

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

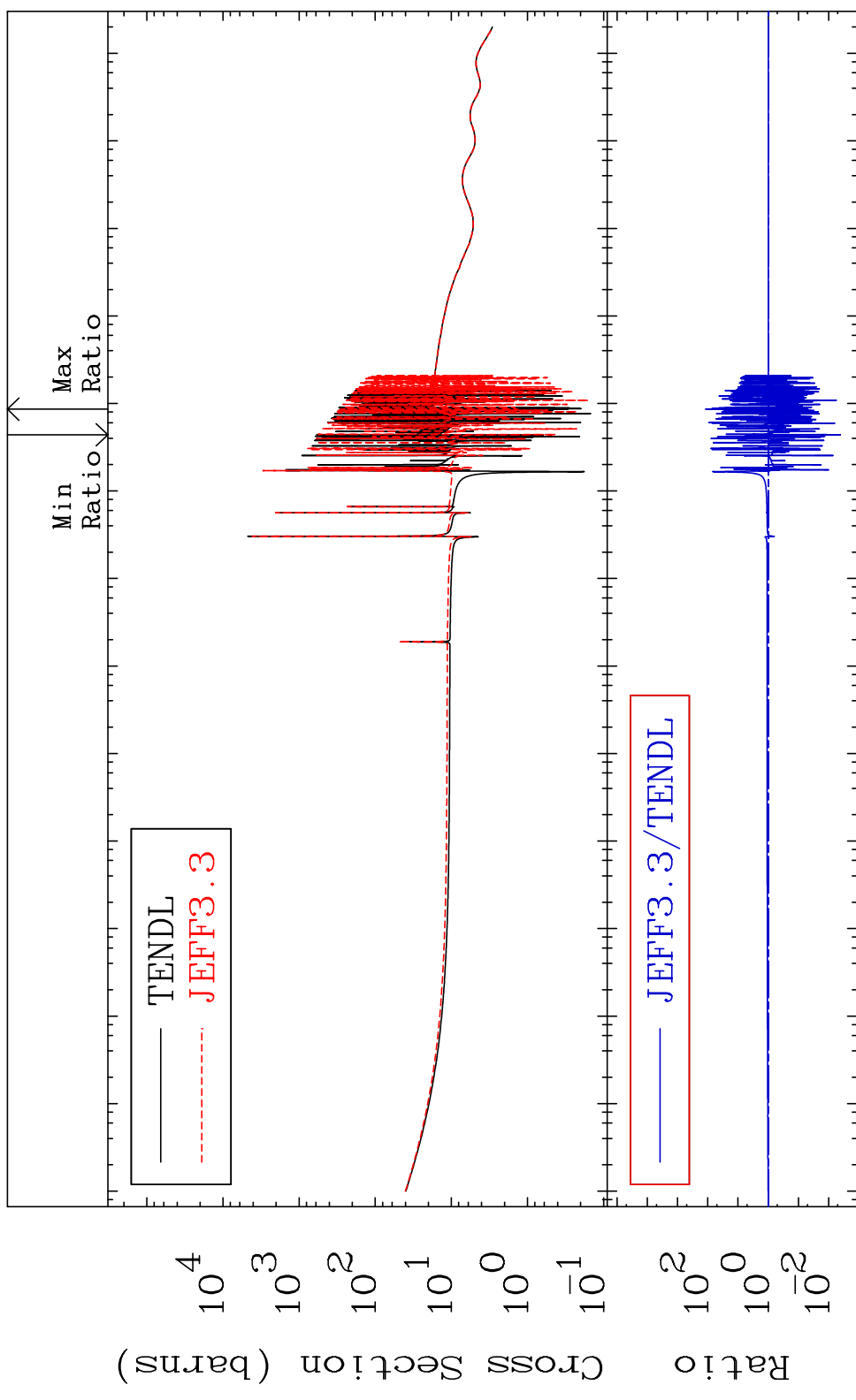
MAT 7843

Total

78-Pt-196

Cross Section

-99.59 To 9999. %



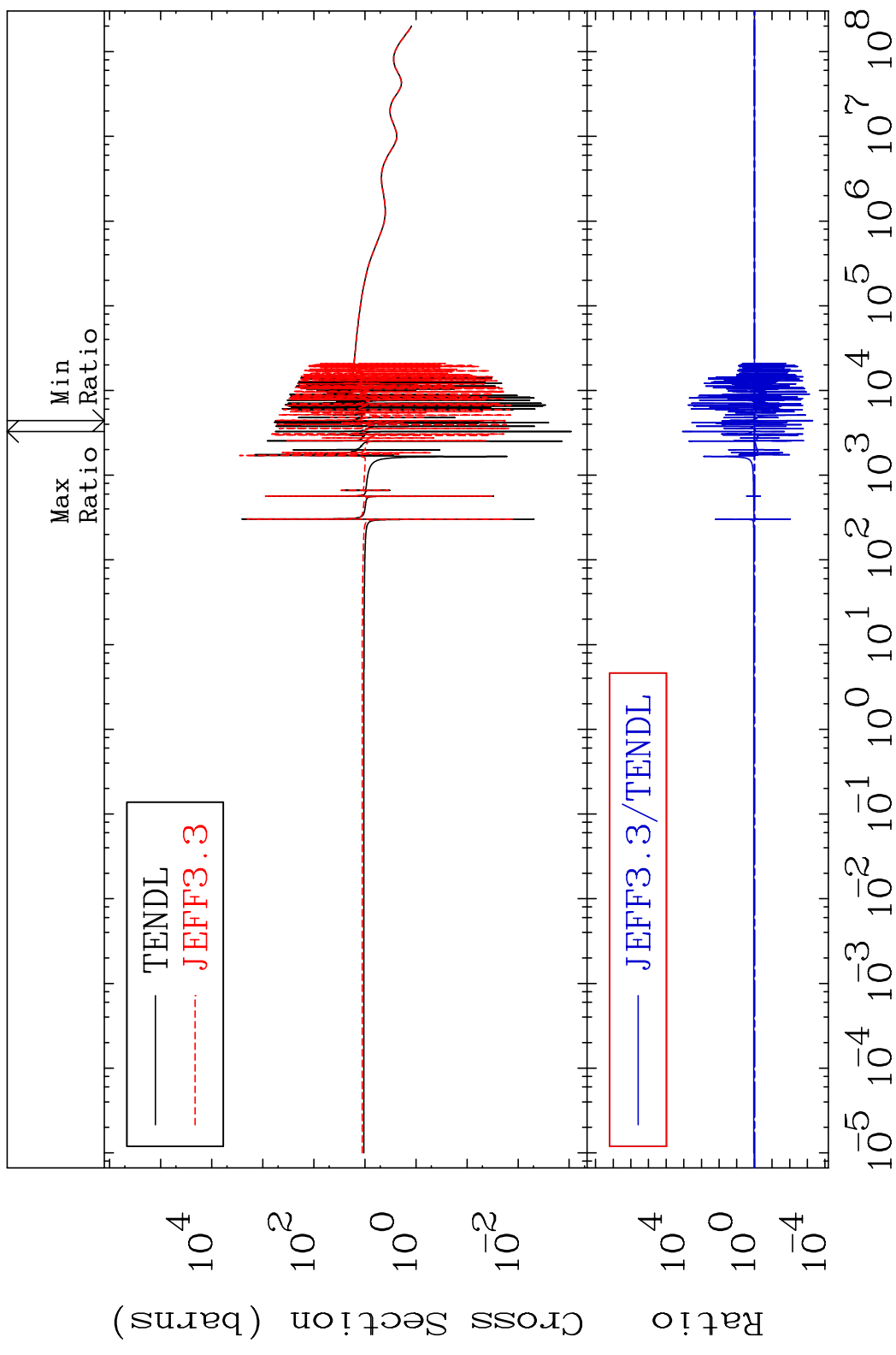
1

Incident Energy (eV)

78-Pt-196

MAT 7843

Elastic Cross Section -99.95 To 9999. % 78-Pt-196

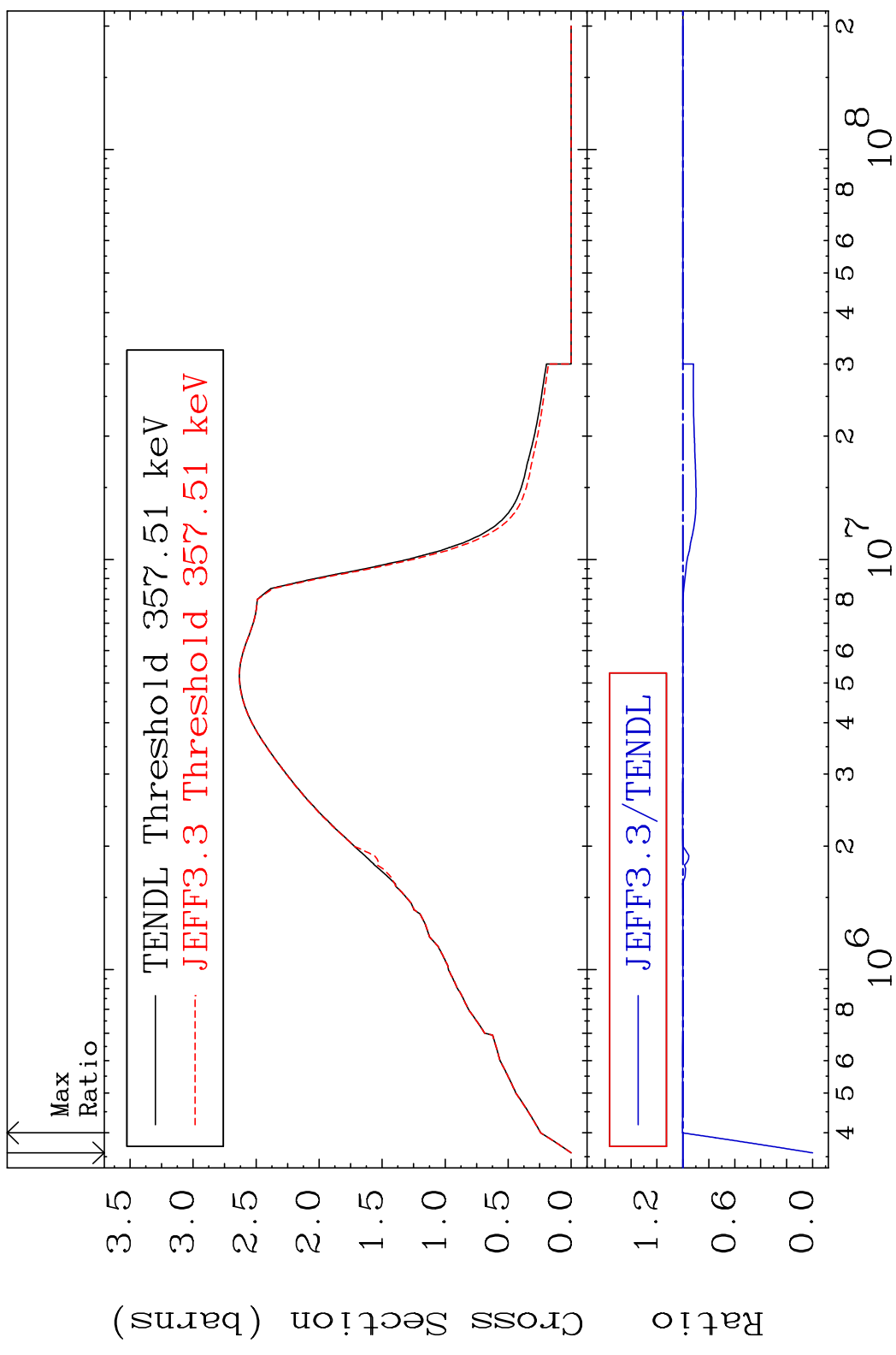


MAT 7843

Inelastic

78-Pt-196

Cross Section -100.0 To 0.394 %

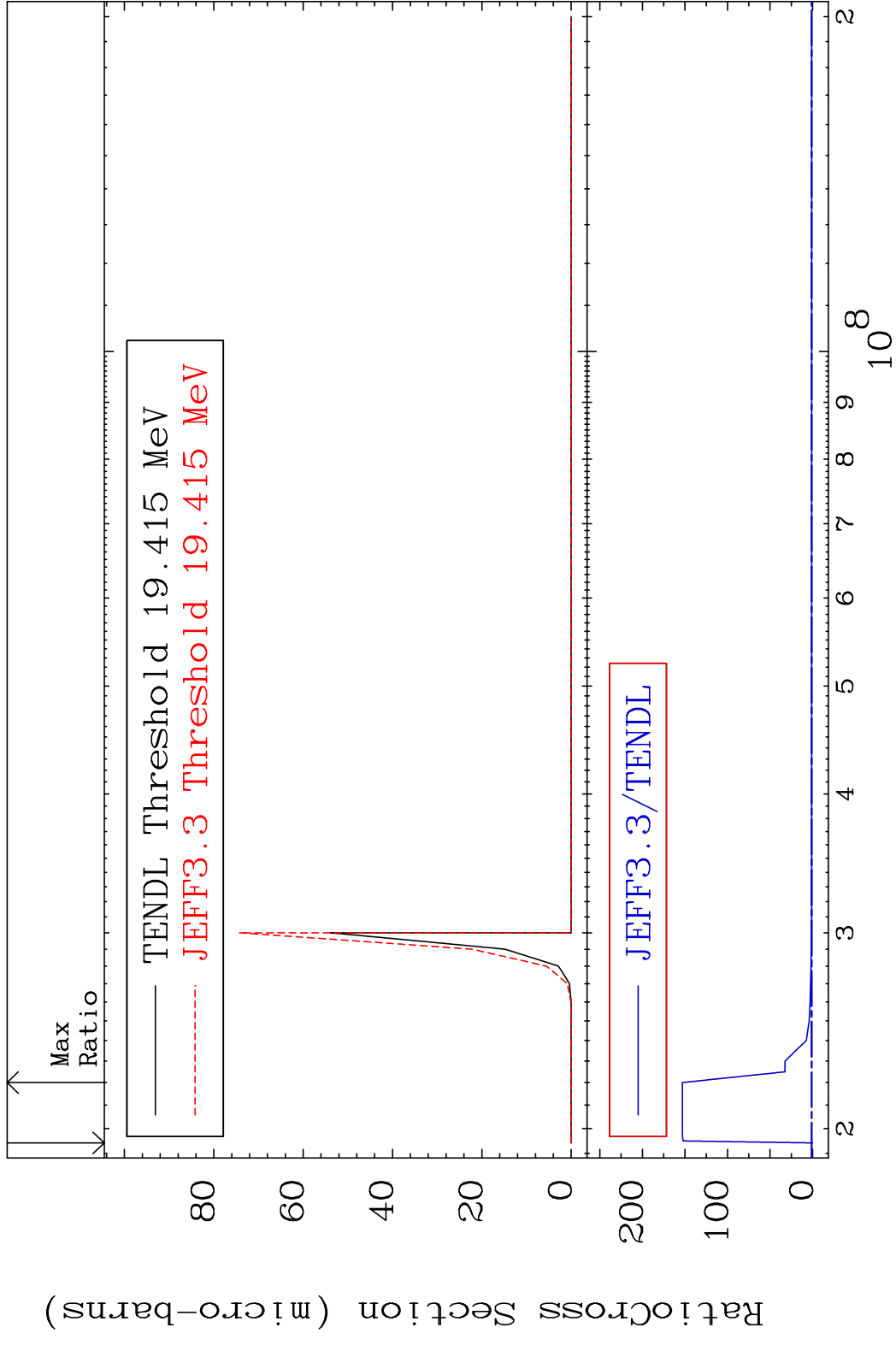


MAT 7843

(n,2n) d

78-Pt-196

Cross Section -100.0 To 9999. %



4

Incident Energy (eV)

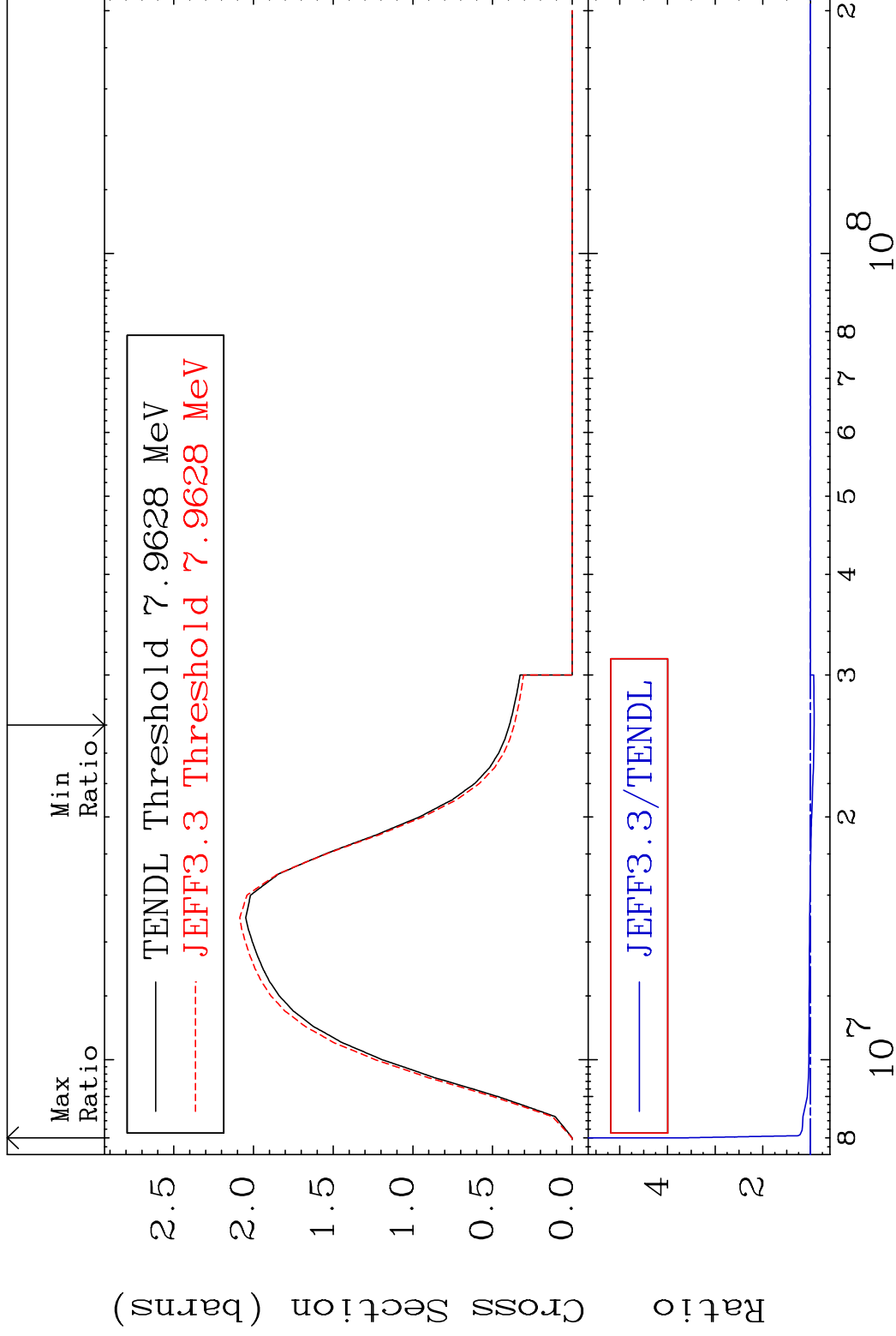
78-Pt-196

MAT 7843

(n,2n)

