

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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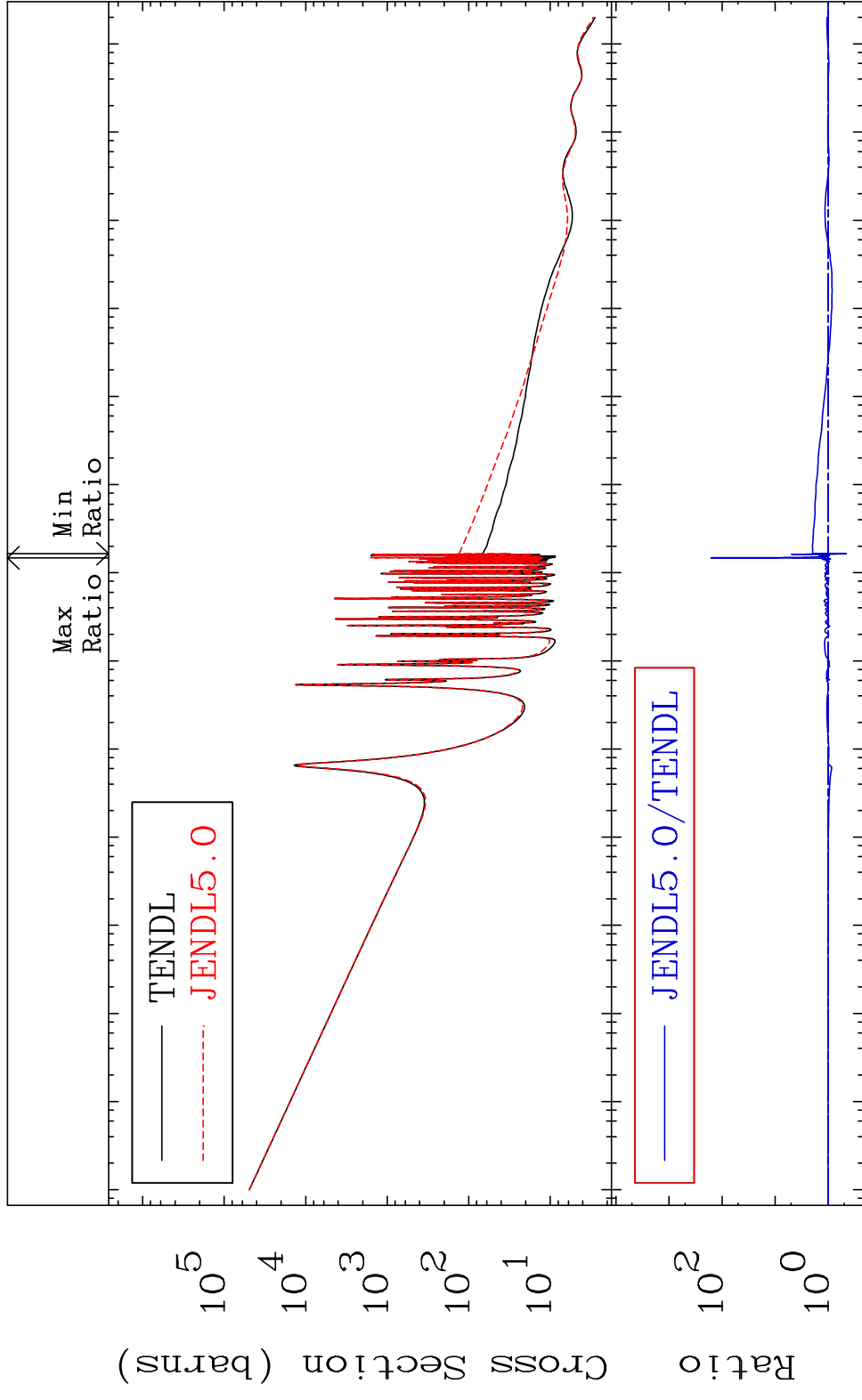
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7725

Total Cross Section -54.46 To 9999. %

77-Ir-191



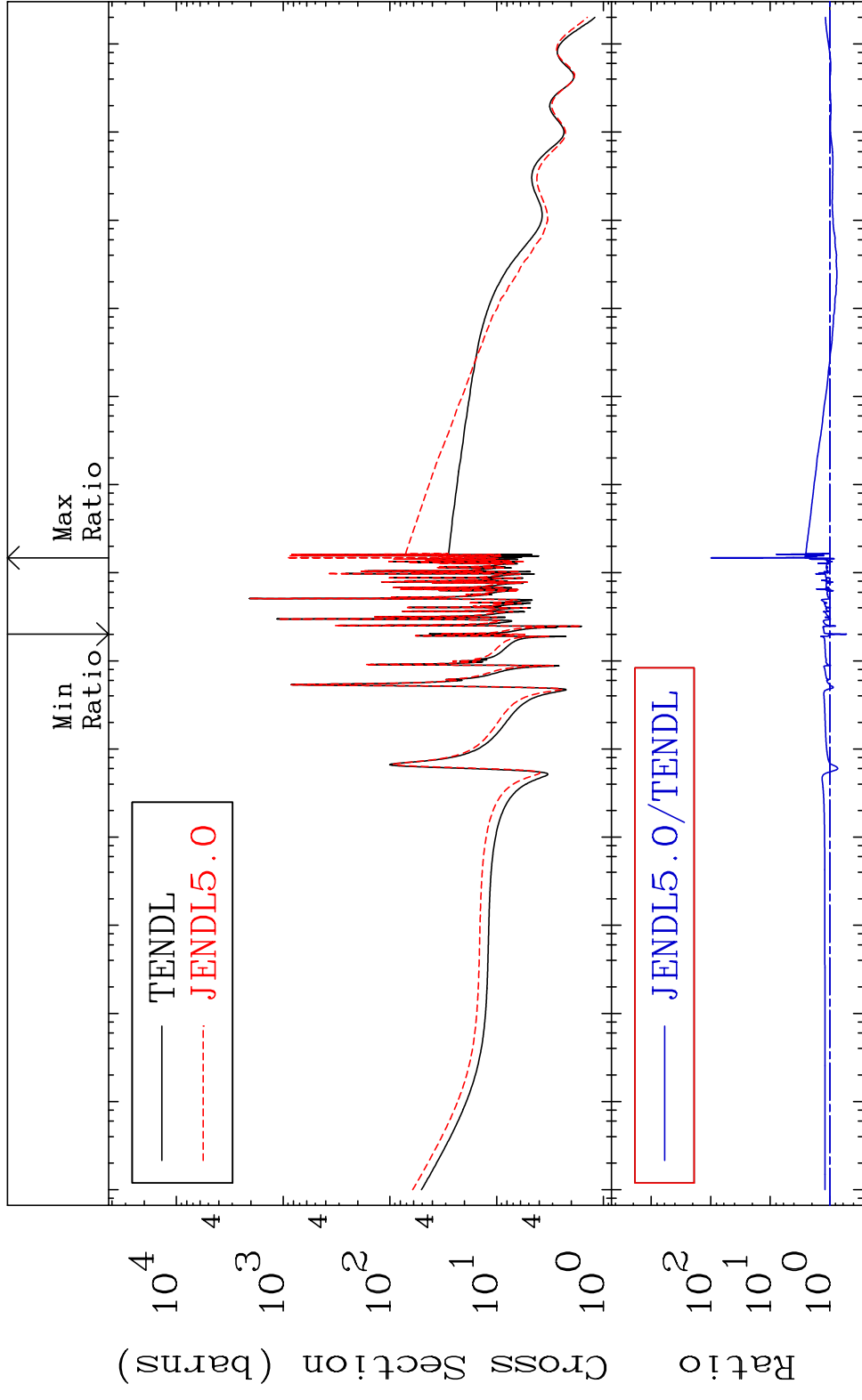
10⁵ 10⁴ 10³ 10² 10¹ 10⁰ 10⁻¹ 10⁻² 10⁻³ 10⁻⁴ 10⁻⁵

10⁸ 10⁷ 10⁶ 10⁵ 10⁴ 10³ 10² 10¹ 10⁰

Incident Energy (eV) 77-Ir-191

MAT 7725

Elastic Cross Section 77-Ir-191
-47.33 To 9906. %



Ratio
10²
10¹
10⁰

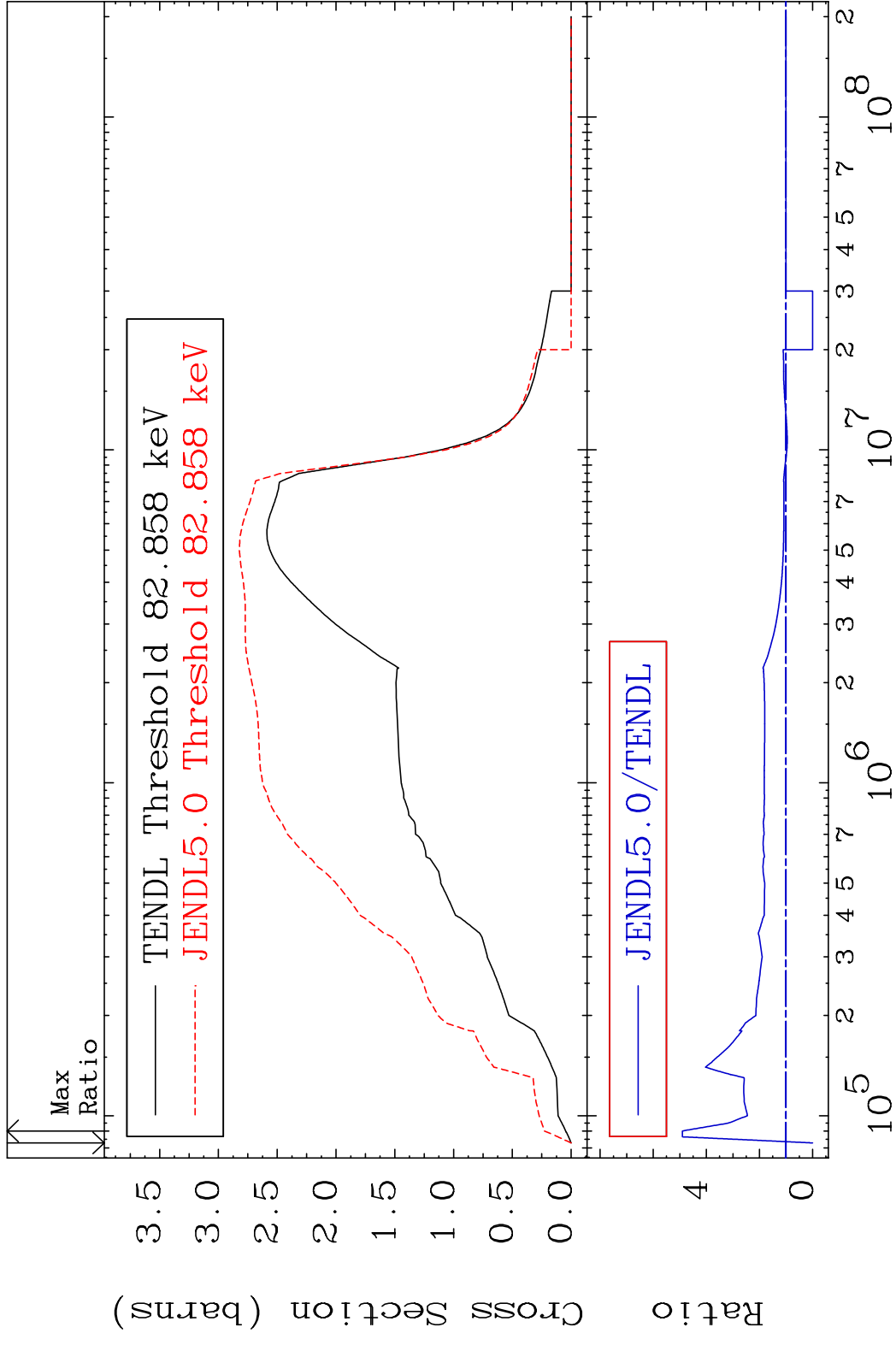
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

MAT 7725

Inelastic

77-Ir-191

Cross Section -100.0 To 390.4 %



3

Incident Energy (eV)

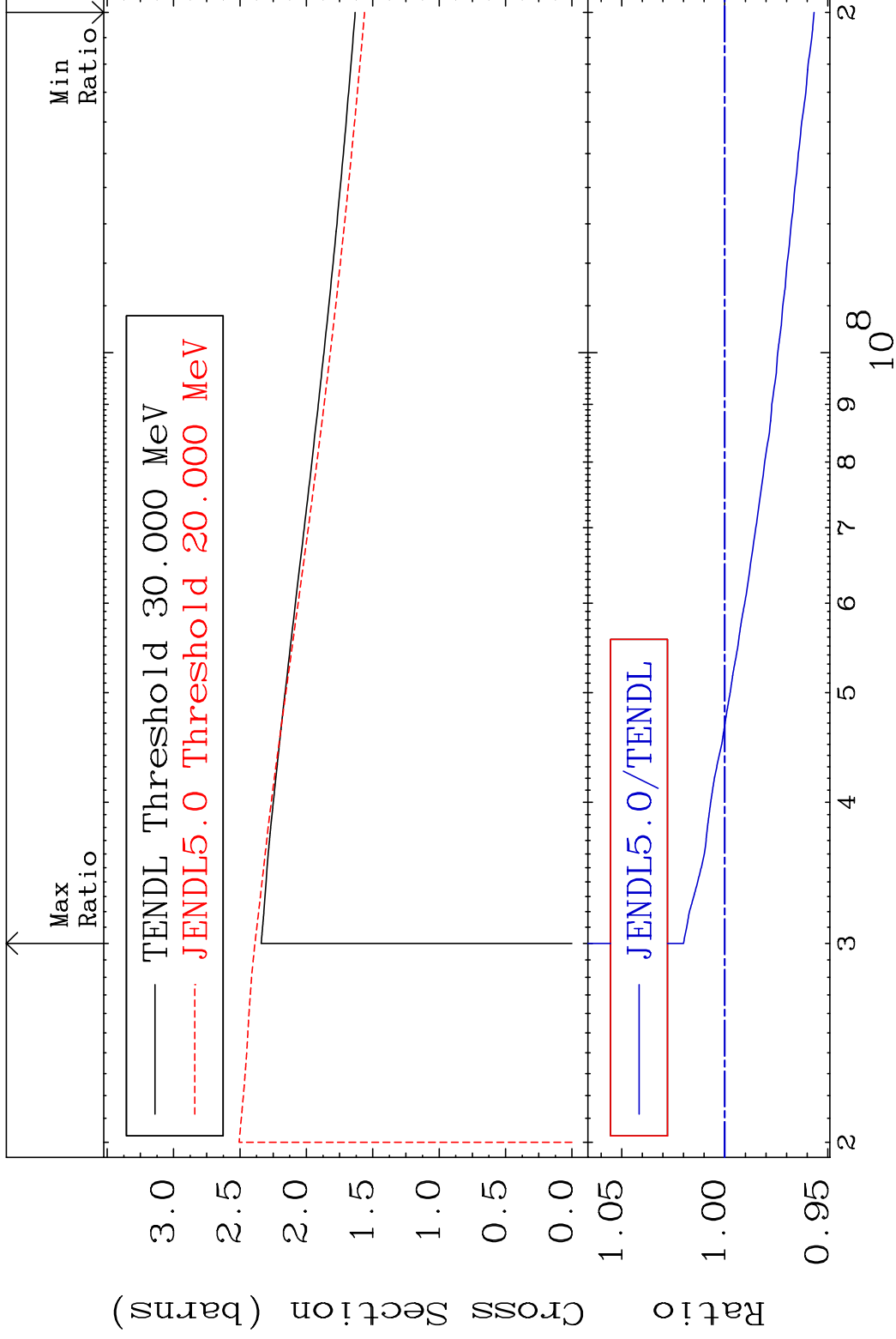
77-Ir-191

MAT 7725

(n, remainder)

77-Ir-191

Cross Section -4.332 To 2.005 %



4

Incident Energy (eV)

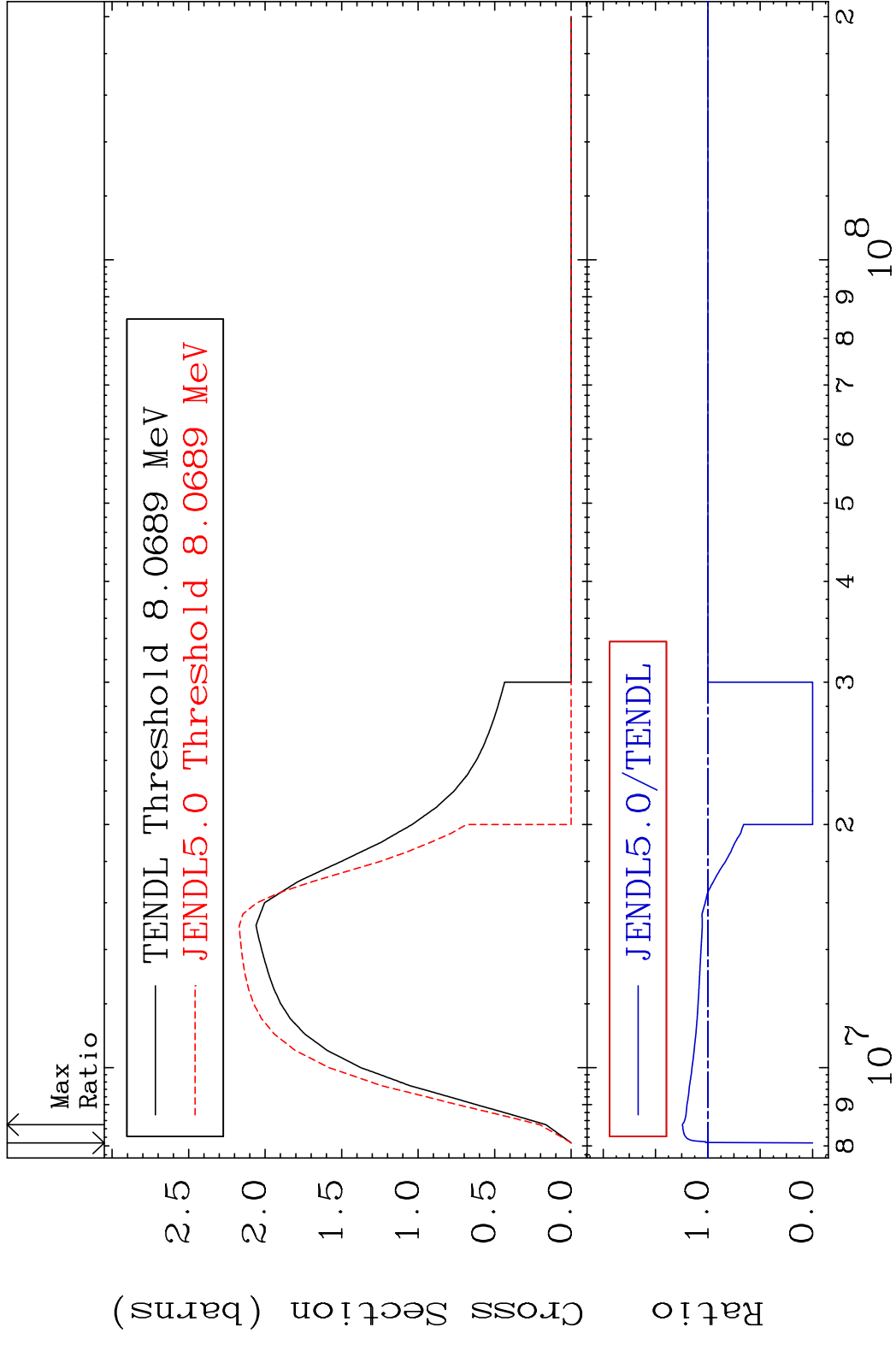
77-Ir-191

MAT 7725

(n,2n)

77-Ir-191

Cross Section -100.0 To 24.35 %



5

Incident Energy (eV)

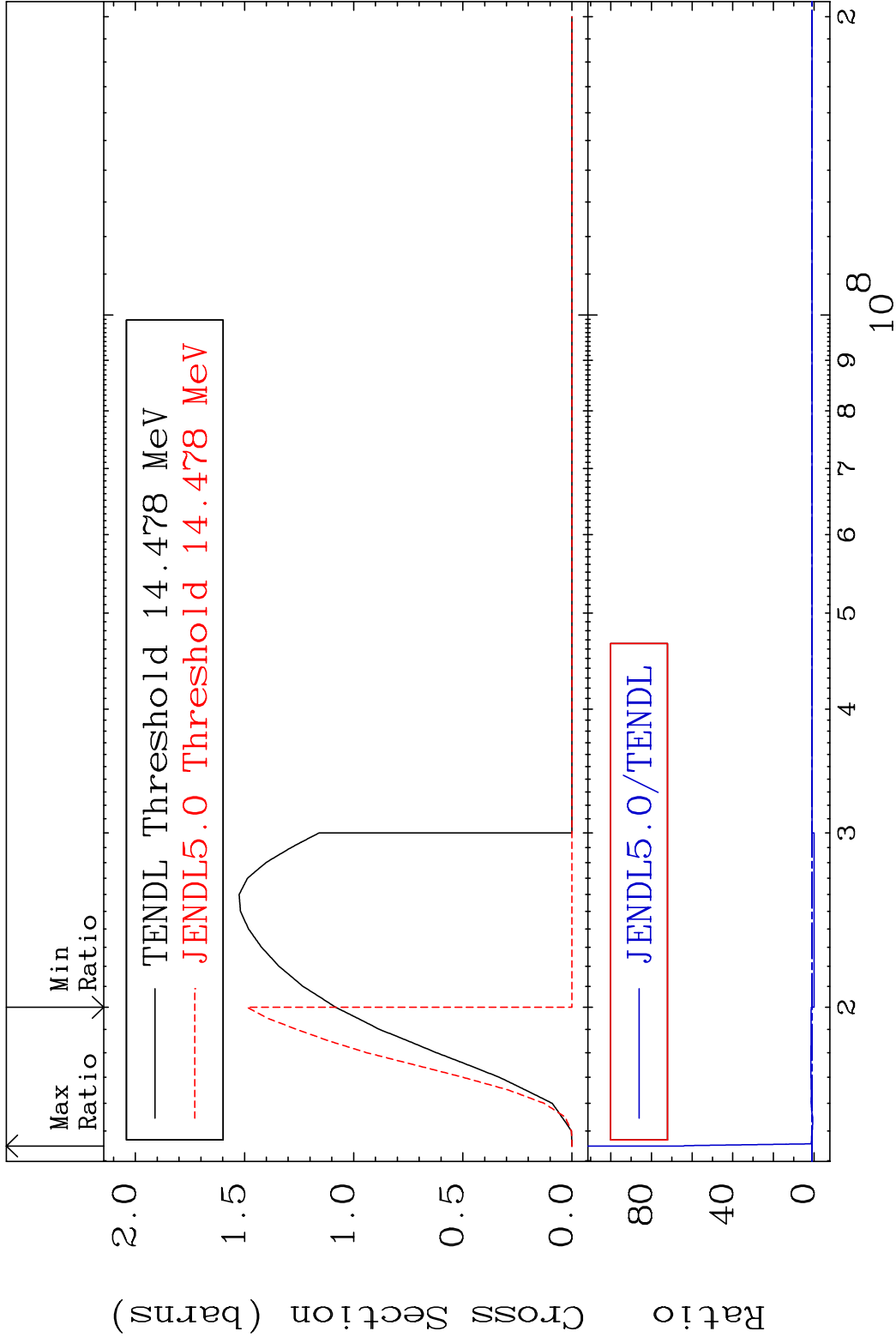
77-Ir-191

MAT 7725

(n,3n)

77-Ir-191

Cross Section -100.0 To 6326. %



6

Incident Energy (eV)

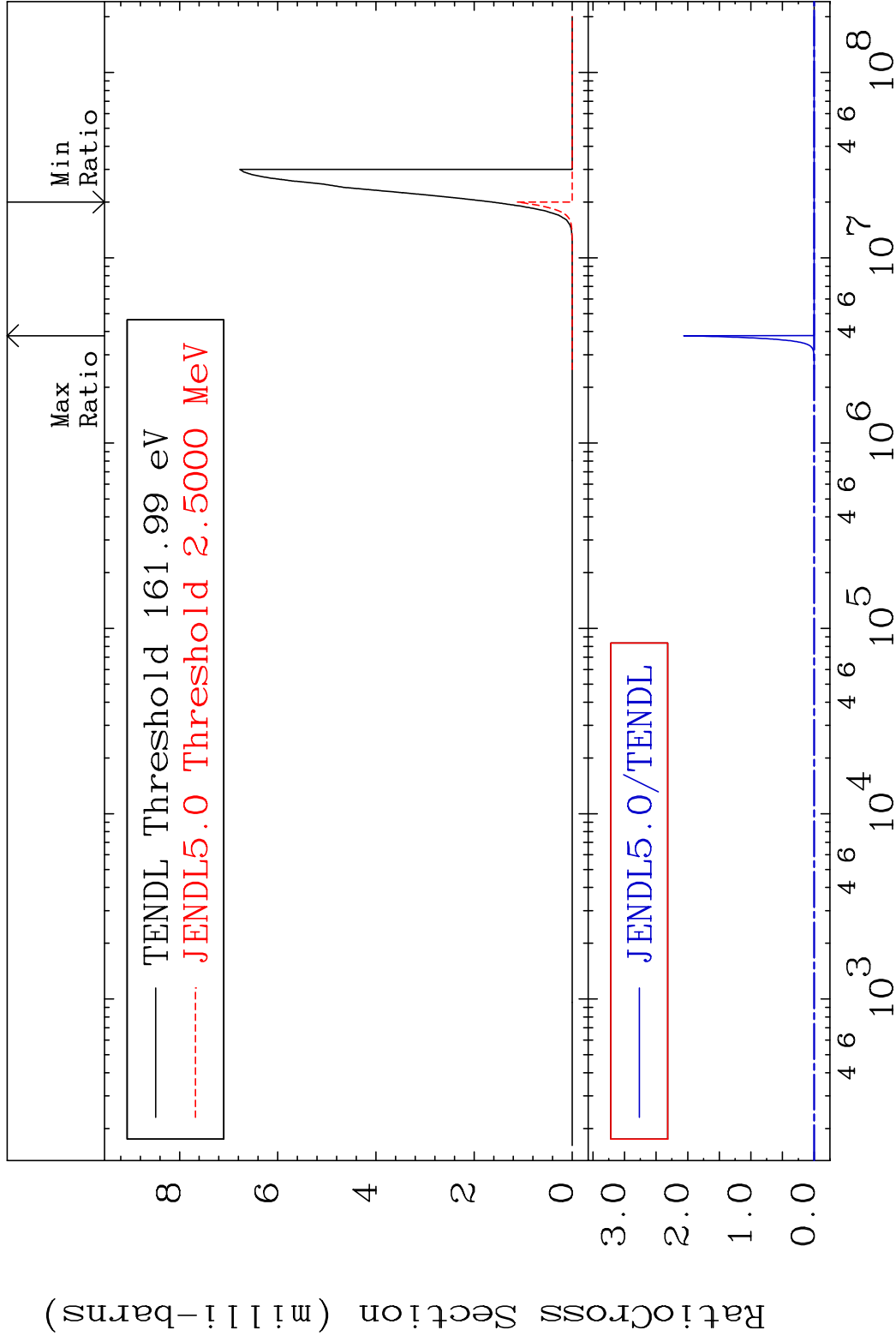
77-Ir-191

MAT 7725

(n, n') α

77-Ir-191

Cross Section -100.0 To 9999. %

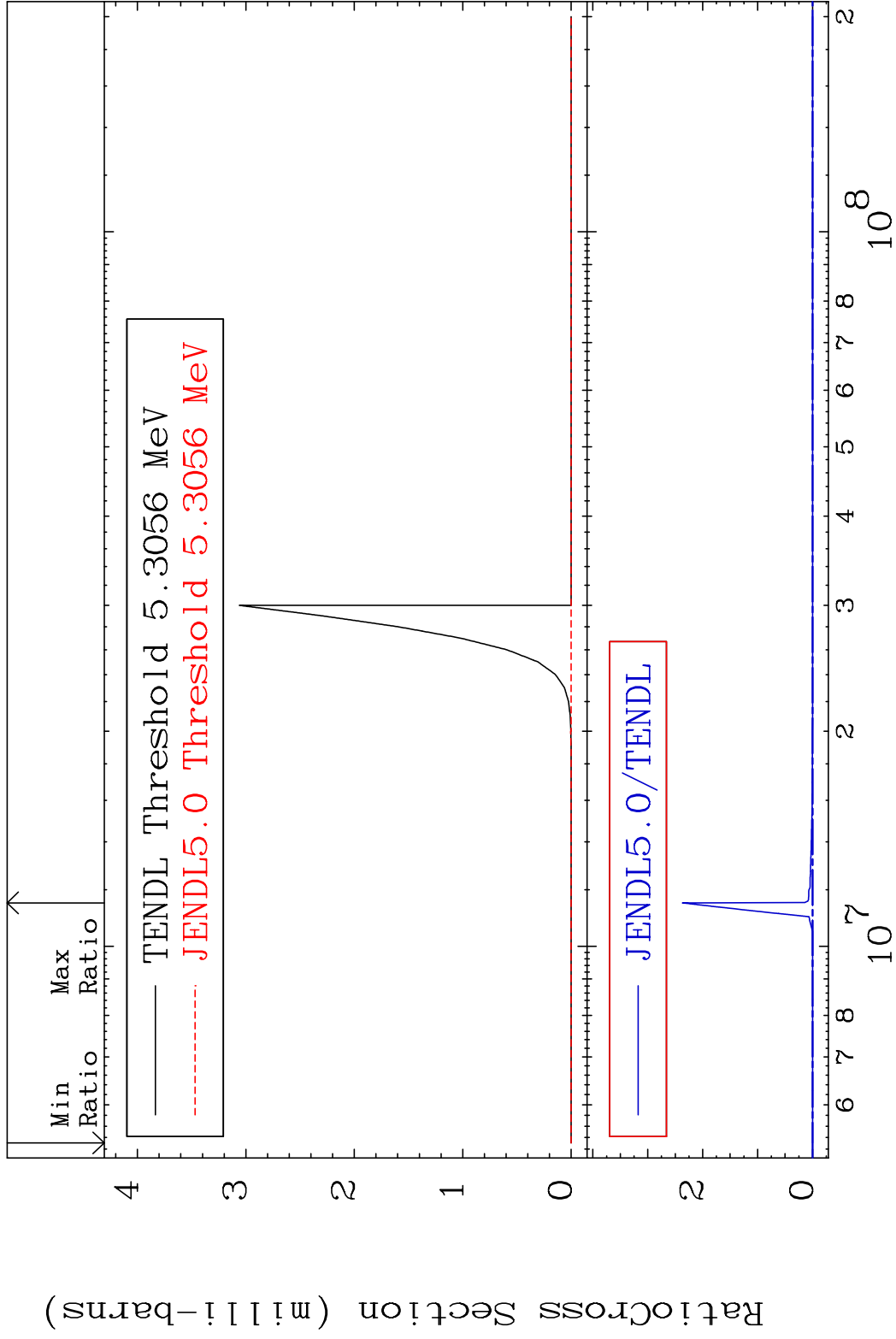


MAT 7725

(n,2n) α

77-Ir-191

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

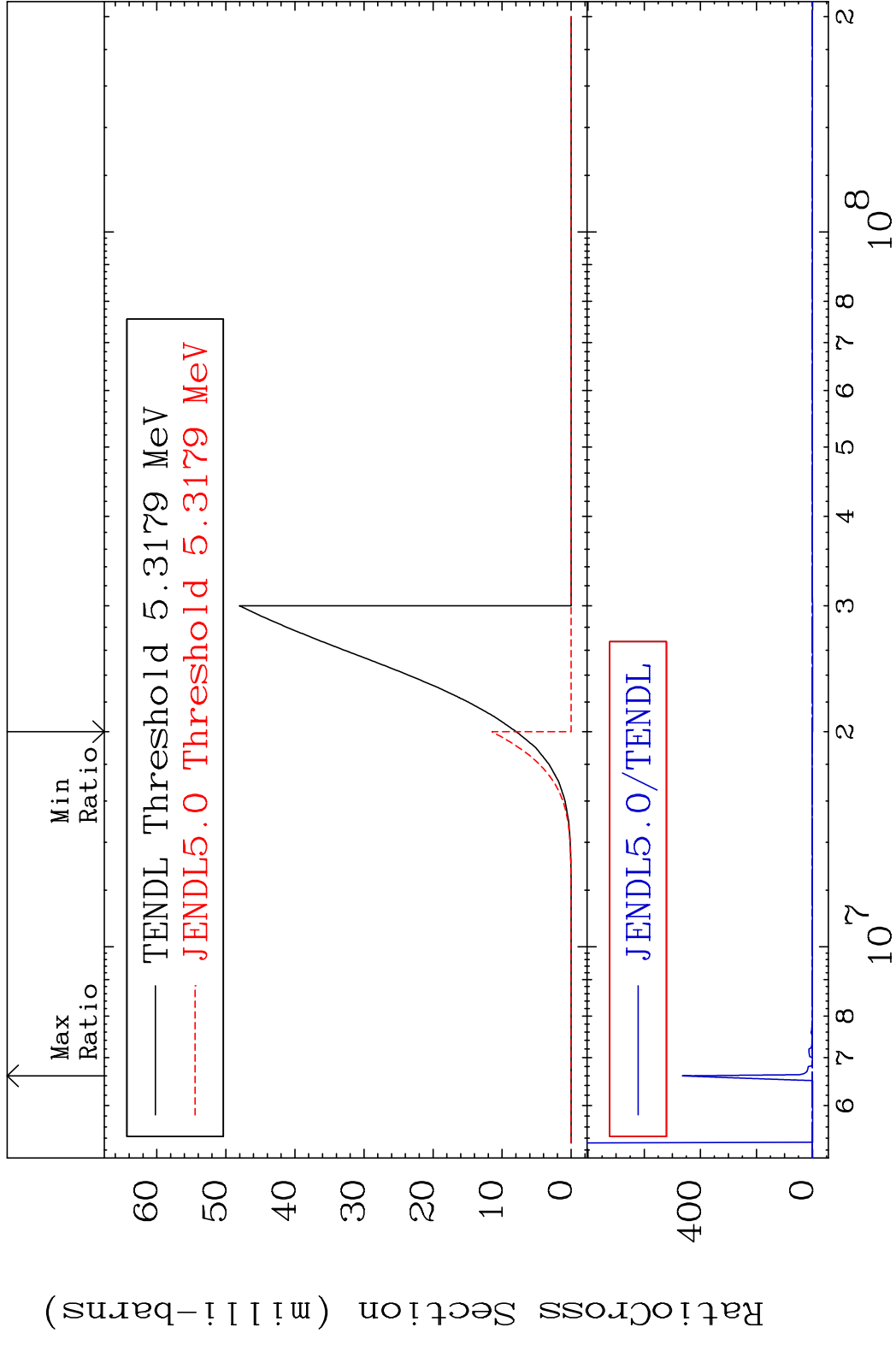
77-Ir-191

MAT 7725

(n, n') p

77-Ir-191

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

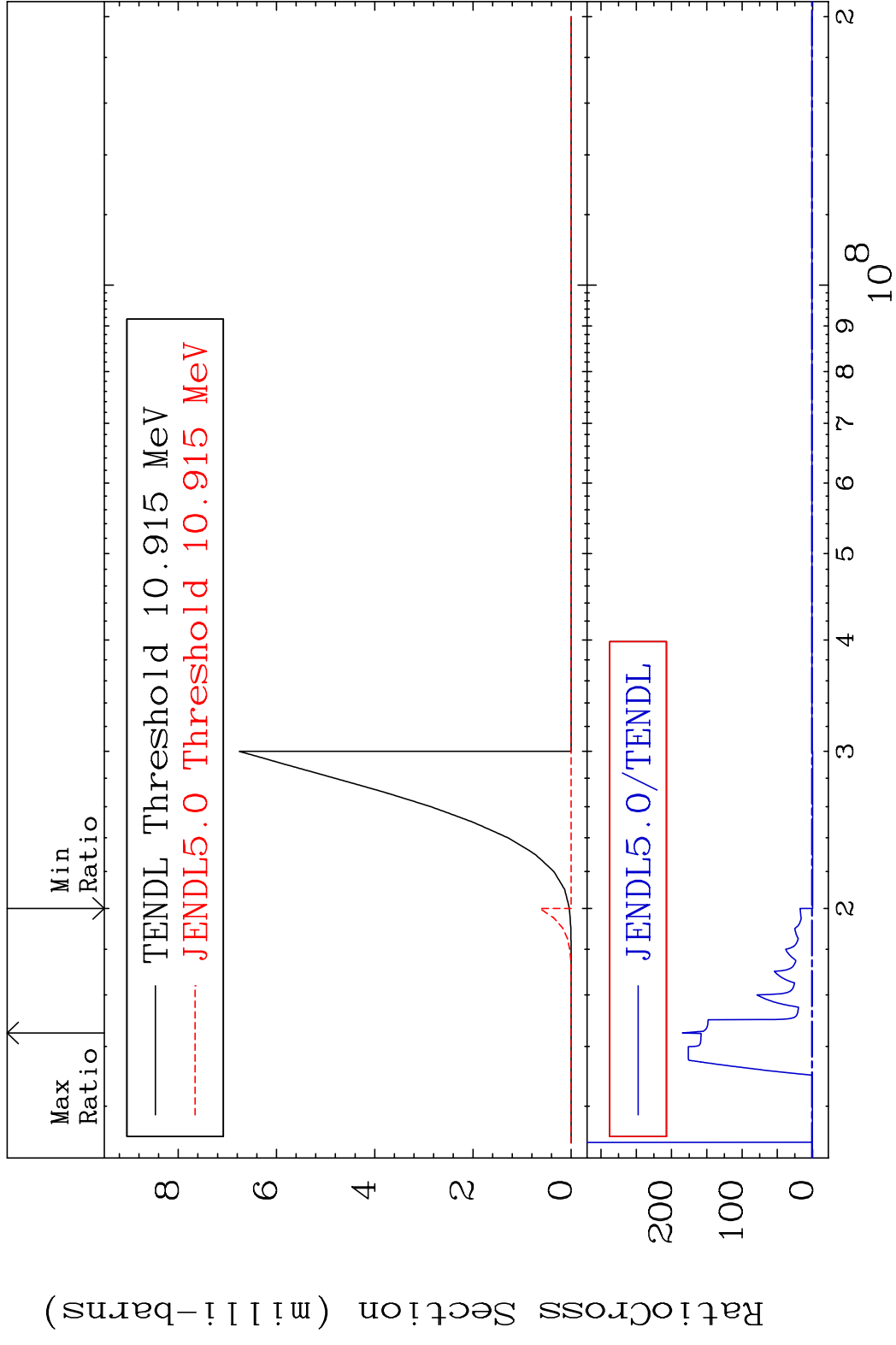
77-Ir-191

MAT 7725

(n, n') d

77-Ir-191

Cross Section -100.0 To 9999. %

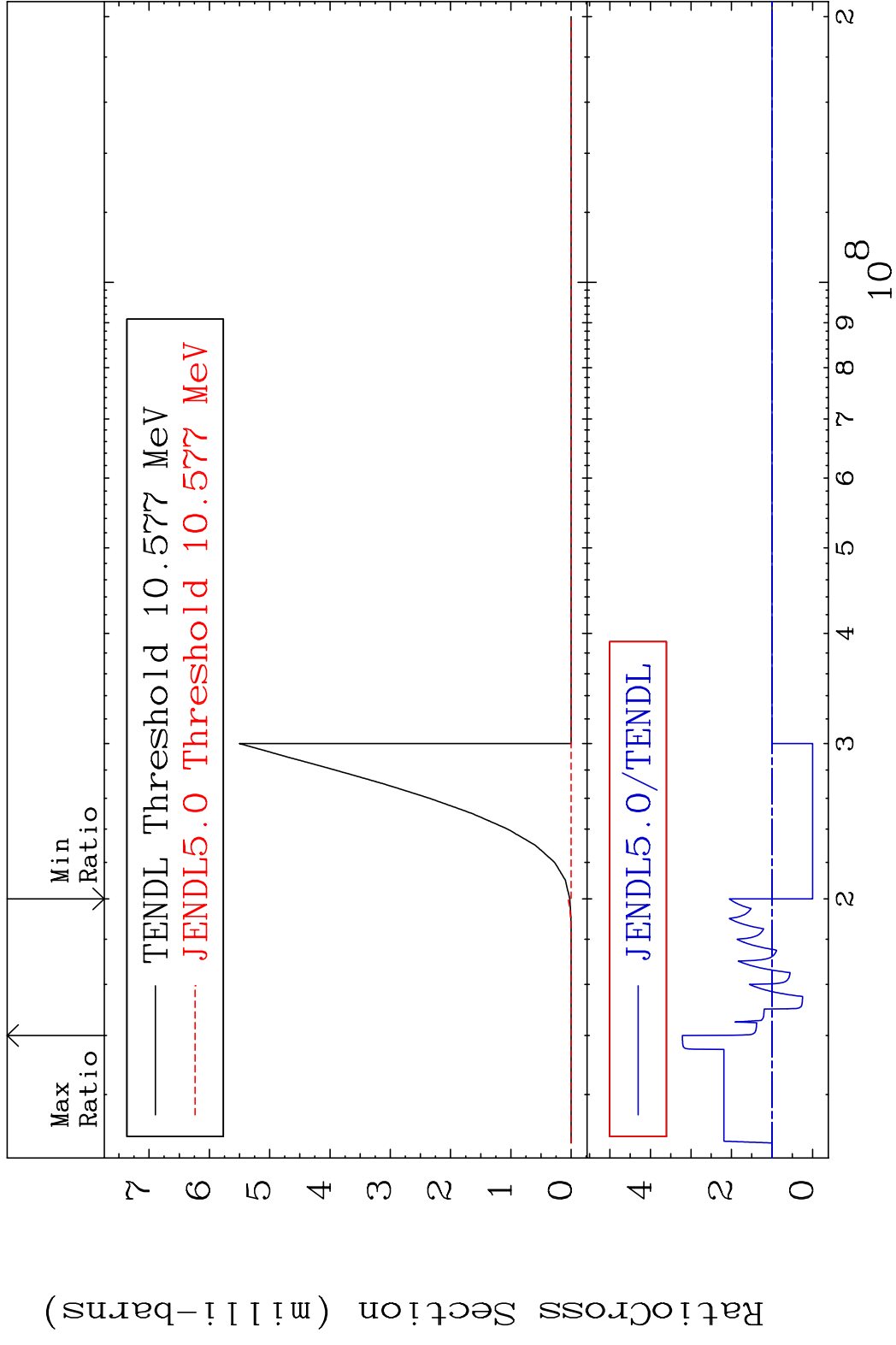


10

Incident Energy (eV)

