

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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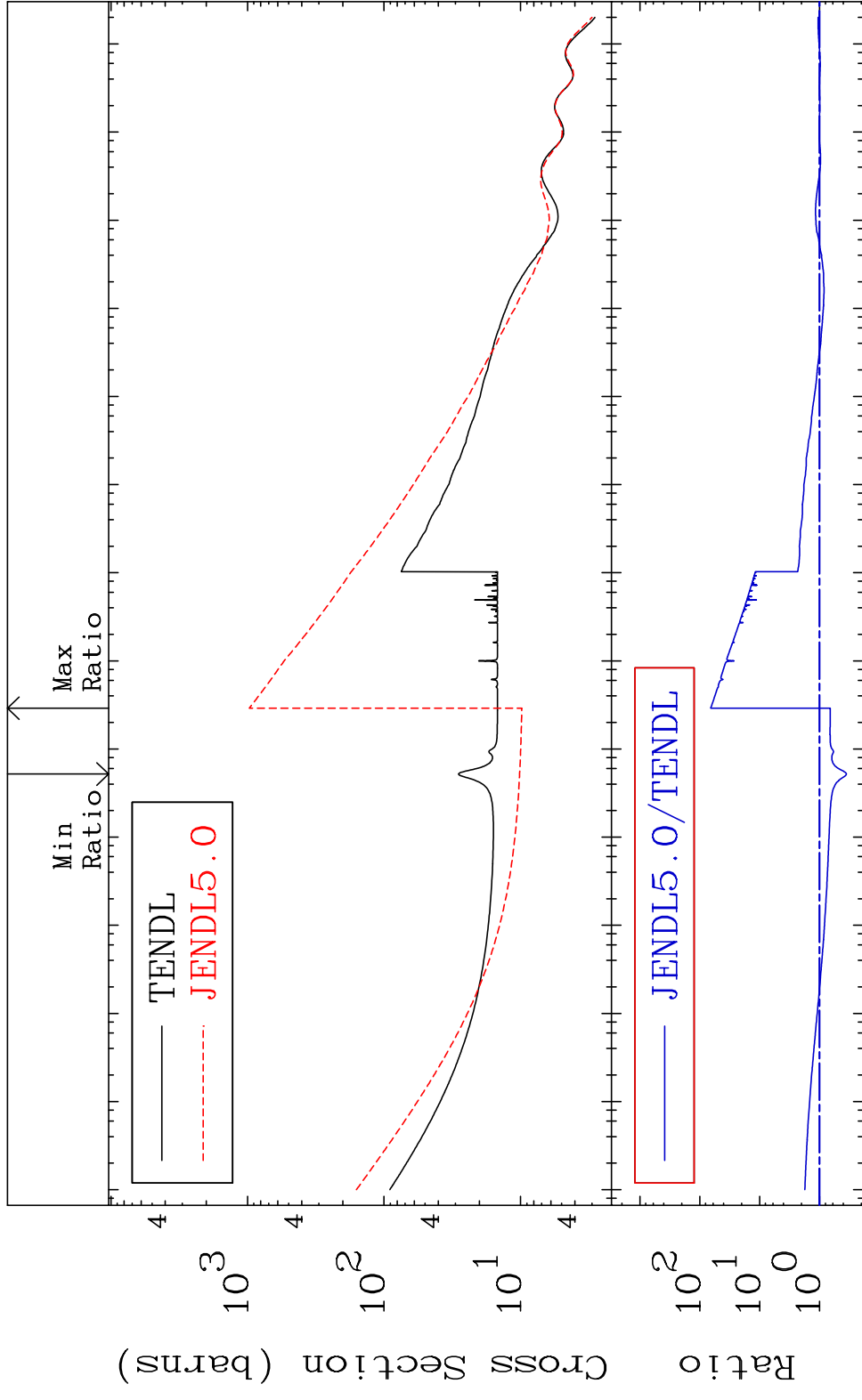
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7732

Total
Cross Section -64.28 To 6471. %

77-Ir-193m



Ratio
10²
10¹
10⁰
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁵

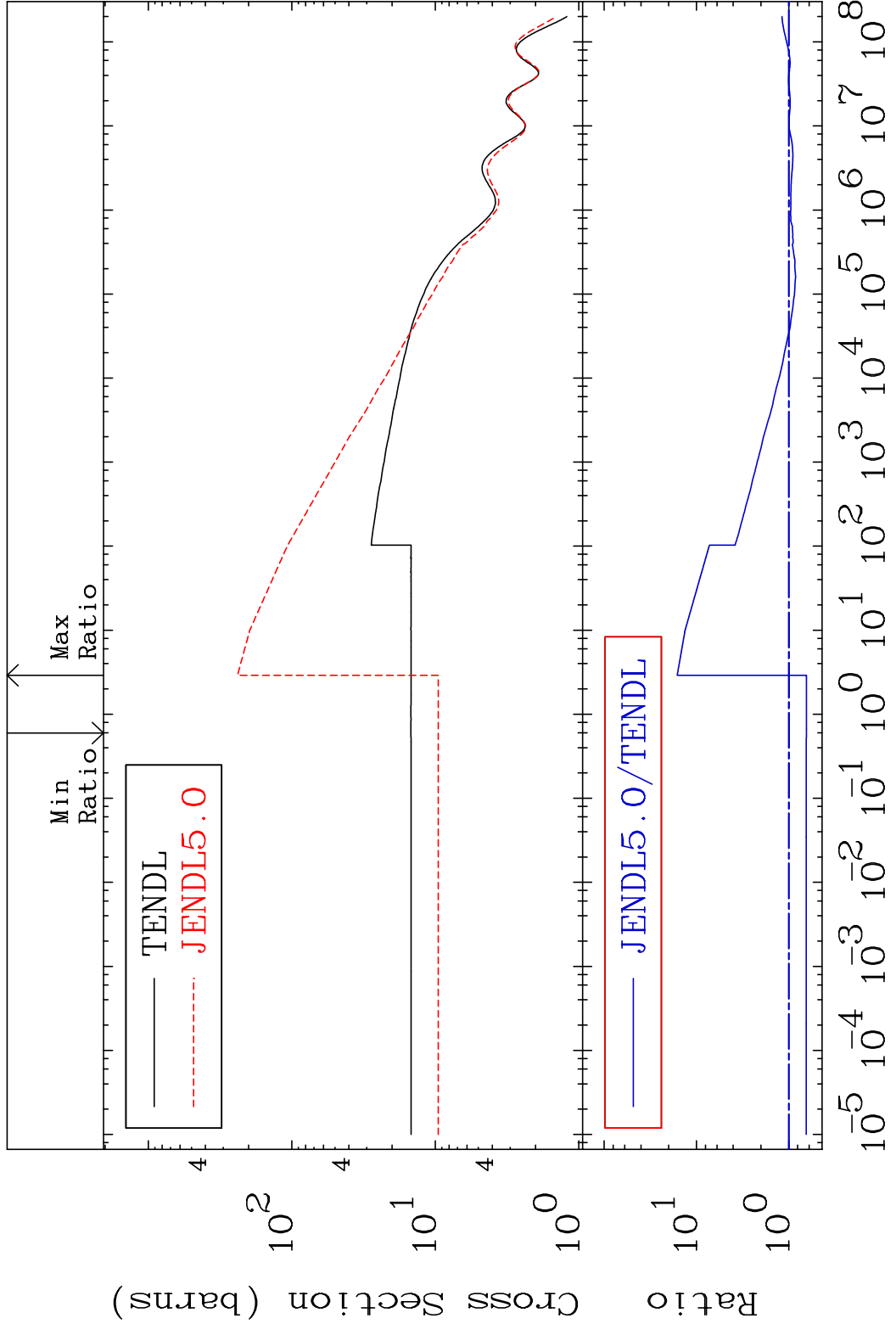
1 Incident Energy (eV) 77-Ir-193m

MAT 7732

Elastic

77-Ir-193m

Cross Section -35.62 To 1519. %



2

Incident Energy (eV)

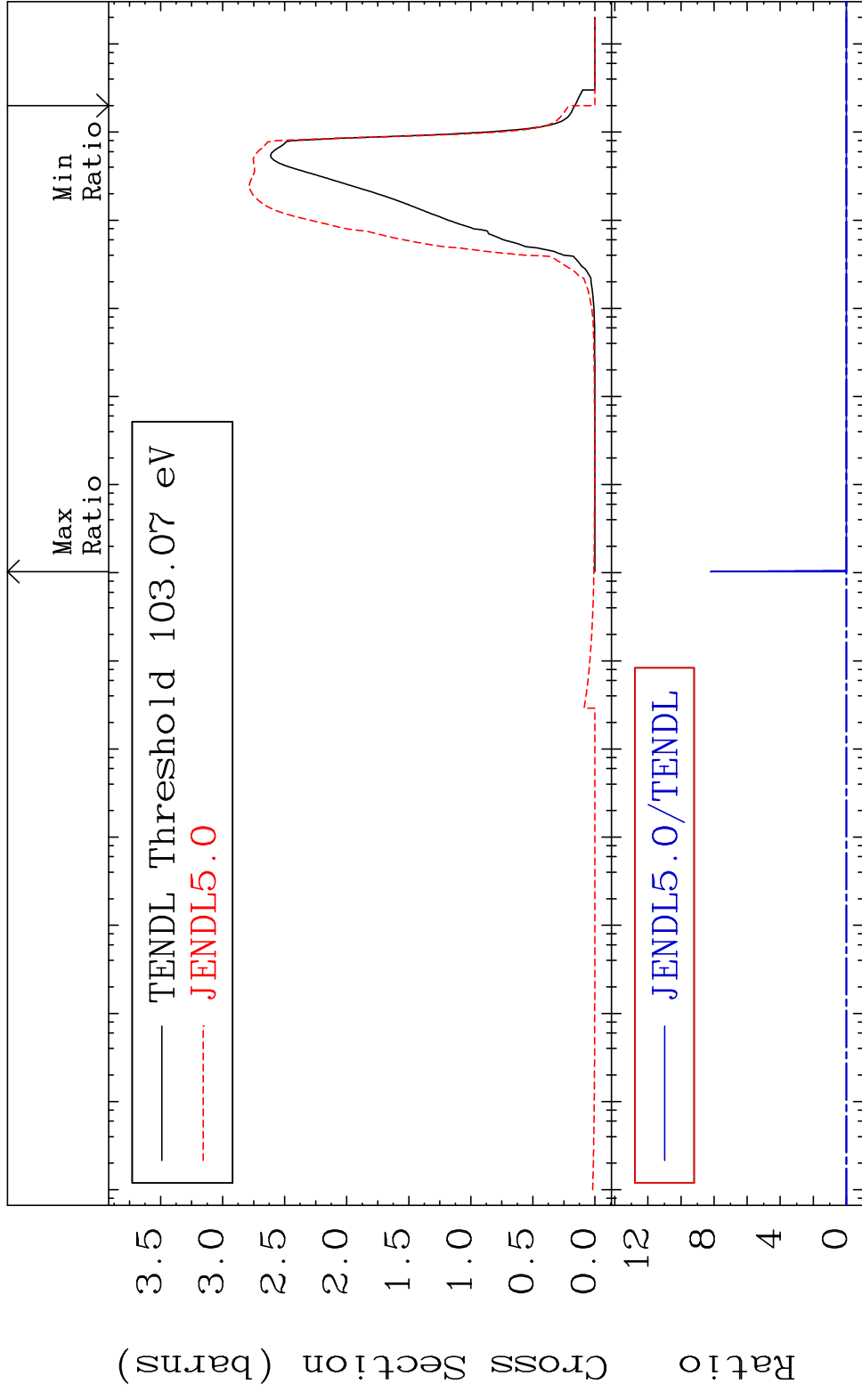
77-Ir-193m

MAT 7732

Inelastic

77-Ir-193m

Cross Section -100.0 To 9999. %

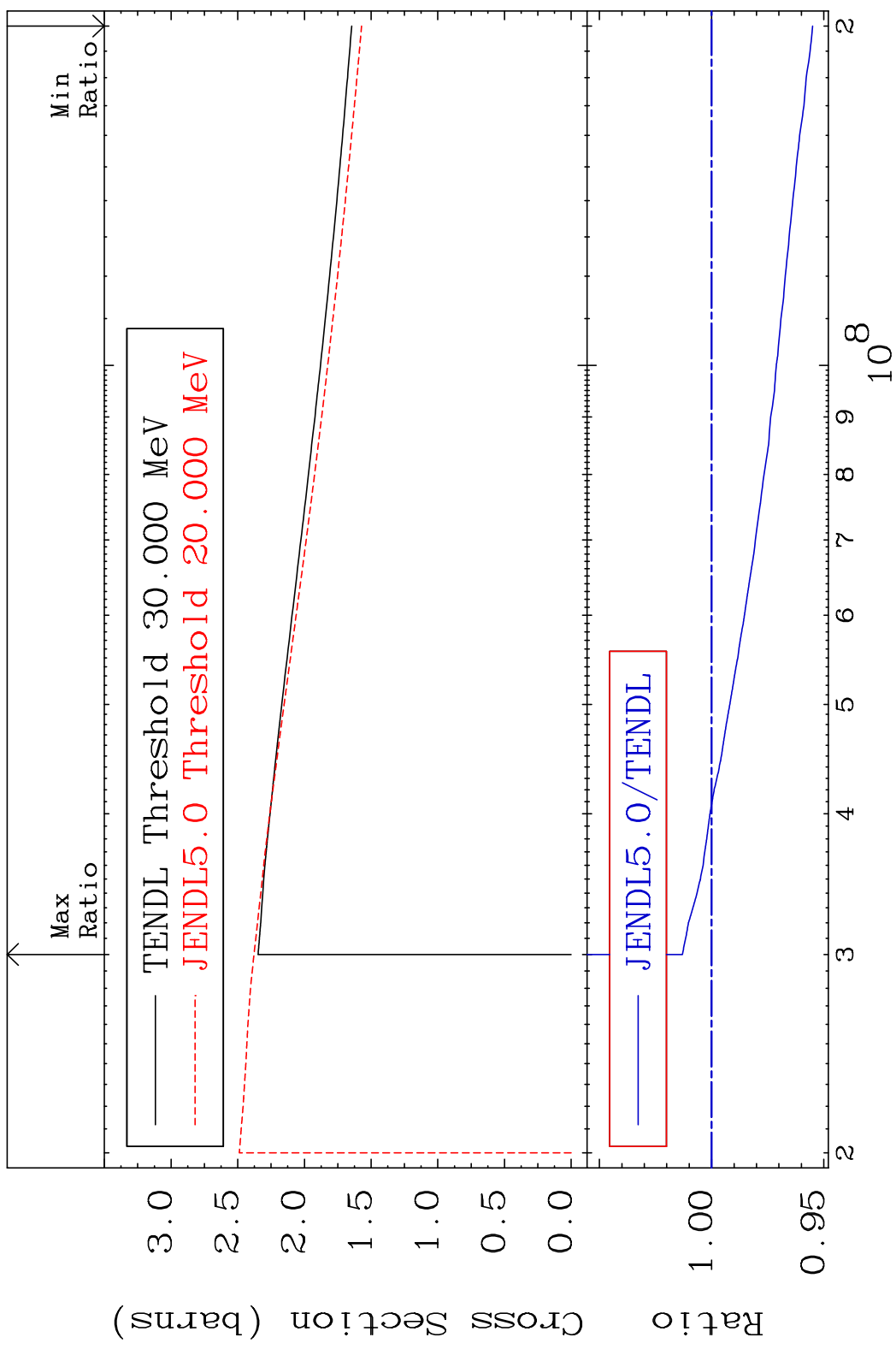


MAT 7732

(n, remainder)

77-Ir-193m

Cross Section -4.498 To 1.305 %



4

Incident Energy (eV)

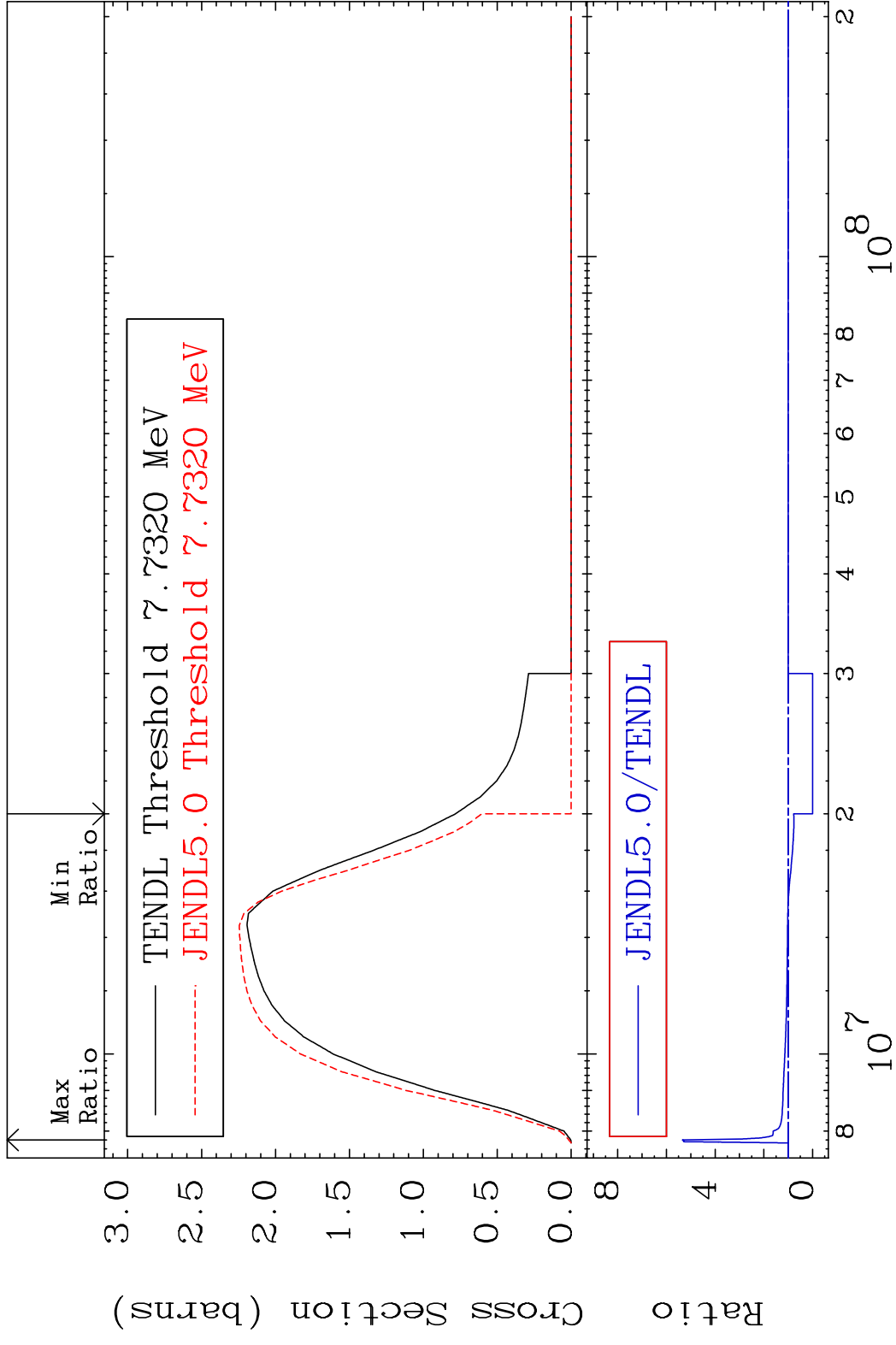
77-Ir-193m

MAT 7732

(n,2n)

77-Ir-193m

Cross Section -100.0 To 434.6 %



5

Incident Energy (eV)

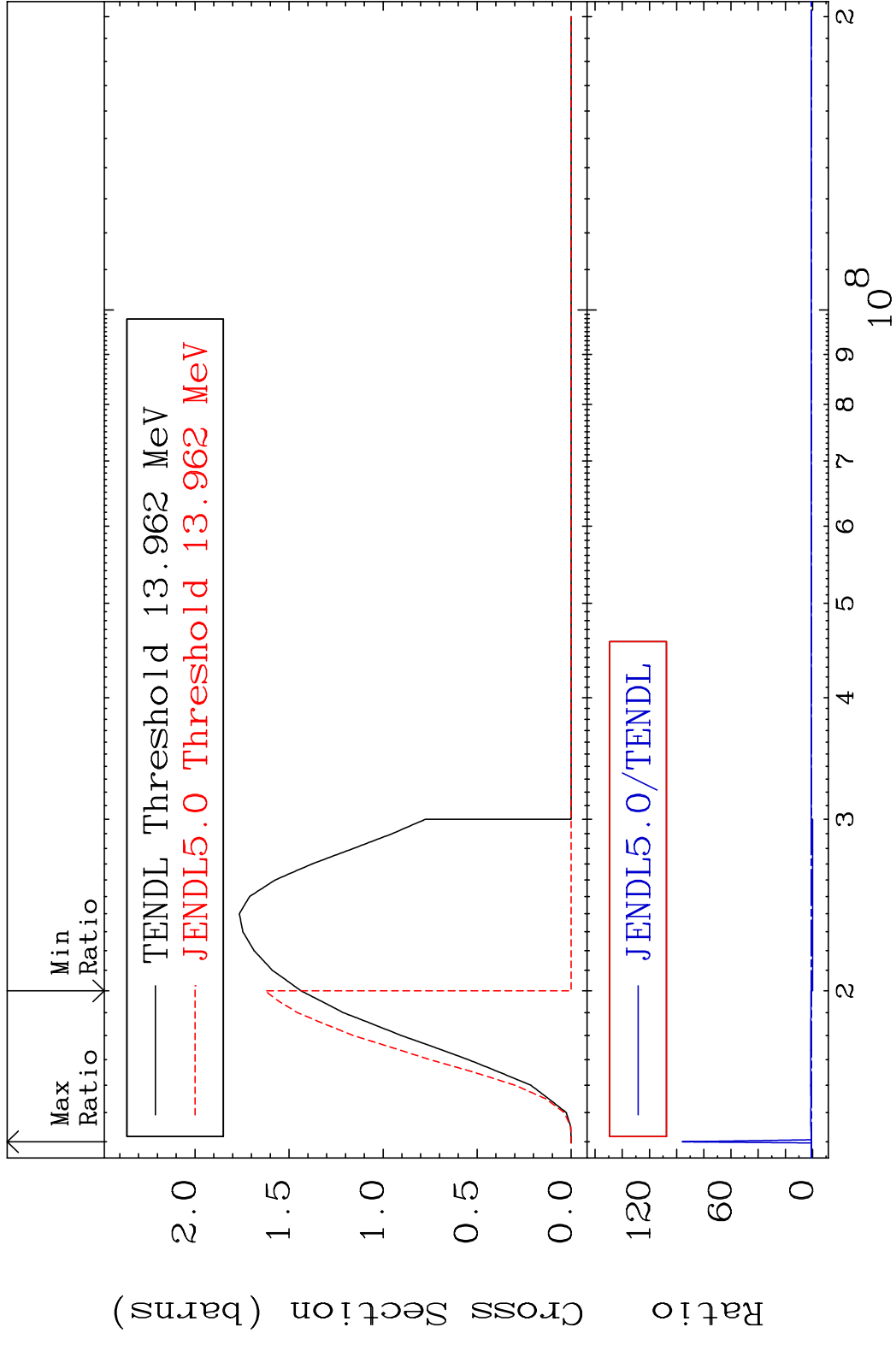
77-Ir-193m

MAT 7732

(n,3n)

77-Ir-193m

Cross Section -100.0 To 9480. %

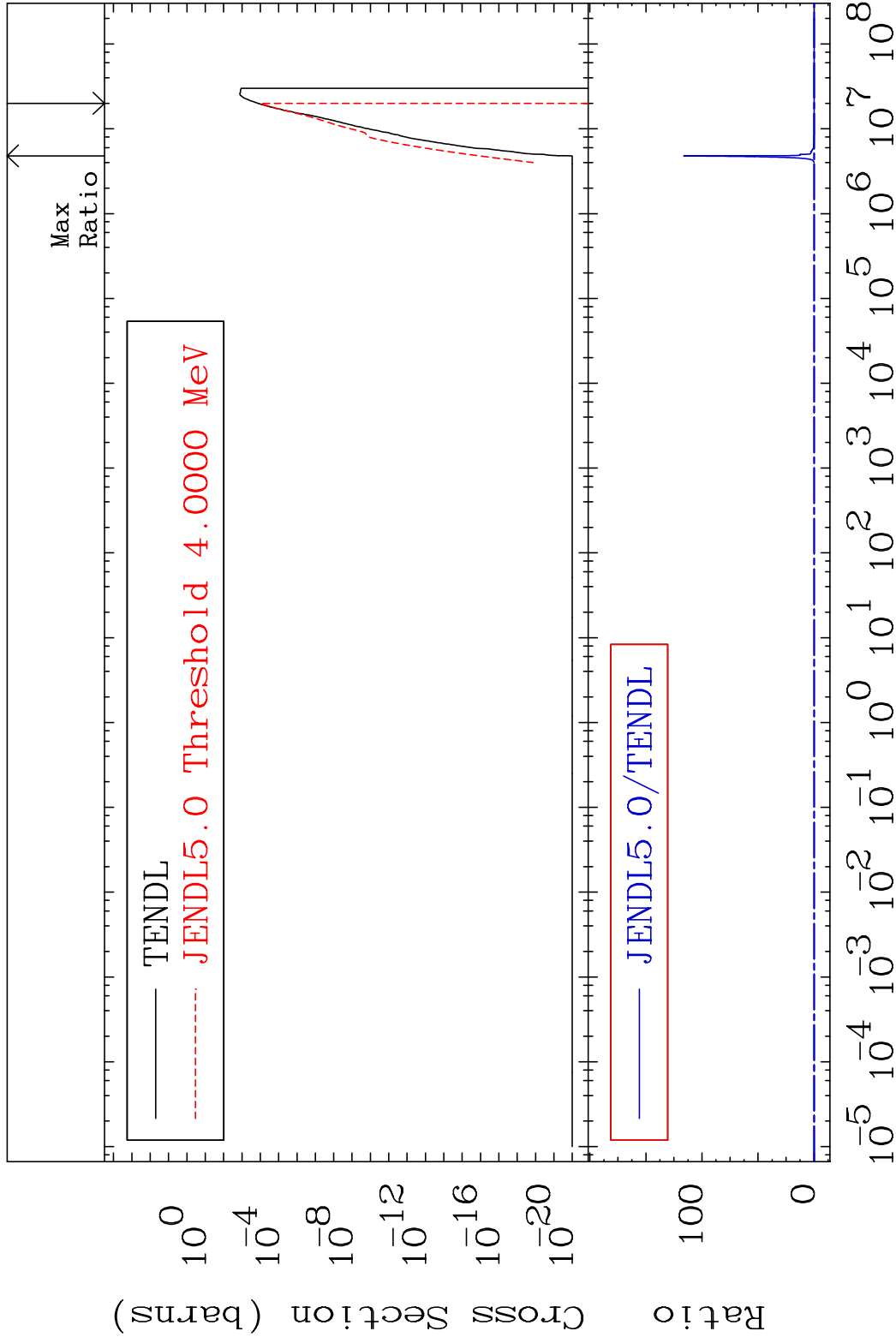


MAT 7732

(n, n') α

77-Ir-193m

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

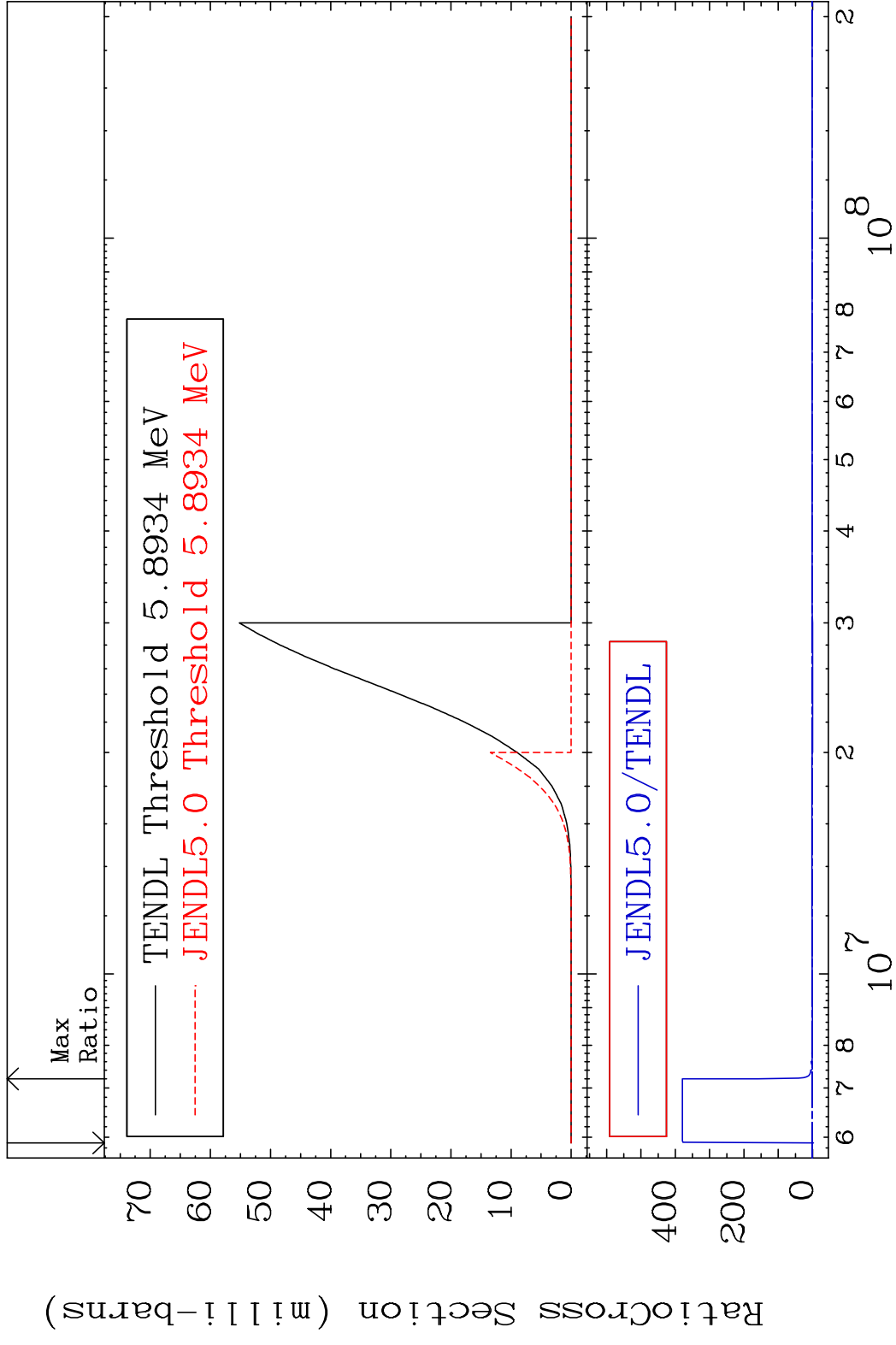
77-Ir-193m

MAT 7732

(n, n') p

77-Ir-193m

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

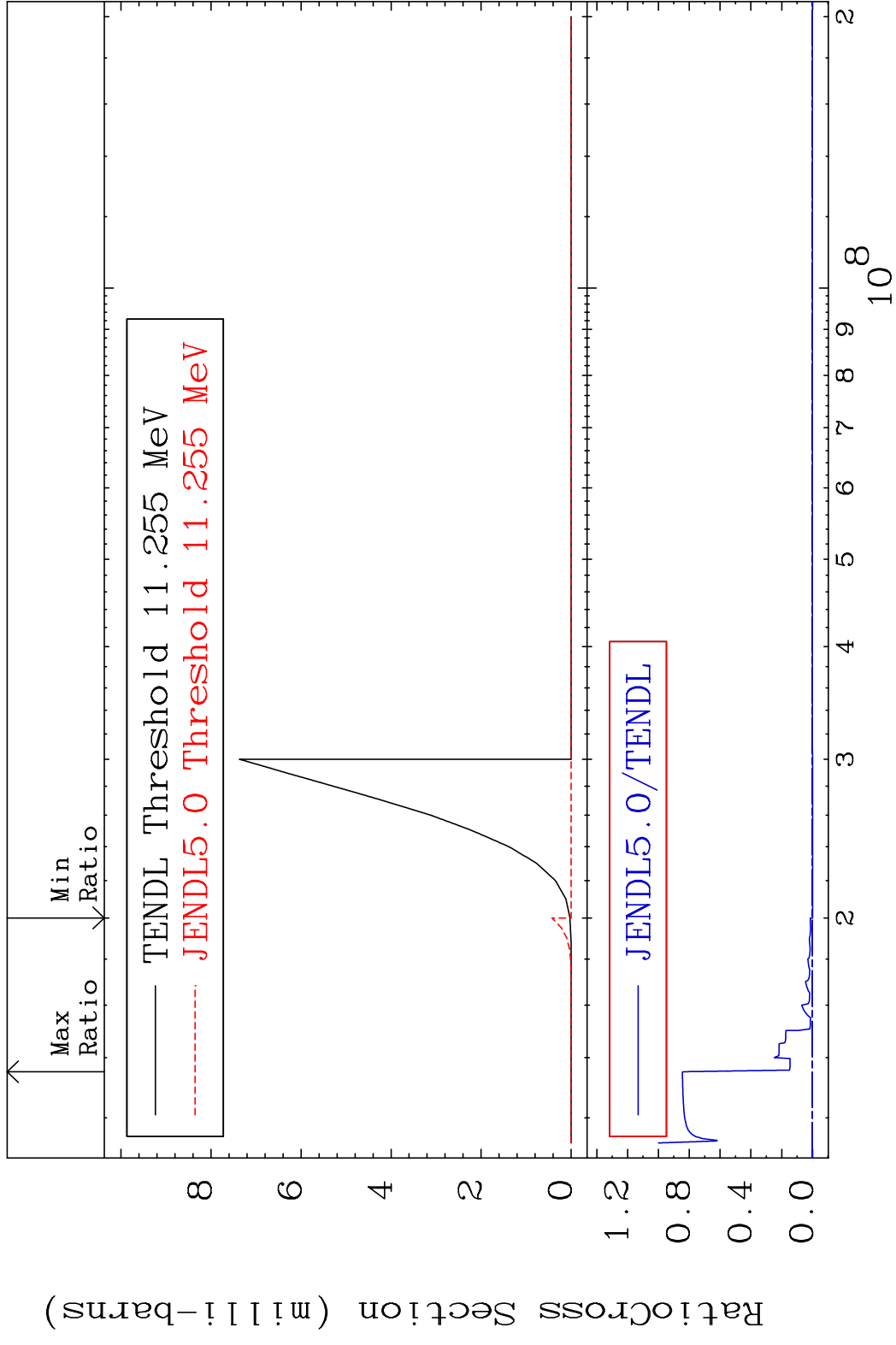
77-Ir-193m

MAT 7732

(n, n') d

77-Ir-193m

Cross Section -100.0 To 9999. %

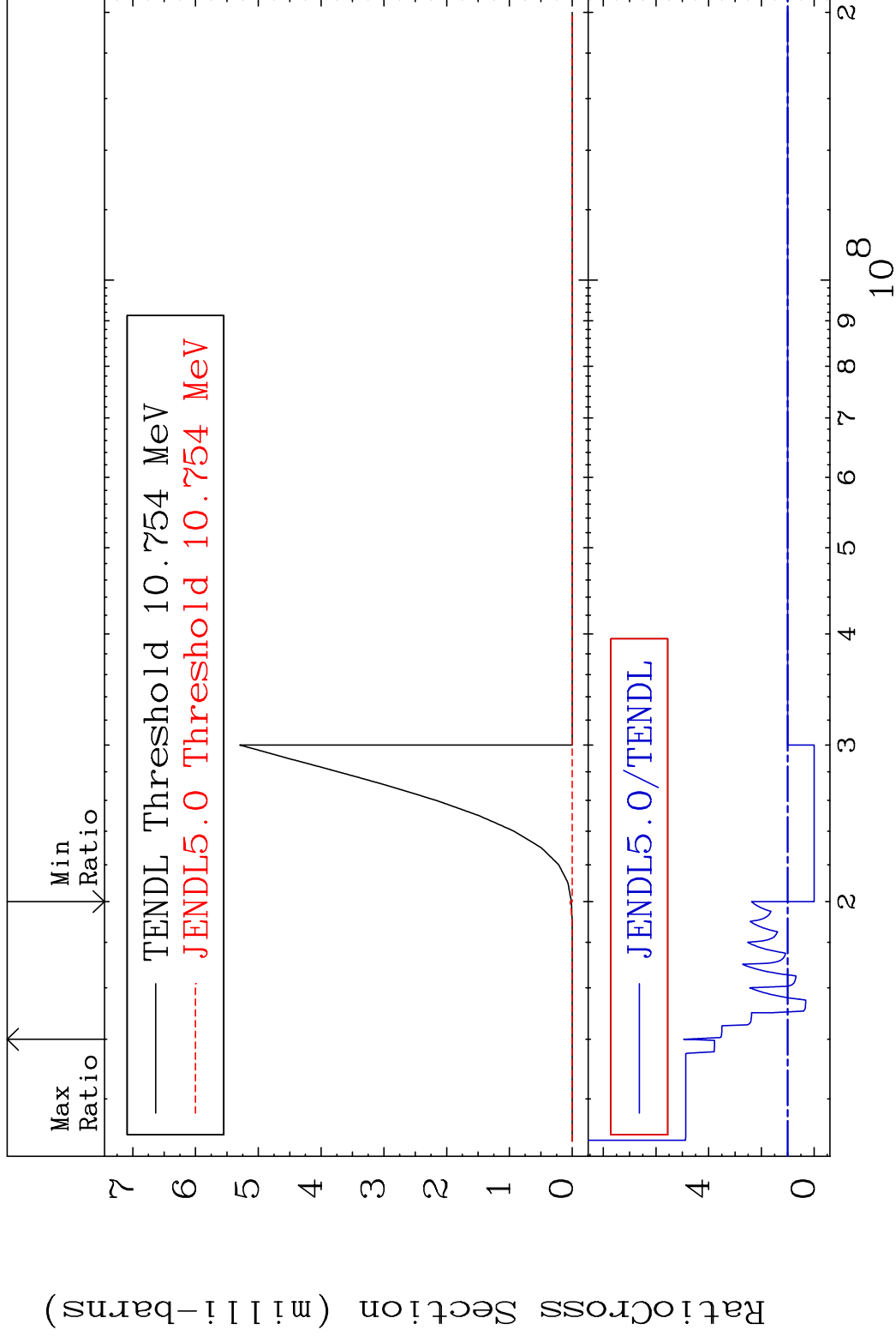


MAT 7732

(n, n') t

77-Ir-193m

Cross Section -100.0 To 394.9 %



10

Incident Energy (eV)

