

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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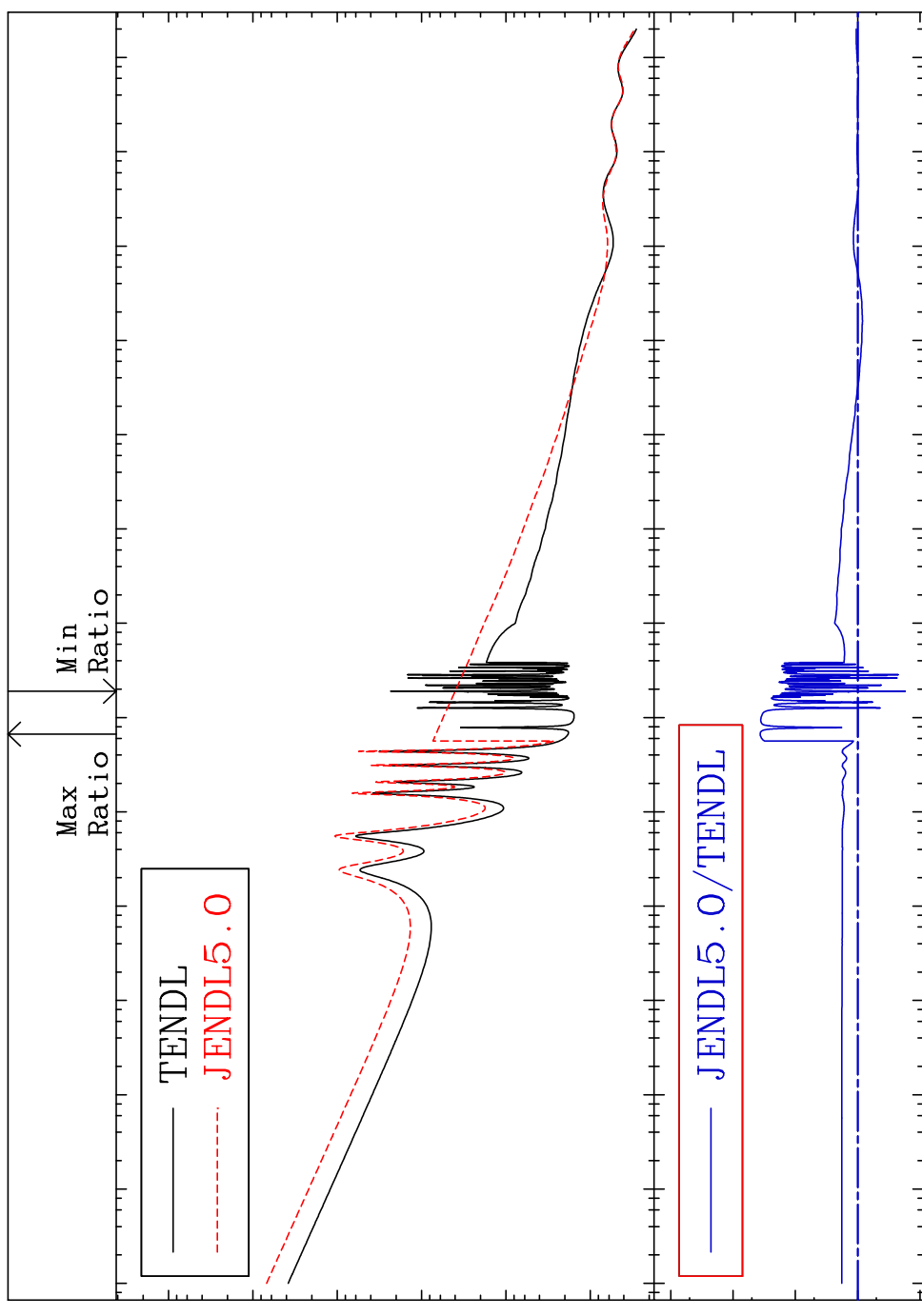
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7728

Total
Cross Section -82.79 To 3579. %

77-Ir-192



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

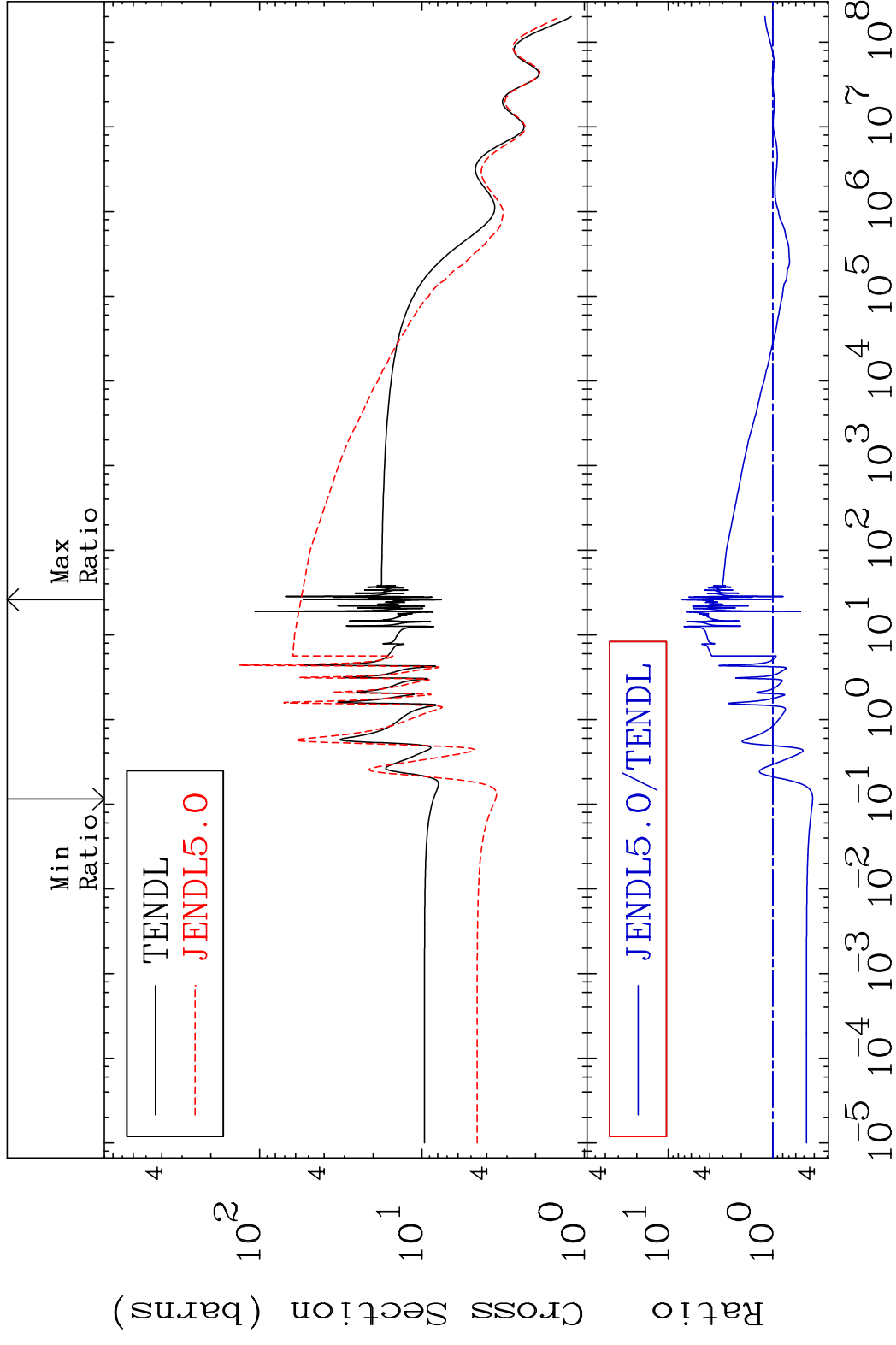
1
Incident Energy (eV) 77-Ir-192

MAT 7728

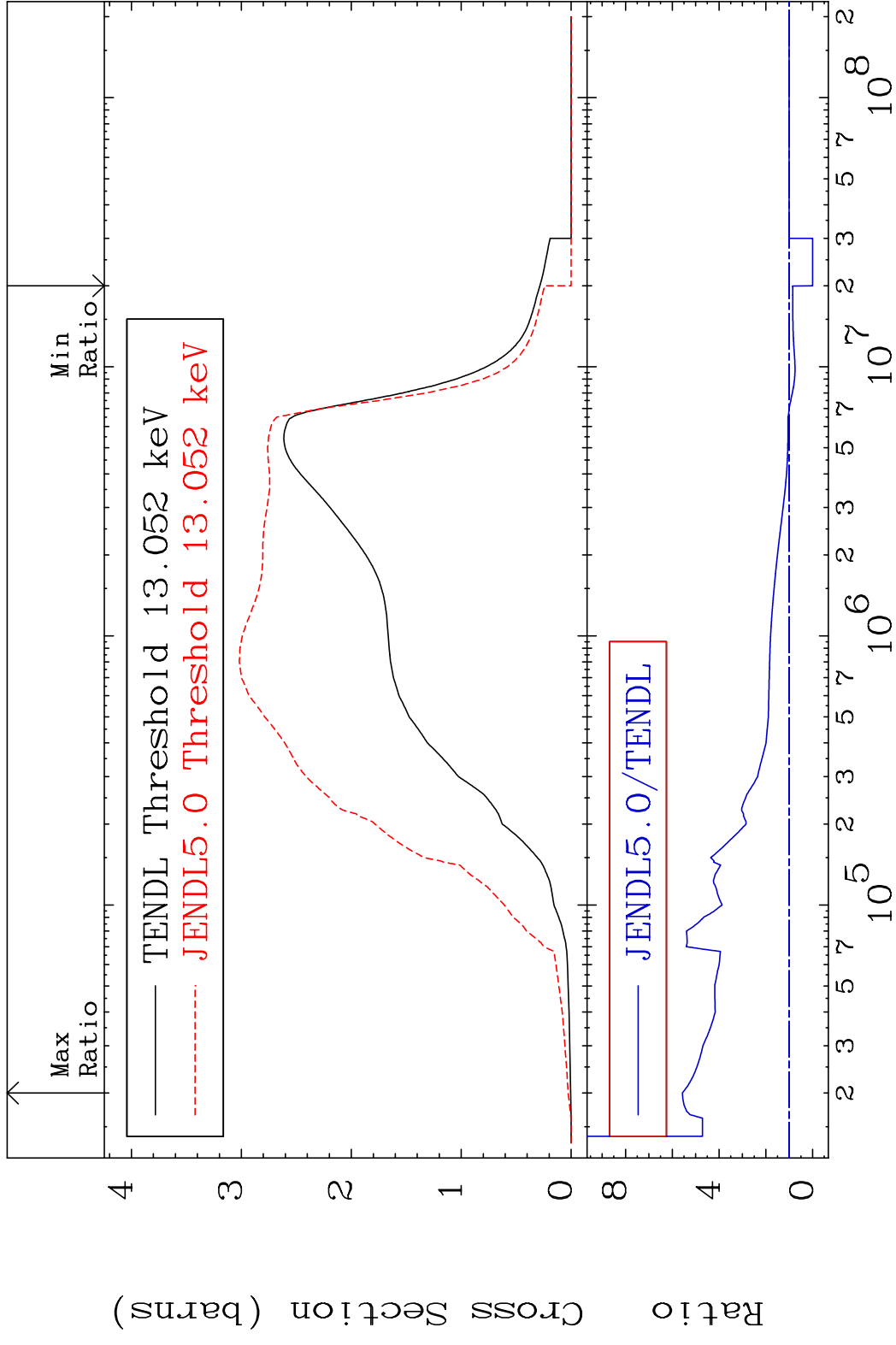
Elastic

77-Ir-192

Cross Section -58.55 To 631.6 %



MAT 7728 Inelastic 77-Ir-192
 Cross Section -100.0 To 457.0 %

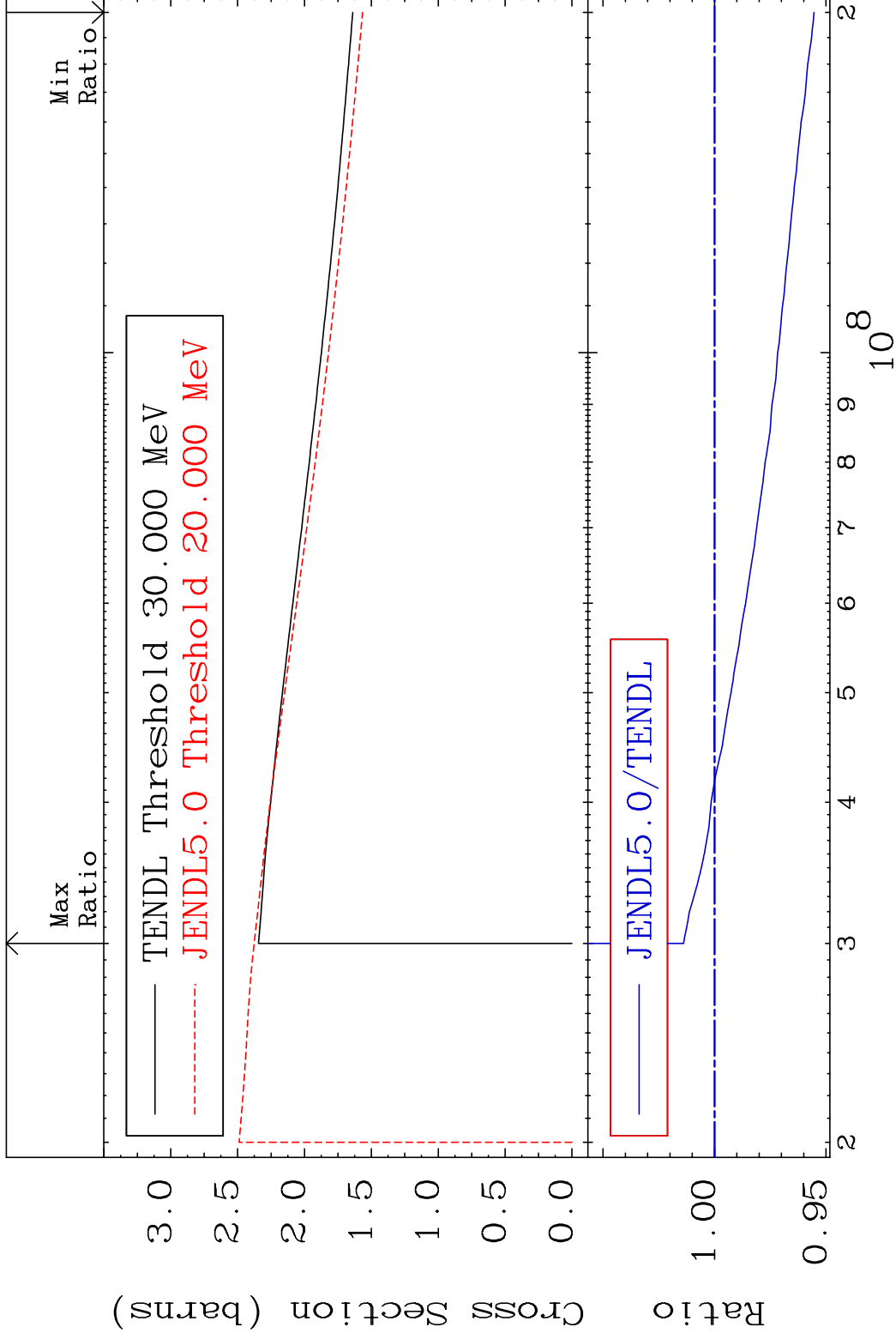


MAT 7728

(n, remainder)

77-Ir-192

Cross Section -4.462 To 1.395 %



4

Incident Energy (eV)

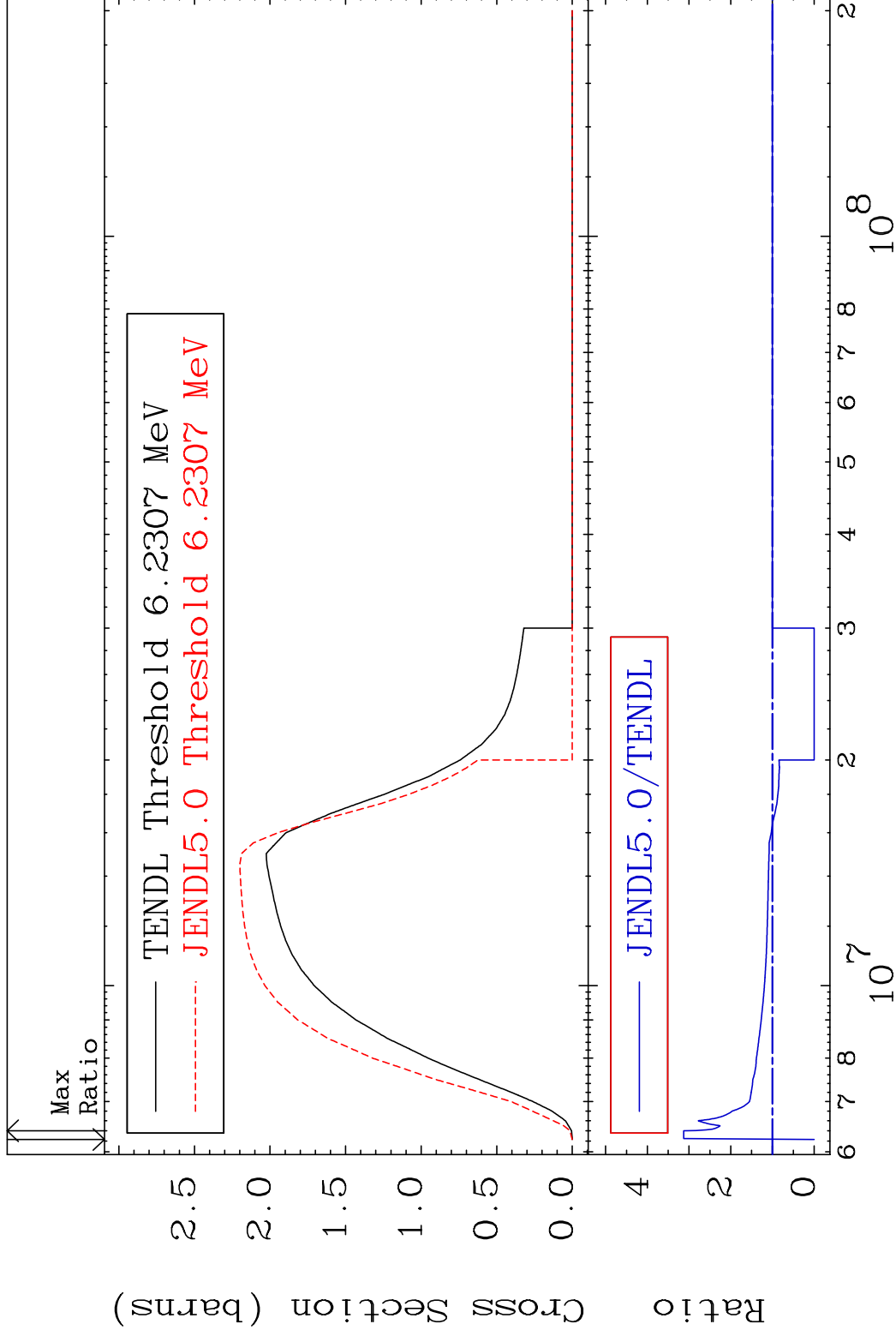
77-Ir-192

MAT 7728

(n,2n)

77-Ir-192

Cross Section -100.0 To 212.8 %



5

Incident Energy (eV)

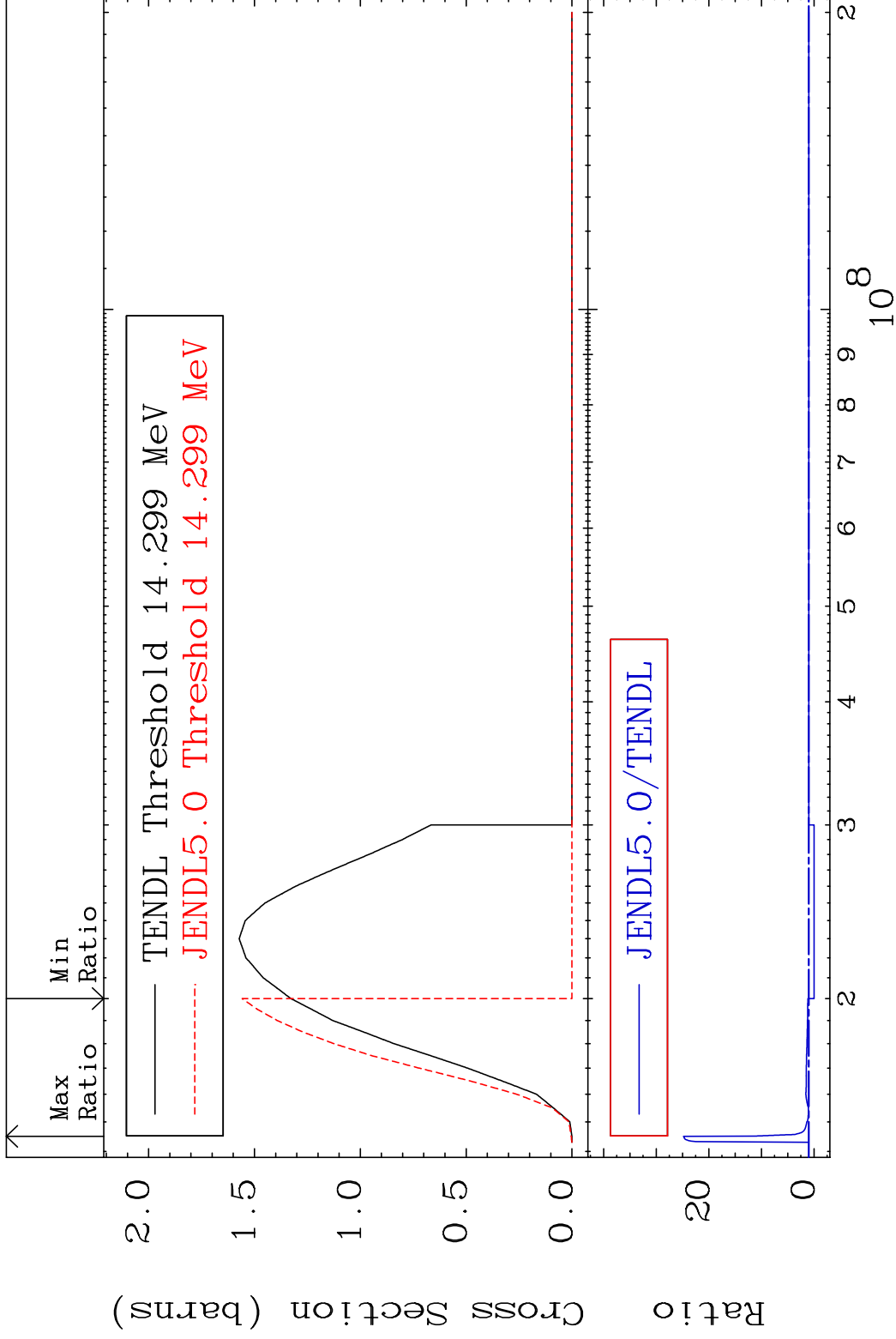
77-Ir-192

MAT 7728

(n,3n)

77-Ir-192

Cross Section -100.0 To 2382. %



6

Incident Energy (eV)

