

Program Complot
(Version 2021-1)

by

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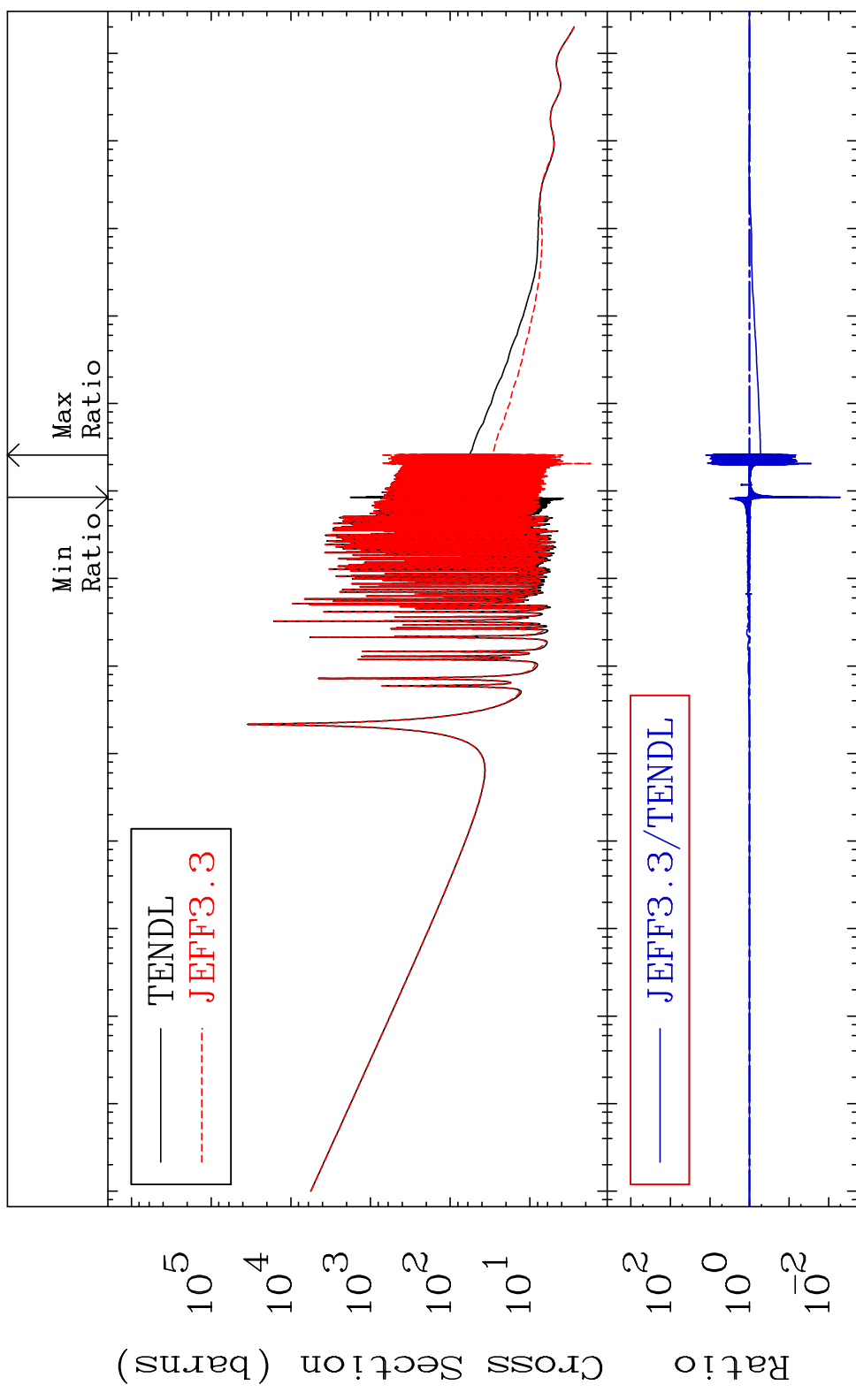
Press Mouse Button to Start

MAT 7525

Total

75-Re-185

Cross Section -99.50 To 1175. %



1

Incident Energy (eV)

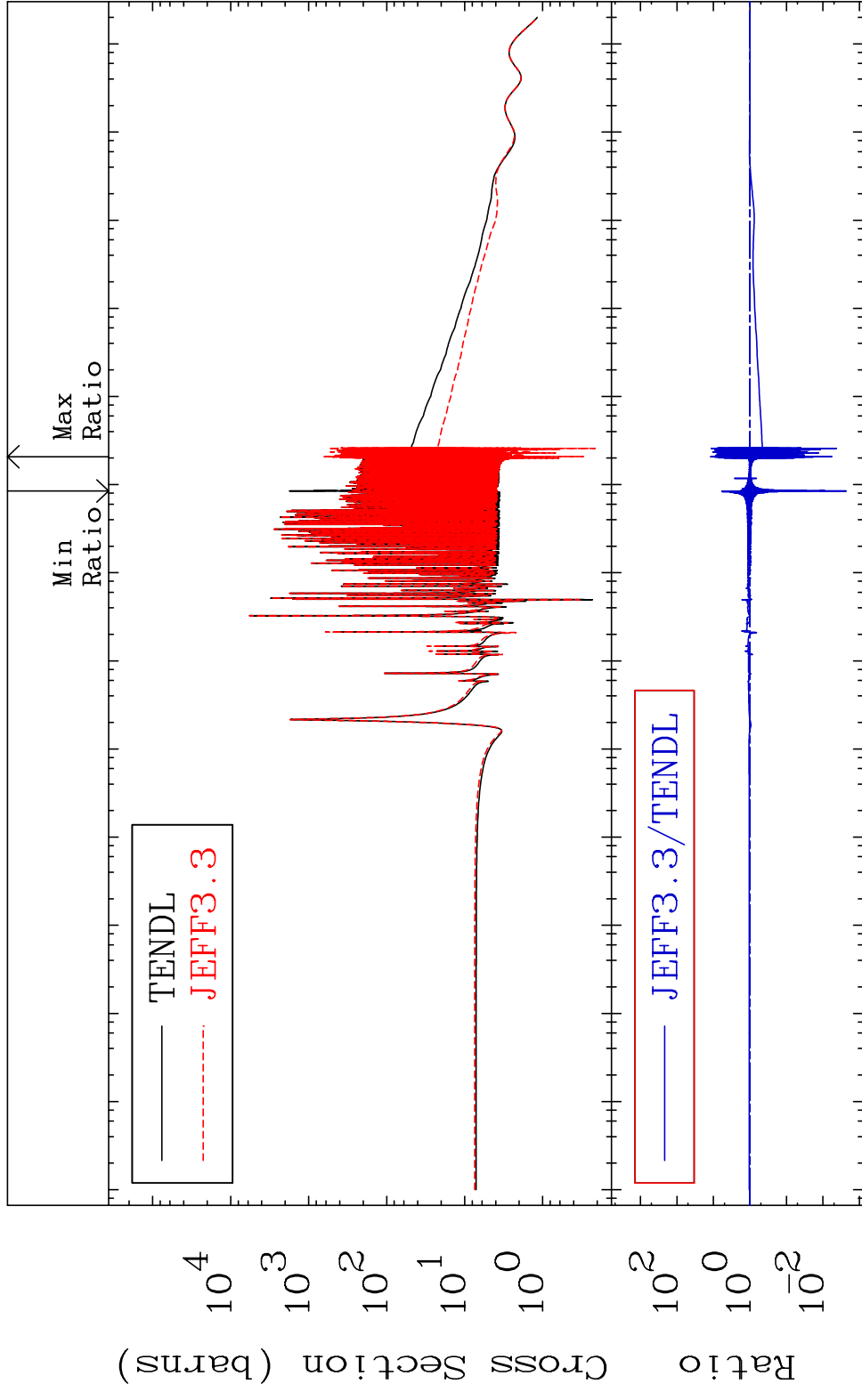
75-Re-185

MAT 7525

Elastic

75-Re-185

Cross Section -99.77 To 1089. %



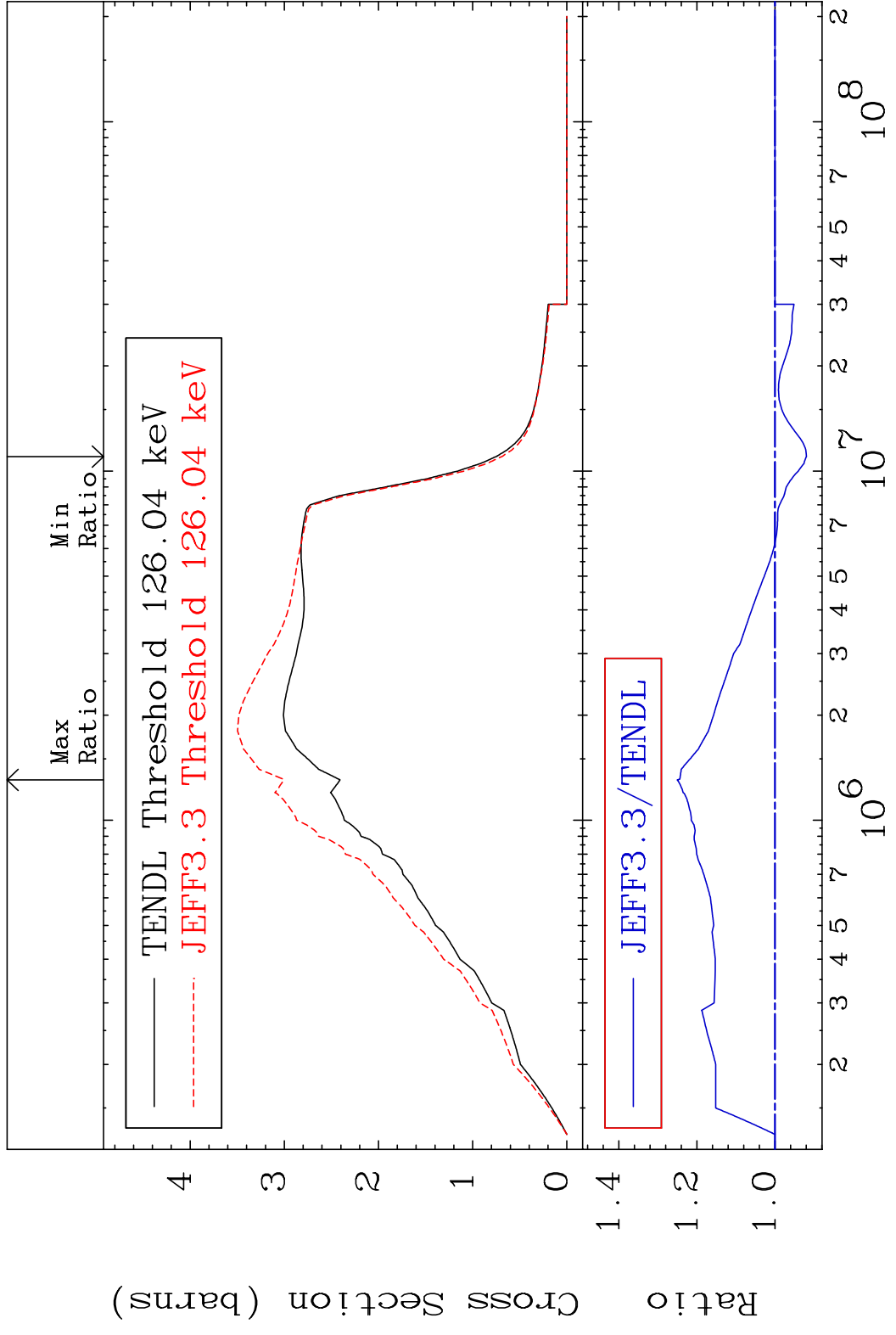
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

75-Re-185

MAT 7525 Inelastic 75-Re-185
 Cross Section -8.031 To 25.06 %

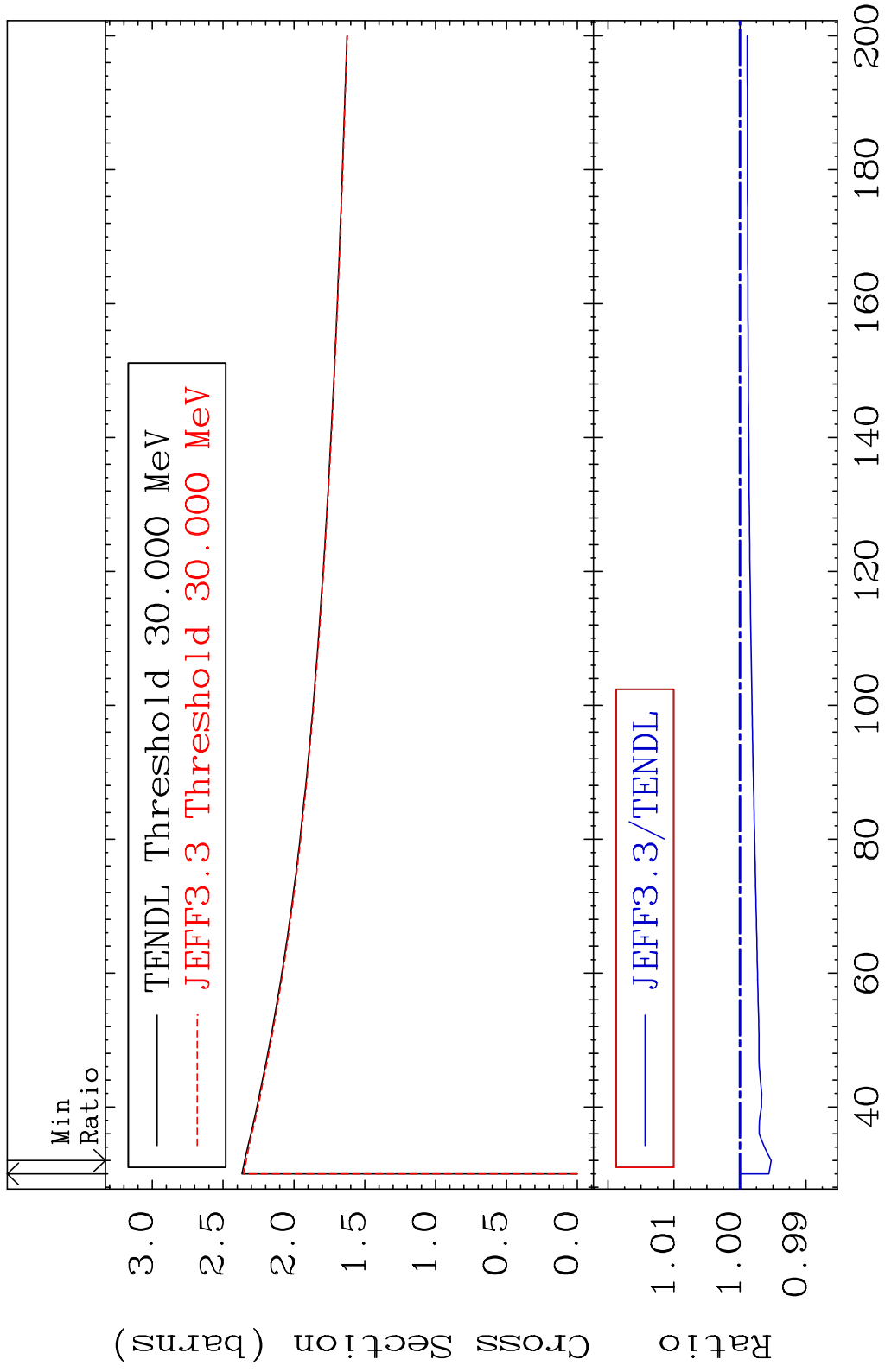


MAT 7525

(n, remainder)

75-Re-185

Cross Section -0.474 To 0.000 %

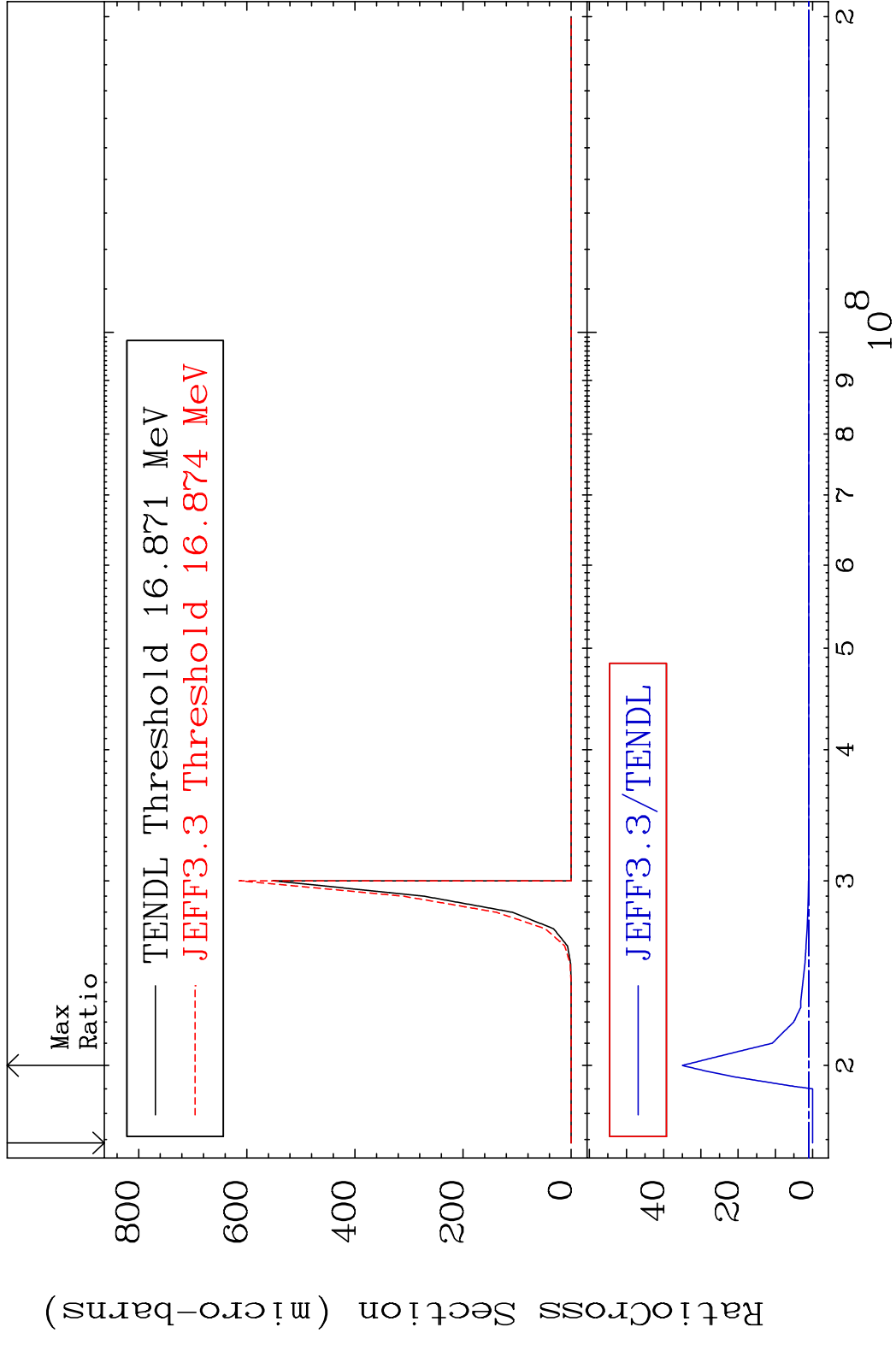


4

Incident Energy (MeV)

