

Program Complot
(Version 2021-1)

by

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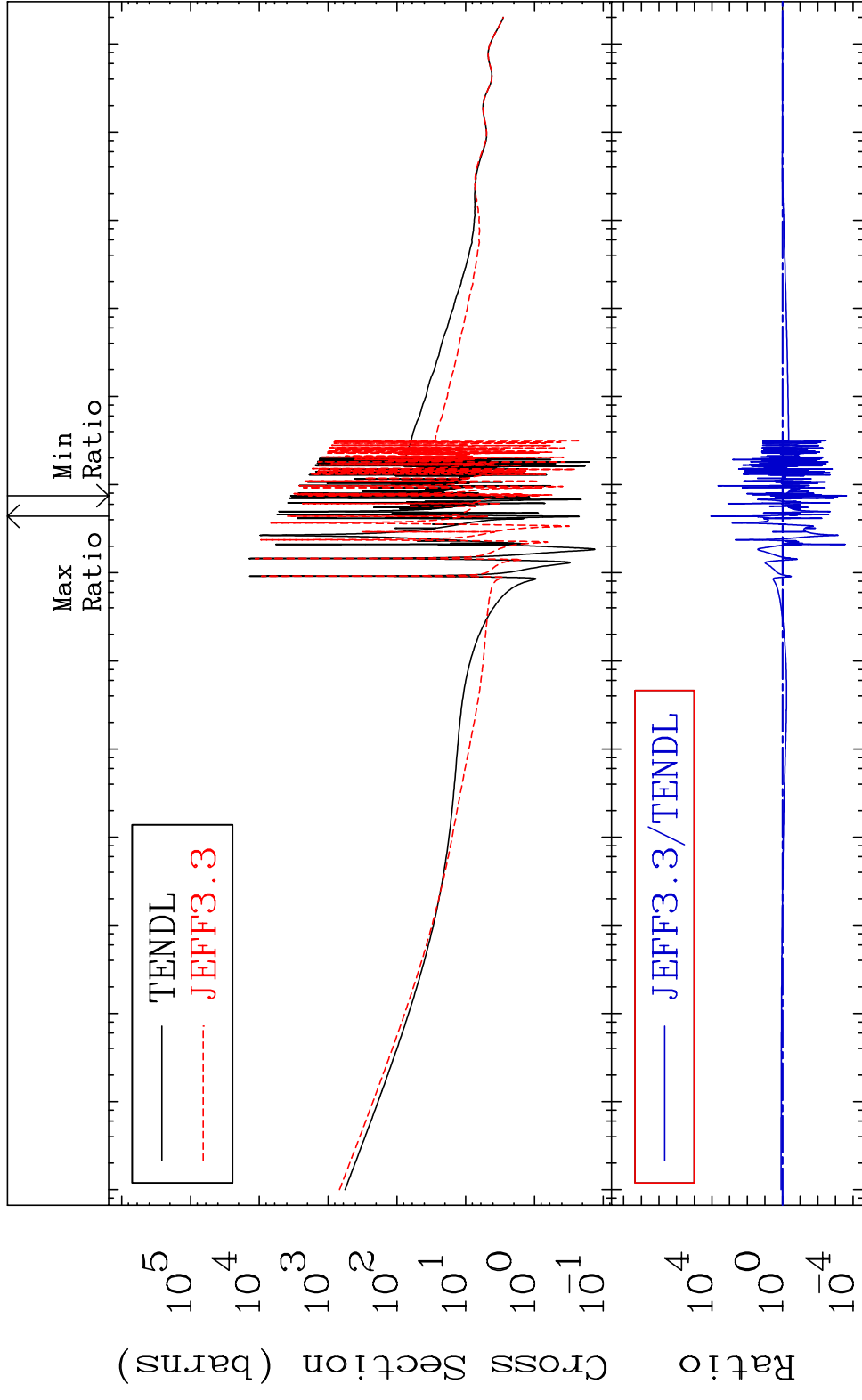
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 7643

Total Cross Section -99.98 To 9999. %
76-0s-190



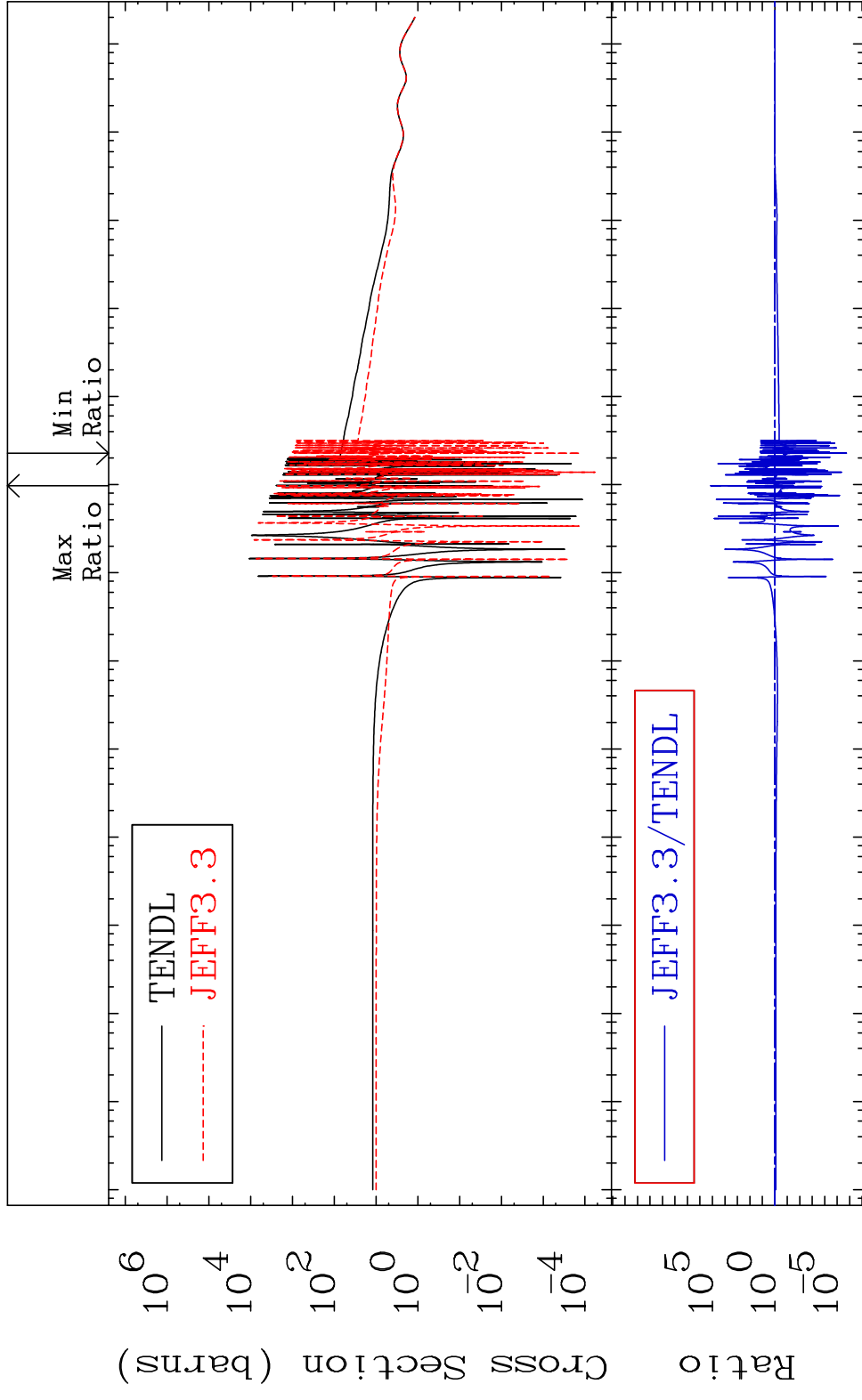
1 Incident Energy (eV) 76-0s-190

MAT 7643

76-0s-190

Elastic

Cross Section -100.0 To 9999. %



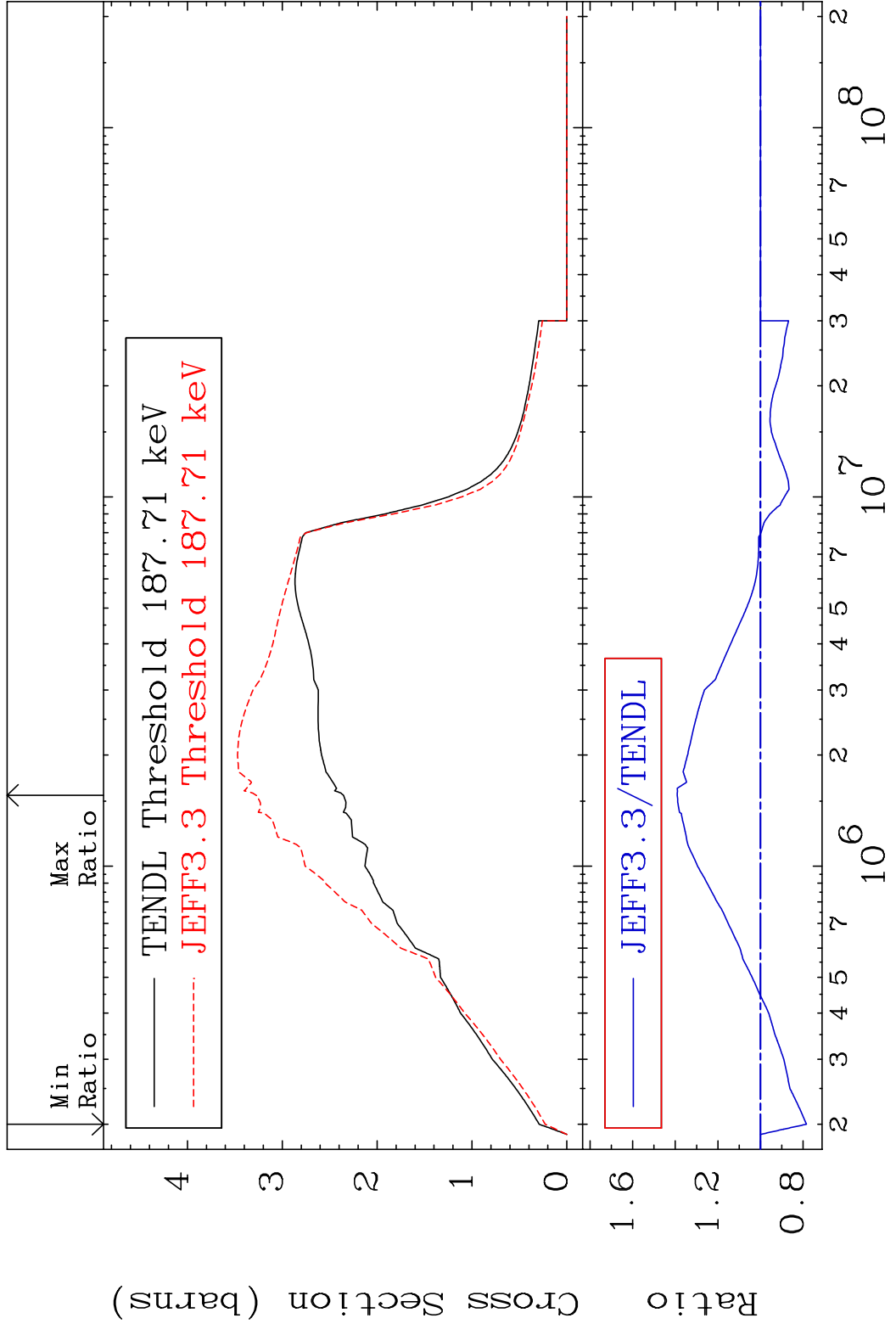
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

76-0s-190

MAT 7643 Inelastic 76-0s-190
 Cross Section -21.58 To 39.11 %



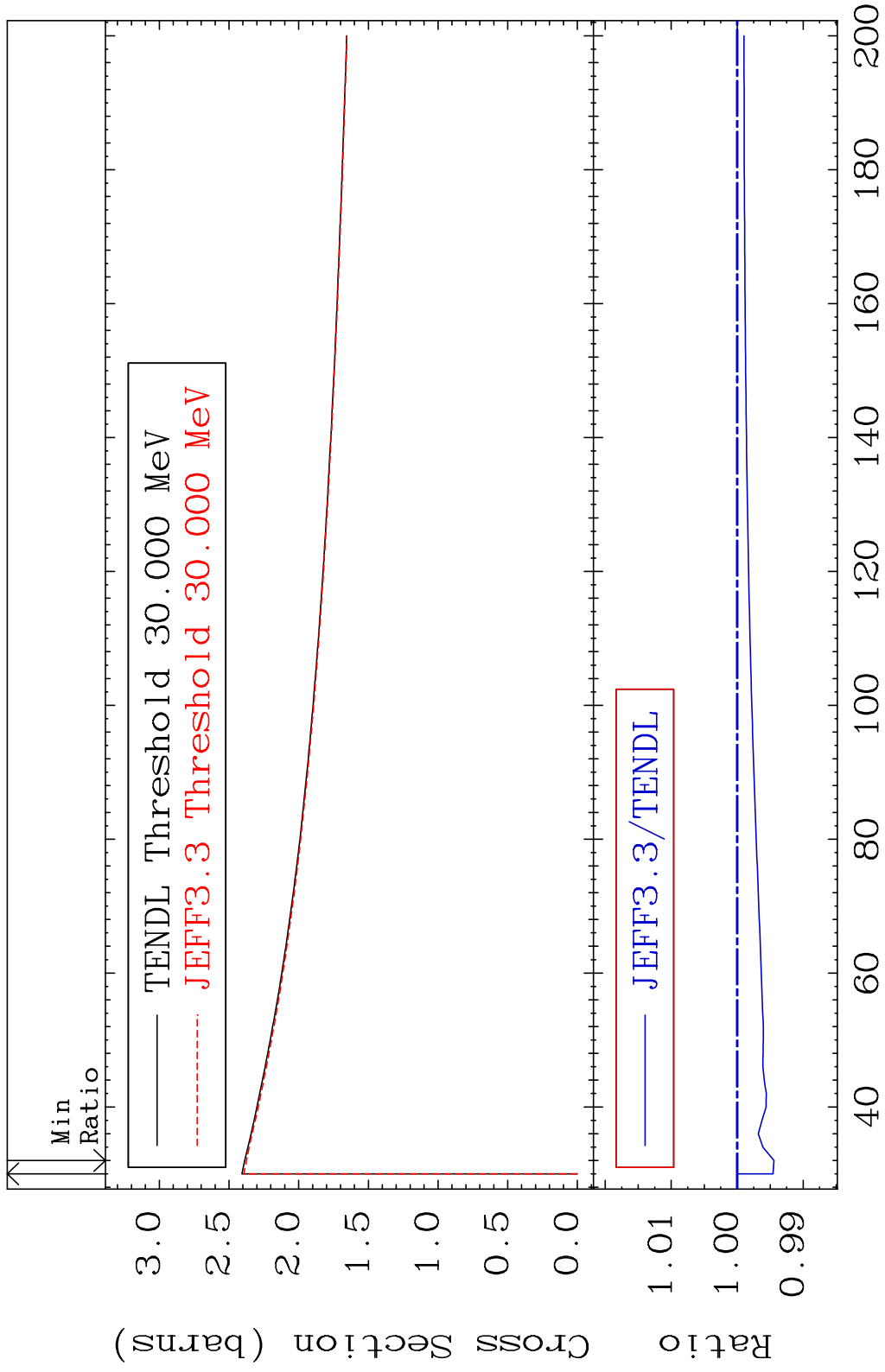
3 Incident Energy (eV) 76-0s-190

MAT 7643

(n, remainder)

76-0s-190

Cross Section -0.557 To 0.000 %

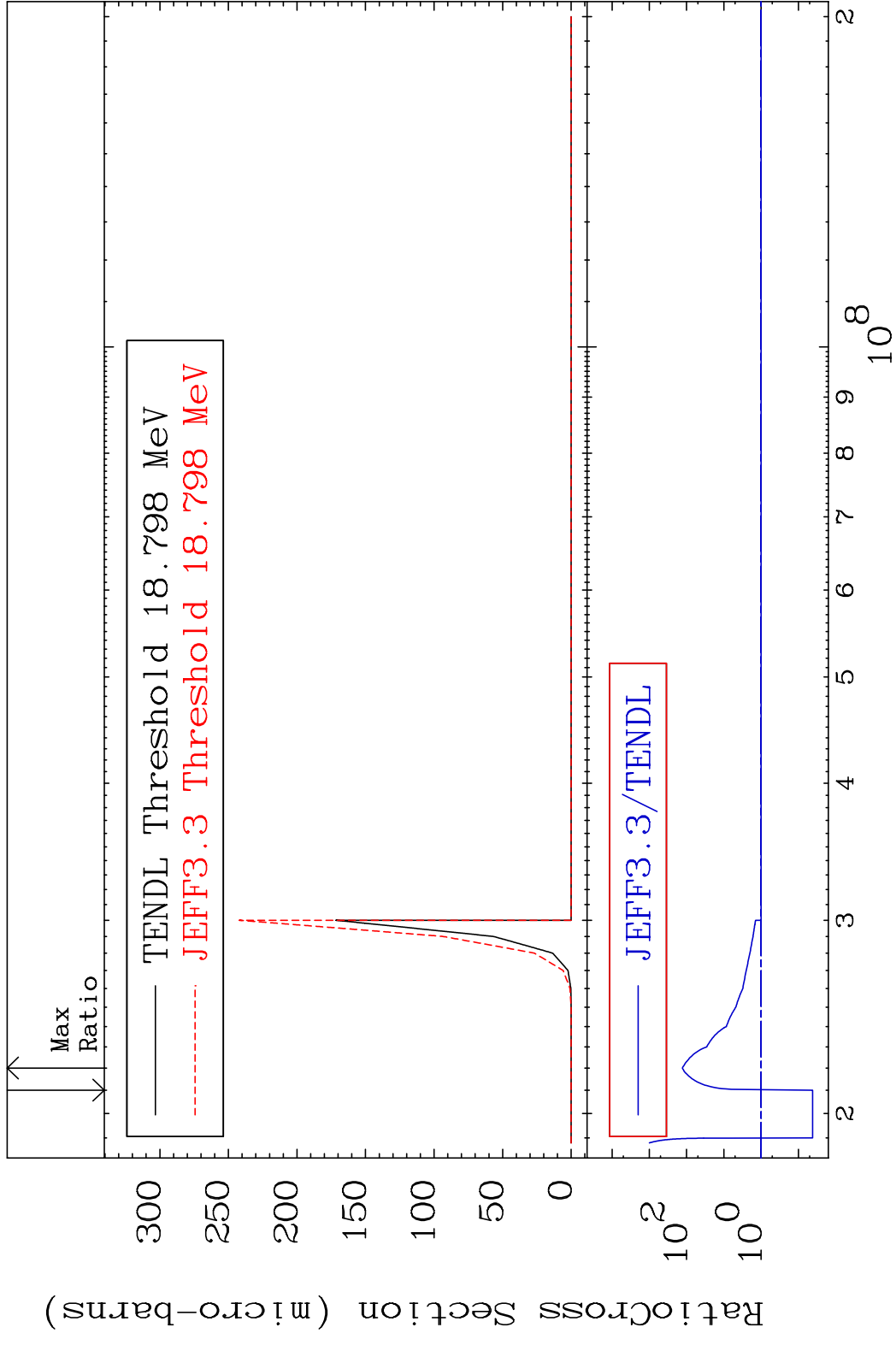


MAT 7643

(n,2n) d

76-0s-190

Cross Section -95.83 To 9999. %

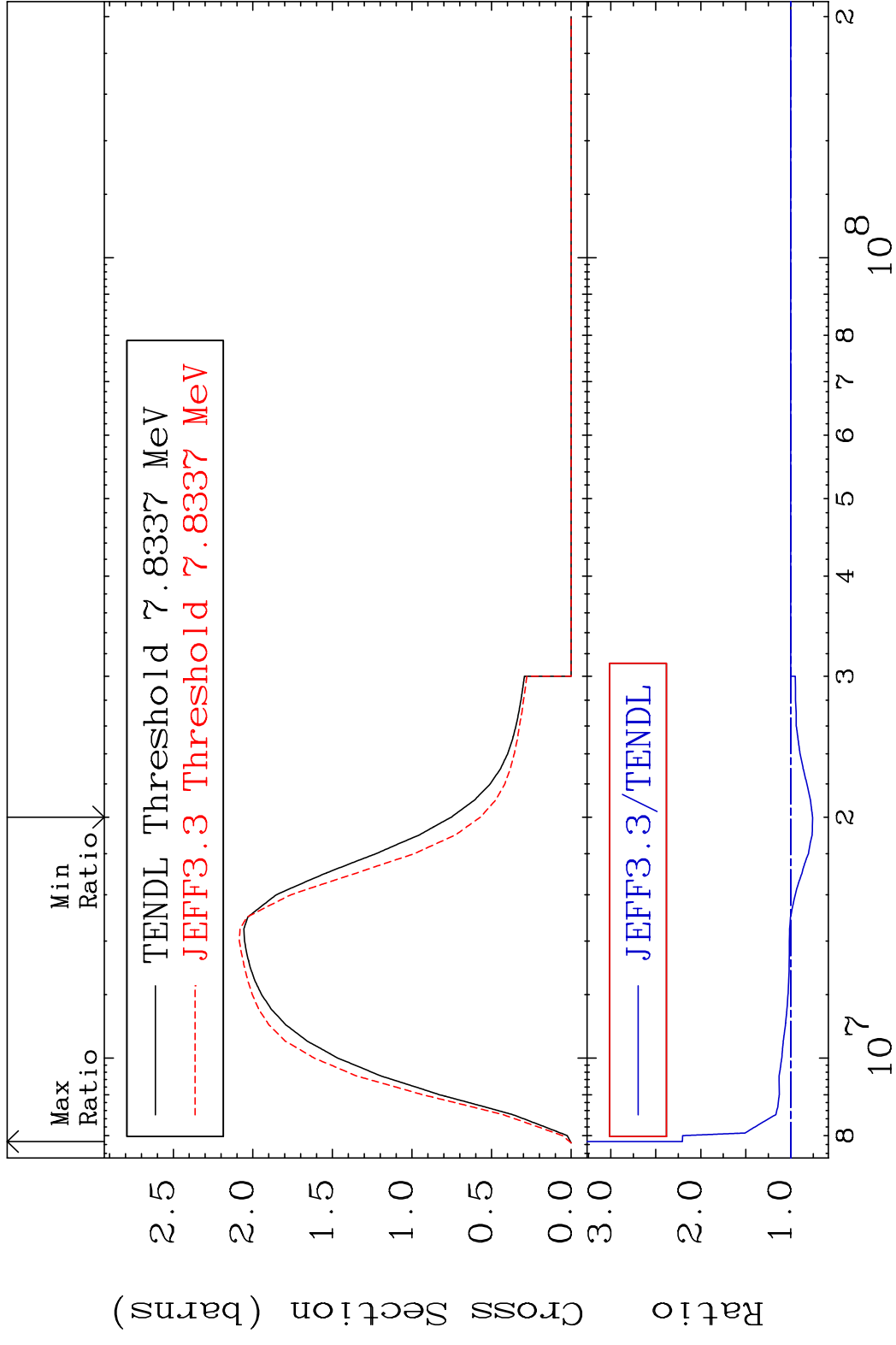


5

Incident Energy (eV)

76-0s-190

MAT 7643 (n,2n) 76-0s-190
 Cross Section -24.26 To 120.5 %



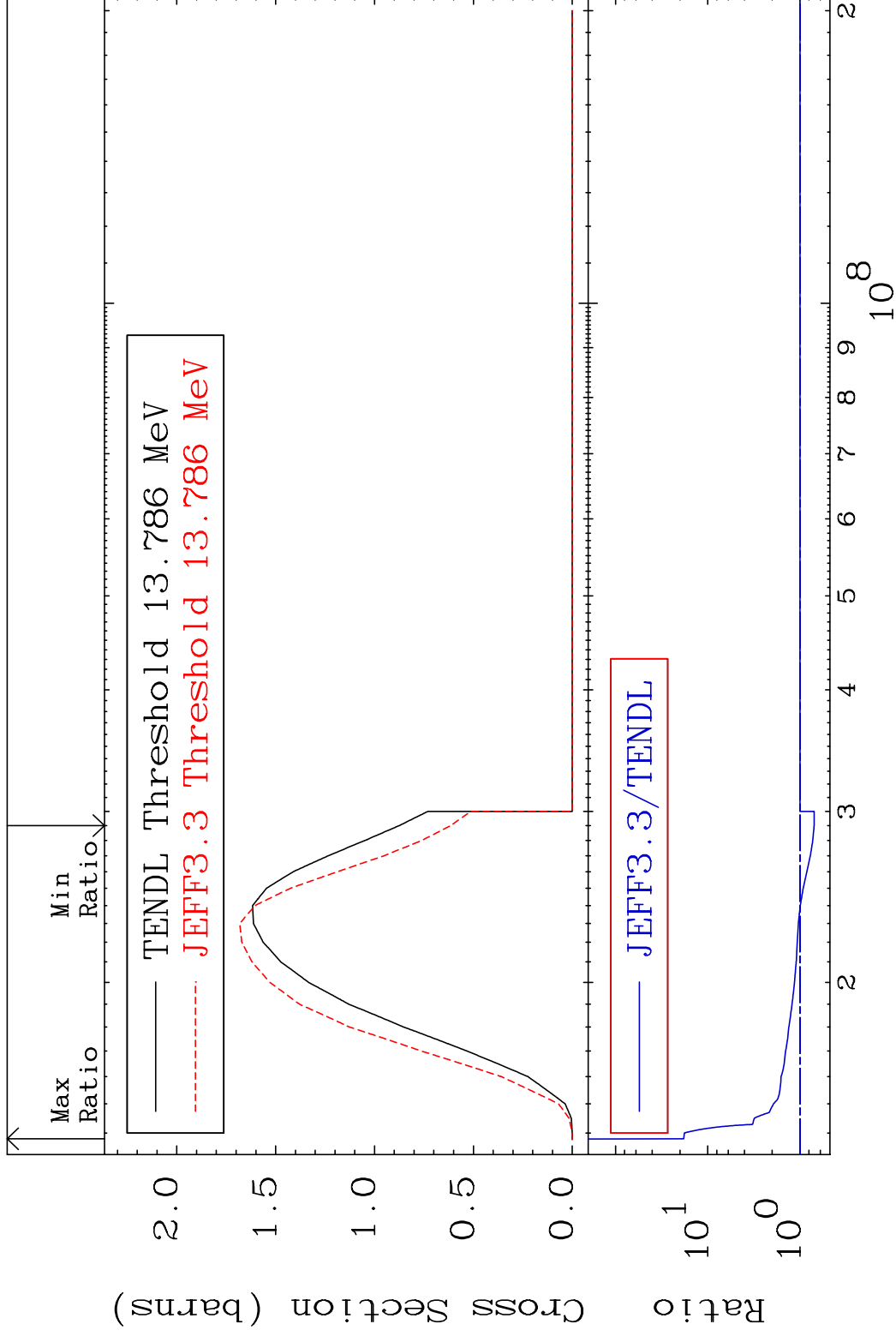
6 Incident Energy (eV) 76-0s-190

MAT 7643

(n,3n)

76-0s-190

Cross Section -29.75 To 1727. %



7

Incident Energy (eV)

76-0s-190

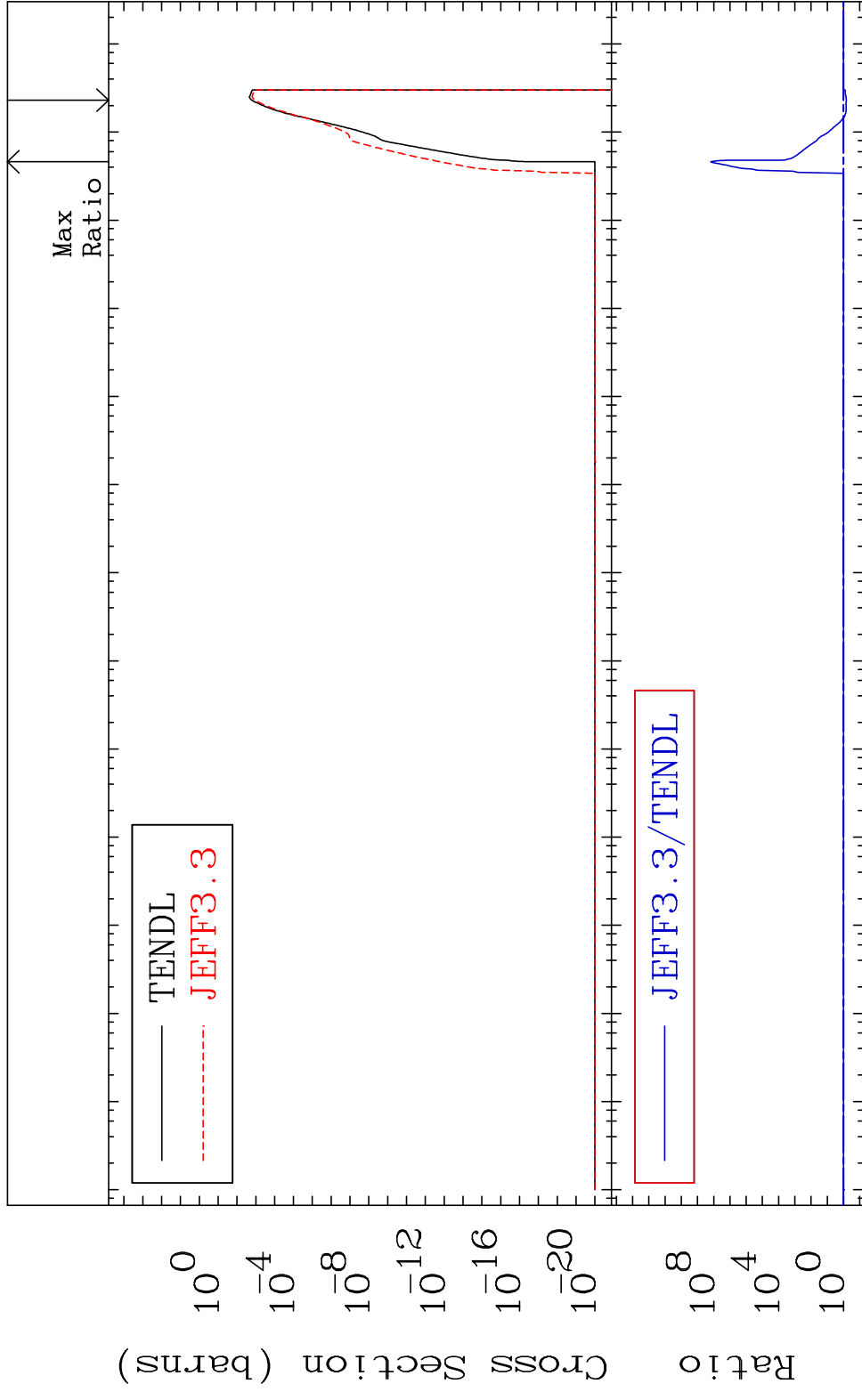
MAT 7643

(n, n') α

76-0s-190

Cross Section

-33.04 To 9999. %

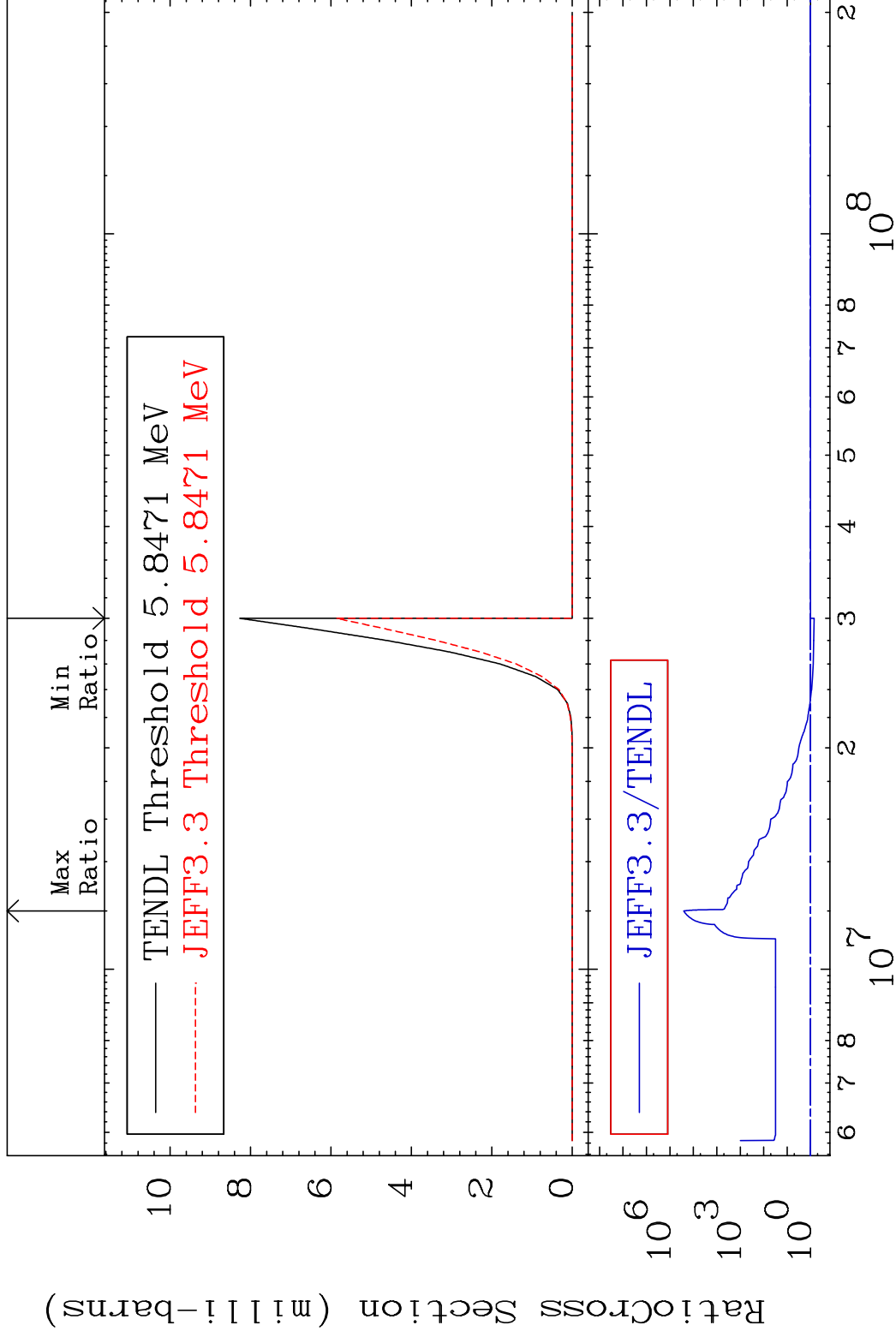


MAT 7643

(n,2n) α

76-0s-190

Cross Section -29.05 To 9999. %

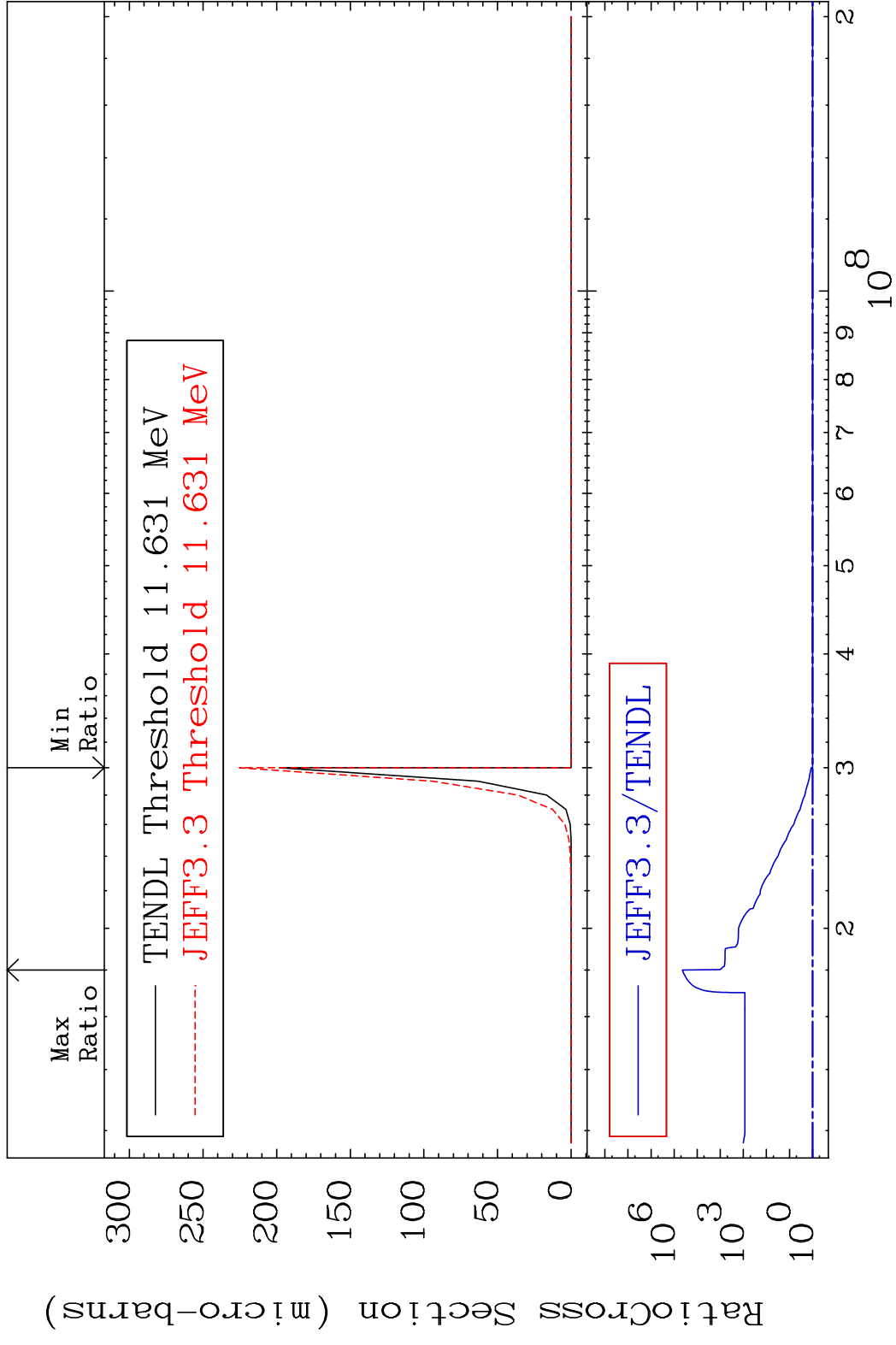


9

Incident Energy (eV)

