

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

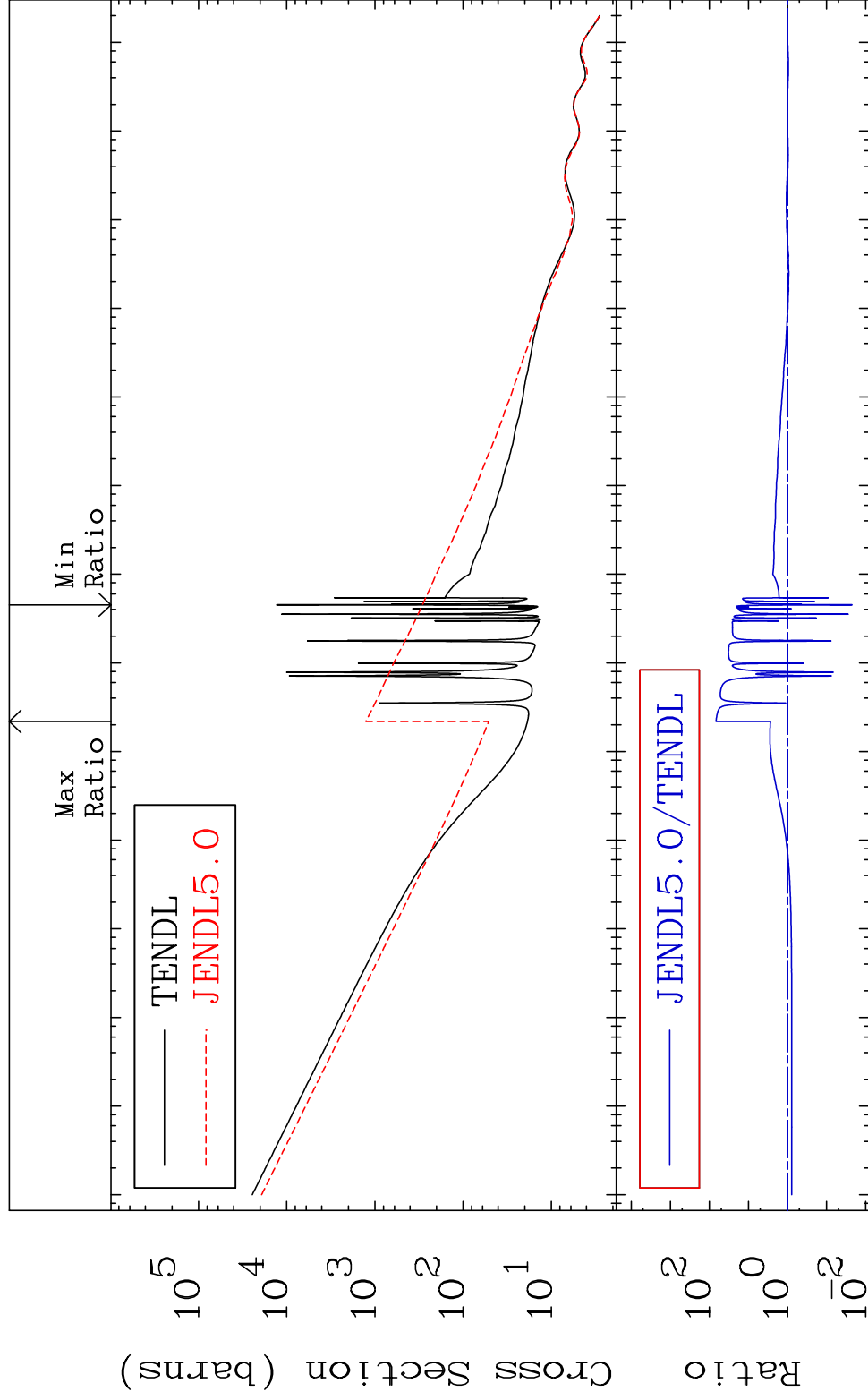
Press Mouse Button to Start

MAT 7646

Total

76-0s-191

Cross Section -97.79 To 6697. %



1

Incident Energy (eV)

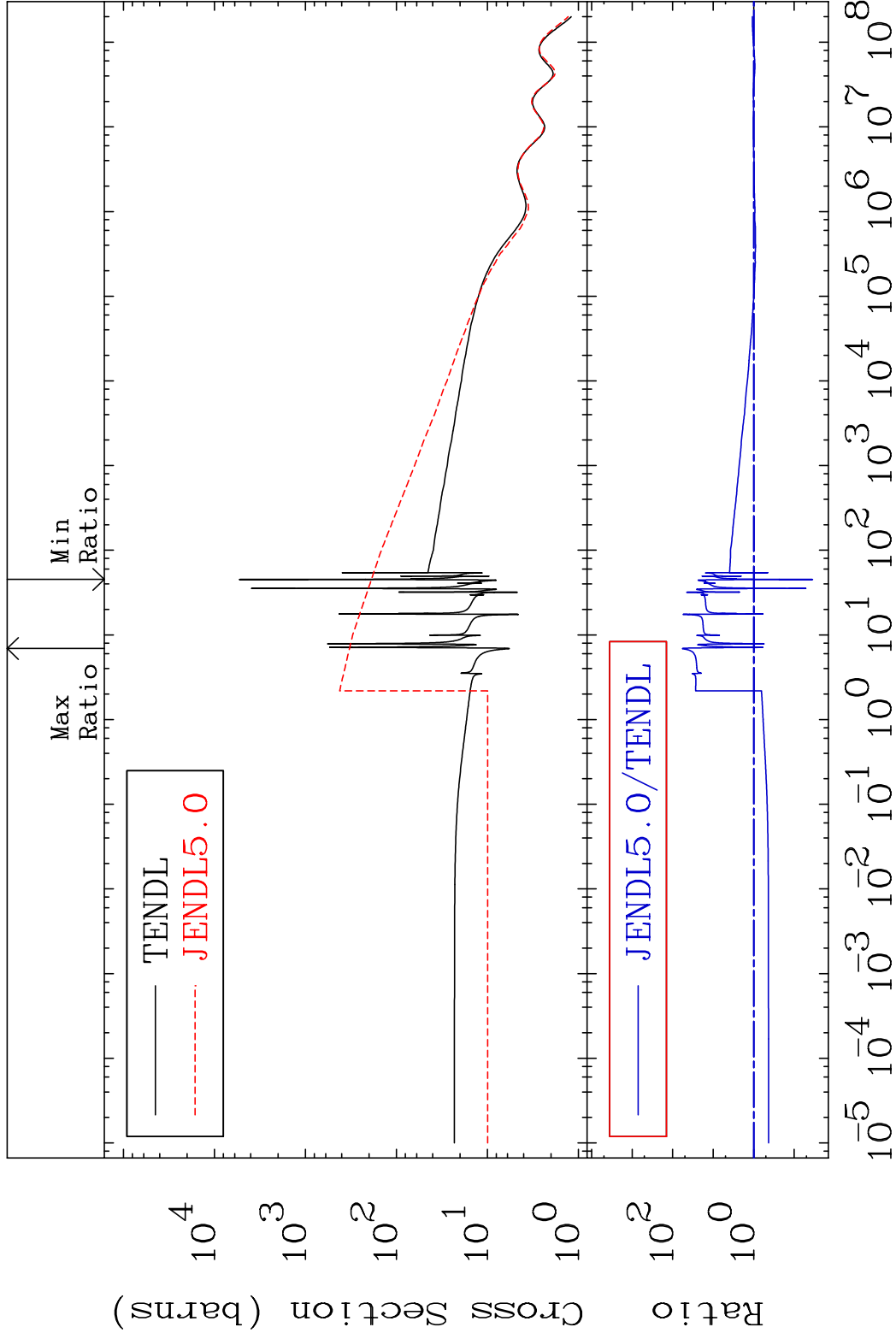
76-0s-191

MAT 7646

Elastic

76-0s-191

Cross Section -96.47 To 5674. %

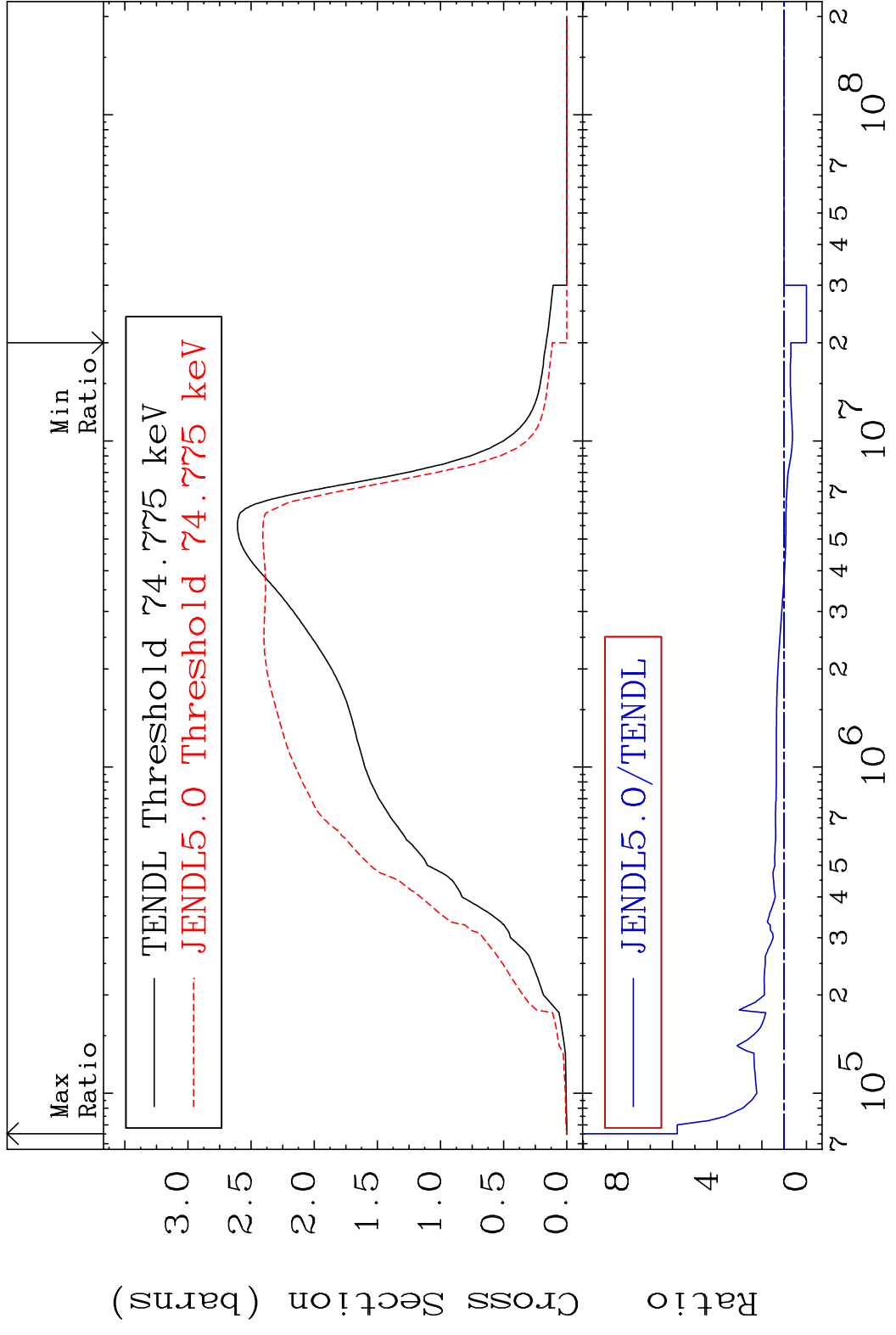


2

Incident Energy (eV)

76-0s-191

MAT 7646 Inelastic 76-Os-191
 Cross Section -100.0 To 479.2 %



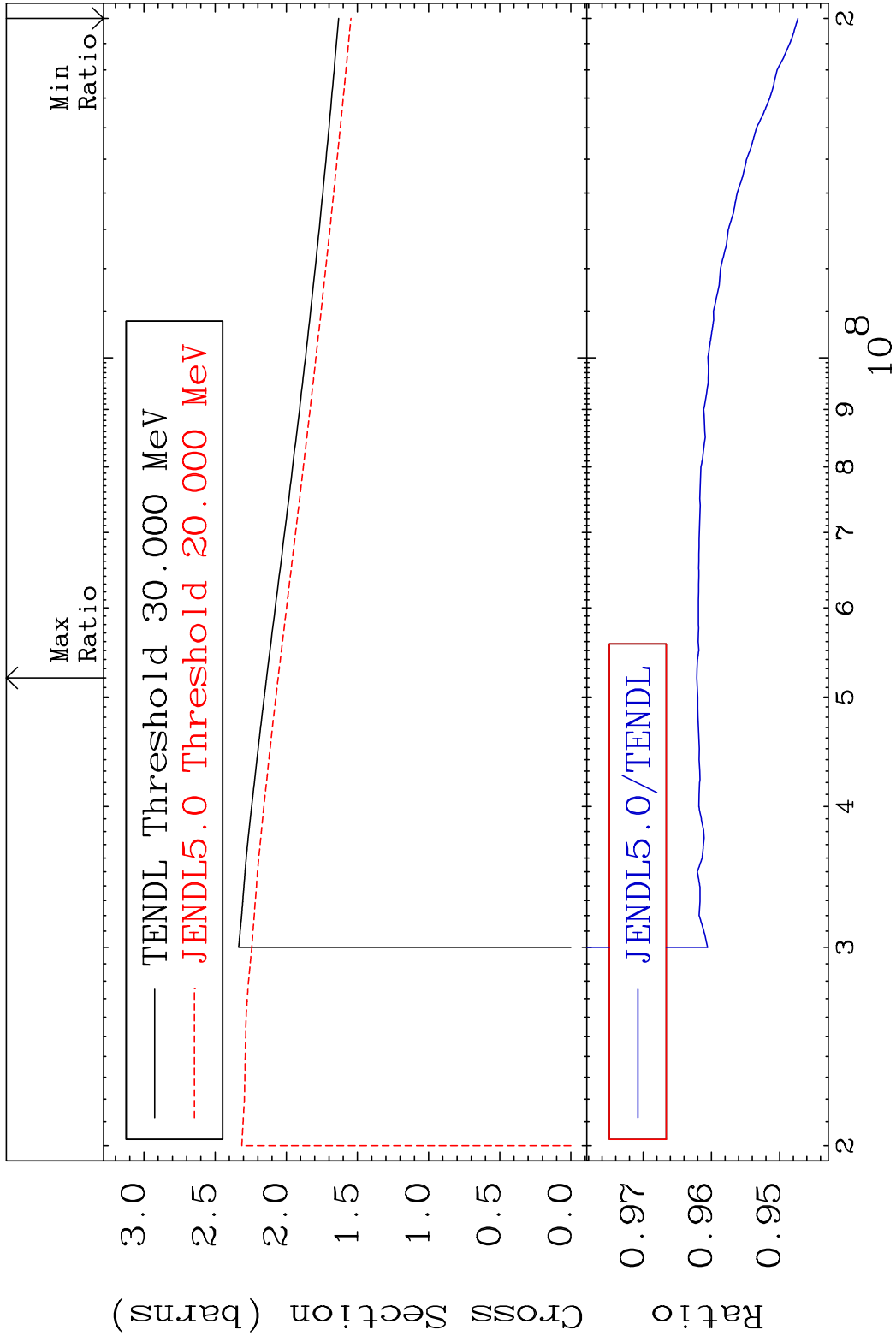
3 76-Os-191

MAT 7646

(n, remainder)

76-Os-191

Cross Section -5.268 To -3.786%

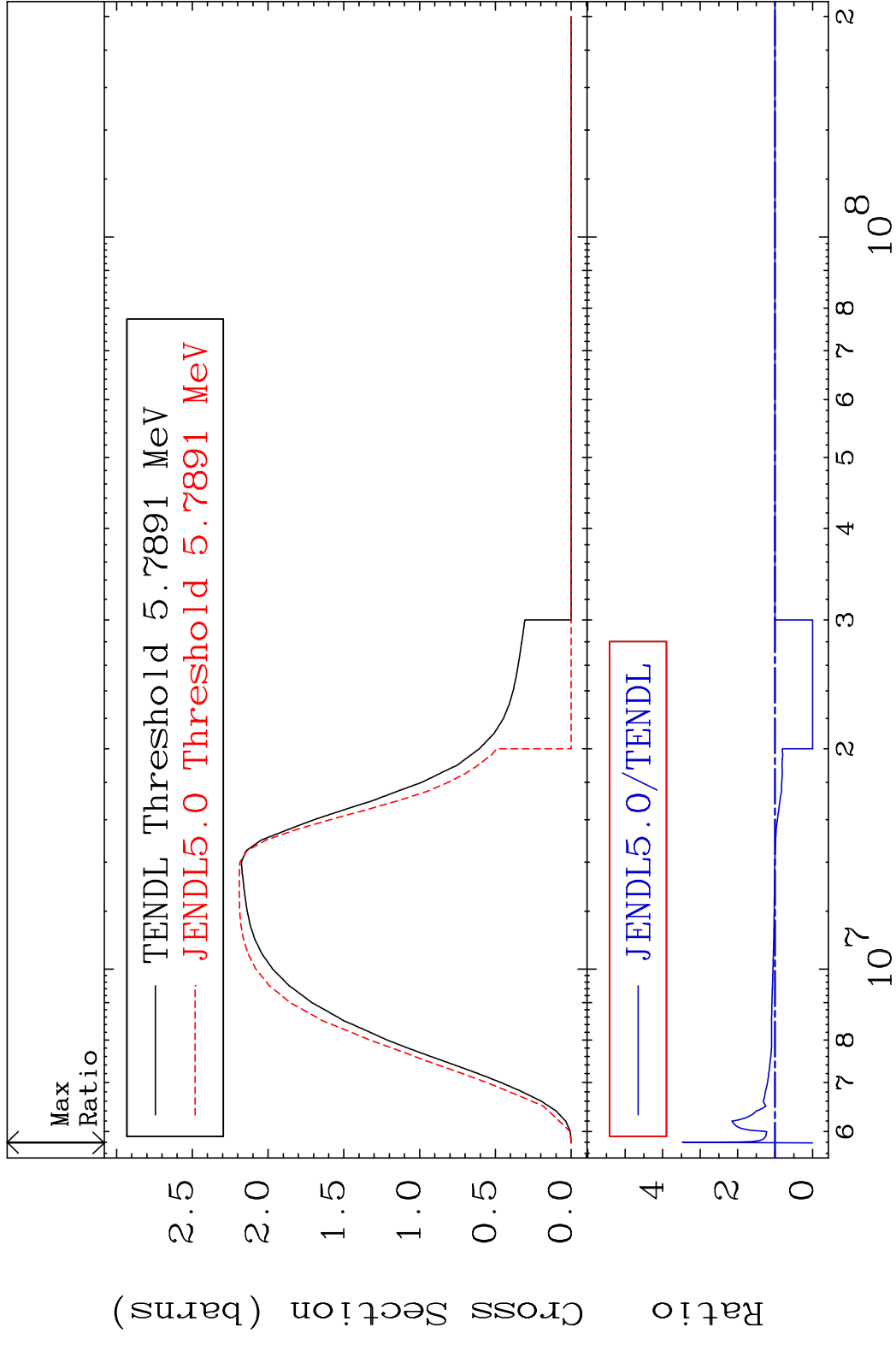


4

Incident Energy (eV)

76-Os-191

MAT 7646 (n,2n) 76-Os-191
 Cross Section -100.0 To 247.4 %



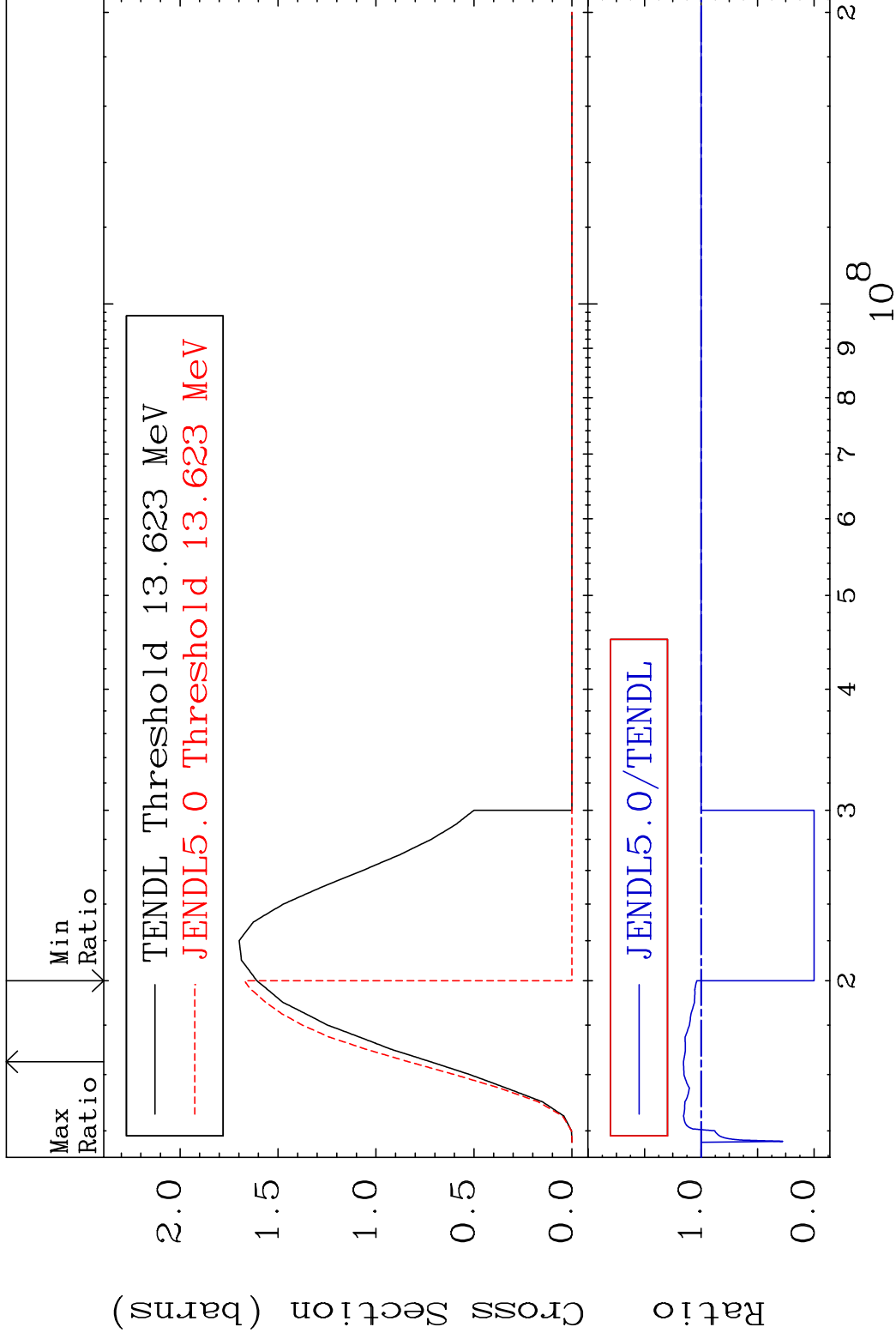
5 76-Os-191

MAT 7646

(n,3n)

76-Os-191

Cross Section -100.0 To 15.61 %



6

Incident Energy (eV)

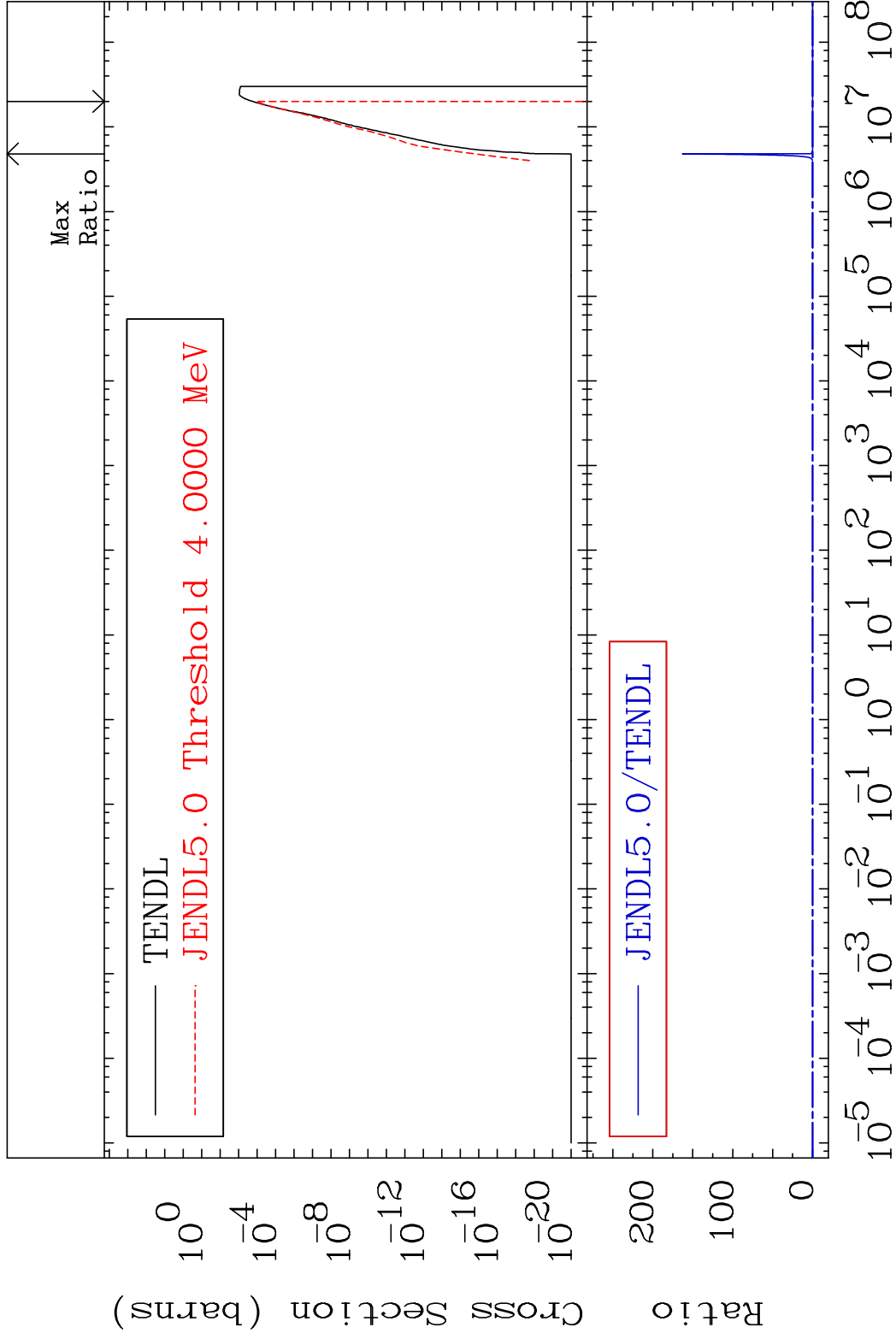
76-Os-191

MAT 7646

(n, n') α

76-Os-191

Cross Section -100.0 To 9999. %

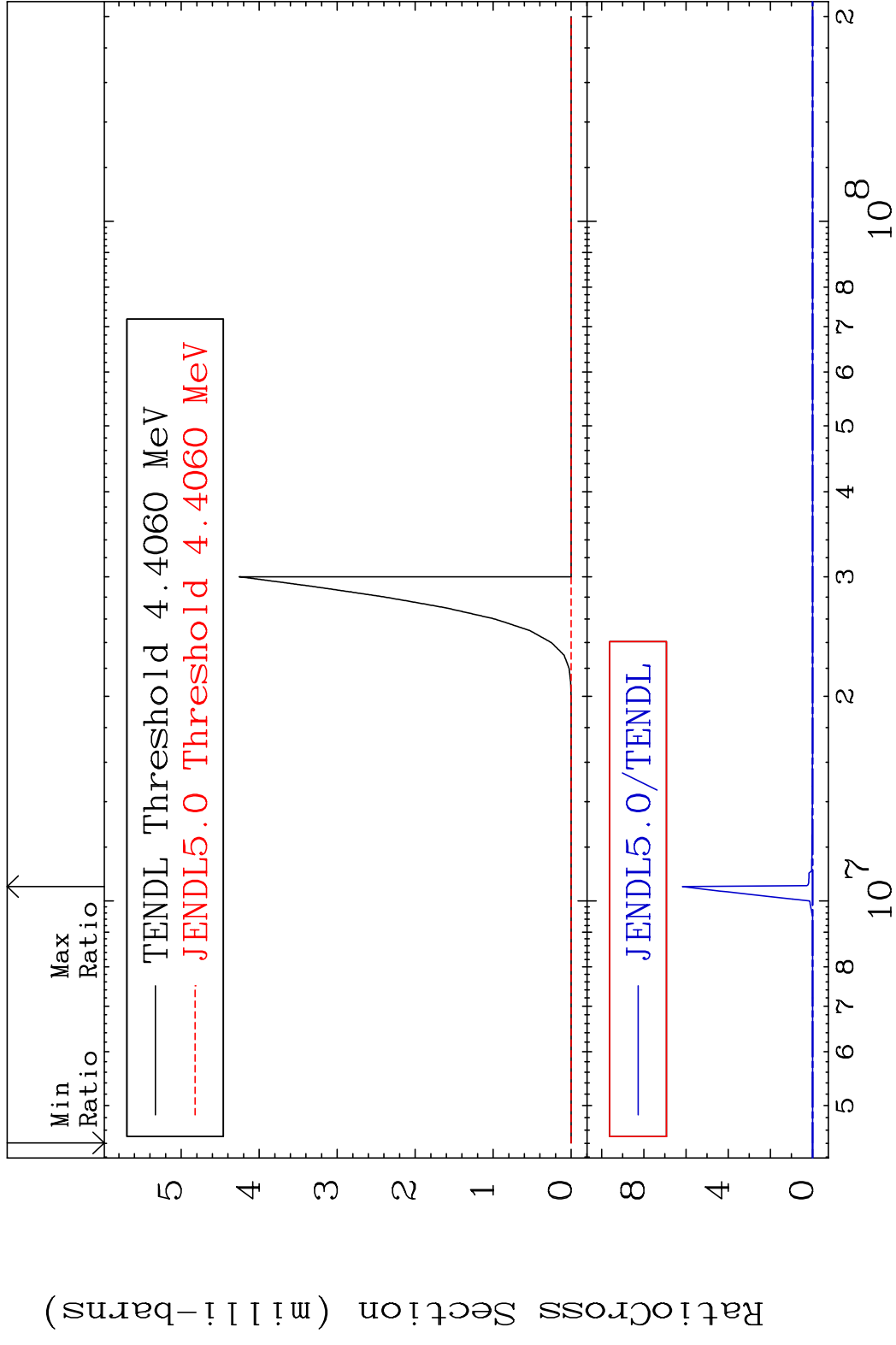


7

Incident Energy (eV)

76-Os-191

MAT 7646 (n,2n) α 76-0s-191
 Cross Section -100.0 To 9999. %

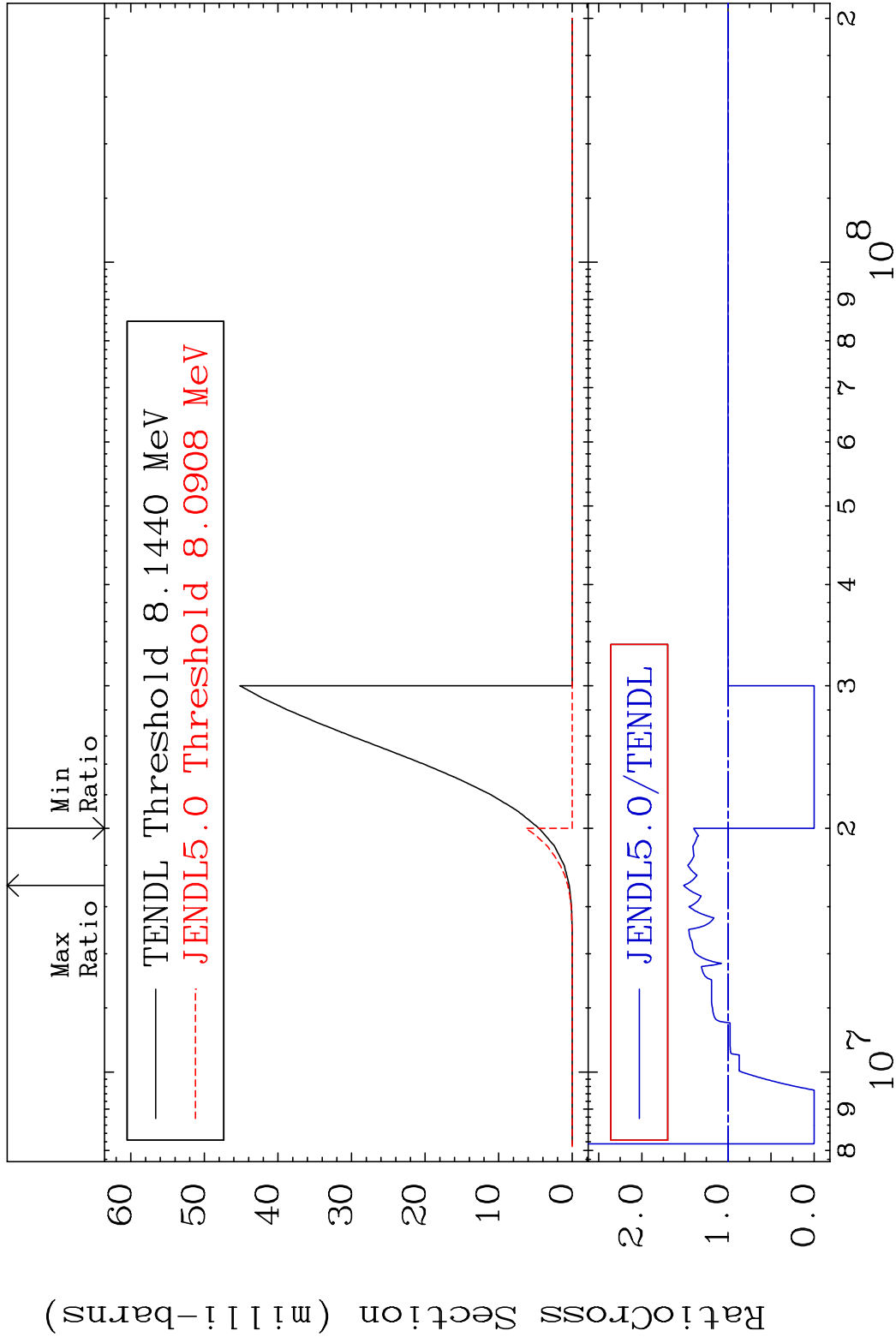


MAT 7646

(n, n') p

76-0s-191

Cross Section -100.0 To 51.42 %



9

Incident Energy (eV)