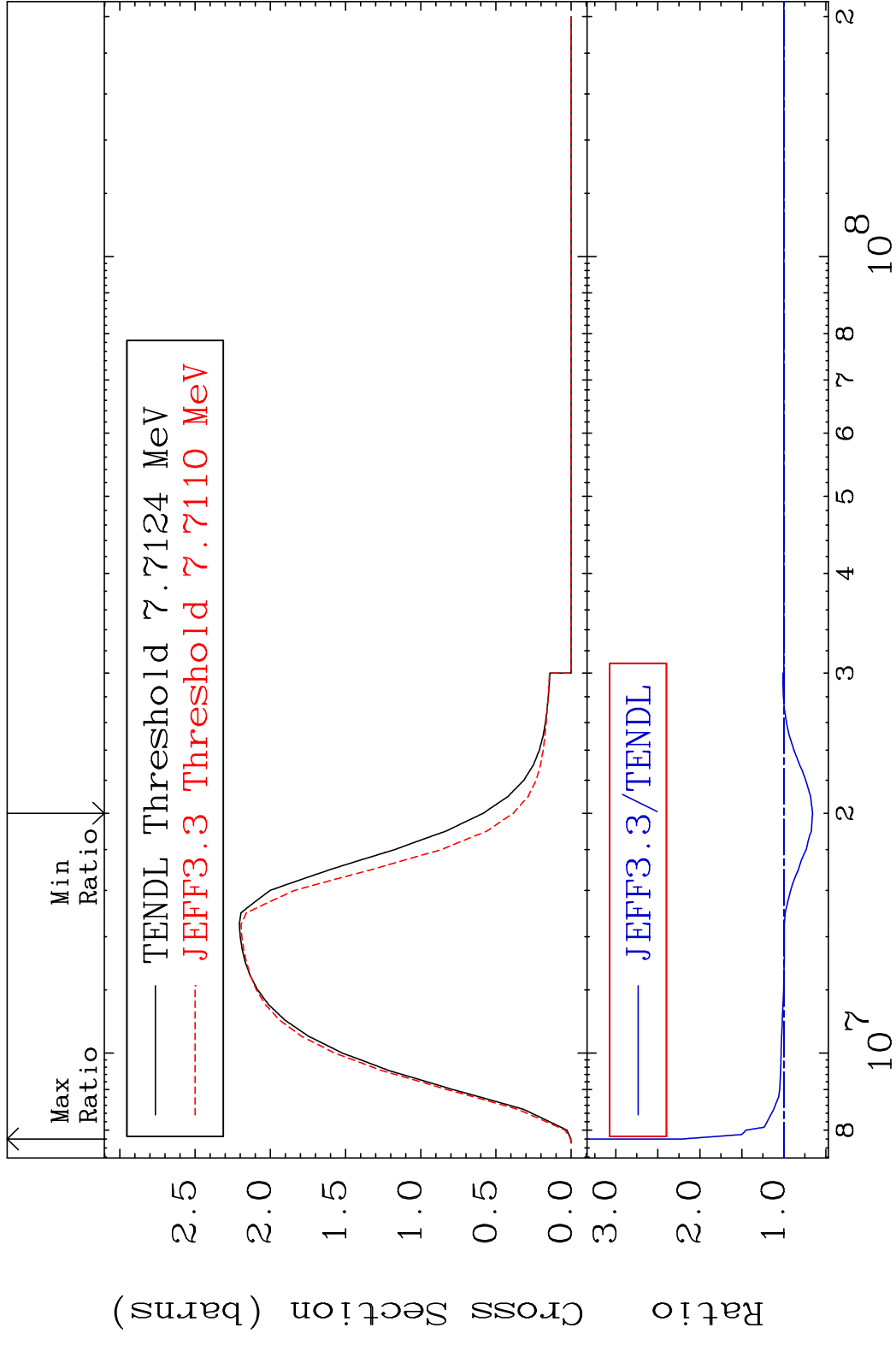
75-Re-185

MAT 7525 (n,2n) d 75-Re-185
 Cross Section -100.0 To 3399. %

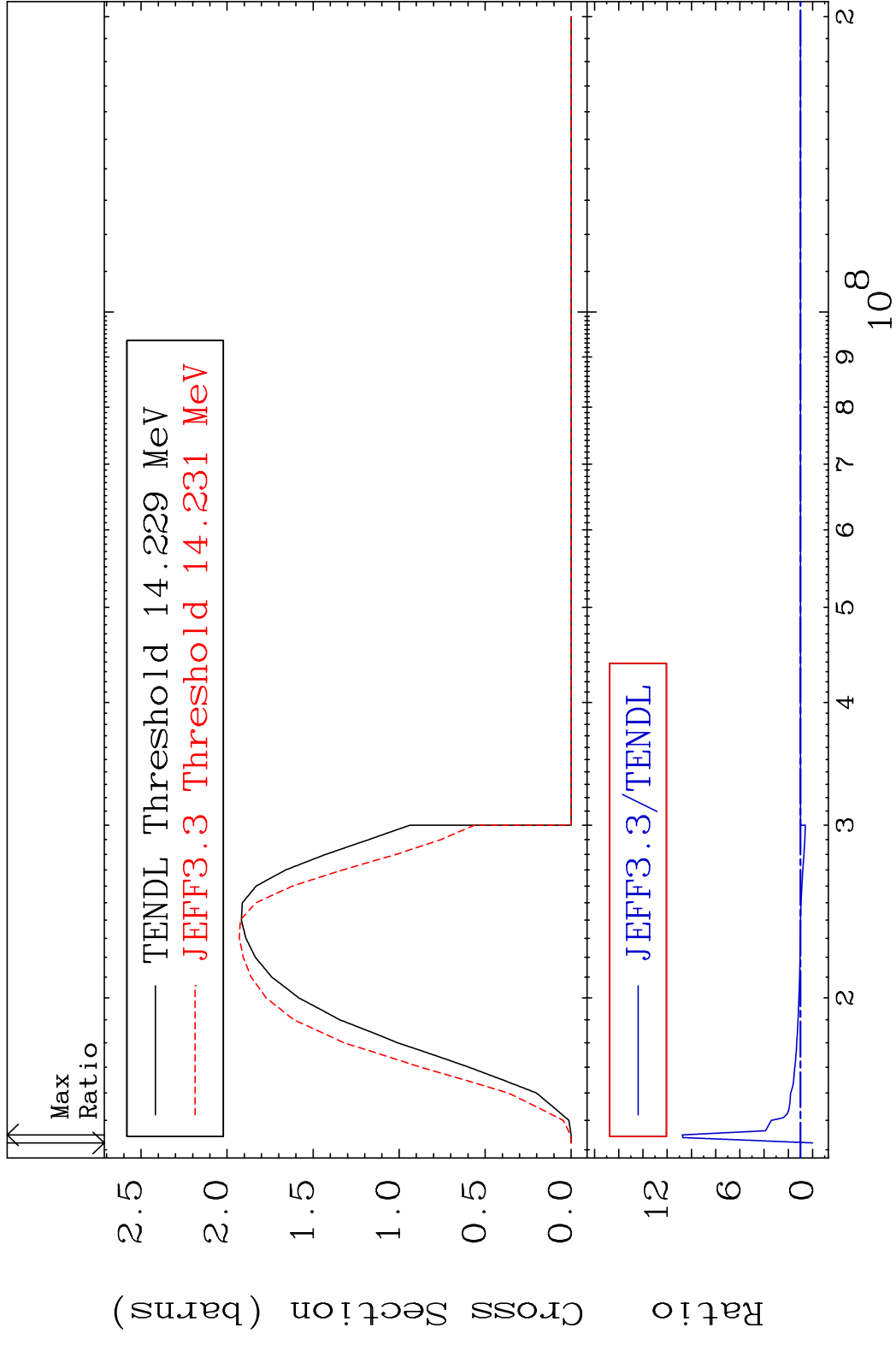


5 Incident Energy (eV) 75-Re-185

MAT 7525 (n,2n) 75-Re-185
 Cross Section -34.12 To 120.8 %



MAT 7525 (n,3n) 75-Re-185
 Cross Section -100.0 To 975.0 %

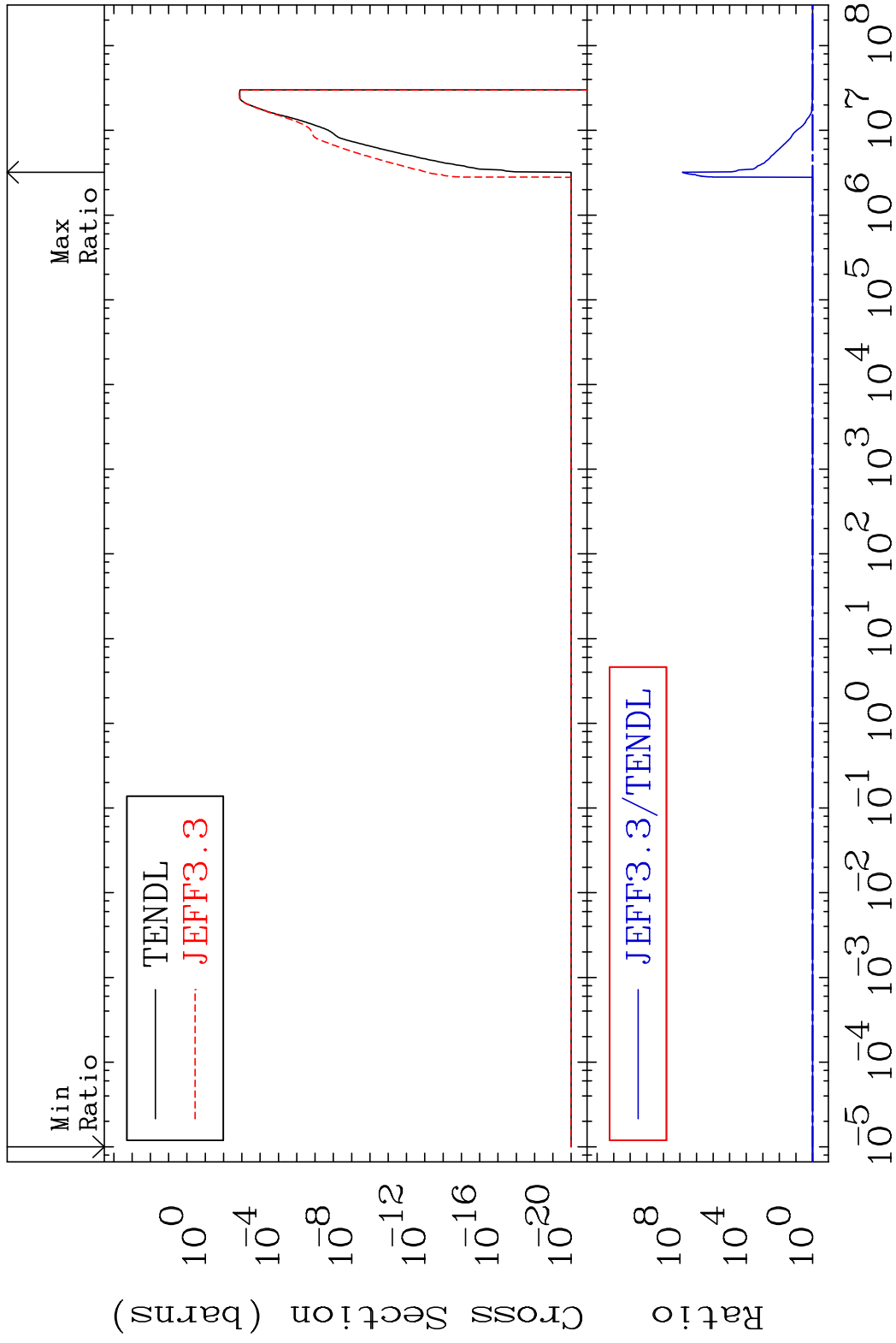


MAT 7525

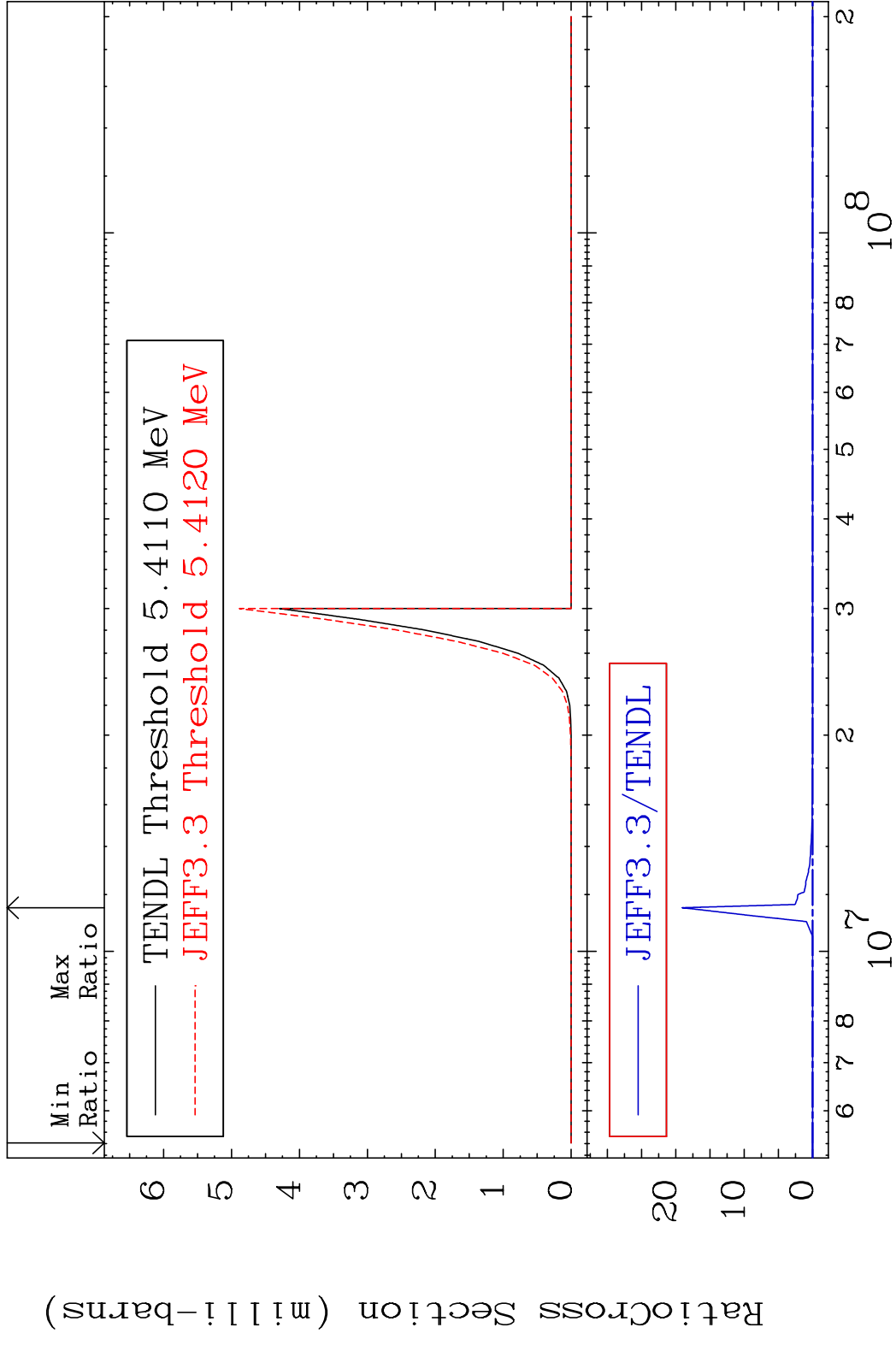
(n, n') α

75-Re-185

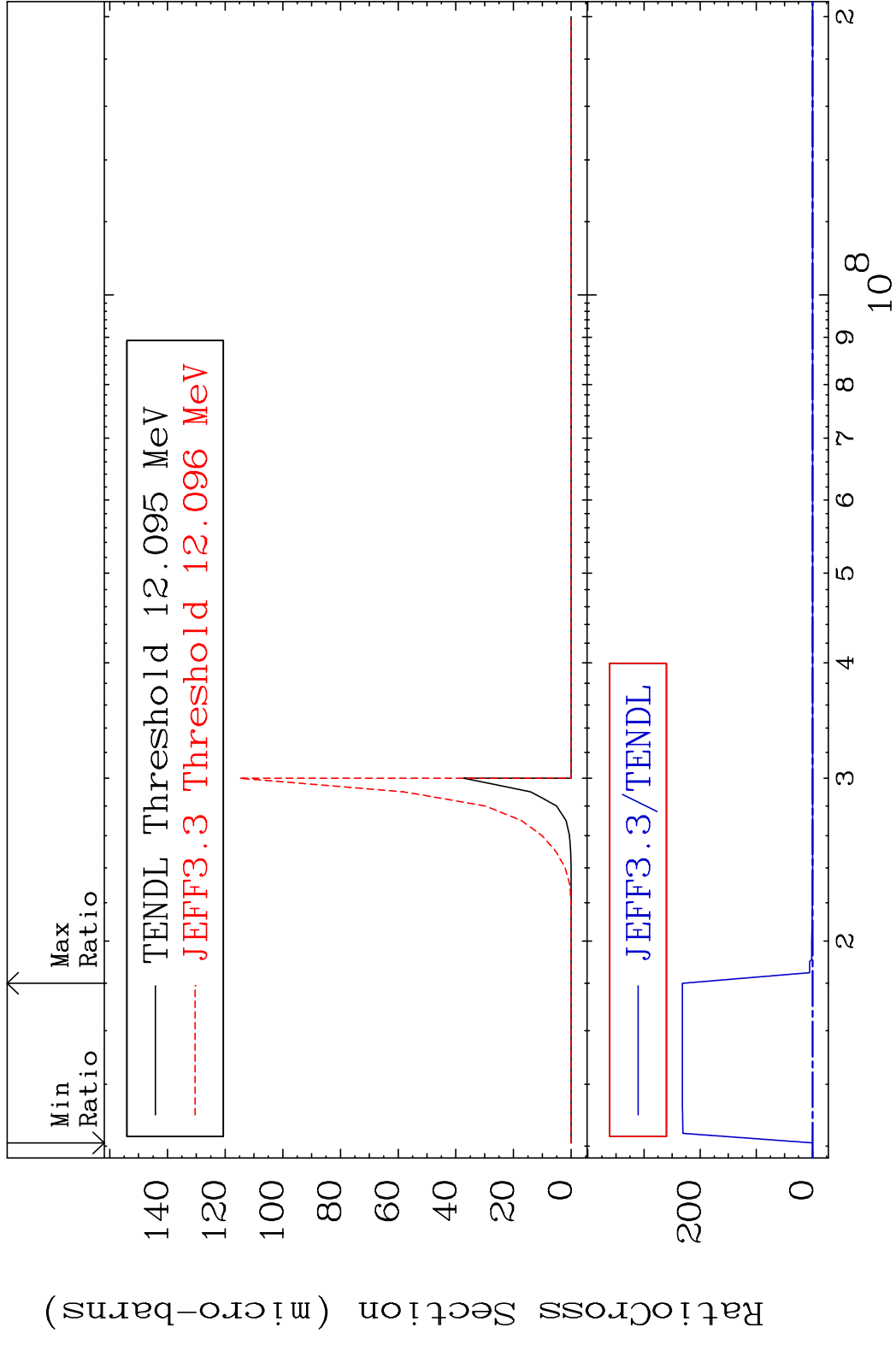
Cross Section 0.000 To 9999. %



MAT 7525 (n,2n) α 75-Re-185
 Cross Section -100.0 To 9999. %



MAT 7525 (n,3n) α 75-Re-185
 Cross Section -100.0 To 9999. %



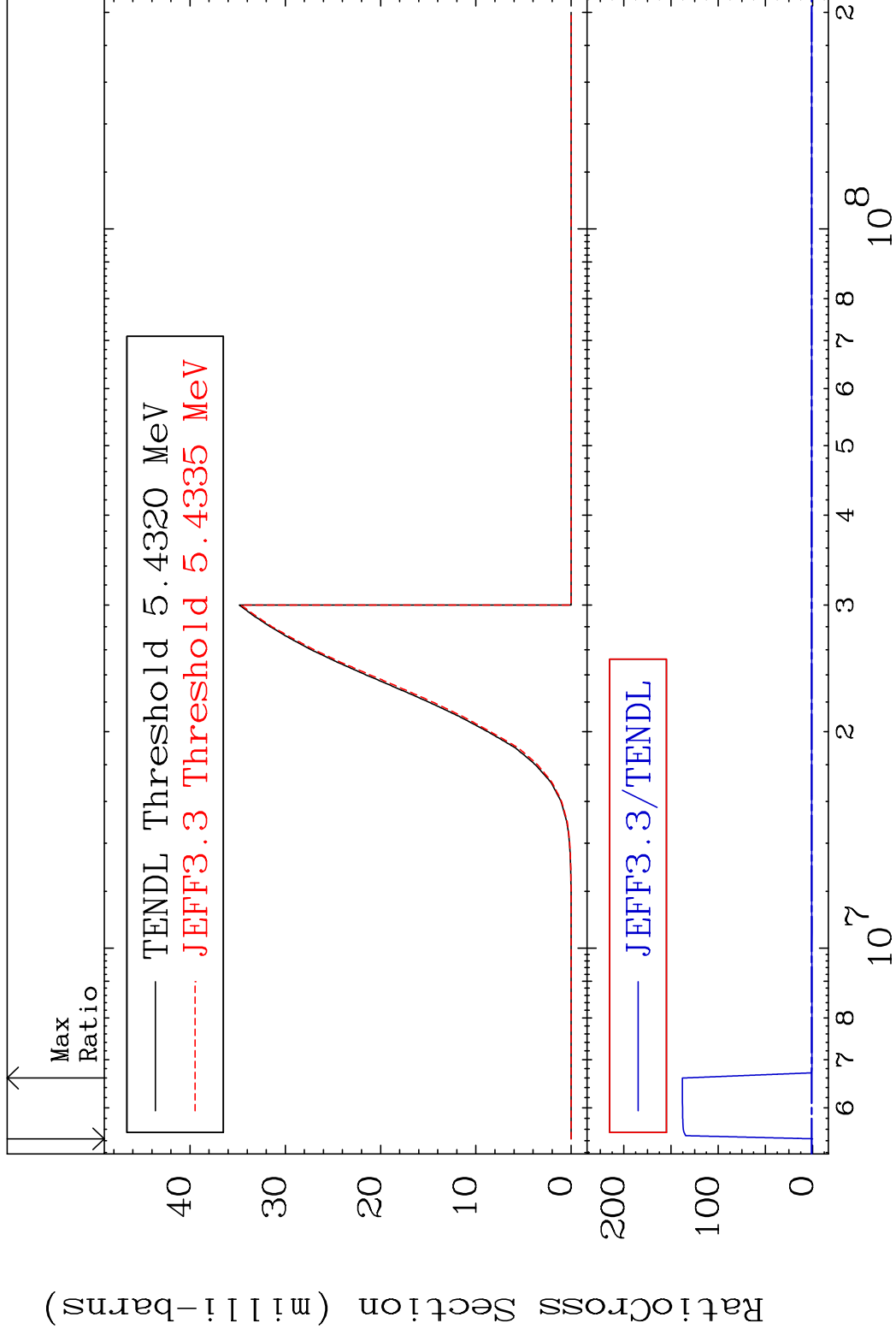
10 Incident Energy (eV) 75-Re-185

MAT 7525

(n, n') p

75-Re-185

Cross Section -100.0 To 9999. %

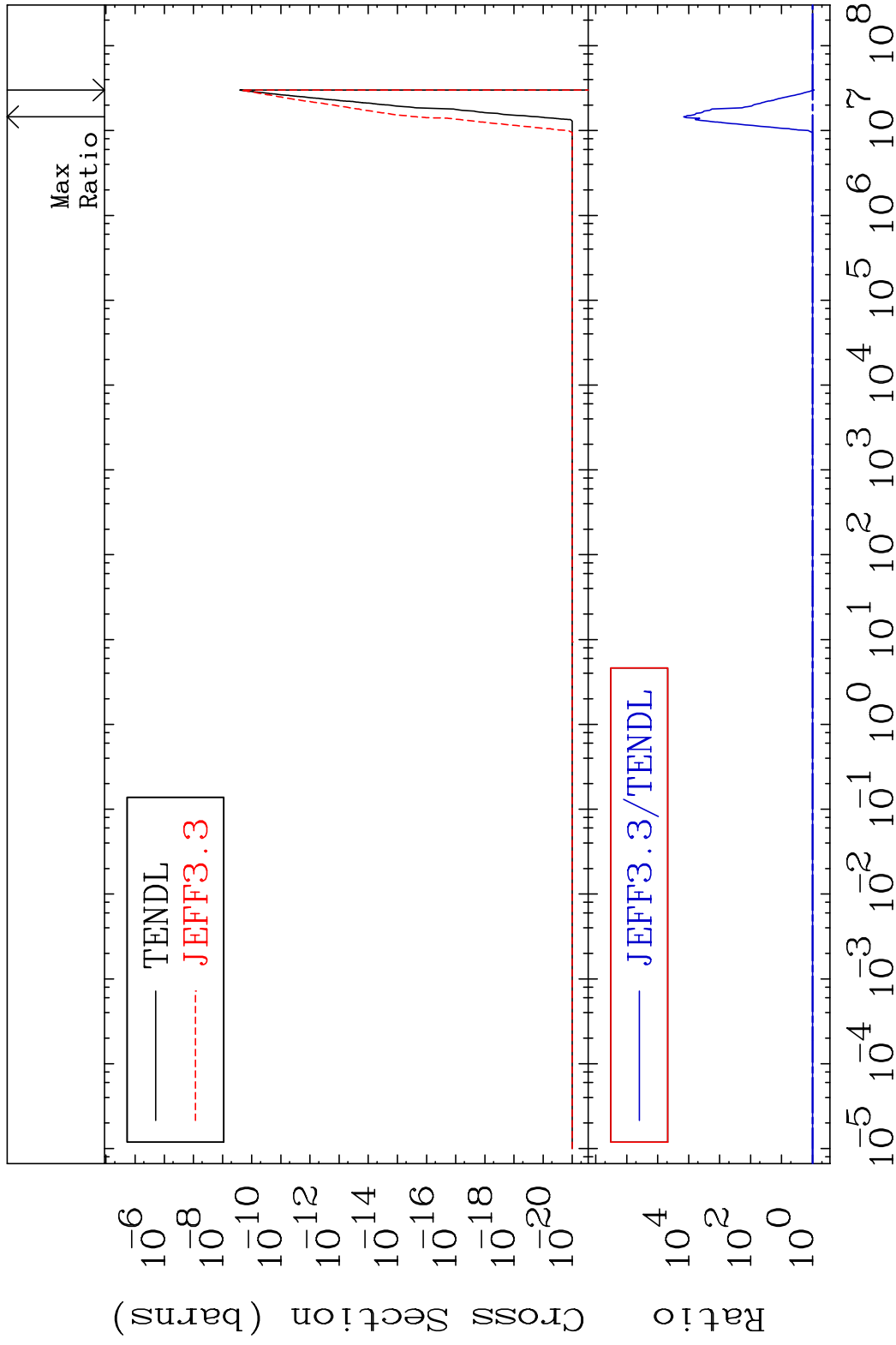


MAT 7525

(n, n') 2α

75-Re-185

Cross Section -11.31 To 9999. %

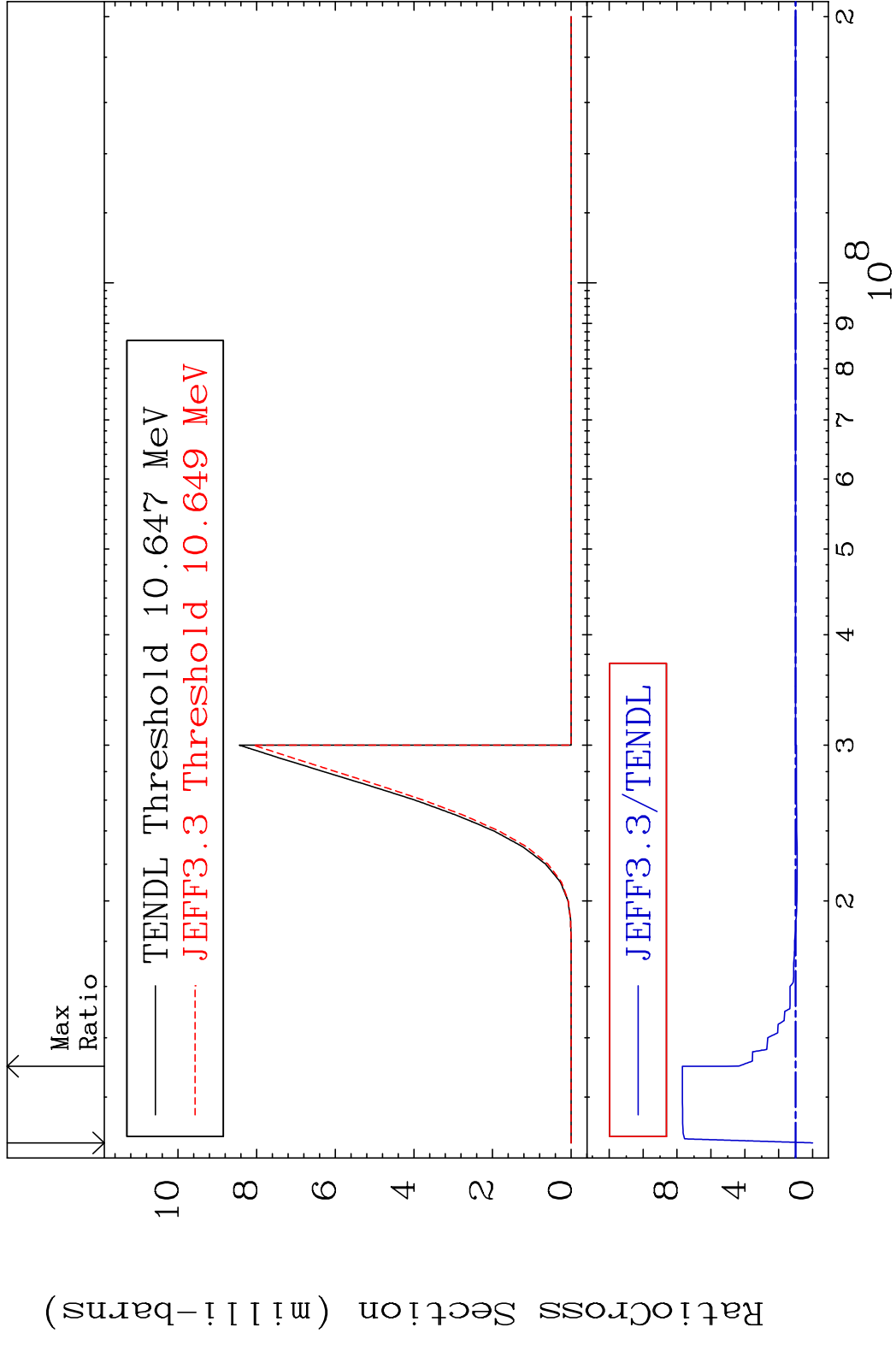


12

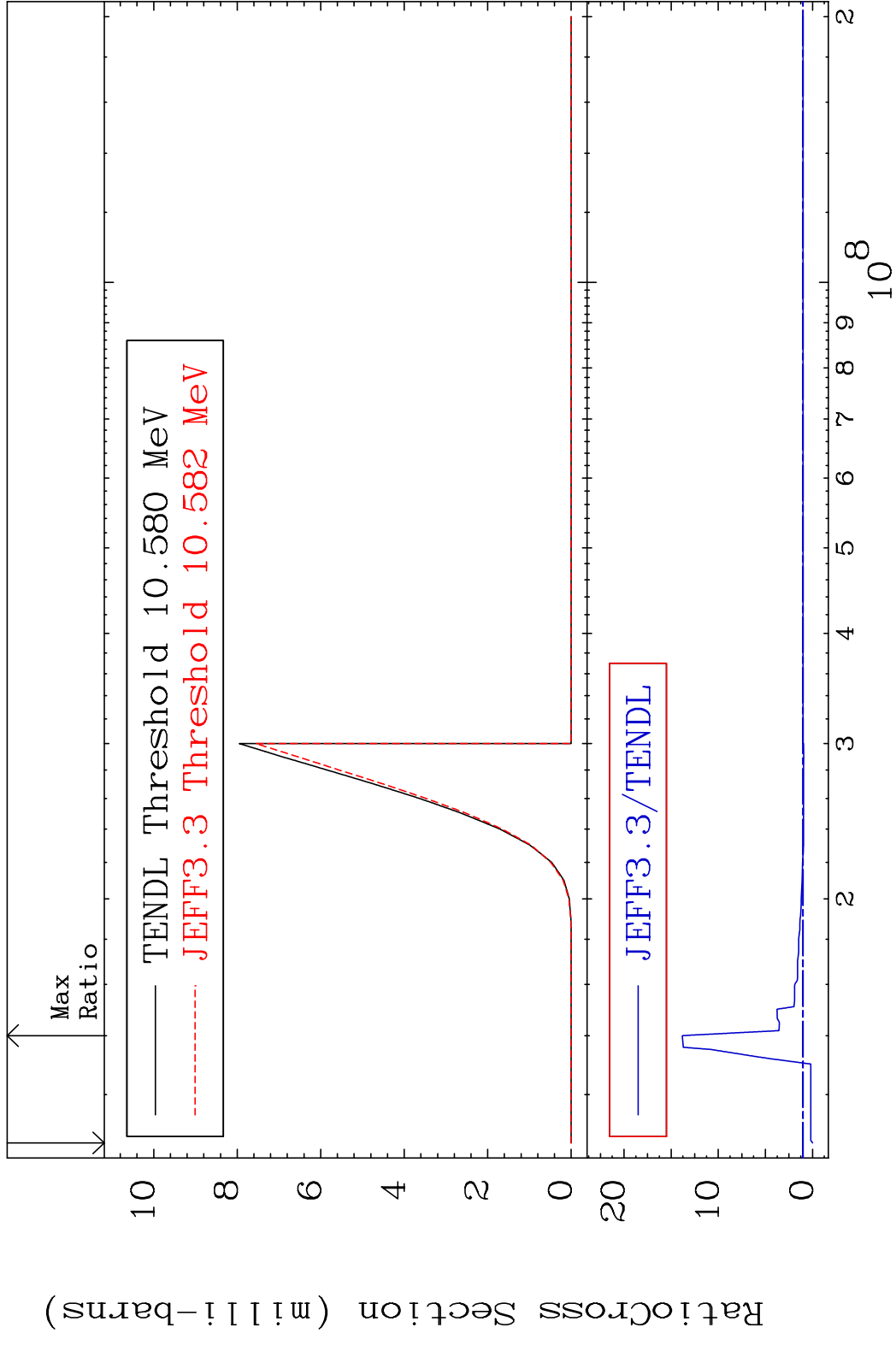
Incident Energy (eV)

75-Re-185

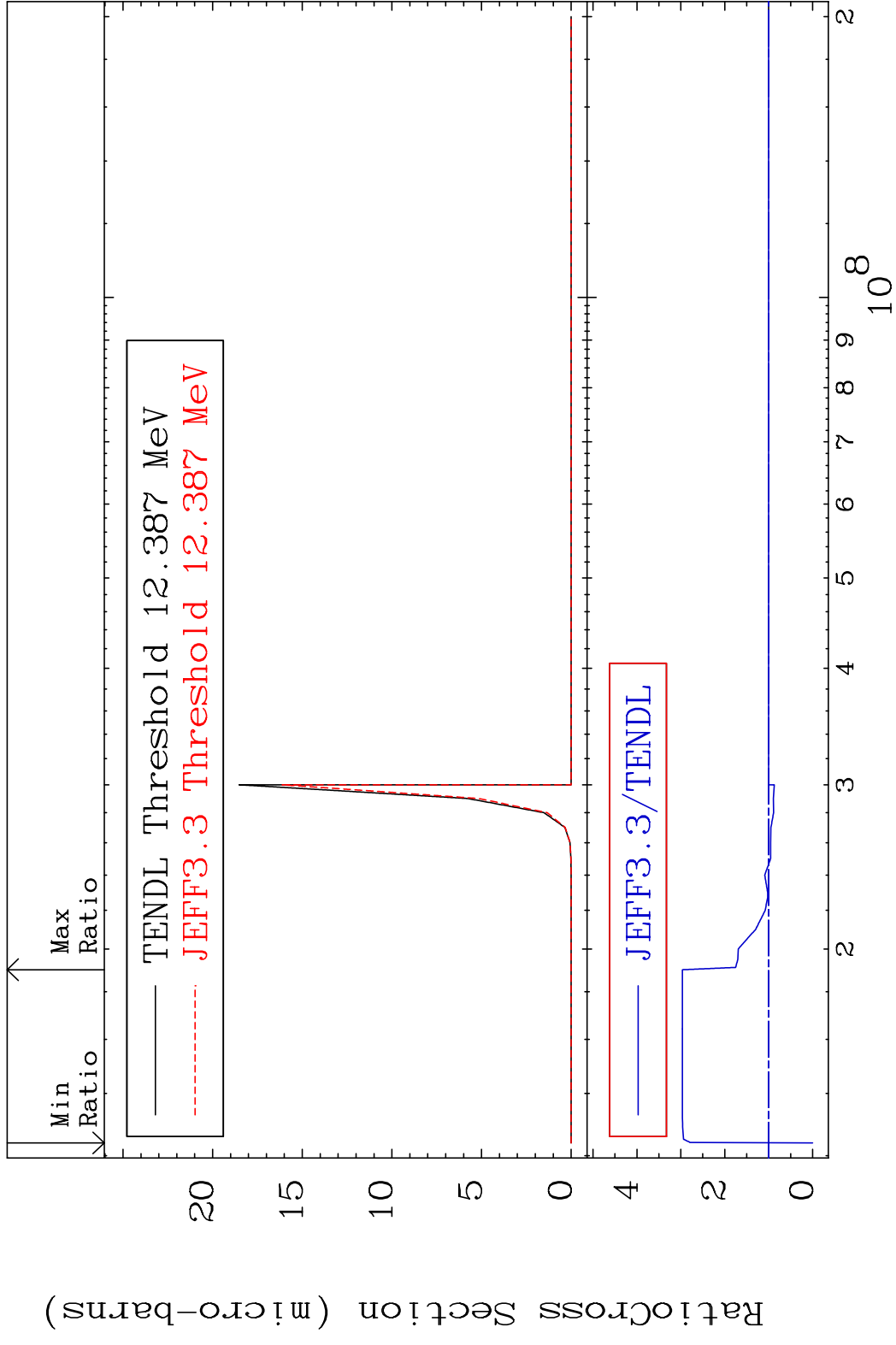
MAT 7525 (n, n') d 75-Re-185
 Cross Section -100.0 To 668.6 %



MAT 7525 (n, n') t 75-Re-185
 Cross Section -100.0 To 1281. %



MAT 7525 (n,n') He-3 75-Re-185
 Cross Section -100.0 To 196.5 %

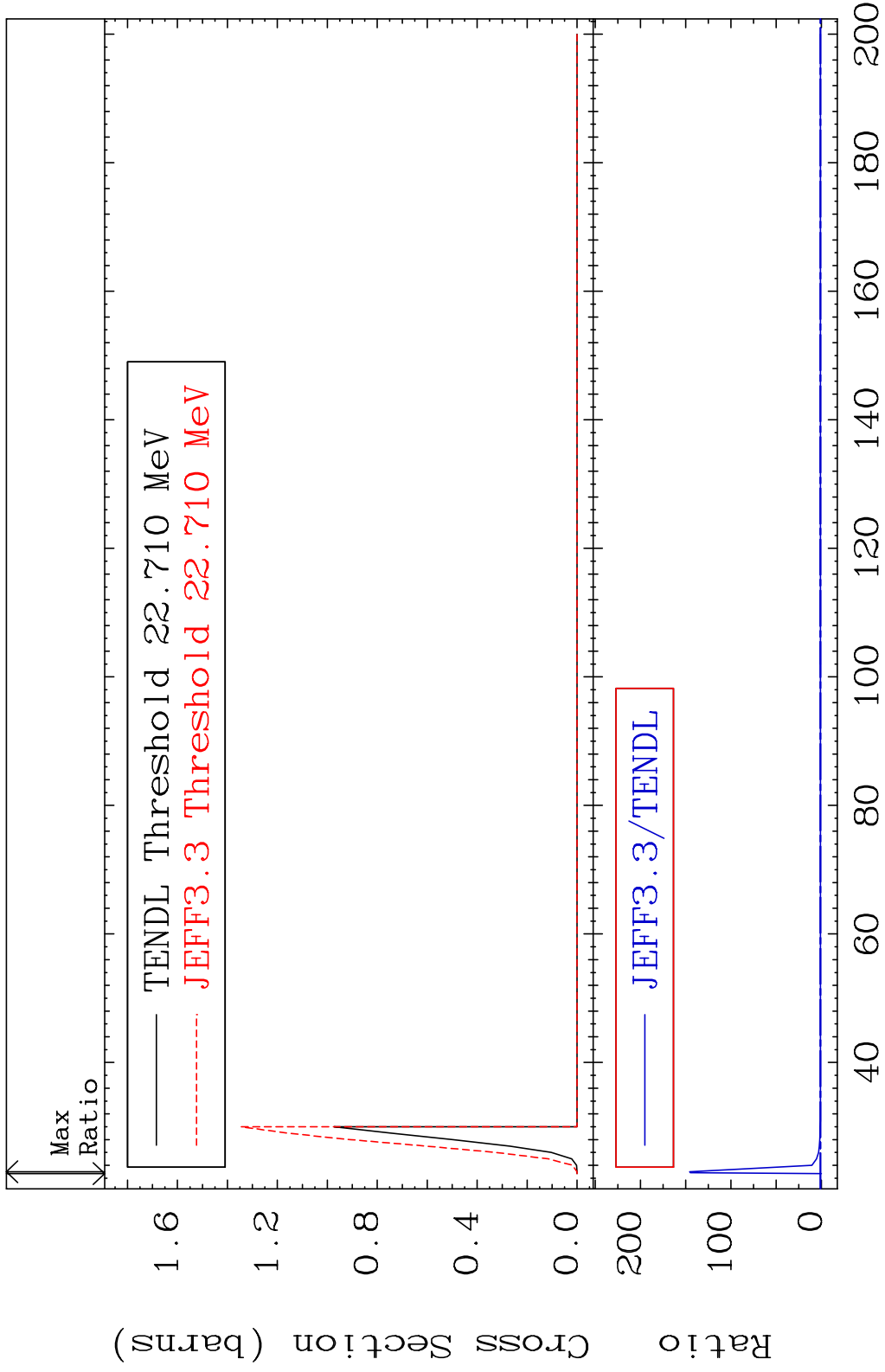


MAT 7525

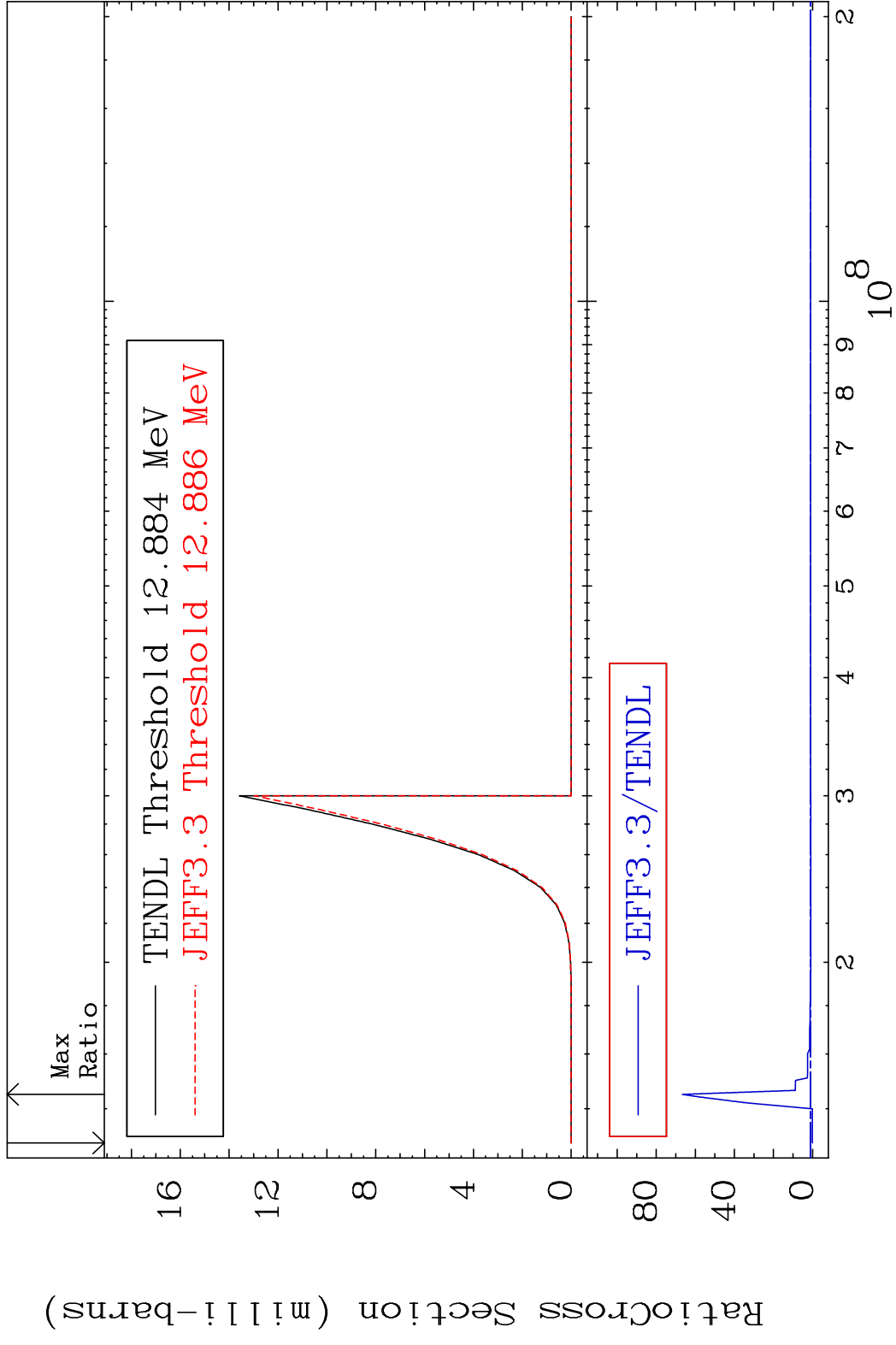
(n,4n)

75-Re-185

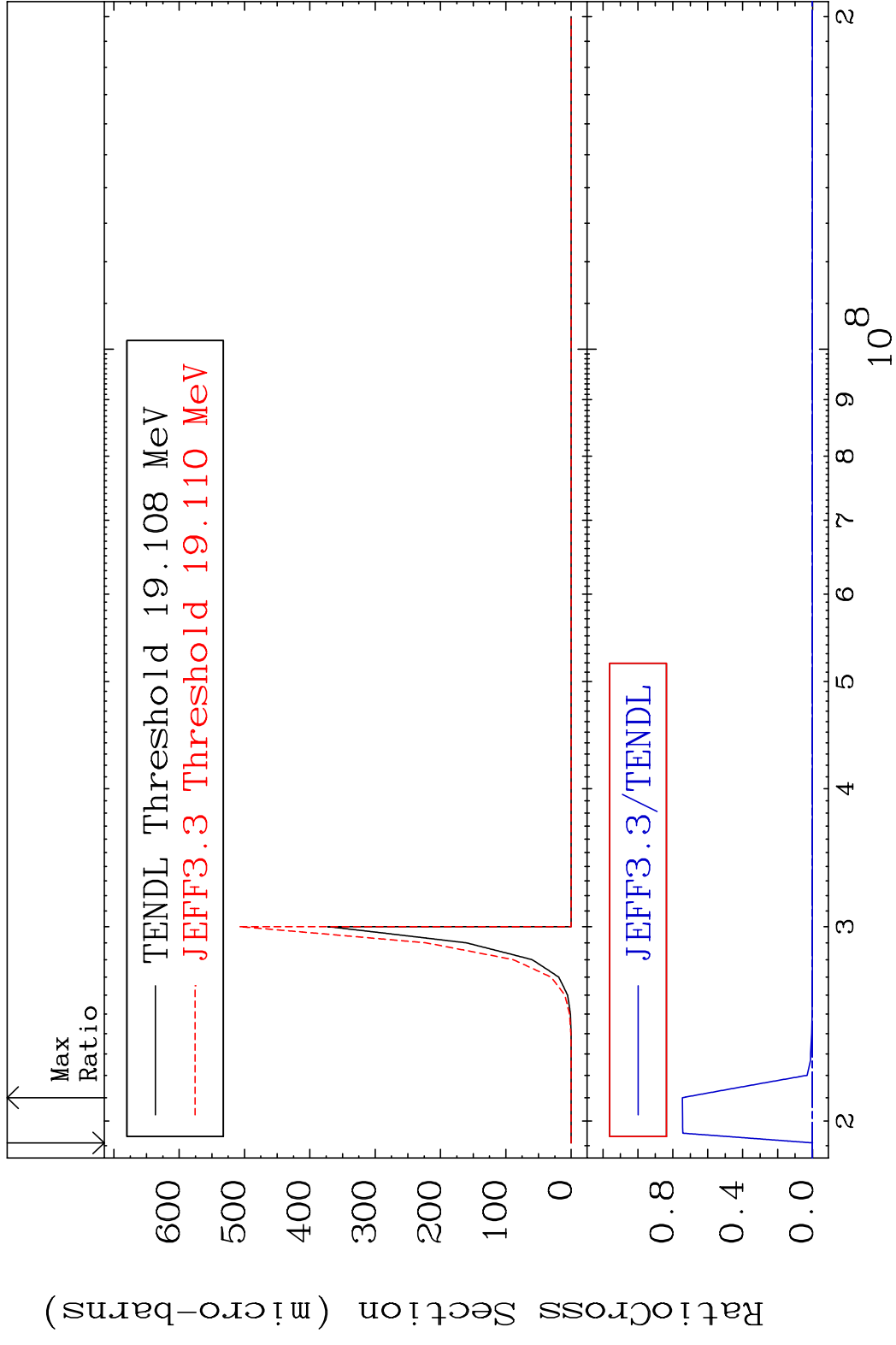
Cross Section -100.0 To 9999. %



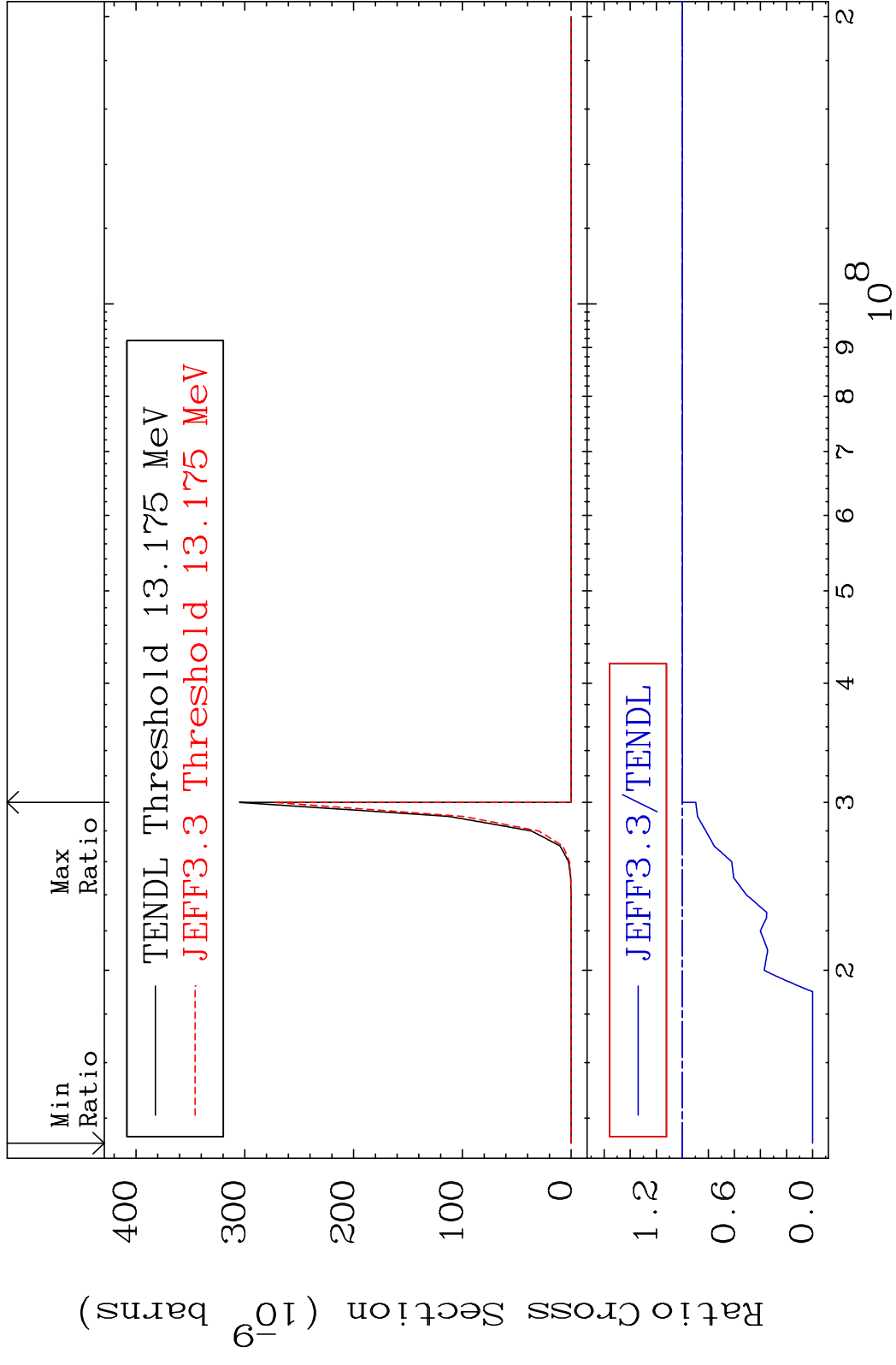
MAT 7525 (n,2n) p 75-Re-185
 Cross Section -100.0 To 6565. %



MAT 7525 (n,3n) p 75-Re-185
 Cross Section -100.0 To 9999. %



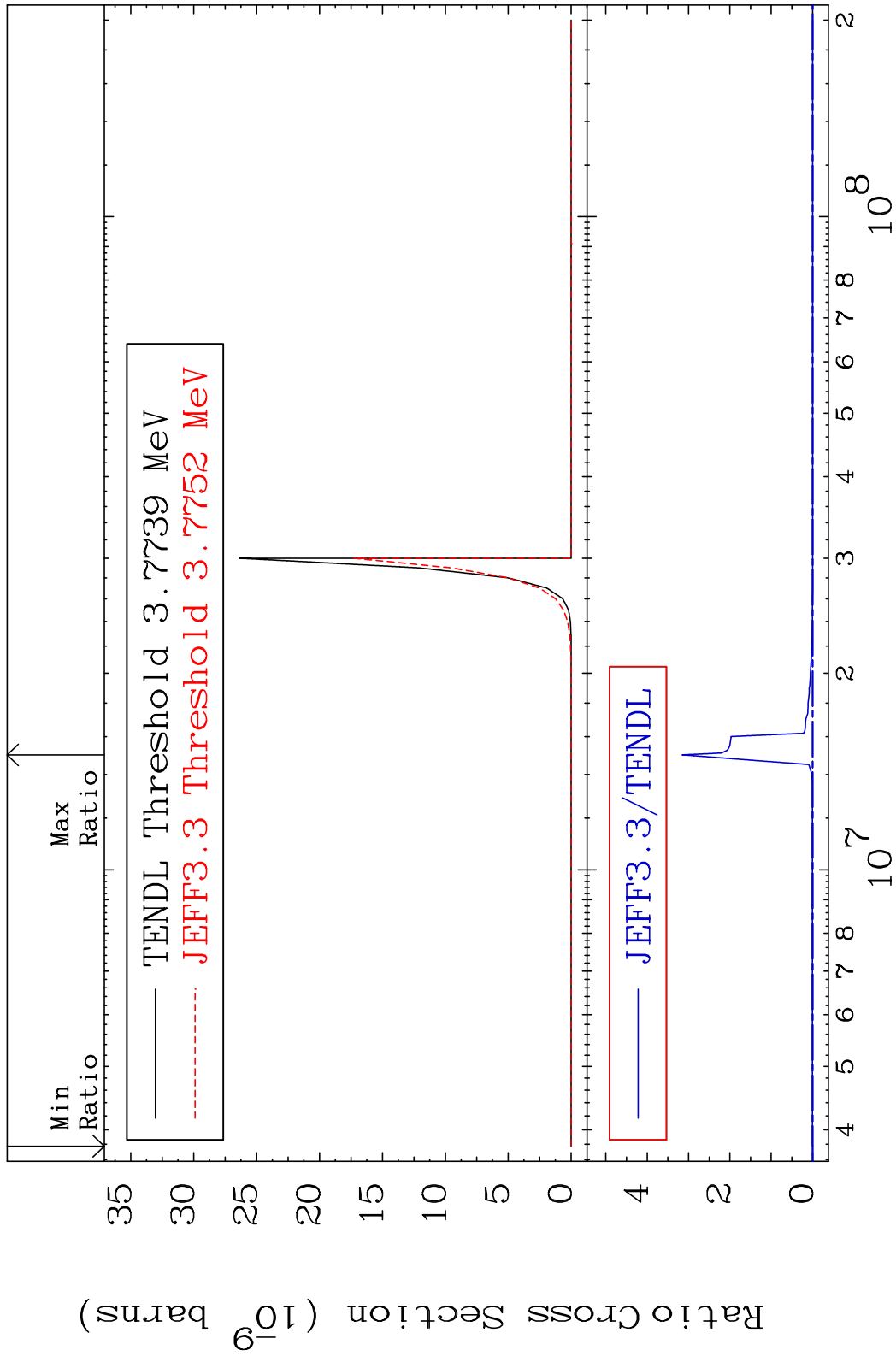
MAT 7525 (n,2n) p 75-Re-185
 Cross Section -100.0 To 0.000 %



MAT 7525

(n,n') p α 75-Re-185

Cross Section -100.0 To 9999. %

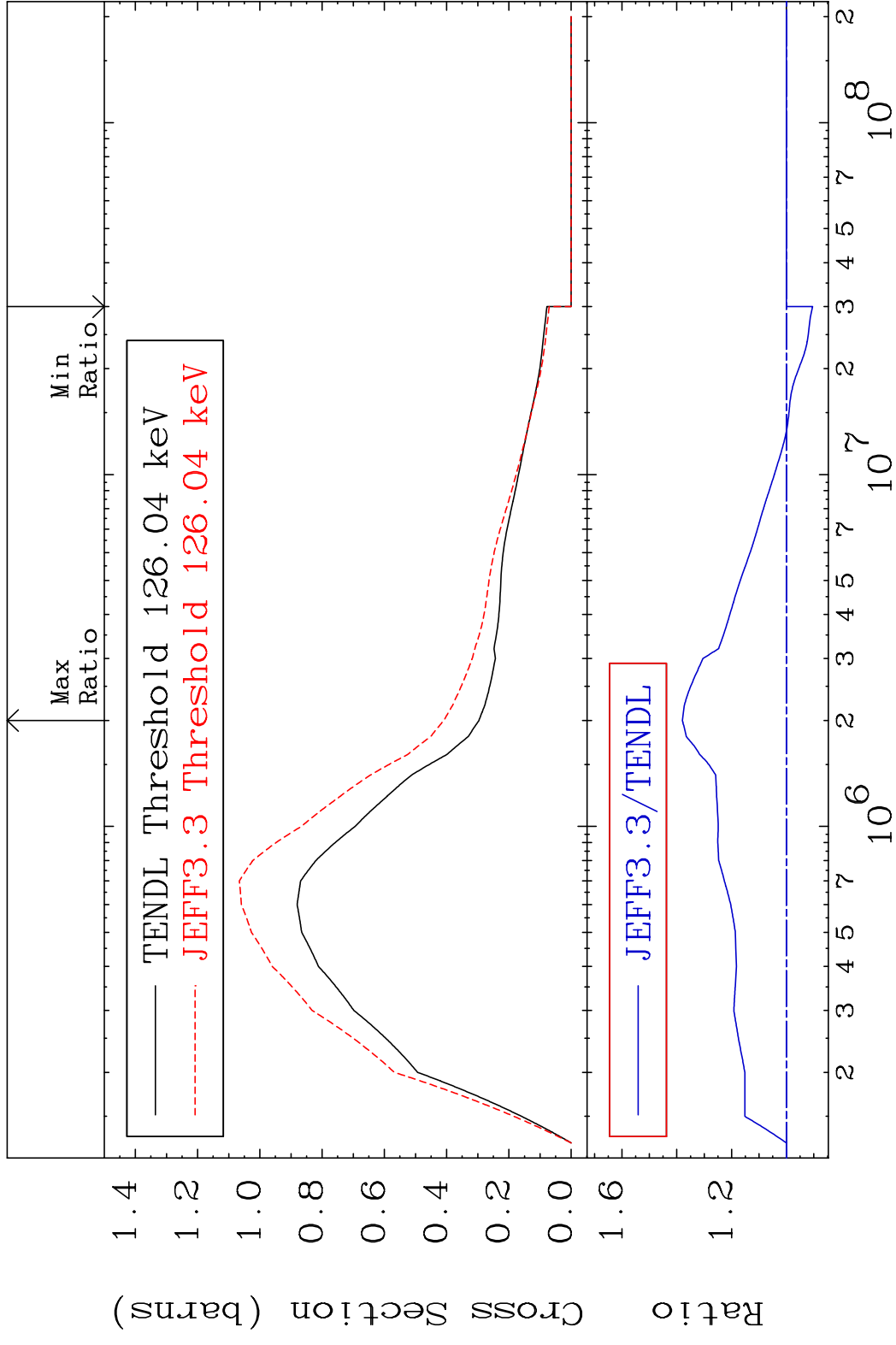


20

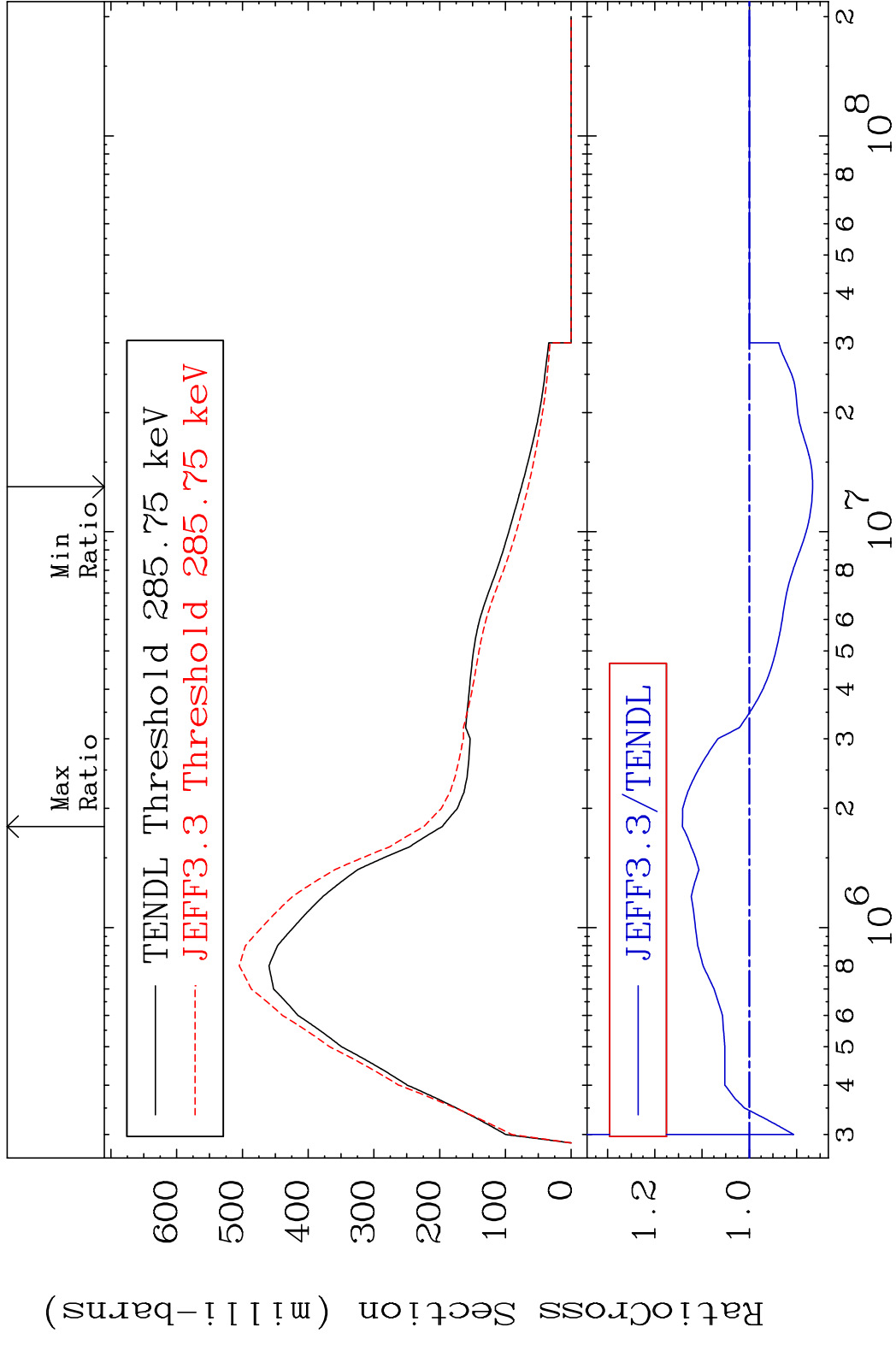
Incident Energy (eV)

