

Program Complot
(Version 2021-1)

by

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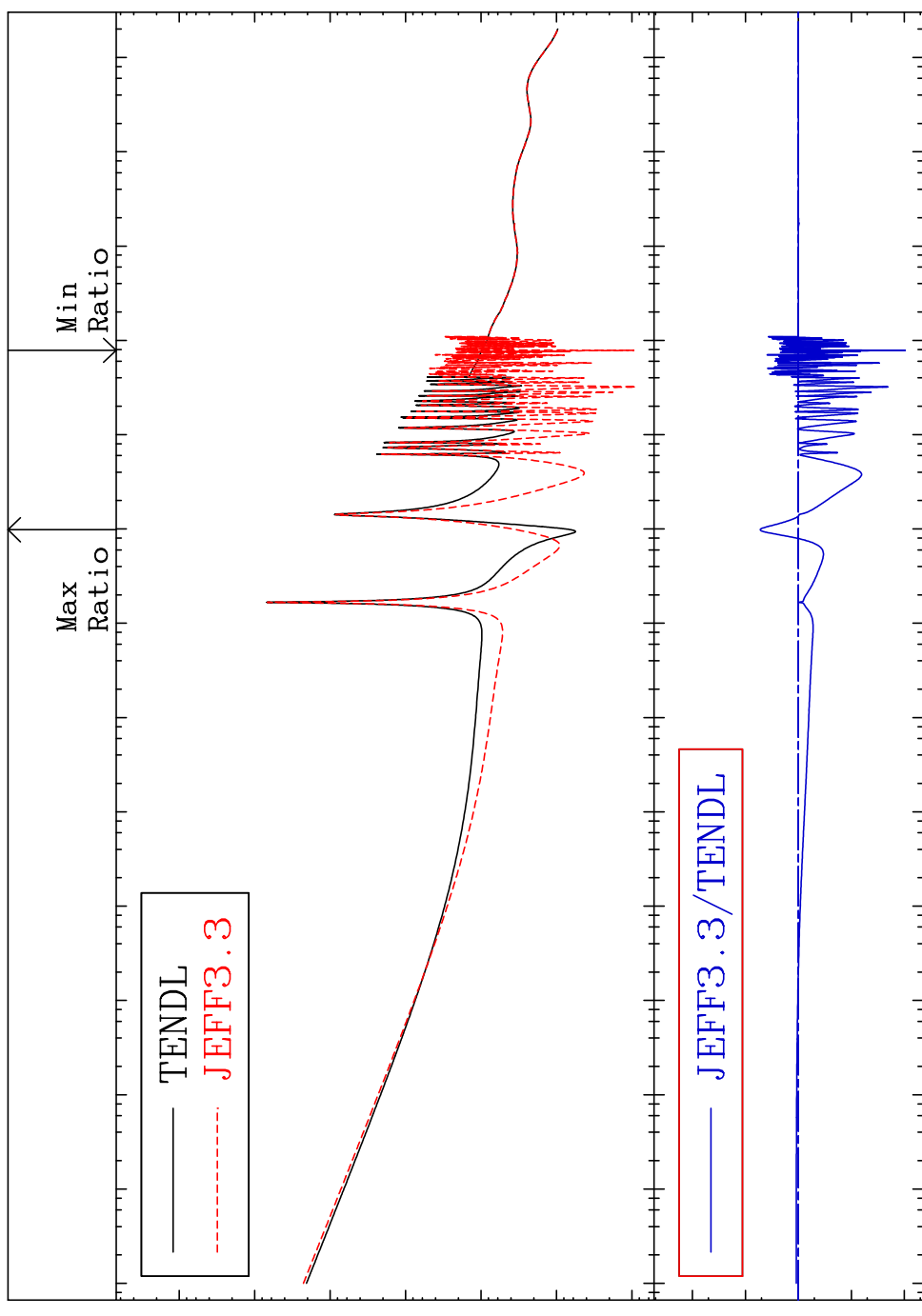
Press Mouse Button to Start

MAT 2325

Total

23-V -50

Cross Section -99.04 To 426.9 %



Ratio
Cross Section (barns)

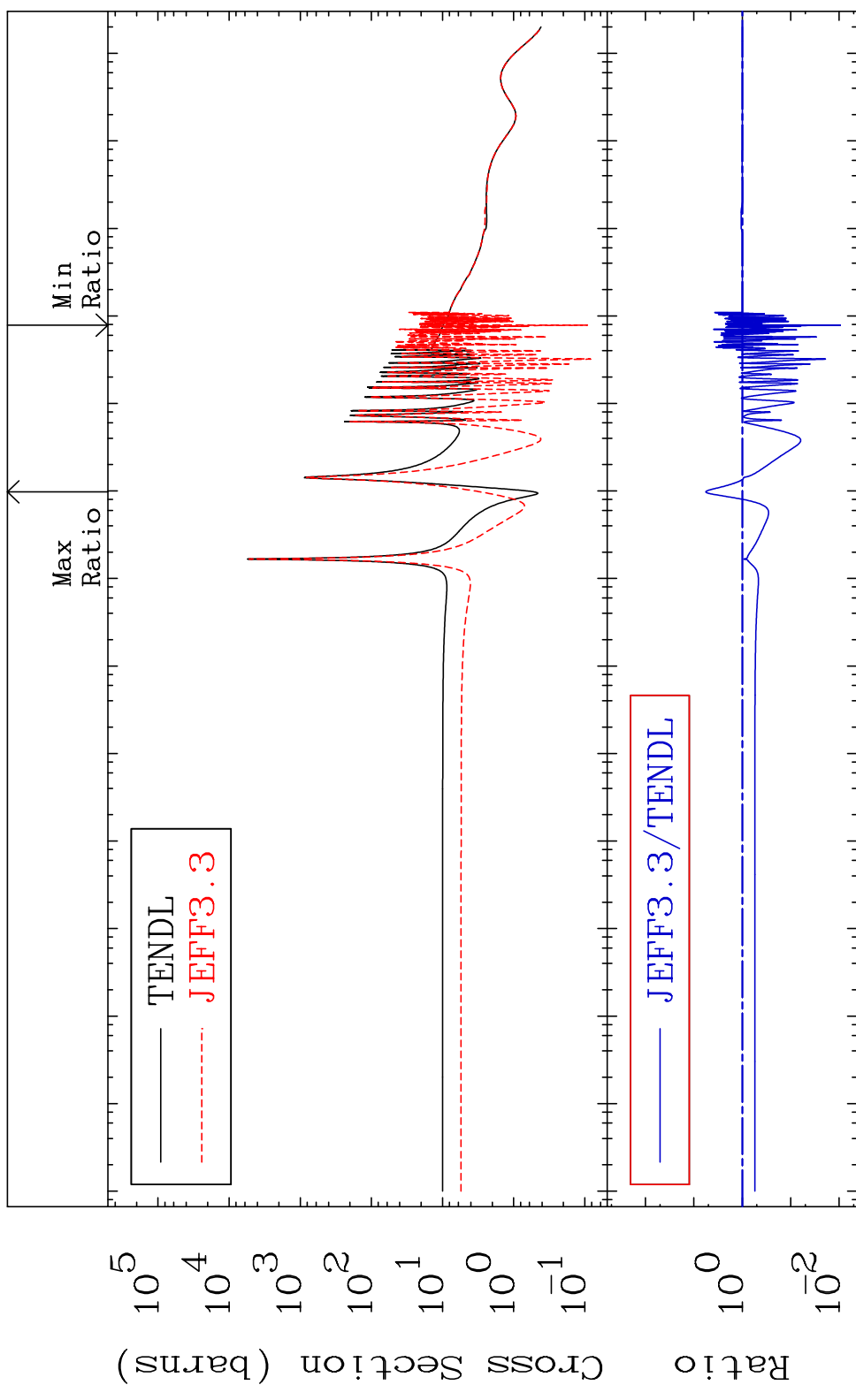
Ratio

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 10⁻¹ 10⁻² 10⁻³ 10⁻⁴ 10⁻⁵

Incident Energy (eV)

