

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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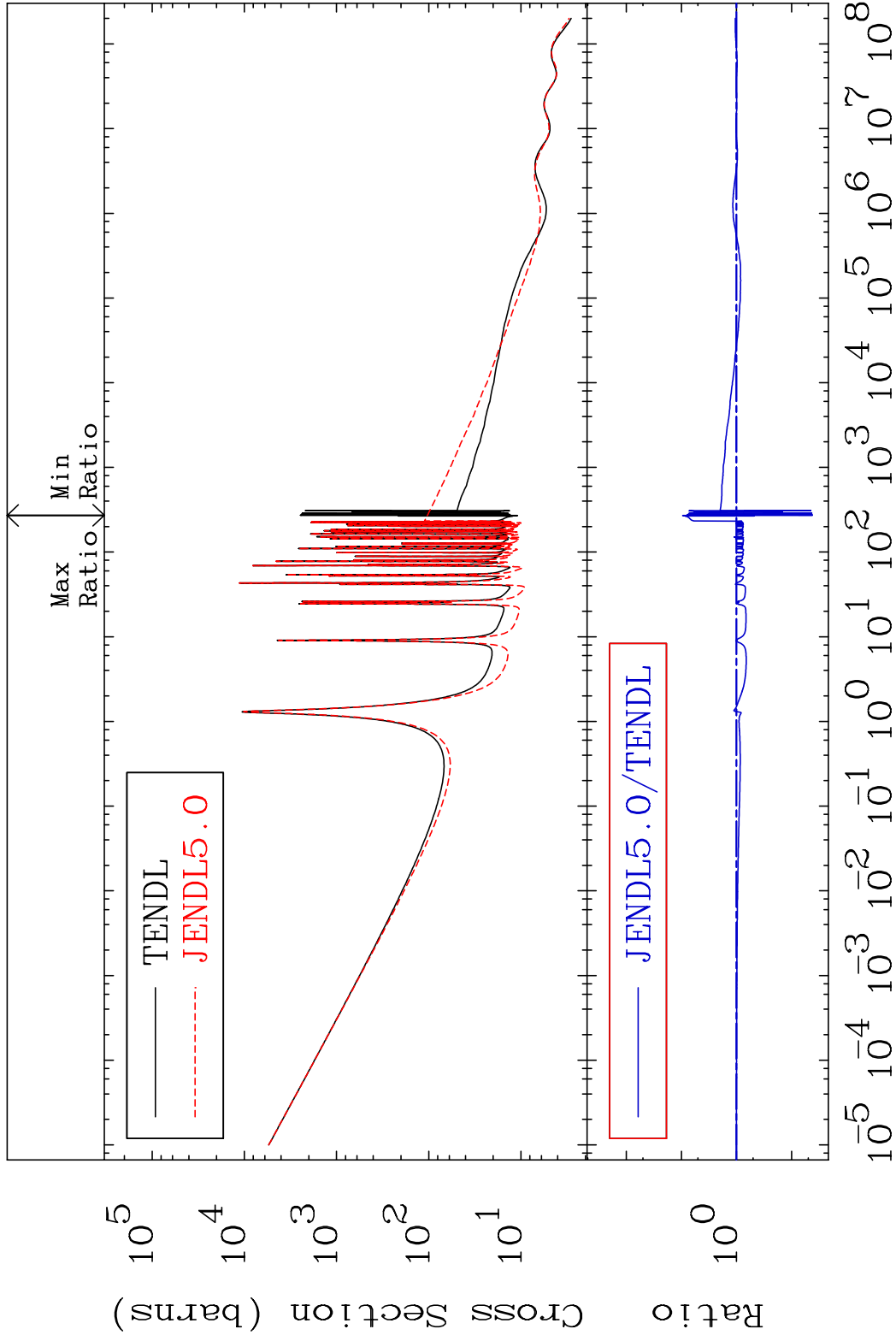
Press Mouse Button to Start

MAT 7731

Total

77-Ir-193

Cross Section -95.82 To 860.1 %



1

Incident Energy (eV)

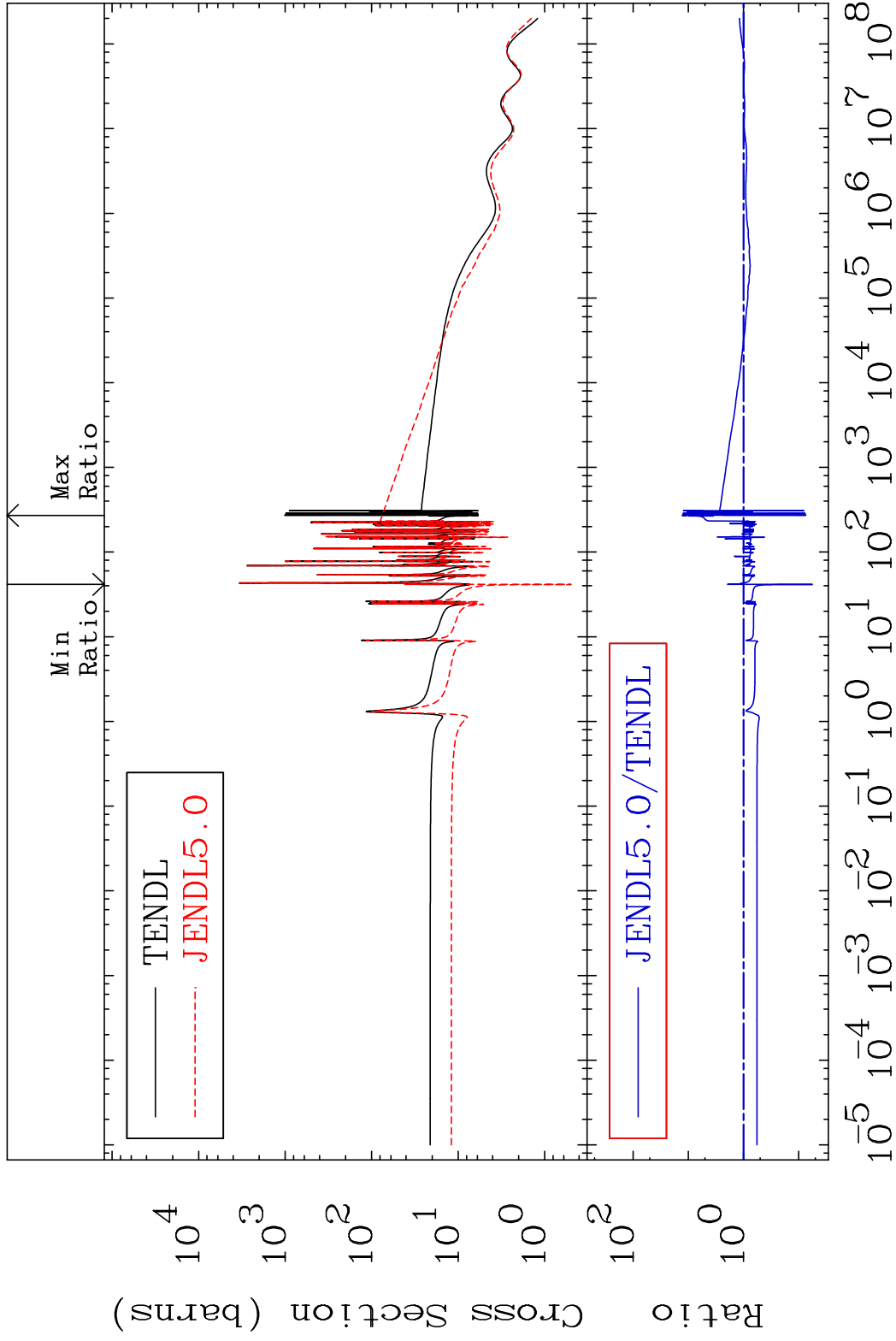
77-Ir-193

MAT 7731

Elastic

77-Ir-193

Cross Section -94.40 To 1184. %



2

Incident Energy (eV)

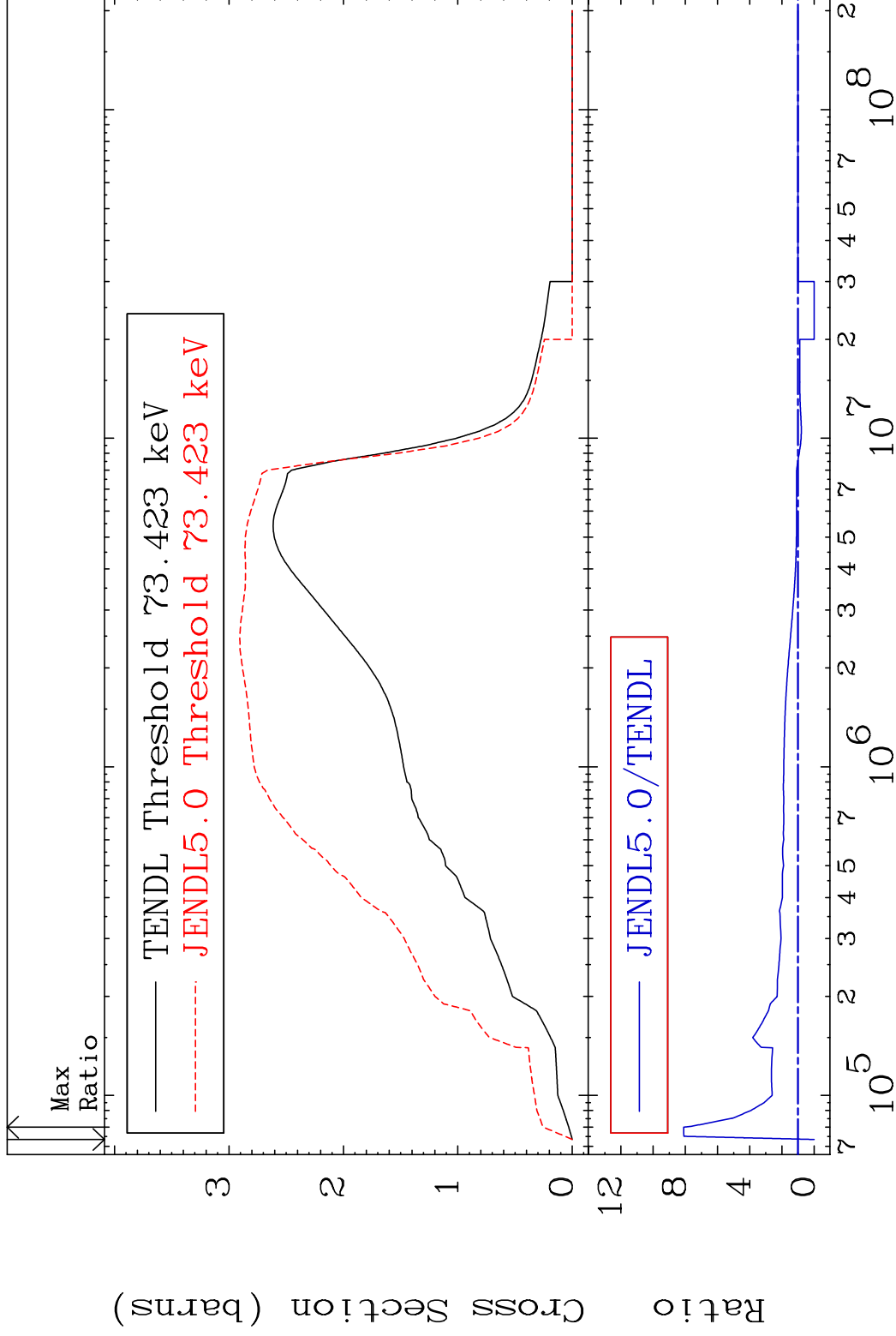
77-Ir-193

MAT 7731

Inelastic

77-Ir-193

Cross Section -100.0 To 710.4 %



3

Incident Energy (eV)

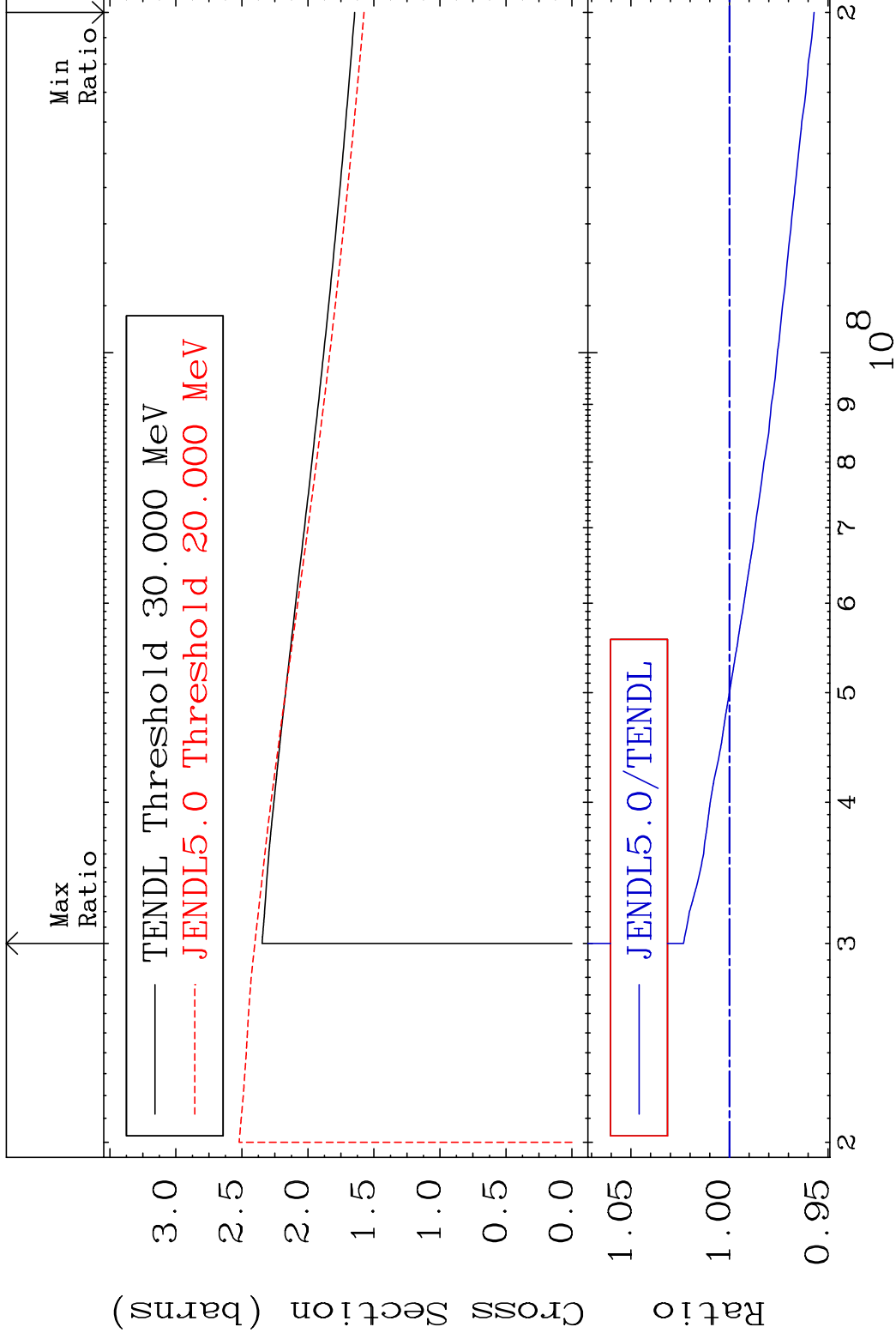
77-Ir-193

MAT 7731

(n, remainder)

77-Ir-193

Cross Section -4.295 To 2.335 %



4

Incident Energy (eV)

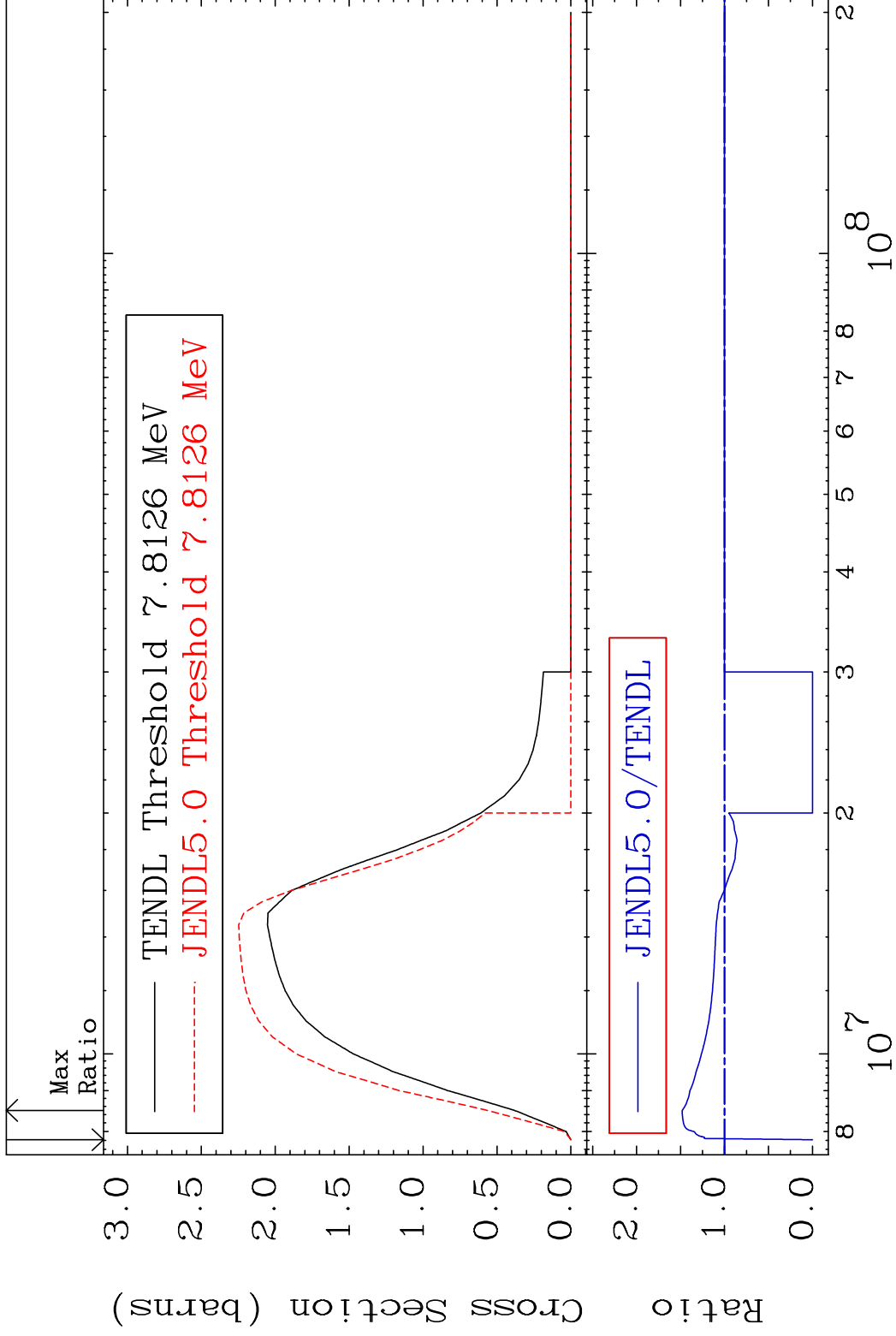
77-Ir-193

MAT 7731

(n,2n)

77-Ir-193

Cross Section -100.0 To 48.17 %



5

Incident Energy (eV)

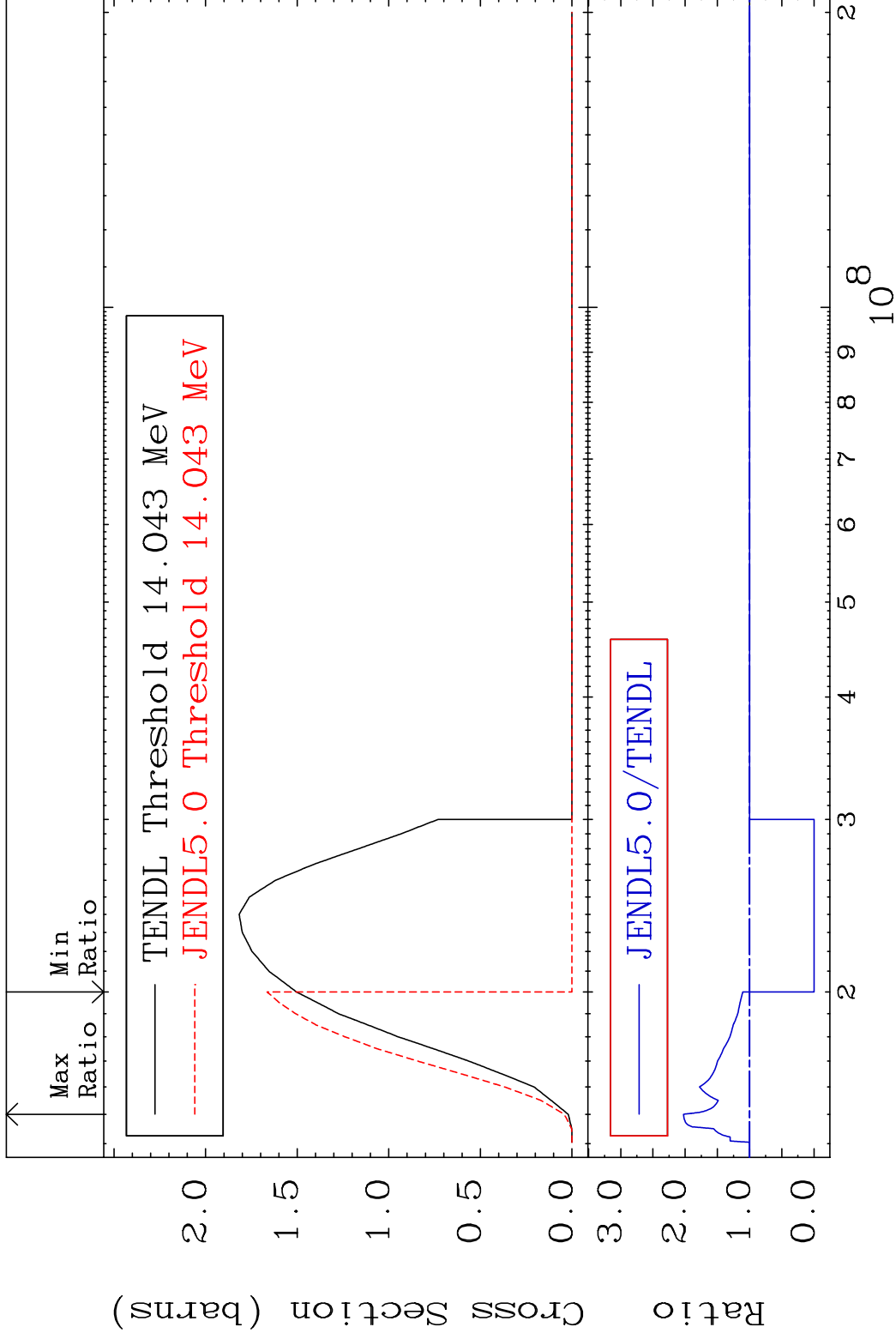
77-Ir-193

MAT 7731

(n,3n)

