

Program Complot
(Version 2021-1)

by

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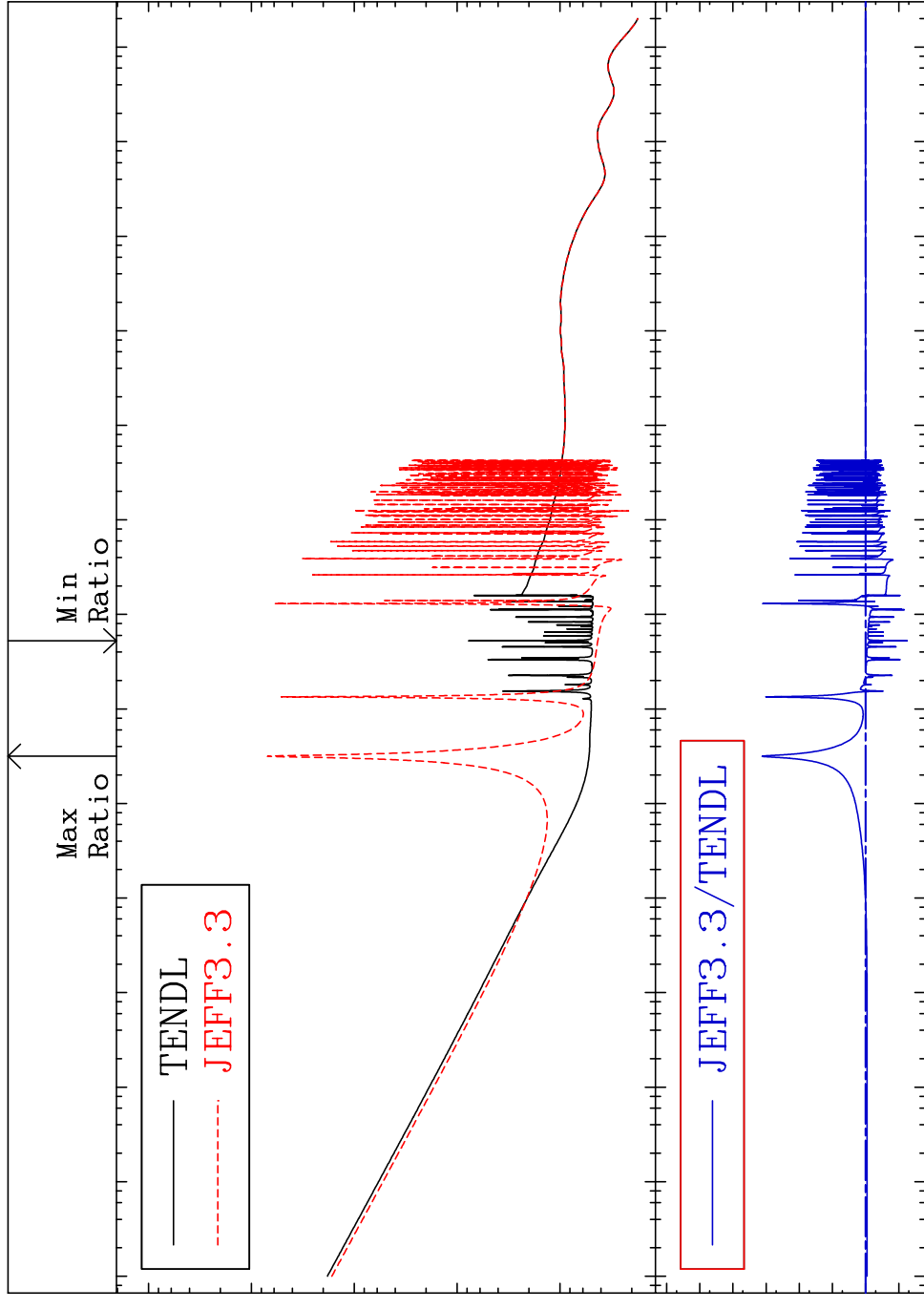
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4522

Total Cross Section -94.44 To 9999. %

45-Rh-102



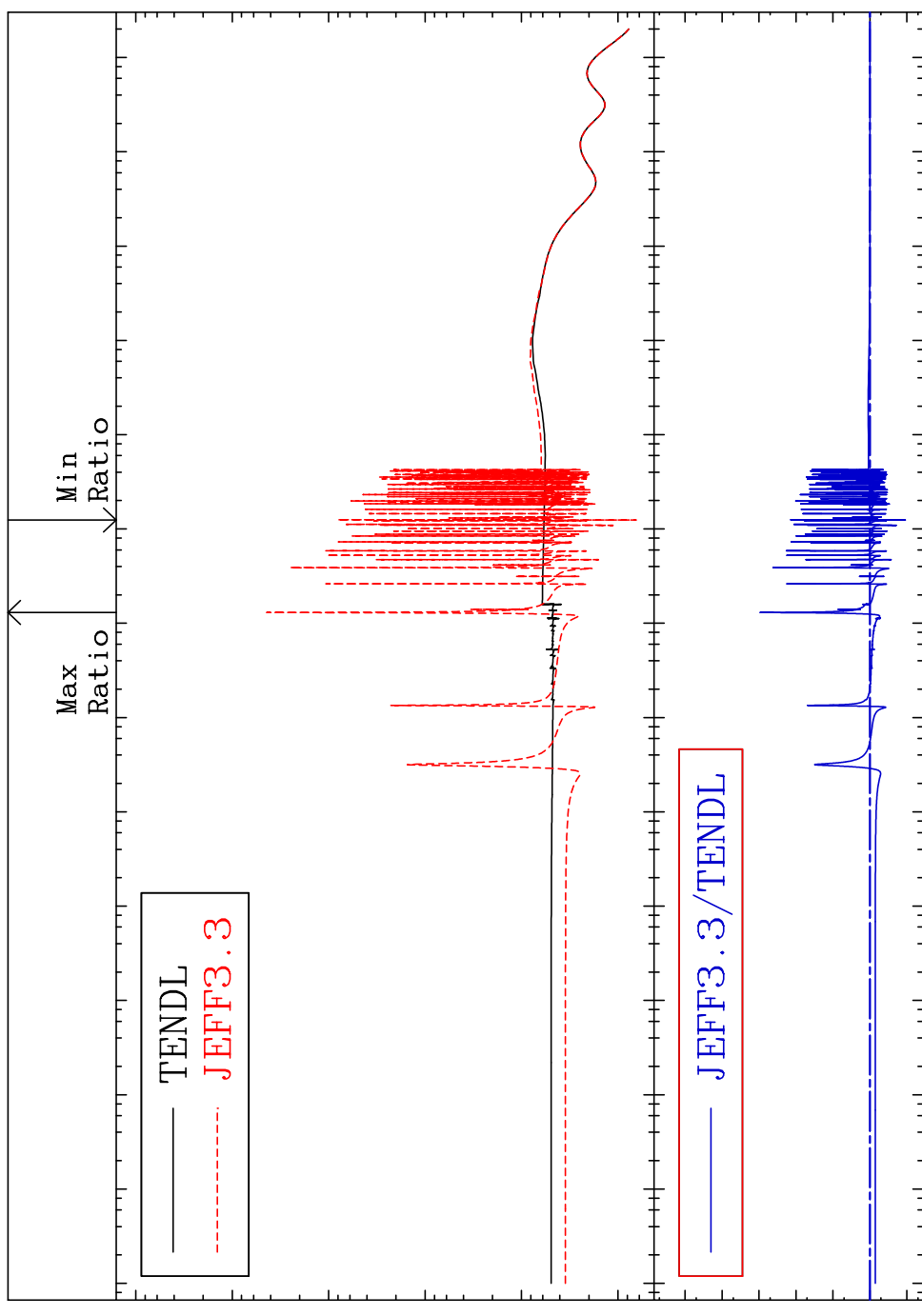
Cross Section (barns)

Incident Energy (eV) 45-Rh-102

MAT 4522

Elastic Cross Section -88.96 To 9999. %

45-Rh-102



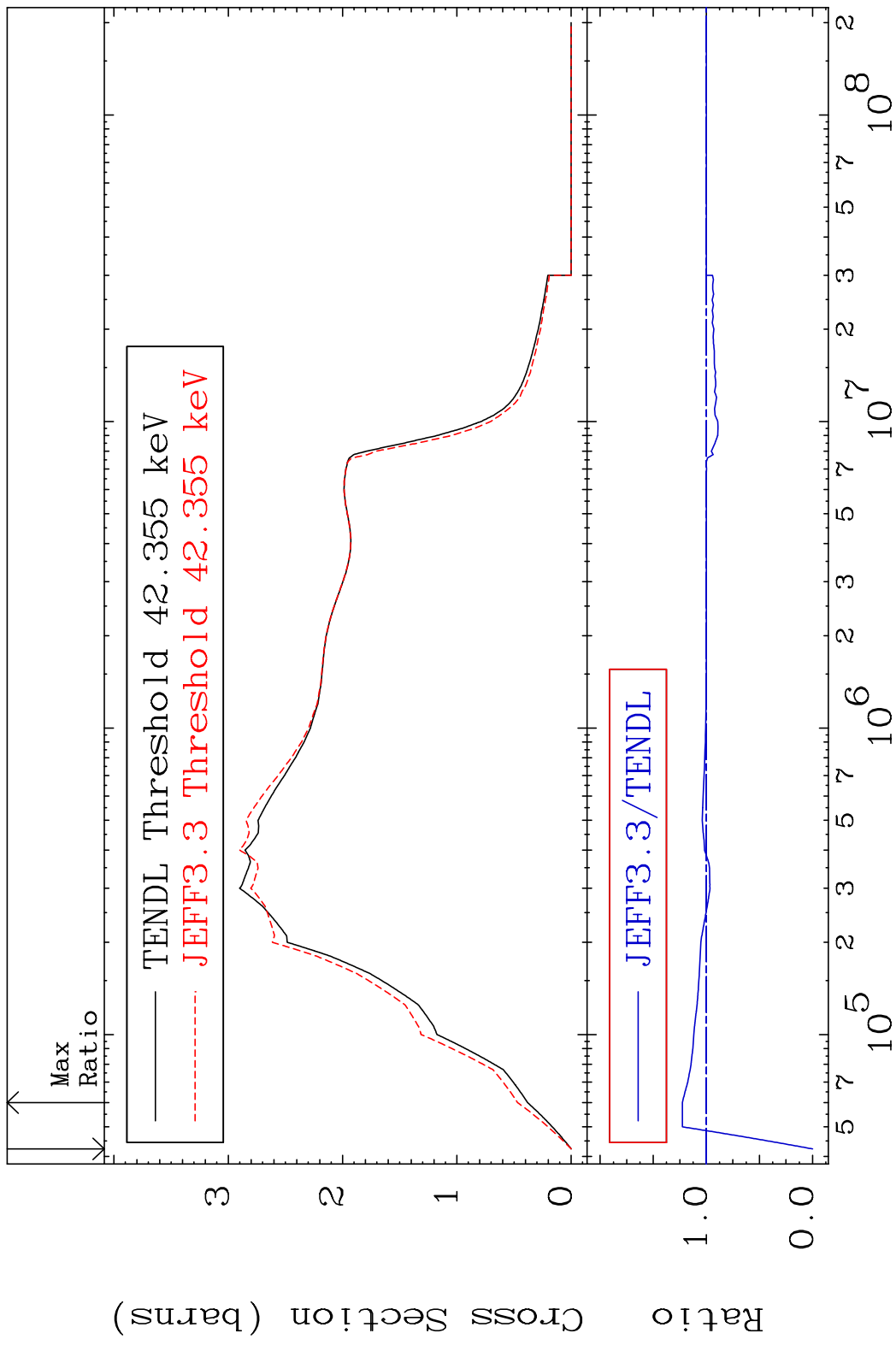
Cross Section (barns)

Ratio

Incident Energy (eV)

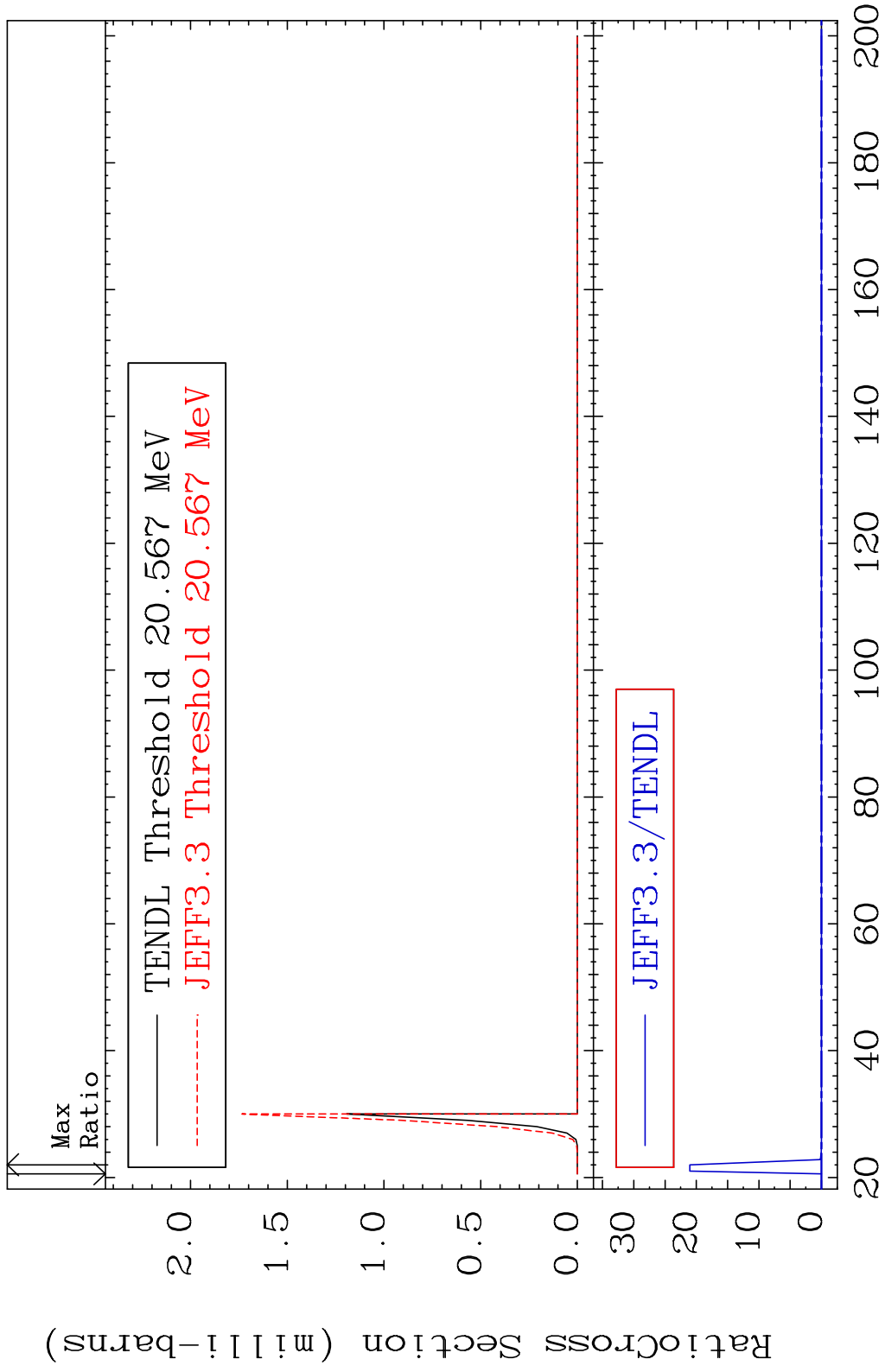
2 45-Rh-102

MAT 4522 Inelastic 45-Rh-102
 Cross Section -100.0 To 22.59 %



3 Incident Energy (eV) 45-Rh-102

MAT 4522 (n,2n) d 45-Rh-102
Cross Section -100.0 To 9999. %



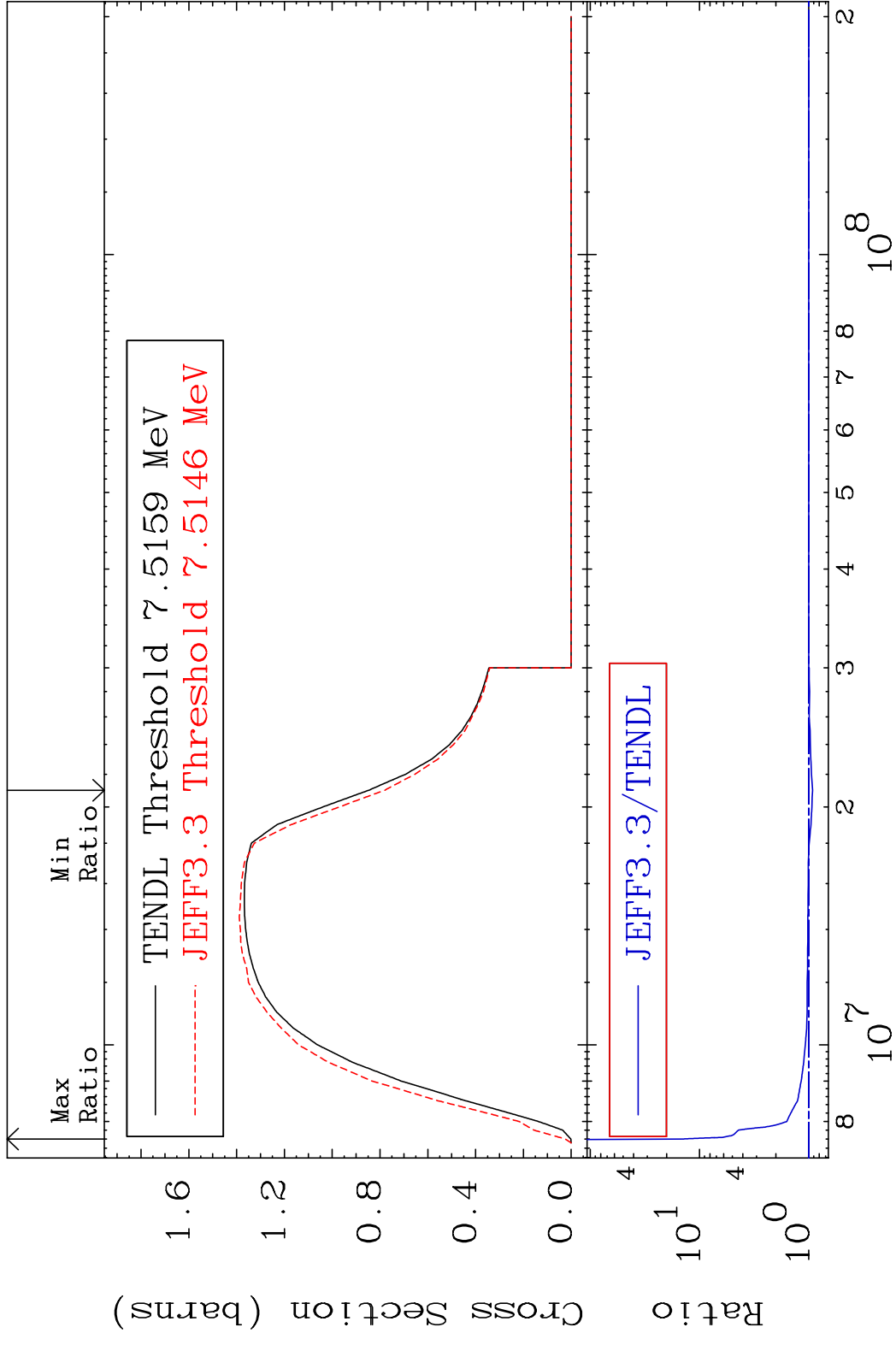
4 Incident Energy (MeV) 45-Rh-102

MAT 4522

(n,2n)

45-Rh-102

Cross Section -7.846 To 1334. %



5

Incident Energy (eV)

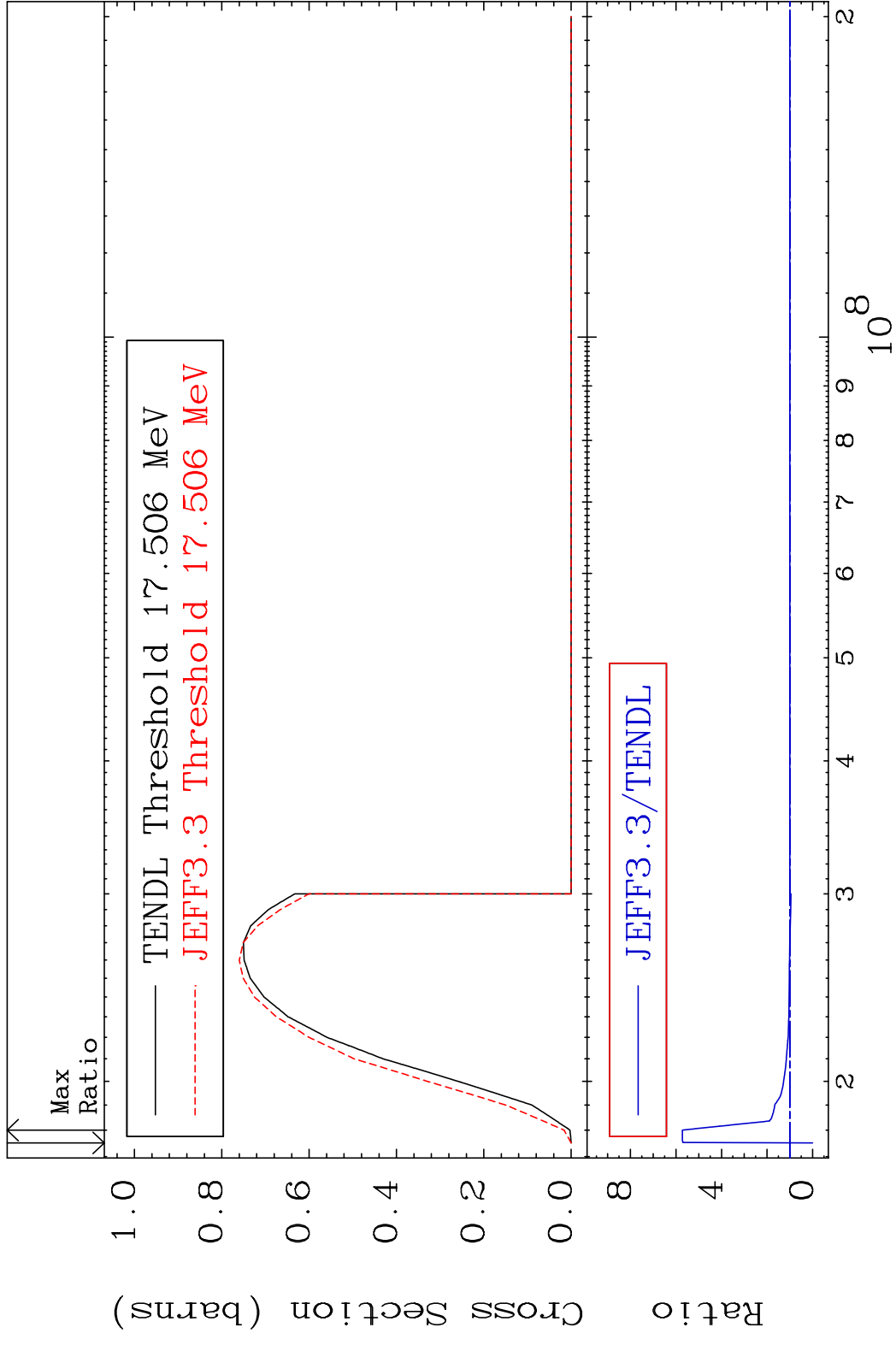
45-Rh-102

MAT 4522

(n,3n)

45-Rh-102

Cross Section -100.0 To 472.0 %

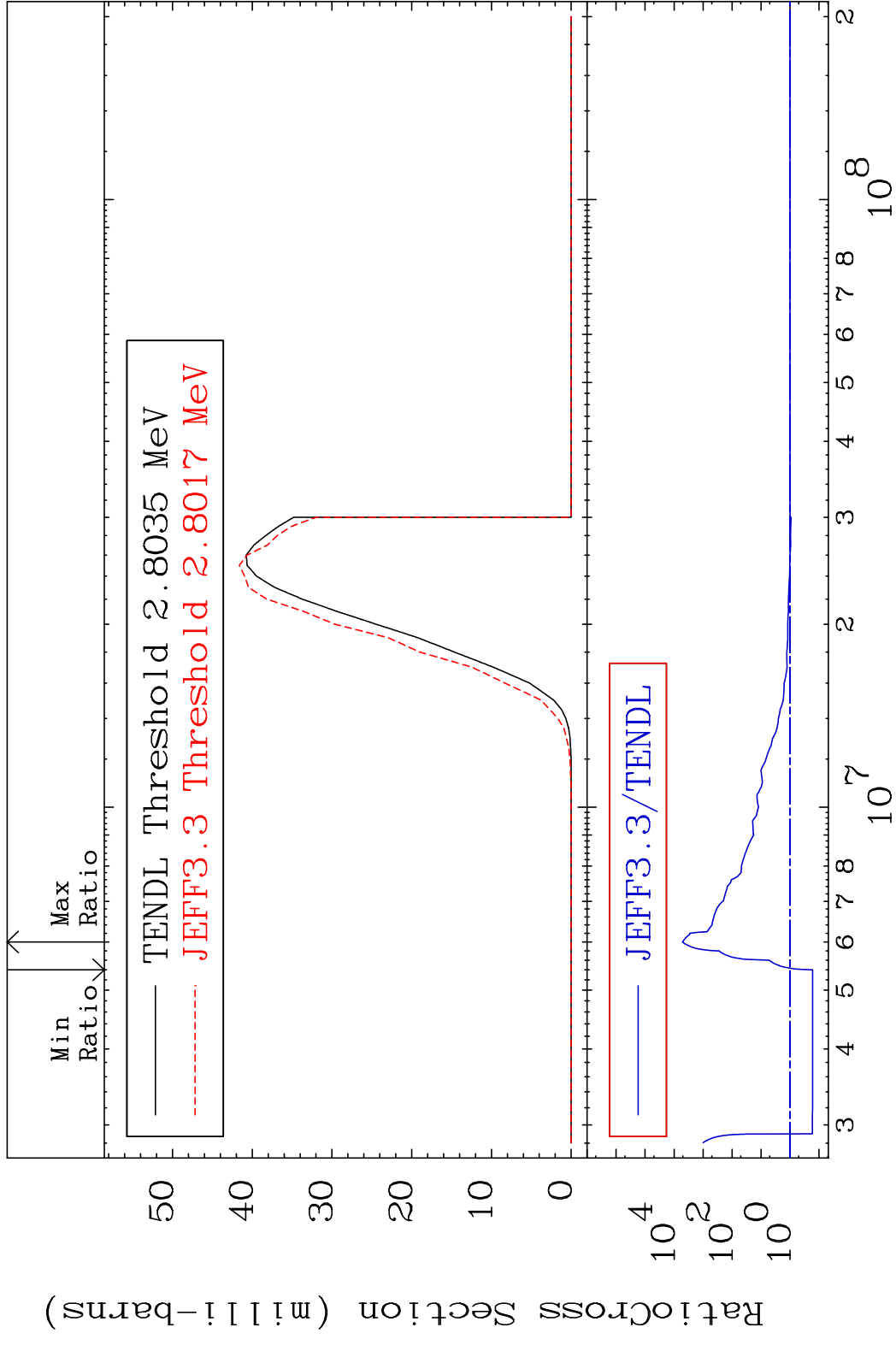


MAT 4522

(n, n') α

45-Rh-102

Cross Section -83.26 To 9999. %



7

Incident Energy (eV)

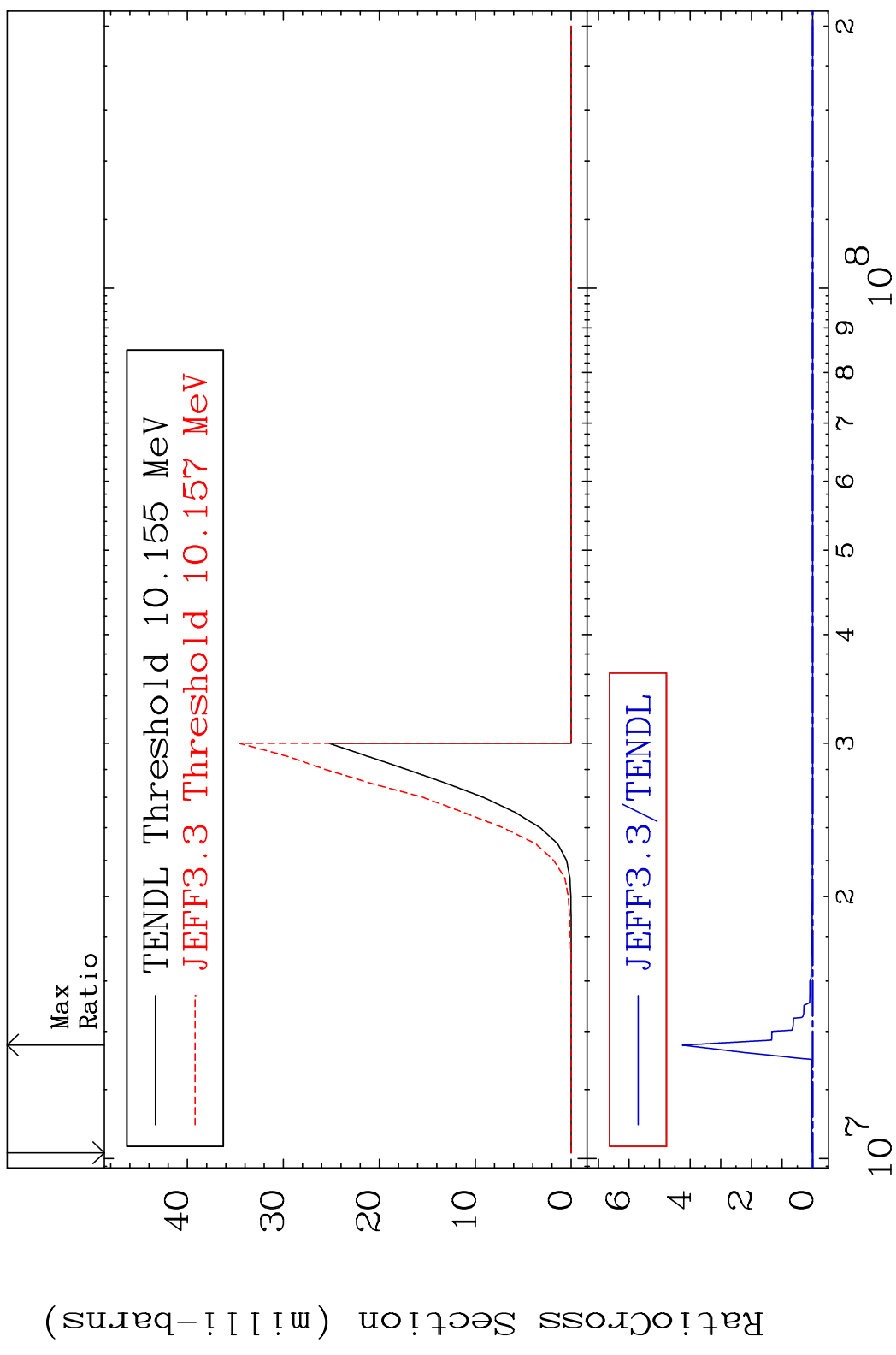
45-Rh-102

MAT 4522

(n,2n) α

45-Rh-102

Cross Section -100.0 To 9999. %

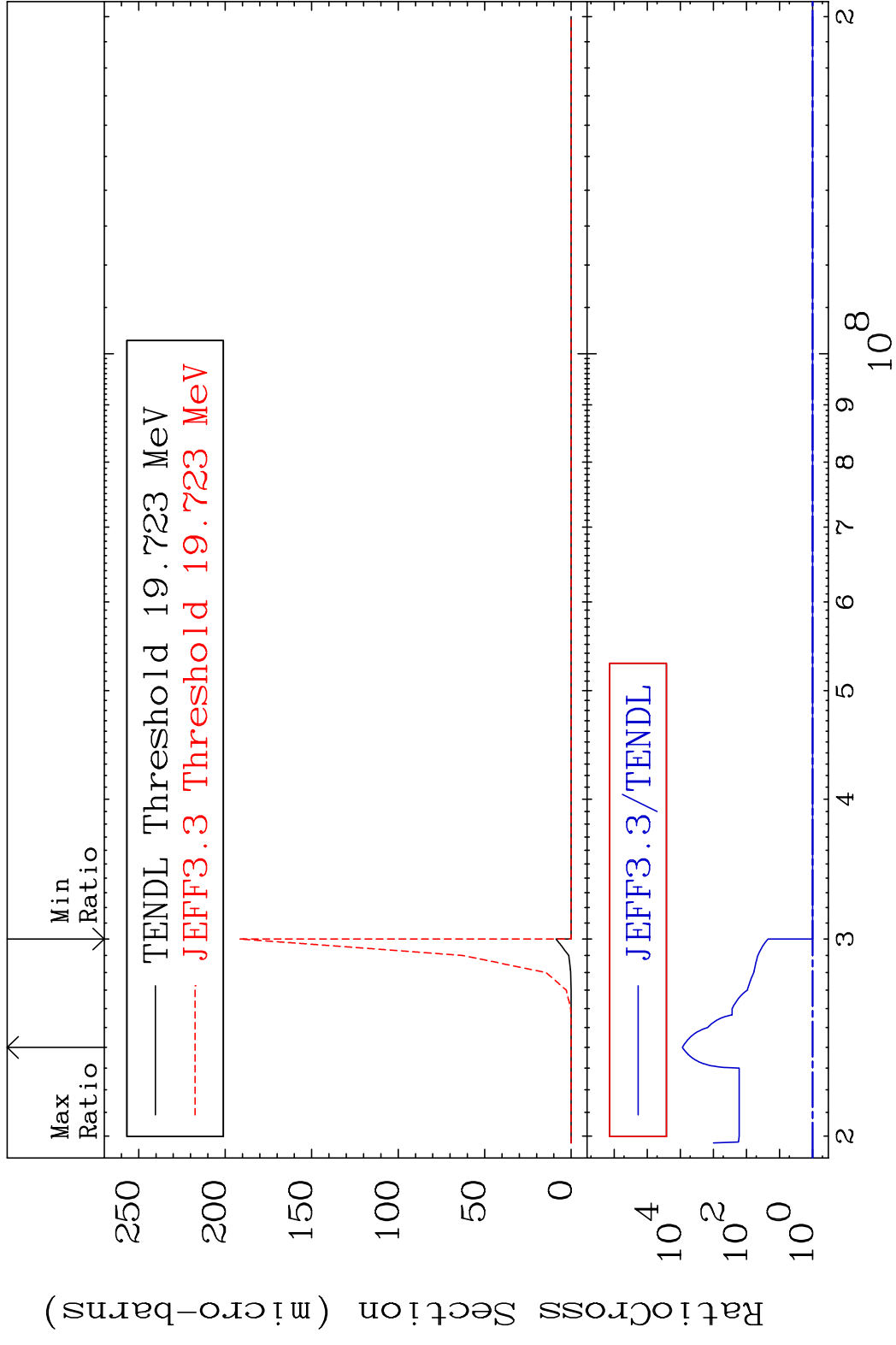


8

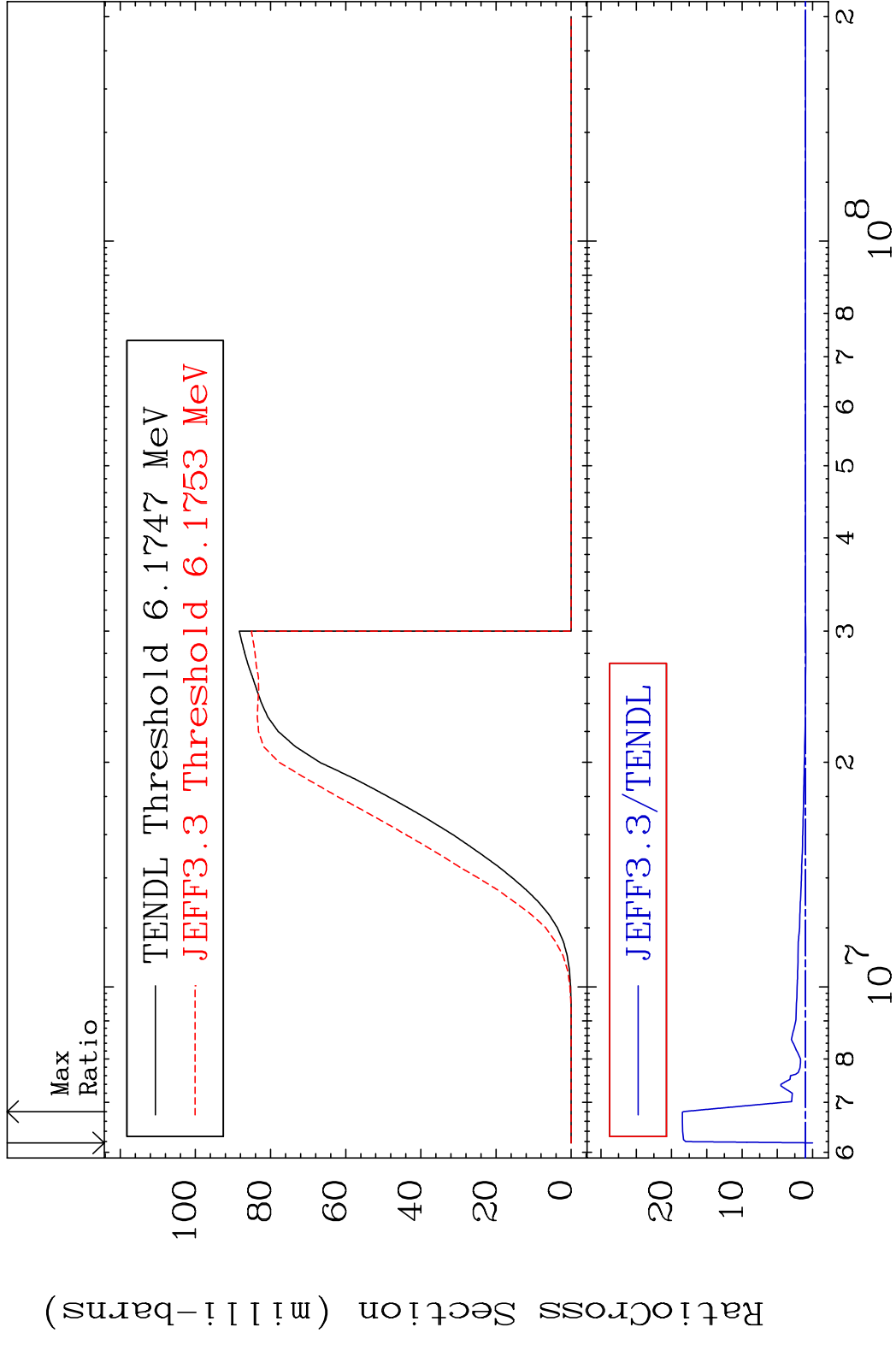
Incident Energy (eV)

45-Rh-102

MAT 4522 (n,3n) α 45-Rh-102
 Cross Section 0.000 To 9999. %



MAT 4522 (n, n') p 45-Rh-102
 Cross Section -100.0 To 1747. %



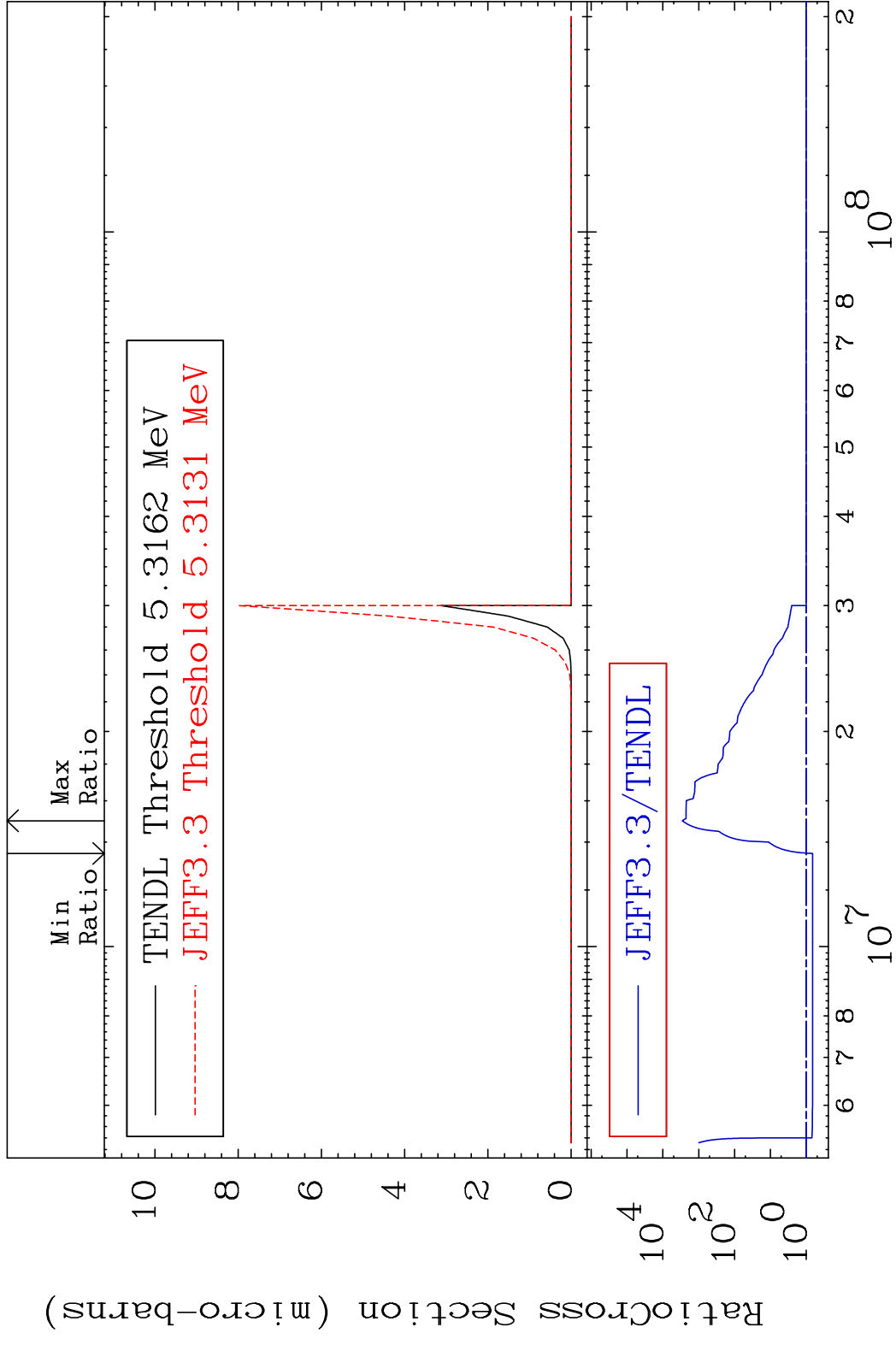
10 6 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 45-Rh-102

