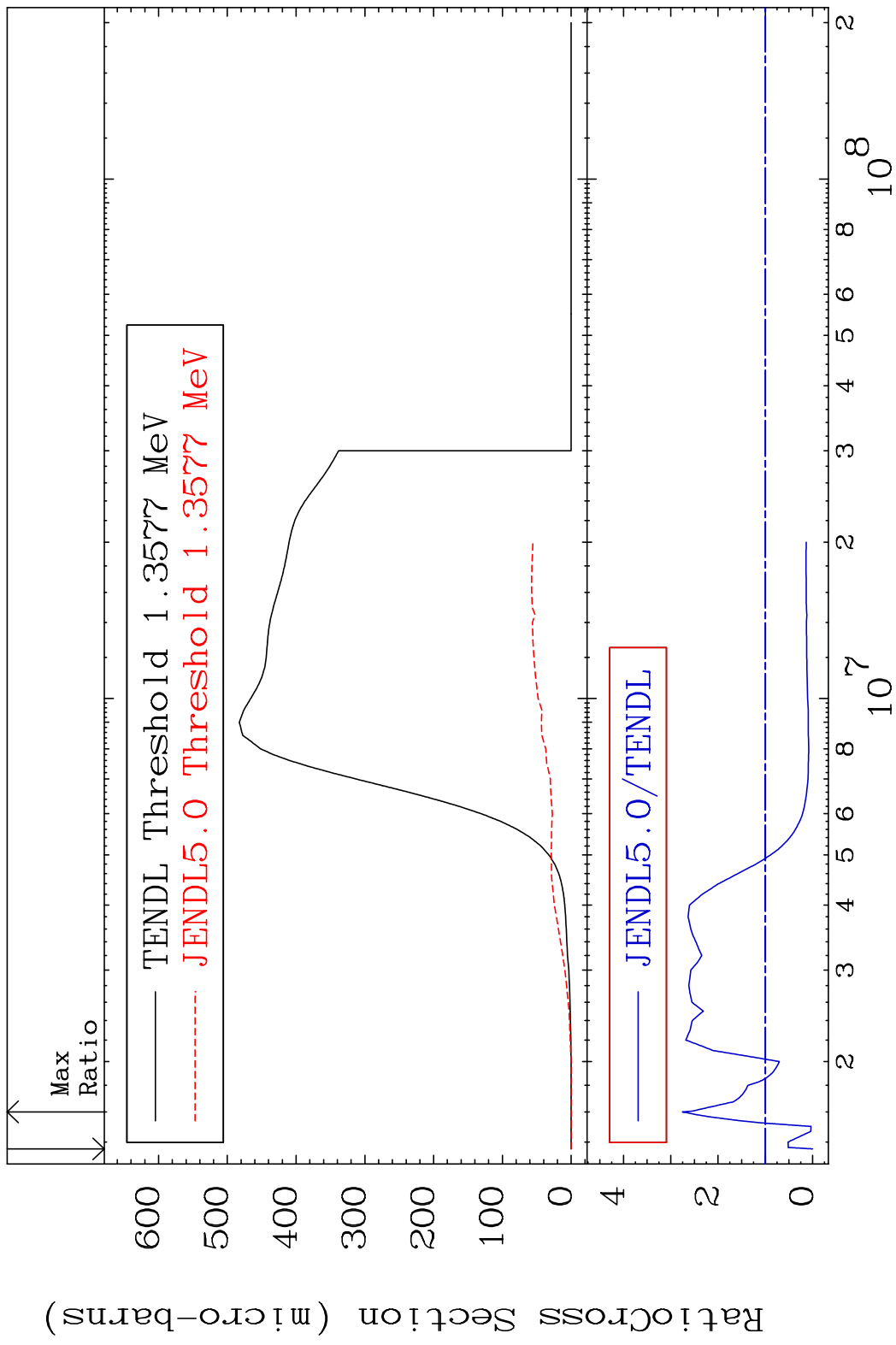
MAT 6837 MT= 58 (n, n') Level 68-Er-166
 Cross Section -100.0 To 9999. %



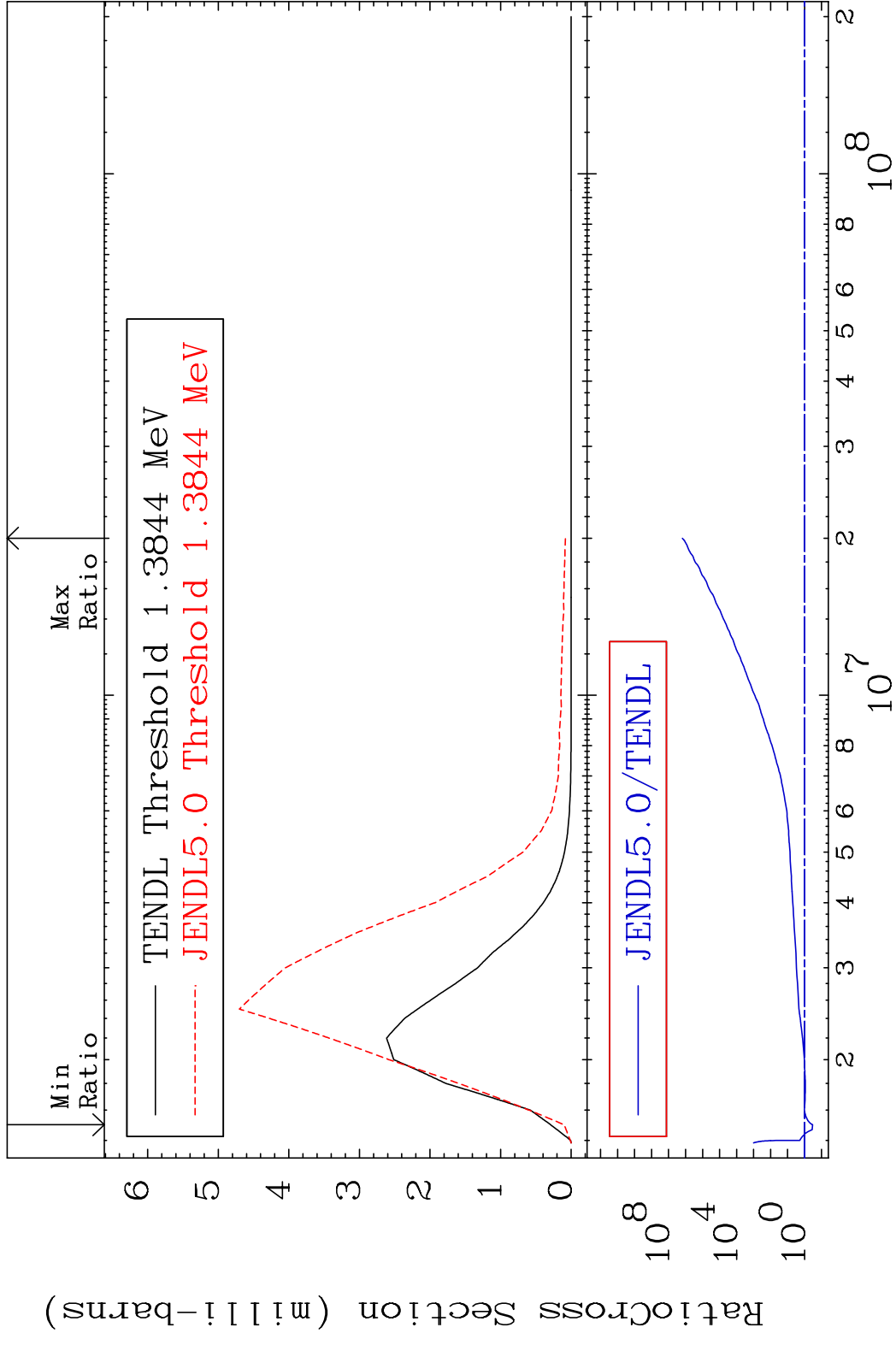
MAT 6837 MT= 59 (n, n') Level 68-Er-166
 Cross Section -87.87 To 194.9 %



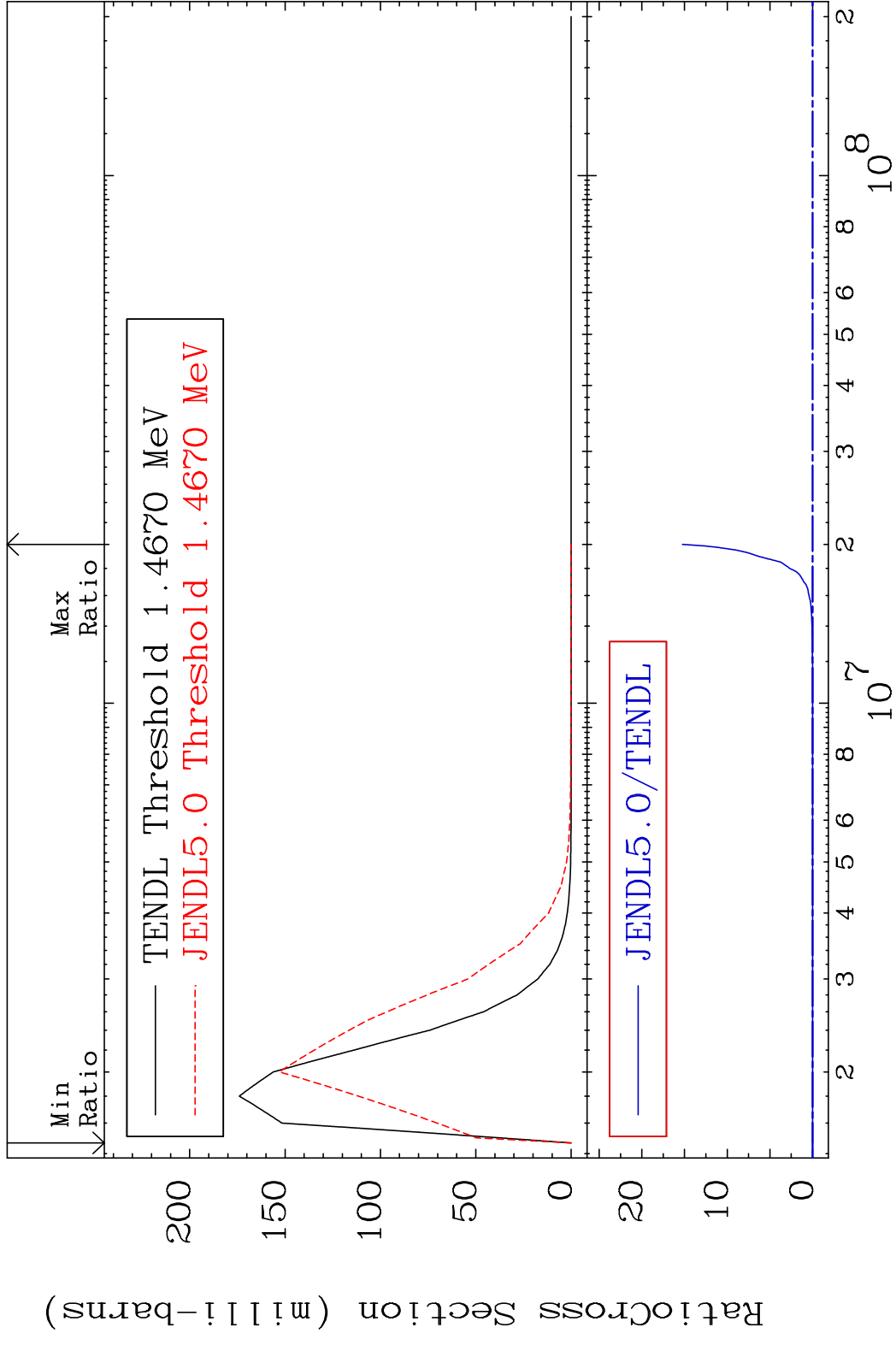
MAT 6837 MT= 60 (n, n') Level 68-Er-166
 Cross Section -100.0 To 175.5 %



MAT 6837 MT= 61 (n, n') Level 68-Er-166
 Cross Section -65.99 To 9999. %

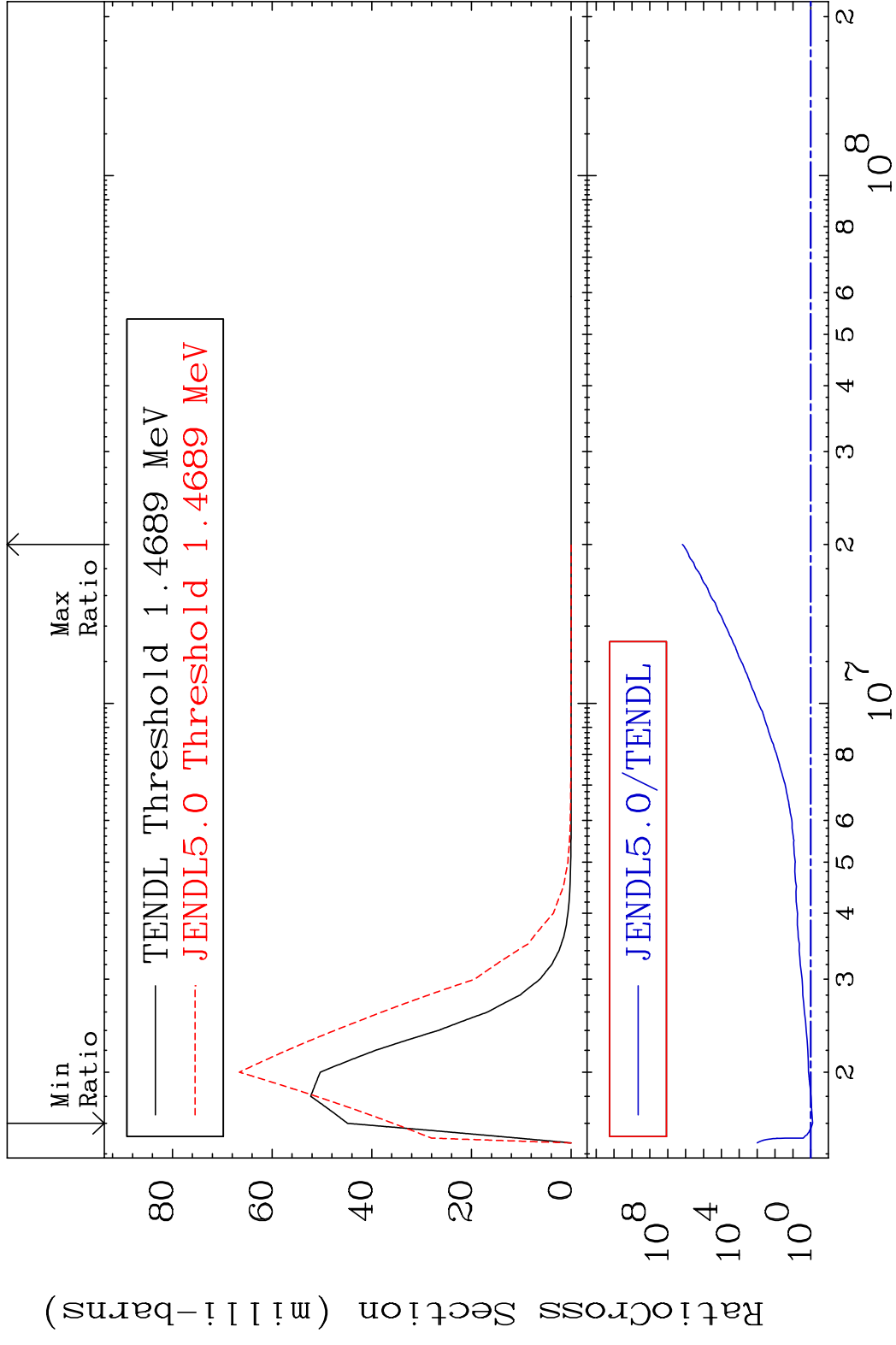


MAT 6837 MT= 62 (n, n') Level 68-Er-166
 Cross Section -100.0 To 9999. %

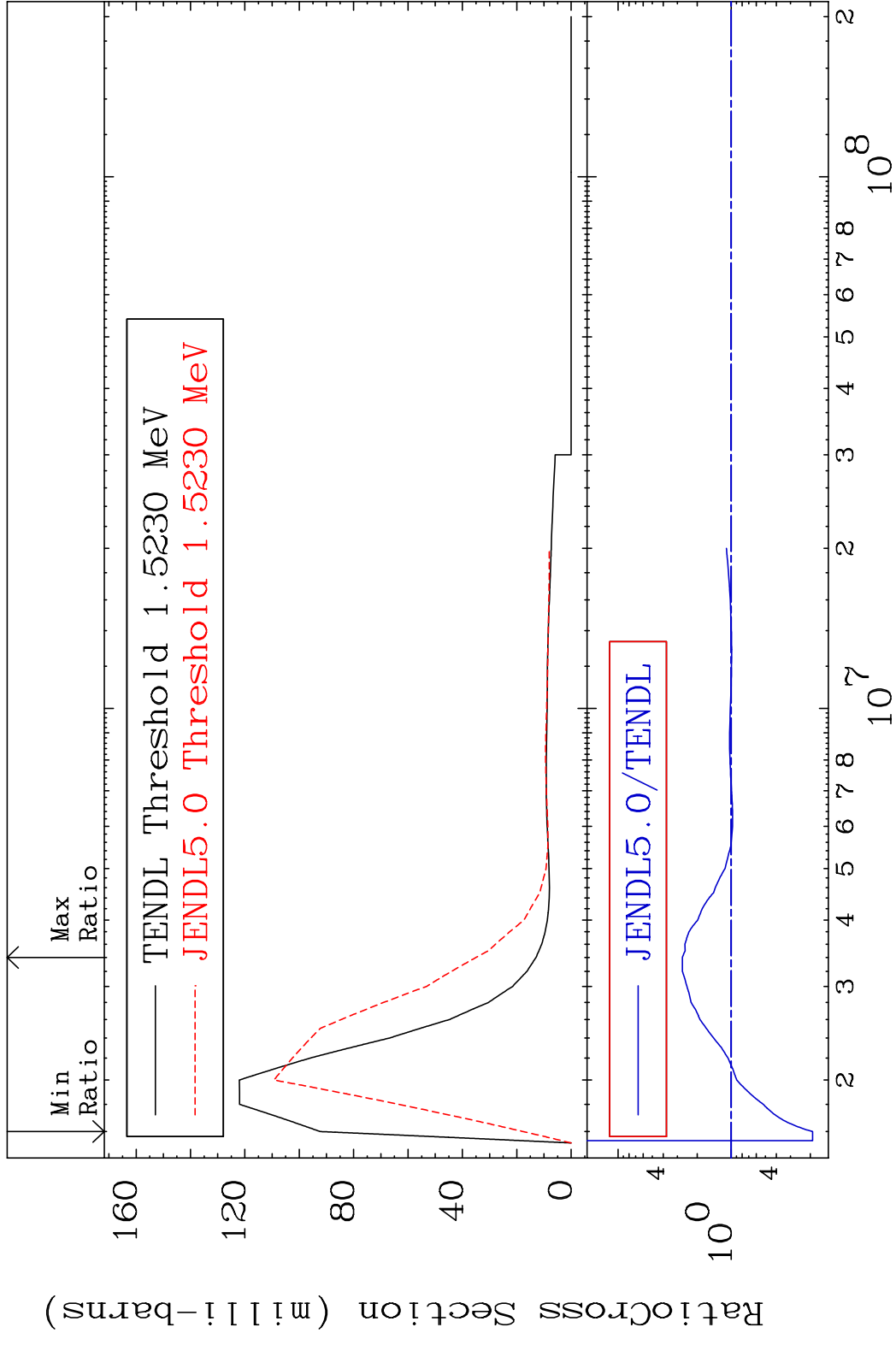


20 Incident Energy (eV) 68-Er-166

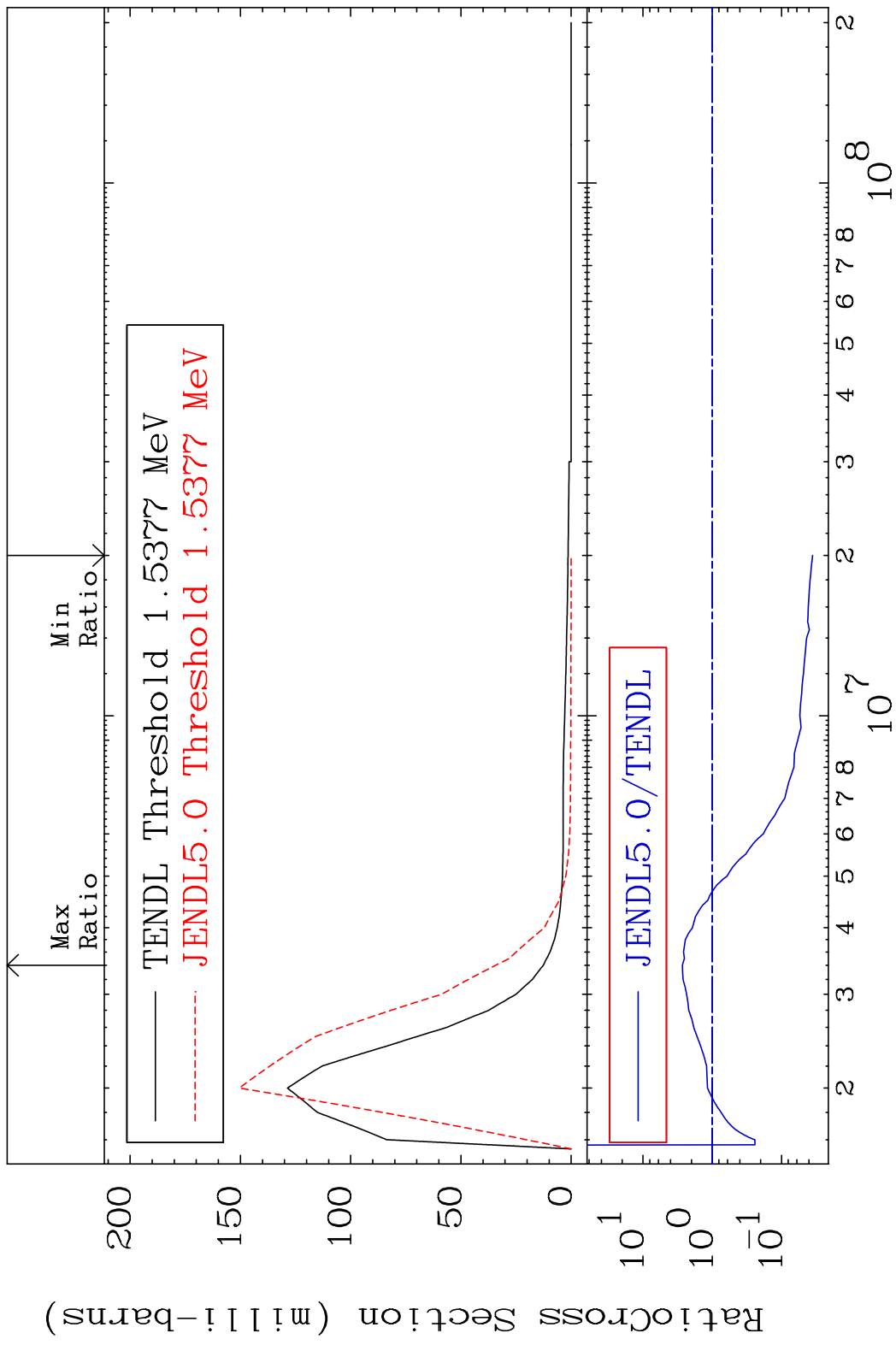
MAT 6837 MT= 63 (n, n') Level 68-Er-166
 Cross Section -20.42 To 9999. %



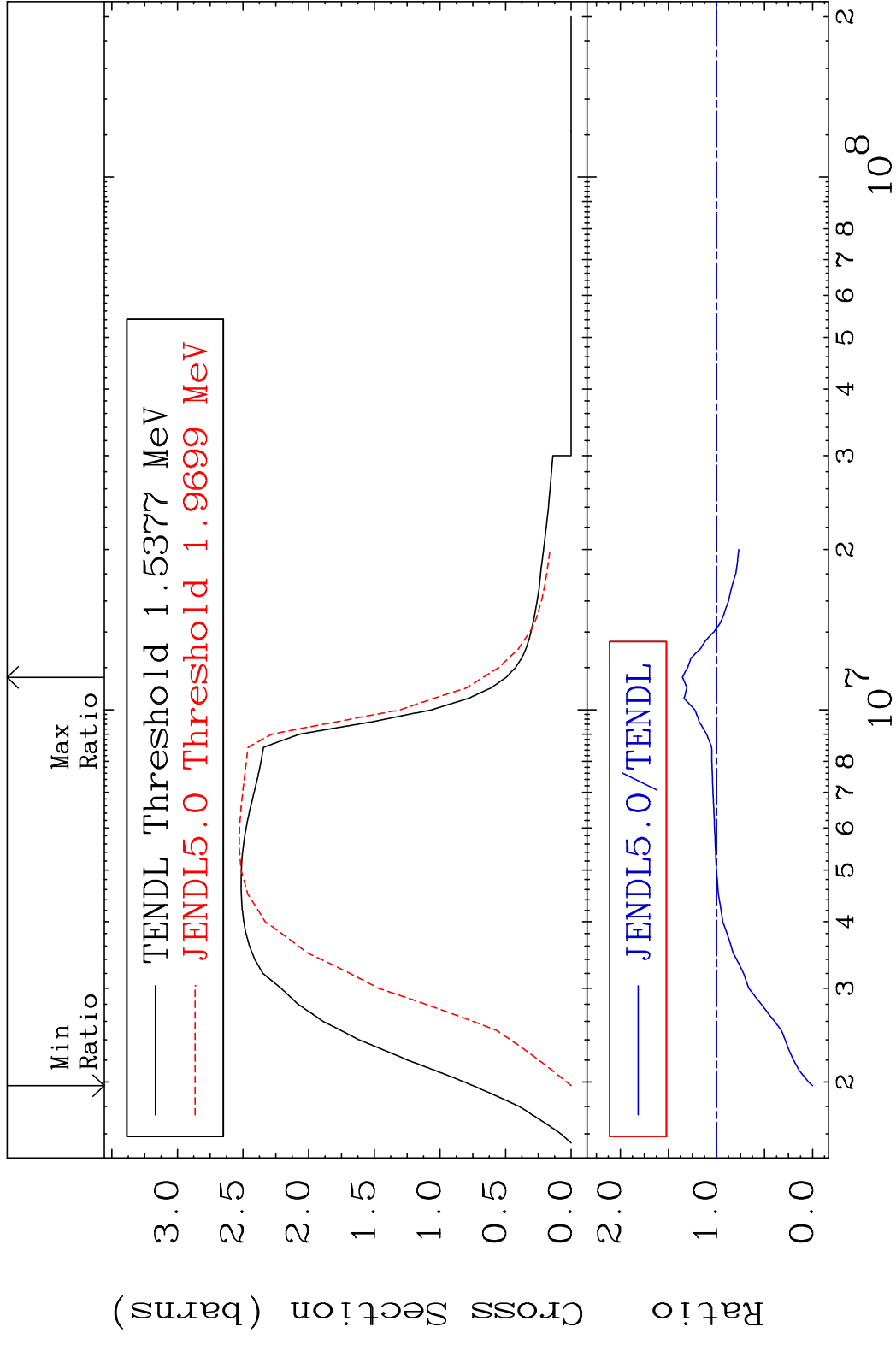
MAT 6837 MT= 64 (n, n') Level 68-Er-166
 Cross Section -80.88 To 170.7 %



MAT 6837 MT= 65 (n, n') Level 68-Er-166
 Cross Section -96.44 To 170.4 %



MAT 6837 (n,n') Continuum 68-Er-166
 Cross Section -100.0 To 35.50 %

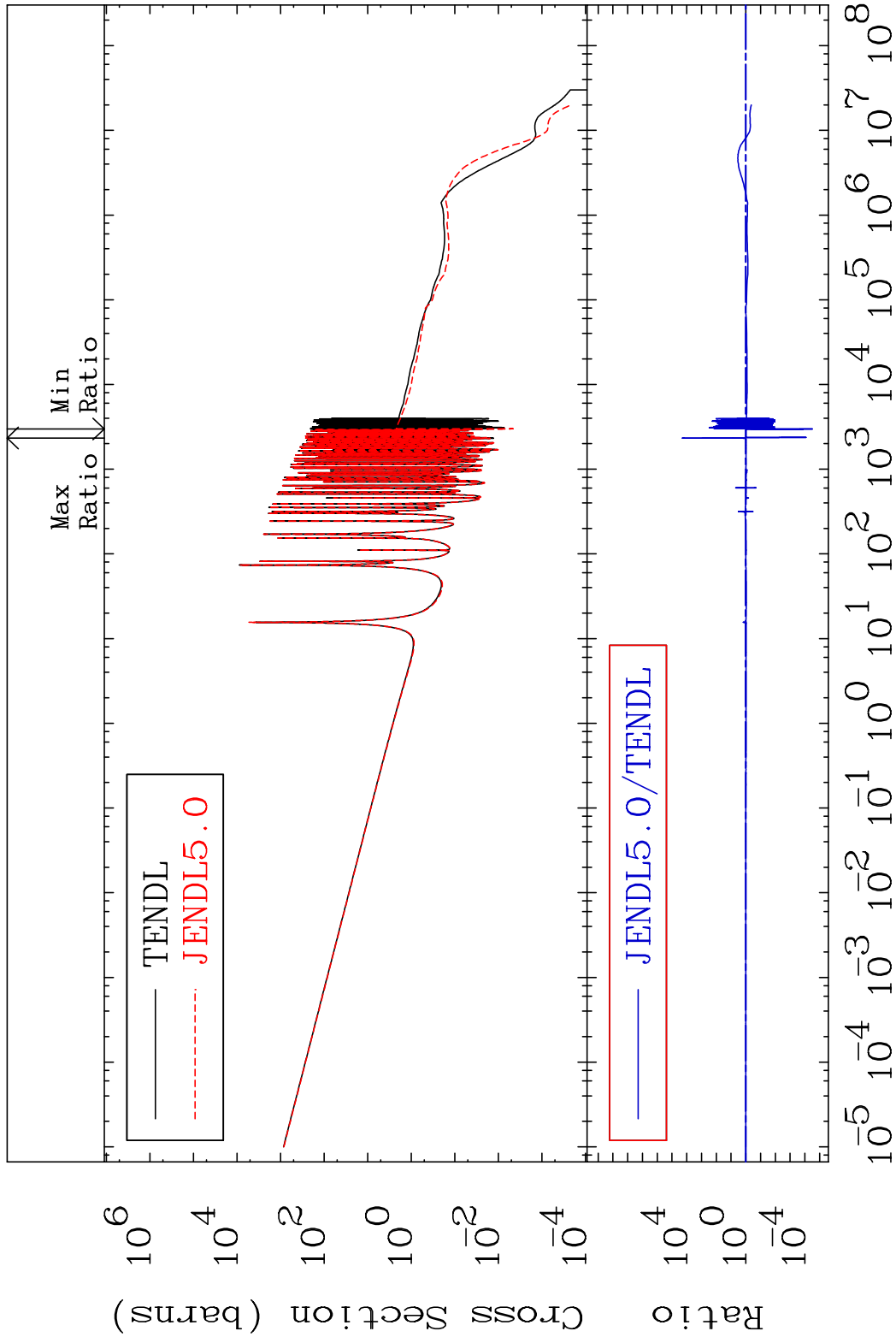


MAT 6837

(n, γ)