77-Ir-191

MAT 7725 (n, n') t 77-Ir-191
 Cross Section -100.0 To 221.2 %

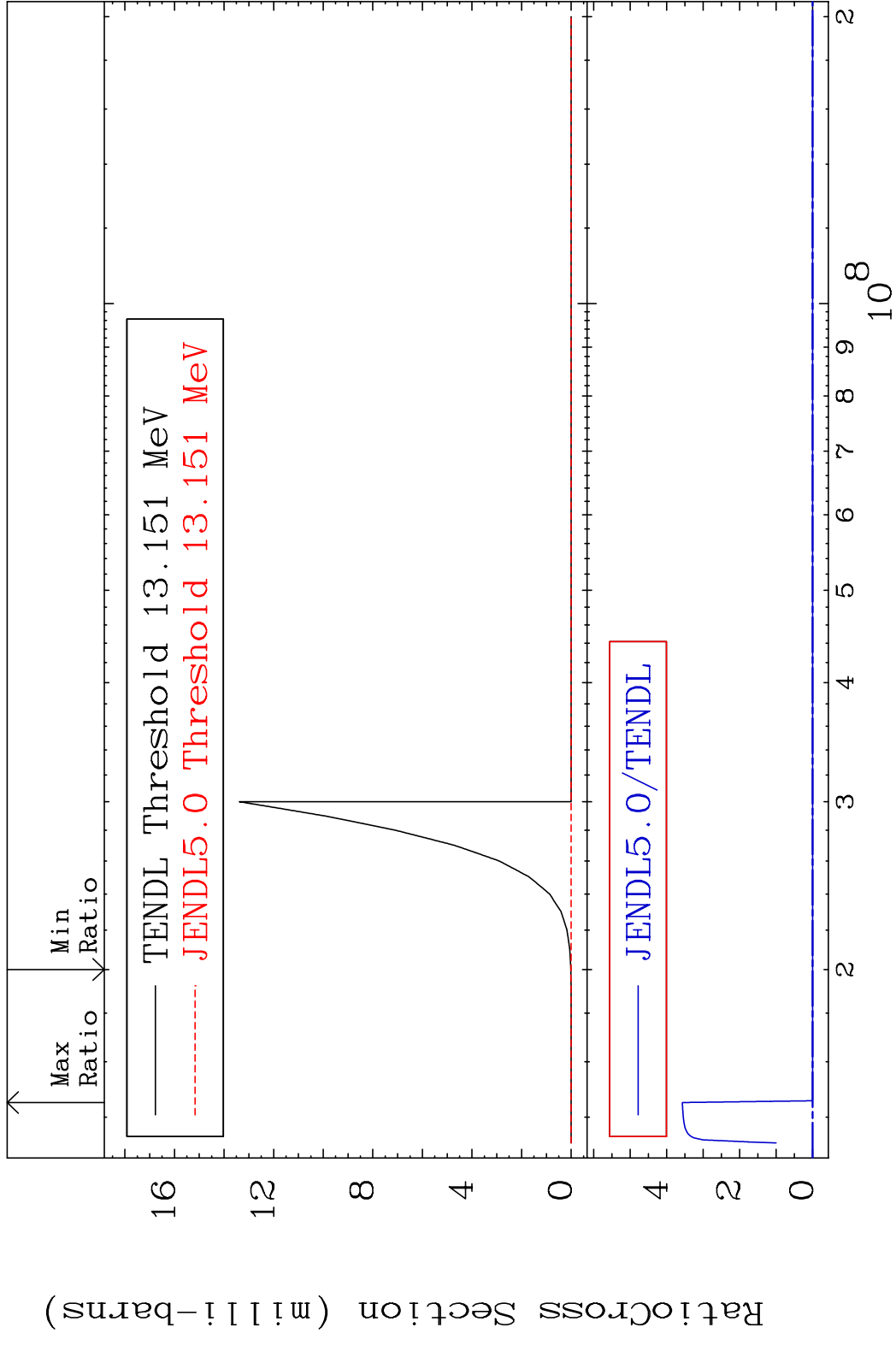


MAT 7725

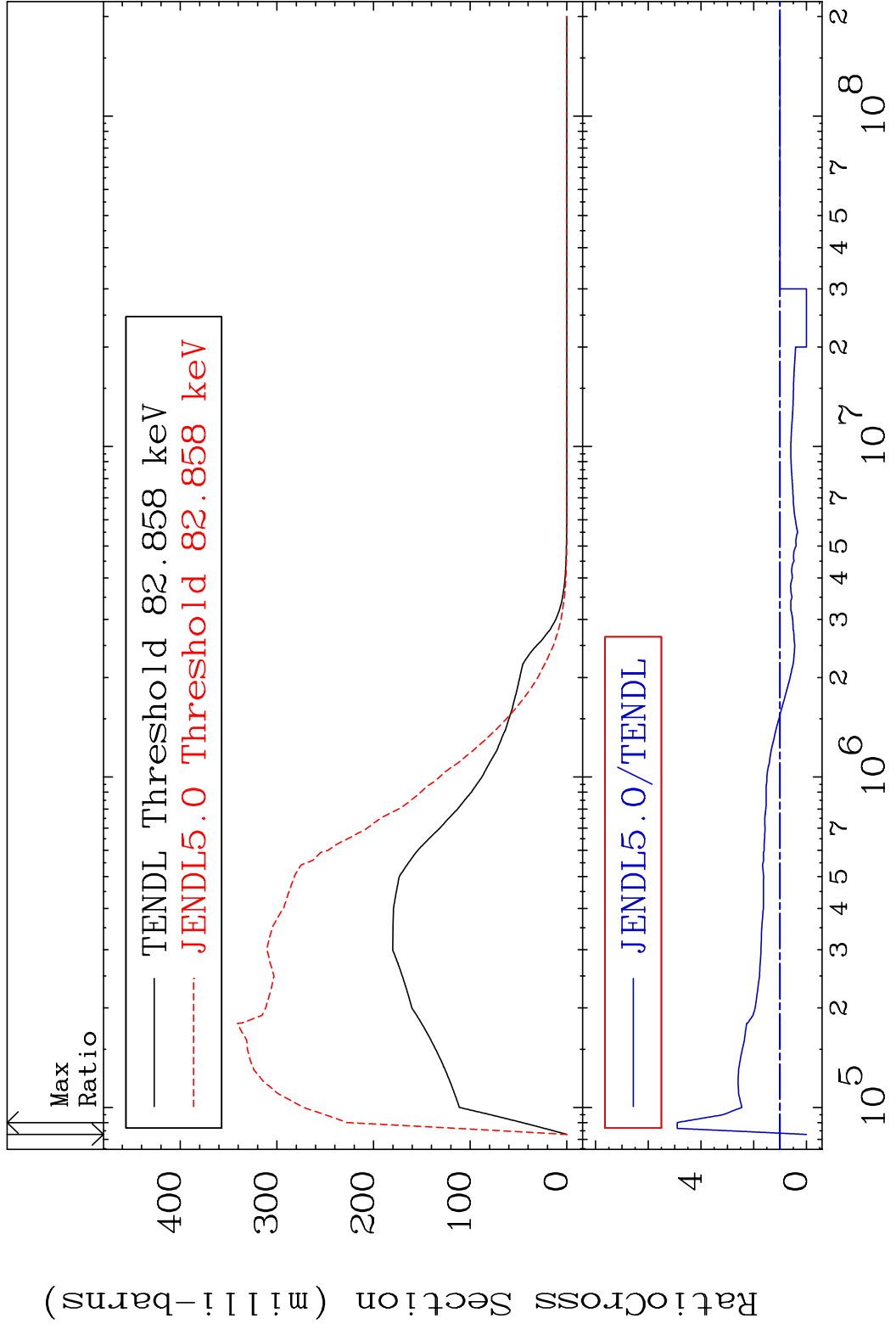
(n,2n) p

77-Ir-191

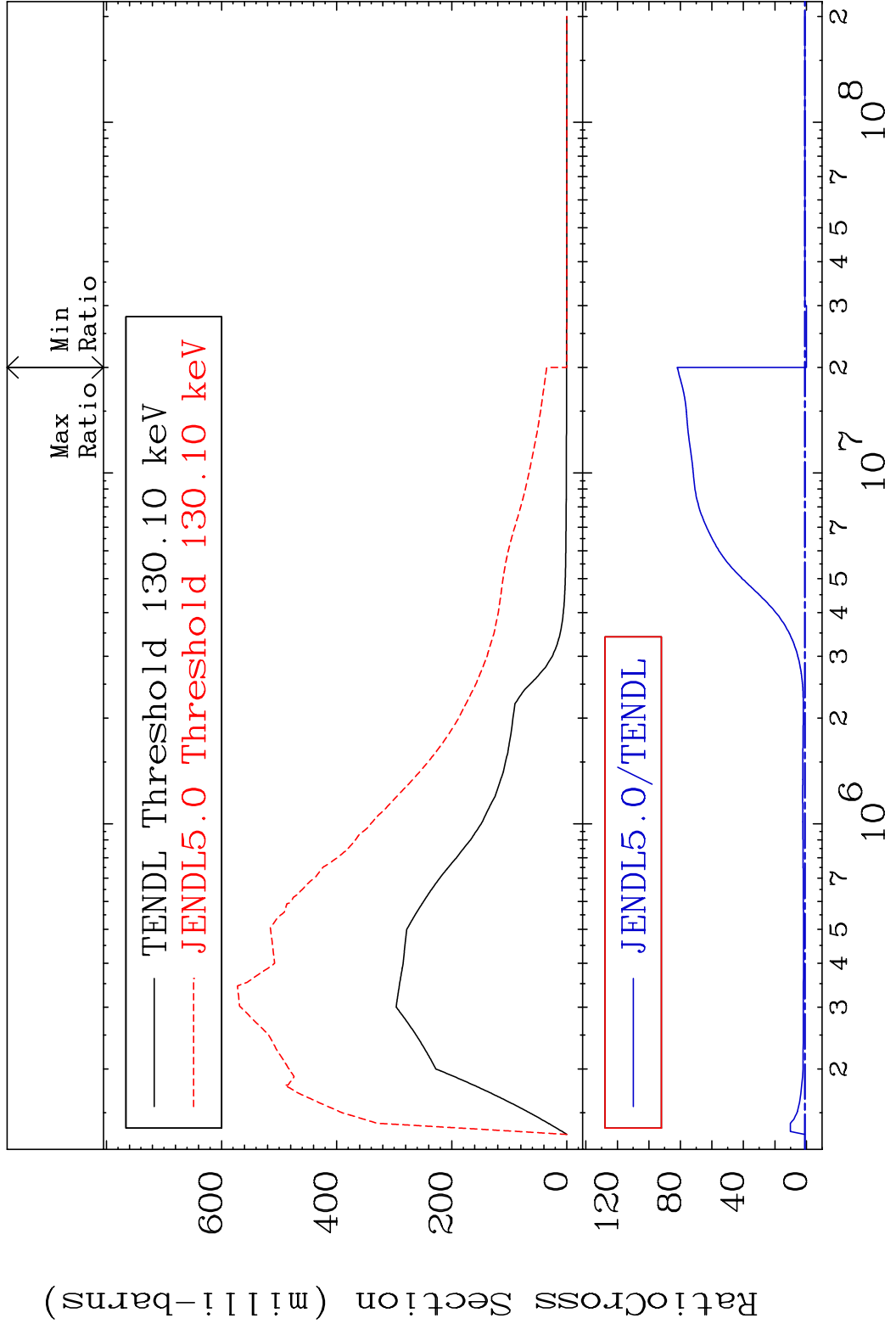
Cross Section -100.0 To 9999. %



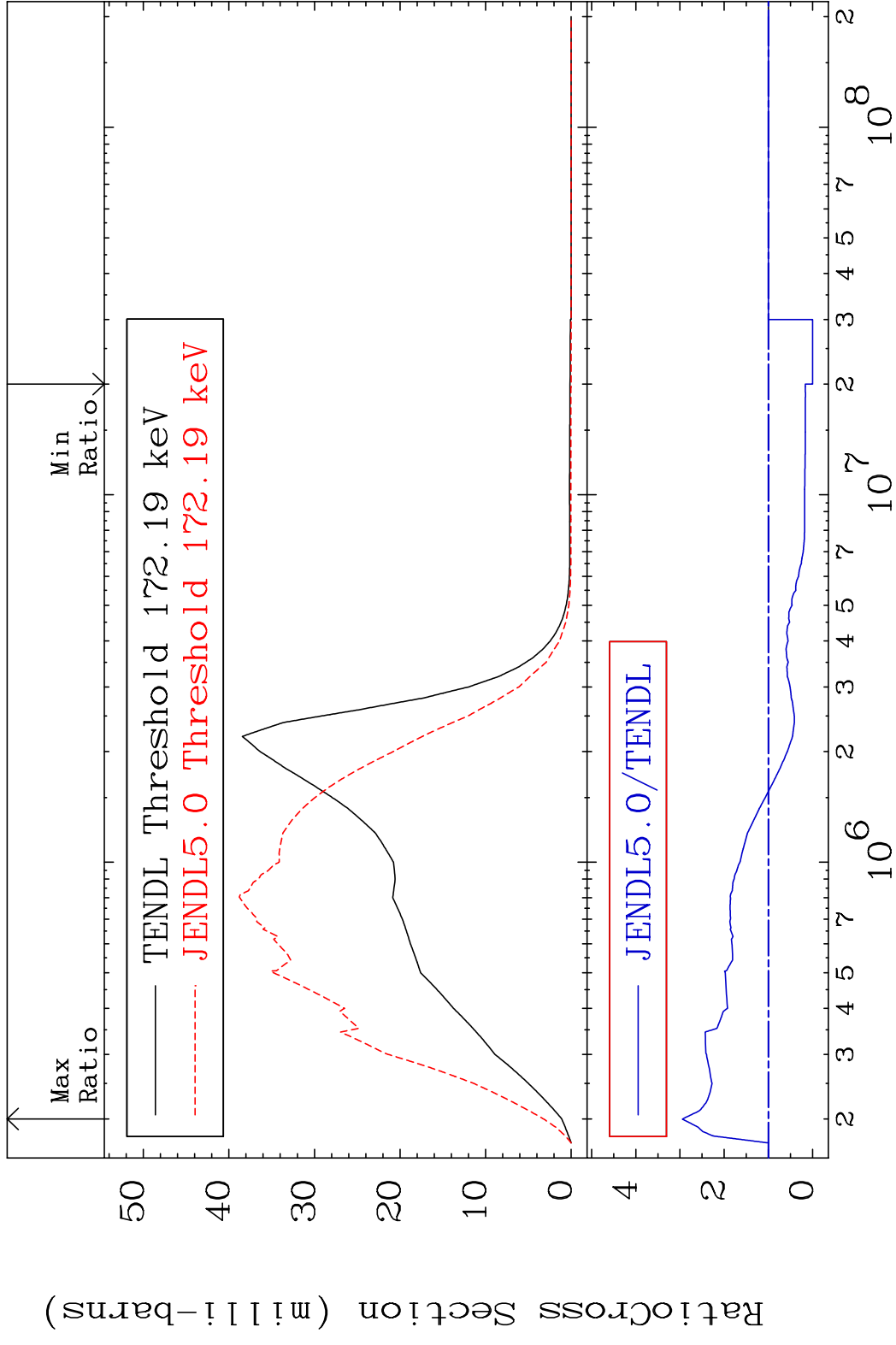
MAT 7725 MT= 51 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 390.4 %



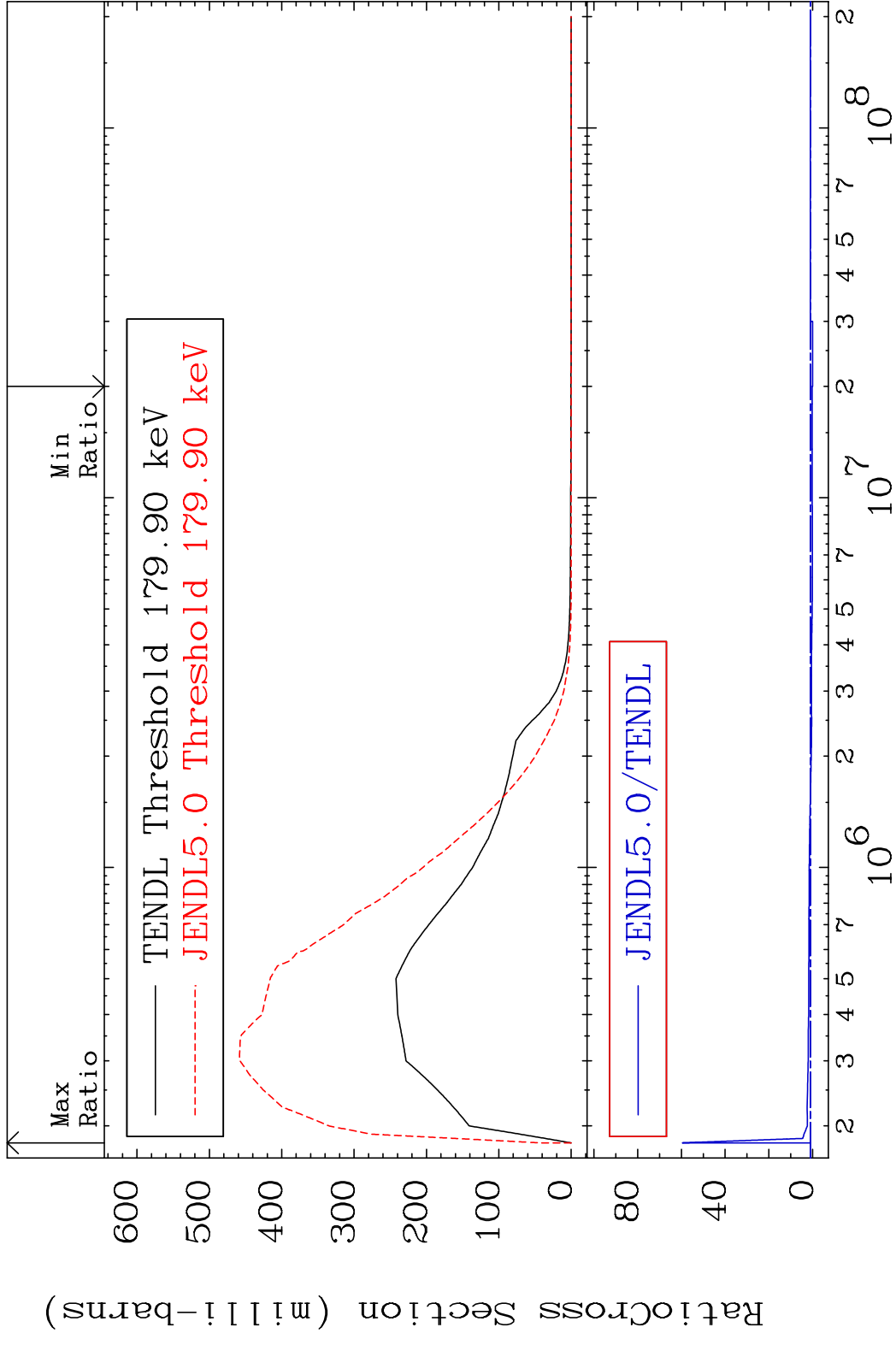
MAT 7725 MT= 52 (n,n') Level 77-Ir-191
 Cross Section -100.0 To 8104. %



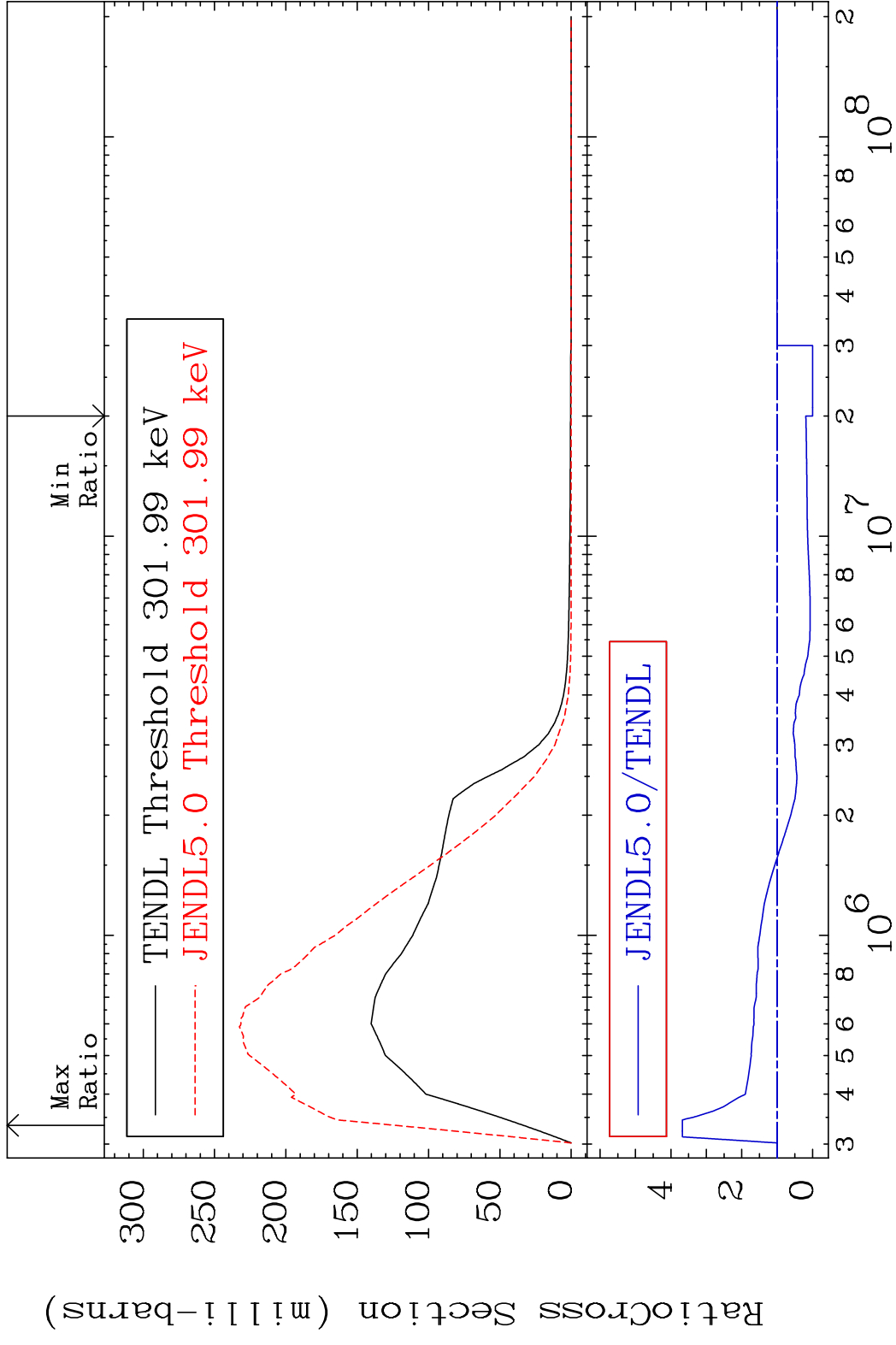
MAT 7725 MT= 53 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 194.7 %



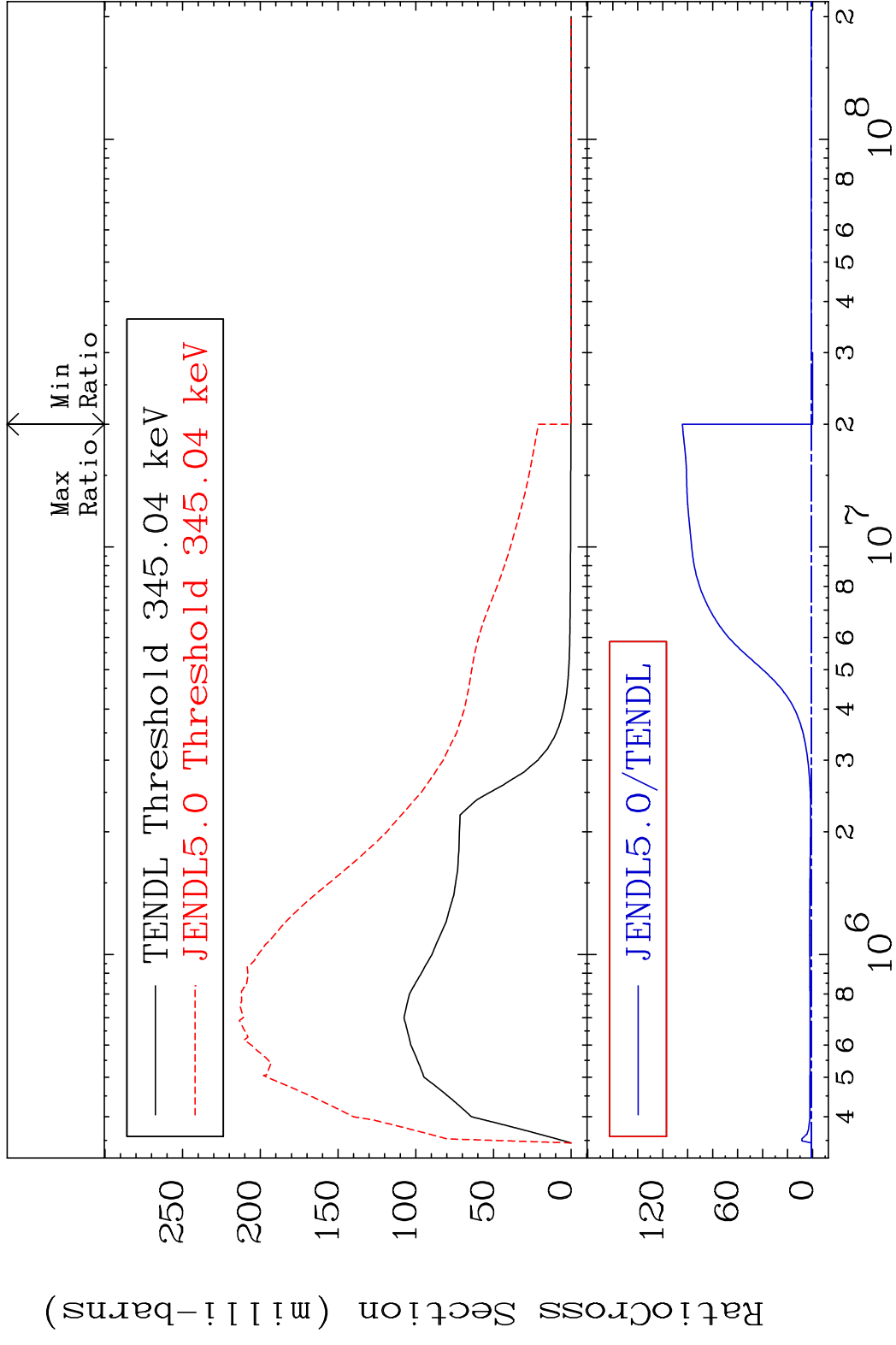
MAT 7725 MT= 54 (n,n') Level 77-Ir-191
 Cross Section -100.0 To 5857. %



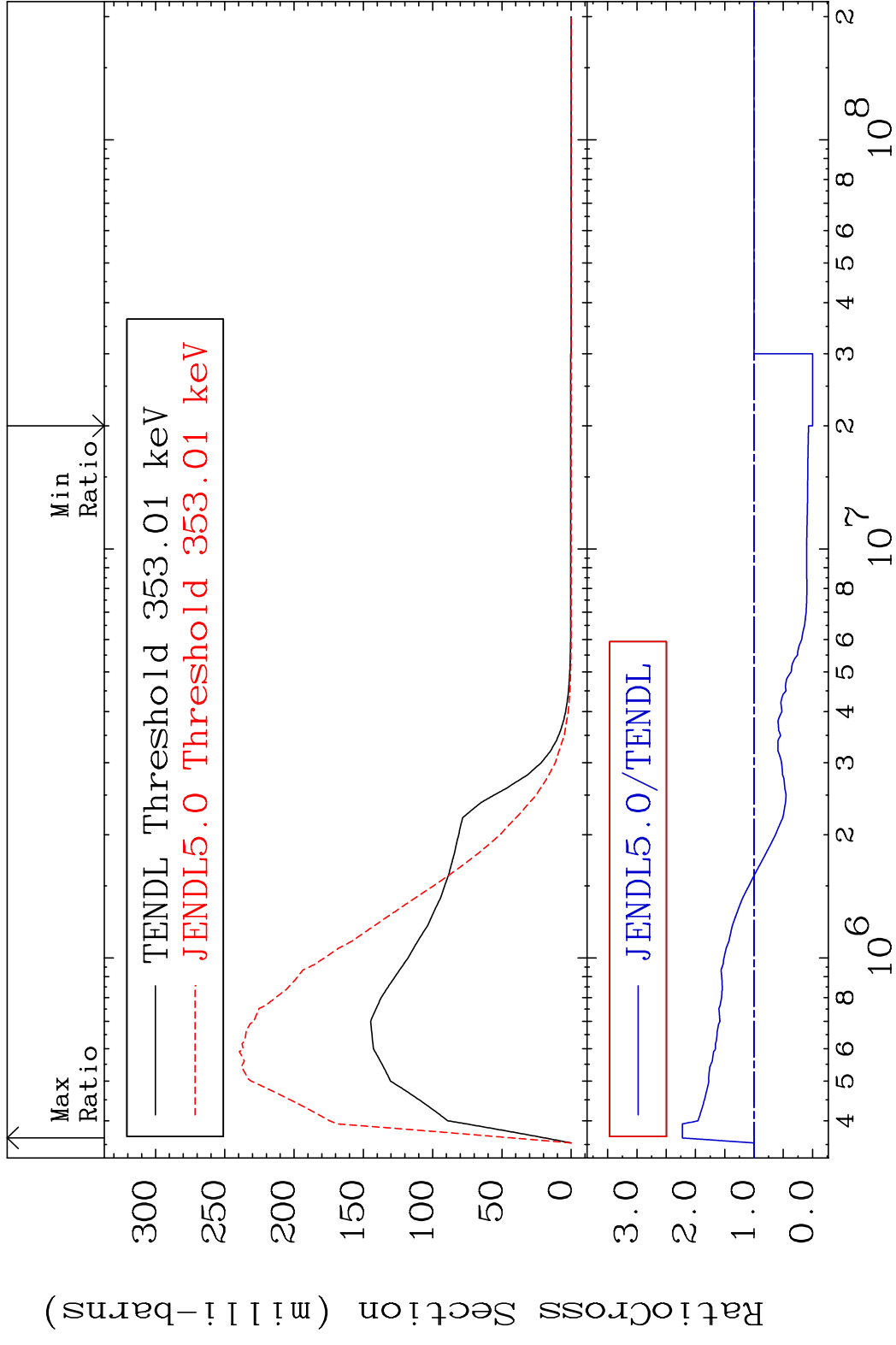
MAT 7725 MT= 55 (n,n') Level 77-Ir-191
 Cross Section -100.0 To 267.6 %