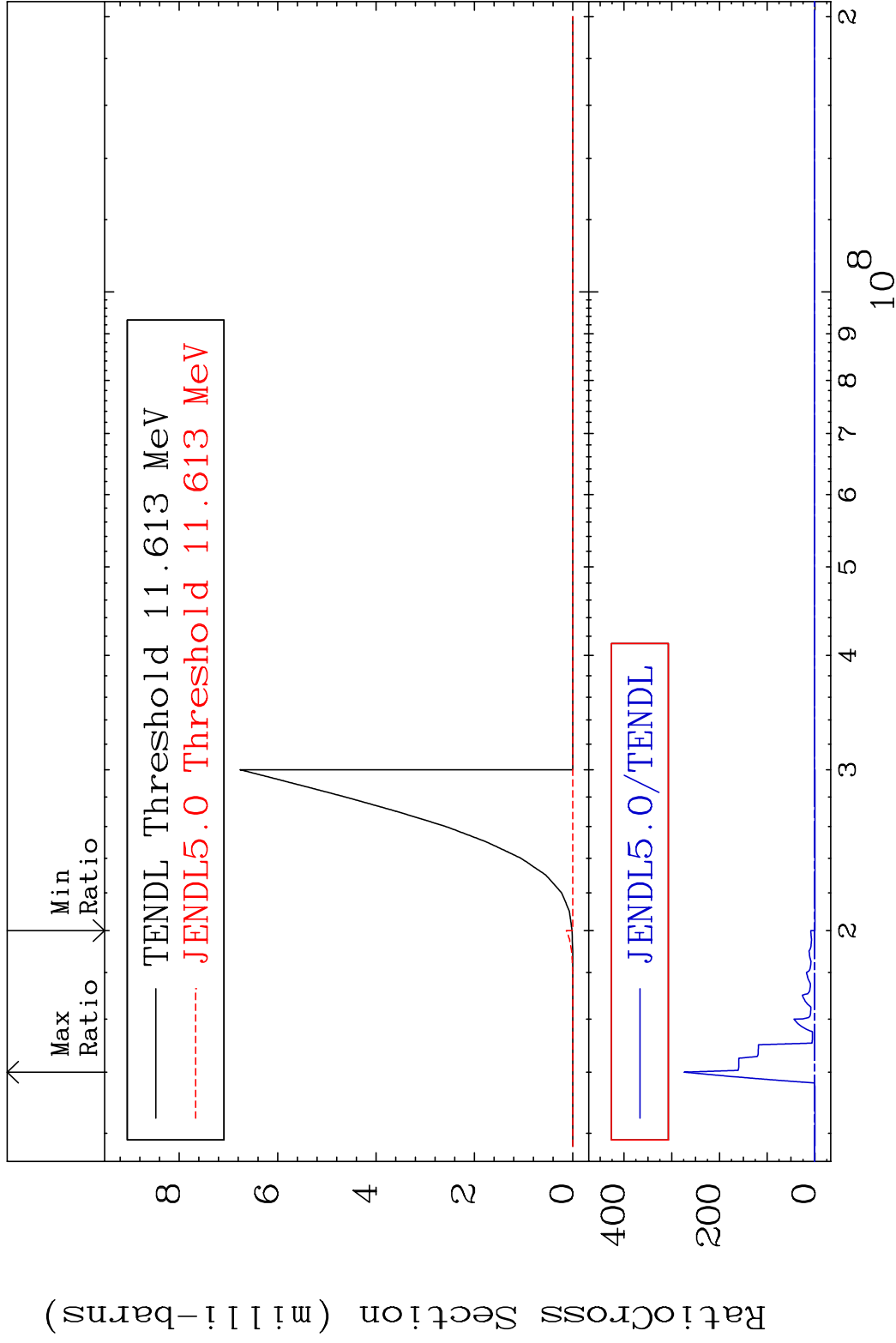
76-0s-191

MAT 7646

(n, n') d

76-0s-191

Cross Section -100.0 To 9999. %

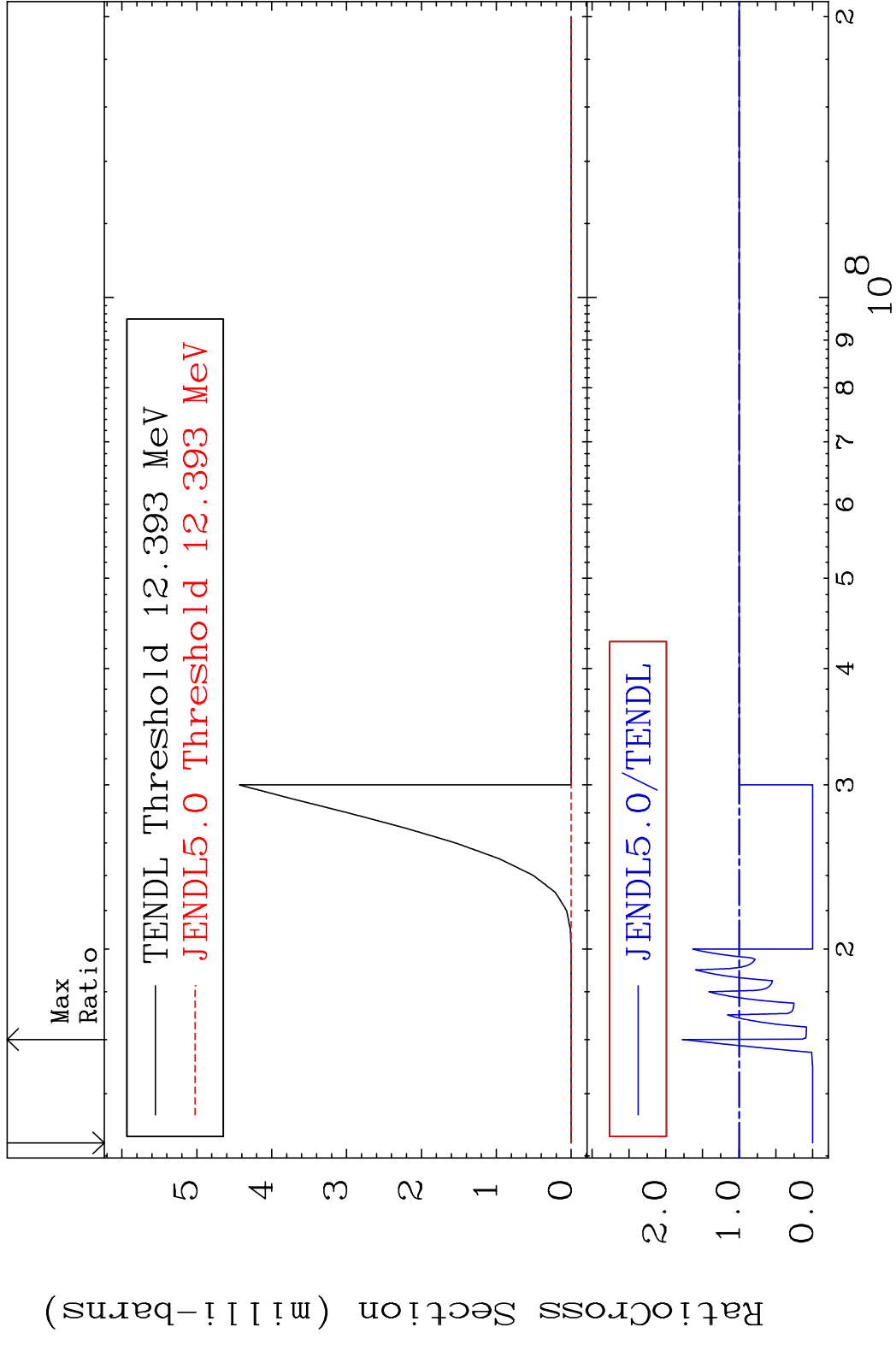


10

Incident Energy (eV)

76-0s-191

MAT 7646 (n, n') t 76-0s-191
 Cross Section -100.0 To 77.25 %

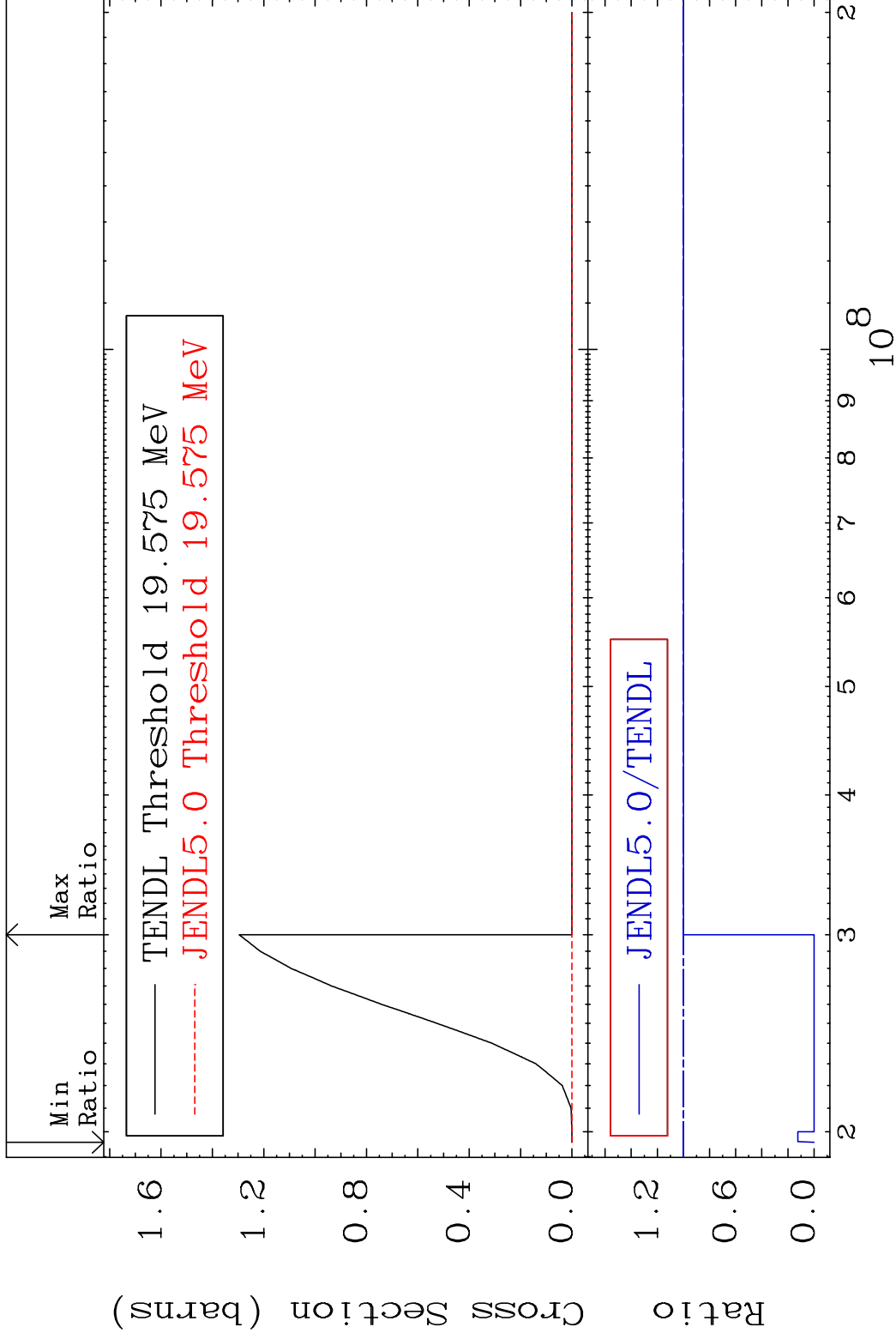


MAT 7646

(n,4n)

76-0s-191

Cross Section -100.0 To 0.000 %

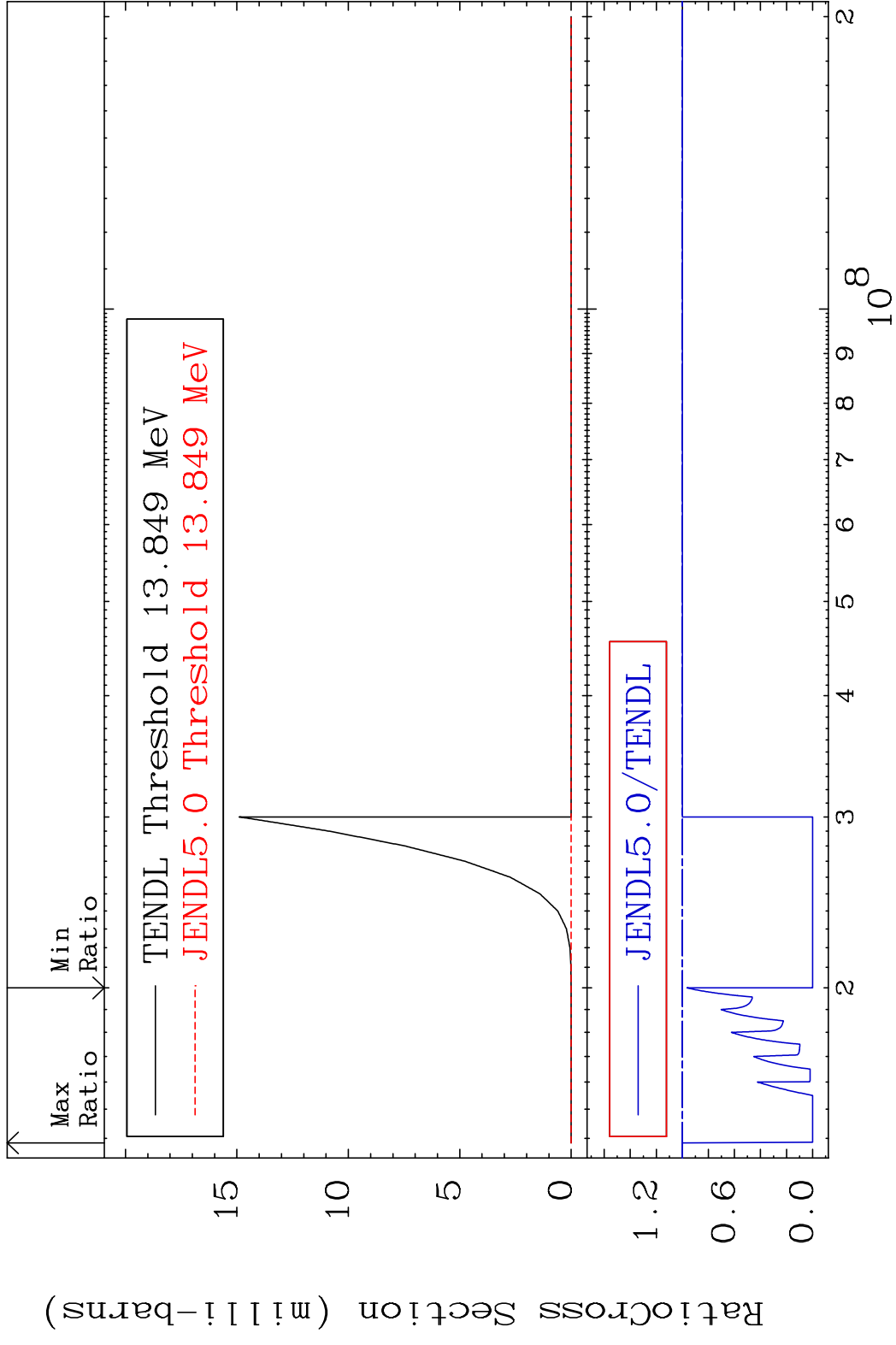


12

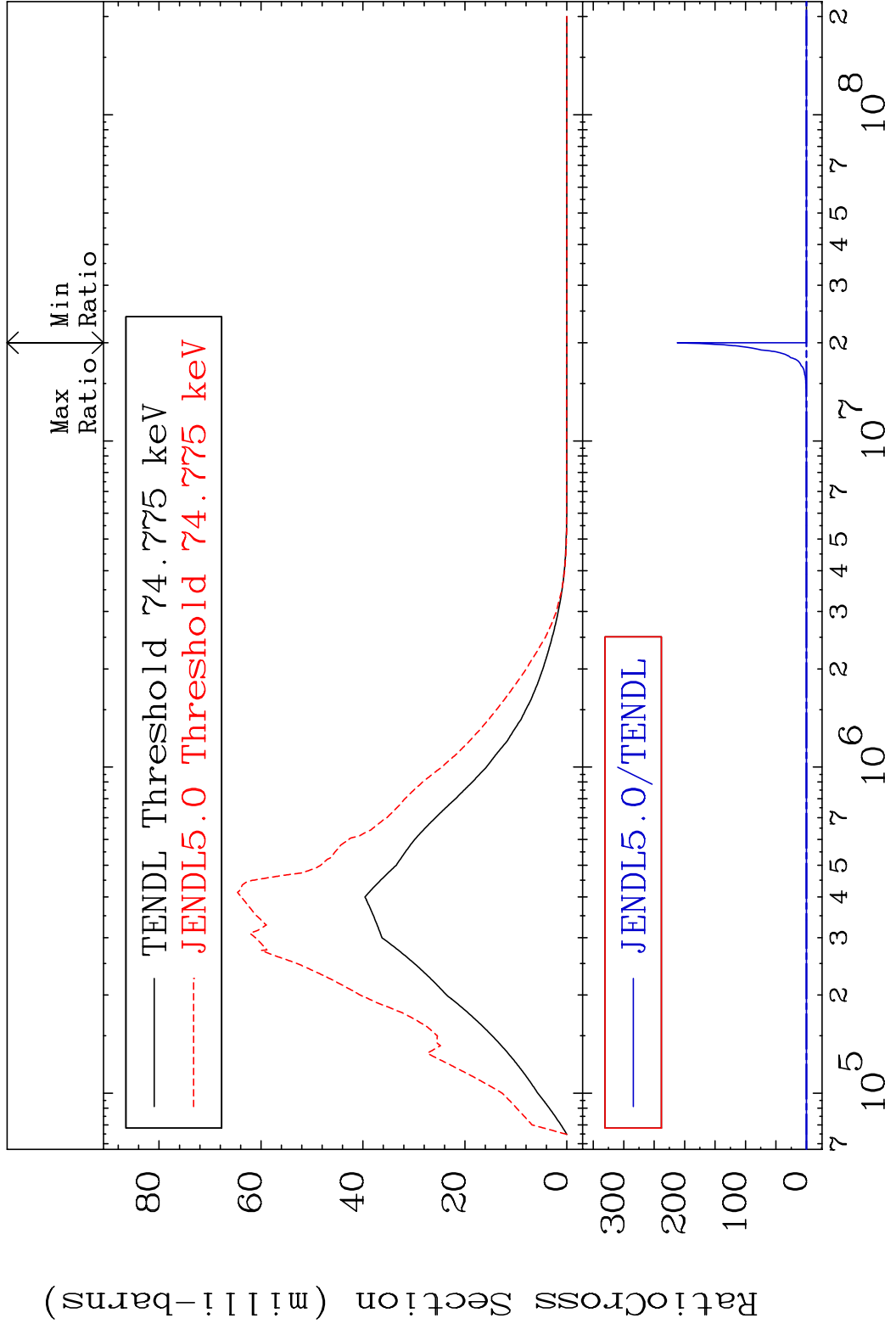
Incident Energy (eV)

76-0s-191

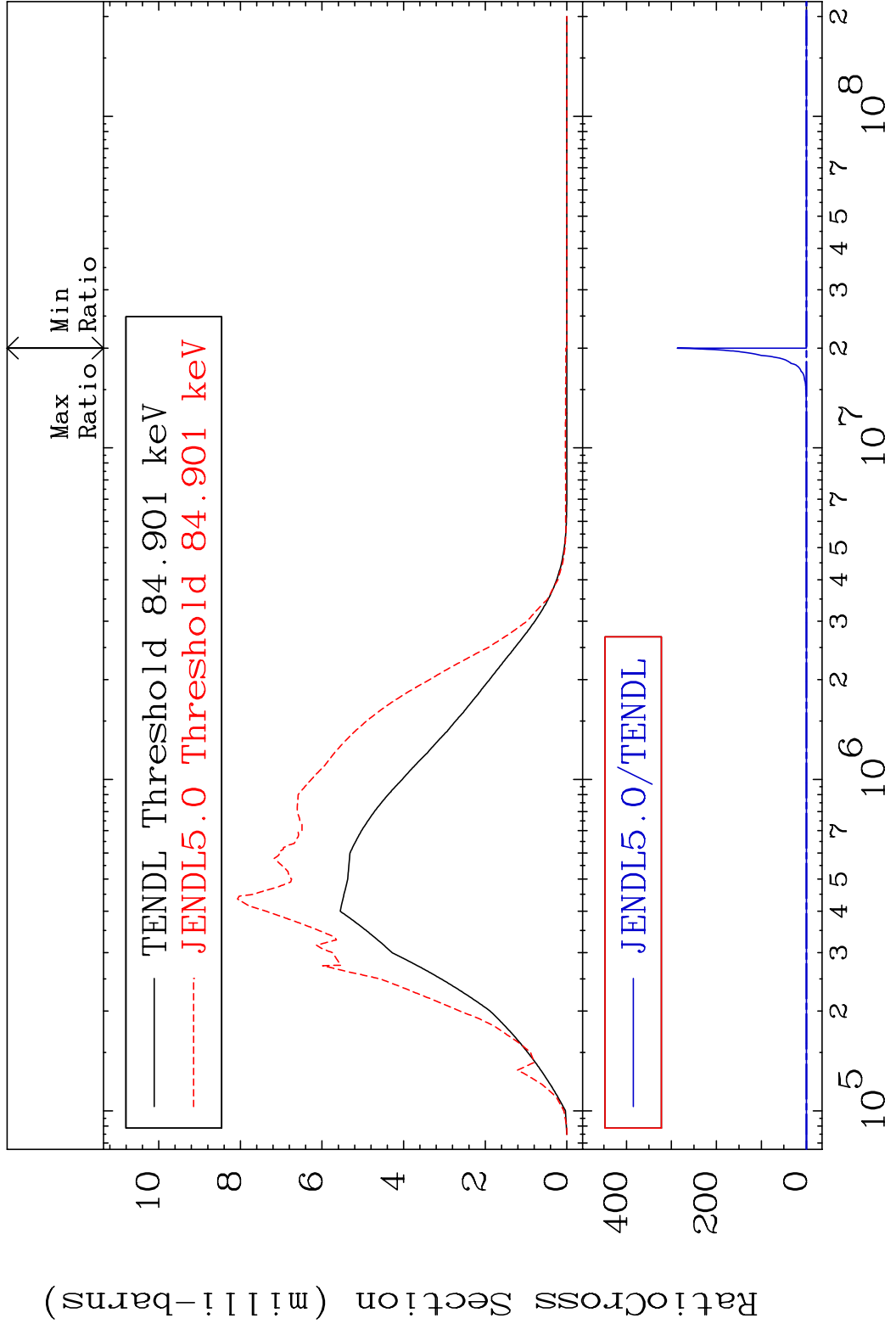
MAT 7646 (n,2n) p 76-0s-191
 Cross Section -100.0 To 0.000 %



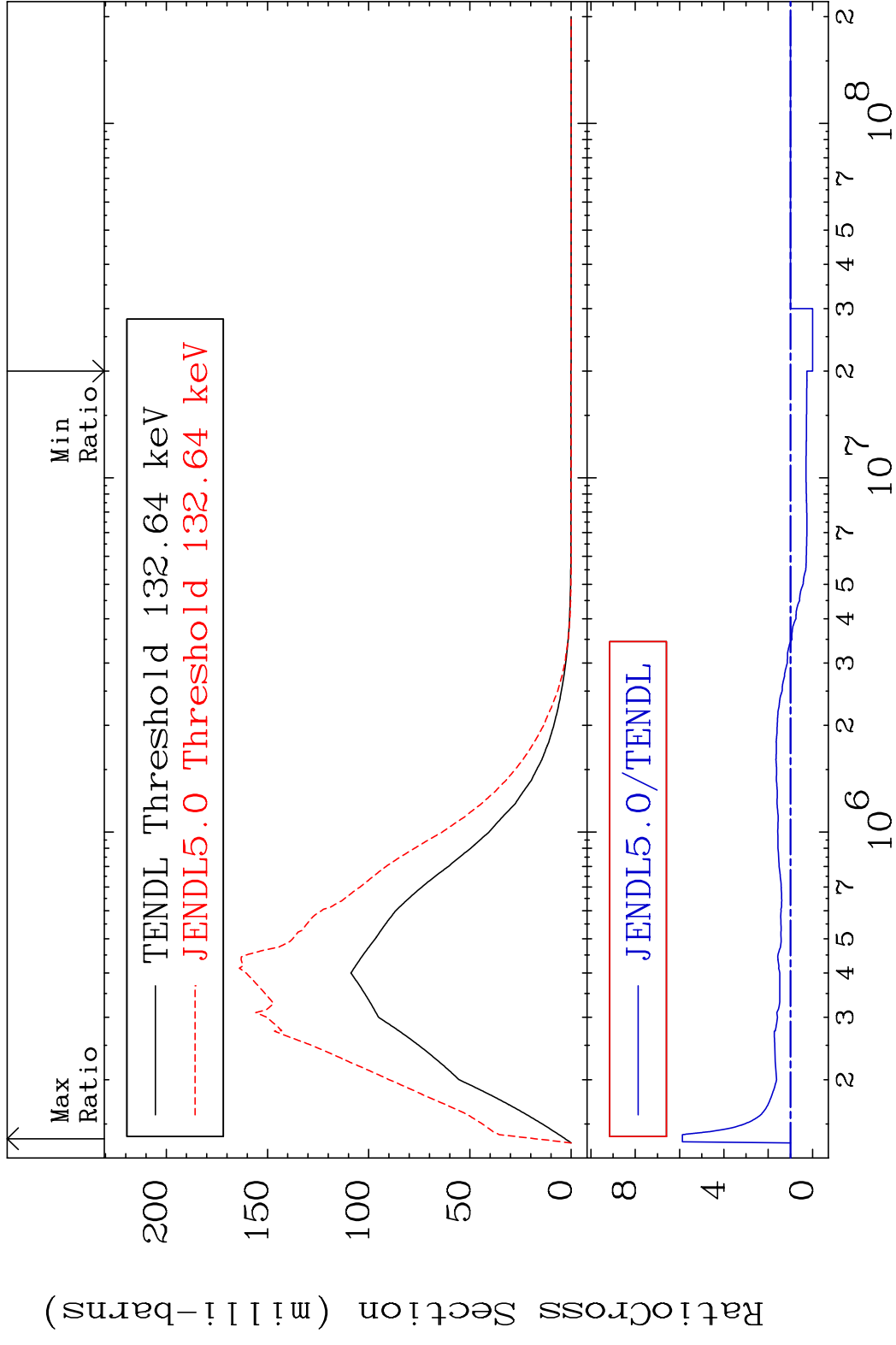
MAT 7646 MT= 51 (n, n') Level 76-0s-191
 Cross Section -100.0 To 9999. %



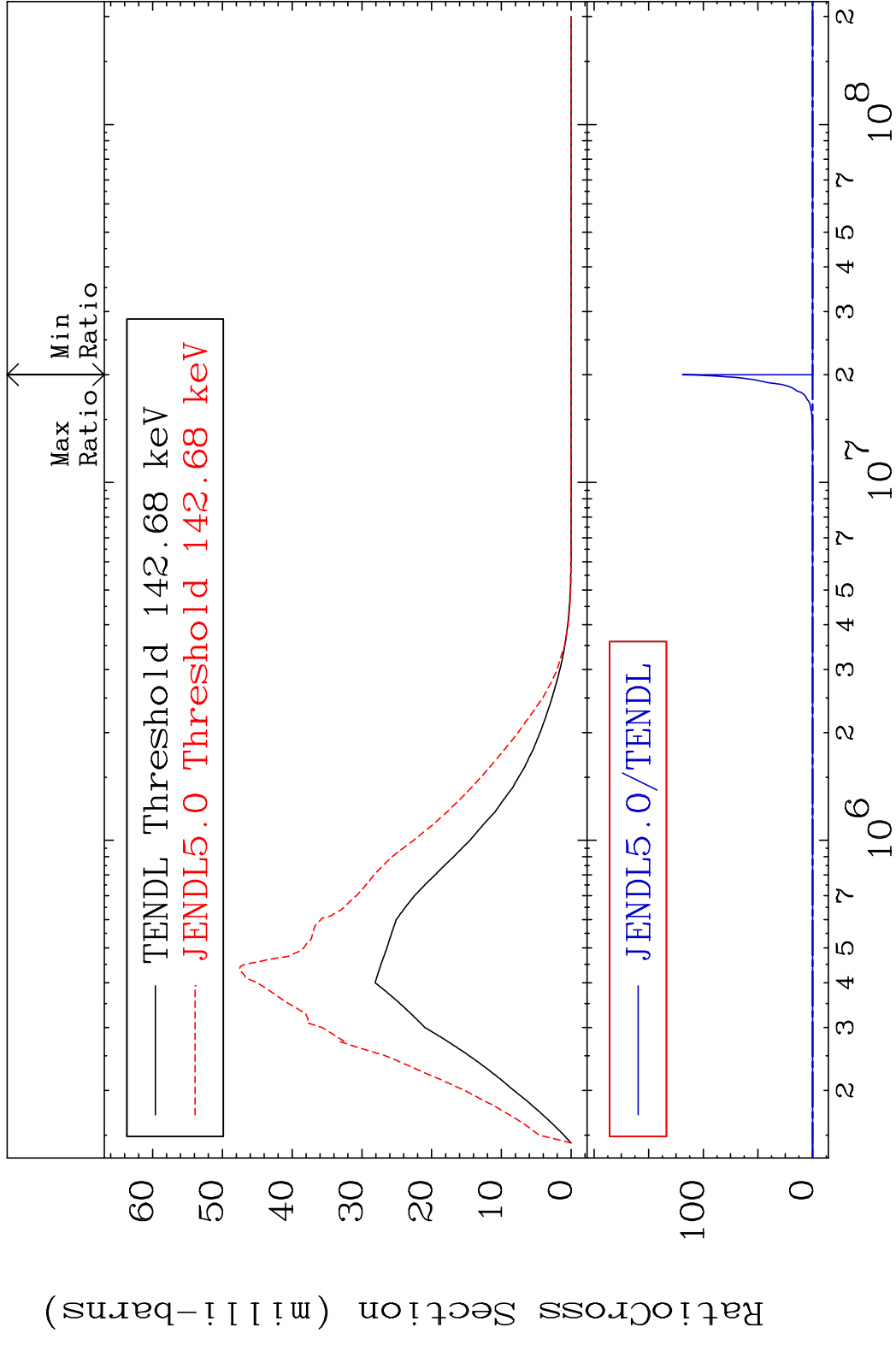
MAT 7646 MT= 52 (n,n') Level 76-0s-191
 Cross Section -100.0 To 9999. %



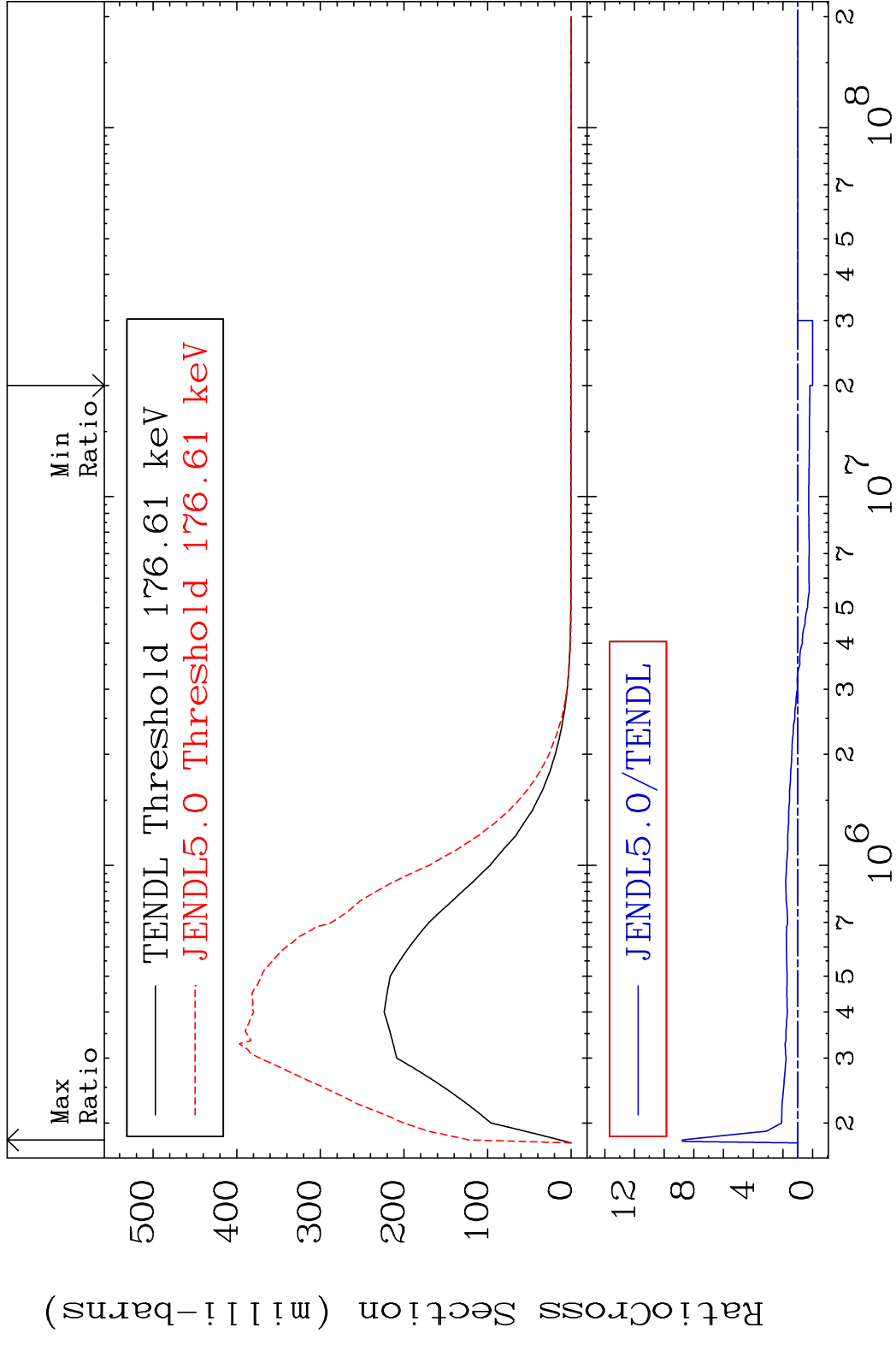
MAT 7646 MT= 53 (n, n') Level 76-0s-191
 Cross Section -100.0 To 487.6 %