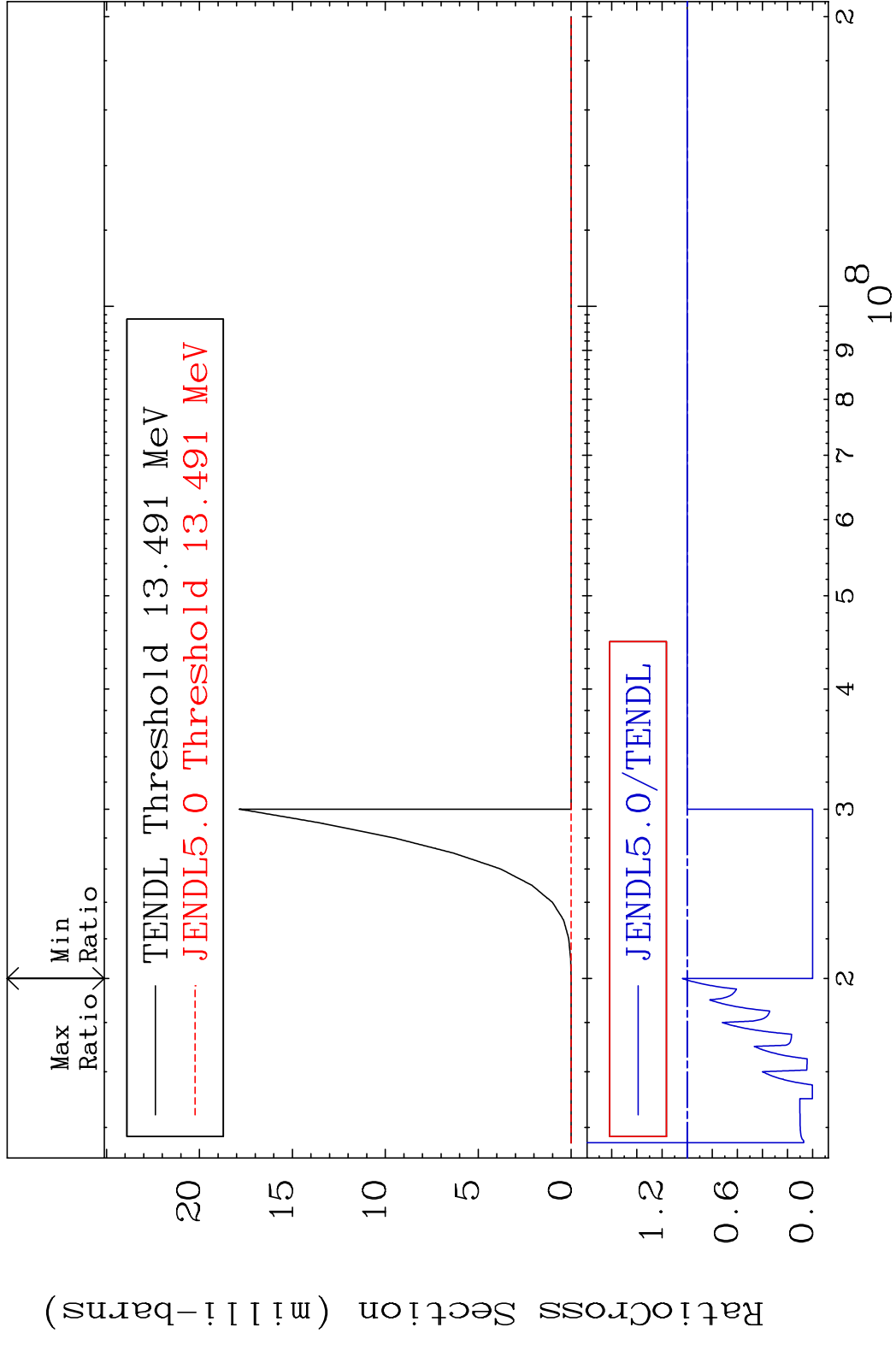
77-Ir-193m

MAT 7732

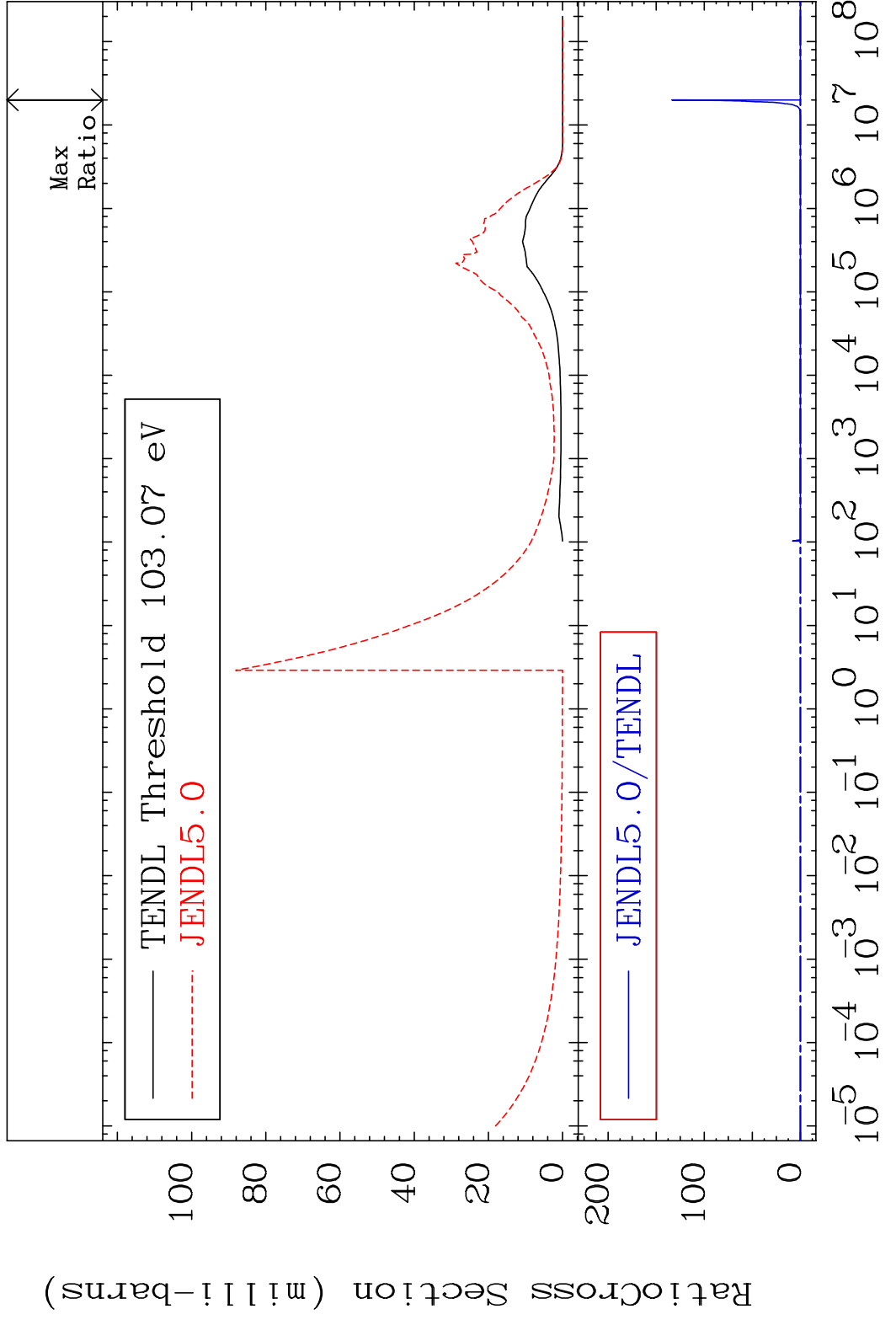
(n,2n) p

77-Ir-193m

Cross Section -100.0 To 3.767 %

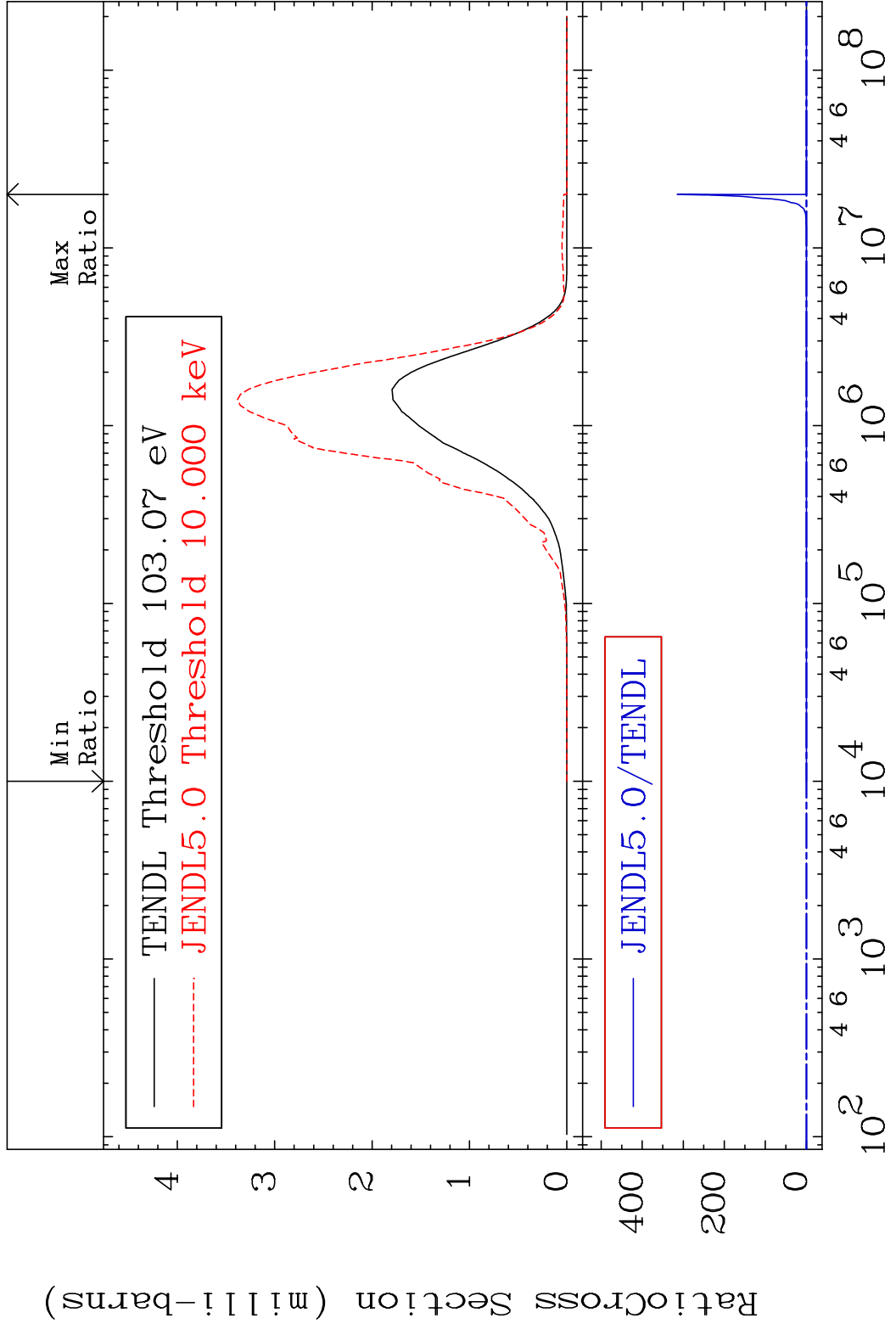


MAT 7732 MT= 51 (n,n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %



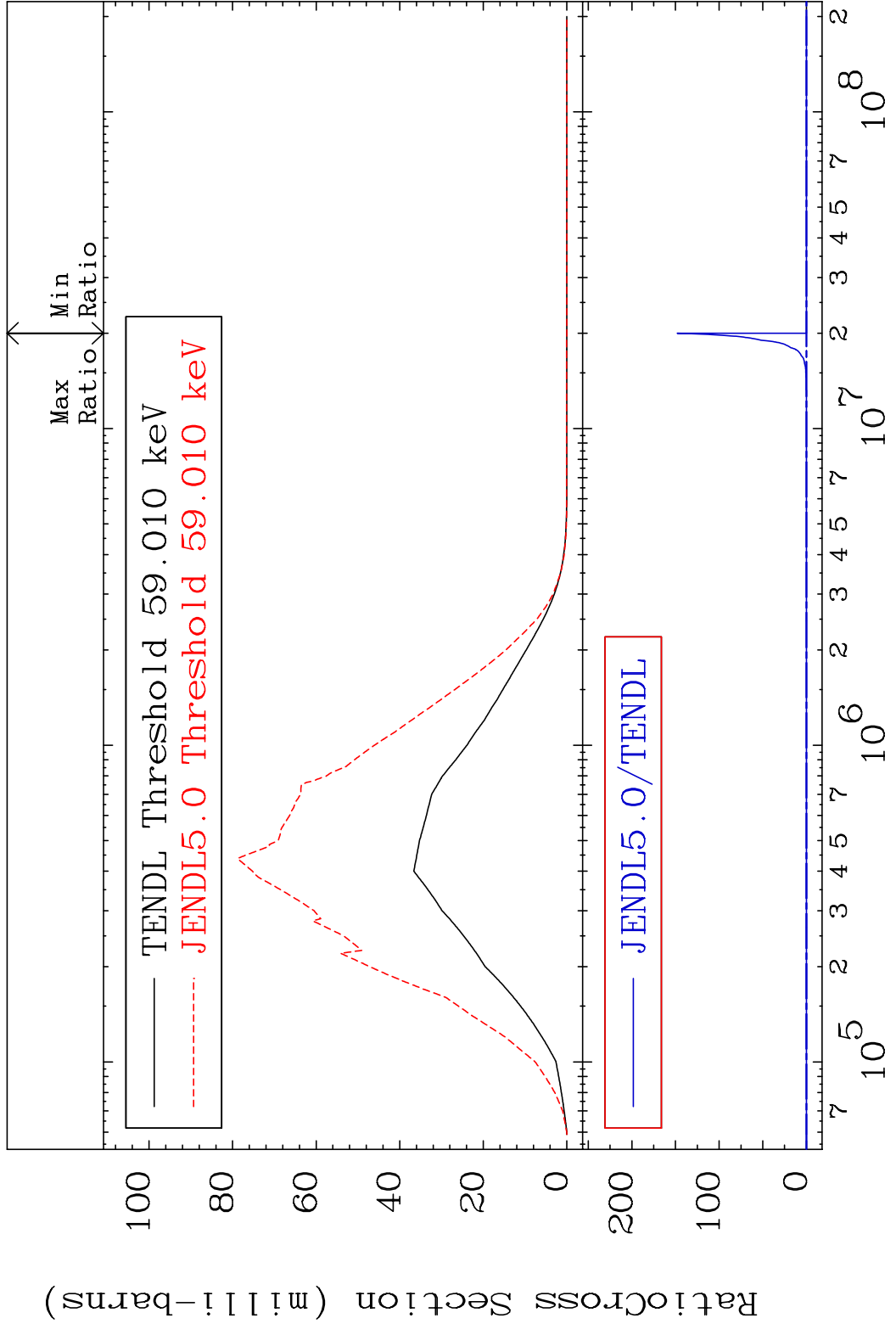
12 Incident Energy (eV) 77-Ir-193m

MAT 7732 MT= 52 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %



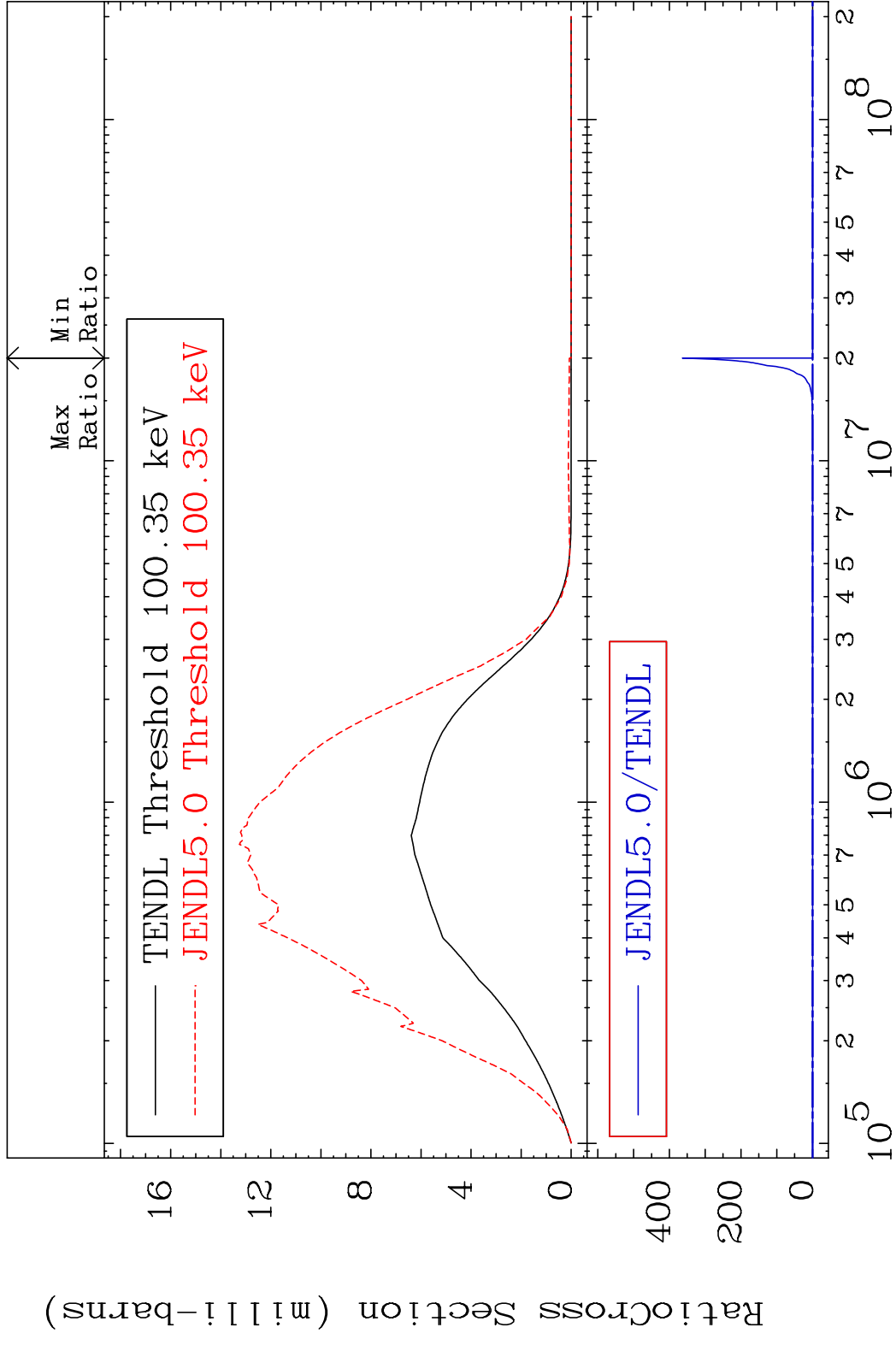
13 Incident Energy (eV) 77-Ir-193m

MAT 7732 MT= 53 (n,n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %



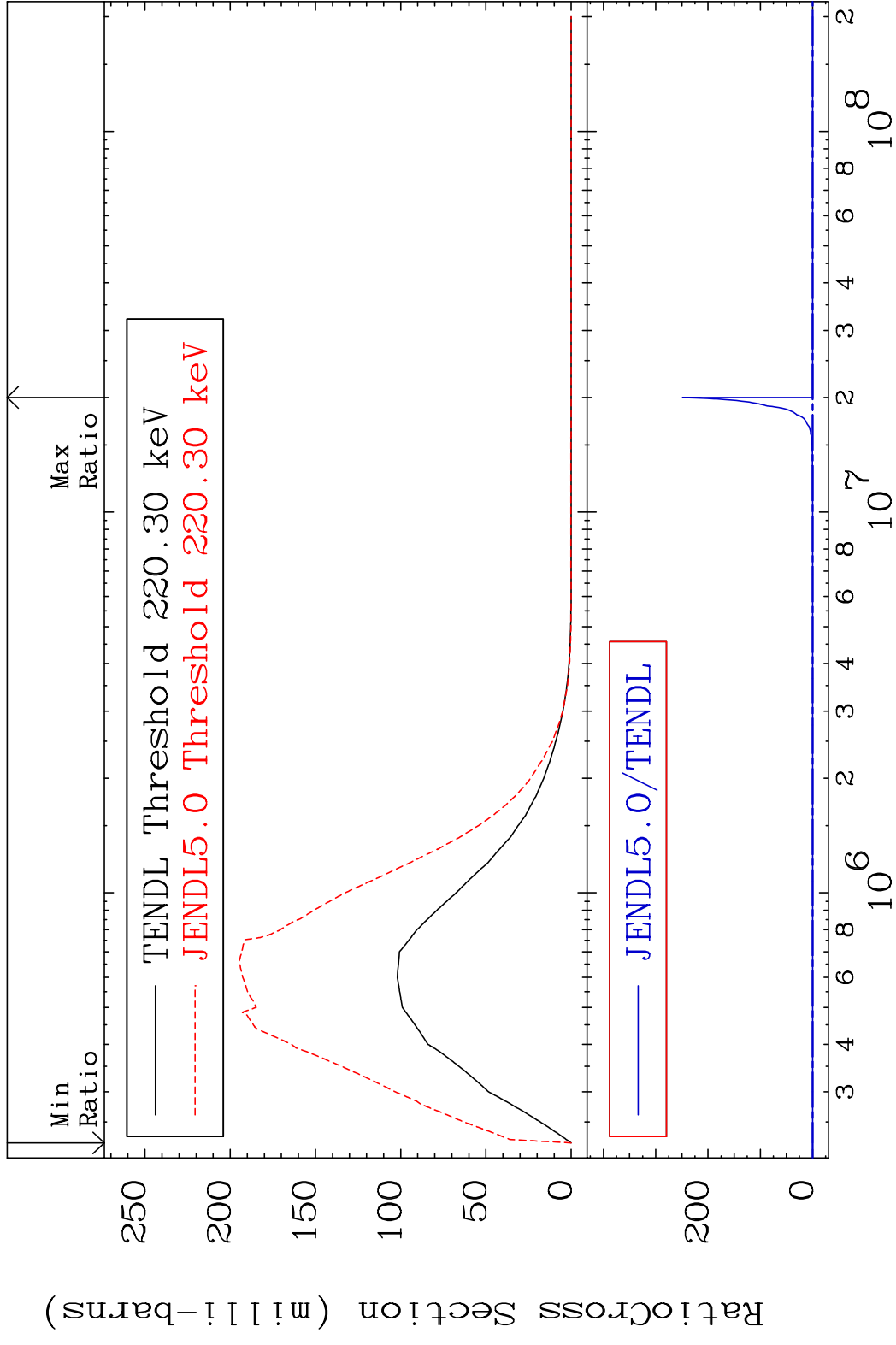
14 Incident Energy (eV) 77-Ir-193m

MAT 7732 MT= 54 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %

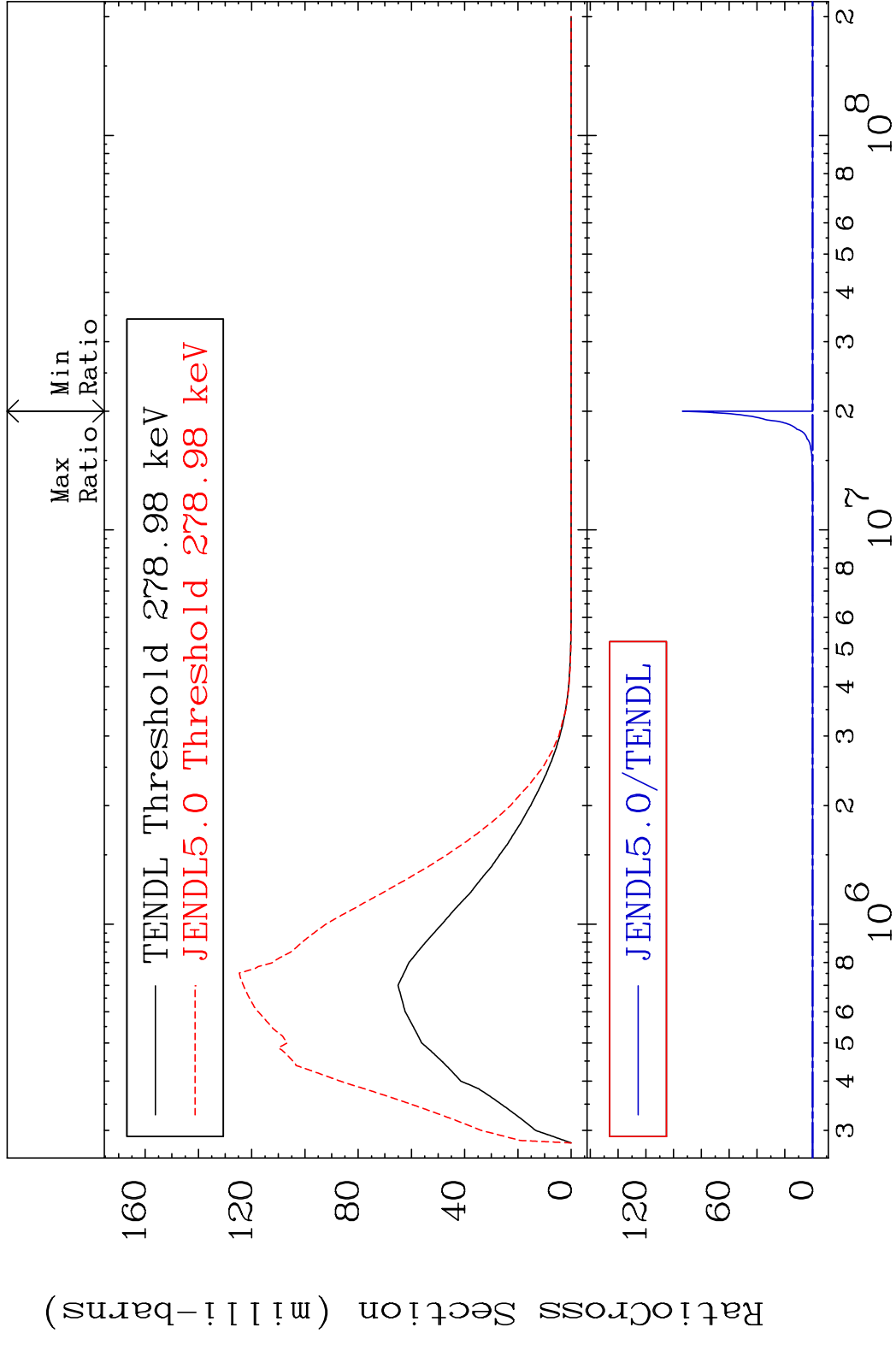


15 15 Incident Energy (eV) 77-Ir-193m

MAT 7732 MT= 55 (n,n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %

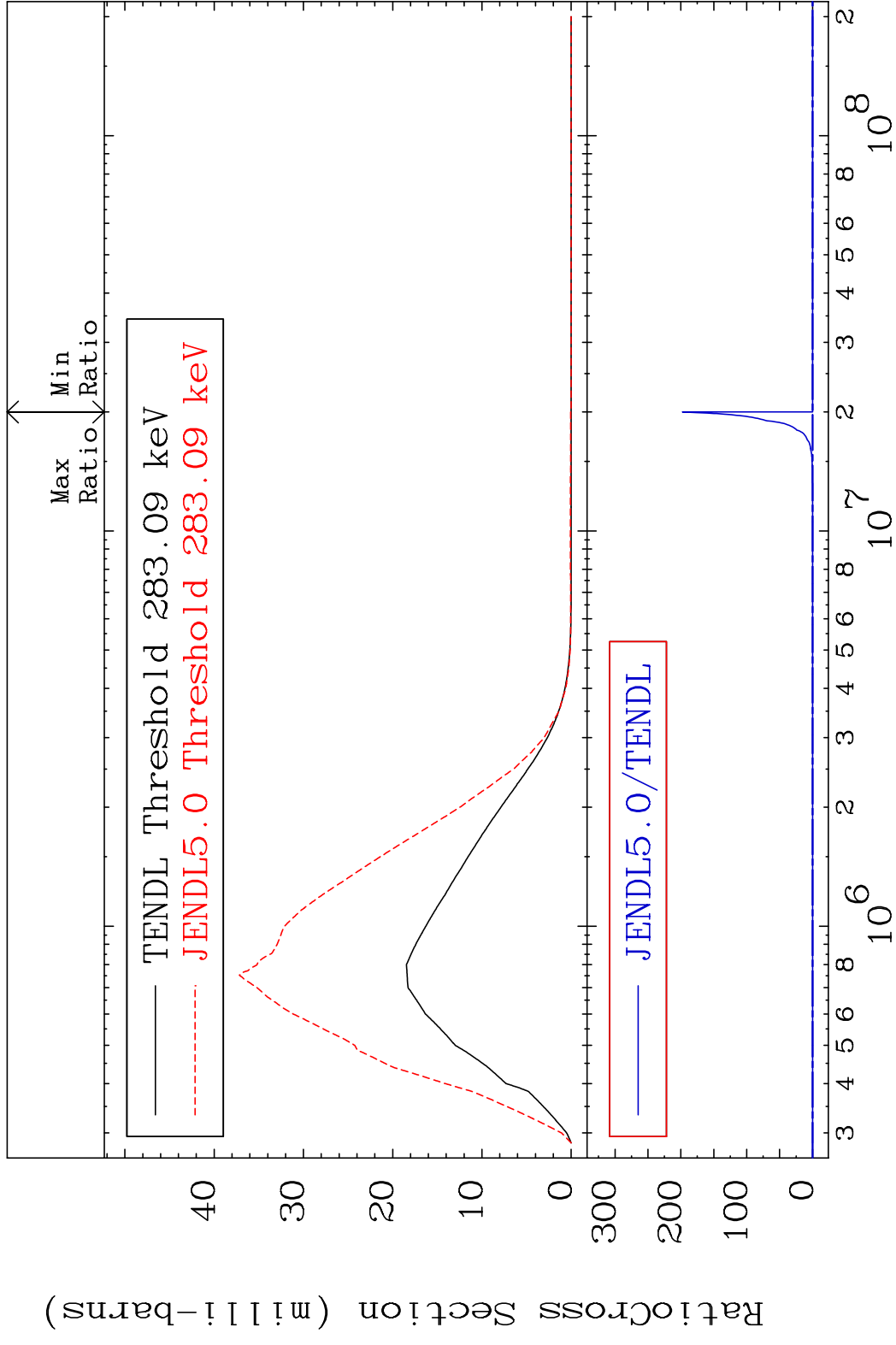


MAT 7732 MT= 56 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %

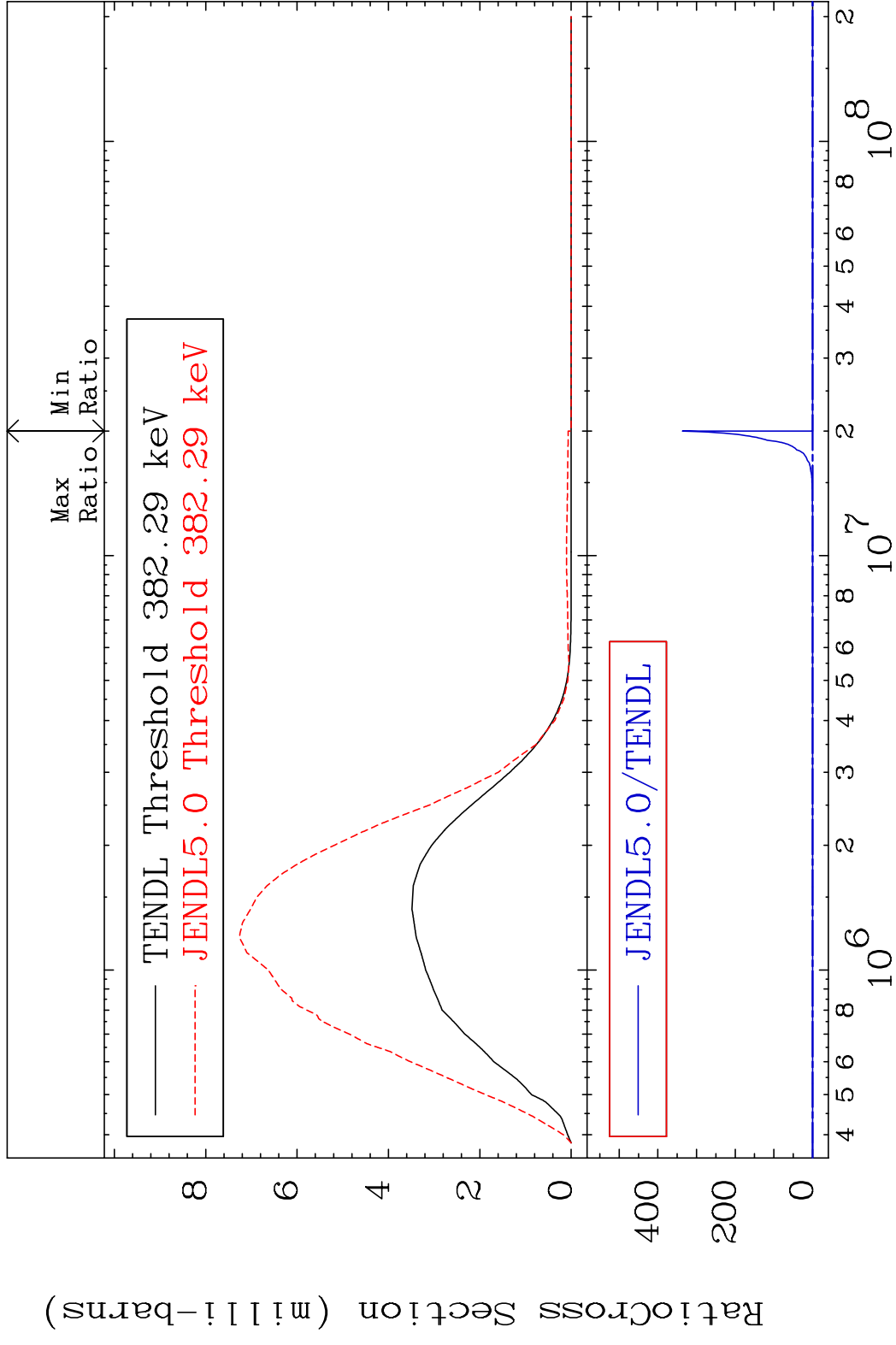


17 77-Ir-193m

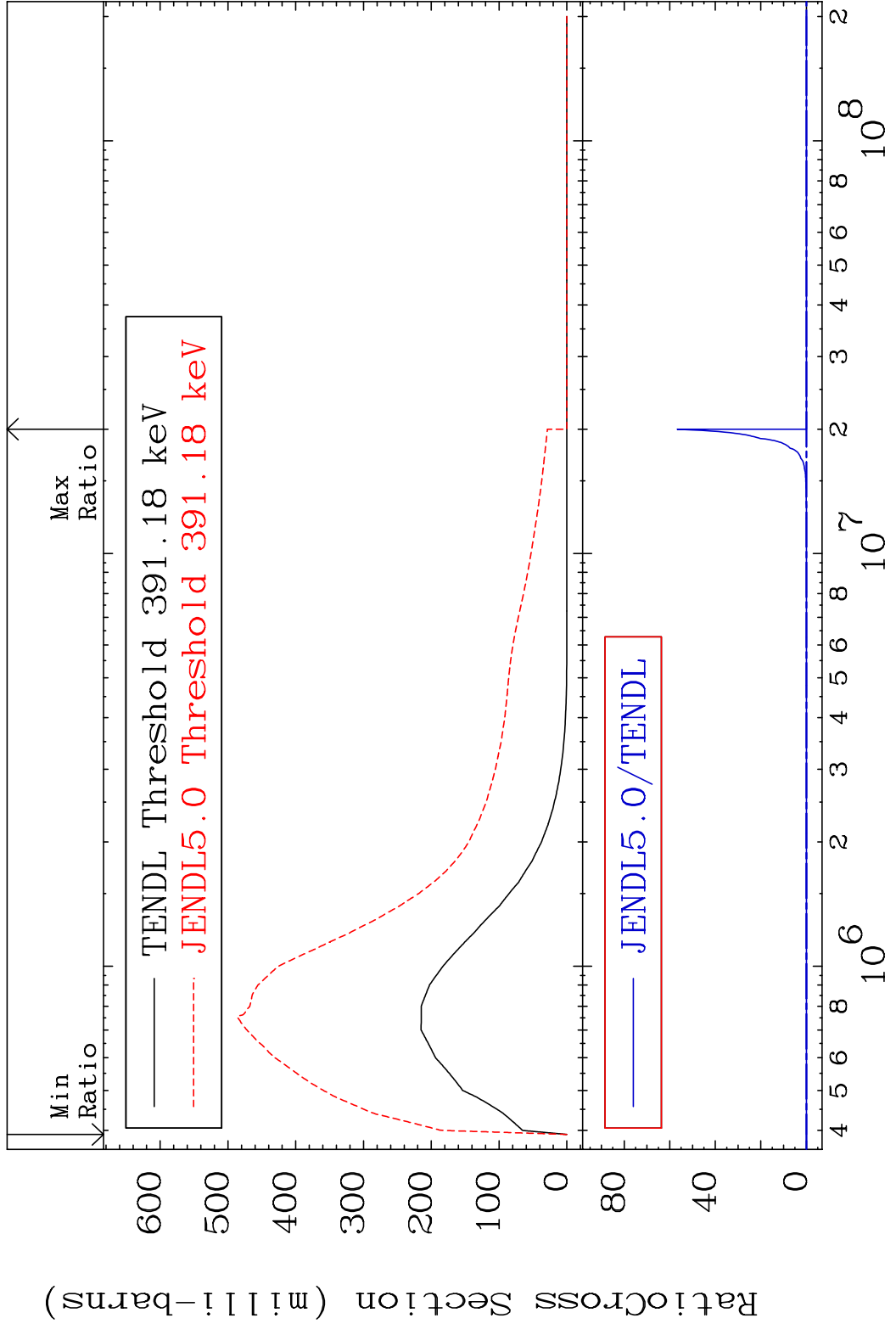
MAT 7732 MT= 57 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %