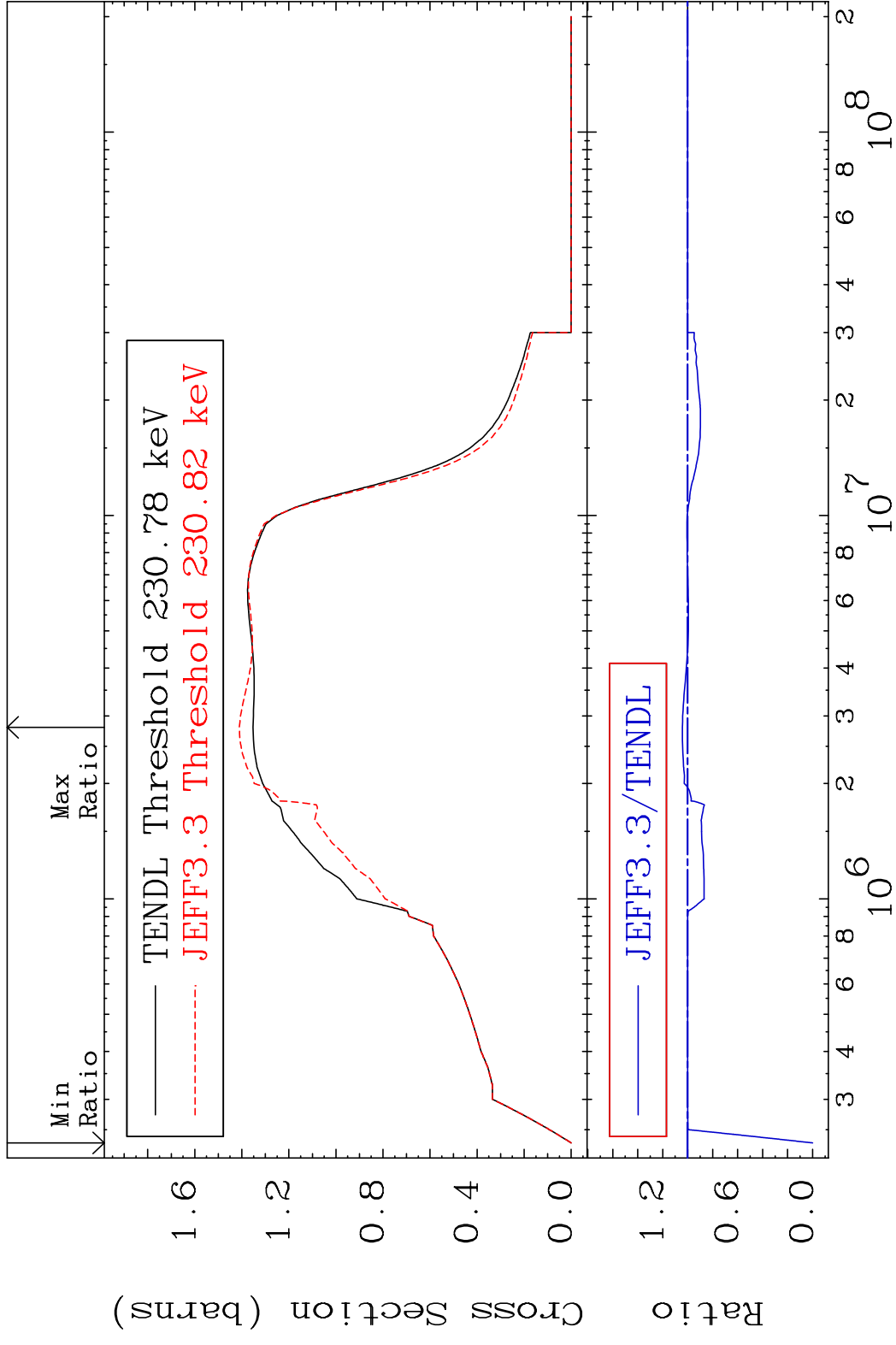
23-V -50

MAT 2325 Elastic 23-V -50
 Cross Section -99.06 To 467.1 %

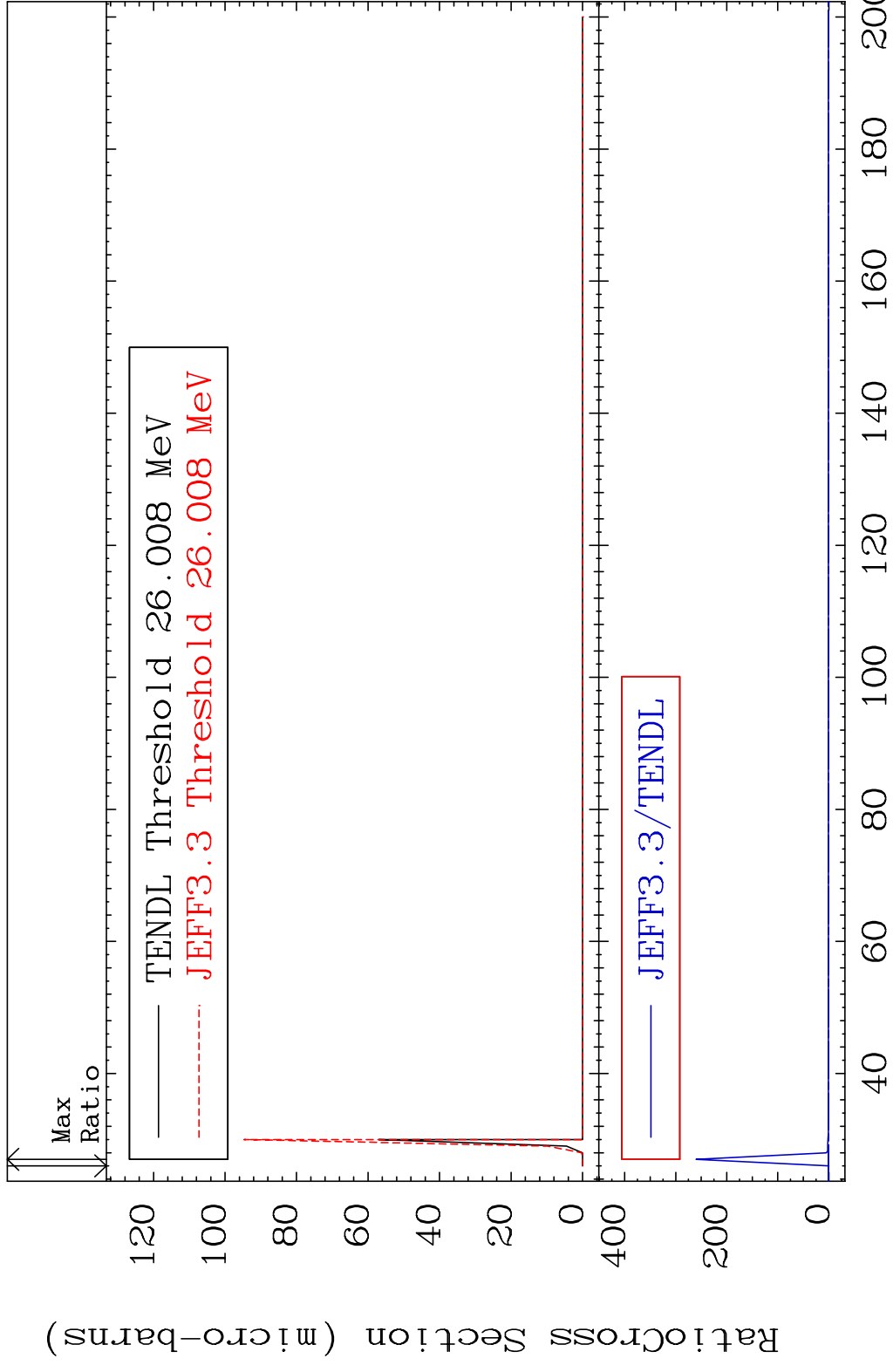


2 Incident Energy (eV) 23-V -50

MAT 2325 Inelastic 23-V -50
 Cross Section -100.0 To 4.271 %

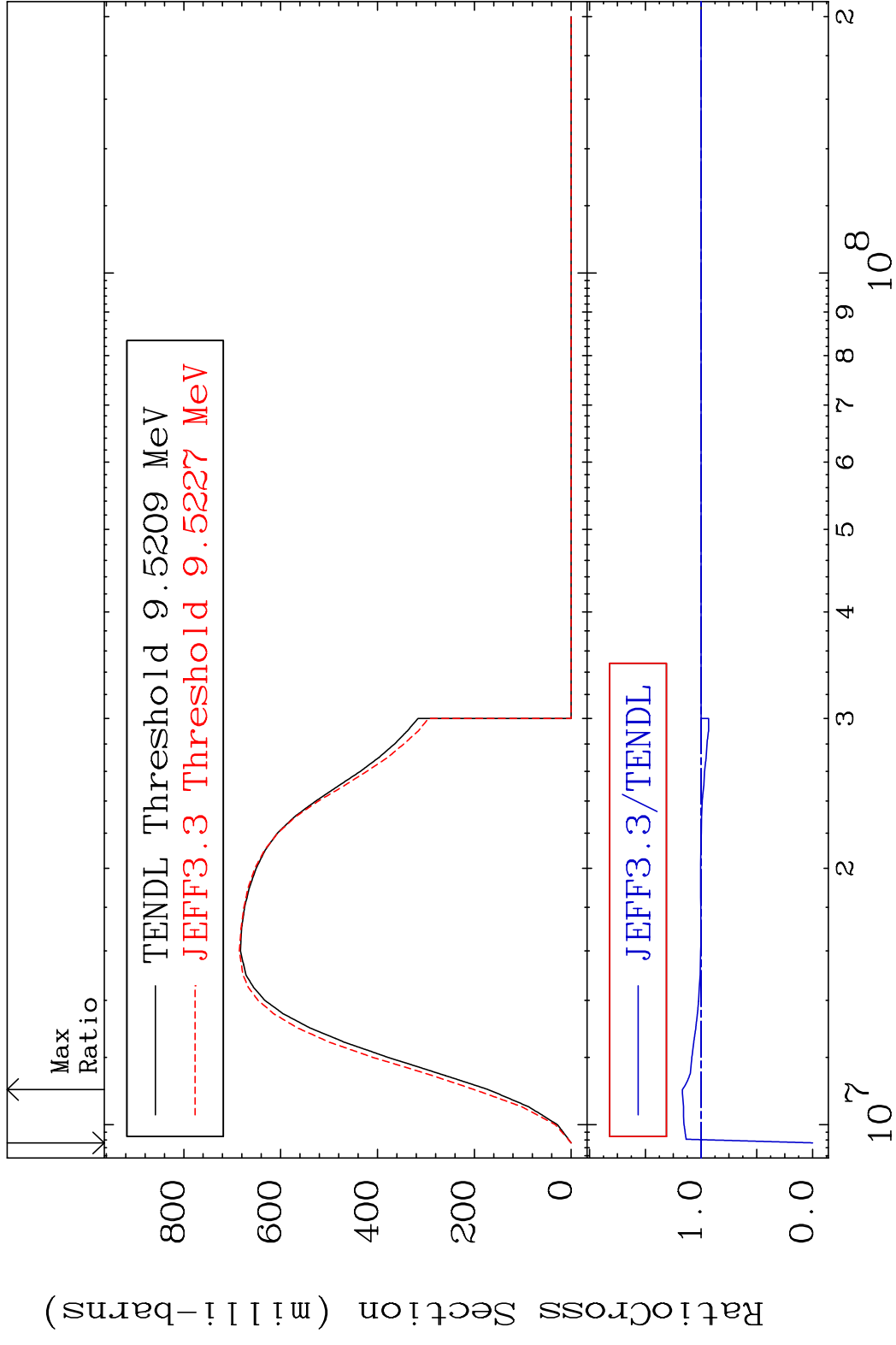


MAT 2325 (n,2n) d 23-V -50
 Cross Section -100.0 To 9999. %



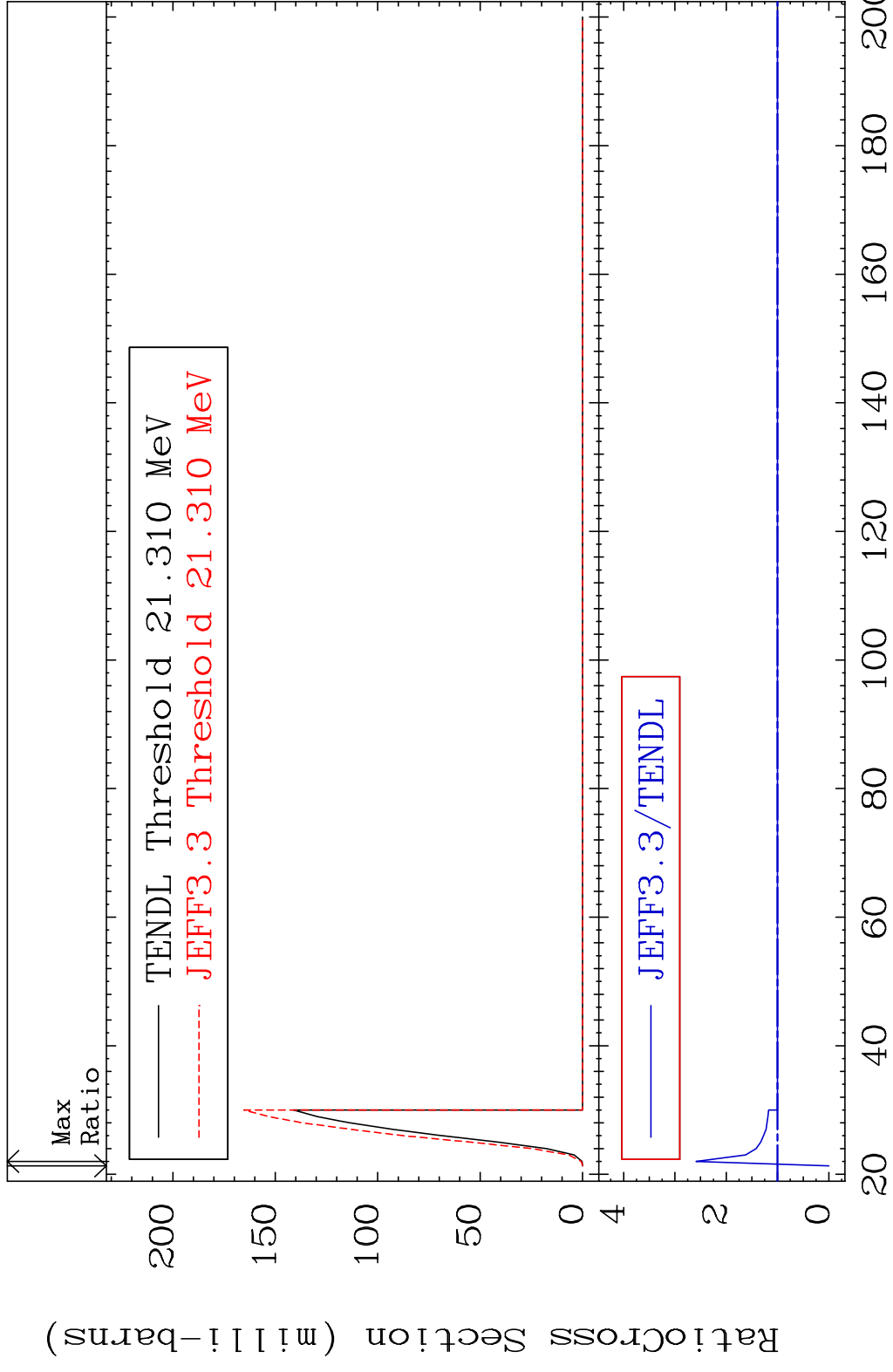
4 Incident Energy (MeV) 23-V -50

MAT 2325 (n,2n) 23-V -50
 Cross Section -100.0 To 16.79 %

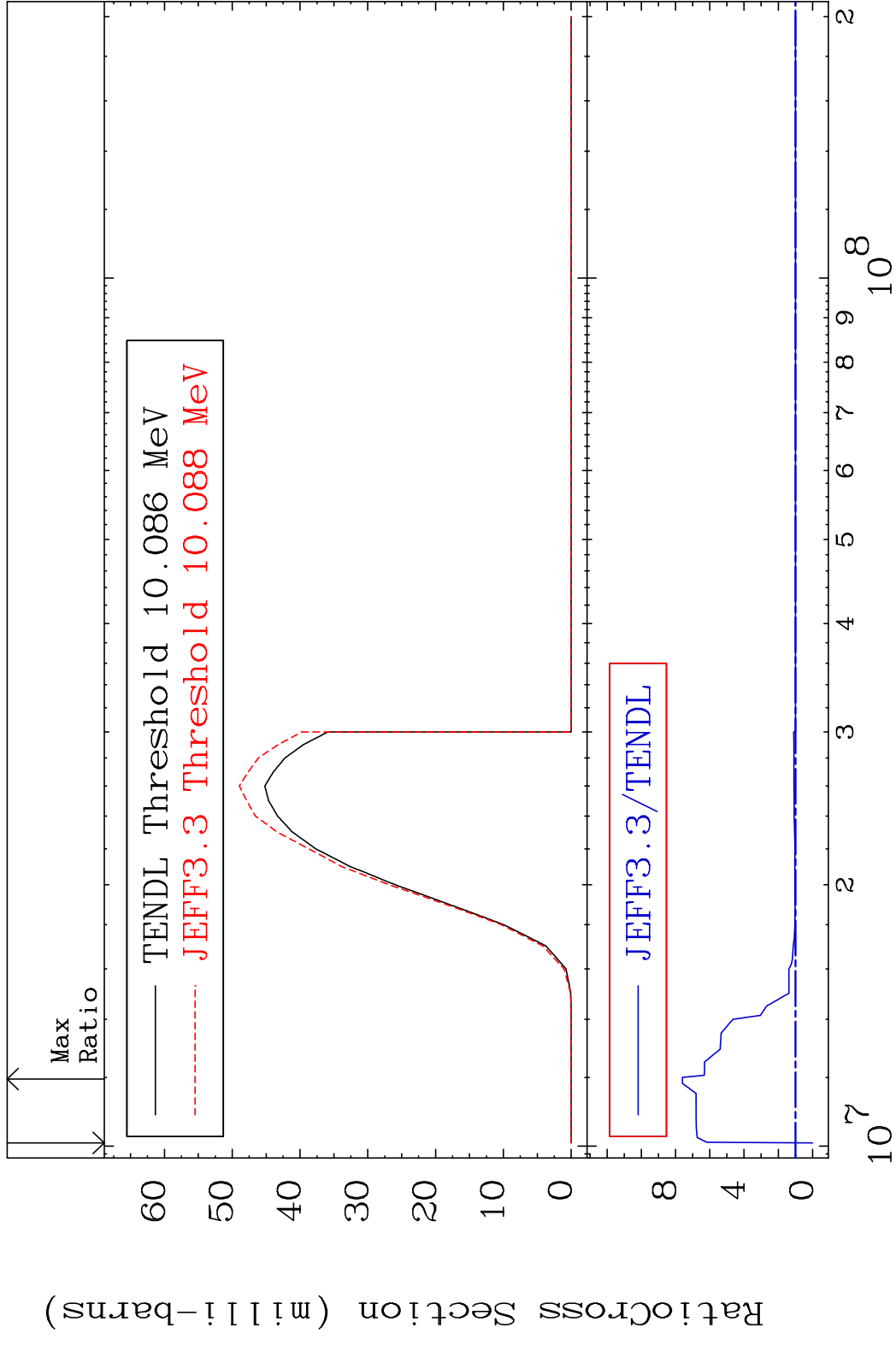


5 23-V -50

MAT 2325 (n,3n) 23-V -50
 Cross Section -100.0 To 158.9 %

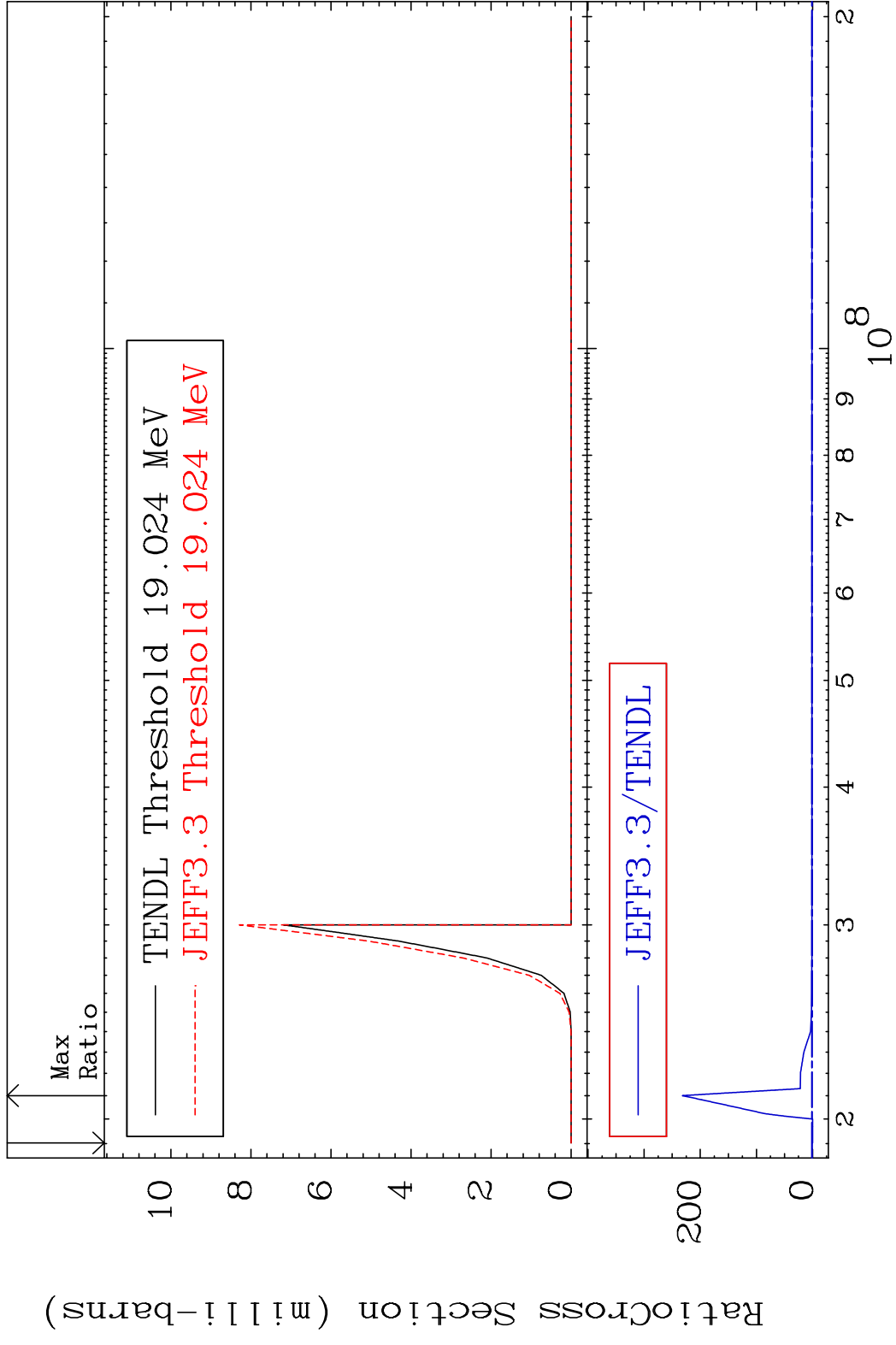


MAT 2325 (n, n') α 23-V -50
 Cross Section -100.0 To 660.2 %



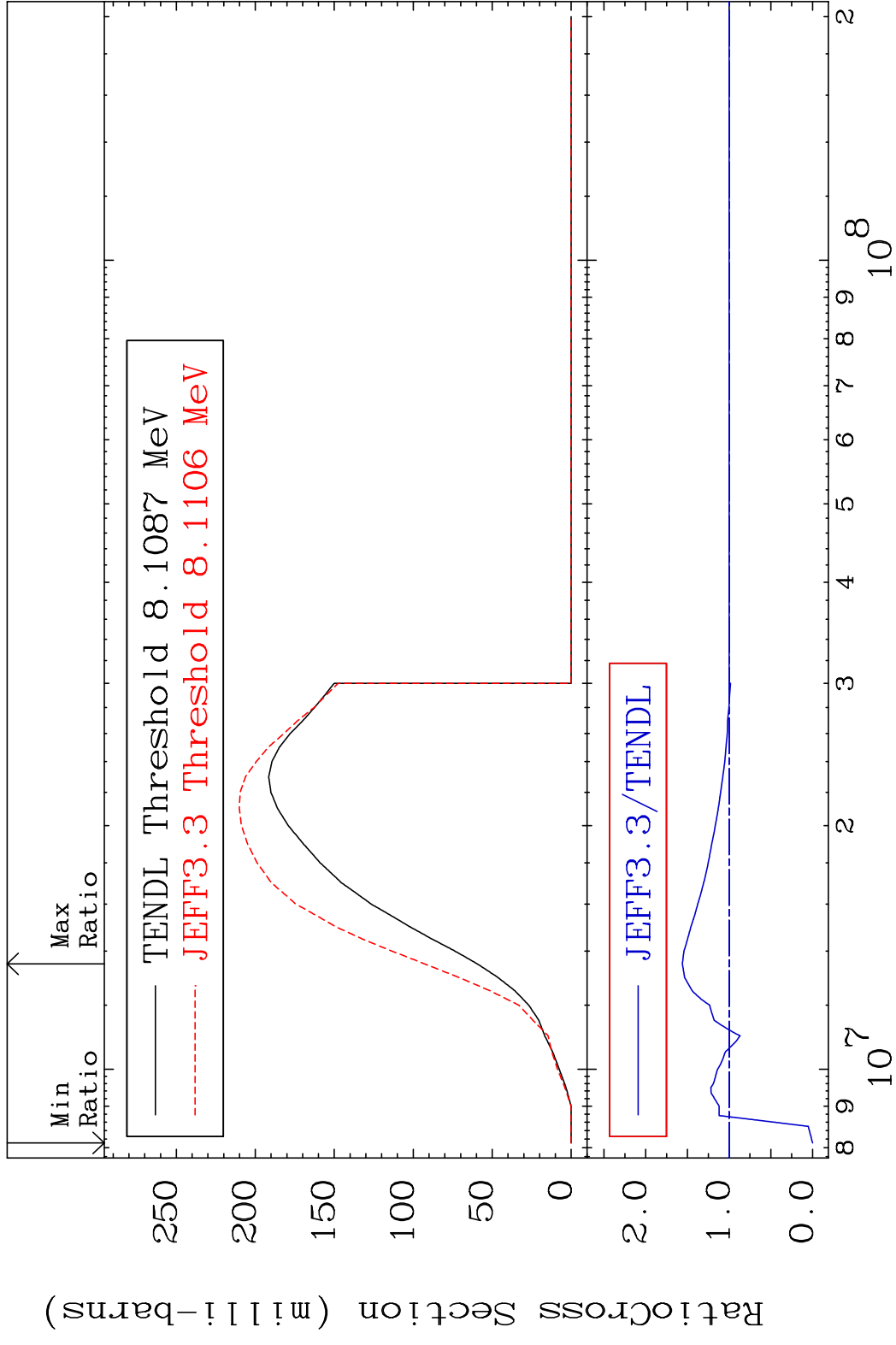
7 Incident Energy (eV) 23-V -50

MAT 2325 (n,2n) α 23-V -50
 Cross Section -100.0 To 9999. %



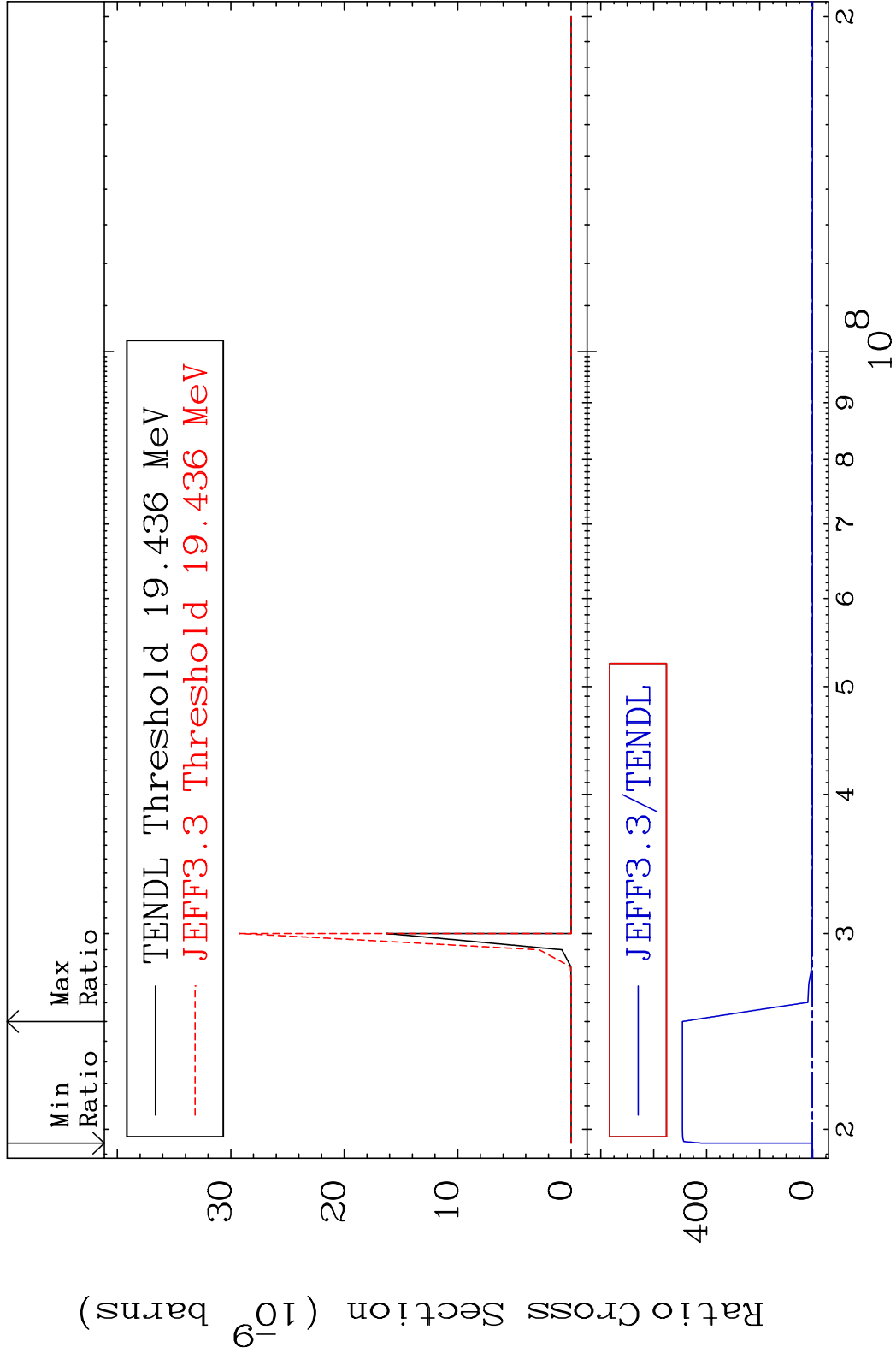
8 2 3 4 5 6 7 8 9 10⁸ 2

MAT 2325 (n, n') p 23-V -50
 Cross Section -100.0 To 56.11 %



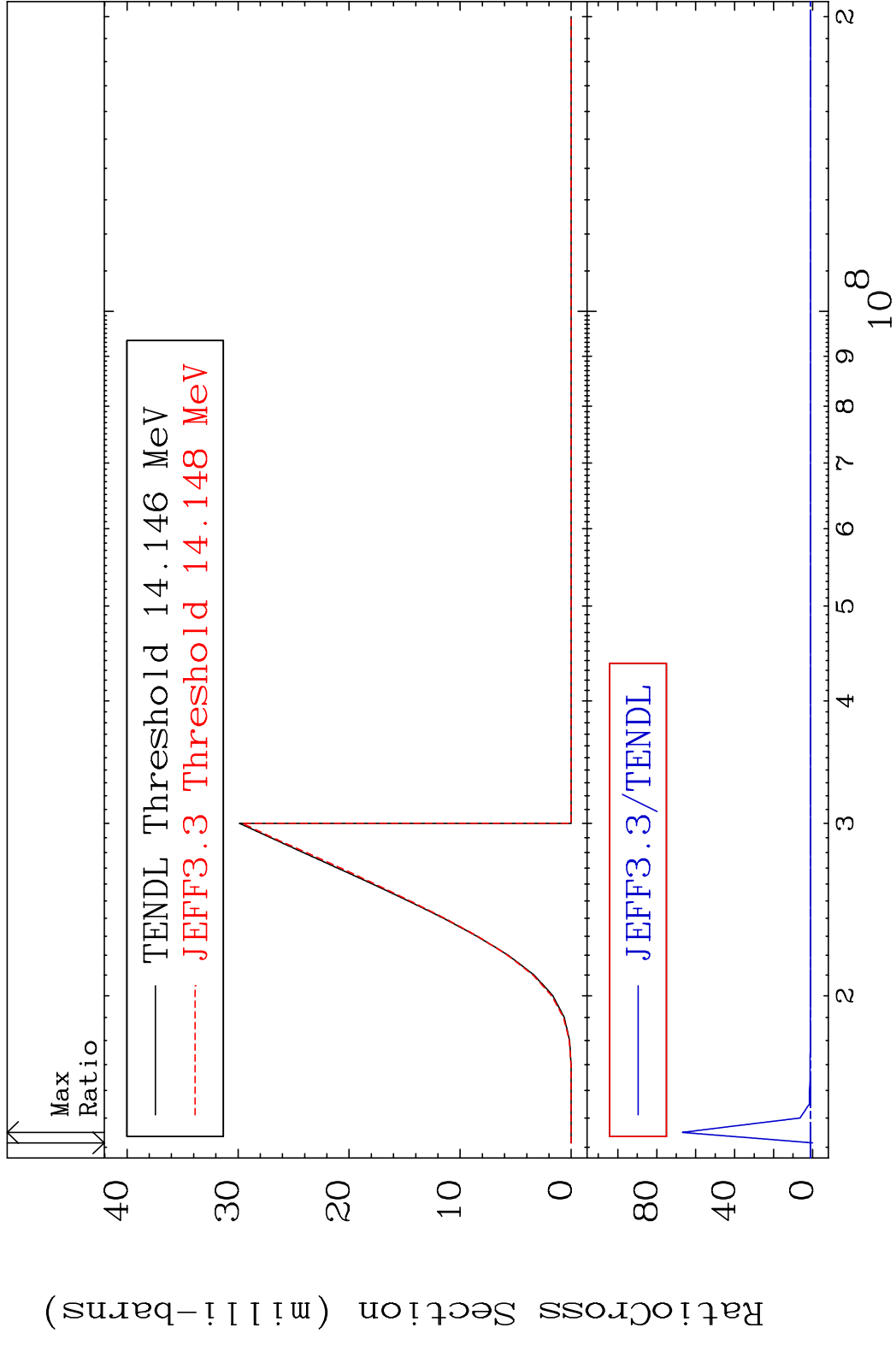
9 9 Incident Energy (eV) 23-V -50

MAT 2325 (n, n') 2α 23-V -50
 Cross Section -100.0 To 9999. %

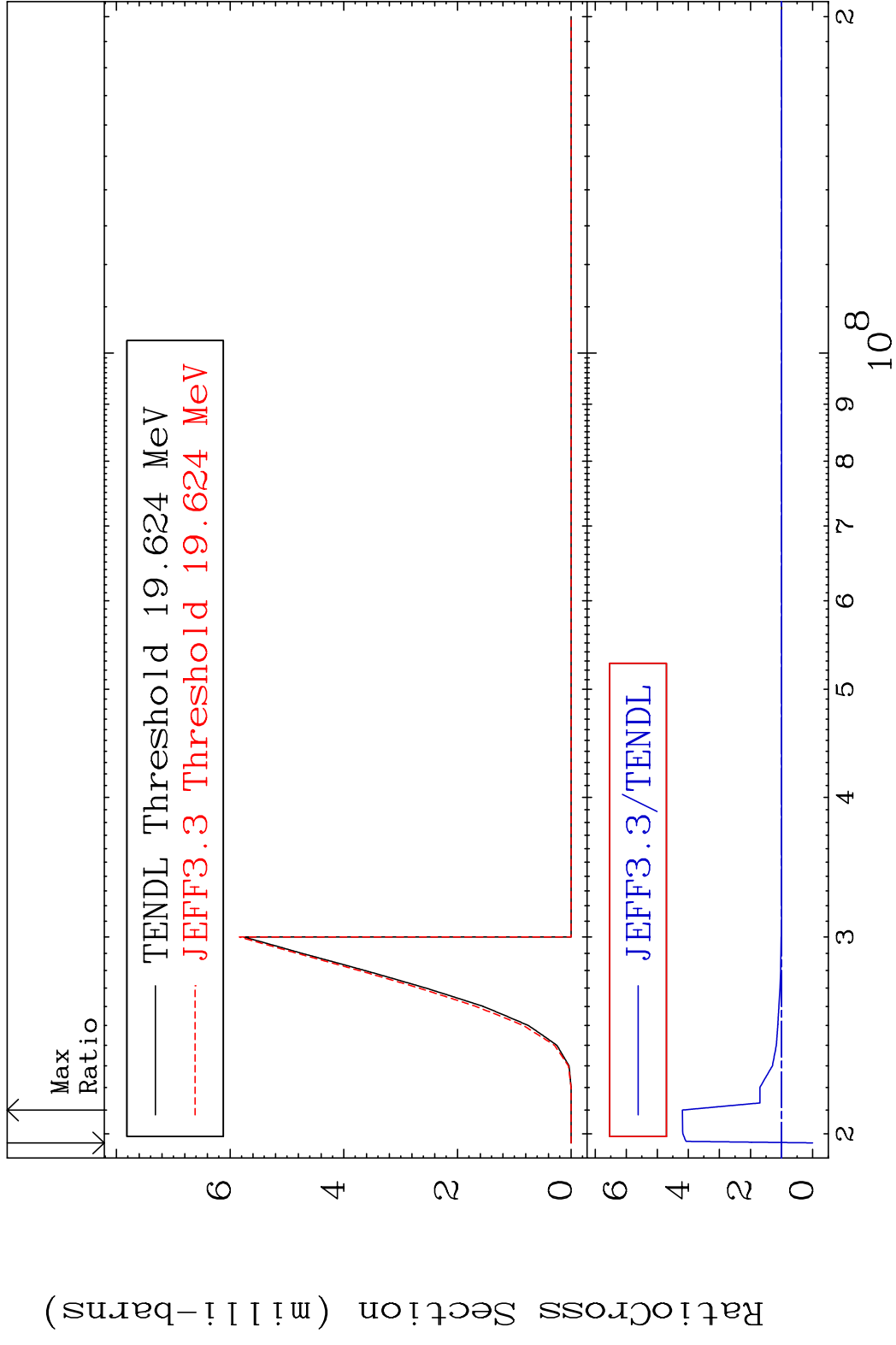


10 Incident Energy (eV) 23-V -50

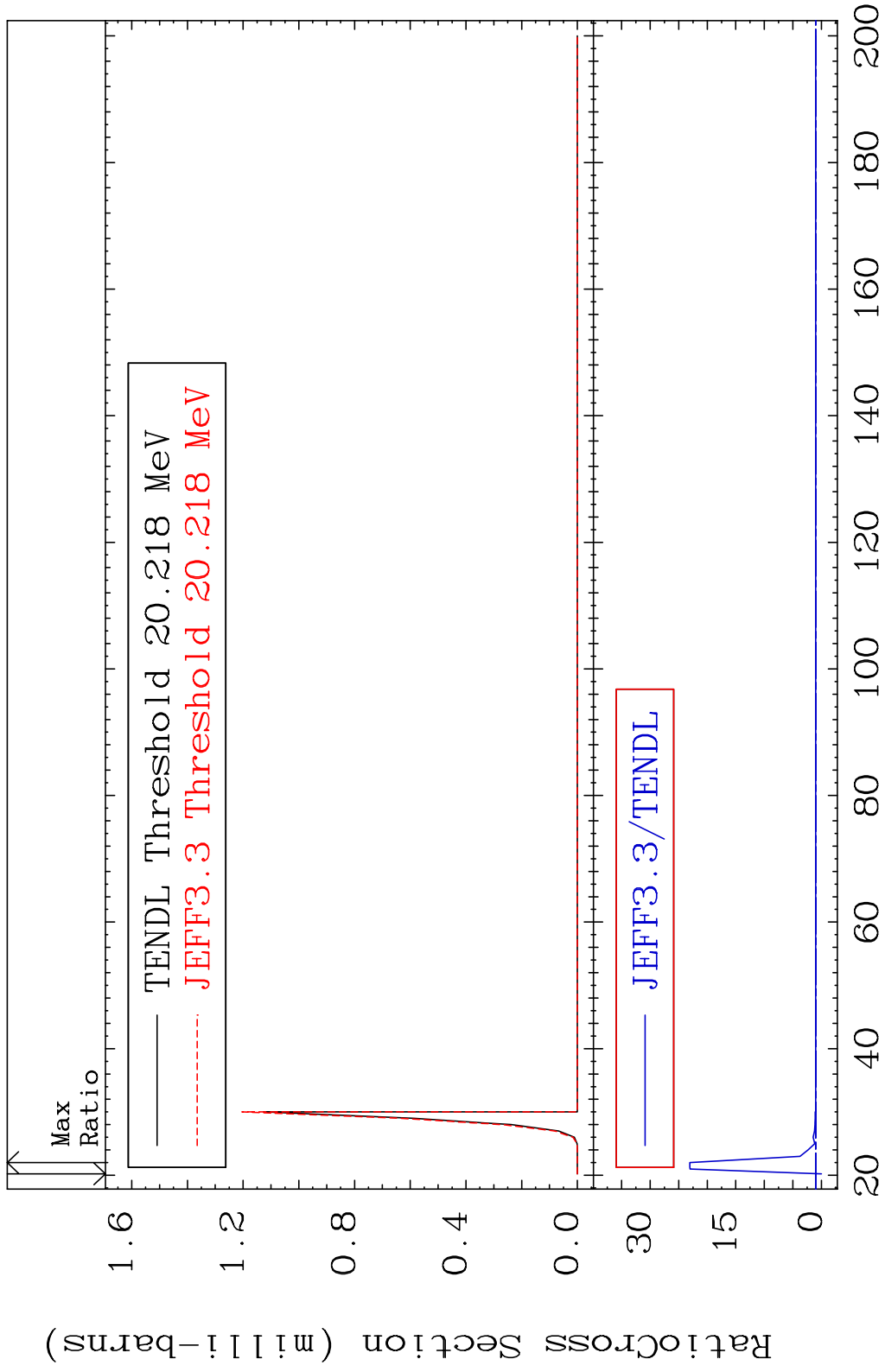
MAT 2325 (n, n') d 23-V -50
 Cross Section -100.0 To 6585. %



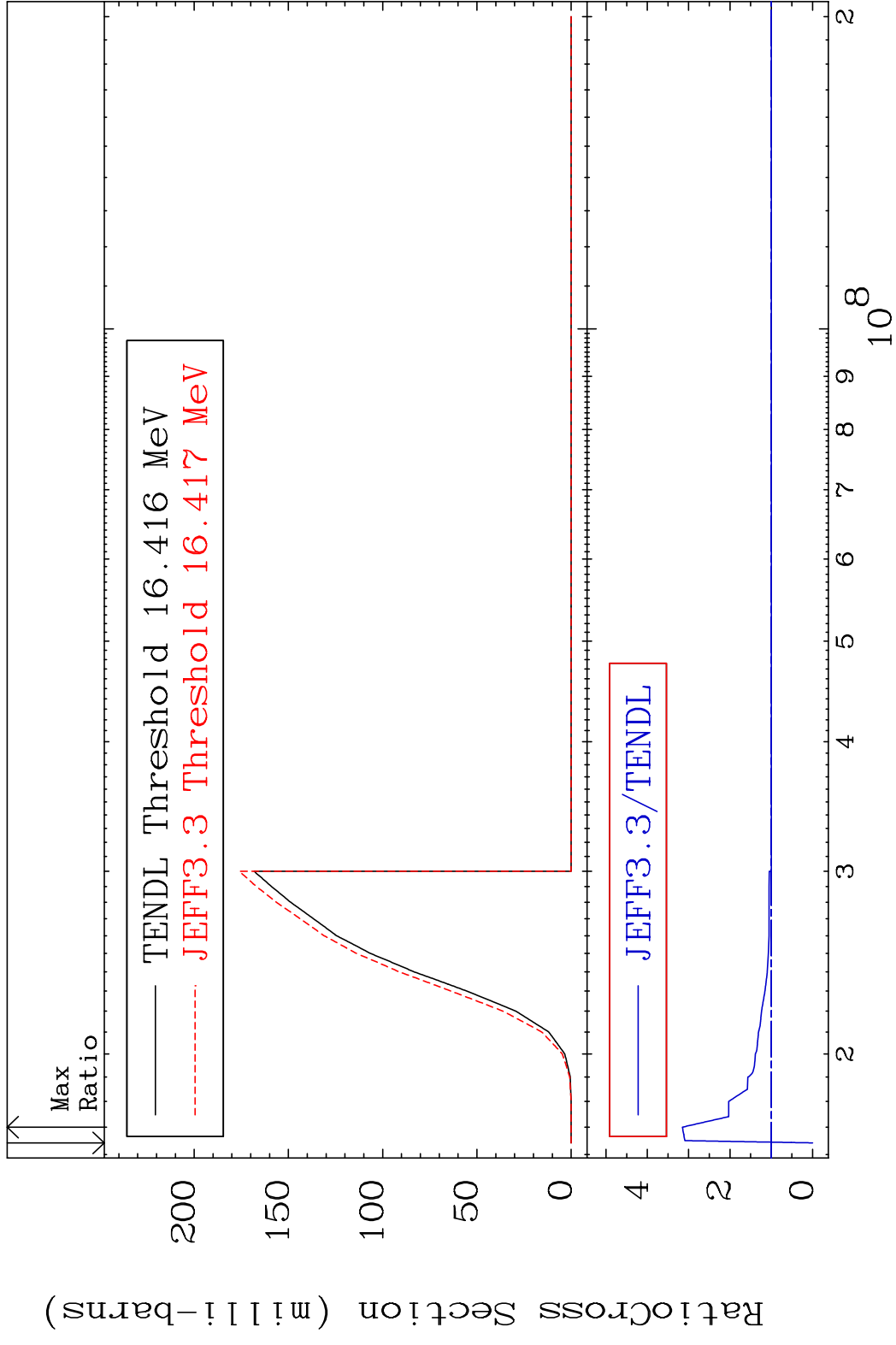
MAT 2325 (n, n') t 23-V -50
 Cross Section -100.0 To 319.5 %



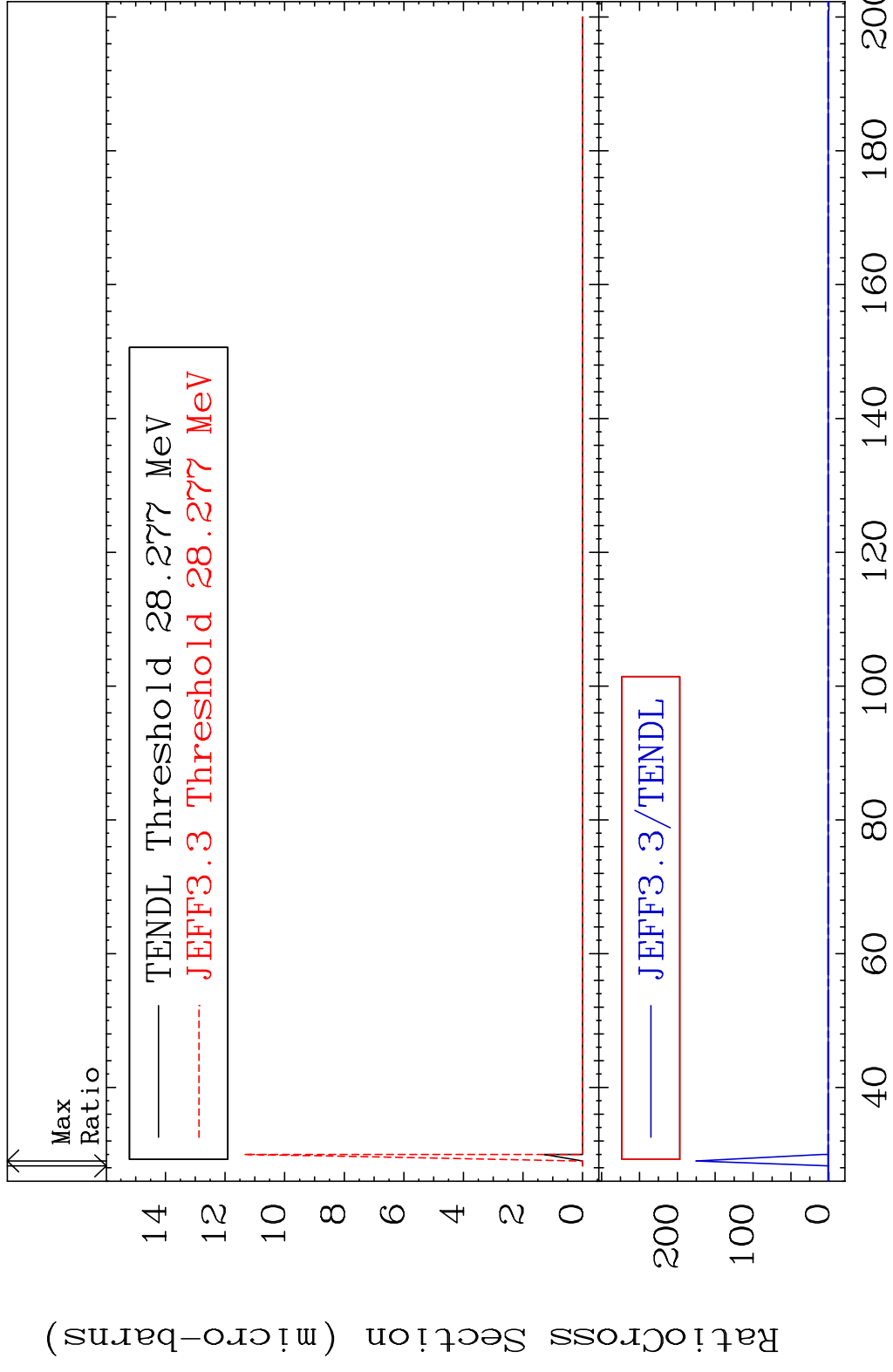
MAT 2325 (n,n') He-3 23-V -50
 Cross Section -100.0 To 2206. %



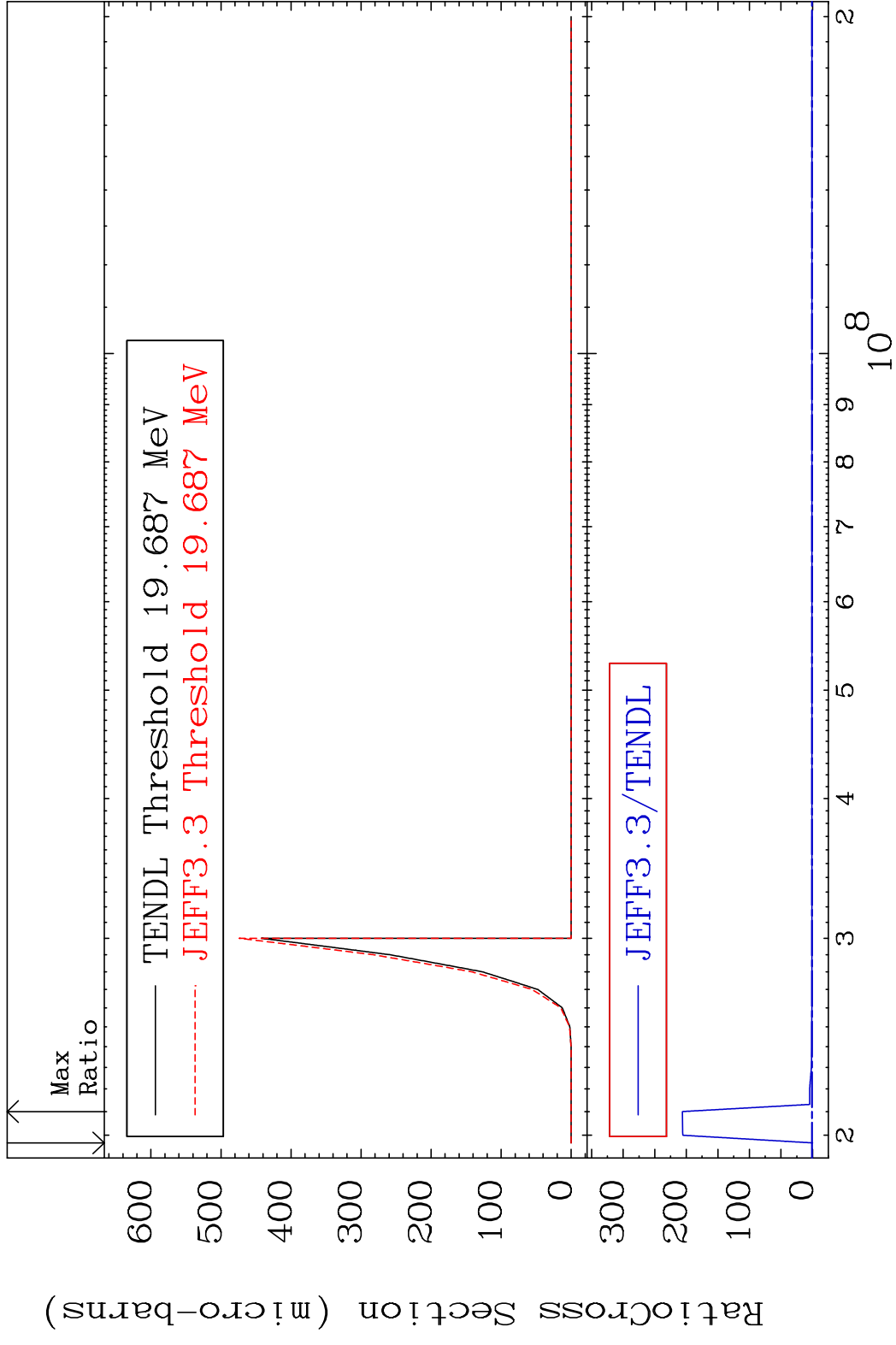
MAT 2325 (n,2n) p 23-V -50
 Cross Section -100.0 To 215.2 %