MAT 4522

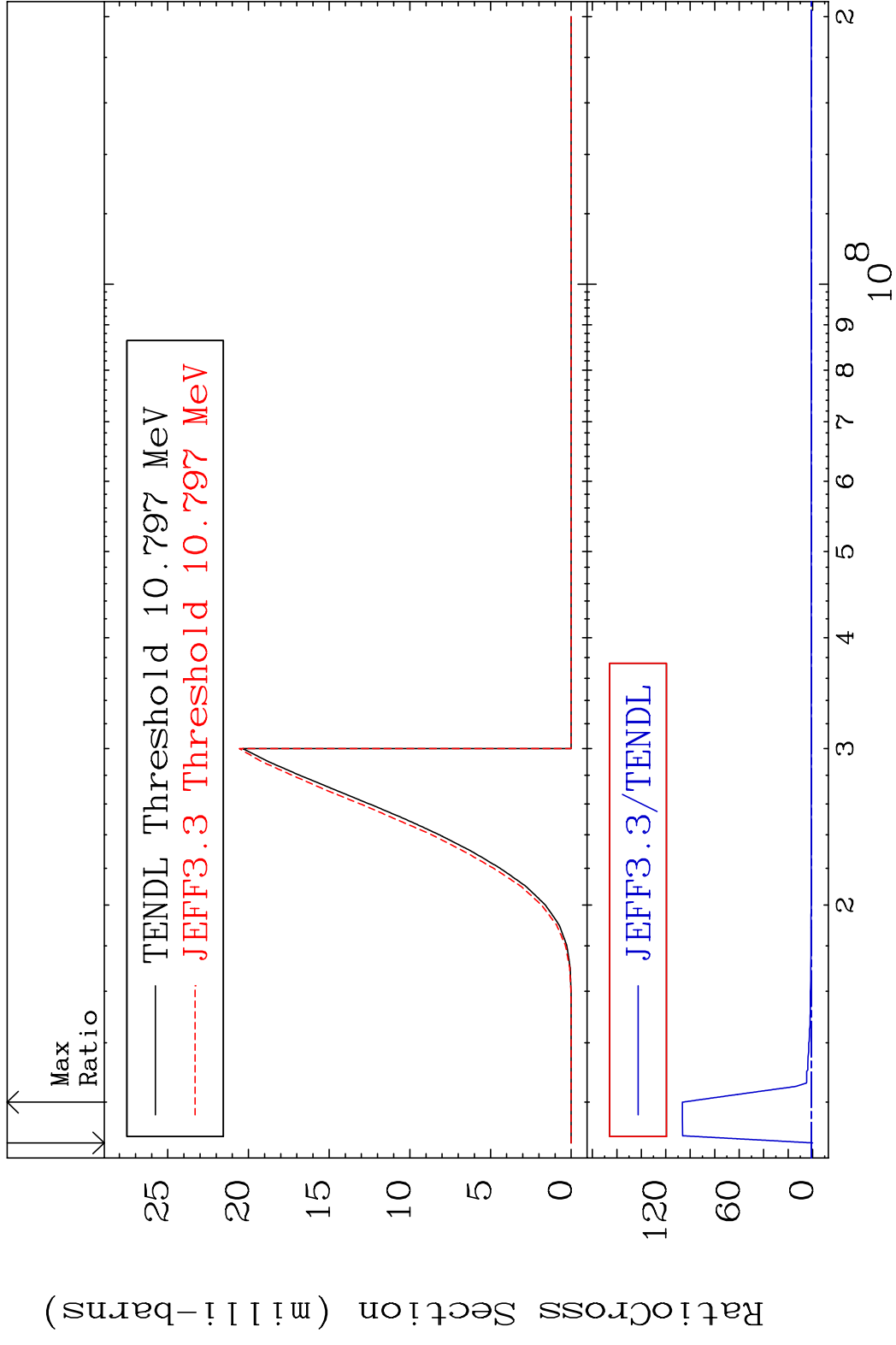
(n, n') 2α

45-Rh-102

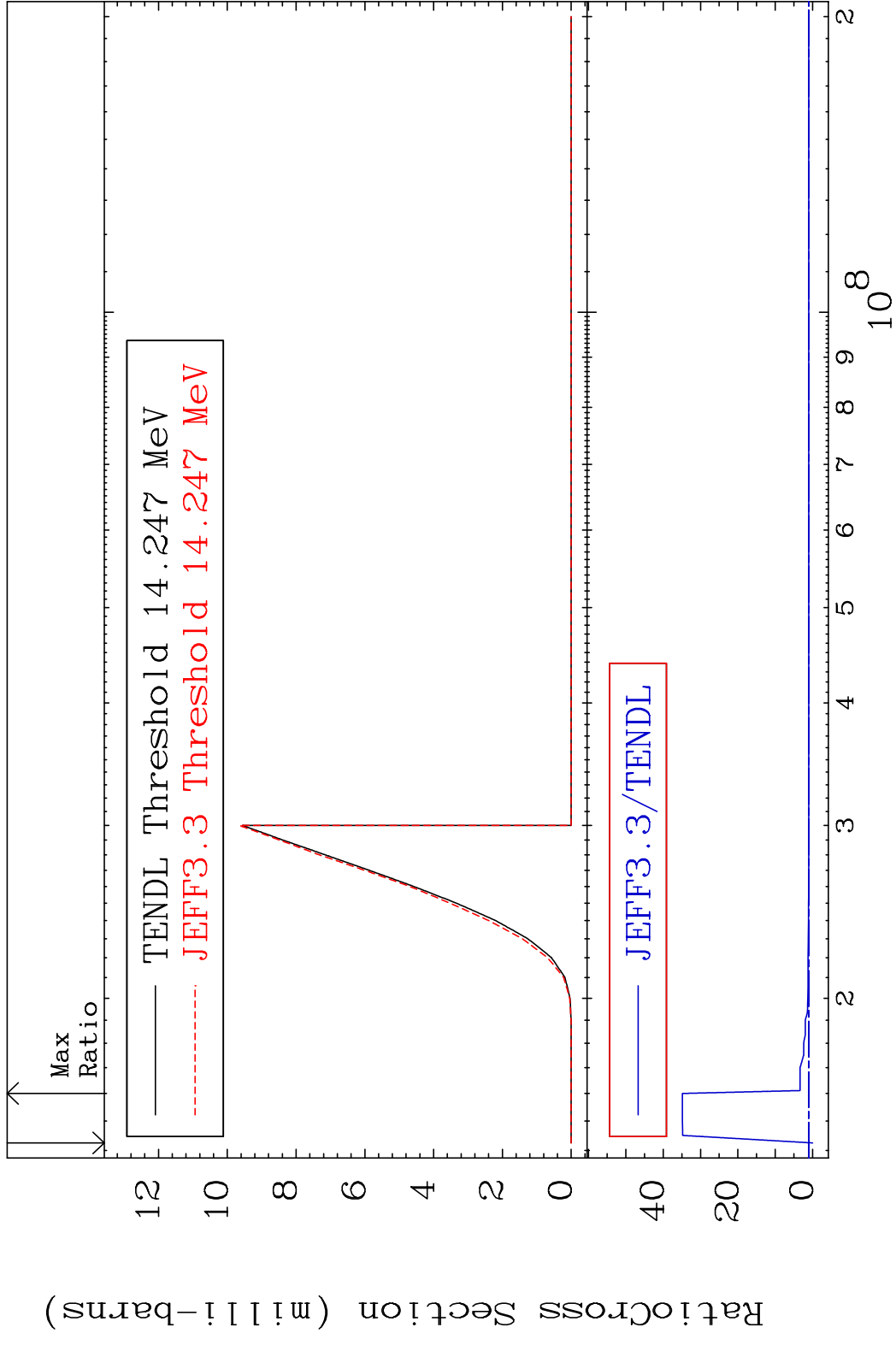
Cross Section -33.00 To 9999. %



MAT 4522 (n, n') d 45-Rh-102
 Cross Section -100.0 To 9999. %



MAT 4522 (n, n') t 45-Rh-102
 Cross Section -100.0 To 3387. %



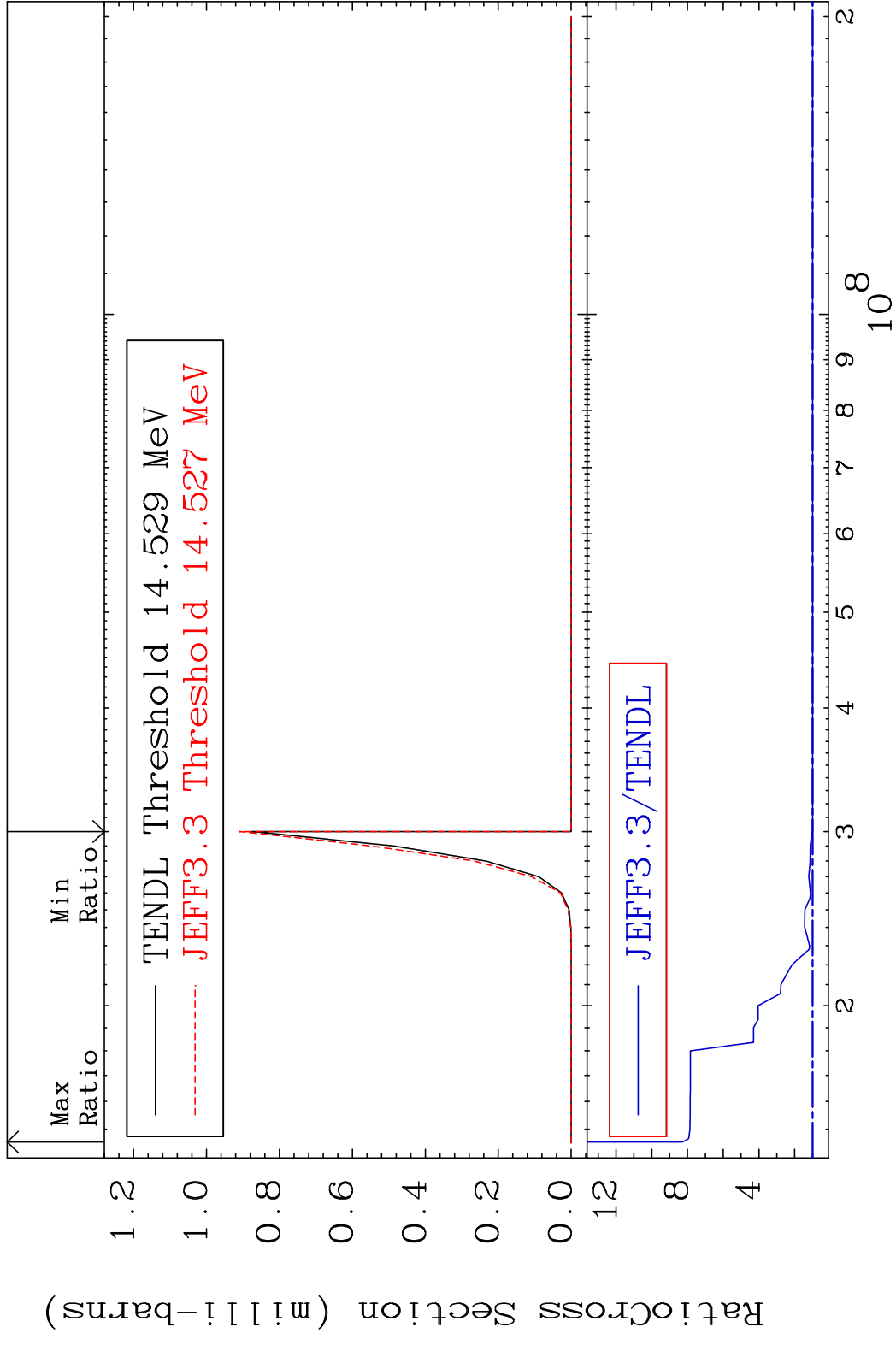
MAT 4522

(n,n') He-3

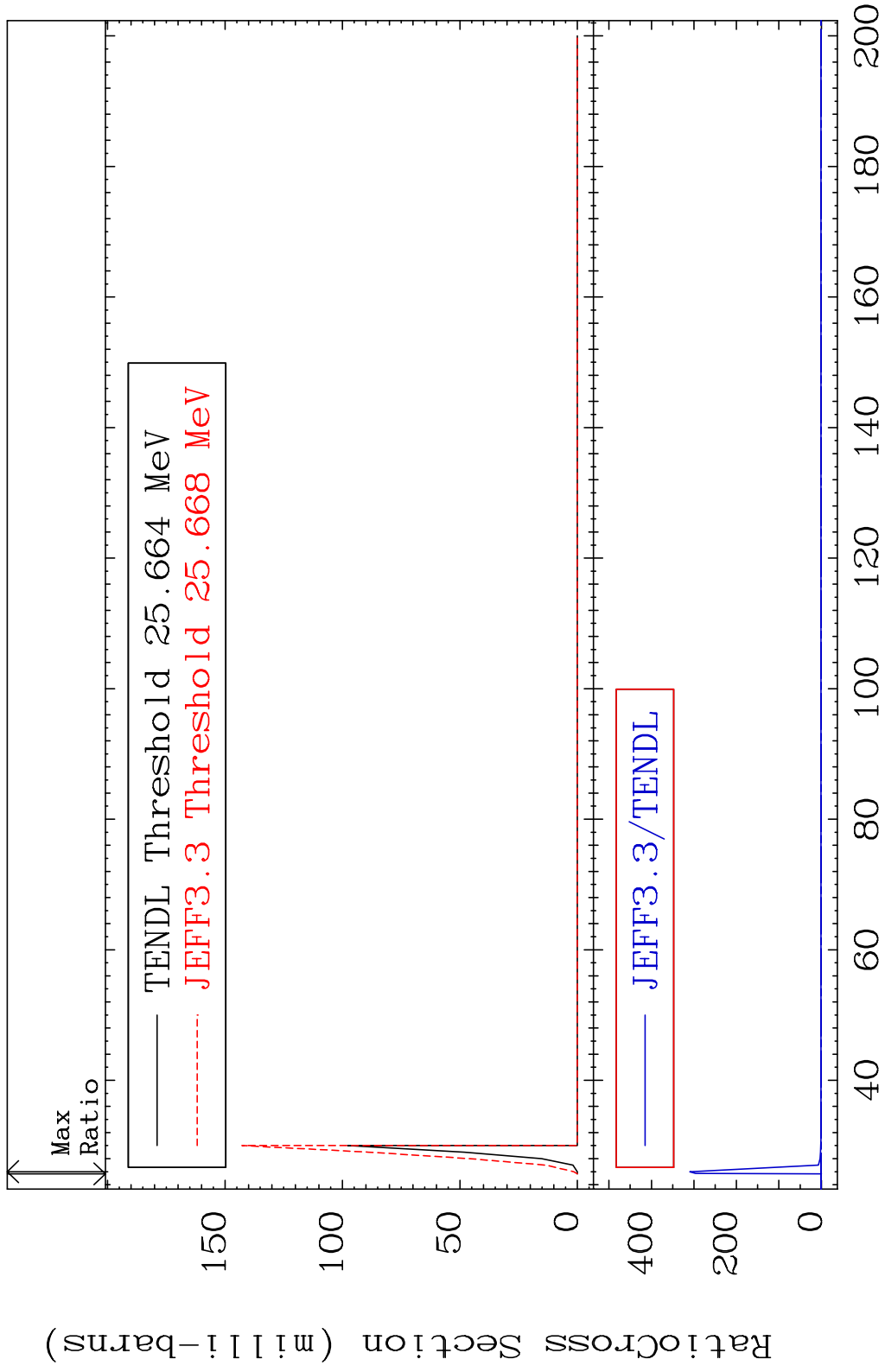
45-Rh-102

Cross Section 0.000

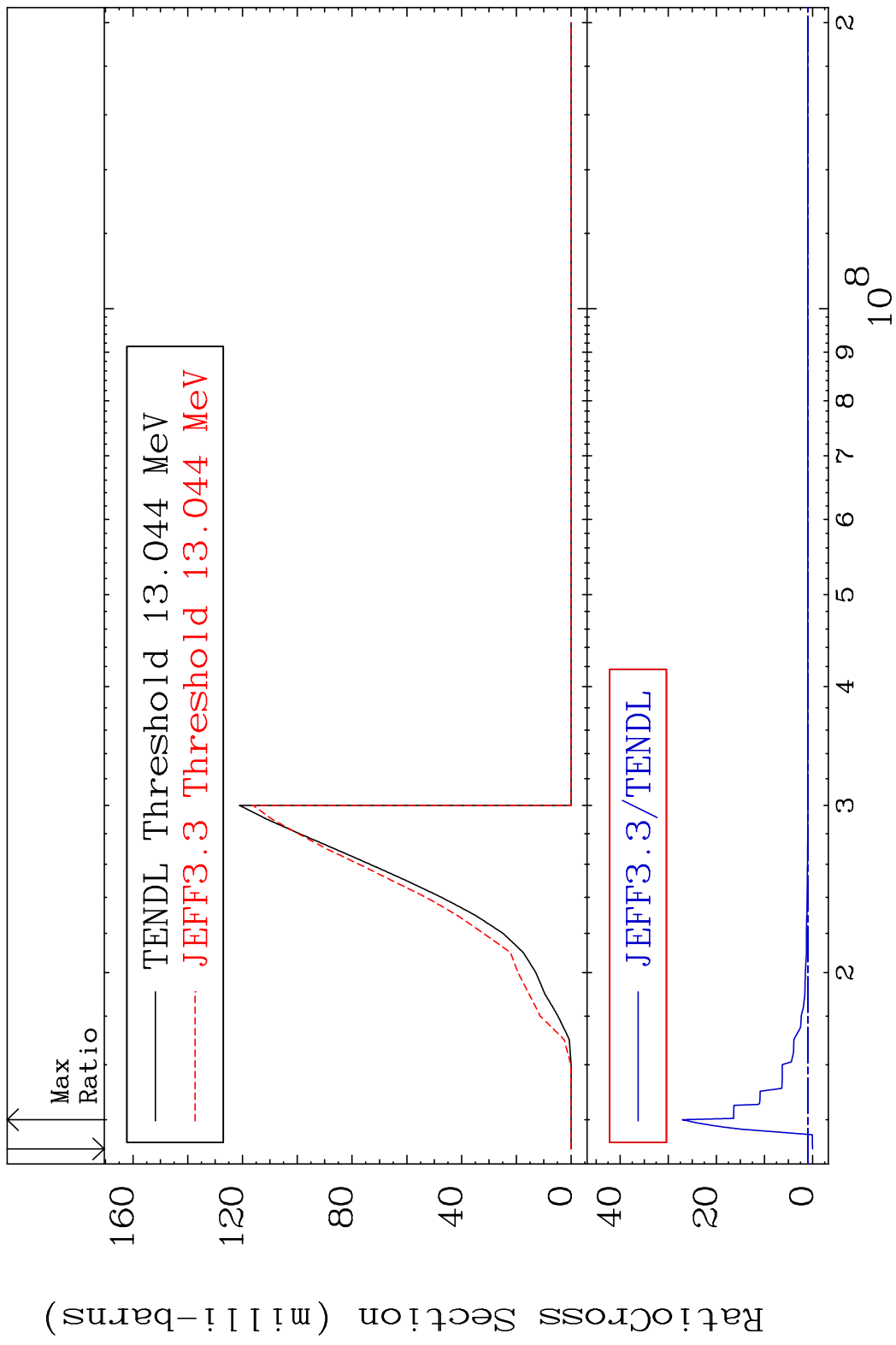
To 728.9 %



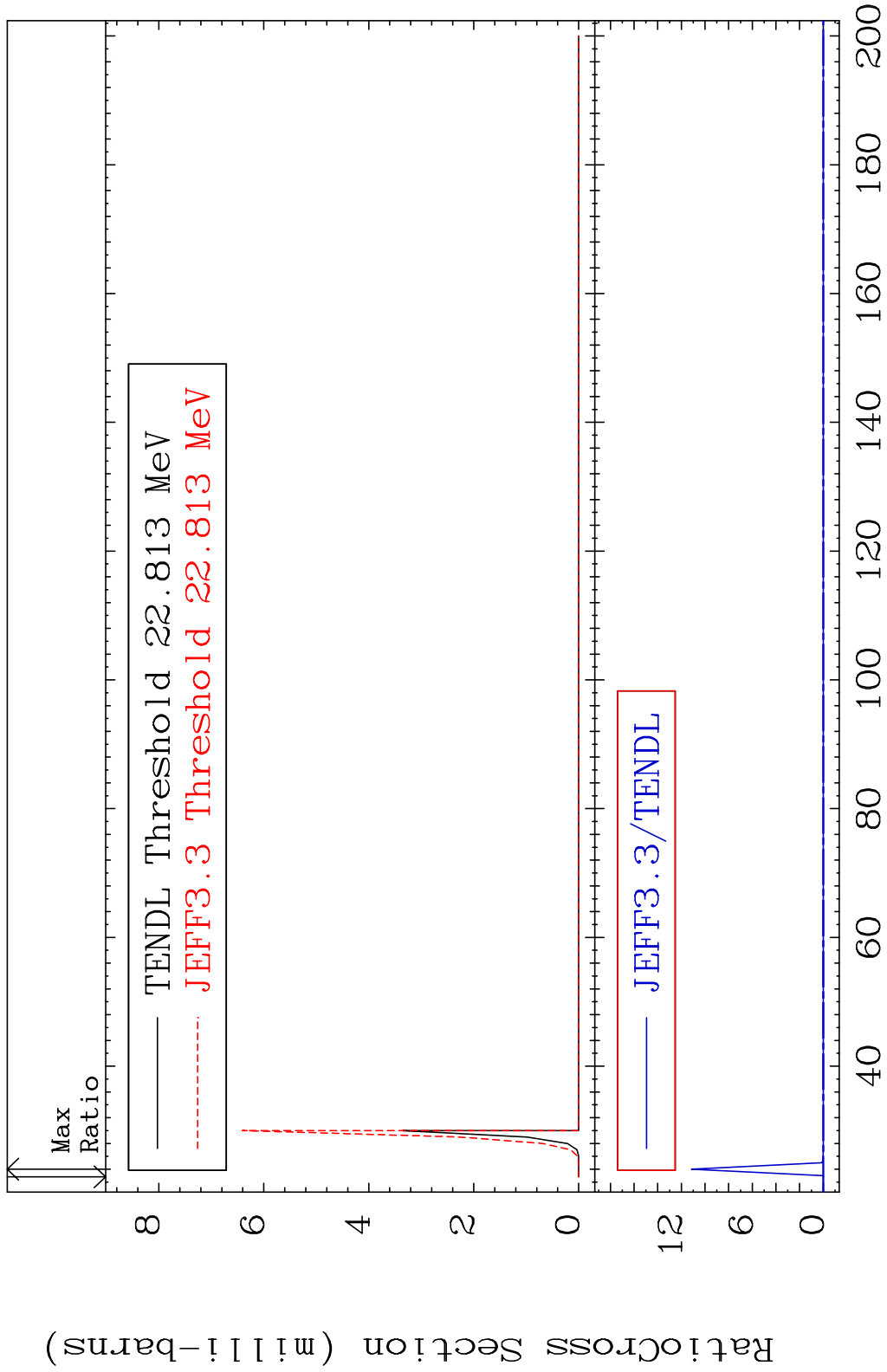
MAT 4522 (n,4n) 45-Rh-102
 Cross Section -100.0 To 9999. %



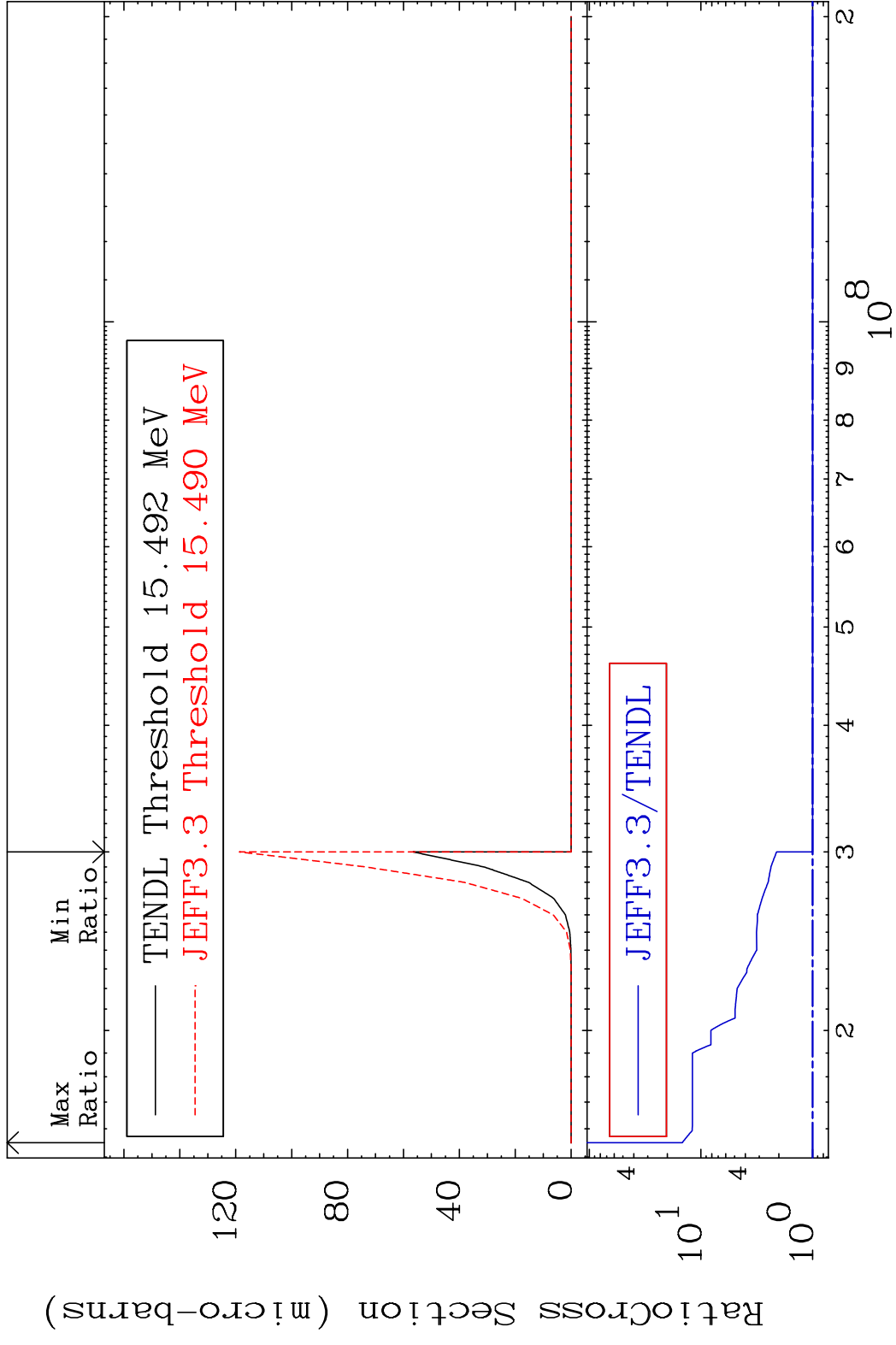
MAT 4522 (n,2n) p 45-Rh-102
 Cross Section -100.0 To 2607. %



MAT 4522 (n,3n) p 45-Rh-102
 Cross Section -100.0 To 9999. %



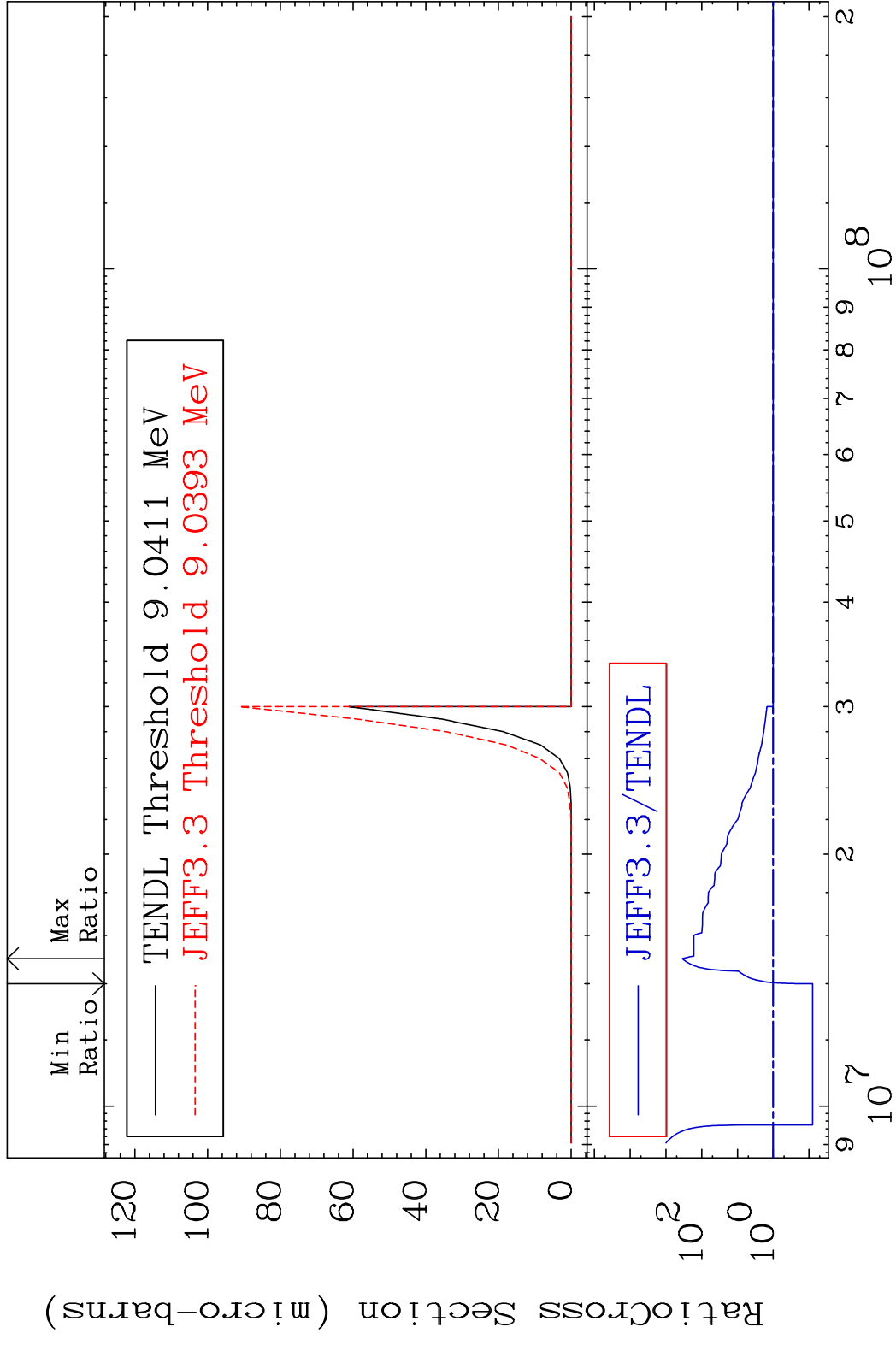
MAT 4522 (n,2n) p 45-Rh-102
 Cross Section 0.000 To 1368. %



18 Incident Energy (eV) 45-Rh-102

MAT 4522

(n,n') p α 45-Rh-102
Cross Section -92.05 To 9999. %

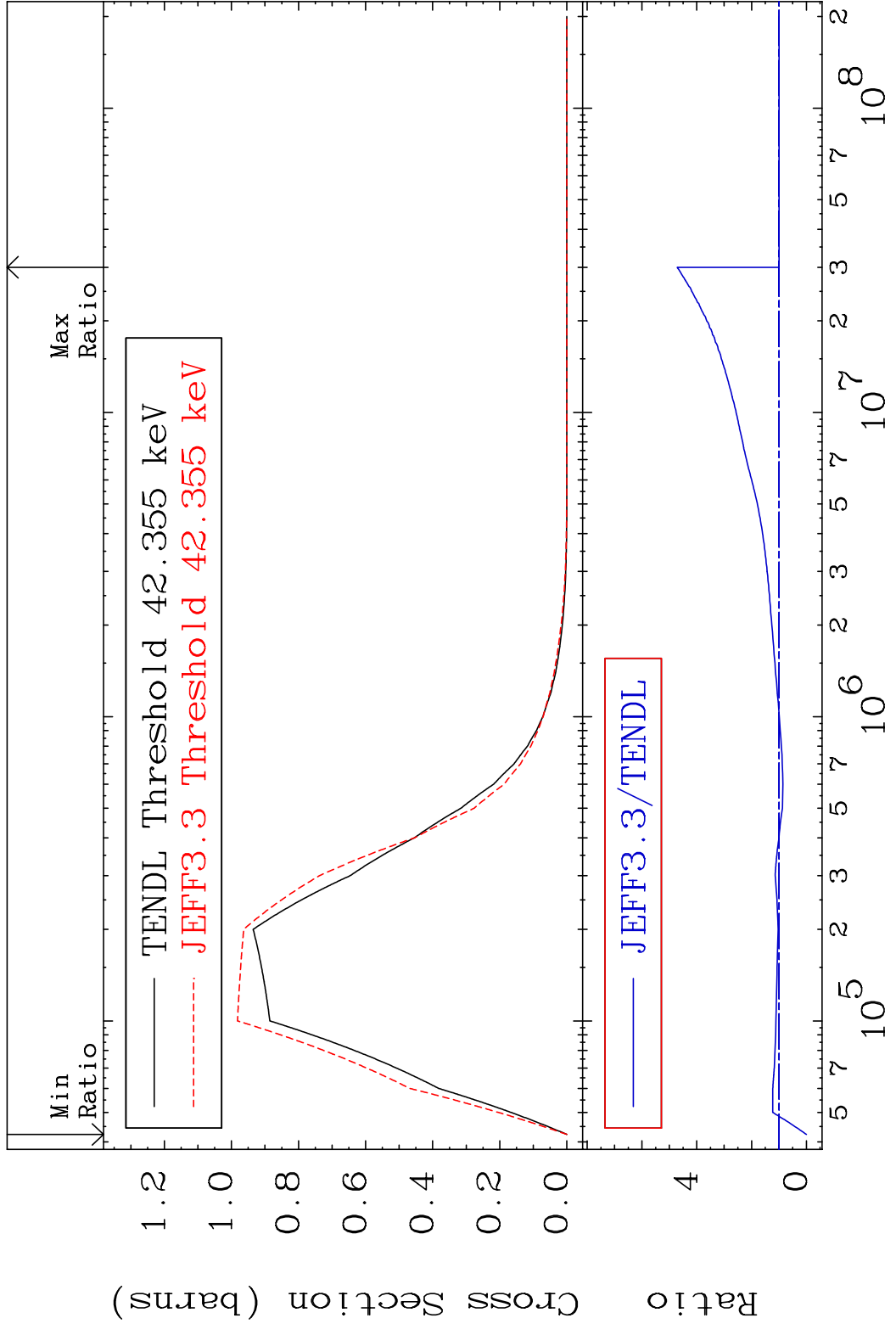


19

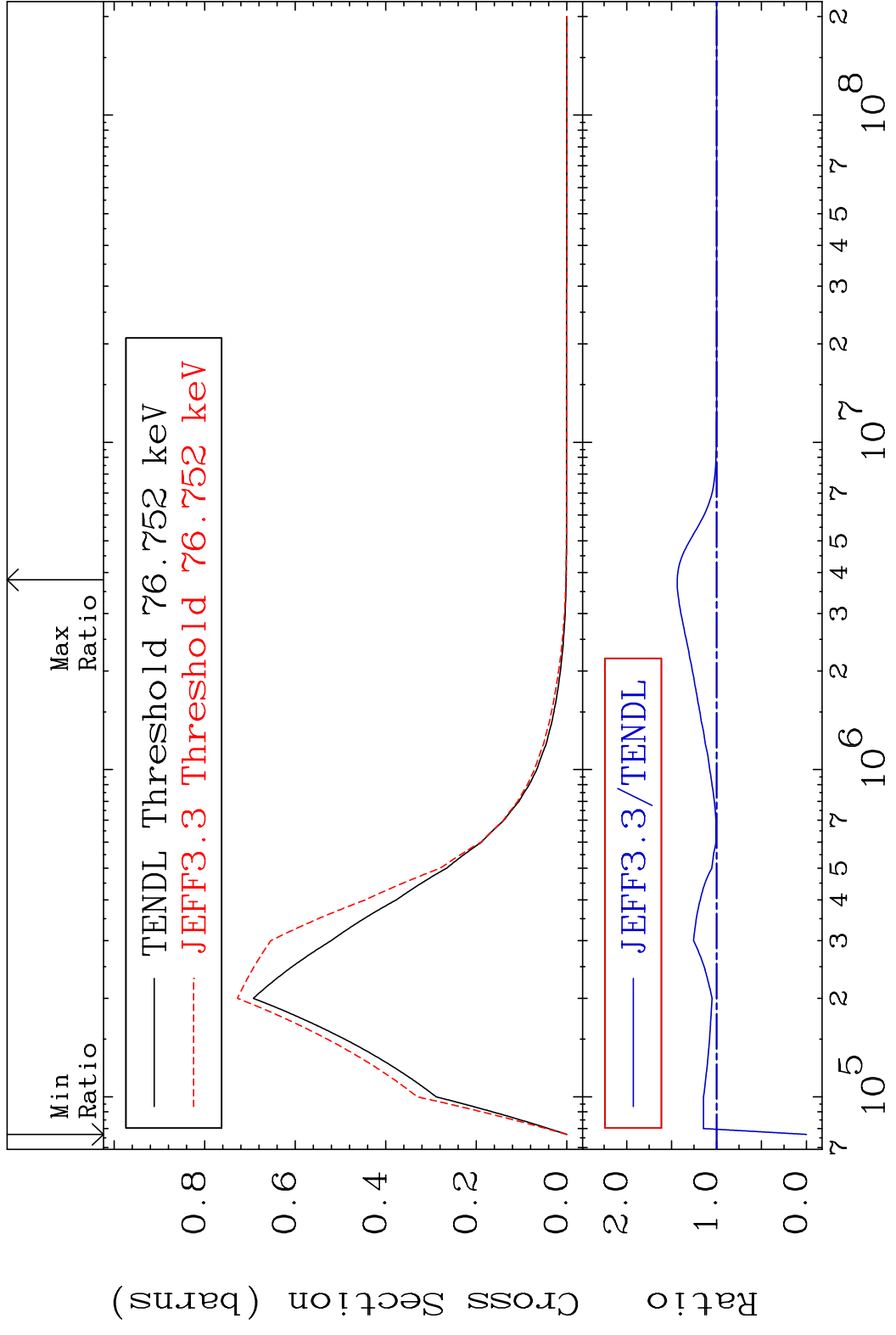
Incident Energy (eV)

45-Rh-102

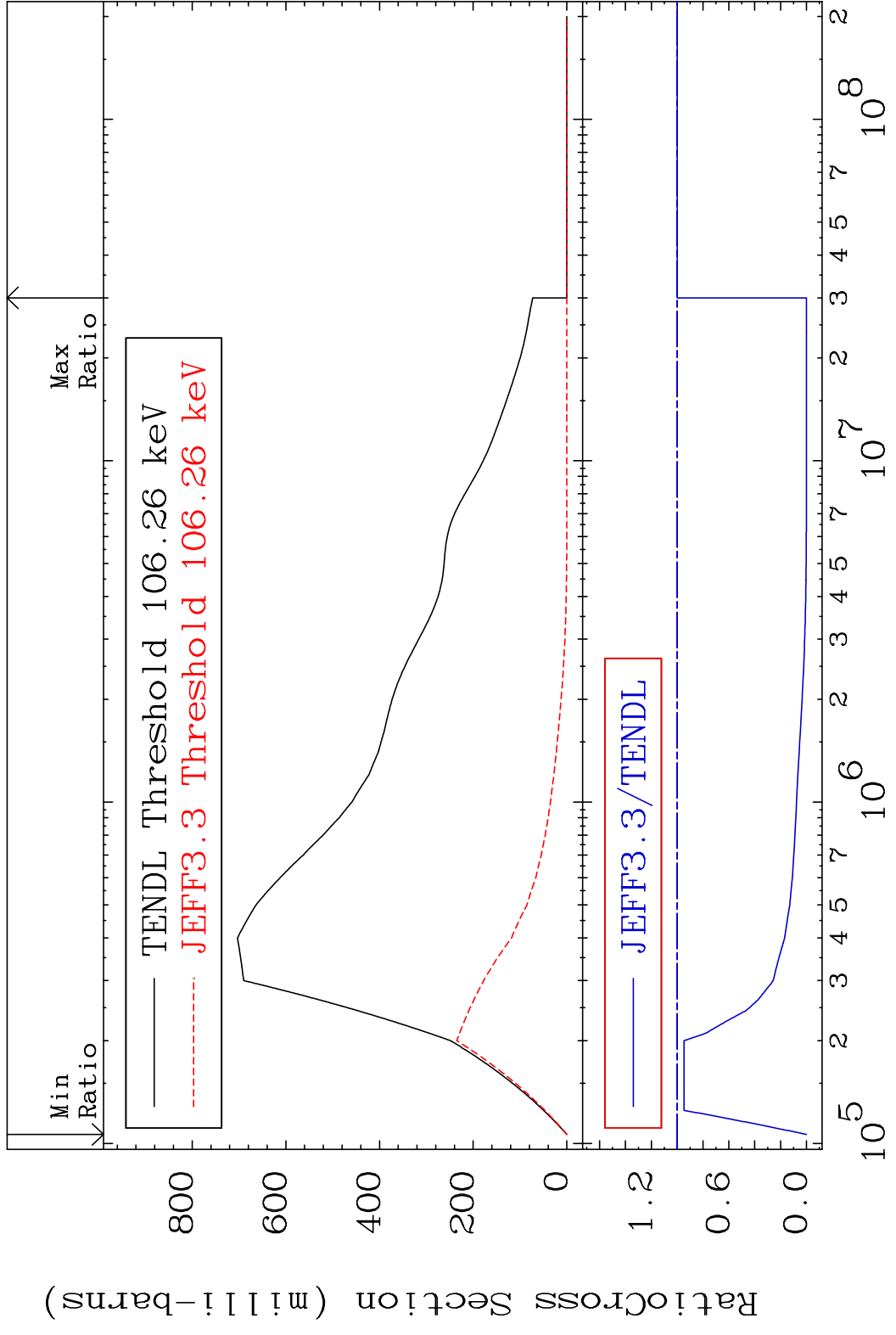
MAT 4522 MT= 51 (n, n') Level 45-Rh-102
 Cross Section -100.0 To 371.5 %



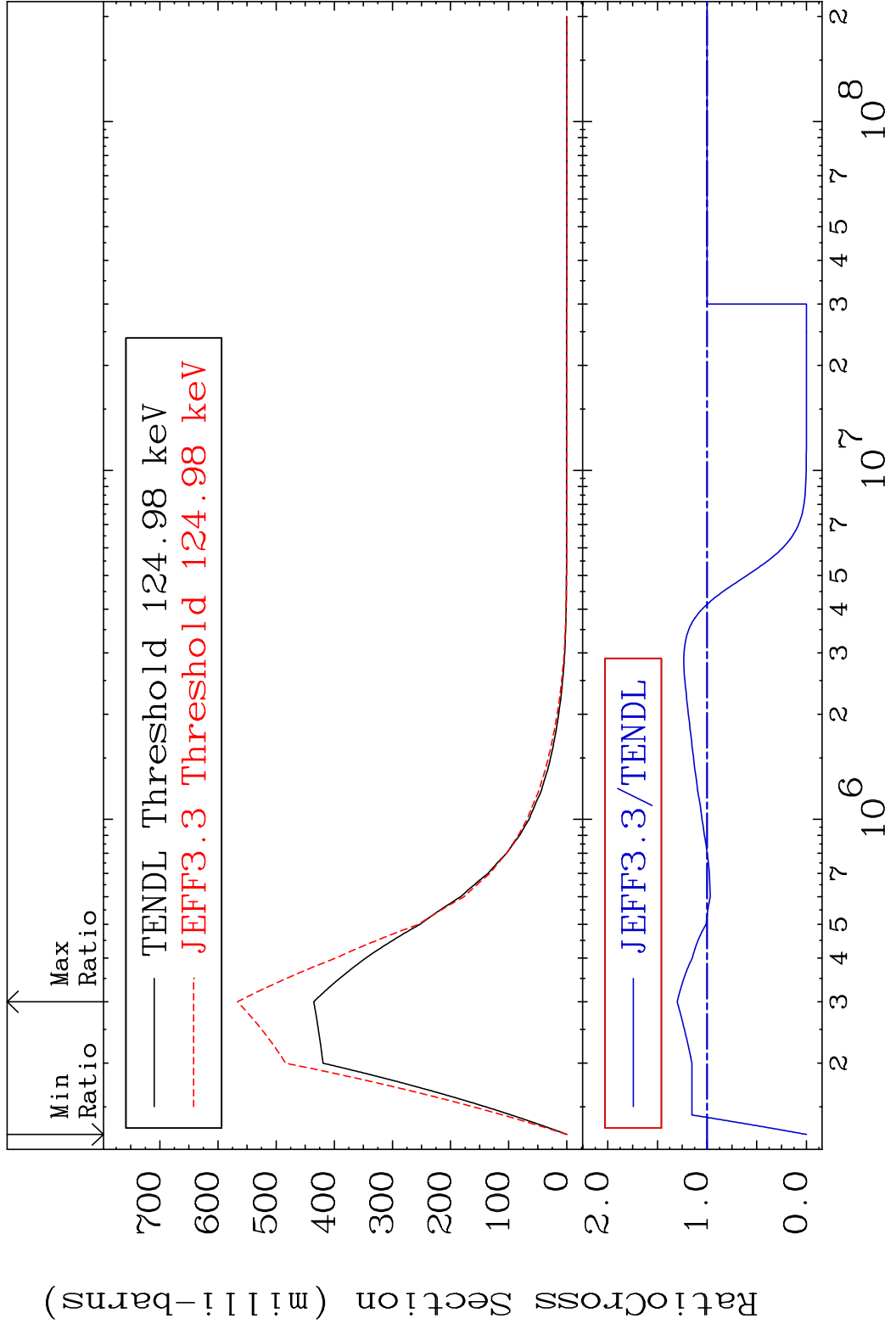
MAT 4522 MT= 52 (n, n') Level 45-Rh-102
 Cross Section -100.0 To 43.77 %



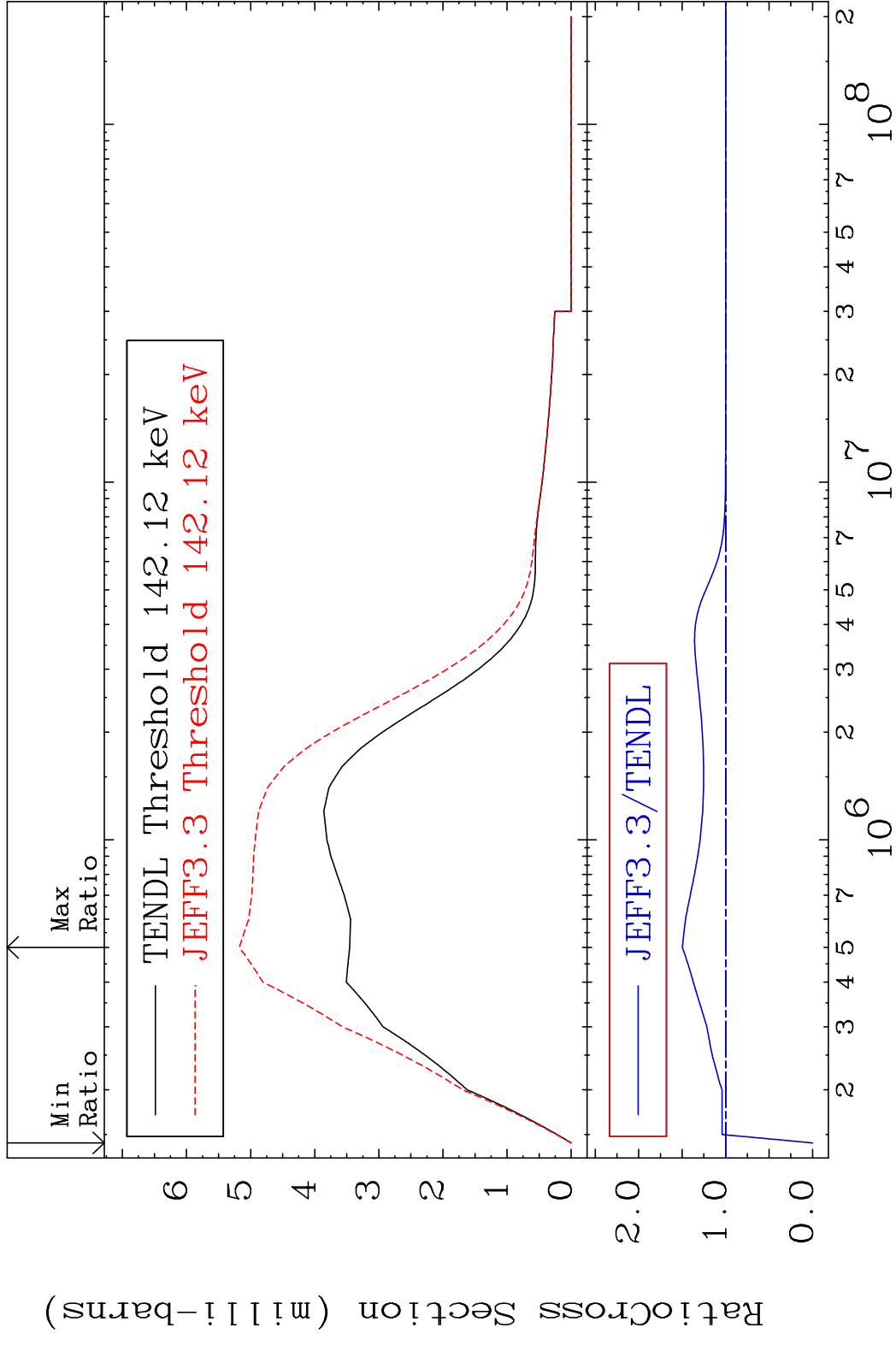
MAT 4522 MT= 53 (n, n') Level 45-Rh-102
 Cross Section -100.0 To 0.000 %