68-Er-166

Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

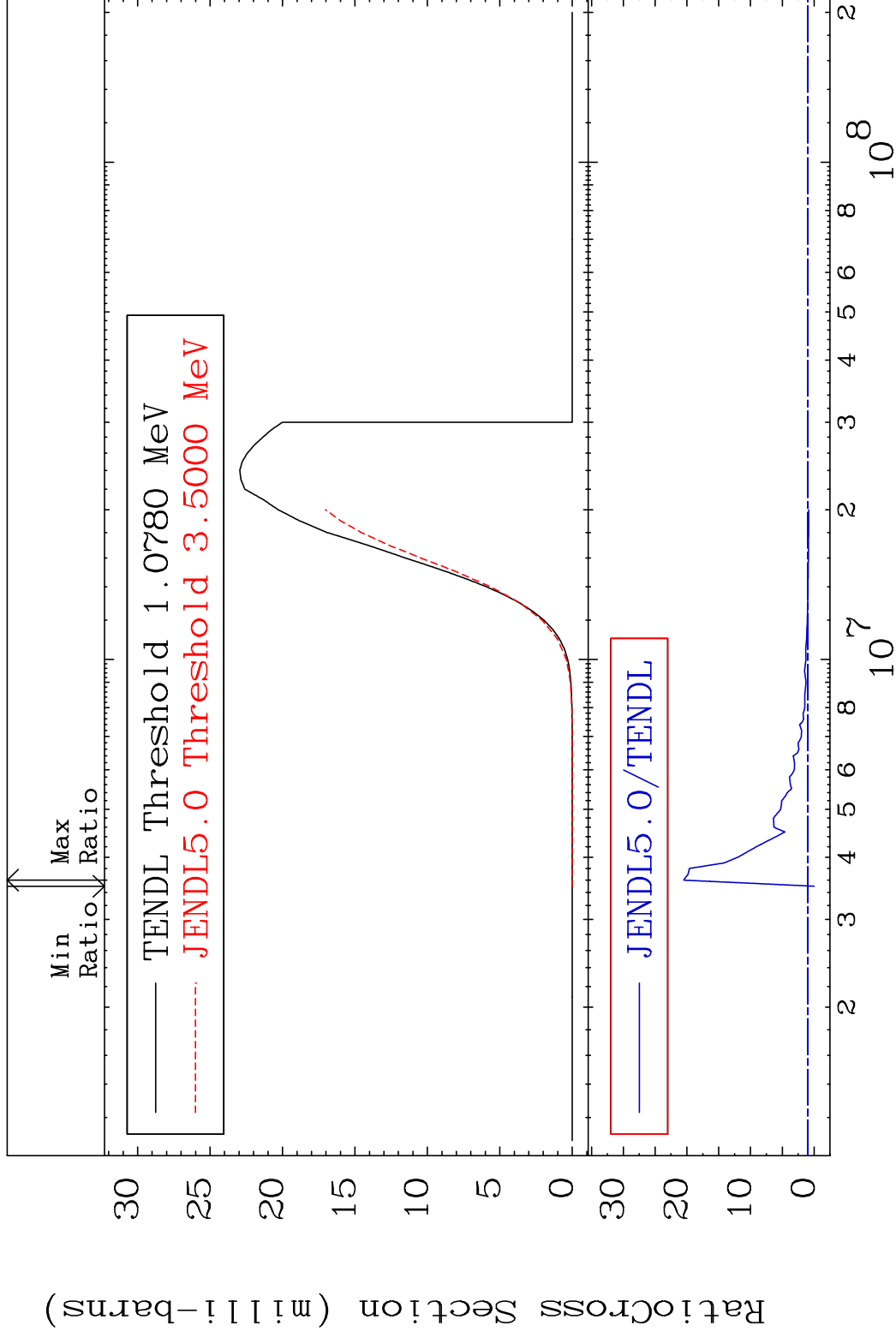
68-Er-166

MAT 6837

(n,p)

68-Er-166

Cross Section -100.0 To 1951. %



26

Incident Energy (eV)

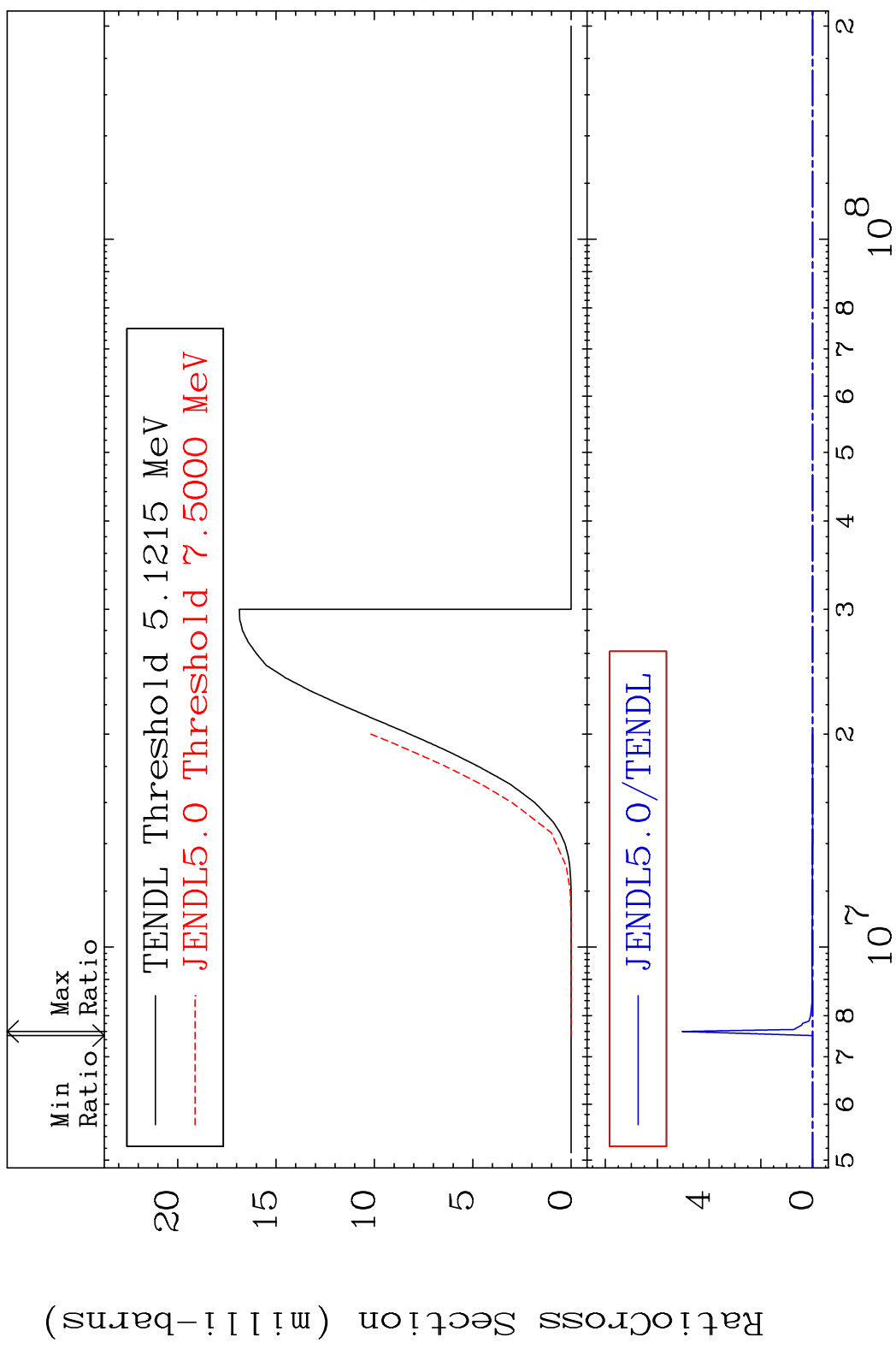
68-Er-166

MAT 6837

(n,d)

68-Er-166

Cross Section -100.0 To 9999. %

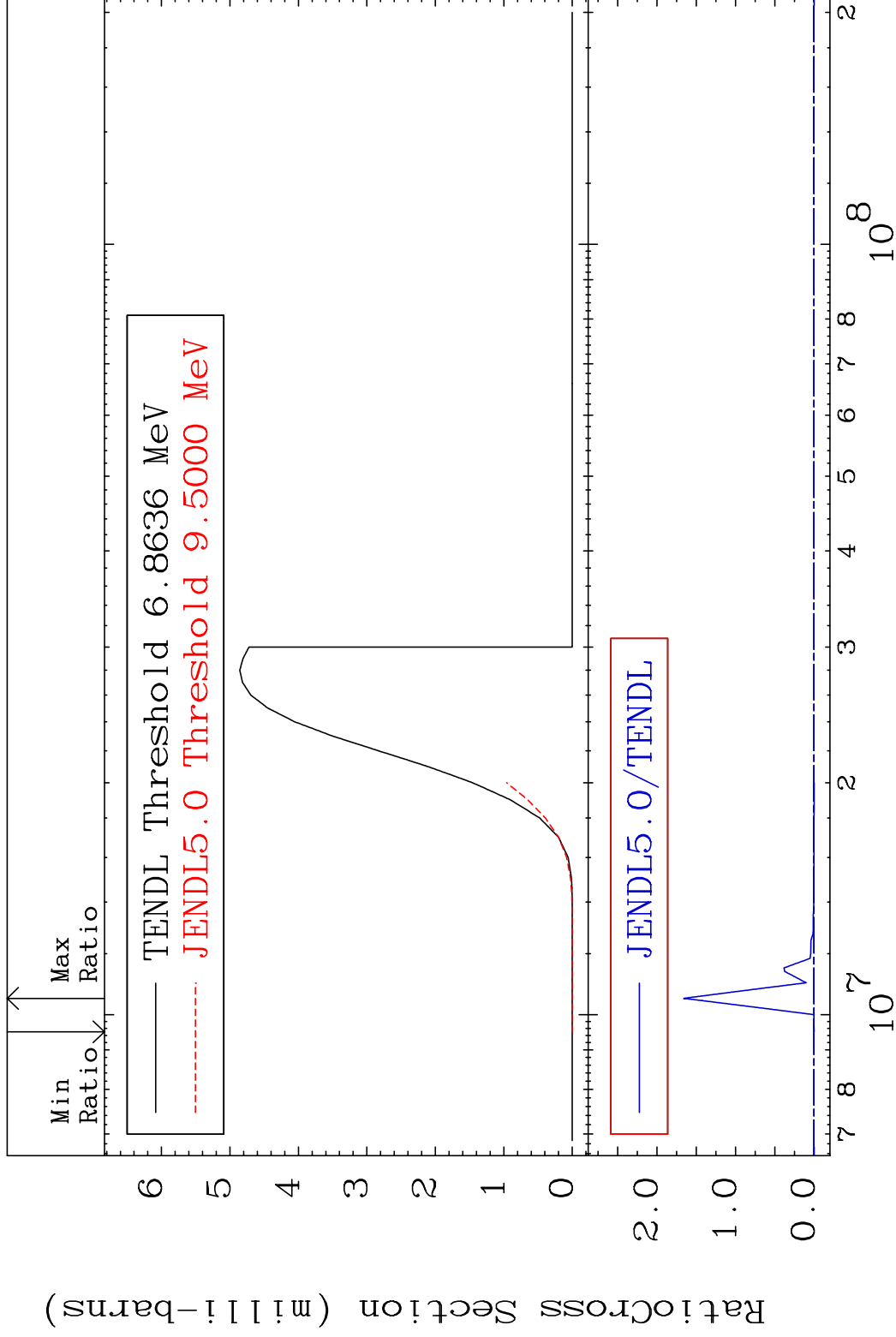


MAT 6837

(n, t)

68-Er-166

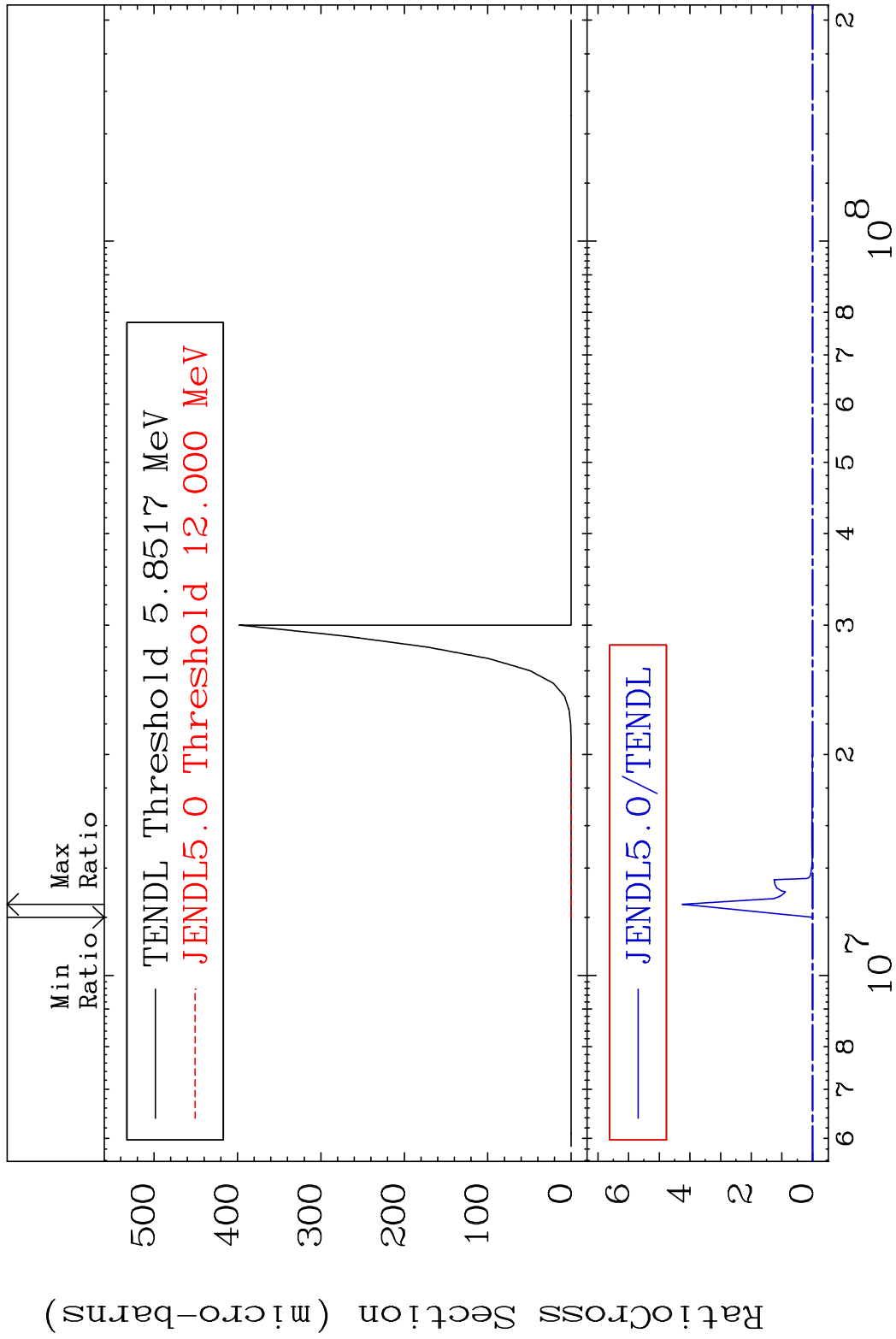
Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

68-Er-166

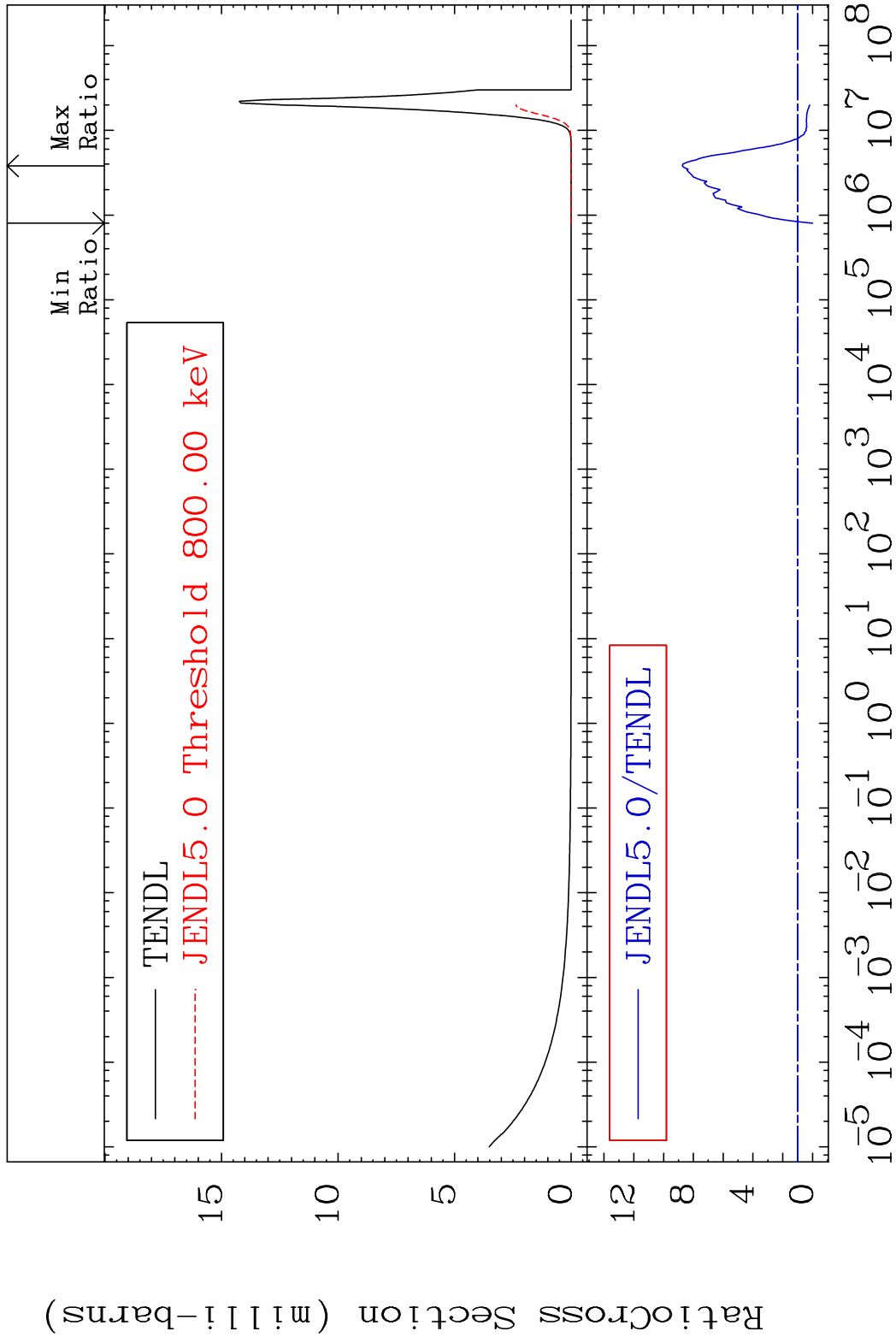


MAT 6837

(n, α)

68-Er-166

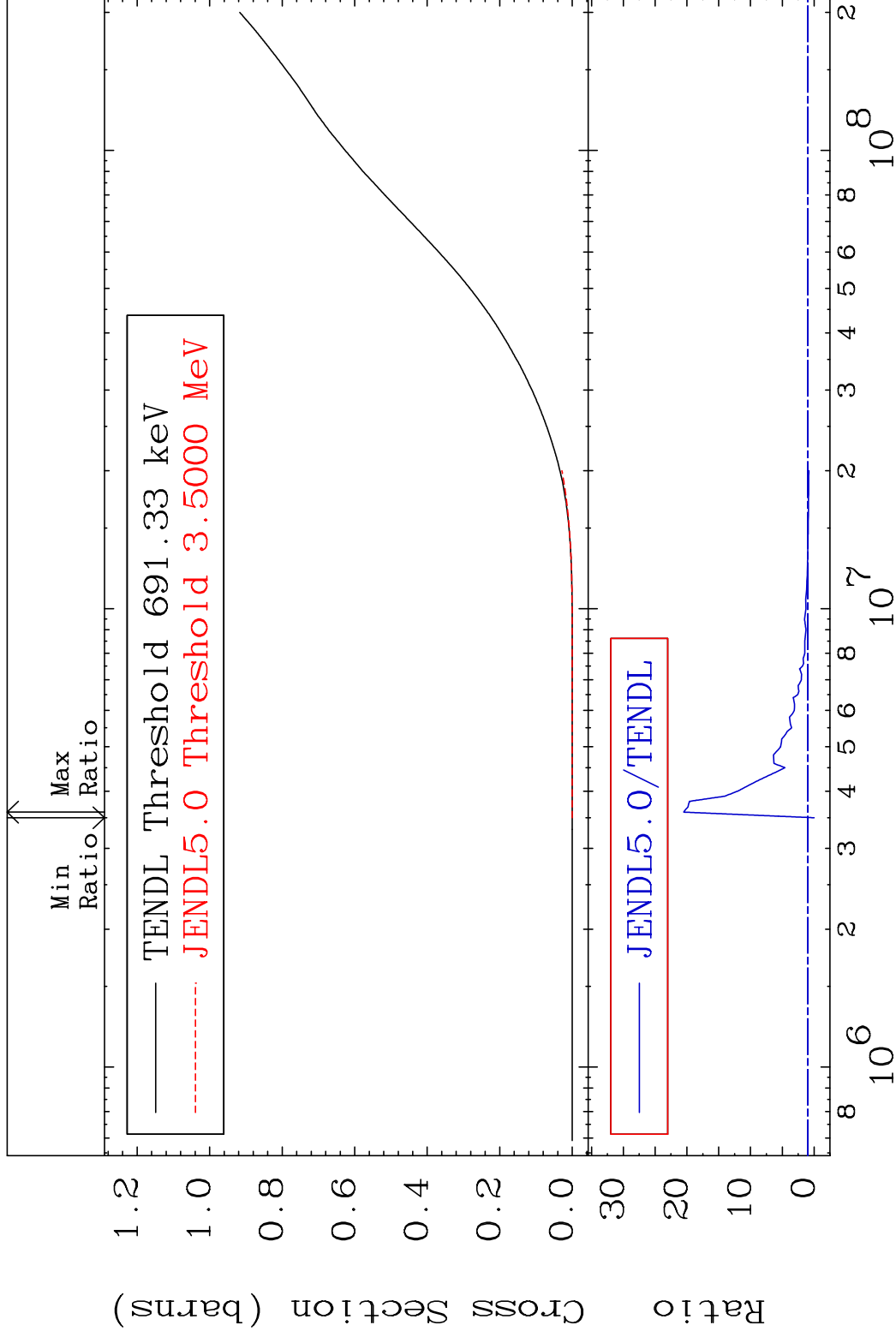
Cross Section -100.0 To 774.0 %

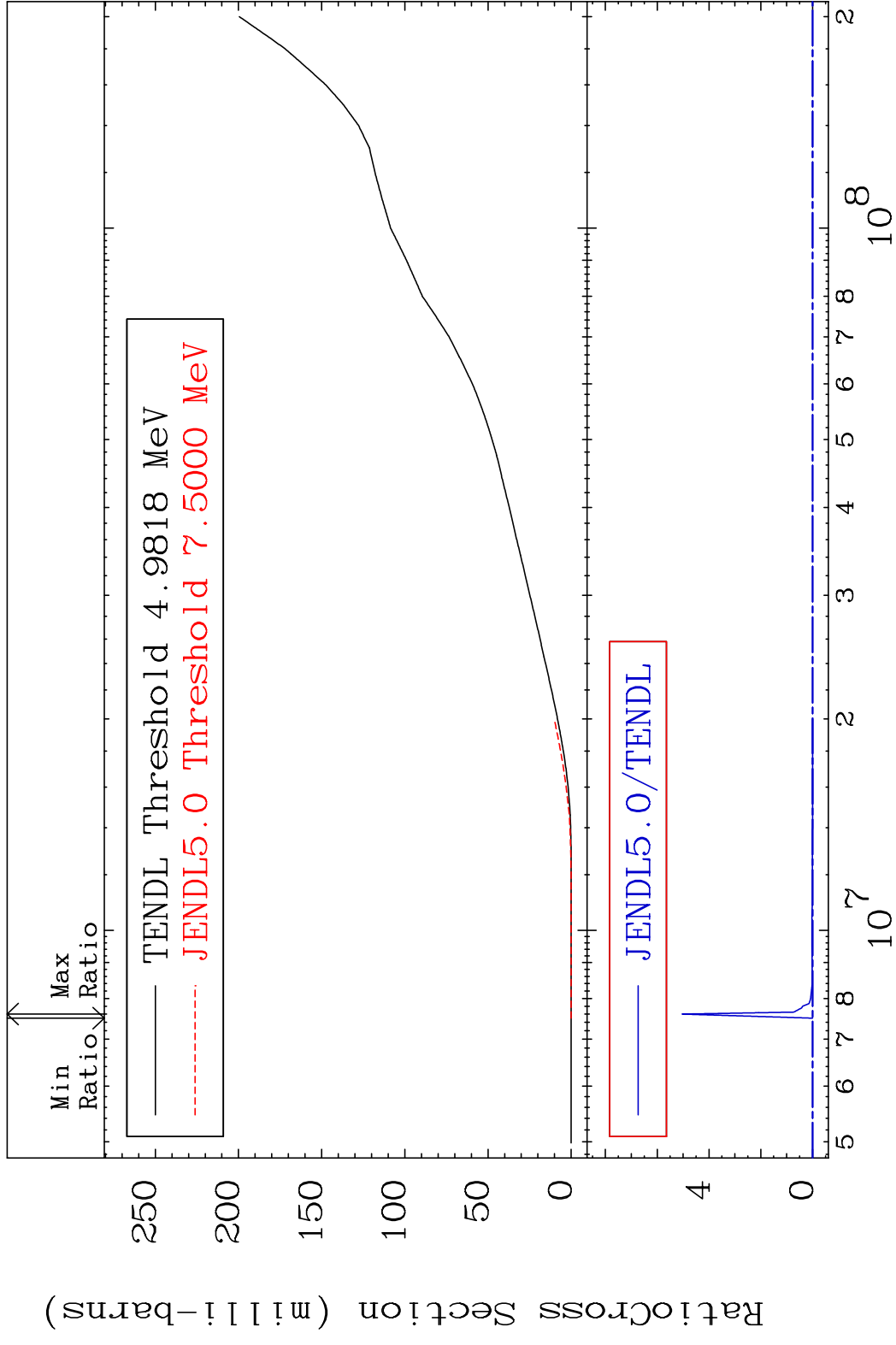


30

Incident Energy (eV)