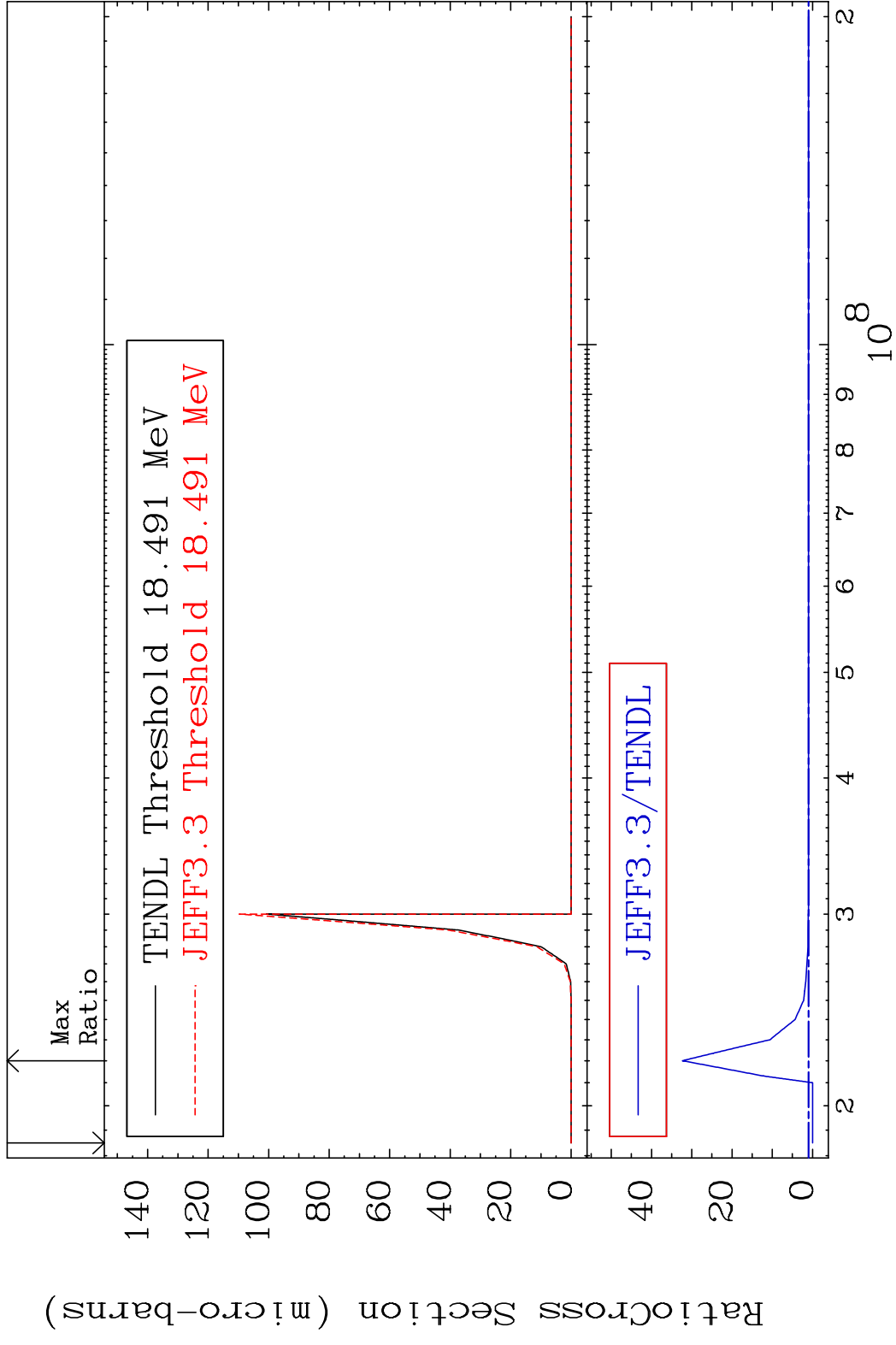
MAT 2325 (n,3n) p 23-V -50
 Cross Section -100.0 To 9999. %



MAT 2325 (n,2n) p 23-V -50
 Cross Section -100.0 To 9999. %

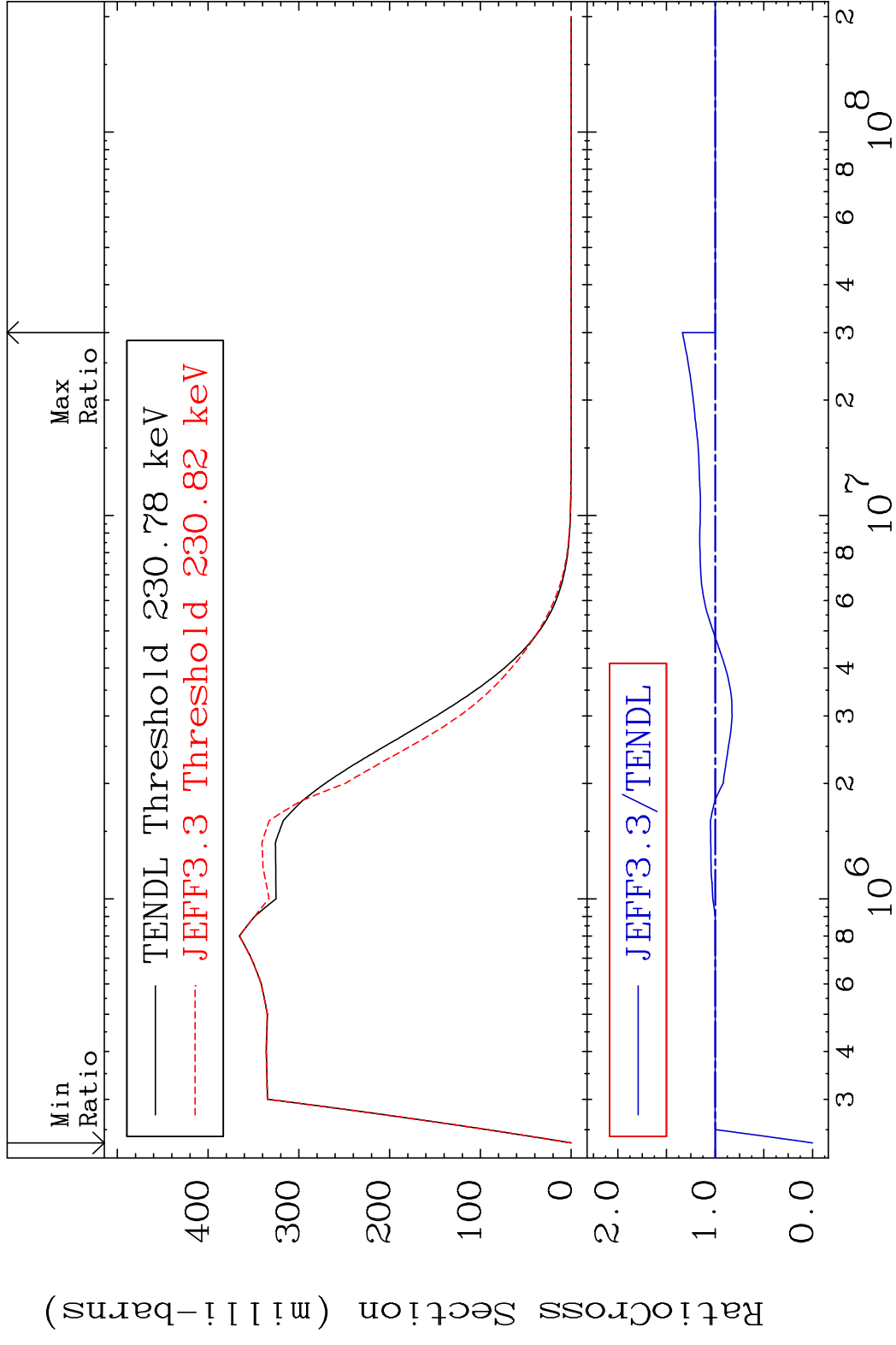


MAT 2325 (n,n') p α 23-V -50
 Cross Section -100.0 To 3134. %

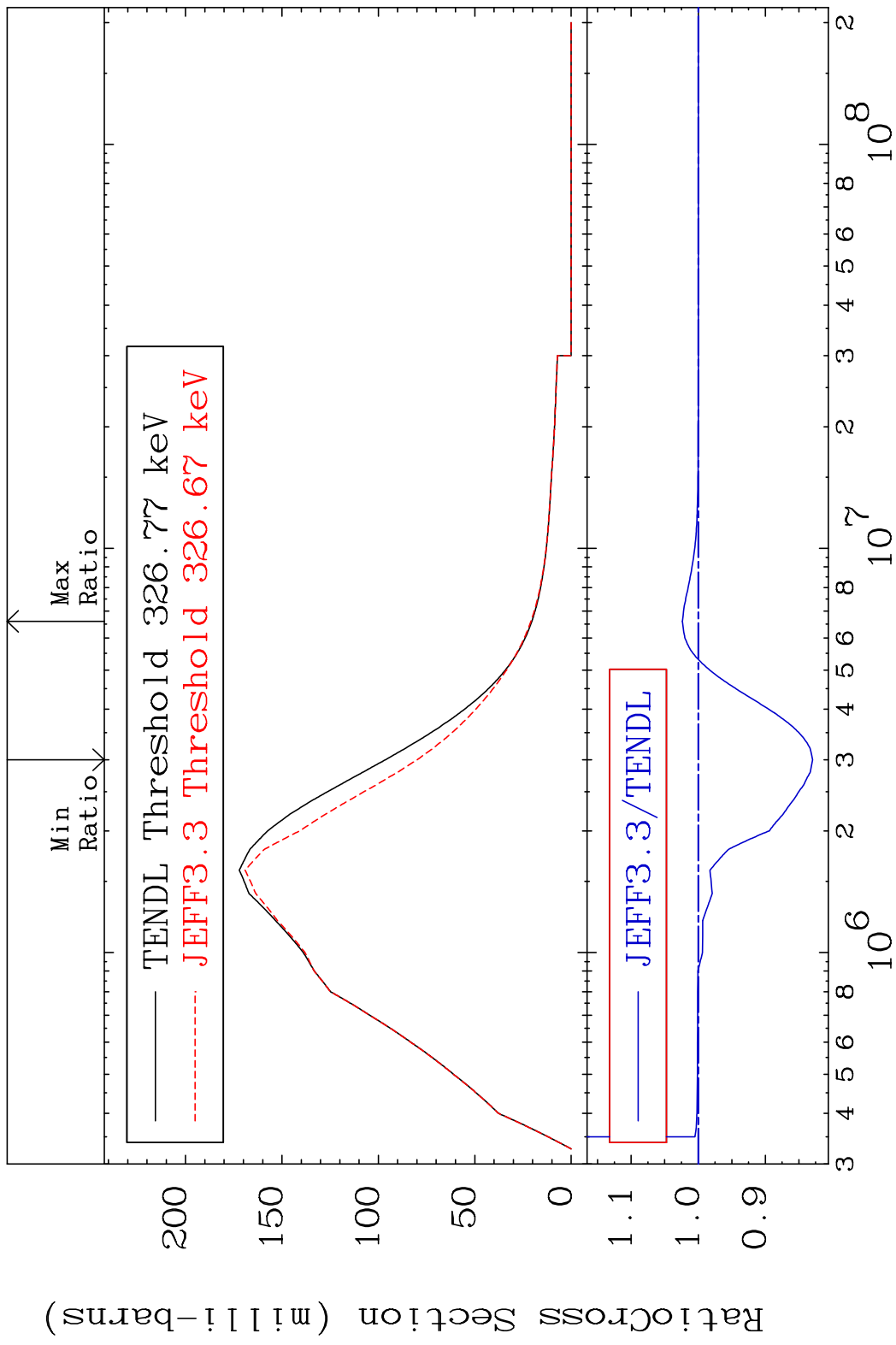


17 Incident Energy (eV) 23-V -50

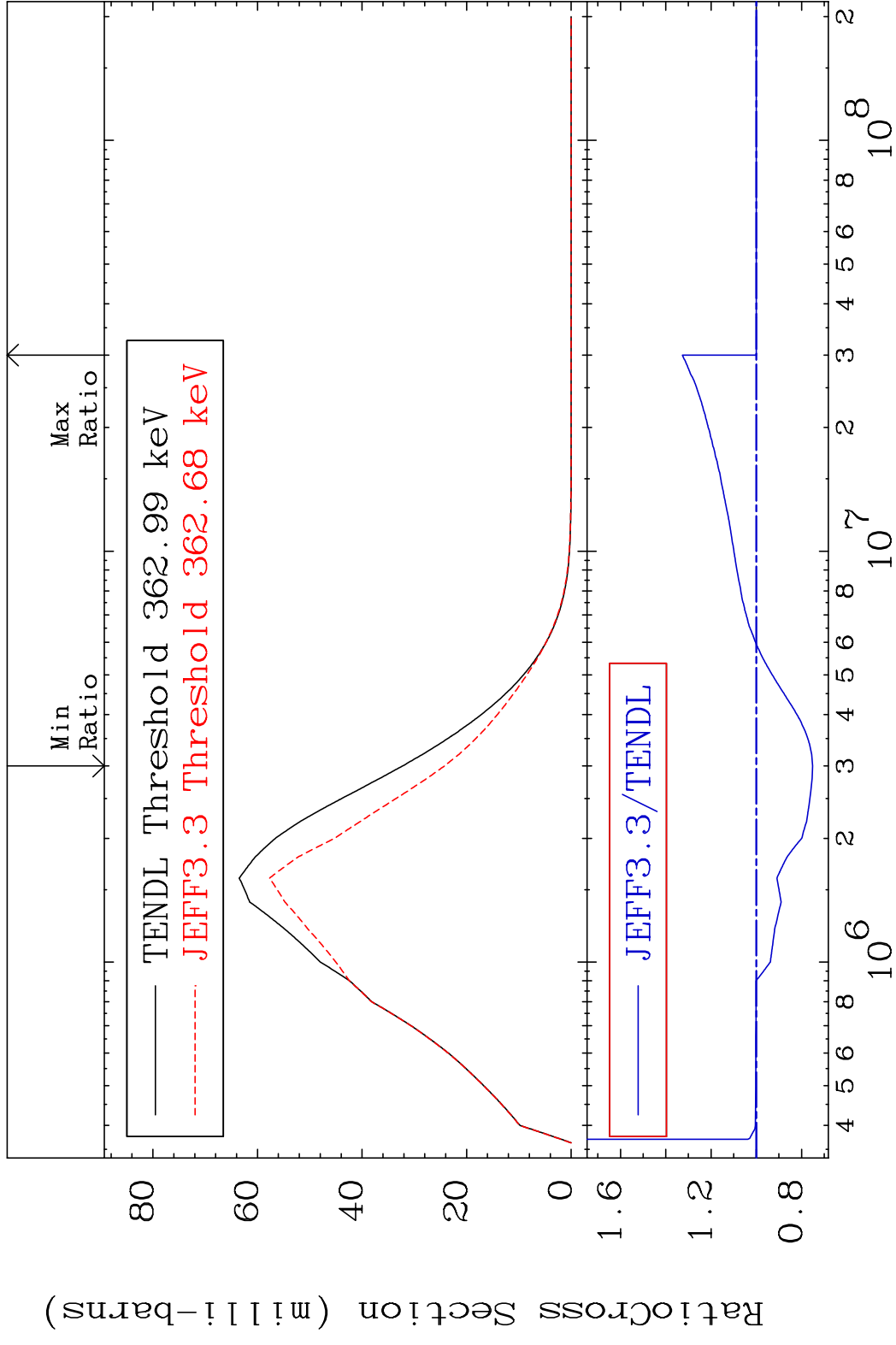
MAT 2325 MT= 51 (n,n') Level 23-V -50
 Cross Section -100.0 To 33.70 %



MAT 2325 MT= 52 (n, n') Level 23-V -50
 Cross Section -17.03 To 2.370 %

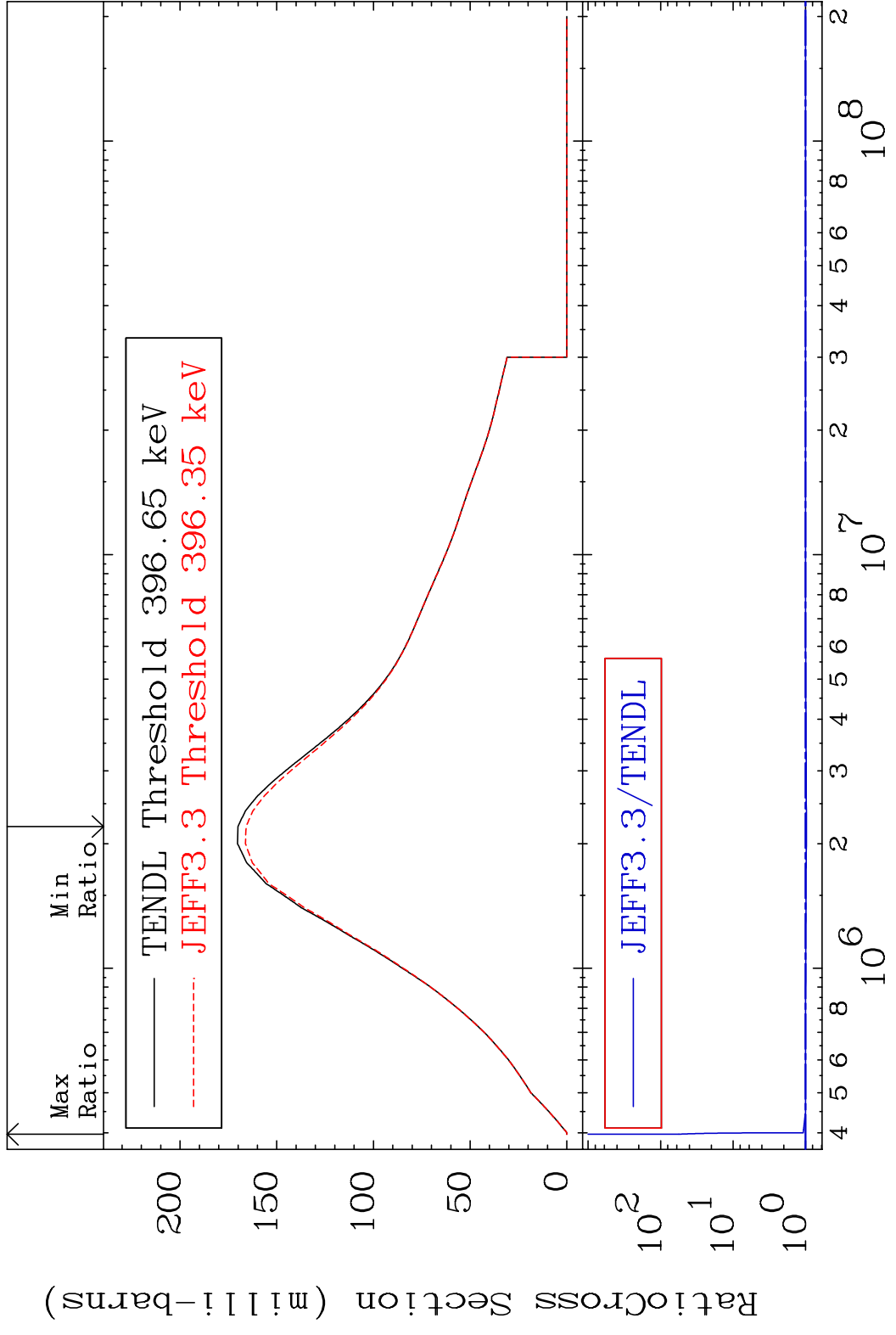


MAT 2325 MT= 53 (n, n') Level 23-V -50
 Cross Section -24.85 To 32.67 %

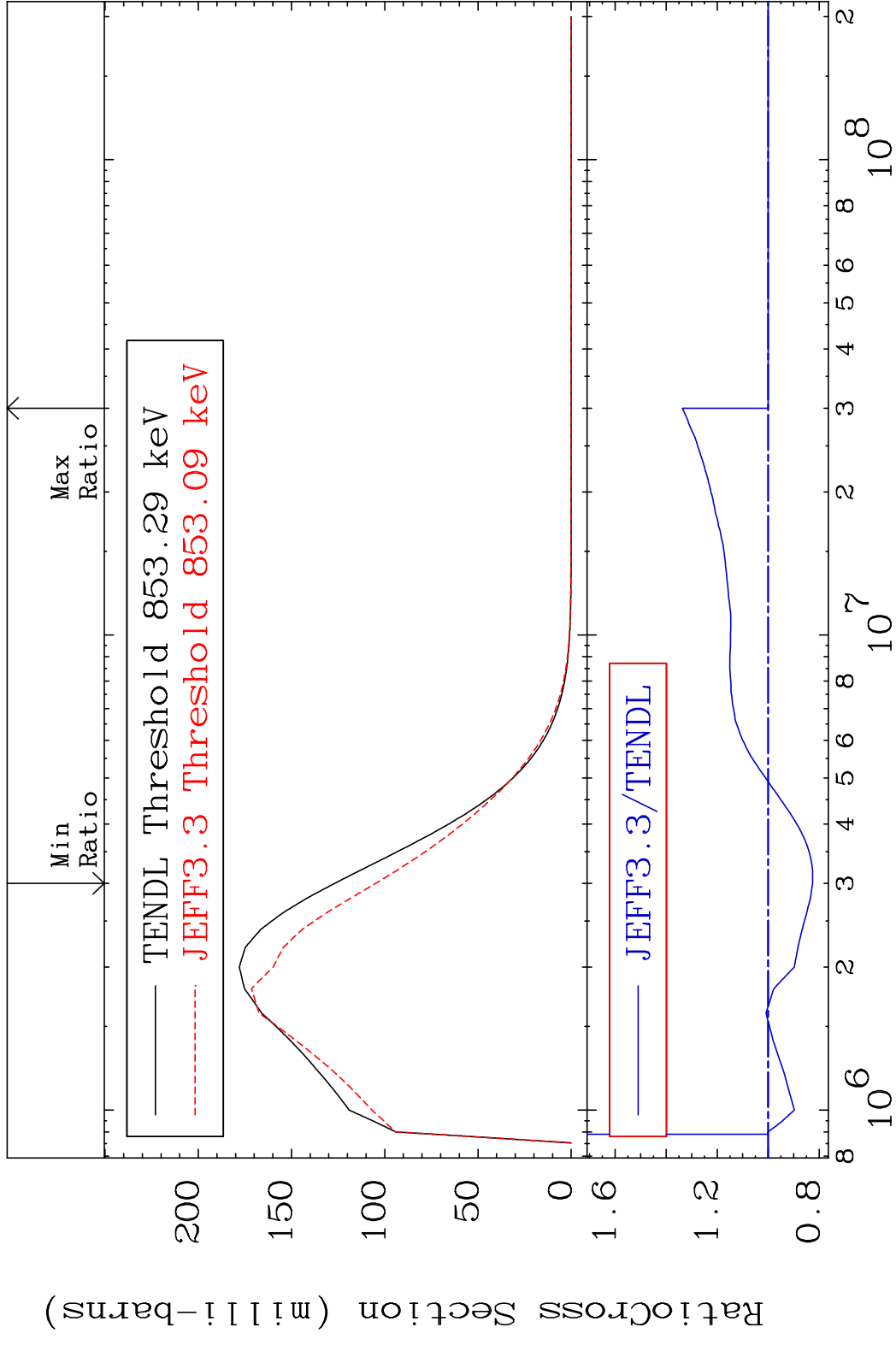


20 Incident Energy (eV) 23-V -50

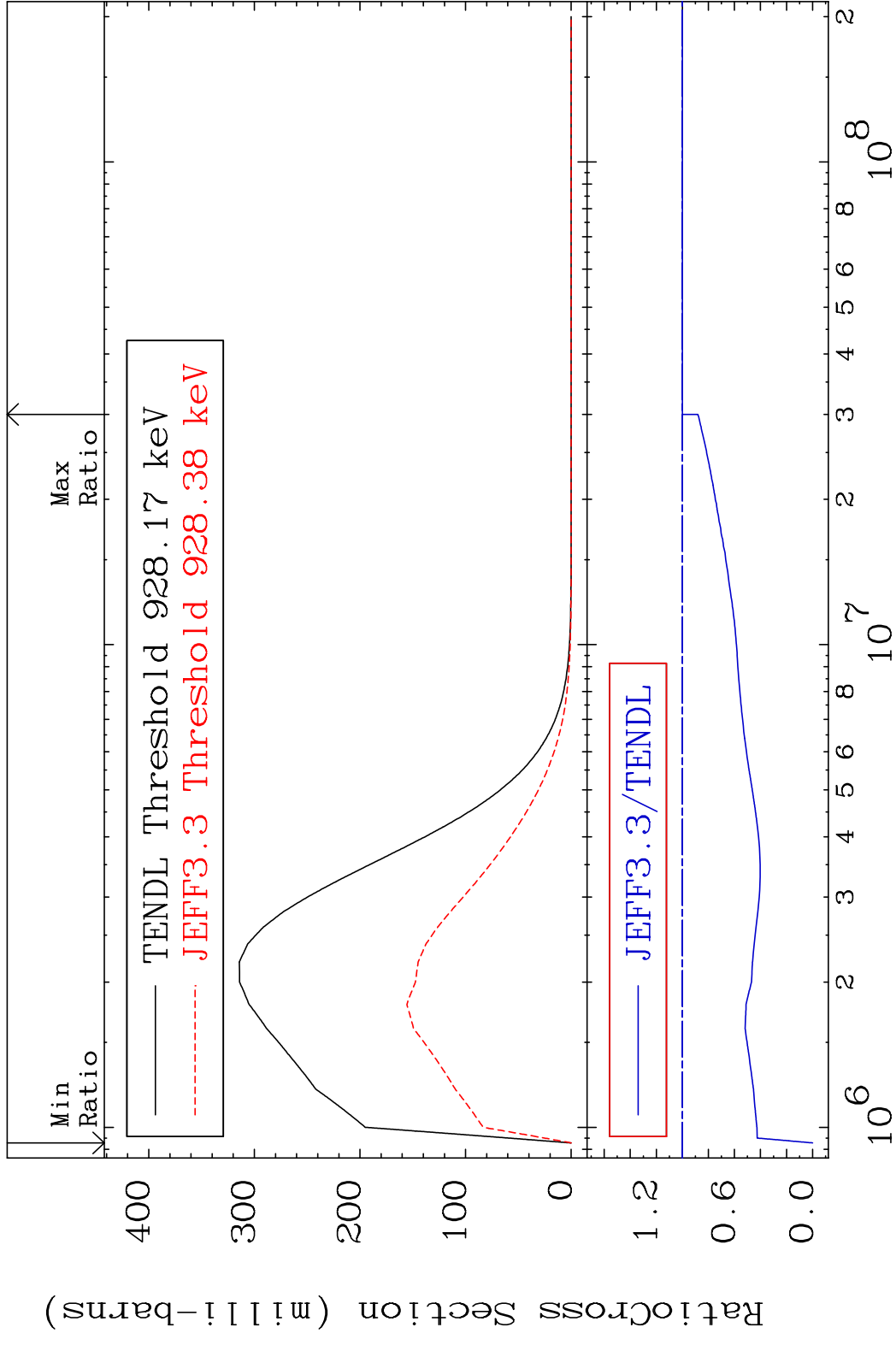
MAT 2325 MT= 54 (n,n') Level 23-V -50
 Cross Section -2.476 To 5812. %



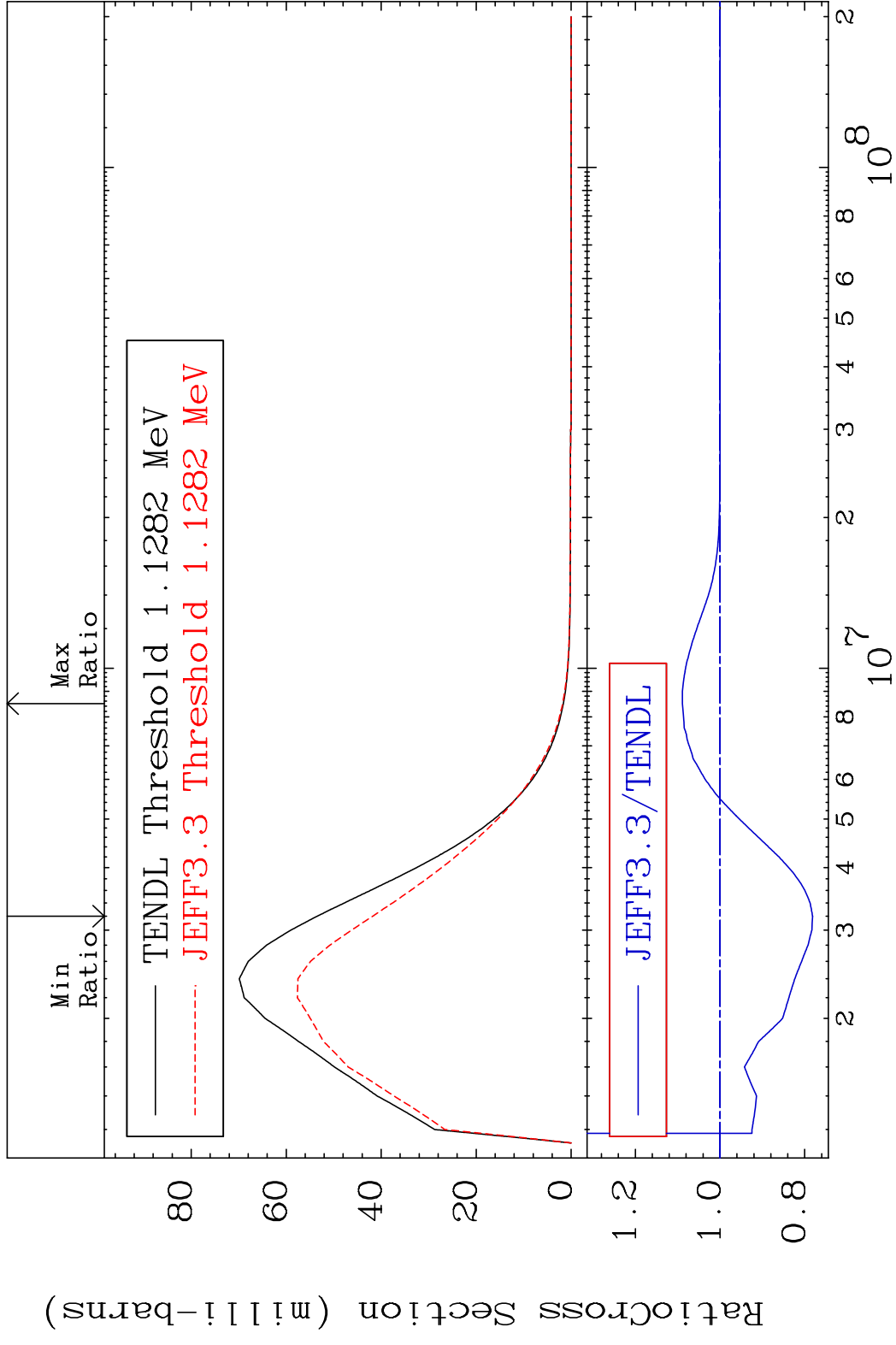
MAT 2325 MT= 55 (n, n') Level 23-V -50
 Cross Section -17.38 To 33.65 %