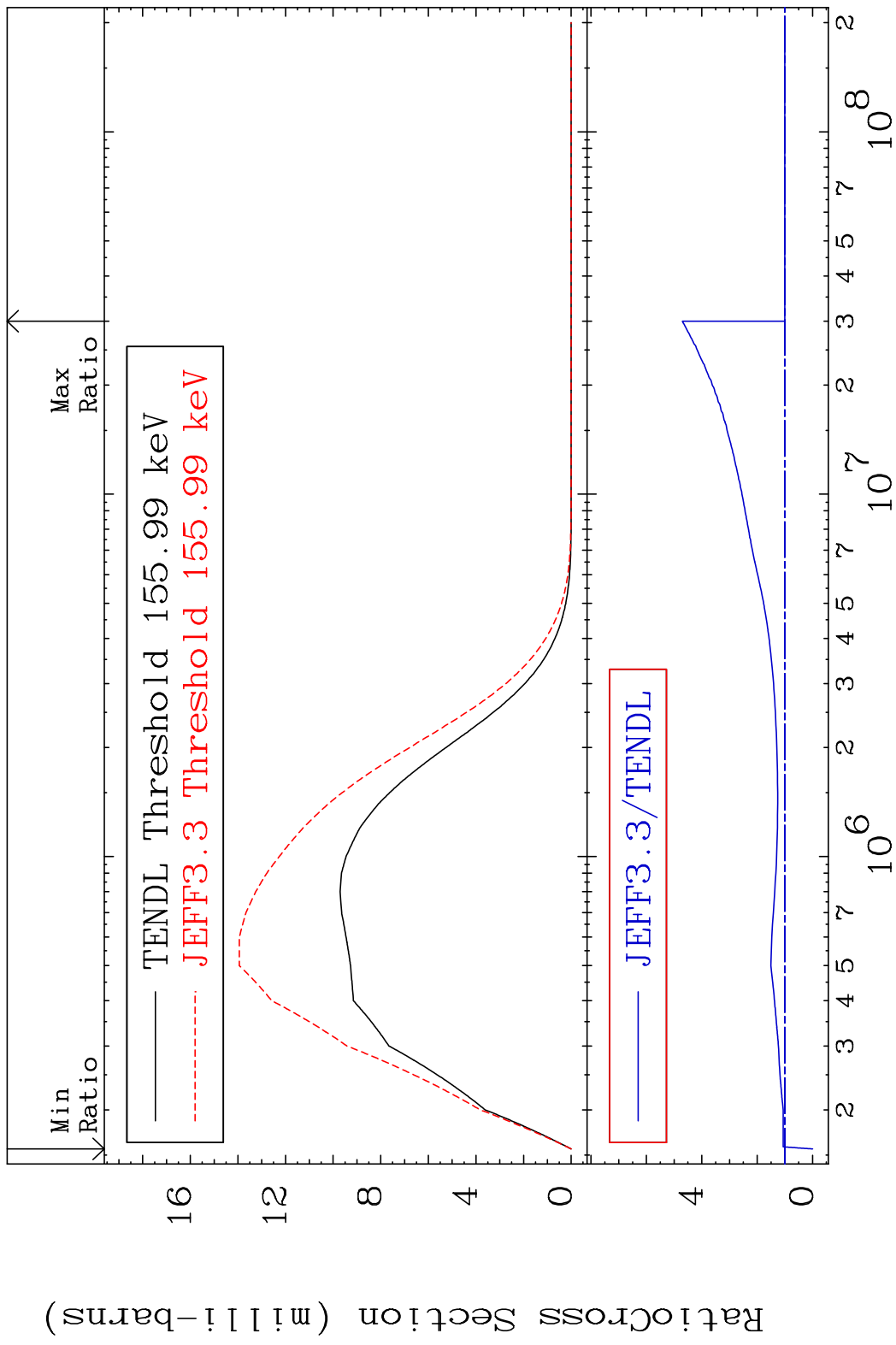
MAT 4522 MT= 54 (n,n') Level 45-Rh-102
 Cross Section -100.0 To 30.10 %



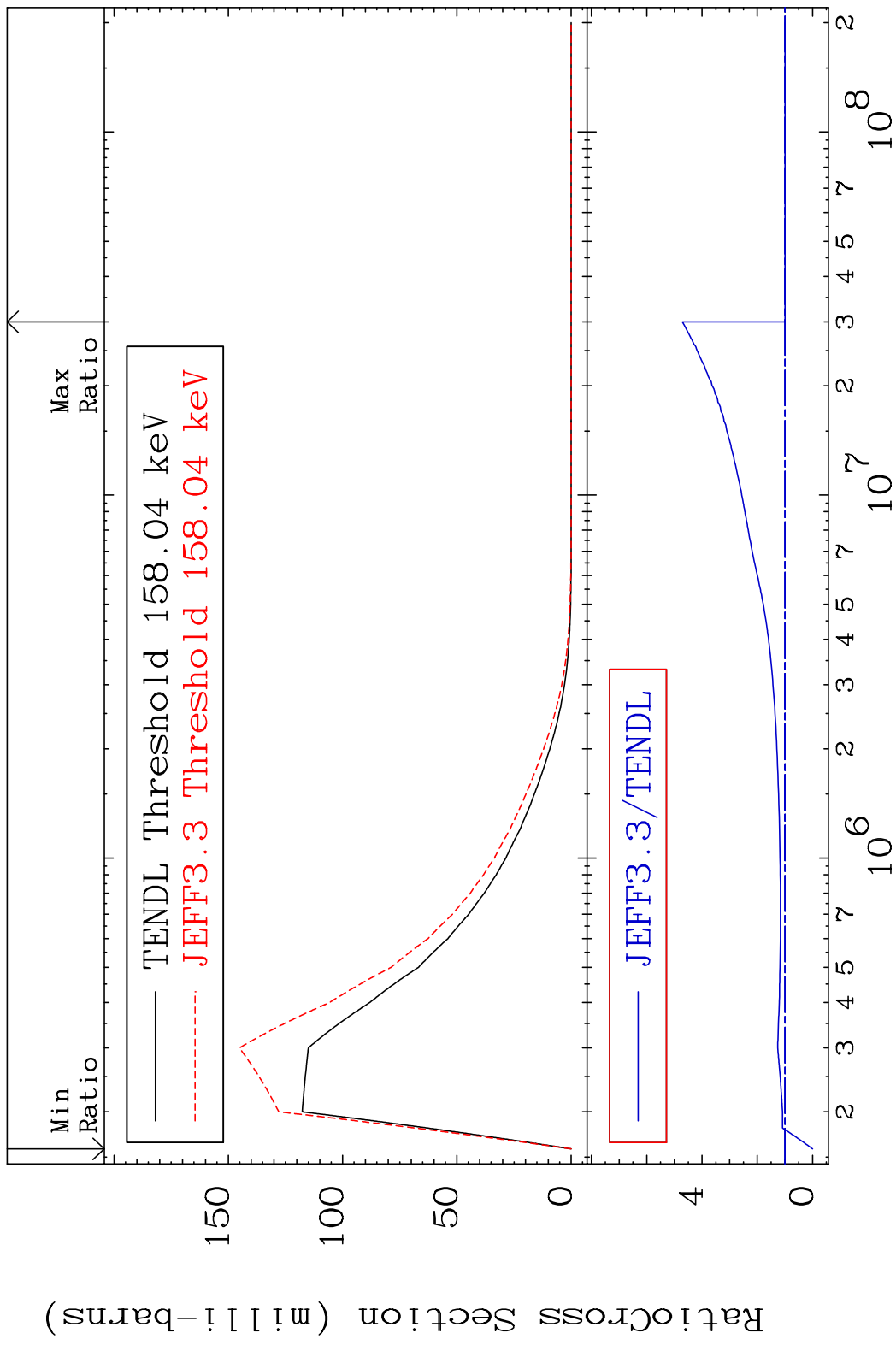
MAT 4522 MT= 55 (n,n') Level 45-Rh-102
 Cross Section -100.0 To 49.79 %



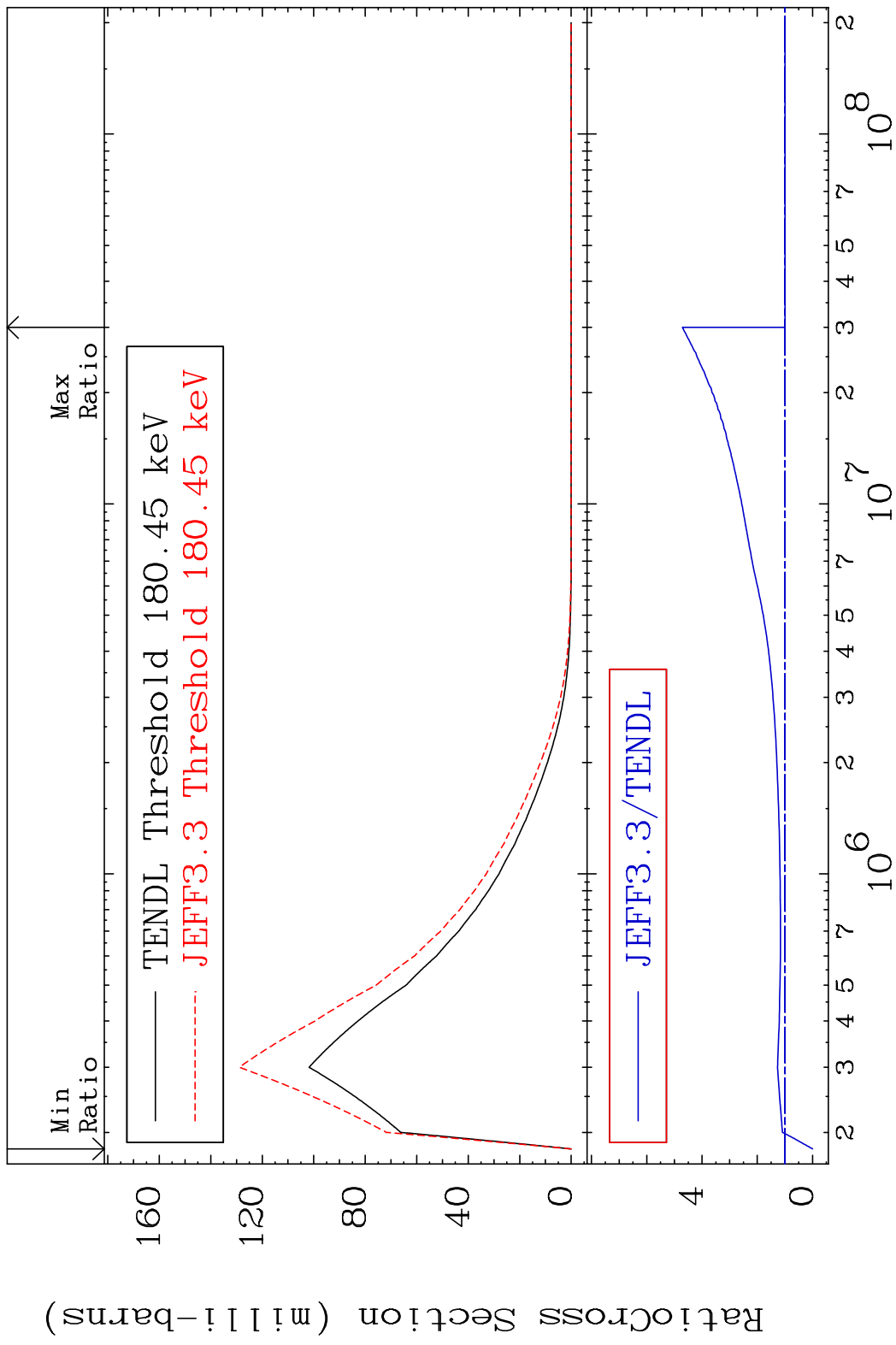
MAT 4522 MT= 56 (n,n') Level 45-Rh-102
 Cross Section -100.0 To 370.2 %



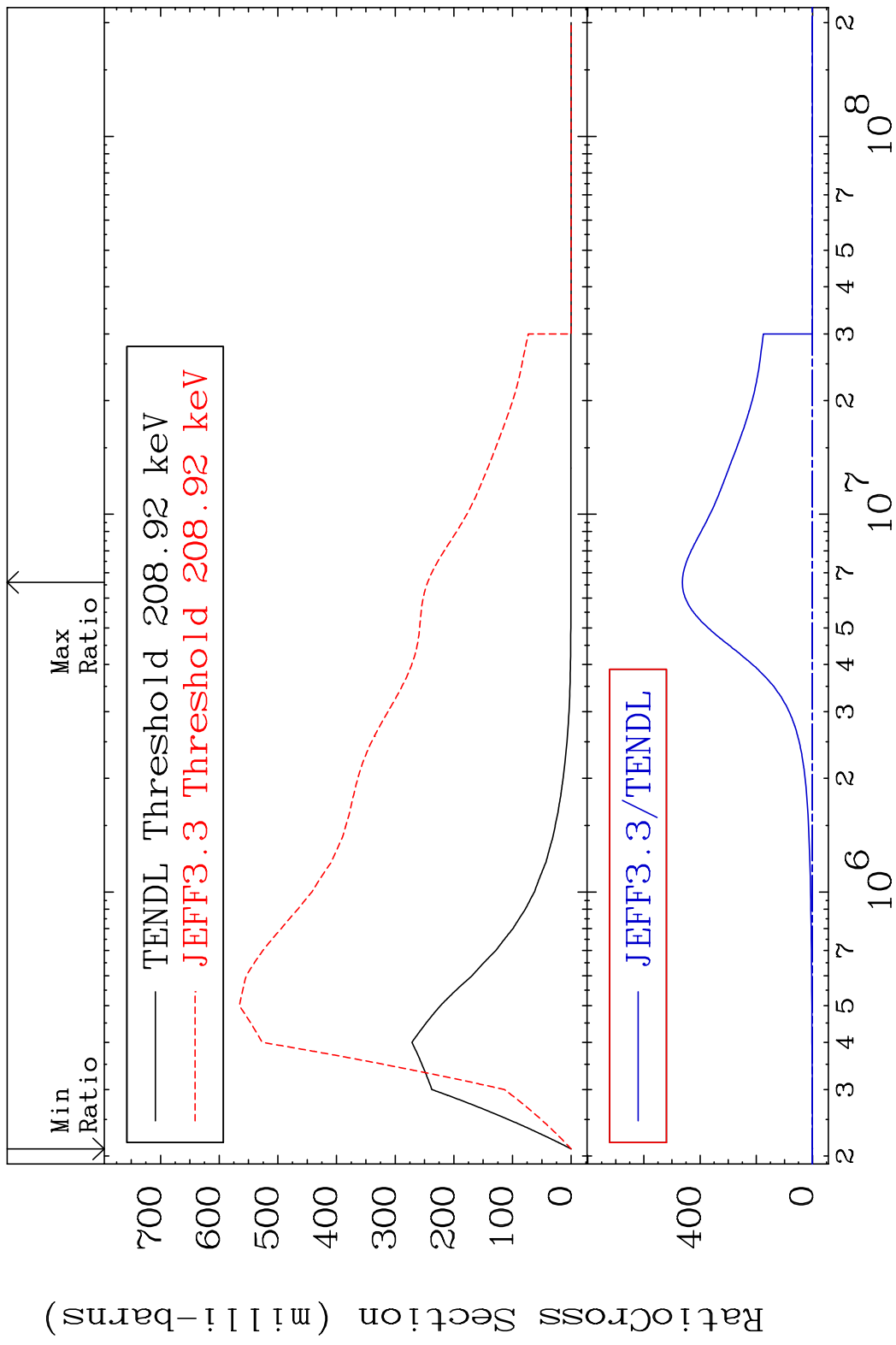
MAT 4522 MT= 57 (n,n') Level 45-Rh-102
 Cross Section -100.0 To 371.2 %



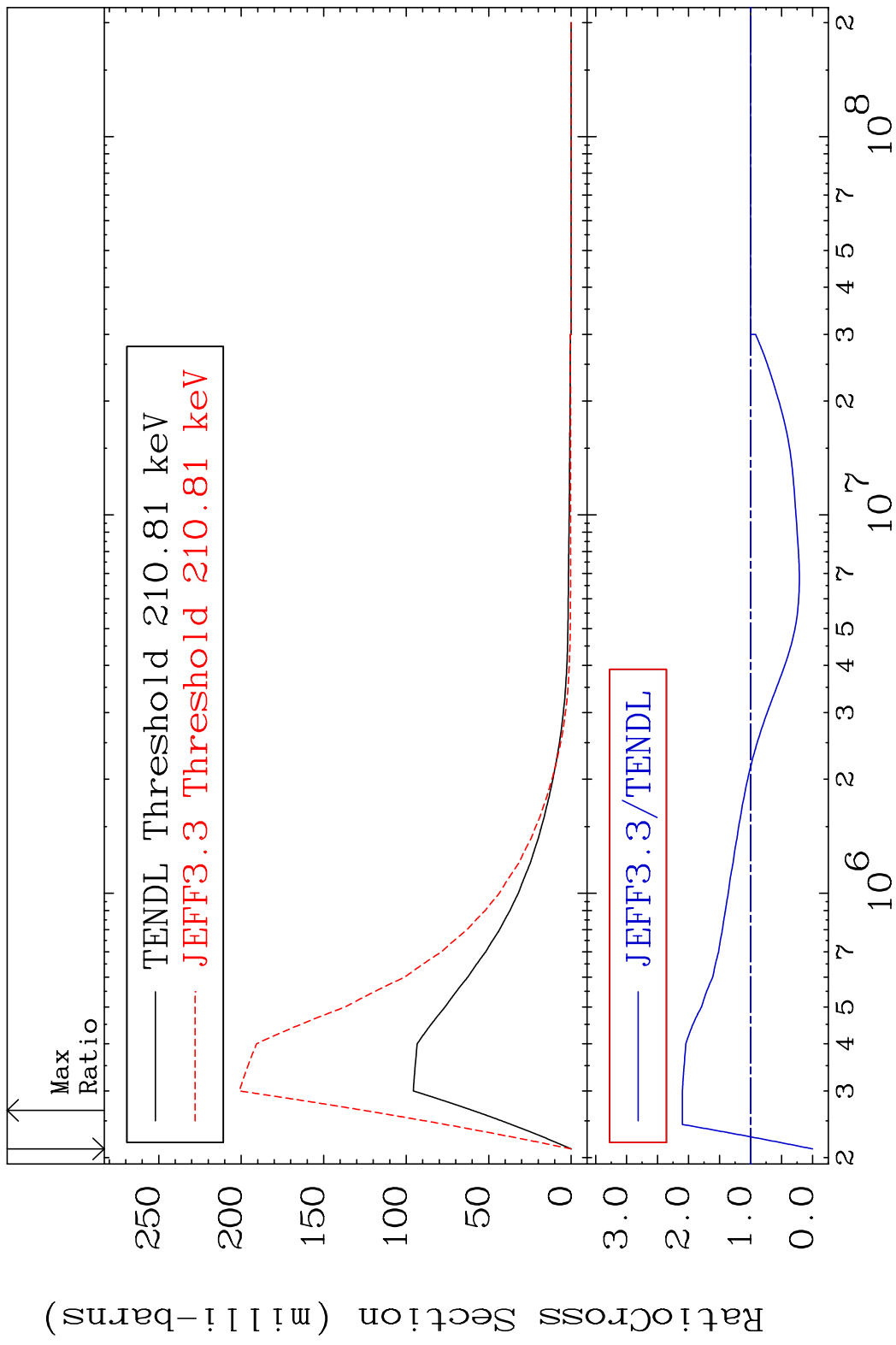
MAT 4522 MT= 58 (n,n') Level 45-Rh-102
 Cross Section -100.0 To 371.2 %



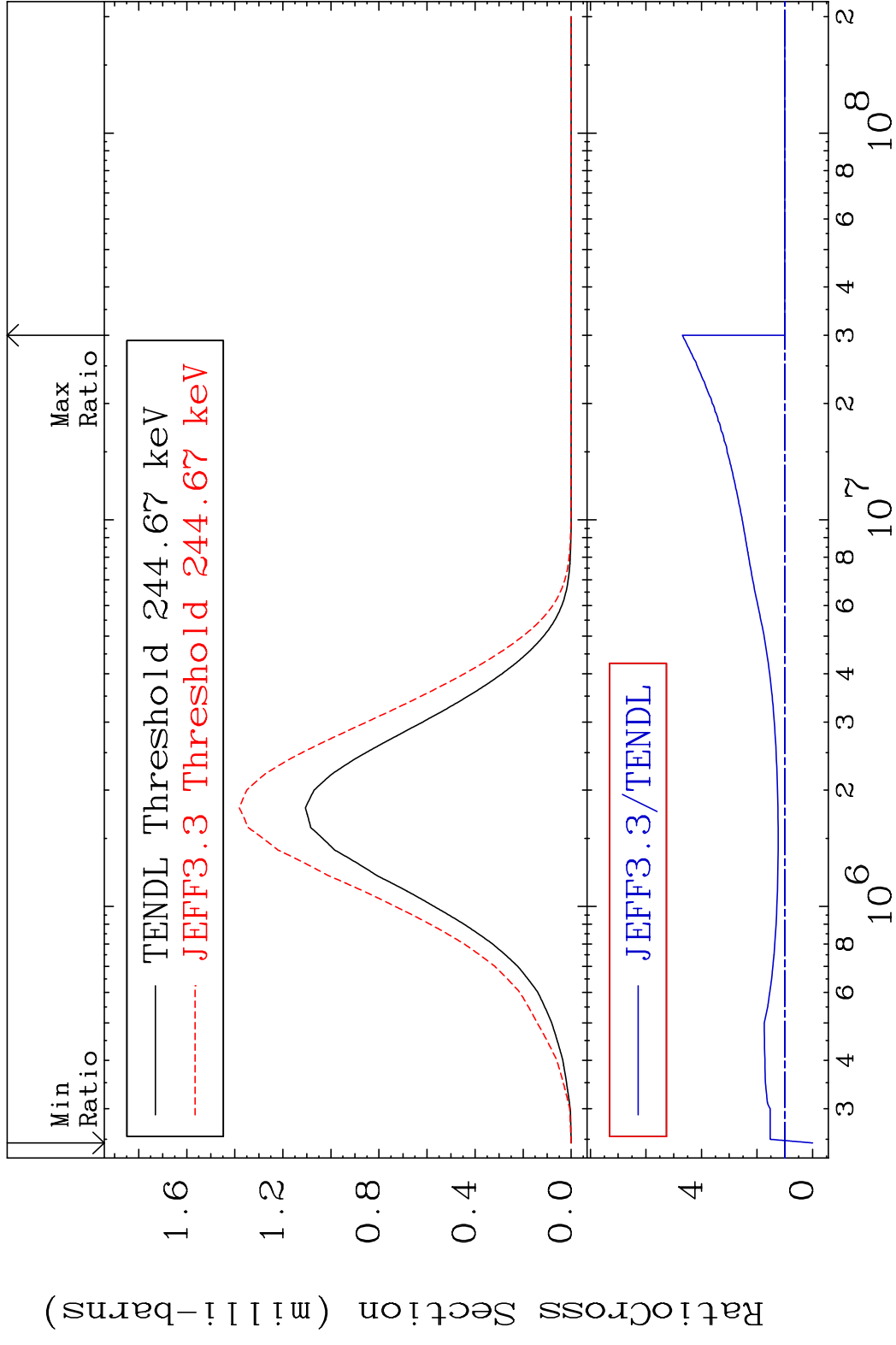
MAT 4522 MT= 59 (n, n') Level 45-Rh-102
 Cross Section -100.0 To 9999. %



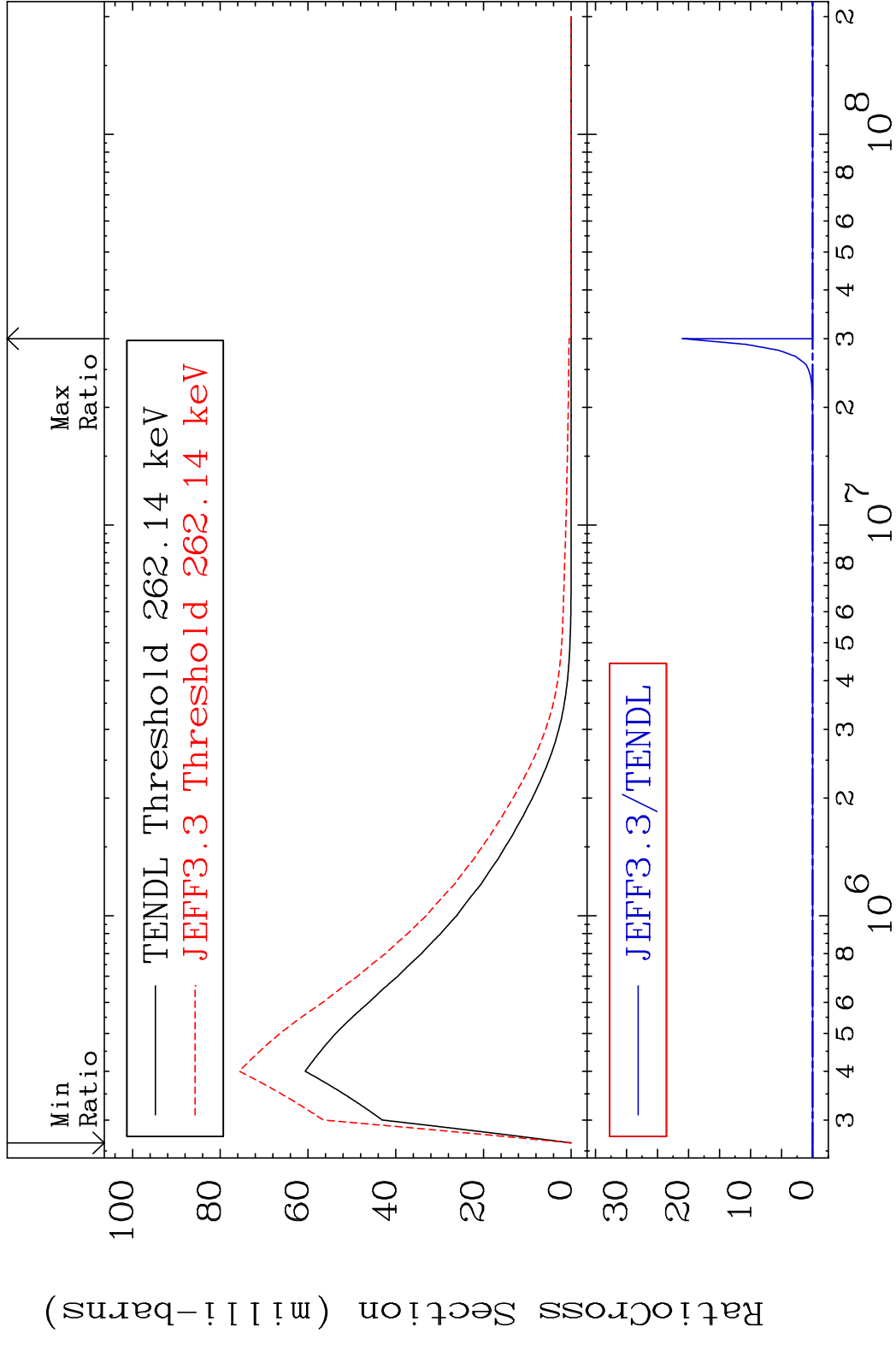
MAT 4522 MT= 60 (n,n') Level 45-Rh-102
 Cross Section -100.0 To 110.1 %



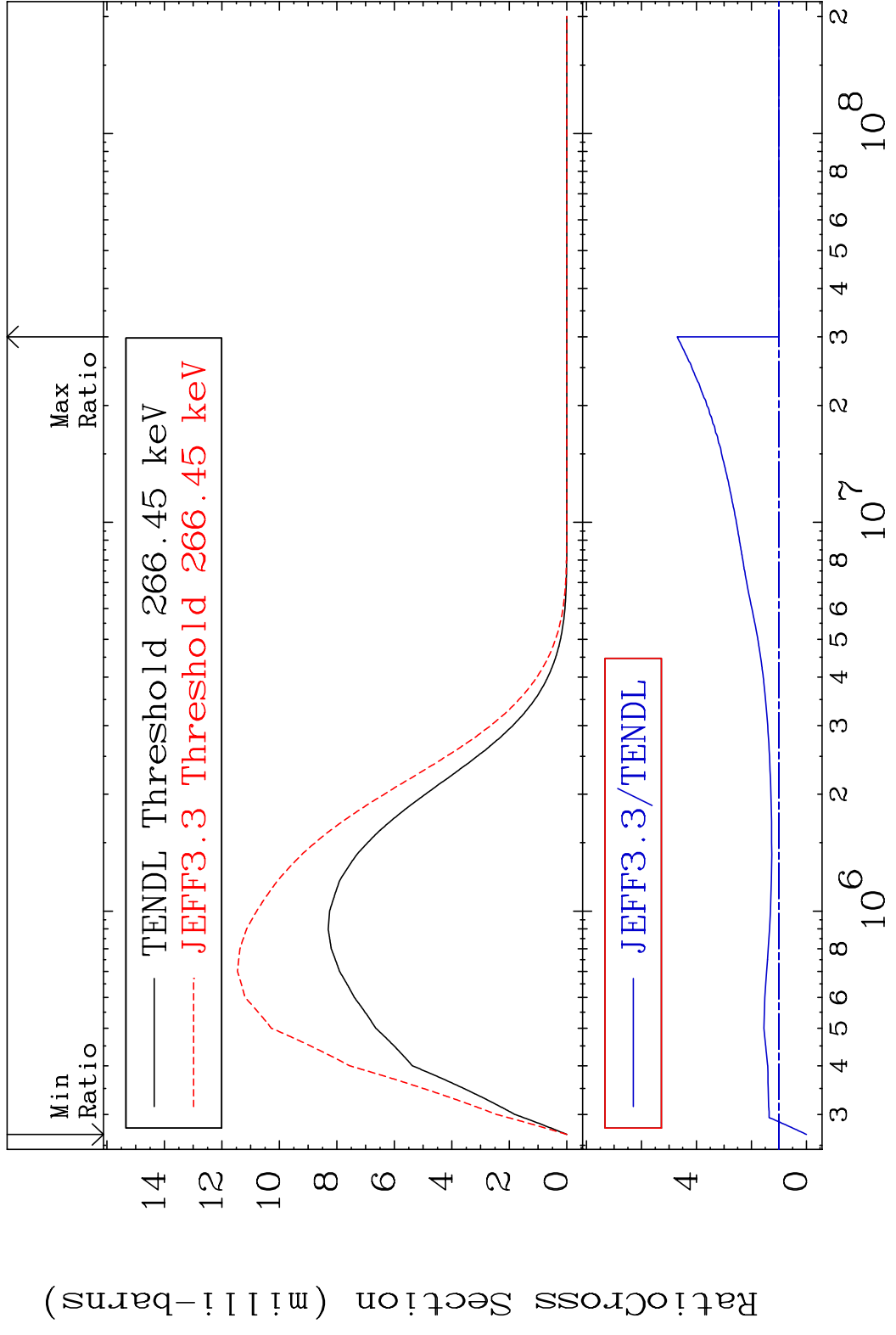
MAT 4522 MT= 61 (n, n') Level 45-Rh-102
 Cross Section -100.0 To 368.9 %



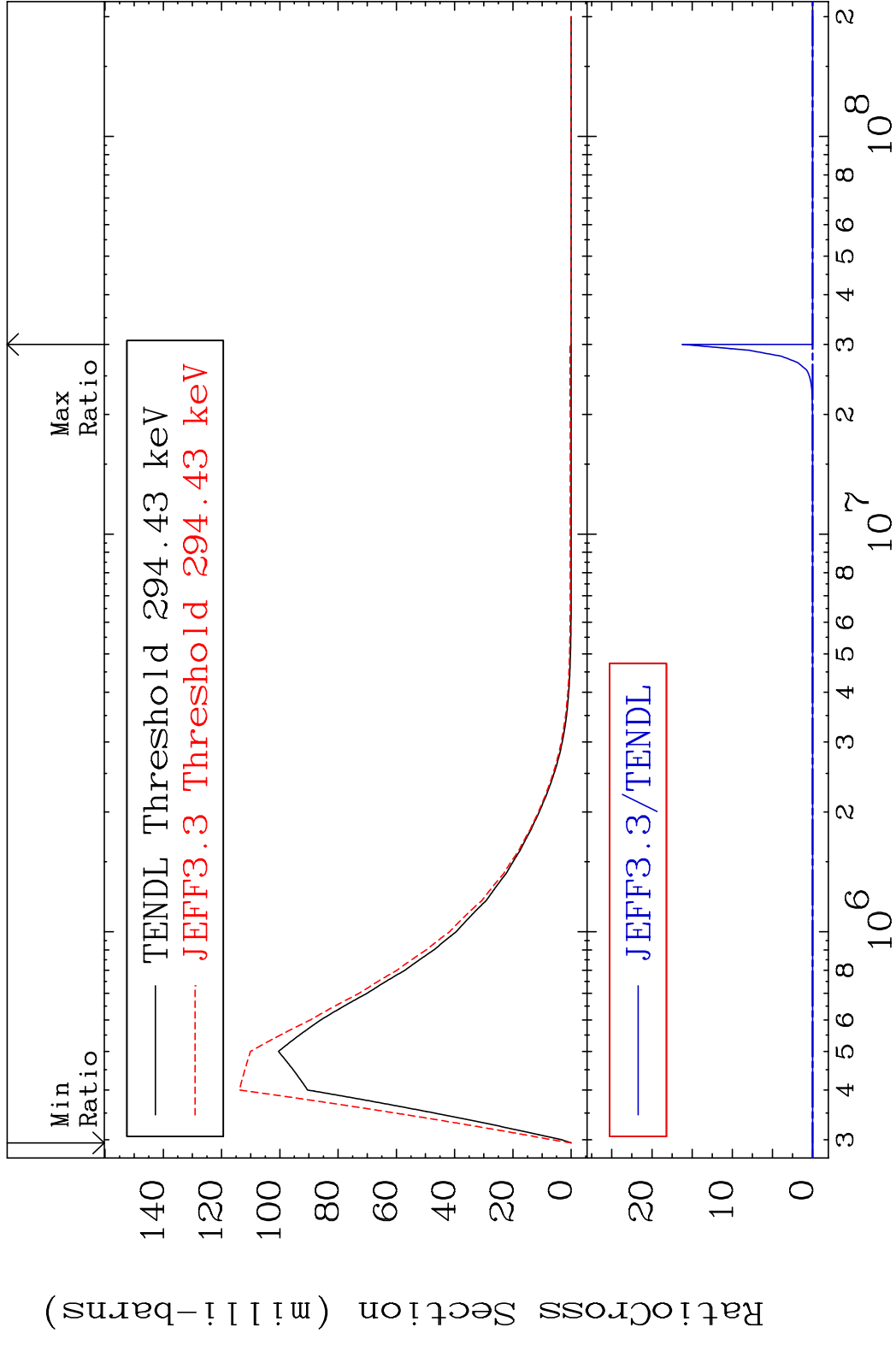
MAT 4522 MT= 62 (n, n') Level 45-Rh-102
 Cross Section -100.0 To 9999. %



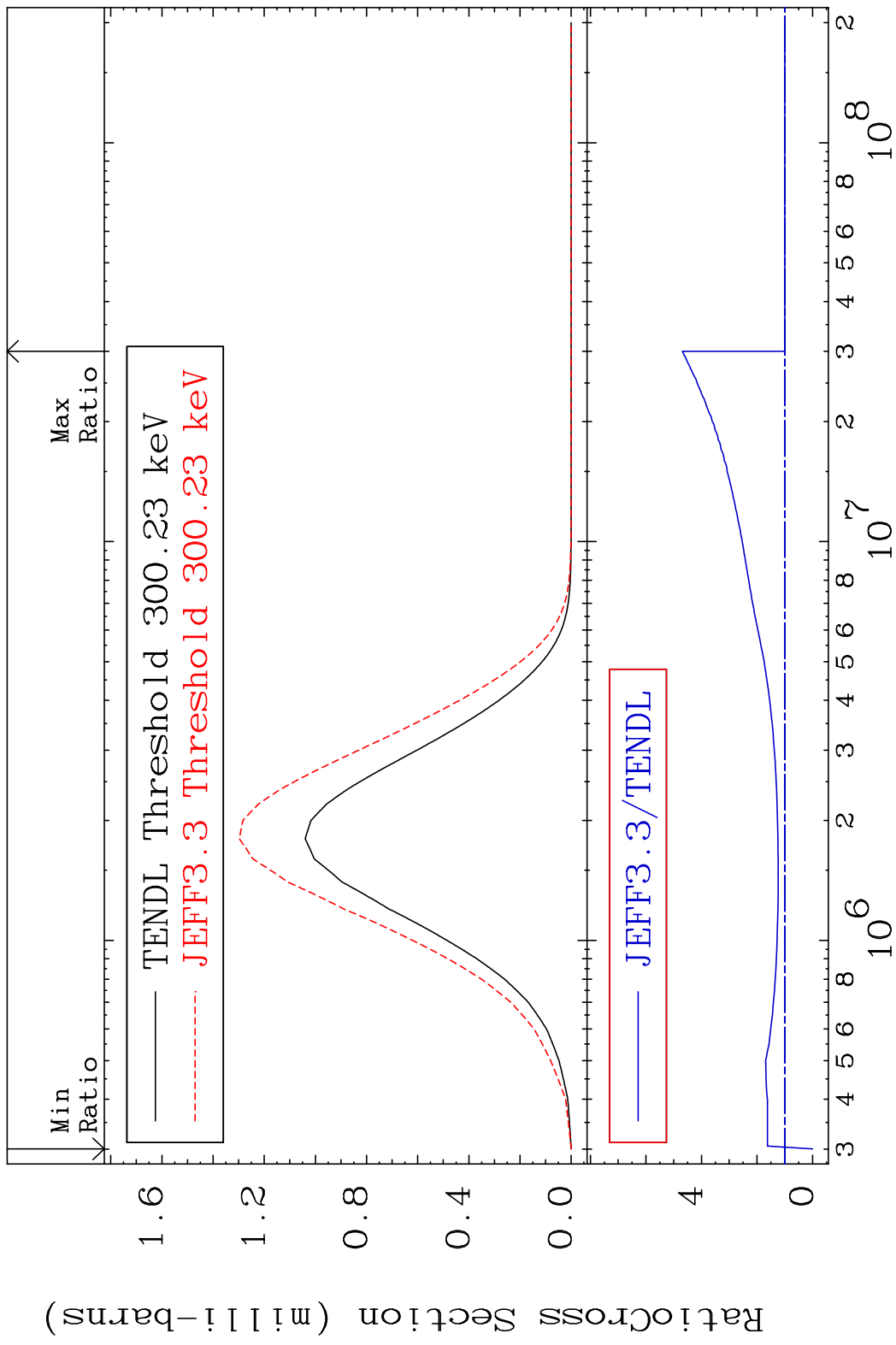
MAT 4522 MT= 63 (n, n') Level 45-Rh-102
 Cross Section -100.0 To 370.2 %



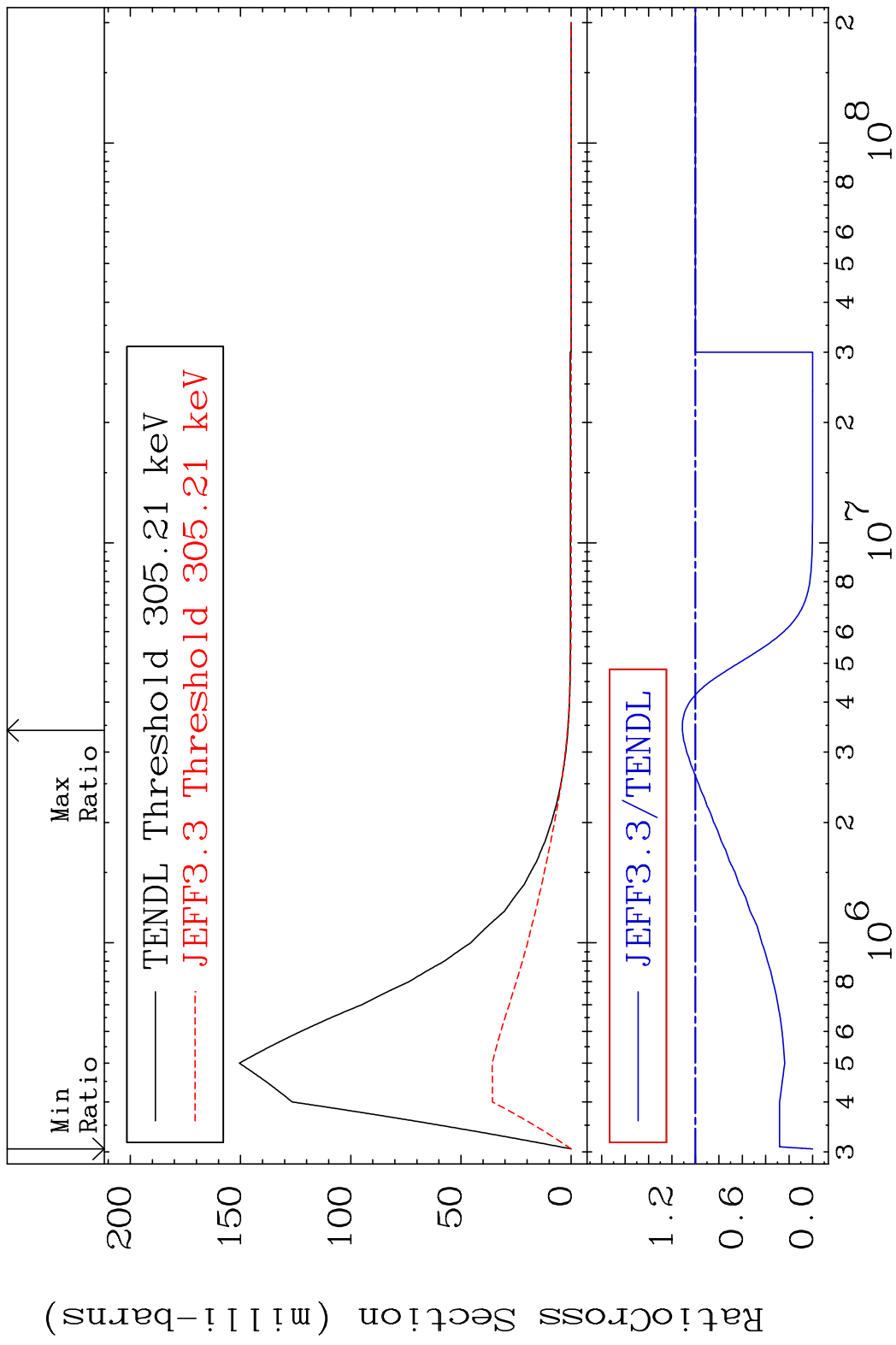
MAT 4522 MT= 64 (n,n') Level 45-Rh-102
 Cross Section -100.0 To 9999. %