68-Er-166



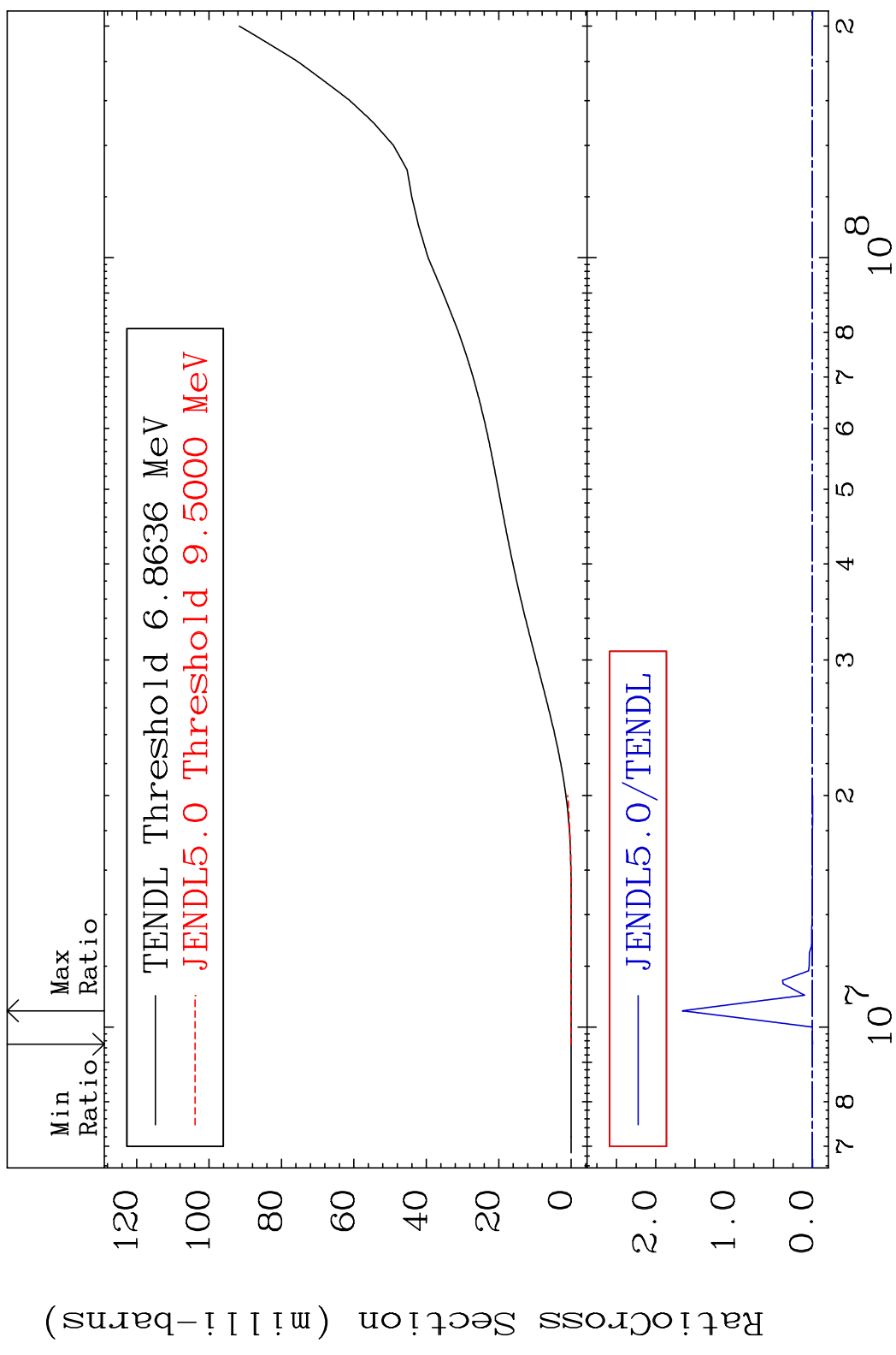


MAT 6837

Tritium Production

68-Er-166

Cross Section -100.0 To 9999. %

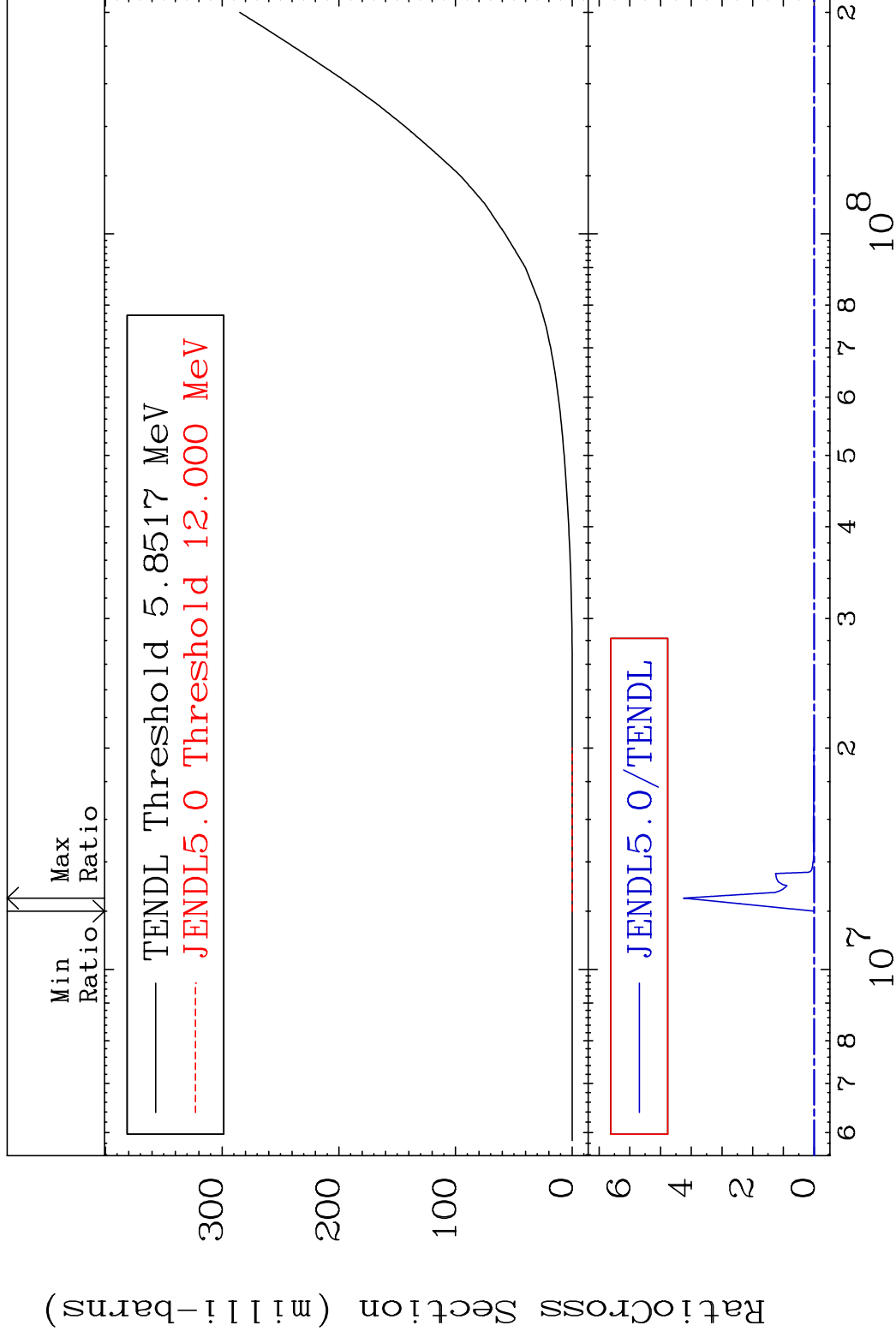


MAT 6837

He-3 Production

68-Er-166

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

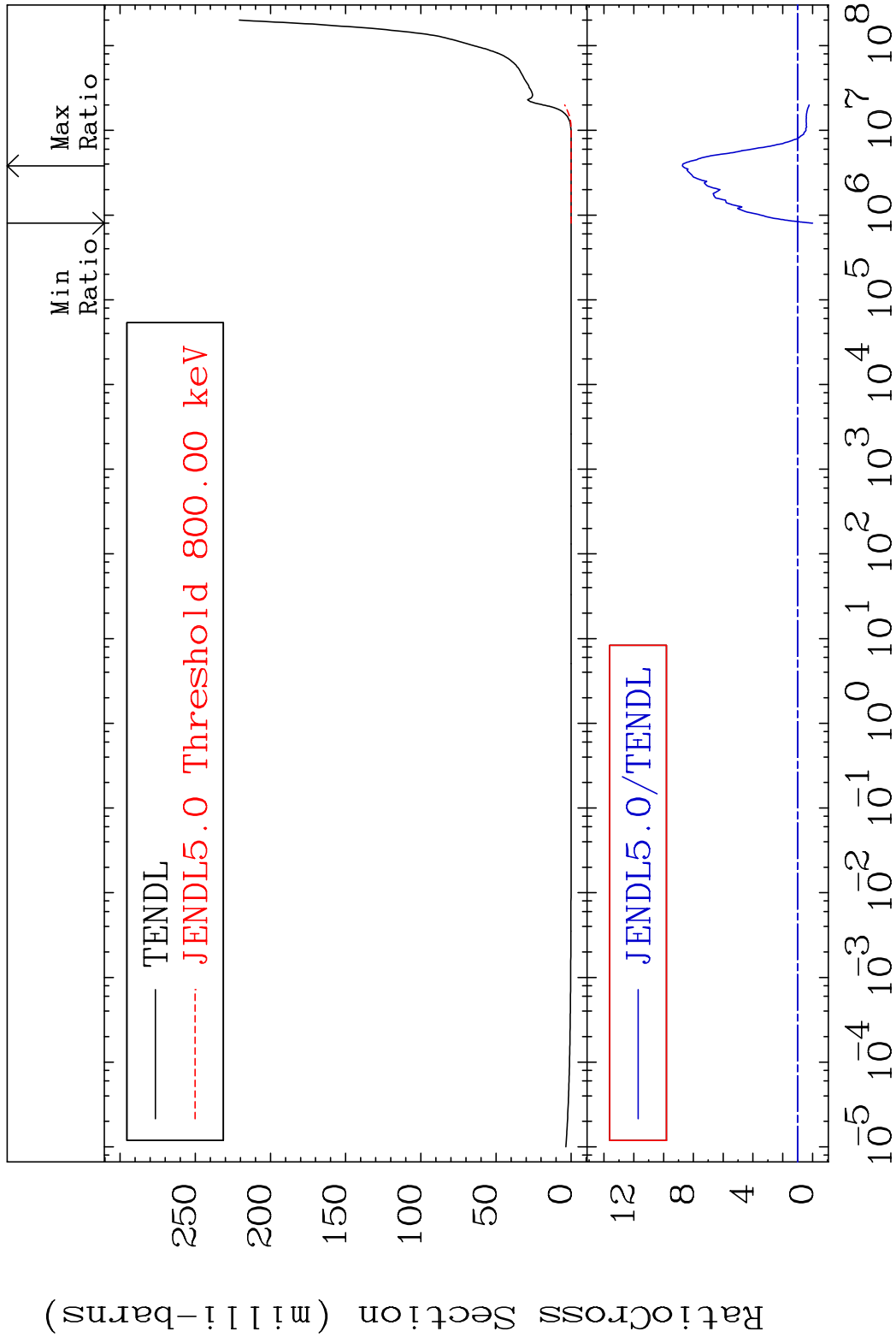
68-Er-166

MAT 6837

He-4 Production

68-Er-166

Cross Section -100.0 To 774.0 %

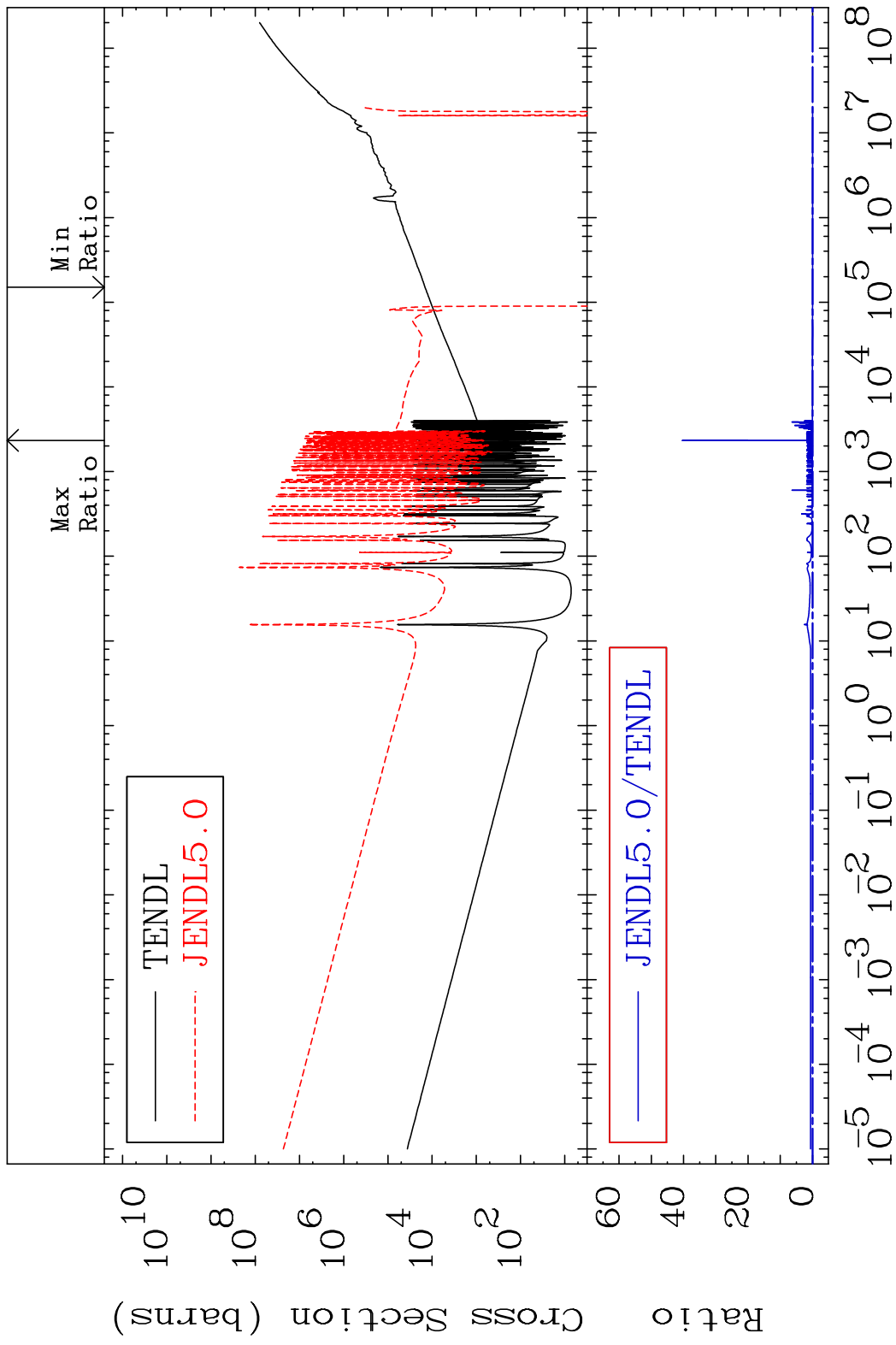


35

Incident Energy (eV)

68-Er-166

MAT 6837 Kerma total (eV-barns) 68-Er-166
 Cross Section -1738. To 9999. %



36 Incident Energy (eV) 68-Er-166

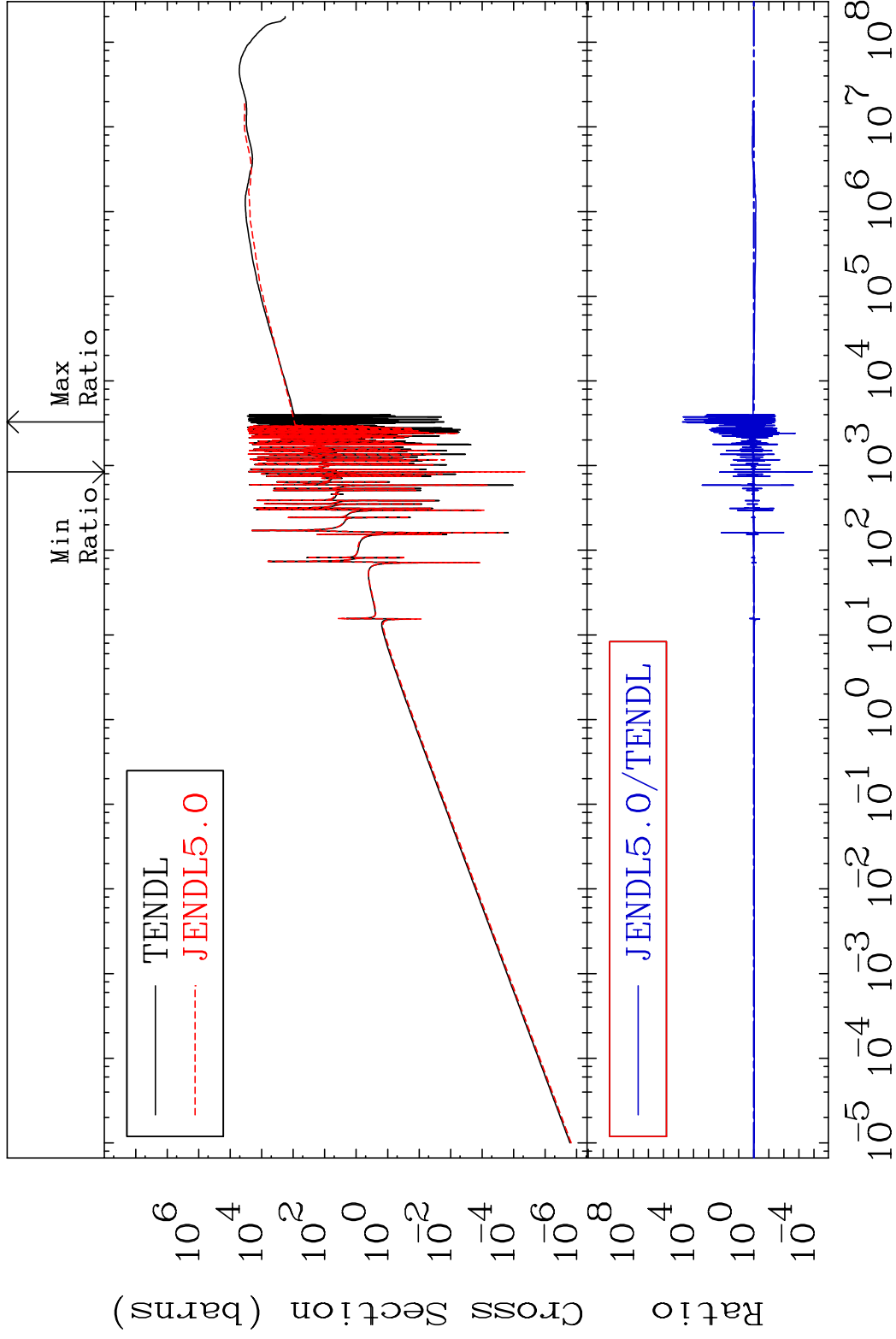
MAT 6837

Kerma elastic

68-Er-166

Cross Section

-99.99 To 9999. %

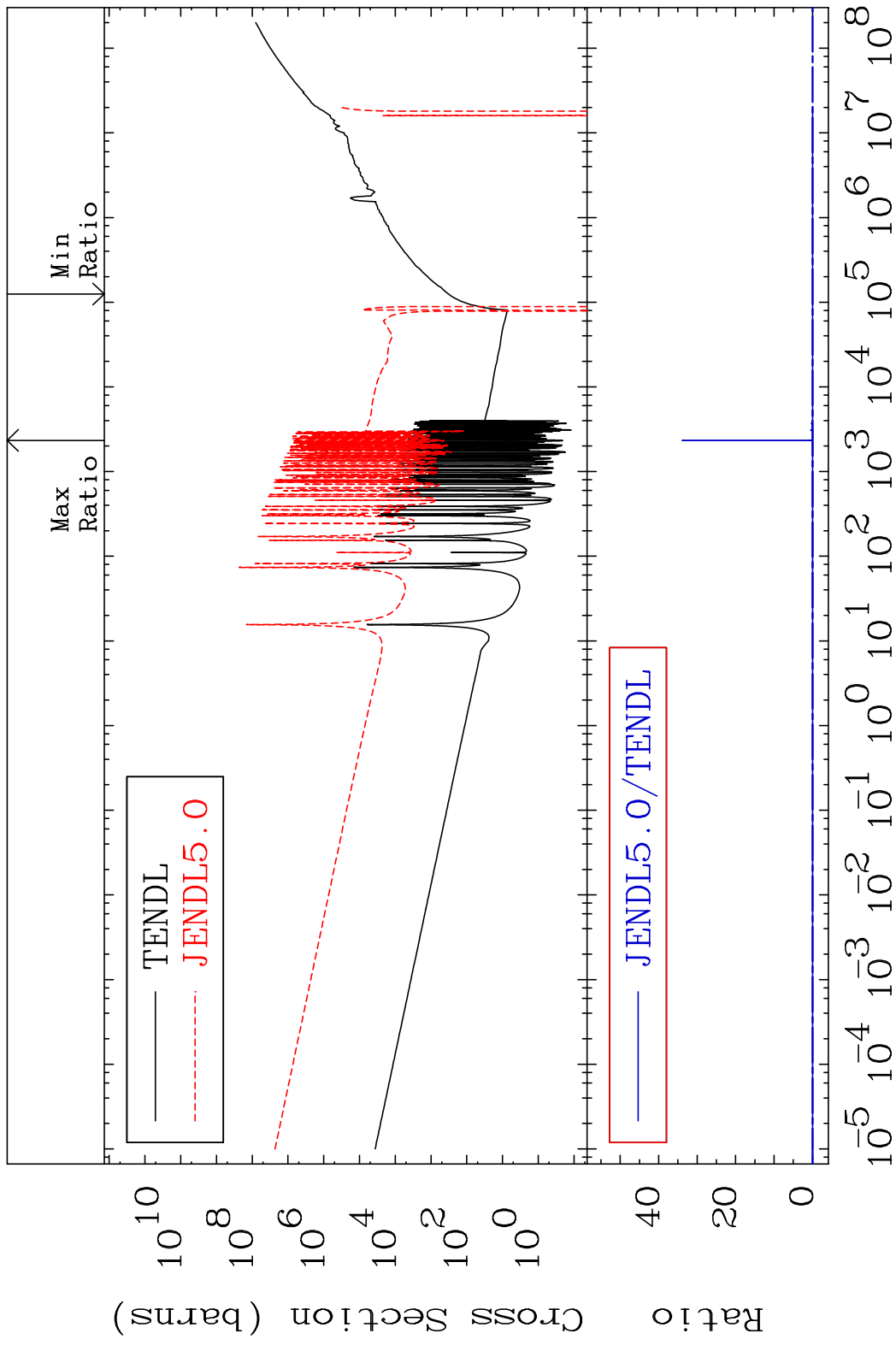


37

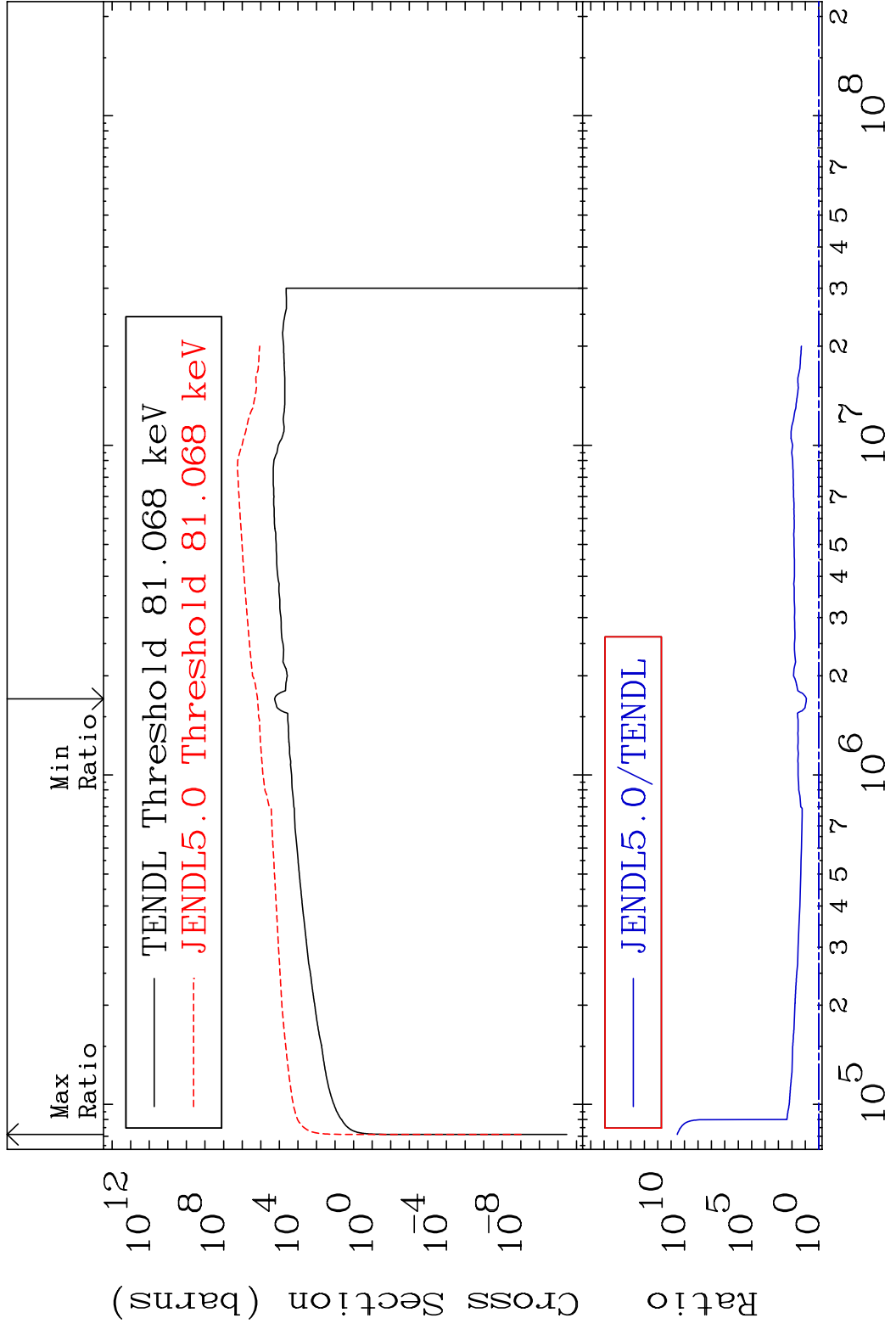
Incident Energy (eV)

68-Er-166

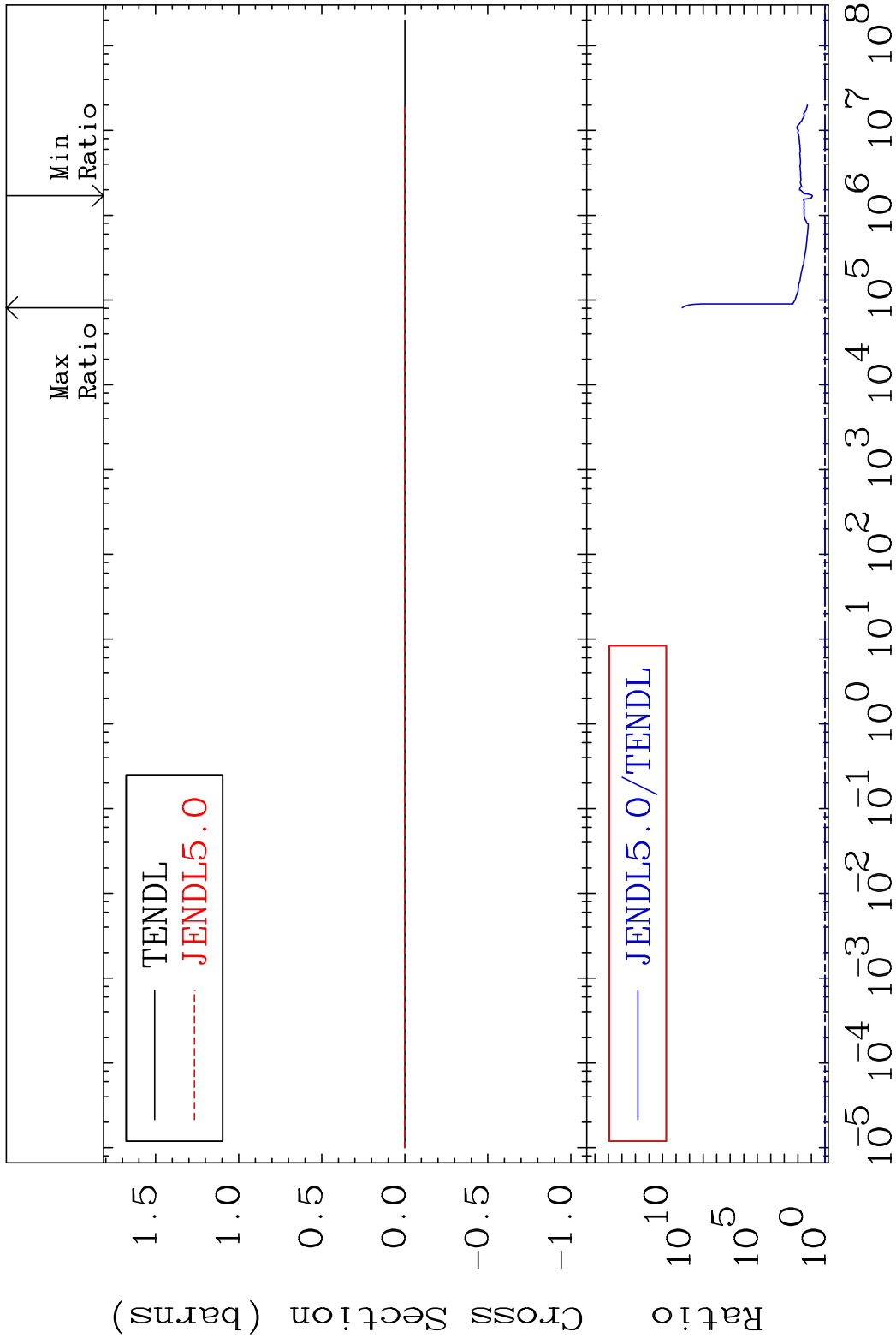
MAT 6837 Kerma non-elastic (all but mt2) 68-Er-166
 Cross Section -9999. To 9999. %



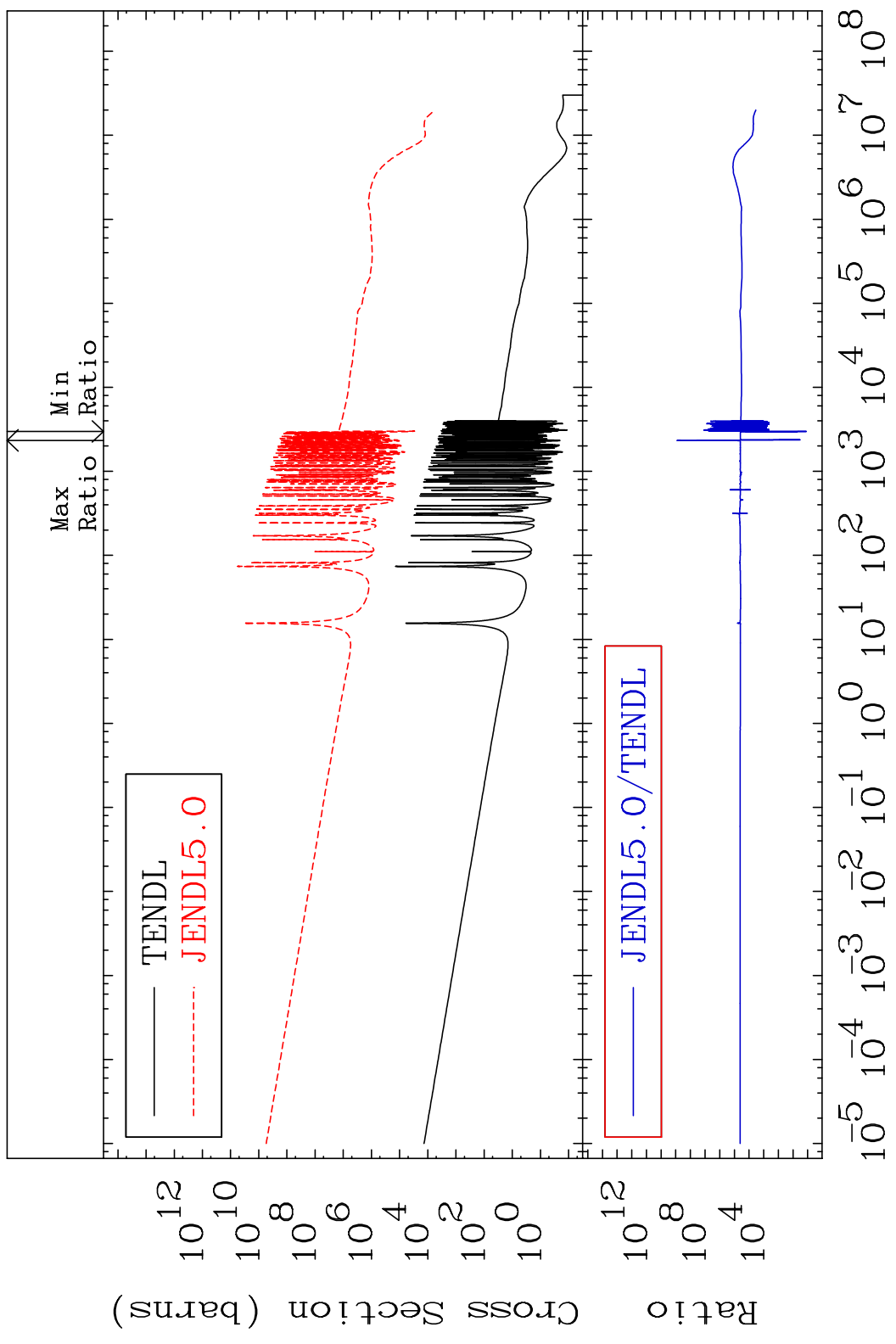
MAT 6837 Kerma inelastic (mt51-91) 68-Er-166
 Cross Section 724.2 To 9999. %