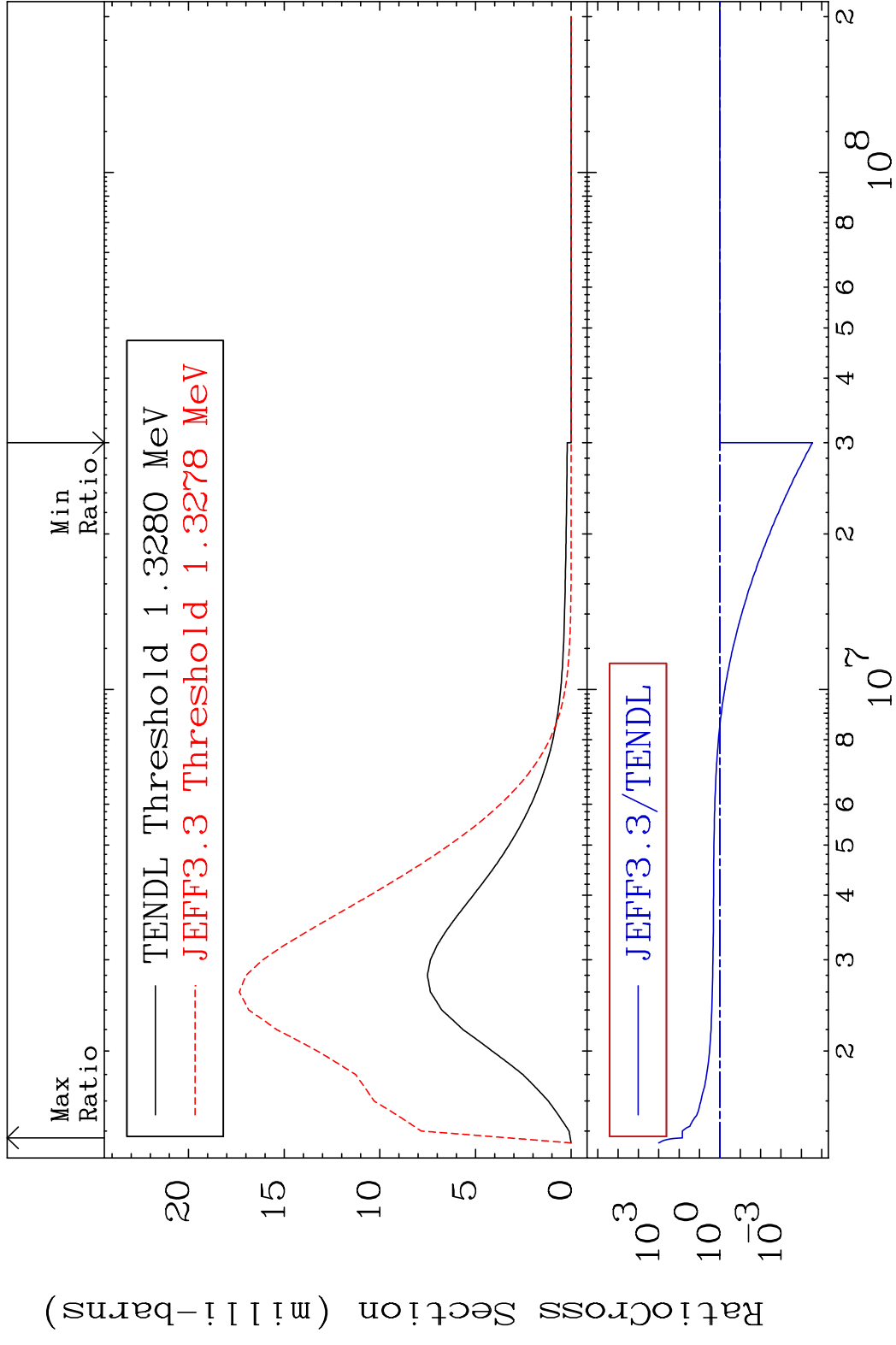
MAT 2325 MT= 56 (n, n') Level 23-V -50
 Cross Section -100.0 To 0.000 %



MAT 2325 MT= 57 (n, n') Level 23-V -50
 Cross Section -21.85 To 8.893 %

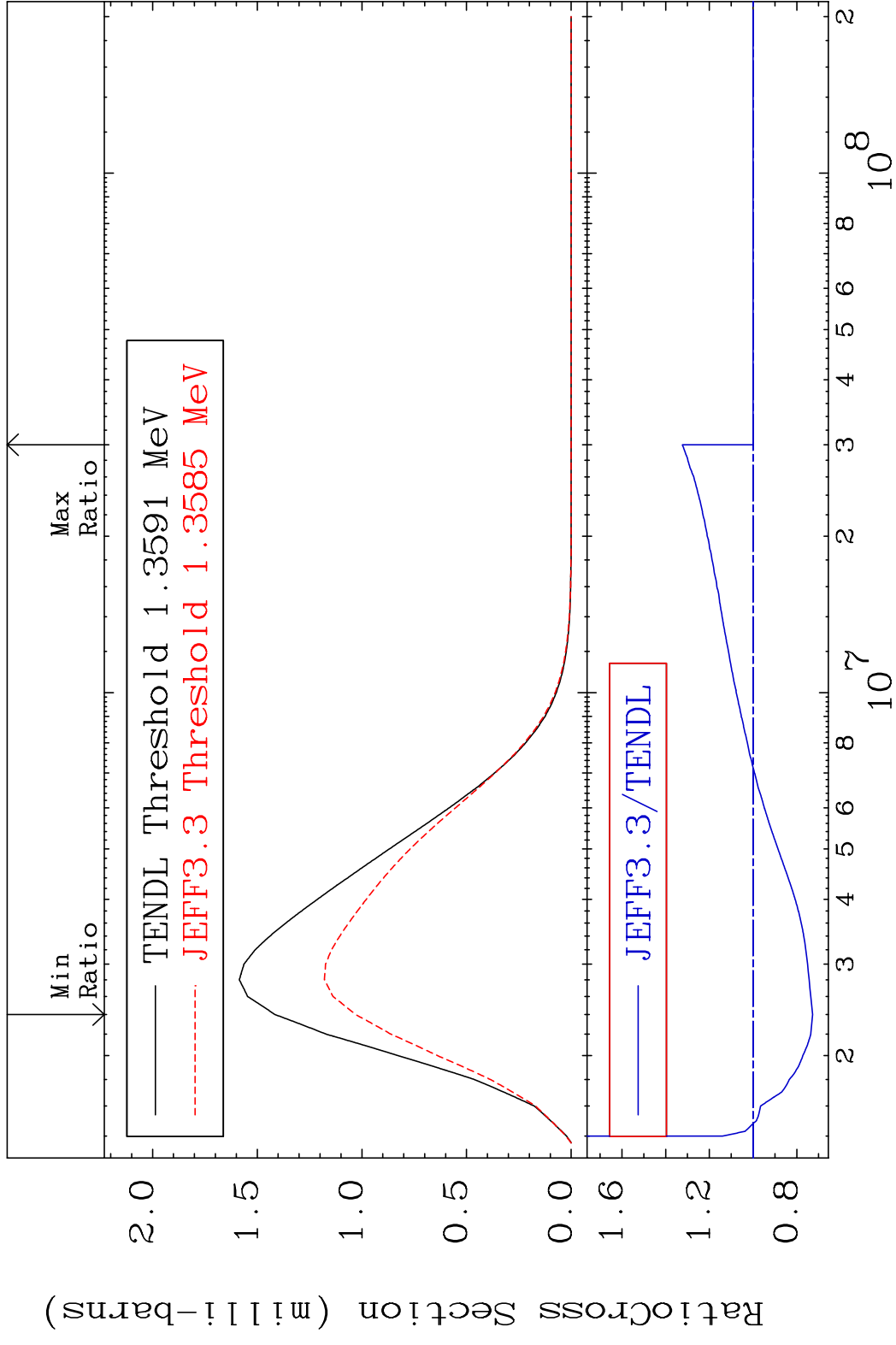


MAT 2325 MT= 58 (n, n') Level 23-V -50
 Cross Section -100.0 To 6861. %

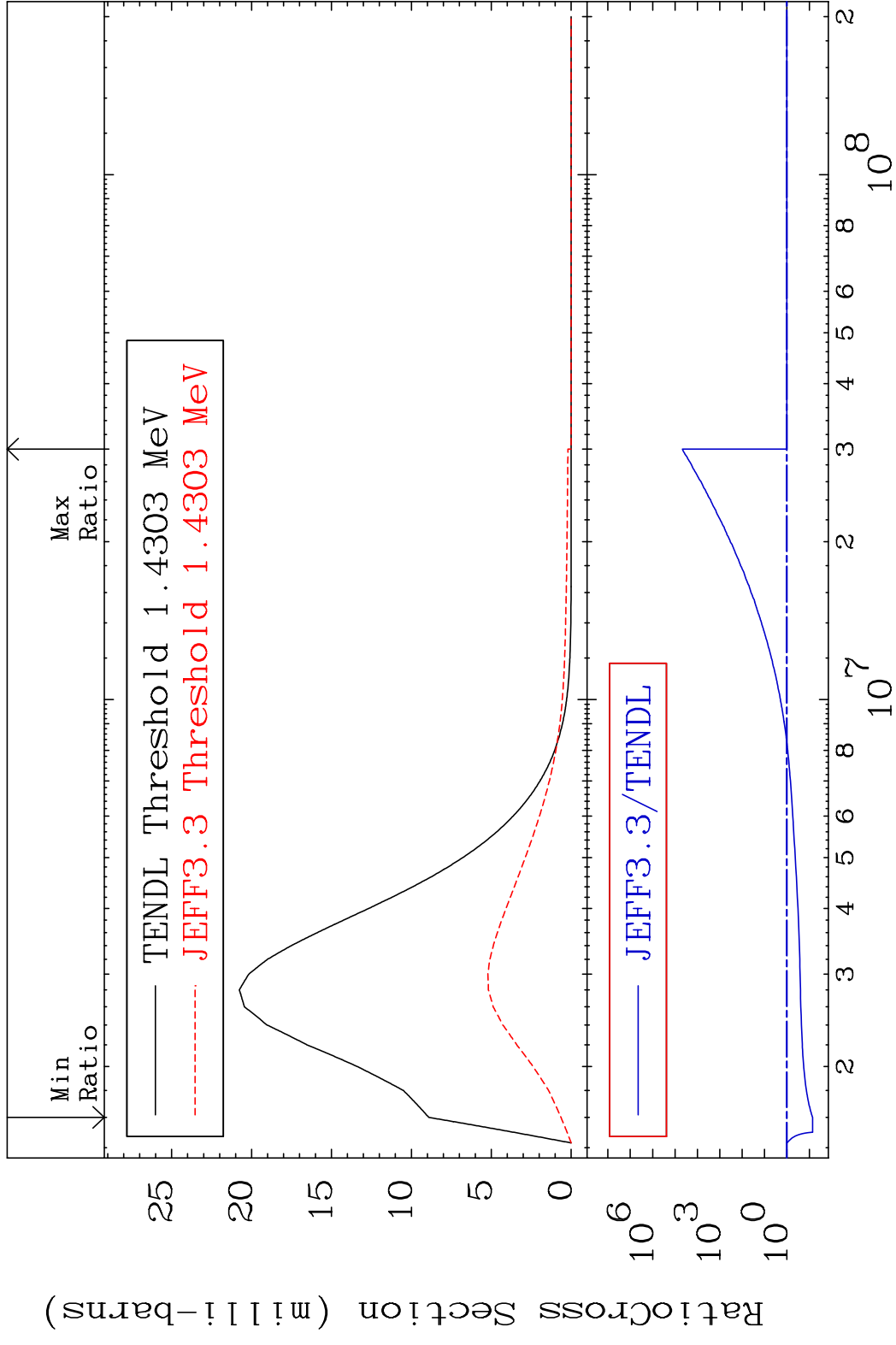


25 Incident Energy (eV) 23-V -50

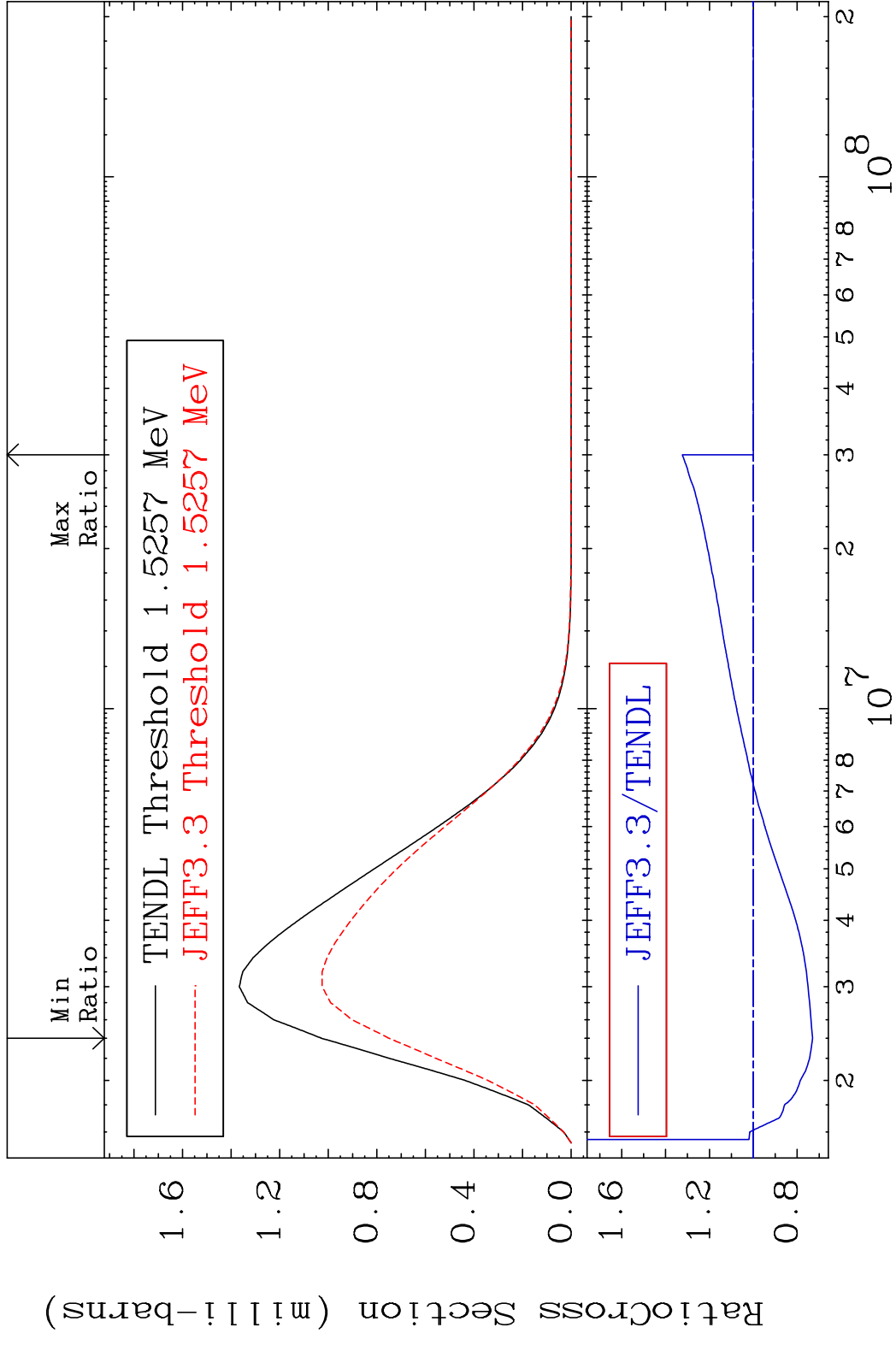
MAT 2325 MT= 59 (n, n') Level 23-V -50
 Cross Section -27.22 To 32.35 %



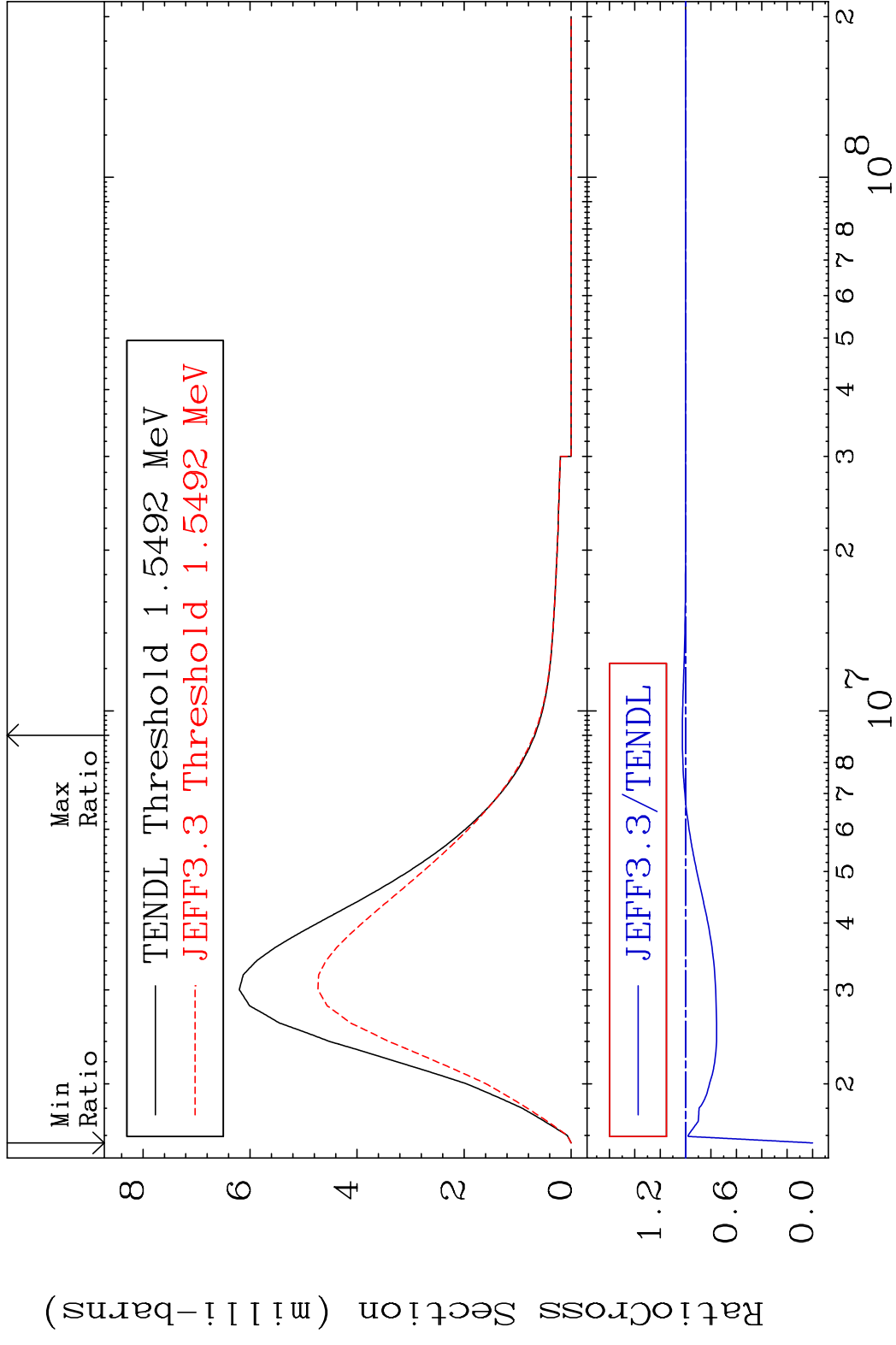
MAT 2325 MT= 60 (n,n') Level 23-V -50
 Cross Section -92.84 To 9999. %



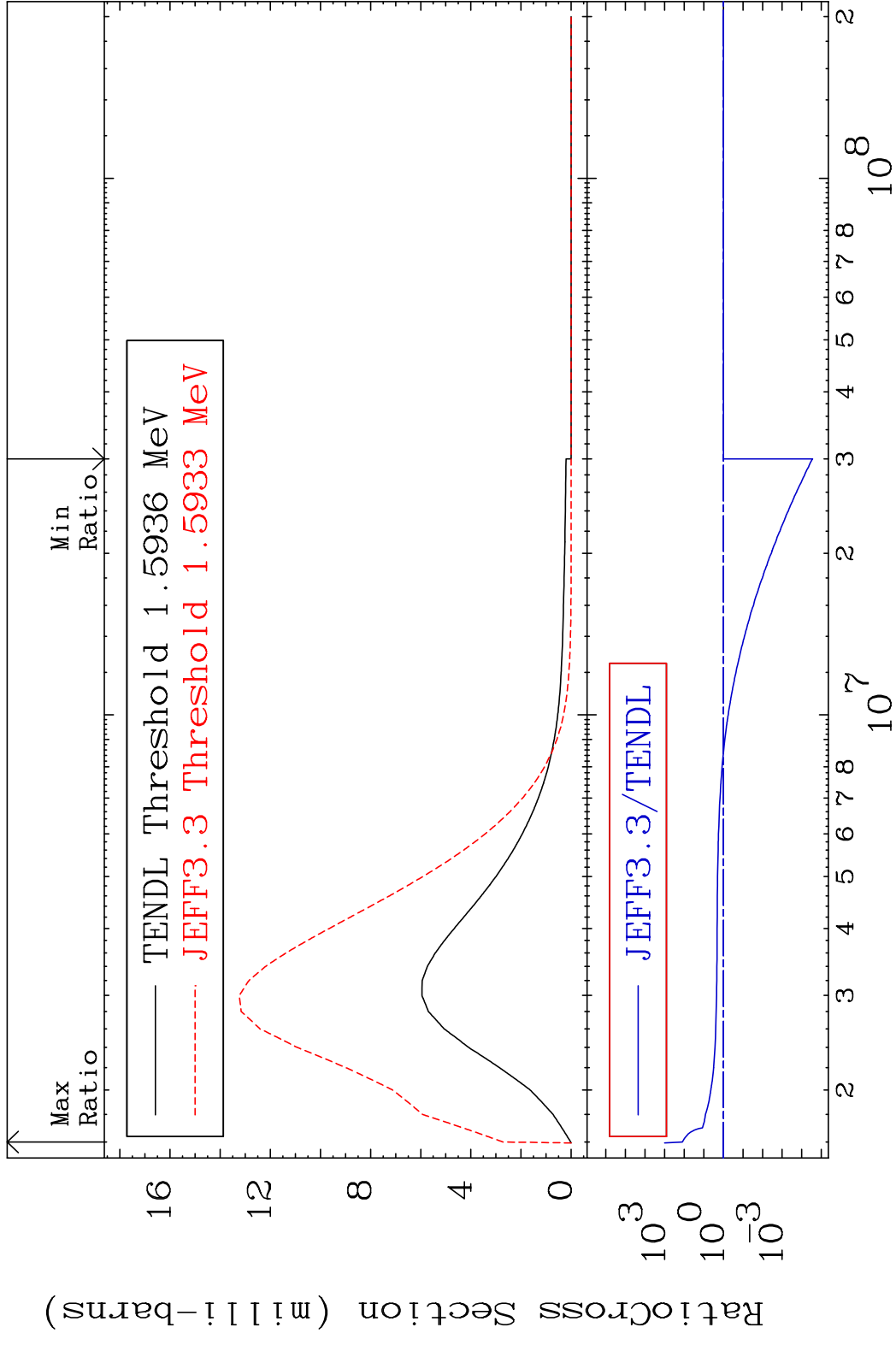
MAT 2325 MT= 61 (n,n') Level 23-V -50
 Cross Section -26.99 To 32.35 %



MAT 2325 MT= 62 (n,n') Level 23-V -50
 Cross Section -100.0 To 2.548 %

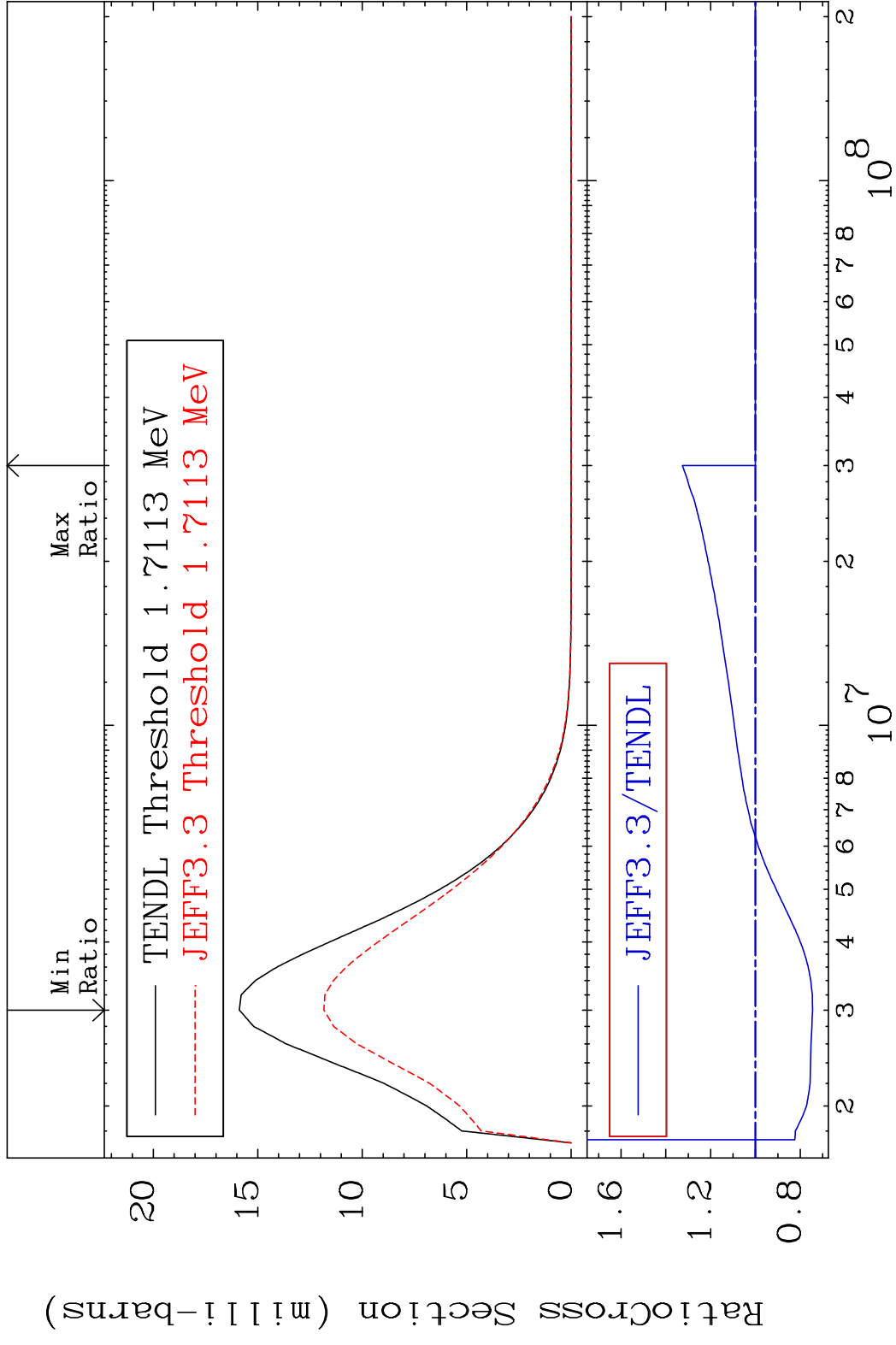


MAT 2325 MT= 63 (n, n') Level 23-V -50
 Cross Section -100.0 To 9999. %

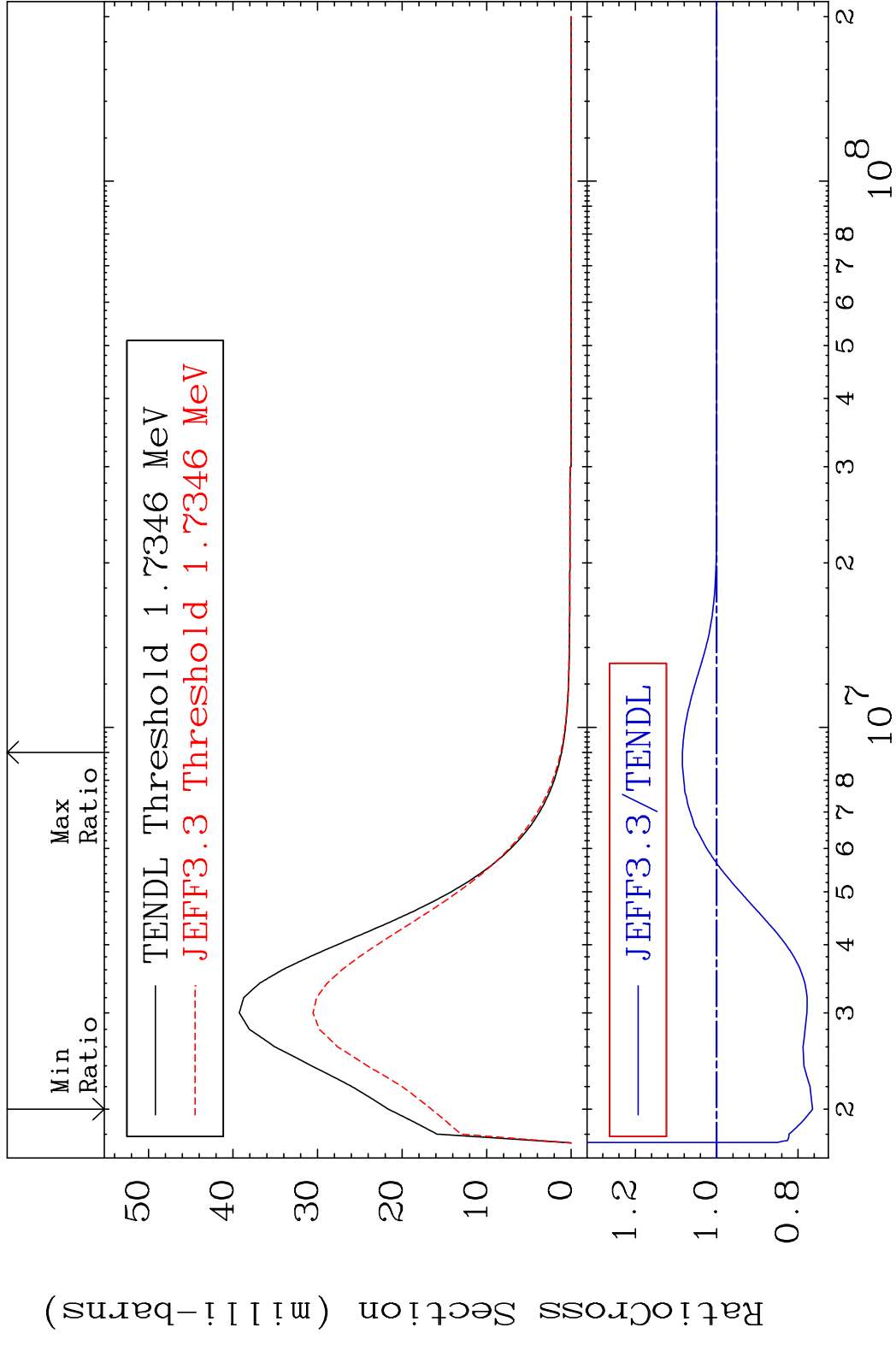


30 Incident Energy (eV) 23-V -50

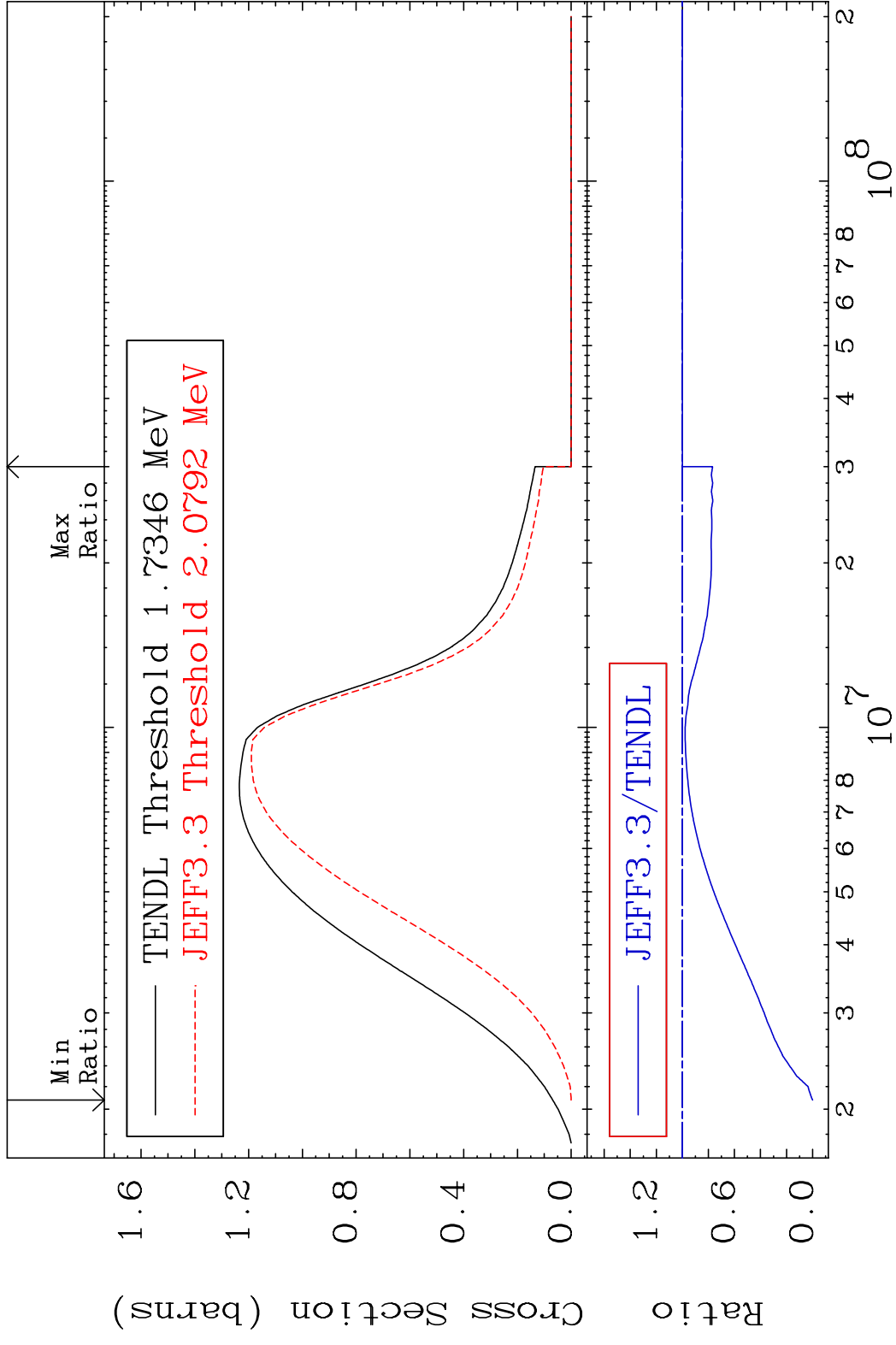
MAT 2325 MT= 64 (n, n') Level 23-V -50
 Cross Section -25.50 To 32.63 %