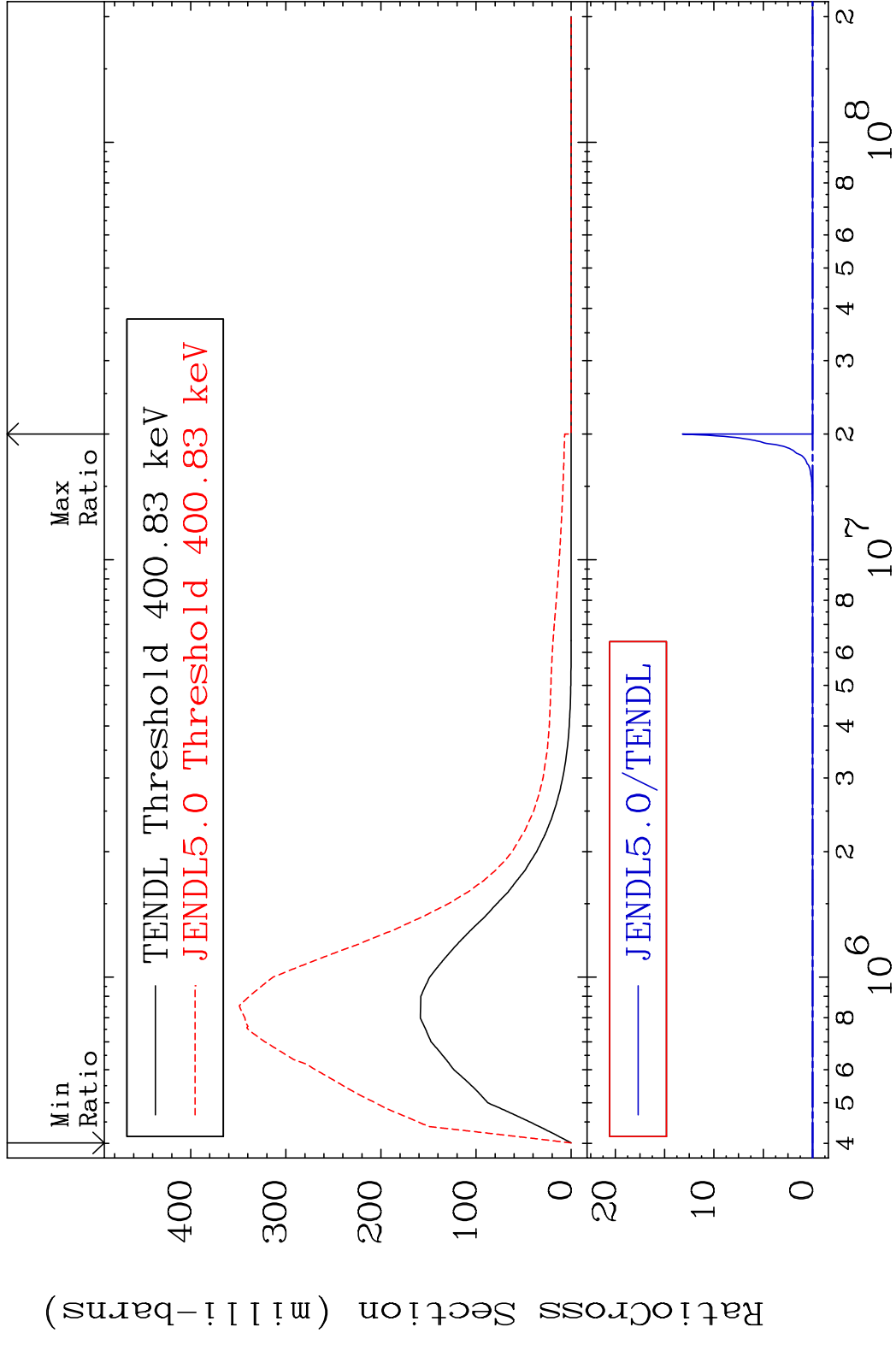
MAT 7732 MT= 58 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %



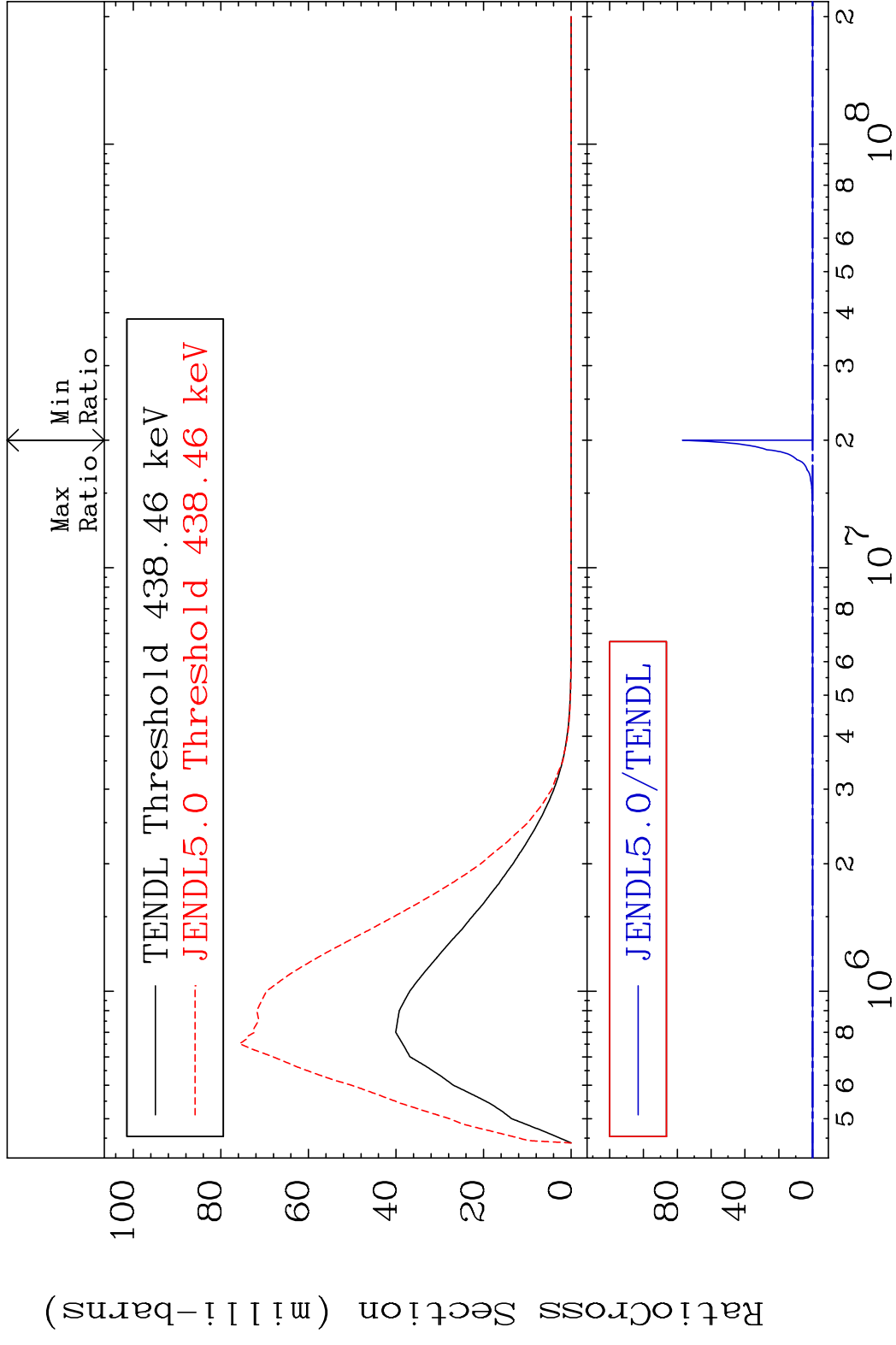
MAT 7732 MT= 59 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %



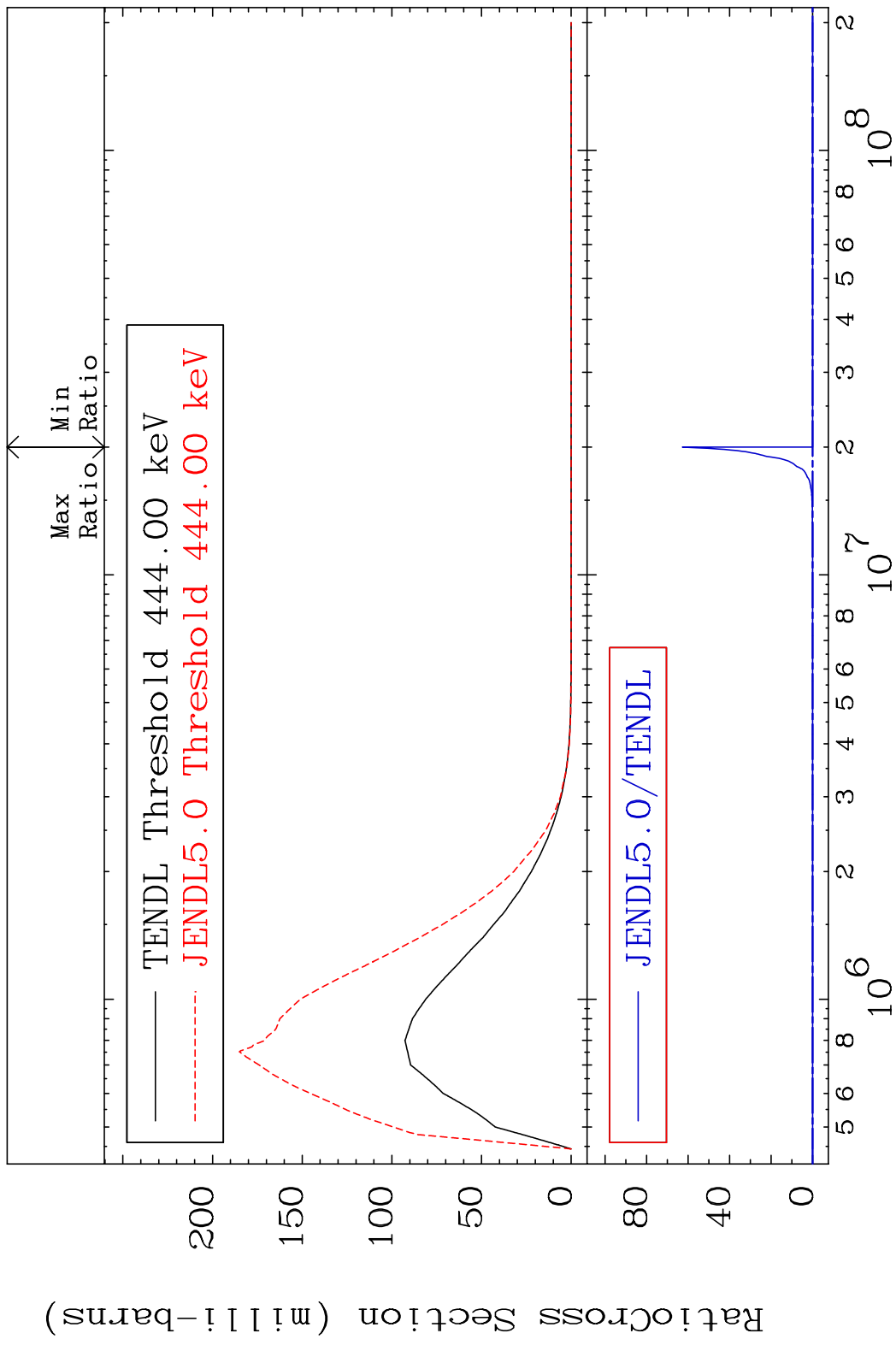
MAT 7732 MT= 60 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %



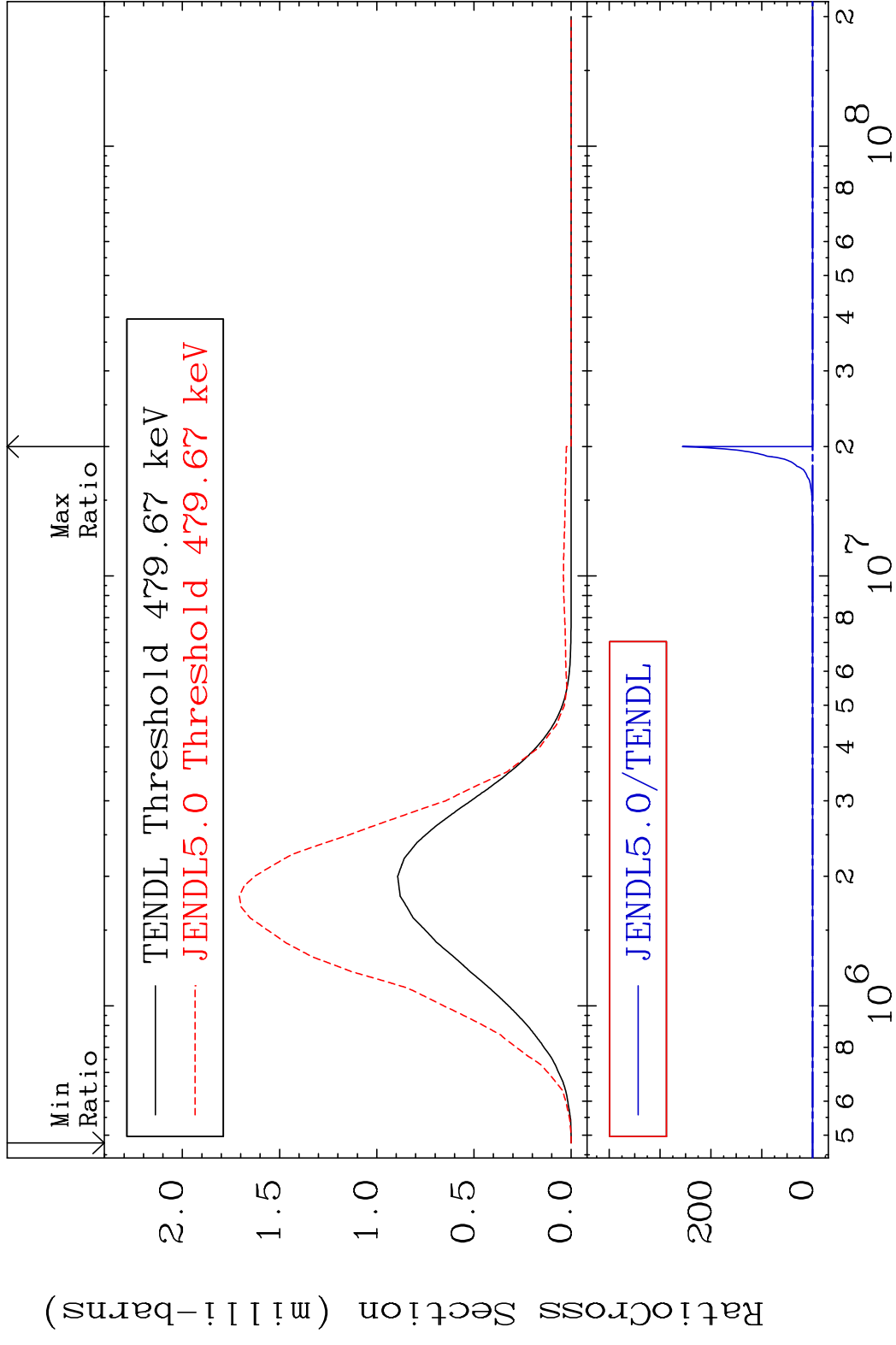
MAT 7732 MT= 61 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %



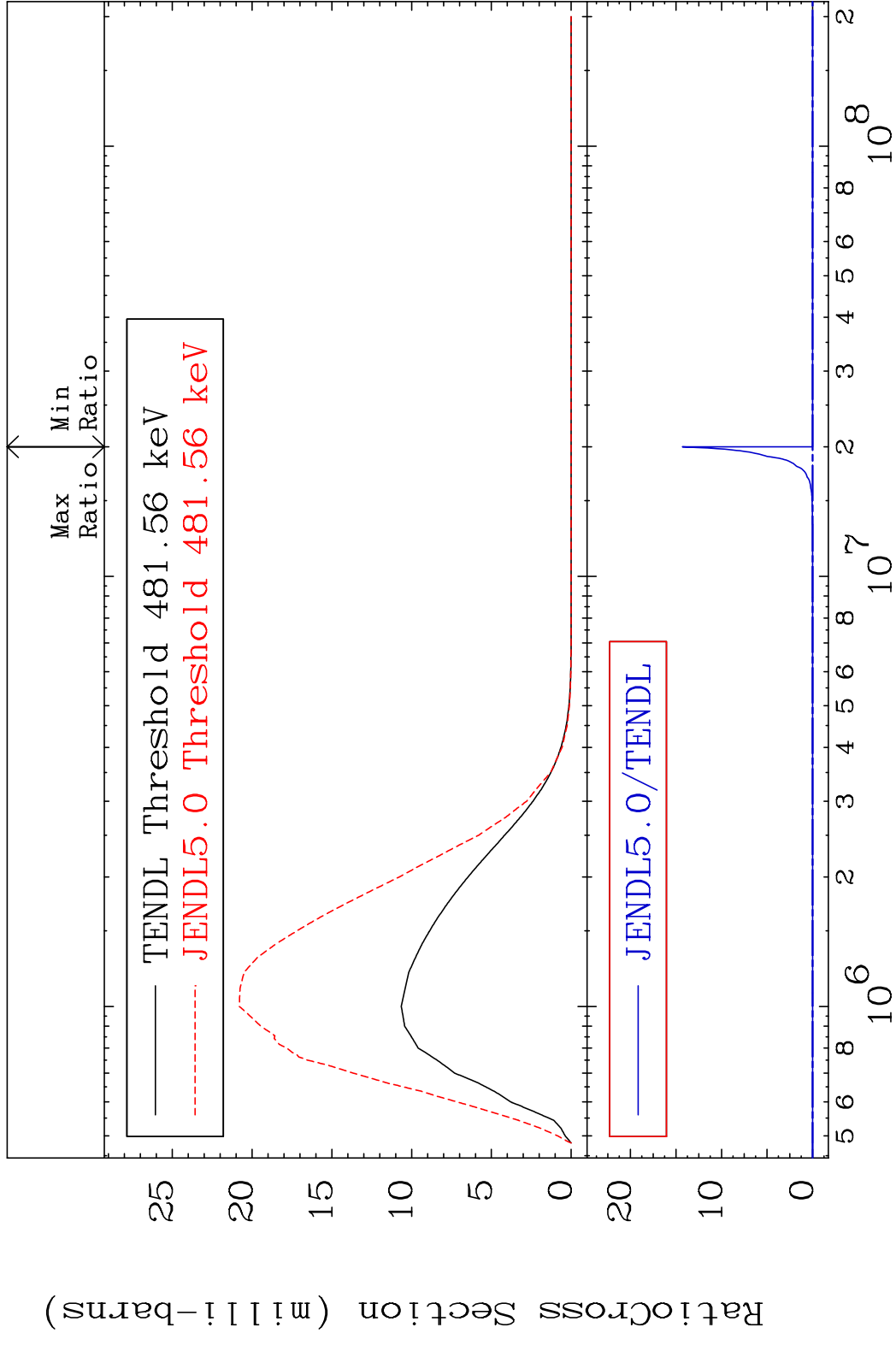
MAT 7732 MT= 62 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %



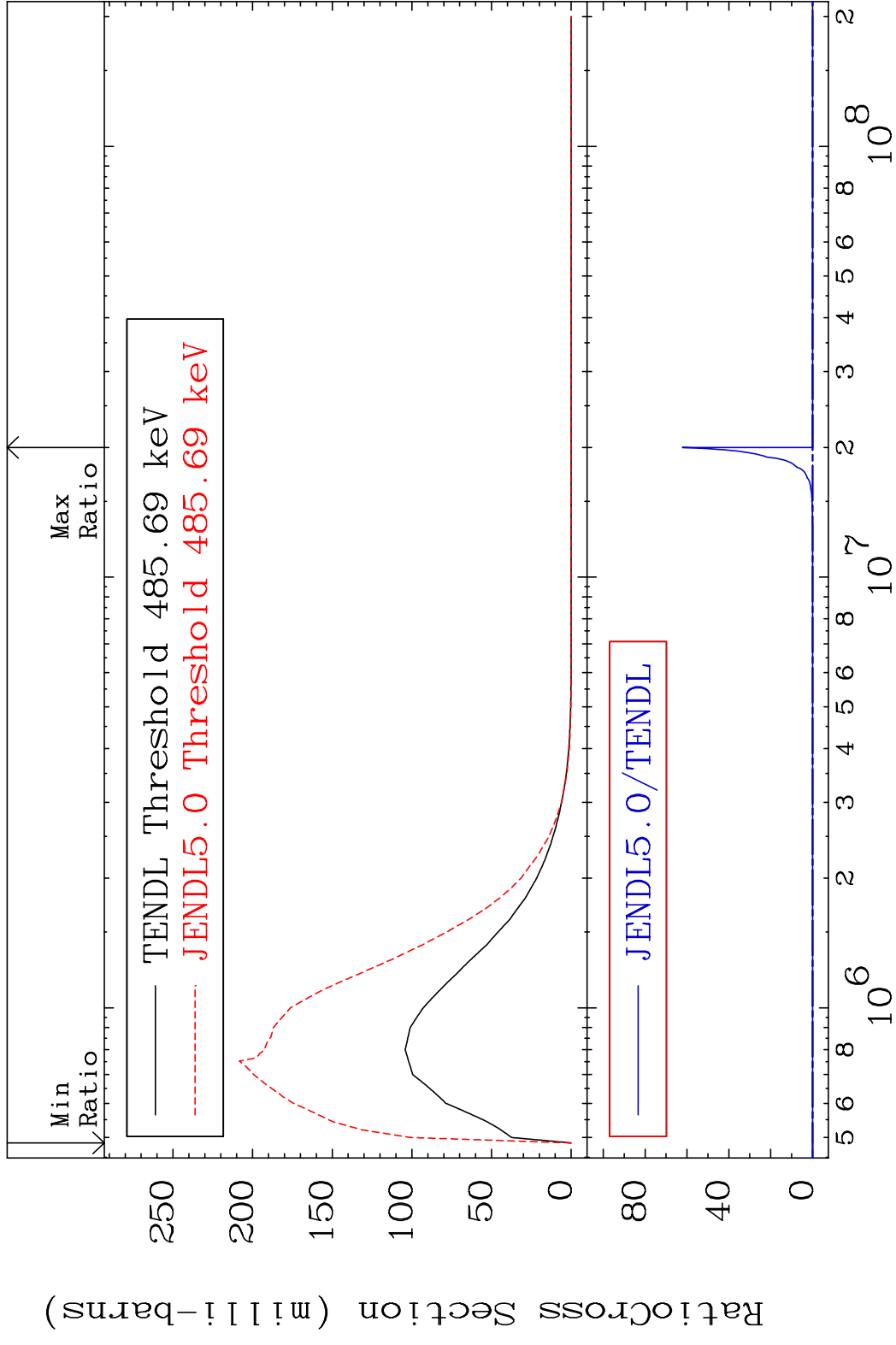
MAT 7732 MT= 63 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %



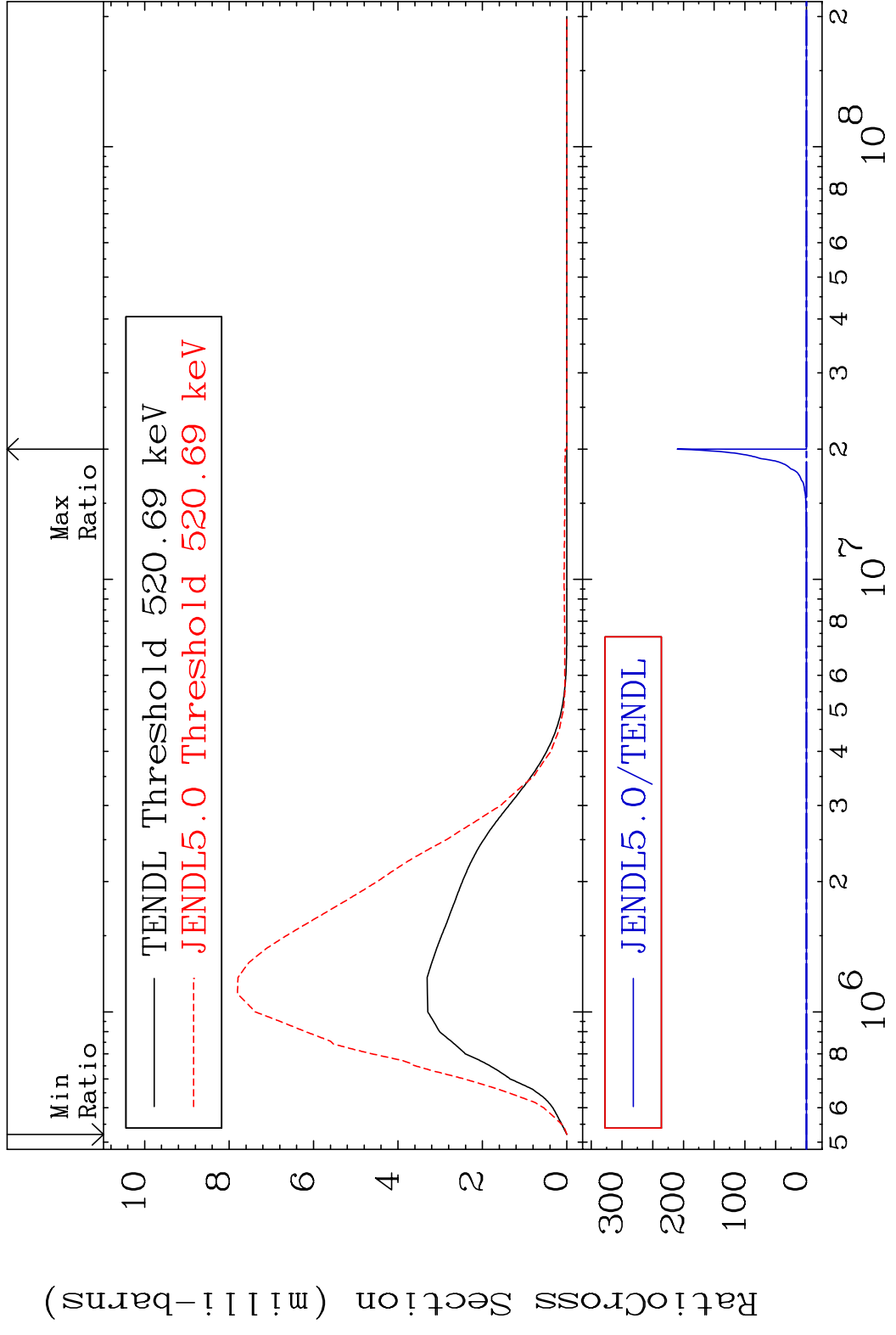
MAT 7732 MT= 64 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %



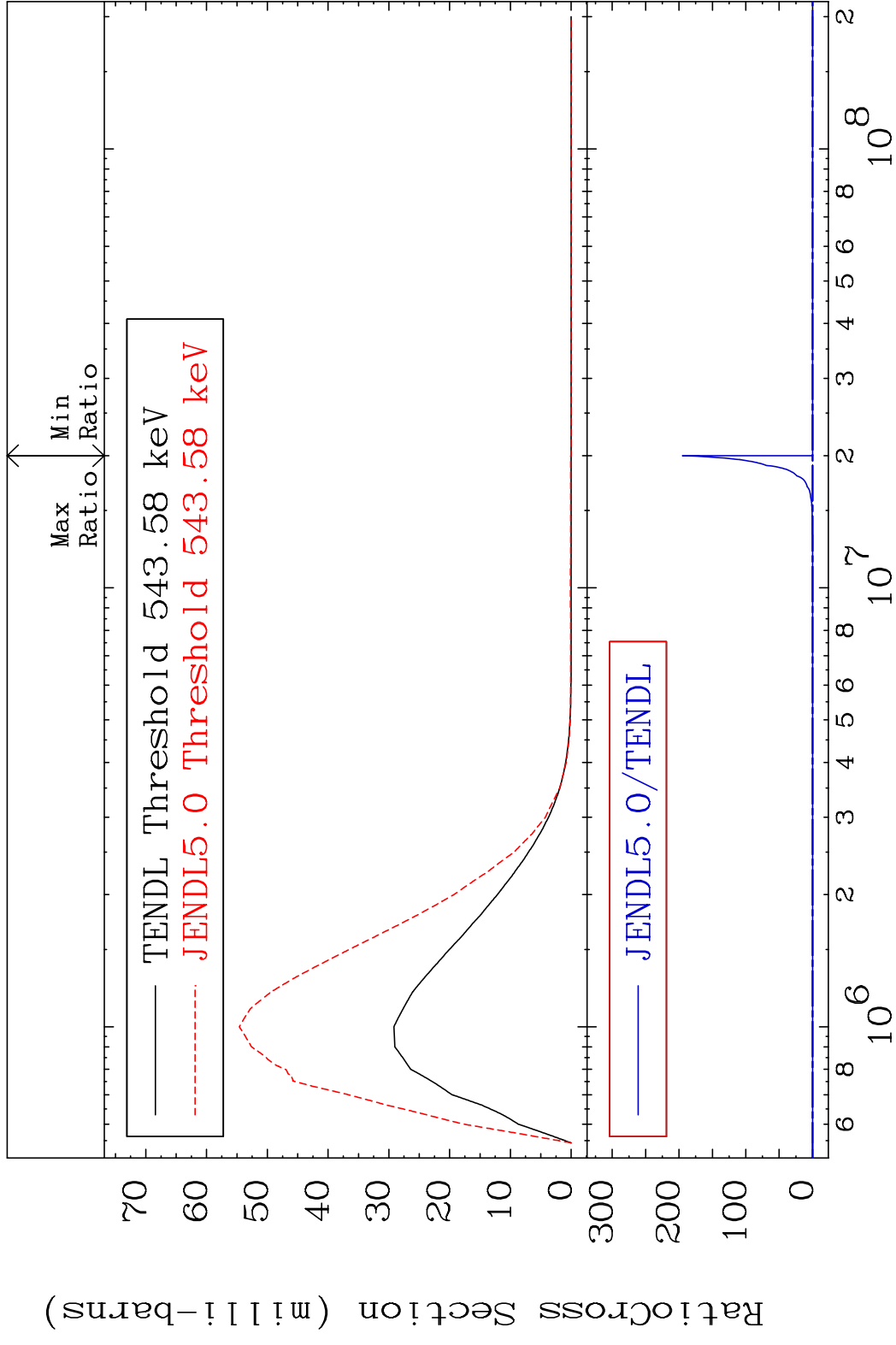
MAT 7732 MT= 65 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %