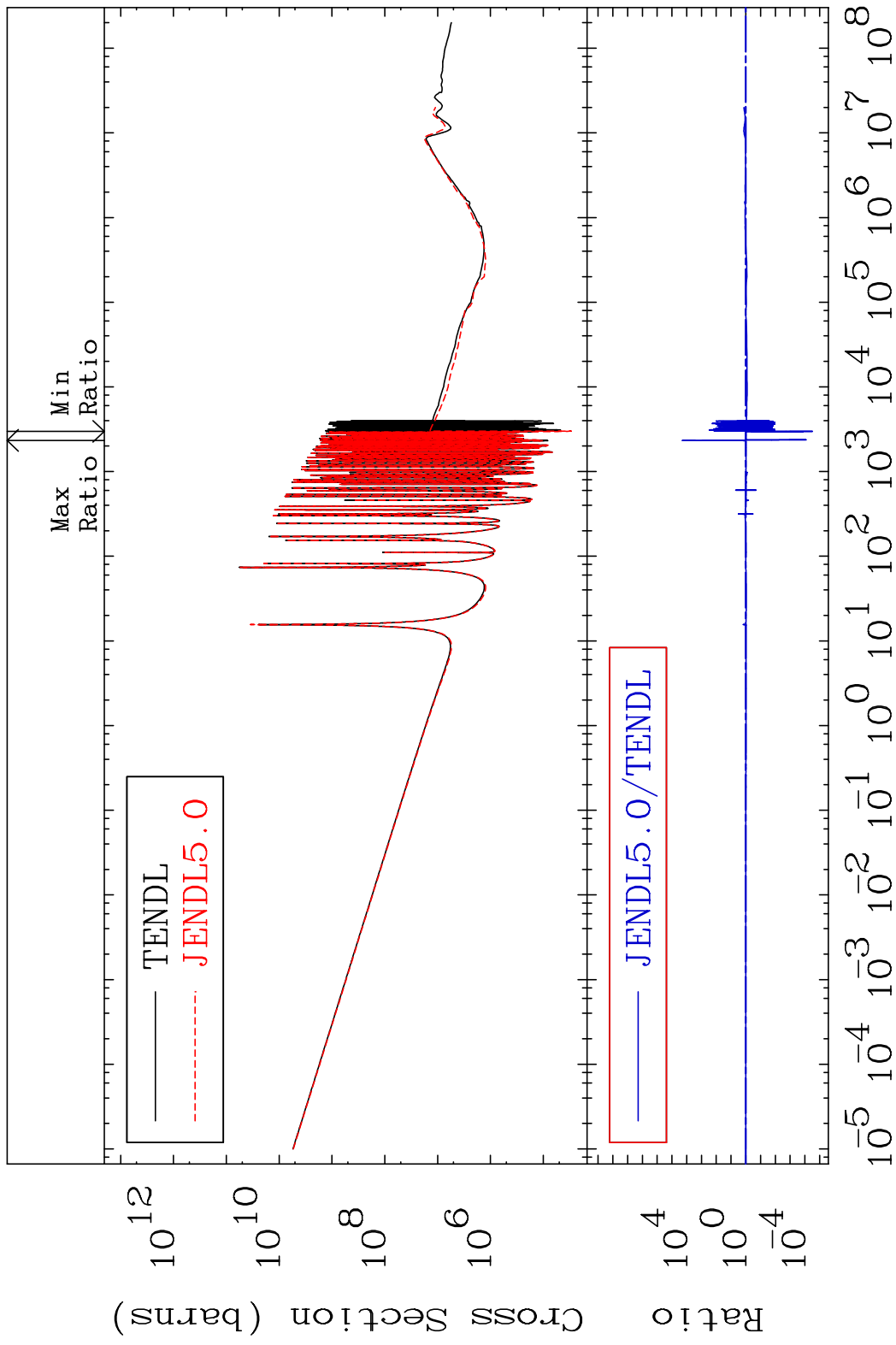
MAT 6837 Kerma fission (mt18 or mt19-20-21-38) 68-Er-166
 Cross Section 724.2 To 9999. %



40 Incident Energy (eV) 68-Er-166

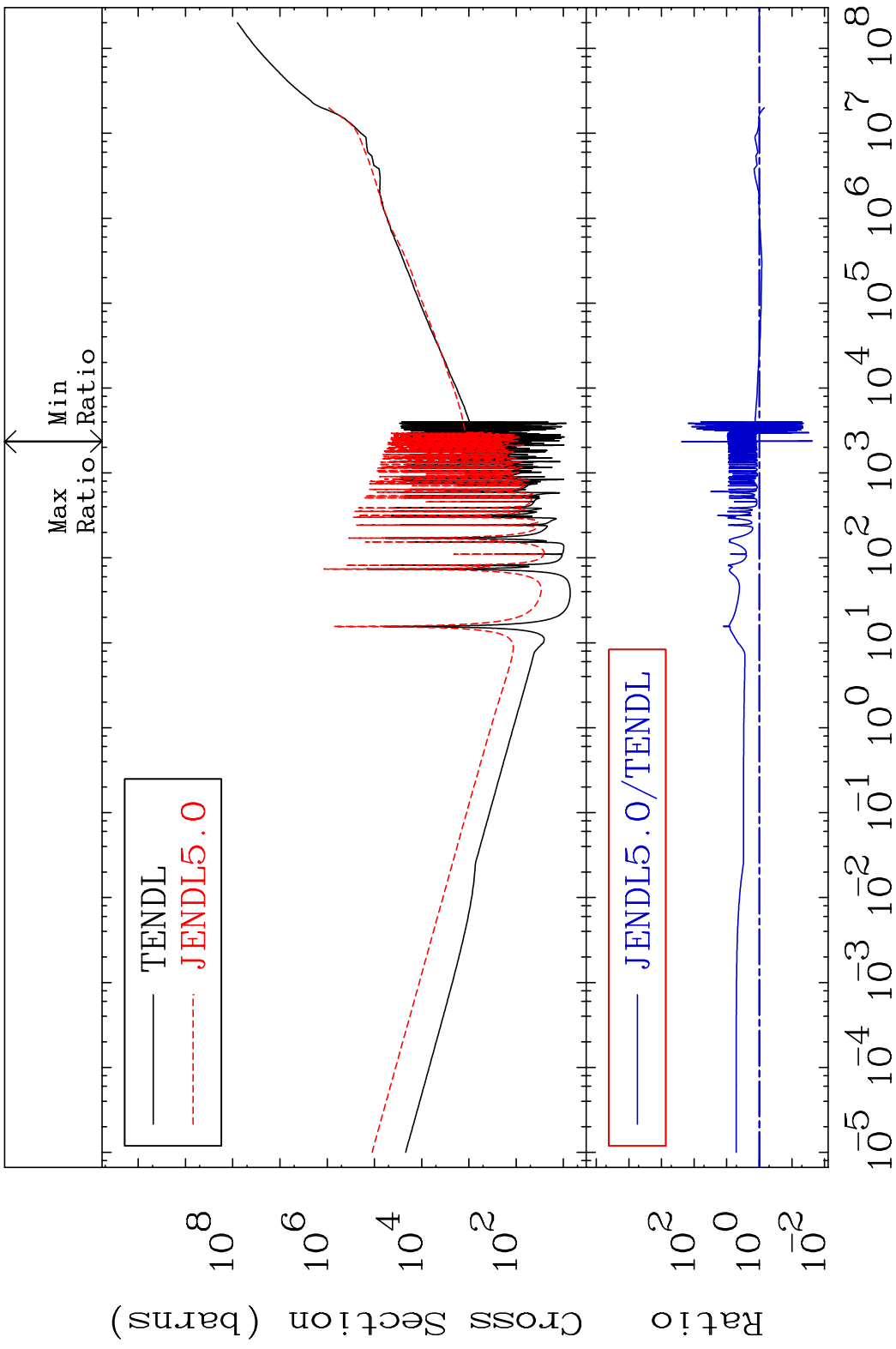


MAT 6837 Total photon (eV-barns) 68-Er-166
 Cross Section -100.0 To 9999. %



42 Incident Energy (eV) 68-Er-166

MAT 6837 Total kinematic kerma (high limit) 68-Er-166
Cross Section -97.62 To 9999. %

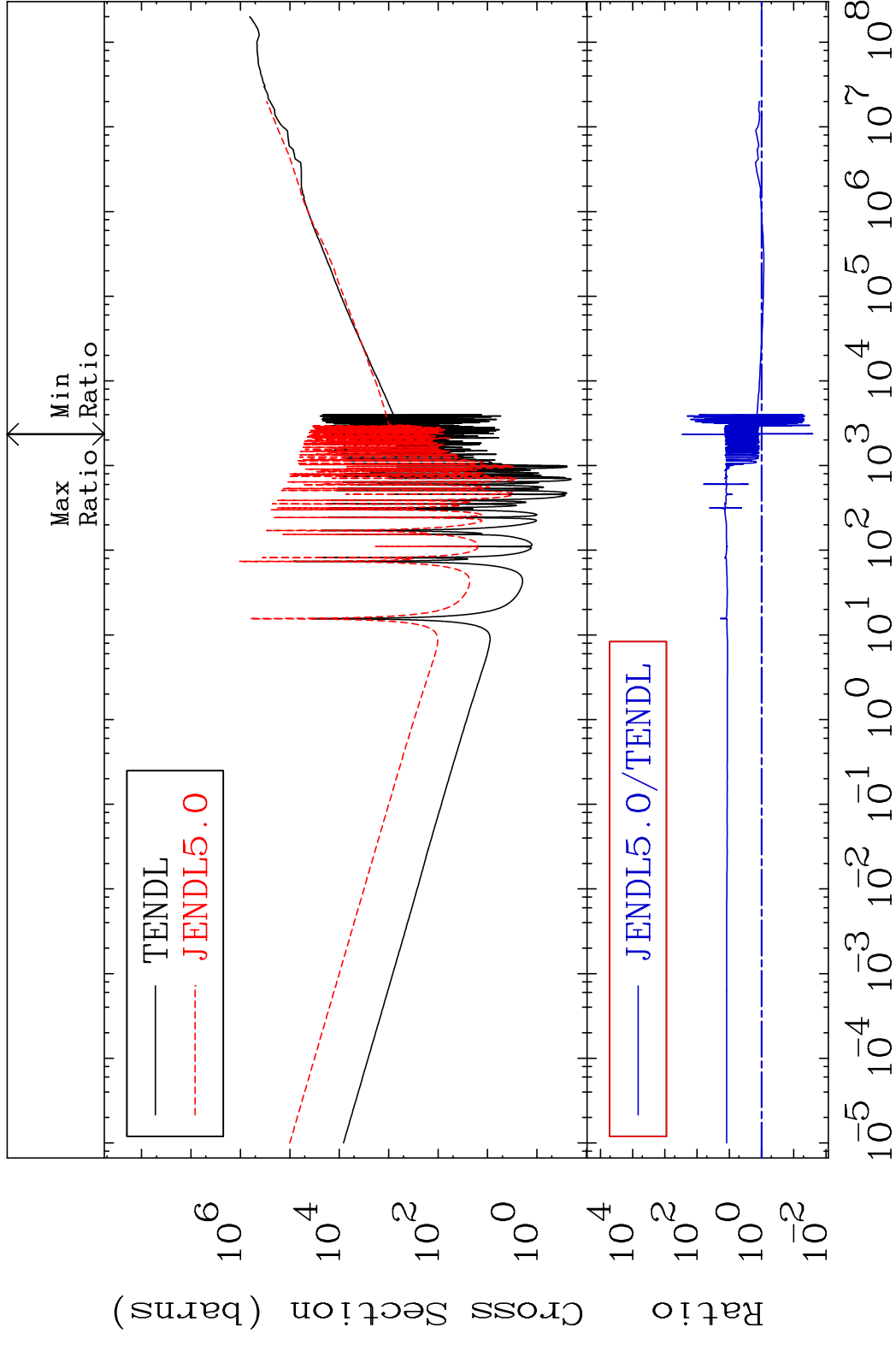


MAT 6837

Dpa total (eV-barns)

68-Er-166

Cross Section -97.39 To 9999. %

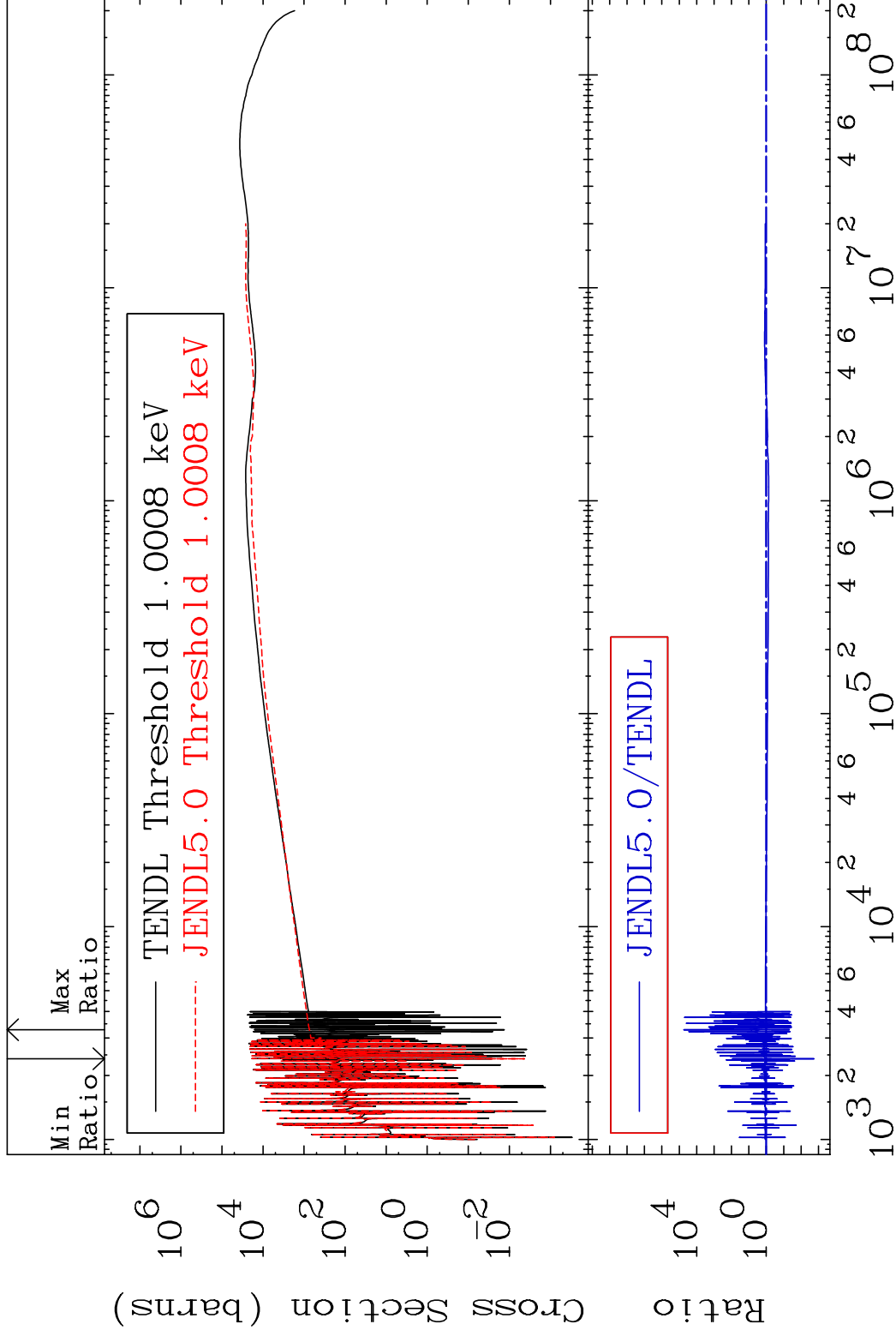


MAT 6837

Dpa elastic (mt2)

68-Er-166

Cross Section -99.82 To 9999. %



45

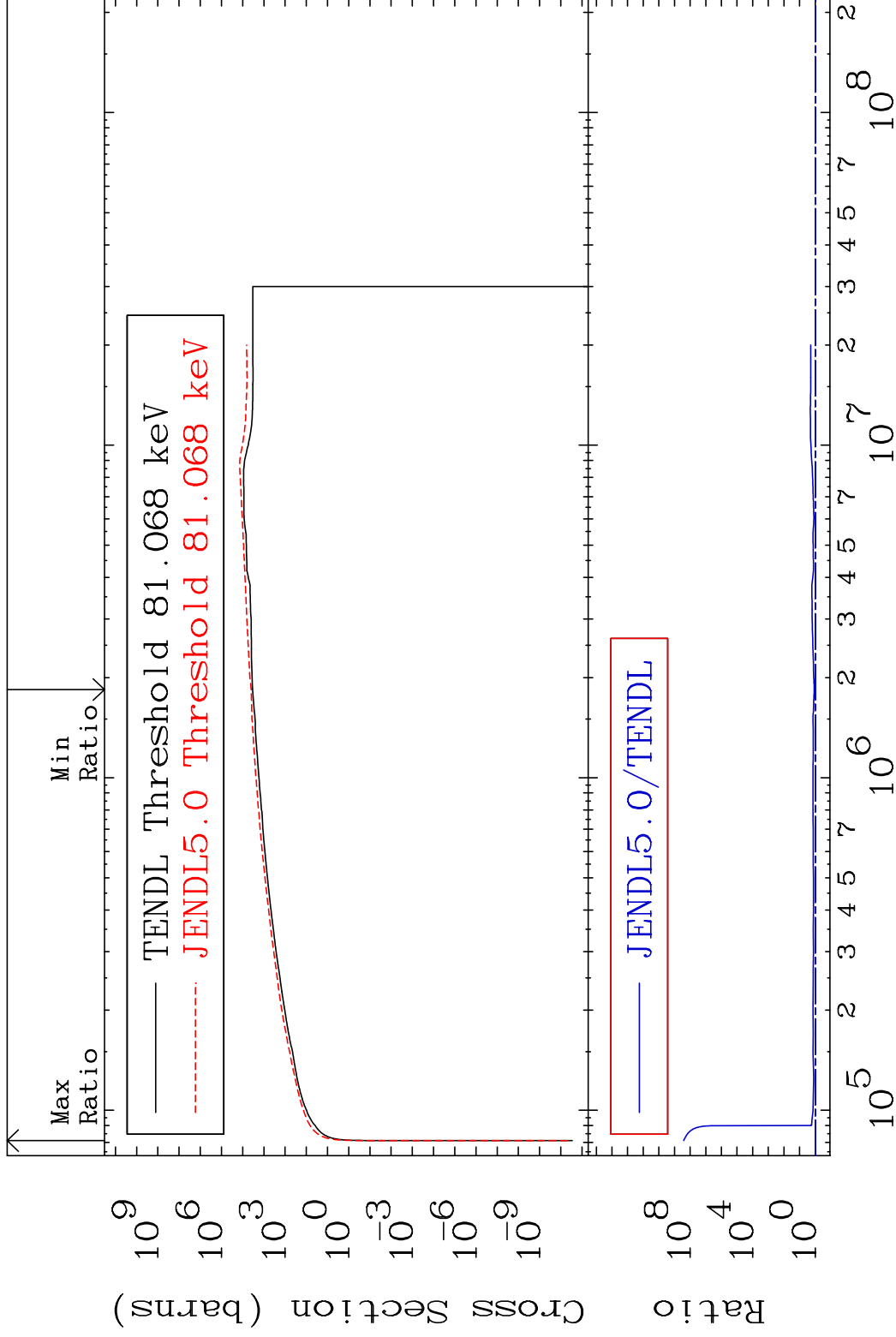
Incident Energy (eV)

68-Er-166

MAT 6837

Dpa inelastic (mt51-91) 68-Er-166

Cross Section 17.56 To 9999. %

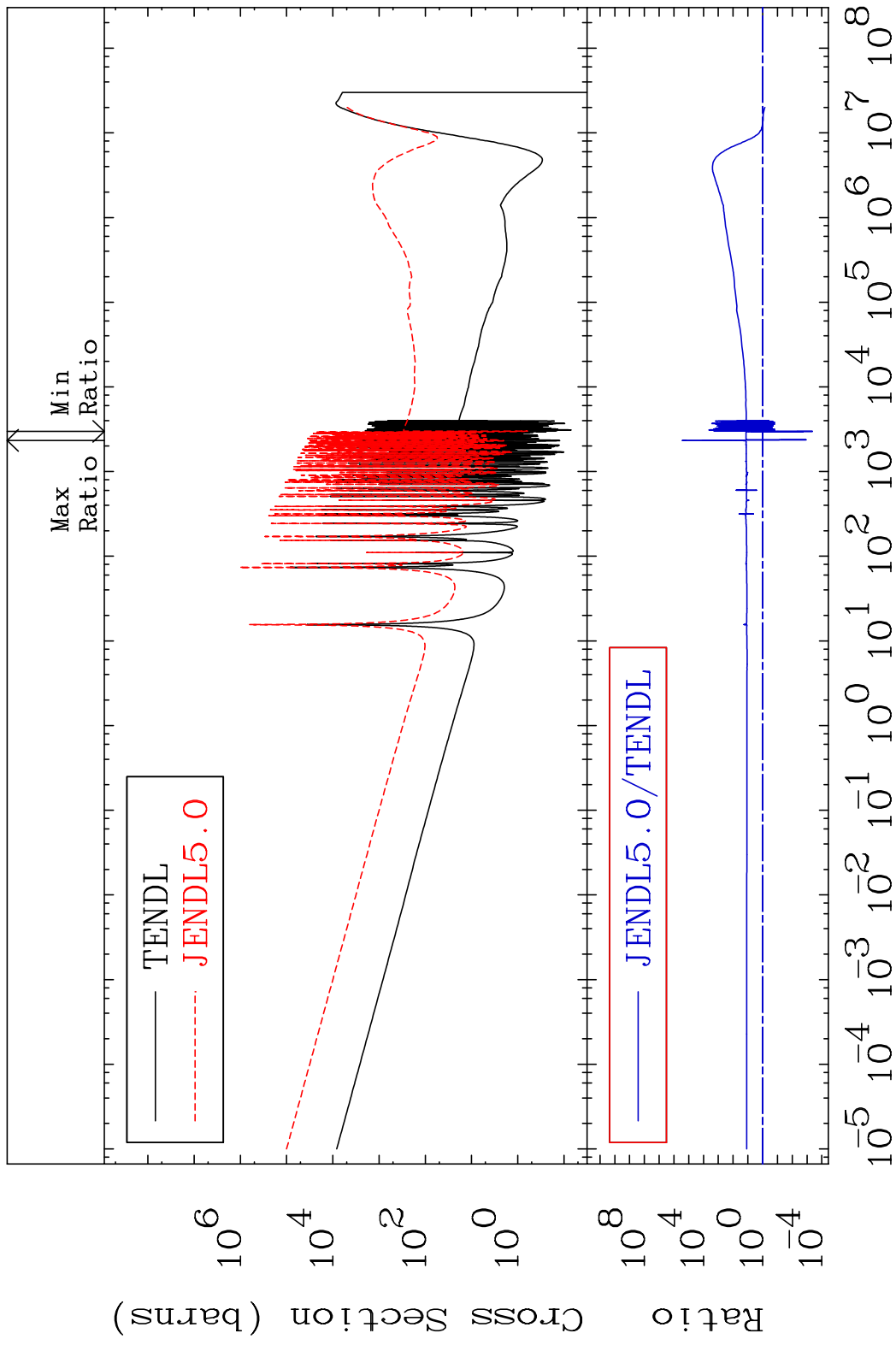


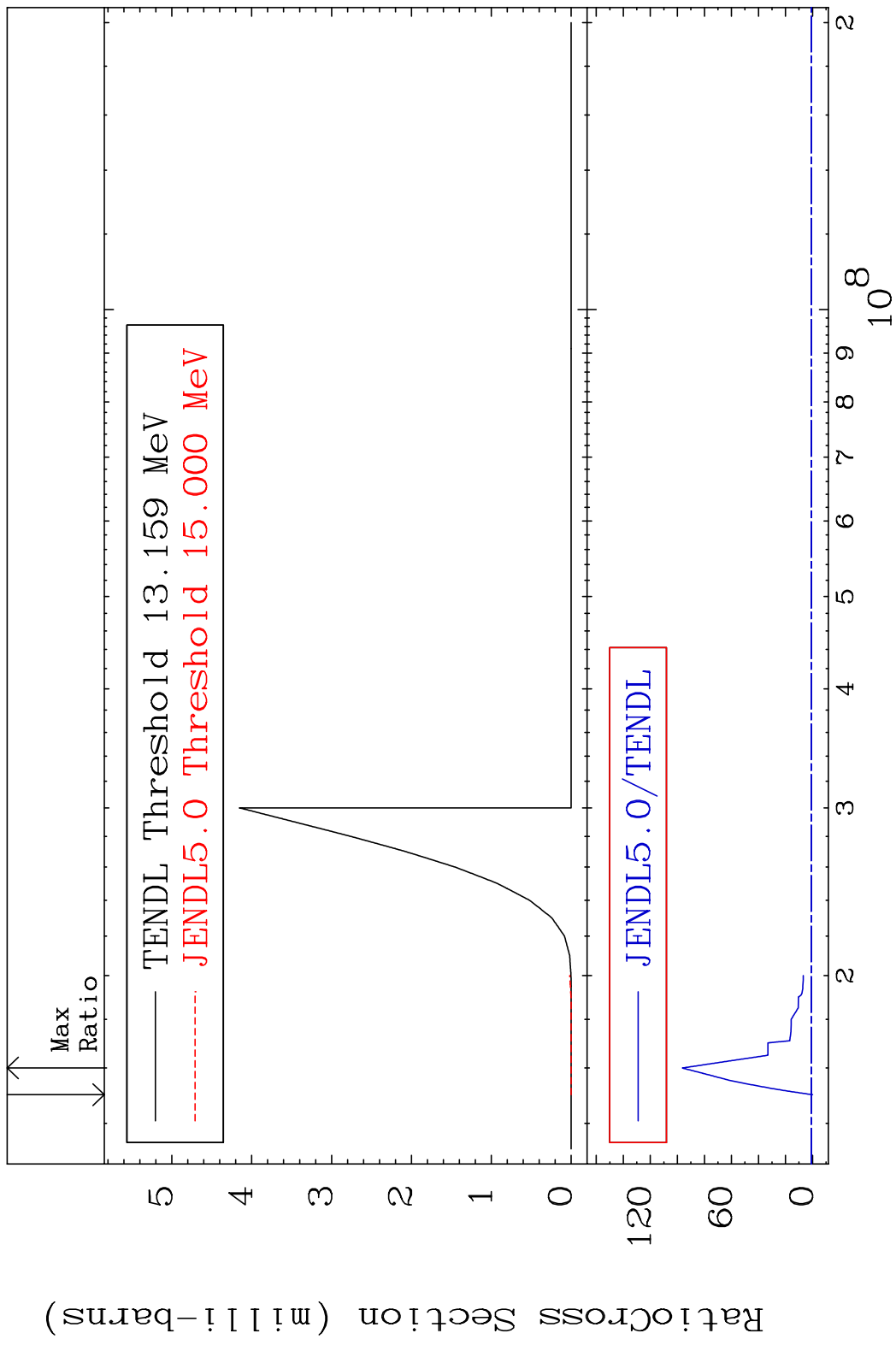
46

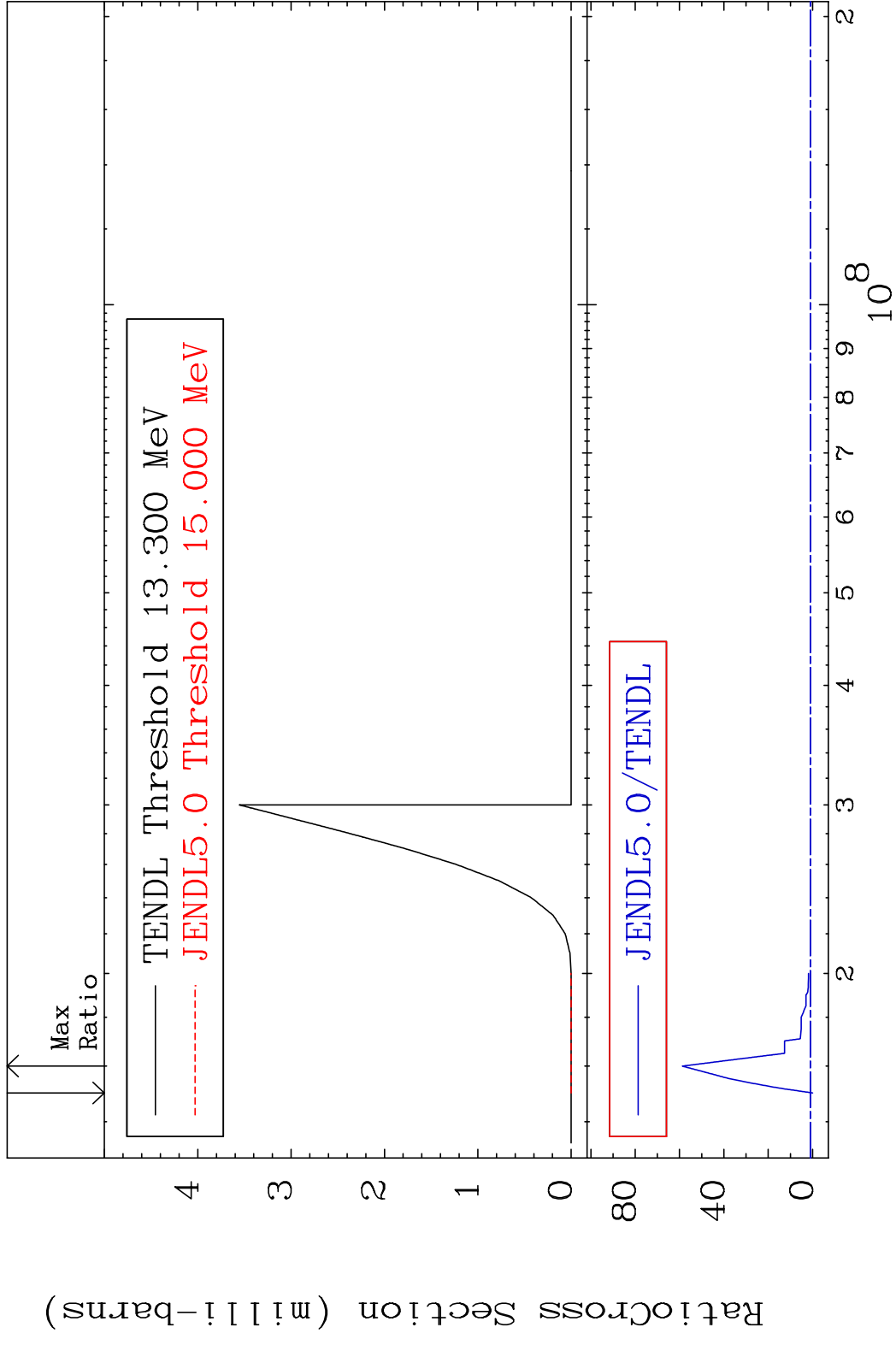
Incident Energy (eV)