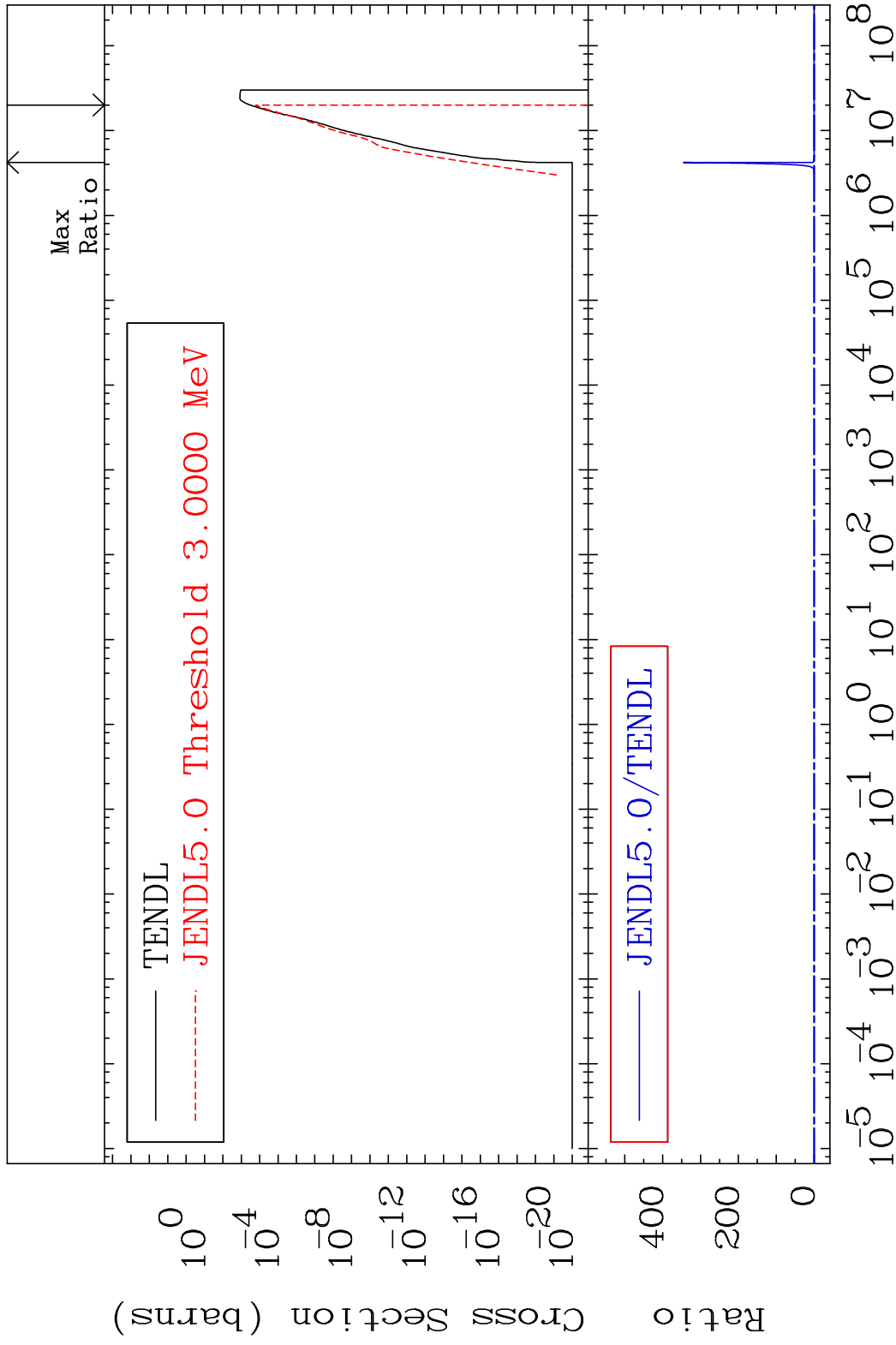
77-Ir-192

MAT 7728

(n, n') α

77-Ir-192

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

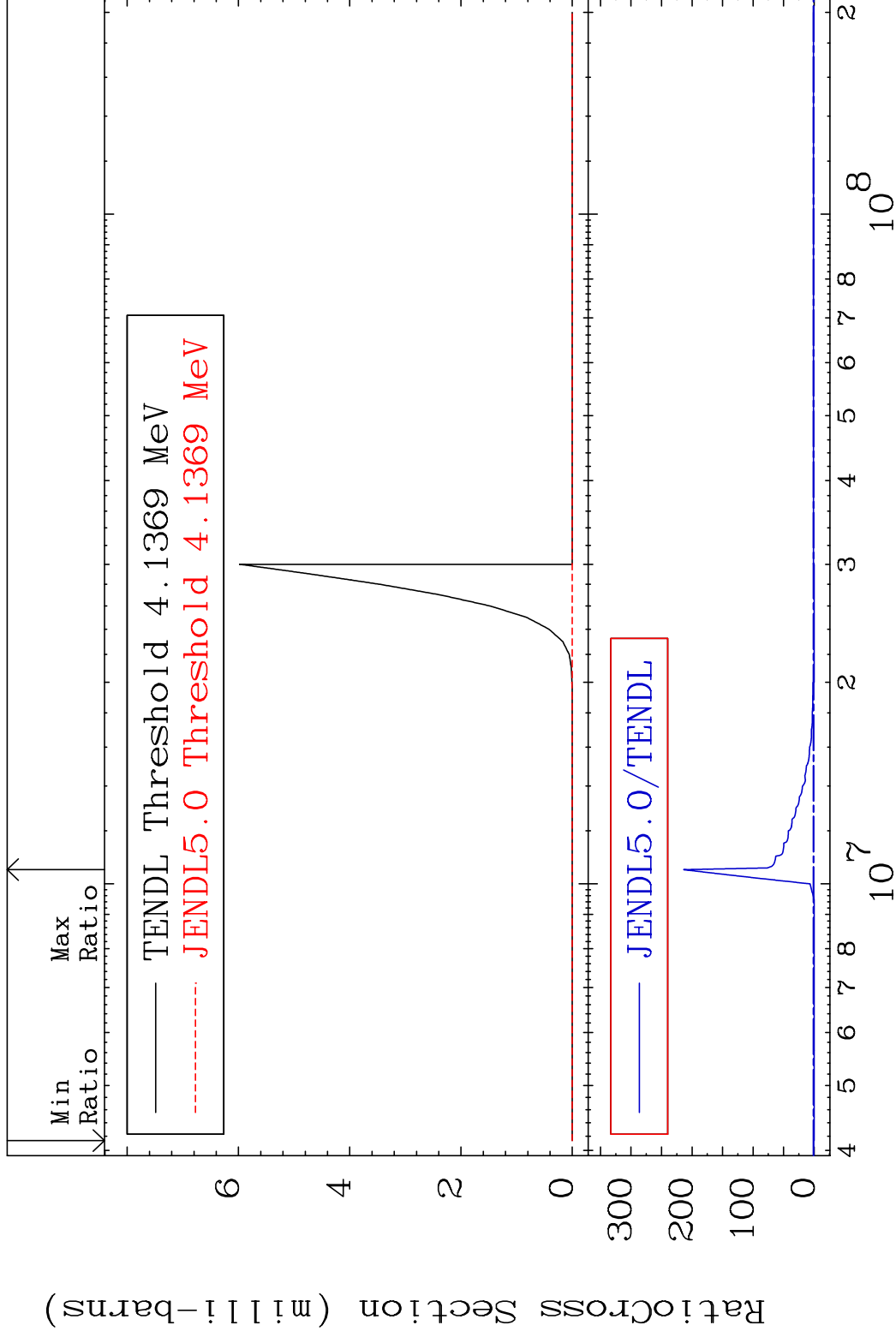
77-Ir-192

MAT 7728

(n,2n) α

77-Ir-192

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

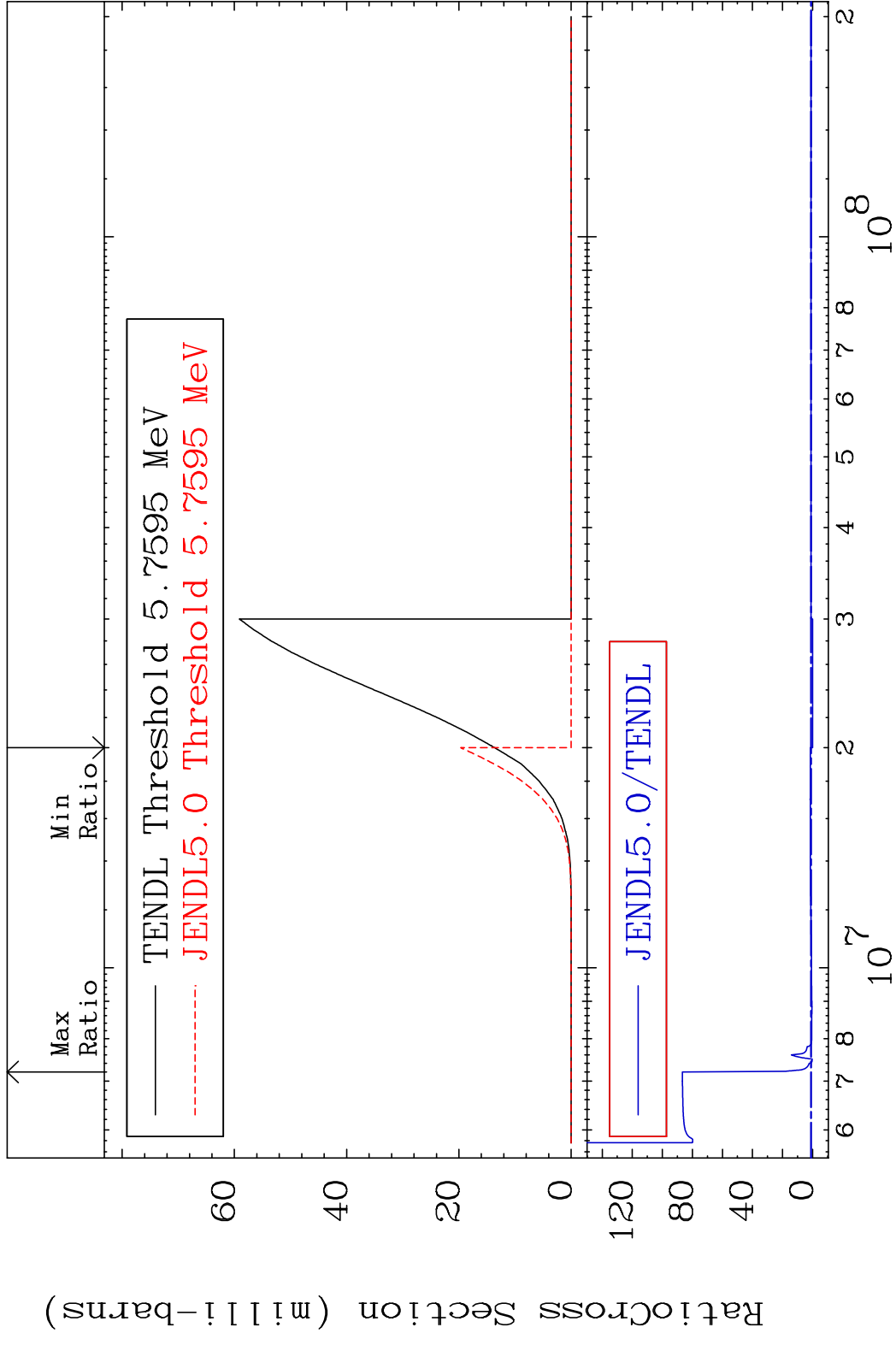
77-Ir-192

MAT 7728

(n, n') p

77-Ir-192

Cross Section -100.0 To 8568. %

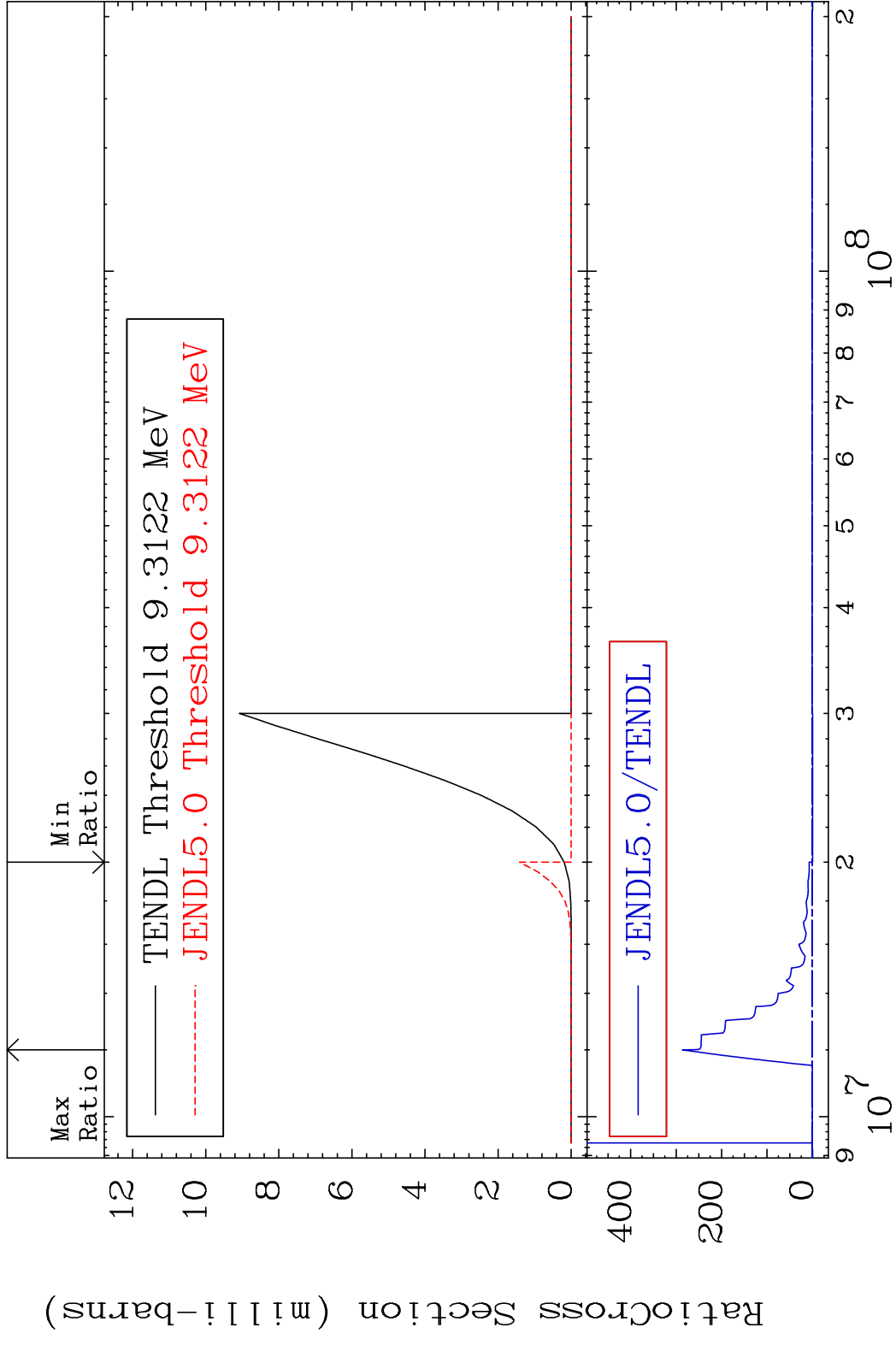


MAT 7728

(n, n') d

77-Ir-192

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

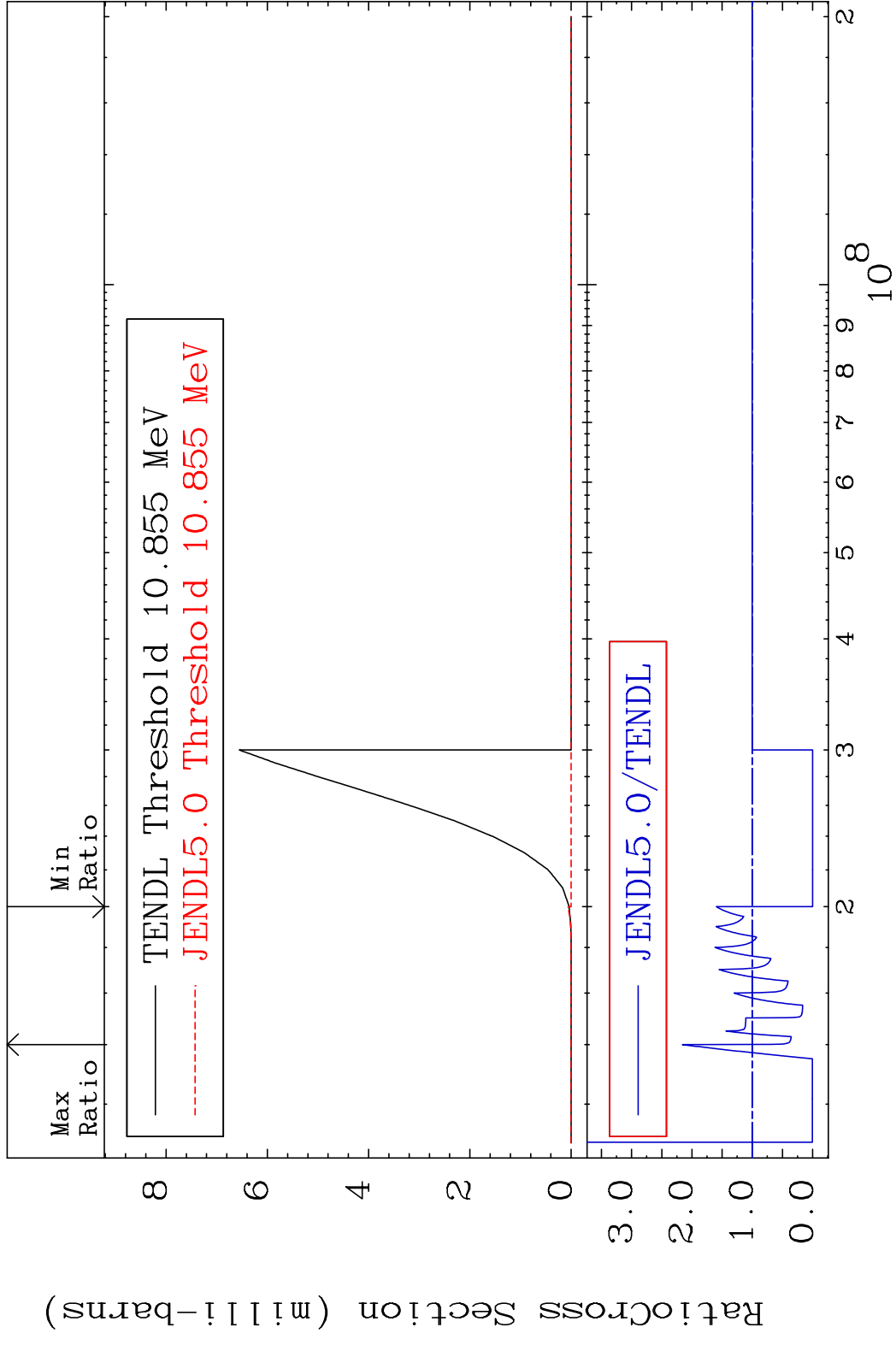
77-Ir-192

MAT 7728

(n, n') t

77-Ir-192

Cross Section -100.0 To 115.9 %

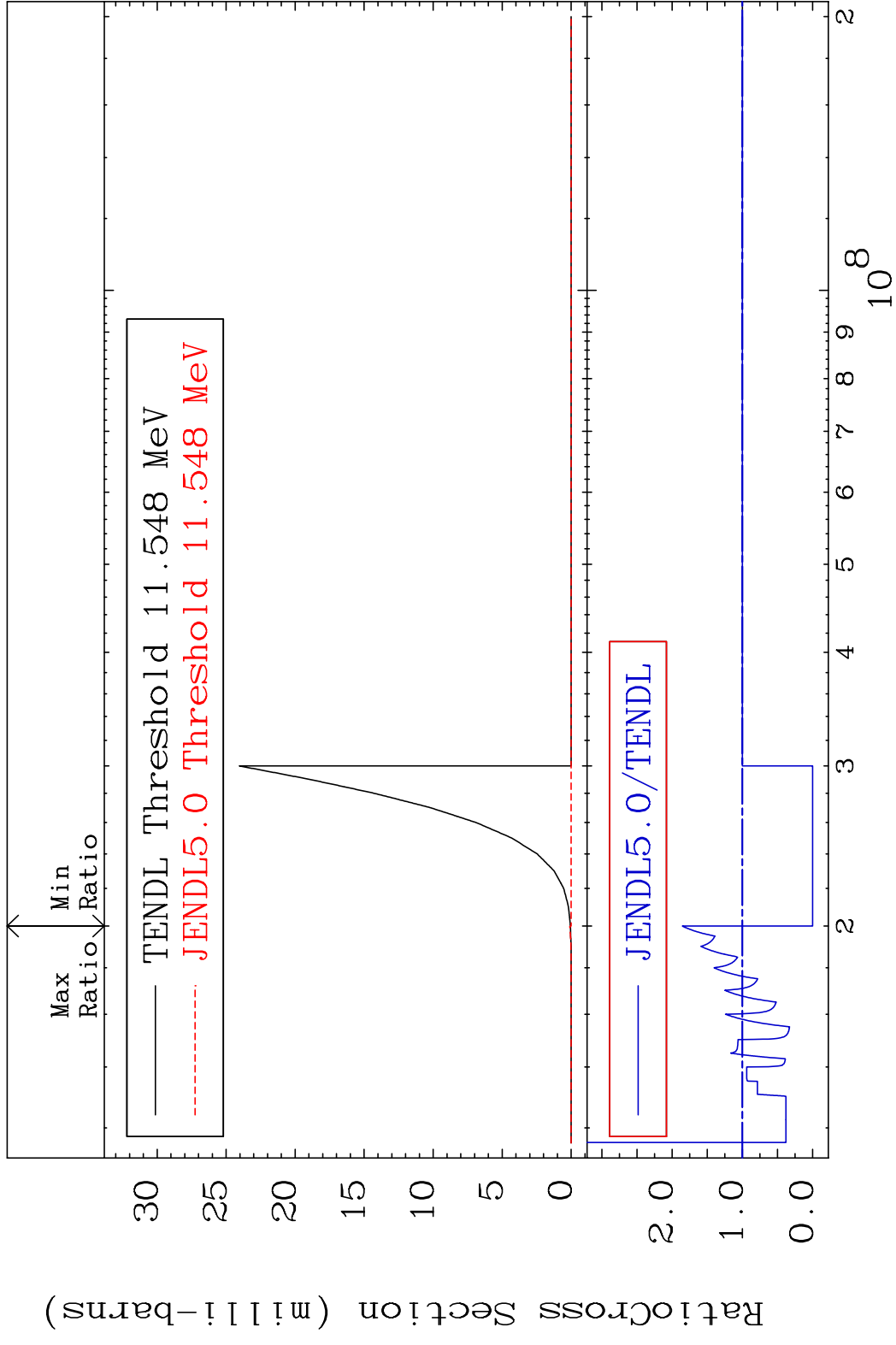


MAT 7728

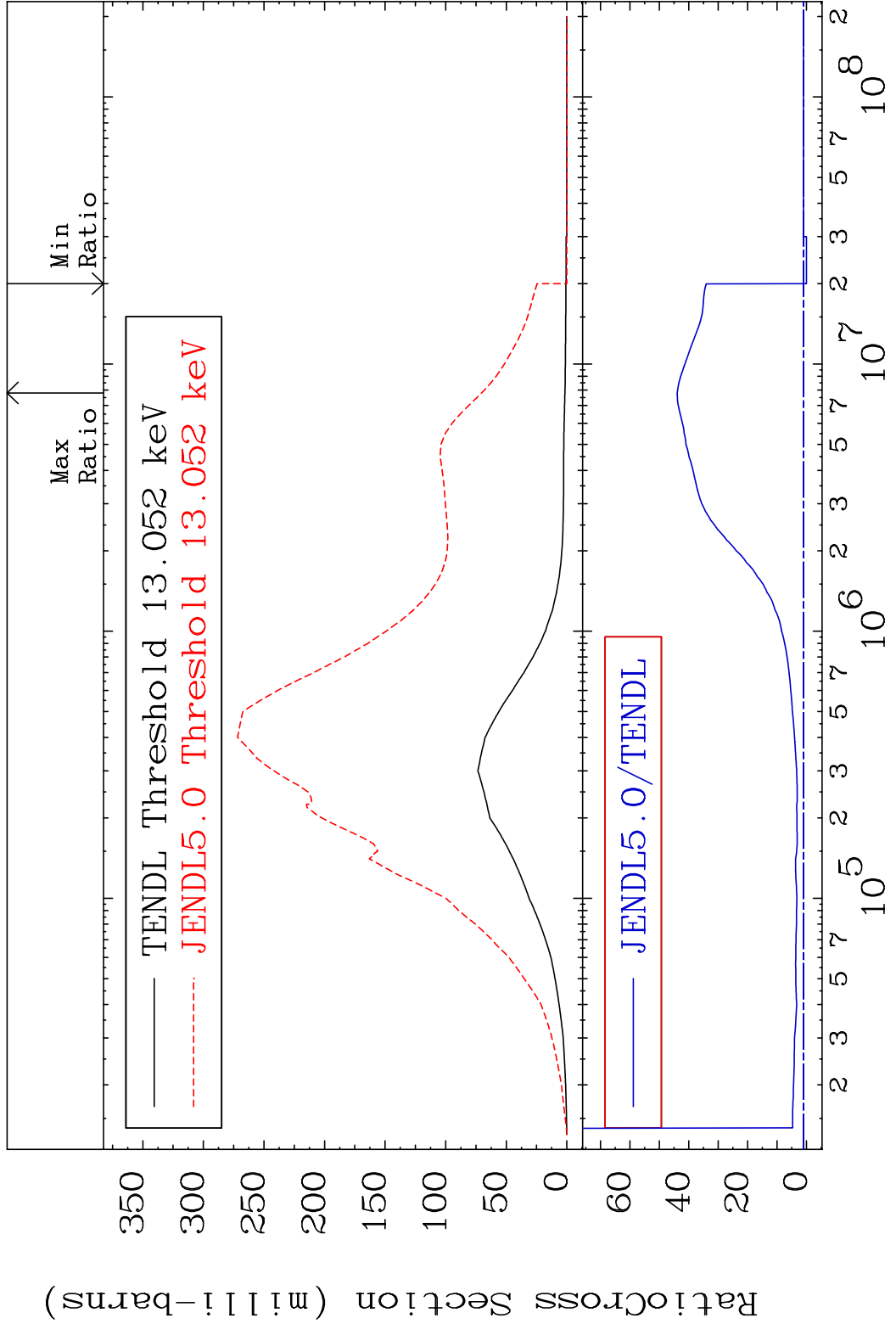
(n,2n) p

77-Ir-192

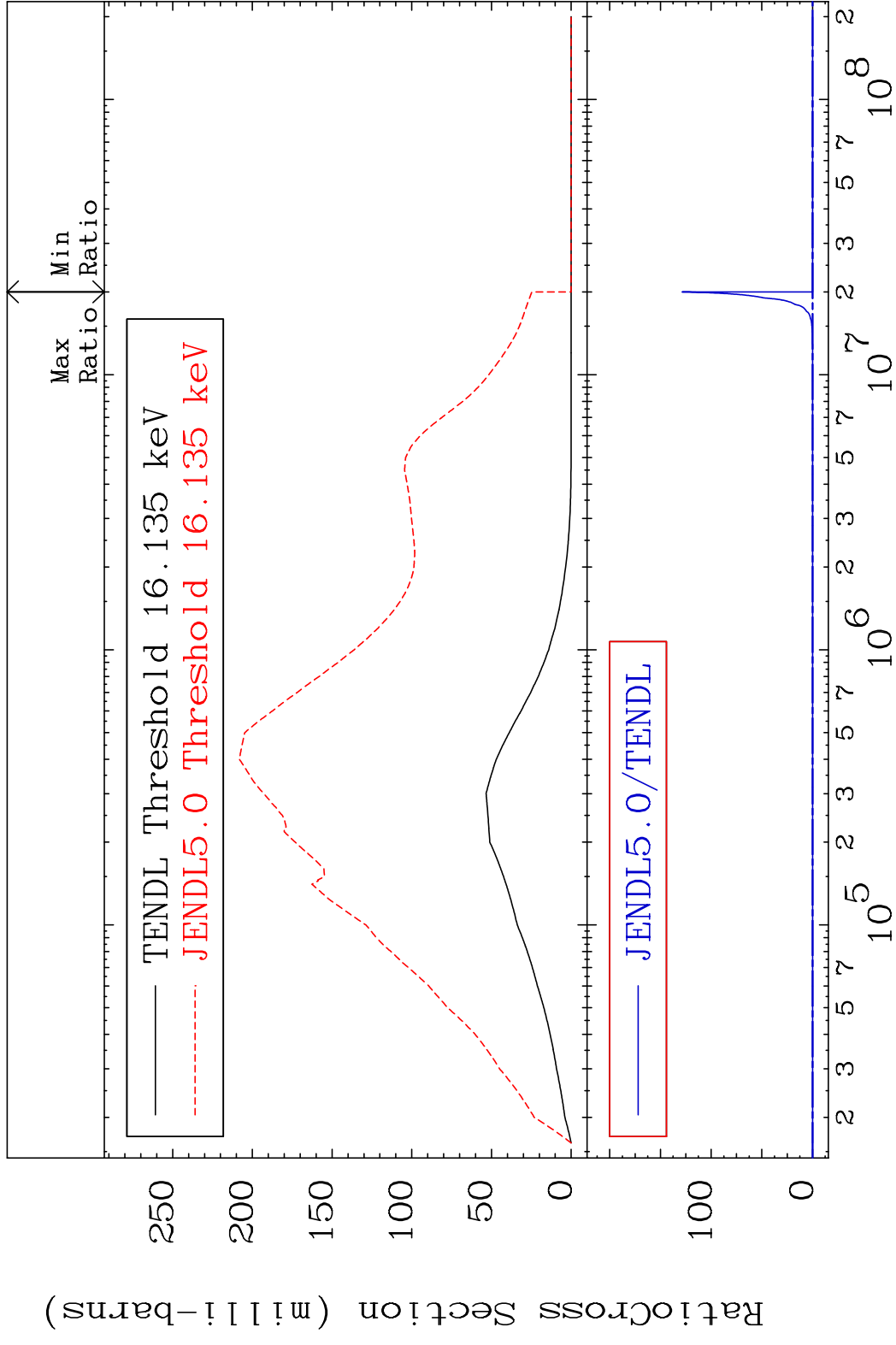
Cross Section -100.0 To 85.33 %



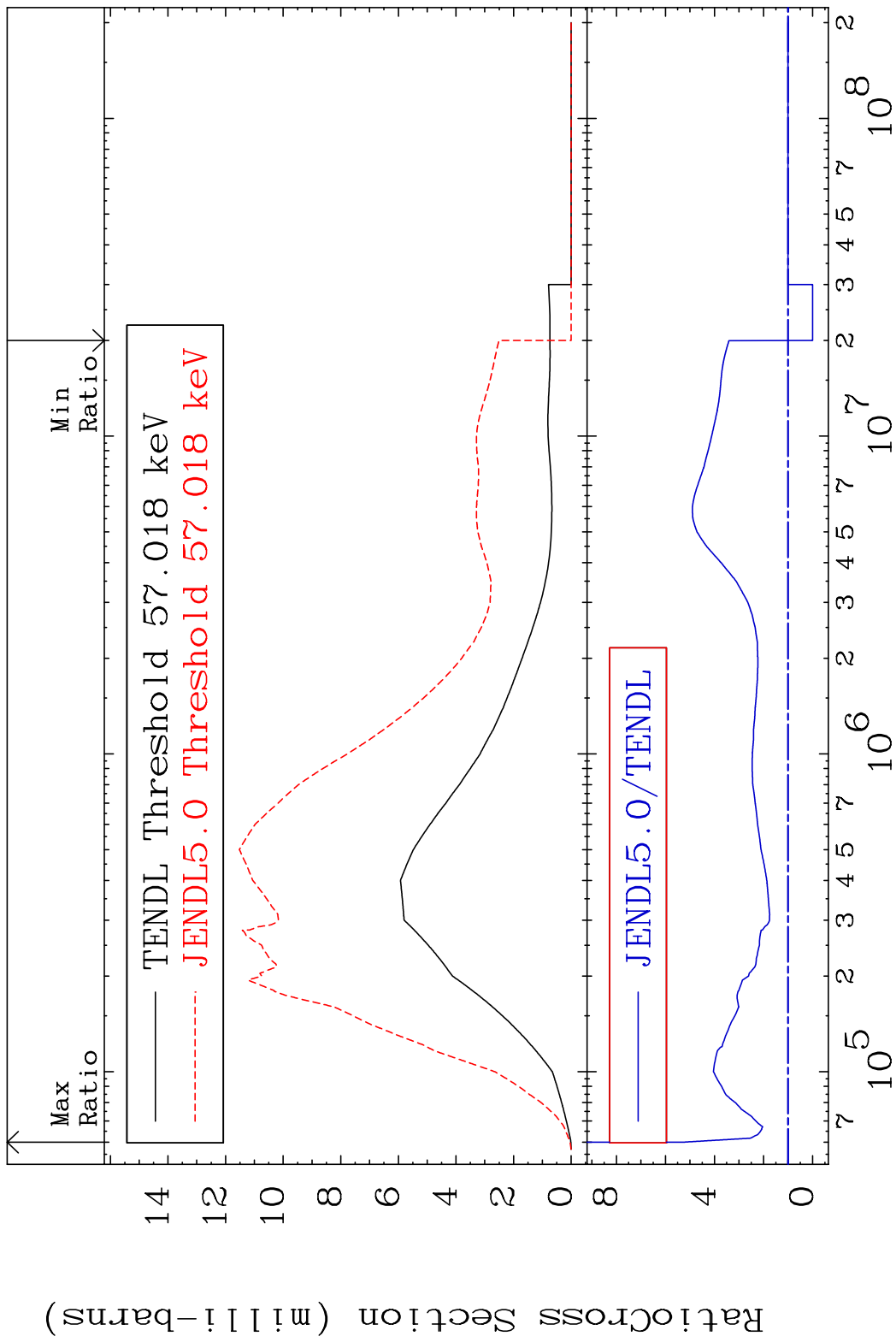
MAT 7728 MT= 51 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 4292. %



MAT 7728 MT= 52 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 9999. %

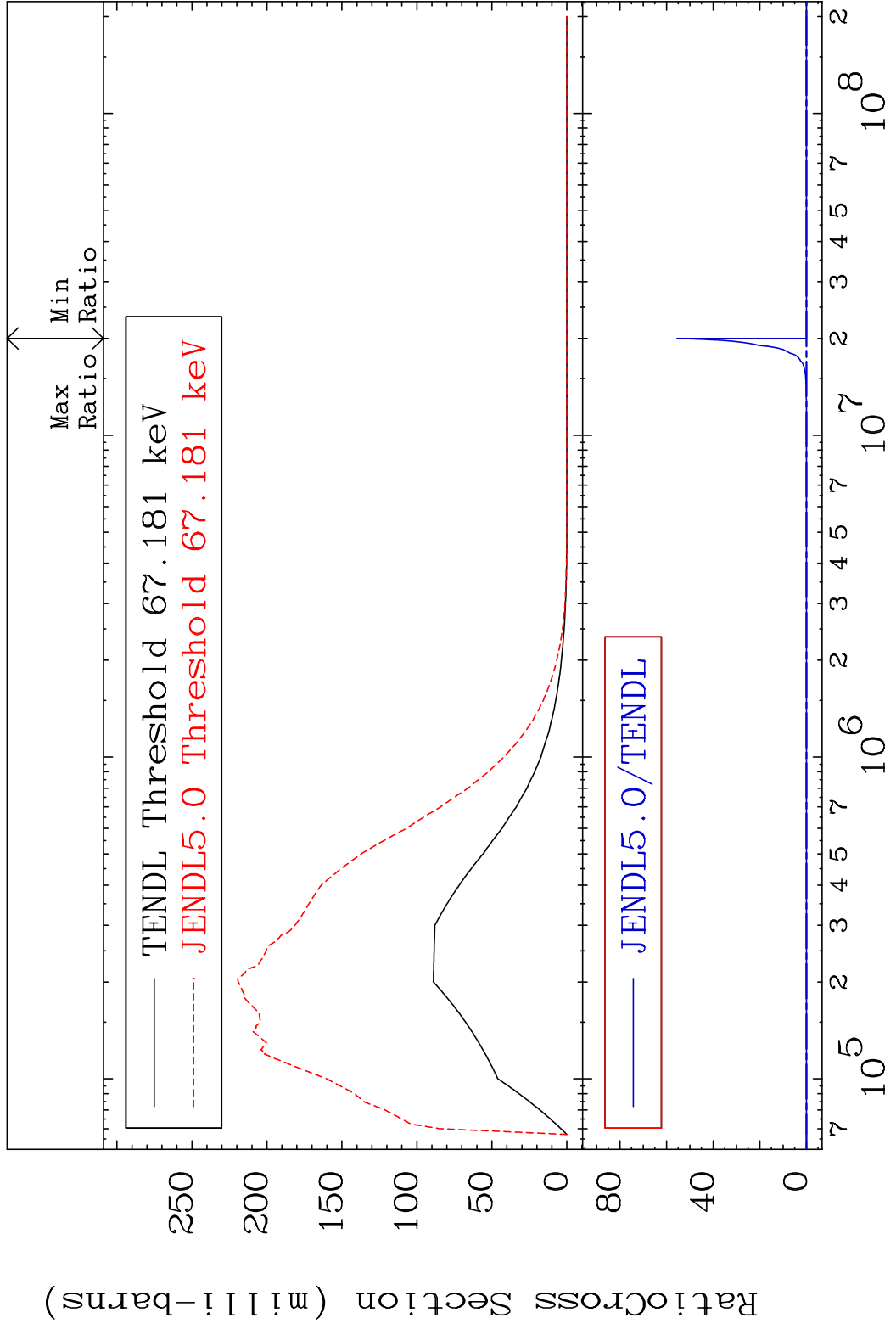


MAT 7728 MT= 53 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 431.0 %



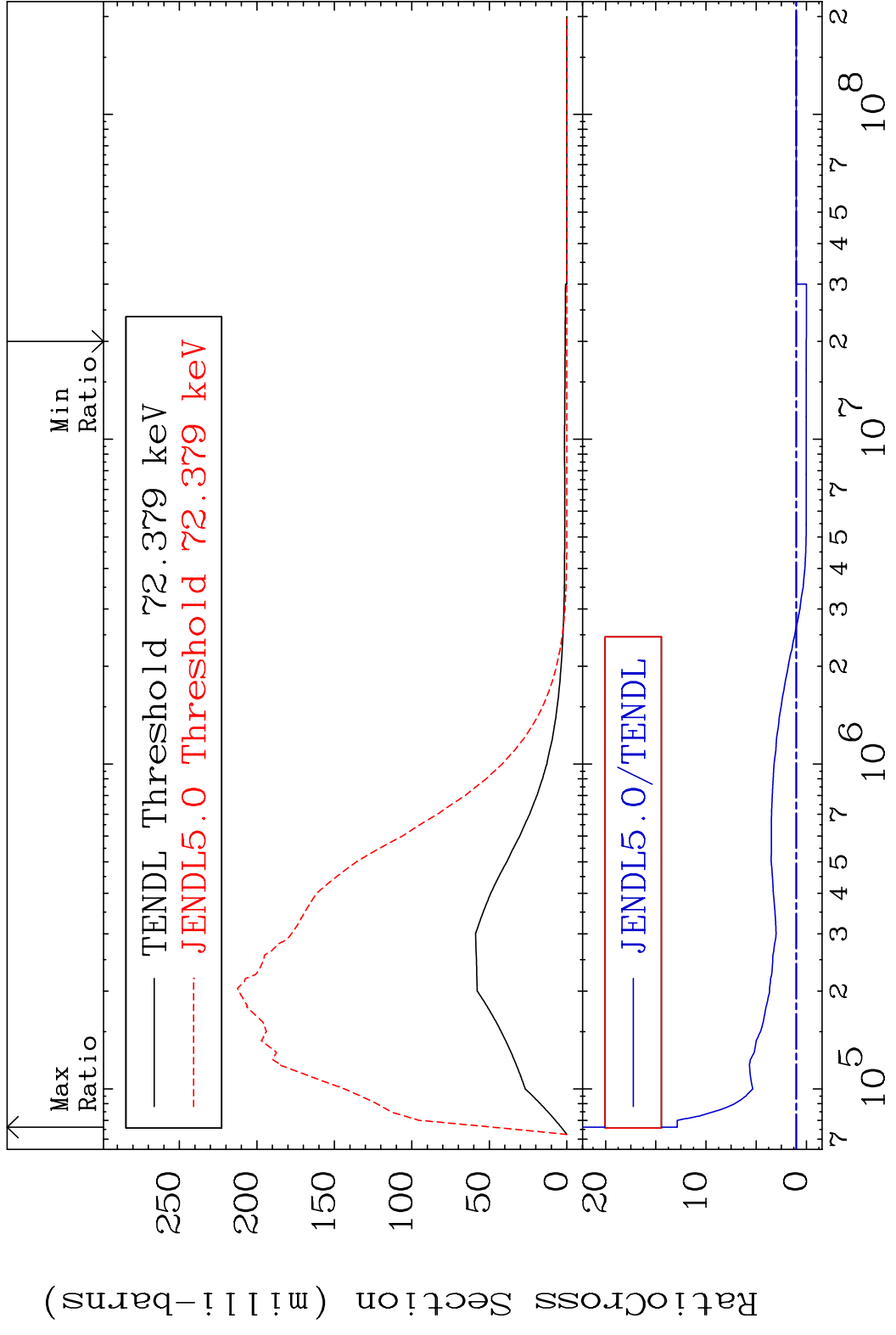
15 Incident Energy (eV) 77-Ir-192

MAT 7728 MT= 54 (n,n') Level 77-Ir-192
 Cross Section -100.0 To 9999. %

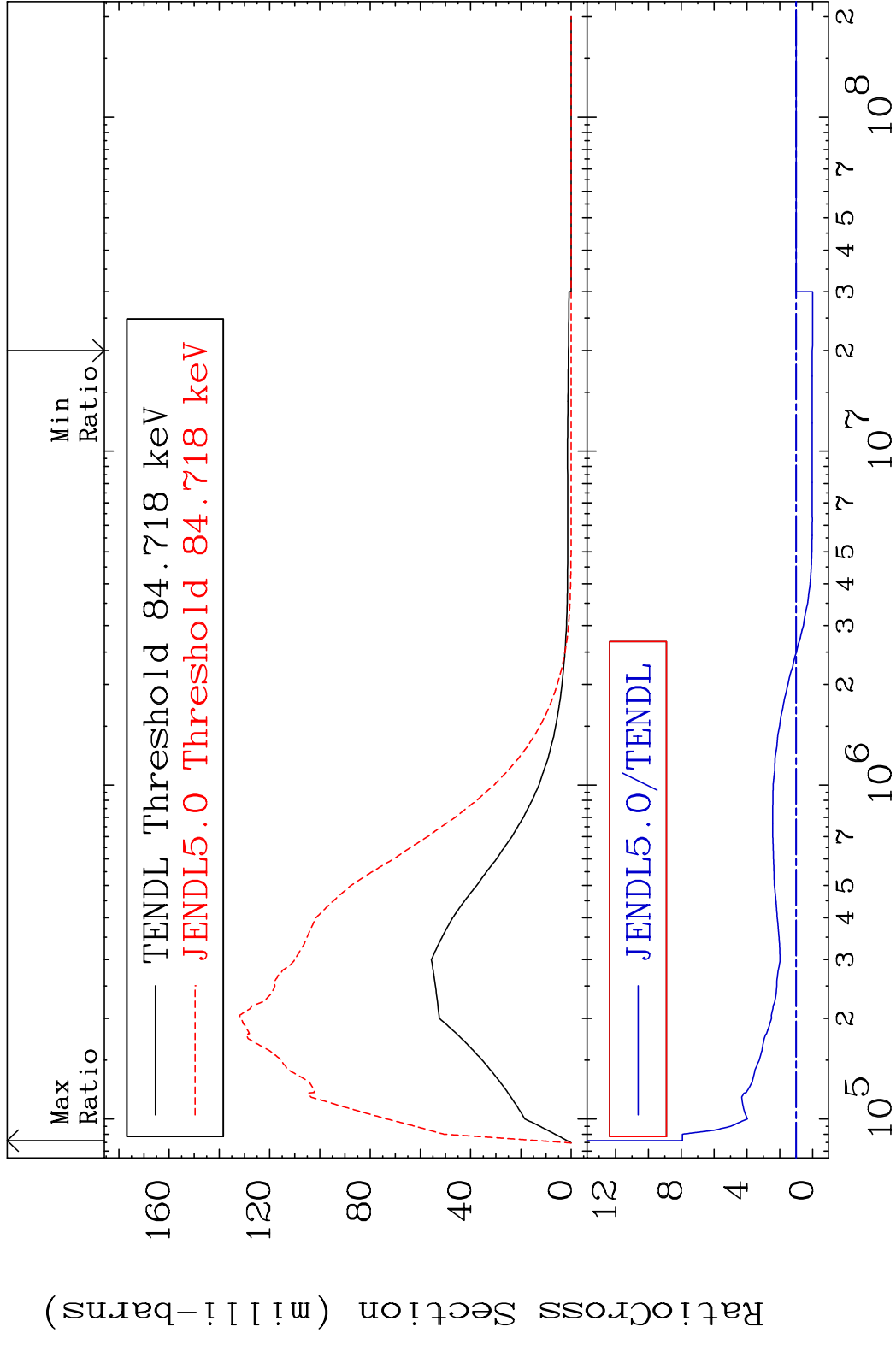


16 Incident Energy (eV) 77-Ir-192

MAT 7728 MT= 55 (n,n') Level 77-Ir-192
 Cross Section -100.0 To 1187. %

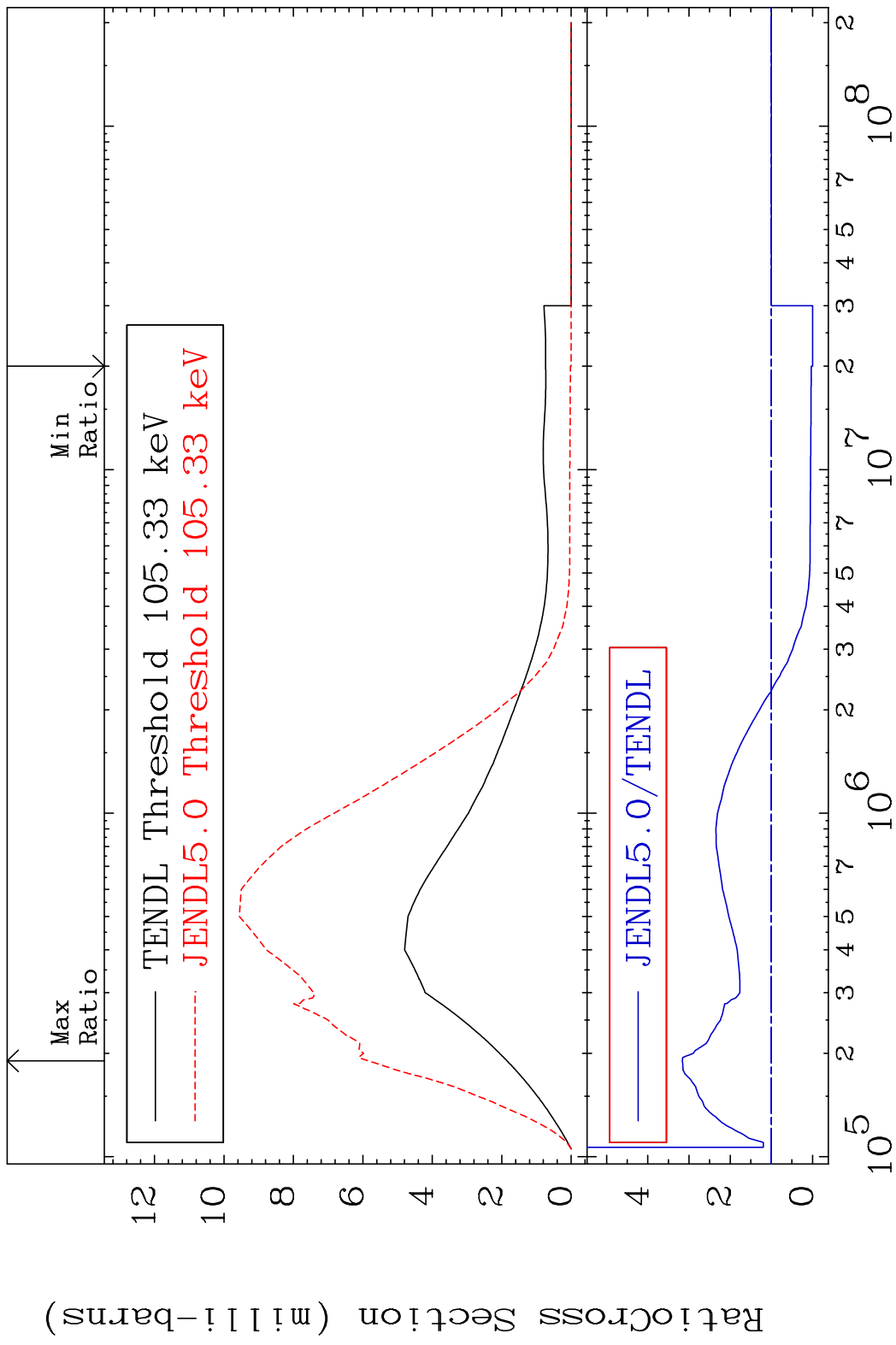


MAT 7728 MT= 56 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 693.1 %



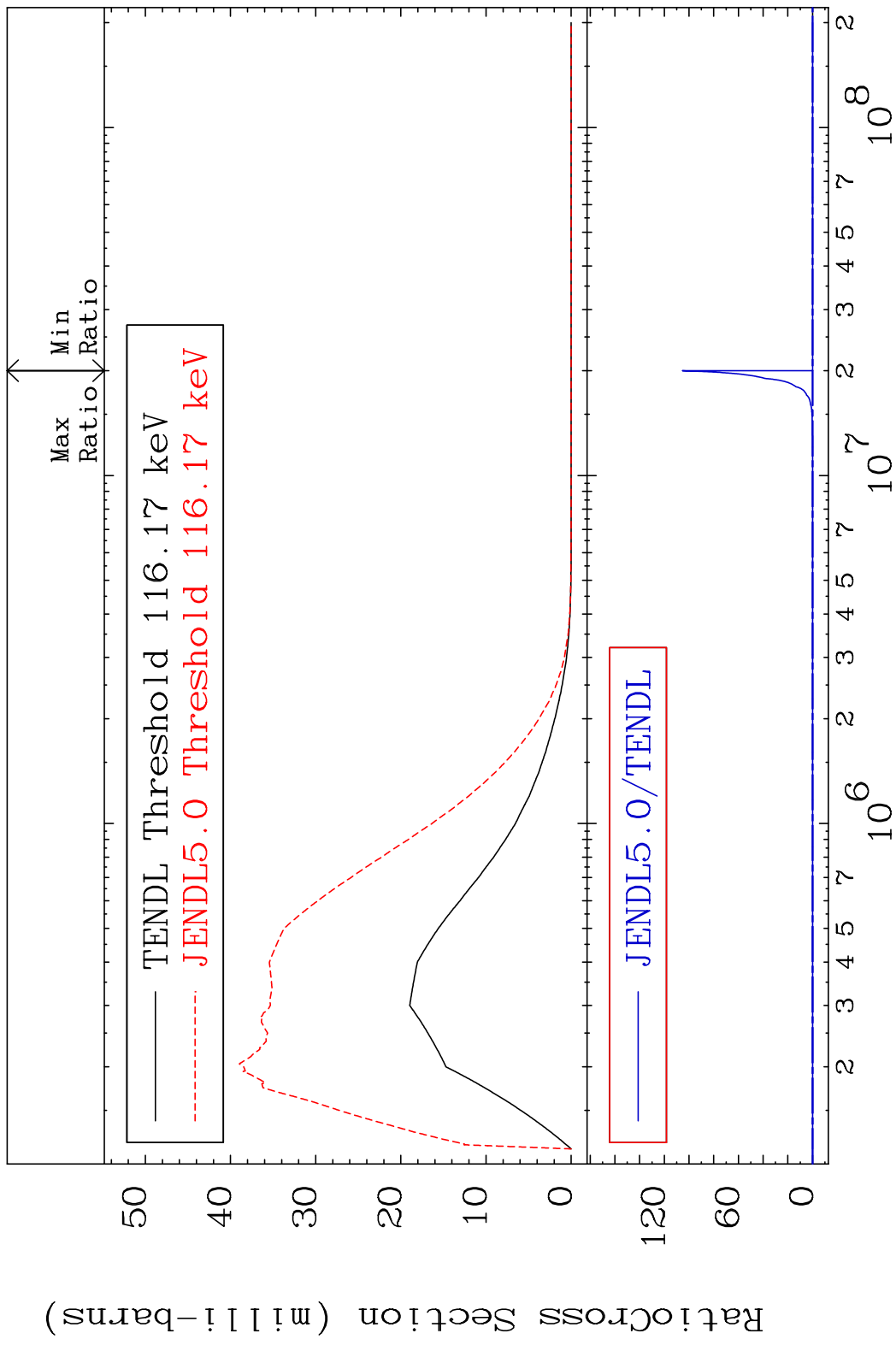
18 Incident Energy (eV) 77-Ir-192

MAT 7728 MT= 57 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 216.1 %

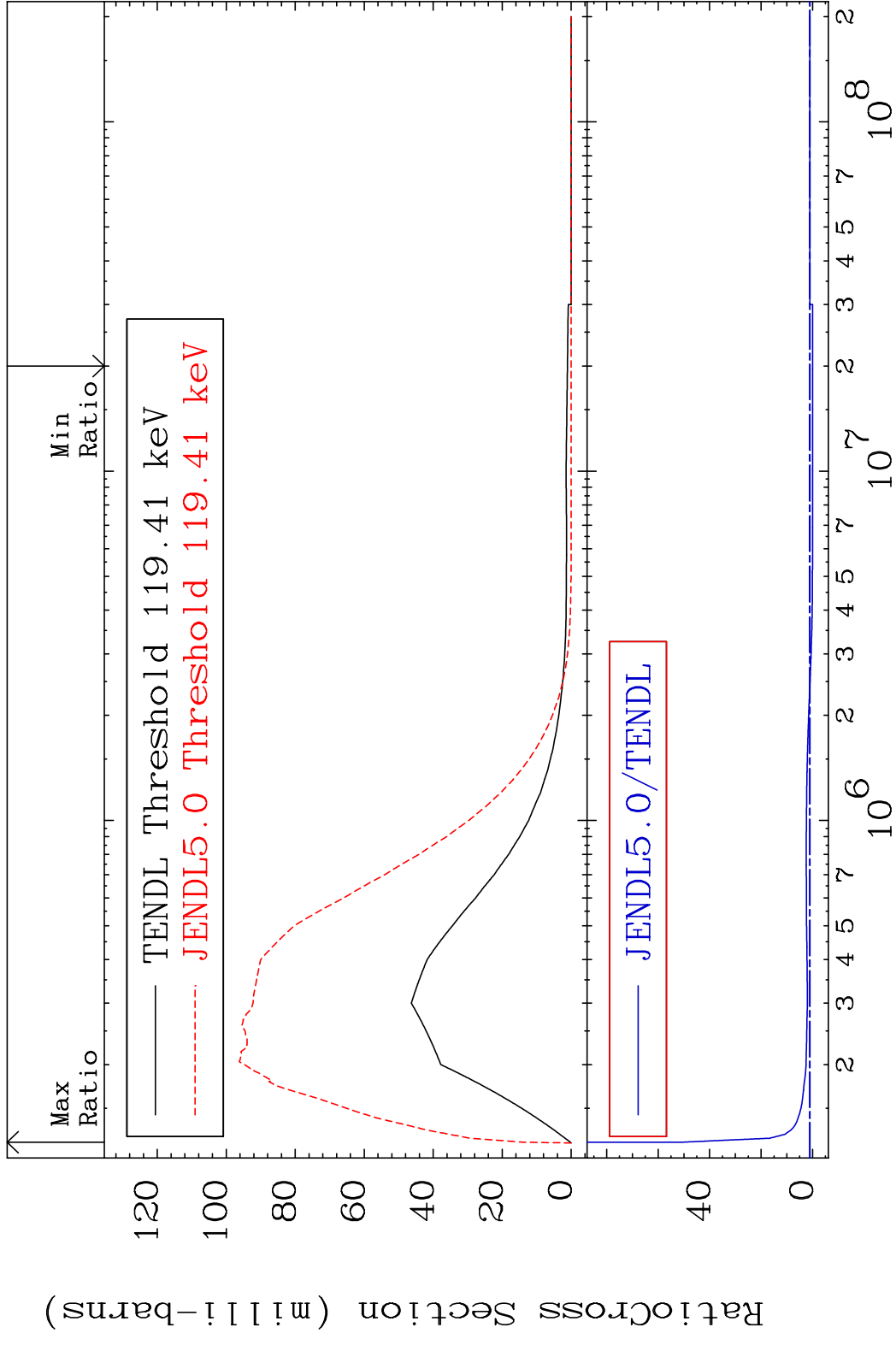


19 Incident Energy (eV) 77-Ir-192

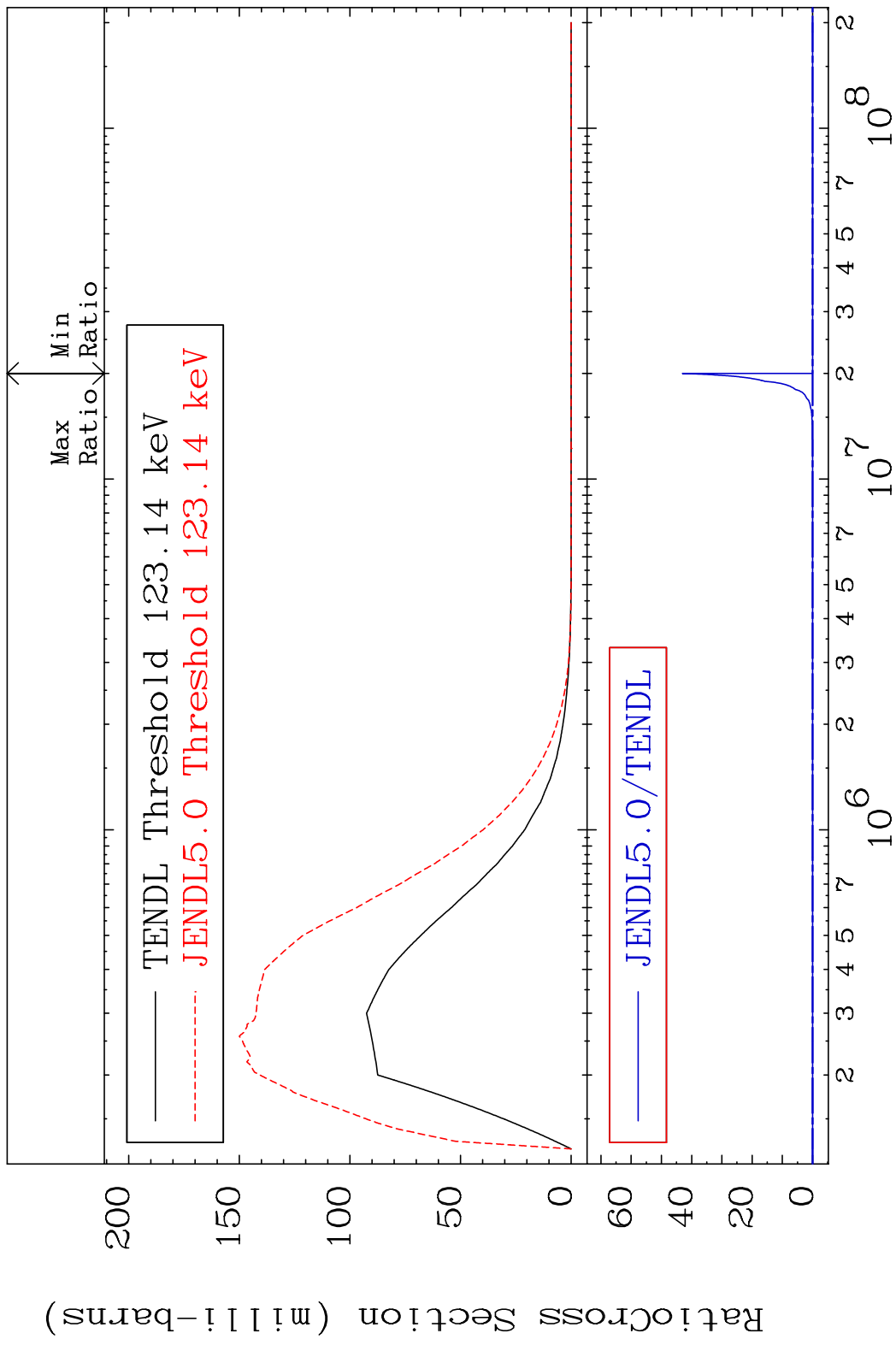
MAT 7728 MT= 58 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 9999. %



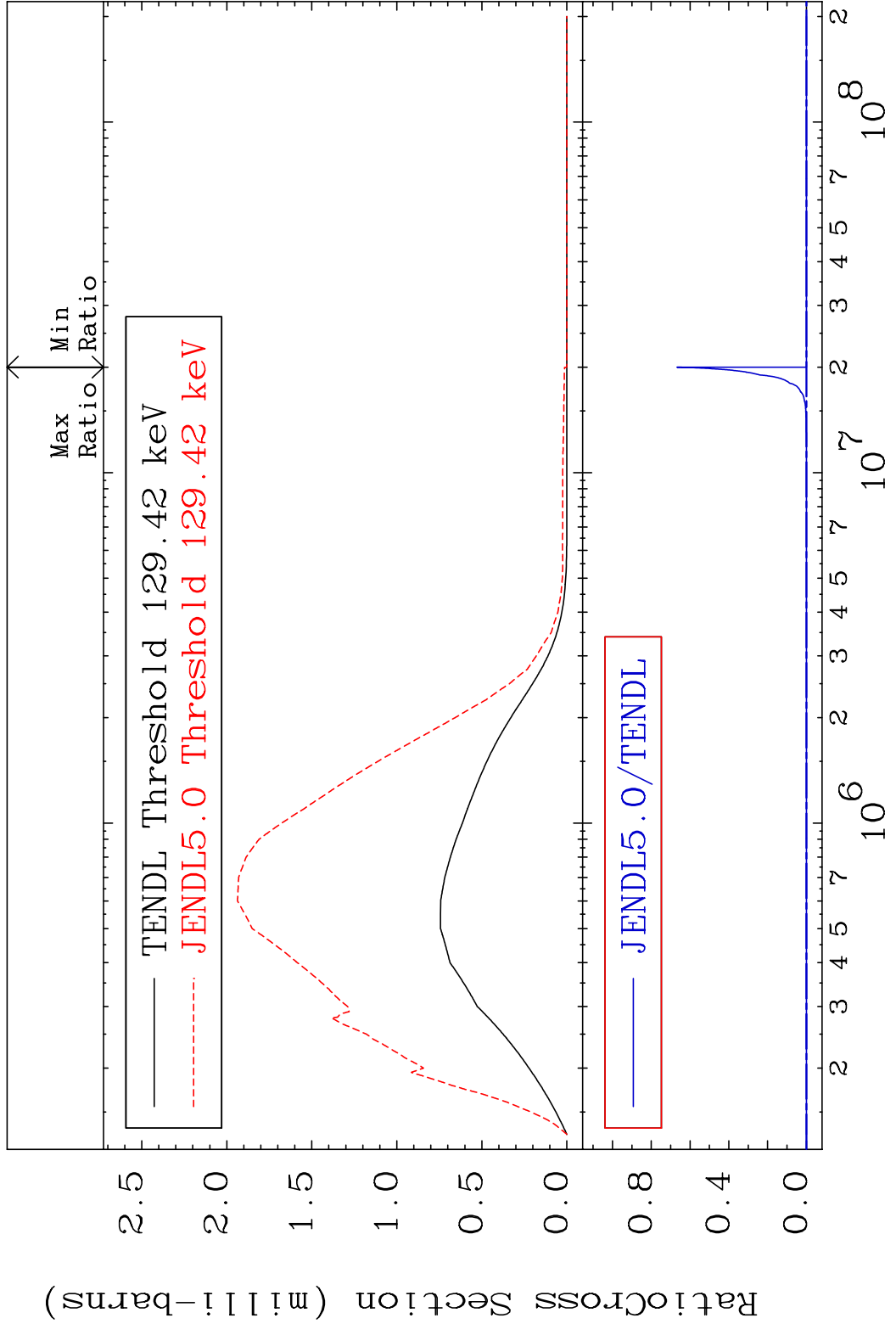
MAT 7728 MT= 59 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 4959. %