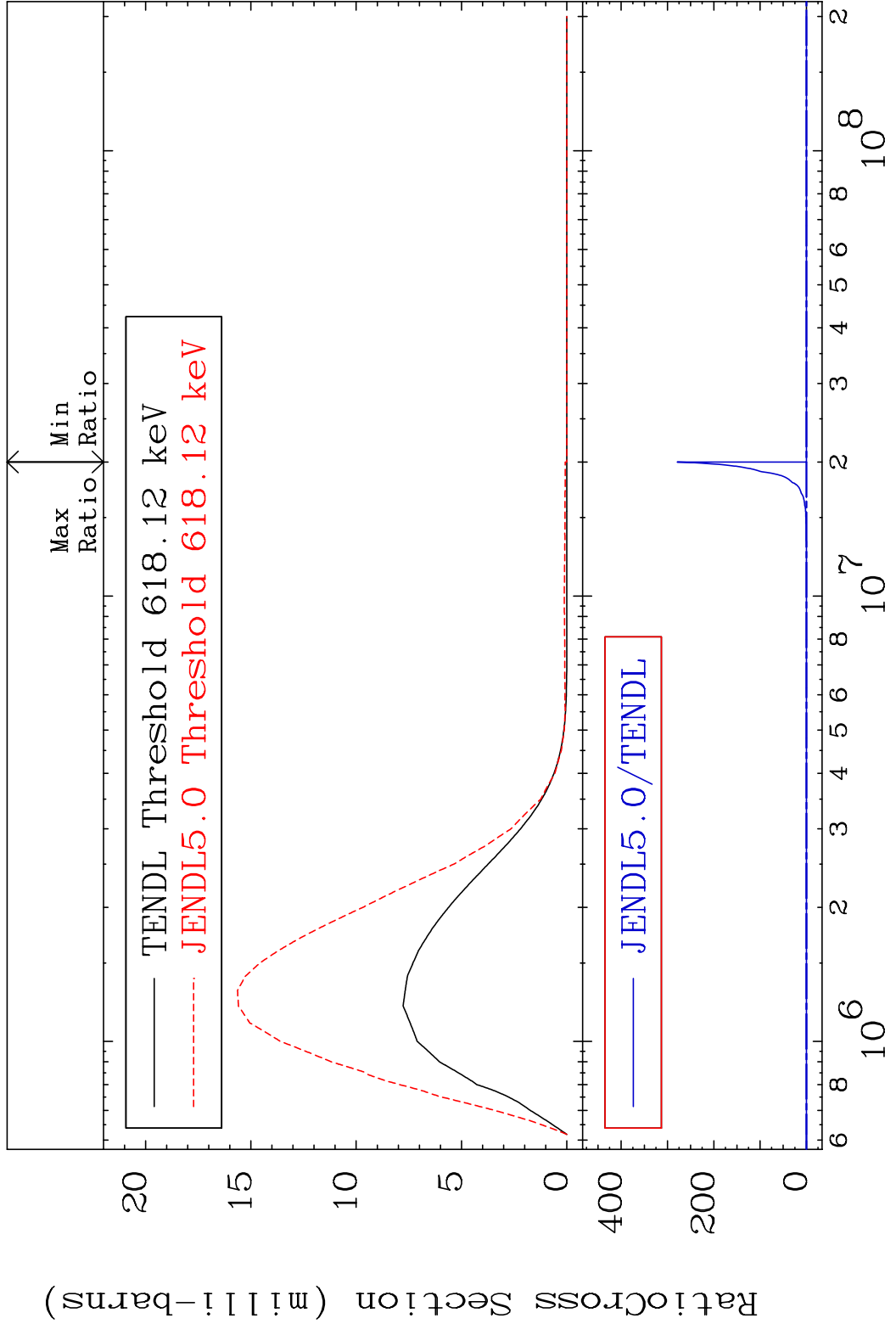
MAT 7732 MT= 66 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %



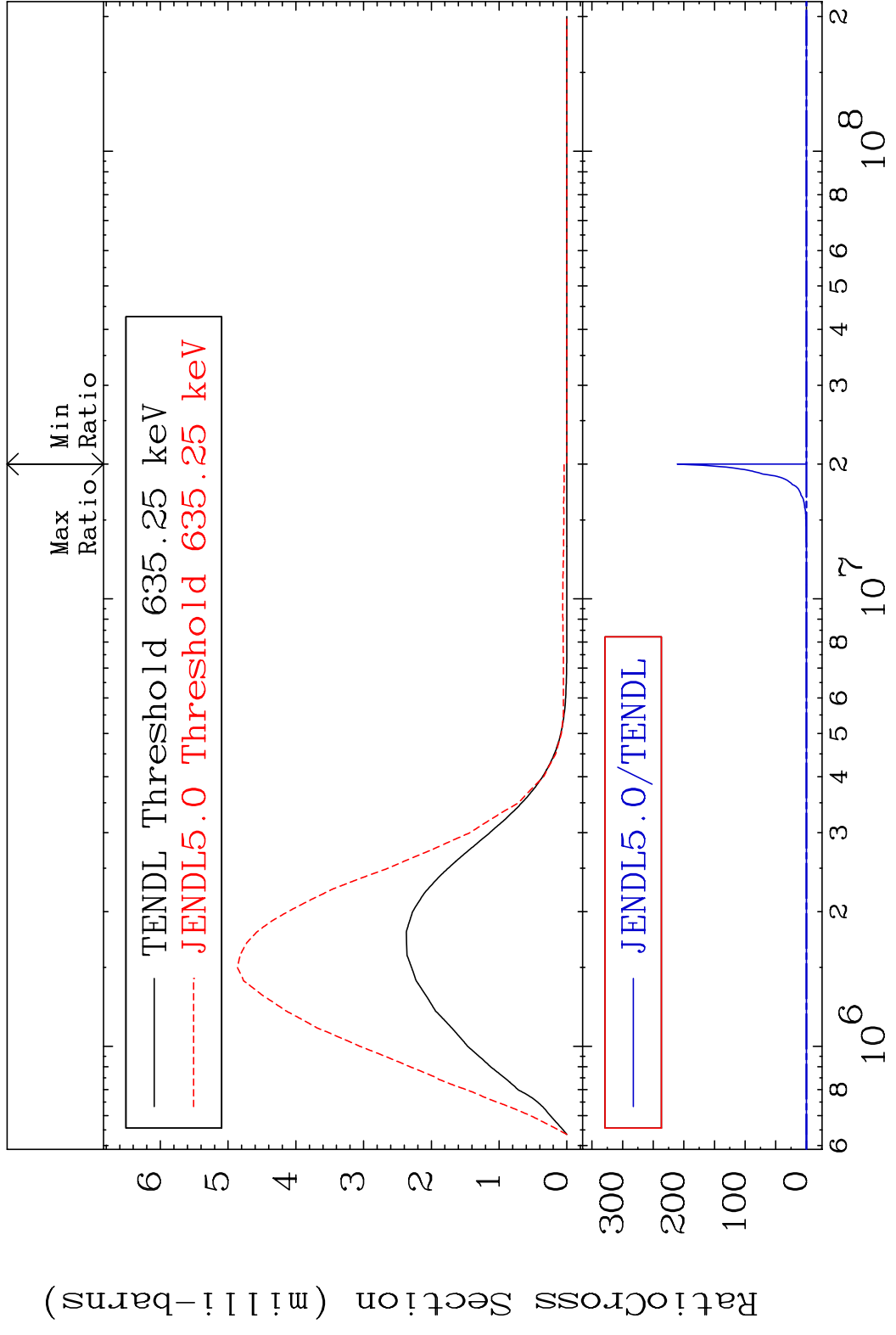
MAT 7732 MT= 67 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %



MAT 7732 MT= 68 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %

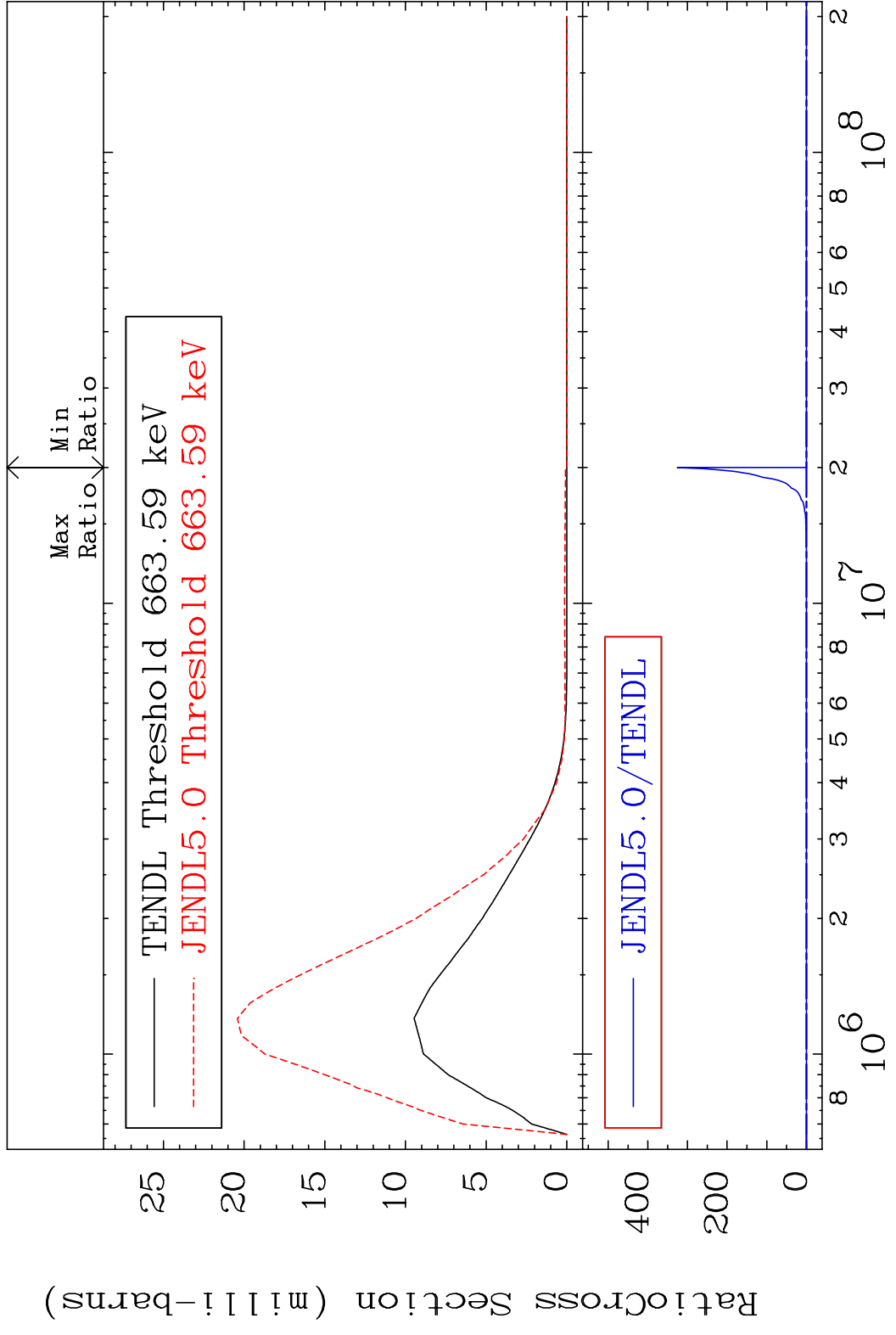


MAT 7732 MT= 69 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %

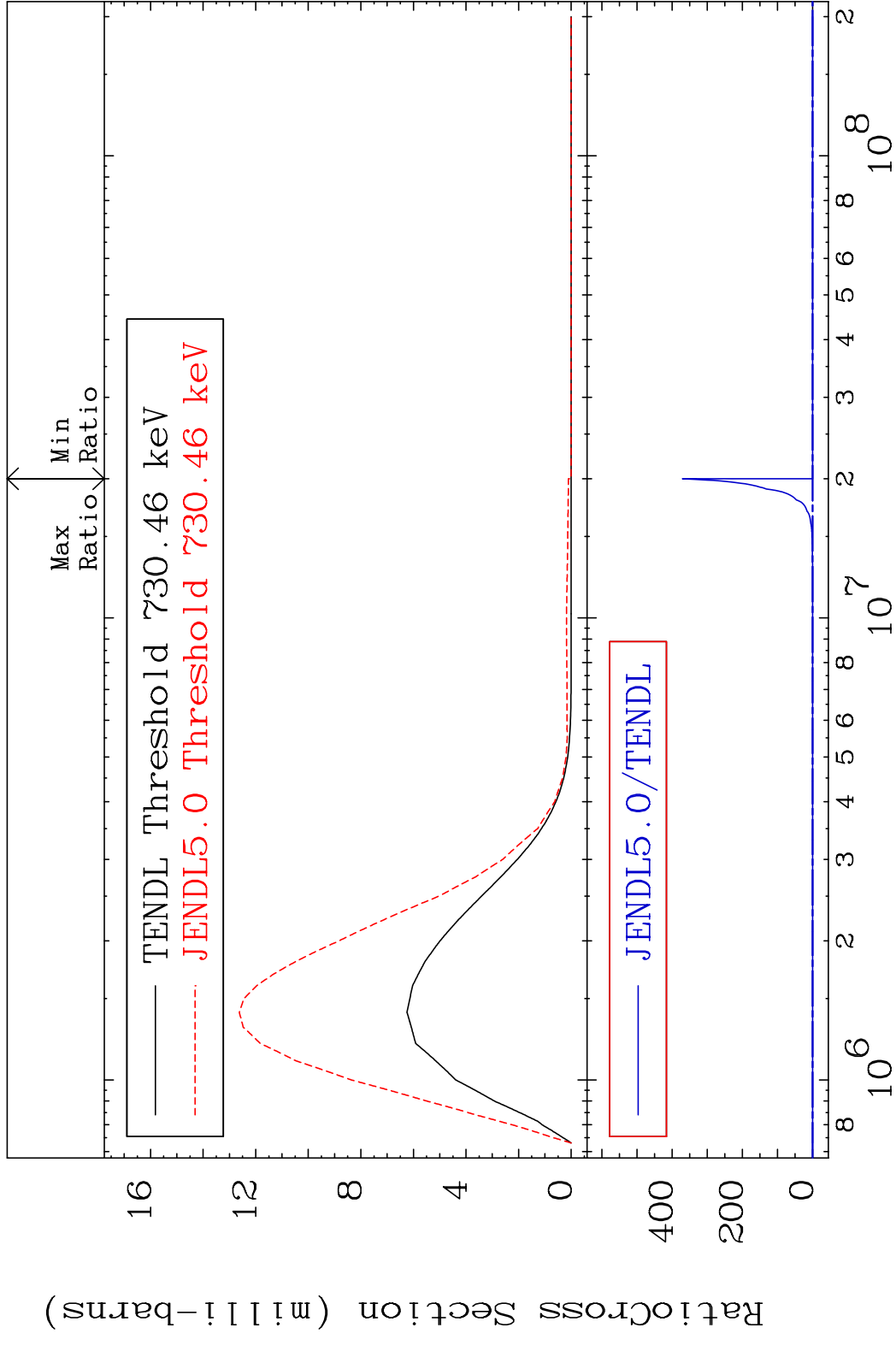


30 Incident Energy (eV) 77-Ir-193m

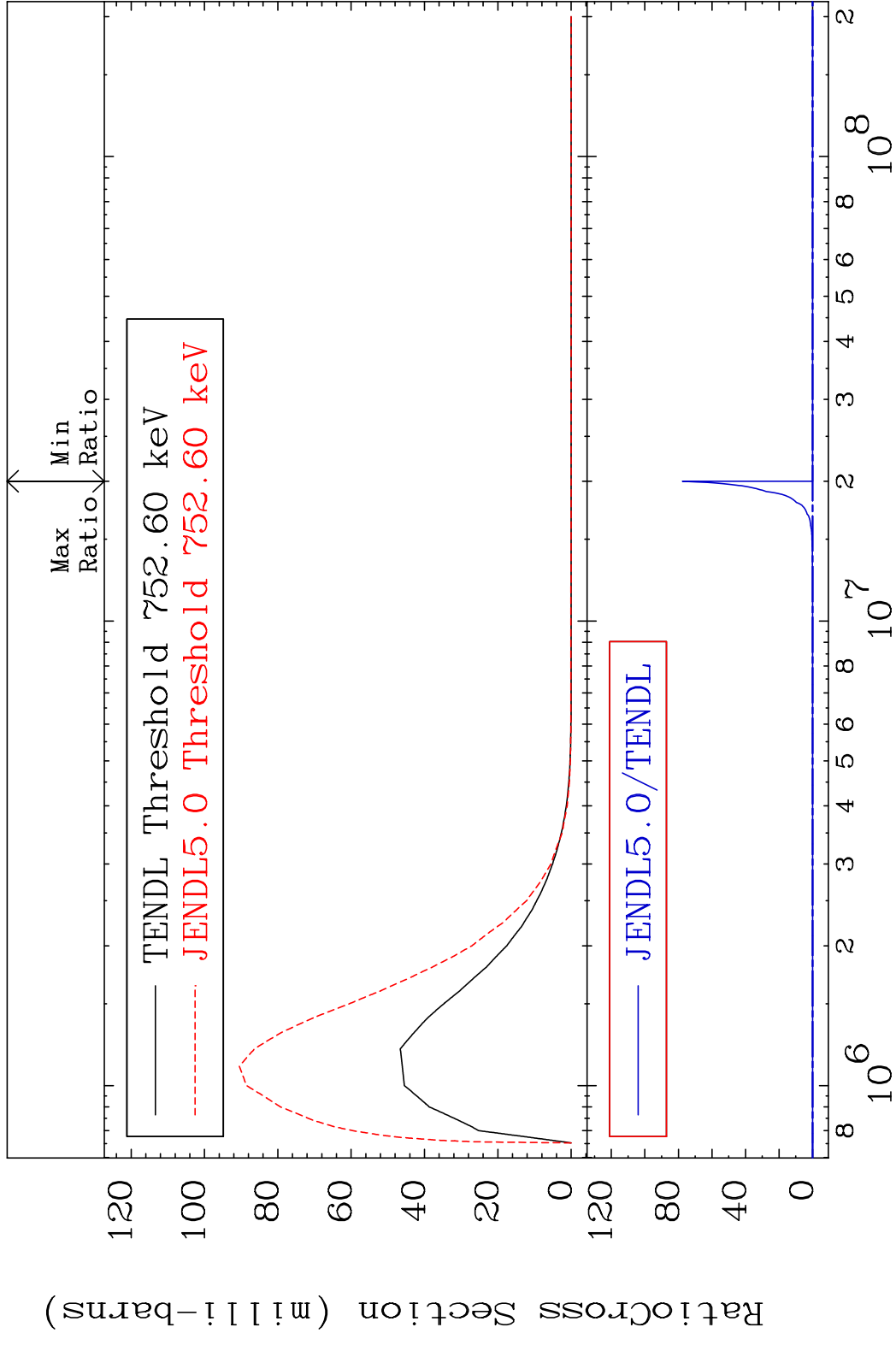
MAT 7732 MT= 70 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %