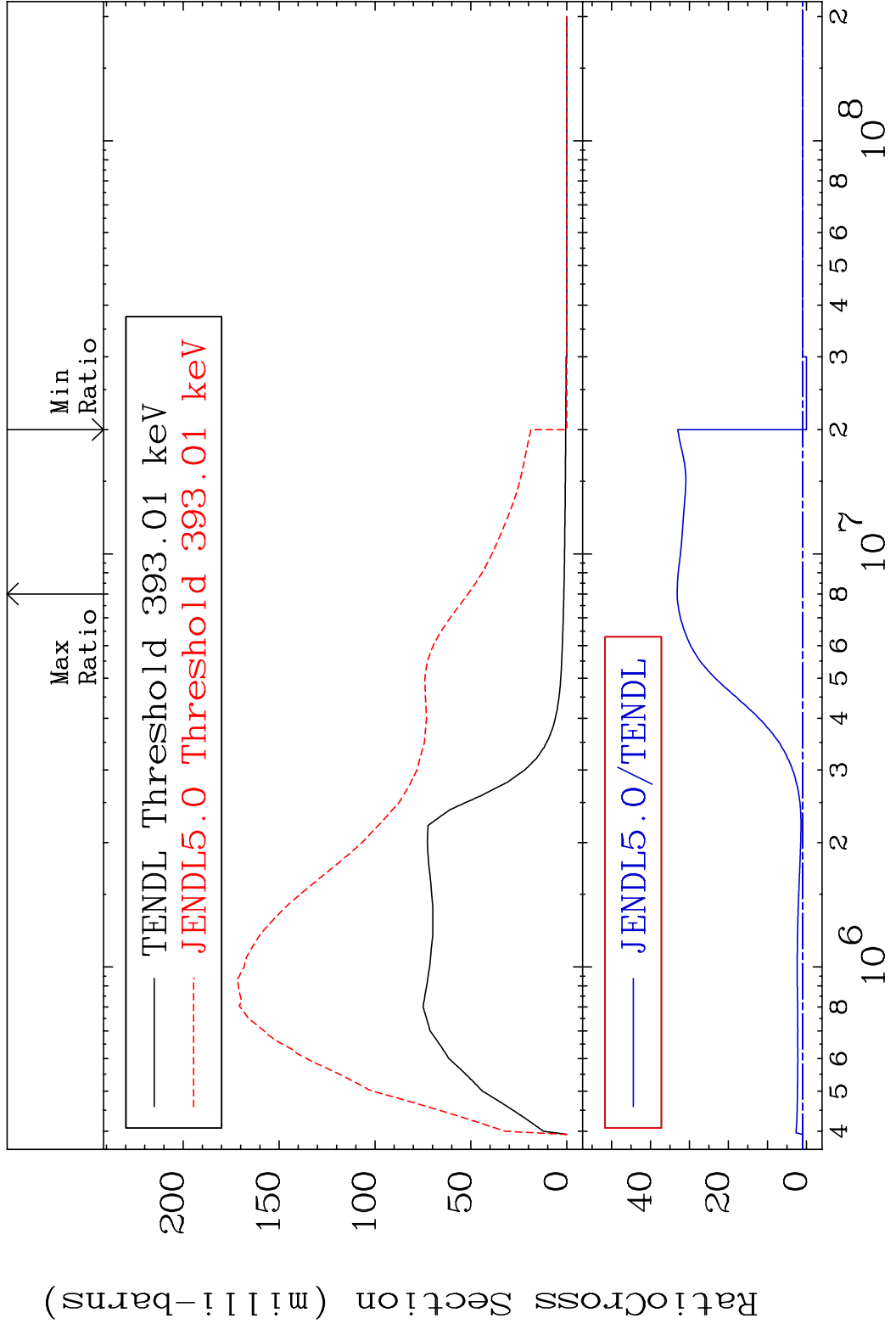
MAT 7725 MT= 56 (n,n') Level 77-Ir-191
 Cross Section -100.0 To 9999. %



MAT 7725 MT= 57 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 122.4 %

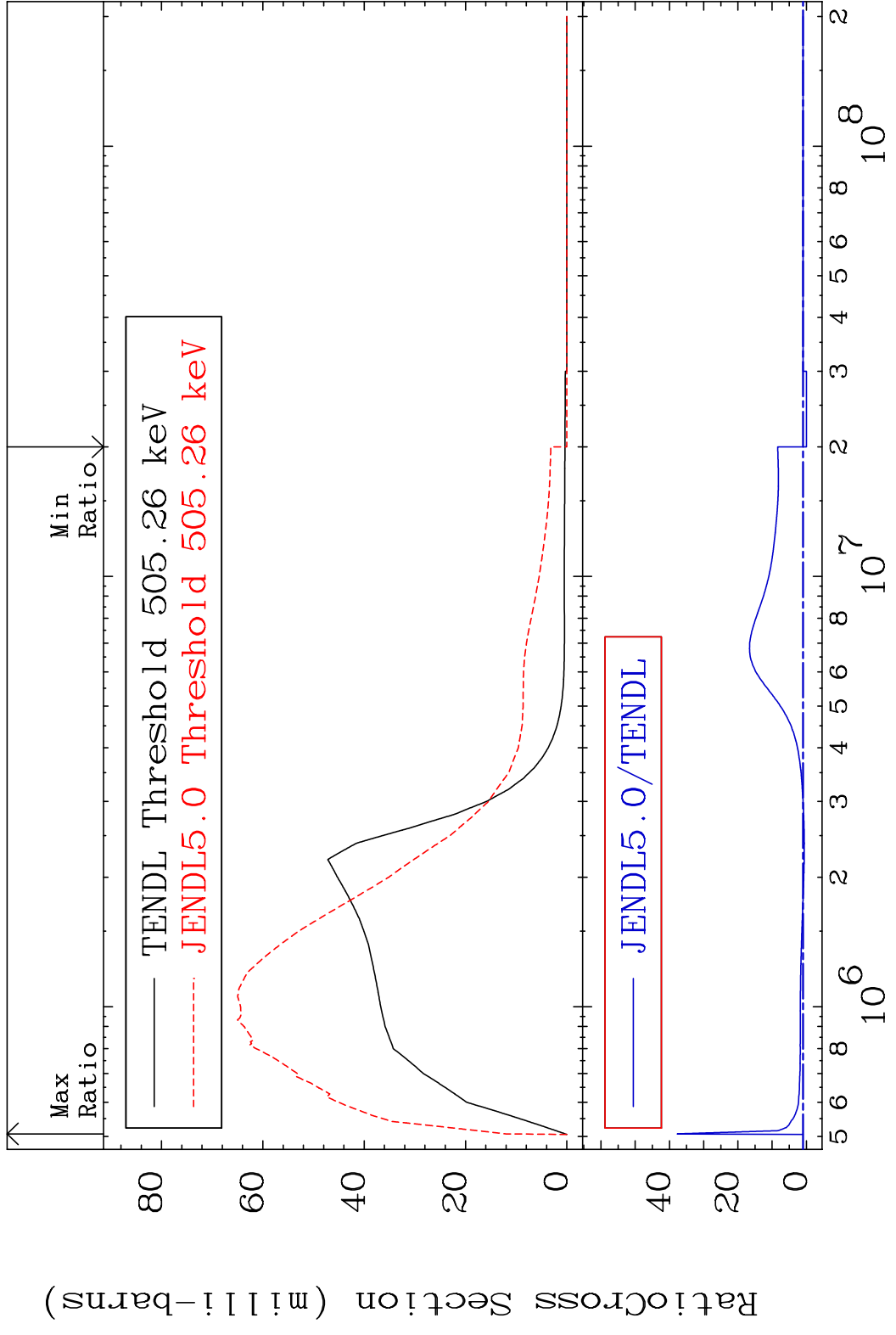


MAT 7725 MT= 58 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 3215. %

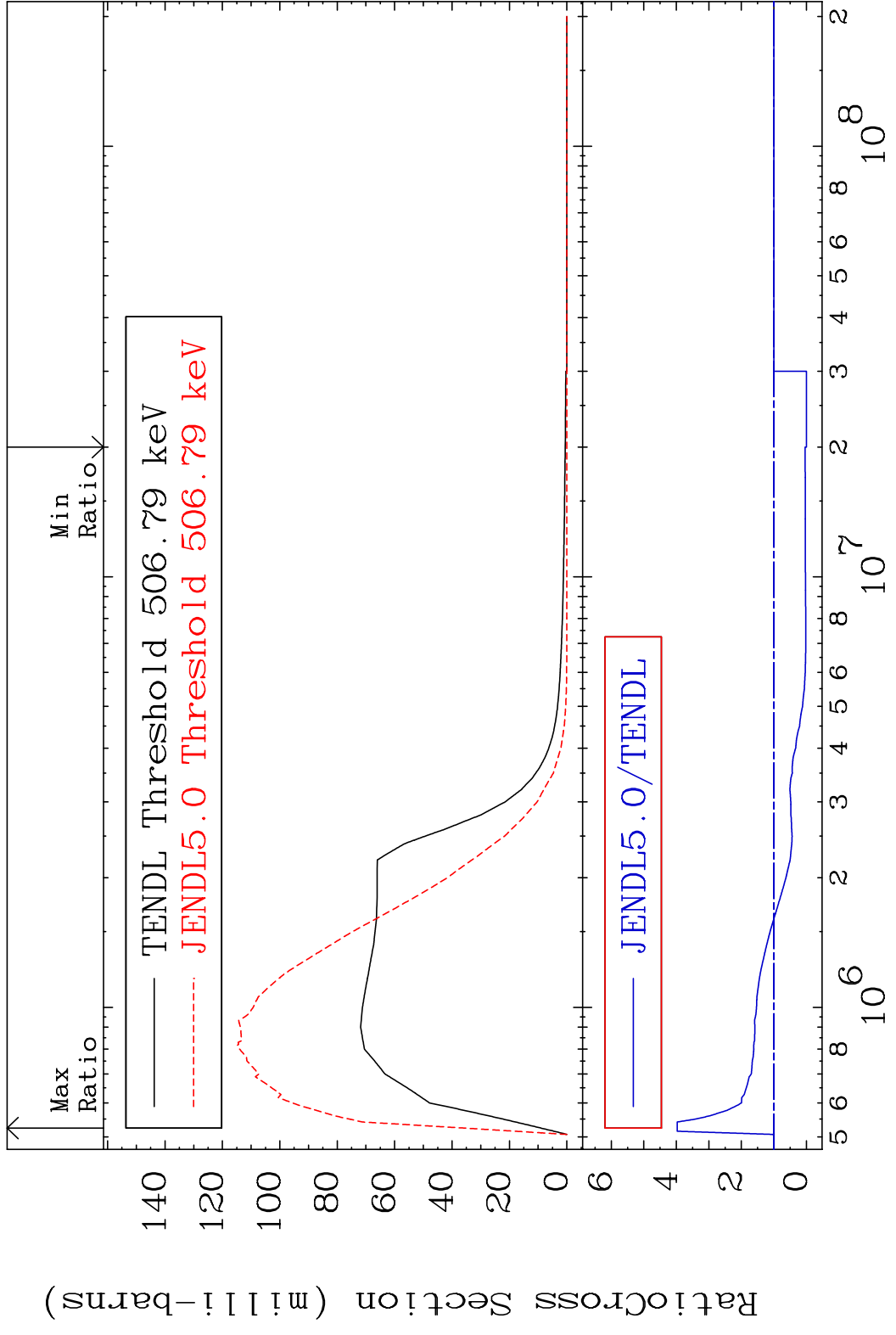


20 77-Ir-191

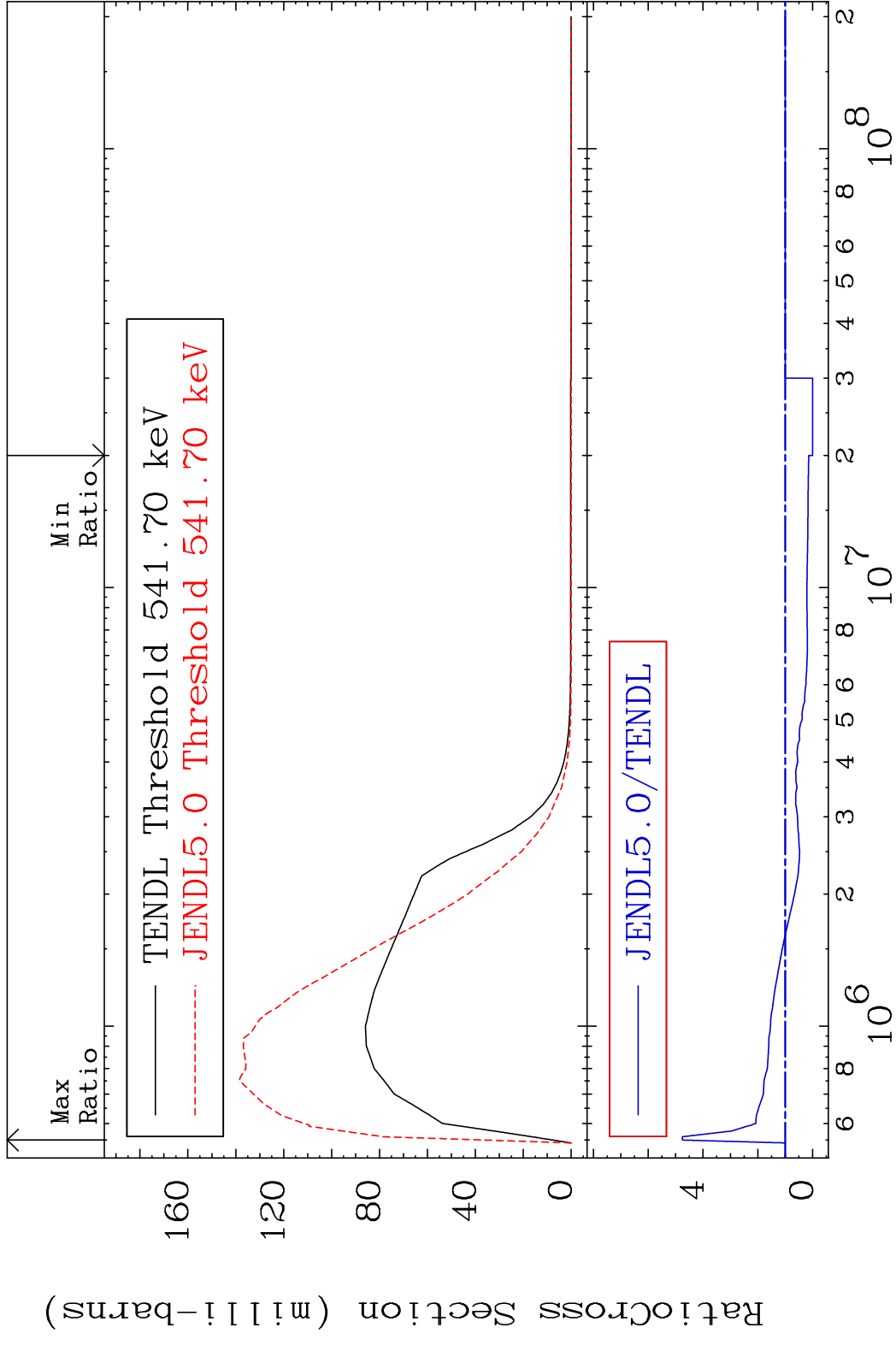
MAT 7725 MT= 59 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 3673. %



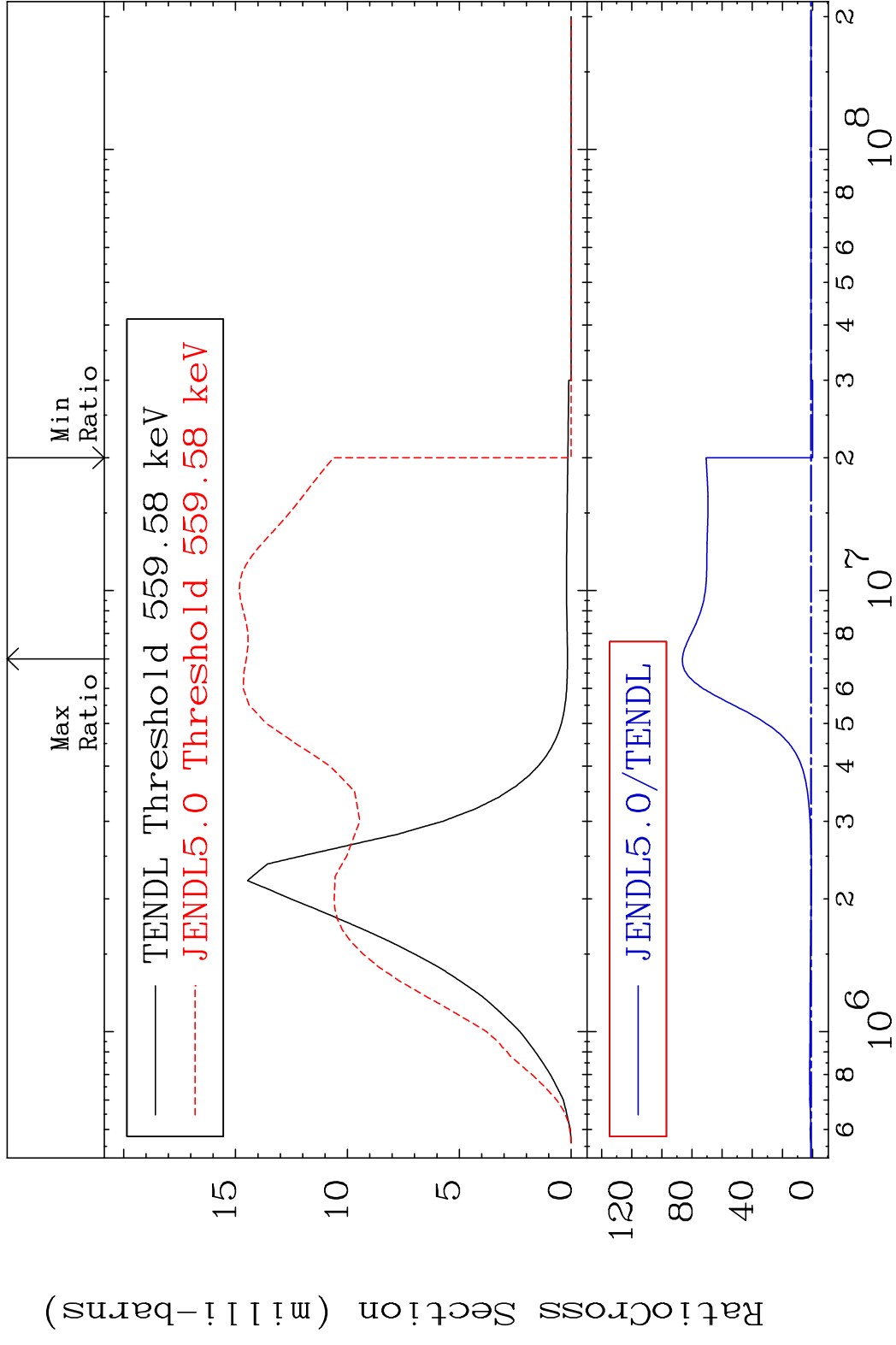
MAT 7725 MT= 60 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 297.4 %



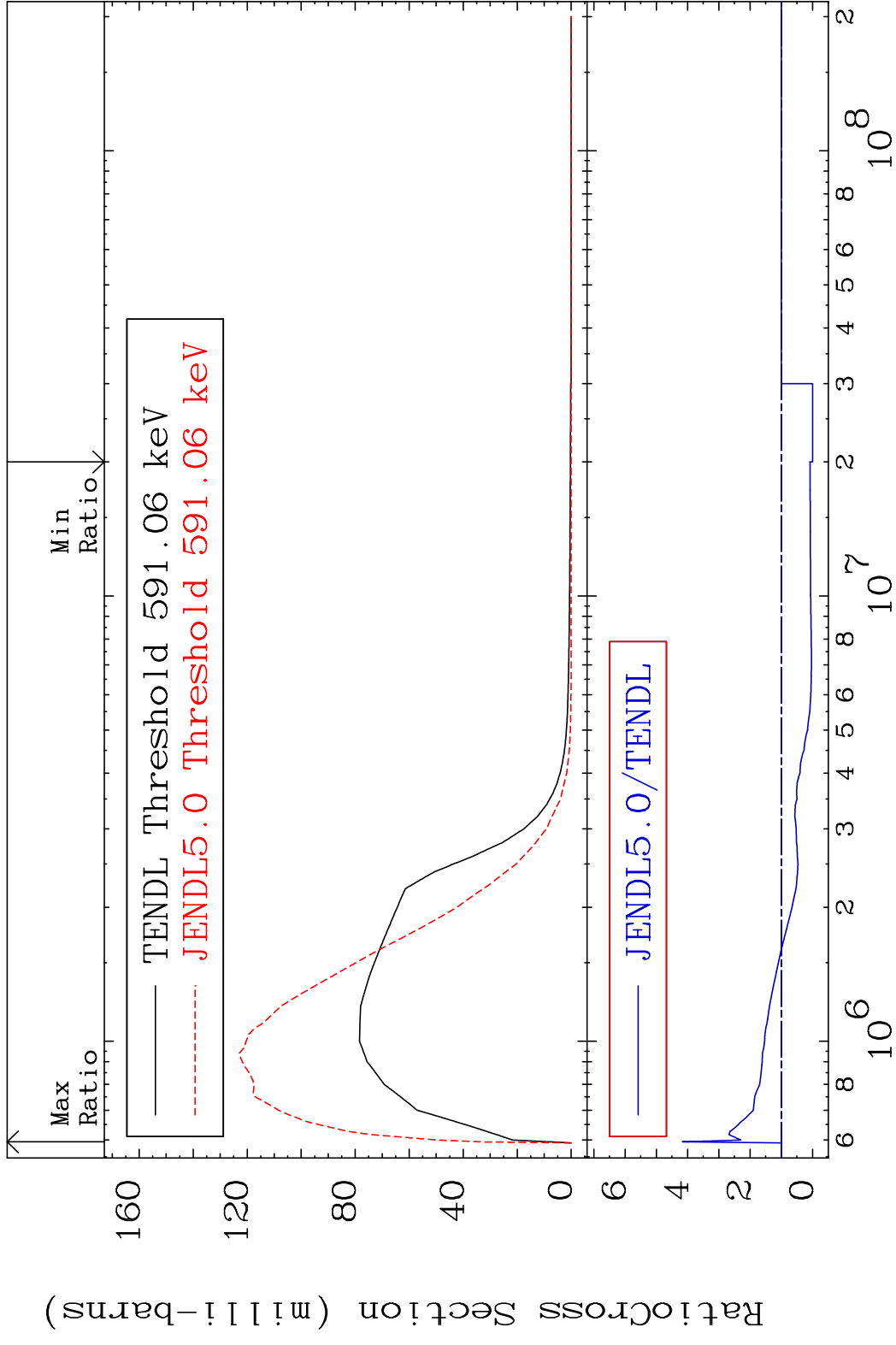
MAT 7725 MT= 61 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 375.4 %



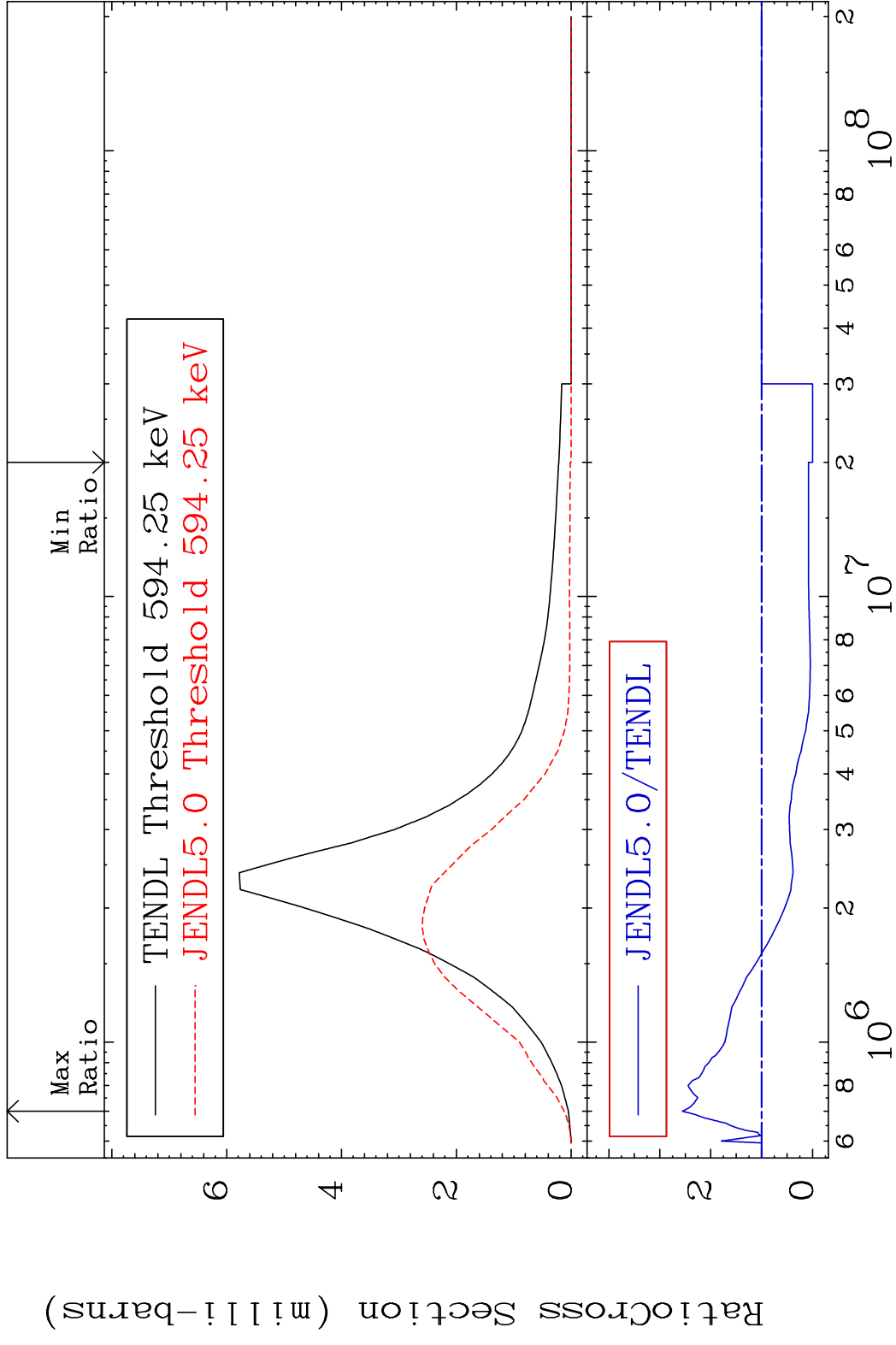
MAT 7725 MT= 62 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 8541. %



MAT 7725 MT= 63 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 316.7 %

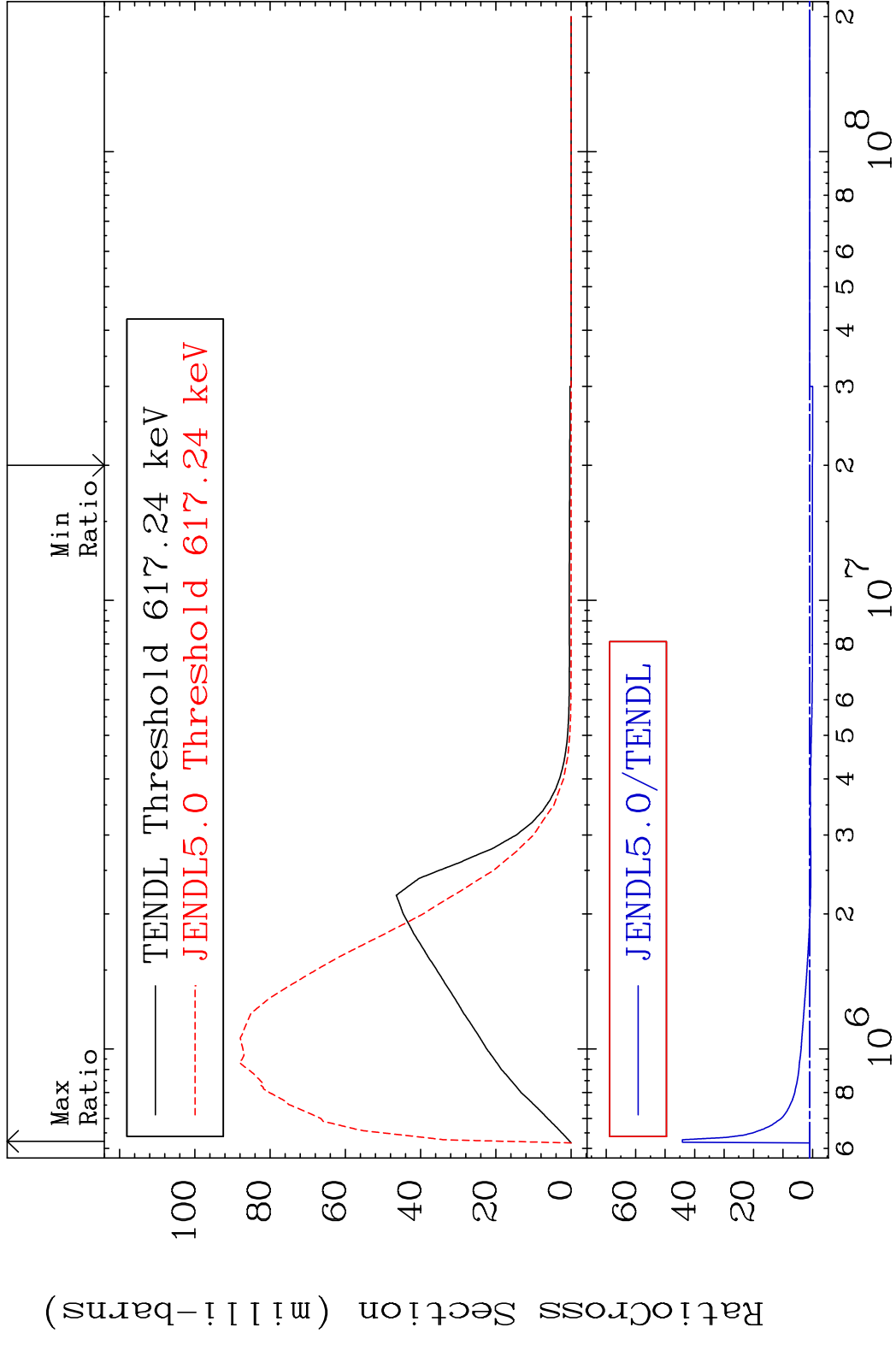


MAT 7725 MT= 64 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 155.7 %

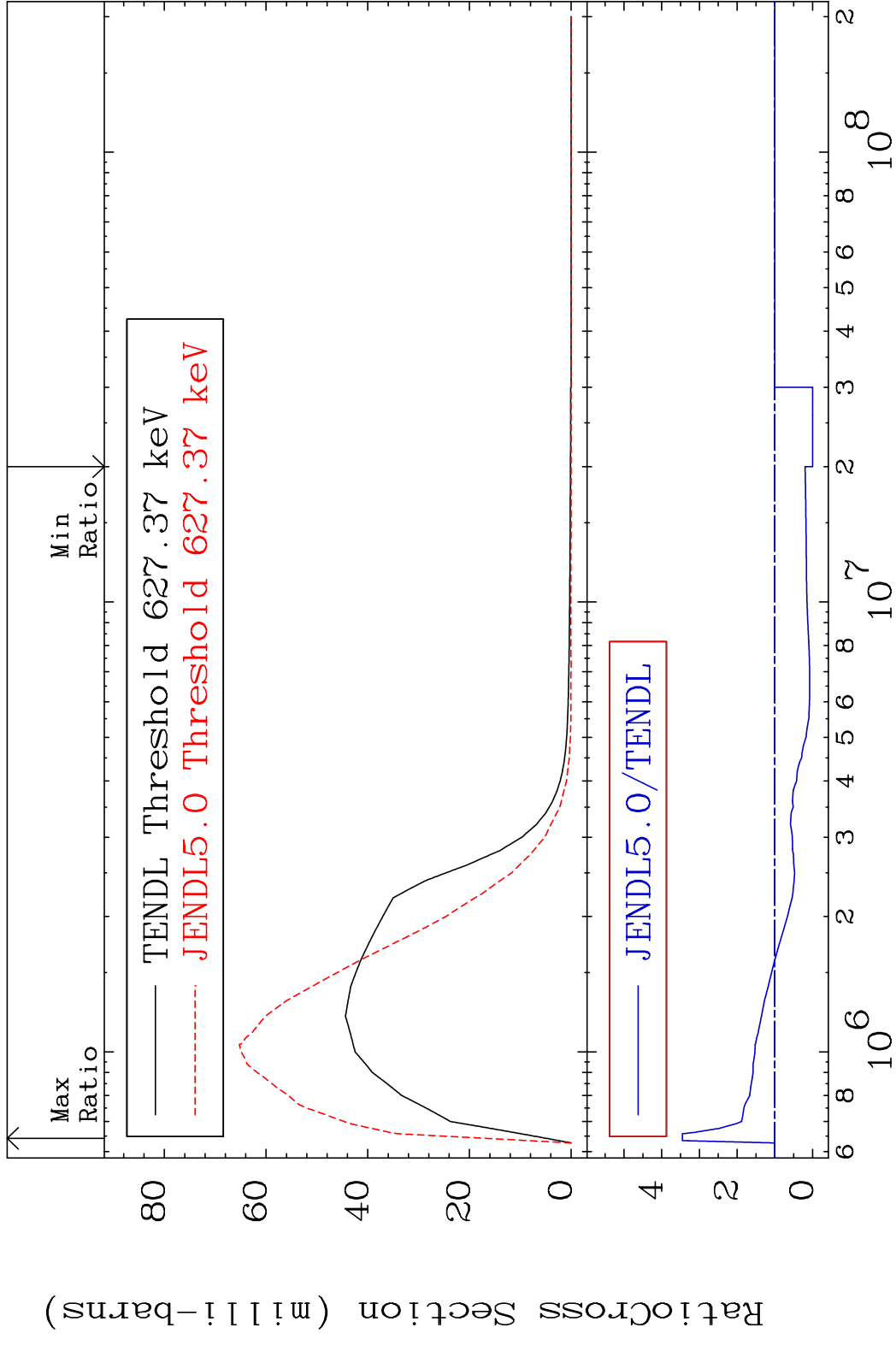


26 Incident Energy (eV) 77-Ir-191

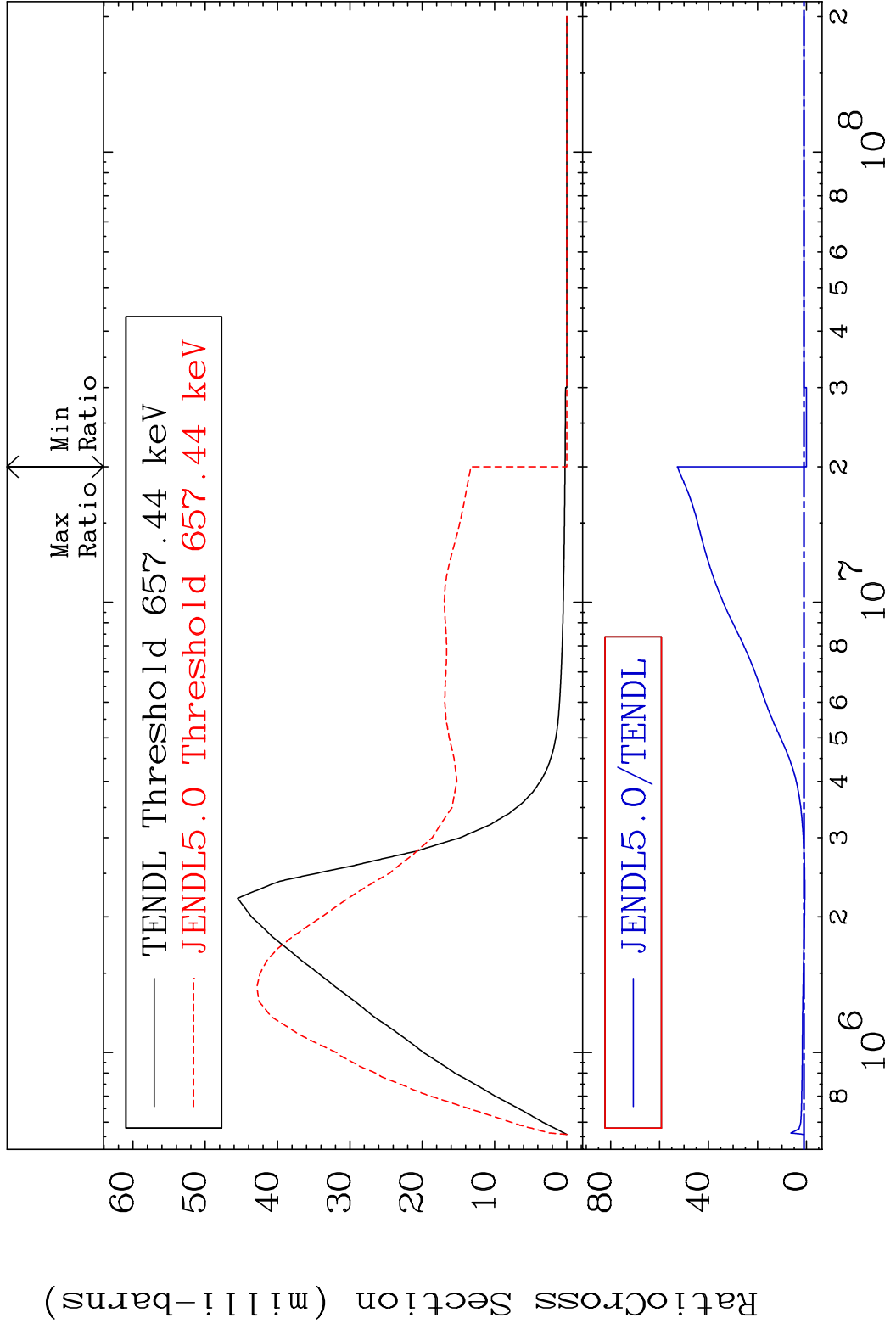
MAT 7725 MT= 65 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 4315. %