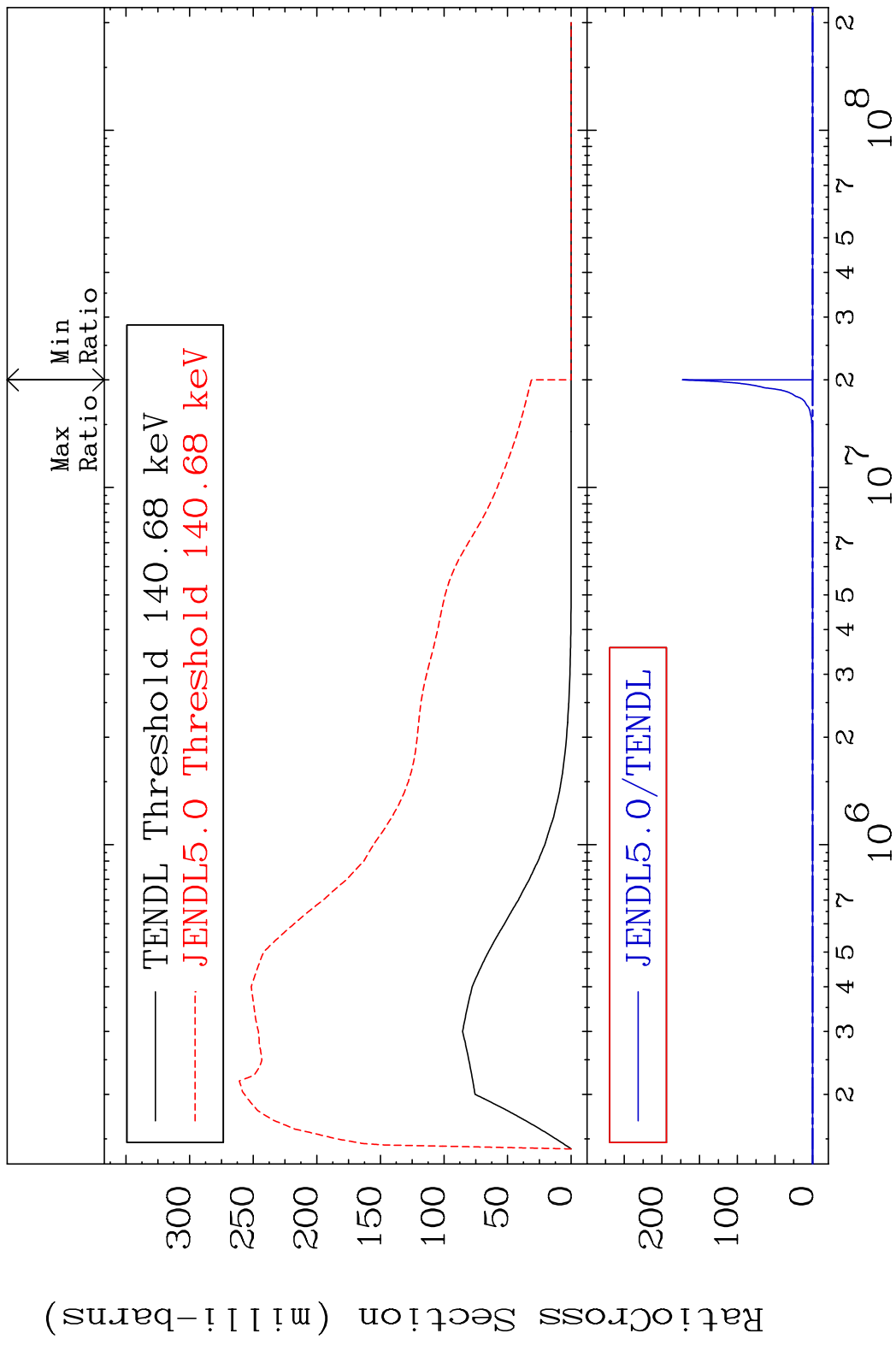
MAT 7728 MT= 60 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 9999. %



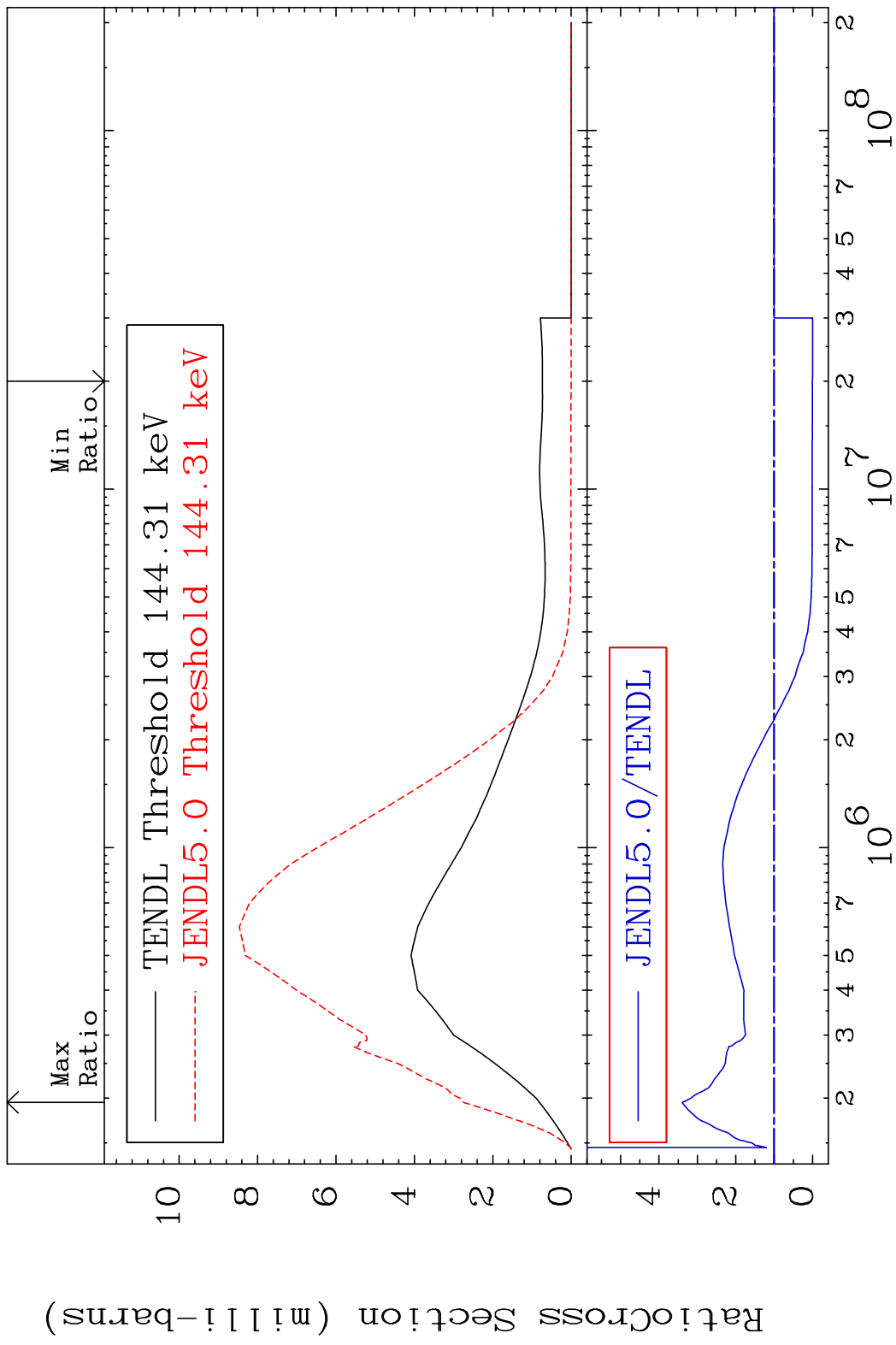
MAT 7728 MT= 61 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 9999. %



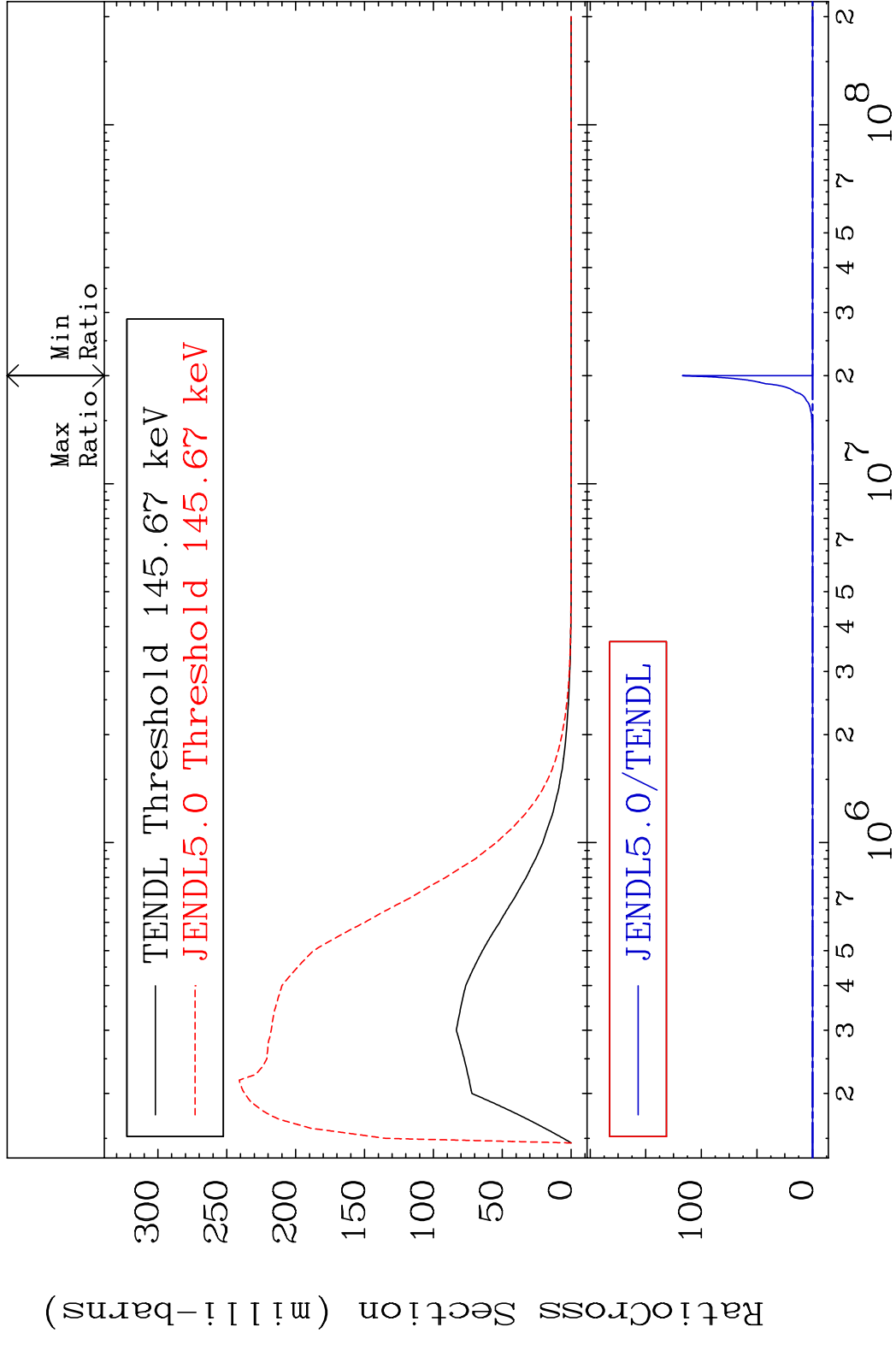
MAT 7728 MT= 62 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 9999. %



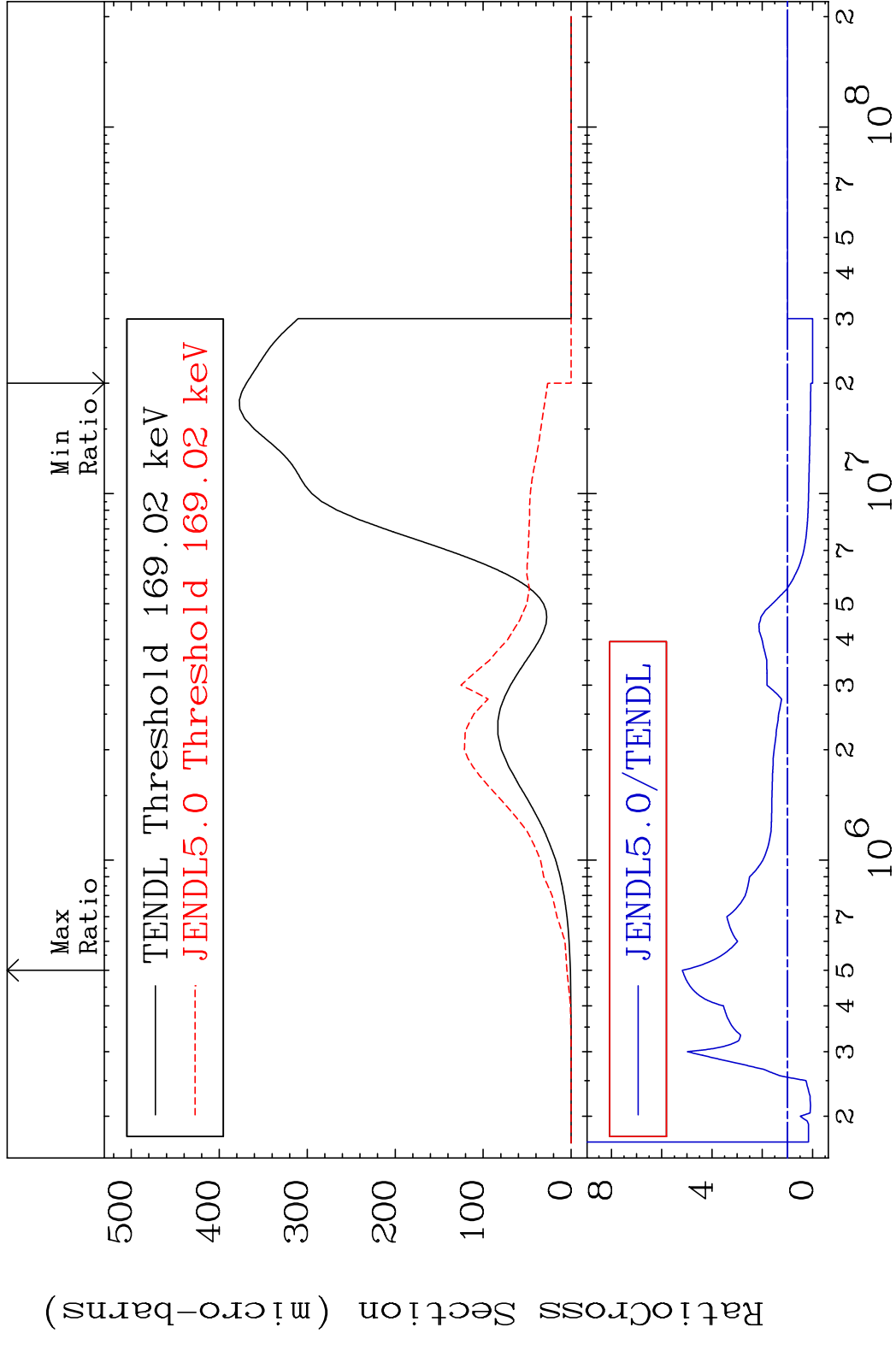
MAT 7728 MT= 63 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 239.2 %



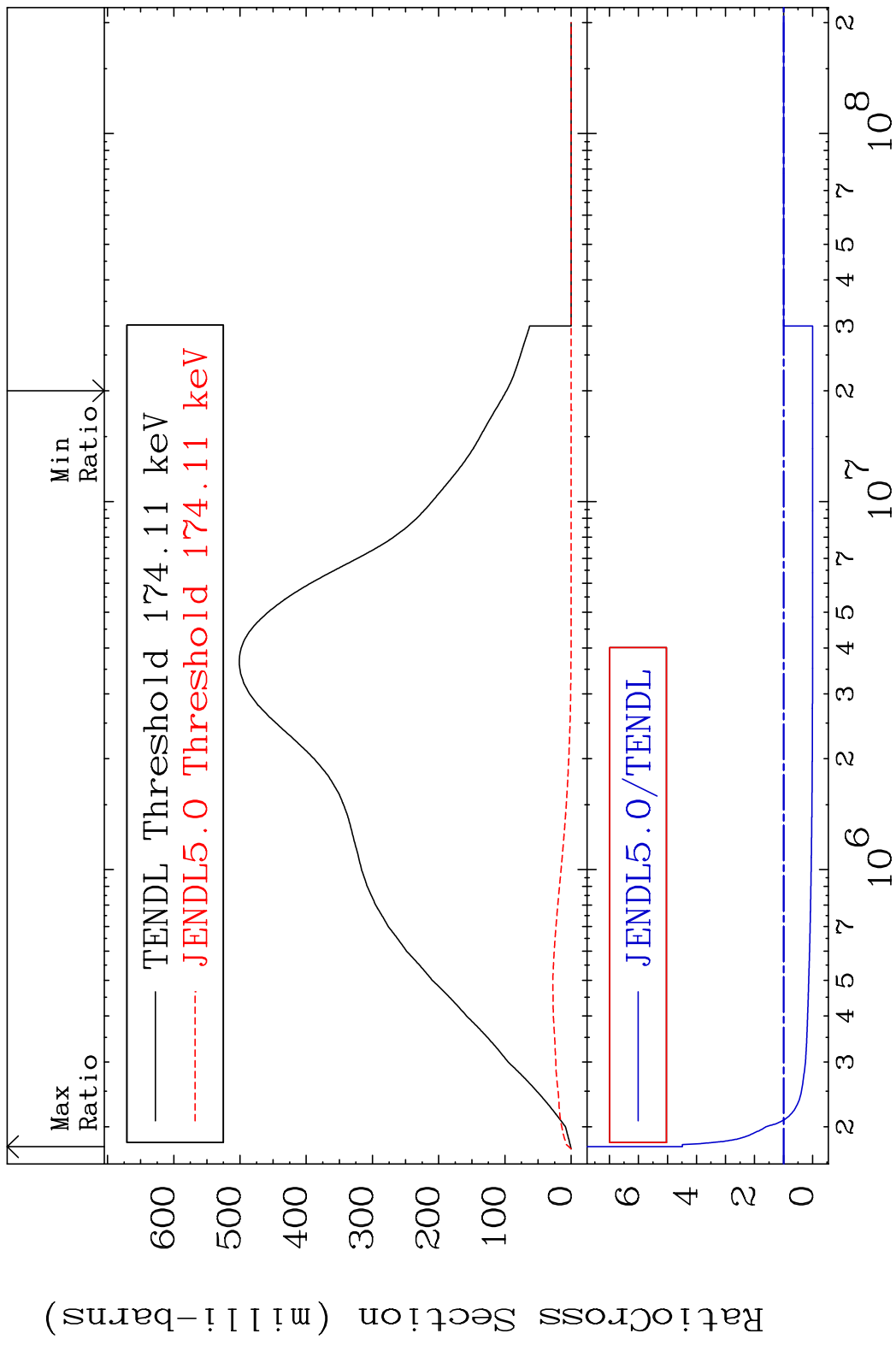
MAT 7728 MT= 64 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 9999. %



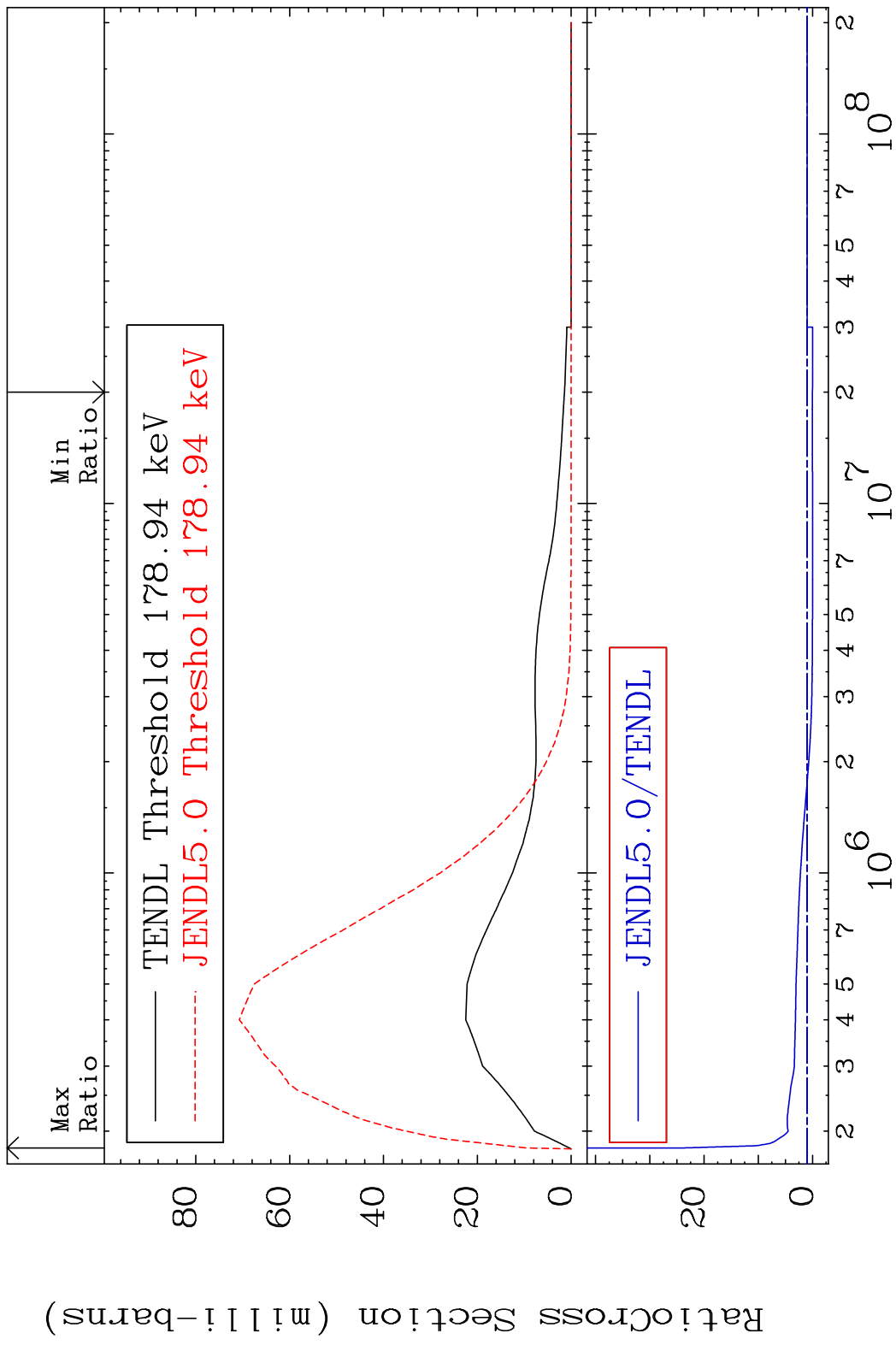
MAT 7728 MT= 65 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 418.0 %



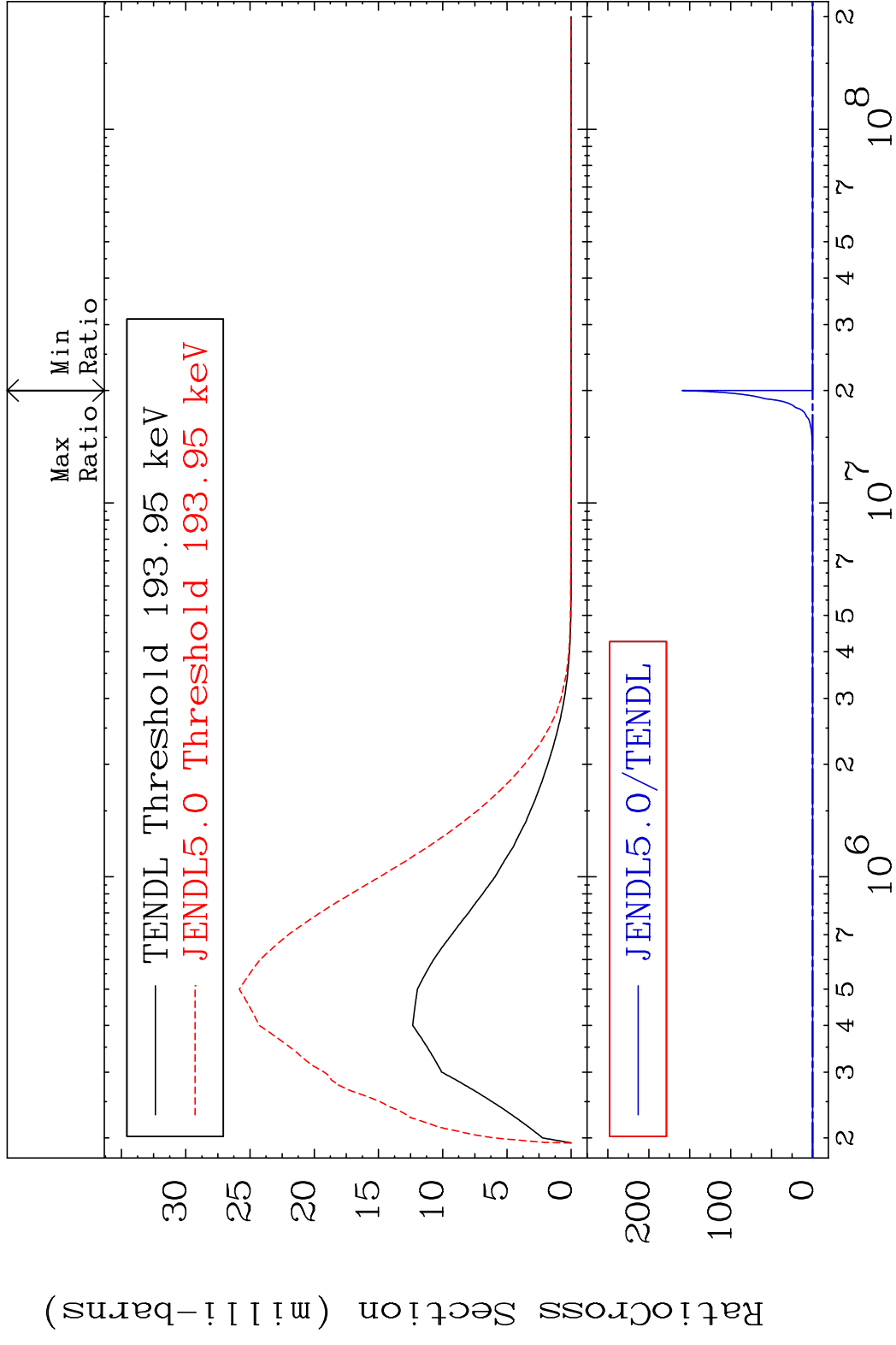
MAT 7728 MT= 66 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 348.7 %



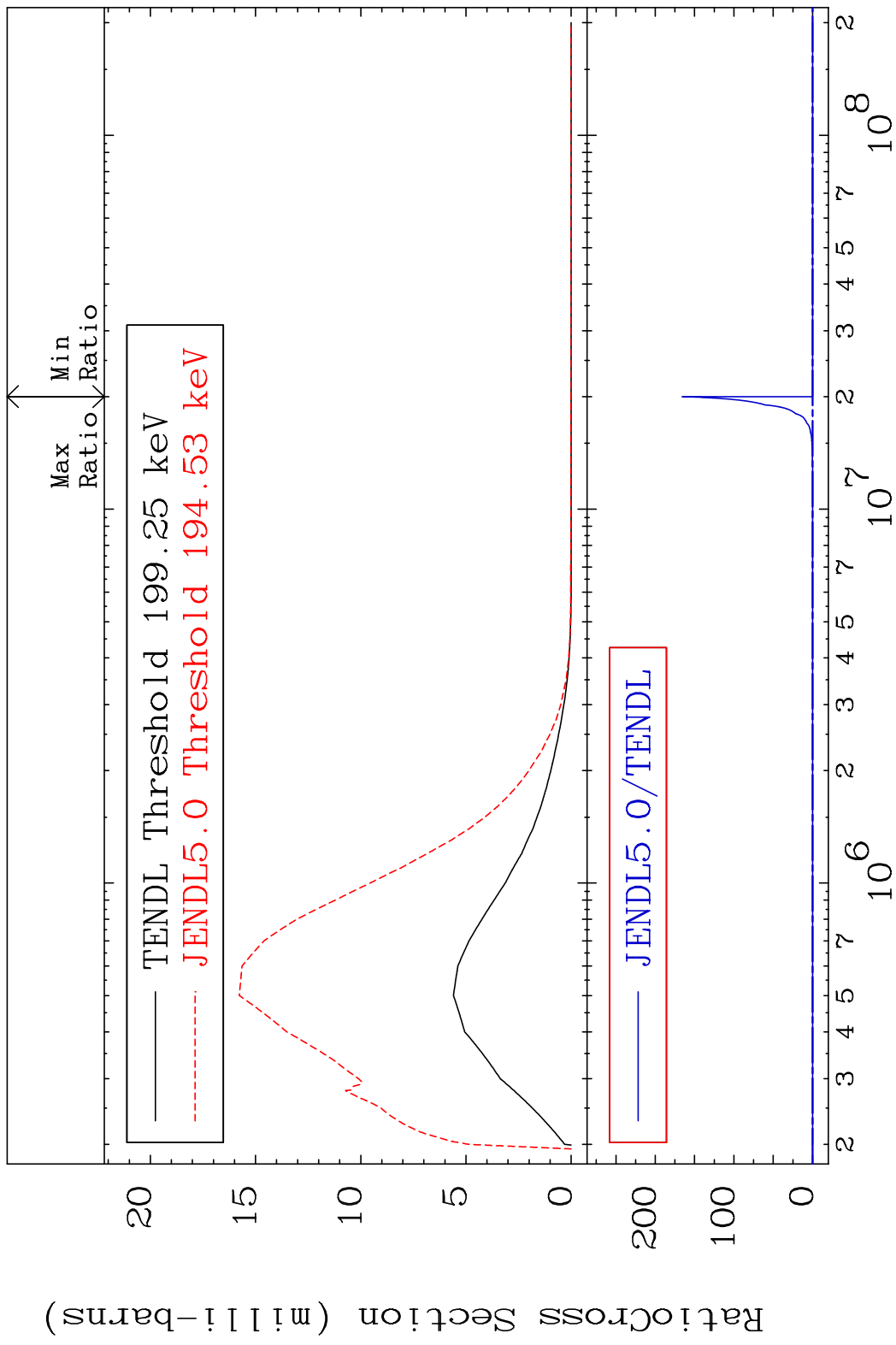
MAT 7728 MT= 67 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 2300. %



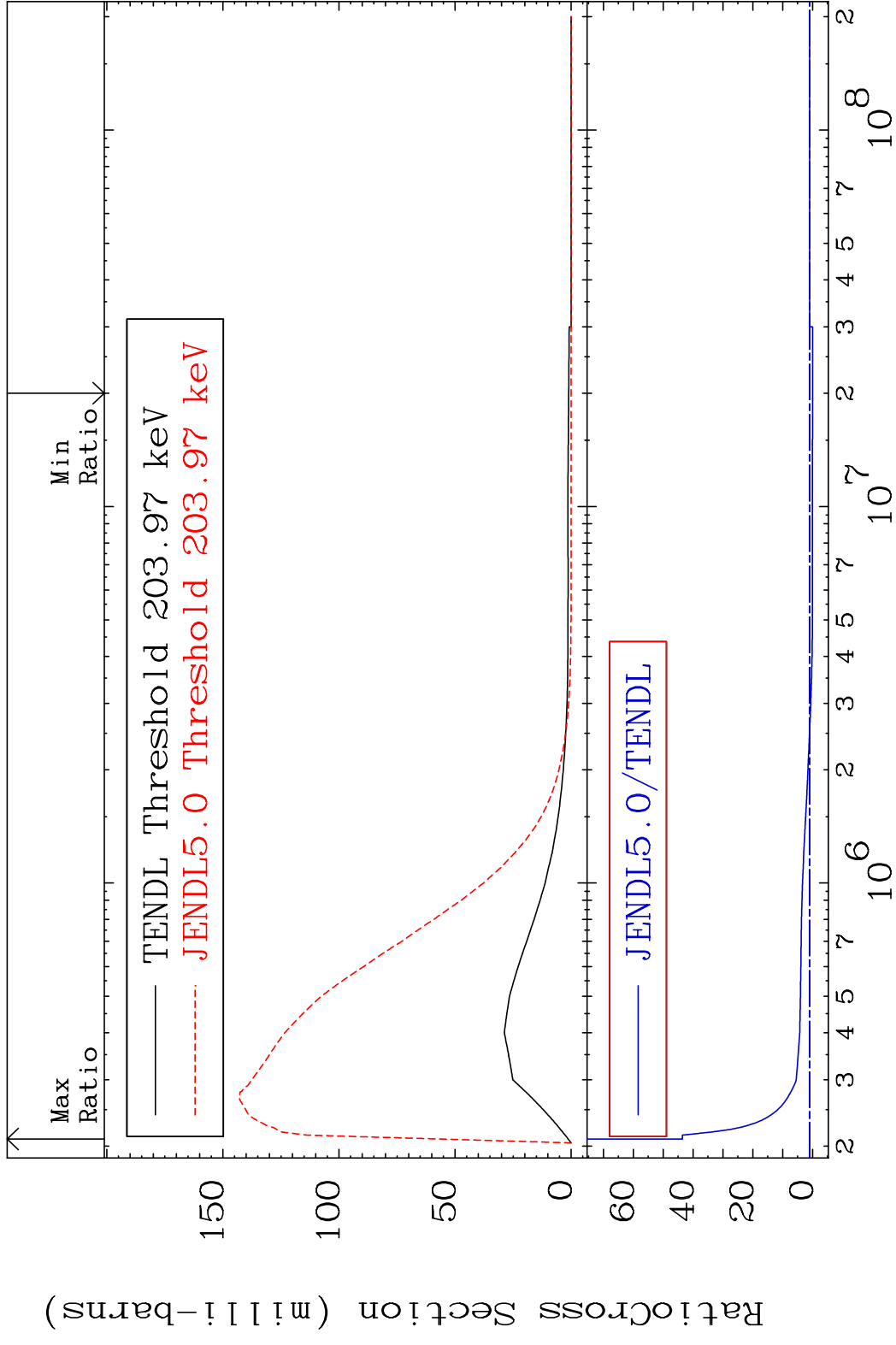
MAT 7728 MT= 68 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 9999. %



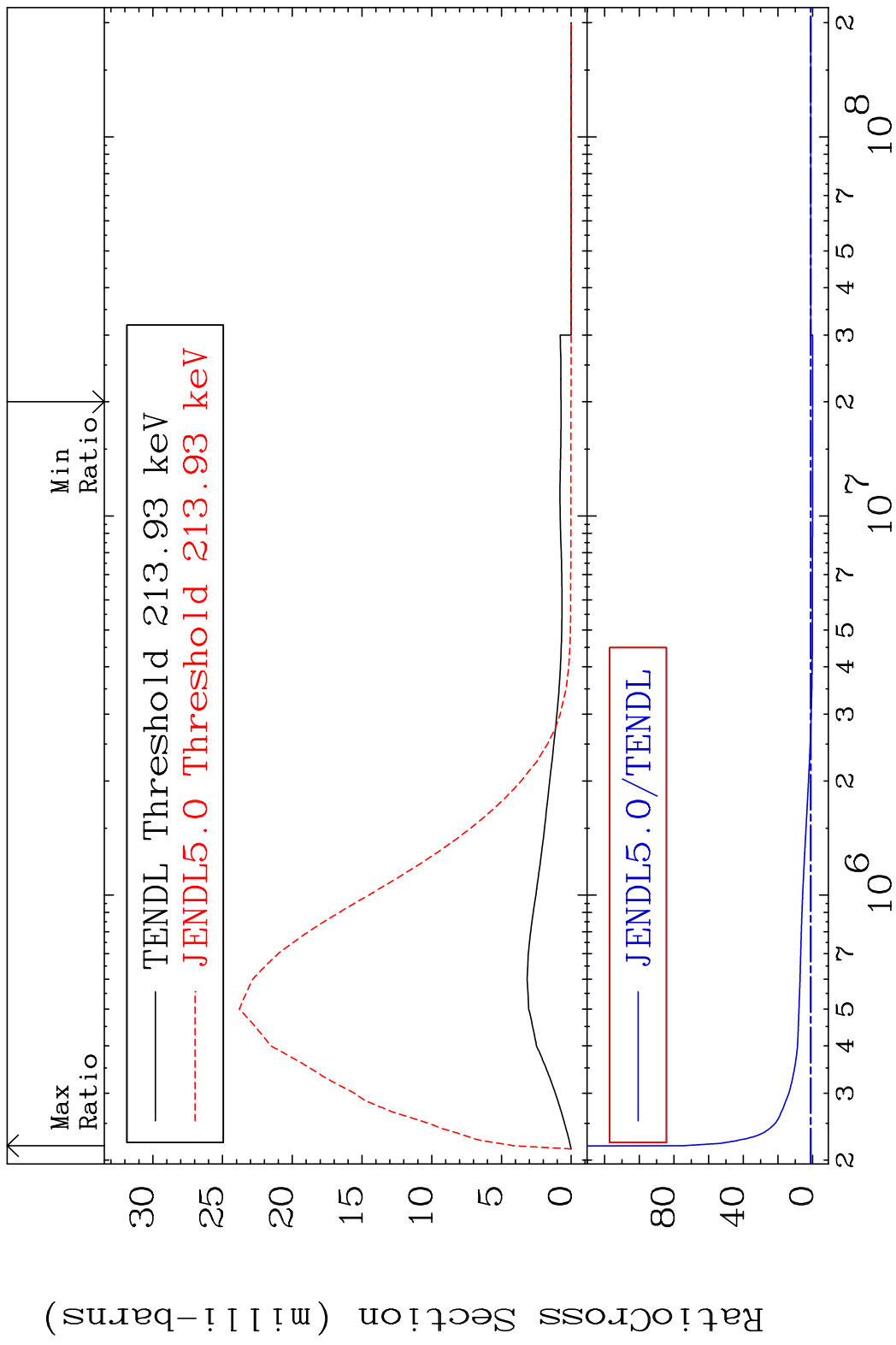
MAT 7728 MT= 69 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 9999. %



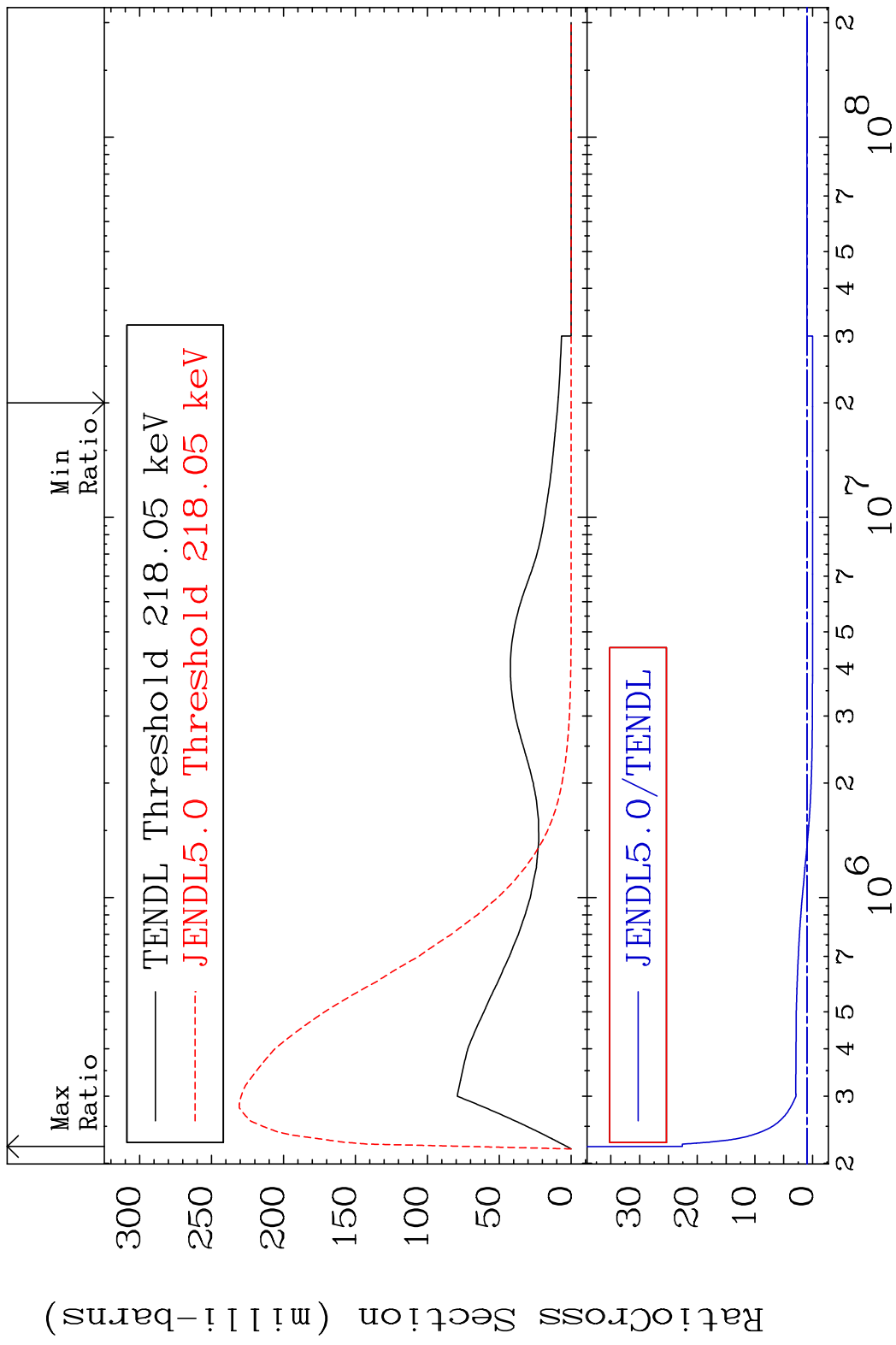
MAT 7728 MT= 70 (n,n') Level 77-Ir-192
 Cross Section -100.0 To 4259. %



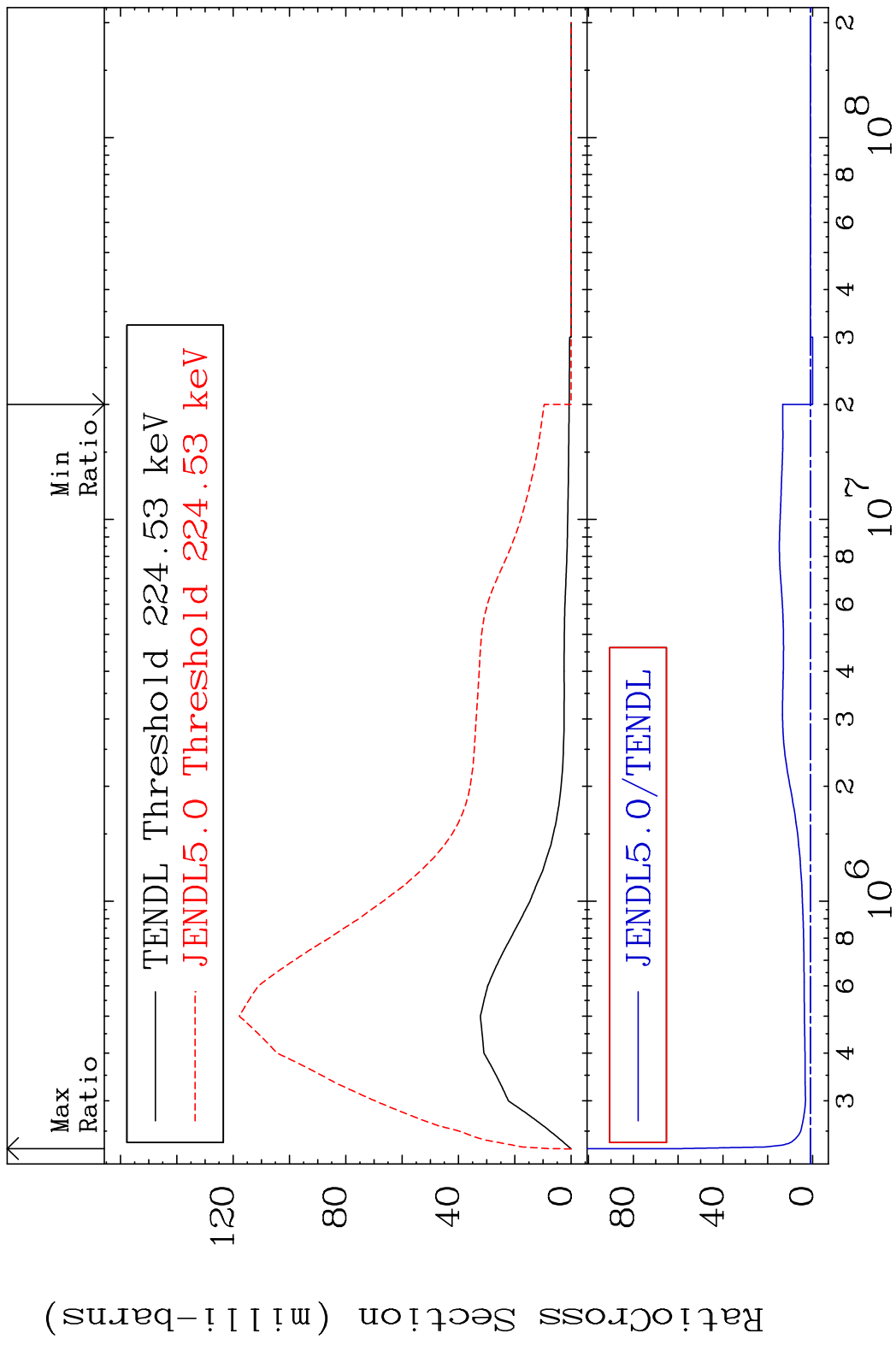
MAT 7728 MT= 71 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 7417. %