75-Re-185

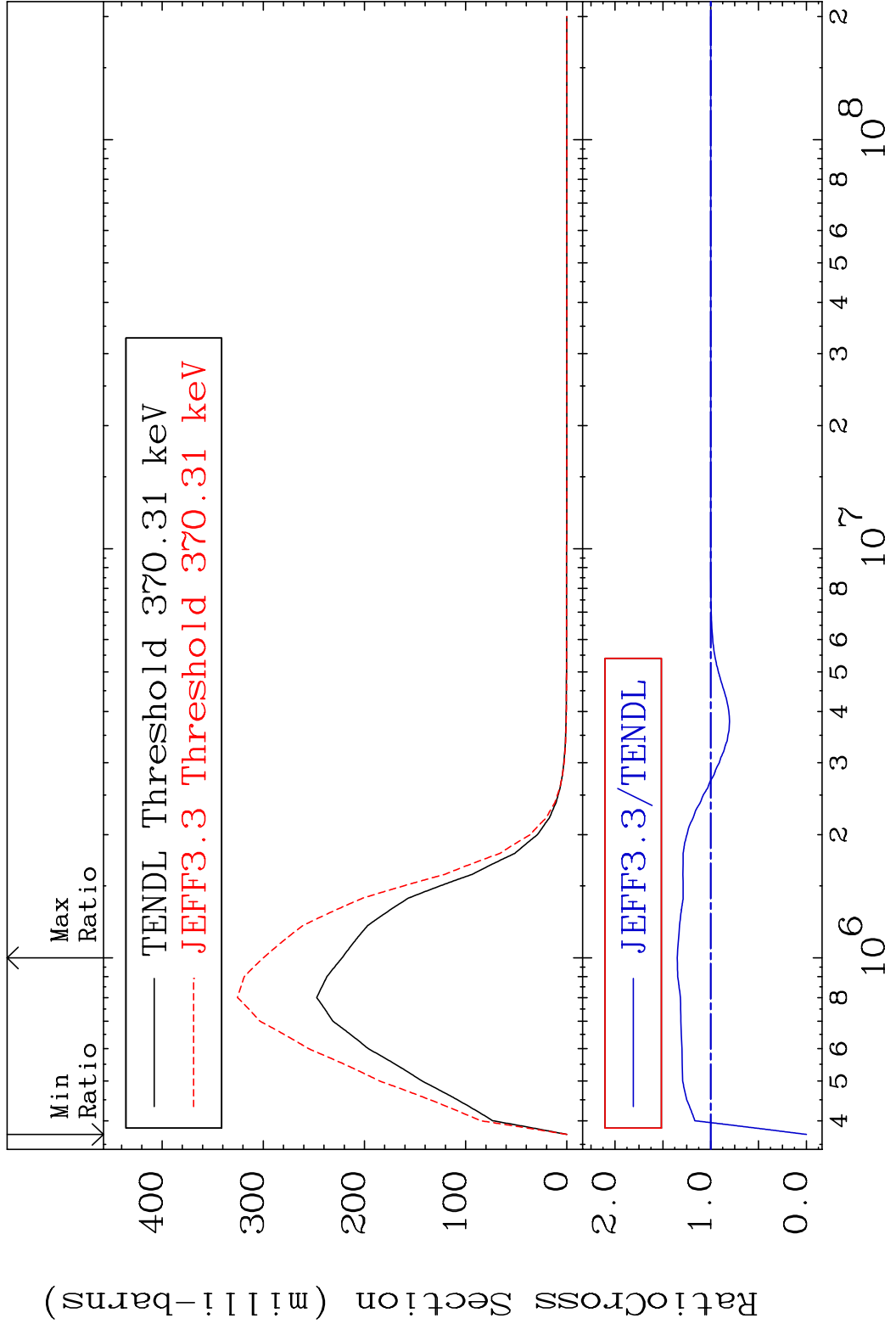
MAT 7525 MT= 51 (n, n') Level 75-Re-185
 Cross Section -9.525 To 37.97 %



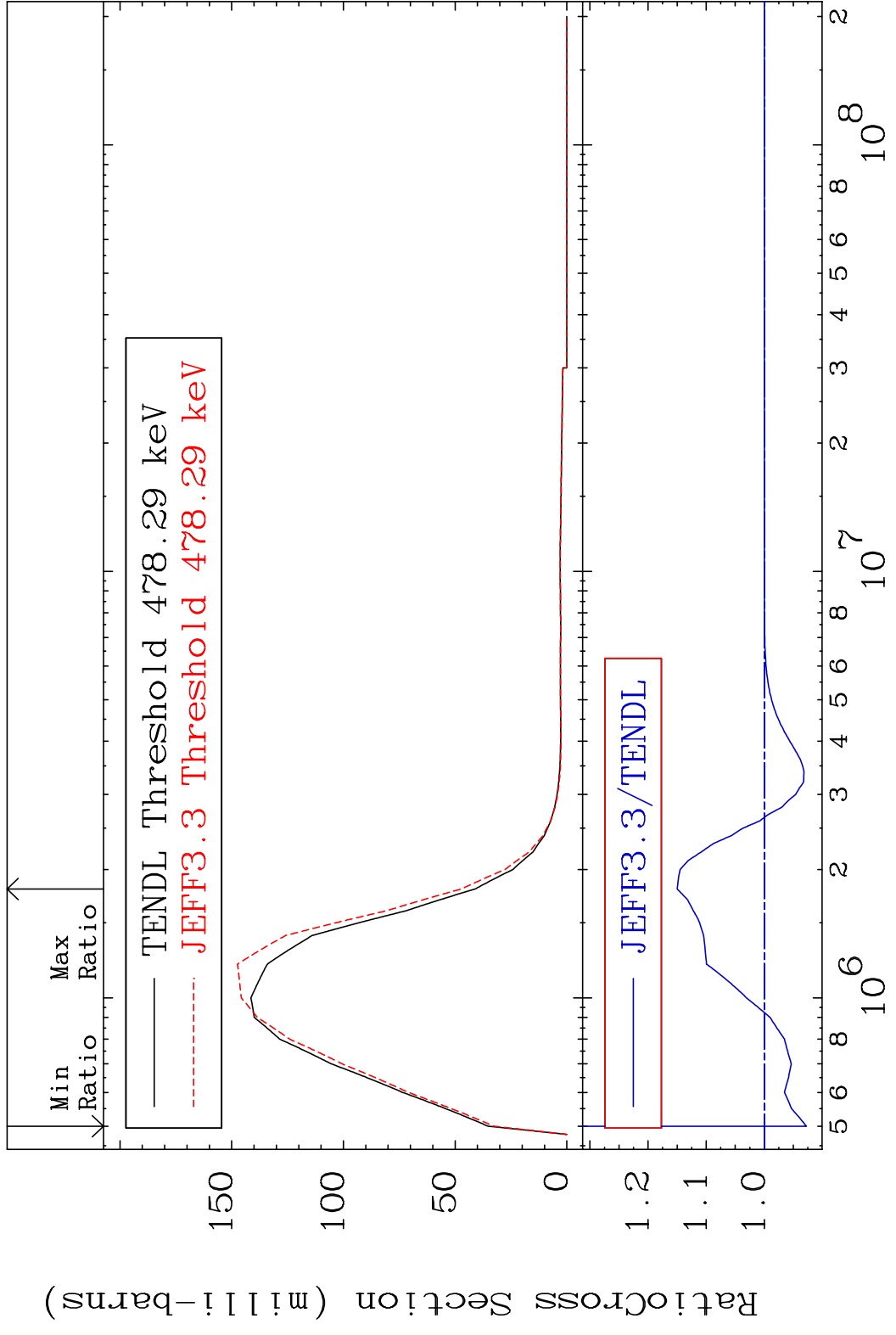
MAT 7525 MT= 52 (n, n') Level 75-Re-185
 Cross Section -13.38 To 14.18 %



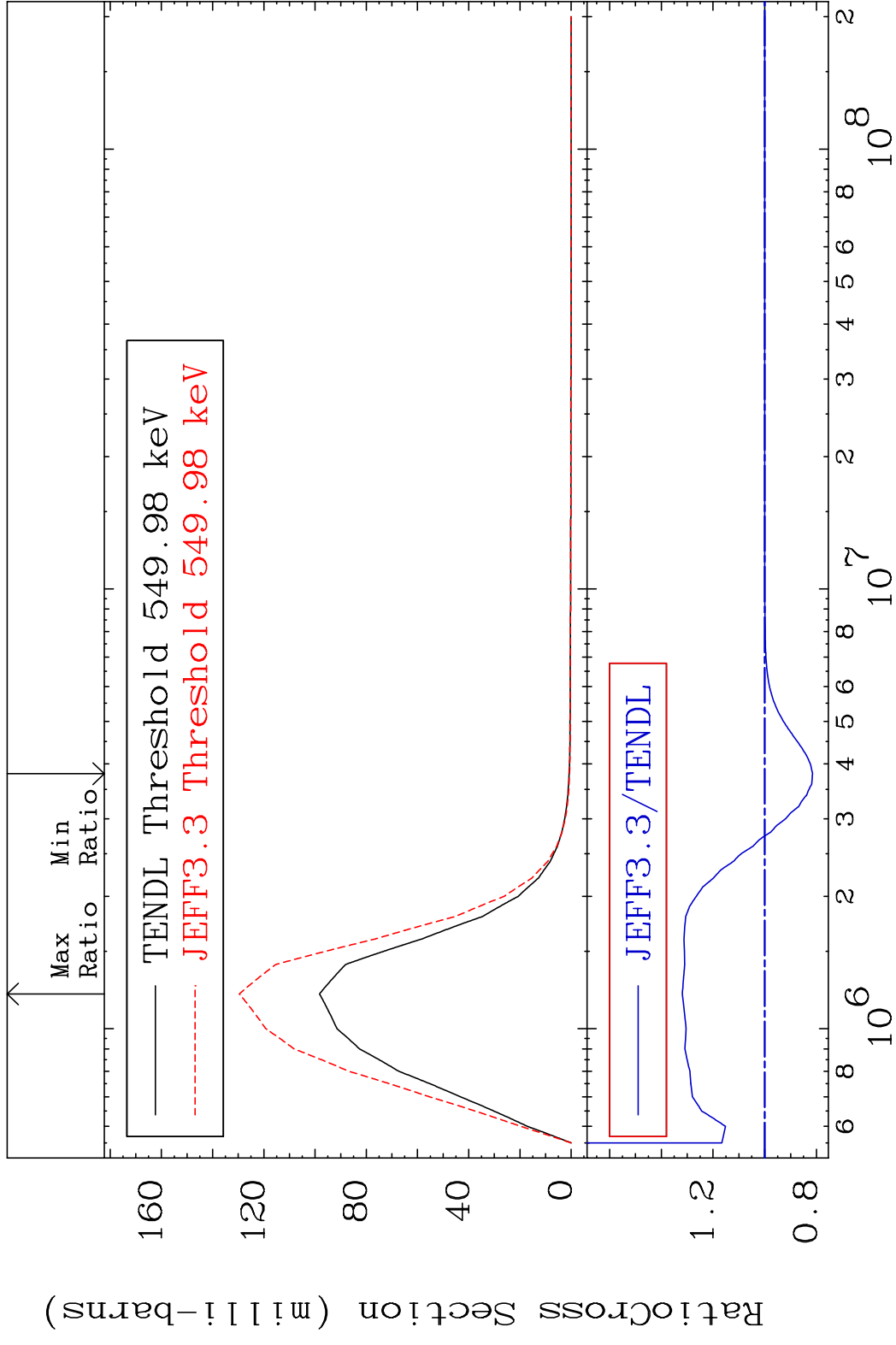
MAT 7525 MT= 53 (n, n') Level 75-Re-185
 Cross Section -100.0 To 35.04 %



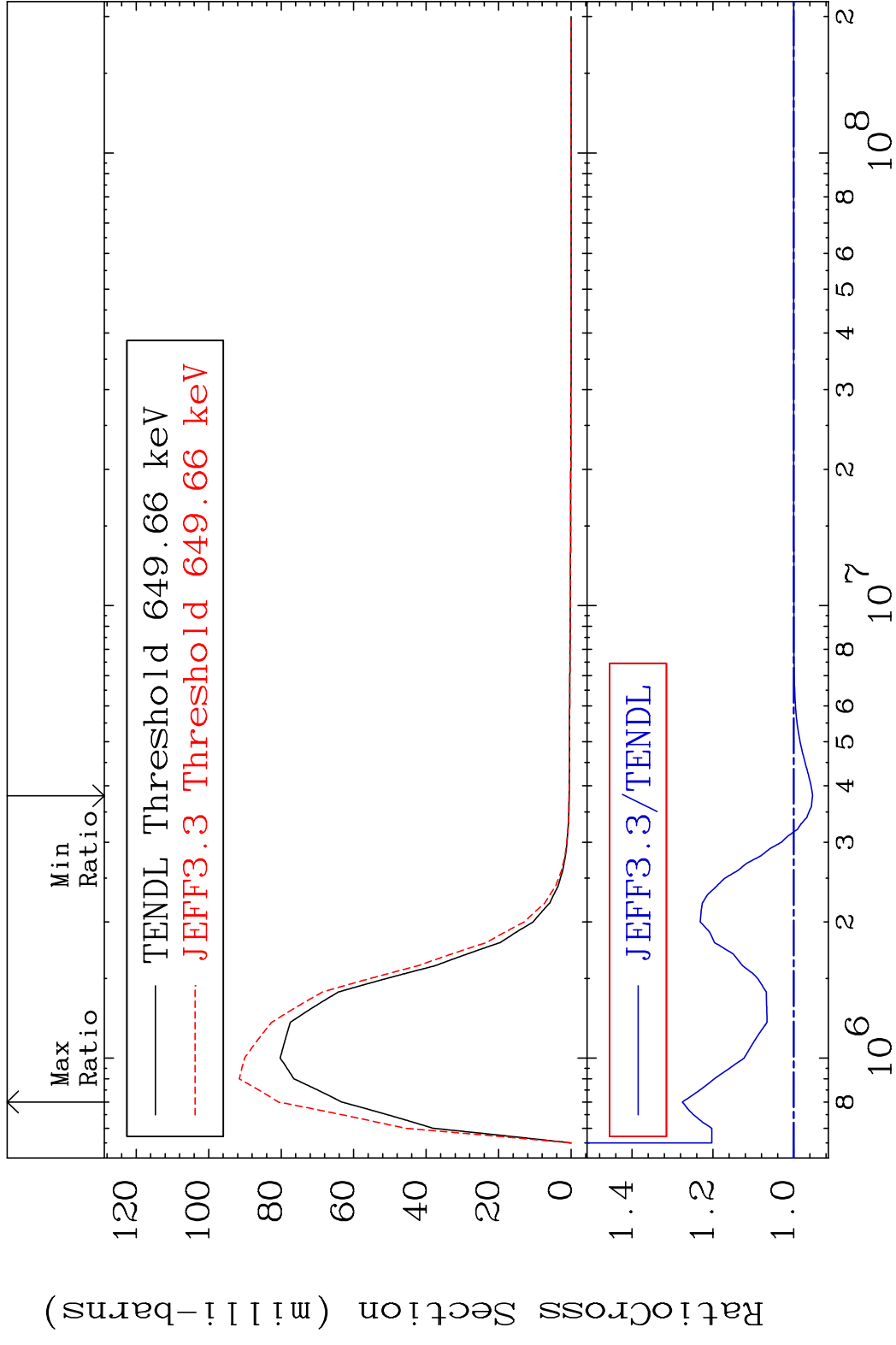
MAT 7525 MT= 54 (n,n') Level 75-Re-185
 Cross Section -7.243 To 14.99 %



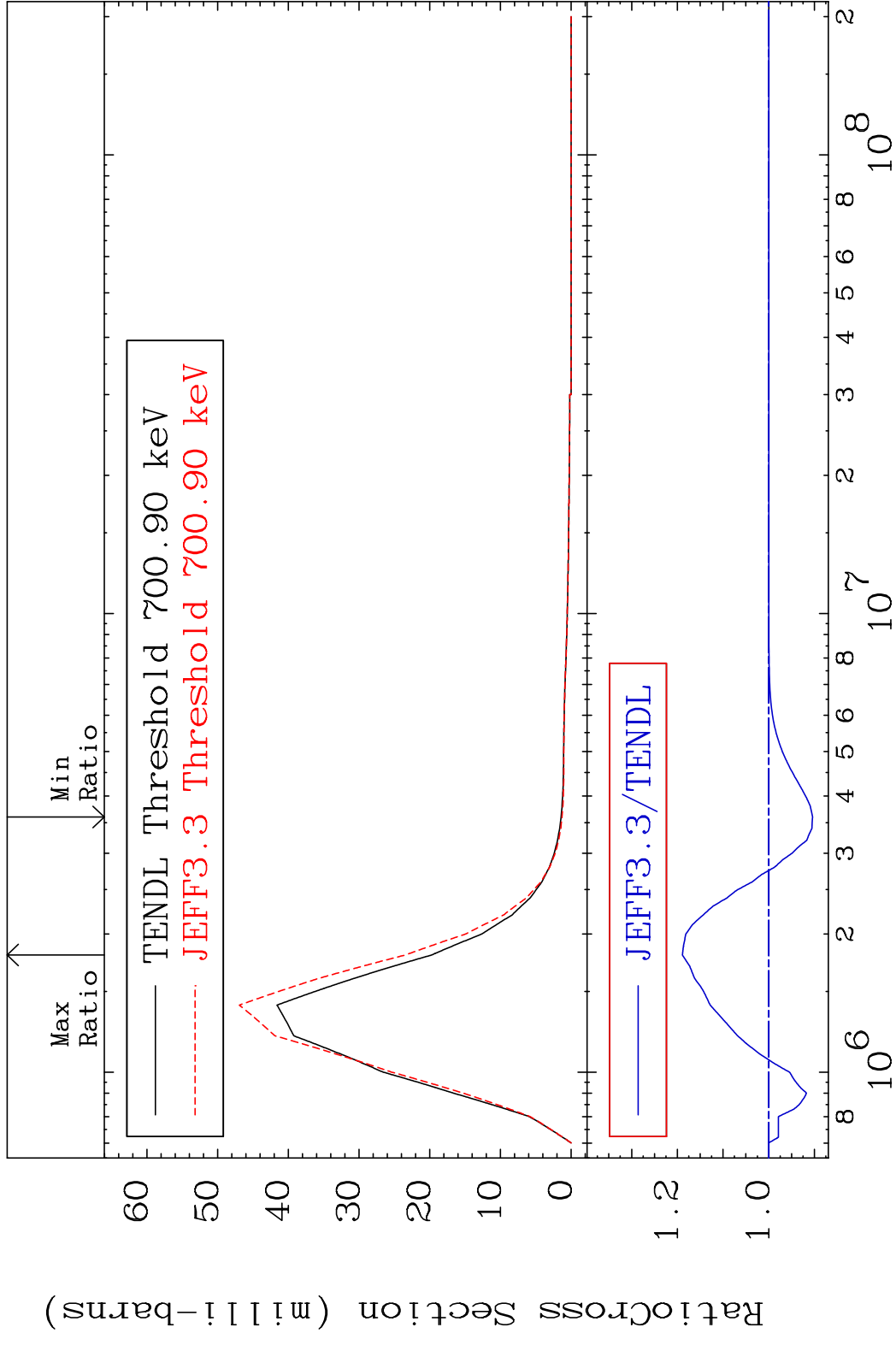
MAT 7525 MT= 55 (n,n') Level 75-Re-185
 Cross Section -18.49 To 31.86 %



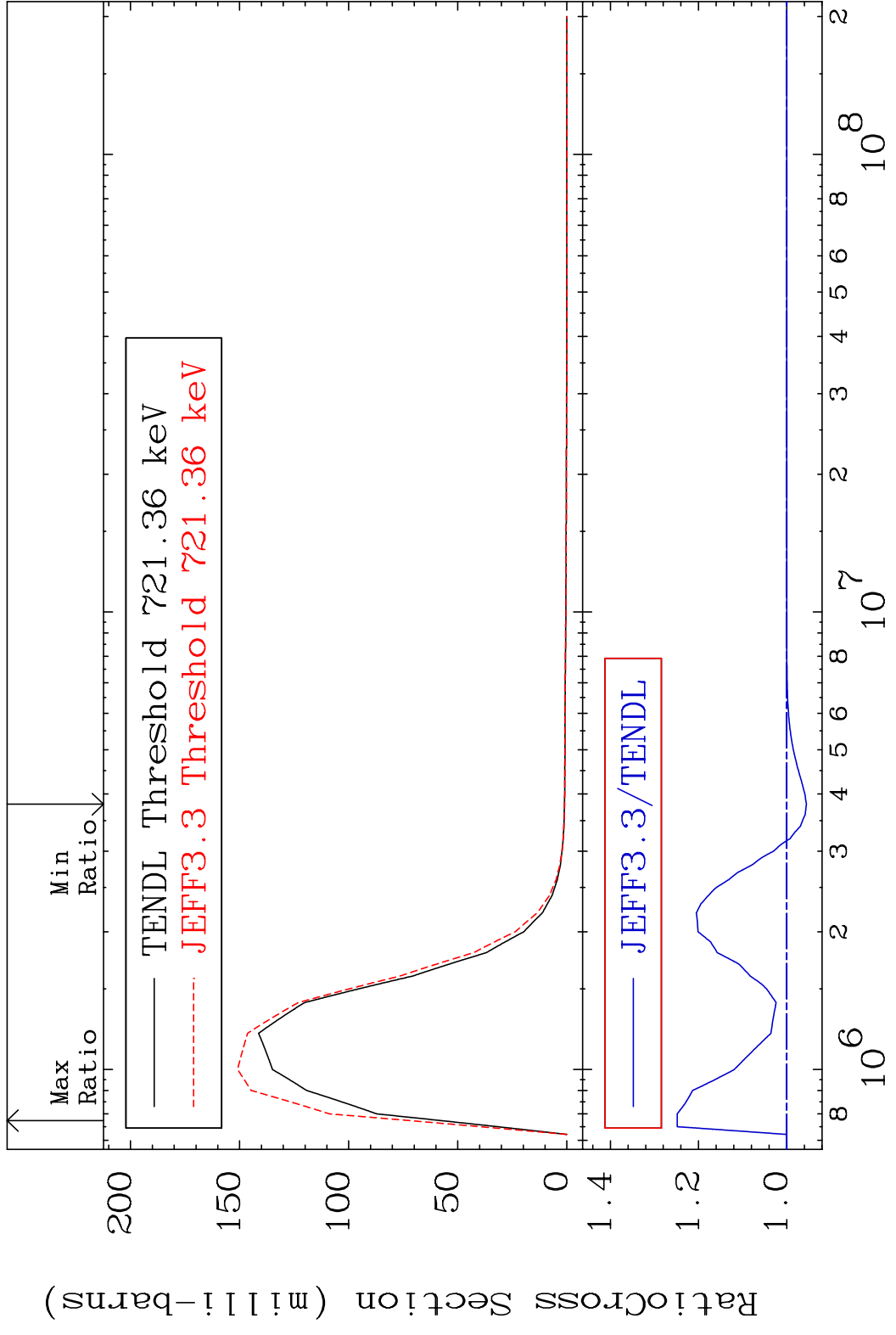
MAT 7525 MT= 56 (n,n') Level 75-Re-185
 Cross Section -4.640 To 27.56 %



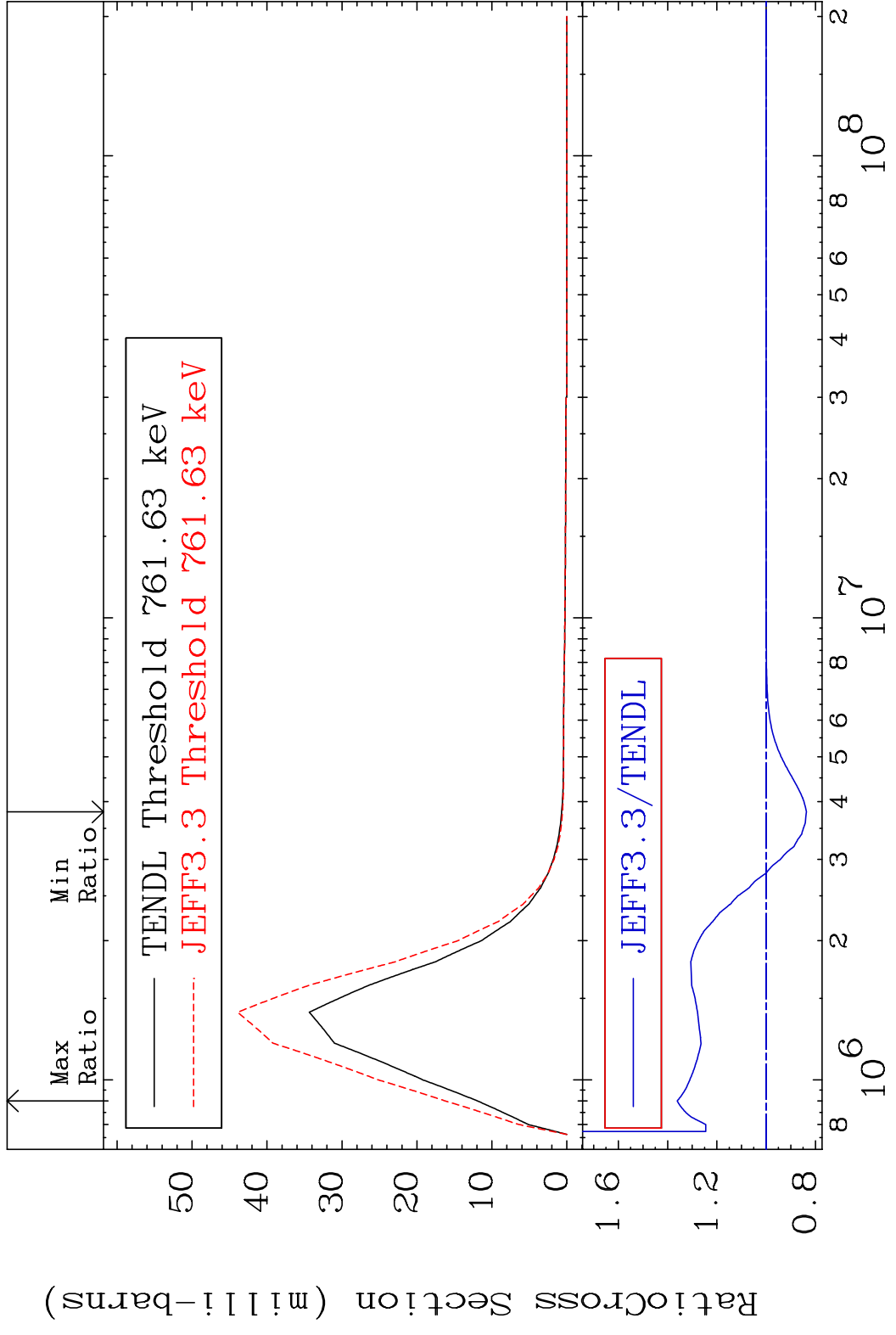
MAT 7525 MT= 57 (n, n') Level 75-Re-185
 Cross Section -9.588 To 18.90 %



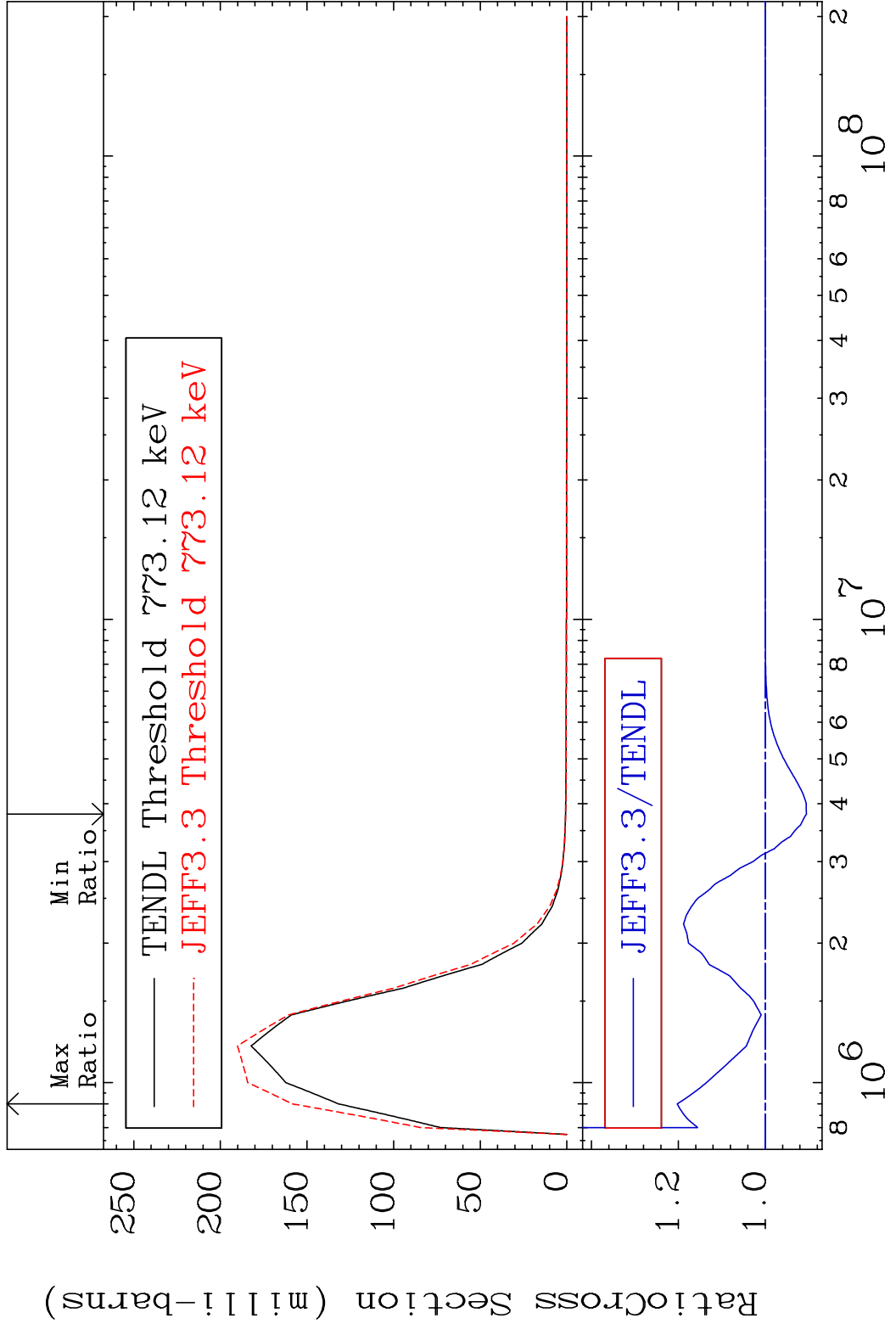
MAT 7525 MT= 58 (n,n') Level 75-Re-185
 Cross Section -4.474 To 24.85 %



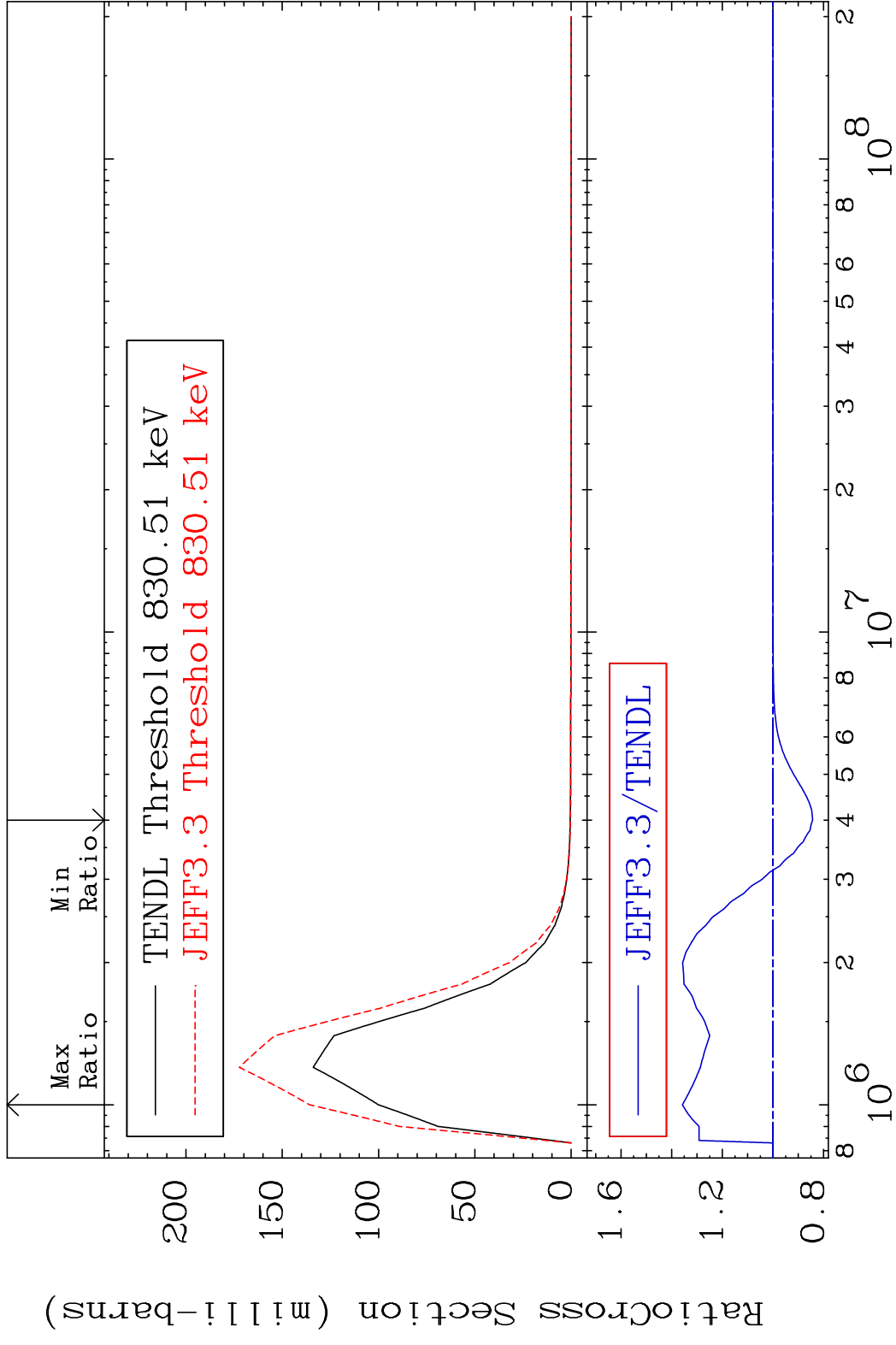
MAT 7525 MT= 59 (n,n') Level 75-Re-185
 Cross Section -16.34 To 36.11 %



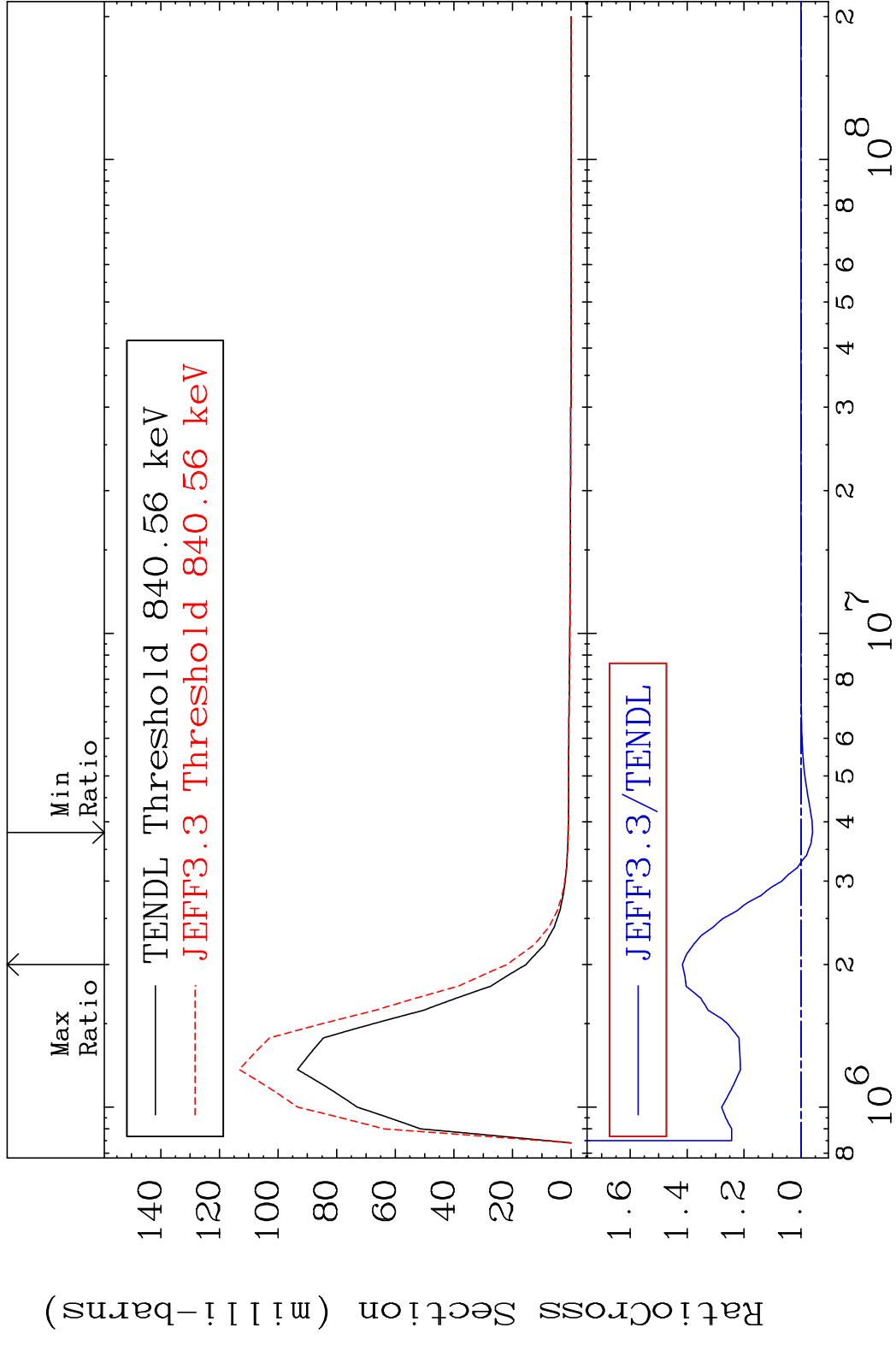
MAT 7525 MT= 60 (n, n') Level 75-Re-185
 Cross Section -9.484 To 20.27 %



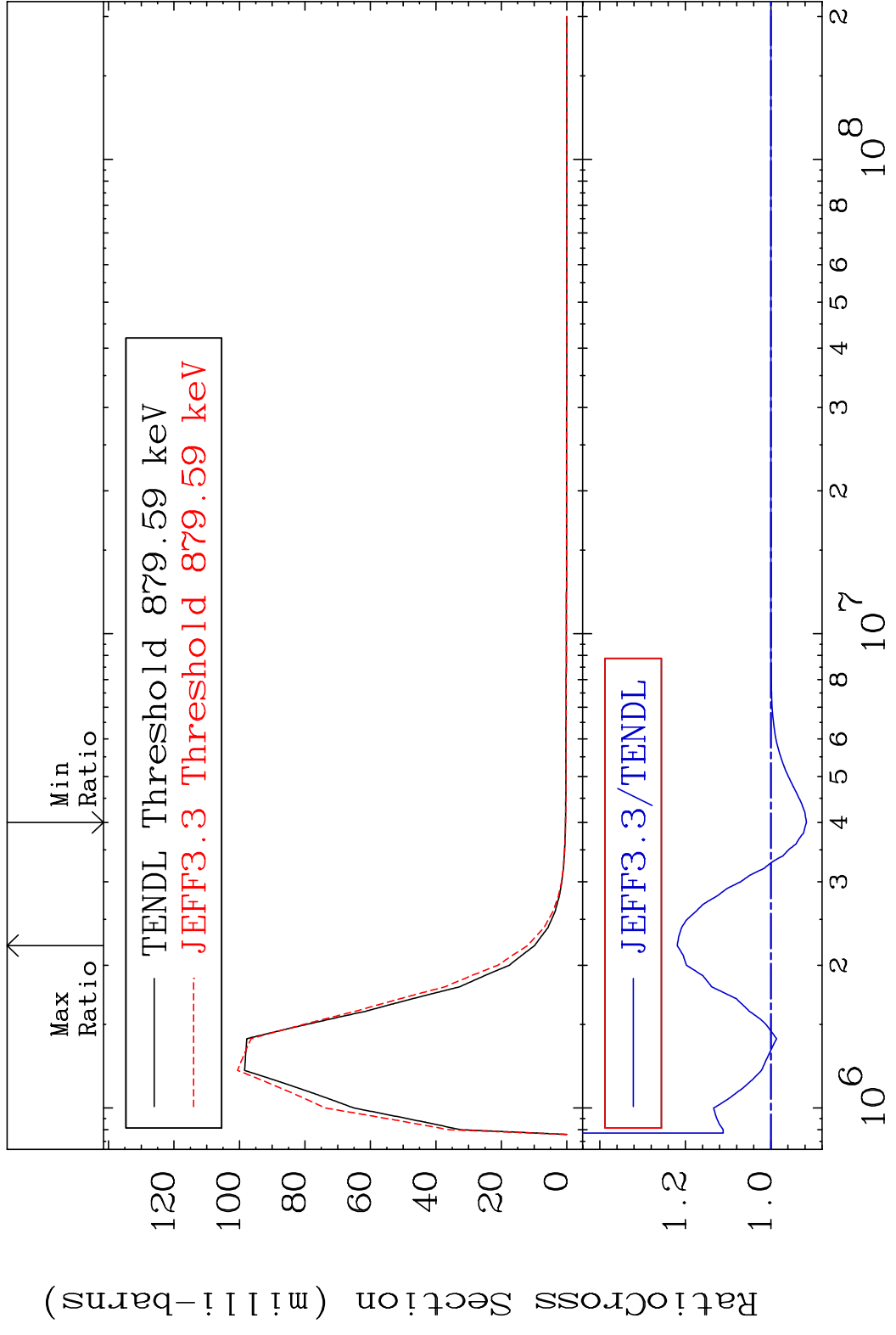
MAT 7525 MT= 61 (n, n') Level 75-Re-185
 Cross Section -15.63 To 35.78 %



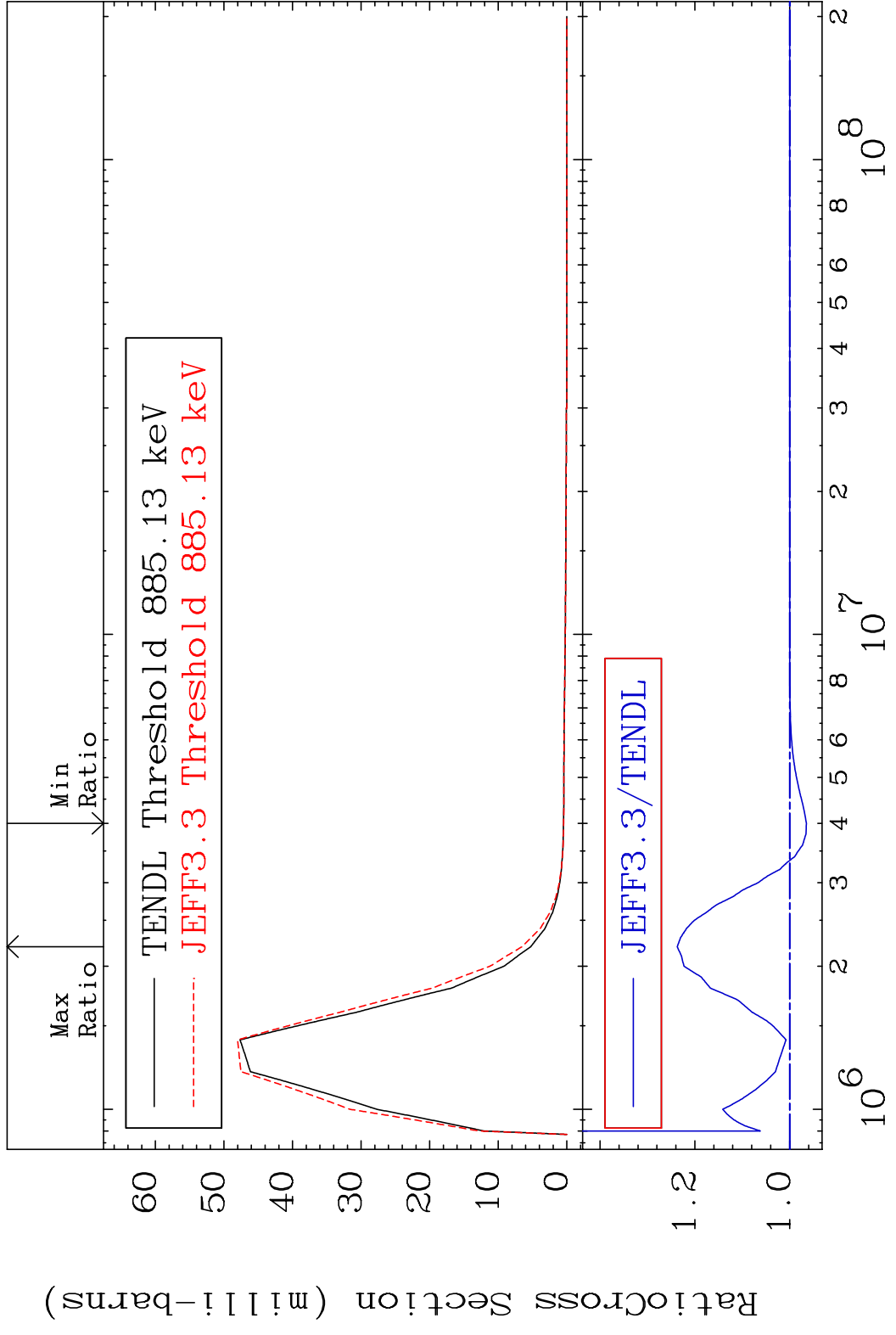
MAT 7525 MT= 62 (n, n') Level 75-Re-185
 Cross Section -4.055 To 41.68 %