77-Ir-193

Cross Section -100.0 To 102.6 %

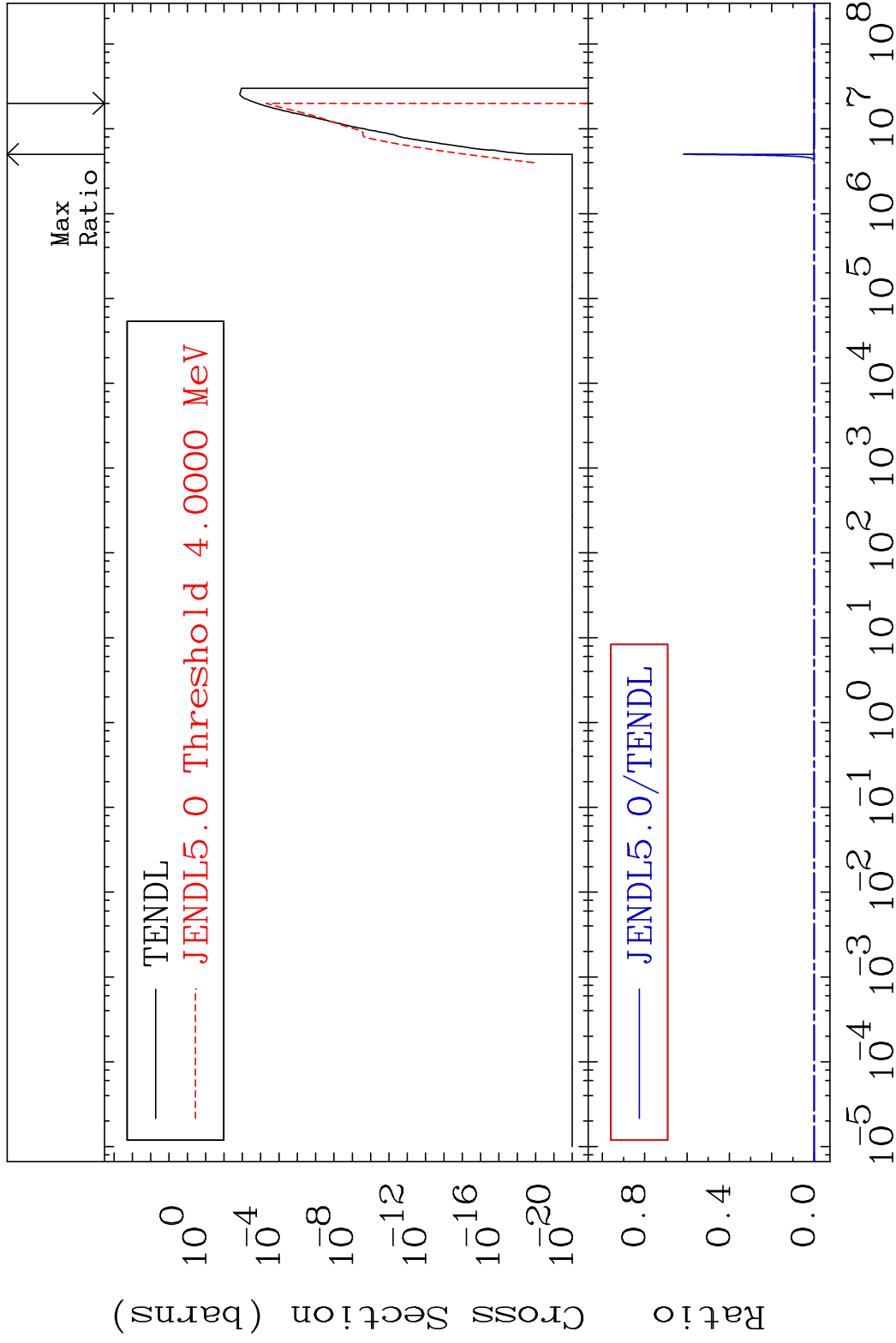


MAT 7731

(n, n') α

77-Ir-193

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

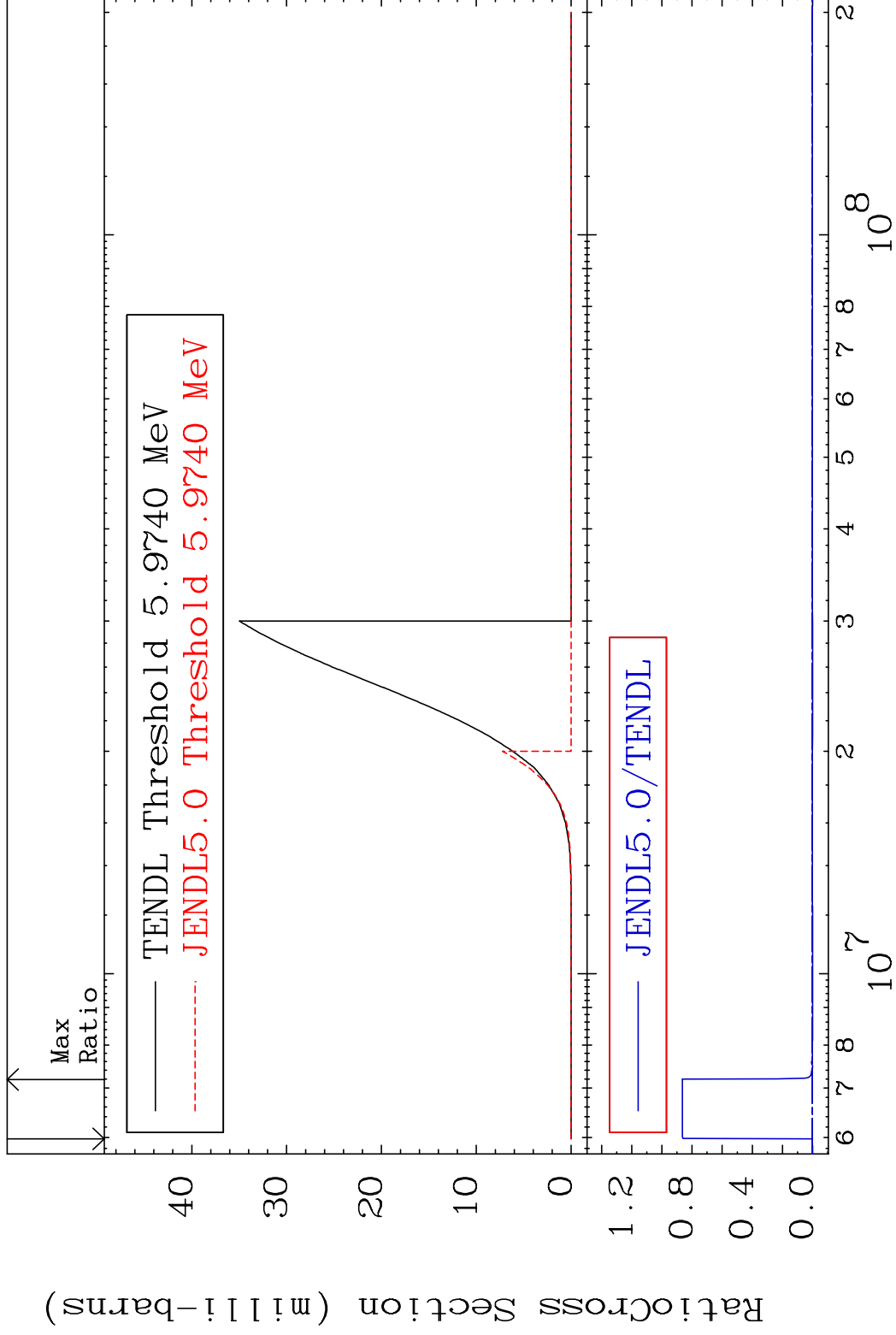
77-Ir-193

MAT 7731

(n, n') p

77-Ir-193

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

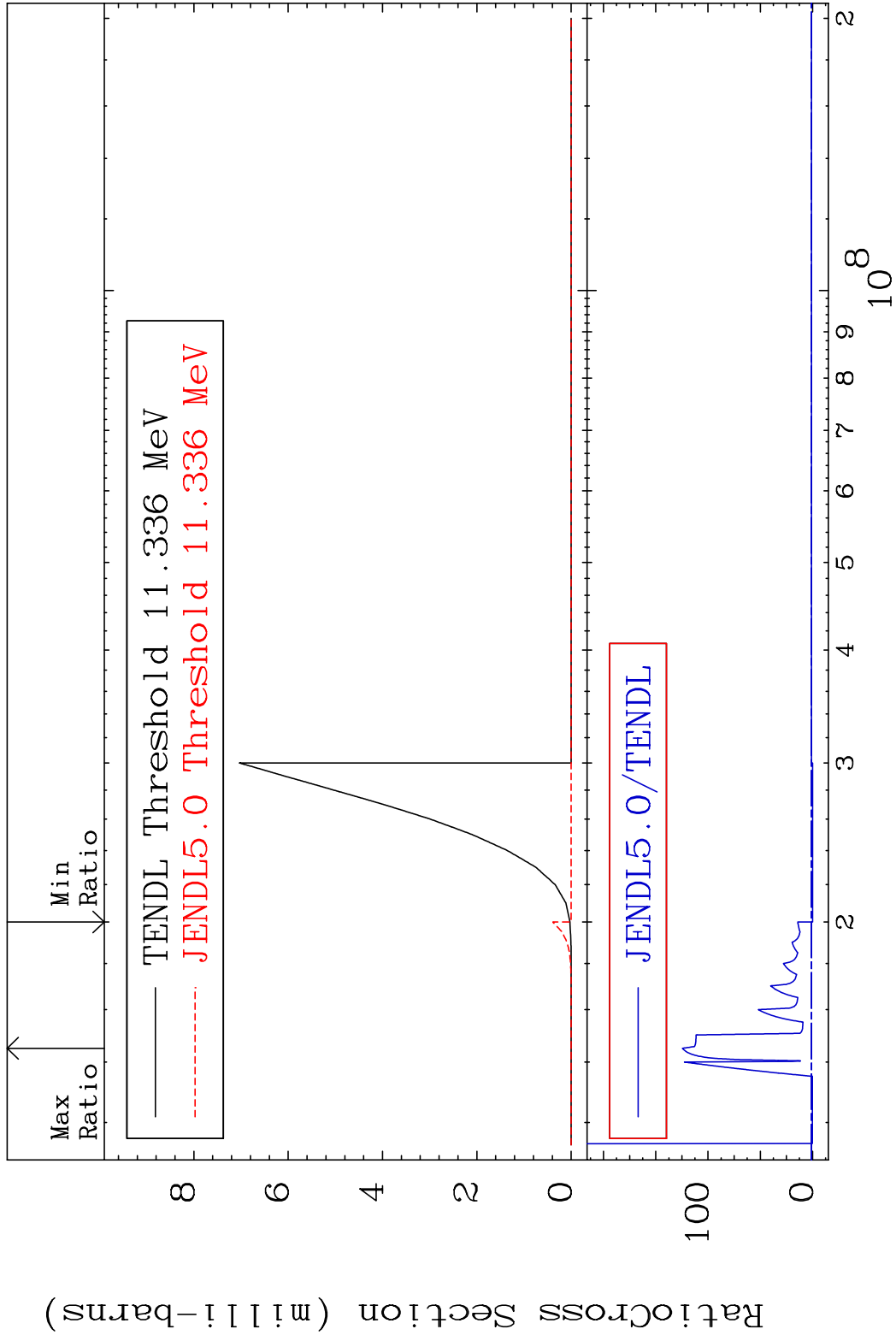
77-Ir-193

MAT 7731

(n, n') d

77-Ir-193

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

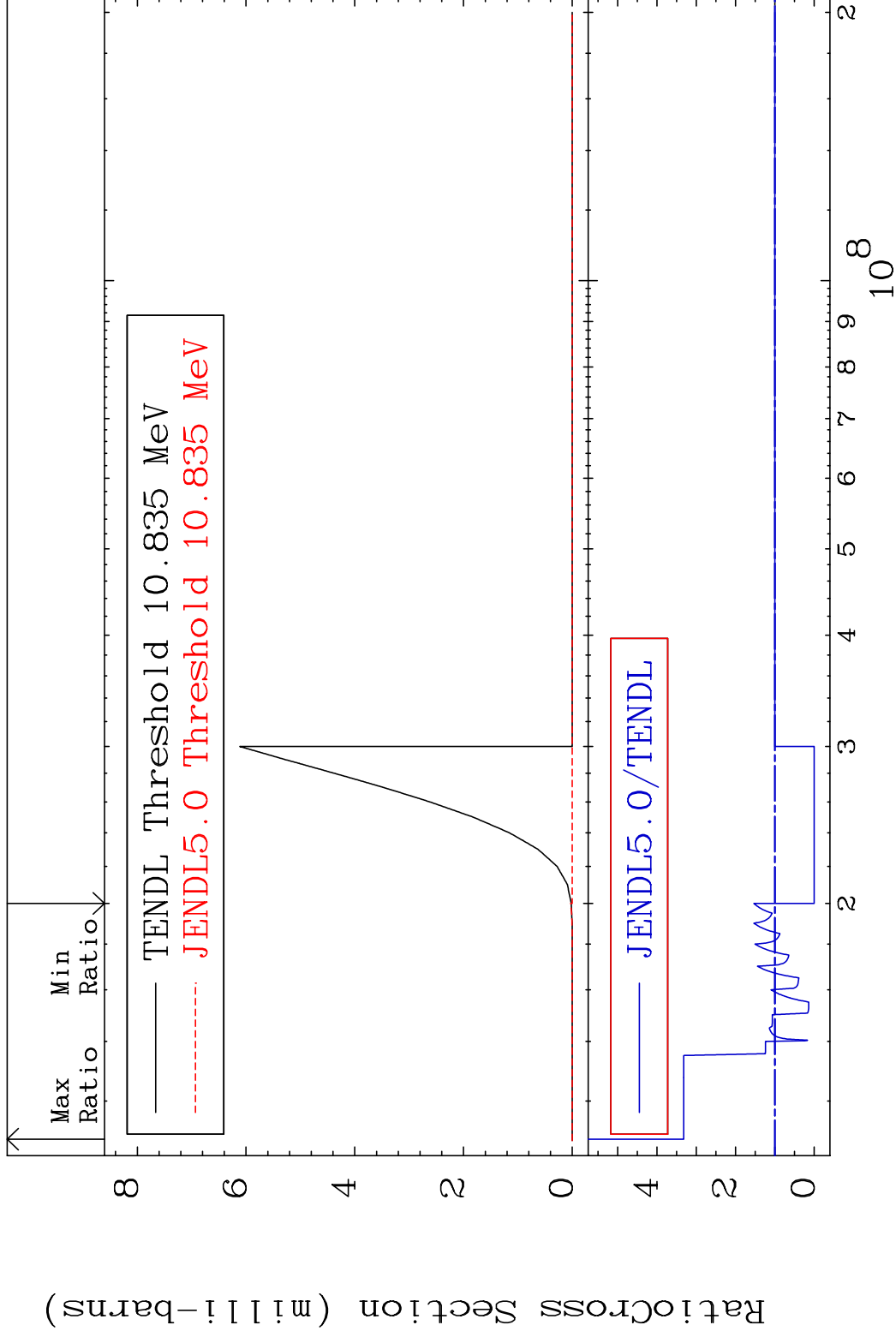
77-Ir-193

MAT 7731

(n, n') t

77-Ir-193

Cross Section -100.0 To 231.9 %



10

Incident Energy (eV)

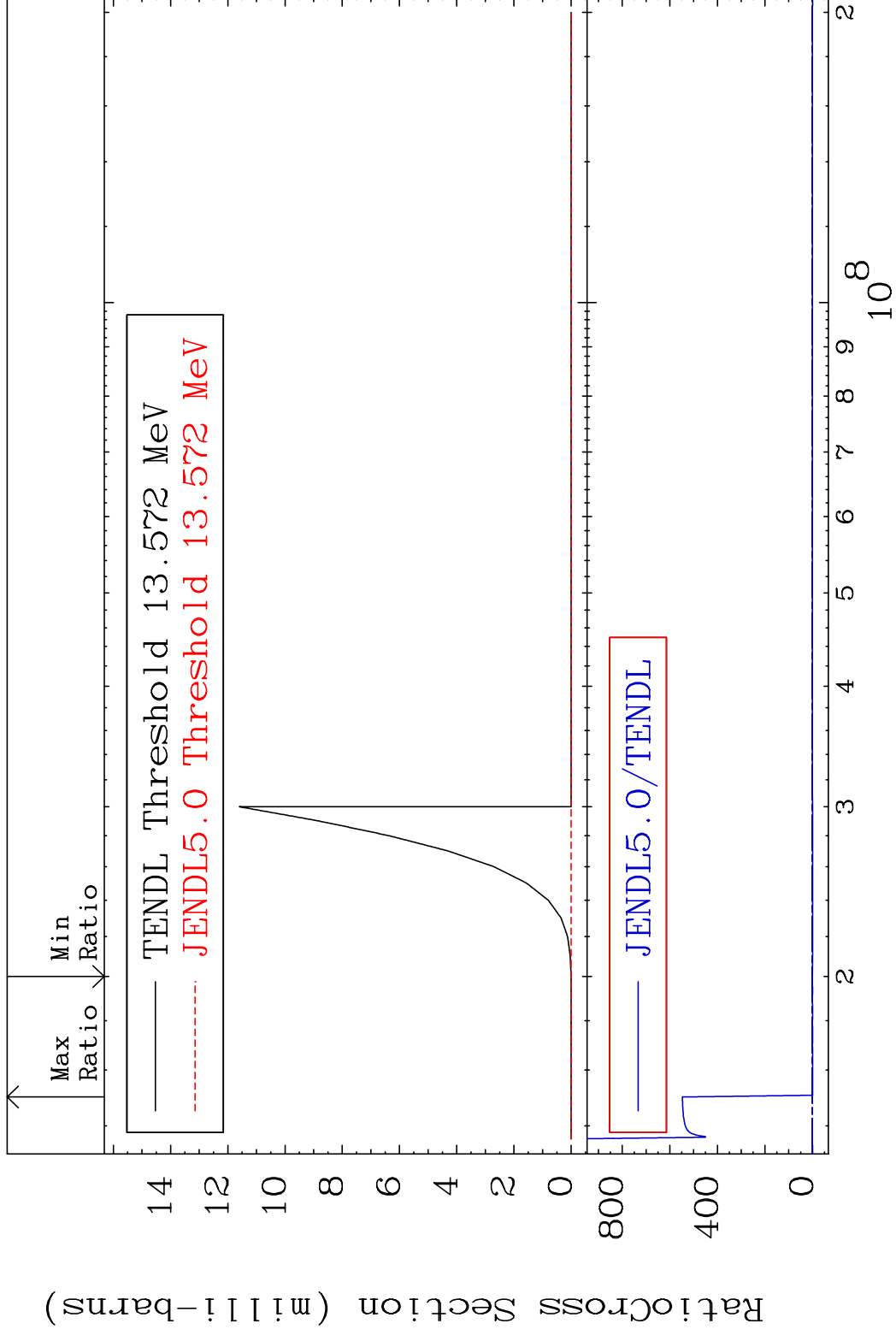
77-Ir-193

MAT 7731

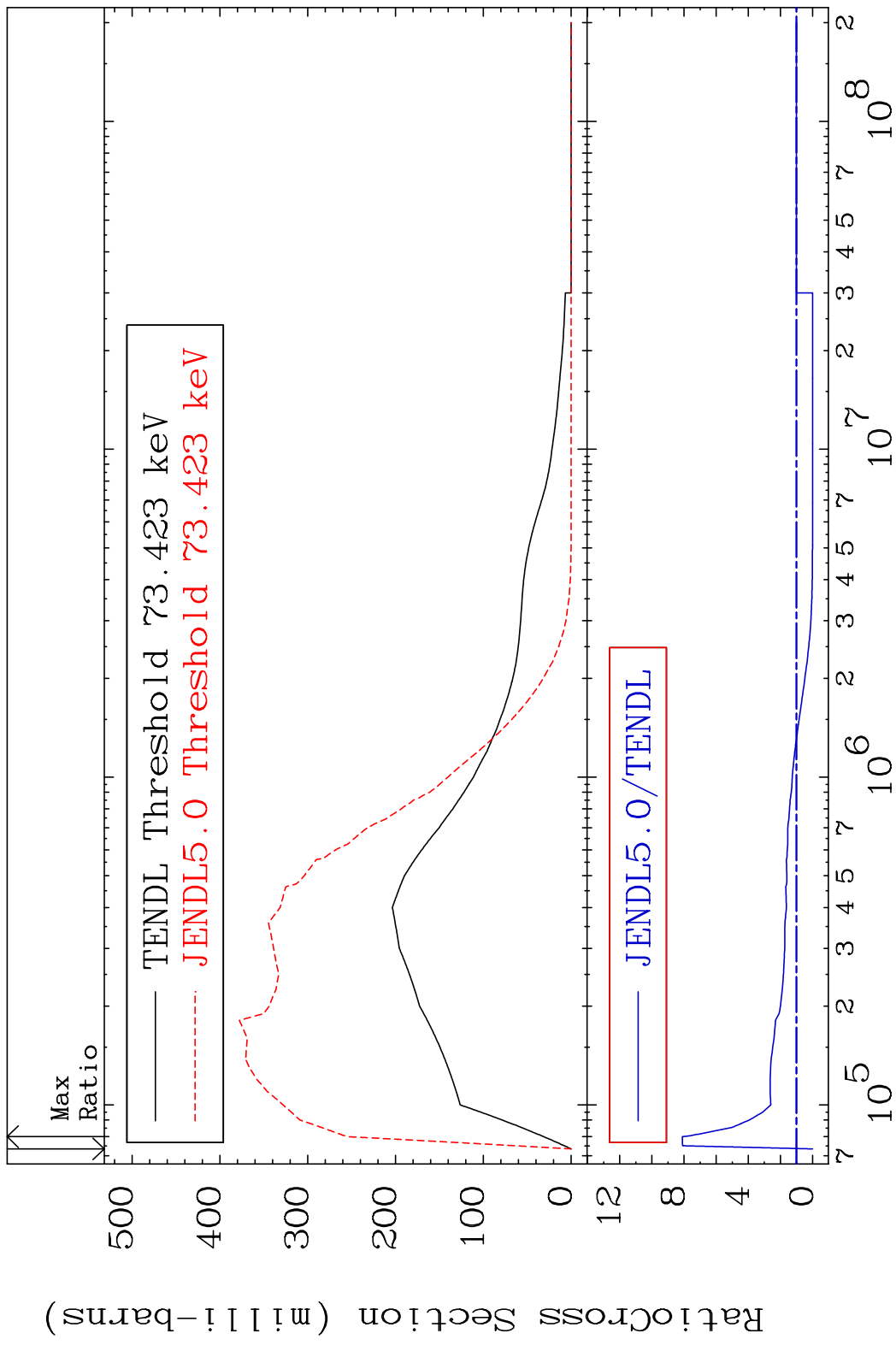
(n,2n) p

77-Ir-193

Cross Section -100.0 To 9999. %

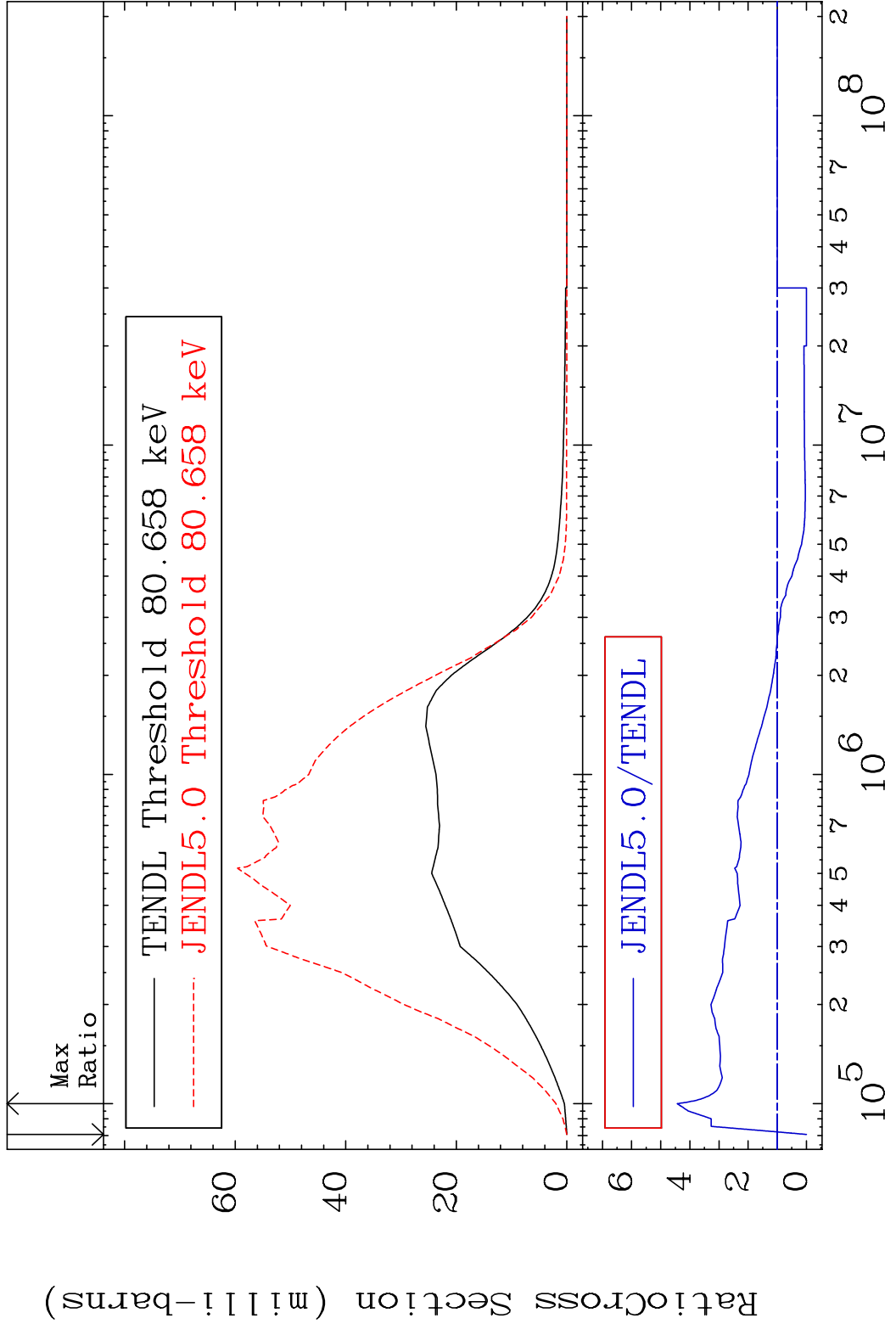


MAT 7731 MT= 51 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 710.4 %

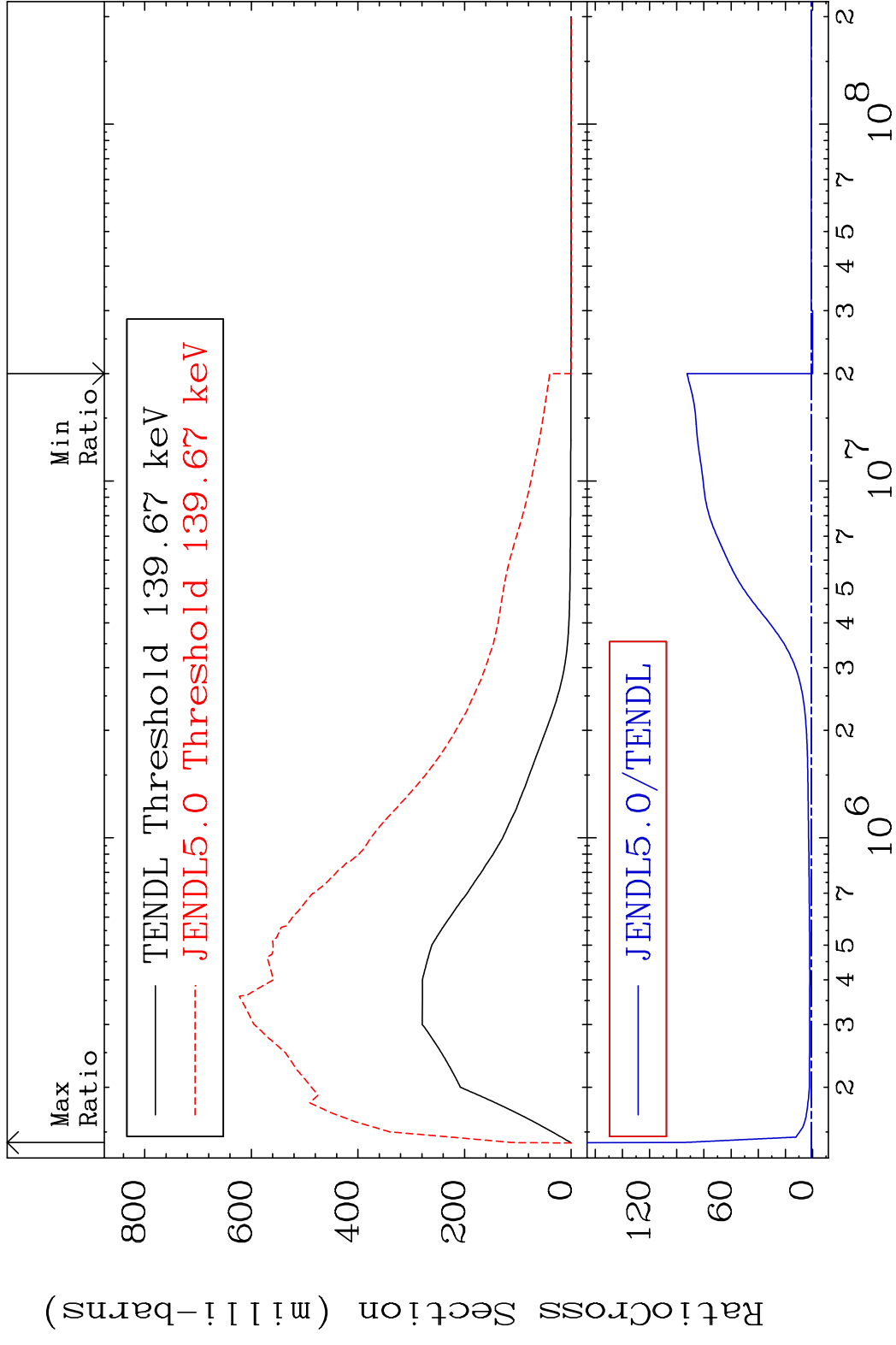


12 77-Ir-193

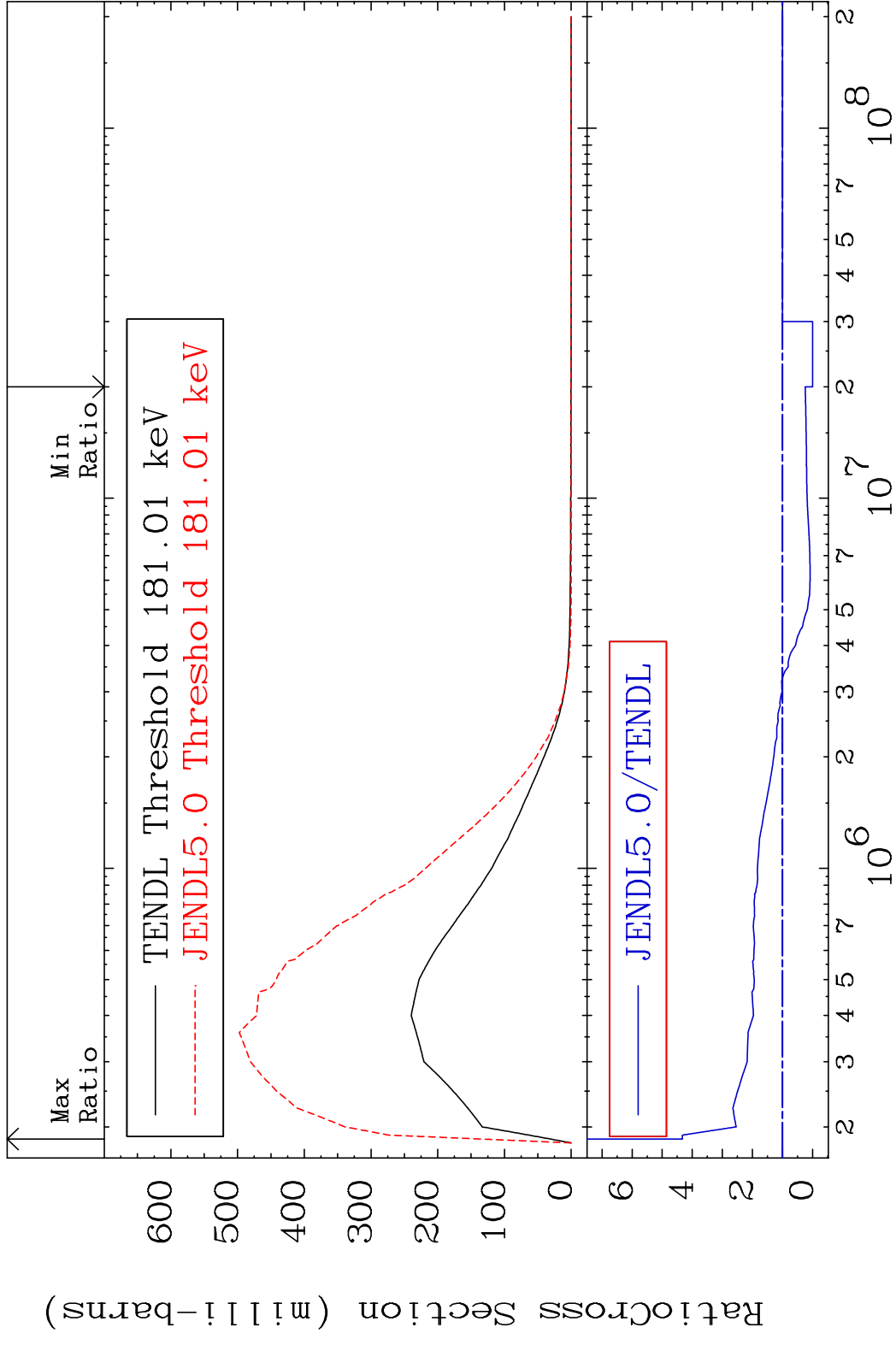
MAT 7731 MT= 52 (n,n') Level 77-Ir-193
 Cross Section -100.0 To 343.5 %



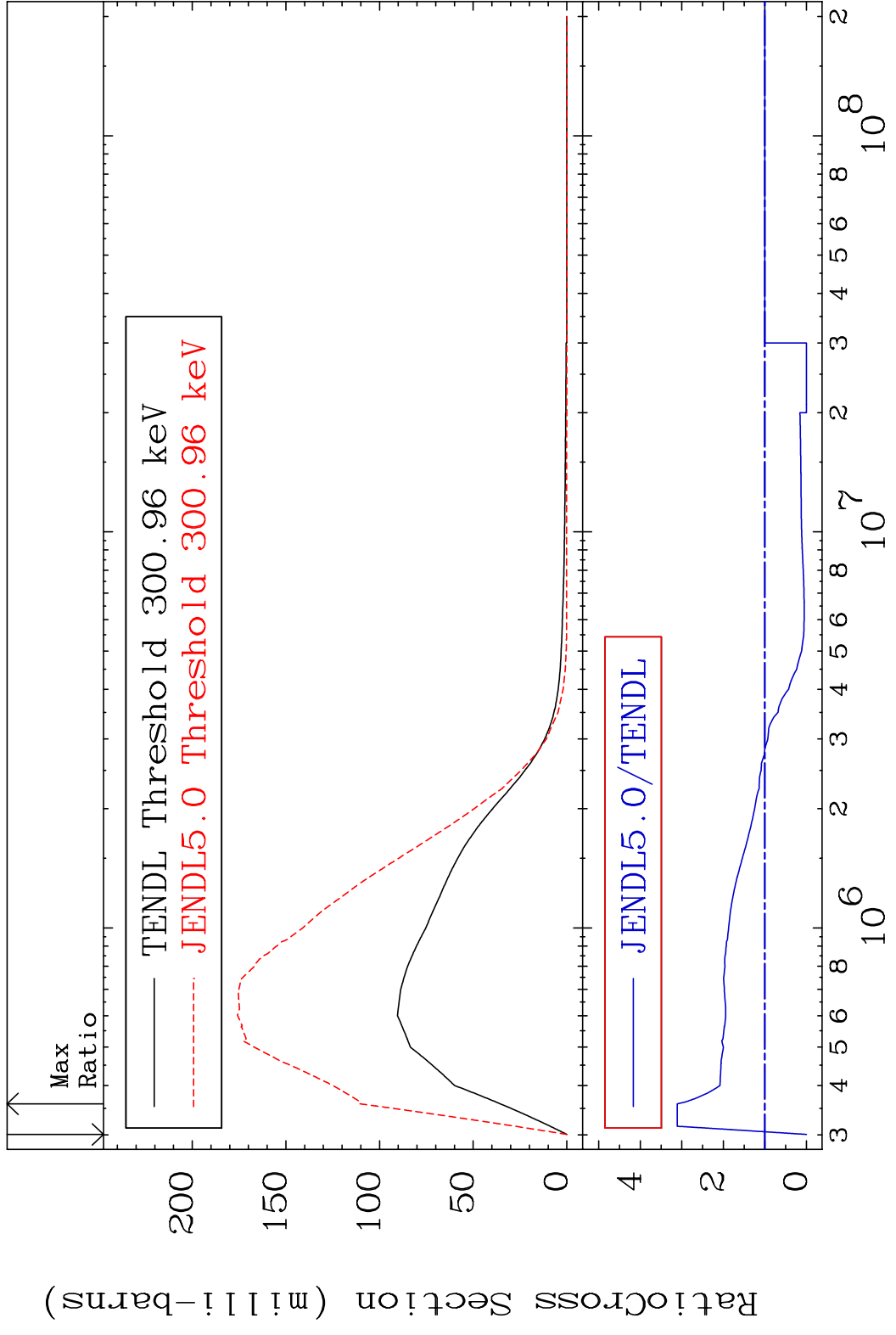
MAT 7731 MT= 53 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 9489. %



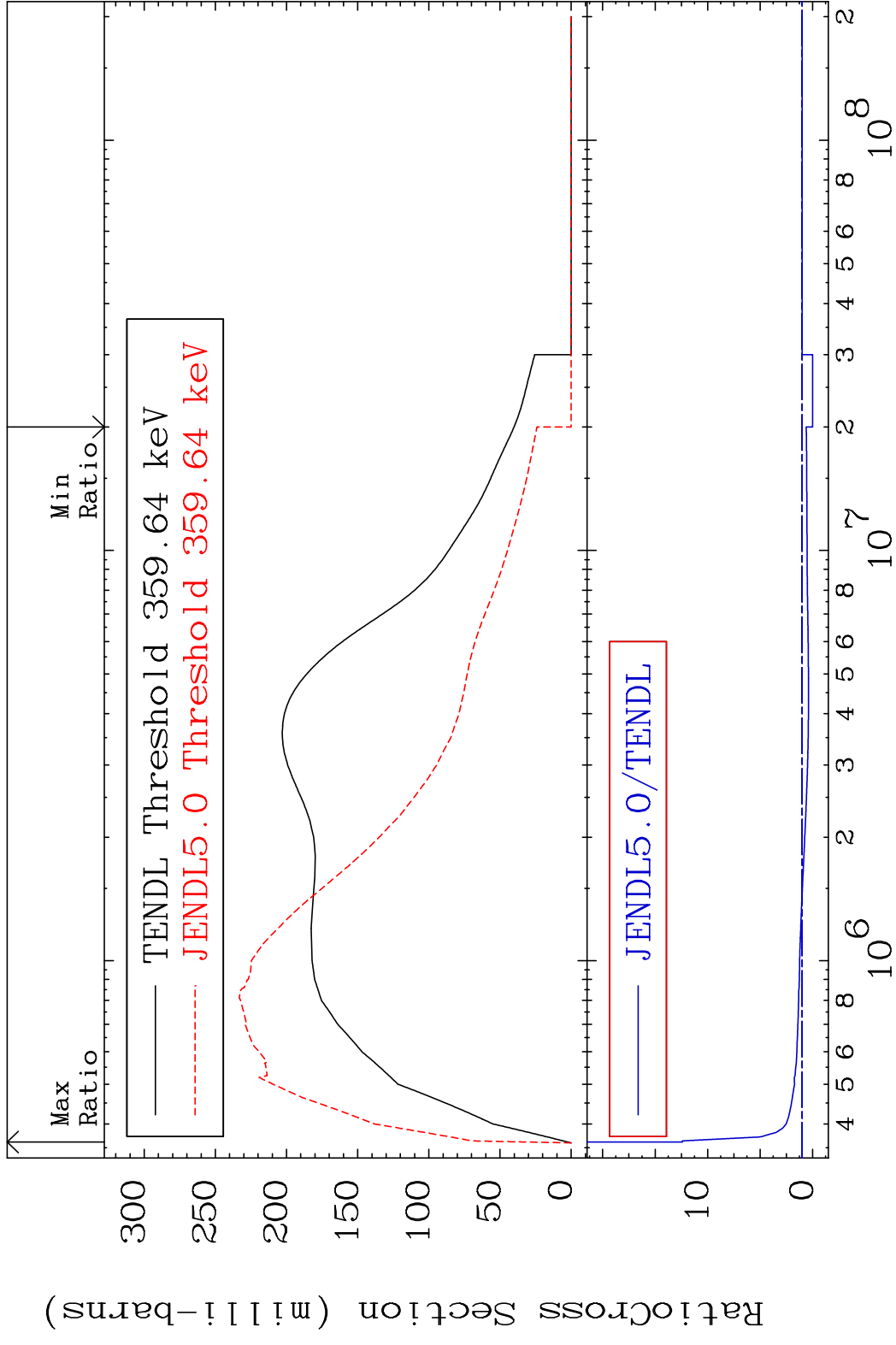
MAT 7731 MT= 54 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 333.0 %