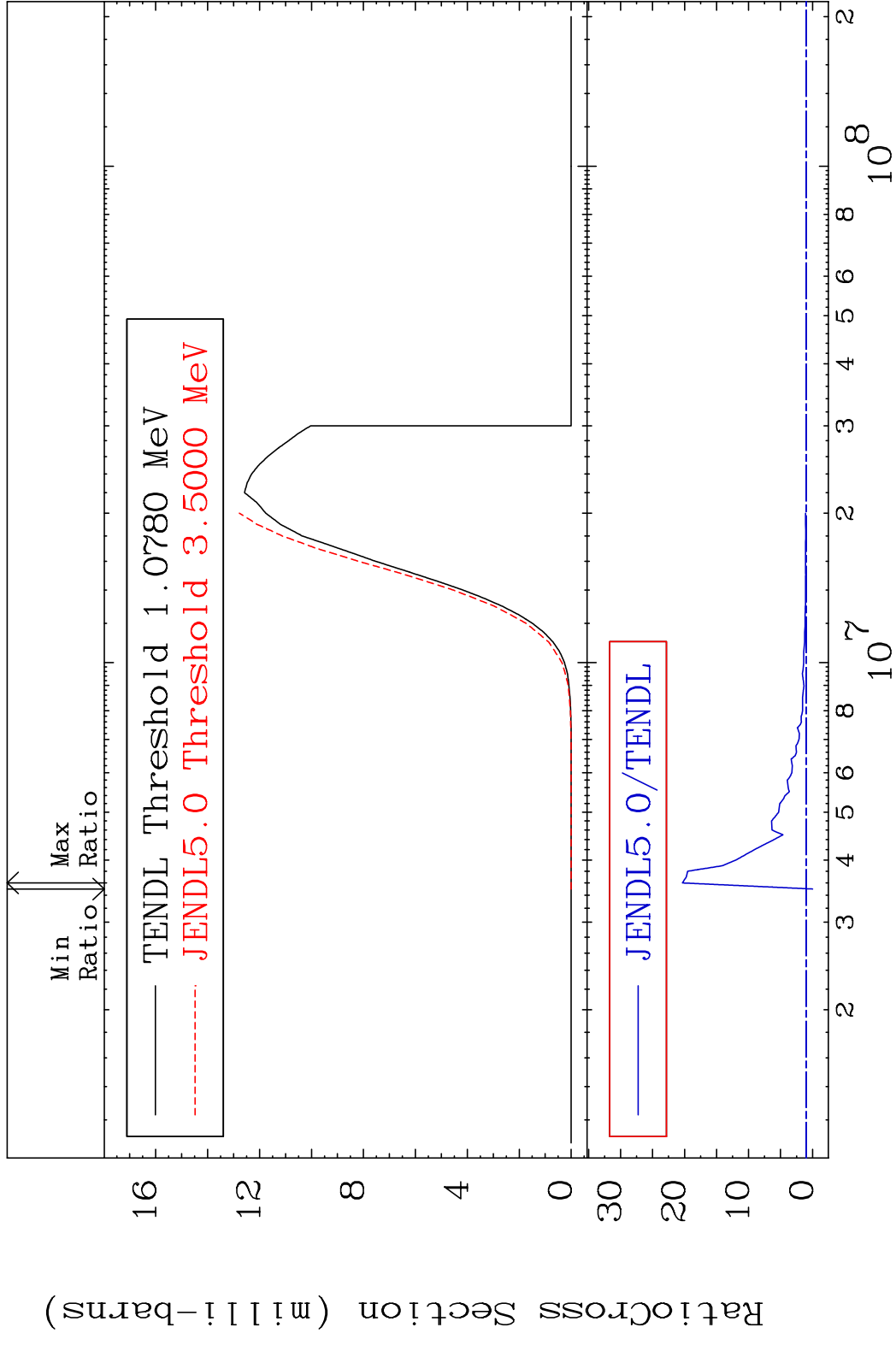
68-Er-166

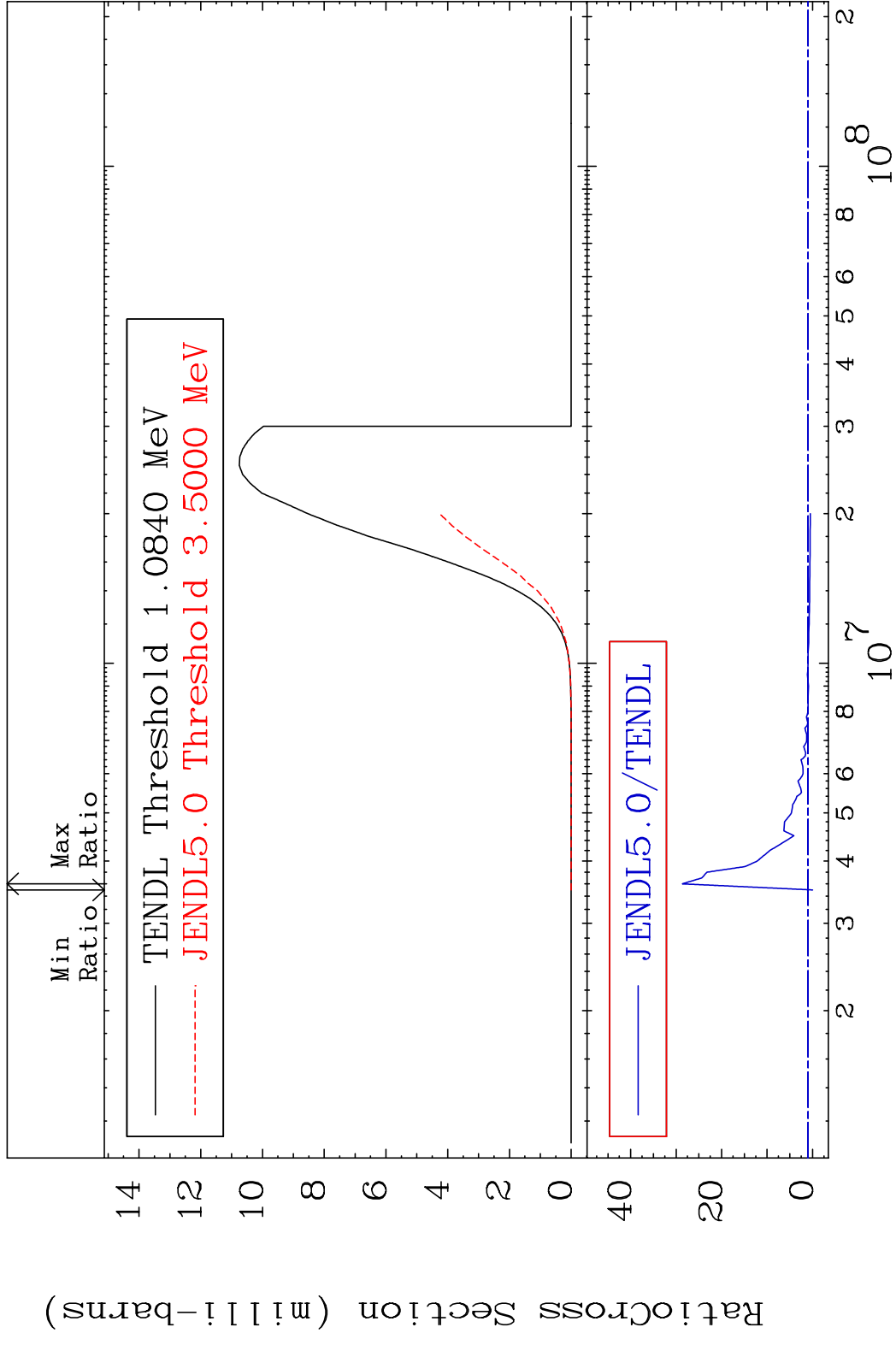
MAT 6837 Dpa disappearance (mt102 -120) 68-Er-166
 Cross Section -99.96 To 9999. %

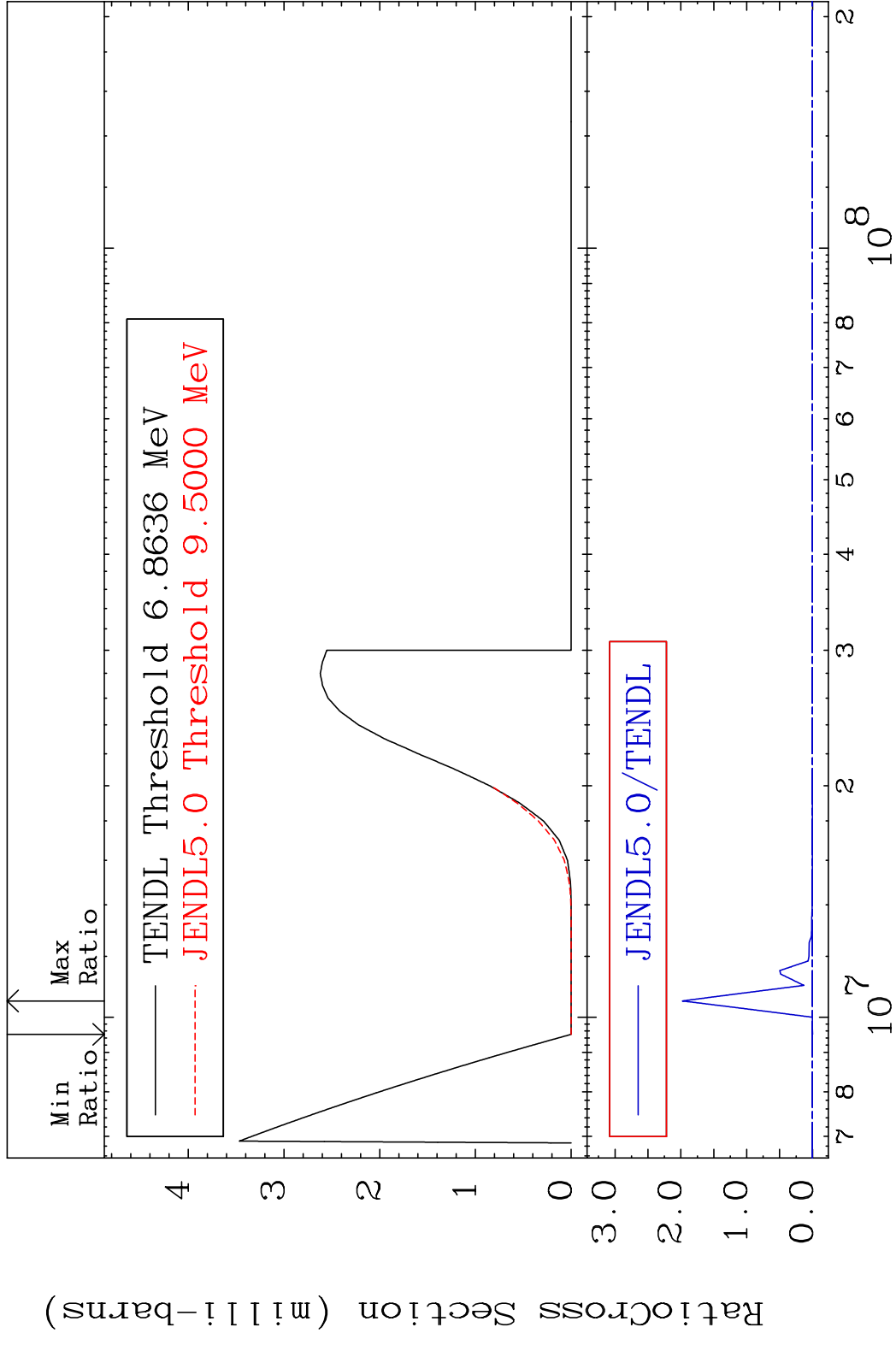


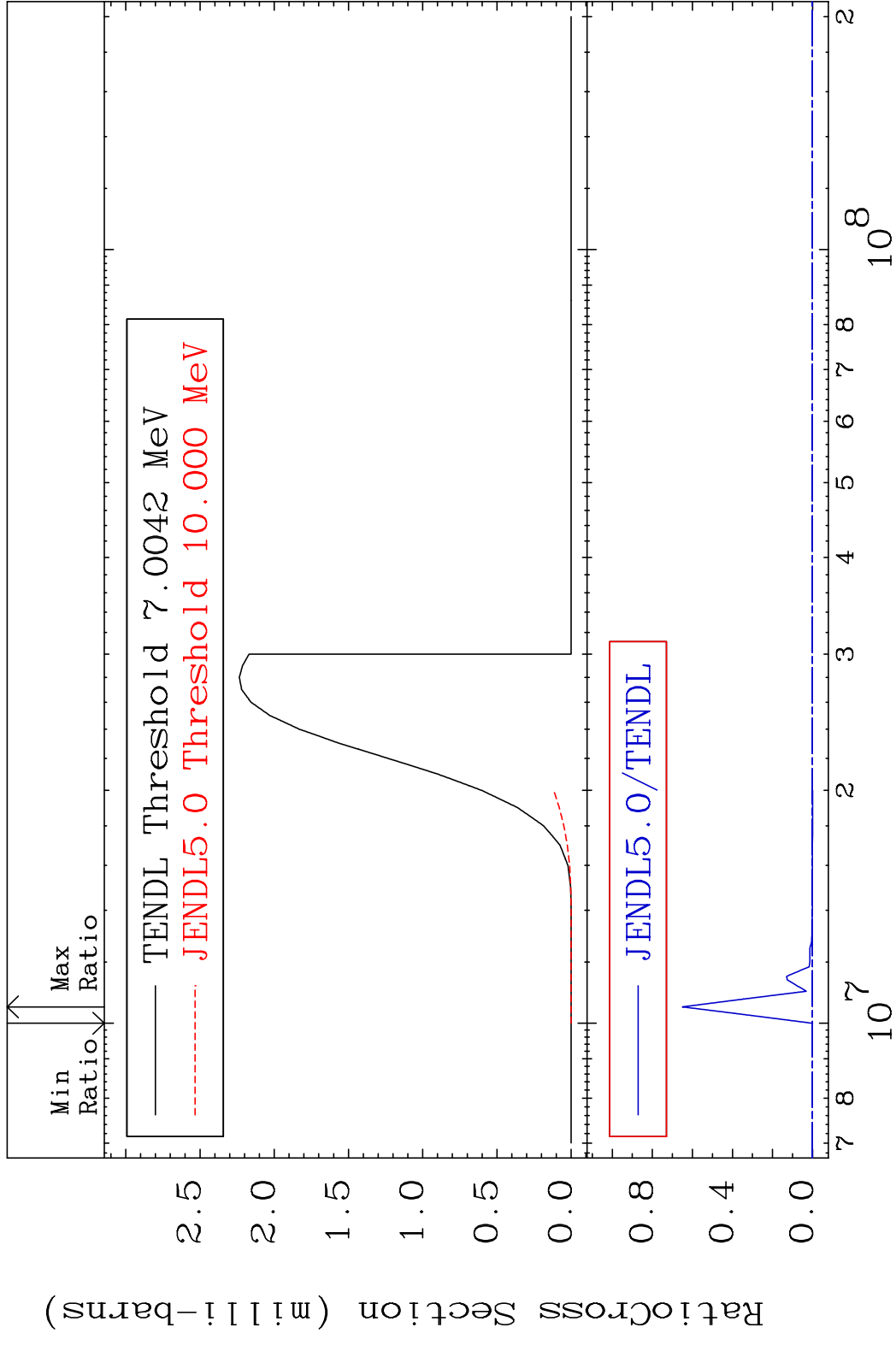




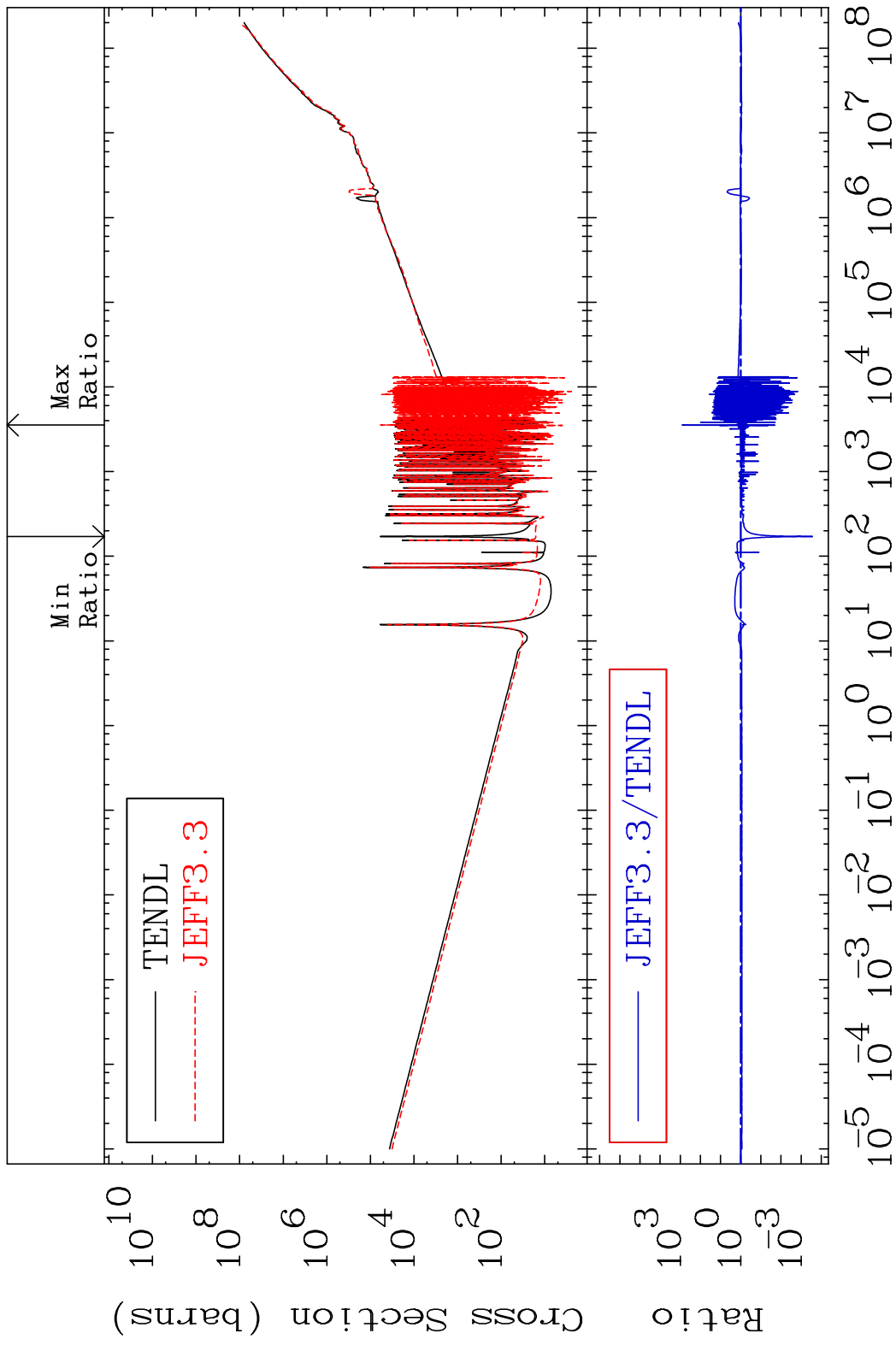








MAT 6837 Kerma total (eV-barns) 68-Er-166
 Cross Section -99.97 To 9999. %



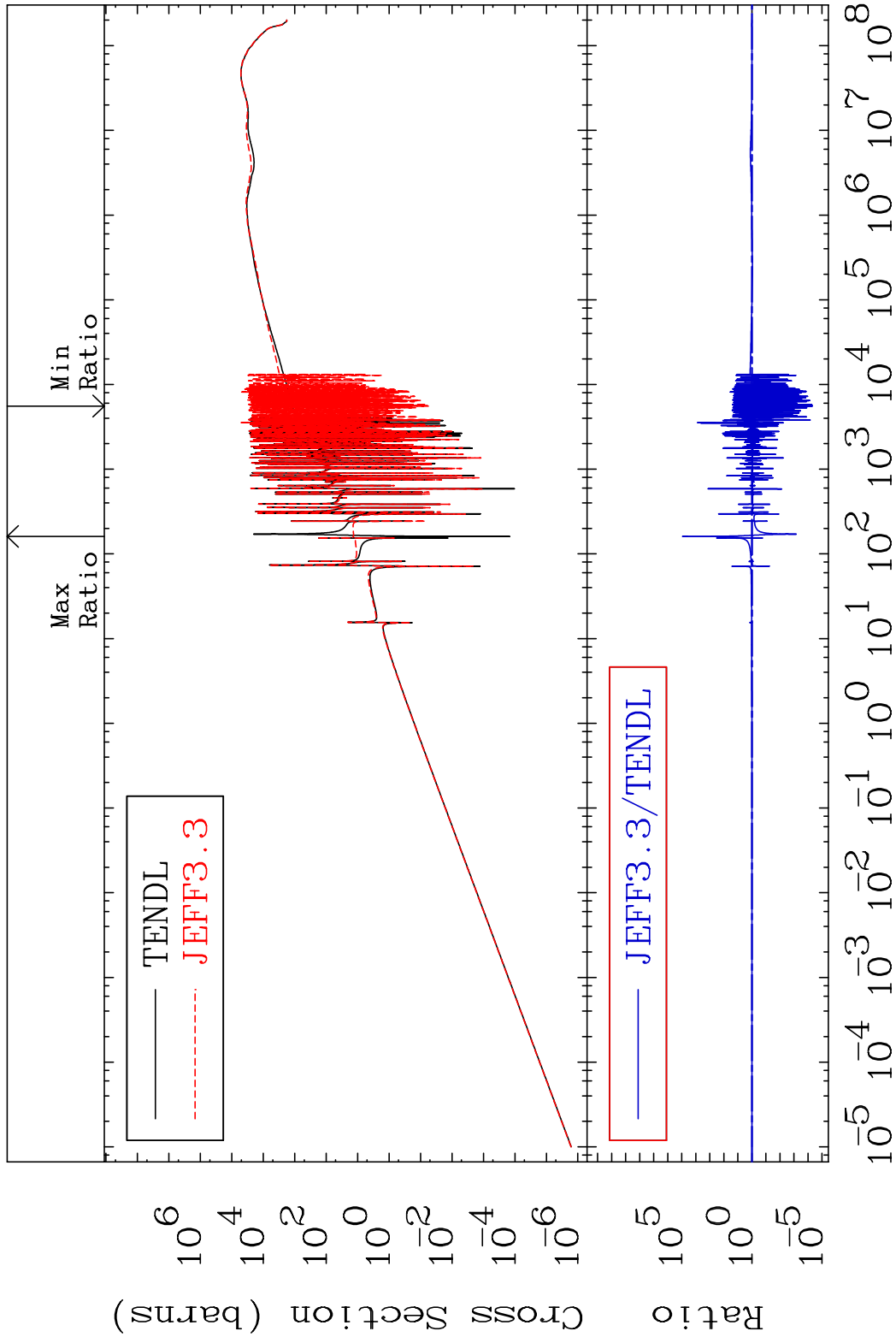
54 Incident Energy (eV) 68-Er-166

MAT 6837

Kerma elastic

68-Er-166

Cross Section -100.0 To 9999. %

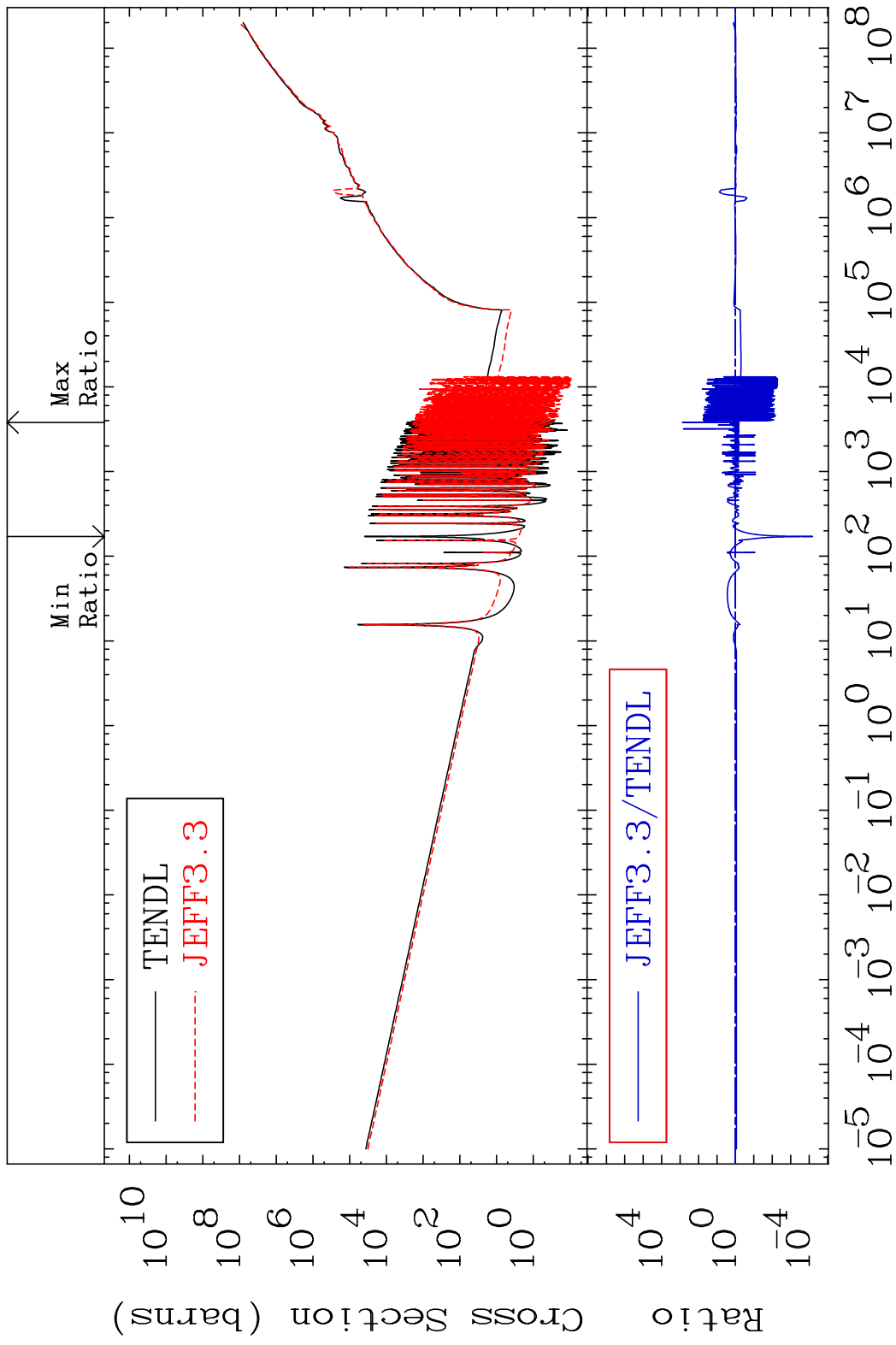


55

Incident Energy (eV)

68-Er-166

MAT 6837 Kerma non-elastic (all but mt2) 68-Er-166
 Cross Section -99.99 To 9999. %