78-Pt-196

Cross Section -7.492 To 266.0 %



5

Incident Energy (eV)

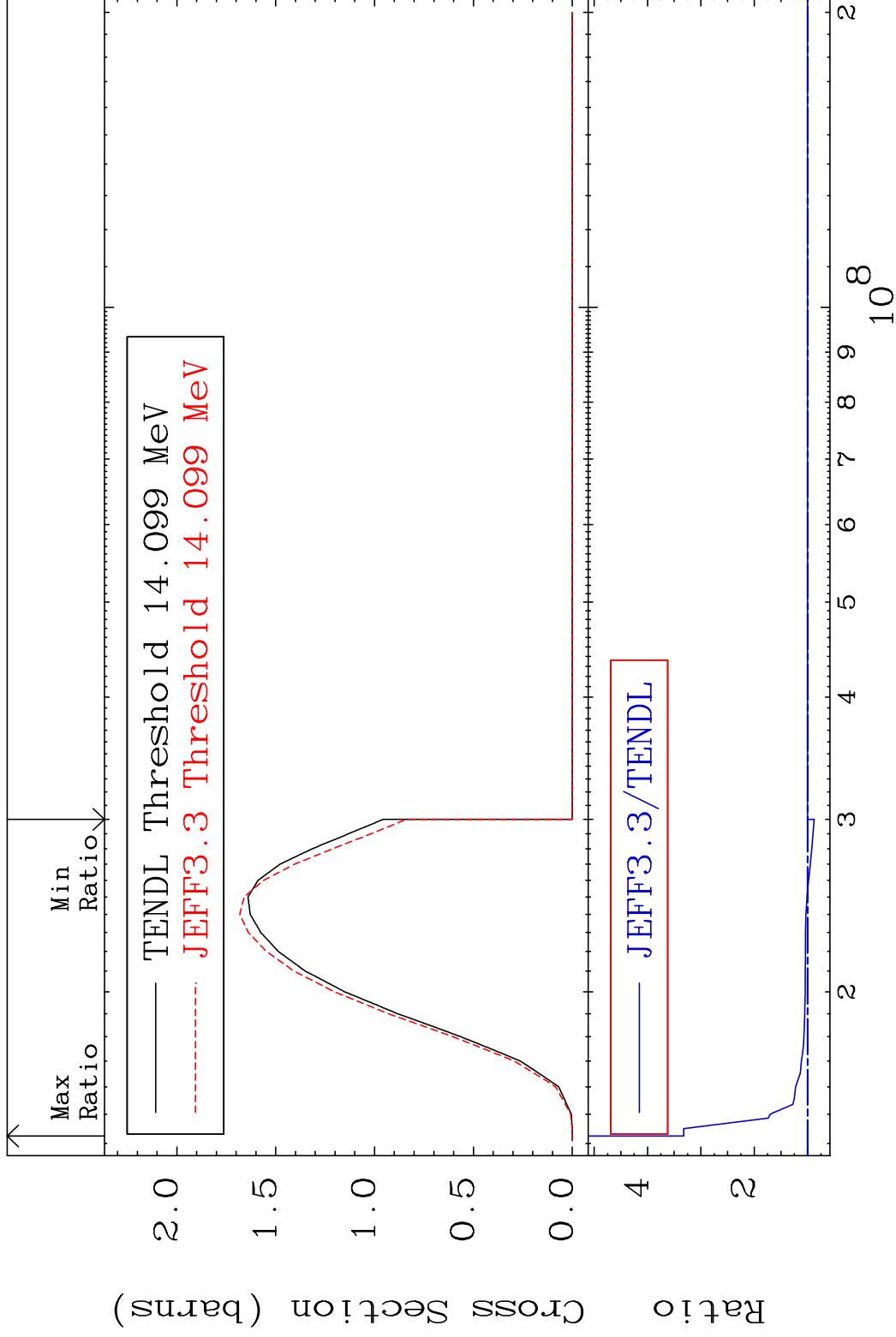
78-Pt-196

MAT 7843

(n,3n)

78-Pt-196

Cross Section -12.17 To 232.3 %

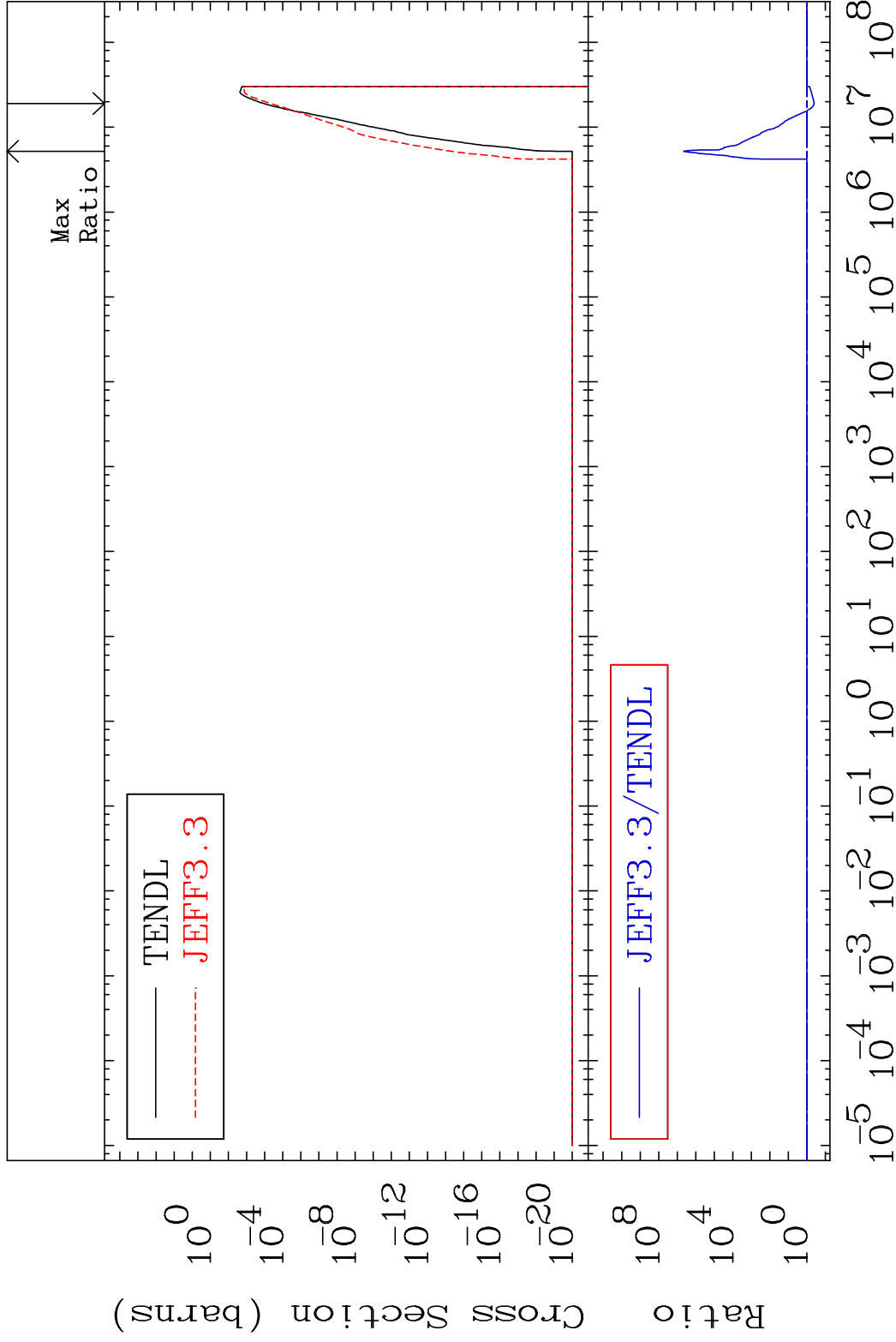


MAT 7843

(n, n') α

78-Pt-196

Cross Section -59.27 To 9999. %

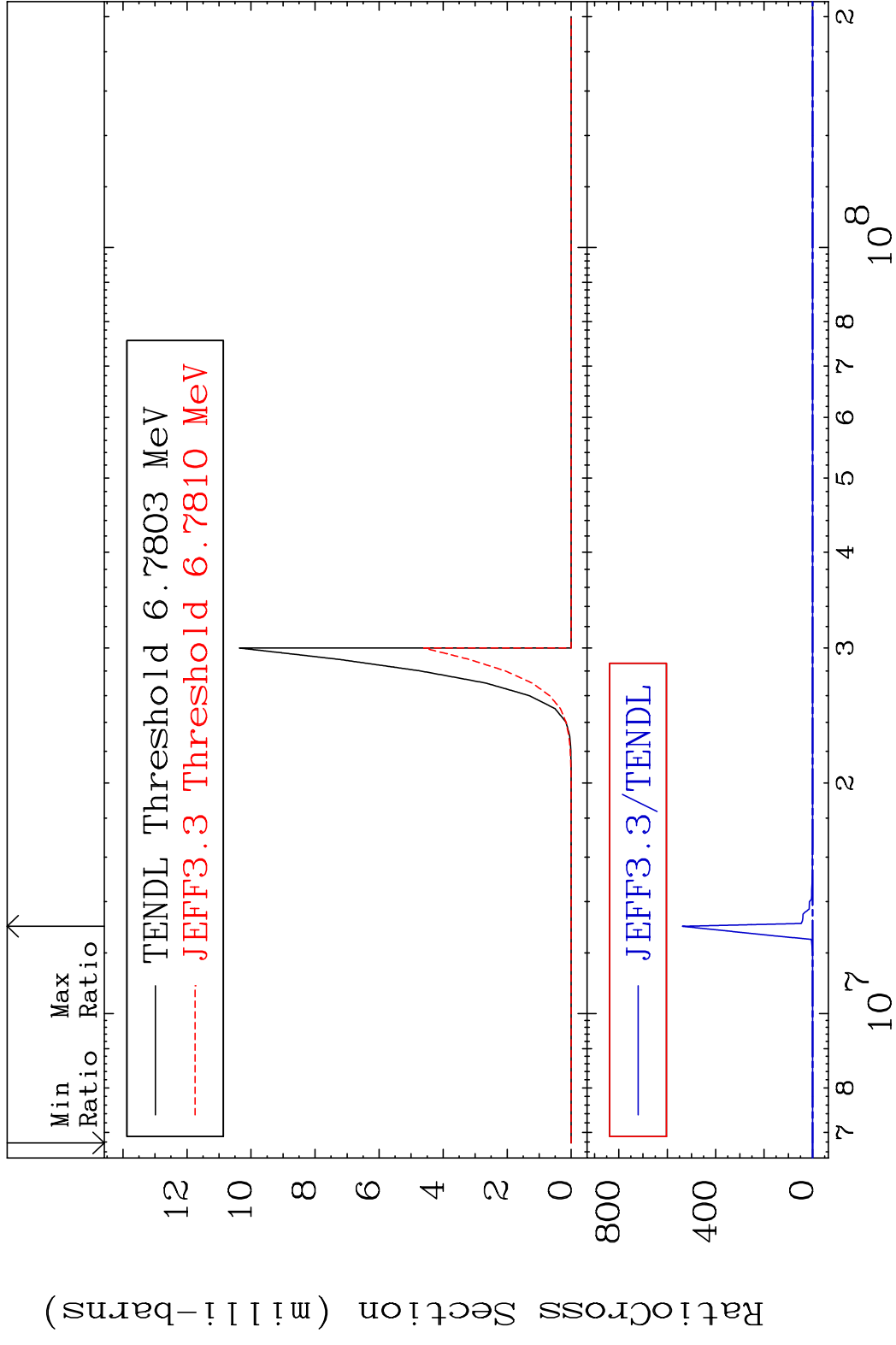


7

Incident Energy (eV)