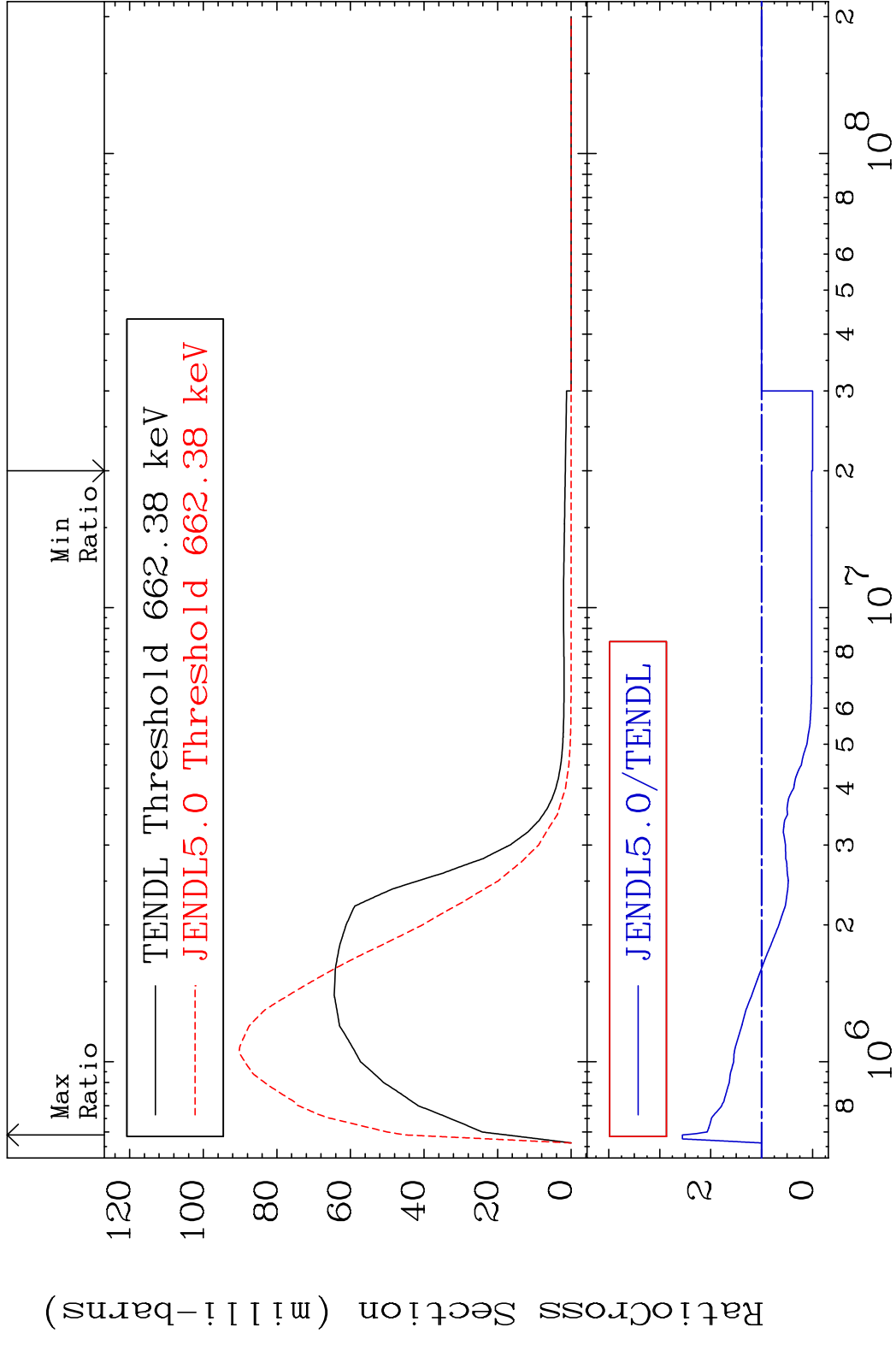
MAT 7725 MT= 66 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 245.3 %



MAT 7725 MT= 67 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 5182. %

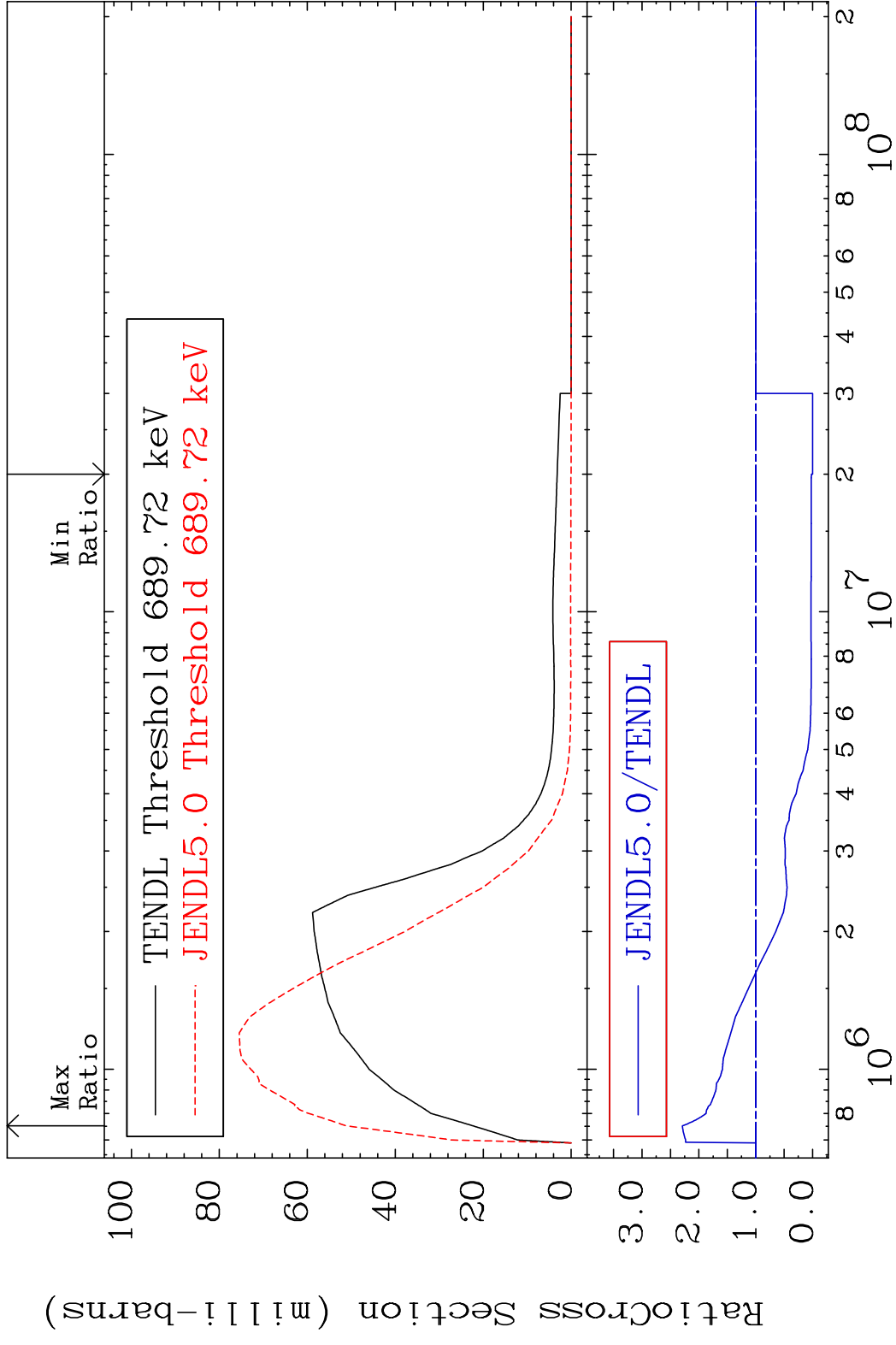


MAT 7725 MT= 68 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 155.5 %

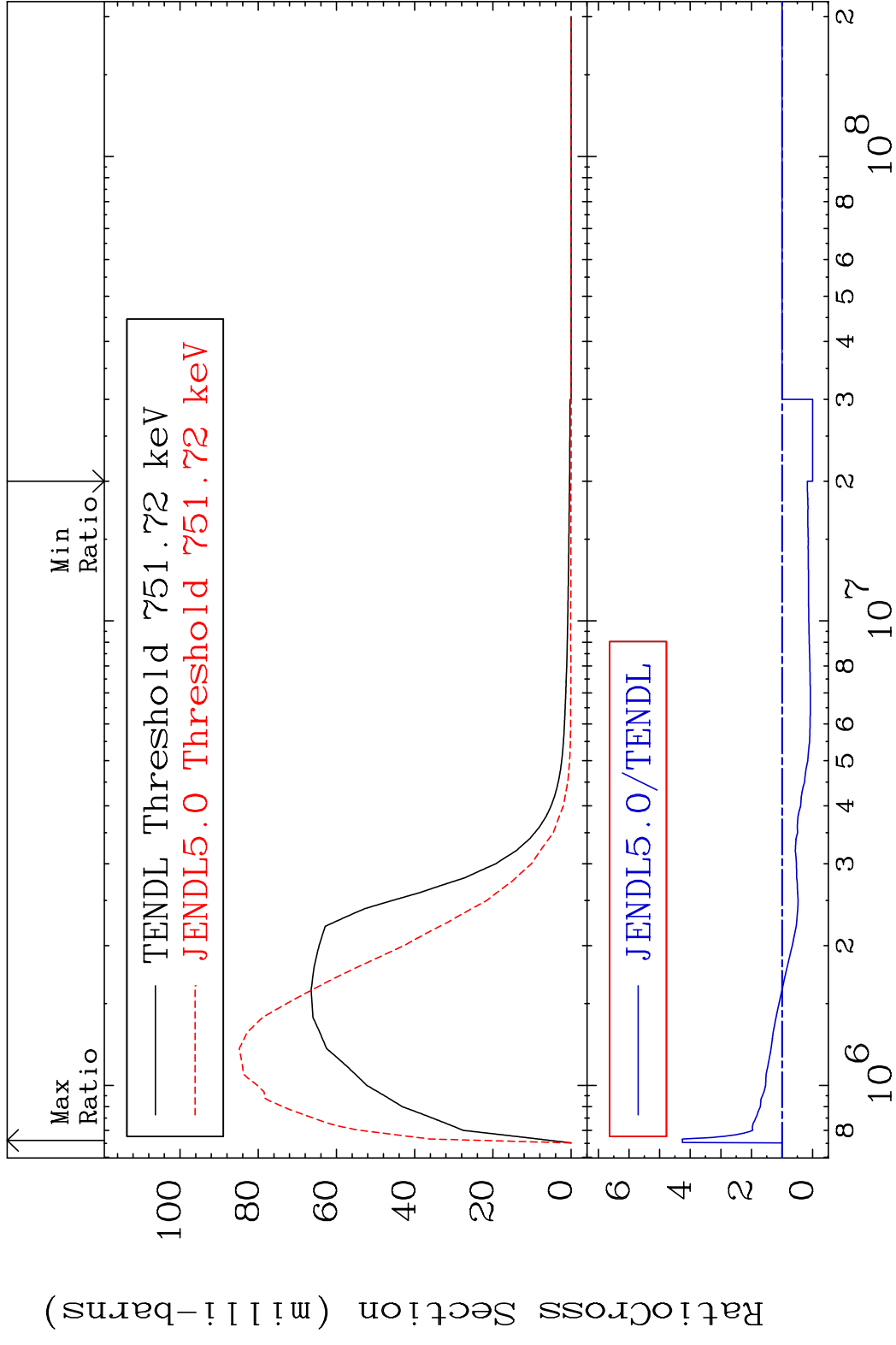


30 Incident Energy (eV) 77-Ir-191

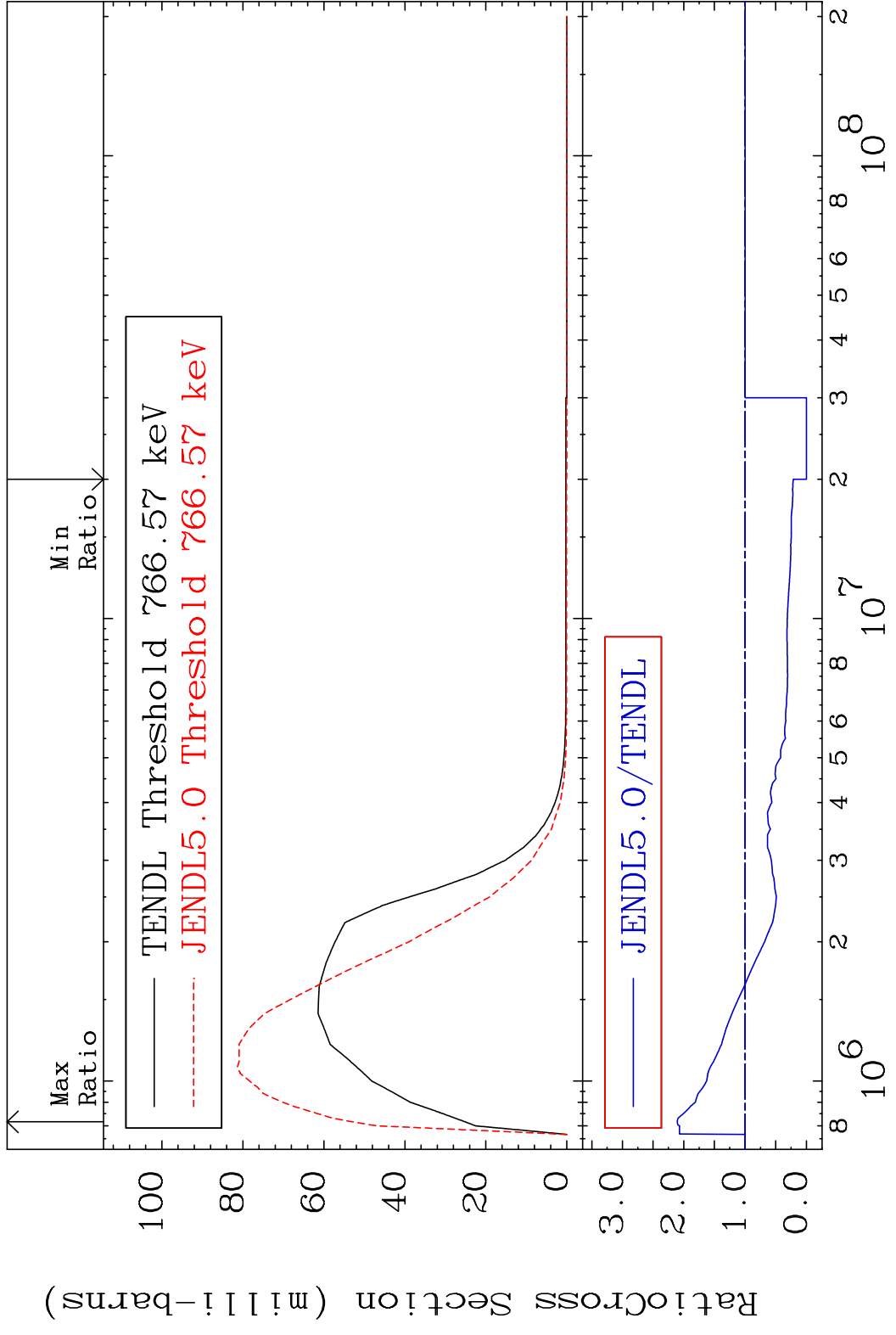
MAT 7725 MT= 69 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 129.1 %



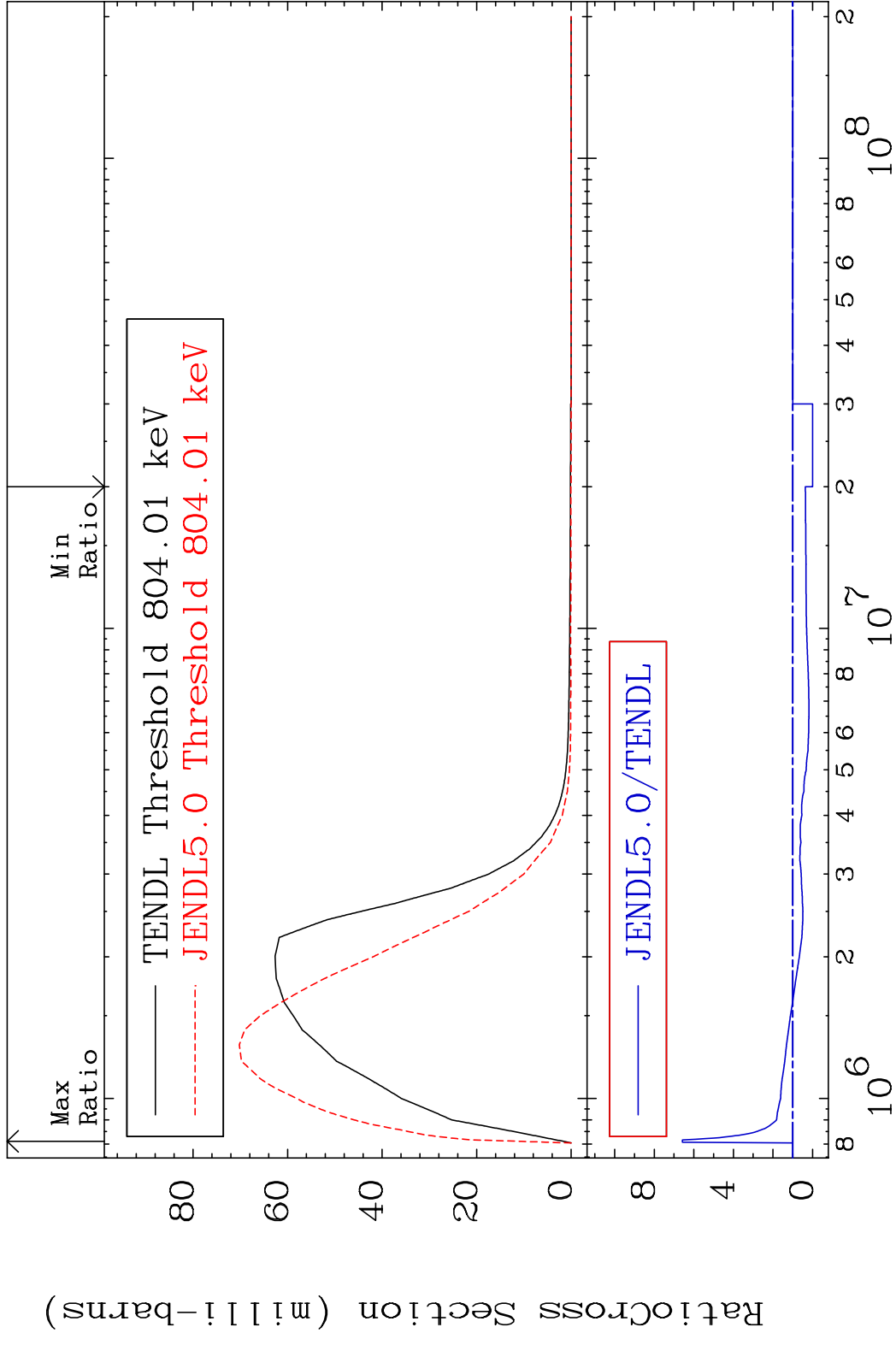
MAT 7725 MT= 70 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 325.8 %



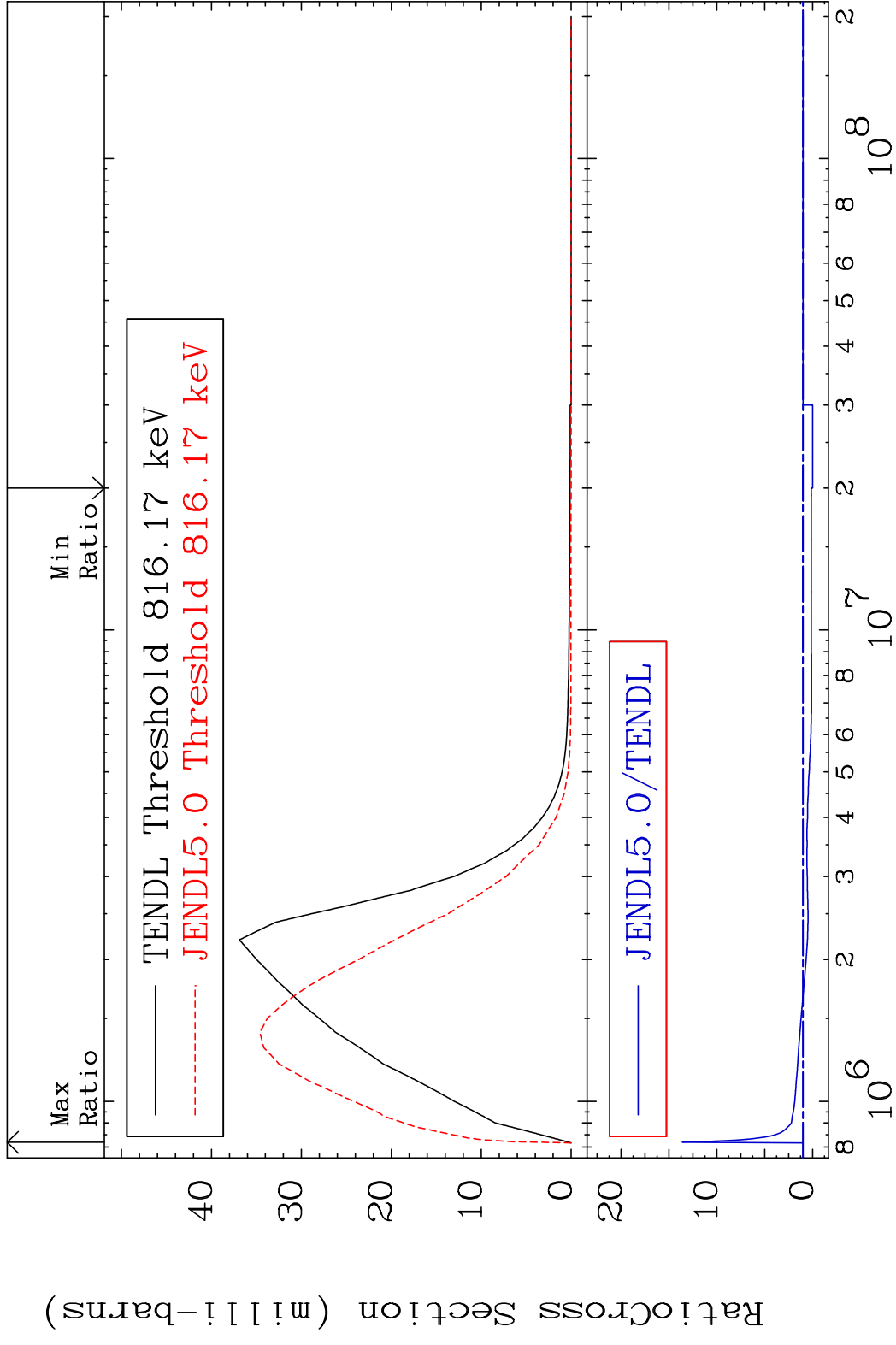
MAT 7725 MT= 71 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 110.7 %



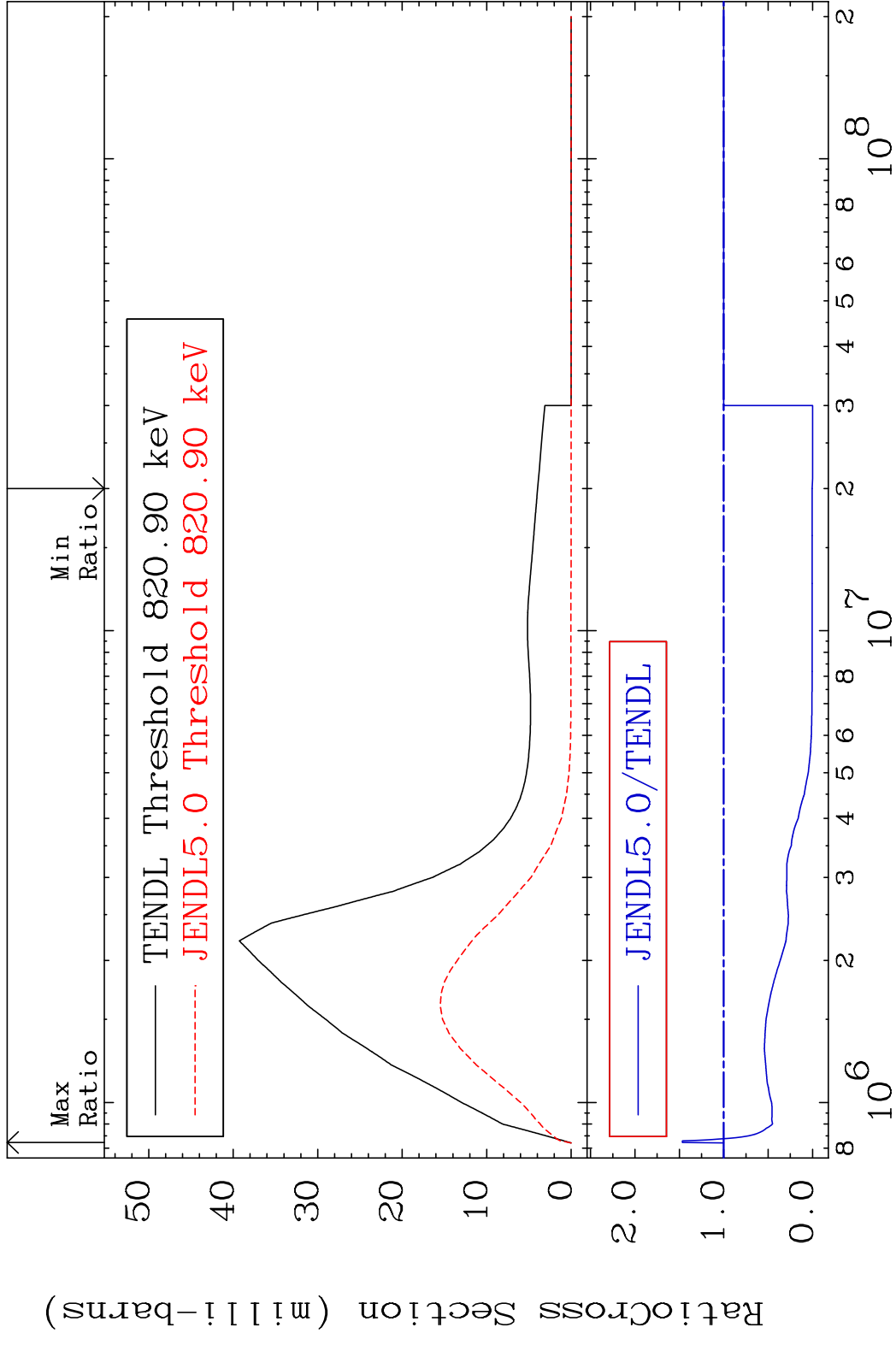
MAT 7725 MT= 72 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 557.9 %



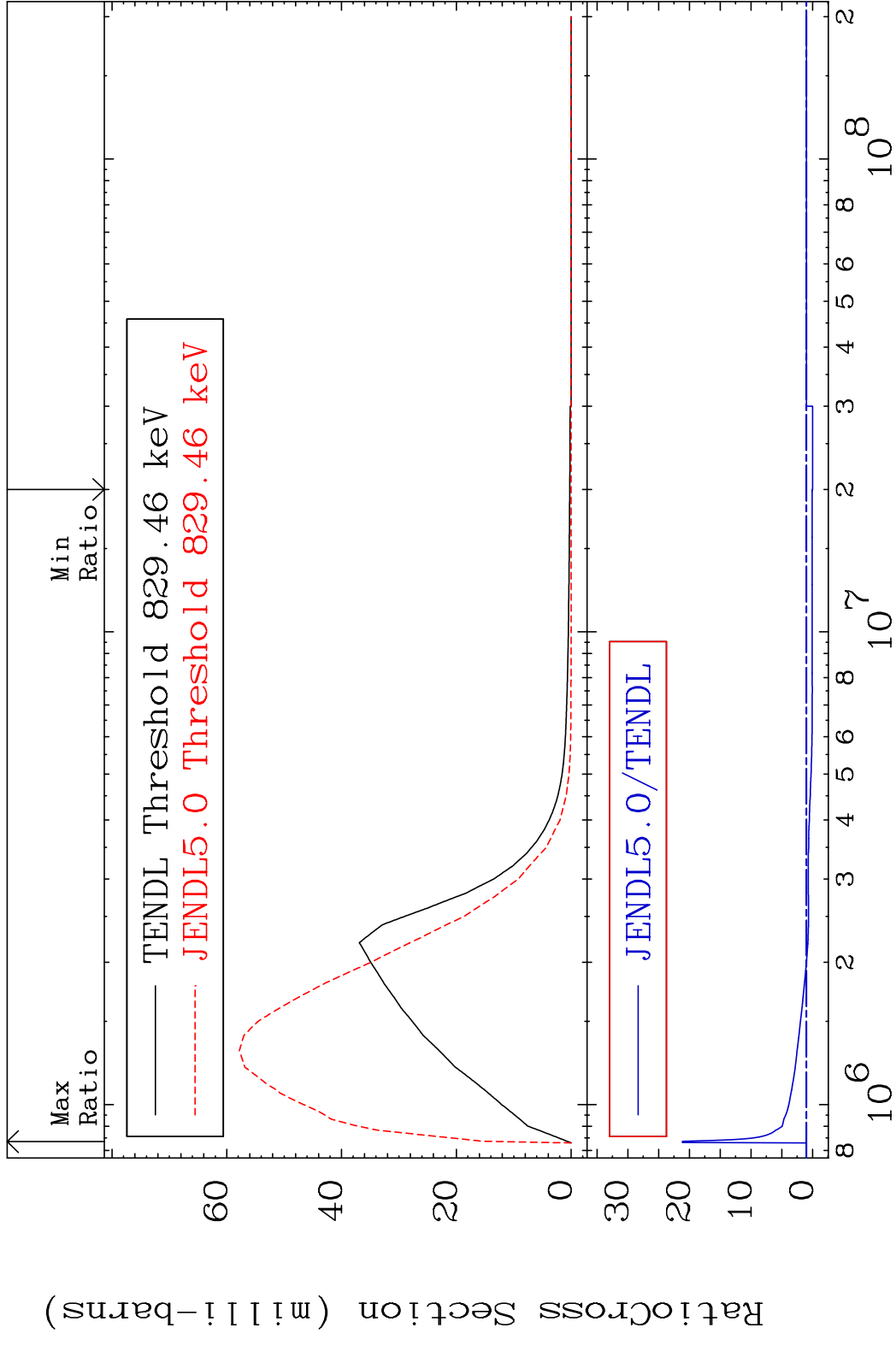
MAT 7725 MT= 73 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 1260. %



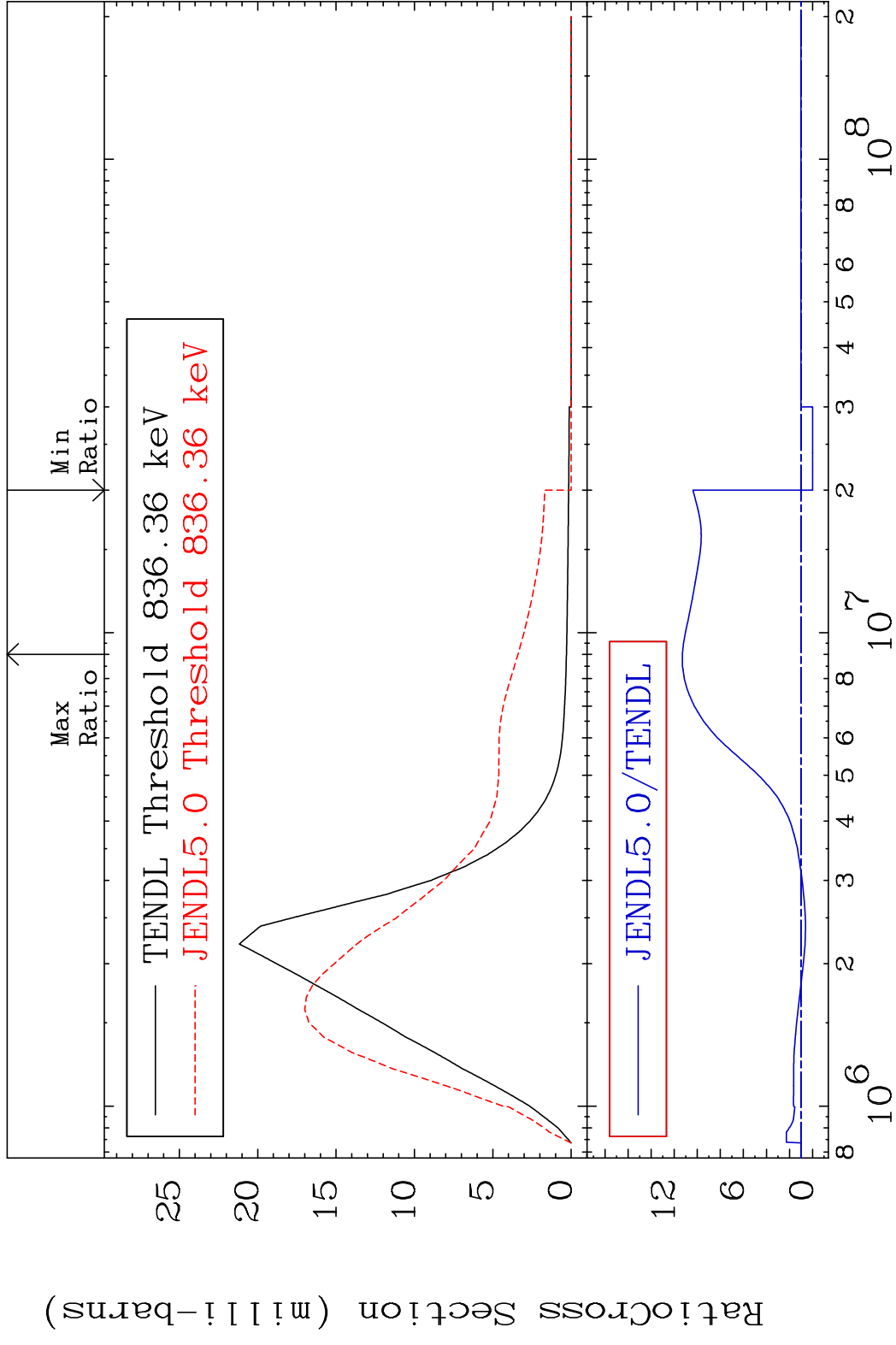
MAT 7725 MT= 74 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 46.60 %



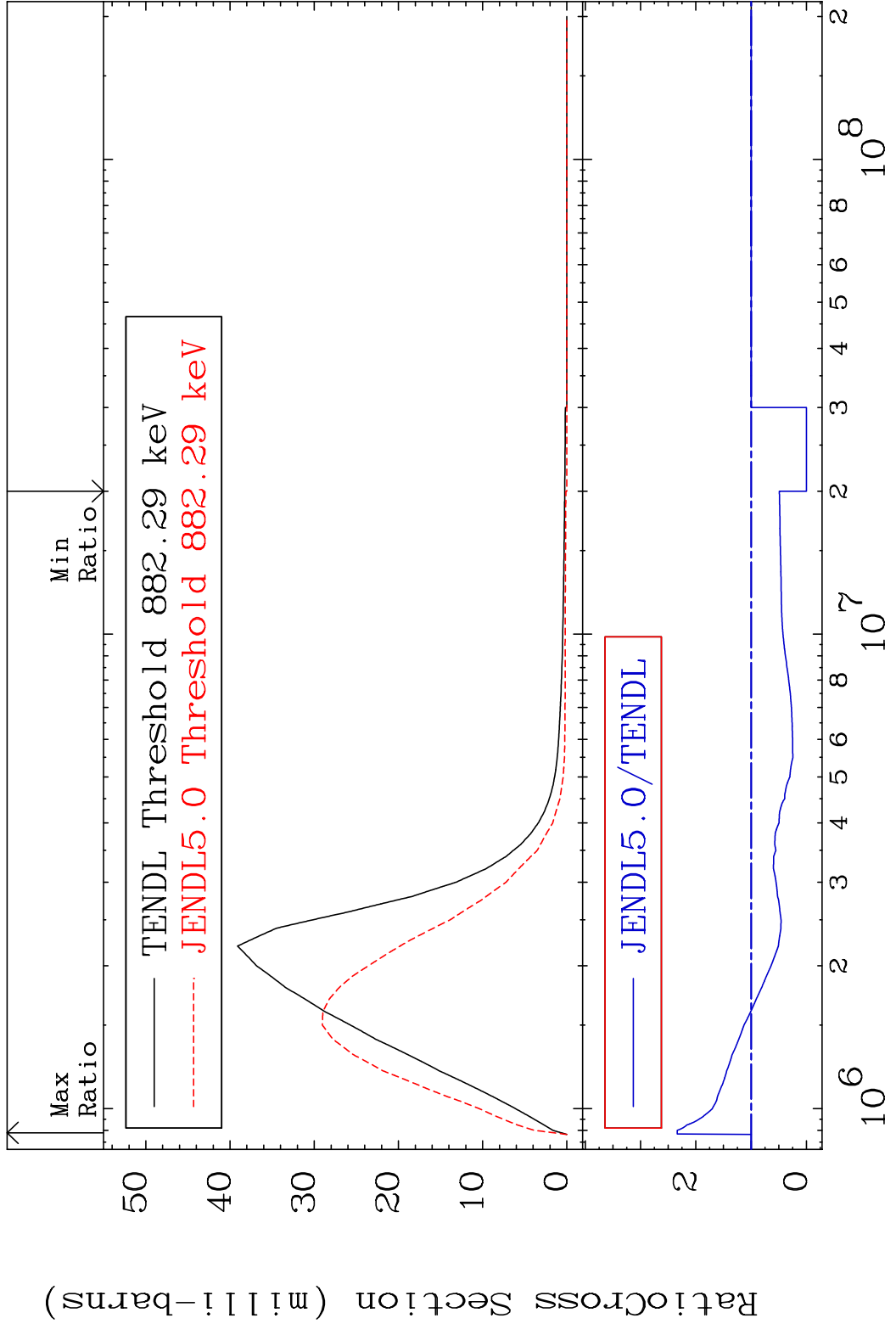
MAT 7725 MT= 75 (n,n') Level 77-Ir-191
 Cross Section -100.0 To 2015. %