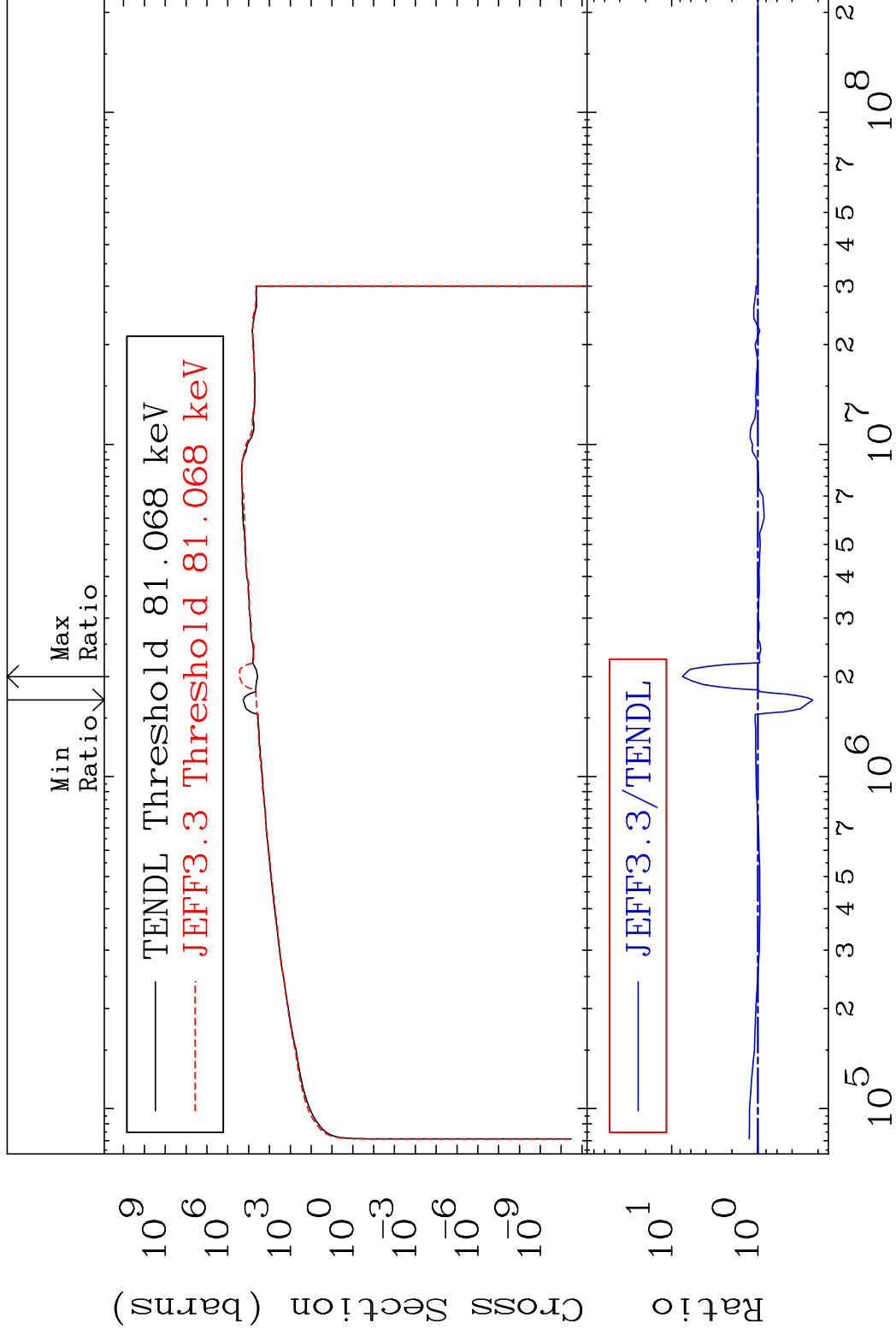


MAT 6837

Kerma inelastic (mt51-91)

68-Er-166

Cross Section -76.82 To 651.3 %

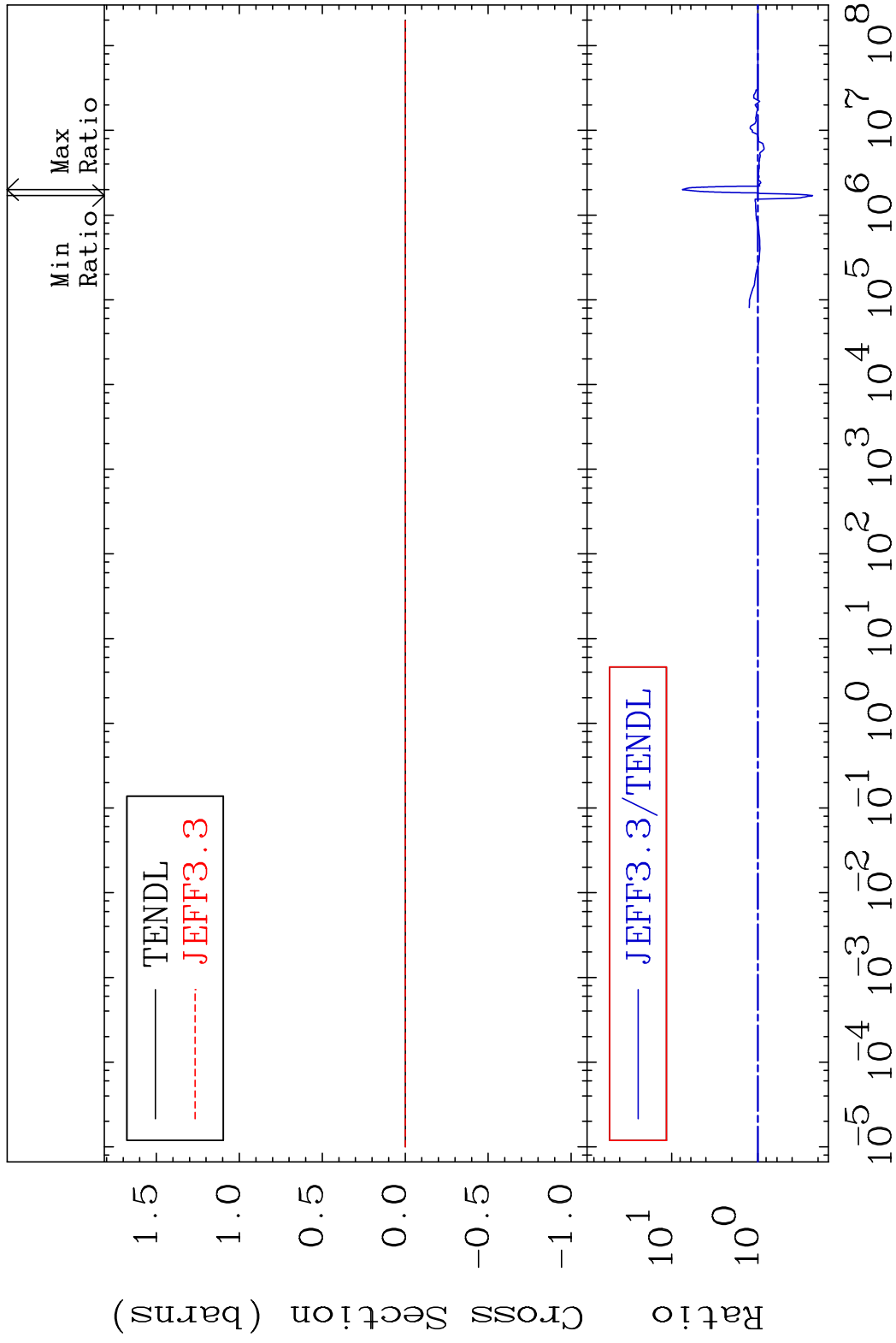


57

Incident Energy (eV)

68-Er-166

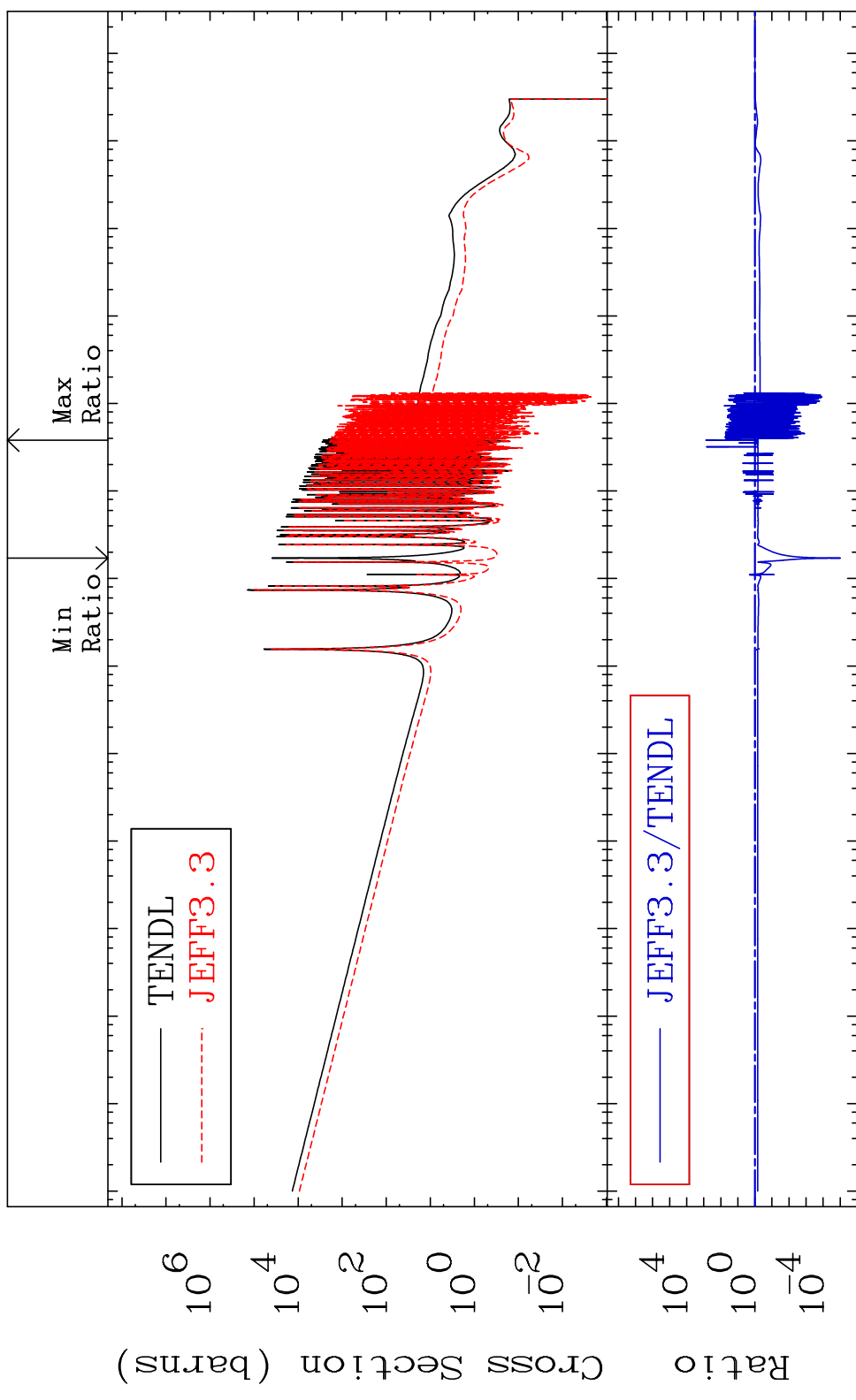
MAT 6837 Kerma fission (mt18 or mt19-20-21-38) 68-Er-166
 Cross Section -76.82 To 651.3 %



MAT 6837

Kerma capture (mt102) 68-Er-166

Cross Section -100.0 To 9999. %



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

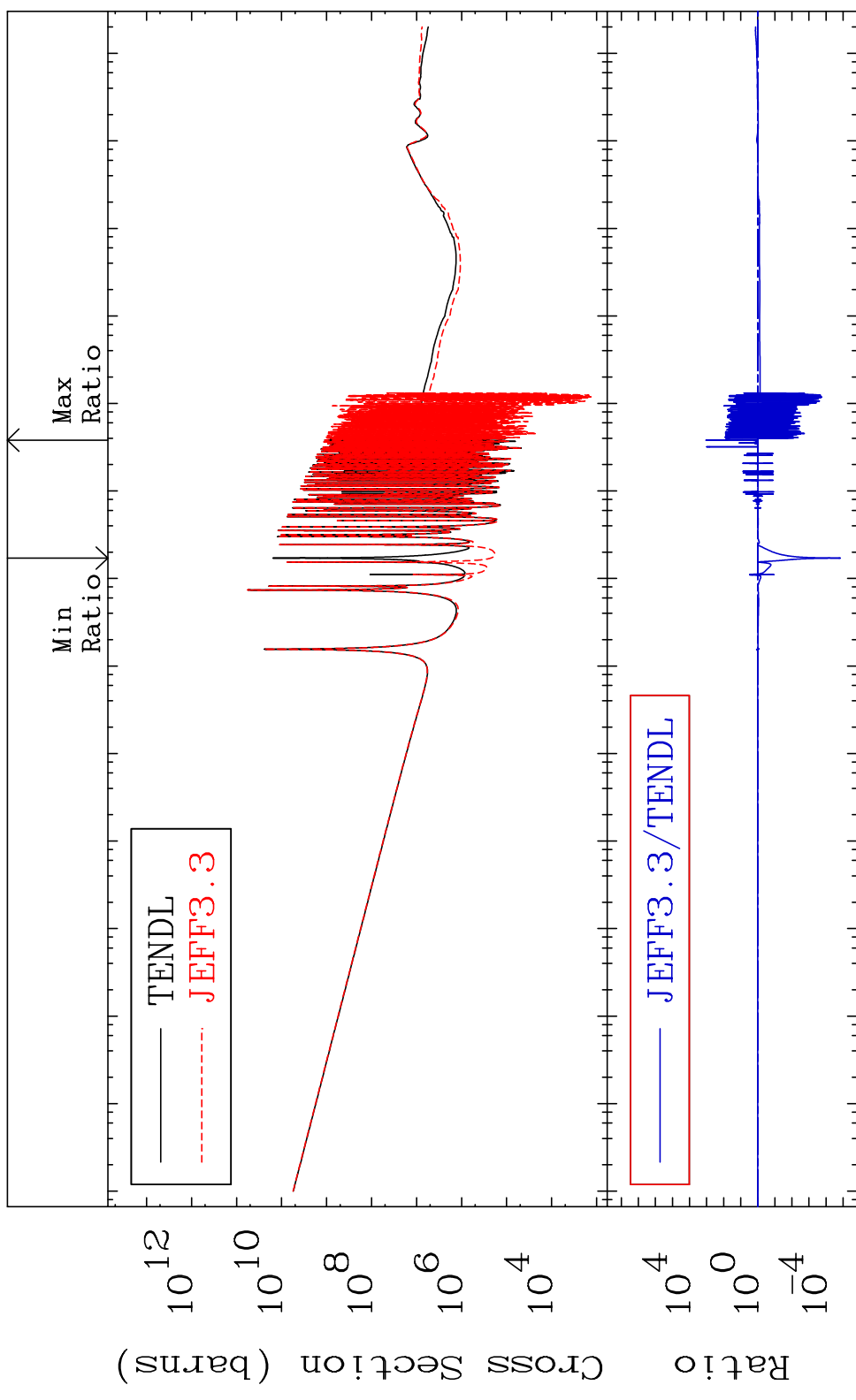
59

Incident Energy (eV)

68-Er-166

MAT 6837

Total photon (eV-barns) 68-Er-166
Cross Section -100.0 To 9999. %

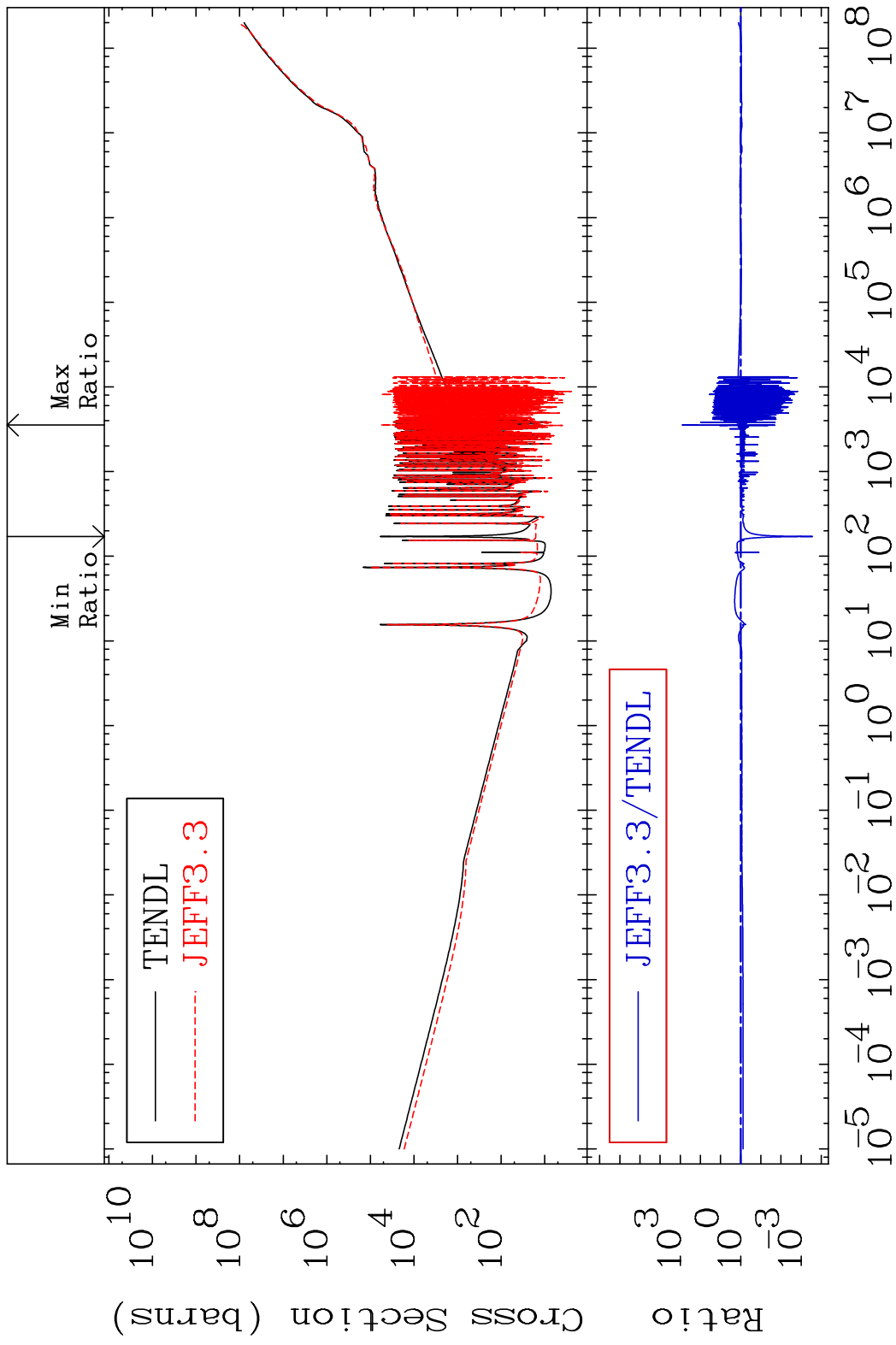


60

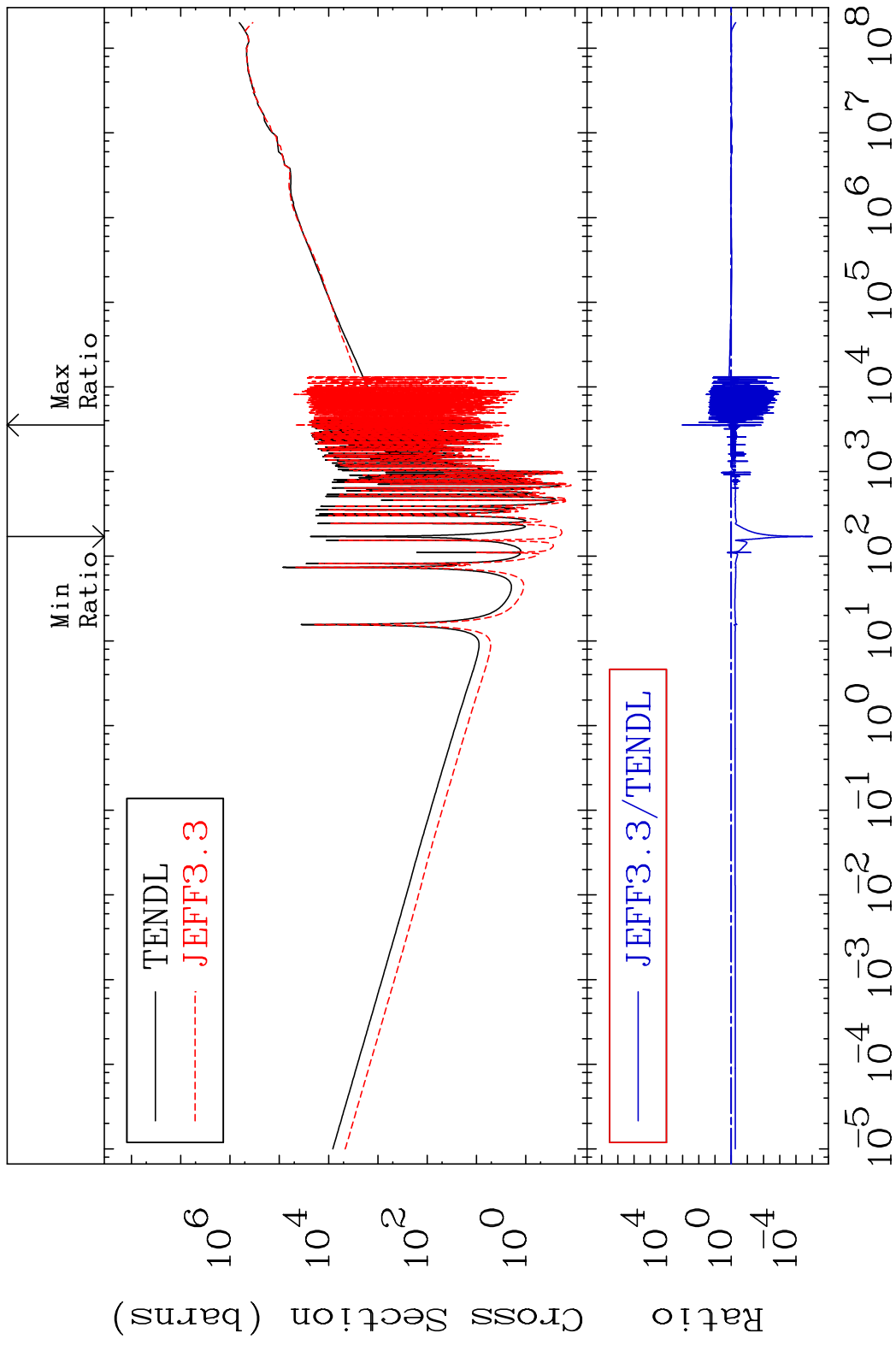
Incident Energy (eV)

68-Er-166

MAT 6837 Total kinematic kerma (high limit) 68-Er-166
 Cross Section -99.97 To 9999. %



MAT 6837 Dpa total (eV-barns) 68-Er-166
 Cross Section -100.0 To 9999. %



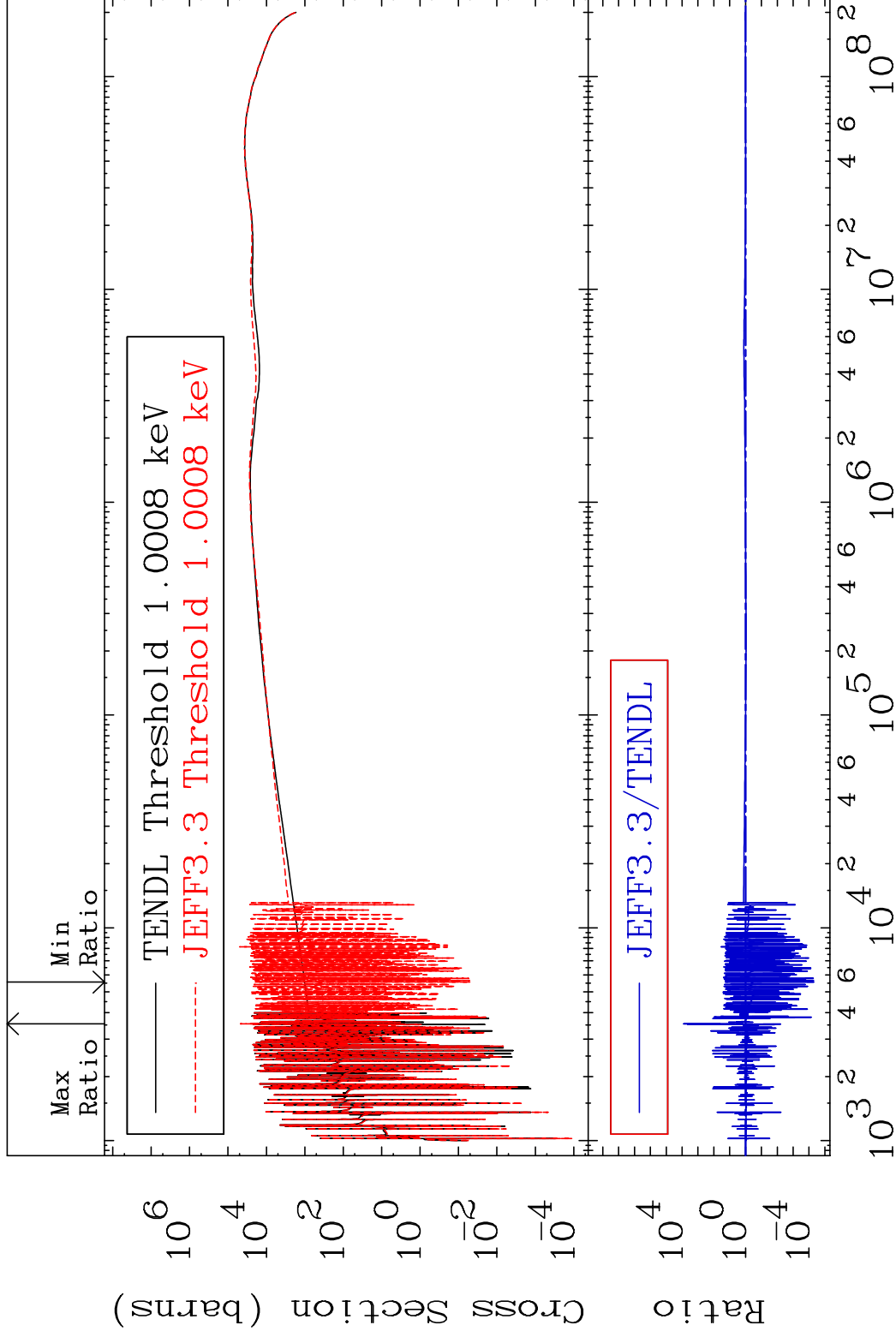
62 Incident Energy (eV) 68-Er-166

MAT 6837

Dpa elastic (mt2)

68-Er-166

Cross Section -100.0 To 9999. %

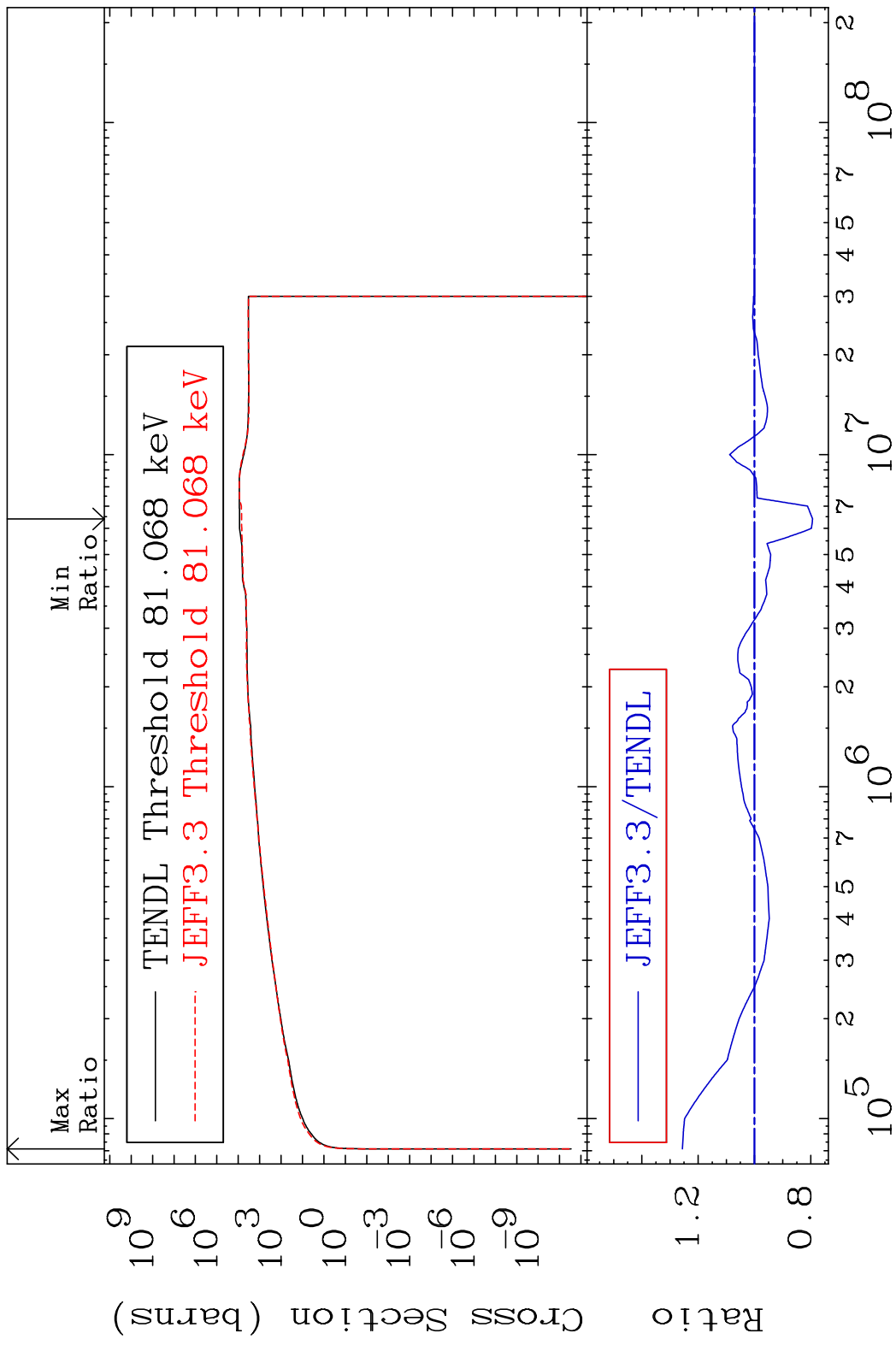


63

Incident Energy (eV)