78-Pt-196

MAT 7843 (n,2n) α 78-Pt-196
 Cross Section -100.0 To 9999. %

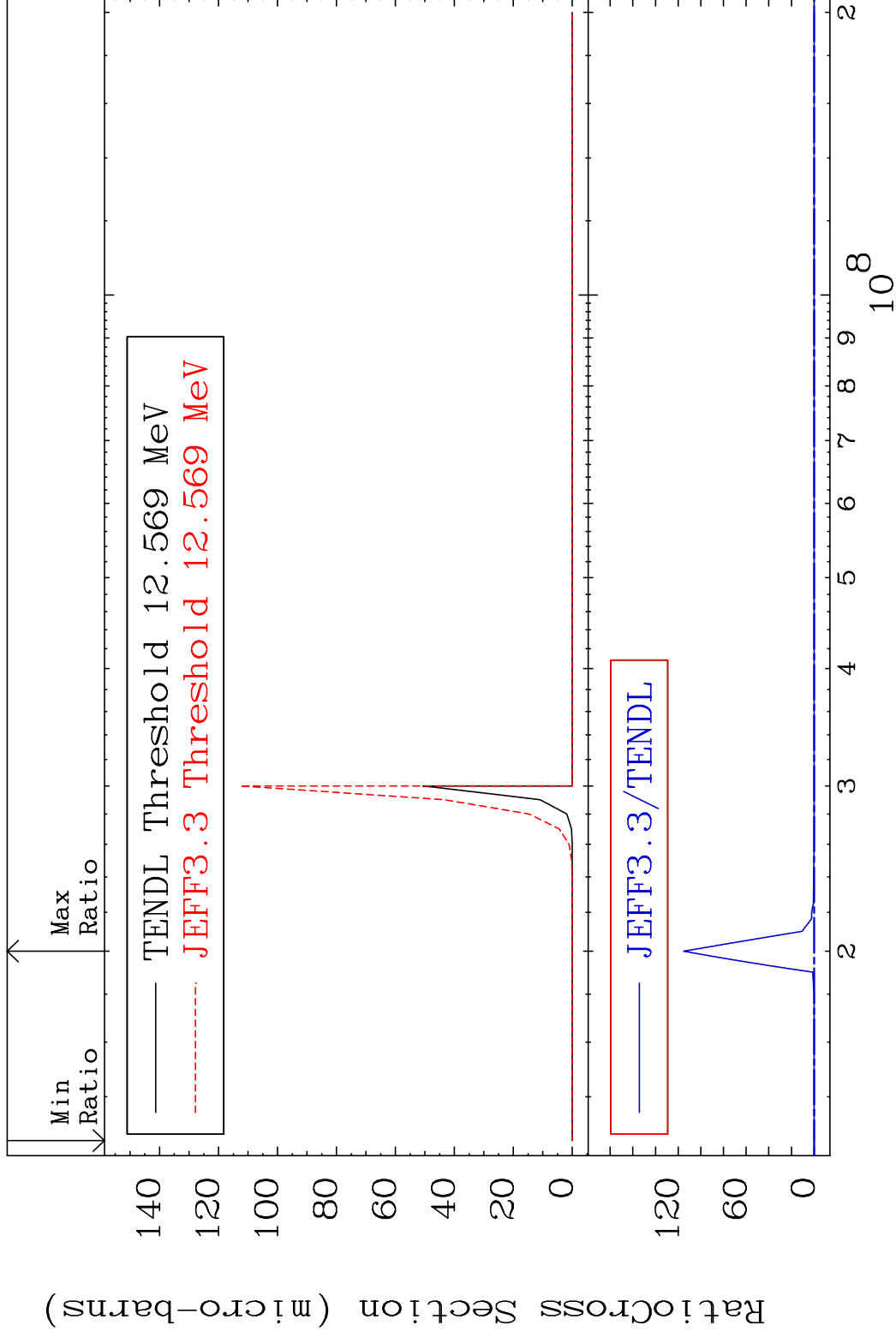


MAT 7843

(n,3n) α

78-Pt-196

Cross Section -100.0 To 9999. %

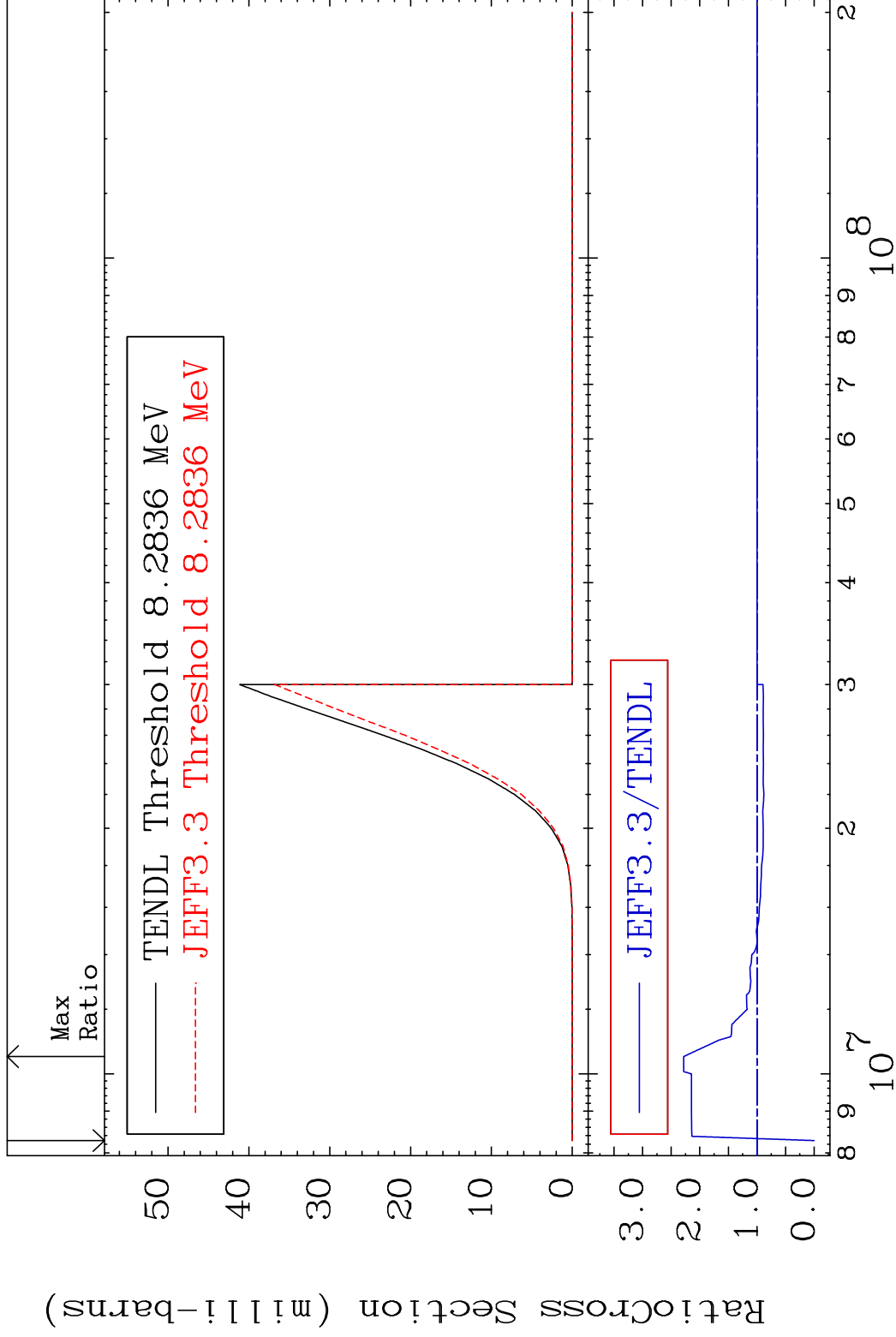


MAT 7843

(n, n') p

78-Pt-196

Cross Section -100.0 To 128.2 %



10

Incident Energy (eV)

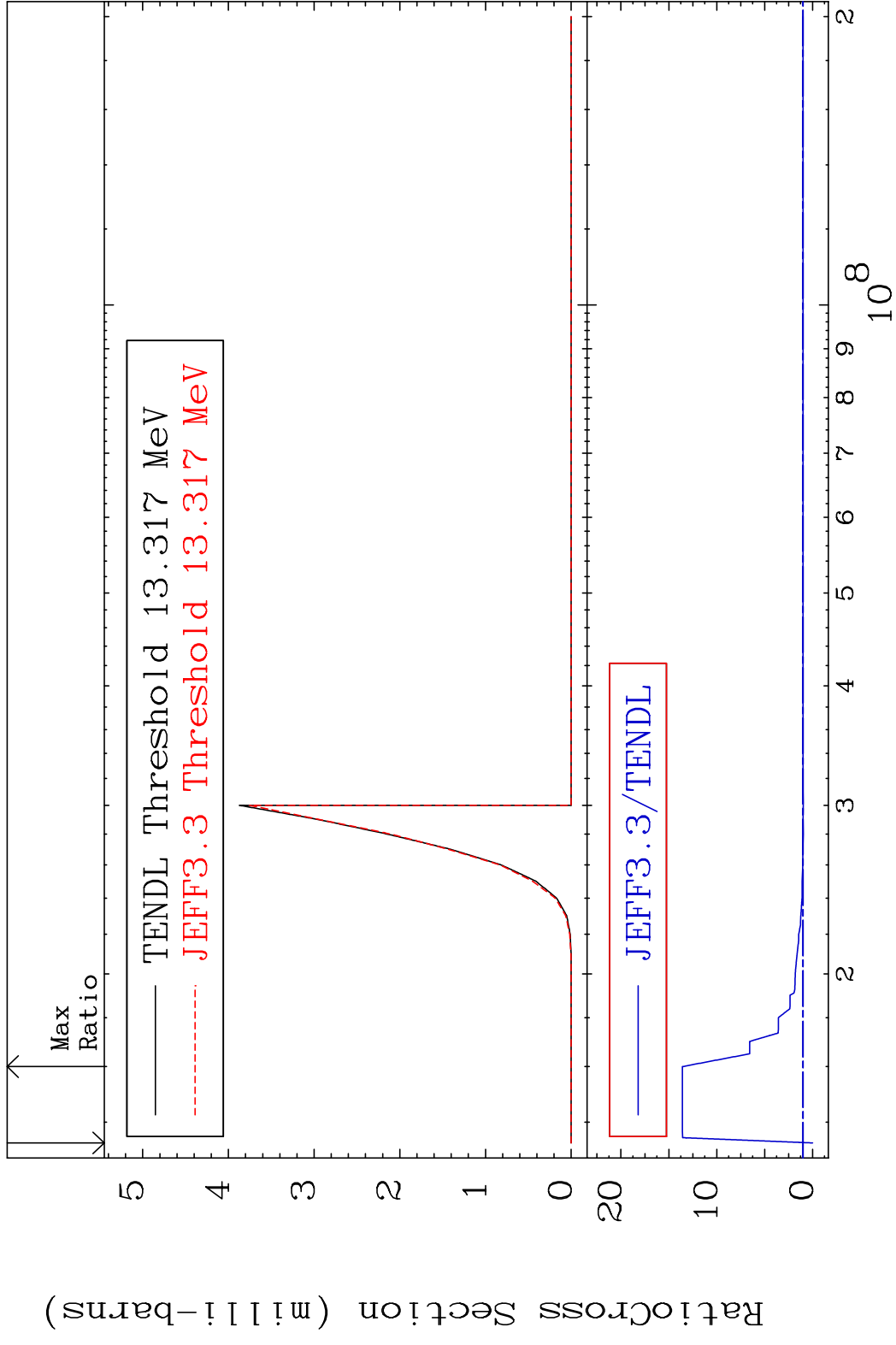
78-Pt-196

MAT 7843

(n, n') d

78-Pt-196

Cross Section -100.0 To 1259. %

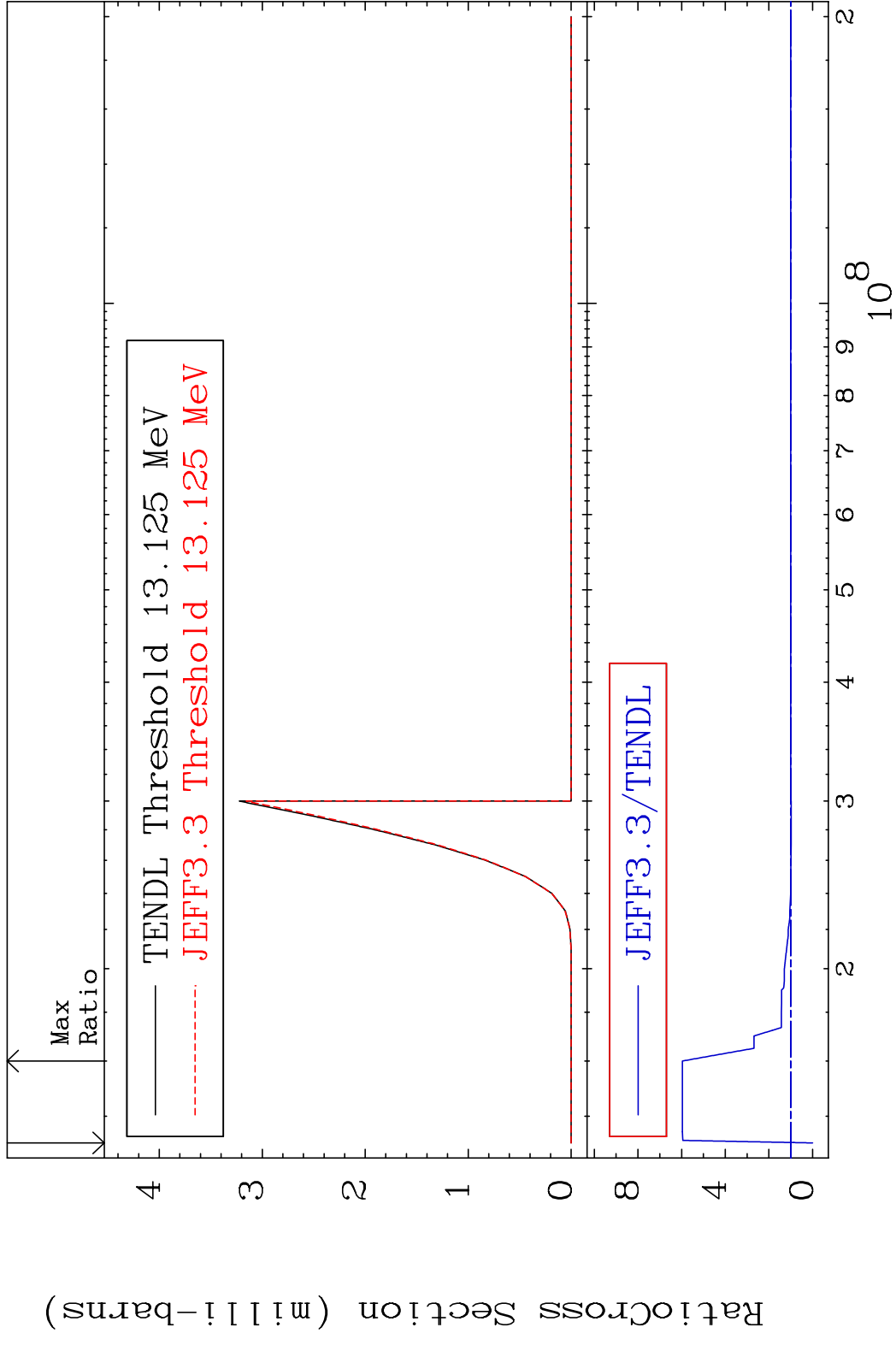


MAT 7843

(n, n') t

78-Pt-196

Cross Section -100.0 To 496.6 %

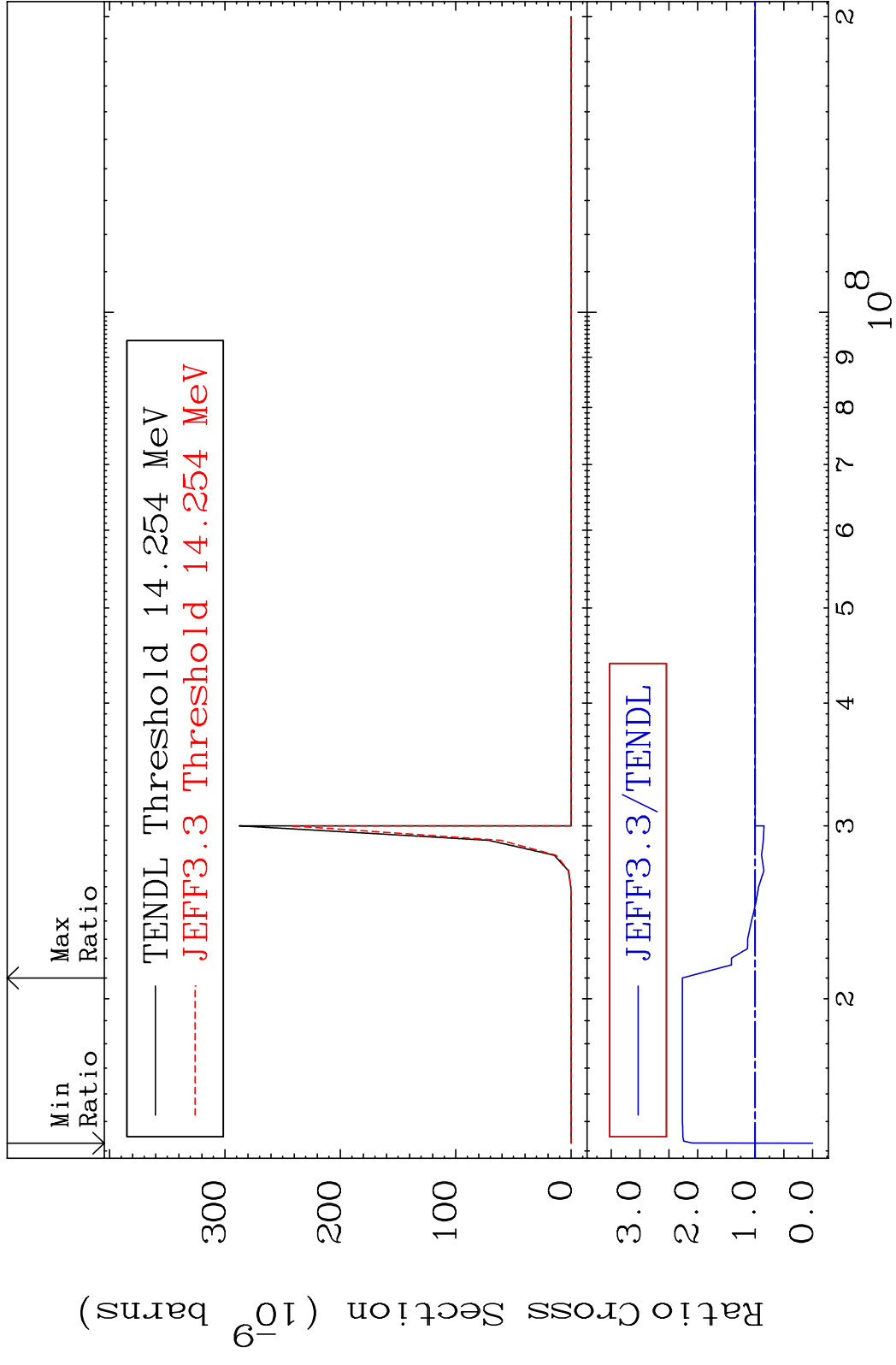


MAT 7843

(n,n') He-3

78-Pt-196

Cross Section -100.0 To 126.5 %

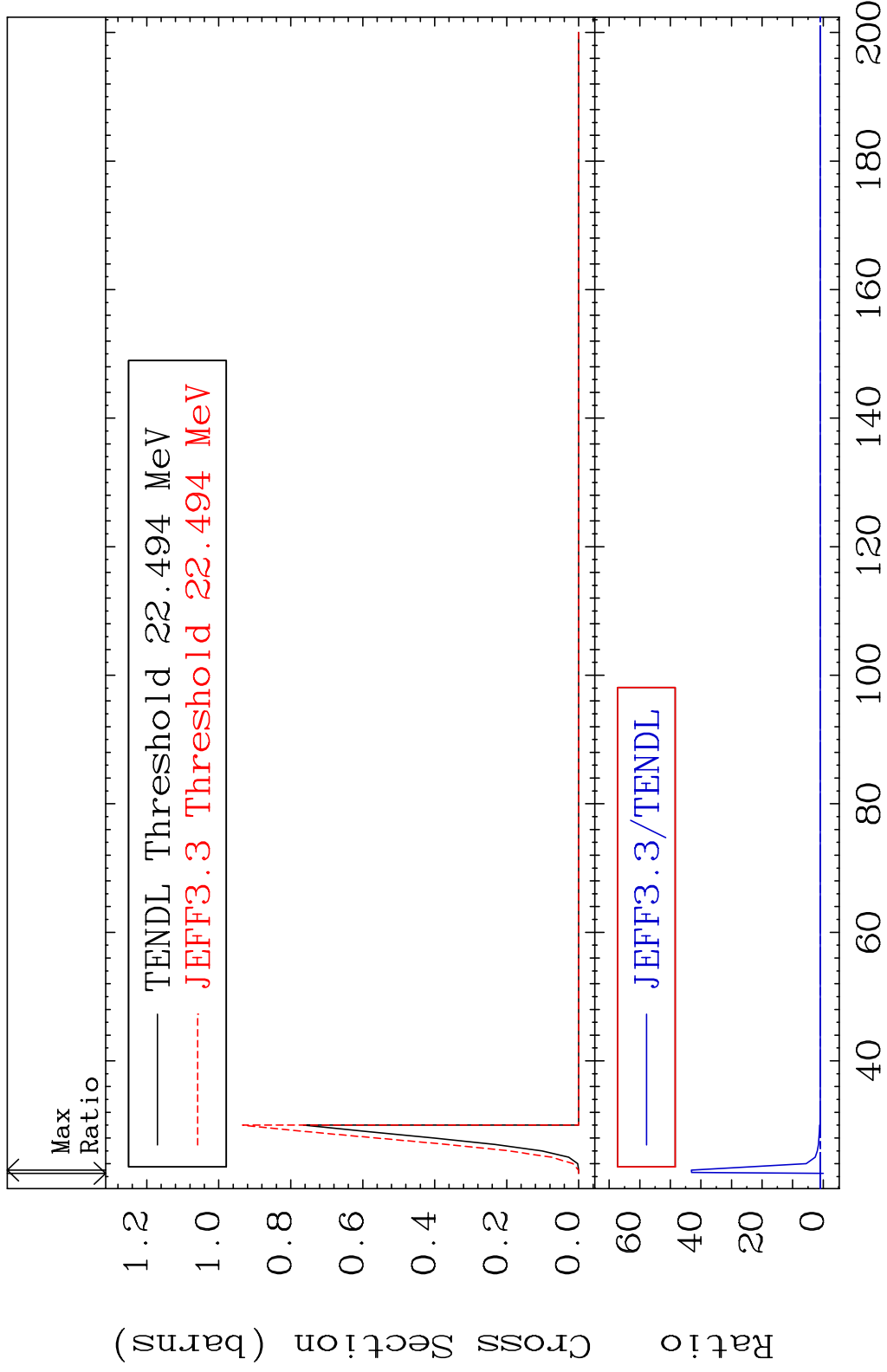


MAT 7843

(n, 4n)