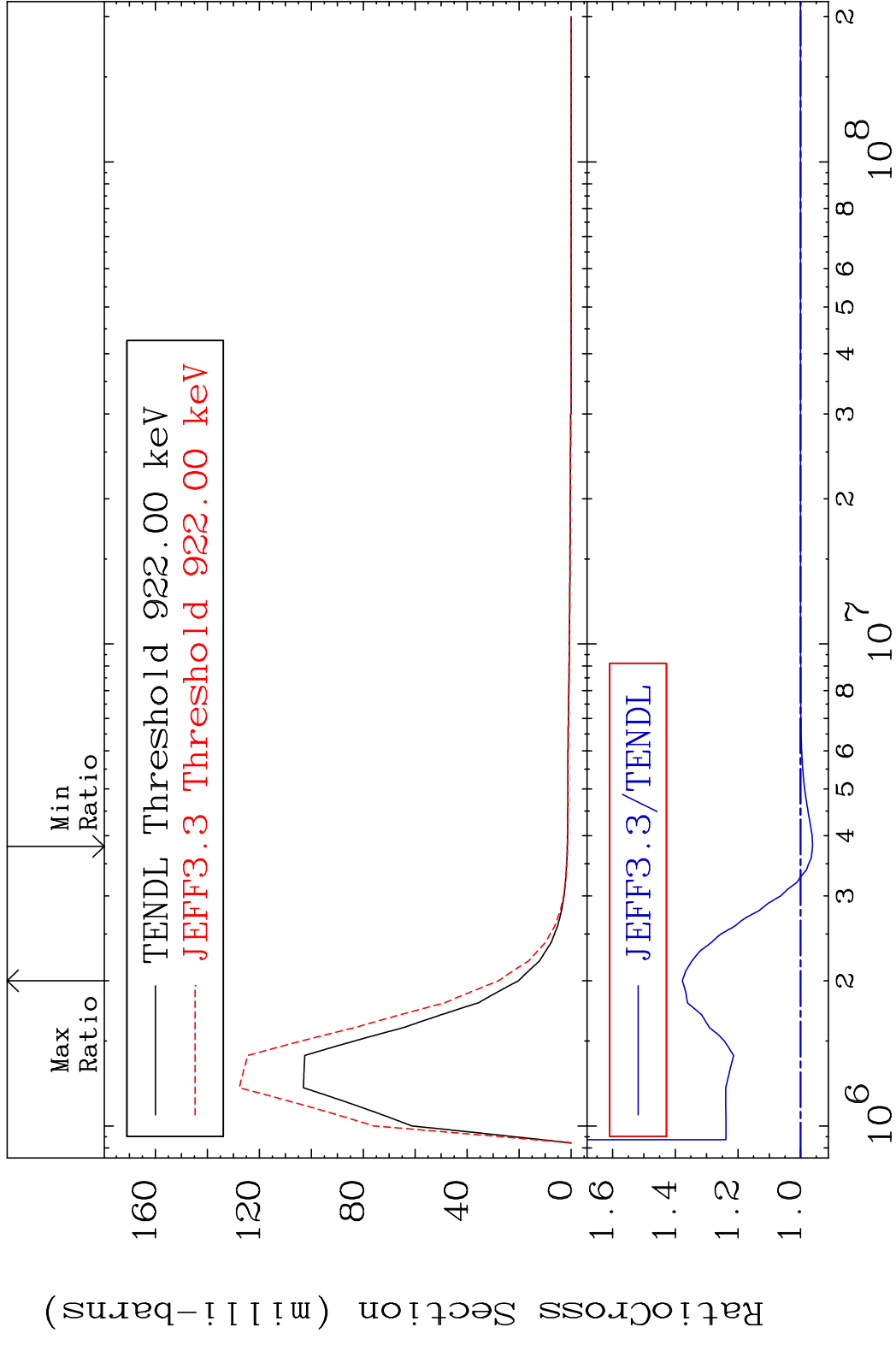
MAT 7525 MT= 63 (n, n') Level 75-Re-185
 Cross Section -8.315 To 21.91 %



MAT 7525 MT= 64 (n, n') Level 75-Re-185
 Cross Section -3.536 To 23.73 %

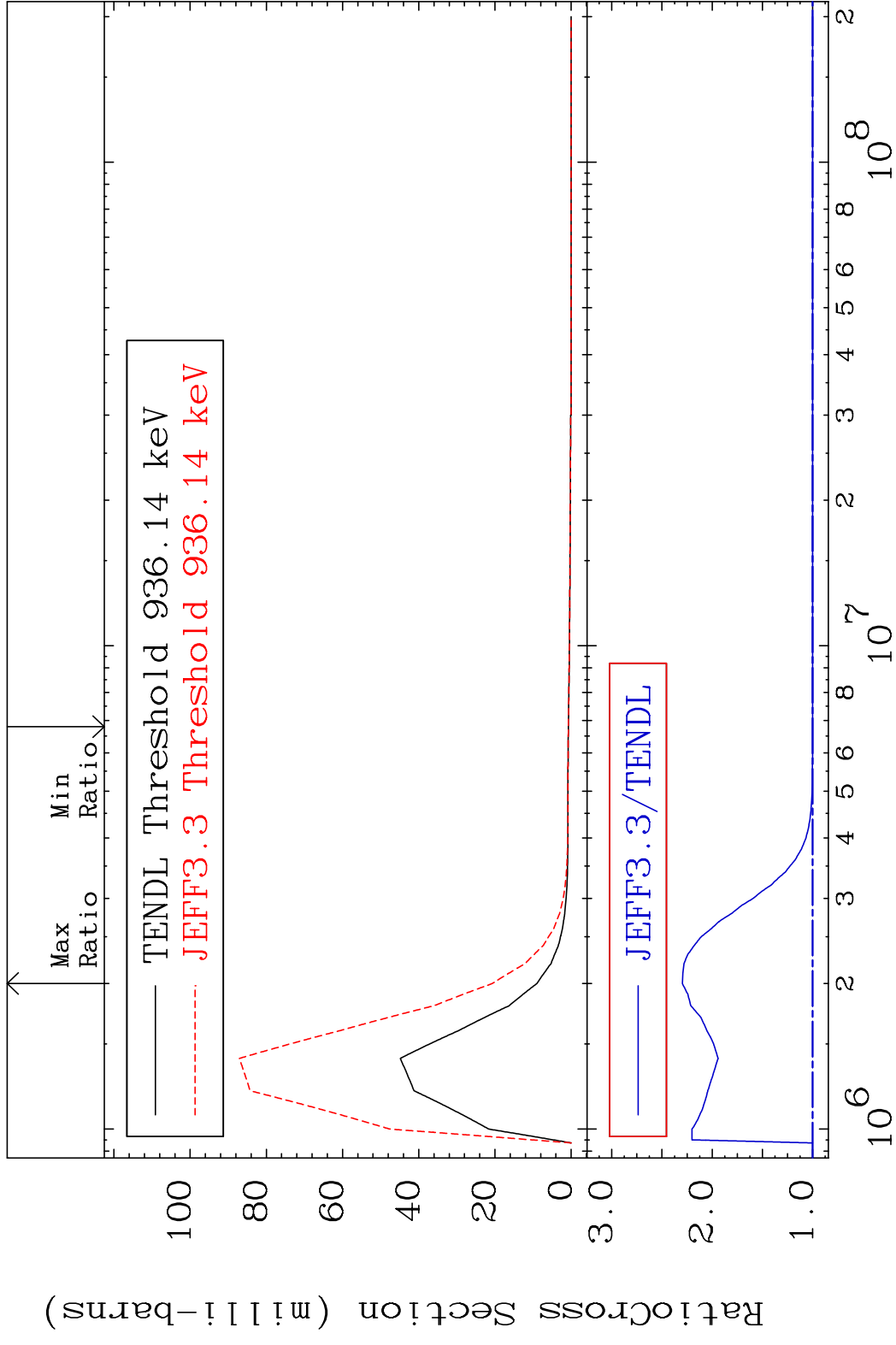


MAT 7525 MT= 65 (n, n') Level 75-Re-185
 Cross Section -3.810 To 37.74 %



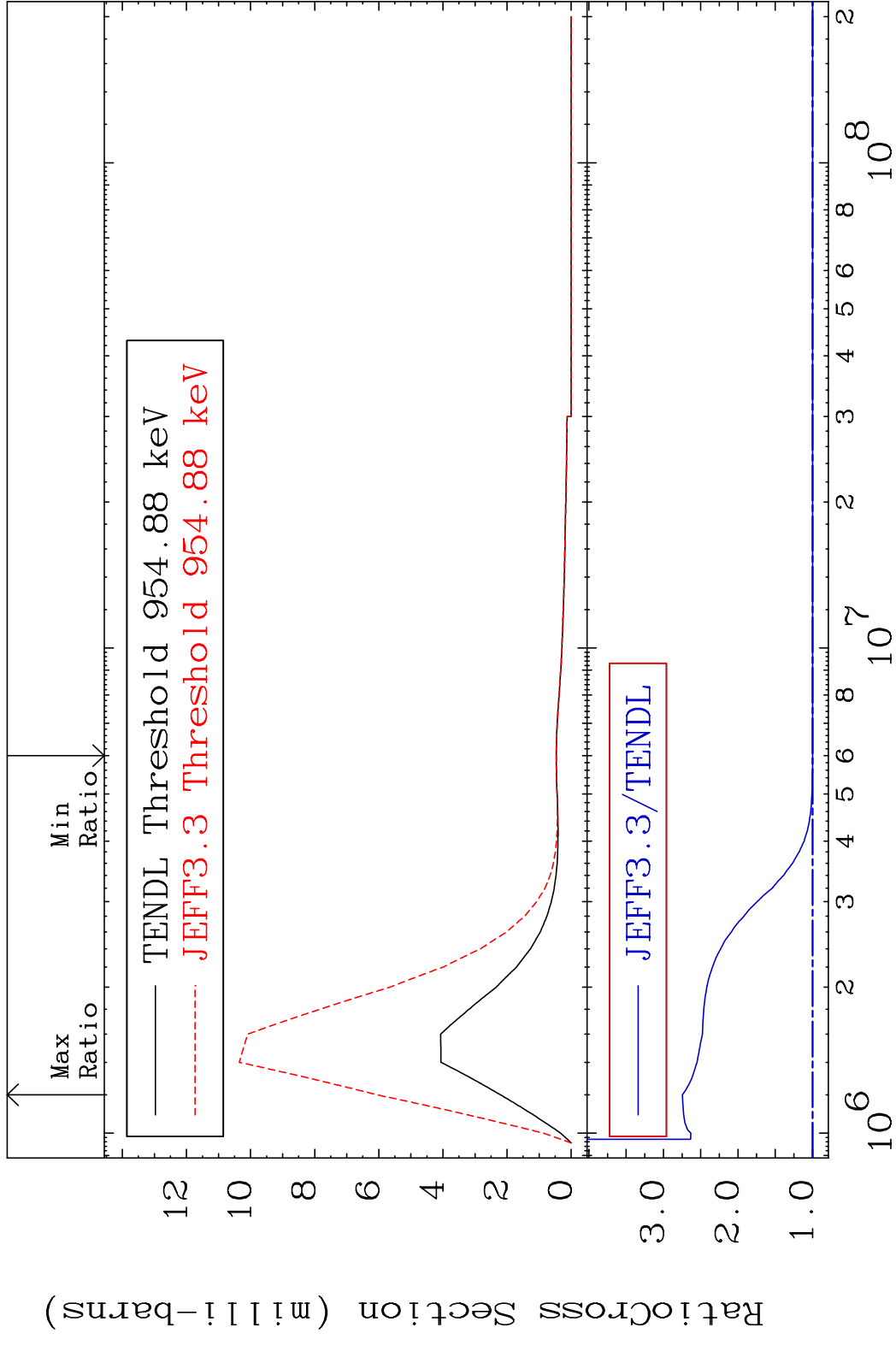
35 Incident Energy (eV) 75-Re-185

MAT 7525 MT= 66 (n, n') Level 75-Re-185
 Cross Section -0.005 To 129.7 %

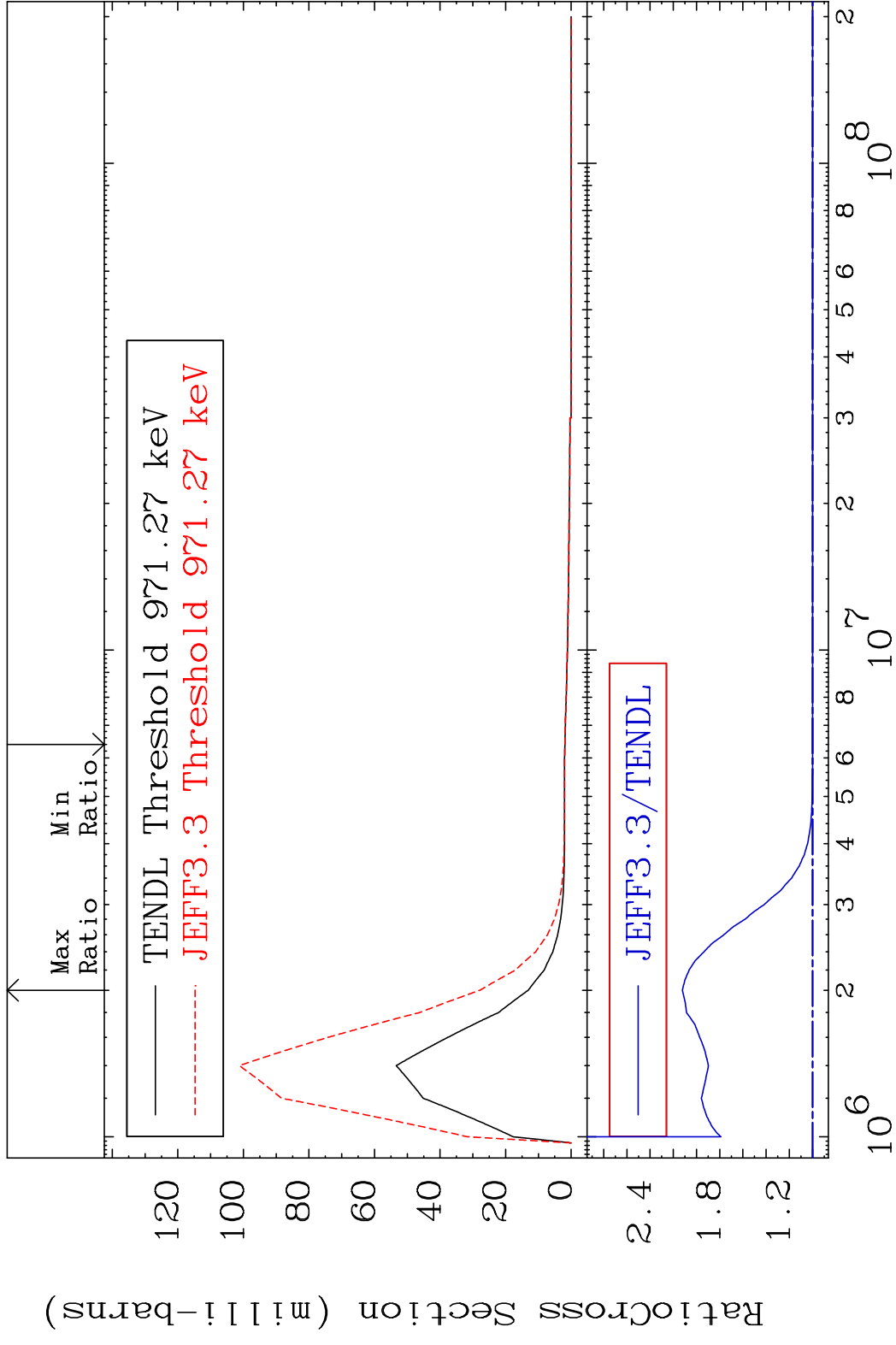


36 Incident Energy (eV) 75-Re-185

MAT 7525 MT= 67 (n, n') Level 75-Re-185
 Cross Section -0.051 To 174.6 %

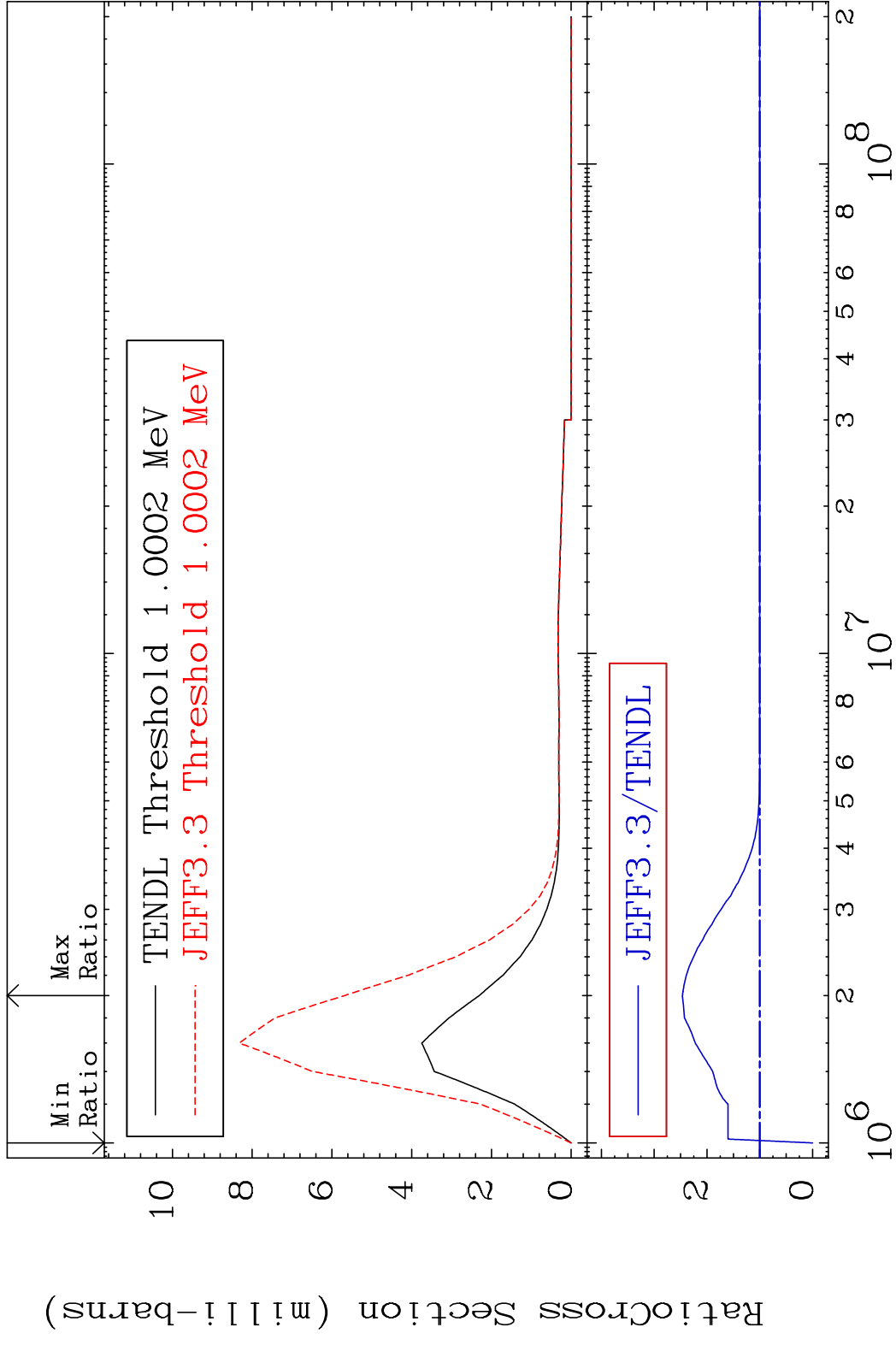


MAT 7525 MT= 68 (n, n') Level 75-Re-185
 Cross Section -0.008 To 112.2 %



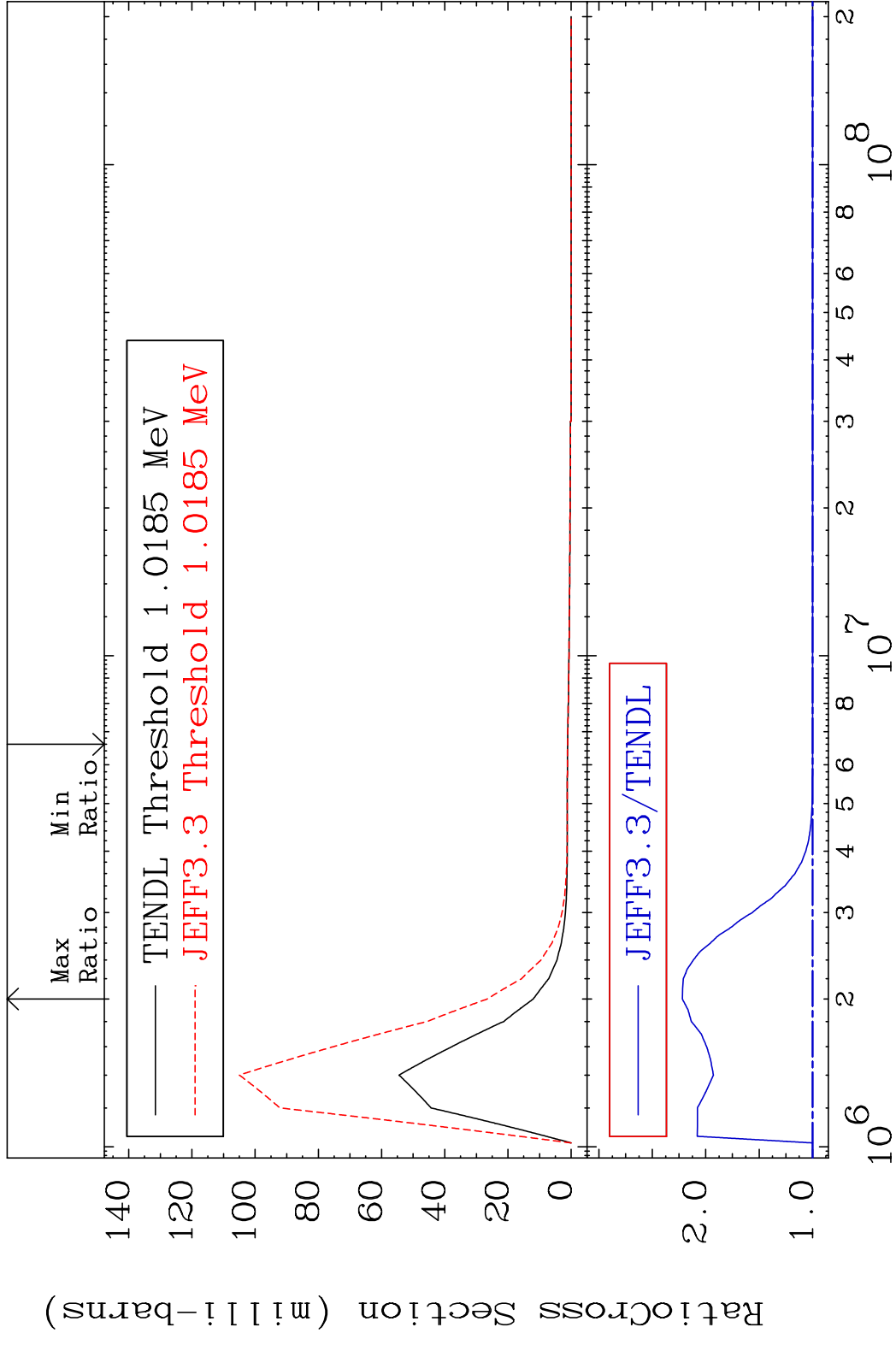
38 Incident Energy (eV) 75-Re-185

MAT 7525 MT= 69 (n, n') Level 75-Re-185
 Cross Section -100.0 To 146.6 %



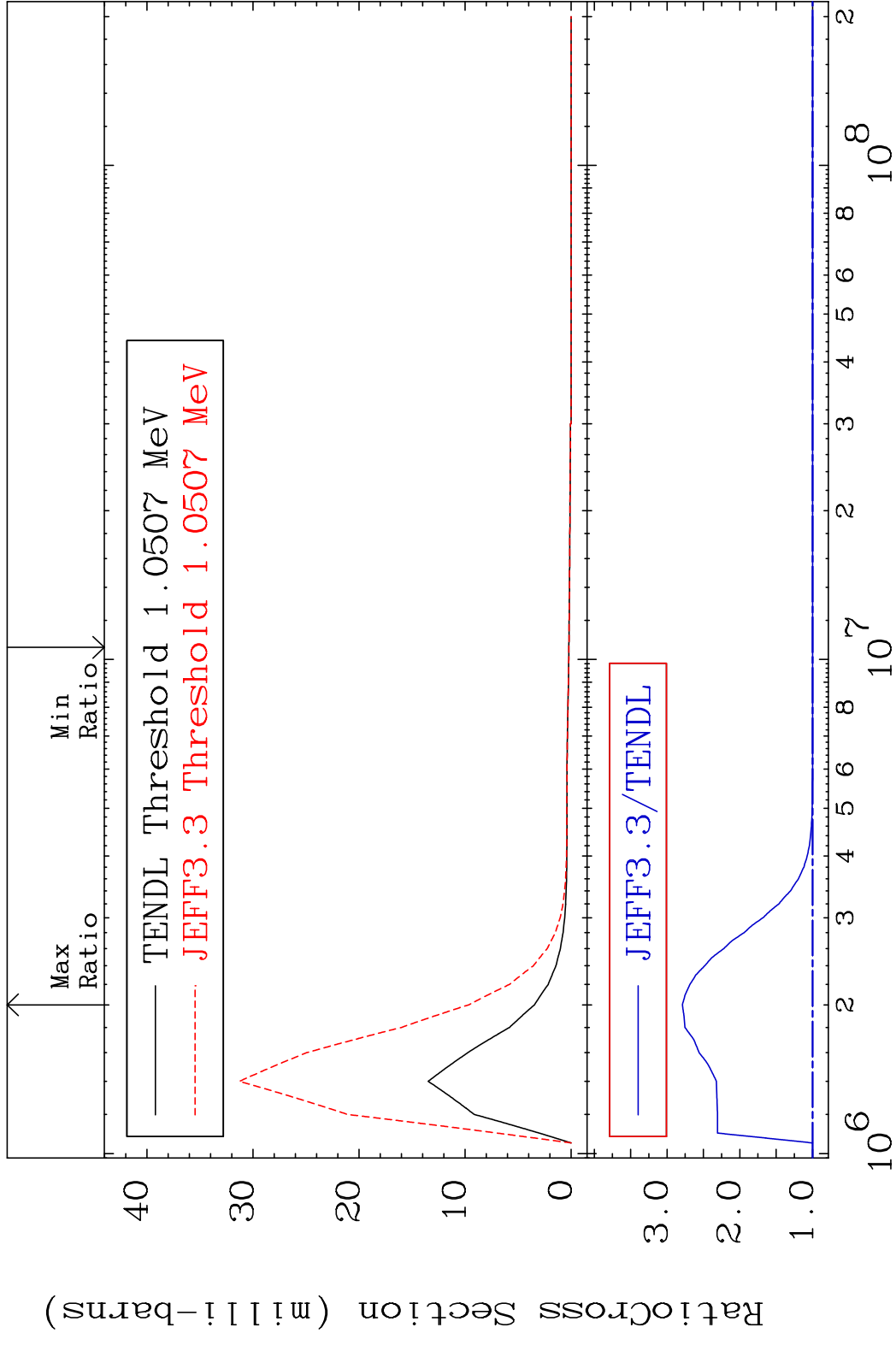
39 Incident Energy (eV) 75-Re-185

MAT 7525 MT= 70 (n,n') Level 75-Re-185
 Cross Section -0.007 To 121.9 %

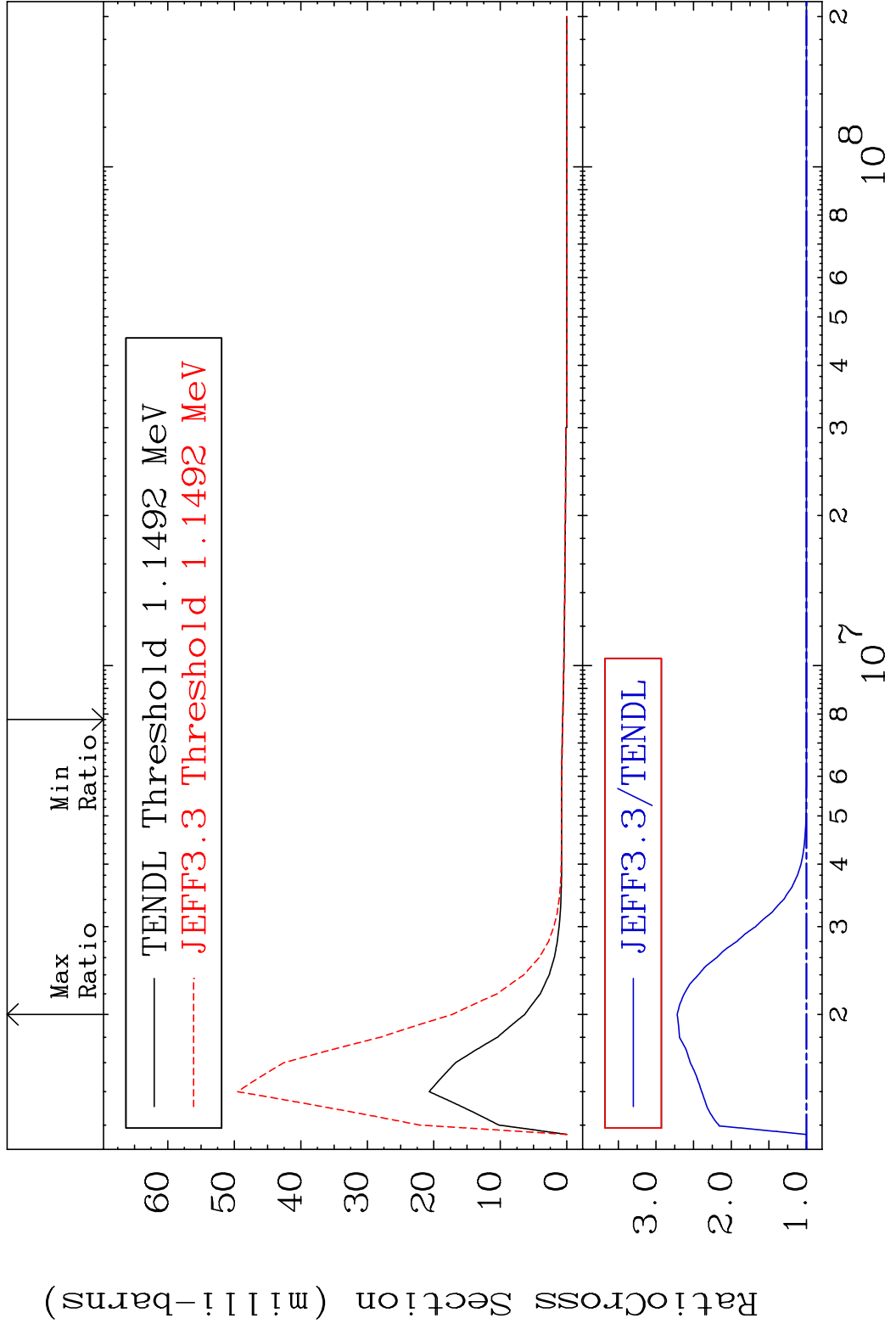


40 2 2 3 3 4 4 5 5 6 6 7 7 8 8 10⁶ 10⁷ 10⁸

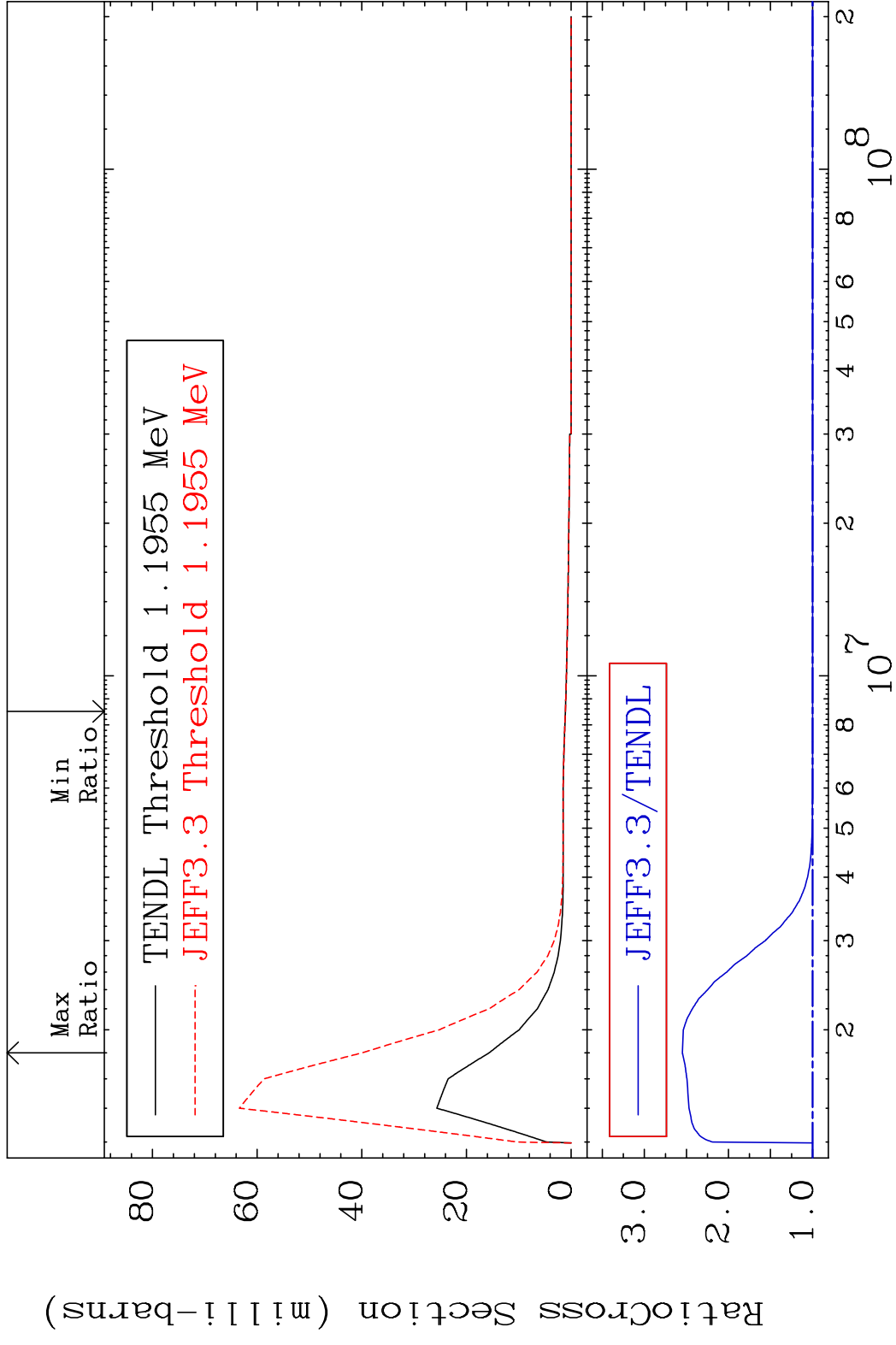
MAT 7525 MT= 71 (n, n') Level 75-Re-185
 Cross Section 0.000 To 178.9 %



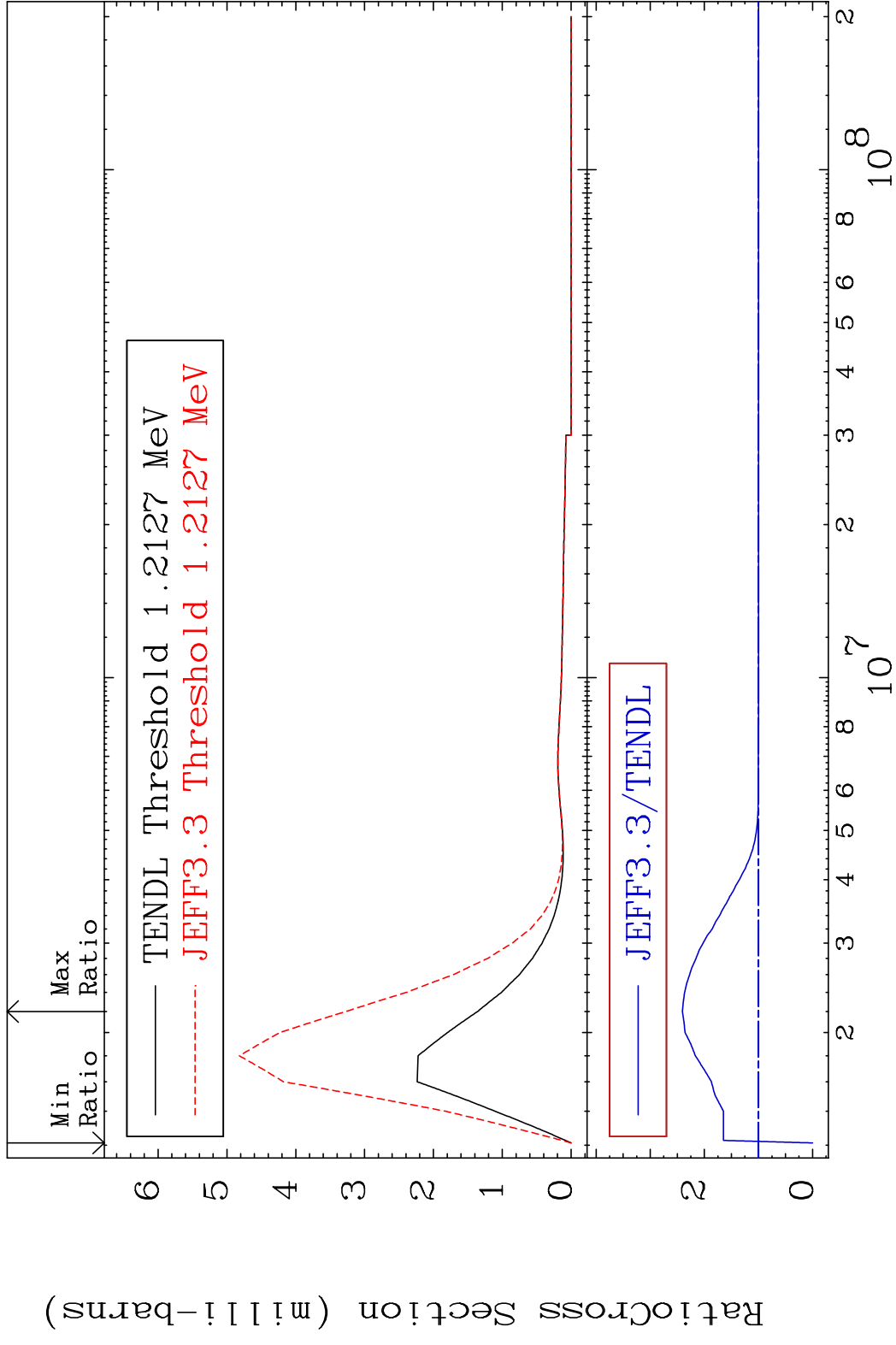
MAT 7525 MT= 72 (n, n') Level 75-Re-185
 Cross Section 0.000 To 171.8 %



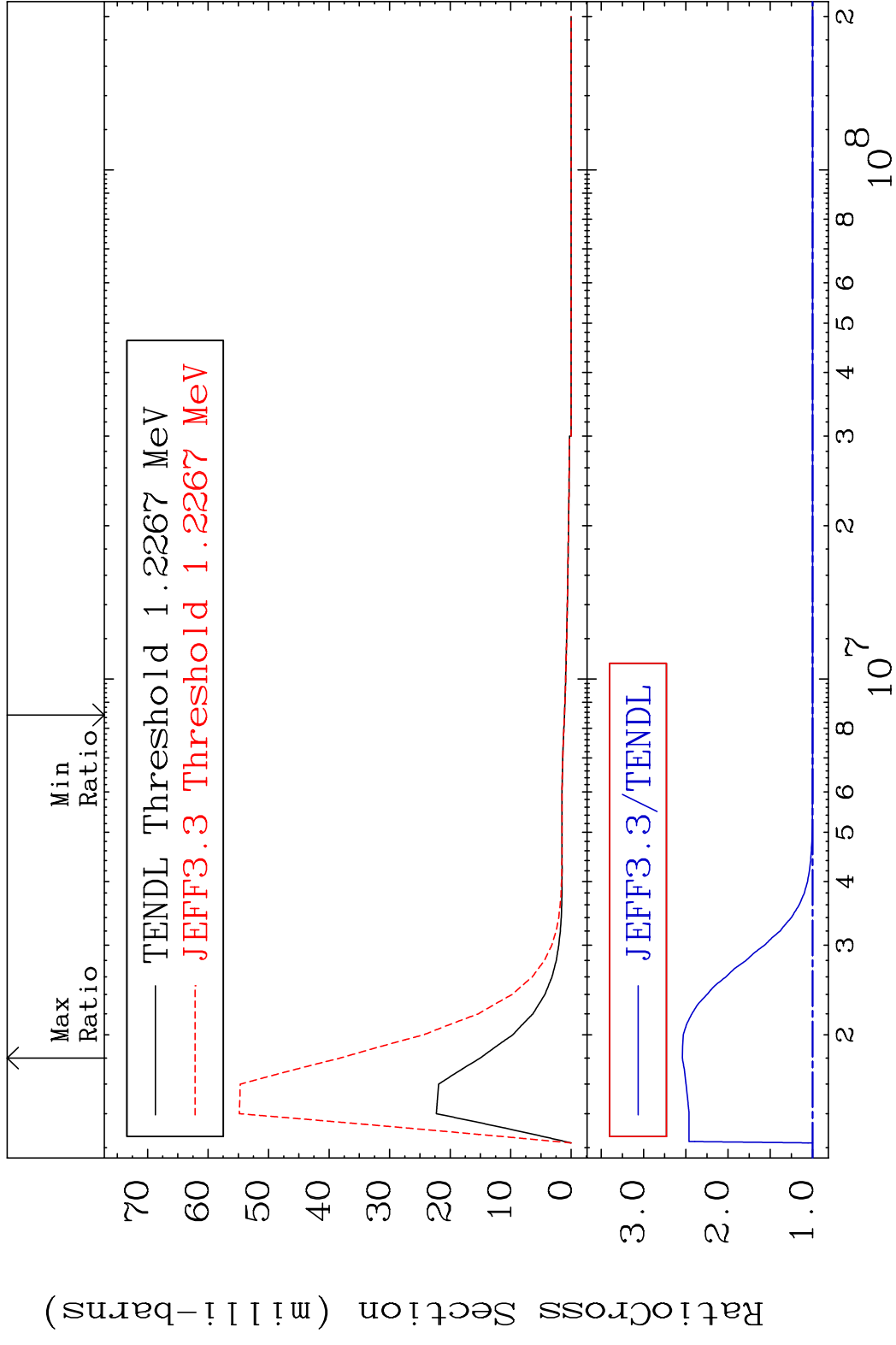
MAT 7525 MT= 73 (n, n') Level 75-Re-185
 Cross Section 0.000 To 154.9 %