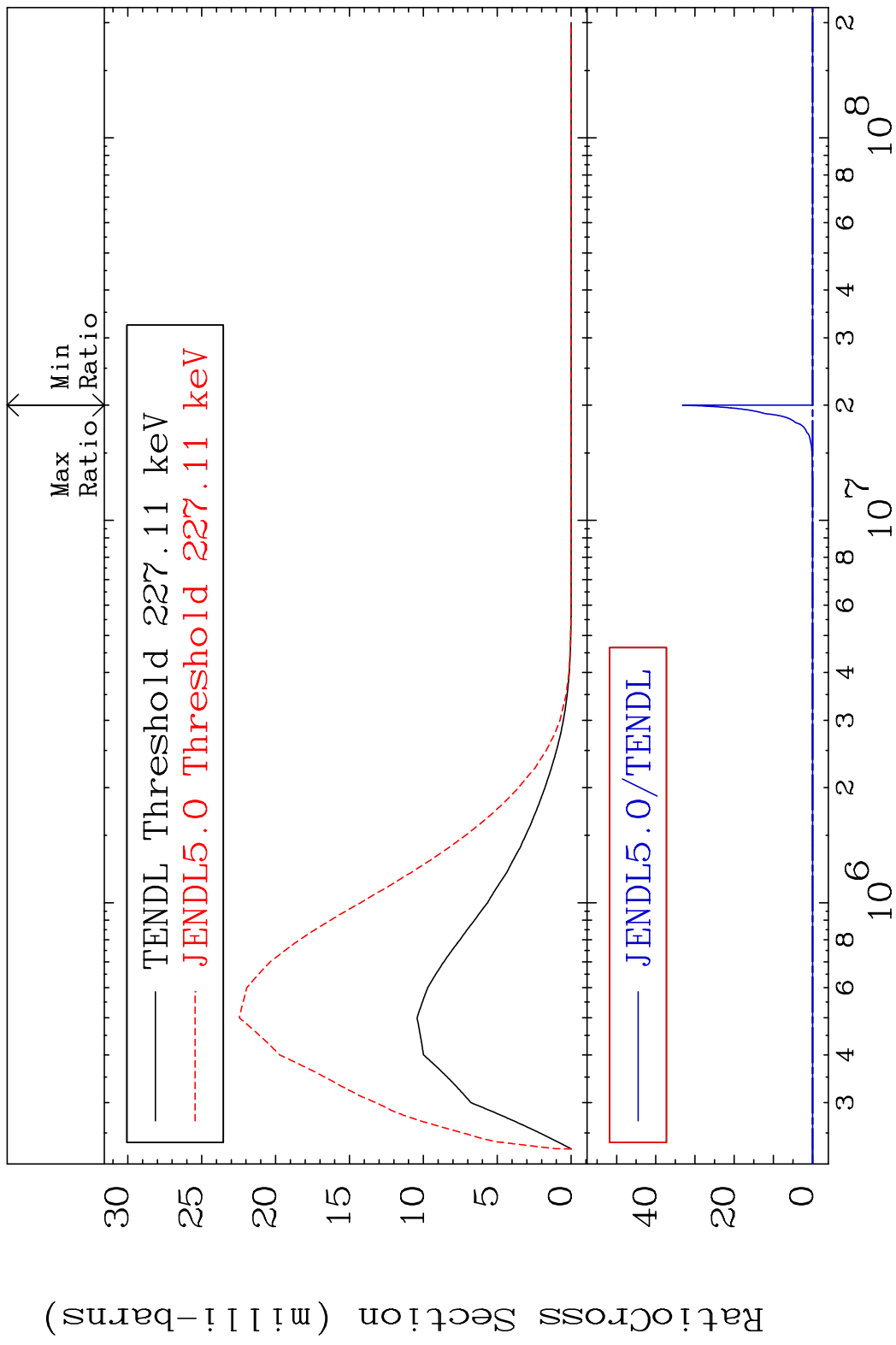
MAT 7728 MT= 72 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 2159. %



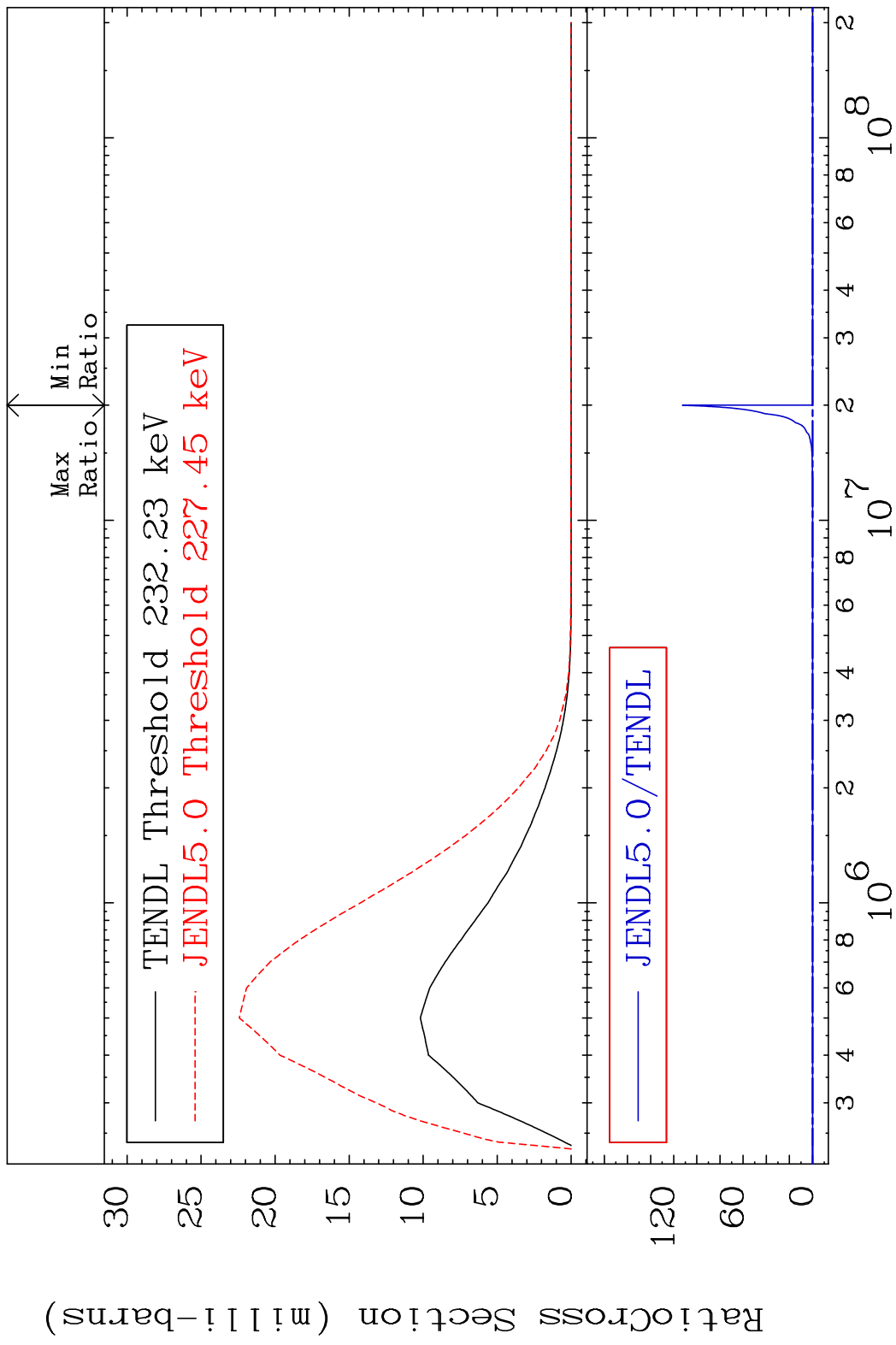
MAT 7728 MT= 73 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 5712. %



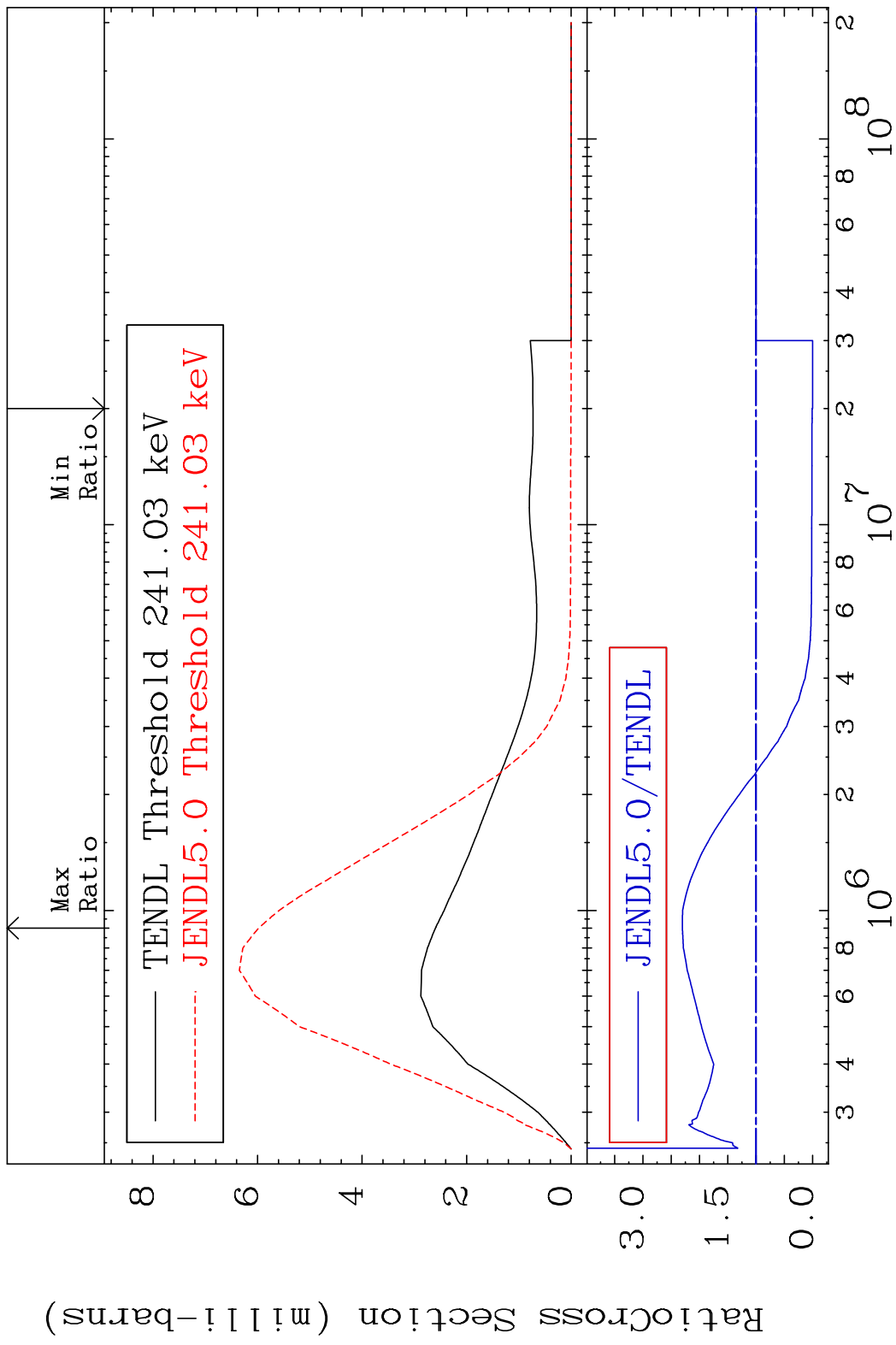
MAT 7728 MT= 74 (n,n') Level 77-Ir-192
 Cross Section -100.0 To 9999. %



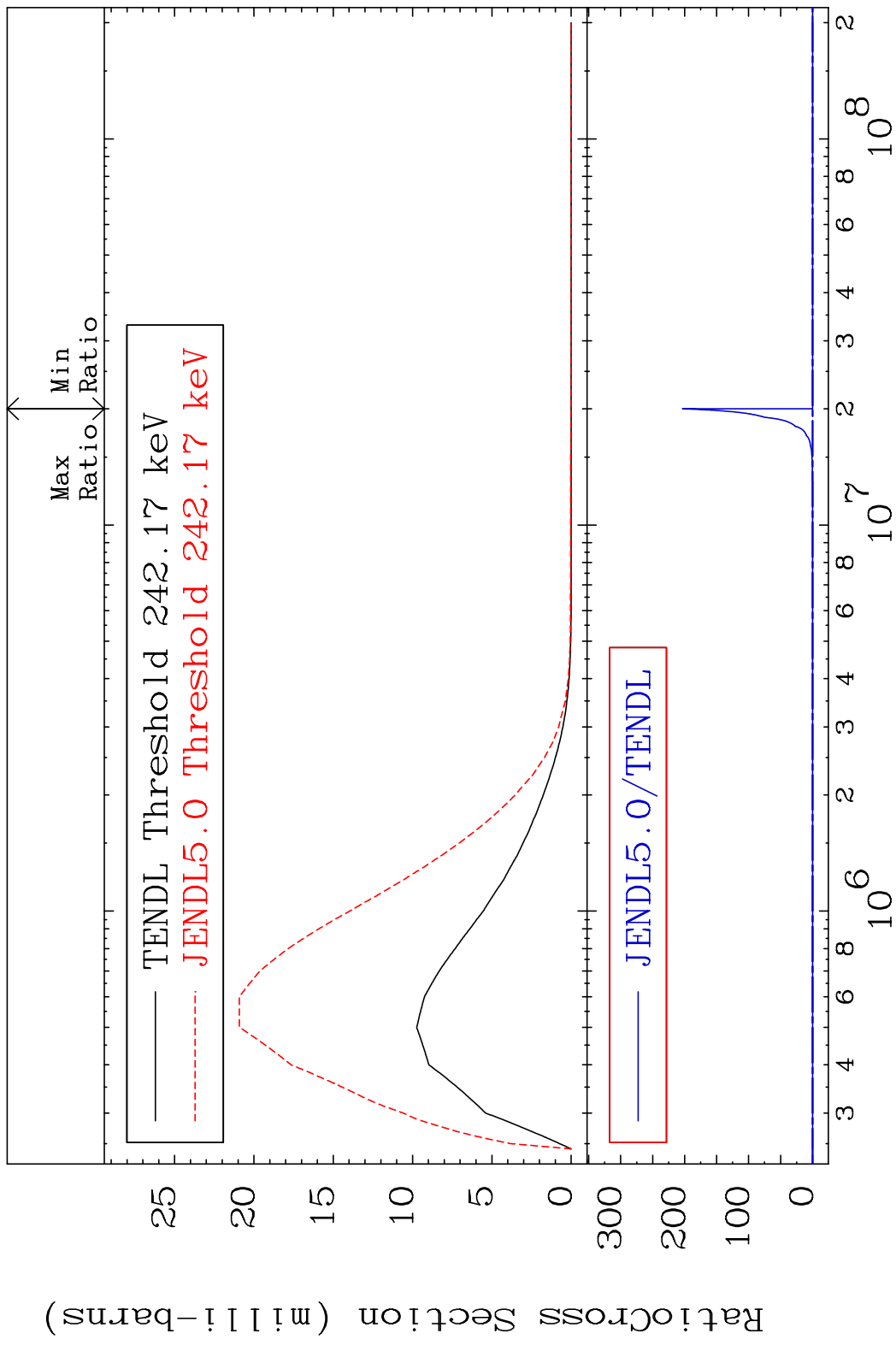
MAT 7728 MT= 75 (n,n') Level 77-Ir-192
 Cross Section -100.0 To 9999. %



MAT 7728 MT= 77 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 130.3 %

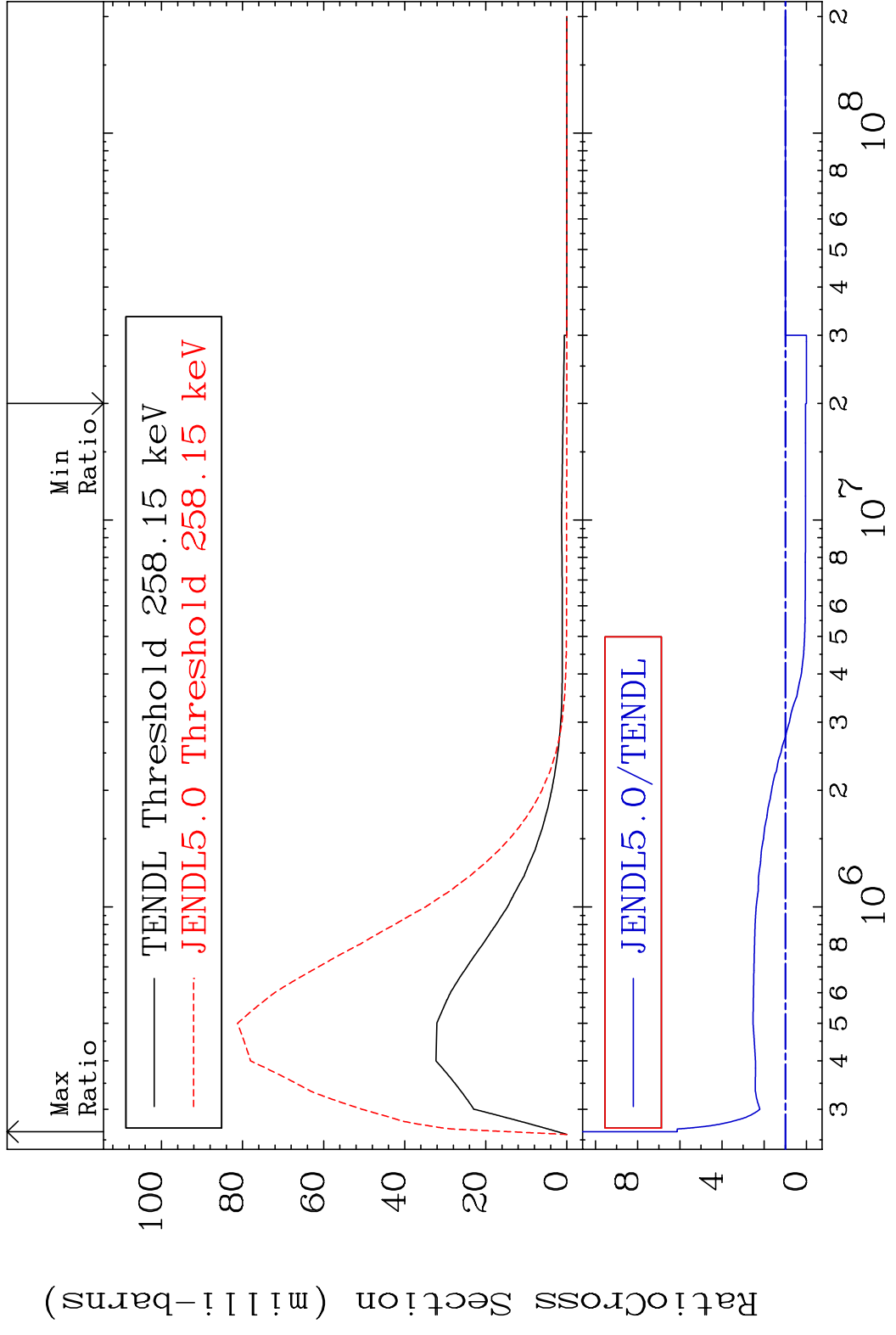


MAT 7728 MT= 78 (n,n') Level 77-Ir-192
 Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 77-Ir-192

MAT 7728 MT= 79 (n, n') Level 77-Ir-192
 Cross Section -100.0 To 512.8 %

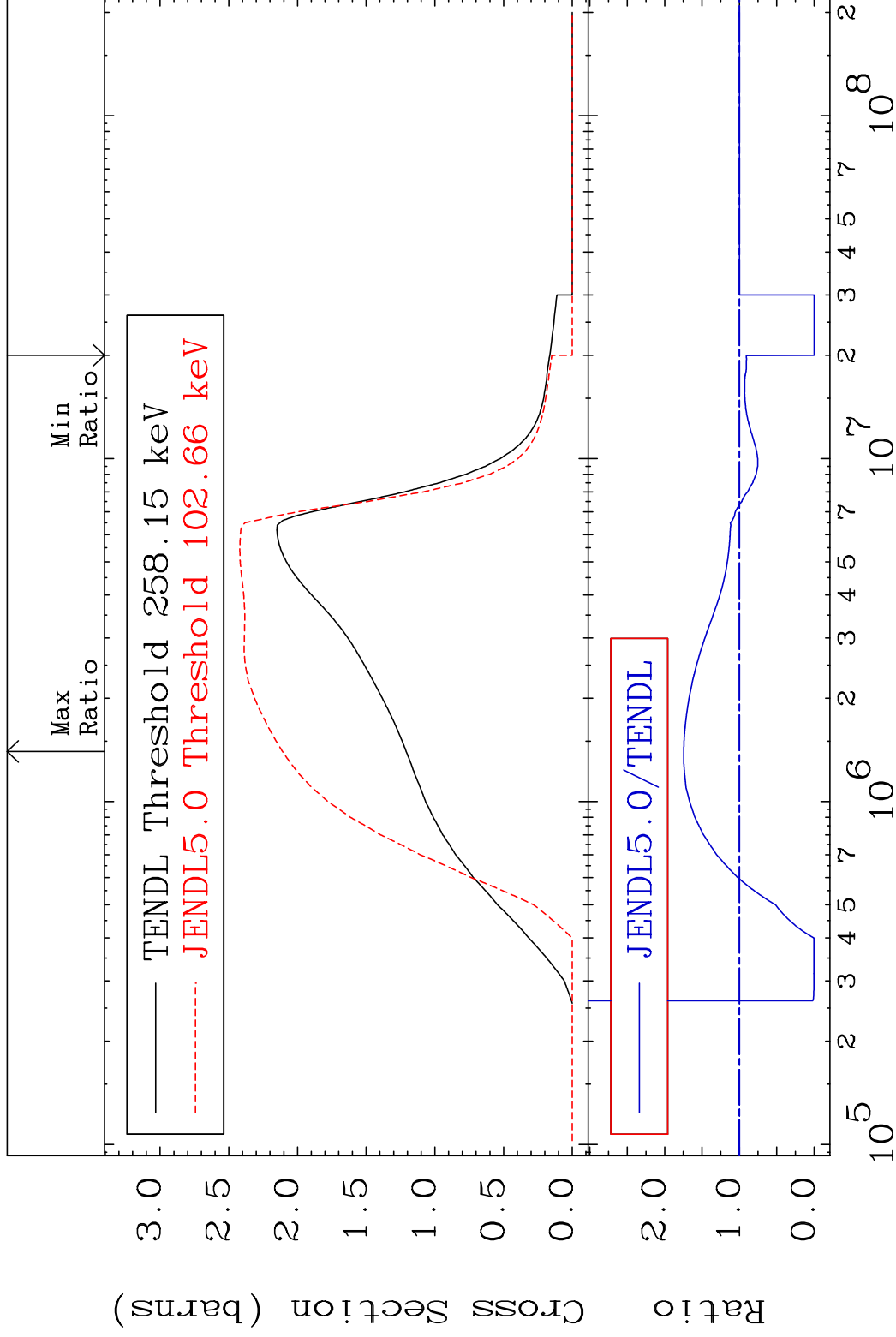


MAT 7728

(n, n') Continuum

77-Ir-192

Cross Section -100.0 To 74.54 %



42

Incident Energy (eV)

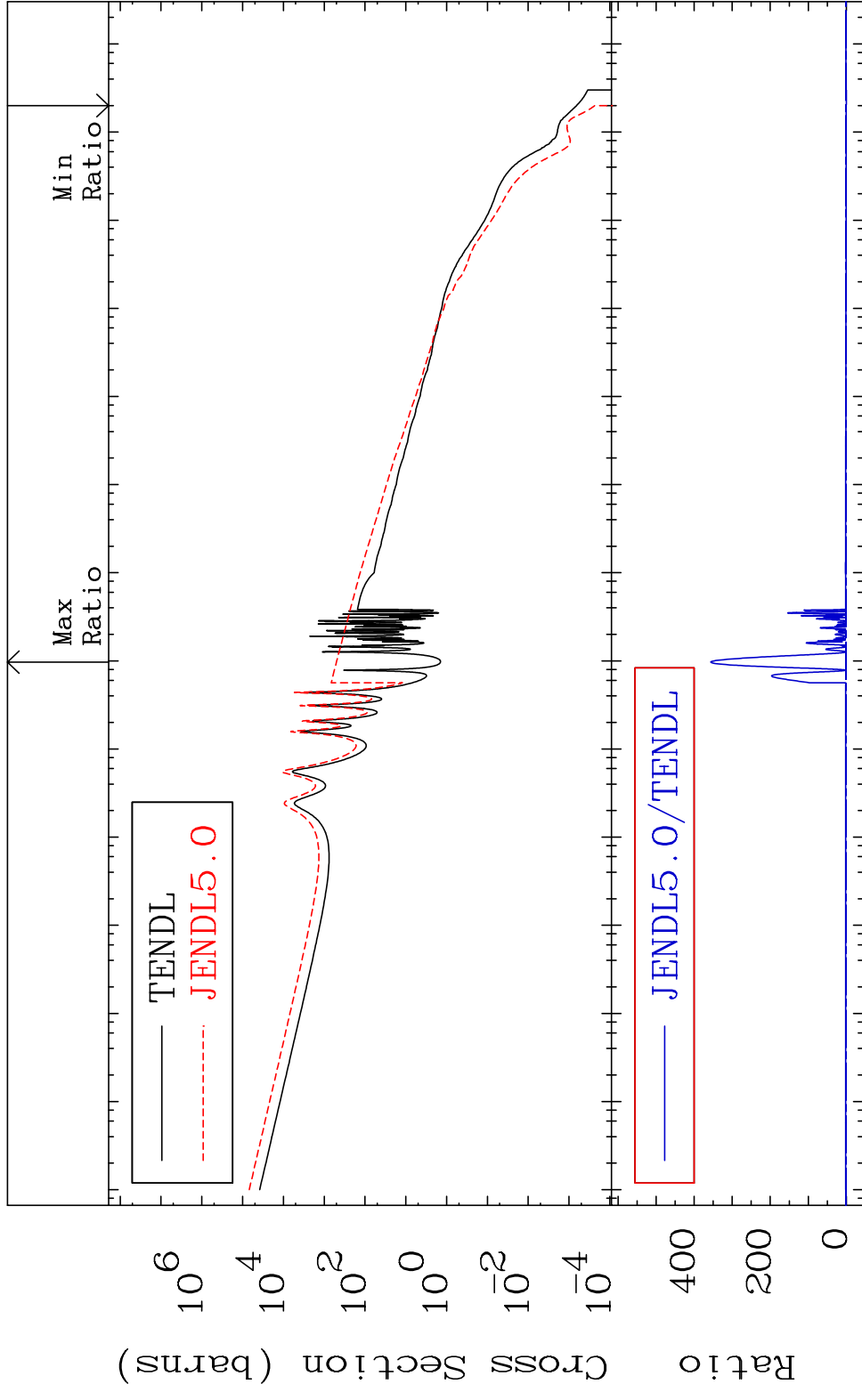
77-Ir-192

MAT 7728

77-Ir-192

(n, γ)

Cross Section -100.0 To 9999. %

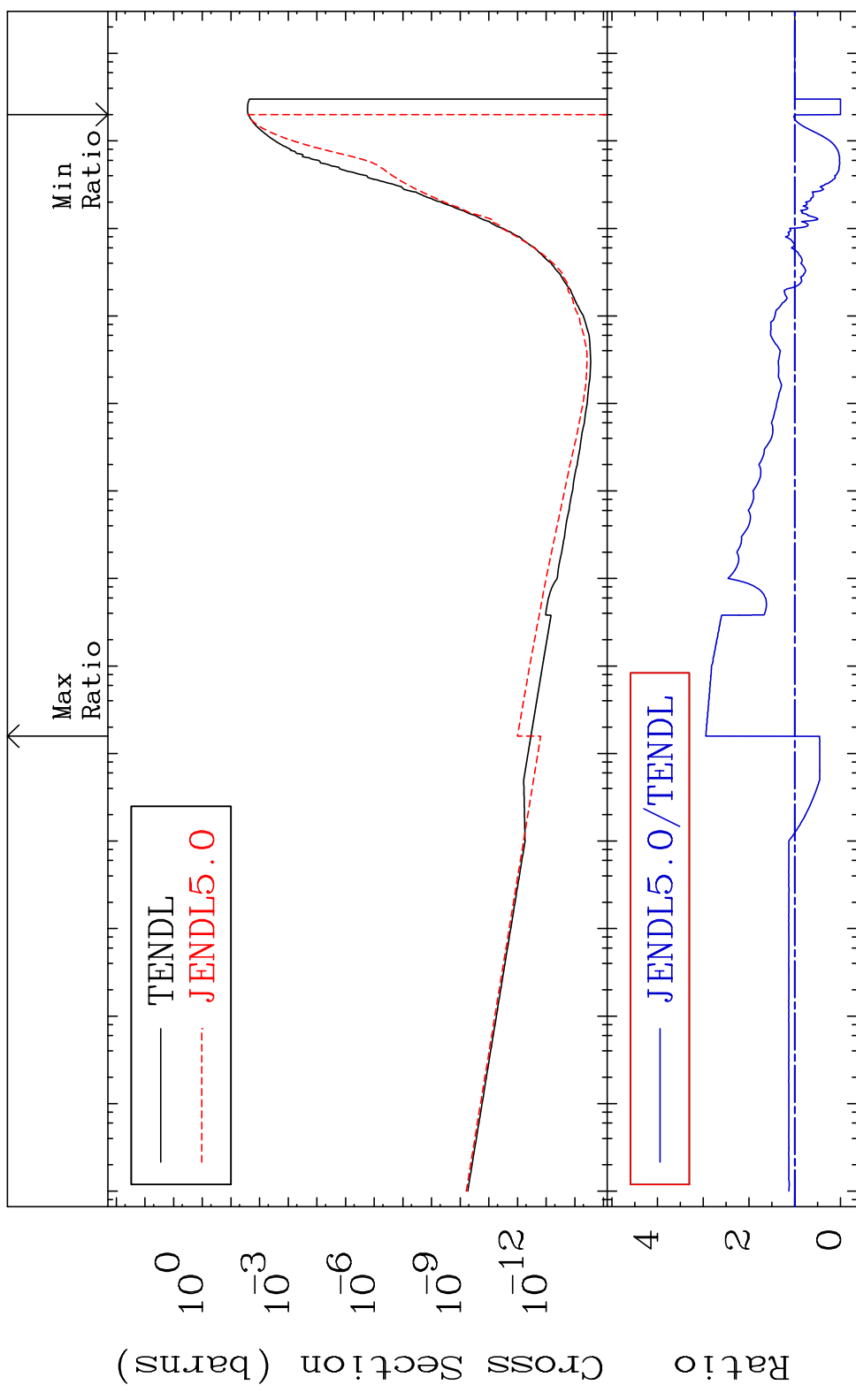


MAT 7728

(n, p)

77-Ir-192

Cross Section -100.0 To 194.6 %

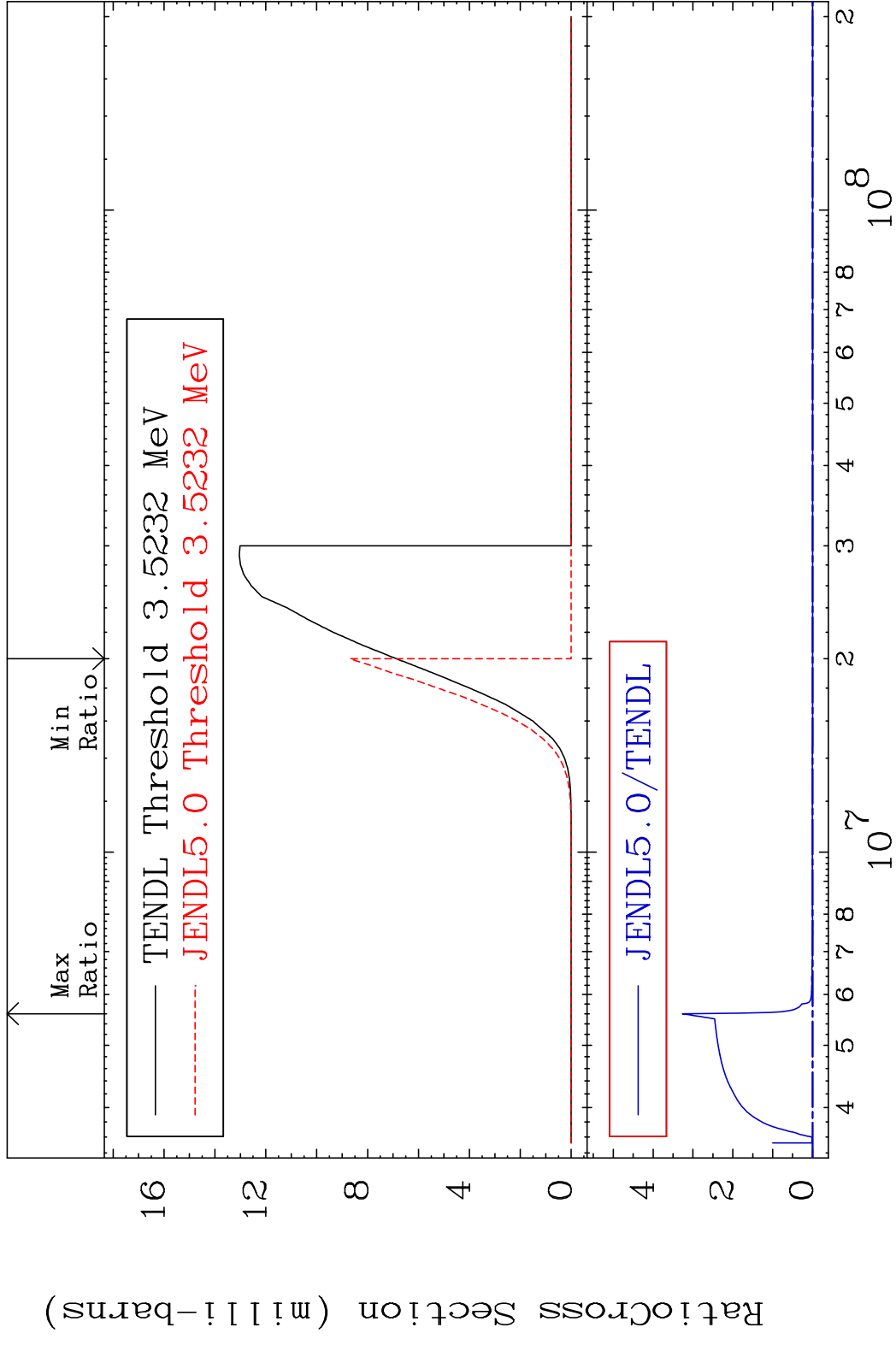


MAT 7728

(n, d)

77-Ir-192

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

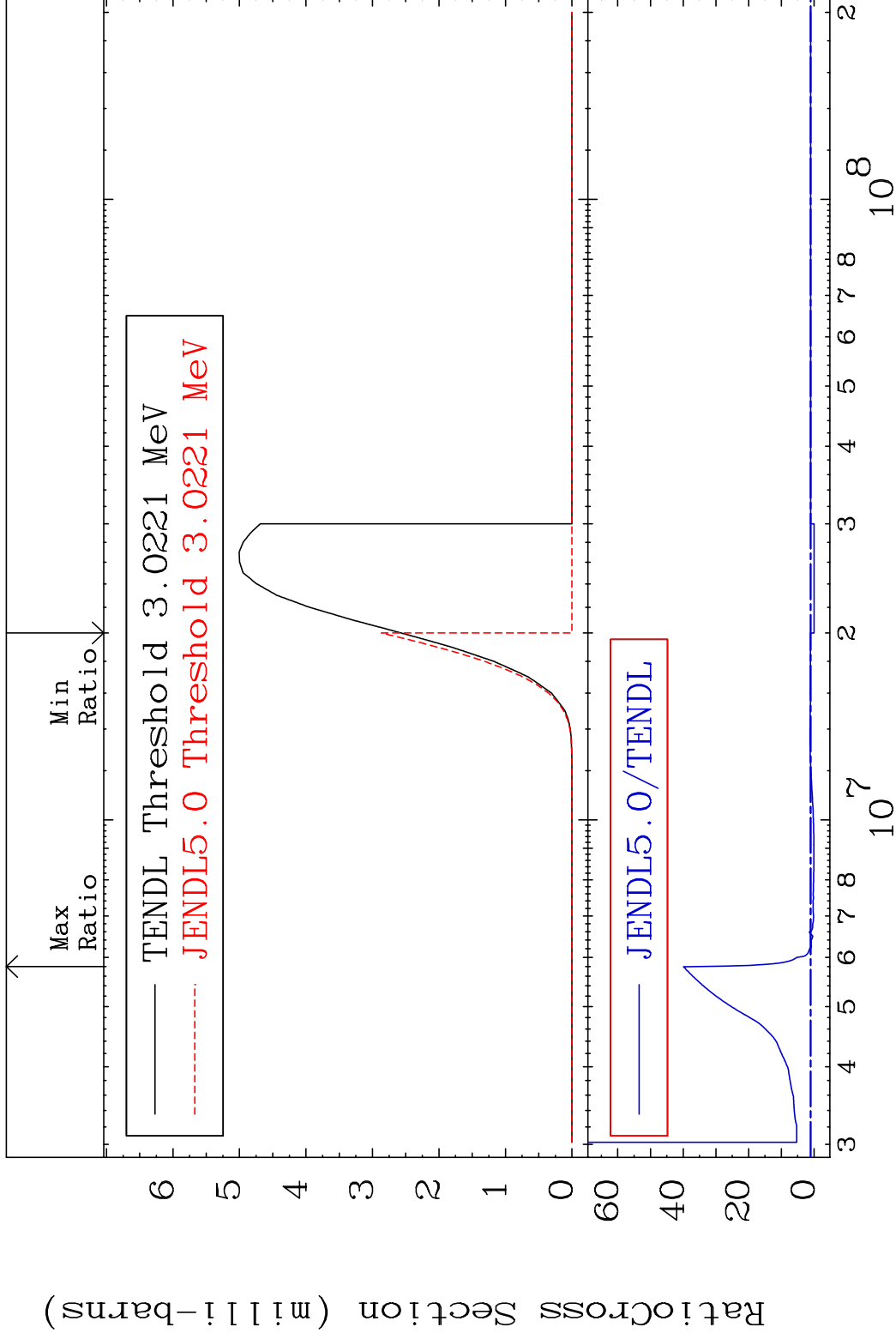
77-Ir-192

MAT 7728

(n, t)

77-Ir-192

Cross Section -100.0 To 3891. %



46

Incident Energy (eV)

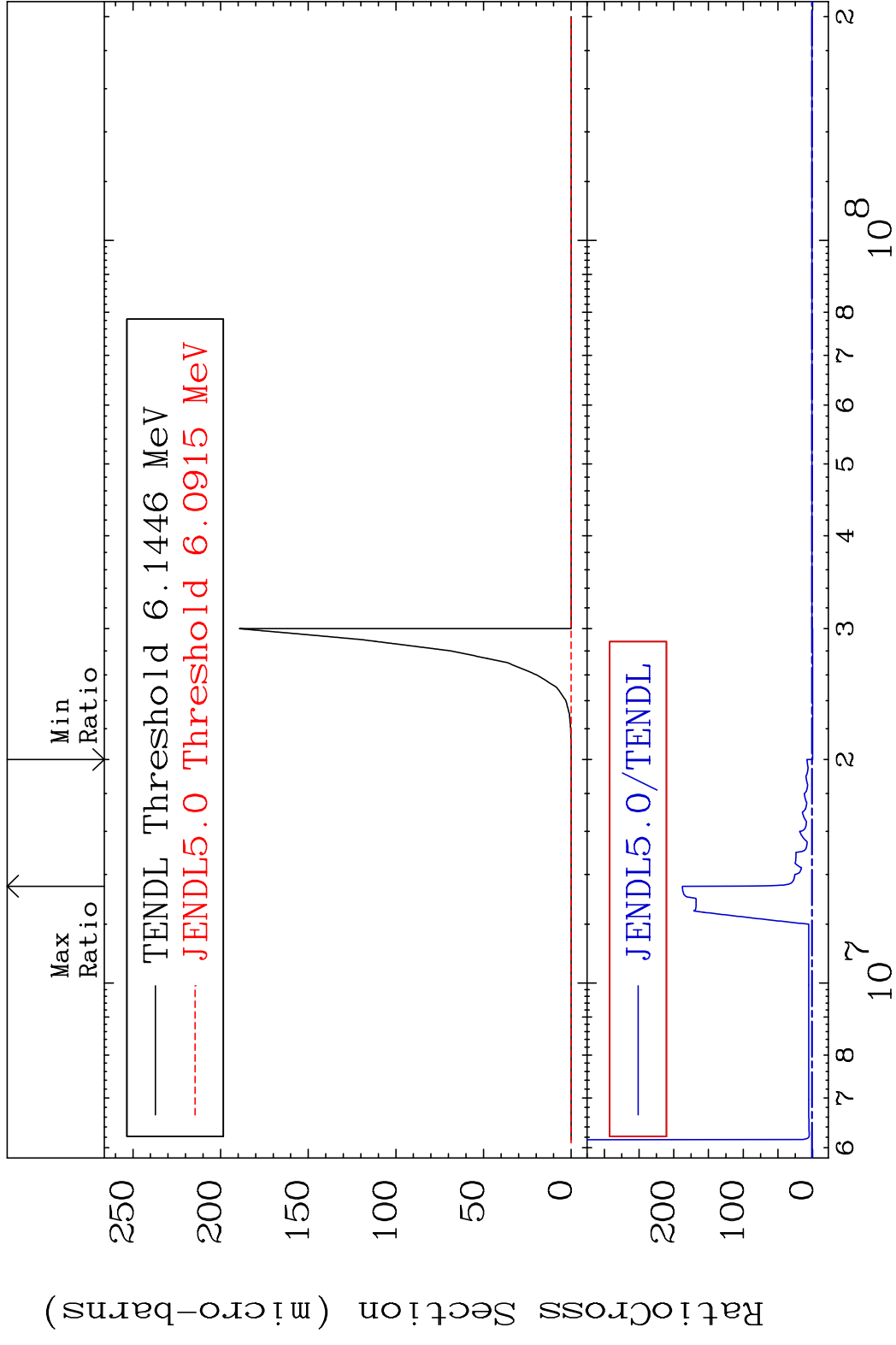
77-Ir-192

MAT 7728

(n, He-3)

77-Ir-192

Cross Section -100.0 To 9999. %

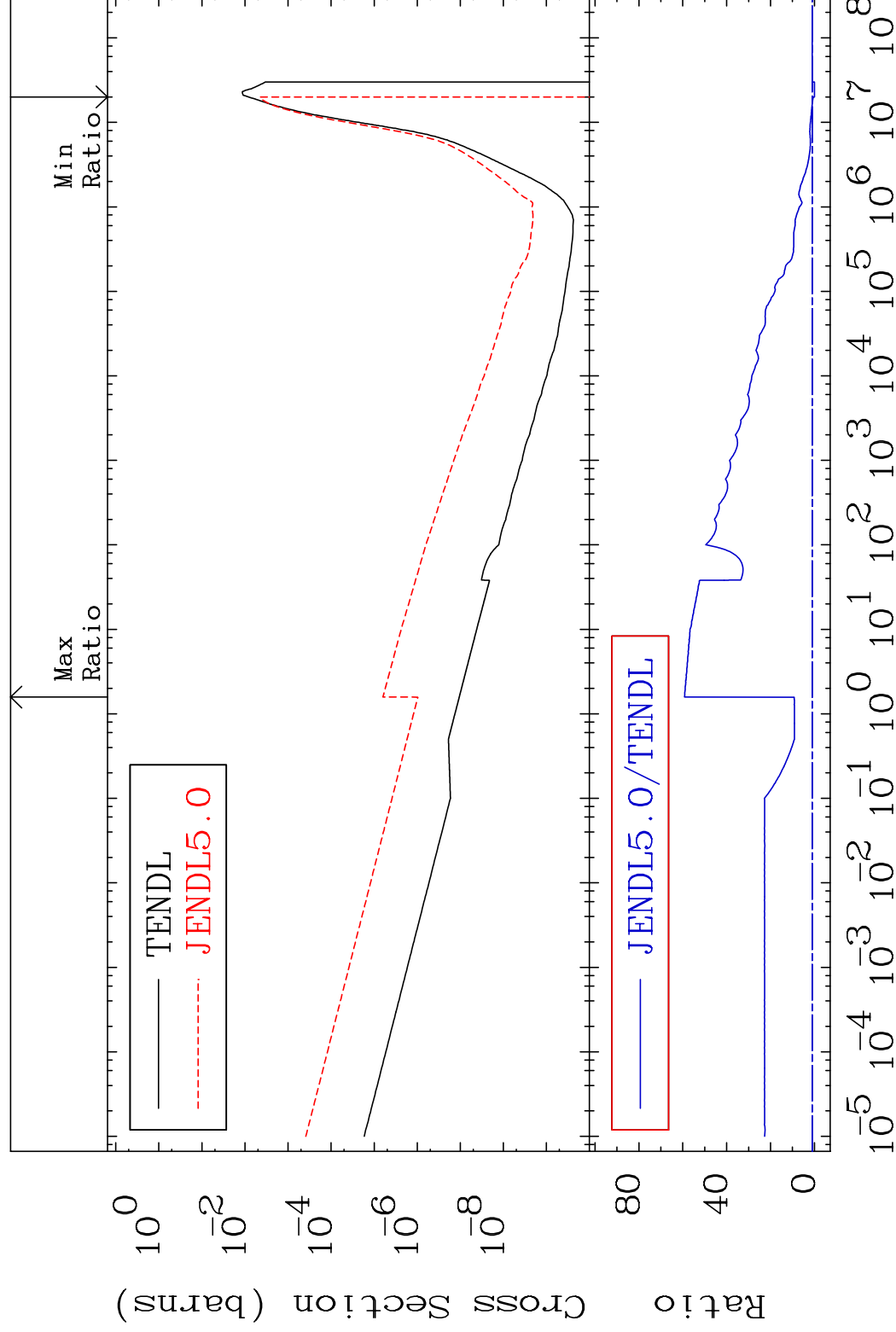


MAT 7728

(n, α)