78-Pt-196

Cross Section -100.0 To 4215. %

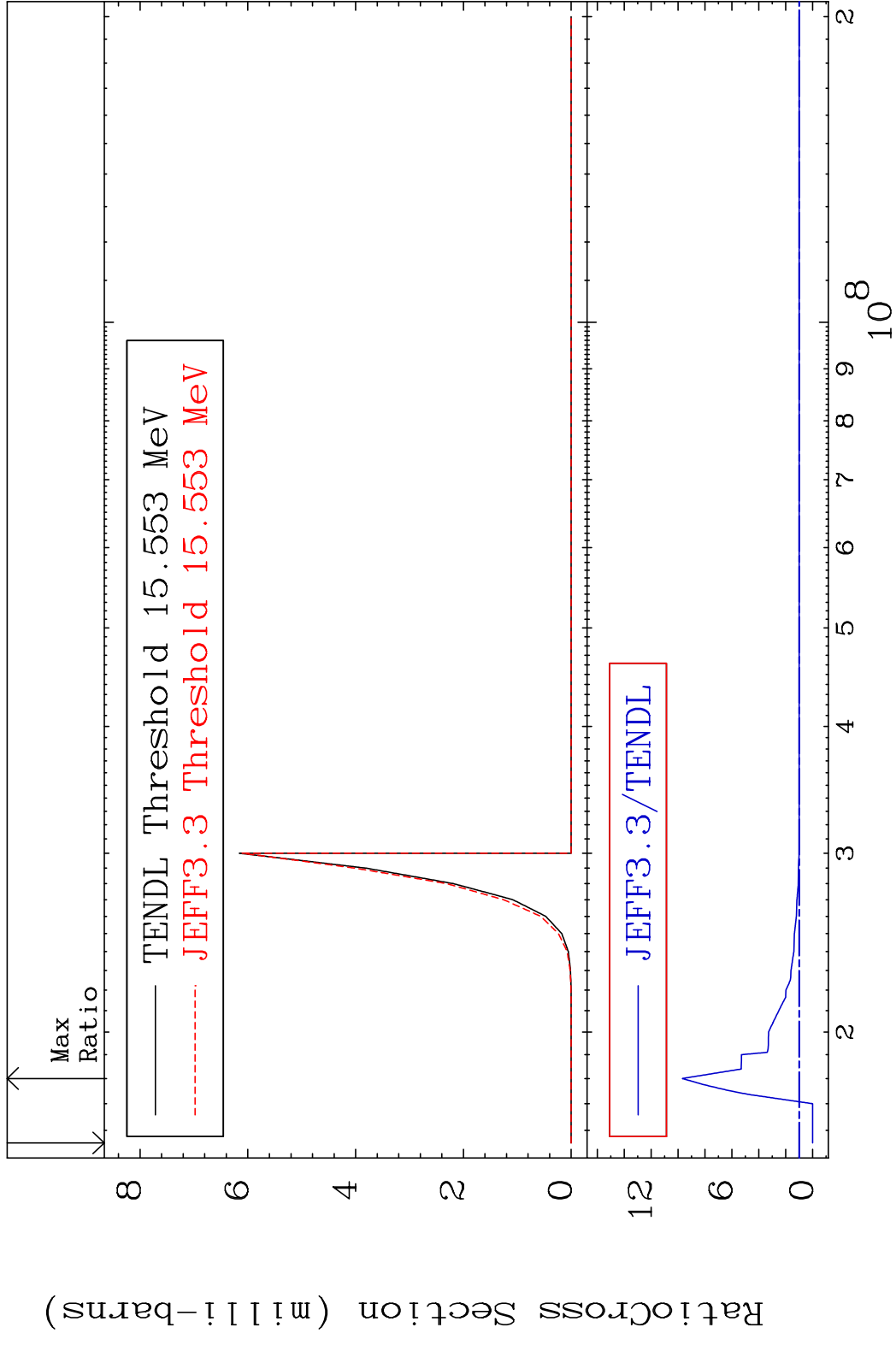


MAT 7843

(n,2n) p

78-Pt-196

Cross Section -100.0 To 868.1 %

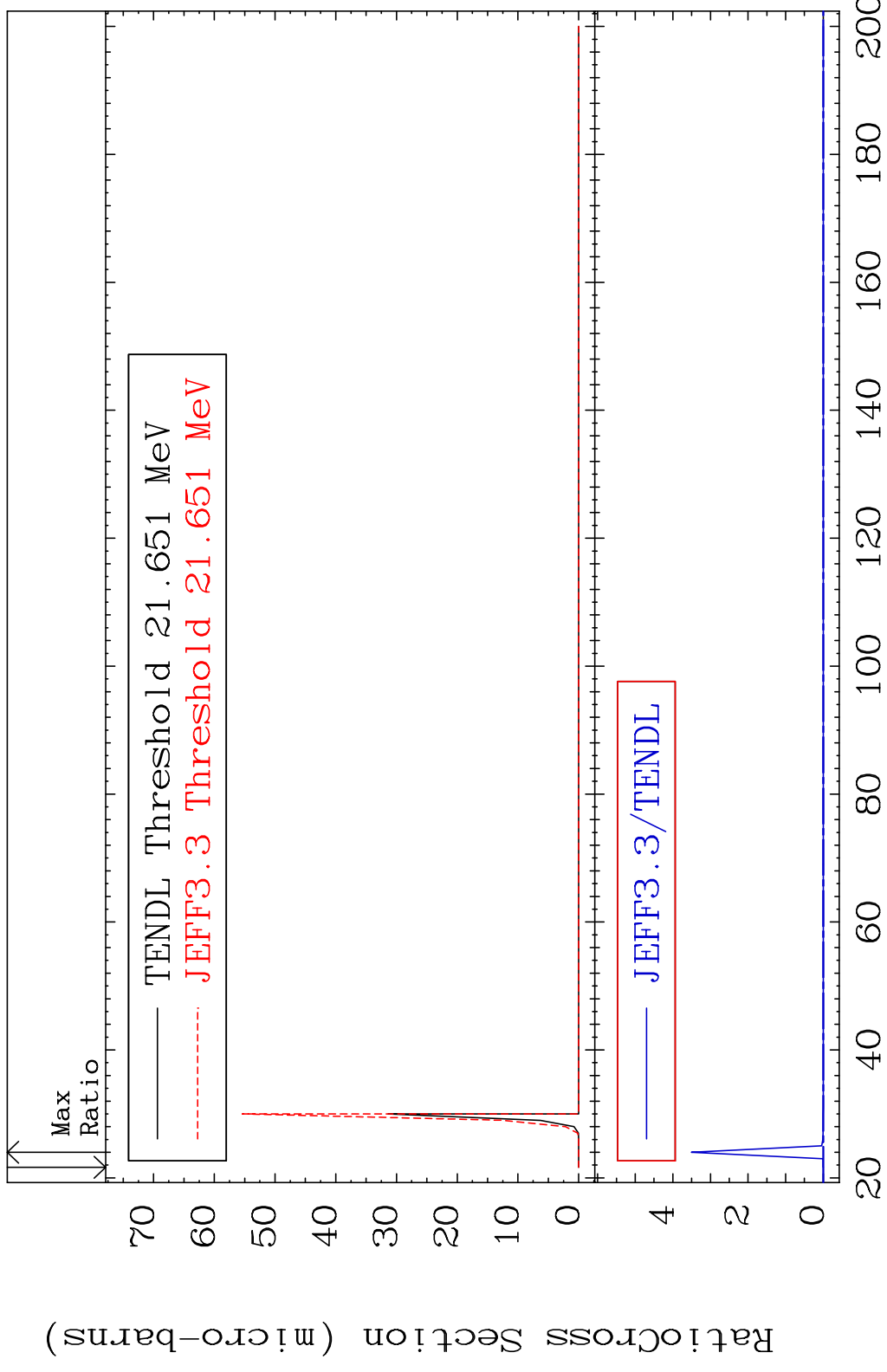


MAT 7843

(n,3n) p

78-Pt-196

Cross Section -100.0 To 9999. %

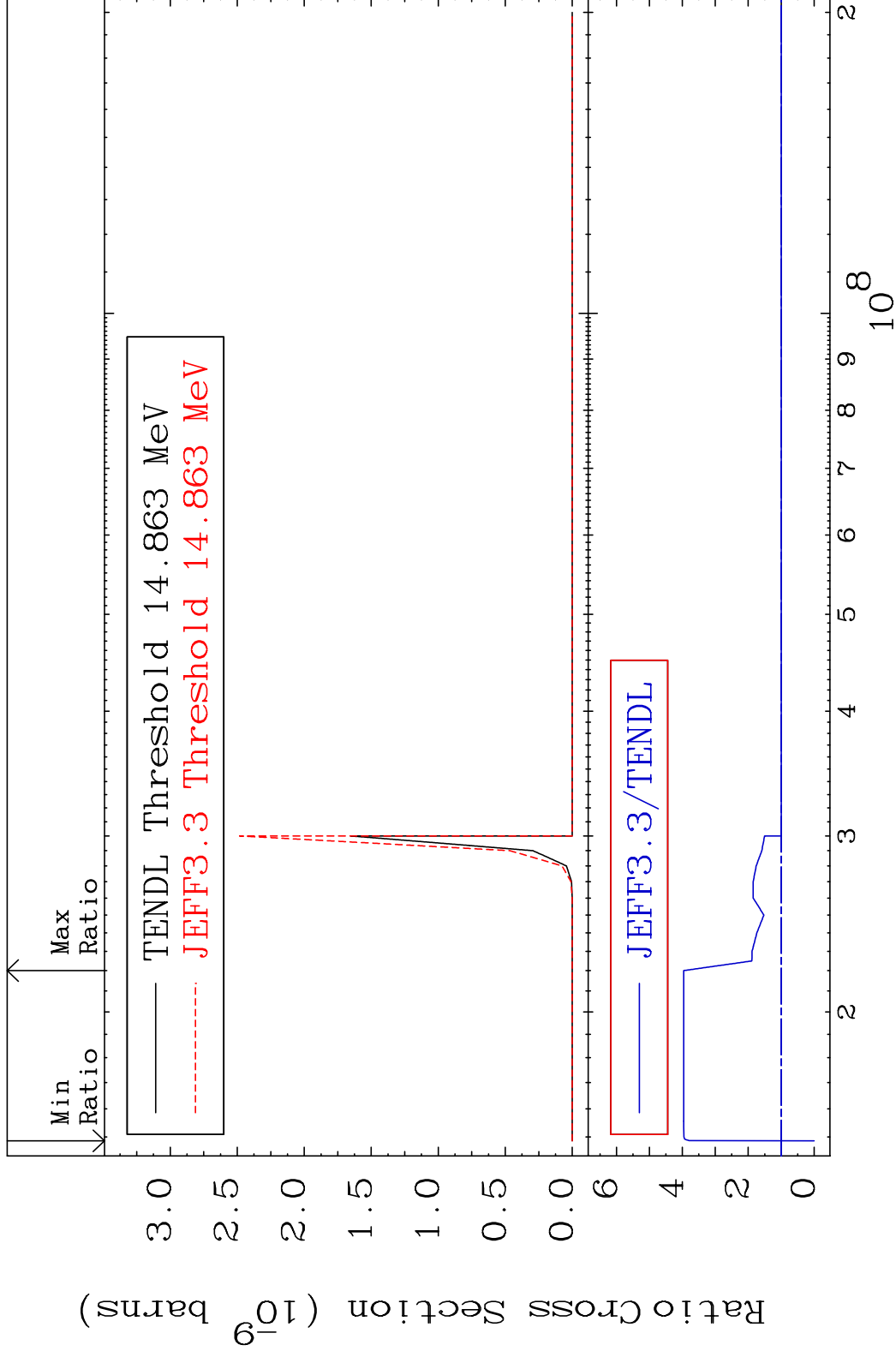


MAT 7843

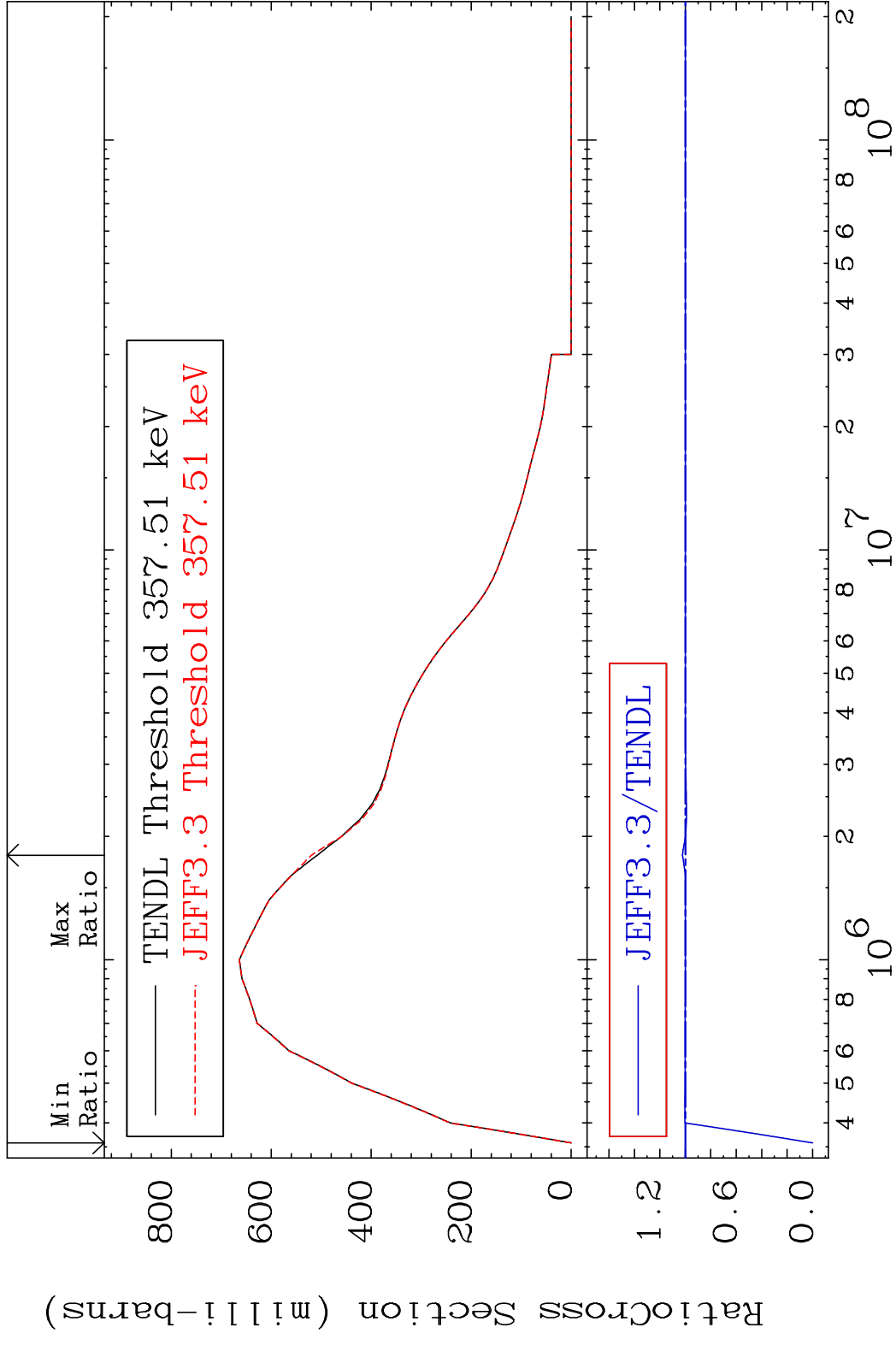
(n,2n) p

78-Pt-196

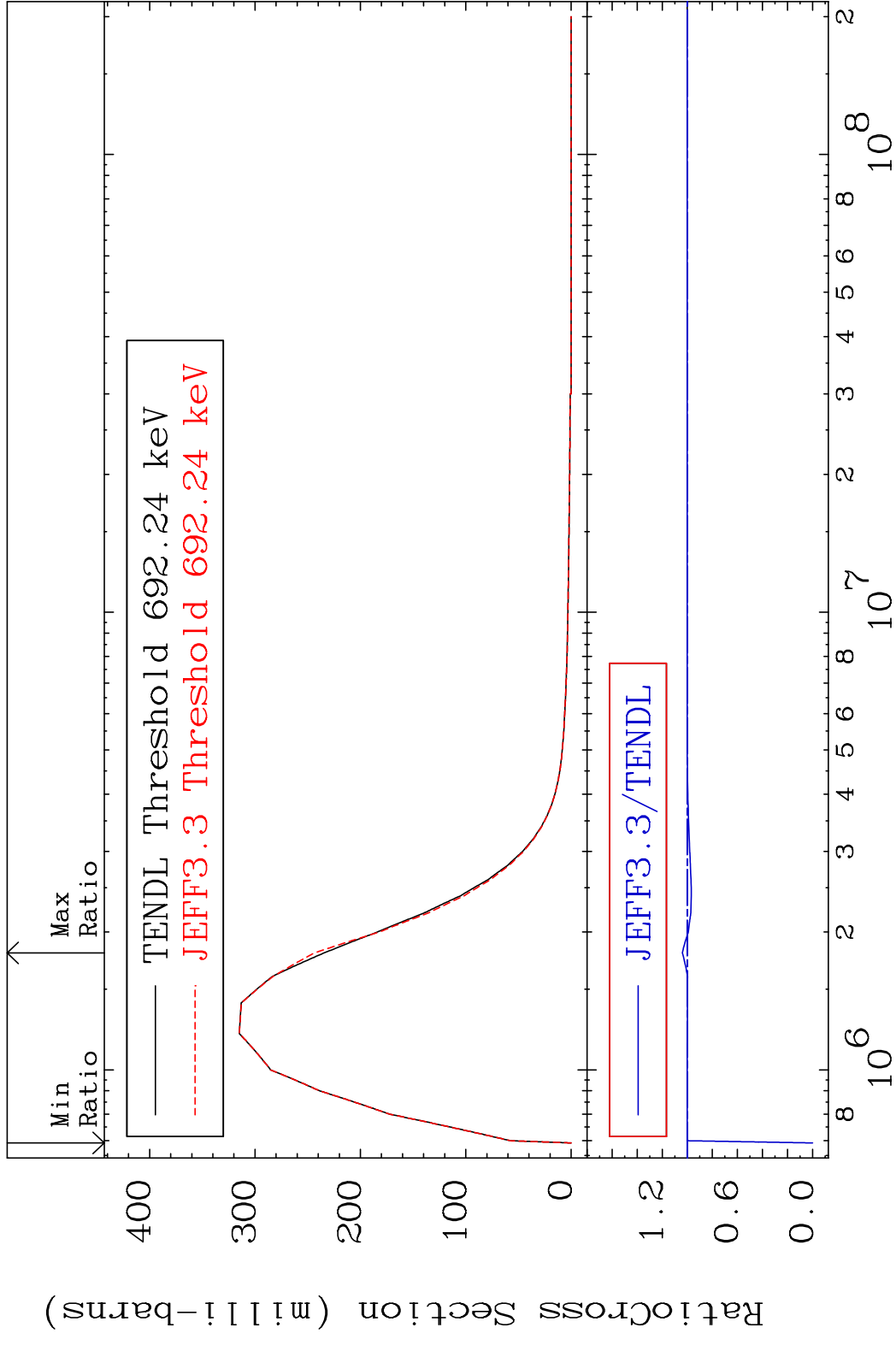
Cross Section -100.0 To 296.1 %



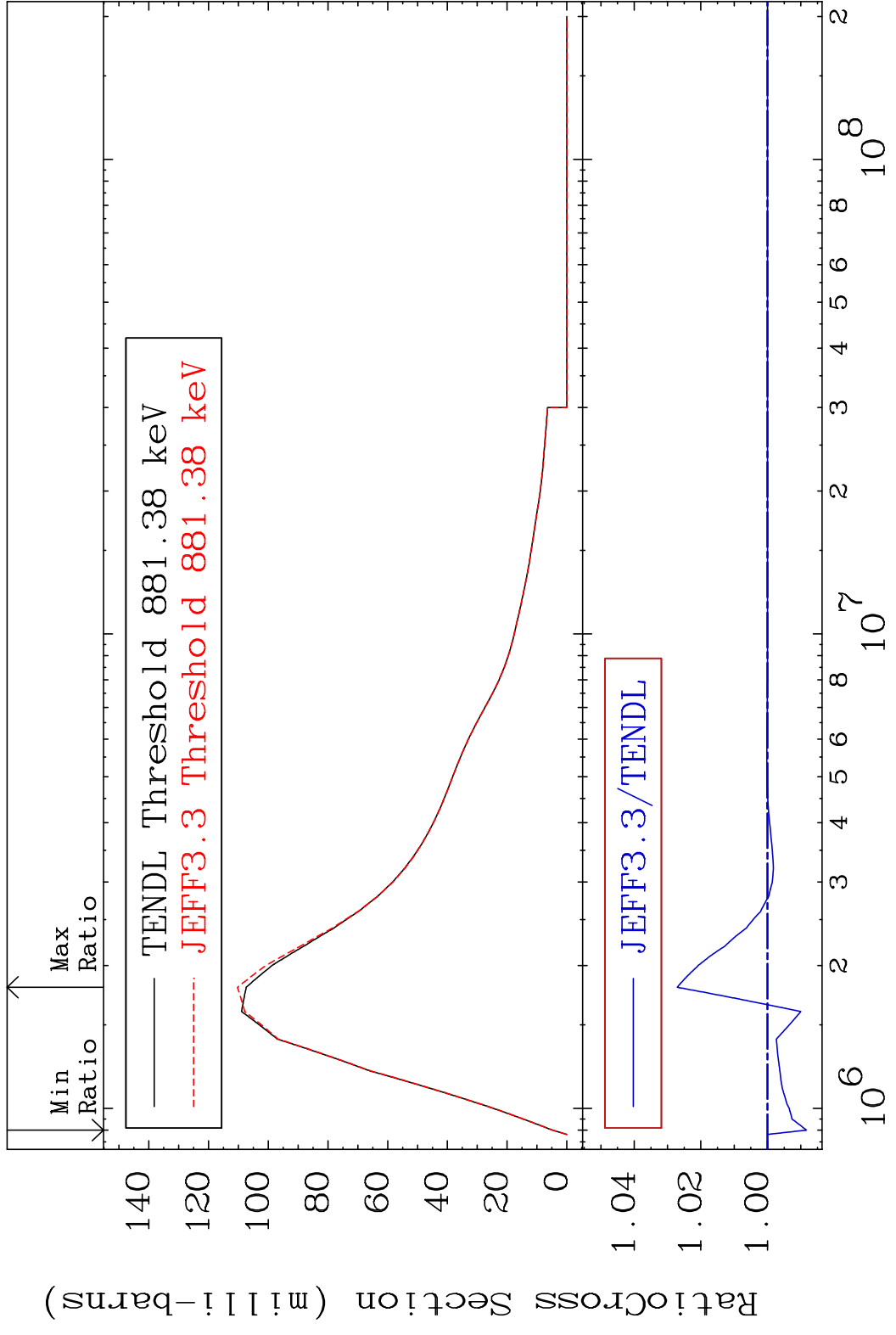