MAT 7725 MT= 76 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 1029. %

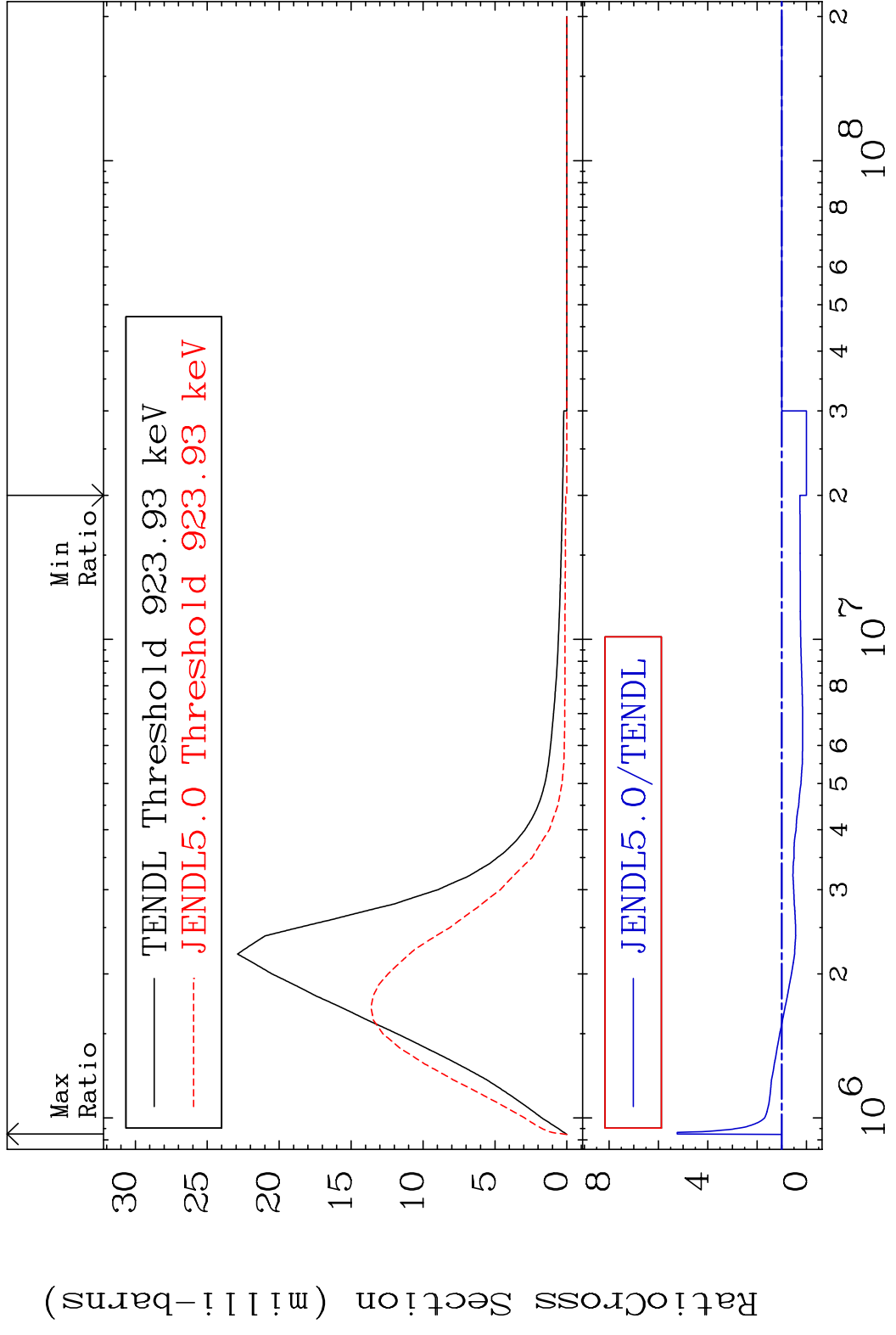


MAT 7725 MT= 77 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 133.8 %



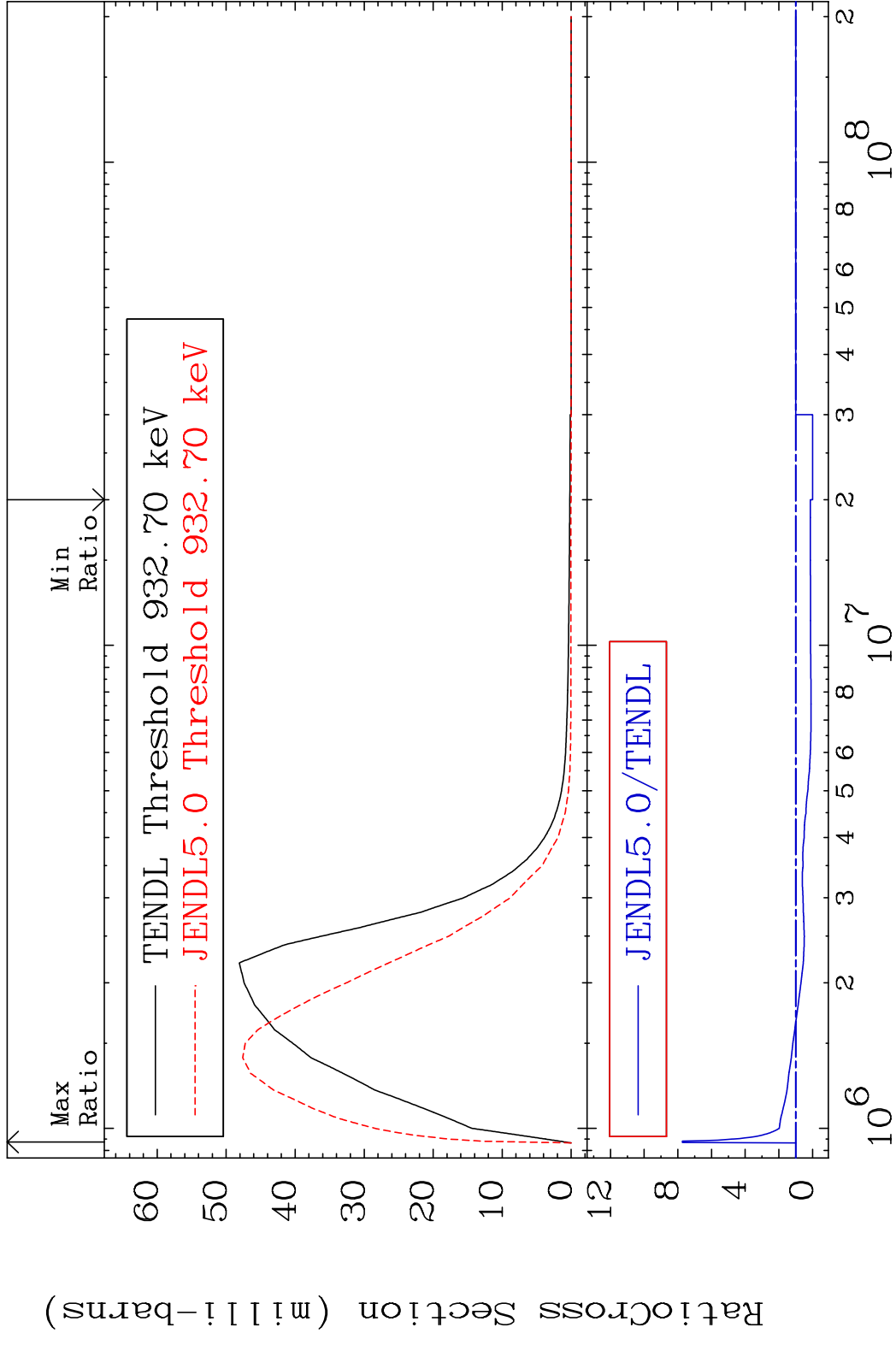
39 Incident Energy (eV) 77-Ir-191

MAT 7725 MT= 78 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 423.9 %



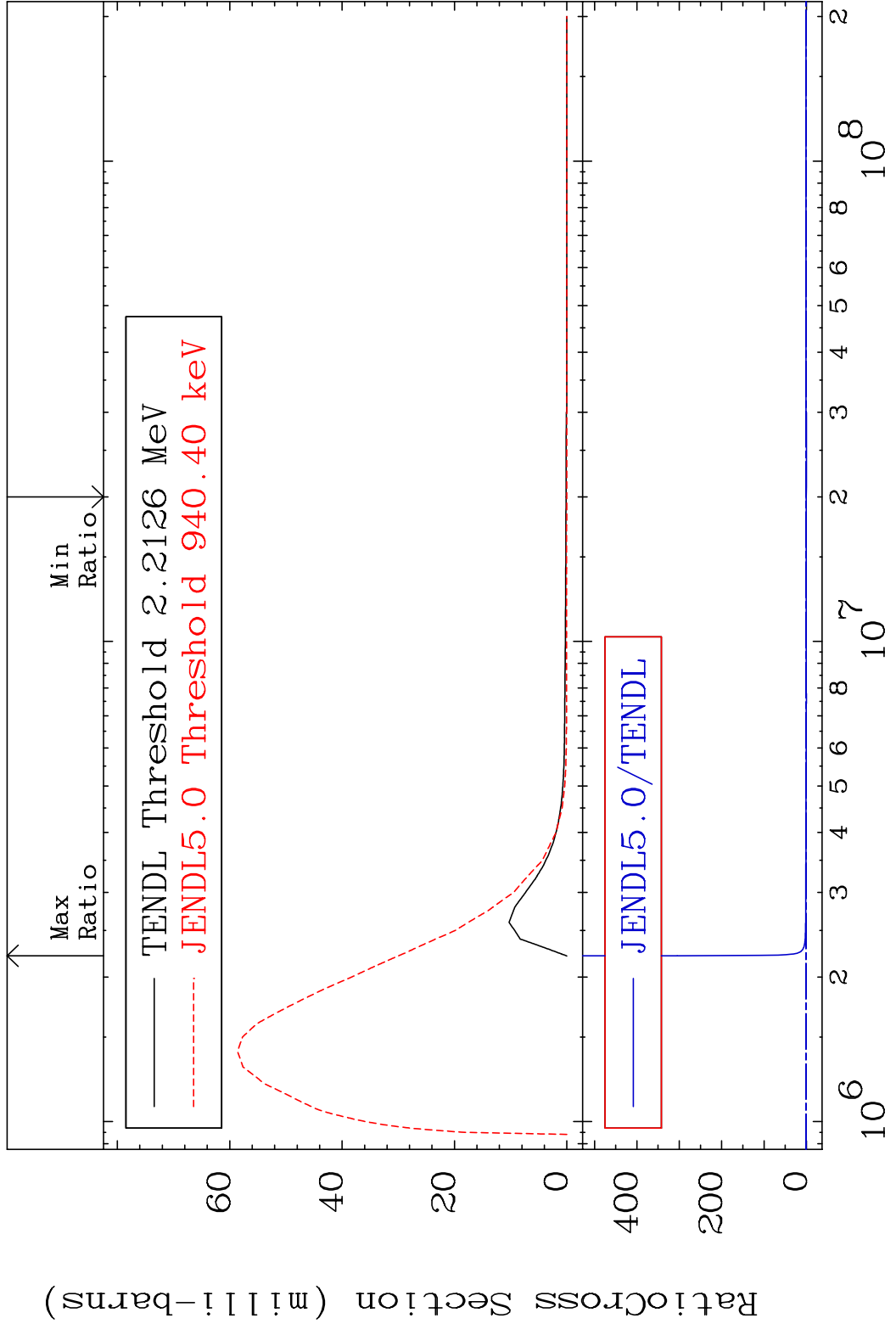
40 Incident Energy (eV) 77-Ir-191

MAT 7725 MT= 79 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 673.2 %



41 Incident Energy (eV) 77-Ir-191

MAT 7725 MT= 80 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 9999. %



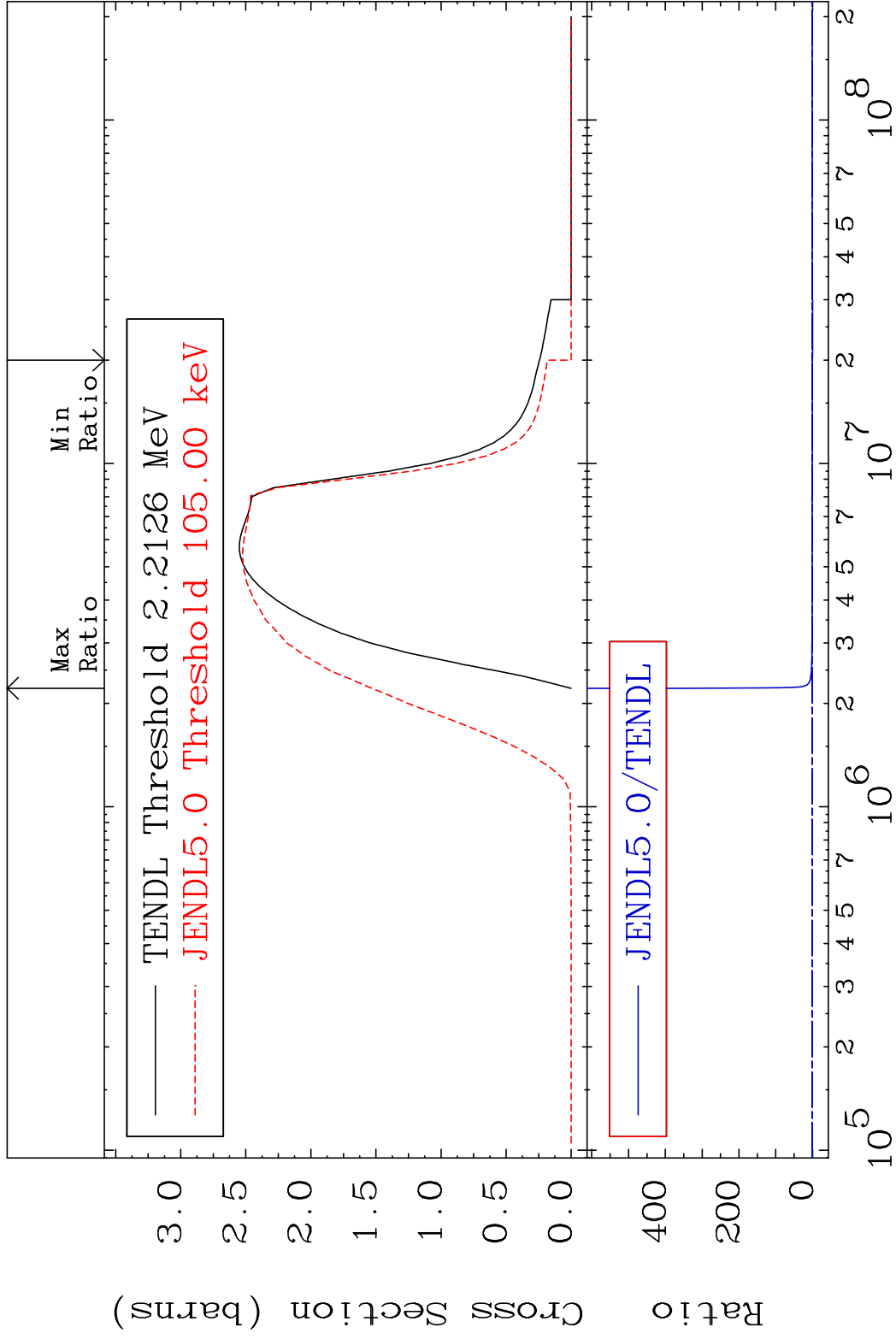
42 Incident Energy (eV) 77-Ir-191

MAT 7725

(n, n') Continuum

77-Ir-191

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

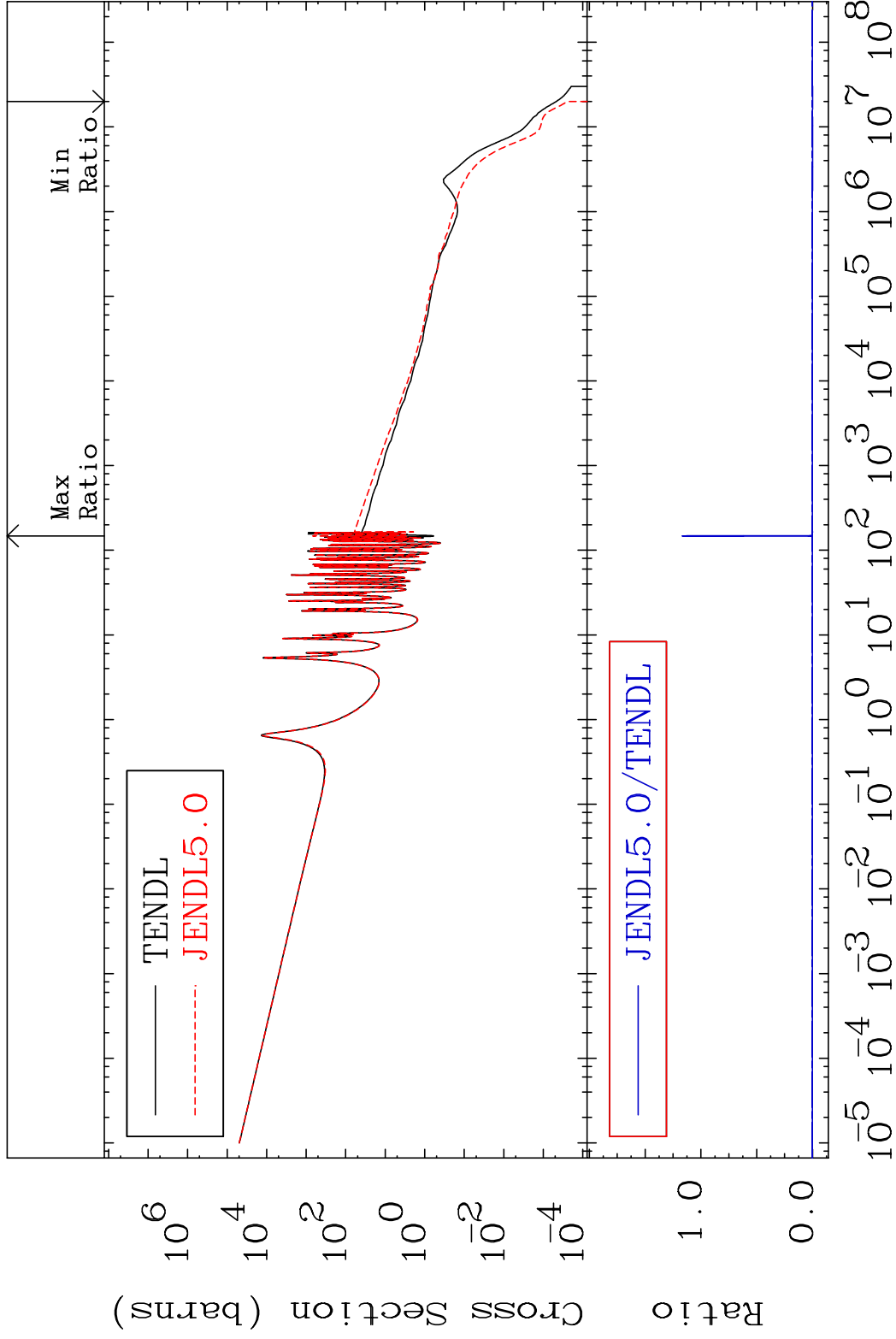
77-Ir-191

MAT 7725

(n, γ)

77-Ir-191

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

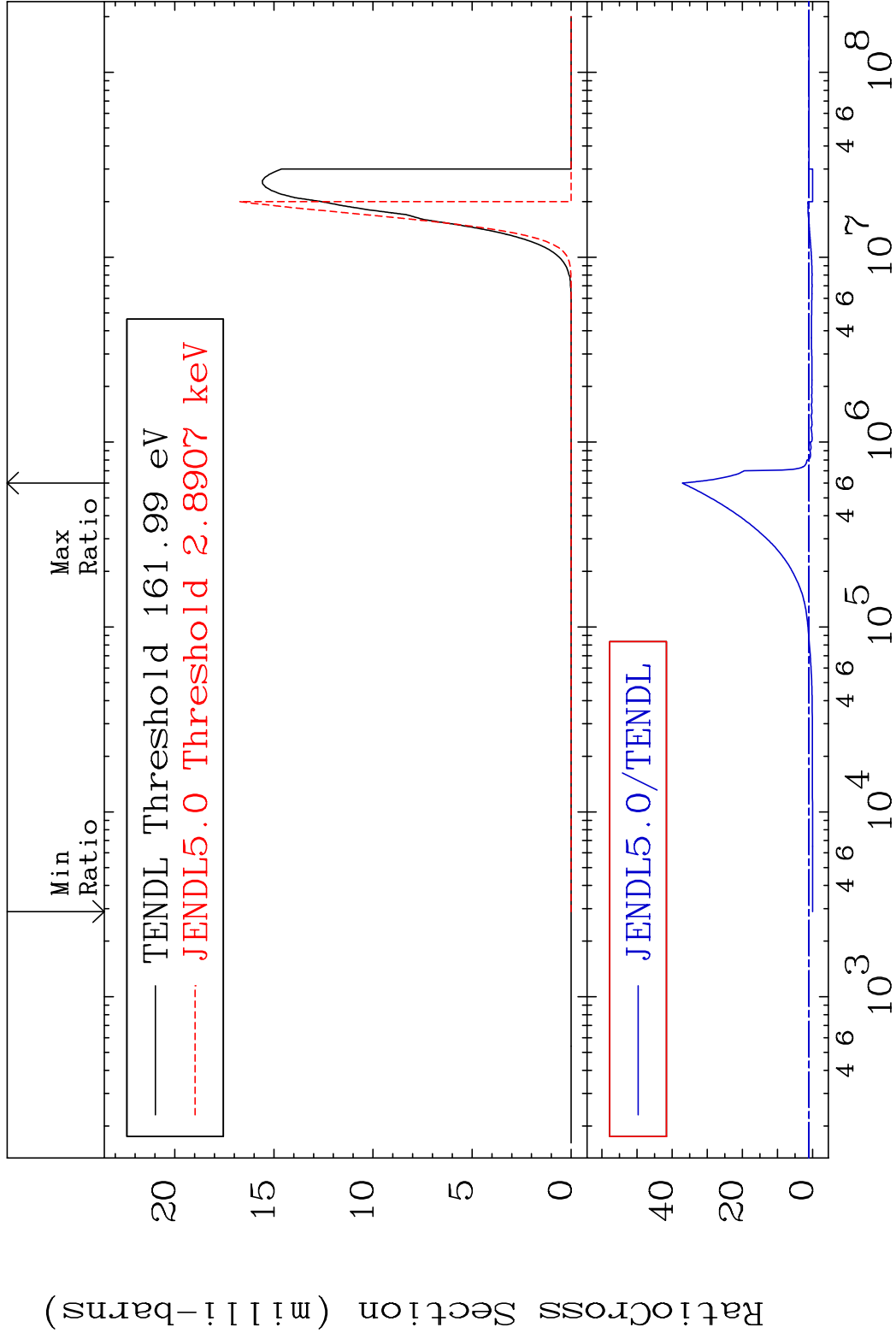
77-Ir-191

MAT 7725

(n, p)

77-Ir-191

Cross Section -100.0 To 3606. %



45

Incident Energy (eV)

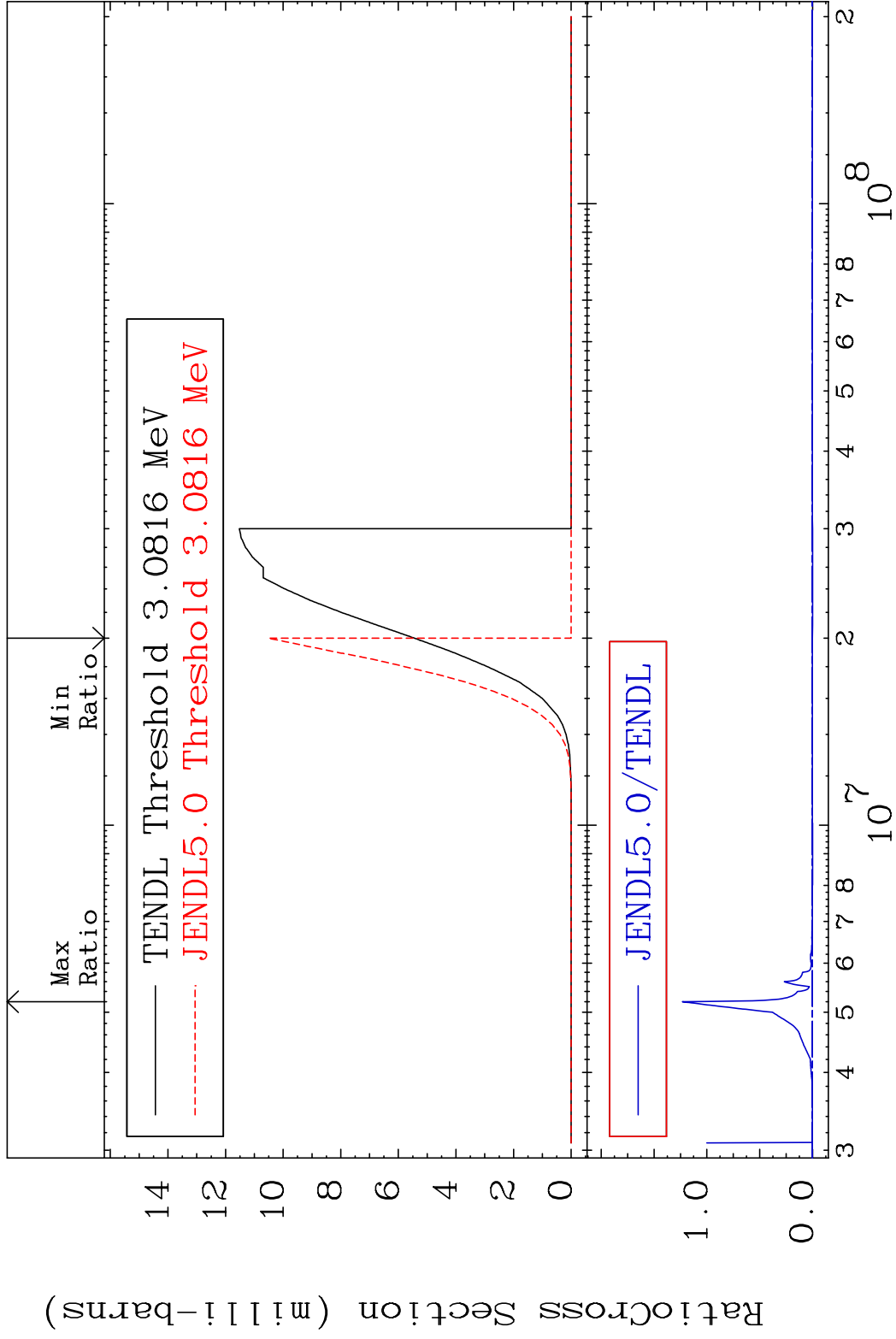
77-Ir-191

MAT 7725

(n, d)

77-Ir-191

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

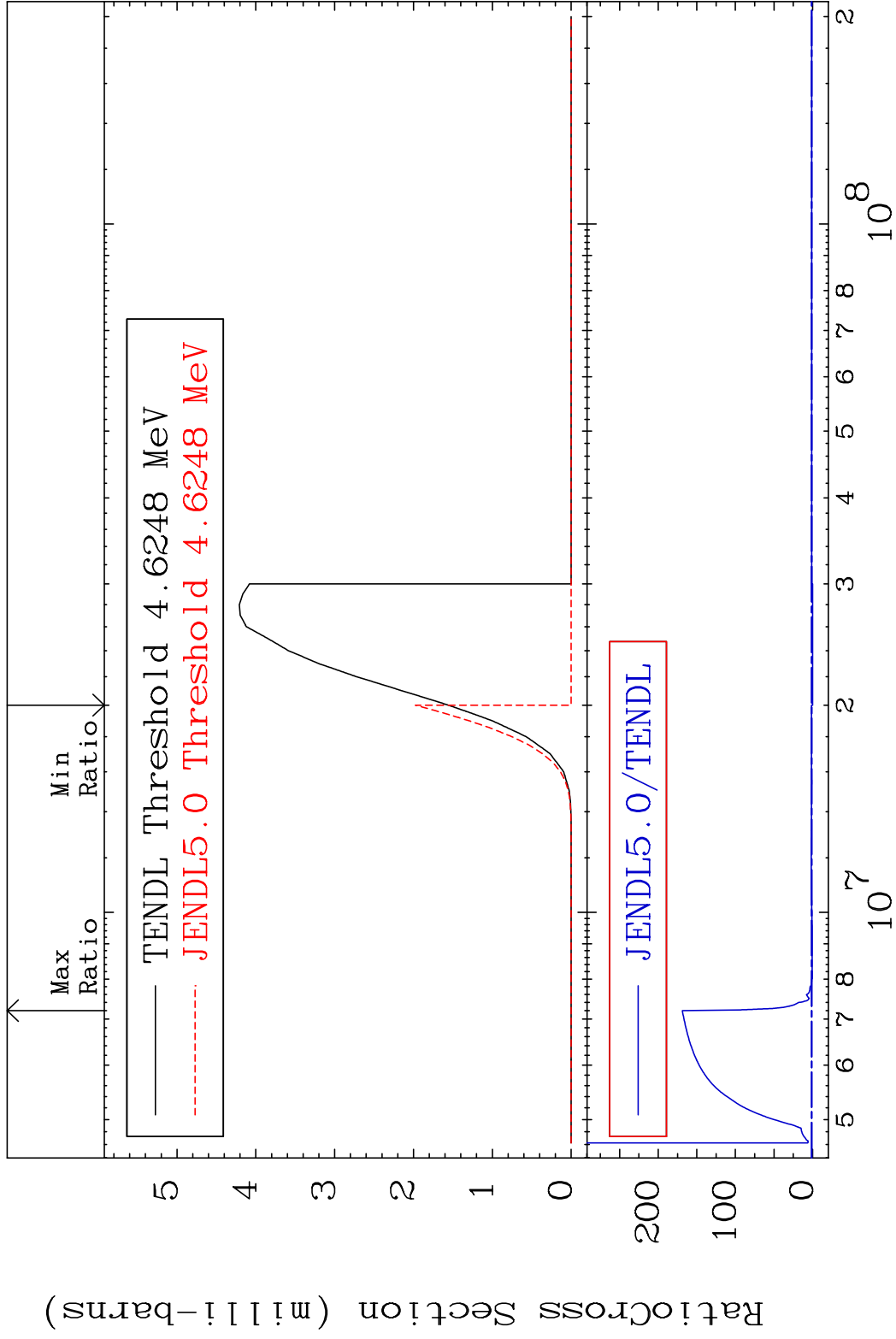
77-Ir-191

MAT 7725

(n, t)

77-Ir-191

Cross Section -100.0 To 9999. %

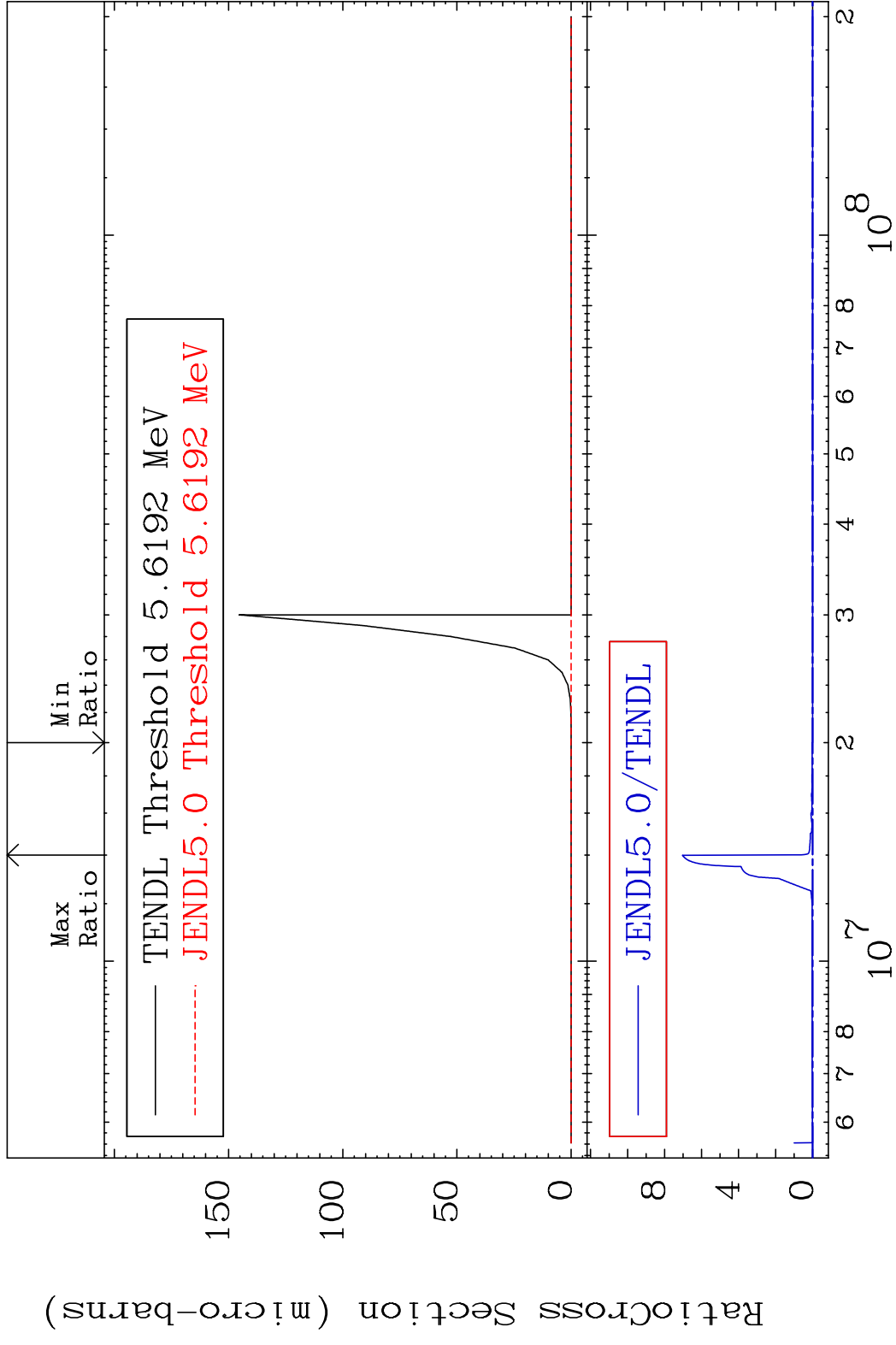


47

Incident Energy (eV)

77-Ir-191

MAT 7725 (n, He-3) 77-Ir-191
 Cross Section -100.0 To 9999. %



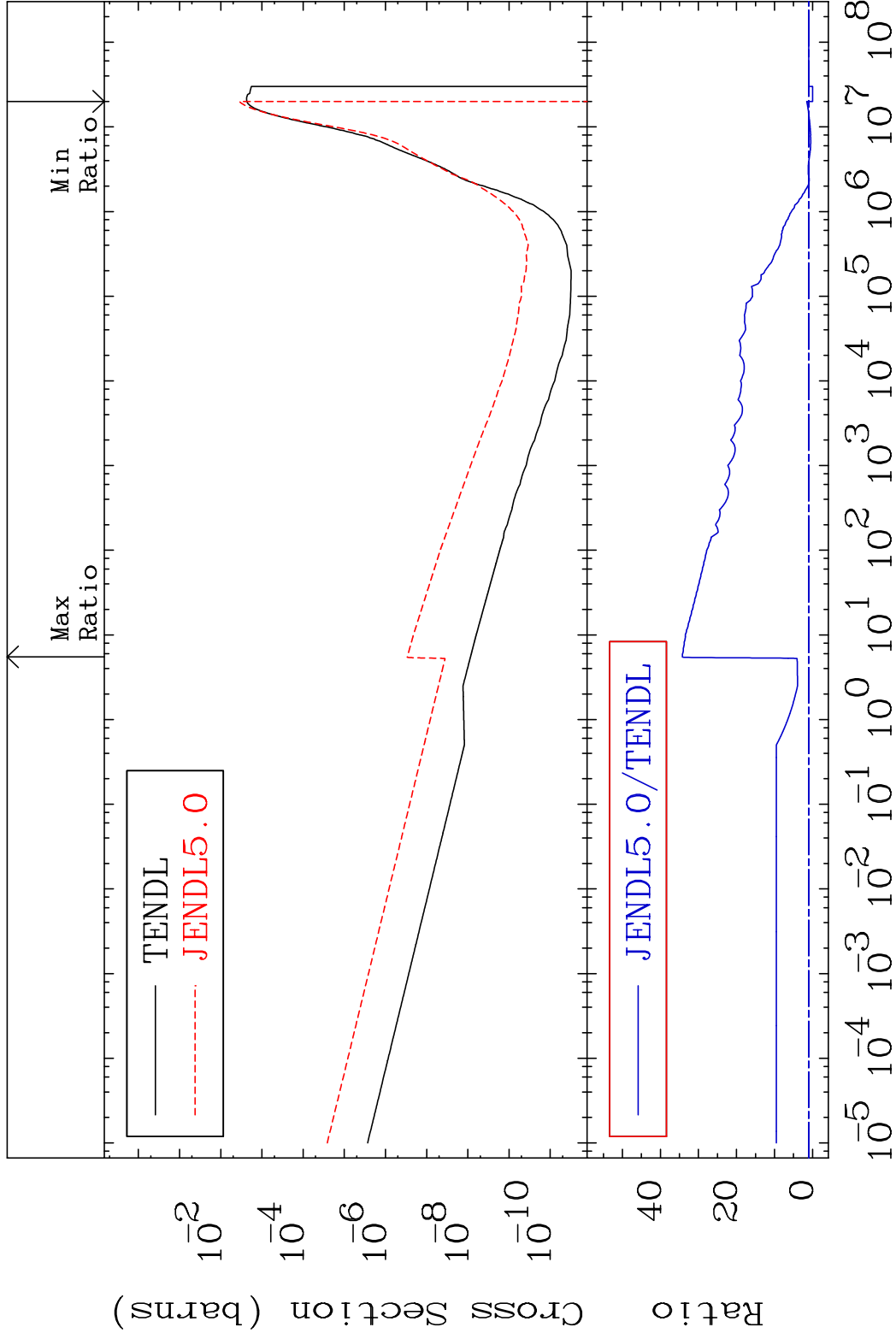
48 77-Ir-191

MAT 7725

(n, α)