MAT 4522 MT= 65 (n,n') Level 45-Rh-102
 Cross Section -100.0 To 368.9 %

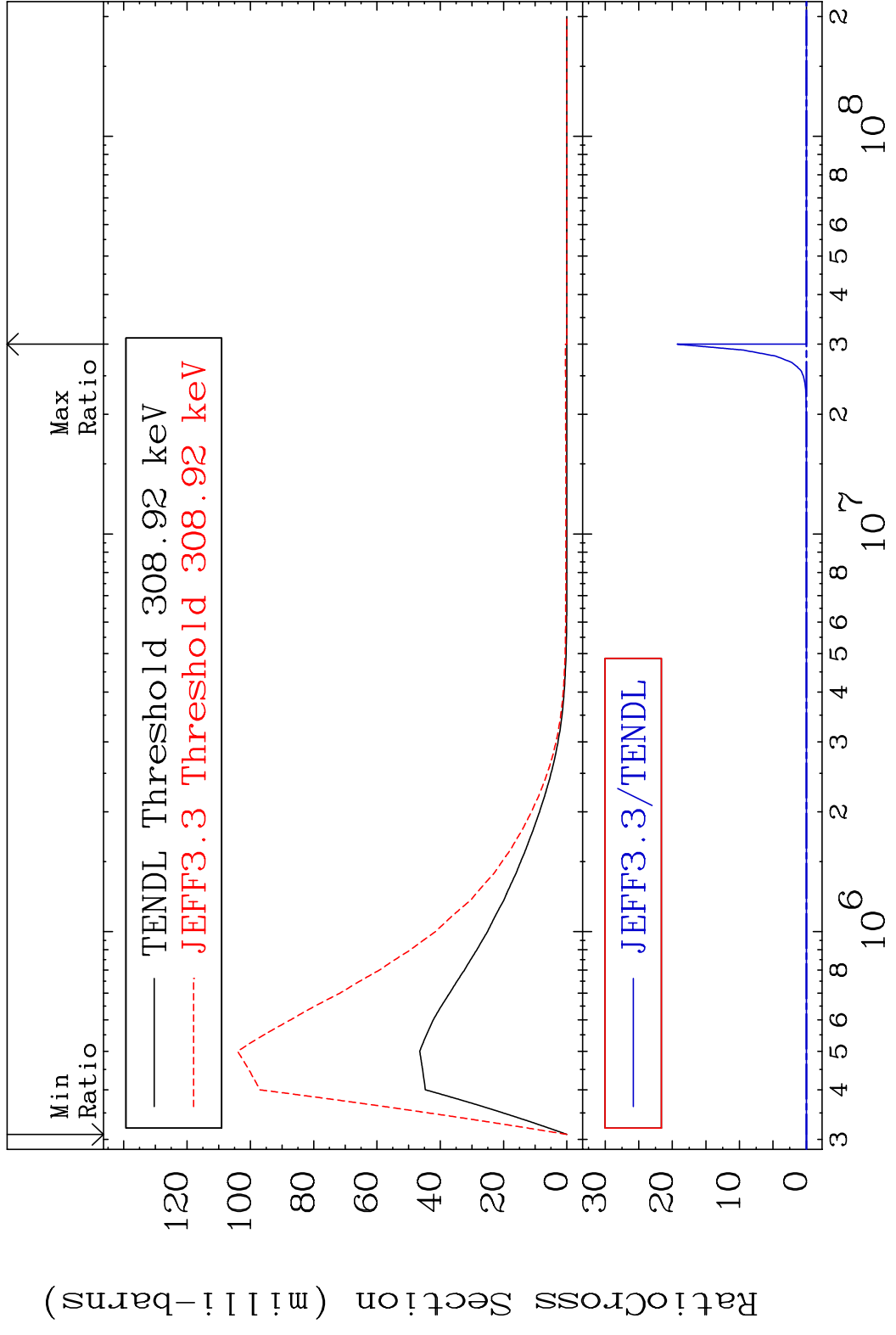


MAT 4522 MT= 66 (n, n') Level 45-Rh-102
 Cross Section -100.0 To 11.15 %

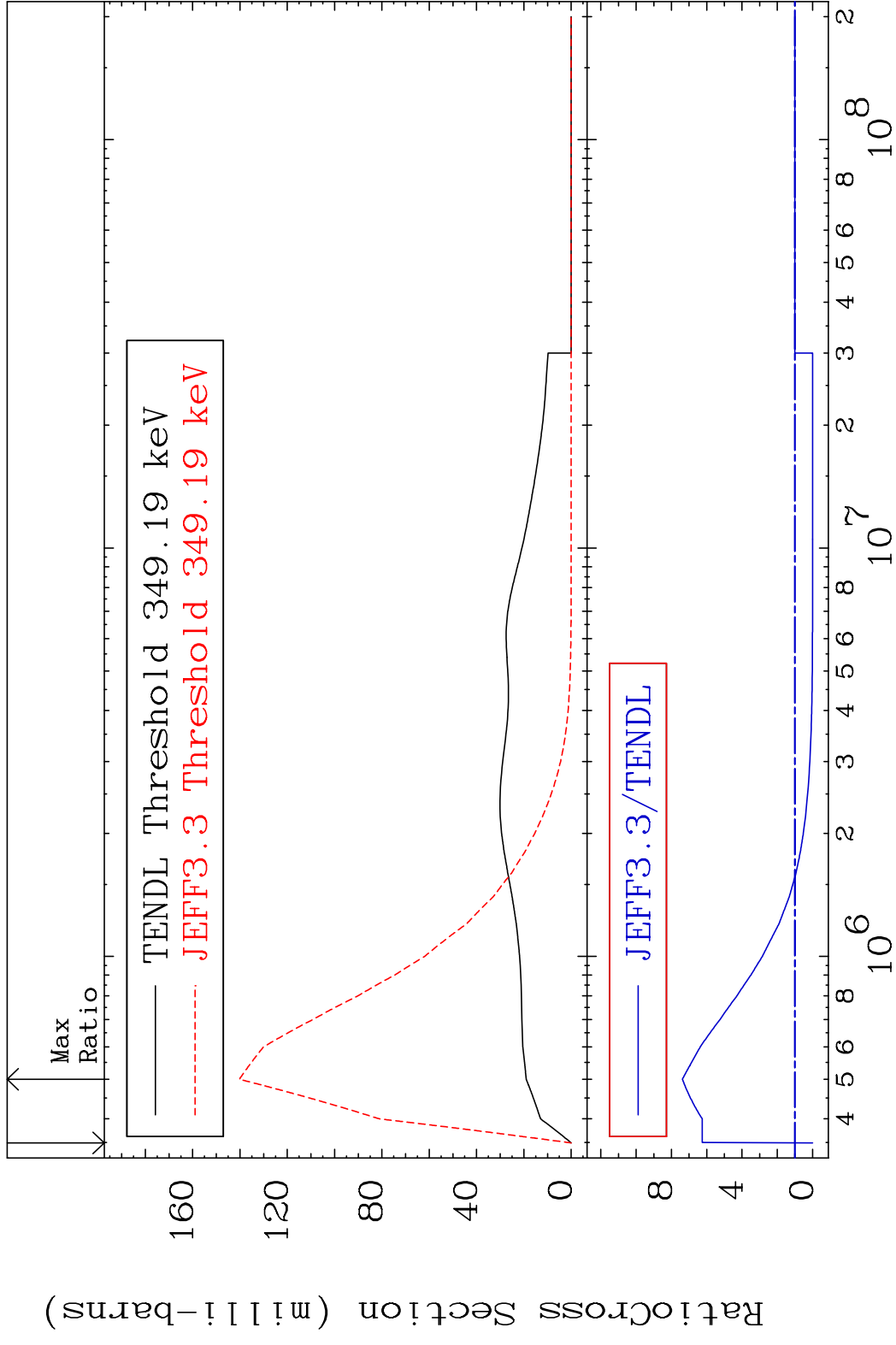


35 Incident Energy (eV) 45-Rh-102

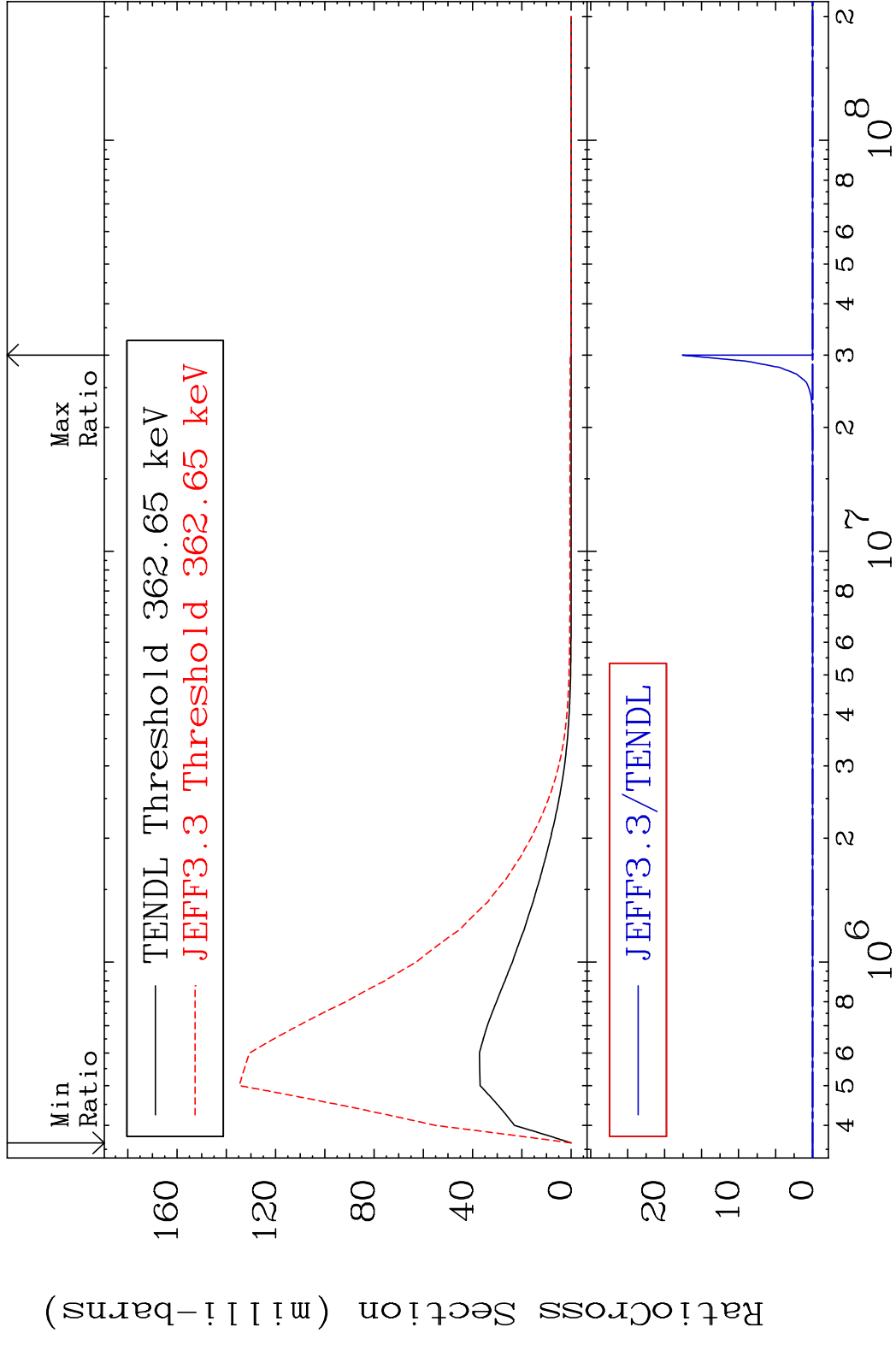
MAT 4522 MT= 67 (n, n') Level 45-Rh-102
 Cross Section -100.0 To 9999. %



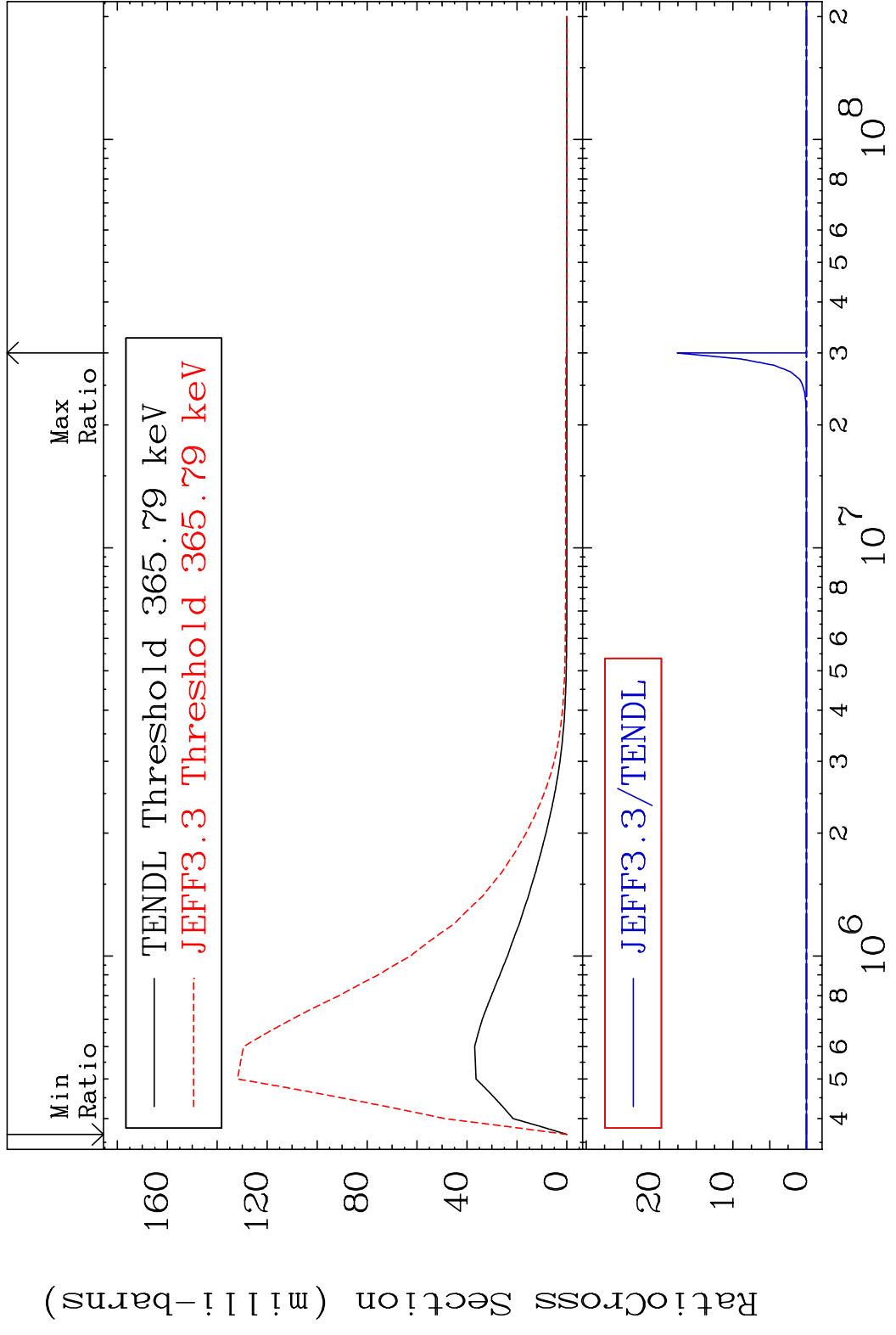
MAT 4522 MT= 68 (n, n') Level 45-Rh-102
 Cross Section -100.0 To 638.0 %



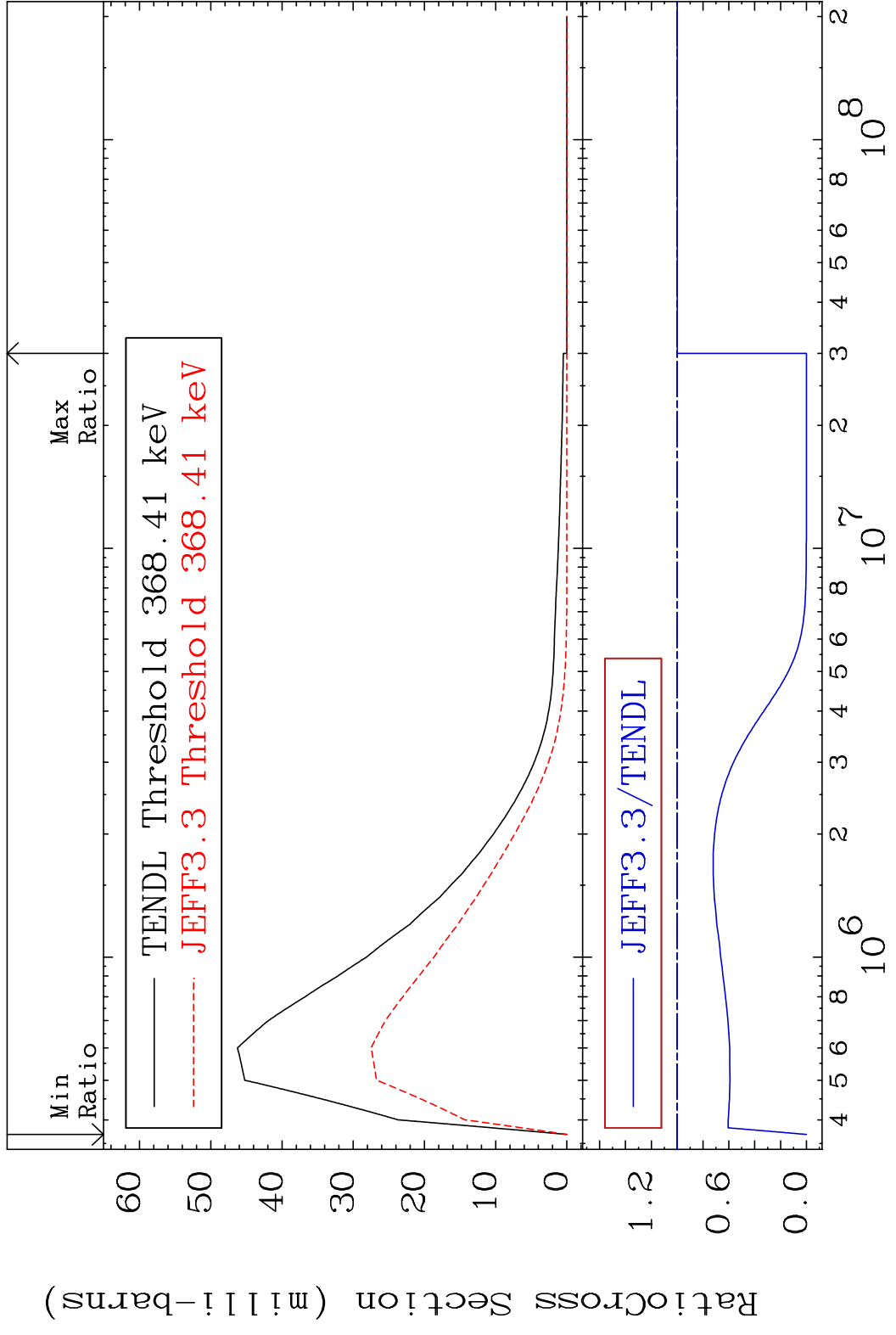
MAT 4522 MT= 69 (n, n') Level 45-Rh-102
 Cross Section -100.0 To 9999. %



MAT 4522 MT= 70 (n, n') Level 45-Rh-102
 Cross Section -100.0 To 9999. %

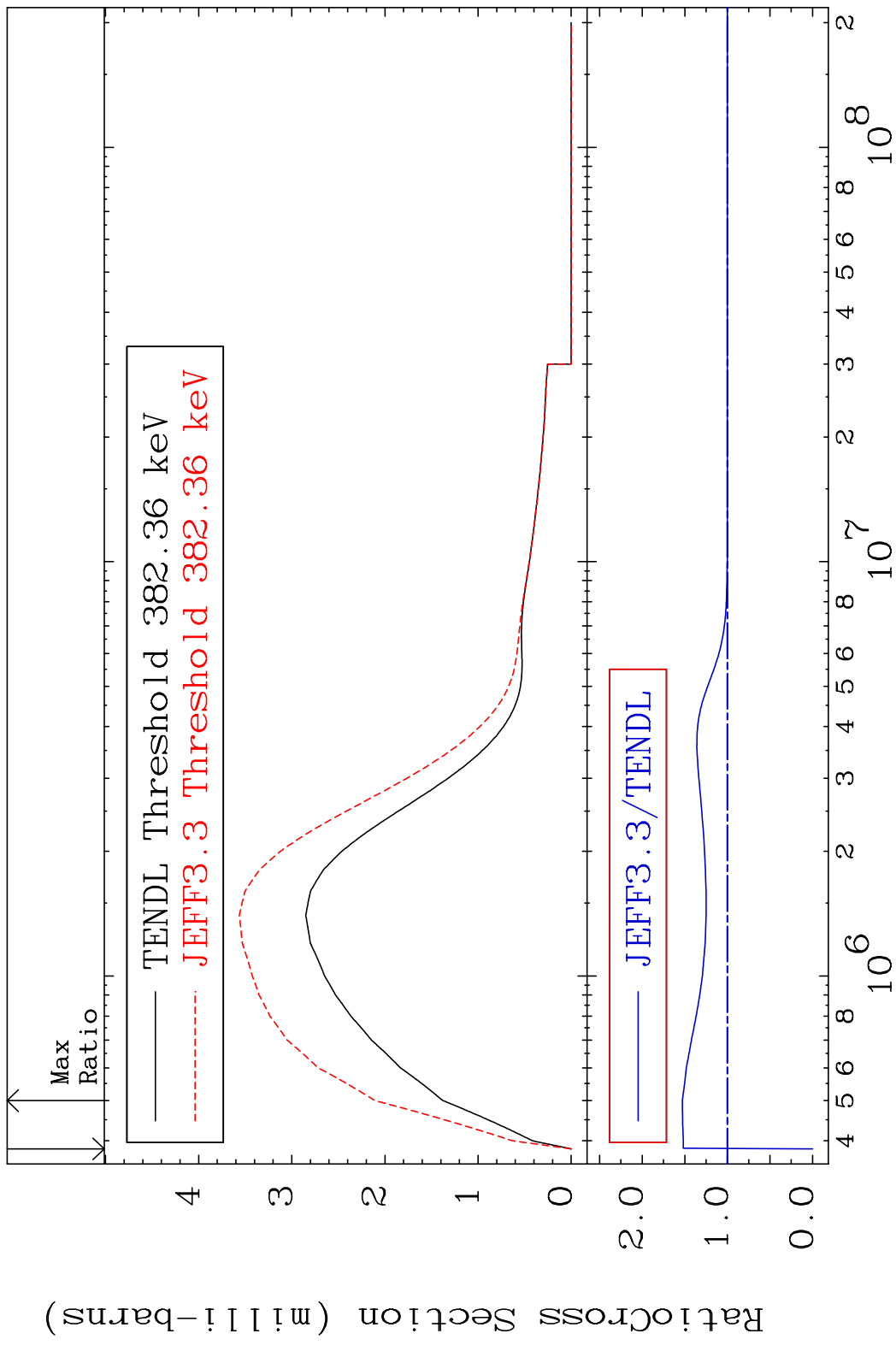


MAT 4522 MT= 71 (n, n') Level 45-Rh-102
 Cross Section -100.0 To 0.000 %

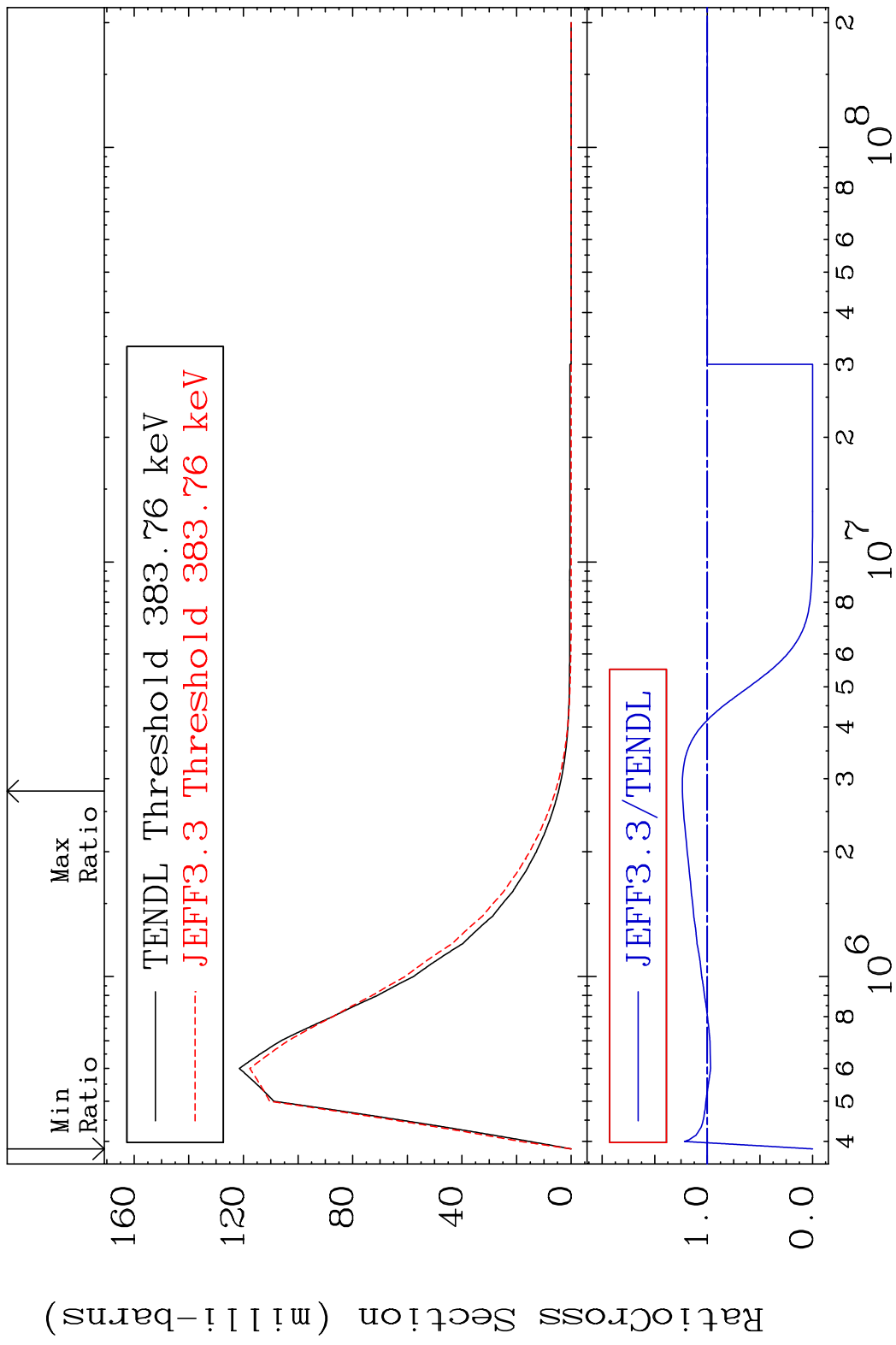


40 40 45-Rh-102

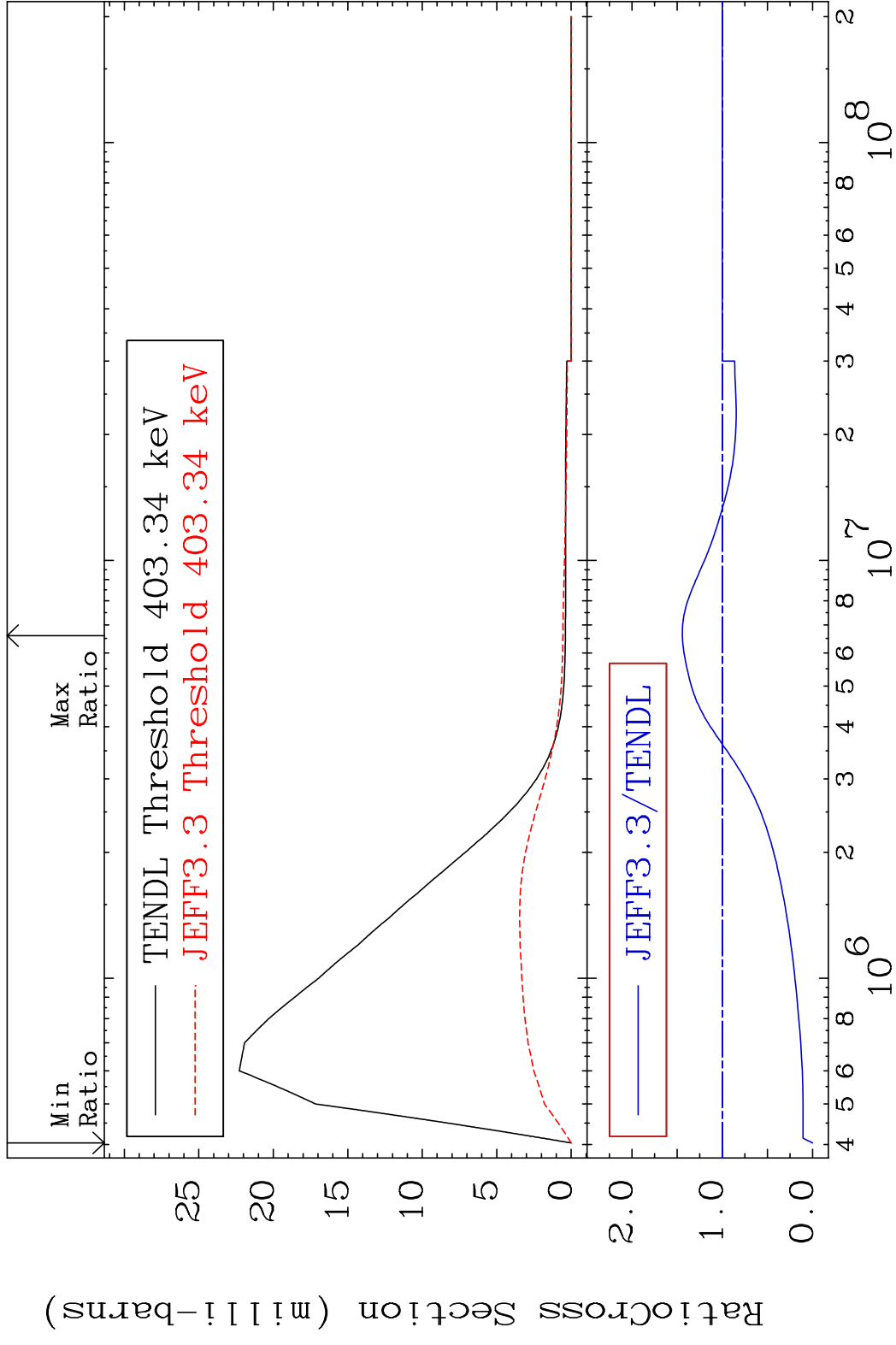
MAT 4522 MT= 72 (n,n') Level 45-Rh-102
 Cross Section -100.0 To 52.87 %



MAT 4522 MT= 73 (n, n') Level 45-Rh-102
 Cross Section -100.0 To 23.73 %

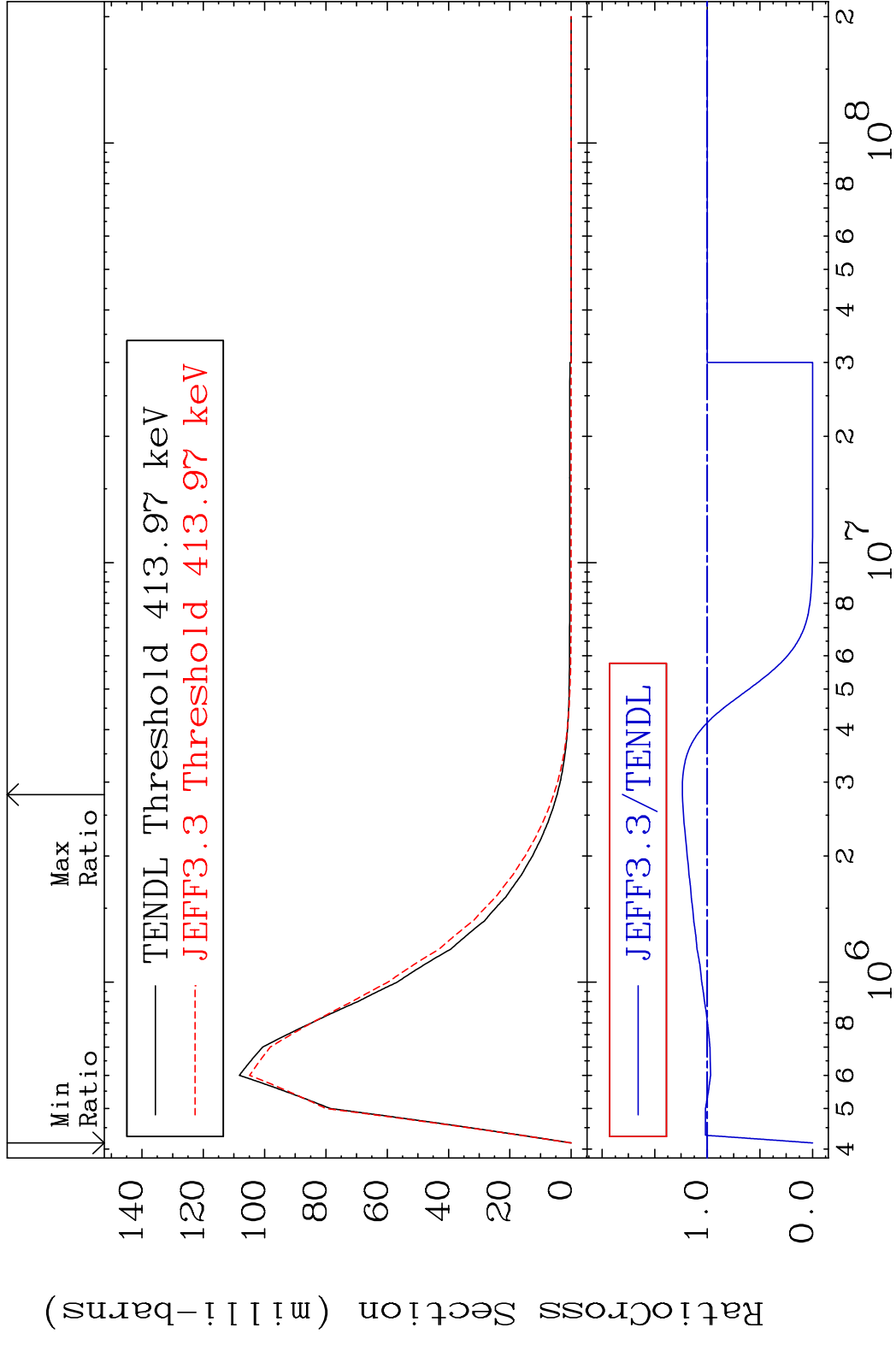


MAT 4522 MT= 74 (n, n') Level 45-Rh-102
 Cross Section -100.0 To 44.25 %

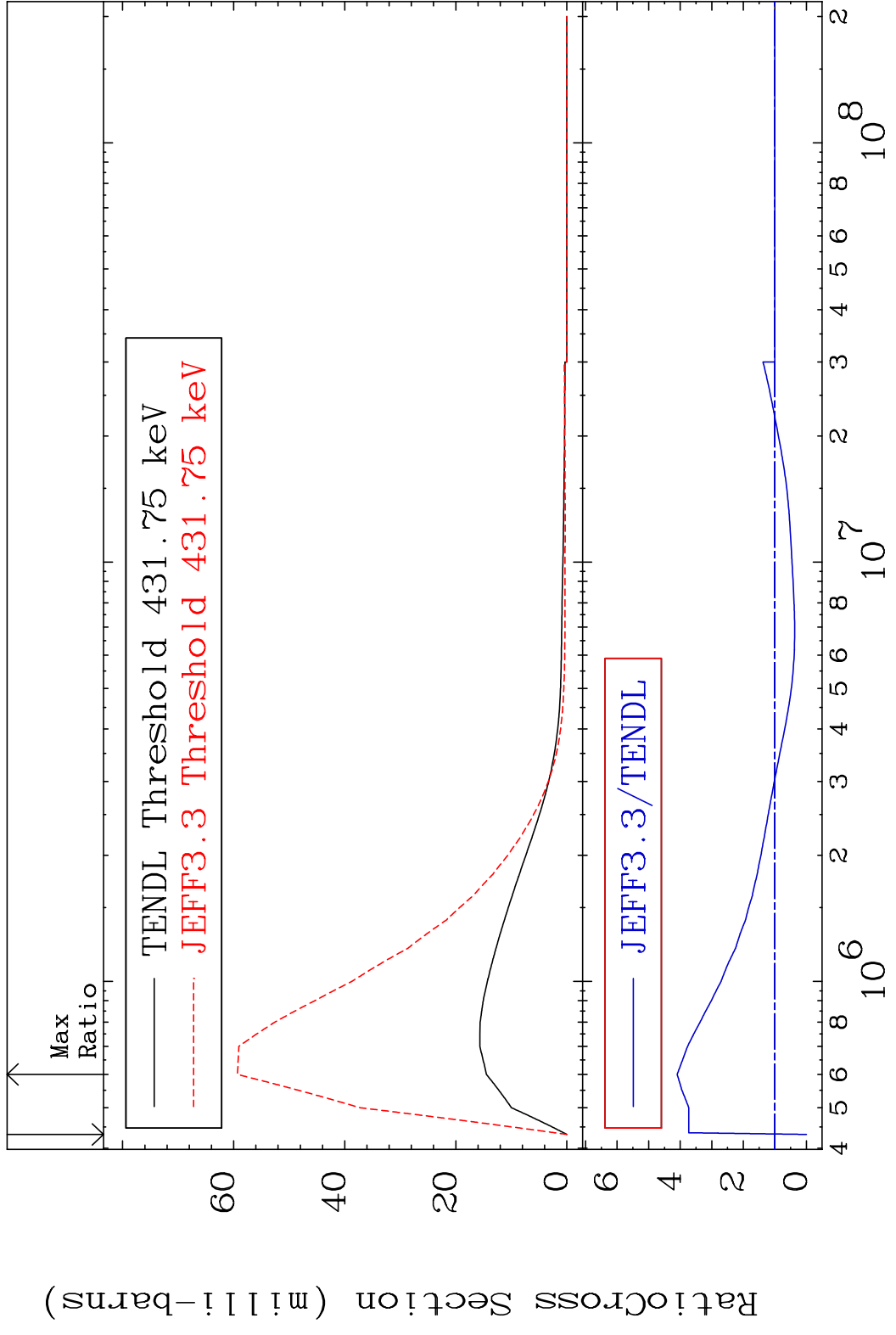


43 Incident Energy (eV) 45-Rh-102

MAT 4522 MT= 75 (n,n') Level 45-Rh-102
 Cross Section -100.0 To 23.75 %

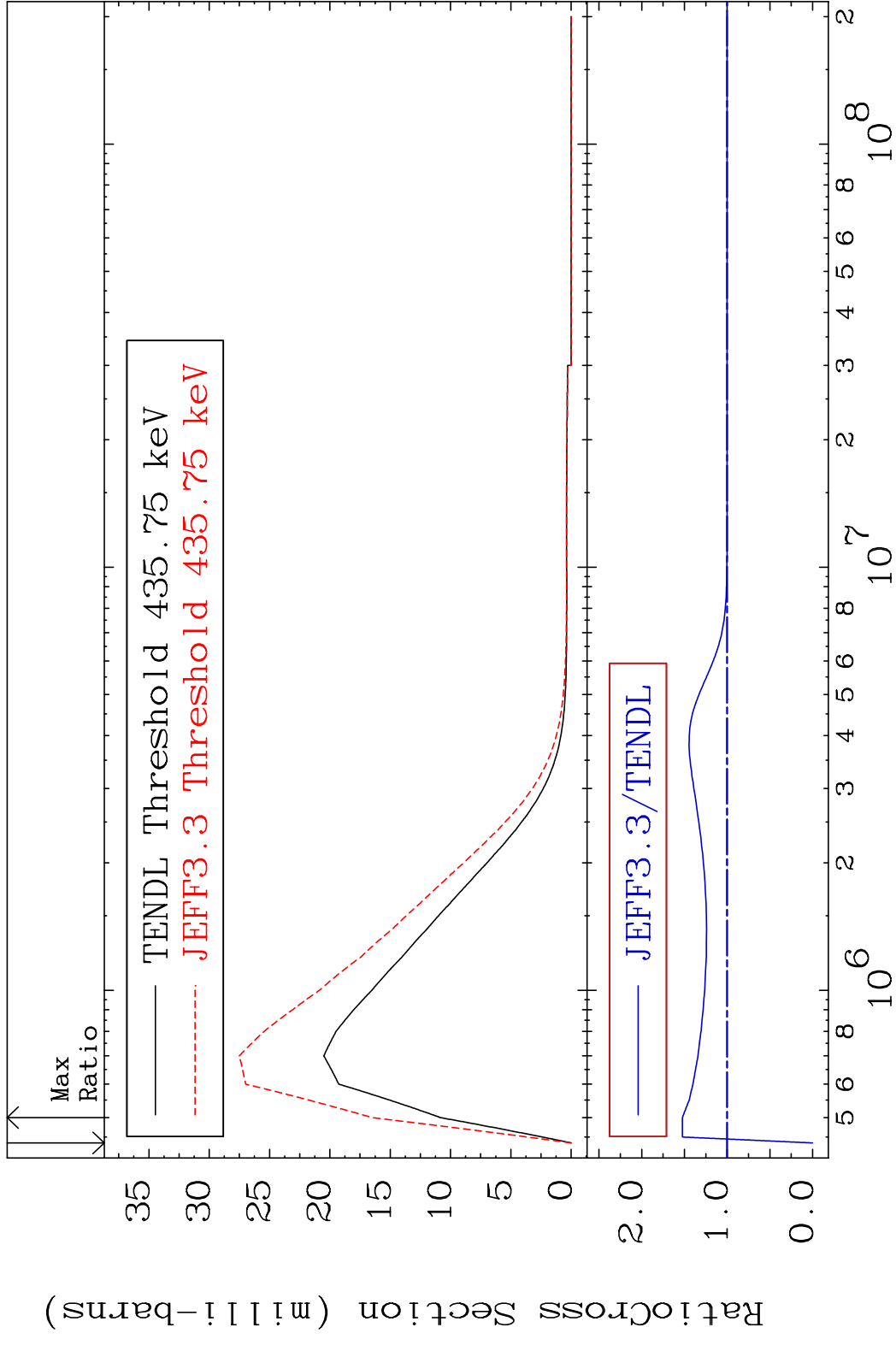


MAT 4522 MT= 76 (n,n') Level 45-Rh-102
 Cross Section -100.0 To 309.6 %

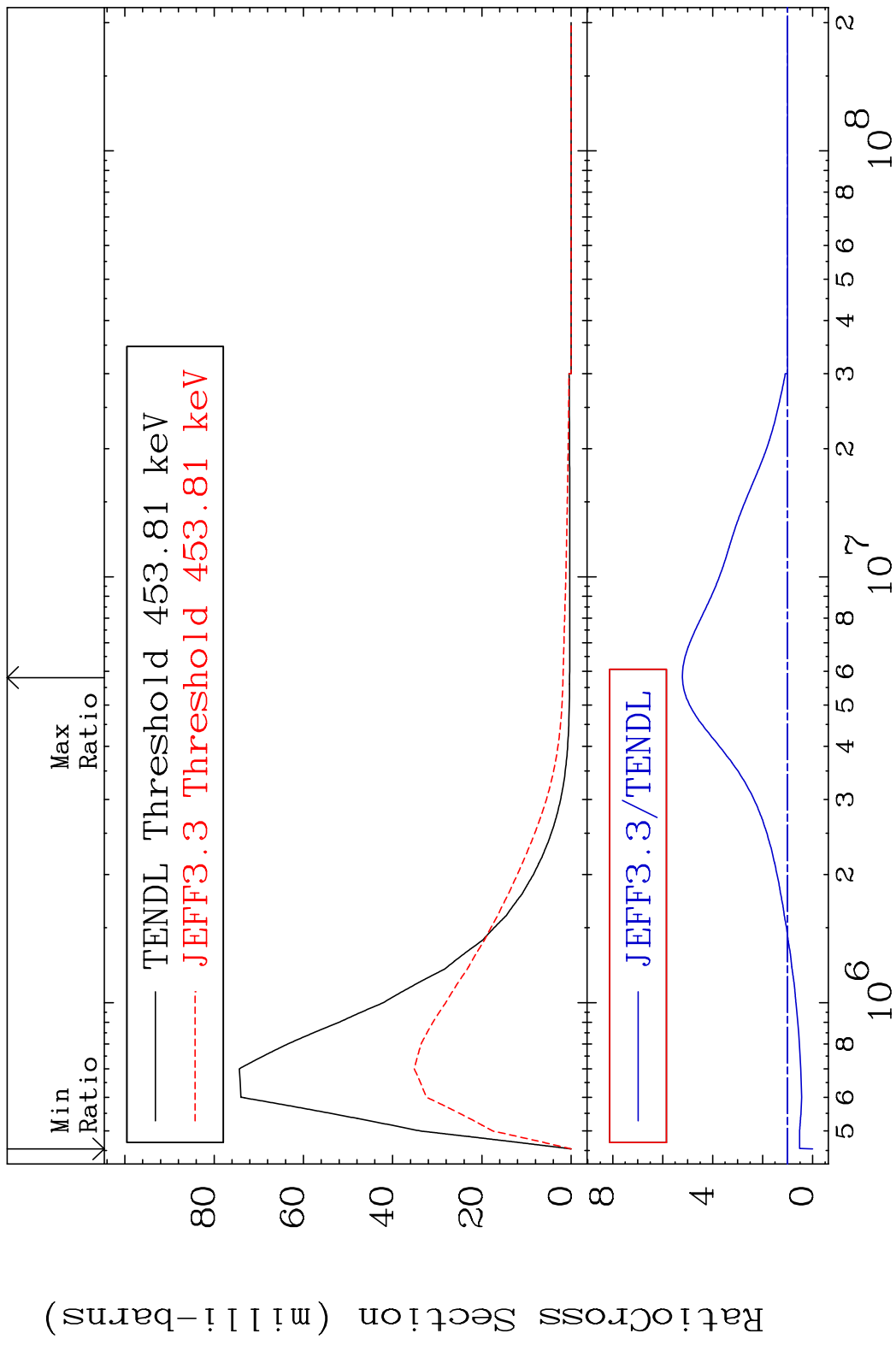


45 Incident Energy (eV) 45-Rh-102

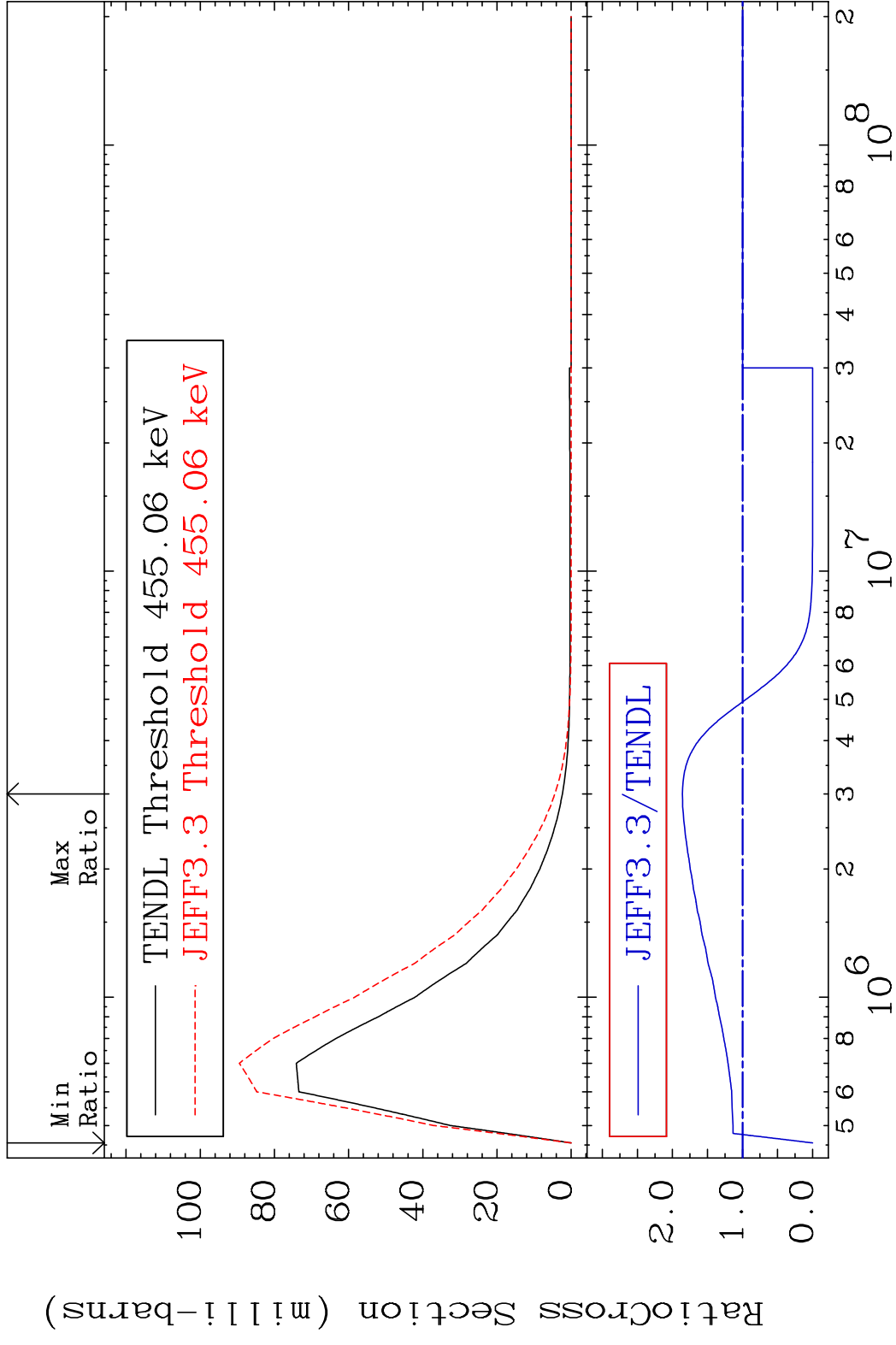
MAT 4522 MT= 77 (n, n') Level 45-Rh-102
 Cross Section -100.0 To 52.43 %