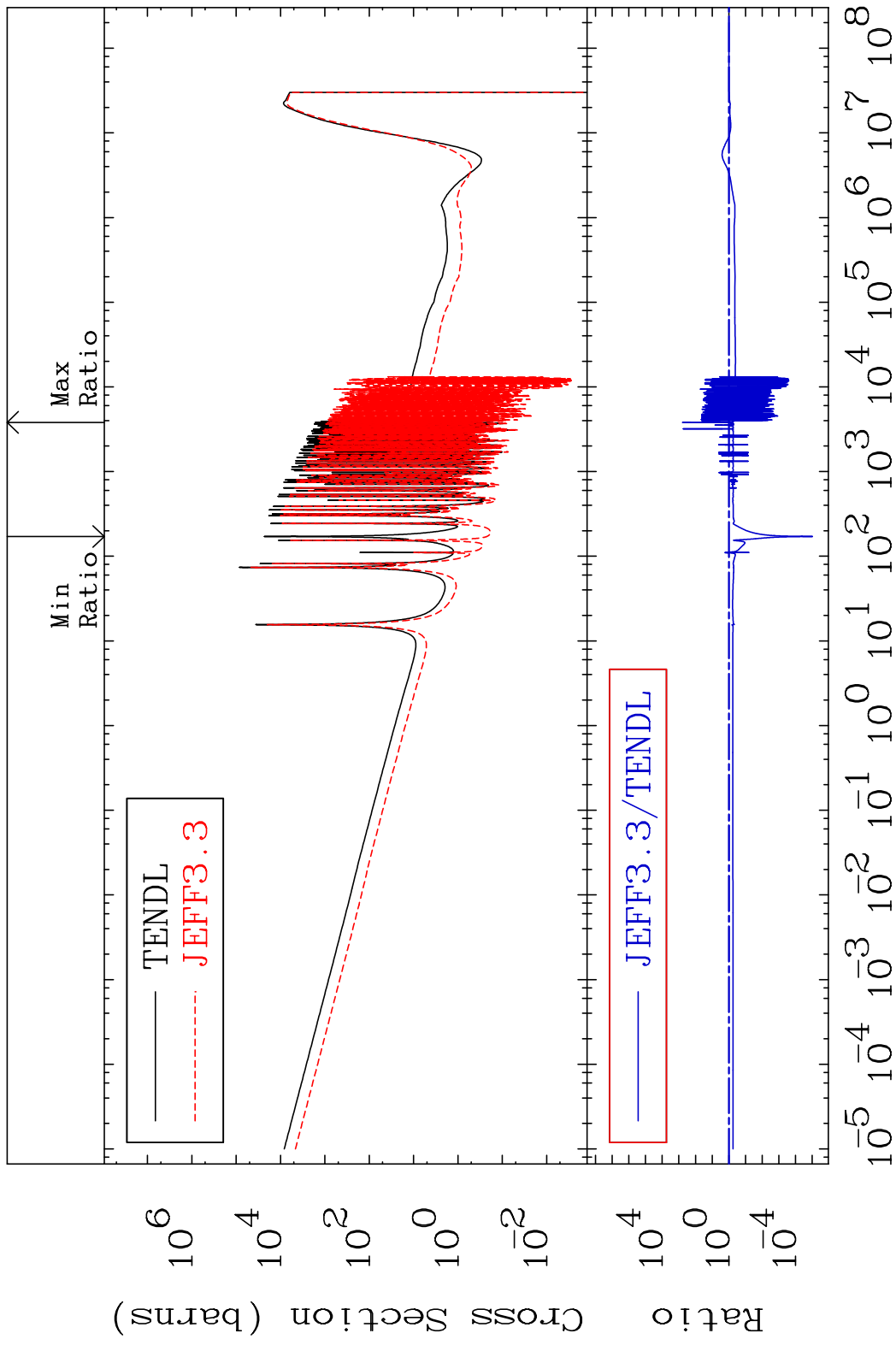
68-Er-166

MAT 6837 Dpa inelastic (mt51-91) 68-Er-166
 Cross Section -20.60 To 25.61 %

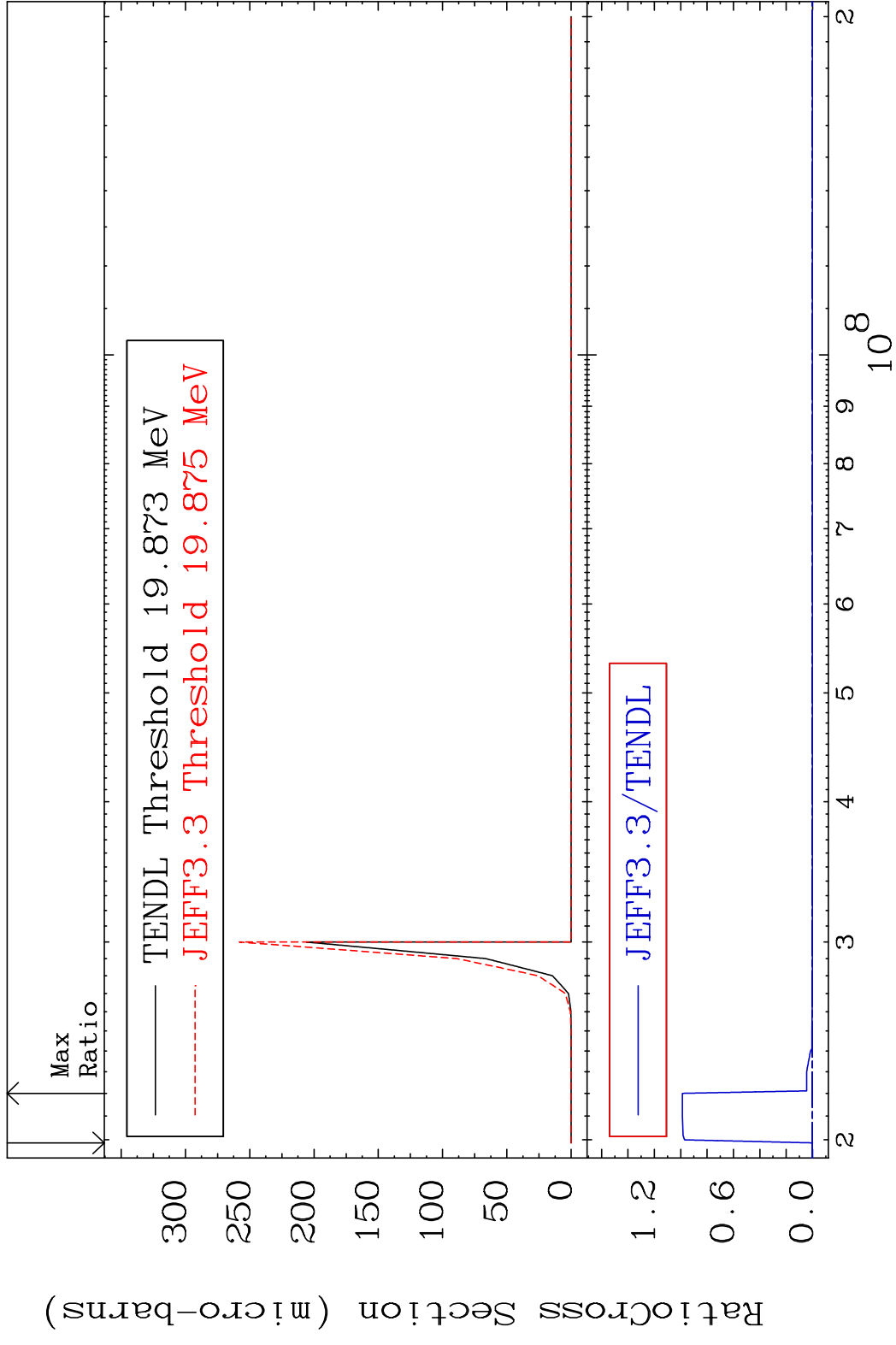


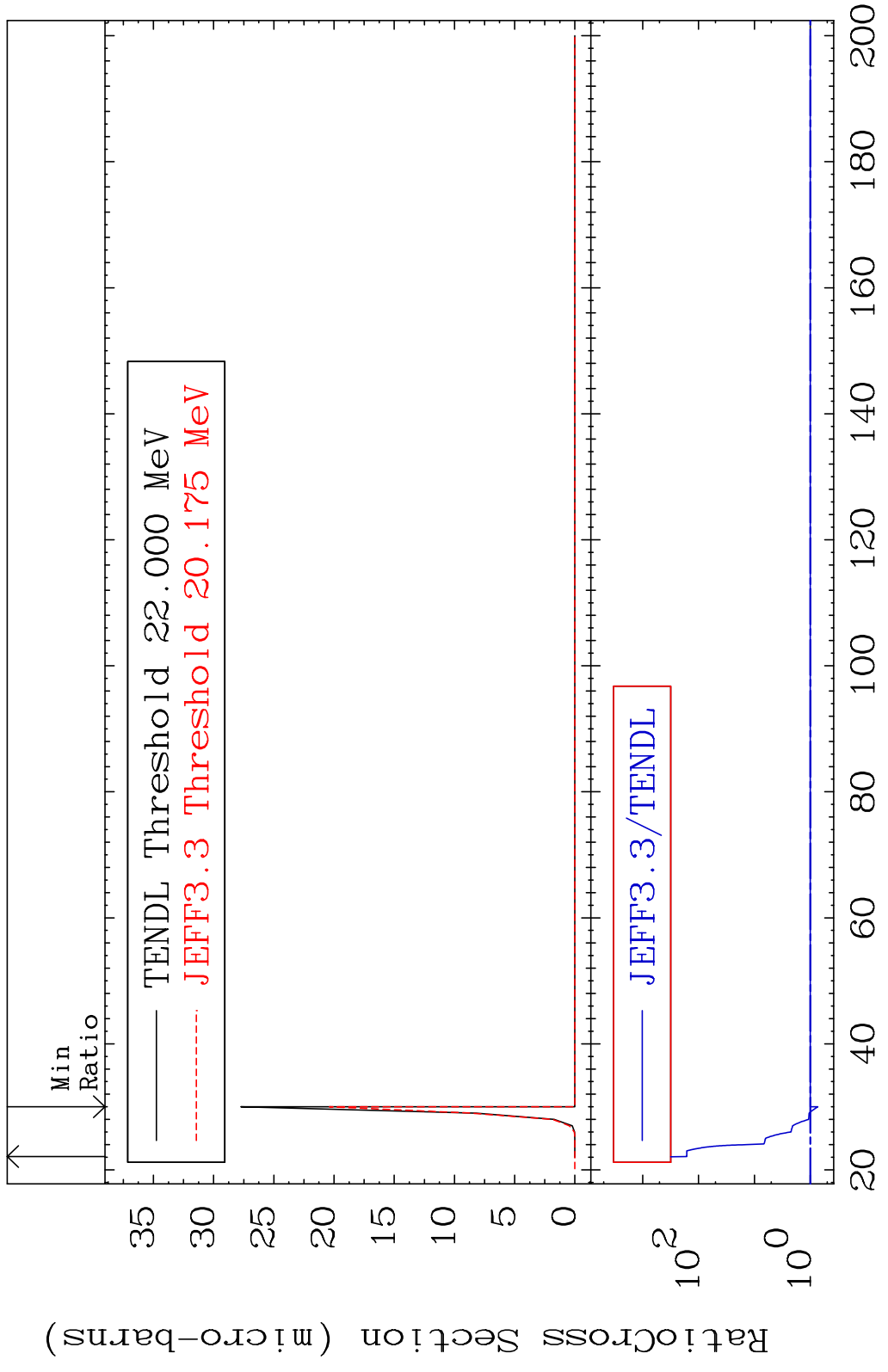
64 Incident Energy (eV) 68-Er-166

MAT 6837 Dpa disappearance (mt102 -120) 68-Er-166
 Cross Section -100.0 To 9999. %

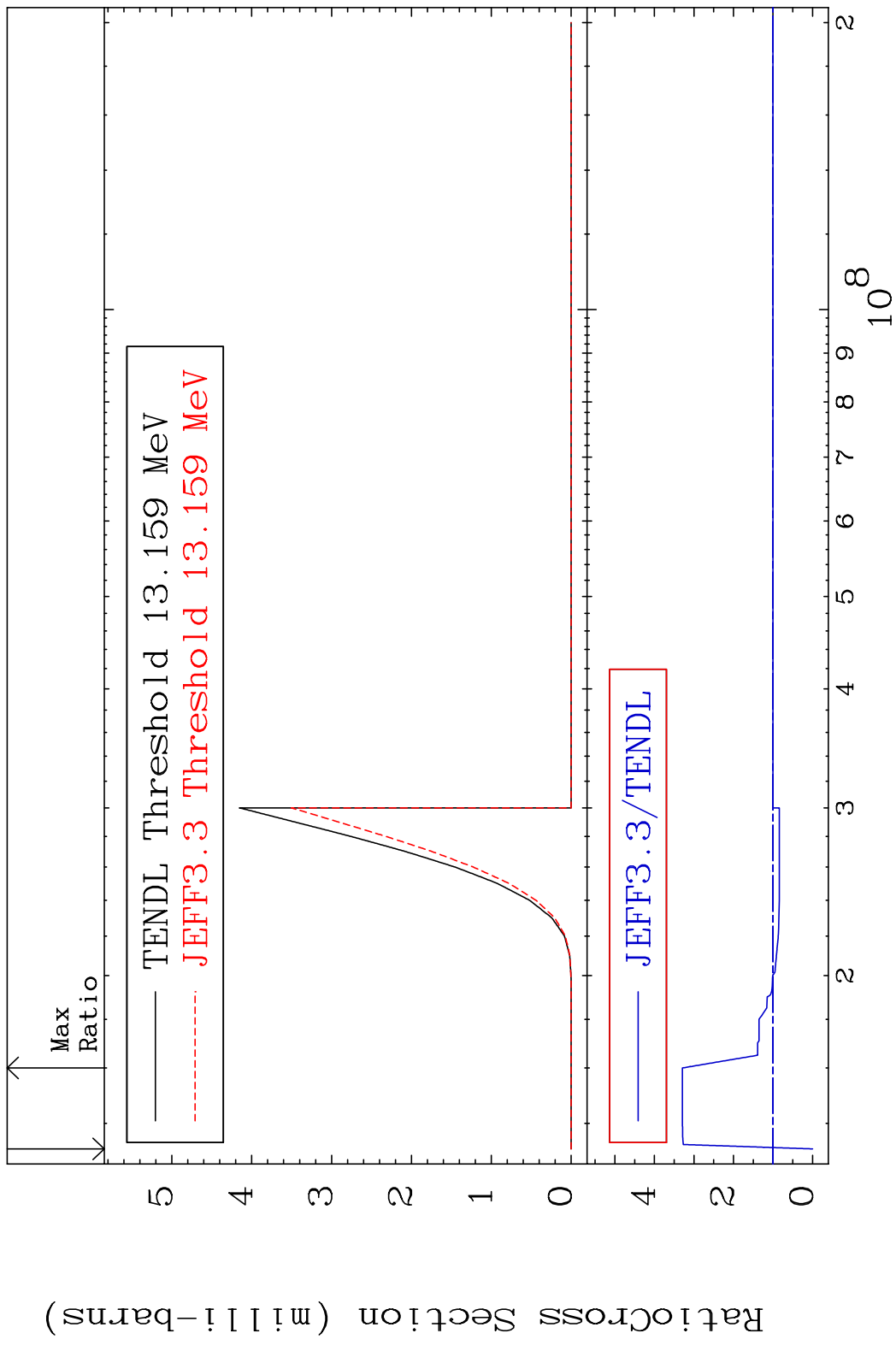


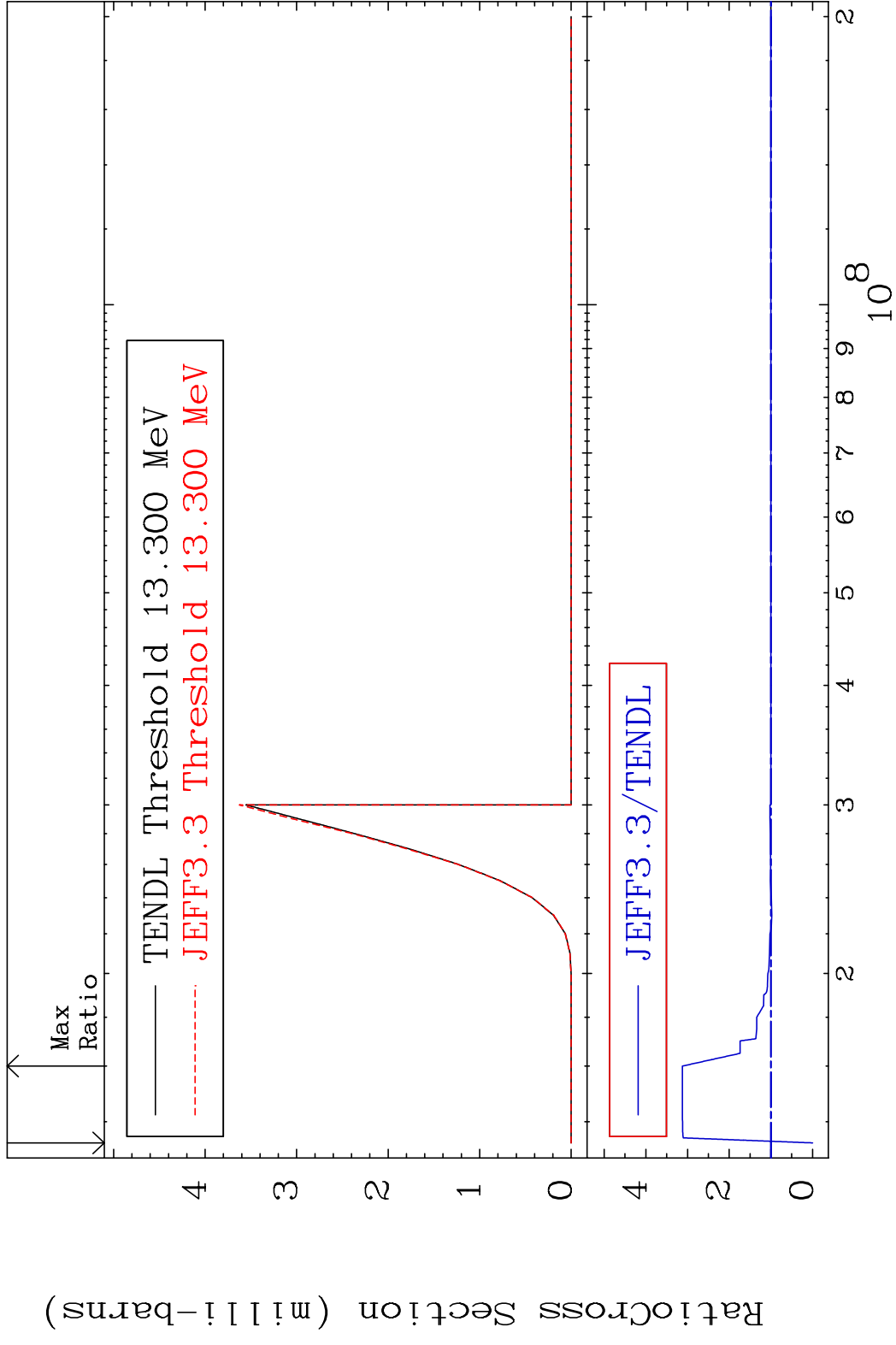
MAT 6837 (n,2n) d:67-Ho-163g 68-Er-166
 Radionuclide Production Cross Section to 9999. %



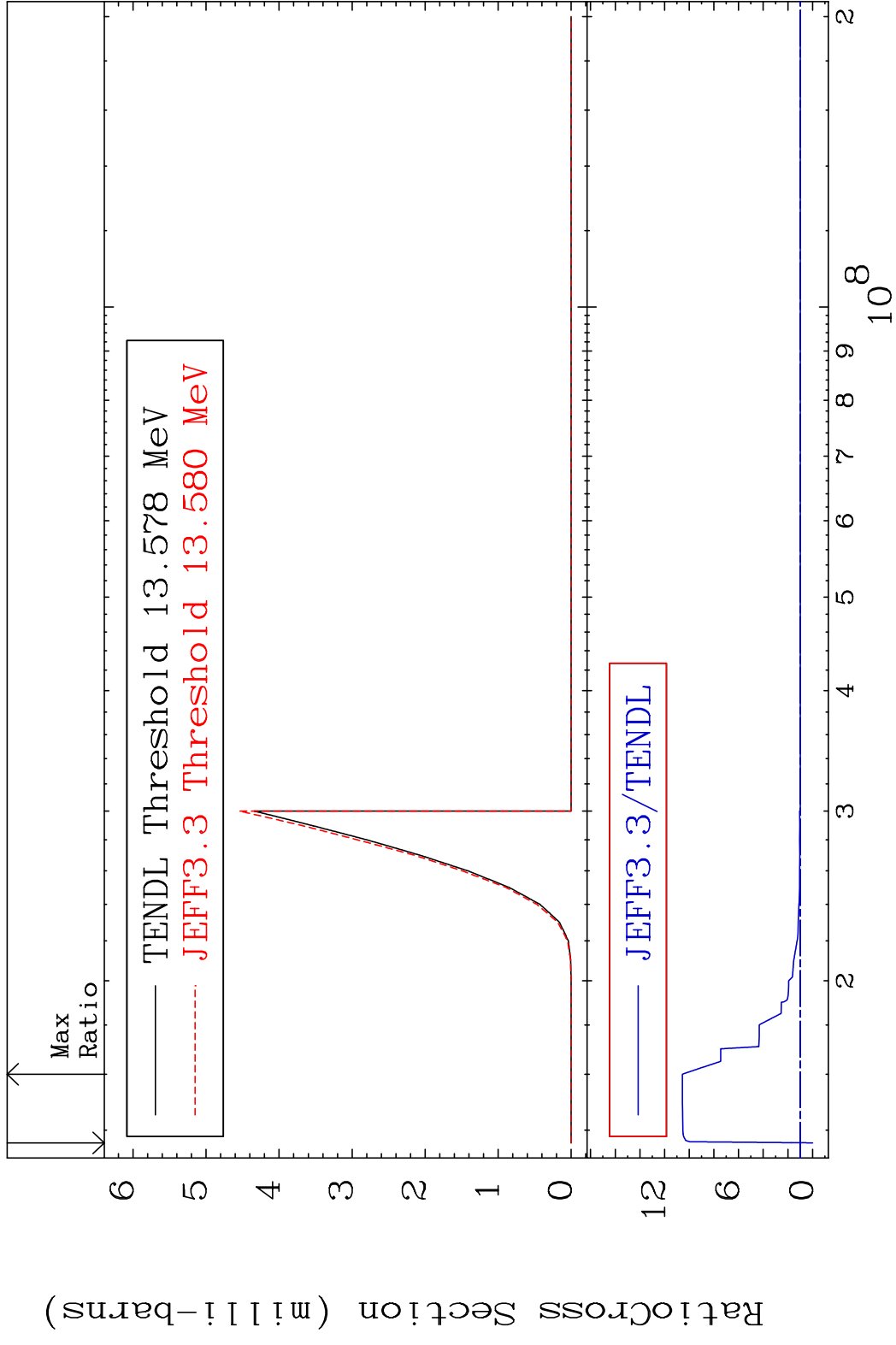


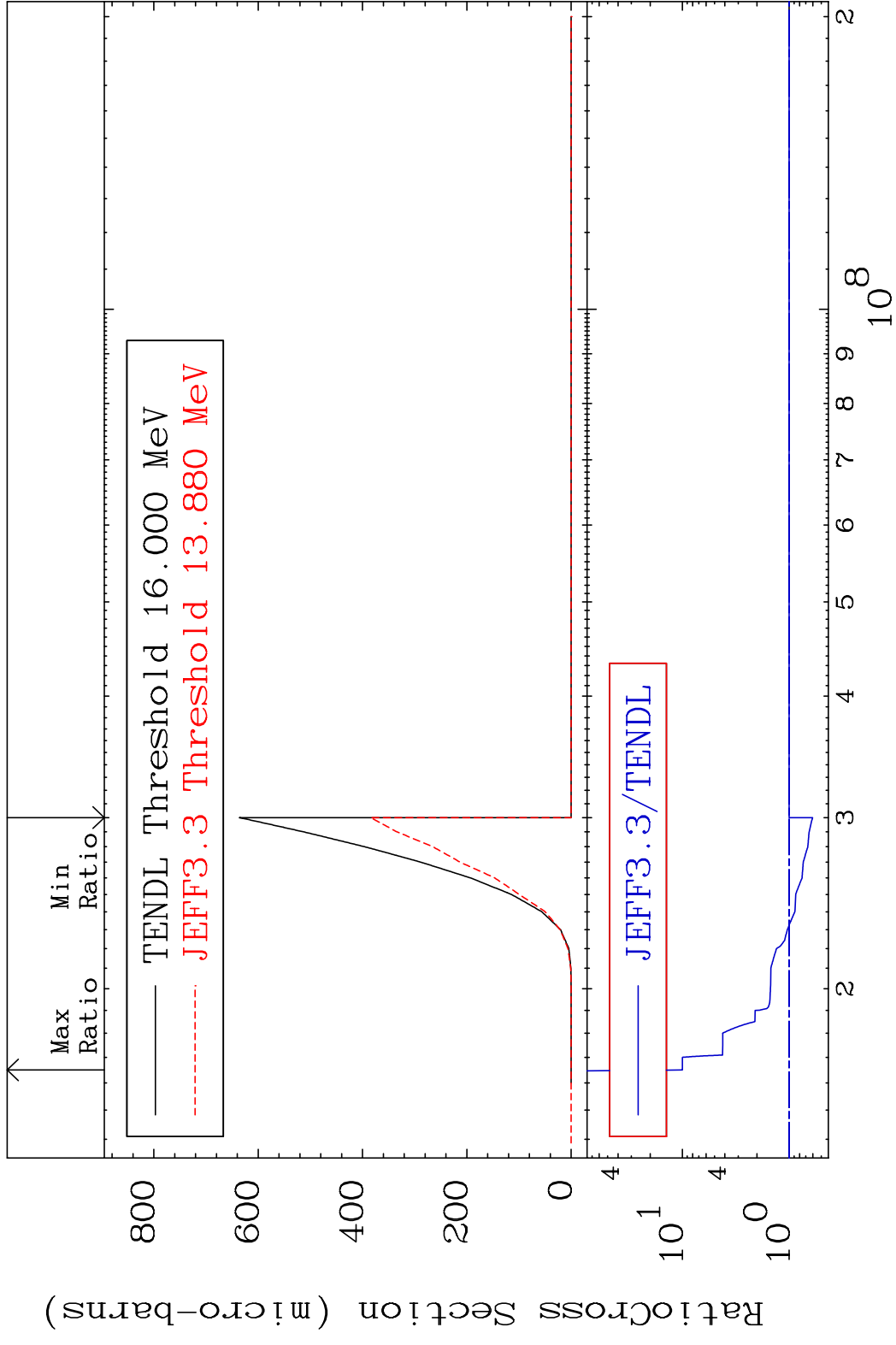
MAT 6837 (n, n') d:67-Ho-164g 68-Er-166
 Radionuclide Production Cross Section 180.01 dth 229.3 %