MAT 7732 MT= 71 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %

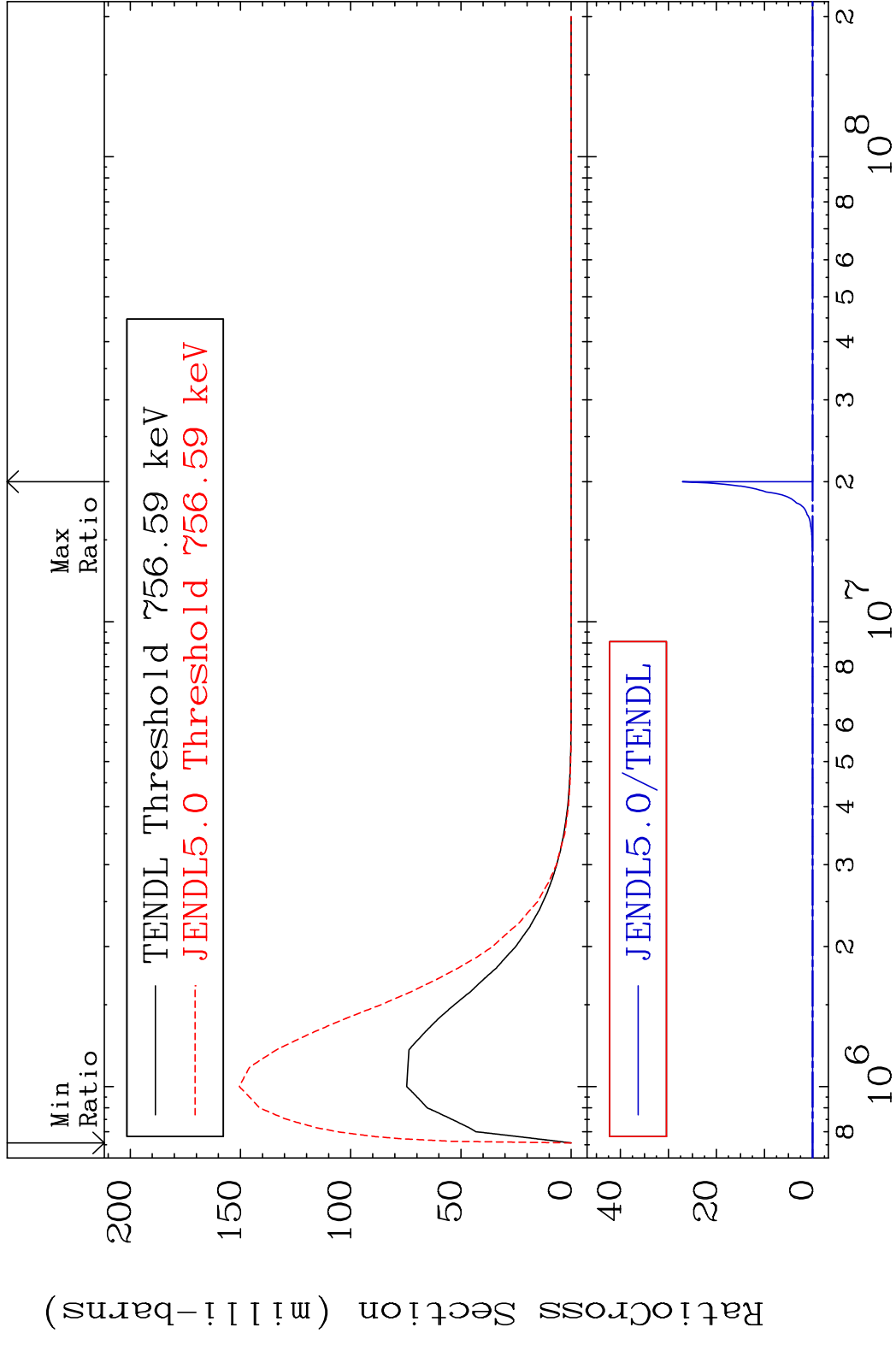


MAT 7732 MT= 72 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %

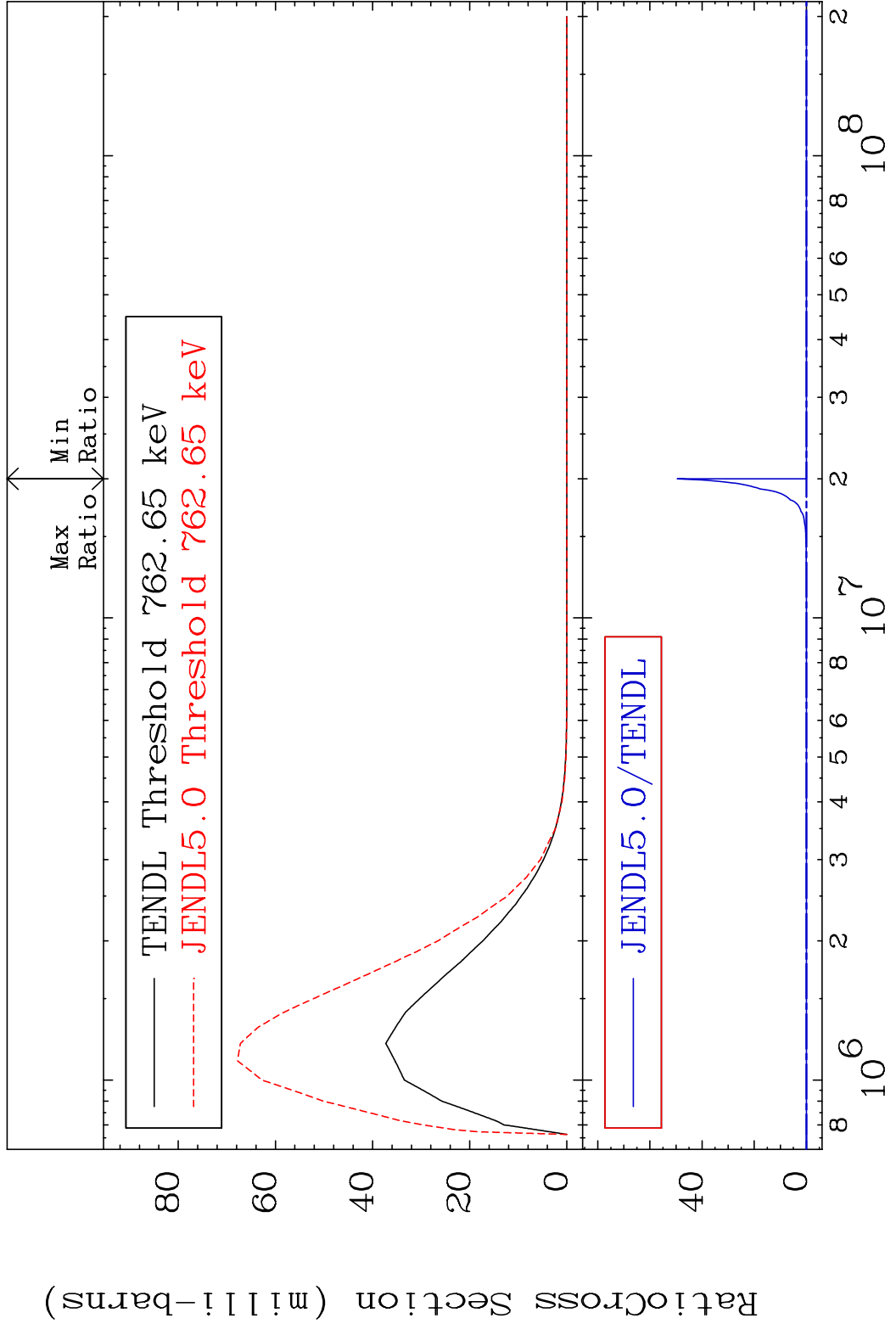


33 Incident Energy (eV) 77-Ir-193m

MAT 7732 MT= 73 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %

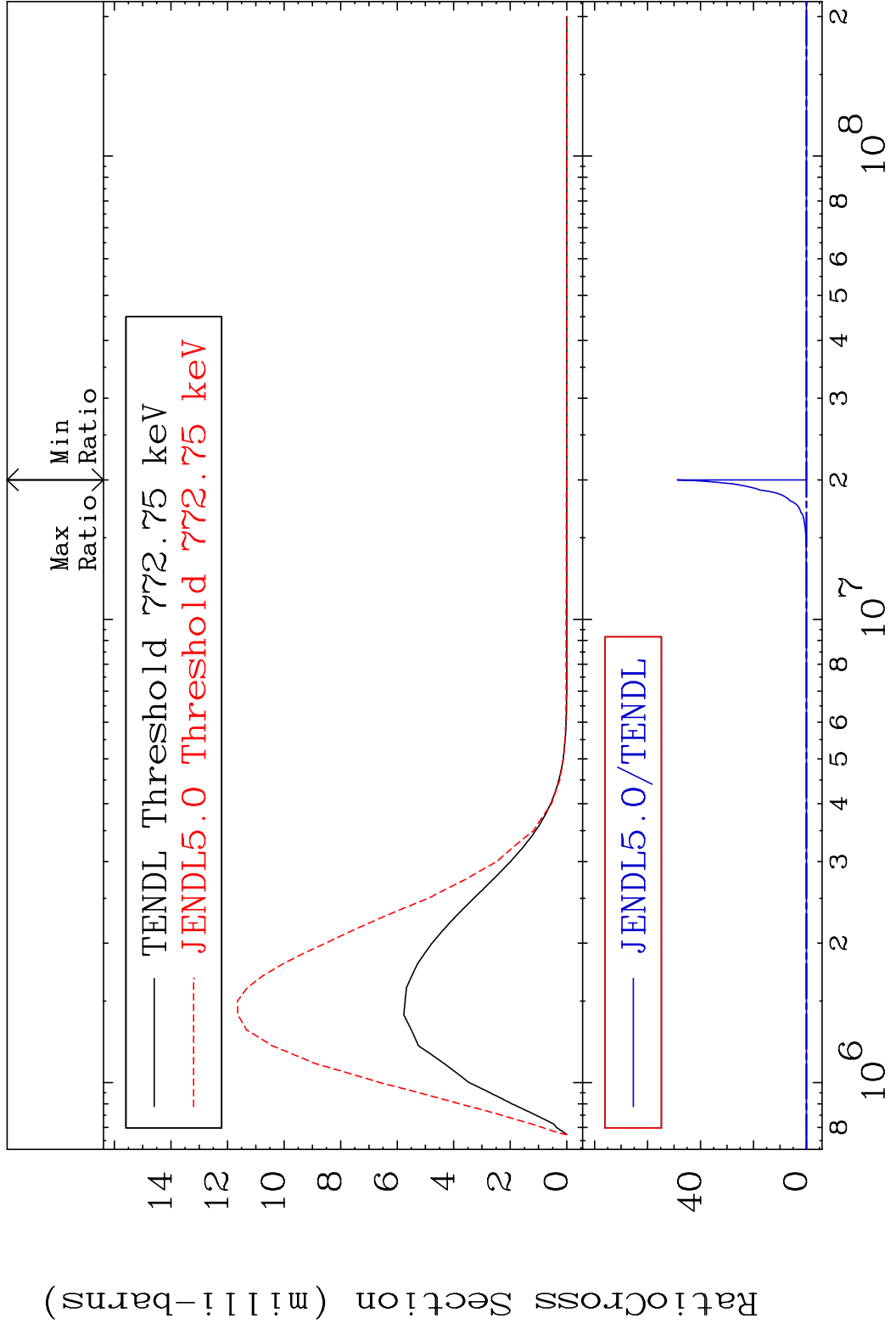


MAT 7732 MT= 74 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %



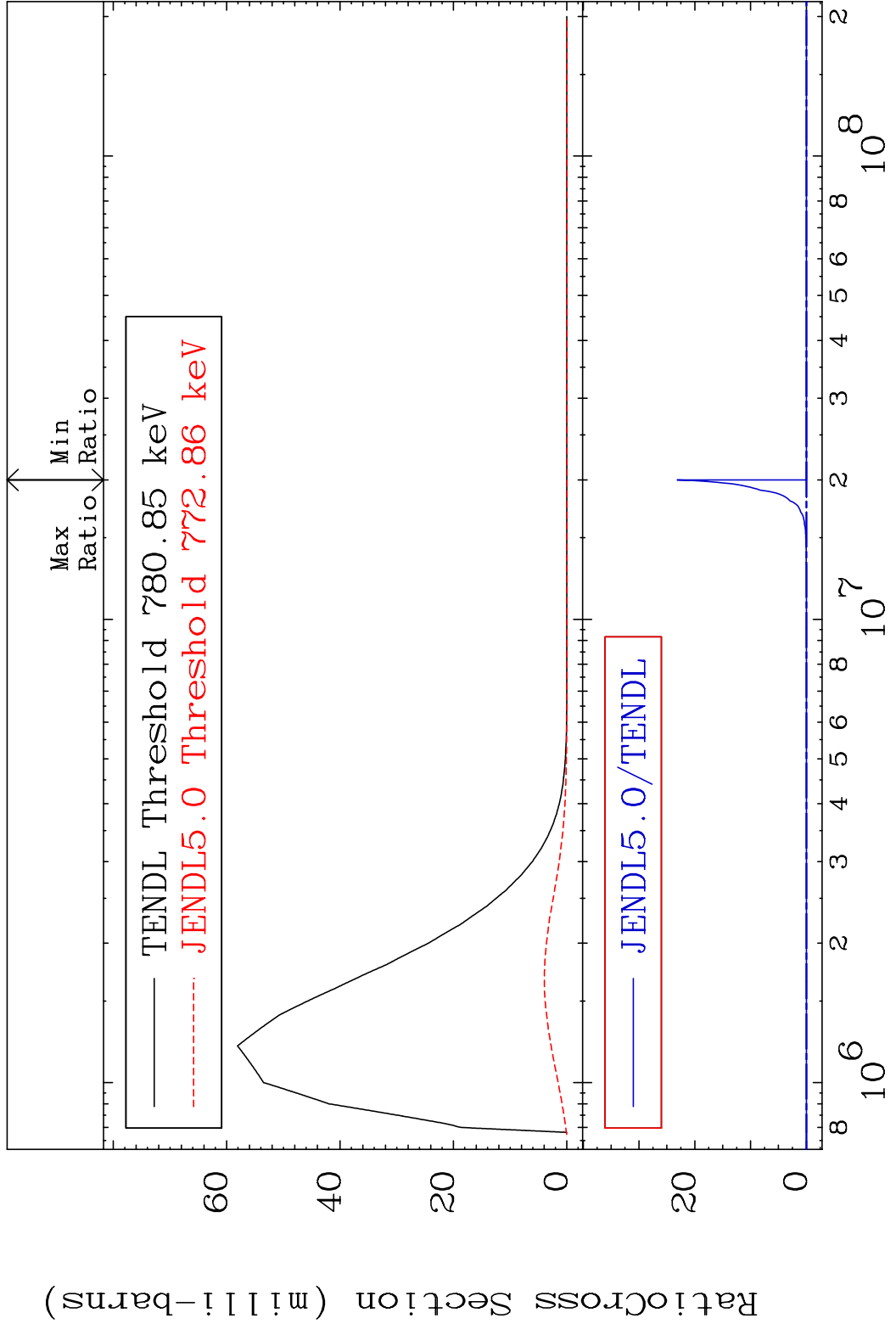
35 Incident Energy (eV) 77-Ir-193m

MAT 7732 MT= 75 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %



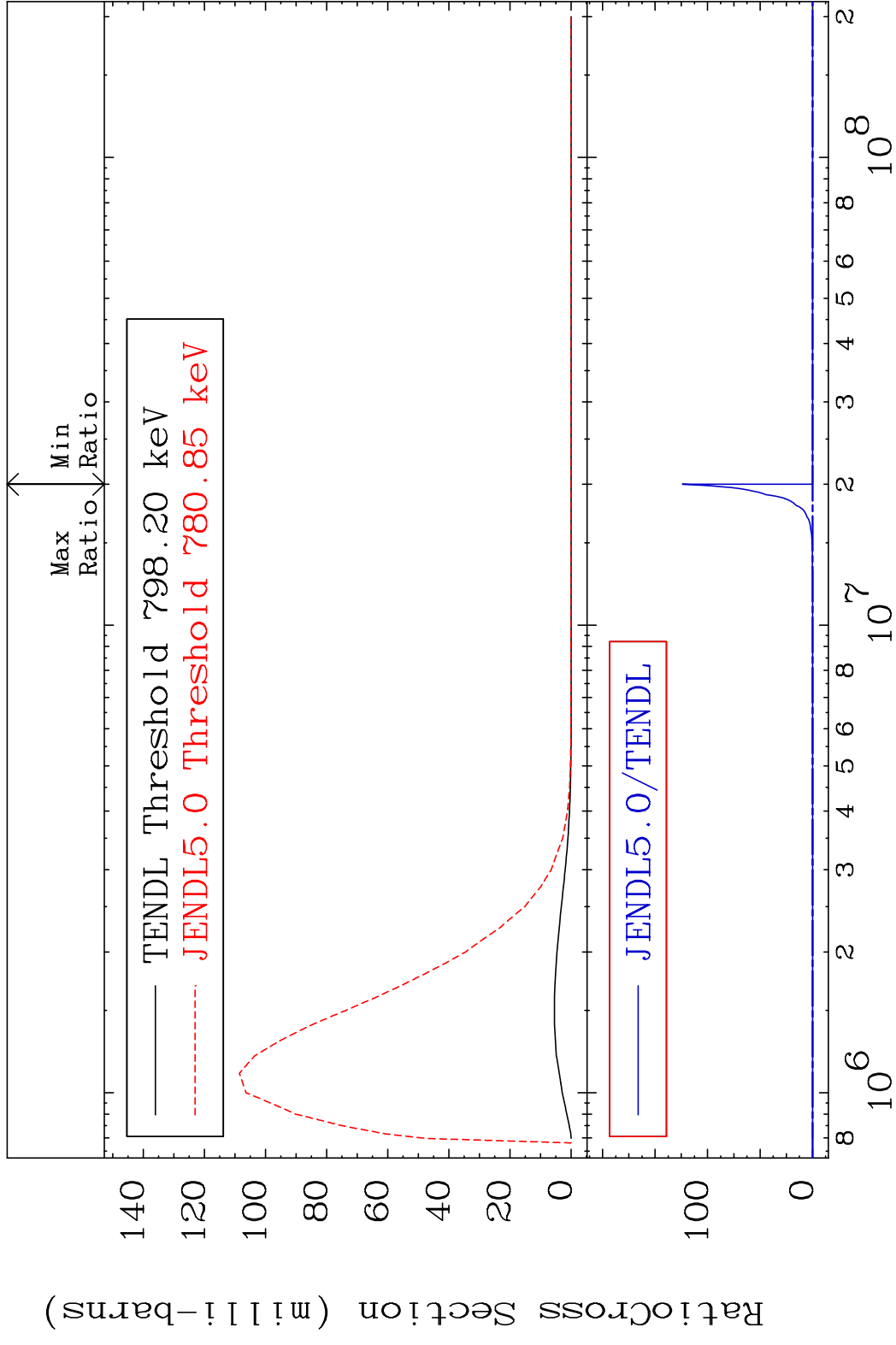
36 Incident Energy (eV) 77-Ir-193m

MAT 7732 MT= 76 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %

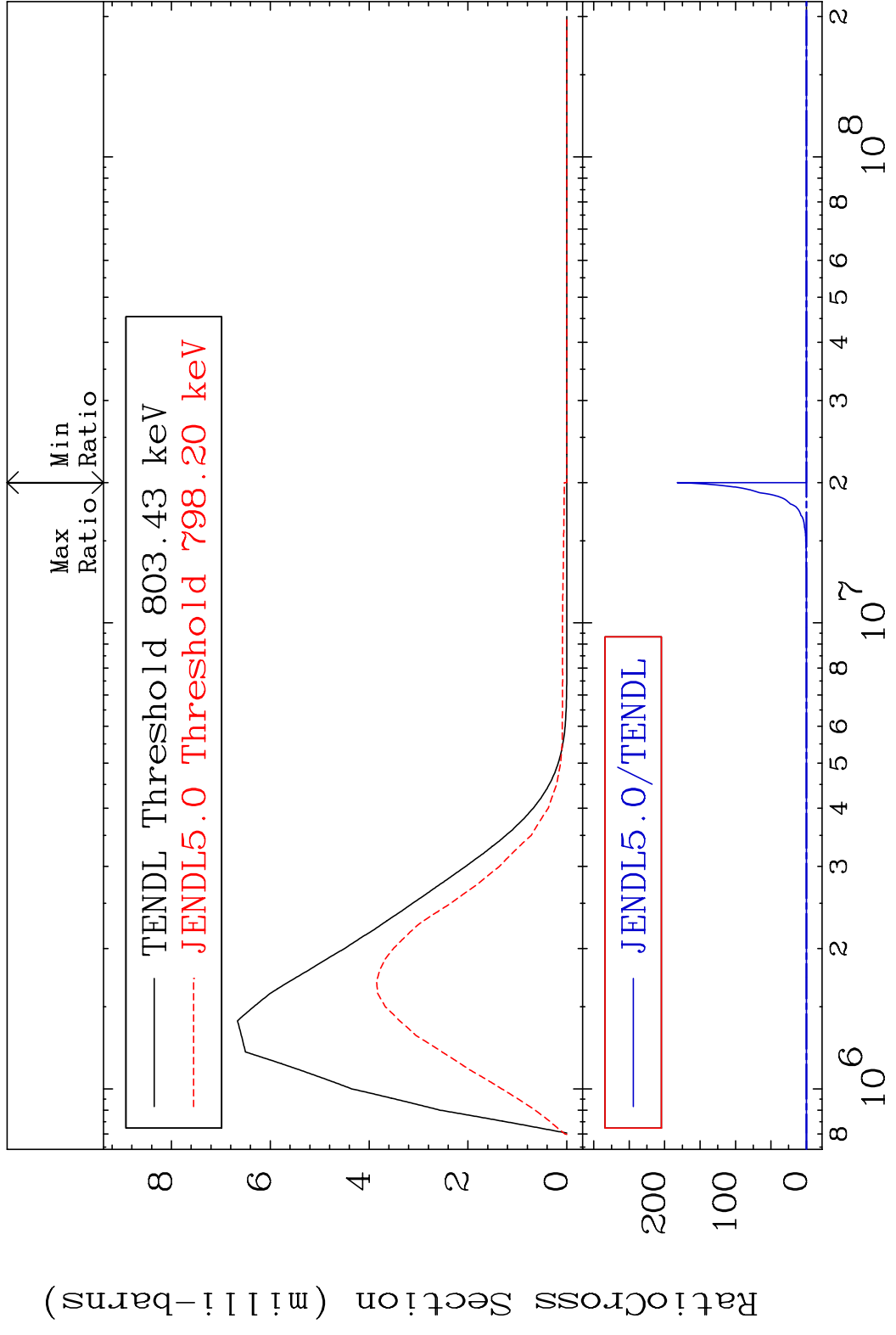


37 Incident Energy (eV) 77-Ir-193m

MAT 7732 MT= 77 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %

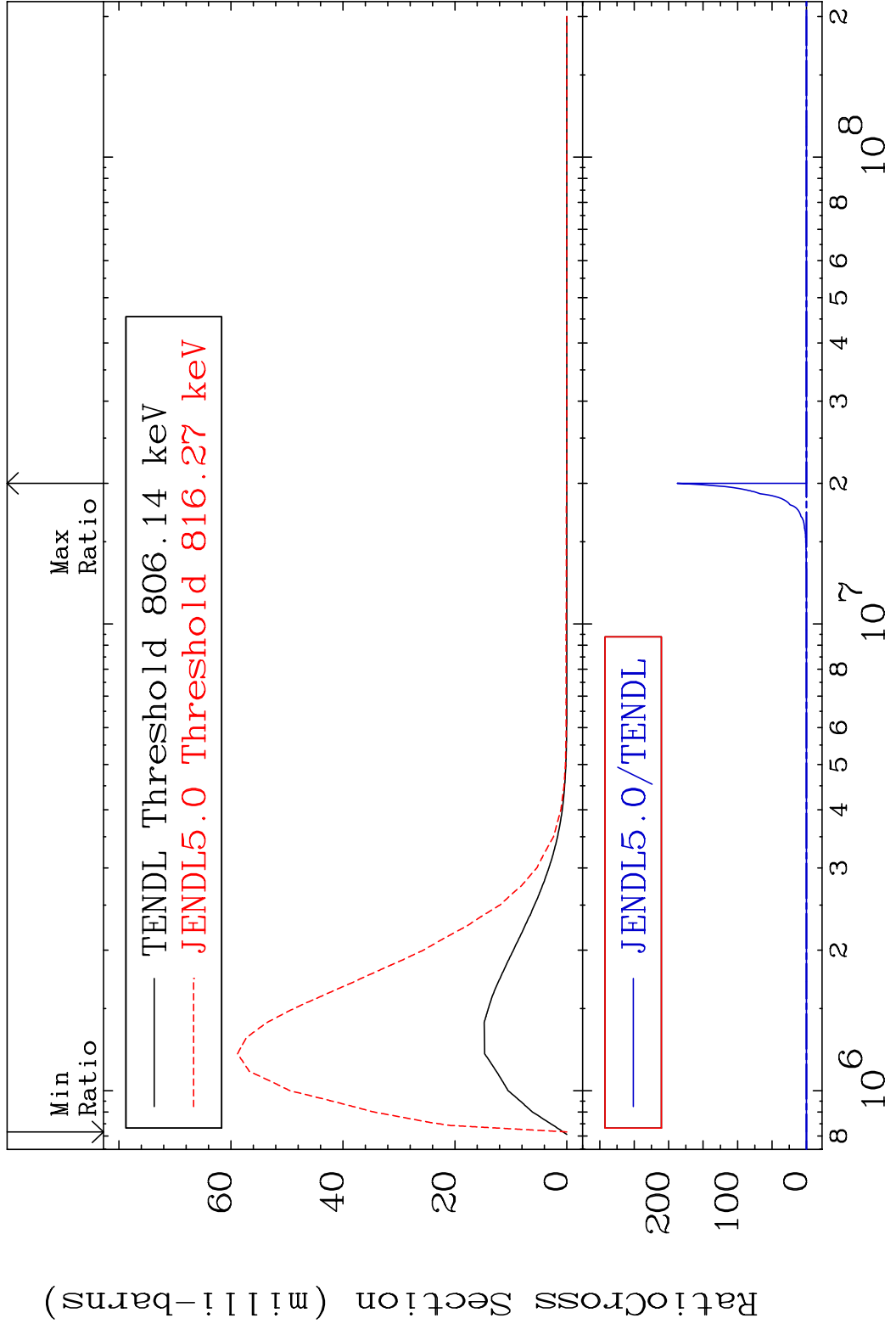


MAT 7732 MT= 78 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %



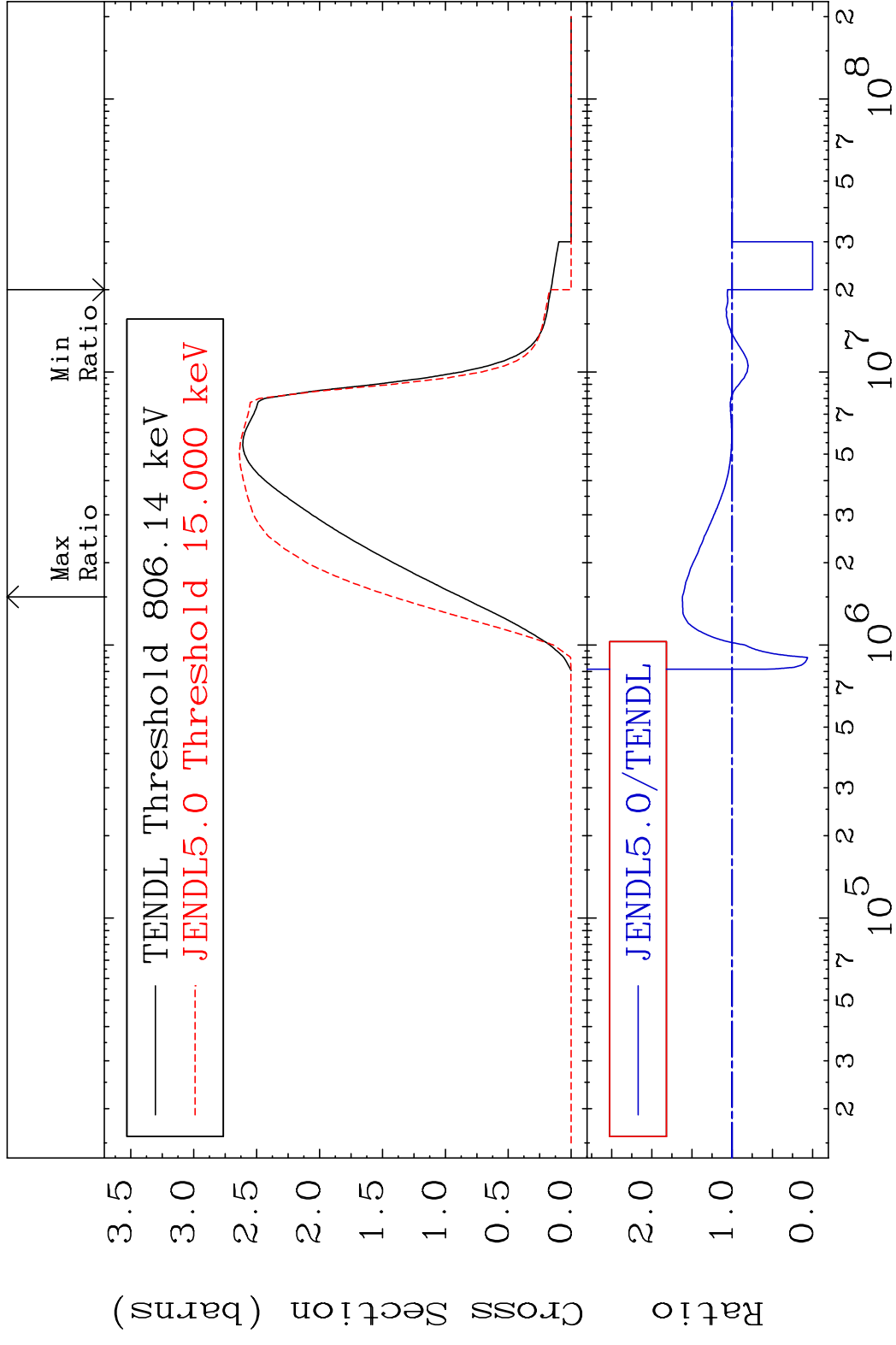
39 Incident Energy (eV) 77-Ir-193m

MAT 7732 MT= 79 (n, n') Level 77-Ir-193m
 Cross Section -100.0 To 9999. %



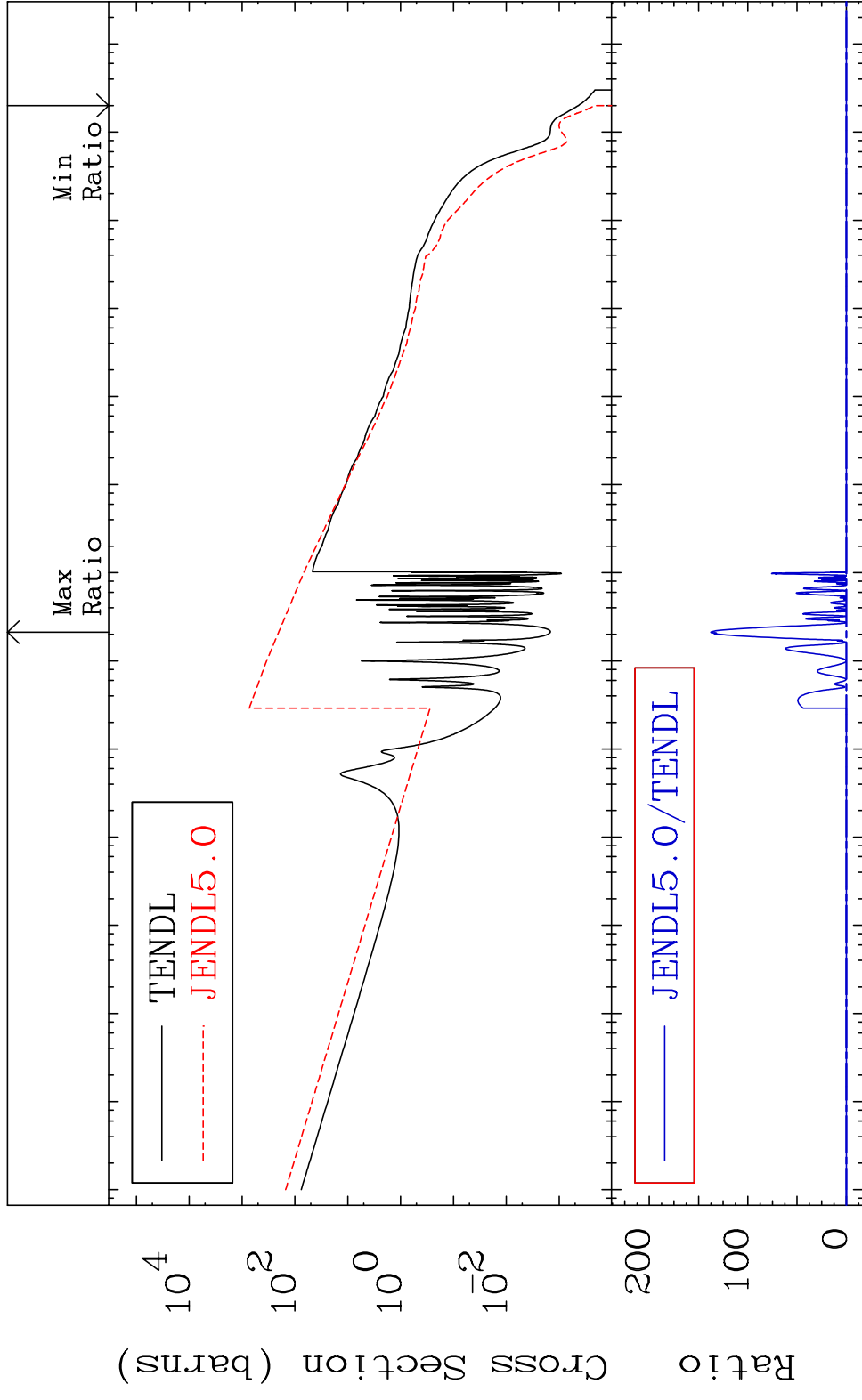
40 Incident Energy (eV) 77-Ir-193m

MAT 7732 (n, n') Continuum 77-Ir-193m
 Cross Section -100.0 To 61.99 %



MAT 7732

(n, γ)
Cross Section -100.0 To 9999. %
77-Ir-193m

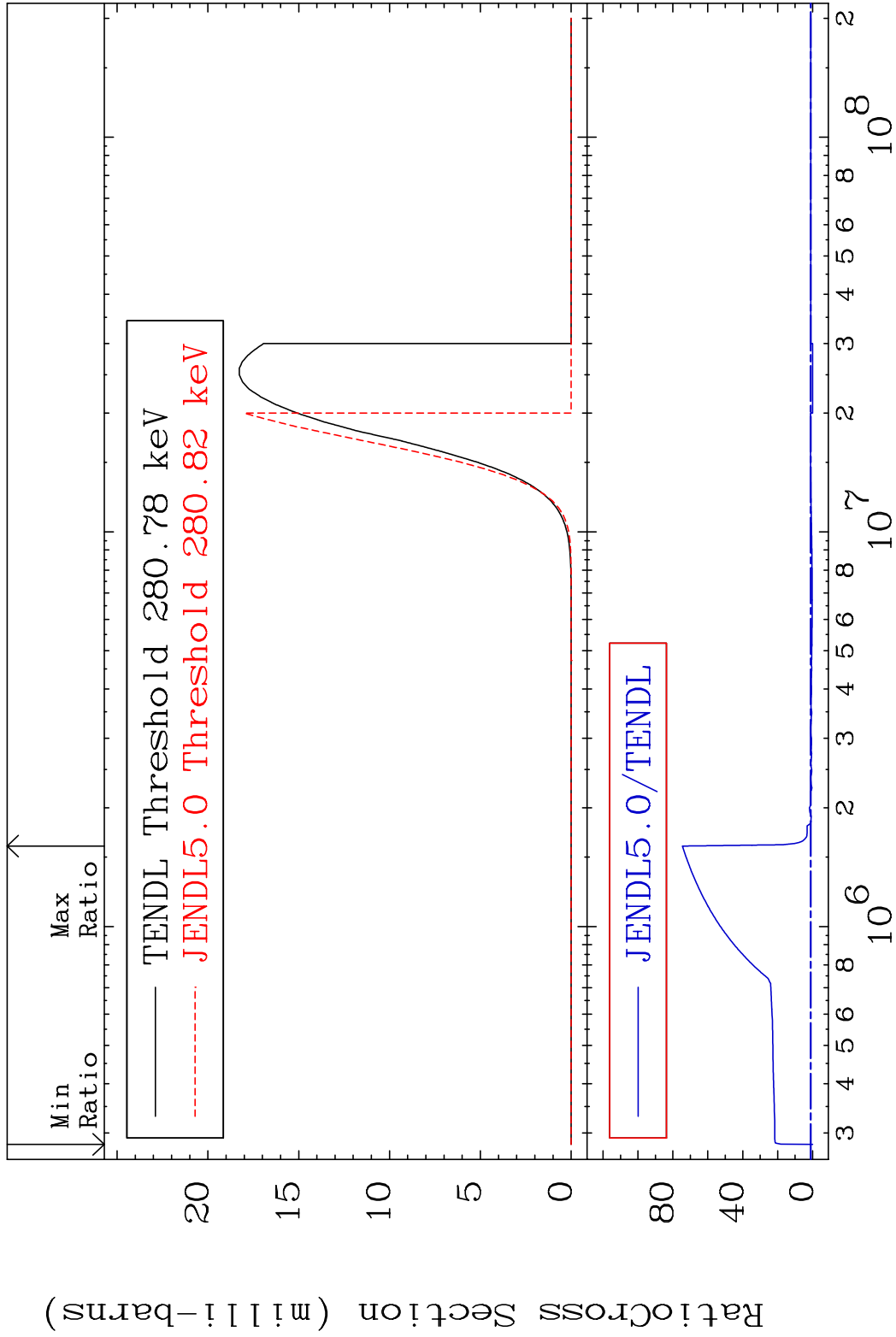


MAT 7732

(n, p)

77-Ir-193m

Cross Section -100.0 To 7356. %



43

Incident Energy (eV)

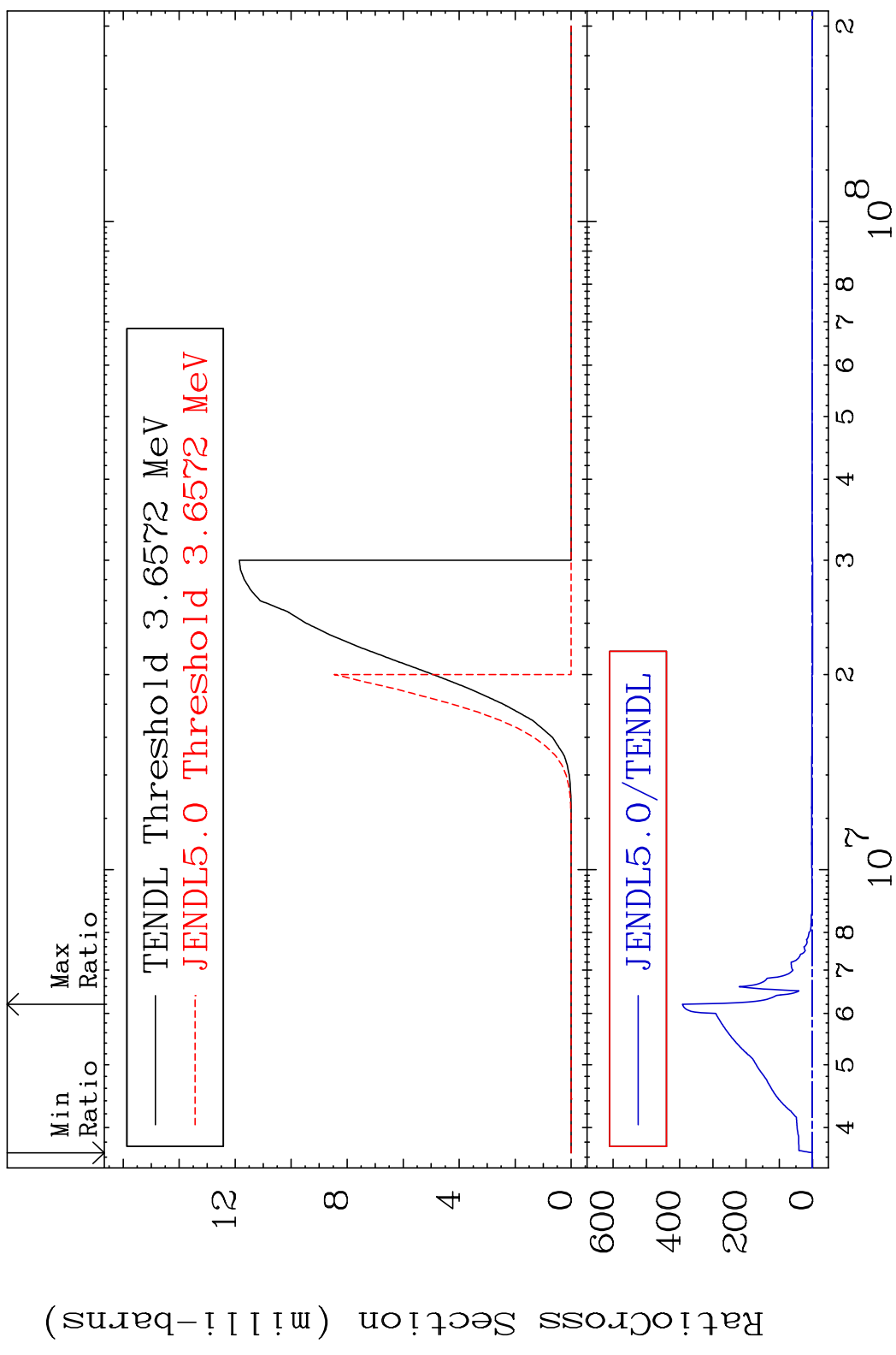
77-Ir-193m

MAT 7732

(n, d)

77-Ir-193m

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

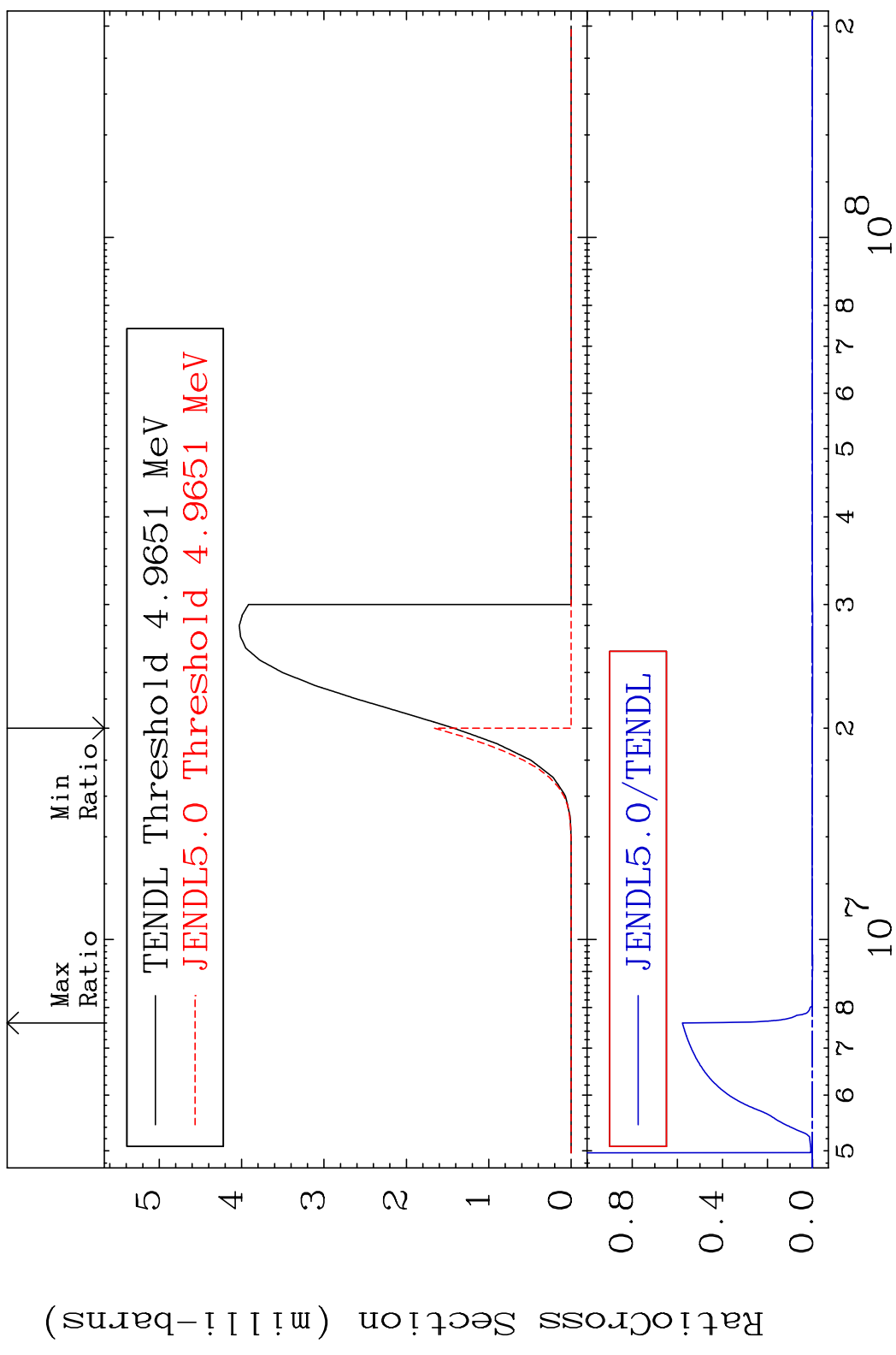
77-Ir-193m

MAT 7732

(n, t)

77-Ir-193m

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

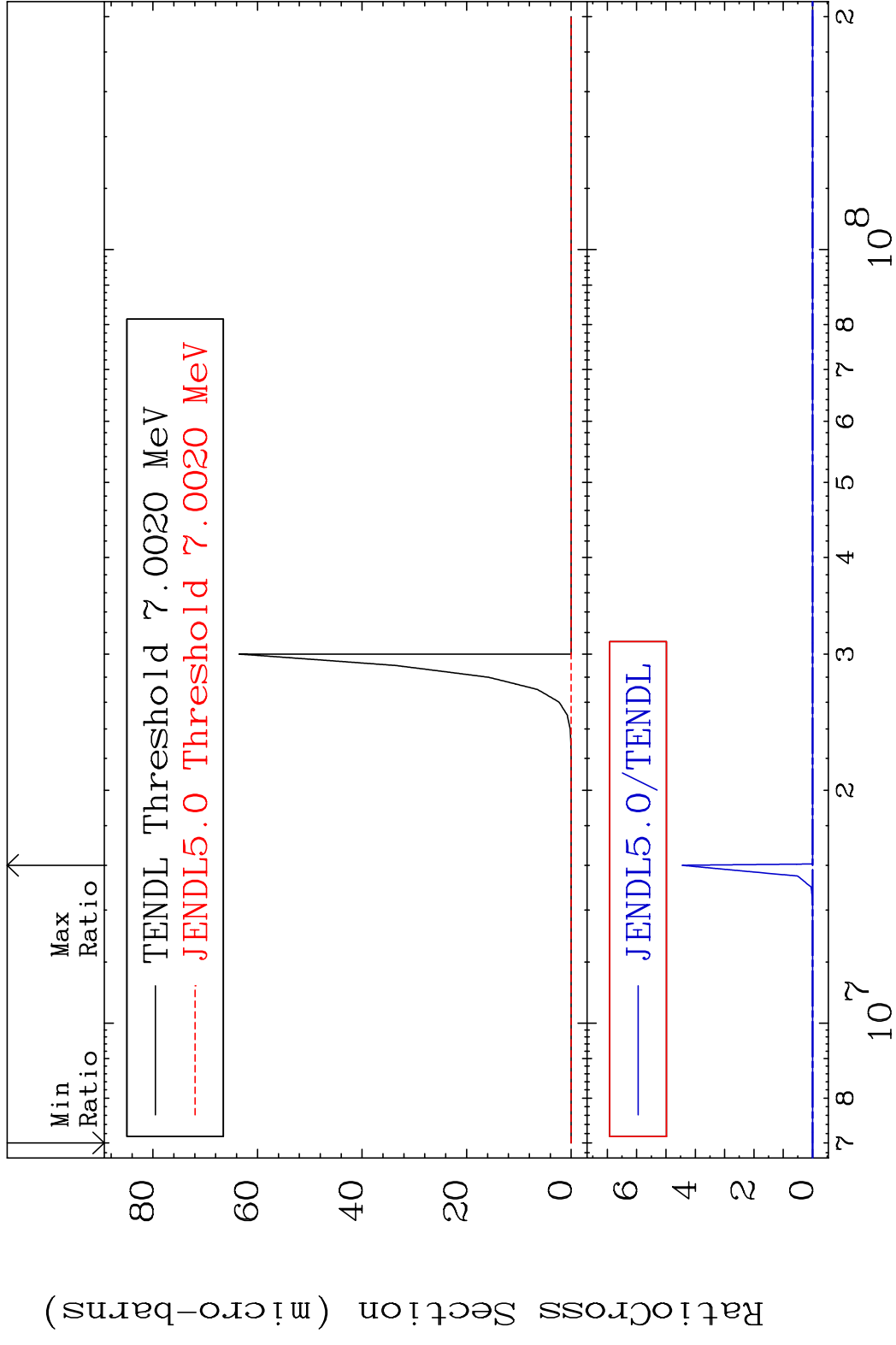
77-Ir-193m

MAT 7732

(n, He-3)

77-Ir-193m

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

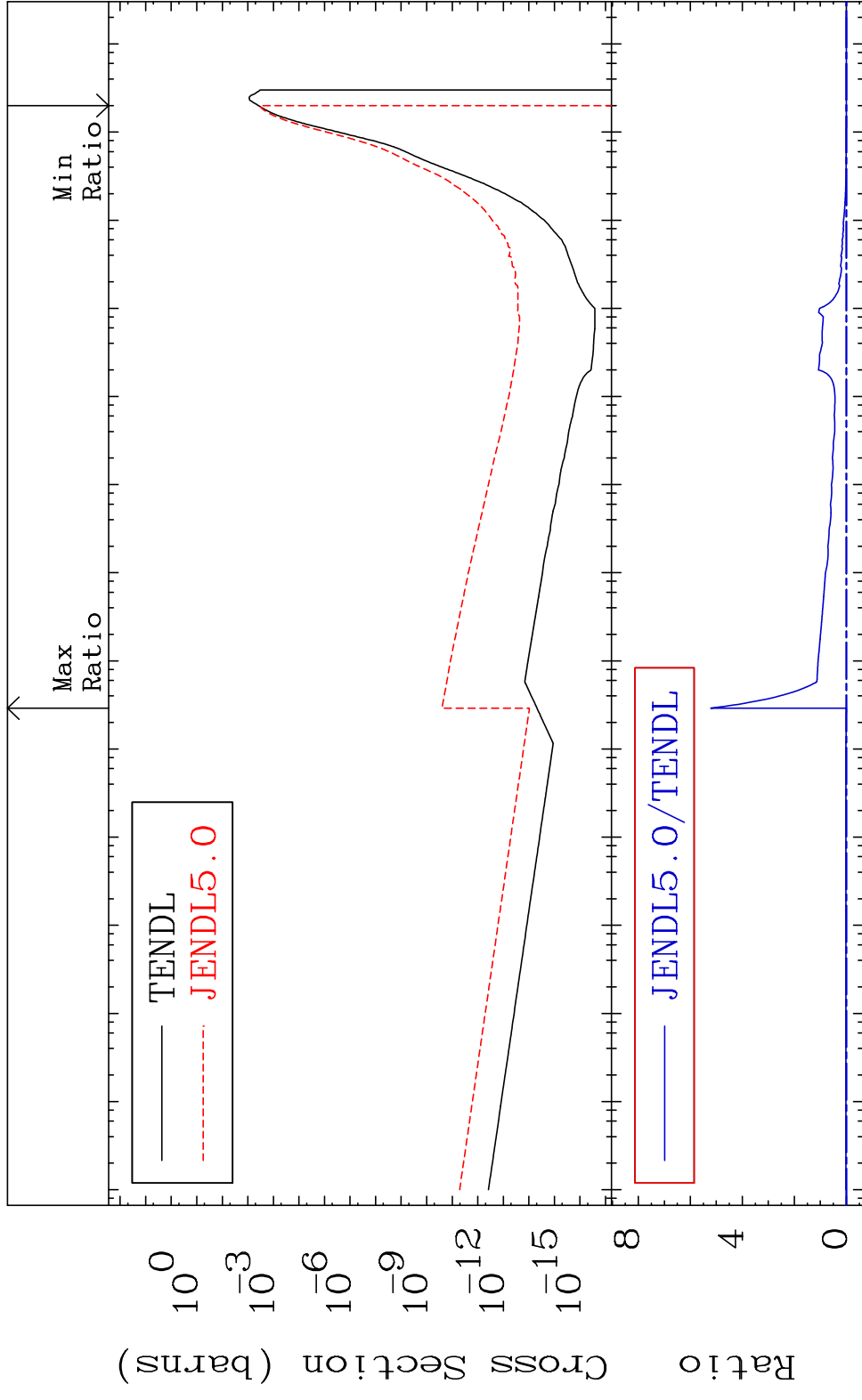
77-Ir-193m

MAT 7732

77-Ir-193m

(n, α)

