

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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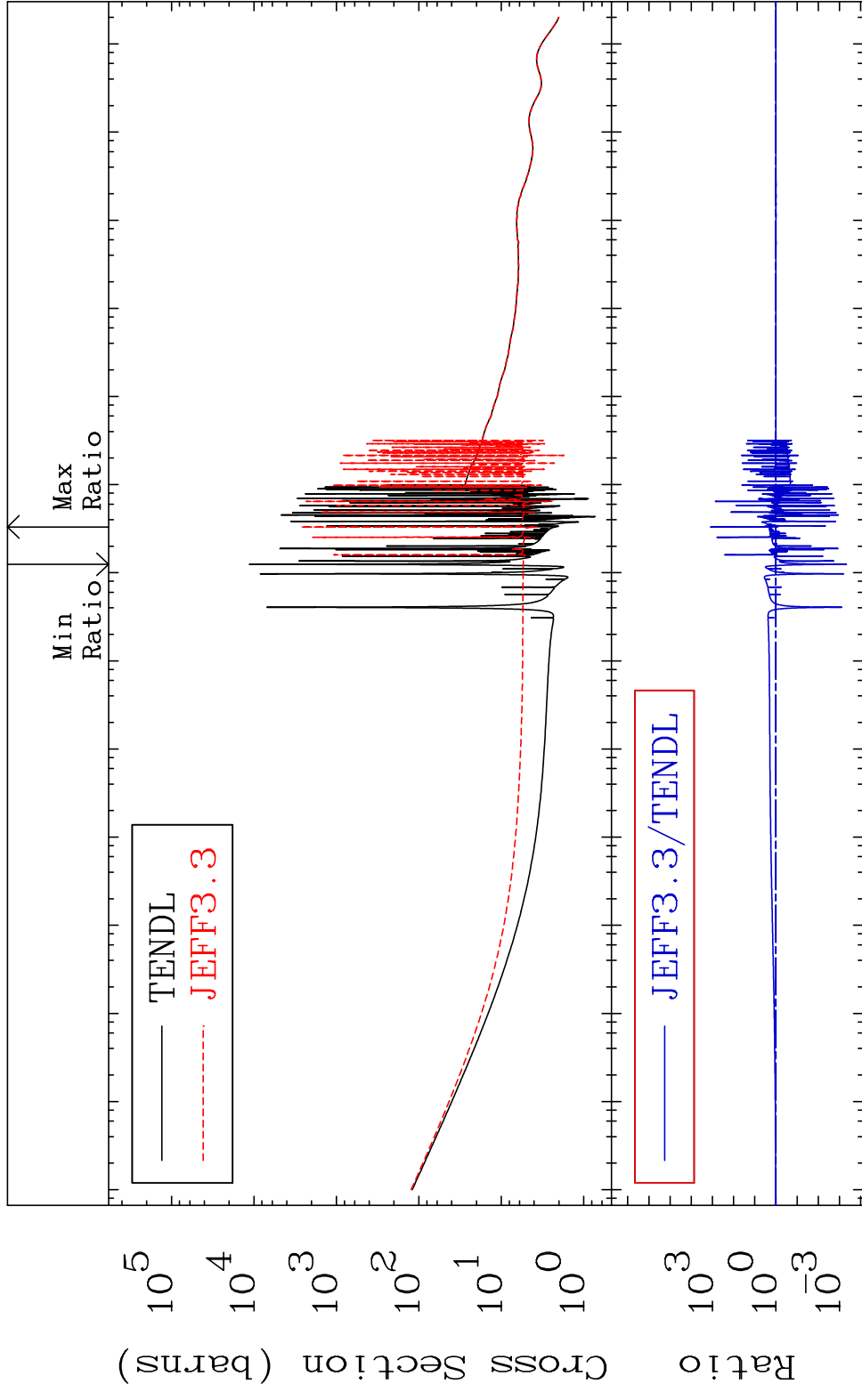
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 5225

Total Cross Section
52-Te-120
-99.95 To 9999. %



1 Incident Energy (eV) 52-Te-120

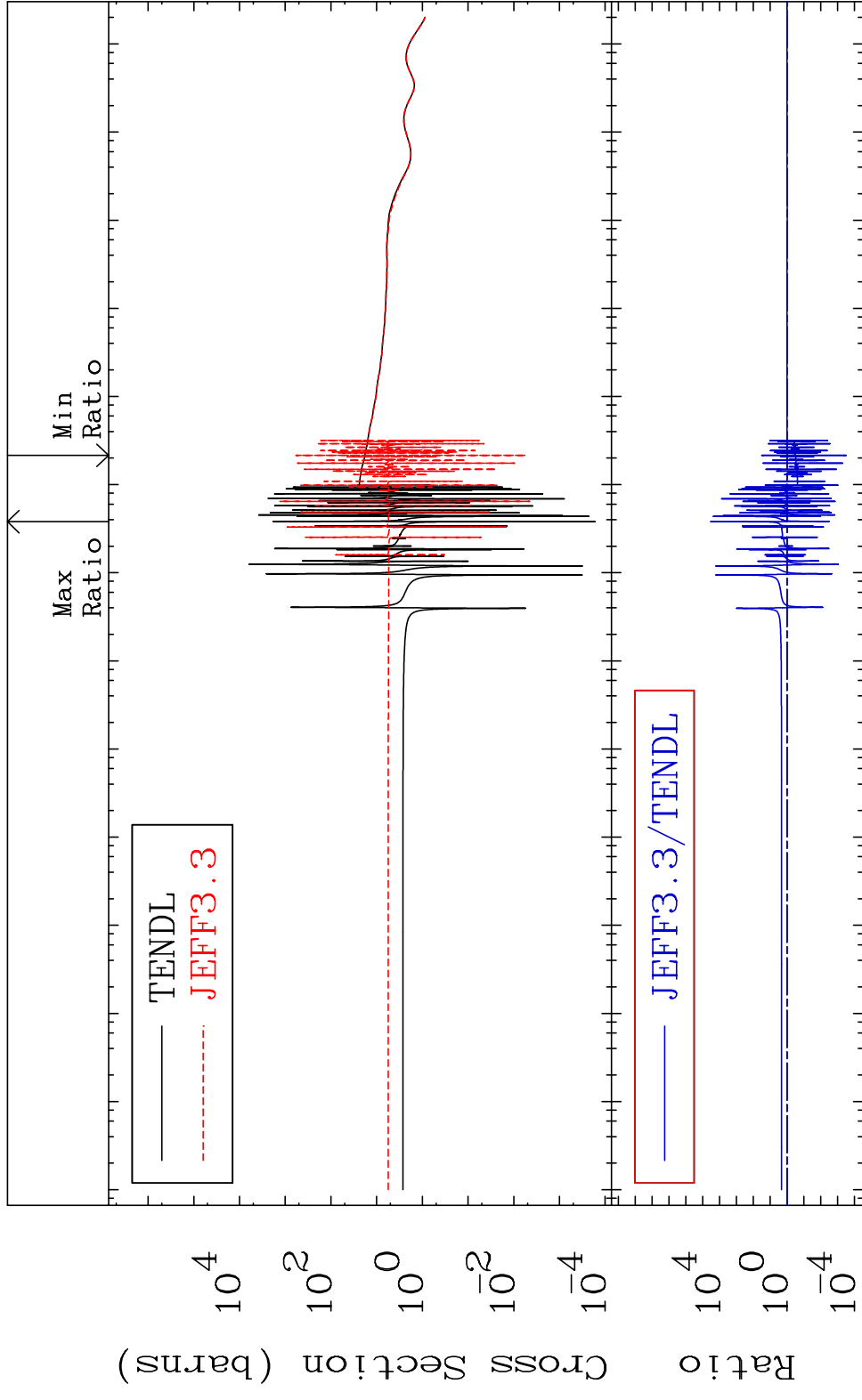
MAT 5225

Elastic

52-Te-120

Cross Section

-99.97 To 9999. %



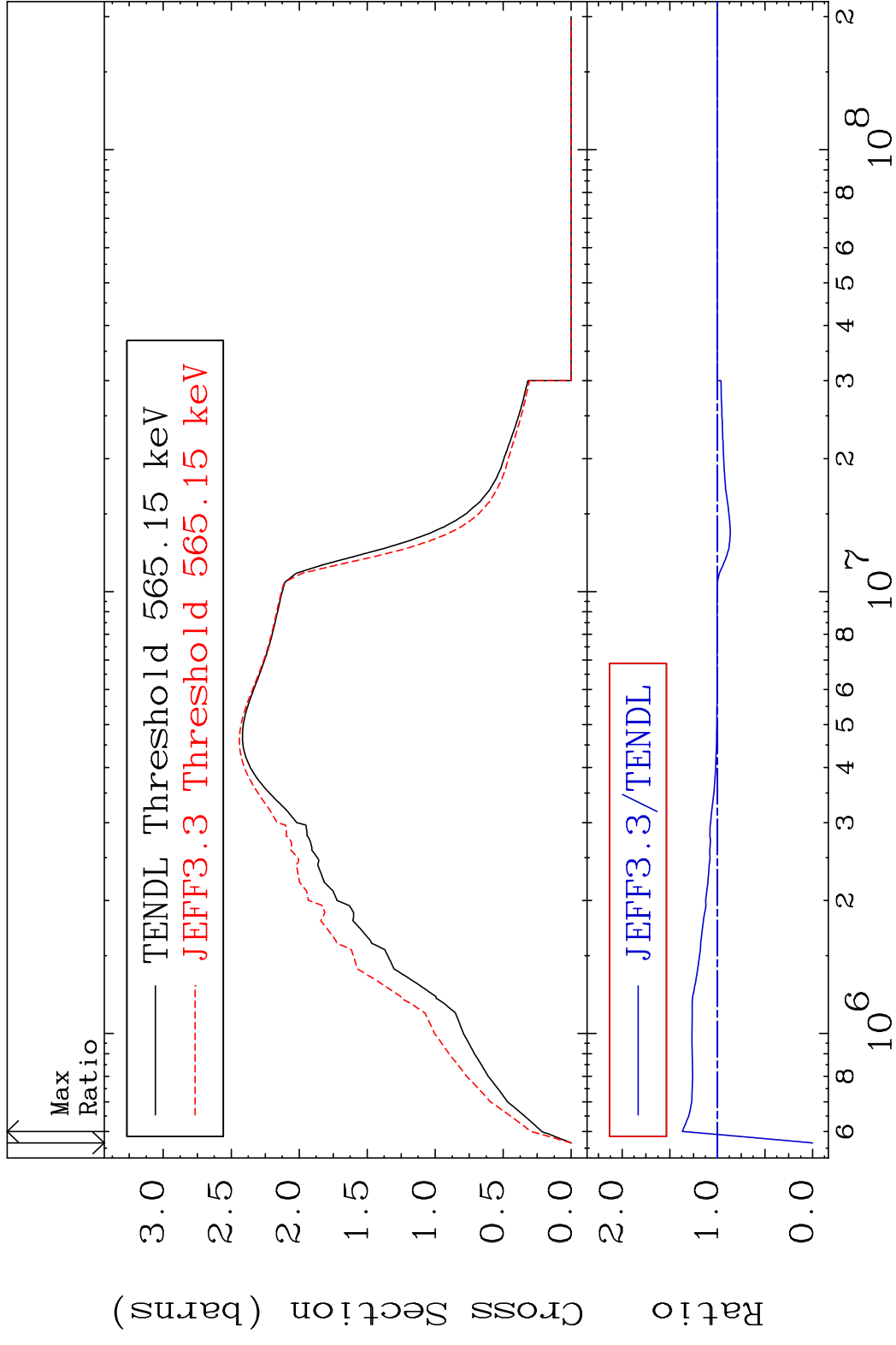
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

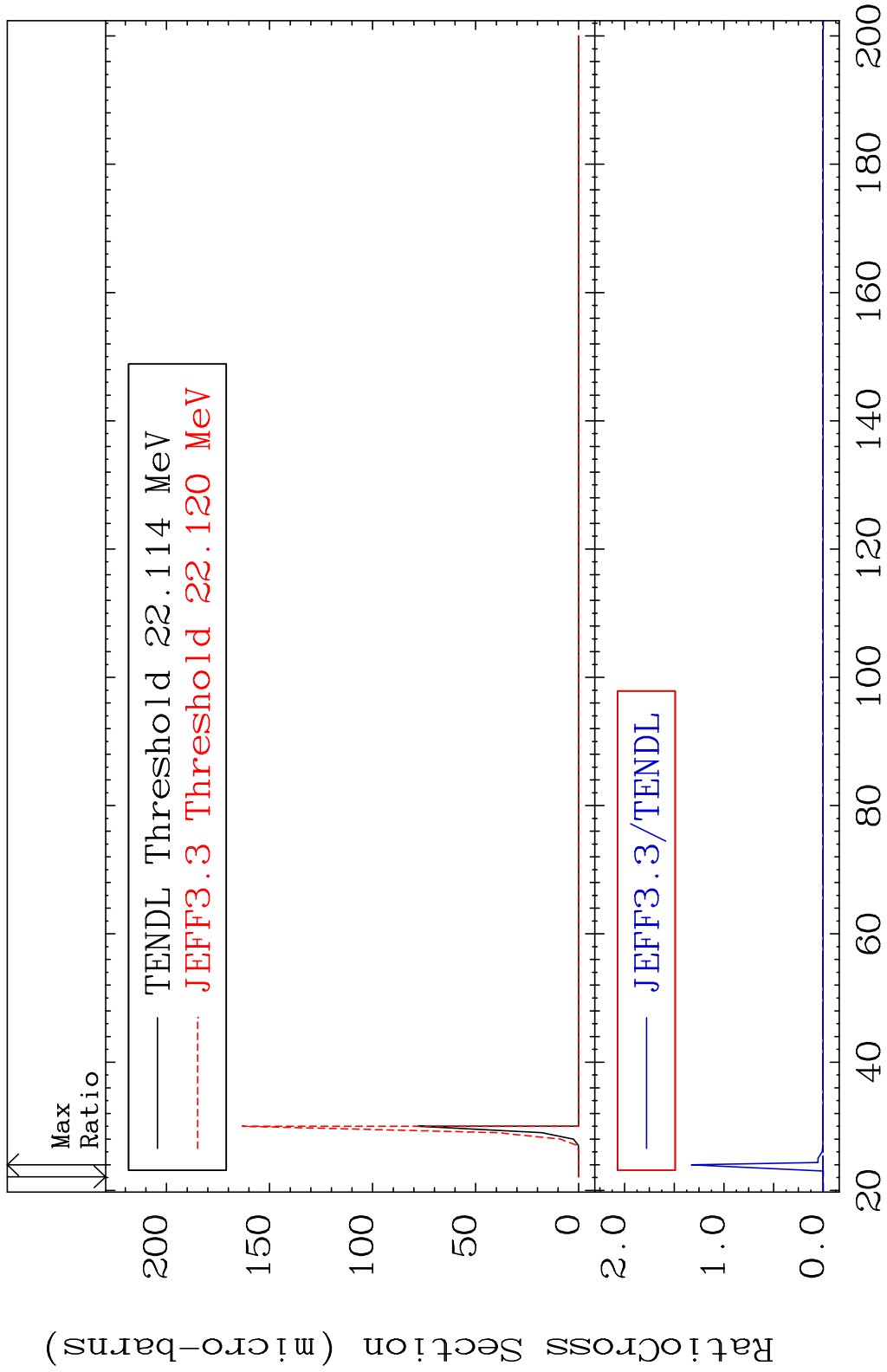
52-Te-120

MAT 5225 Inelastic 52-Te-120
 Cross Section -100.0 To 36.81 %



3 Incident Energy (eV) 52-Te-120

MAT 5225 (n,2n) d 52-Te-120
 Cross Section -100.0 To 9999. %



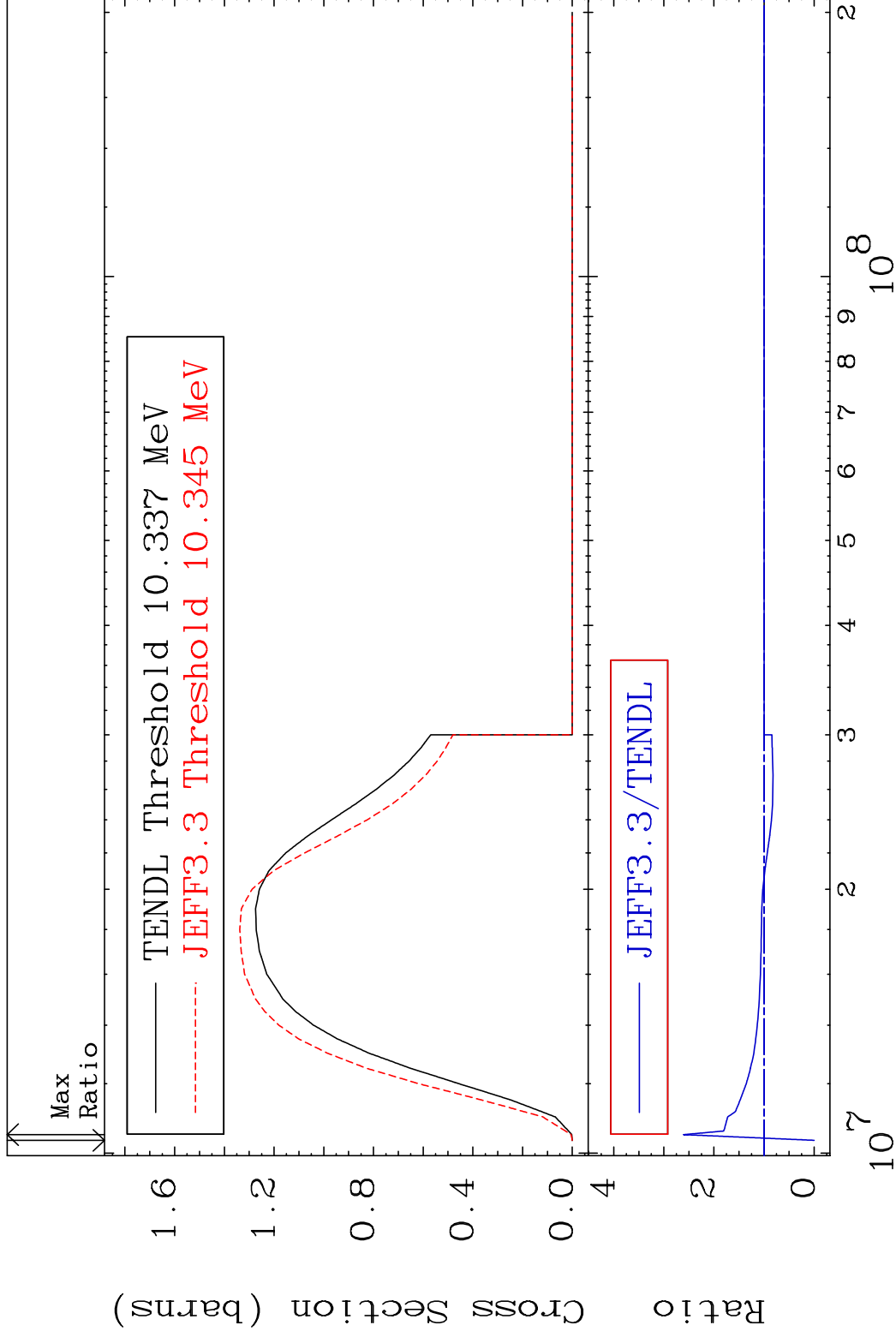
4 Incident Energy (MeV) 52-Te-120

MAT 5225

(n,2n)

52-Te-120

Cross Section -100.0 To 160.4 %

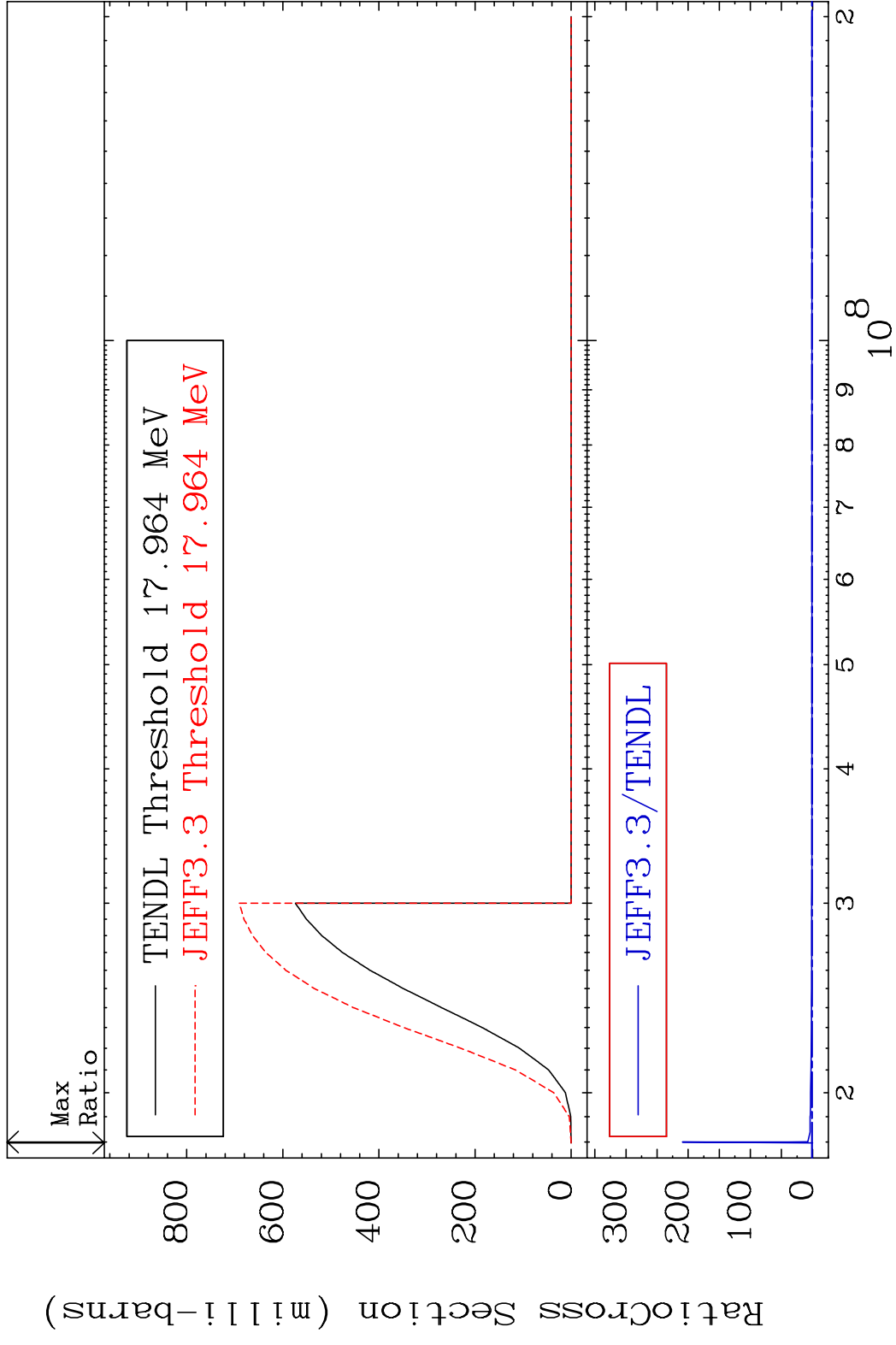


5

Incident Energy (eV)

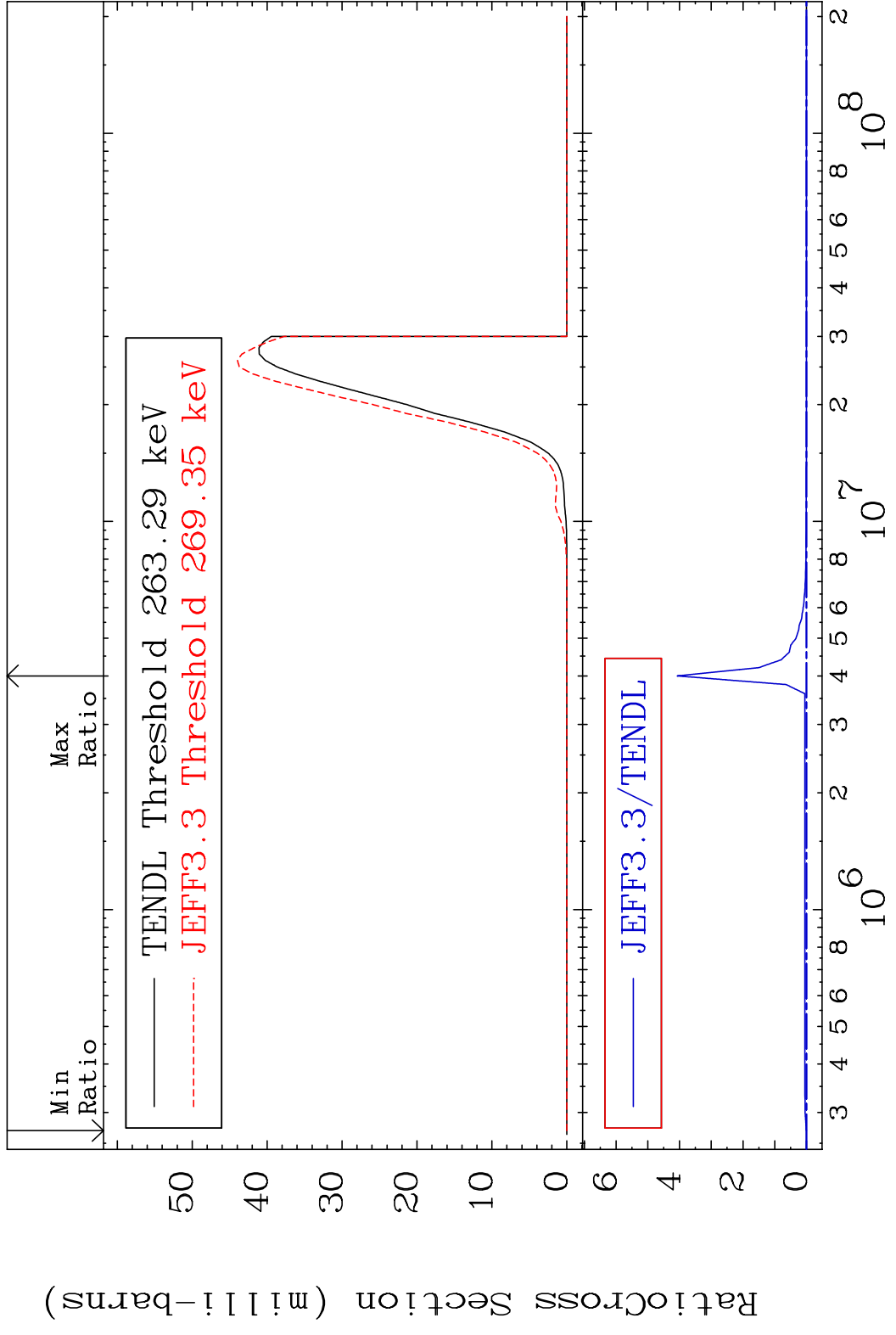
52-Te-120

MAT 5225 (n,3n) 52-Te-120
 Cross Section -100.0 To 9999. %



6 Incident Energy (eV) 52-Te-120

MAT 5225 (n, n') α 52-Te-120
 Cross Section -100.0 To 9999. %

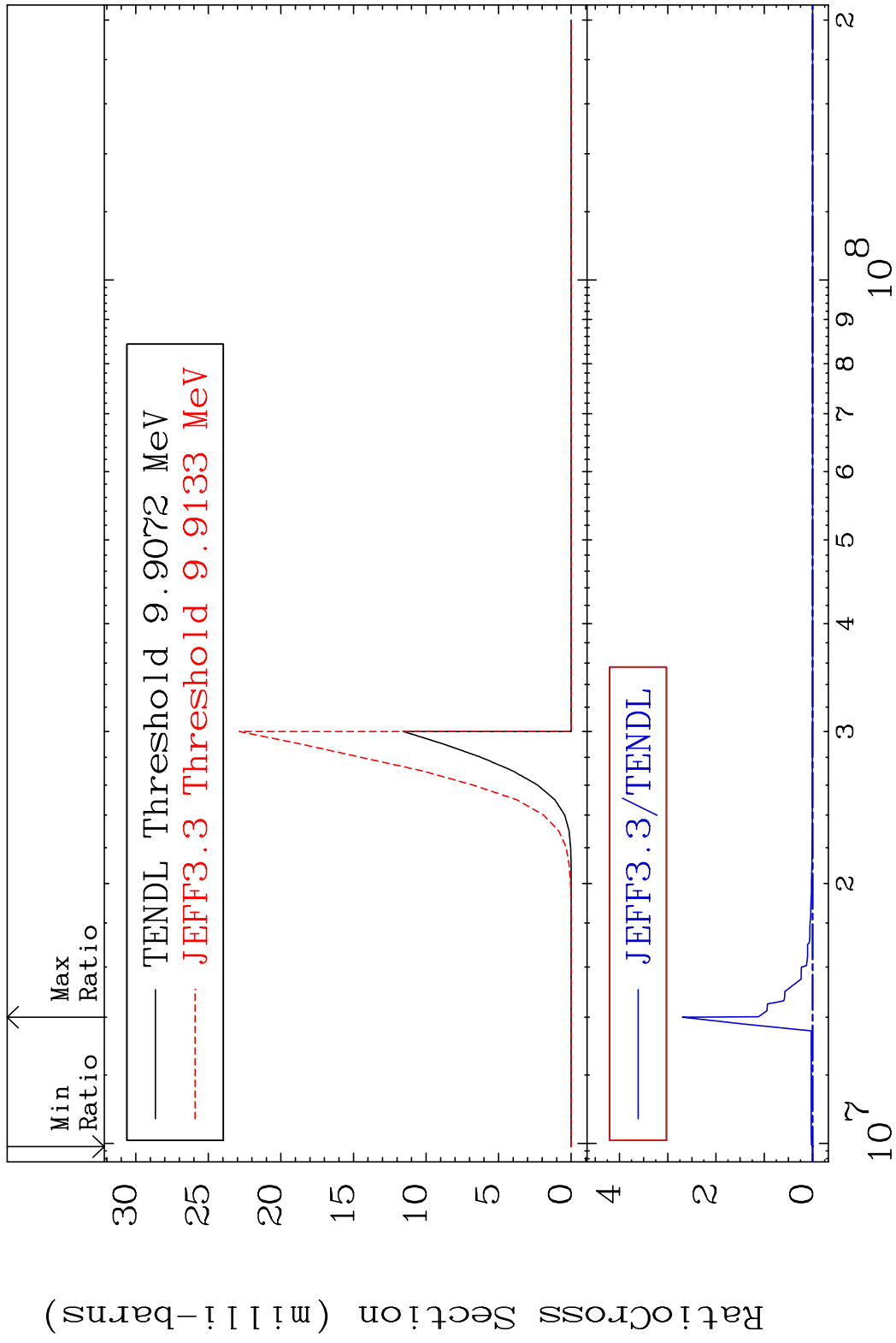


MAT 5225

(n,2n) α

52-Te-120

Cross Section -100.0 To 9999. %

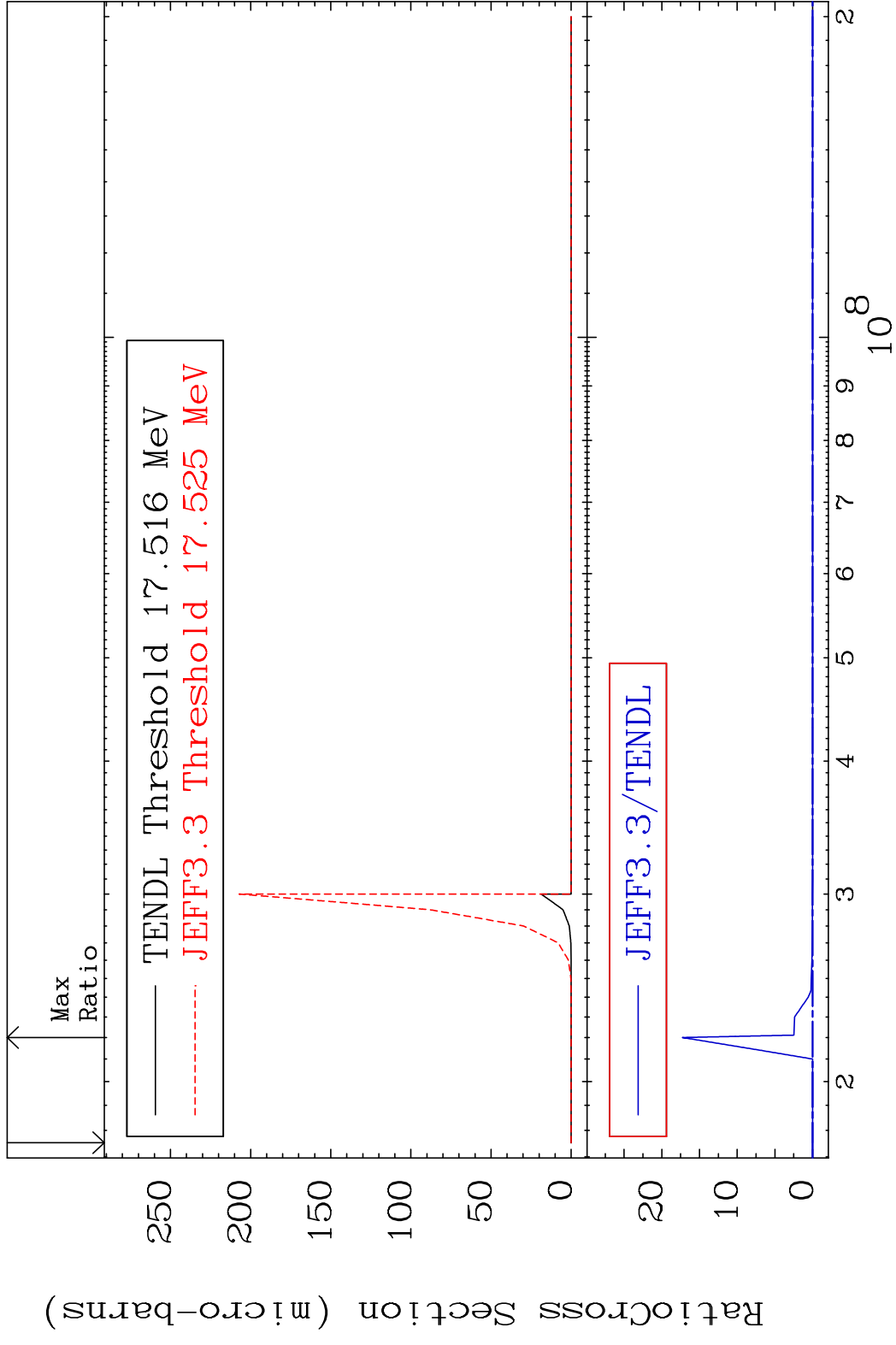


8

Incident Energy (eV)

52-Te-120

MAT 5225 (n,3n) α 52-Te-120
 Cross Section -100.0 To 9999. %

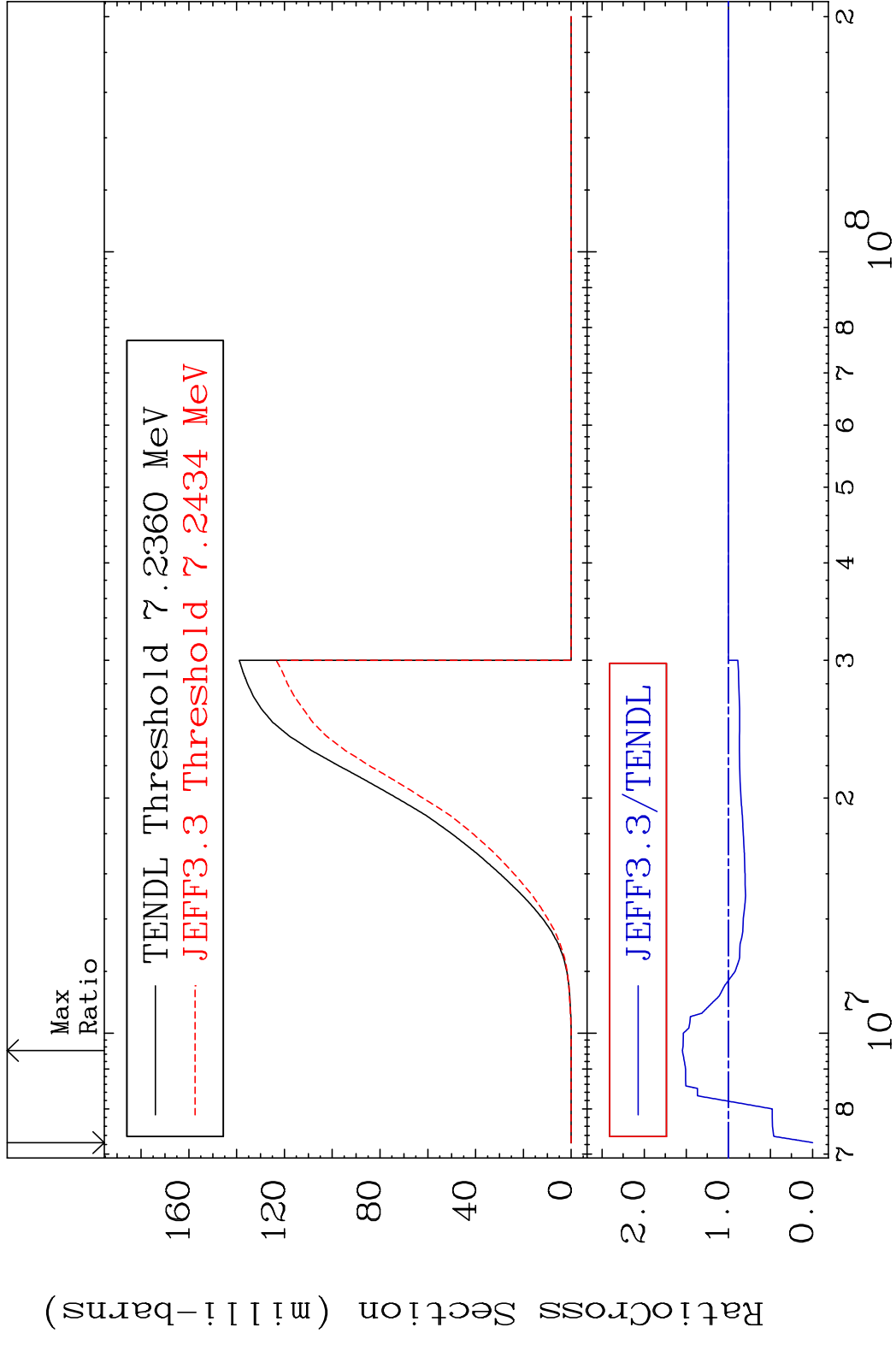


MAT 5225

(n, n') p

52-Te-120

Cross Section -100.0 To 54.67 %

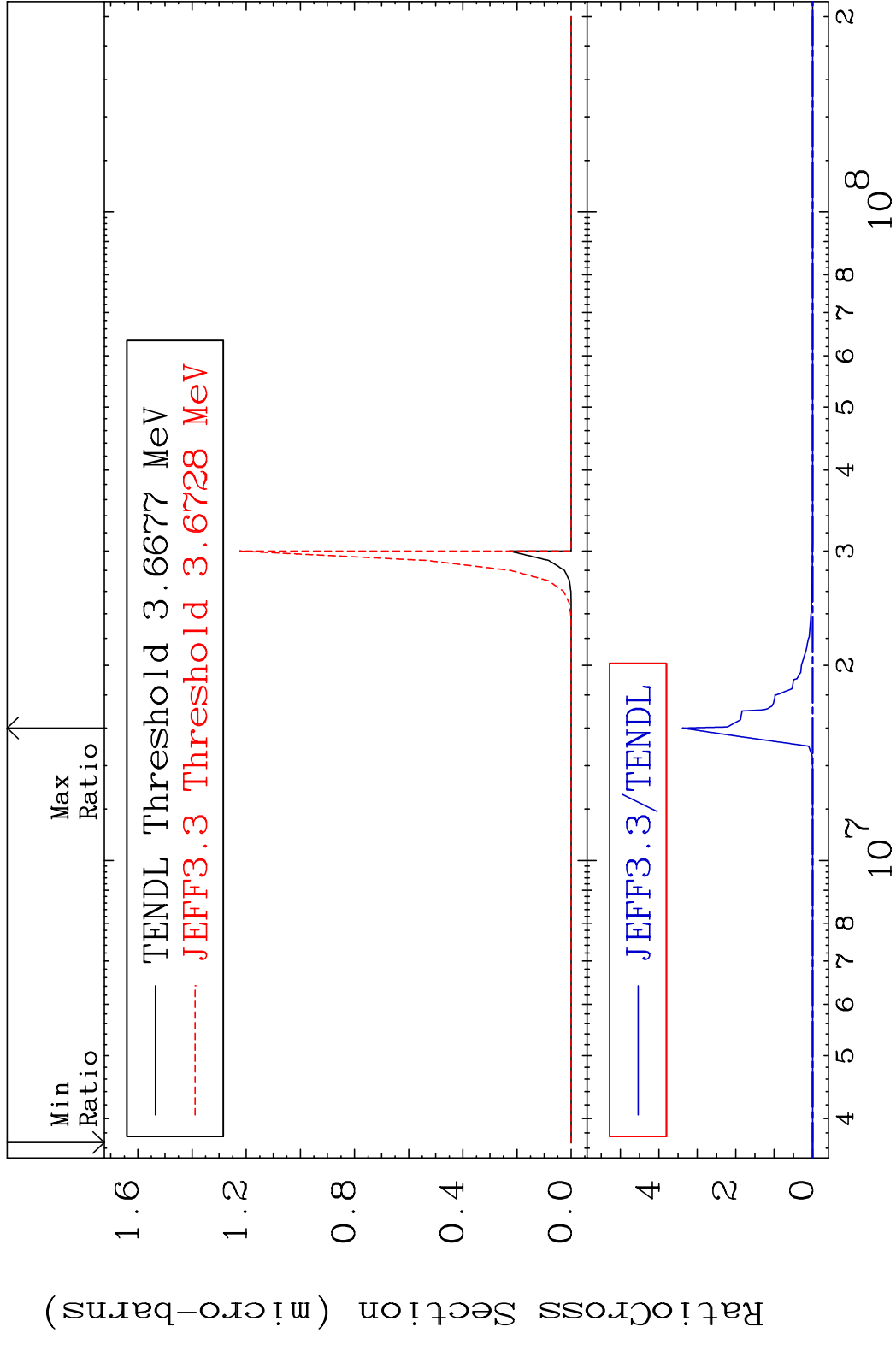


10

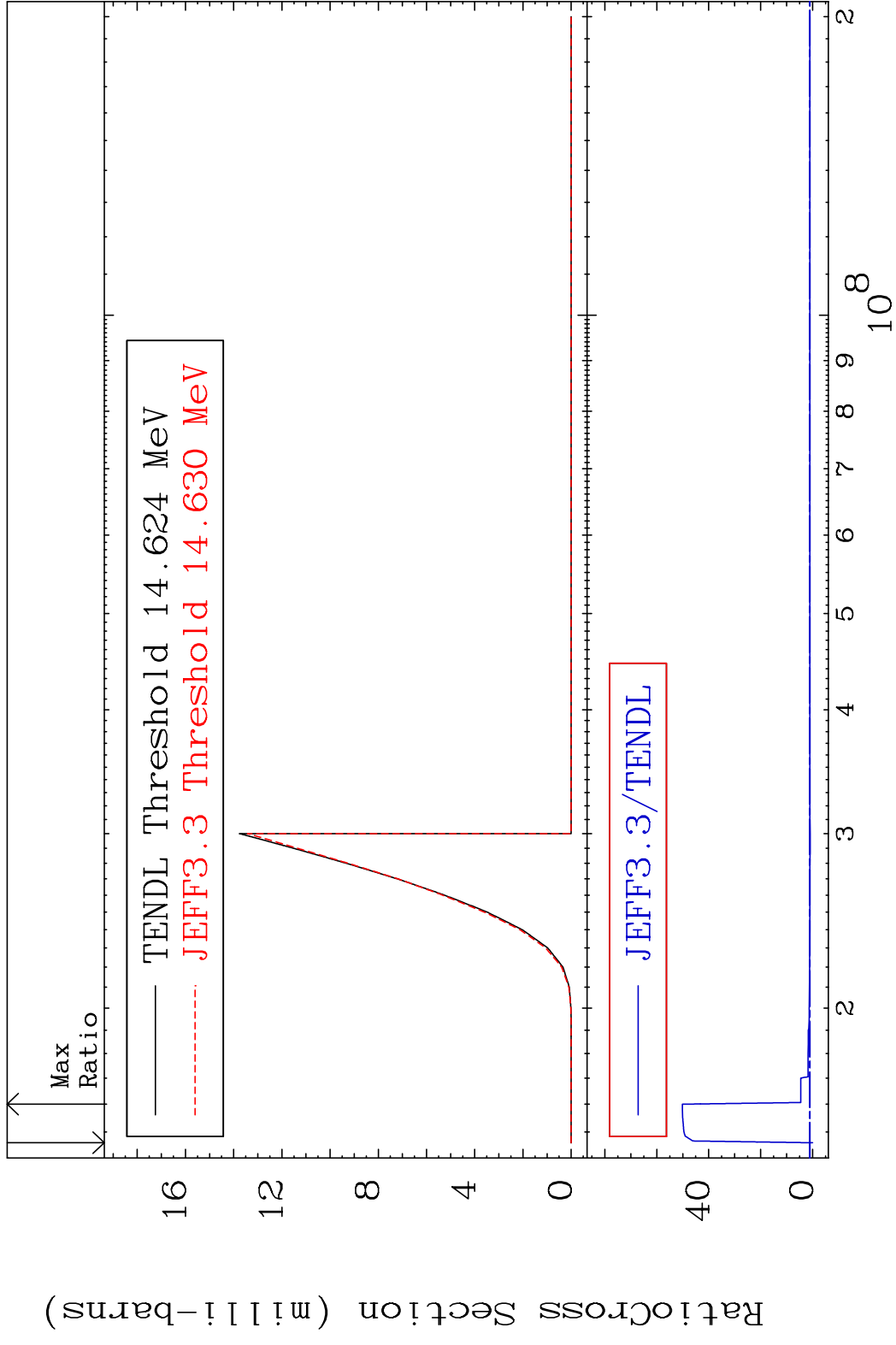
Incident Energy (eV)