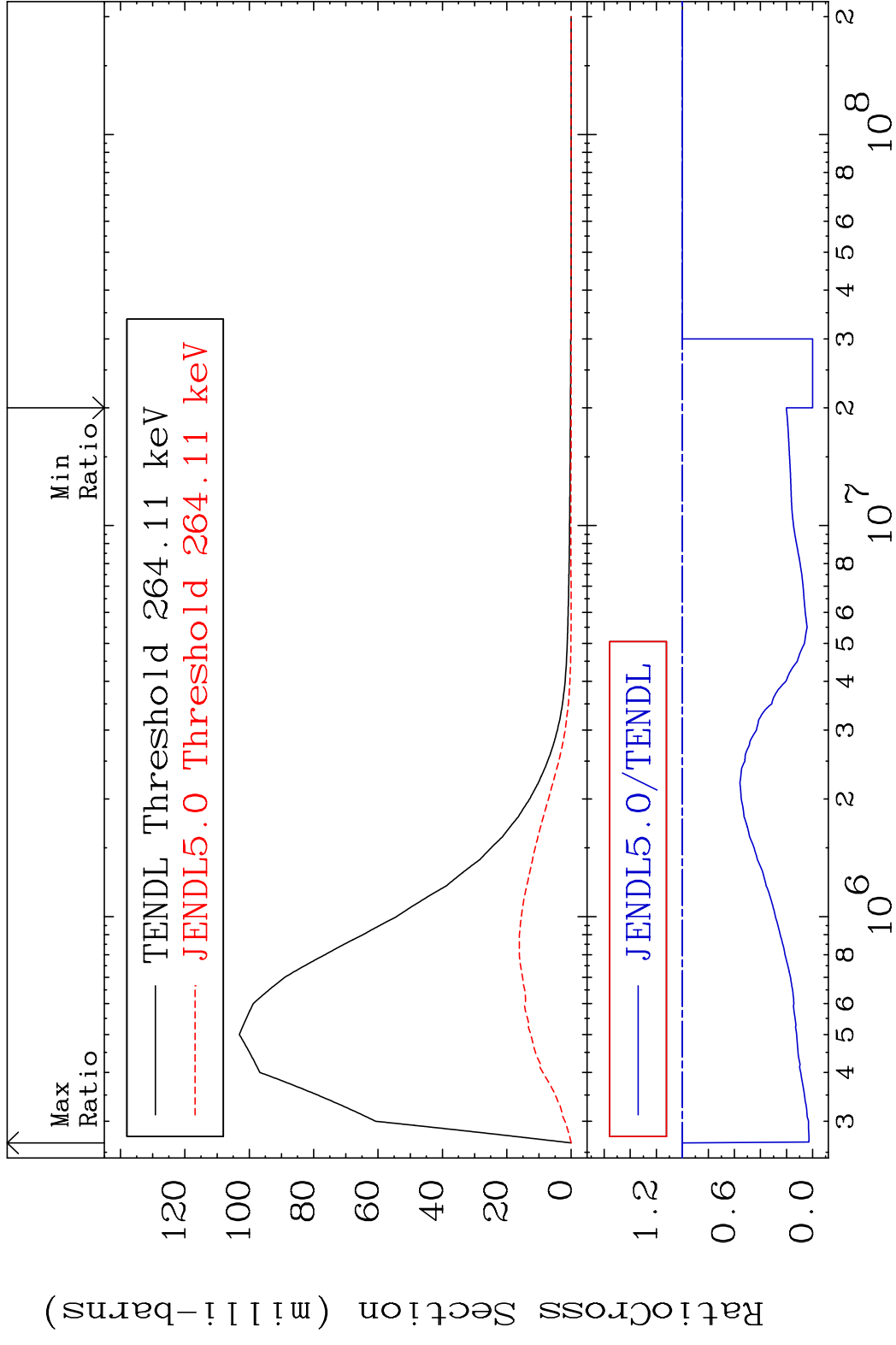
MAT 7646 MT= 54 (n, n') Level 76-0s-191
 Cross Section -100.0 To 9999. %



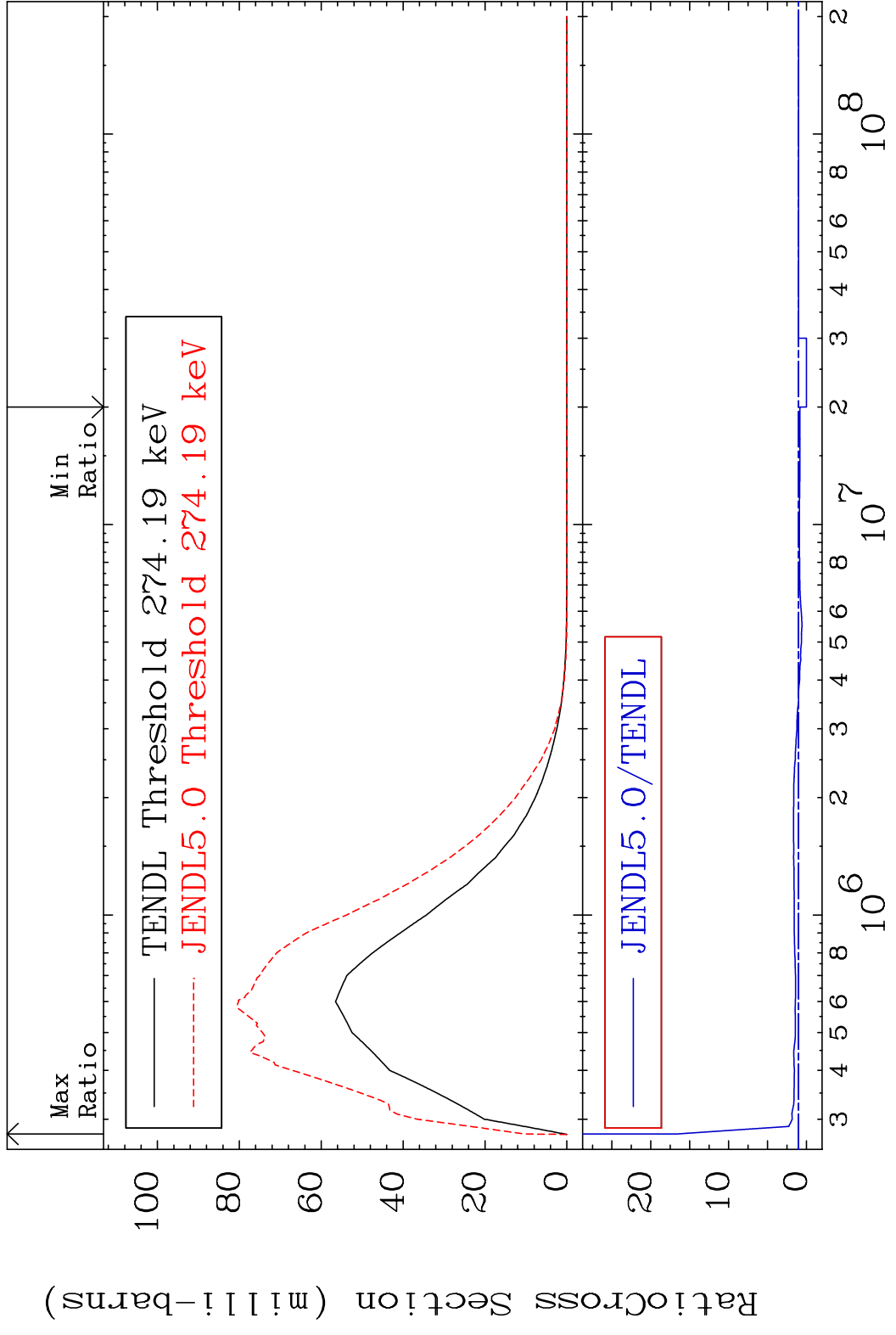
MAT 7646 MT= 55 (n,n') Level 76-0s-191
 Cross Section -100.0 To 777.6 %



MAT 7646 MT= 56 (n,n') Level 76-0s-191
 Cross Section -100.0 To 0.000 %

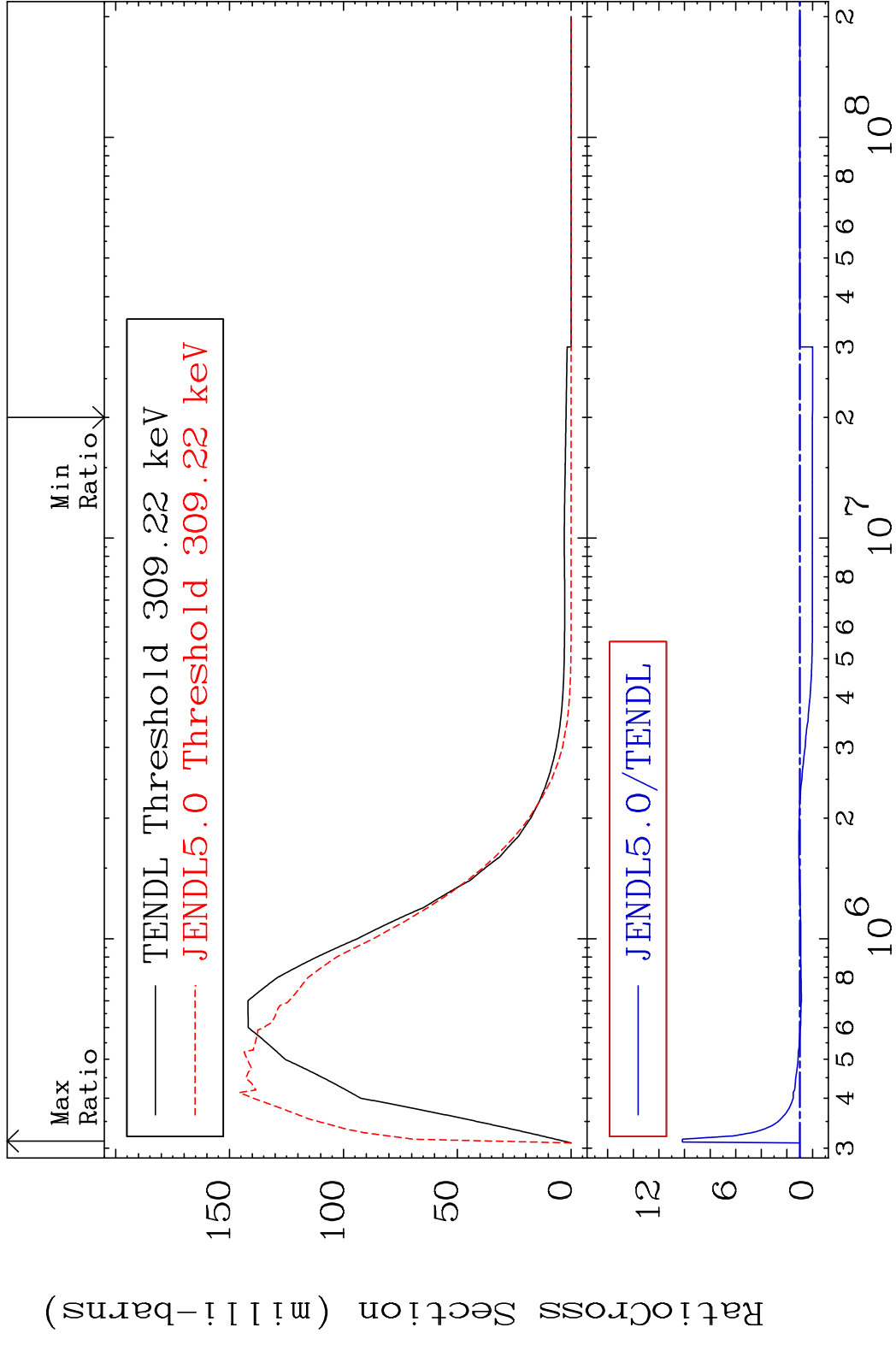


MAT 7646 MT= 57 (n,n') Level 76-0s-191
 Cross Section -100.0 To 1561. %

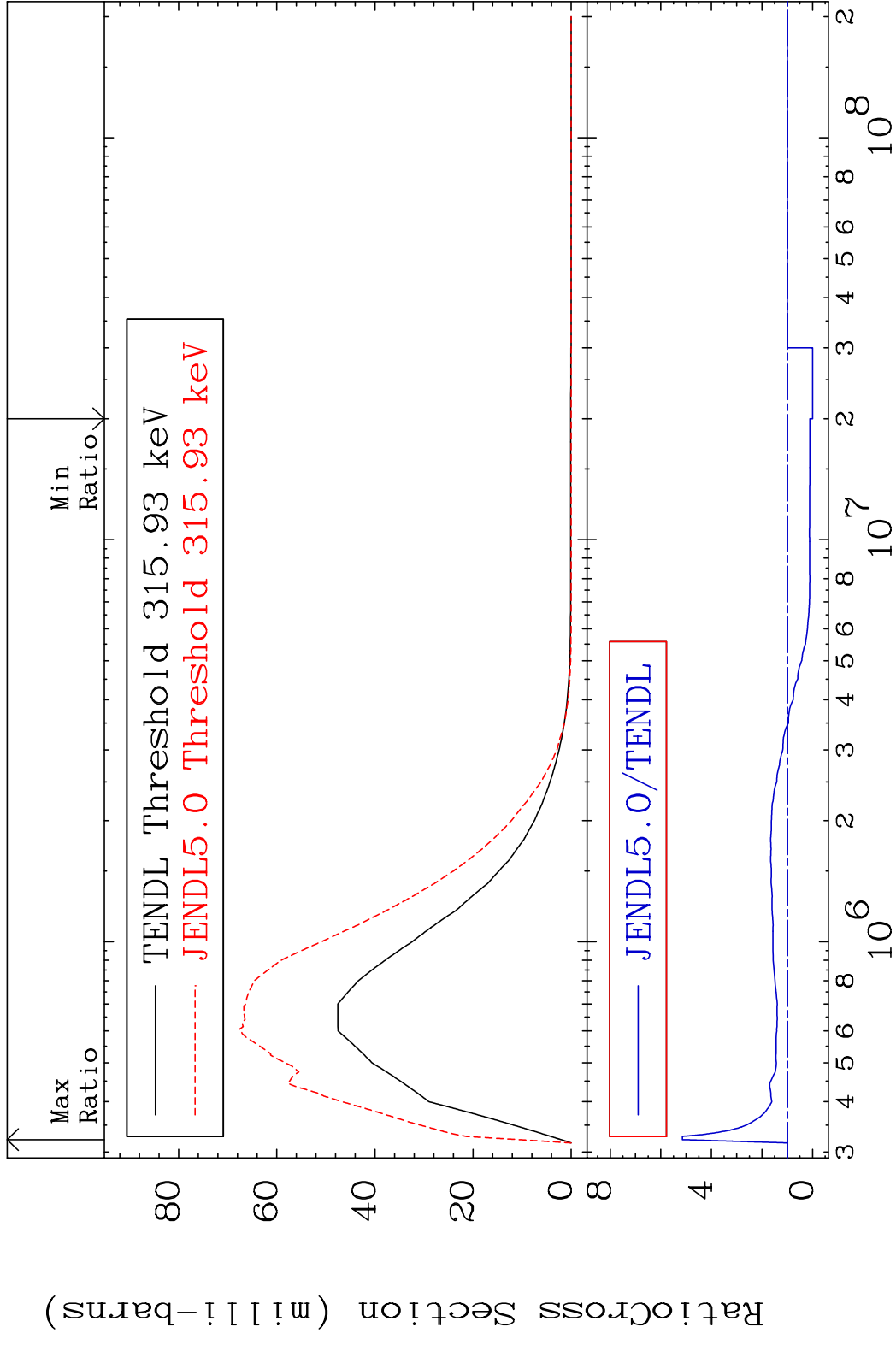


20 Incident Energy (eV) 76-0s-191

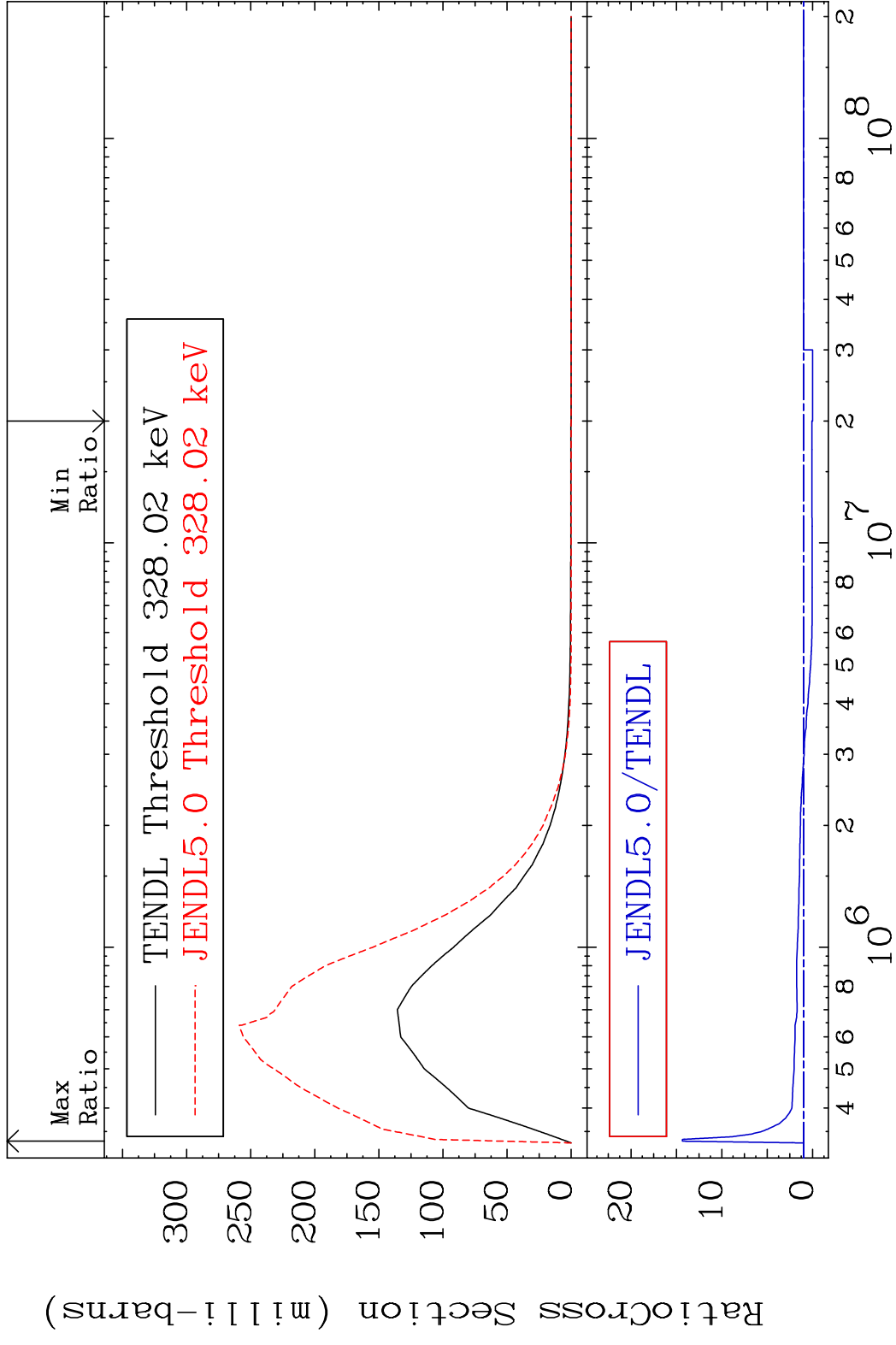
MAT 7646 MT= 58 (n,n') Level 76-0s-191
 Cross Section -100.0 To 916.6 %



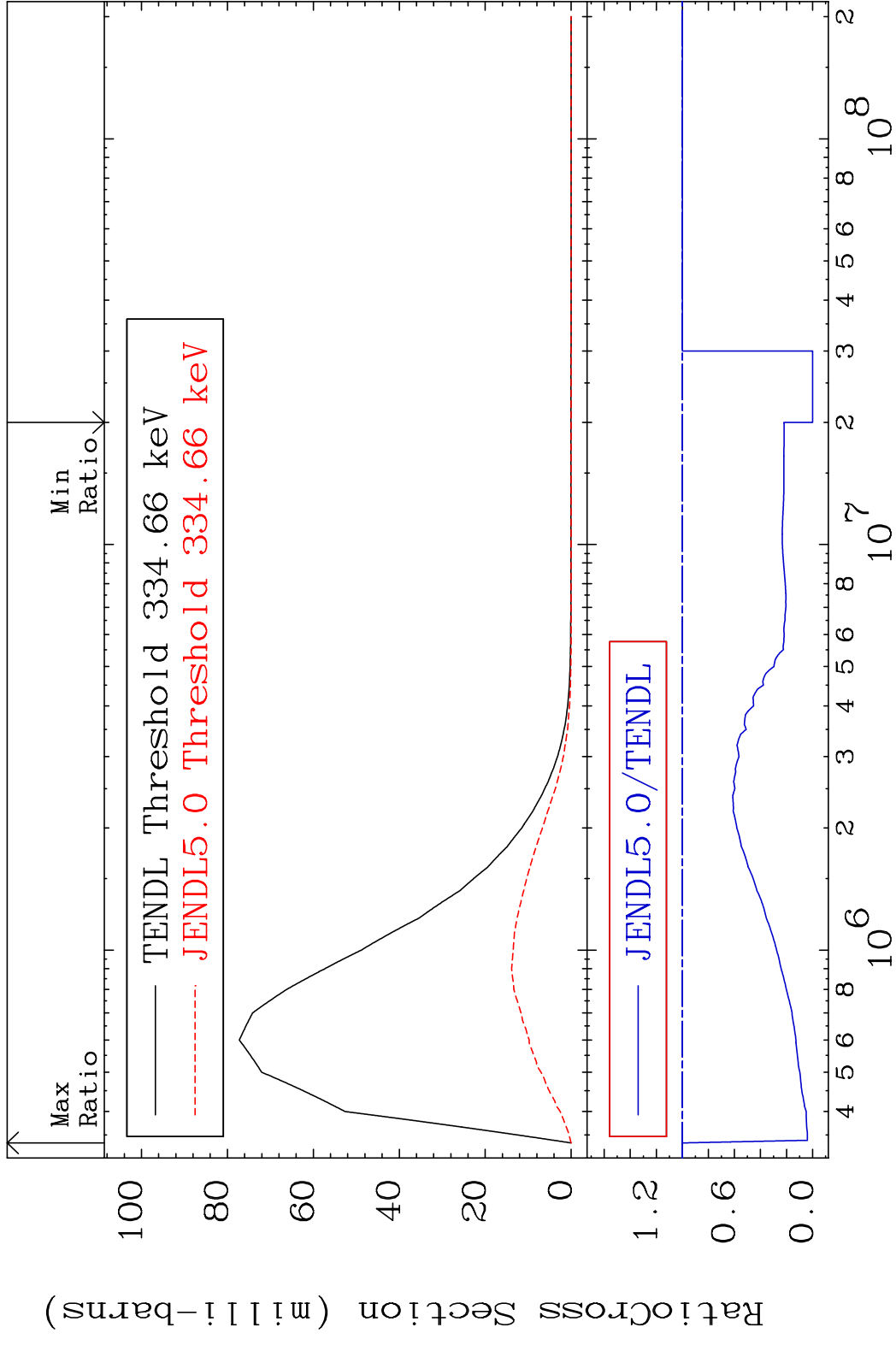
MAT 7646 MT= 59 (n, n') Level 76-0s-191
 Cross Section -100.0 To 414.8 %



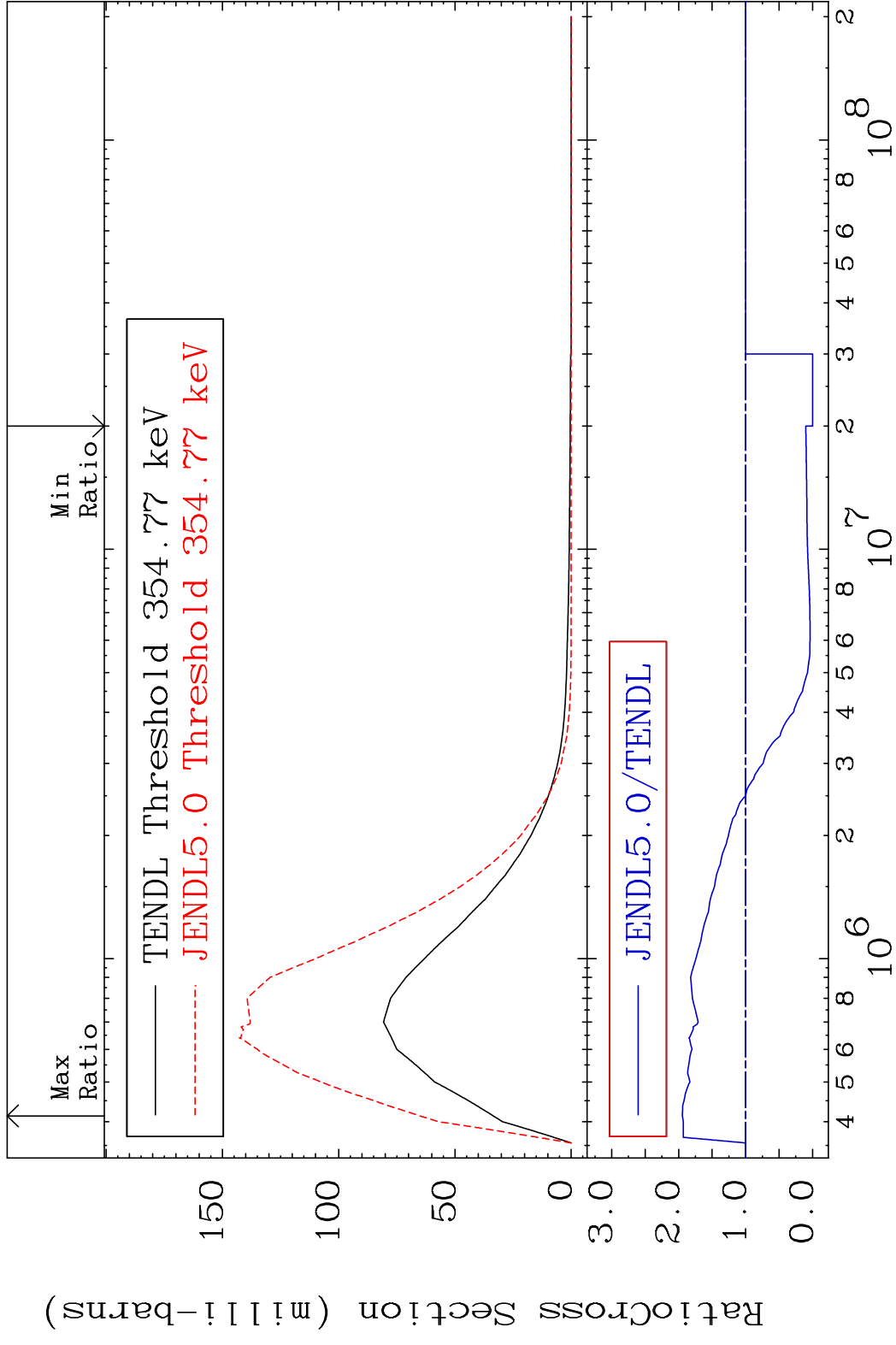
MAT 7646 MT= 60 (n, n') Level 76-0s-191
 Cross Section -100.0 To 1334. %



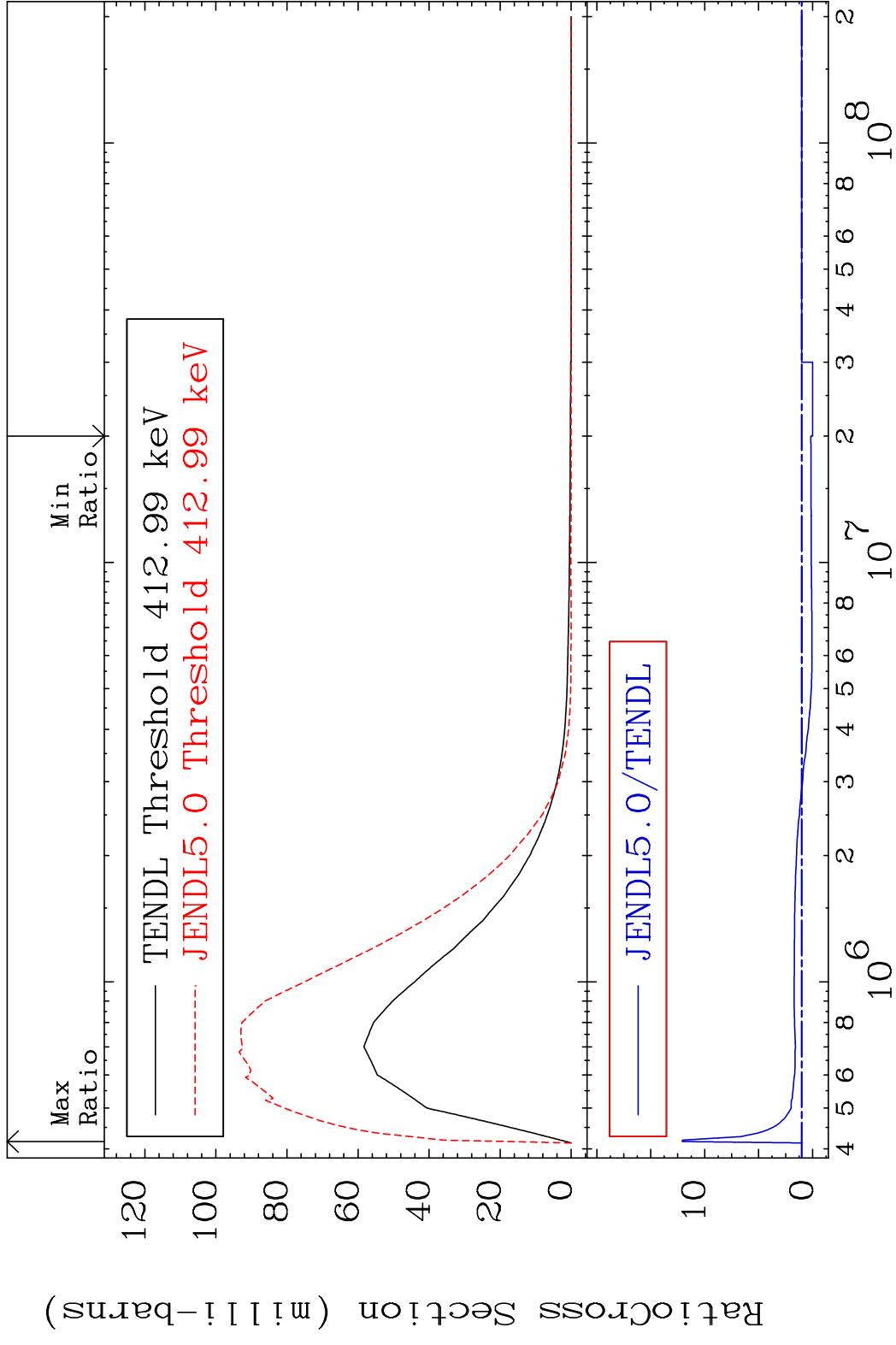
MAT 7646 MT= 61 (n, n') Level 76-0s-191
 Cross Section -100.0 To 0.000 %



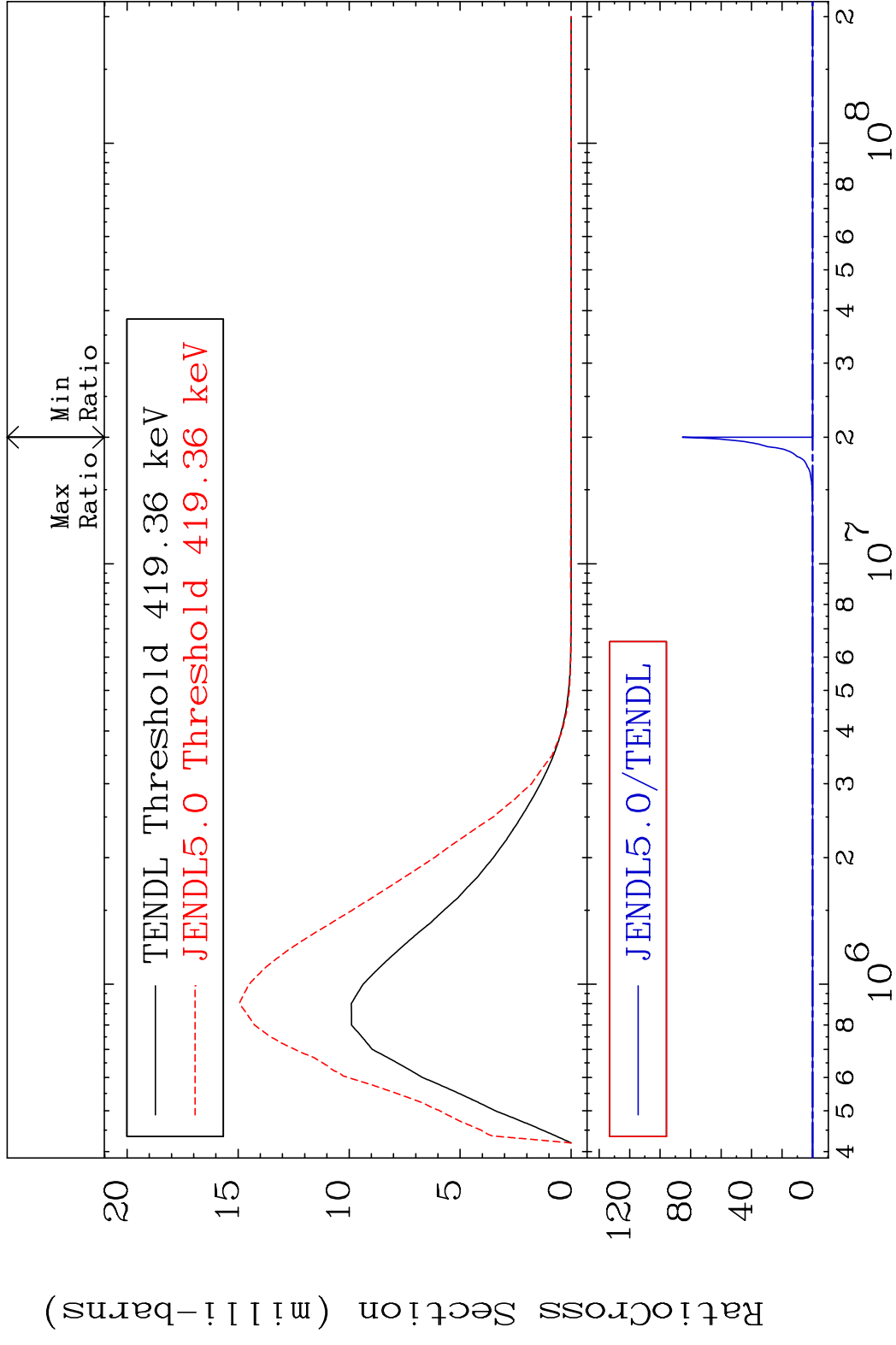
MAT 7646 MT= 62 (n, n') Level 76-0s-191
 Cross Section -100.0 To 94.48 %