76-0s-190

MAT 7643 (n,3n) α 76-0s-190
 Cross Section 0.000 To 9999. %



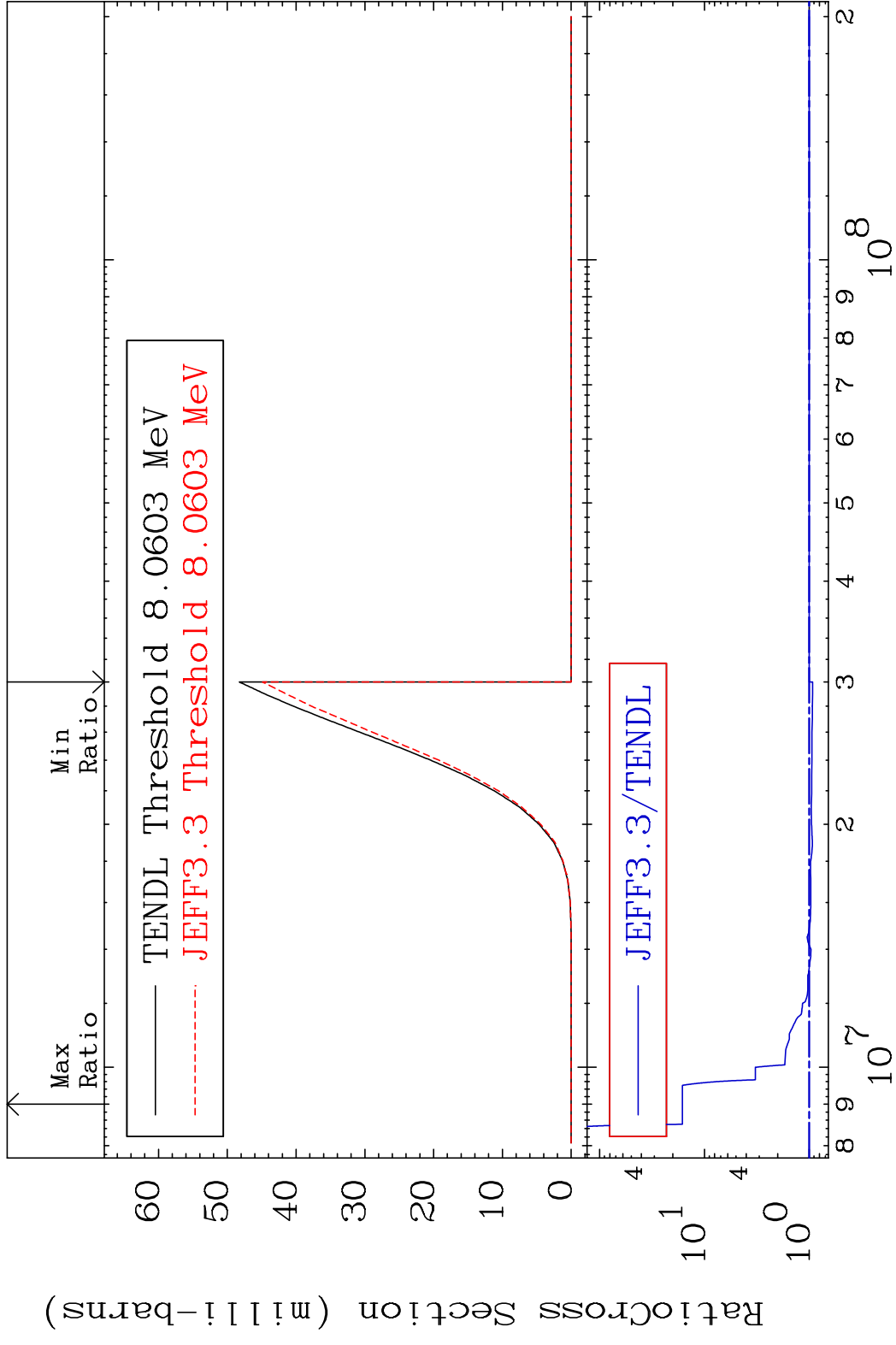
10 Incident Energy (eV) 76-0s-190

MAT 7643

(n, n') p

76-0s-190

Cross Section -7.014 To 1525. %



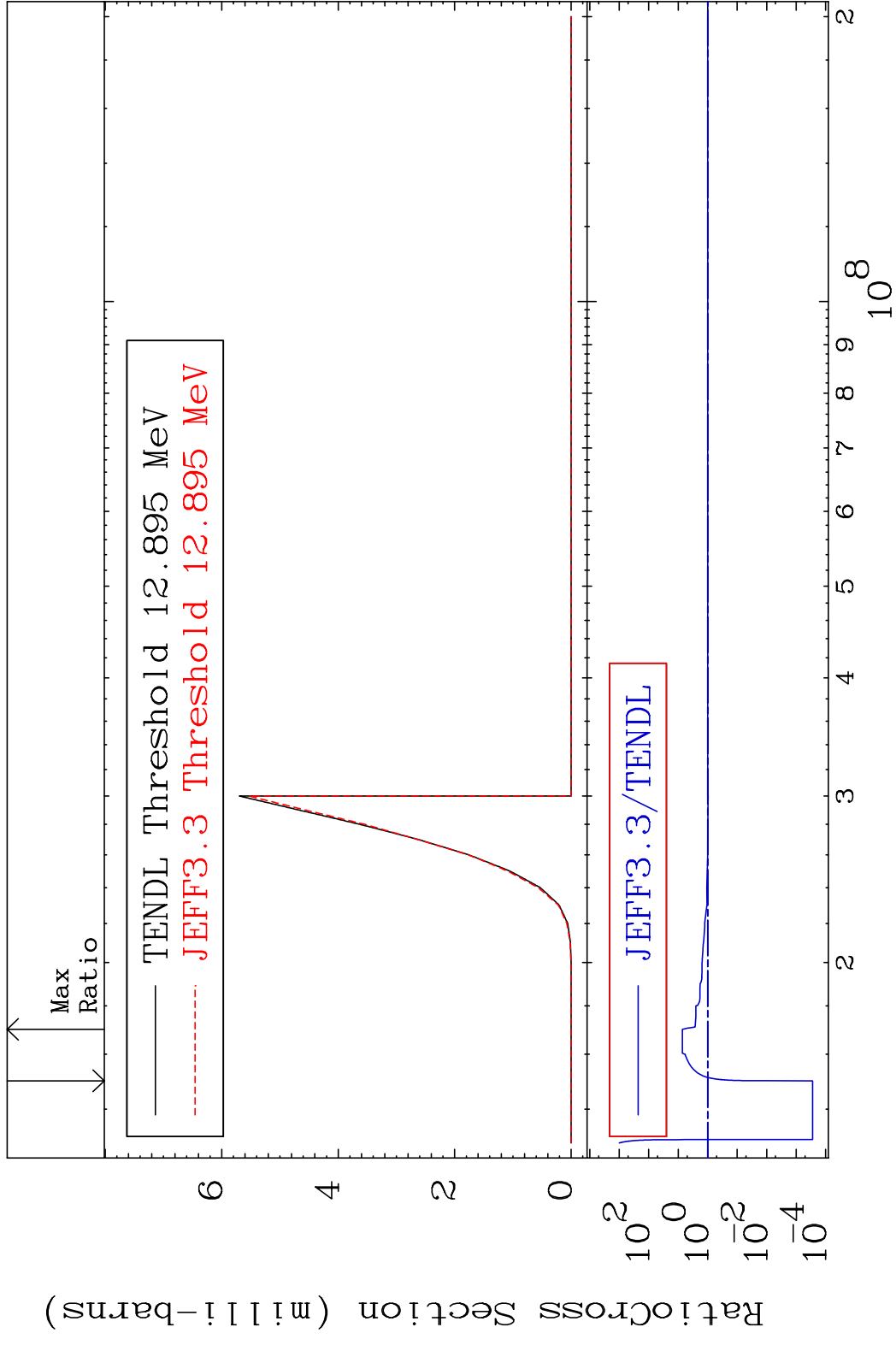
MAT 7643

(n, n') d

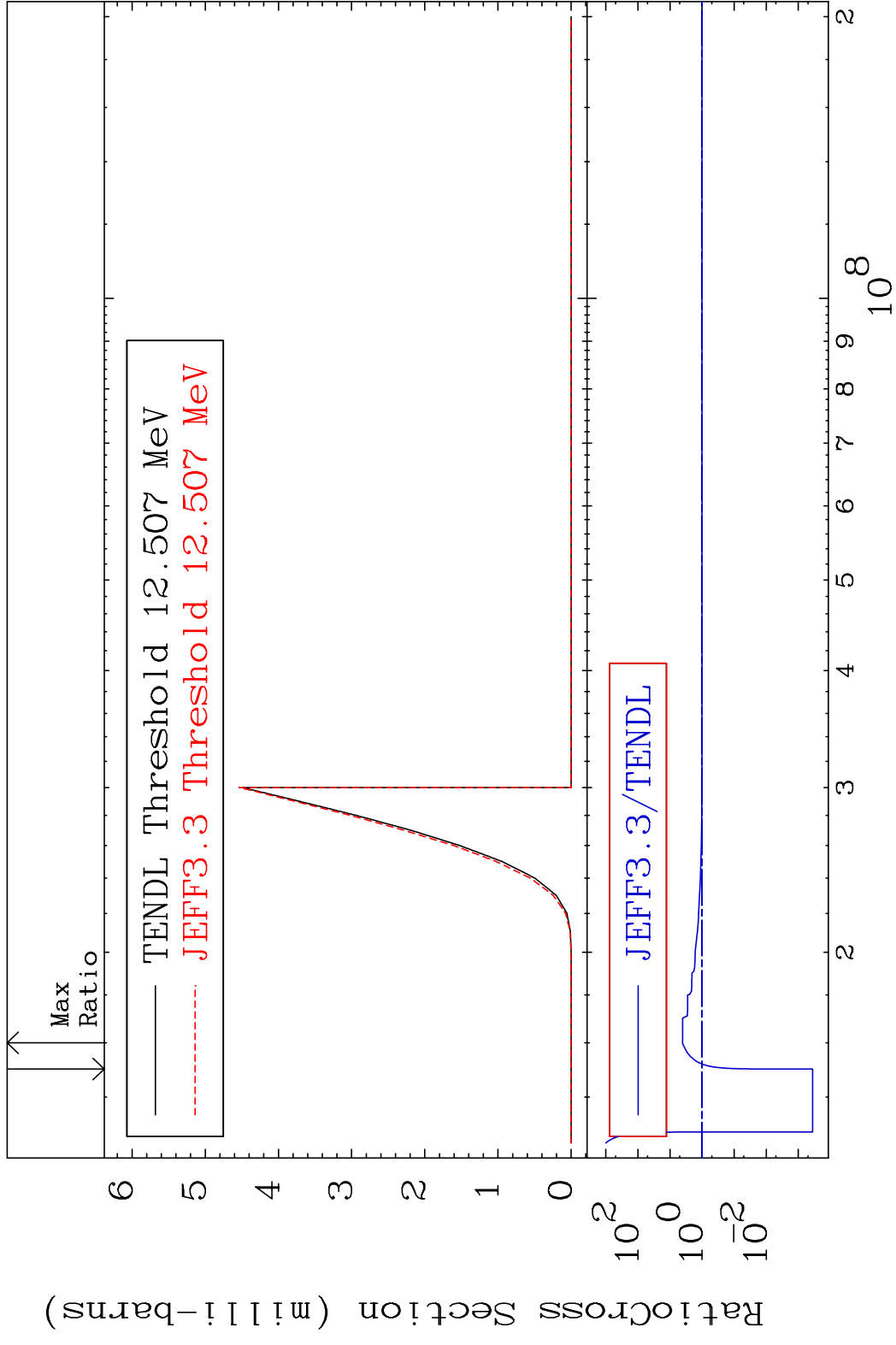
76-0s-190

Cross Section

-99.97 To 623.4 %



MAT 7643 (n, n') t 76-0s-190
 Cross Section -99.96 To 311.0 %



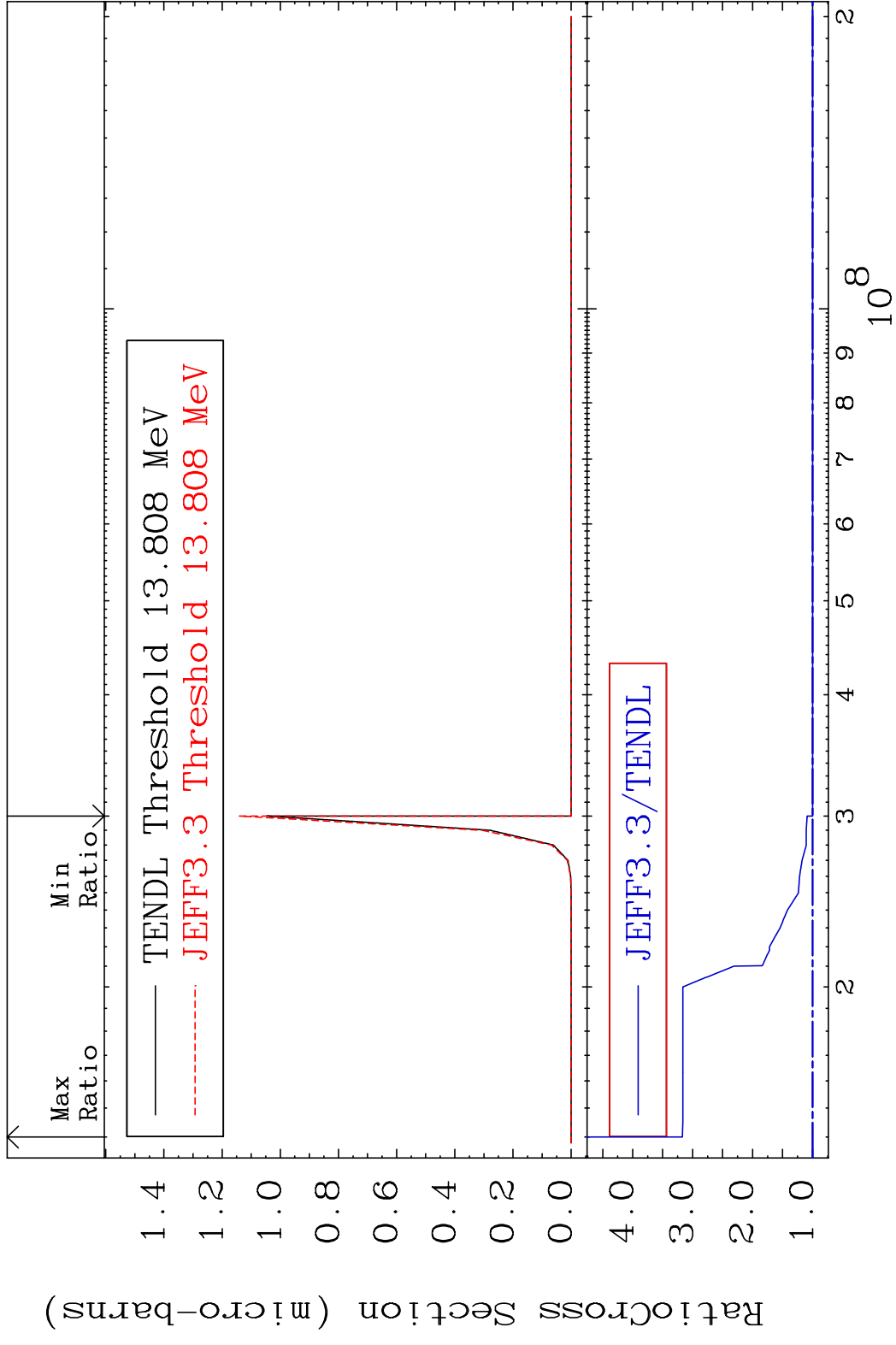
MAT 7643

(n,n') He-3

76-0s-190

Cross Section 0.000

To 217.1 %

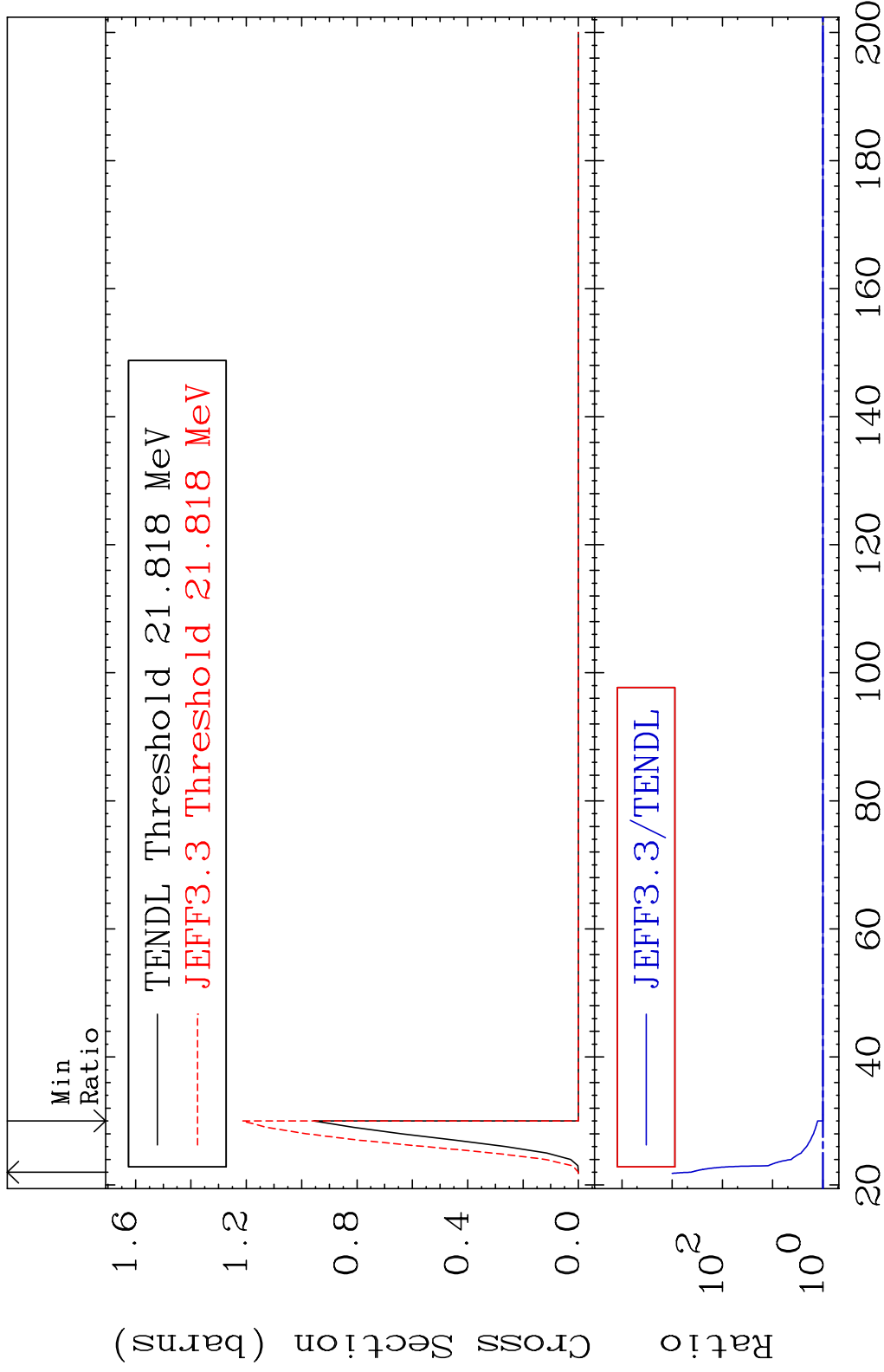


MAT 7643

(n,4n)

76-Os-190

Cross Section 0.000 To 9999. %

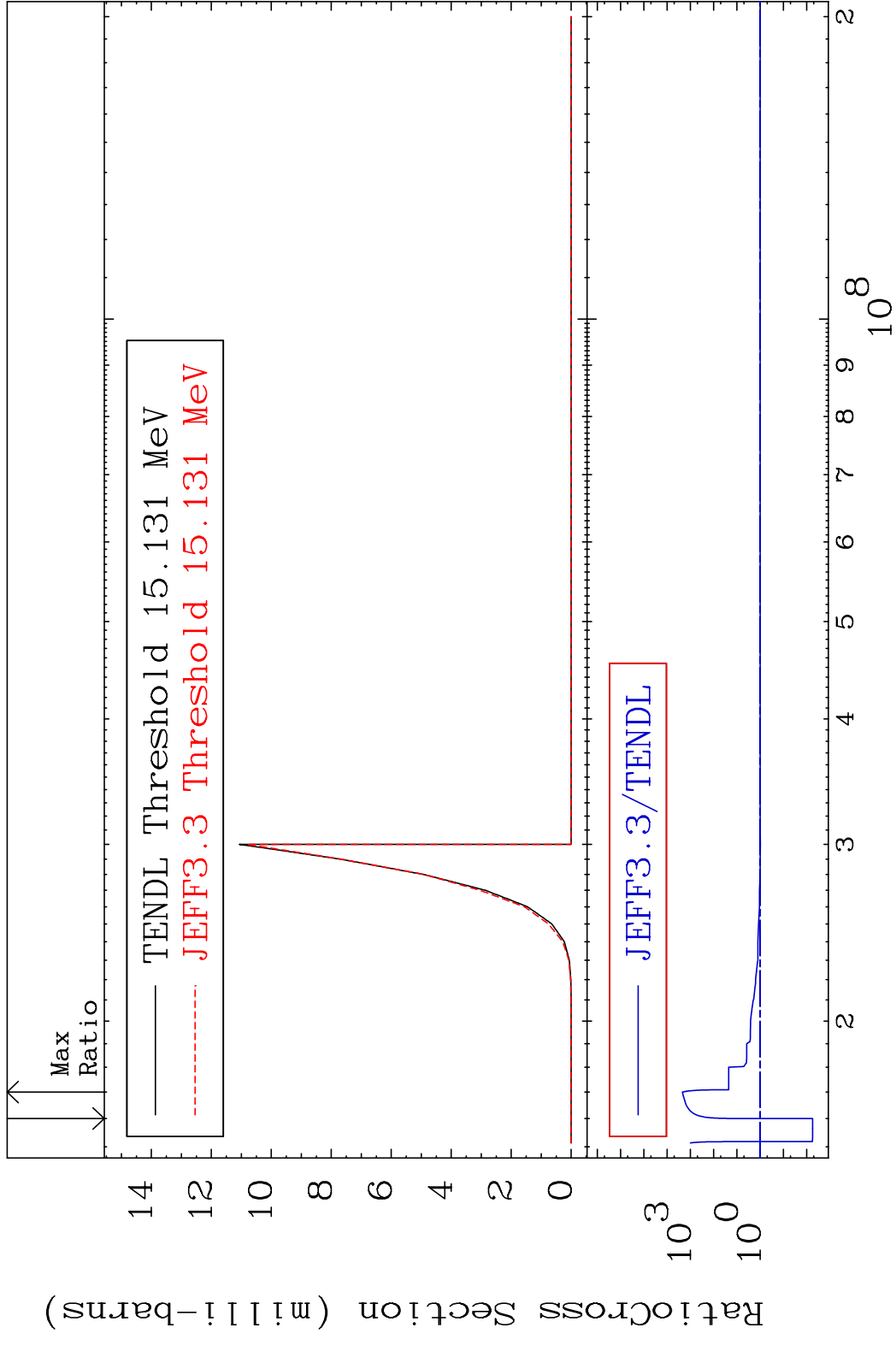


15

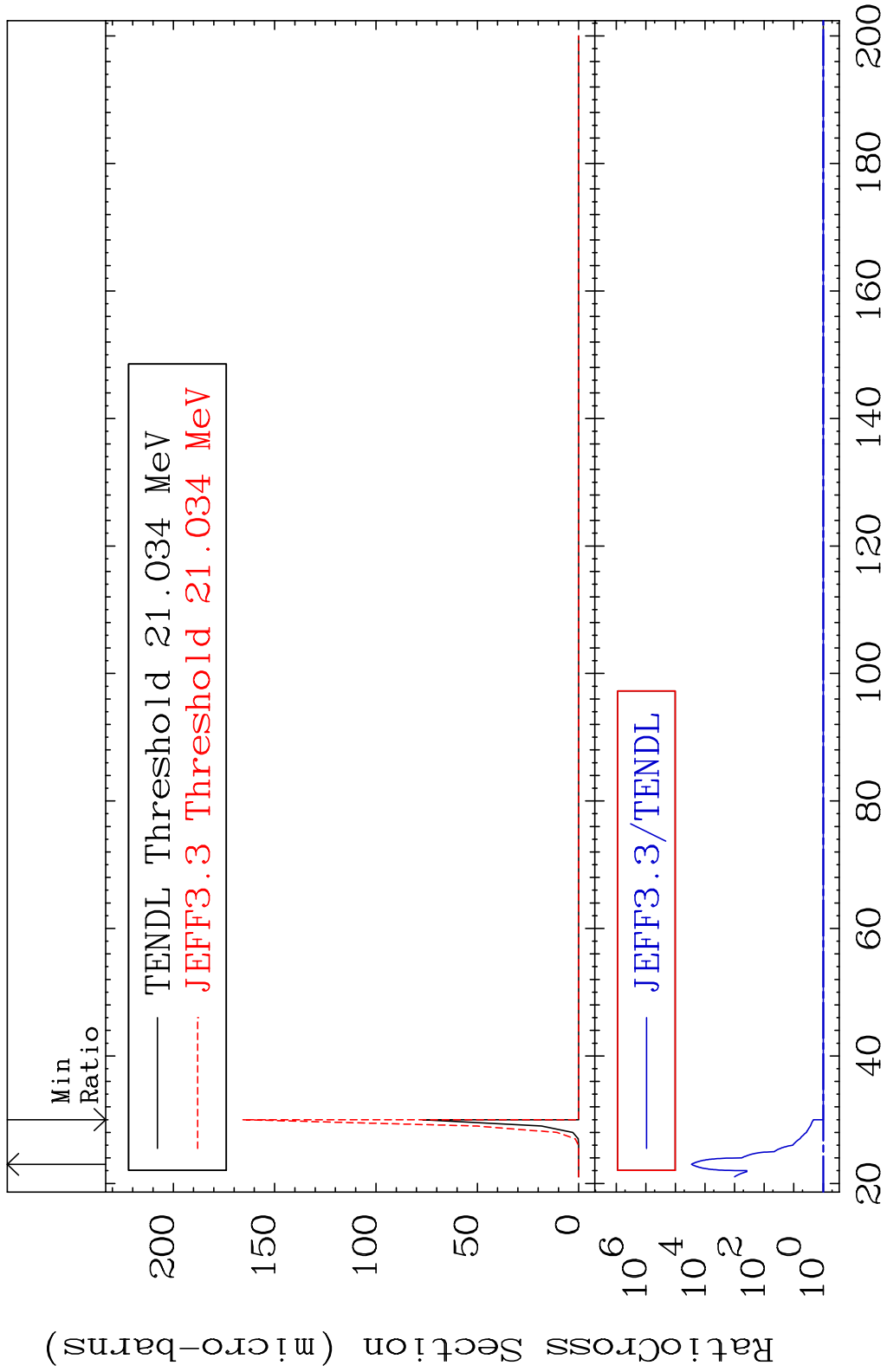
Incident Energy (MeV)

76-Os-190

MAT 7643 (n,2n) p 76-0s-190
 Cross Section -99.44 To 9999. %



MAT 7643 (n,3n) p 76-0s-190
 Cross Section 0.000 To 9999. %

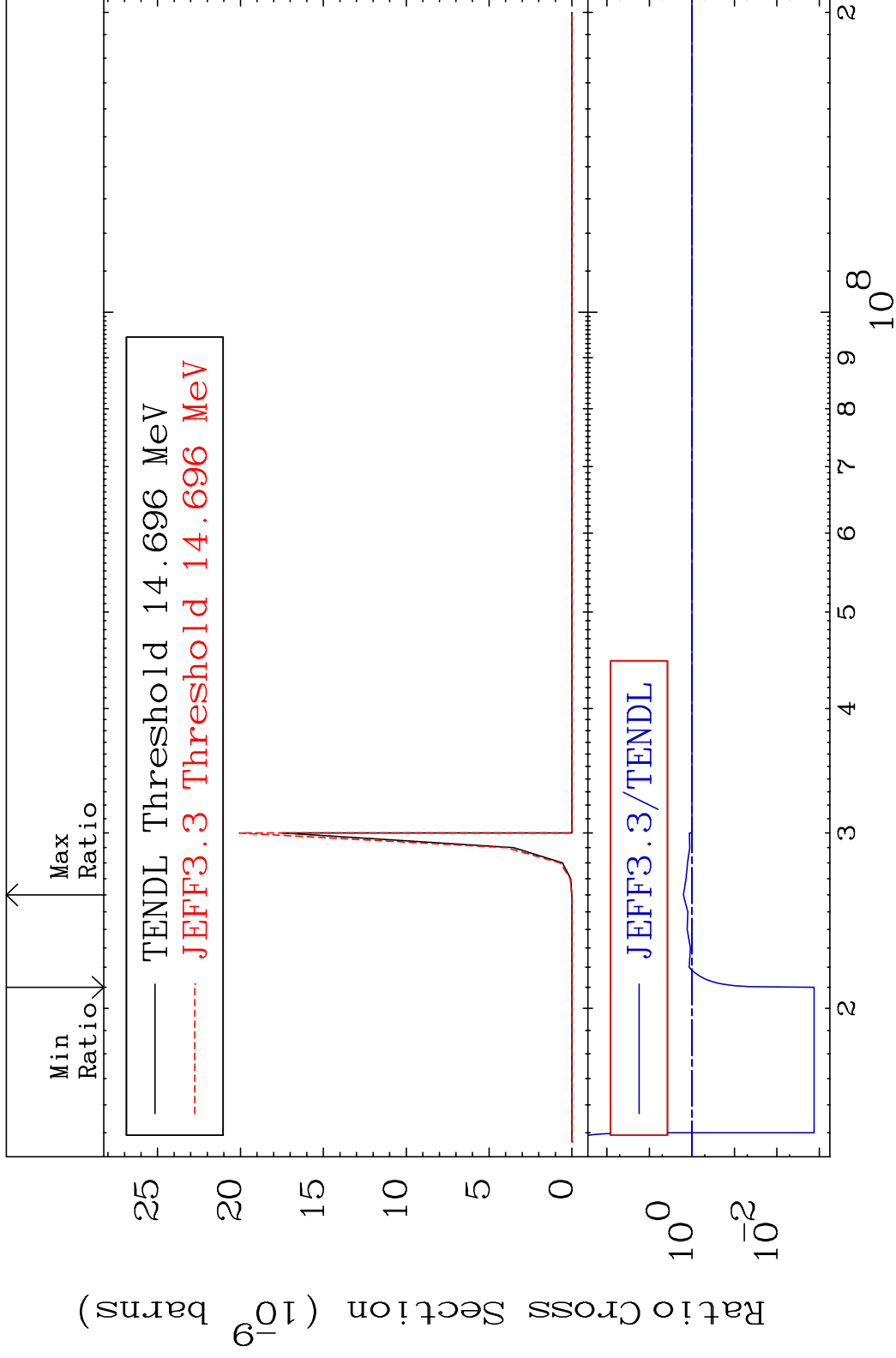


MAT 7643

(n,2n) p

76-0s-190

Cross Section -99.87 To 58.32 %



18

Incident Energy (eV)