77-Ir-191

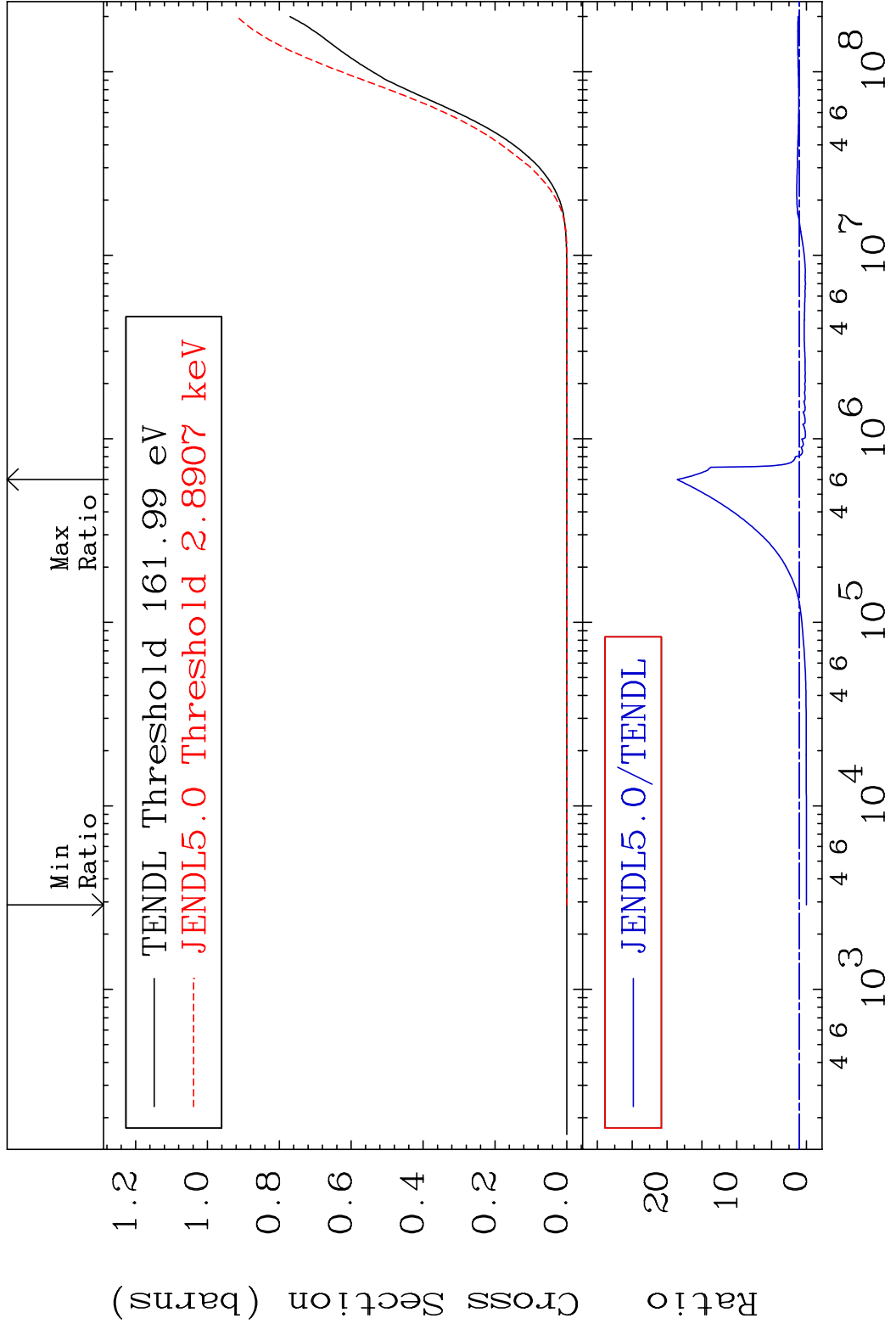
Cross Section -100.0 To 3324. %



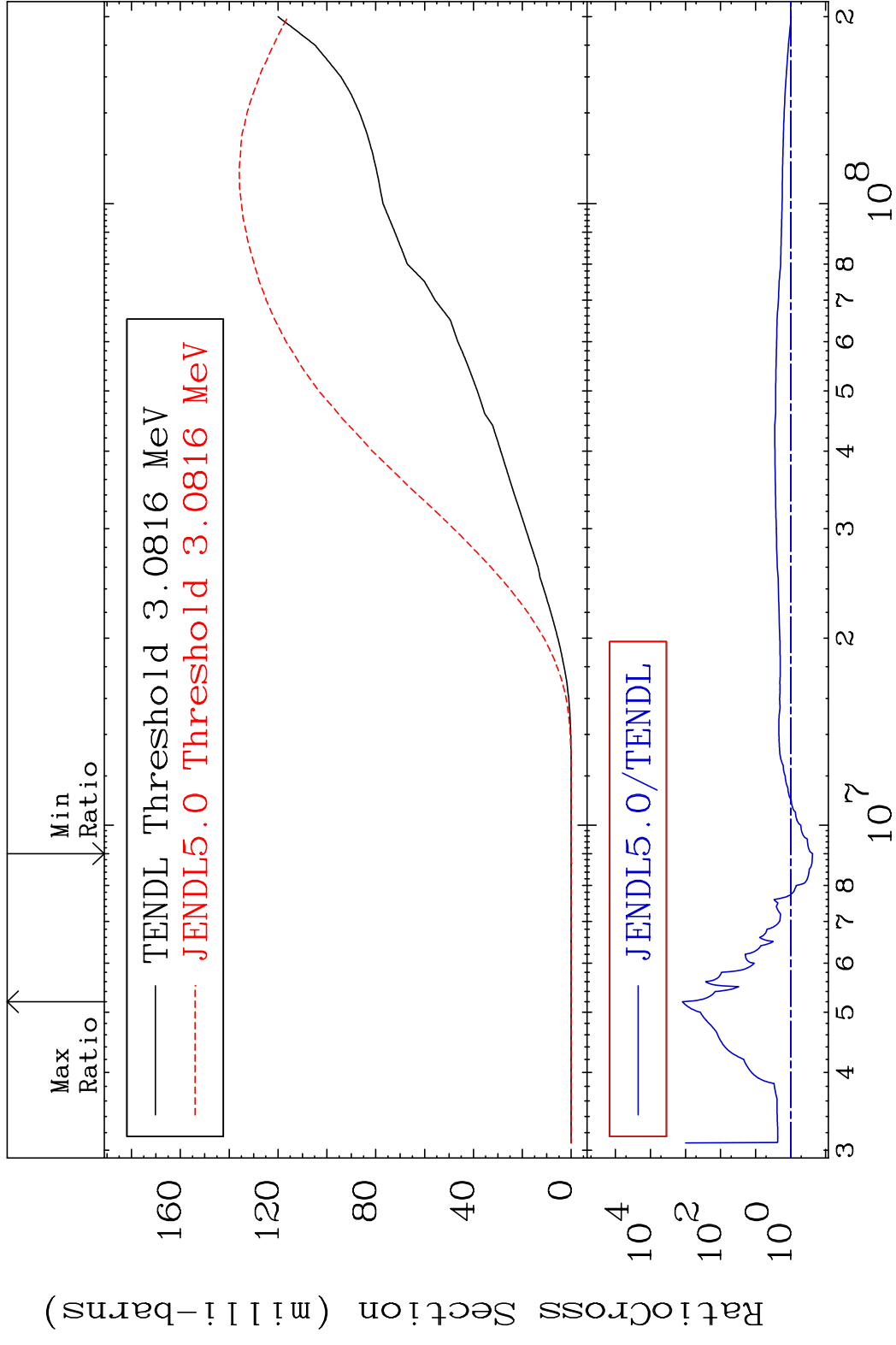
49

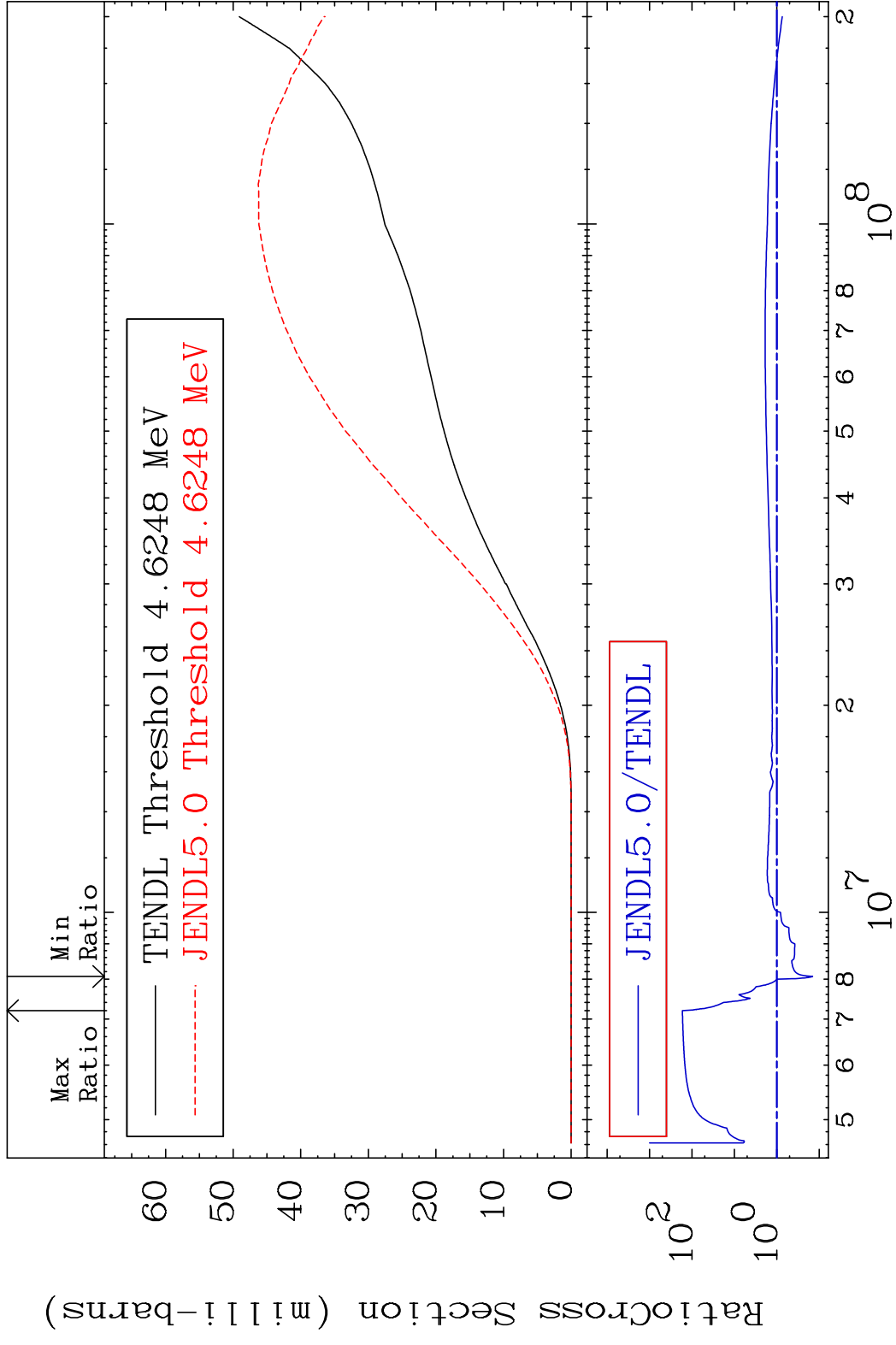
Incident Energy (eV)

77-Ir-191

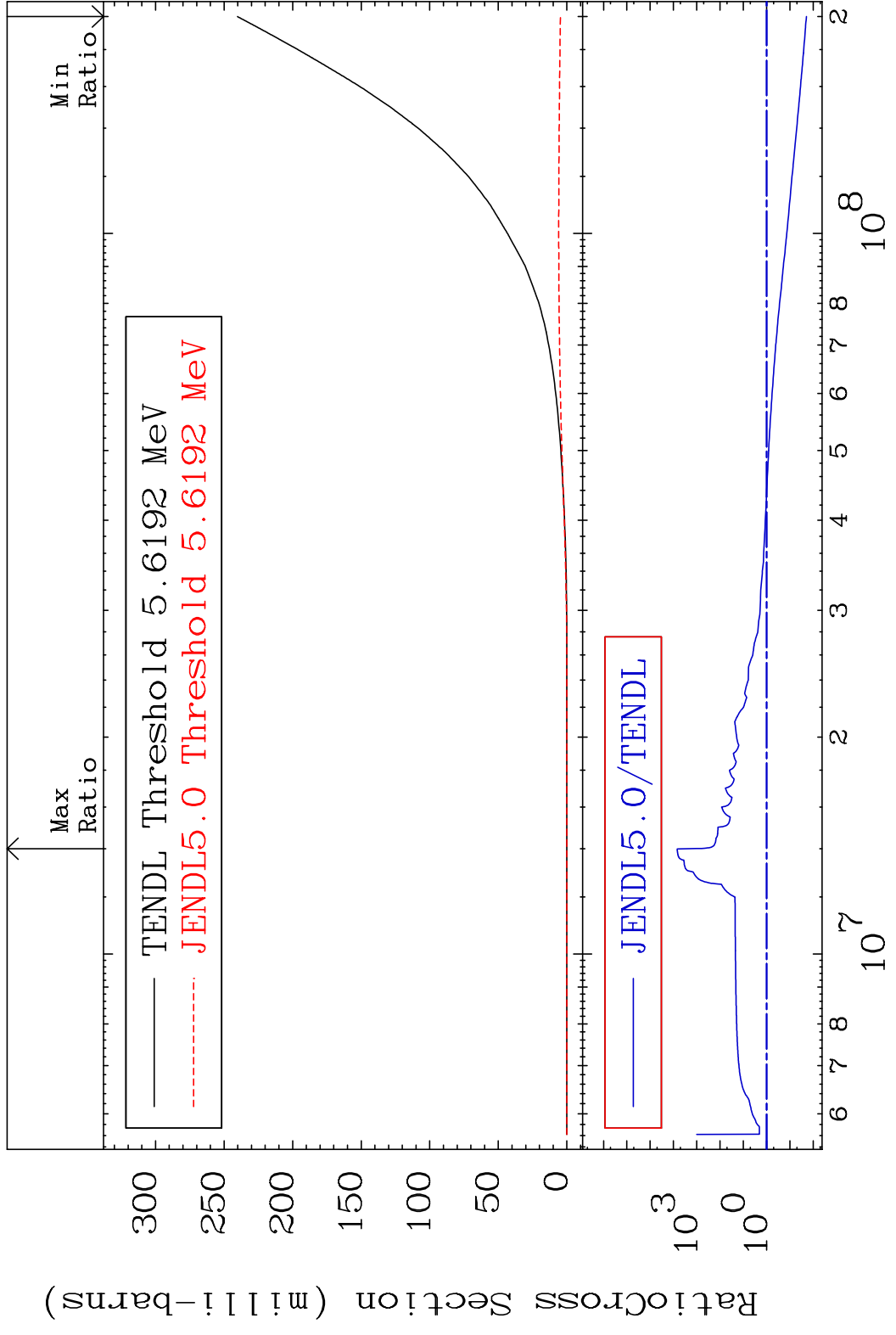


Cross Section -76.27 To 9999. %





MAT 7725 He-3 Production 77-Ir-191
 Cross Section -98.04 To 9999. %

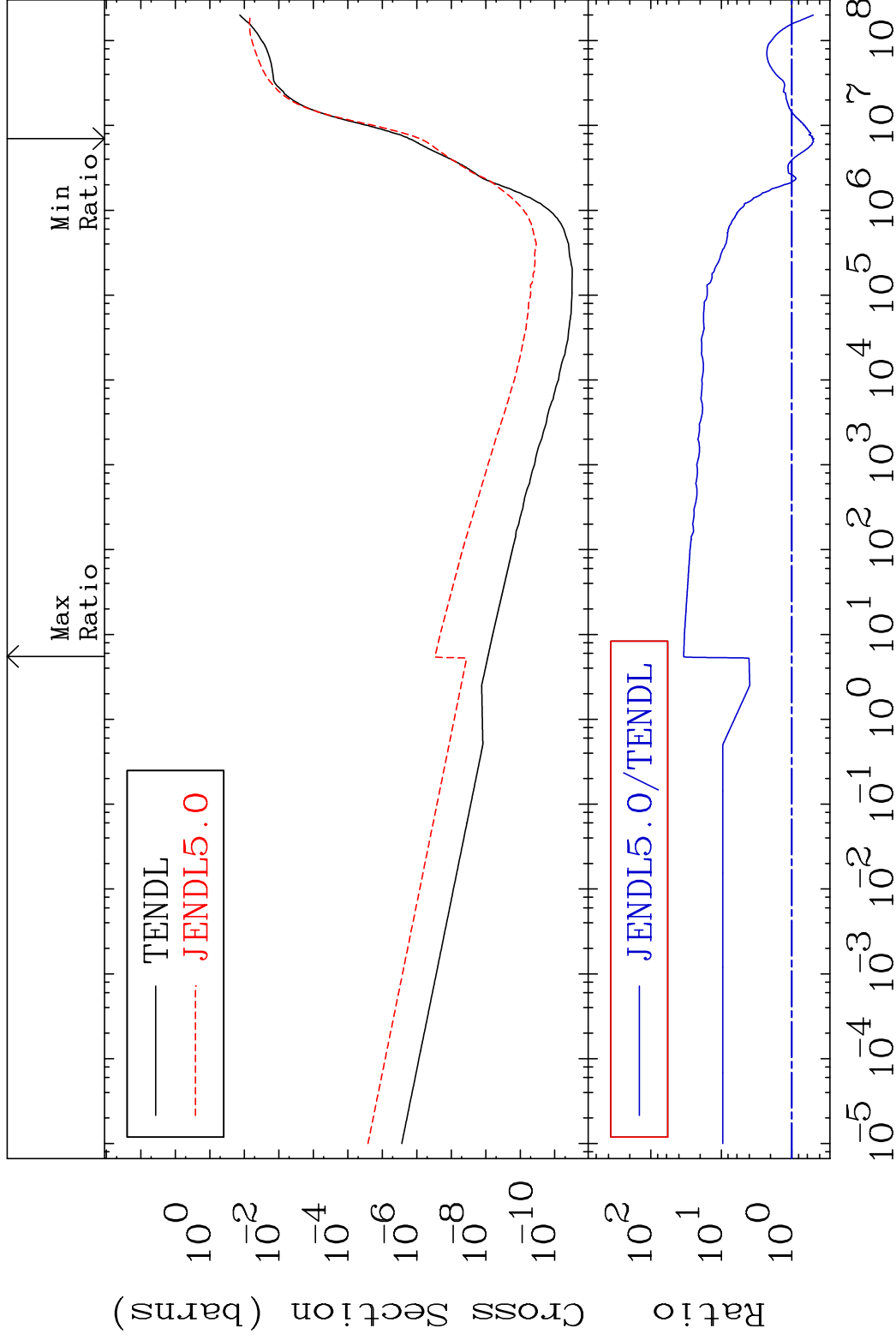


MAT 7725

He-4 Production

77-Ir-191

Cross Section -51.92 To 3324. %

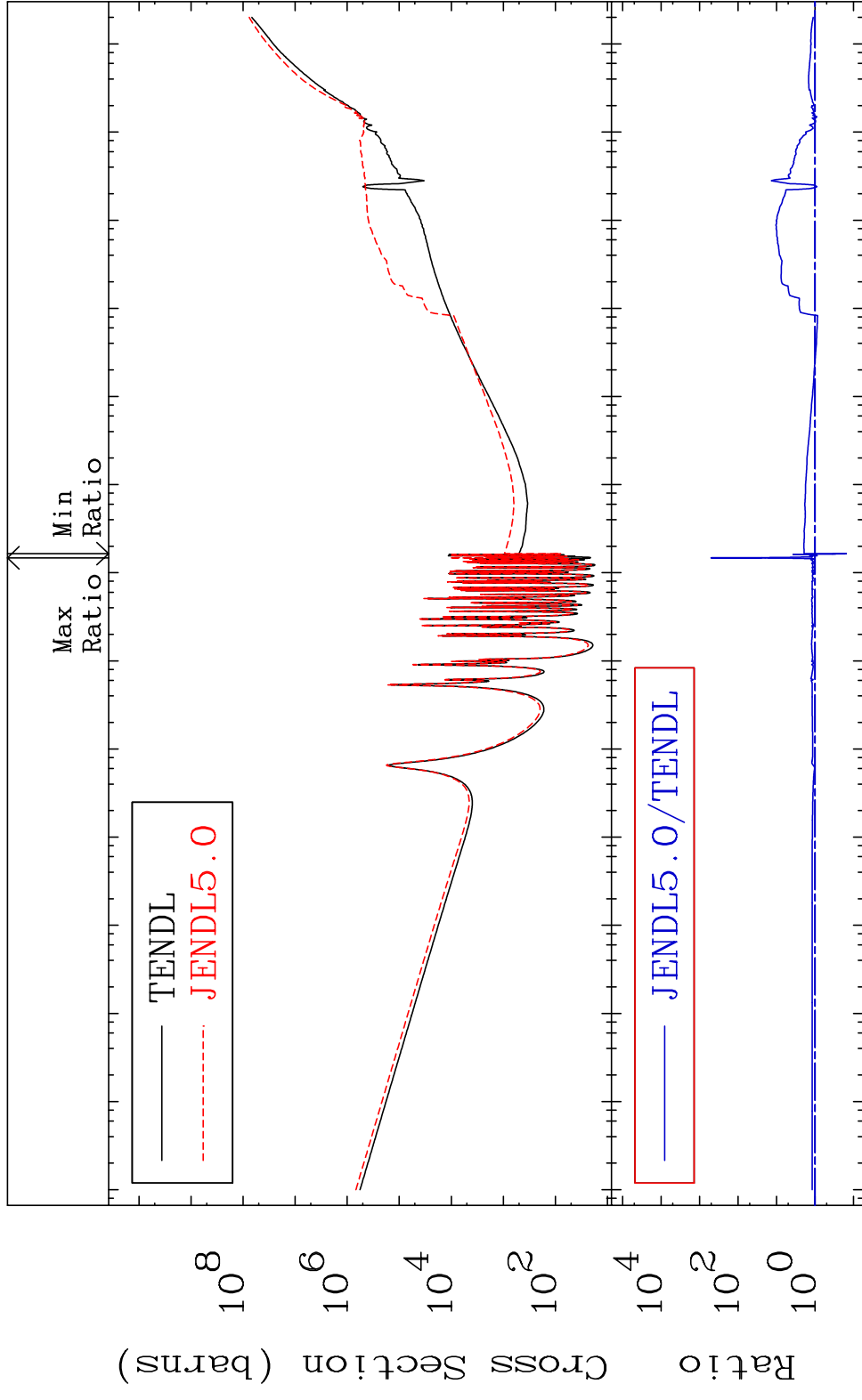


54

Incident Energy (eV)

77-Ir-191

MAT 7725 Kerma total (eV-barns) 77-Ir-191
 Cross Section -84.58 To 9999. %

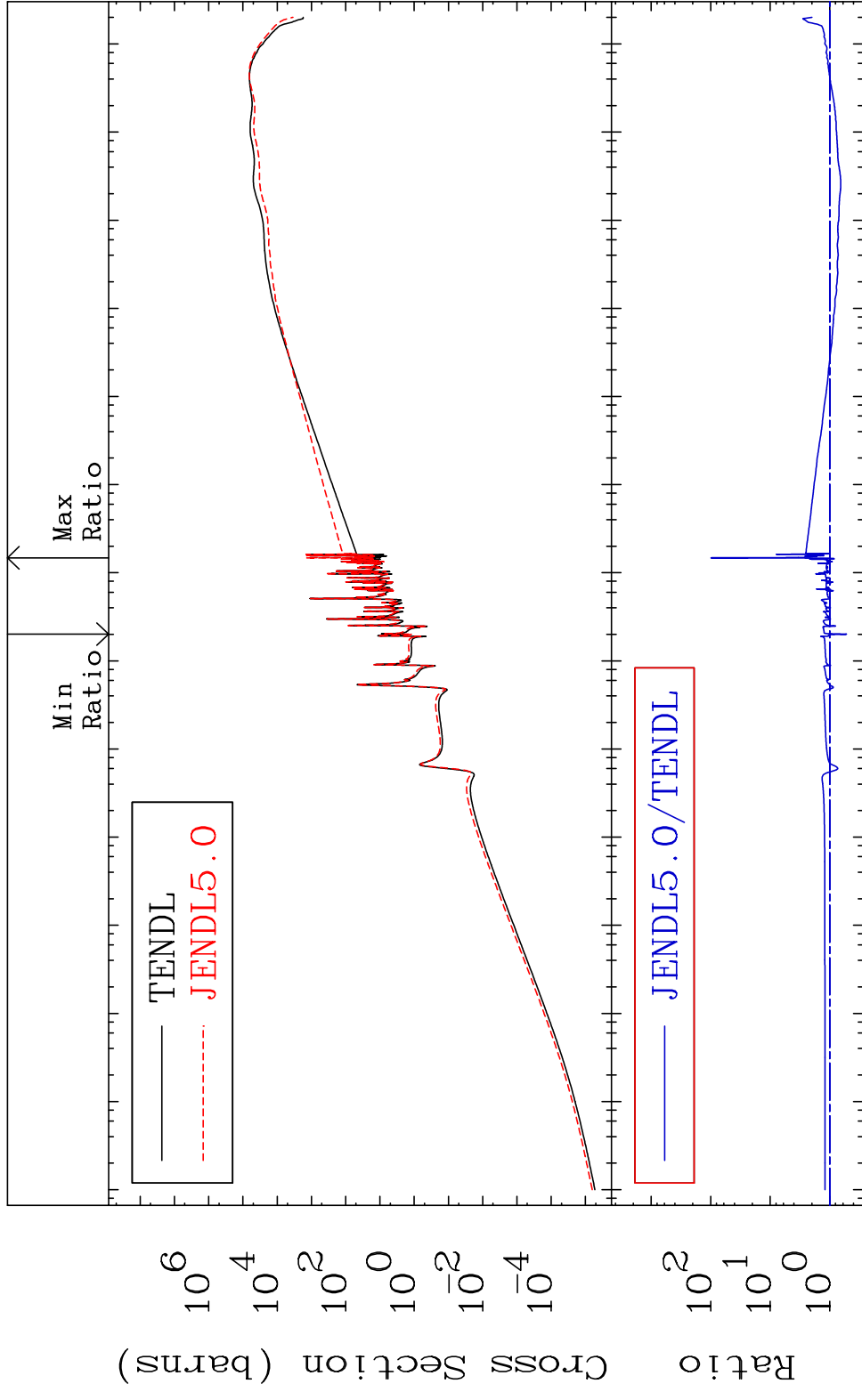


55 Incident Energy (eV) 77-Ir-191

MAT 7725

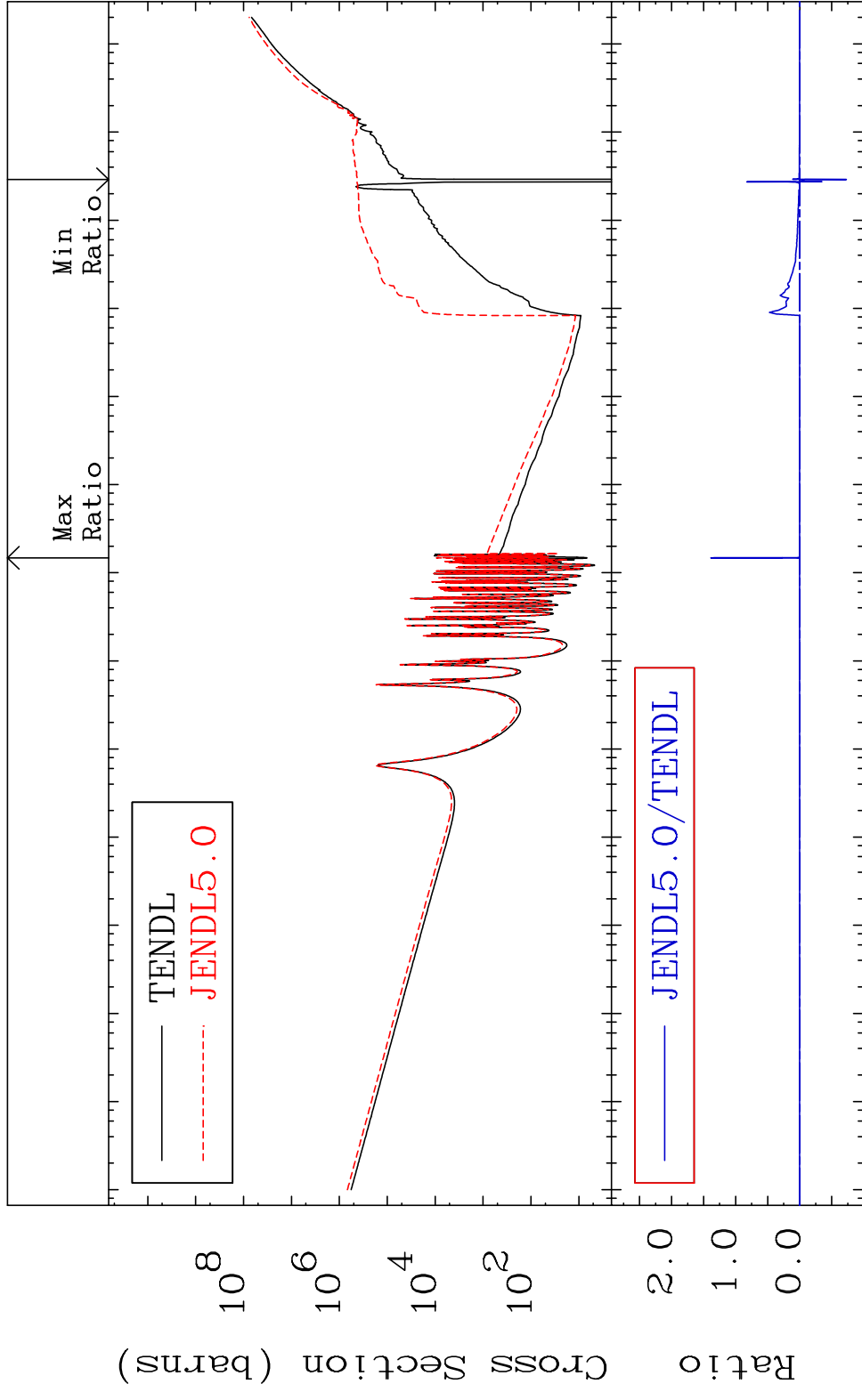
Kerma elastic
Cross Section

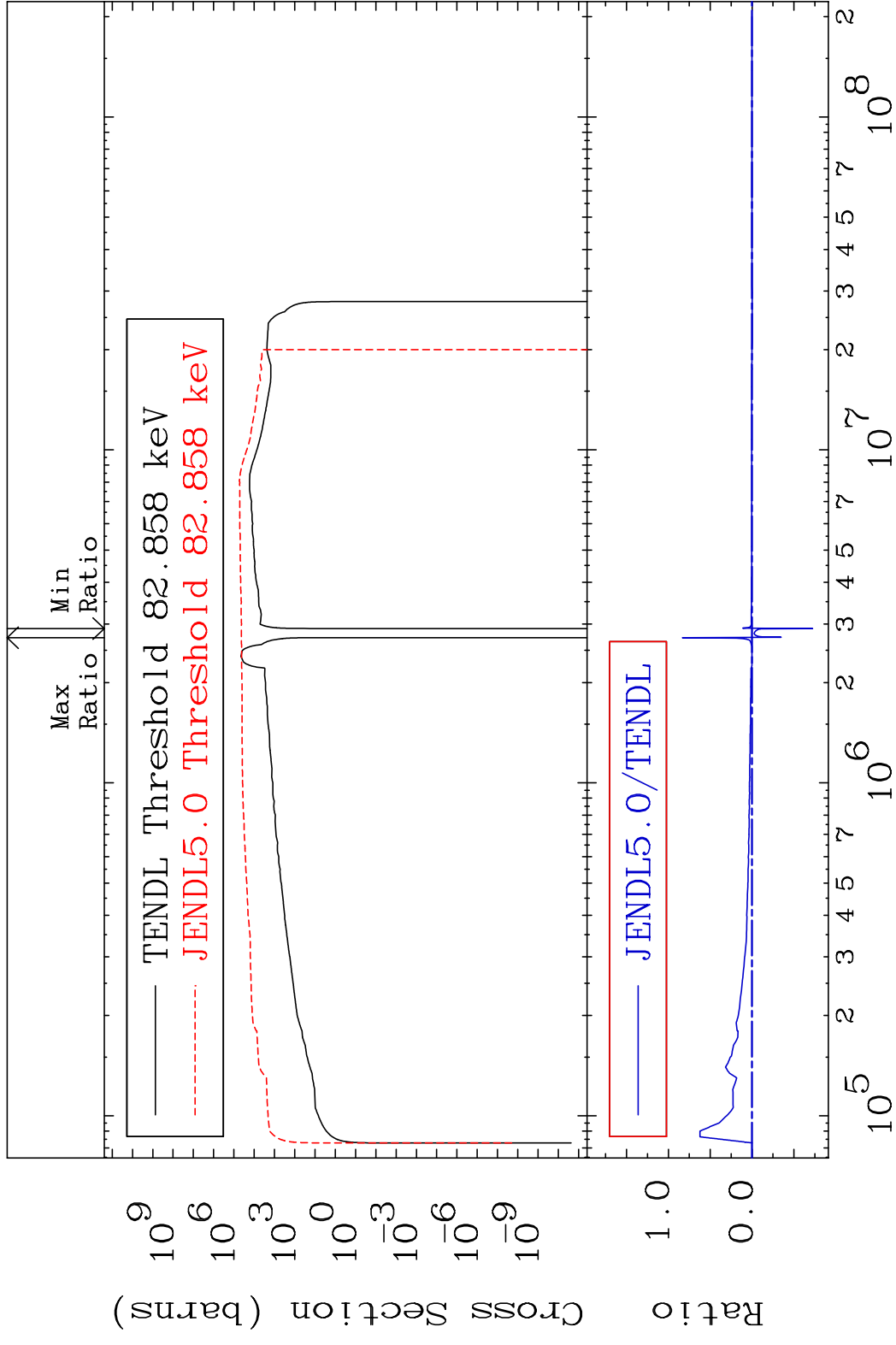
77-Ir-191
-47.33 To 9906. %



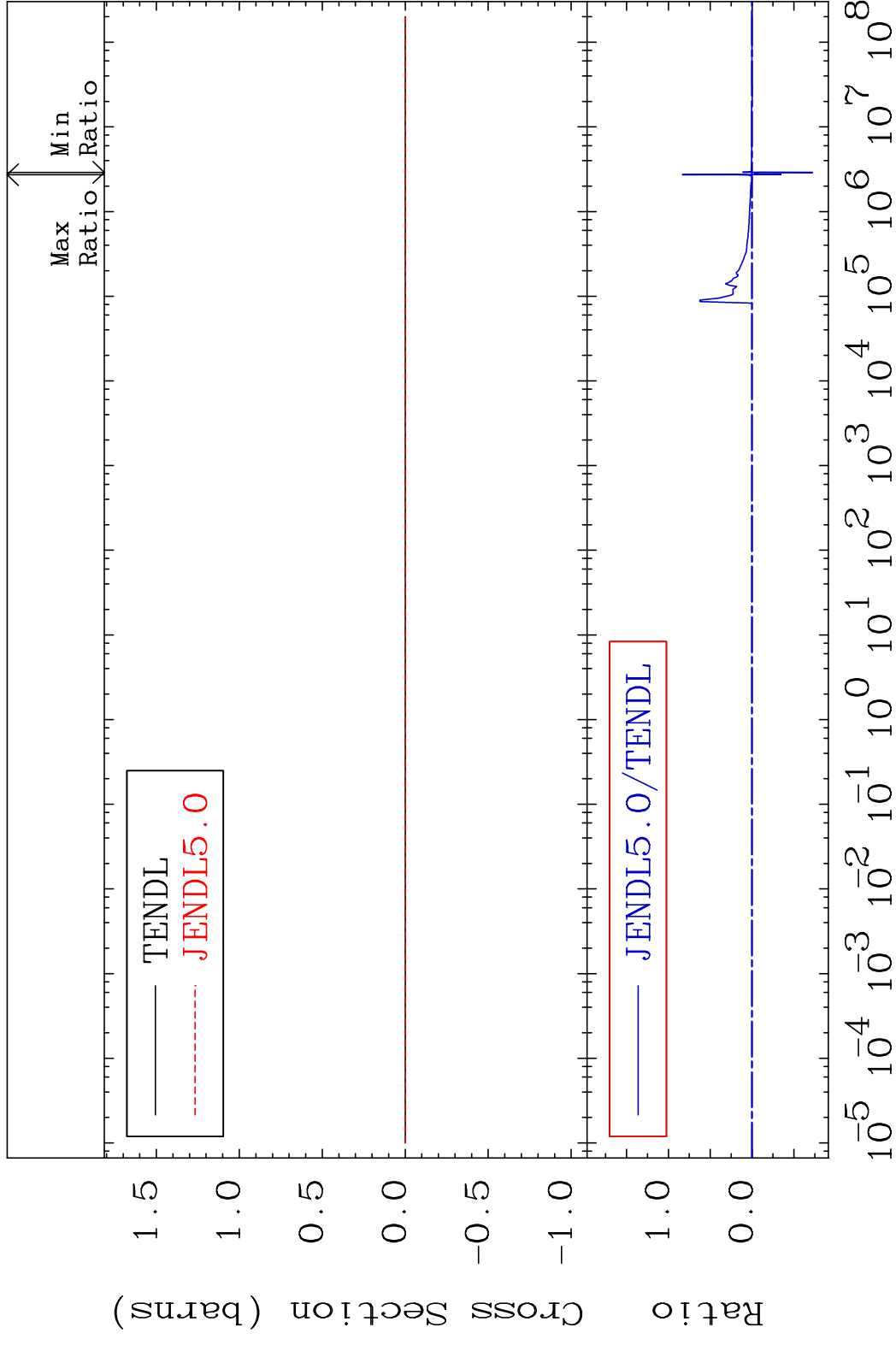
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