77-Ir-192

Cross Section -100.0 To 5823. %



48

Incident Energy (eV)

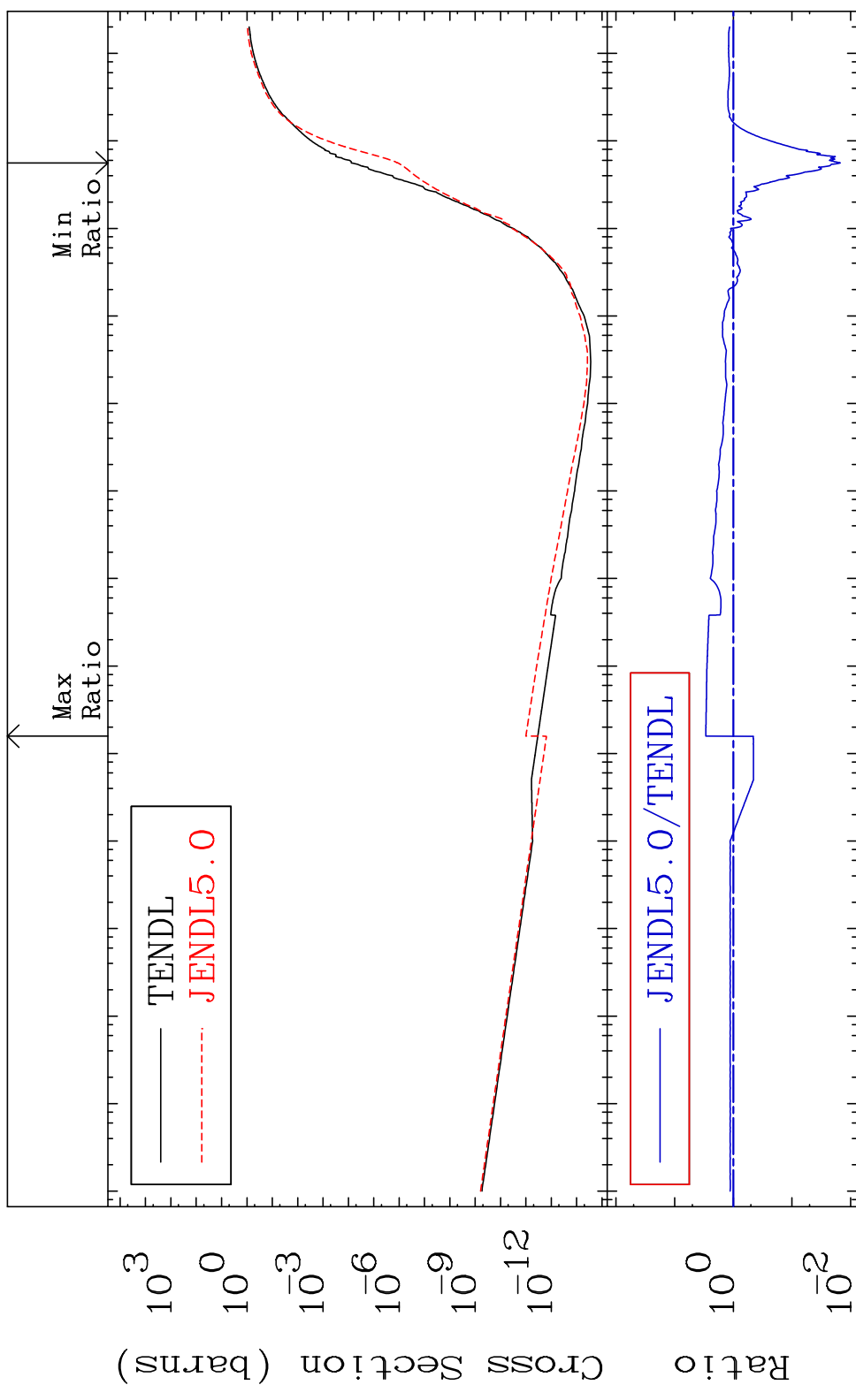
77-Ir-192

MAT 7728

Hydrogen Production

77-Ir-192

Cross Section -98.51 To 194.6 %



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

49

Incident Energy (eV)

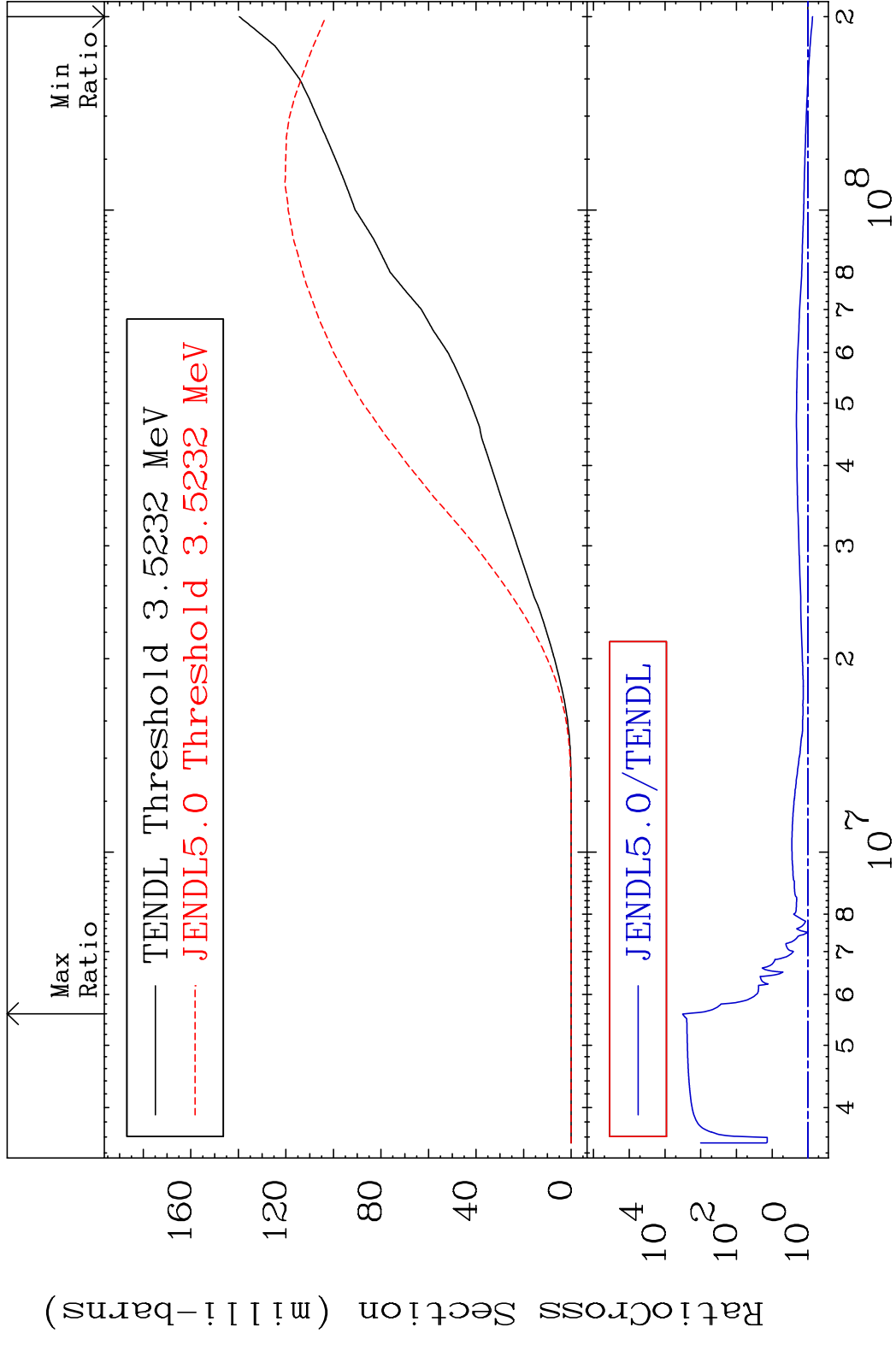
77-Ir-192

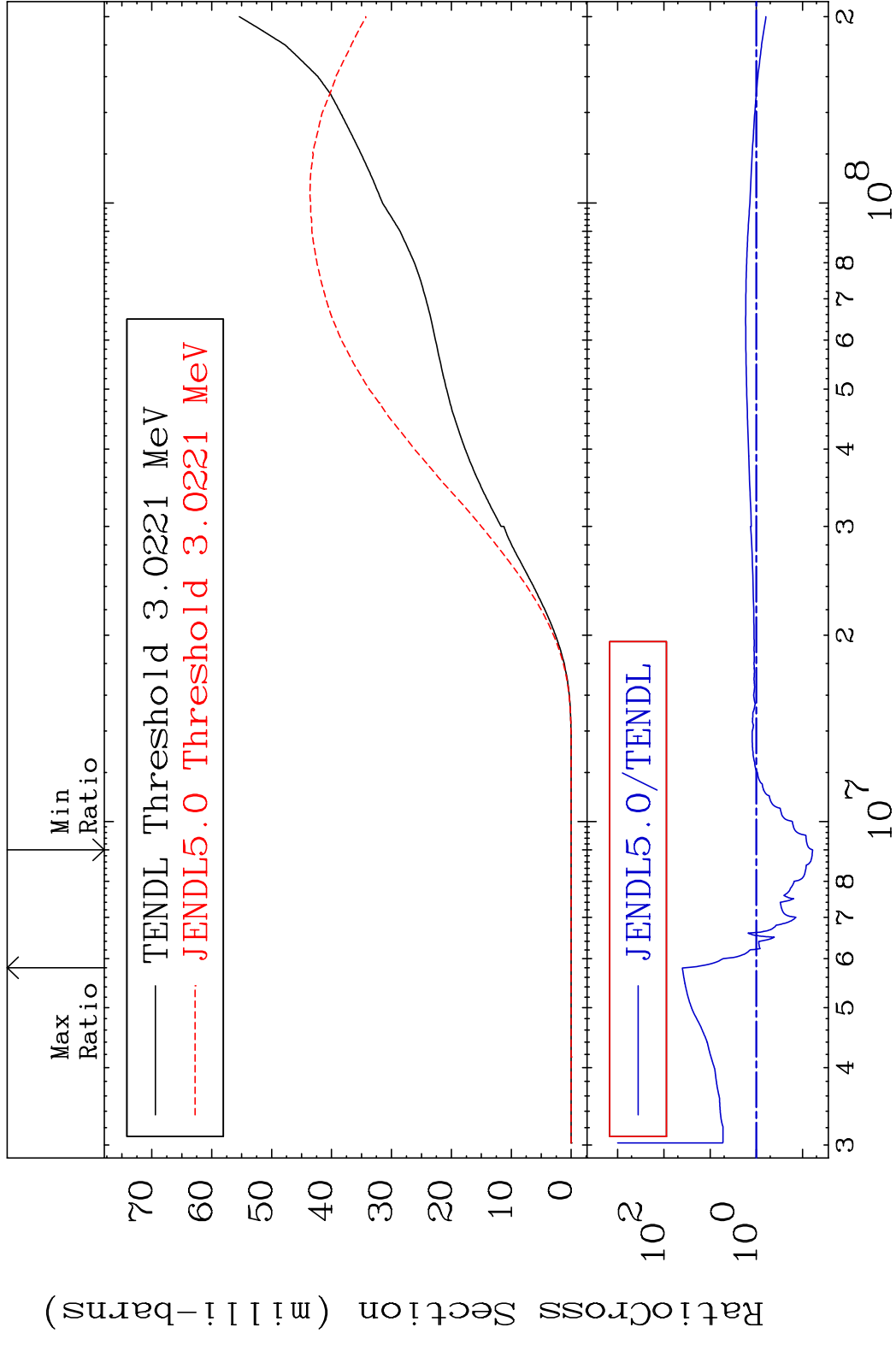
MAT 7728

Deuterium Production

77-Ir-192

Cross Section -26.02 To 9999. %



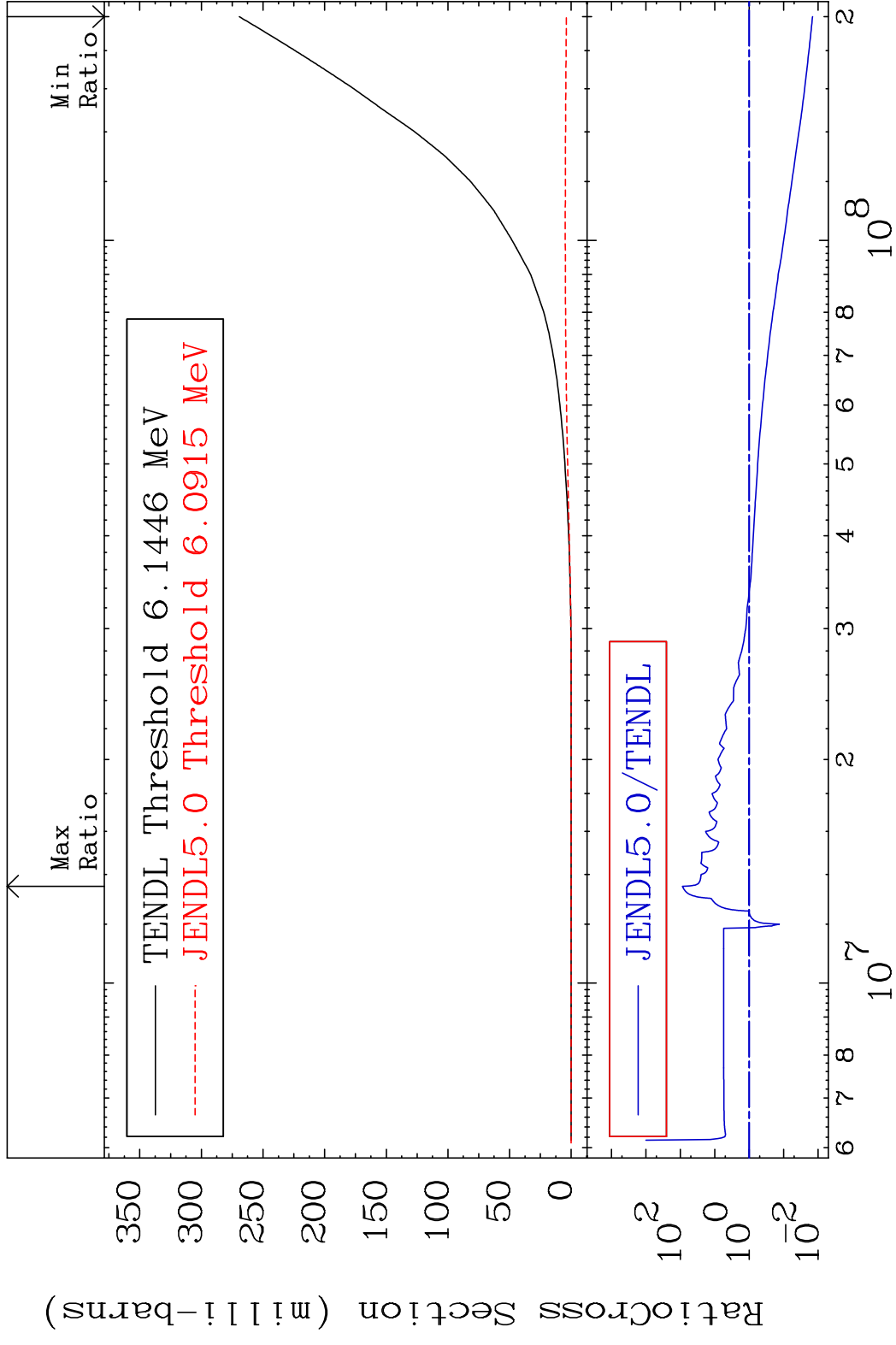


MAT 7728

He-3 Production

77-Ir-192

Cross Section -98.55 To 8666. %

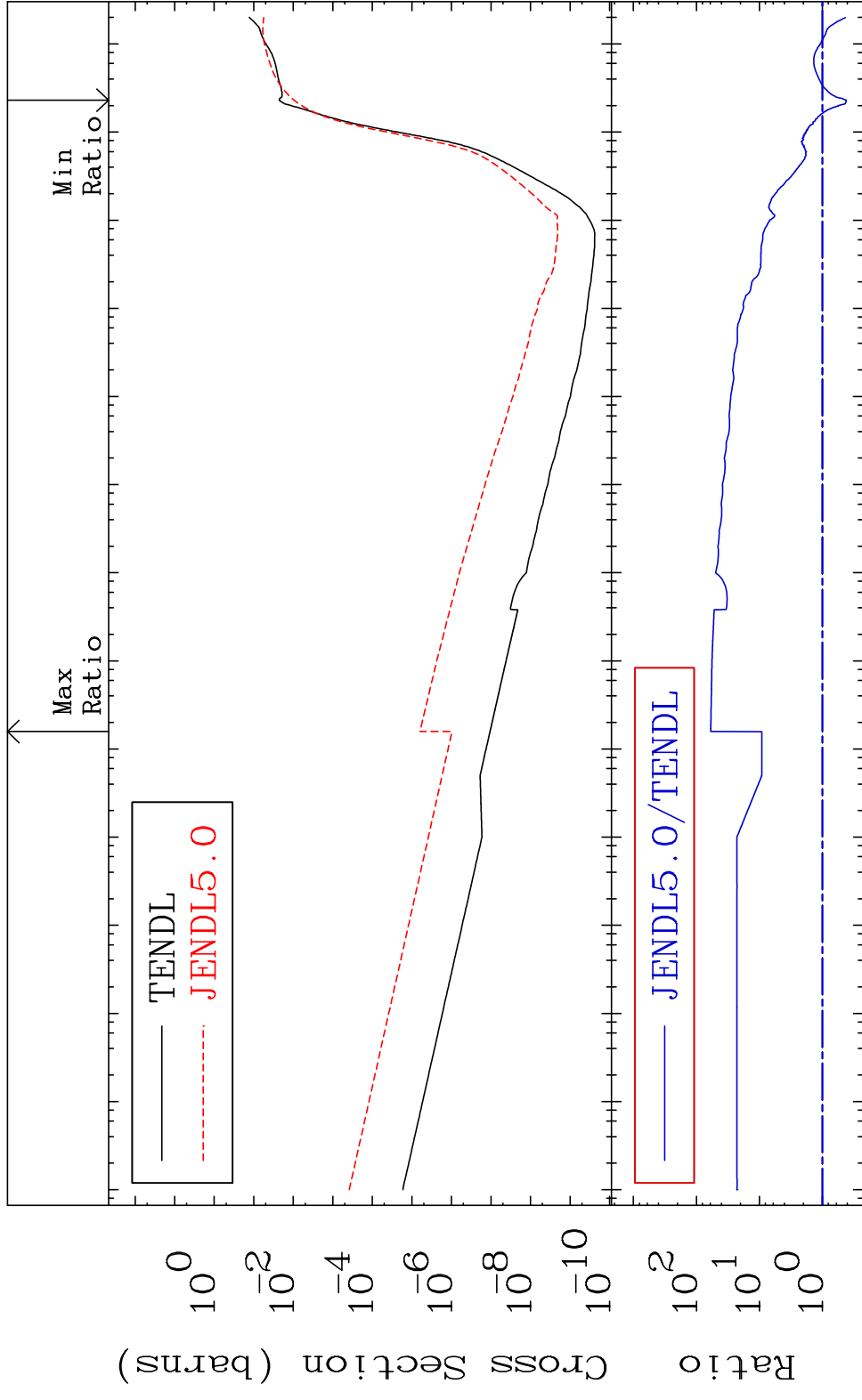


MAT 7728

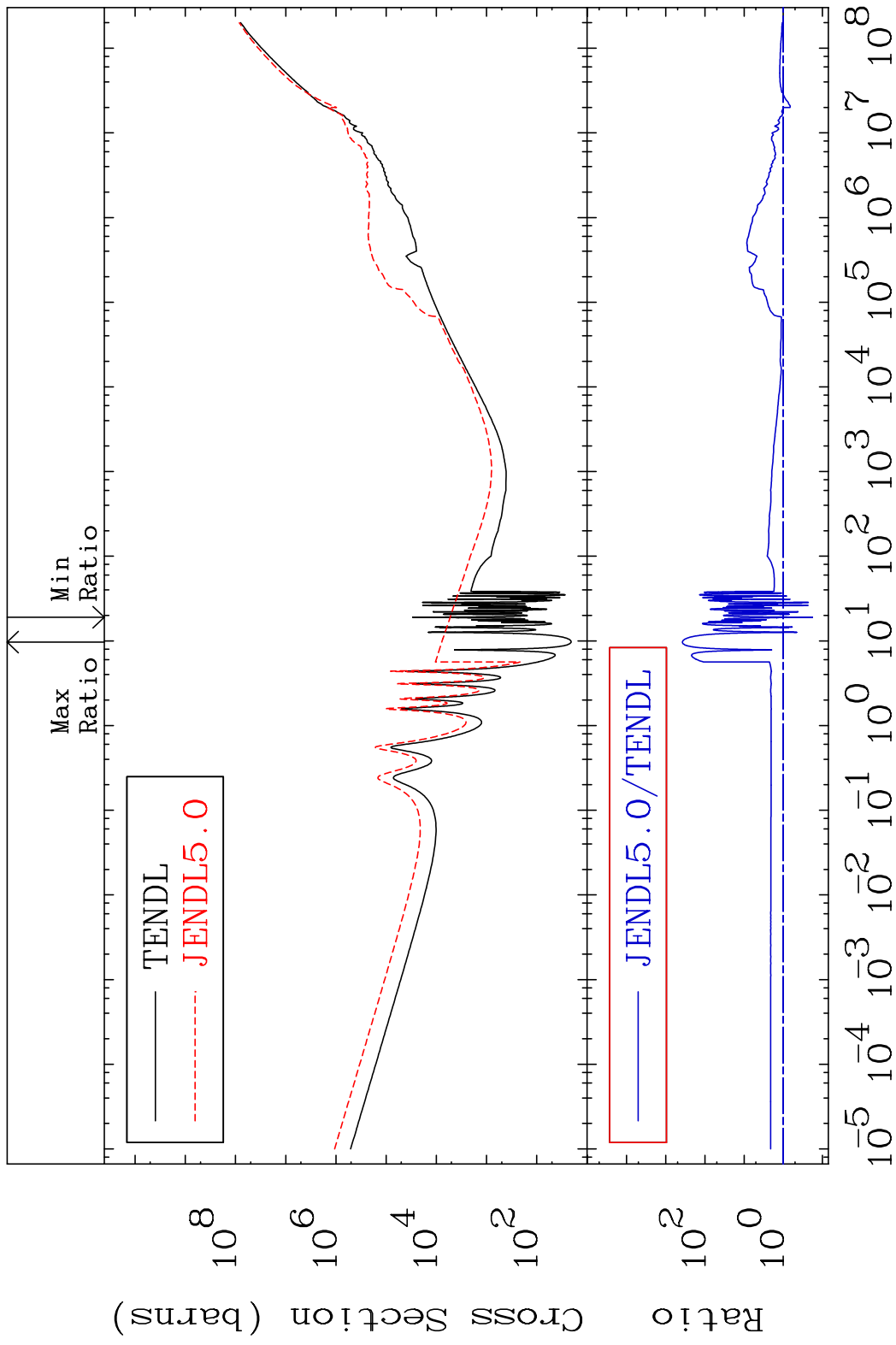
He-4 Production

77-Ir-192

Cross Section -58.41 To 5823. %



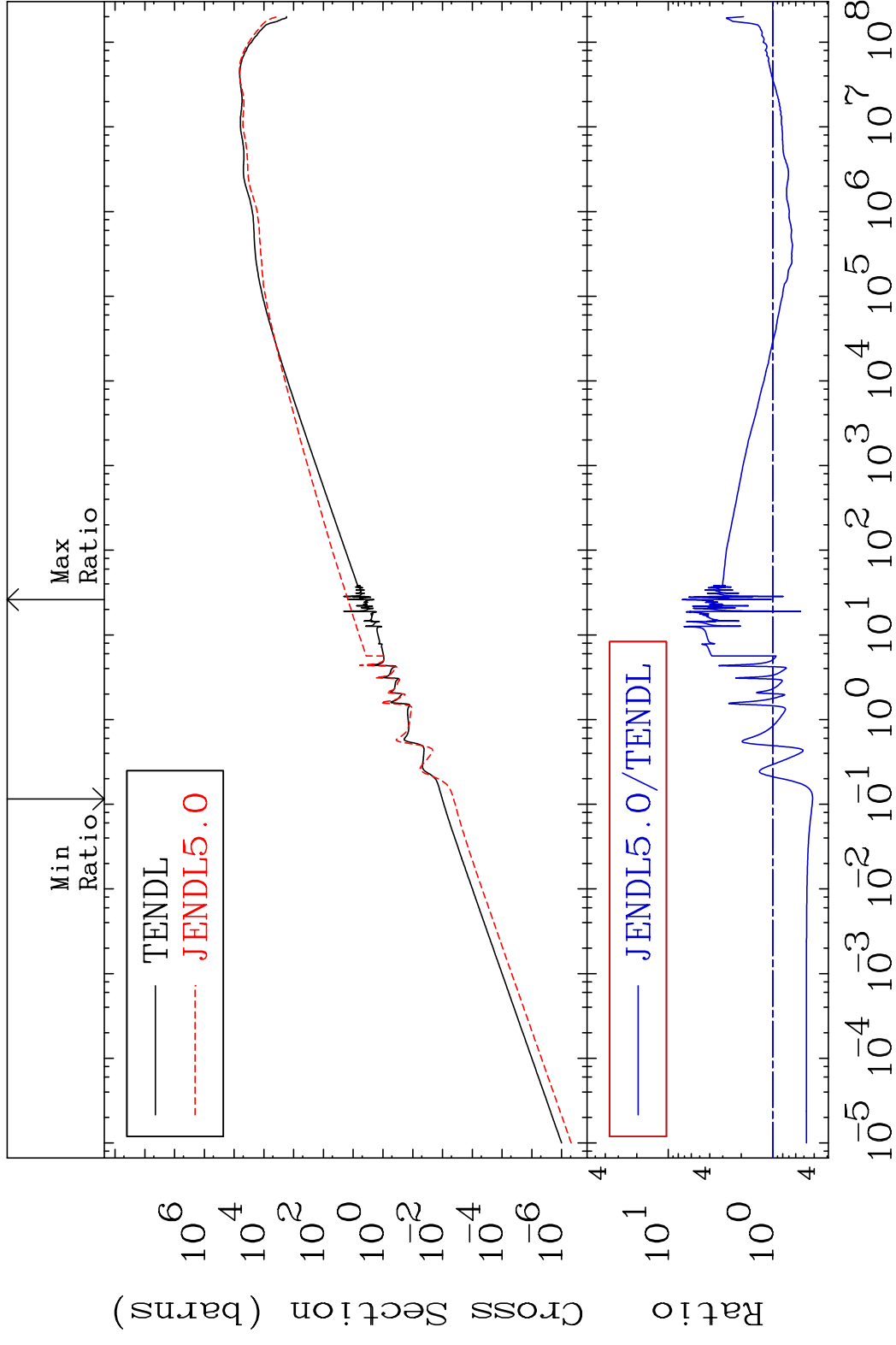
MAT 7728 Kerma total (eV-barns) 77-Ir-192
 Cross Section -82.15 To 9999. %



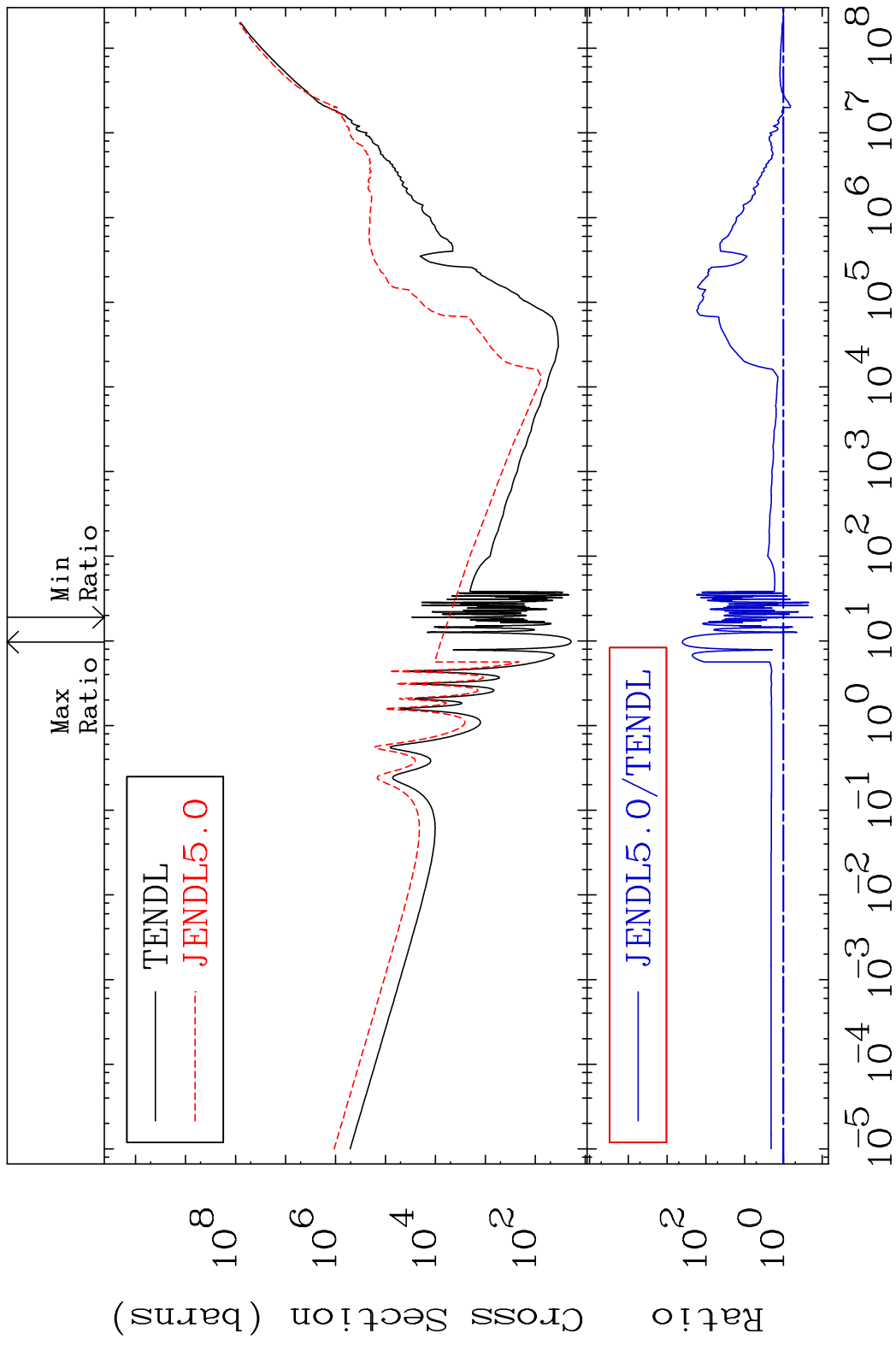
MAT 7728

Kerma elastic
Cross Section

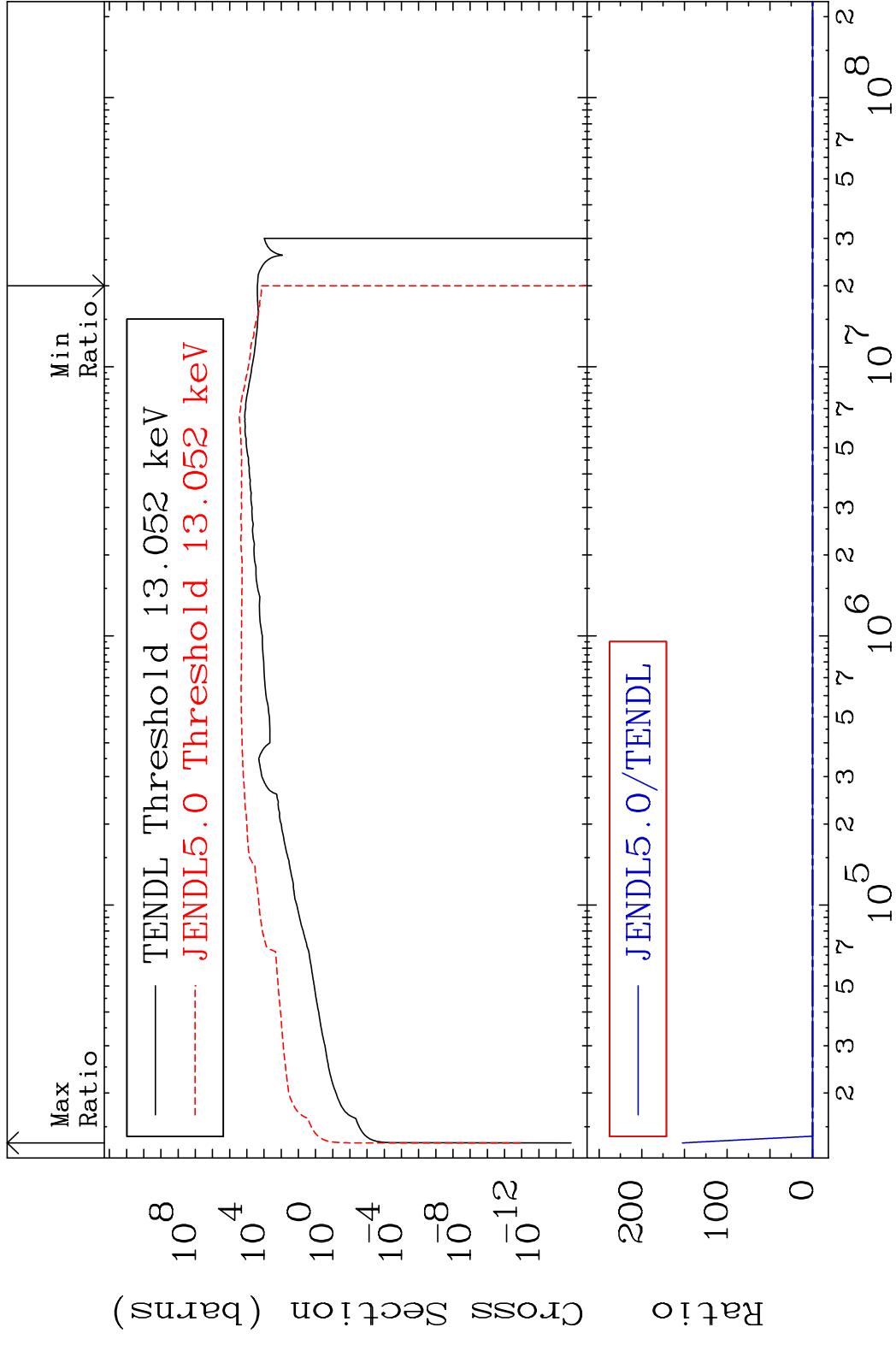
77-Ir-192
-58.55 To 631.5 %



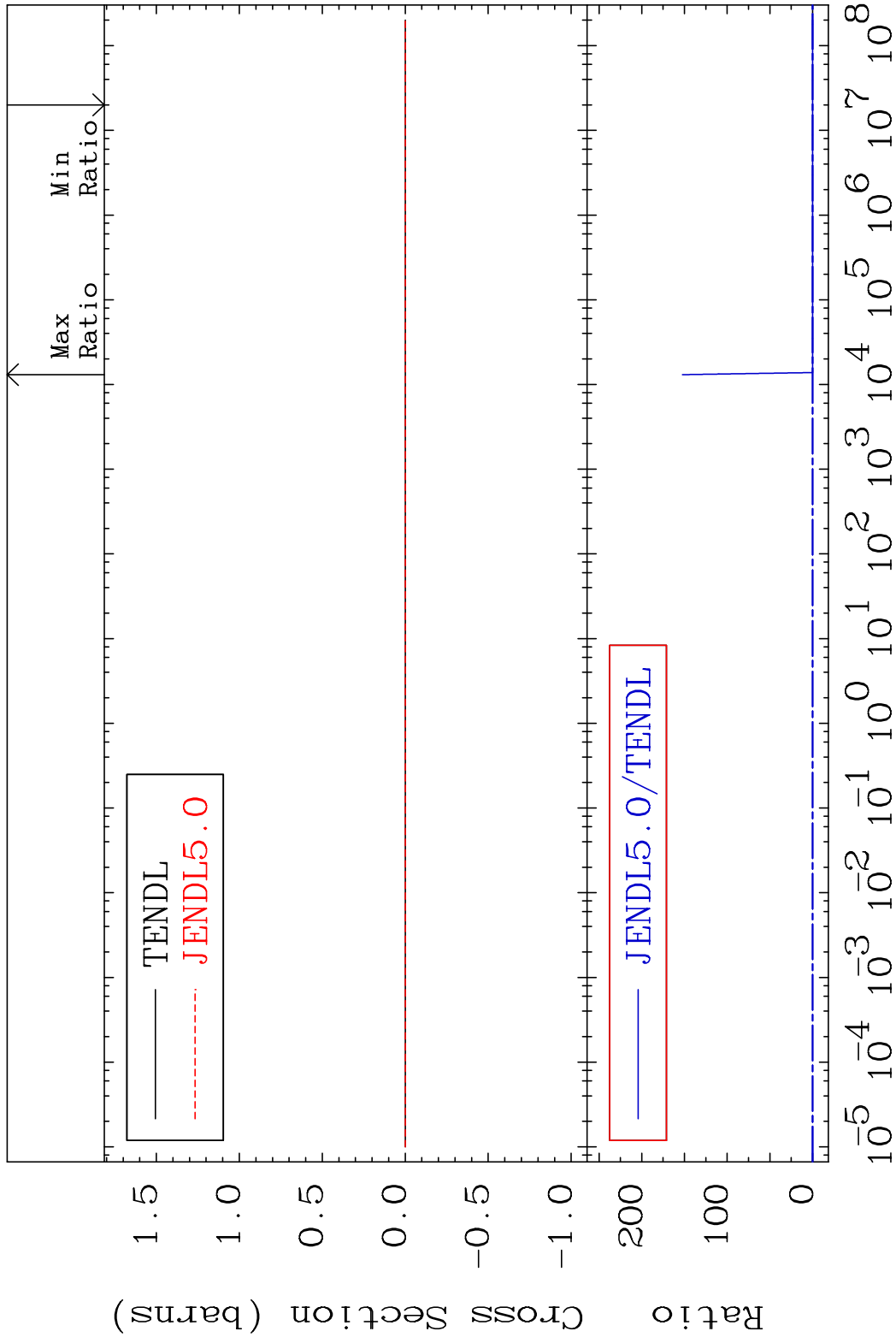
MAT 7728 Kerma non-elastic (all but mt2) 77-Ir-192
 Cross Section -82.18 To 9999. %



MAT 7728 Kerma inelastic (mt51-91) 77-Ir-192
 Cross Section -100.0 To 9999. %



MAT 7728 Kerma fission (mt18 or mt19-20-21-38)77-Ir-192
 Cross Section -100.0 To 9999. %

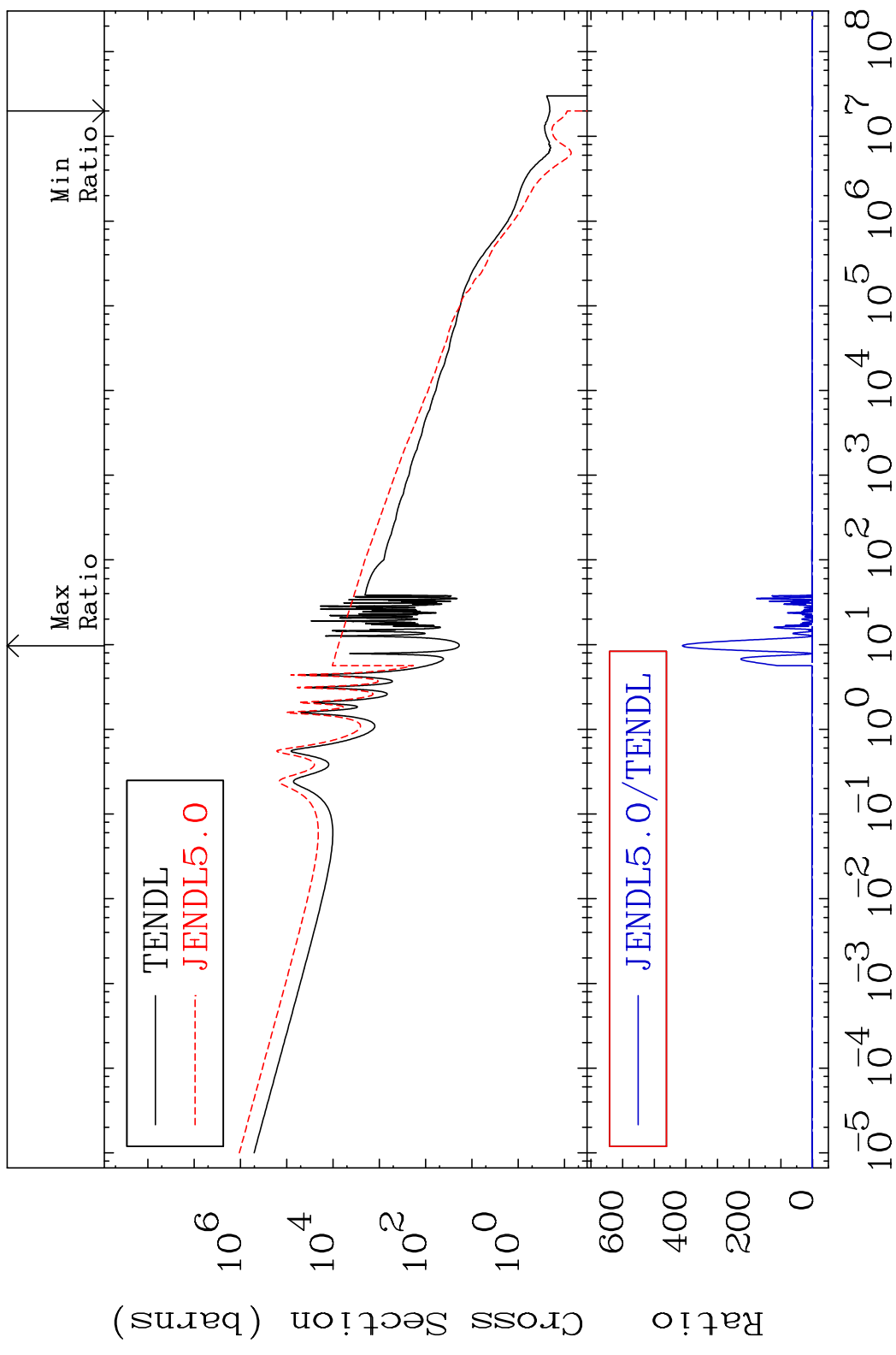


MAT 7728

Kerma capture (mt102)

77-Ir-192

Cross Section -100.0 To 9999. %



59

Incident Energy (eV)