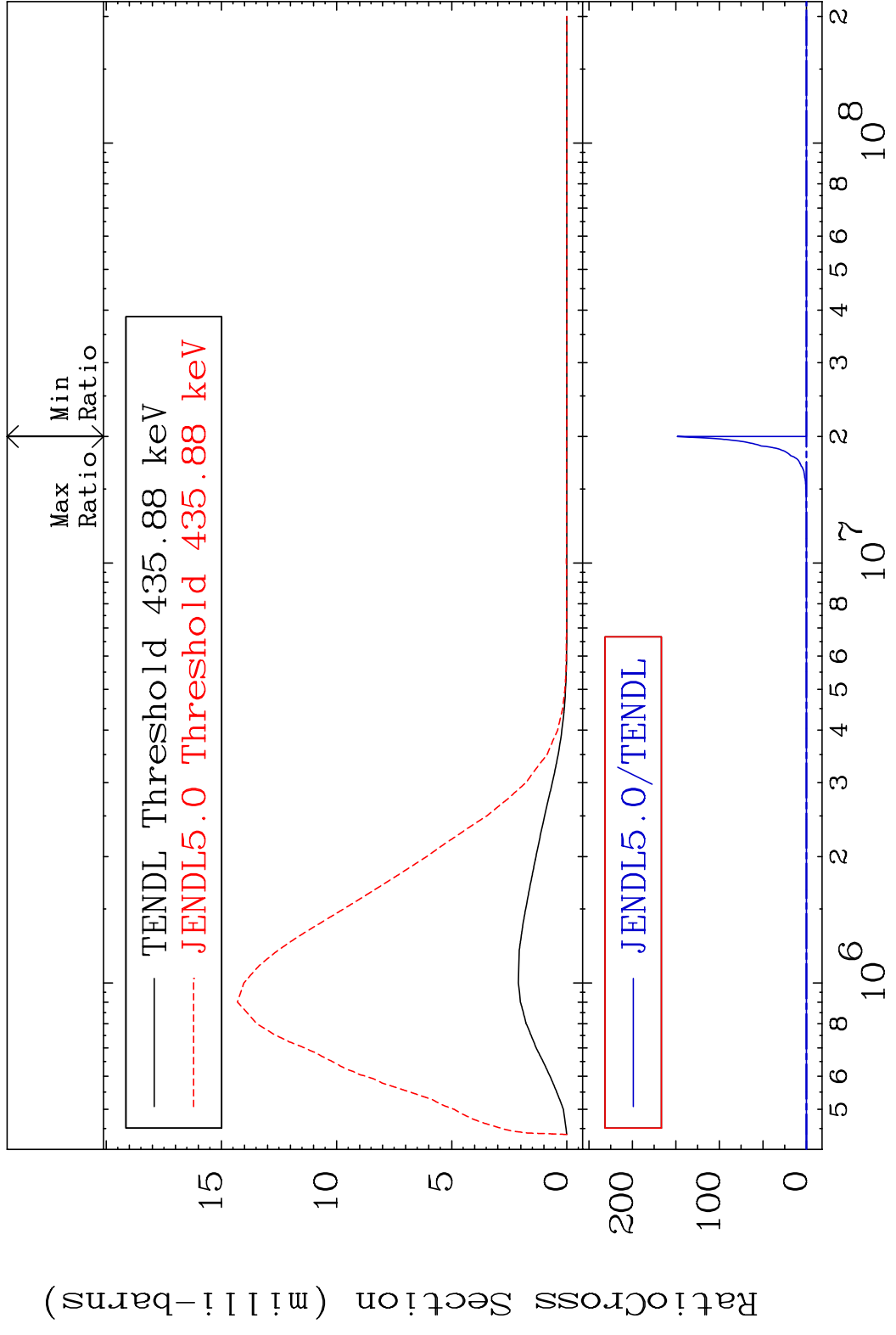
MAT 7646 MT= 63 (n, n') Level 76-0s-191
 Cross Section -100.0 To 1107. %



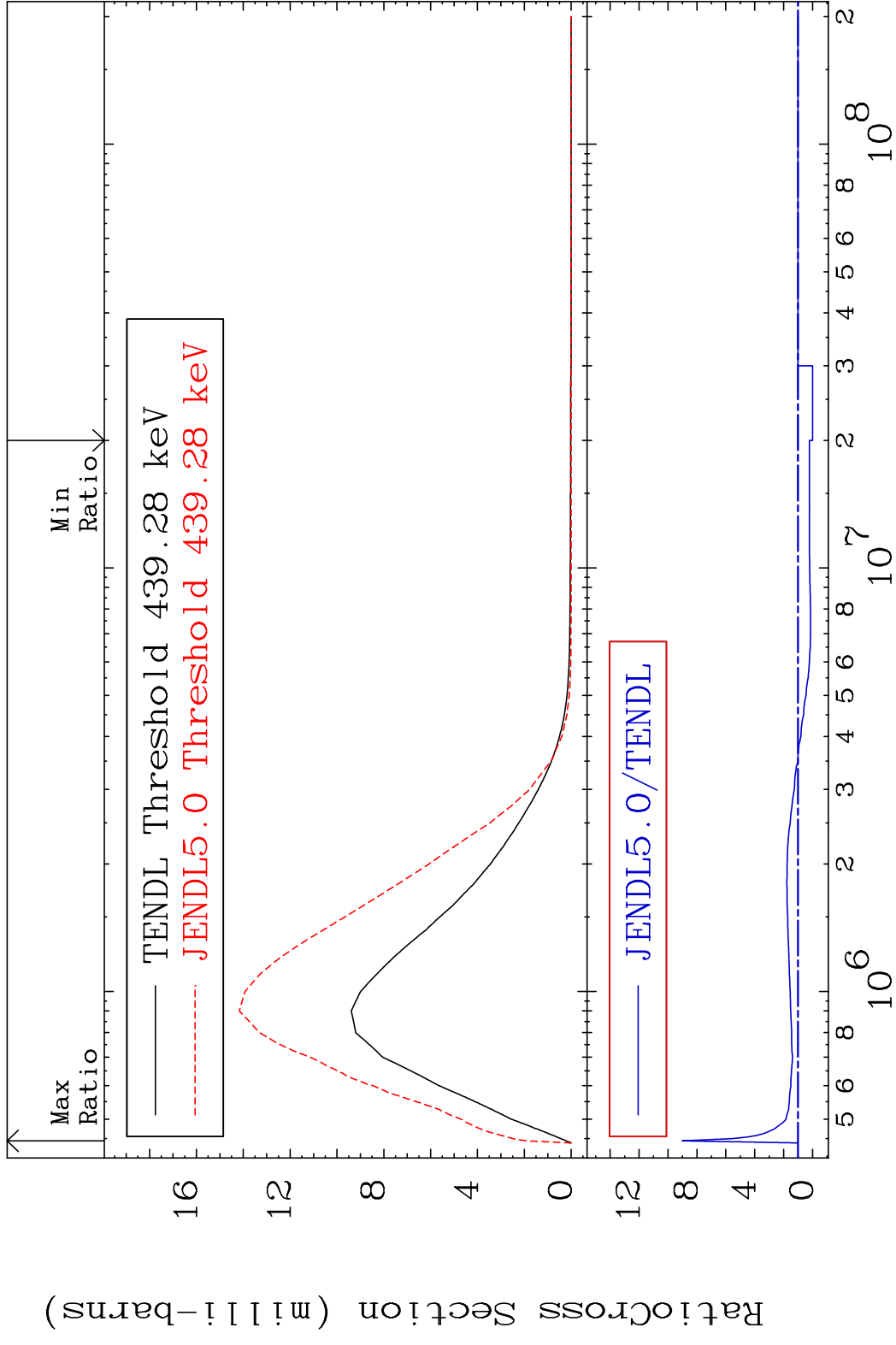
MAT 7646 MT= 64 (n, n') Level 76-0s-191
 Cross Section -100.0 To 9999. %



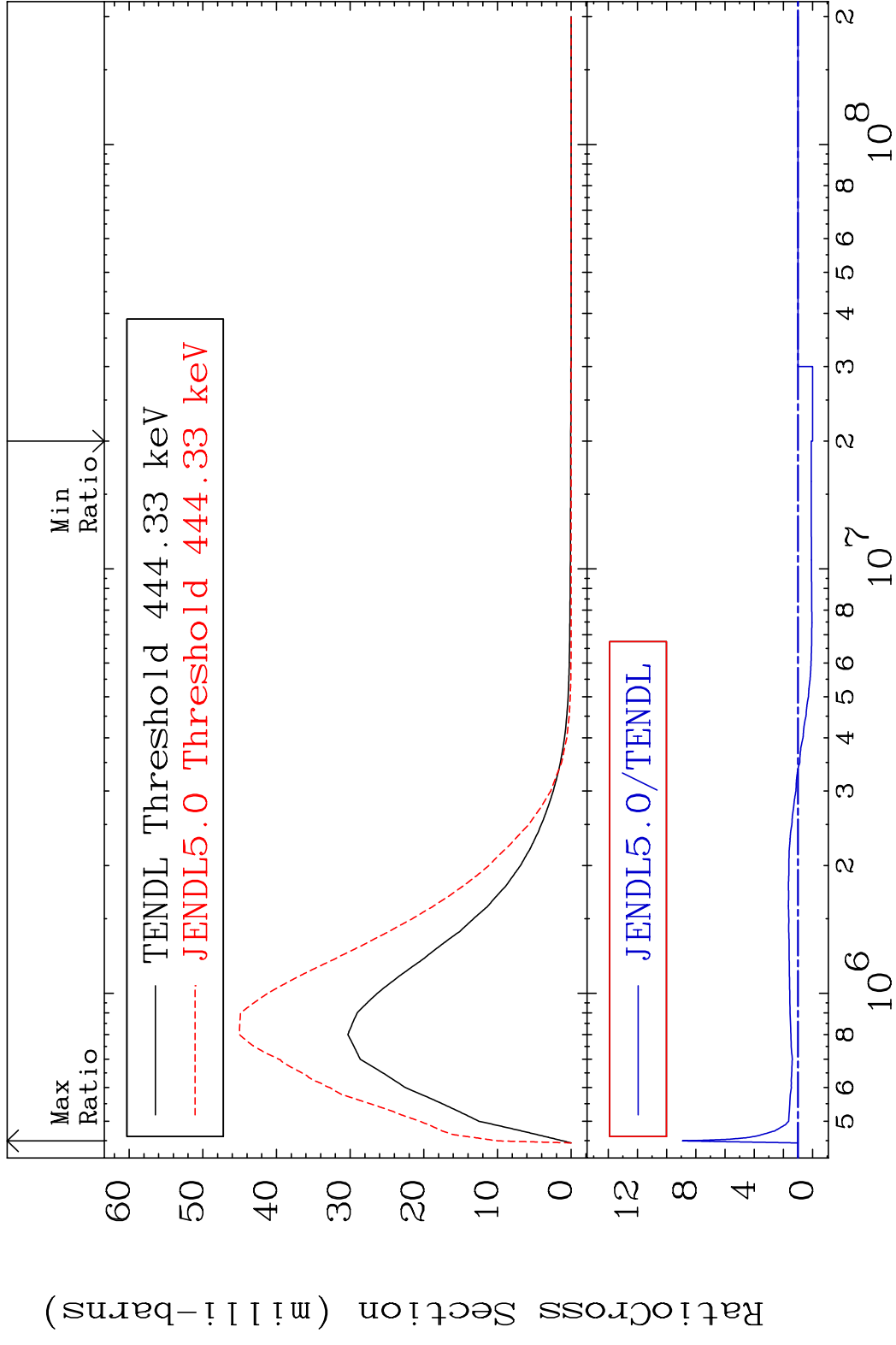
MAT 7646 MT= 65 (n, n') Level 76-0s-191
 Cross Section -100.0 To 9999. %



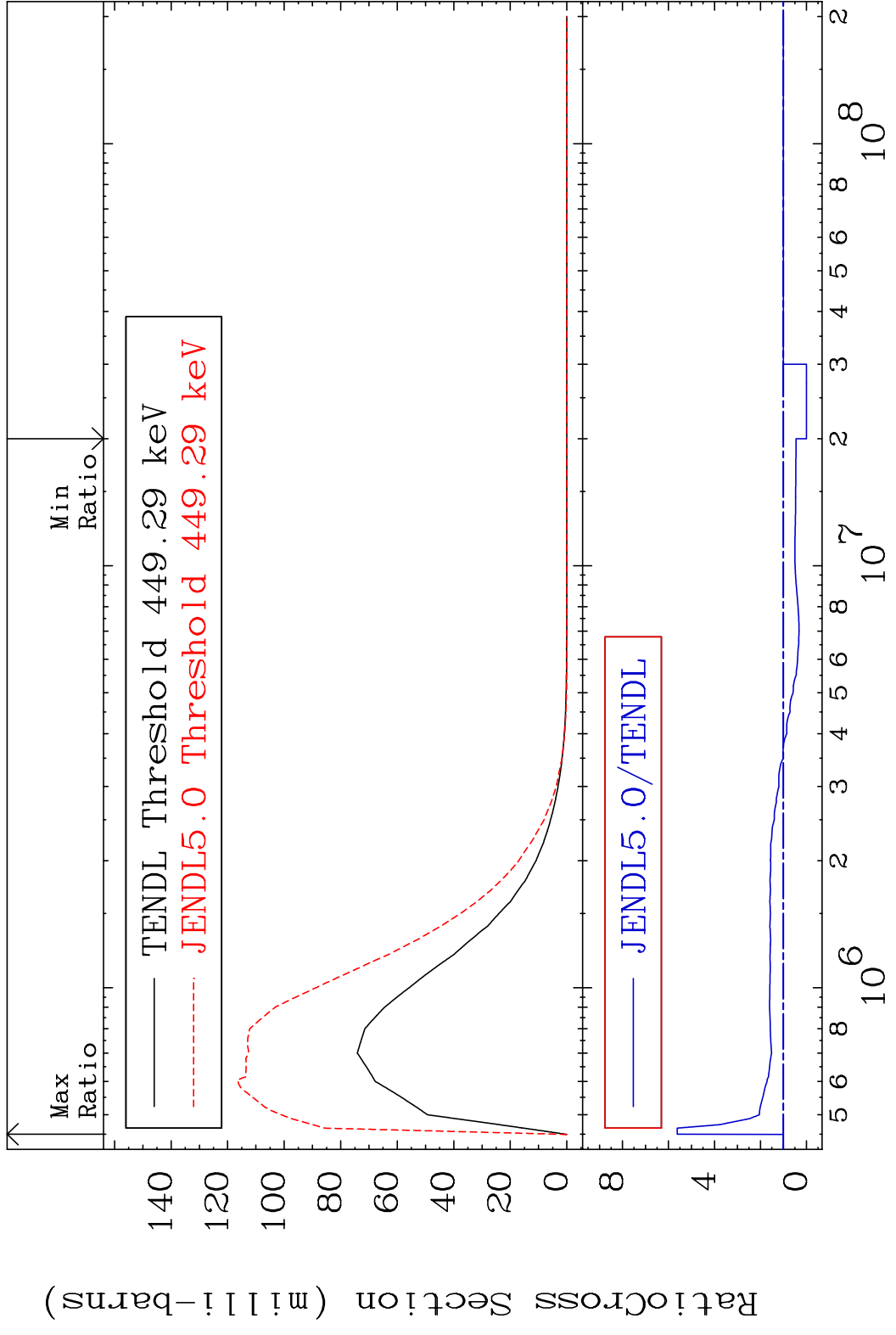
MAT 7646 MT= 66 (n, n') Level 76-0s-191
 Cross Section -100.0 To 800.5 %



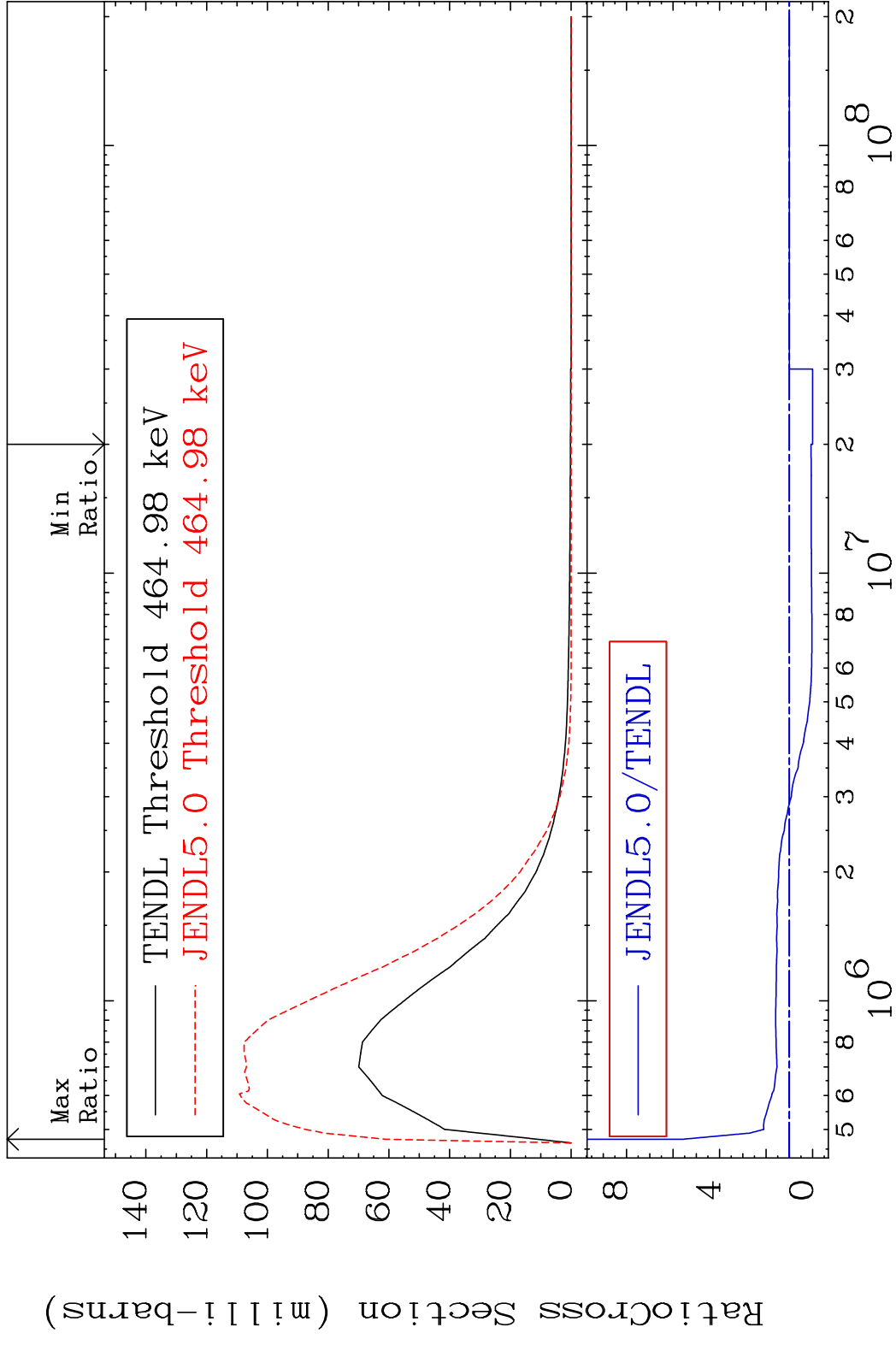
MAT 7646 MT= 67 (n, n') Level 76-0s-191
 Cross Section -100.0 To 792.1 %



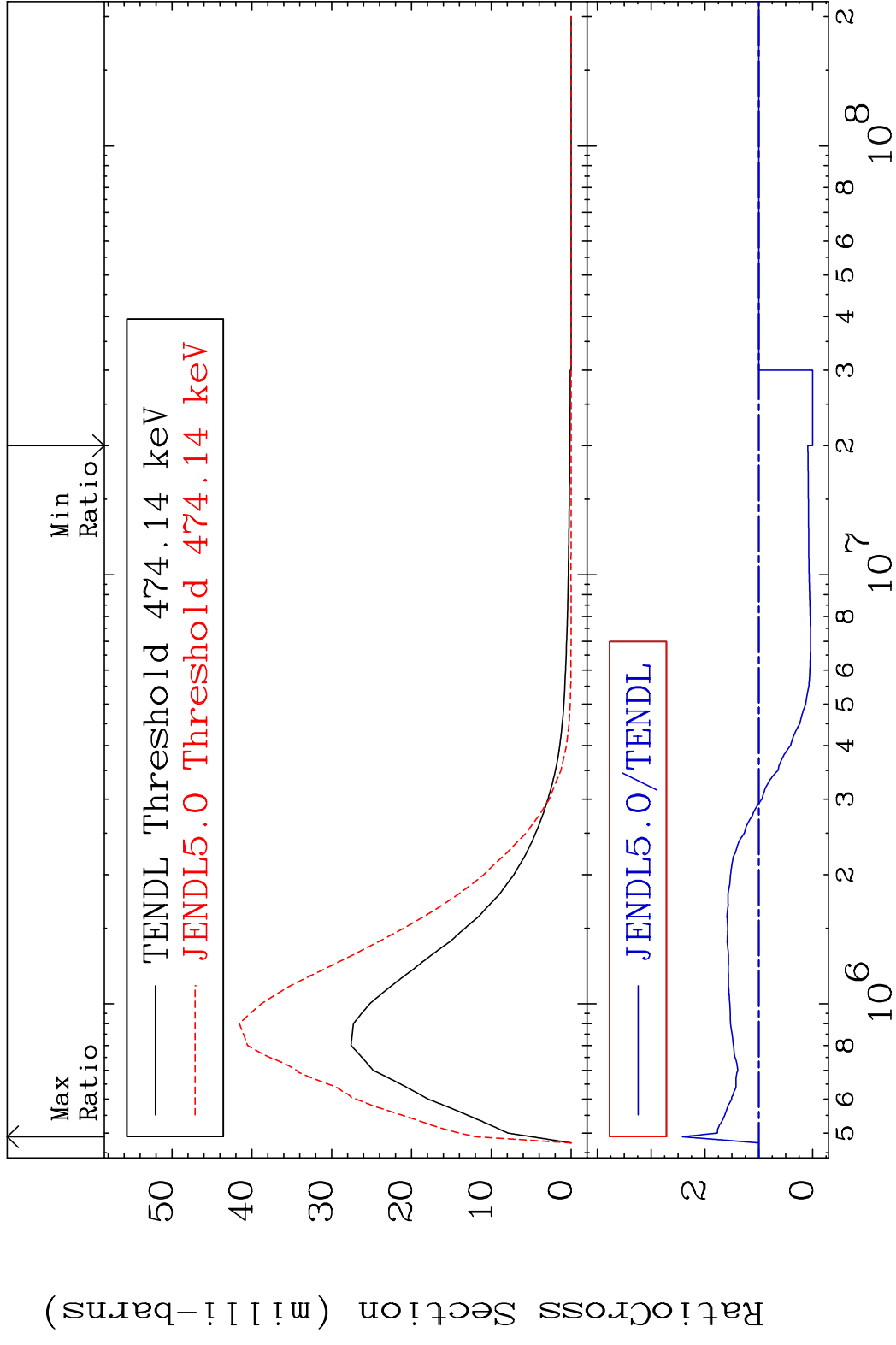
MAT 7646 MT= 68 (n, n') Level 76-0s-191
 Cross Section -100.0 To 462.2 %



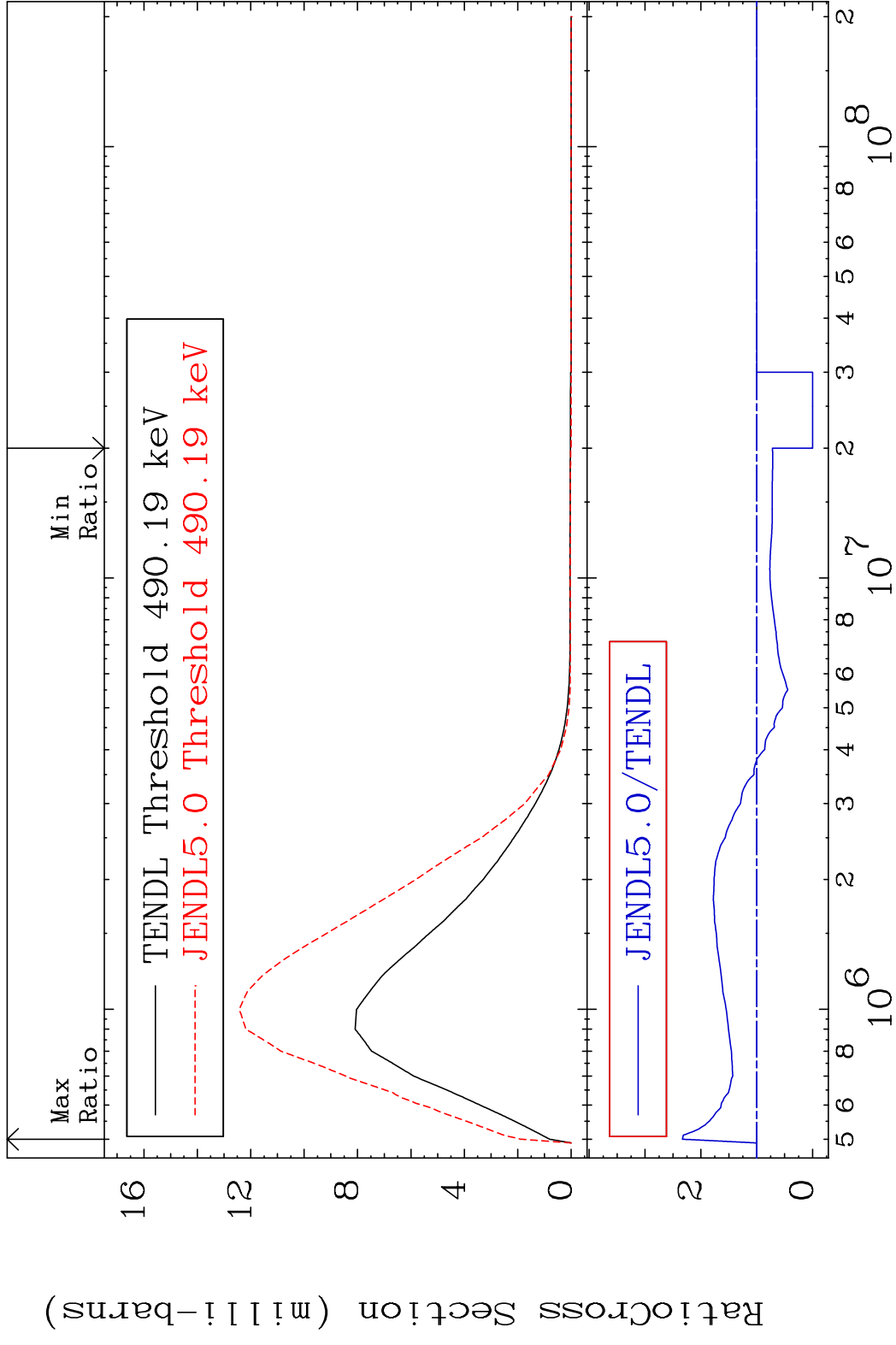
MAT 7646 MT= 69 (n, n') Level 76-0s-191
 Cross Section -100.0 To 459.9 %



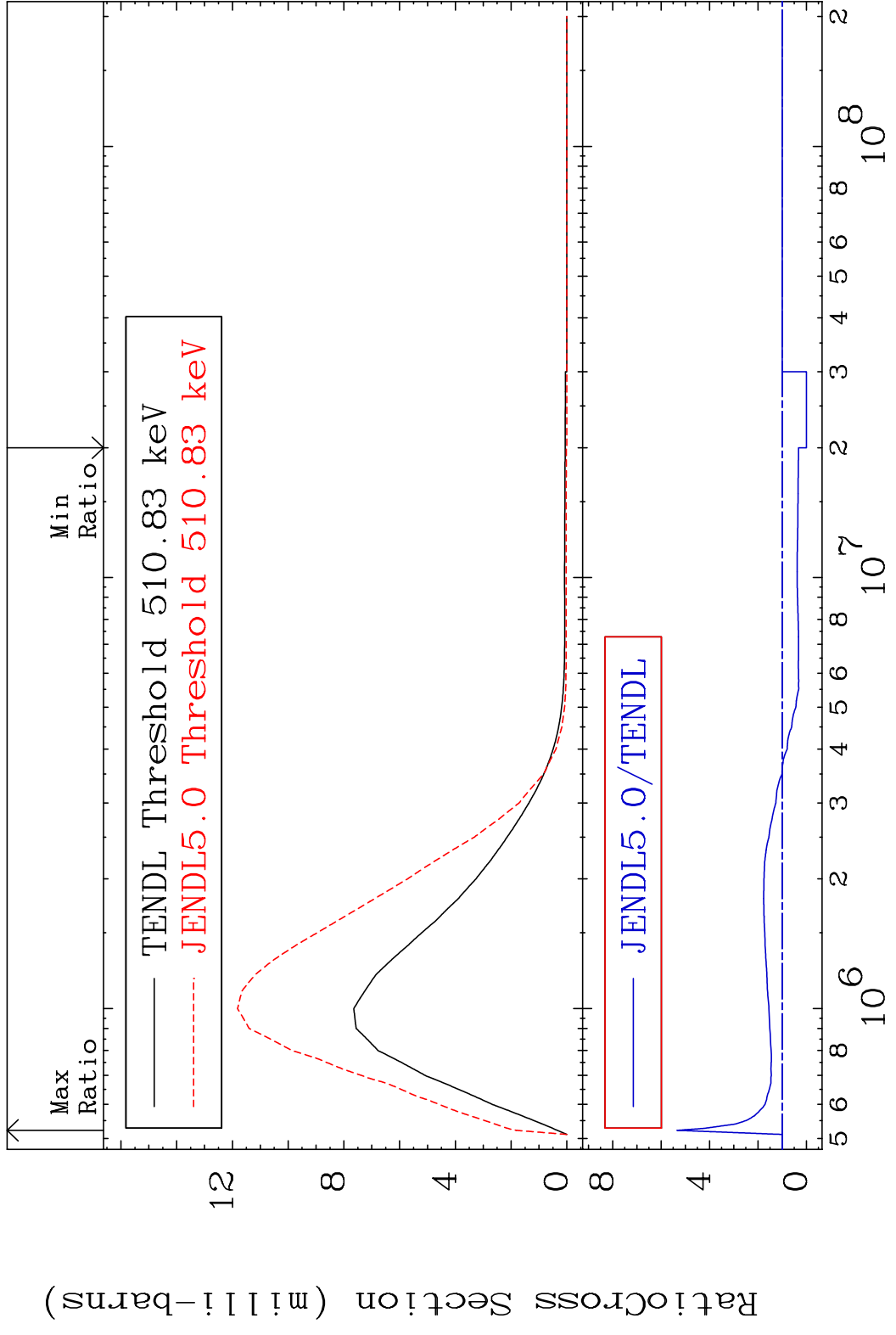
MAT 7646 MT= 70 (n, n') Level 76-0s-191
 Cross Section -100.0 To 142.0 %



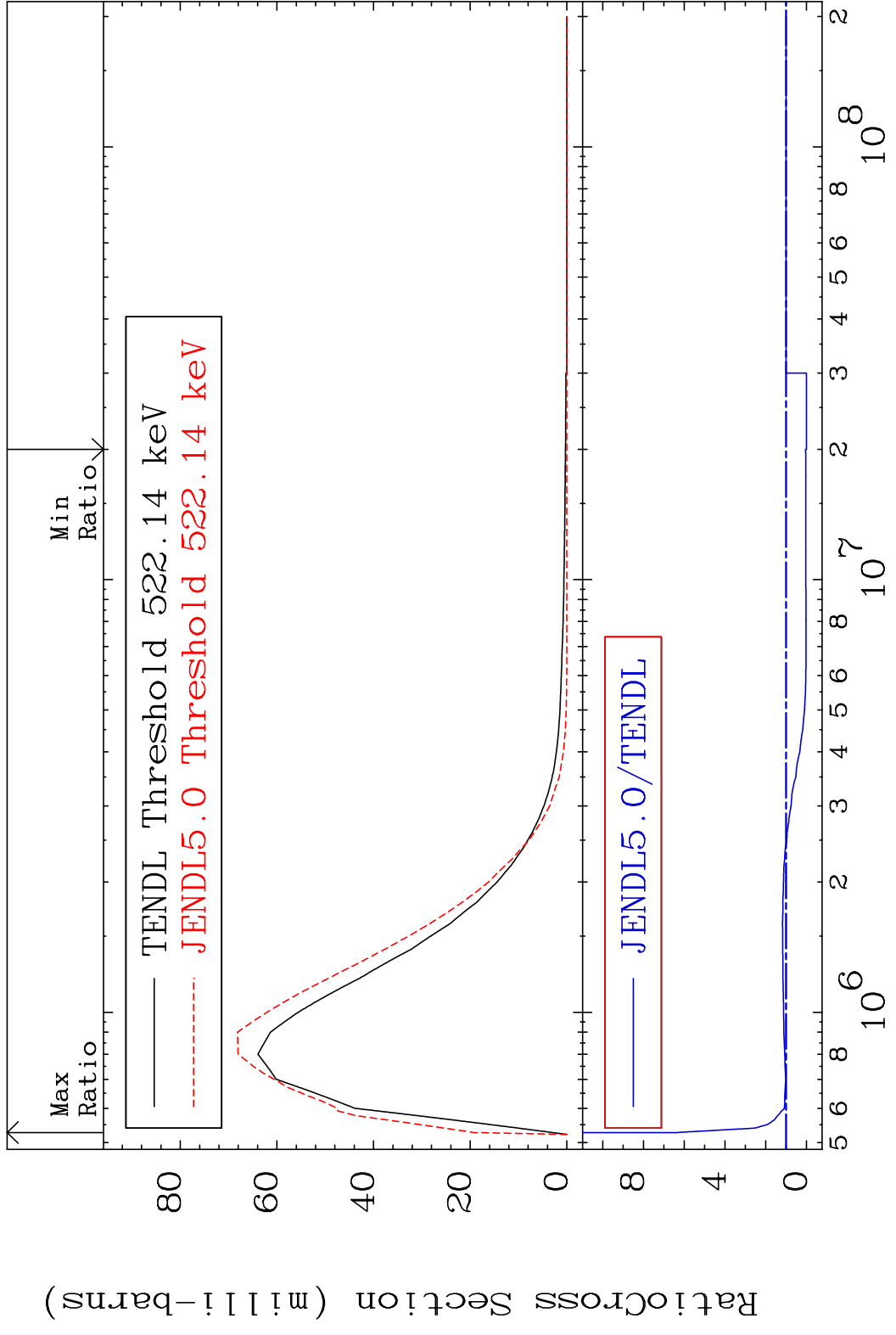
MAT 7646 MT= 71 (n, n') Level 76-0s-191
 Cross Section -100.0 To 133.2 %