52-Te-120

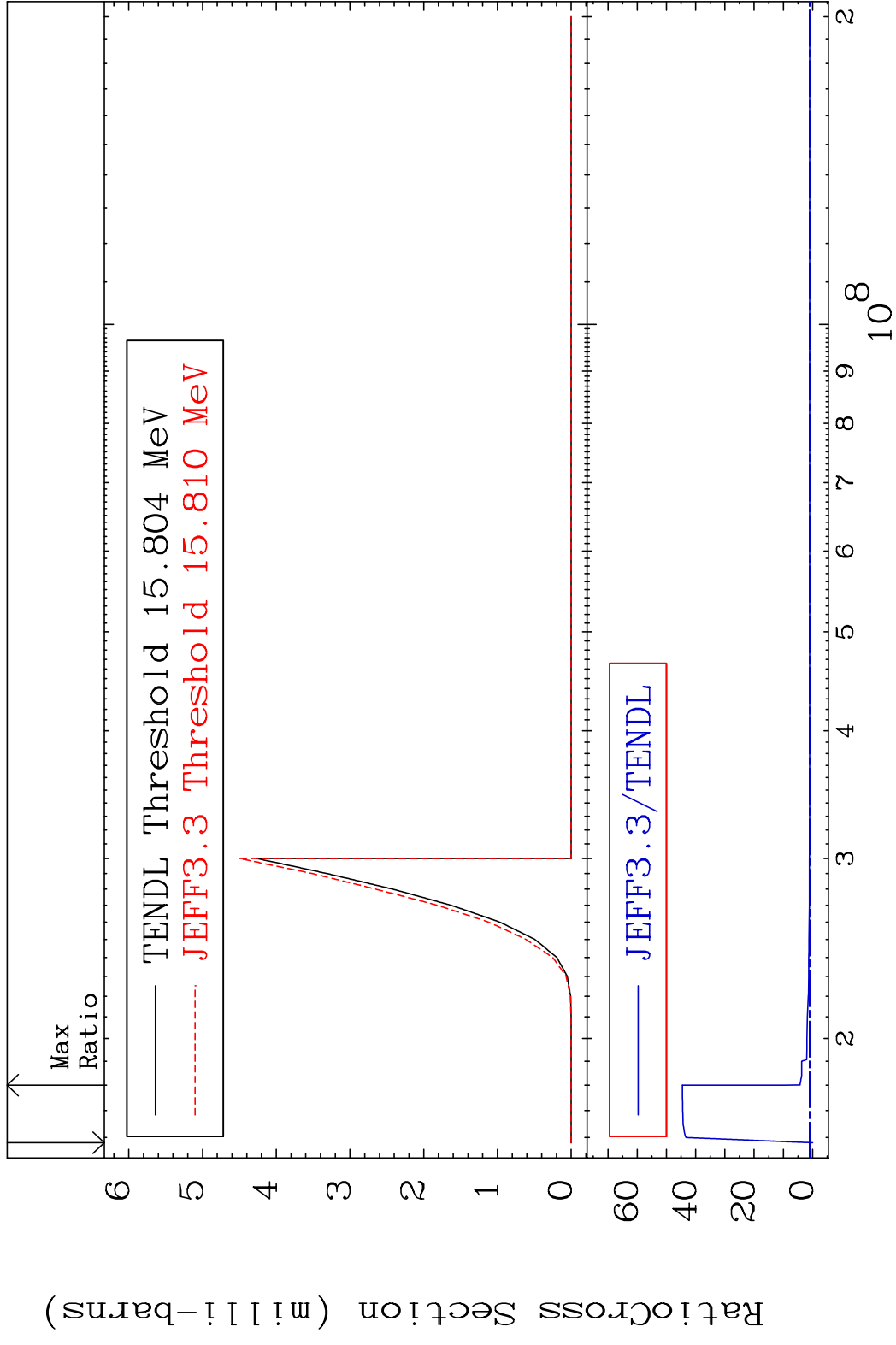
MAT 5225 (n, n') 2α 52-Te-120
 Cross Section -100.0 To 9999. %



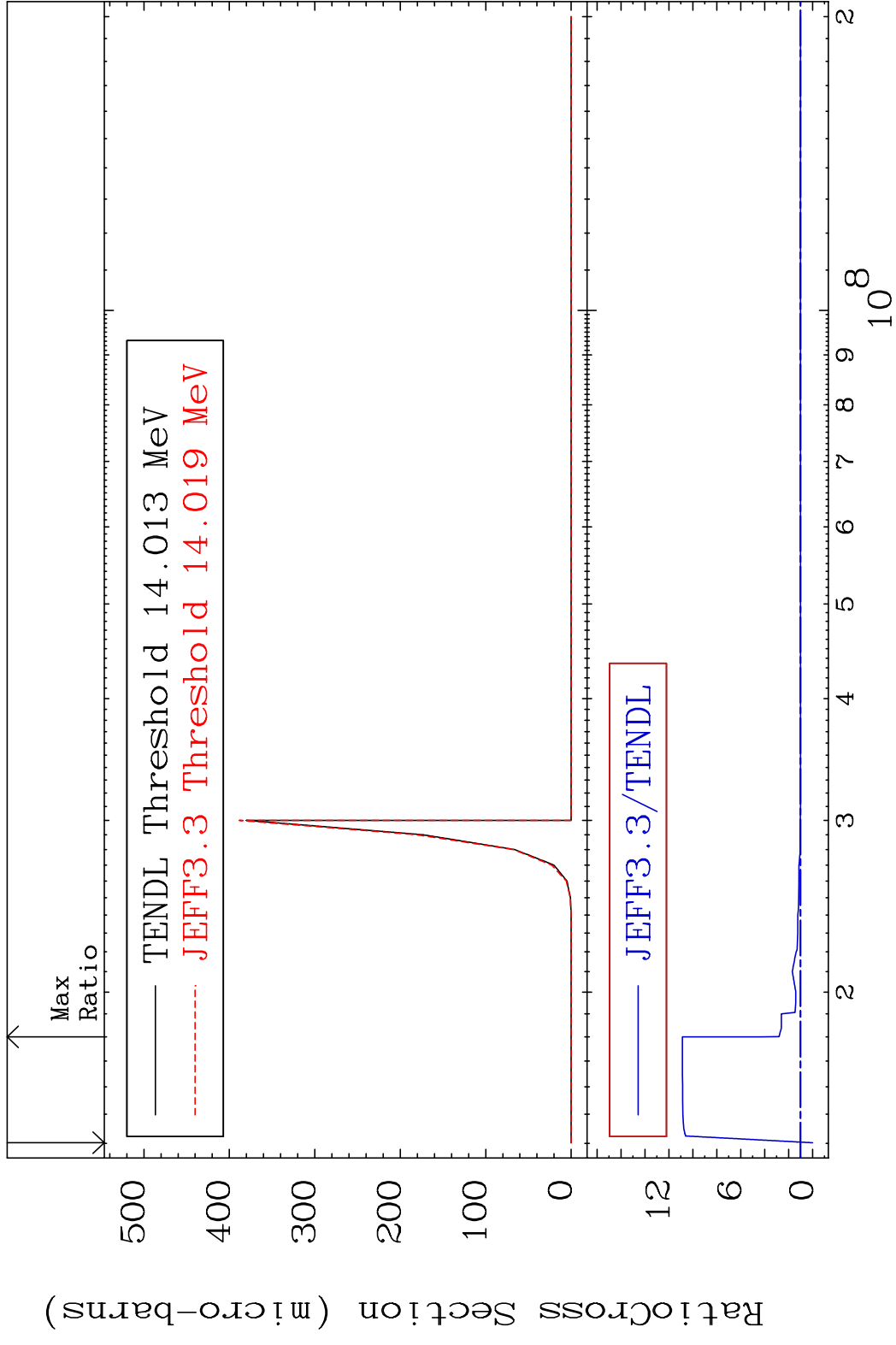
MAT 5225 (n, n') d 52-Te-120
 Cross Section -100.0 To 4915. %



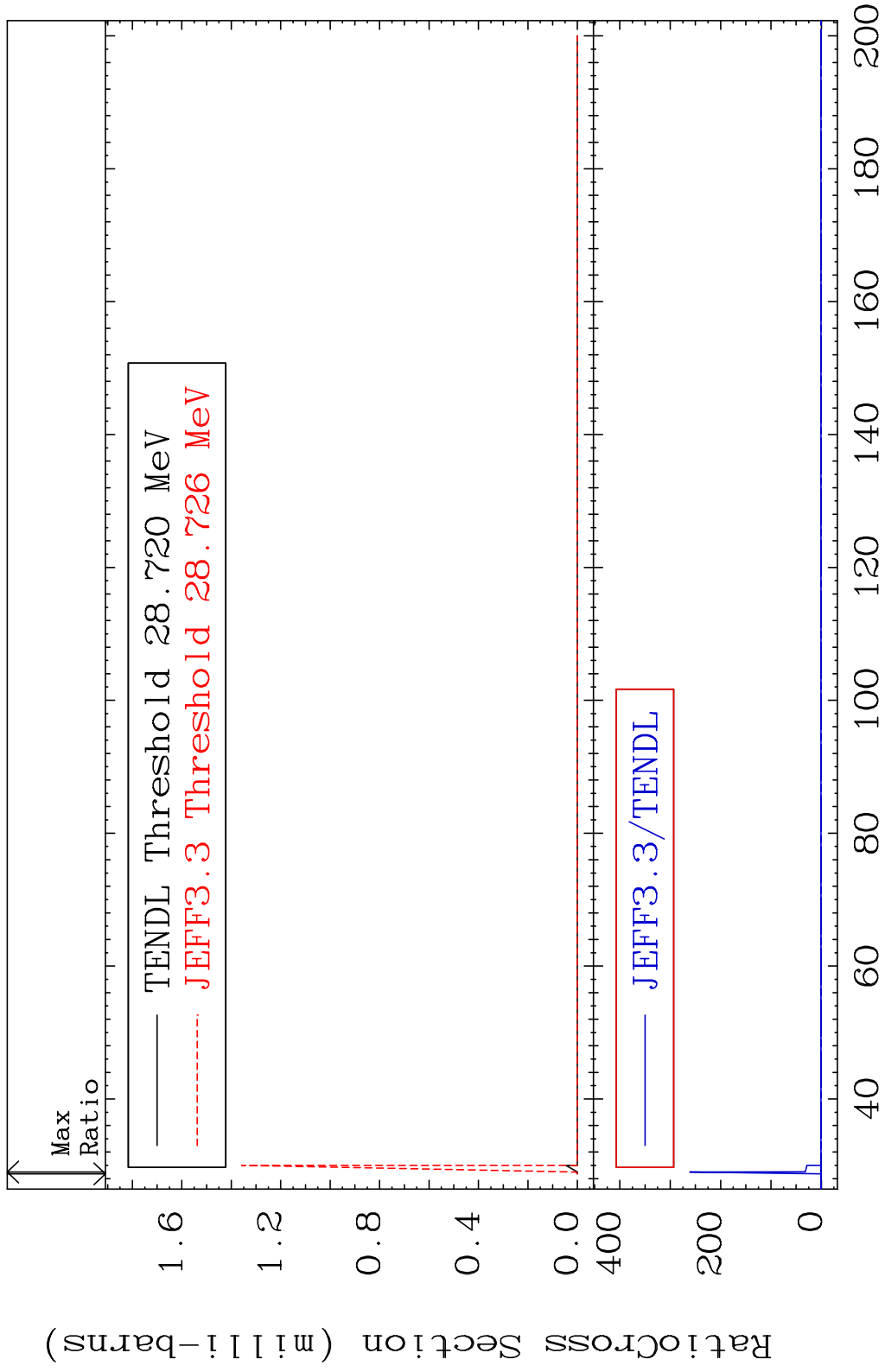
MAT 5225 (n, n') t 52-Te-120
 Cross Section -100.0 To 4354. %



MAT 5225 (n,n') He-3 52-Te-120
 Cross Section -100.0 To 987.6 %



MAT 5225 (n,4n) 52-Te-120
 Cross Section -100.0 To 9999. %

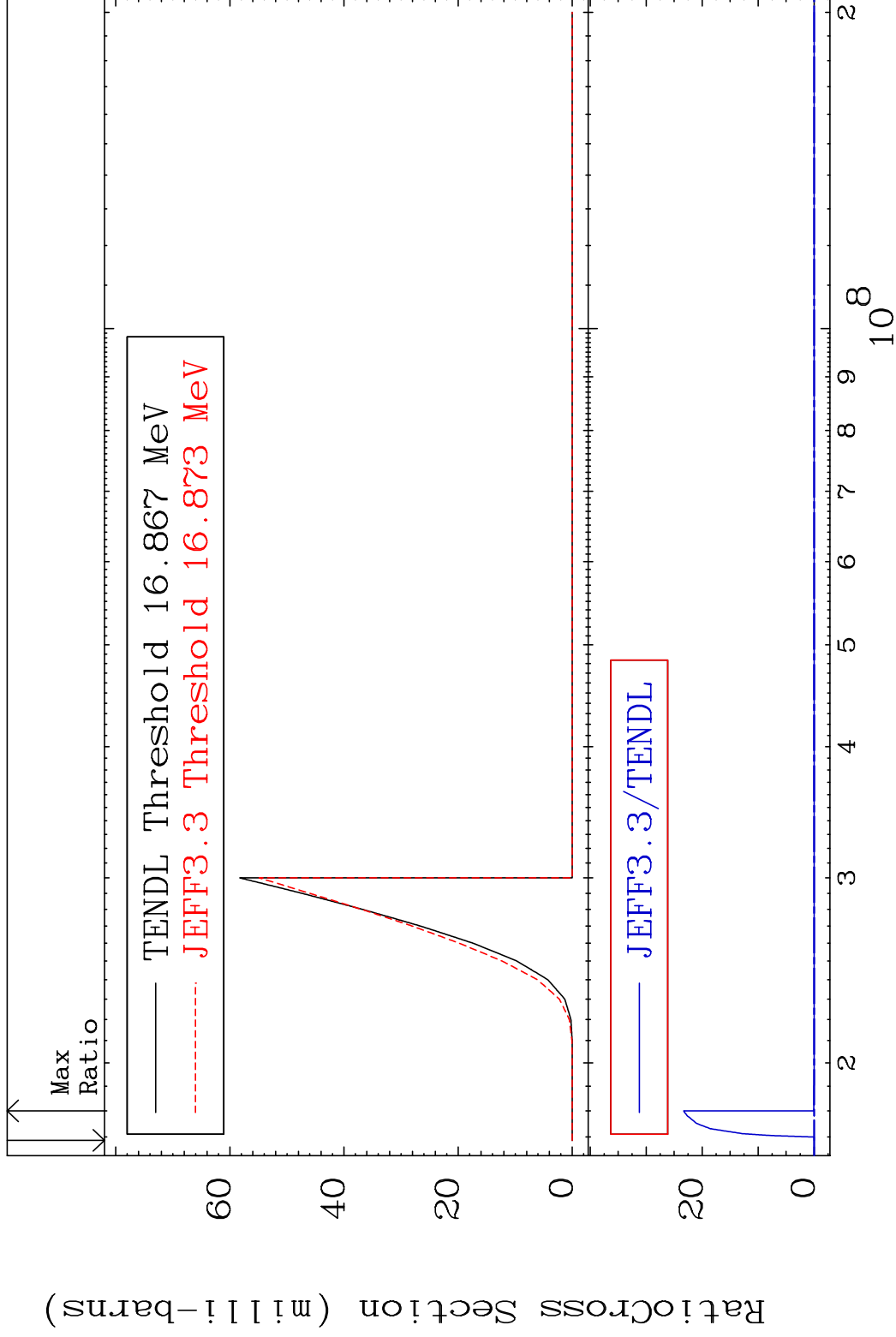


MAT 5225

(n,2n) p

52-Te-120

Cross Section -100.0 To 9999. %

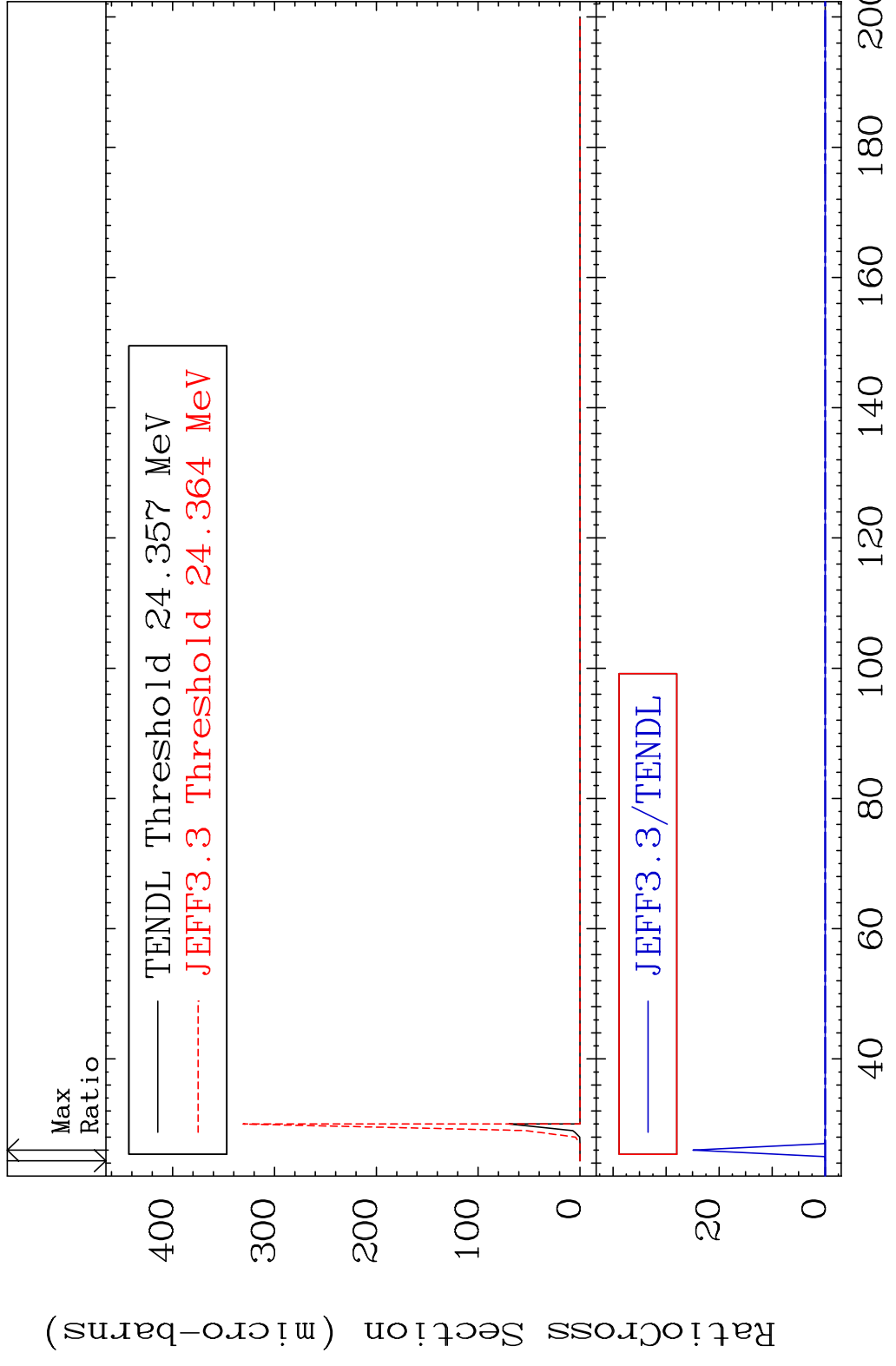


16

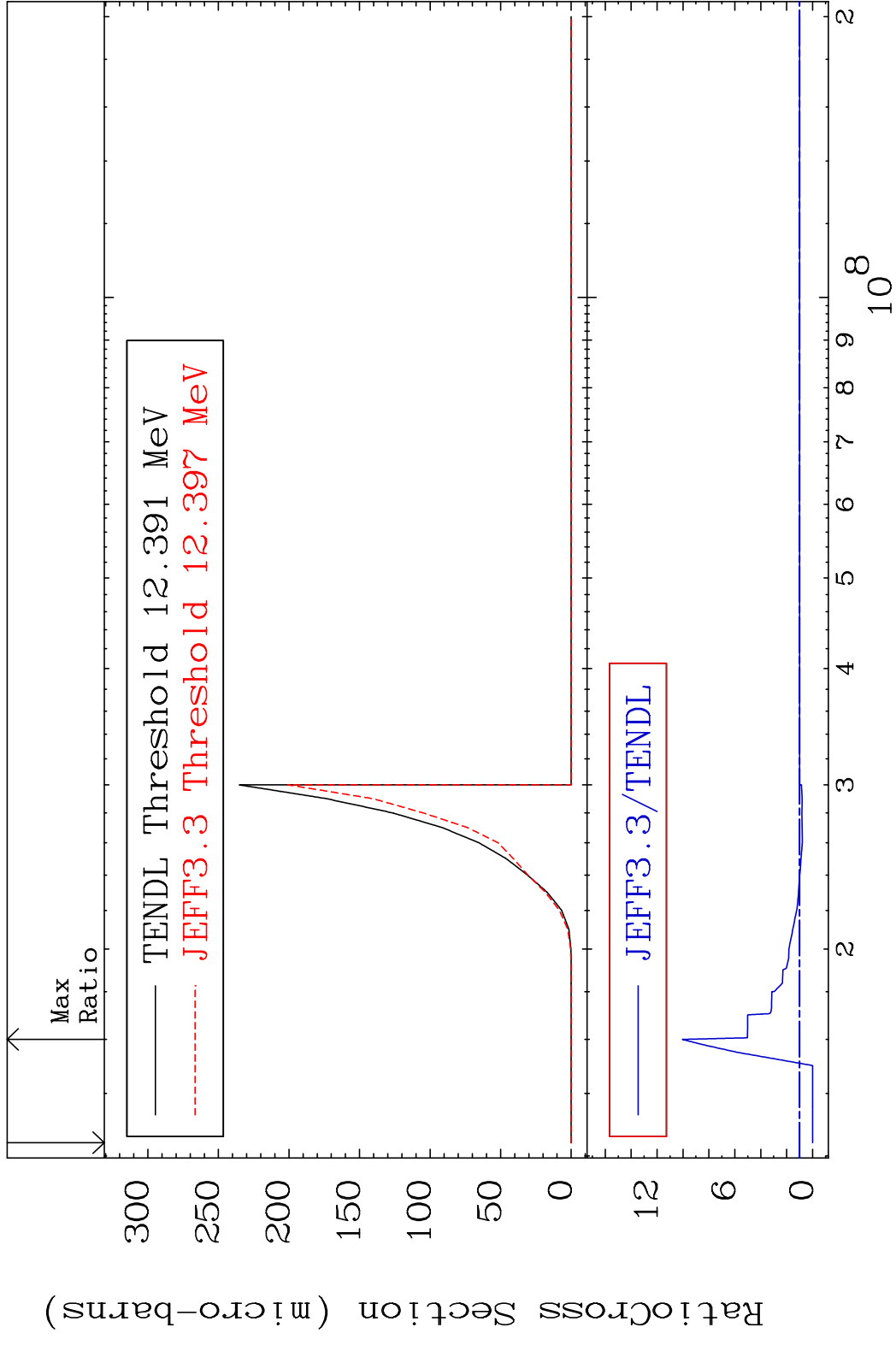
Incident Energy (eV)

52-Te-120

MAT 5225 (n,3n) p 52-Te-120
 Cross Section -100.0 To 9999. %



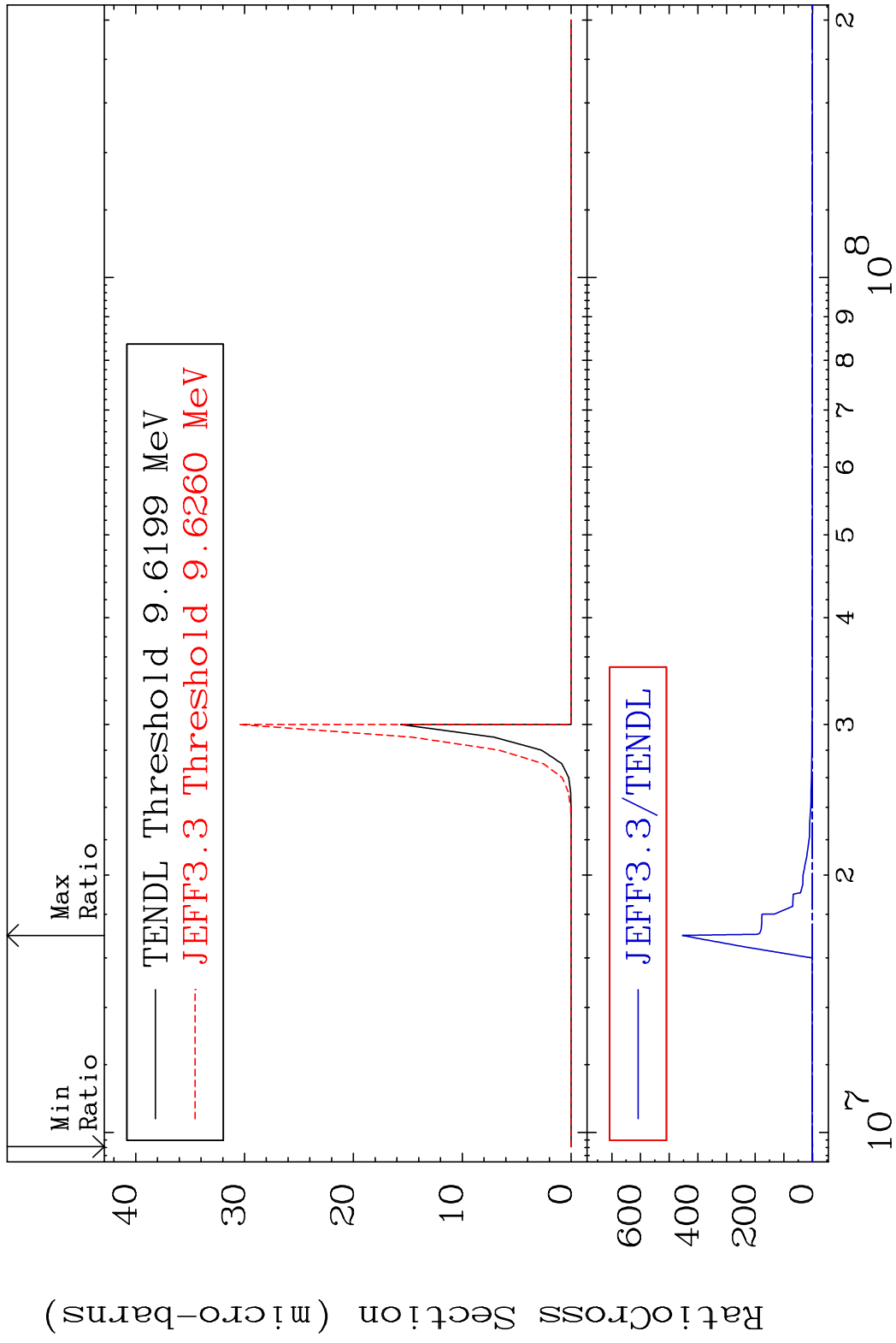
MAT 5225 (n,2n) p 52-Te-120
 Cross Section -100.0 To 904.8 %



MAT 5225

(n,n') p α 52-Te-120

Cross Section -100.0 To 9999. %

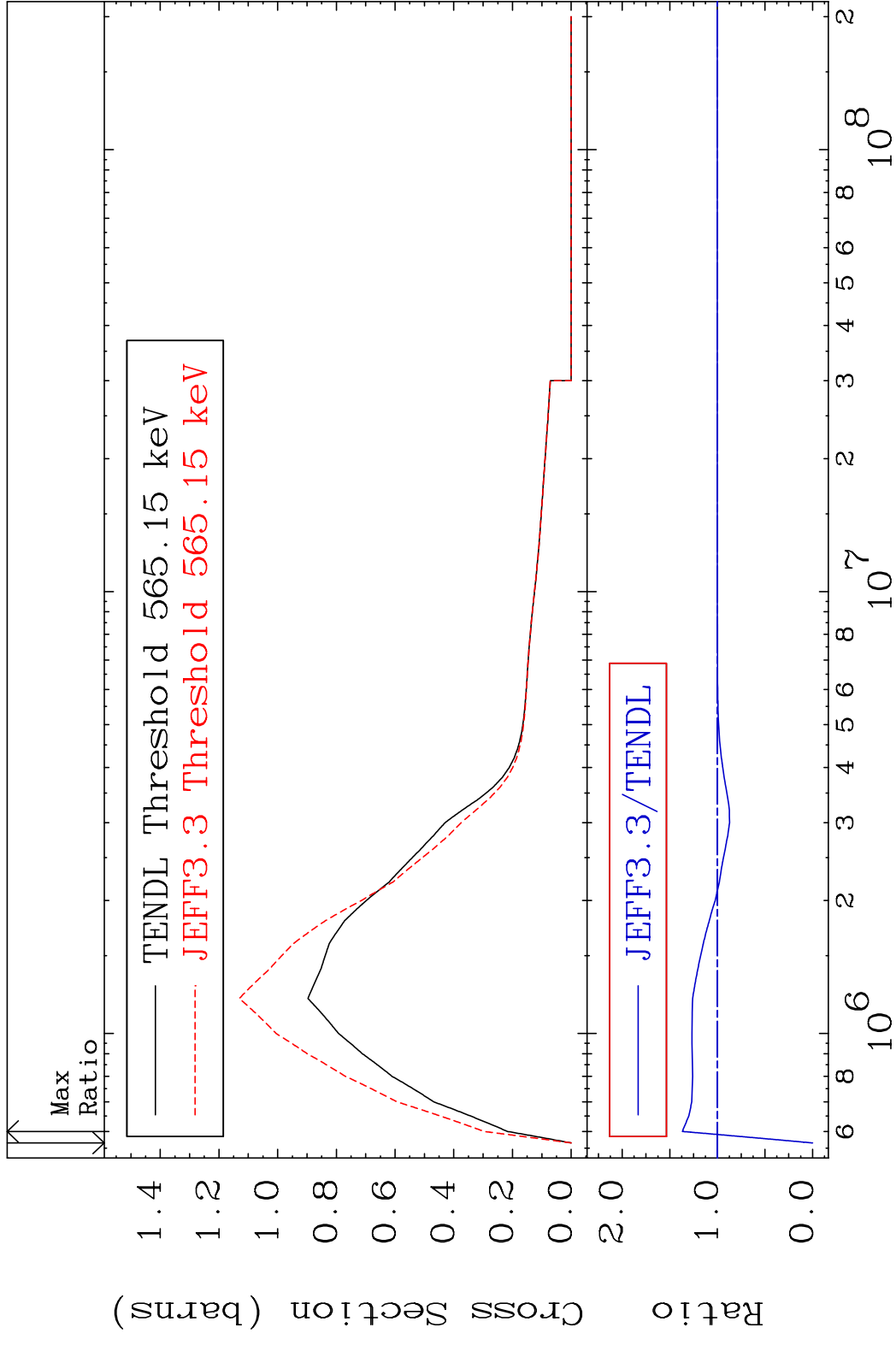


19

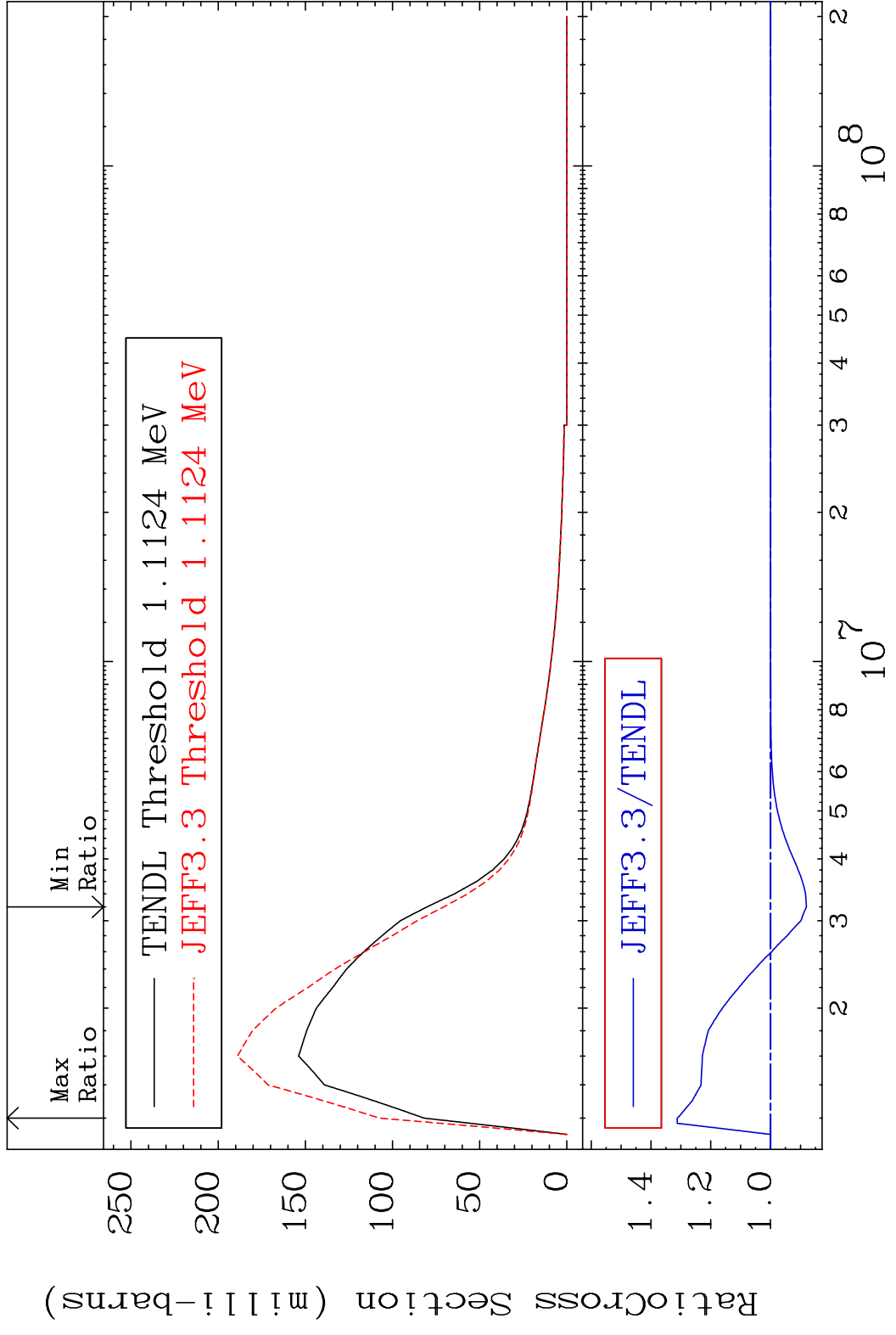
Incident Energy (eV)

52-Te-120

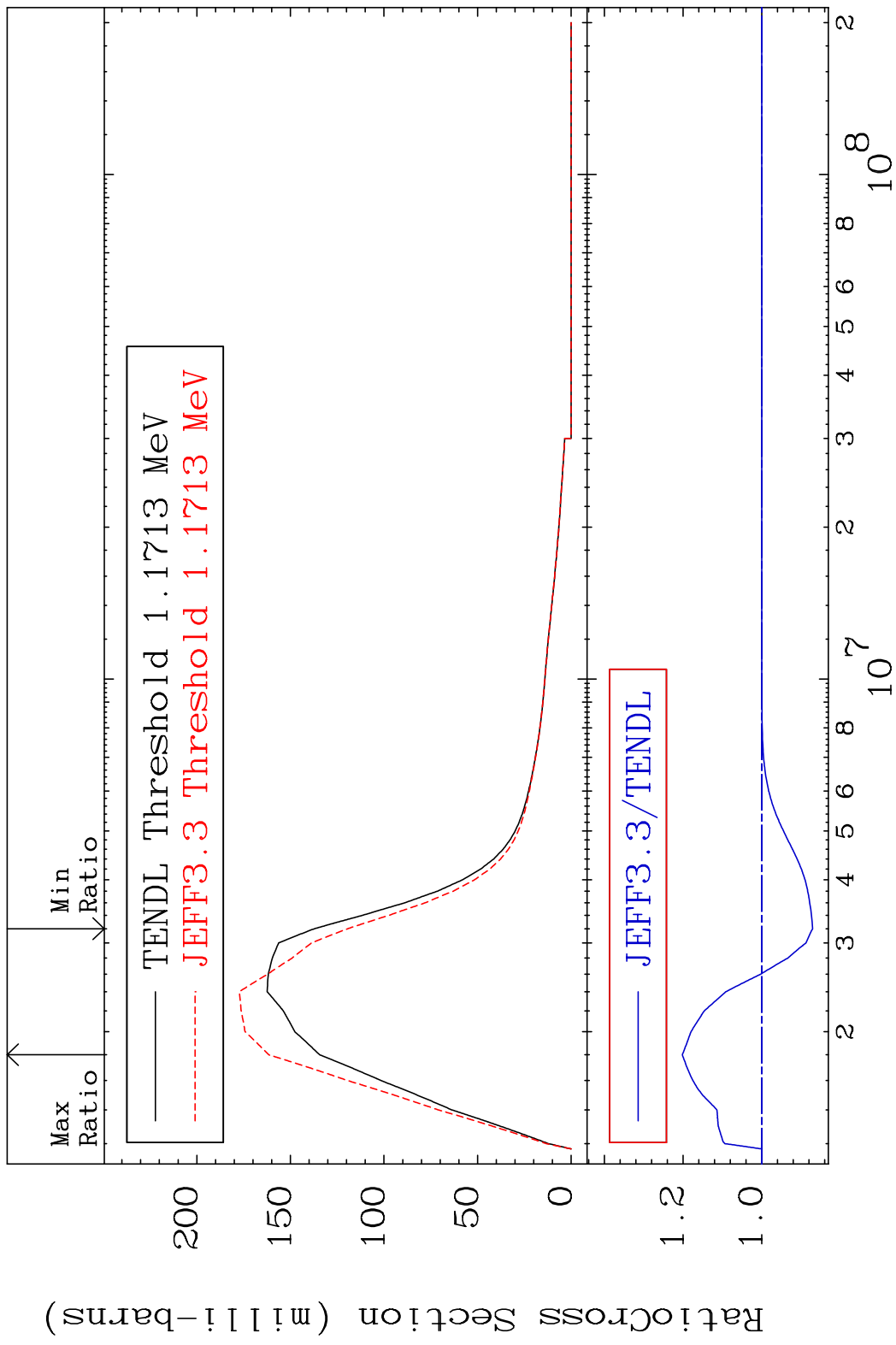
MAT 5225 MT= 51 (n,n') Level 52-Te-120
 Cross Section -100.0 To 36.81 %



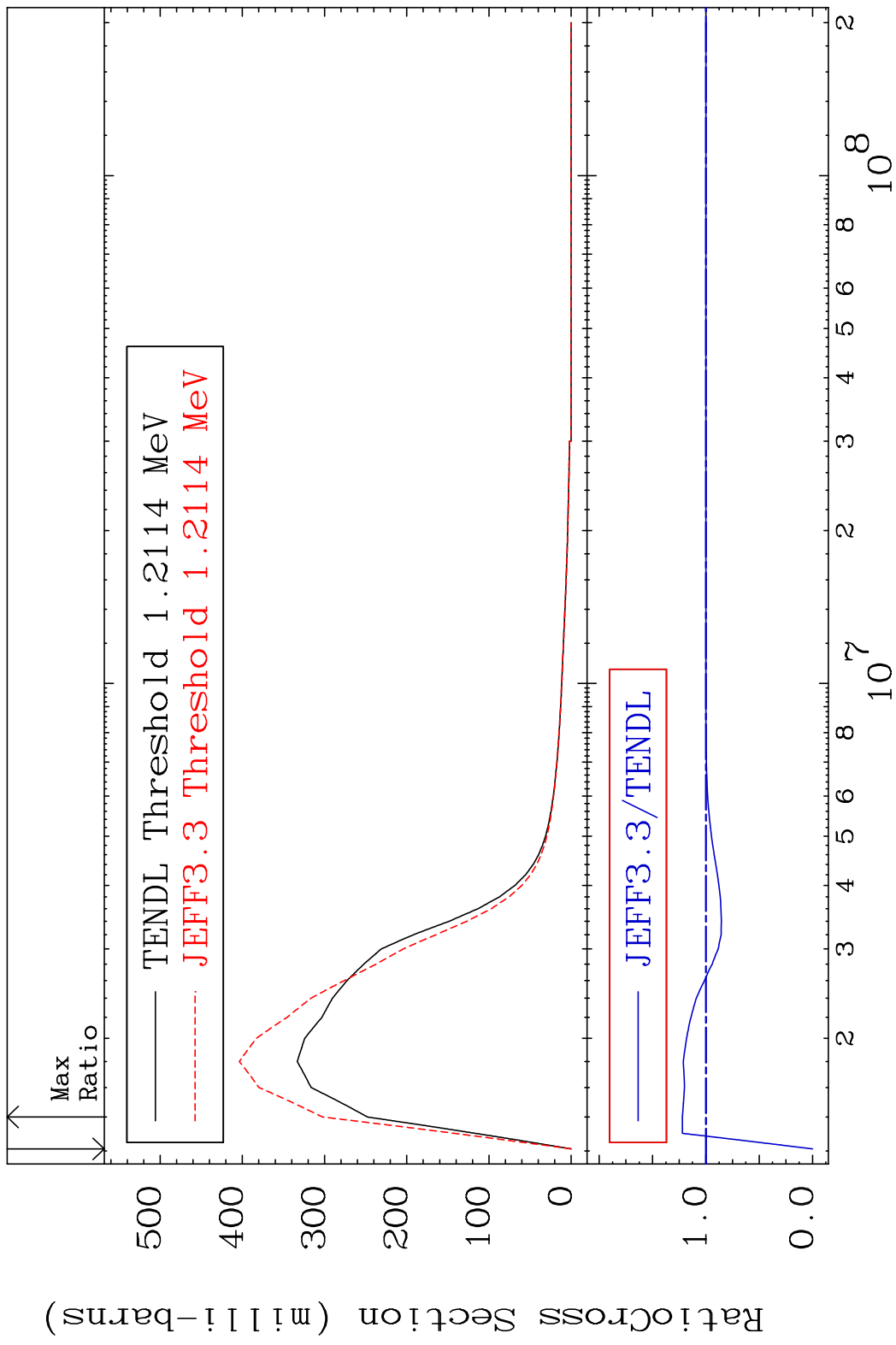
MAT 5225 MT= 52 (n,n') Level 52-Te-120
 Cross Section -11.99 To 31.23 %



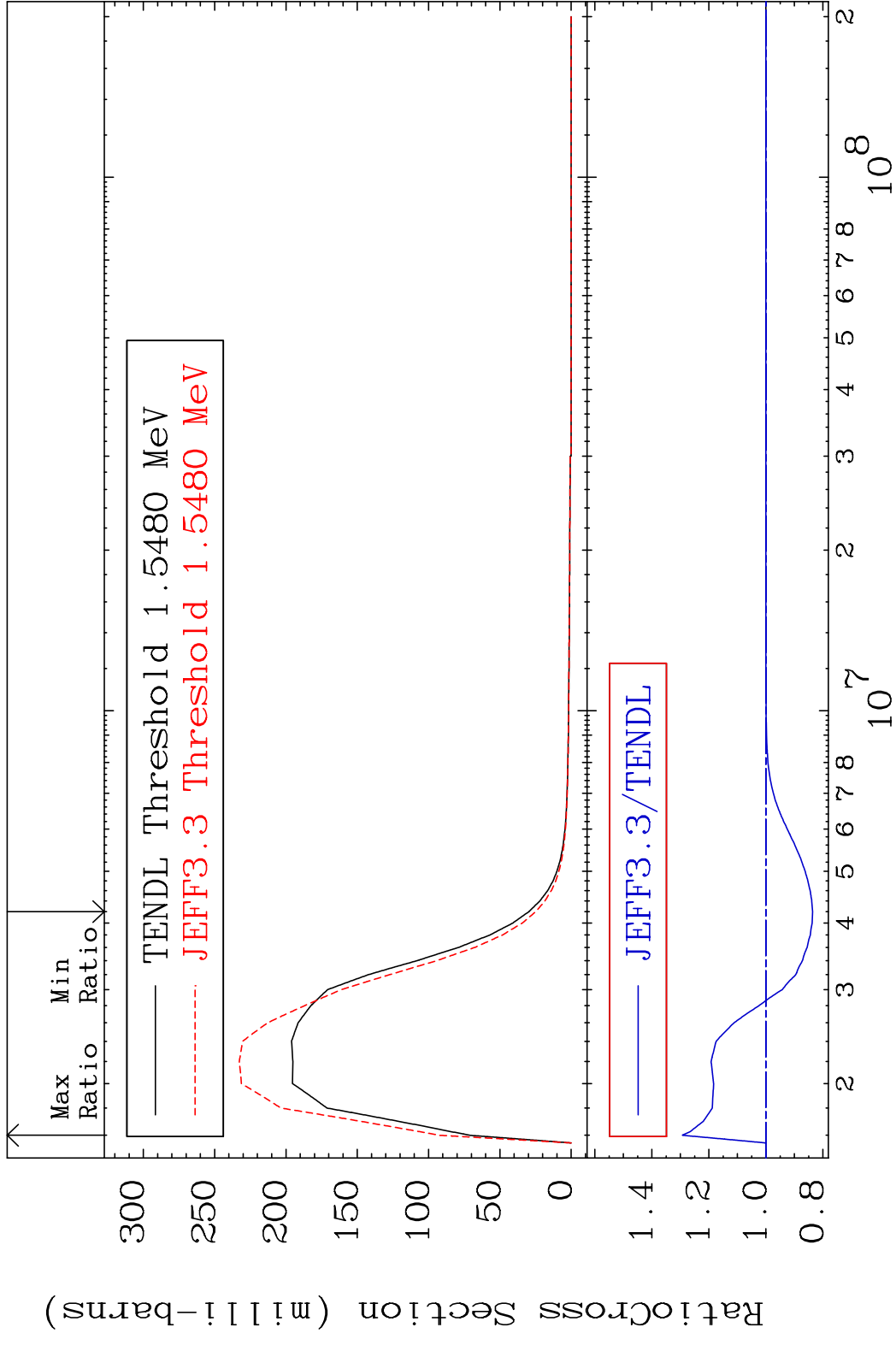
MAT 5225 MT= 53 (n, n') Level 52-Te-120
 Cross Section -12.93 To 20.18 %