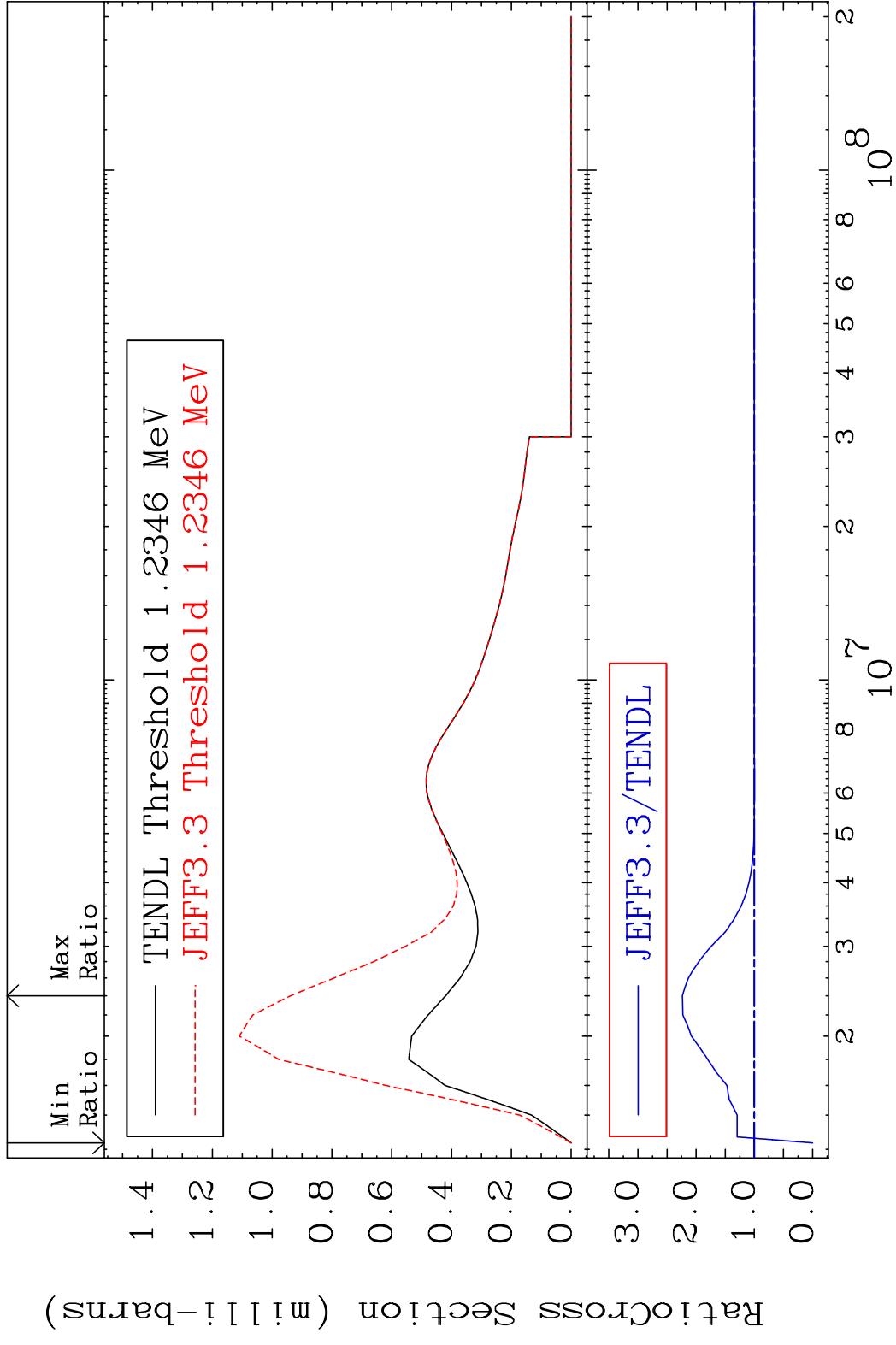
MAT 7525 MT= 74 (n, n') Level 75-Re-185
 Cross Section -100.0 To 140.6 %



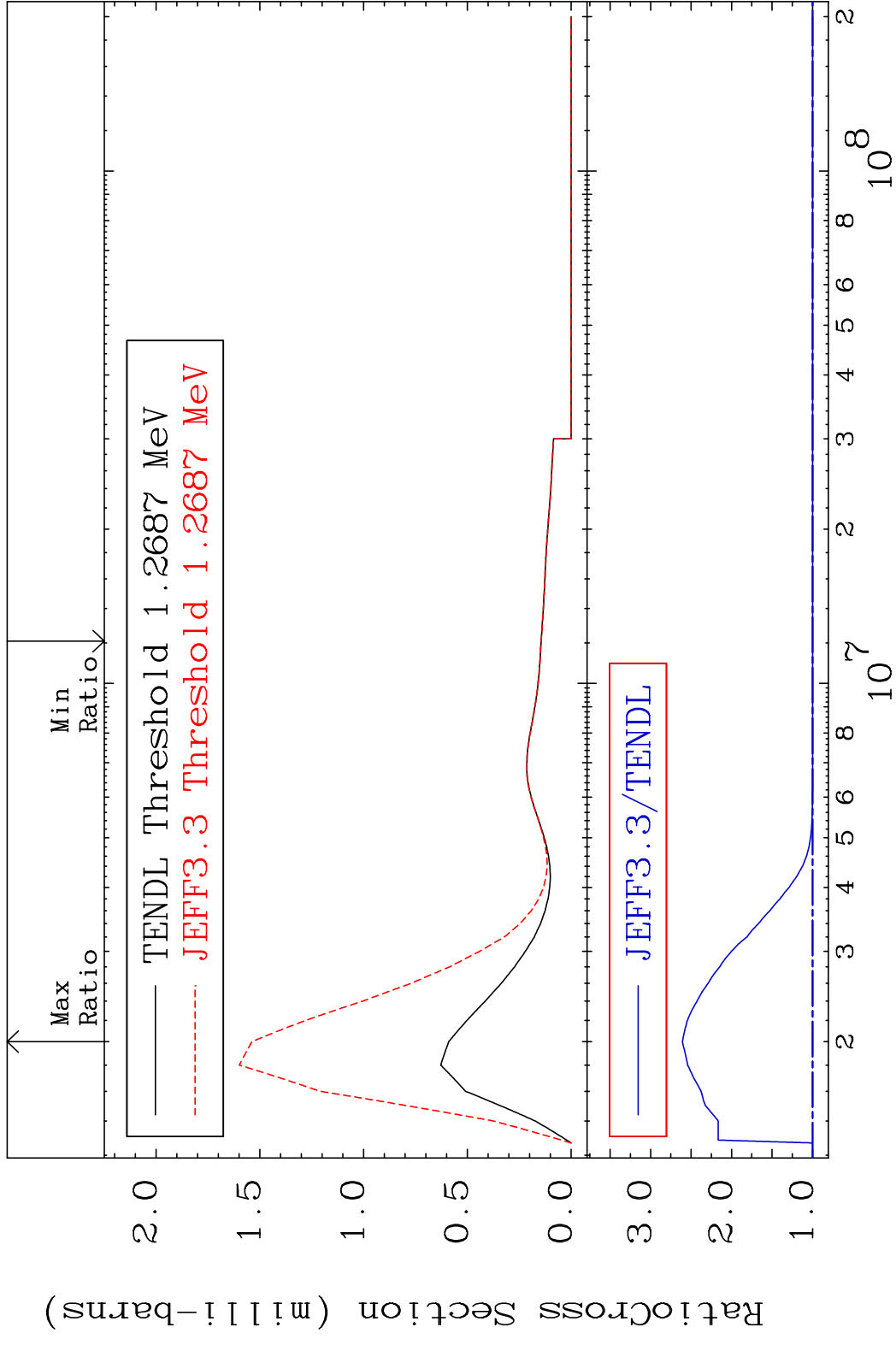
MAT 7525 MT= 75 (n, n') Level 75-Re-185
 Cross Section 0.000 To 154.1 %



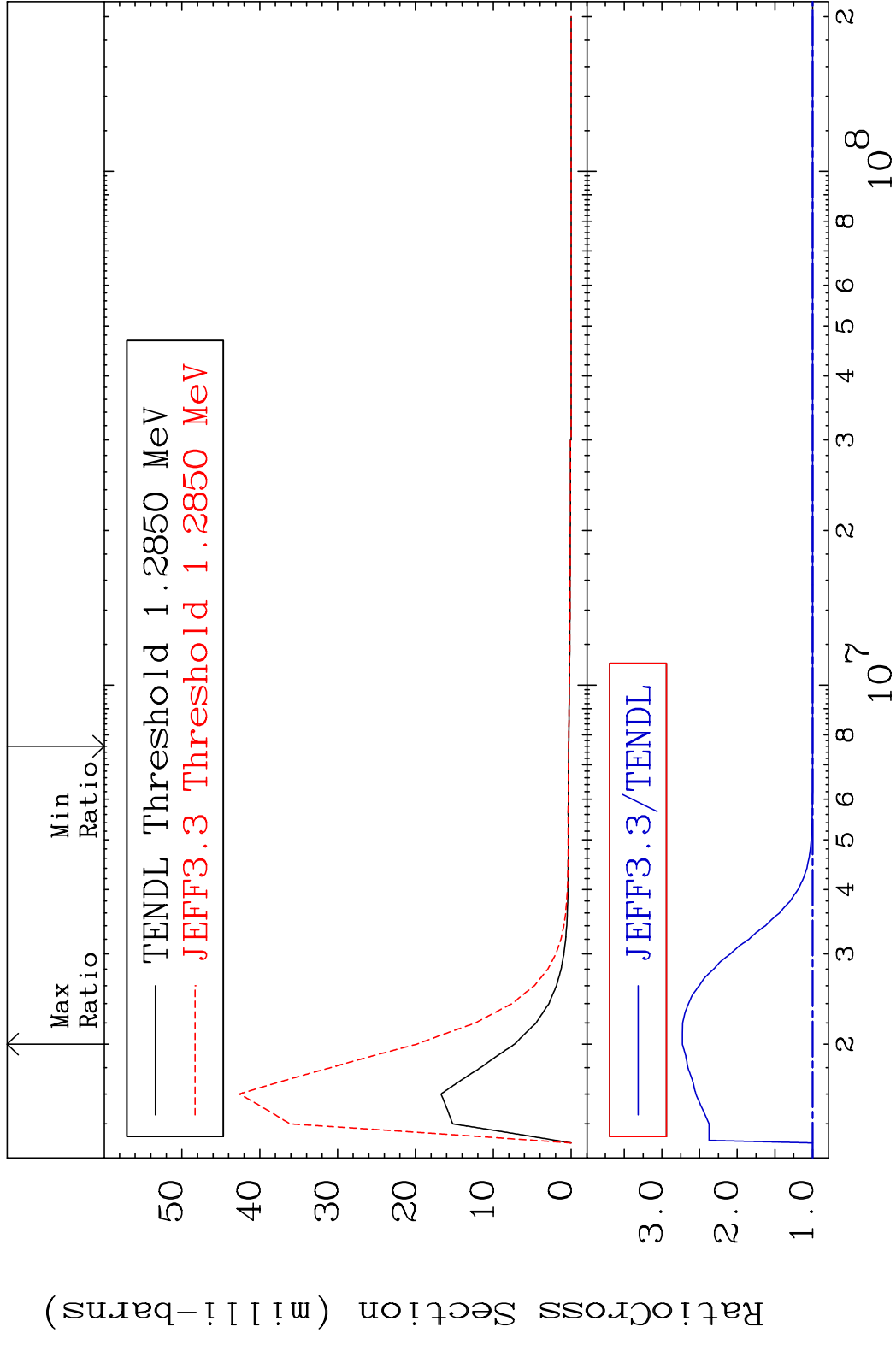
MAT 7525 MT= 76 (n,n') Level 75-Re-185
 Cross Section -100.0 To 123.6 %



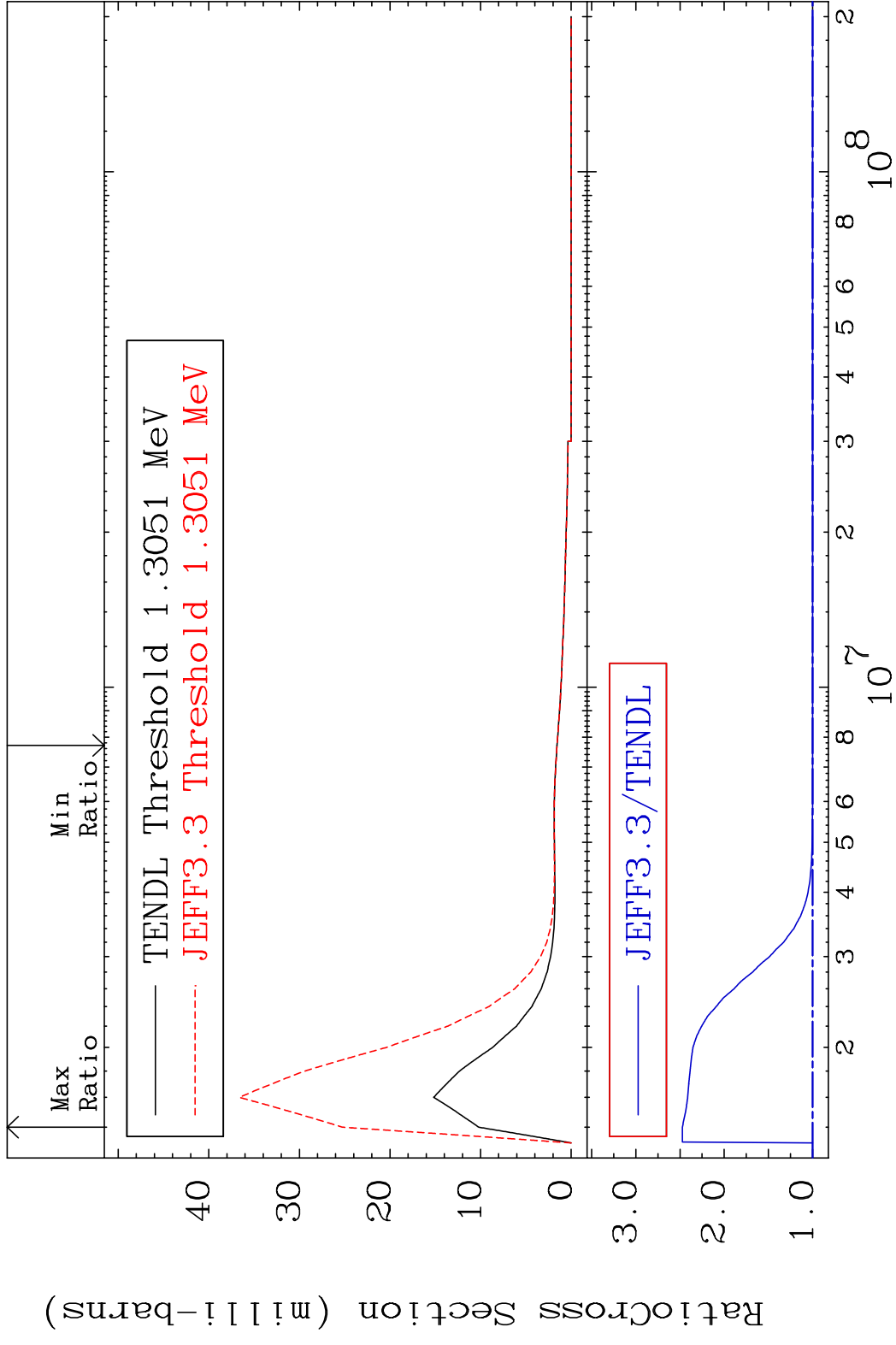
MAT 7525 MT= 77 (n,n') Level 75-Re-185
 Cross Section 0.000 To 160.8 %



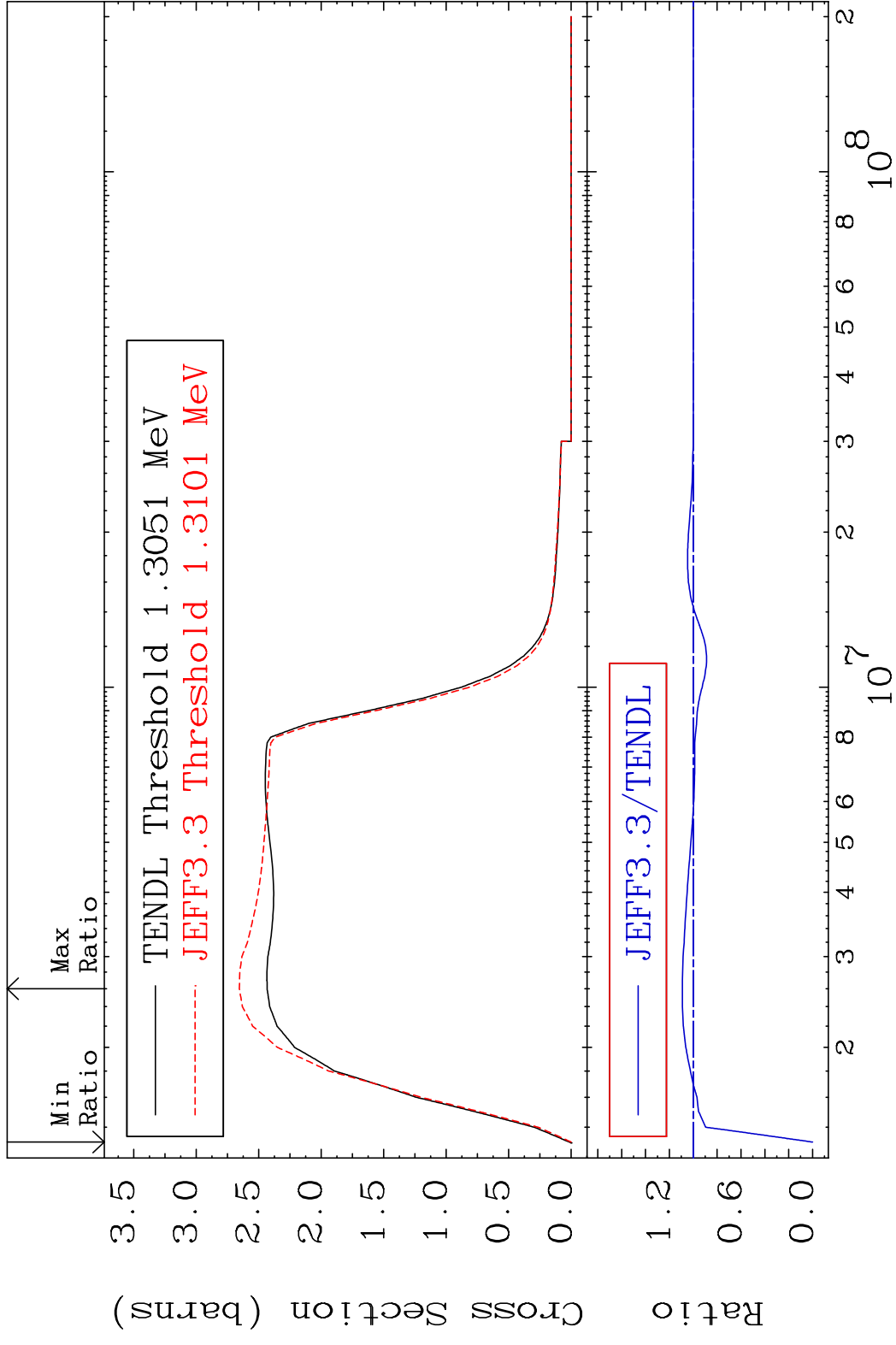
MAT 7525 MT= 78 (n, n') Level 75-Re-185
 Cross Section 0.000 To 172.9 %



MAT 7525 MT= 79 (n,n') Level 75-Re-185
 Cross Section 0.000 To 147.4 %



MAT 7525 (n, n') Continuum 75-Re-185
 Cross Section -100.0 To 9.135 %

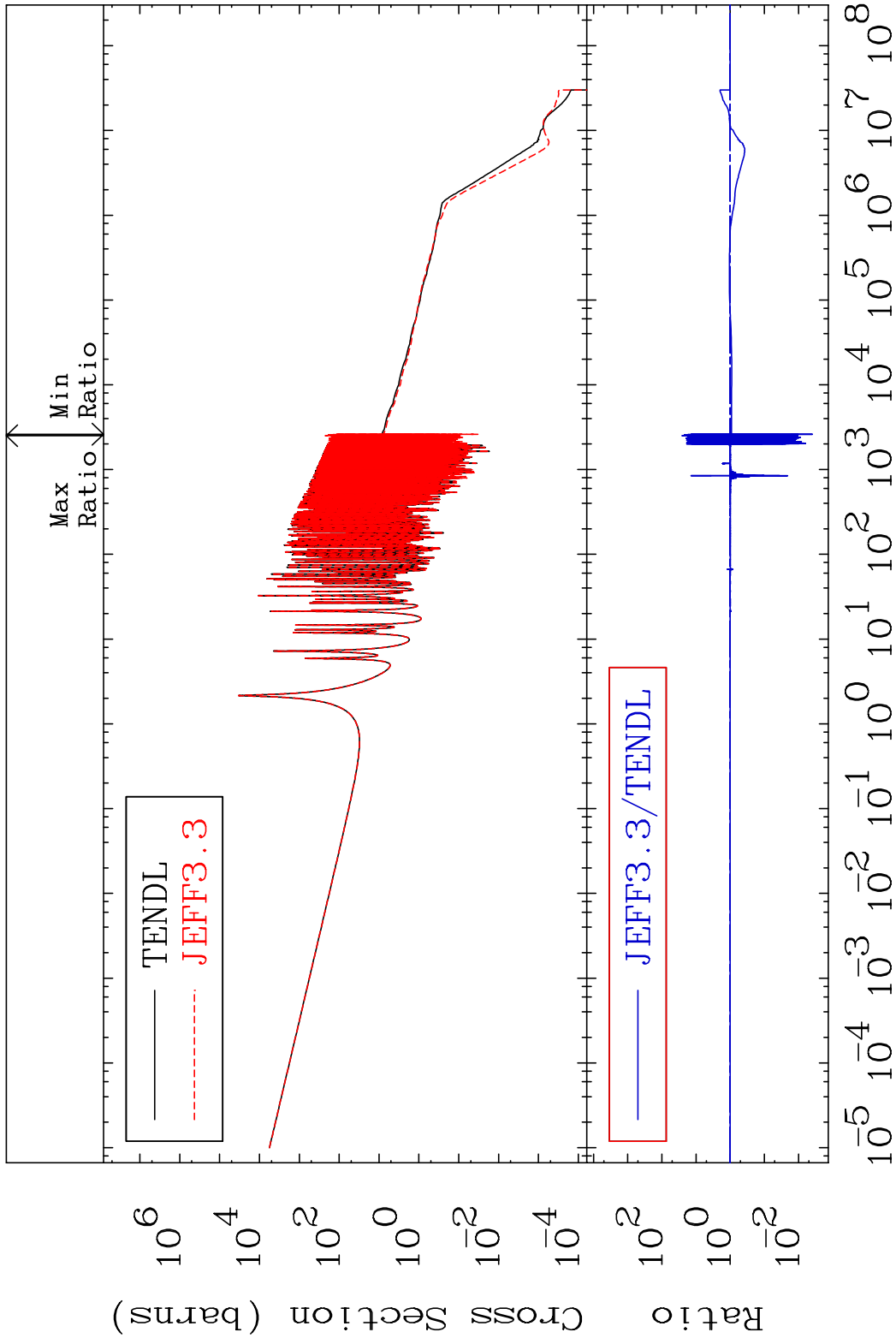


MAT 7525

(n, γ)

75-Re-185

Cross Section -99.61 To 2445. %



51

Incident Energy (eV)

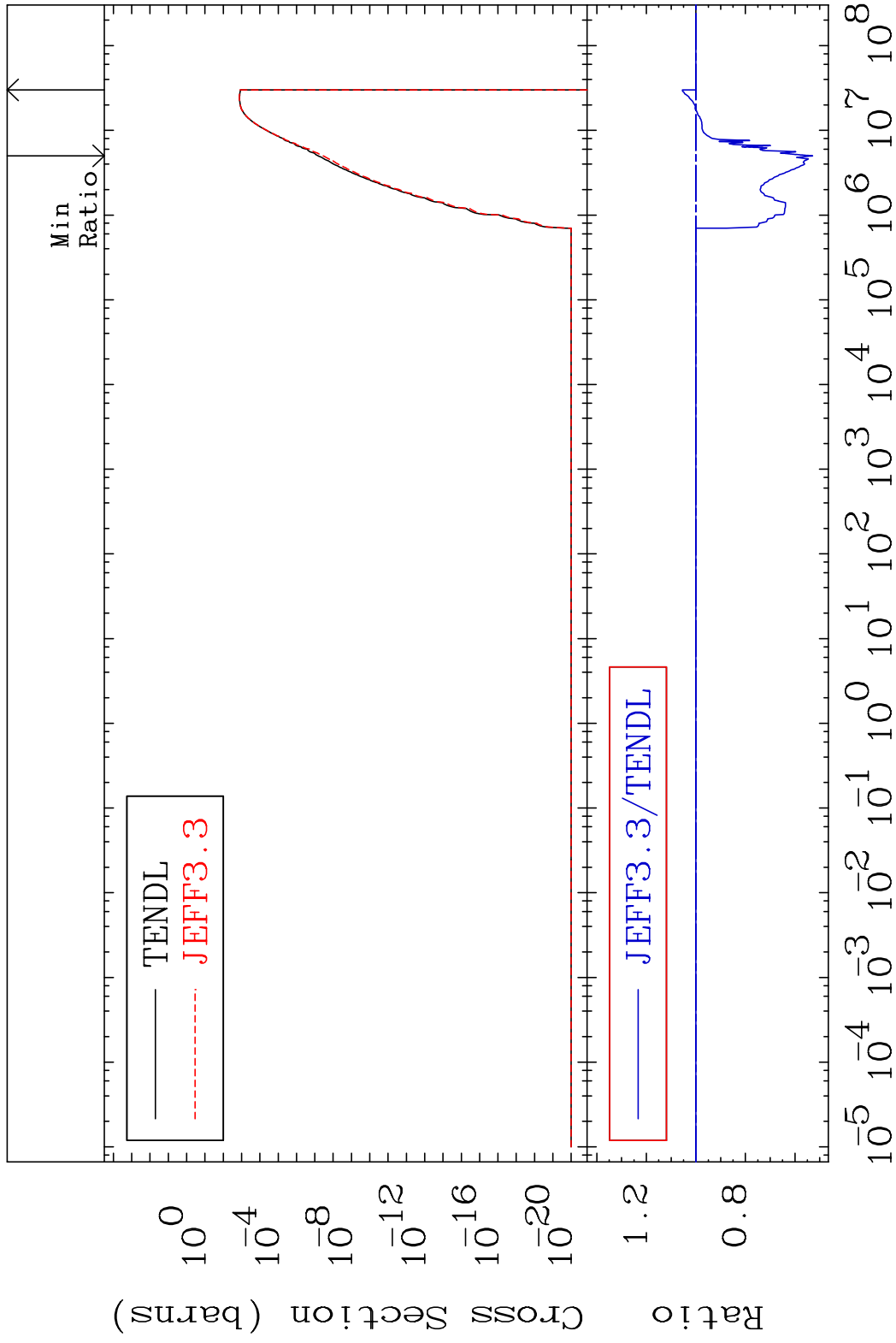
75-Re-185

MAT 7525

(n, p)

75-Re-185

Cross Section -47.10 To 5.470 %

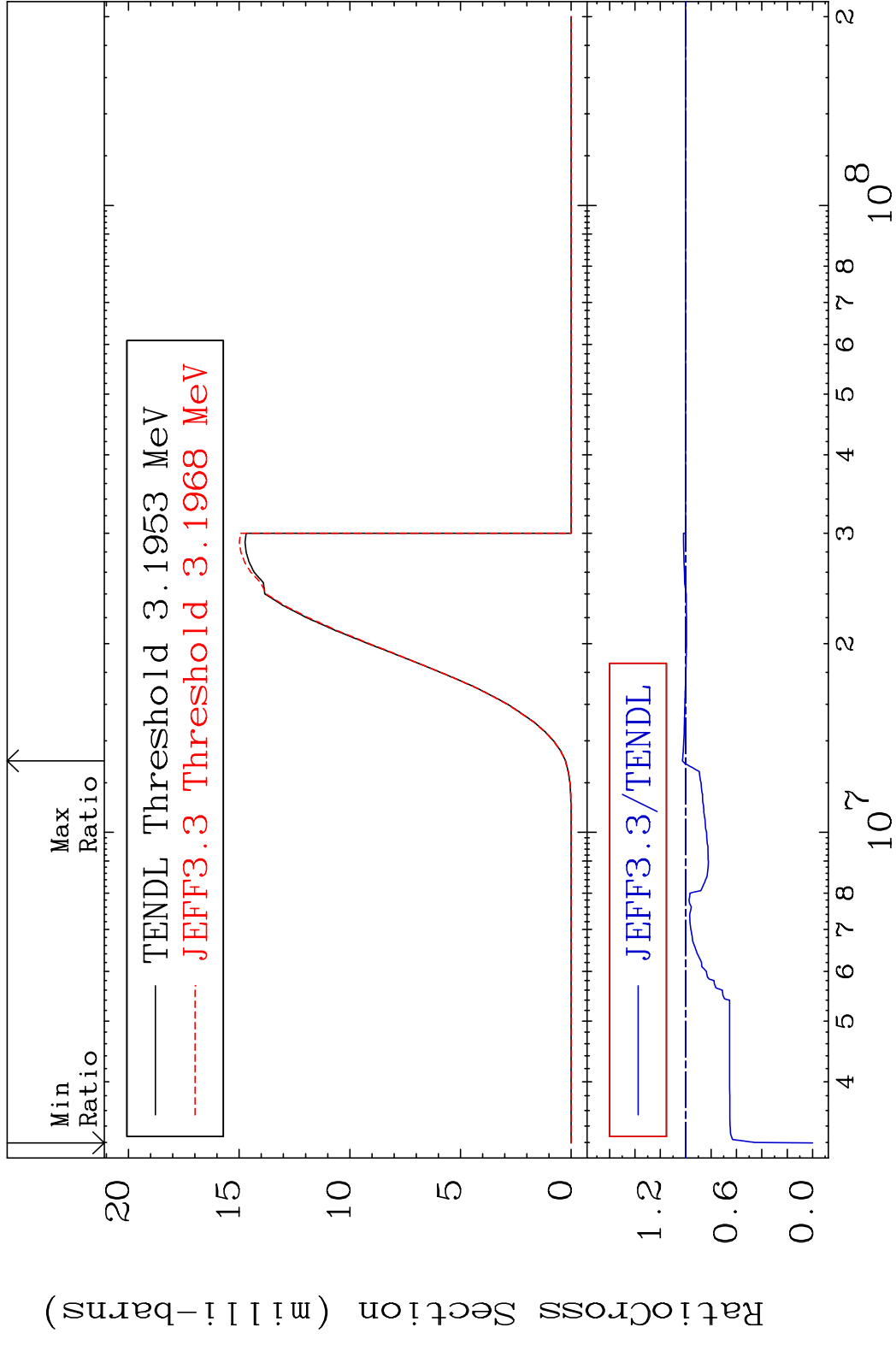


52

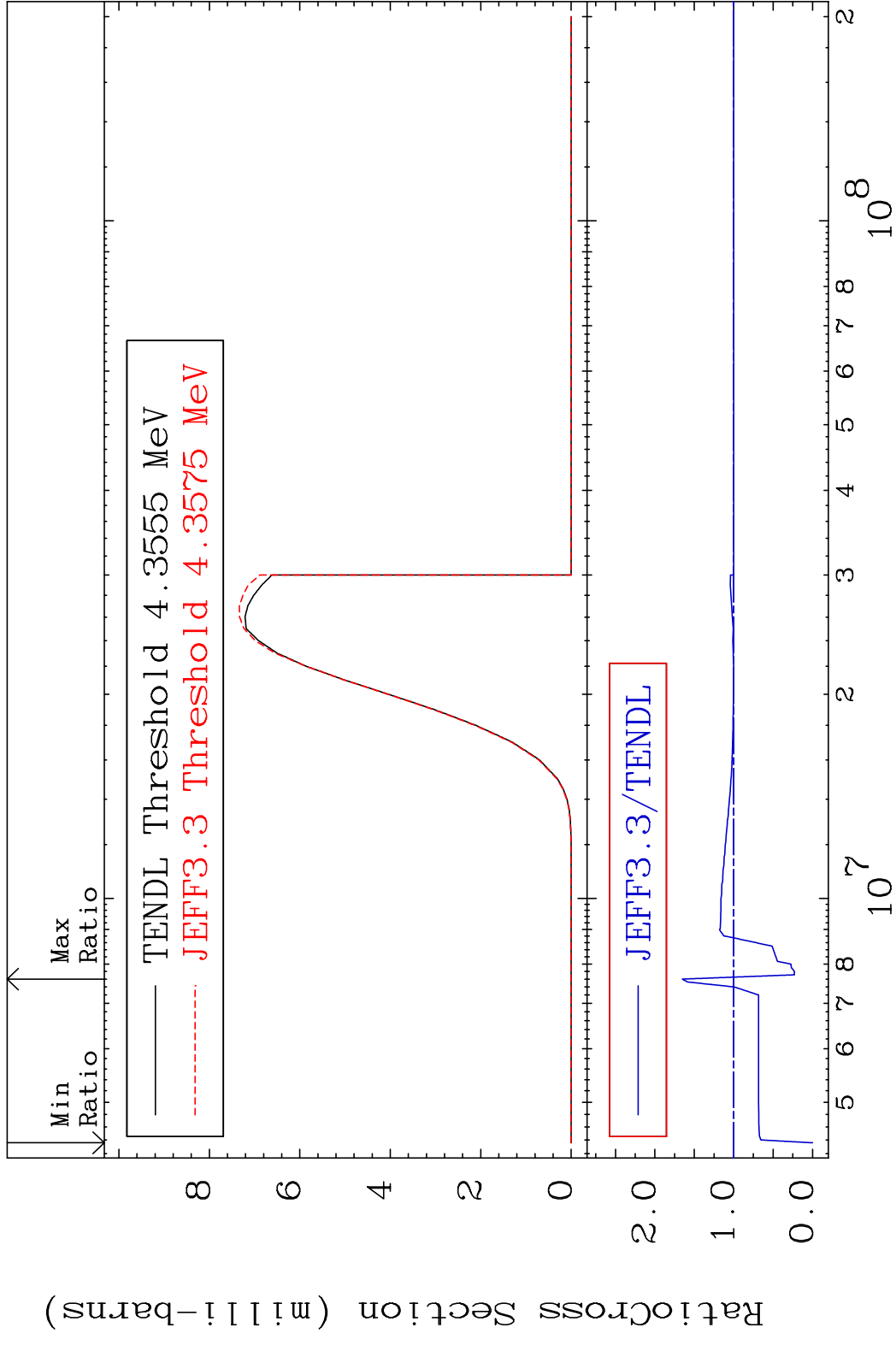
Incident Energy (eV)

75-Re-185

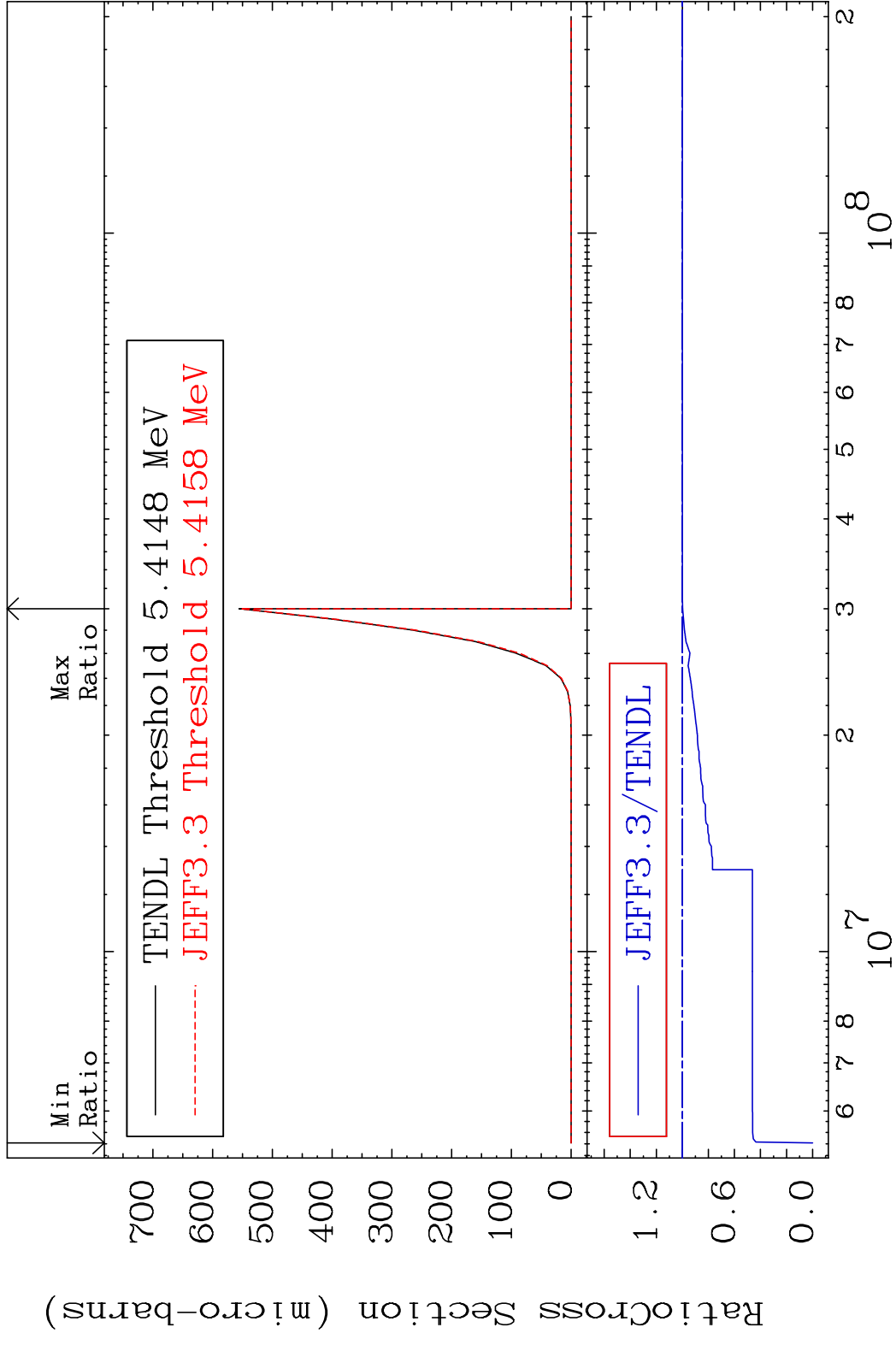
MAT 7525 (n,d) 75-Re-185
 Cross Section -100.0 To 2.634 %



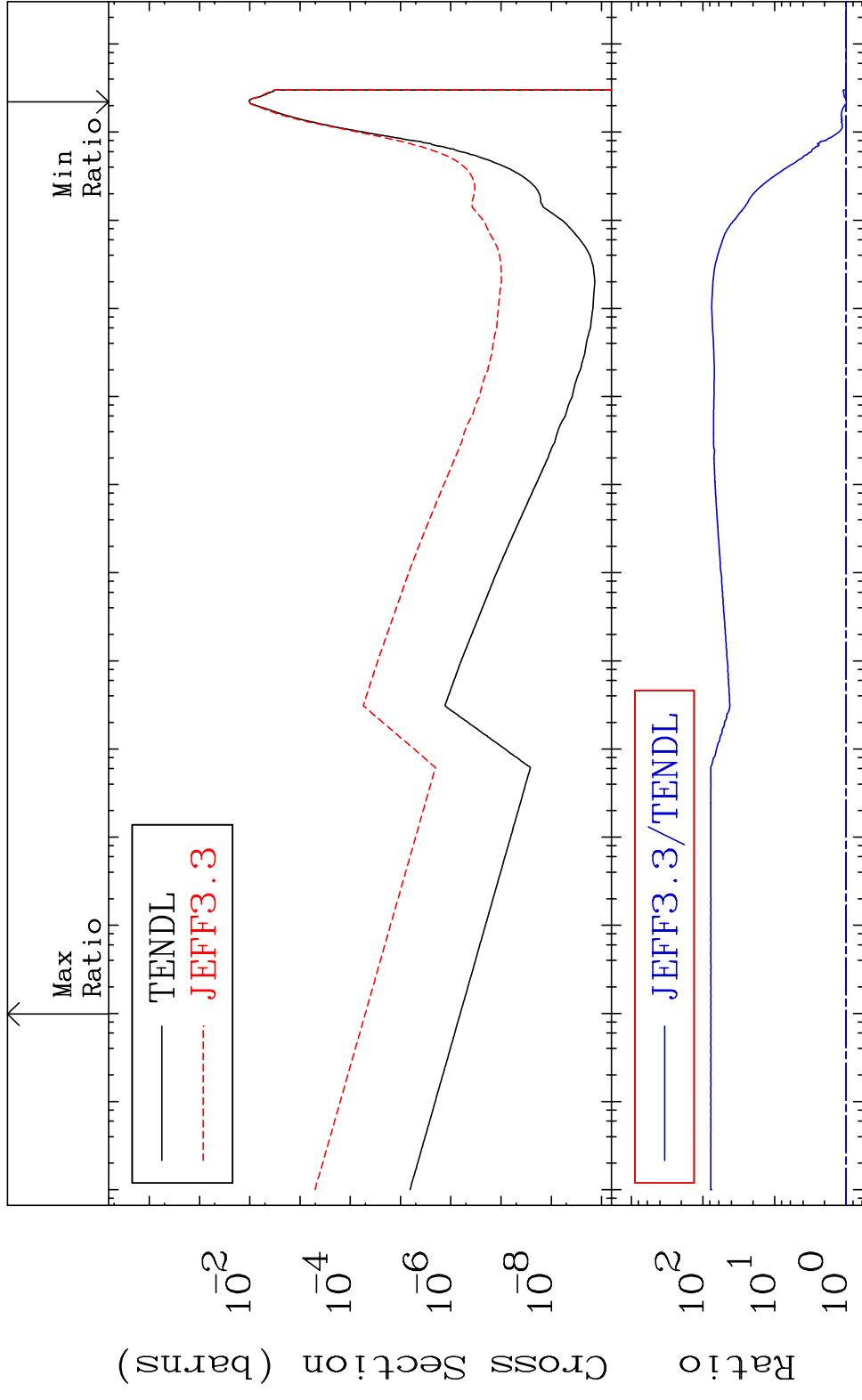
MAT 7525 (n, t) 75-Re-185
 Cross Section -100.0 To 65.15 %