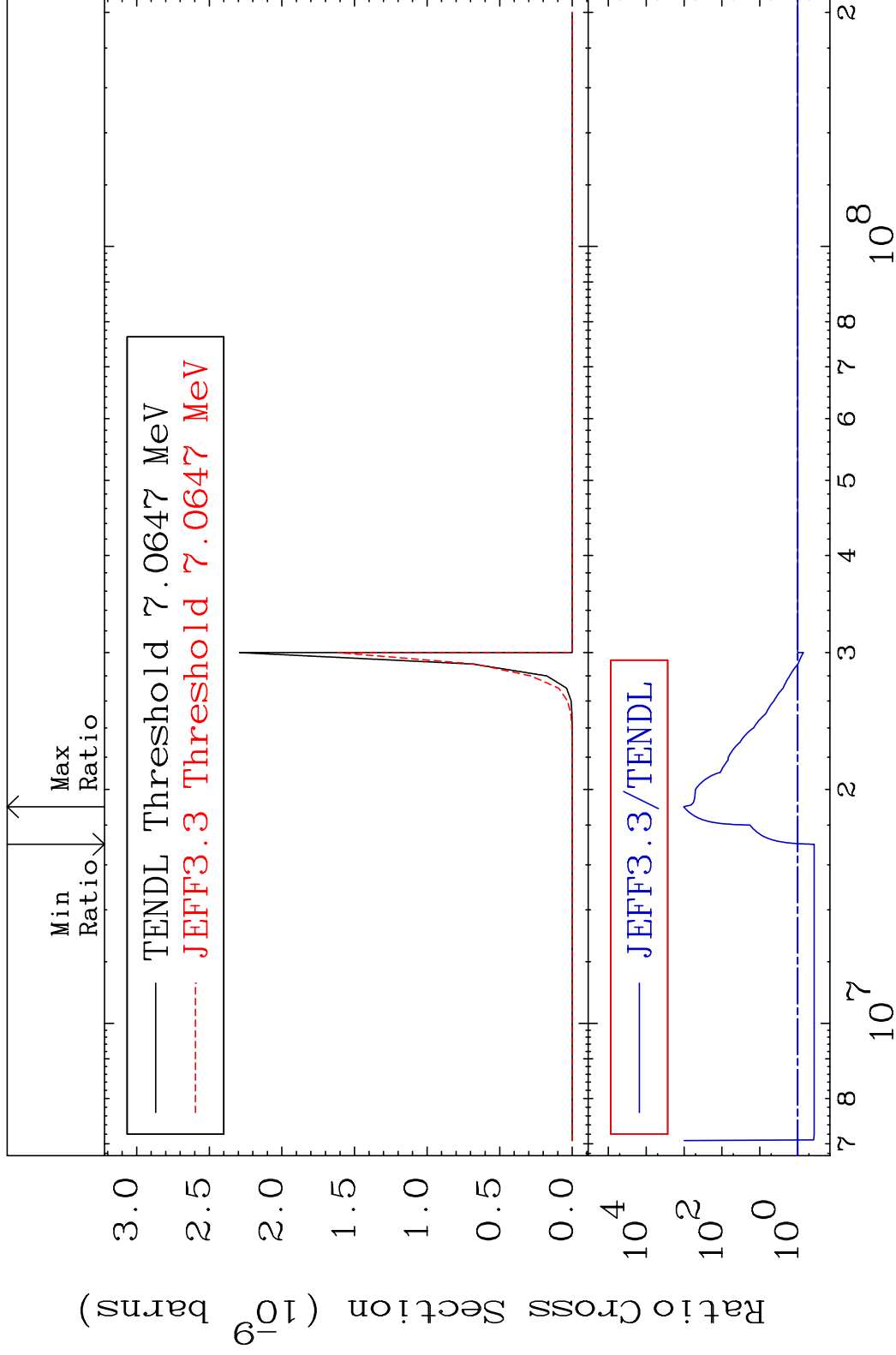
76-0s-190

MAT 7643

(n, n') p α

76-0s-190

Cross Section -63.35 To 9999. %

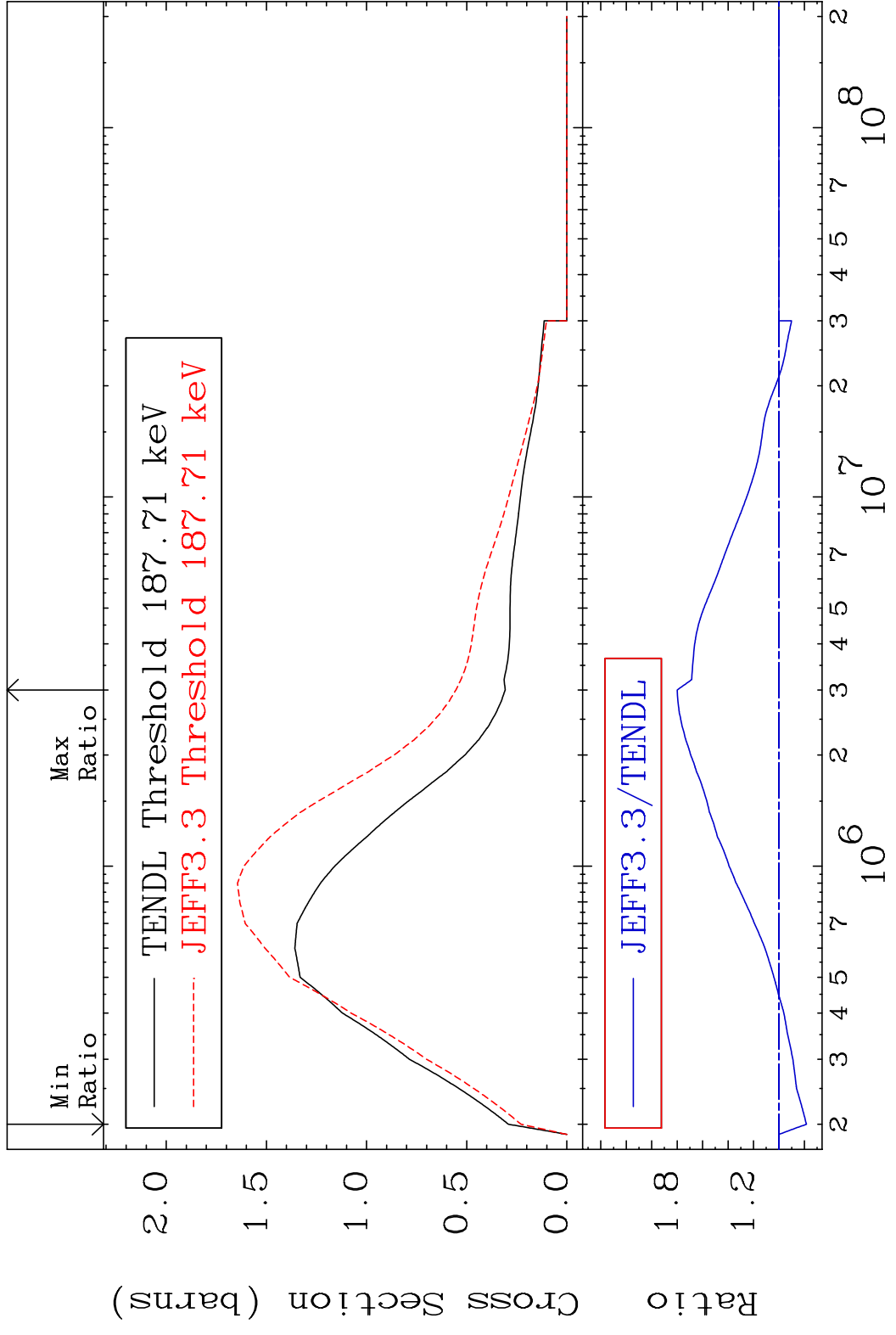


19

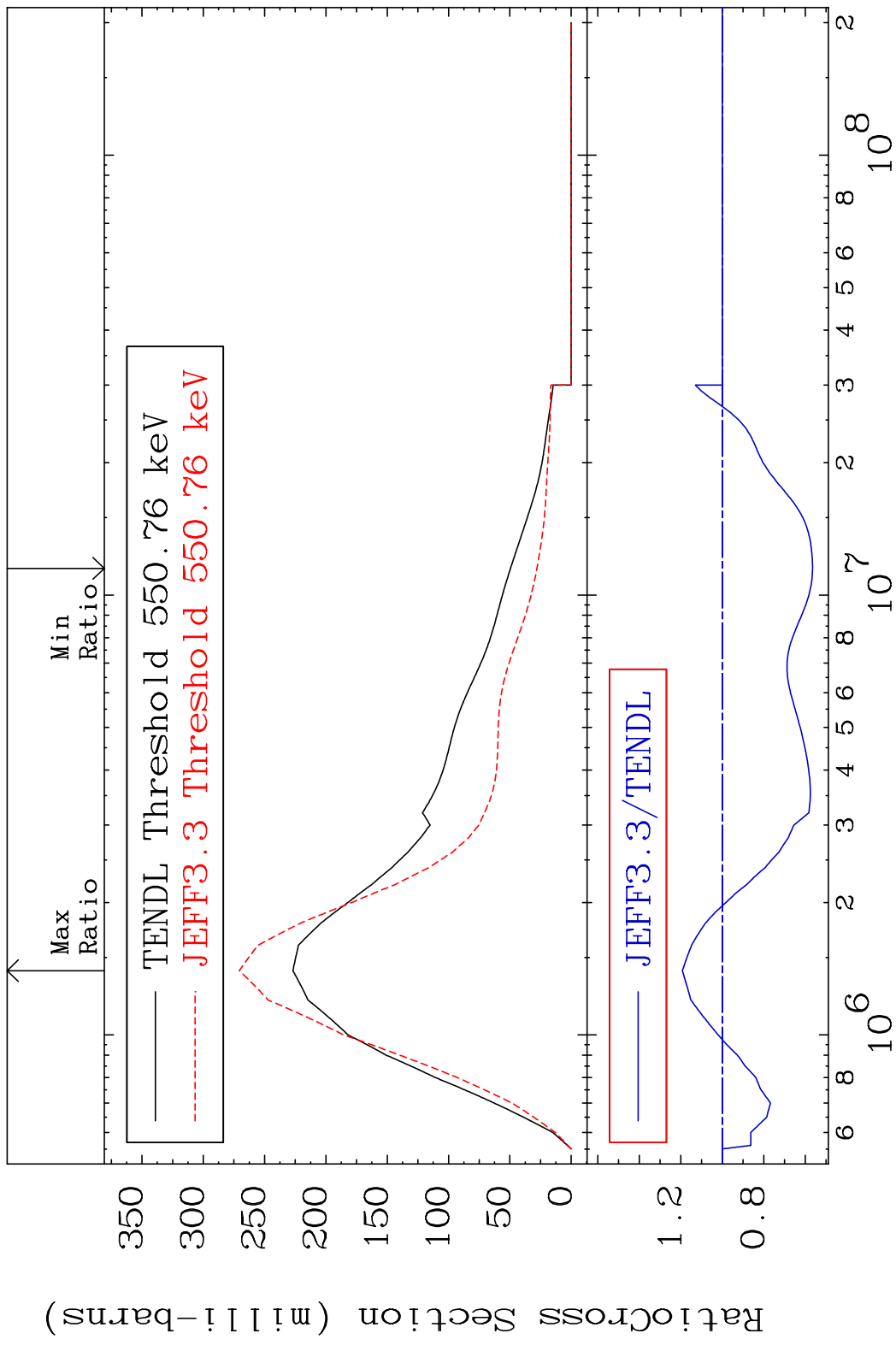
Incident Energy (eV)

76-0s-190

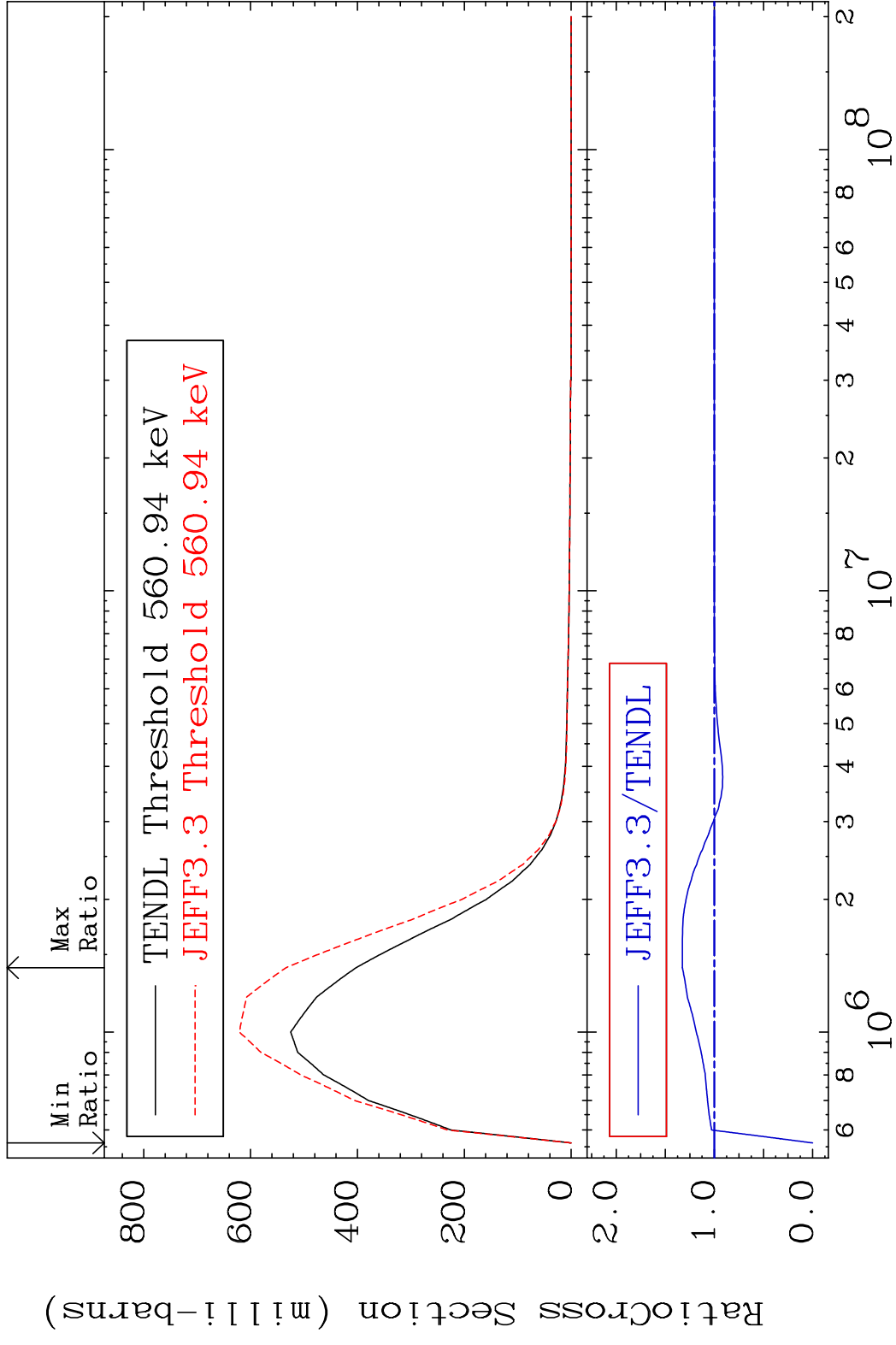
MAT 7643 MT= 51 (n, n') Level 76-0s-190
 Cross Section -21.58 To 79.98 %



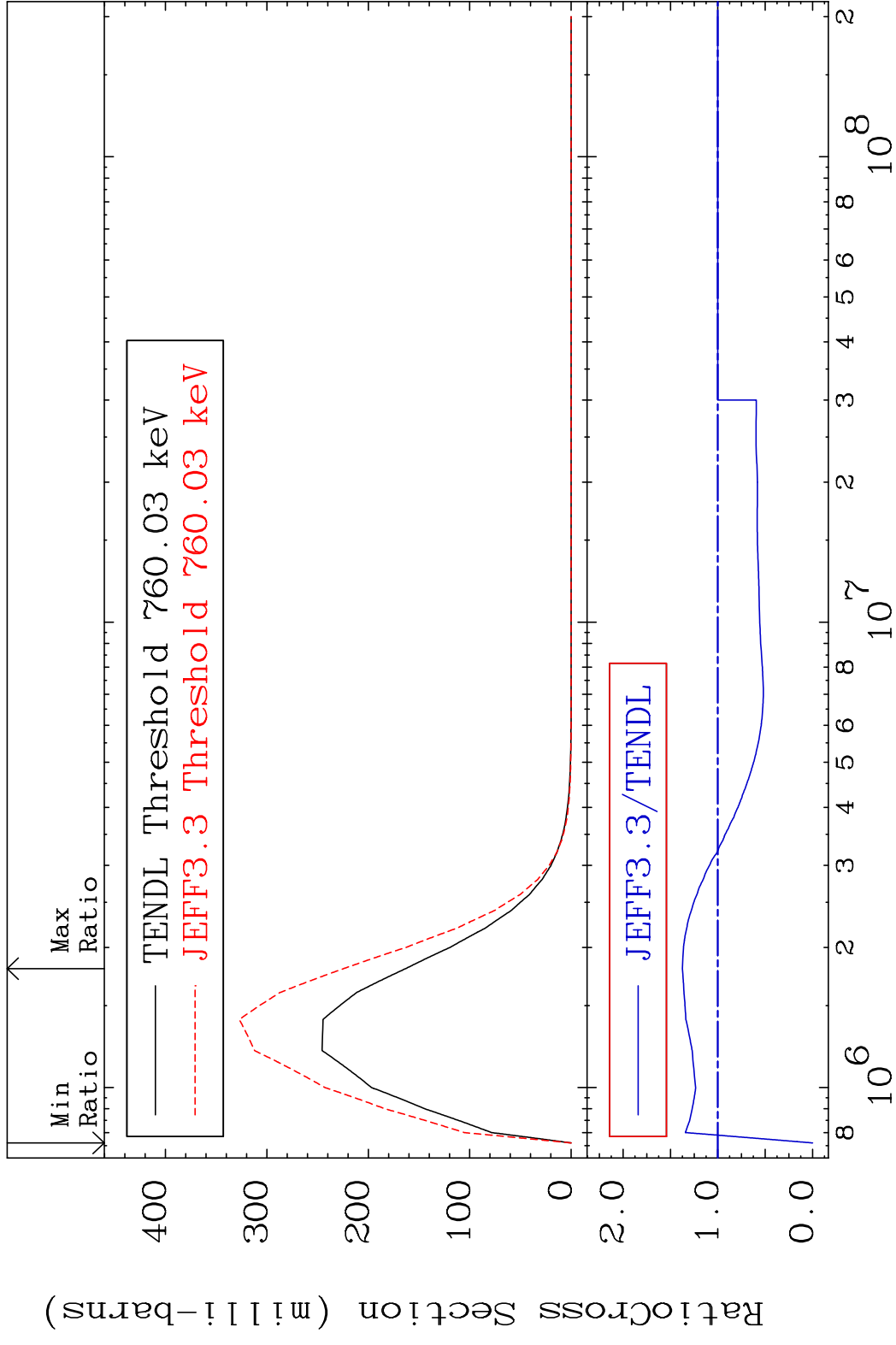
MAT 7643 MT= 52 (n, n') Level 76-0s-190
 Cross Section -43.52 To 19.25 %



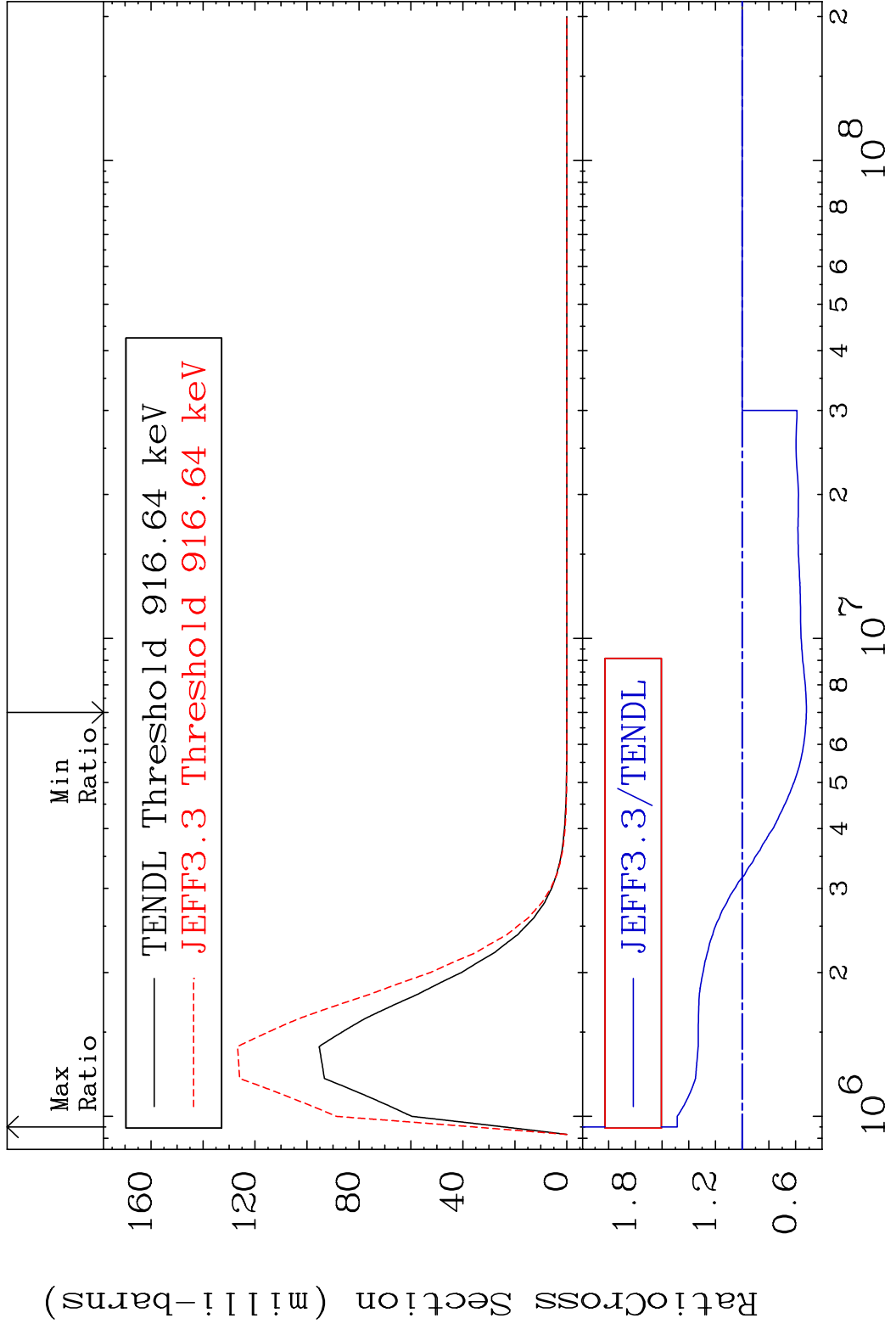
MAT 7643 MT= 53 (n, n') Level 76-0s-190
 Cross Section -100.0 To 32.61 %



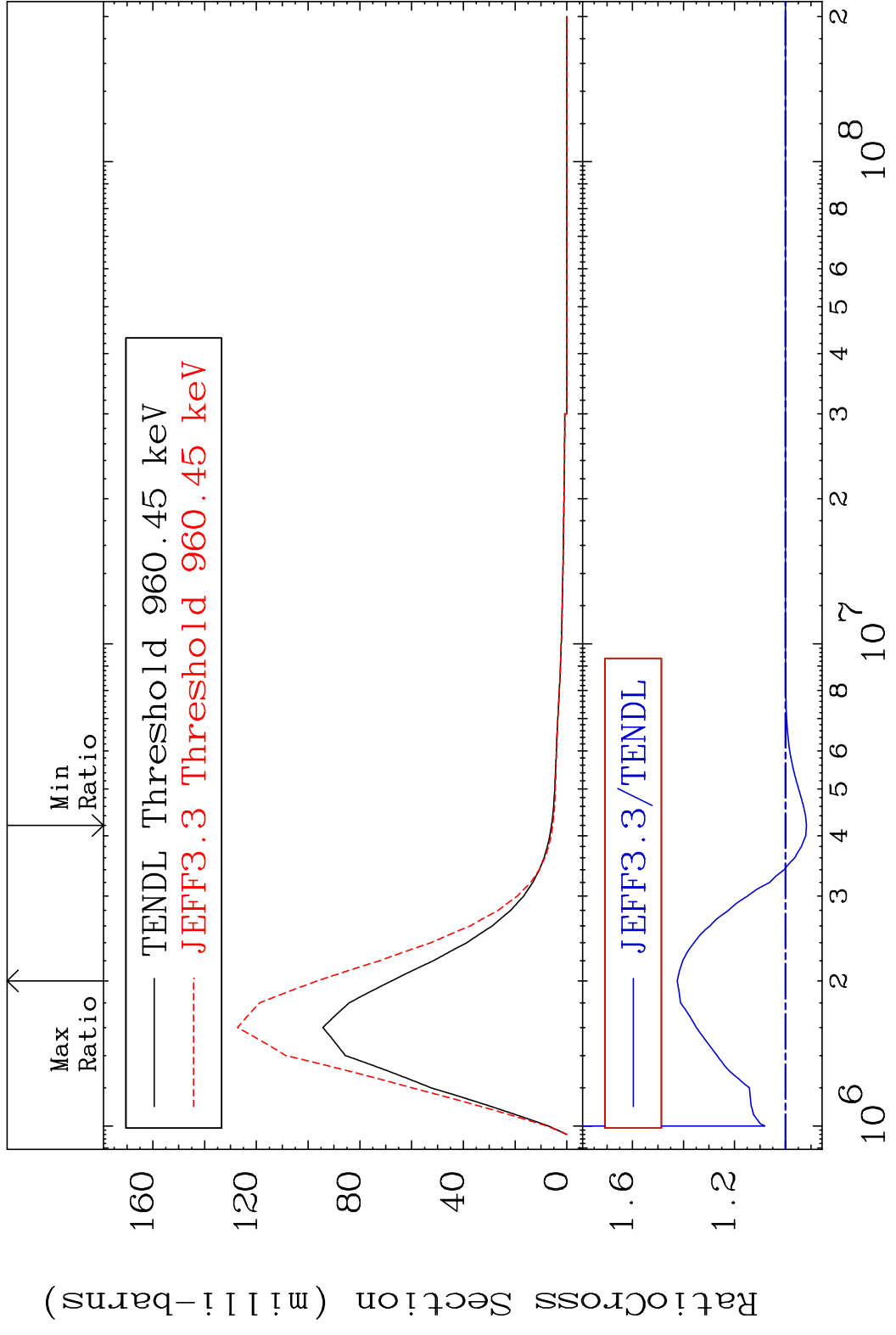
MAT 7643 MT= 54 (n,n') Level 76-0s-190
 Cross Section -100.0 To 37.46 %



MAT 7643 MT= 55 (n,n') Level 76-0s-190
 Cross Section -48.01 To 48.65 %

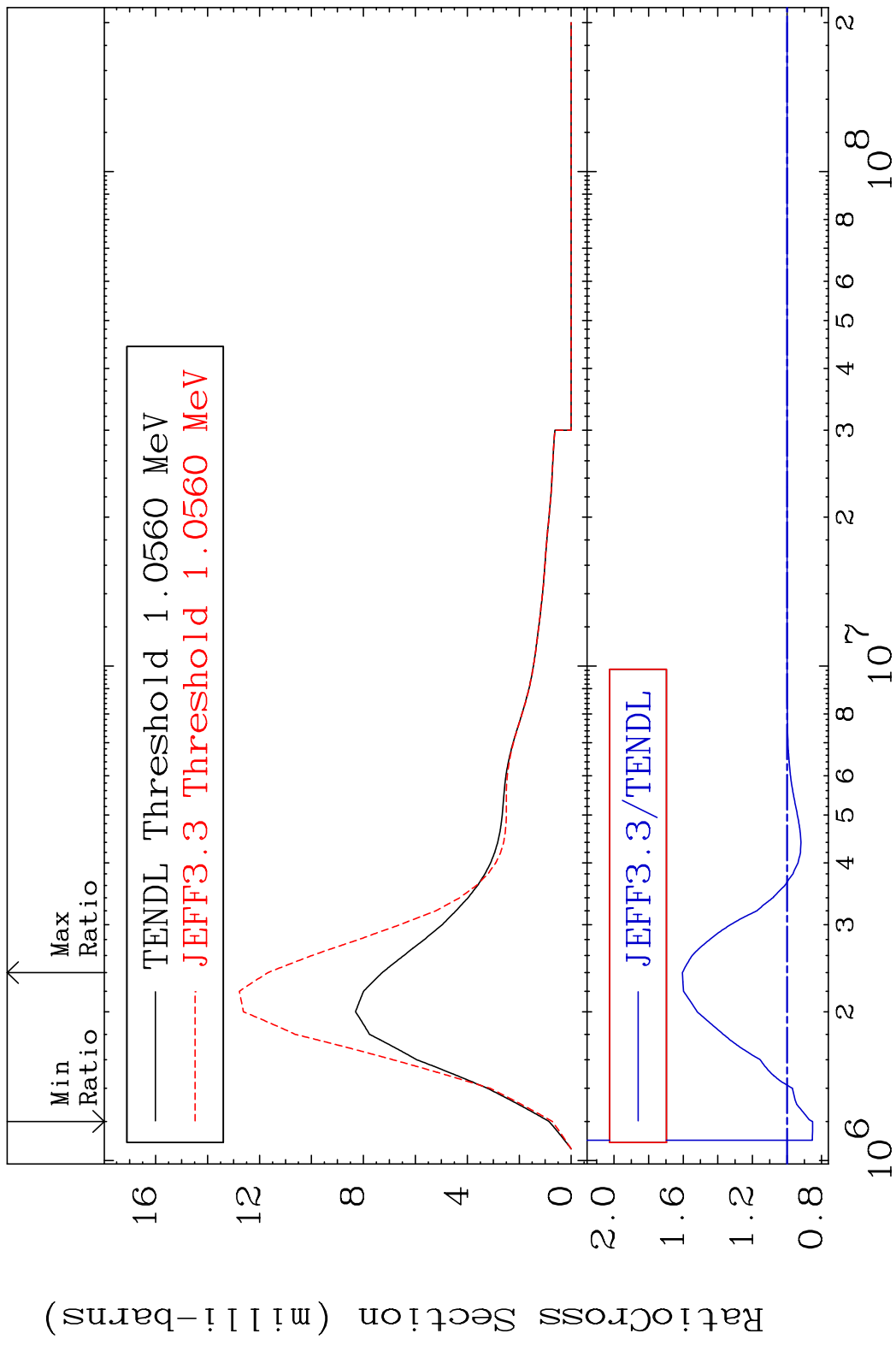


MAT 7643 MT= 56 (n,n') Level 76-0s-190
 Cross Section -8.217 To 42.47 %

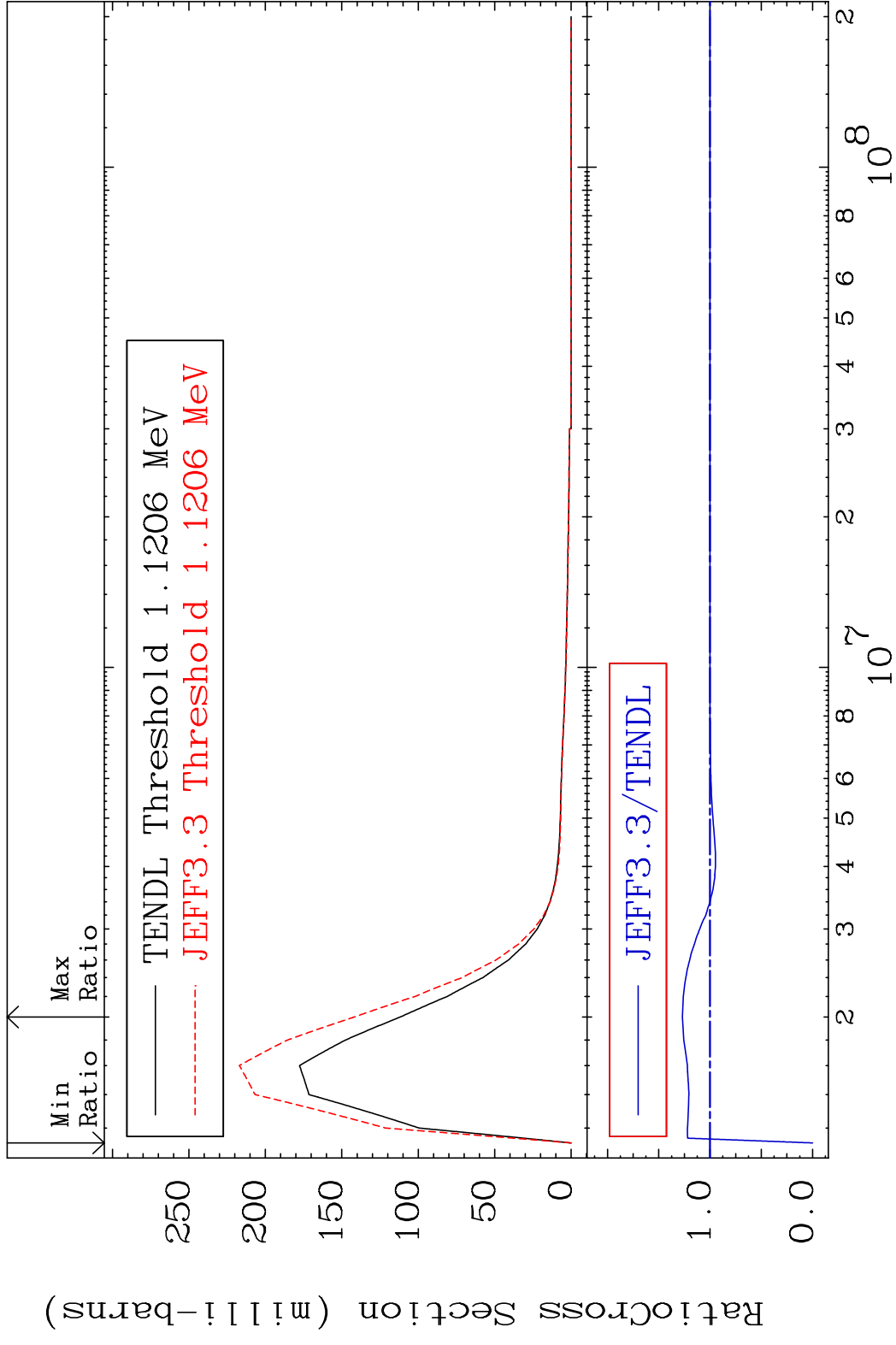


25 Incident Energy (eV) 76-0s-190

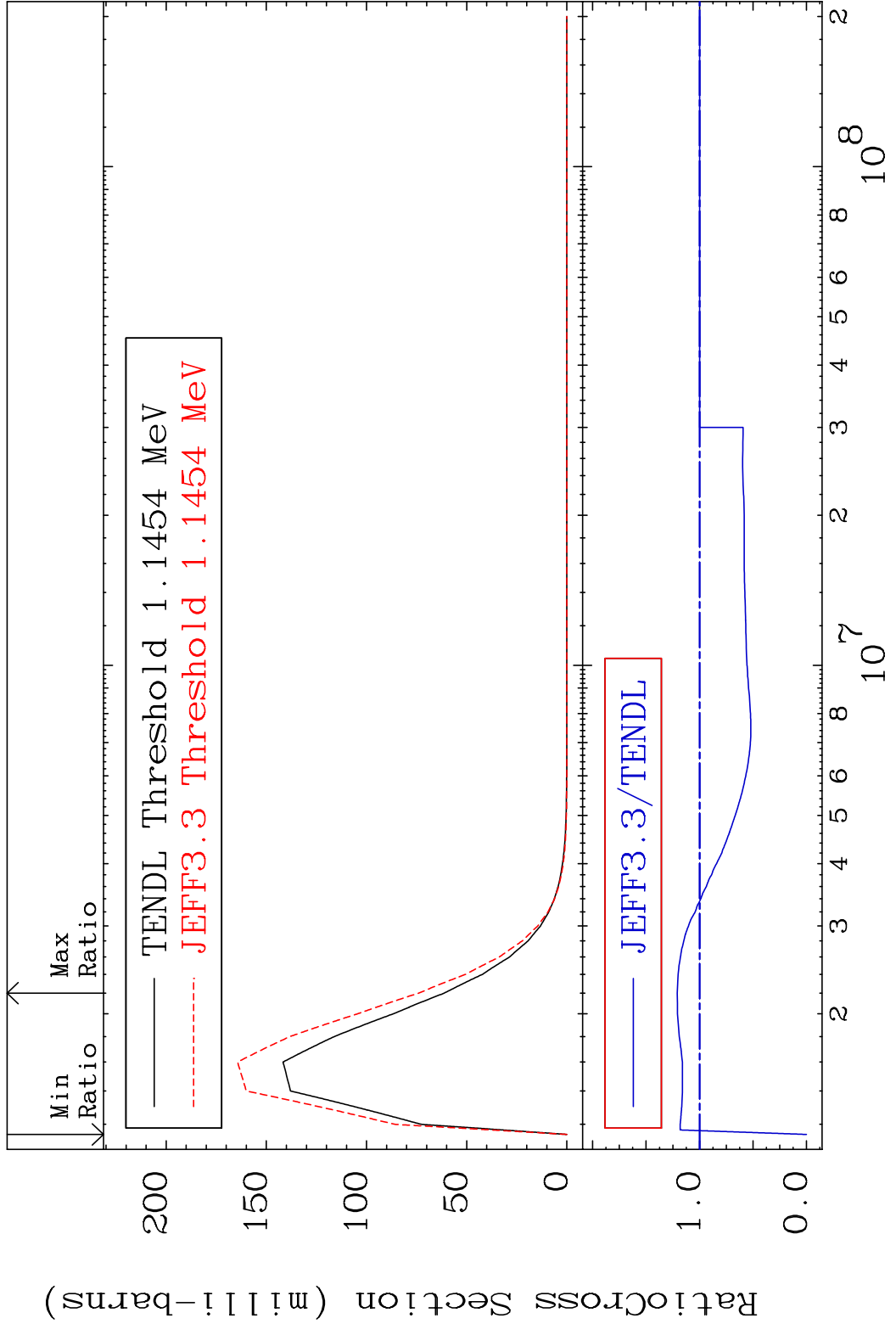
MAT 7643 MT= 57 (n,n') Level 76-0s-190
 Cross Section -14.77 To 60.49 %