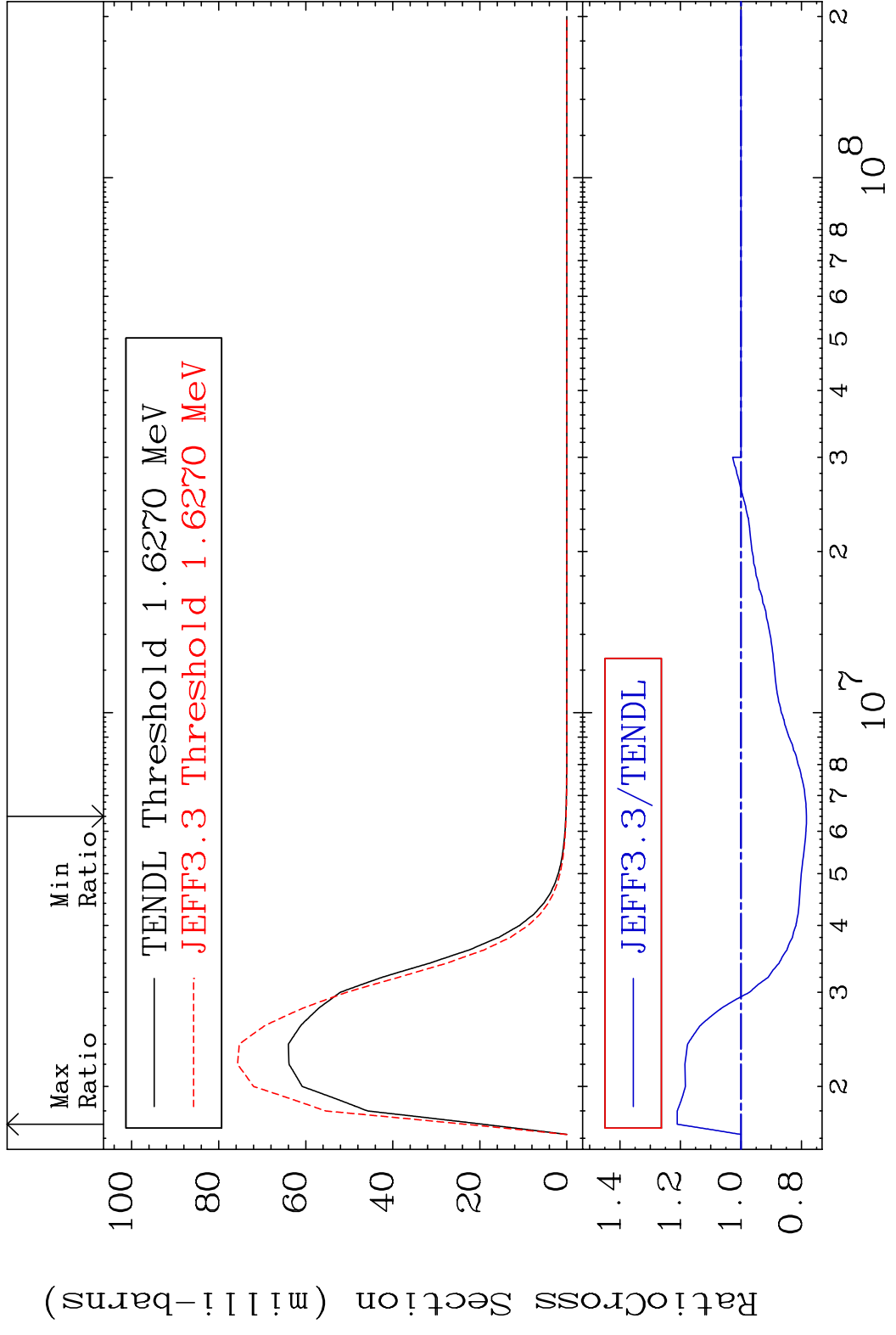
MAT 5225 MT= 54 (n,n') Level 52-Te-120
 Cross Section -100.0 To 22.04 %



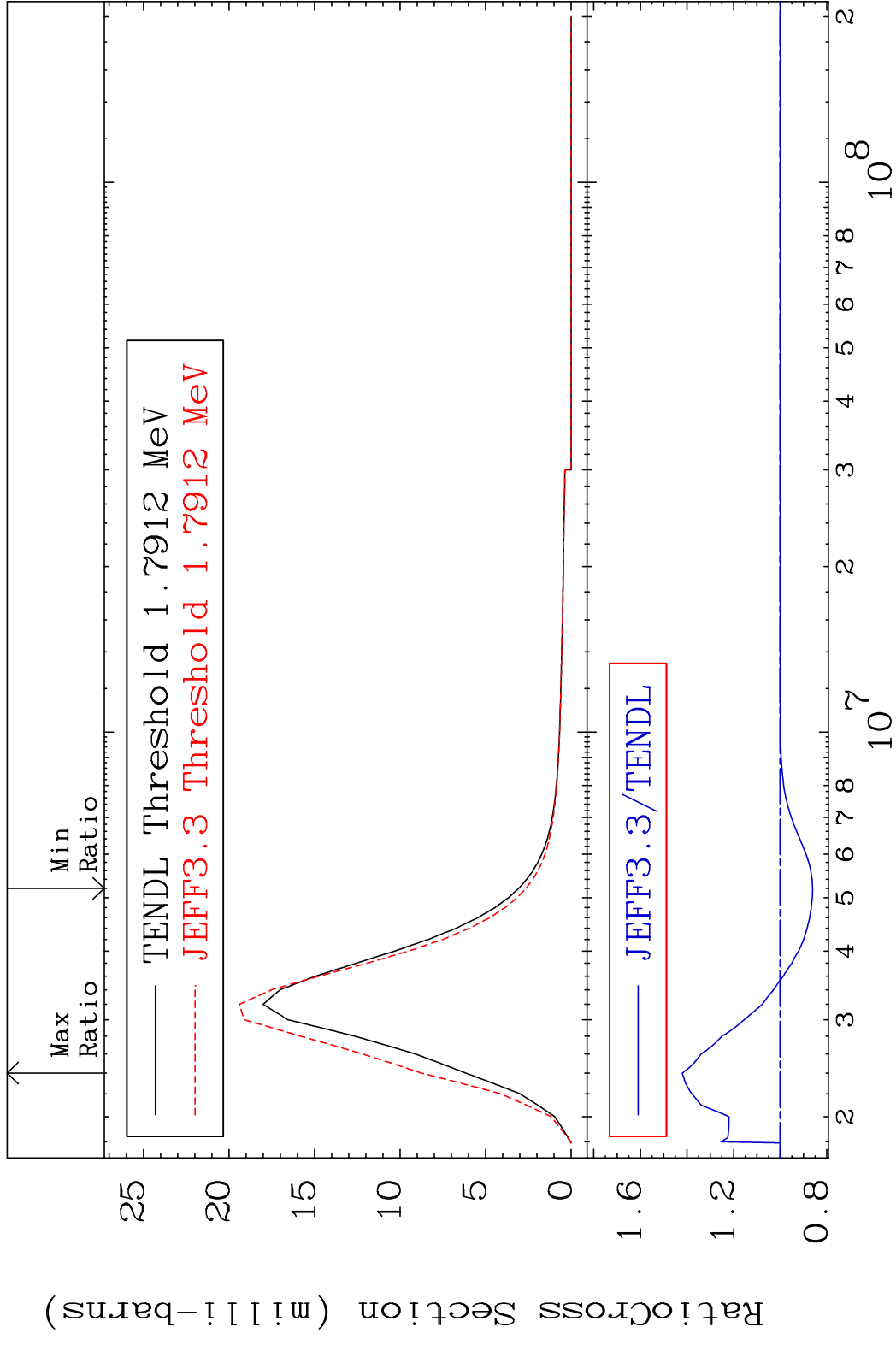
MAT 5225 MT= 55 (n,n') Level 52-Te-120
 Cross Section -16.37 To 29.32 %



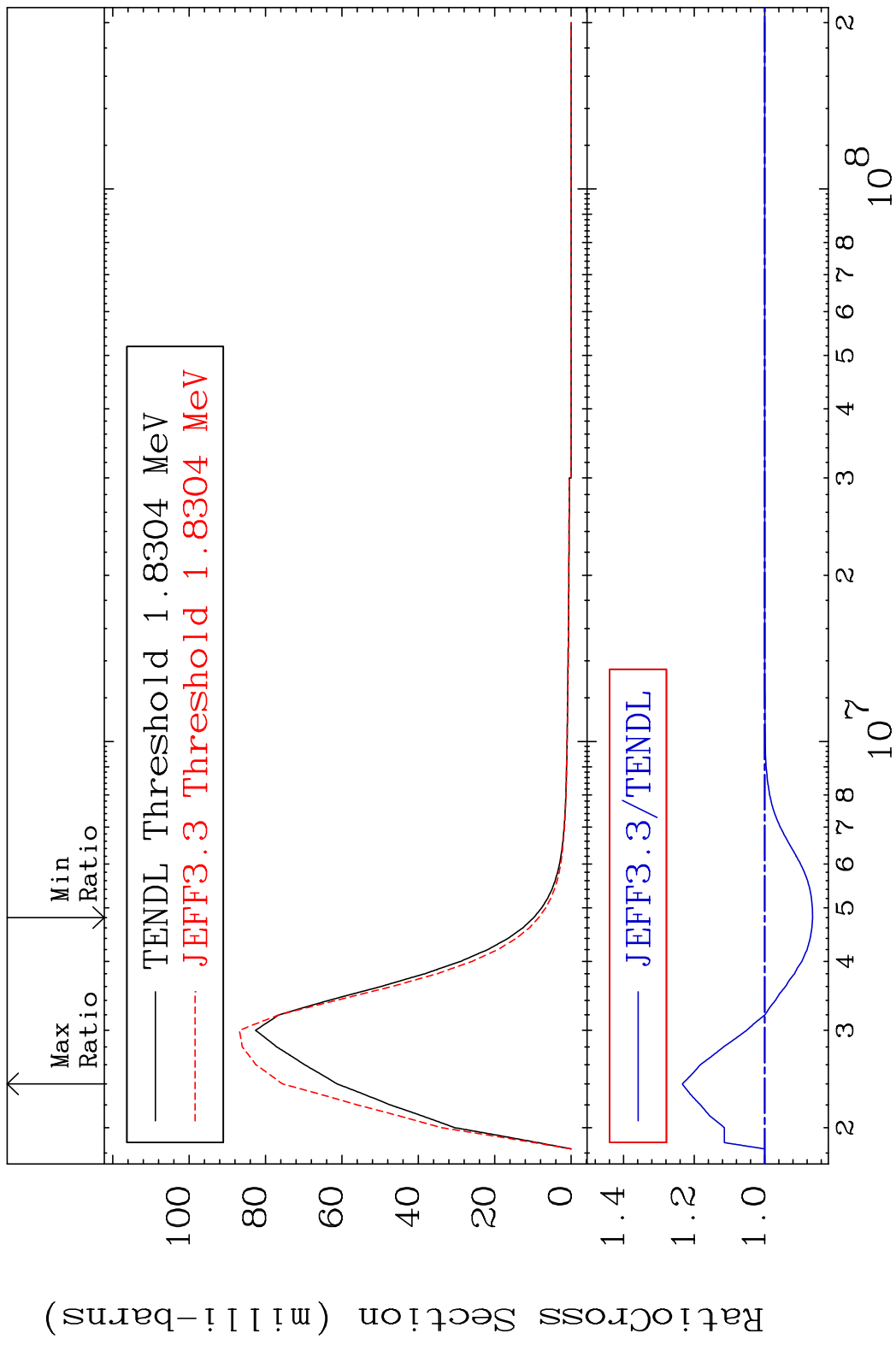
MAT 5225 MT= 56 (n,n') Level 52-Te-120
 Cross Section -21.63 To 21.09 %



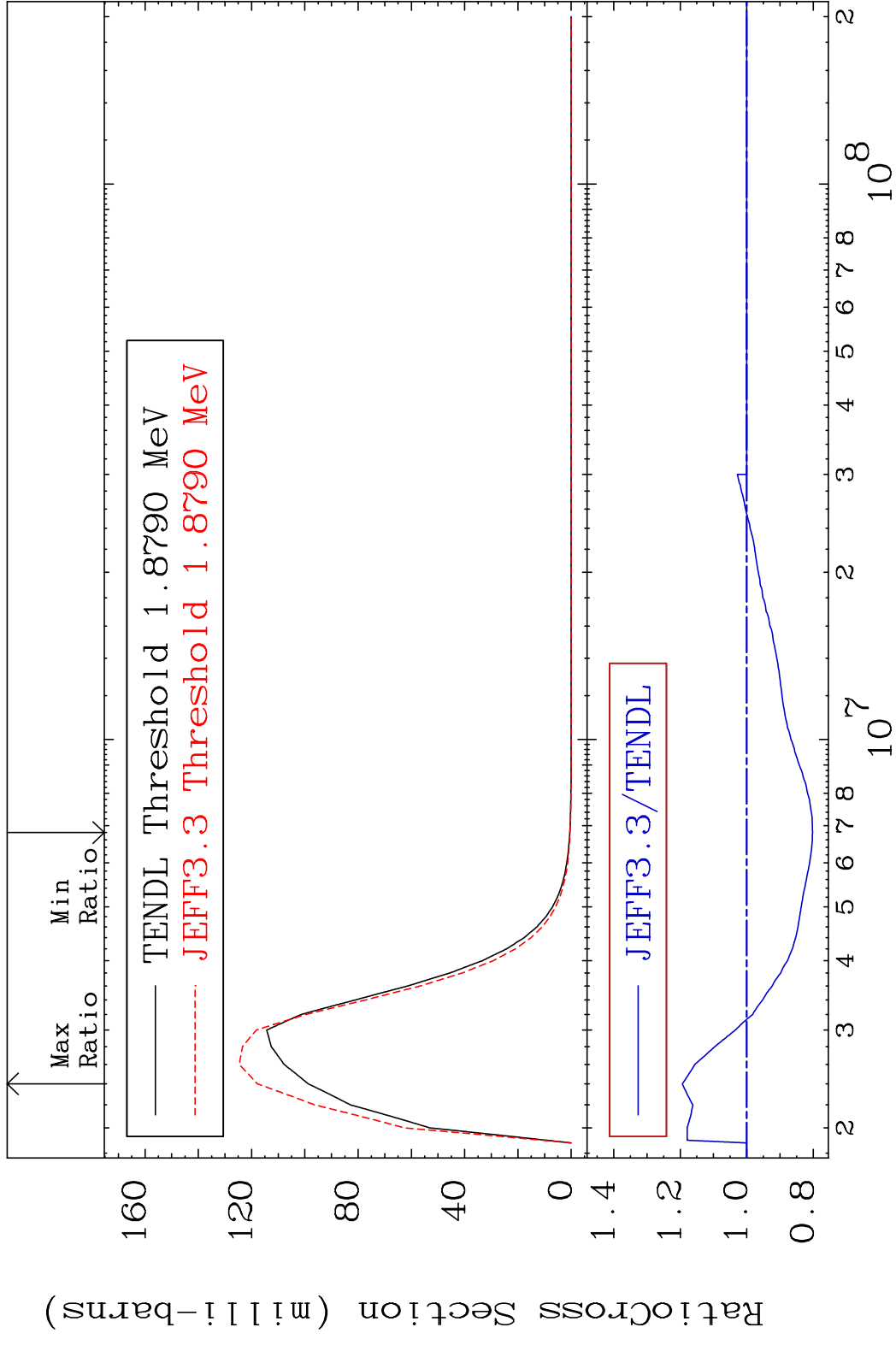
MAT 5225 MT= 57 (n,n') Level 52-Te-120
 Cross Section -13.88 To 41.98 %



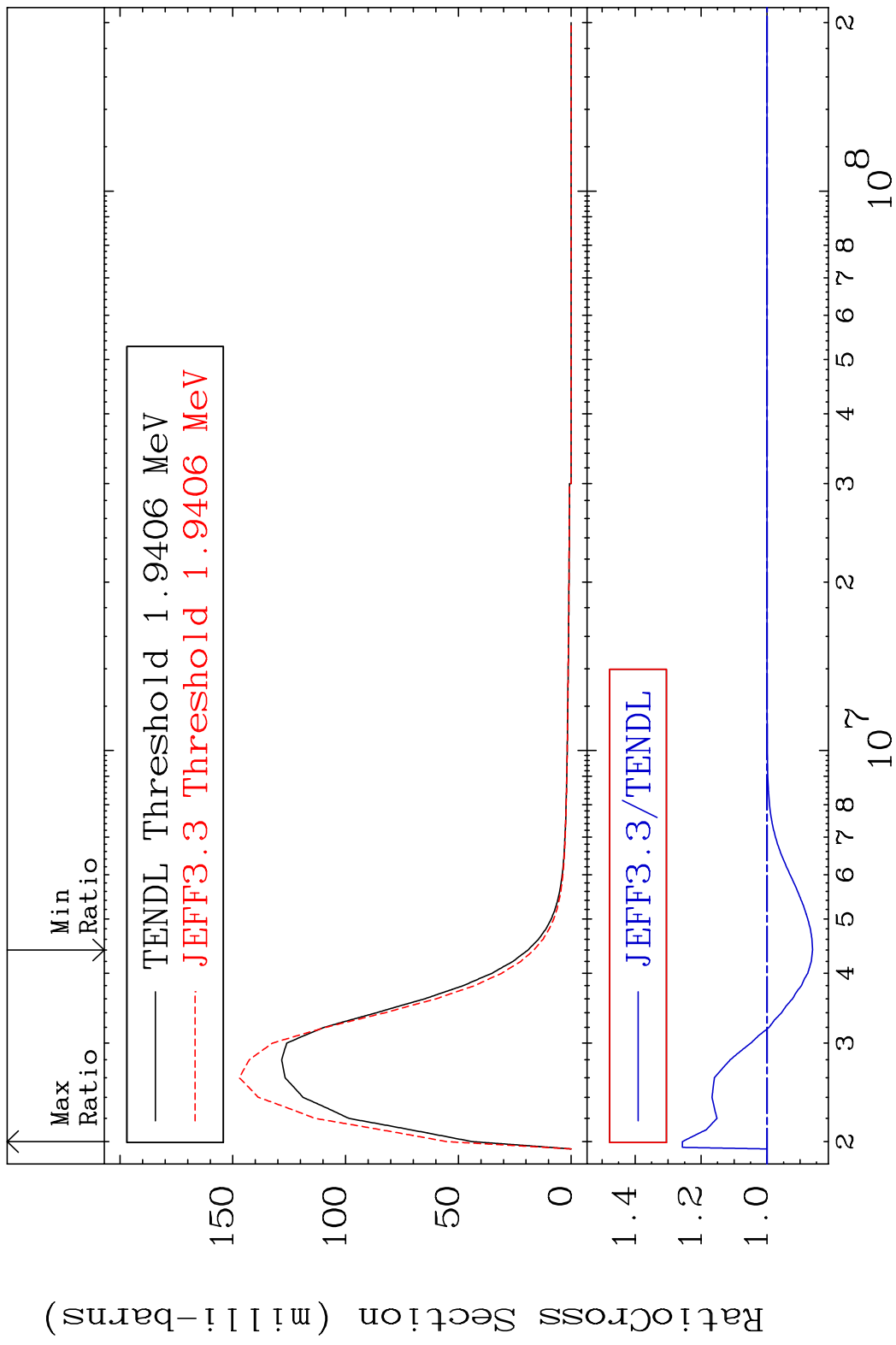
MAT 5225 MT= 58 (n,n') Level 52-Te-120
 Cross Section -13.53 To 23.35 %



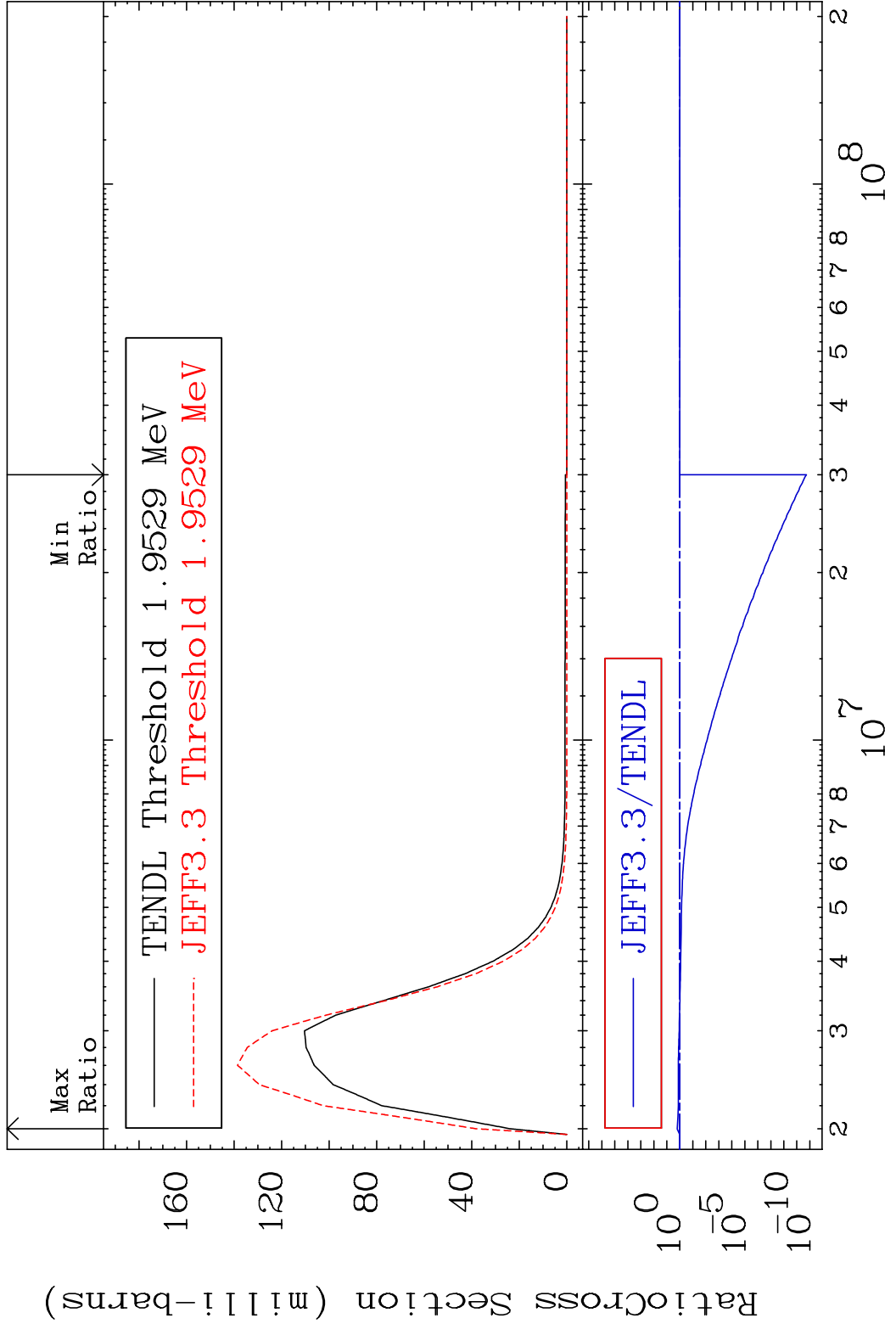
MAT 5225 MT= 59 (n,n') Level 52-Te-120
 Cross Section -19.81 To 19.37 %



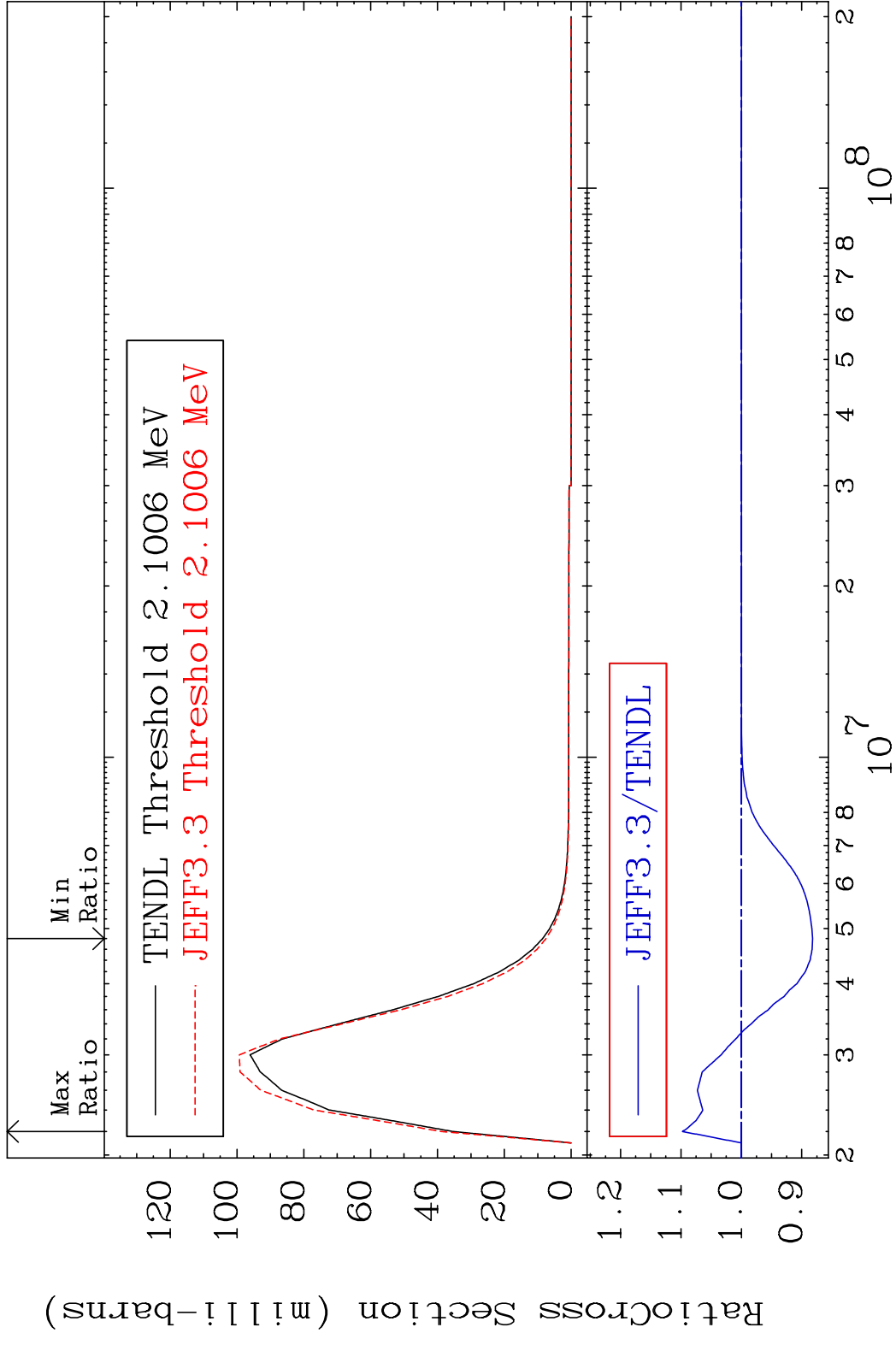
MAT 5225 MT= 60 (n,n') Level 52-Te-120
 Cross Section -13.78 To 25.68 %



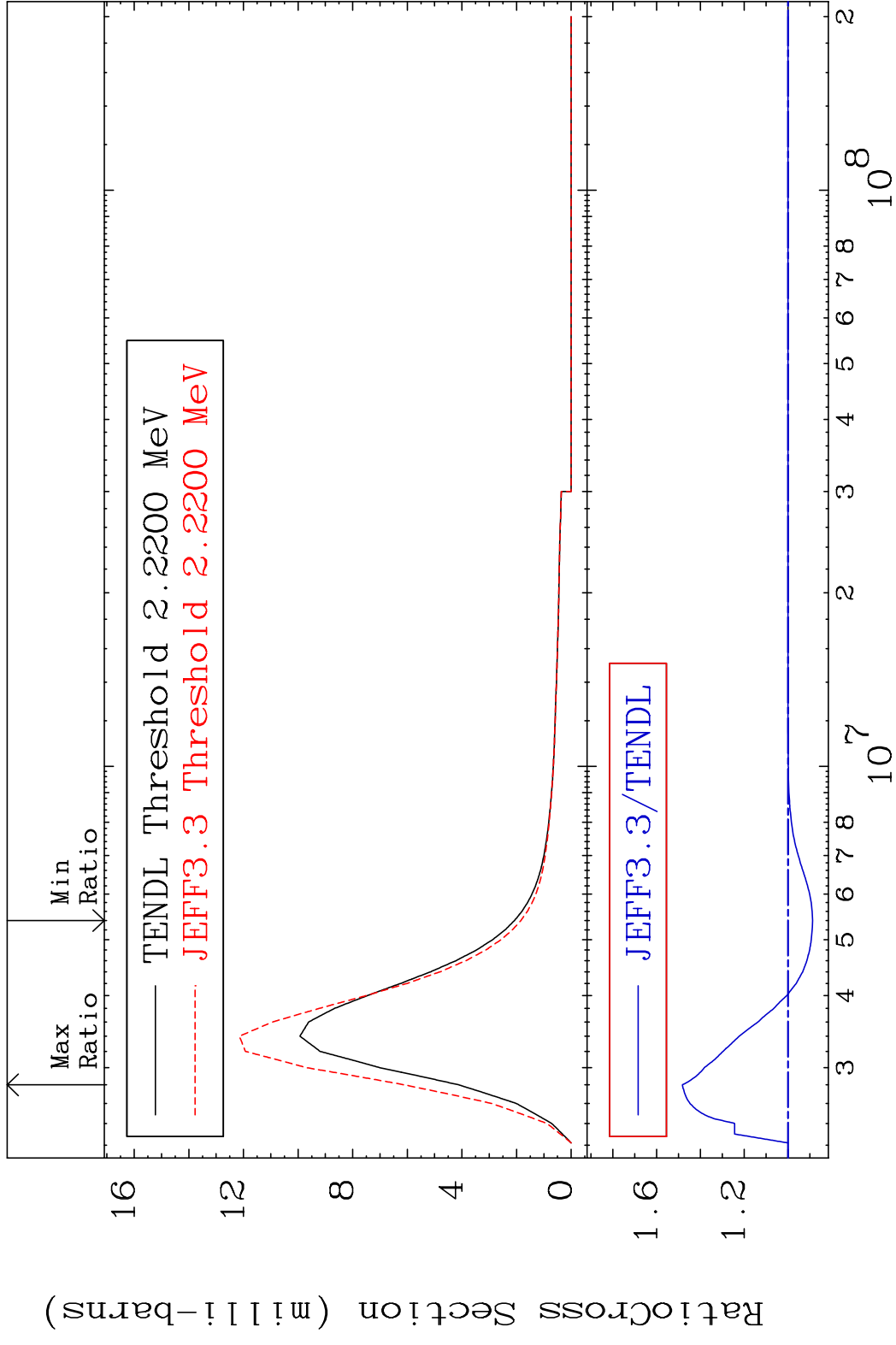
MAT 5225 MT= 61 (n, n') Level 52-Te-120
 Cross Section -100.0 To 59.46 %



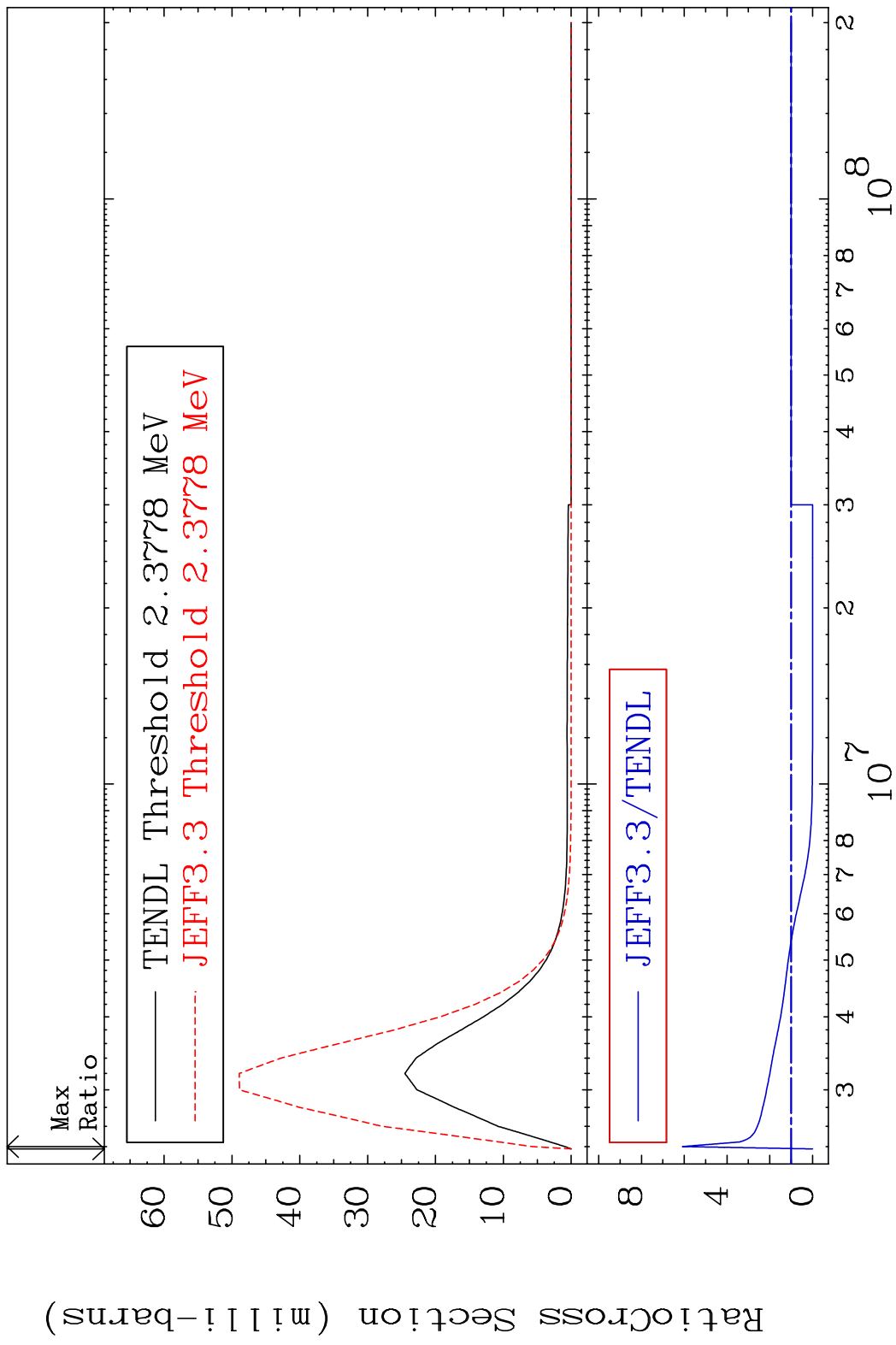
MAT 5225 MT= 62 (n, n') Level 52-Te-120
 Cross Section -11.79 To 9.767 %



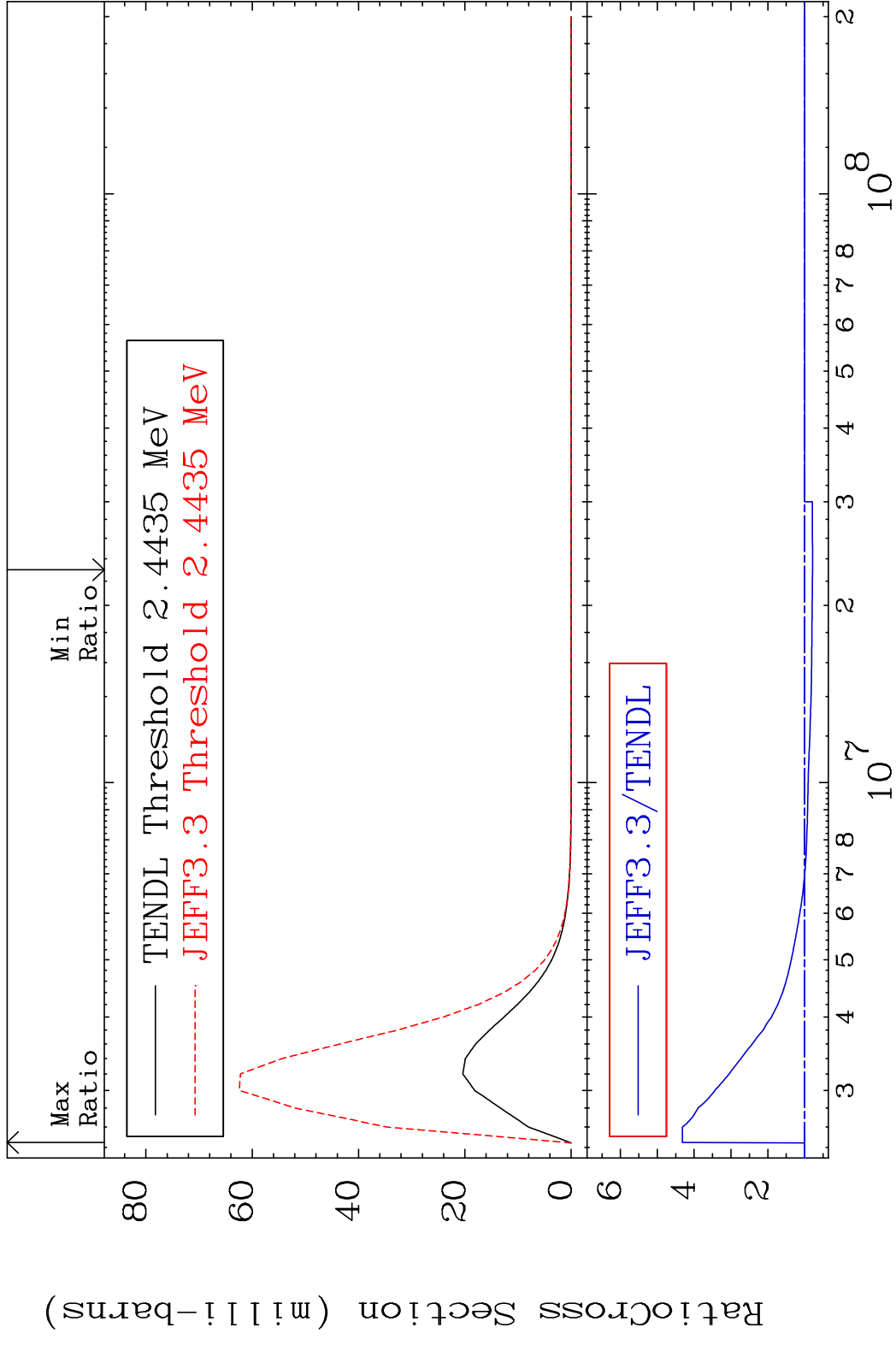
MAT 5225 MT= 63 (n, n') Level 52-Te-120
 Cross Section -11.20 To 48.25 %



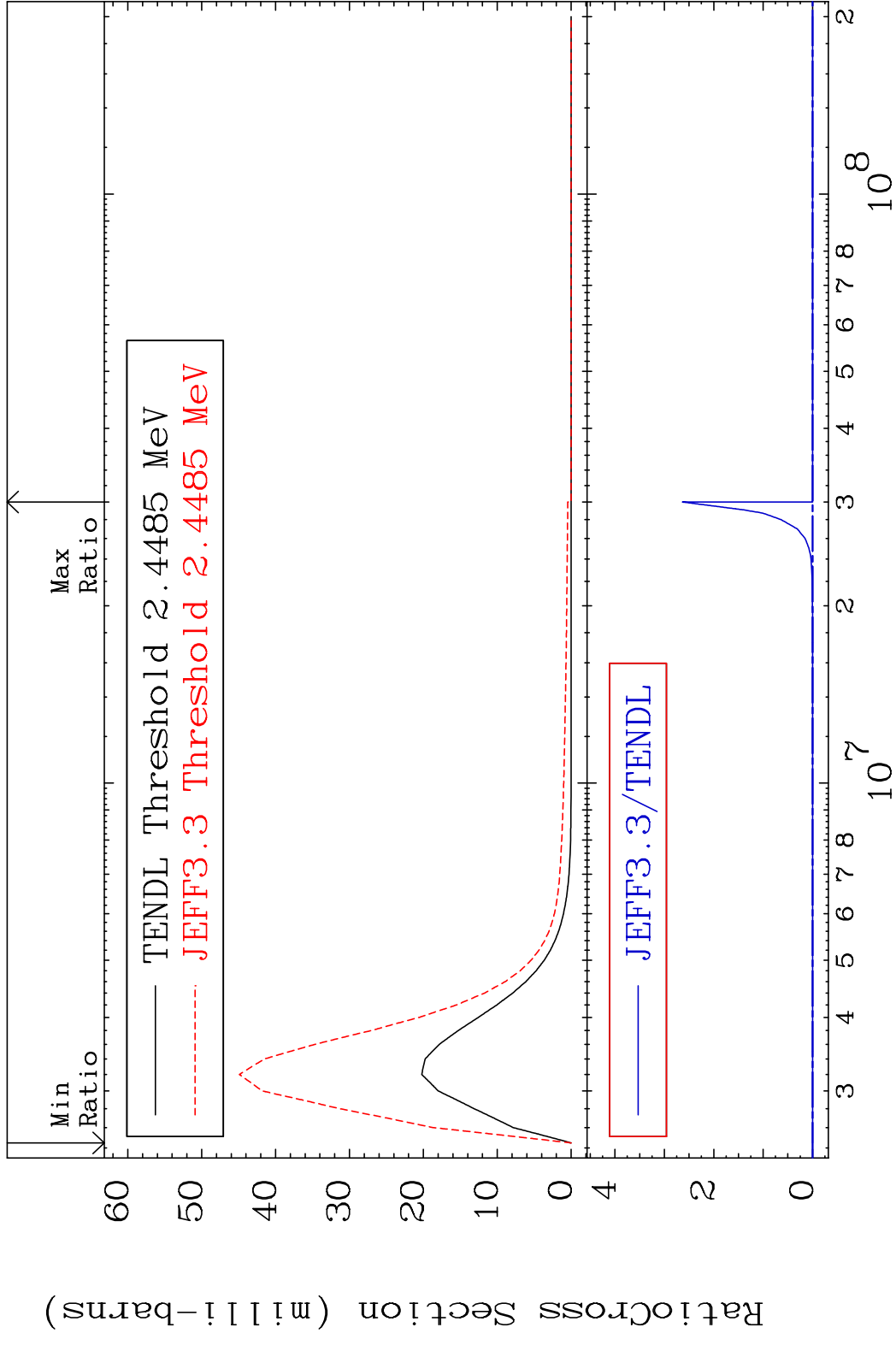
MAT 5225 MT= 64 (n,n') Level 52-Te-120
 Cross Section -100.0 To 508.8 %