MAT 7725 Kerma non-elastic (all but mt2) 77-Ir-191
 Cross Section -9999. To 9999. %





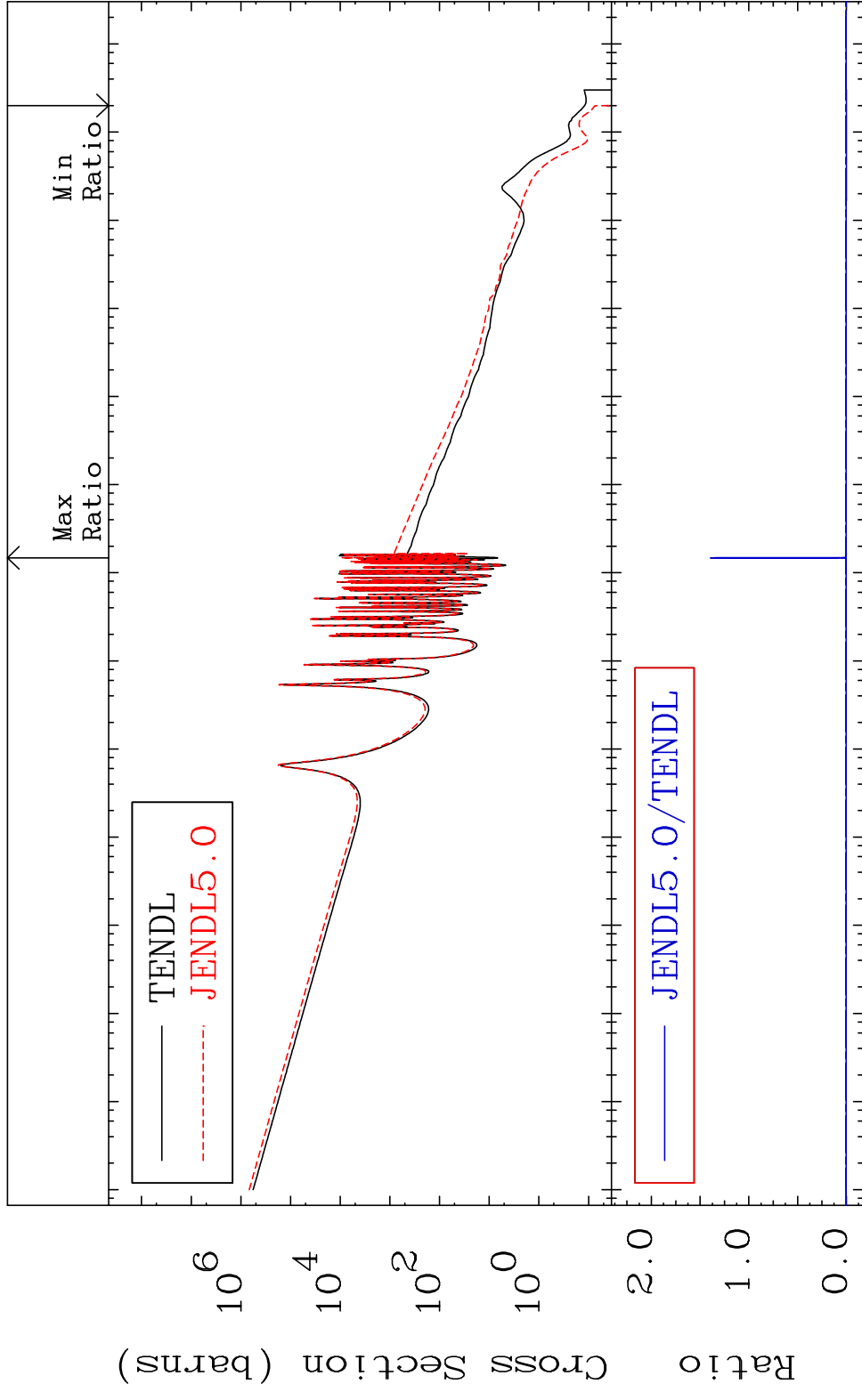
MAT 7725 Kerma fission (mt18 or mt19-20-21-38)77-Ir-191
 Cross Section -9999. To 9999. %



MAT 7725

Kerma capture (mt102) 77-Ir-191

Cross Section -100.0 To 9999. %



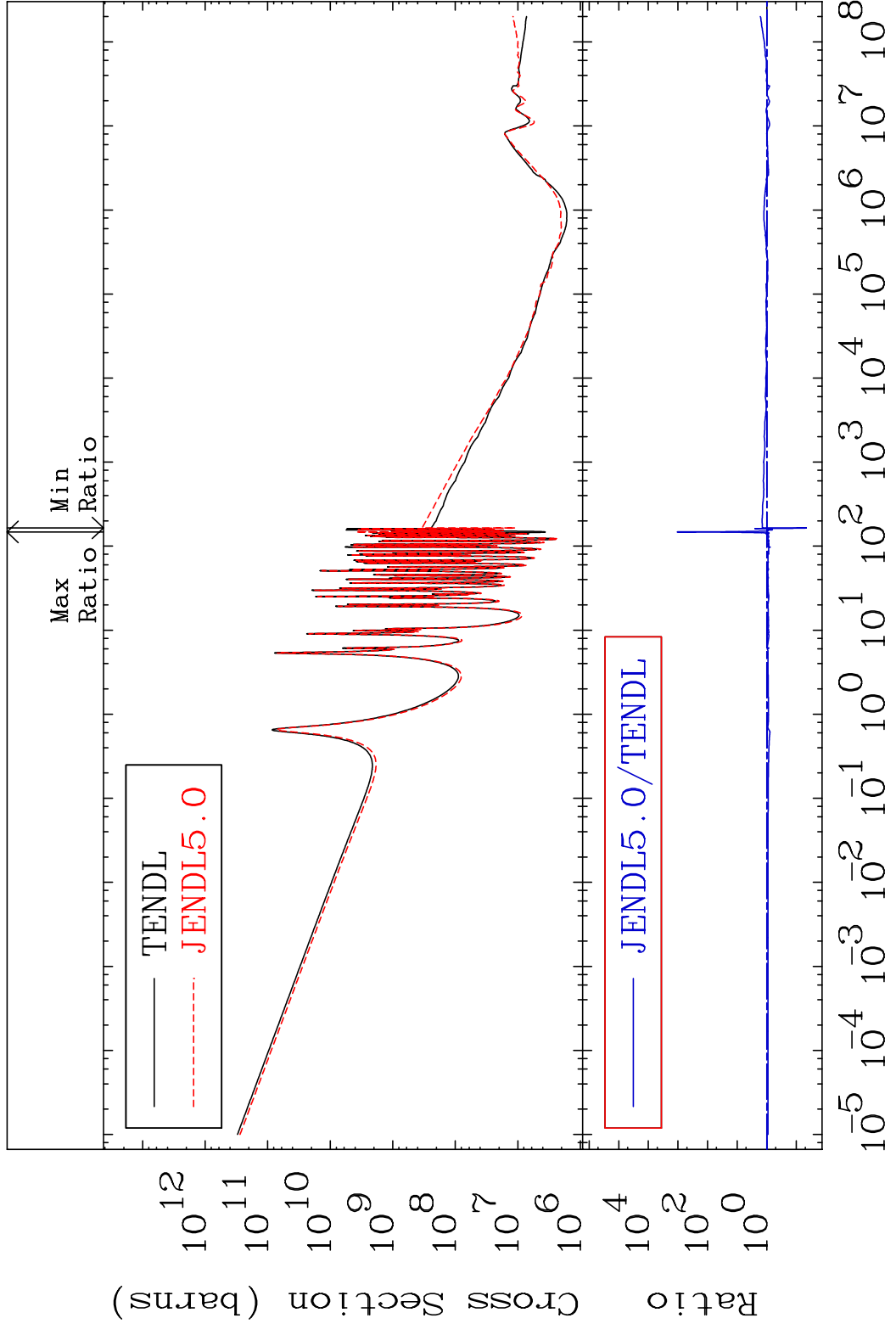
60

Incident Energy (eV)

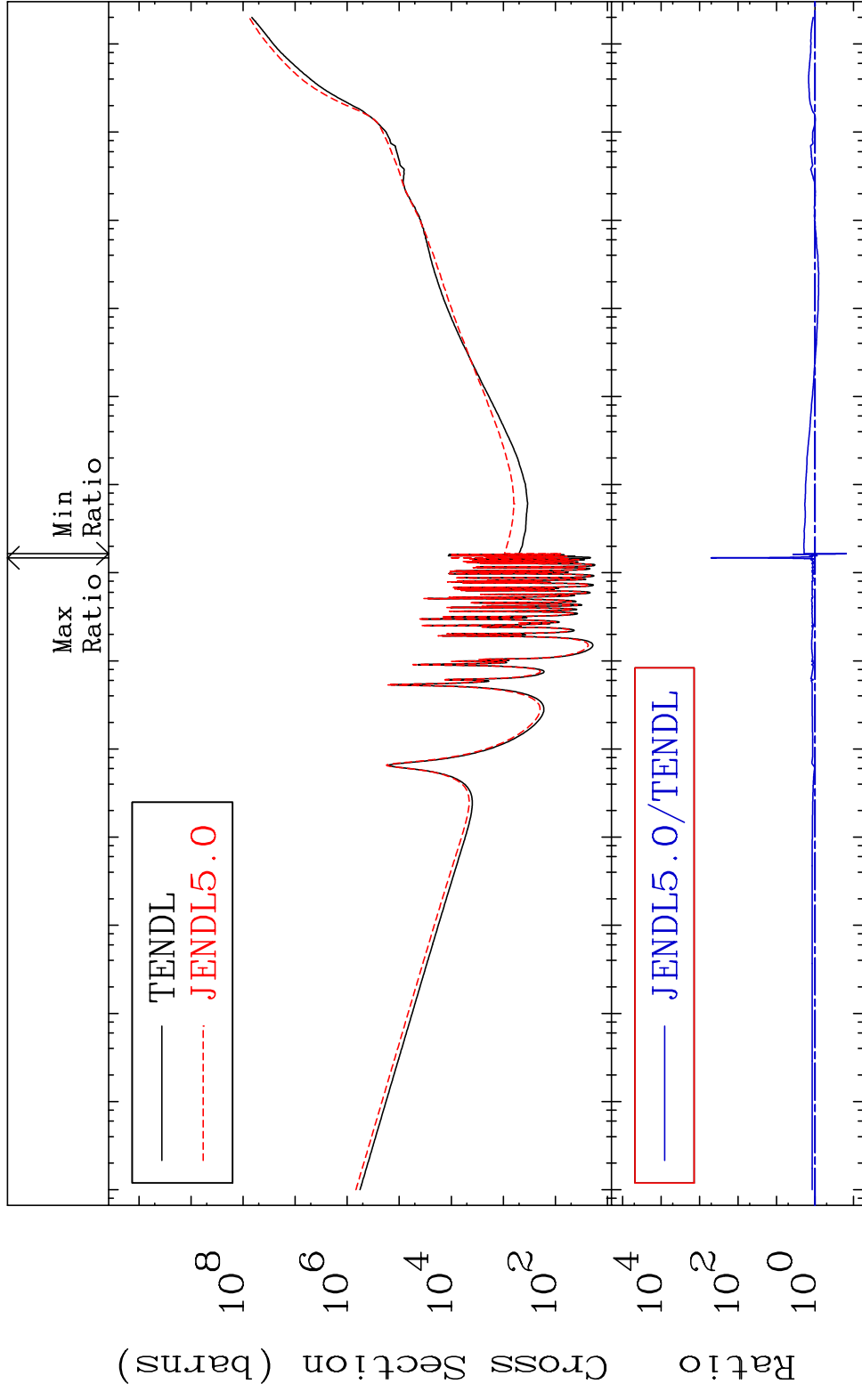
77-Ir-191

MAT 7725

Total photon (eV-barns) 77-Ir-191
Cross Section -95.42 To 9999. %



MAT 7725 Total kinematic kerma (high limit) 77-Ir-191
 Cross Section -84.58 To 9999. %

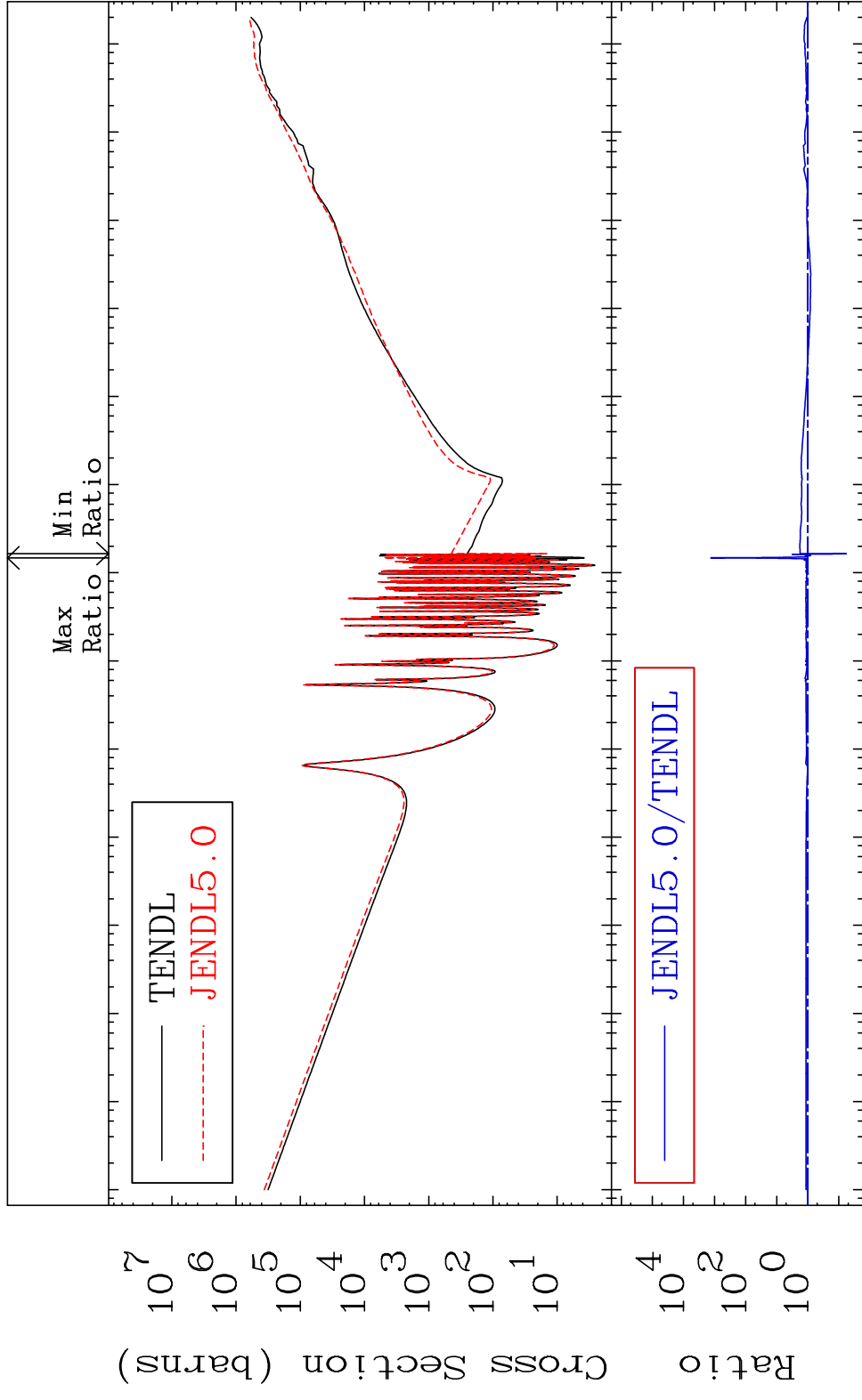


MAT 7725

Dpa total (eV-barns)

77-Ir-191

Cross Section -94.25 To 9999. %

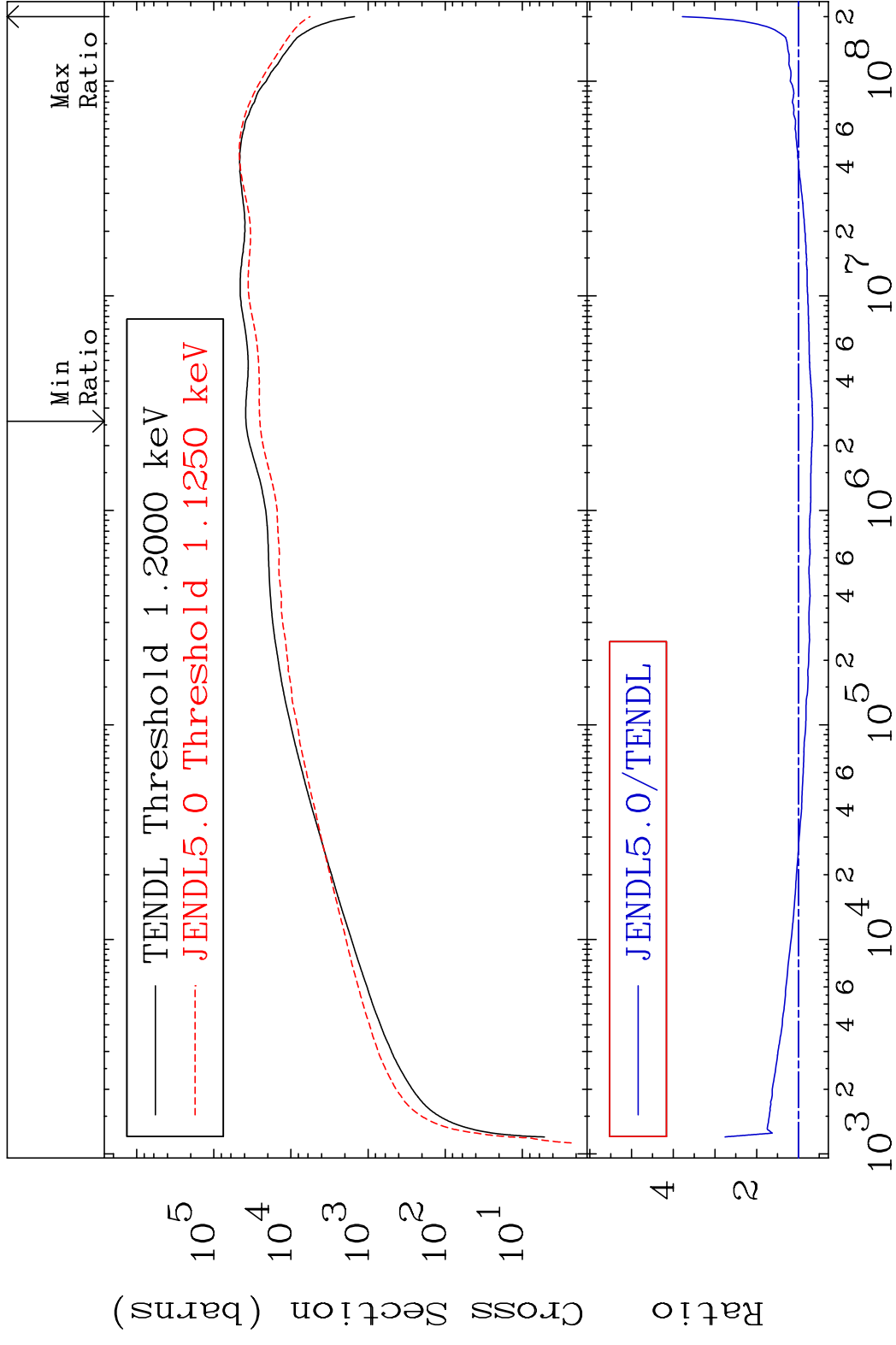


MAT 7725

Dpa elastic (mt2)

77-Ir-191

Cross Section -33.98 To 278.3 %



64

Incident Energy (eV)

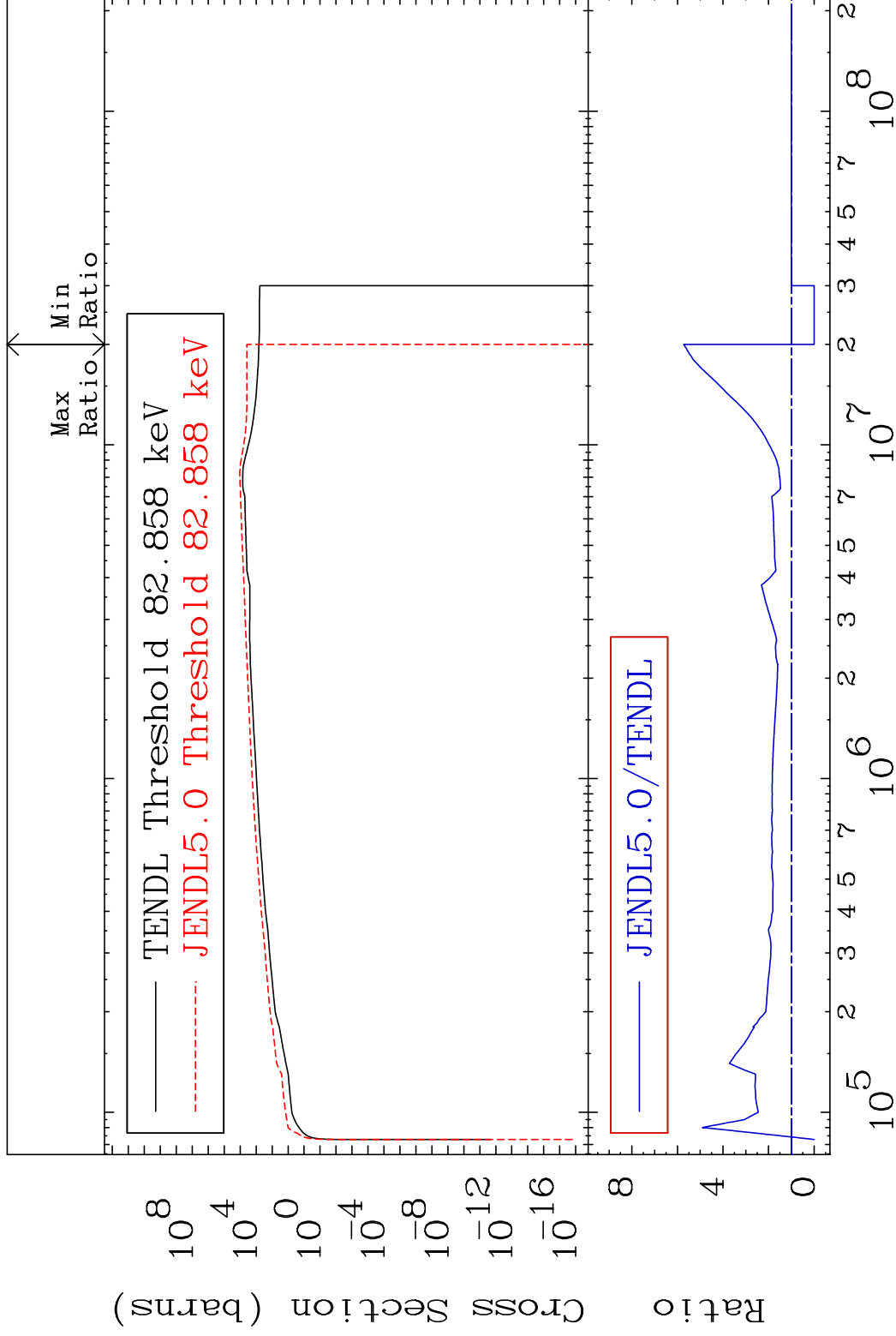
77-Ir-191

MAT 7725

Dpa inelastic (mt51-91)

77-Ir-191

Cross Section -100.0 To 472.7 %

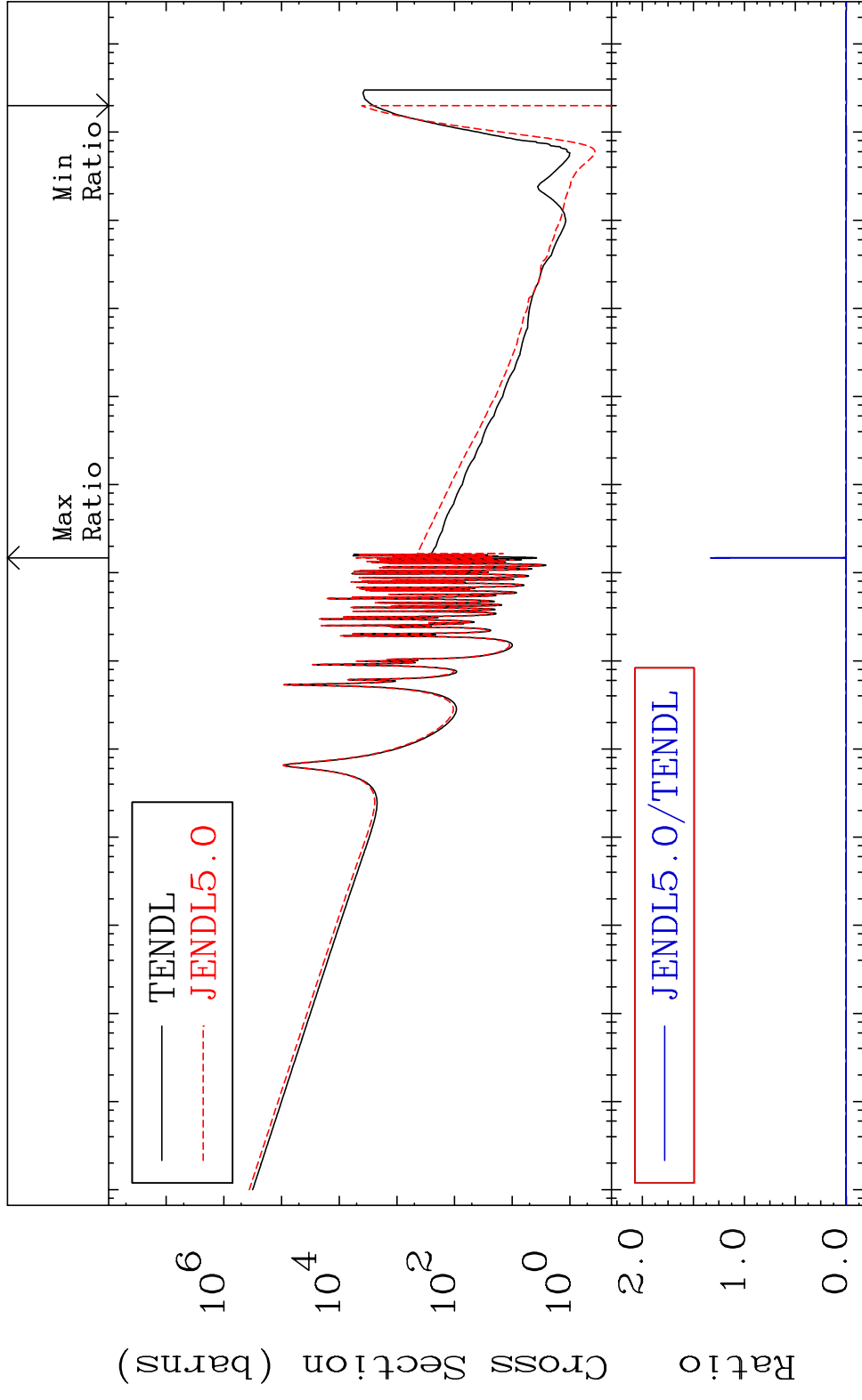


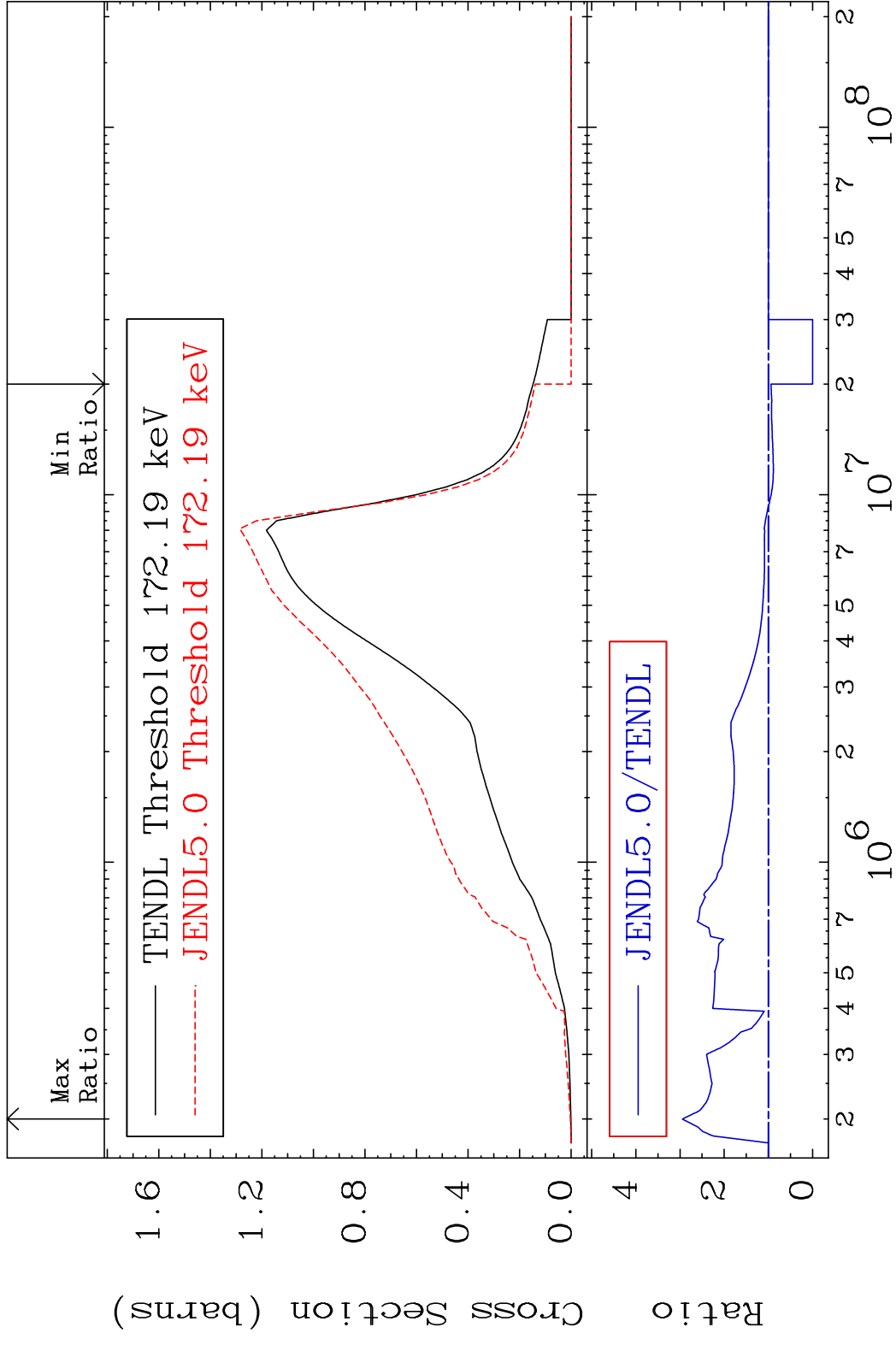
65

Incident Energy (eV)

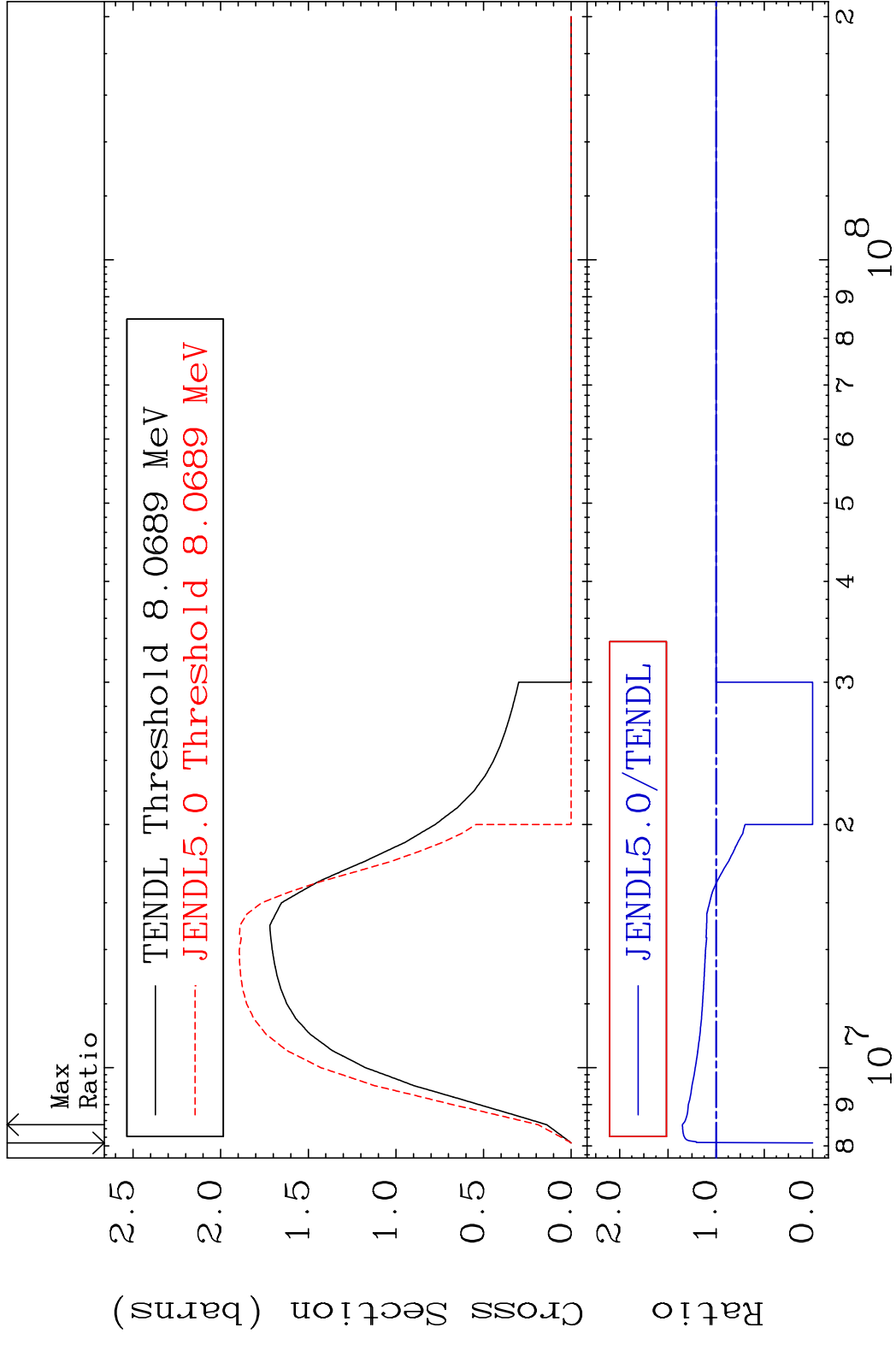
77-Ir-191

MAT 7725 Dpa disappearance (mt102 -120) 77-Ir-191
 Cross Section -100.0 To 9999. %