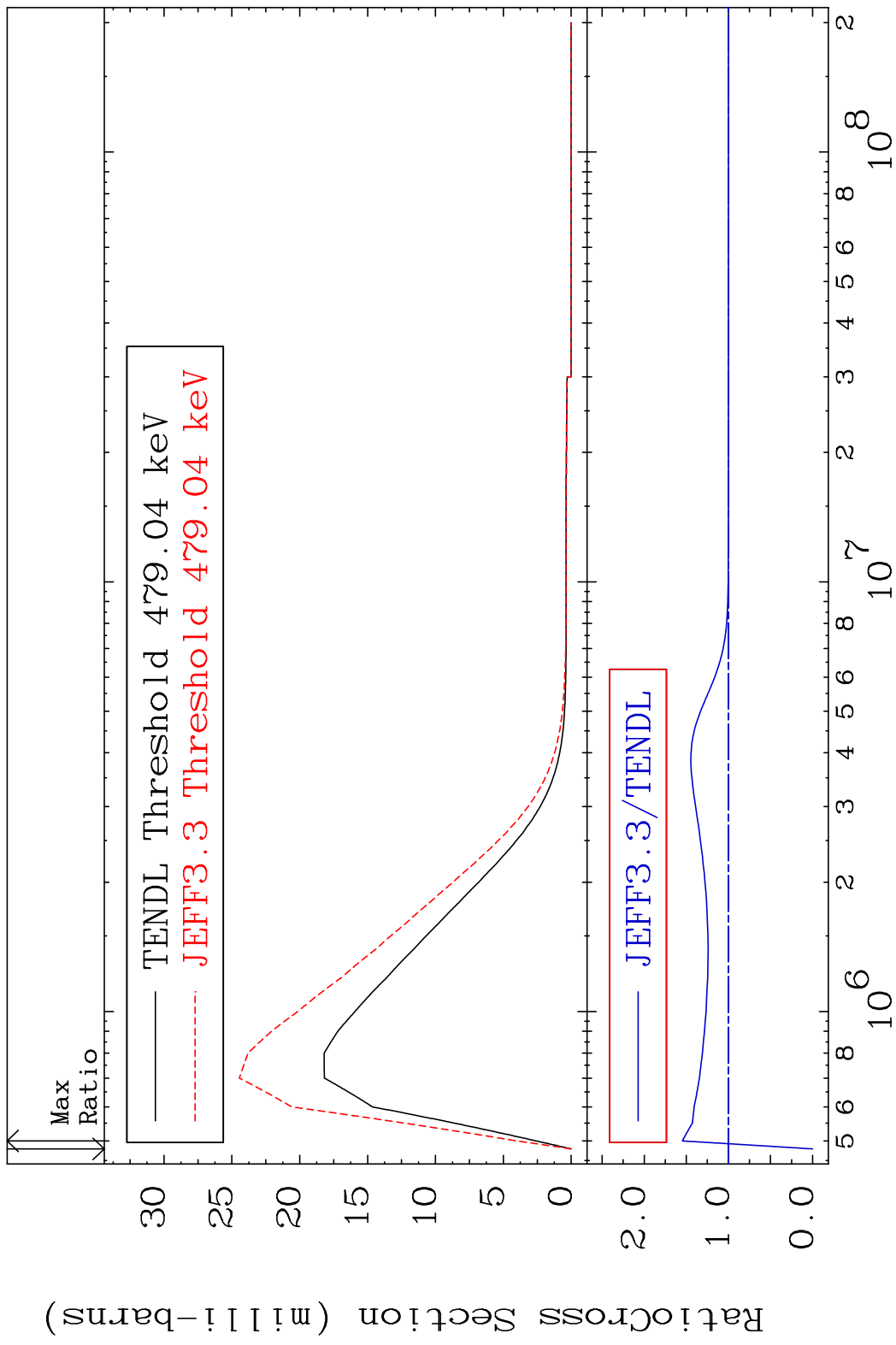
MAT 4522 MT= 78 (n, n') Level 45-Rh-102
 Cross Section -100.0 To 421.3 %



MAT 4522 MT= 79 (n, n') Level 45-Rh-102
 Cross Section -100.0 To 85.88 %

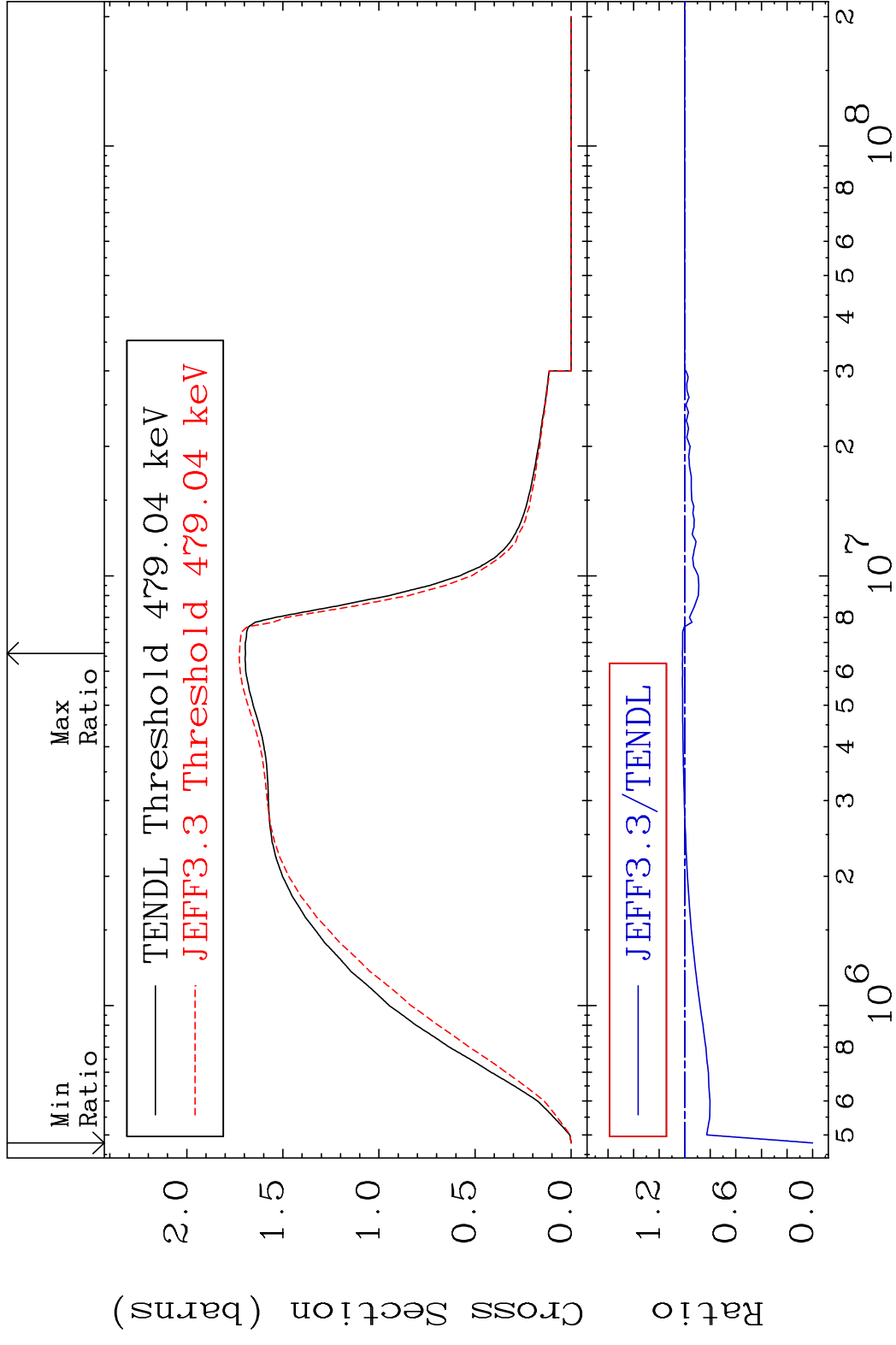


MAT 4522 MT= 80 (n, n') Level 45-Rh-102
 Cross Section -100.0 To 54.69 %



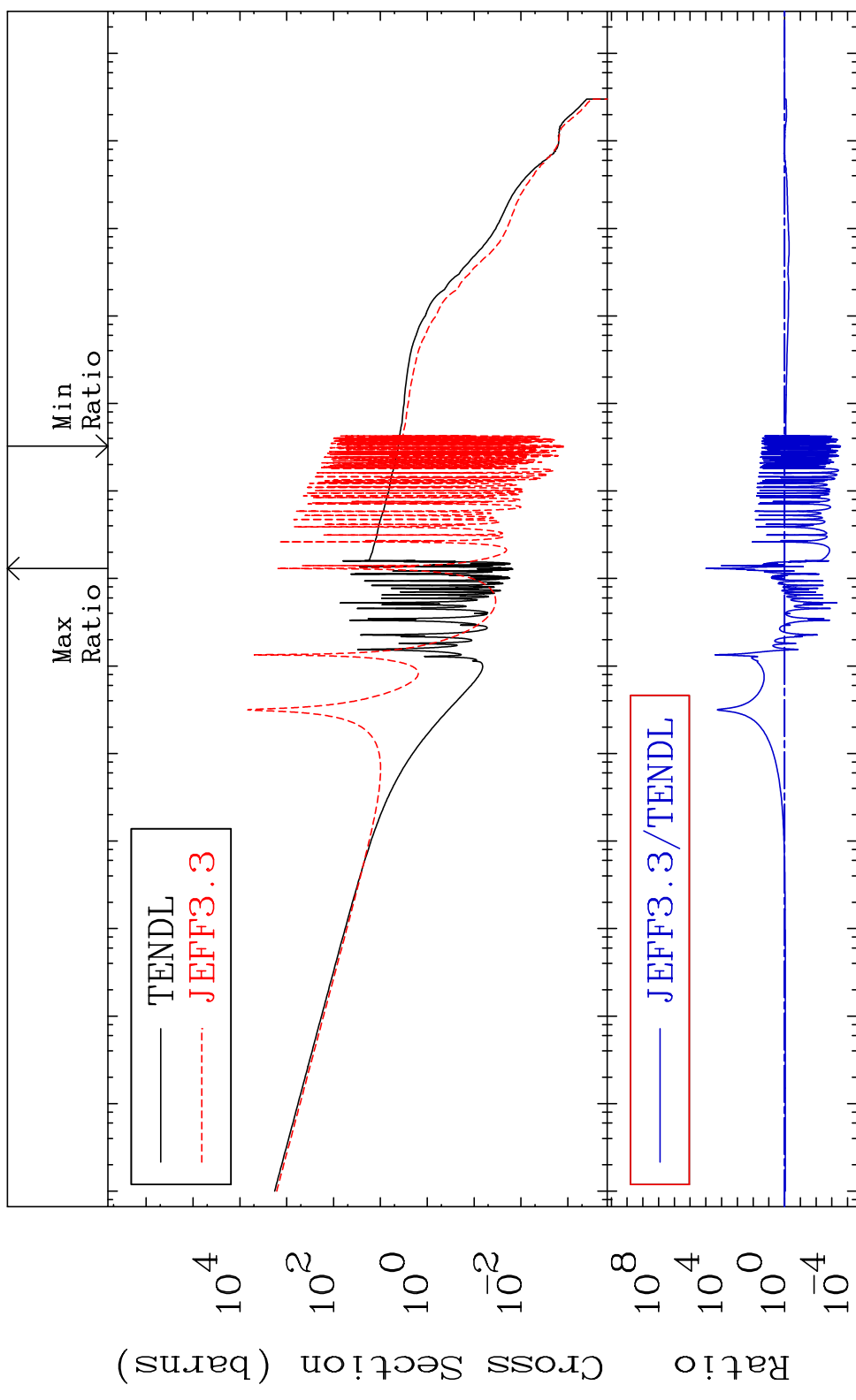
49 Incident Energy (eV) 45-Rh-102

MAT 4522 (n, n') Continuum 45-Rh-102
 Cross Section -100.0 To 1.865 %



MAT 4522

(n, γ)
Cross Section -99.97 To 9999. %
45-Rh-102



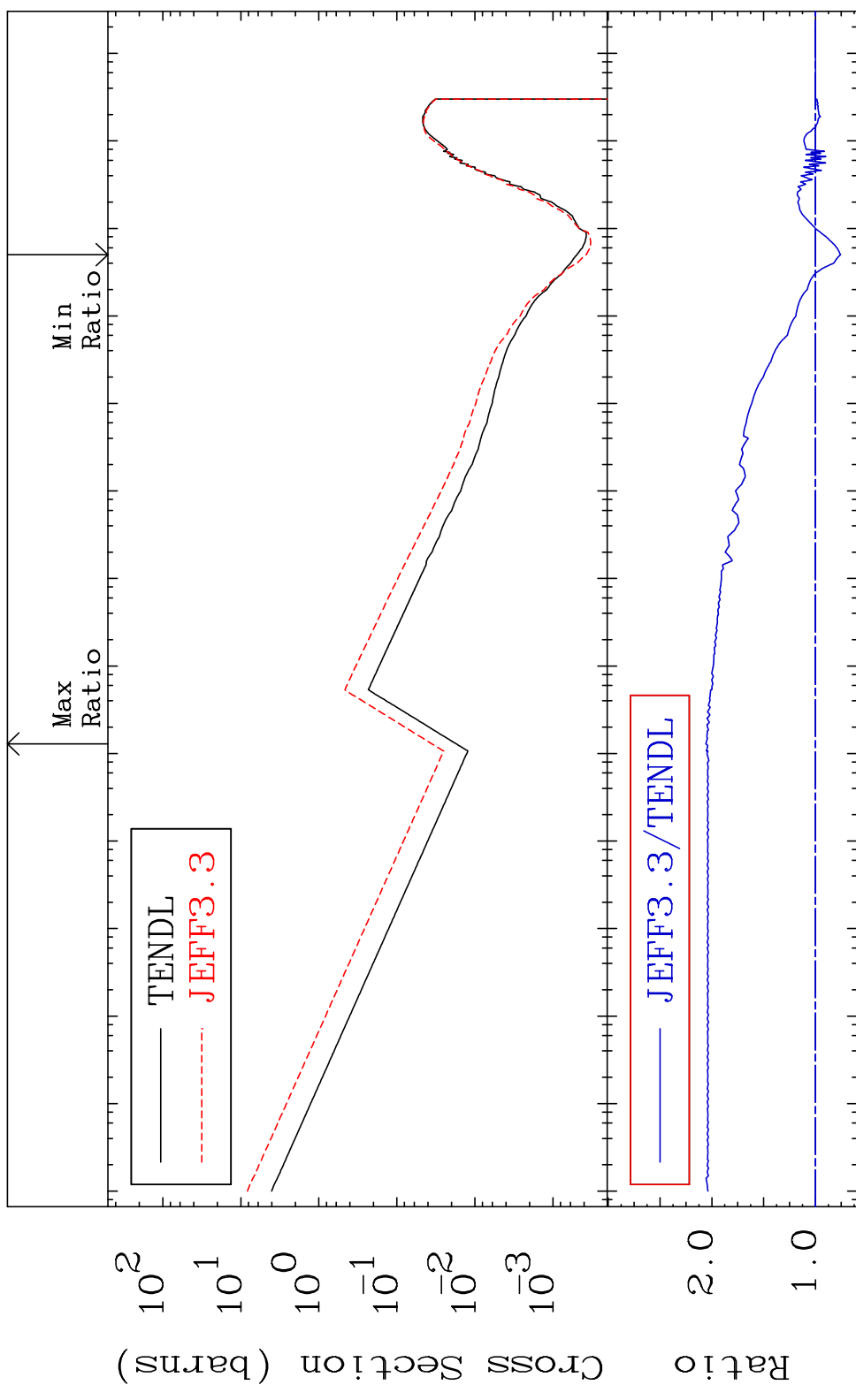
Ratio
10⁸
10⁴
10⁰
10⁻⁴
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

MAT 4522

(n, p)

45-Rh-102

Cross Section -24.15 To 105.9 %

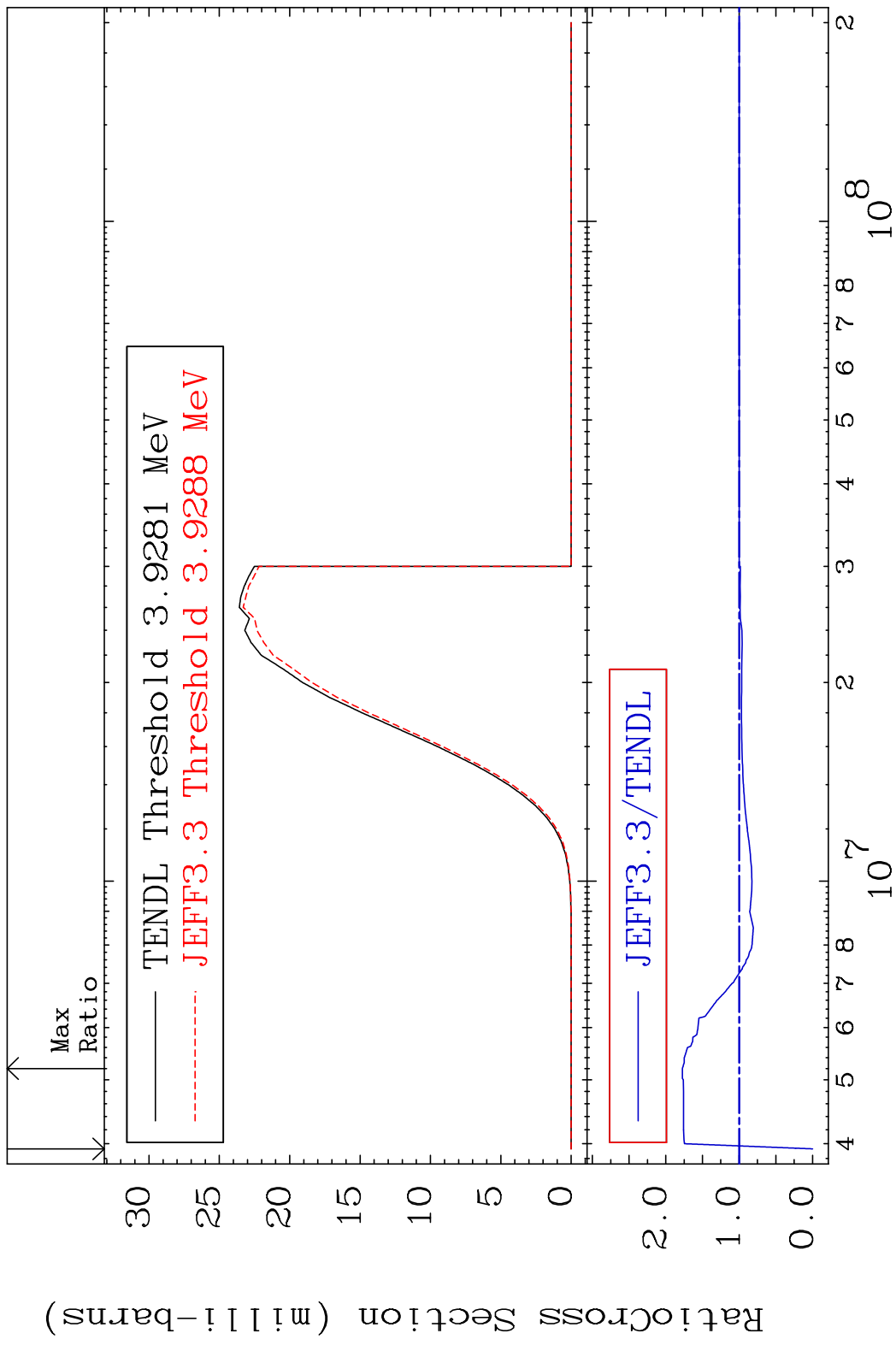


52

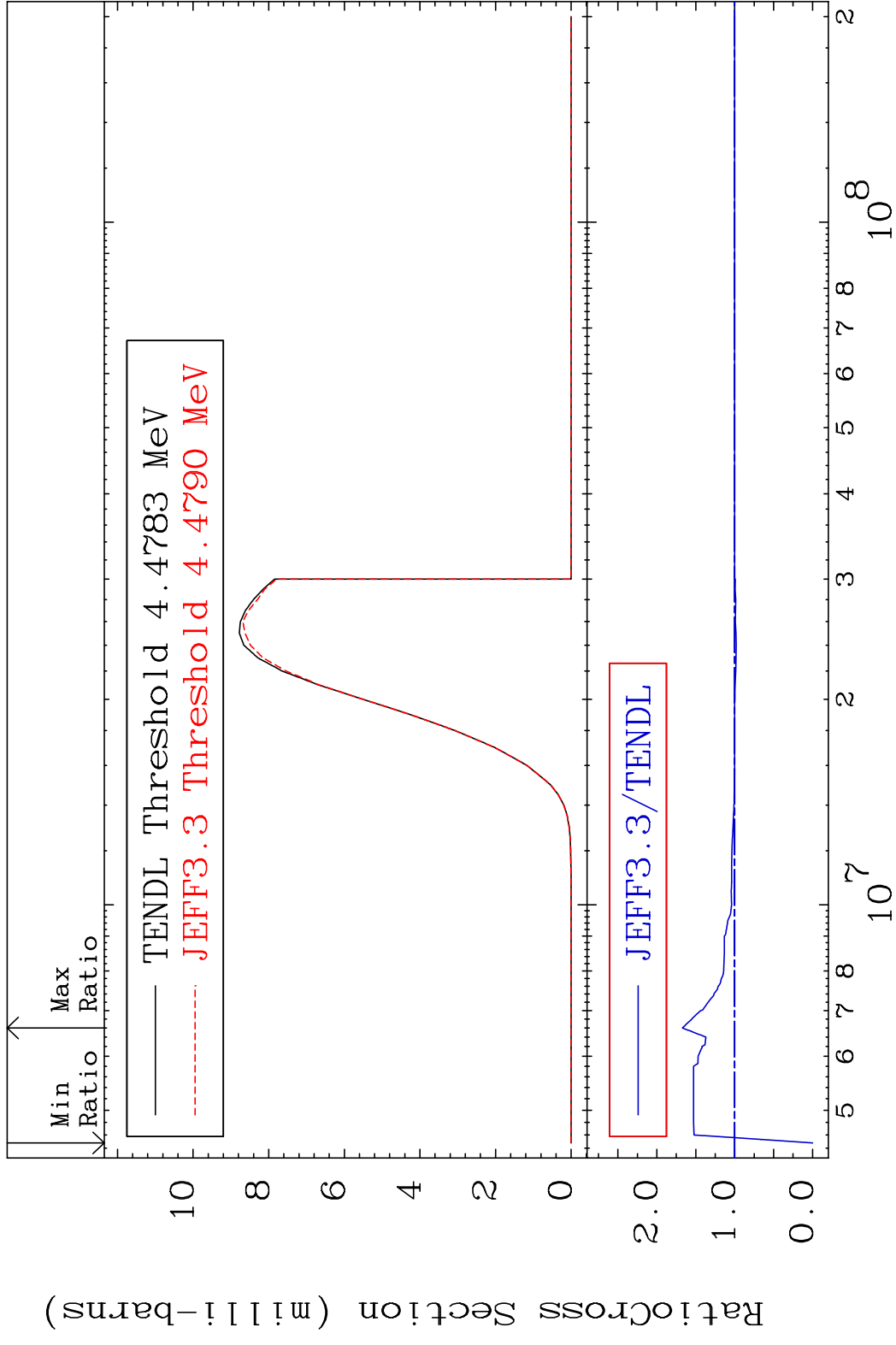
Incident Energy (eV)

45-Rh-102

MAT 4522 (n,d) 45-Rh-102
 Cross Section -100.0 To 77.39 %



MAT 4522 (n, t) 45-Rh-102
 Cross Section -100.0 To 67.26 %

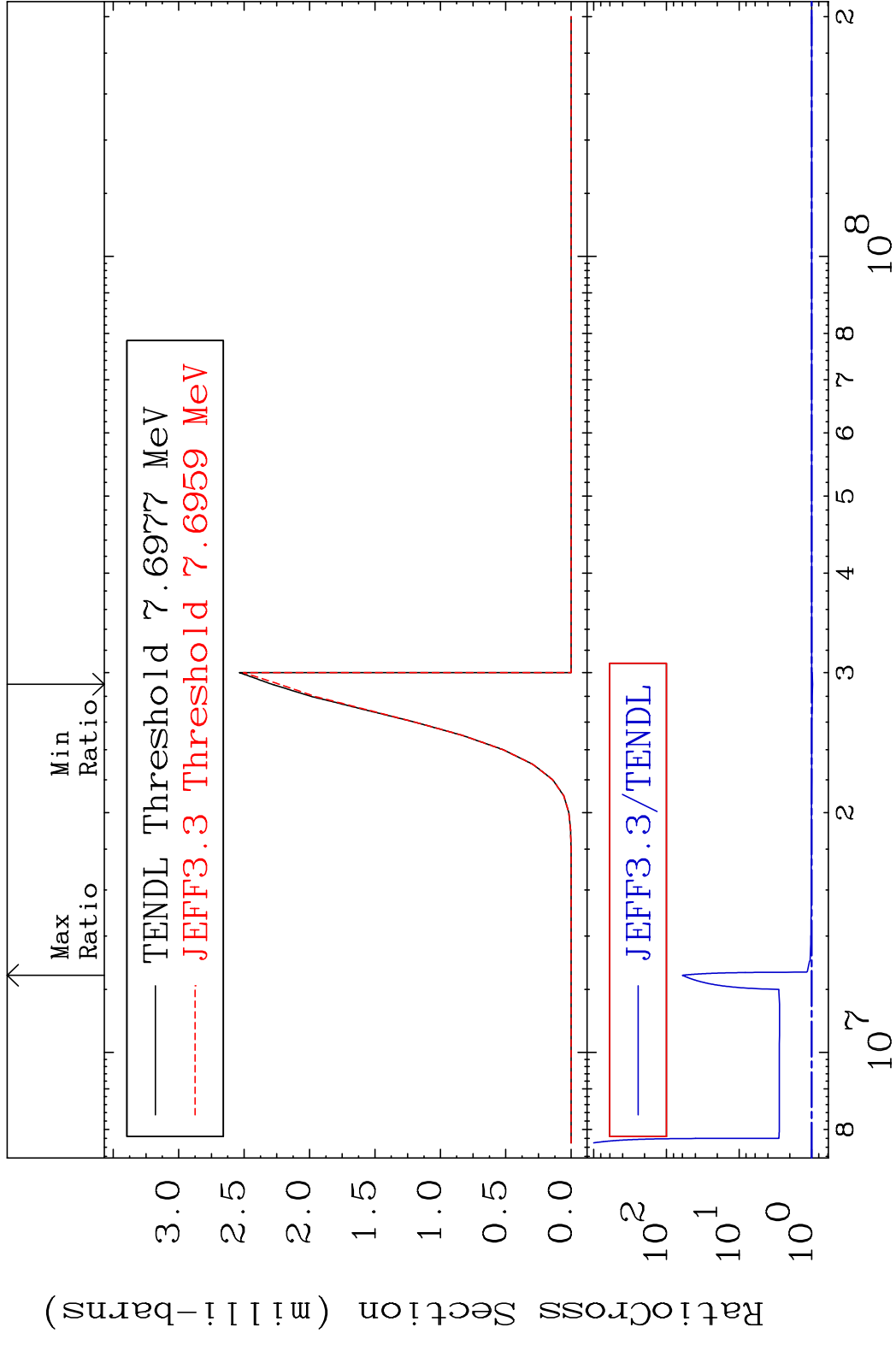


MAT 4522

(n, He-3)

45-Rh-102

Cross Section -2.537 To 5928. %

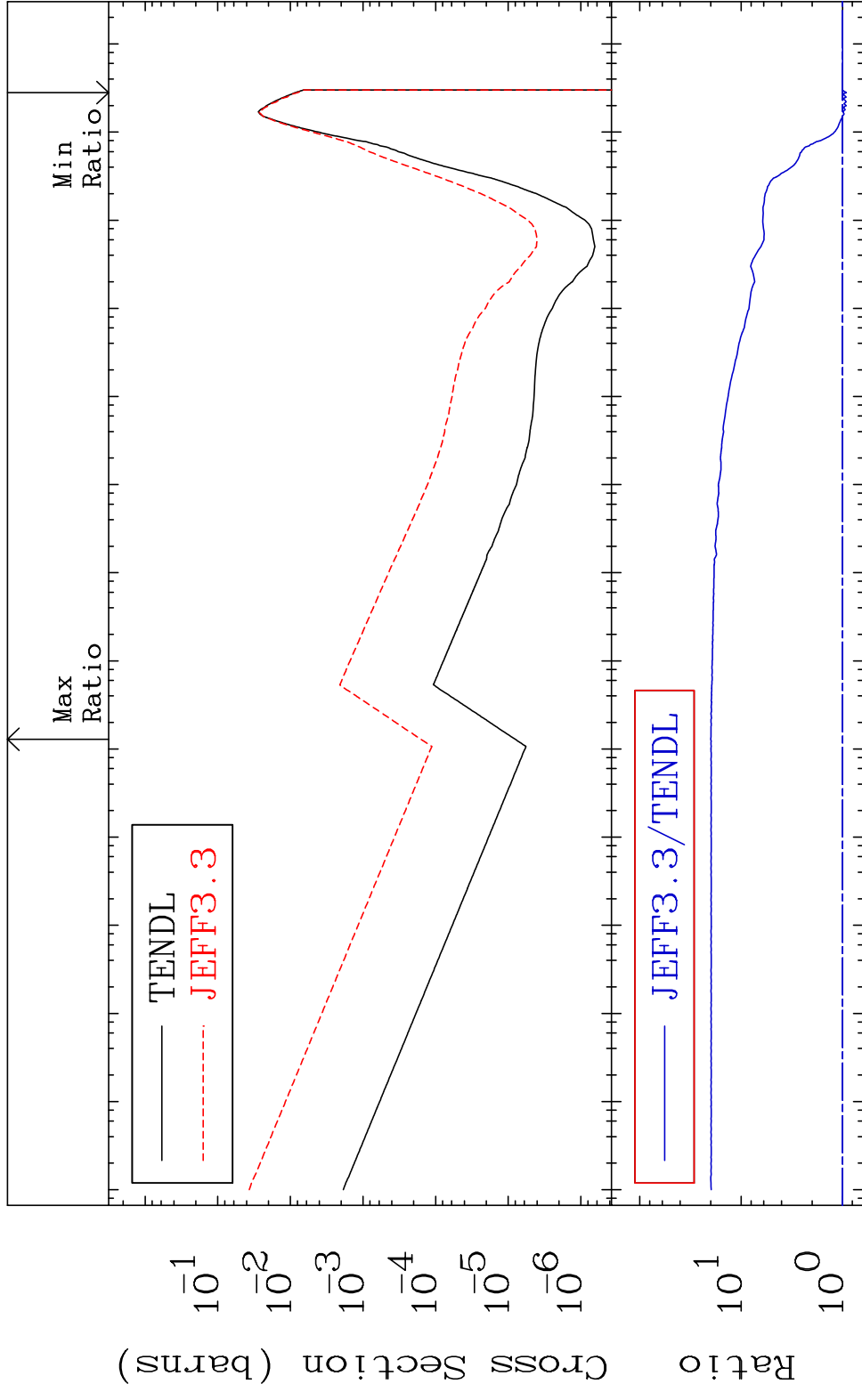


MAT 4522

(n, α)

Cross Section -8.117 To 1899. %

45-Rh-102



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Incident Energy (eV)

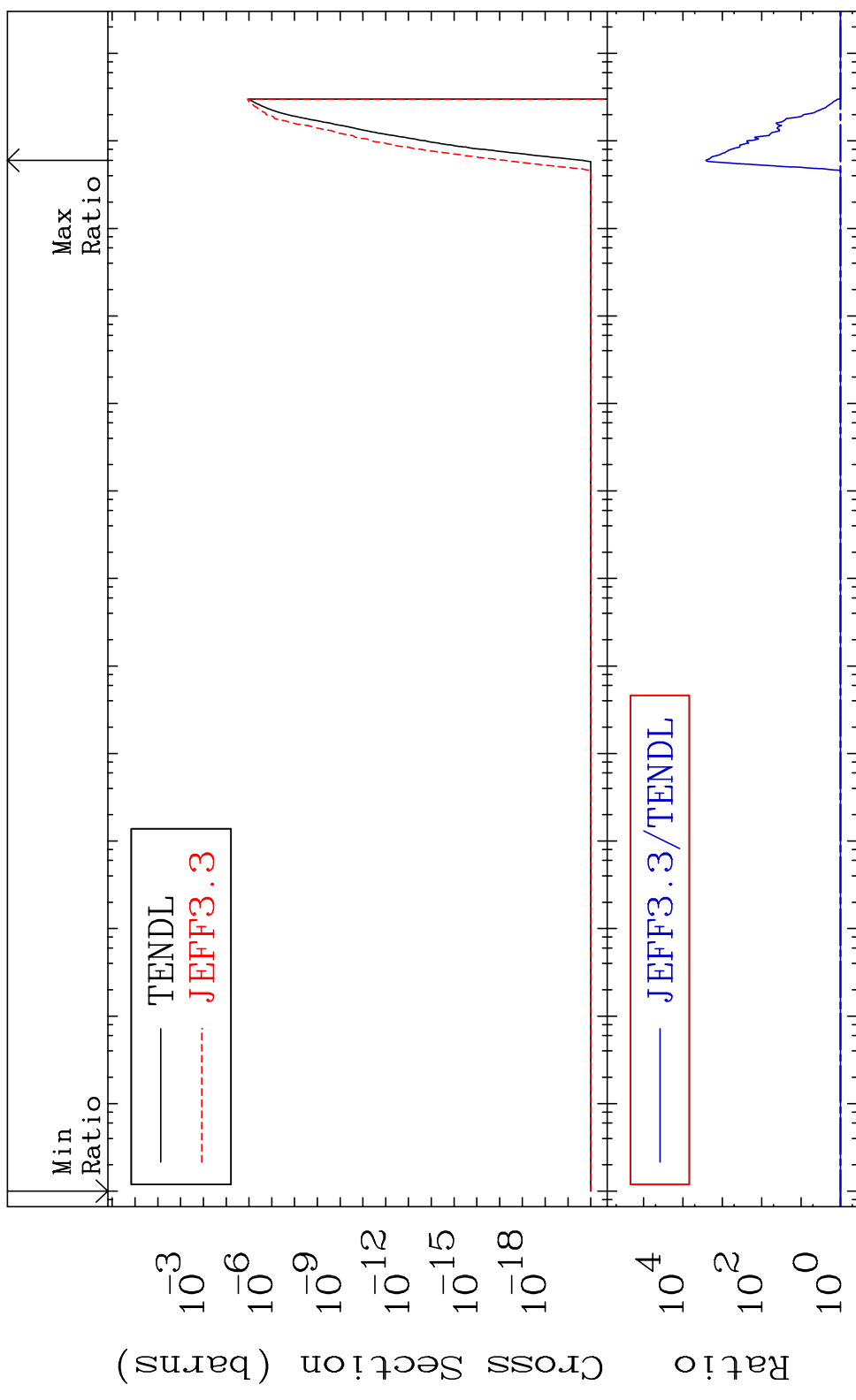
45-Rh-102

MAT 4522

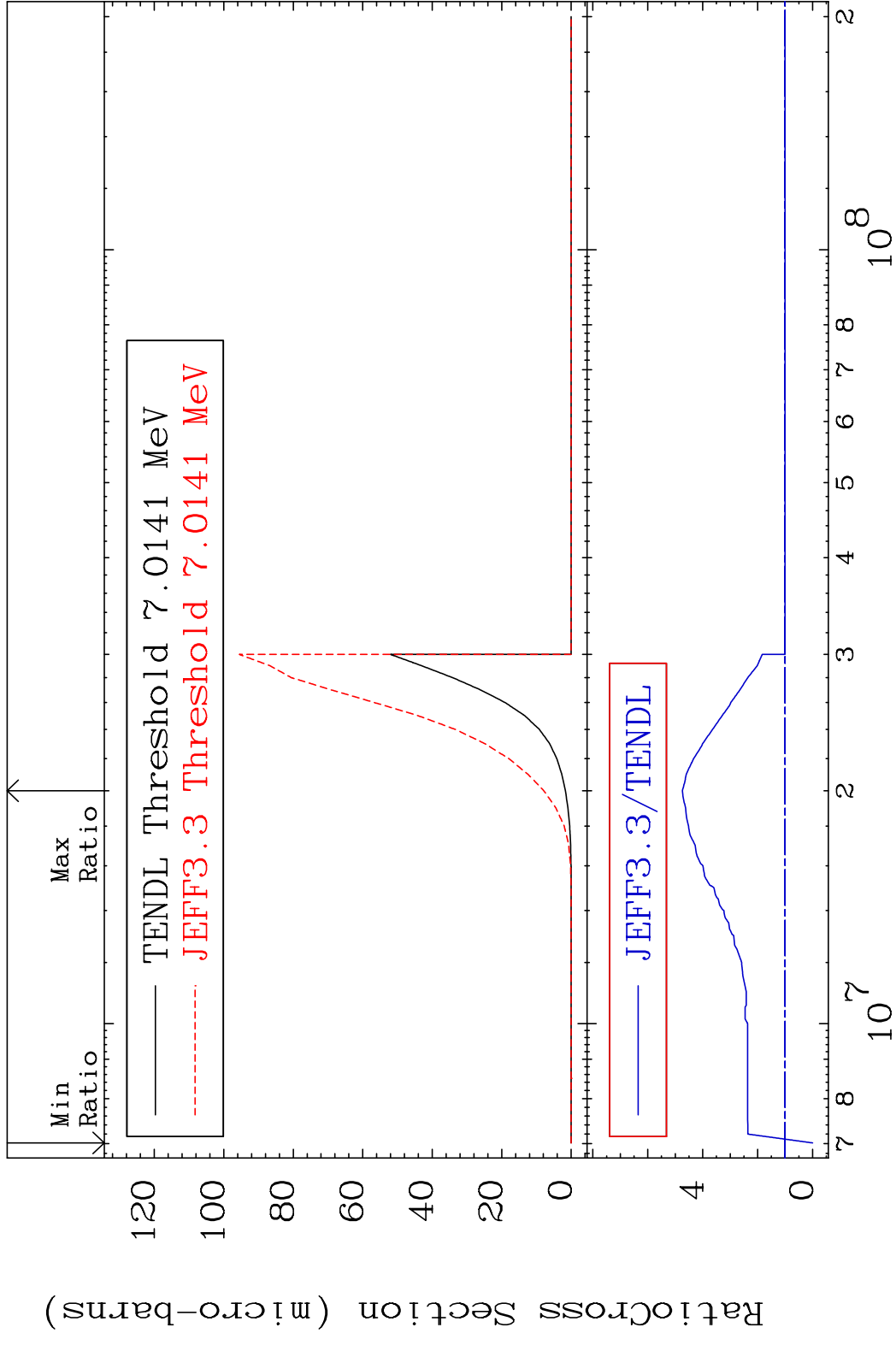
(n, 2α)