MAT 5225 MT= 65 (n,n') Level 52-Te-120
 Cross Section -21.39 To 332.0 %

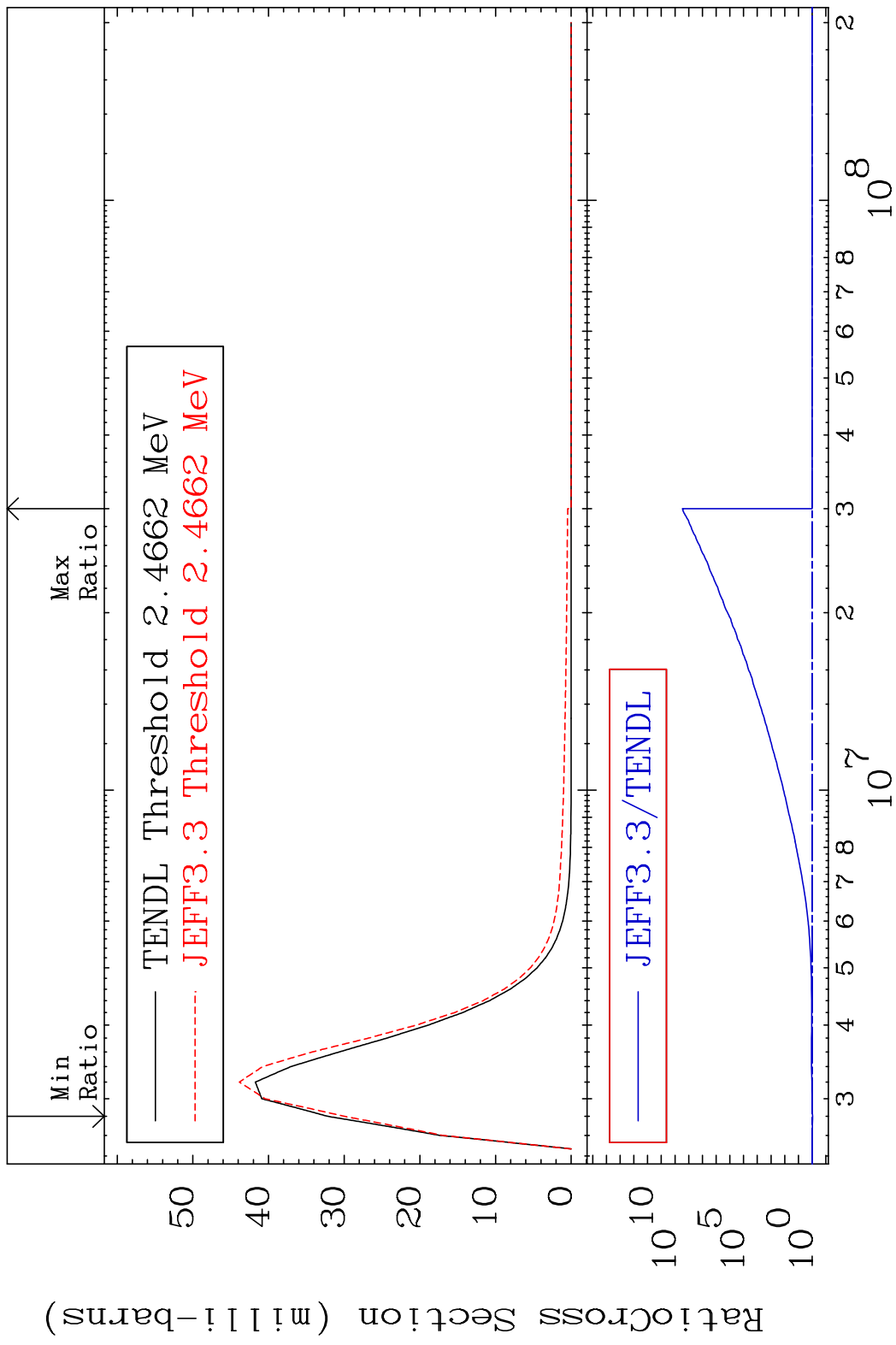


MAT 5225 MT= 66 (n, n') Level 52-Te-120
 Cross Section -100.0 To 9999. %

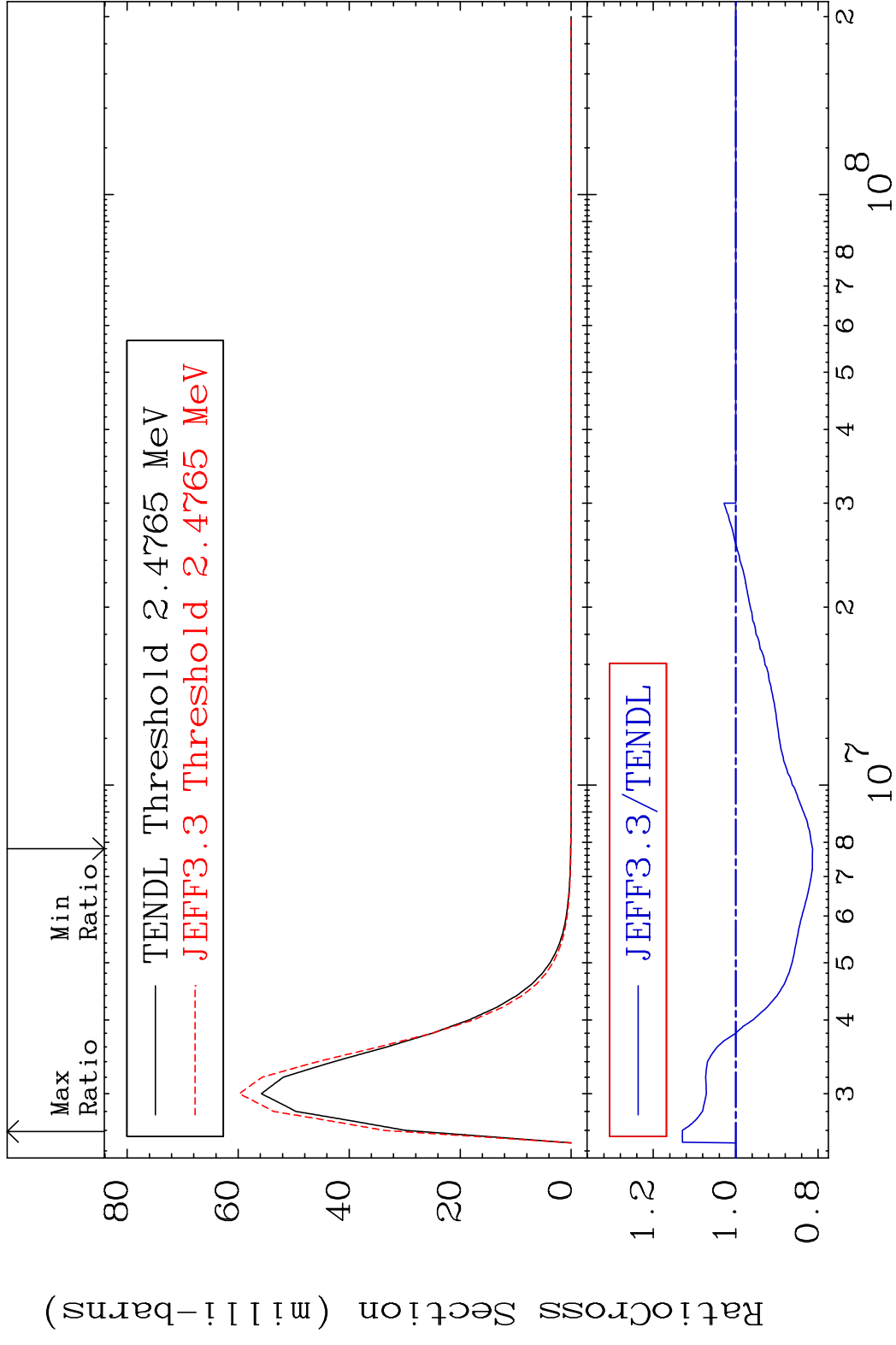


35 Incident Energy (eV) 52-Te-120

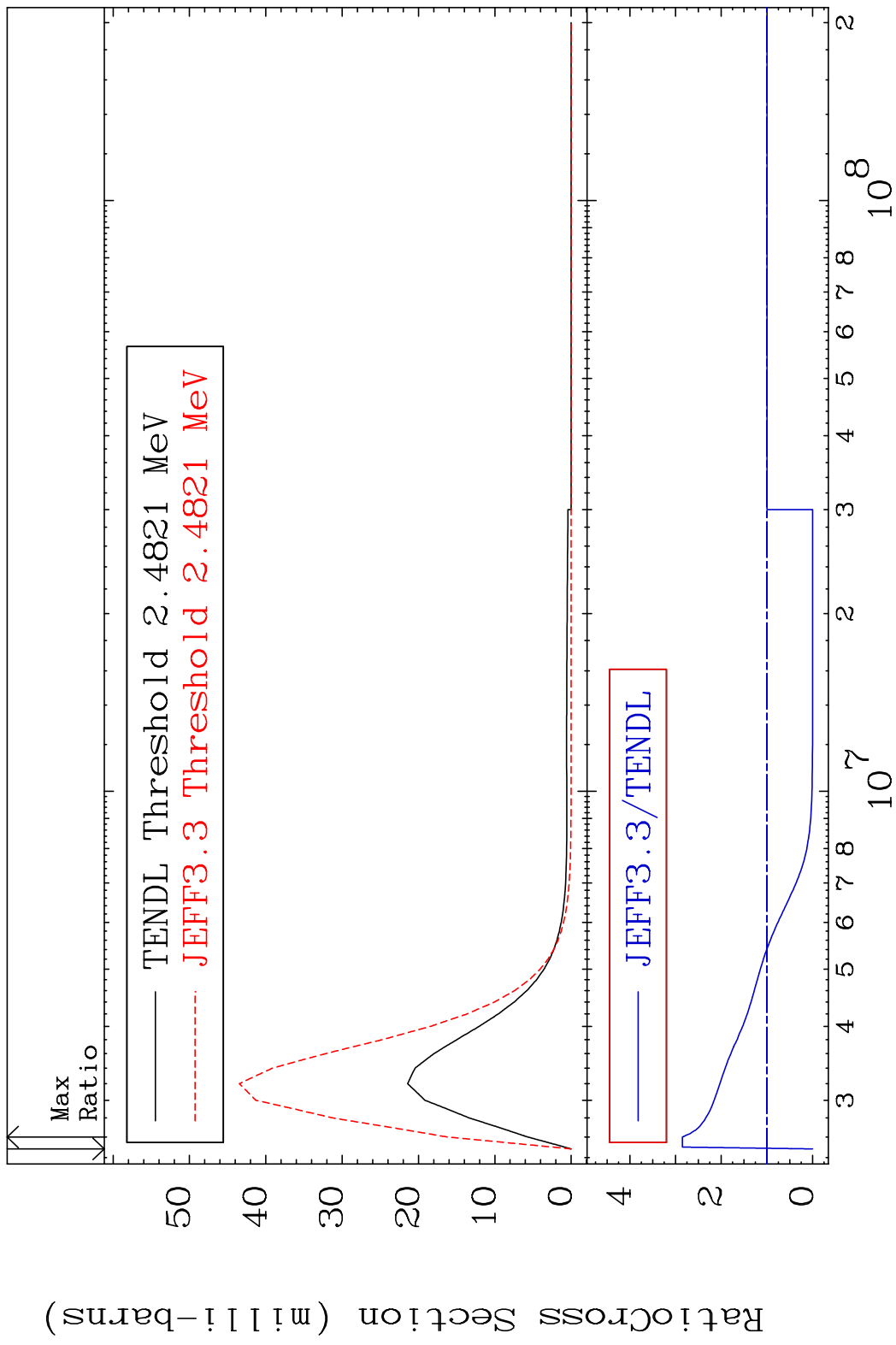
MAT 5225 MT= 67 (n, n') Level 52-Te-120
 Cross Section -6.792 To 9999. %



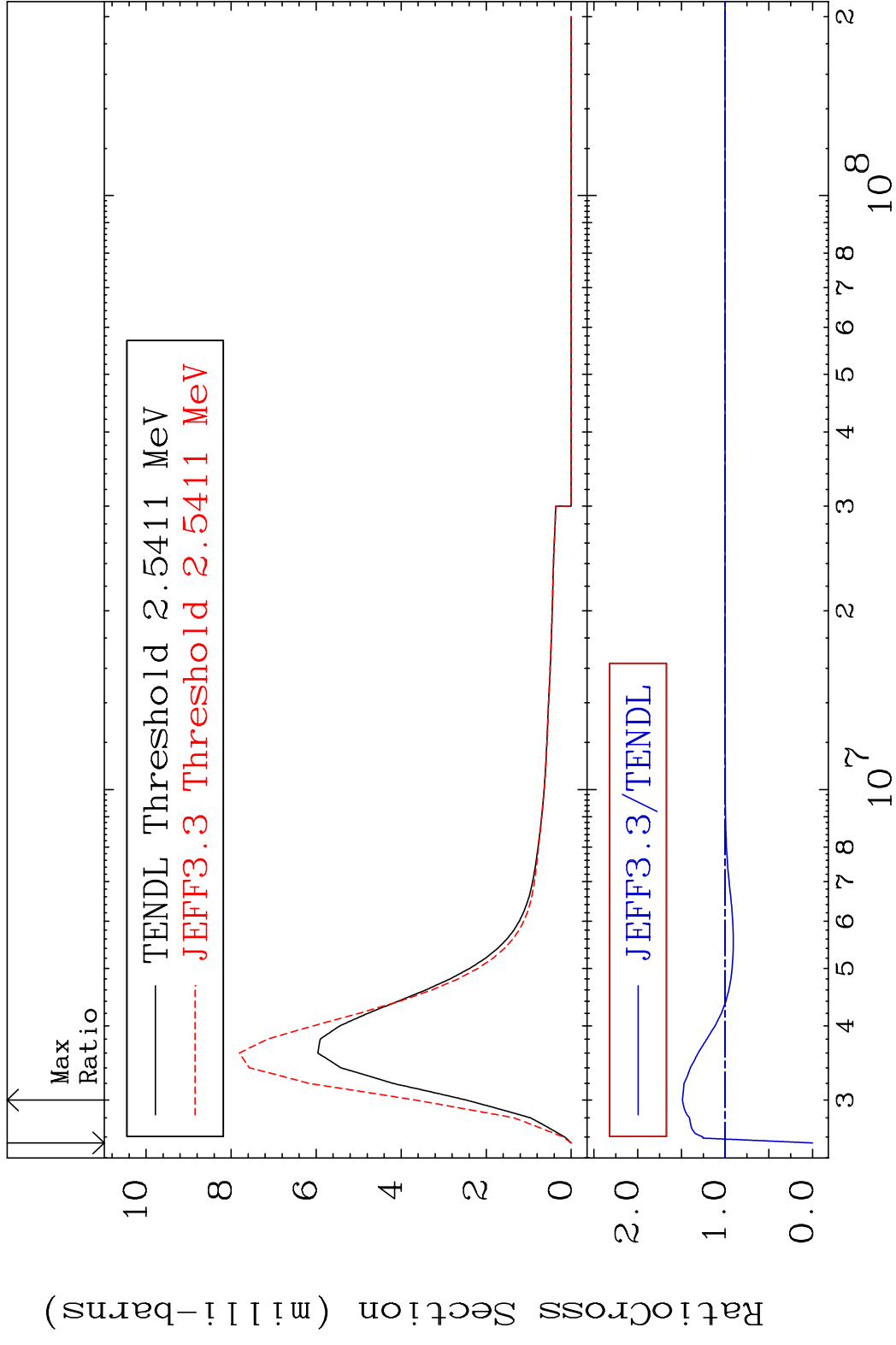
MAT 5225 MT= 68 (n,n') Level 52-Te-120
 Cross Section -18.65 To 12.95 %



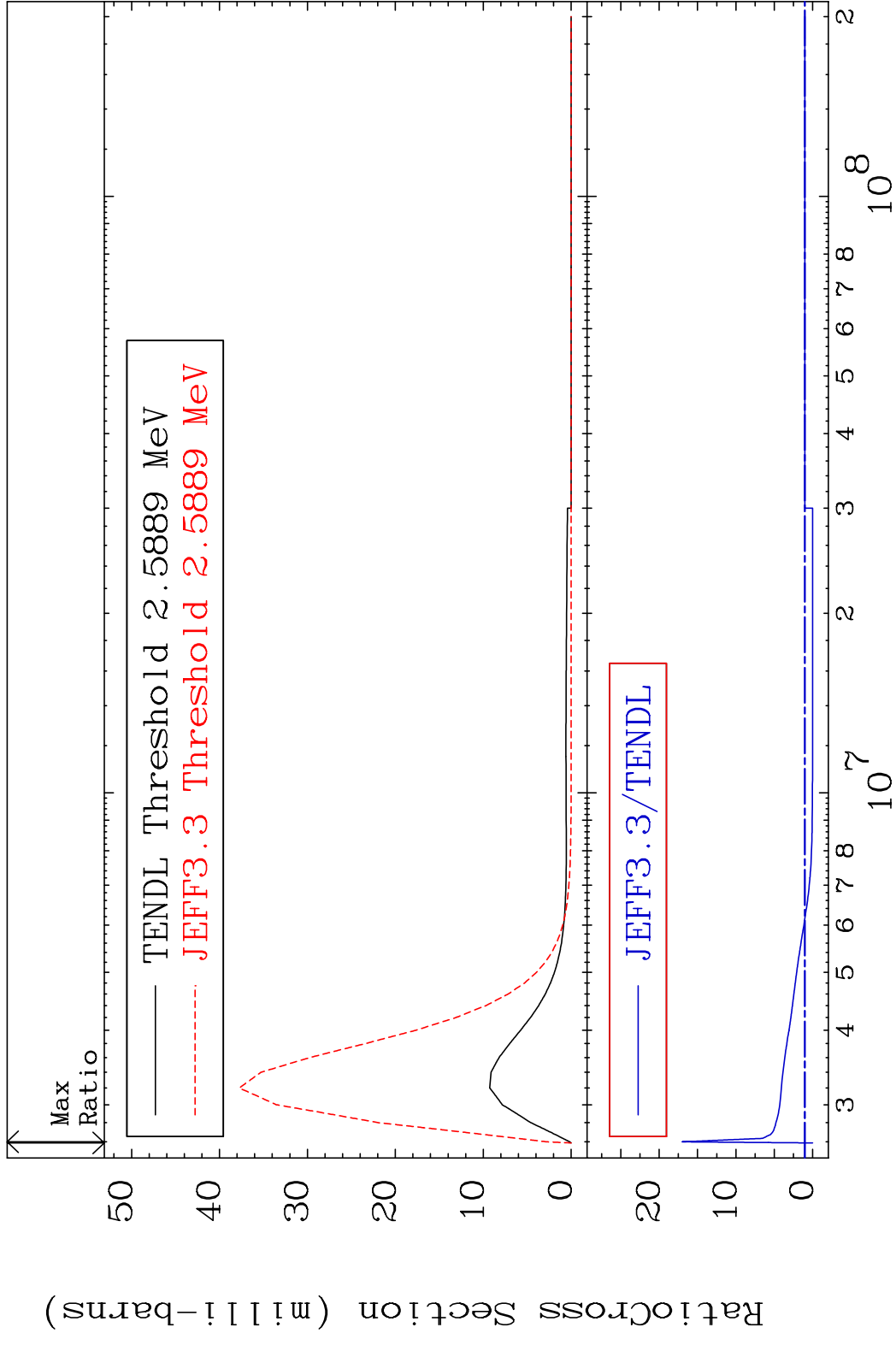
MAT 5225 MT= 69 (n, n') Level 52-Te-120
 Cross Section -100.0 To 185.1 %



MAT 5225 MT= 70 (n, n') Level 52-Te-120
 Cross Section -100.0 To 48.92 %

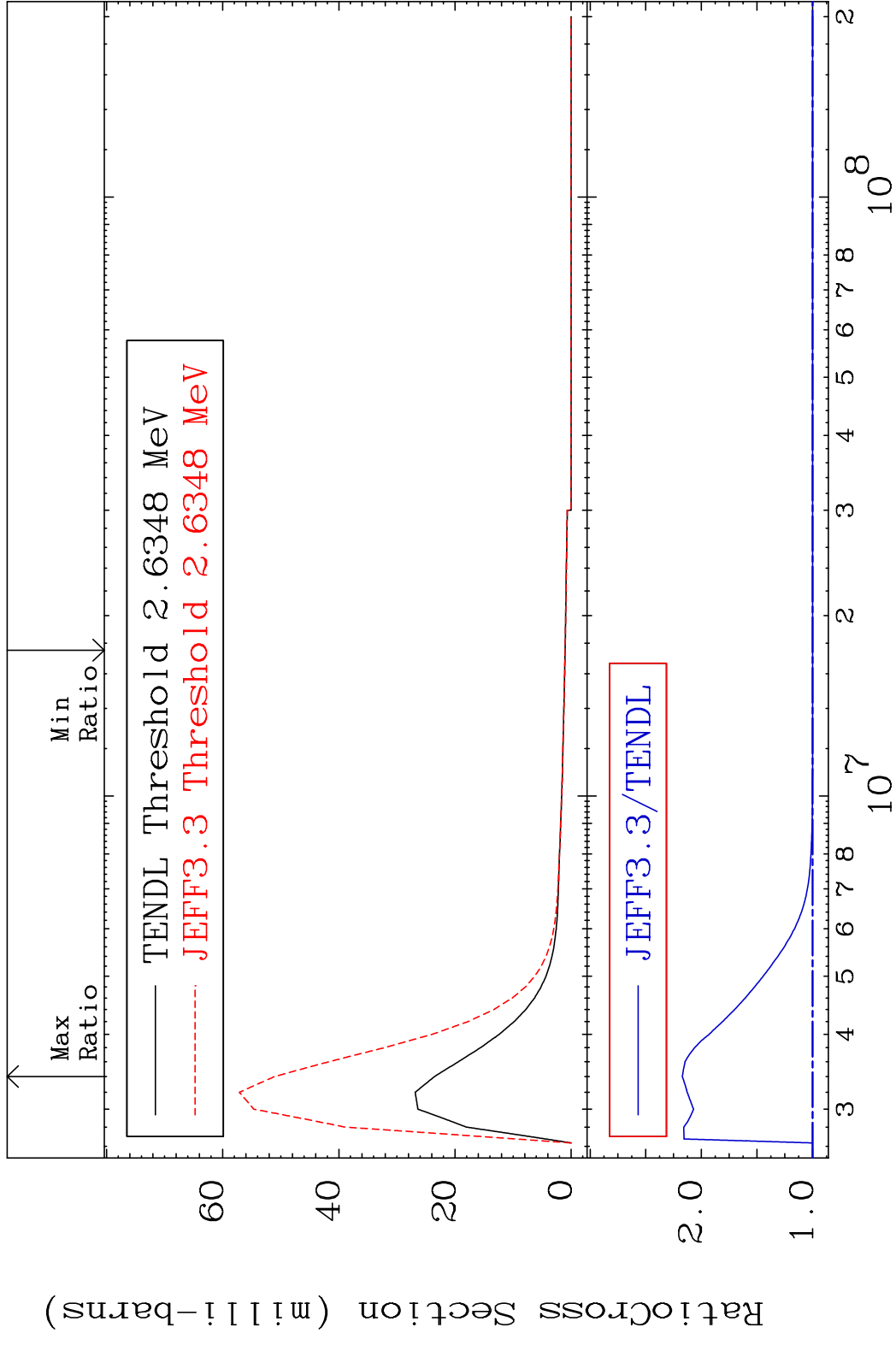


MAT 5225 MT= 71 (n, n') Level 52-Te-120
 Cross Section -100.0 To 1598. %

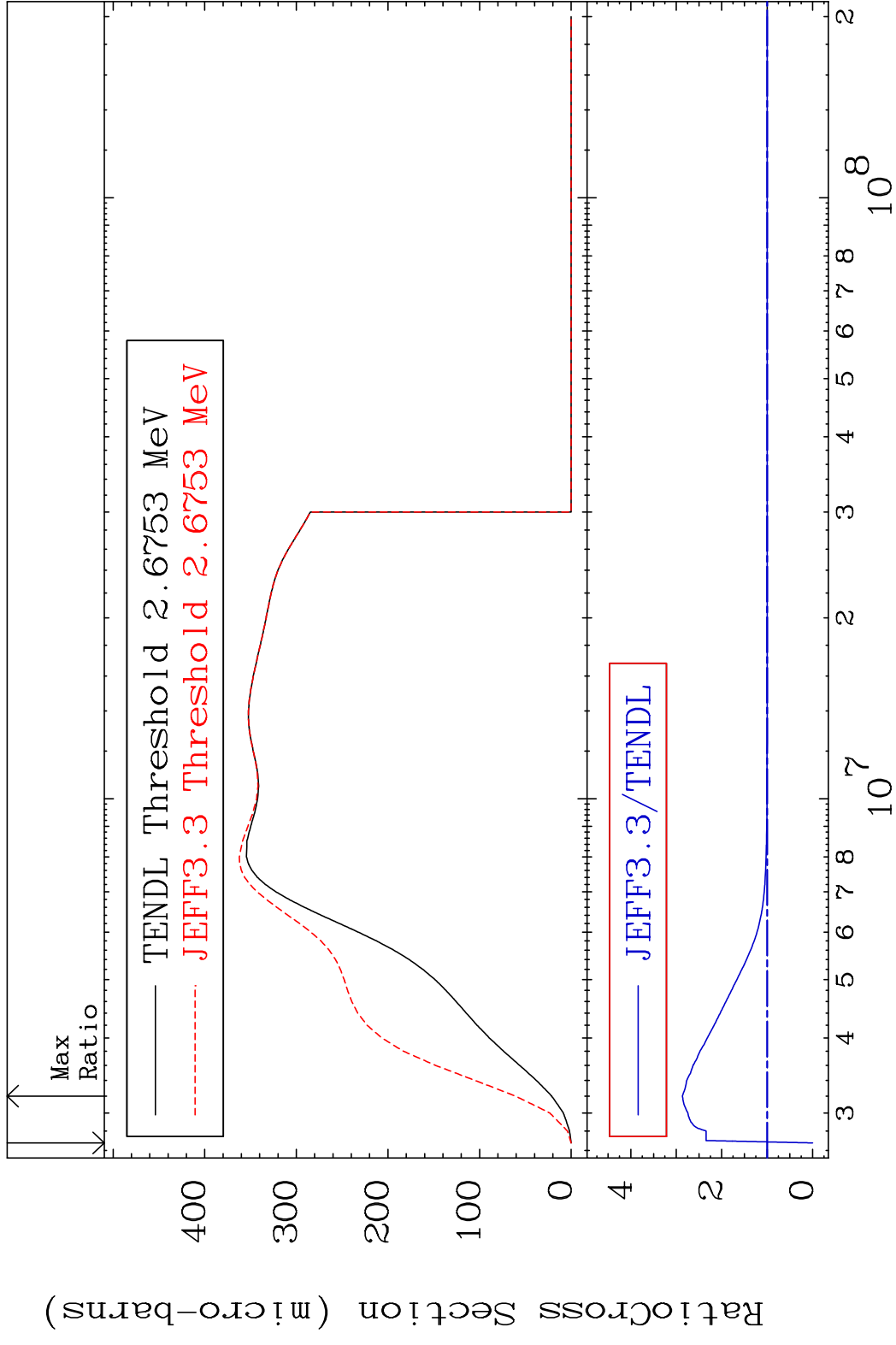


40 Incident Energy (eV) 52-Te-120

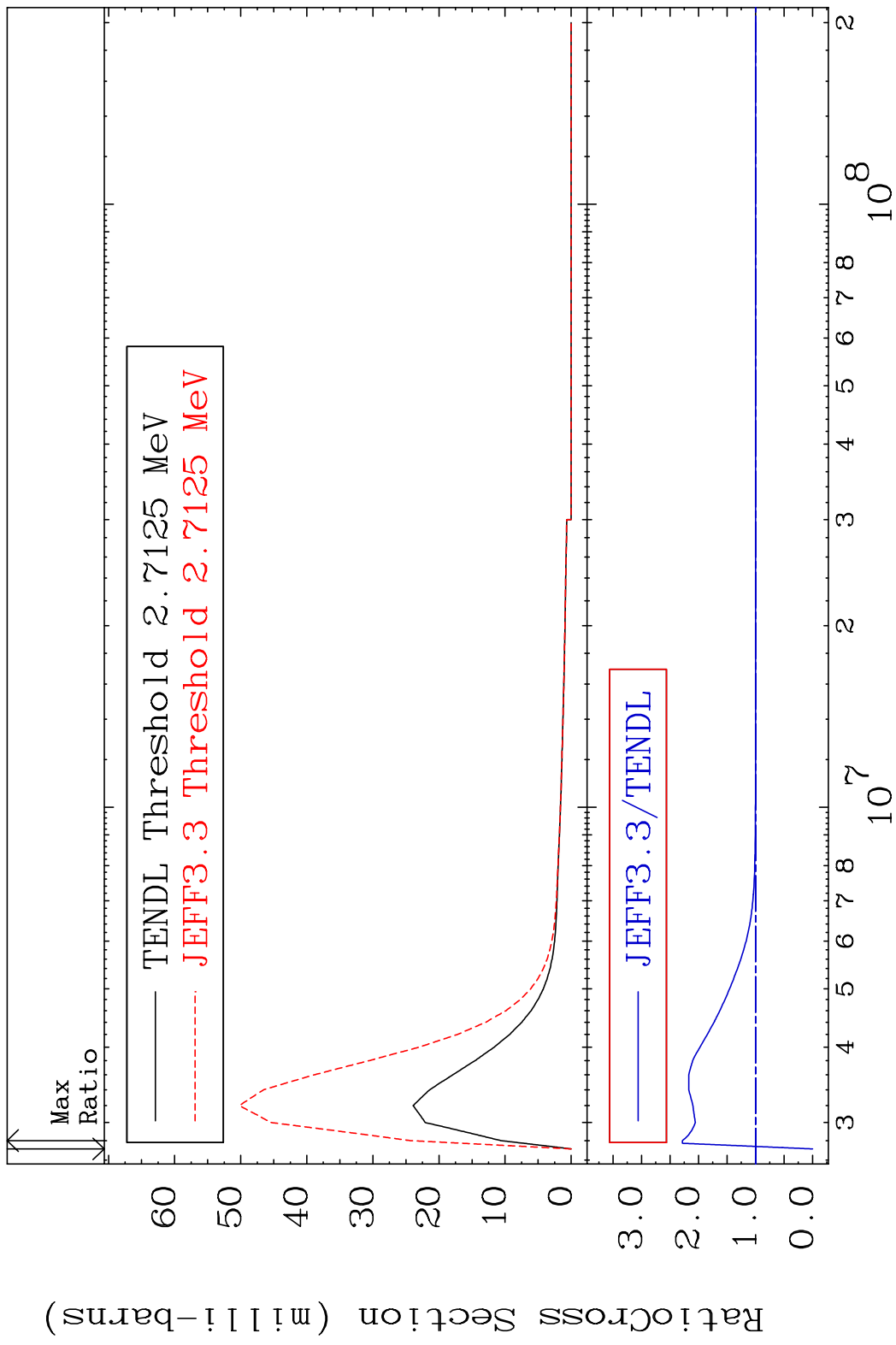
MAT 5225 MT= 72 (n, n') Level 52-Te-120
 Cross Section 0.000 To 117.1 %



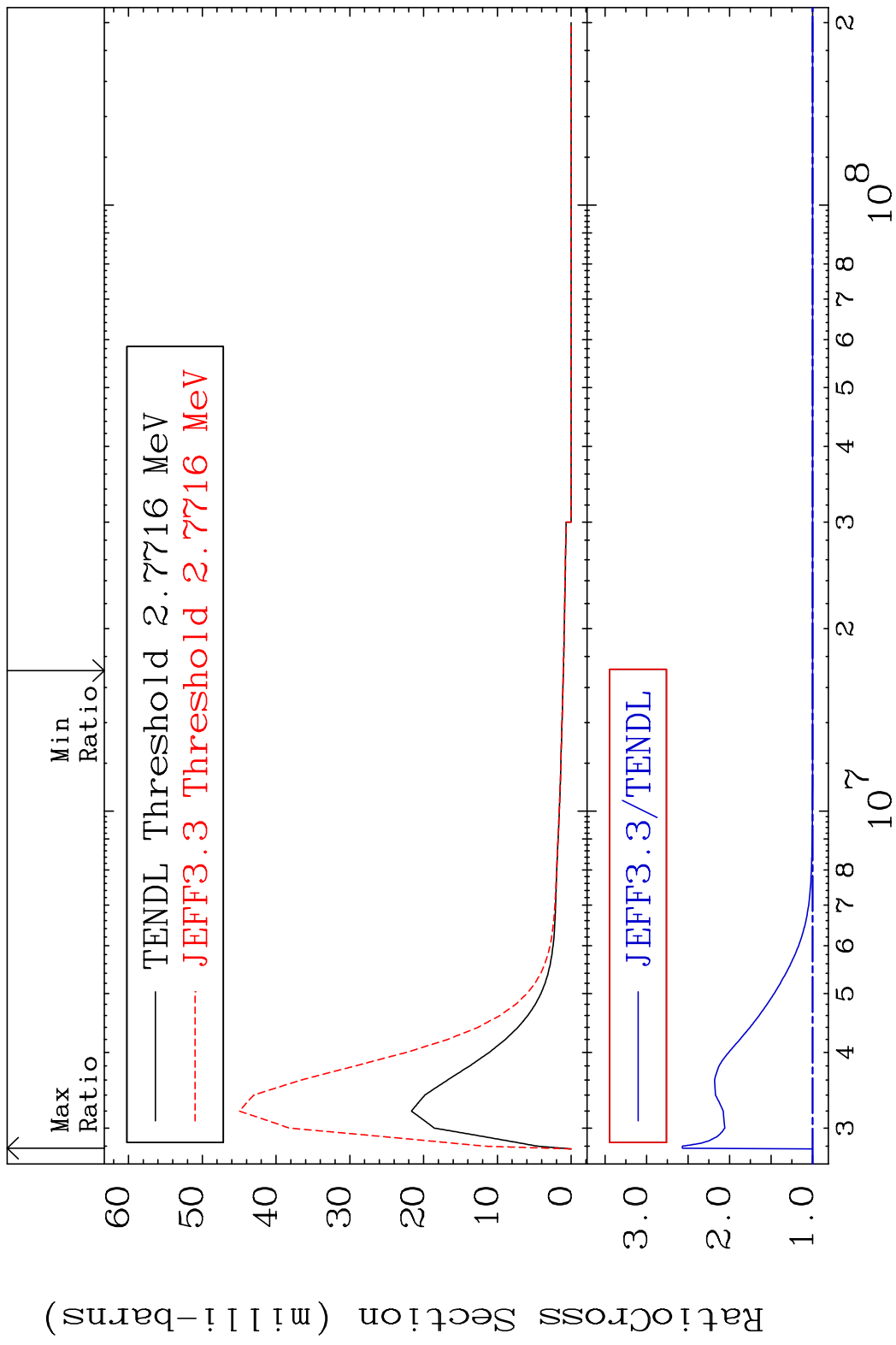
MAT 5225 MT= 73 (n, n') Level 52-Te-120
 Cross Section -100.0 To 186.6 %



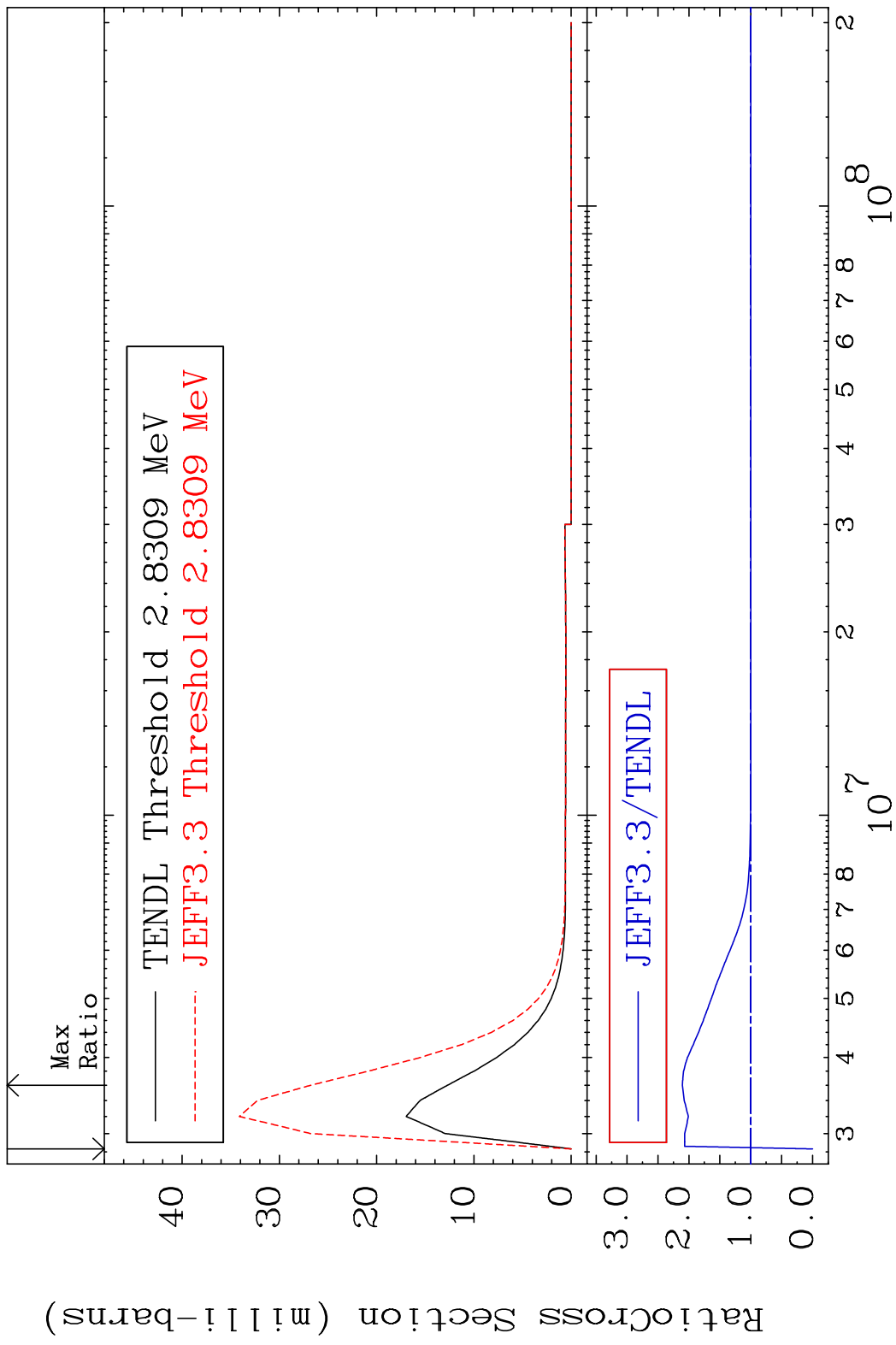
MAT 5225 MT= 74 (n,n') Level 52-Te-120
 Cross Section -100.0 To 128.4 %



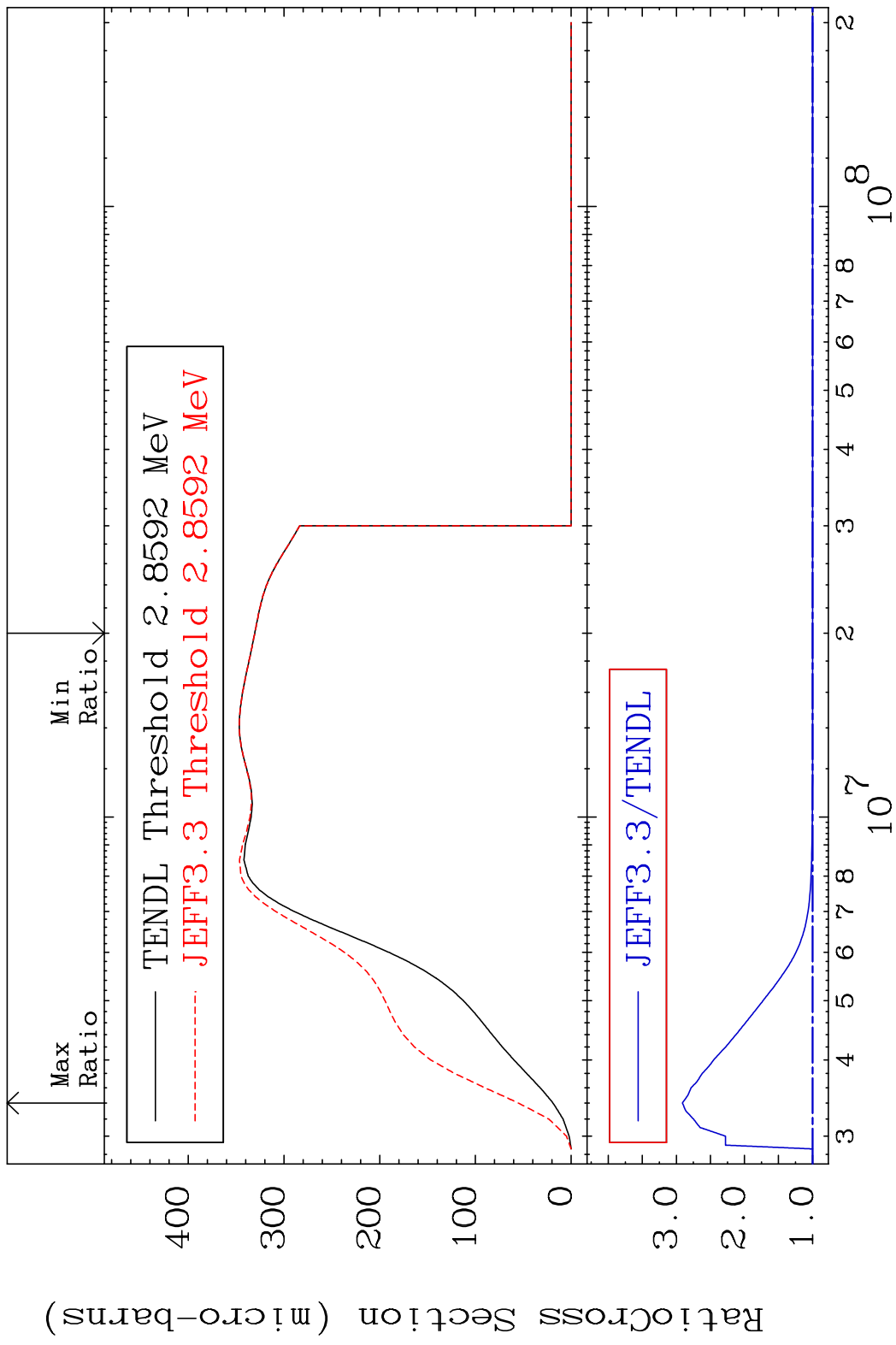
MAT 5225 MT= 75 (n,n') Level 52-Te-120
 Cross Section 0.000 To 156.9 %



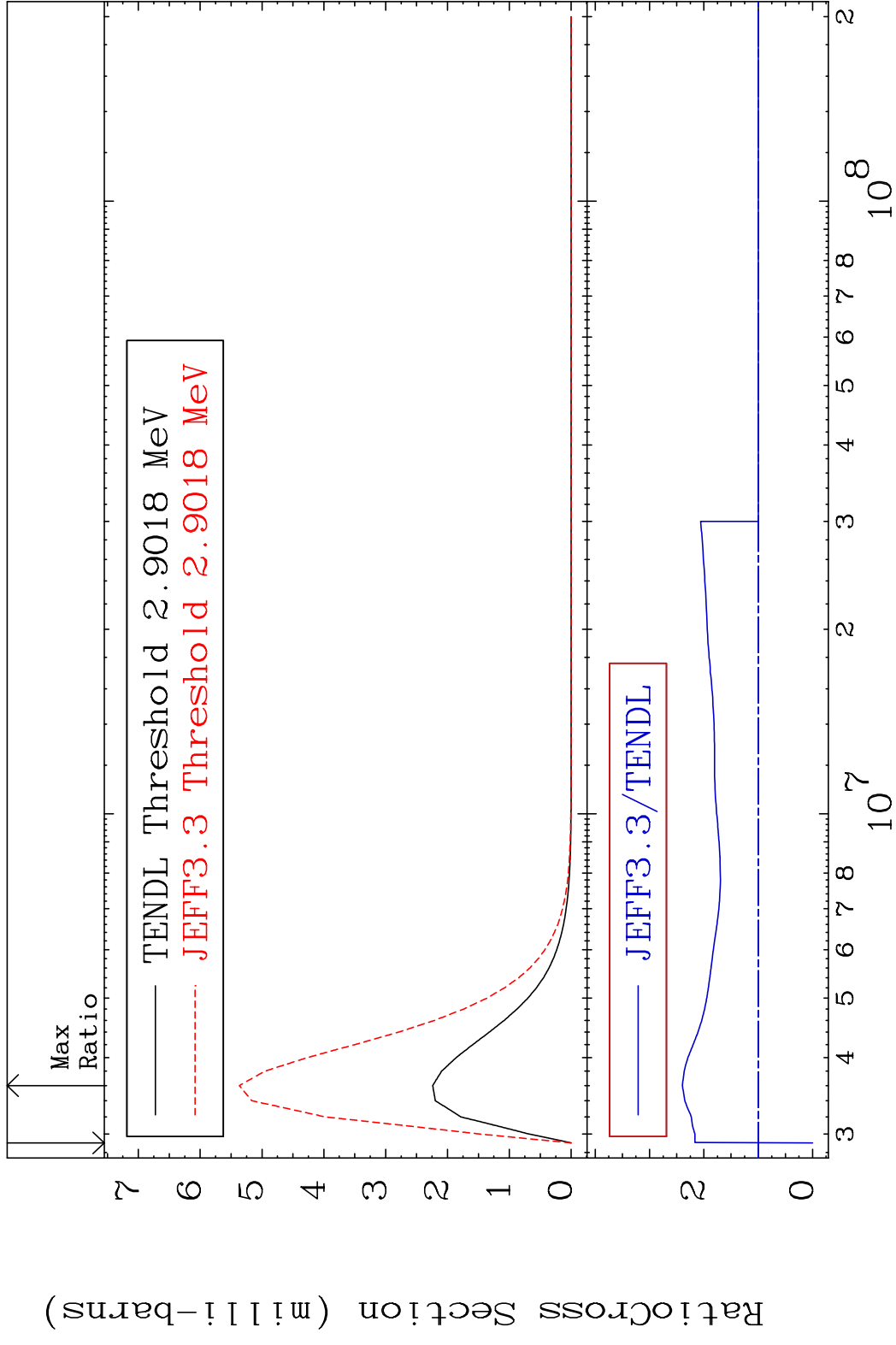
MAT 5225 MT= 76 (n, n') Level 52-Te-120
 Cross Section -100.0 To 110.6 %



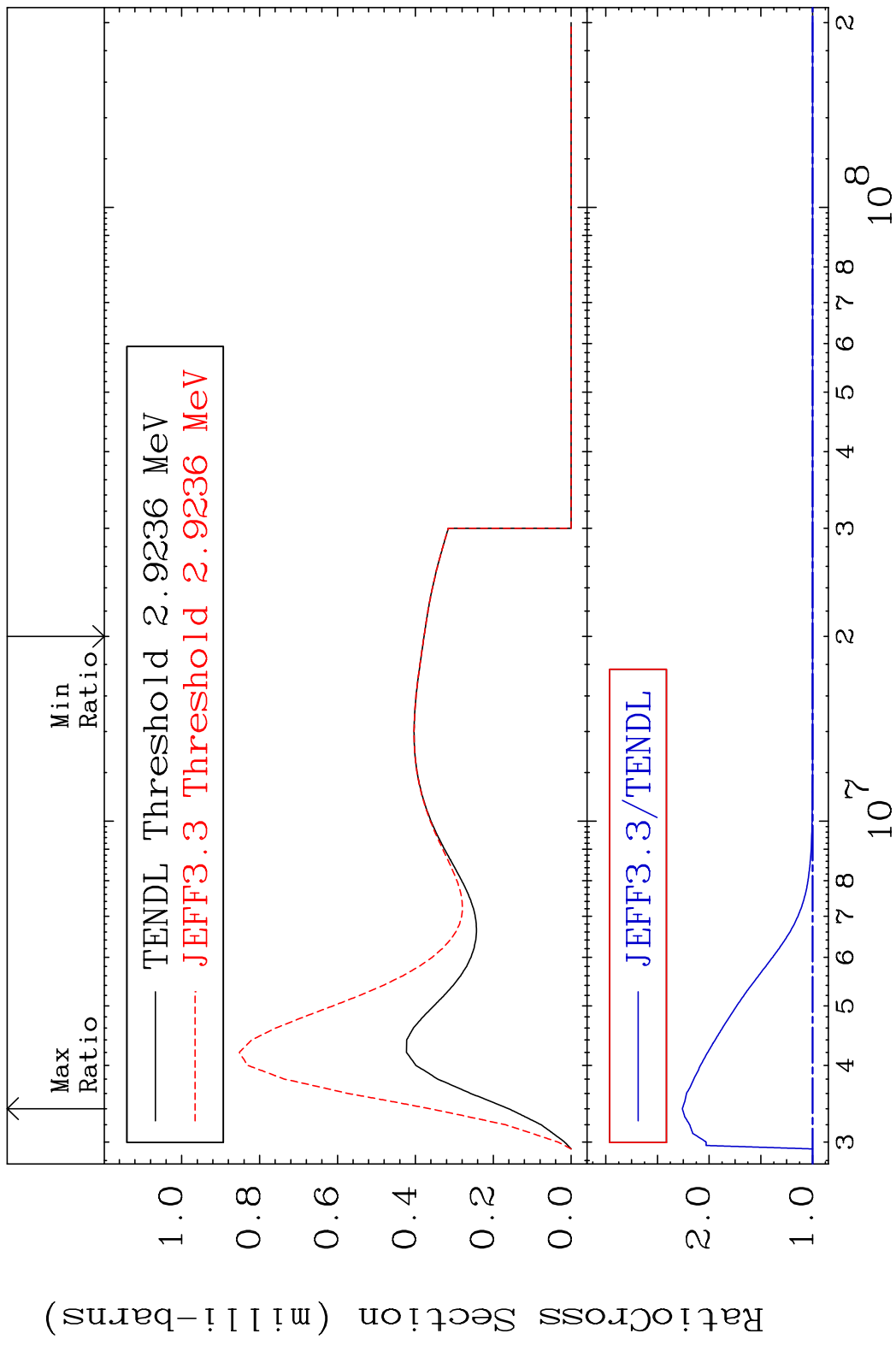
MAT 5225 MT= 77 (n, n') Level 52-Te-120
 Cross Section 0.000 To 191.2 %