MAT 2325 MT= 65 (n, n') Level 23-V -50
 Cross Section -23.57 To 8.442 %



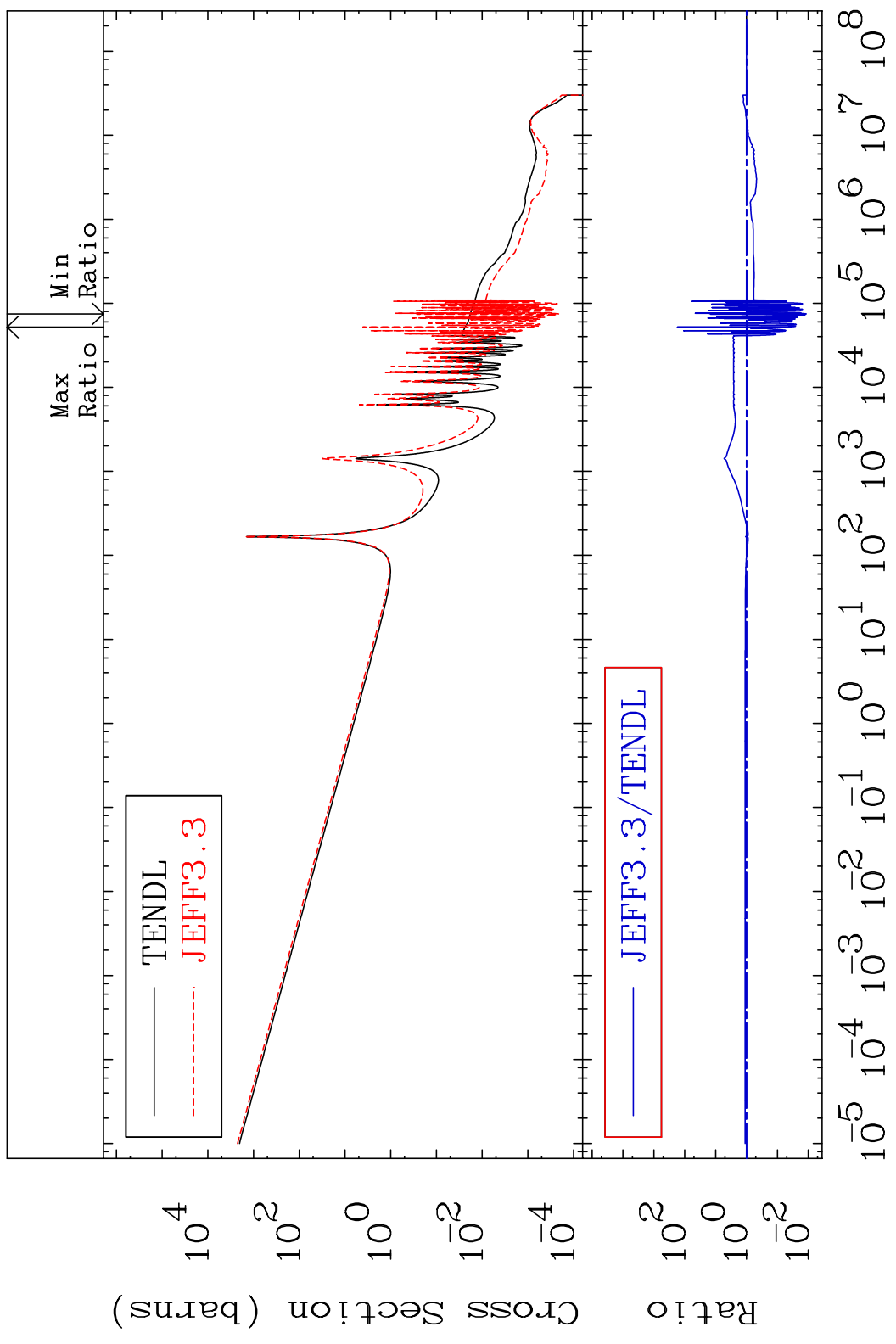
MAT 2325 (n, n') Continuum 23-V -50
 Cross Section -100.0 To 0.000 %



MAT 2325

(n, γ)

Cross Section -98.85 To 9999. %
23-V -50

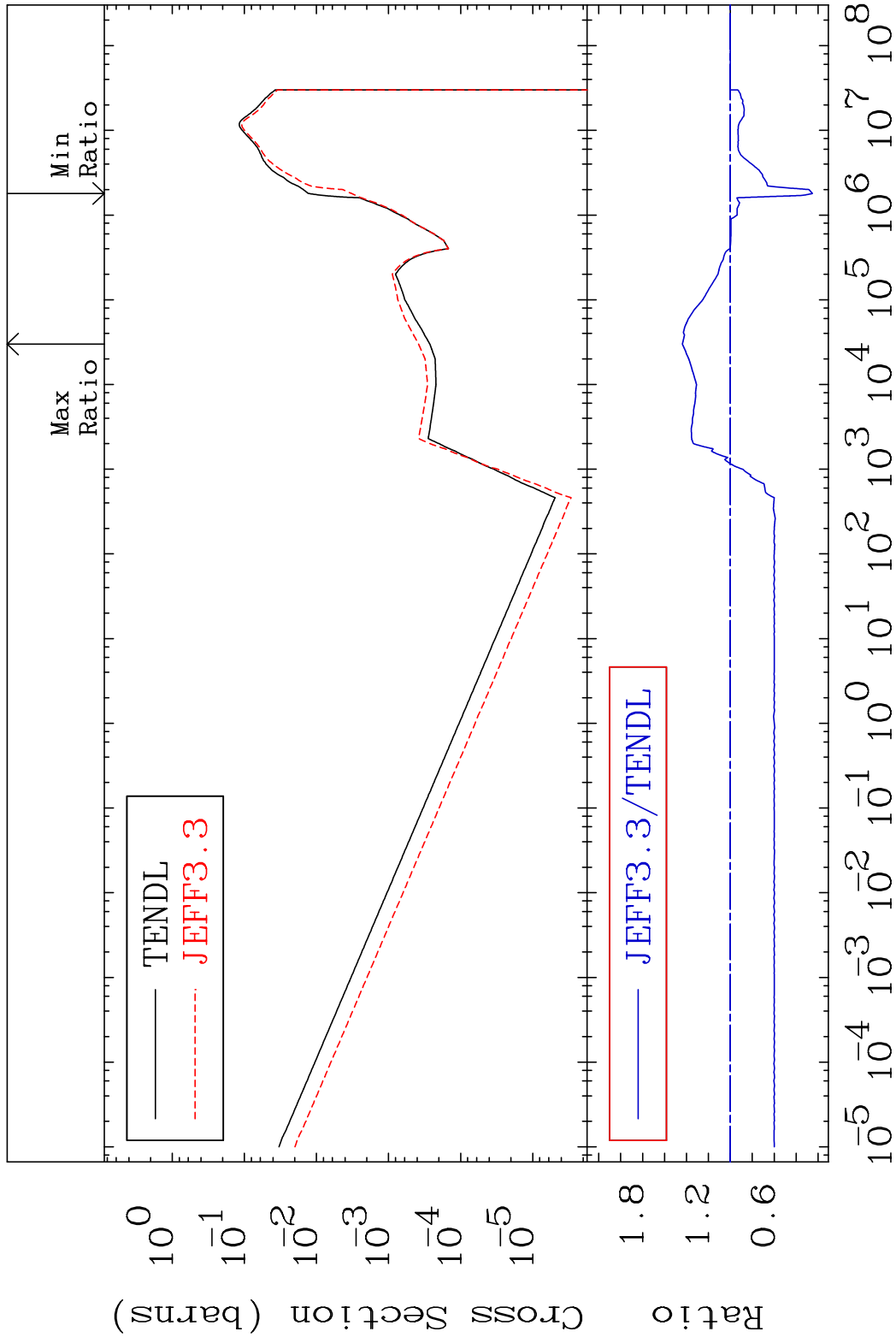


MAT 2325

(n, p)

23-V -50

Cross Section -74.97 To 43.77 %

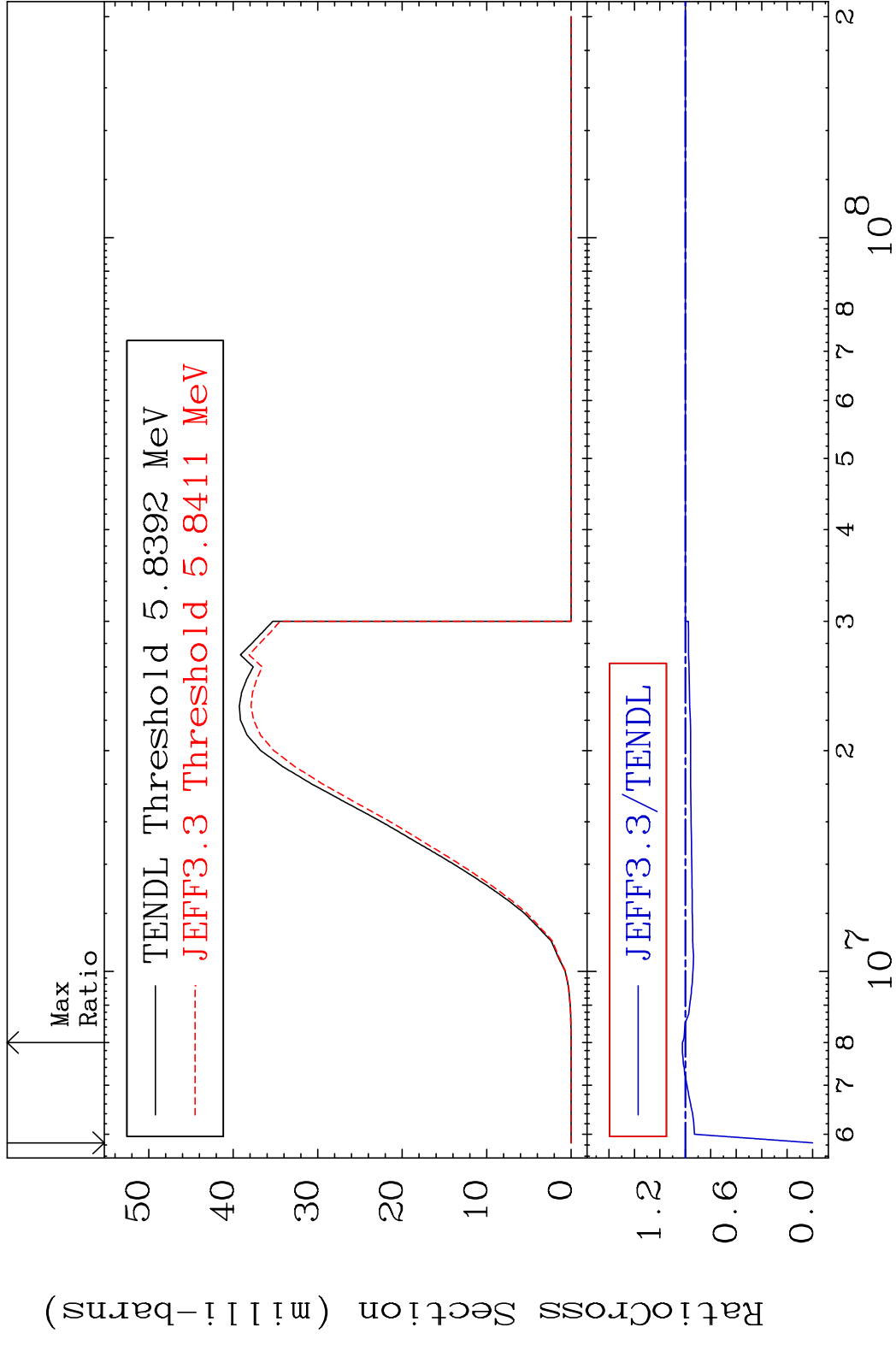


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Incident Energy (eV)

23-V -50

MAT 2325 (n,d) 23-V -50
 Cross Section -100.0 To 2.315 %

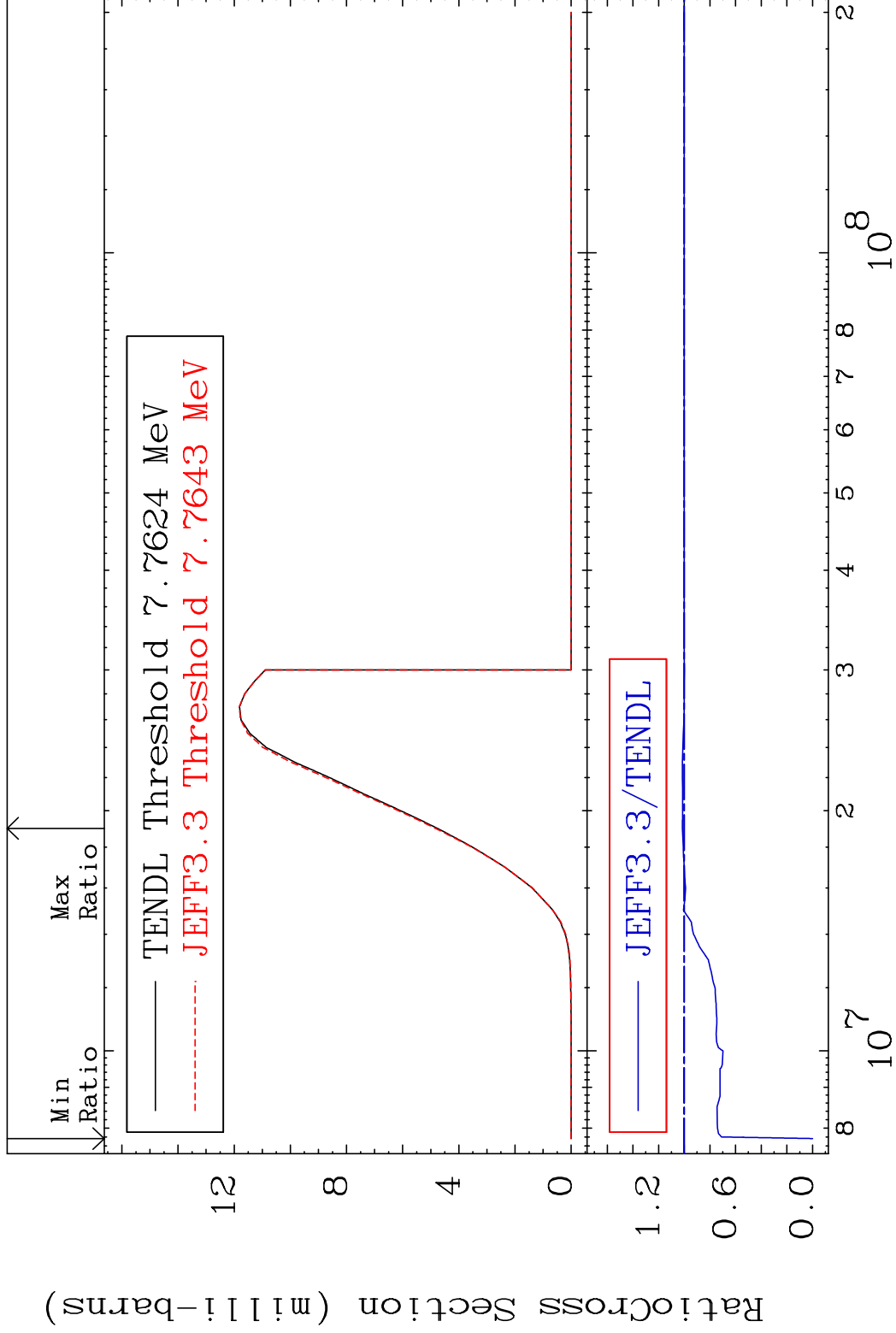


MAT 2325

(n, t)

23-V -50

Cross Section -100.0 To 1.474 %

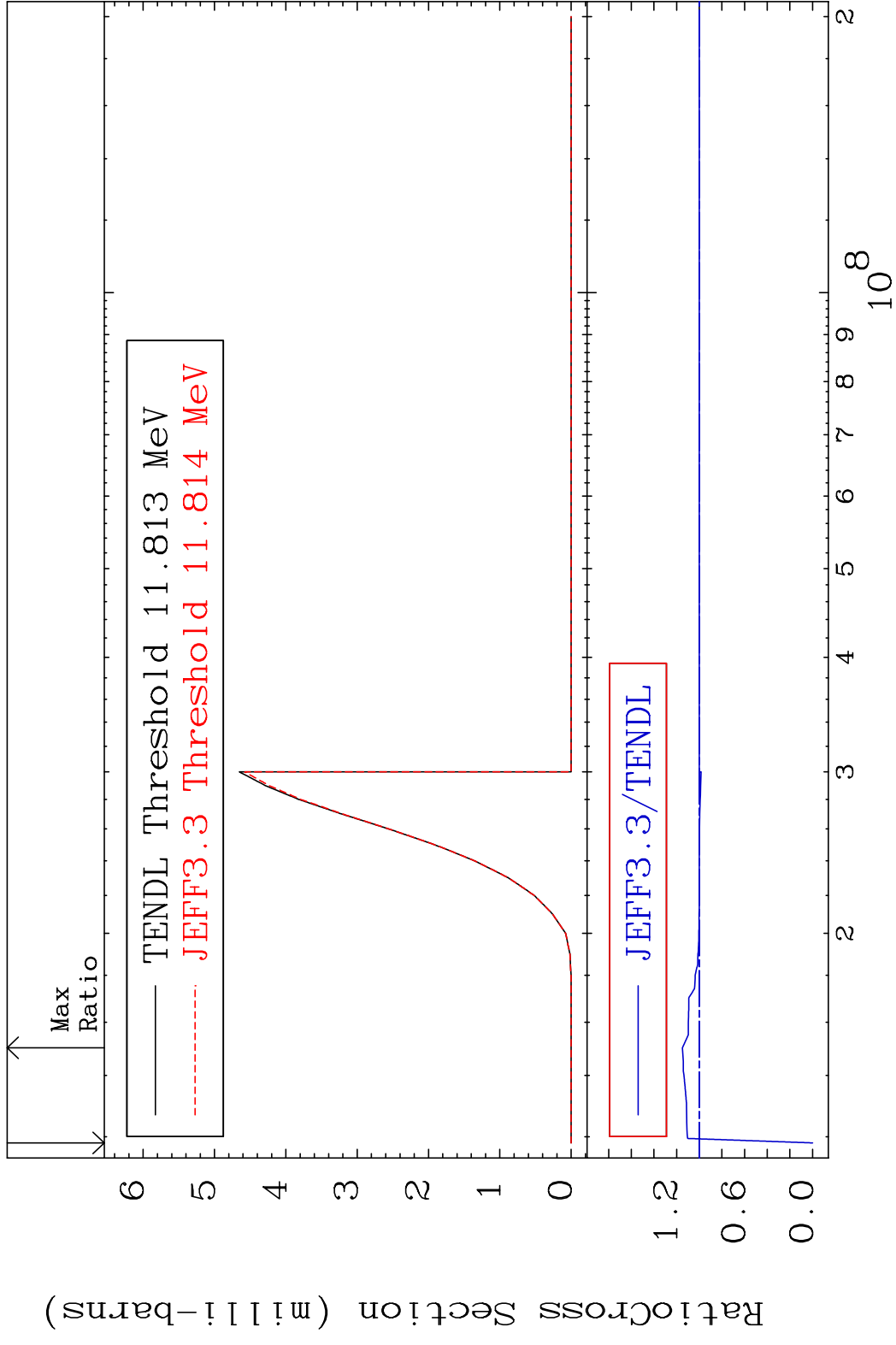


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Incident Energy (eV)

23-V -50

MAT 2325 (n, He-3) 23-V -50
 Cross Section -100.0 To 14.95 %

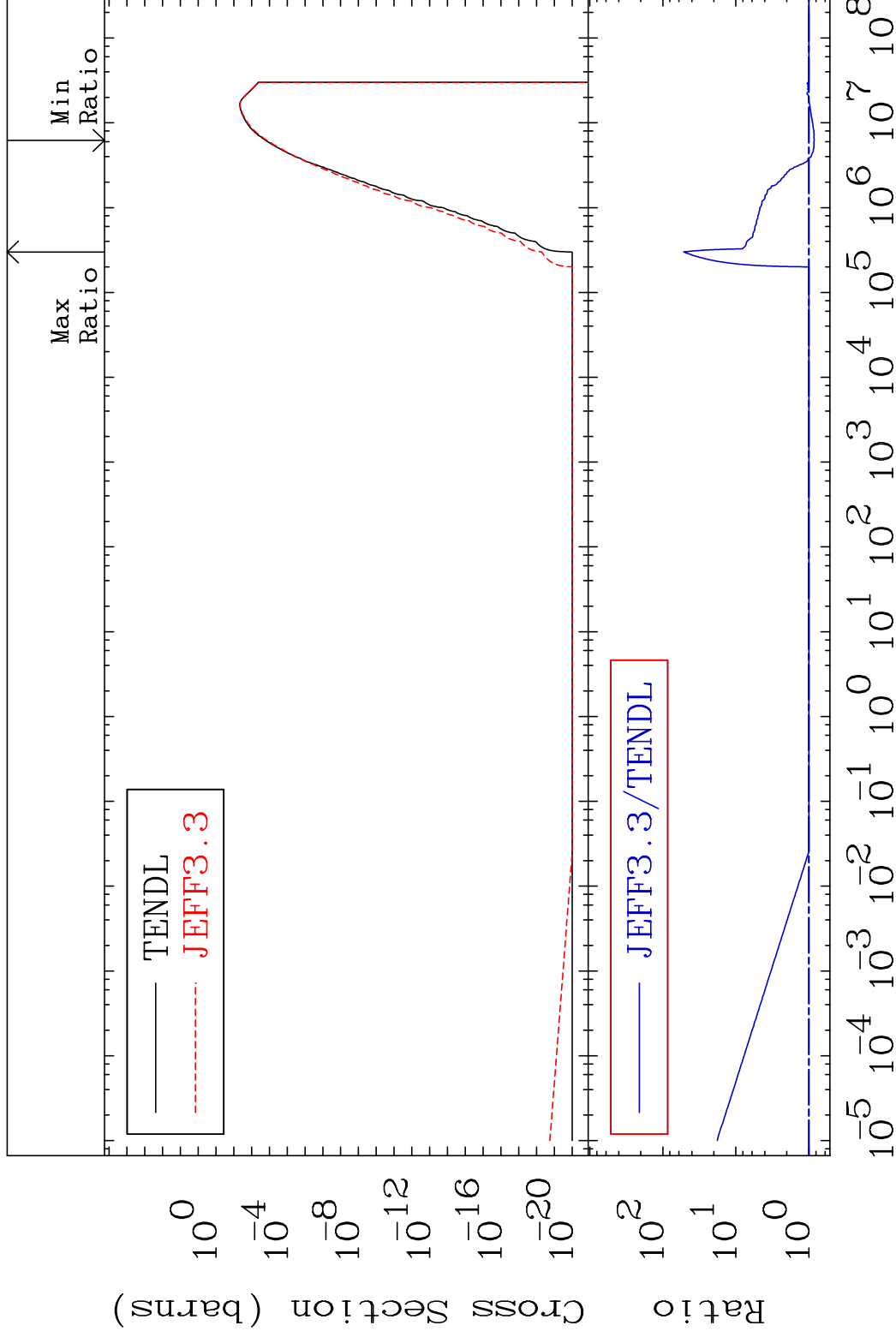


MAT 2325

(n, α)

23-V -50

Cross Section -15.35 To 5078. %

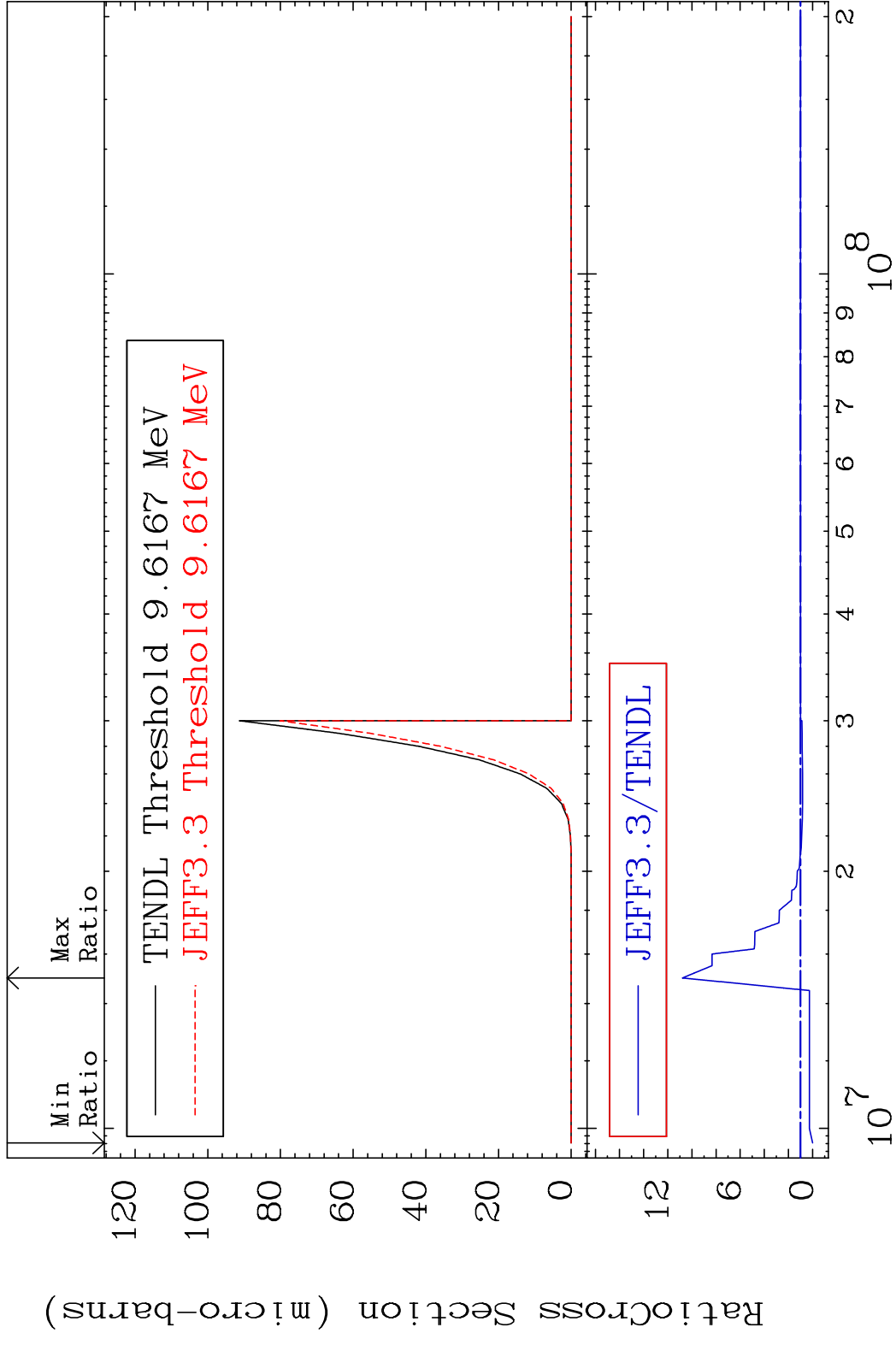


39

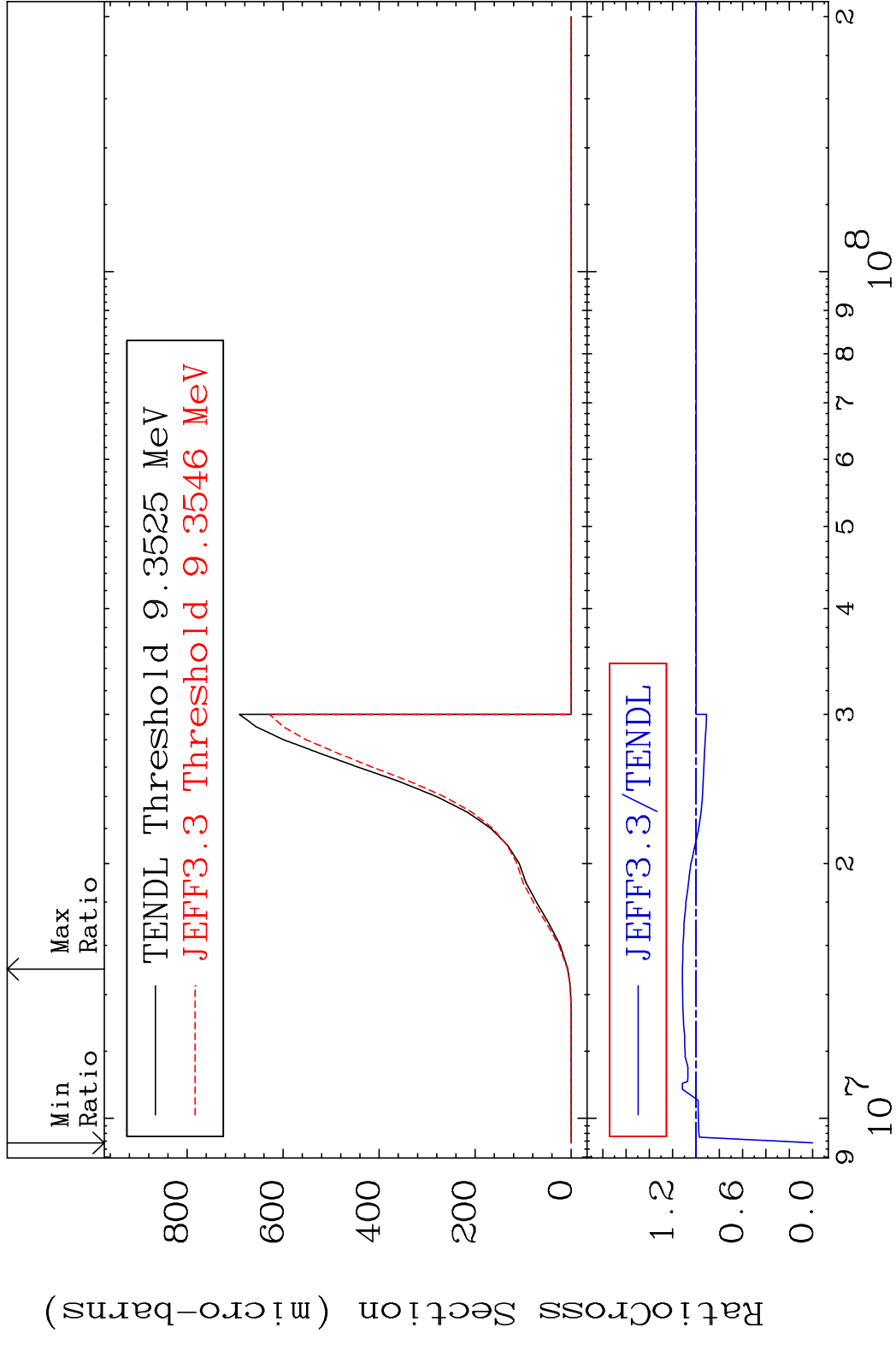
Incident Energy (eV)