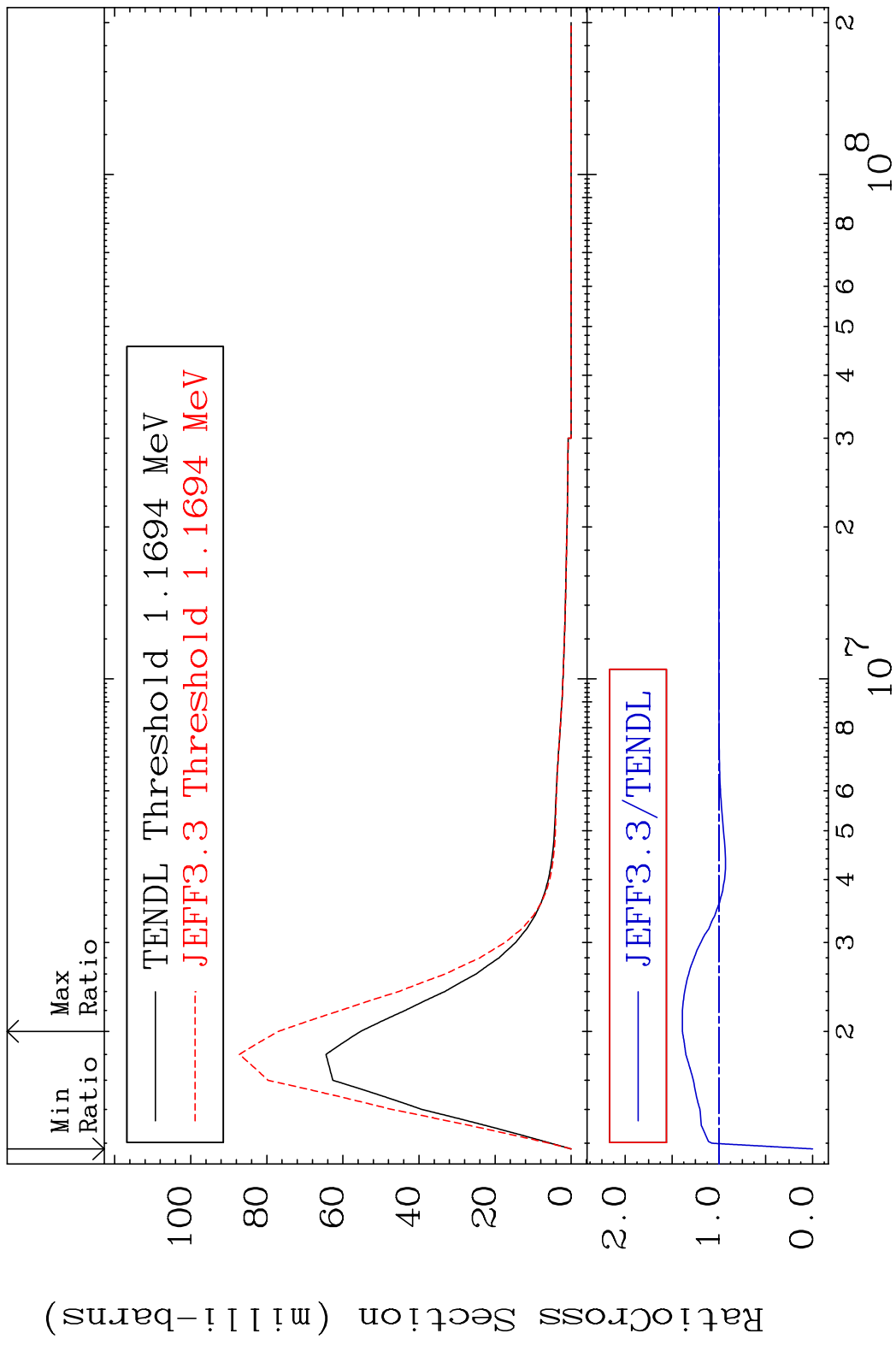
MAT 7643 MT= 58 (n, n') Level 76-0s-190
 Cross Section -100.0 To 26.98 %



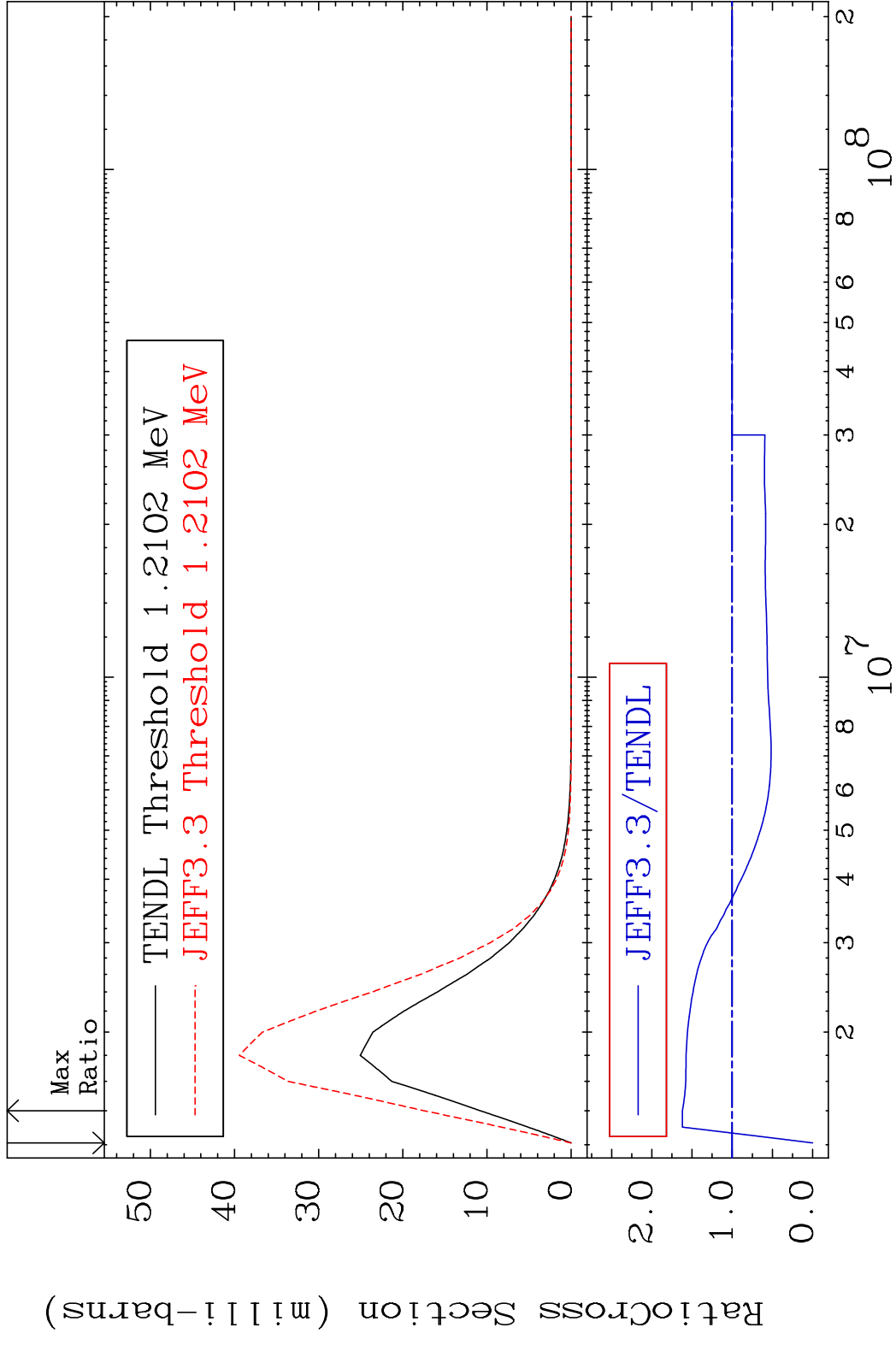
MAT 7643 MT= 59 (n, n') Level 76-0s-190
 Cross Section -100.0 To 20.91 %



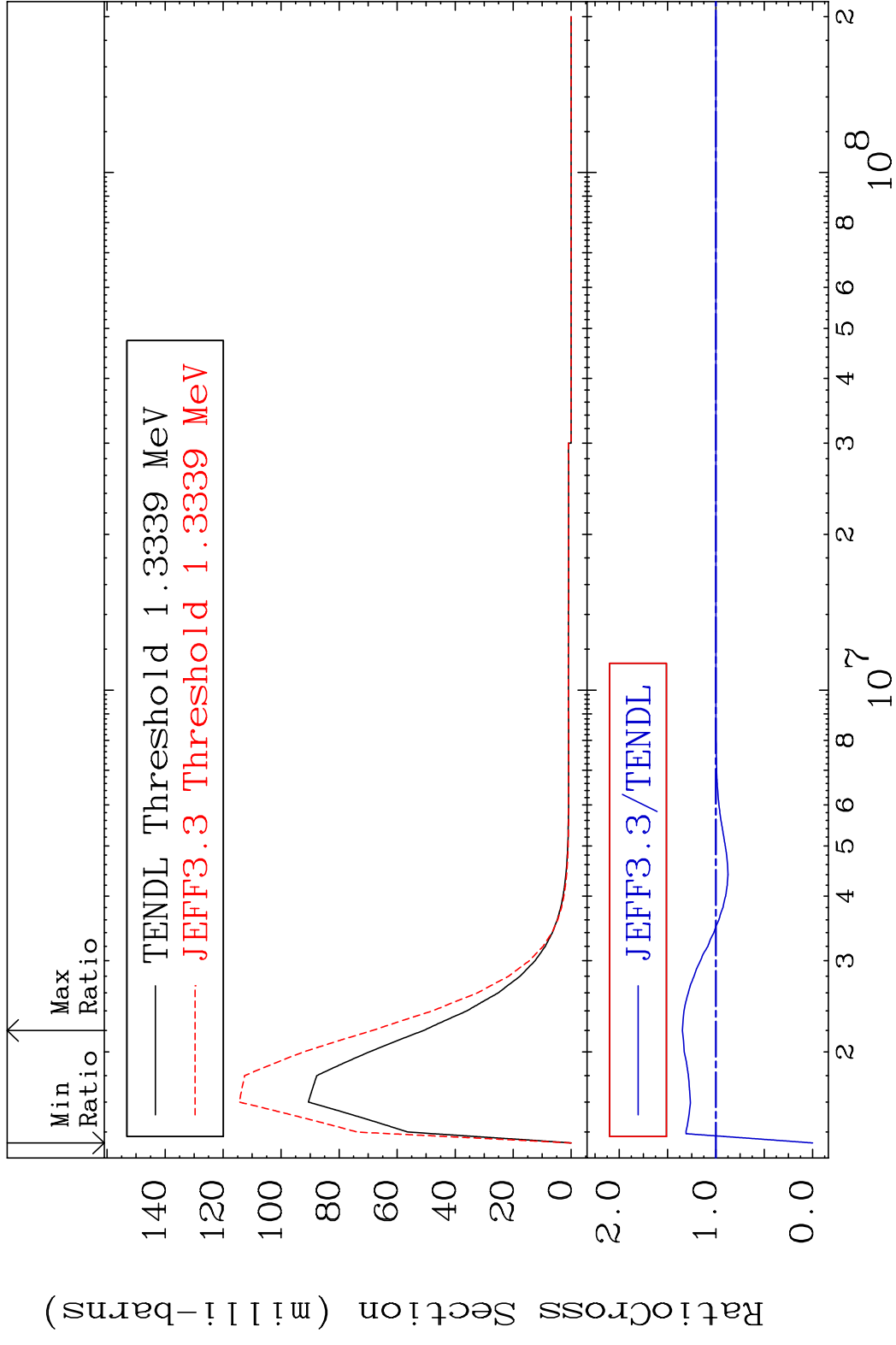
MAT 7643 MT= 60 (n, n') Level 76-0s-190
 Cross Section -100.0 To 39.03 %



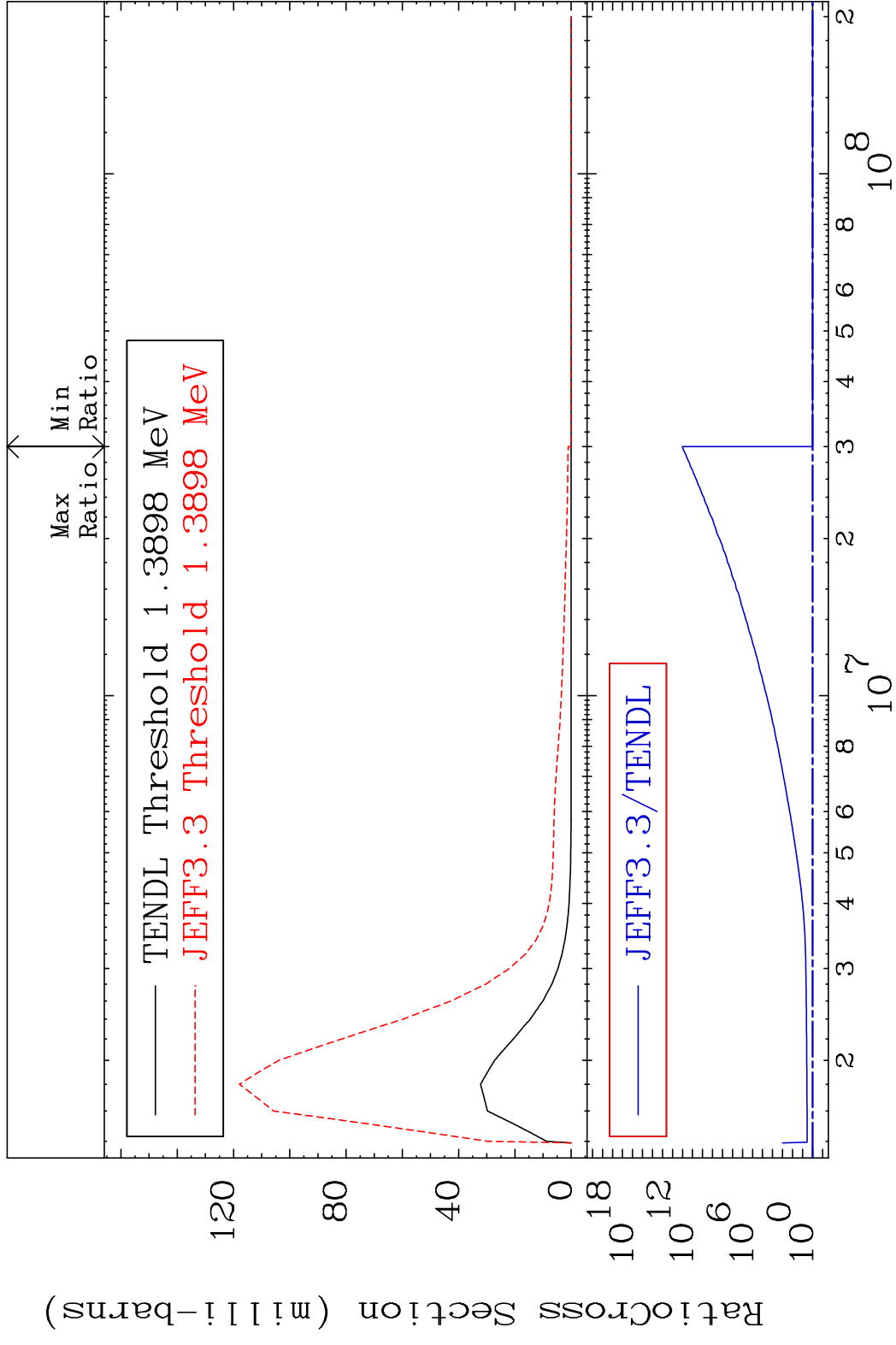
MAT 7643 MT= 61 (n, n') Level 76-0s-190
 Cross Section -100.0 To 62.03 %



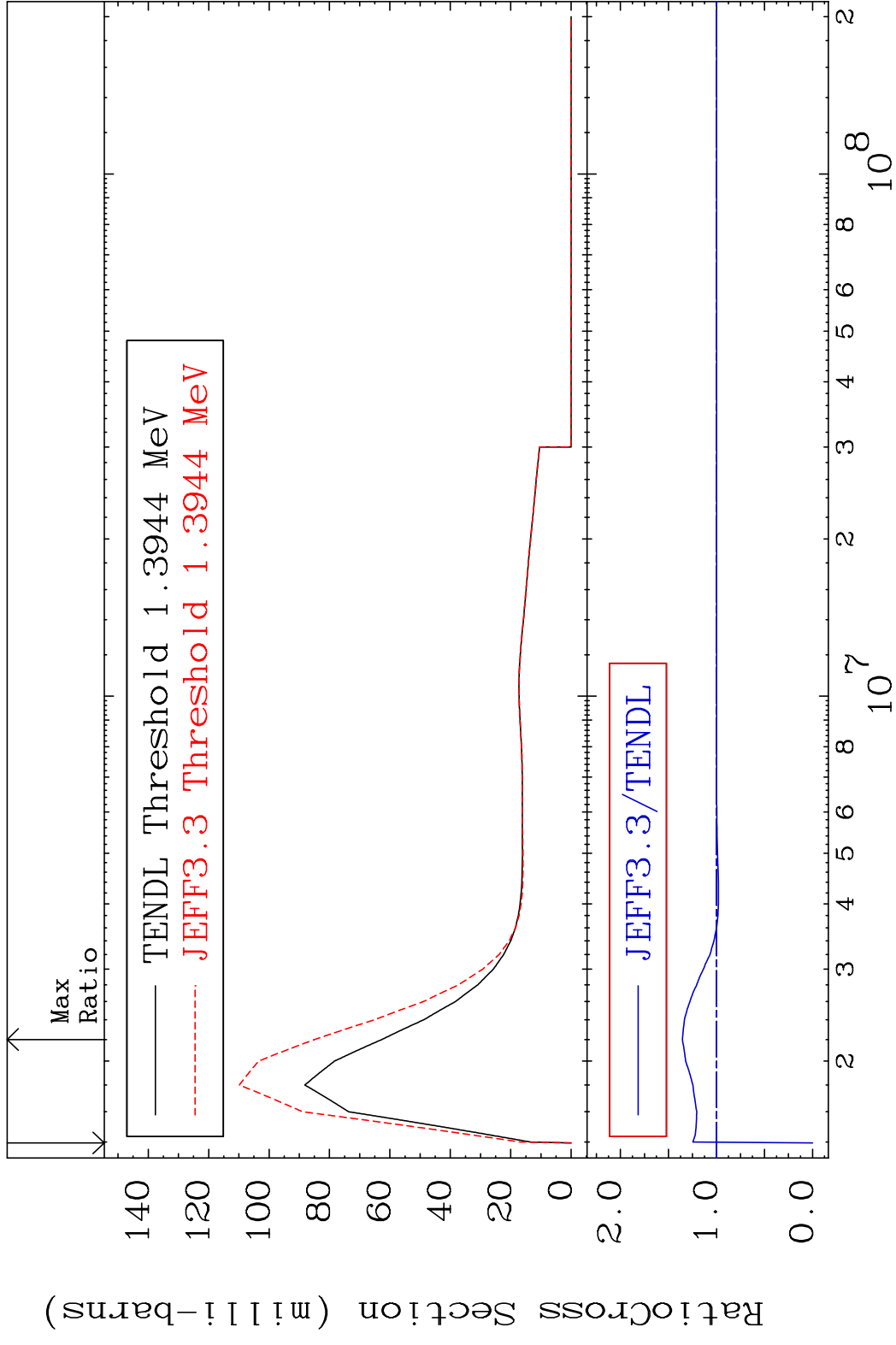
MAT 7643 MT= 62 (n, n') Level 76-0s-190
 Cross Section -100.0 To 34.62 %



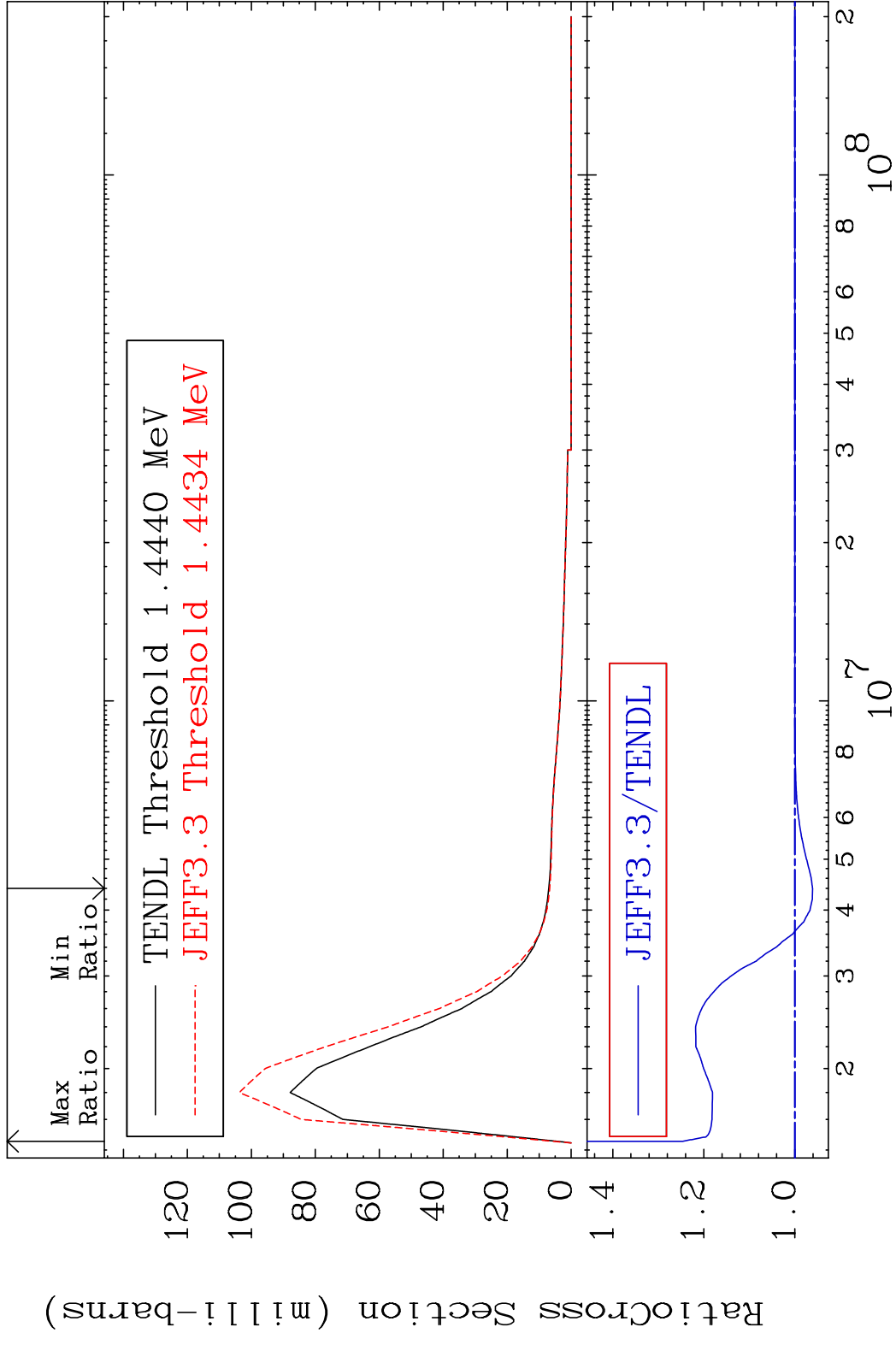
MAT 7643 MT= 63 (n, n') Level 76-0s-190
 Cross Section 0.000 To 9999. %



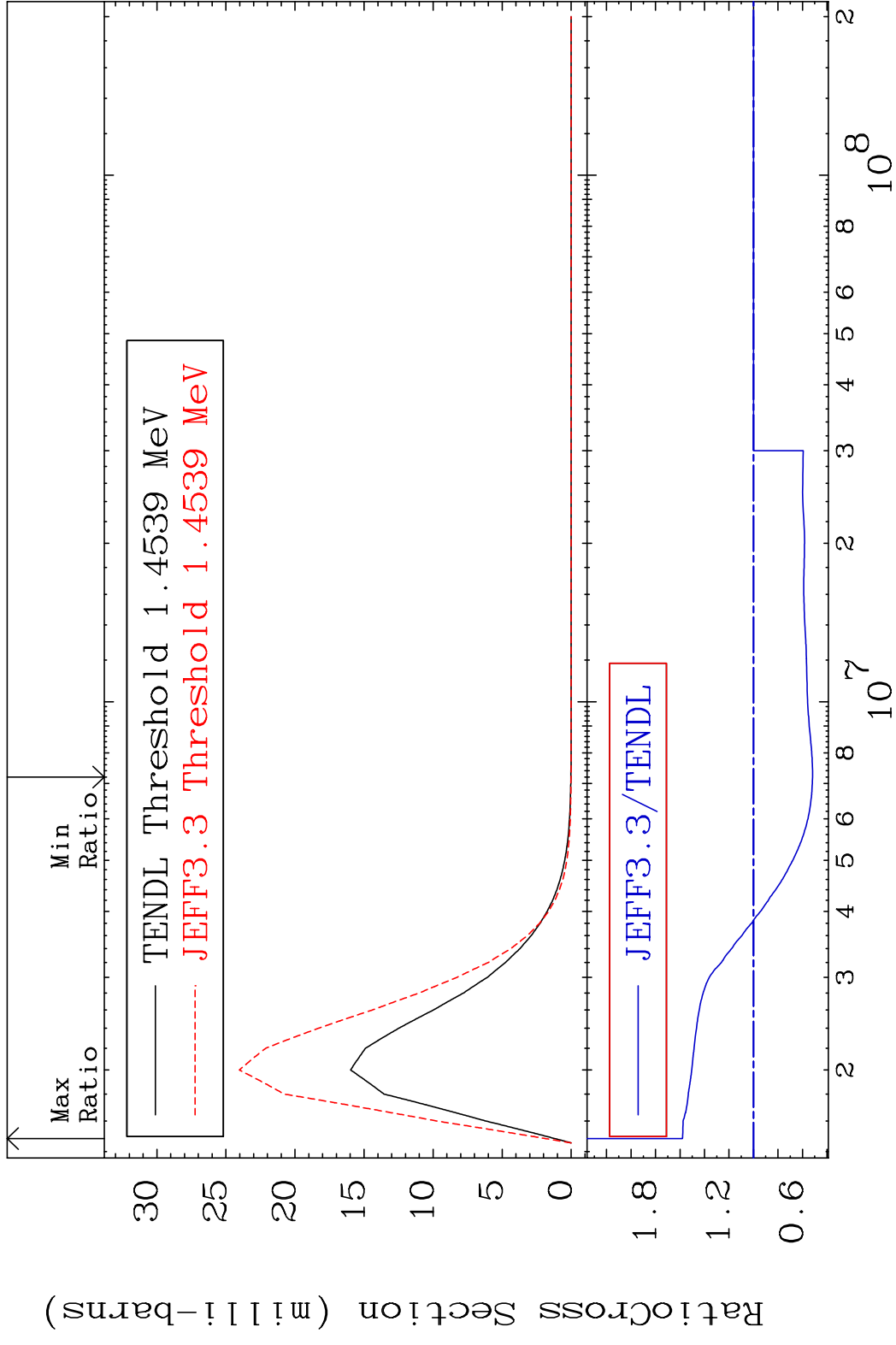
MAT 7643 MT= 64 (n,n') Level 76-0s-190
 Cross Section -100.0 To 35.53 %



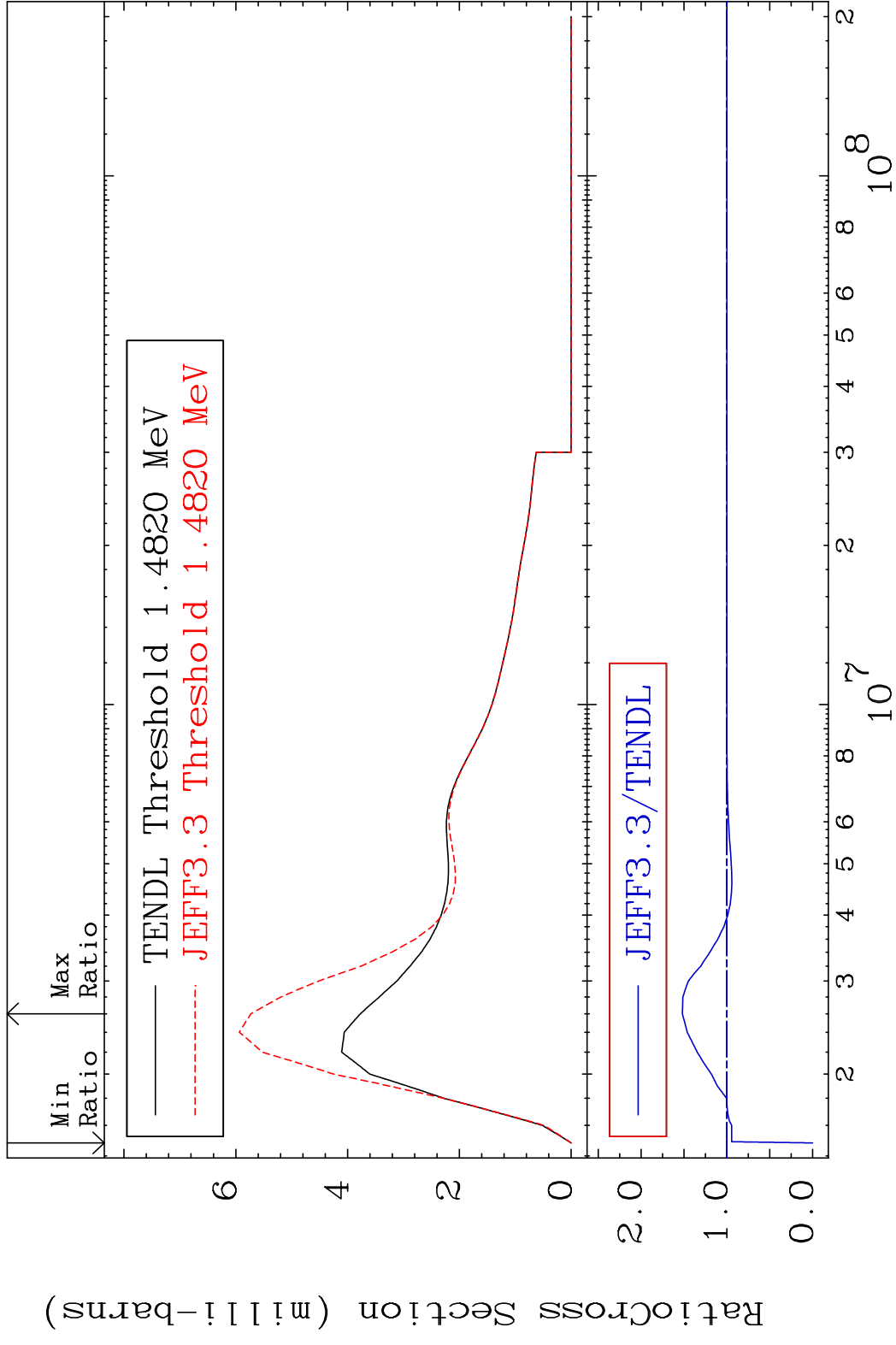
MAT 7643 MT= 65 (n,n') Level 76-0s-190
 Cross Section -3.884 To 24.71 %



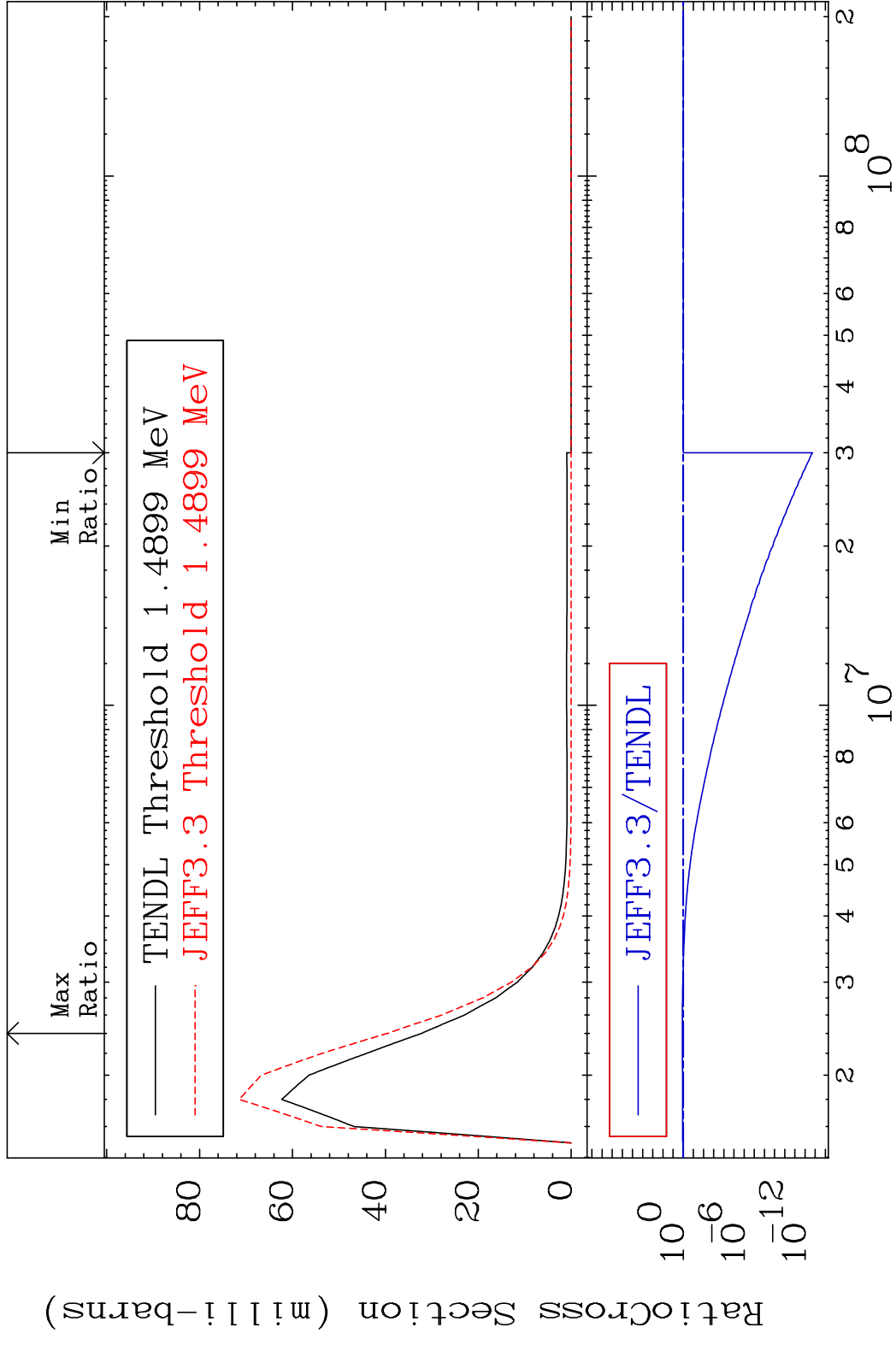
MAT 7643 MT= 66 (n, n') Level 76-0s-190
 Cross Section -48.24 To 58.09 %



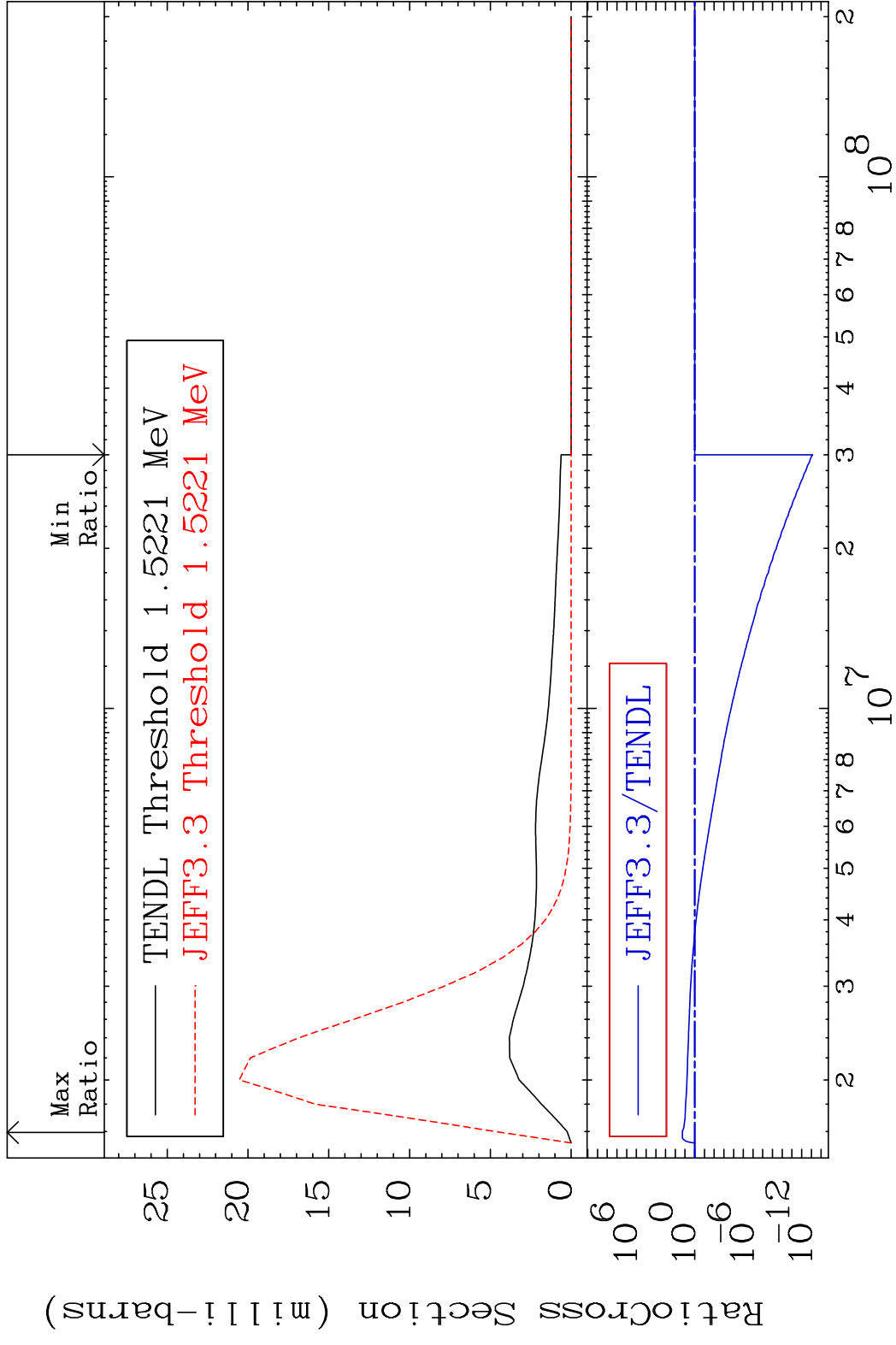
MAT 7643 MT= 67 (n, n') Level 76-0s-190
 Cross Section -100.0 To 51.86 %