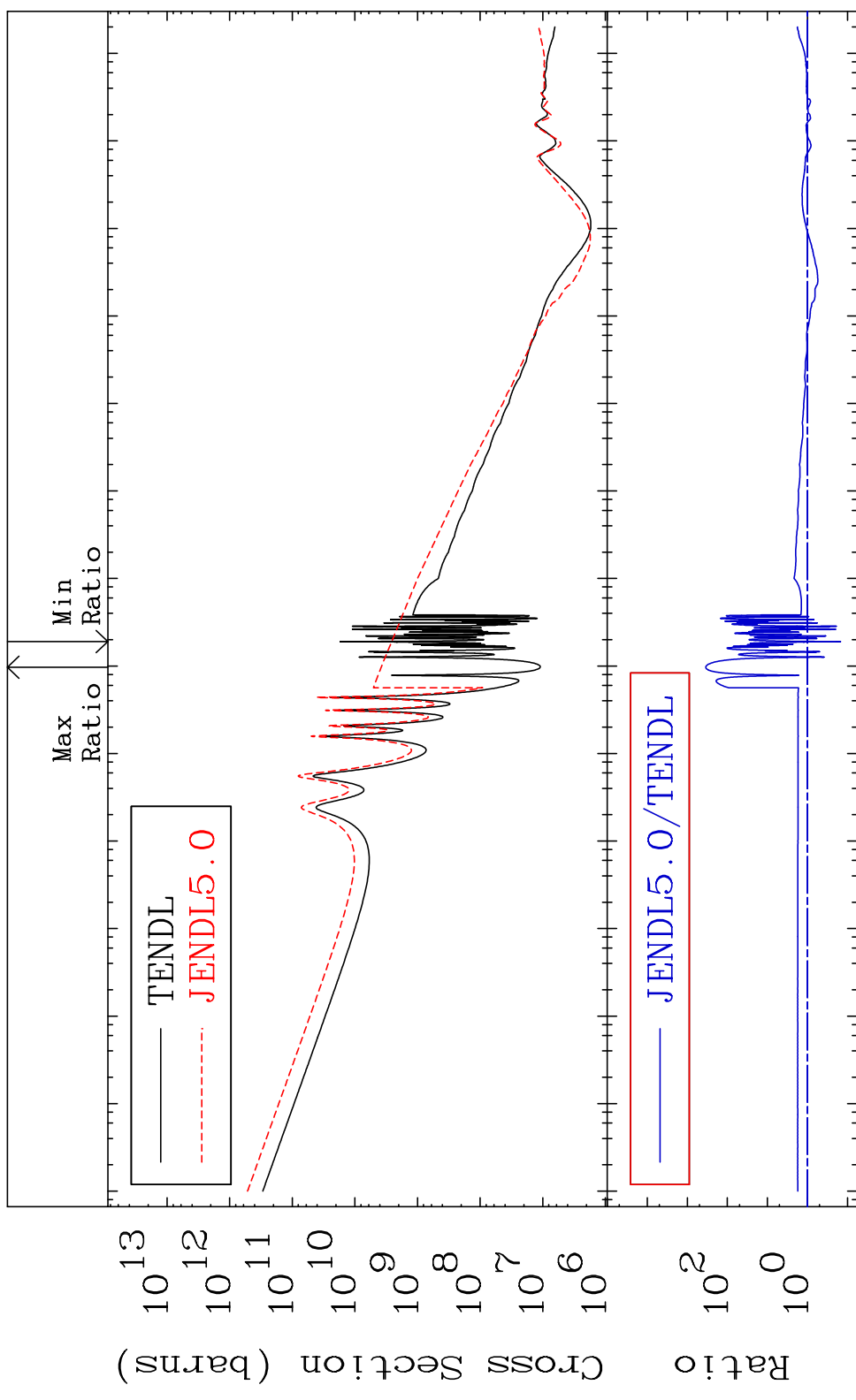
77-Ir-192

MAT 7728

Total photon (eV-barns)

77-Ir-192

Cross Section -85.01 To 9999. %

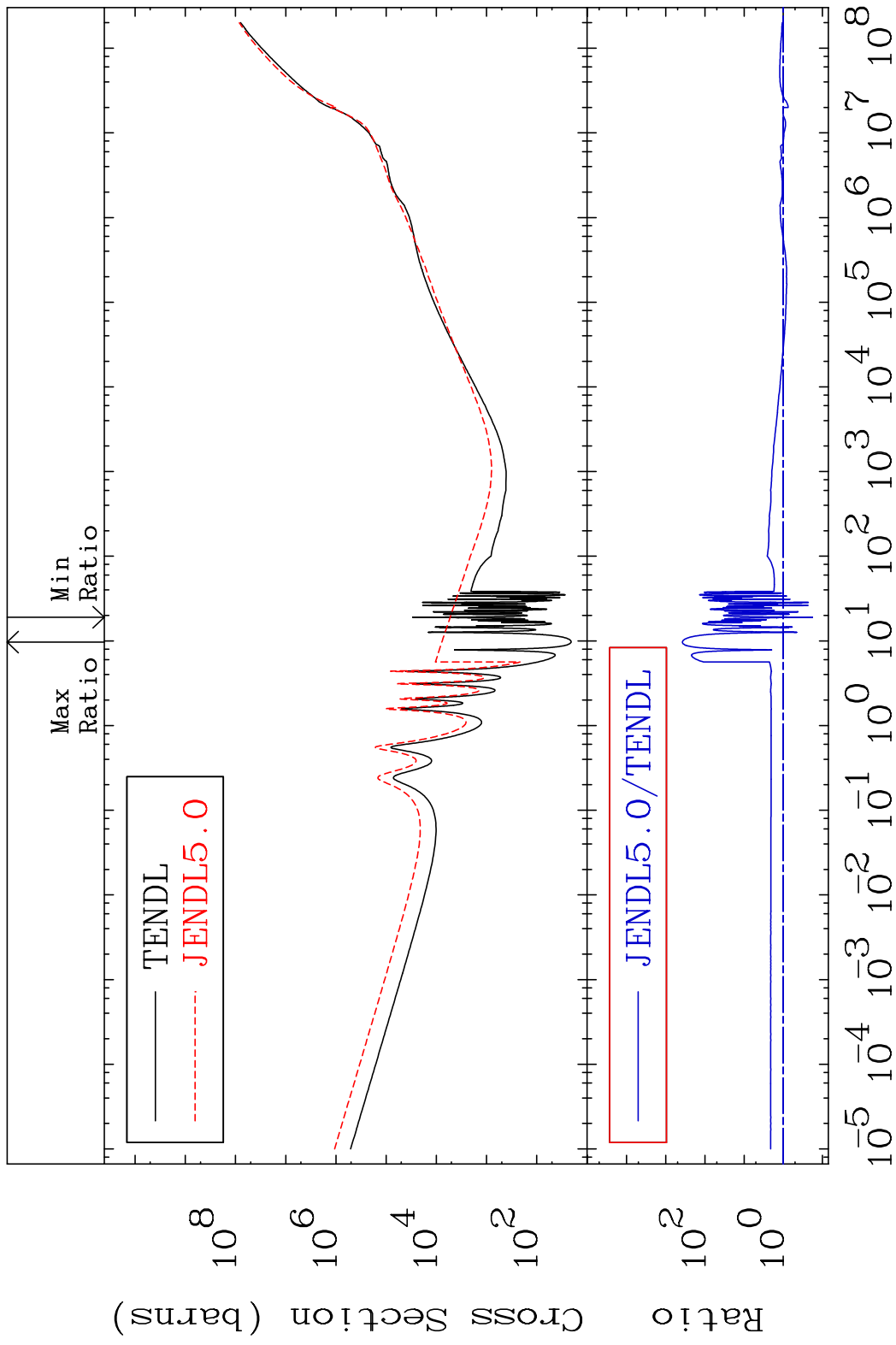


60

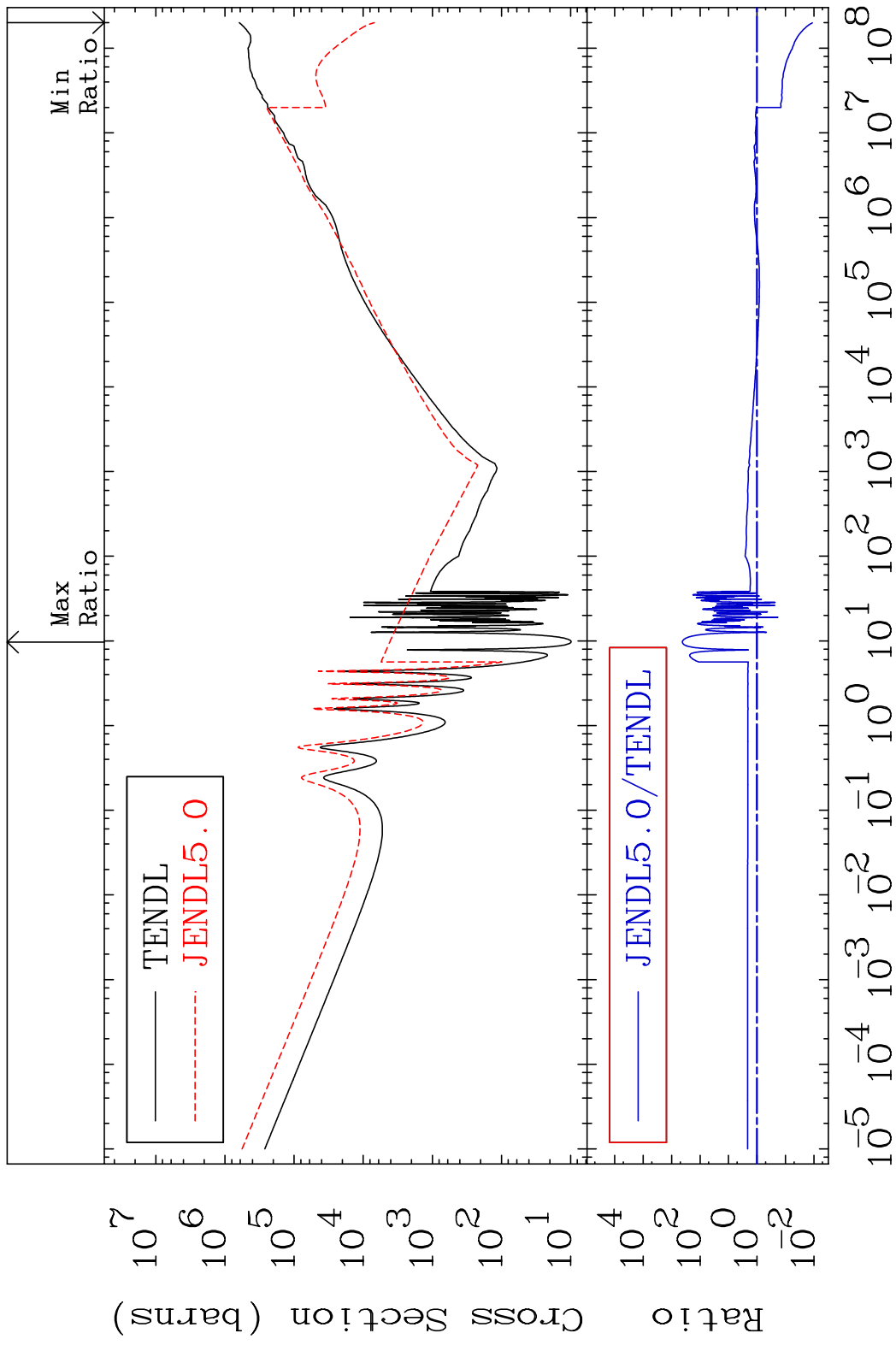
Incident Energy (eV)

77-Ir-192

MAT 7728 Total kinematic kerma (high limit) 77-Ir-192
 Cross Section -82.15 To 9999. %



MAT 7728 Dpa total (eV-barns) 77-Ir-192
 Cross Section -98.88 To 9999. %

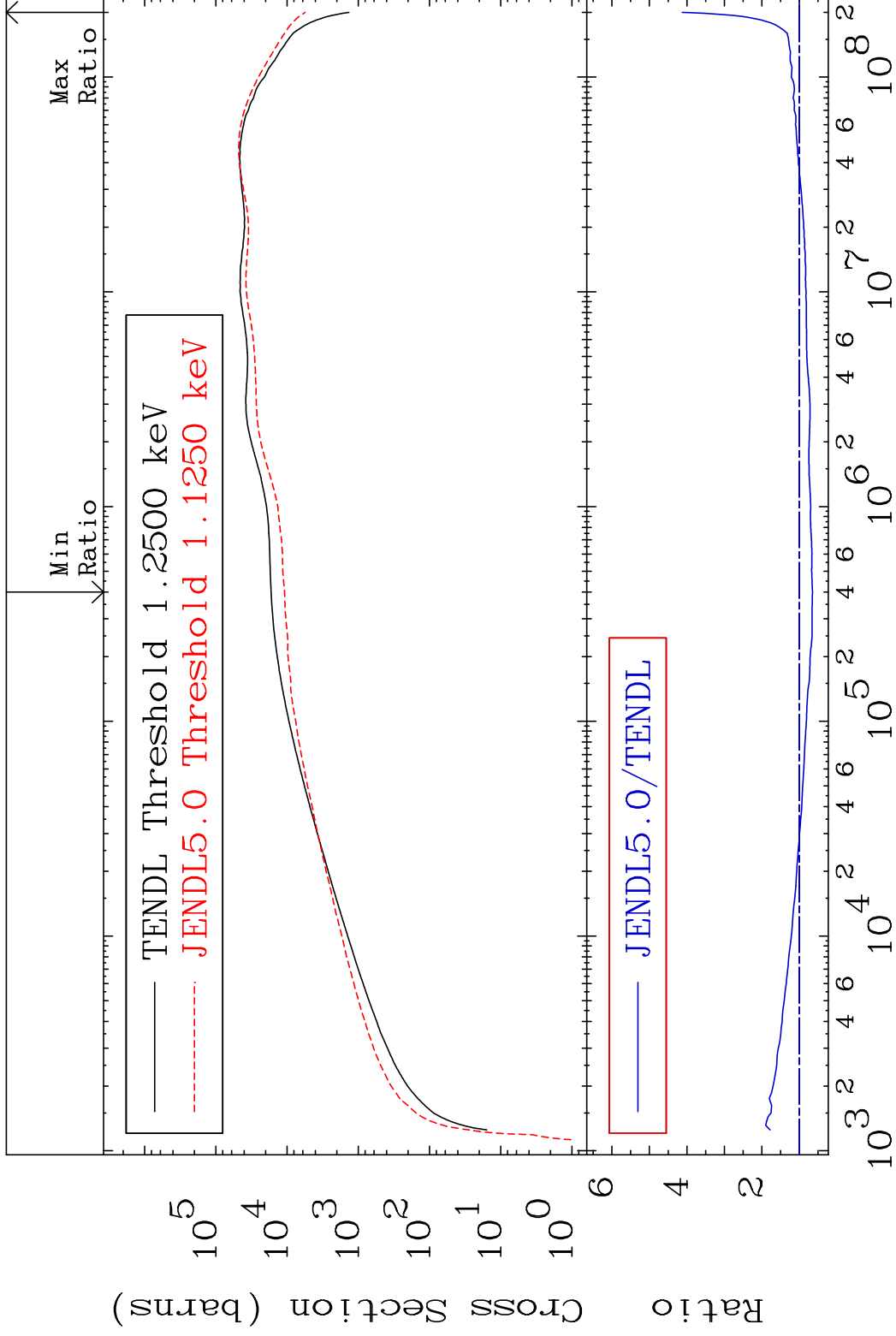


MAT 7728

Dpa elastic (mt2)

77-Ir-192

Cross Section -35.48 To 312.6 %

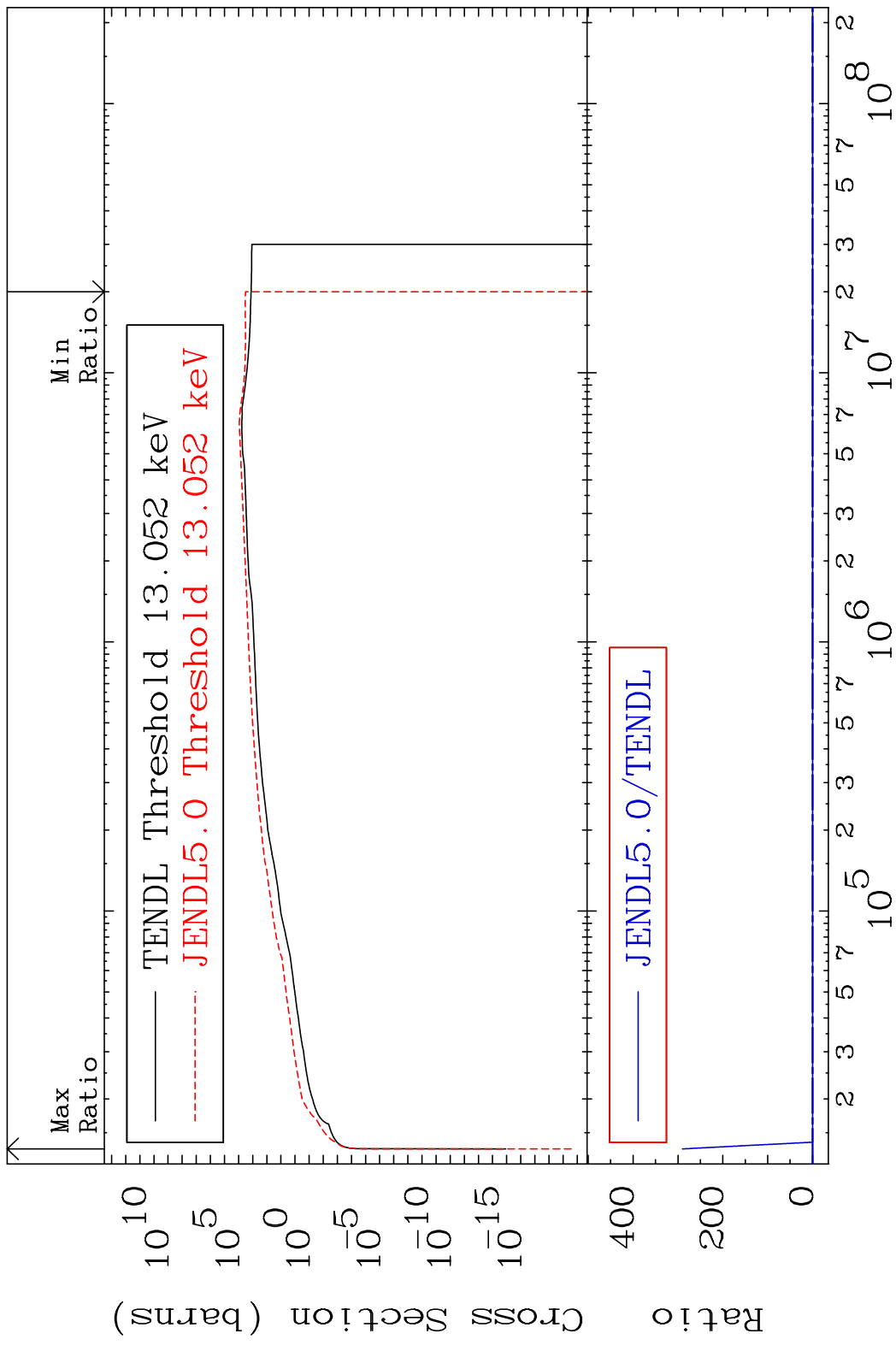


63

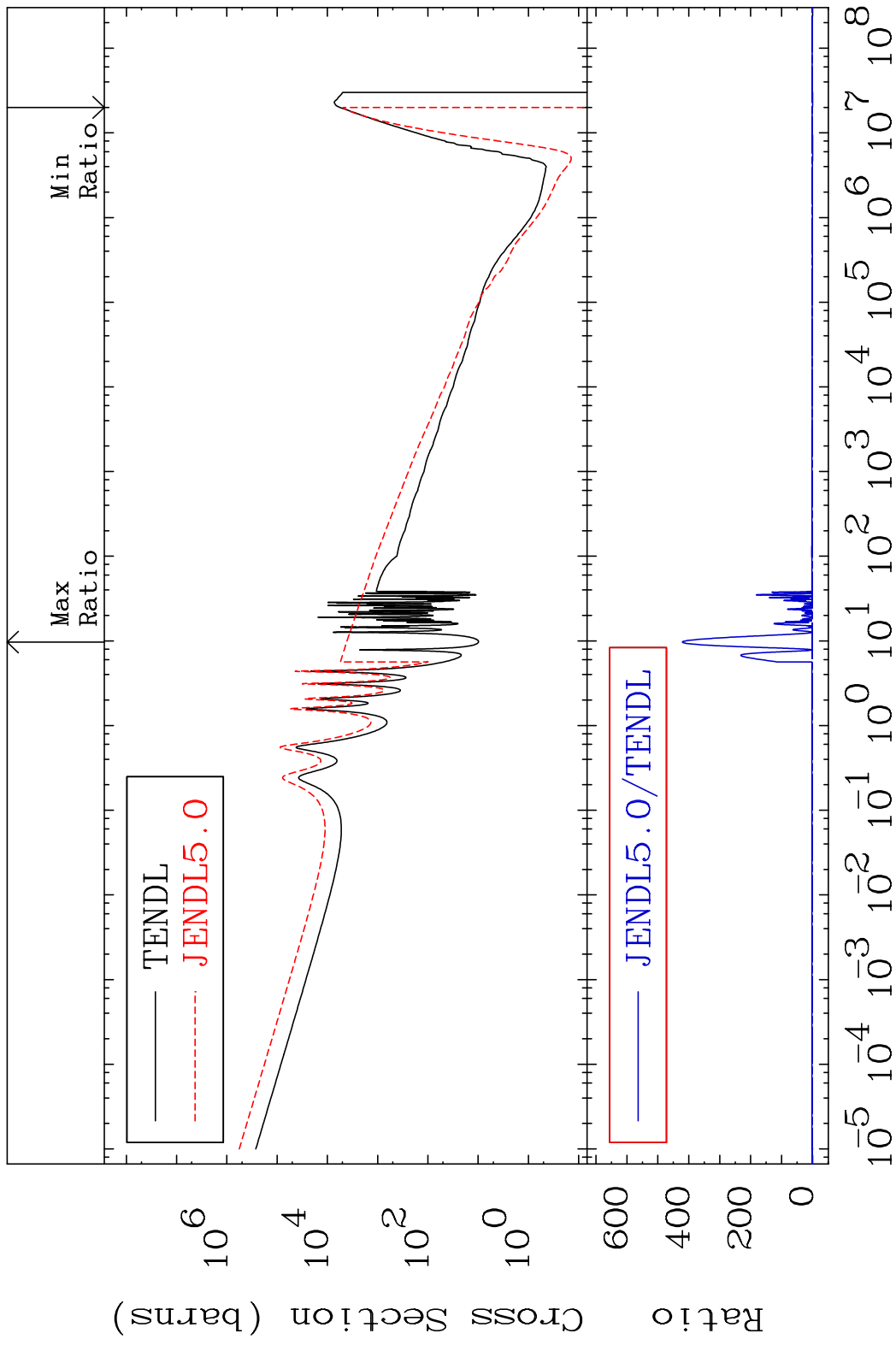
Incident Energy (eV)

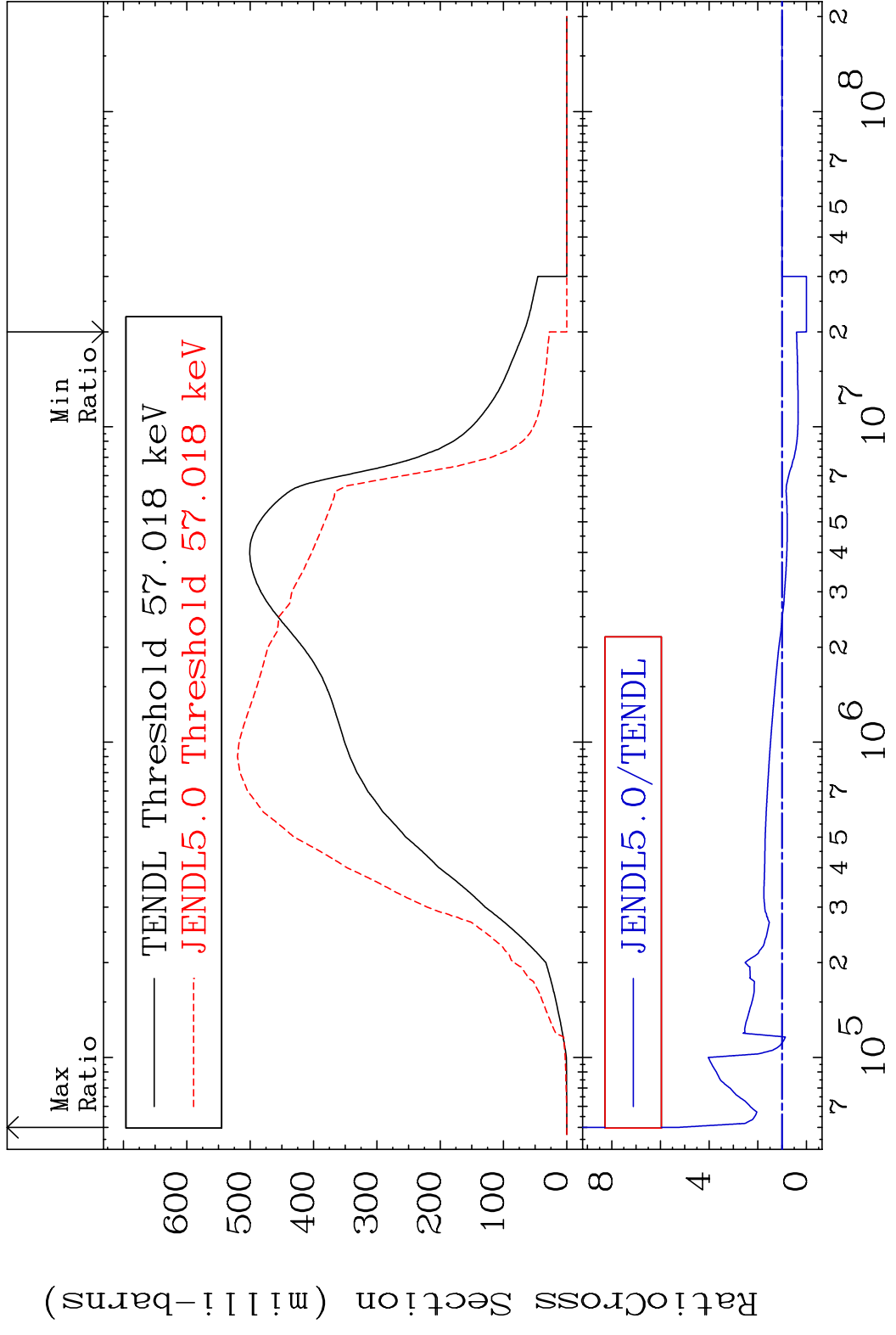
77-Ir-192

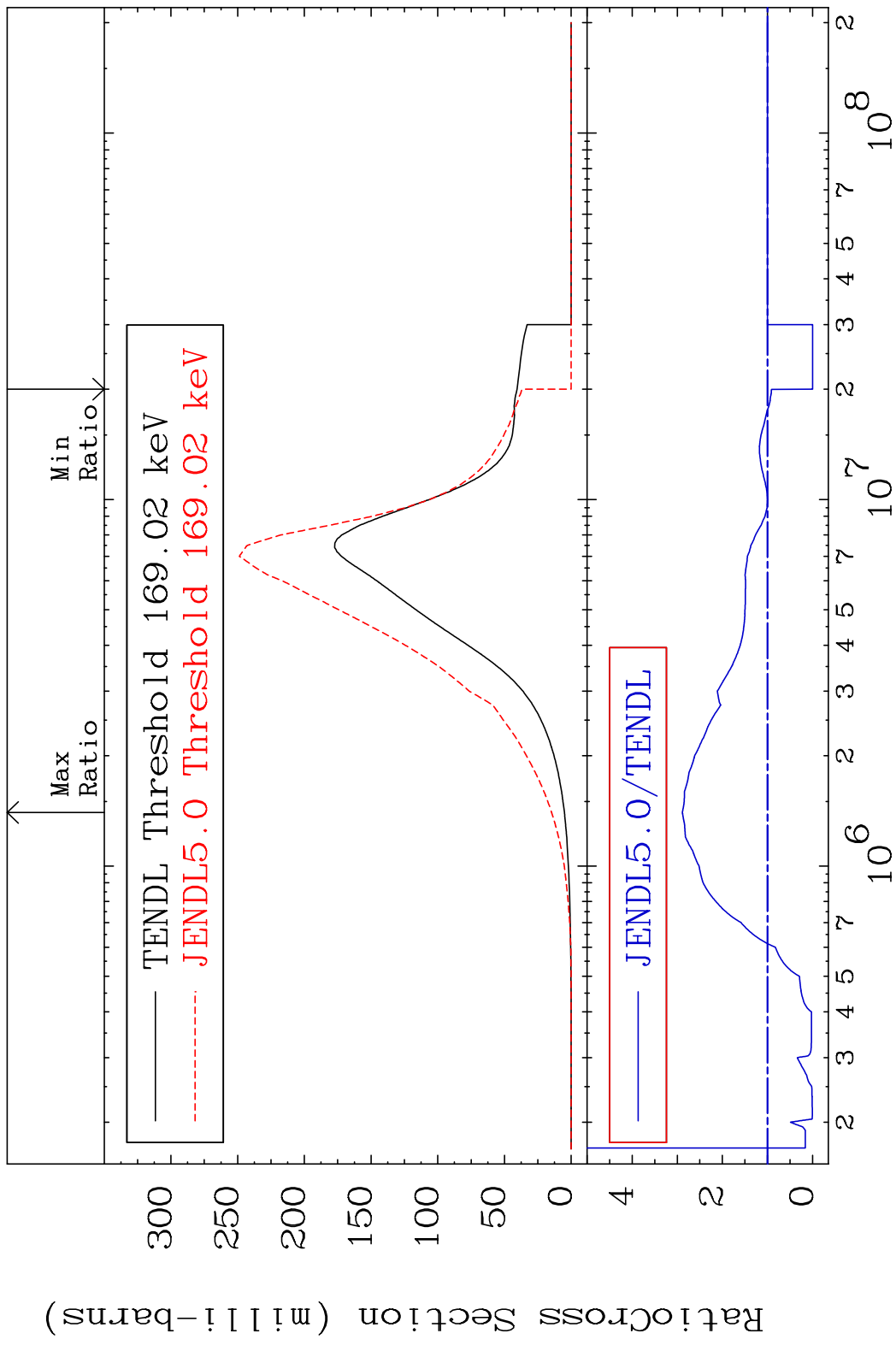
MAT 7728 Dpa inelastic (mt51-91) 77-Ir-192
 Cross Section -100.0 To 9999. %



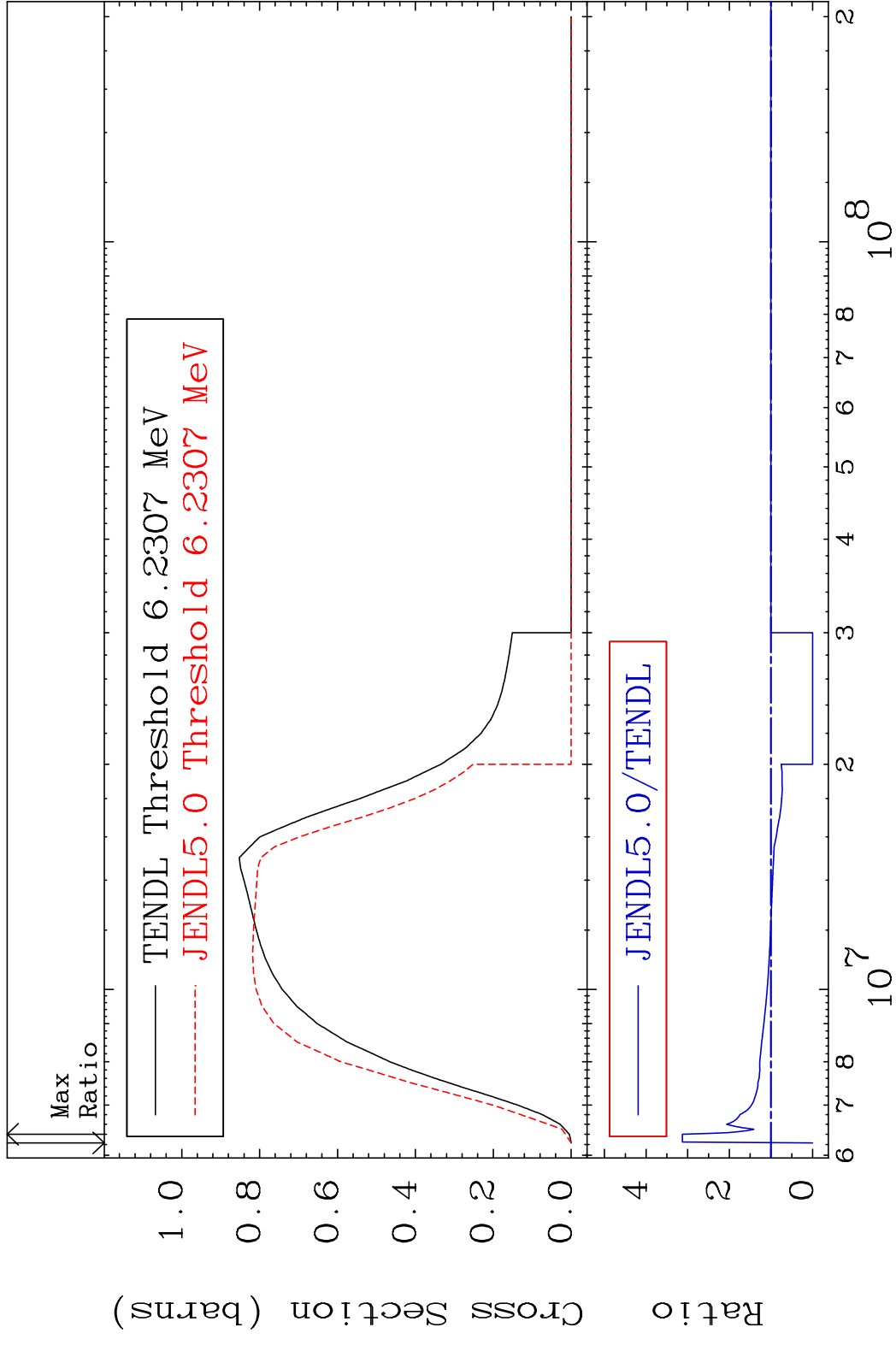
MAT 7728 Dpa disappearance (mt102 -120) 77-Ir-192
 Cross Section -100.0 To 9999. %



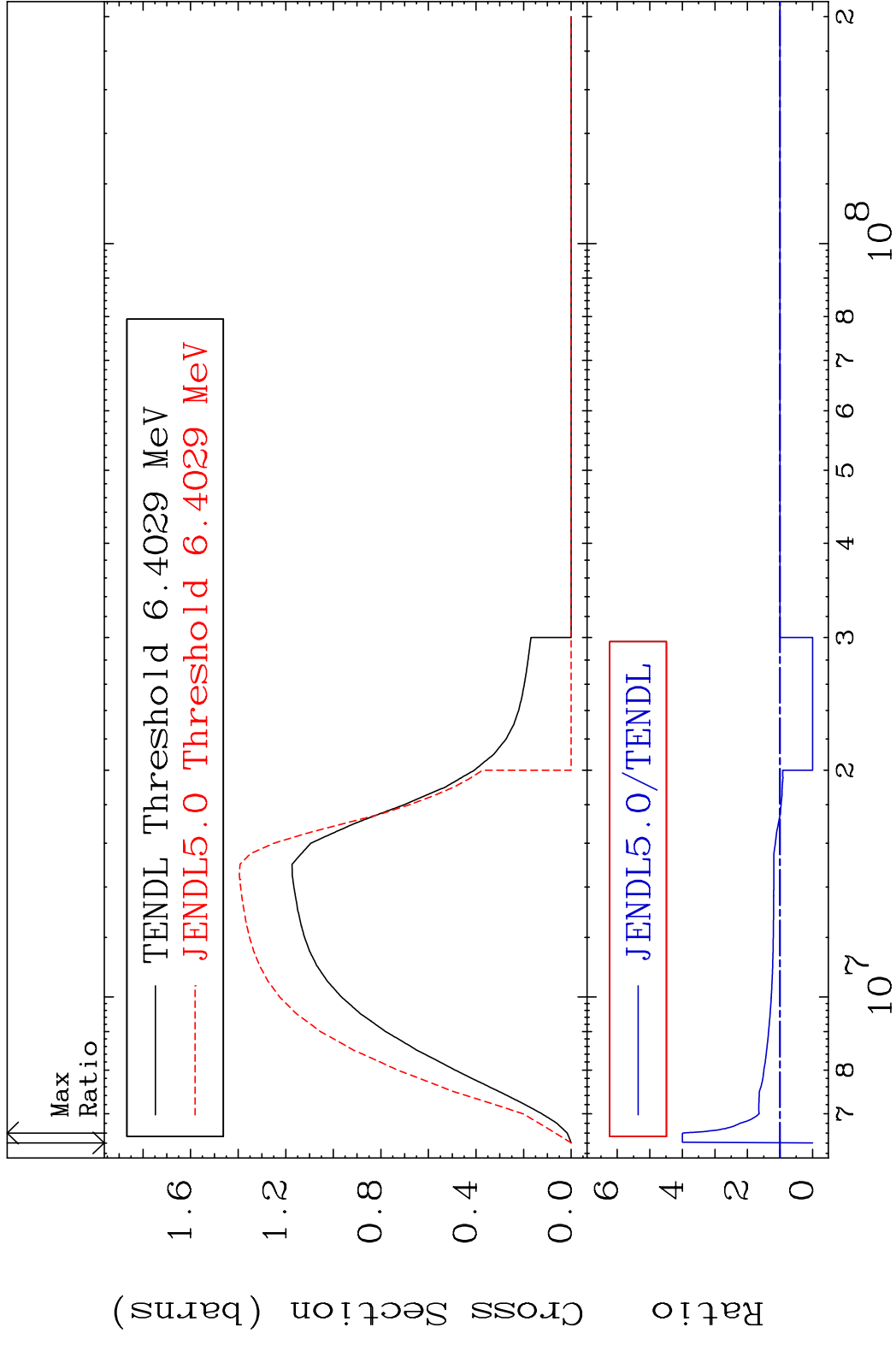


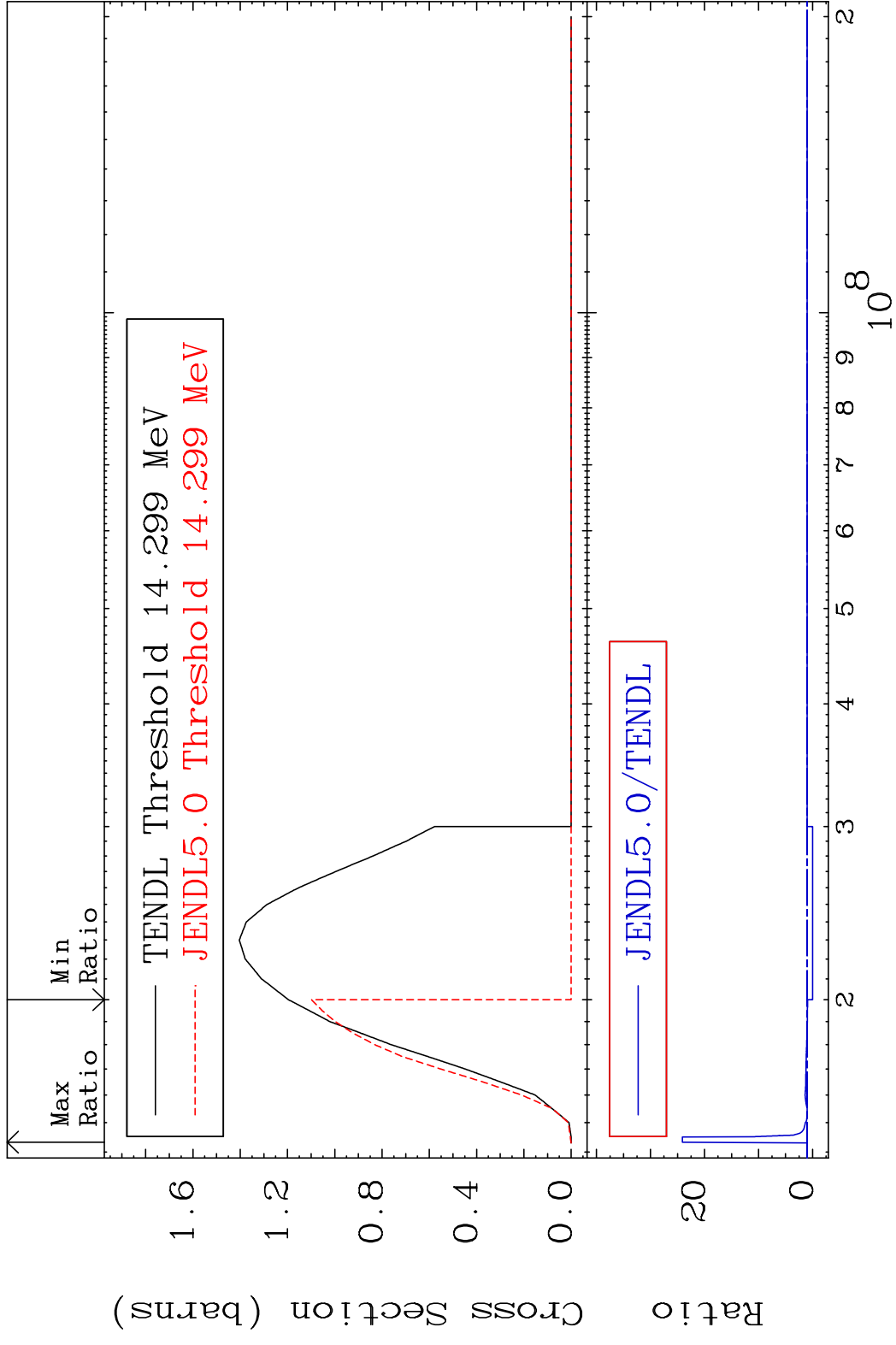


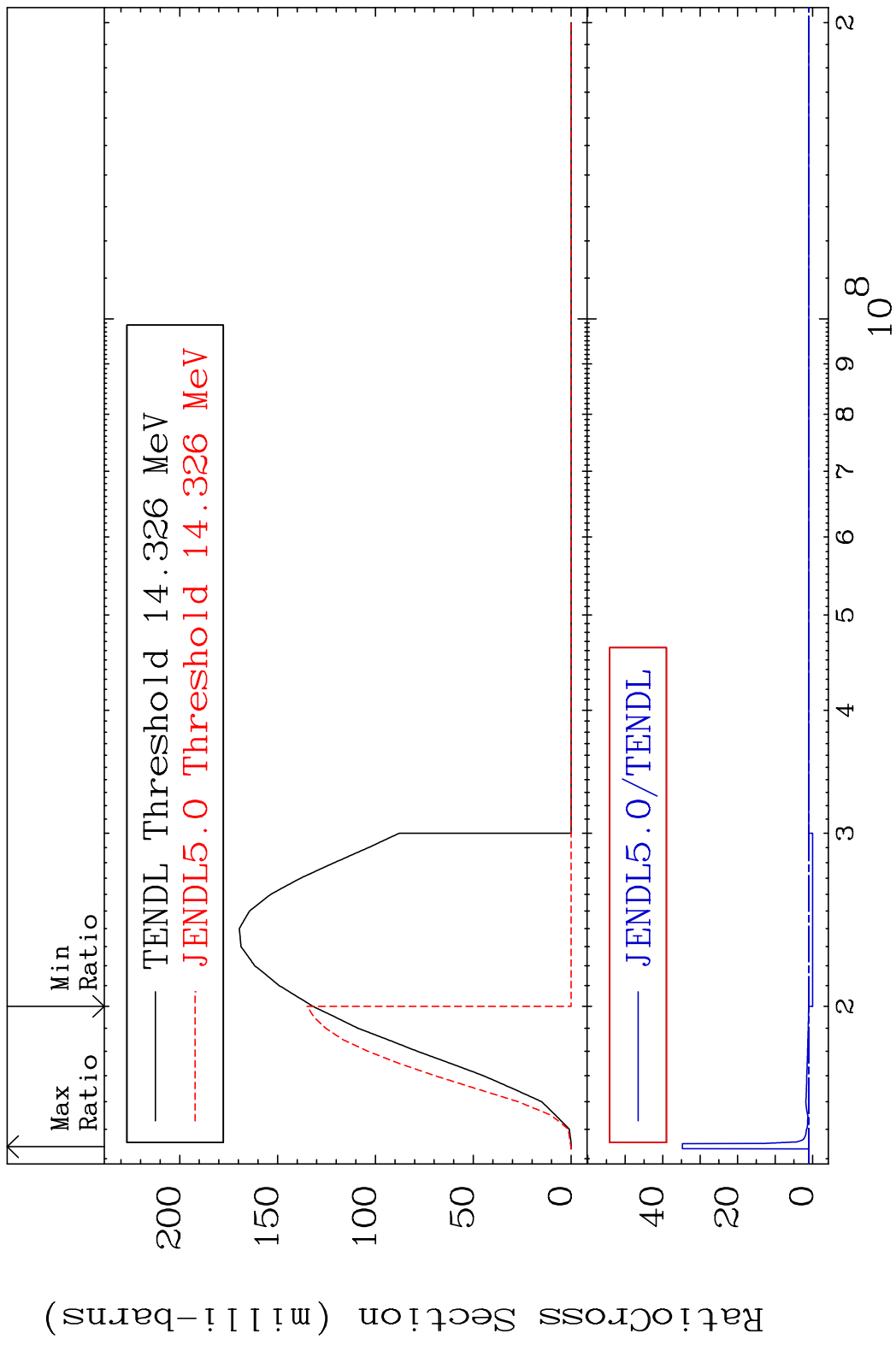
MAT 7728 (n,2n):77-Ir-191g 77-Ir-192
 Radionuclide Production Cross Section 180.01 dth 212.8 %