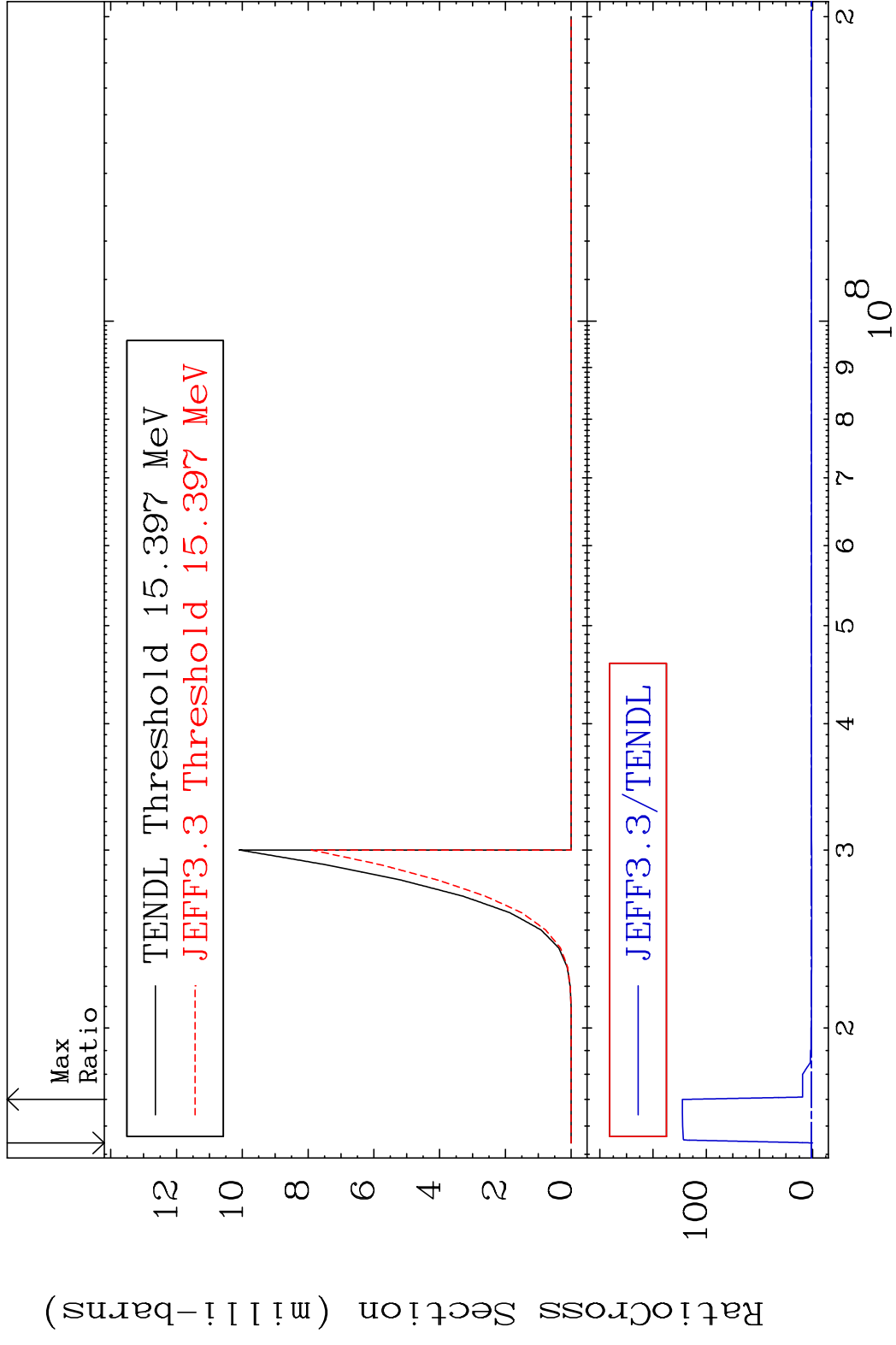


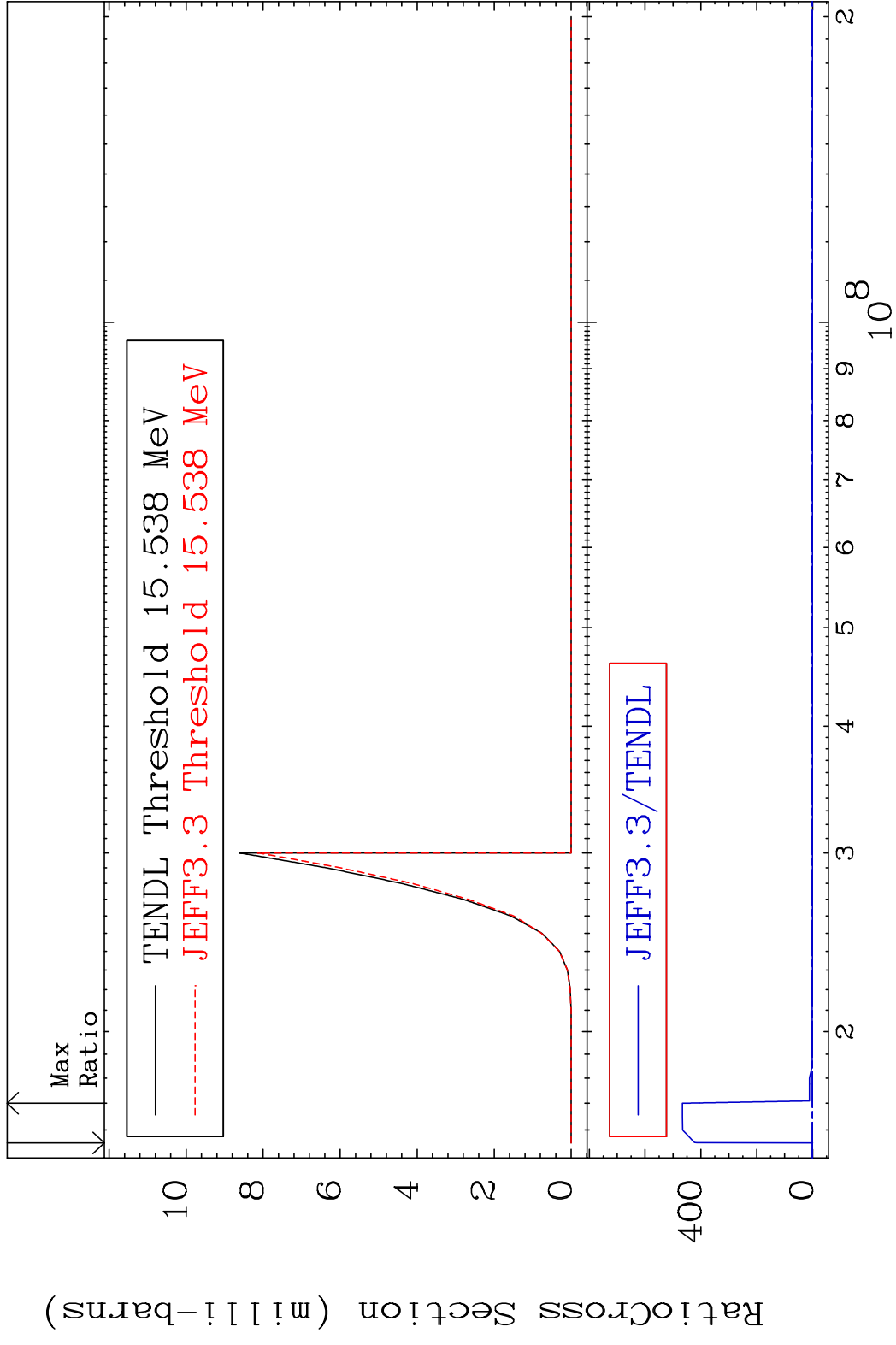


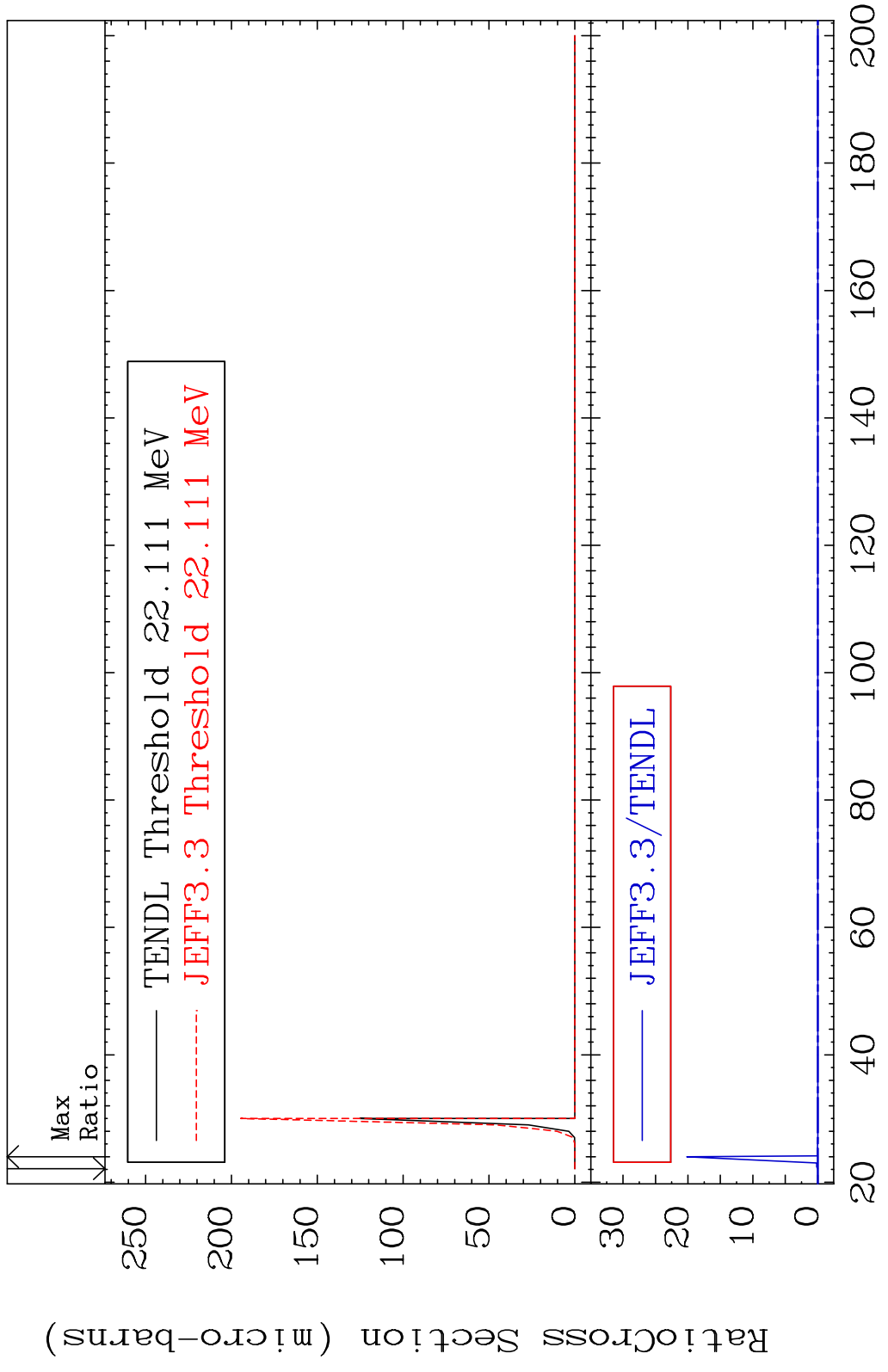
MAT 6837 (n, n') t:67-Ho-163g 68-Er-166
 Radionuclide Production Cross Section 1800 d to 955.8 %

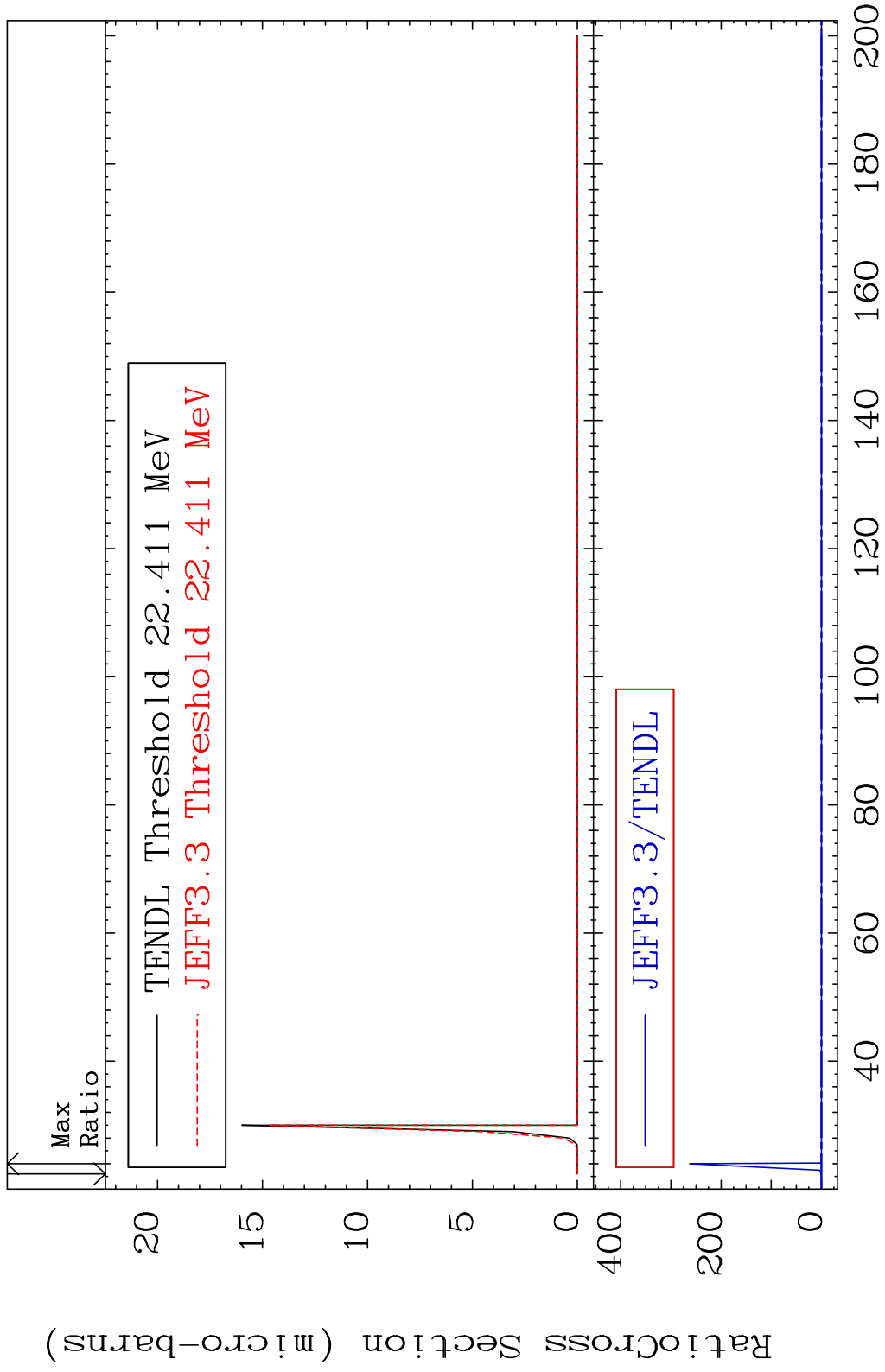


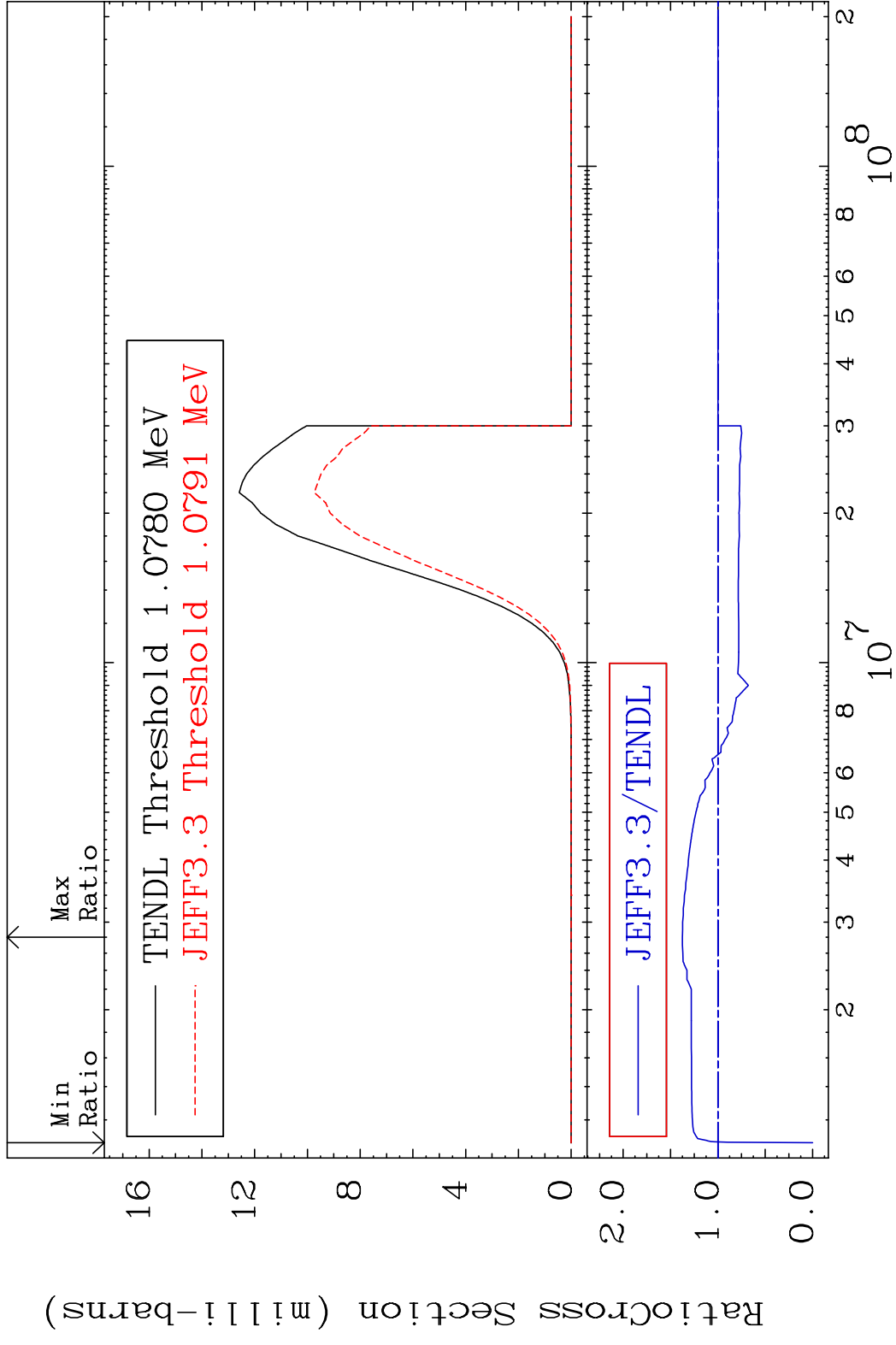


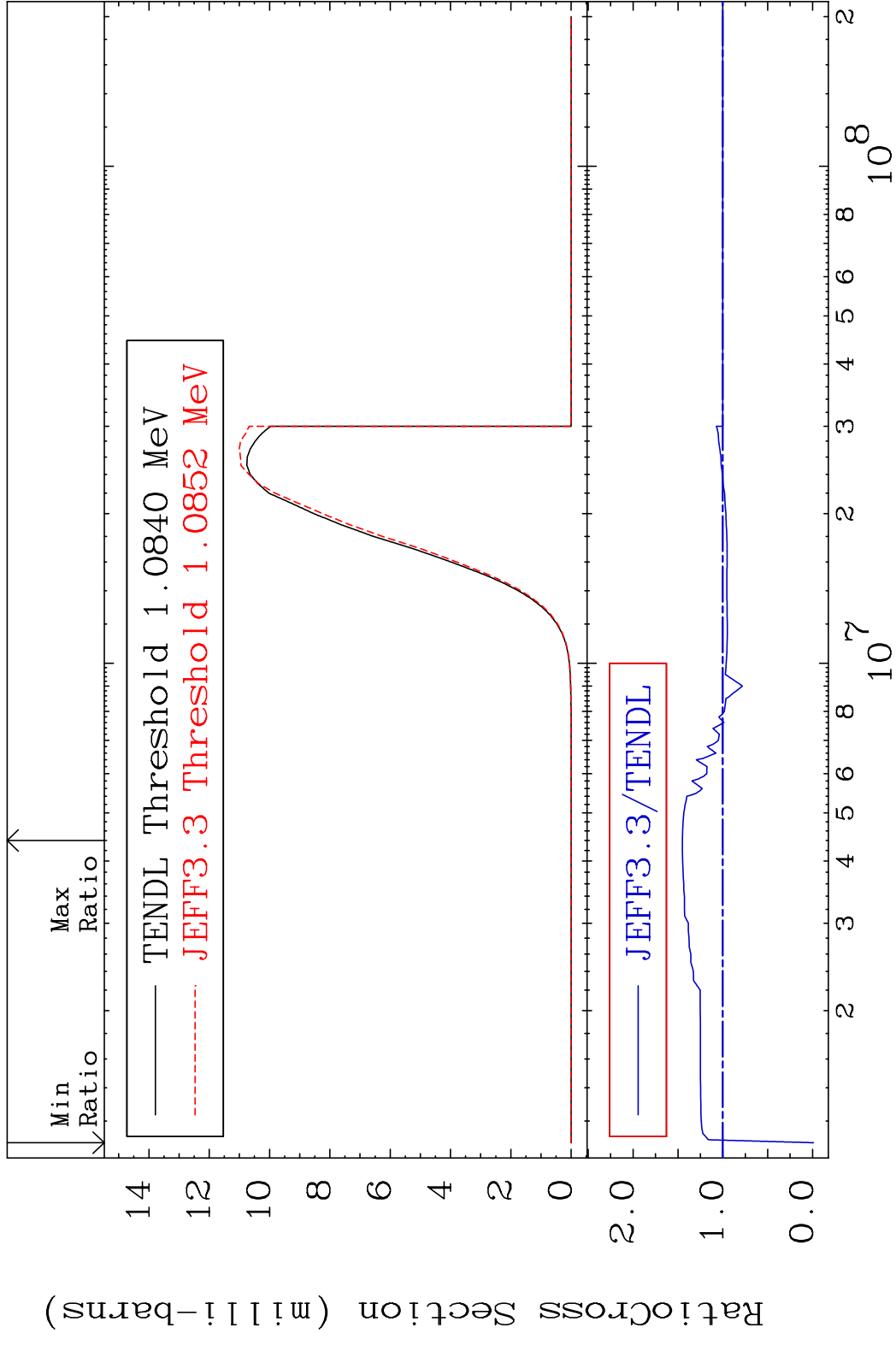




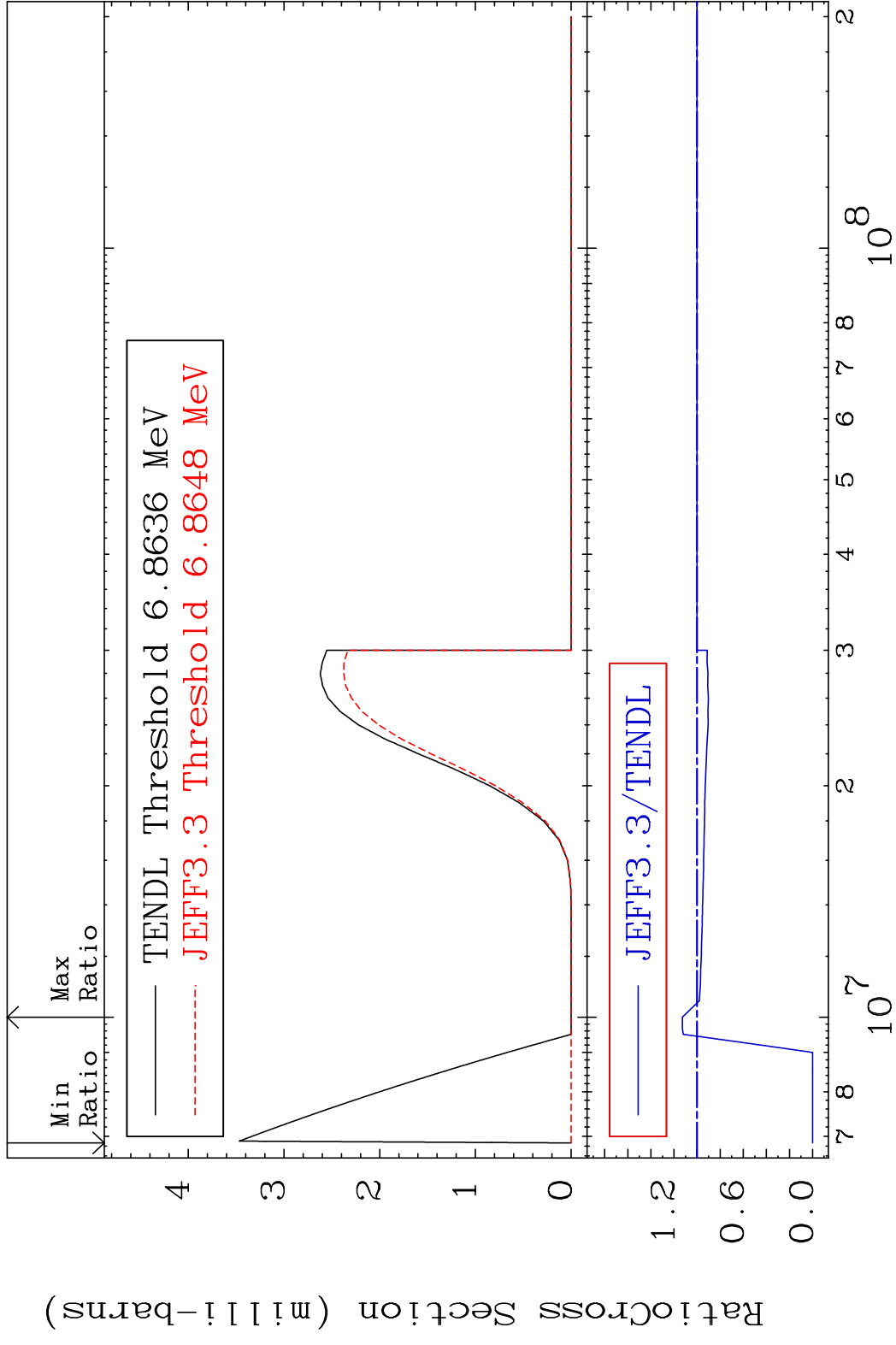


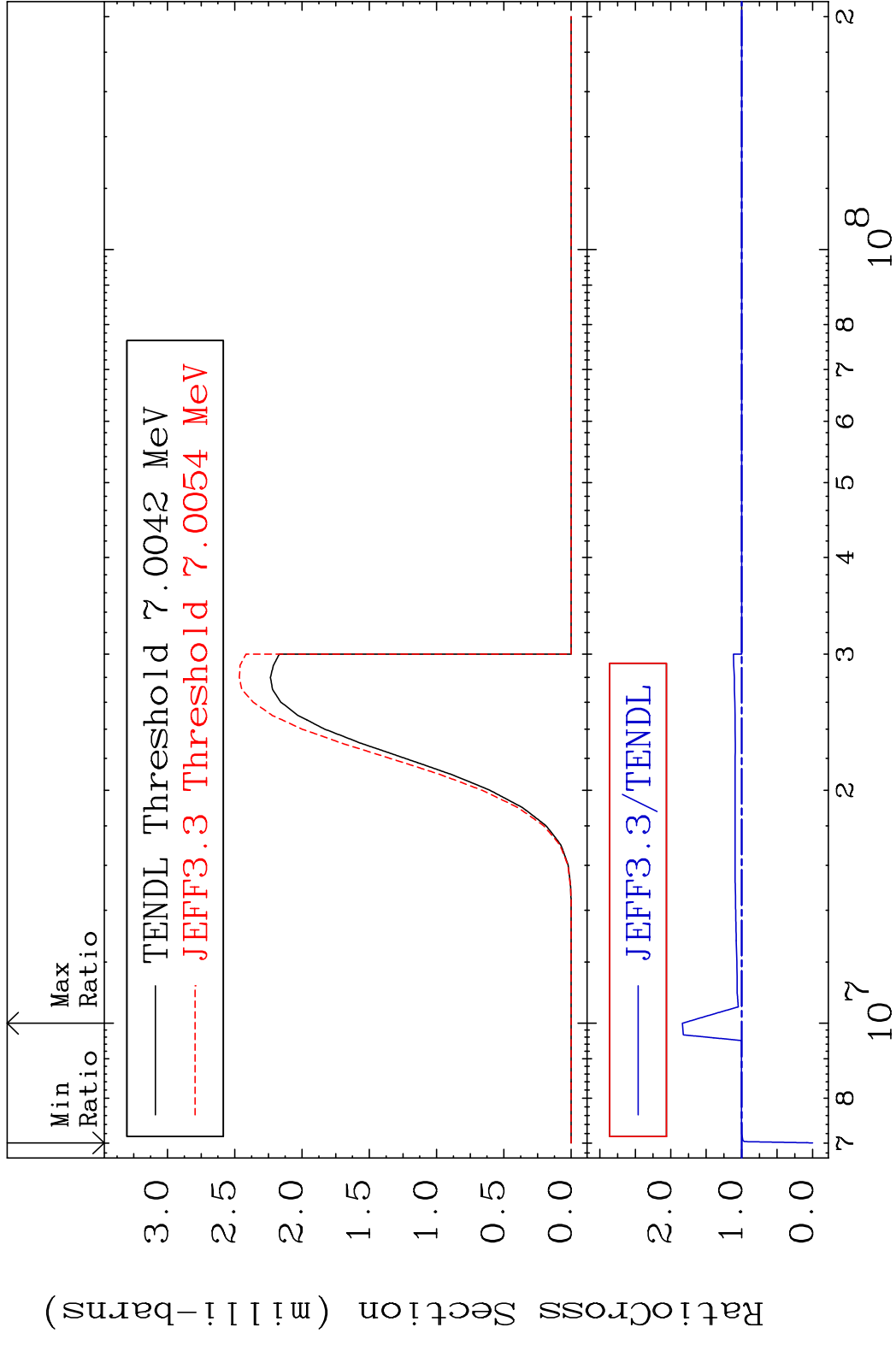




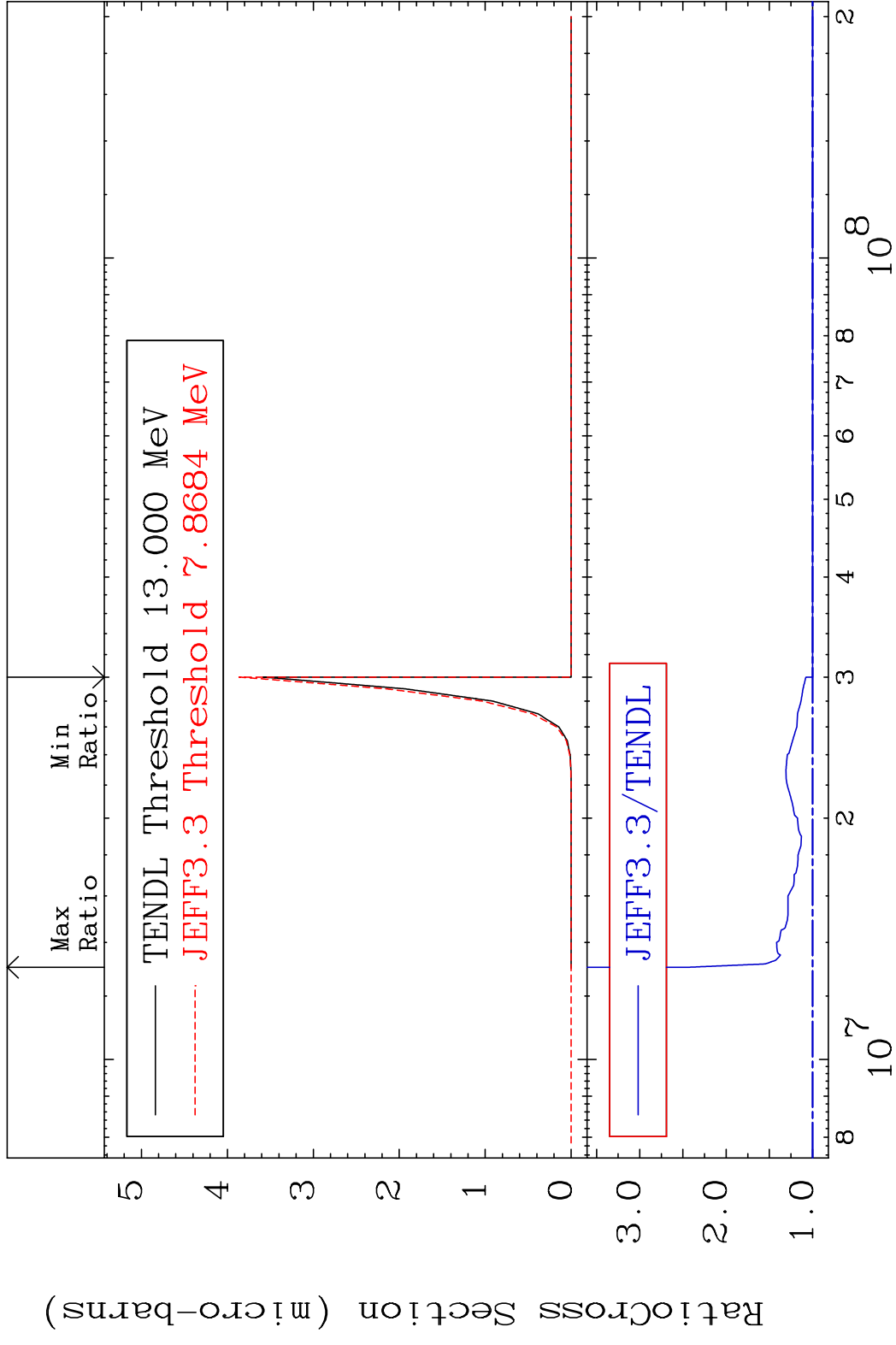


MAT 6837 (n, t):67-Ho-164g 68-Er-166
 Radionuclide Production Cross Section 180.01 dth 12.76 %





MAT 6837 (n,2p):66-Dy-165g 68-Er-166
 Radionuclide Production Cross Section 150.7 %



80 Incident Energy (eV) 68-Er-166