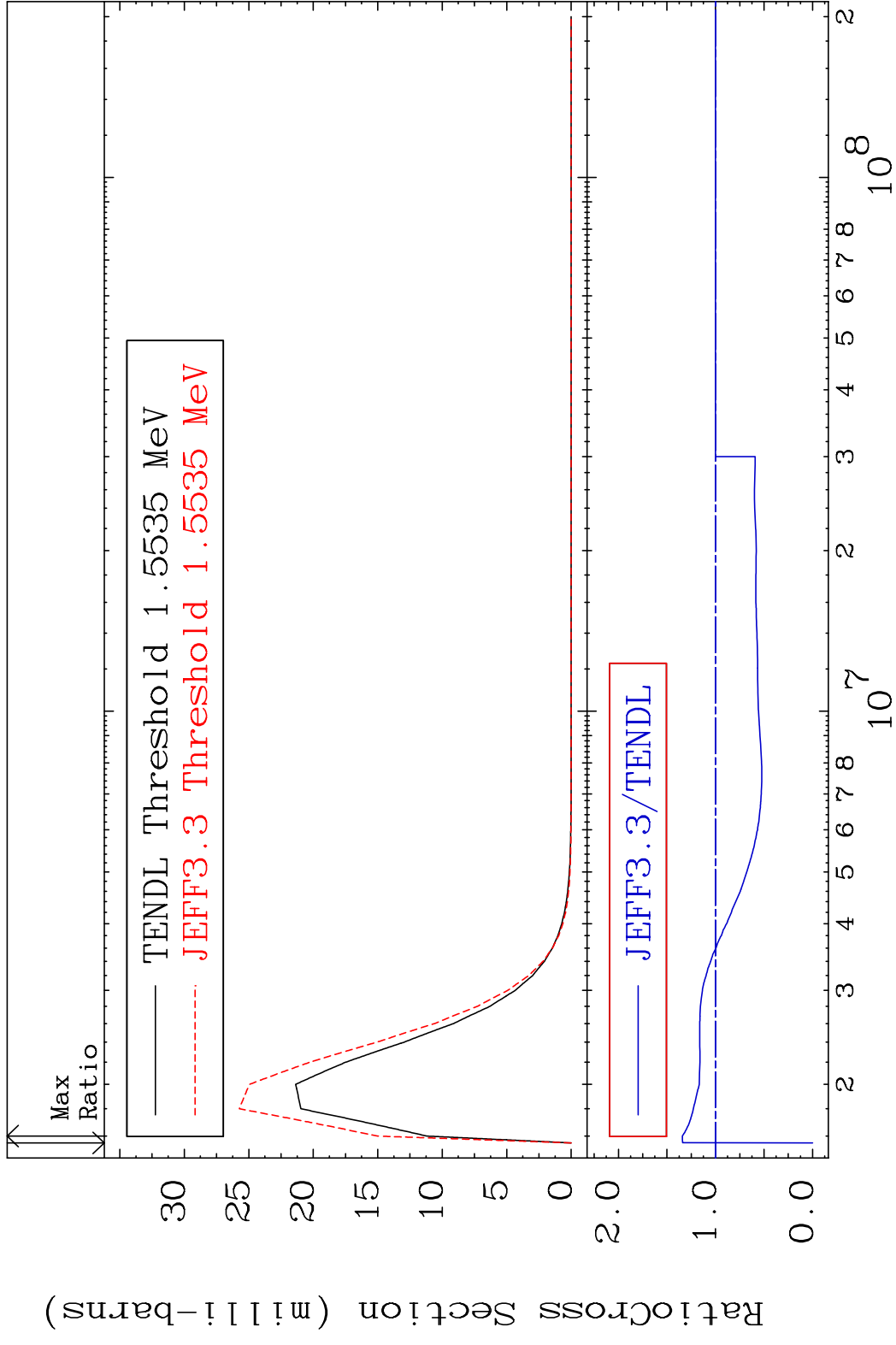
MAT 7643 MT= 68 (n,n') Level 76-0s-190
 Cross Section -100.0 To 22.92 %



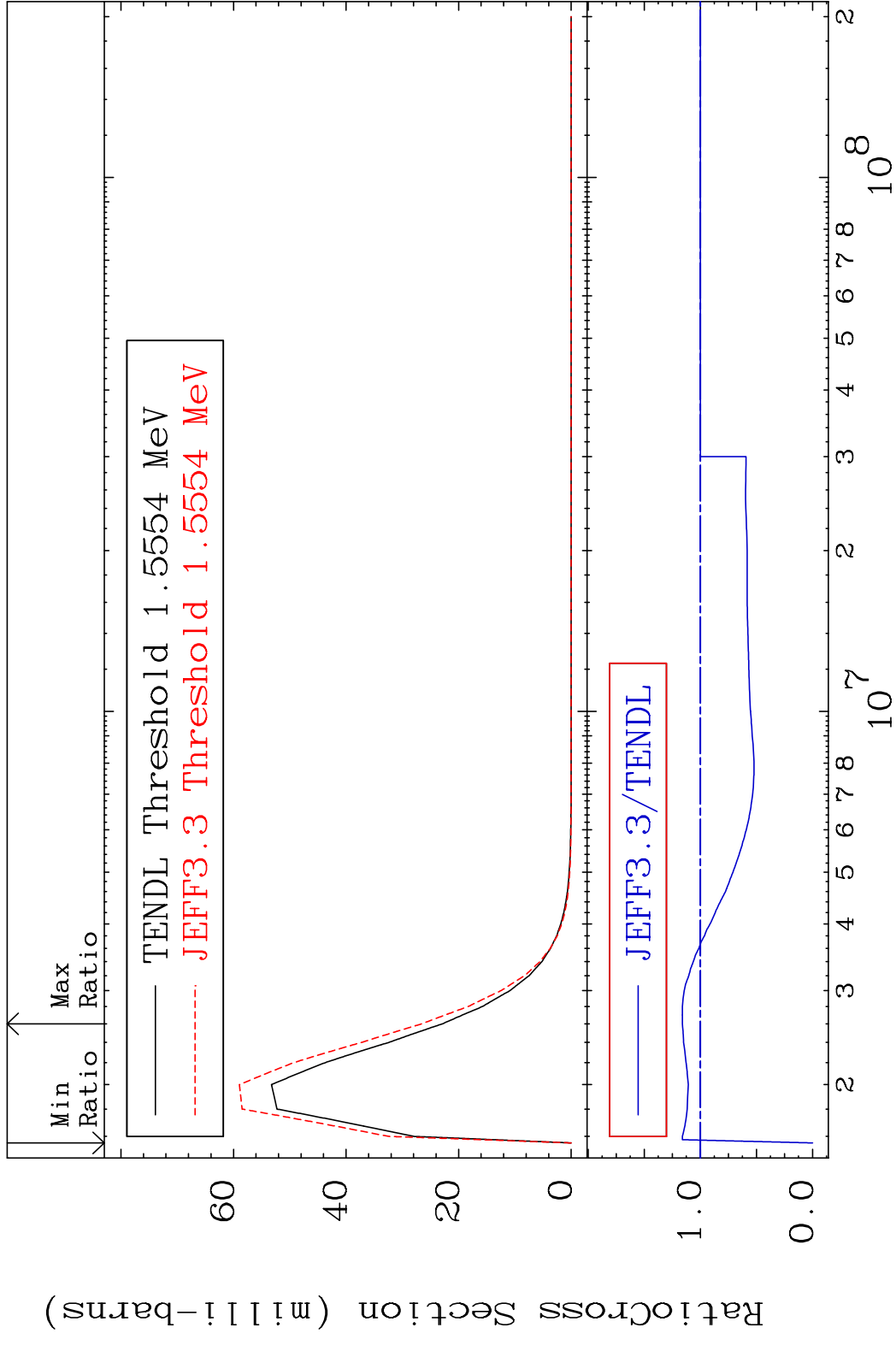
MAT 7643 MT= 69 (n, n') Level 76-0s-190
 Cross Section -100.0 To 1766. %



MAT 7643 MT= 70 (n,n') Level 76-0s-190
 Cross Section -100.0 To 34.14 %

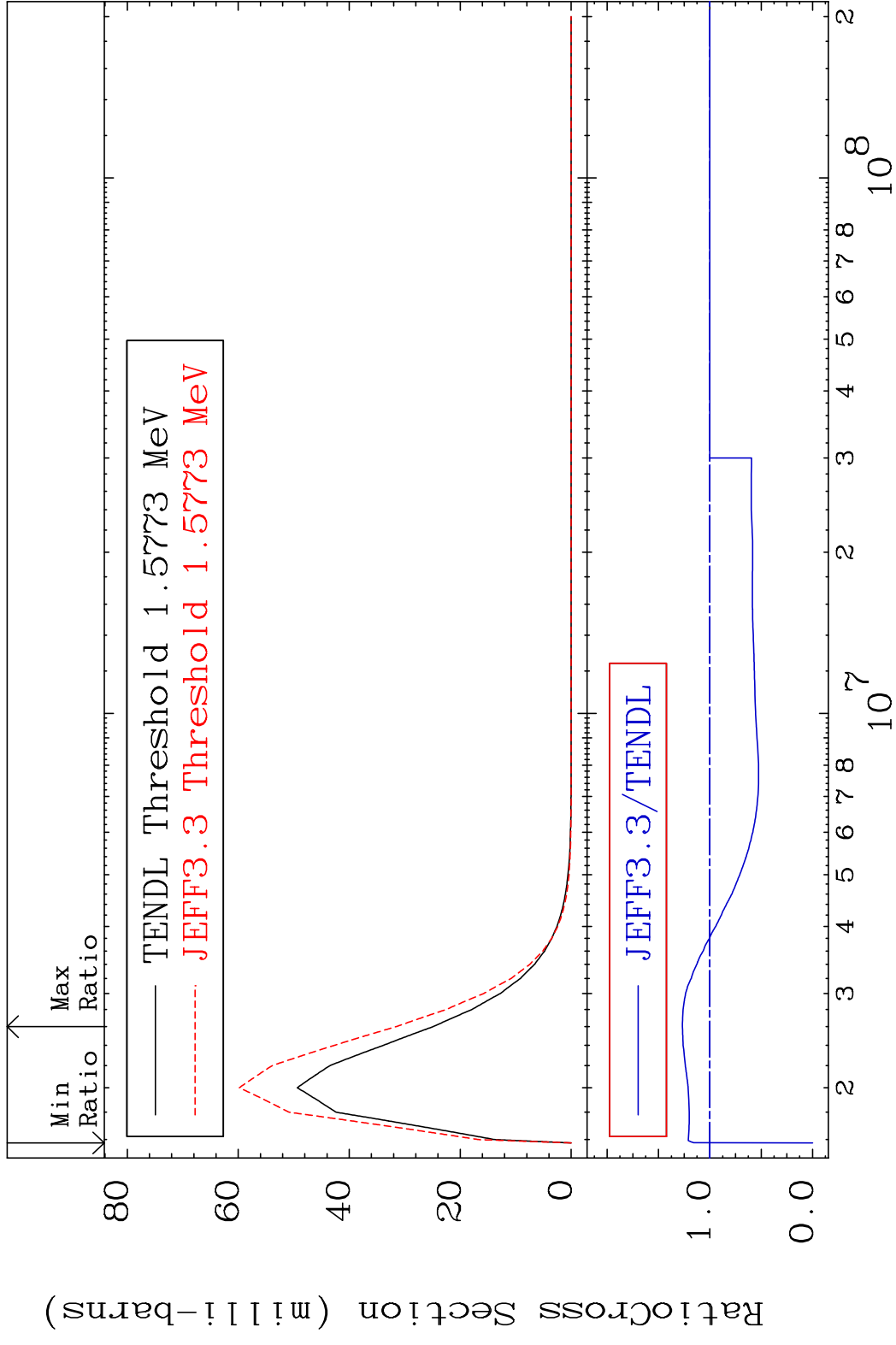


MAT 7643 MT= 71 (n, n') Level 76-0s-190
 Cross Section -100.0 To 16.06 %

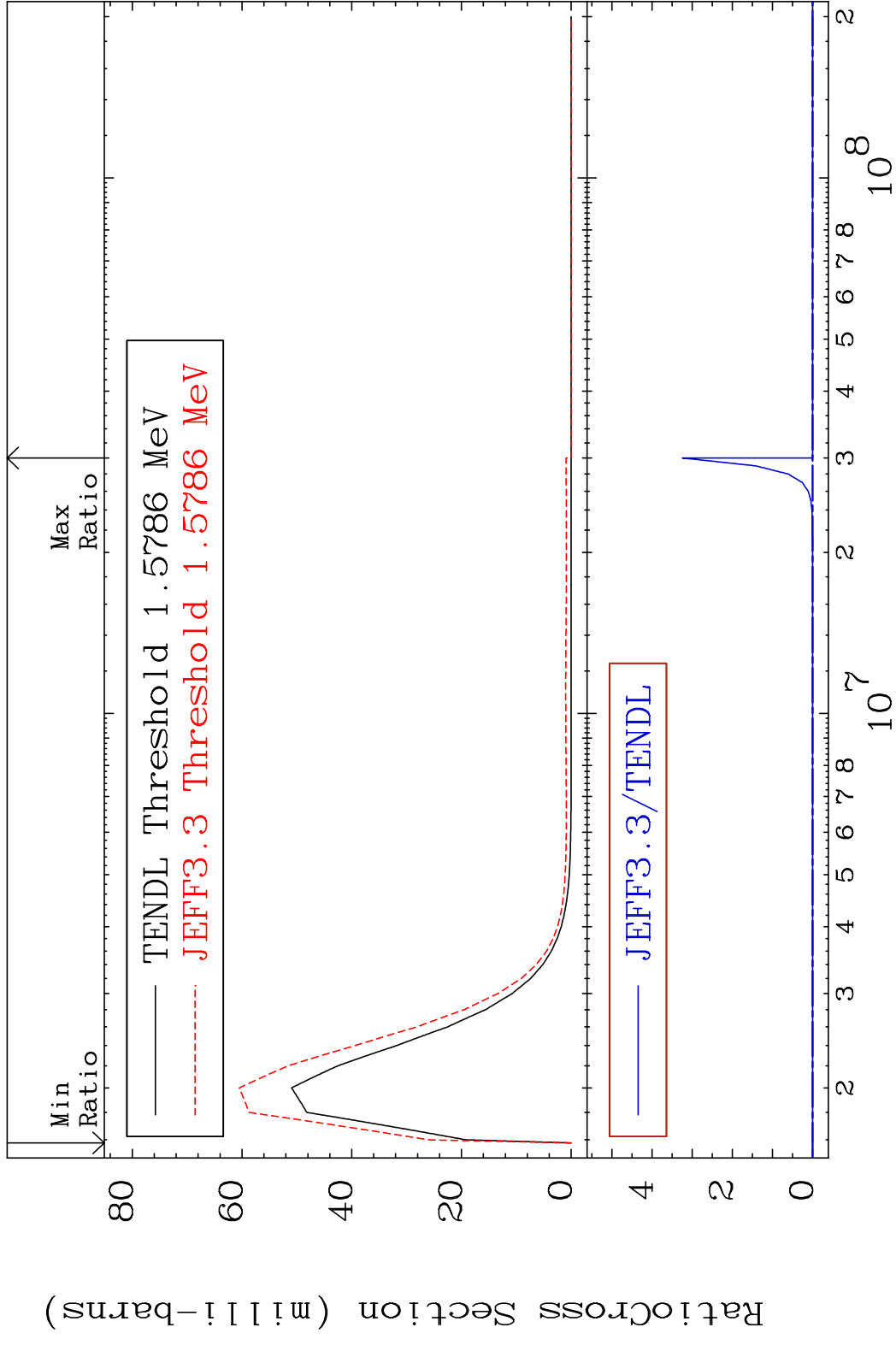


40 Incident Energy (eV) 76-0s-190

MAT 7643 MT= 72 (n,n') Level 76-0s-190
 Cross Section -100.0 To 26.77 %

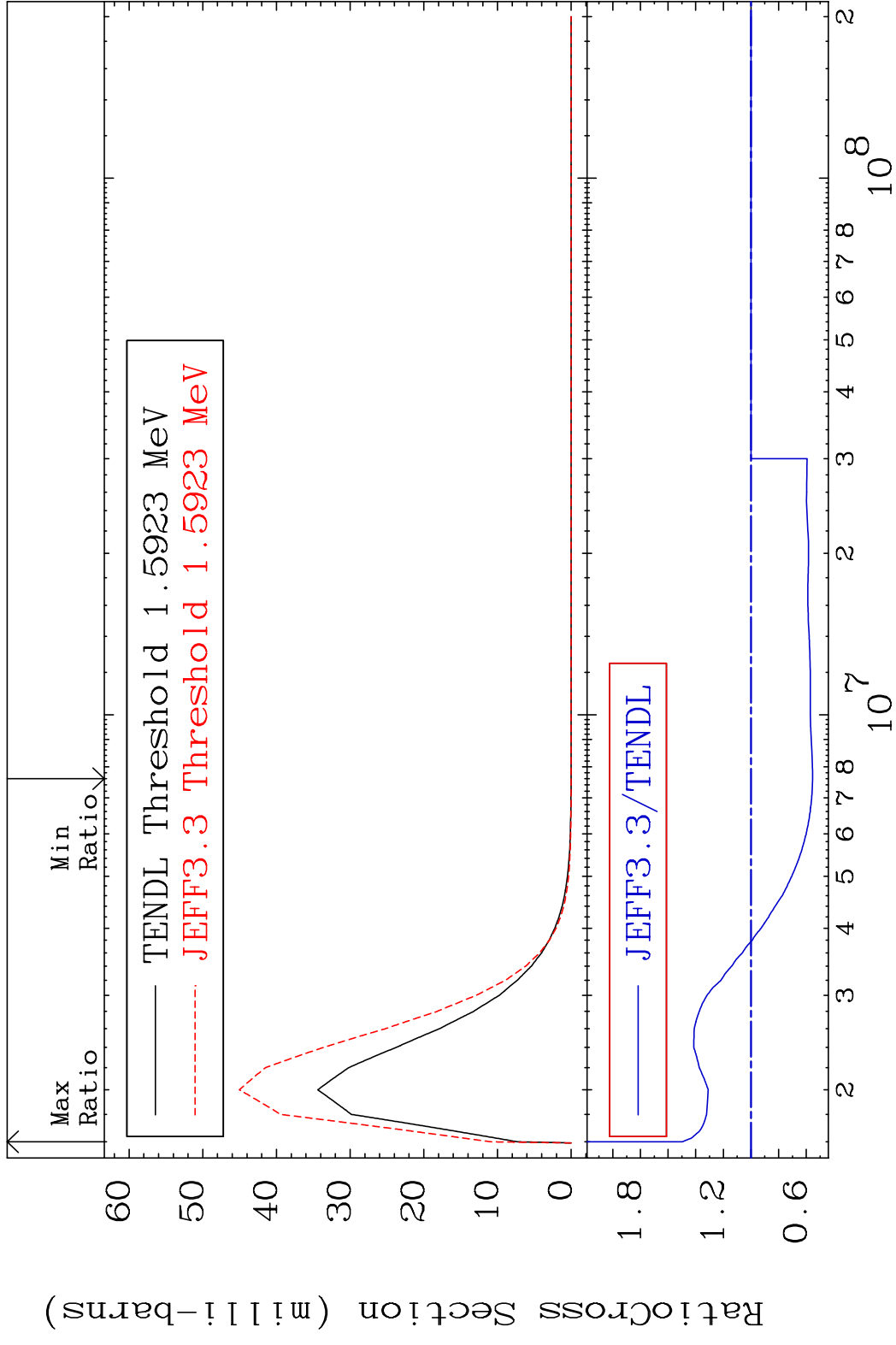


MAT 7643 MT= 73 (n, n') Level 76-0s-190
 Cross Section -100.0 To 9999. %

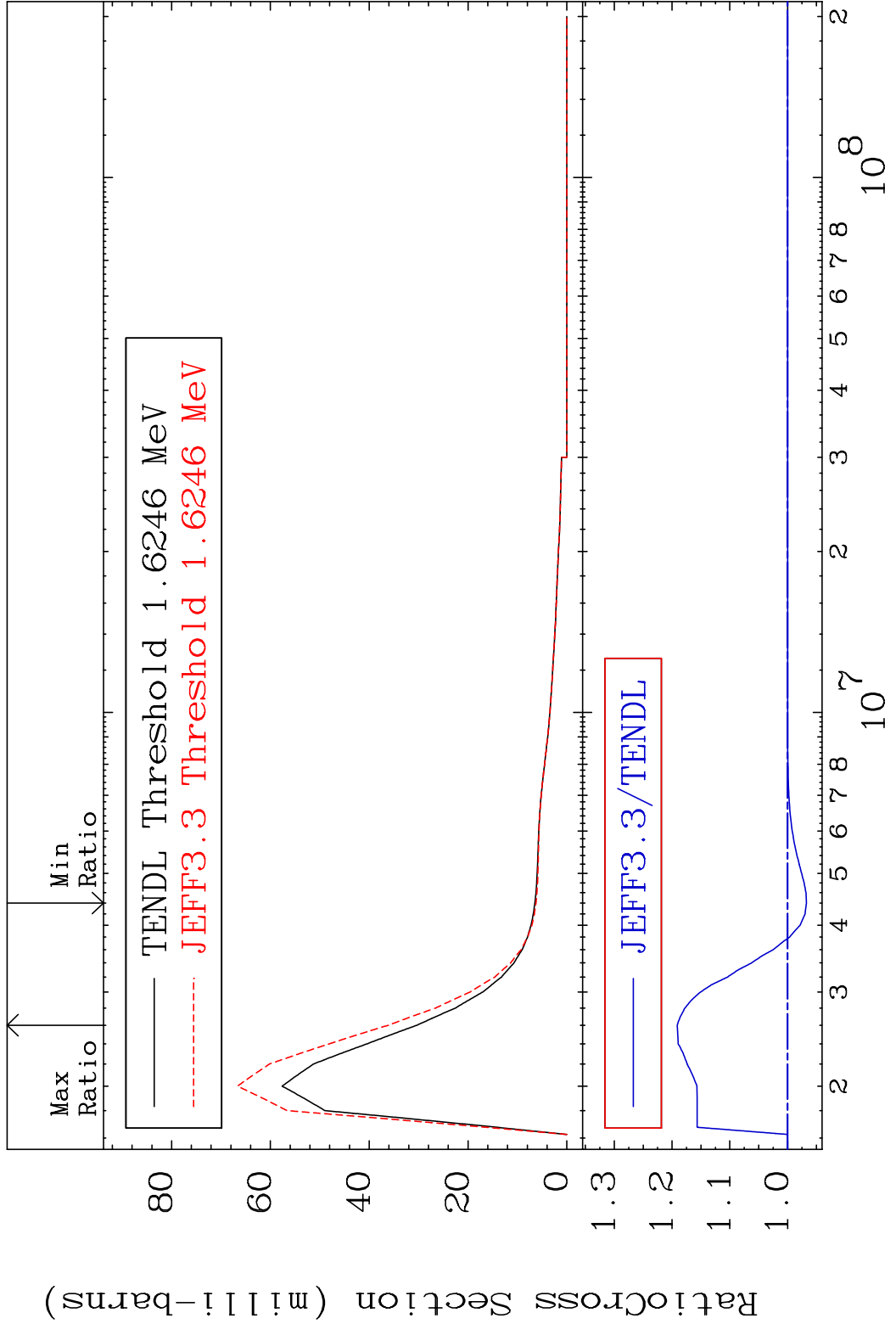


42 Incident Energy (eV) 76-0s-190

MAT 7643 MT= 74 (n,n') Level 76-0s-190
 Cross Section -44.57 To 49.68 %



MAT 7643 MT= 75 (n,n') Level 76-0s-190
 Cross Section -3.257 To 19.11 %

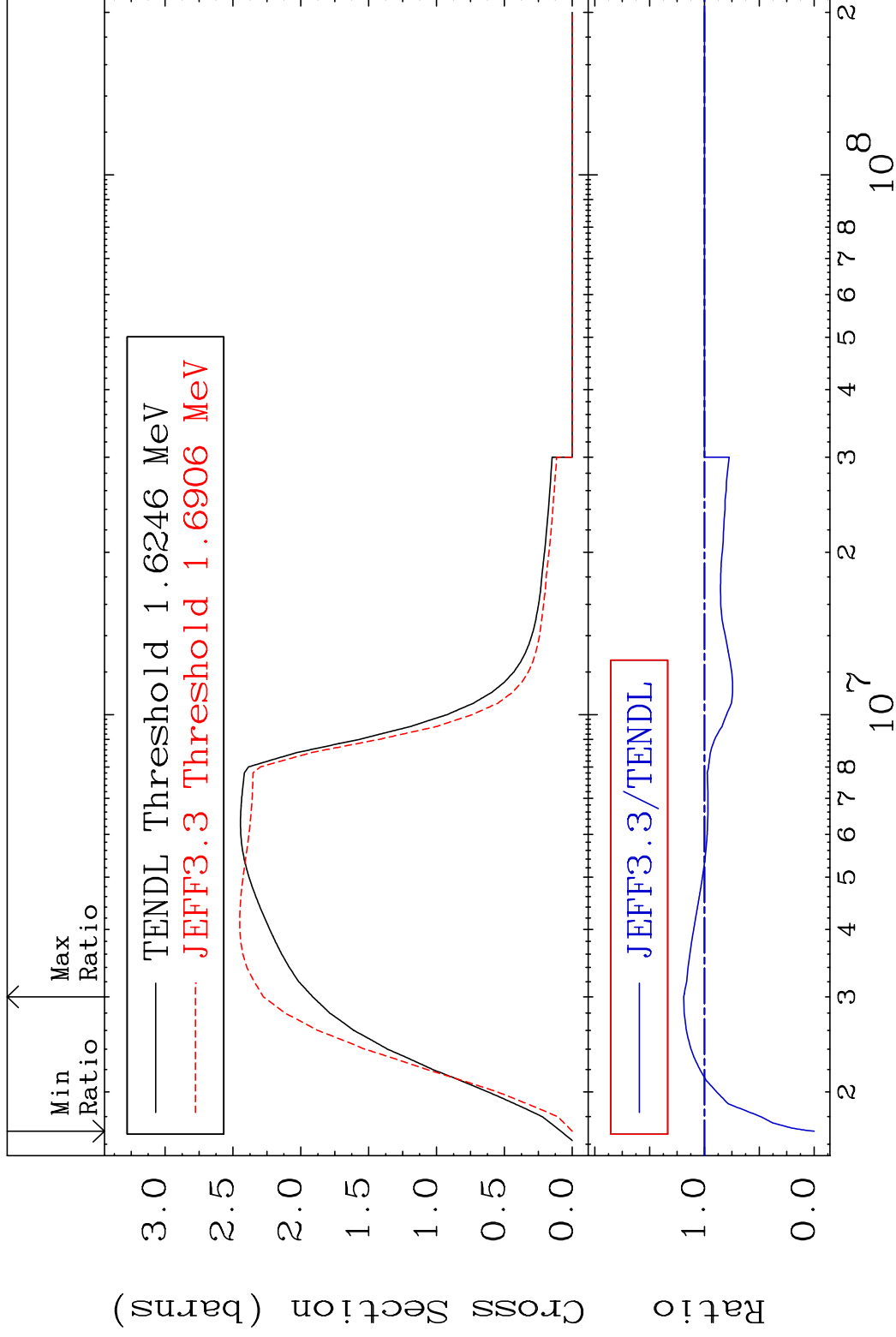


MAT 7643

(n,n') Continuum

76-0s-190

Cross Section -100.0 To 18.97 %



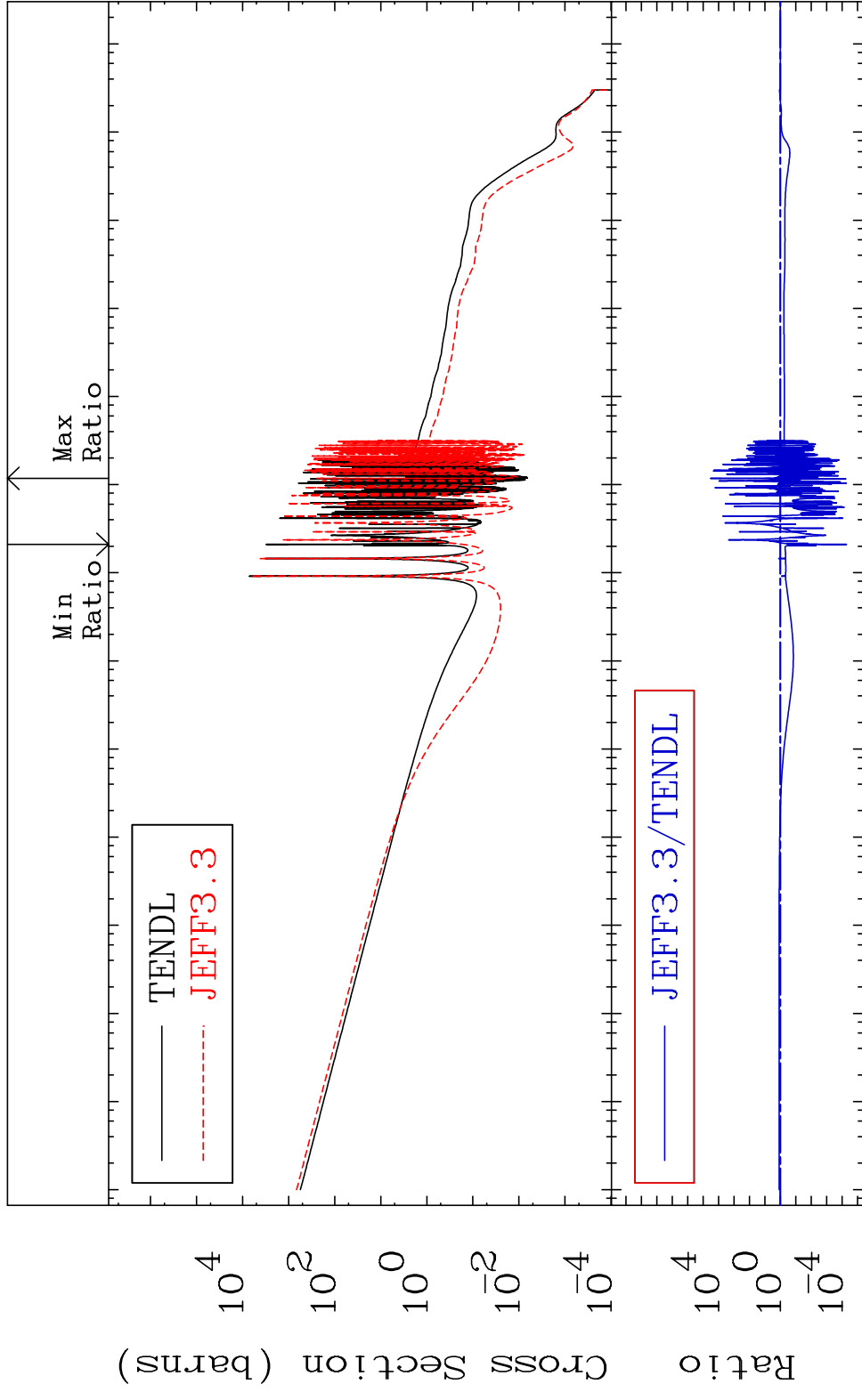
45

Incident Energy (eV)

76-0s-190

MAT 7643

(n, γ)
Cross Section -99.99 To 9999. %
76-0s-190

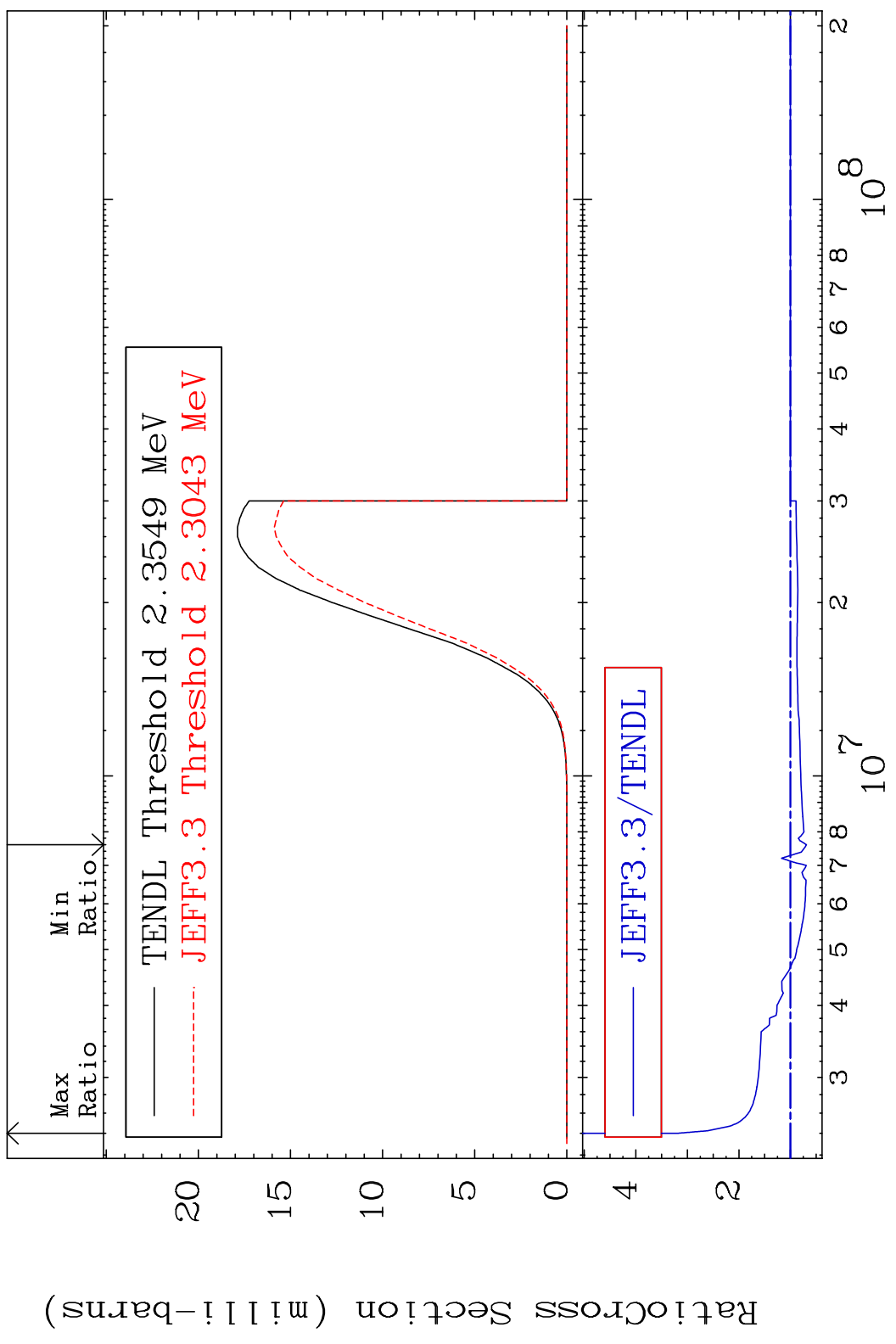


MAT 7643

(n, p)