MAT 7525 (n, He-3) 75-Re-185
 Cross Section -100.0 To 0.000 %



MAT 7525 (n, α) Cross Section -0.604 To 7694. % 75-Re-185



56 Incident Energy (eV) 75-Re-185

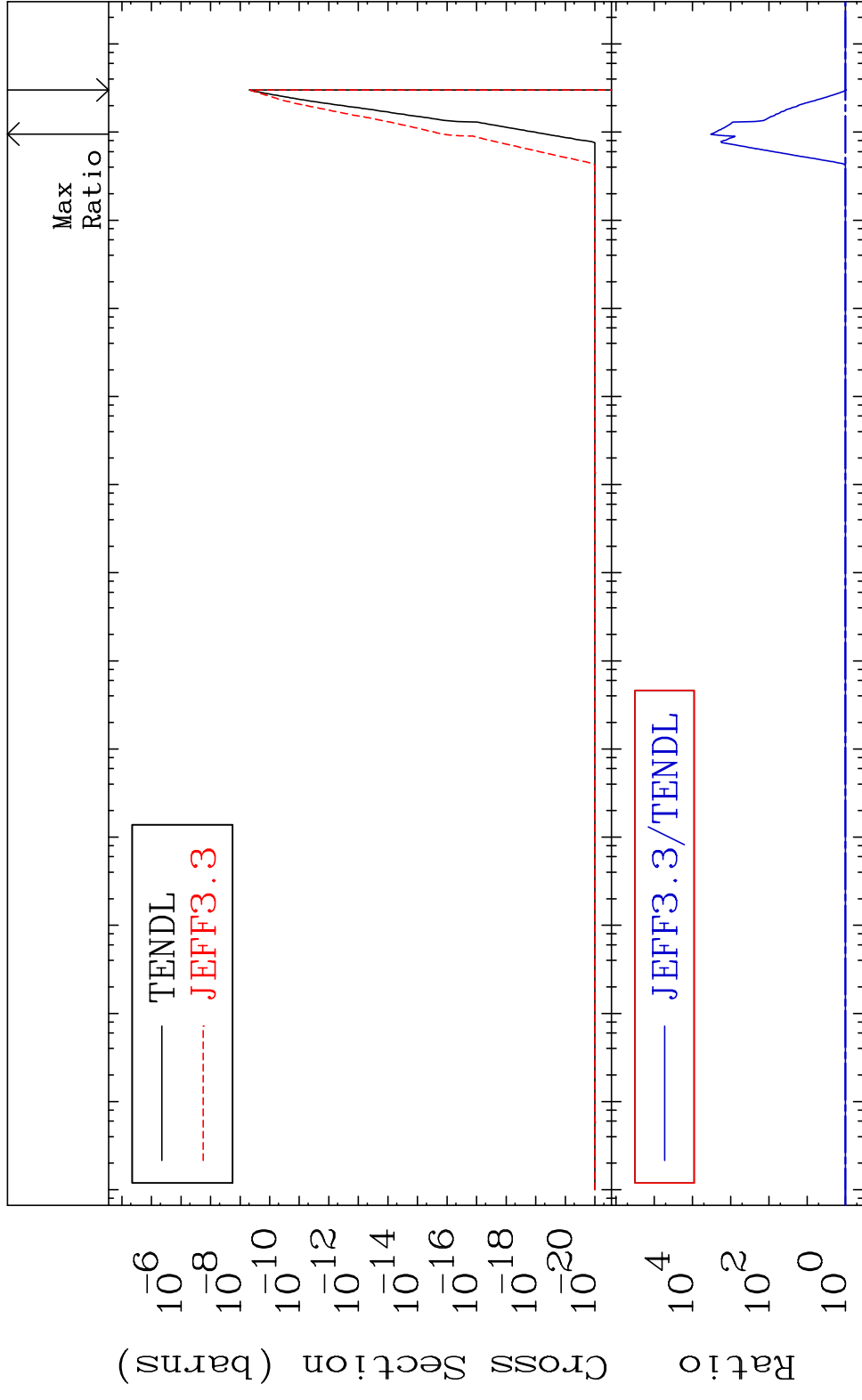
MAT 7525

(n, 2α)

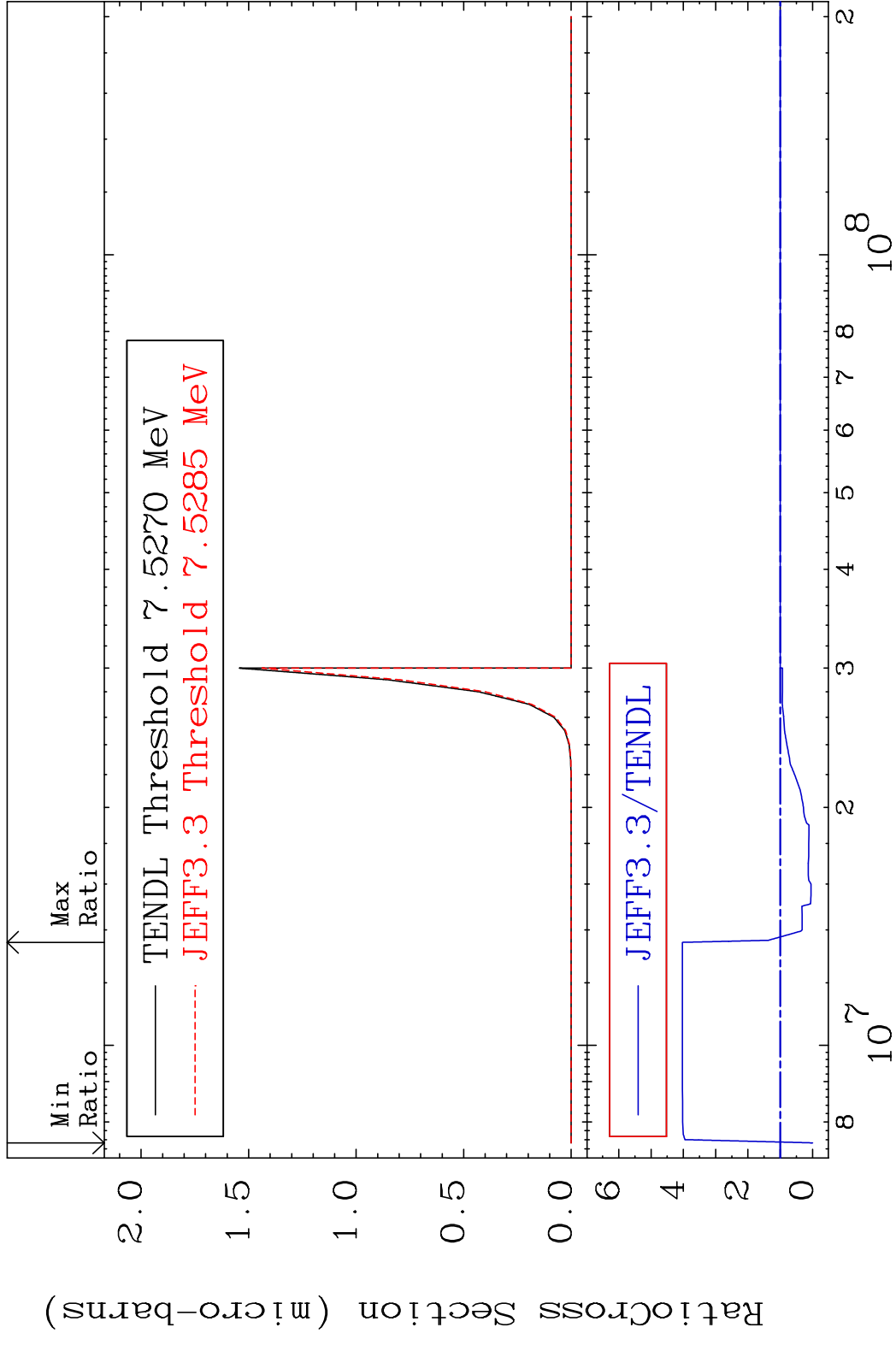
75-Re-185

Cross Section

-5.666 To 9999. %



MAT 7525 (n,2p) 75-Re-185
 Cross Section -100.0 To 303.1 %

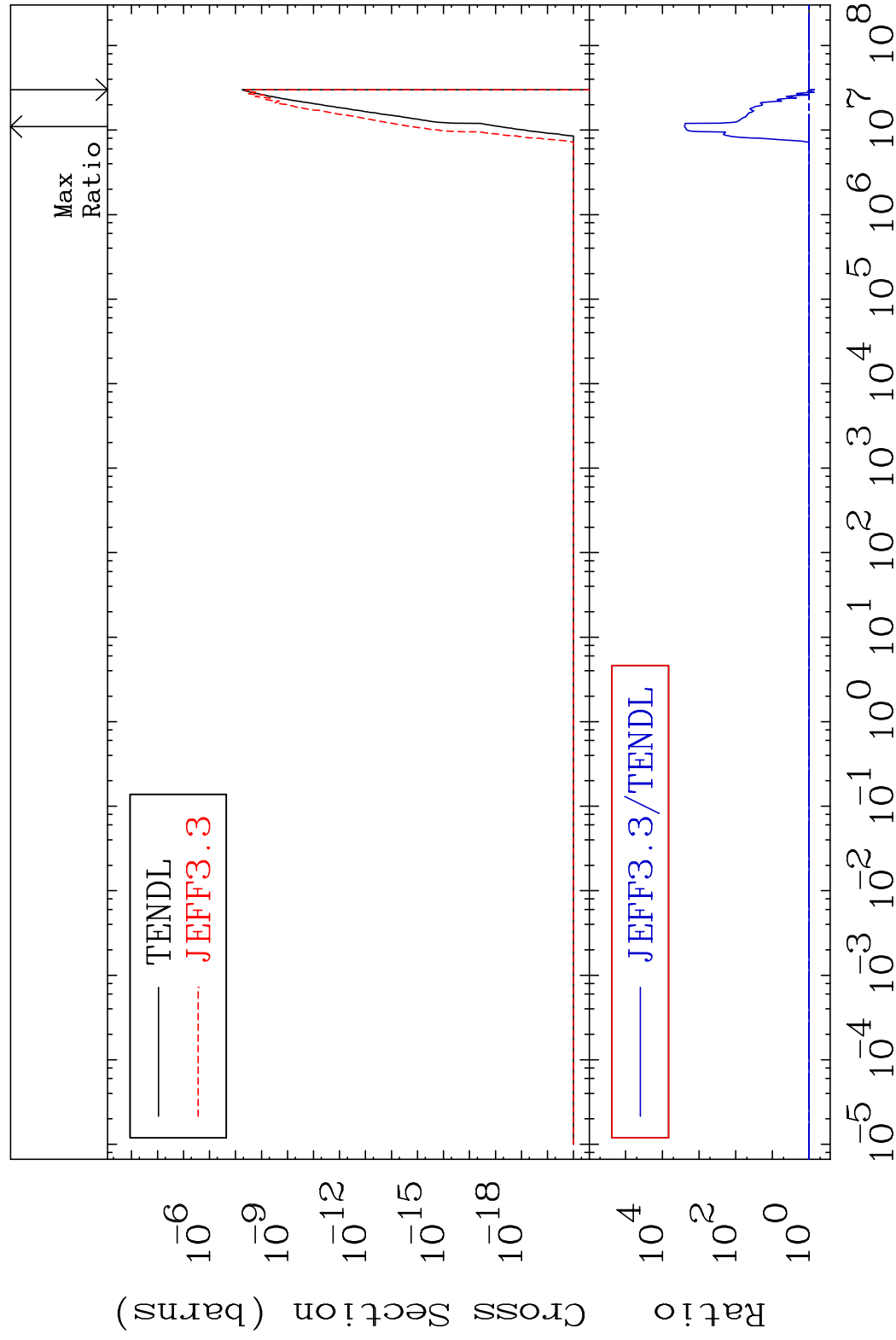


MAT 7525

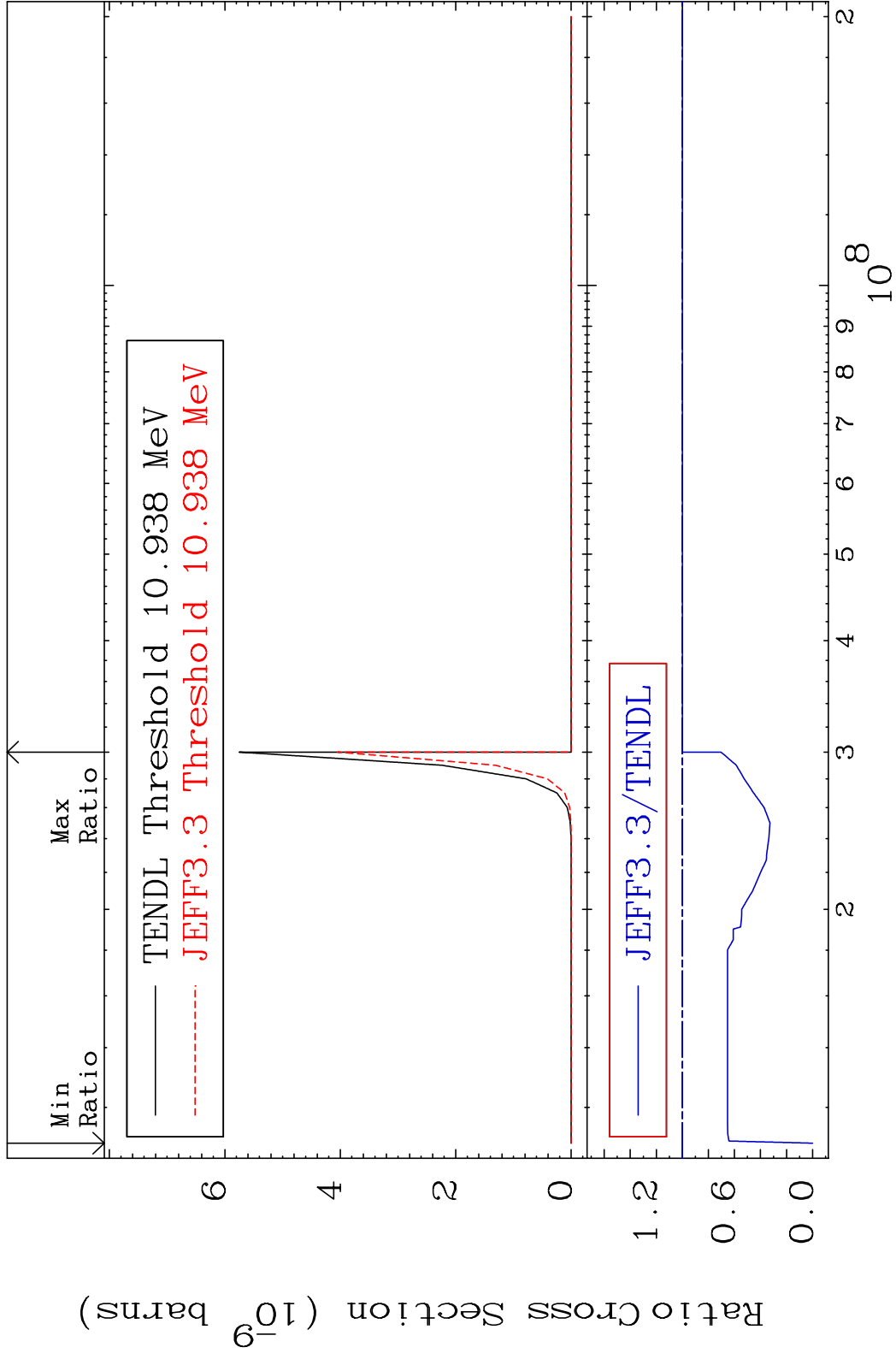
(n,p) α

75-Re-185

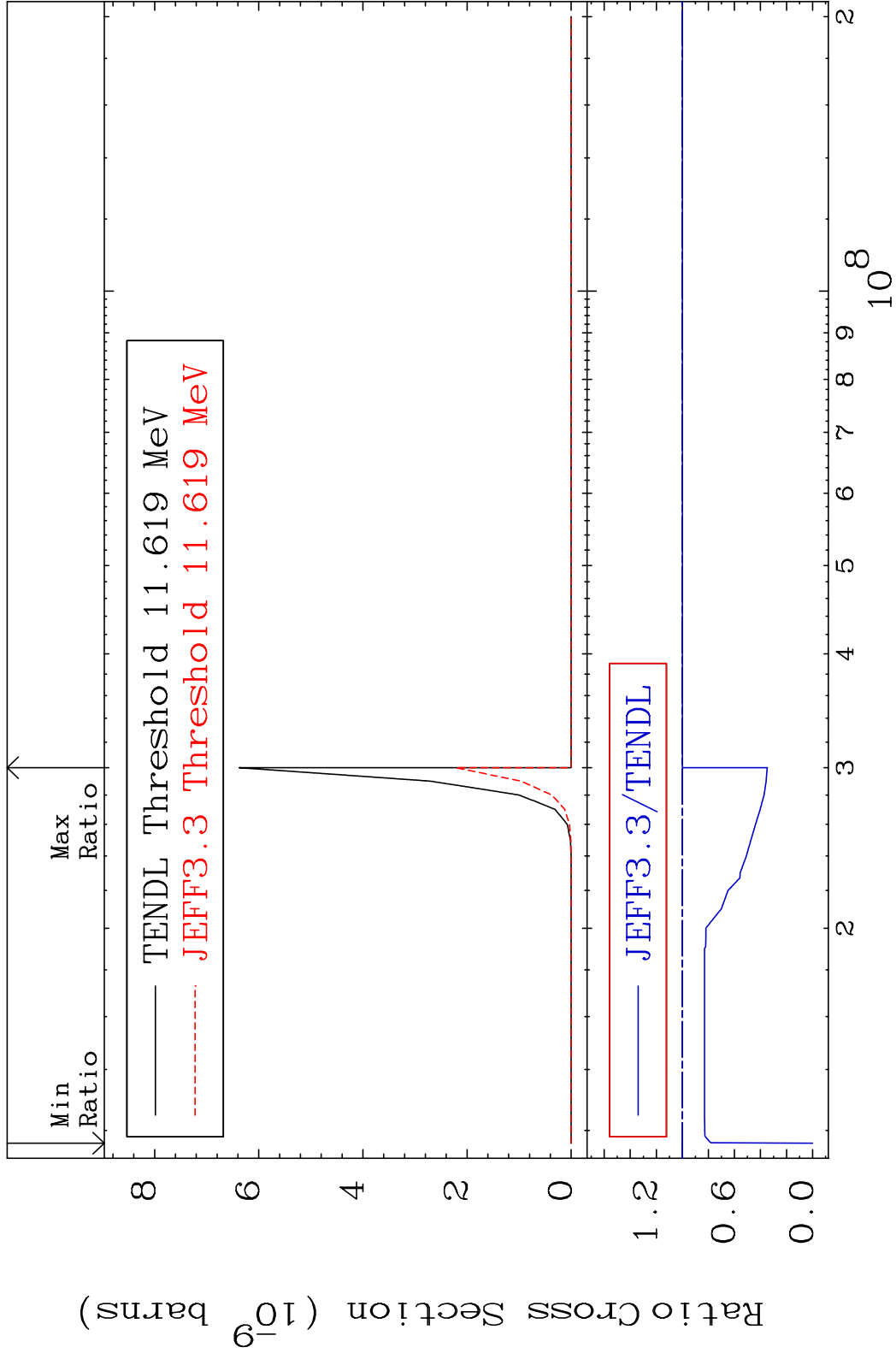
Cross Section -28.33 To 9999. %



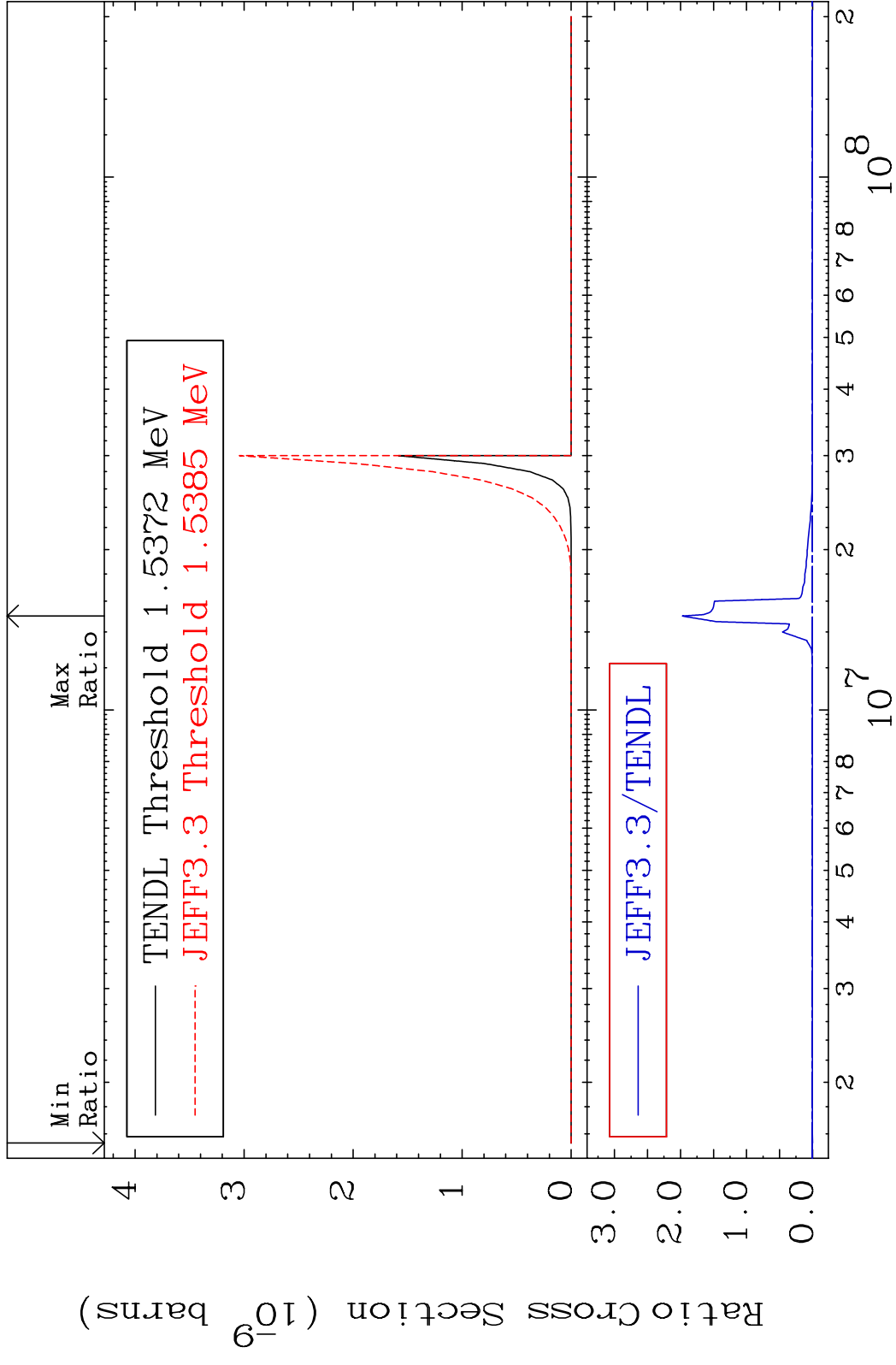
MAT 7525 (n,p) d 75-Re-185
 Cross Section -100.0 To 0.000 %



MAT 7525 (n,p) t 75-Re-185
 Cross Section -100.0 To 0.000 %



MAT 7525 (n,d) α 75-Re-185
 Cross Section -100.0 To 9999. %

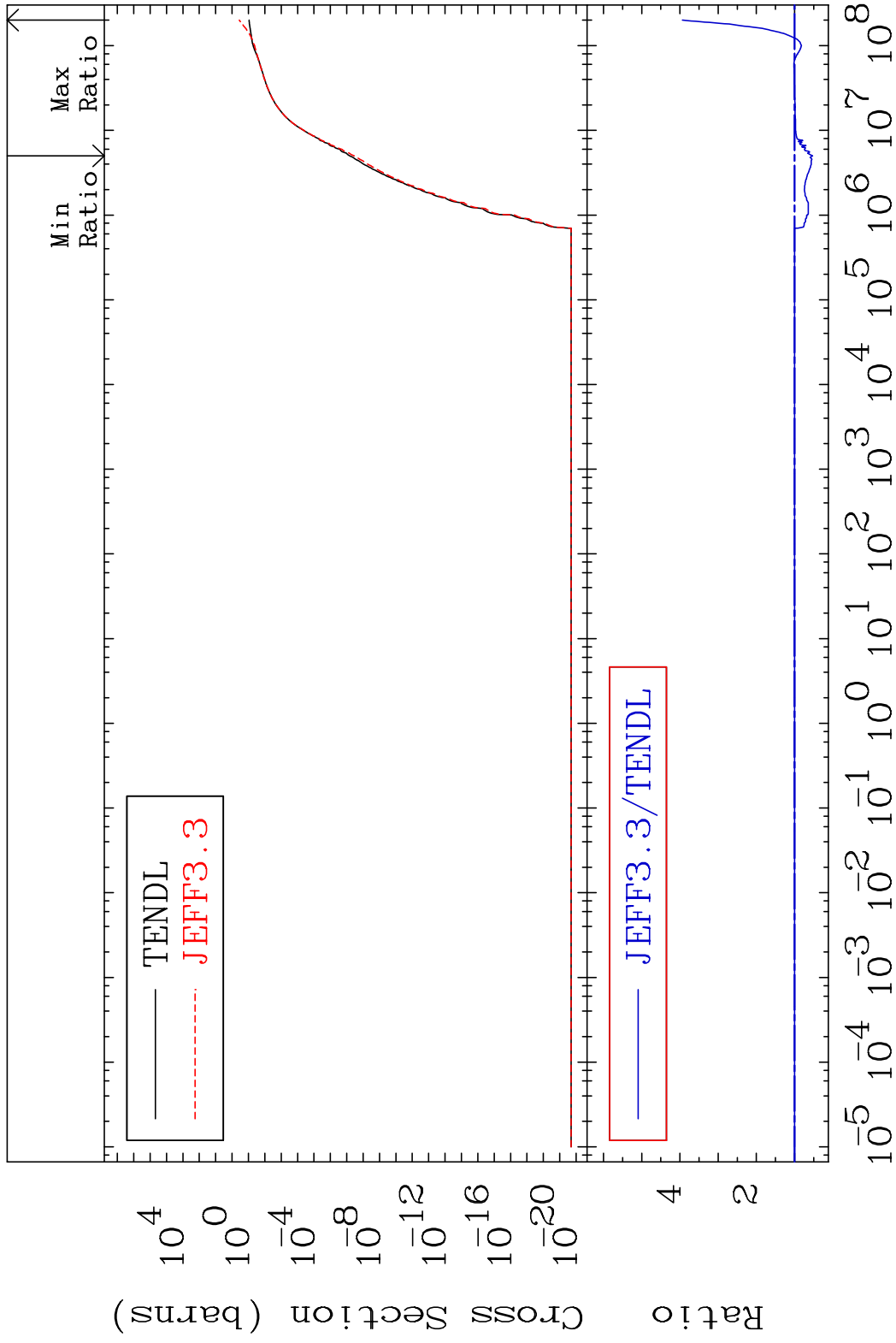


MAT 7525

Hydrogen Production

75-Re-185

Cross Section -47.10 To 293.6 %



63

Incident Energy (eV)

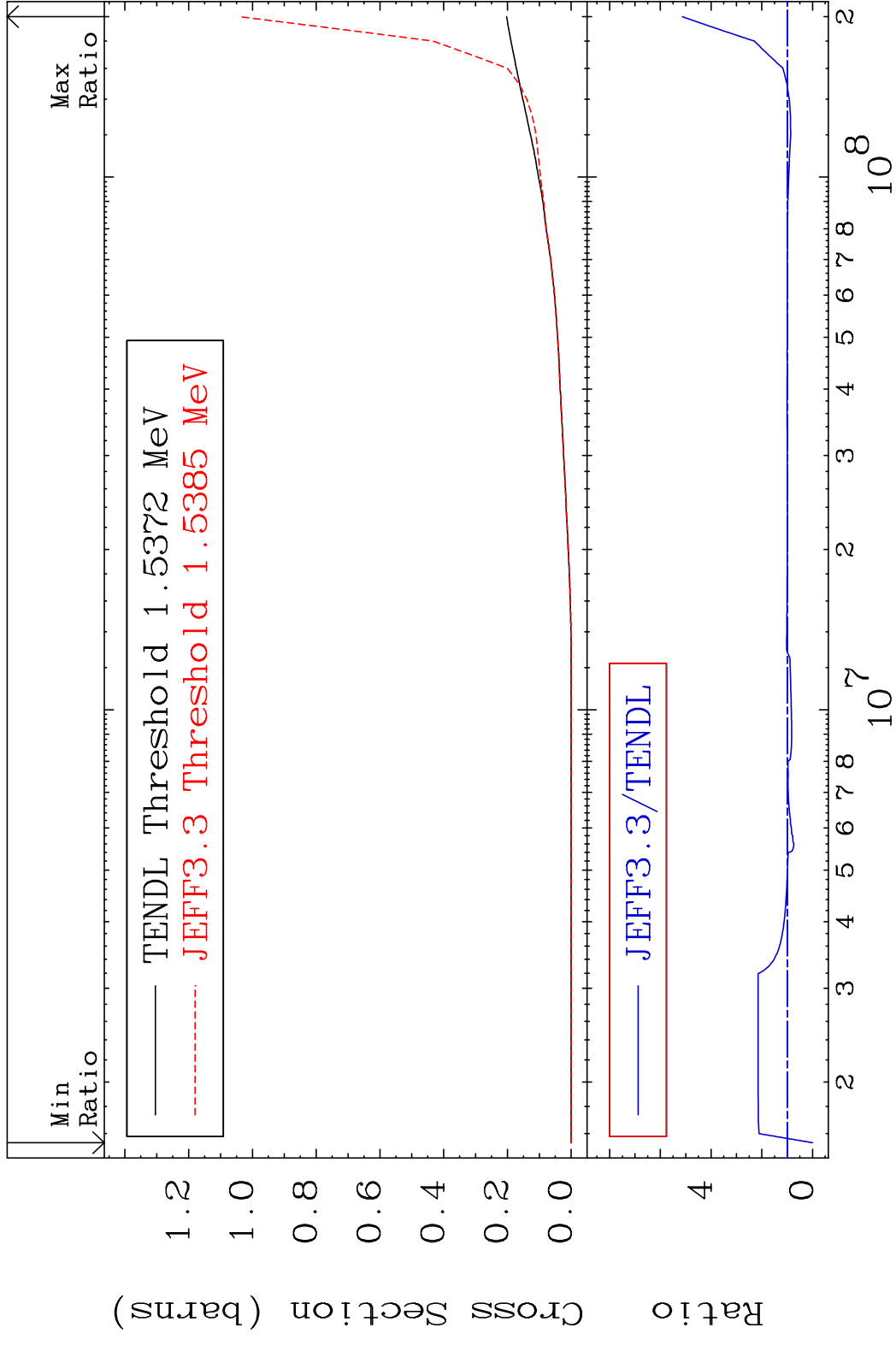
75-Re-185

MAT 7525

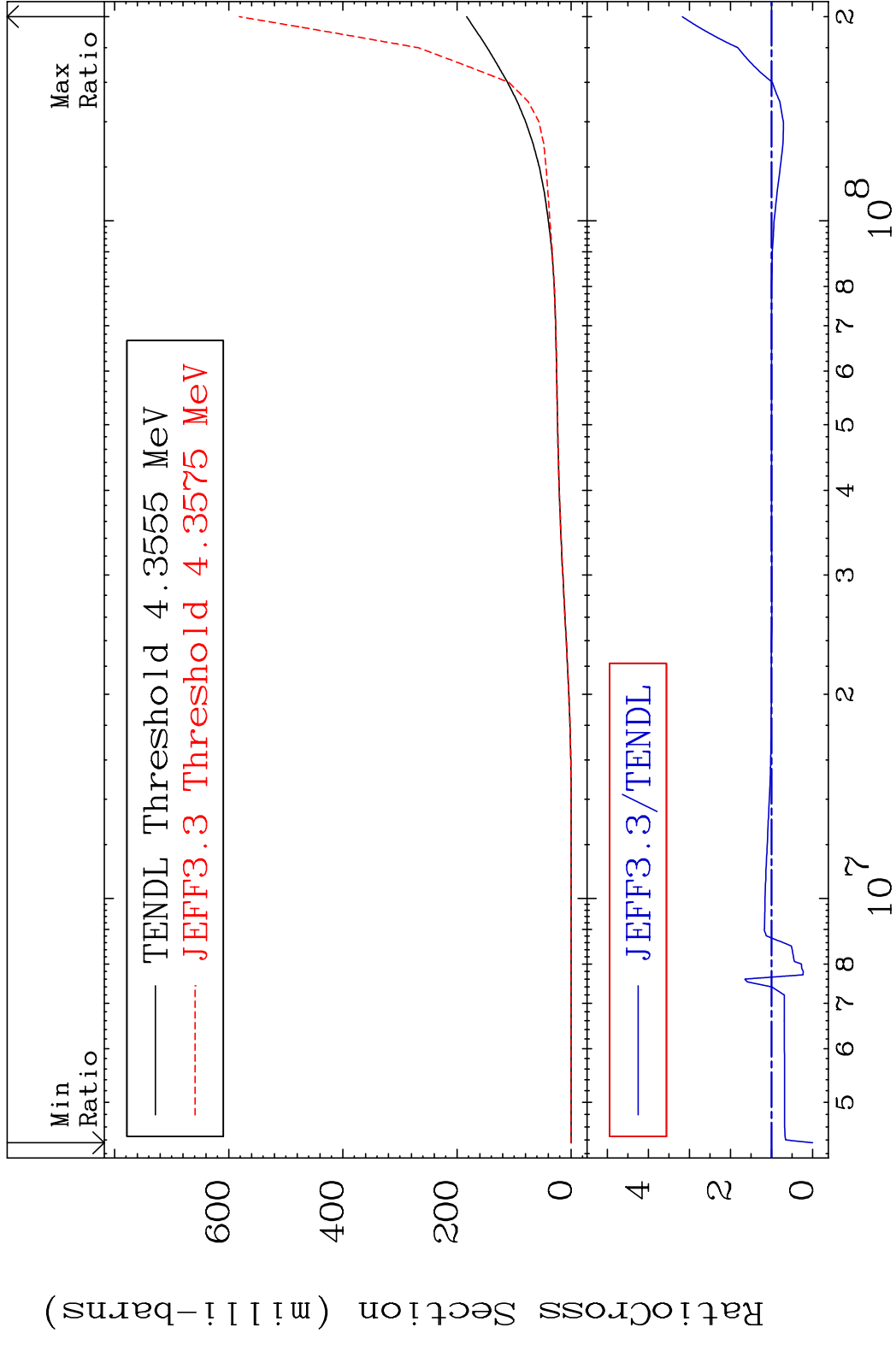
Deuterium Production

75-Re-185

Cross Section -100.0 To 413.3 %



MAT 7525 Tritium Production 75-Re-185
 Cross Section -100.0 To 217.4 %

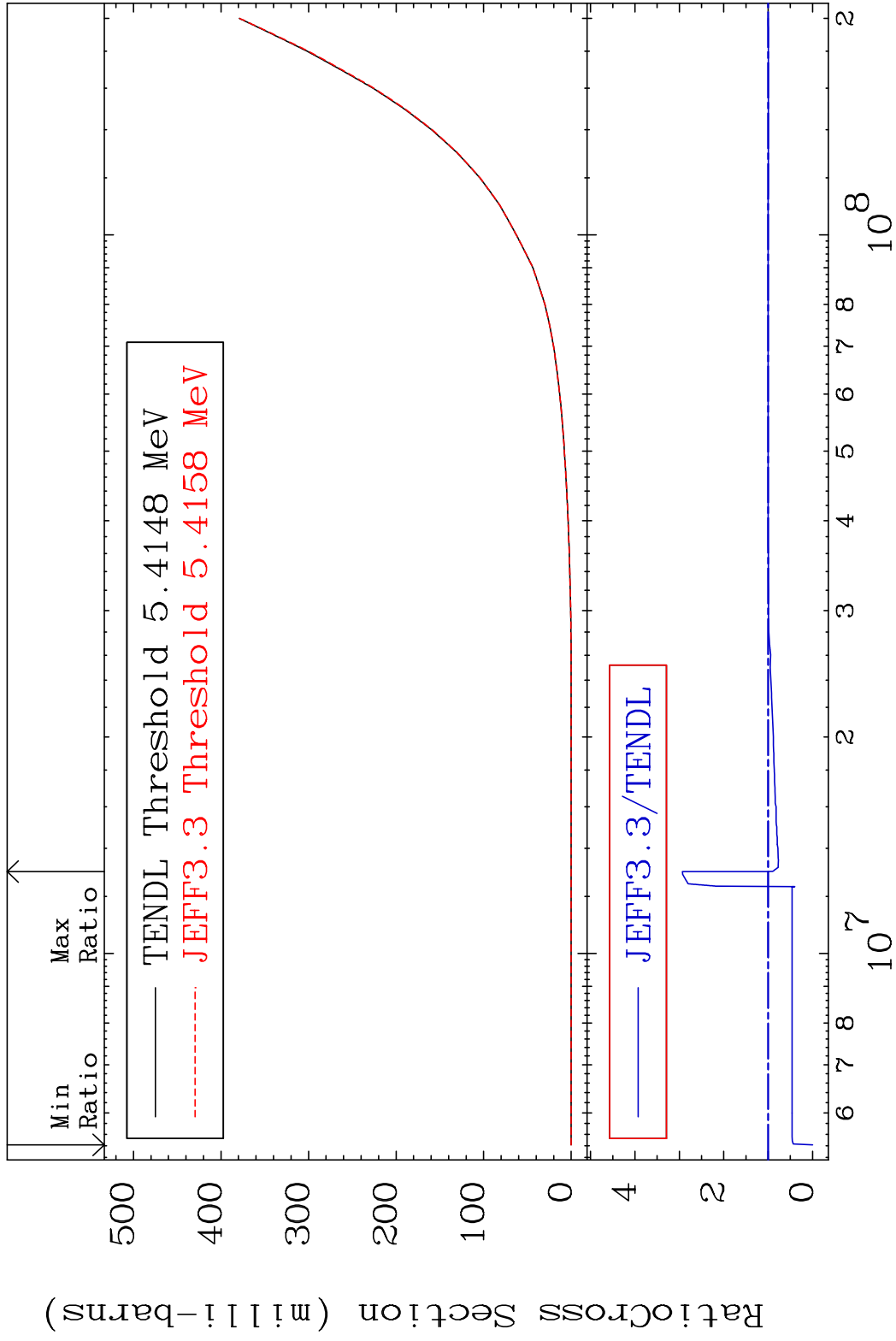


MAT 7525

He-3 Production

75-Re-185

Cross Section -100.0 To 193.3 %

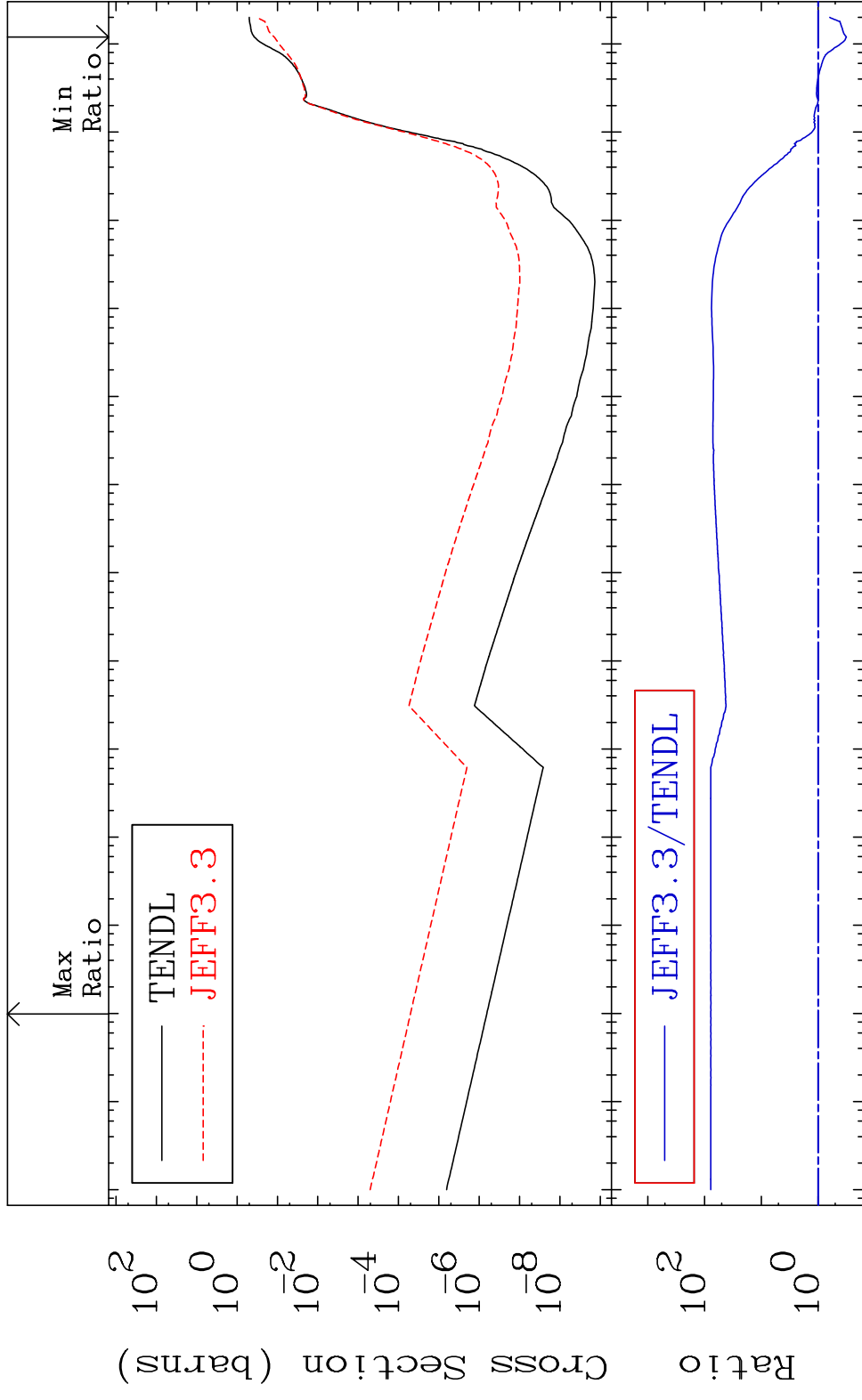


66

Incident Energy (eV)