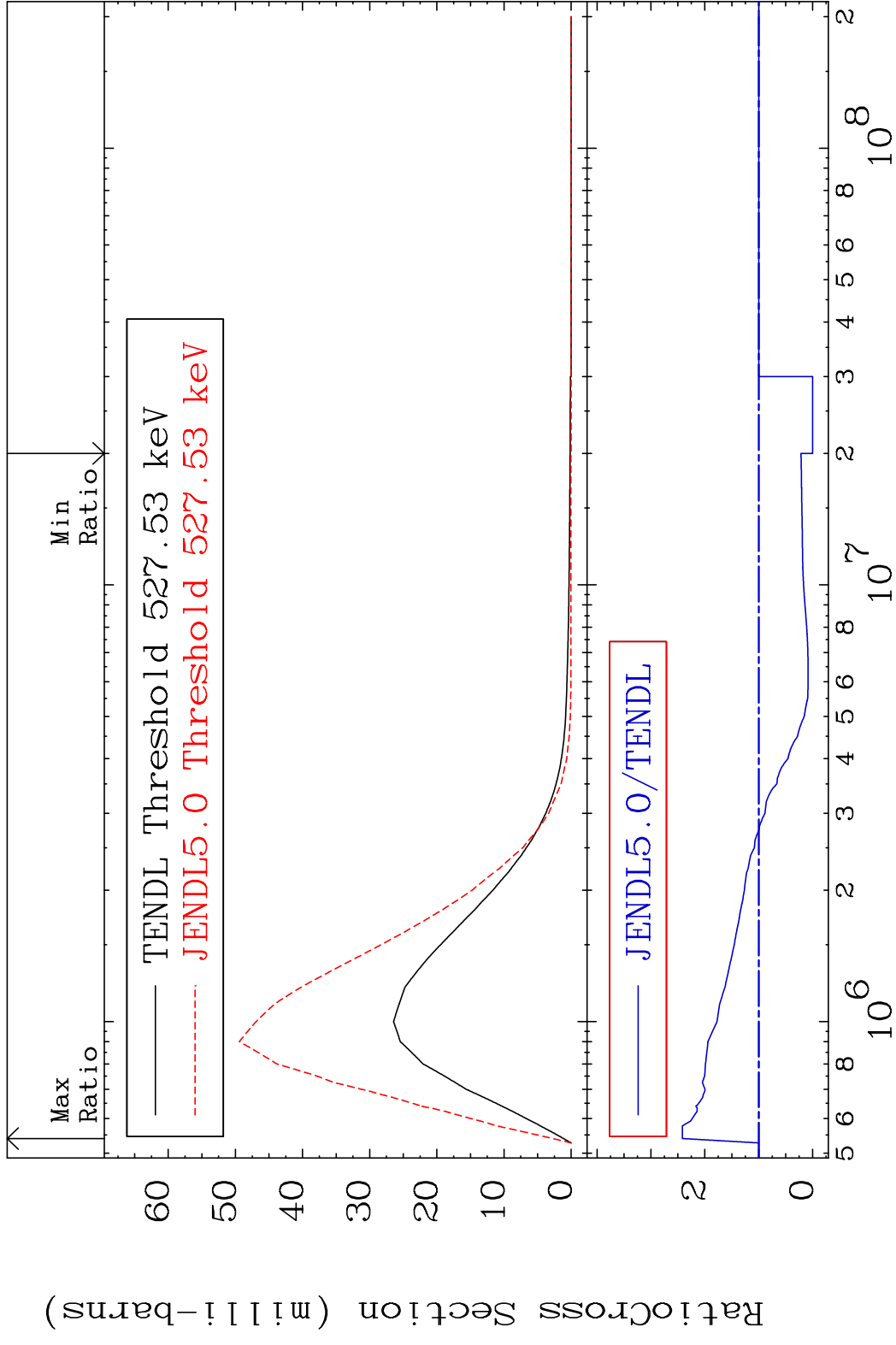
MAT 7646 MT= 72 (n, n') Level 76-0s-191
 Cross Section -100.0 To 433.6 %



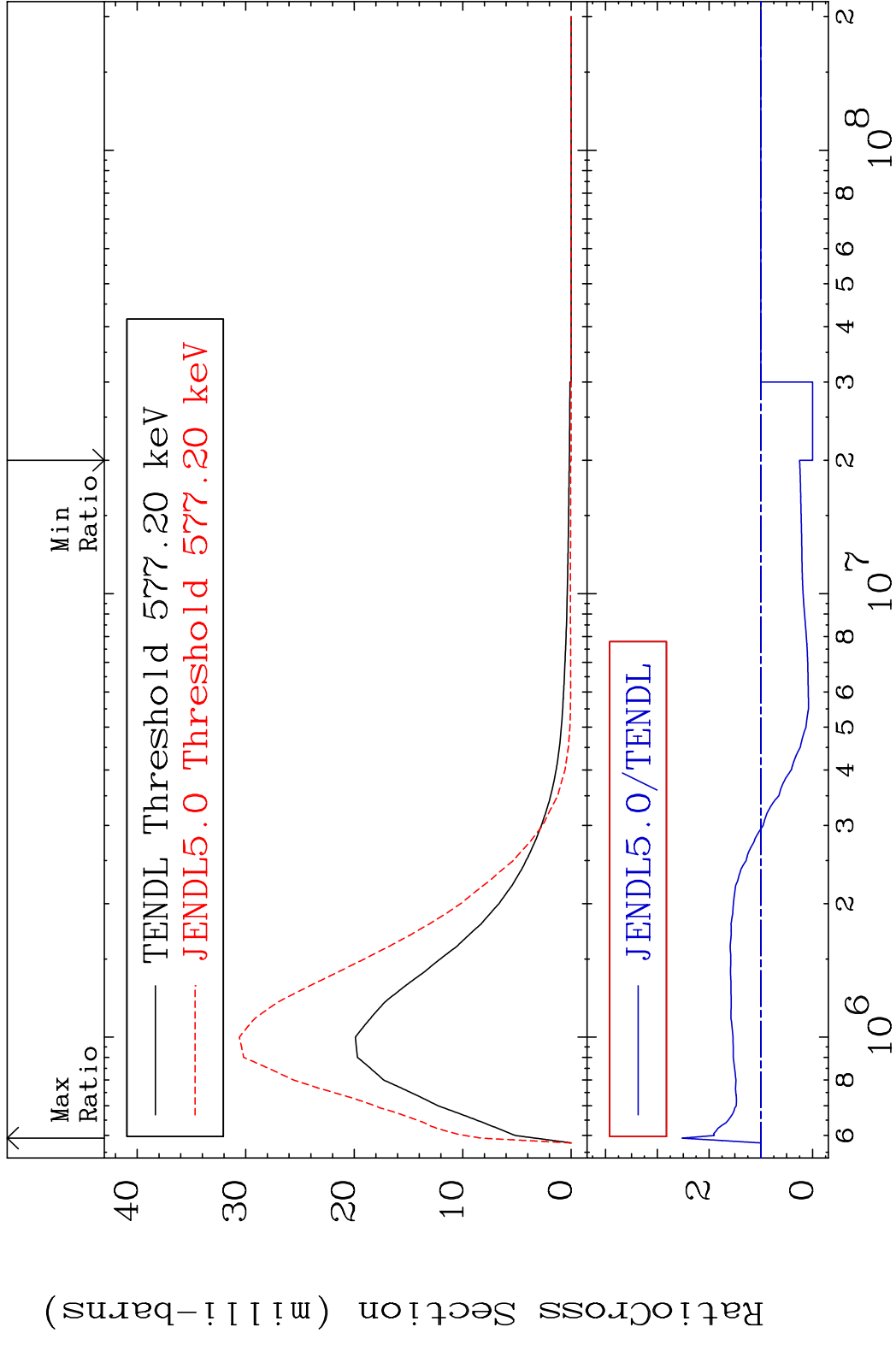
MAT 7646 MT= 73 (n, n') Level 76-0s-191
 Cross Section -100.0 To 534.4 %



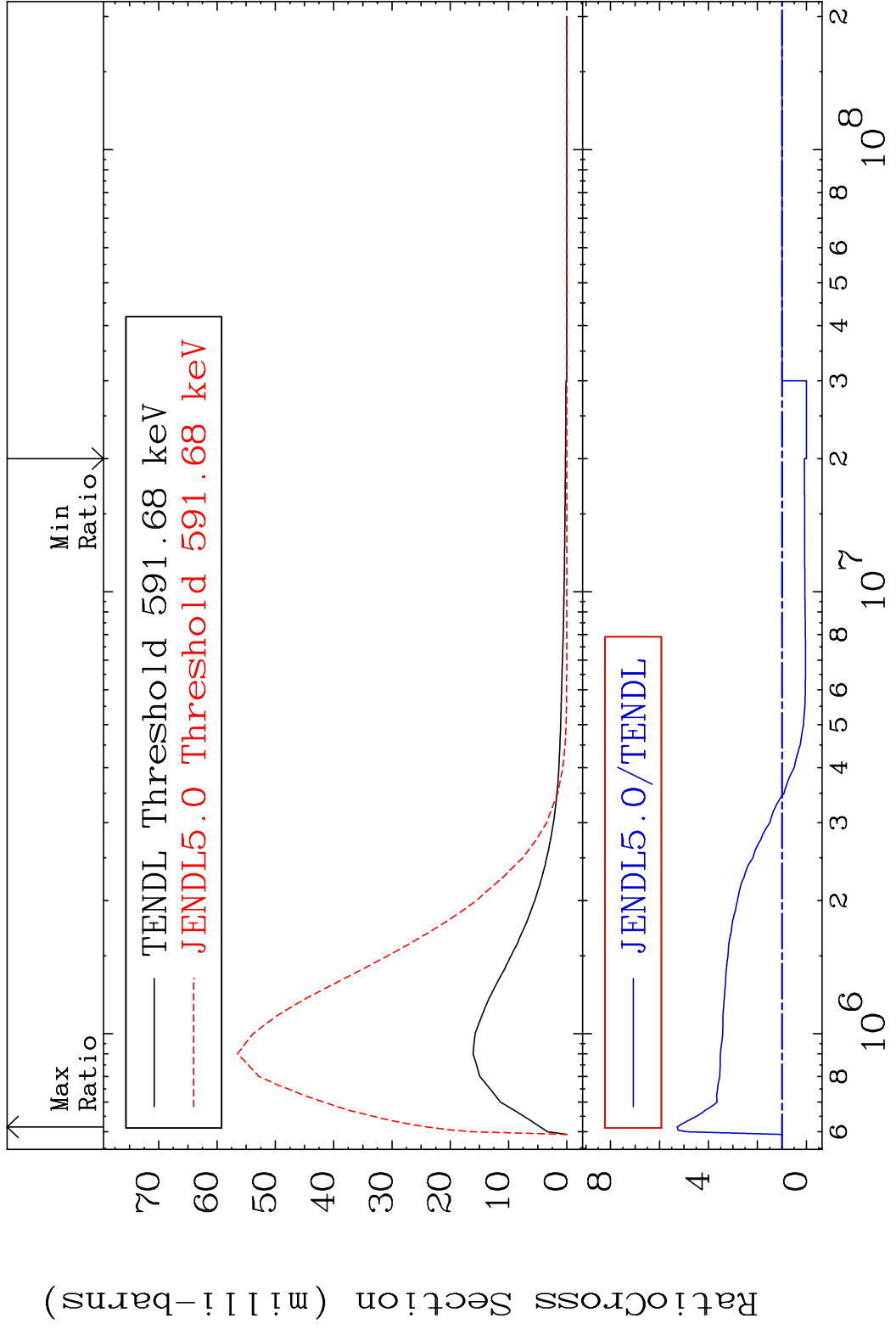
MAT 7646 MT= 74 (n, n') Level 76-0s-191
 Cross Section -100.0 To 141.7 %



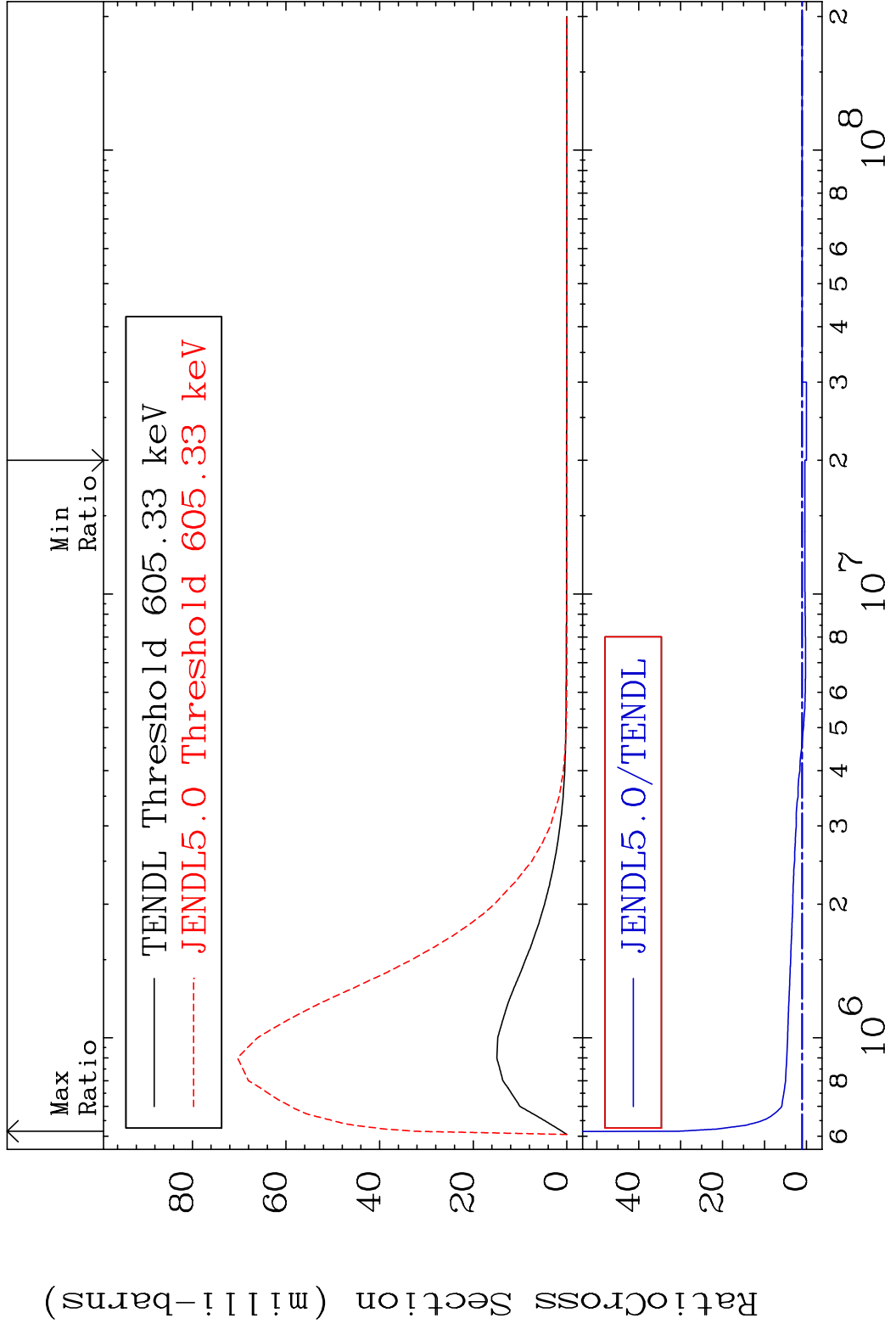
MAT 7646 MT= 75 (n, n') Level 76-0s-191
 Cross Section -100.0 To 151.6 %



MAT 7646 MT= 76 (n, n') Level 76-0s-191
 Cross Section -100.0 To 427.8 %



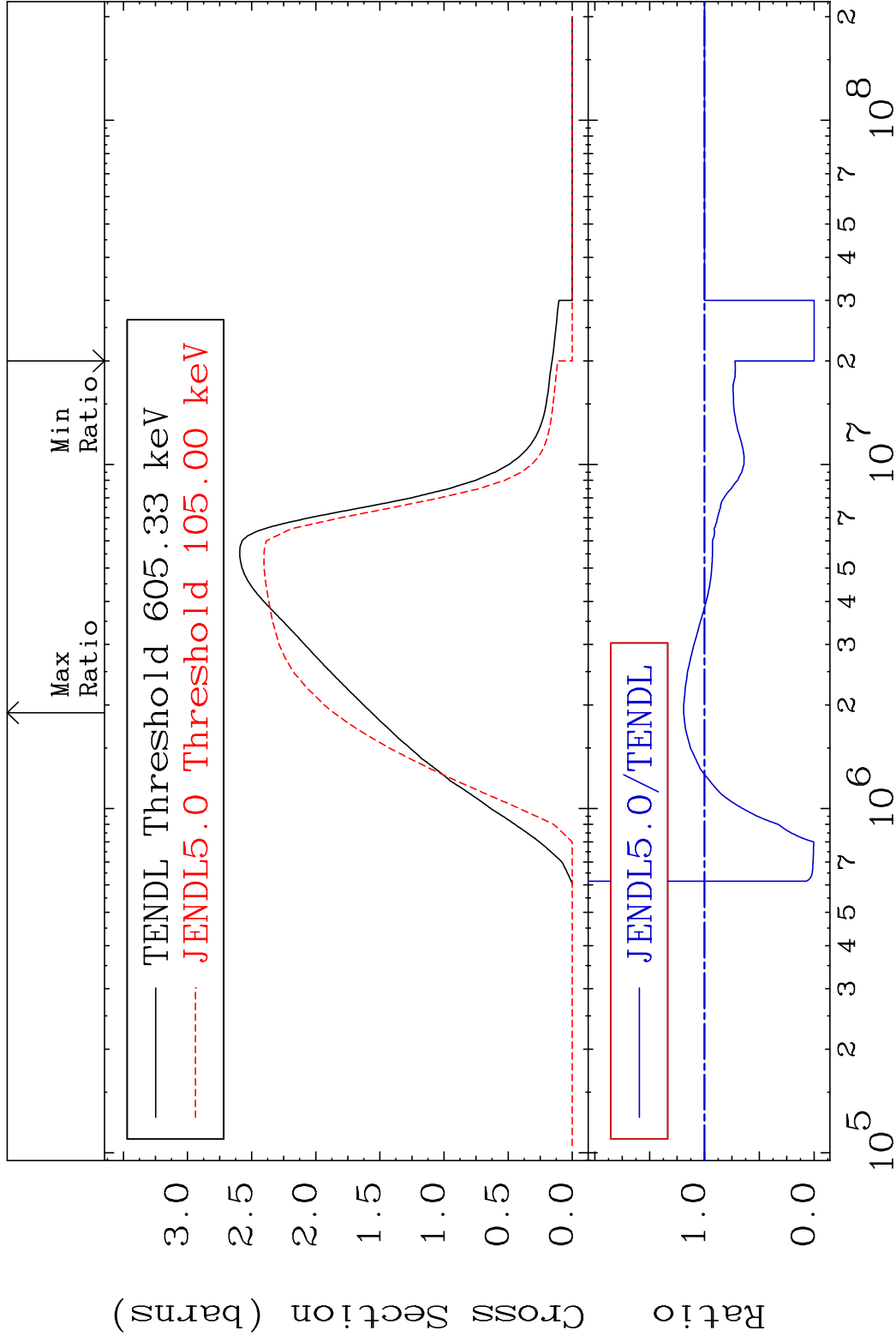
MAT 7646 MT= 77 (n, n') Level 76-0s-191
 Cross Section -100.0 To 2983. %



40 Incident Energy (eV) 76-0s-191

MAT 7646

(n, n') Continuum 76-Os-191
Cross Section -100.0 To 18.93 %



41

Incident Energy (eV)

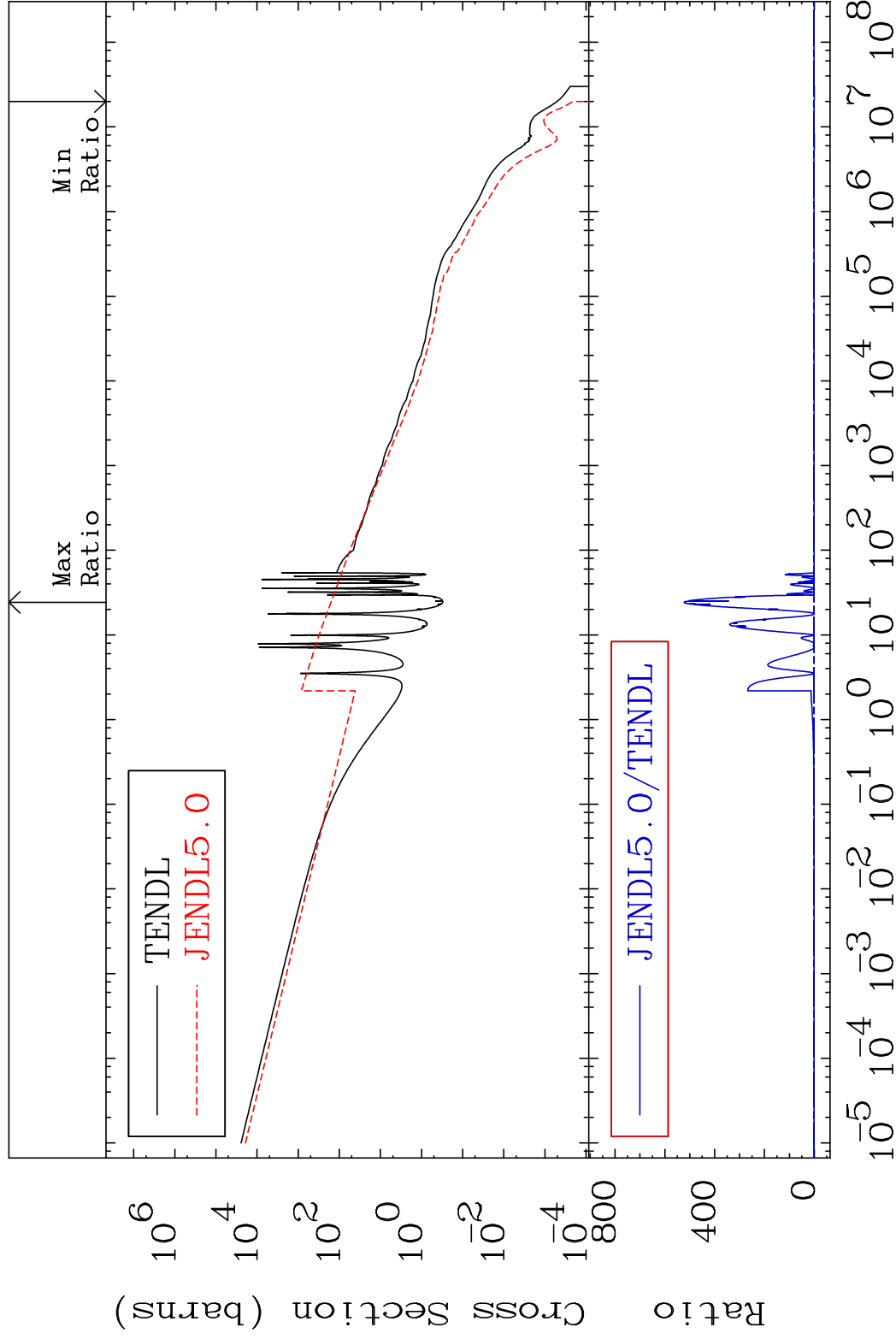
76-Os-191

MAT 7646

76-Os-191

(n, γ)

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

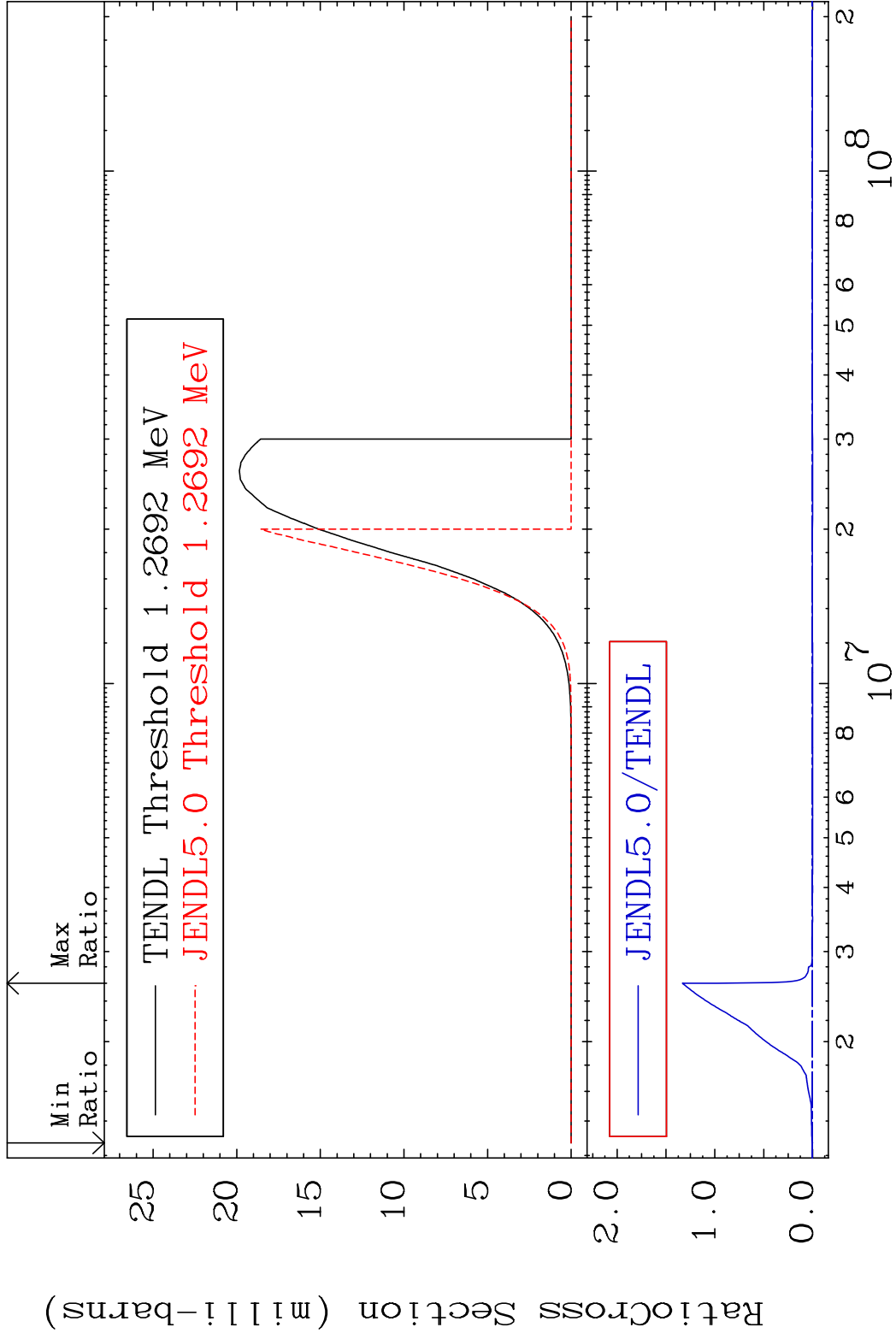
76-Os-191

MAT 7646

(n,p)

76-Os-191

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

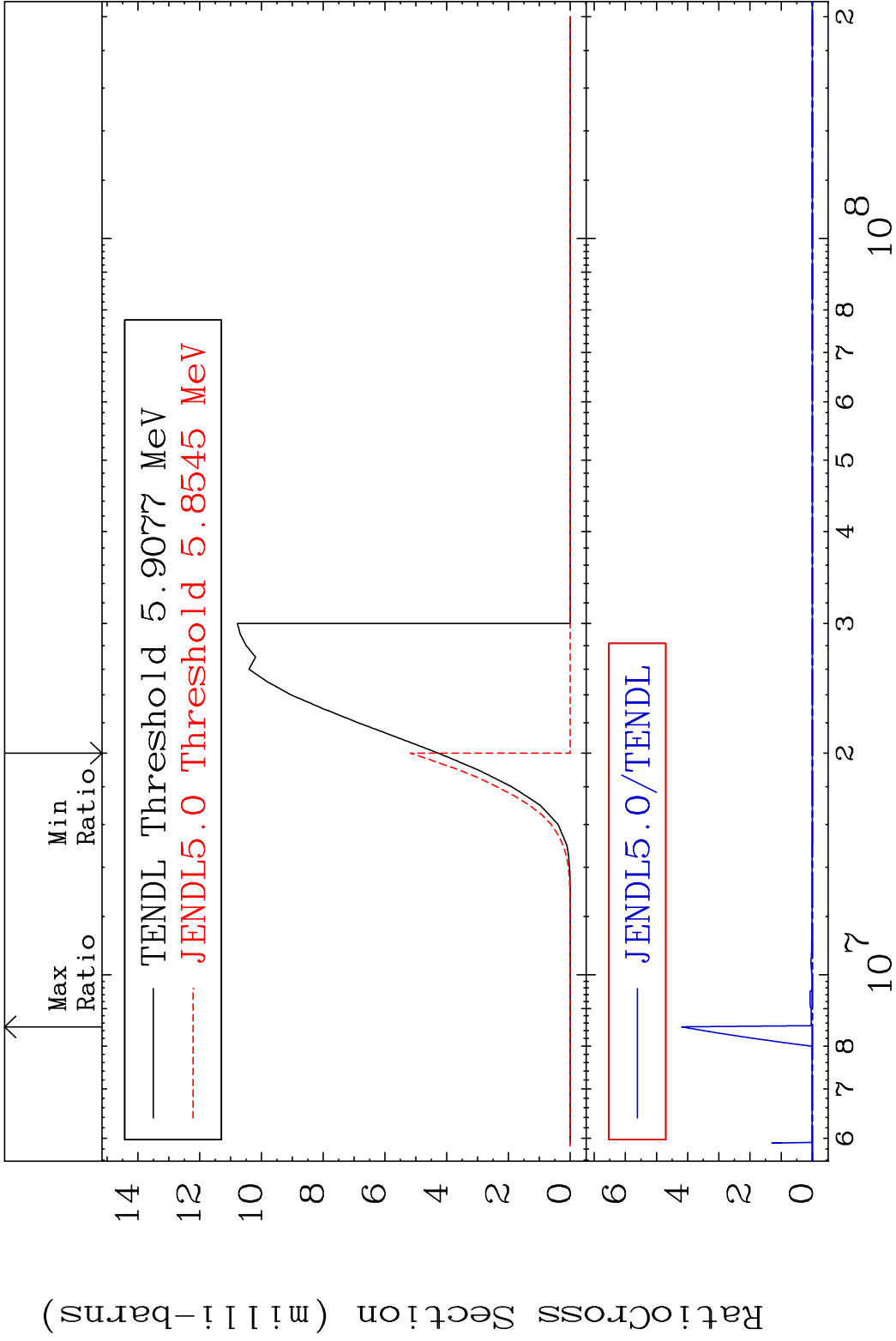
76-Os-191

MAT 7646

(n,d)

76-Os-191

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

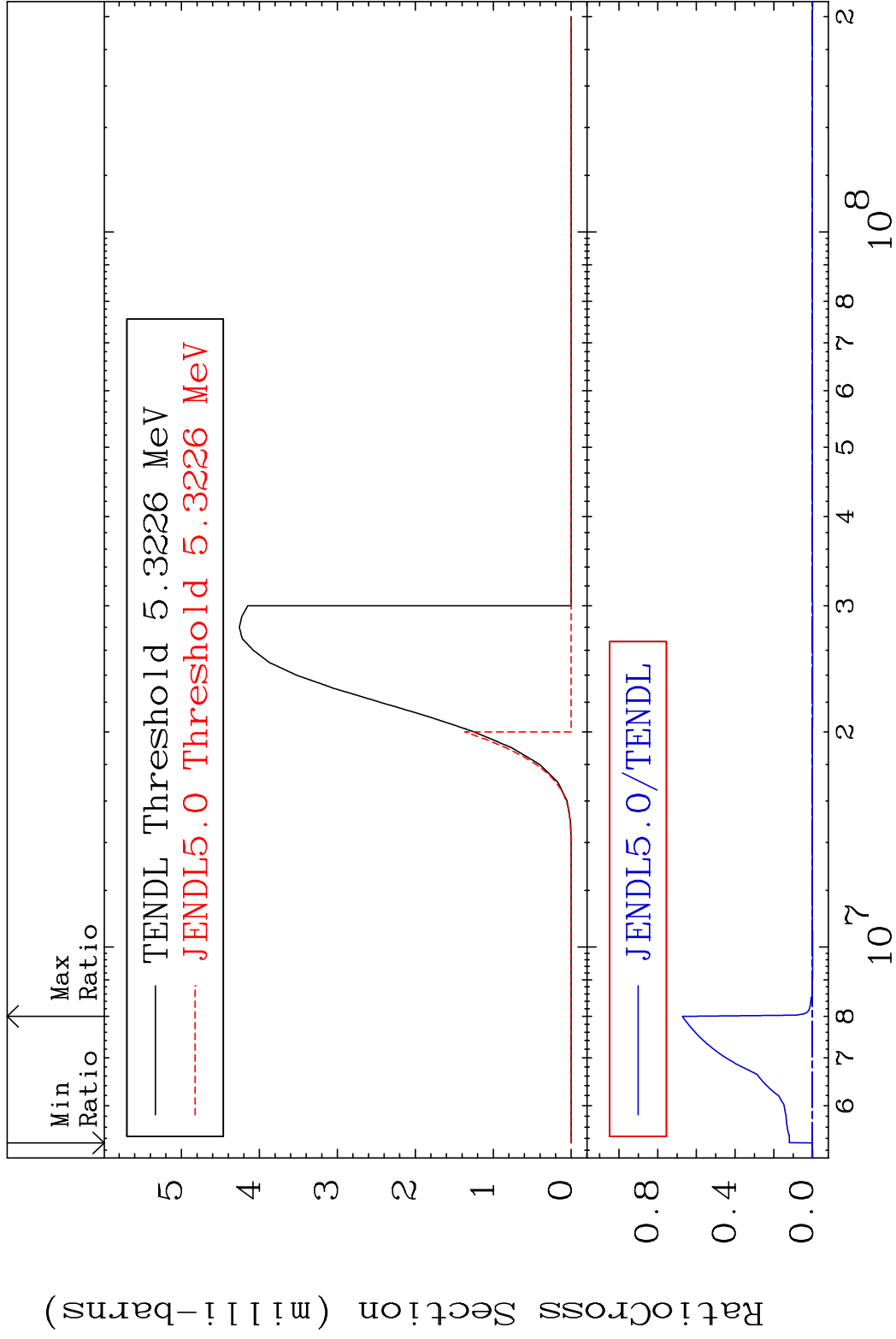
76-Os-191

MAT 7646

(n, t)

76-0s-191

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

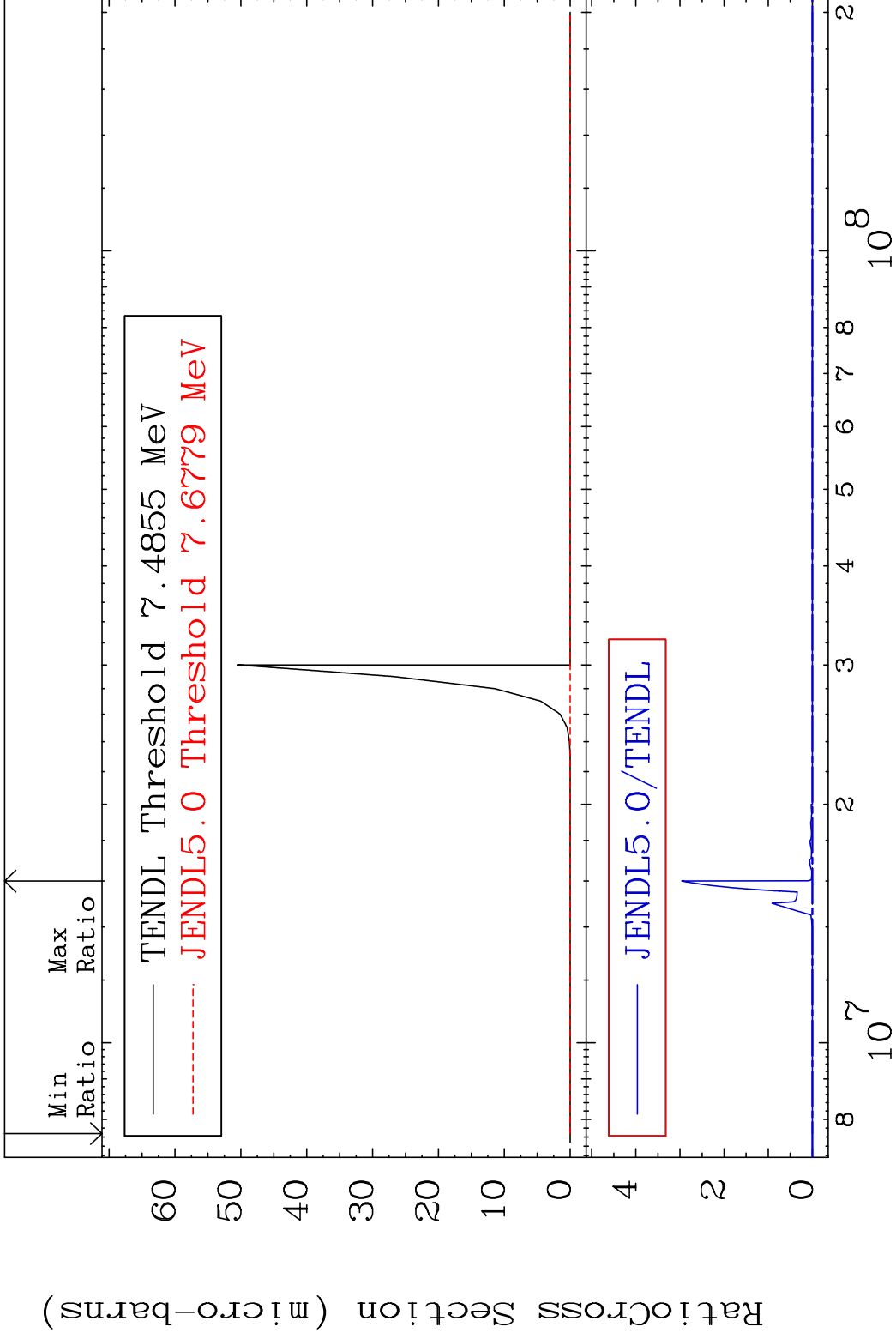
76-0s-191

MAT 7646

(n, He-3)