76-0s-190

Cross Section -30.95 To 219.7 %



47

Incident Energy (eV)

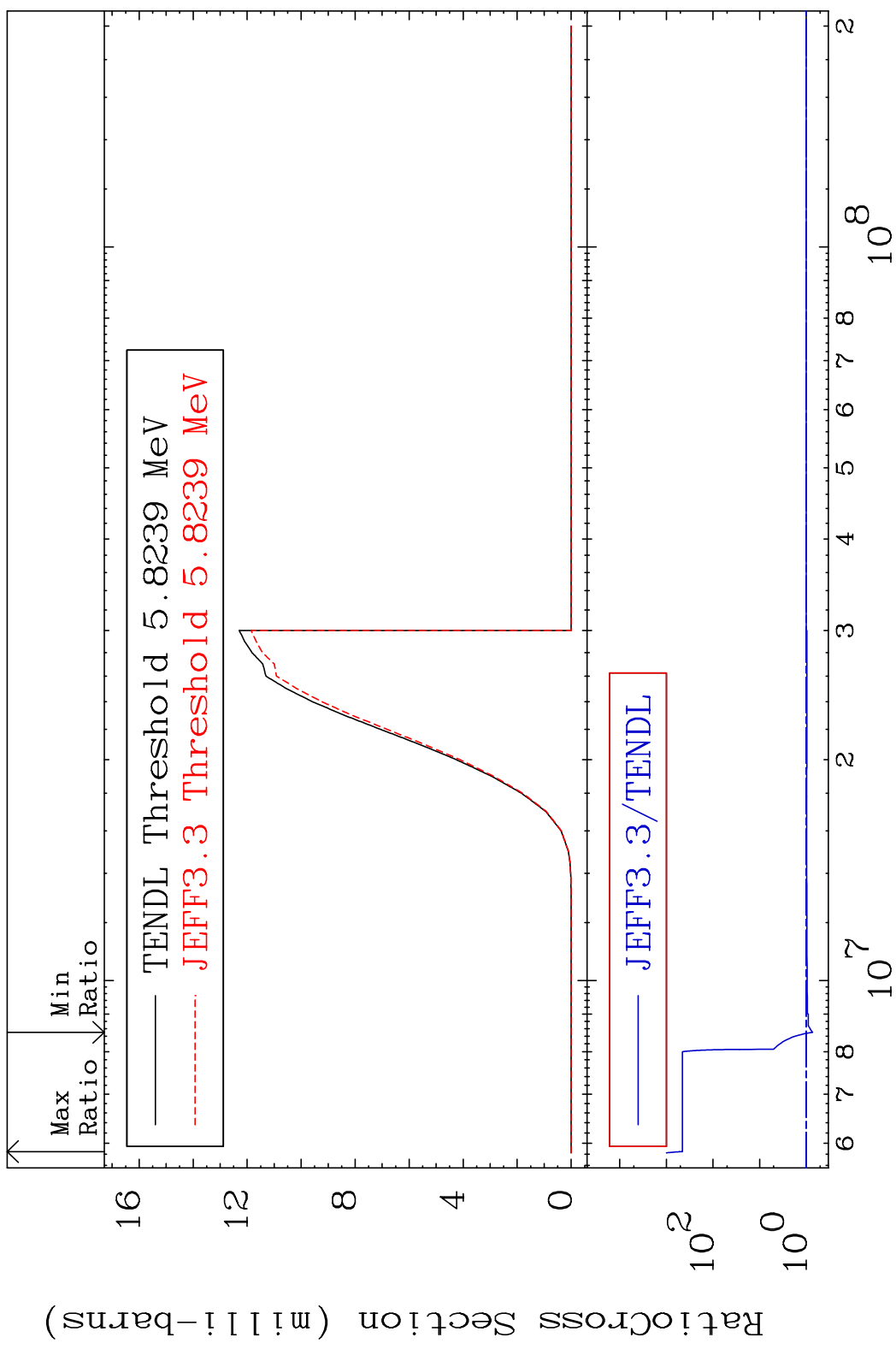
76-0s-190

MAT 7643

(n,d)

76-0s-190

Cross Section -26.94 To 9999. %



48

Incident Energy (eV)

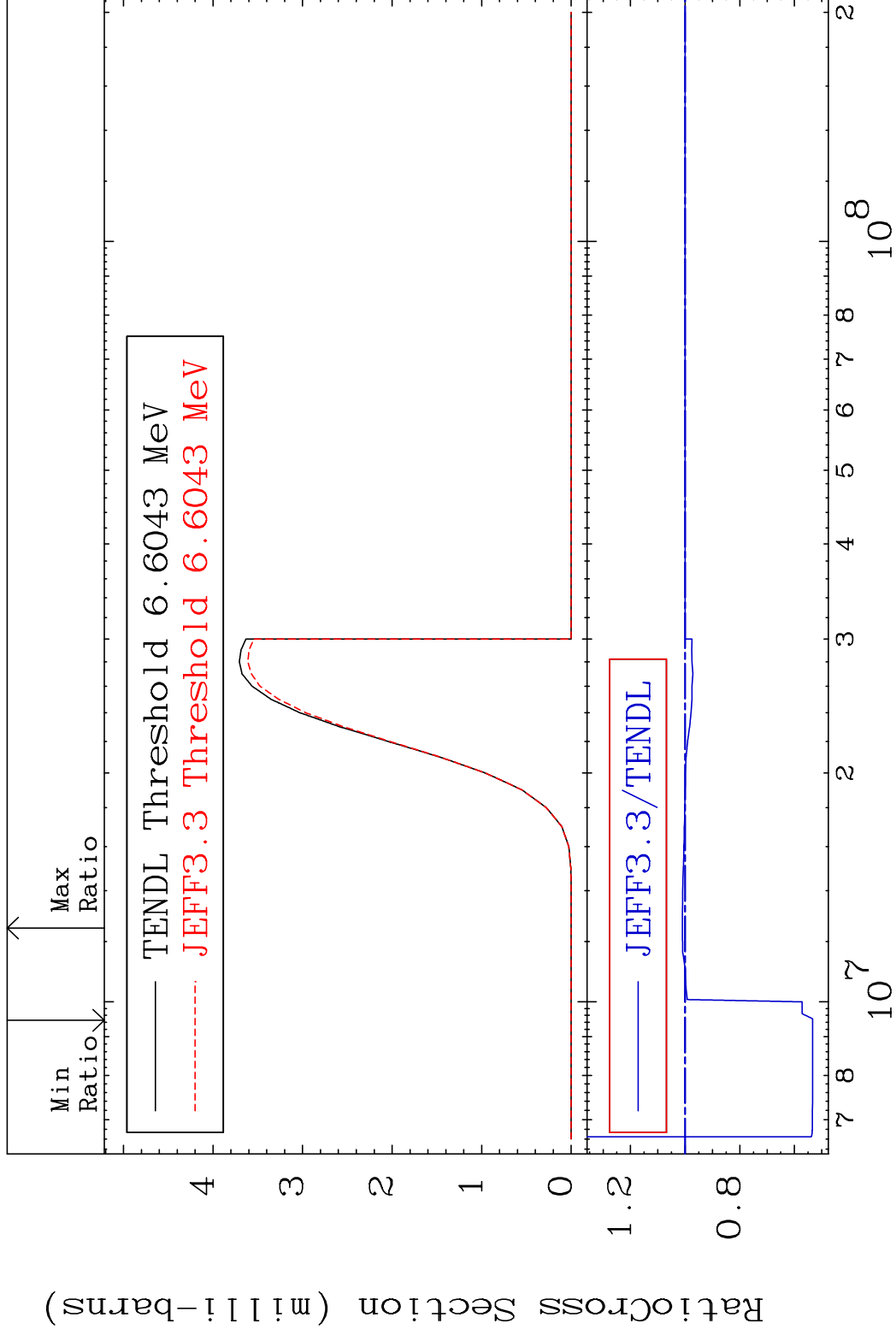
76-0s-190

MAT 7643

(n, t)

76-0s-190

Cross Section -46.63 To 1.020 %



49

Incident Energy (eV)

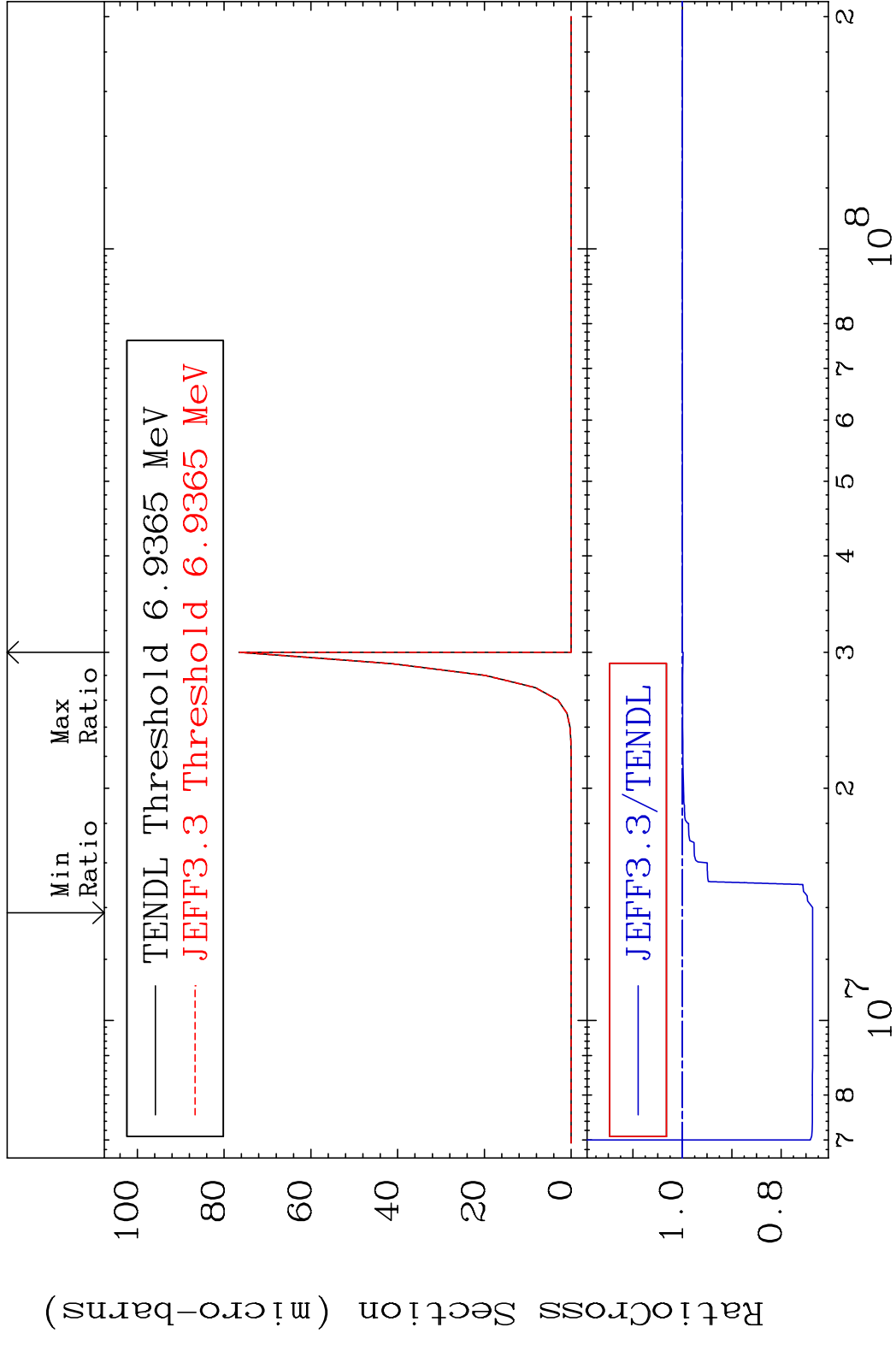
76-0s-190

MAT 7643

(n, He-3)

76-0s-190

Cross Section -26.35 To 0.000 %



50

Incident Energy (eV)

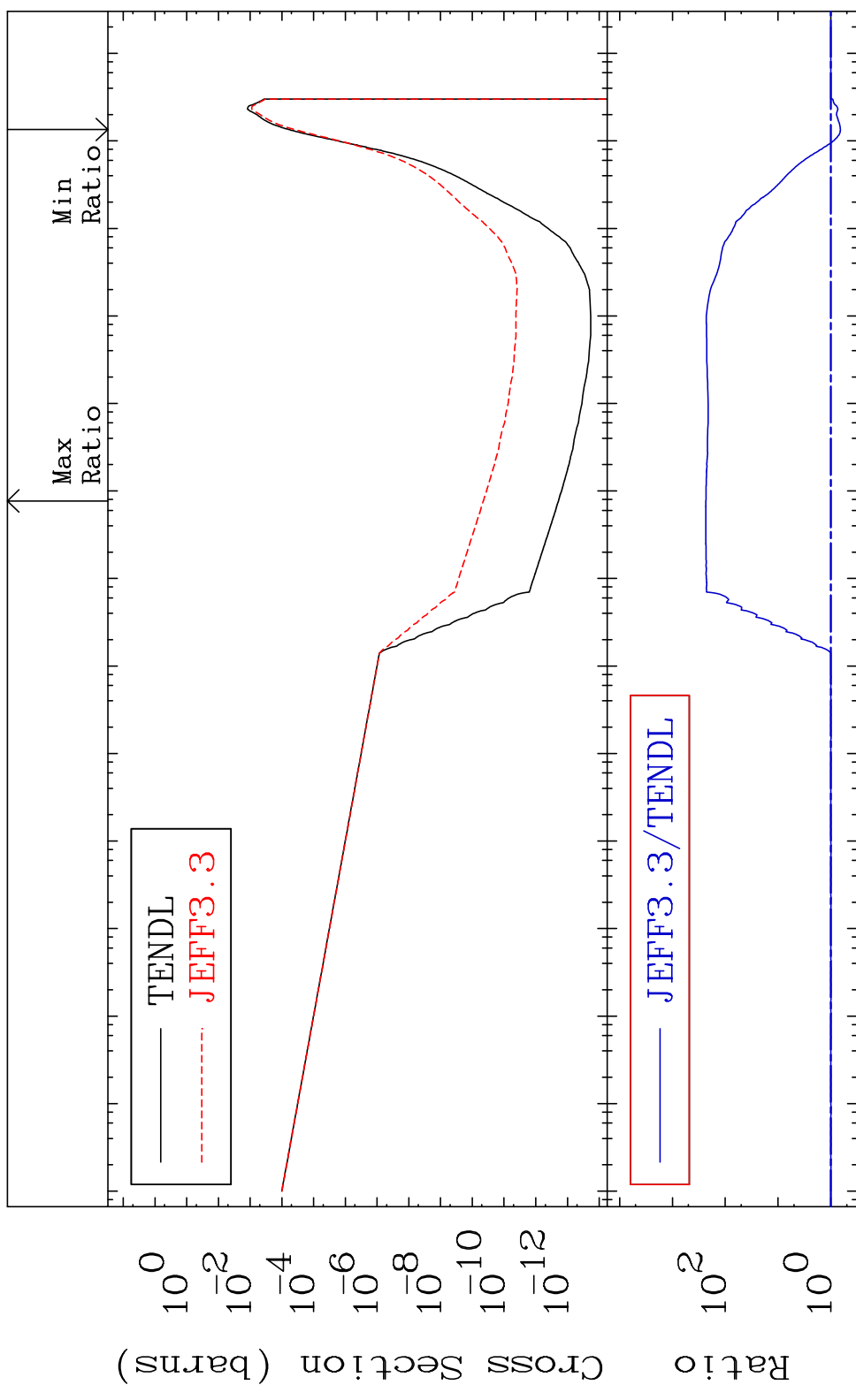
76-0s-190

MAT 7643

(n, α)

76-Os-190

Cross Section -34.16 To 9999. %



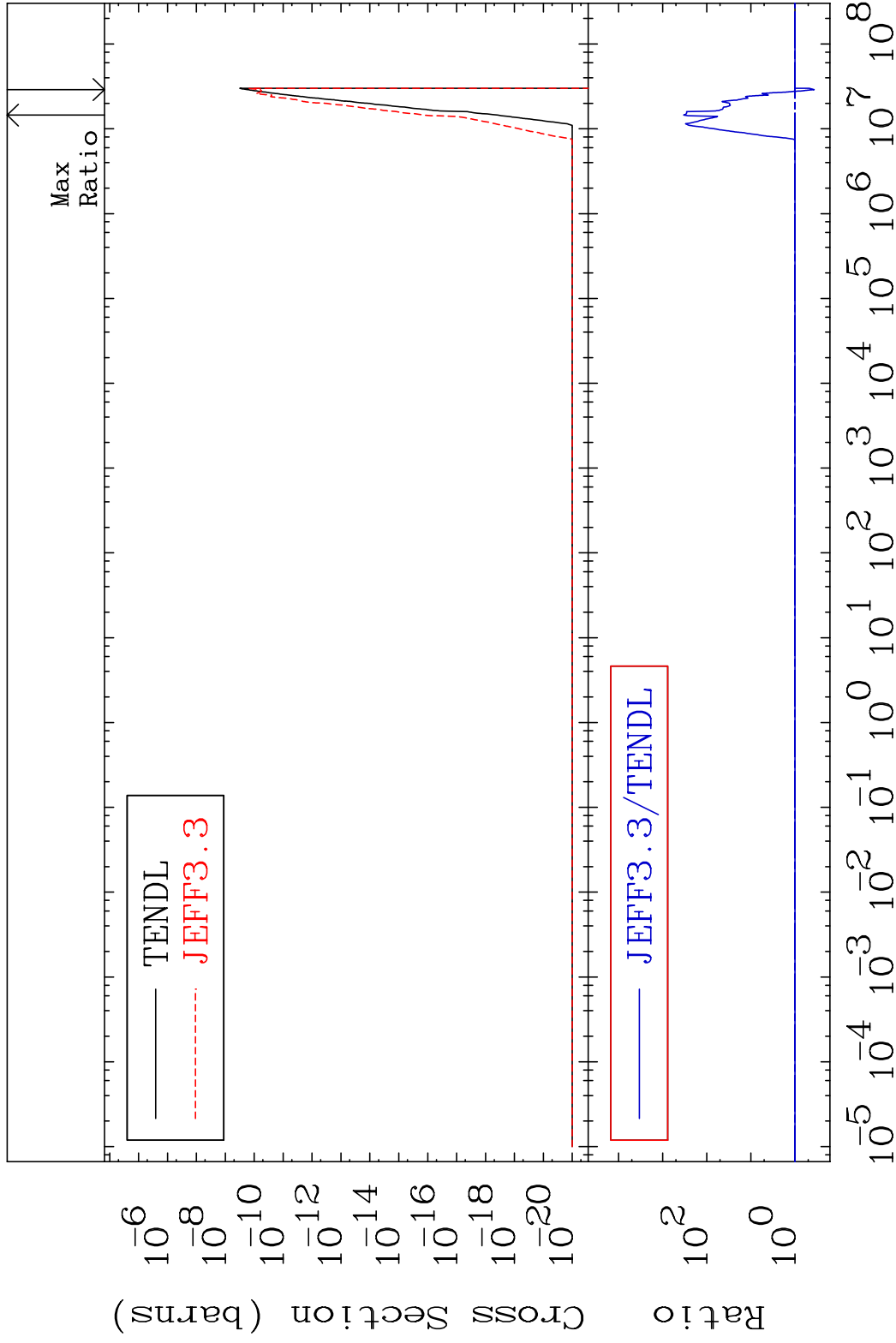
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

MAT 7643

(n, 2α)

76-Os-190

Cross Section -63.41 To 9999. %



52

Incident Energy (eV)

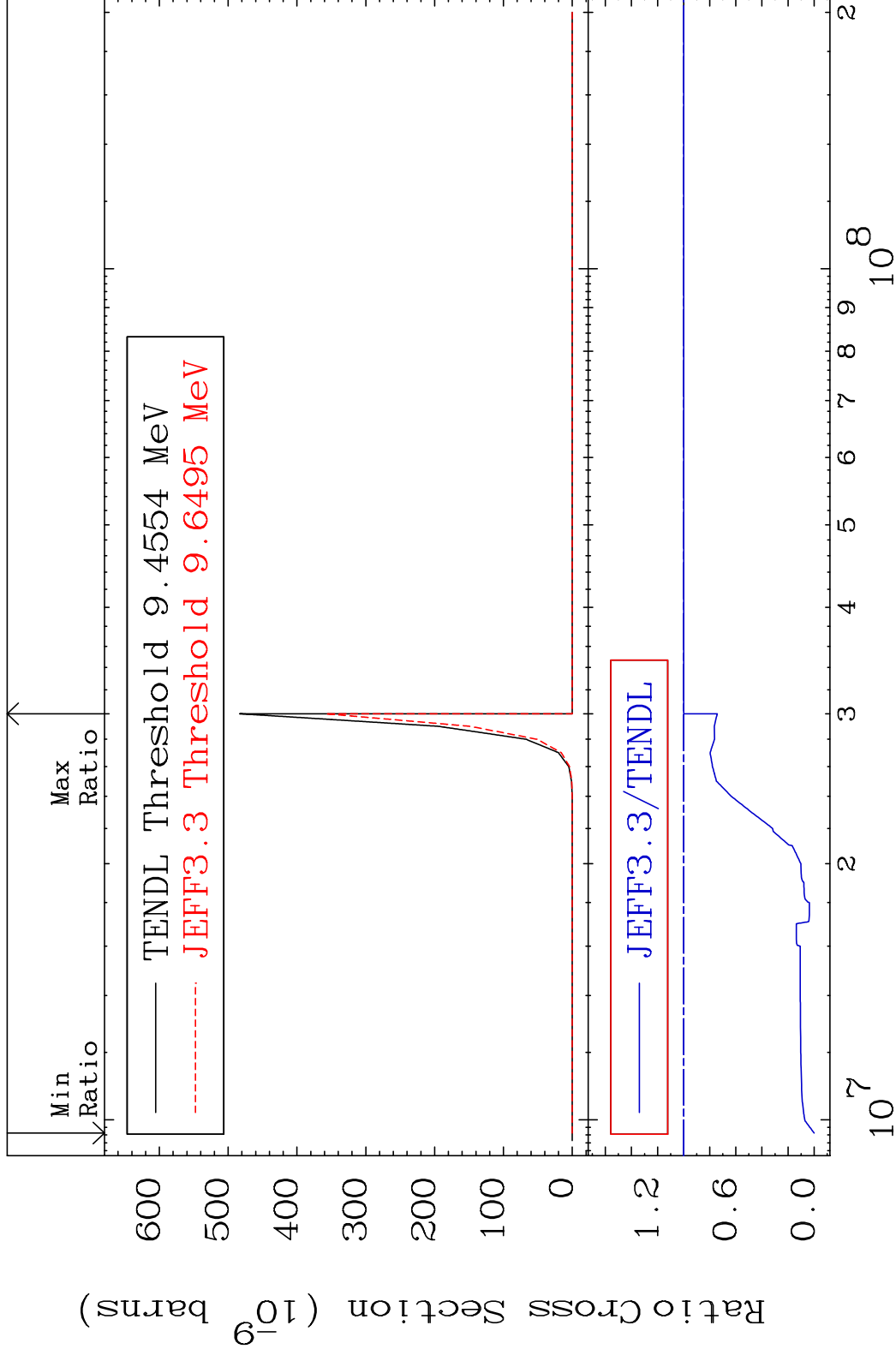
76-Os-190

MAT 7643

(n,2p)

76-0s-190

Cross Section -100.0 To 0.000 %

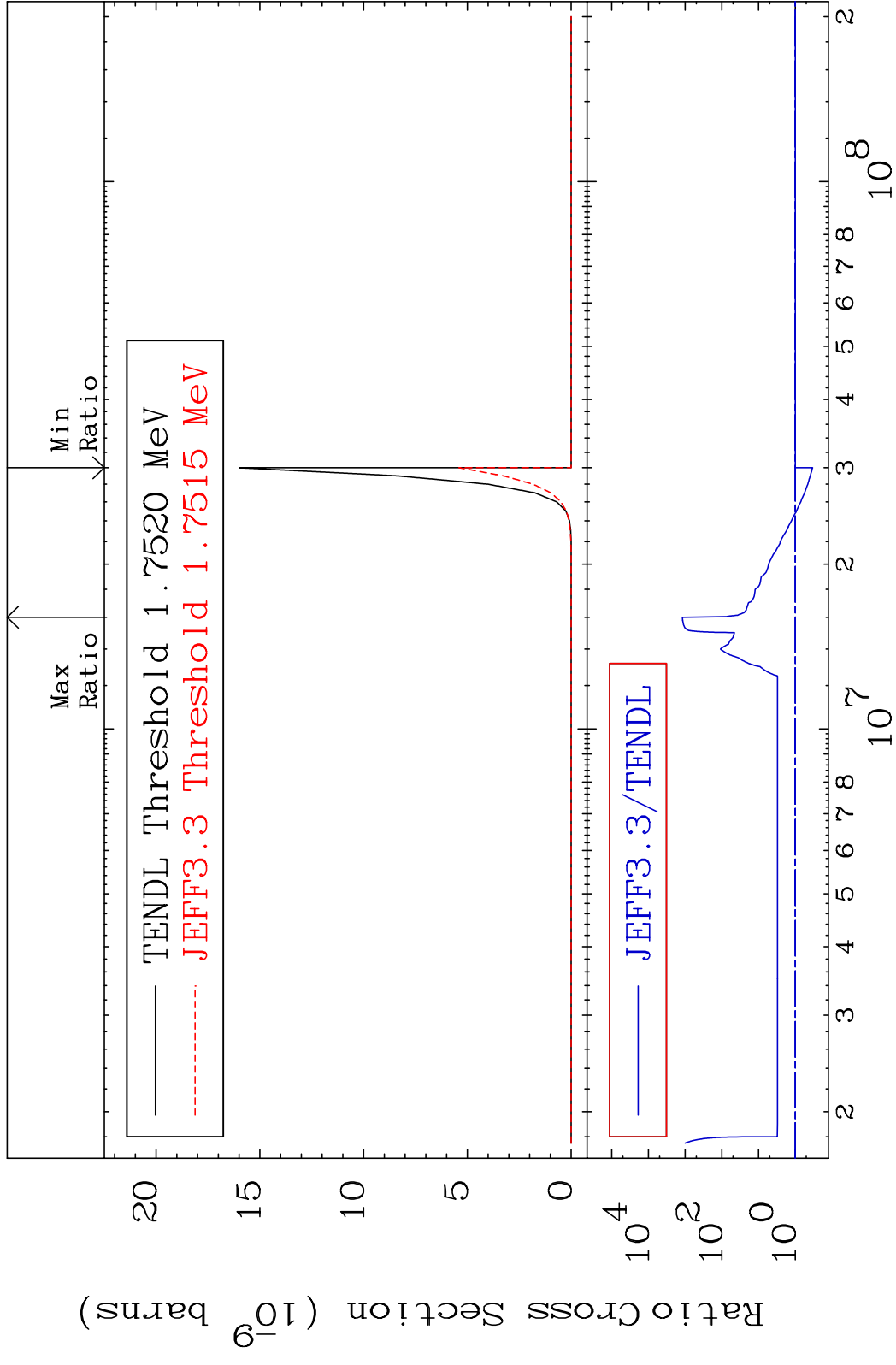


53

Incident Energy (eV)

76-0s-190

MAT 7643 (n,p) α 76-0s-190
 Cross Section -66.19 To 9999. %



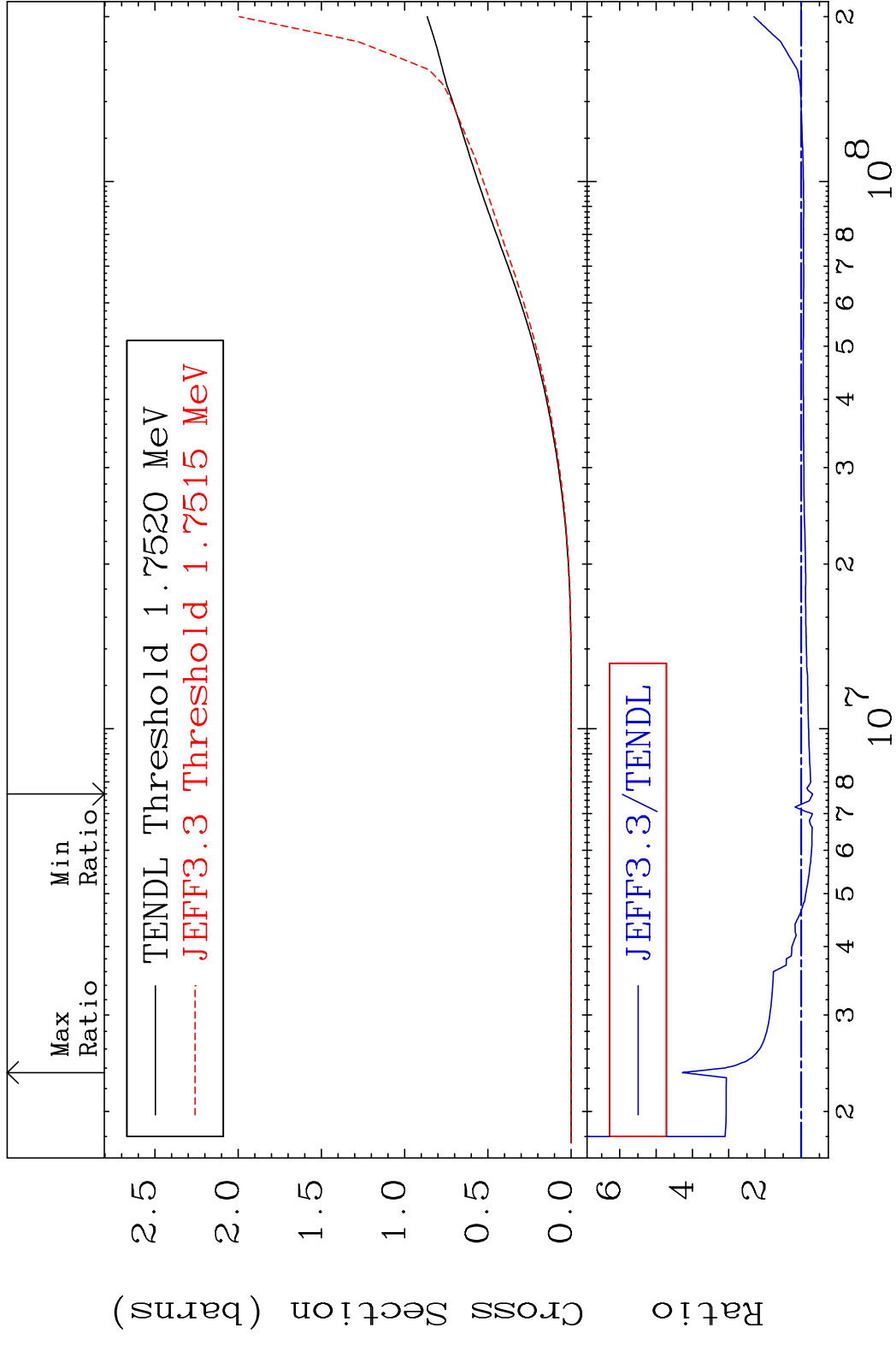
MAT 7643

Hydrogen Production

76-0s-190

Cross Section

-30.95 To 327.6 %

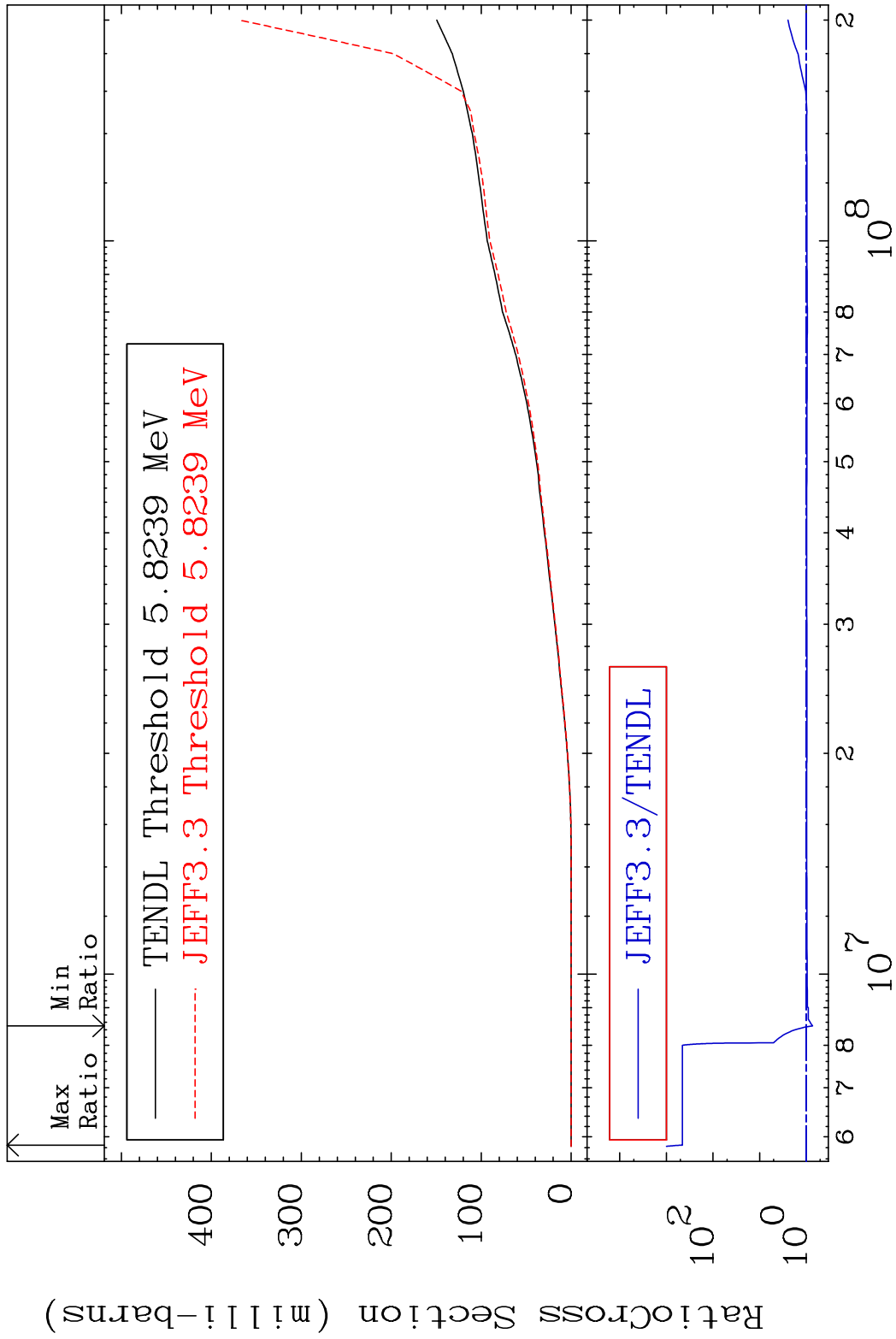


MAT 7643

Deuterium Production

76-0s-190

Cross Section -26.94 To 9999. %



56

Incident Energy (eV)