23-V -50

MAT 2325 (n,2α) 23-V -50
 Cross Section -100.0 To 979.3 %

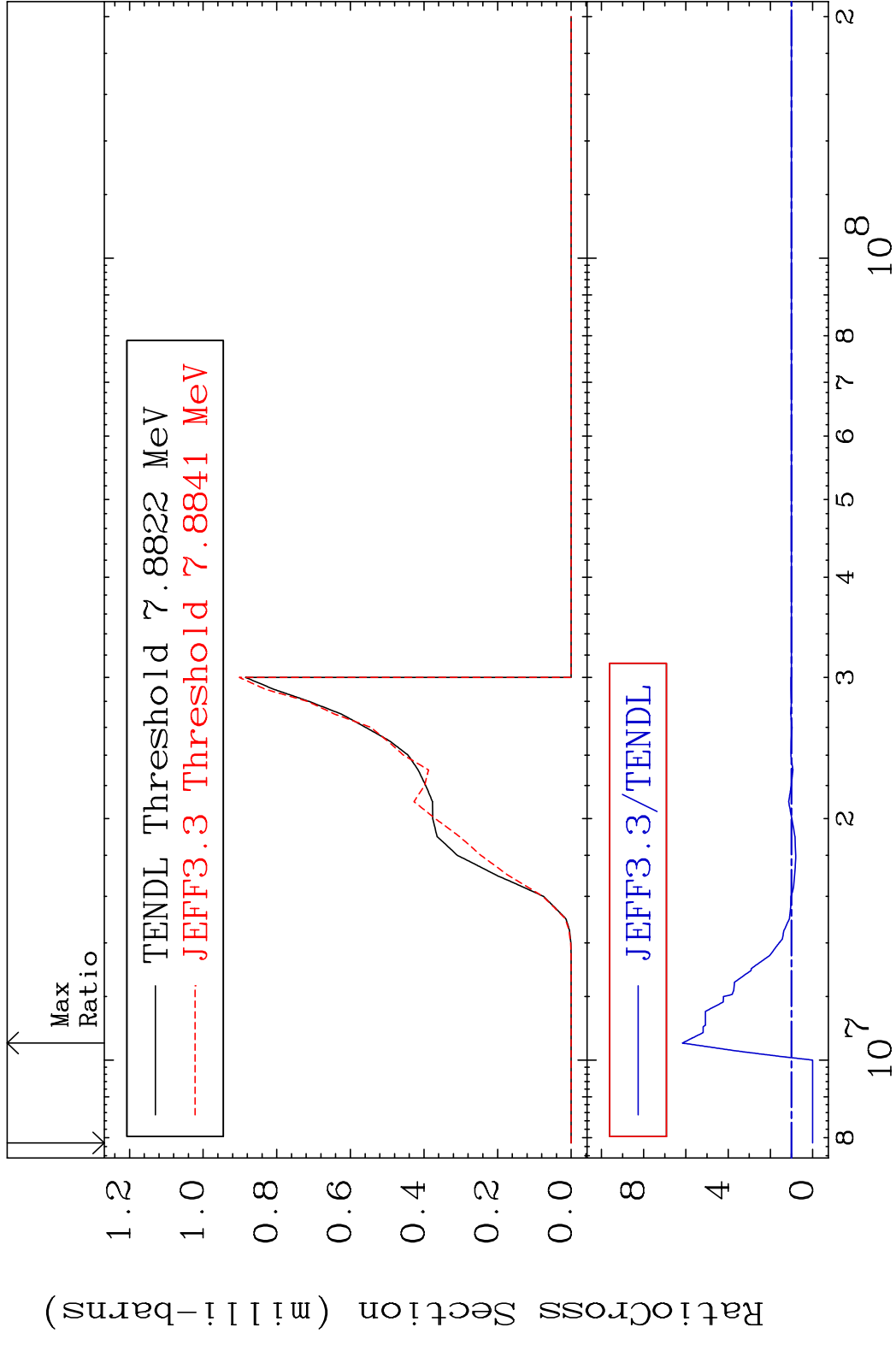


MAT 2325 (n,2p) 23-V -50
 Cross Section -100.0 To 11.71 %

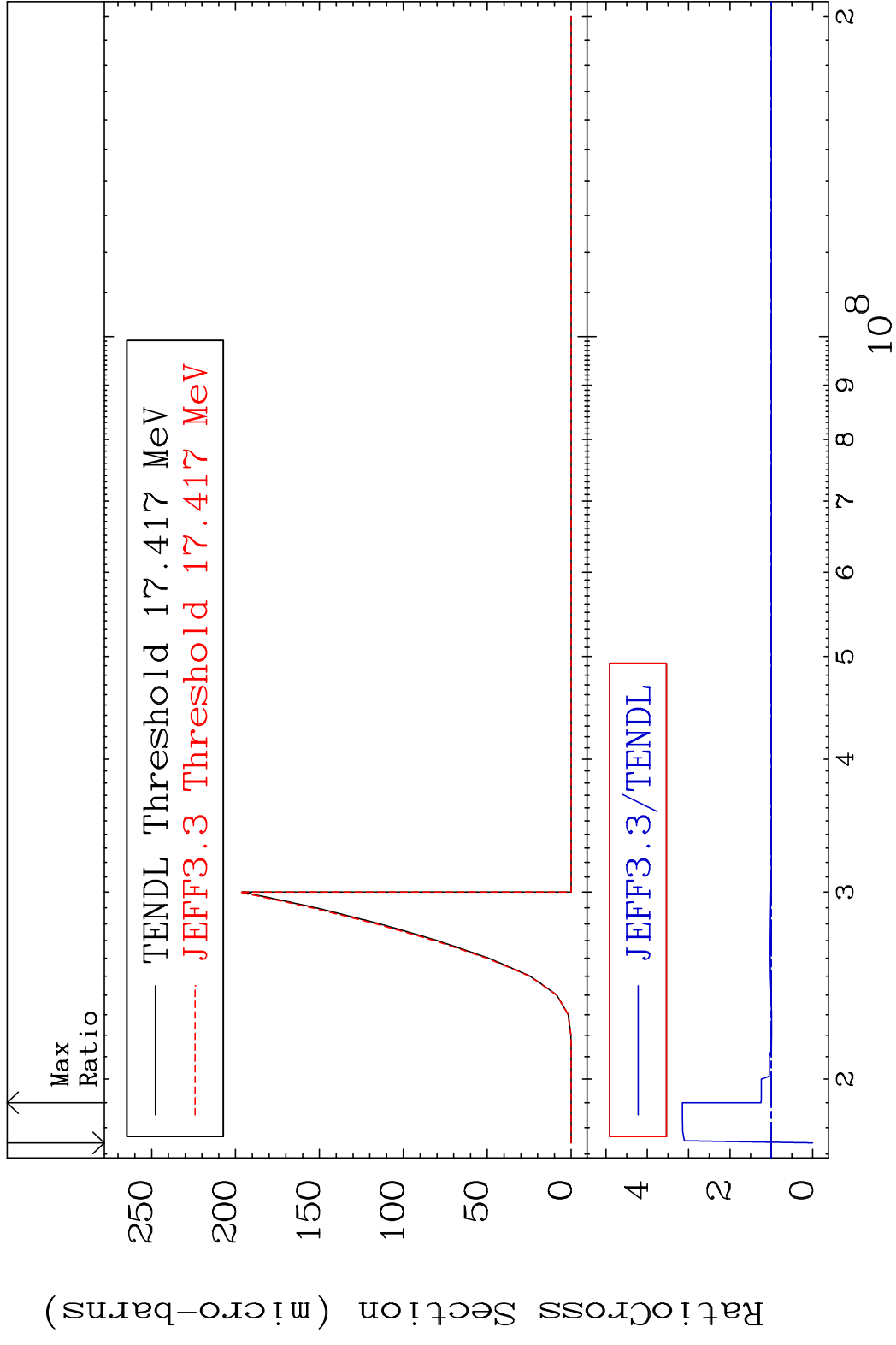


41 Incident Energy (eV) 23-V -50

MAT 2325 (n,p) α 23-V -50
 Cross Section -100.0 To 516.8 %

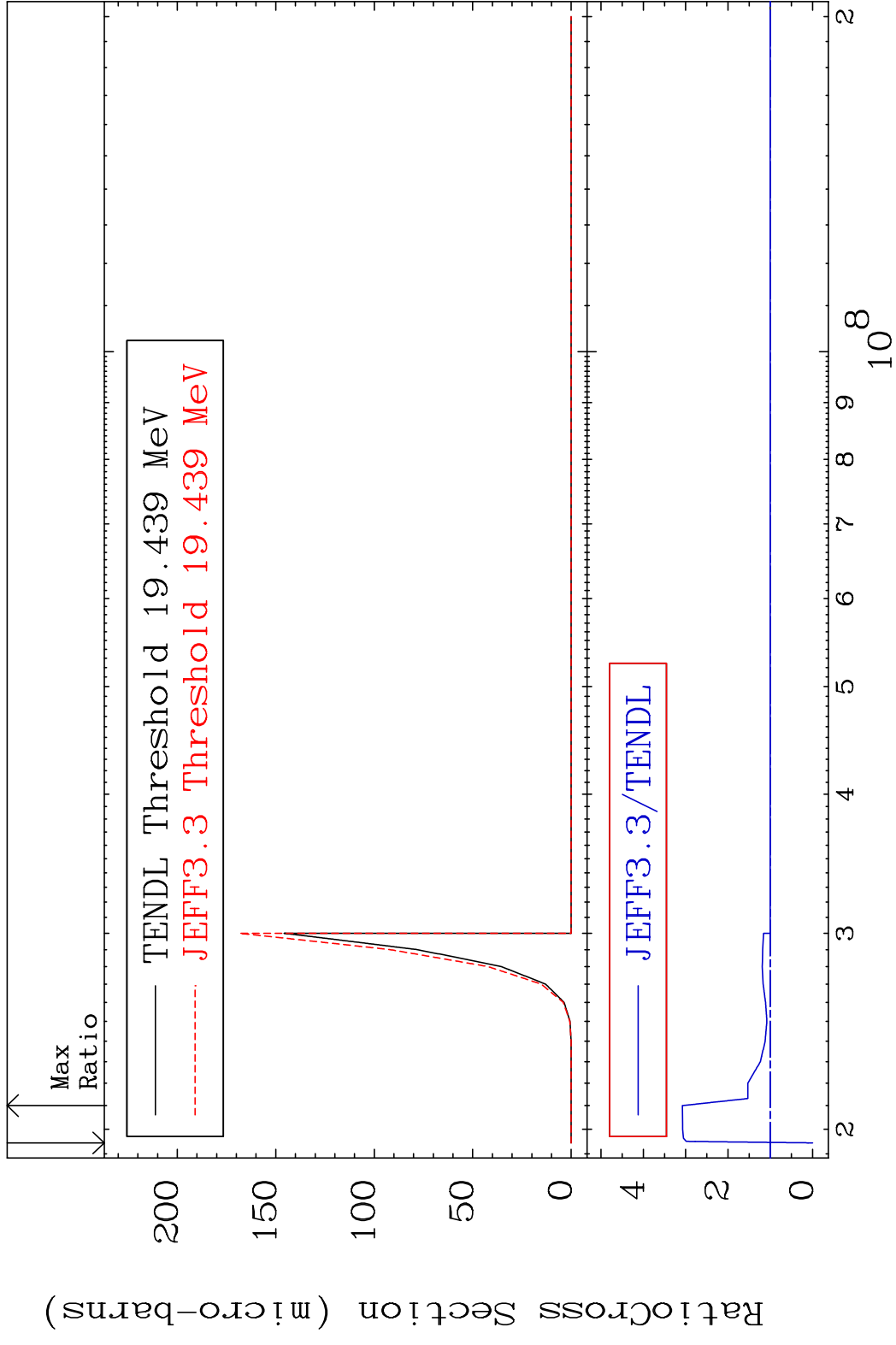


MAT 2325 (n,p) d 23-V -50
 Cross Section -100.0 To 215.2 %



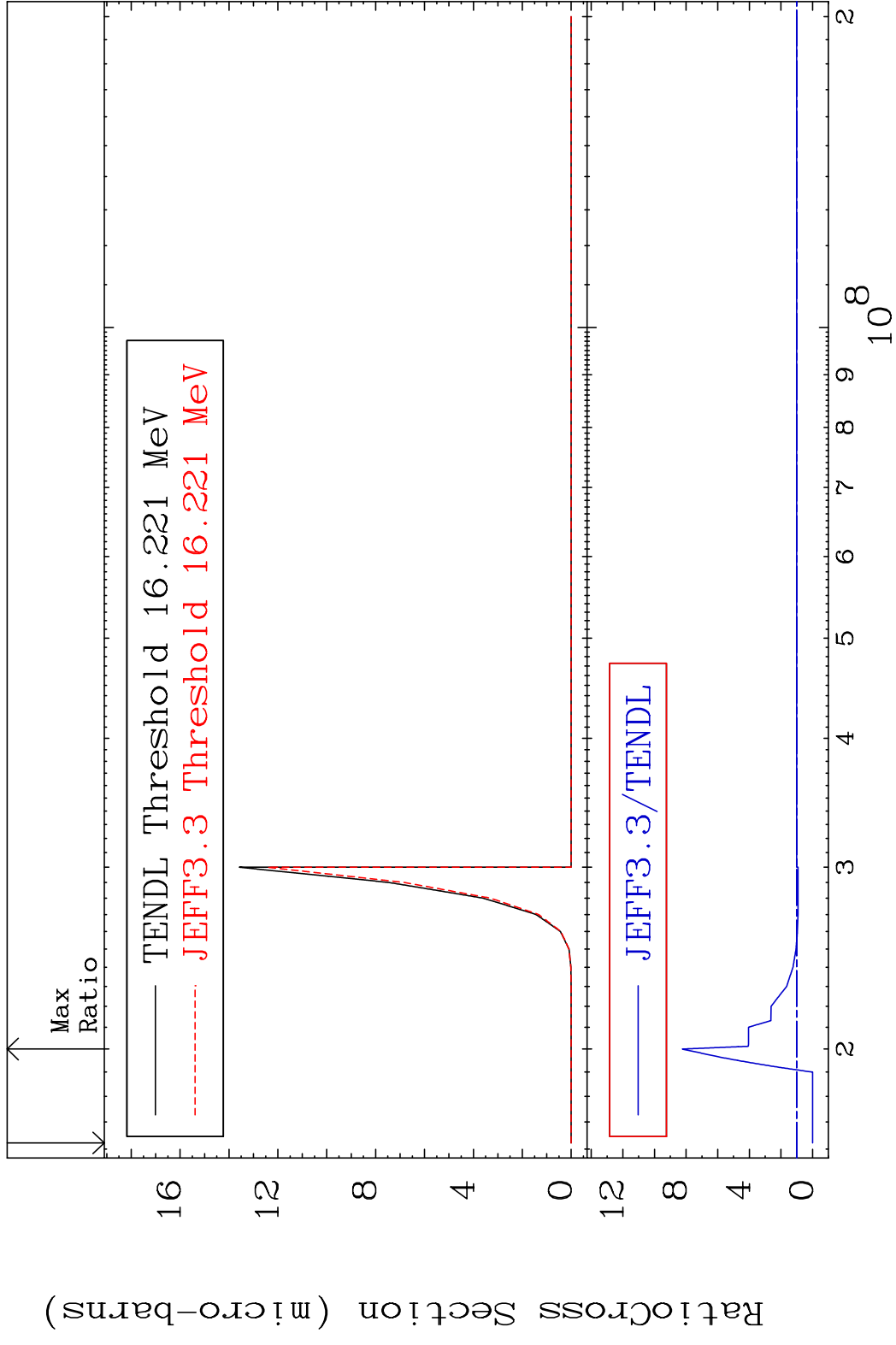
43 Incident Energy (eV) 23-V -50

MAT 2325 (n,p) t 23-V -50
 Cross Section -100.0 To 207.8 %



44 Incident Energy (eV) 23-V -50

MAT 2325 (n,d) α 23-V -50
 Cross Section -100.0 To 723.7 %

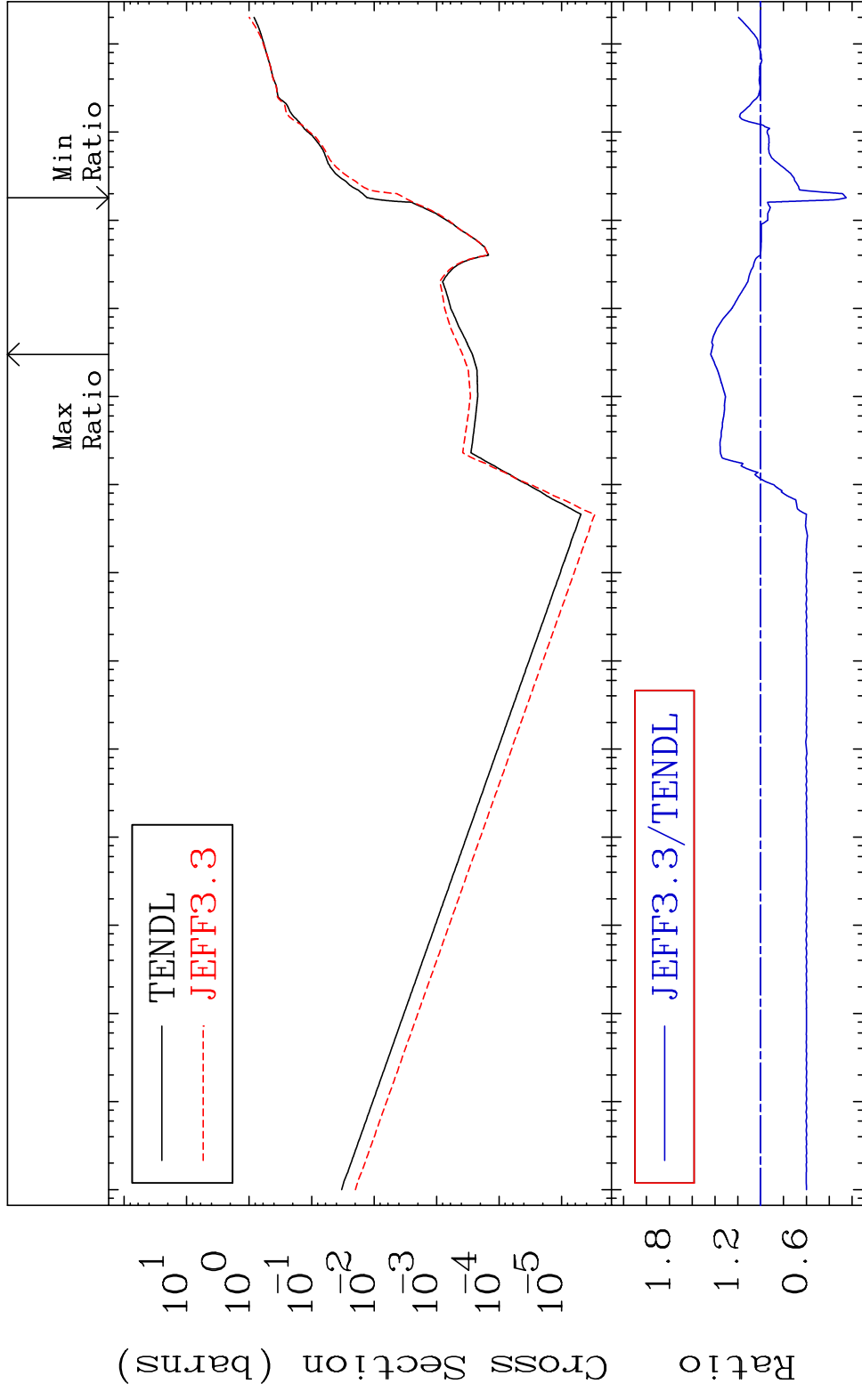


45 Incident Energy (eV) 23-V -50

MAT 2325

Hydrogen Production
Cross Section -74.97 To 43.77 %

23-V -50

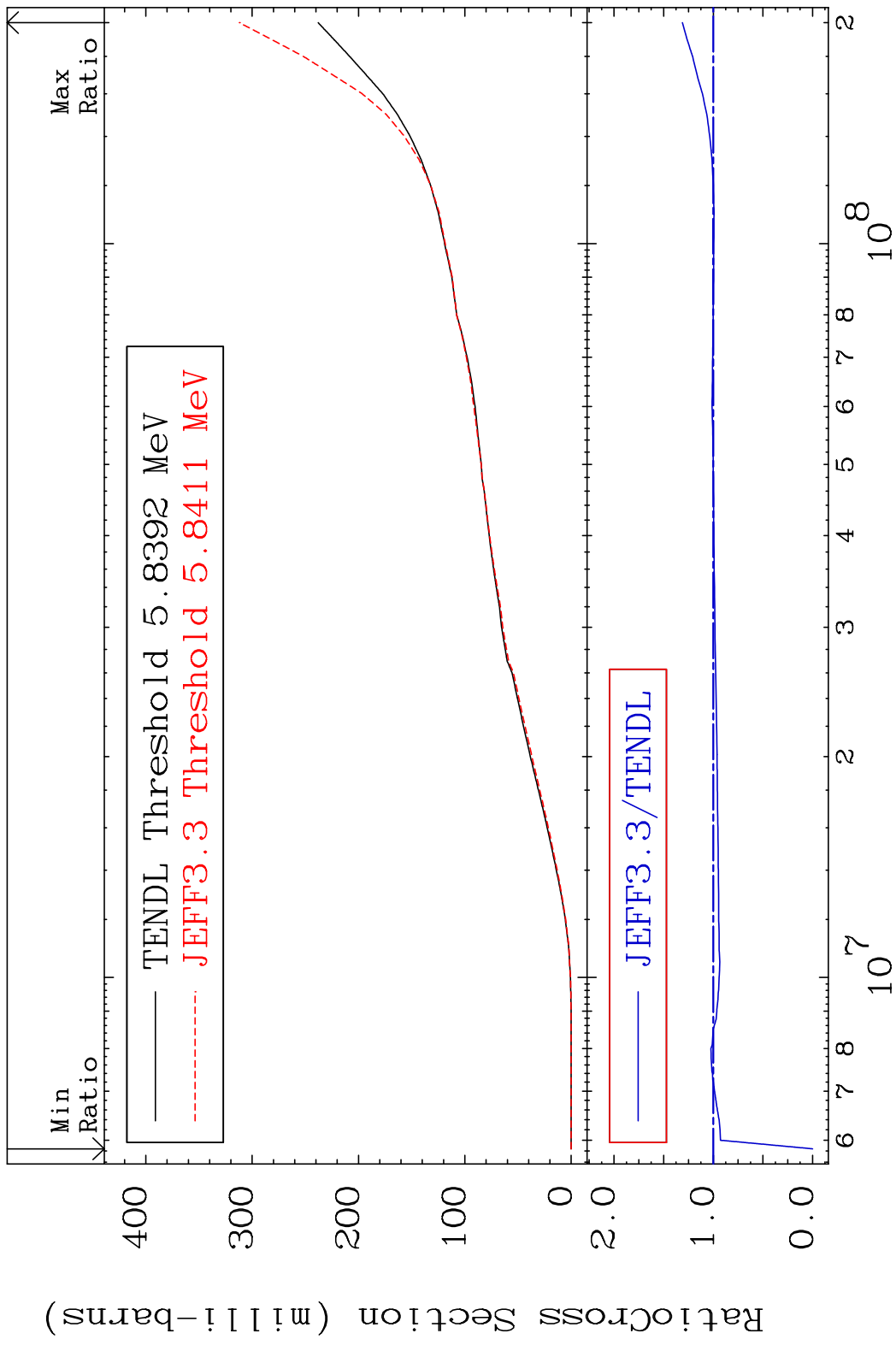


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Incident Energy (eV)

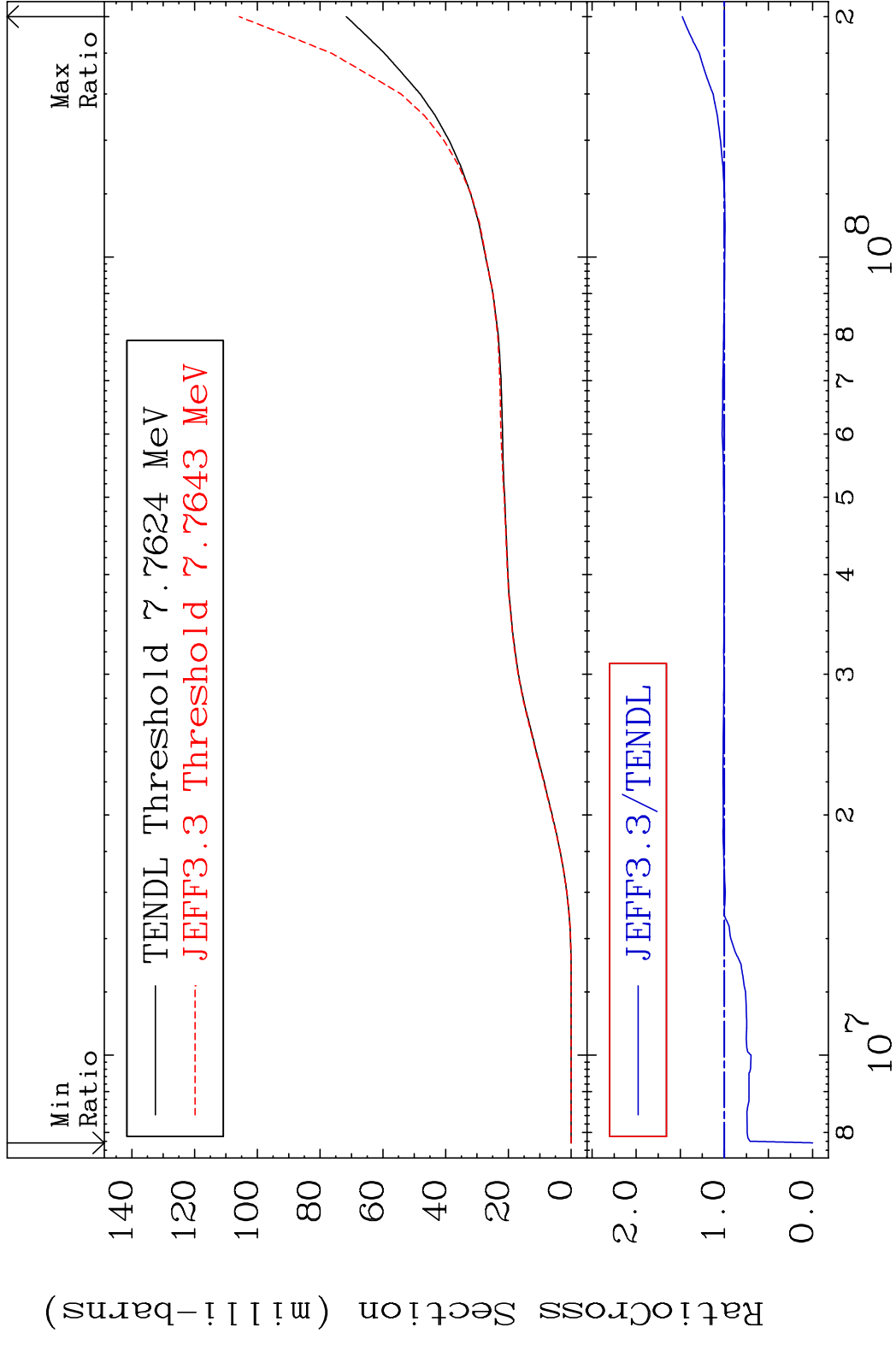
23-V -50

MAT 2325 Deuterium Production 23-V -50
 Cross Section -100.0 To 31.17 %



MAT 2325

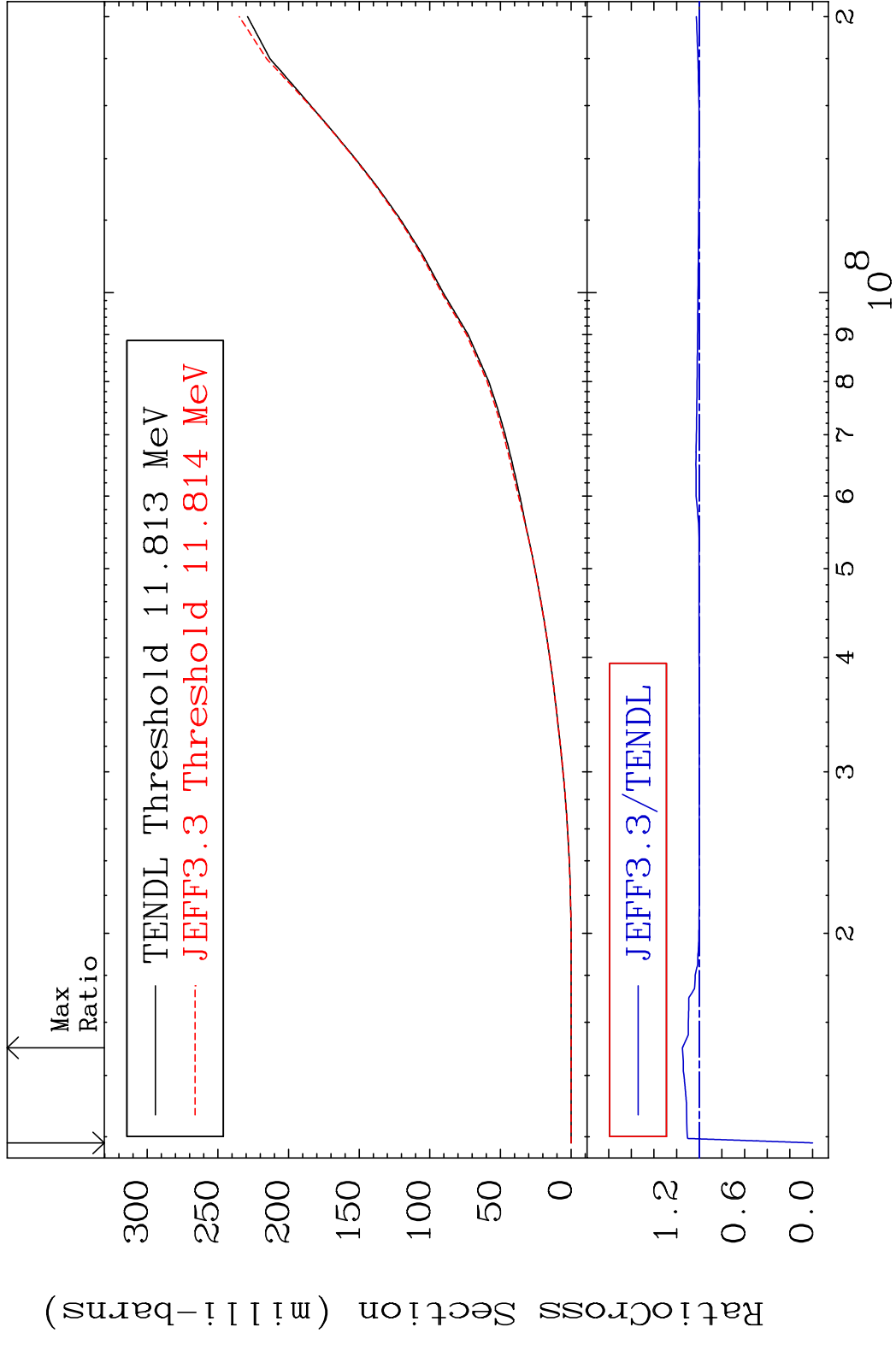
Tritium Production 23-V -50
Cross Section -100.0 To 47.61 %