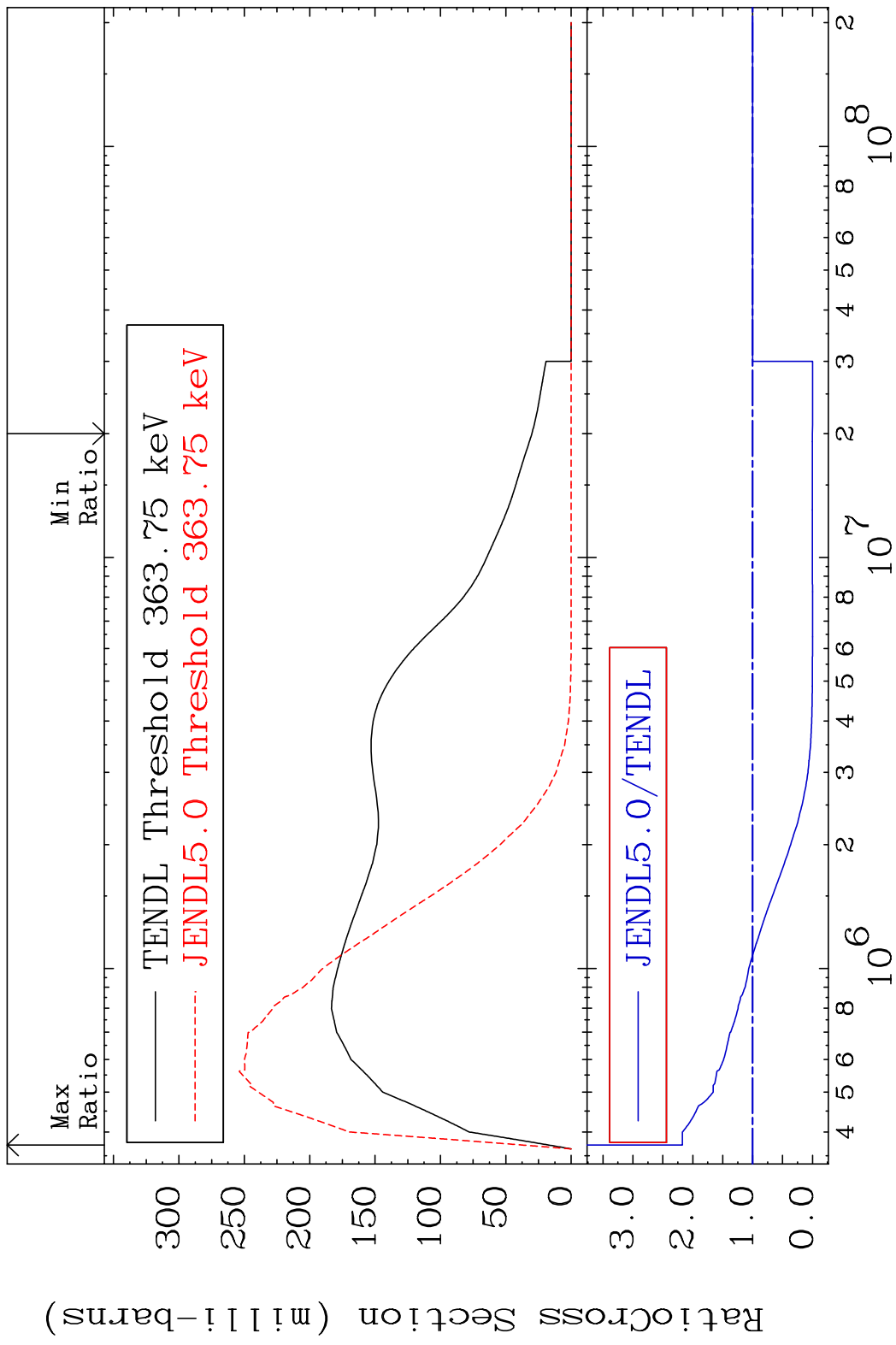
MAT 7731 MT= 55 (n,n') Level 77-Ir-193
 Cross Section -100.0 To 211.1 %



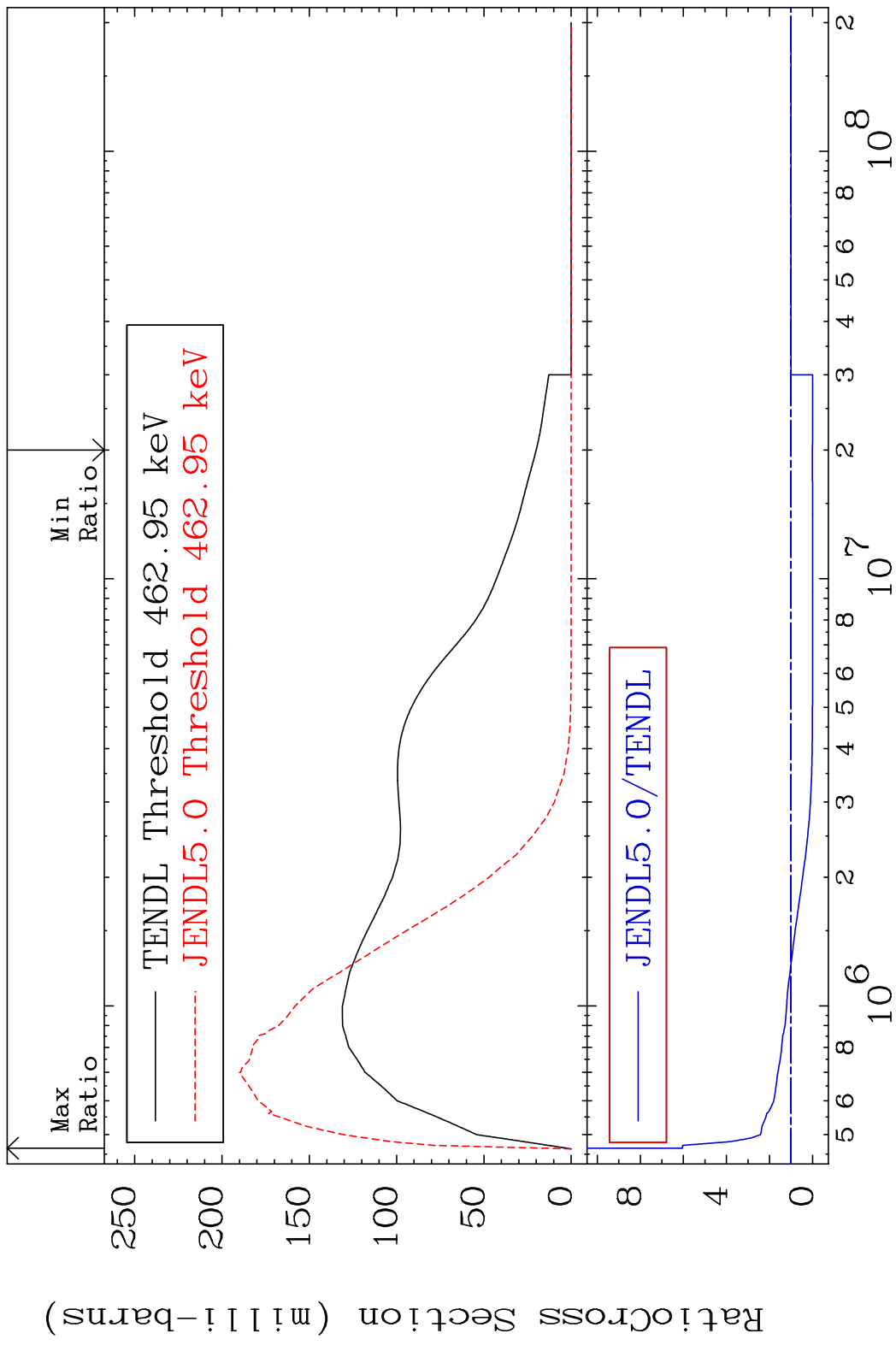
MAT 7731 MT= 56 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 1141. %



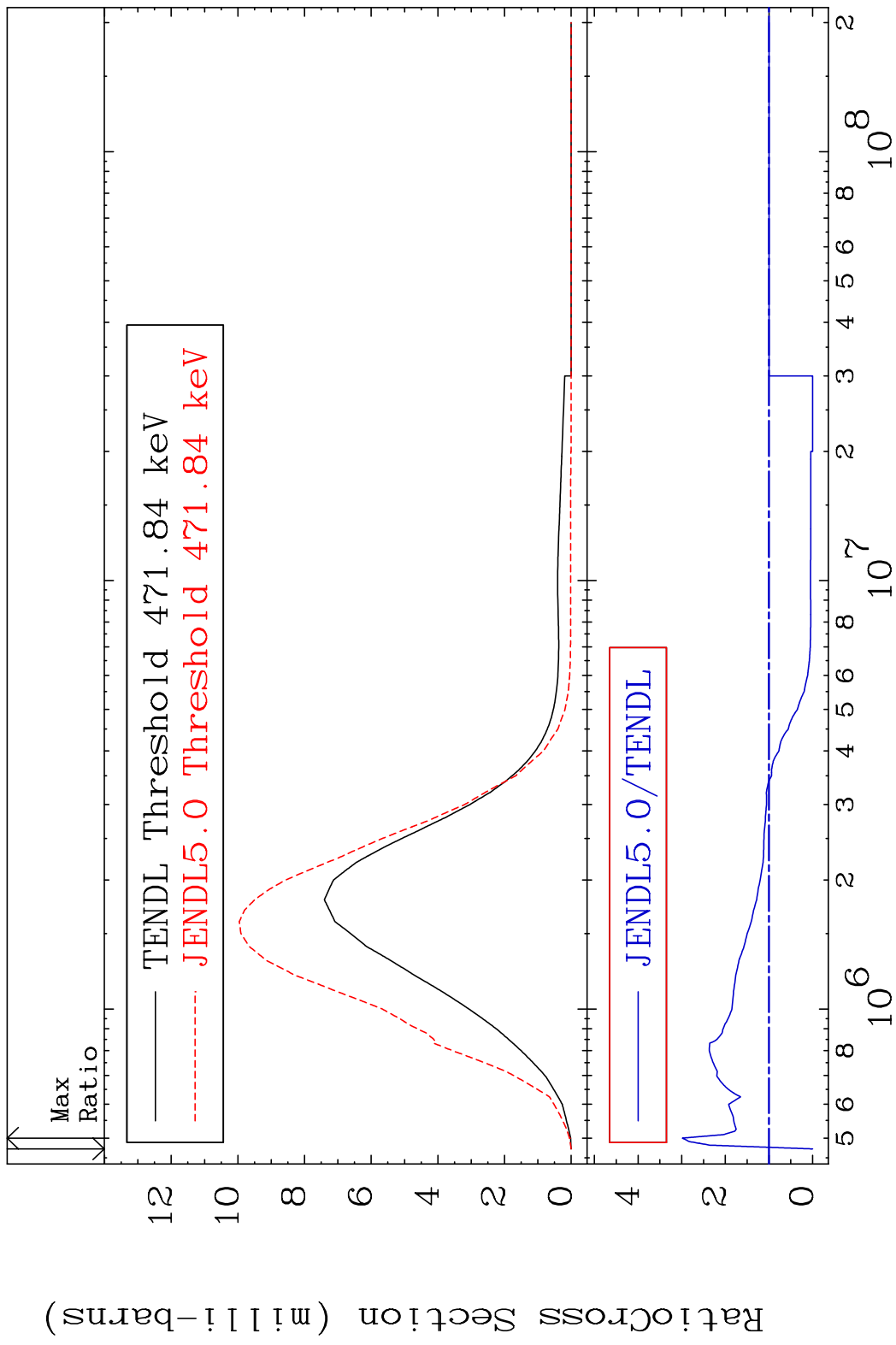
MAT 7731 MT= 57 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 117.4 %



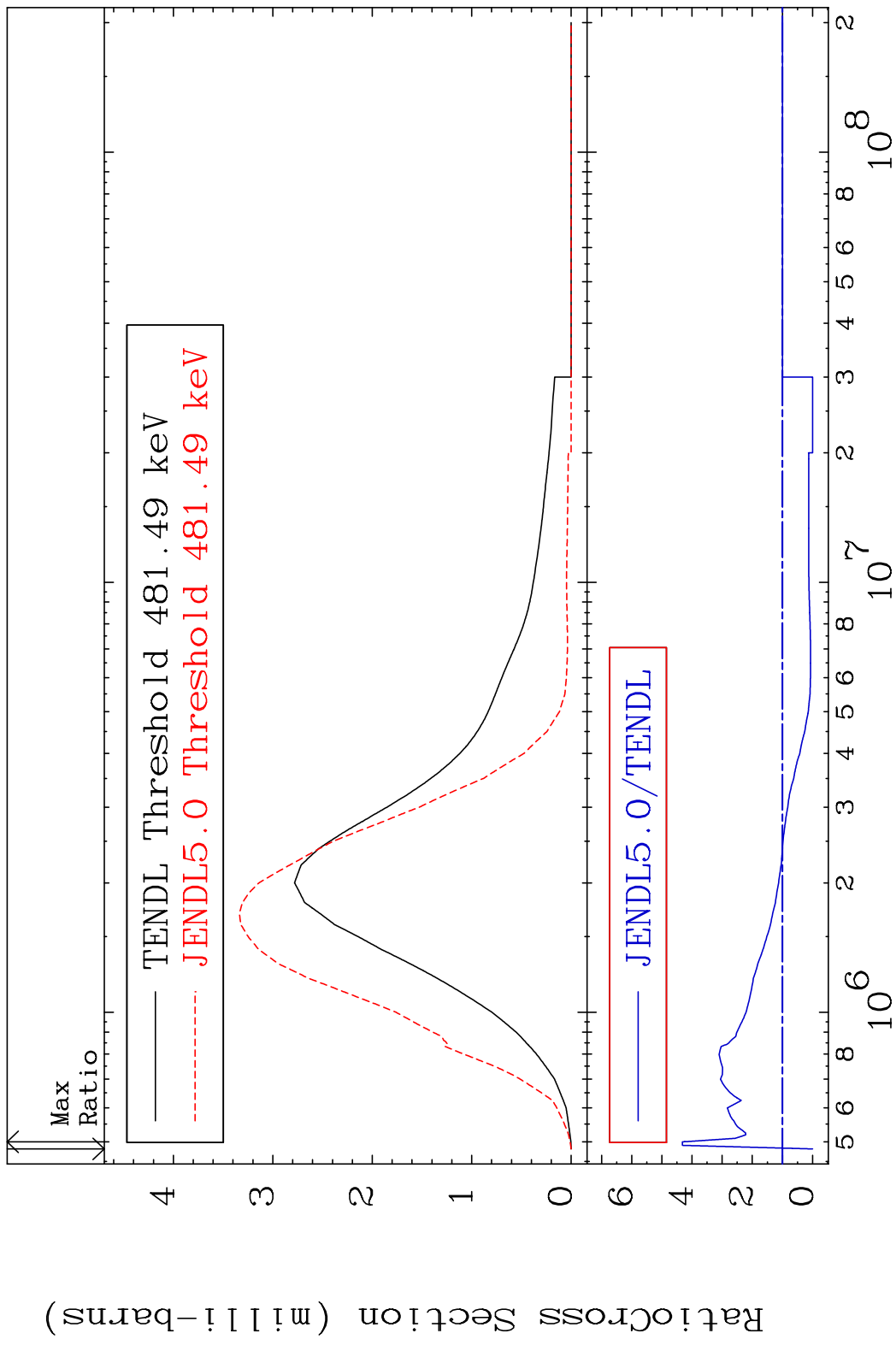
MAT 7731 MT= 58 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 504.8 %



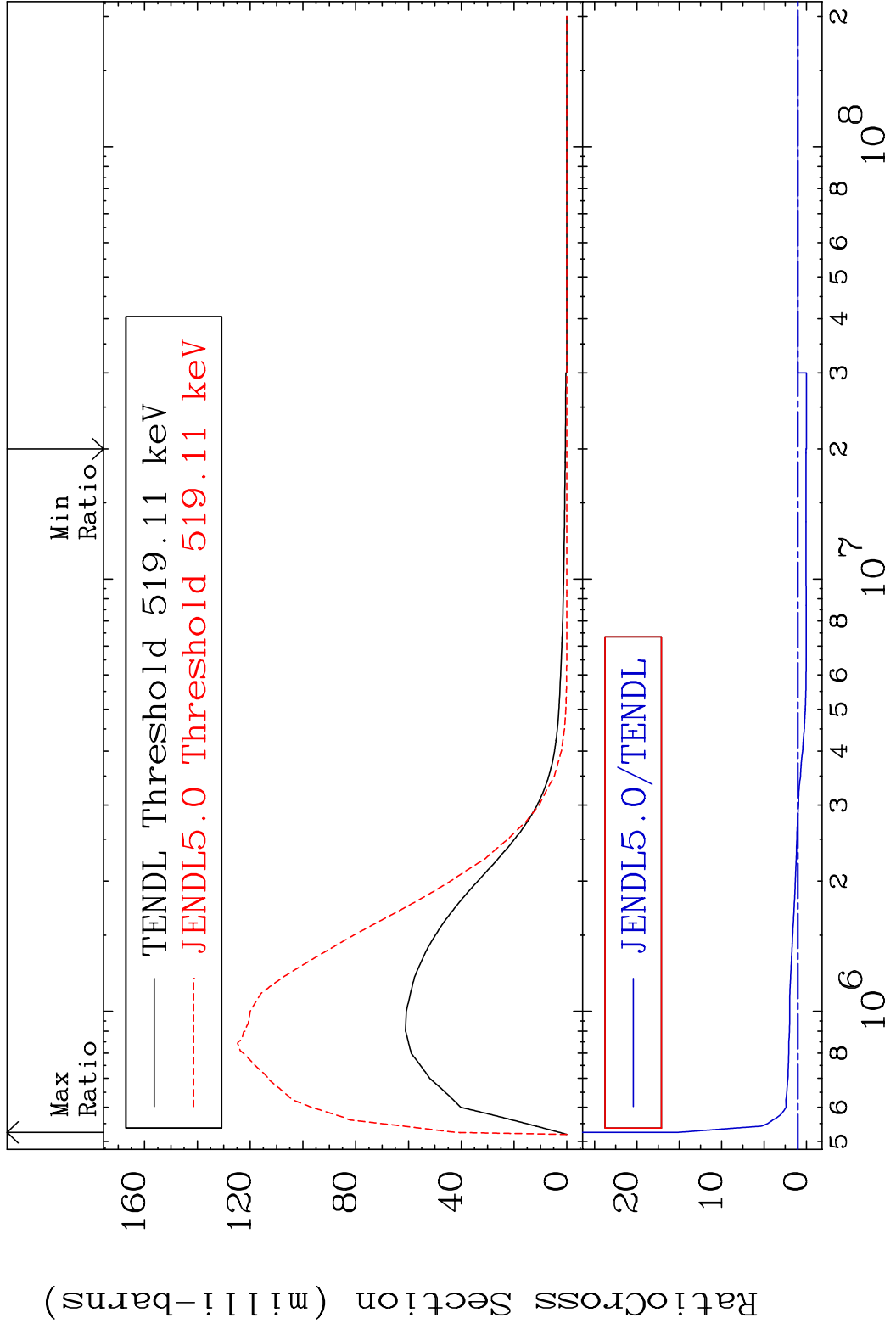
MAT 7731 MT= 59 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 198.5 %



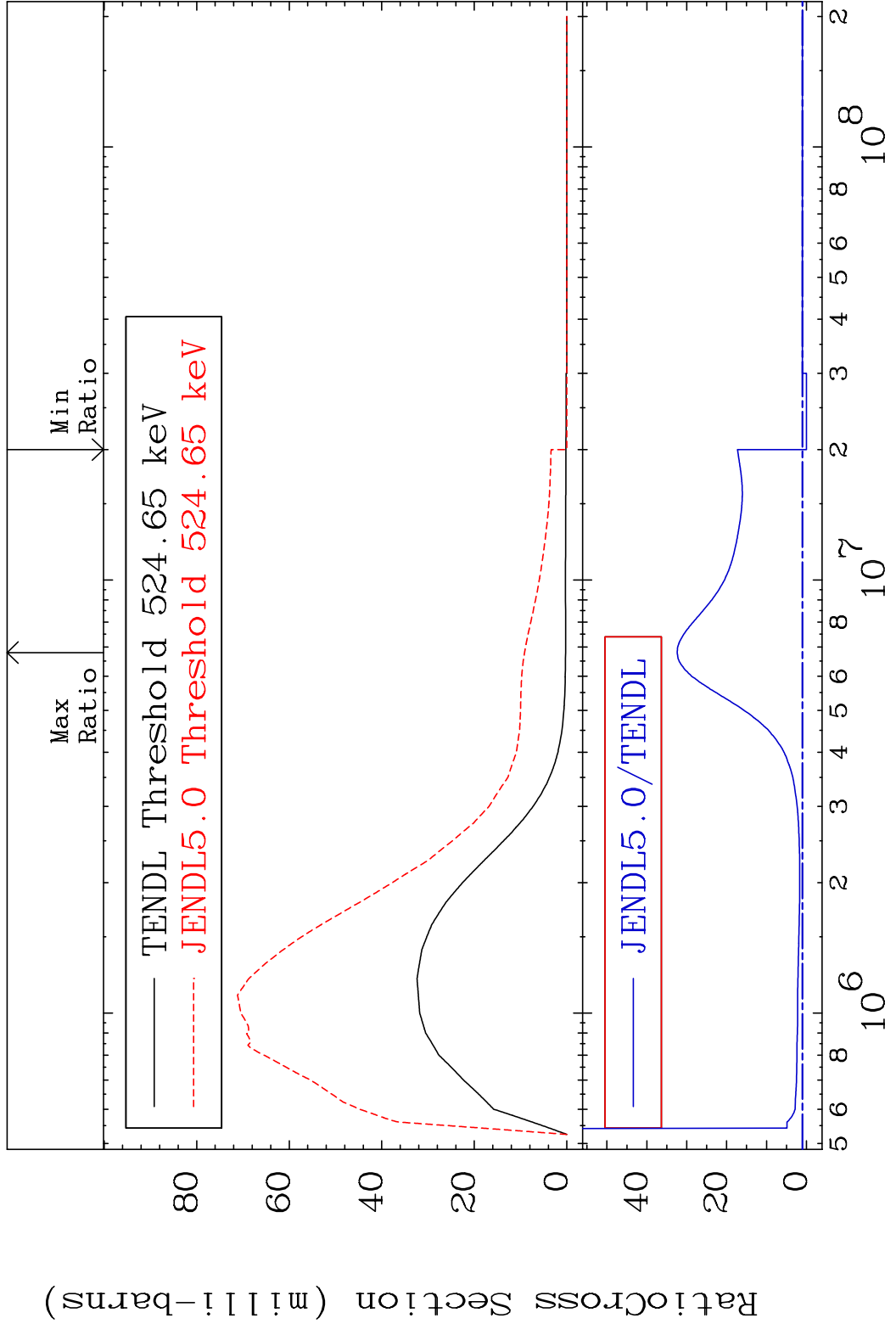
MAT 7731 MT= 60 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 332.0 %



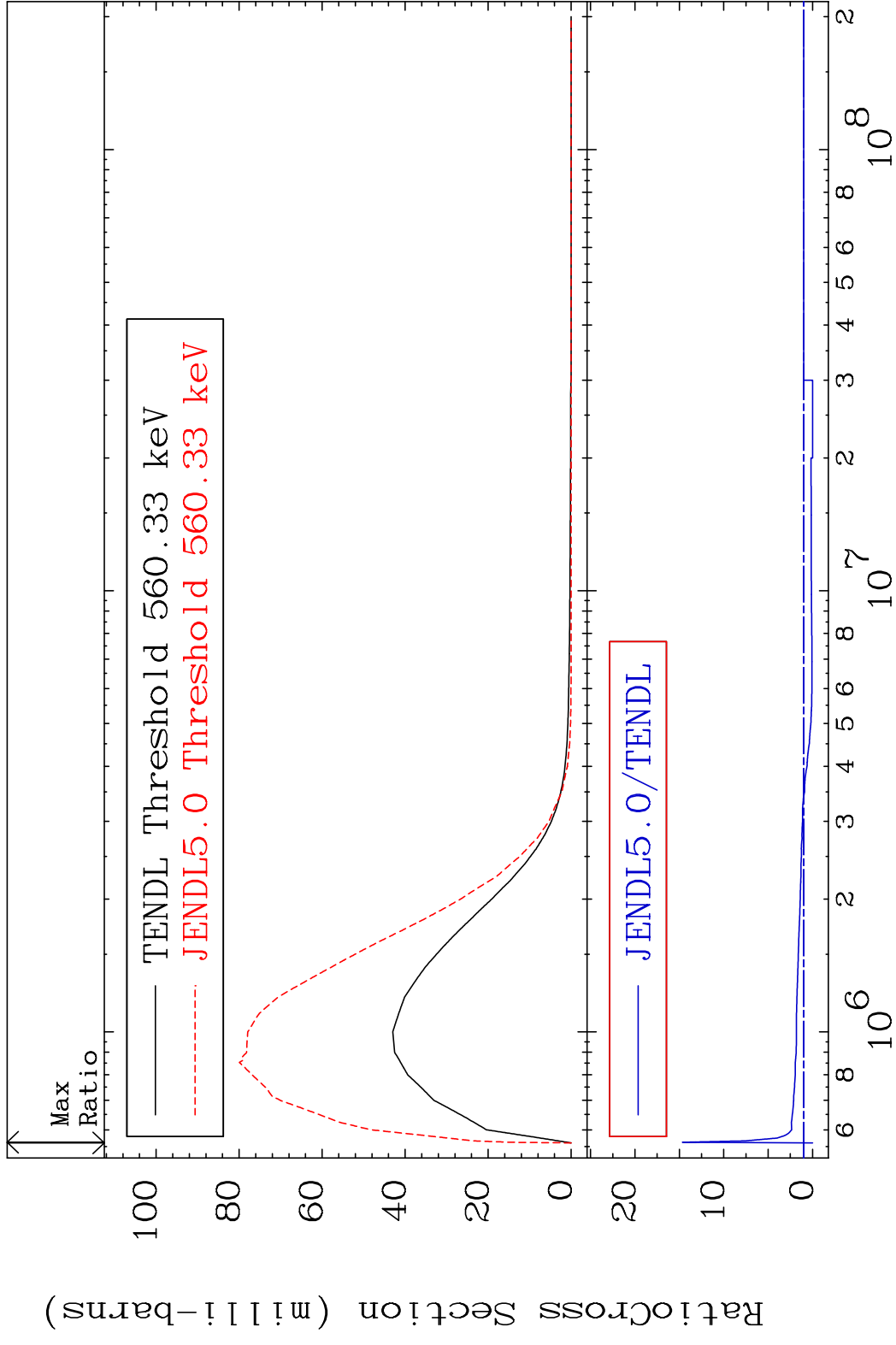
MAT 7731 MT= 61 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 1425. %



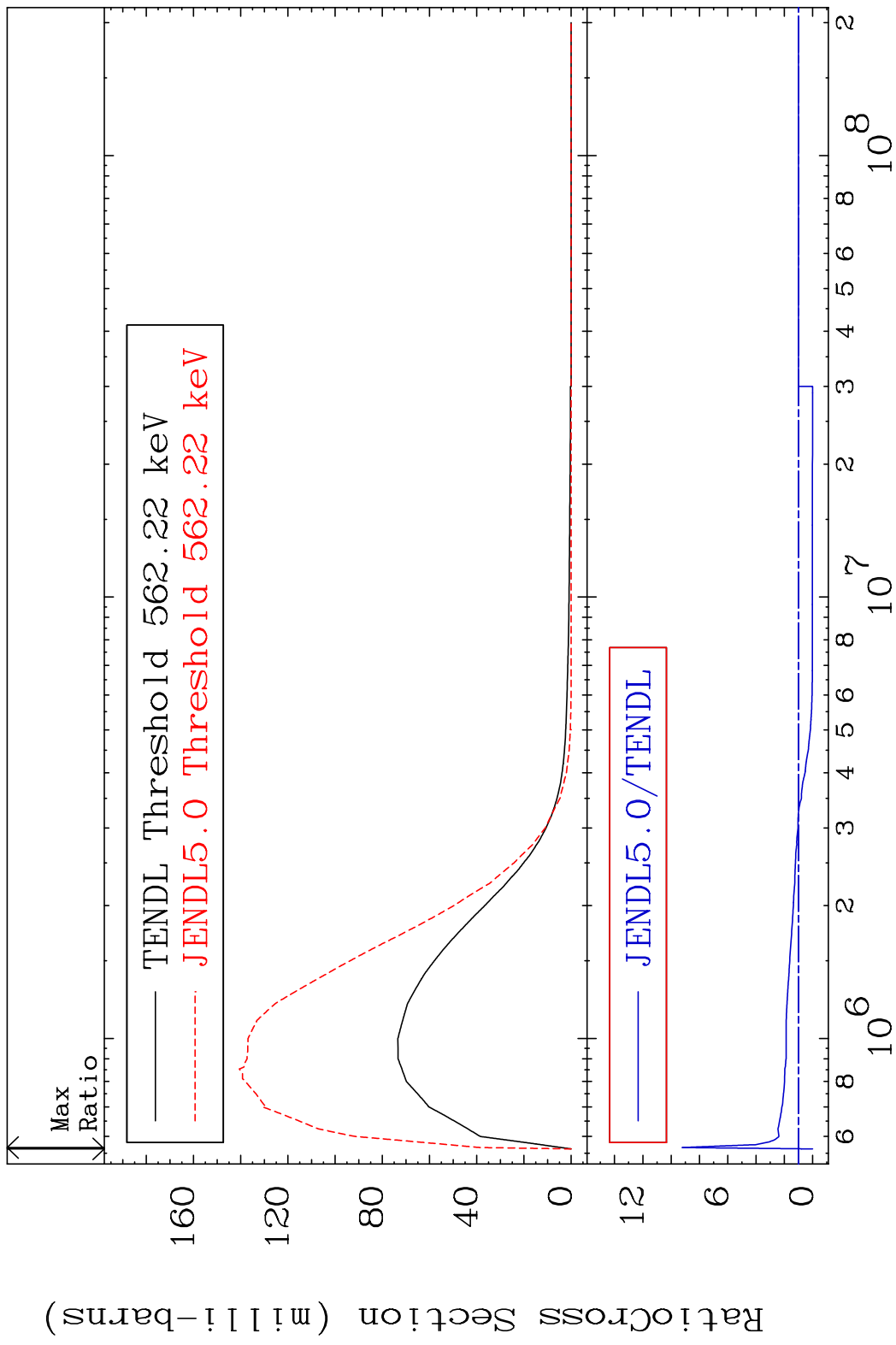
MAT 7731 MT= 62 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 3139. %