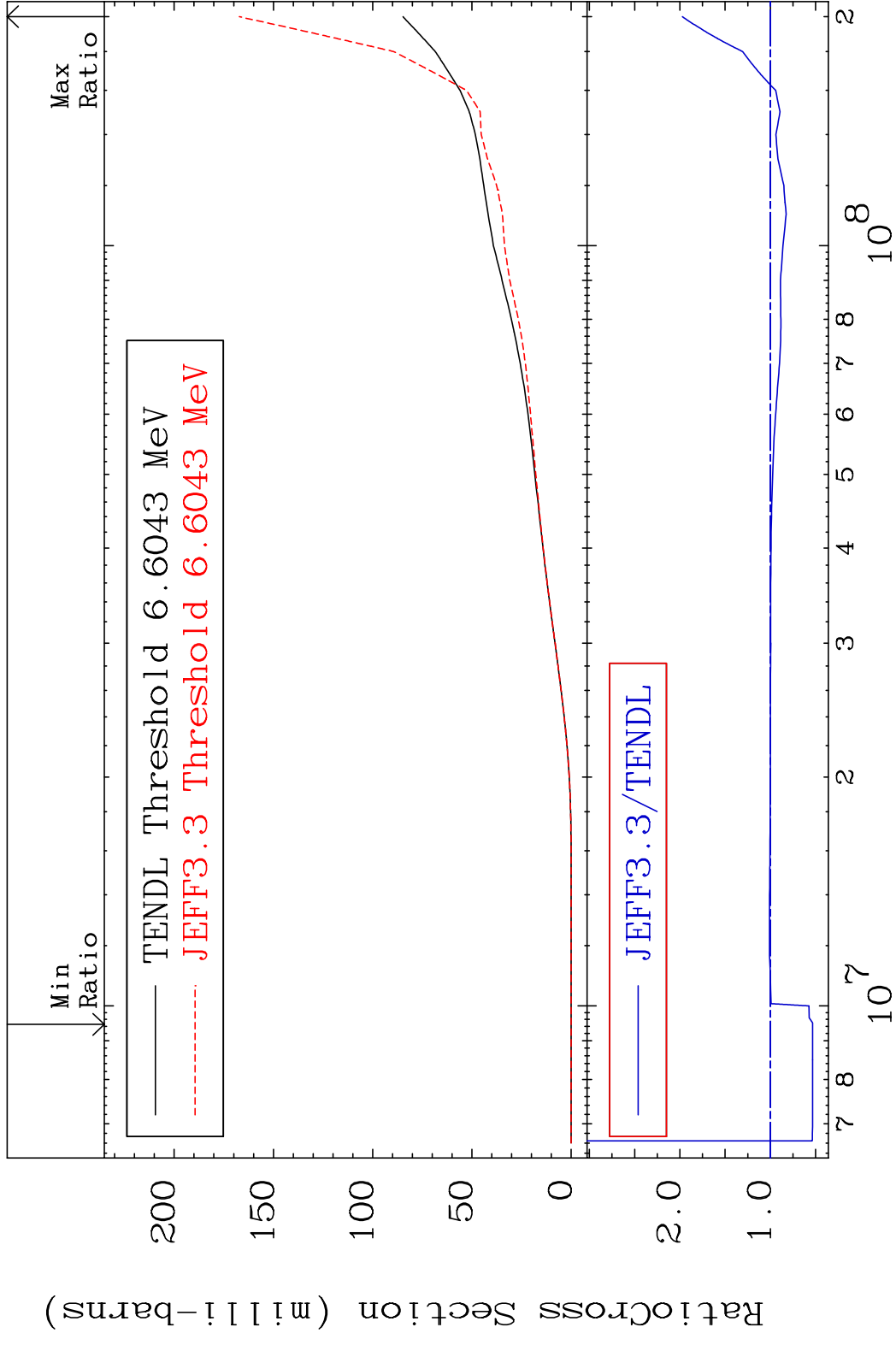
76-0s-190

MAT 7643

Tritium Production

76-0s-190

Cross Section -46.63 To 97.26 %

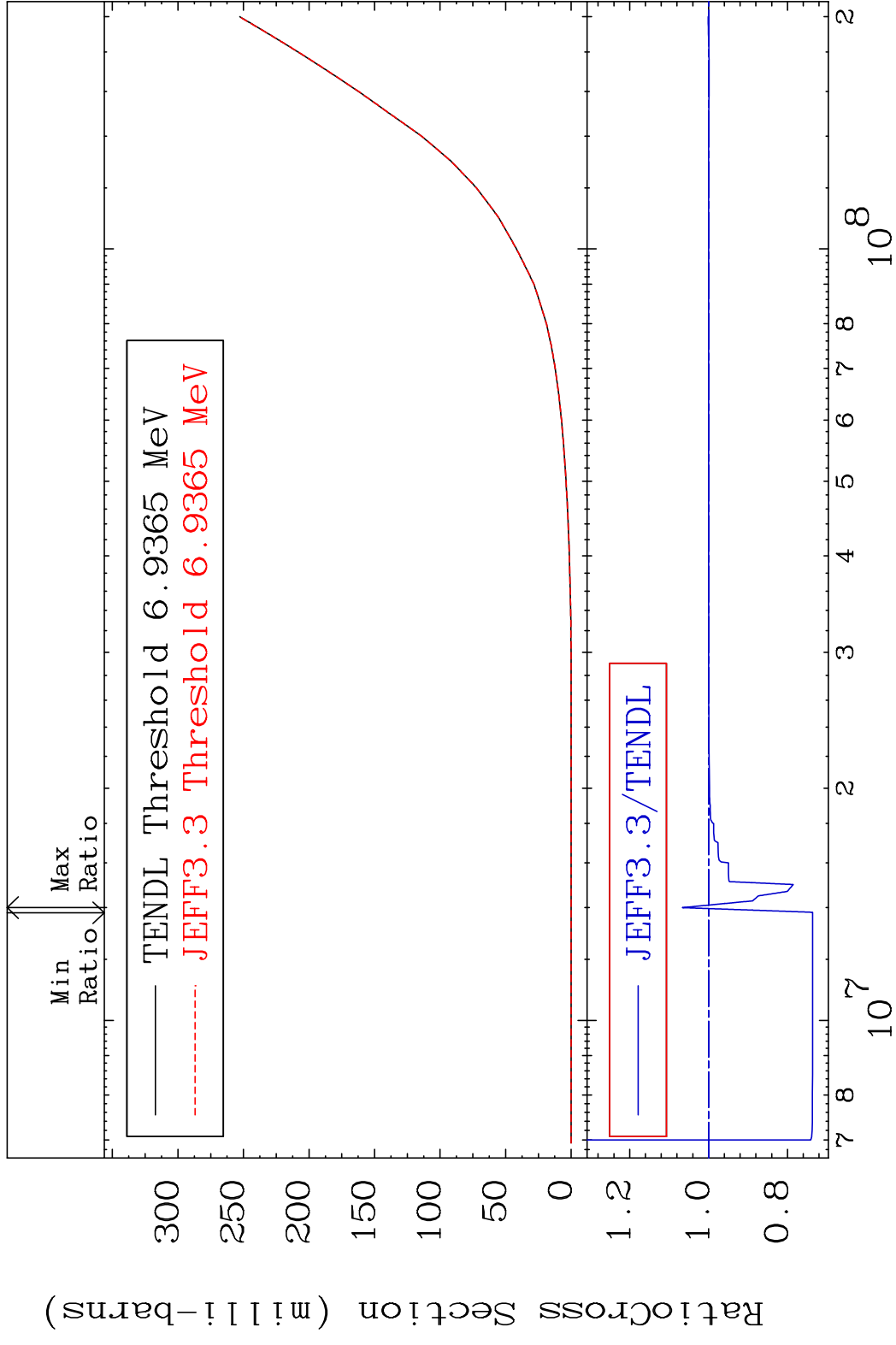


MAT 7643

He-3 Production

76-0s-190

Cross Section -26.35 To 6.649 %

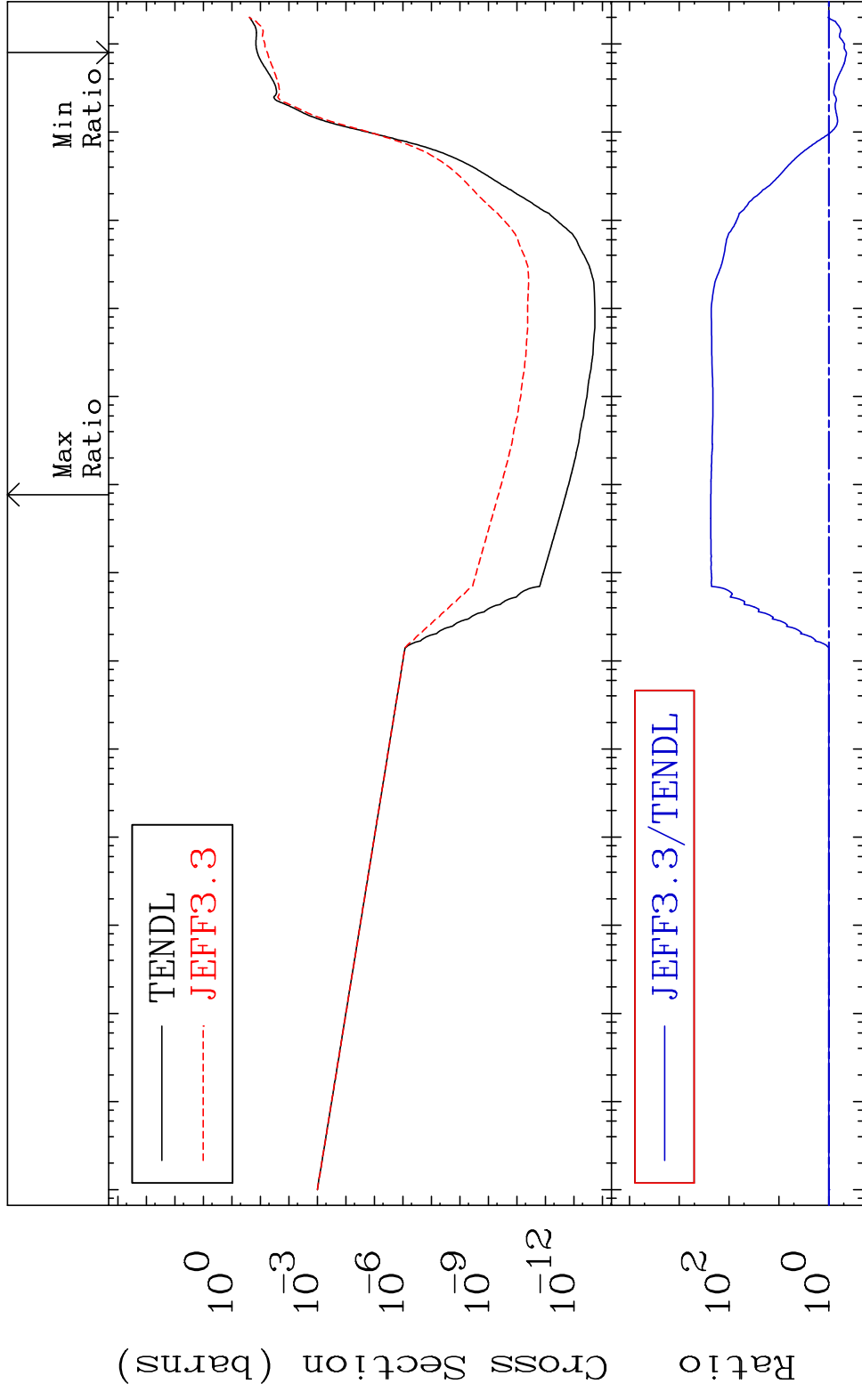


MAT 7643

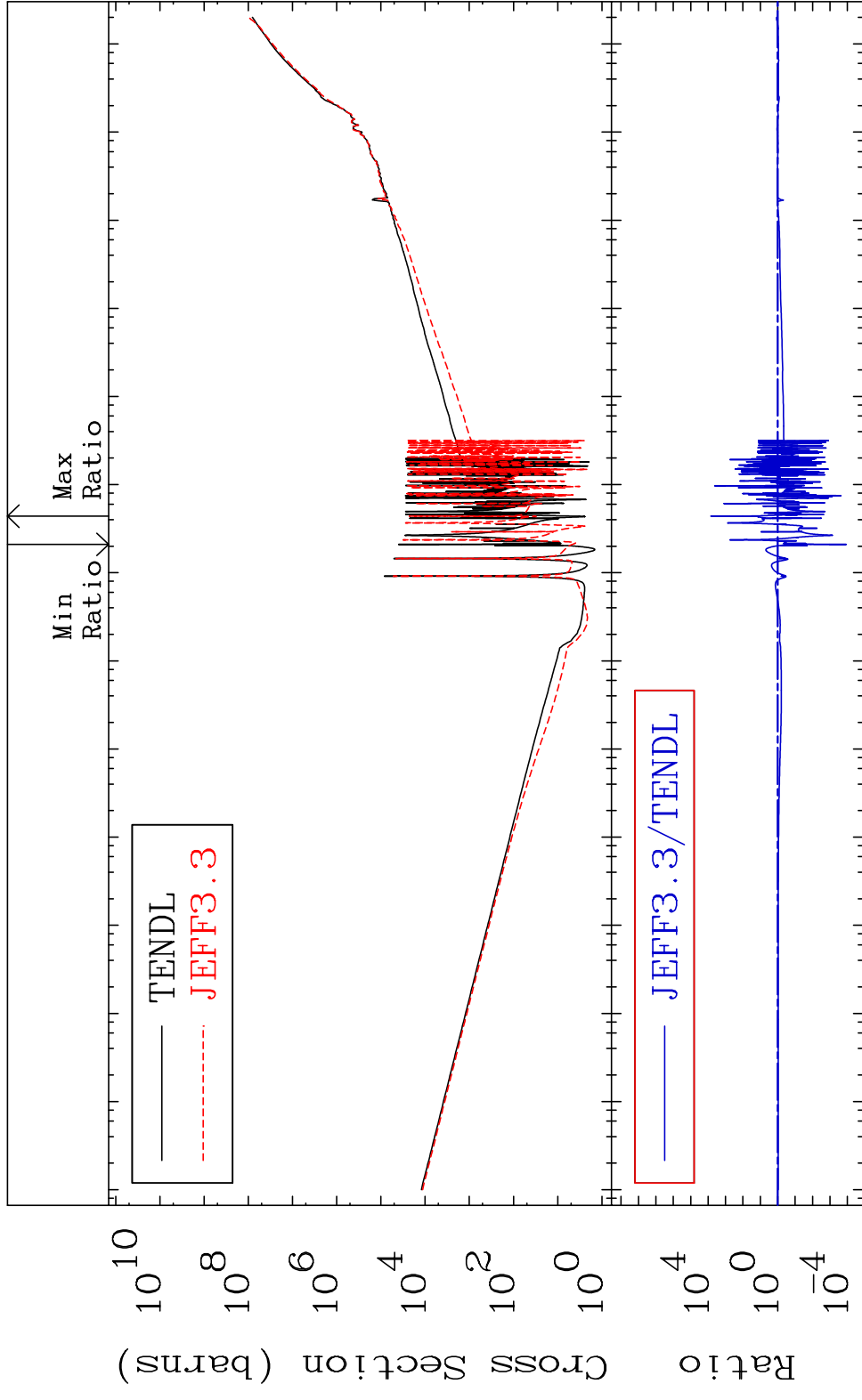
He-4 Production

76-0s-190

Cross Section -55.50 To 9999. %



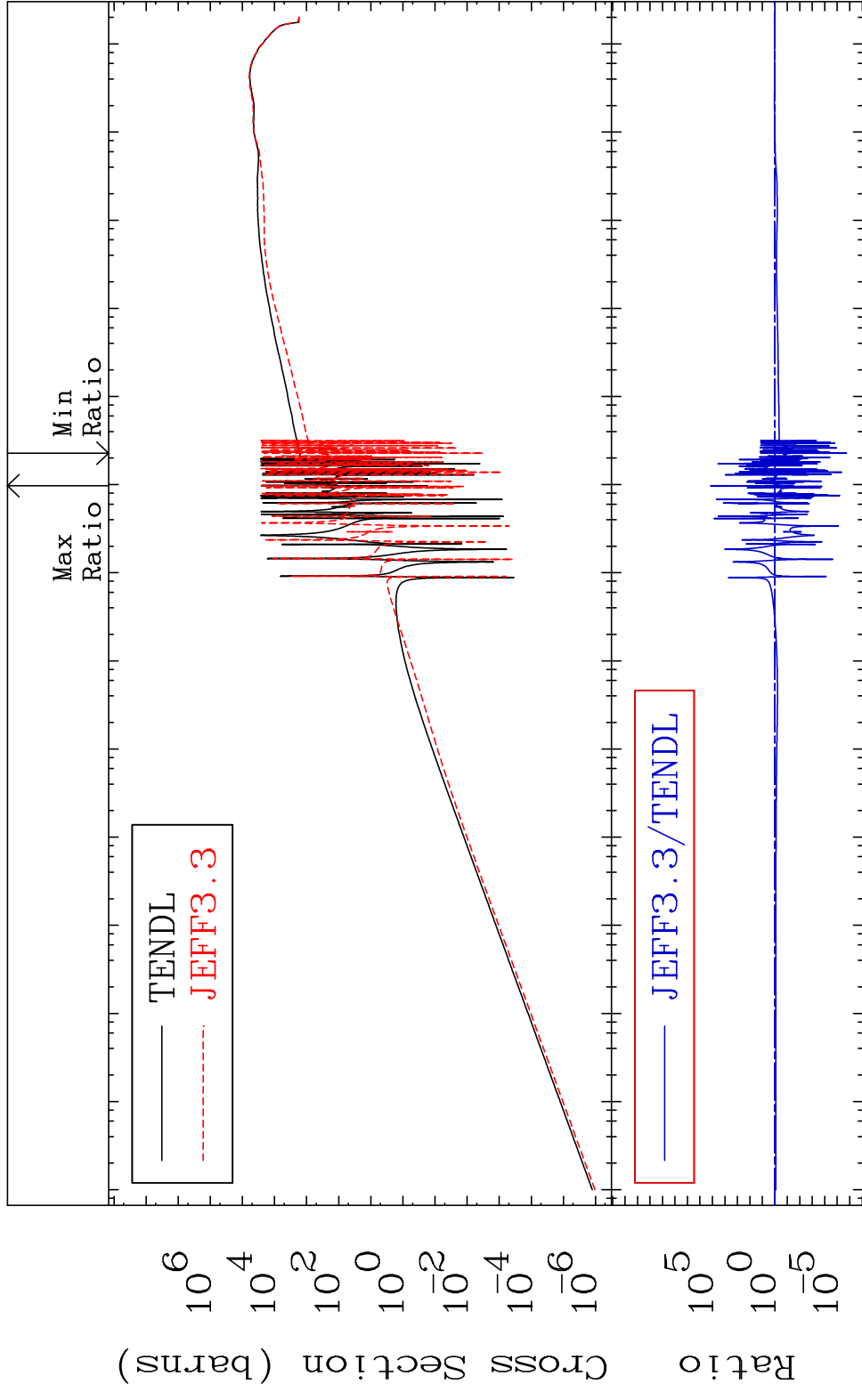
MAT 7643 Kerma total (eV-barns) 76-0s-190
 Cross Section -99.99 To 9999. %



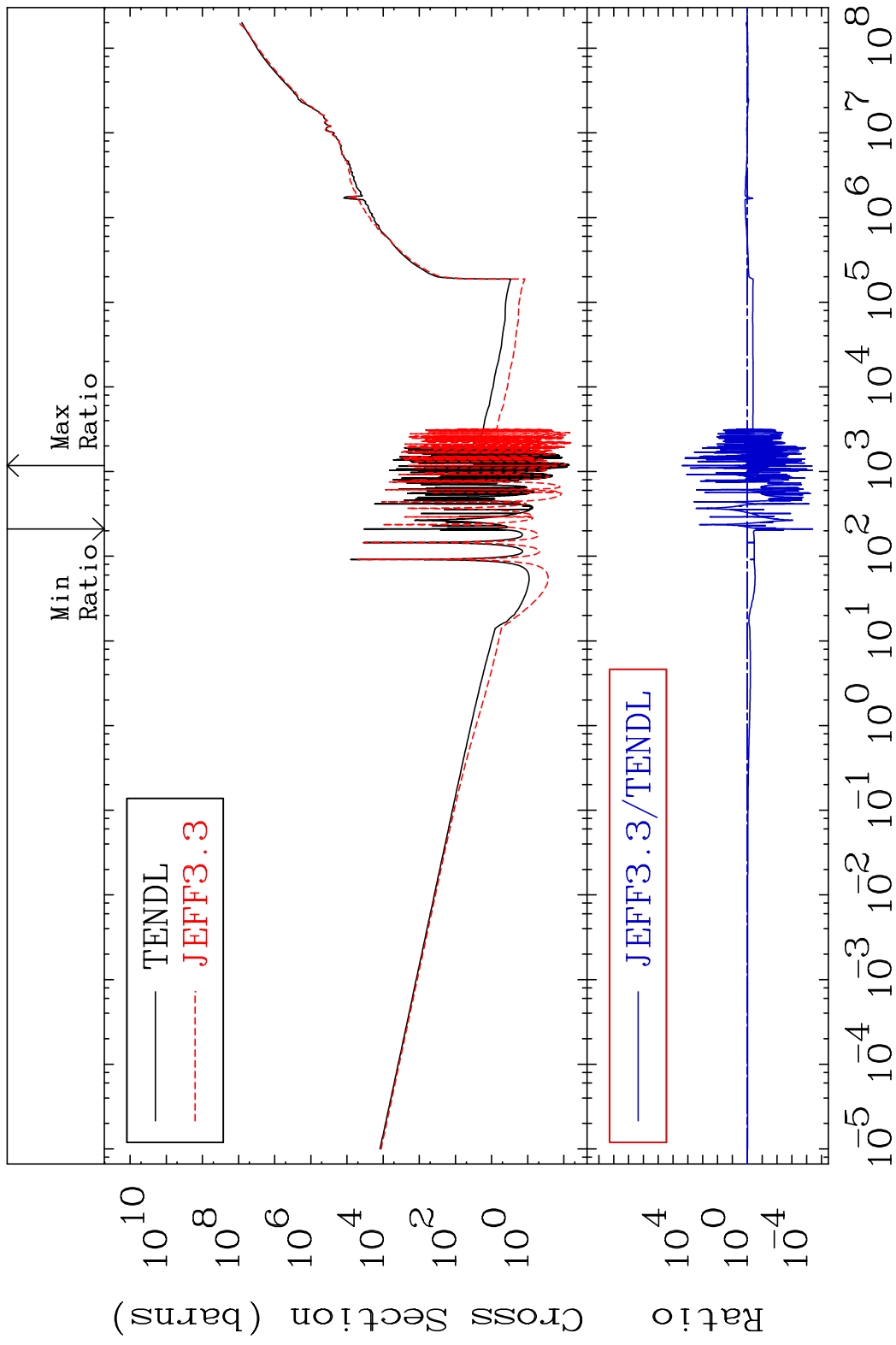
60 Incident Energy (eV) 76-0s-190

MAT 7643

Kerma elastic Cross Section -100.0 To 9999. %
76-0s-190

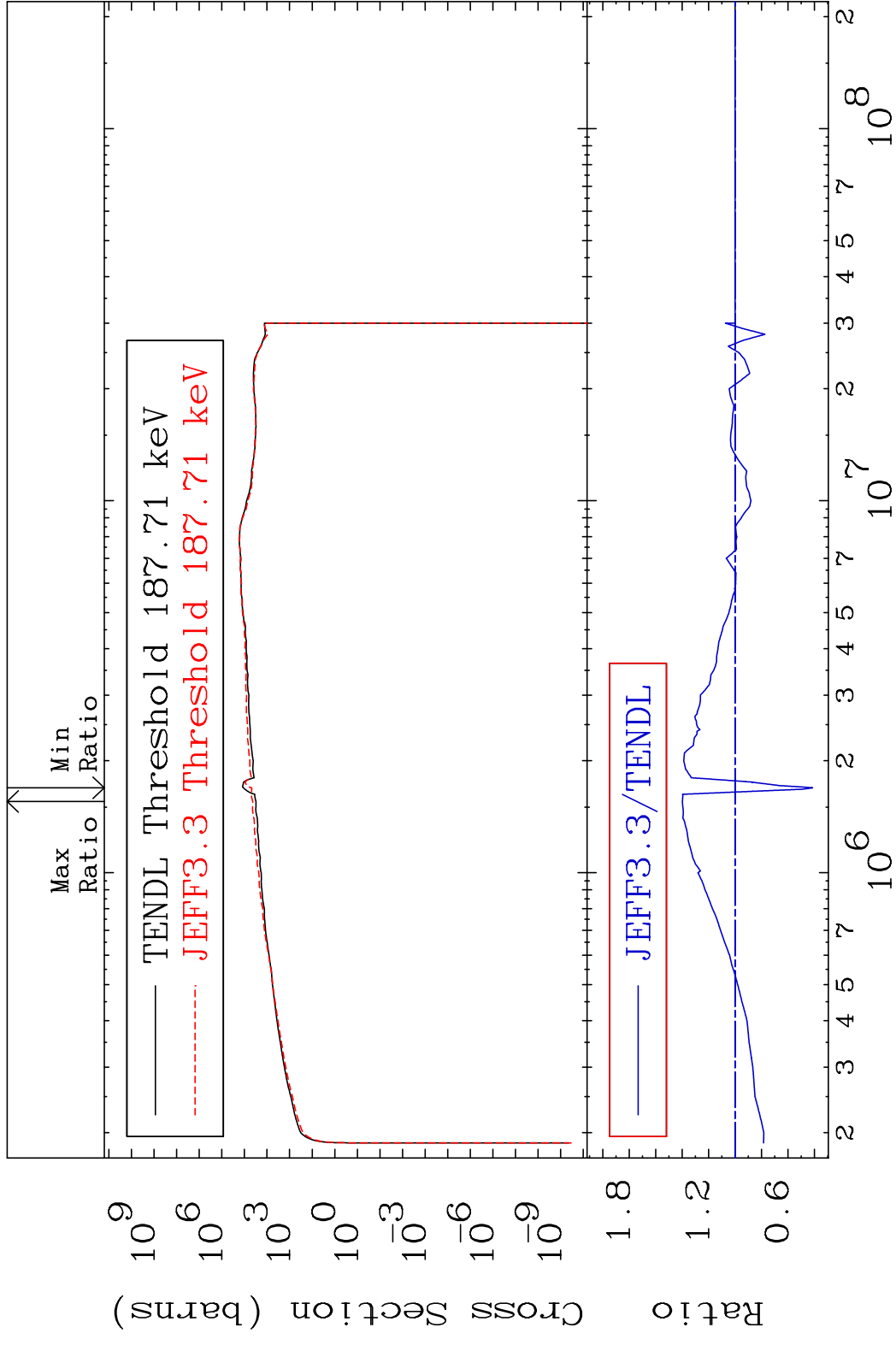


MAT 7643 Kerma non-elastic (all but mt2) 76-Os-190
 Cross Section -100.0 To 9999. %

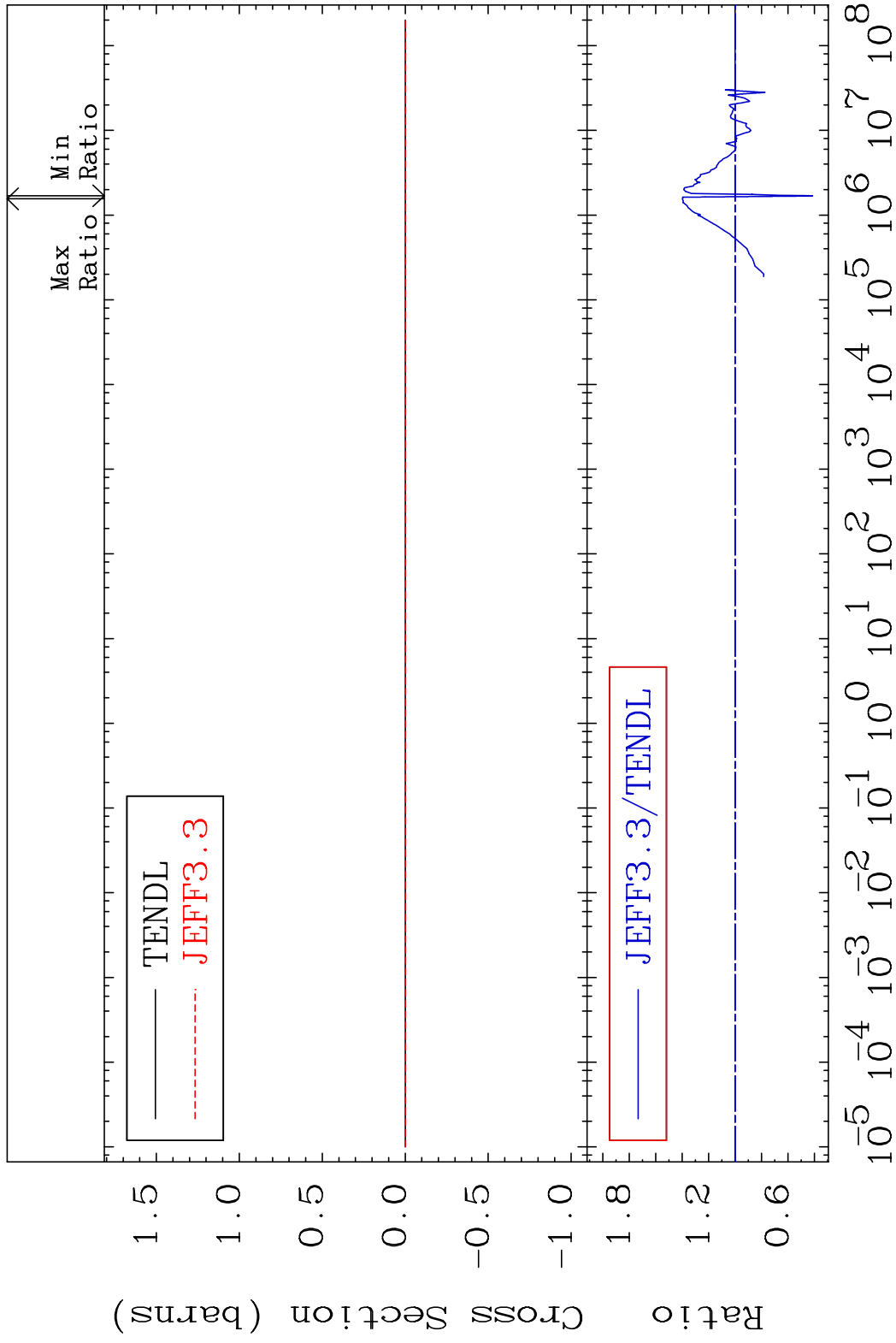


62 Incident Energy (eV) 76-Os-190

MAT 7643 Kerma inelastic (mt51-91) 76-0s-190
 Cross Section -58.59 To 39.89 %

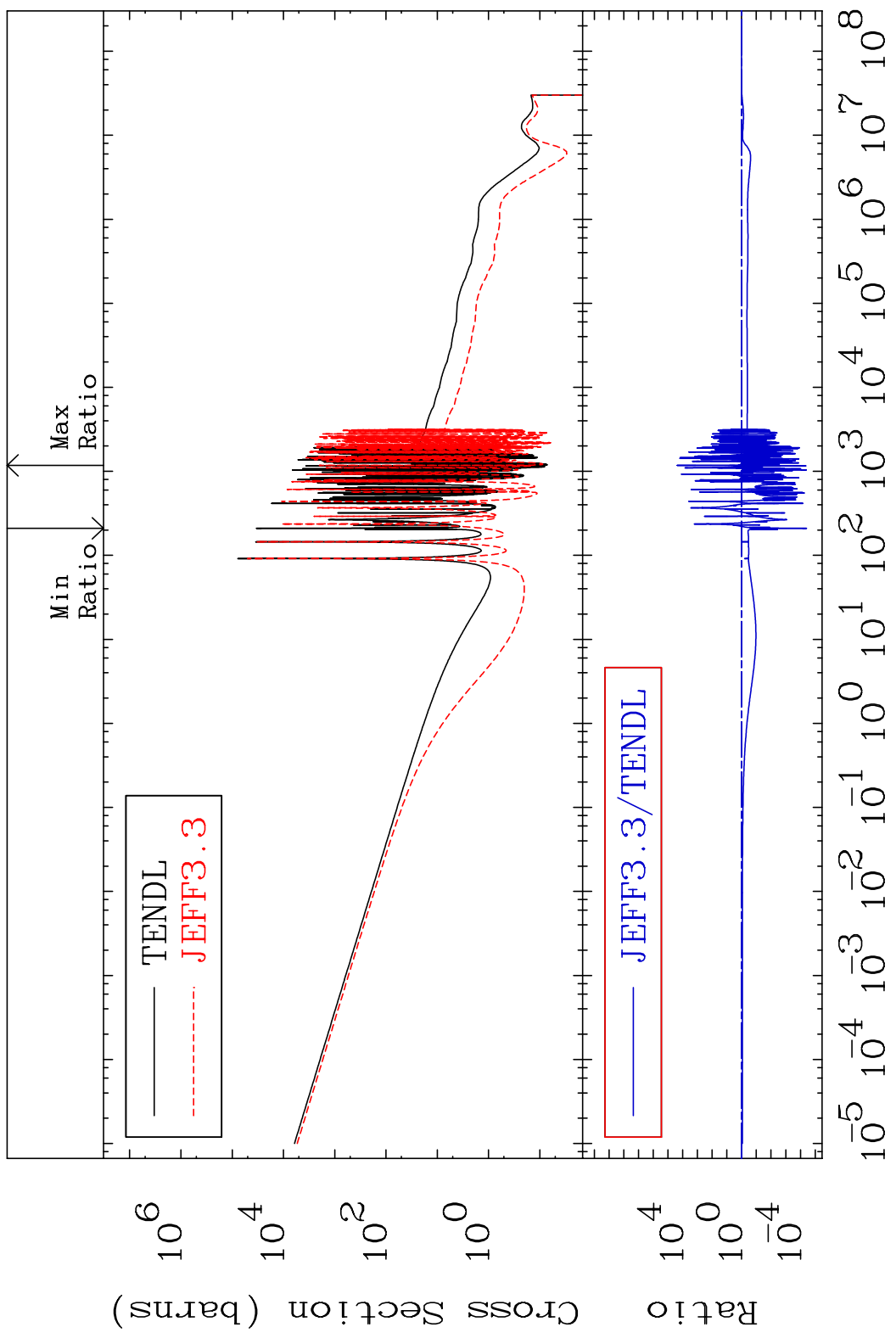


MAT 7643 Kerma fission (mt18 or mt19-20-21-38) 76-0s-190
 Cross Section -58.59 To 39.89 %



MAT 7643

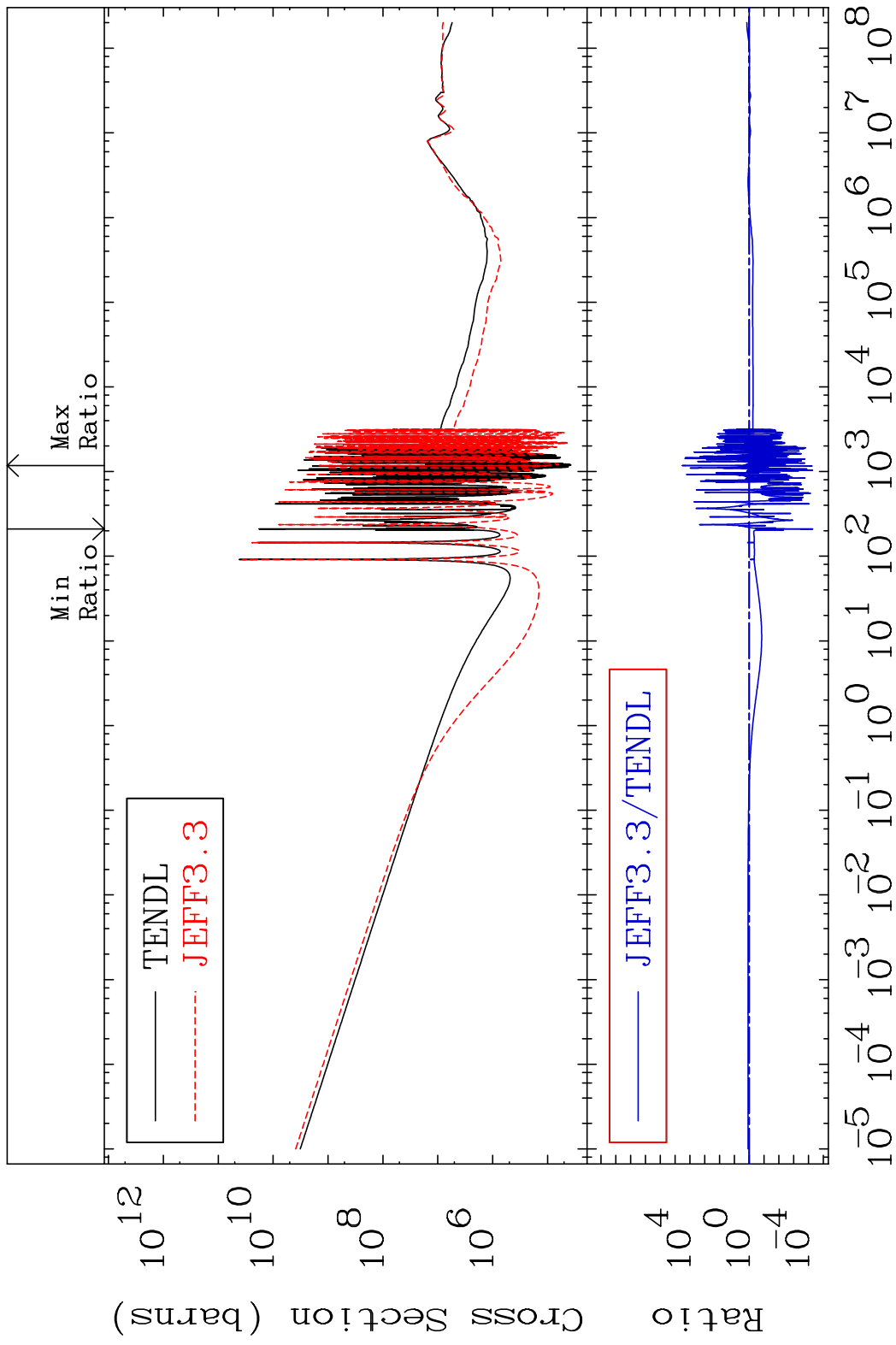
Kerma capture (mt102) 76-0s-190
Cross Section -100.0 To 9999. %