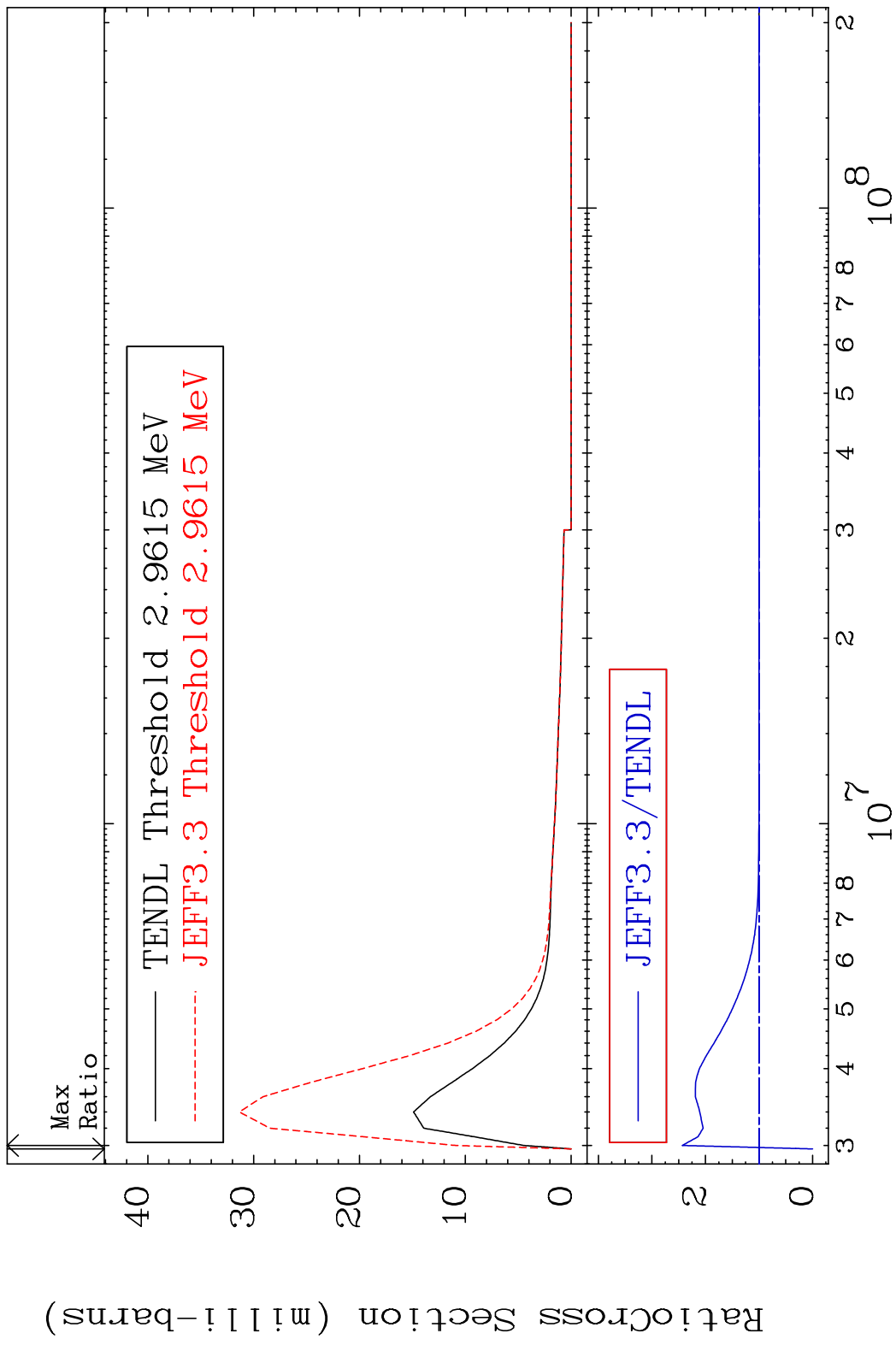
MAT 5225 MT= 78 (n,n') Level 52-Te-120
 Cross Section -100.0 To 139.6 %



MAT 5225 MT= 79 (n,n') Level 52-Te-120
 Cross Section 0.000 To 125.9 %



MAT 5225 MT= 80 (n, n') Level 52-Te-120
 Cross Section -100.0 To 143.2 %

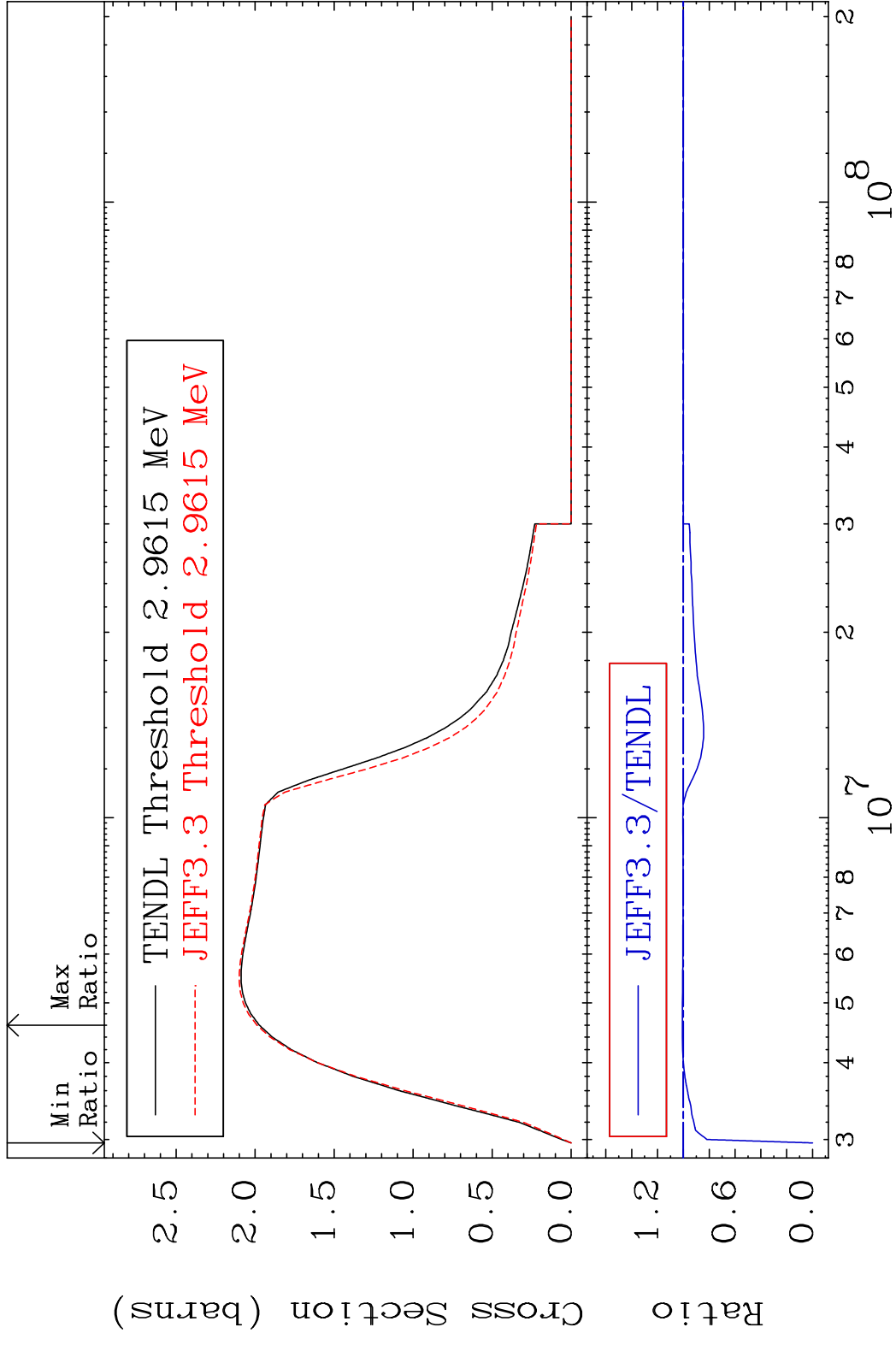


MAT 5225

(n, n') Continuum

52-Te-120

Cross Section -100.0 To 0.780 %

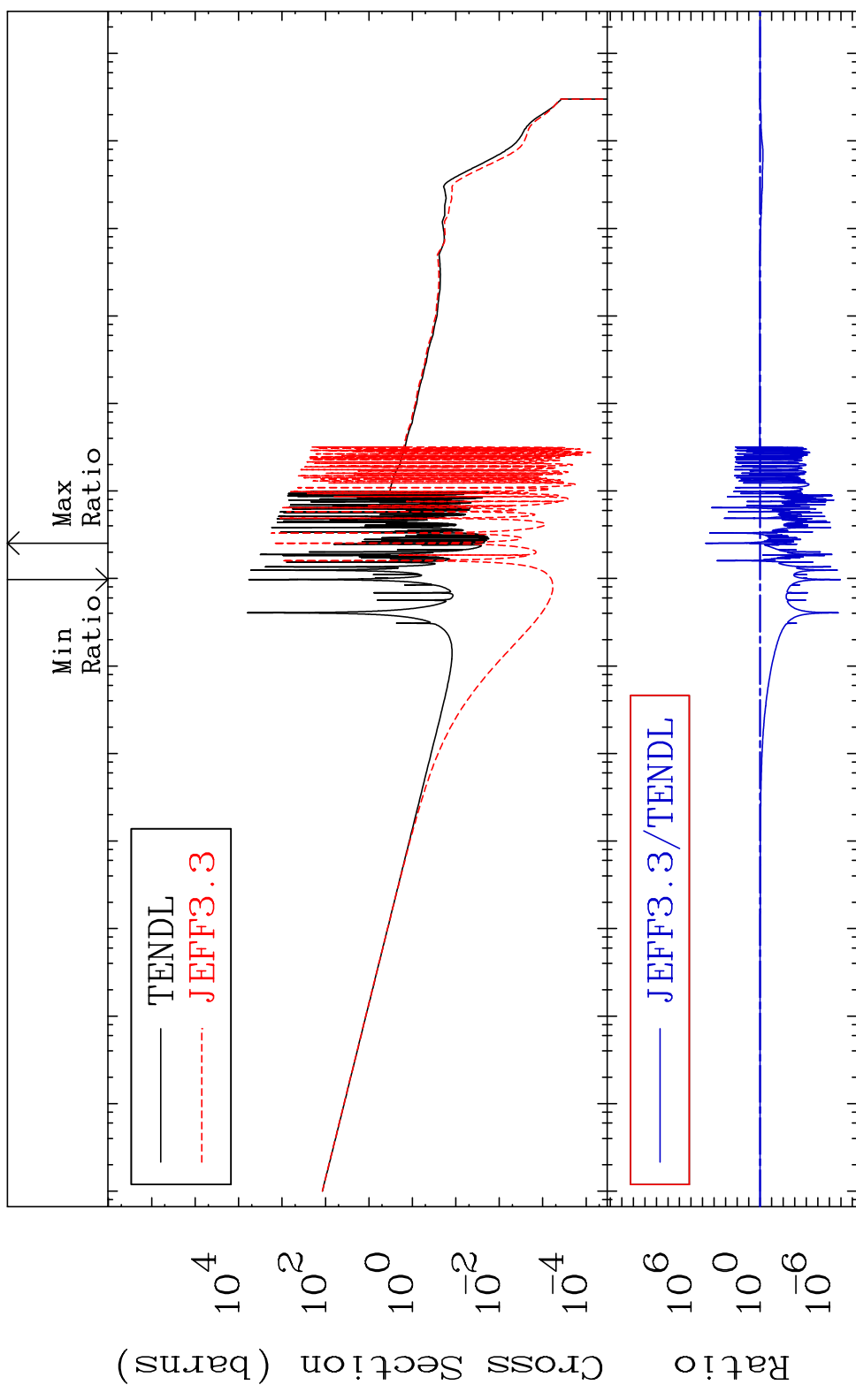


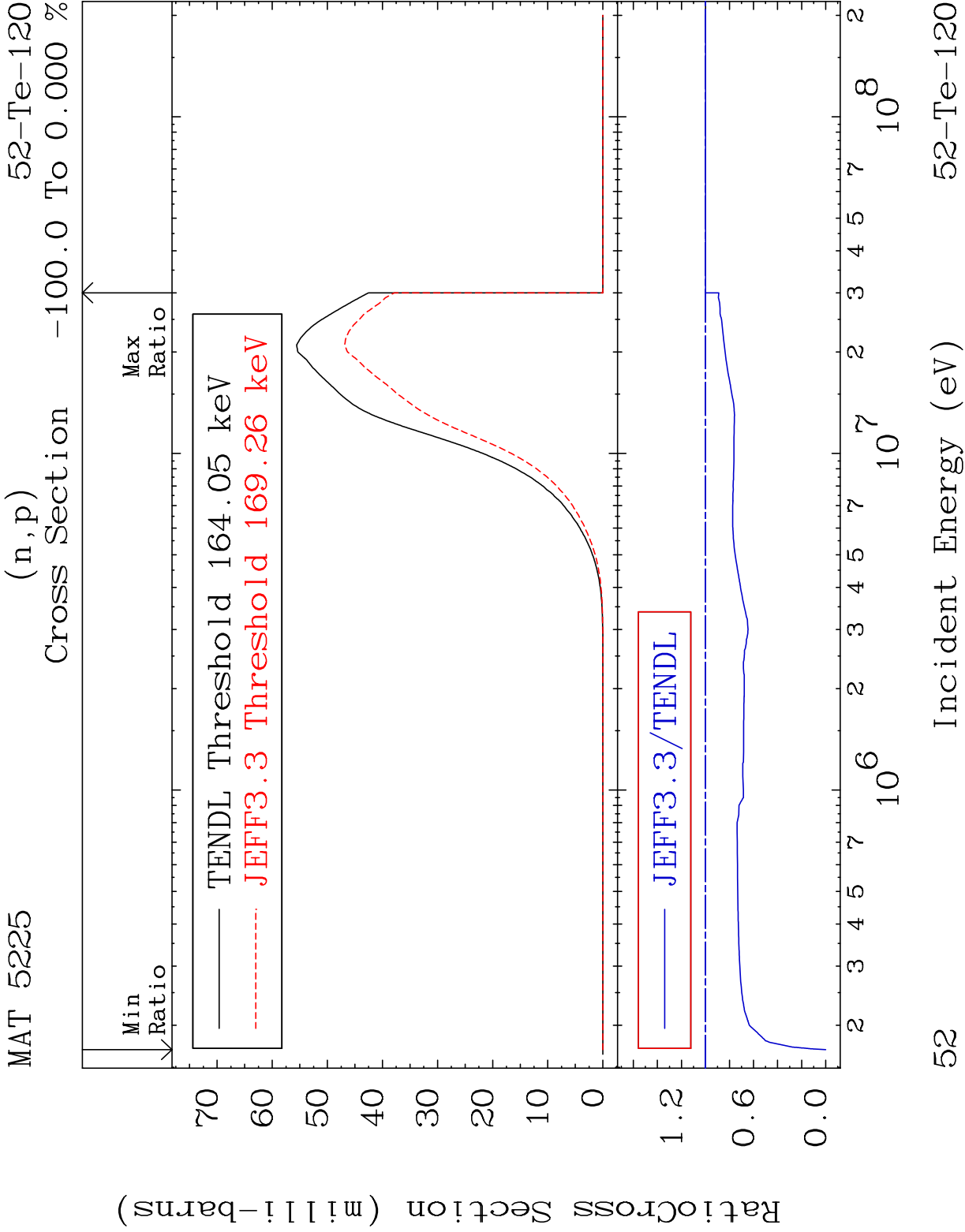
MAT 5225

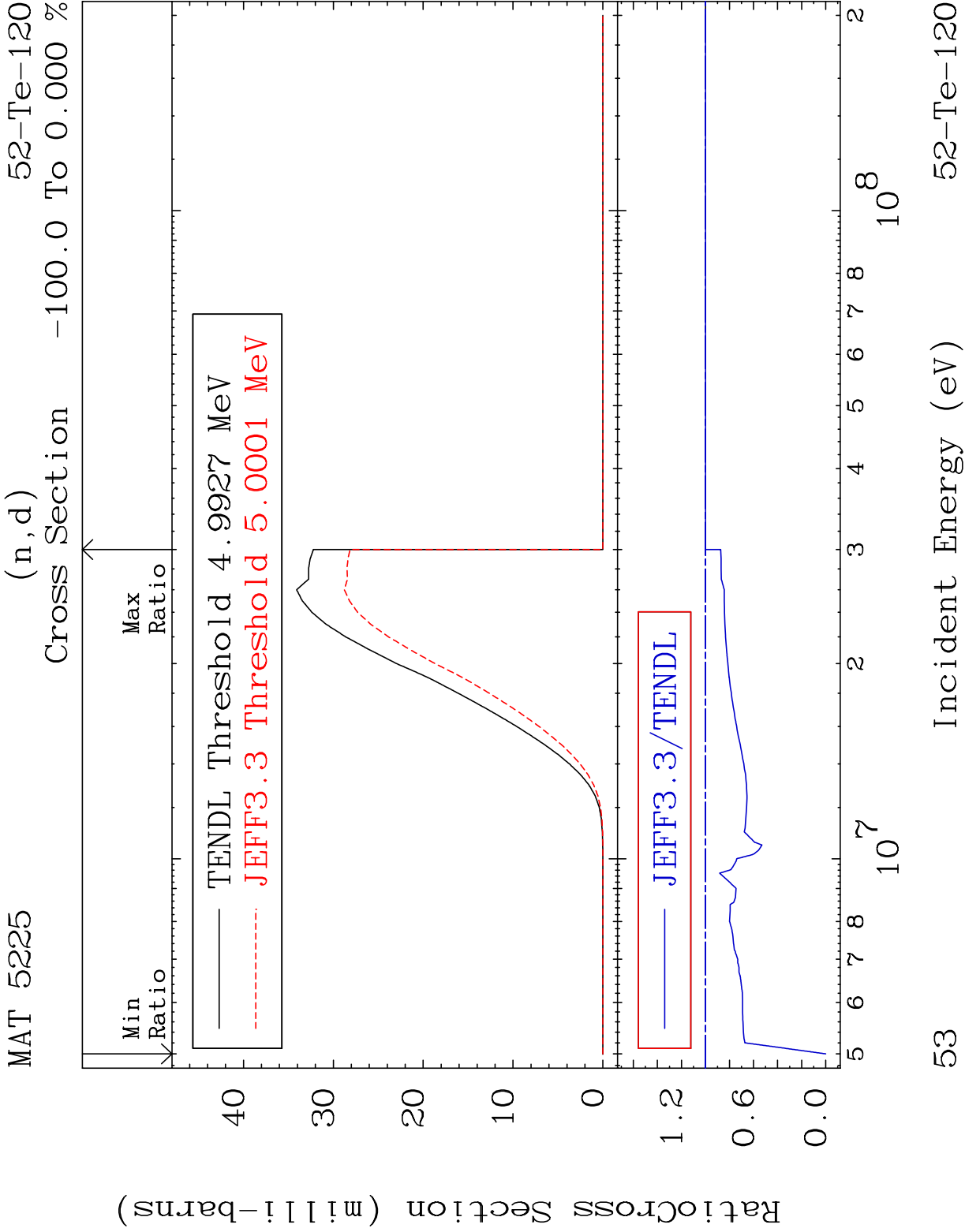
(n, γ)

52-Te-120

Cross Section -100.0 To 9999. %





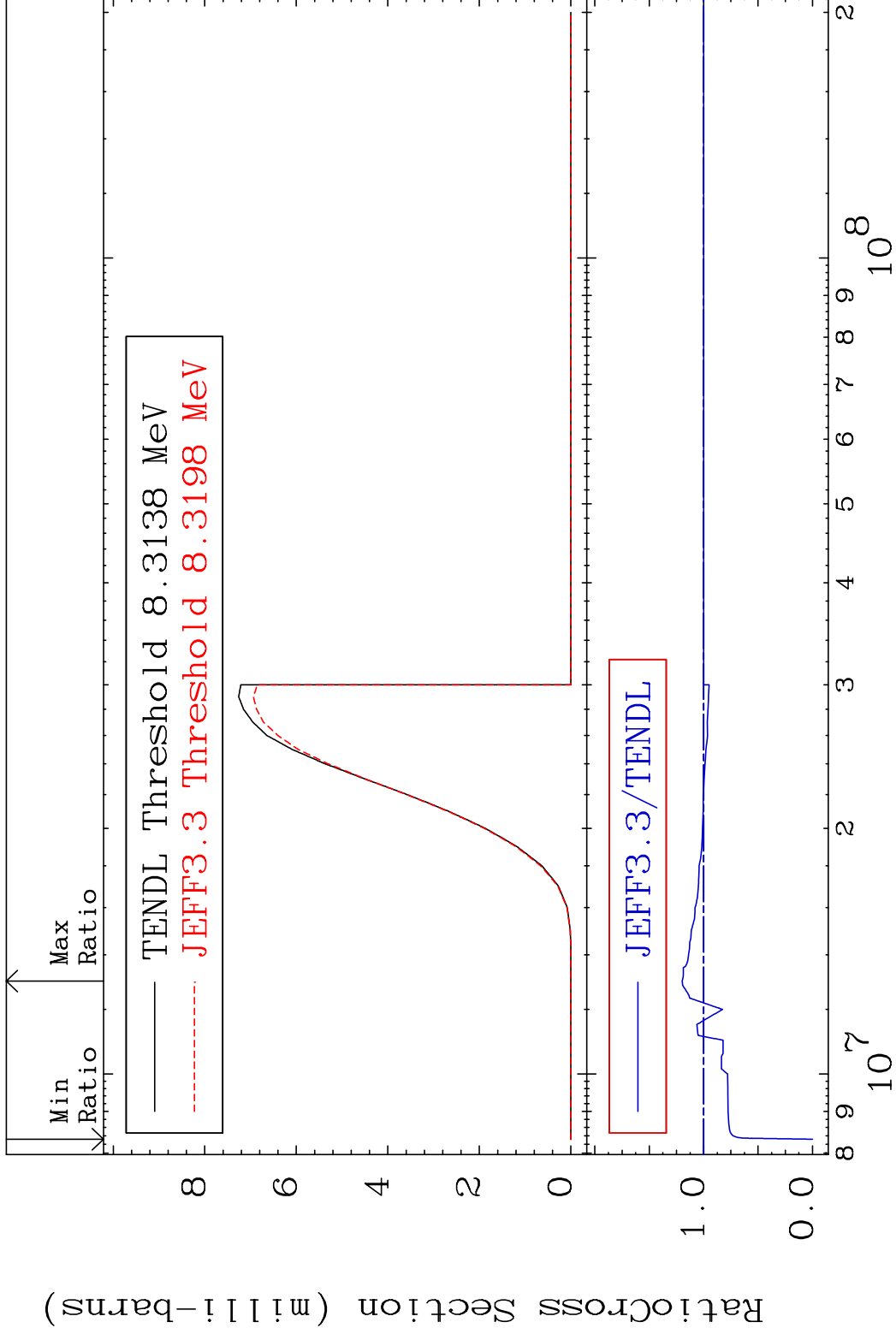


MAT 5225

(n, t)

52-Te-120

Cross Section -100.0 To 19.77 %

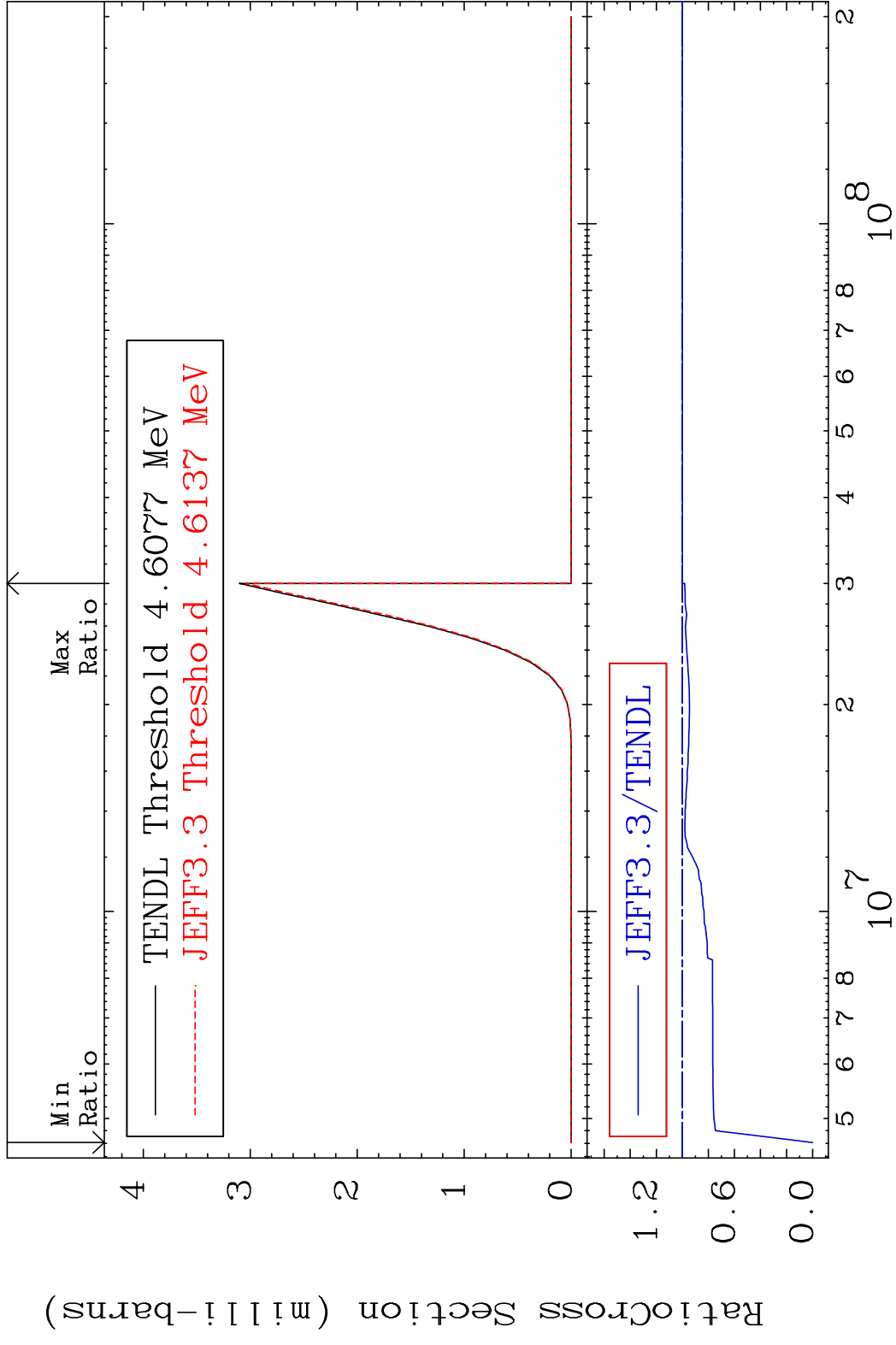


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Incident Energy (eV)

52-Te-120

MAT 5225 (n, He-3) 52-Te-120
 Cross Section -100.0 To 0.000 %

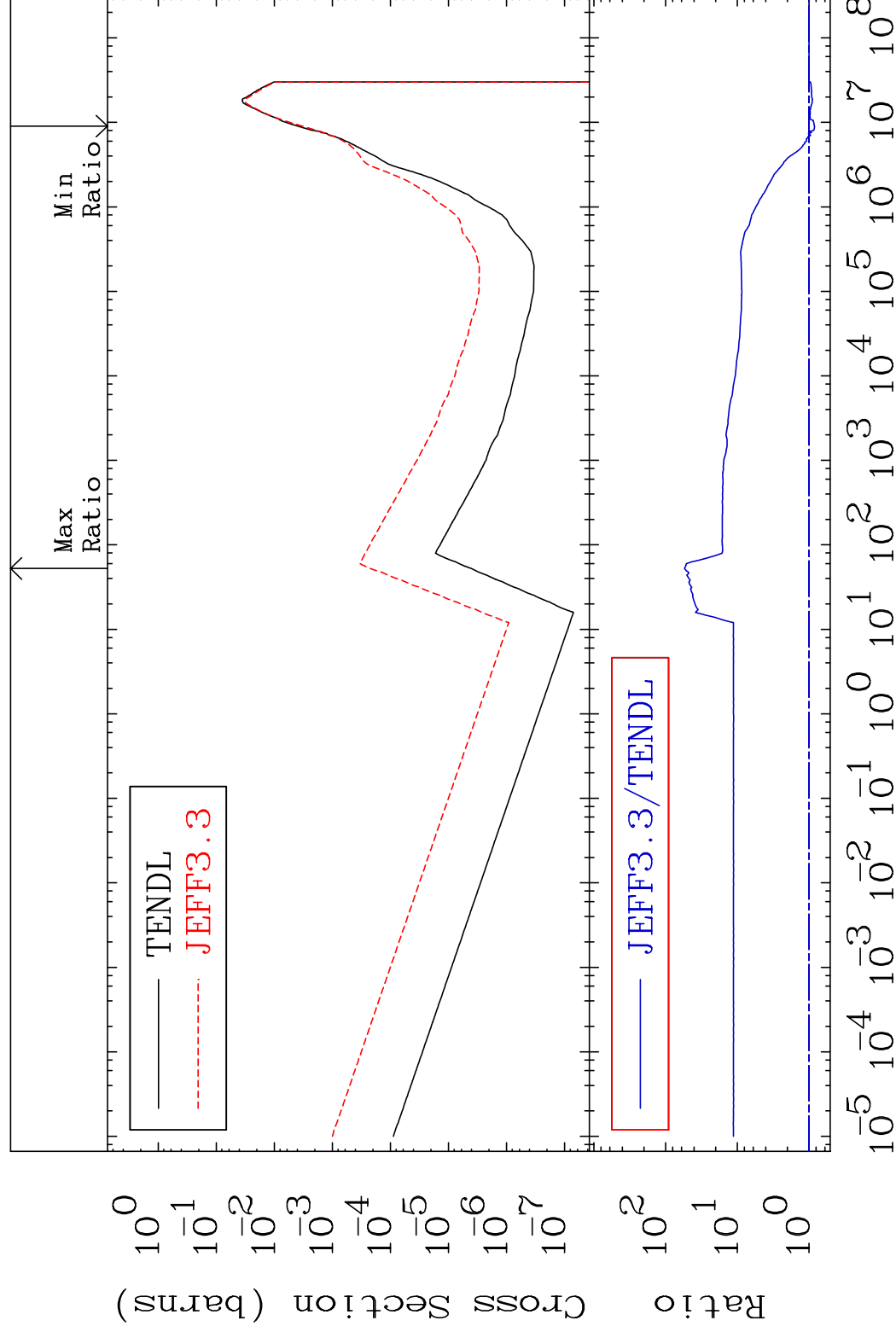


MAT 5225

(n, α)

52-Te-120

Cross Section -15.89 To 5360. %



56

Incident Energy (eV)

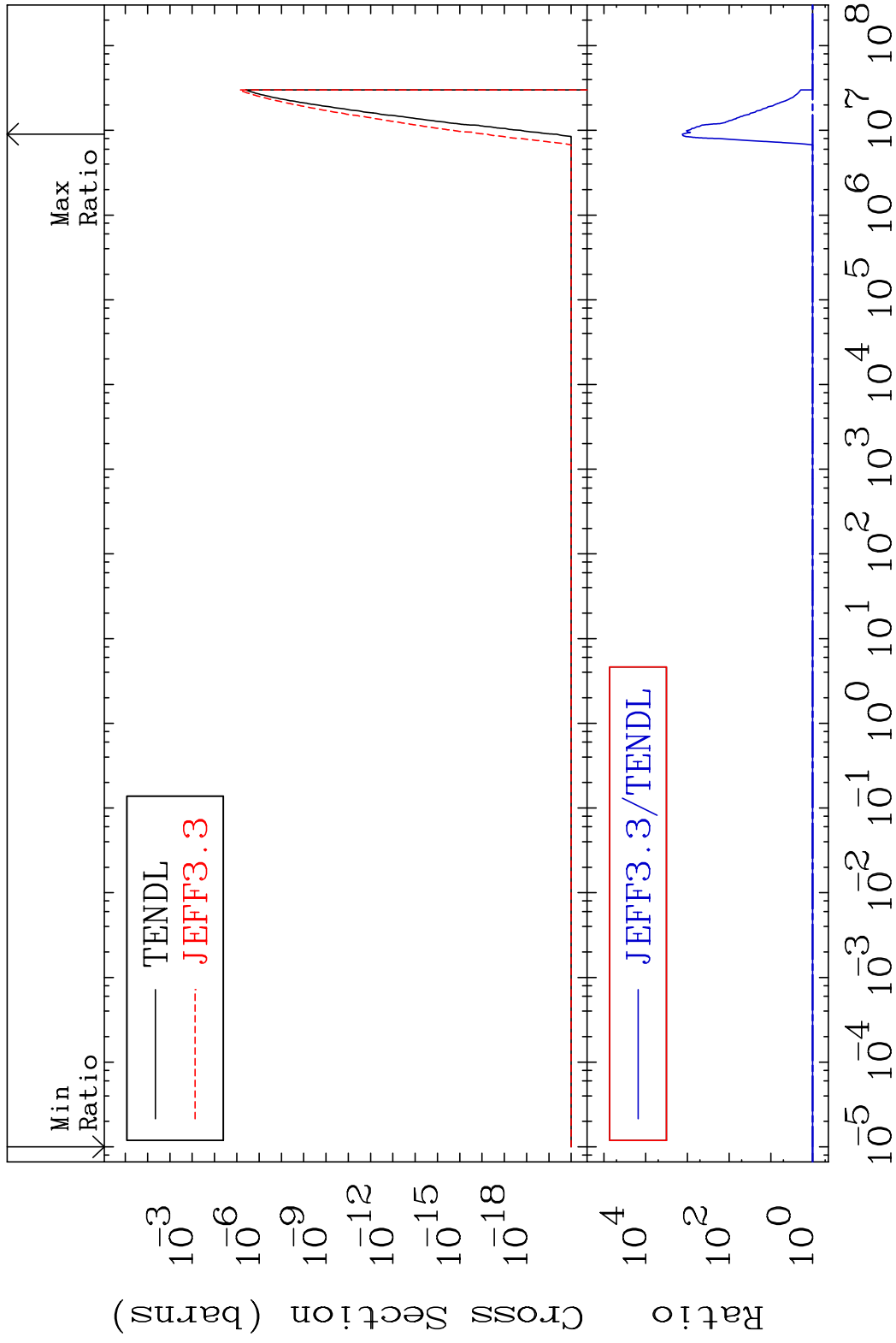
52-Te-120

MAT 5225

(n,2α)

52-Te-120

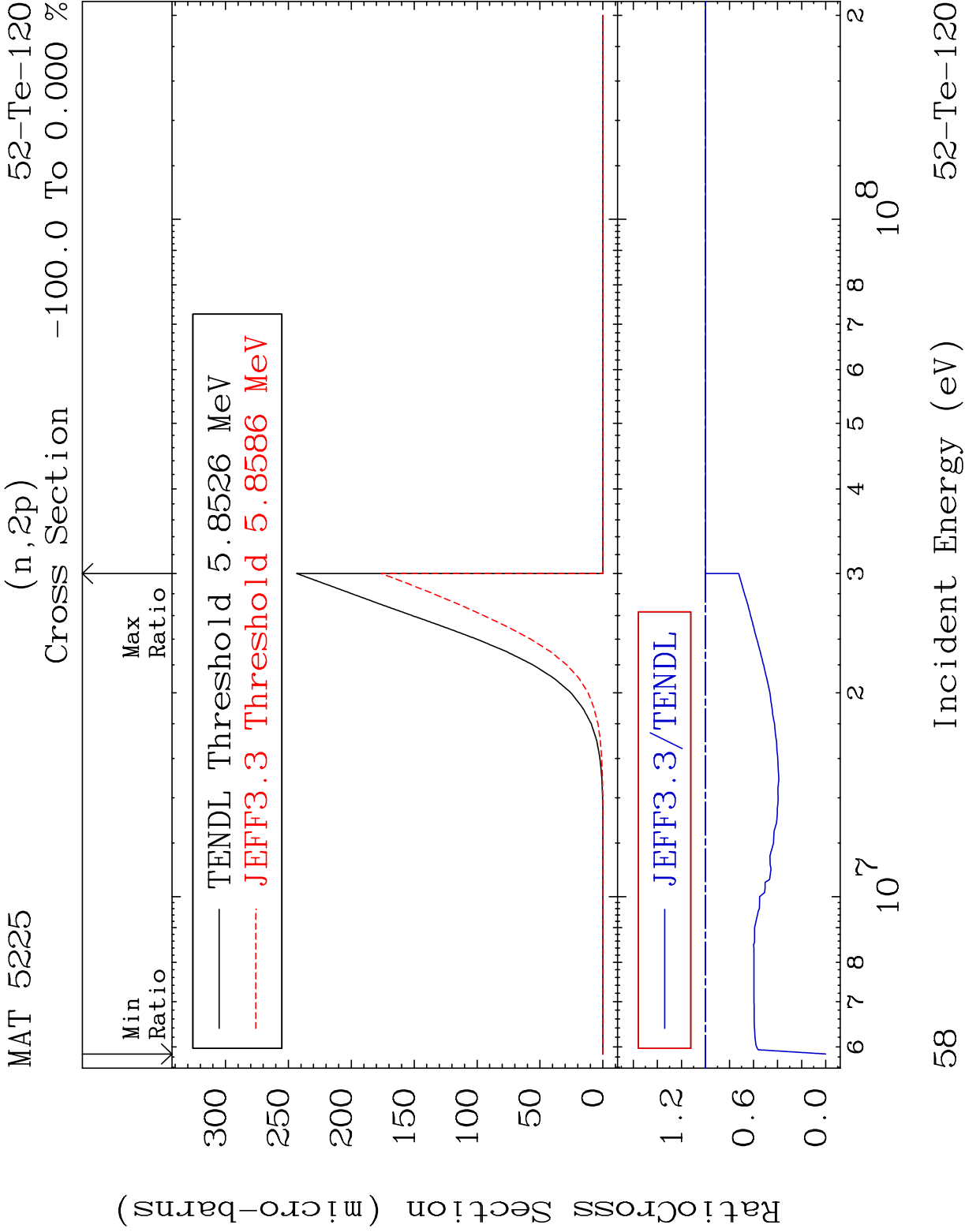
Cross Section 0.000 To 9999. %



57

Incident Energy (eV)

52-Te-120

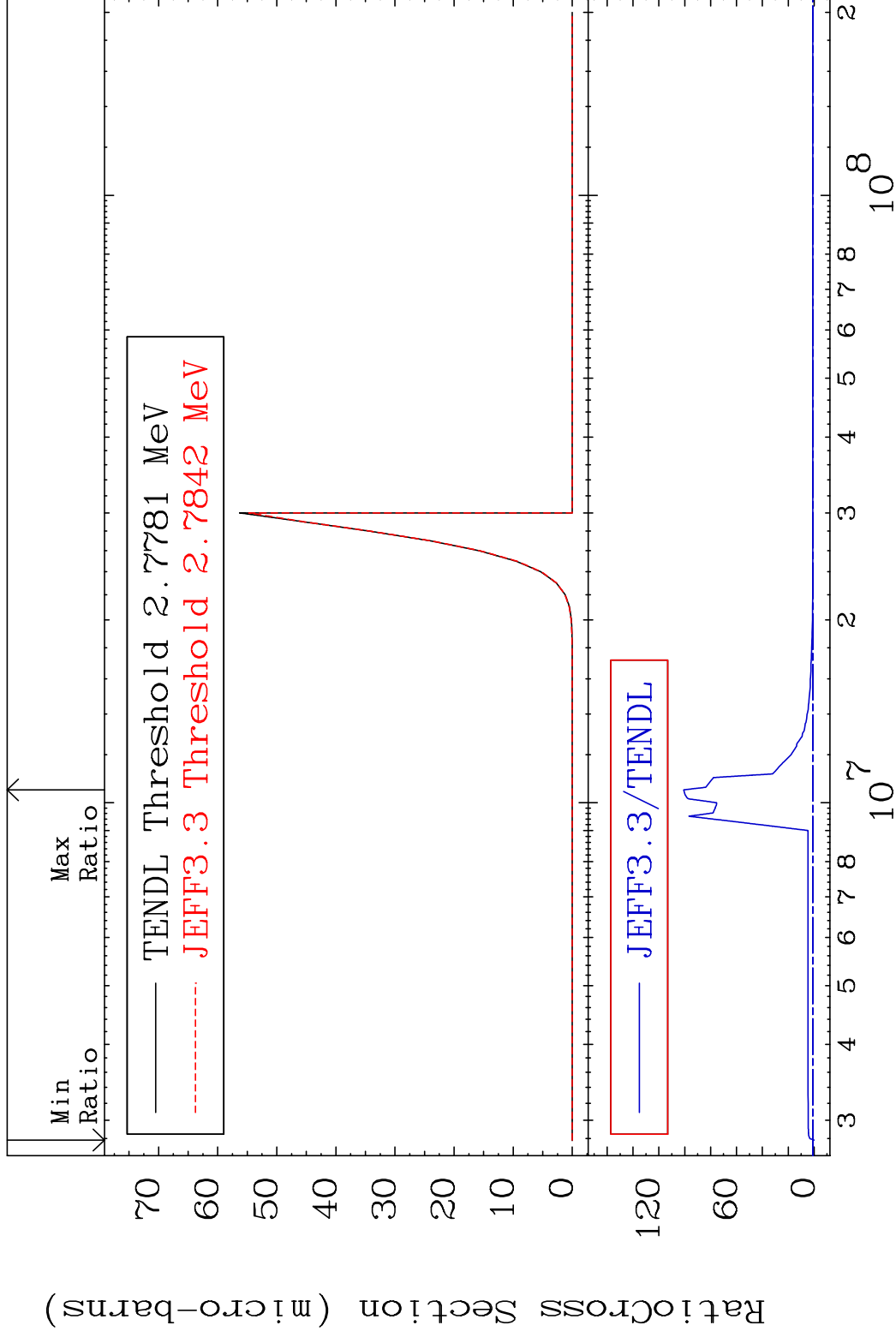


MAT 5225

(n,p) α

52-Te-120

Cross Section -100.0 To 9984. %



59

Incident Energy (eV)