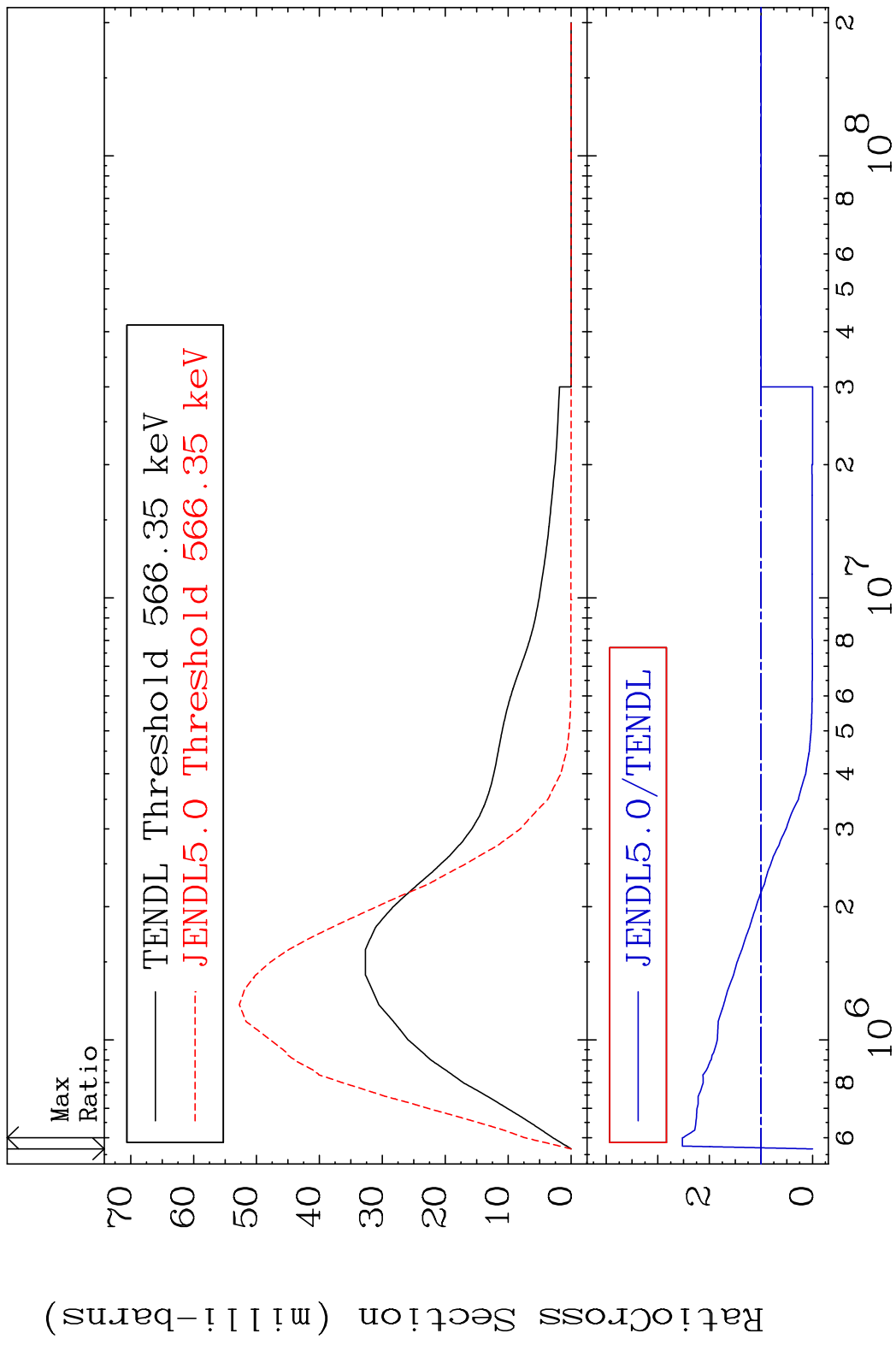
MAT 7731 MT= 63 (n,n') Level 77-Ir-193
 Cross Section -100.0 To 1367. %



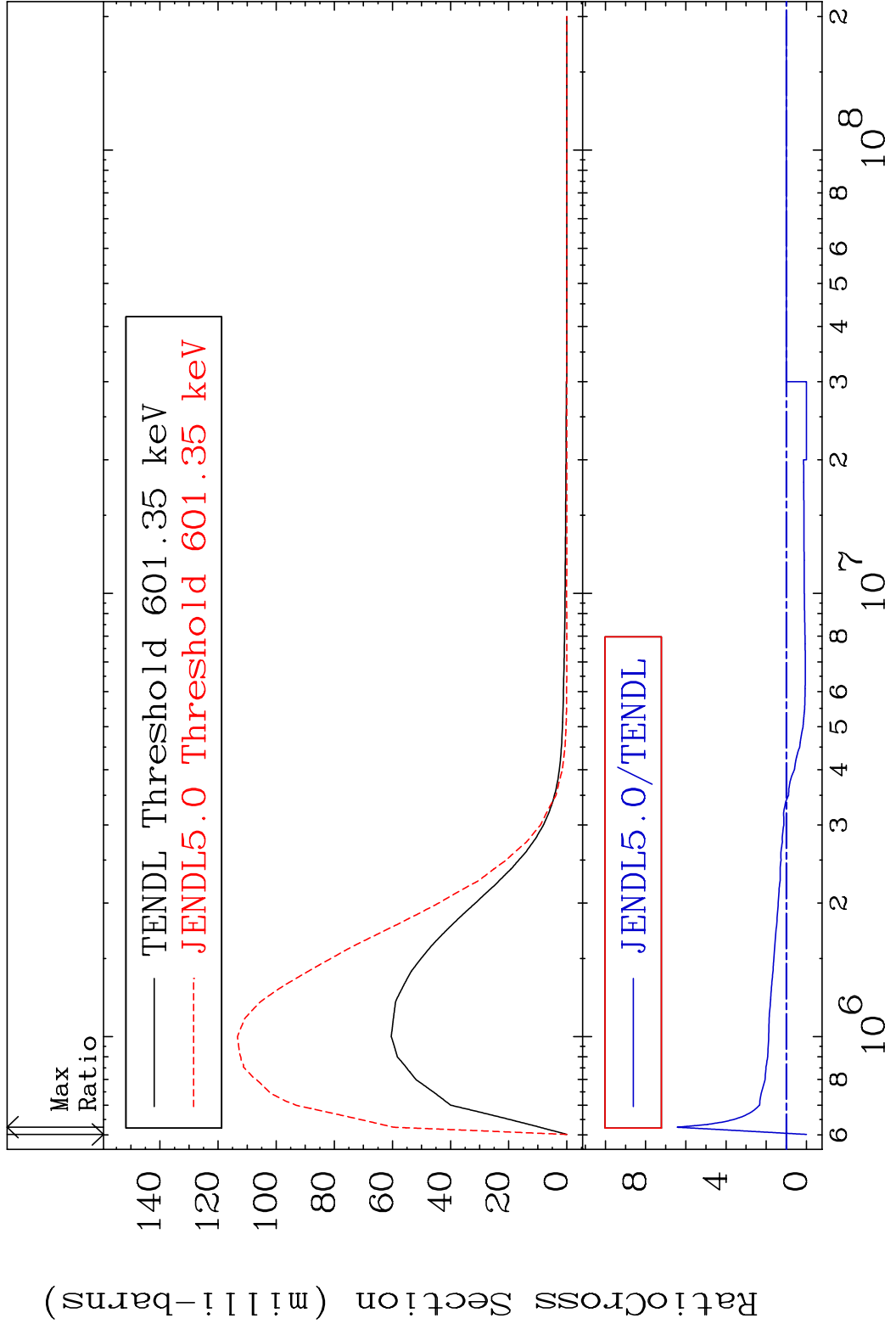
MAT 7731 MT= 64 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 820.5 %



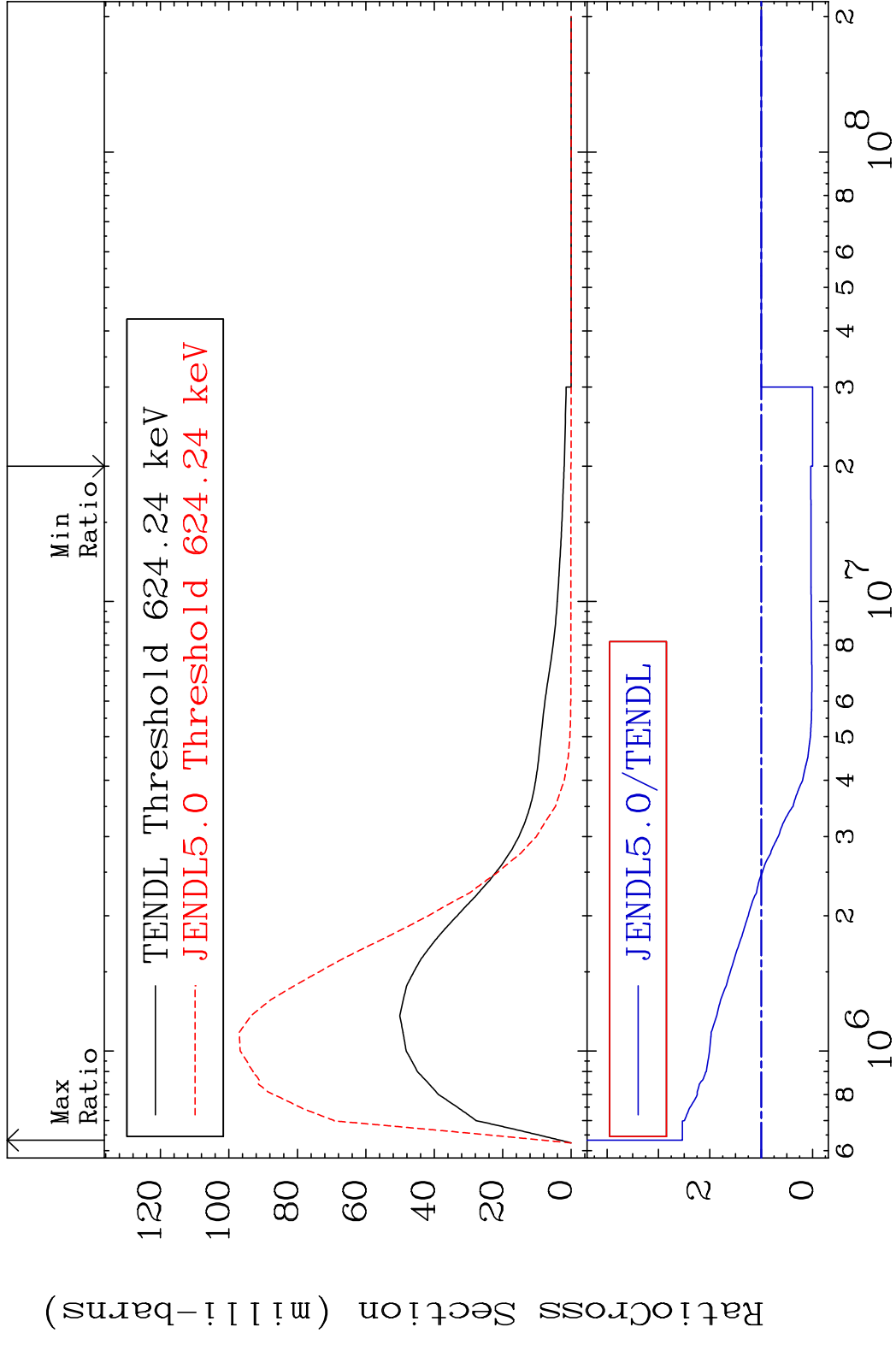
MAT 7731 MT= 65 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 152.4 %



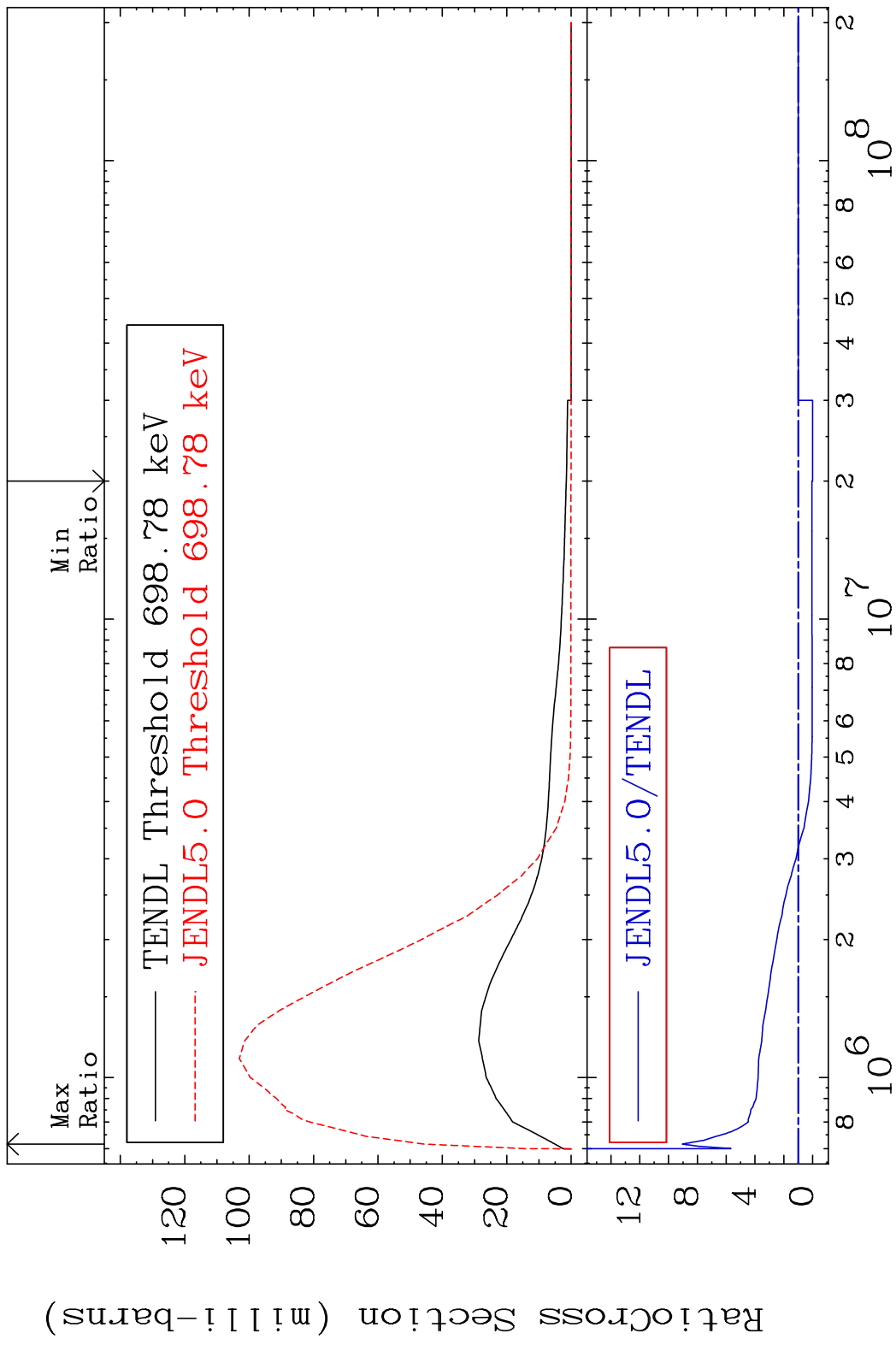
MAT 7731 MT= 66 (n,n') Level 77-Ir-193
 Cross Section -100.0 To 543.1 %



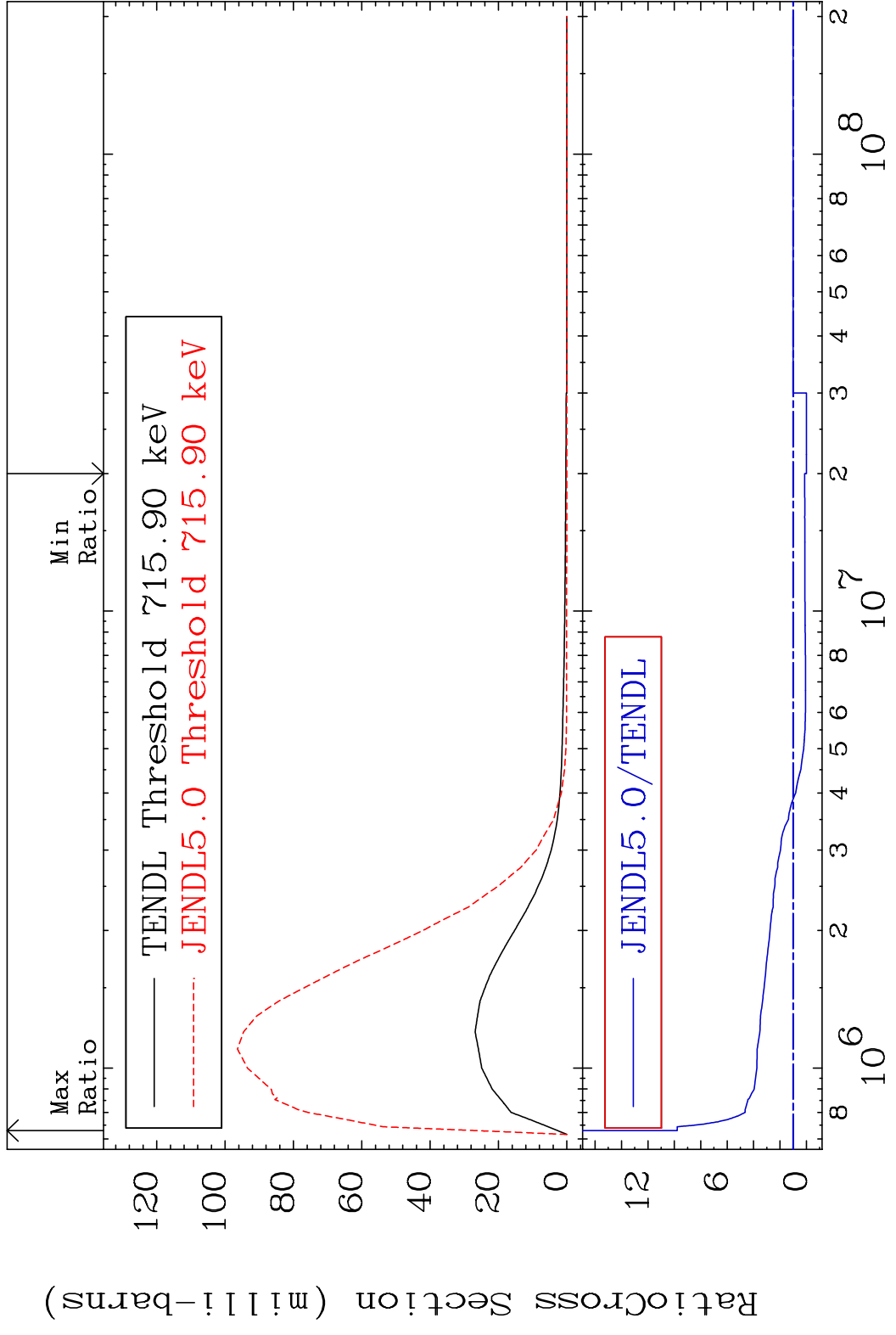
MAT 7731 MT= 67 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 153.5 %



MAT 7731 MT= 68 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 804.3 %

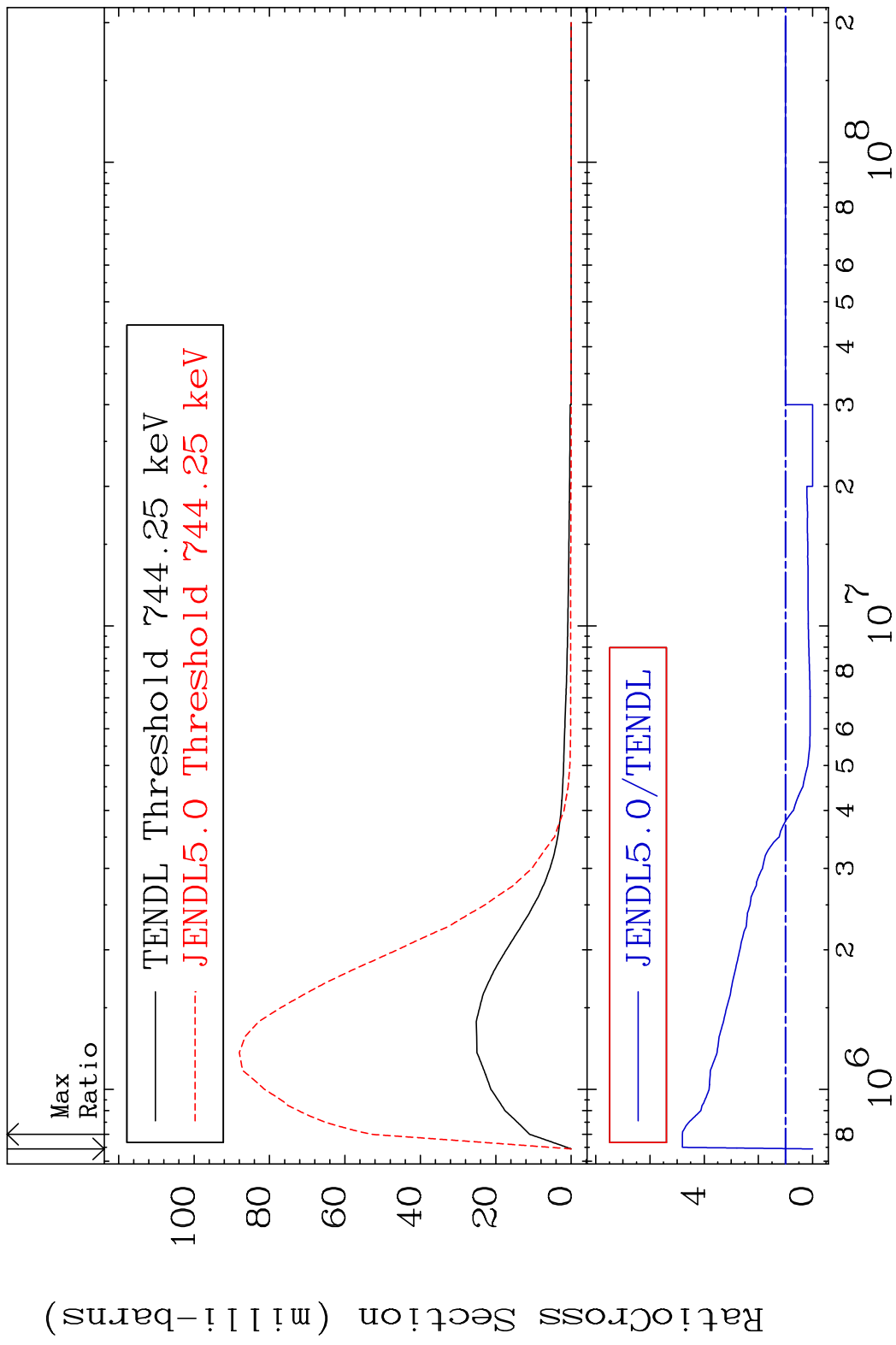


MAT 7731 MT= 69 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 878.4 %

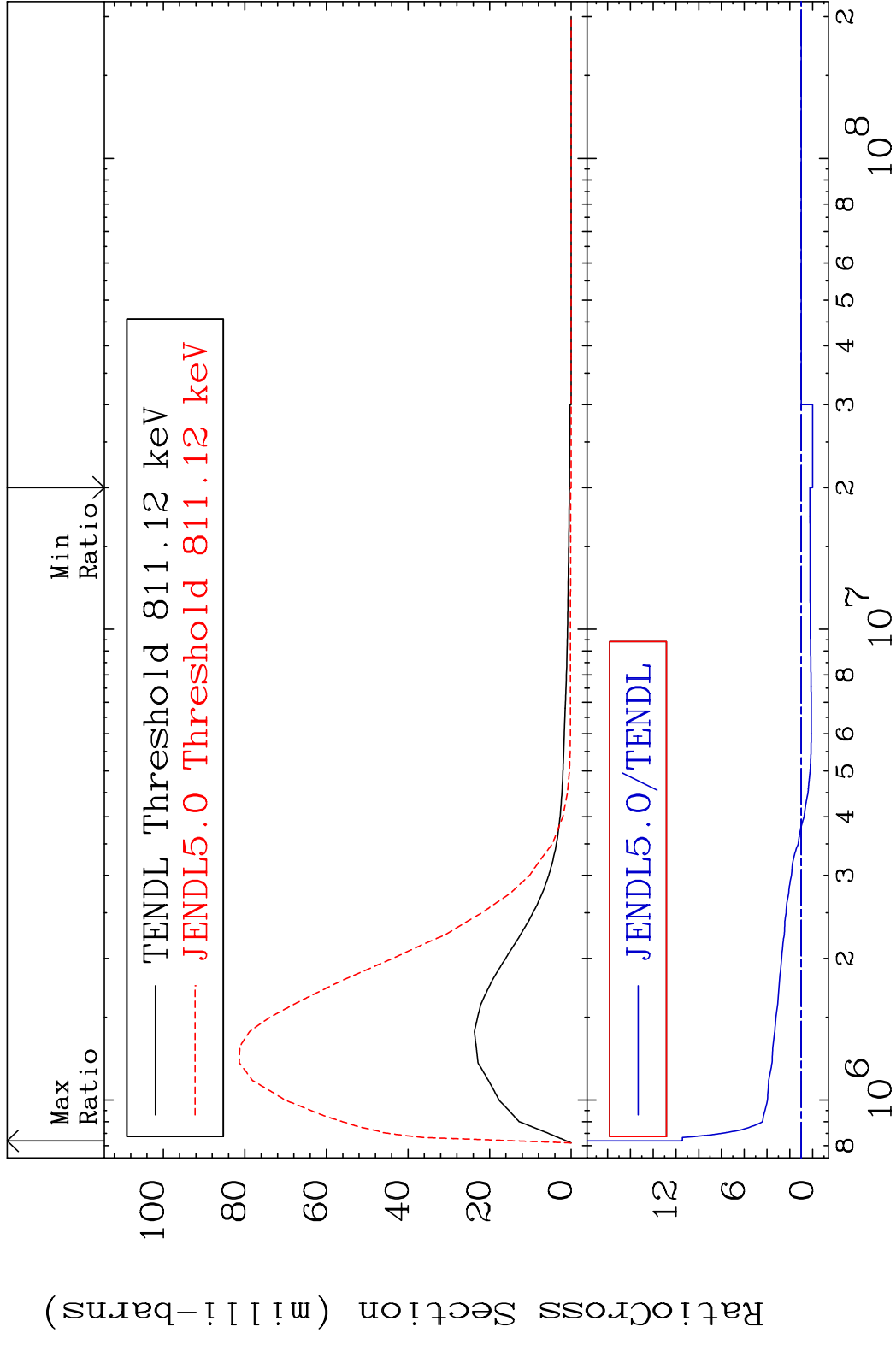


30 Incident Energy (eV) 77-Ir-193

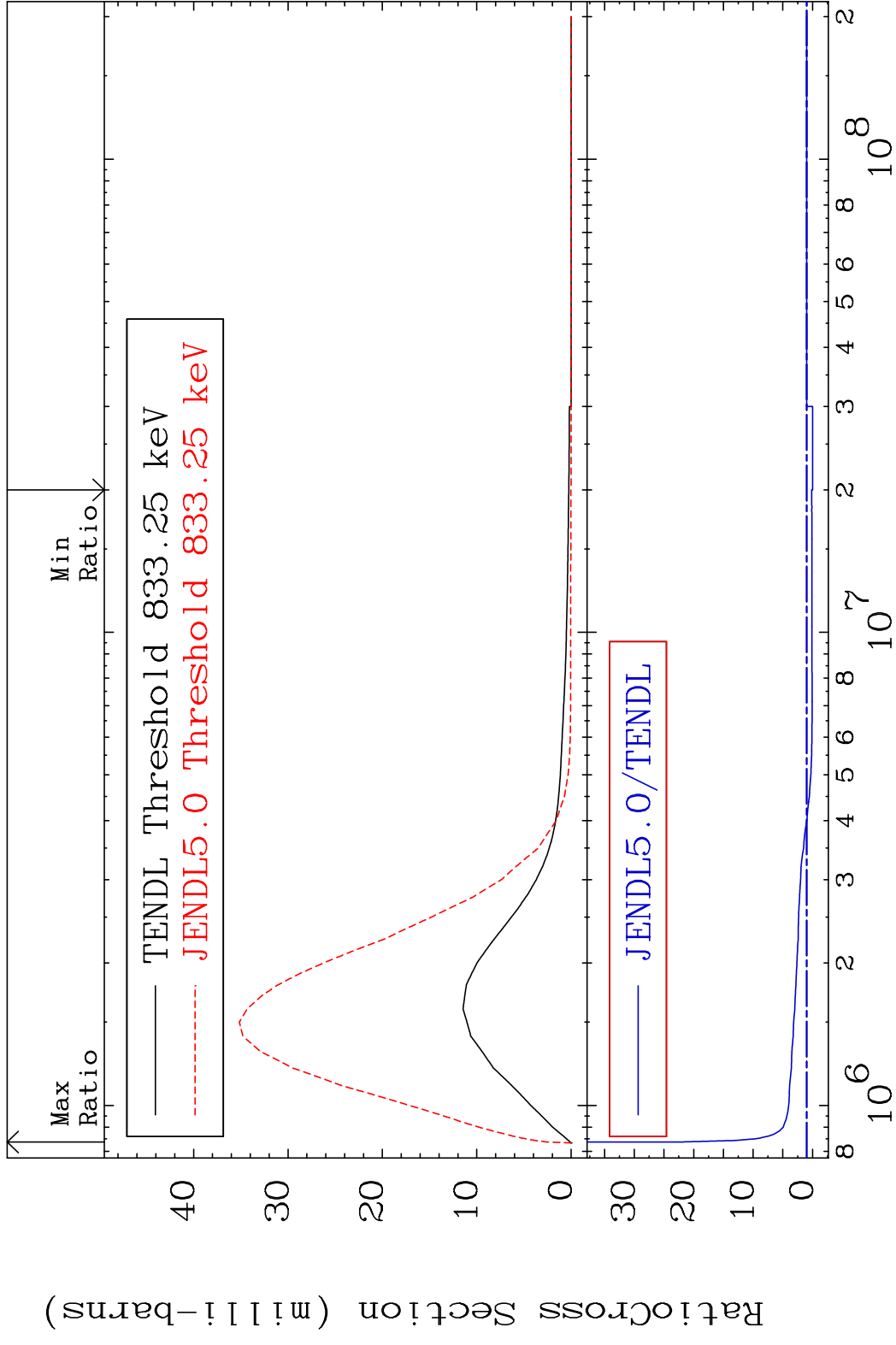
MAT 7731 MT= 70 (n,n') Level 77-Ir-193
 Cross Section -100.0 To 380.6 %