65

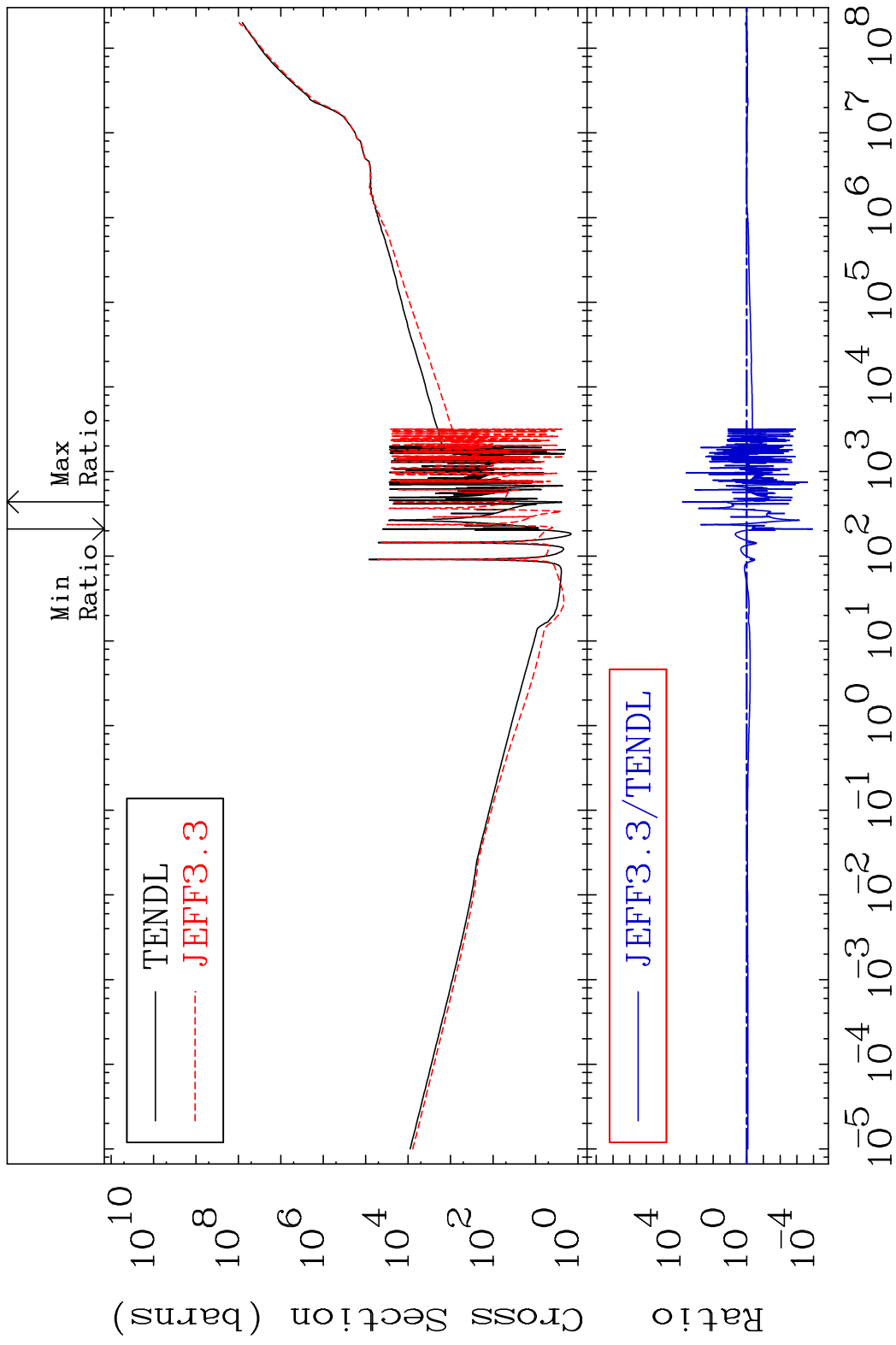
Incident Energy (eV) 76-0s-190

MAT 7643 Total photon (eV-barns) 76-0s-190
 Cross Section -99.99 To 9999. %



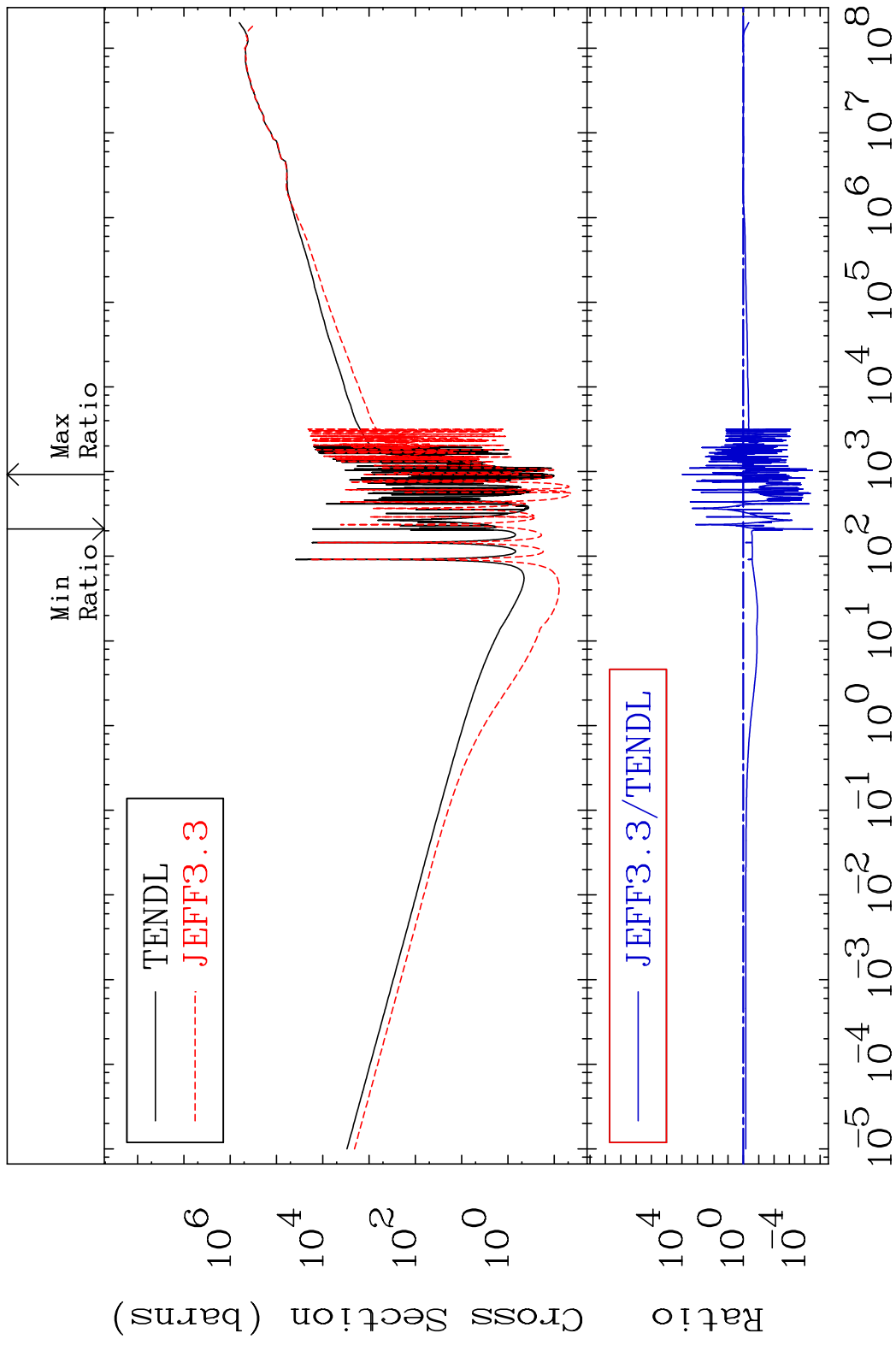
66 Incident Energy (eV) 76-0s-190

MAT 7643 Total kinematic kerma (high limit) 76-0s-190
 Cross Section -99.99 To 9999. %



67 Incident Energy (eV) 76-0s-190

MAT 7643 Dpa total (eV-barns) 76-0s-190
 Cross Section -100.0 To 9999. %

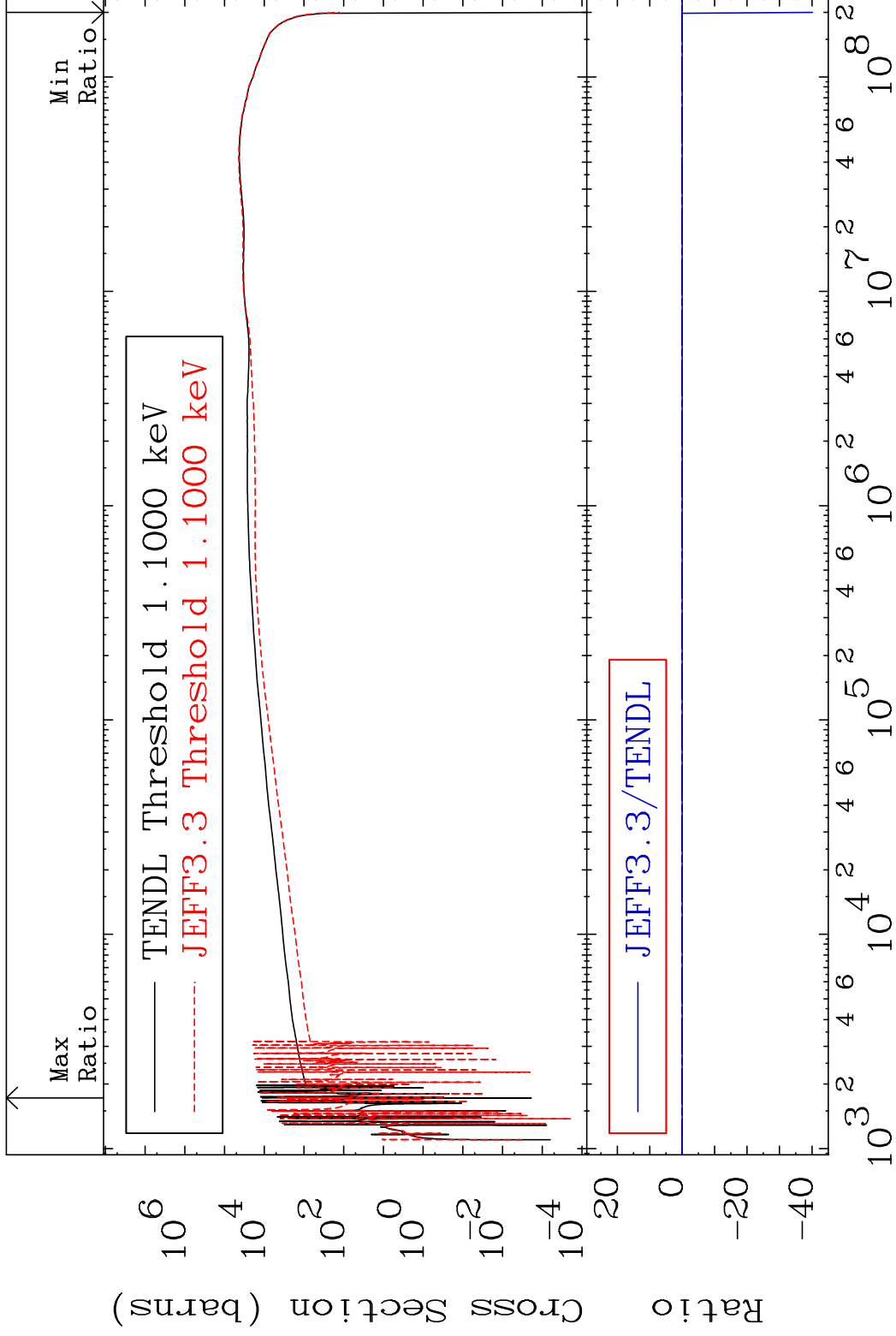


MAT 7643

Dpa elastic (mt2)

76-0s-190

Cross Section -9999. To 9999. %

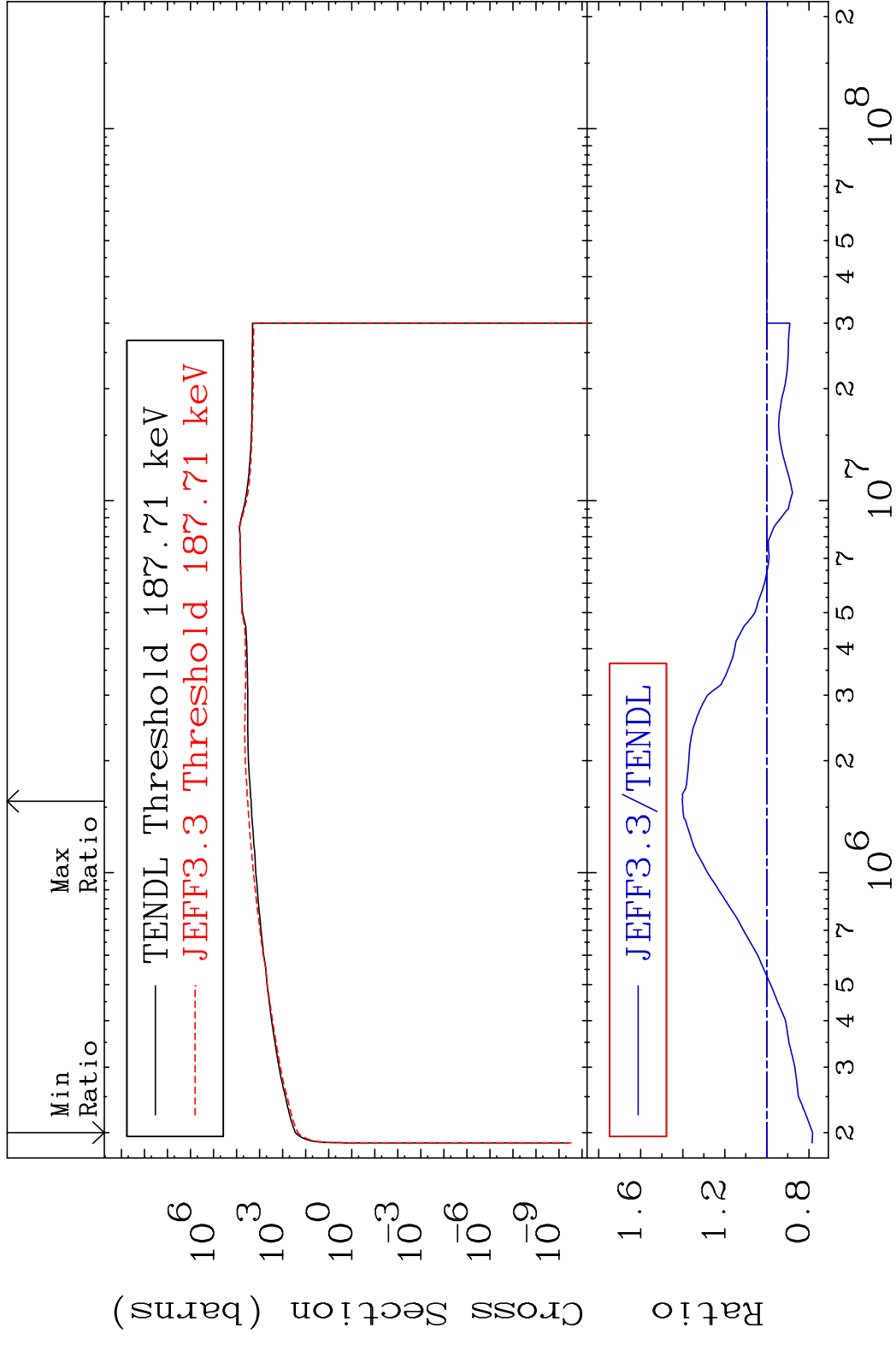


69

Incident Energy (eV)

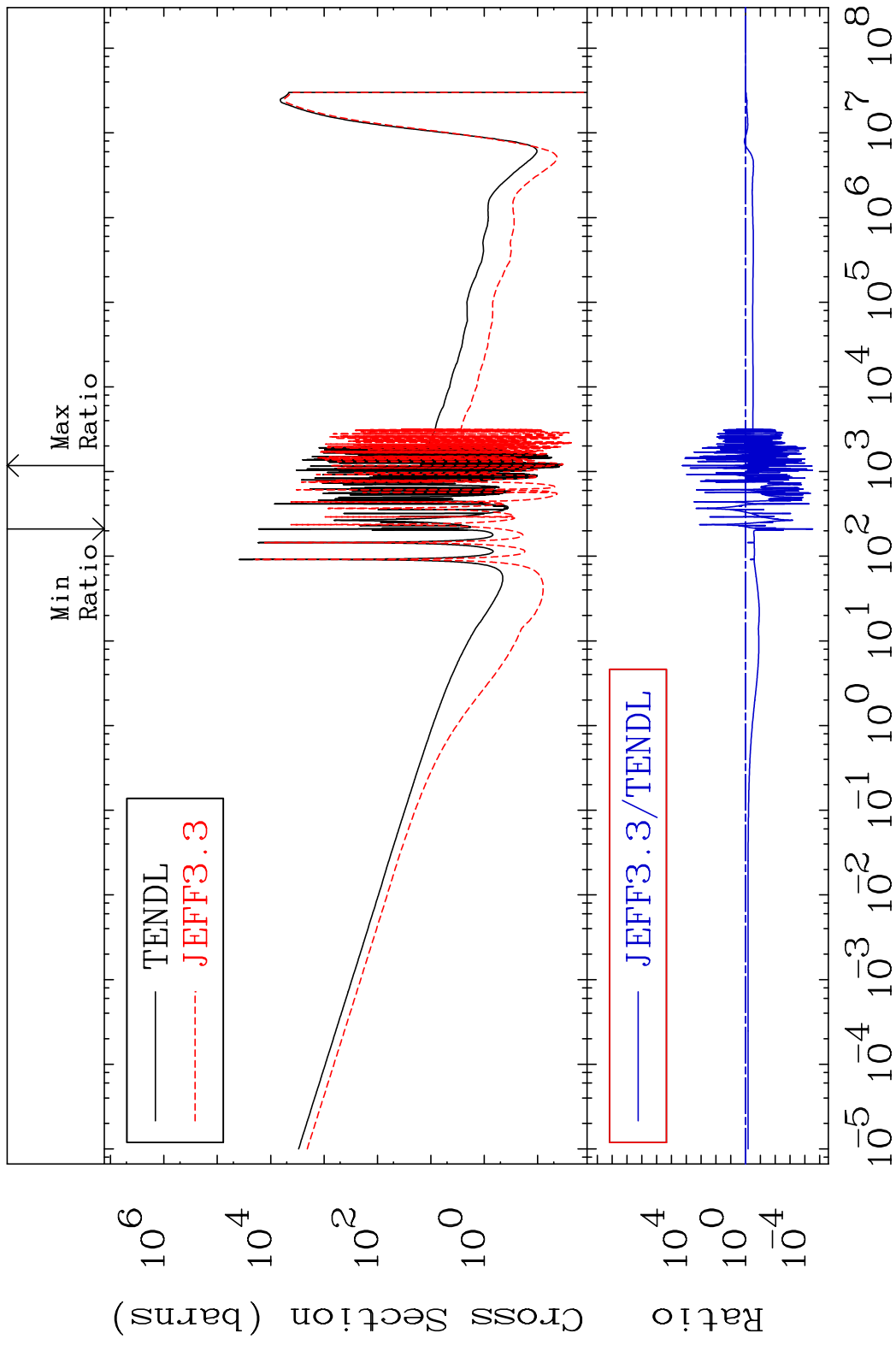
76-0s-190

MAT 7643 Dpa inelastic (mt51-91) 76-0s-190
 Cross Section -21.76 To 40.20 %



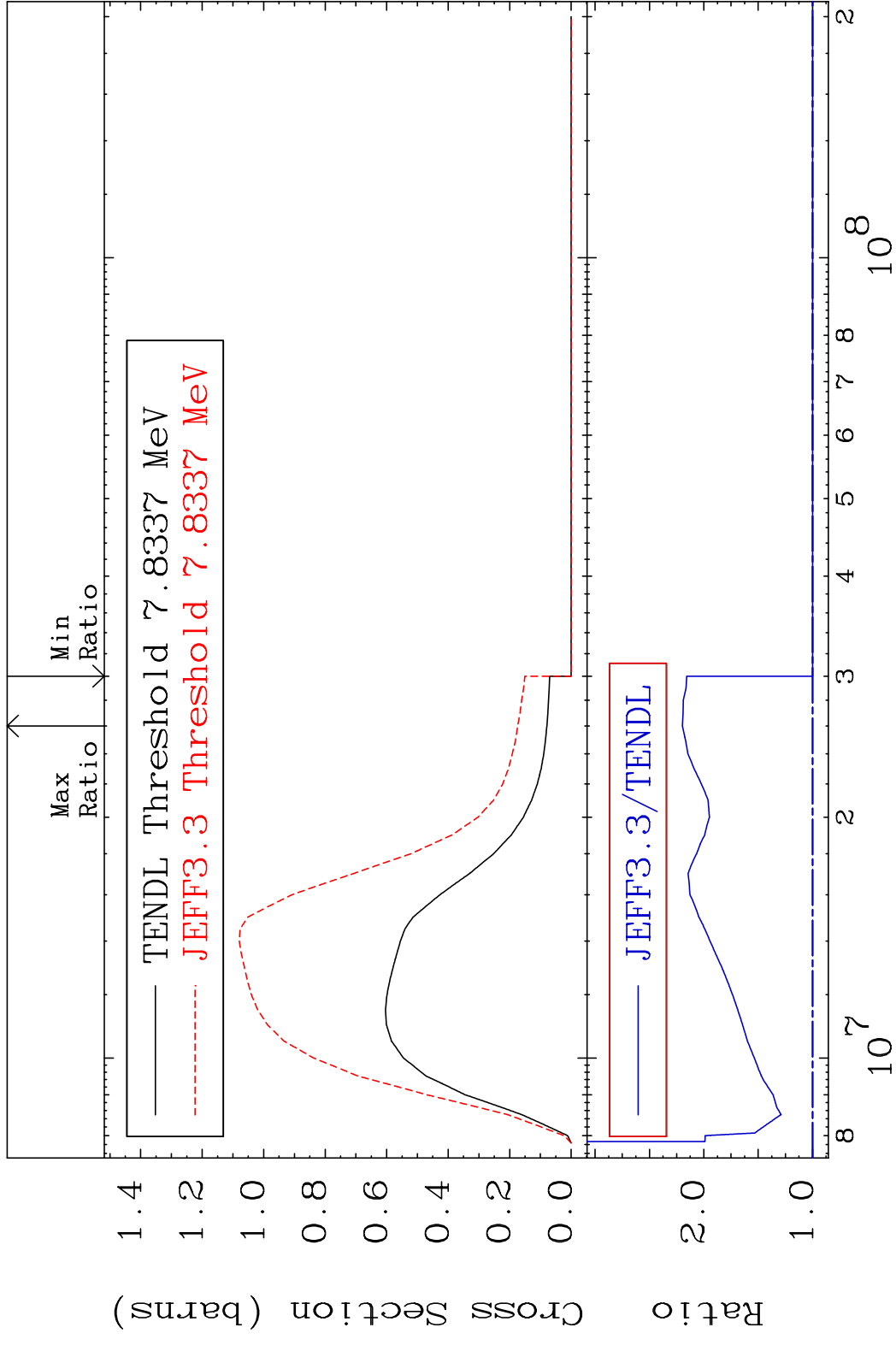
70 Incident Energy (eV) 76-0s-190

MAT 7643 Dpa disappearance (mt102 -120) 76-0s-190
 Cross Section -100.0 To 9999. %



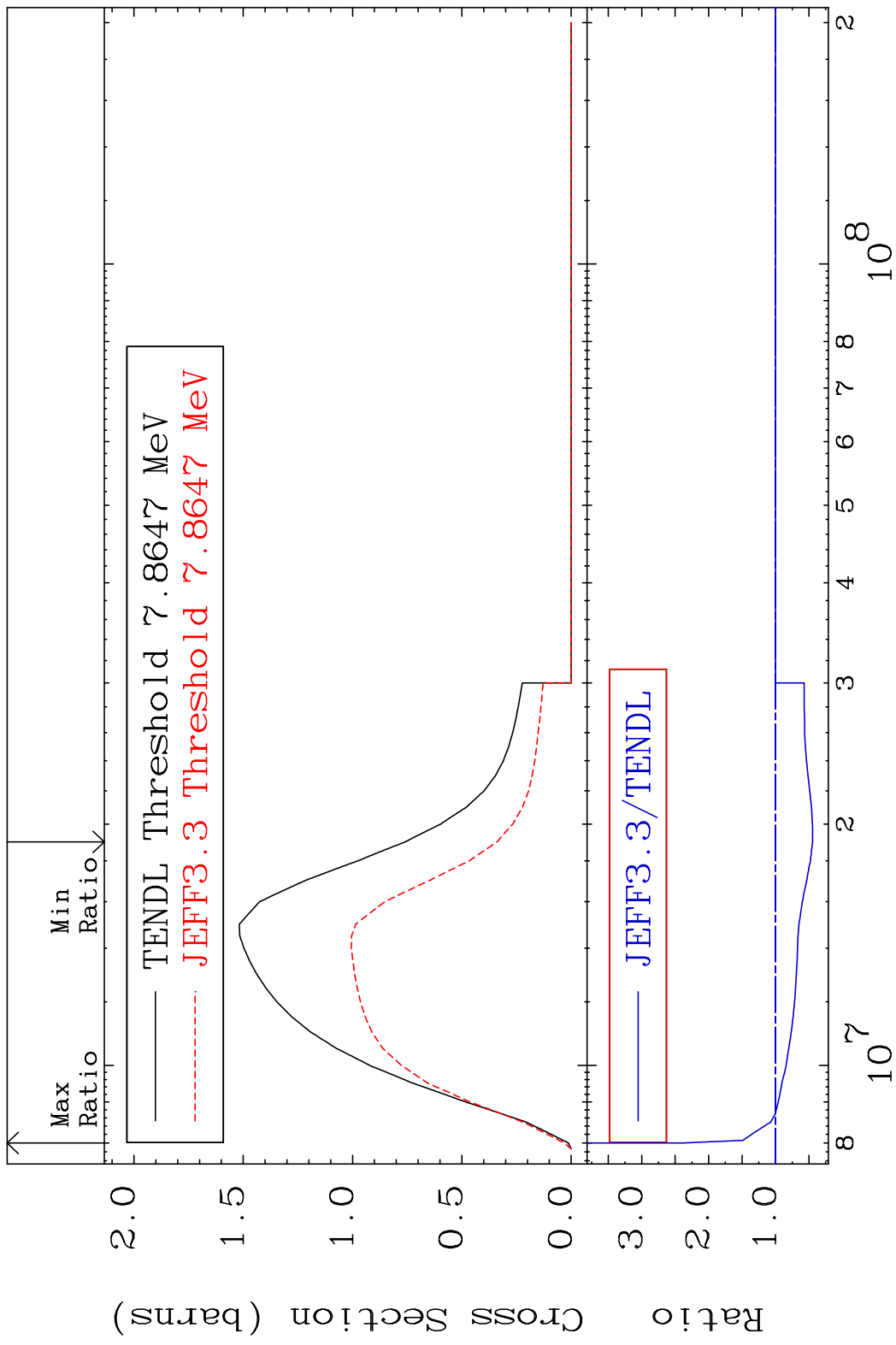
71 Incident Energy (eV) 76-0s-190

MAT 7643 (n,2n):76-0s-189g 76-0s-190
 Radionuclide Production Cross Section 119.8 %



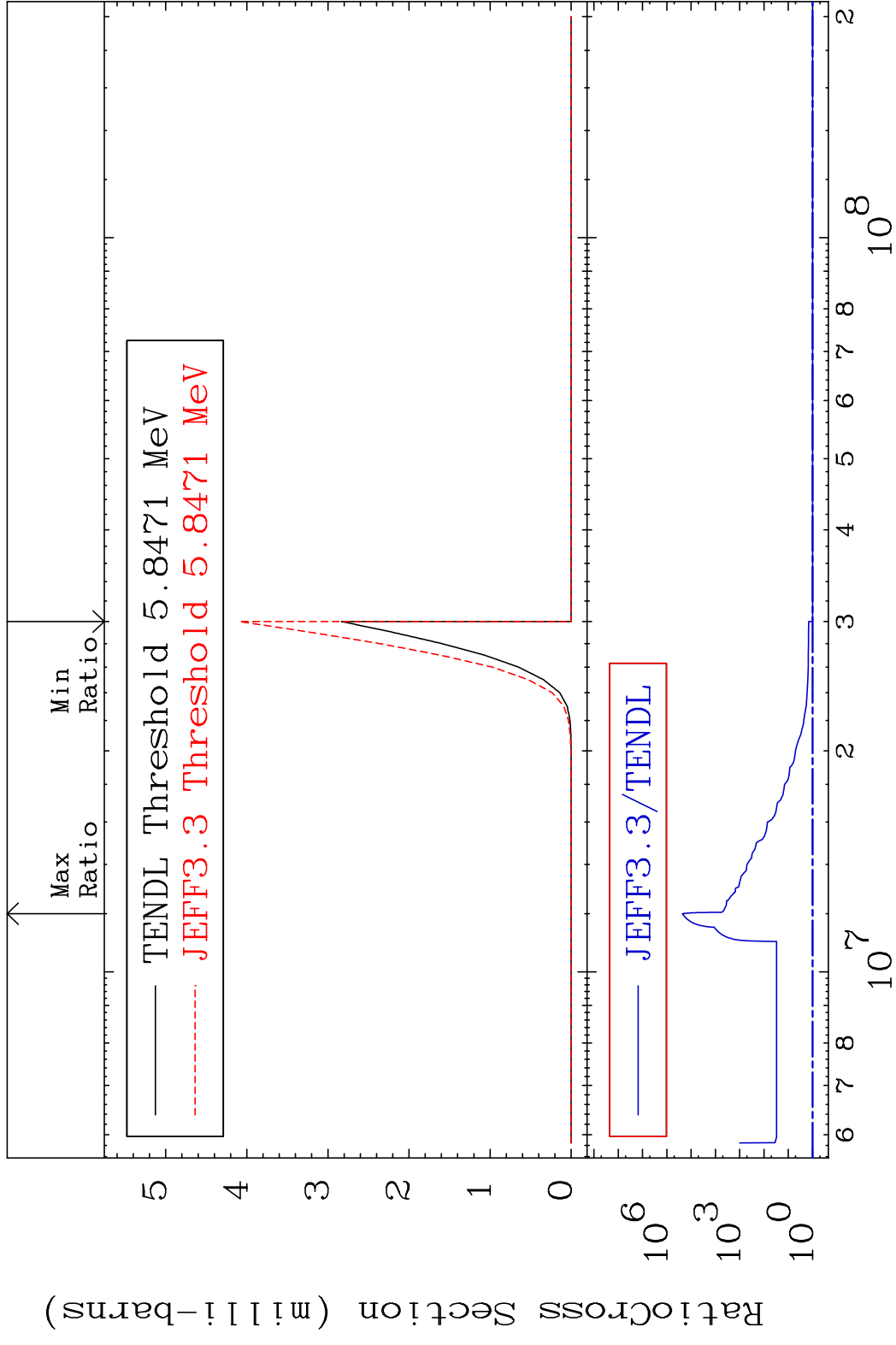
72 Incident Energy (eV) 76-0s-190

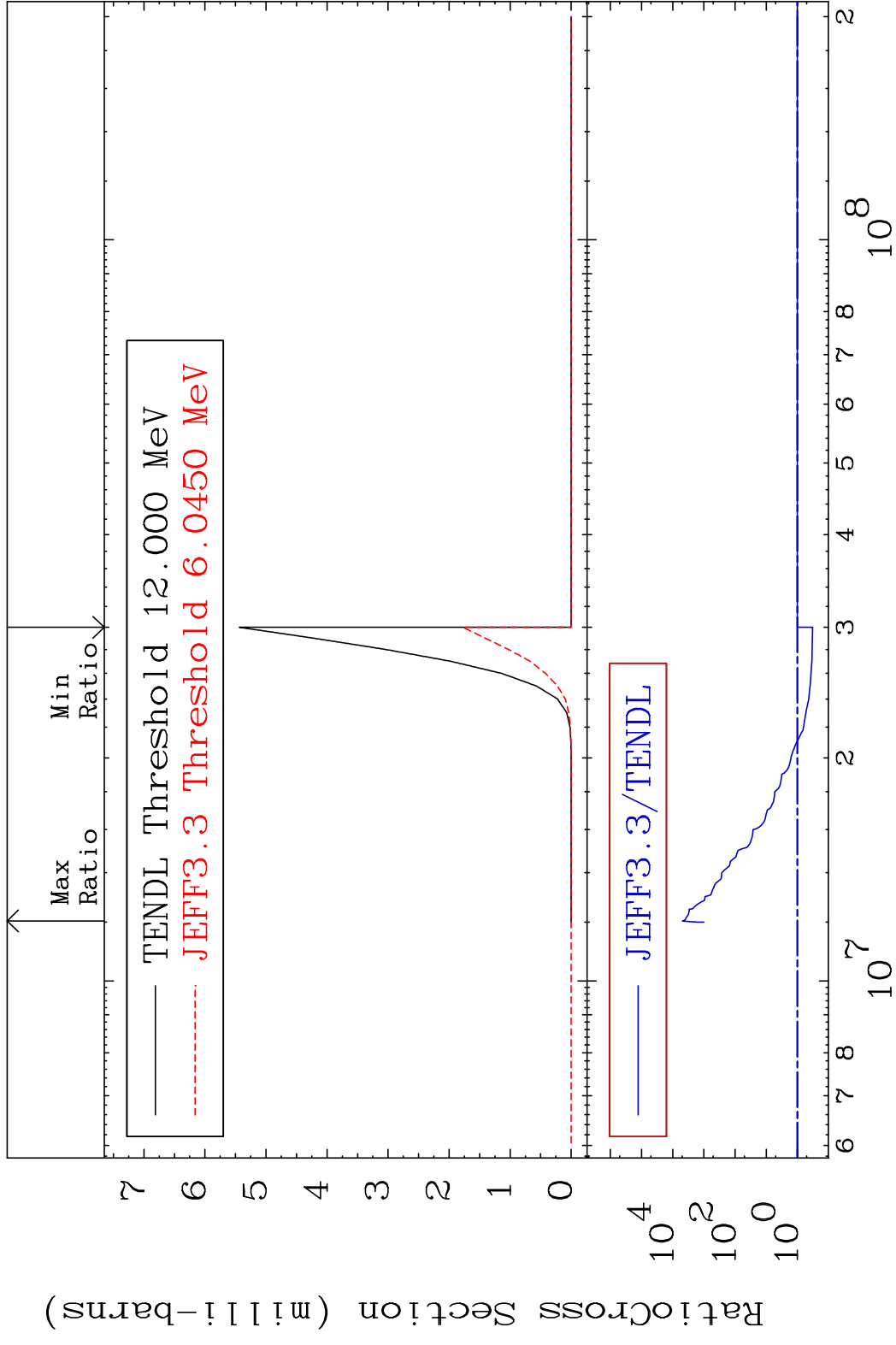
MAT 7643 (n,2n):76-0s-189m1 76-0s-190
 Radionuclide Production Cross Section 139.3 %



73 76-0s-190

MAT 7643 (n,2n) α :74-W -185g 76-0s-190
 Radionuclide Production Cross Section 9999. %





MAT 7643 (n, n') d:75-Re-188g 76-0s-190
 Radionuclide Production Cross Section 98.071 dth 585.5 %