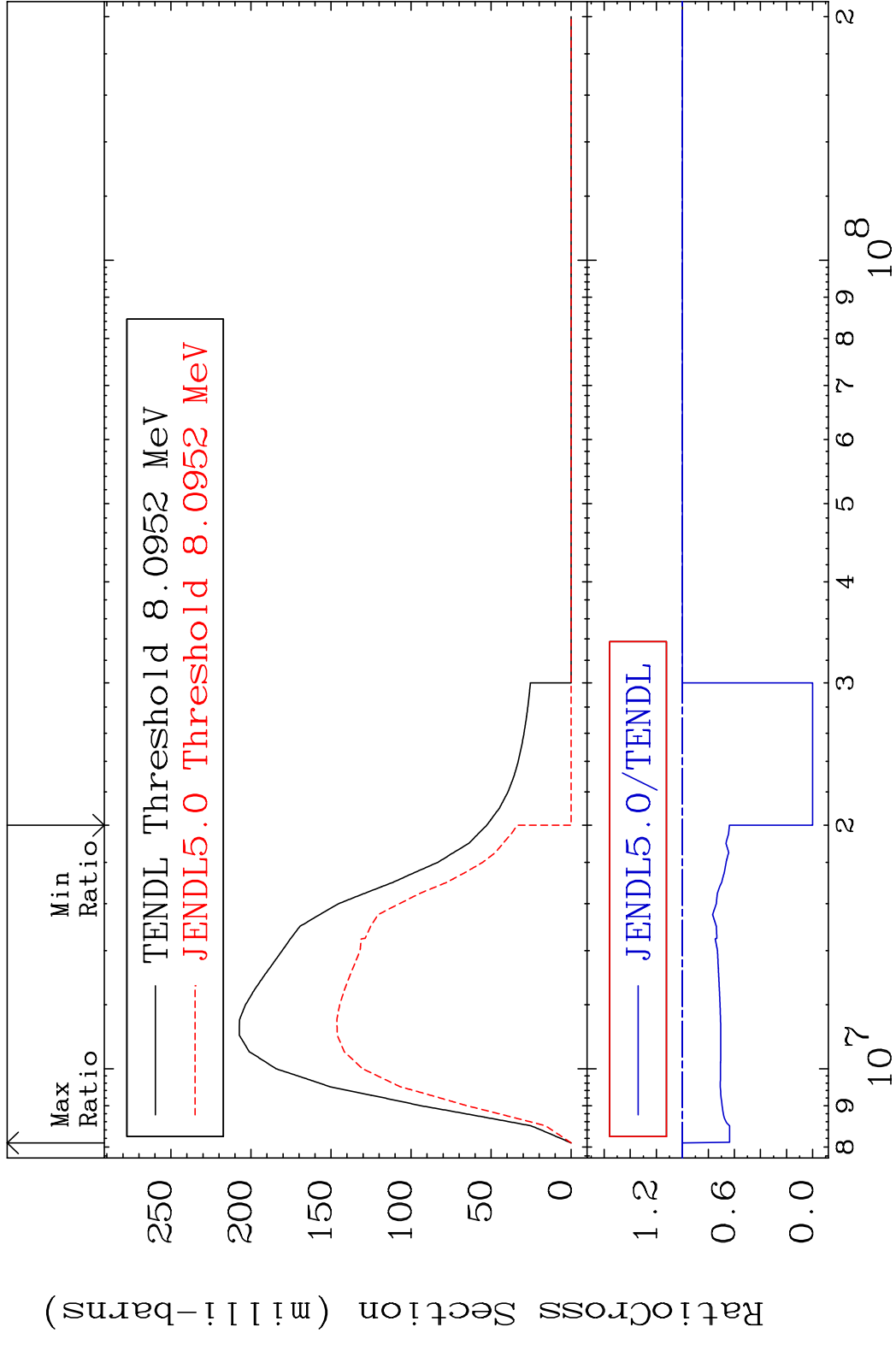




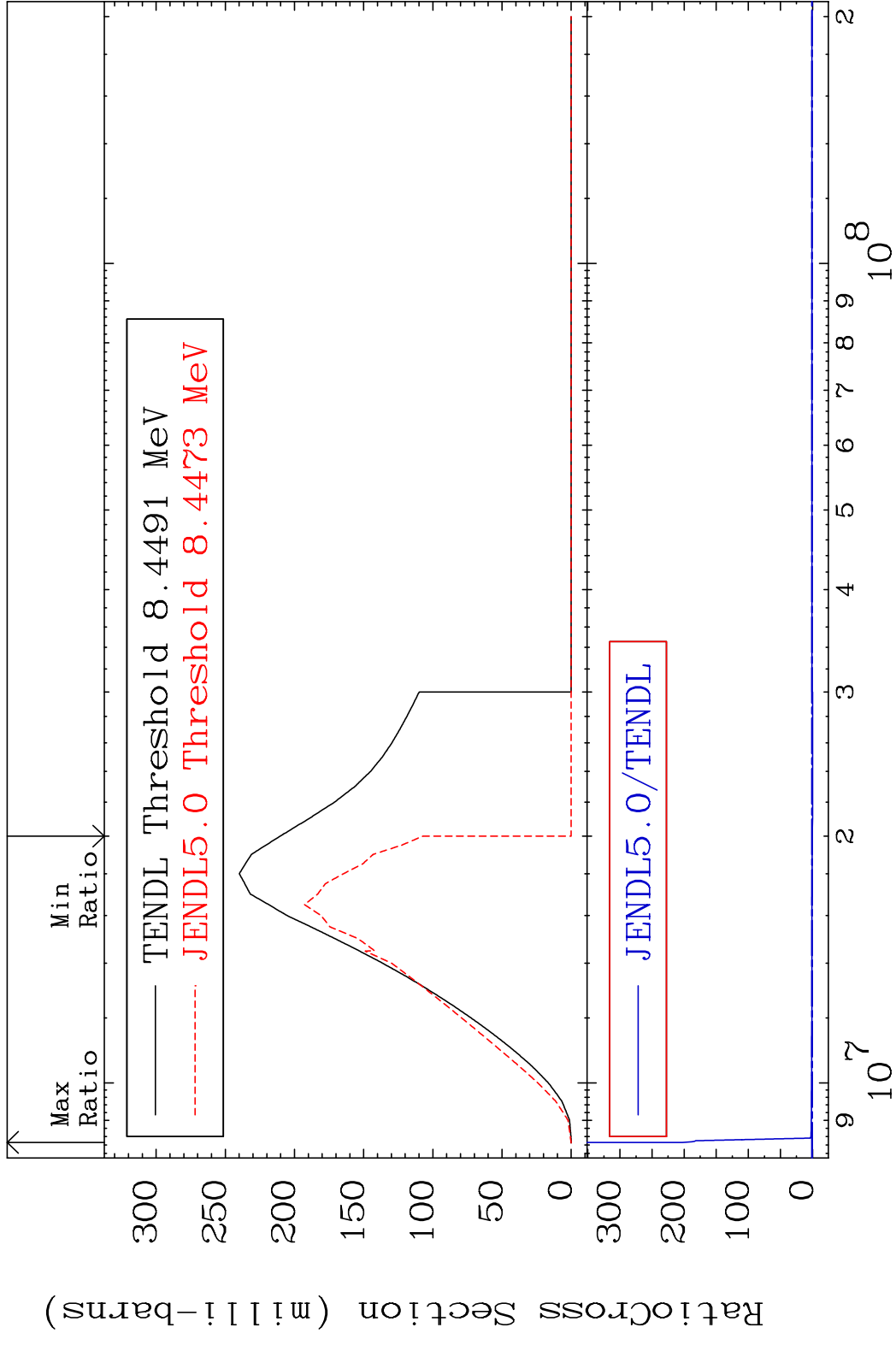
MAT 7725 (n,2n):77-Ir-190g 77-Ir-191
 Radionuclide Production Cross Section 180.01 dth 35.06 %



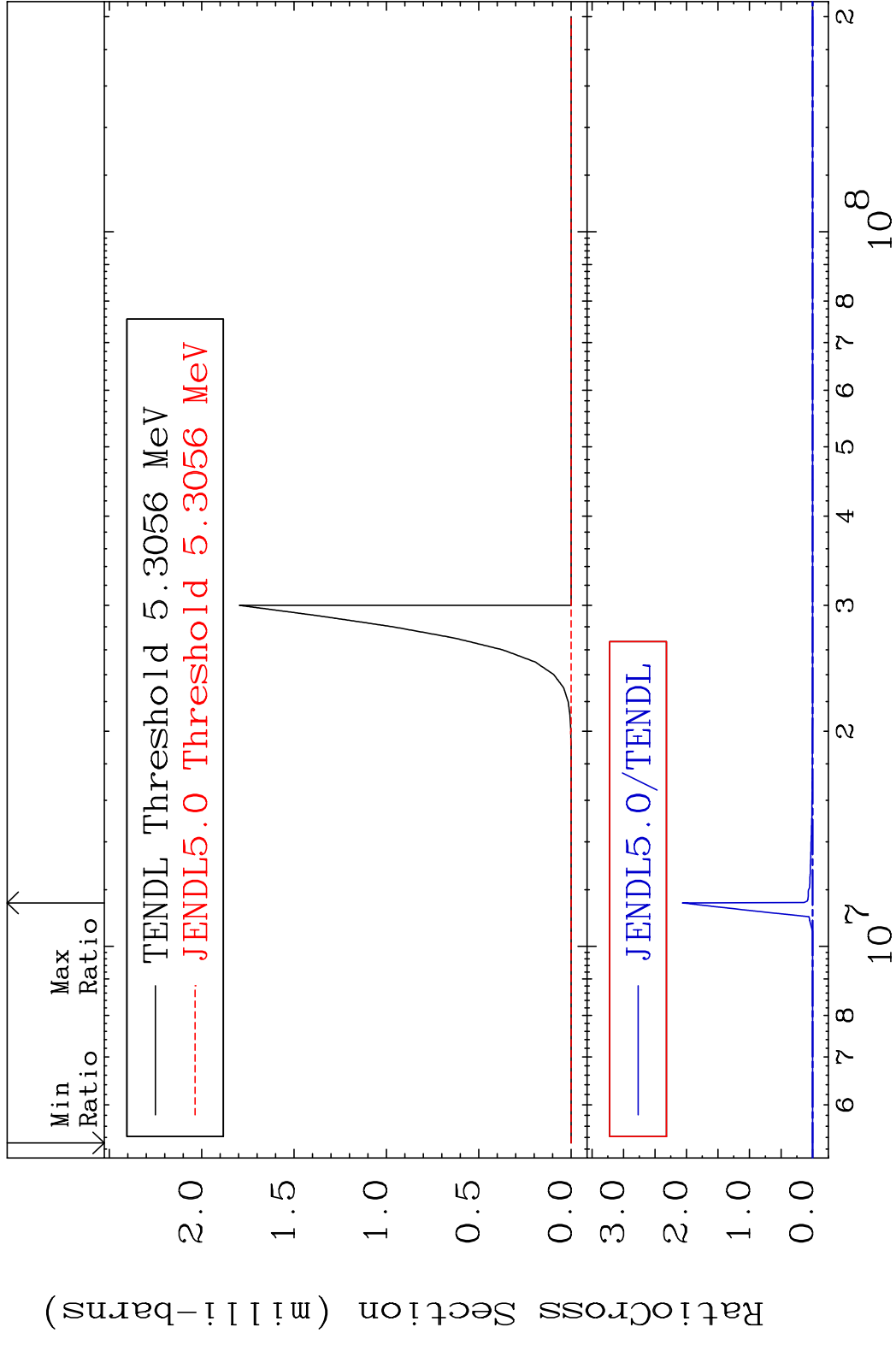
MAT 7725 (n,2n):77-Ir-190m2 77-Ir-191
 Radionuclide Production Cross Section 180.0 mb 0.000 %

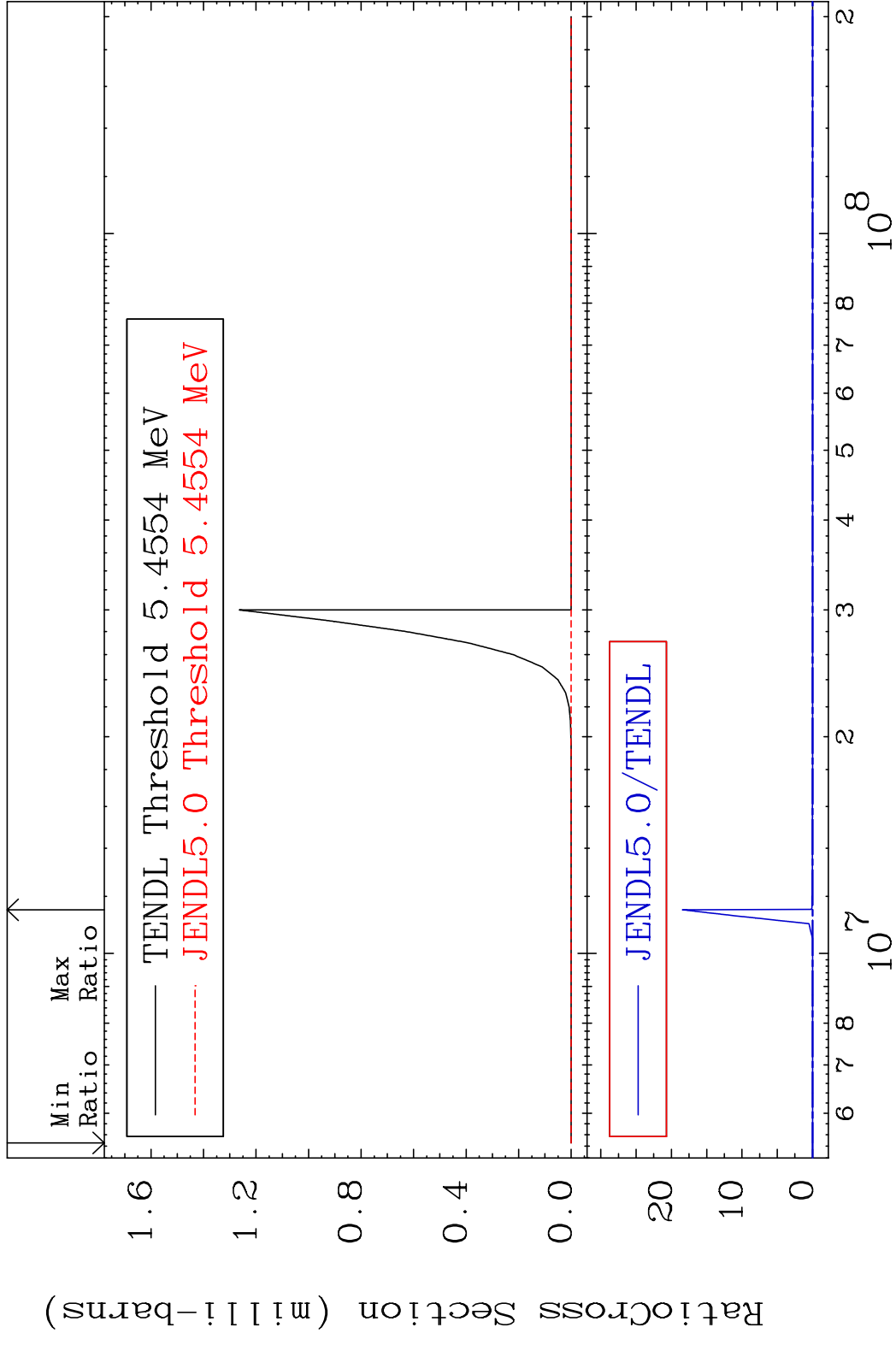


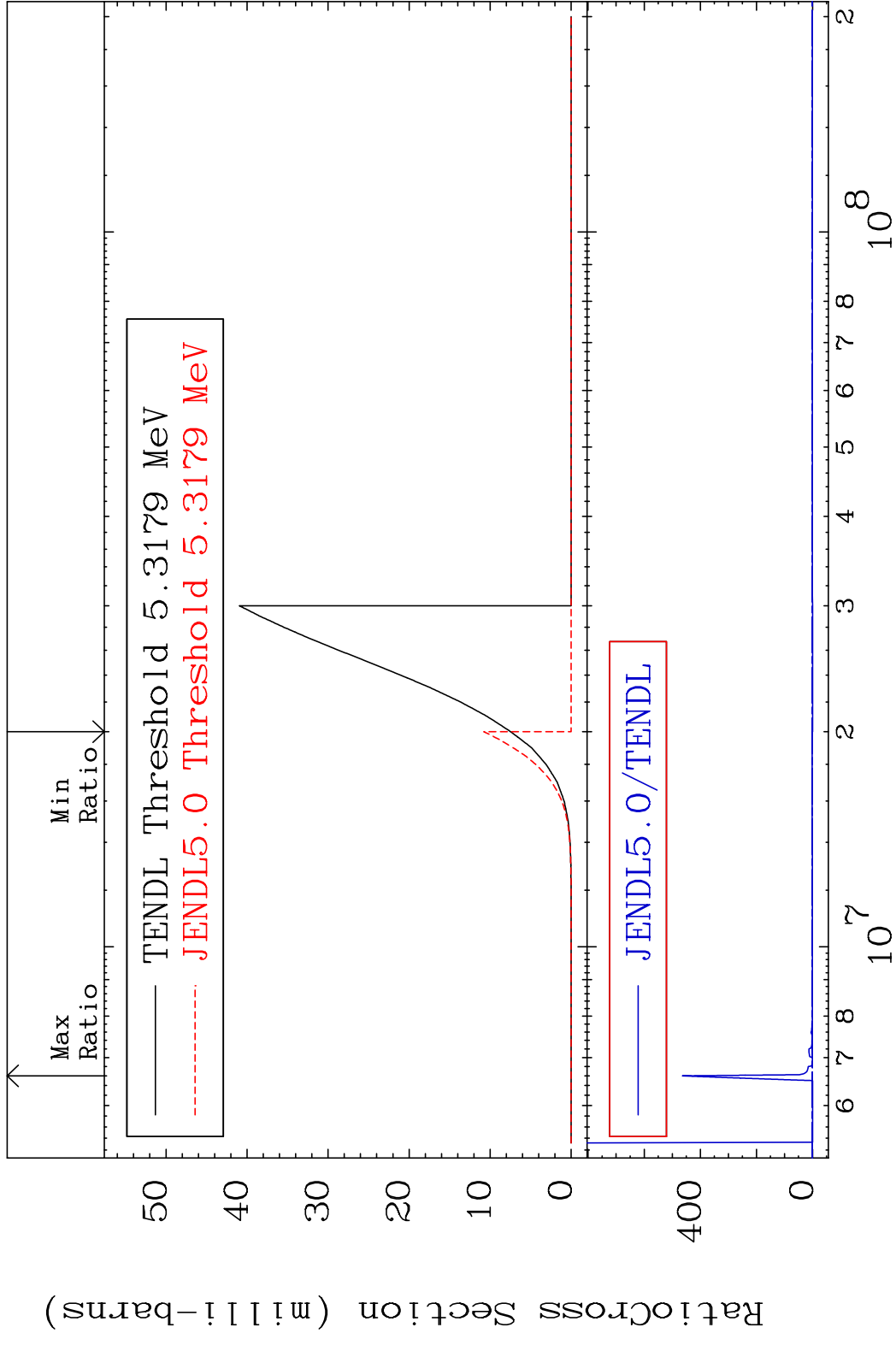
MAT 7725 (n,2n):77-Ir-190m37 77-Ir-191
 Radionuclide Production Cross Section Ratio 9999. %

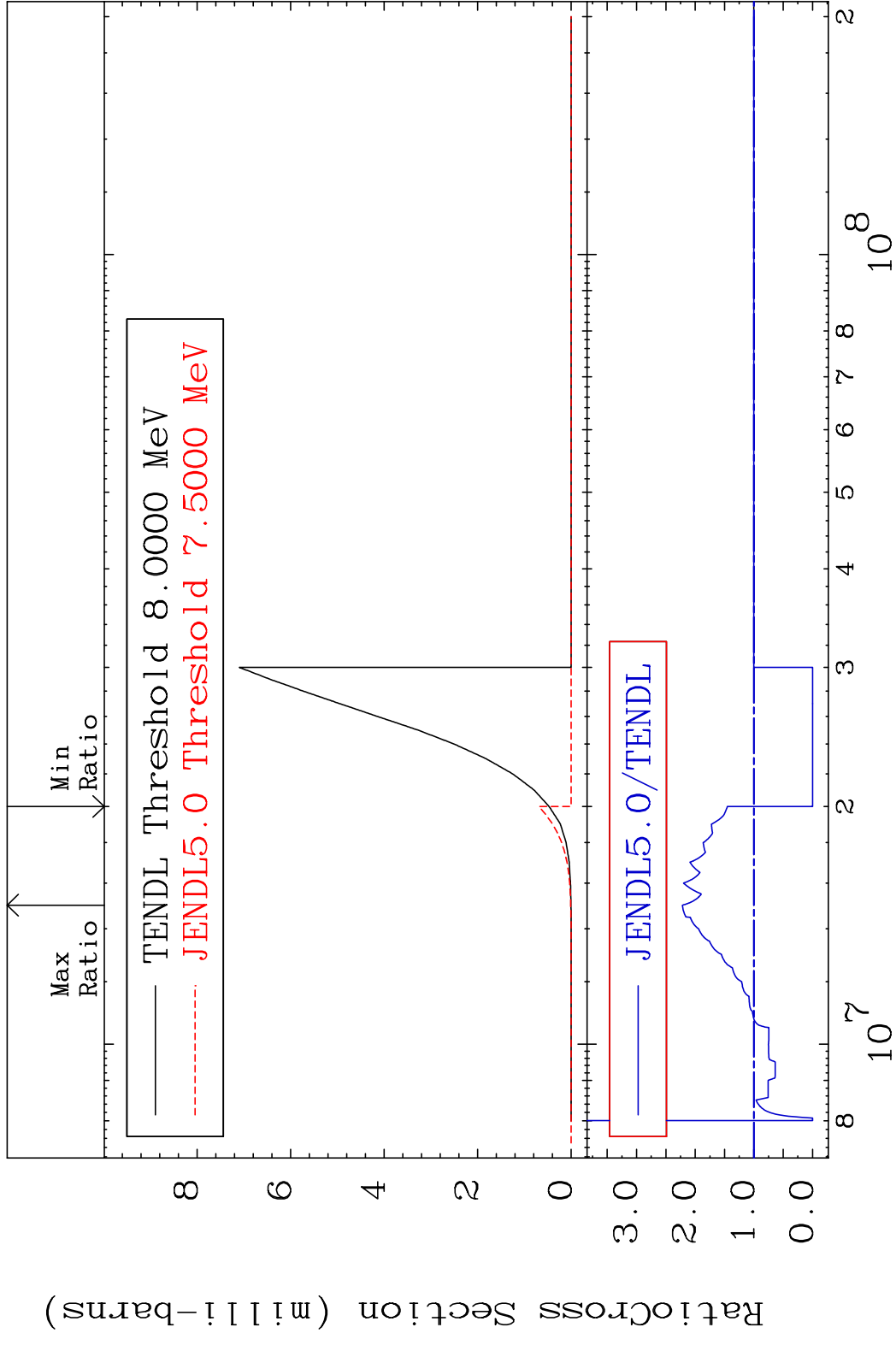


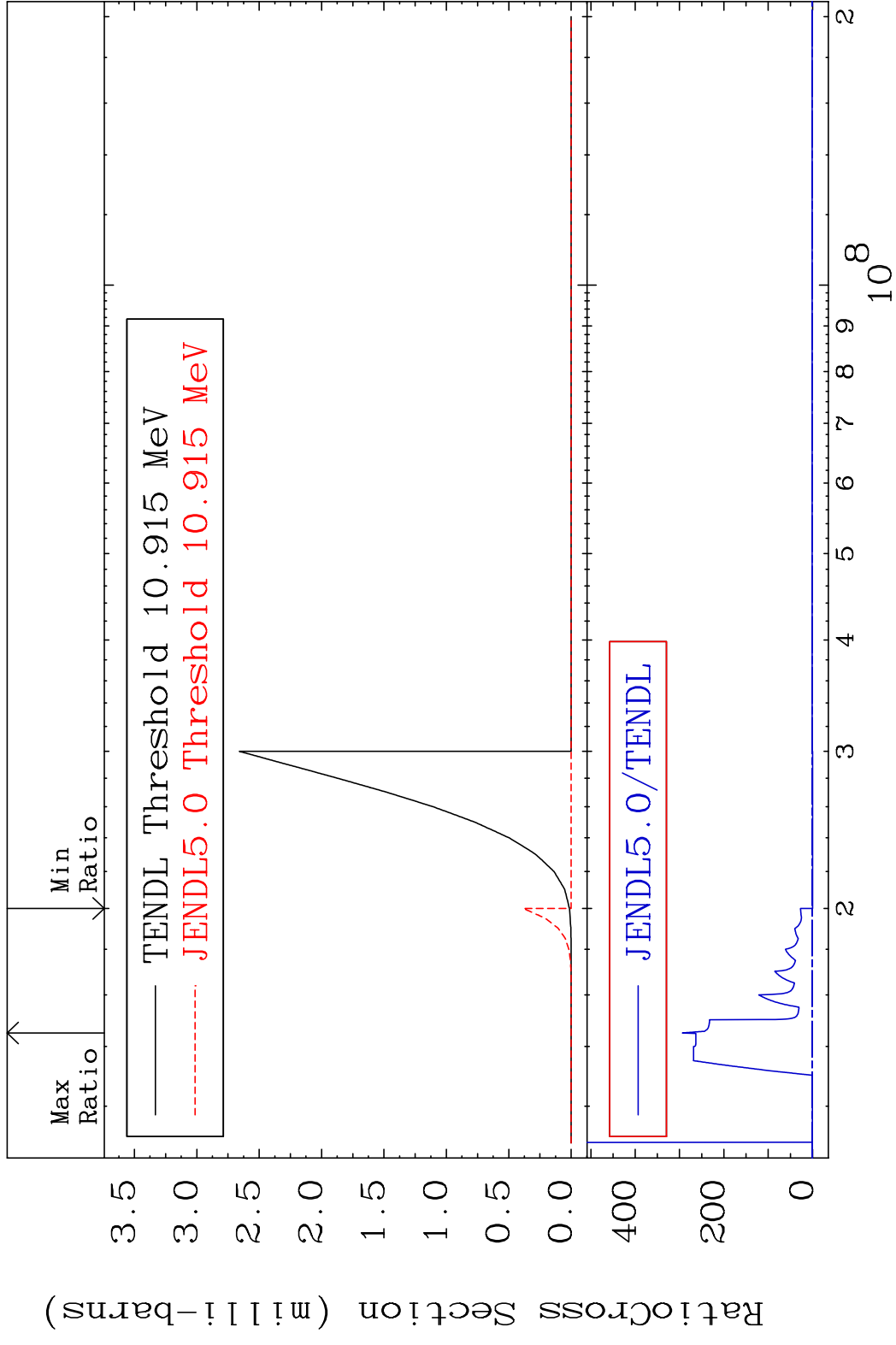
70 Incident Energy (eV) 77-Ir-191

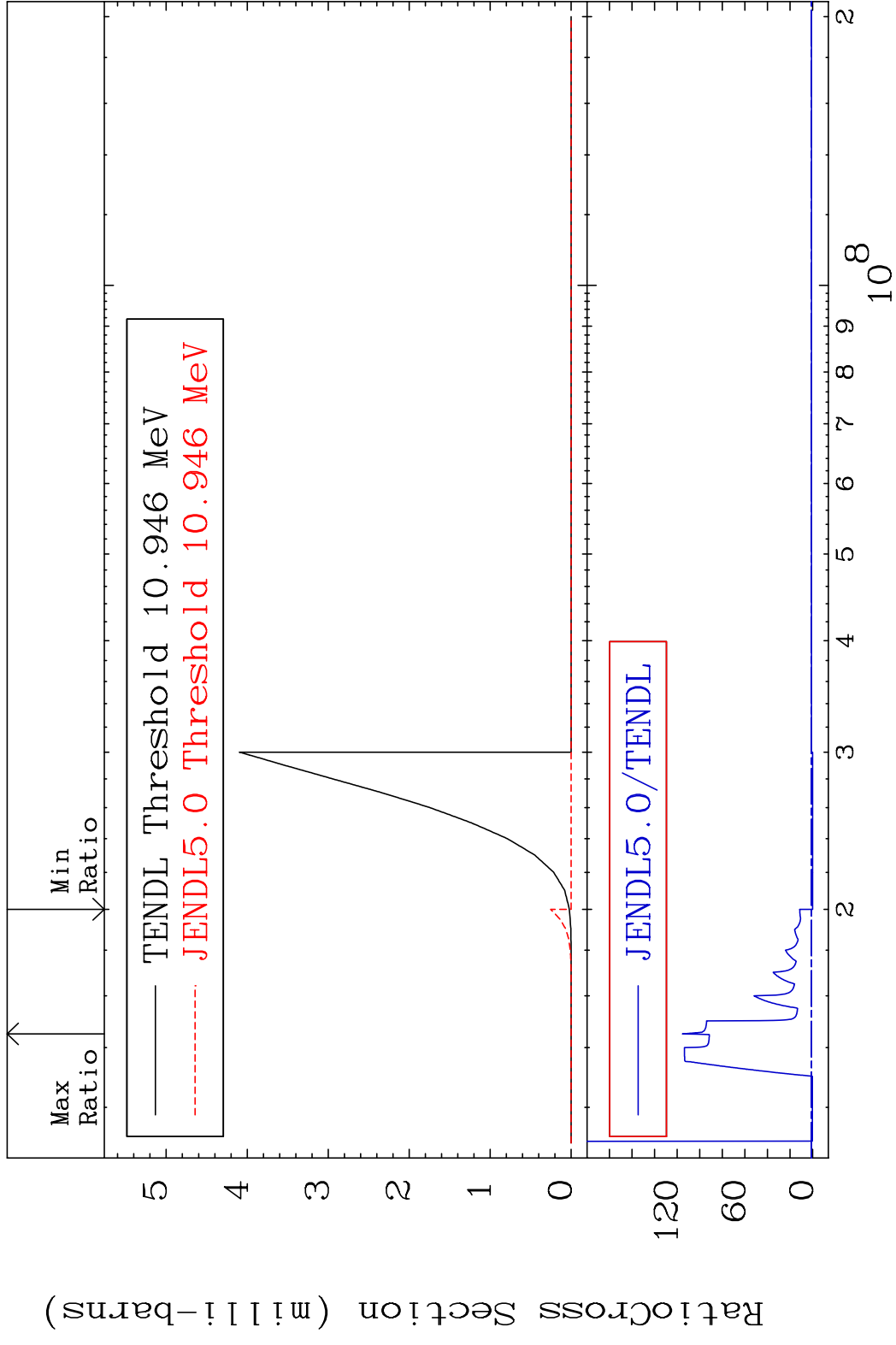


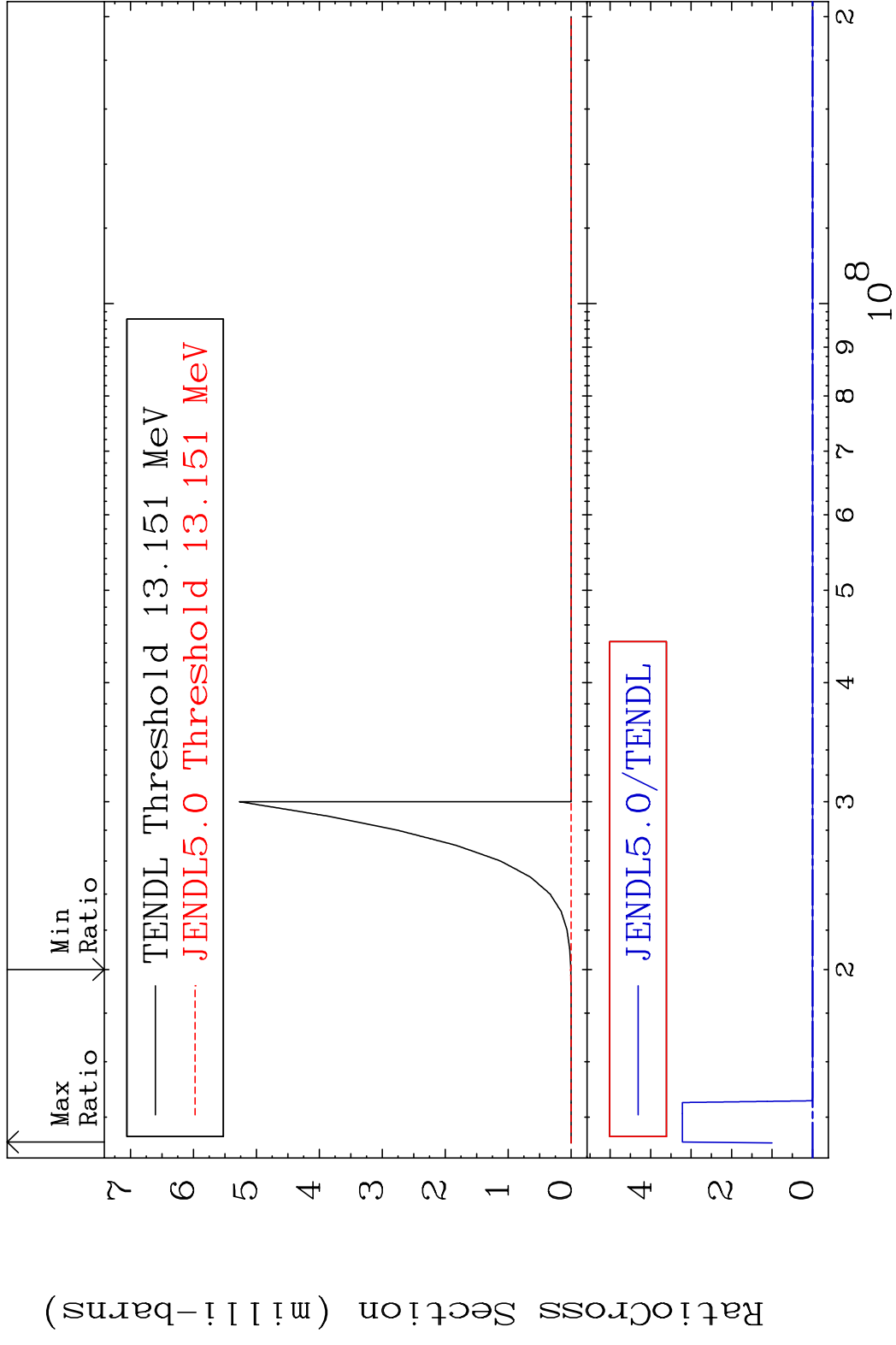


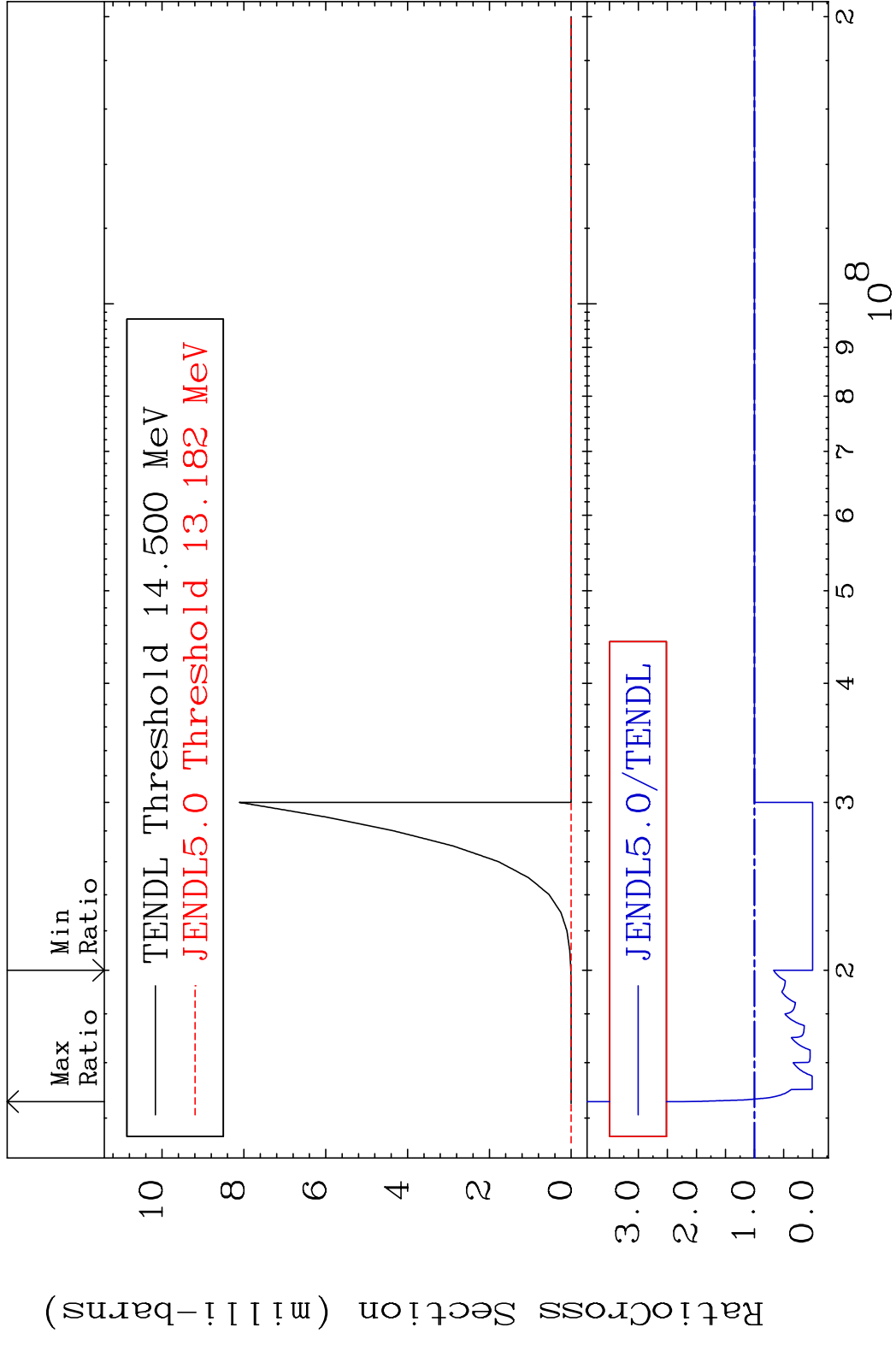












MAT 7725 (n,d):76-0s-190g 77-Ir-191
 Radionuclide Production Cross Section Ratio