MAT 7731 MT= 71 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 1044. %

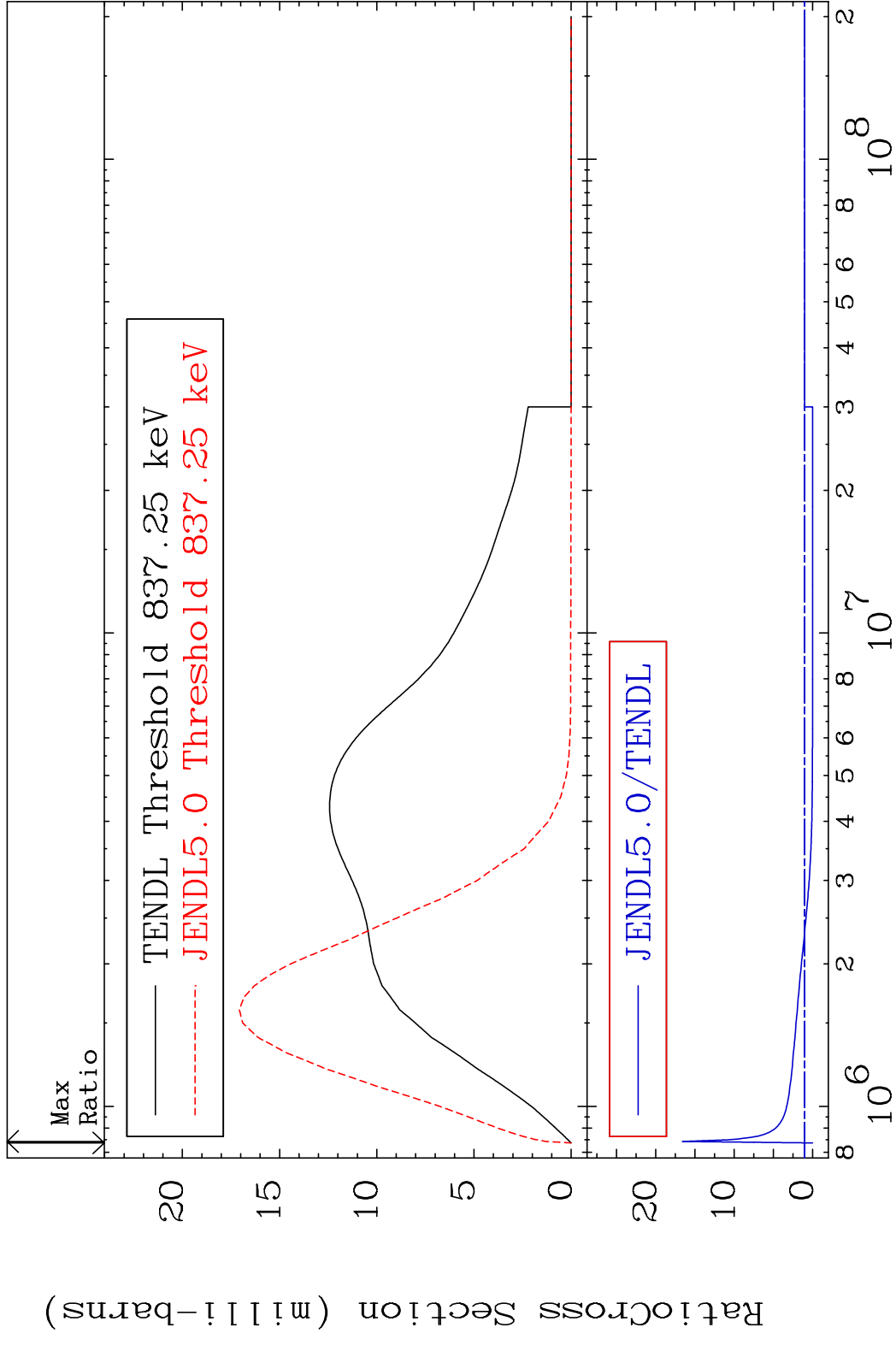


MAT 7731 MT= 72 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 2091. %

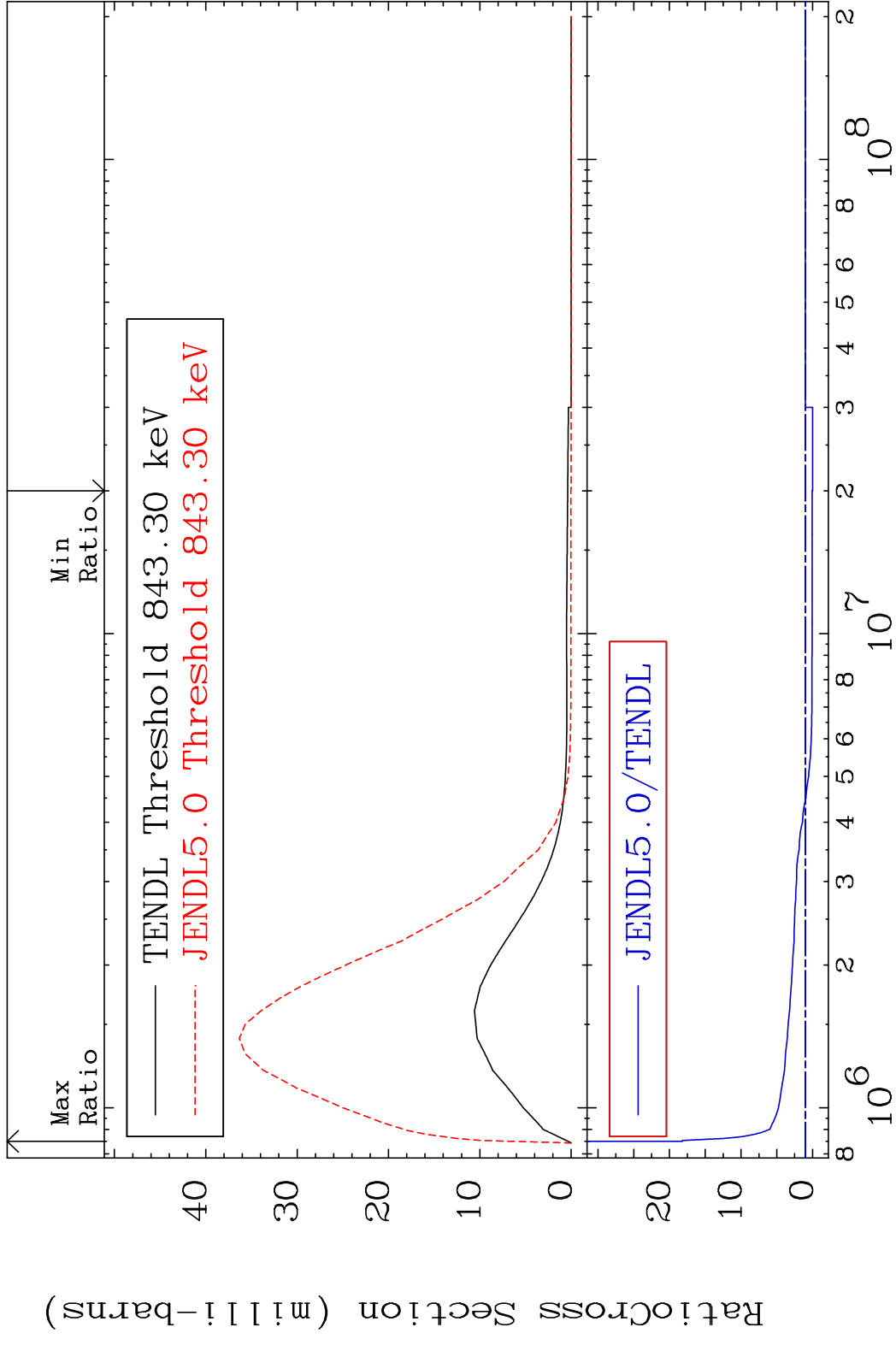


33 Incident Energy (eV) 77-Ir-193

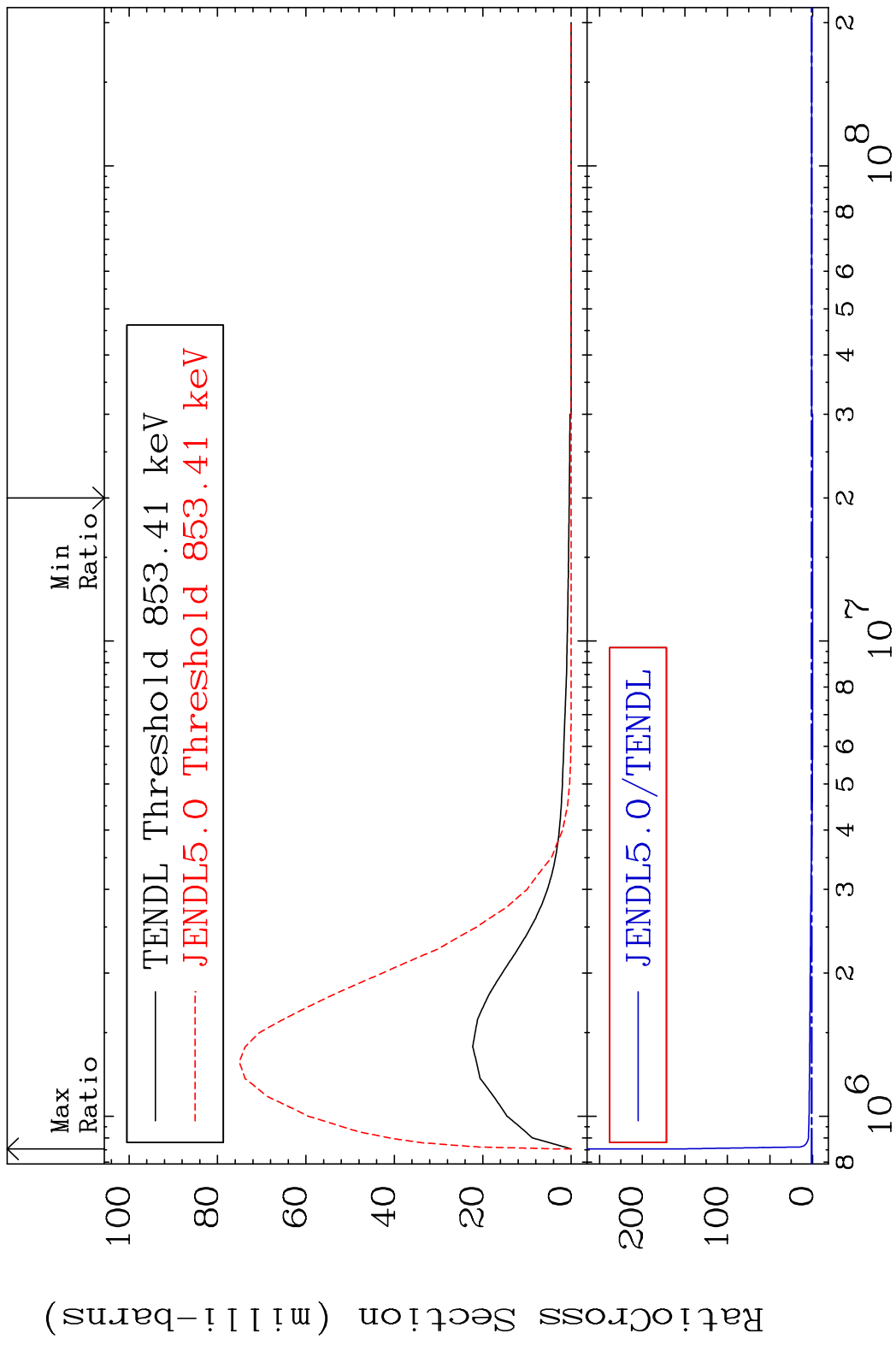
MAT 7731 MT= 73 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 1561. %



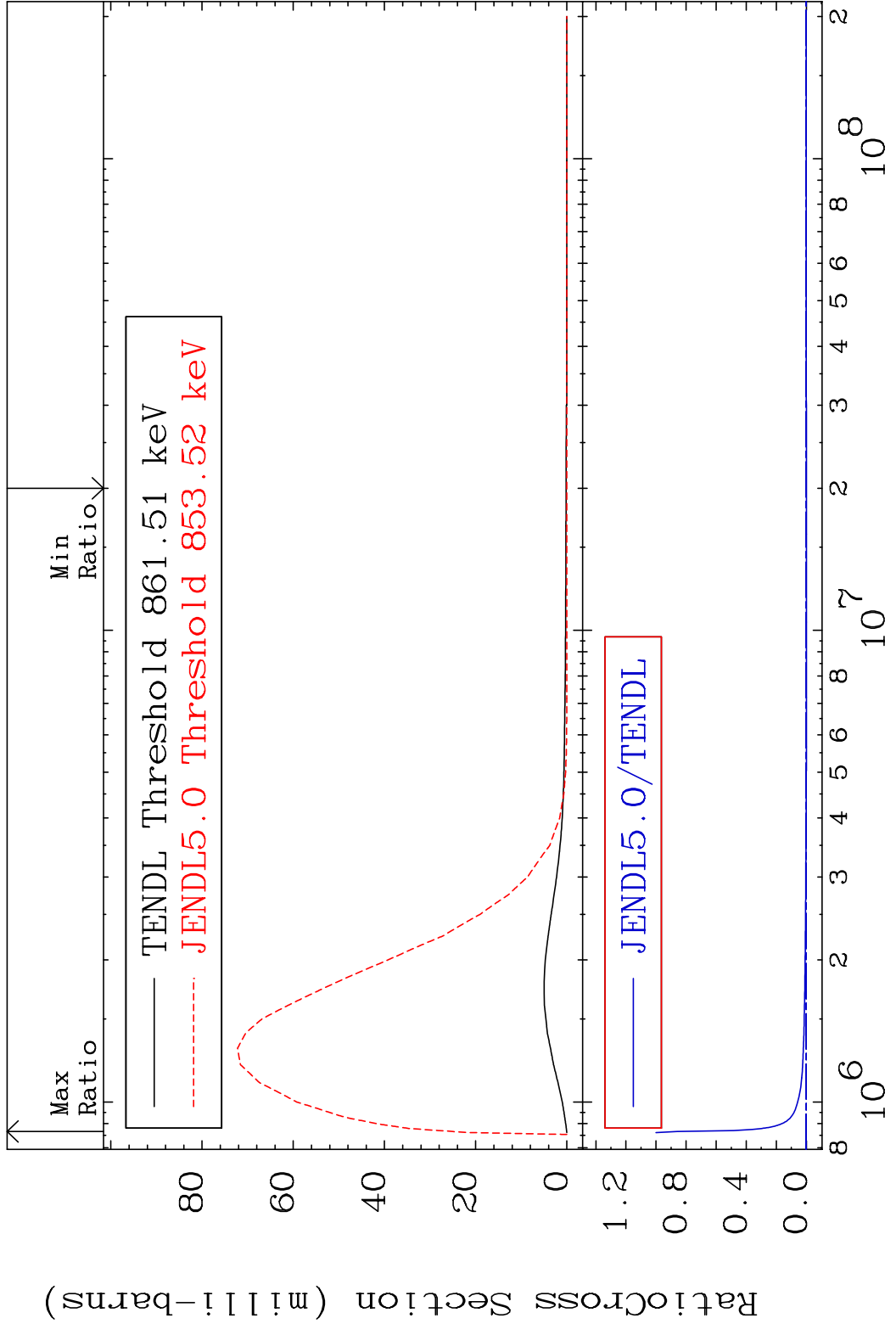
MAT 7731 MT= 74 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 1720. %



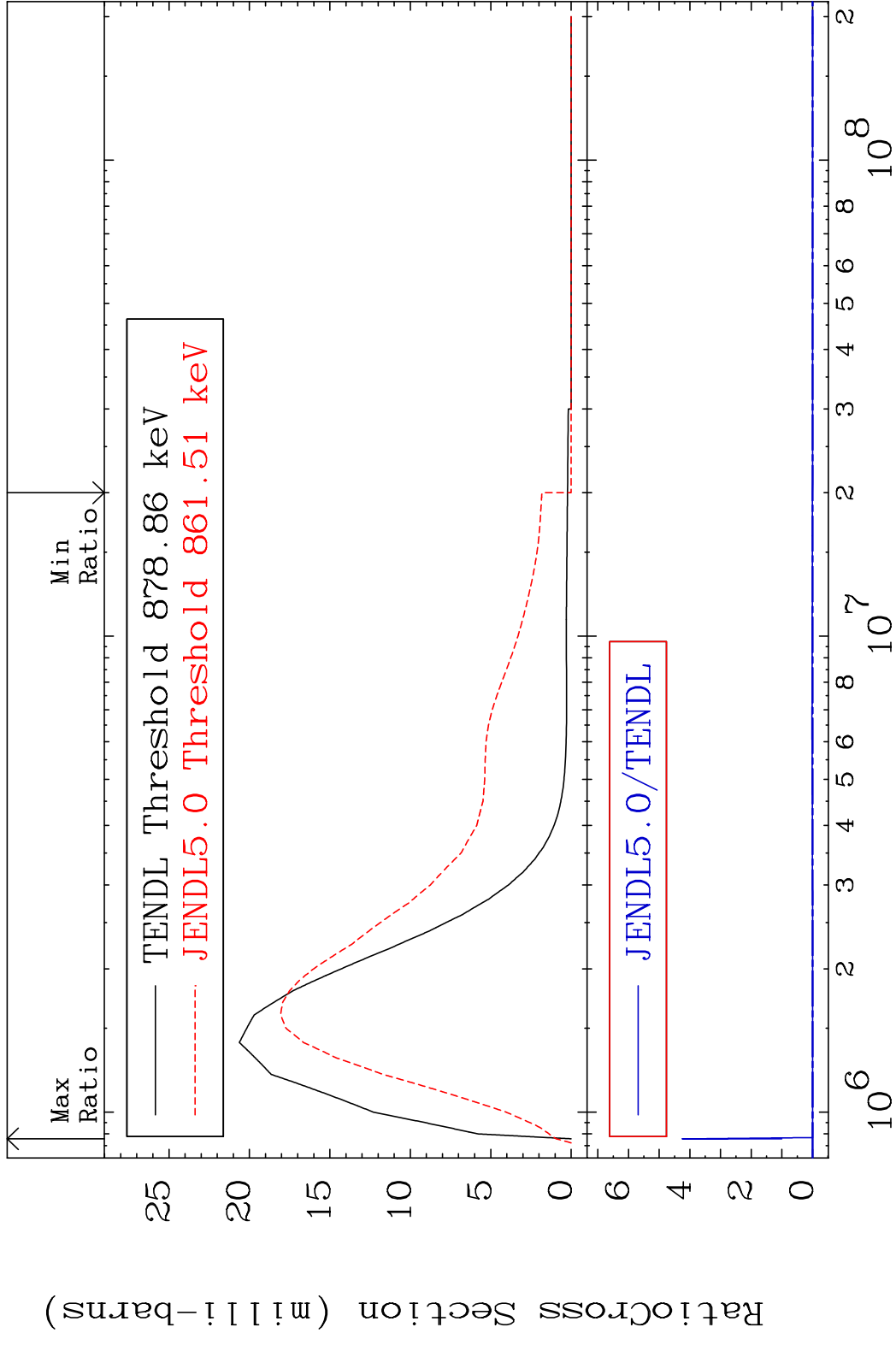
MAT 7731 MT= 75 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 9999. %



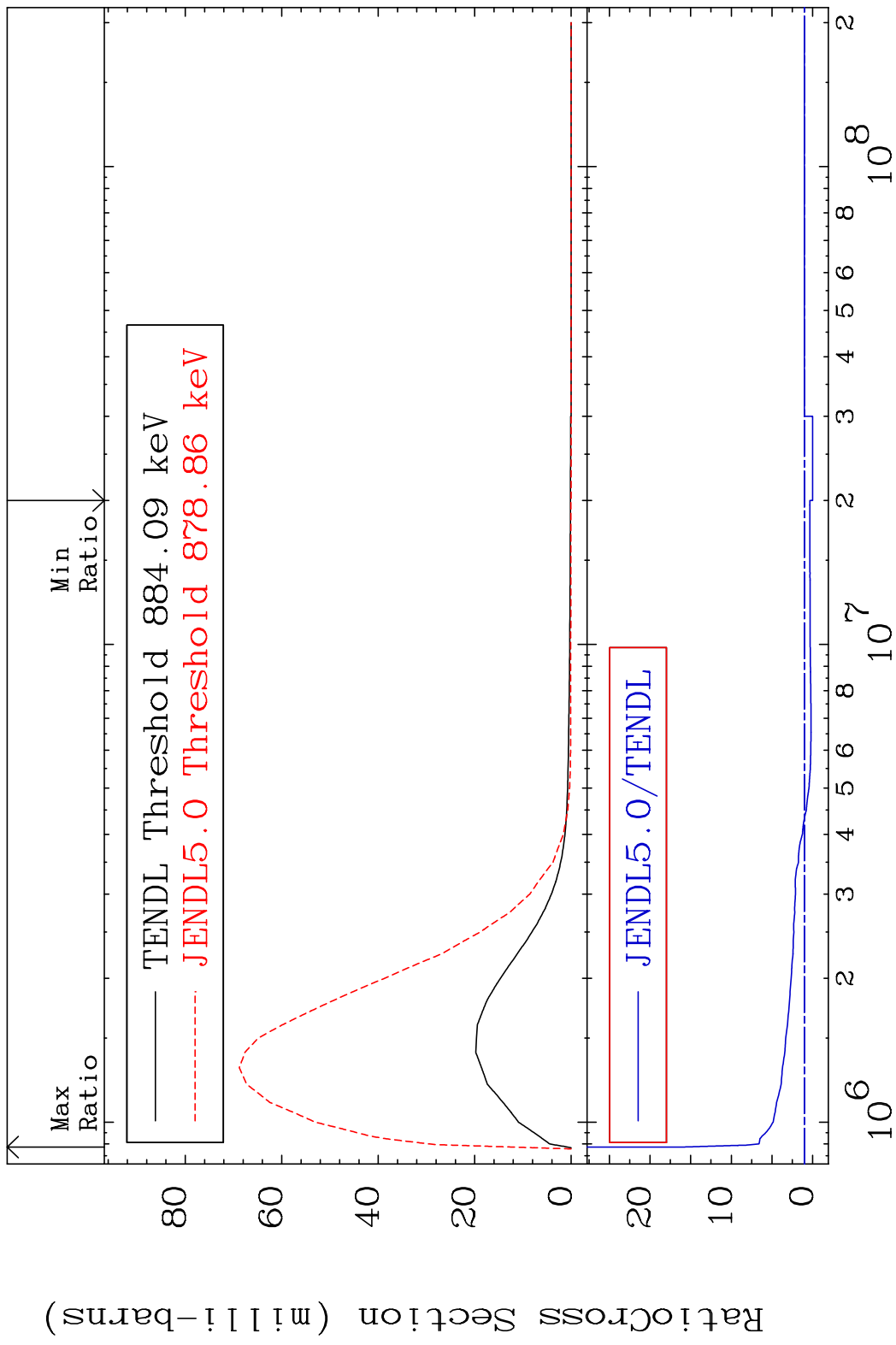
MAT 7731 MT= 76 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 9999. %



MAT 7731 MT= 77 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 9999. %

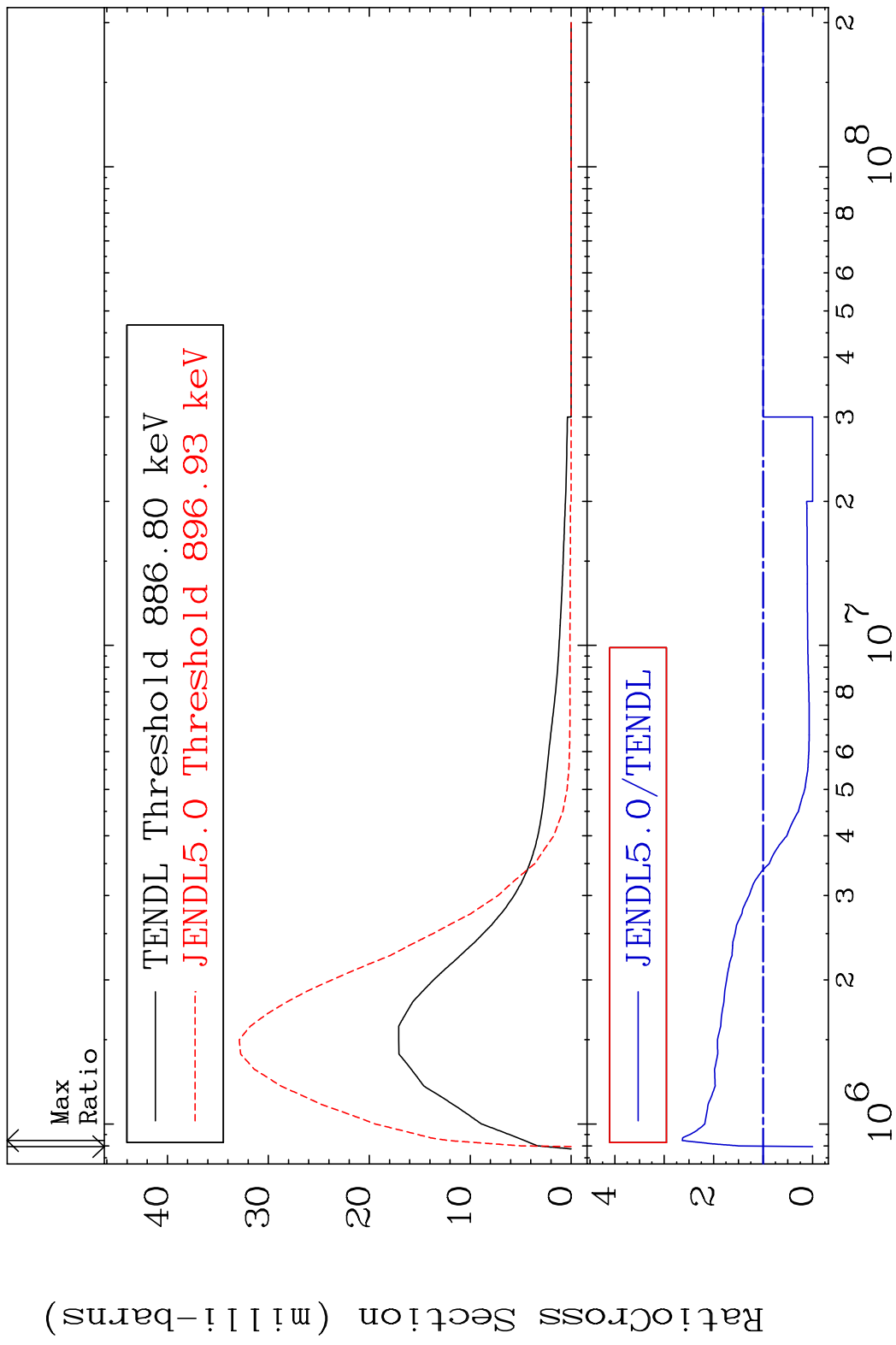


MAT 7731 MT= 78 (n, n') Level 77-Ir-193
 Cross Section -100.0 To 1503. %



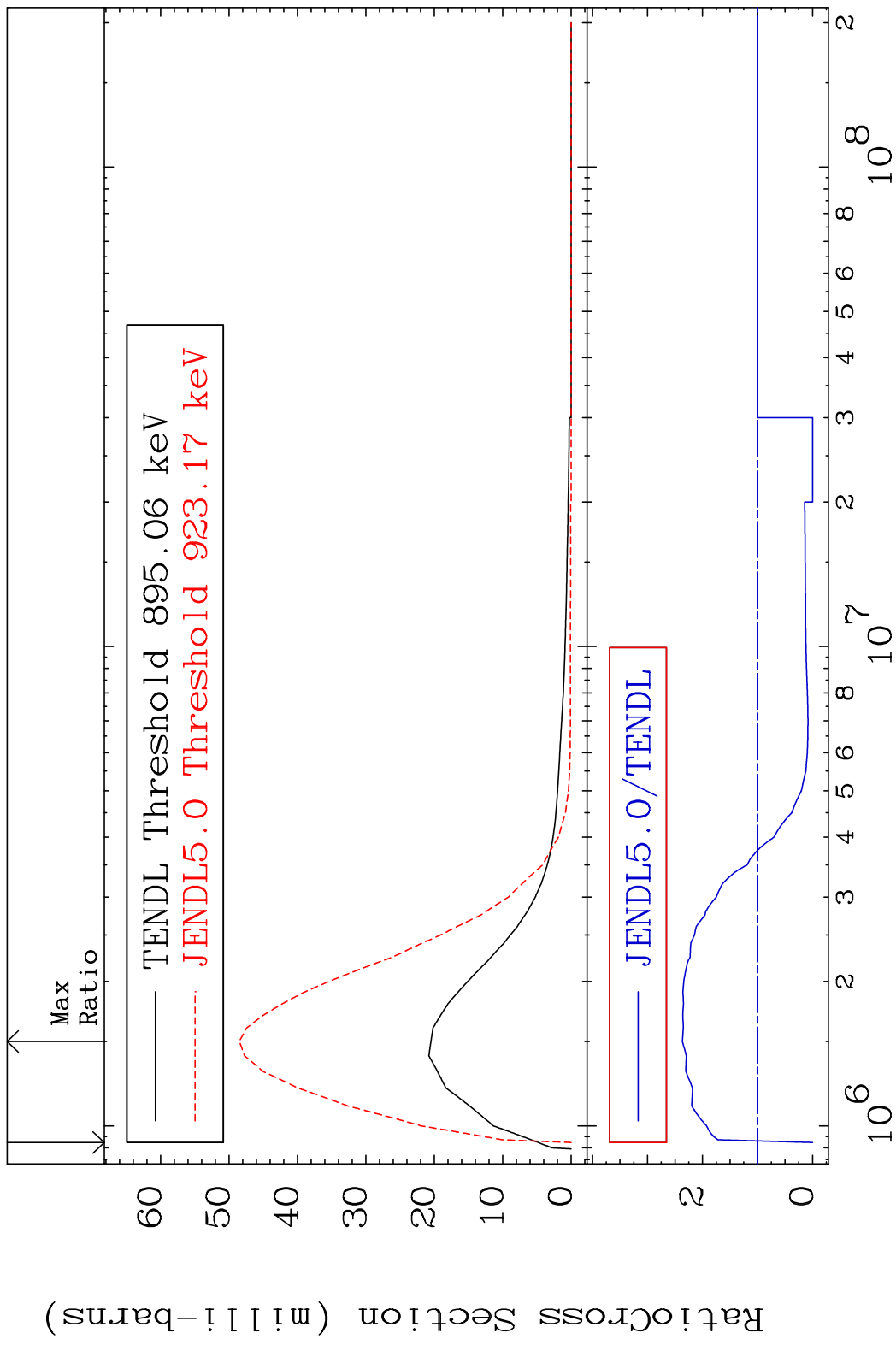
39 Incident Energy (eV) 77-Ir-193

MAT 7731 MT= 79 (n,n') Level 77-Ir-193
 Cross Section -100.0 To 163.4 %



40 Incident Energy (eV) 77-Ir-193

MAT 7731 MT= 80 (n,n') Level 77-Ir-193
 Cross Section -100.0 To 136.6 %



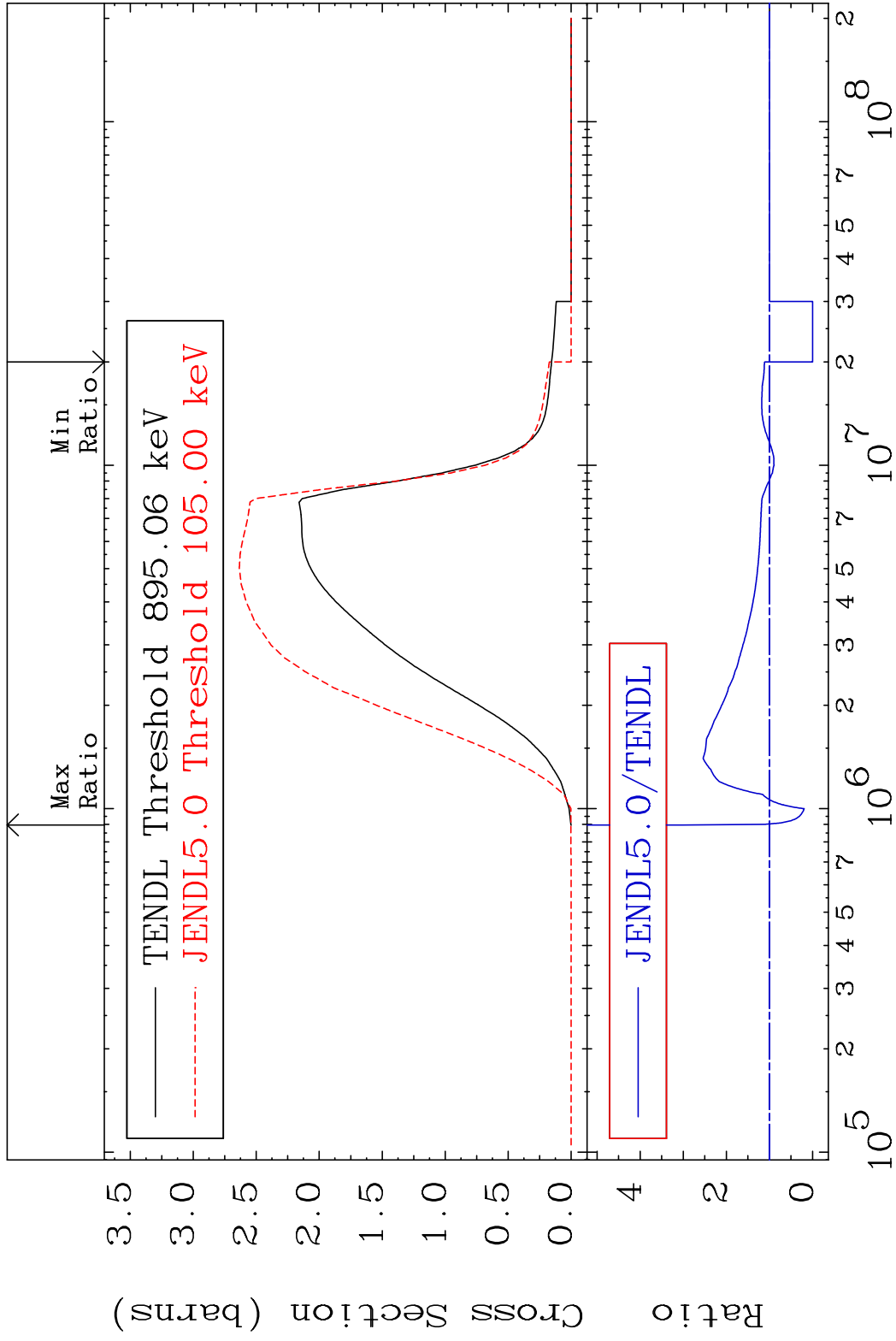
41 Incident Energy (eV) 77-Ir-193

MAT 7731

(n, n') Continuum

77-Ir-193

Cross Section -100.0 To 202.1 %



42

Incident Energy (eV)