45-Rh-102

Cross Section 0.000 To 9999. %



MAT 4522 (n,2p) 45-Rh-102
 Cross Section -100.0 To 374.1 %

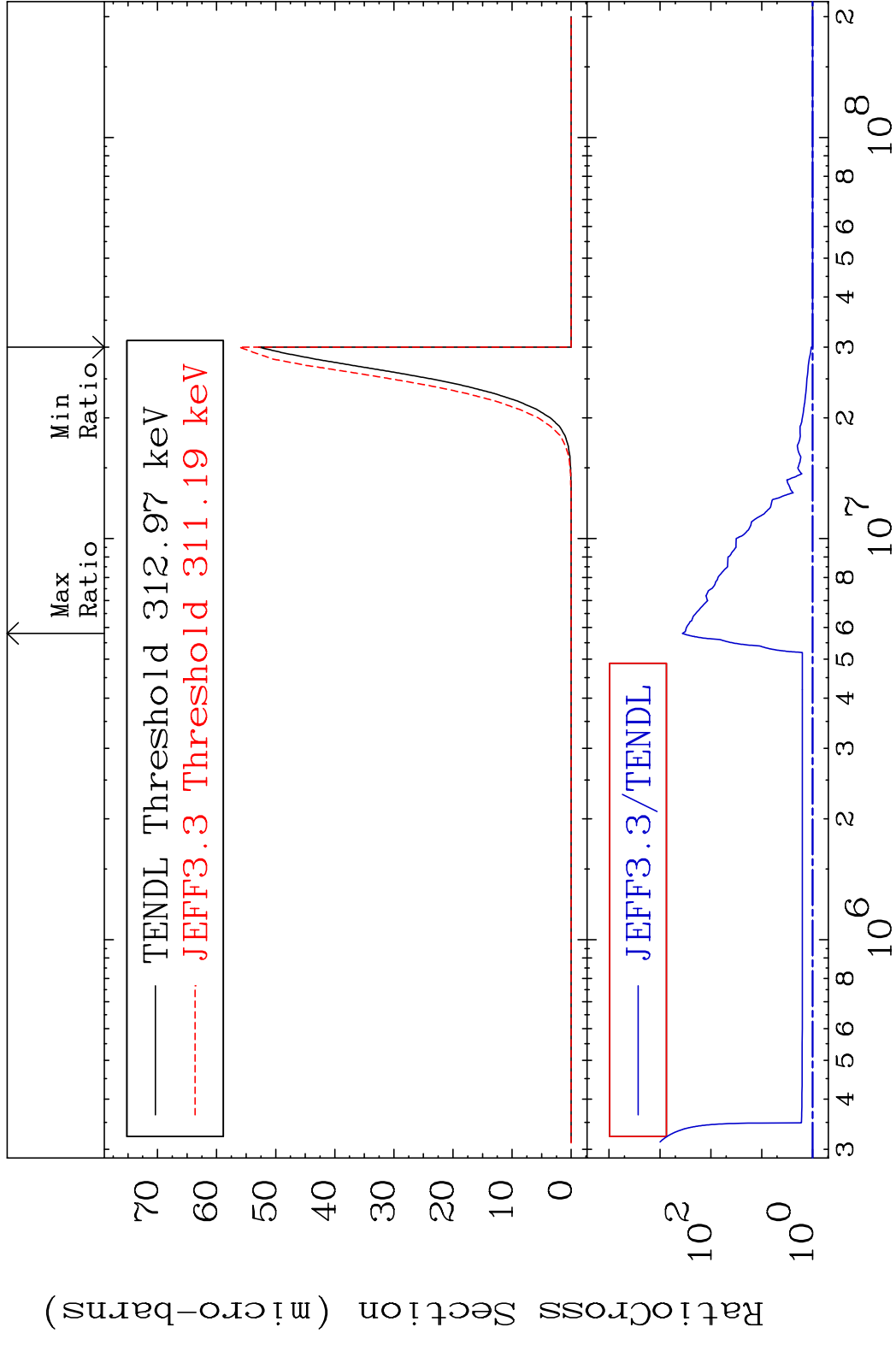


MAT 4522

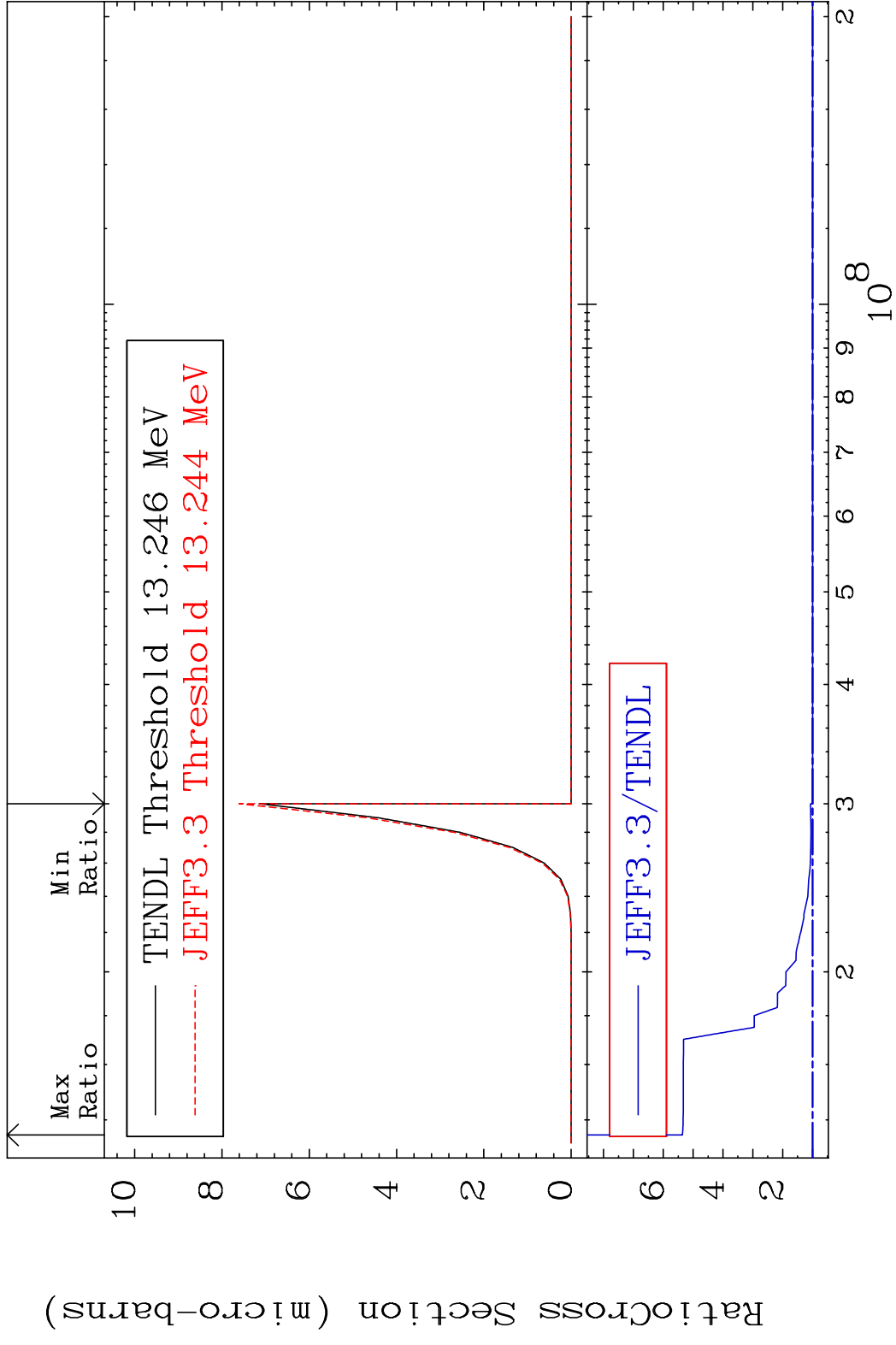
(n,p) α

45-Rh-102

Cross Section 0.000 To 9999. %

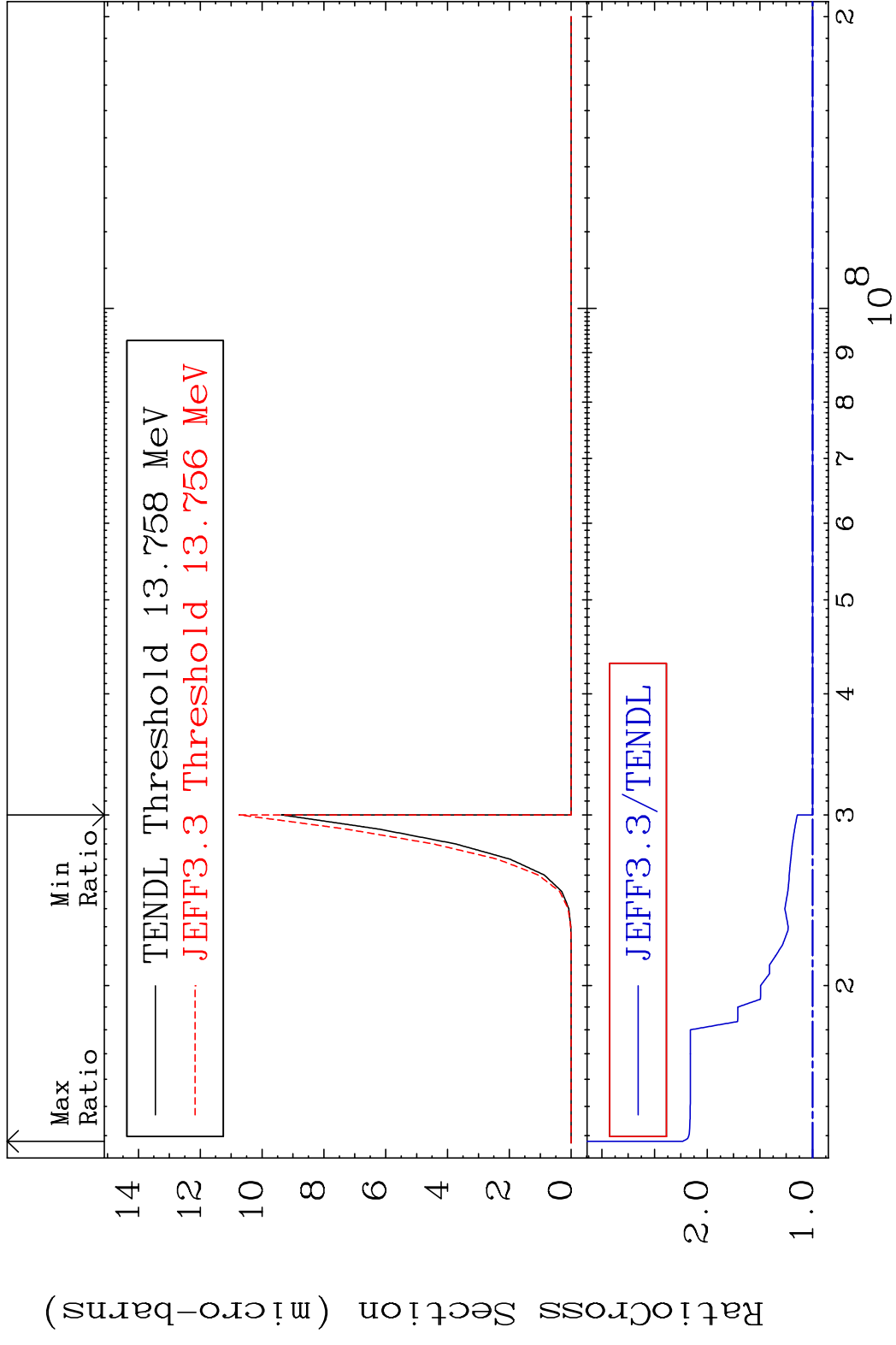


MAT 4522 (n,p) d 45-Rh-102
 Cross Section 0.000 To 436.0 %



60 Incident Energy (eV) 45-Rh-102

MAT 4522 (n,p) t 45-Rh-102
 Cross Section 0.000 To 123.6 %

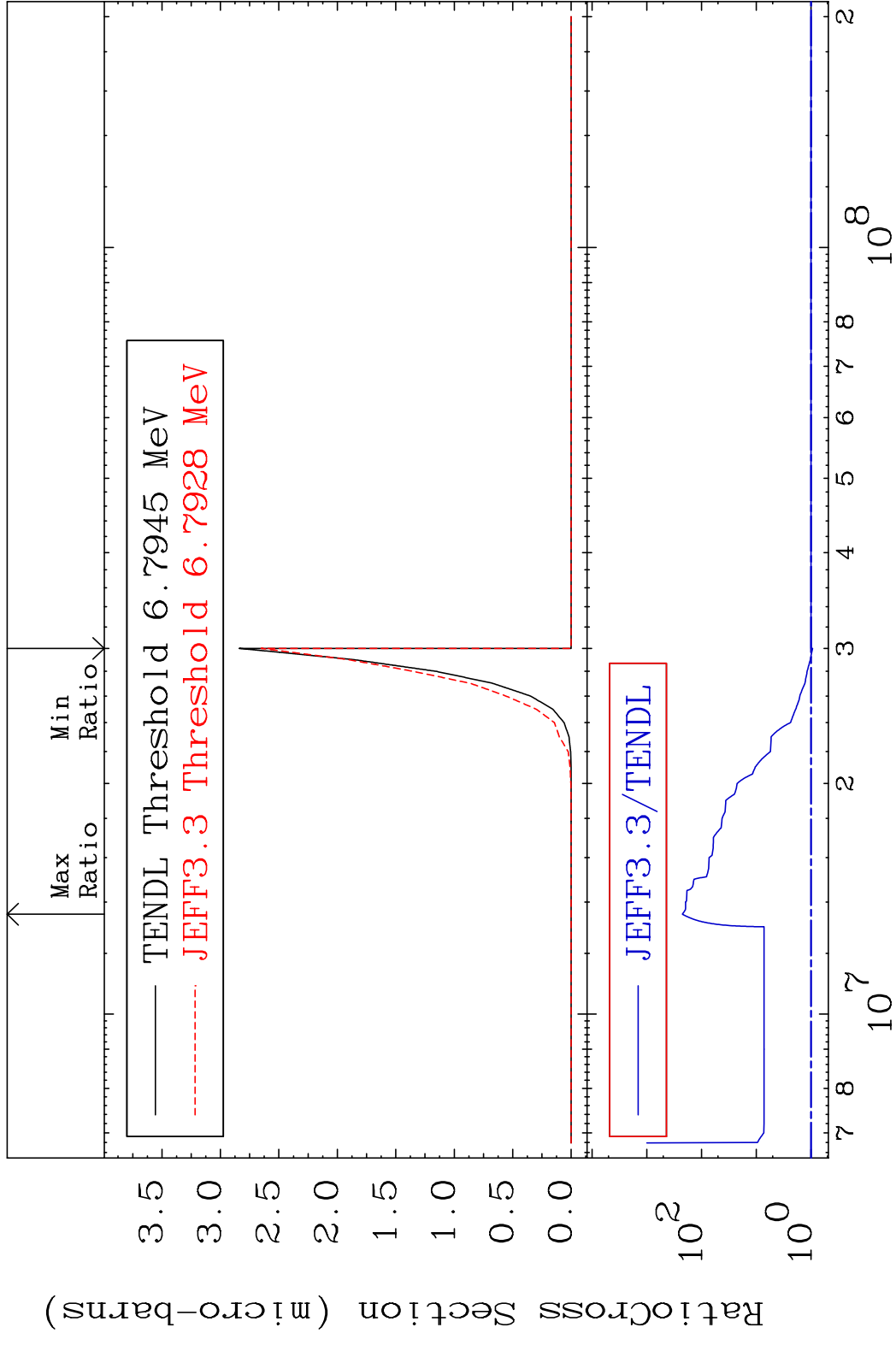


MAT 4522

(n,d) α

45-Rh-102

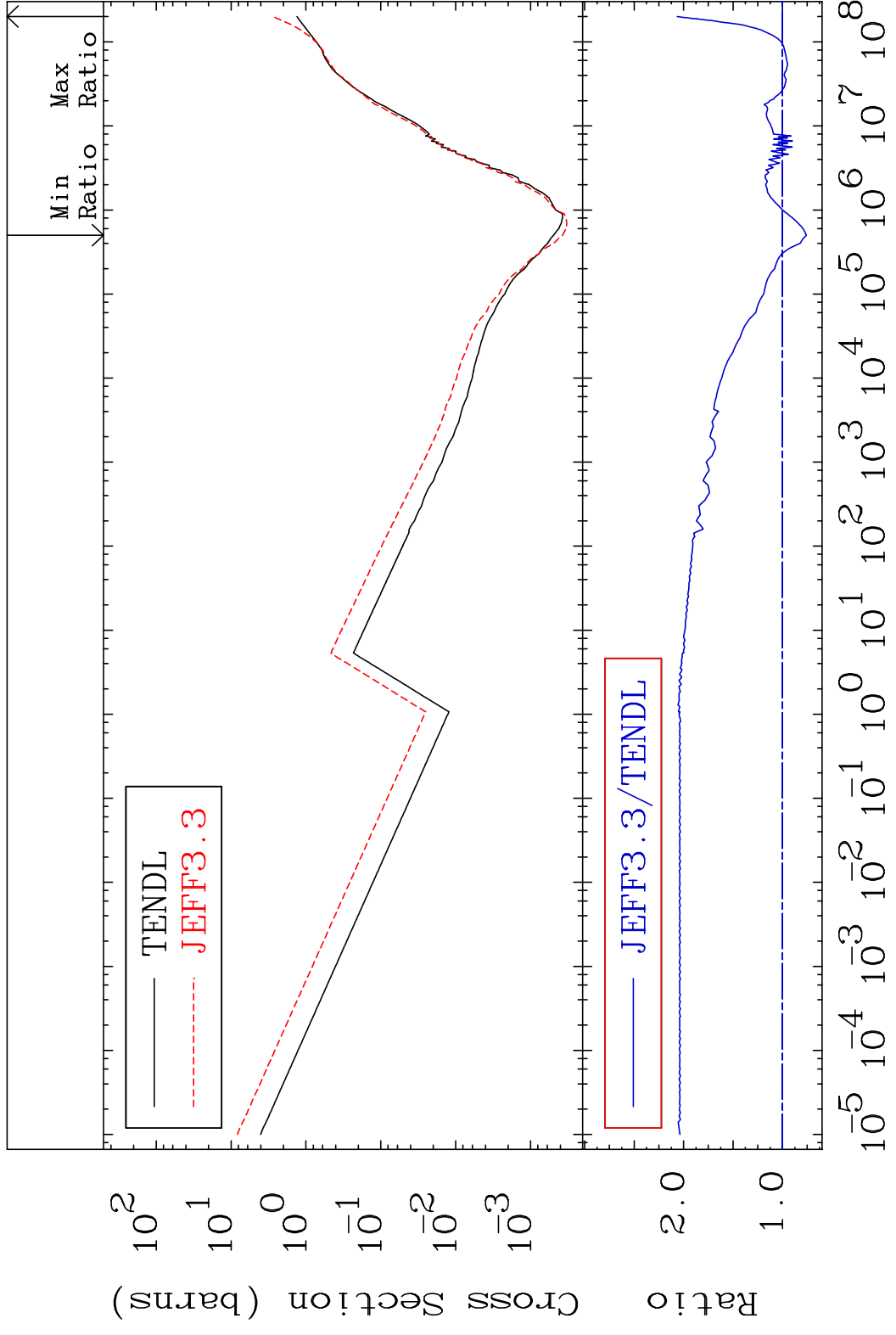
Cross Section -6.582 To 9999. %



MAT 4522

Hydrogen Production
Cross Section

45-Rh-102
-24.15 To 106.5 %

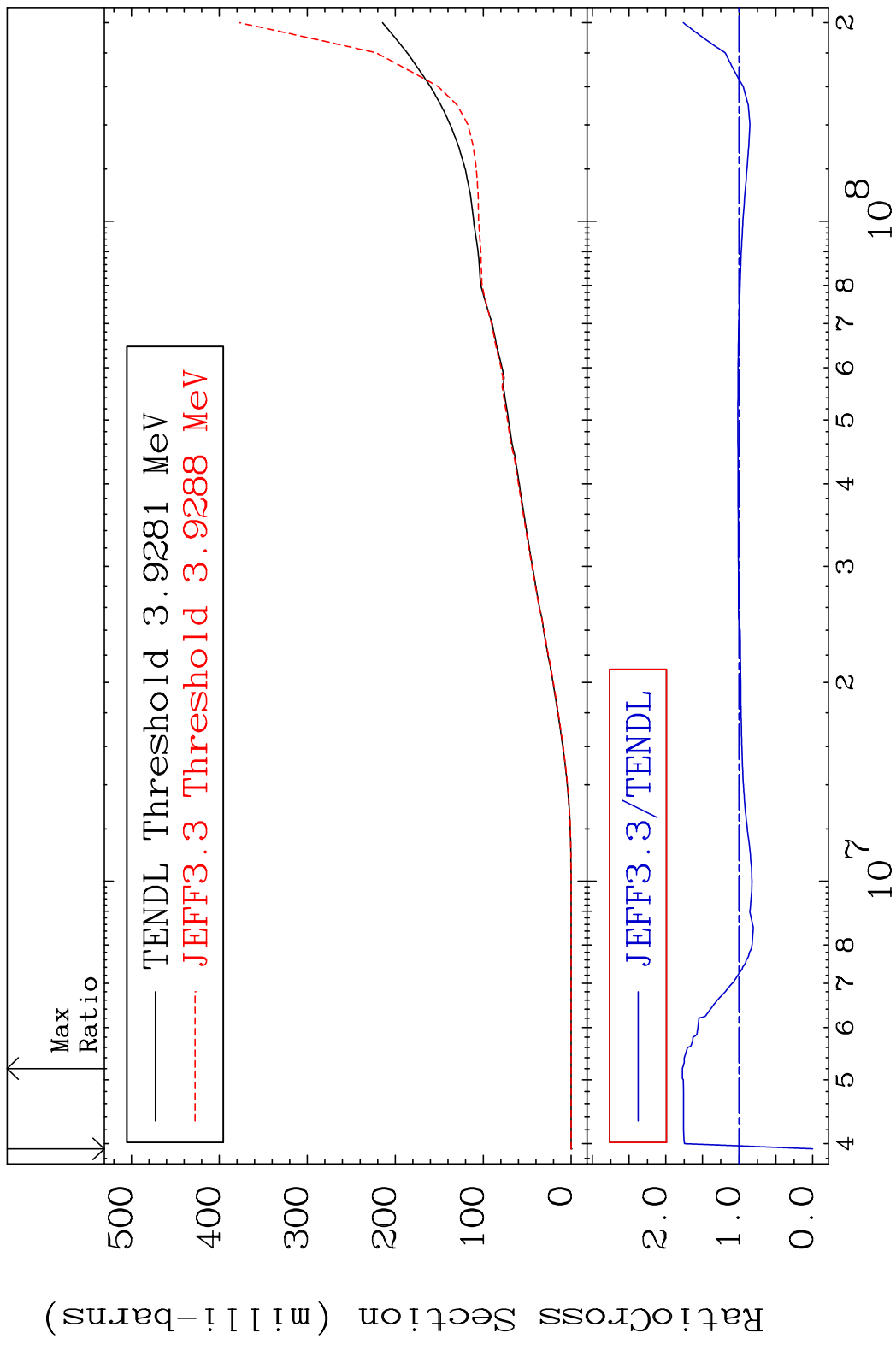


63

Incident Energy (eV)

45-Rh-102

MAT 4522 Deuterium Production 45-Rh-102
 Cross Section -100.0 To 77.39 %



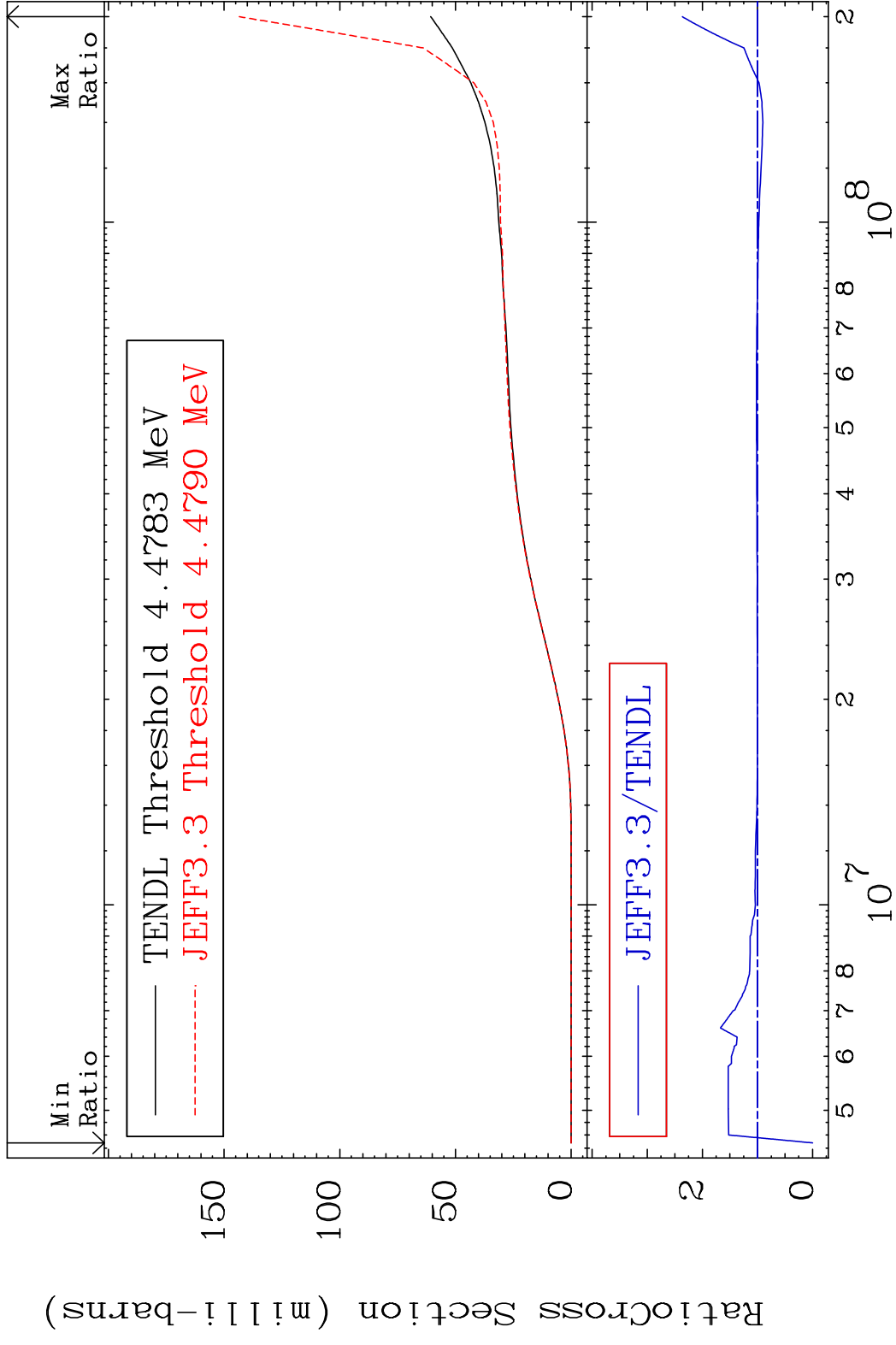
64 Incident Energy (eV) 45-Rh-102

MAT 4522

Tritium Production

45-Rh-102

Cross Section -100.0 To 136.3 %



65

Incident Energy (eV)

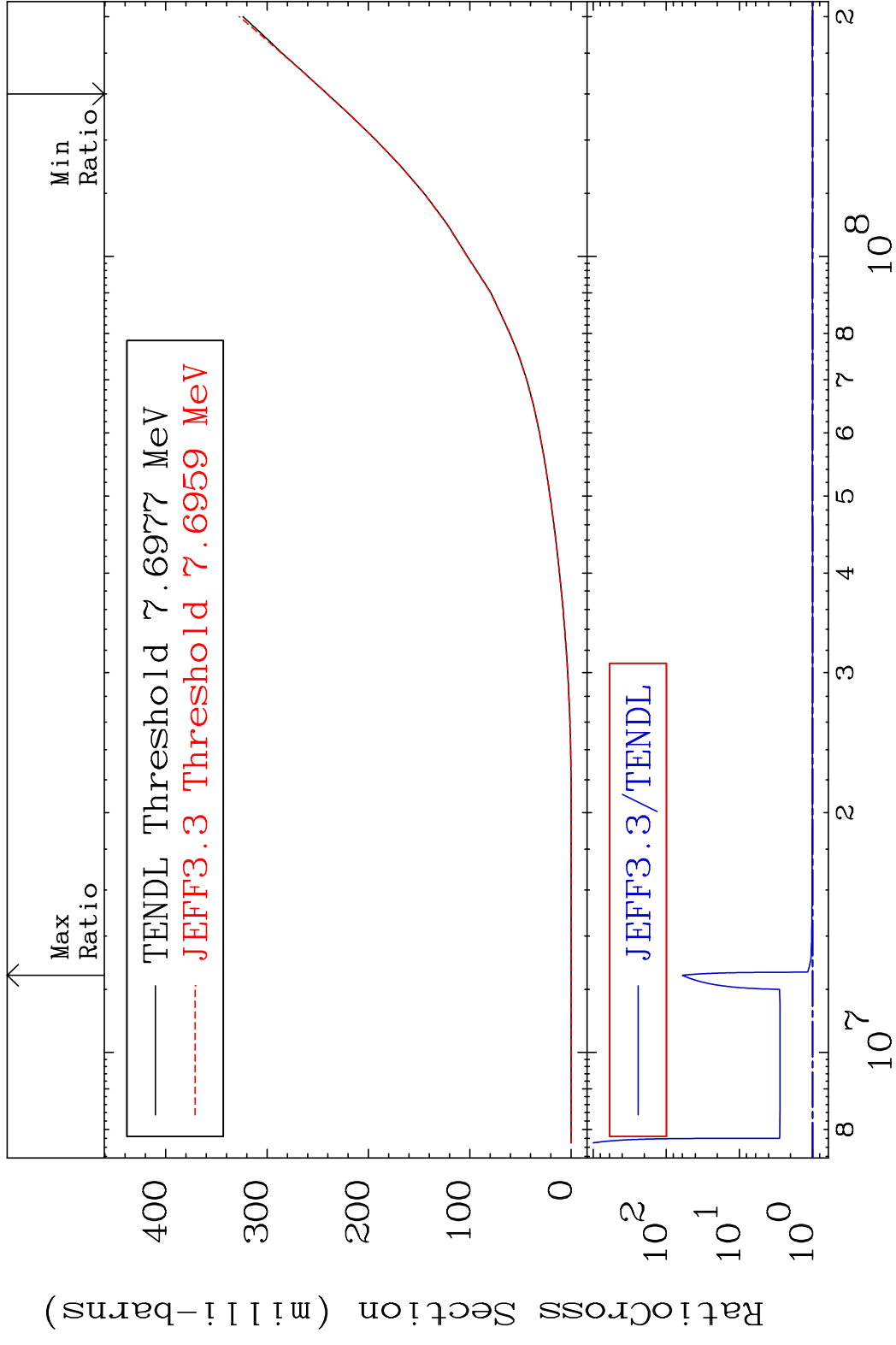
45-Rh-102

MAT 4522

He-3 Production

45-Rh-102

Cross Section -0.064 To 5928. %



66

Incident Energy (eV)

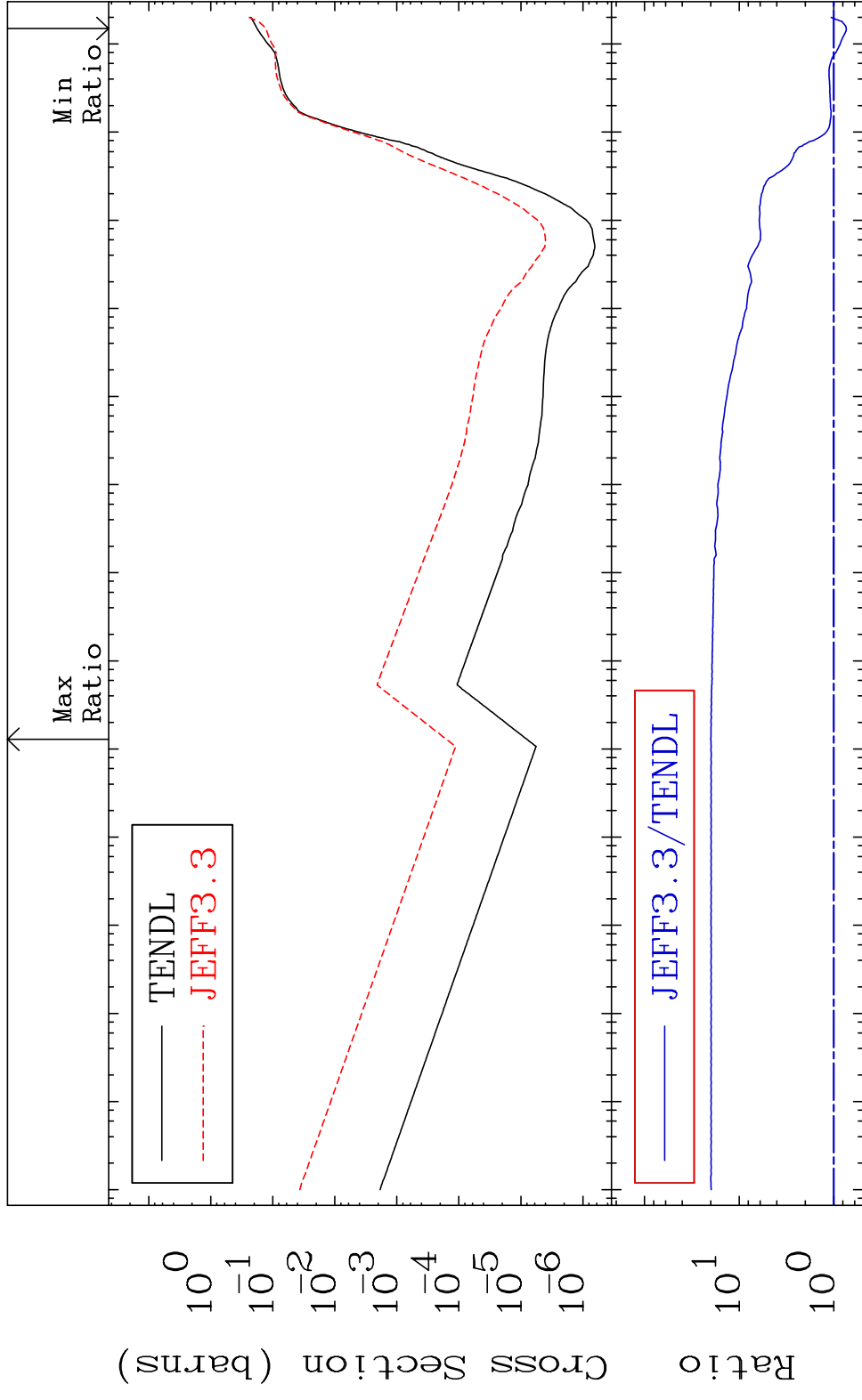
45-Rh-102

MAT 4522

He-4 Production

45-Rh-102

Cross Section -26.37 To 1899. %



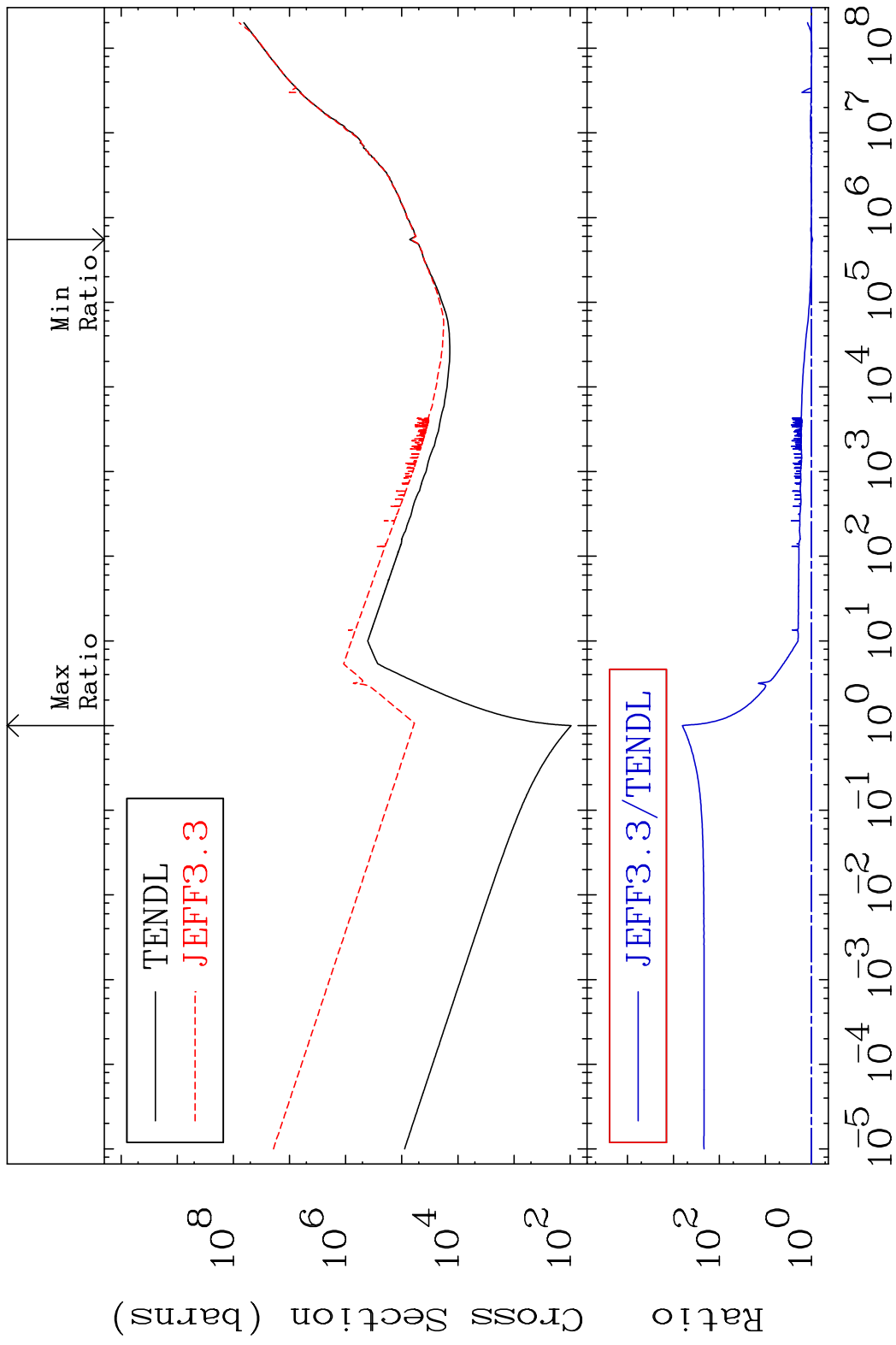
Ratio

67

Incident Energy (eV)

45-Rh-102

MAT 4522 Kerma total (eV-barns) 45-Rh-102
 Cross Section -5.815 To 9999. %

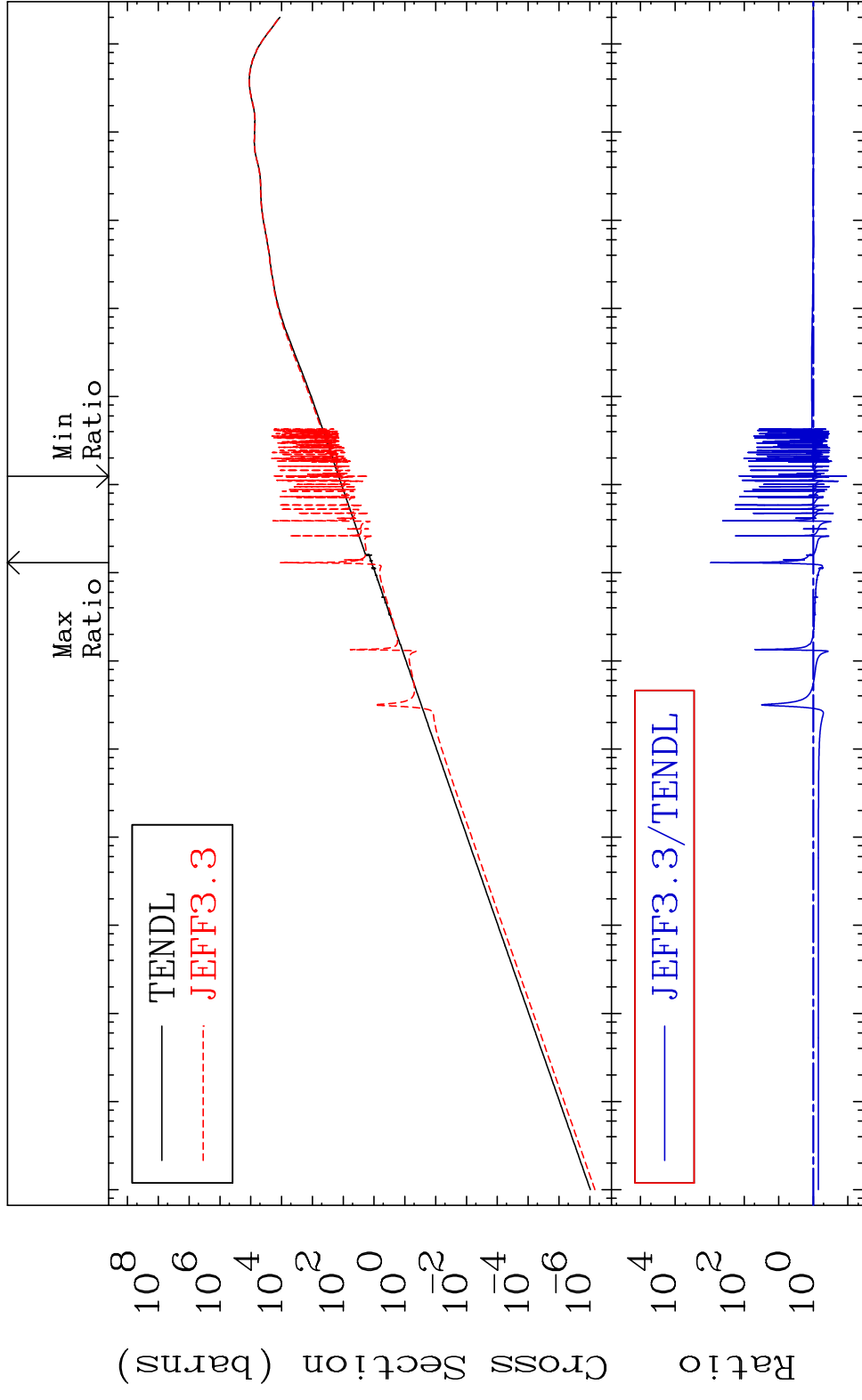


MAT 4522

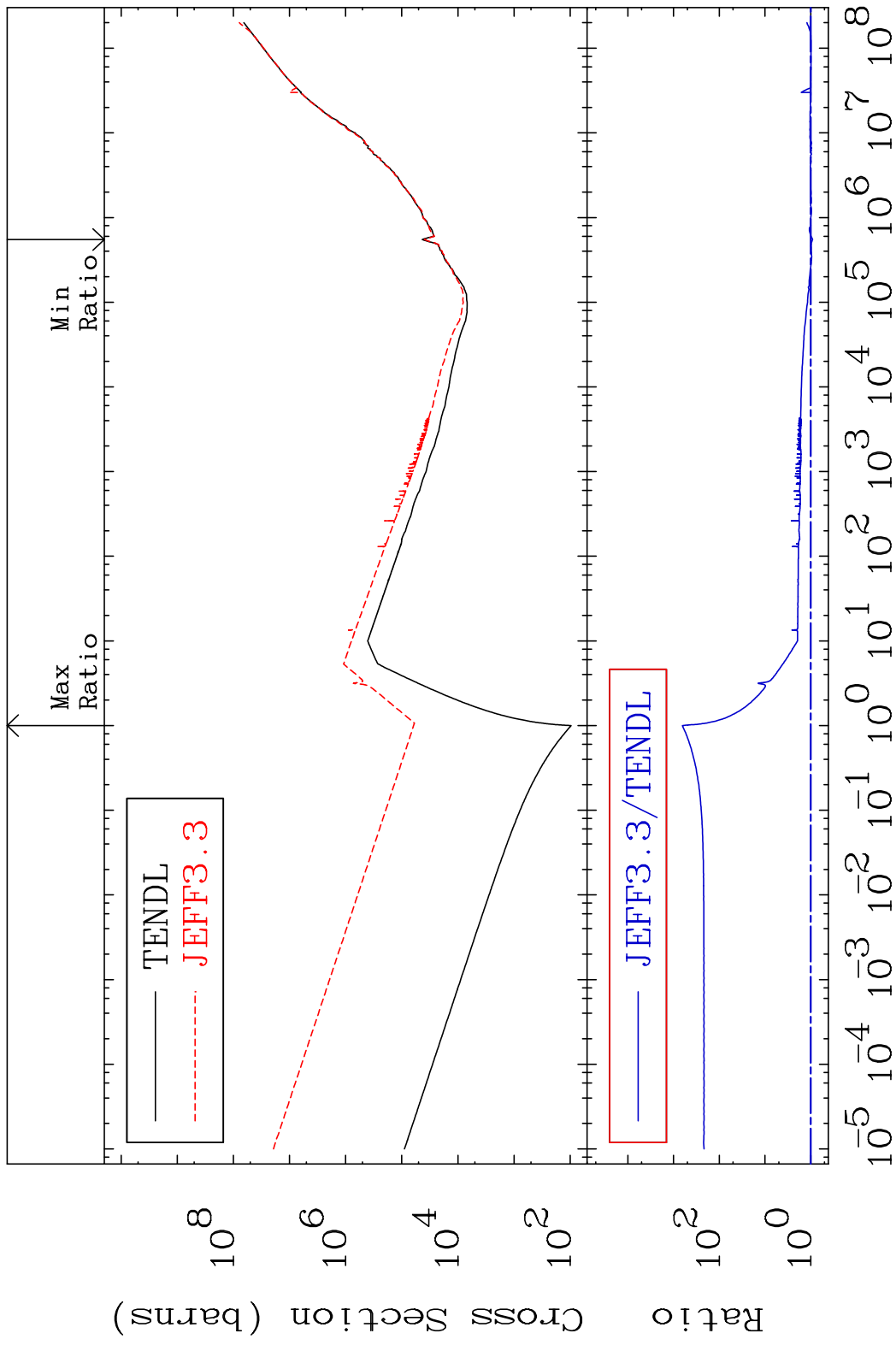
Kerma elastic
Cross Section

45-Rh-102

-88.96 To 9999. %

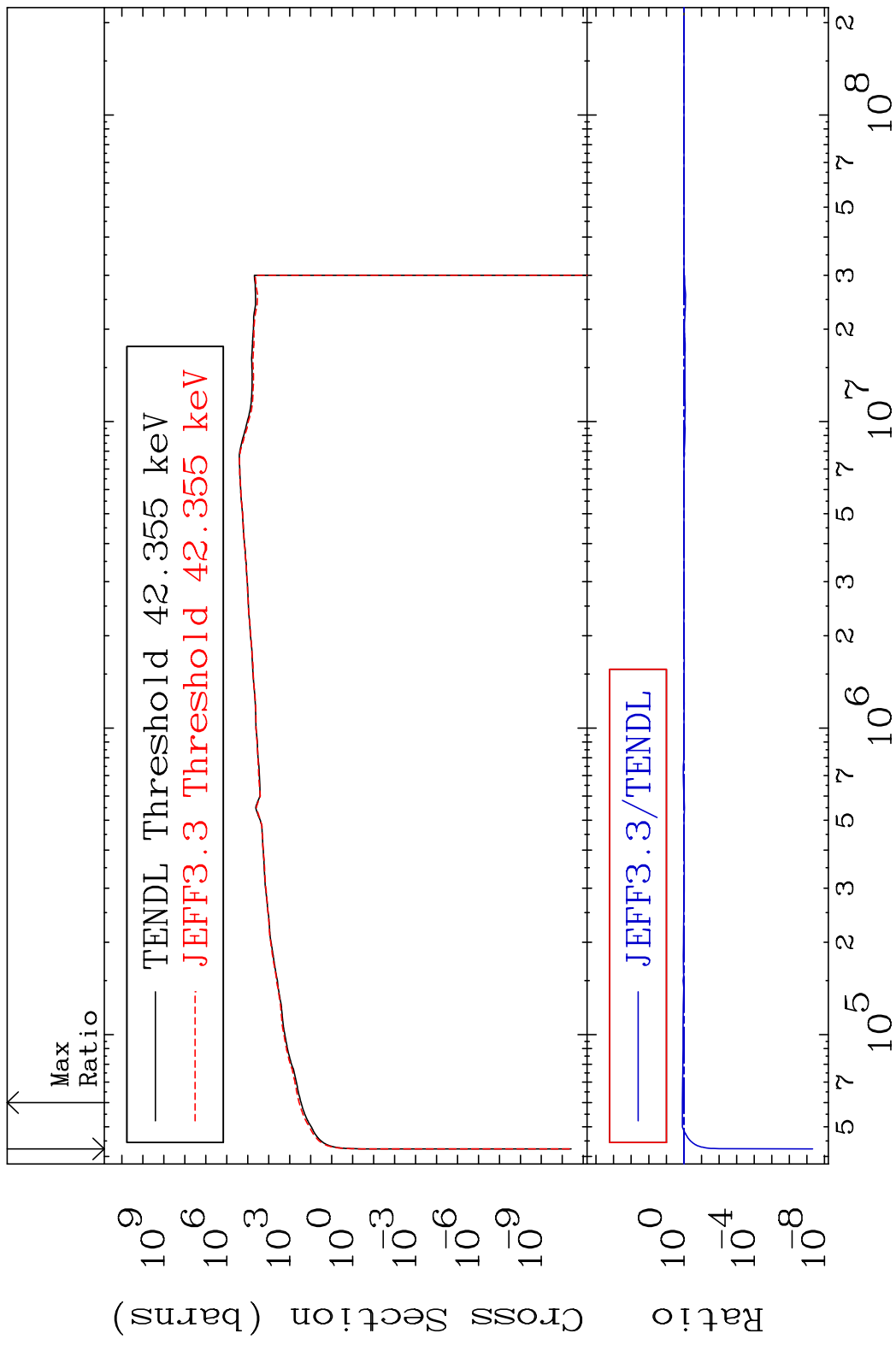


MAT 4522 Kerma non-elastic (all but mt2) 45-Rh-102
 Cross Section -8.604 To 9999. %