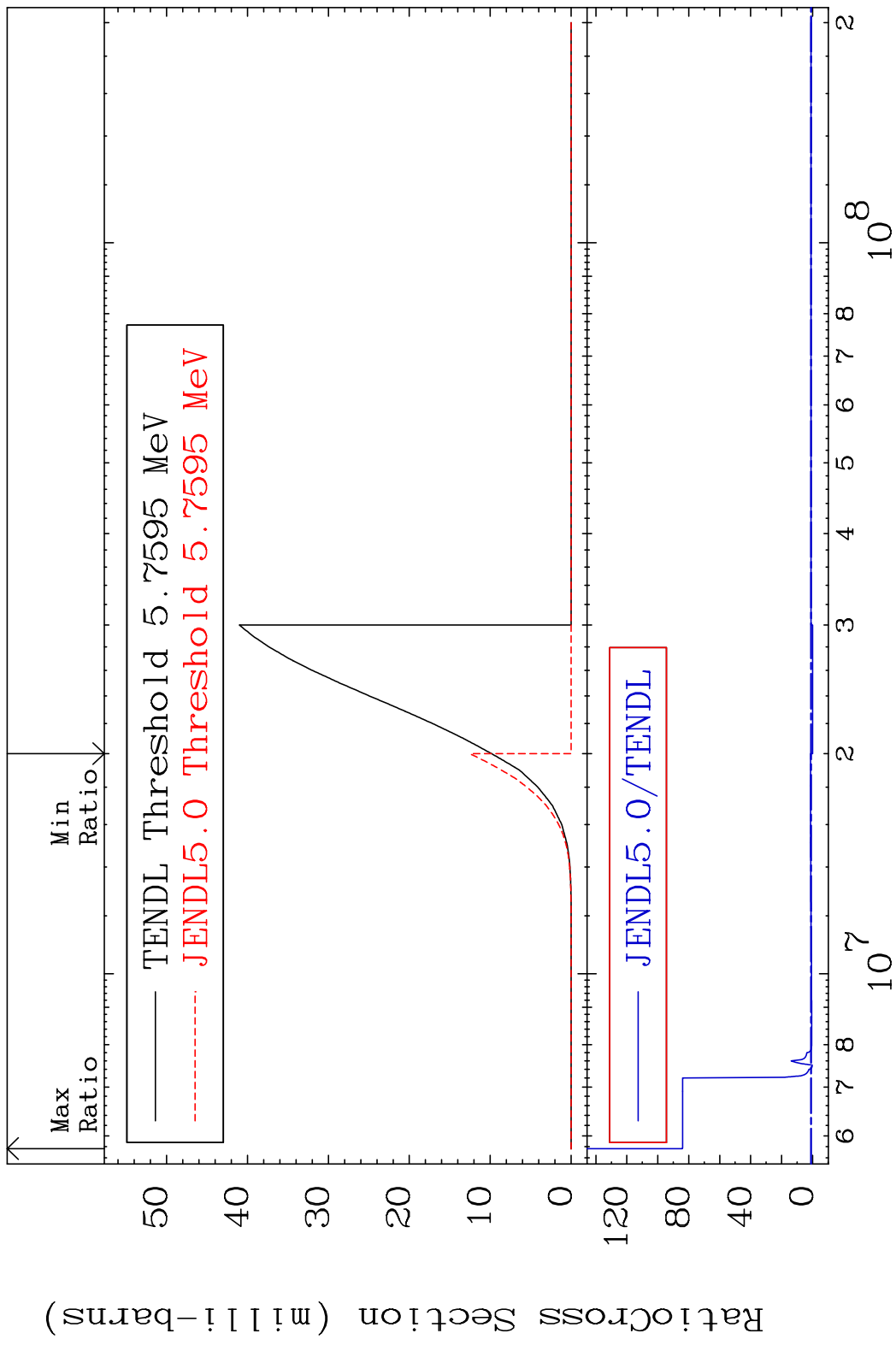


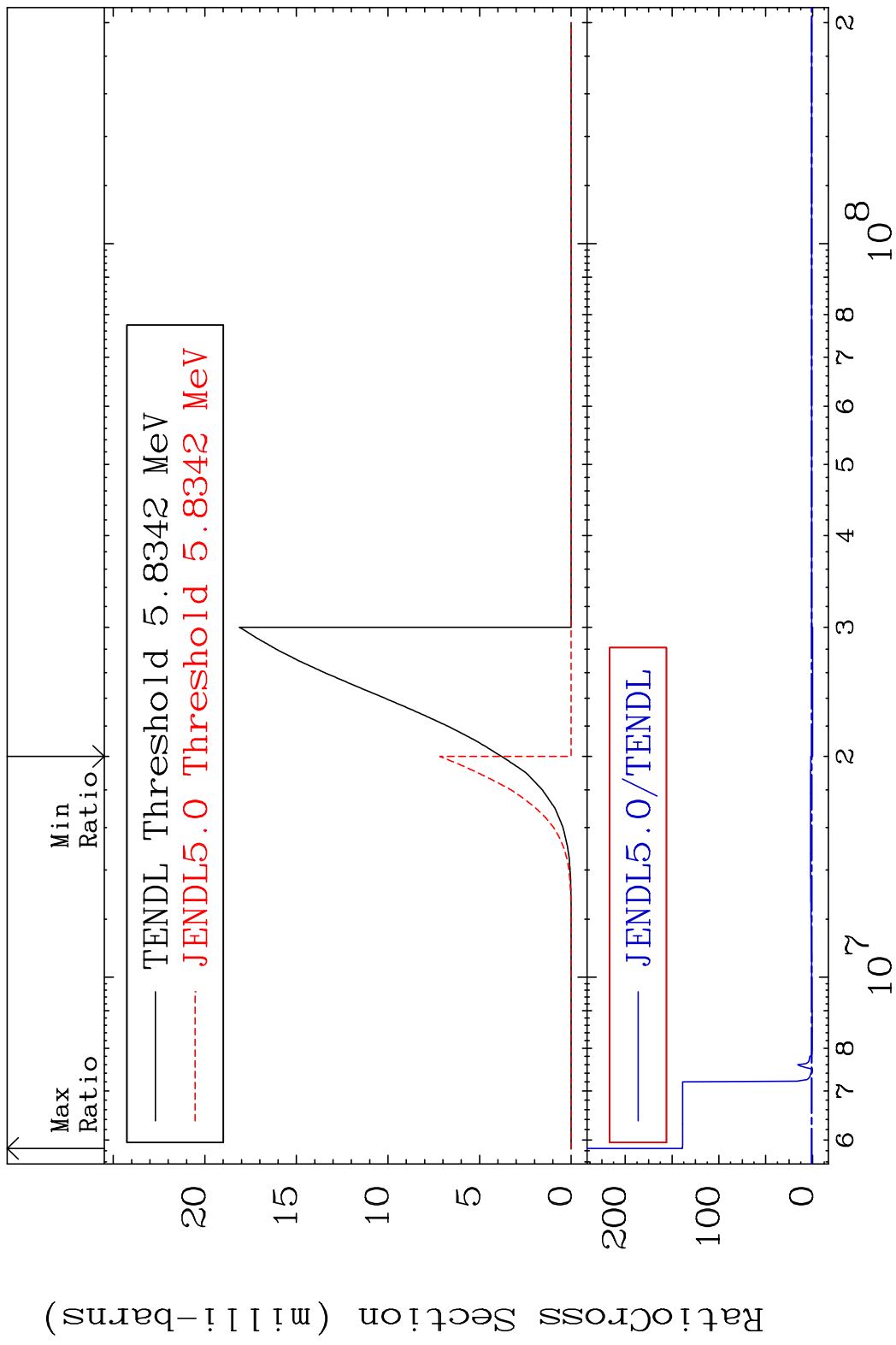
MAT 7728 (n,2n):77-Ir-191m3 77-Ir-192
 Radionuclide Production Cross Section 180.0 dth 300.0 %

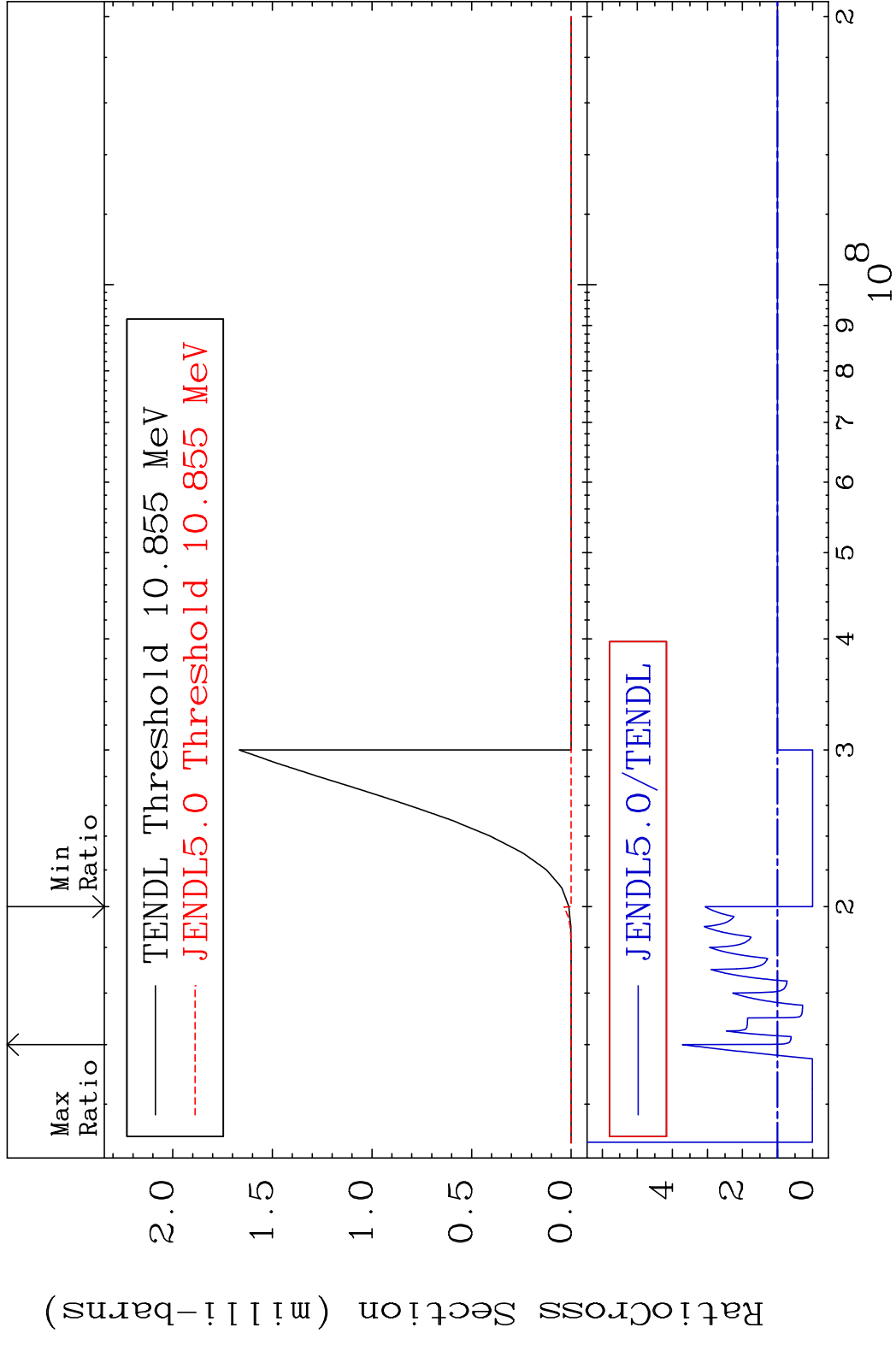


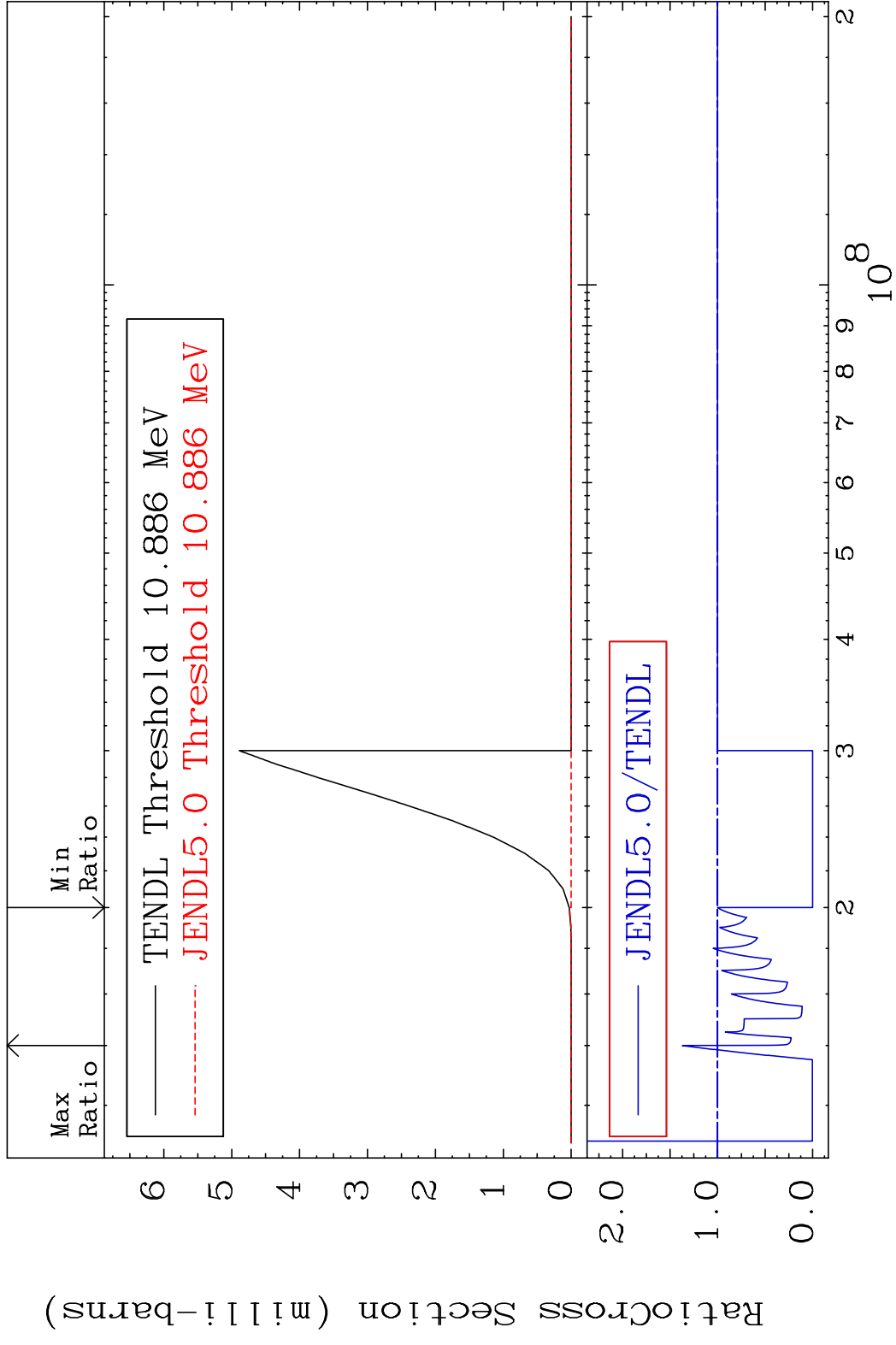


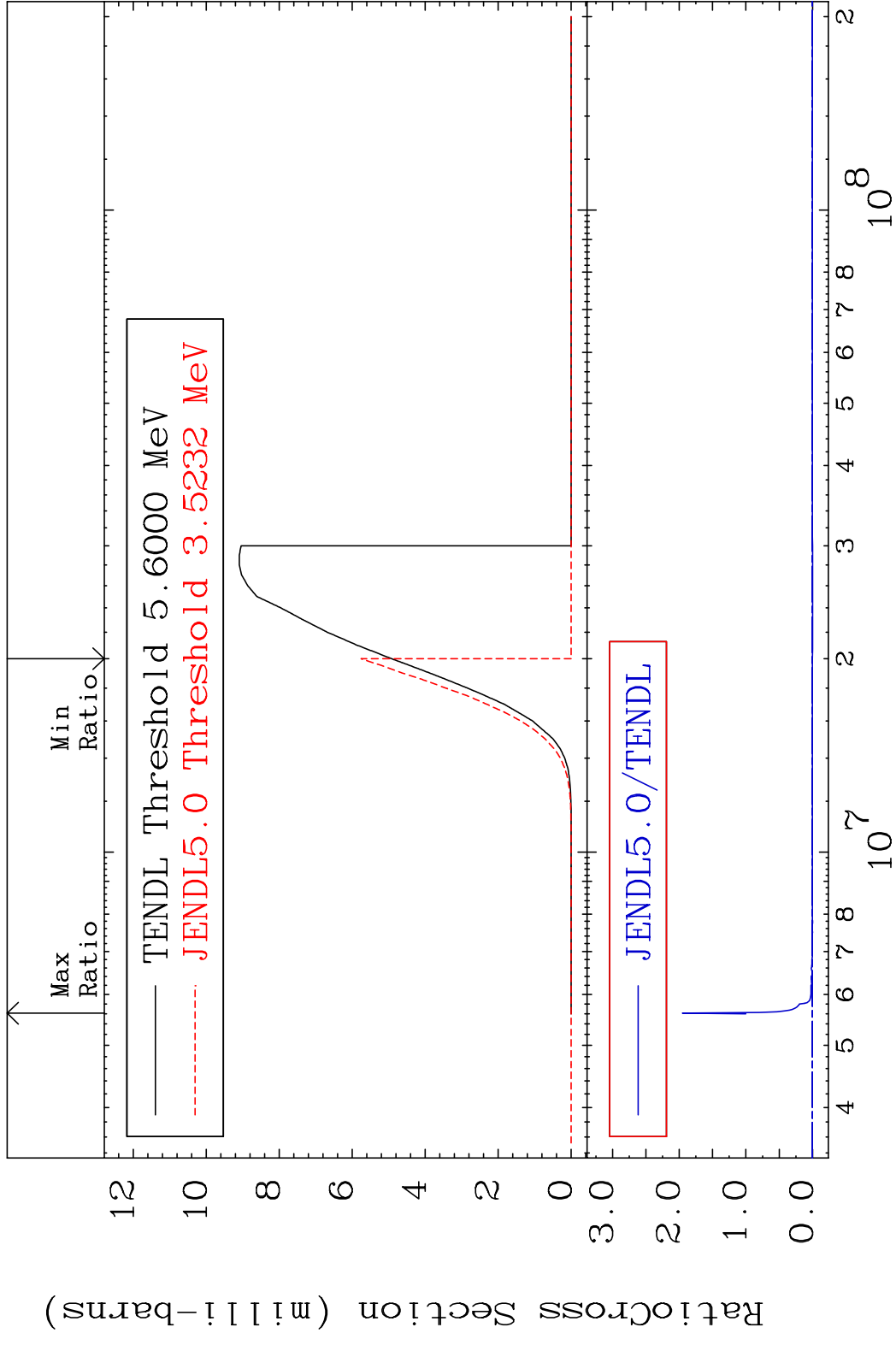




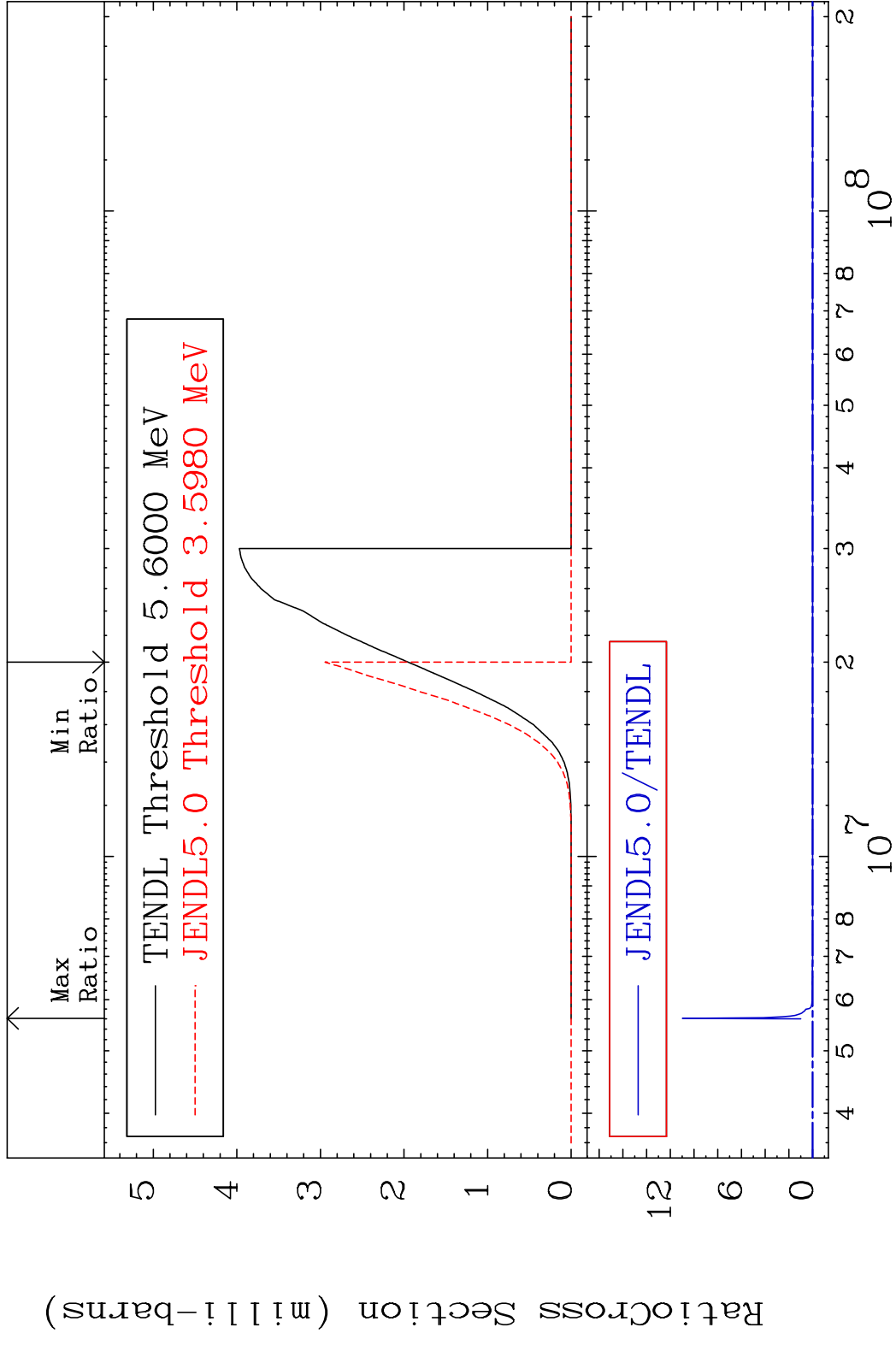


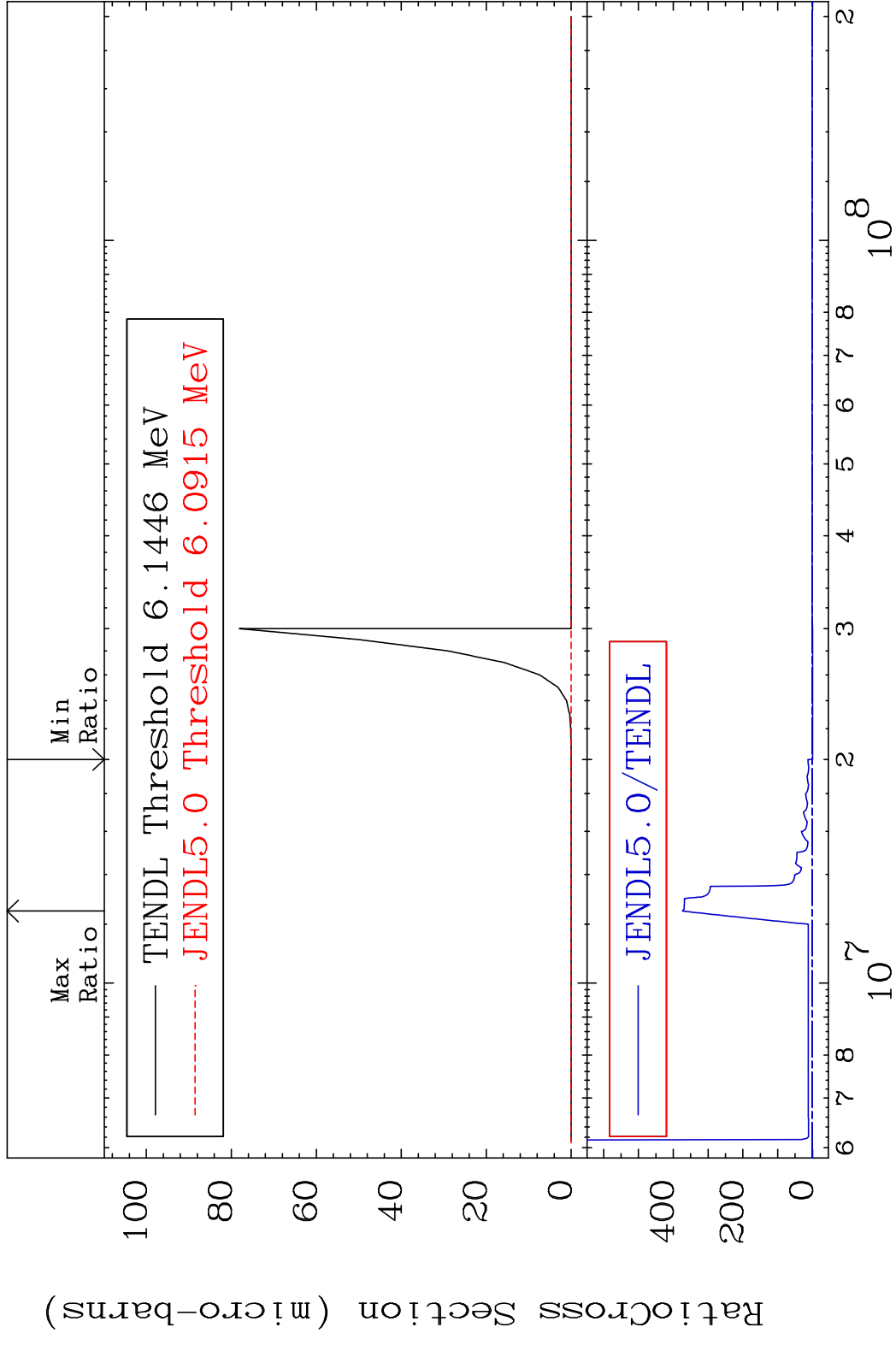


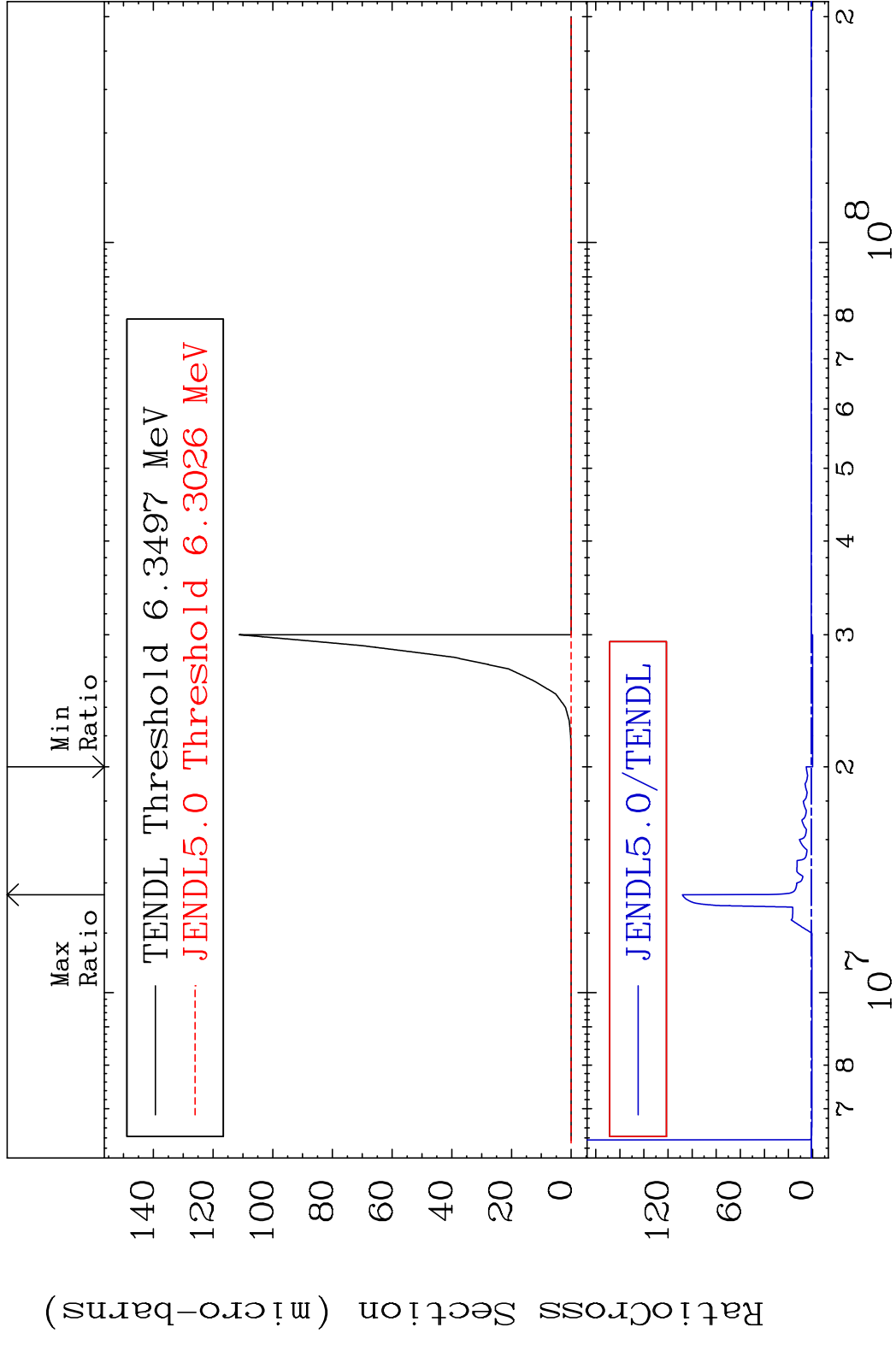




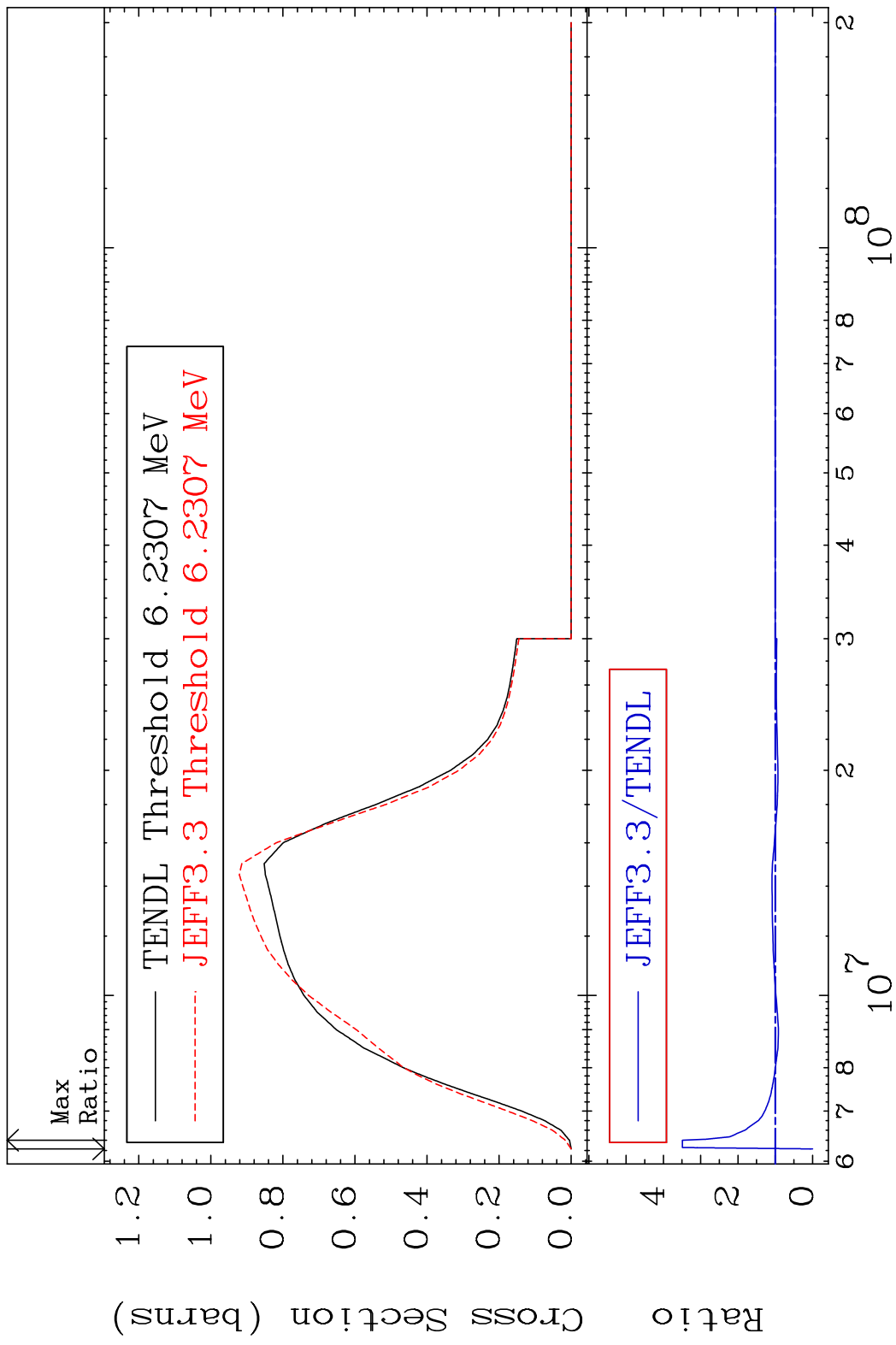
MAT 7728 (n,d):76-Os-191m1 77-Ir-192
 Radionuclide Production Cross Section 100.00 % 9999. %



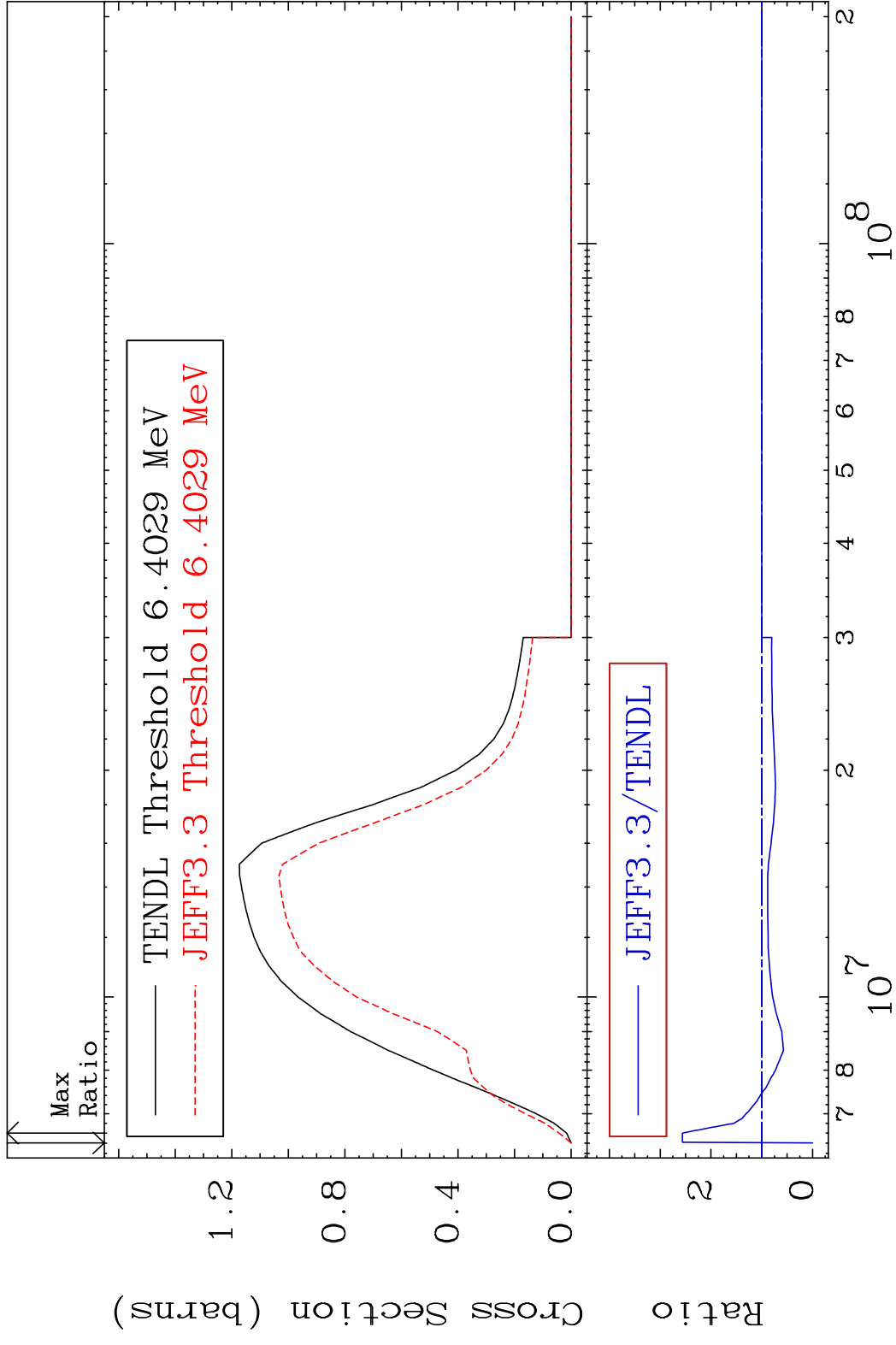




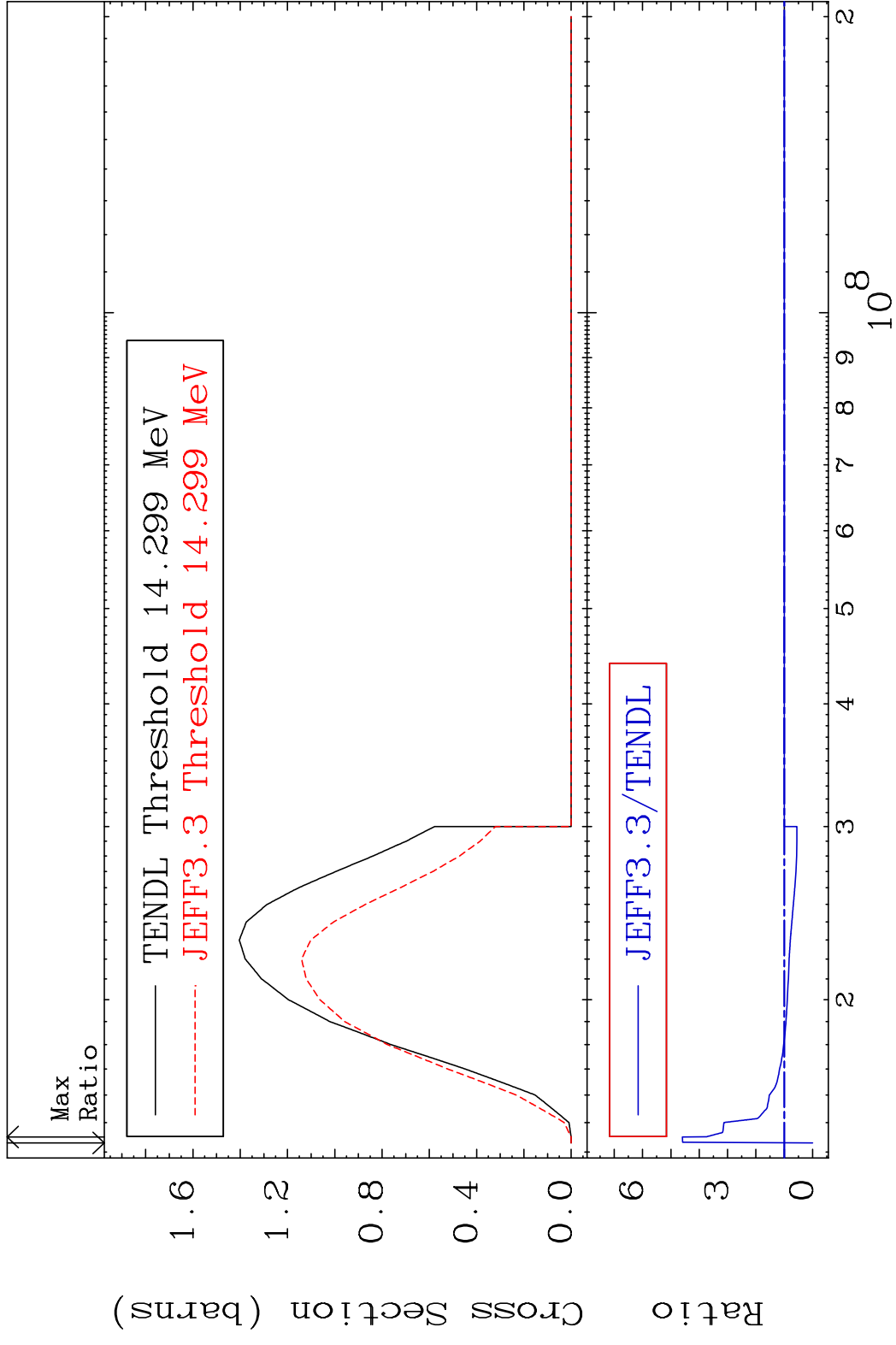
MAT 7728 (n,2n):77-Ir-191g 77-Ir-192
 Radionuclide Production Cross Section 180.01 dth 249.1 %