Cross Section -100.0 To 9999. %



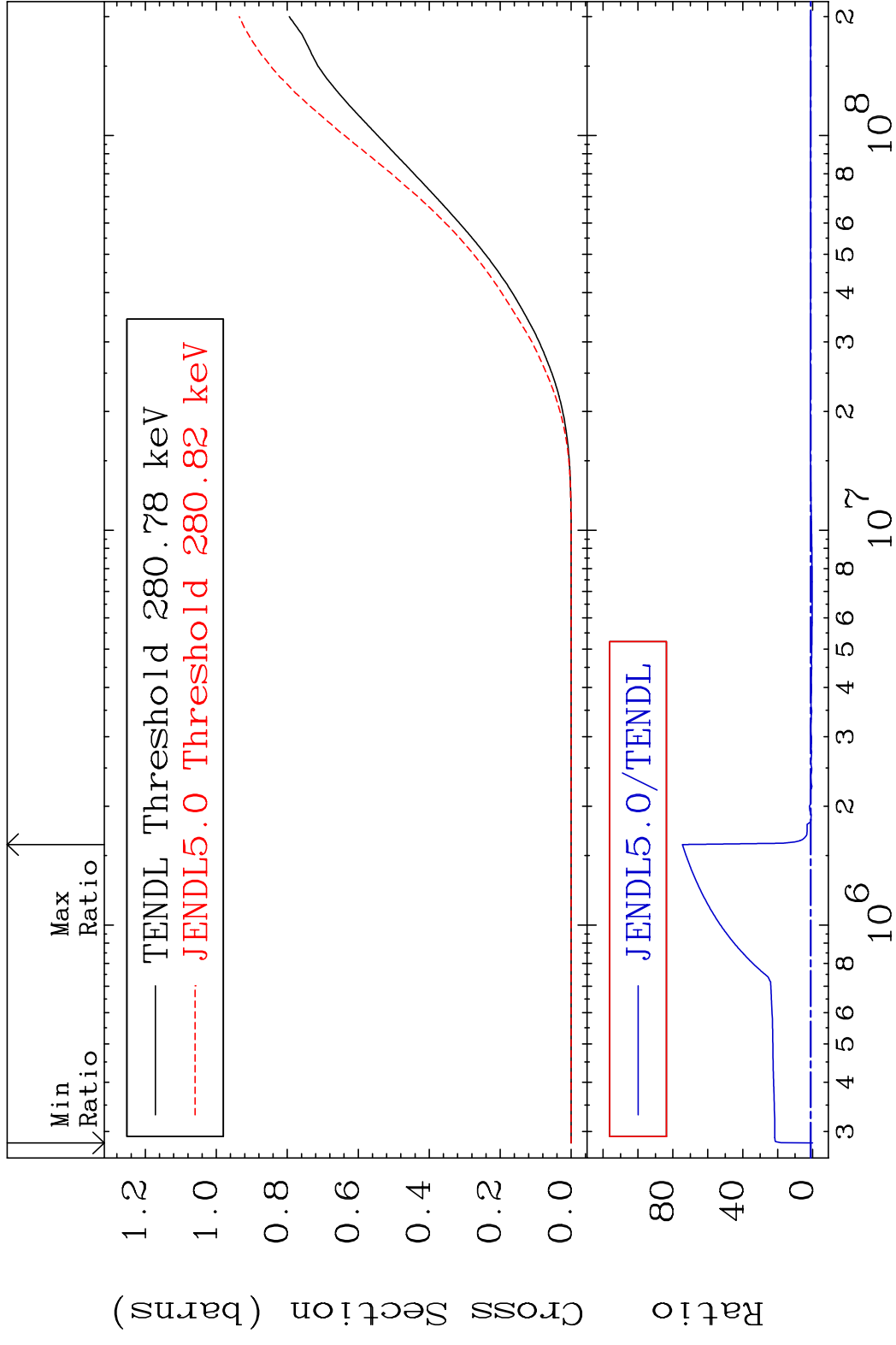
47

Incident Energy (eV)

77-Ir-193m

MAT 7732

Hydrogen Production 77-Ir-193m
Cross Section -100.0 To 7356. %



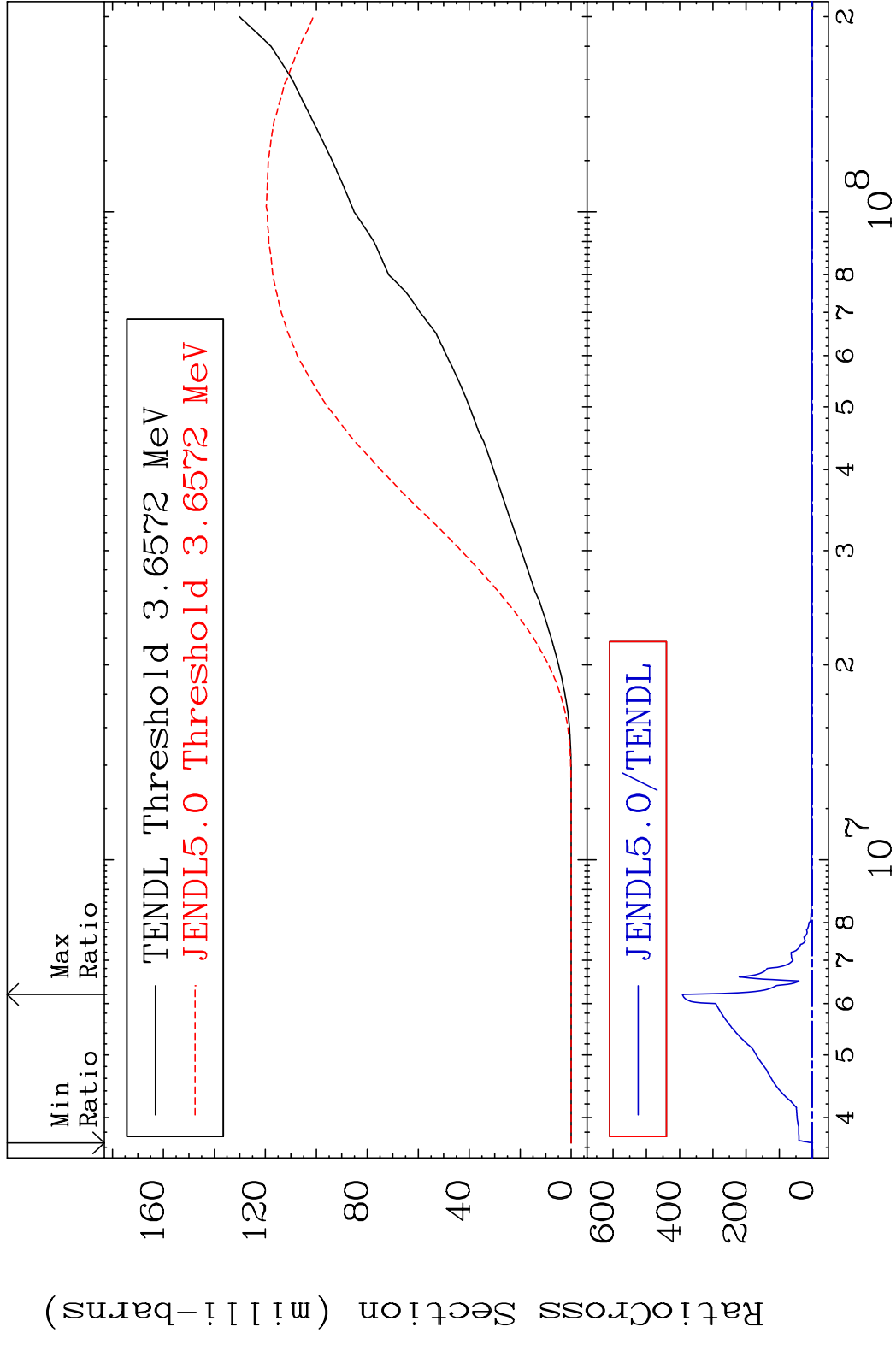
48

Incident Energy (eV)

77-Ir-193m

MAT 7732

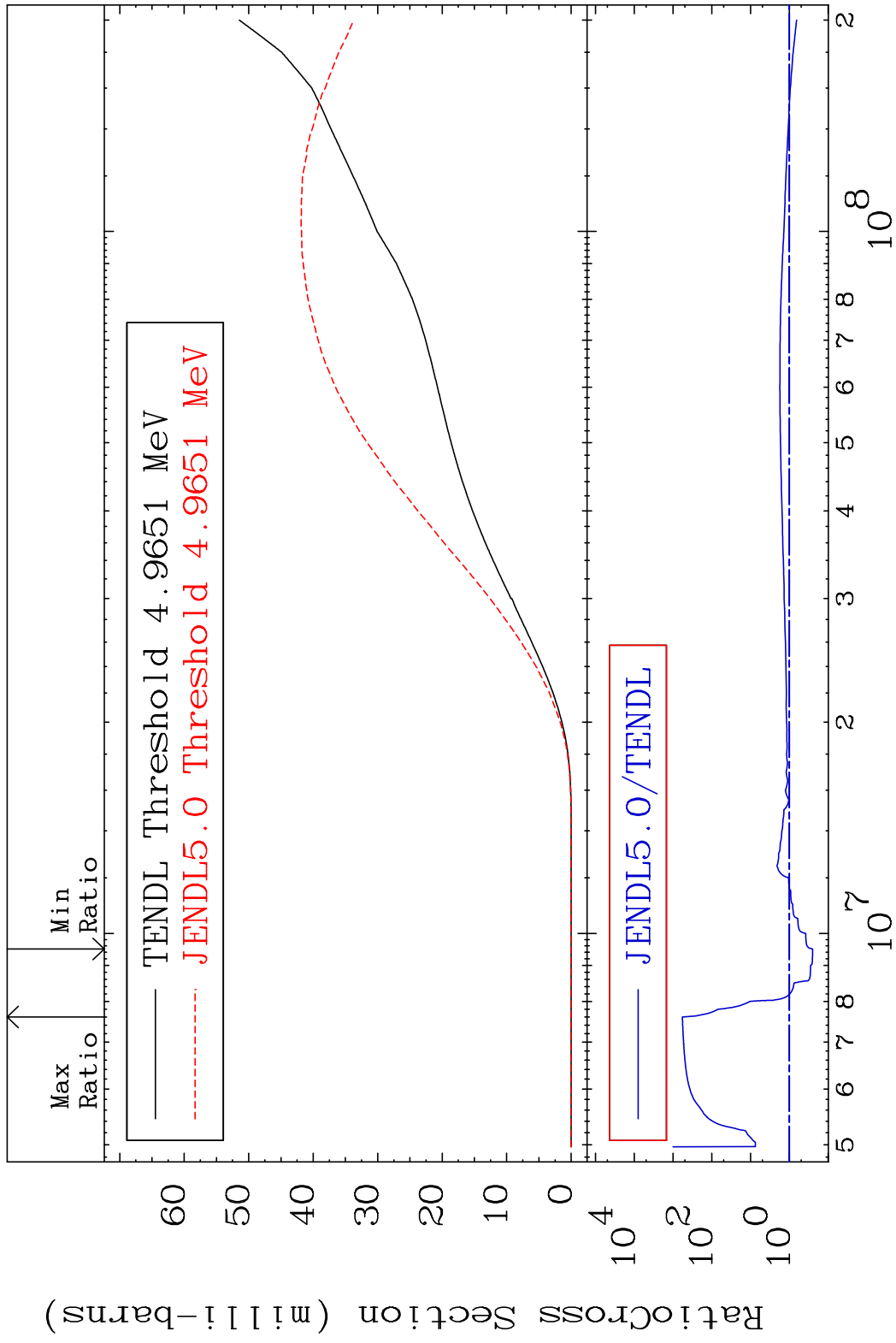
Deuterium Production 77-Ir-193m
Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

77-Ir-193m

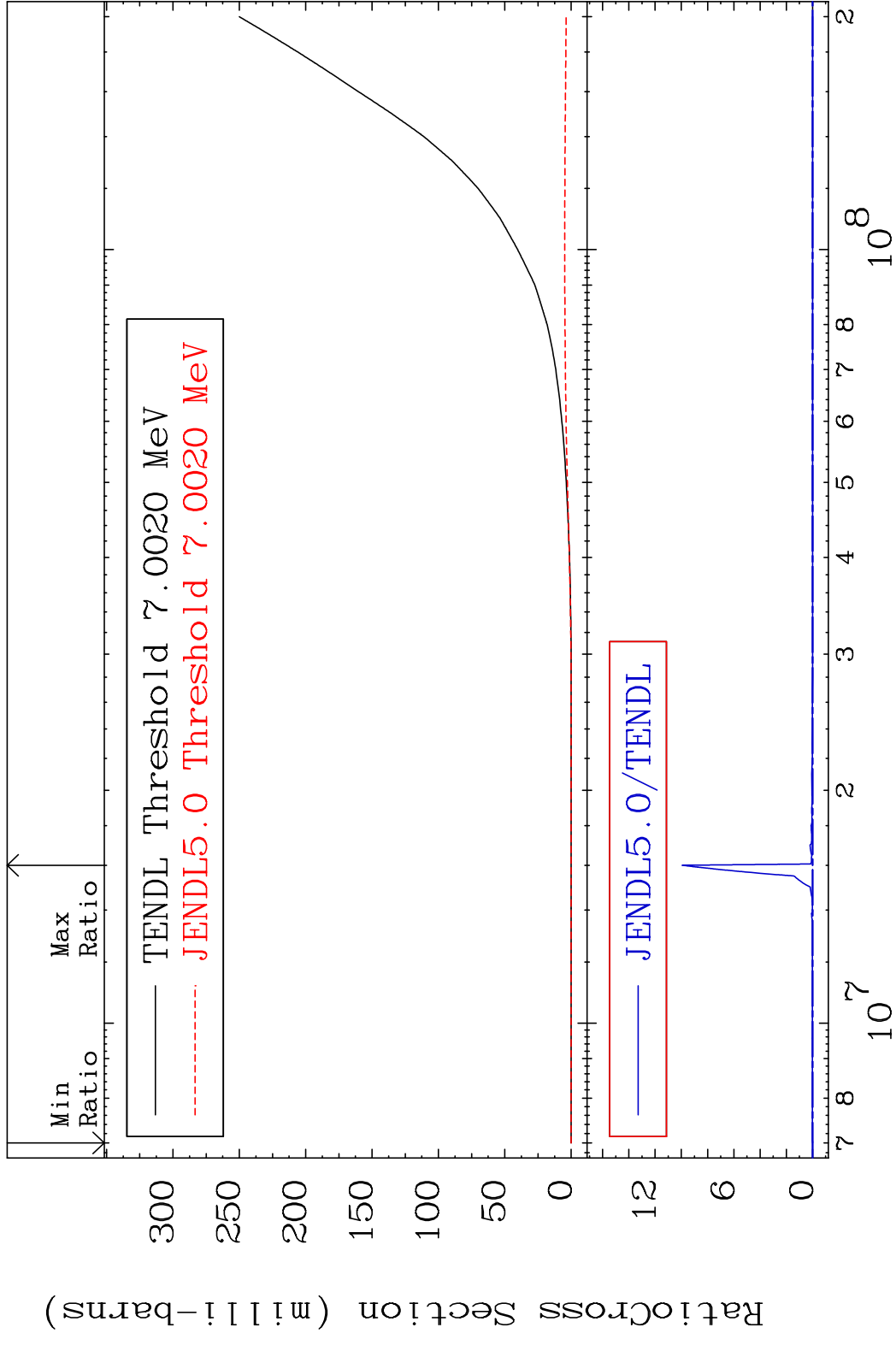


MAT 7732

He-3 Production

77-Ir-193m

Cross Section -100.0 To 9999. %

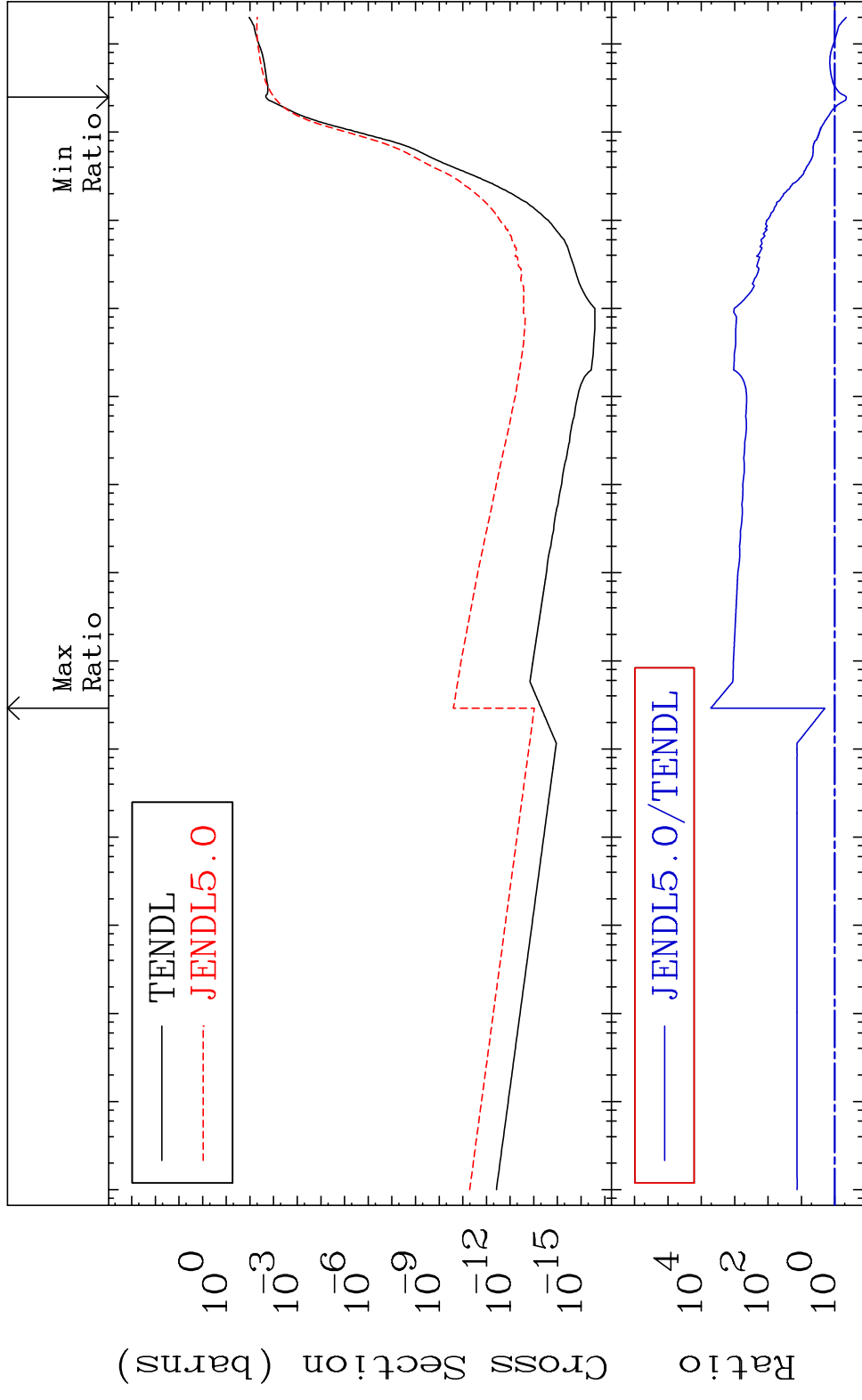


MAT 7732

He-4 Production

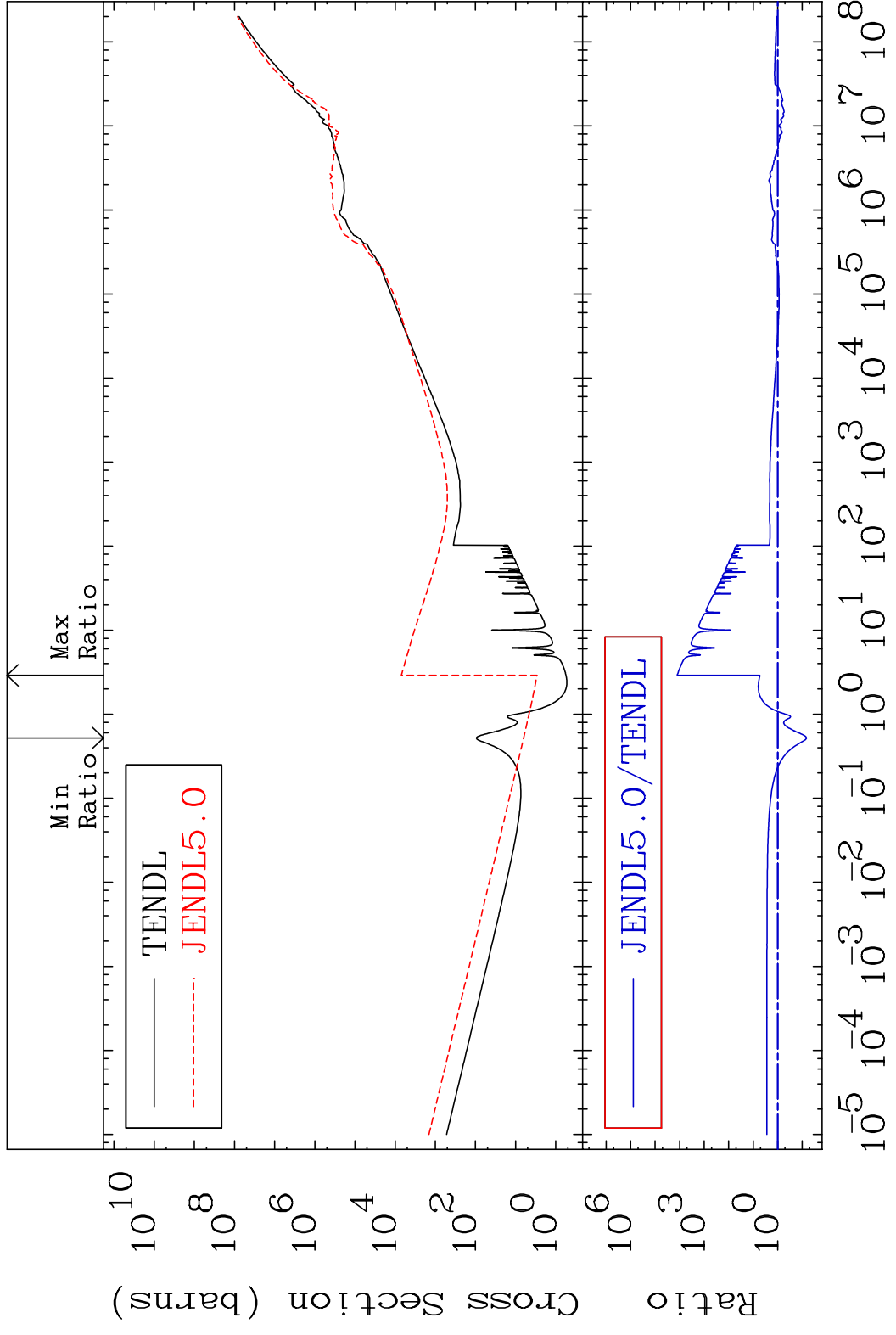
77-Ir-193m

Cross Section -54.96 To 9999. %



MAT 7732

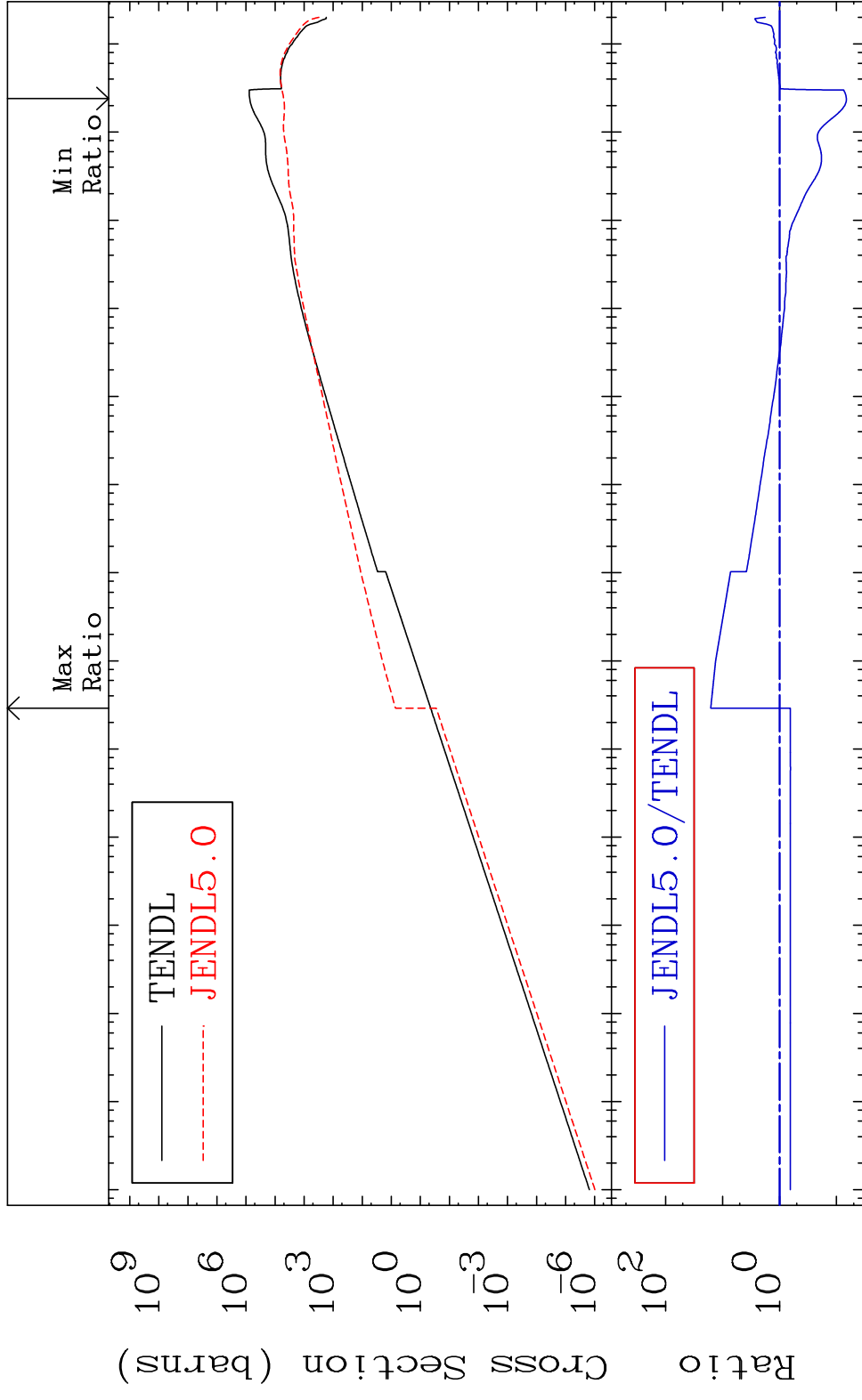
Kerma total (eV-barns) 77-Ir-193m
Cross Section -93.29 To 9999. %



MAT 7732

Kerma elastic
Cross Section -93.28 To 1519. %

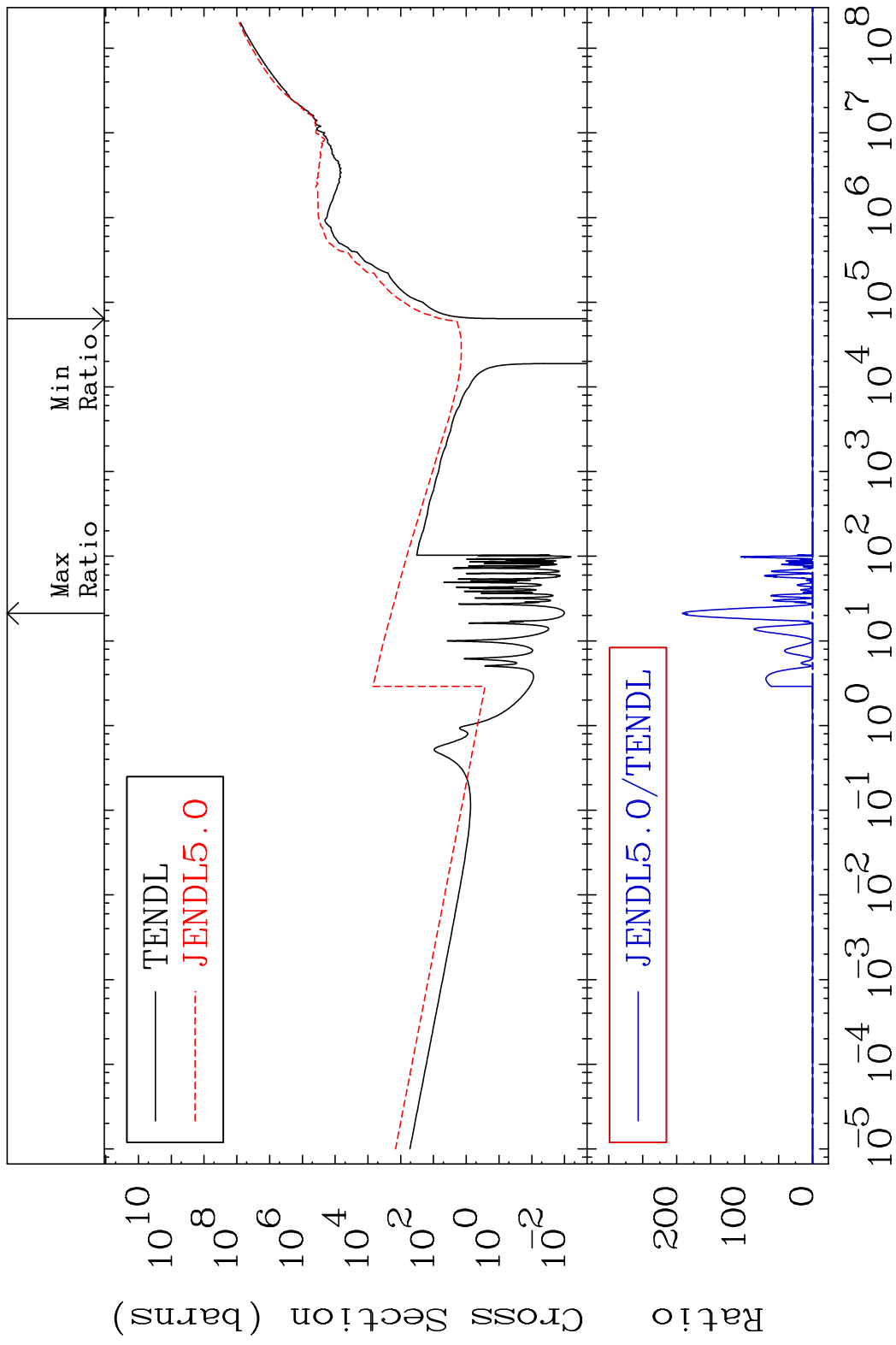
77-Ir-193m



10⁹
10⁶
10³
10⁰
10⁻³
10⁻⁶
10⁻⁹
Cross Section (barns)

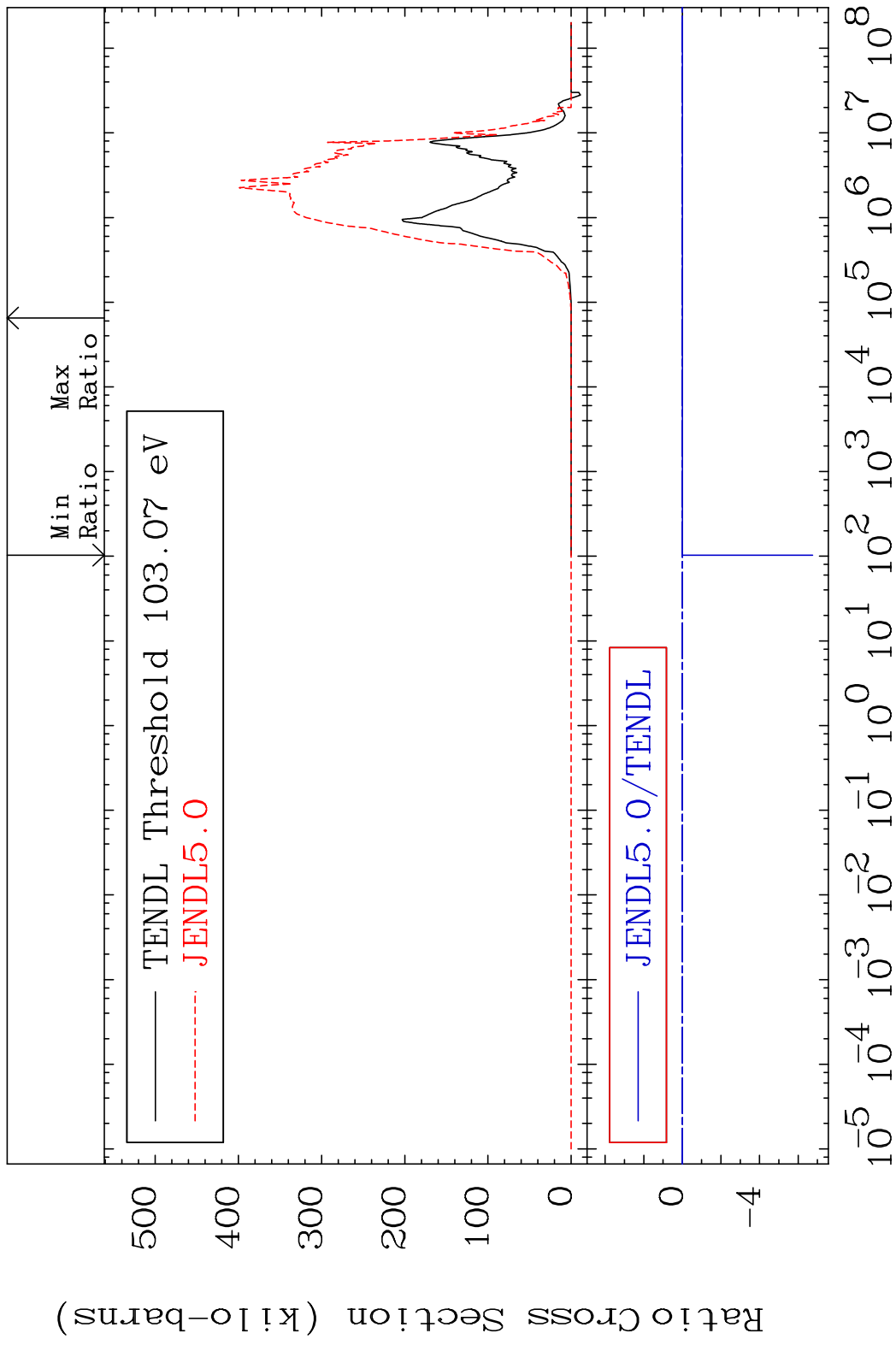
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV)

MAT 7732 Kerma non-elastic (all but mt2) 77-Ir-193m
 Cross Section -9044. To 9999. %