MAT 7843 MT= 51 (n, n') Level 78-Pt-196
 Cross Section -100.0 To 2.313 %



MAT 7843 MT= 52 (n, n') Level 78-Pt-196
 Cross Section -100.0 To 3.934 %



MAT 7843 MT= 53 (n, n') Level 78-Pt-196
 Cross Section -1.167 To 2.711 %



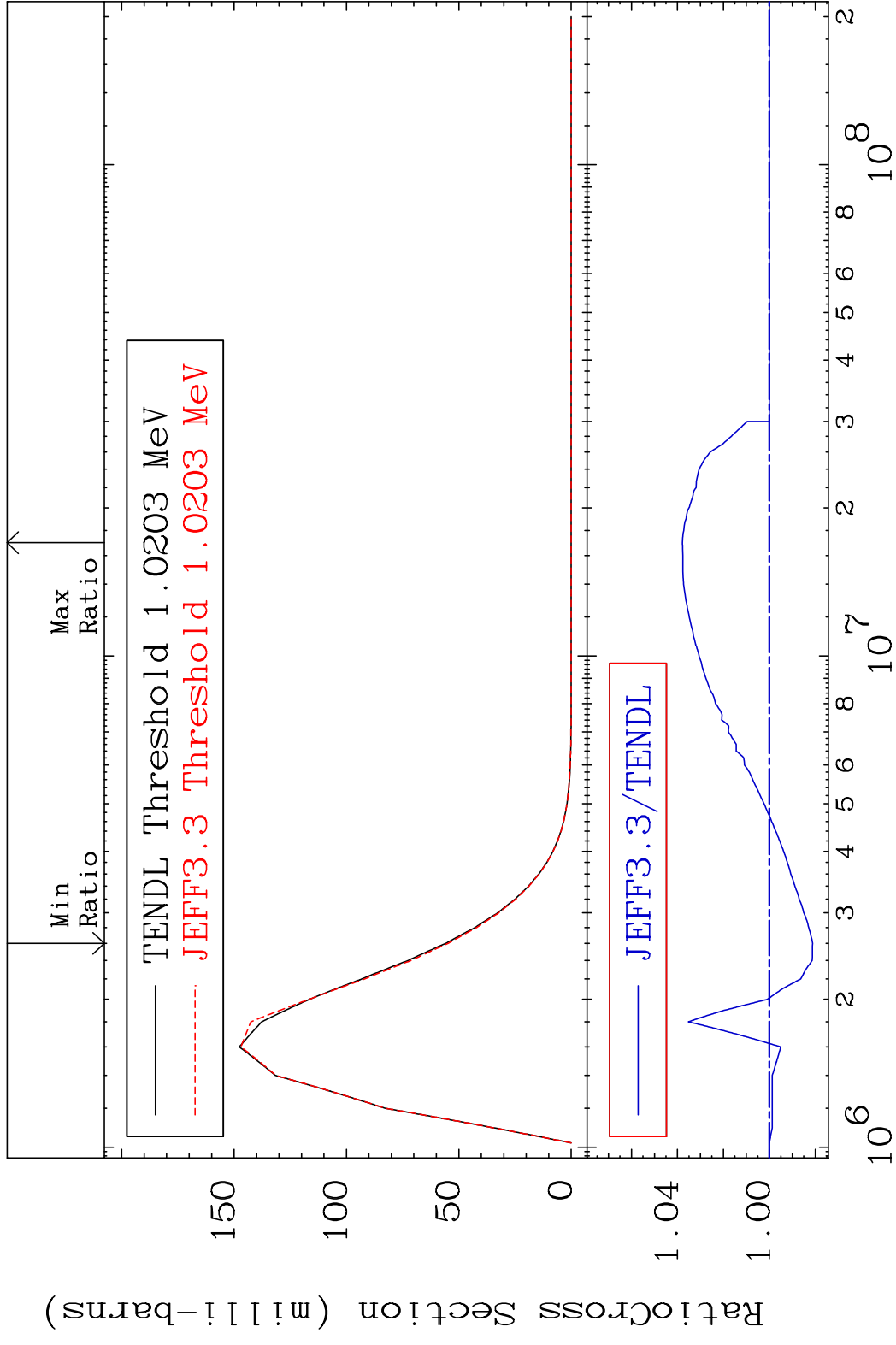
20 Incident Energy (eV) 78-Pt-196

MAT 7843

MT= 54 (n, n') Level

78-Pt-196

Cross Section -1.882 To 3.786 %

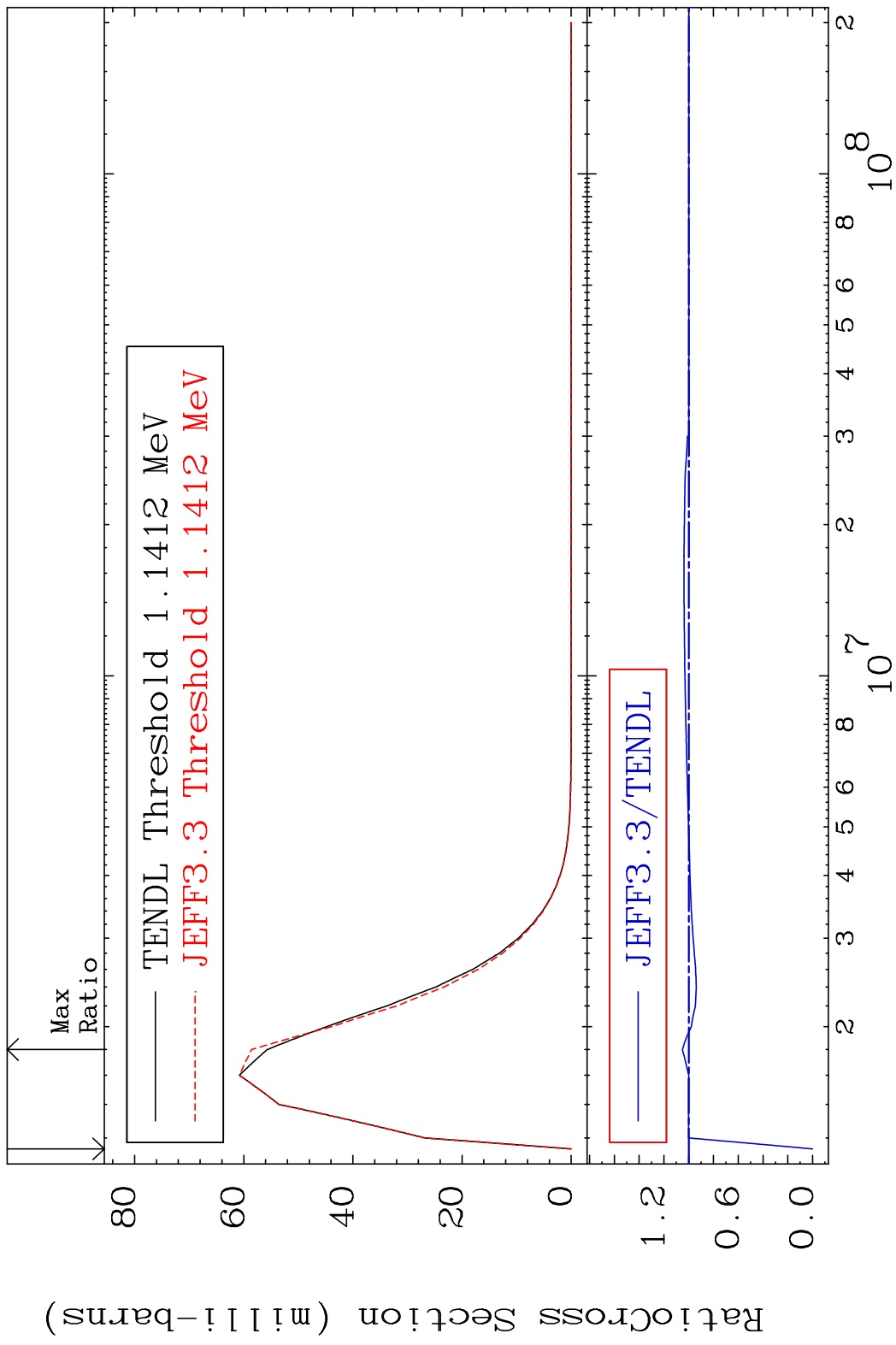


21

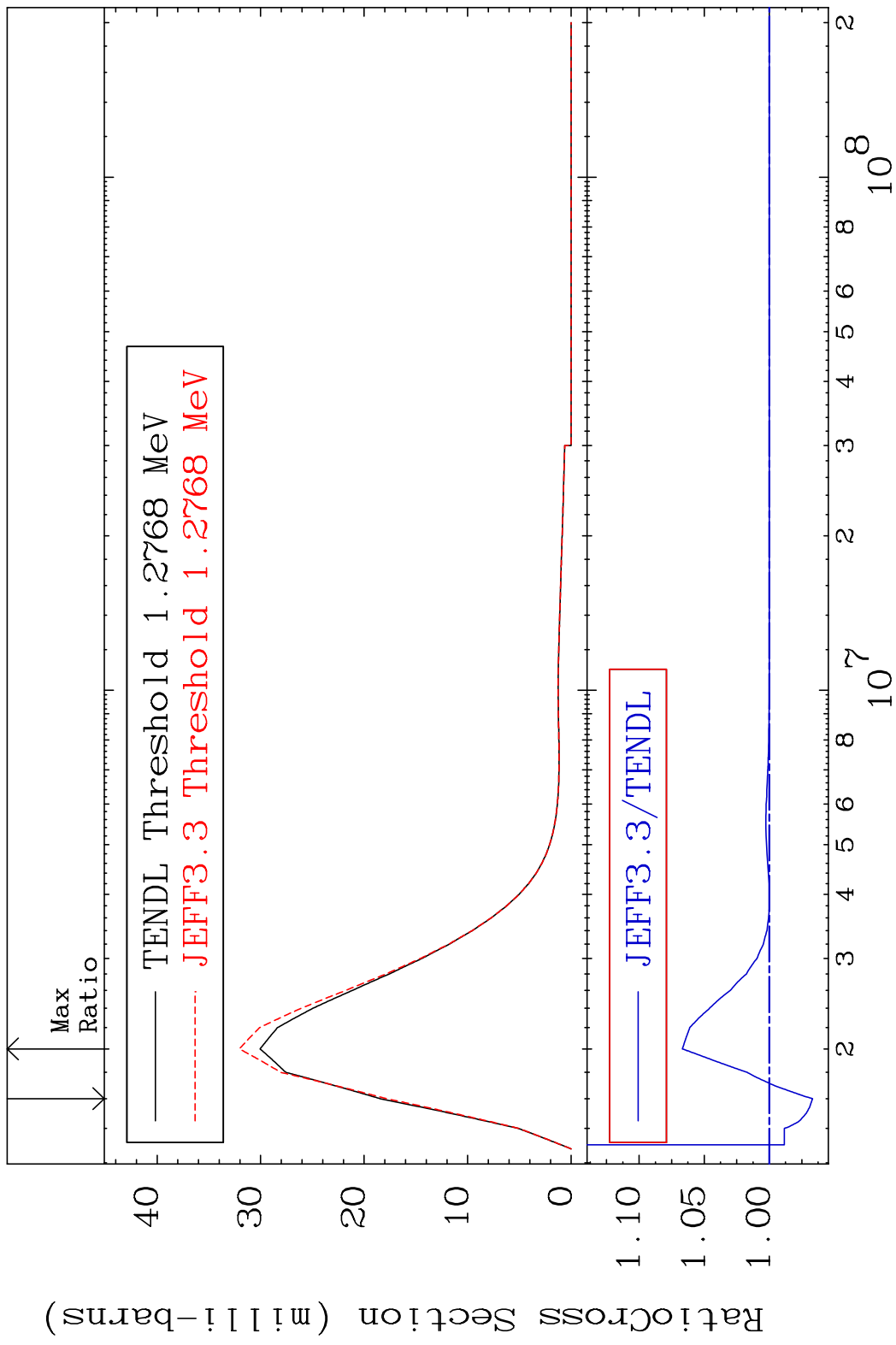
Incident Energy (eV)