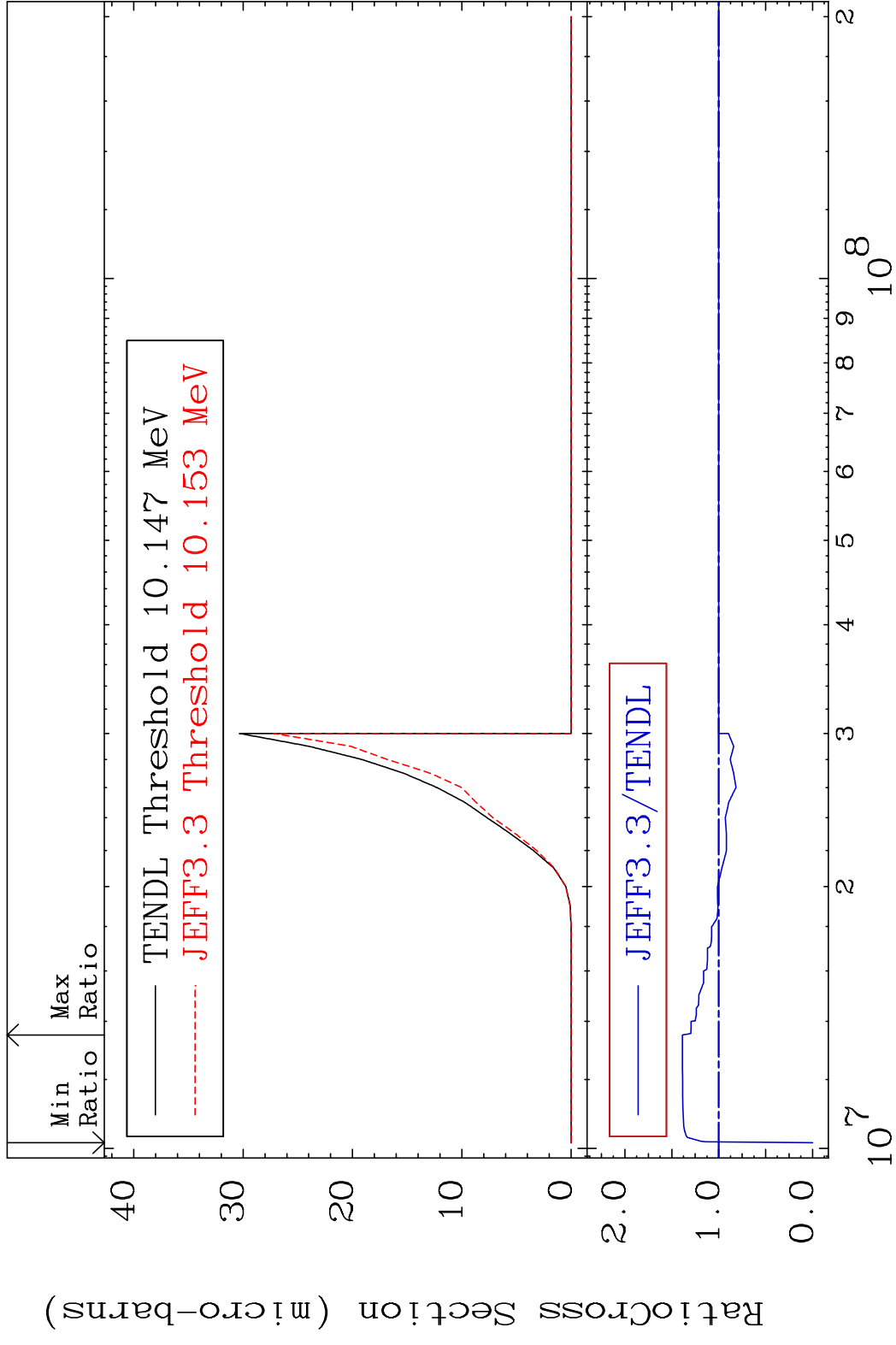
52-Te-120

MAT 5225

(n,p) d

52-Te-120

Cross Section -100.0 To 38.77 %

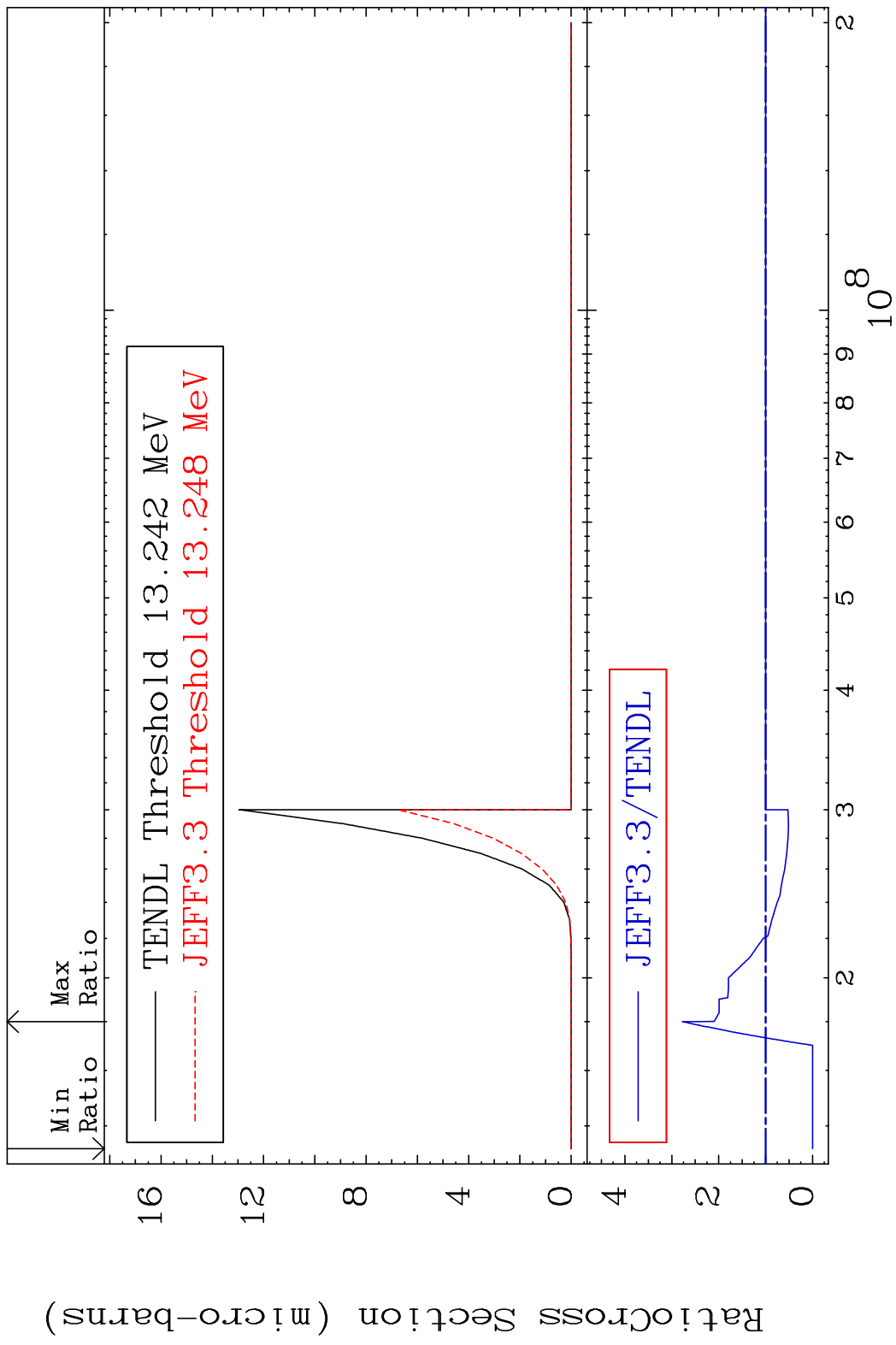


60

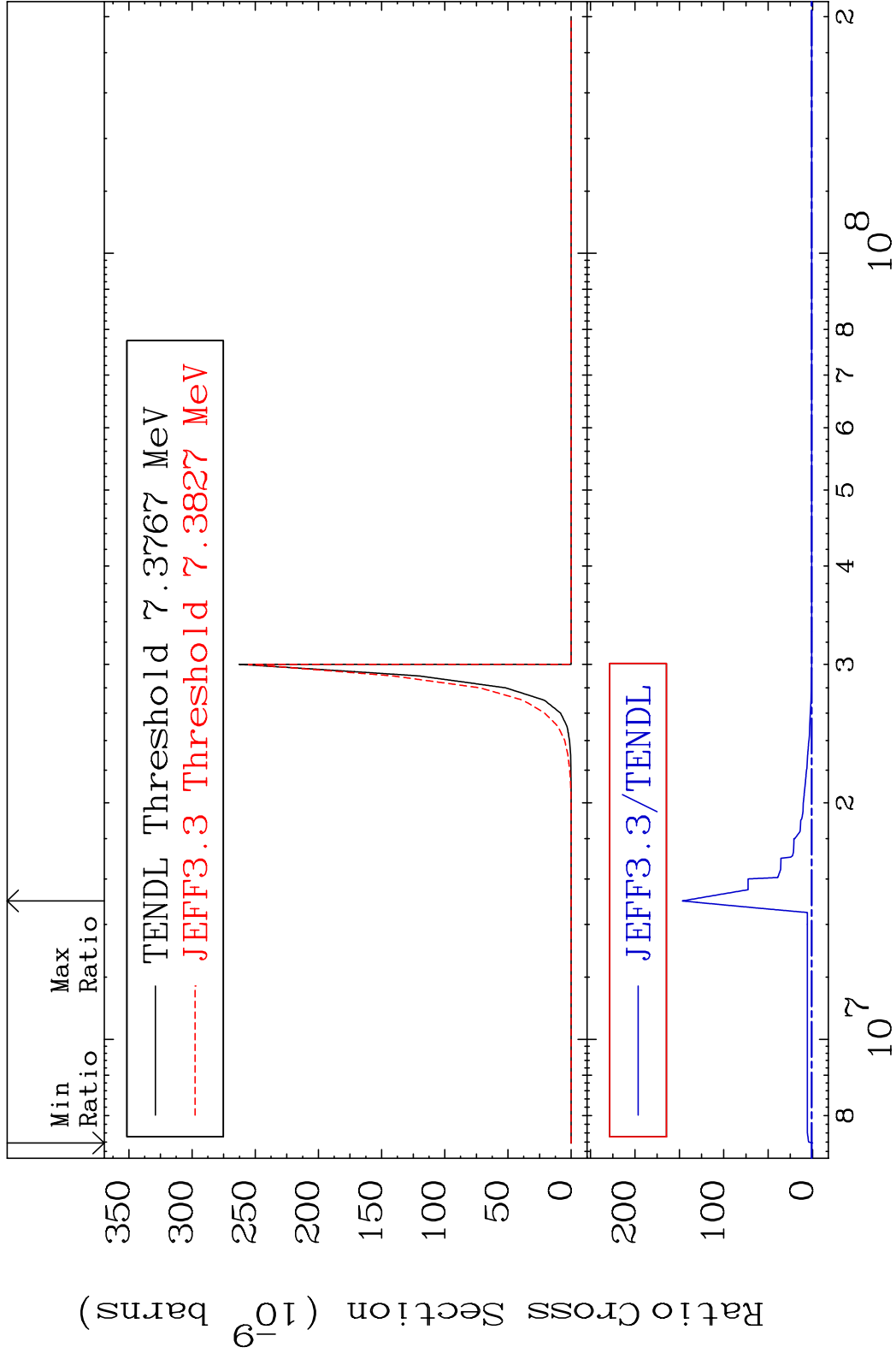
Incident Energy (eV)

52-Te-120

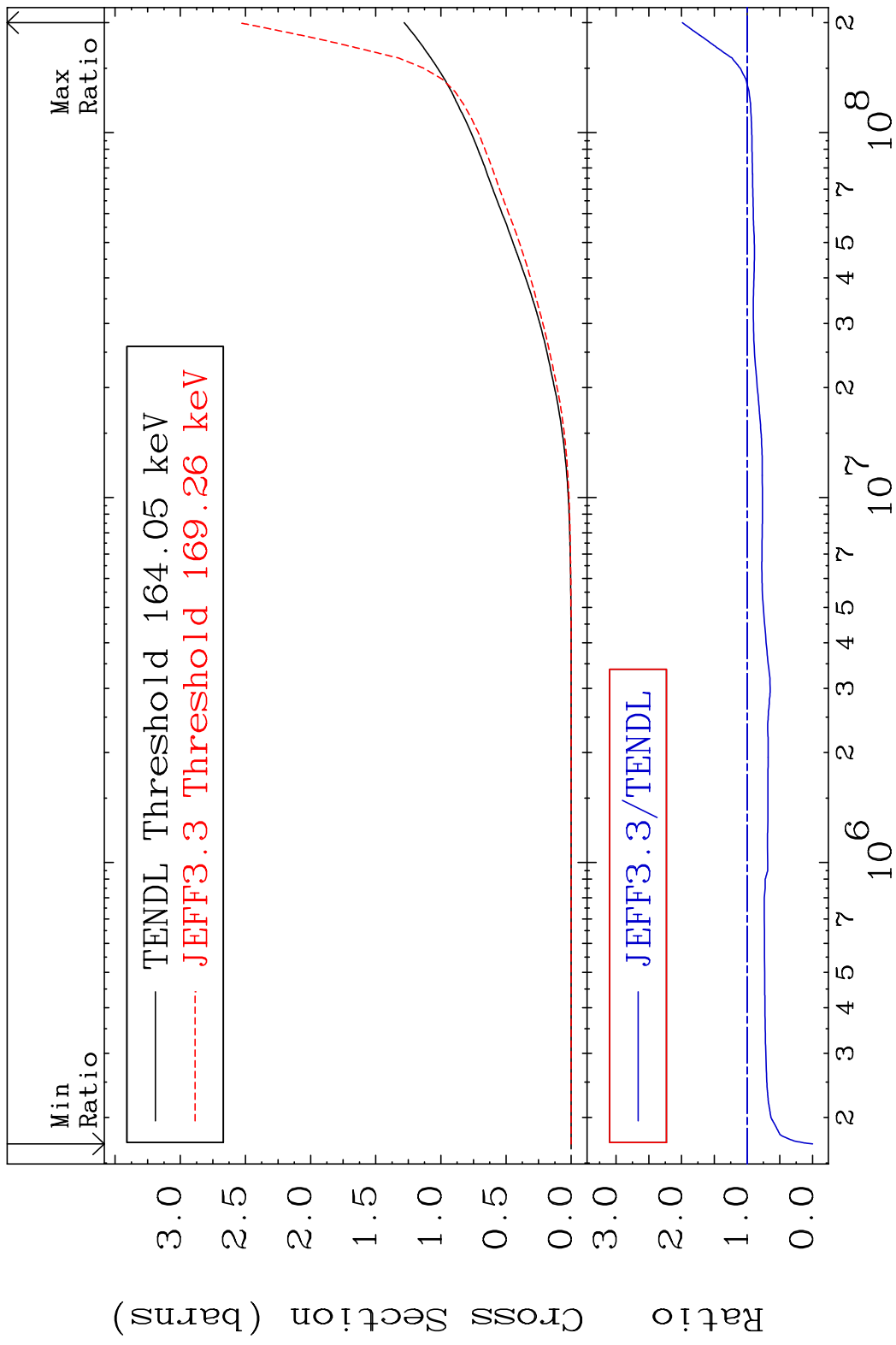
MAT 5225 (n,p) t 52-Te-120
 Cross Section -100.0 To 177.5 %



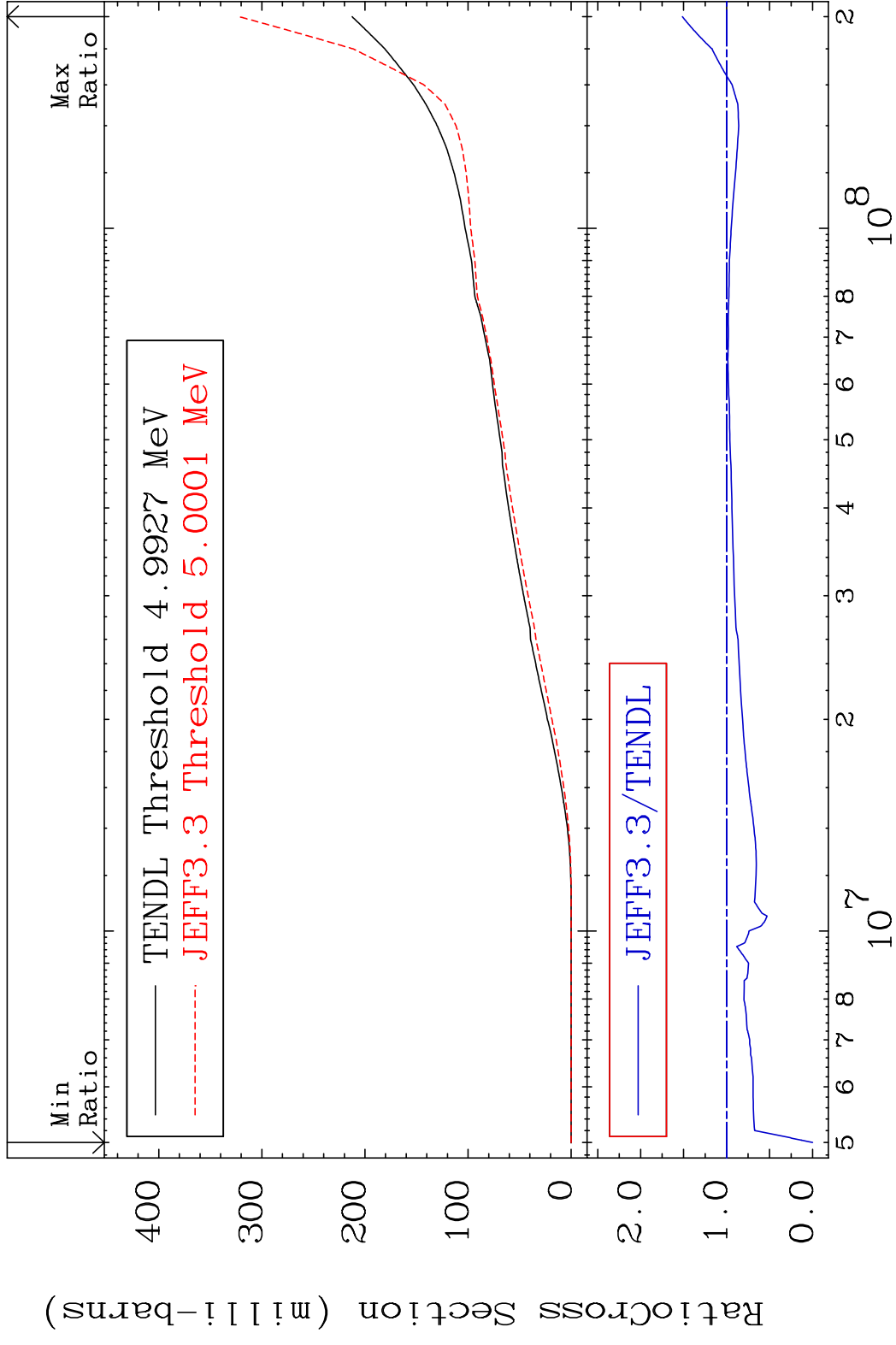
MAT 5225 (n,d) α 52-Te-120
 Cross Section -100.0 To 9999. %



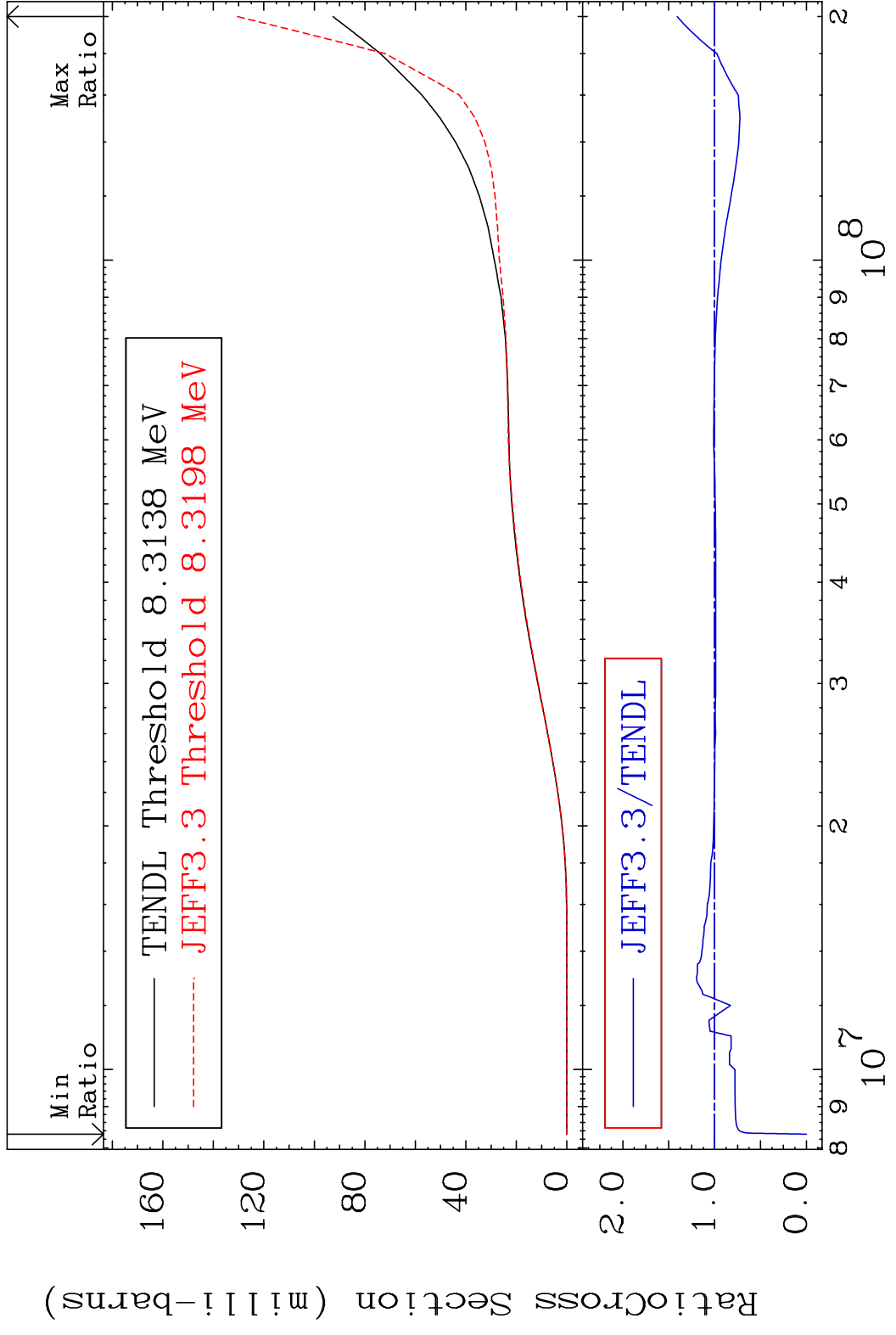
MAT 5225 Hydrogen Production 52-Te-120
 Cross Section -100.0 To 98.81 %



MAT 5225 Deuterium Production 52-Te-120
 Cross Section -100.0 To 51.49 %



MAT 5225 Tritium Production 52-Te-120
 Cross Section -100.0 To 40.78 %



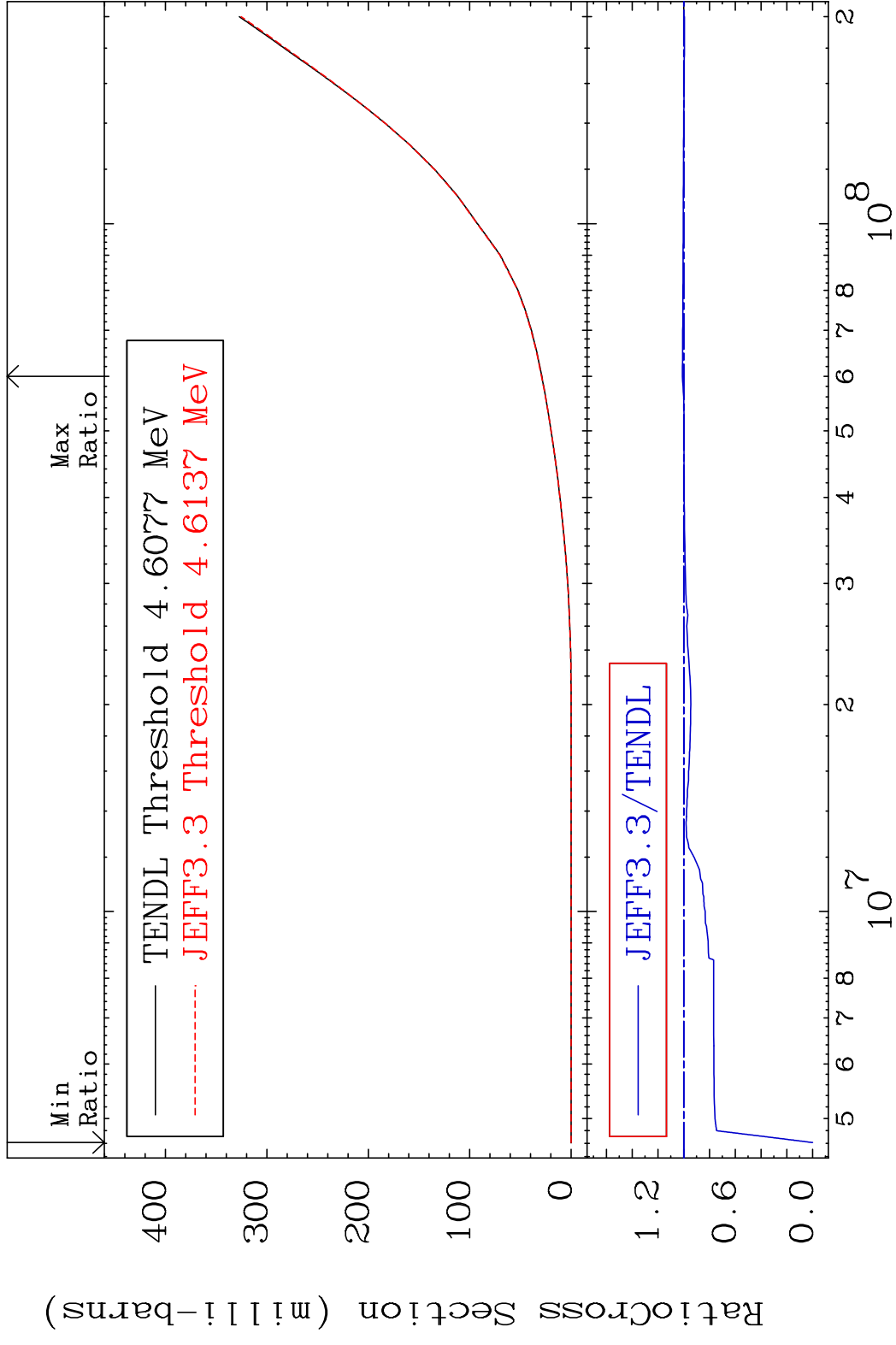
65 52-Te-120

MAT 5225

He-3 Production

52-Te-120

Cross Section -100.0 To 1.061 %

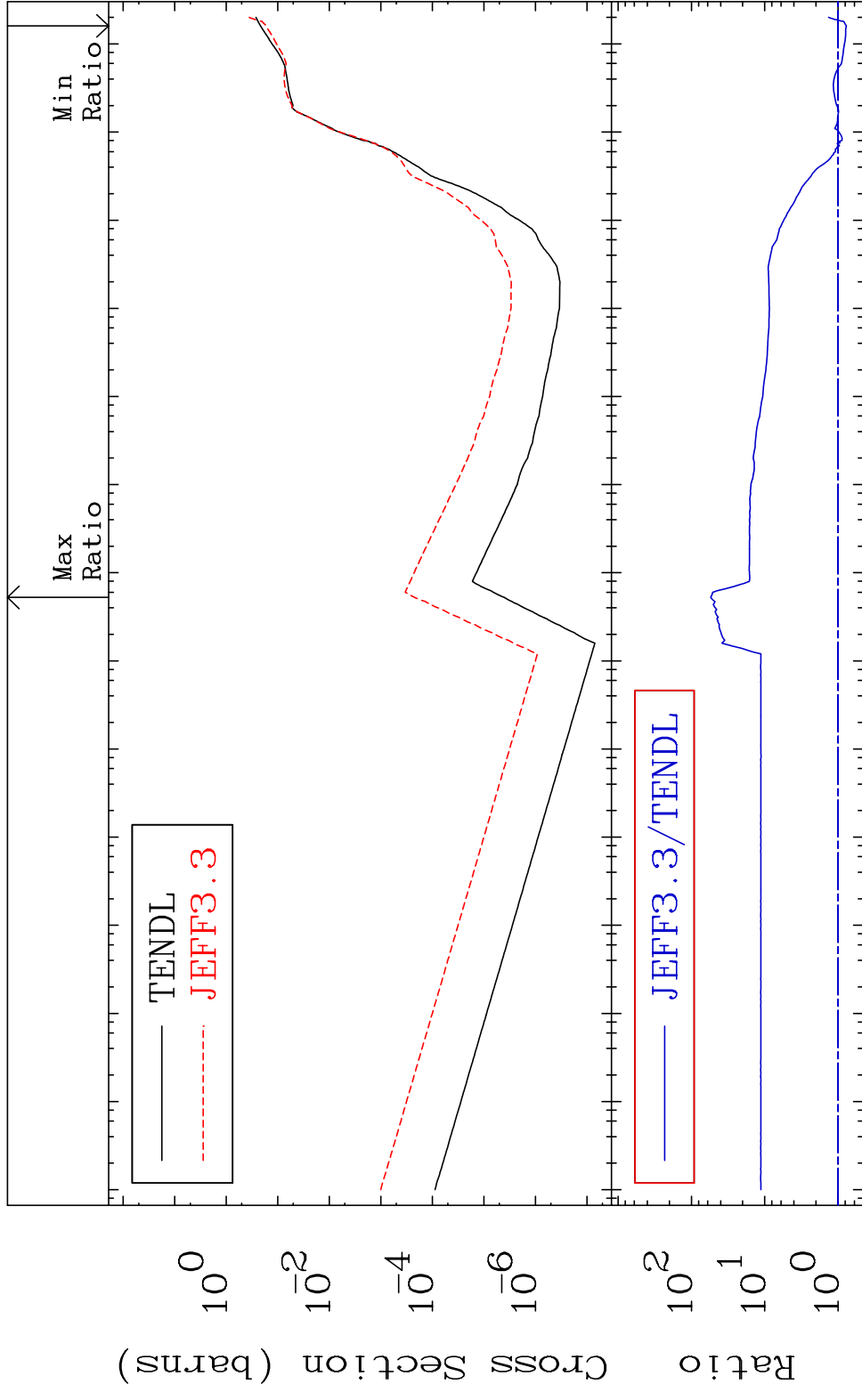


MAT 5225

He-4 Production

52-Te-120

Cross Section -22.78 To 5360. %

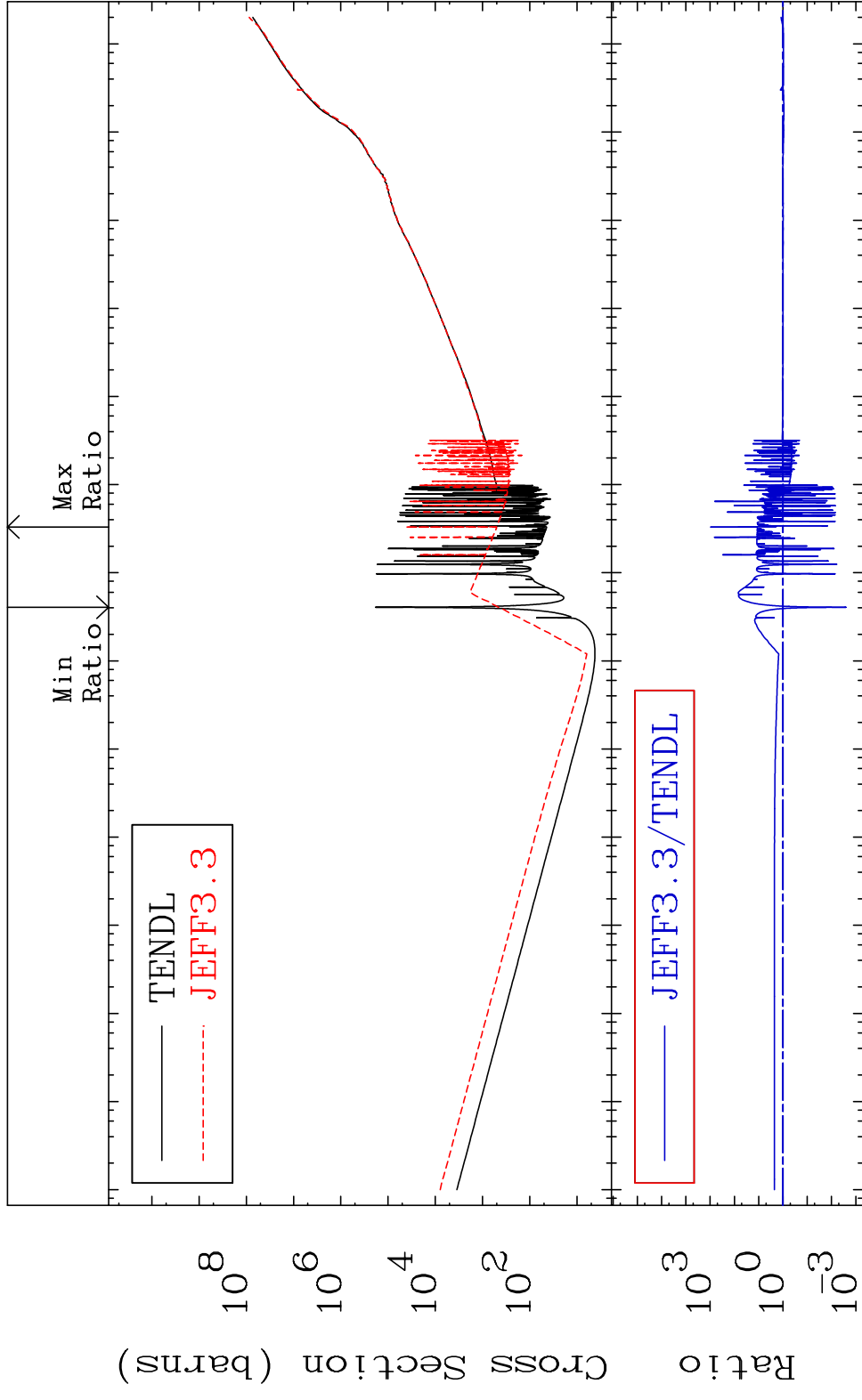


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Incident Energy (eV)

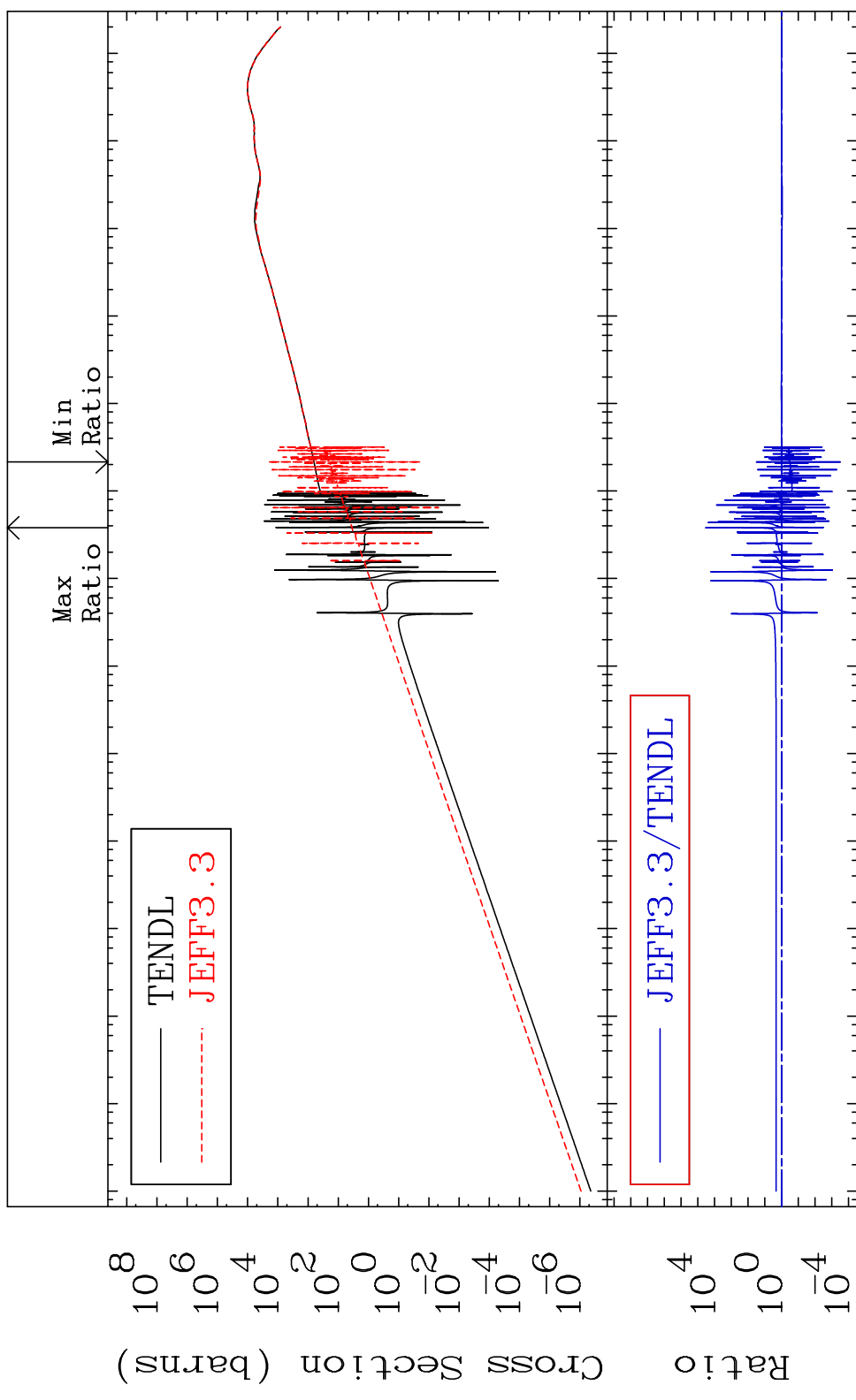
52-Te-120

MAT 5225 Kerma total (eV-barns) 52-Te-120
 Cross Section -99.75 To 9999. %



MAT 5225

Kerma elastic Cross Section -99.97 %
52-Te-120 To 9999. %



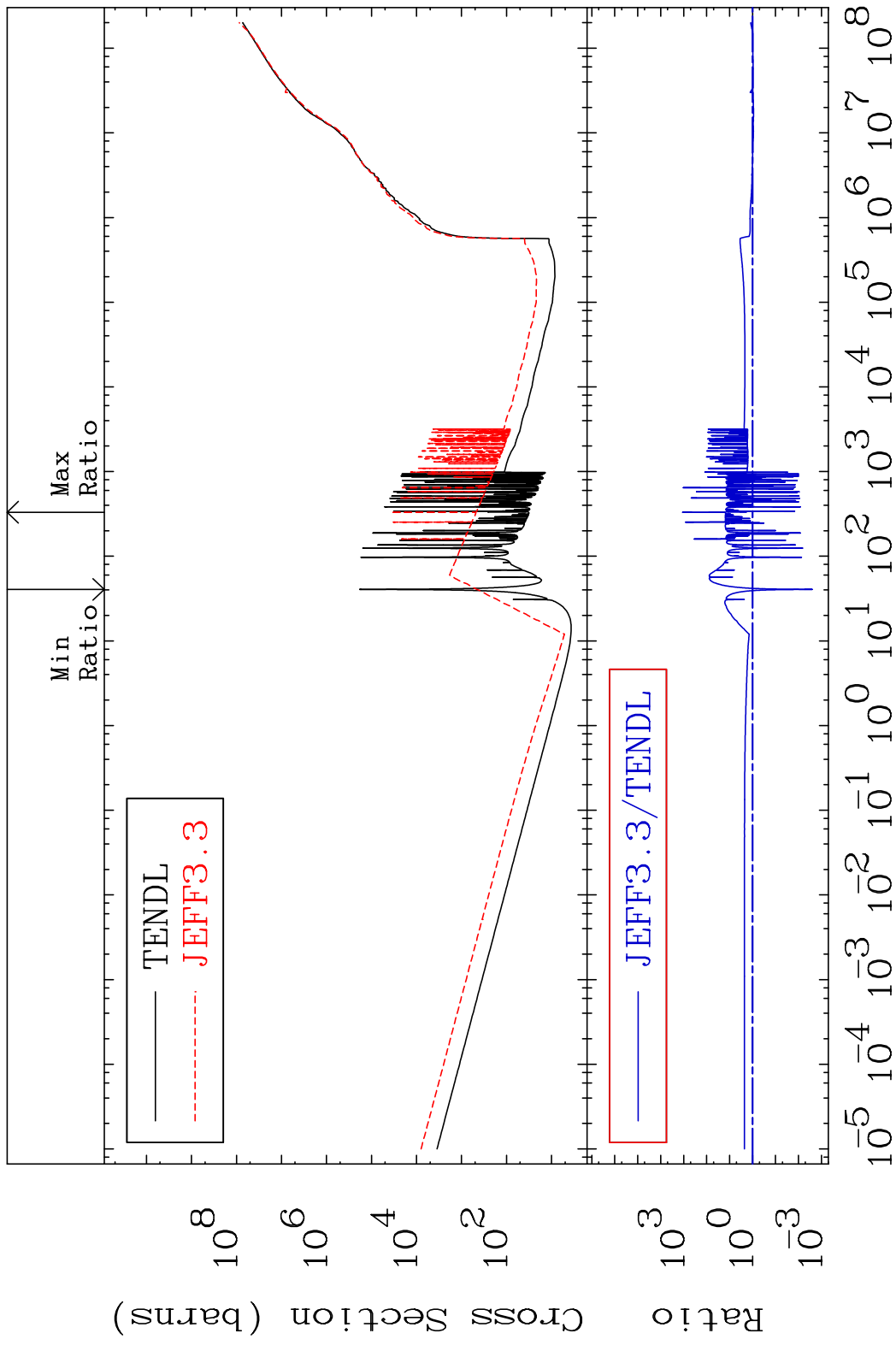
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

69

Incident Energy (eV)

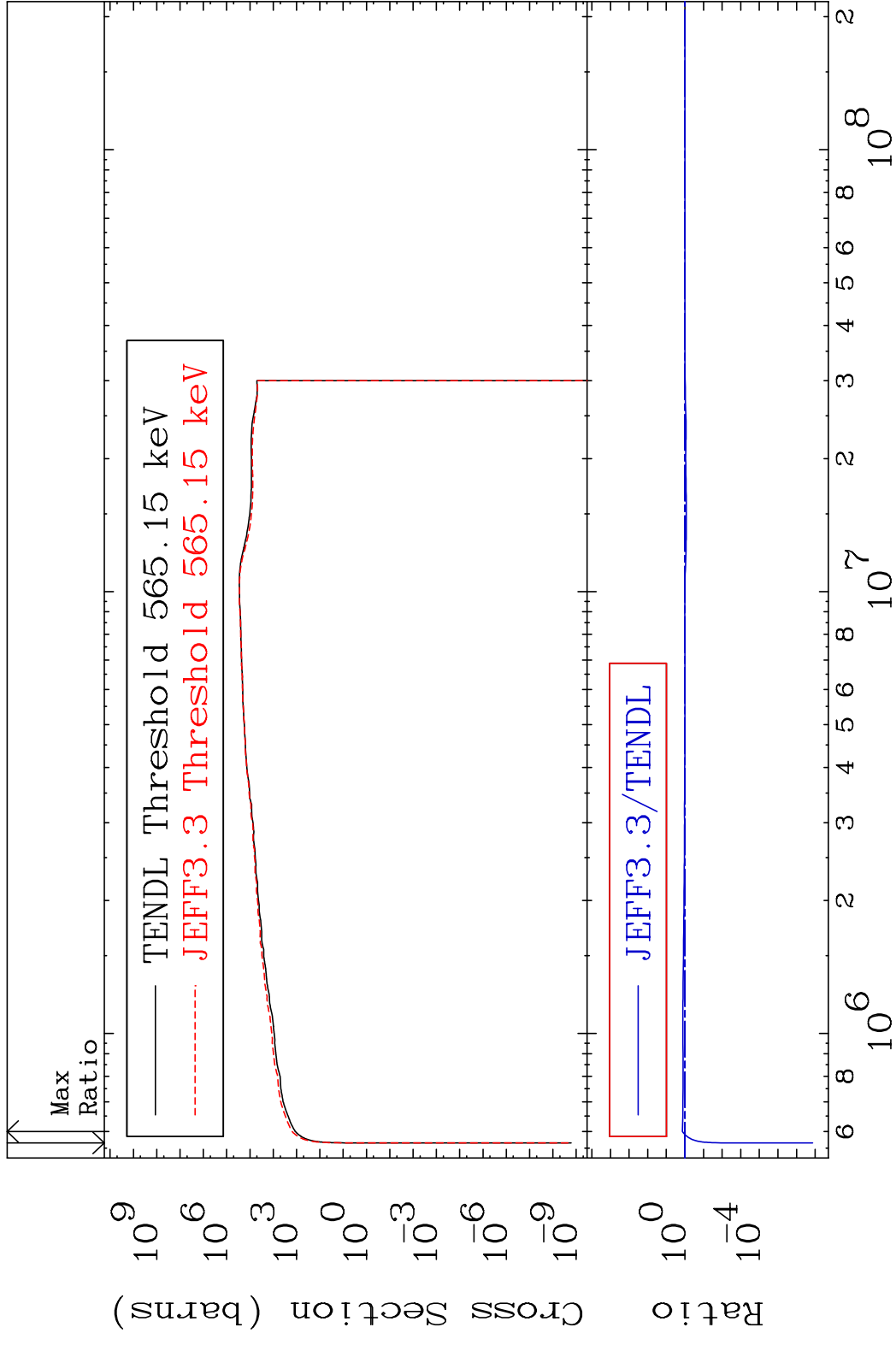
52-Te-120

MAT 5225 Kerma non-elastic (all but mt2) 52-Te-120
 Cross Section -99.76 To 9999. %

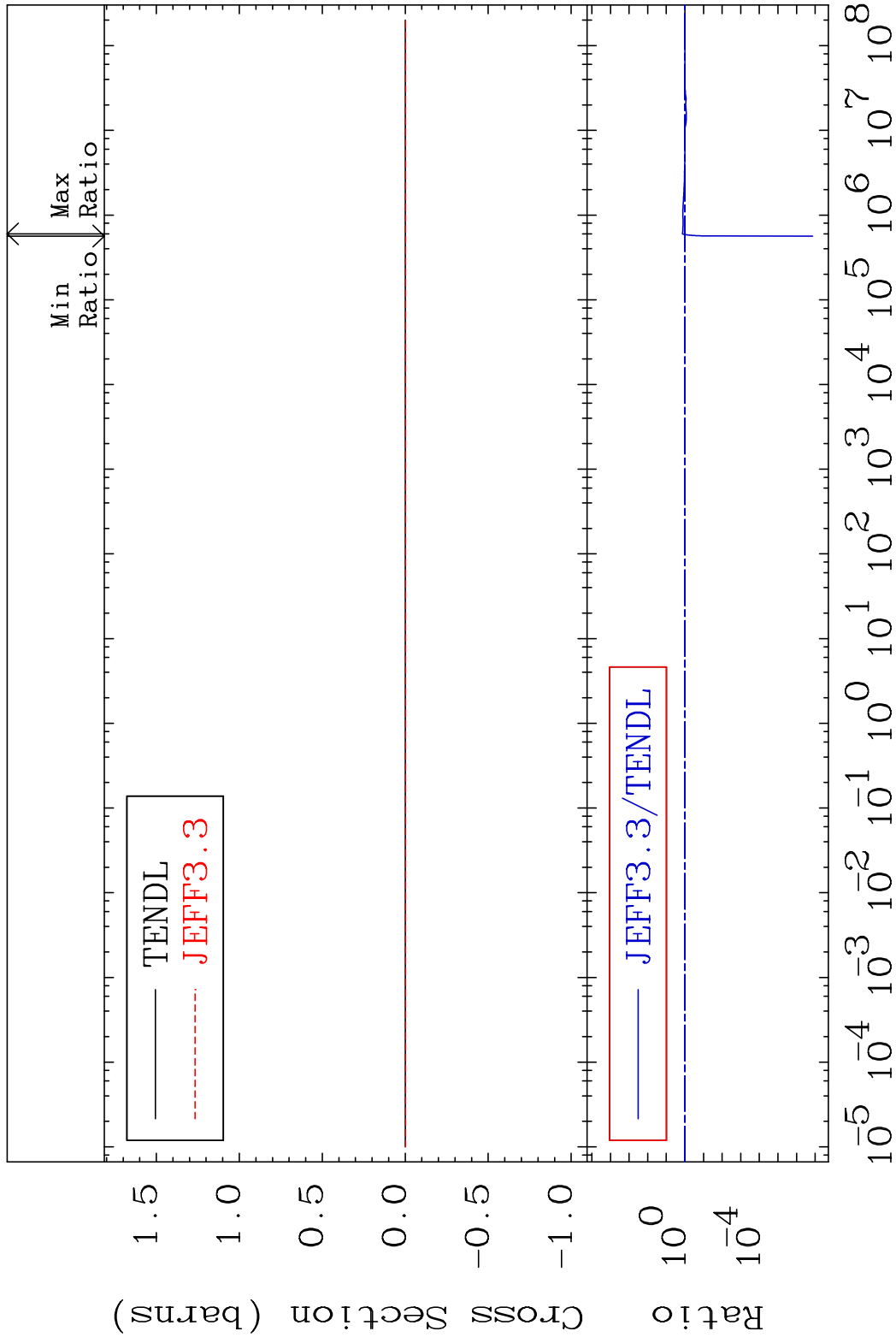


70 Incident Energy (eV) 52-Te-120

MAT 5225 Kerma inelastic (mt51-91) 52-Te-120
 Cross Section -100.0 To 36.98 %

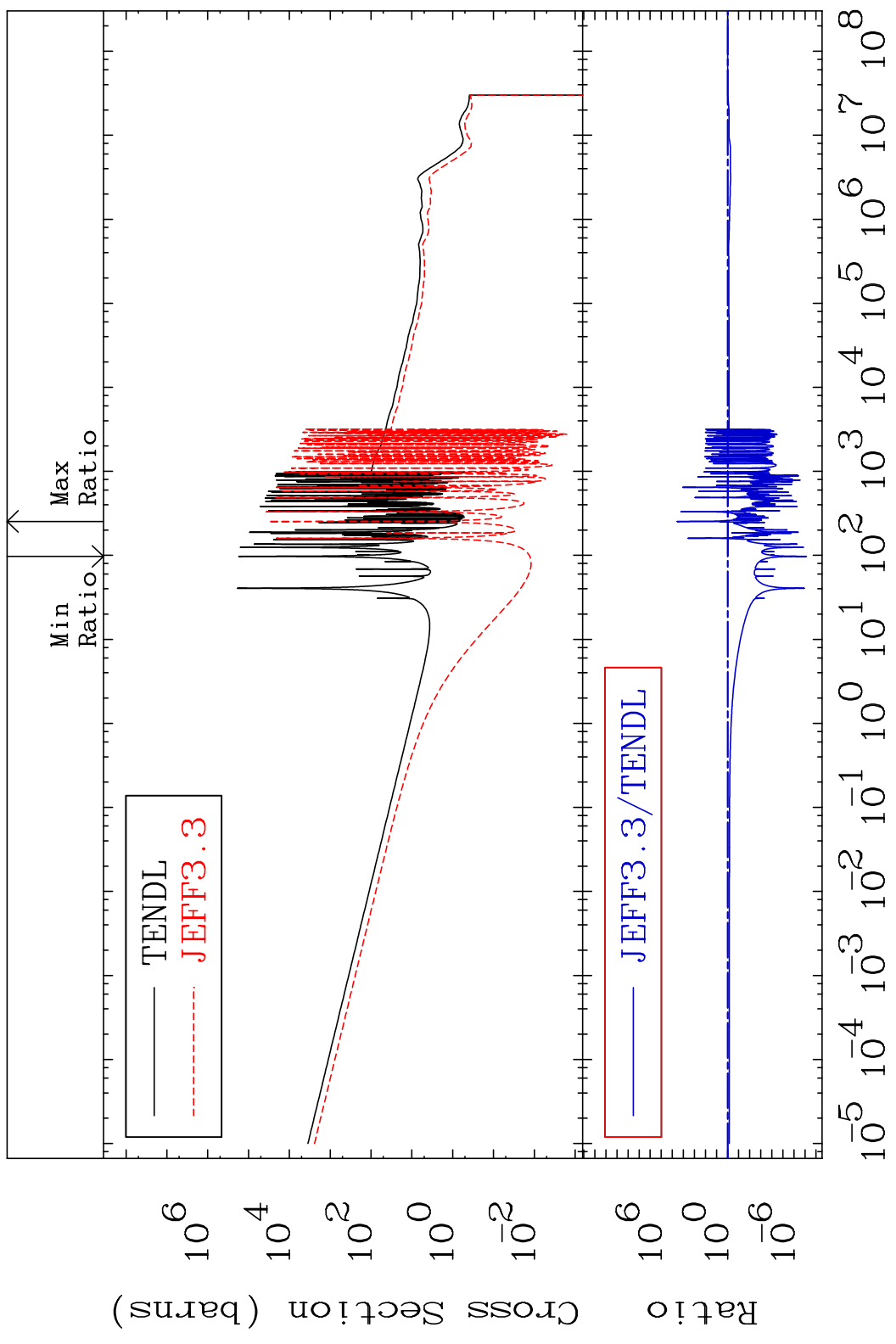


MAT 5225 Kerma fission (mt18 or mt19-20-21-38) 52-Te-120
 Cross Section -100.0 To 36.98 %