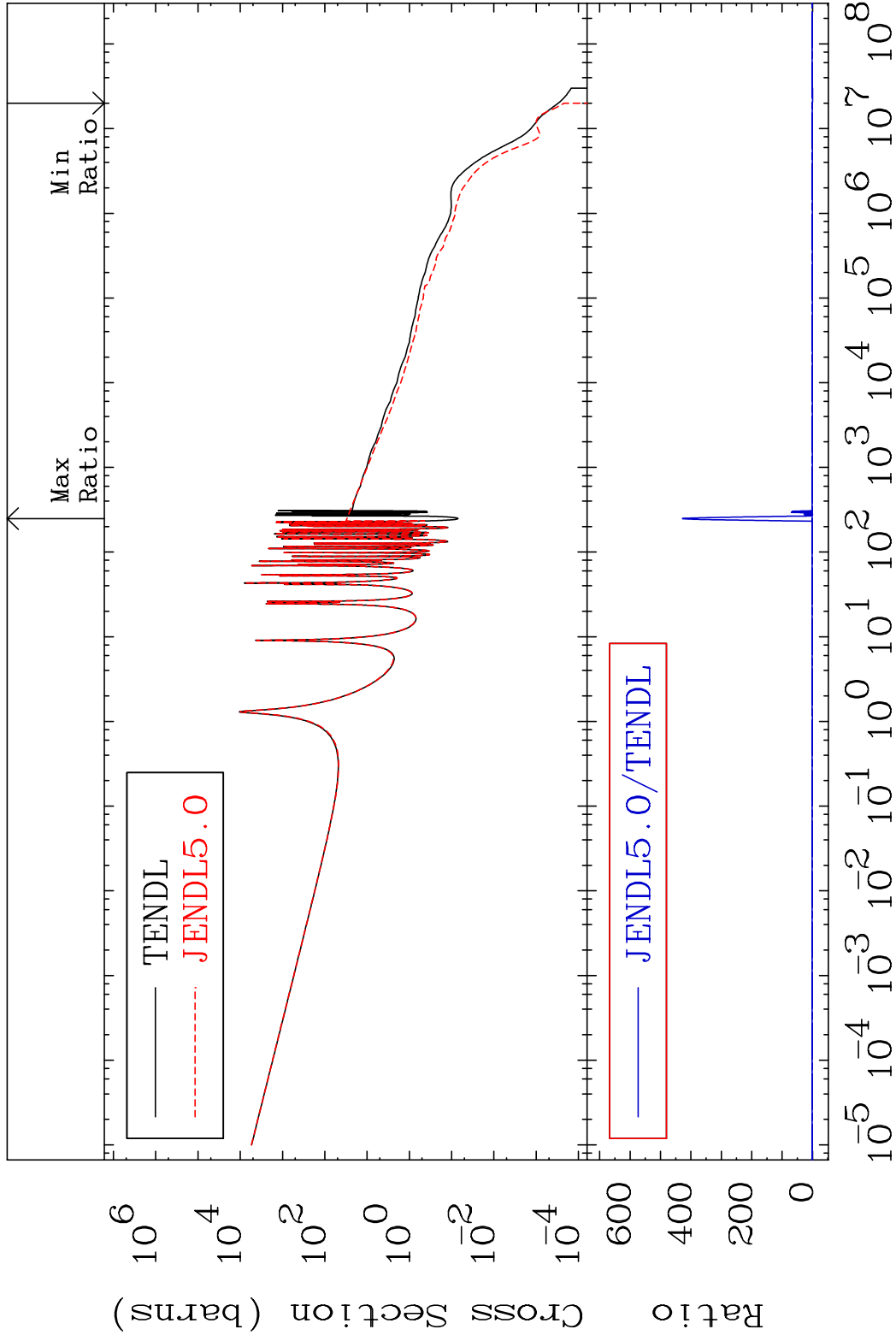
77-Ir-193

MAT 7731

(n, γ)

77-Ir-193

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

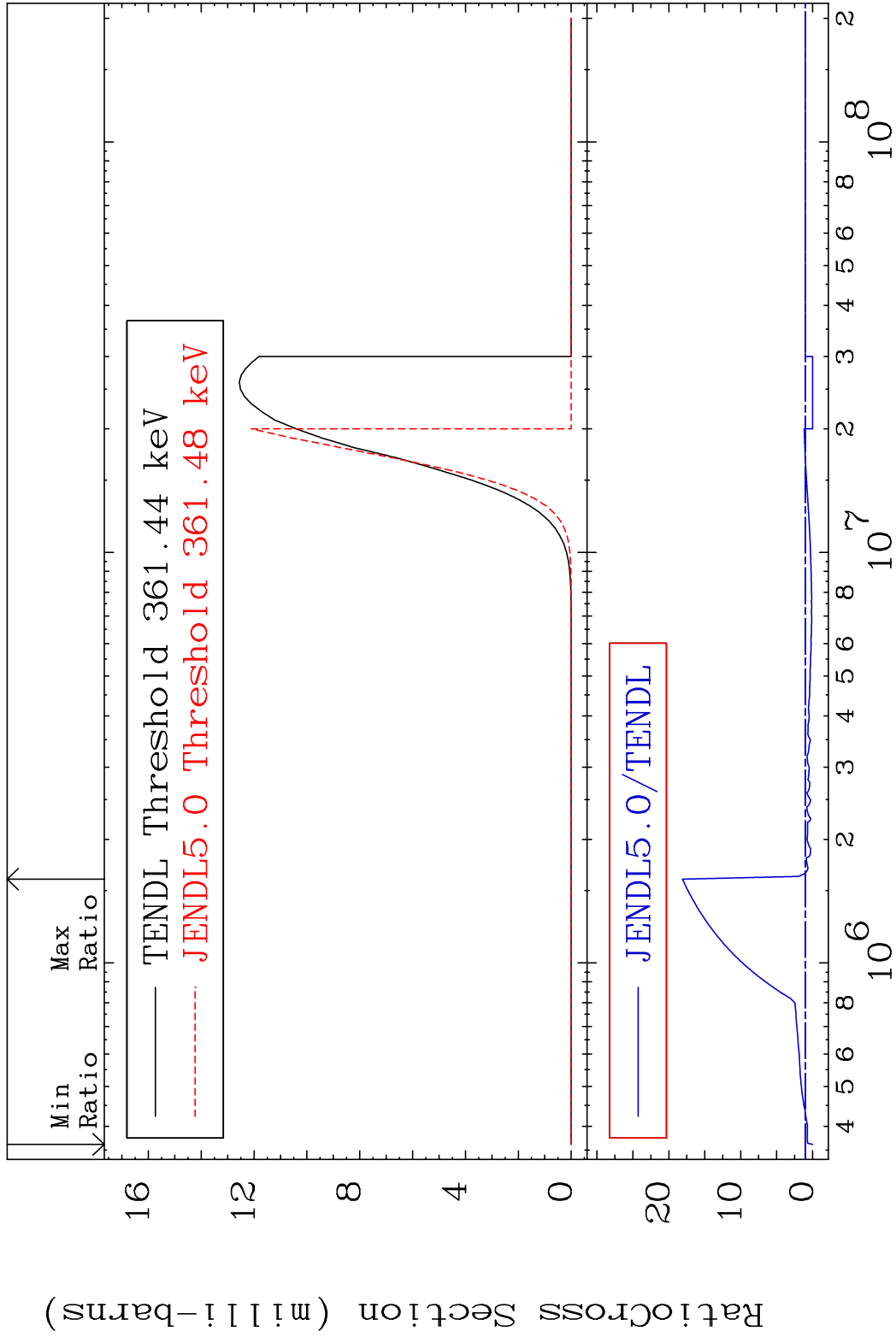
77-Ir-193

MAT 7731

(n,p)

77-Ir-193

Cross Section -100.0 To 1712. %



44

Incident Energy (eV)

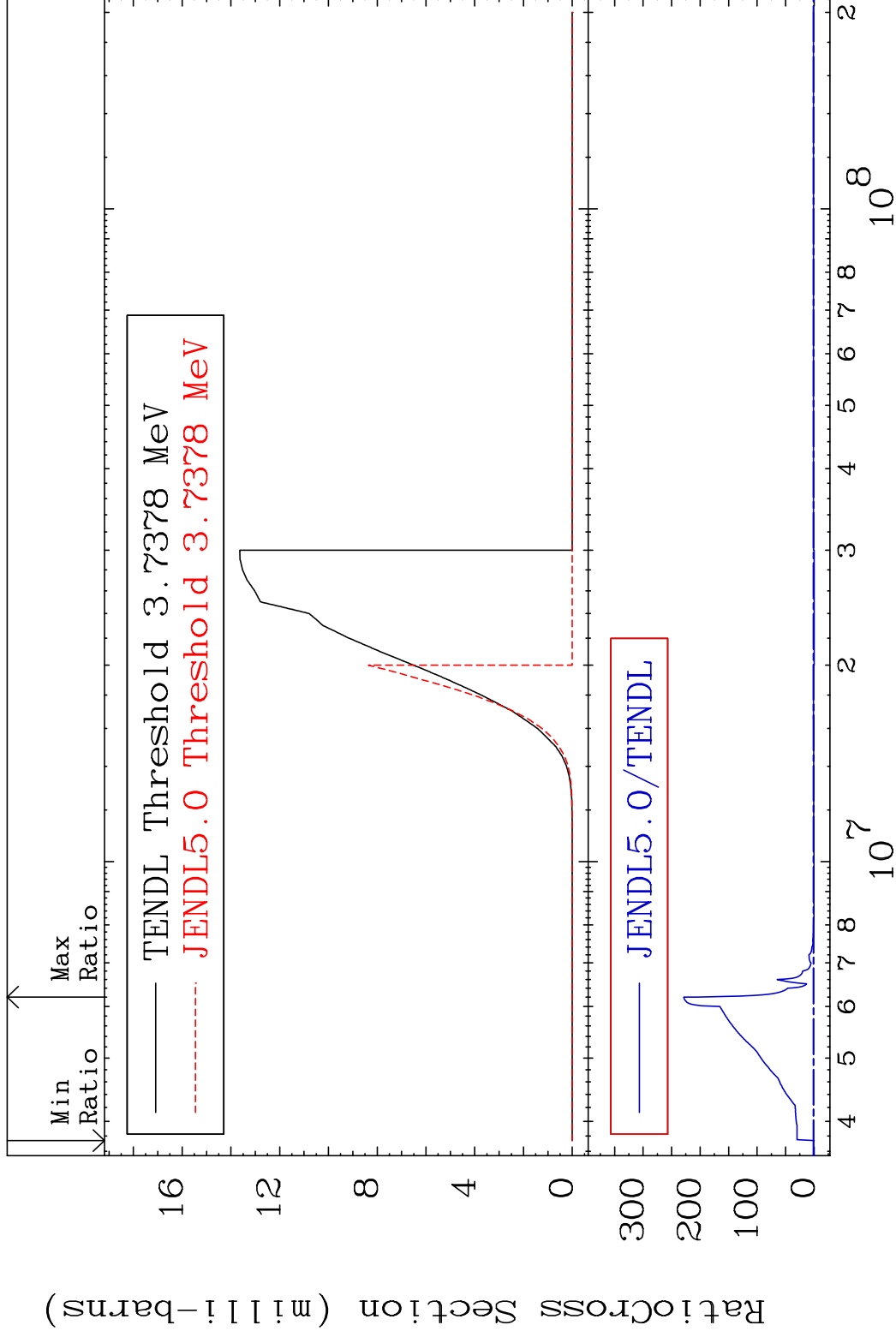
77-Ir-193

MAT 7731

(n,d)

77-Ir-193

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

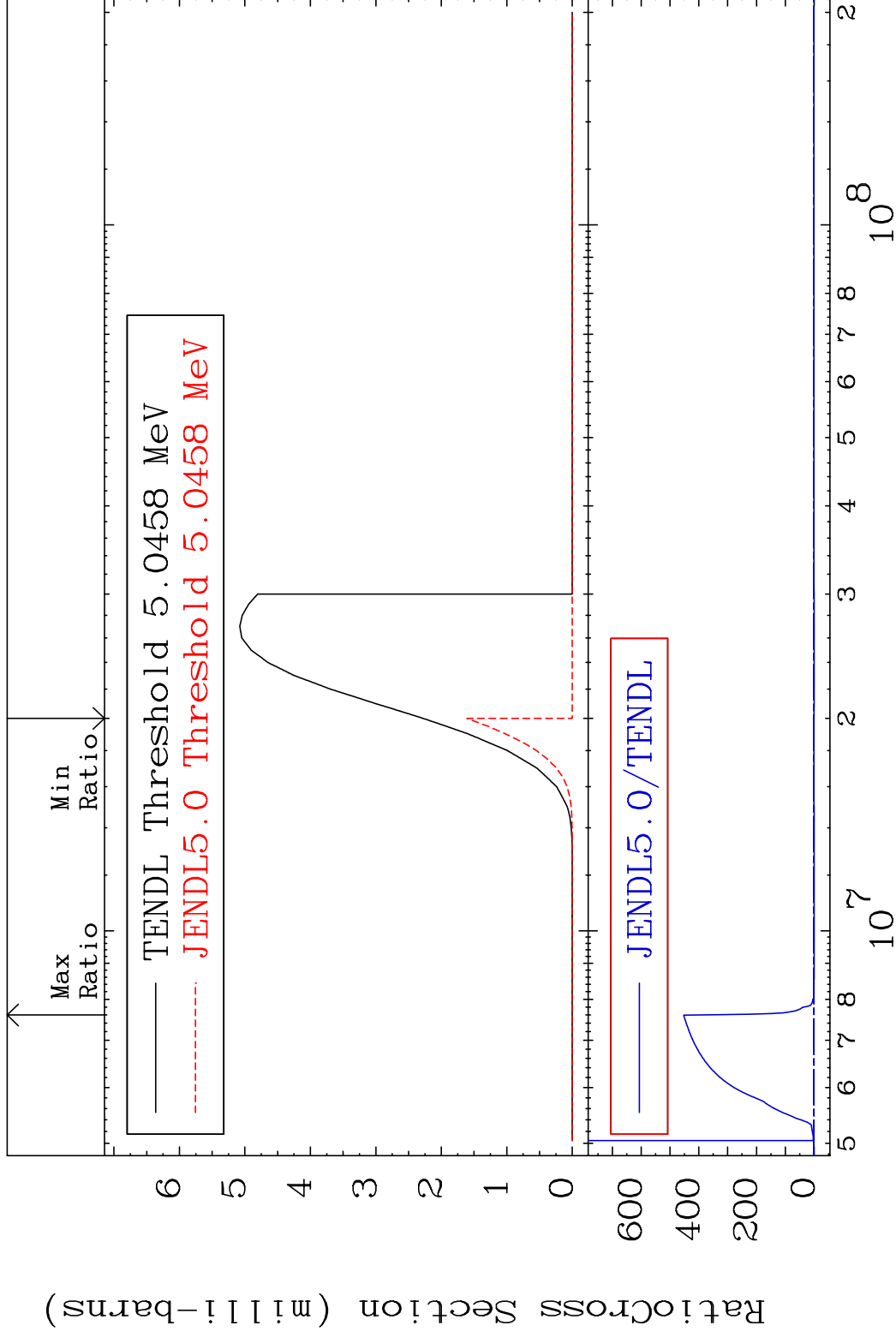
77-Ir-193

MAT 7731

(n, t)

77-Ir-193

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

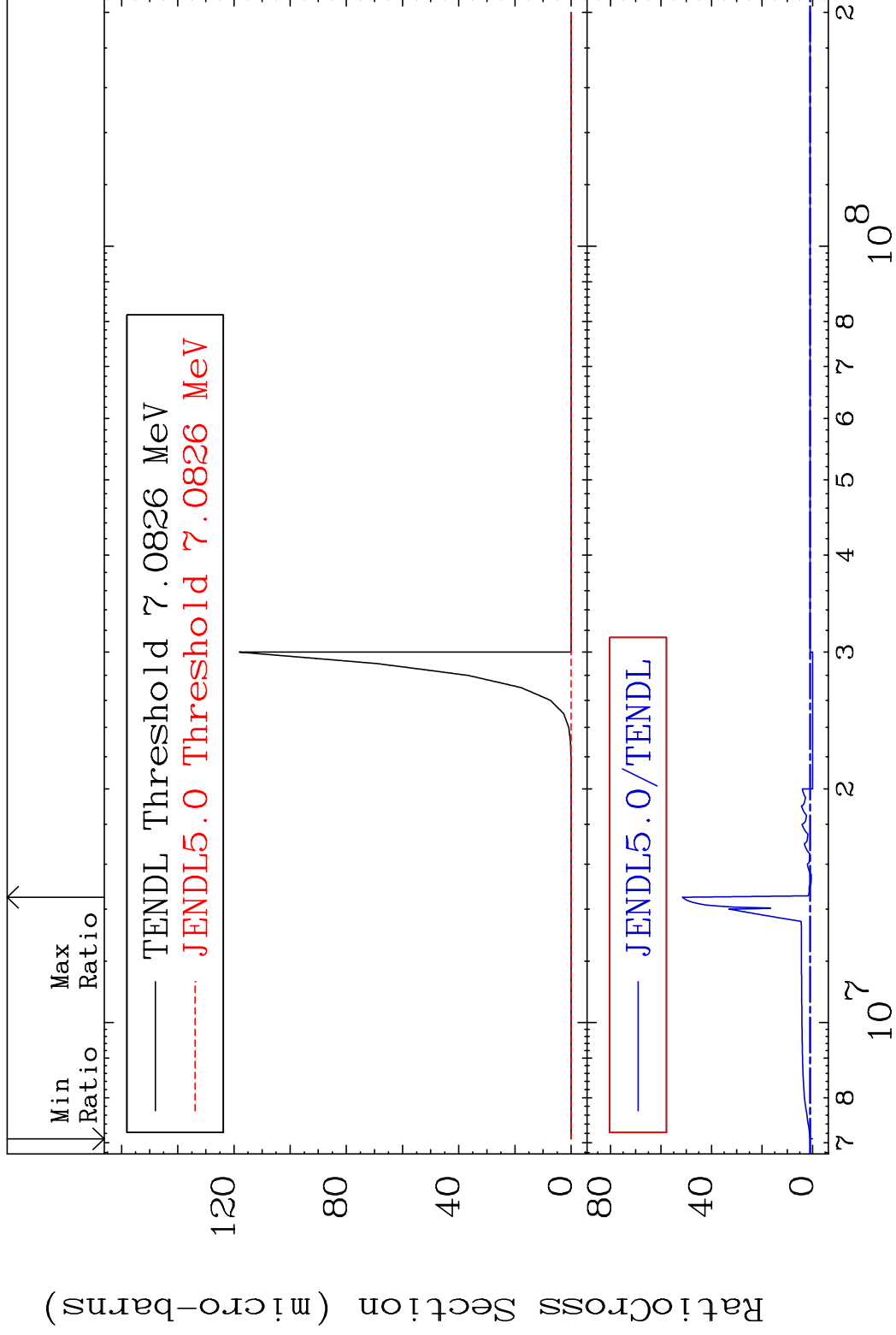
77-Ir-193

MAT 7731

(n, He-3)

77-Ir-193

Cross Section -100.0 To 5054. %



47

Incident Energy (eV)

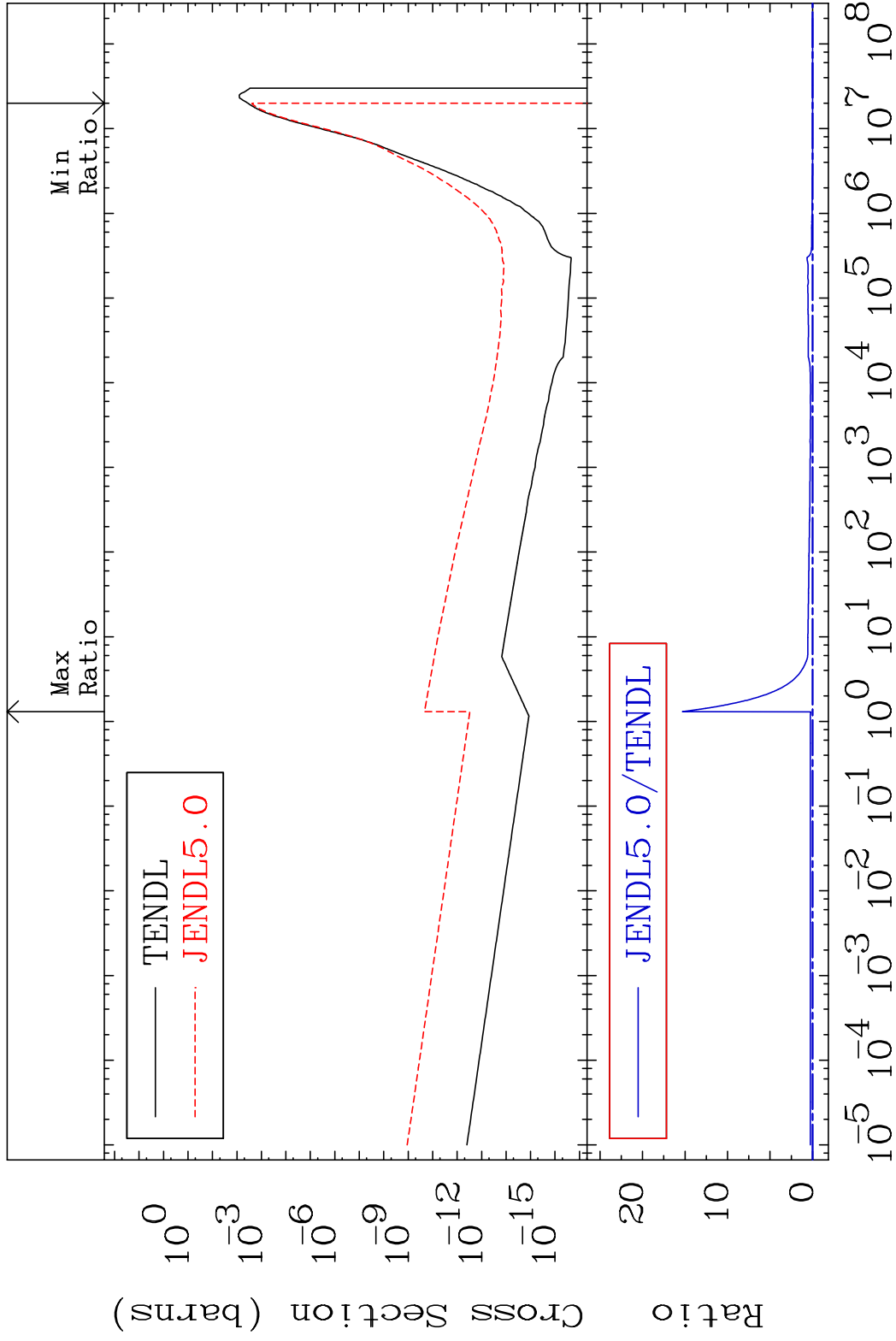
77-Ir-193

MAT 7731

(n, α)

77-Ir-193

Cross Section -100.0 To 9999. %

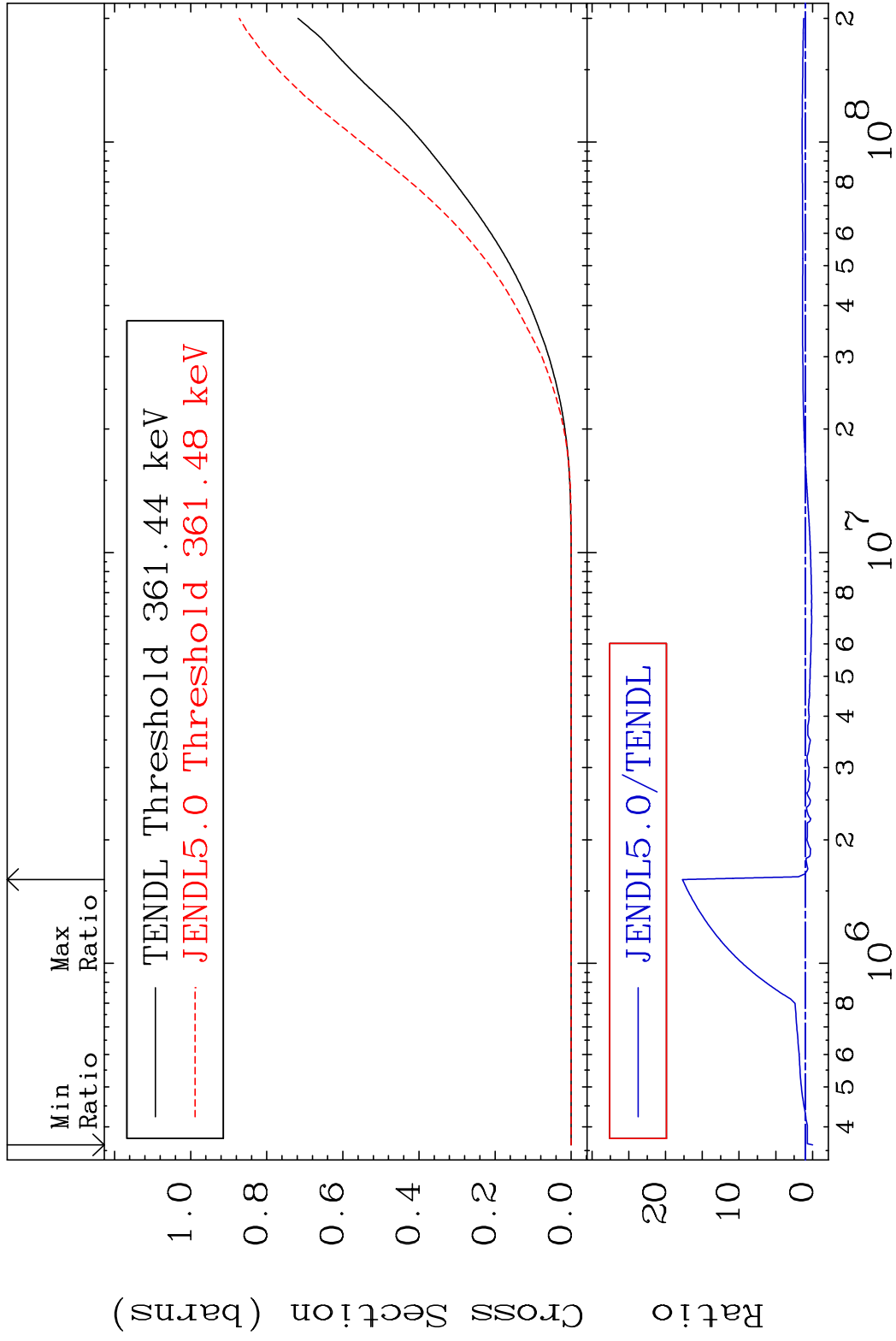


48

Incident Energy (eV)

77-Ir-193

Cross Section -100.0 To 1671. %

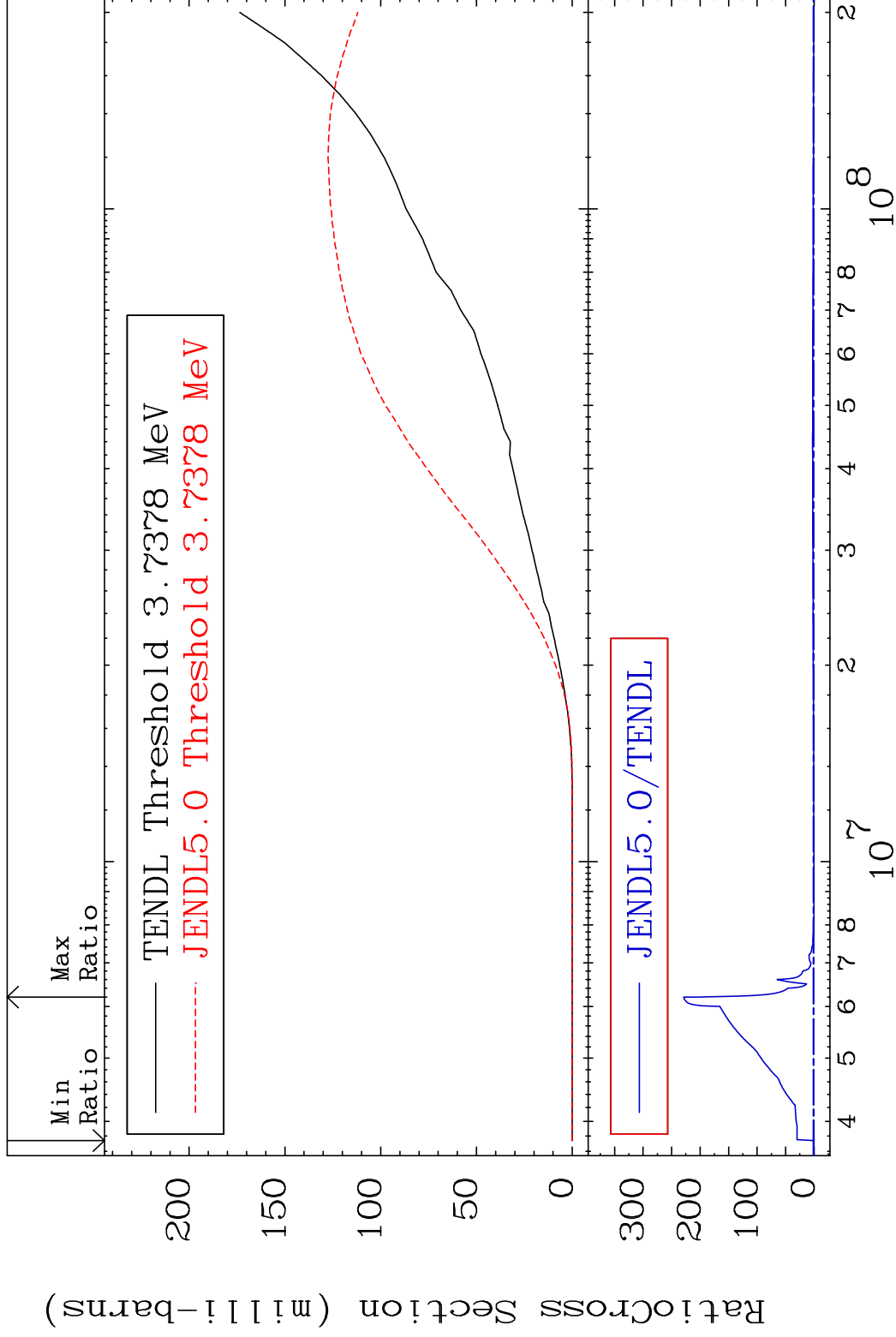


MAT 7731

Deuterium Production

77-Ir-193

Cross Section -100.0 To 9999. %



50

Incident Energy (eV)