76-Os-191

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

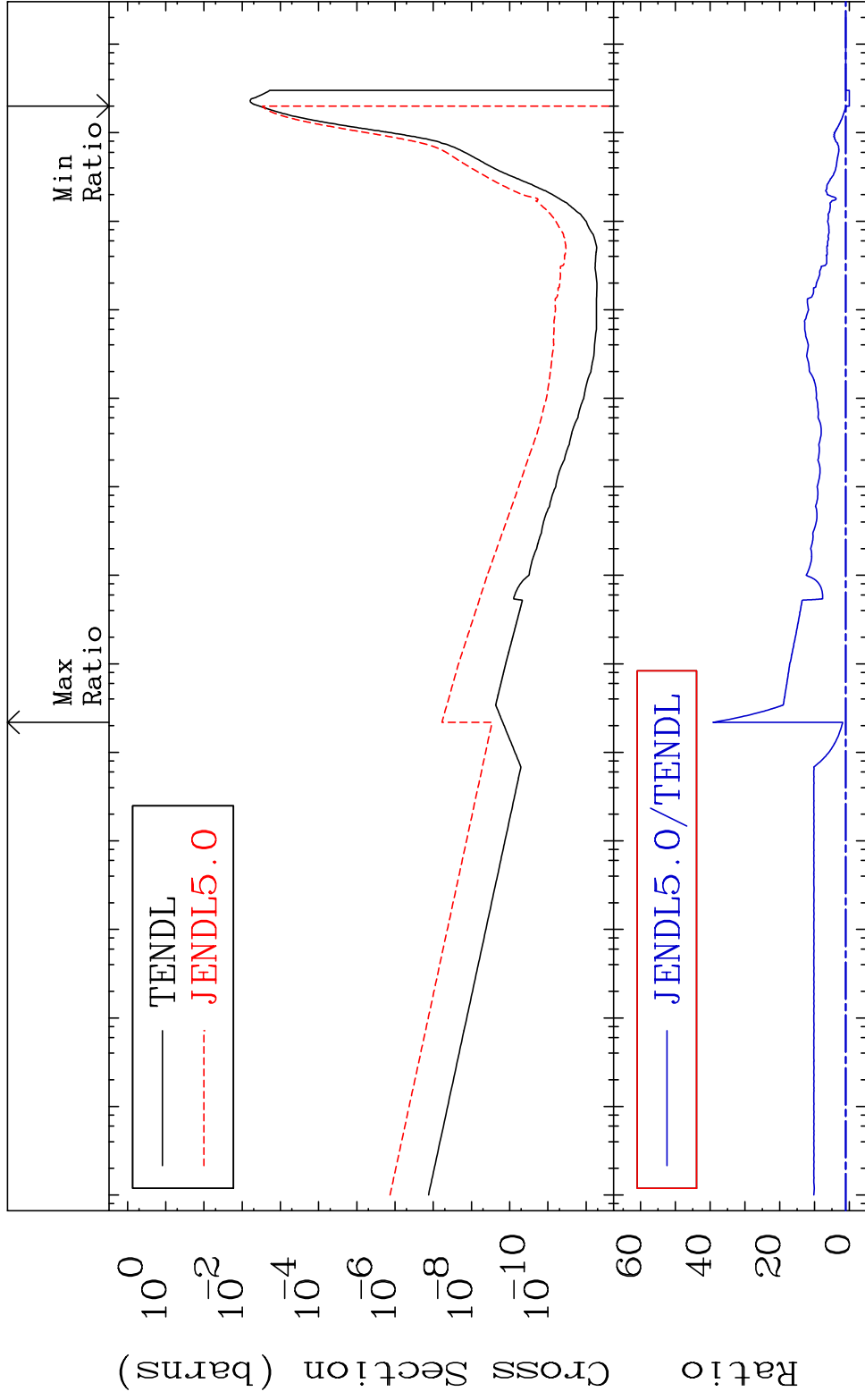
76-Os-191

MAT 7646

(n, α)

76-Os-191

Cross Section -100.0 To 3813. %



47

Incident Energy (eV)

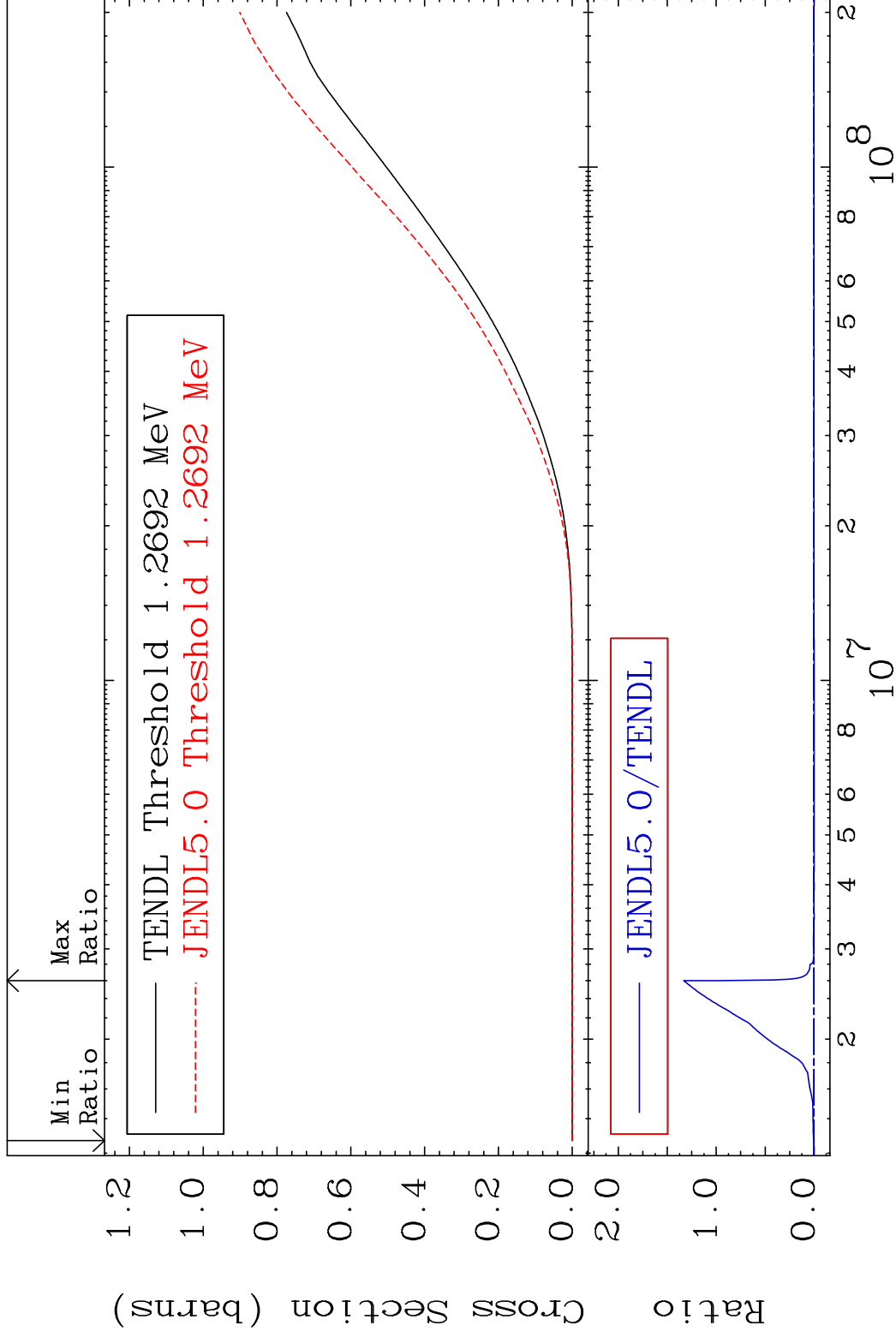
76-Os-191

MAT 7646

Hydrogen Production

76-0s-191

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

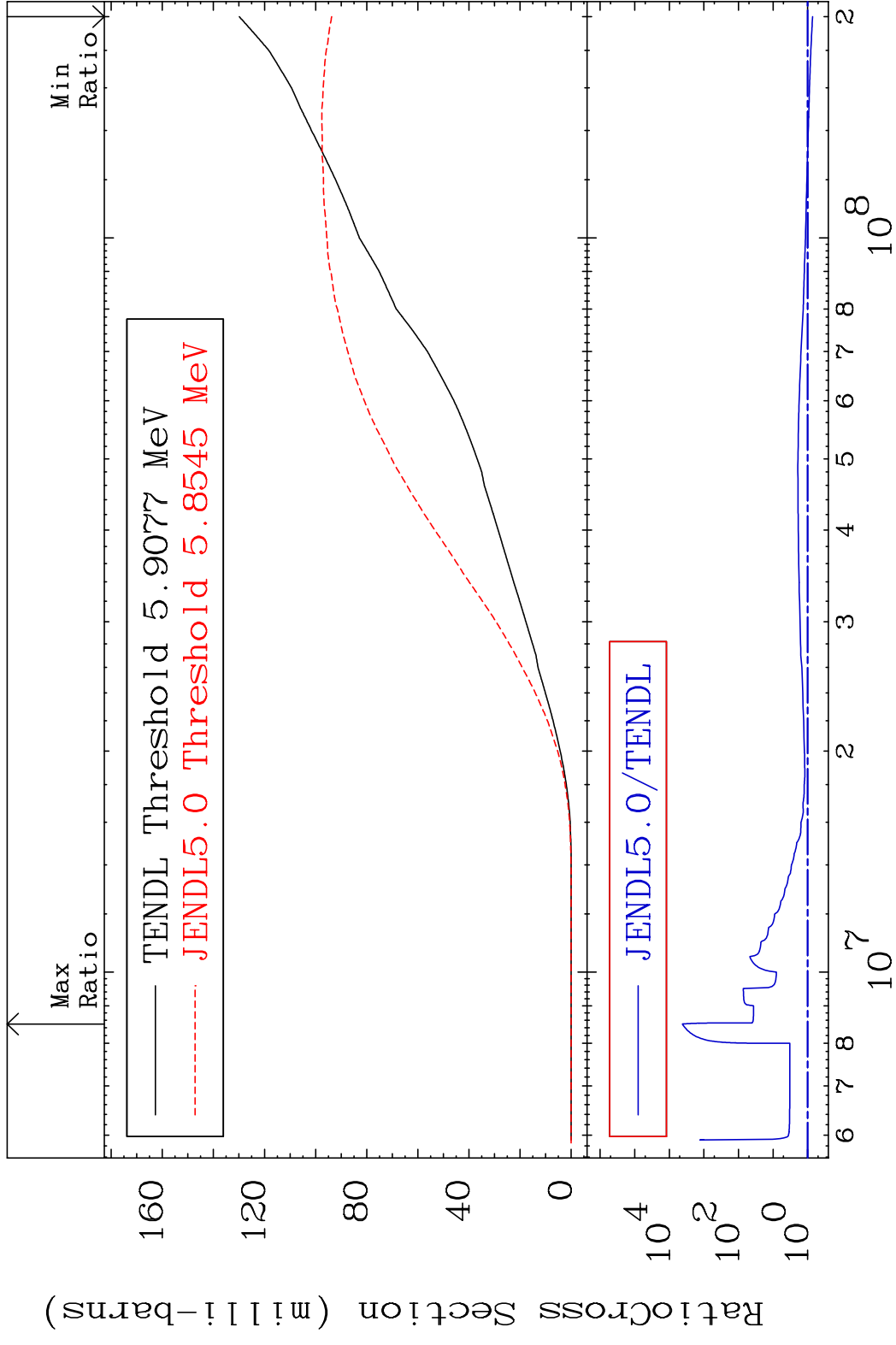
76-0s-191

MAT 7646

Deuterium Production

76-Os-191

Cross Section -27.84 To 9999. %



49

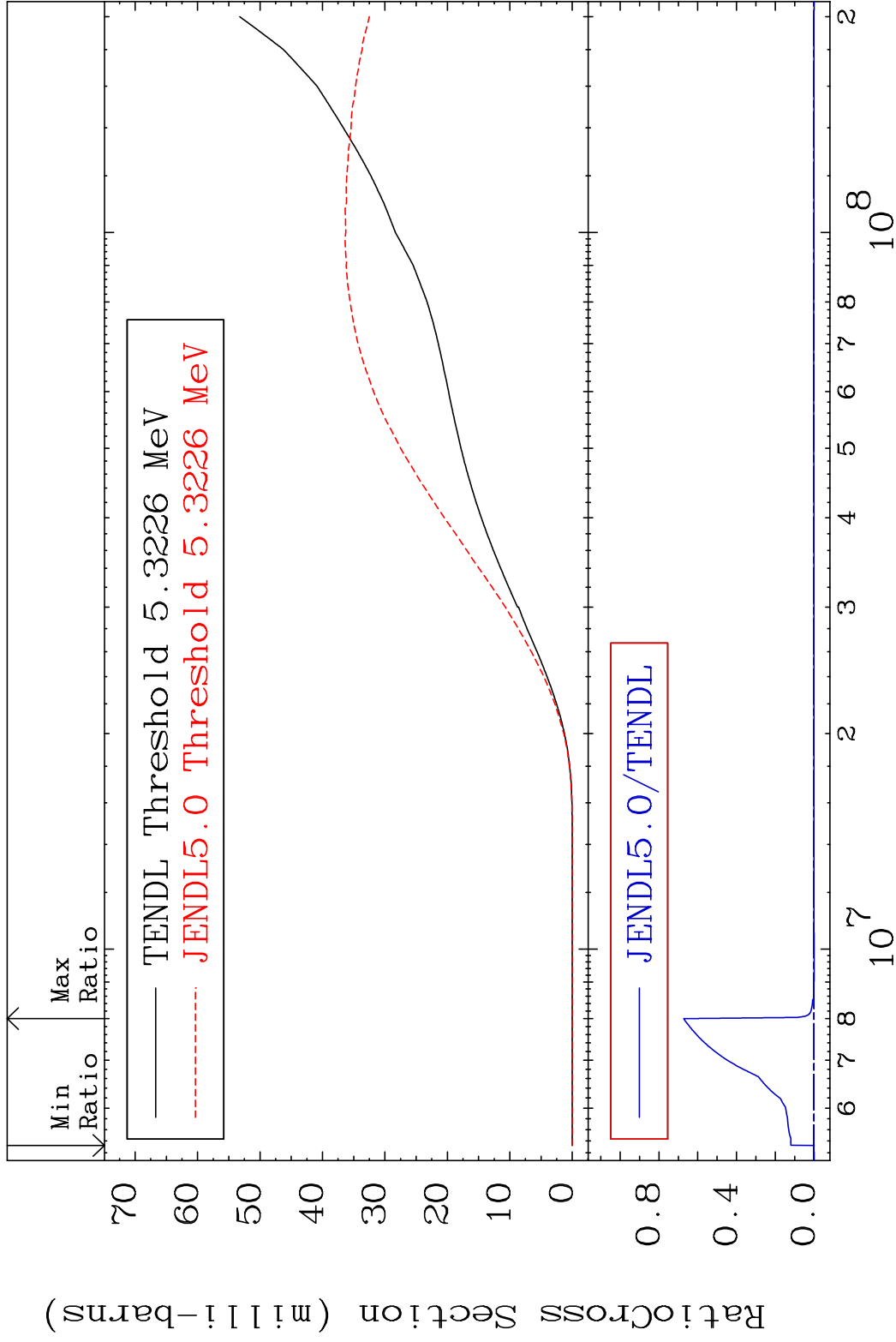
Incident Energy (eV)

76-Os-191

MAT 7646

Tritium Production 76-Os-191

Cross Section -100.0 To 9999. %



50

Incident Energy (eV)

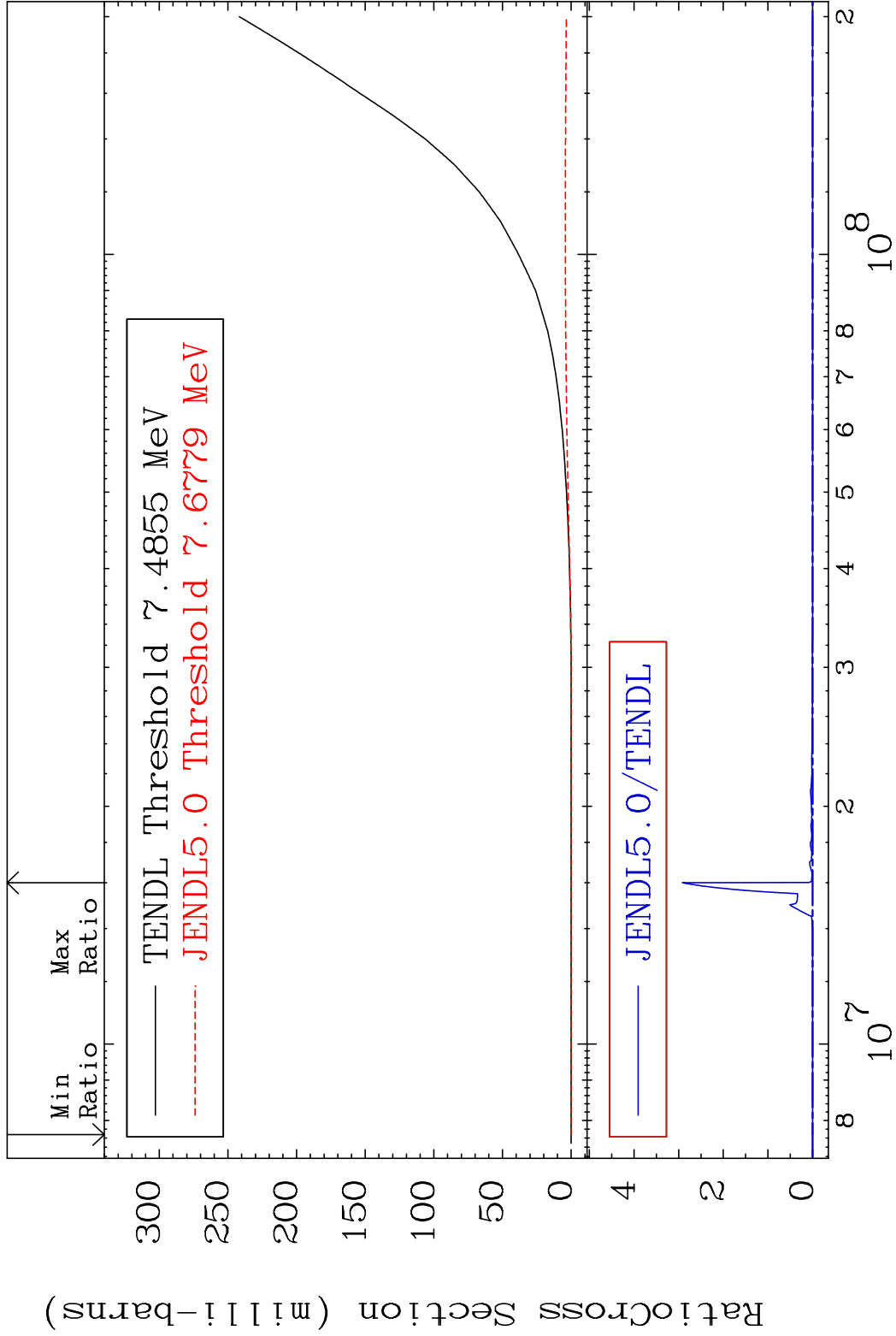
76-Os-191

MAT 7646

He-3 Production

76-Os-191

Cross Section -100.0 To 9999. %



51

Incident Energy (eV)