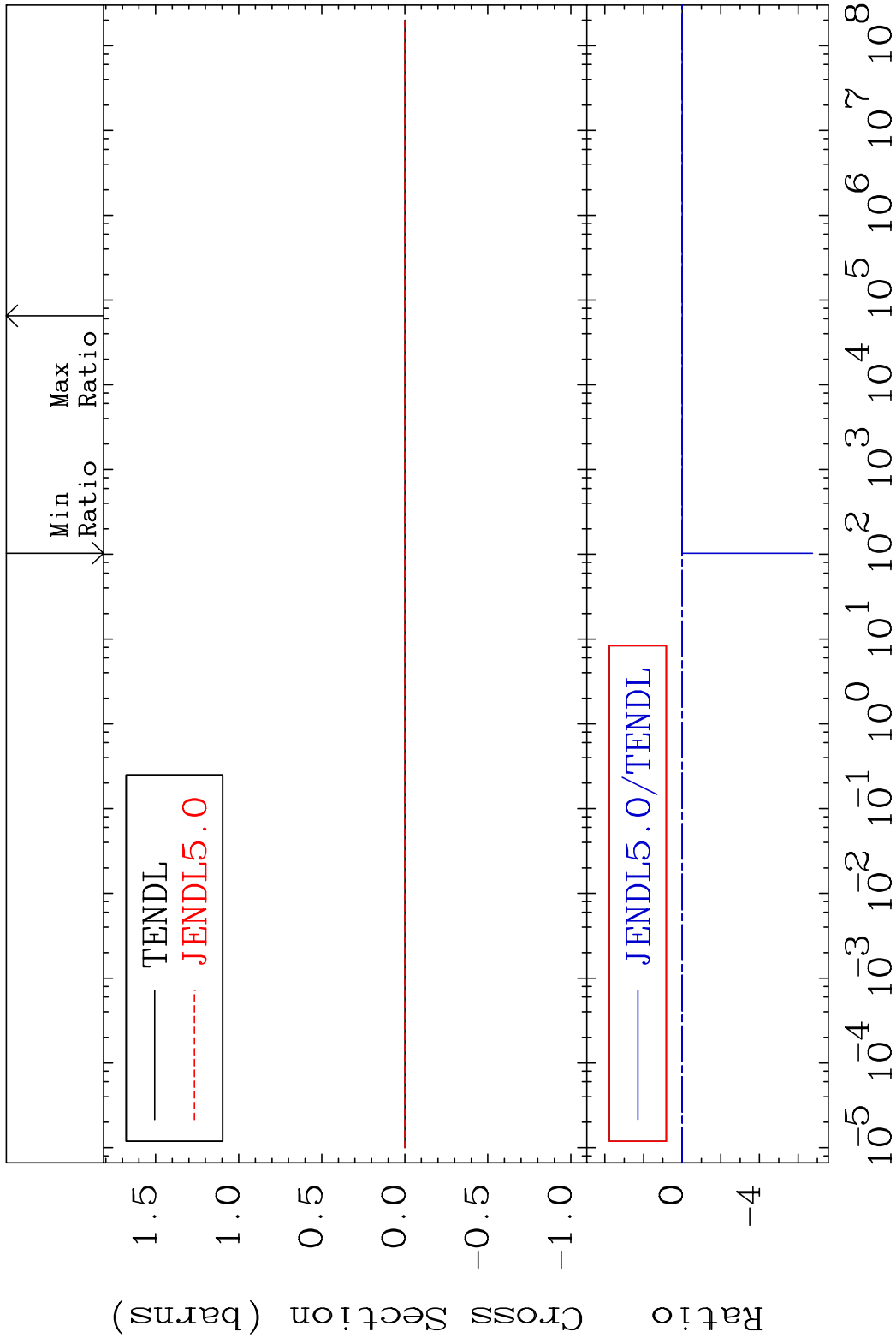
55 Incident Energy (eV) 77-Ir-193m

MAT 7732 Kerma inelastic (mt51-91) 77-Ir-193m
 Cross Section -9999. To 5593. %



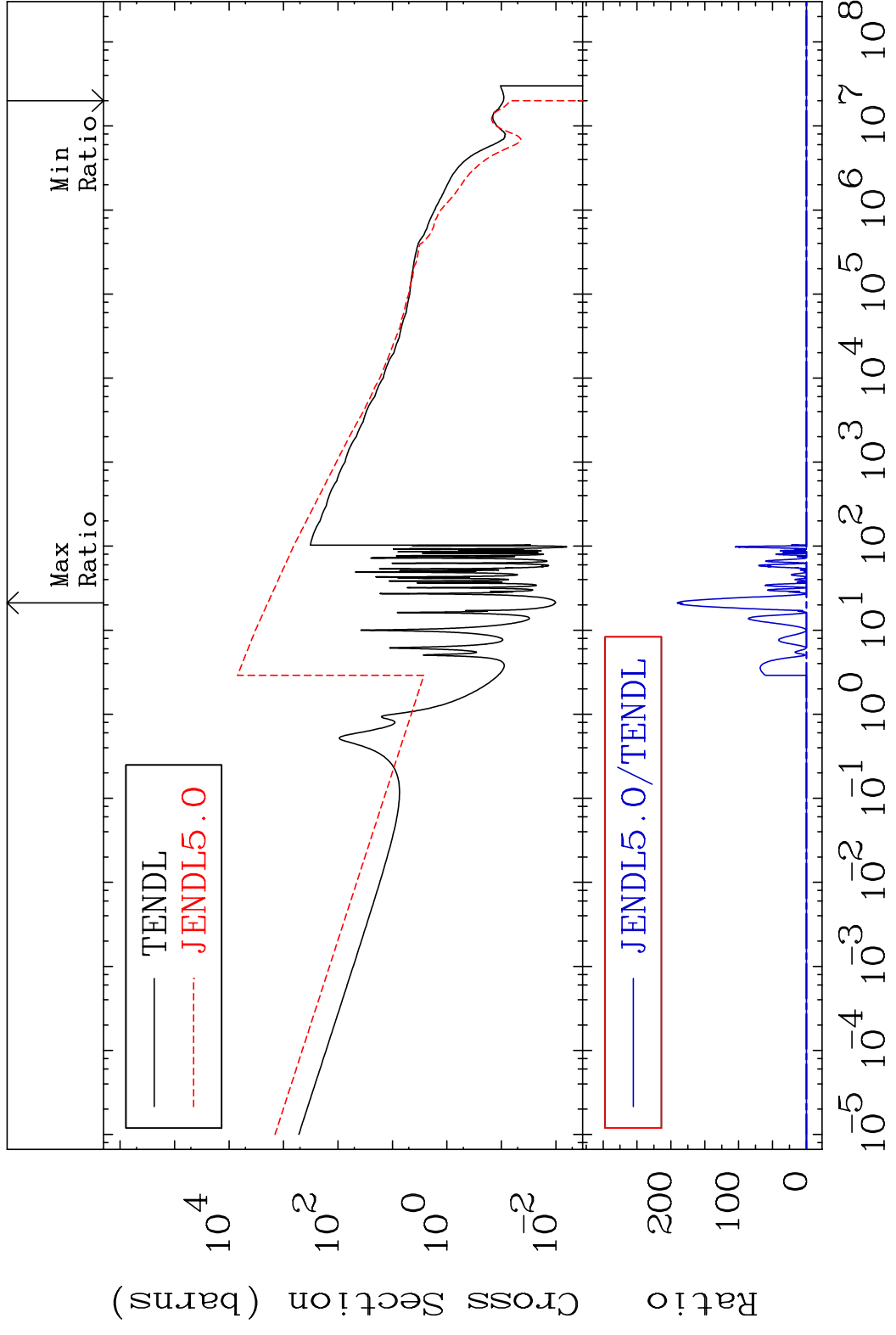
56 77-Ir-193m

MAT 7732 Kerma fission (mt18 or mt19-20-21-38)-Ir-193m
 Cross Section -9999. To 5593. %



MAT 7732

Kerma capture (mt102) 77-Ir-193m
Cross Section -100.0 To 9999. %



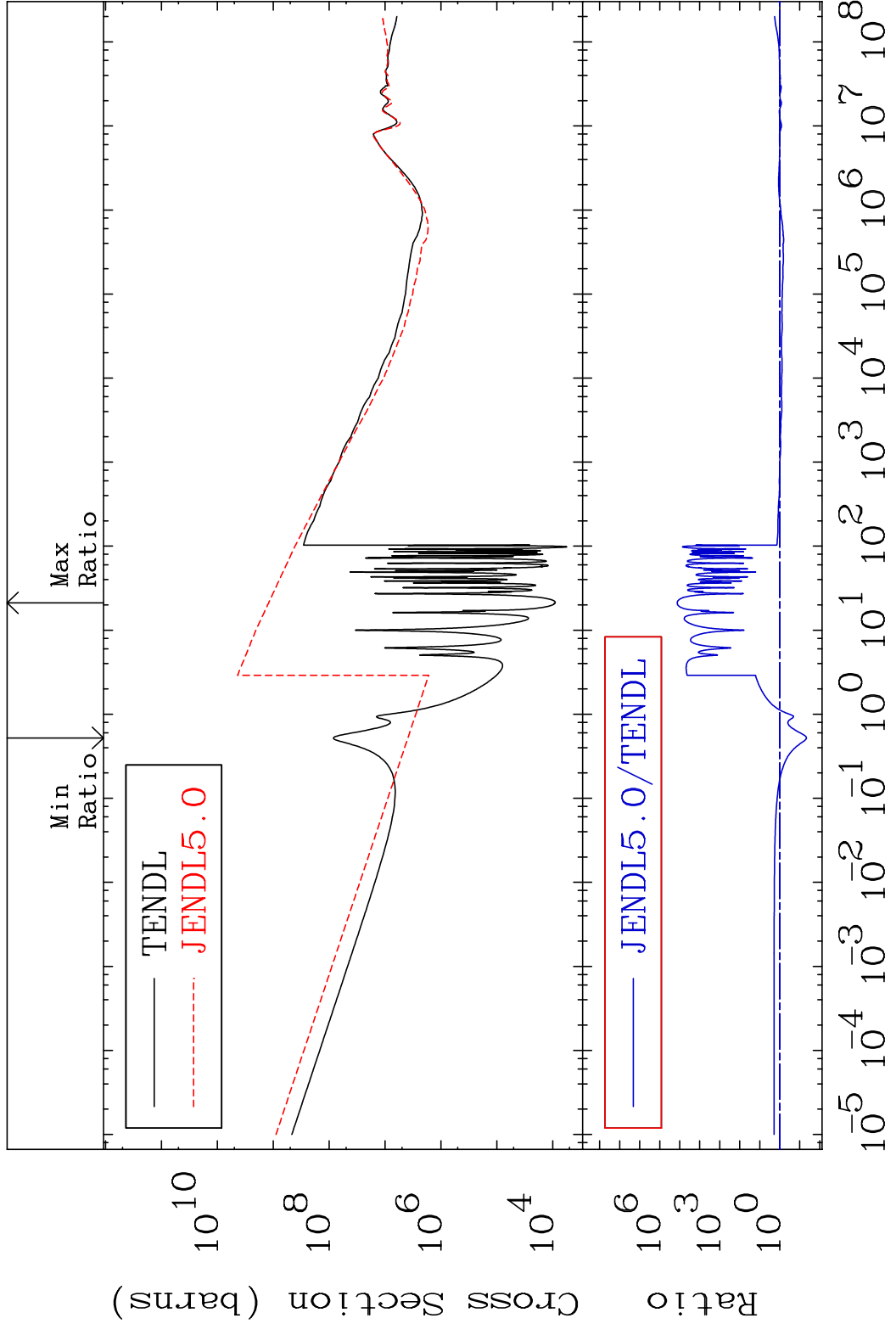
58

Incident Energy (eV)

77-Ir-193m

MAT 7732

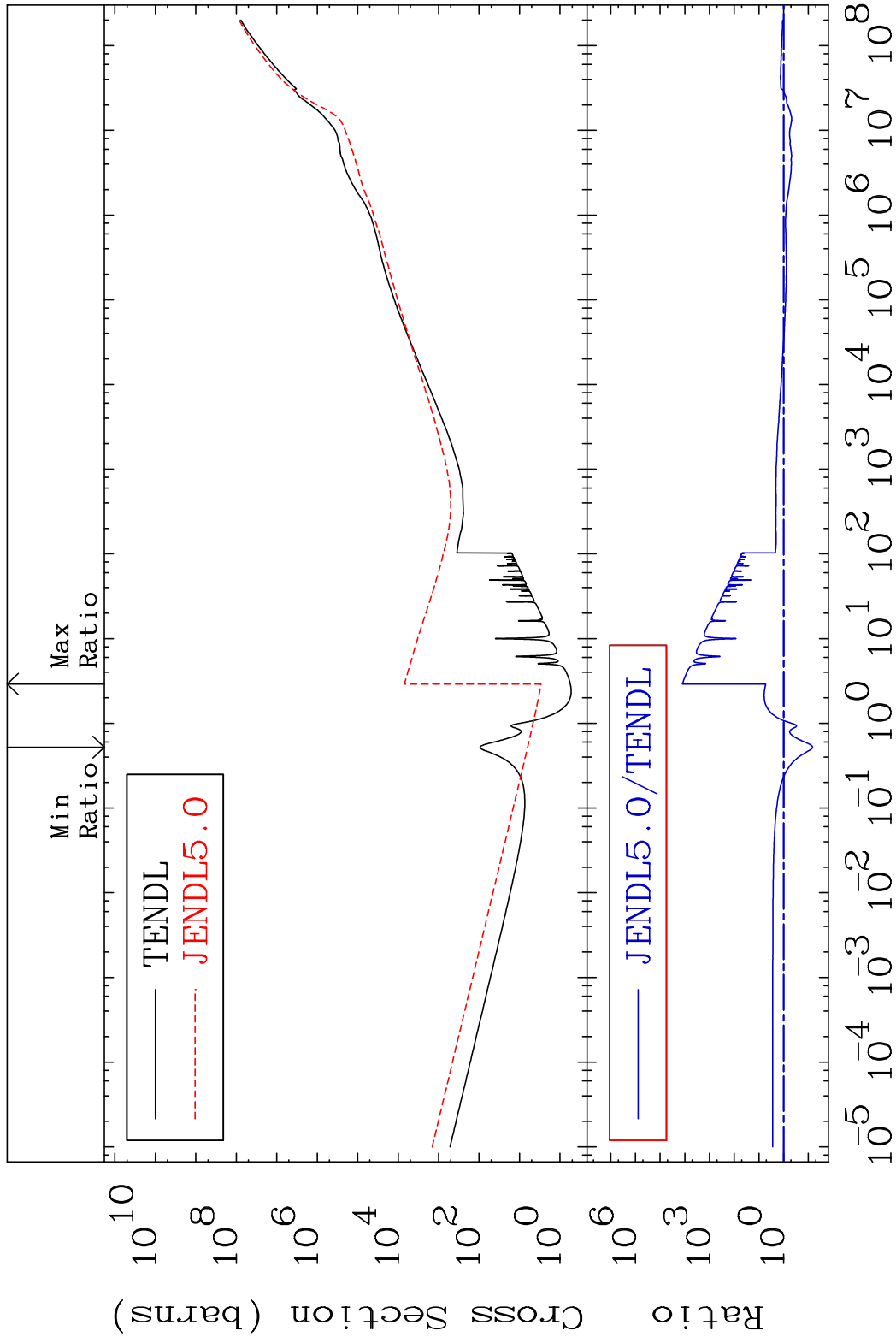
Total photon (eV-barns) 77-Ir-193m
Cross Section -95.35 To 9999. %



59

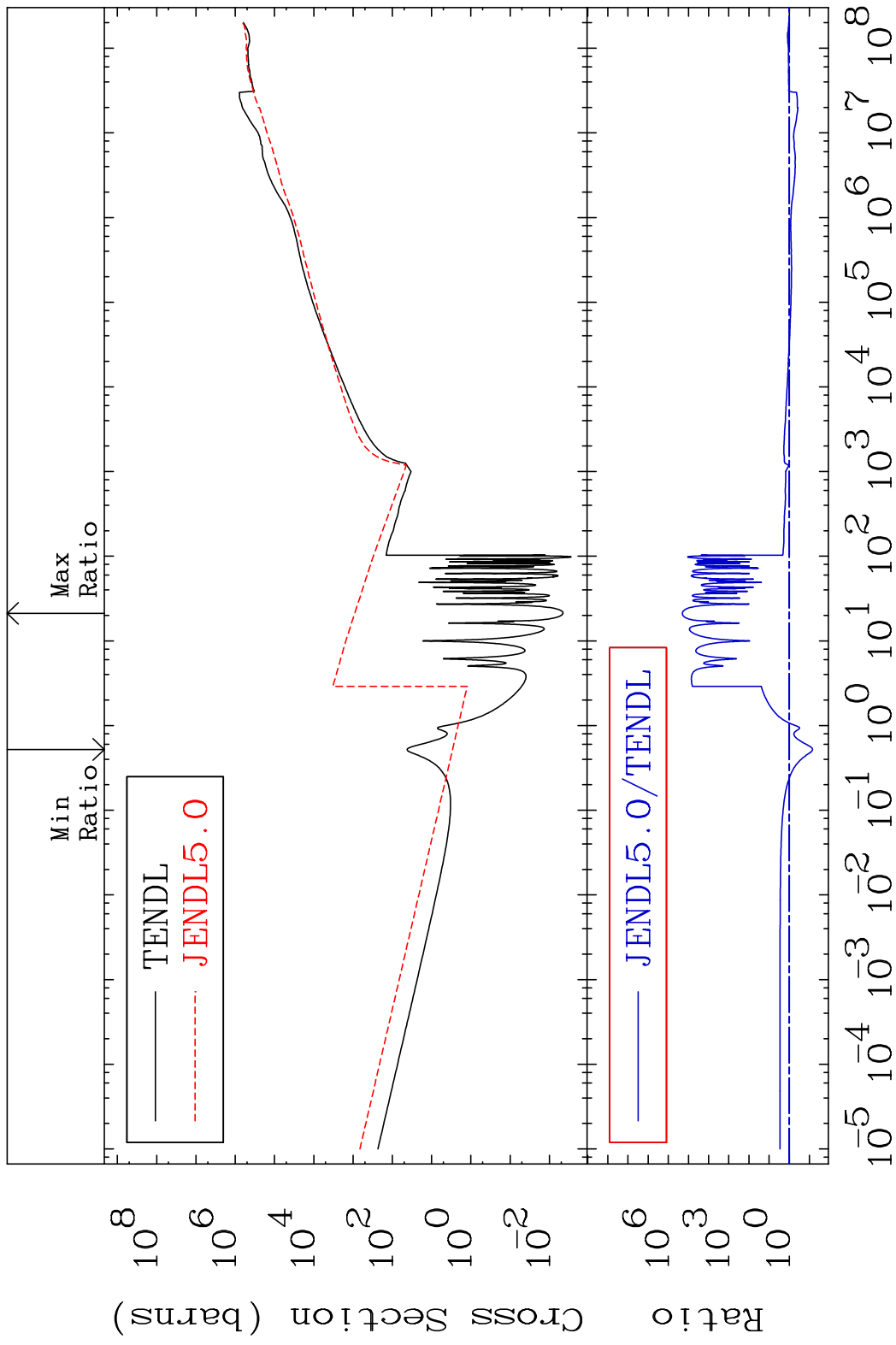
Incident Energy (eV) 77-Ir-193m

MAT 7732 Total kinematic kerma (high limit)77-Ir-193m
 Cross Section -93.29 To 9999. %



60 Incident Energy (eV) 77-Ir-193m

MAT 7732 Dpa total (eV-barns) 77-Ir-193m
 Cross Section -93.04 To 9999. %



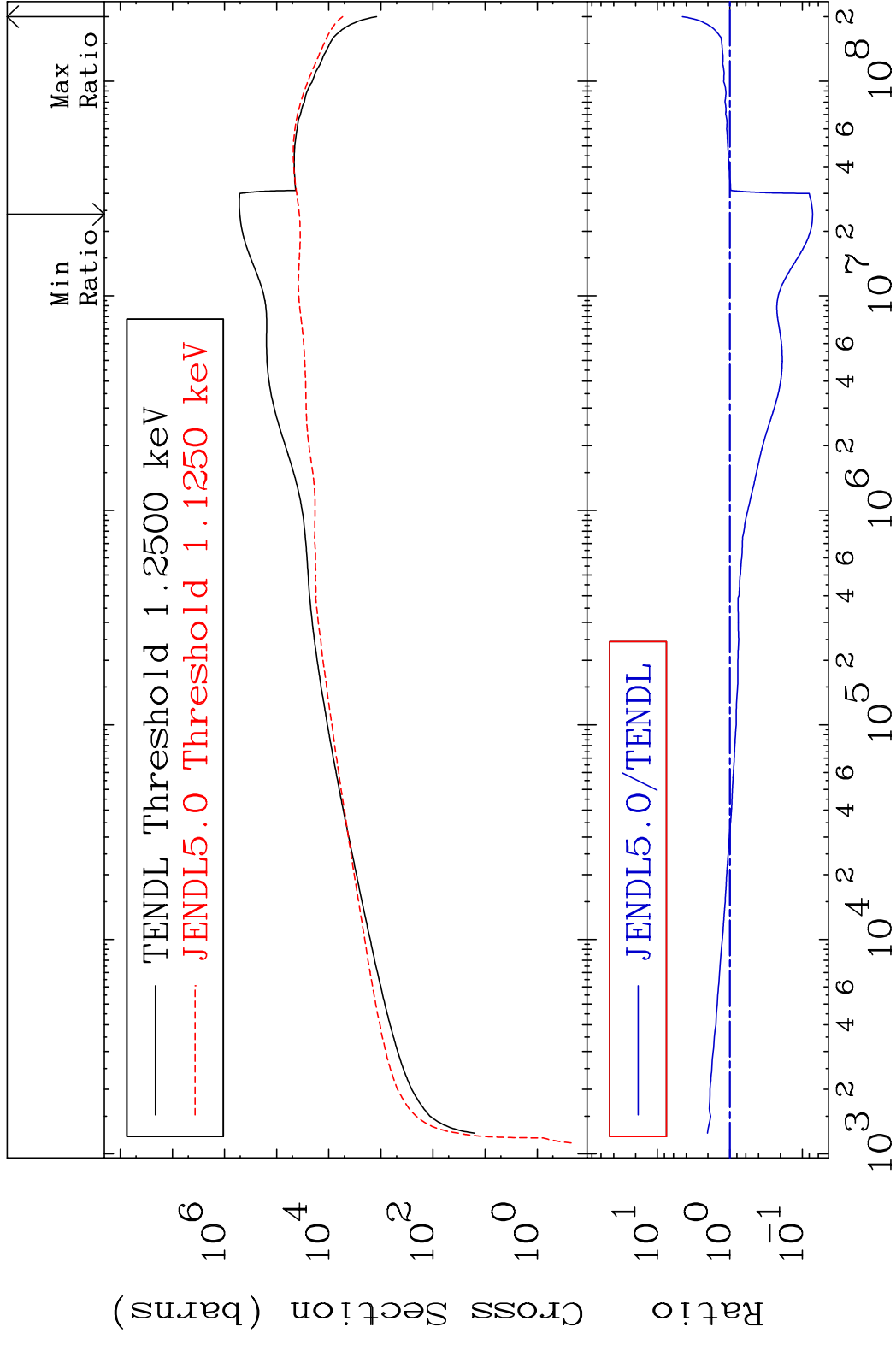
MAT 7732

Dpa elastic (mt2)

77-Ir-193m

Cross Section

-92.79 To 351.8 %



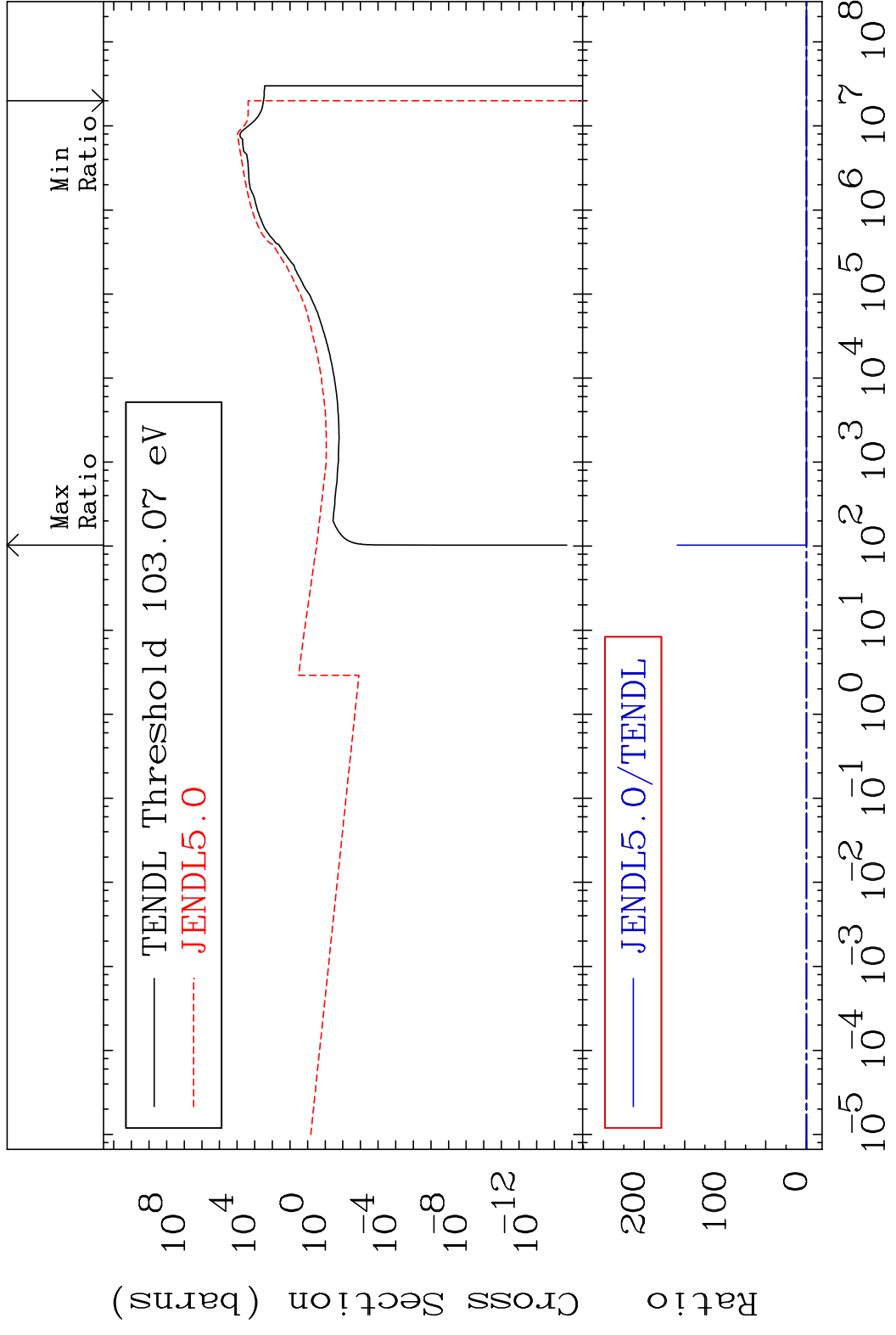
62

Incident Energy (eV)

77-Ir-193m

MAT 7732

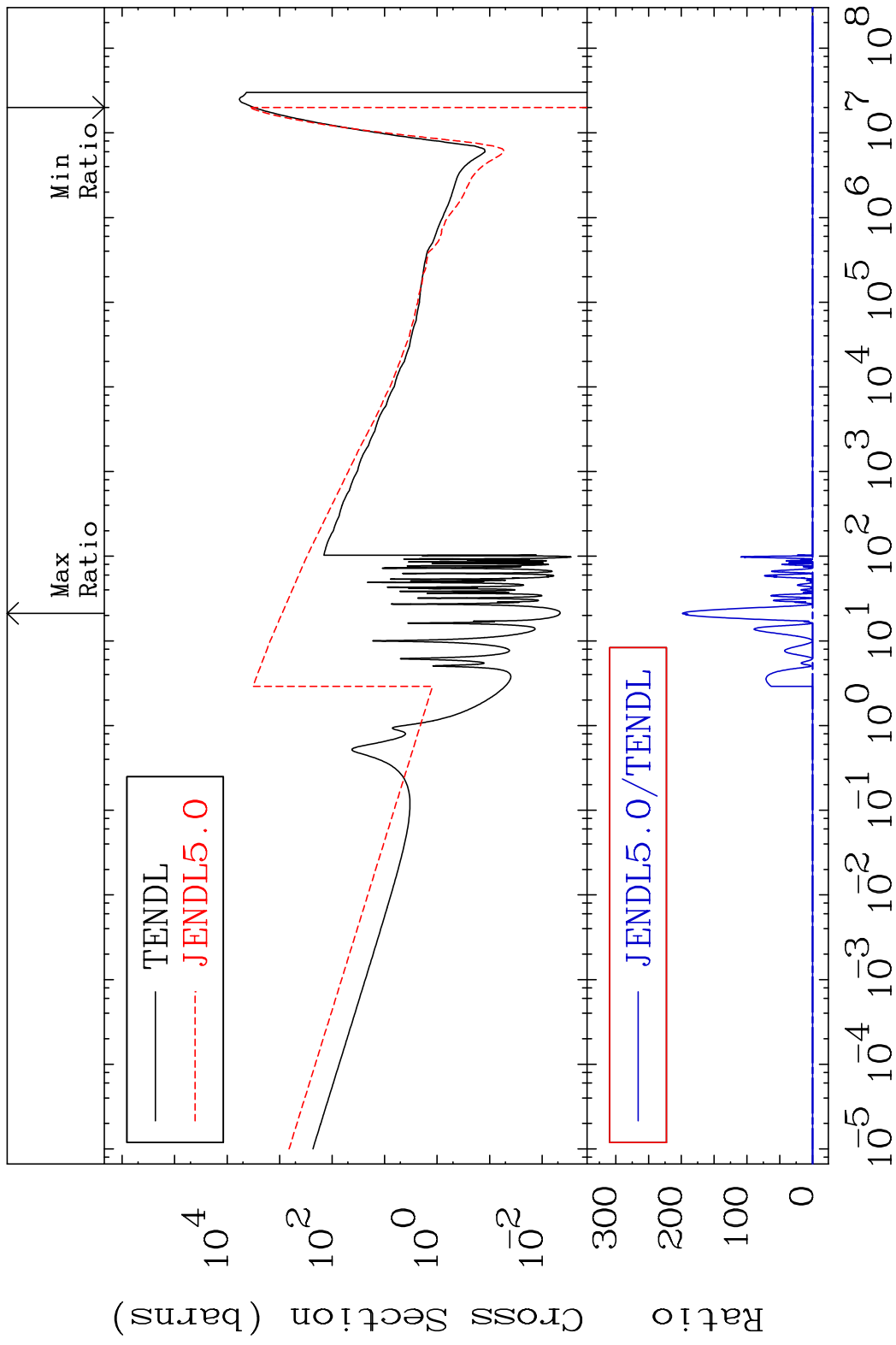
Dpa inelastic (mt51-91) 77-Ir-193m
Cross Section -100.0 To 9999. %



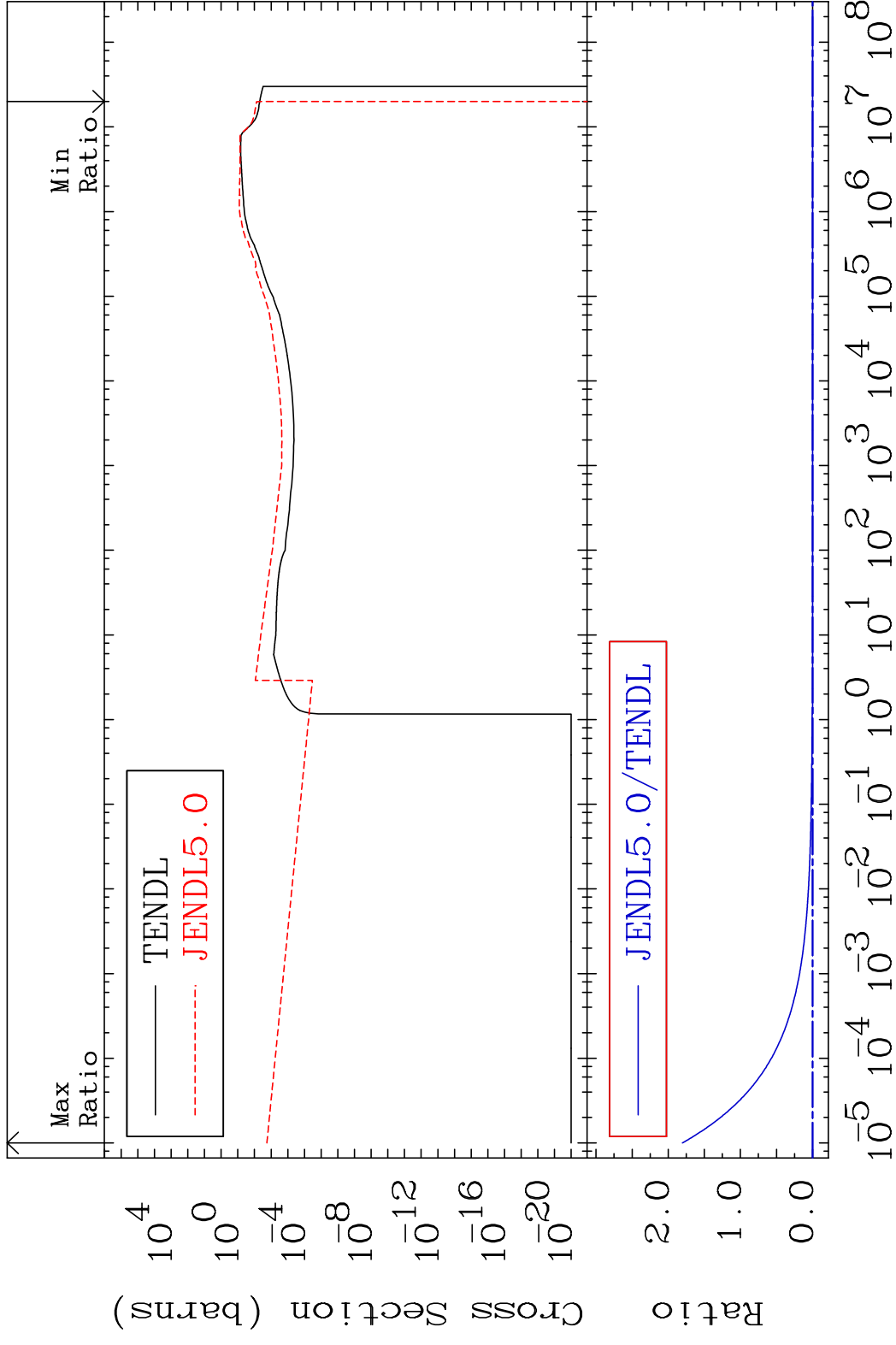
63

Incident Energy (eV) 77-Ir-193m

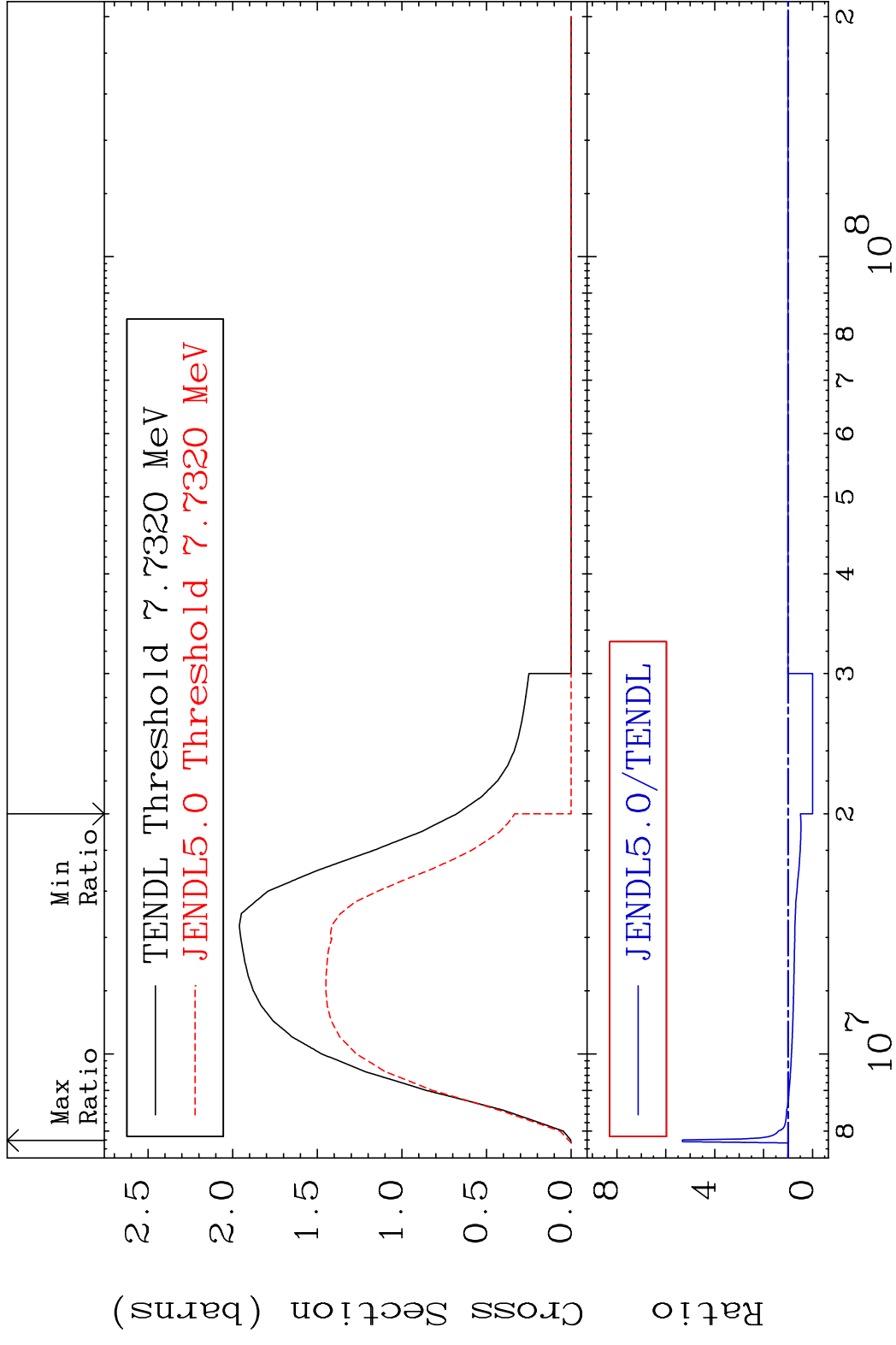
MAT 7732 Dpa disappearance (mt102 -120) 77-Ir-193m
 Cross Section -100.0 To 9999. %