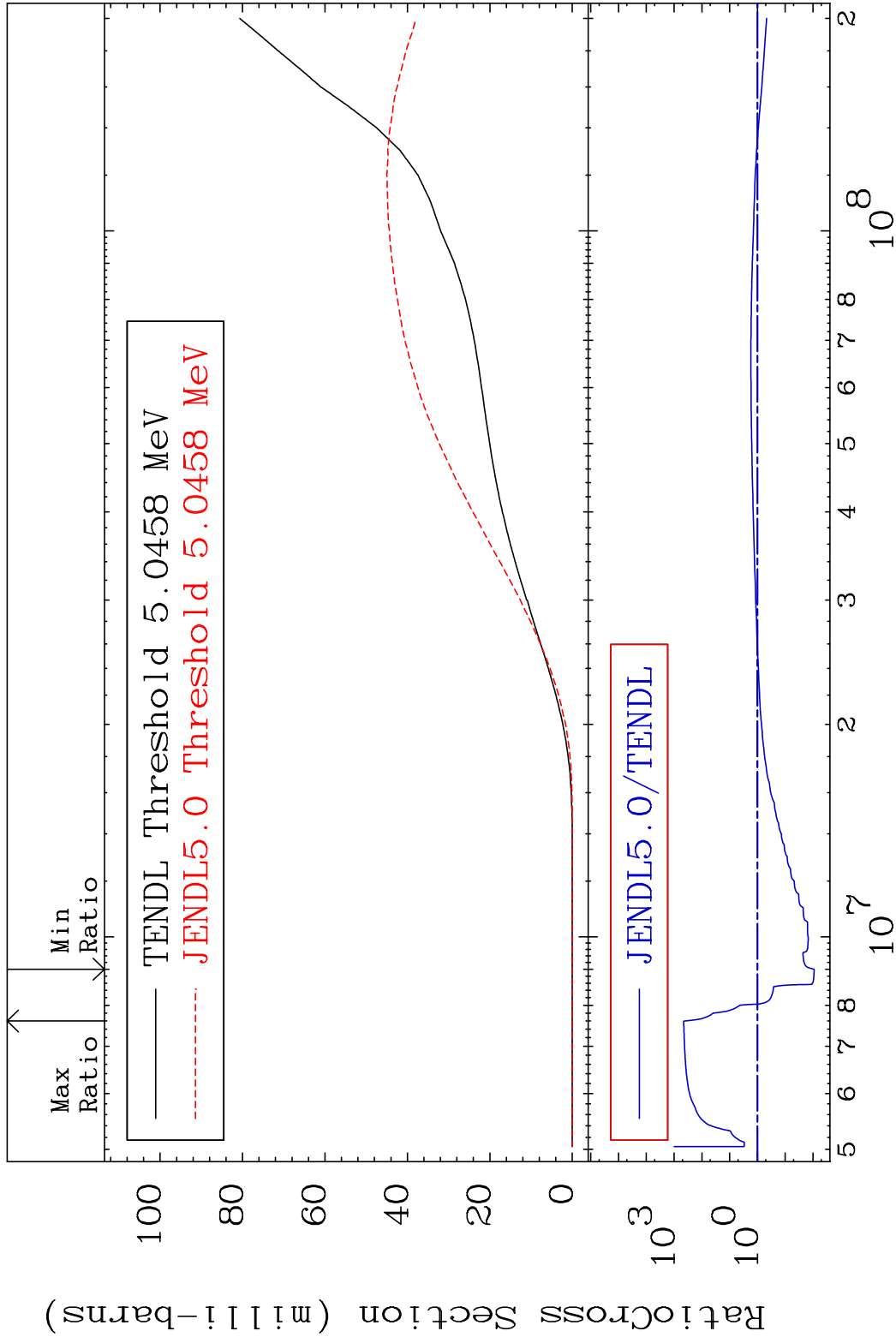
77-Ir-193

MAT 7731

Tritium Production

77-Ir-193

Cross Section -99.09 To 9999. %

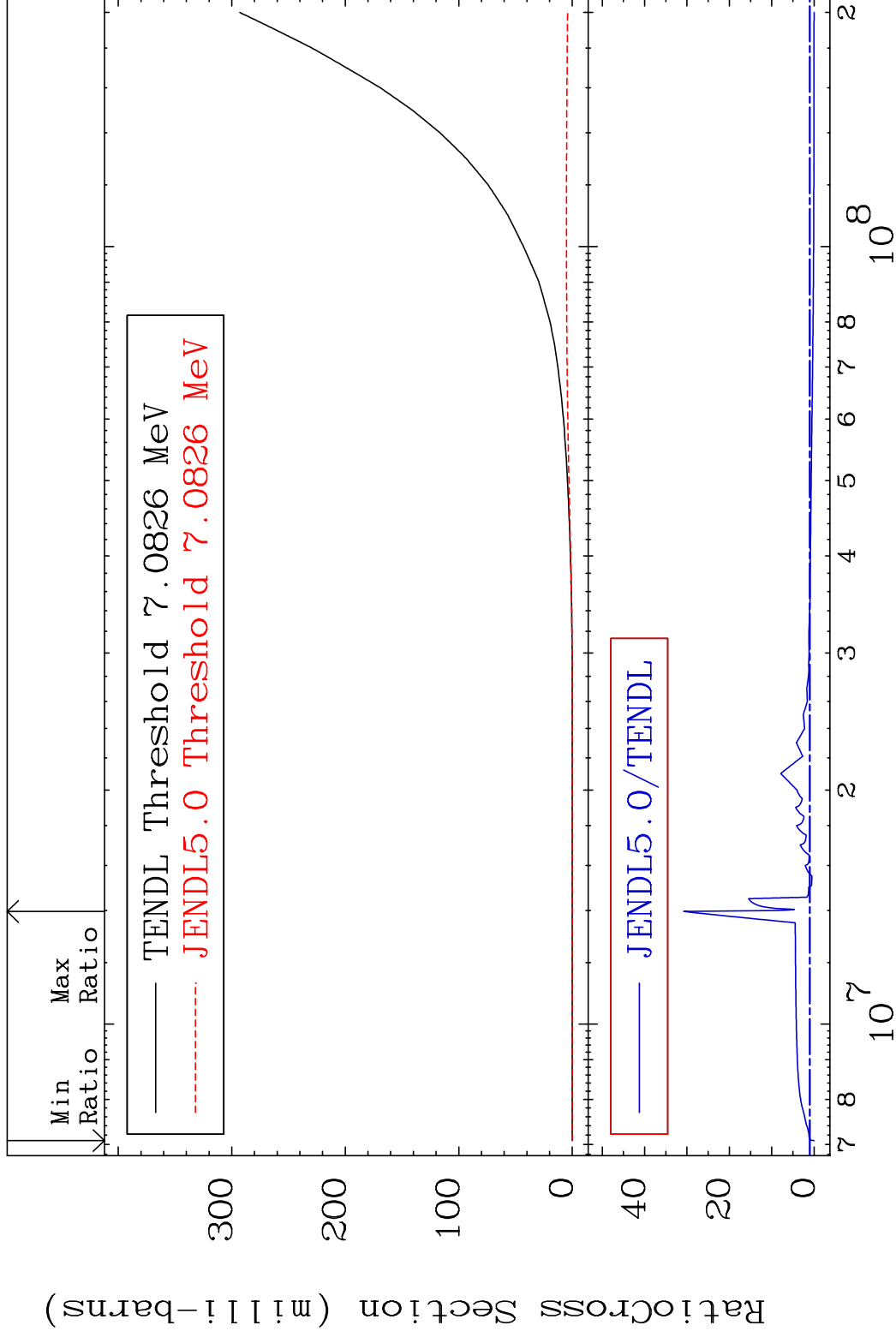


MAT 7731

He-3 Production

77-Ir-193

Cross Section -100.0 To 2979. %



52

Incident Energy (eV)

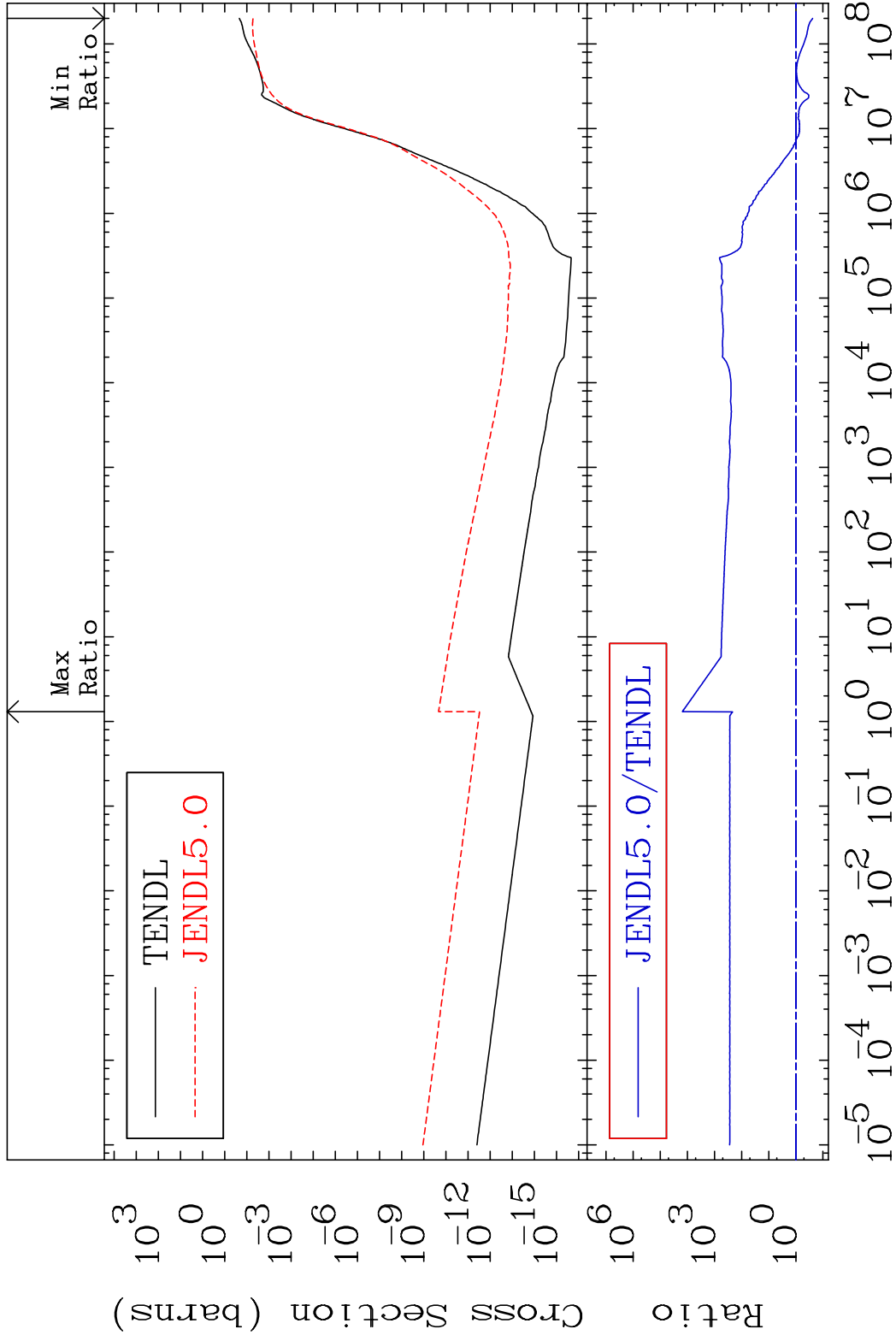
77-Ir-193

MAT 7731

He-4 Production

77-Ir-193

Cross Section -75.77 To 9999. %

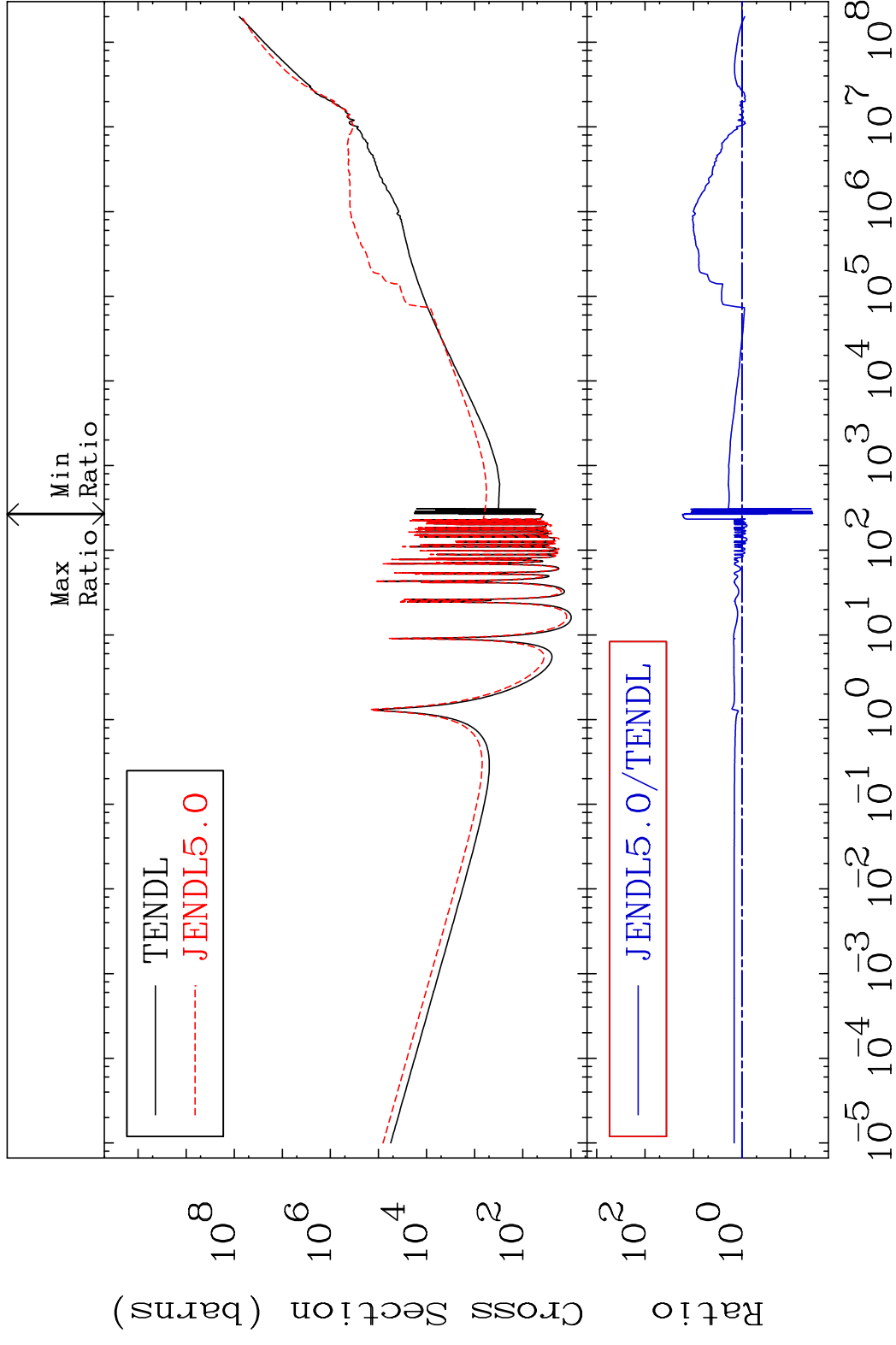


53

Incident Energy (eV)

77-Ir-193

MAT 7731 Kerma total (eV-barns) 77-Ir-193
 Cross Section -96.50 To 1598. %

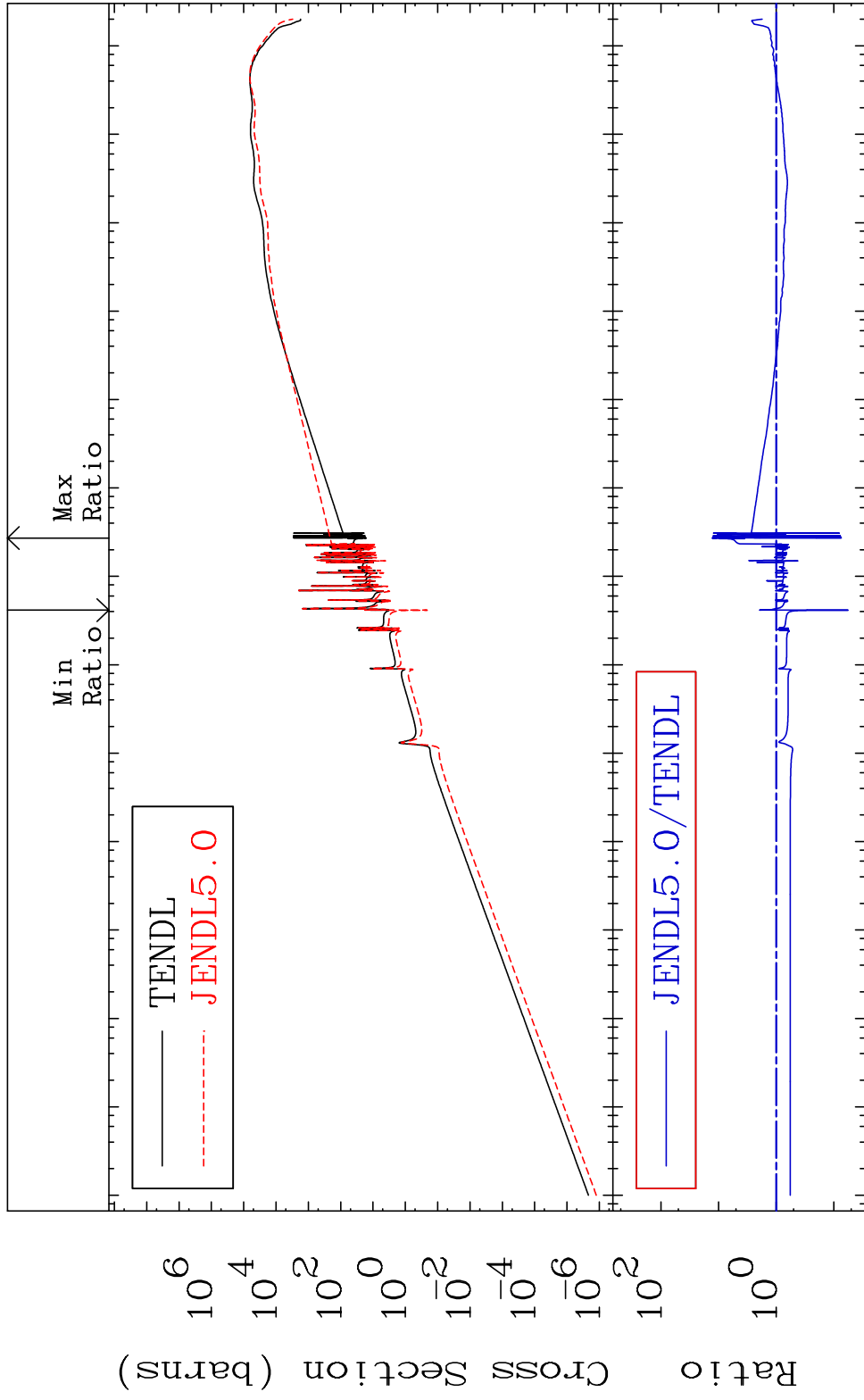


MAT 7731

Kerma elastic

77-Ir-193

Cross Section -94.40 To 1184. %



Ratio

10⁶

10⁴

10²

10⁰

10⁻²

10⁻⁴

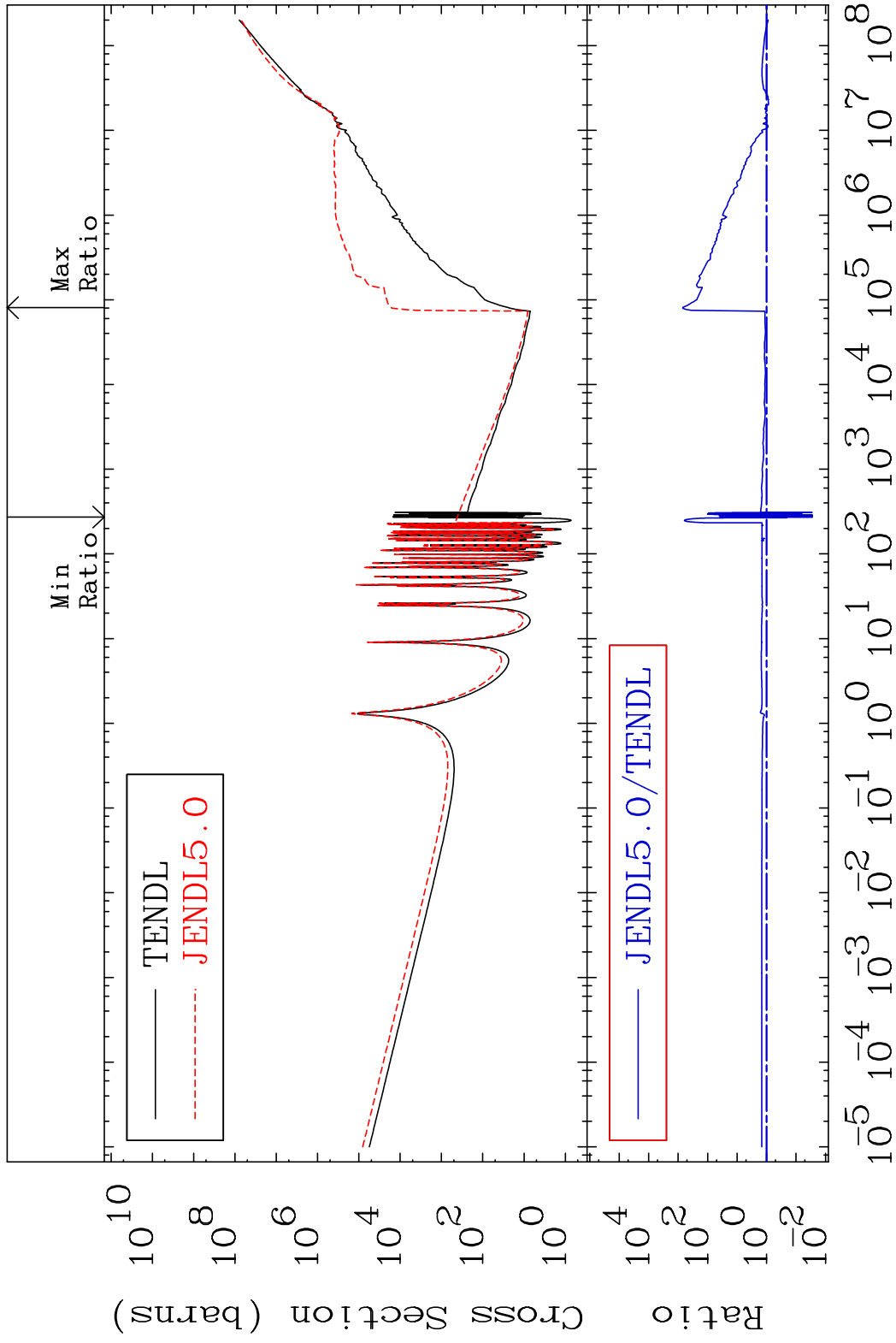
10⁻⁶

10²

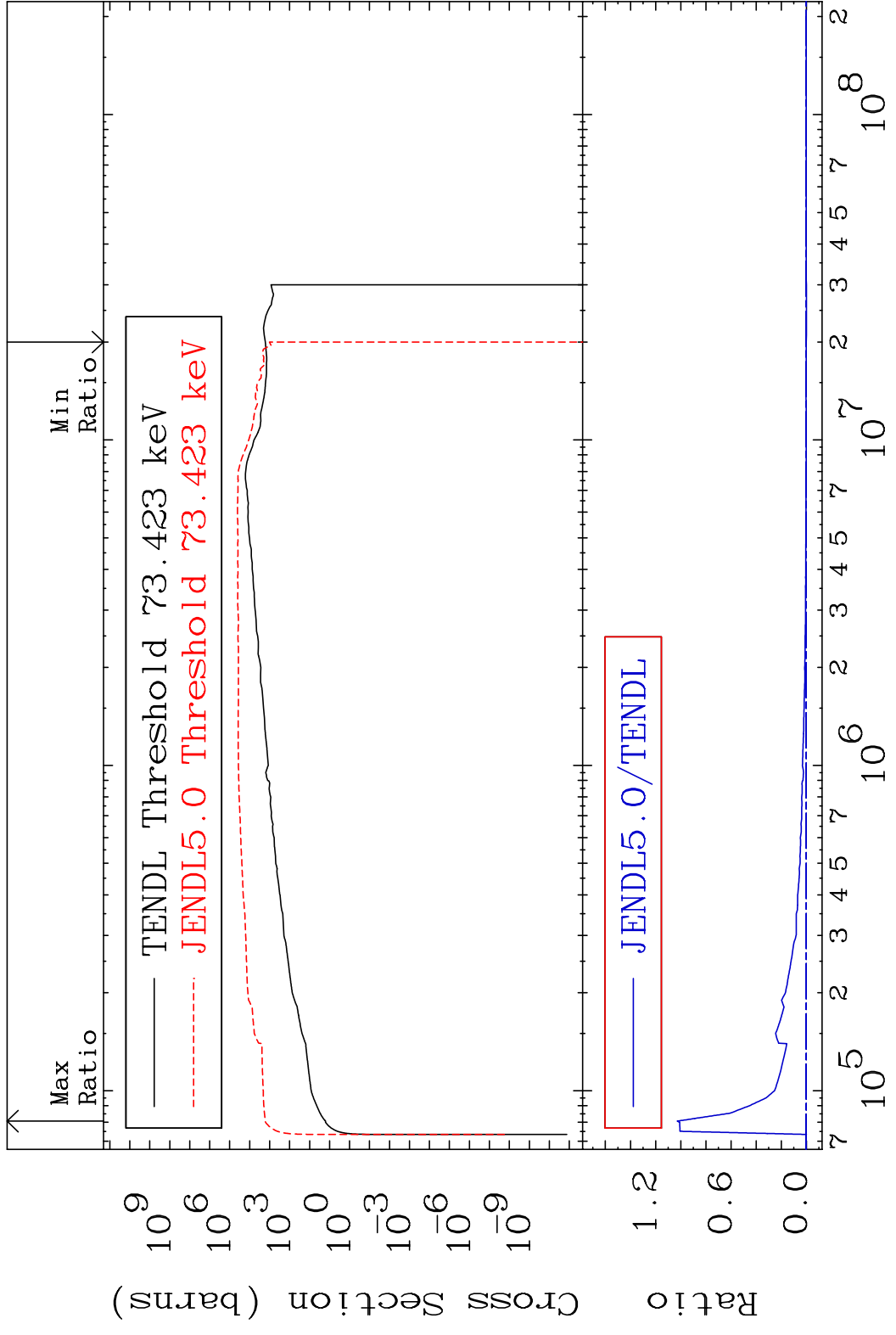
10⁰

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

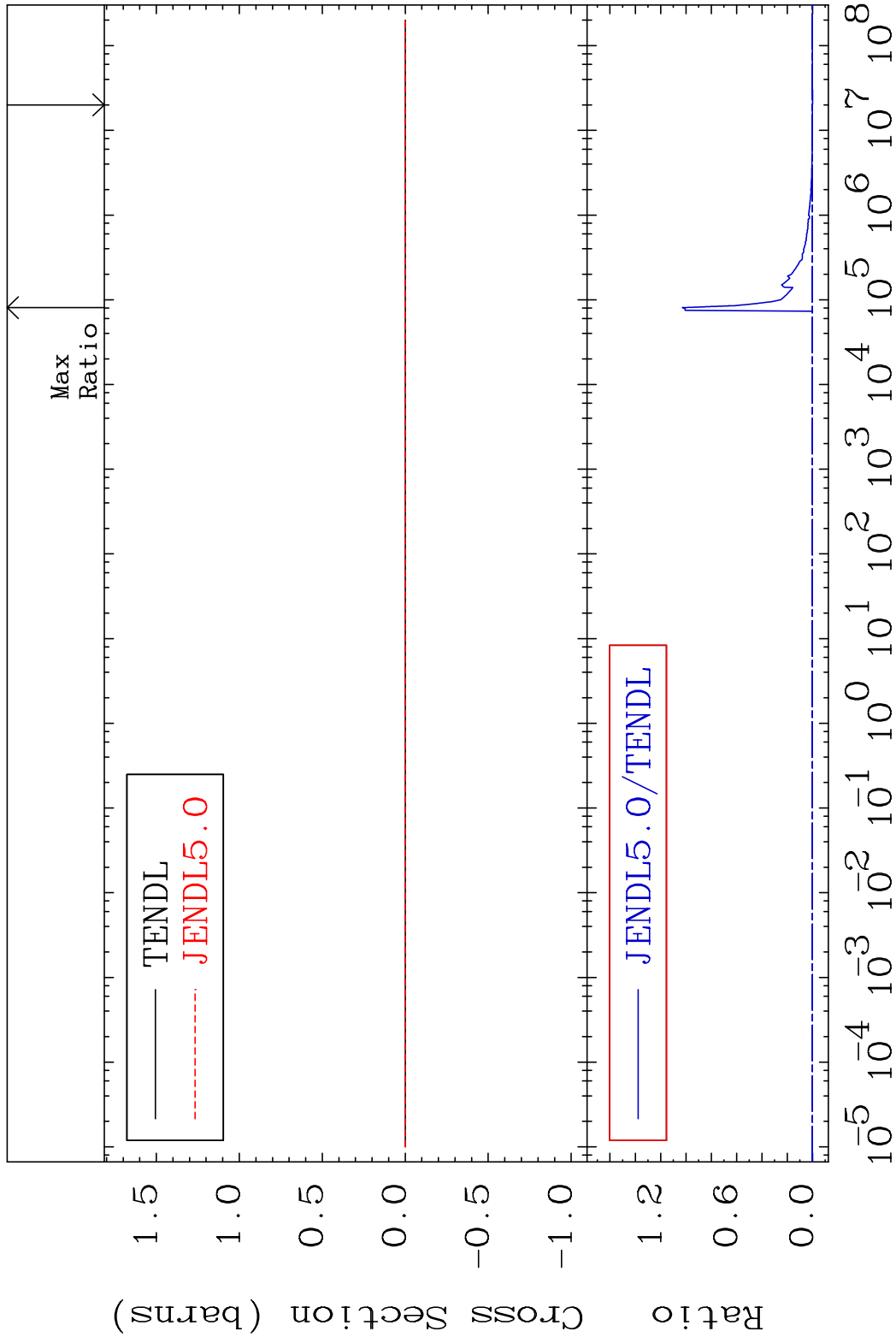
MAT 7731 Kerma non-elastic (all but mt2) 77-Ir-193
 Cross Section -97.25 To 9999. %