48

Incident Energy (eV) 23-V -50

MAT 2325 He-3 Production 23-V -50
 Cross Section -100.0 To 14.95 %

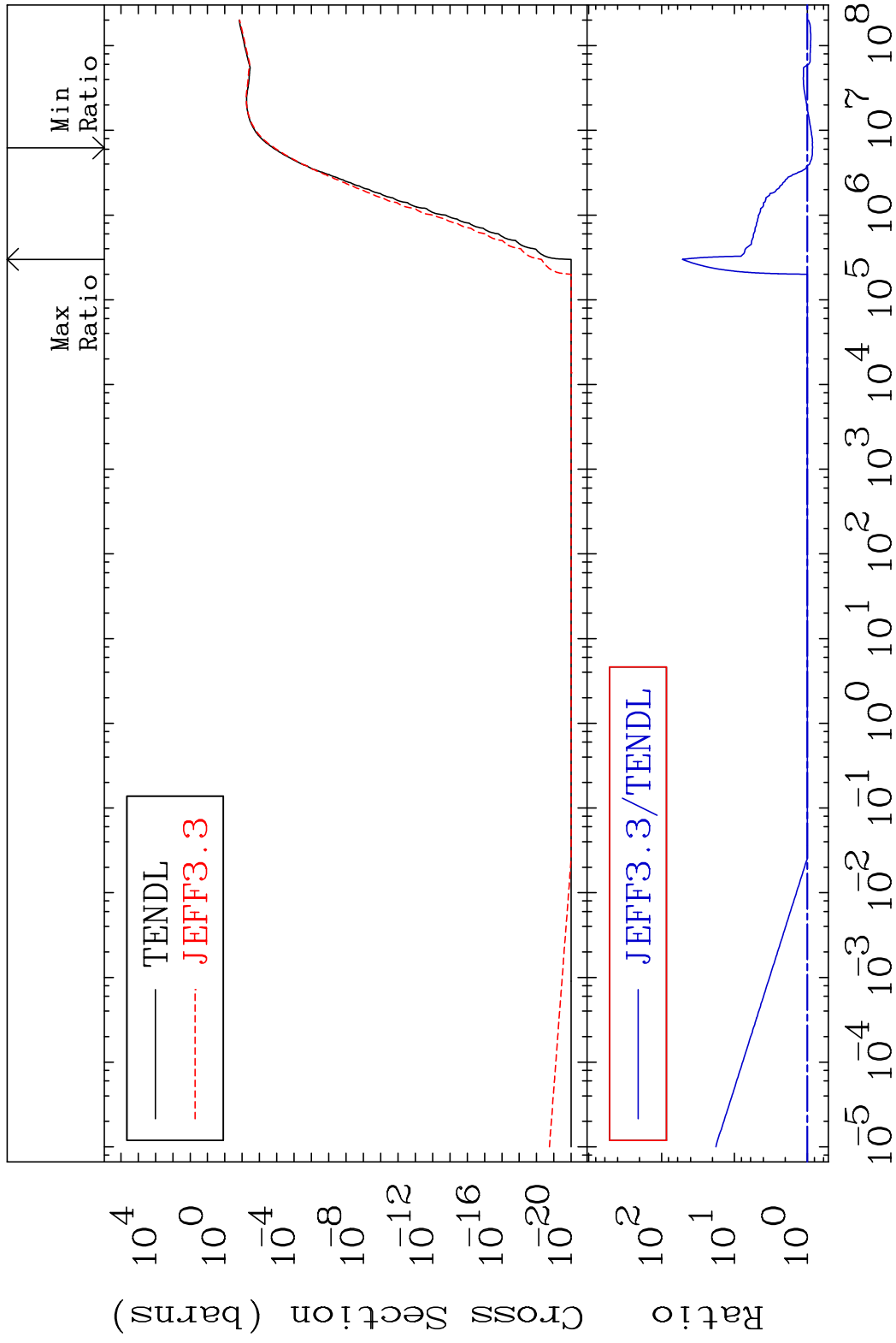


MAT 2325

He-4 Production

23-V -50

Cross Section -15.35 To 5078. %

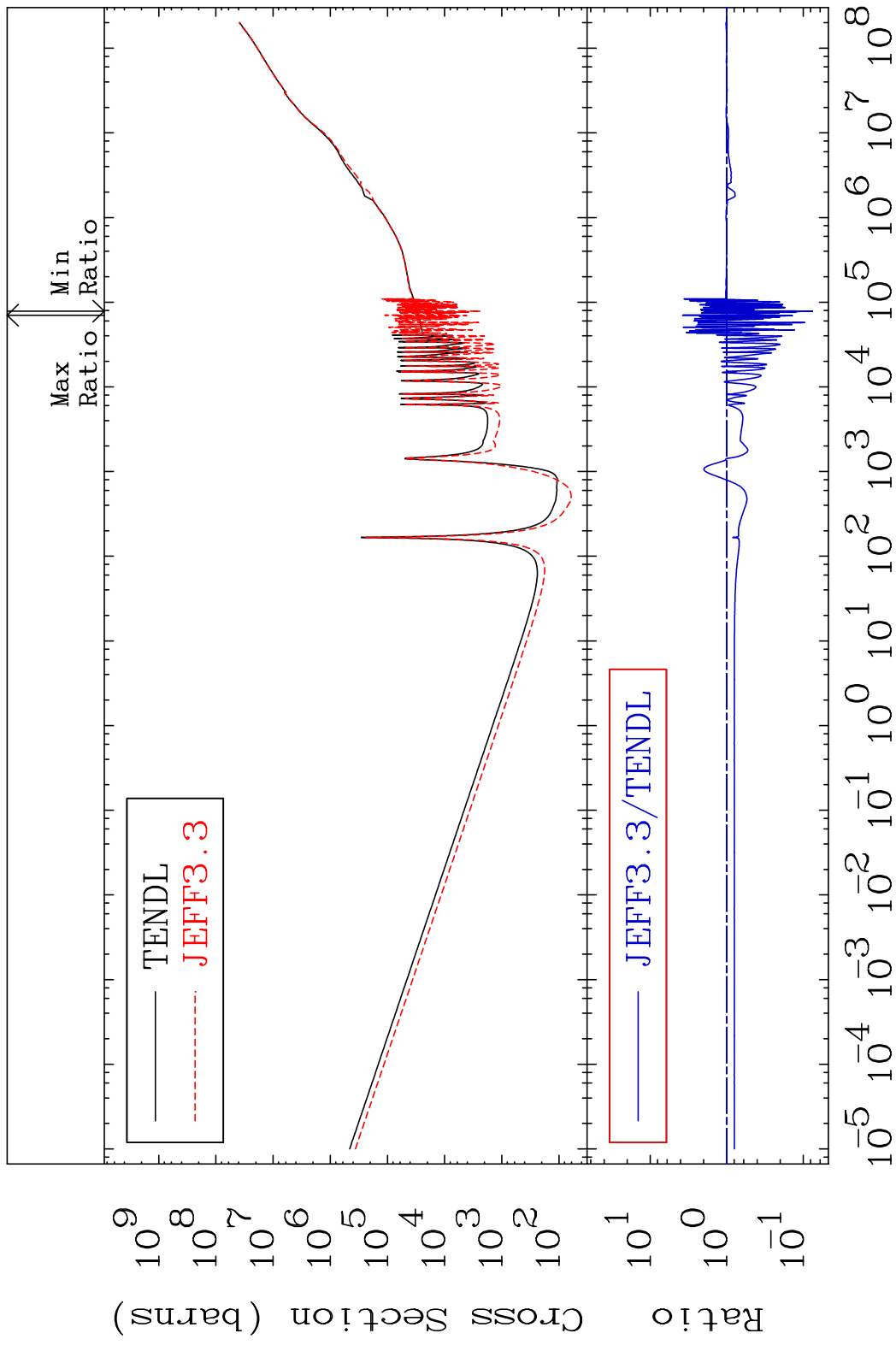


50

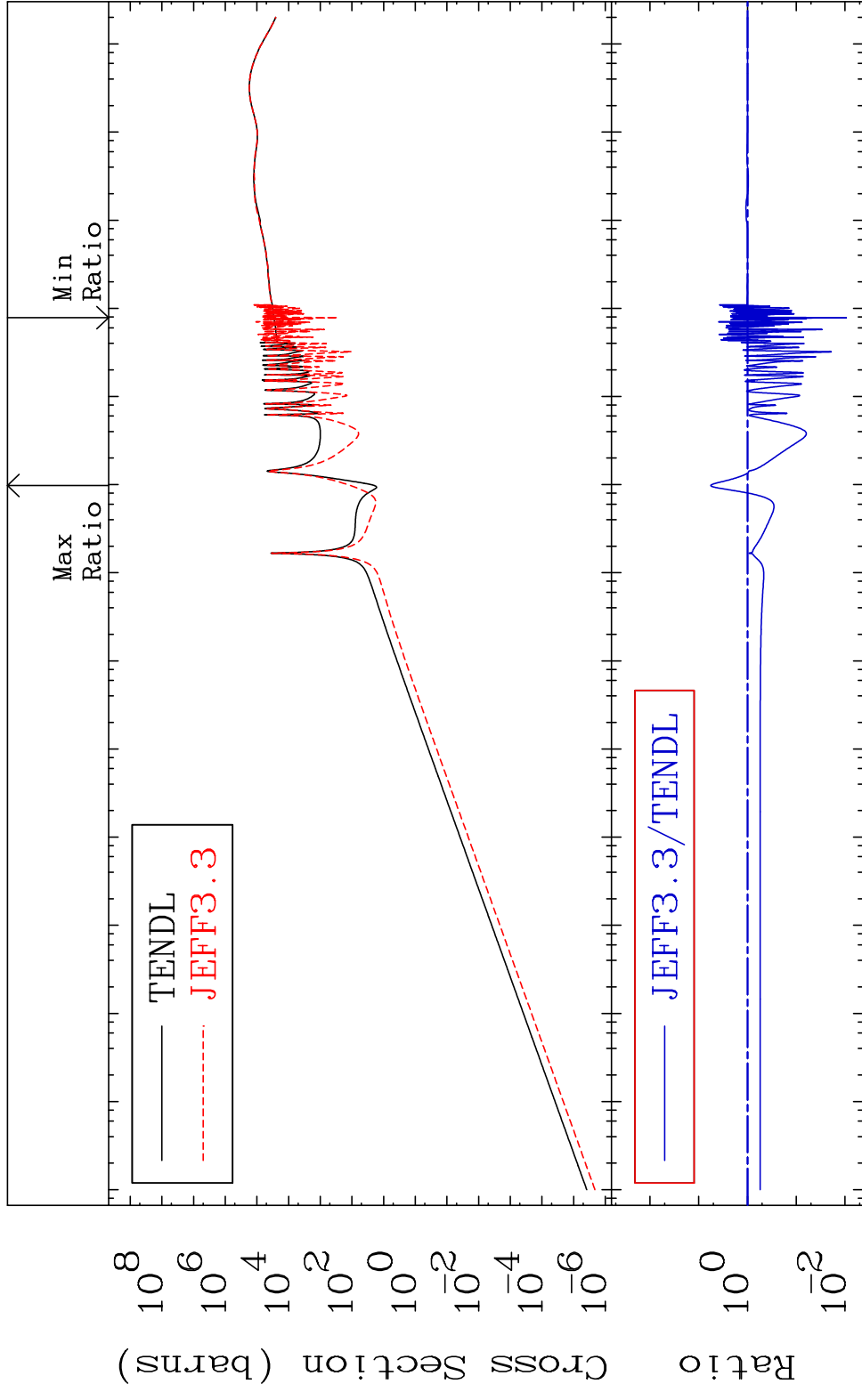
Incident Energy (eV)

23-V -50

MAT 2325 Kerma total (eV-barns) 23-V -50
 Cross Section -92.46 To 279.5 %



MAT 2325 Kerma elastic 23-V -50
 Cross Section -99.06 To 467.1 %



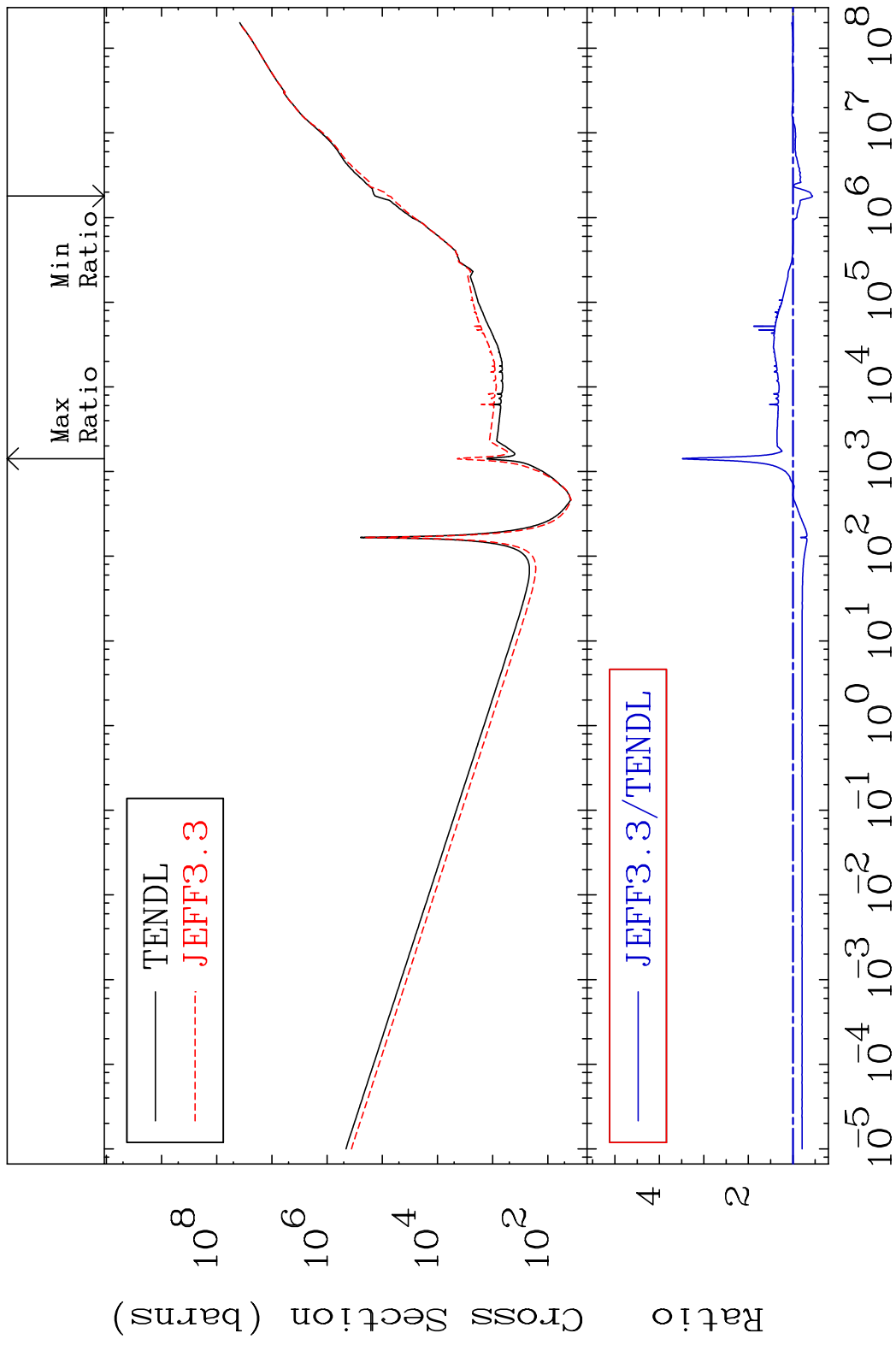
Ratio

10⁸
10⁶
10⁴
10²
10⁰
10⁻²
10⁻⁴
10⁻⁶

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

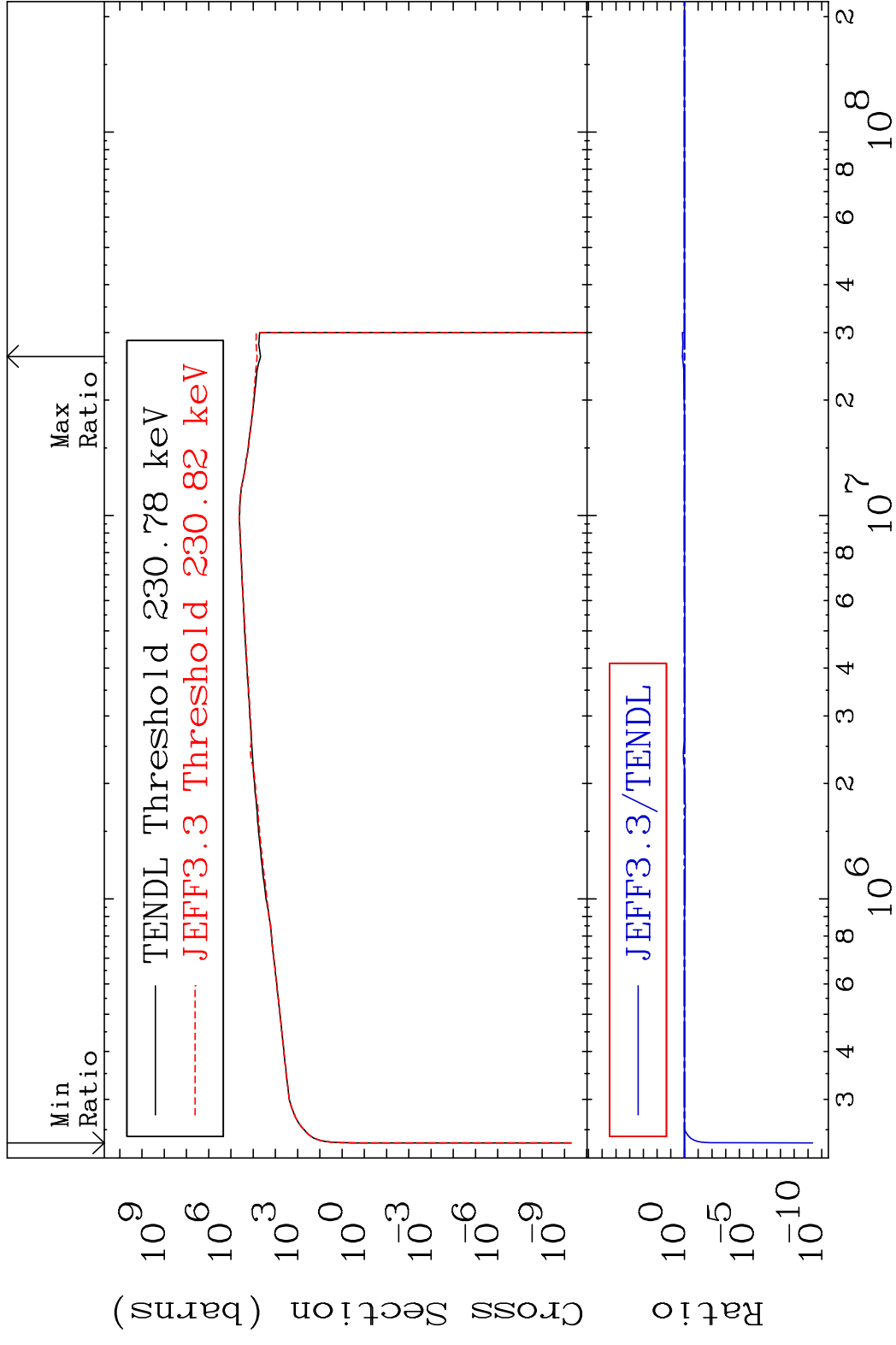
Incident Energy (eV) 23-V -50

MAT 2325 Kerma non-elastic (all but mt2) 23-V -50
 Cross Section -44.19 To 248.4 %

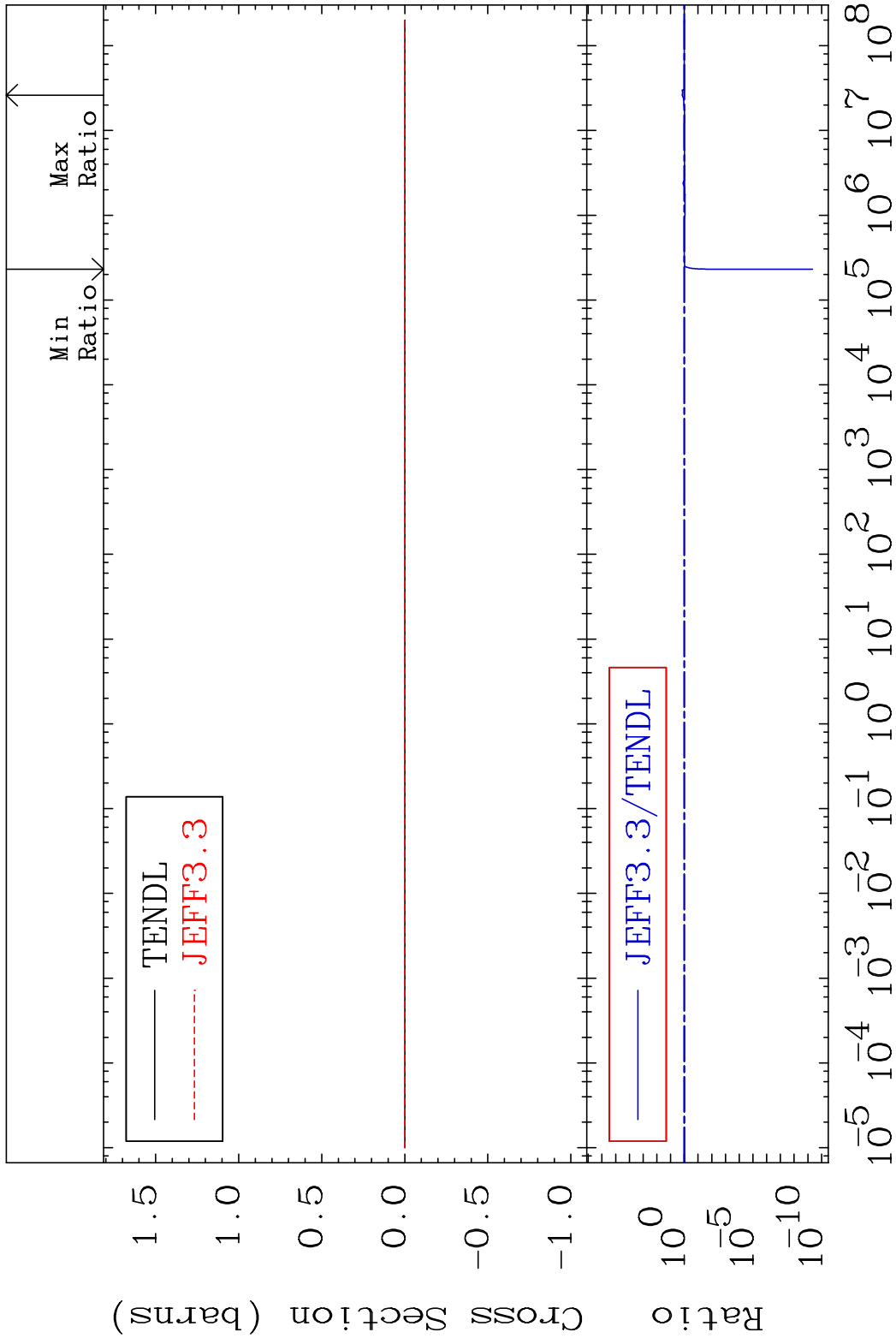


53 Incident Energy (eV) 23-V -50

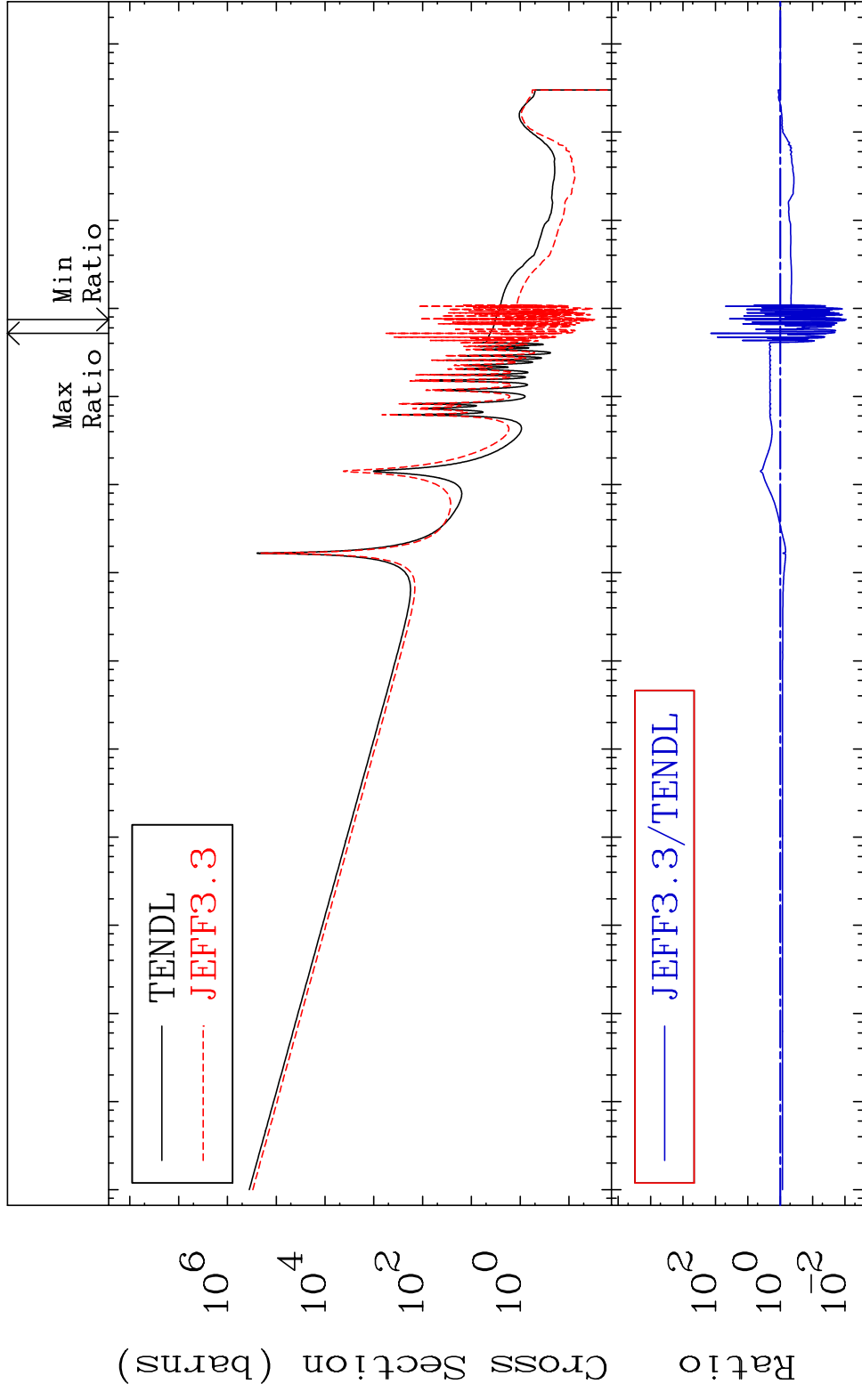
MAT 2325 Kerma inelastic (mt51-91) 23-V -50
 Cross Section -100.0 To 43.61 %



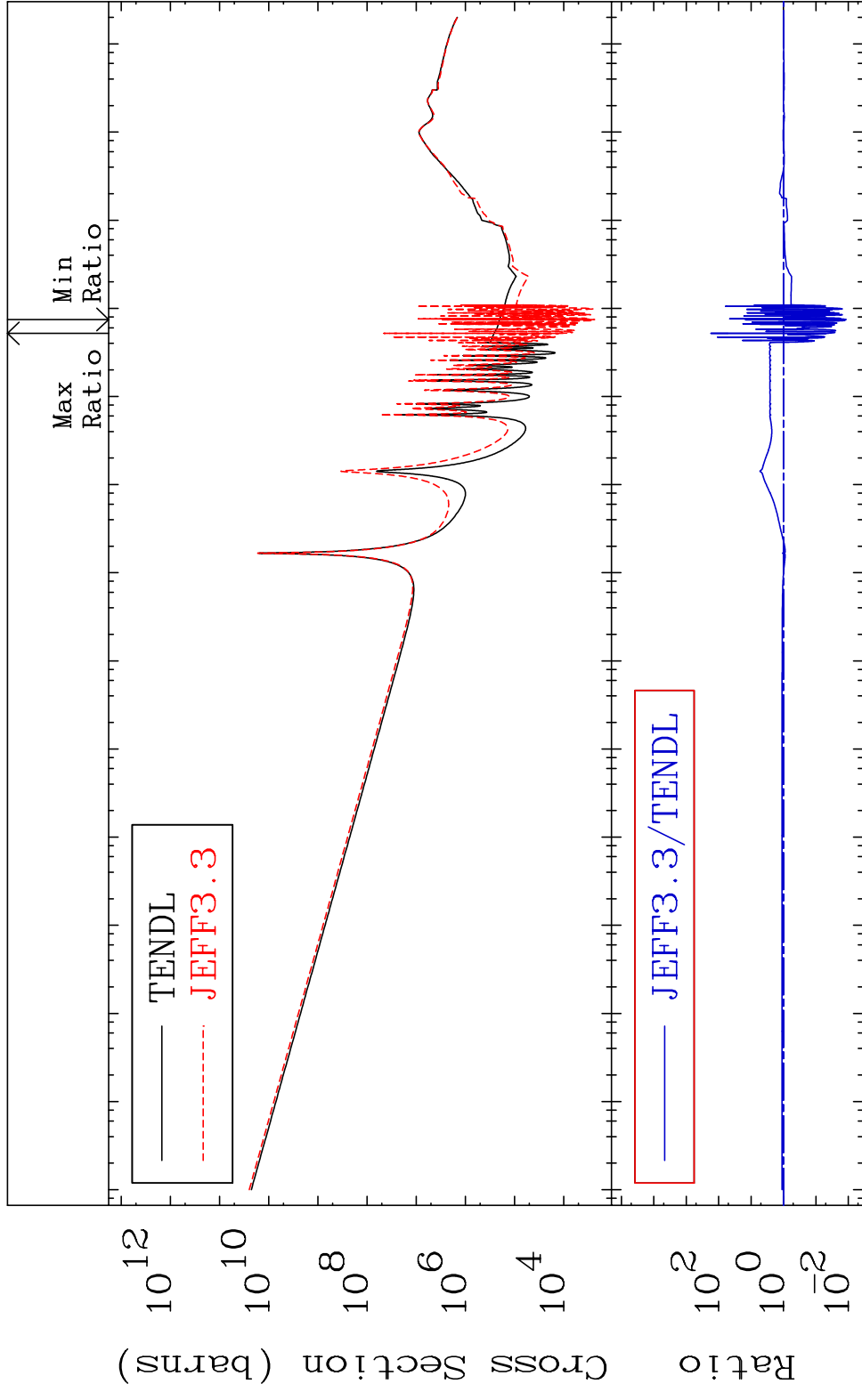
MAT 2325 Kerma fission (mt18 or mt19-20-21-38) 23-V -50
 Cross Section -100.0 To 43.61 %