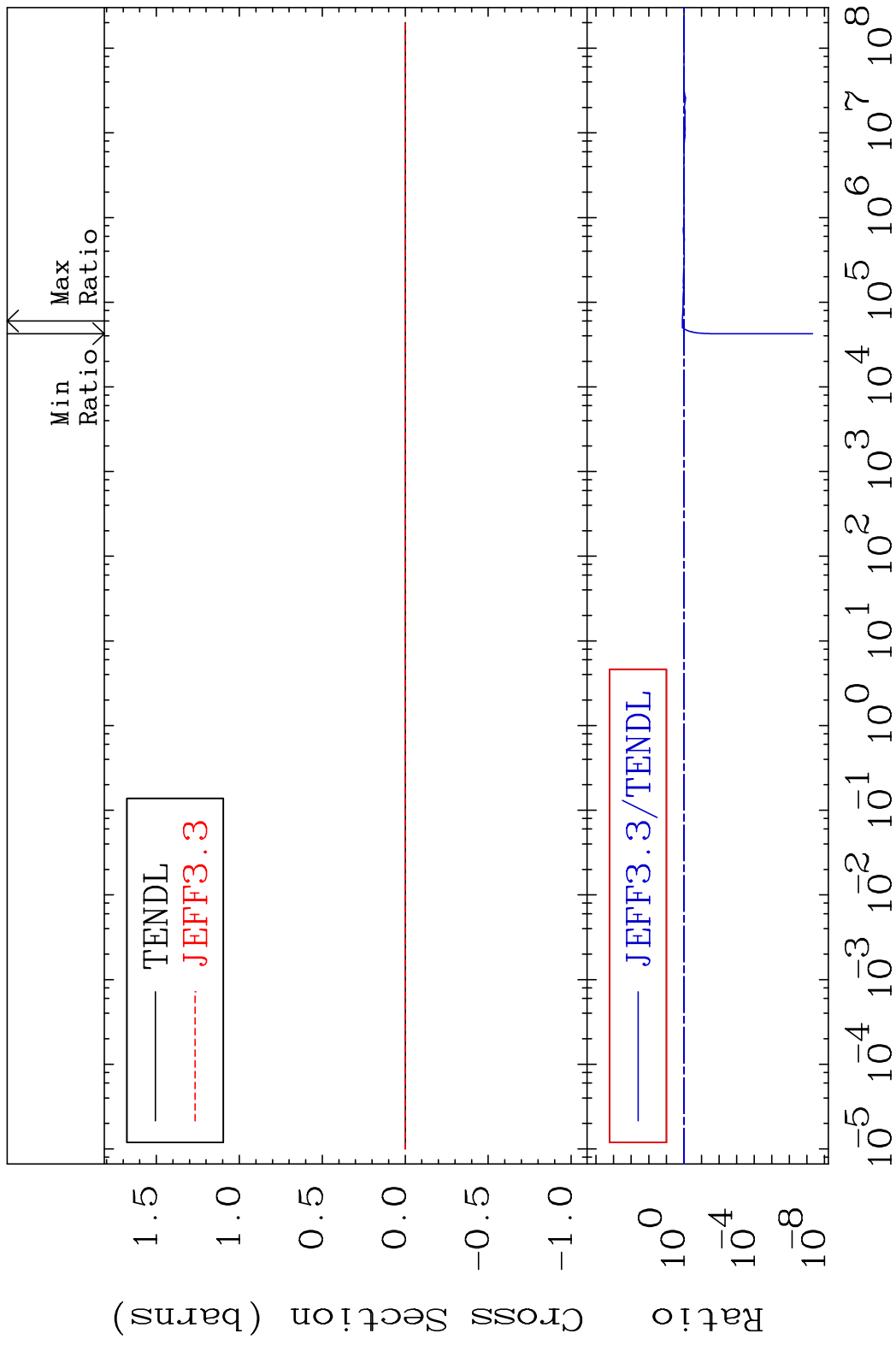


70 Incident Energy (eV) 45-Rh-102

MAT 4522 Kerma inelastic (mt51-91) 45-Rh-102
 Cross Section -100.0 To 22.44 %

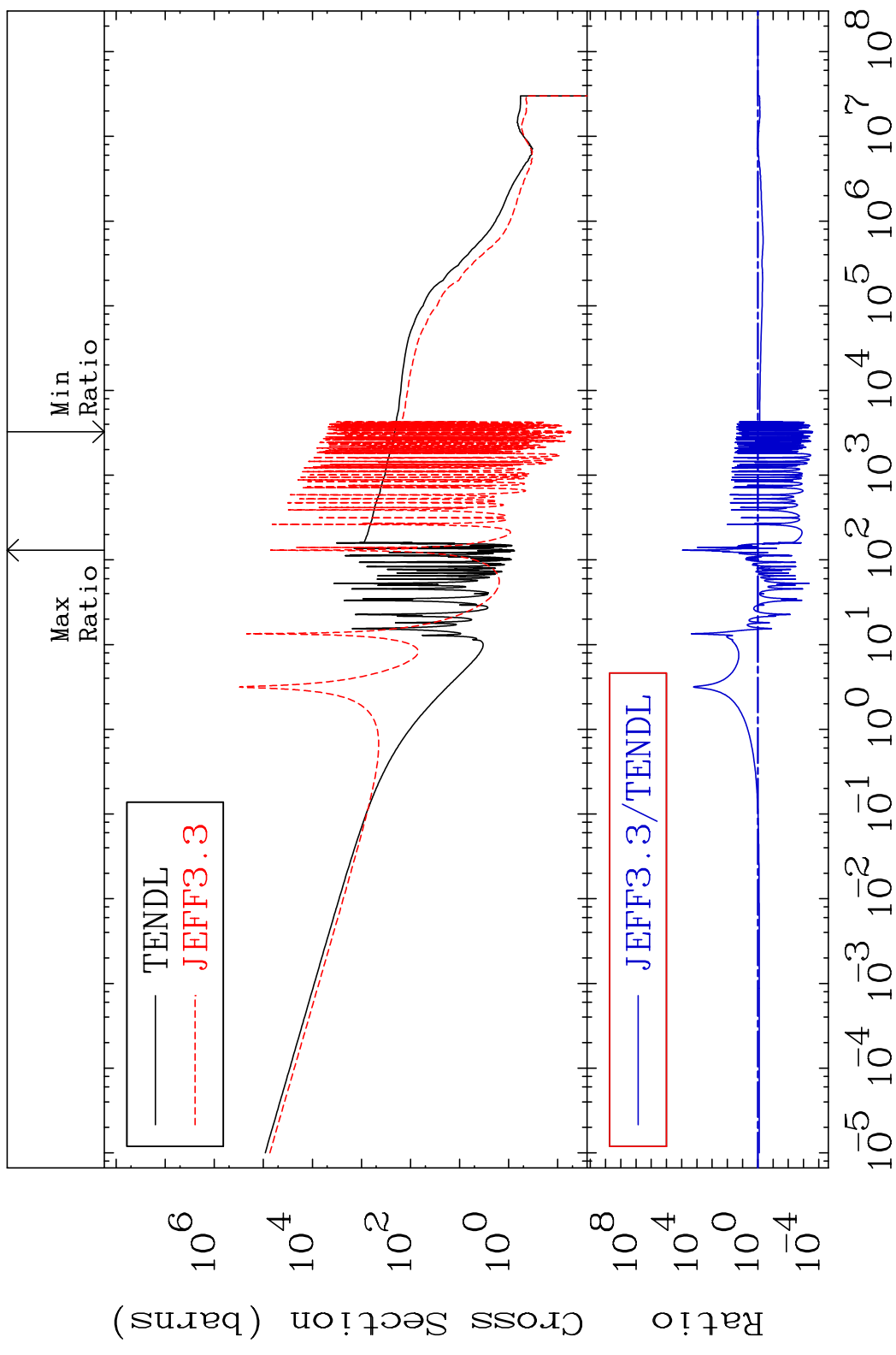


MAT 4522 Kerma fission (mt18 or mt19-20-21-38) 45-Rh-102
 Cross Section -100.0 To 22.44 %



MAT 4522

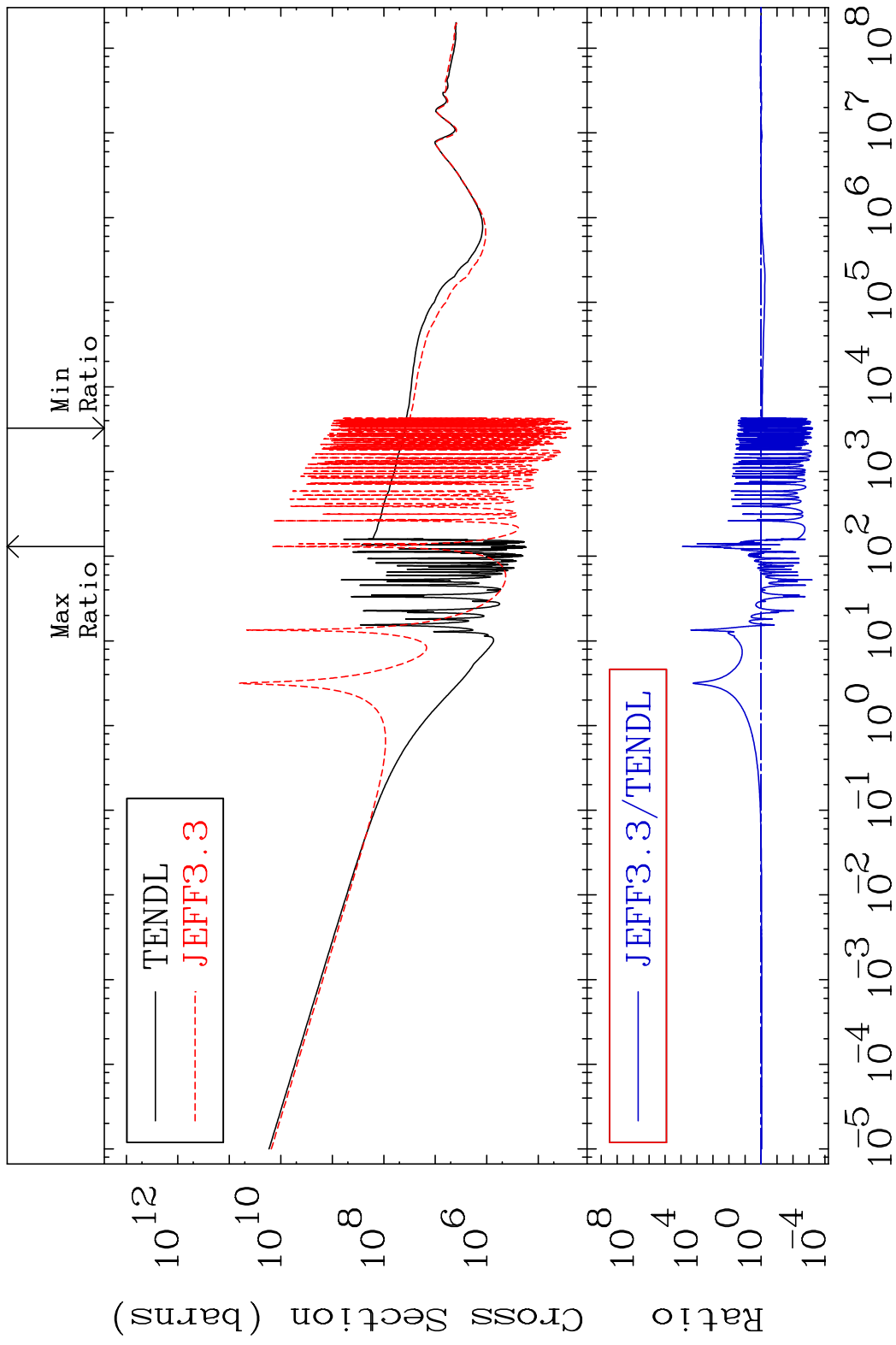
Kerma capture (mt102) 45-Rh-102
Cross Section -99.97 To 9999. %



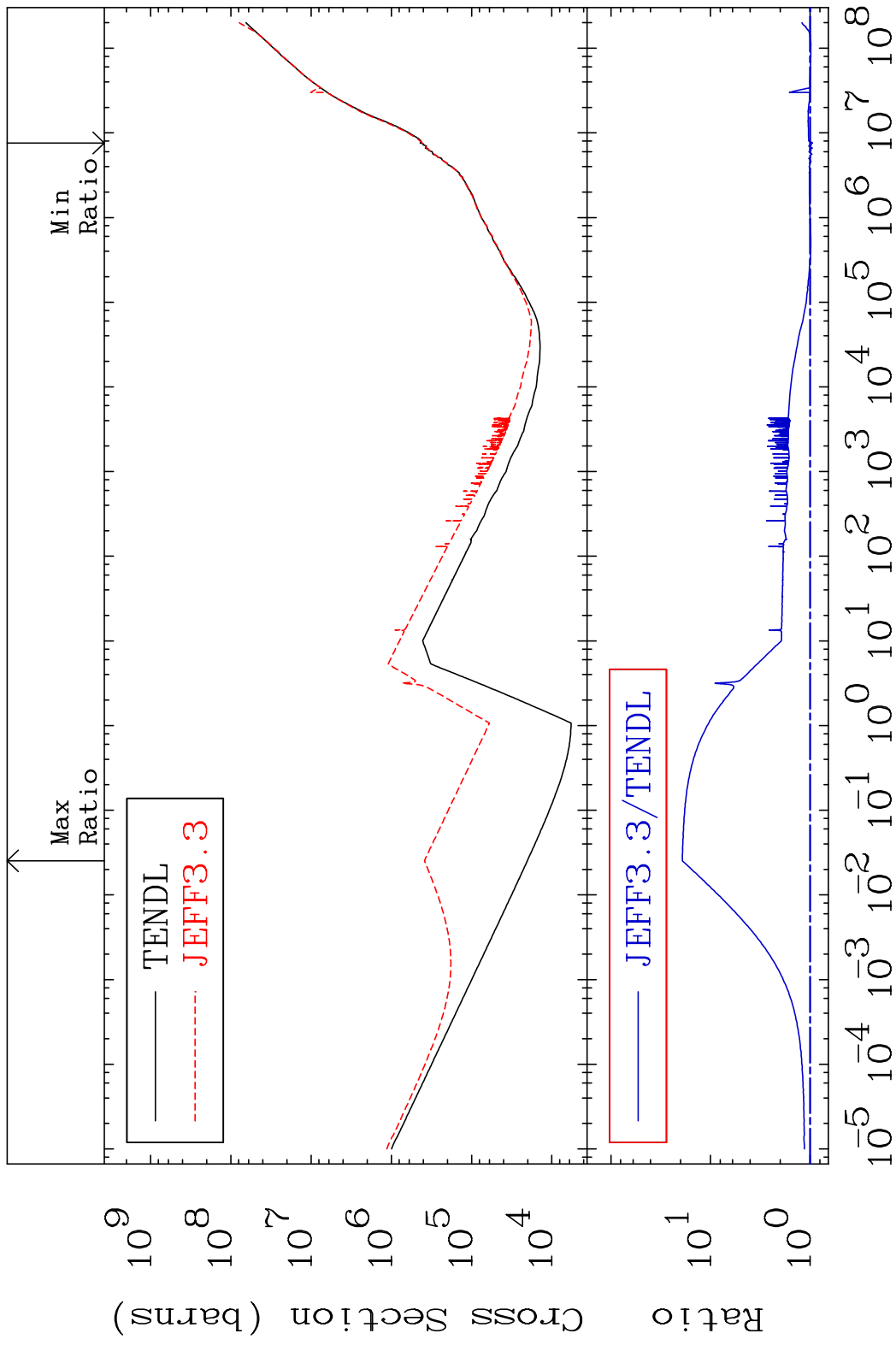
73

Incident Energy (eV) 45-Rh-102

MAT 4522 Total photon (eV-barns) 45-Rh-102
 Cross Section -99.94 To 9999. %



MAT 4522 Total kinematic kerma (high limit) 45-Rh-102
 Cross Section -5.329 To 1819. %

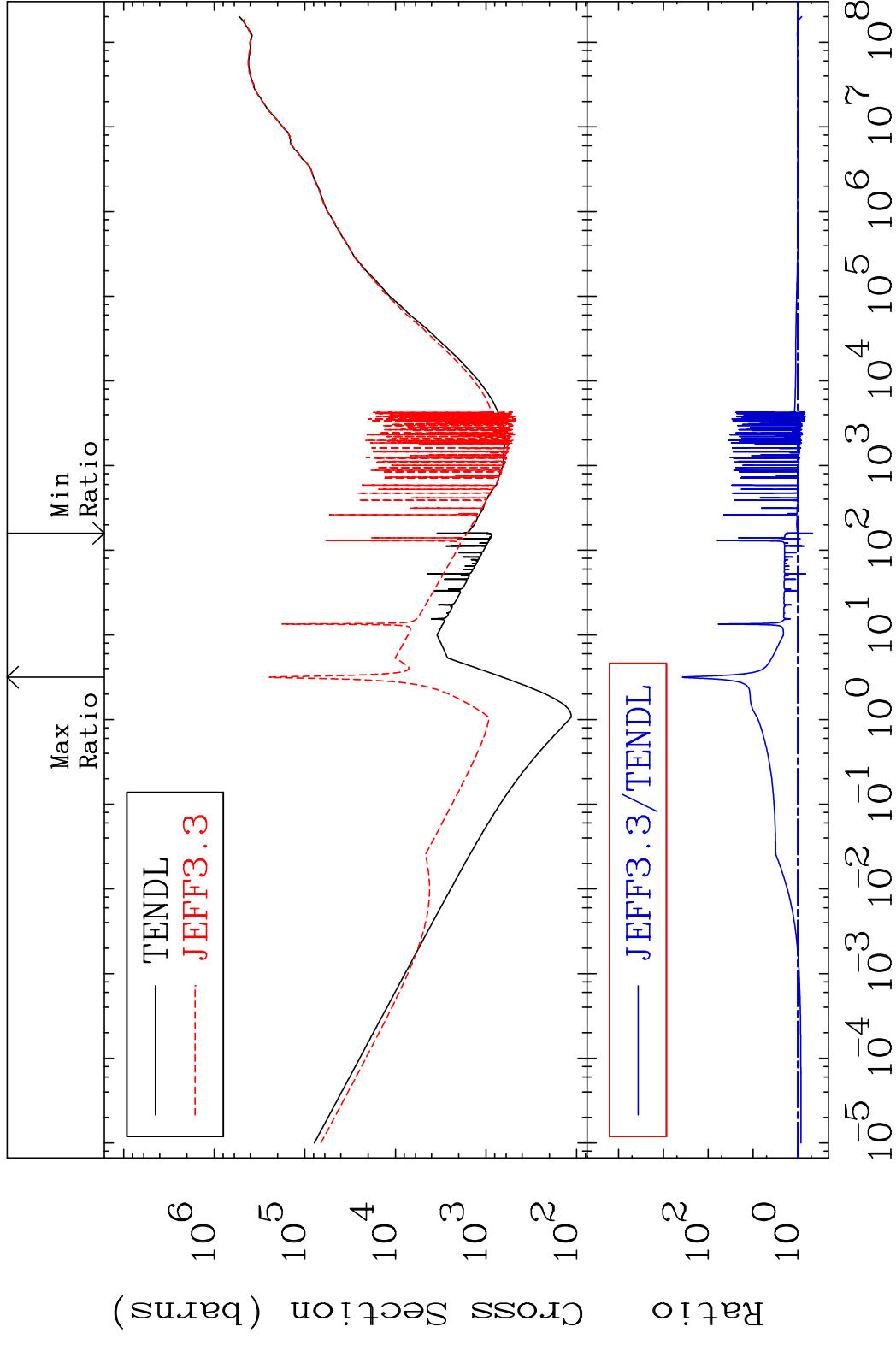


MAT 4522

Dpa total (eV-barns)

45-Rh-102

Cross Section -53.23 To 9999. %



76

Incident Energy (eV)

45-Rh-102

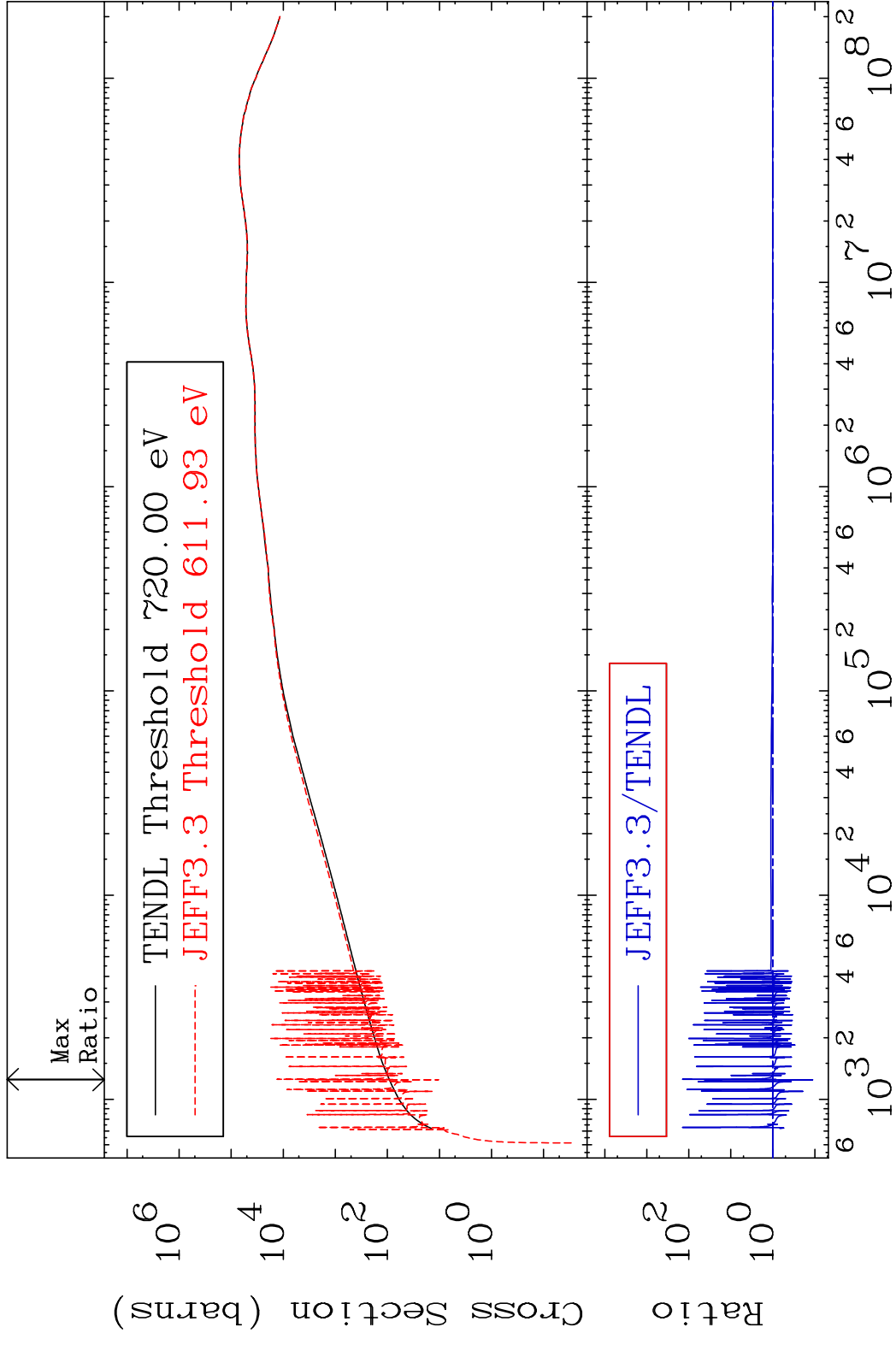
MAT 4522

Dpa elastic (mt2)

45-Rh-102

Cross Section

-88.69 To 9999. %

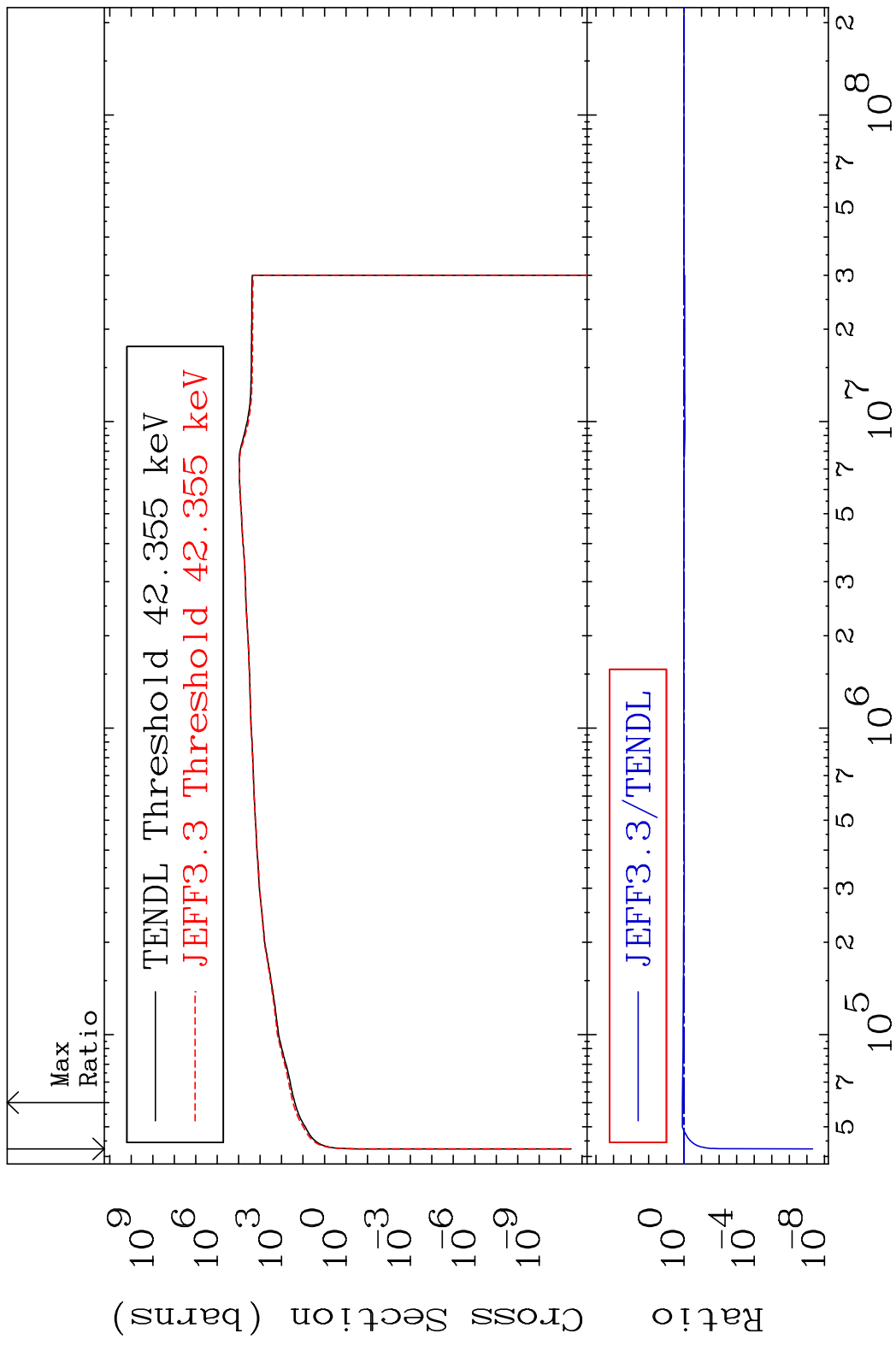


77

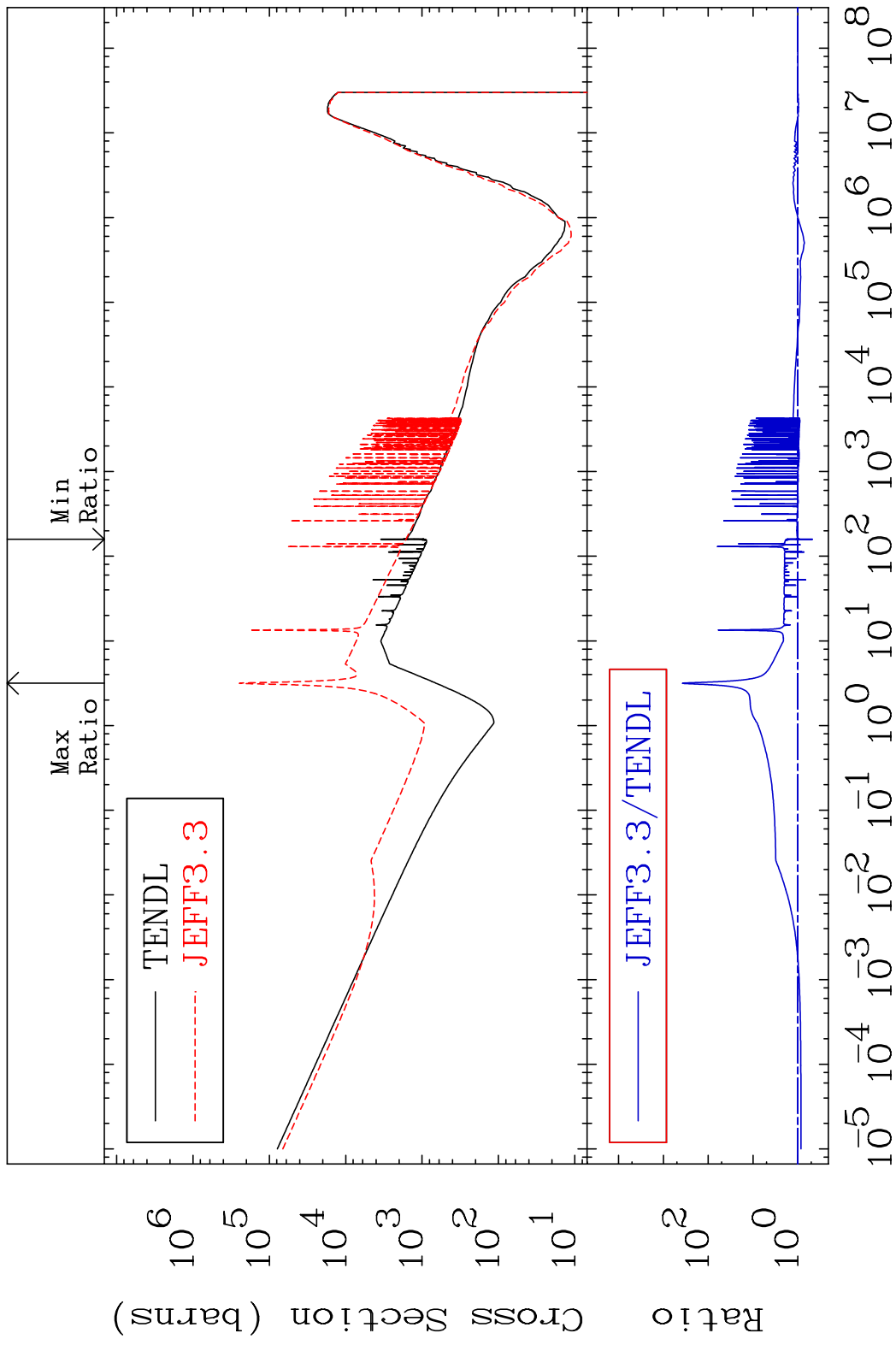
Incident Energy (eV)

45-Rh-102

MAT 4522 Dpa inelastic (mt51-91) 45-Rh-102
 Cross Section -100.0 To 22.59 %

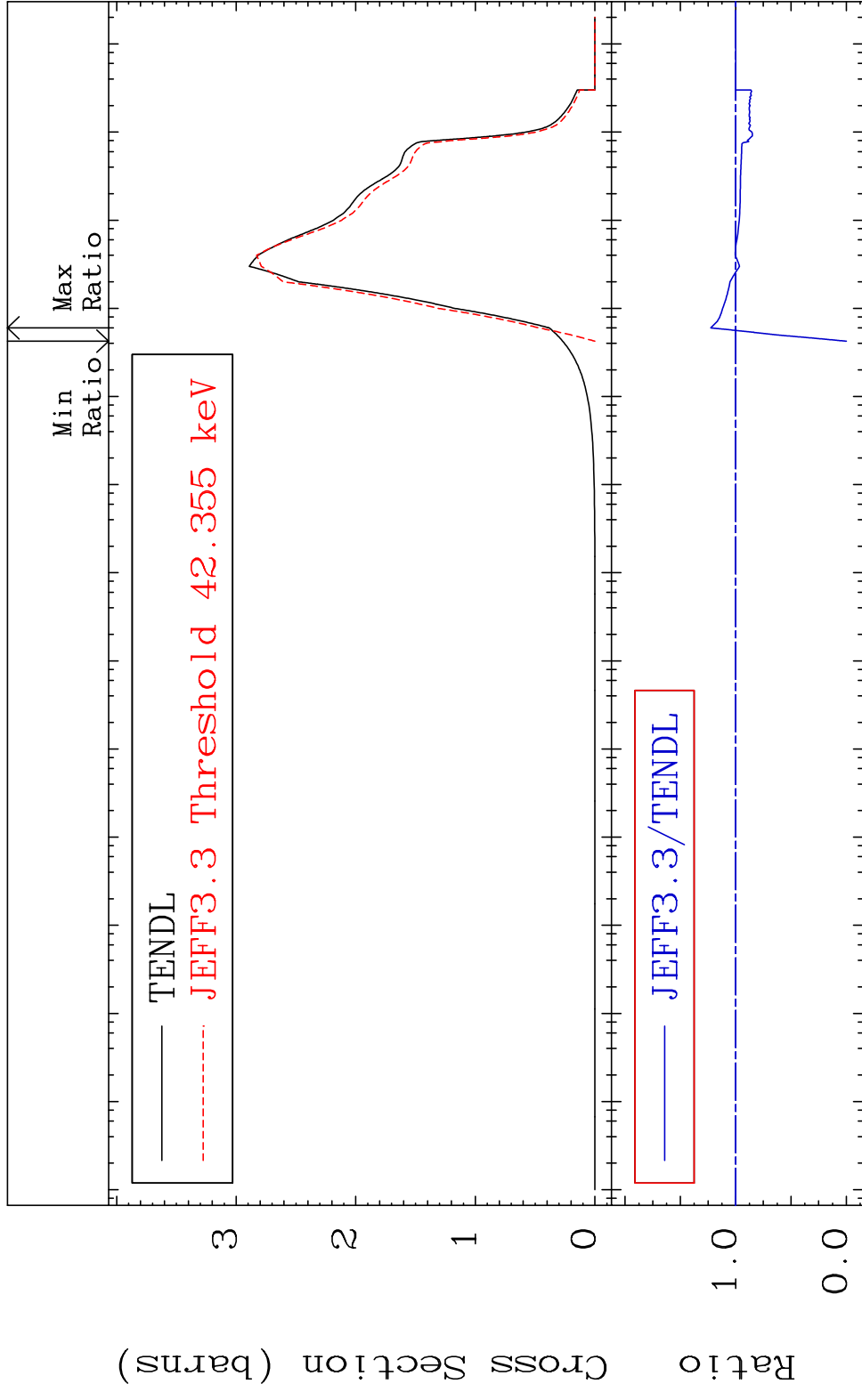


MAT 4522 Dpa disappearance (mt102 -120) 45-Rh-102
 Cross Section -53.23 To 9999. %

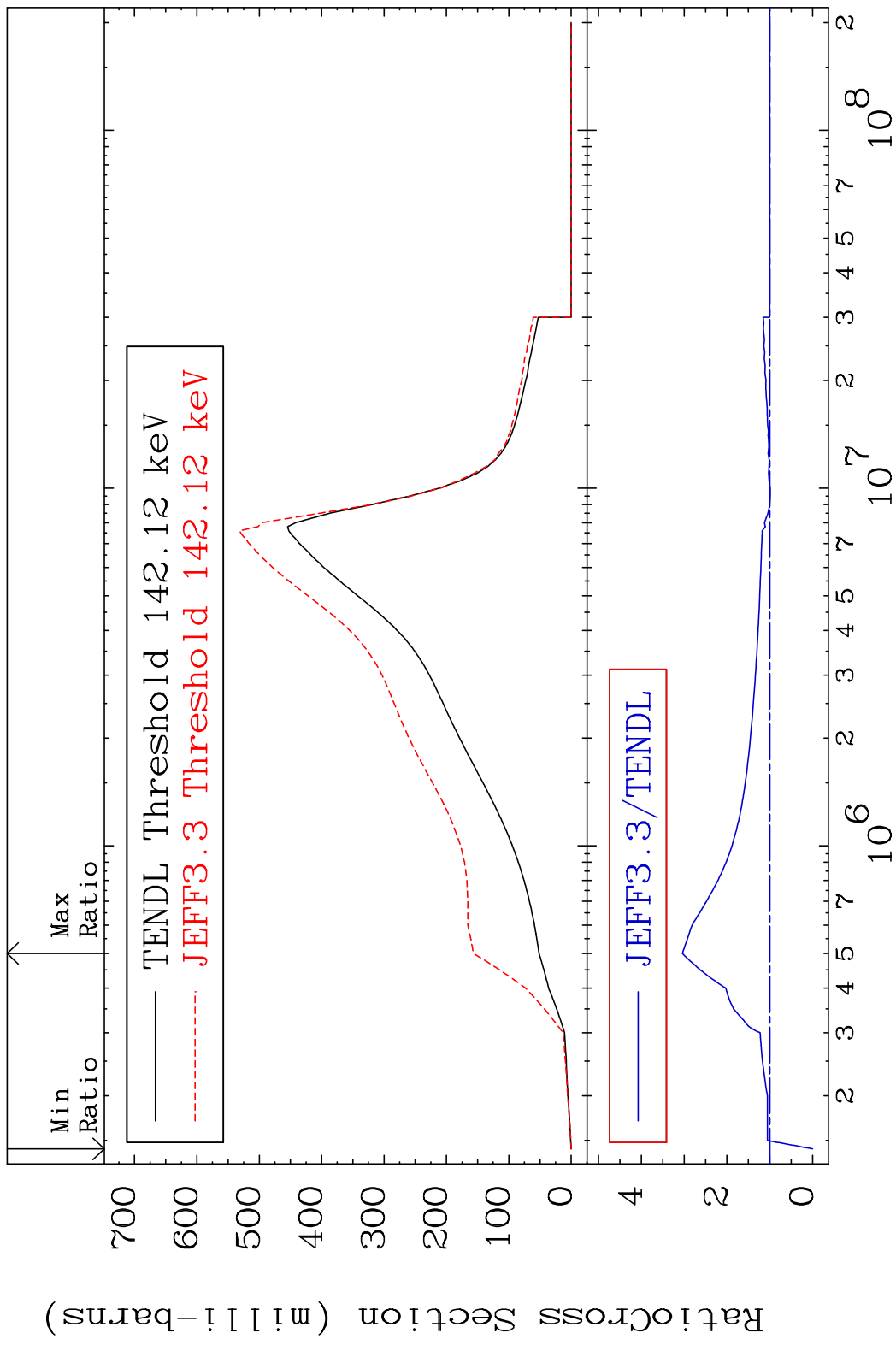


79 Incident Energy (eV) 45-Rh-102

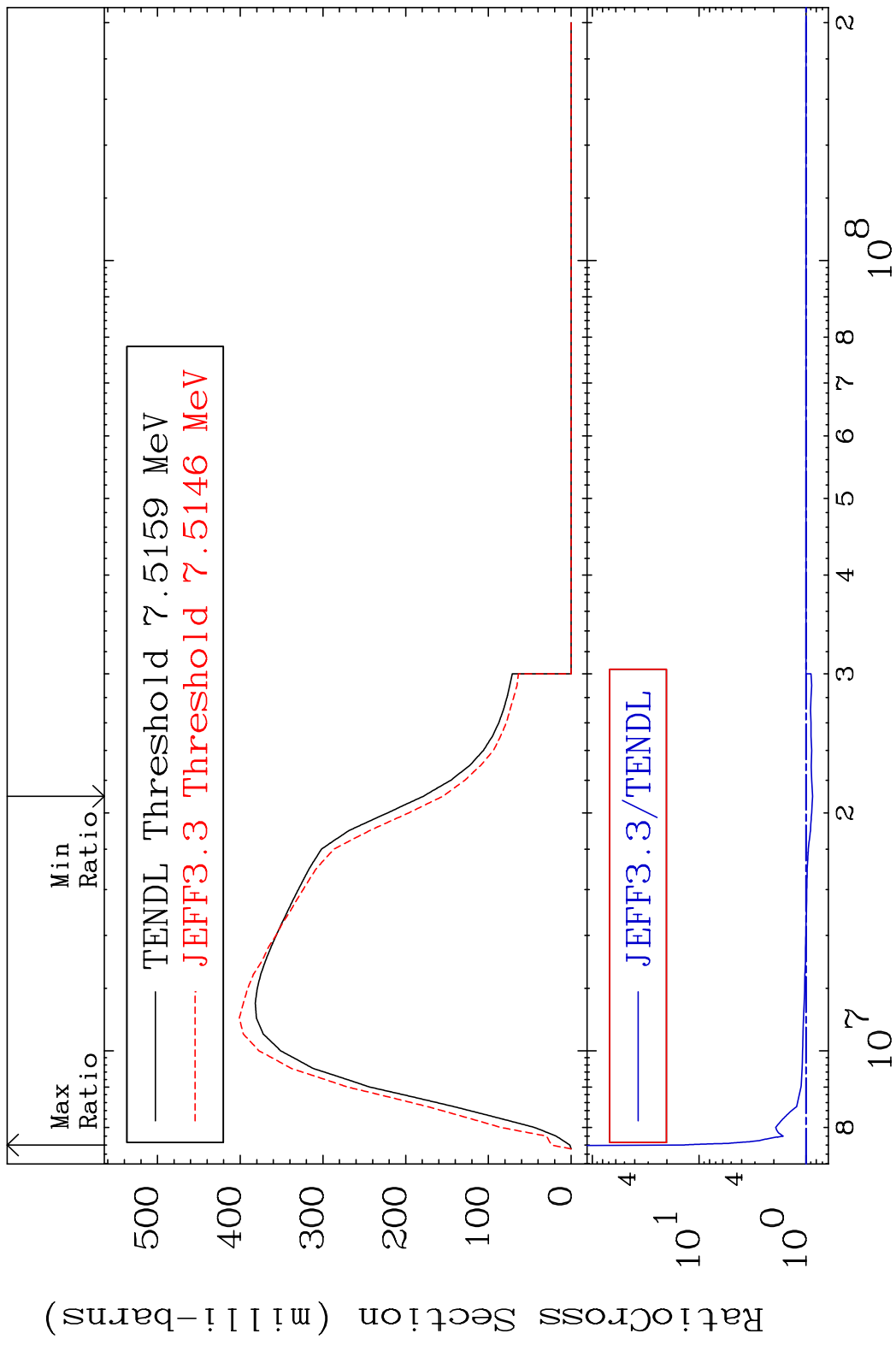
MAT 4522 Inelastic: 45-Rh-102g 45-Rh-102
 Radionuclide Production Cross Section Ratio 22.59 %



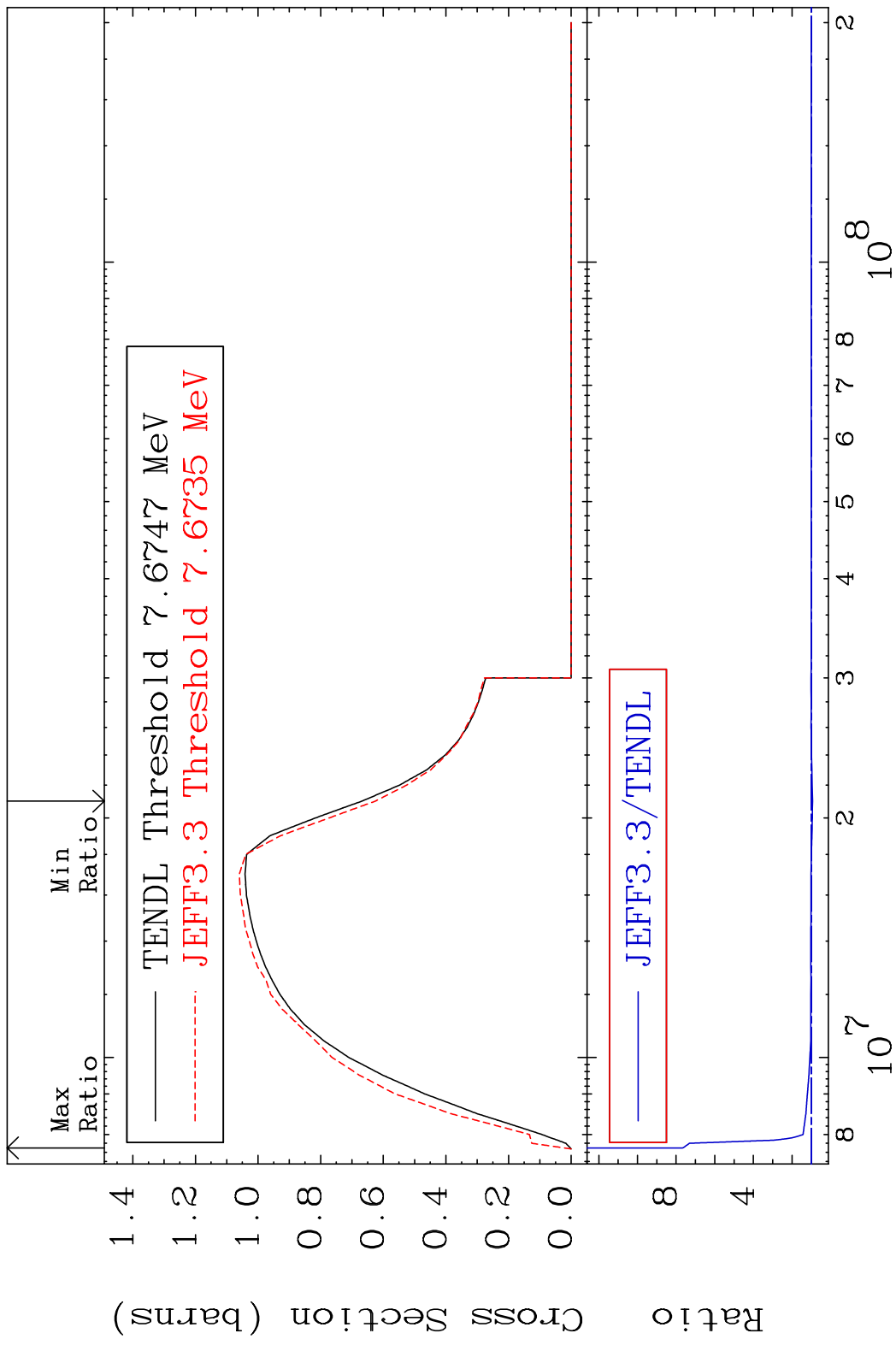
80 Incident Energy (eV) 45-Rh-102



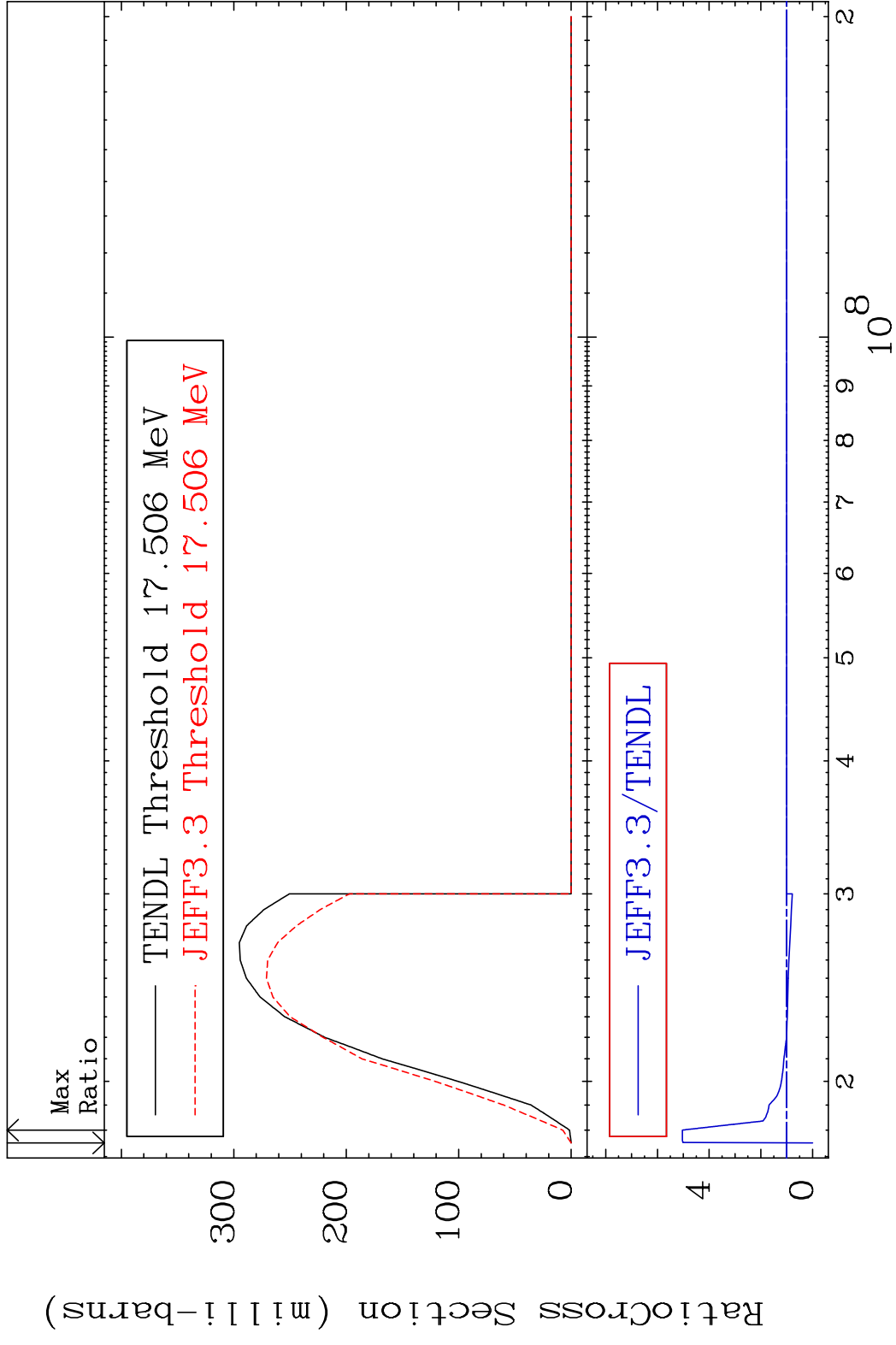
MAT 4522 (n,2n):45-Rh-101g 45-Rh-102
 Radionuclide Production Cross Section 1334. %
 1334. %