MAT 5225

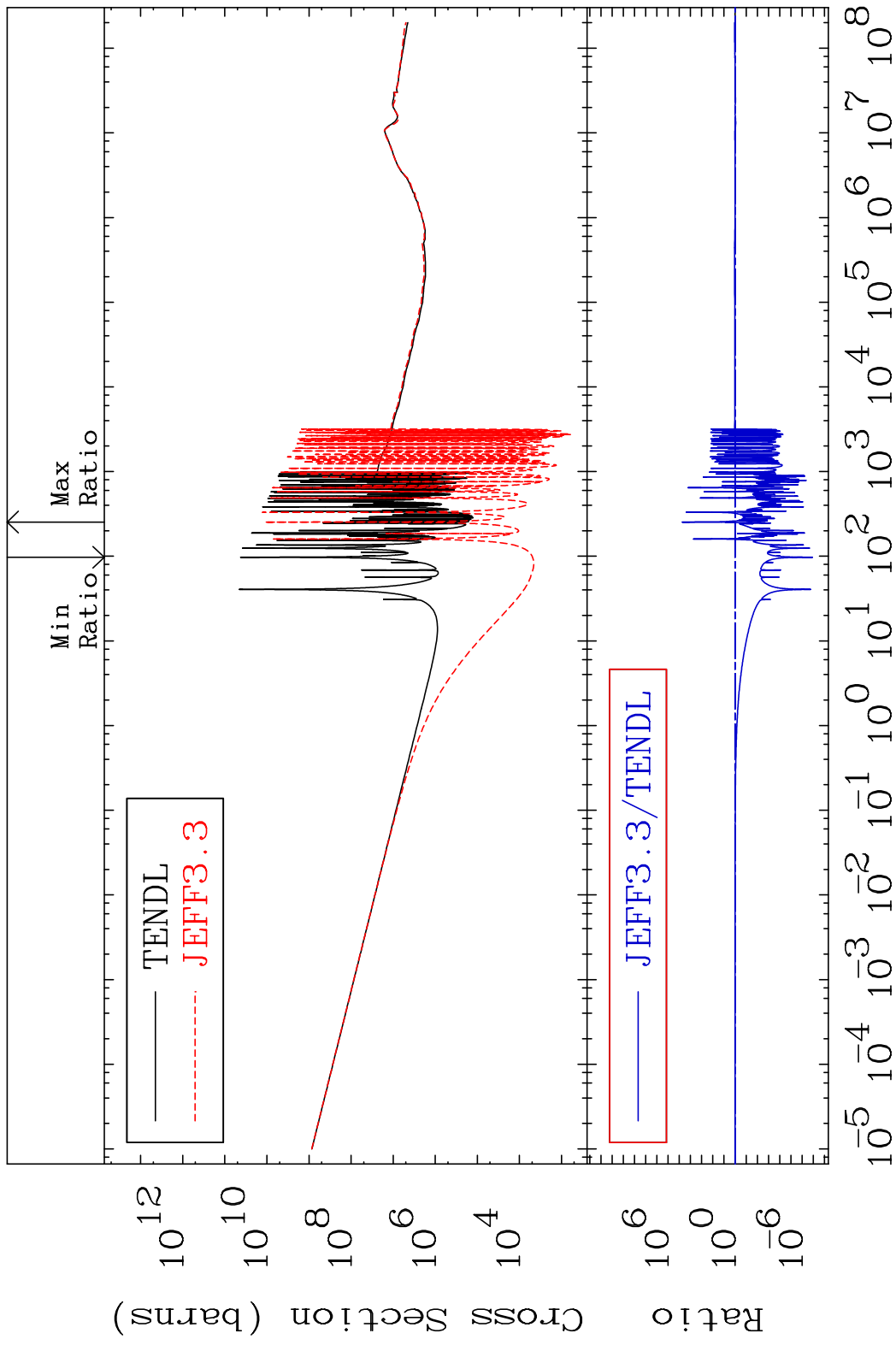
Kerma capture (mt102) 52-Te-120
Cross Section -100.0 To 9999. %



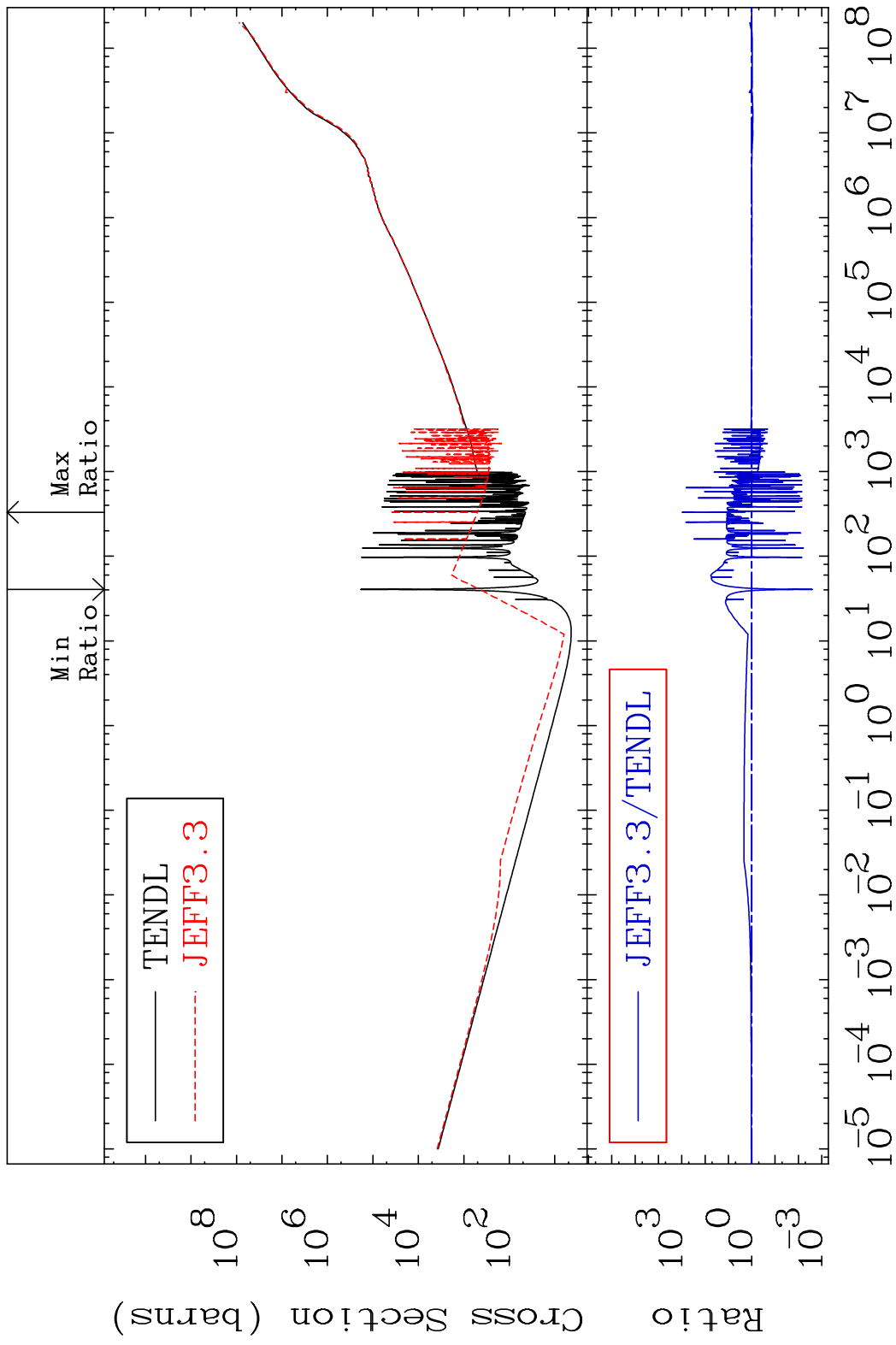
73

Incident Energy (eV) 52-Te-120

MAT 5225 Total photon (eV-barns) 52-Te-120
 Cross Section -100.0 To 9999. %

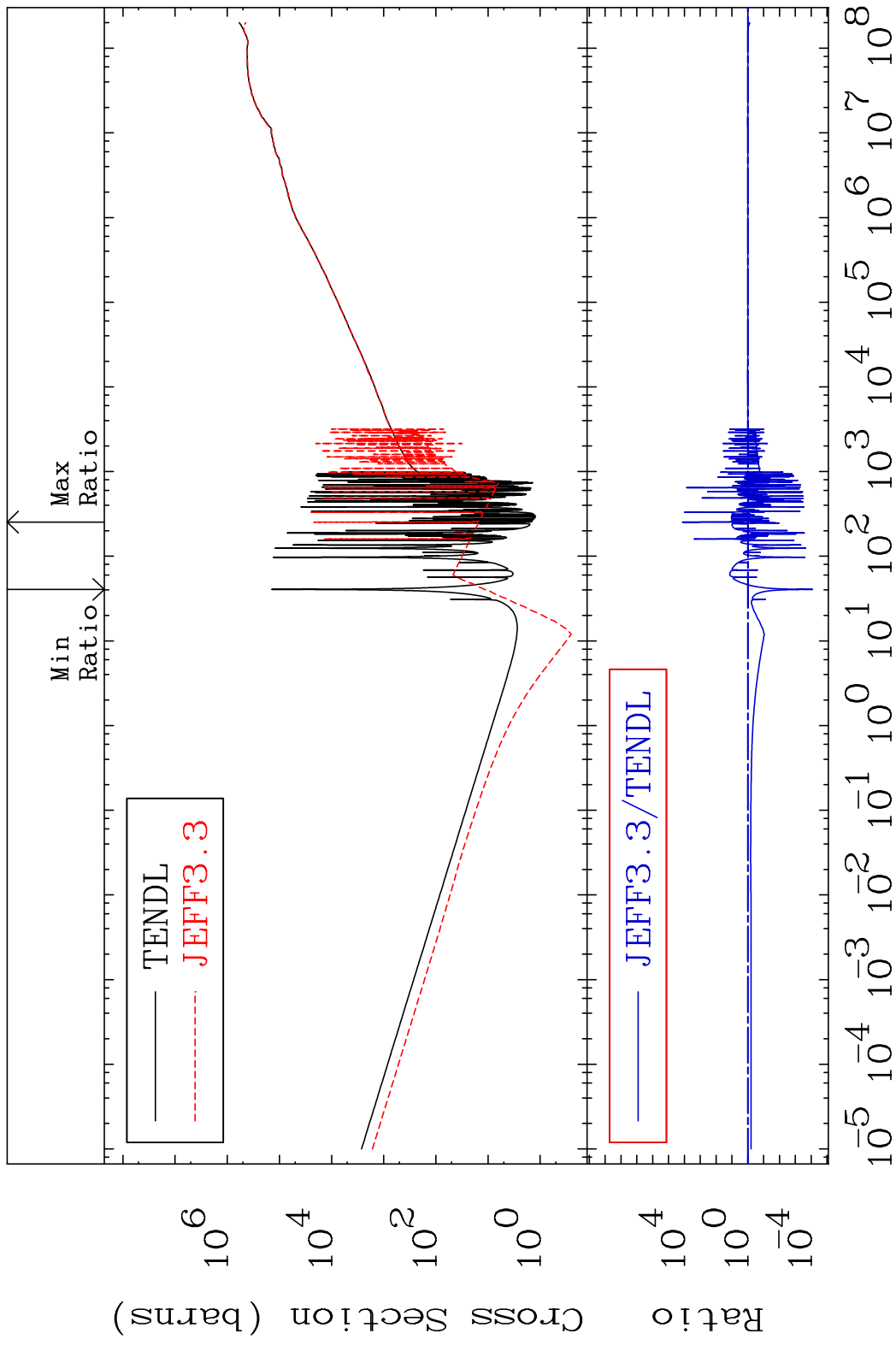


MAT 5225 Total kinematic kerma (high limit) 52-Te-120
Cross Section -99.75 To 9999. %



75 Incident Energy (eV) 52-Te-120

MAT 5225 Dpa total (eV-barns) 52-Te-120
 Cross Section -99.99 To 9999. %



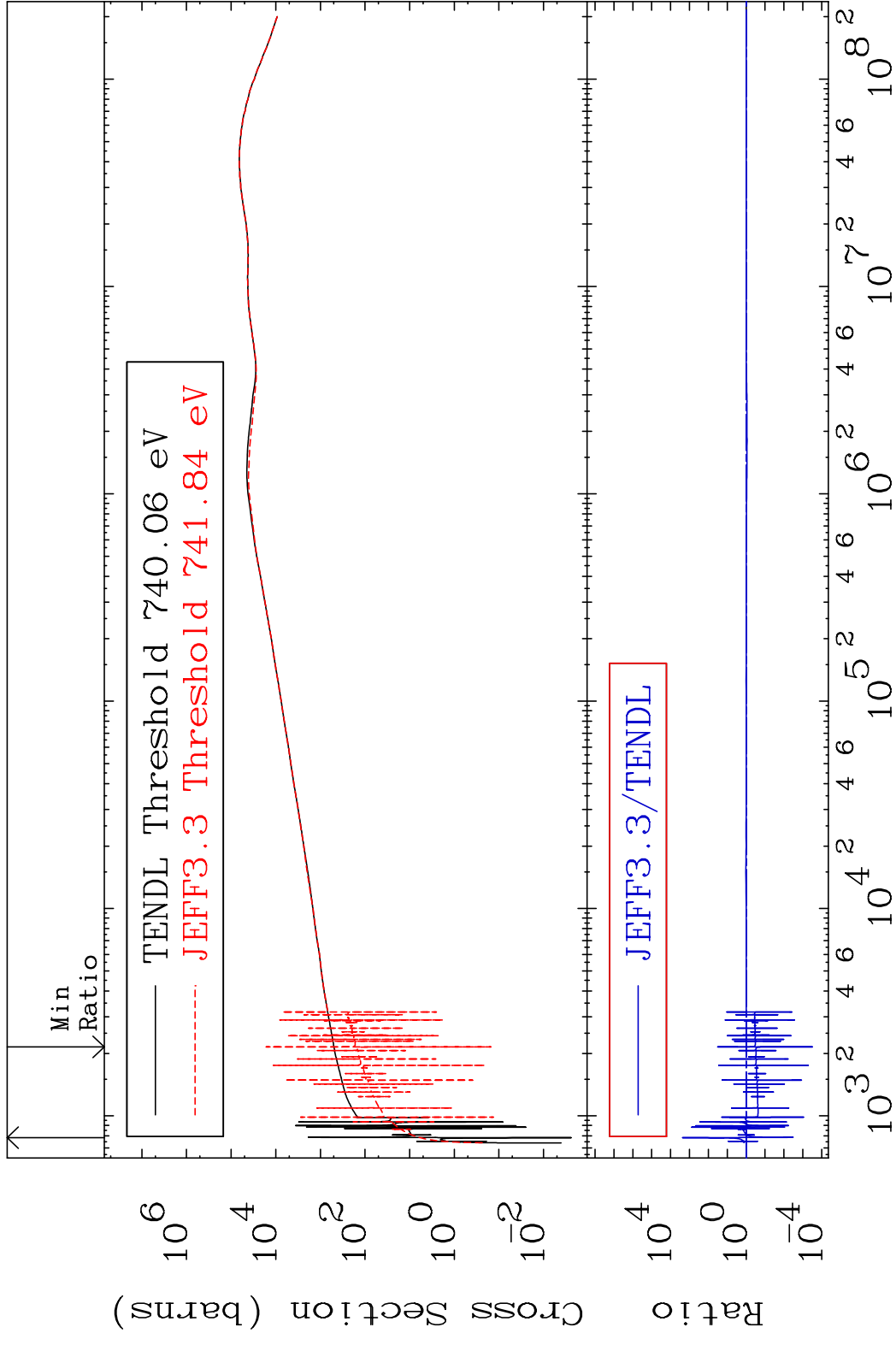
76 Incident Energy (eV) 52-Te-120

MAT 5225

Dpa elastic (mt2)

52-Te-120

Cross Section -99.97 To 9999. %

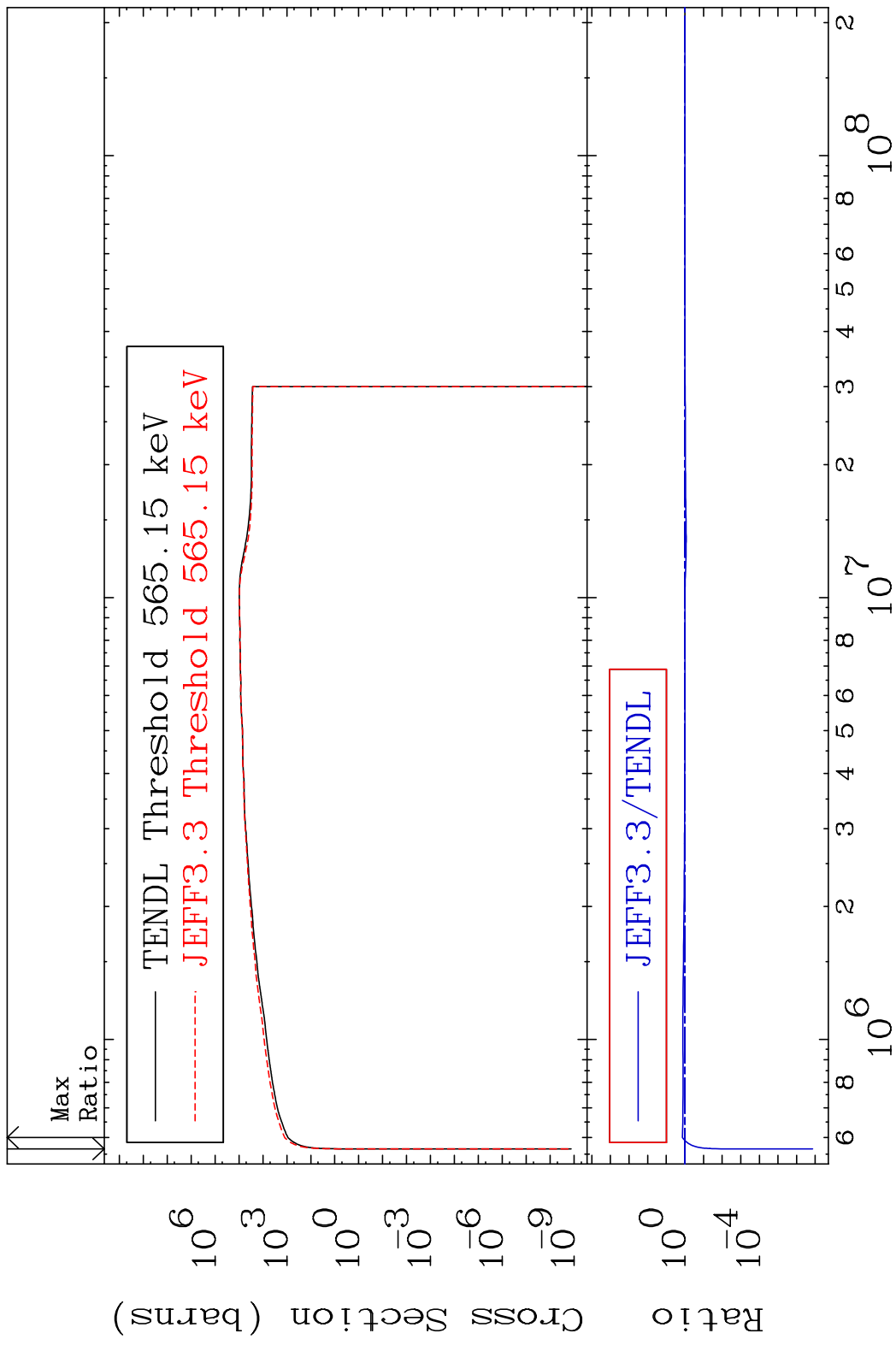


77

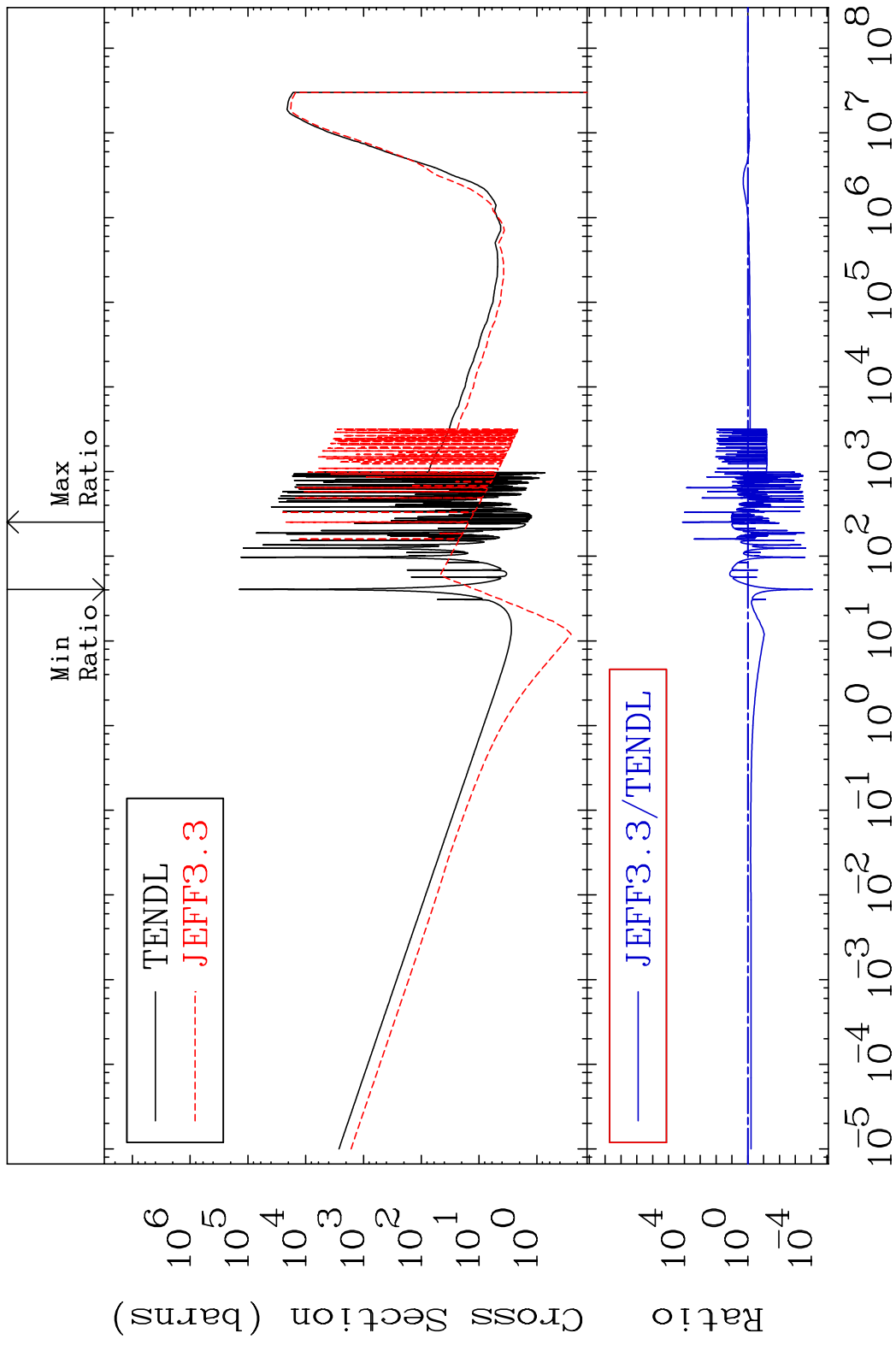
Incident Energy (eV)

52-Te-120

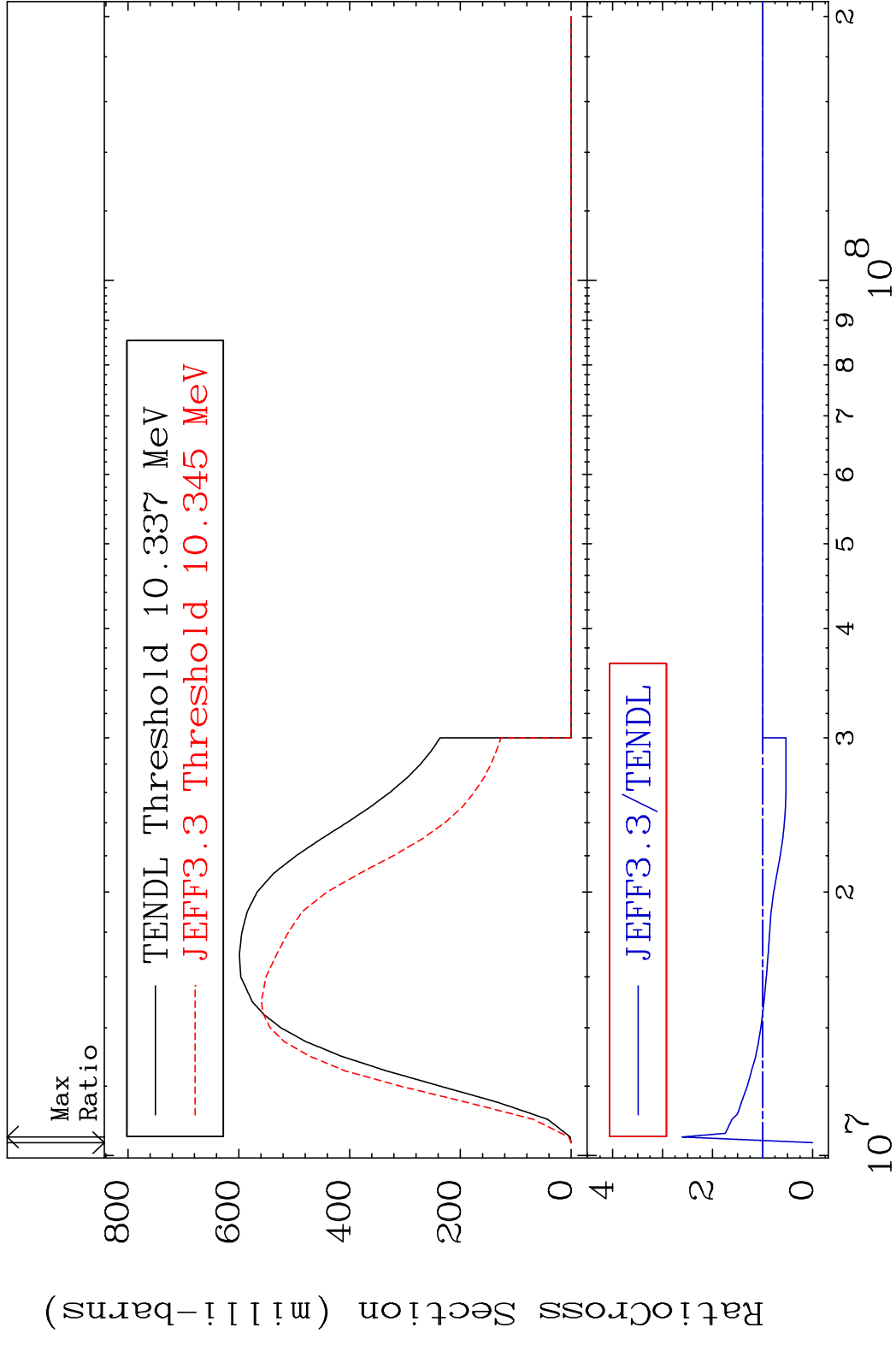
MAT 5225 Dpa inelastic (mt51-91) 52-Te-120
 Cross Section -100.0 To 36.99 %



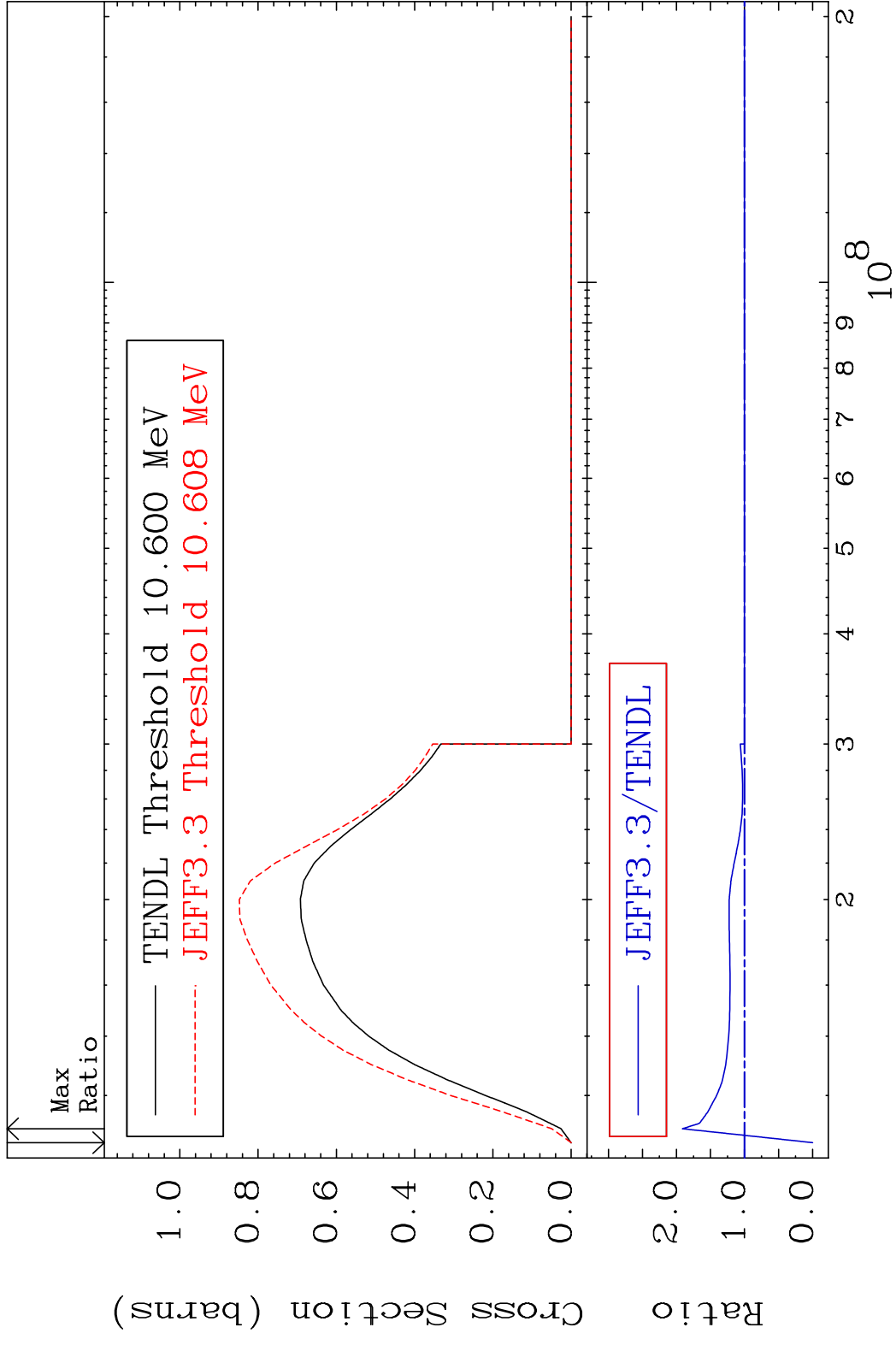
MAT 5225 Dpa disappearance (mt102 -120) 52-Te-120
 Cross Section -99.99 To 9999. %



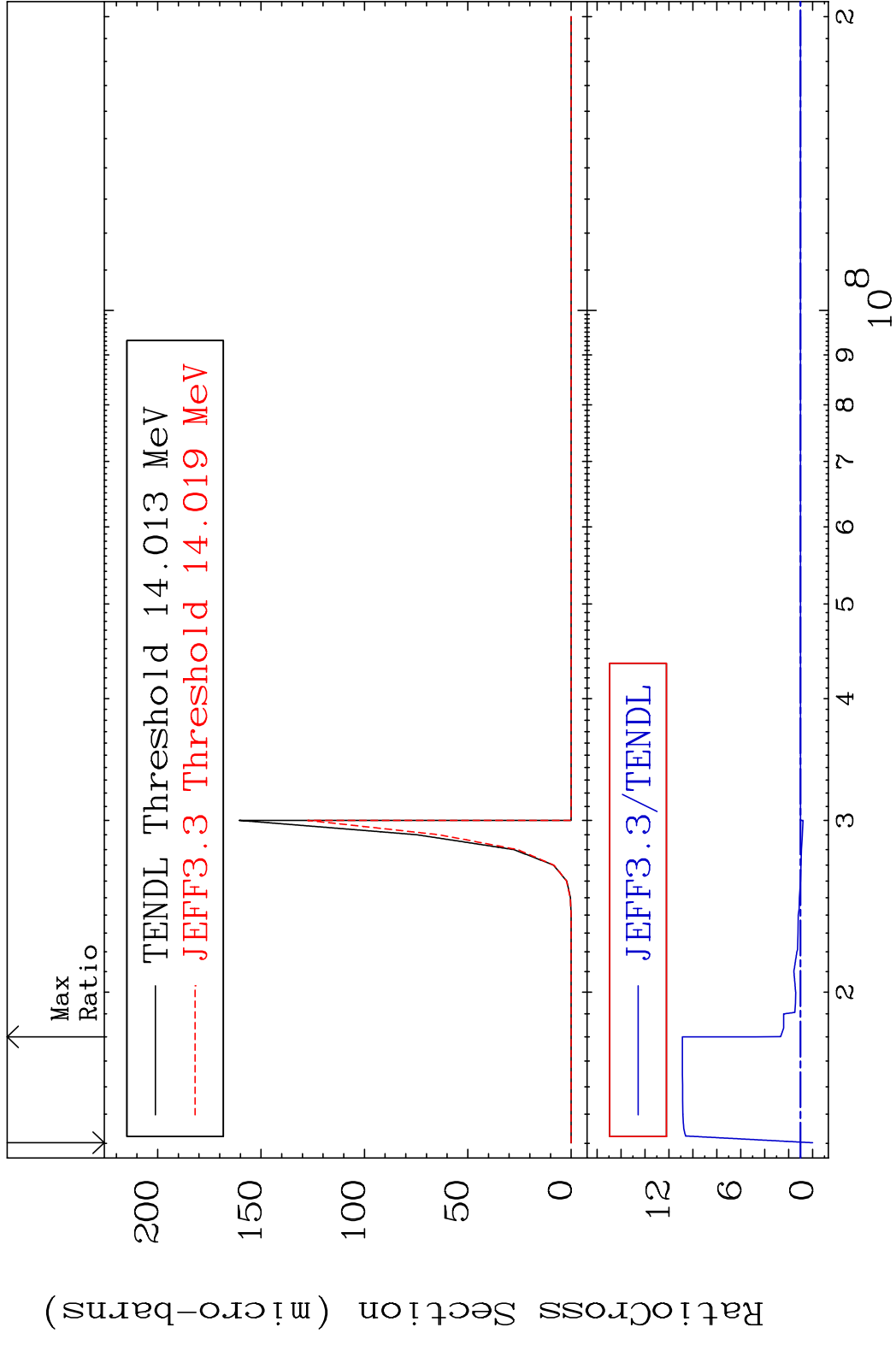
MAT 5225 (n,2n):52-Te-119g 52-Te-120
 Radionuclide Production Cross Section 180.0 mb 160.4 %



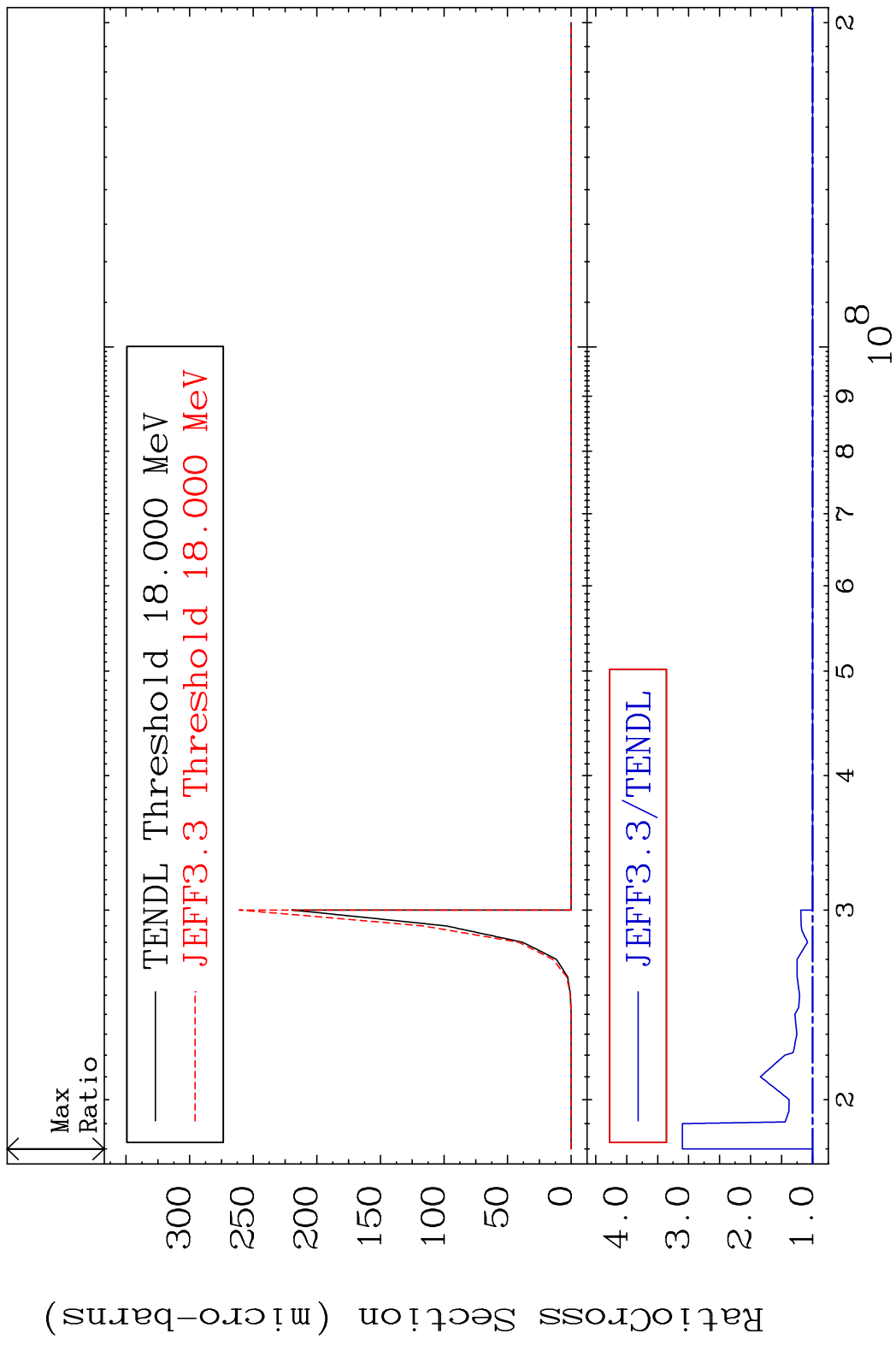
MAT 5225 (n,2n):52-Te-119m2 52-Te-120
 Radionuclide Production Cross Section Ratio 91.33 %



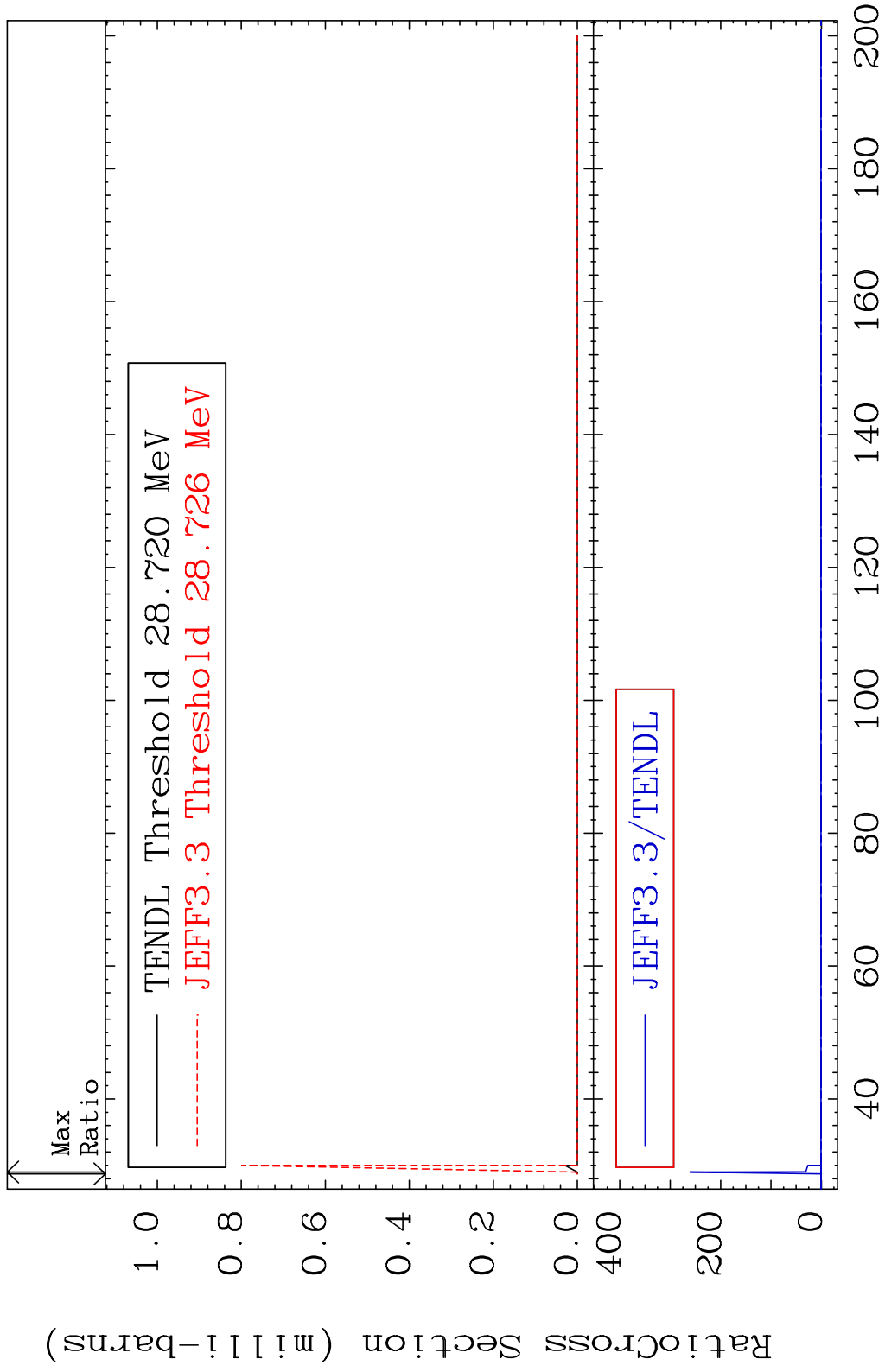
MAT 5225 (n, n') He-3:50-Sn-117g 52-Te-120
 Radionuclide Production Cross Section Ratio 987.6 %