MAT 2325 Kerma capture (mt102) 23-V -50
 Cross Section -99.09 To 9999. %

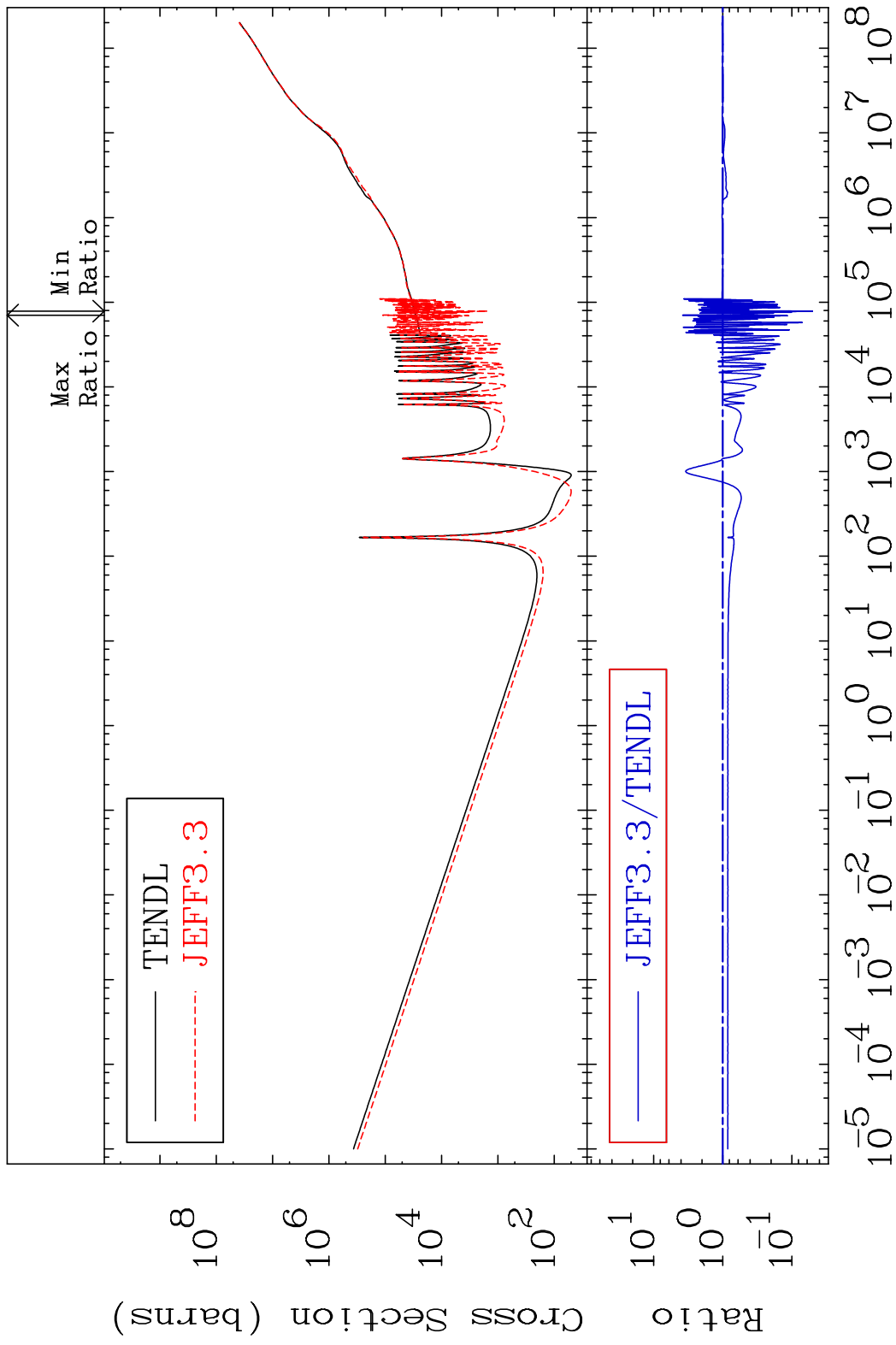


MAT 2325 Total photon (eV-barns) 23-V -50
 Cross Section -98.85 To 9999. %

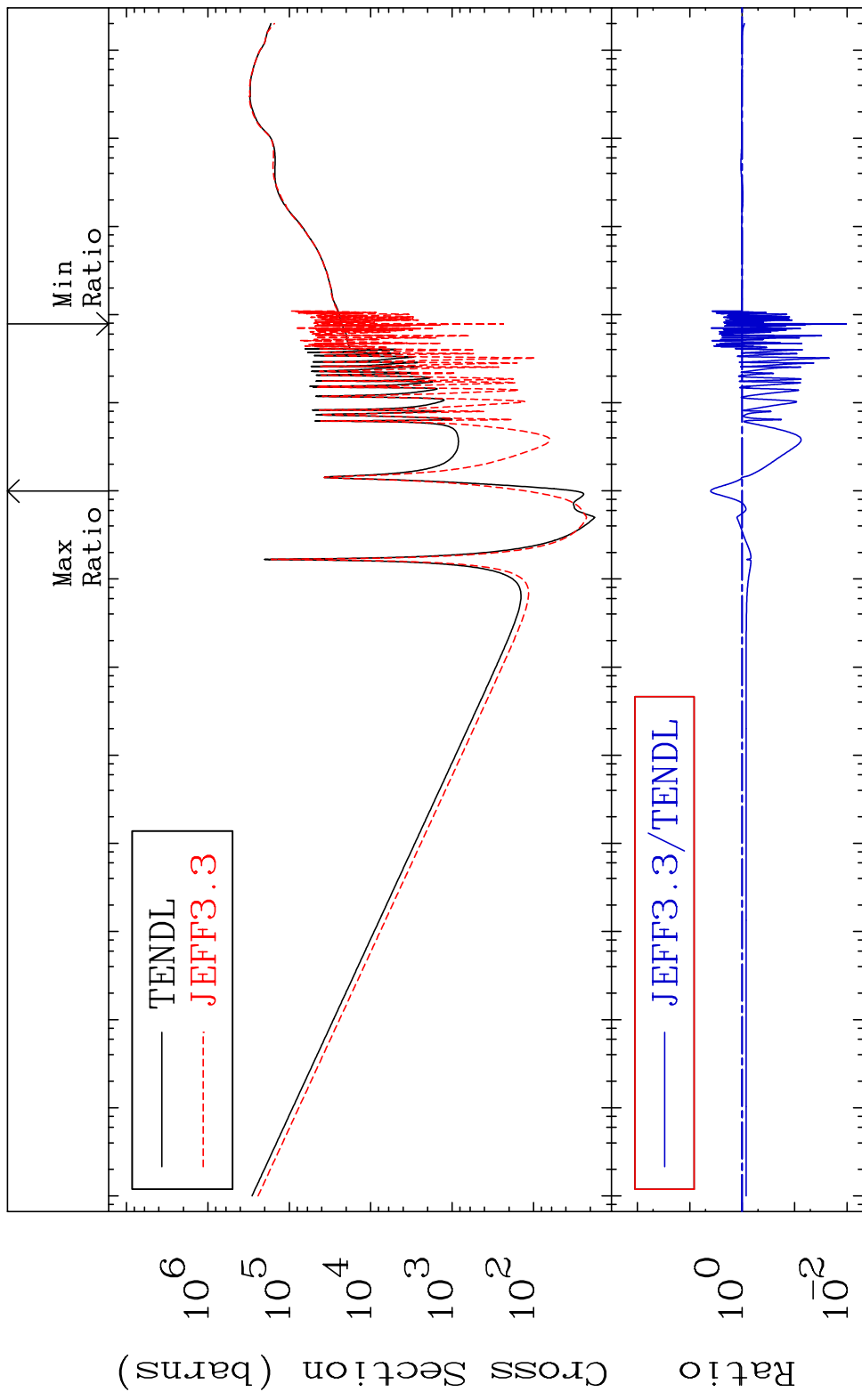


57 Incident Energy (eV) 23-V -50

MAT 2325 Total kinematic kerma (high limit) 23-V -50
 Cross Section -94.98 To 283.4 %

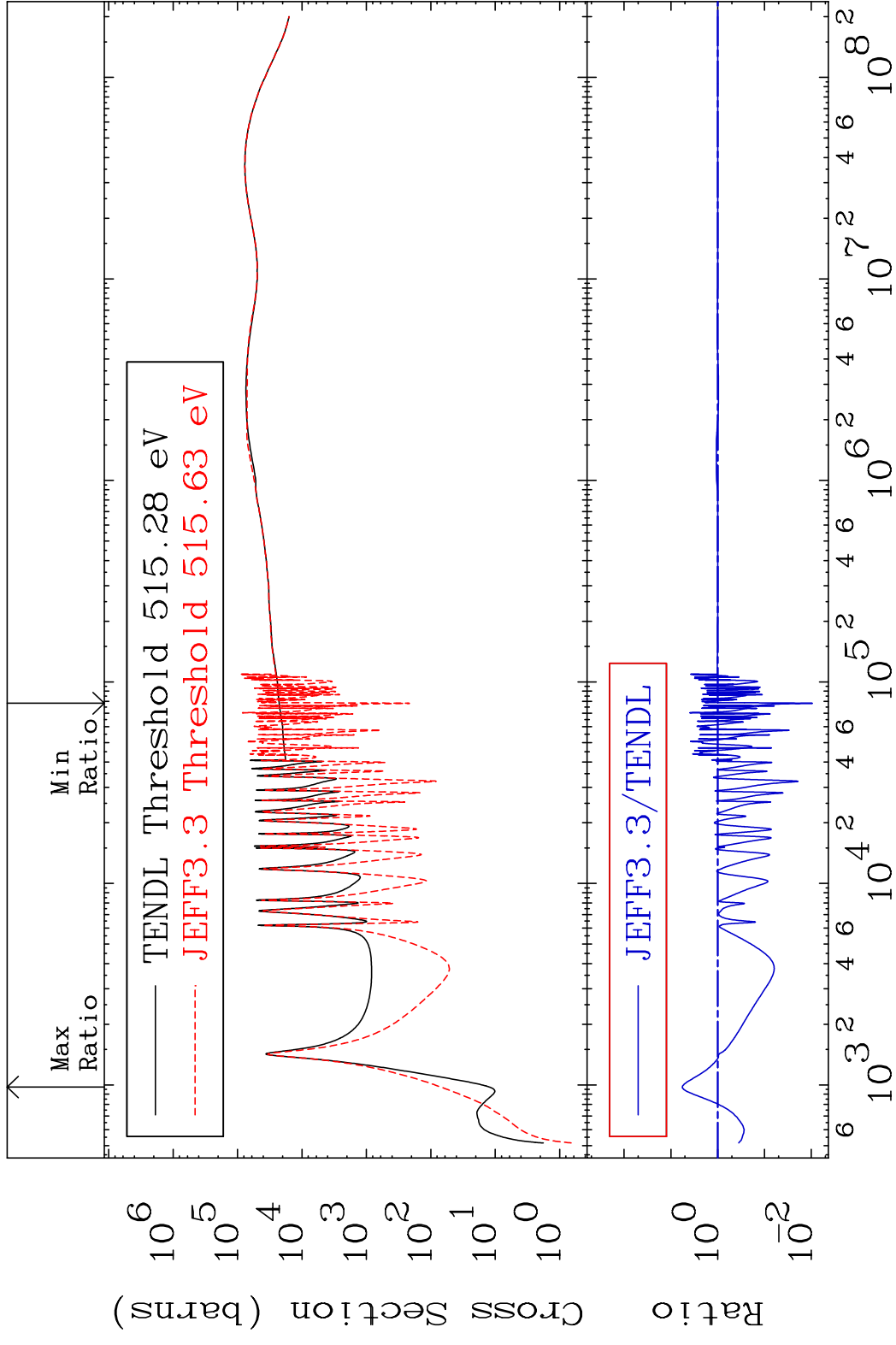


MAT 2325 Dpa total (eV-barns) 23-V -50
 Cross Section -98.97 To 298.5 %



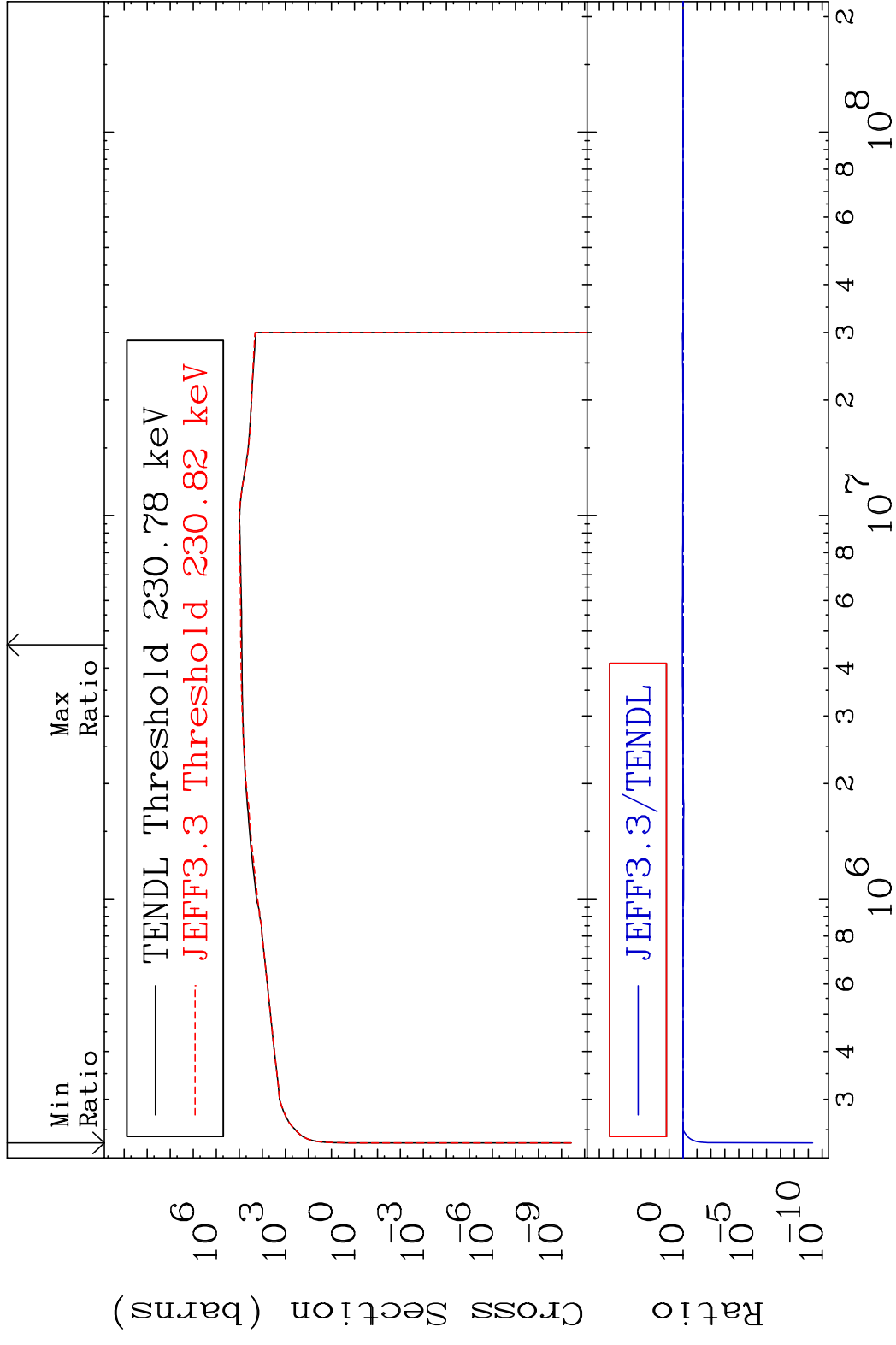
59 Incident Energy (eV) 23-V -50

MAT 2325 Dpa elastic (mt2) 23-V -50
 Cross Section -99.06 To 469.0 %

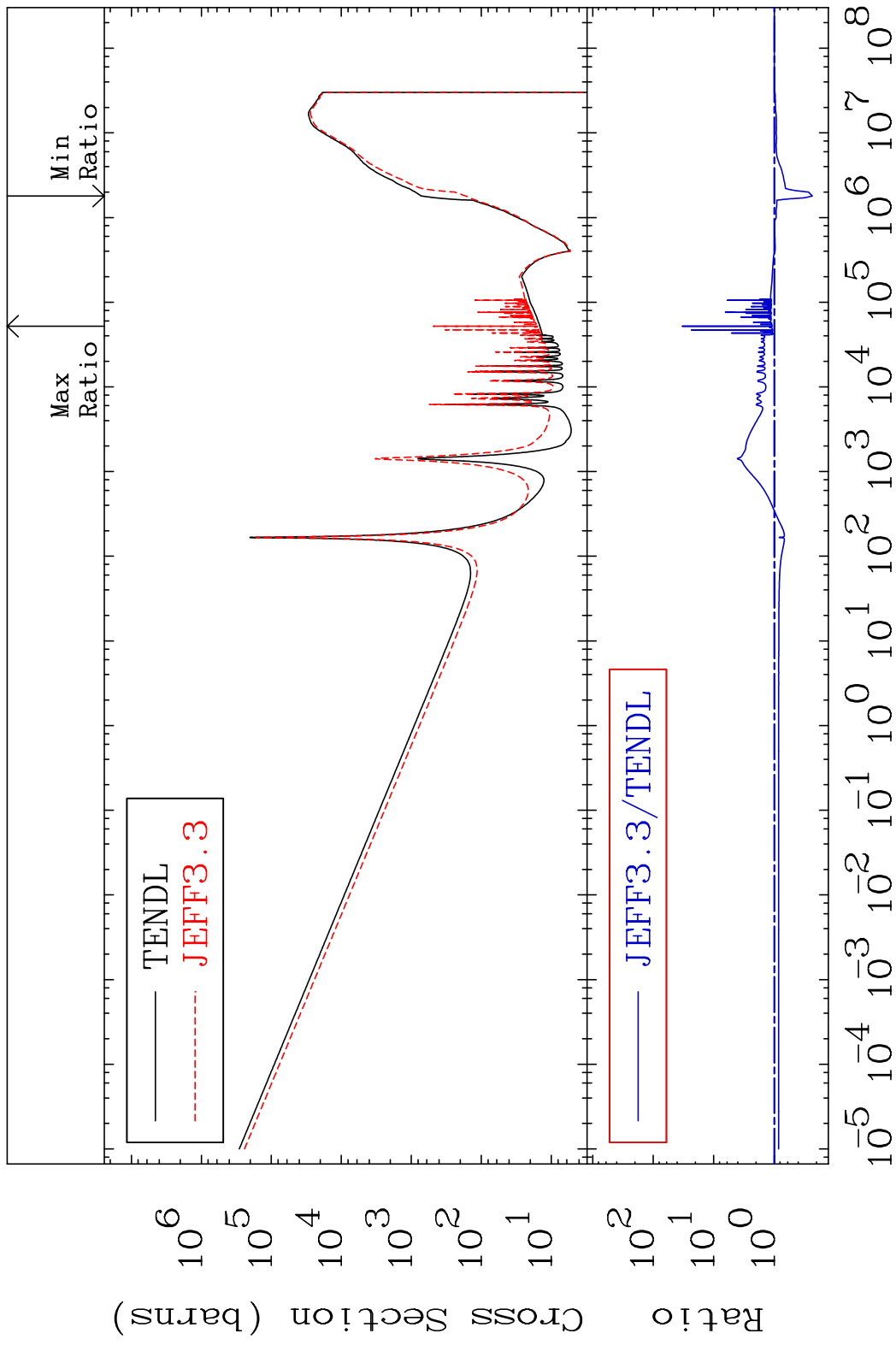


60 Incident Energy (eV) 23-V -50

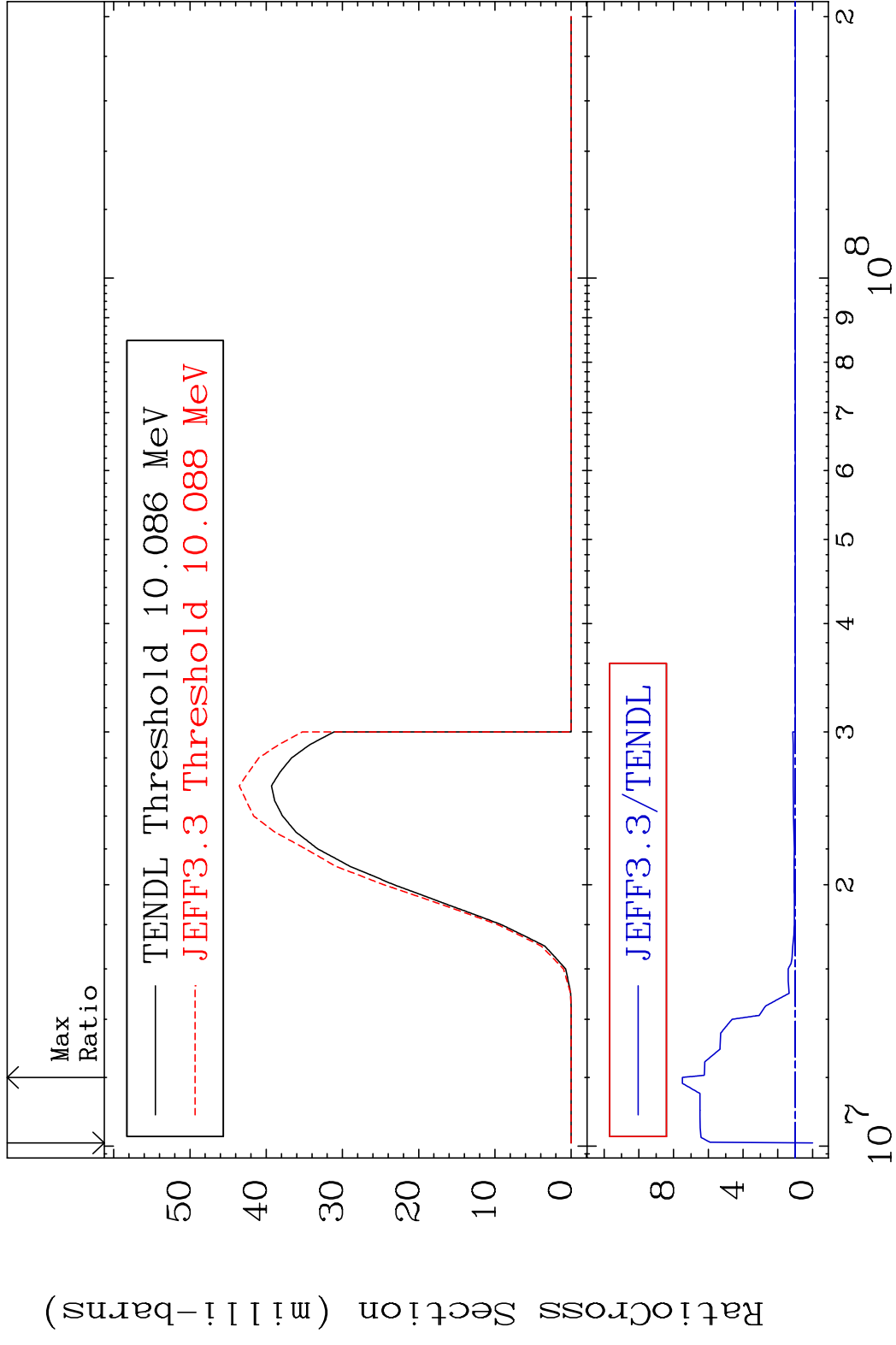
MAT 2325 Dpa inelastic (mt51-91) 23-V -50
 Cross Section -100.0 To 10.77 %



MAT 2325 Dpa disappearance (mt102 -120) 23-V -50
 Cross Section -76.74 To 3195. %

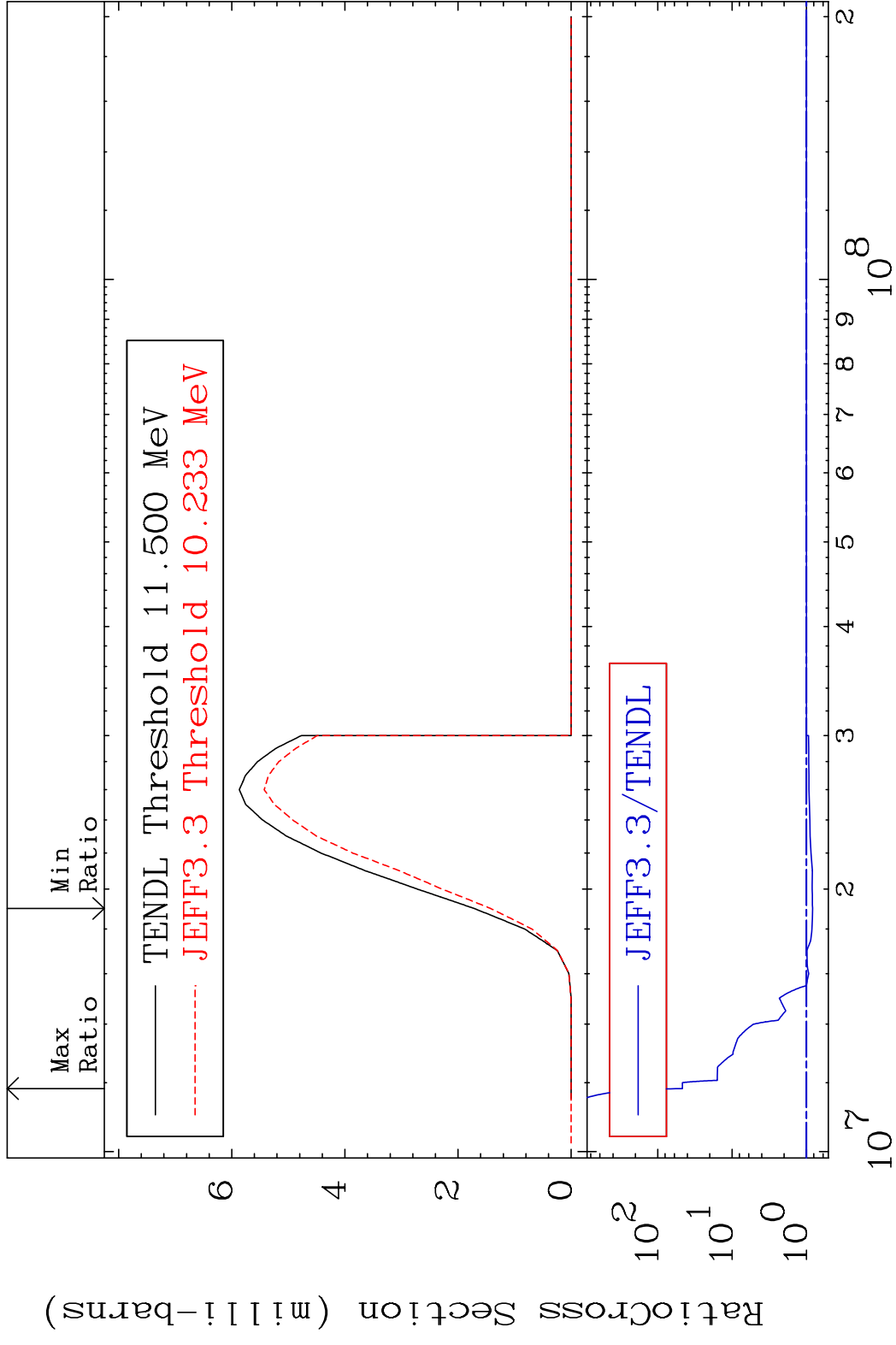


MAT 2325 (n, n') α :21-Sc-46g 23-V -50
 Radionuclide Production Cross Section Ratio 649.5 %



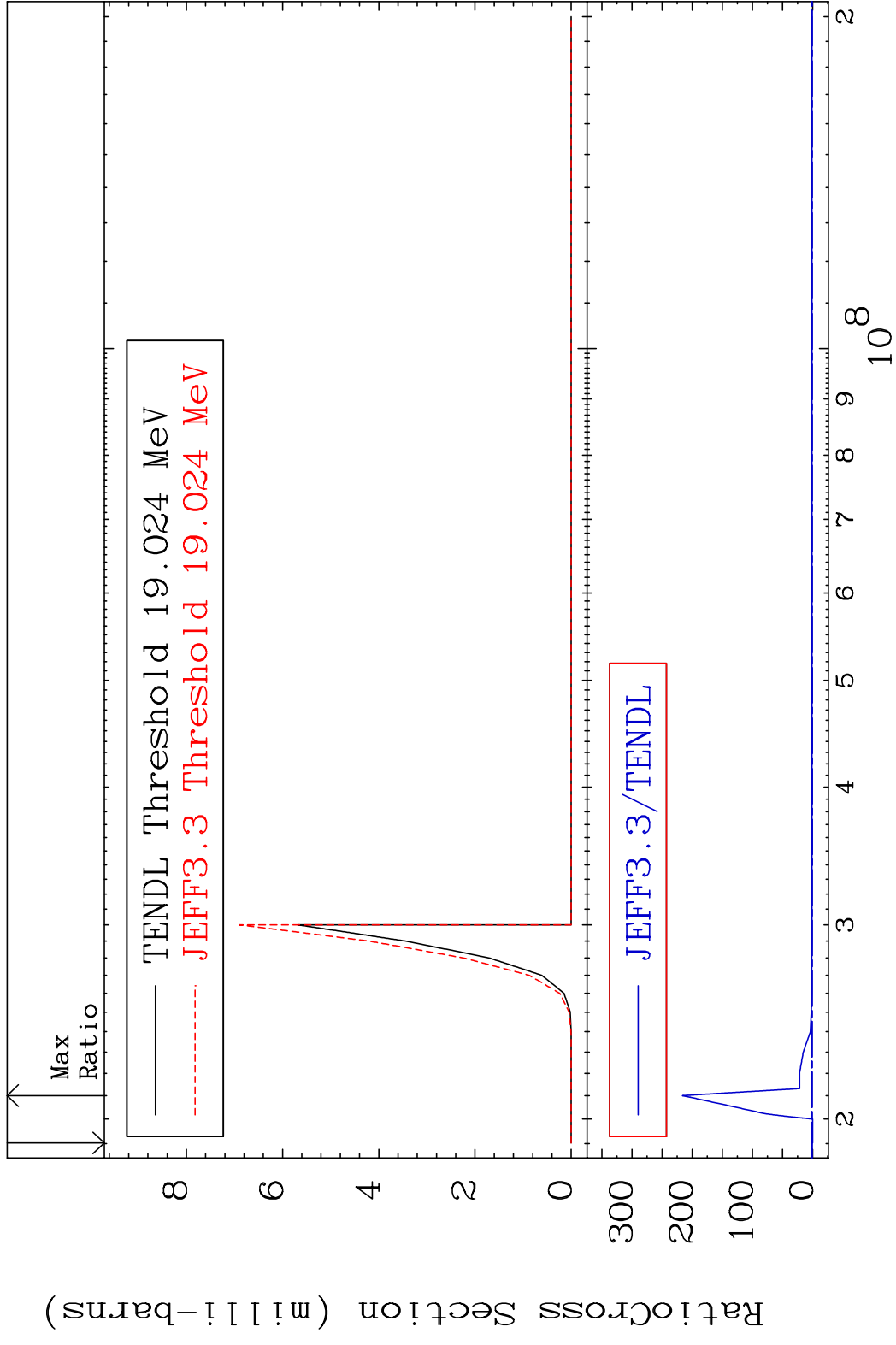
63 Incident Energy (eV) 23-V -50

MAT 2325 (n, n') α :21-Sc-46m2 23-V -50
 Radionuclide Production Cross Section 4576. %



64 Incident Energy (eV) 23-V -50

MAT 2325 (n,2n) α :21-Sc-45g 23-V -50
 Radionuclide Production Cross Section 180c01 d10 9999. %



MAT 2325 (n,2n) α :21-Sc-45m1 23-V -50
 Radionuclide Production Cross Section Ratio 9999. %