78-Pt-196

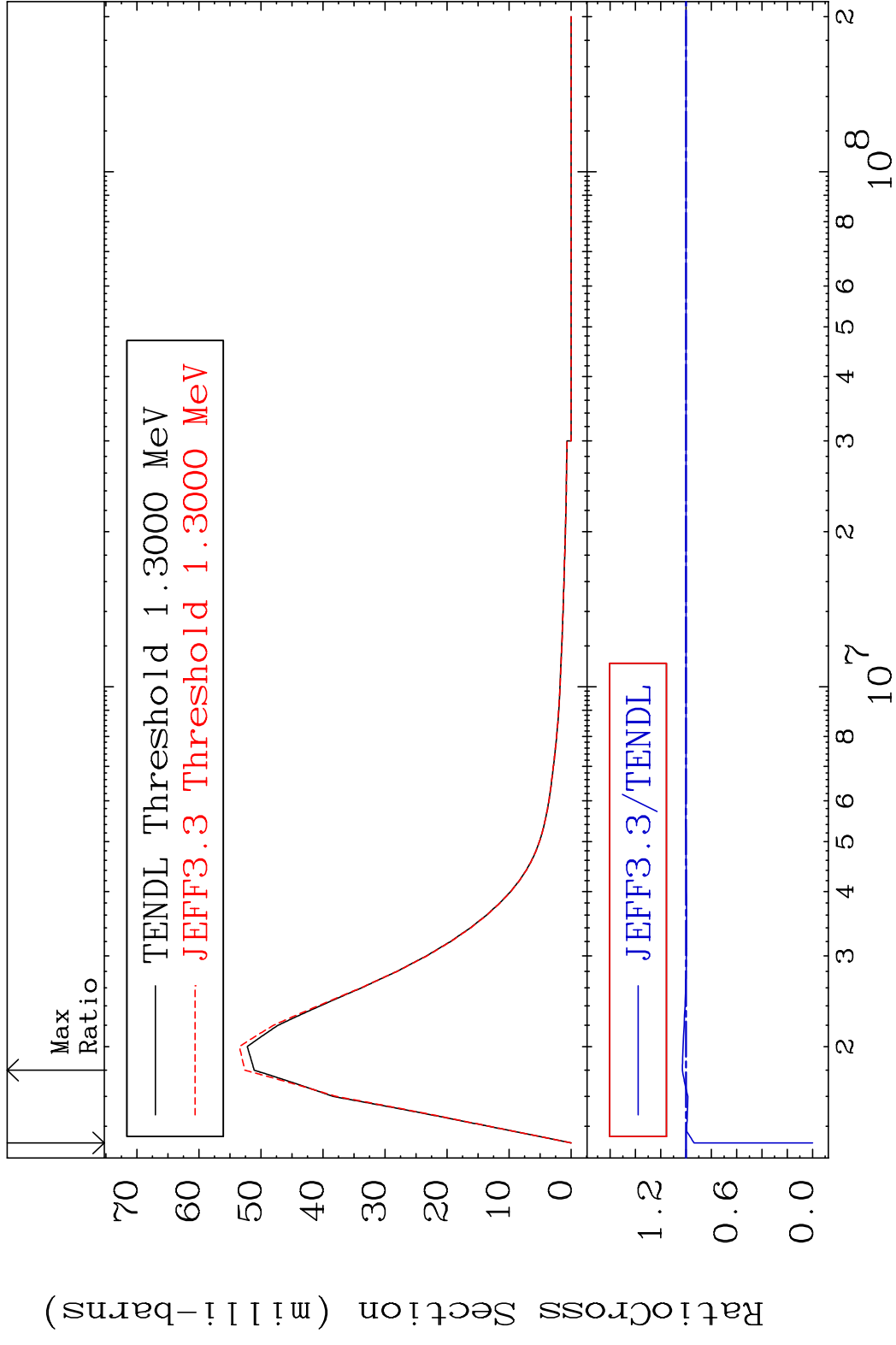
MAT 7843 MT= 55 (n, n') Level 78-Pt-196
 Cross Section -100.0 To 5.119 %



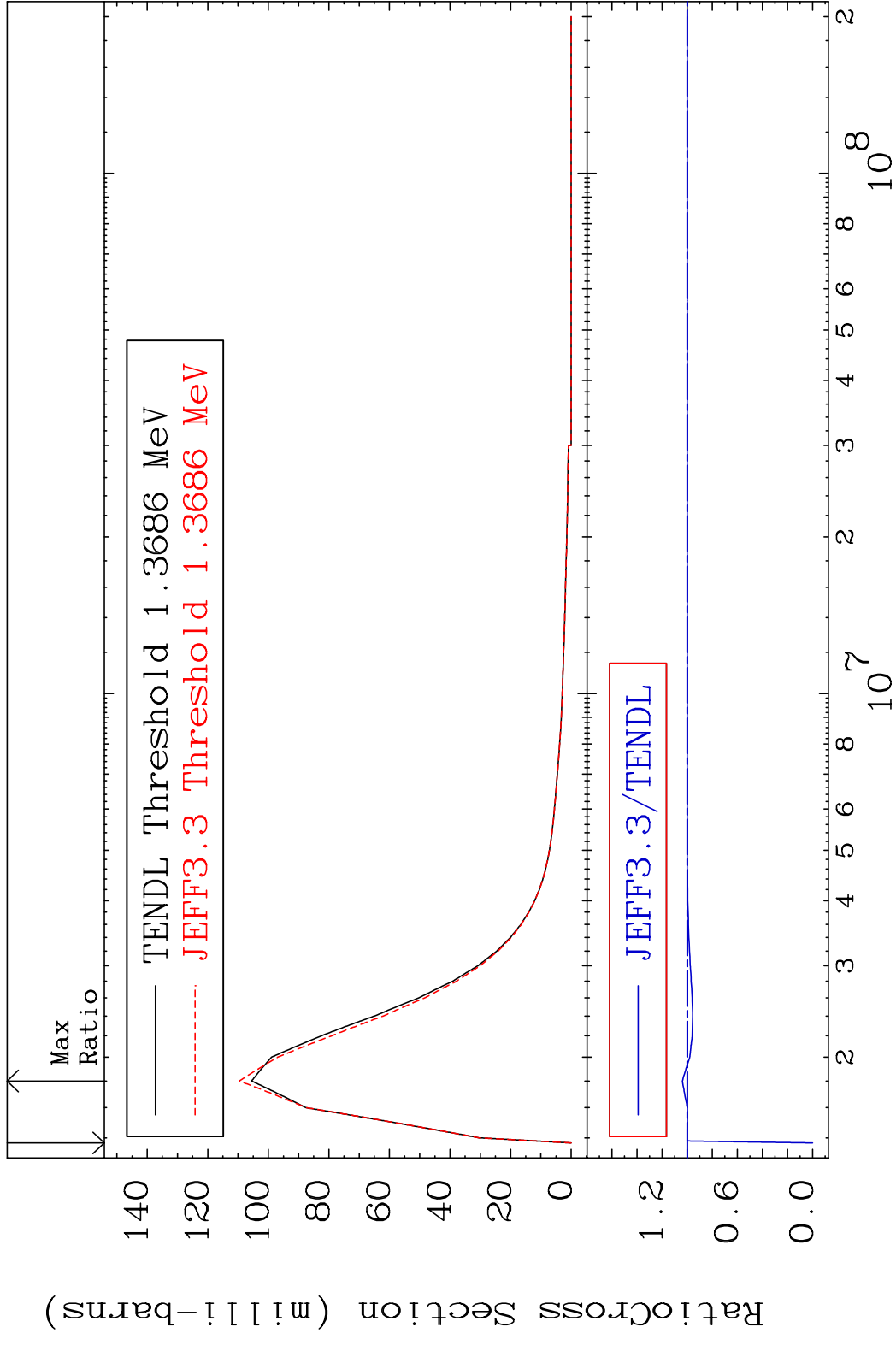
MAT 7843 MT= 56 (n, n') Level 78-Pt-196
 Cross Section -3.325 To 6.677 %



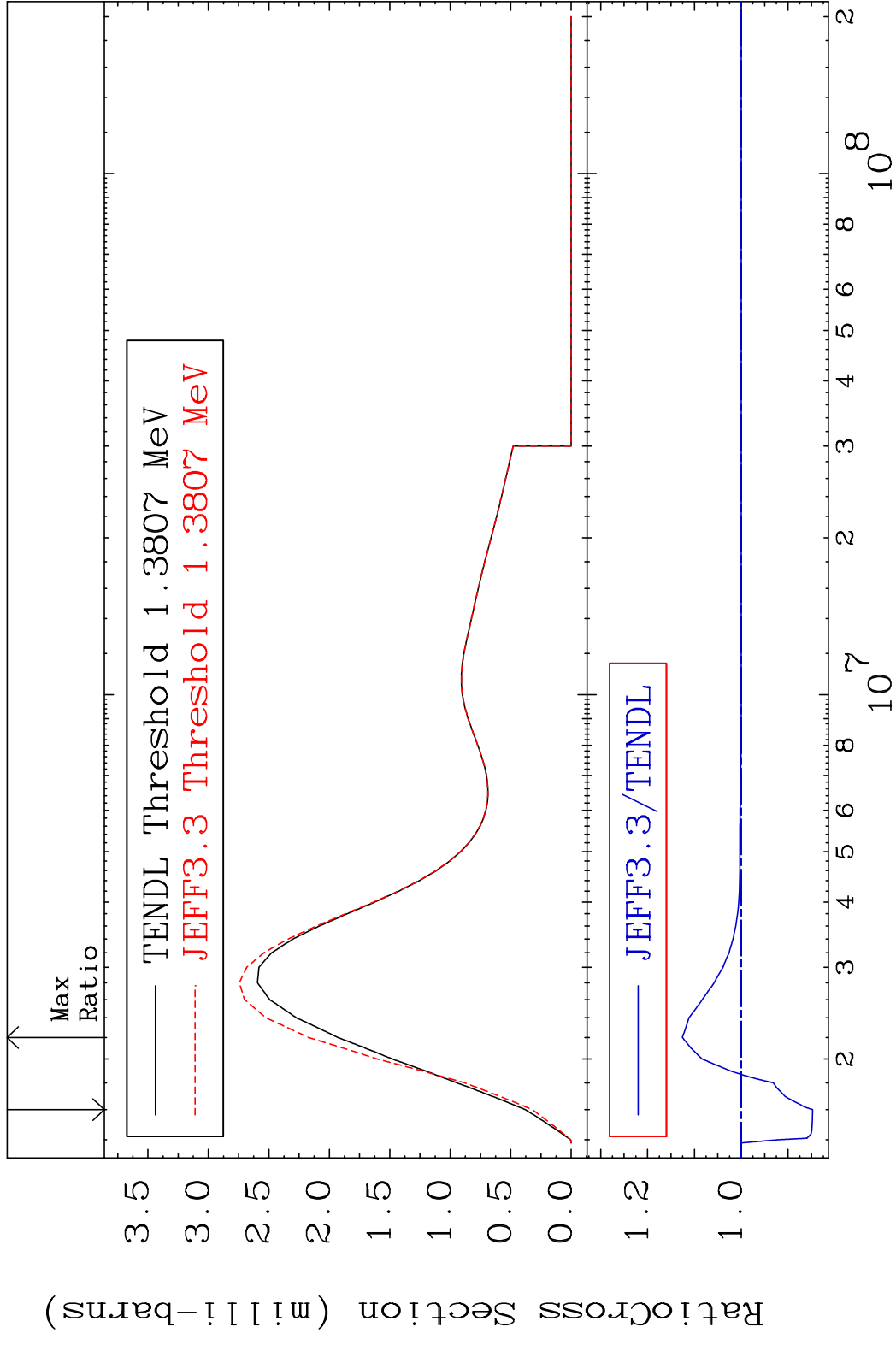
MAT 7843 MT= 57 (n, n') Level 78-Pt-196
 Cross Section -100.0 To 2.953 %



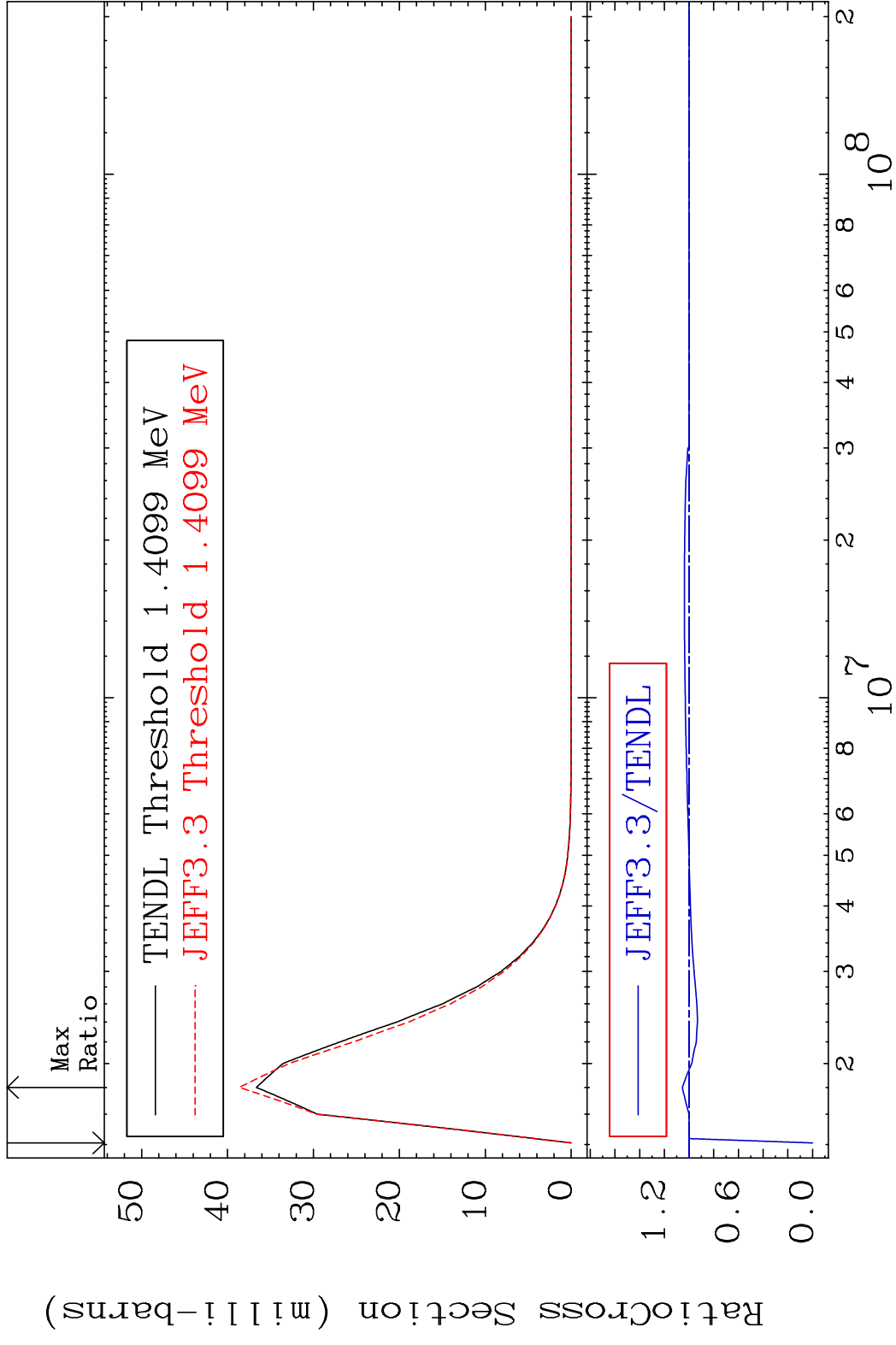
MAT 7843 MT= 58 (n,n') Level 78-Pt-196
 Cross Section -100.0 To 3.830 %