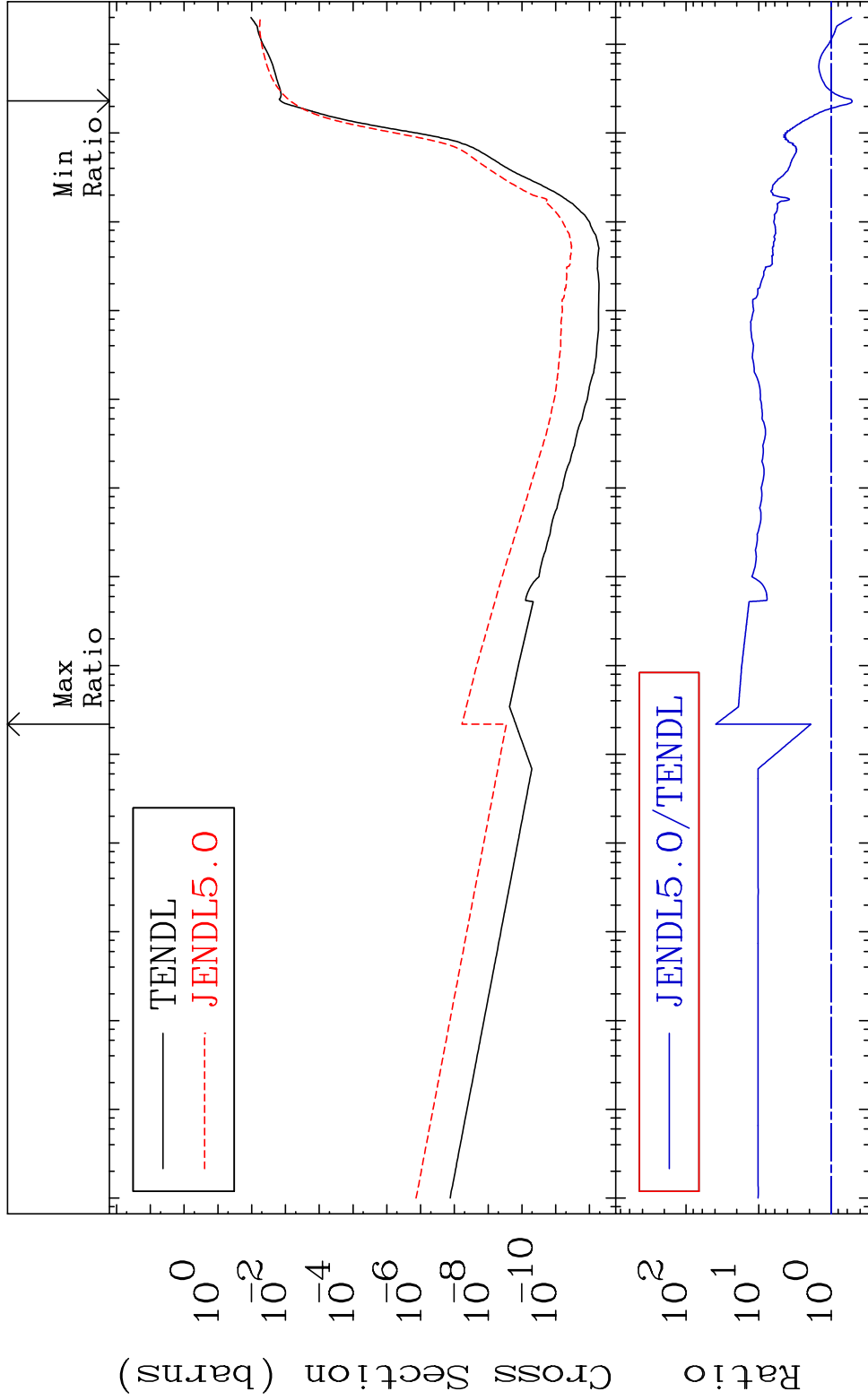
76-Os-191

MAT 7646

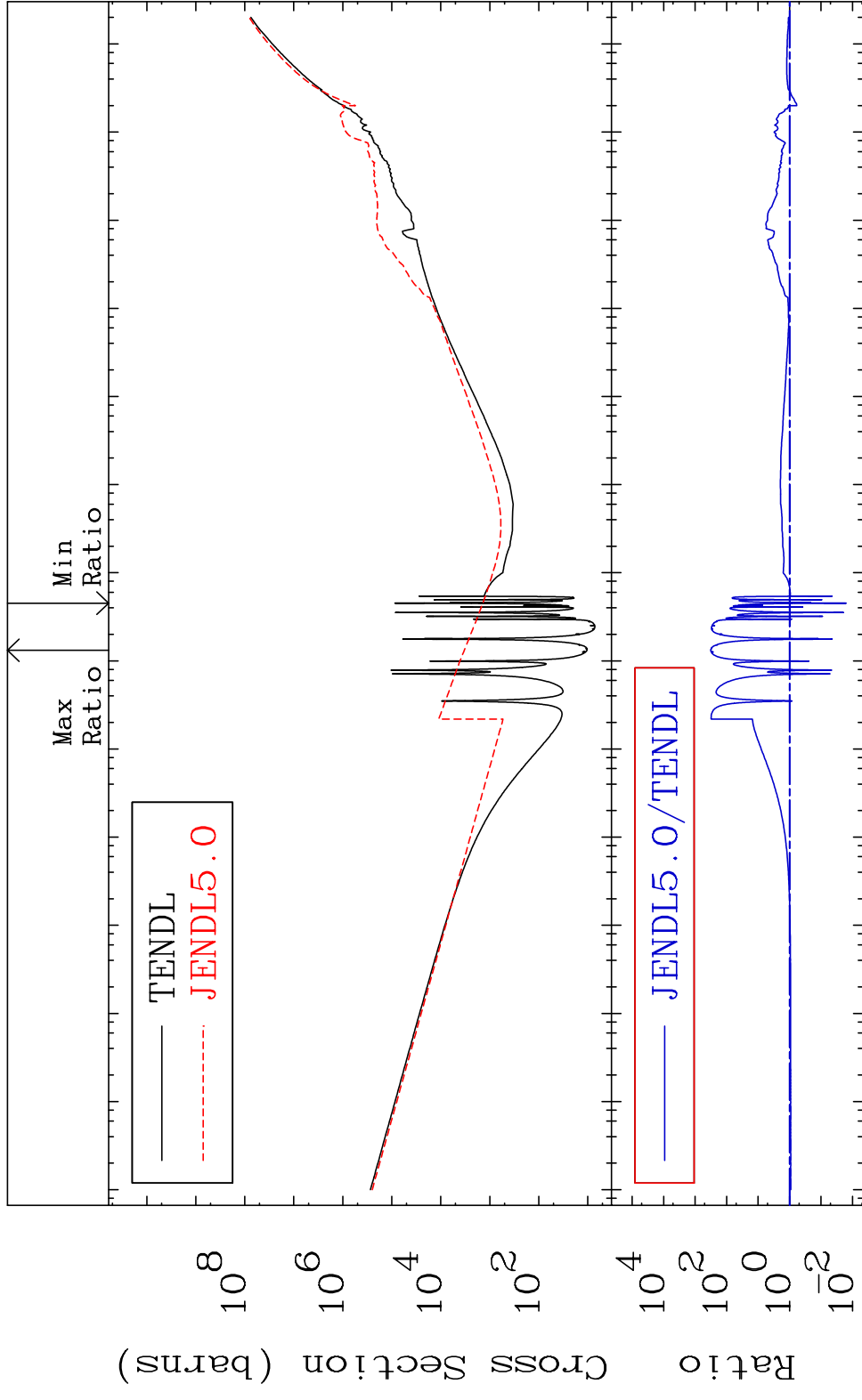
He-4 Production

76-0s-191

Cross Section -48.72 To 3813. %



MAT 7646 Kerma total (eV-barns) 76-0s-191
 Cross Section -98.42 To 9999. %

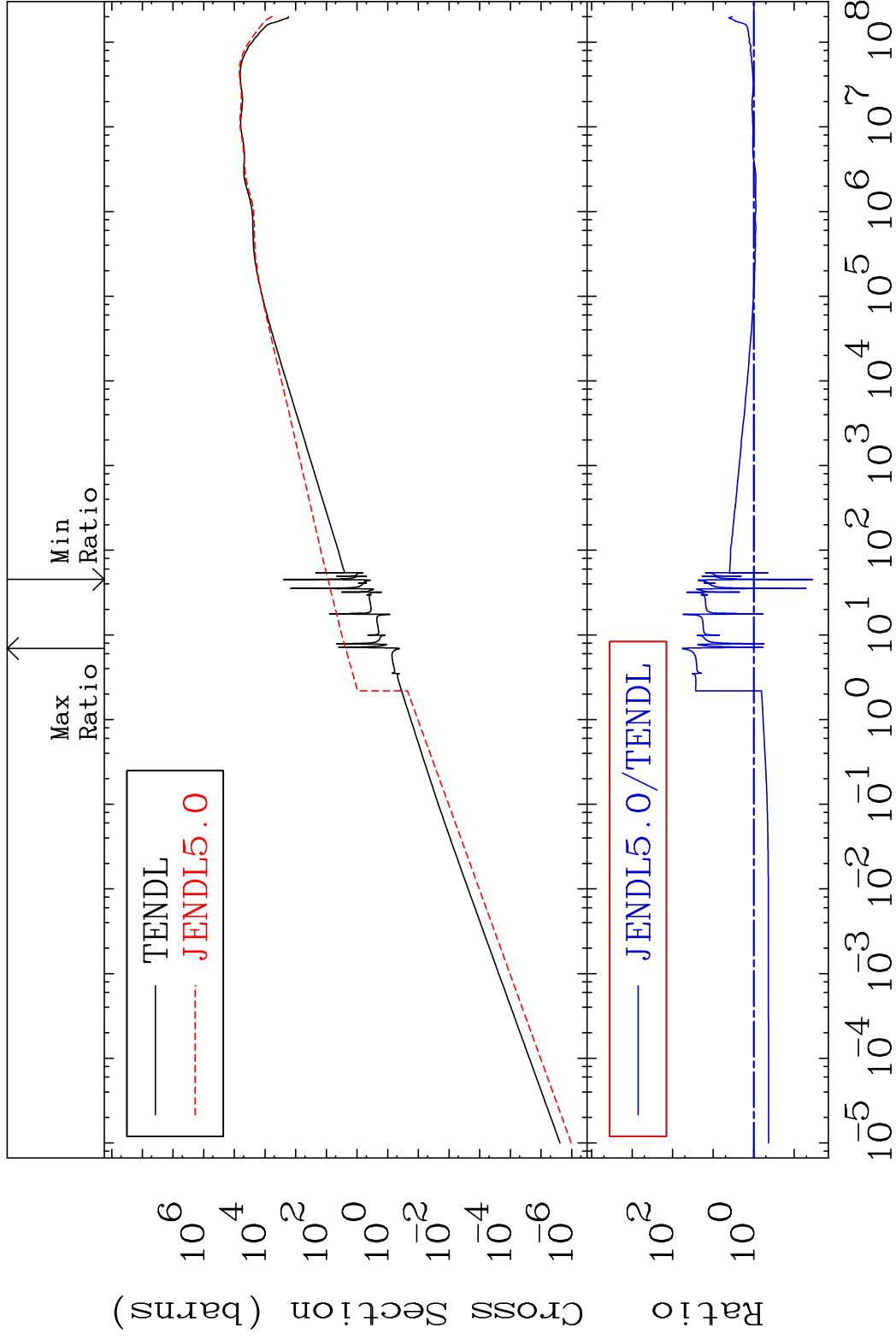


MAT 7646

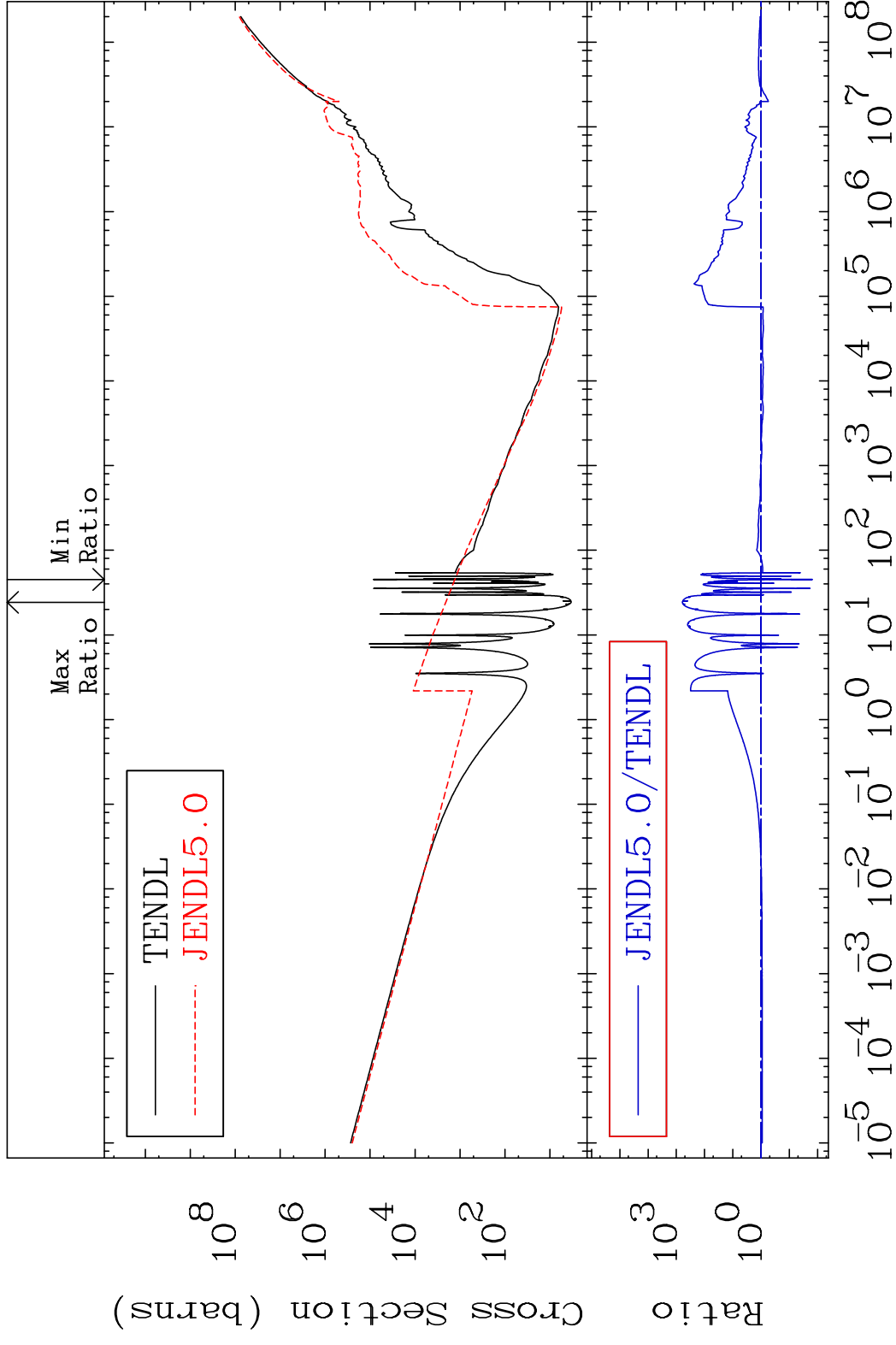
Kerma elastic

76-0s-191

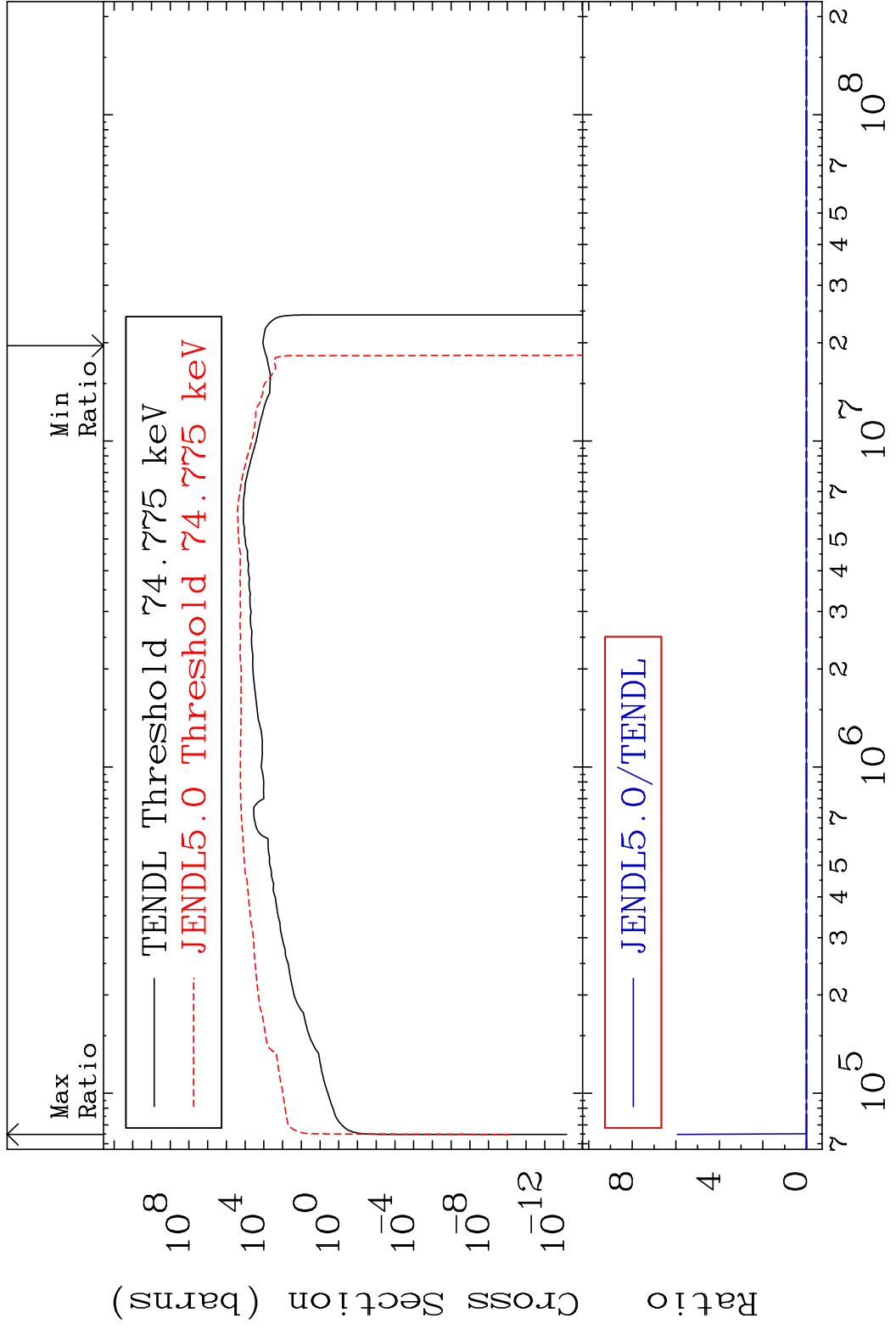
Cross Section -96.47 To 5674. %



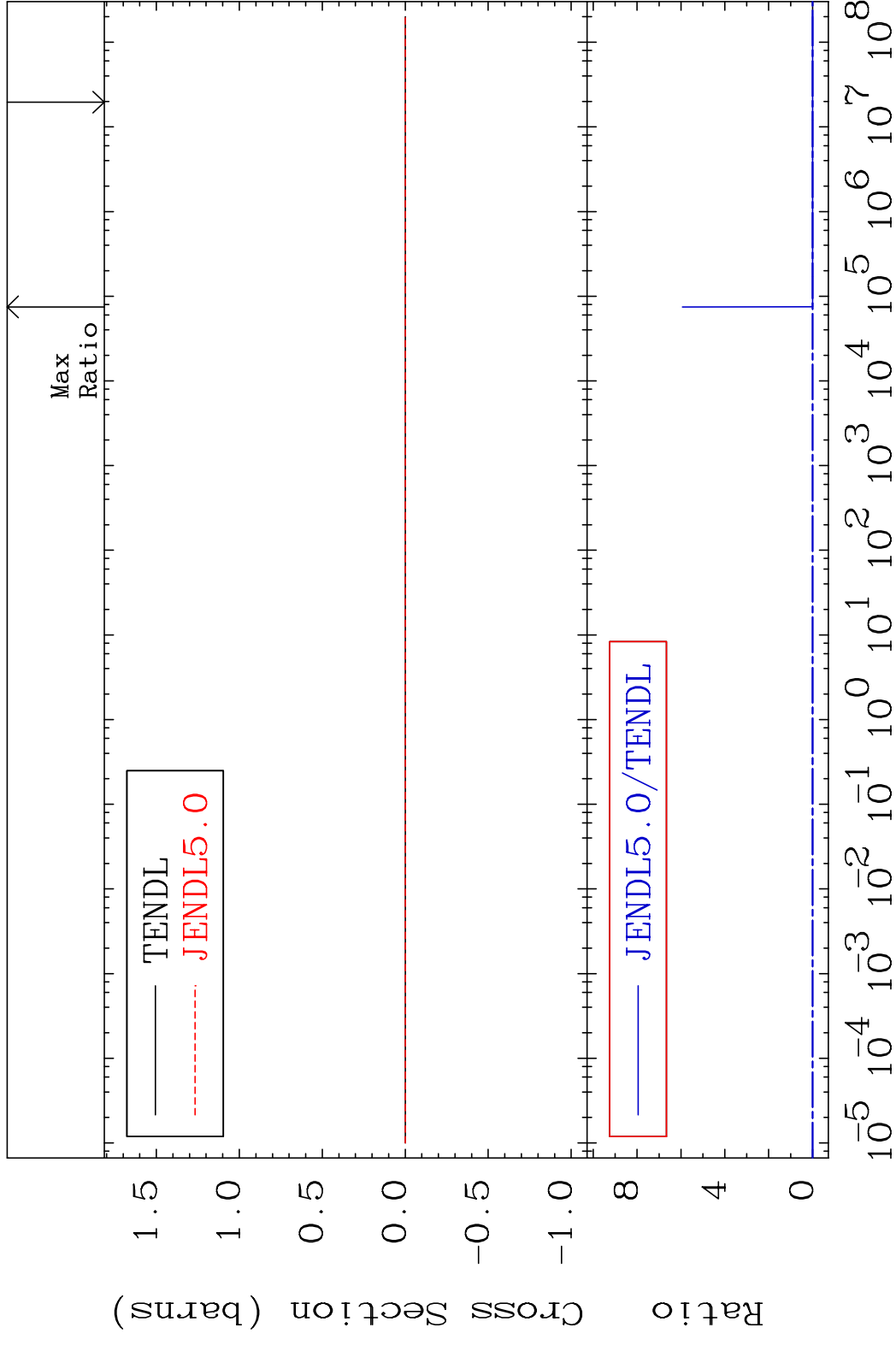
MAT 7646 Kerma non-elastic (all but mt2) 76-Os-191
 Cross Section -98.48 To 9999. %



MAT 7646 Kerma inelastic (mt51-91) 76-Os-191
 Cross Section -129.5 To 9999. %

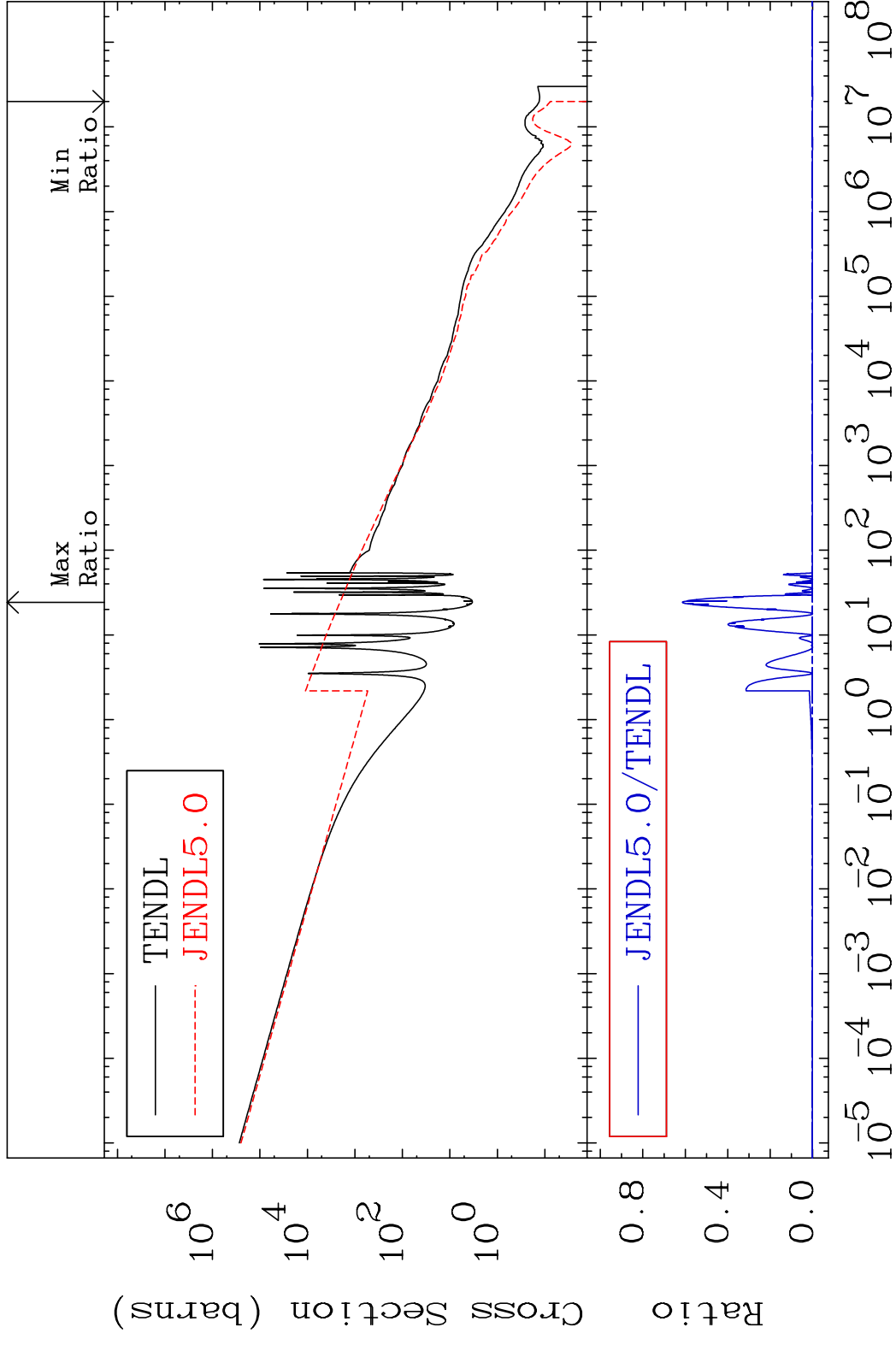


MAT 7646 Kerma fission (mt18 or mt19-20-21-38)76-0s-191
 Cross Section -129.5 To 9999. %

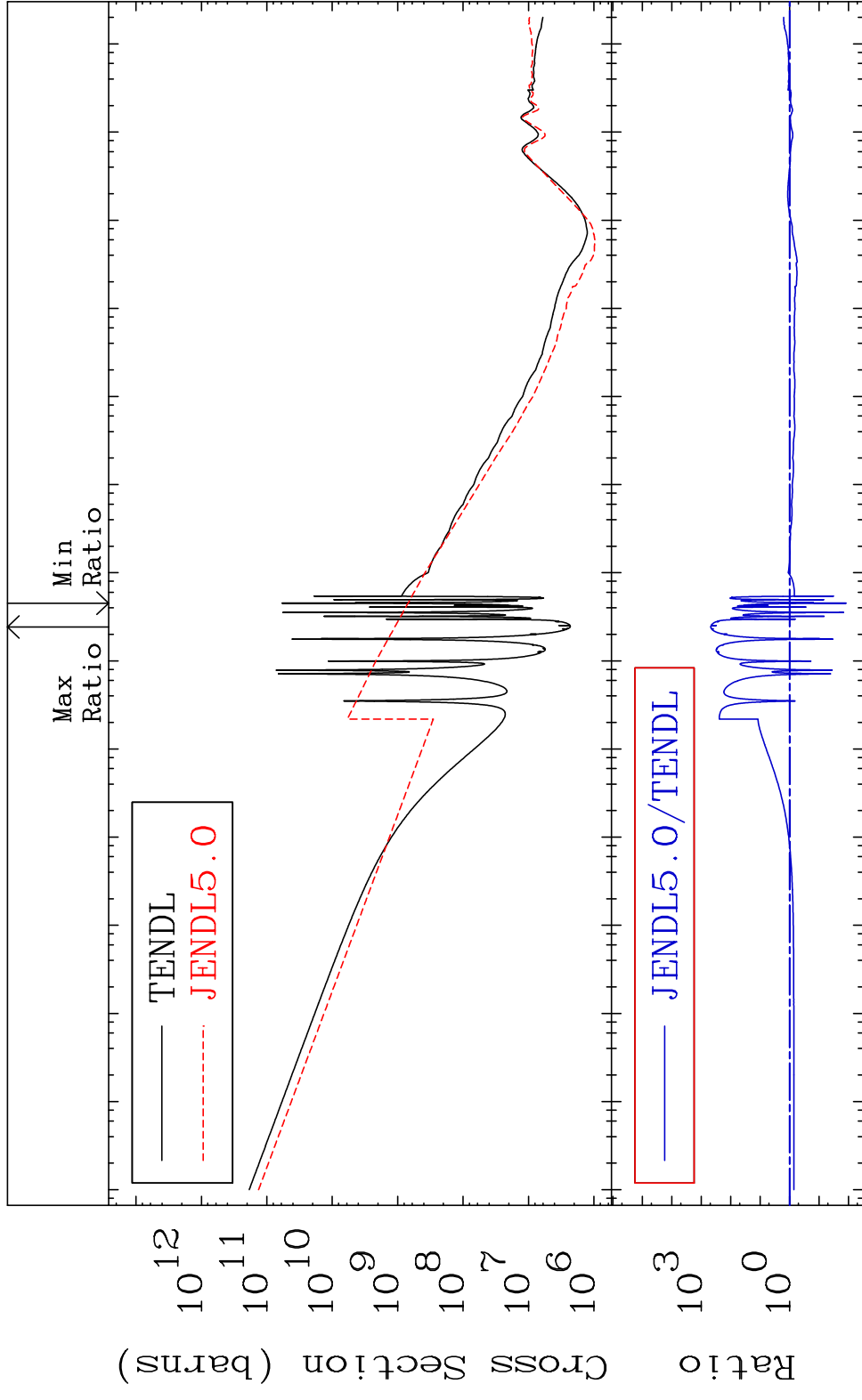


MAT 7646

Kerma capture (mt102) 76-Os-191
Cross Section -100.0 To 9999. %

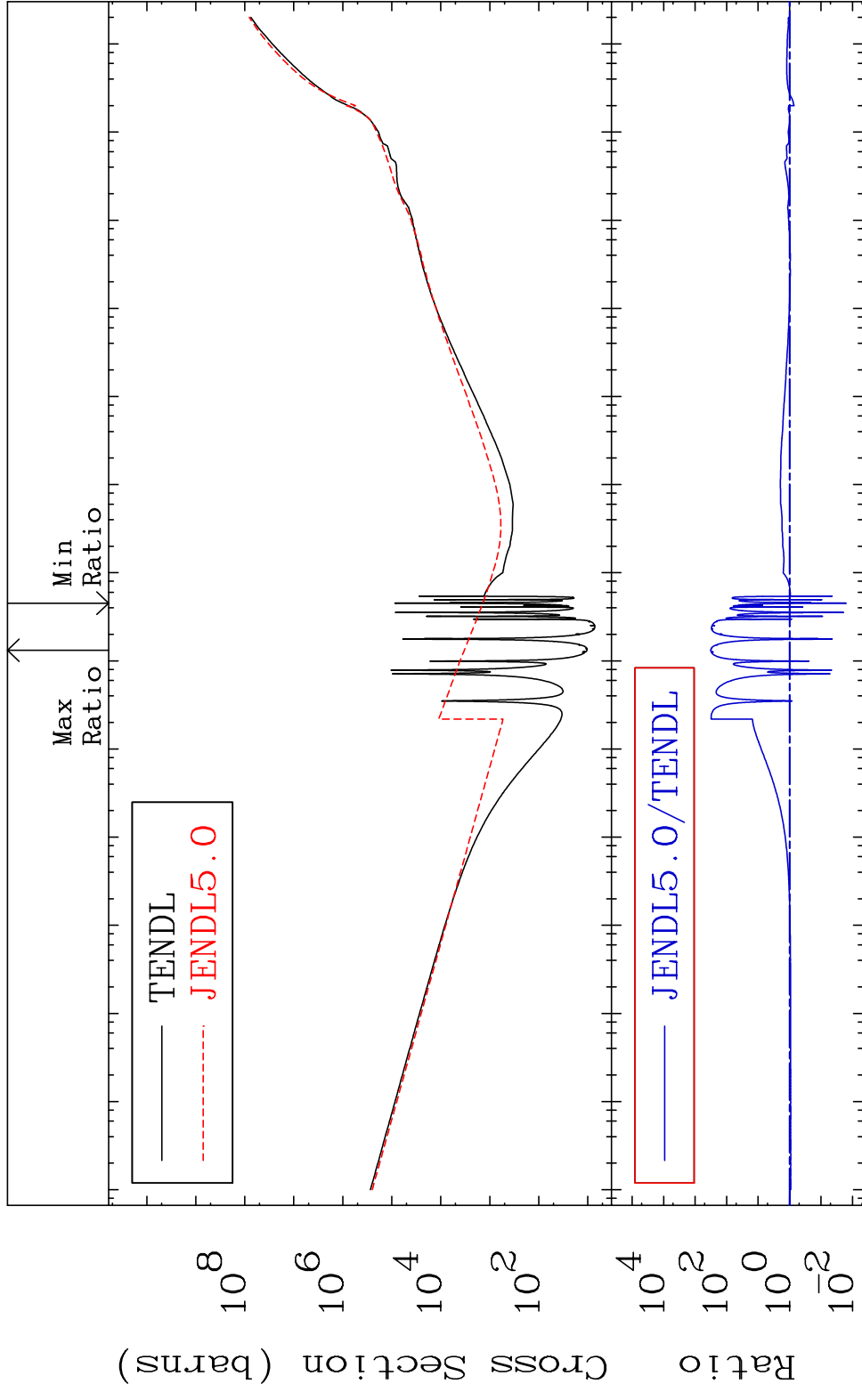


MAT 7646 Total photon (eV-barns) 76-0s-191
 Cross Section -98.81 To 9999. %



59 Incident Energy (eV) 76-0s-191

MAT 7646 Total kinematic kerma (high limit) 76-0s-191
 Cross Section -98.42 To 9999. %



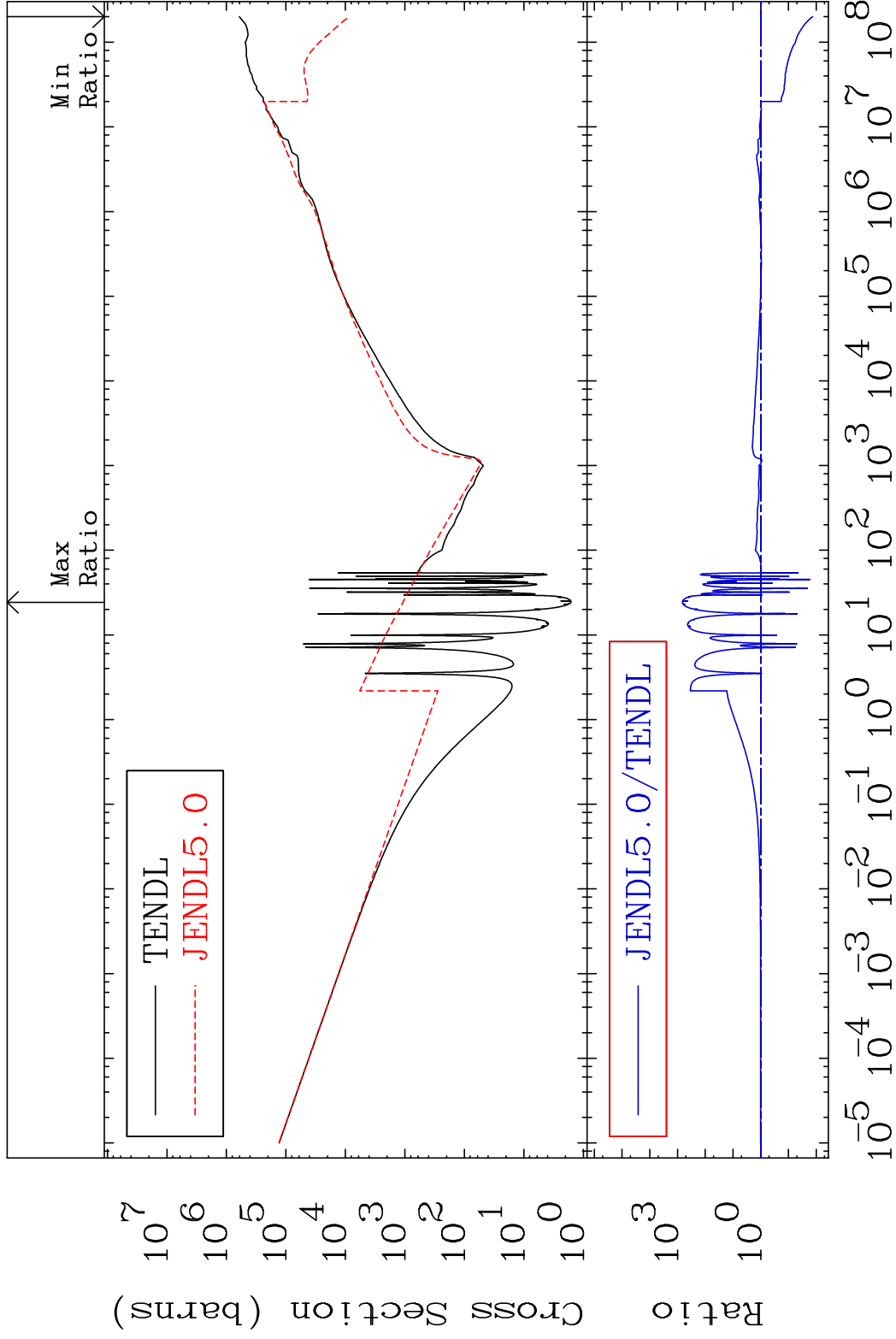
60 Incident Energy (eV) 76-0s-191

MAT 7646

Dpa total (eV-barns)

76-0s-191

Cross Section -98.64 To 9999. %



61

Incident Energy (eV)

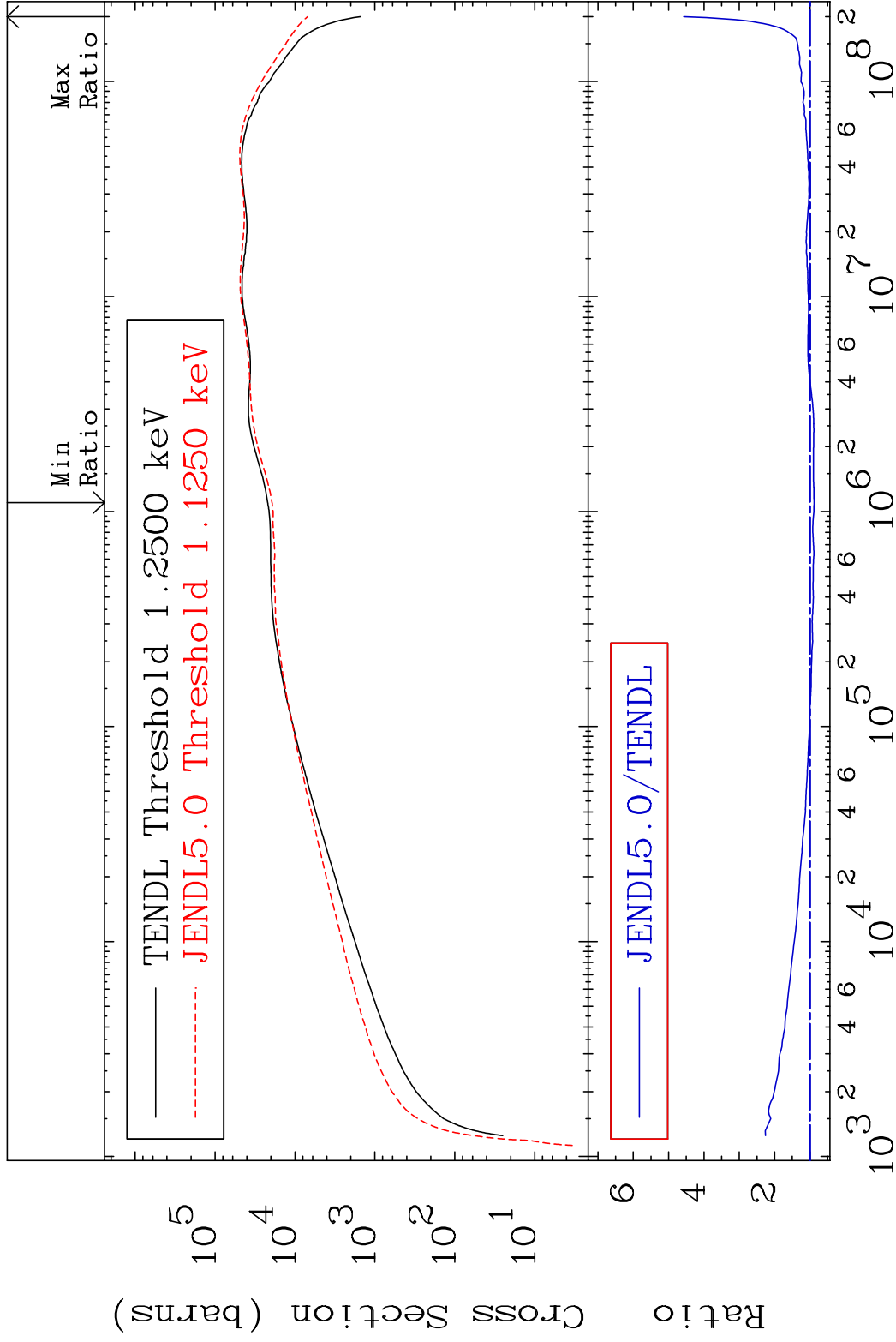
76-0s-191

MAT 7646

Dpa elastic (mt2)

76-Os-191

Cross Section -11.75 To 357.4 %

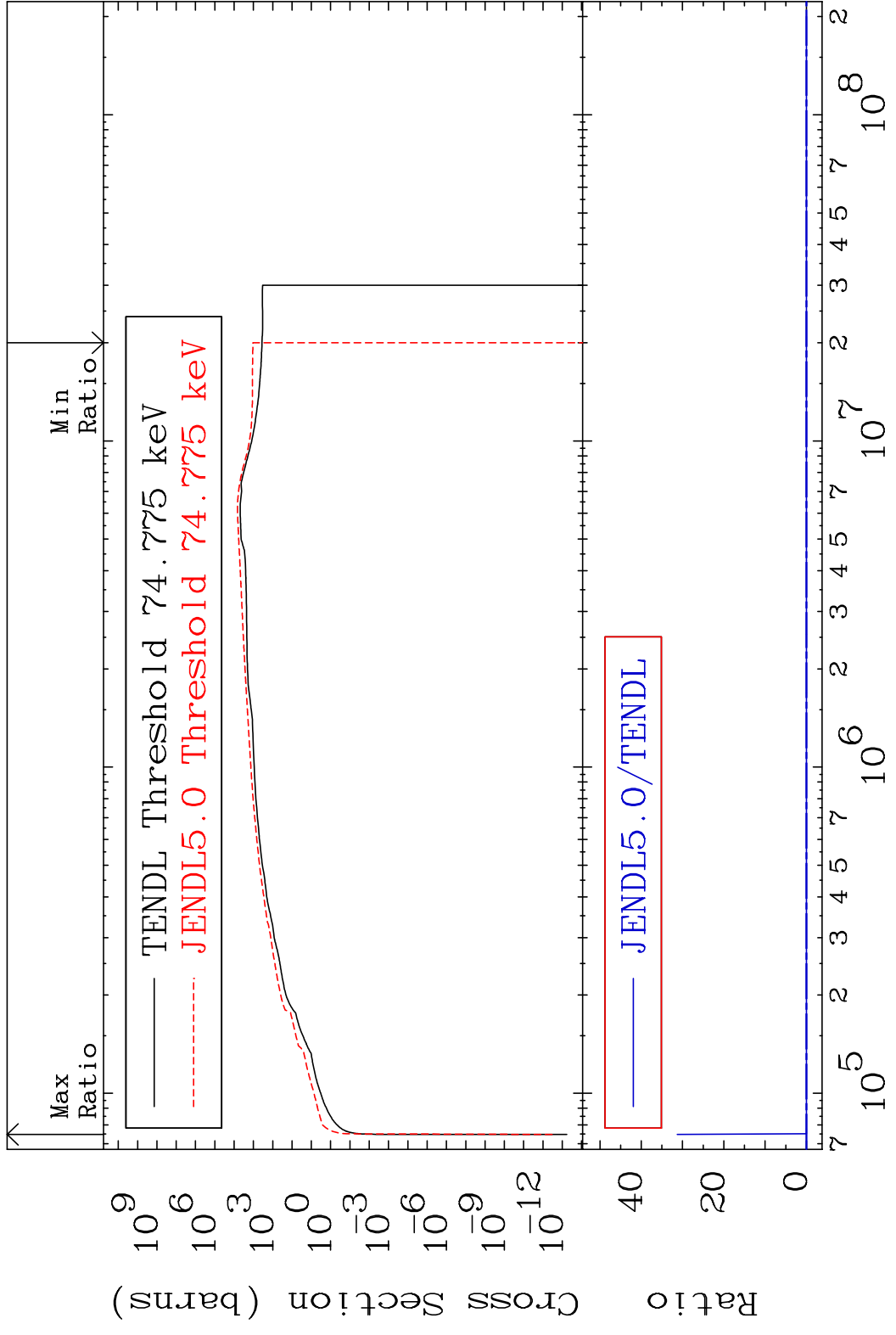


62

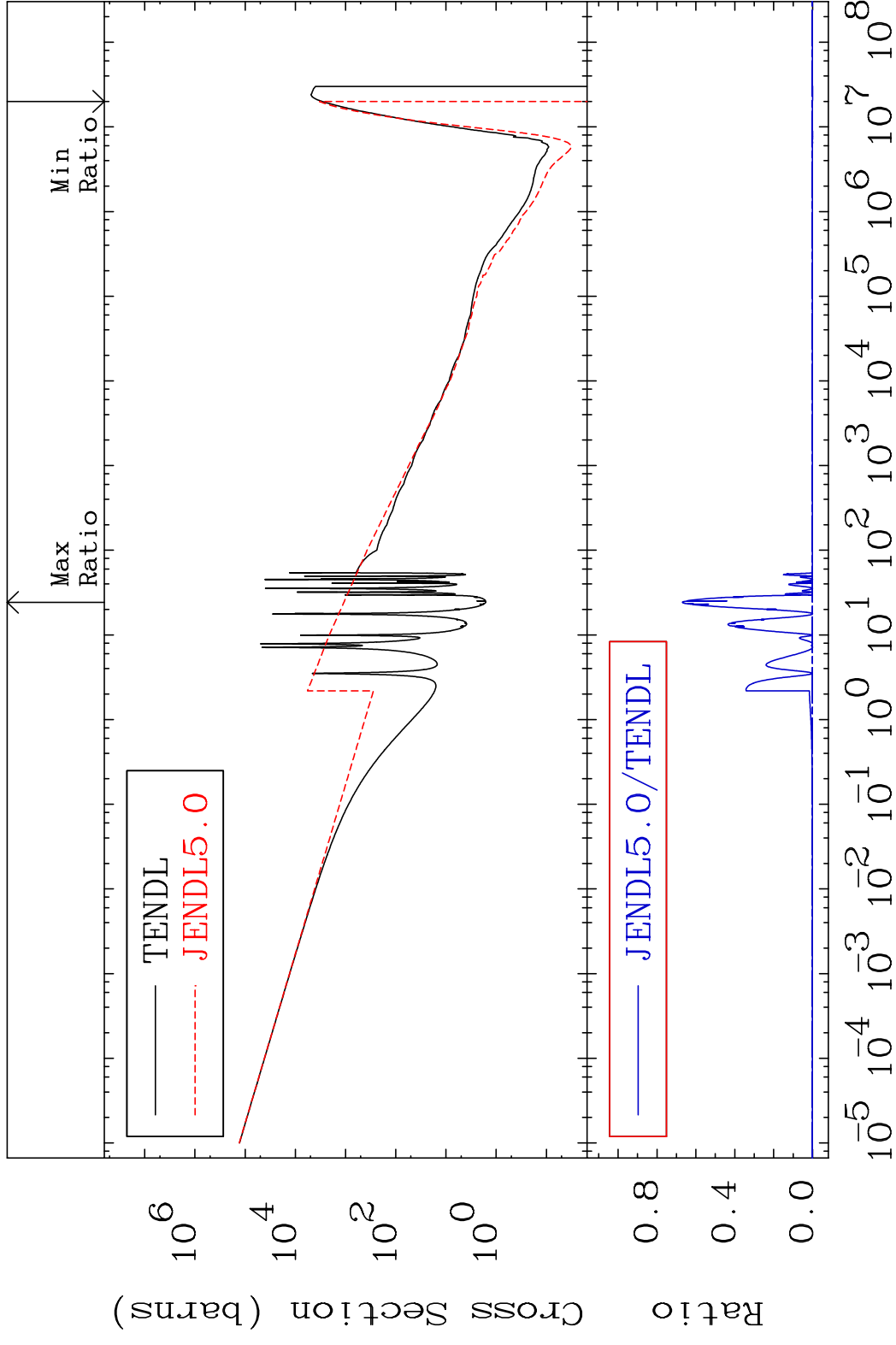
Incident Energy (eV)