75-Re-185

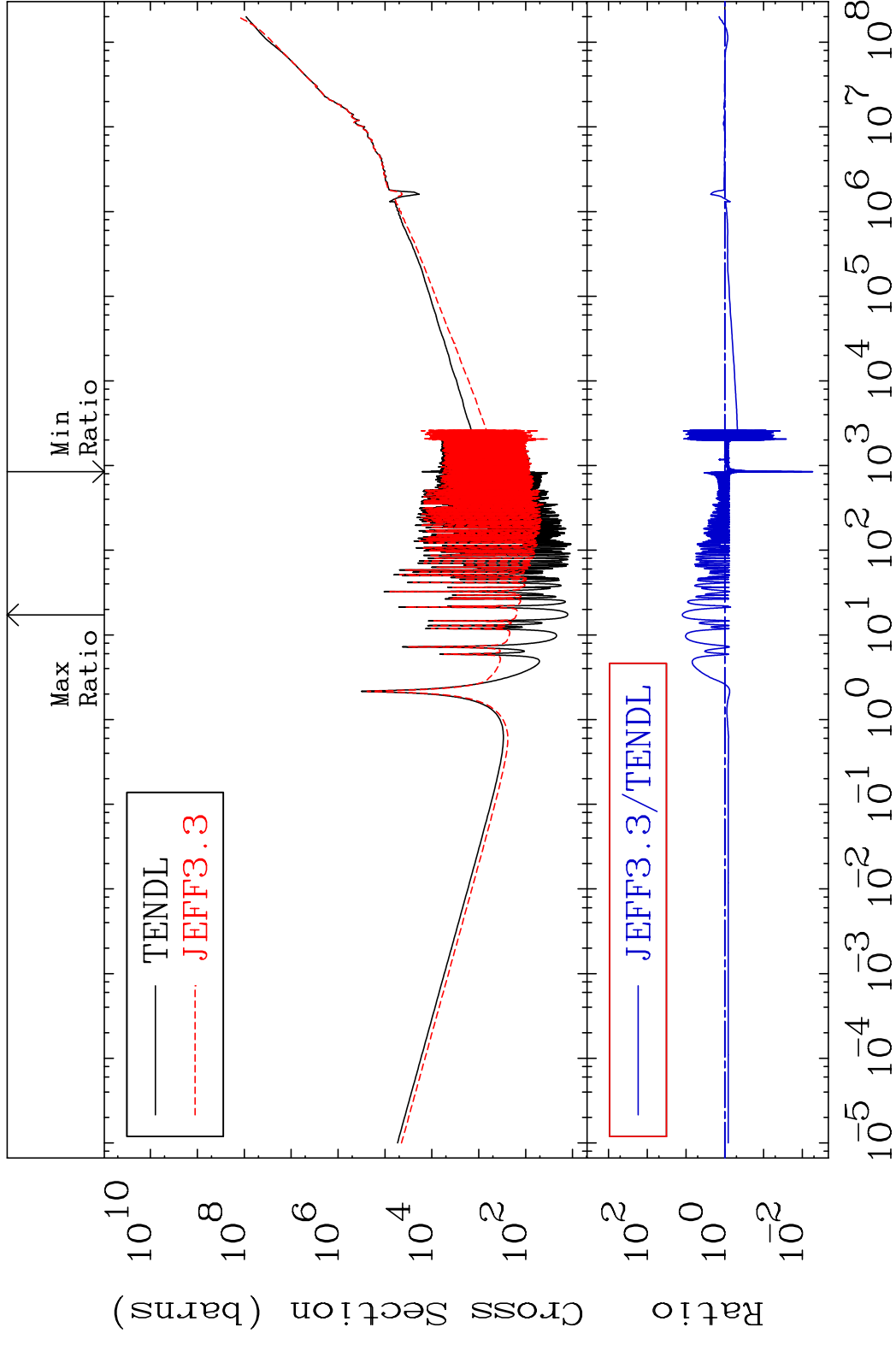
MAT 7525 He-4 Production 75-Re-185
 Cross Section -67.99 To 7694. %



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

67 Incident Energy (eV) 75-Re-185

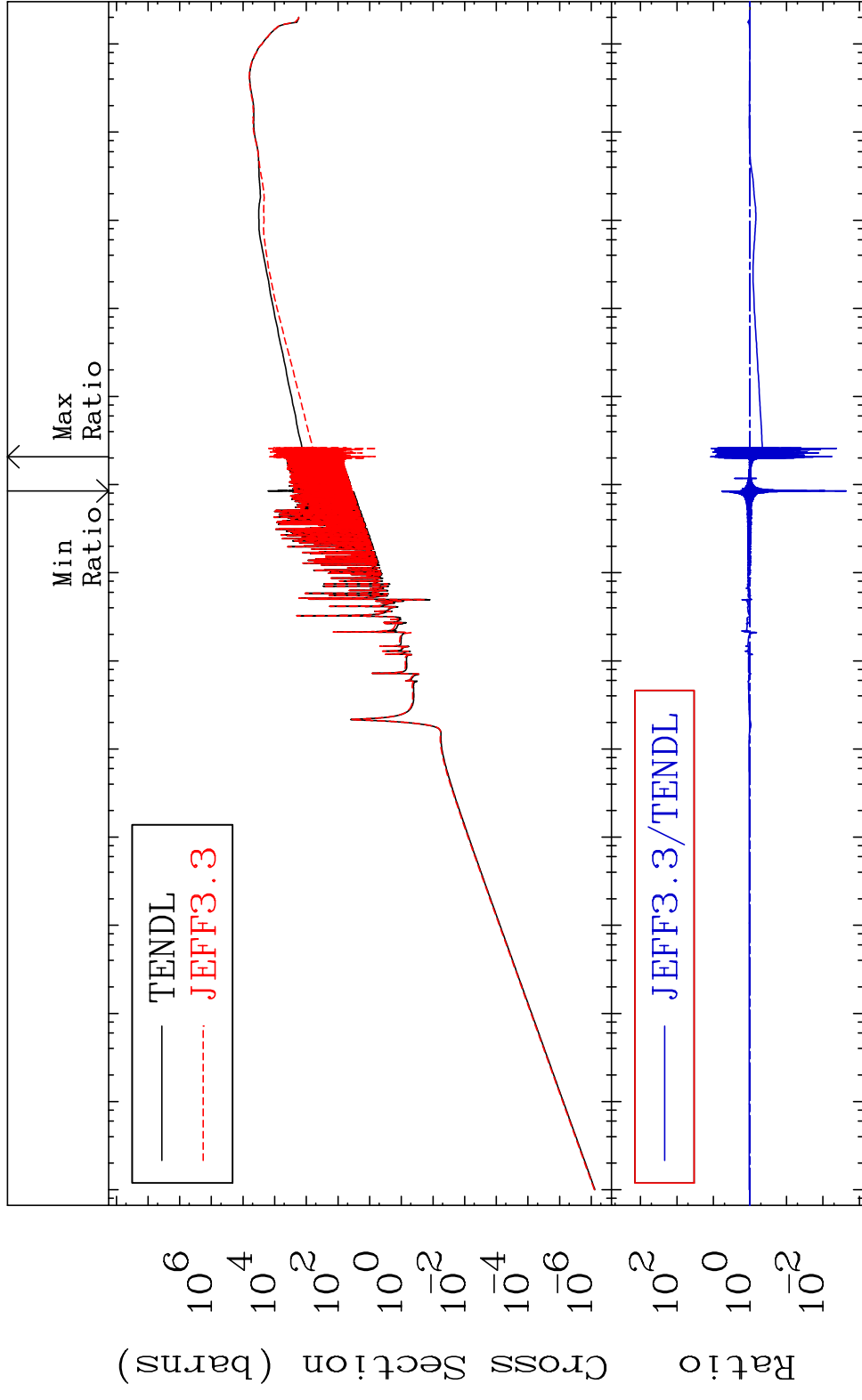
MAT 7525 Kerma total (eV-barns) 75-Re-185
 Cross Section -99.45 To 1143. %



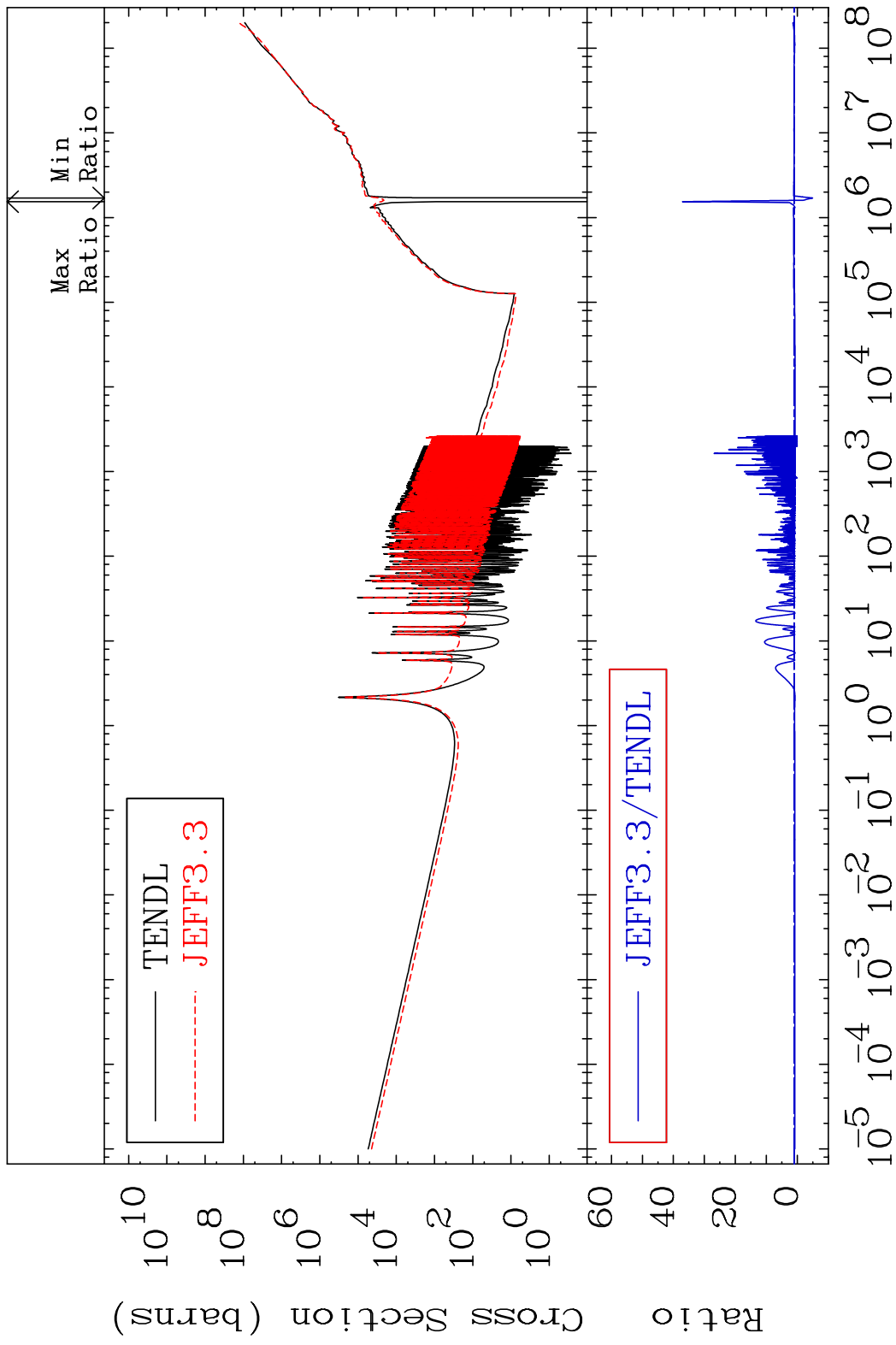
MAT 7525

Kerma elastic
Cross Section

75-Re-185
-99.777 To 1090. %

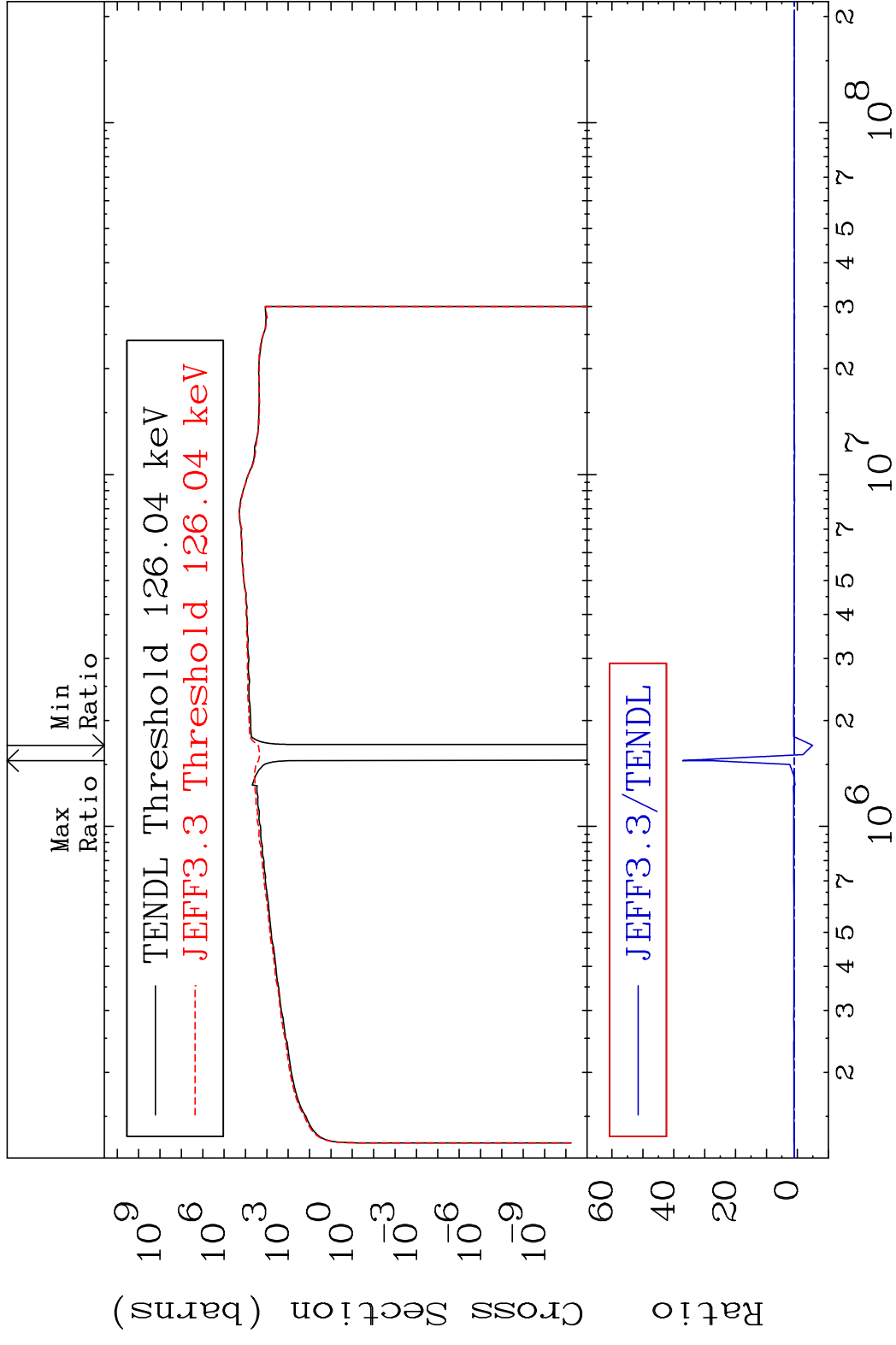


MAT 7525 Kerma non-elastic (all but mt2) 75-Re-185
Cross Section -592.0 To 3610. %

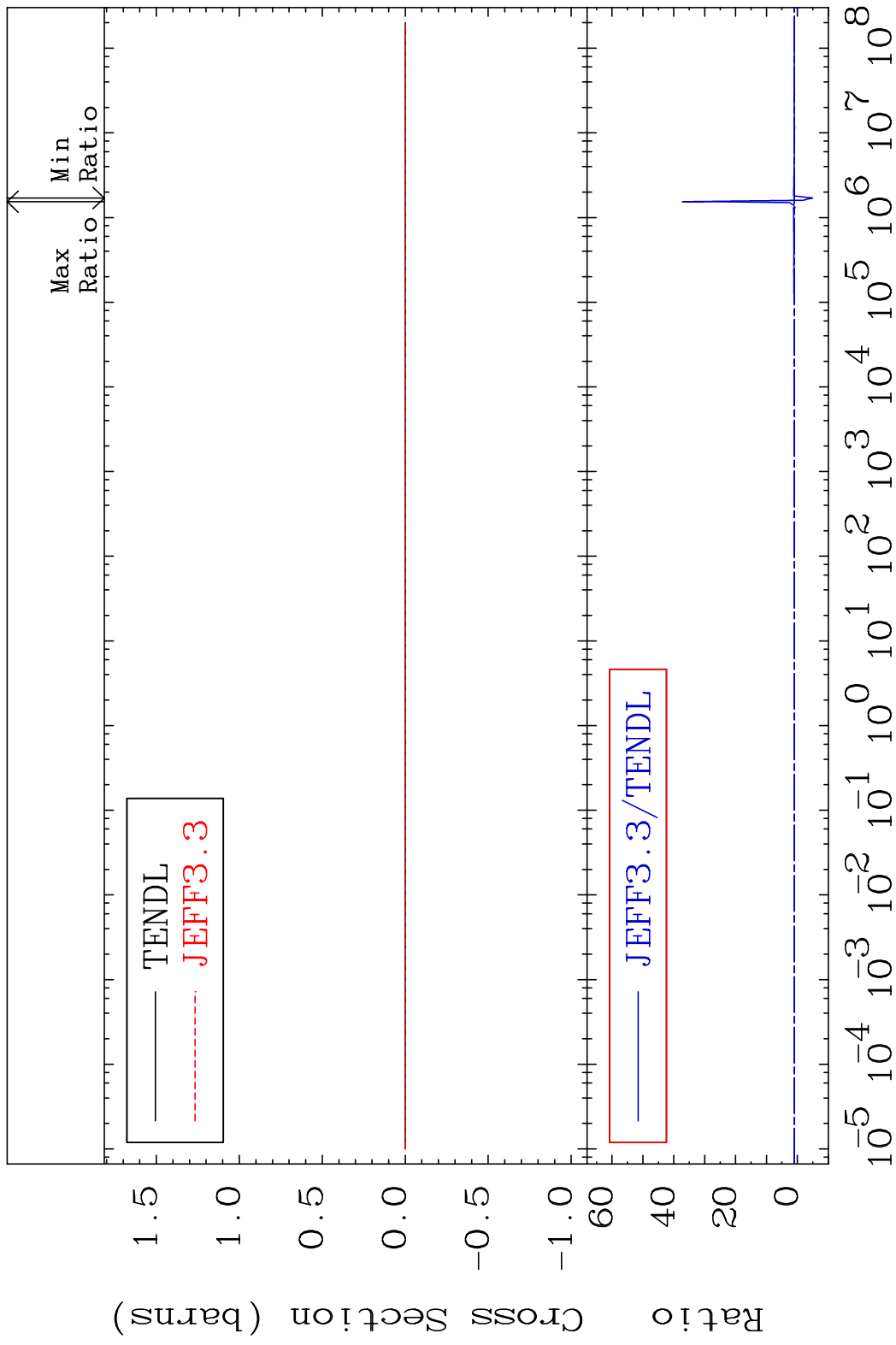


70 Incident Energy (eV) 75-Re-185

MAT 7525 Kerma inelastic (mt51-91) 75-Re-185
 Cross Section -591.7 To 3623. %

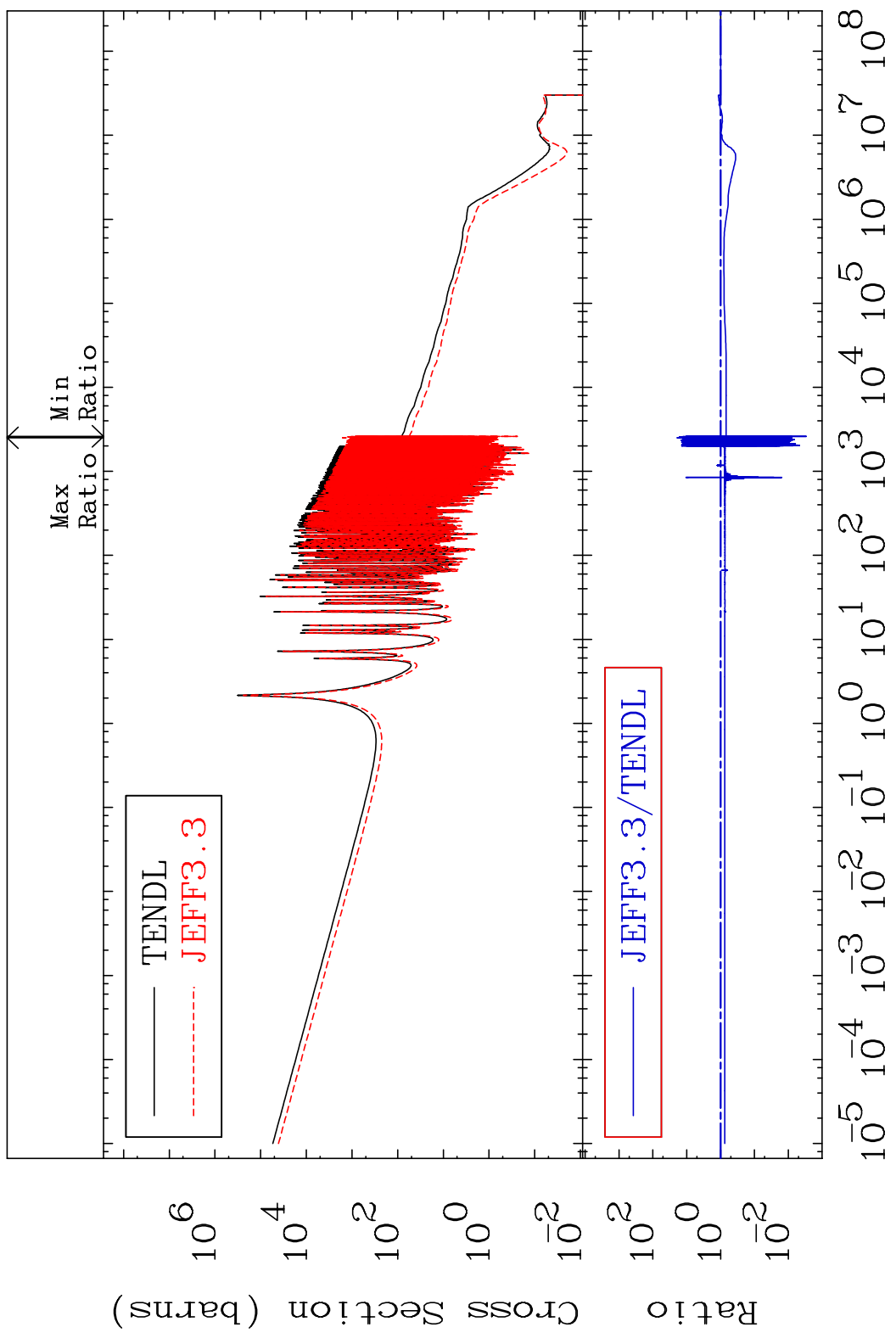


MAT 7525 Kerma fission (mt18 or mt19-20-21-38)75-Re-185
 Cross Section -591.7 To 3623. %



MAT 7525

Kerma capture (mt102) 75-Re-185
Cross Section -99.71 To 1808. %

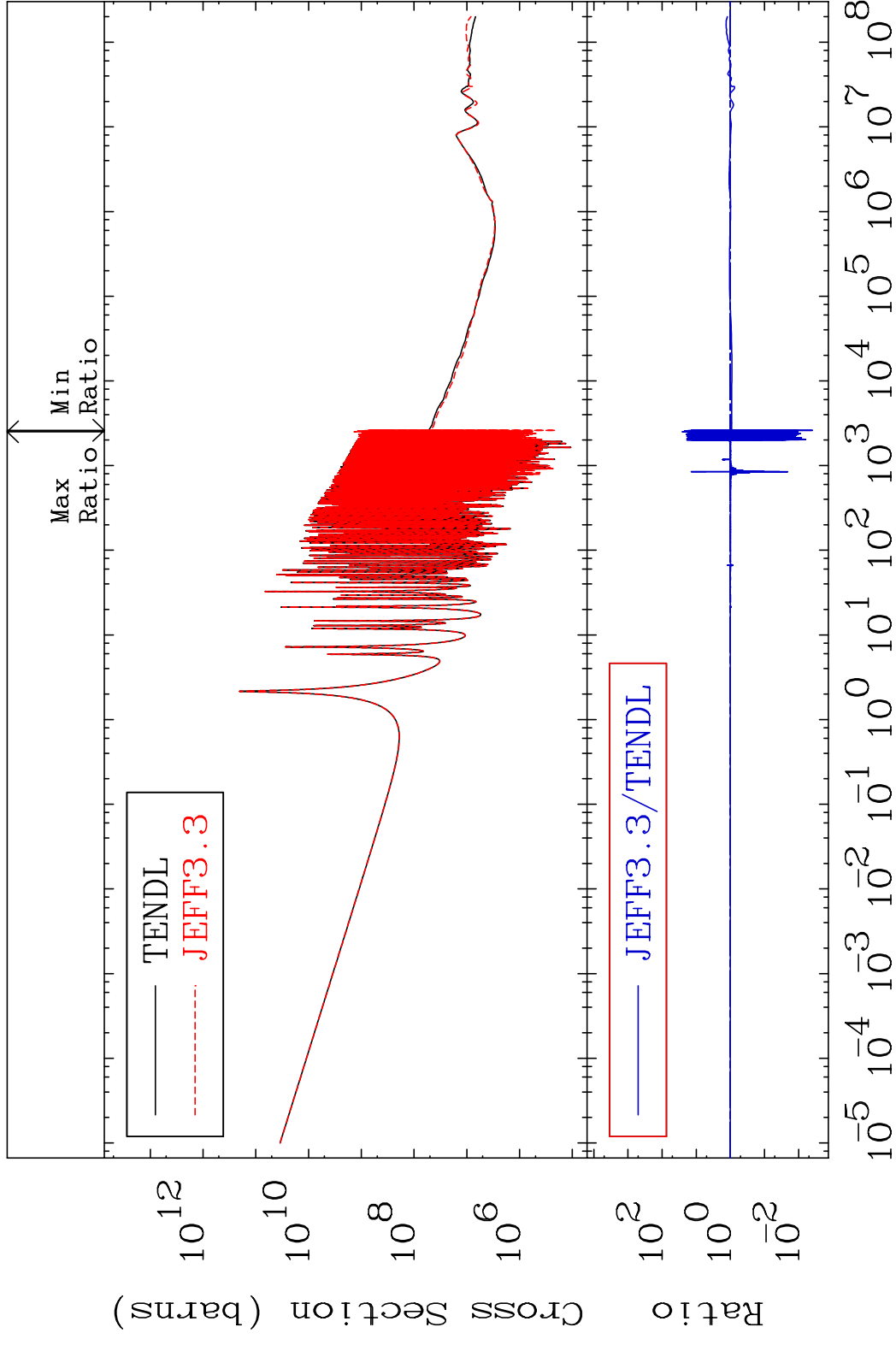


73

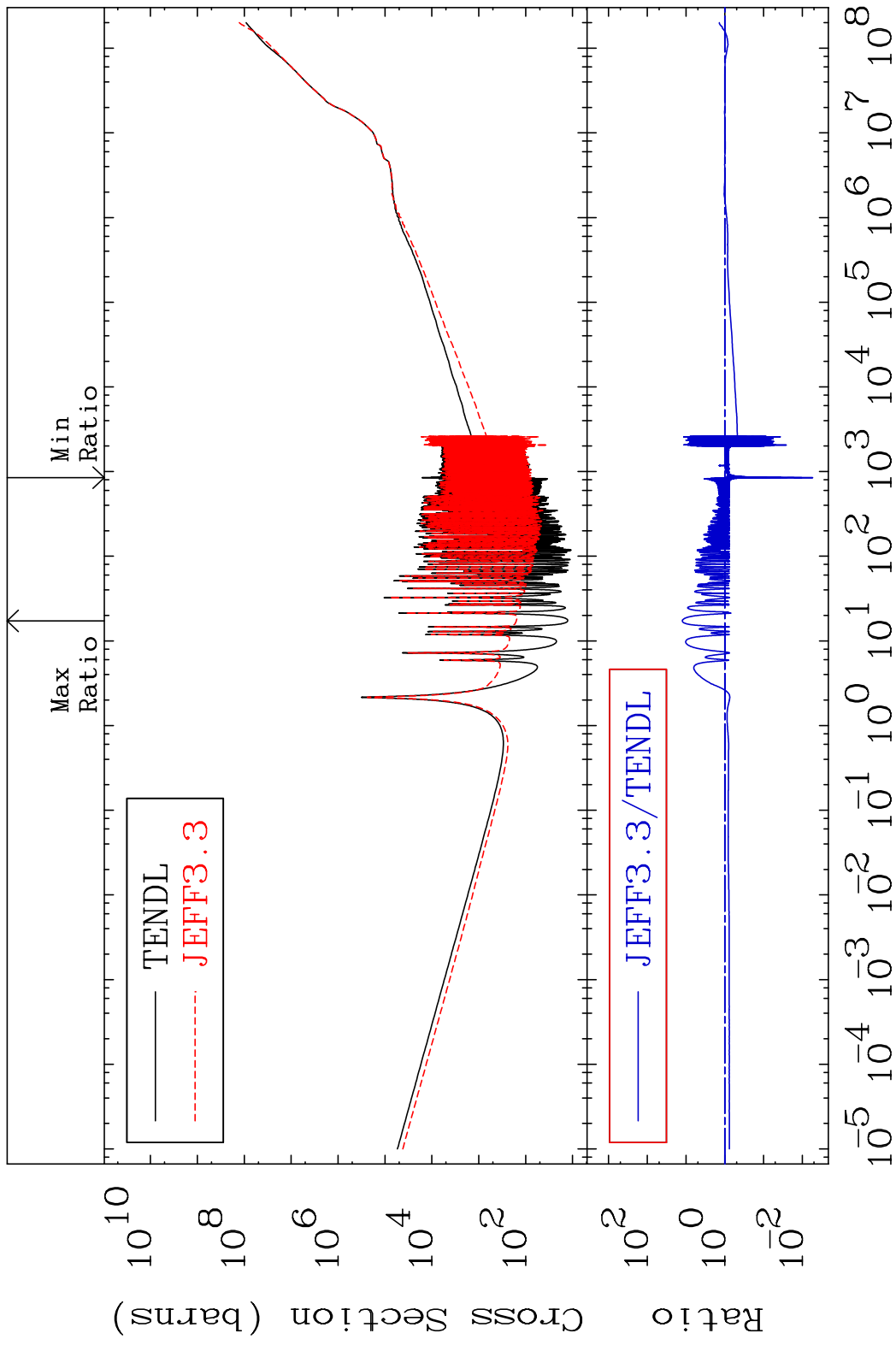
Incident Energy (eV)

75-Re-185

MAT 7525 Total photon (eV-barns) 75-Re-185
 Cross Section -99.61 To 2445. %



MAT 7525 Total kinematic kerma (high limit) 75-Re-185
Cross Section -99.45 To 1151. %

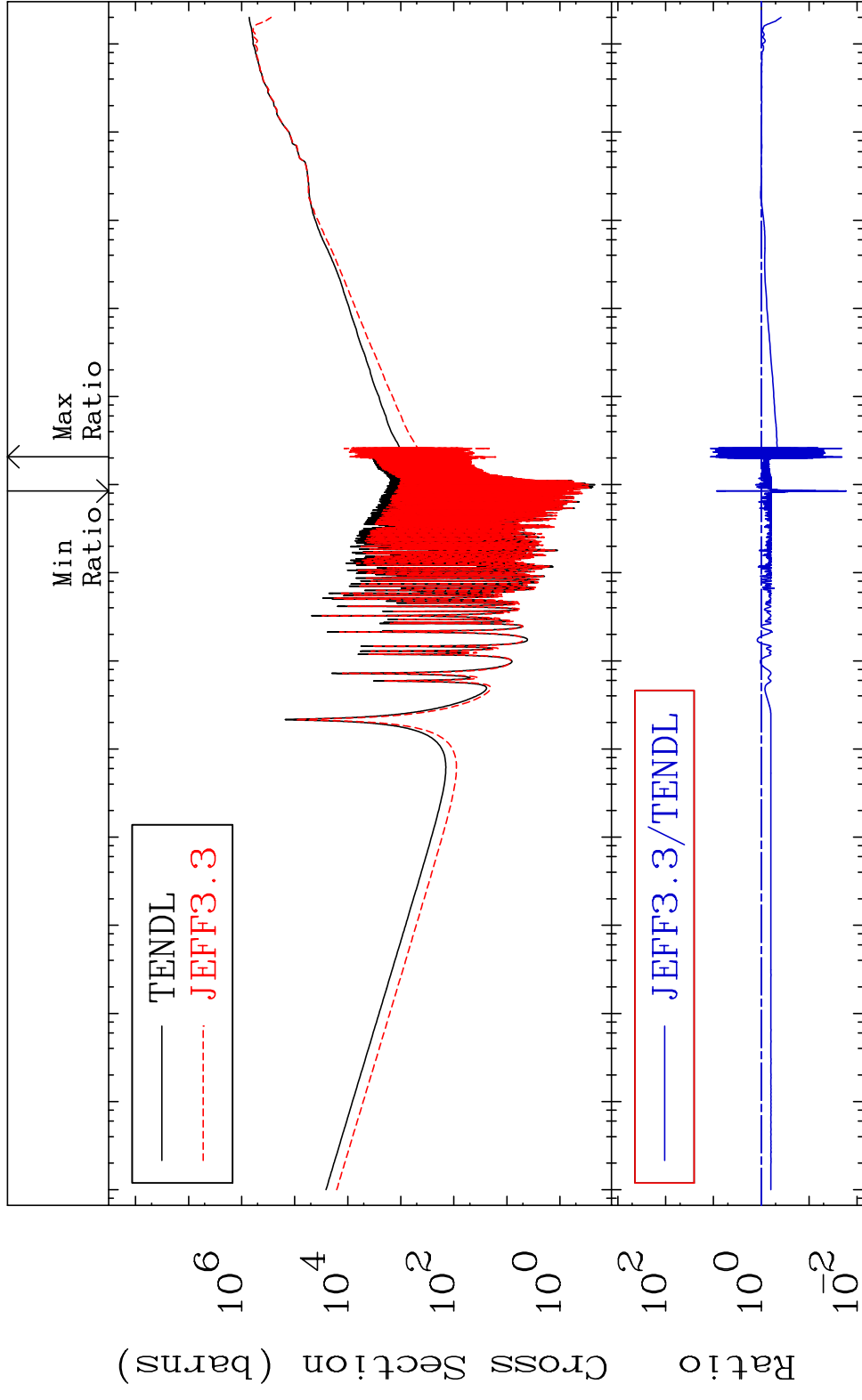


MAT 7525

Dpa total (eV-barns)

75-Re-185

Cross Section -98.33 To 1042. %



76

Incident Energy (eV)

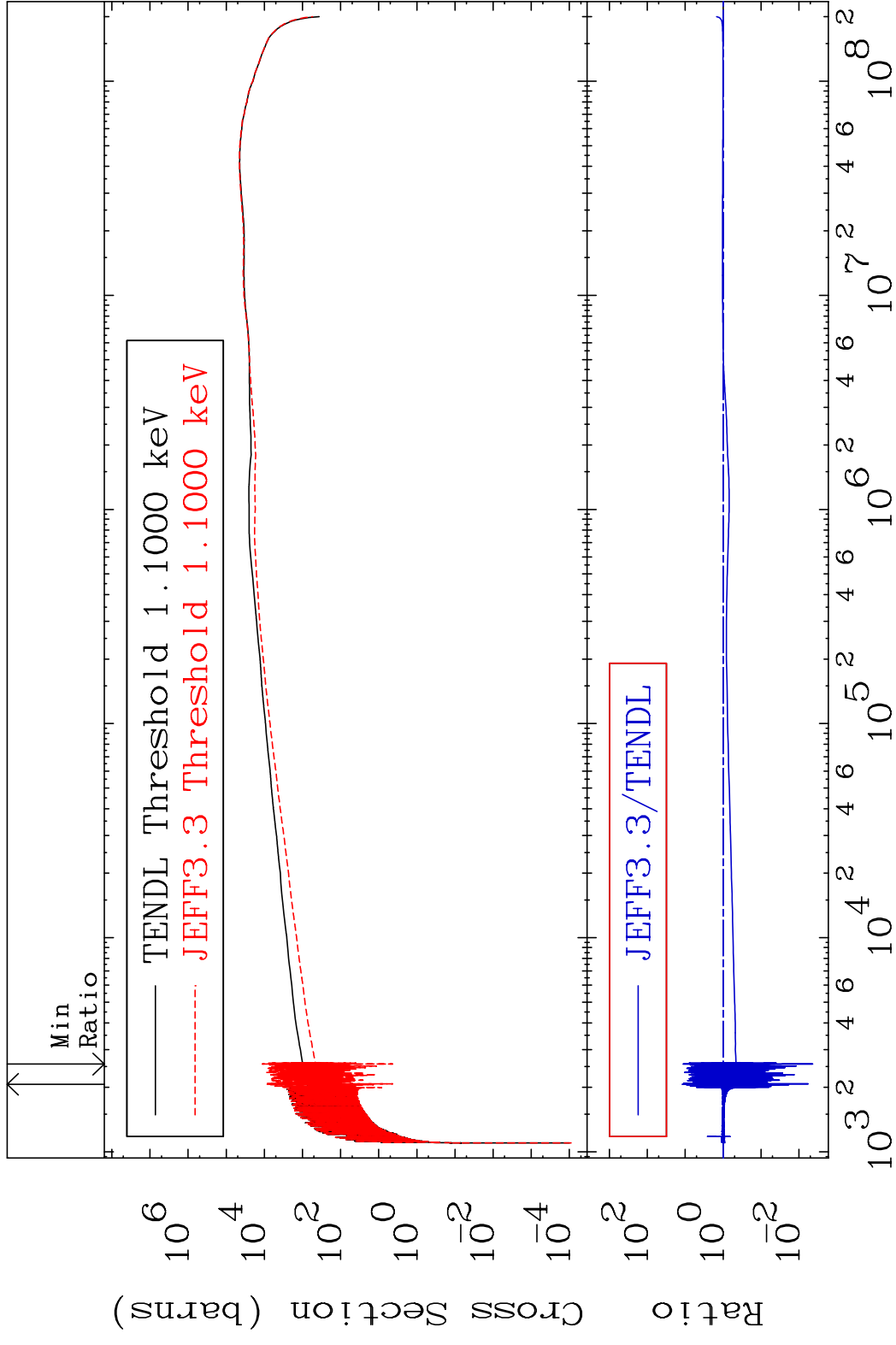
75-Re-185

MAT 7525

Dpa elastic (mt2)