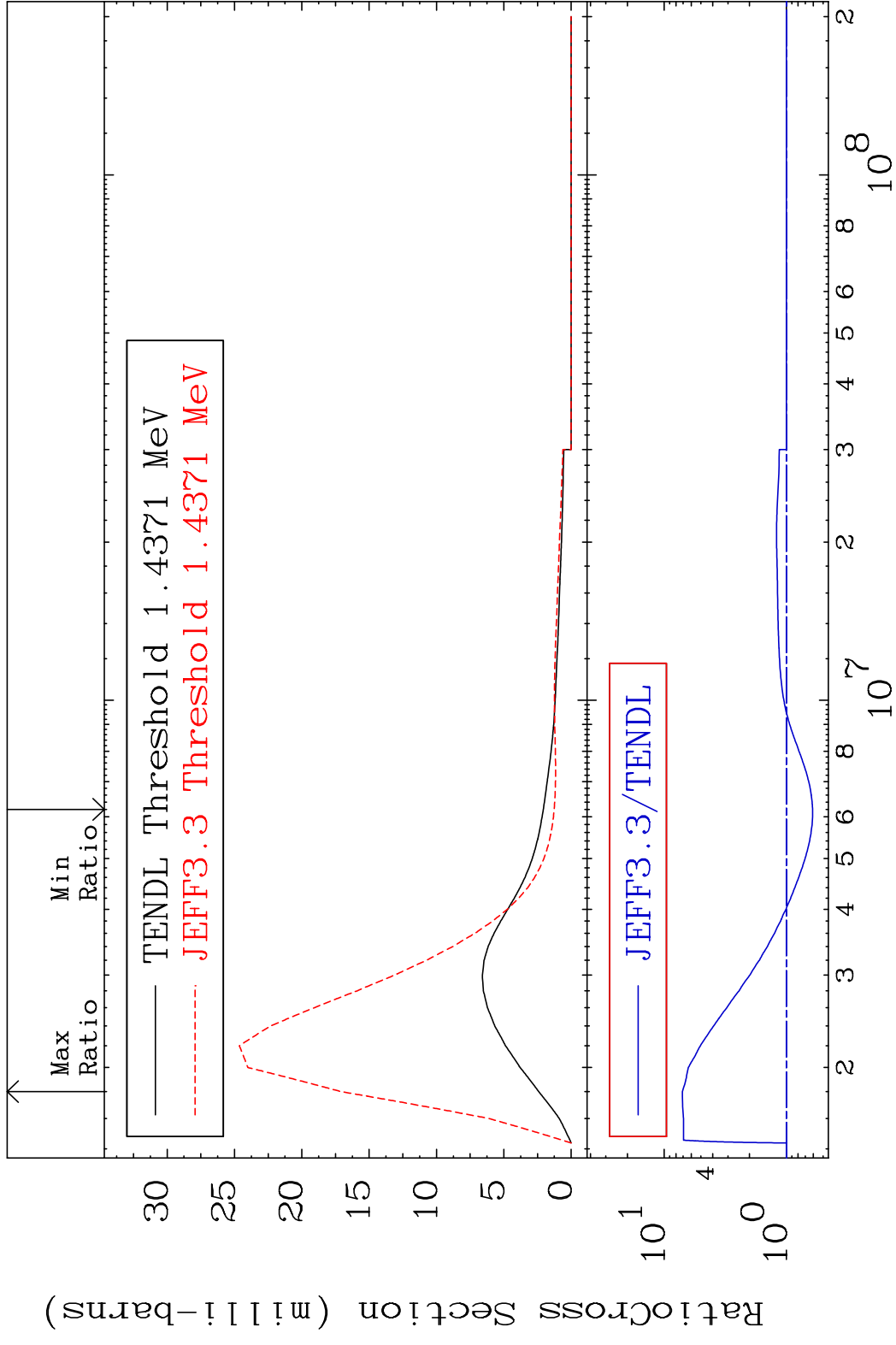
MAT 7843 MT= 59 (n, n') Level 78-Pt-196
 Cross Section -15.22 To 12.57 %