76-Os-191

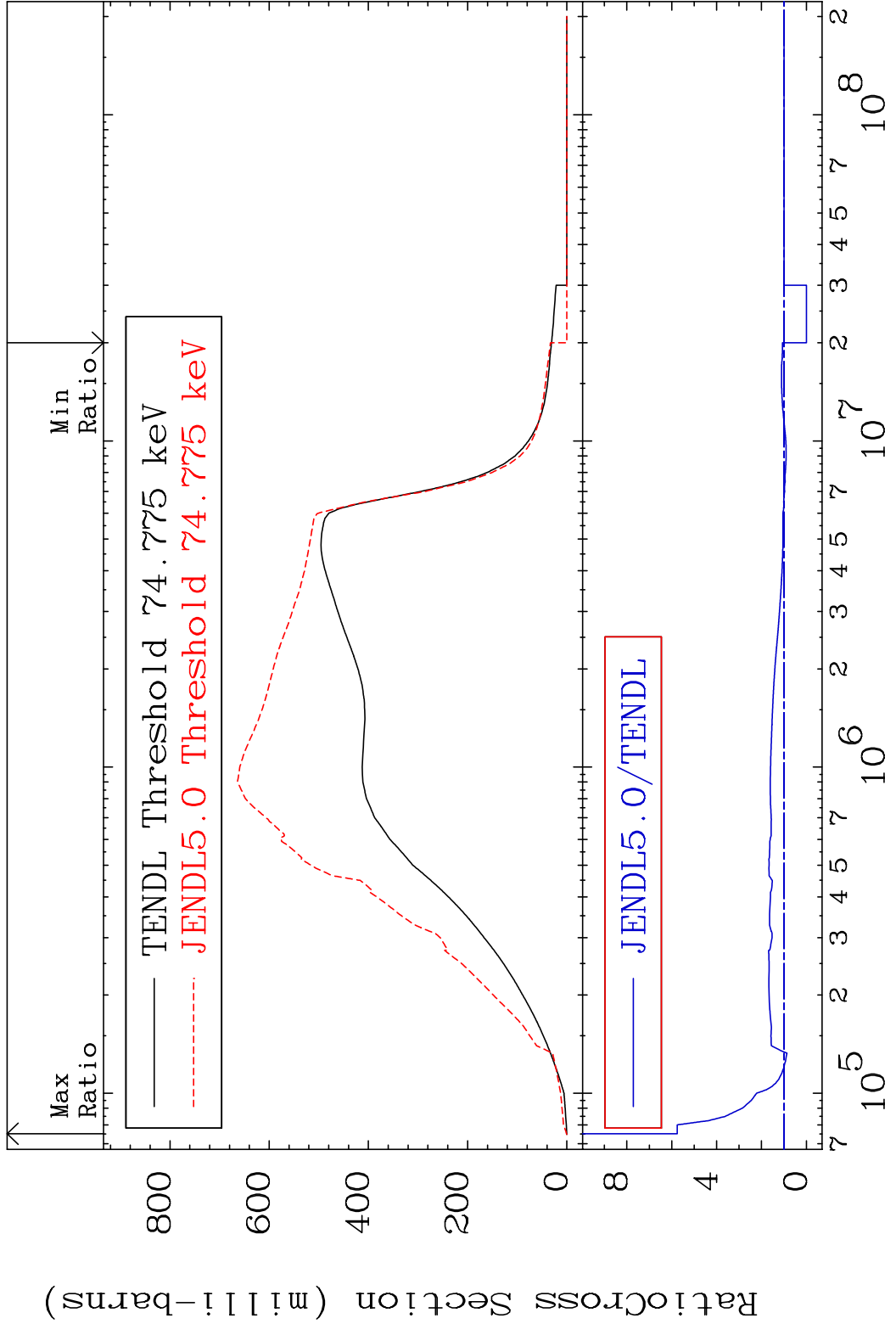
MAT 7646 Dpa inelastic (mt51-91) 76-Os-191
 Cross Section -100.0 To 9999. %



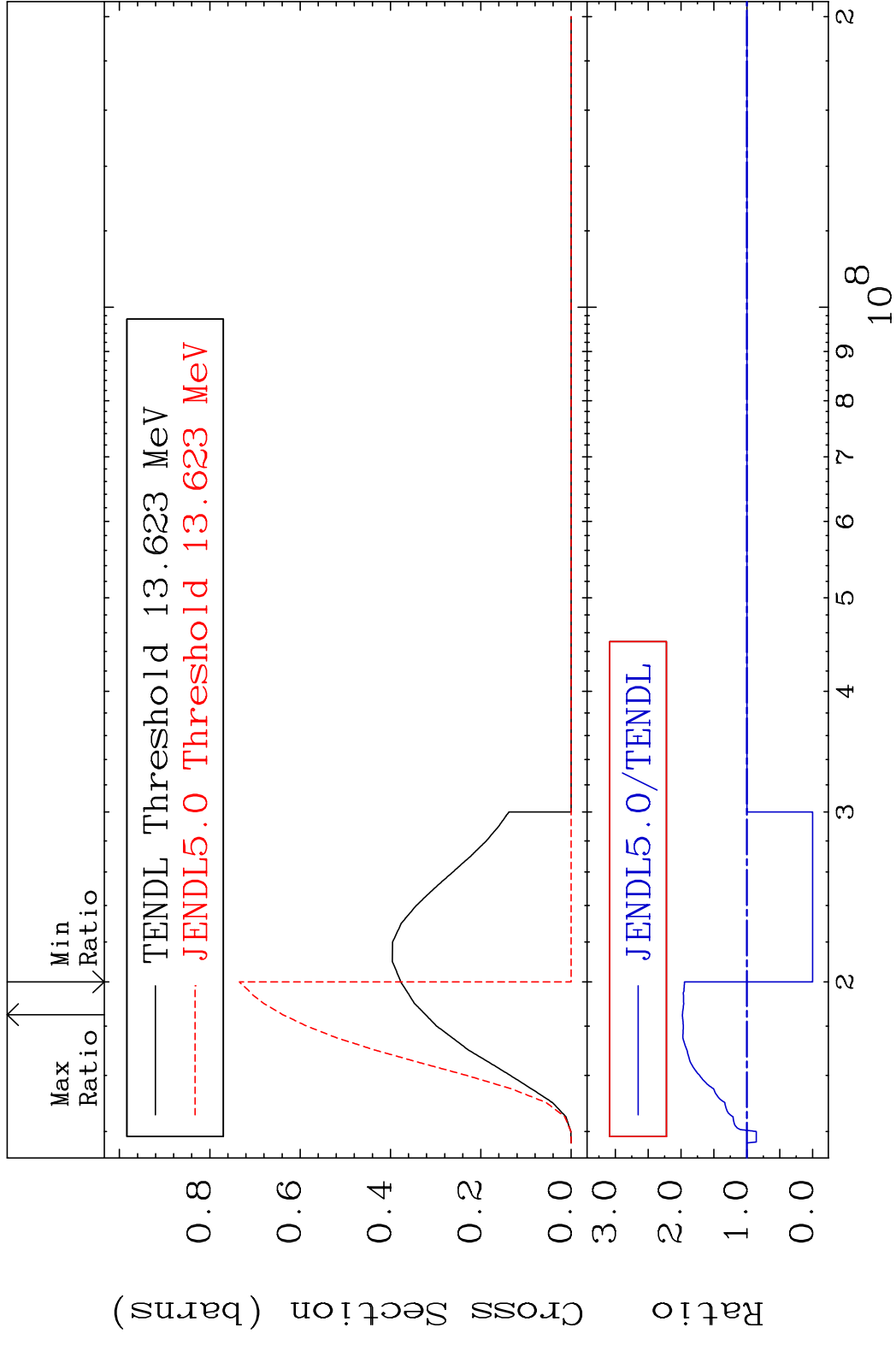
MAT 7646 Dpa disappearance (mt102 -120) 76-0s-191
 Cross Section -100.0 To 9999. %



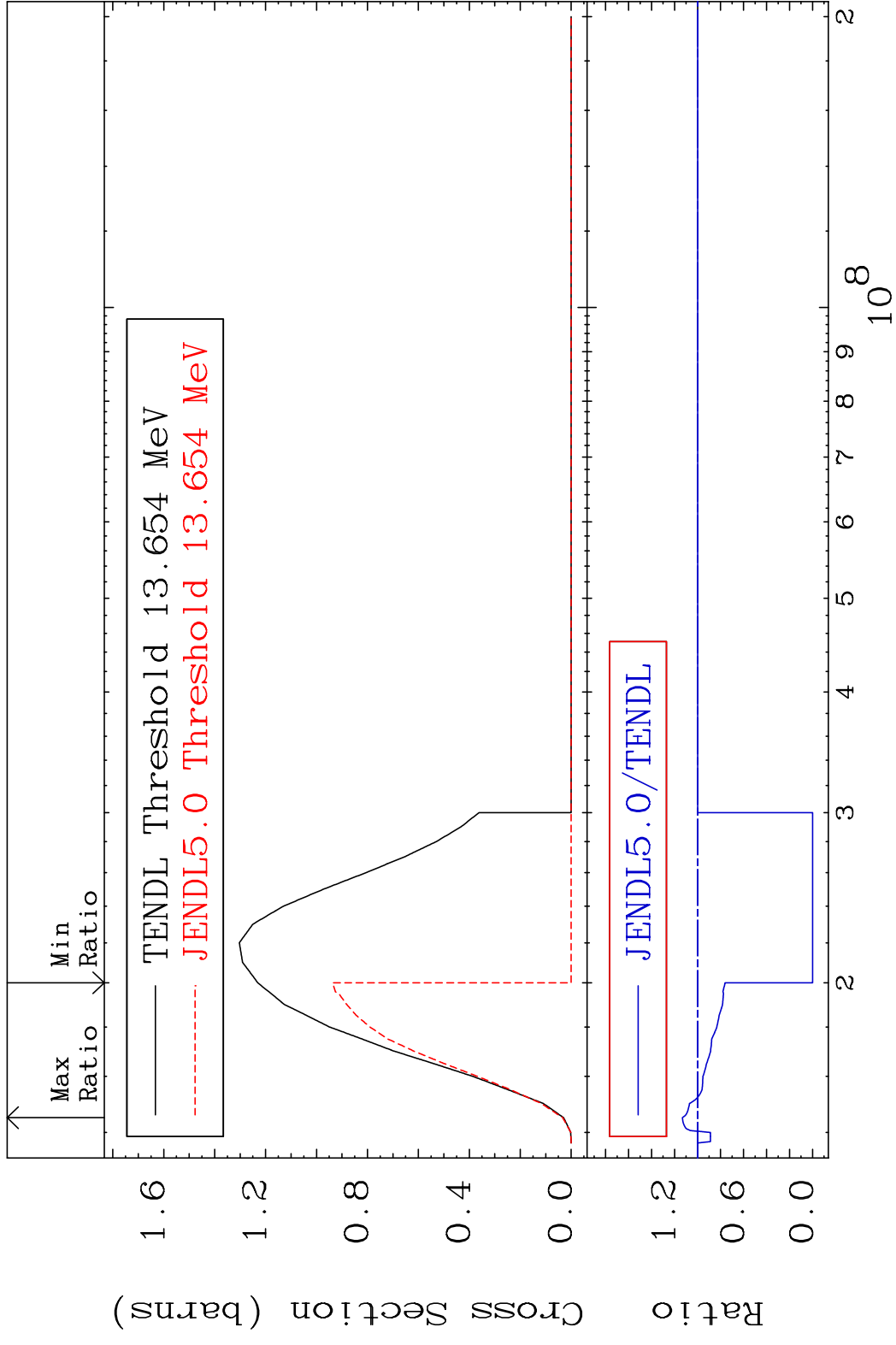
MAT 7646 Inelastic: 76-Os-191m1 76-Os-191
 Radionuclide Production Cross Section 180.0 dth 475.7 %



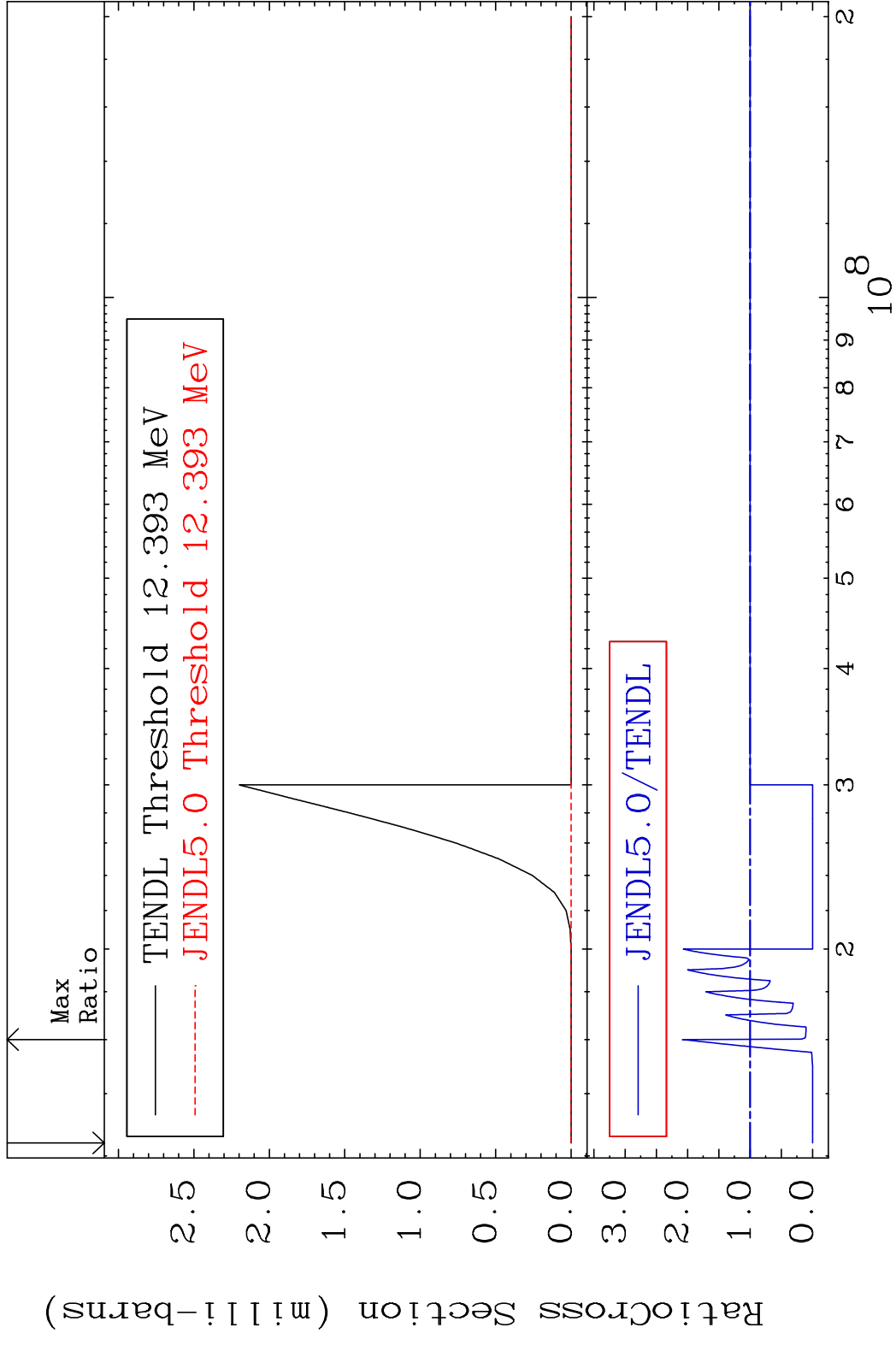
65 76-Os-191



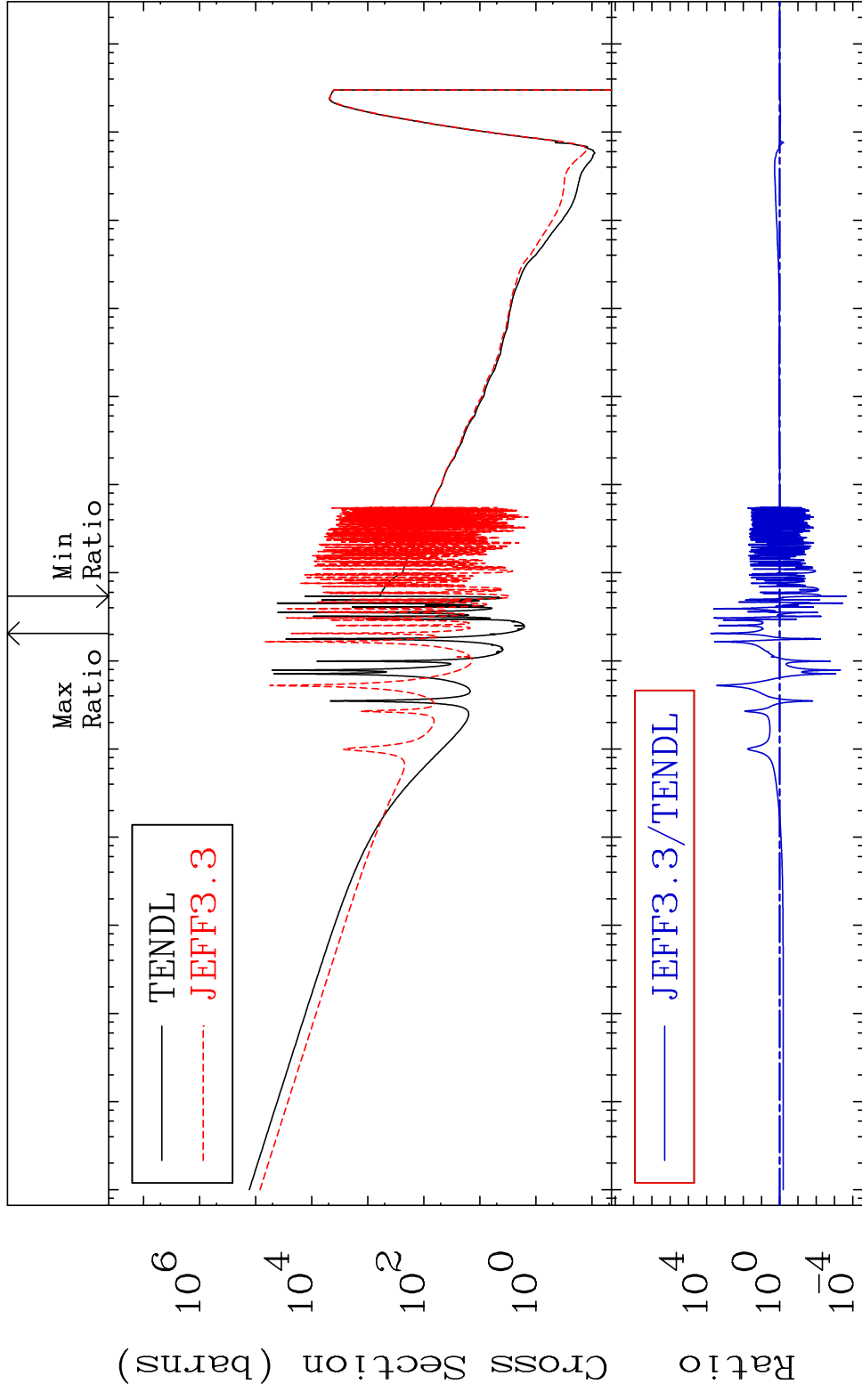
MAT 7646 (n, 3n): 76-0s-189m1 76-0s-191
 Radionuclide Production Cross Section Ratio 13.25 %



MAT 7646 (n, n') t:75-Re-188g 76-0s-191
 Radionuclide Production Cross Section 100.0 %
 Ratio 108.4 %



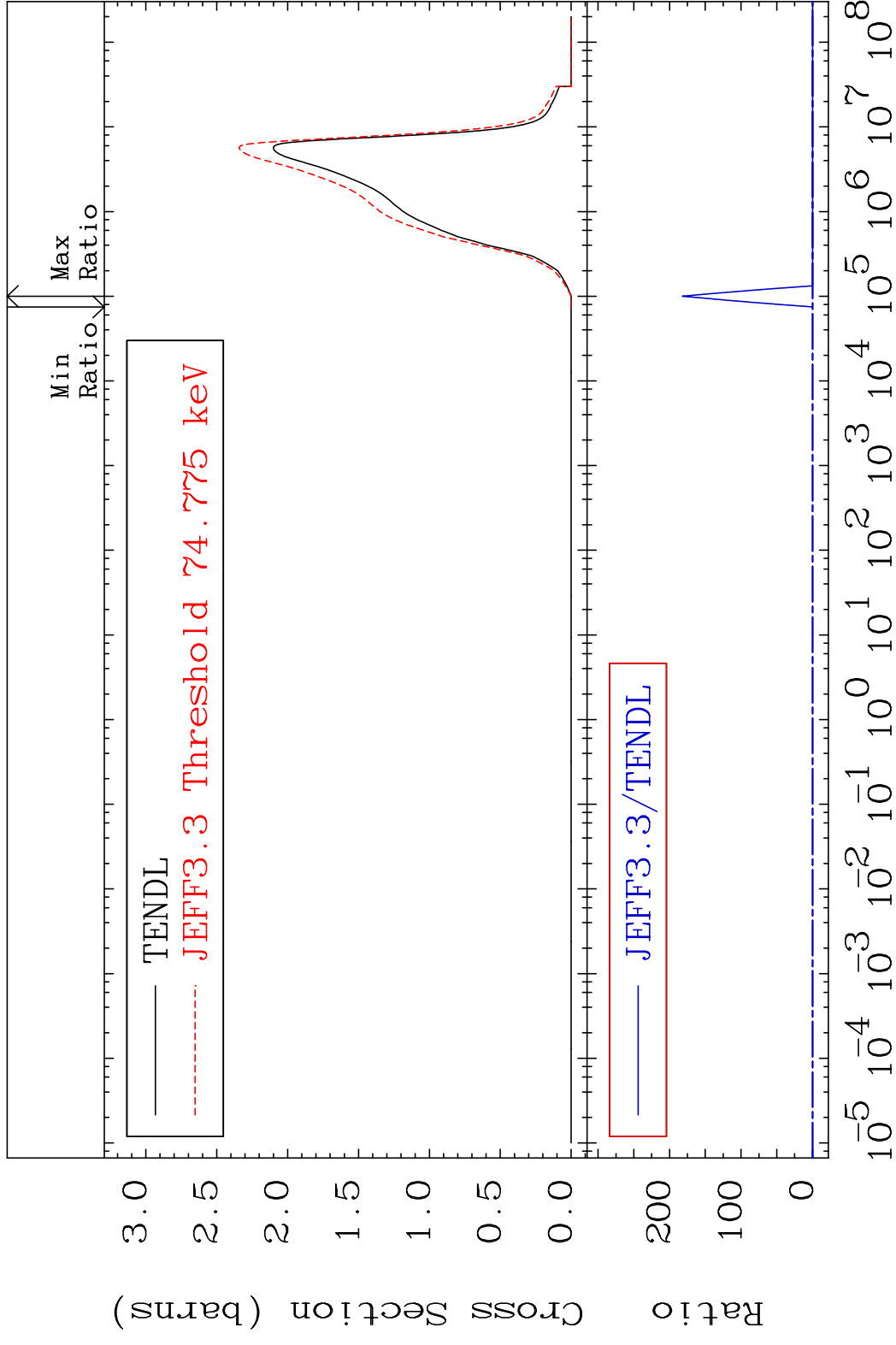
MAT 7646 Dpa disappearance (mt102 -120) 76-0s-191
 Cross Section -99.98 To 9999. %

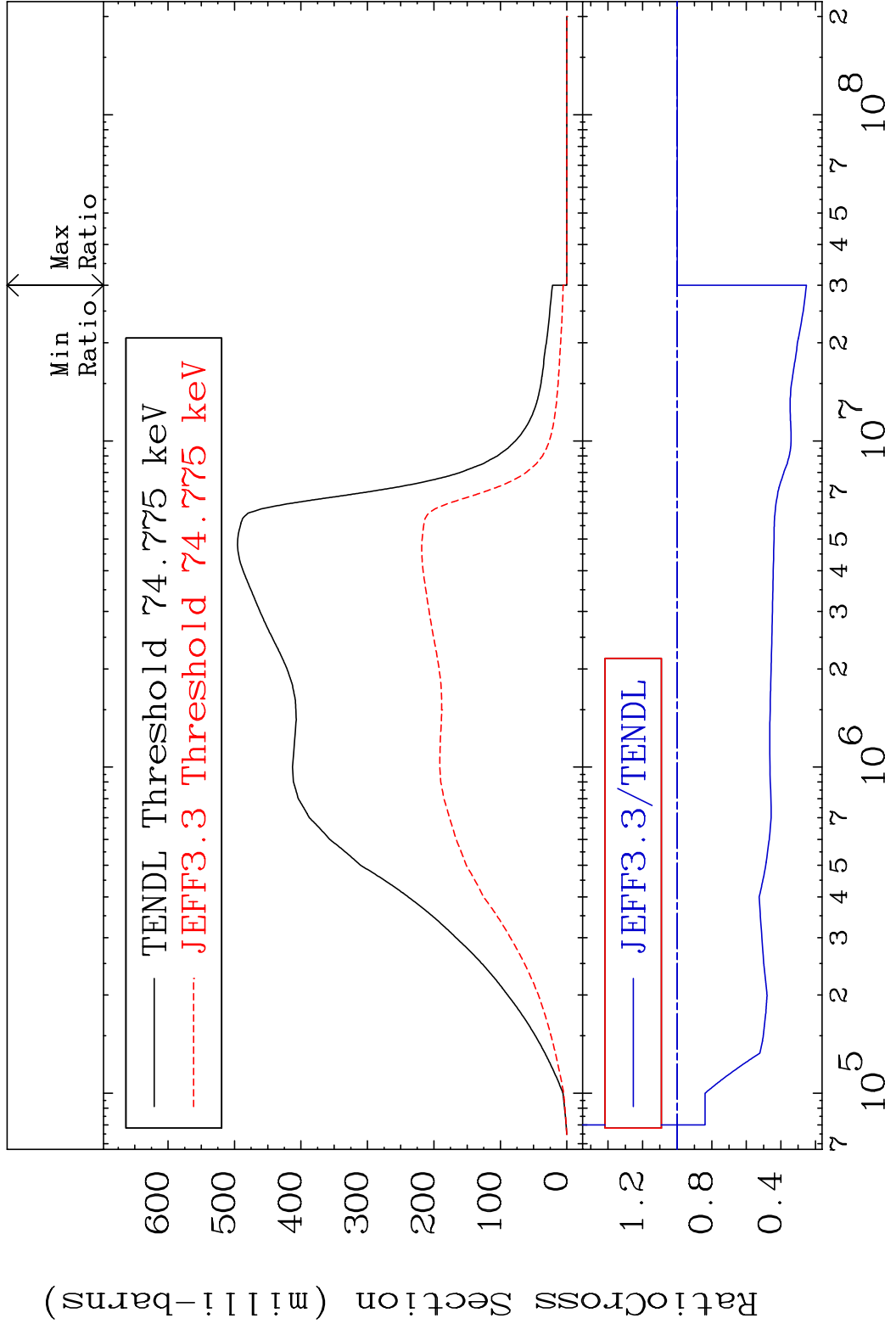


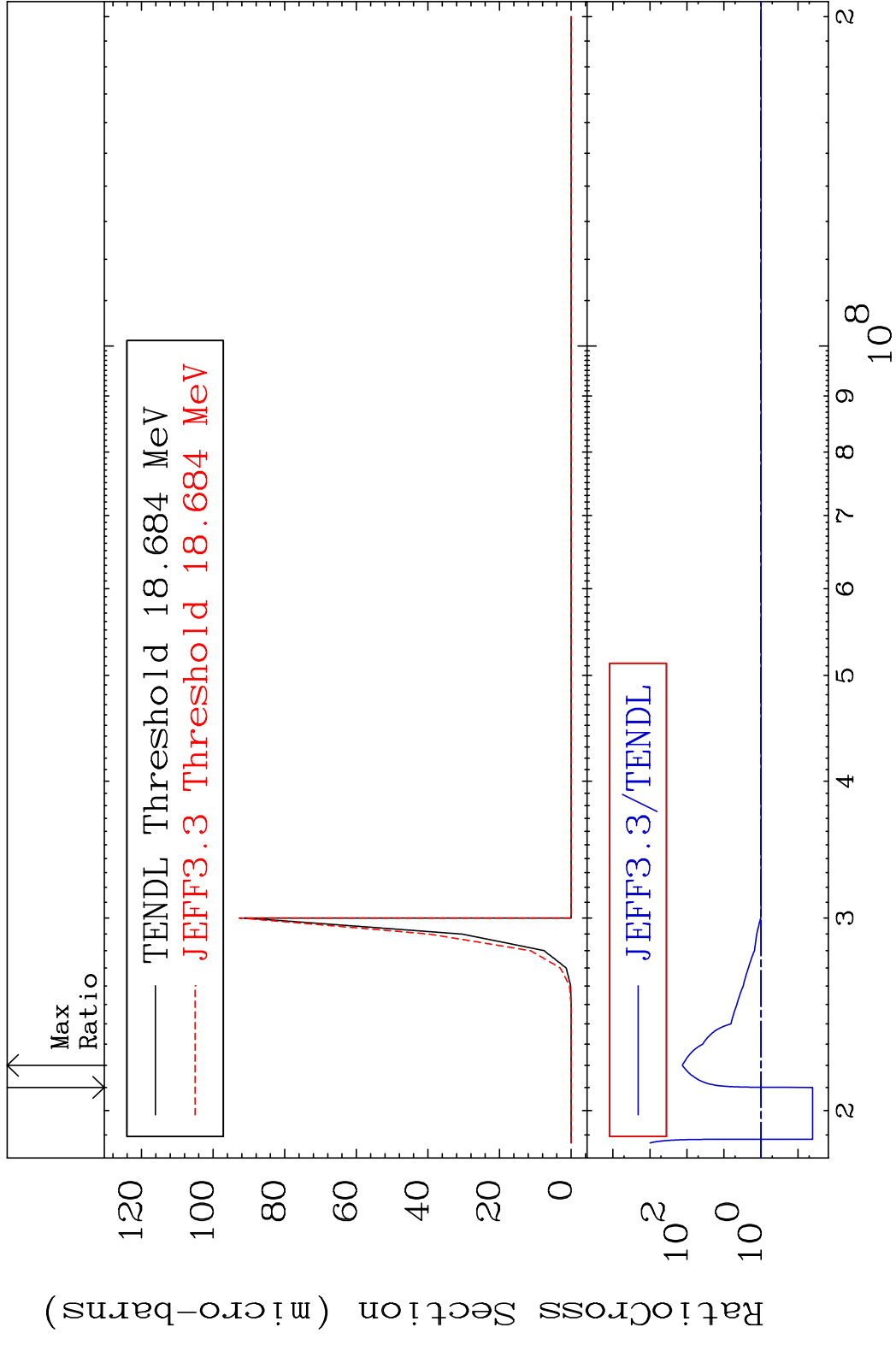
10⁶
10⁴
10²
10⁰
Cross Section (barns)

10⁴
10⁰
10⁻⁴
Ratio

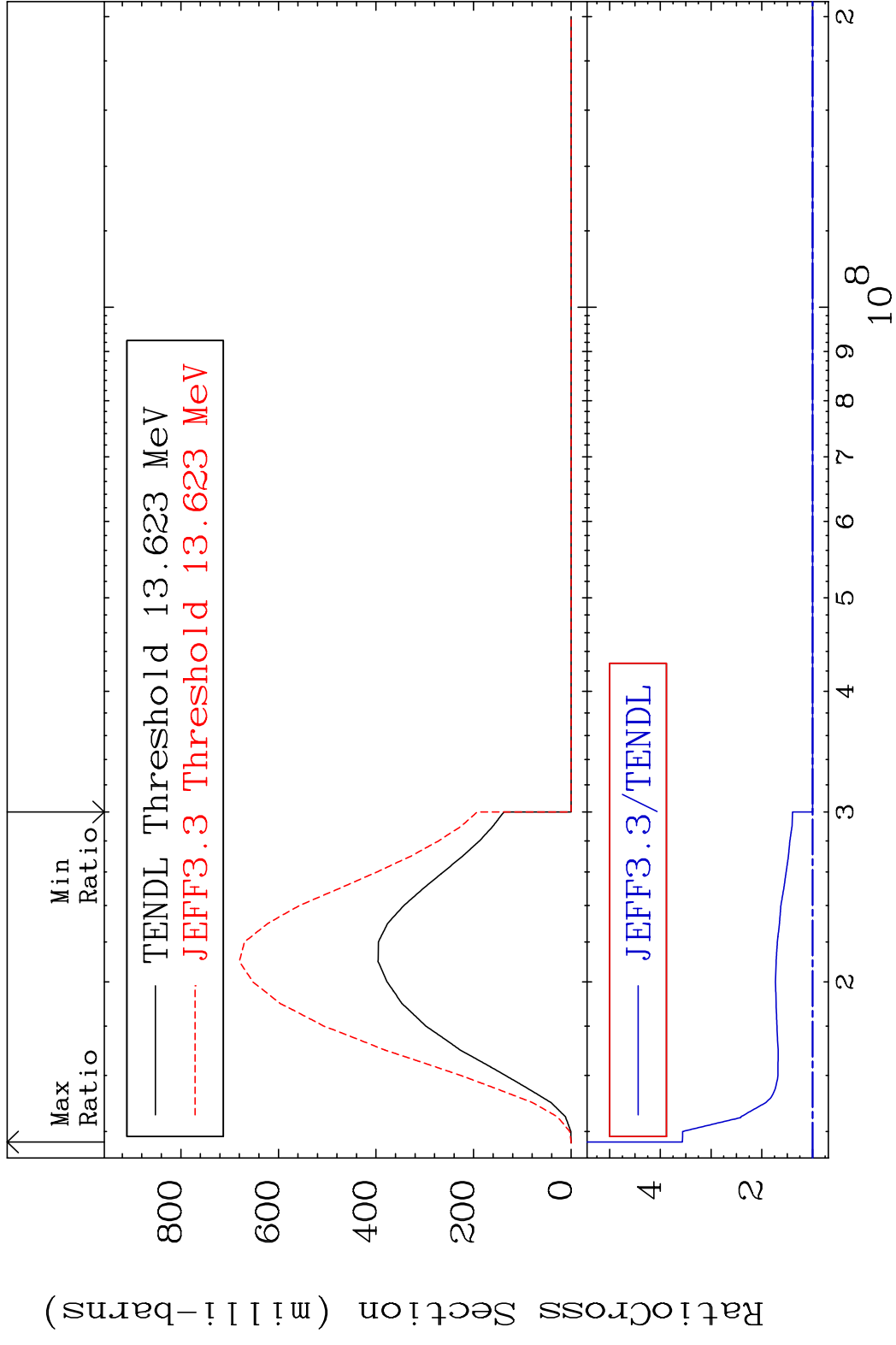
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
 Incident Energy (eV)







MAT 7646 (n,3n):76-0s-189g 76-0s-191
 Radionuclide Production Cross Section 256.6 %



73 Incident Energy (eV) 76-0s-191

MAT 7646 (n, 3n): 76-0s-189m1 76-0s-191
 Radionuclide Production Cross Section Ratio 251.8 %