MAT 7731 Kerma inelastic (mt51-91) 77-Ir-193
 Cross Section -100.0 To 9999. %



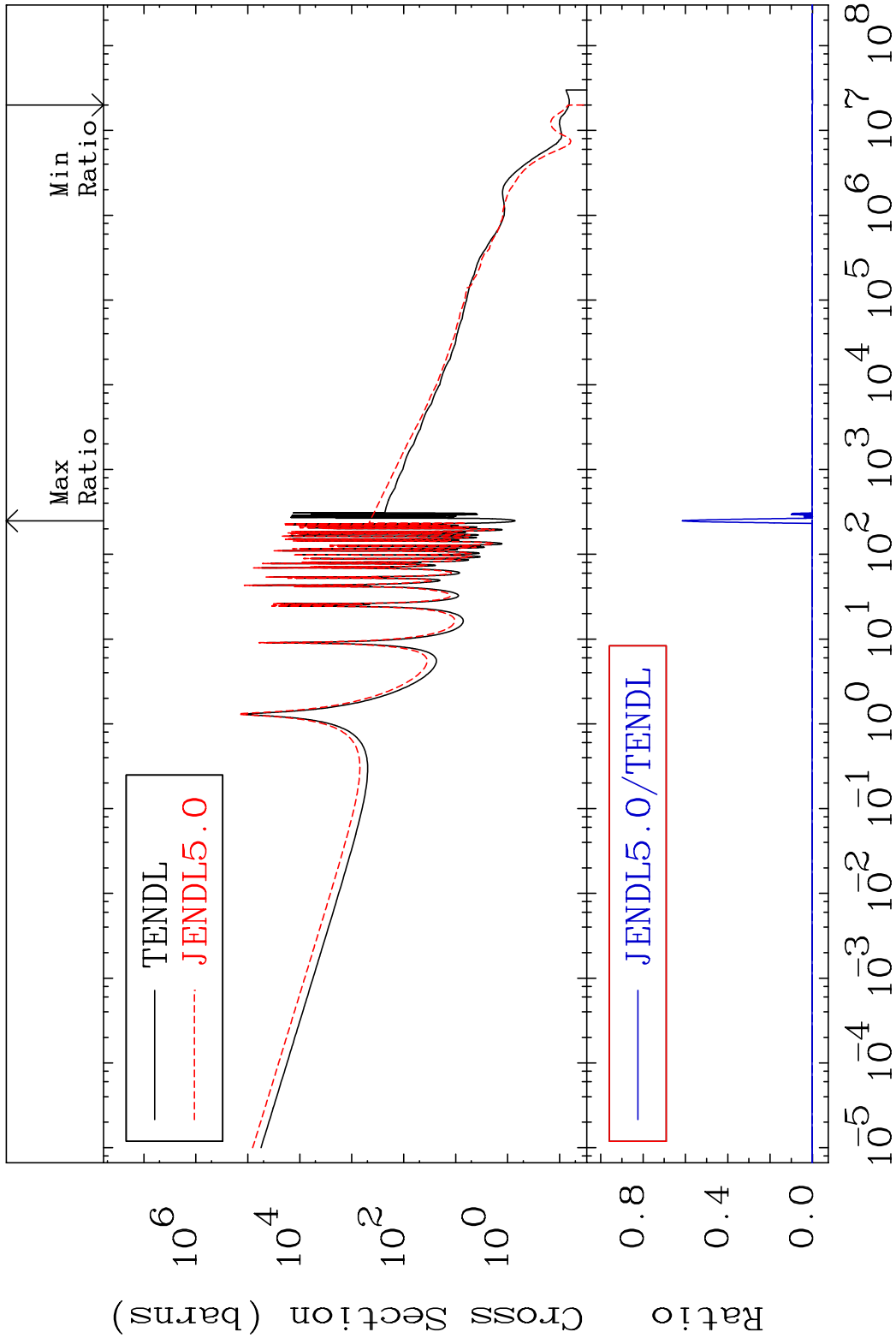
MAT 7731 Kerma fission (mt18 or mt19-20-21-38)77-Ir-193
 Cross Section -100.0 To 9999. %



MAT 7731

Kerma capture (mt102) 77-Ir-193

Cross Section -100.0 To 9999. %



59

Incident Energy (eV)

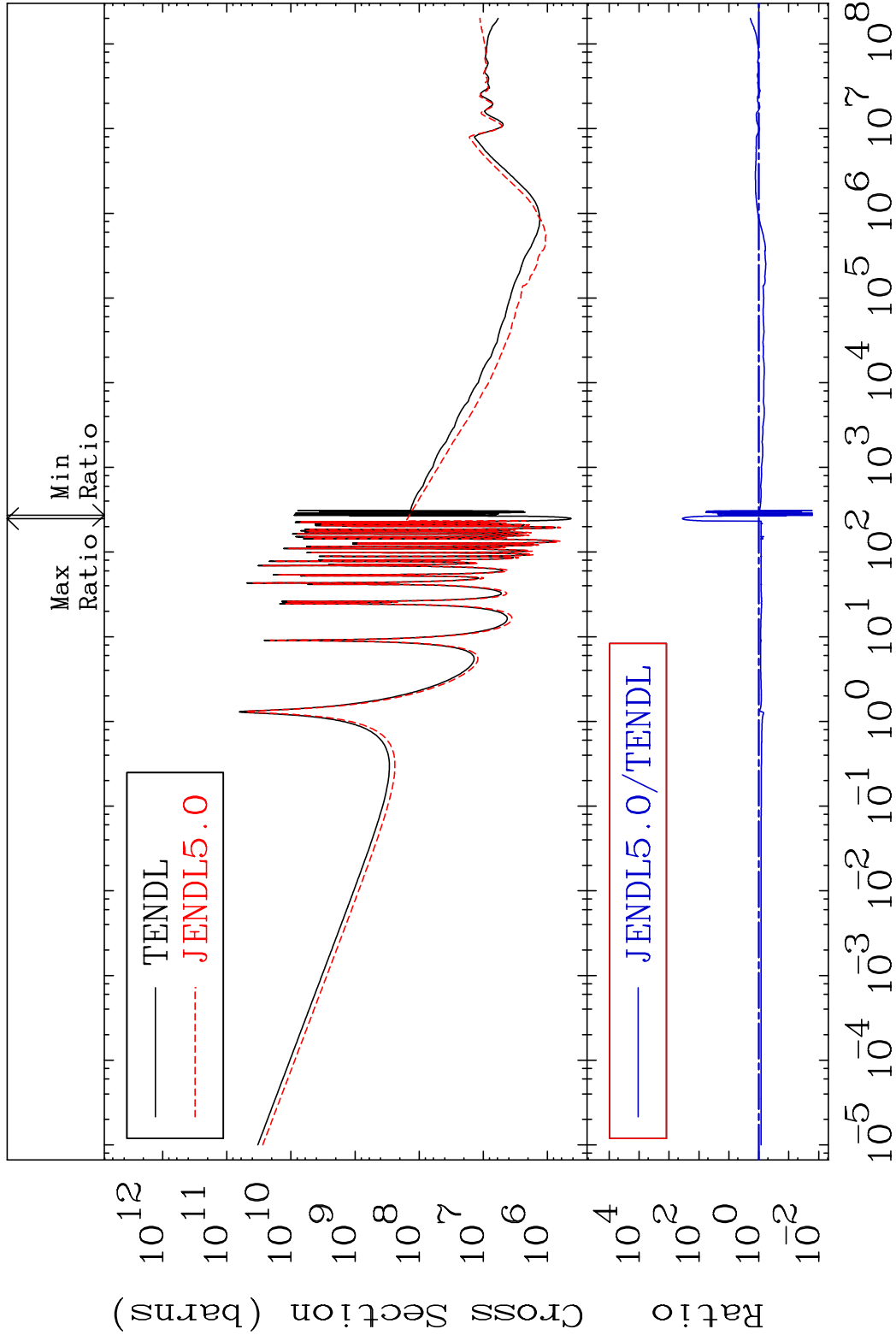
77-Ir-193

MAT 7731

Total photon (eV-barns)

77-Ir-193

Cross Section -98.40 To 9999. %

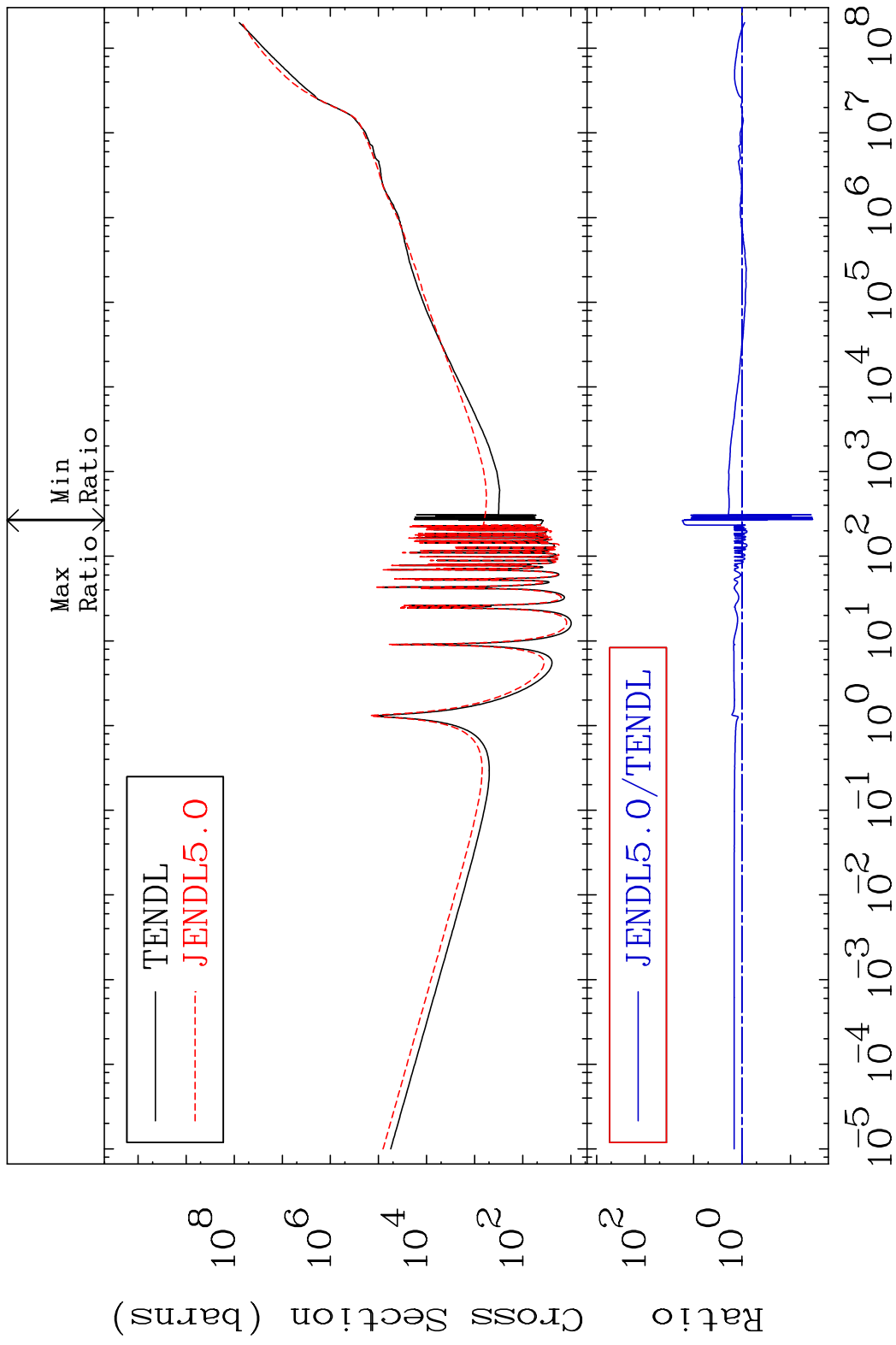


60

Incident Energy (eV)

77-Ir-193

MAT 7731 Total kinematic kerma (high limit) 77-Ir-193
 Cross Section -96.50 To 1598. %

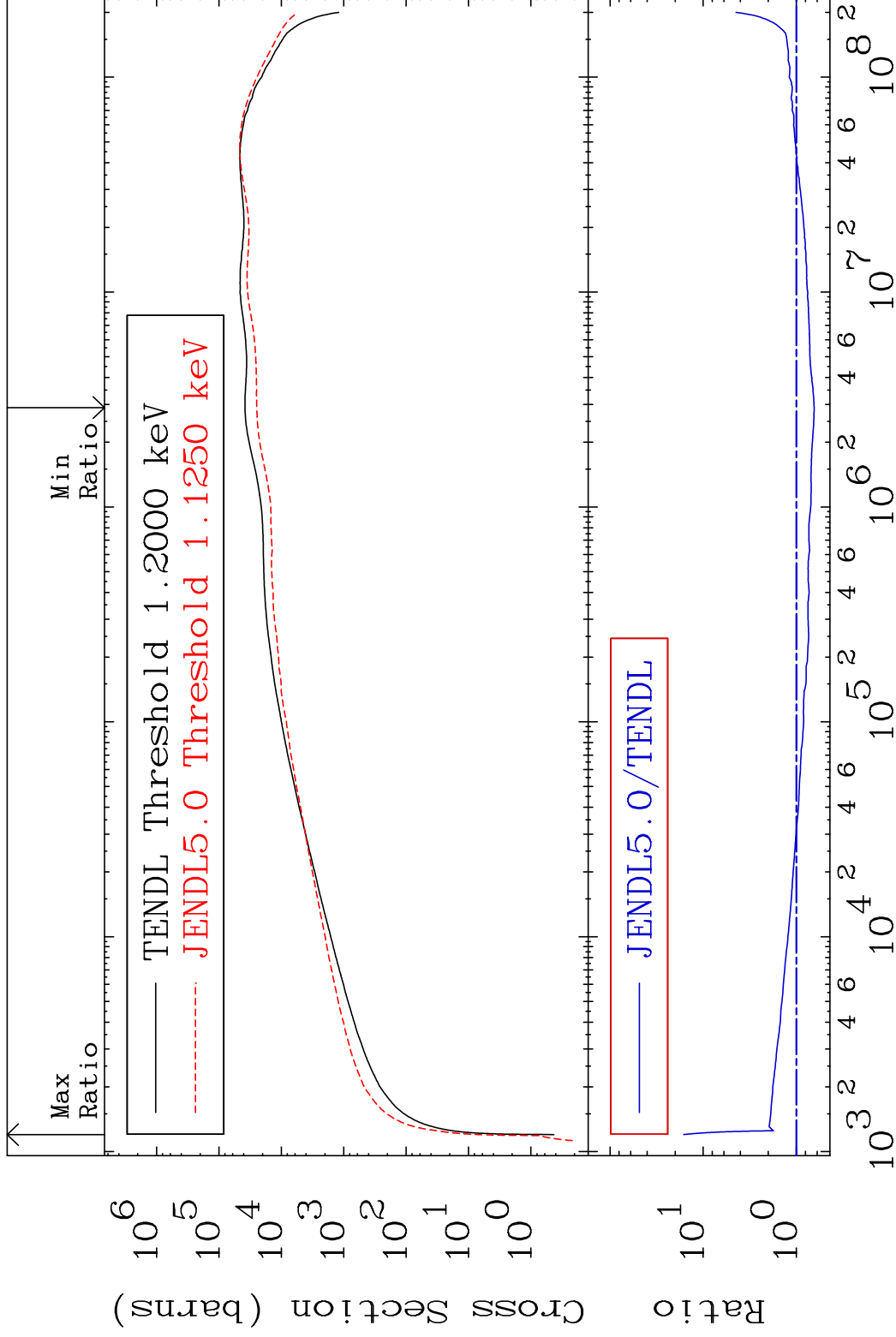


MAT 7731

Dpa elastic (mt2)

77-Ir-193

Cross Section -35.48 To 1521. %

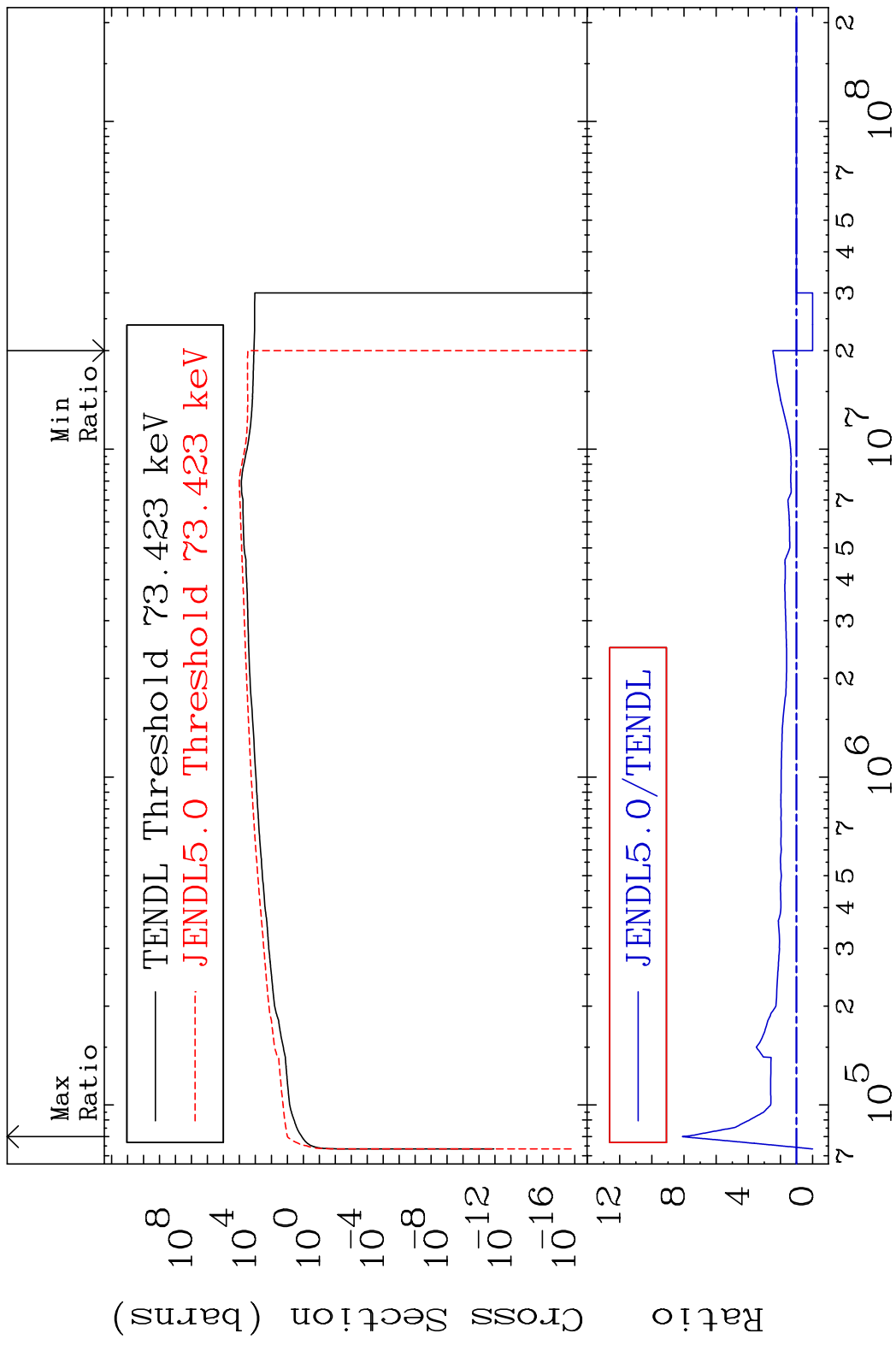


63

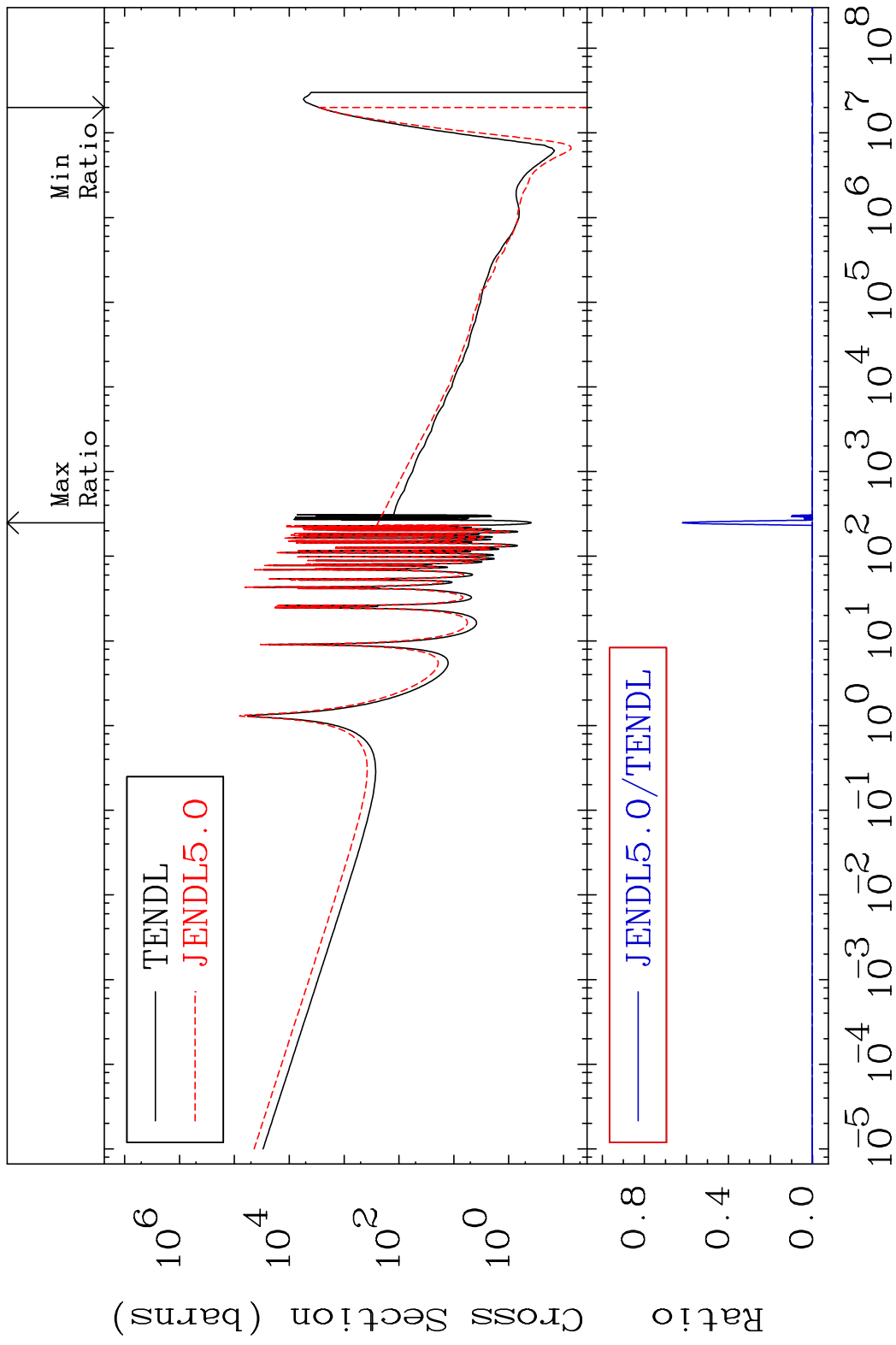
Incident Energy (eV)

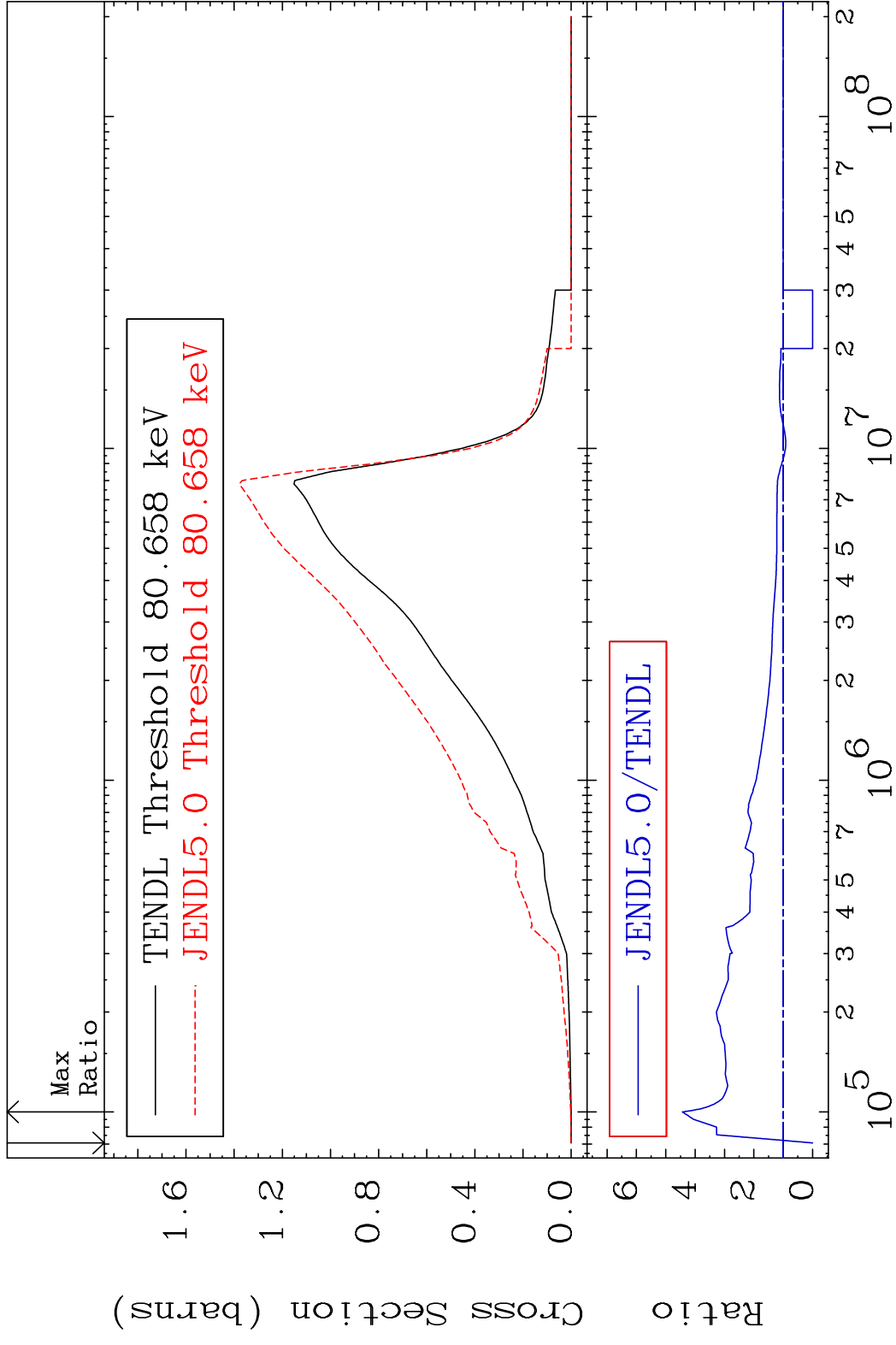
77-Ir-193

MAT 7731 Dpa inelastic (mt51-91) 77-Ir-193
 Cross Section -100.0 To 710.4 %

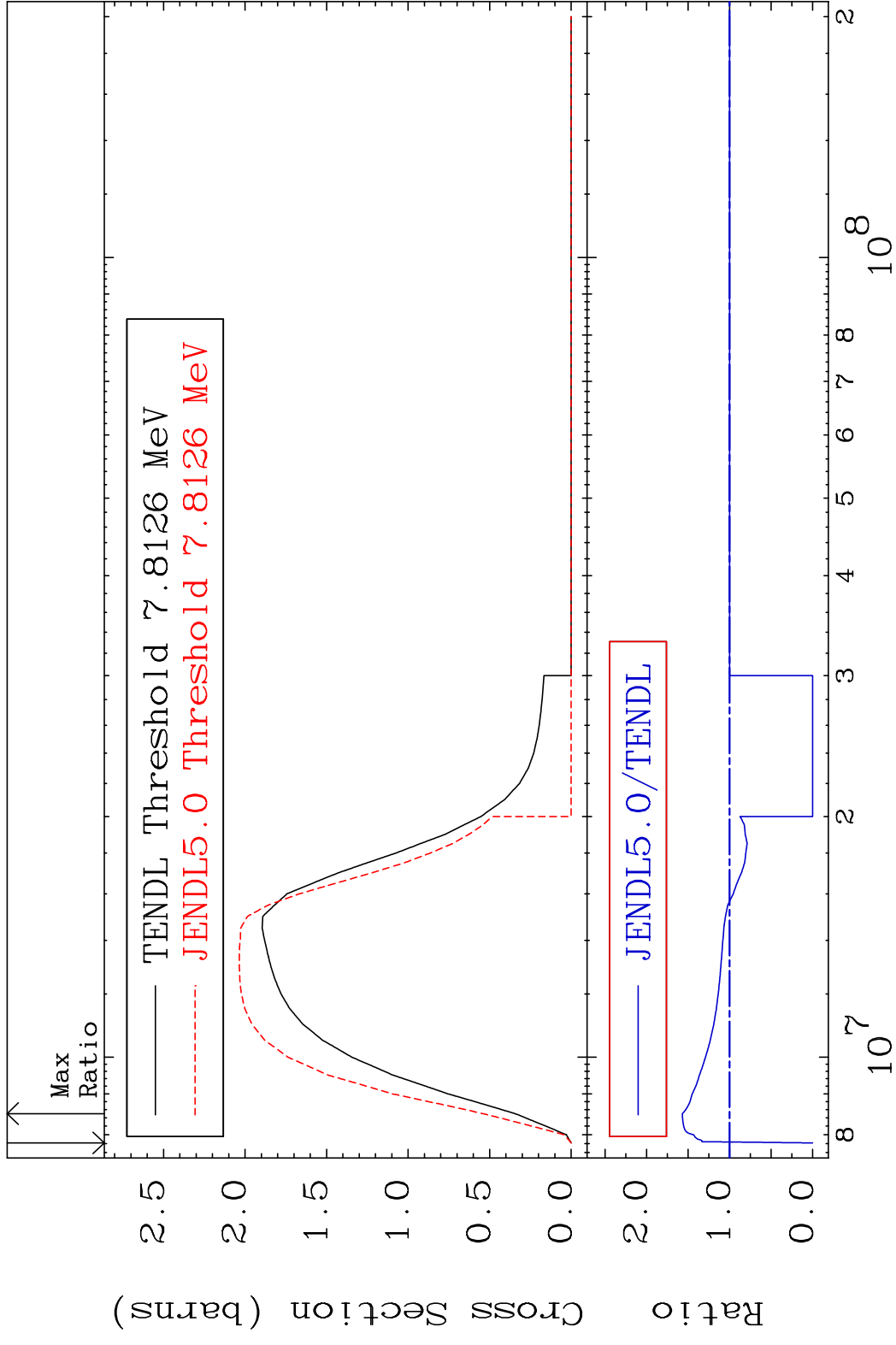


MAT 7731 Dpa disappearance (mt102 -120) 77-Ir-193
 Cross Section -100.0 To 9999. %





MAT 7731 (n,2n):77-Ir-192g 77-Ir-193
 Radionuclide Production Cross Section 56.88 %



MAT 7731 (n,2n):77-Ir-192m3 77-Ir-193
 Radionuclide Production Cross Section 180.0 mb 0.000 %