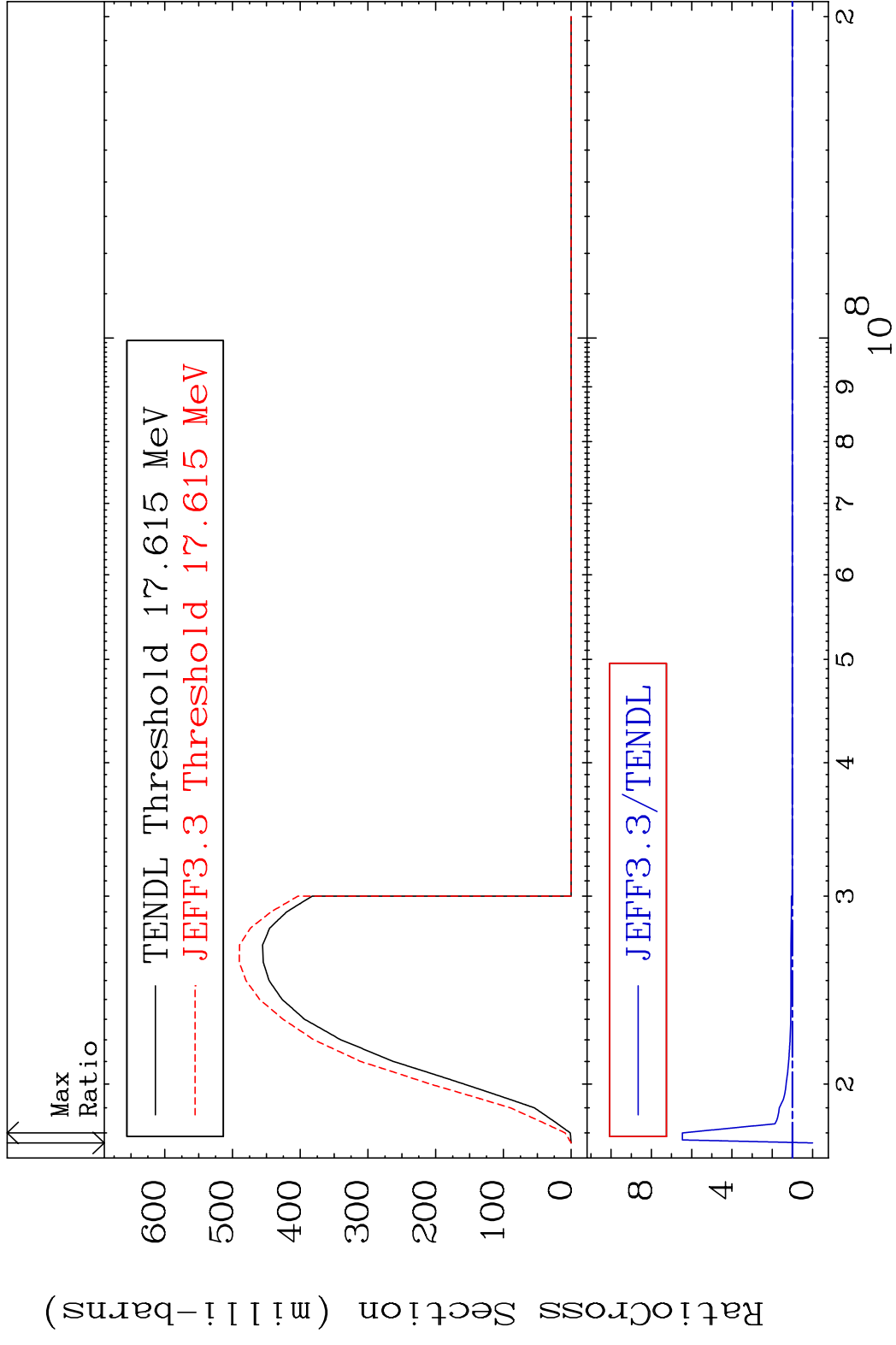
82 Incident Energy (eV) 45-Rh-102



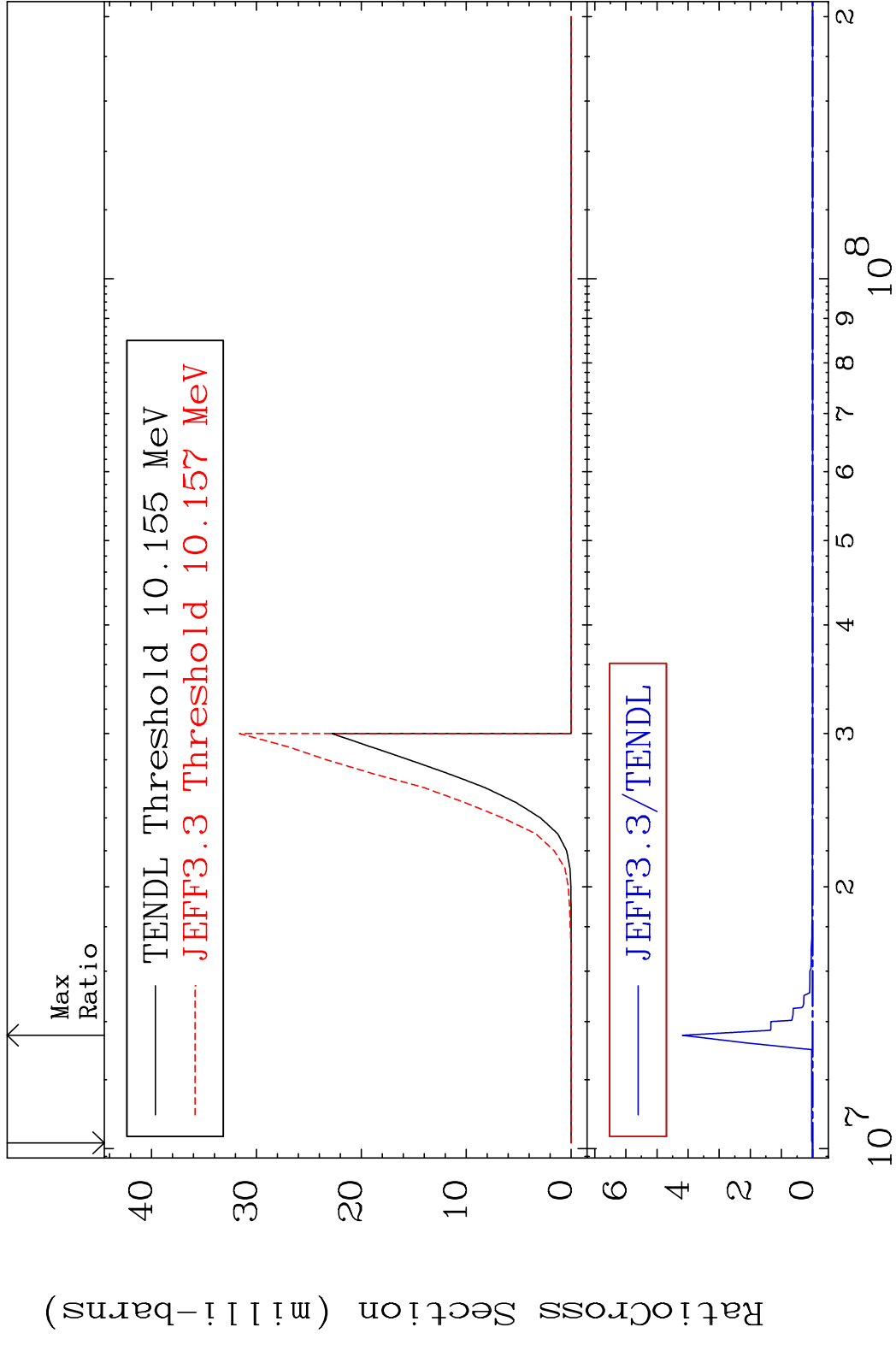
MAT 4522 (n,3n):45-Rh-100g 45-Rh-102
 Radionuclide Production Cross Section 180.0 dth 403.6 %



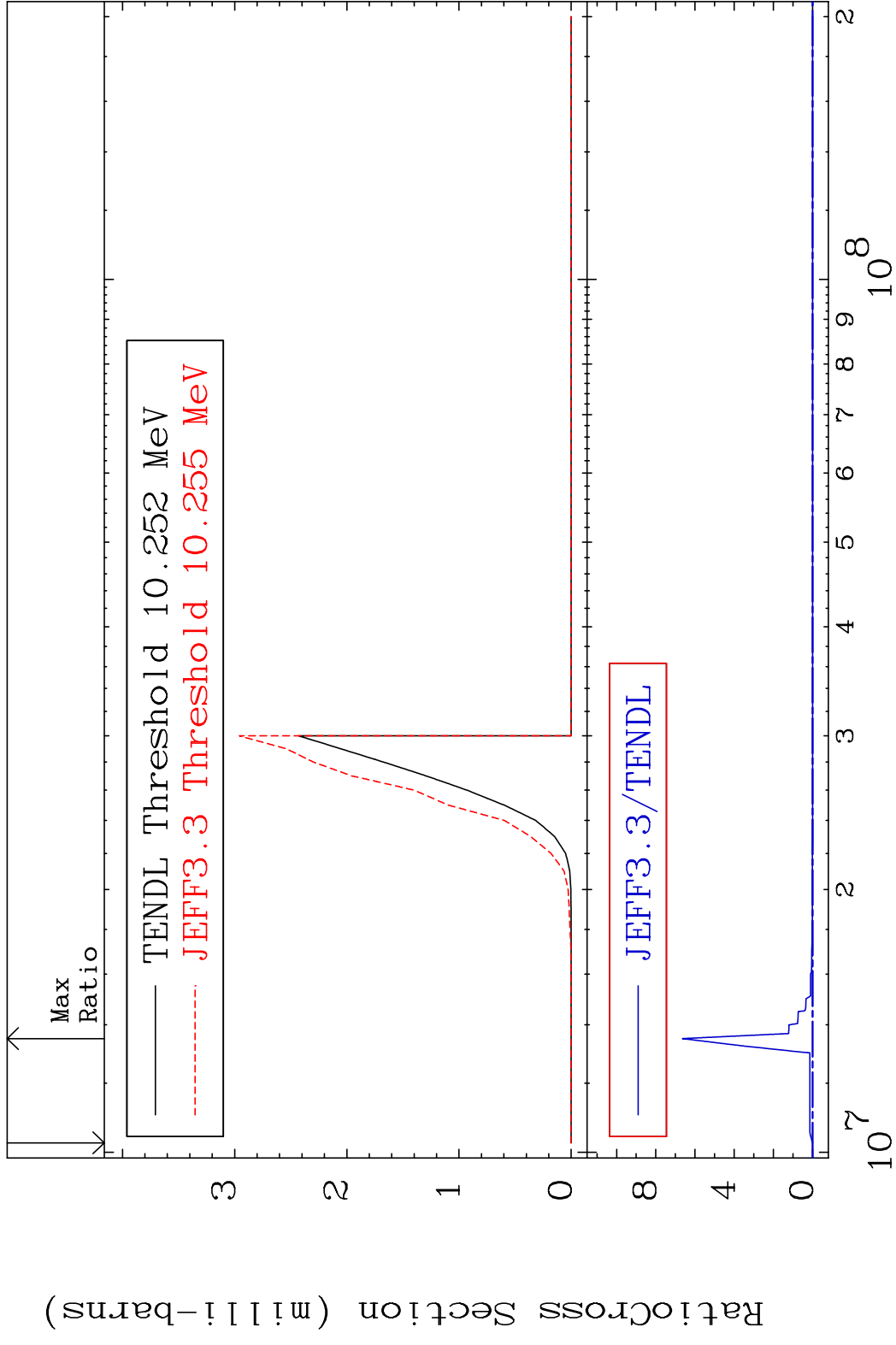
MAT 4522 (n, 3n) : 45-Rh-100m4 45-Rh-102
 Radionuclide Production Cross Section 180.0 dth 546.4 %



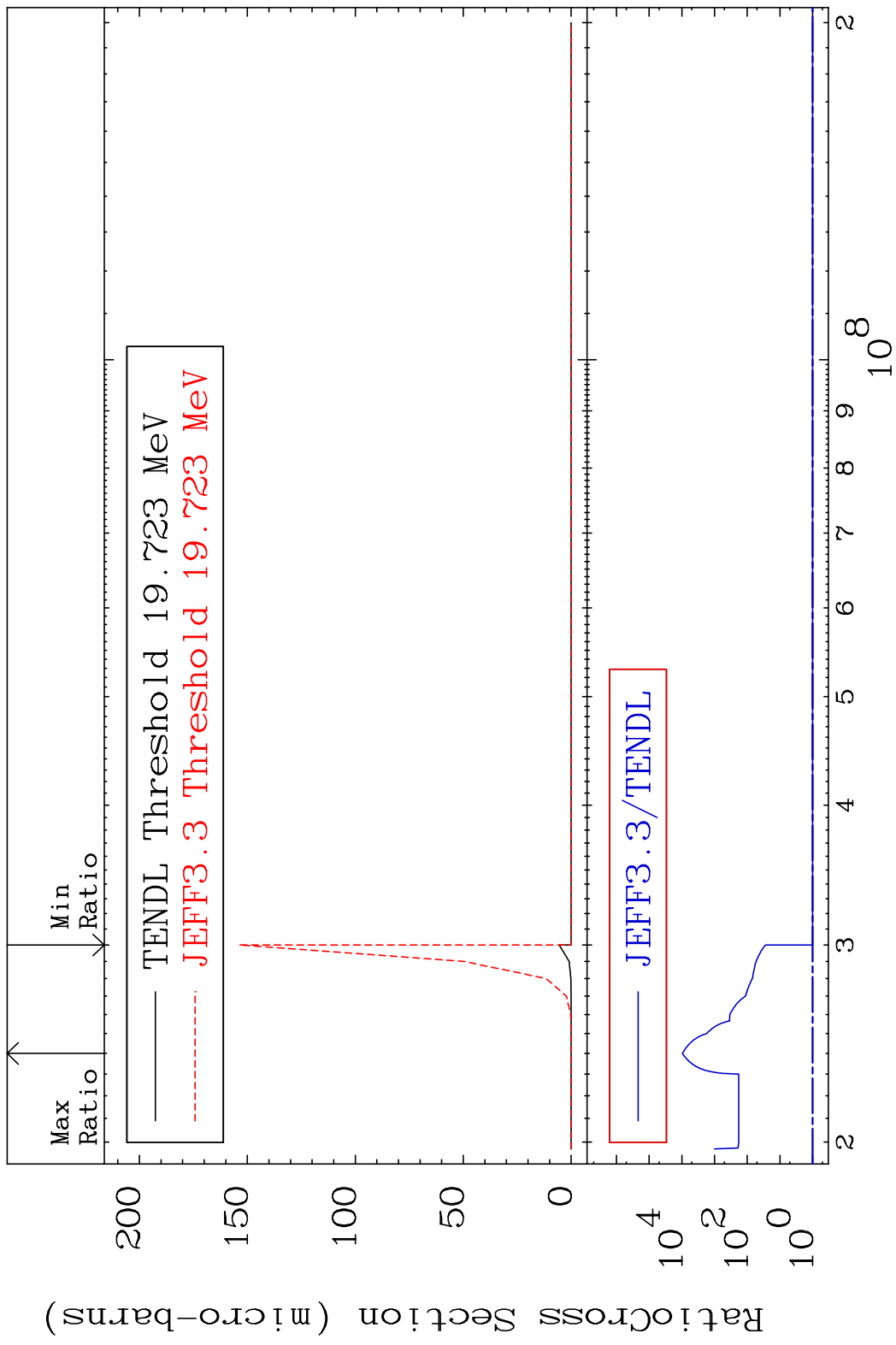
MAT 4522 (n,2n) α :43-Tc-97g 45-Rh-102
 Radionuclide Production Cross Section 100% 9999. %

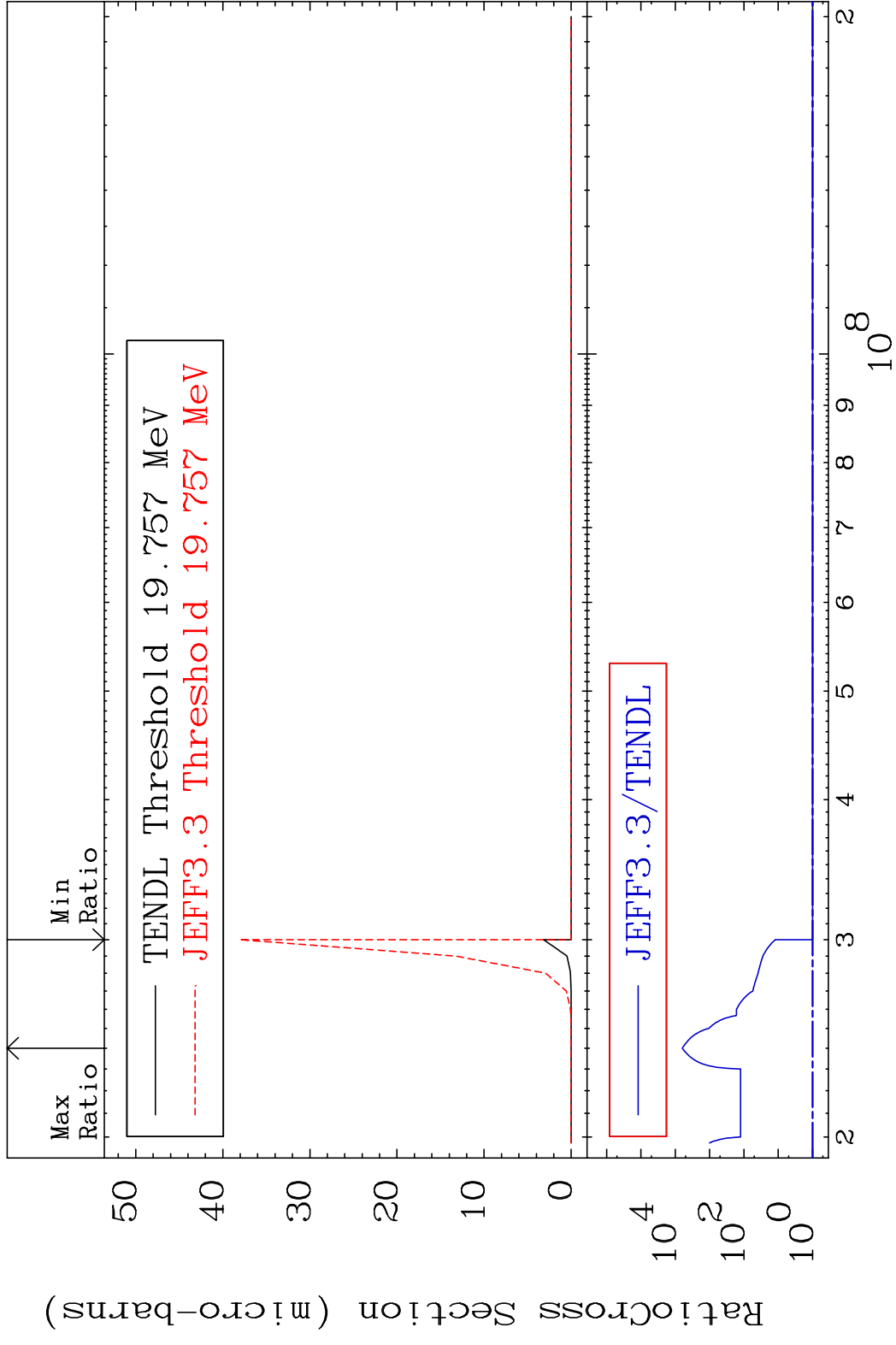


MAT 4522 (n,2n) α :43-Tc-97m1 45-Rh-102
 Radionuclide Production Cross Section Ratio 9999. %

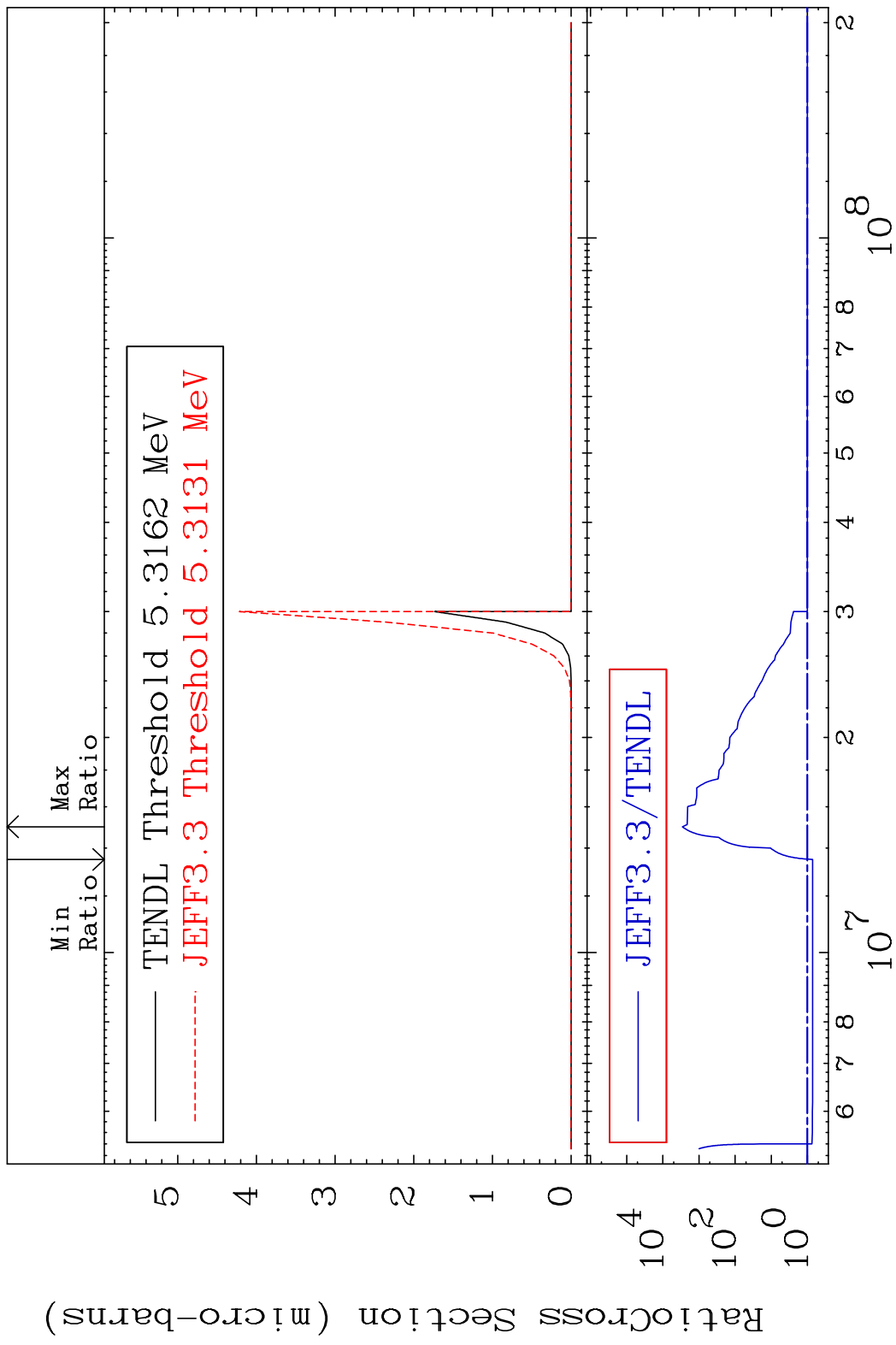


MAT 4522 (n, 3n) α : 43-Tc-96g 45-Rh-102
 Radionuclide Production Cross Section 9999. %

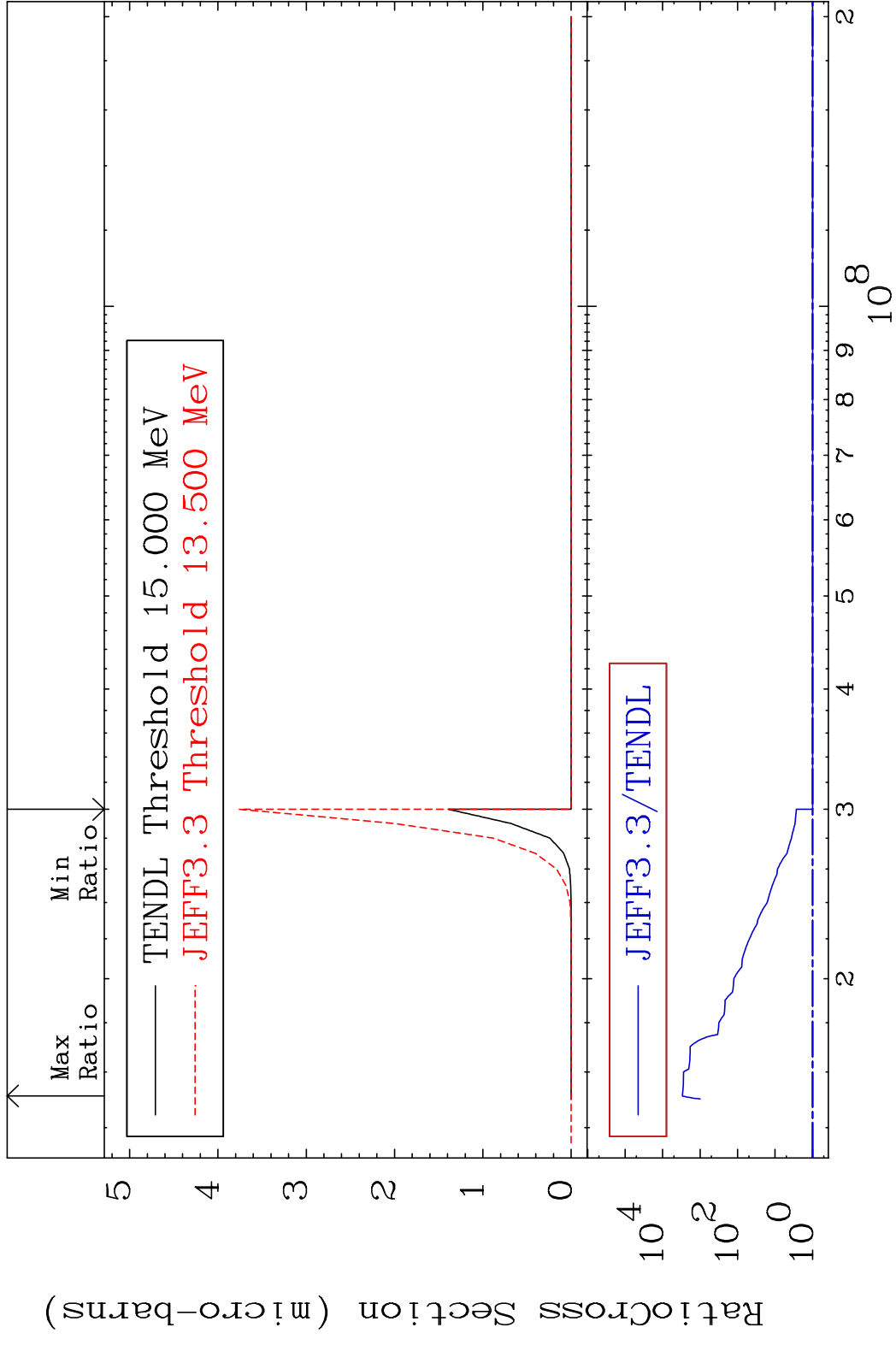


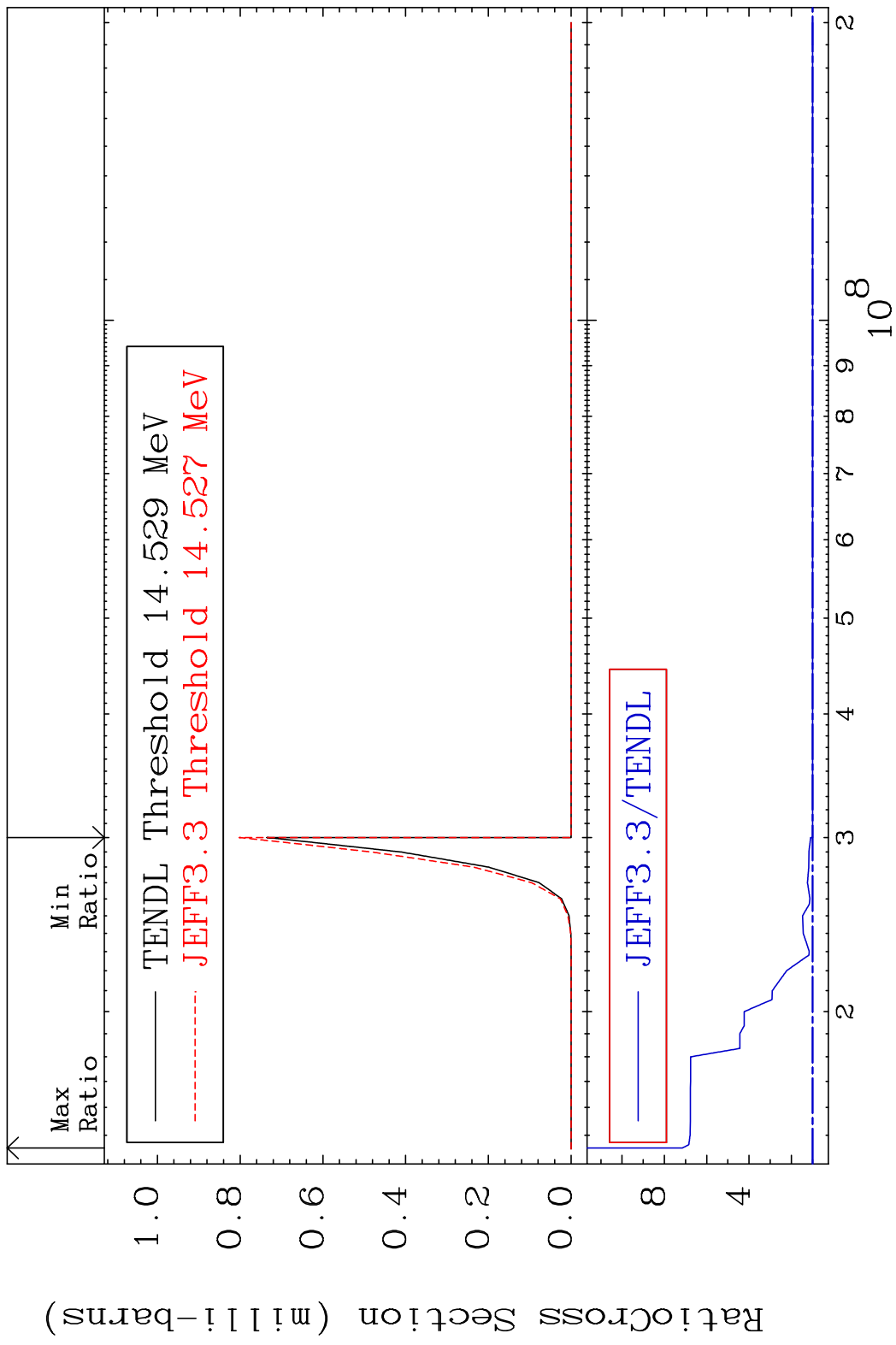


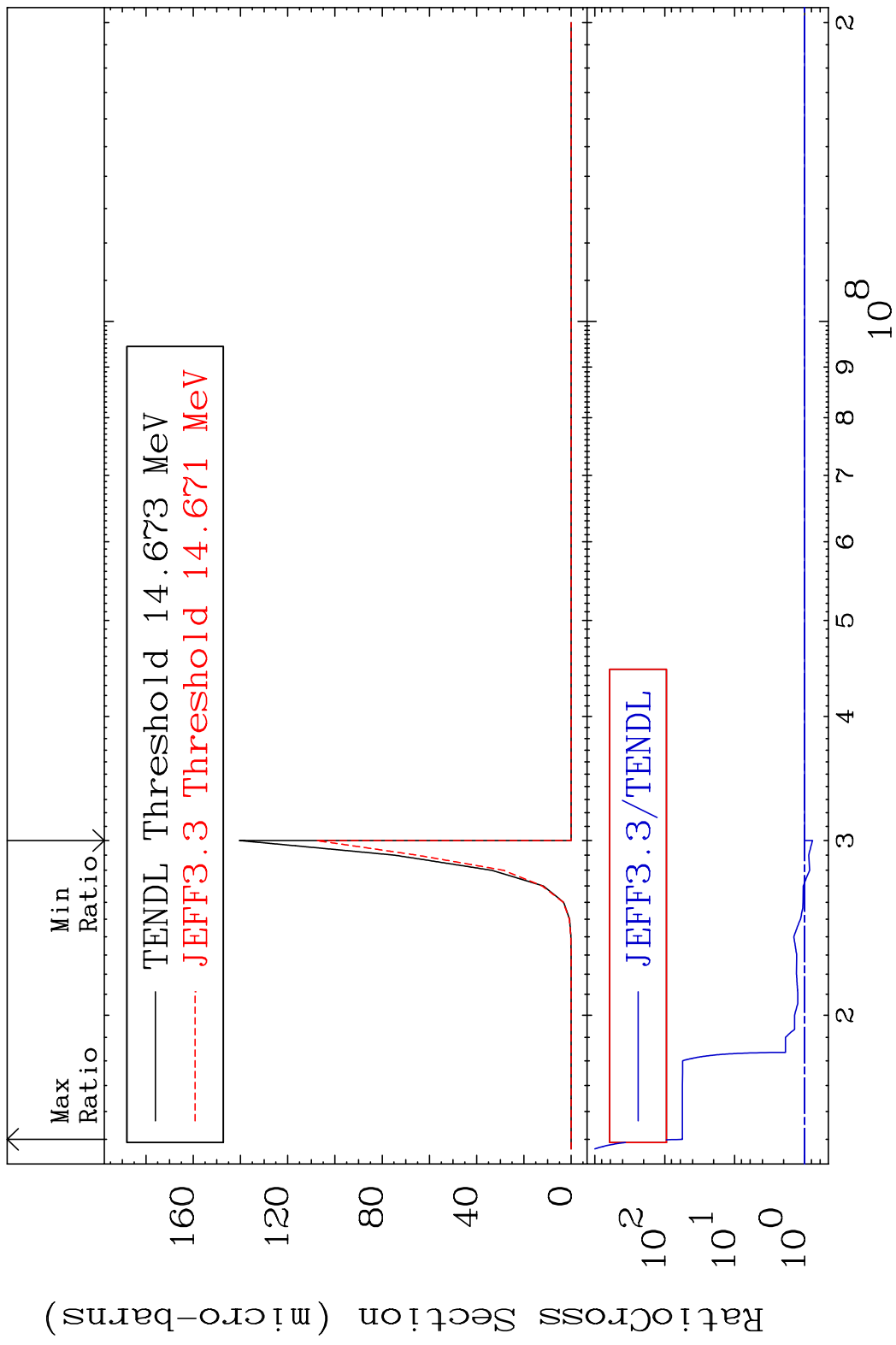
MAT 4522 (n, n') 2α:41-Nb-94g 45-Rh-102
 Radionuclide Production Cross Section 9999. %



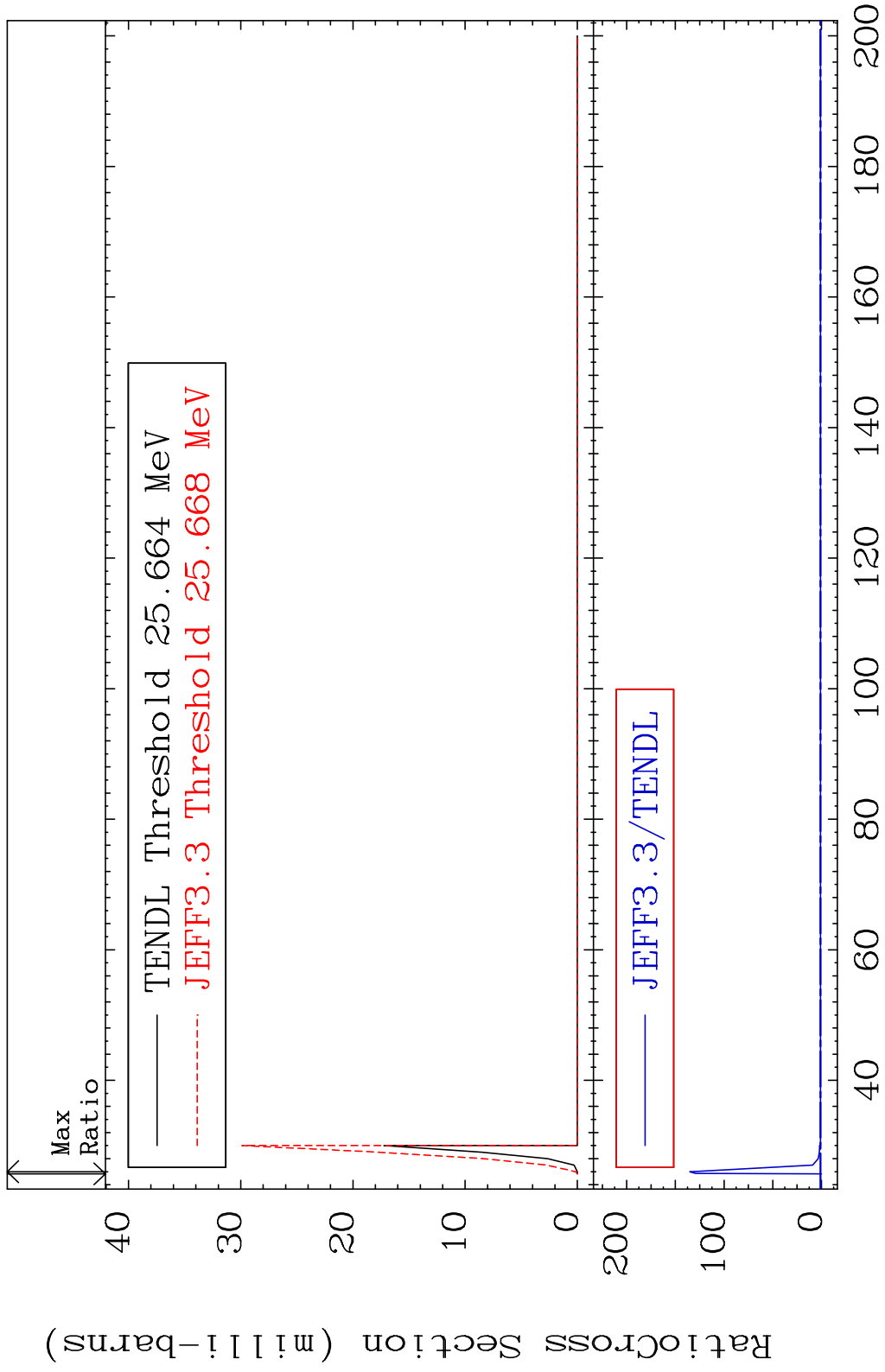
90 Incident Energy (eV) 45-Rh-102



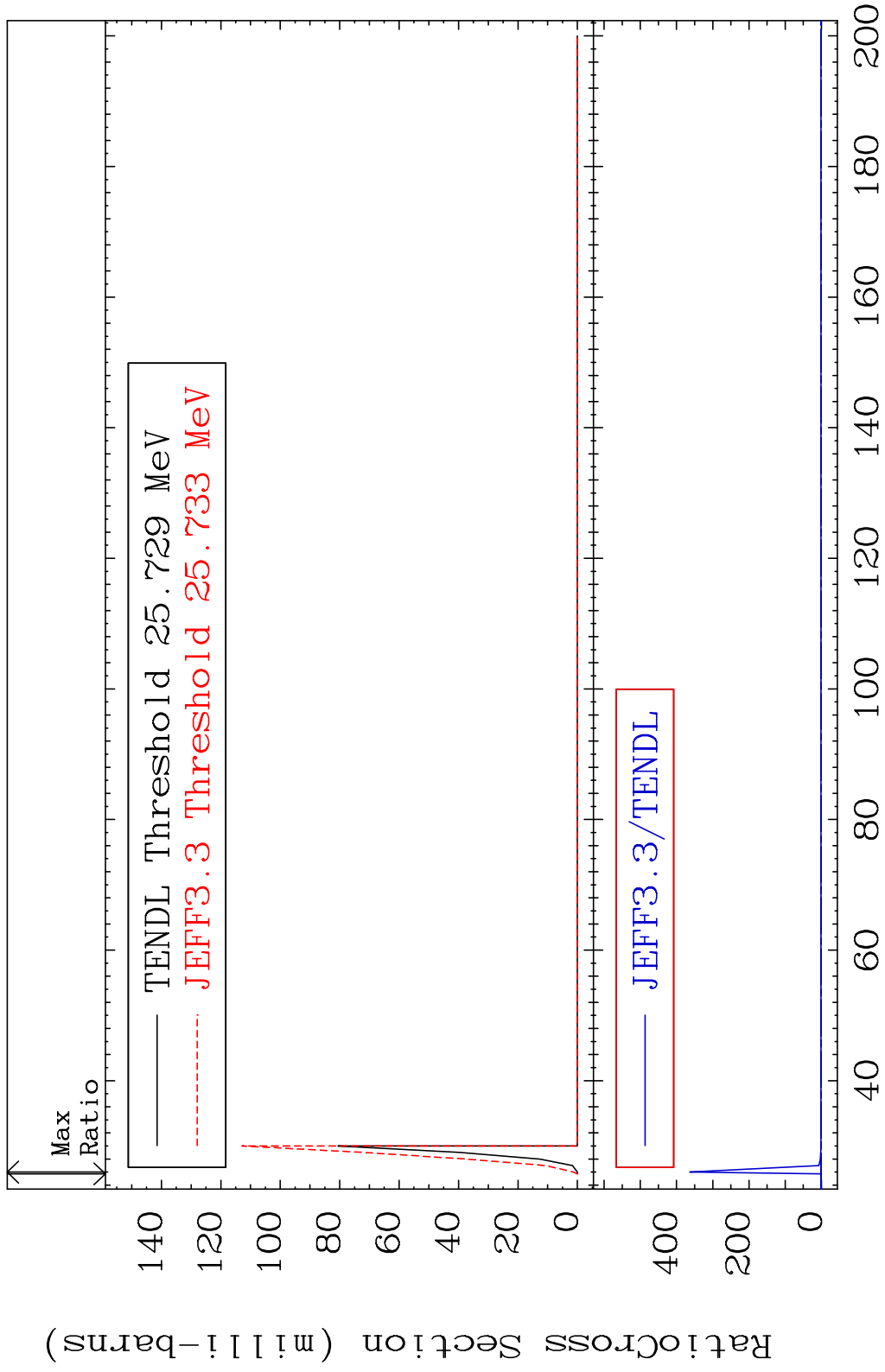




MAT 4522 (n,4n):45-Rh-99g 45-Rh-102
 Radionuclide Production Cross Section (%)



MAT 4522 (n,4n) : 45-Rh-99m1 45-Rh-102
 Radionuclide Production Cross Section Ratio 9999. %



95 45-Rh-102