75-Re-185

Cross Section -99.56 To 1091. %

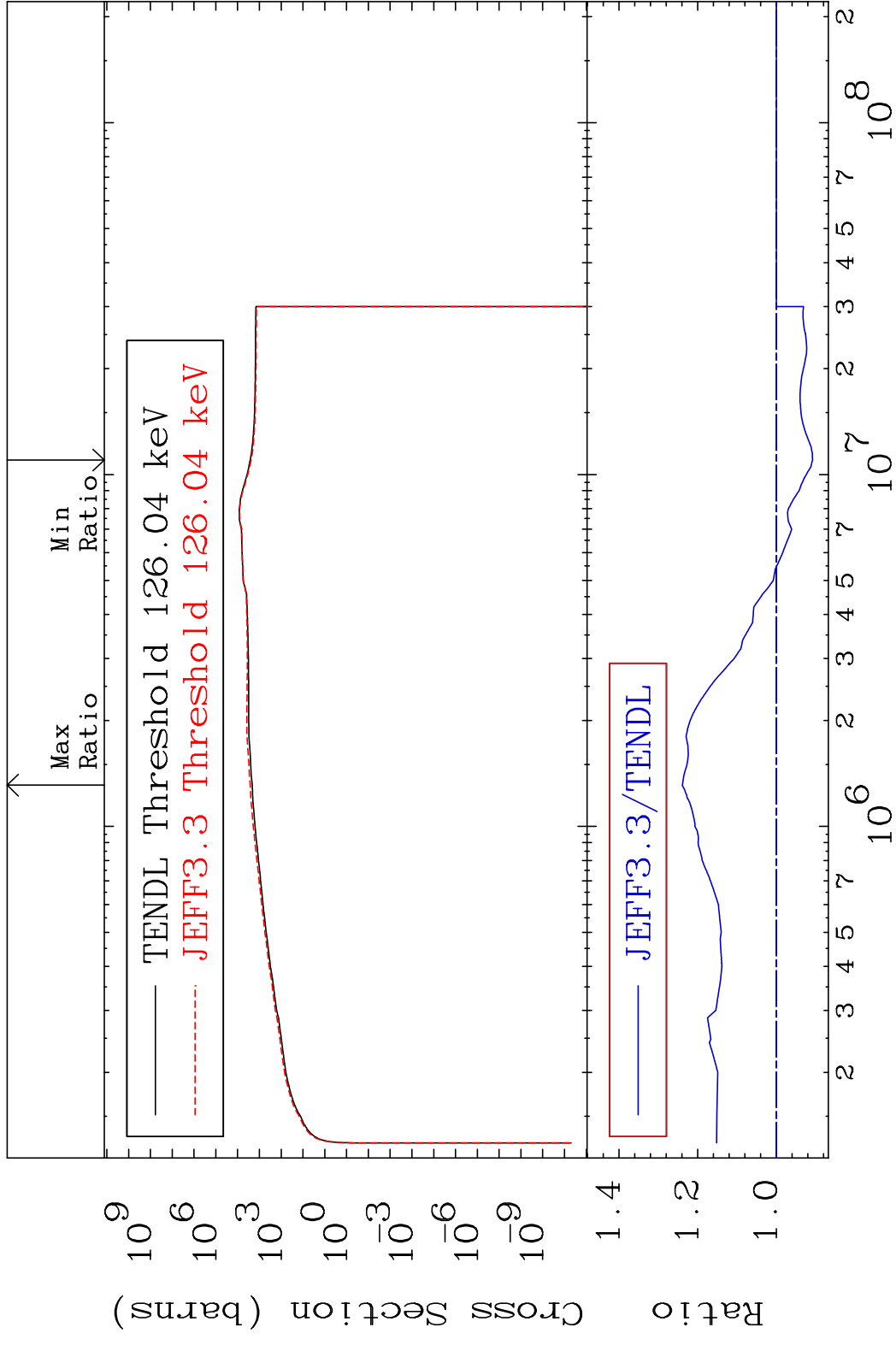


77

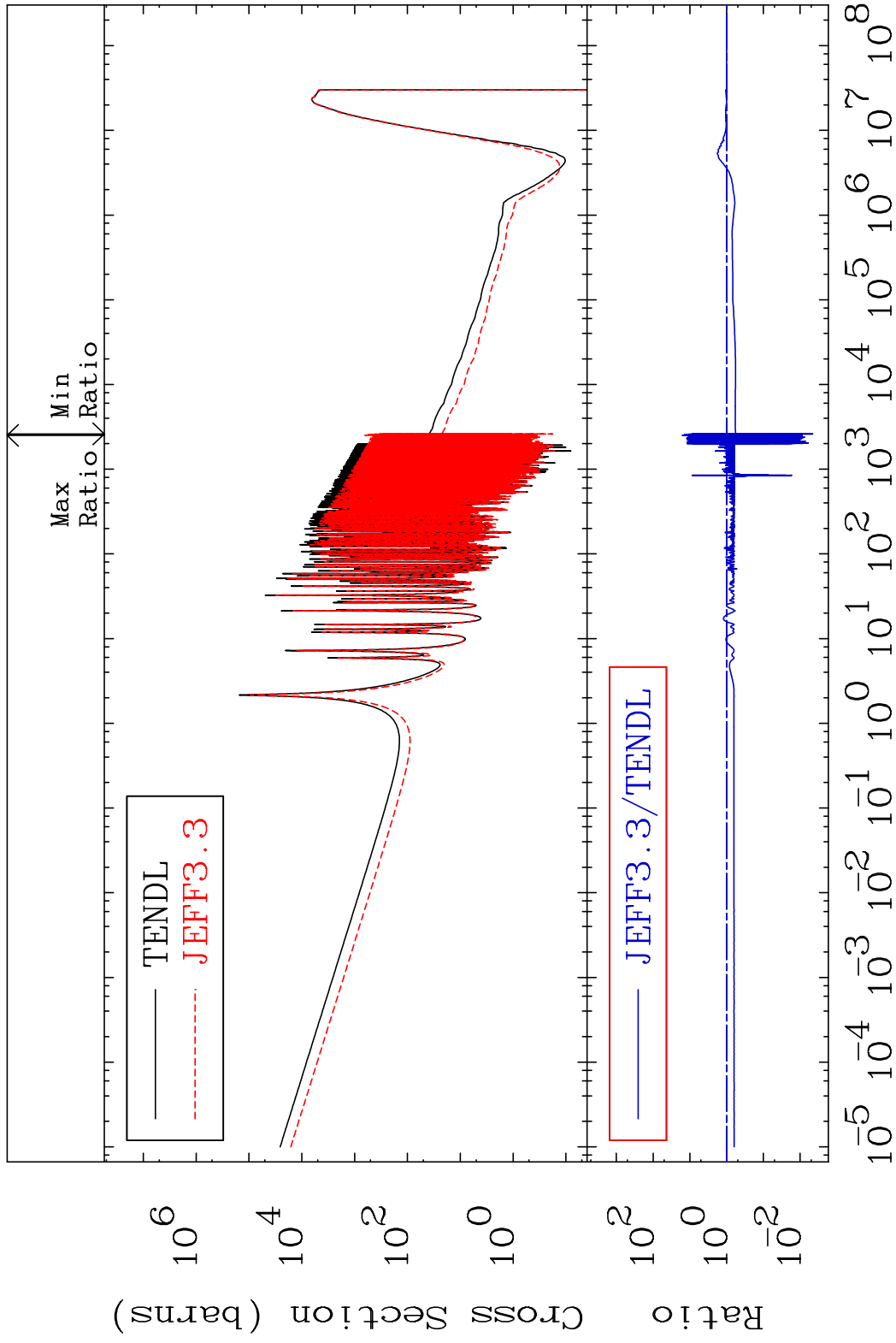
Incident Energy (eV)

75-Re-185

MAT 7525 Dpa inelastic (mt51-91) 75-Re-185
 Cross Section -9.182 To 23.89 %

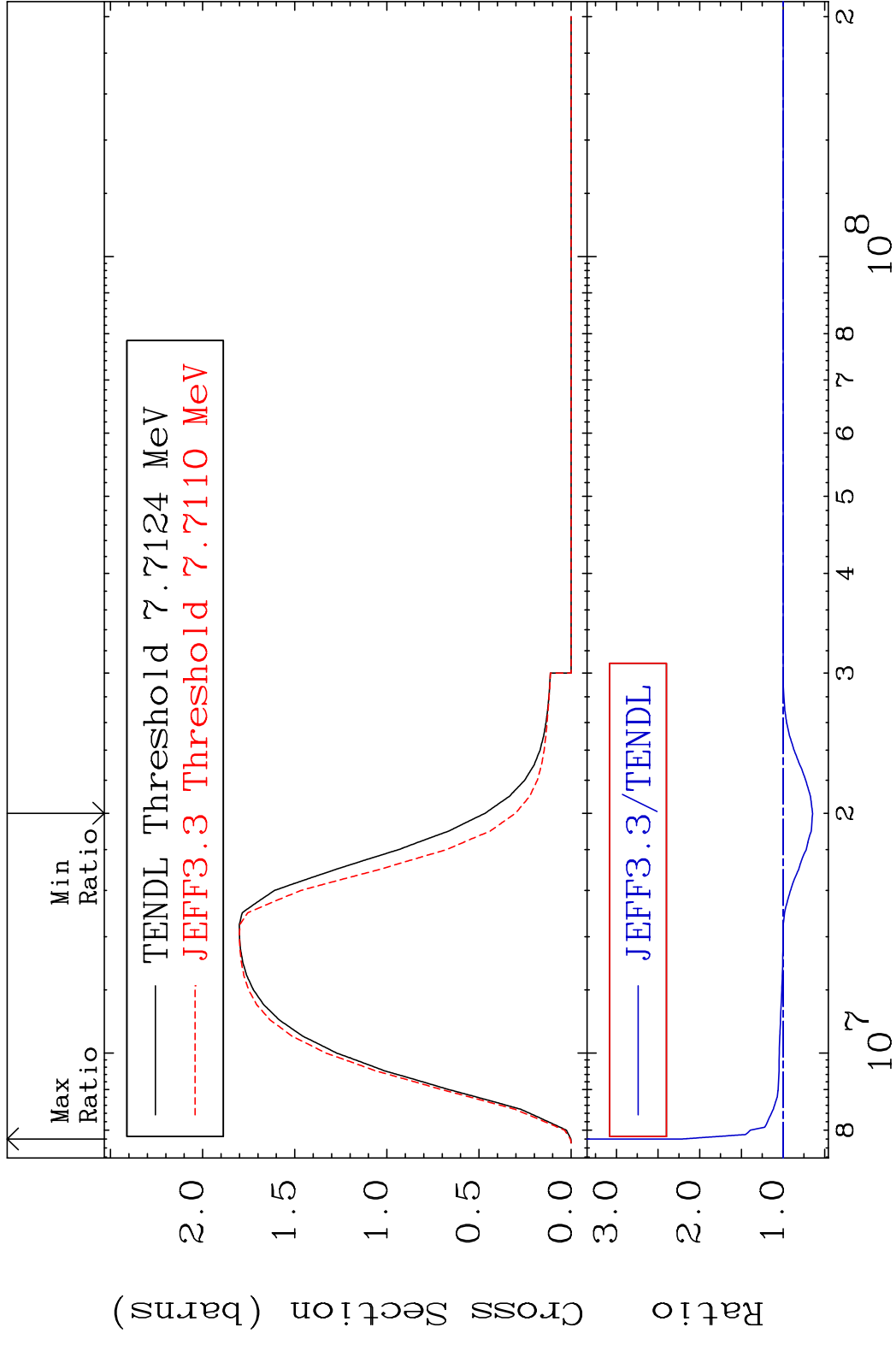


MAT 7525 Dpa disappearance (mt102 -120) 75-Re-185
 Cross Section -99.54 To 1501. %

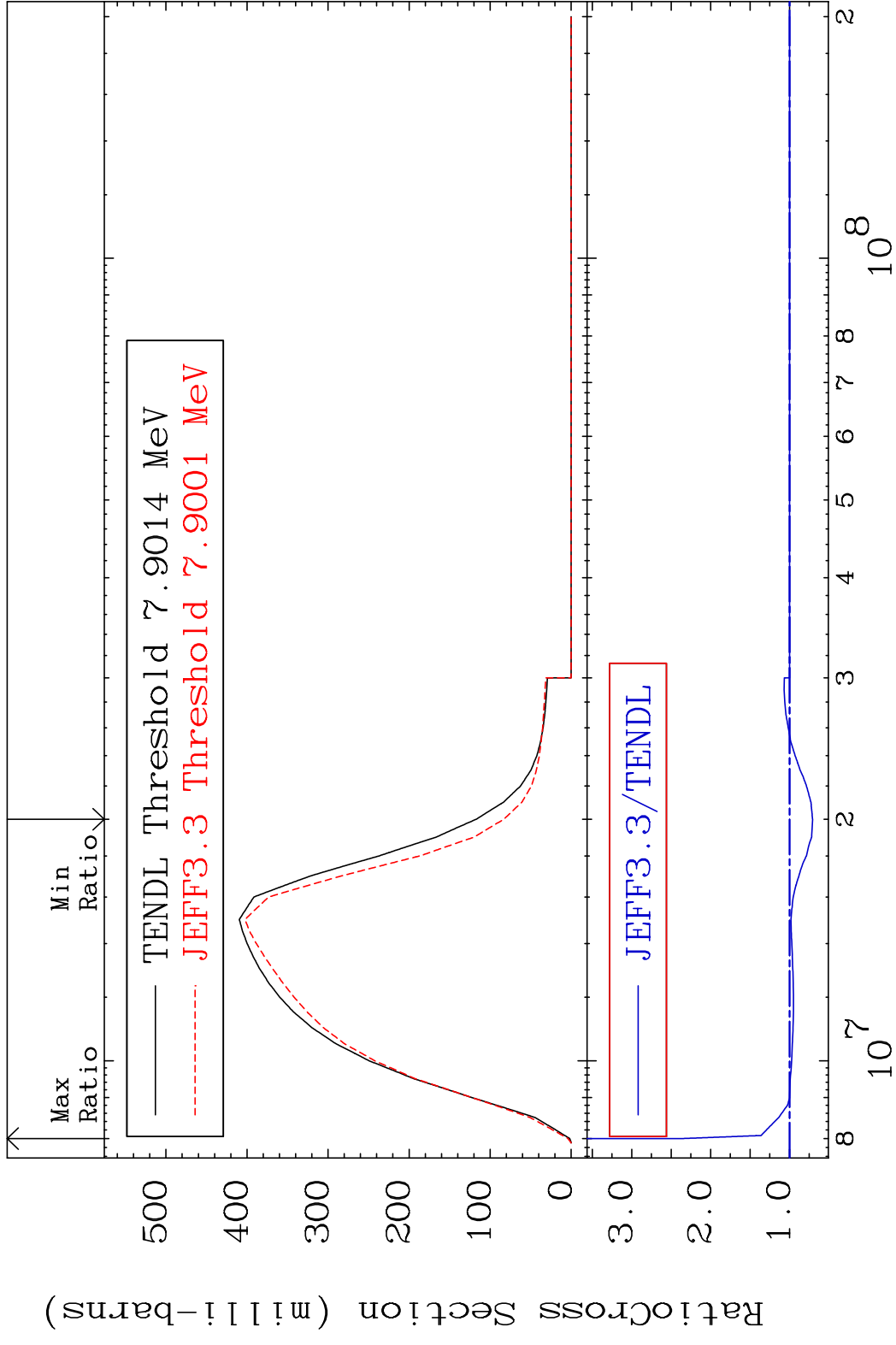


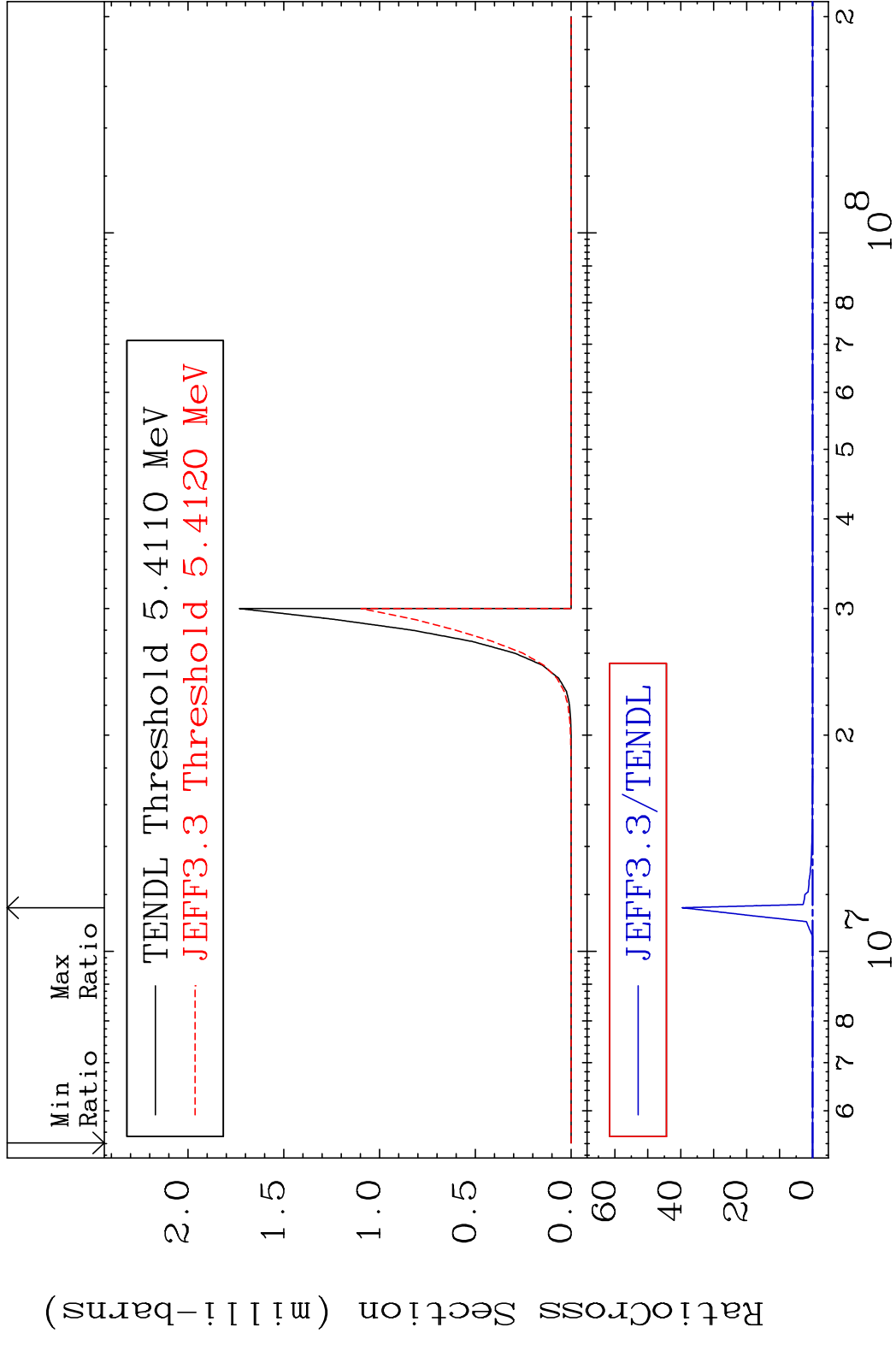
79 Incident Energy (eV) 75-Re-185

MAT 7525 (n,2n):75-Re-184g 75-Re-185
 Radionuclide Production Cross Section 120.8 %

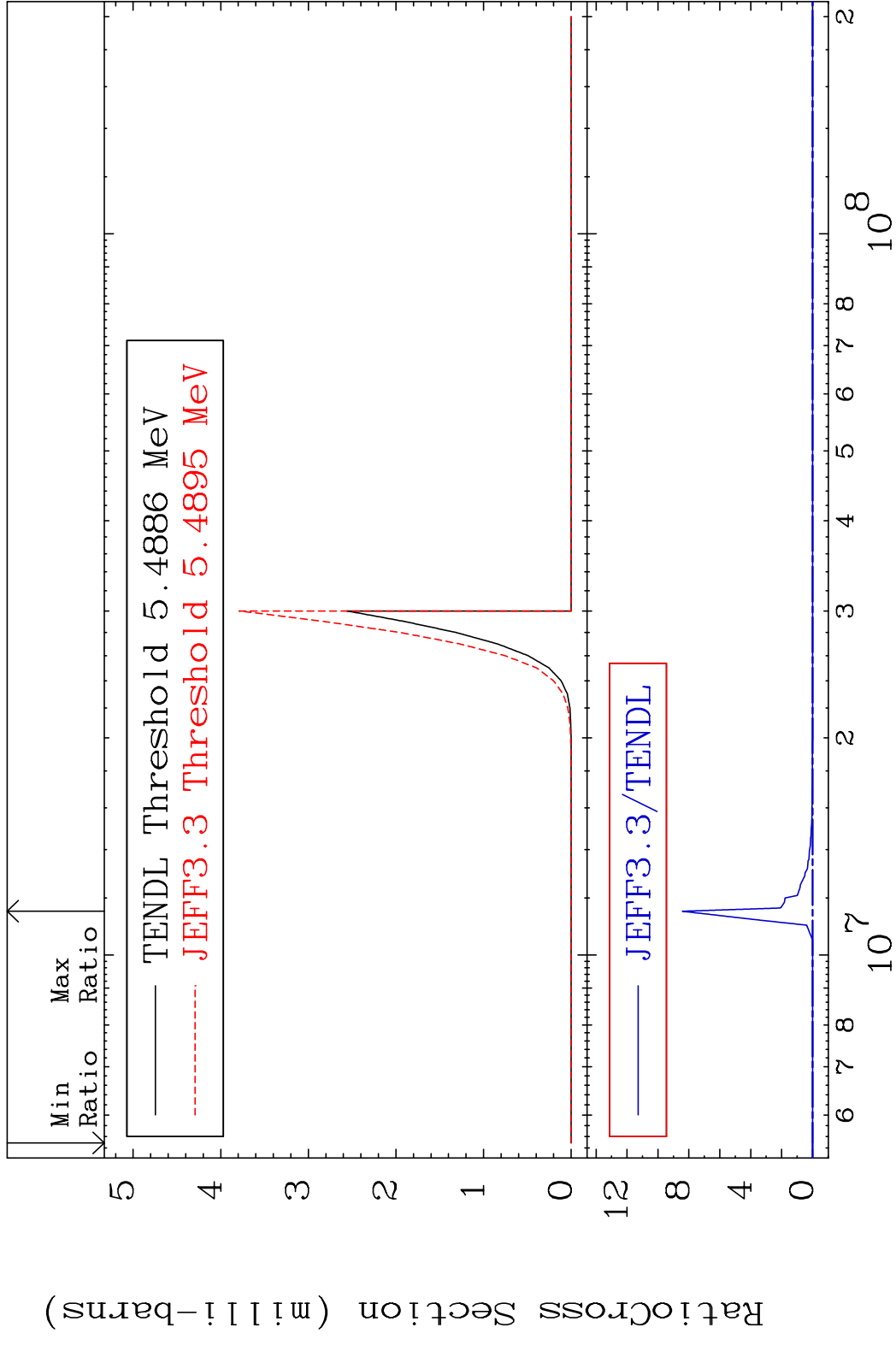


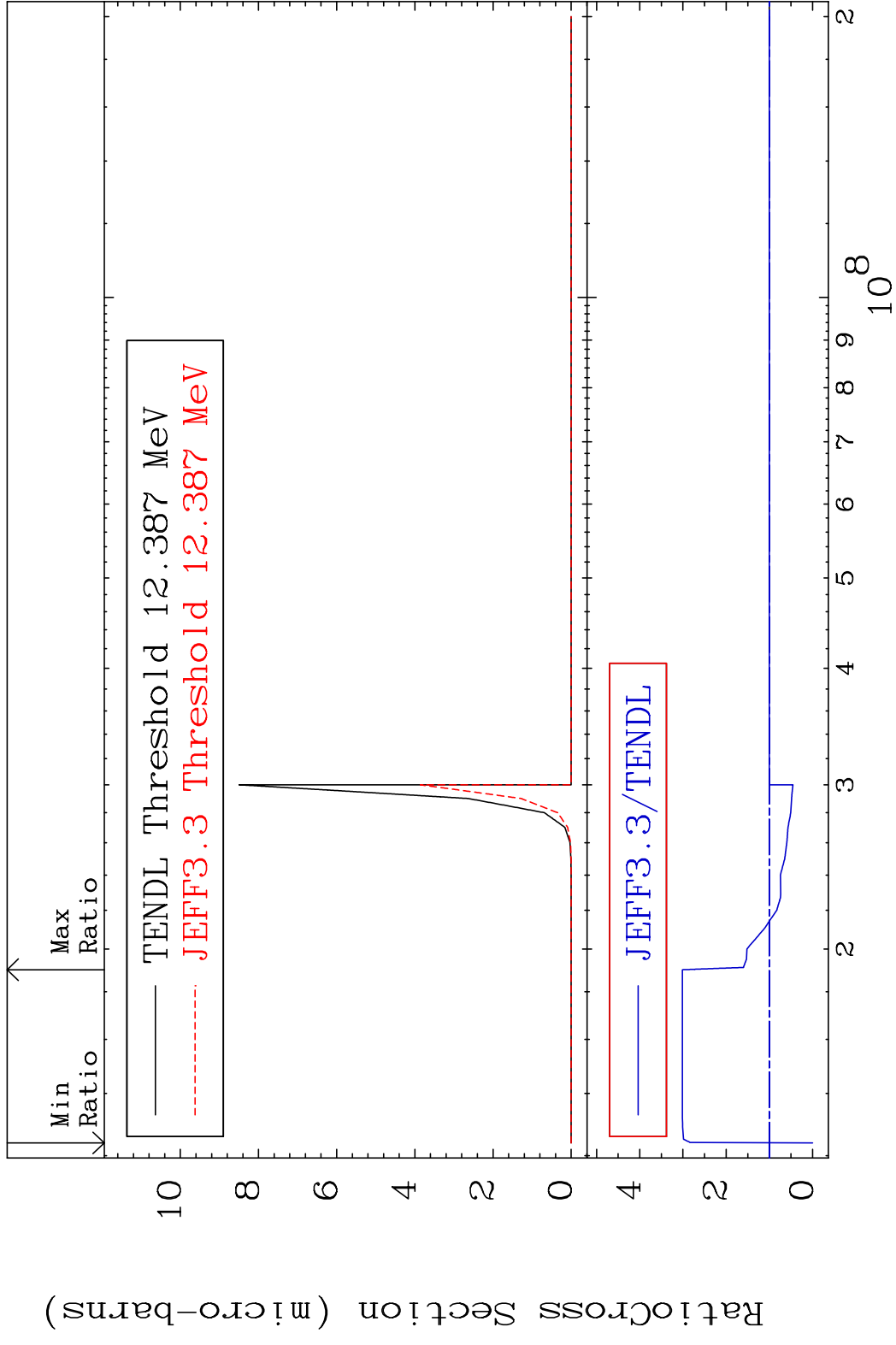
80 75-Re-185



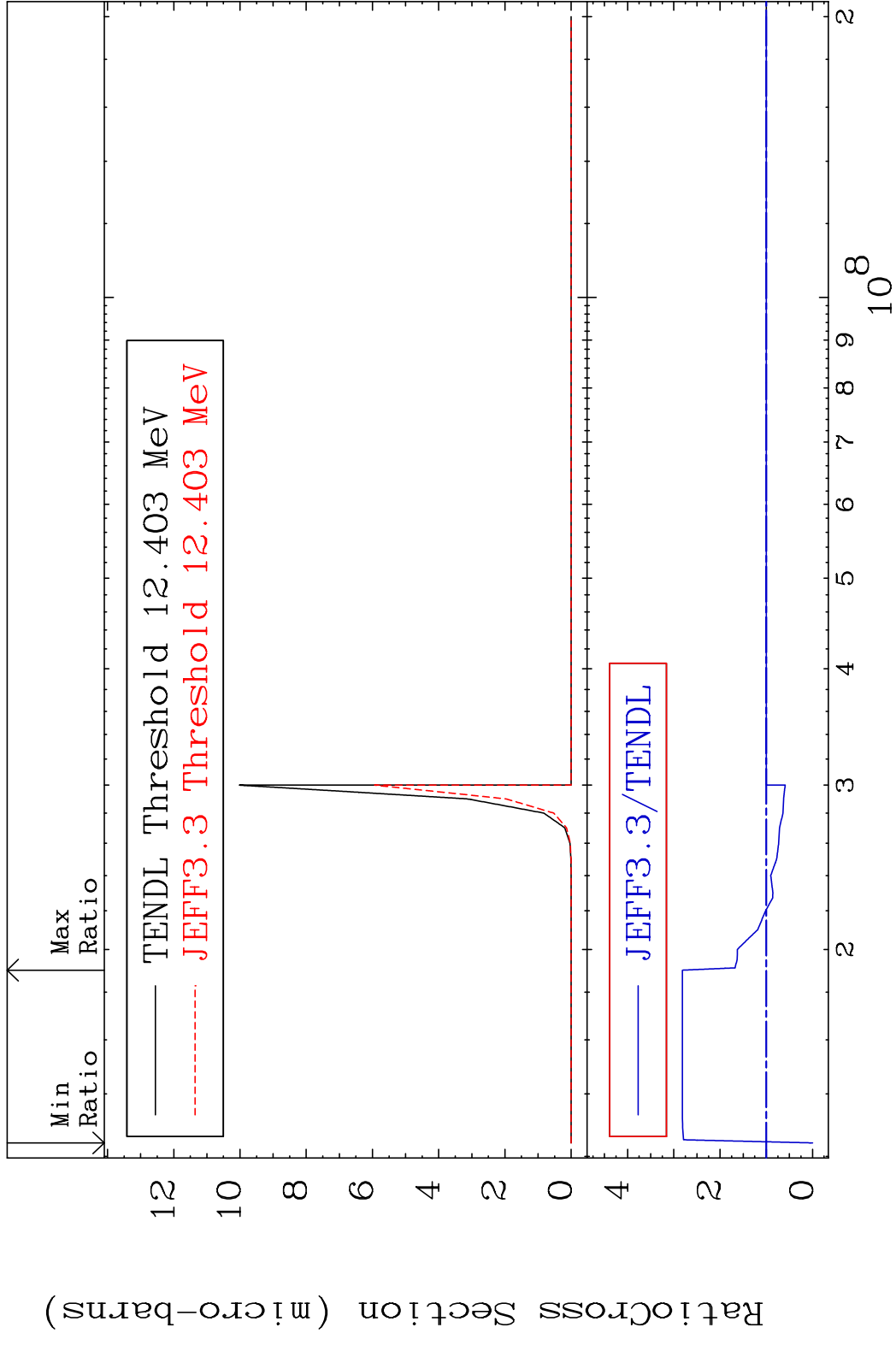


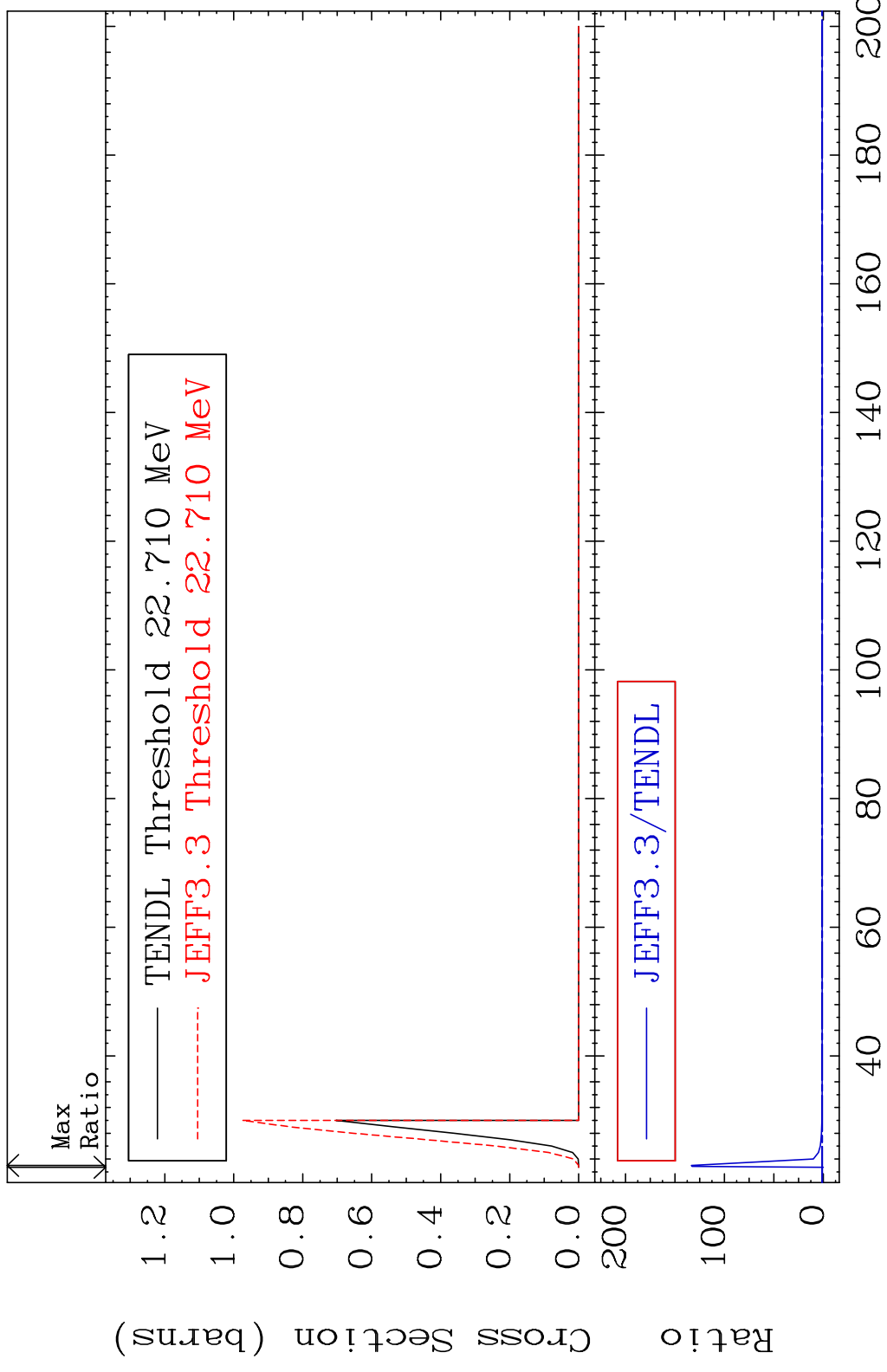
MAT 7525 (n,2n) α :73-Ta-180m2 75-Re-185
 Radionuclide Production Cross Section 1800 to 9999. %



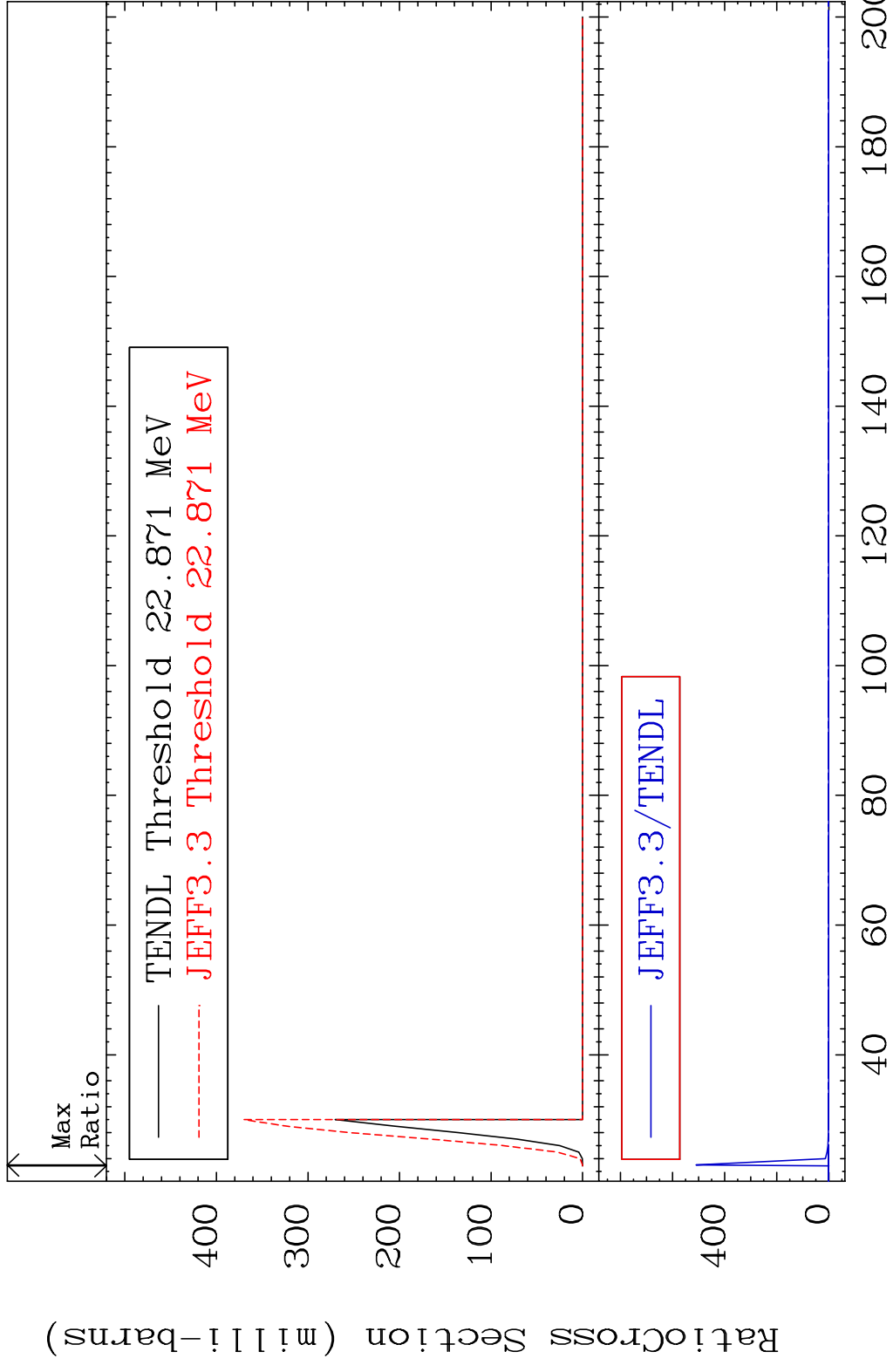


MAT 7525 (n, n') He-3:73-Ta-182m1 75-Re-185
 Radionuclide Production Cross Section 181.5 %

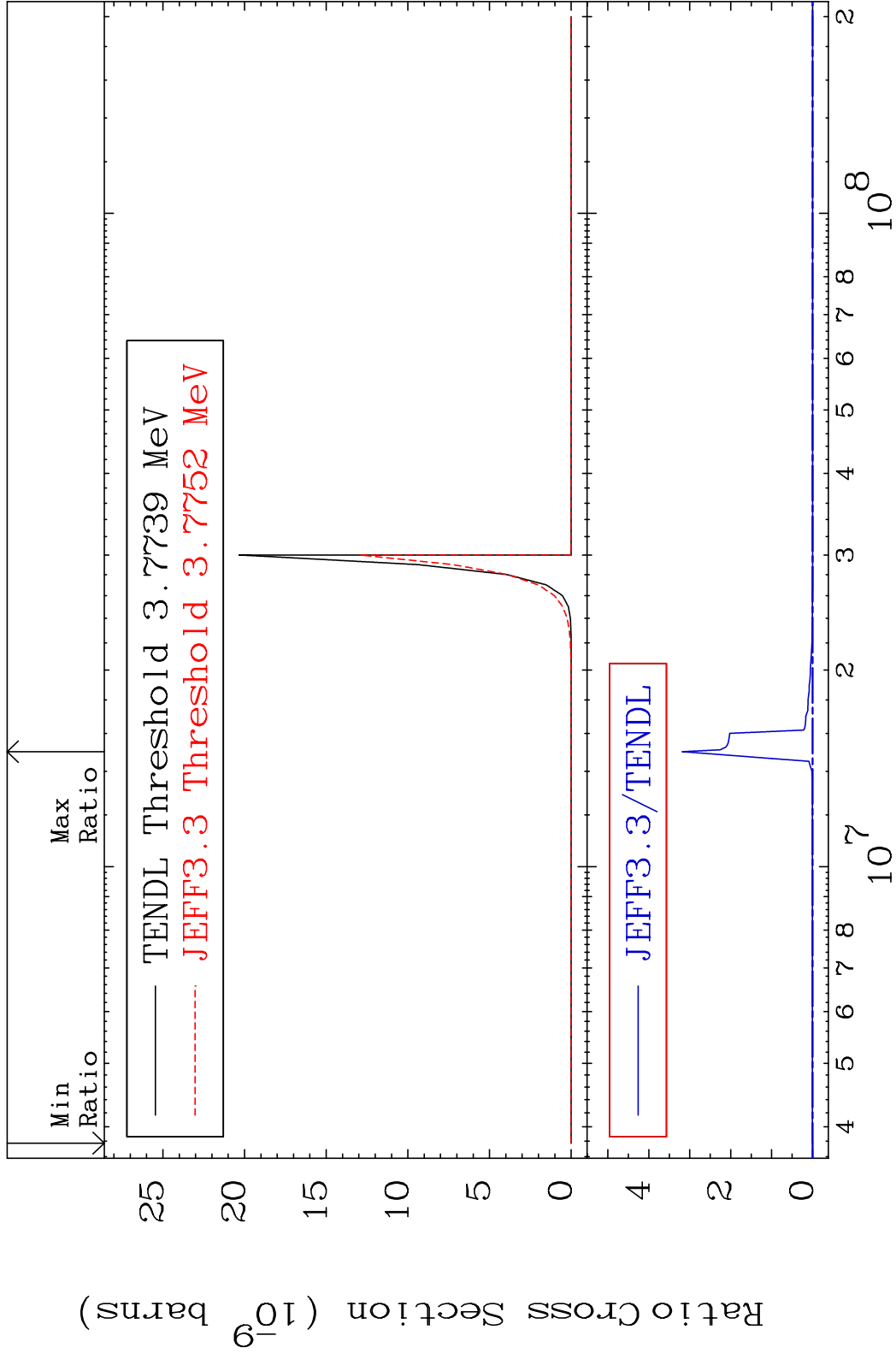




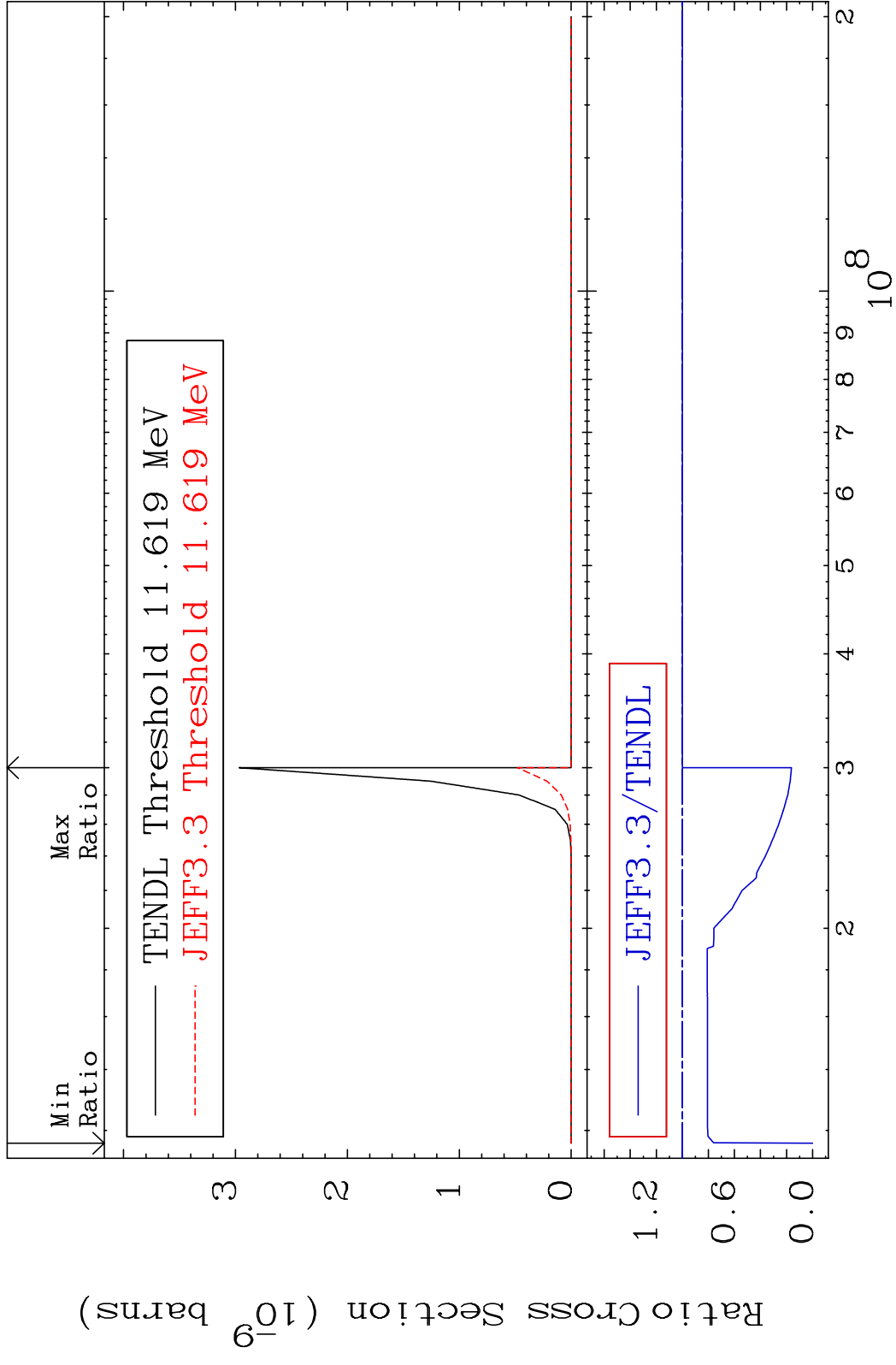
MAT 7525 (n, 4n): 75-Re-182m2 75-Re-185
 Radionuclide Production Cross Section Ratio 9999. %



MAT 7525 (n, n') p α:72-Hf-180g 75-Re-185
 Radionuclide Production Cross Section Ratio 9999. %



MAT 7525 (n, p) t:73-Ta-182g 75-Re-185
 Radionuclide Production Cross Section 182g Ta-73 to 185 Re-75 0.000 %



MAT 7525 (n, p) t:73-Ta-182m1 75-Re-185
 Radionuclide Production Cross Section 182m1 Ta 0.000 %