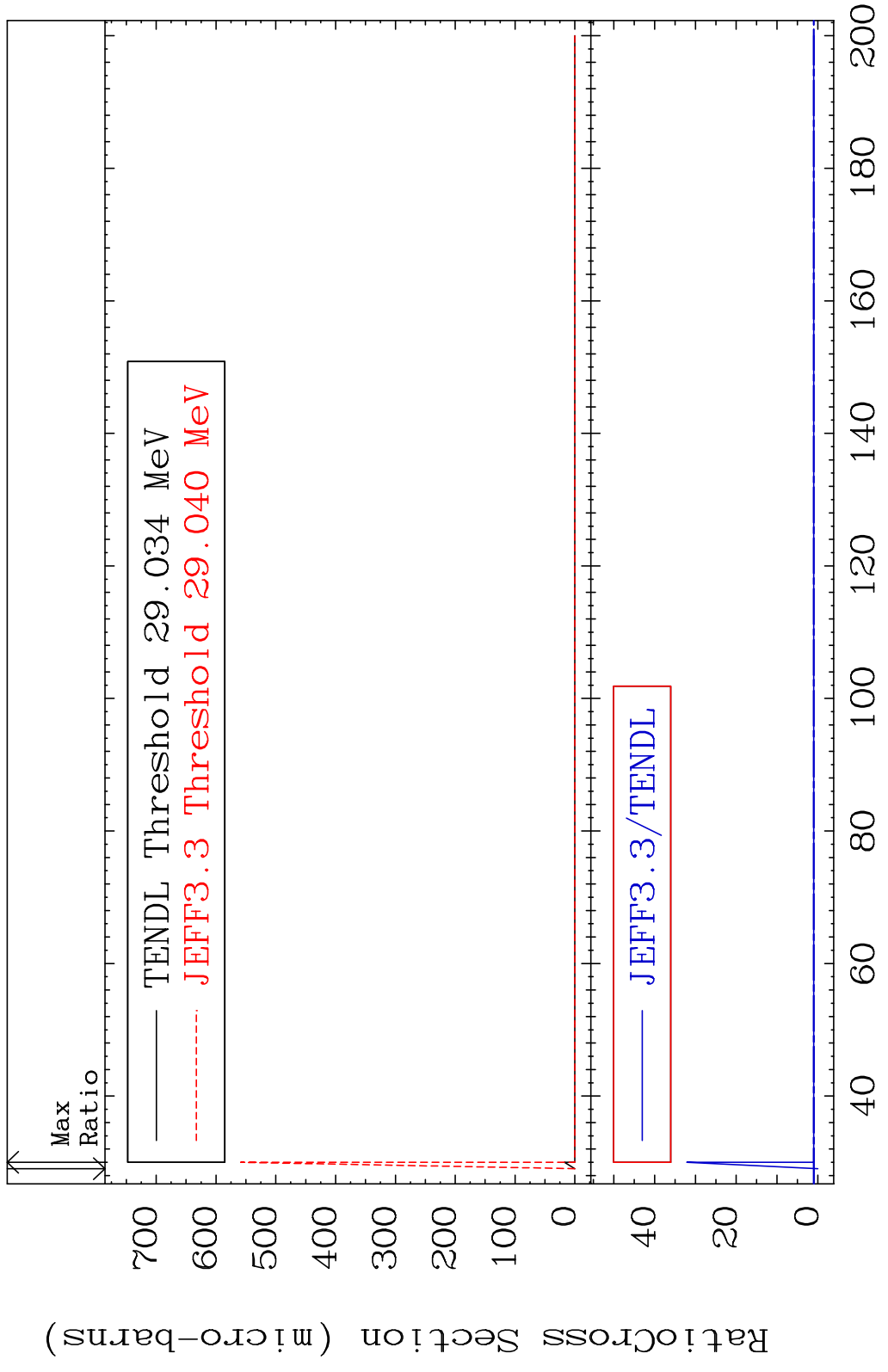
MAT 5225 (n, n') He-3:50-Sn-117m2 52-Te-120
 Radionuclide Production Cross Section 210.1 %

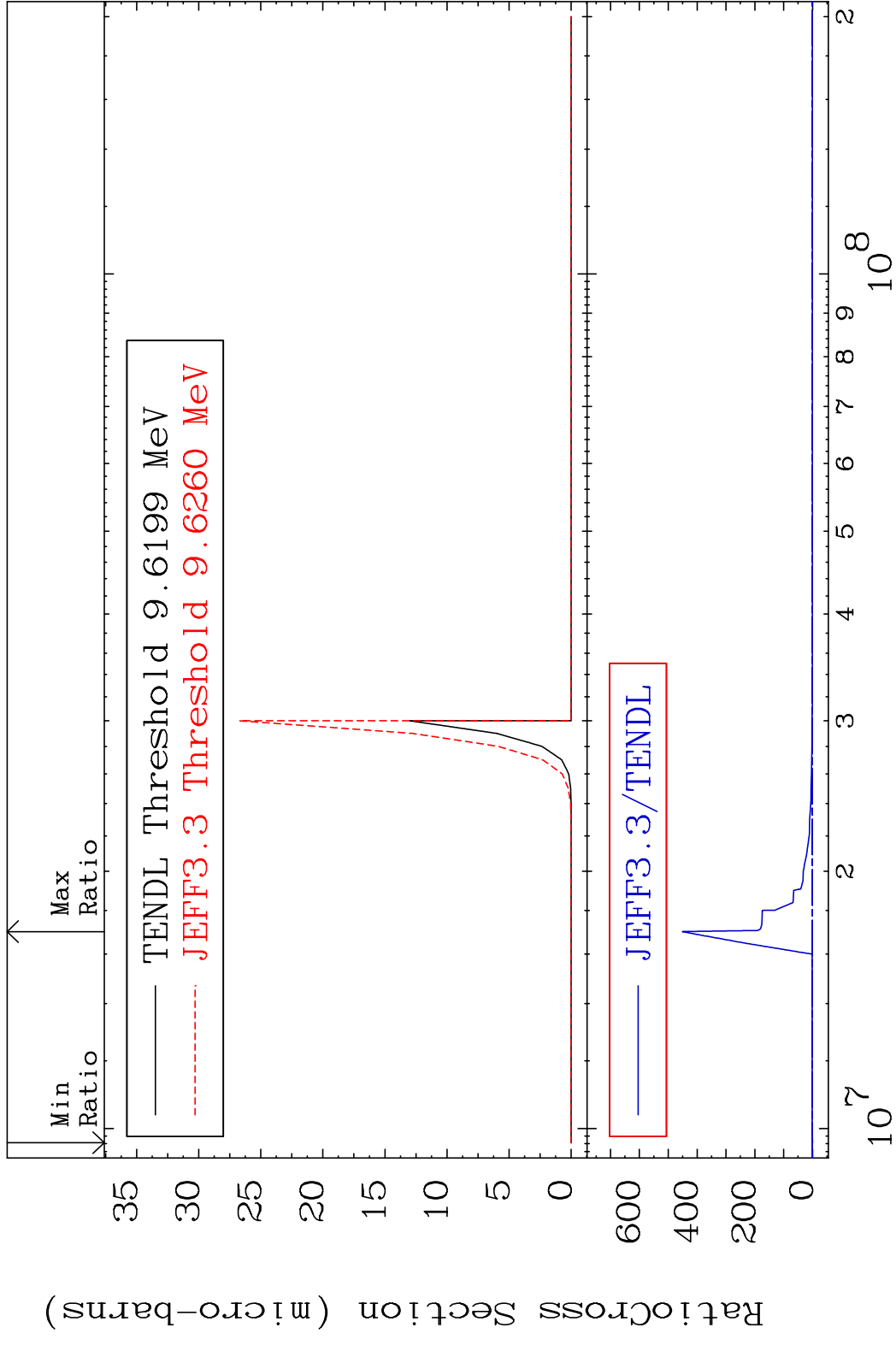


MAT 5225 (n,4n):52-Te-117g 52-Te-120
 Radionuclide Production Cross Section Ratio 9999. %

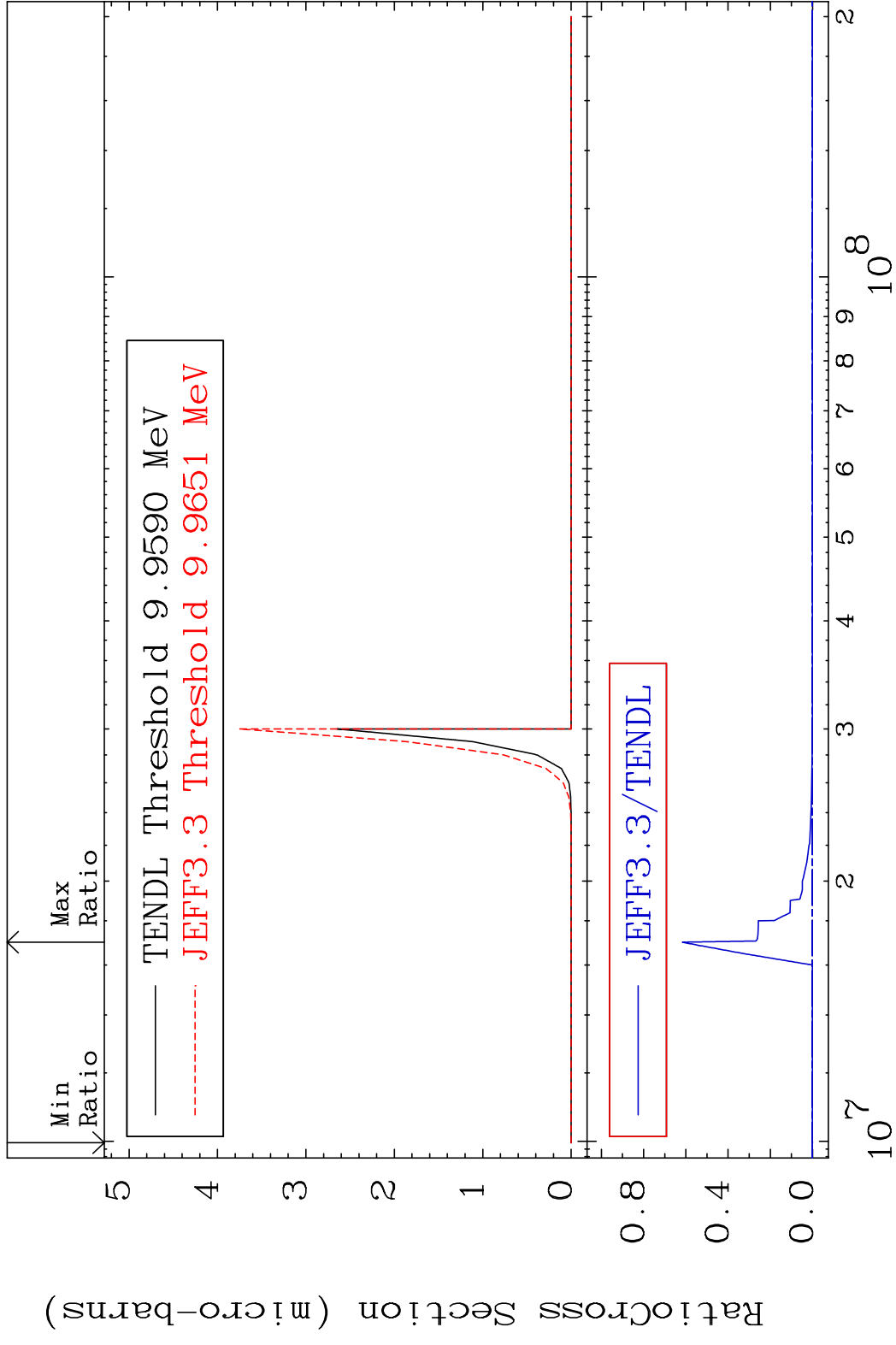


MAT 5225 (n, 4n):52-Te-117m3 52-Te-120
 Radionuclide Production Cross Section 180.01 dth 3113. %

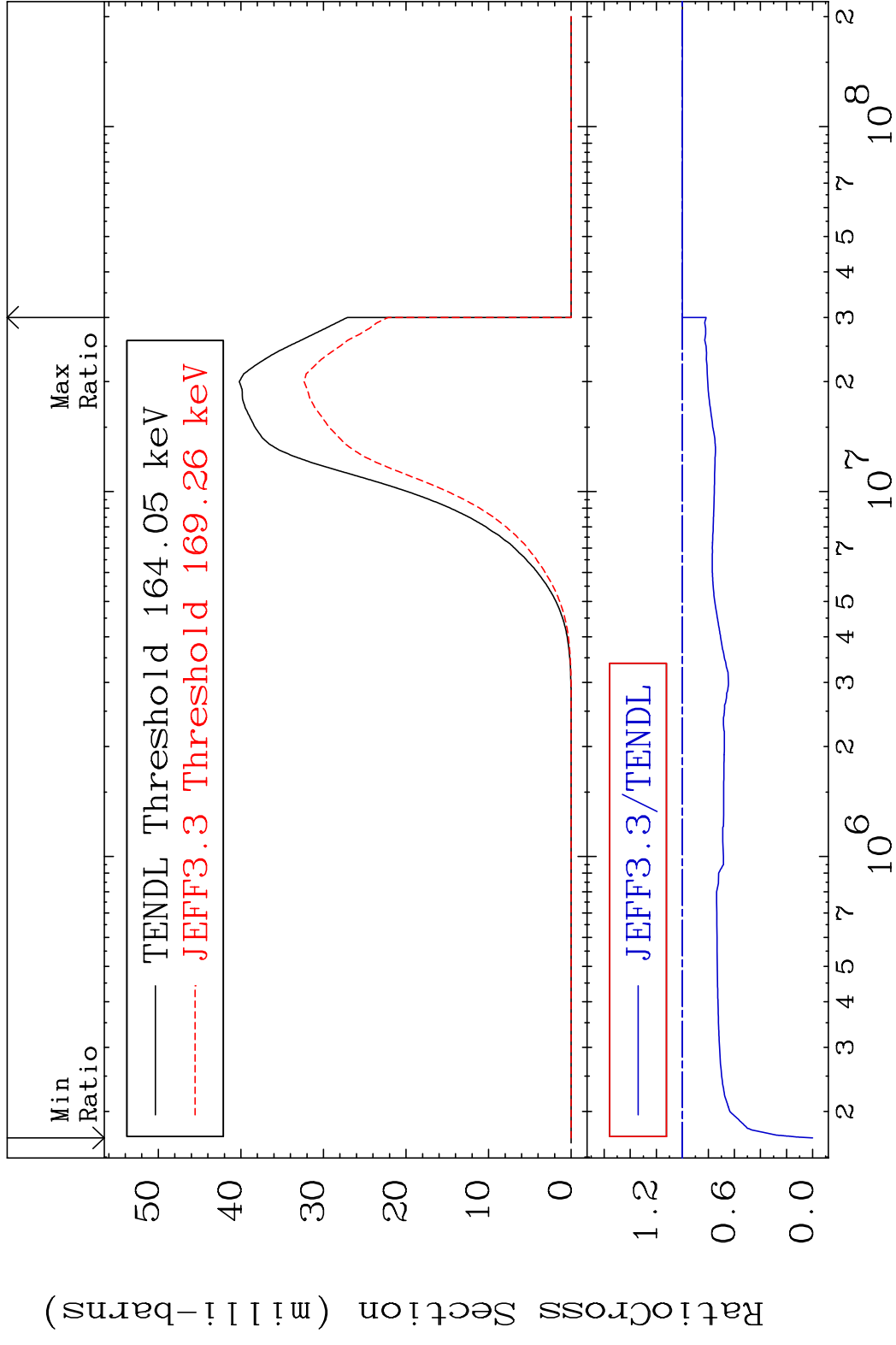




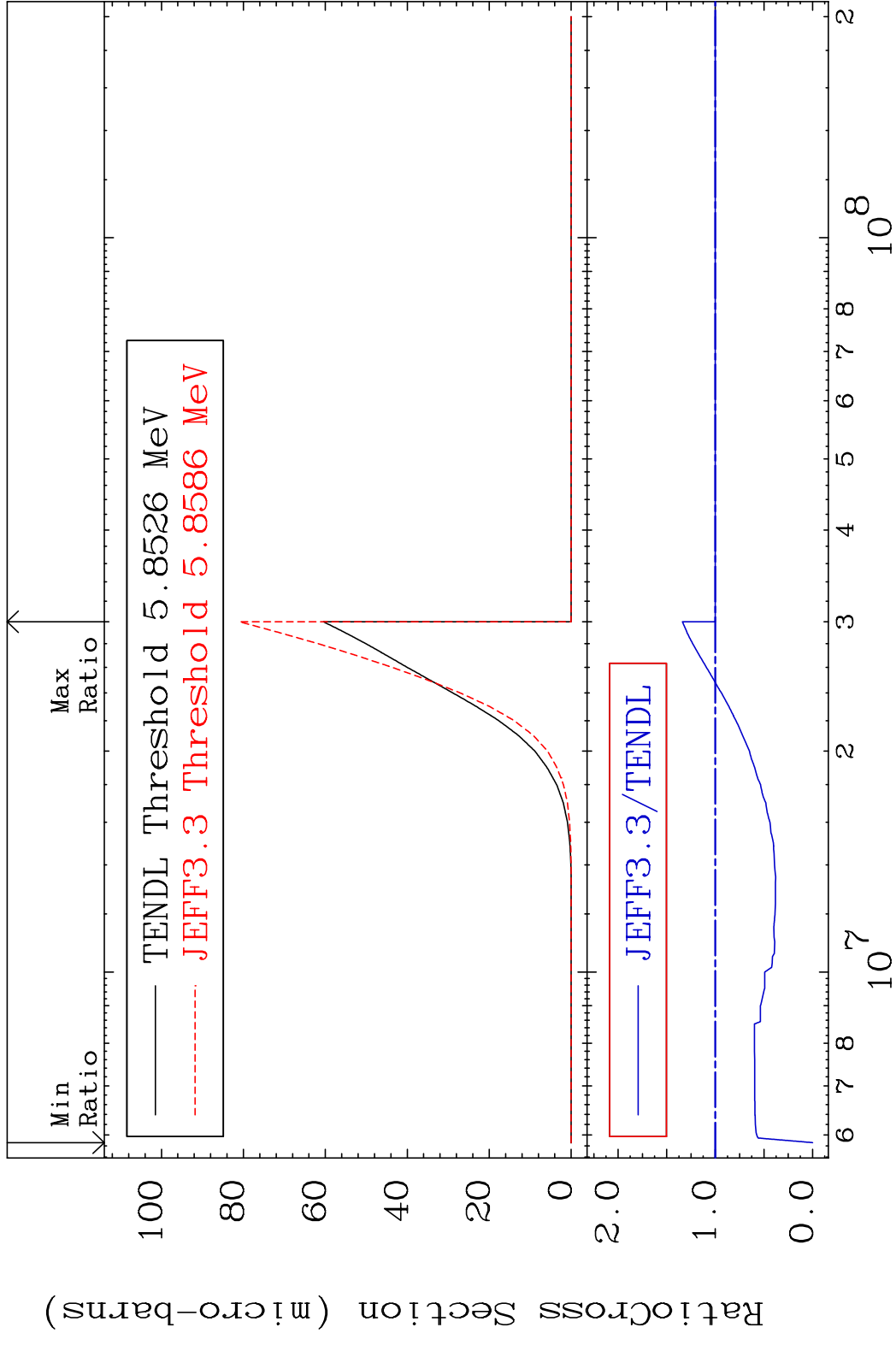
MAT 5225 (n, n') p α :49-In-115m1 52-Te-120
 Radionuclide Production Cross Section 100.00 dtd 9999. %



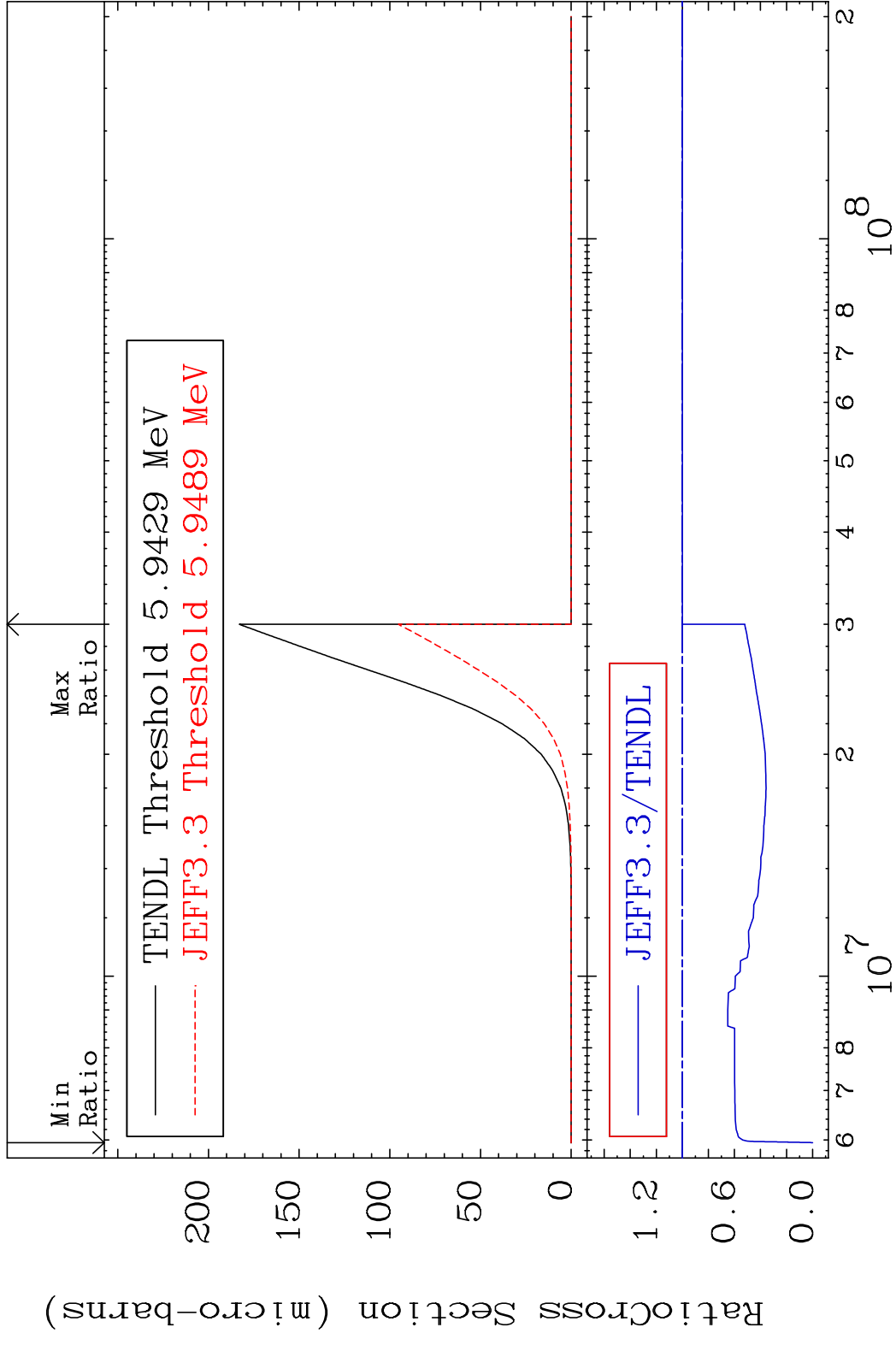
MAT 5225 (n,p):51-Sb-120g 52-Te-120
 Radionuclide Production Cross Section 0.000 %



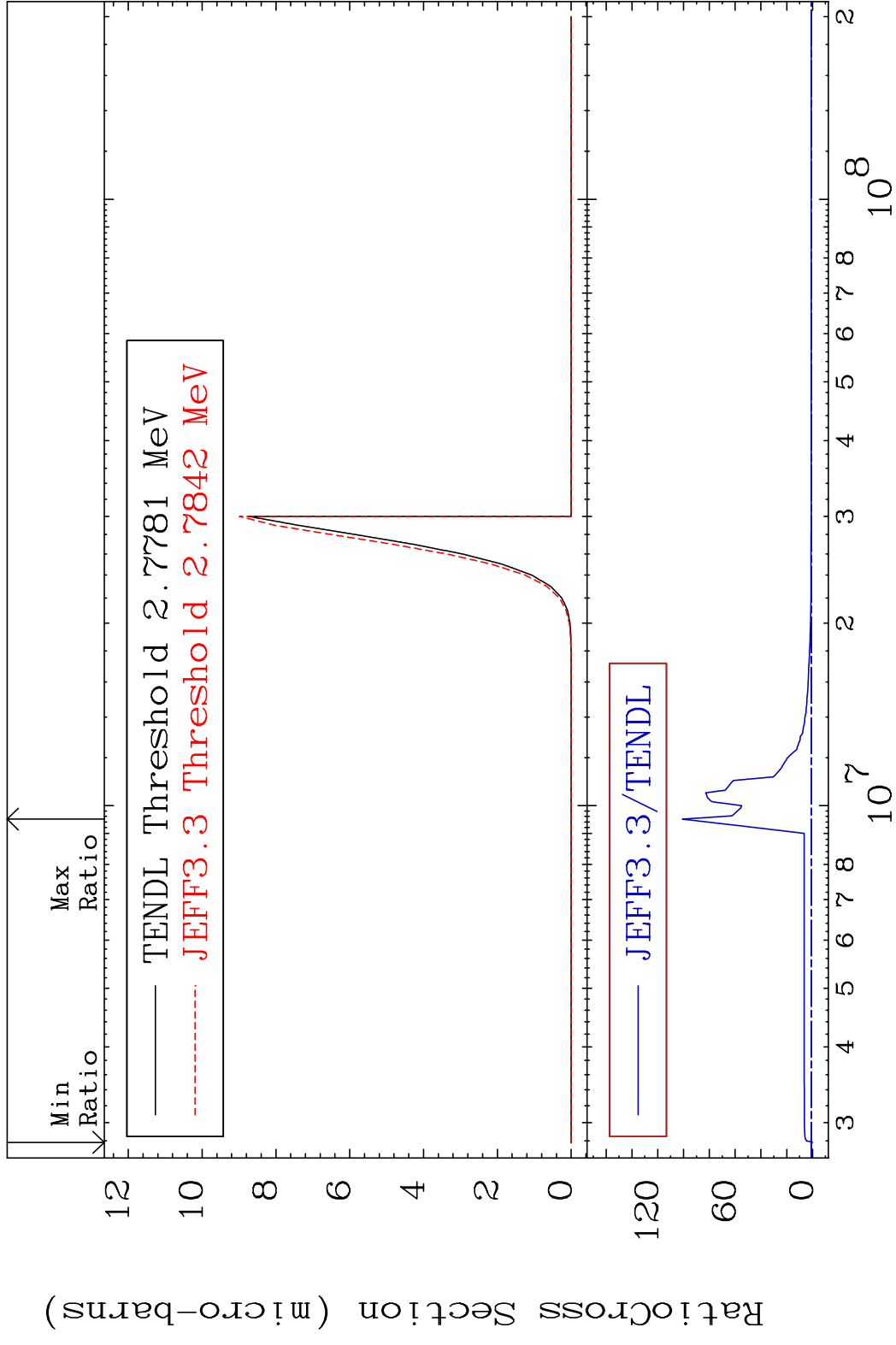
MAT 5225 (n,2p):50-Sn-119g 52-Te-120
 Radionuclide Production Cross Section 1800 dth 33.92 %



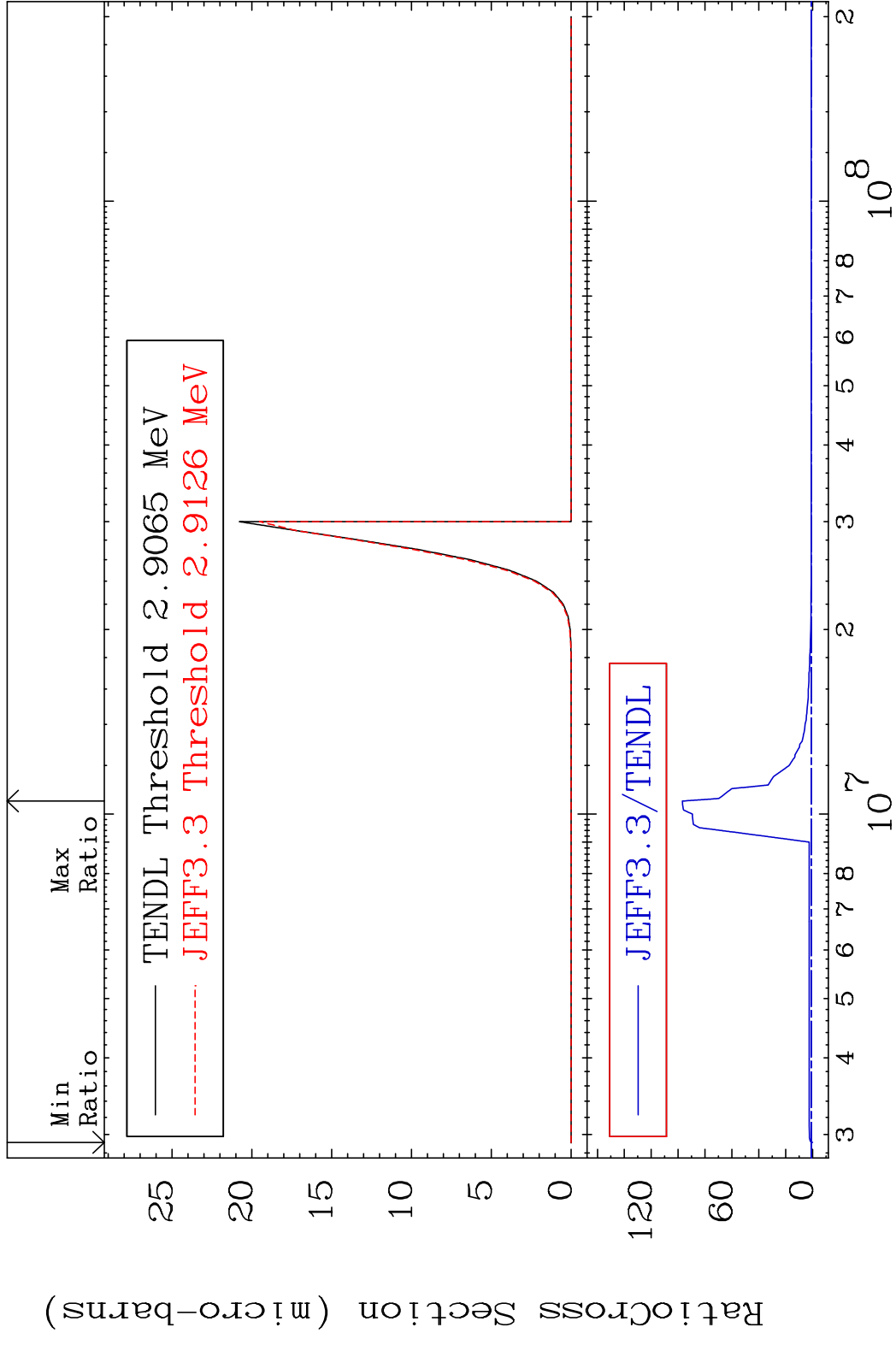
MAT 5225 (n, 2p):50-Sn-119m2 52-Te-120
 Radionuclide Production Cross Section 180.000 %



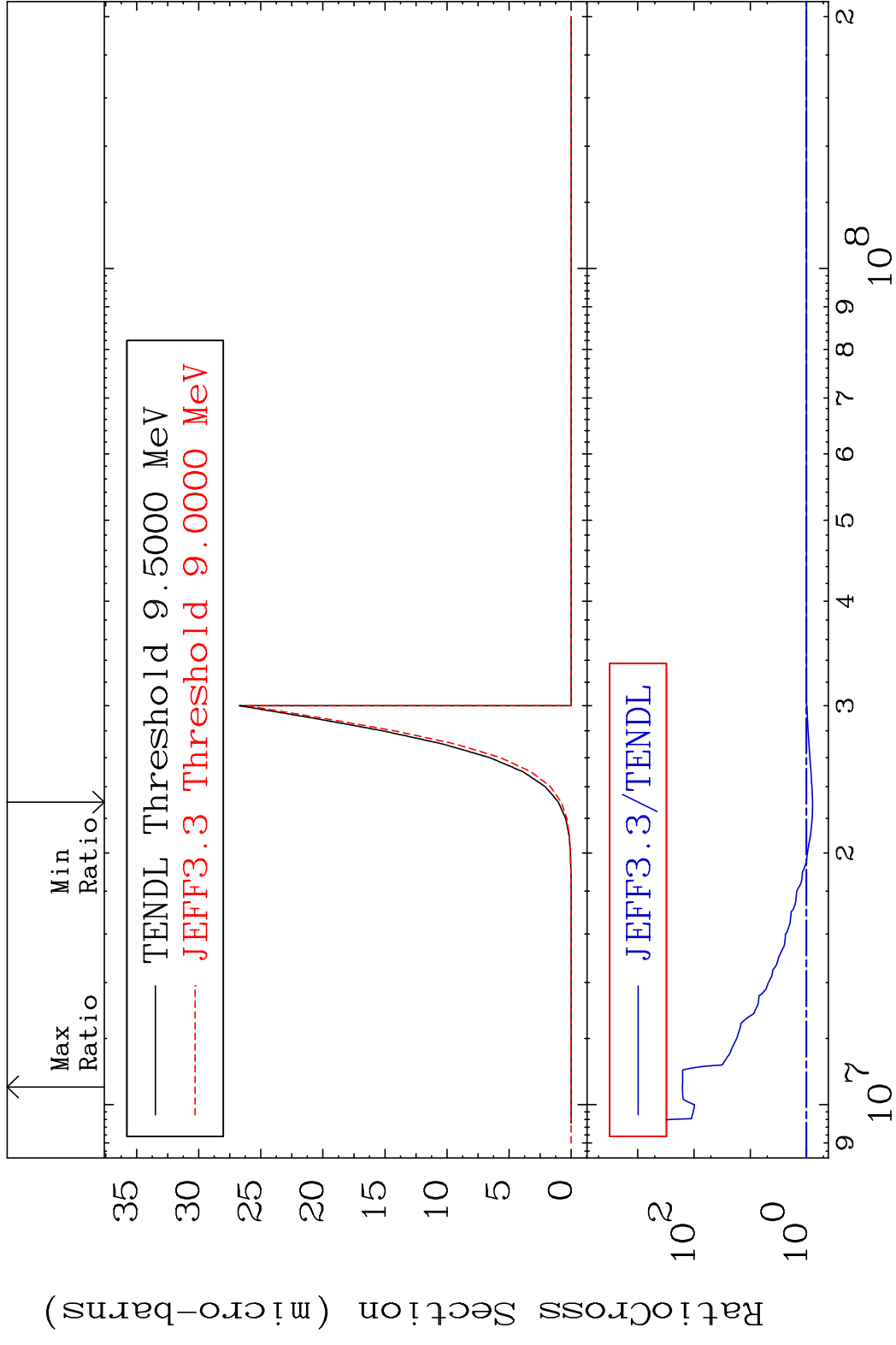
90 Incident Energy (eV) 52-Te-120



MAT 5225 (n, p) α : 49-In-116m1 52-Te-120
 Radionuclide Production Cross Section Ratio 9584. %

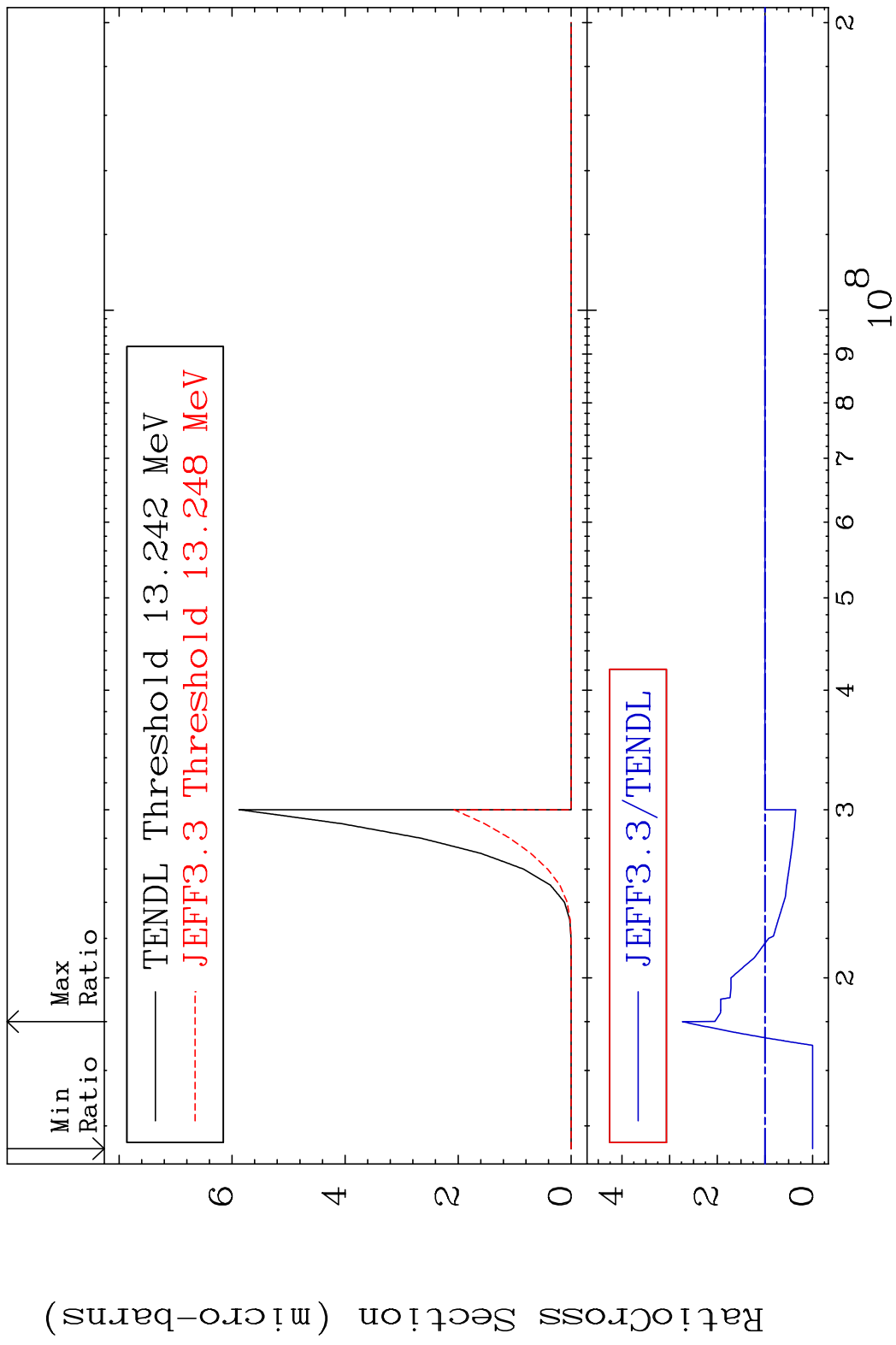


MAT 5225 (n, p) α : 49-In-116m4 52-Te-120
 Radionuclide Production Cross Section Ratio 9999. %

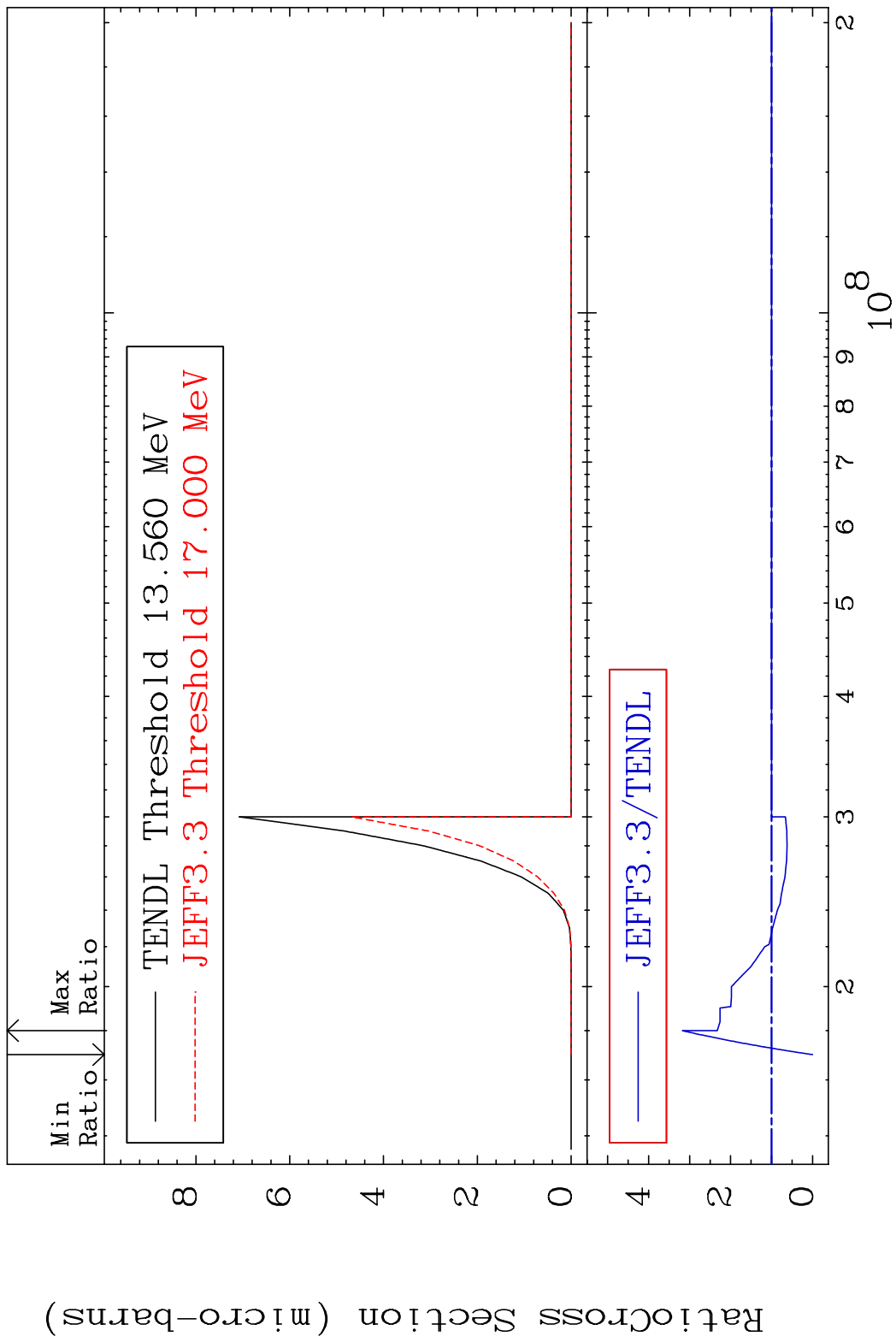


93 Incident Energy (eV) 52-Te-120

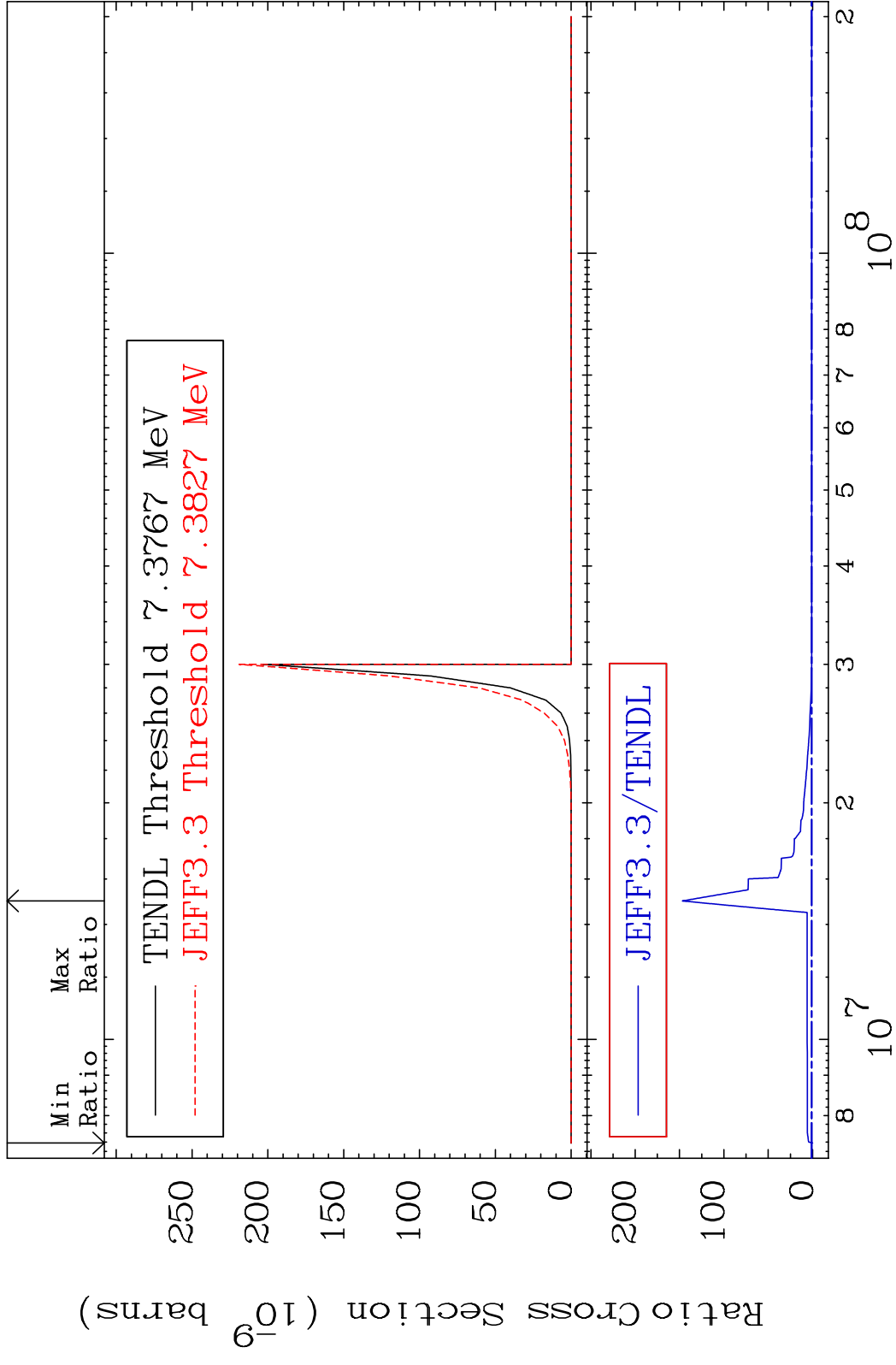
MAT 5225 (n,p) t:50-Sn-117g 52-Te-120
 Radionuclide Production Cross Section 180.0 dth 173.3 %



MAT 5225 (n, p) t:50-Sn-117m2 52-Te-120
 Radionuclide Production Cross Section 180.0 dth 217.8 %



MAT 5225 (n, d) α :49-In-115g 52-Te-120
 Radionuclide Production Cross Section 1800 d to 9999. %



MAT 5225 (n,d) α :49-In-115m1 52-Te-120
 Radionuclide Production Cross Section 7796. %