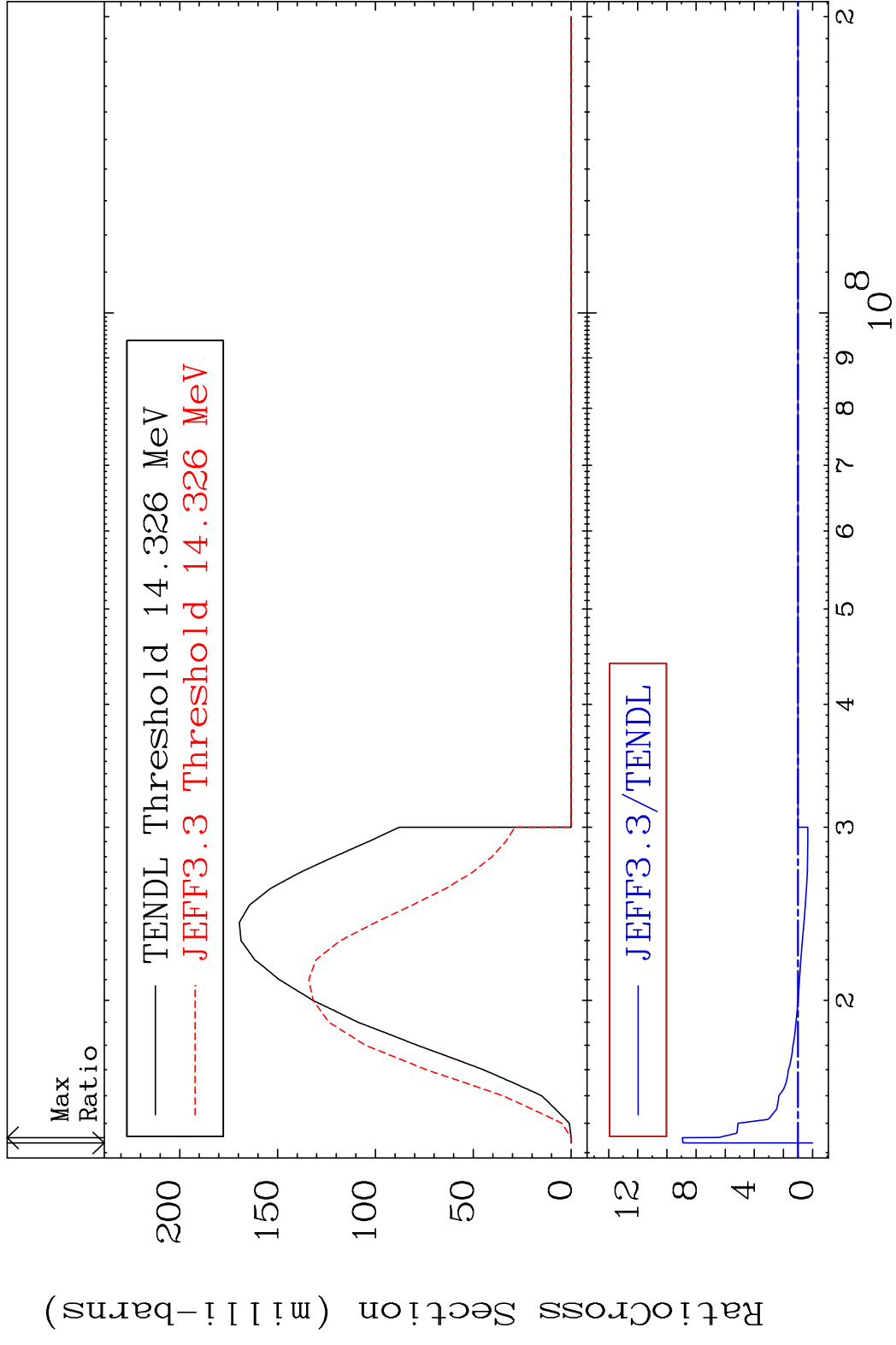
MAT 7728 (n,2n):77-Ir-191m3 77-Ir-192
 Radionuclide Production Cross Section 156.3 %

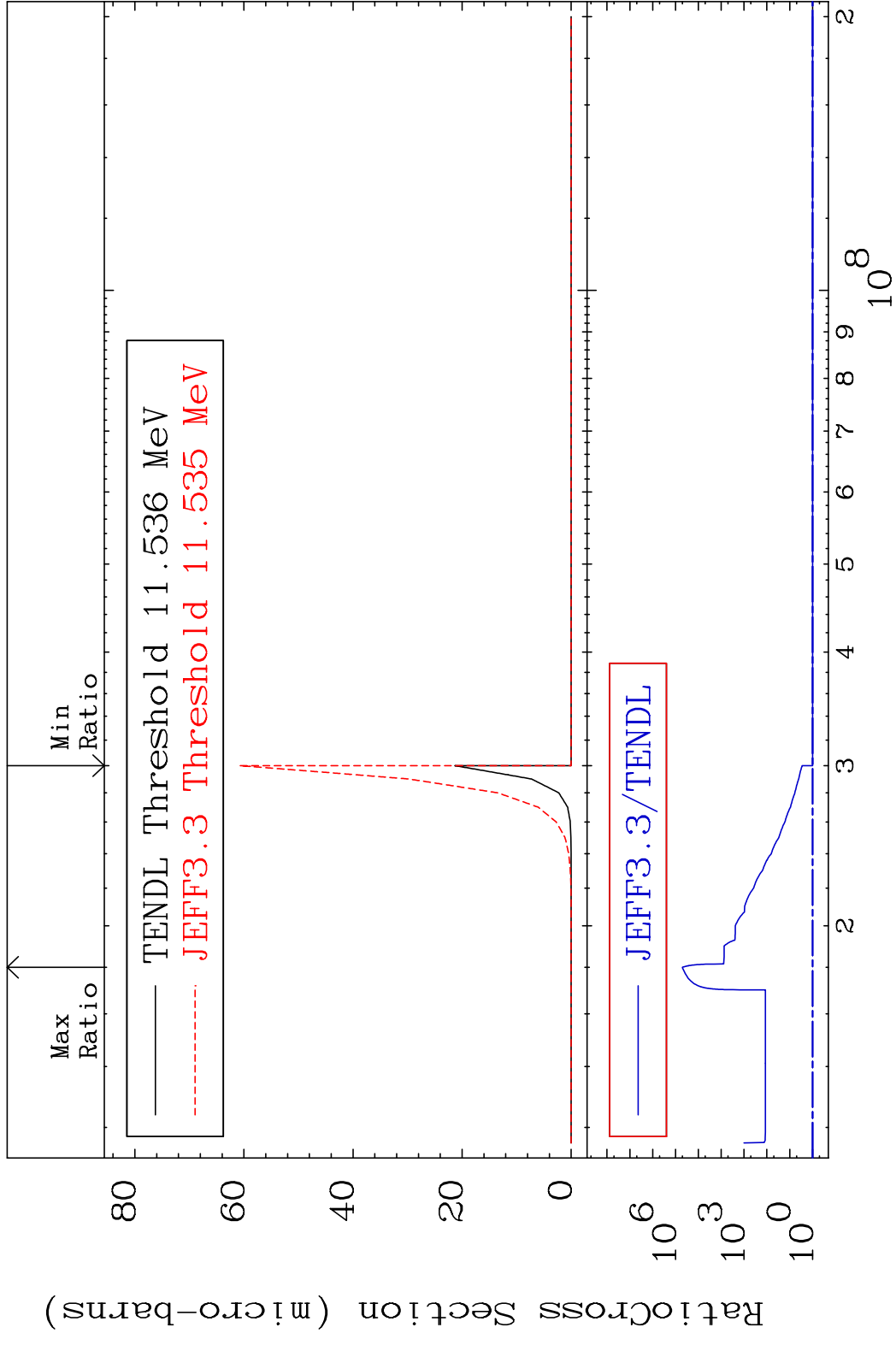


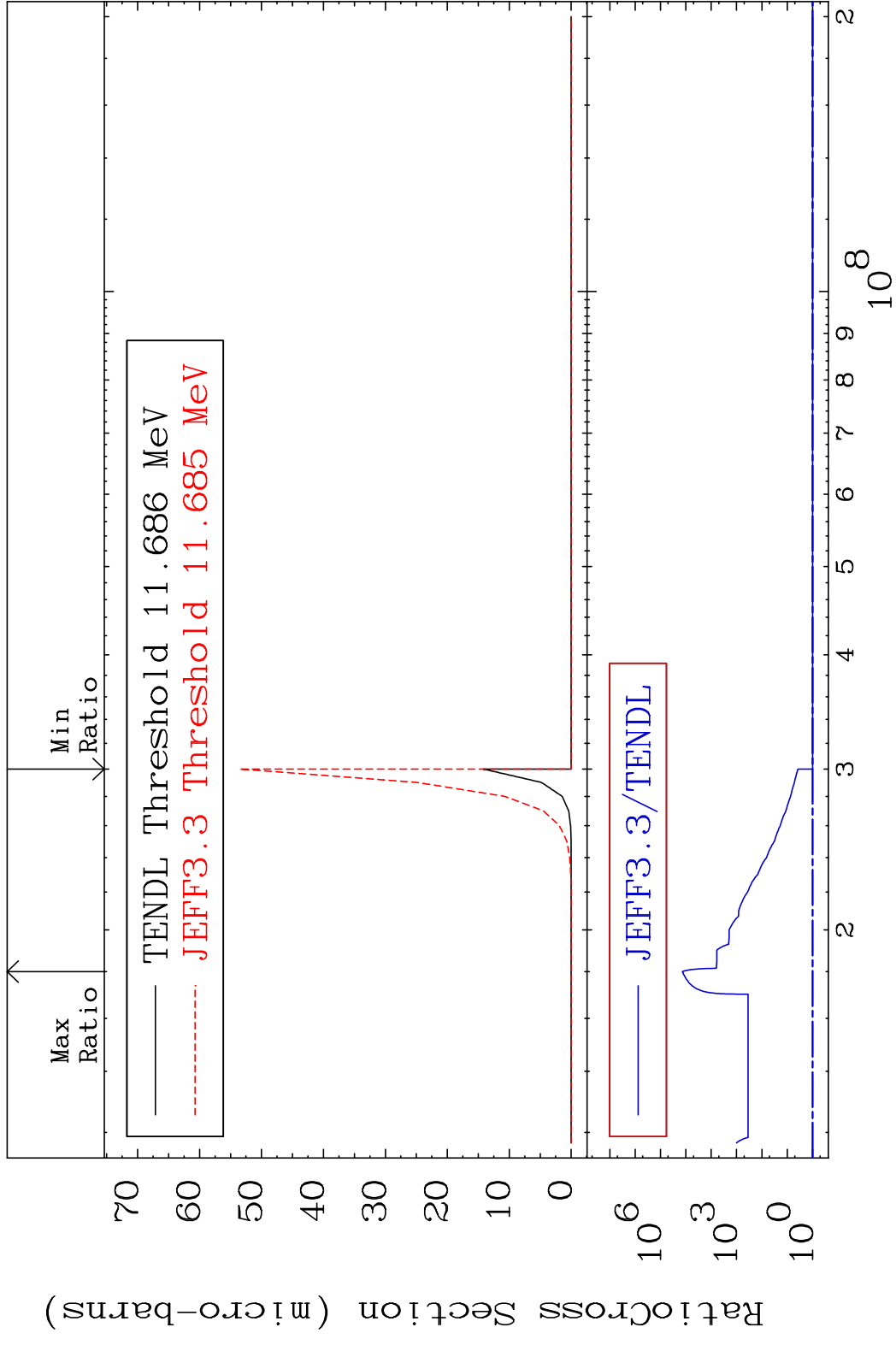
MAT 7728 (n,3n):77-Ir-190g 77-Ir-192
 Radionuclide Production Cross Section Ratio 359.6 %

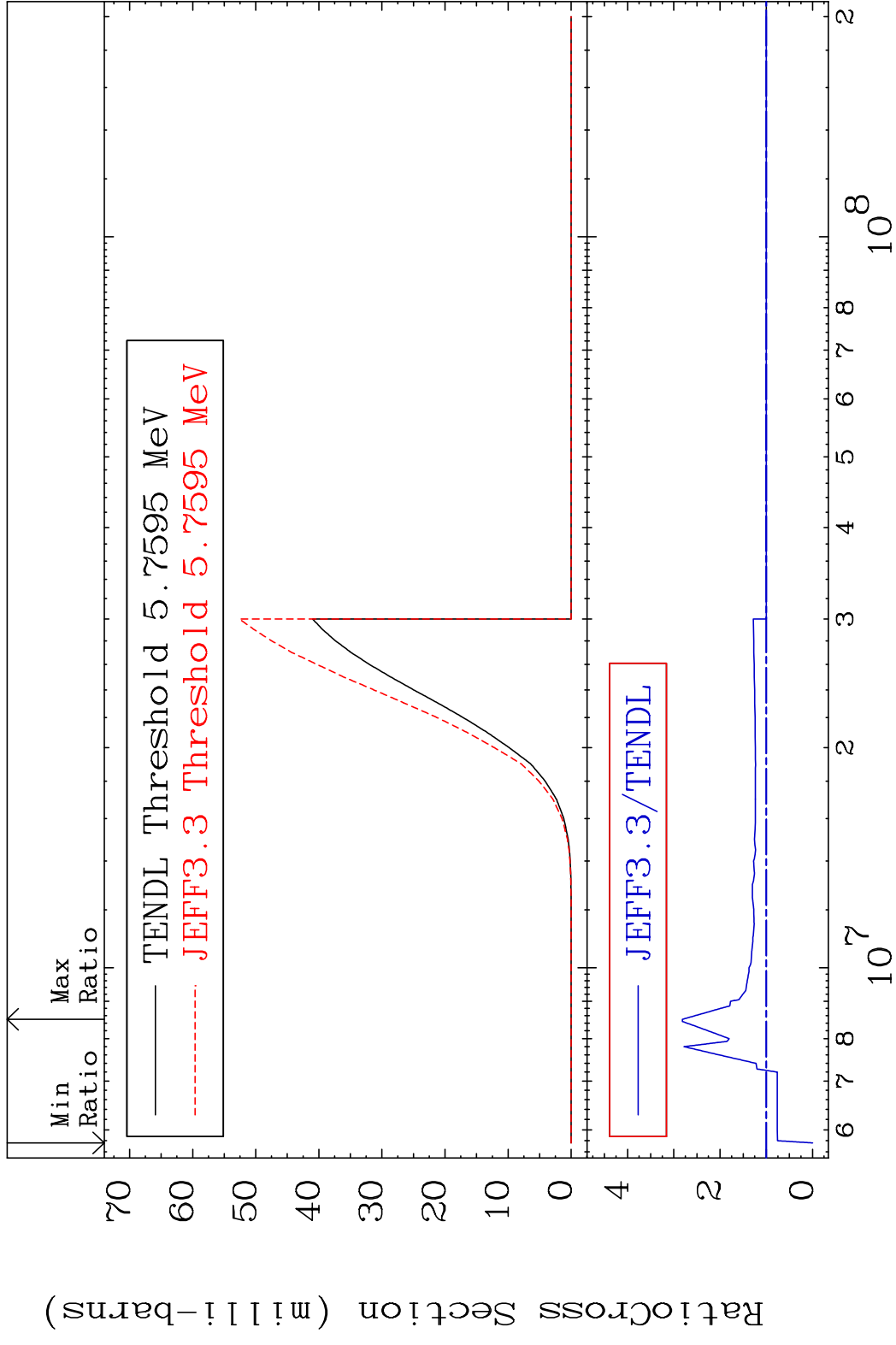


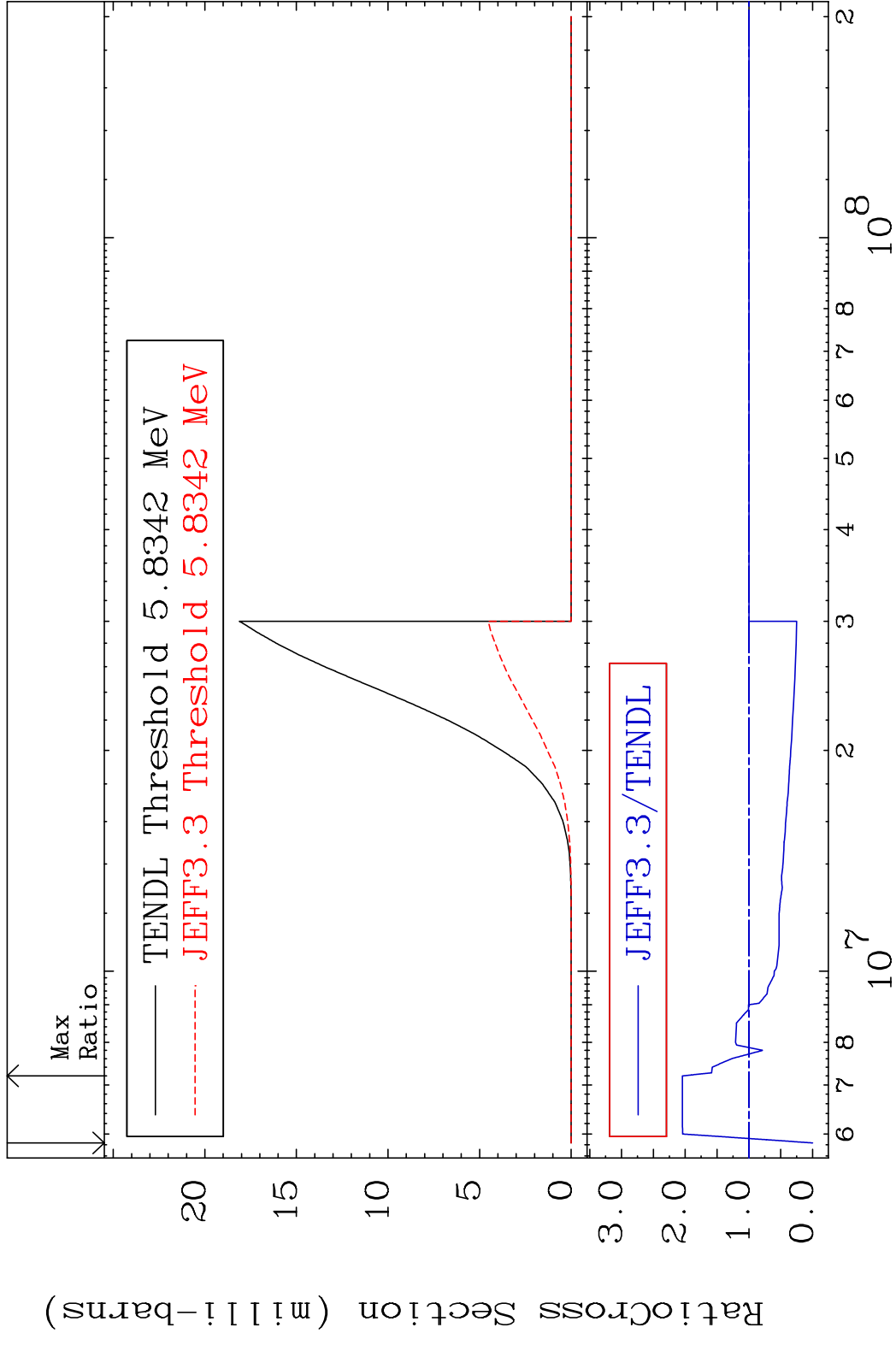
MAT 7728 (n, 3n): 77-Ir-190m2 77-Ir-192
 Radionuclide Production Cross Section 180.01 dth 793.8 %

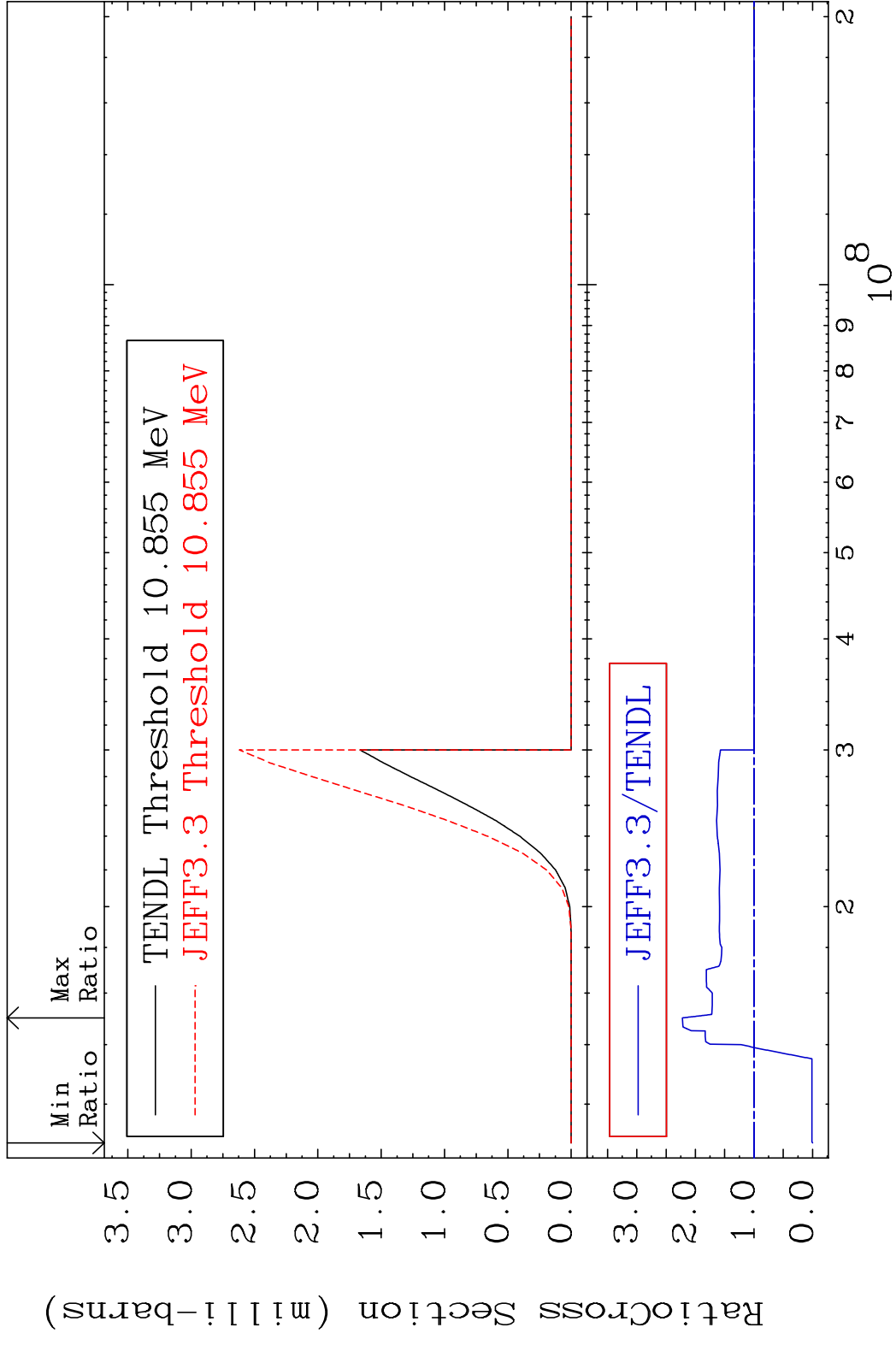




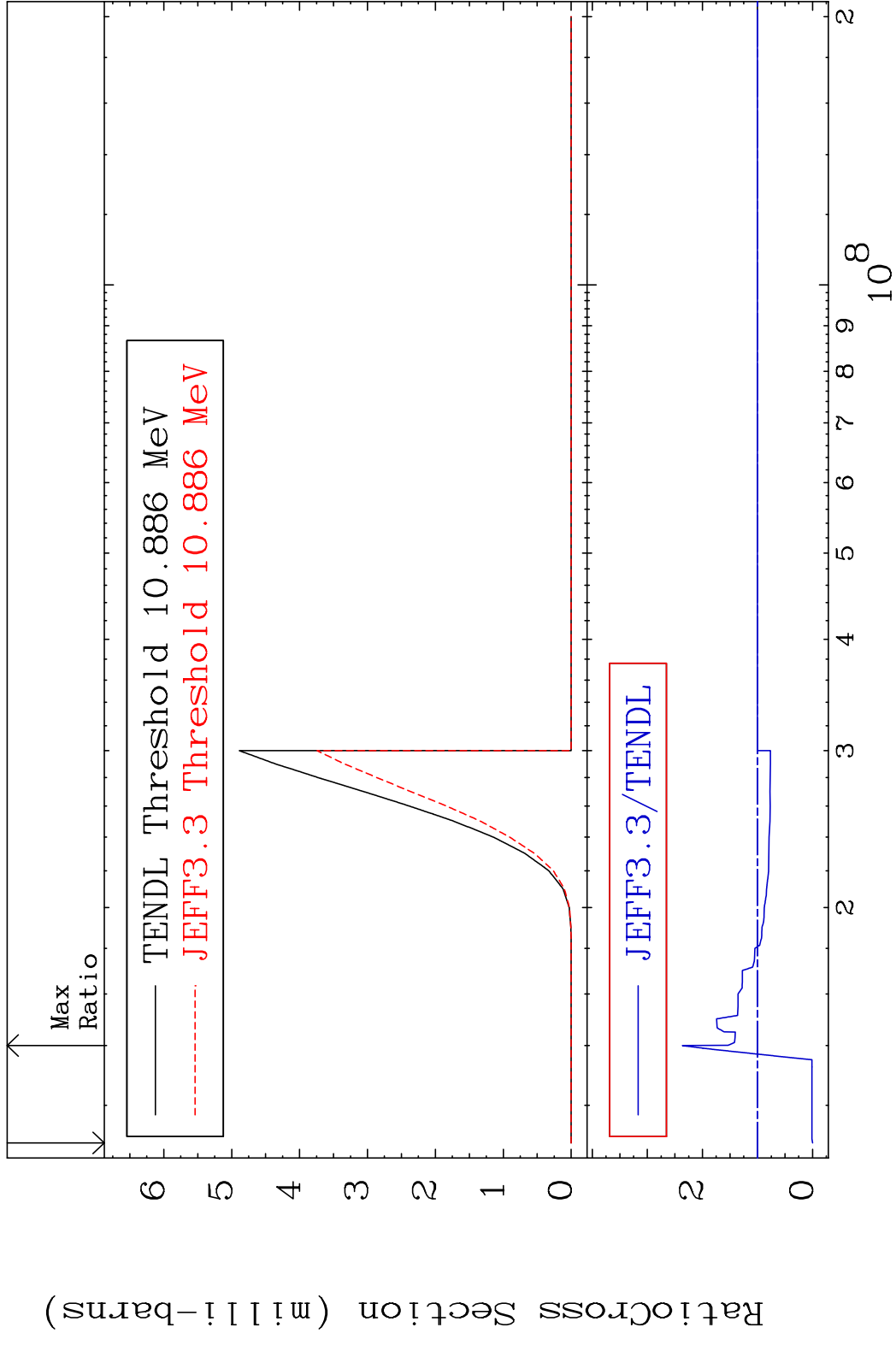


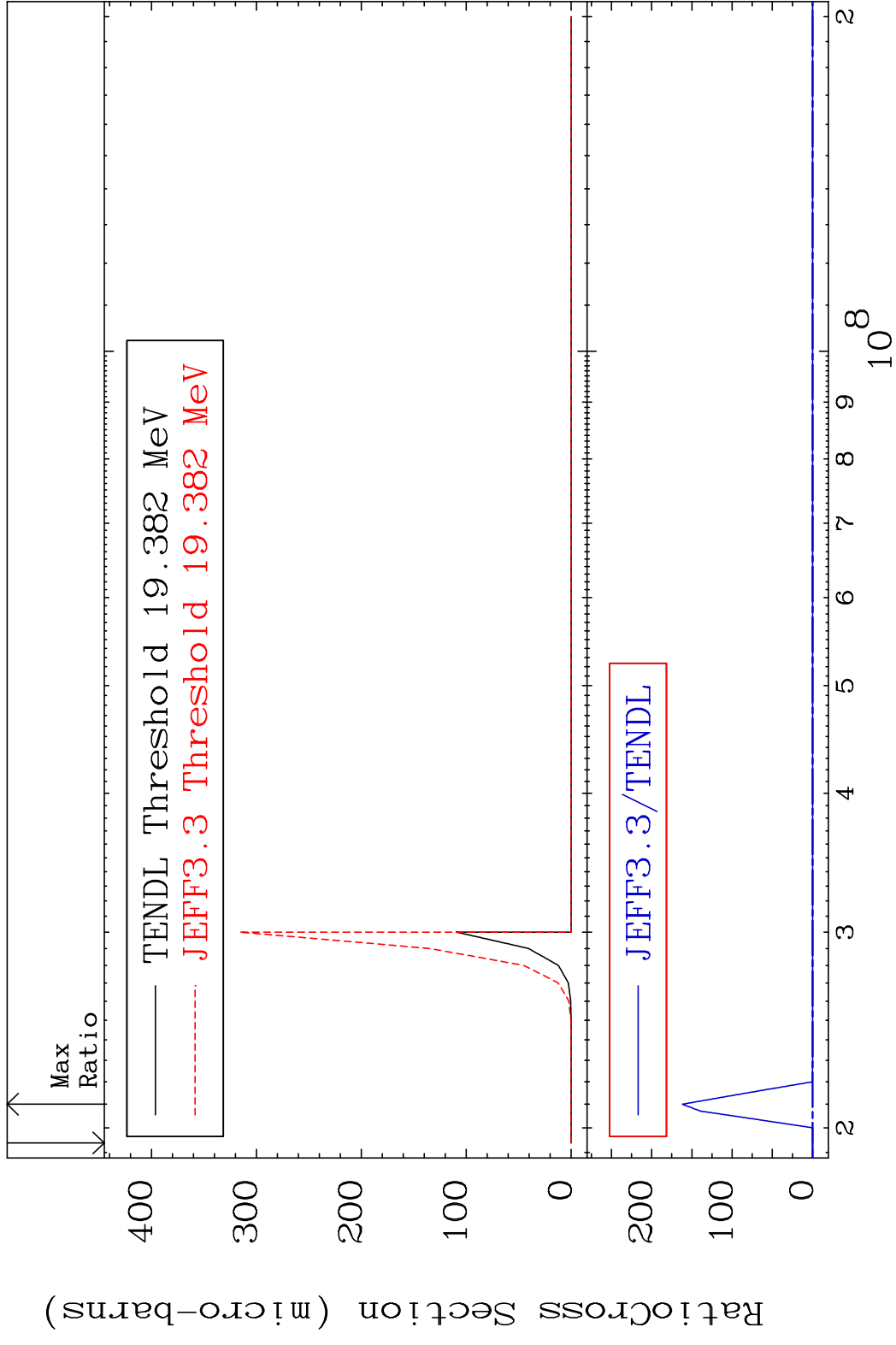


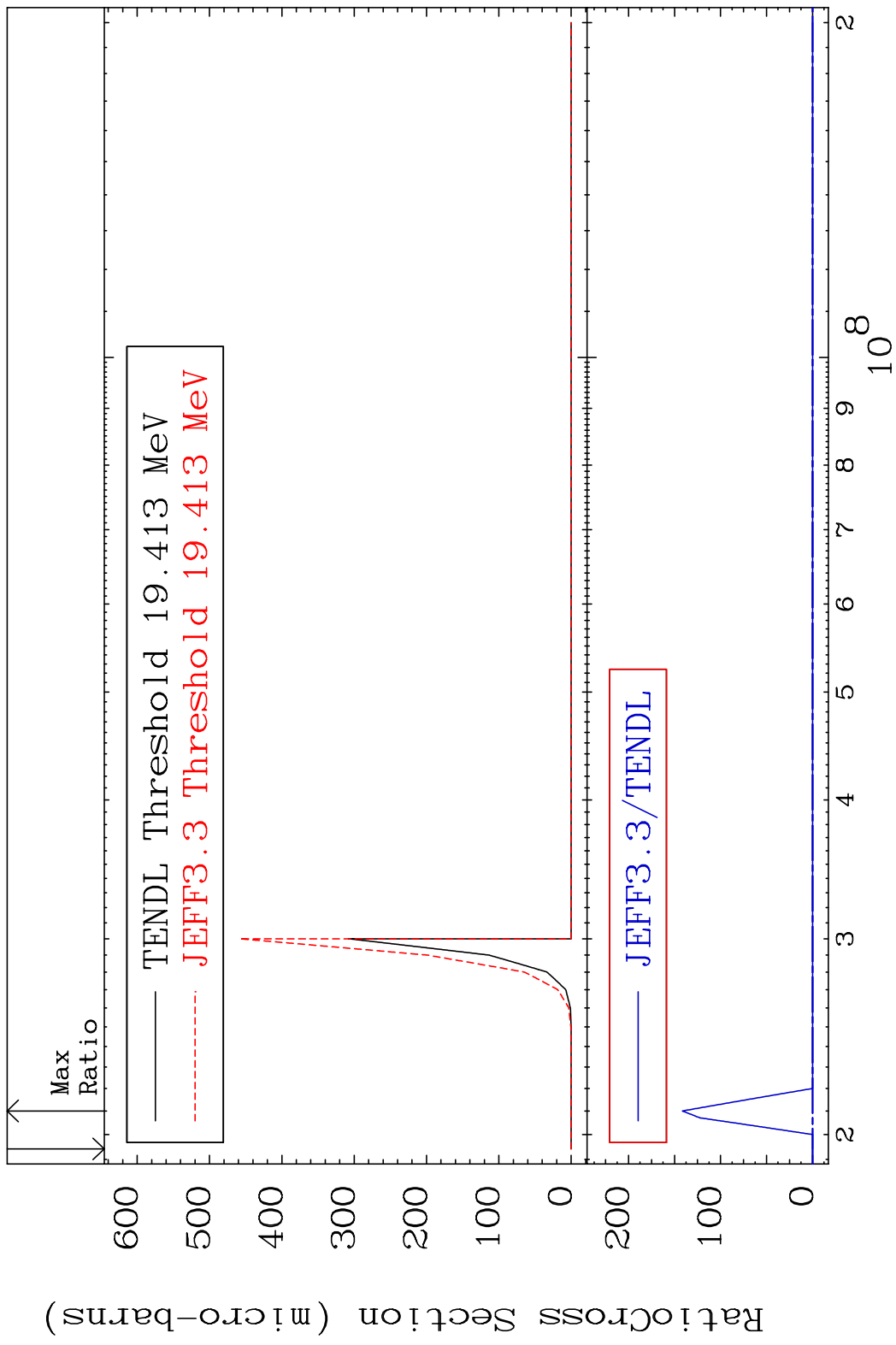


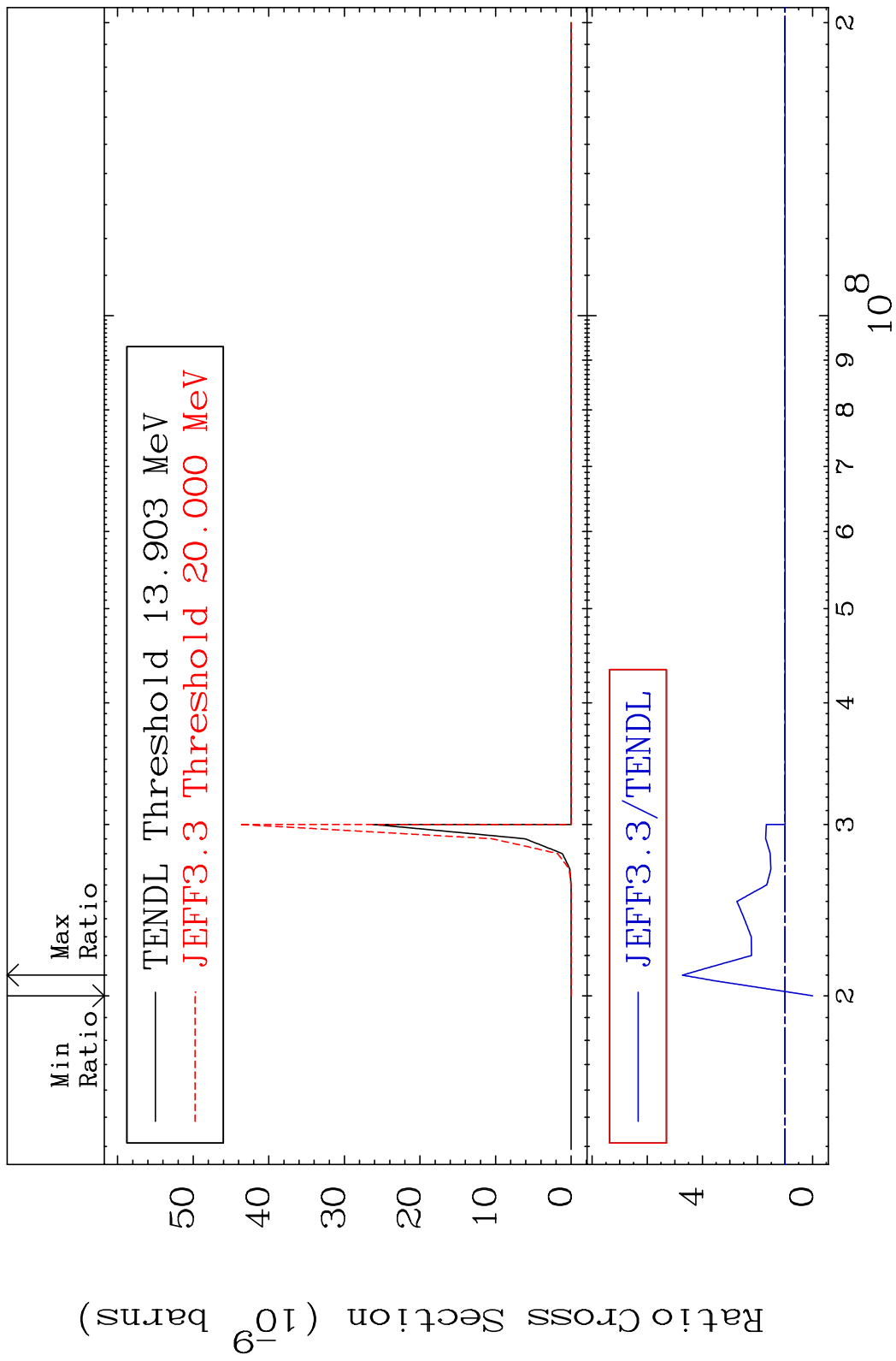


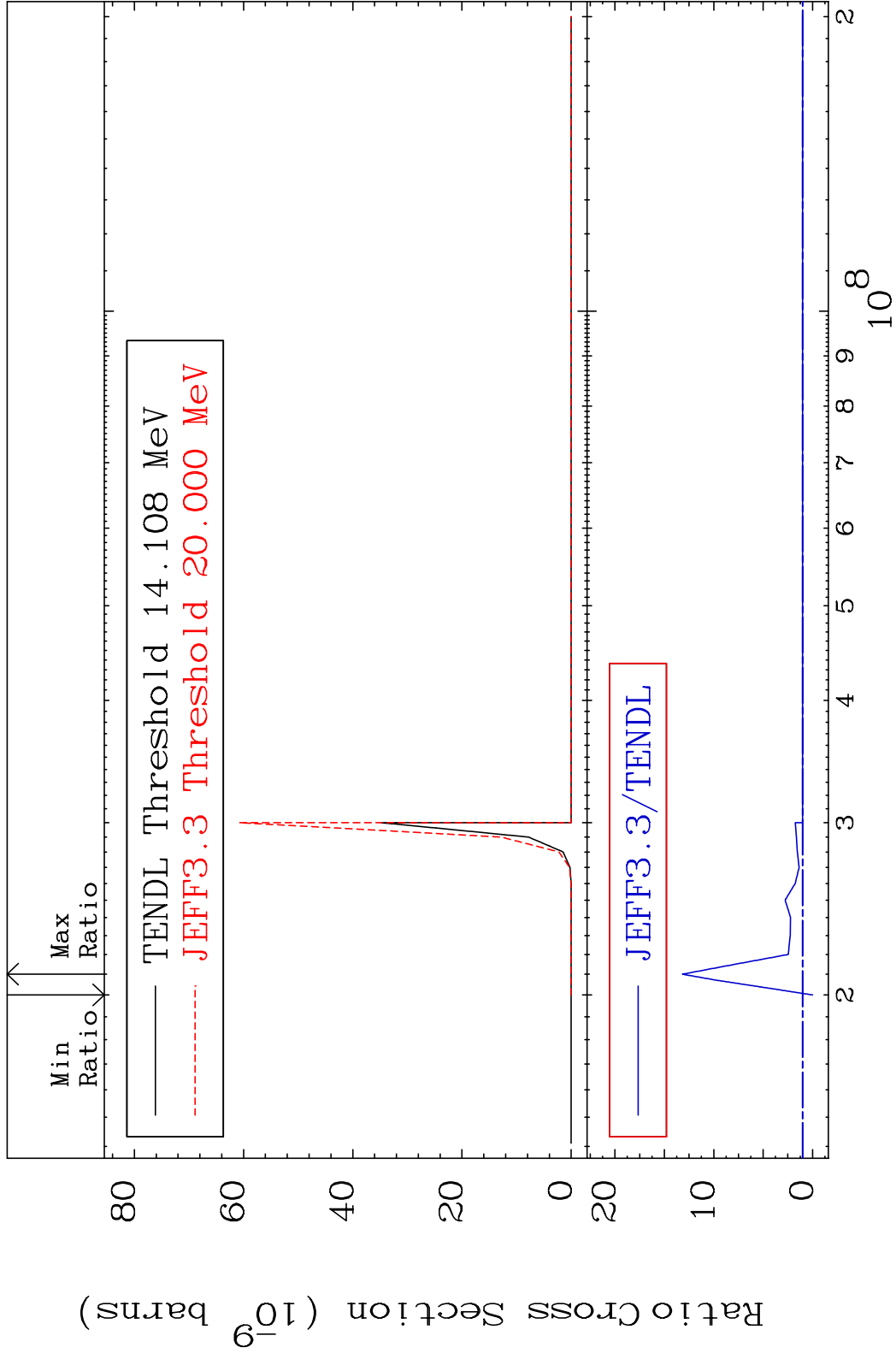
MAT 7728 (n, n') t:76-0s-189m1 77-Ir-192
 Radionuclide Production Cross Section 136.5 %









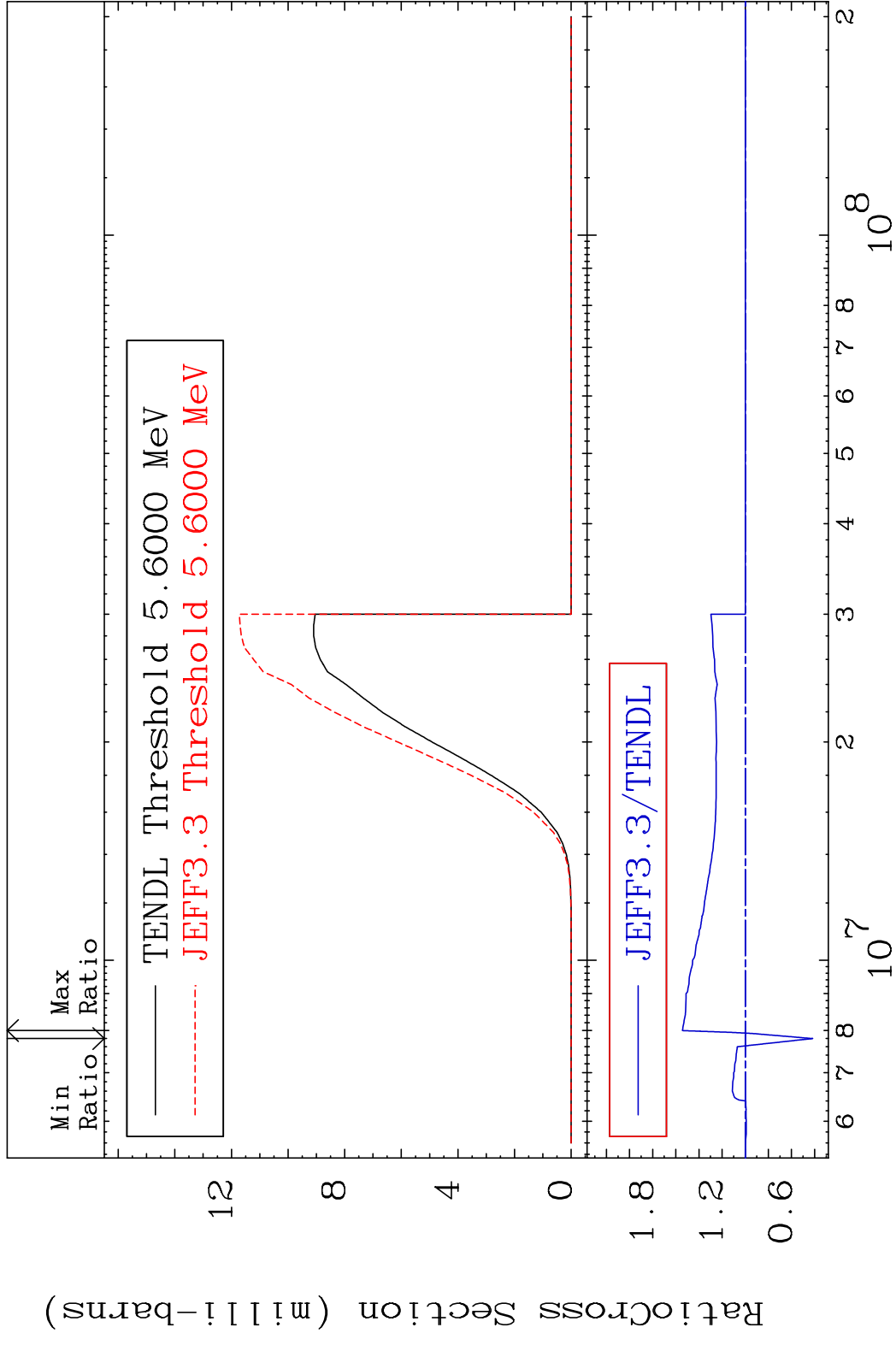


MAT 7728

(n, d): 76-0s-191g

77-Ir-192

Radionuclide Production Cross Section (mb)



MAT 7728 (n,d):76-Os-191m1 77-Ir-192
 Radionuclide Production Cross Section 0.000 %