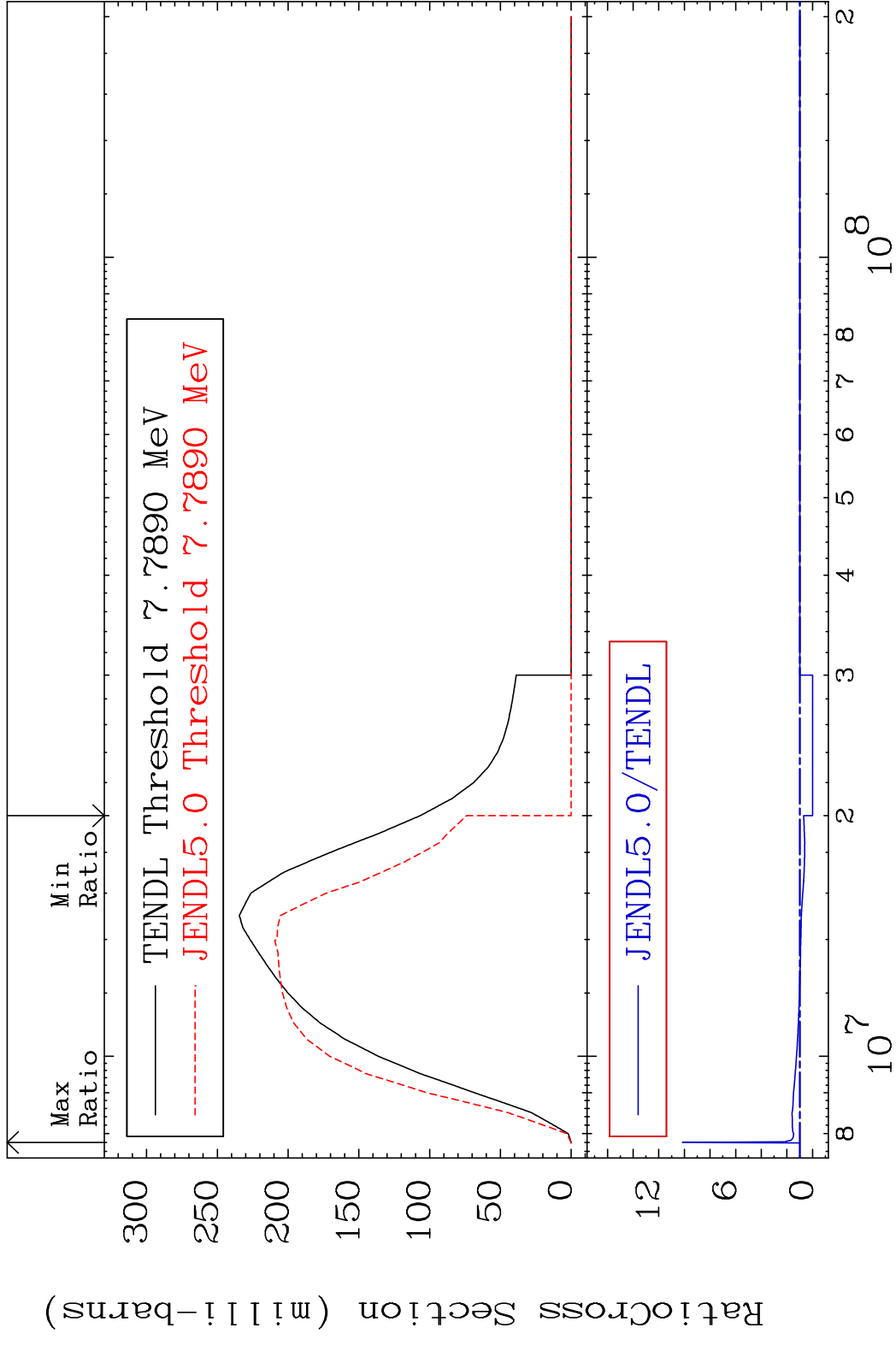
MAT 7732 Inelastic:77-Ir-193g 77-Ir-193m
 Radionuclide Production Cross Section Ratio 9999. %



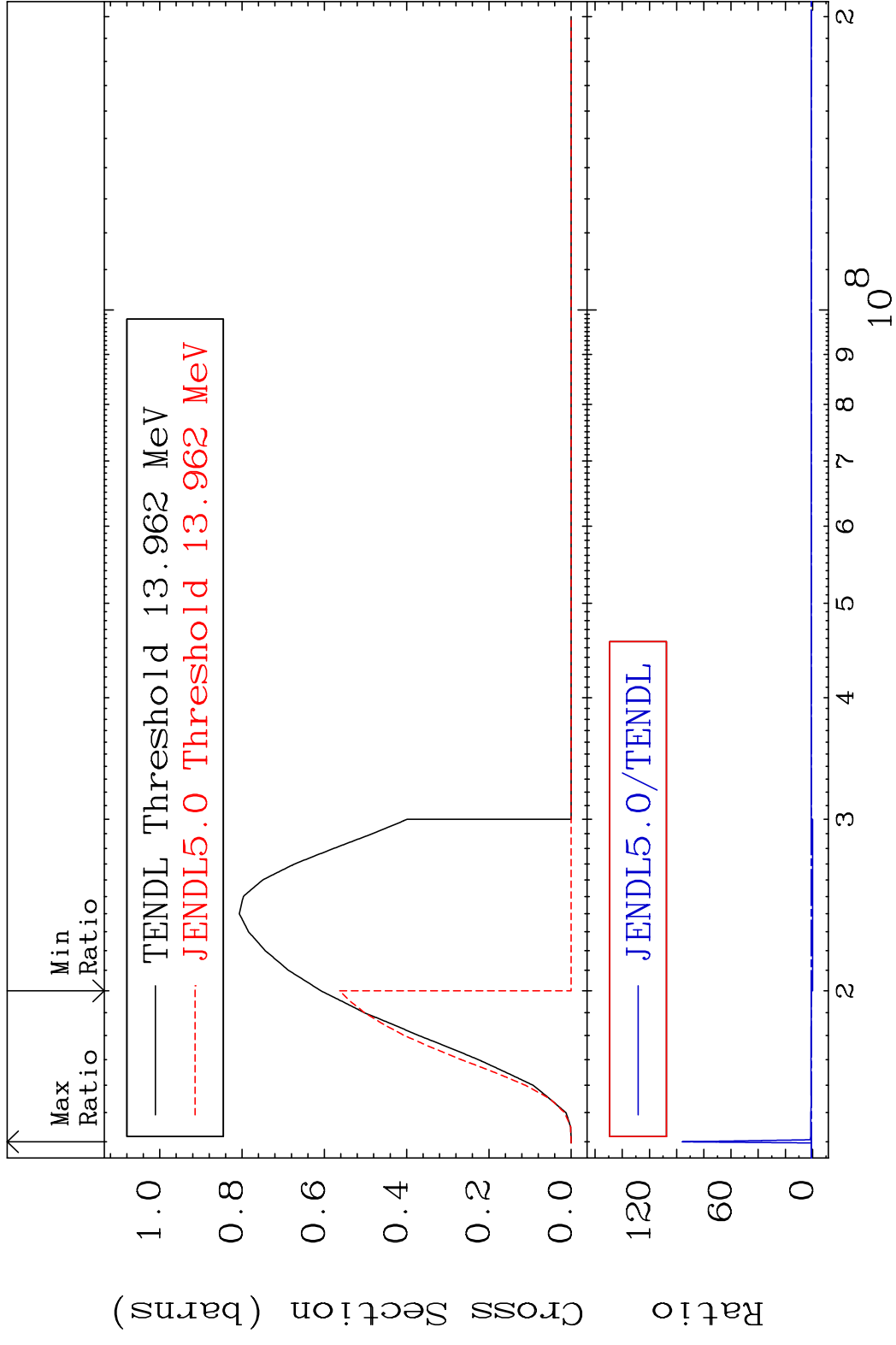
MAT 7732 (n,2n):77-Ir-192g 77-Ir-193m
 Radionuclide Production Cross Section 180.01 dth 432.2 %



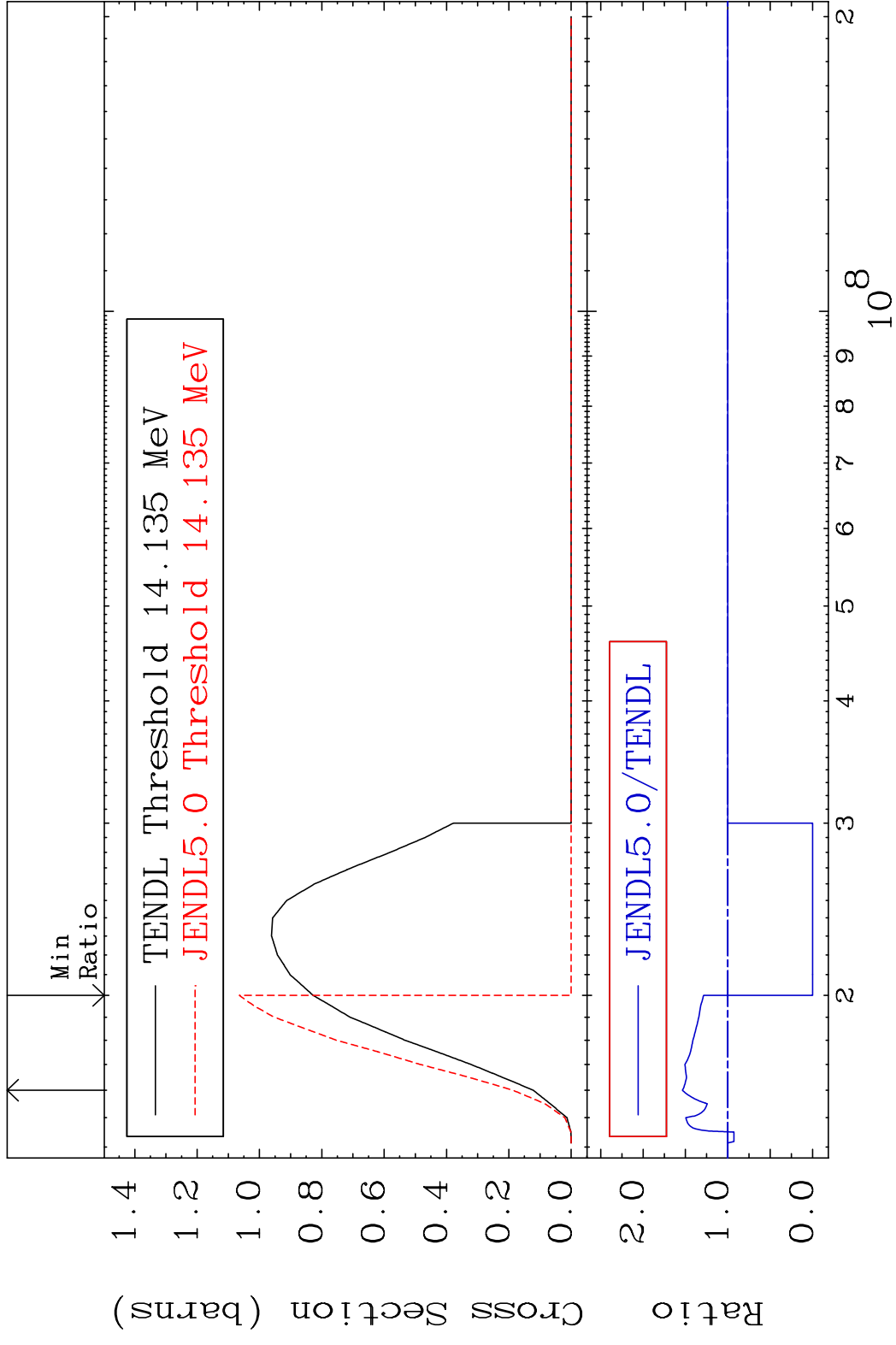
MAT 7732 (n, 2n): 77-Ir-192m3 77-Ir-193m
 Radionuclide Production Cross Section Ratio 915.8 %



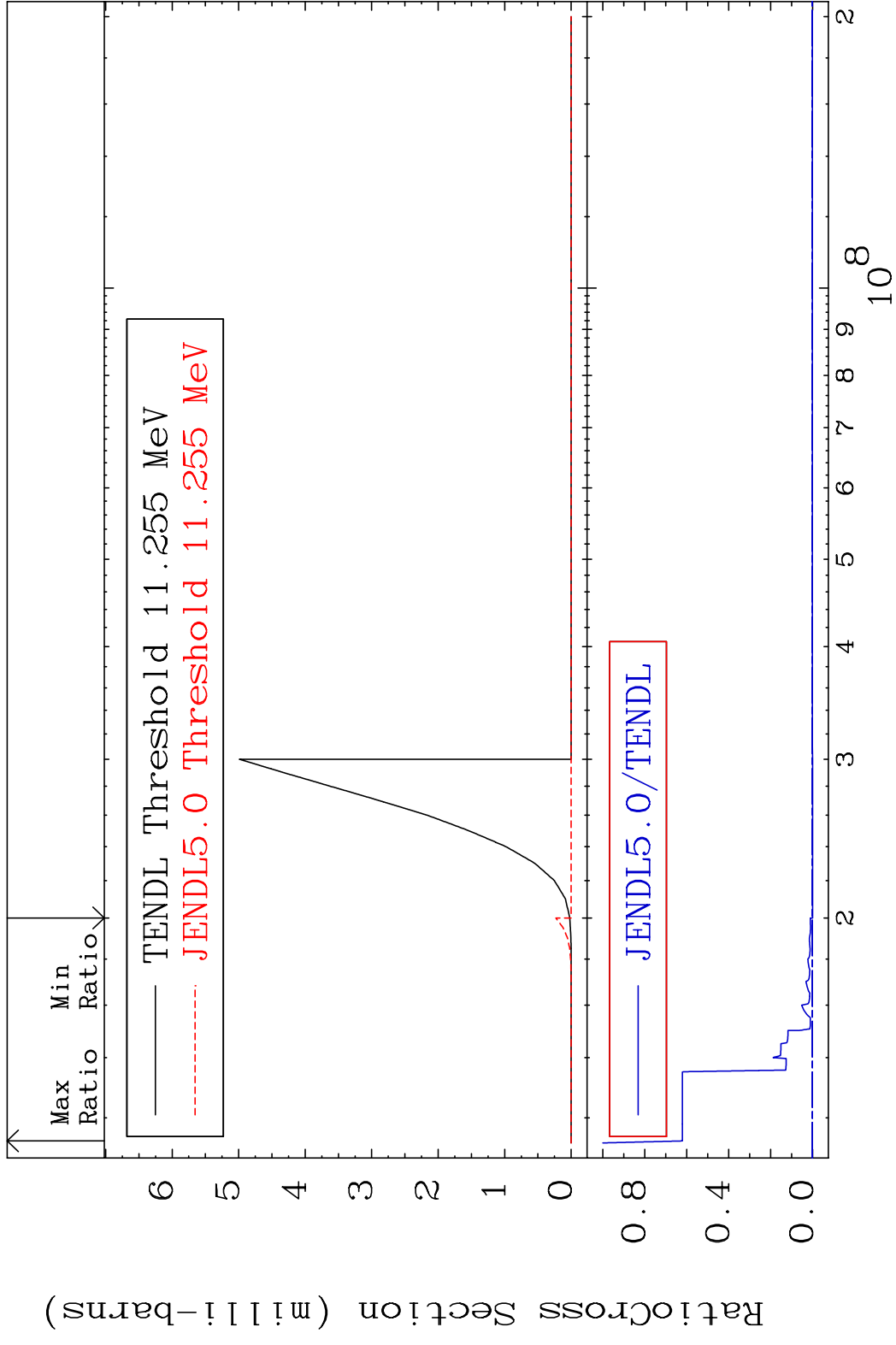
MAT 7732 (n,3n):77-Ir-191g 77-Ir-193m
 Radionuclide Production Cross Section to 9480. %

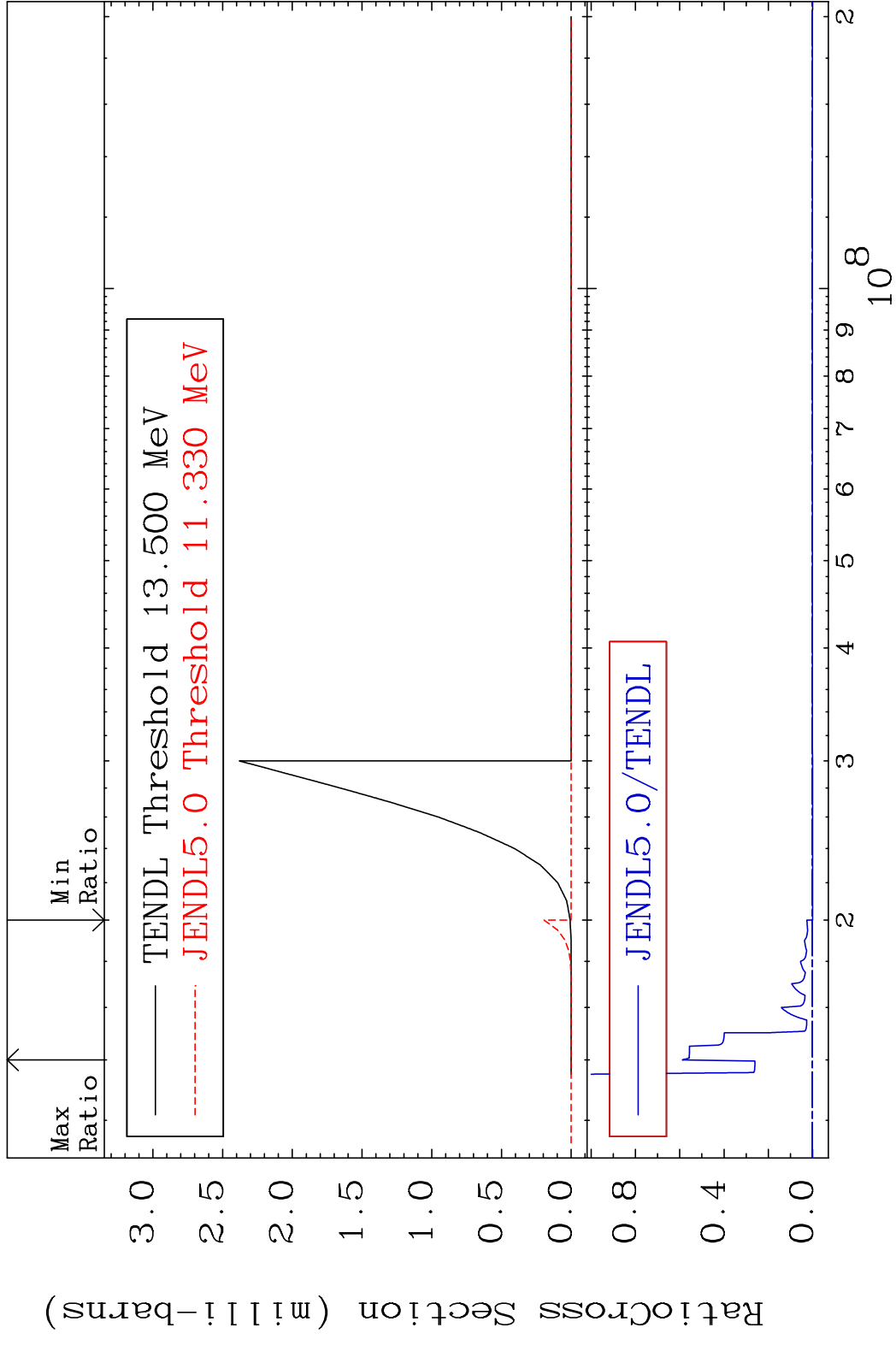


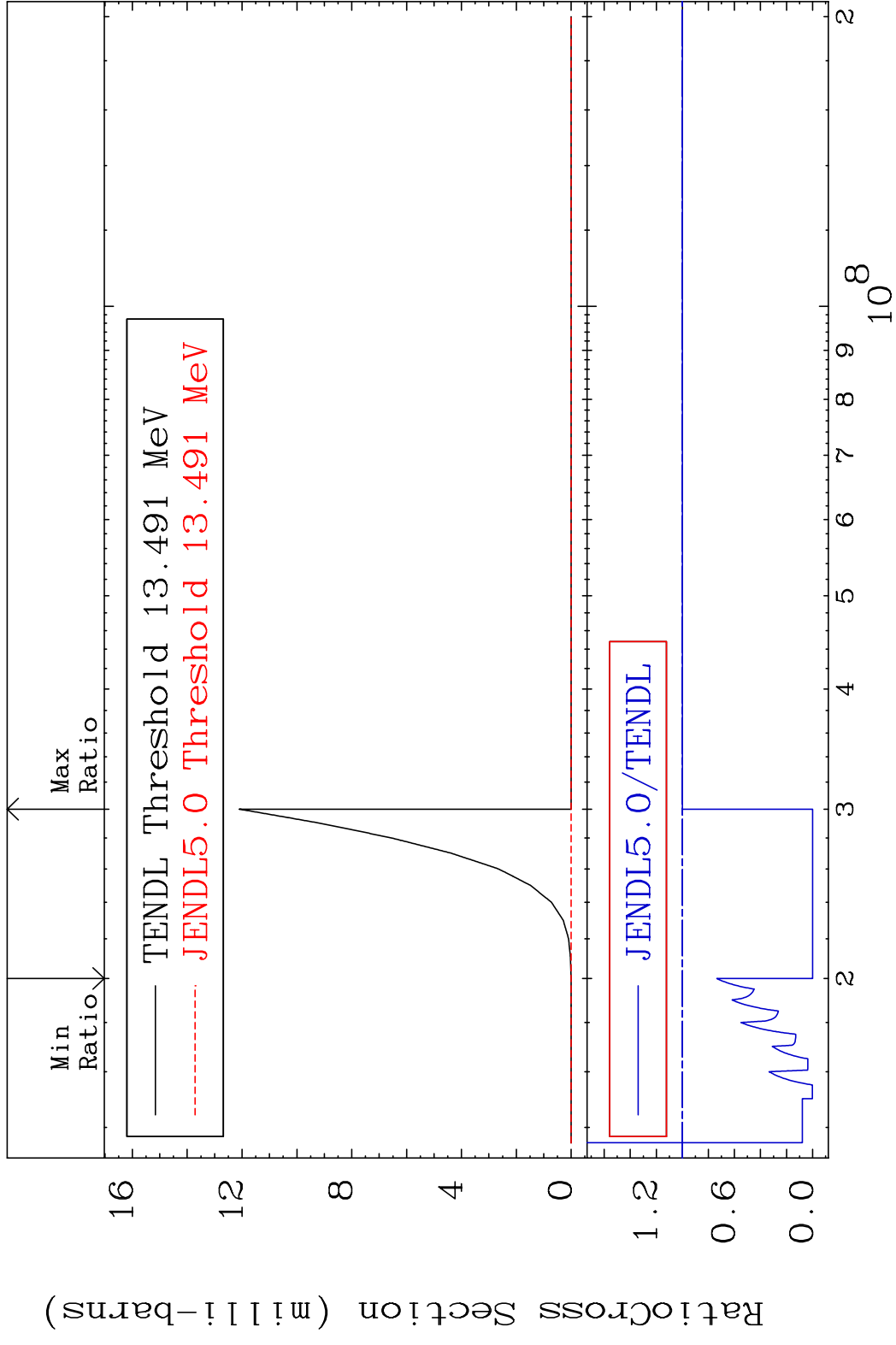
MAT 7732 (n, 3n): 77-Ir-191m3 77-Ir-193m
 Radionuclide Production Cross Section 180.01 dth 53.67 %

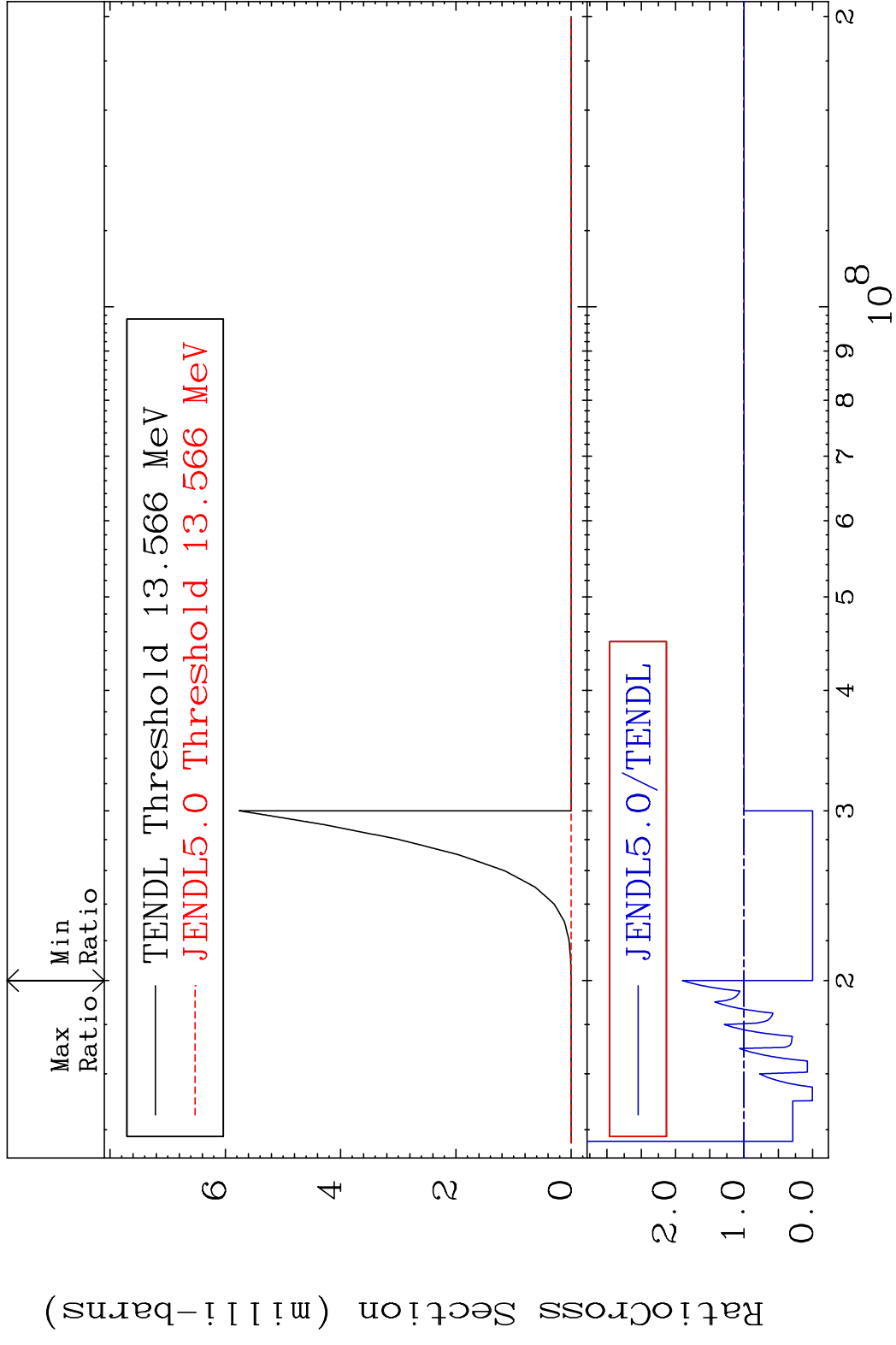


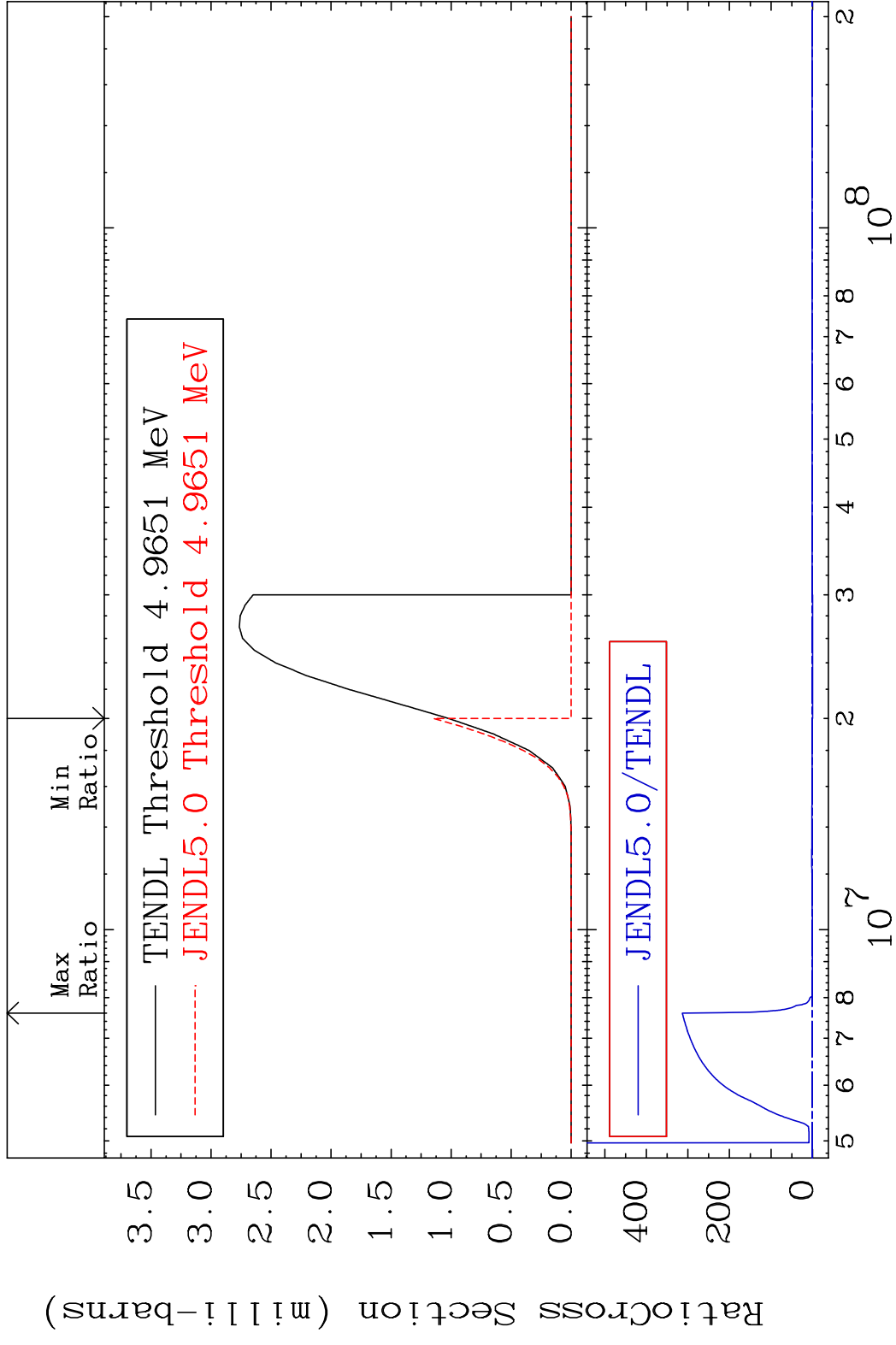
MAT 7732 (n, n') d:76-0s-191g 77-Ir-193m
 Radionuclide Production Cross Section Ratio 9999. %



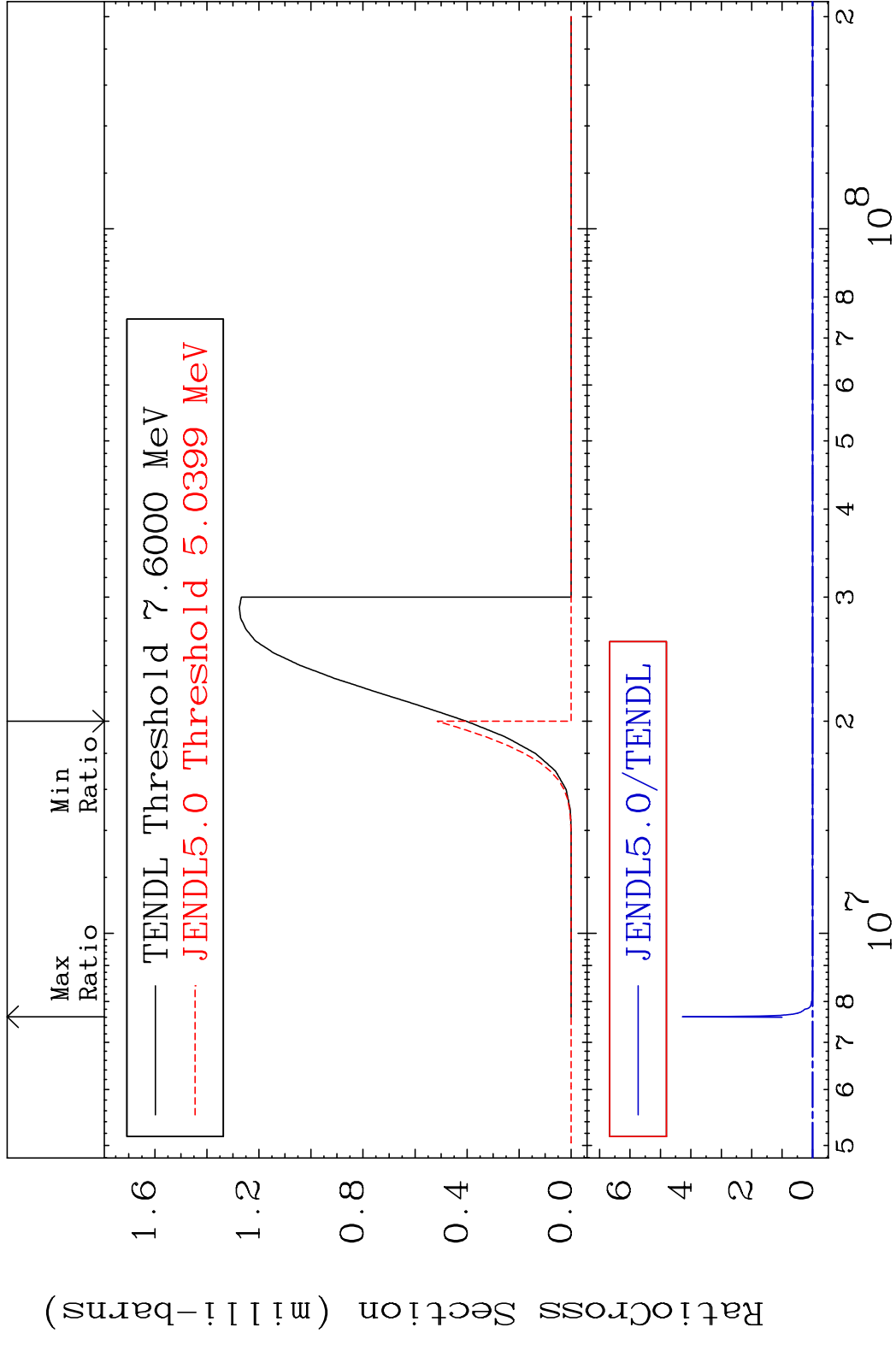








MAT 7732 (n, t): 76-Os-191m1 77-Ir-193m
 Radionuclide Production Cross Section 1000000 9999. %



75 Incident Energy (eV) 77-Ir-193m