MAT 7843 MT= 60 (n,n') Level 78-Pt-196
 Cross Section -100.0 To 5.413 %



MAT 7843 MT= 61 (n,n') Level 78-Pt-196
 Cross Section -39.06 To 608.9 %

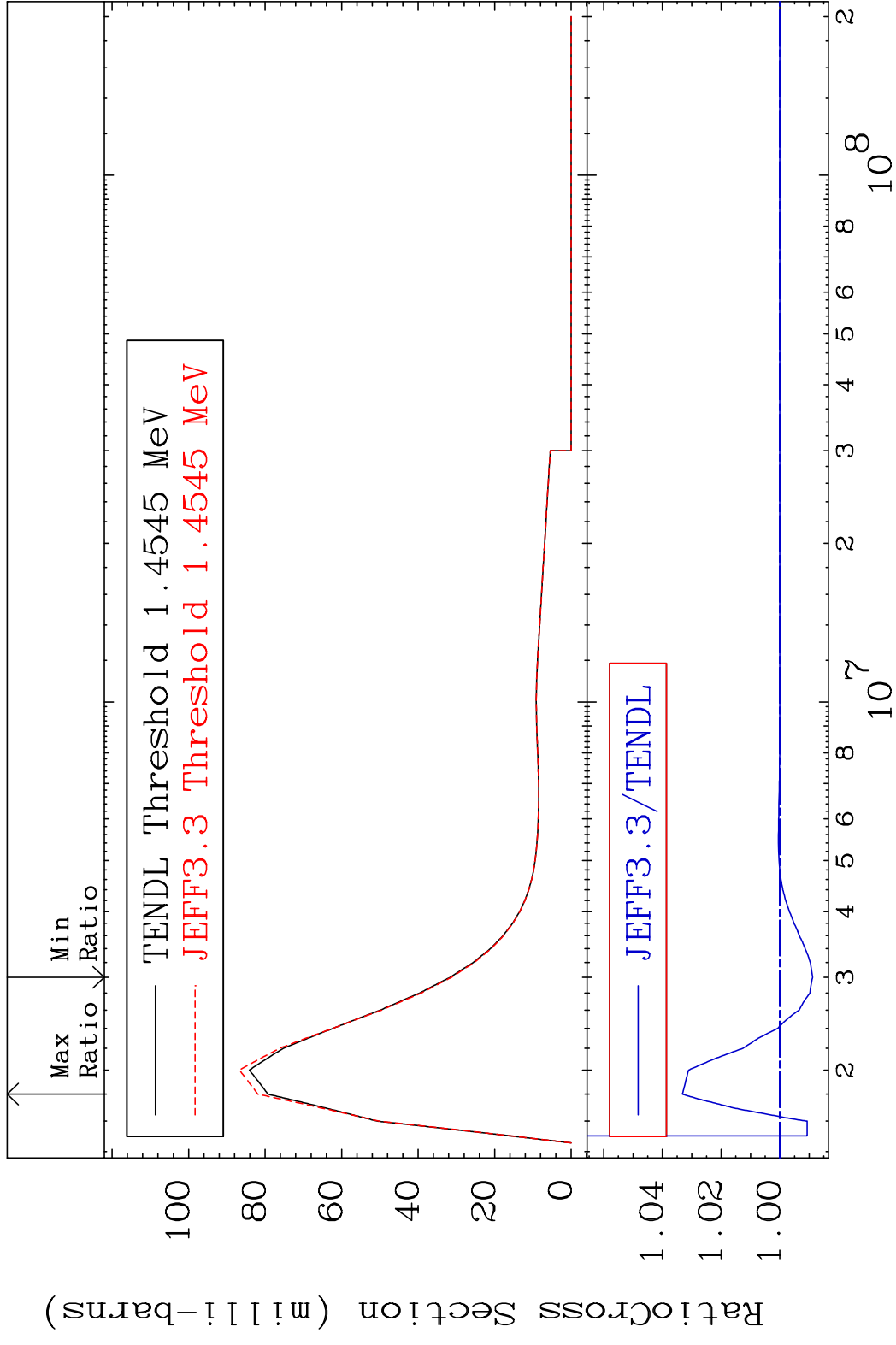


MAT 7843

MT= 62 (n, n') Level

78-Pt-196

Cross Section -1.114 To 3.321 %

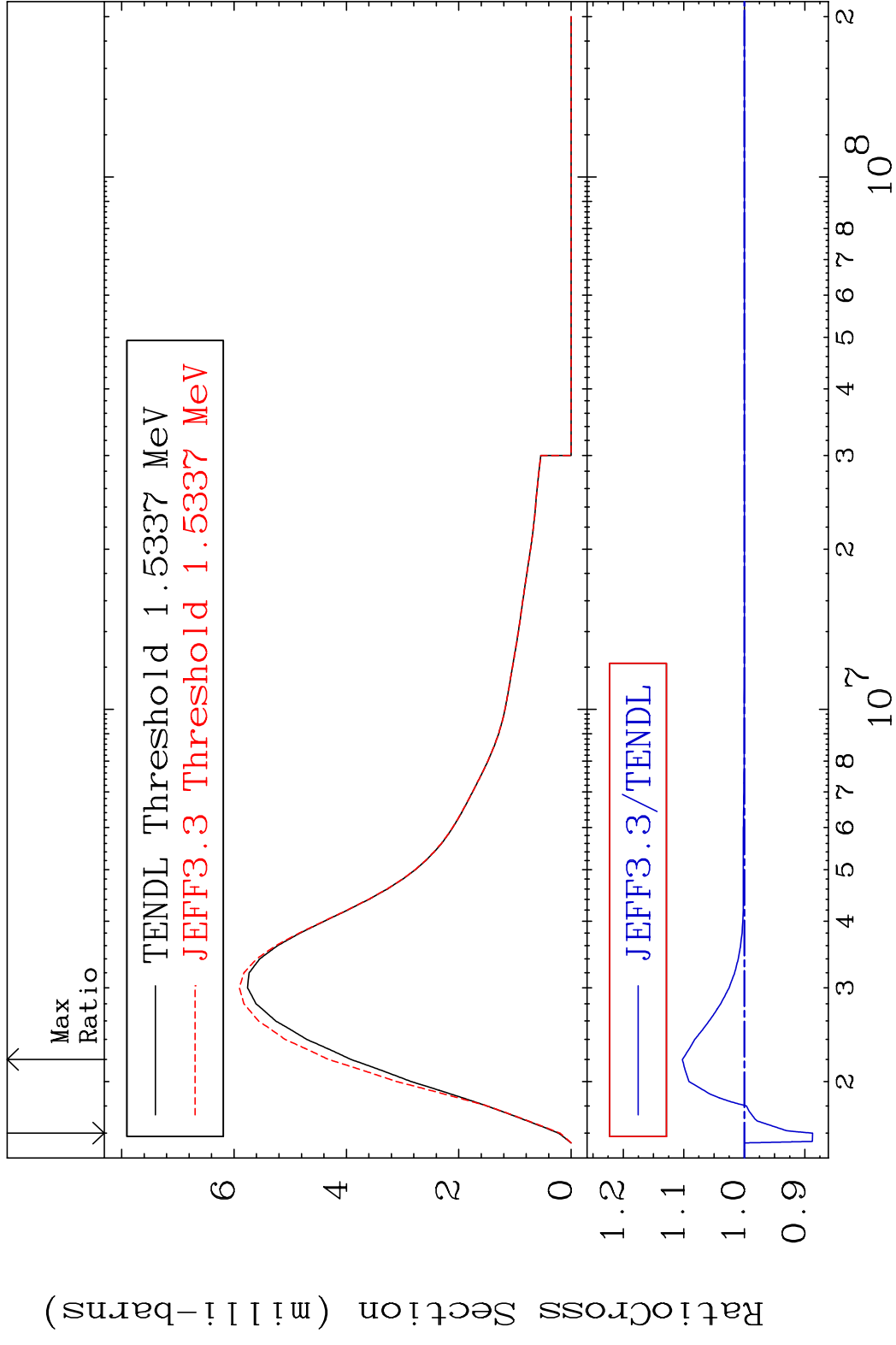


MAT 7843

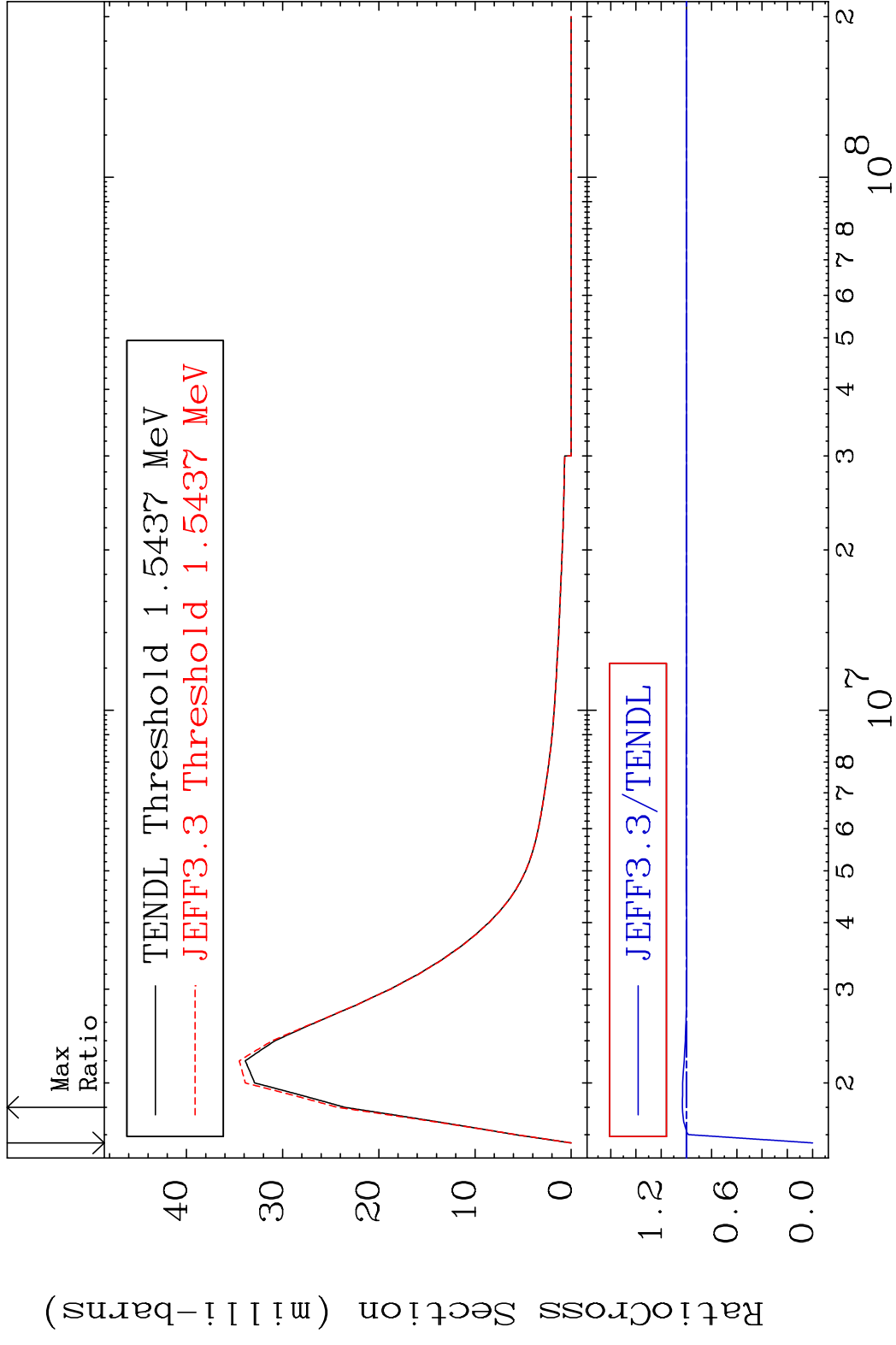
MT= 63 (n, n') Level

78-Pt-196

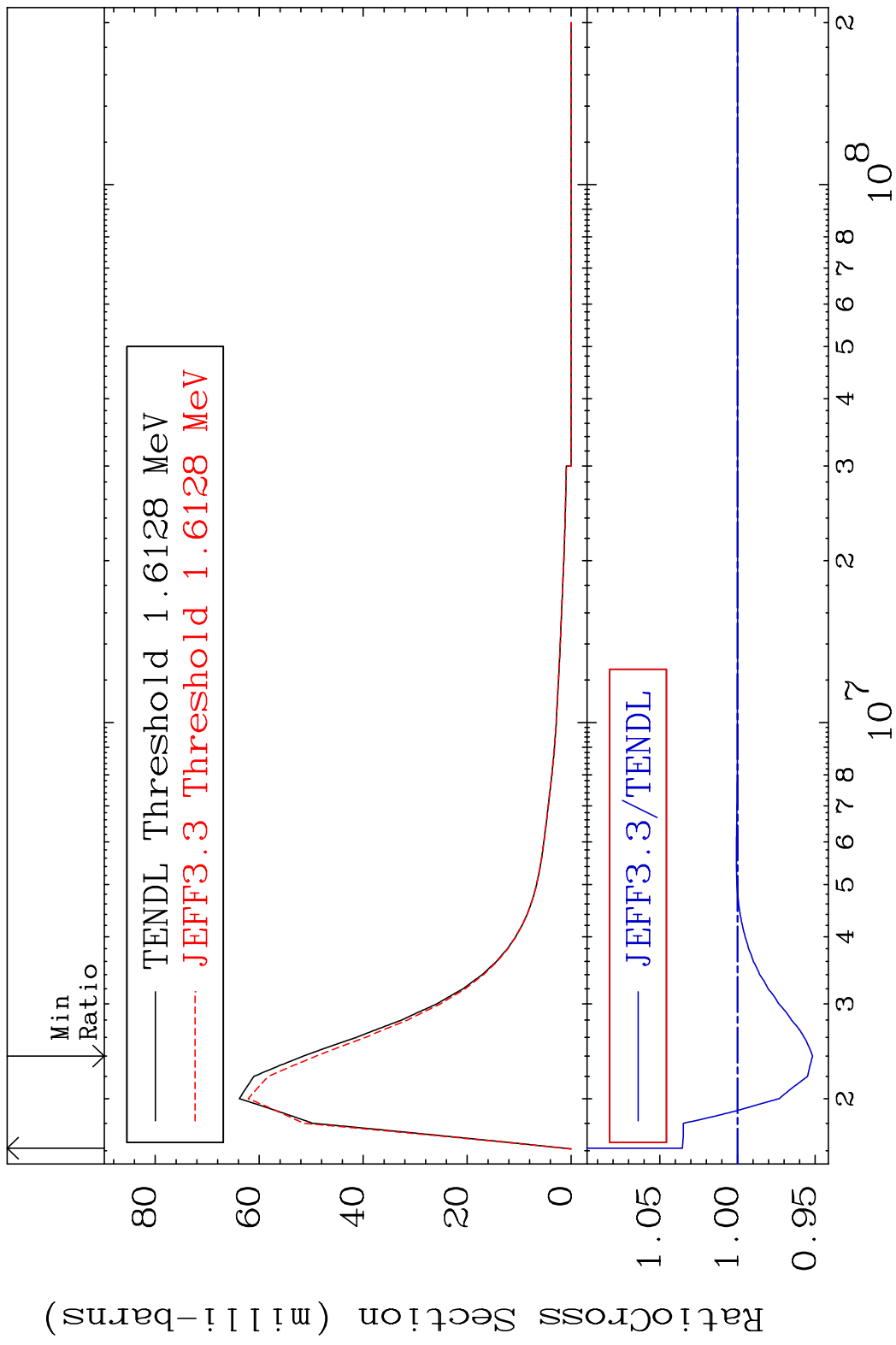
Cross Section -11.27 To 10.23 %



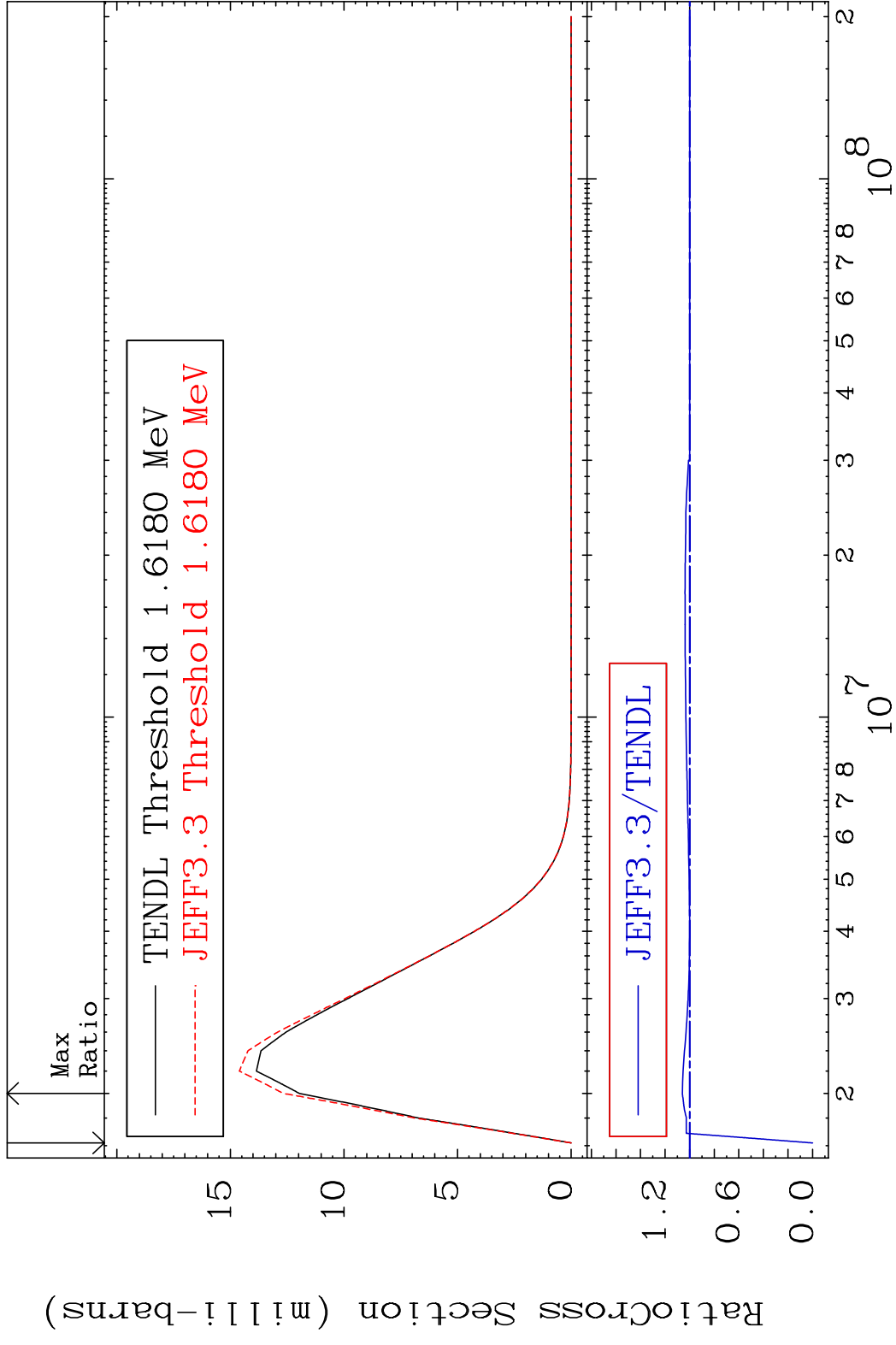
MAT 7843 MT= 64 (n, n') Level 78-Pt-196
 Cross Section -100.0 To 3.196 %



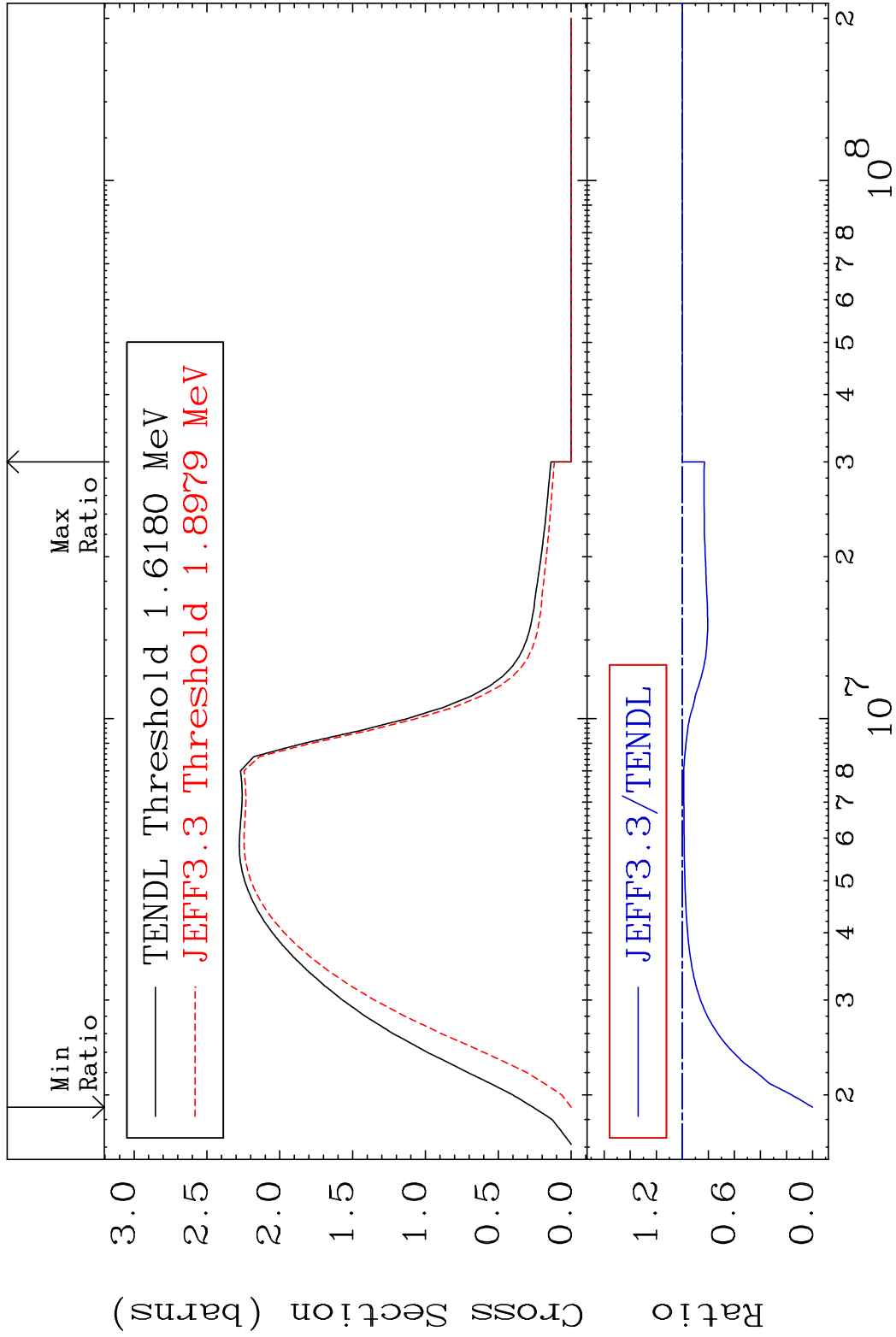
MAT 7843 MT= 65 (n,n') Level 78-Pt-196
 Cross Section -4.830 To 3.545 %



MAT 7843 MT= 66 (n,n') Level 78-Pt-196
 Cross Section -100.0 To 5.943 %



Cross Section -100.0 To 0.000 %

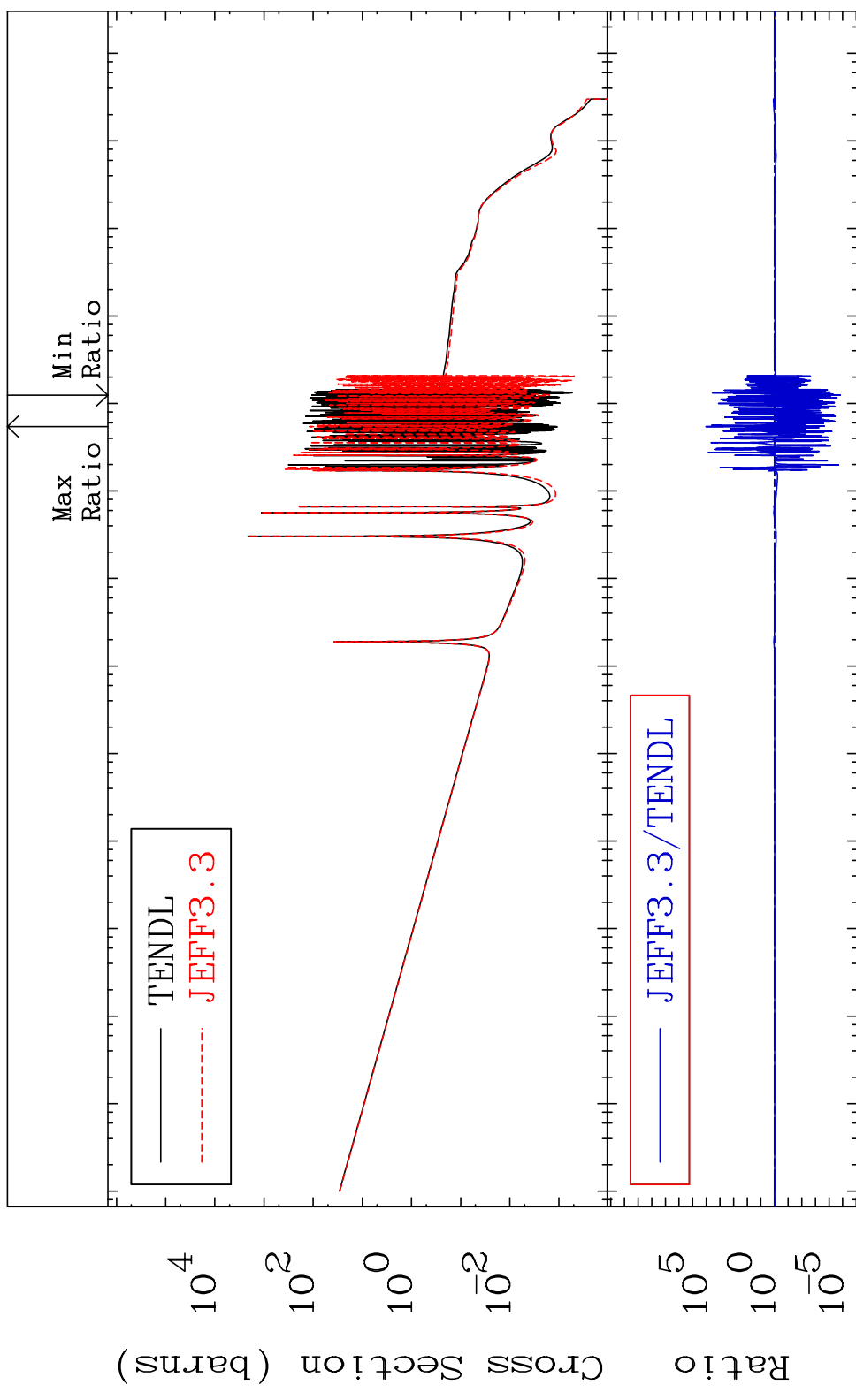


MAT 7843

(n, γ)

78-Pt-196

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

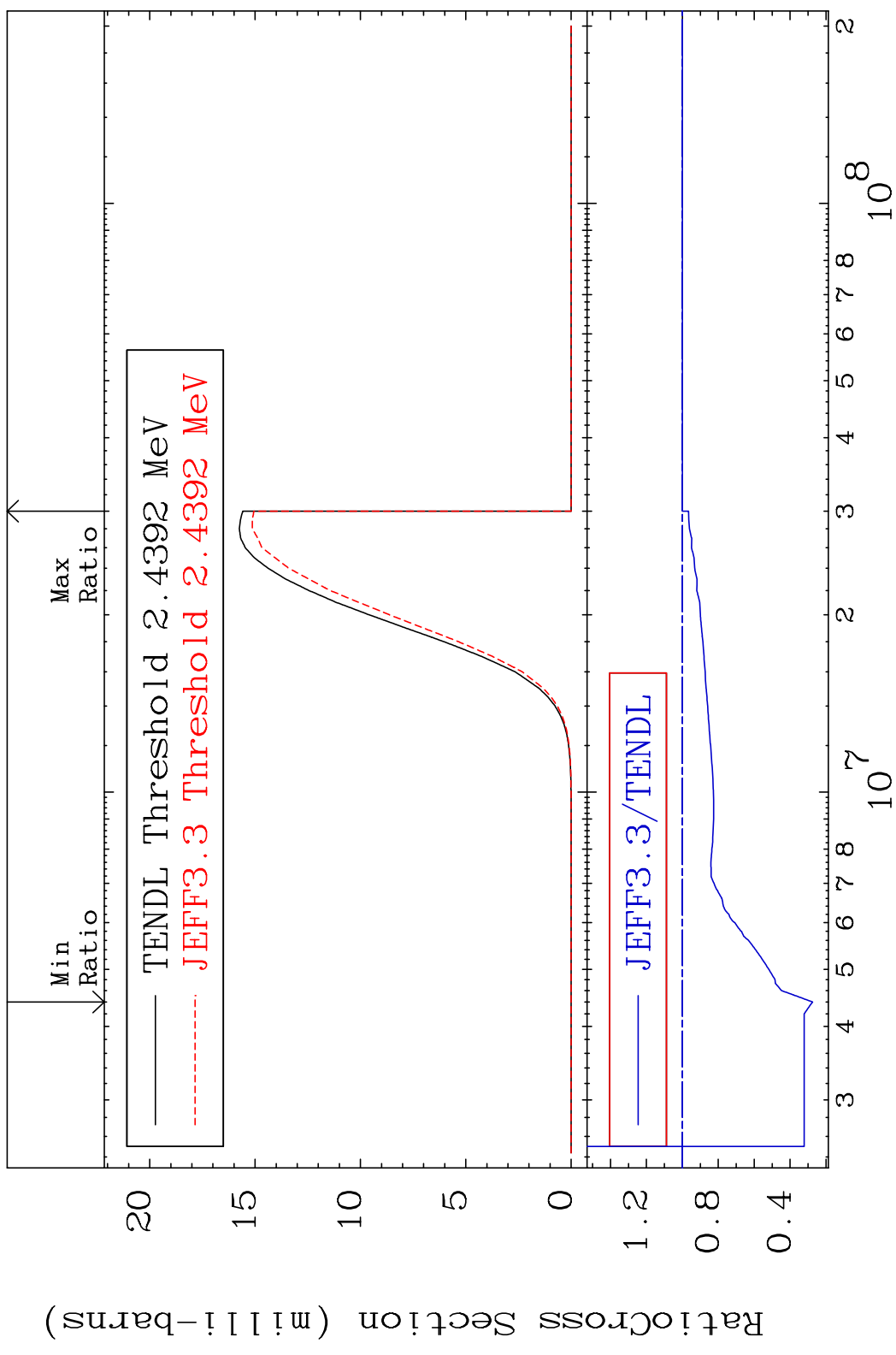
78-Pt-196

MAT 7843

(n, p)

78-Pt-196

Cross Section -72.48 To 0.000 %

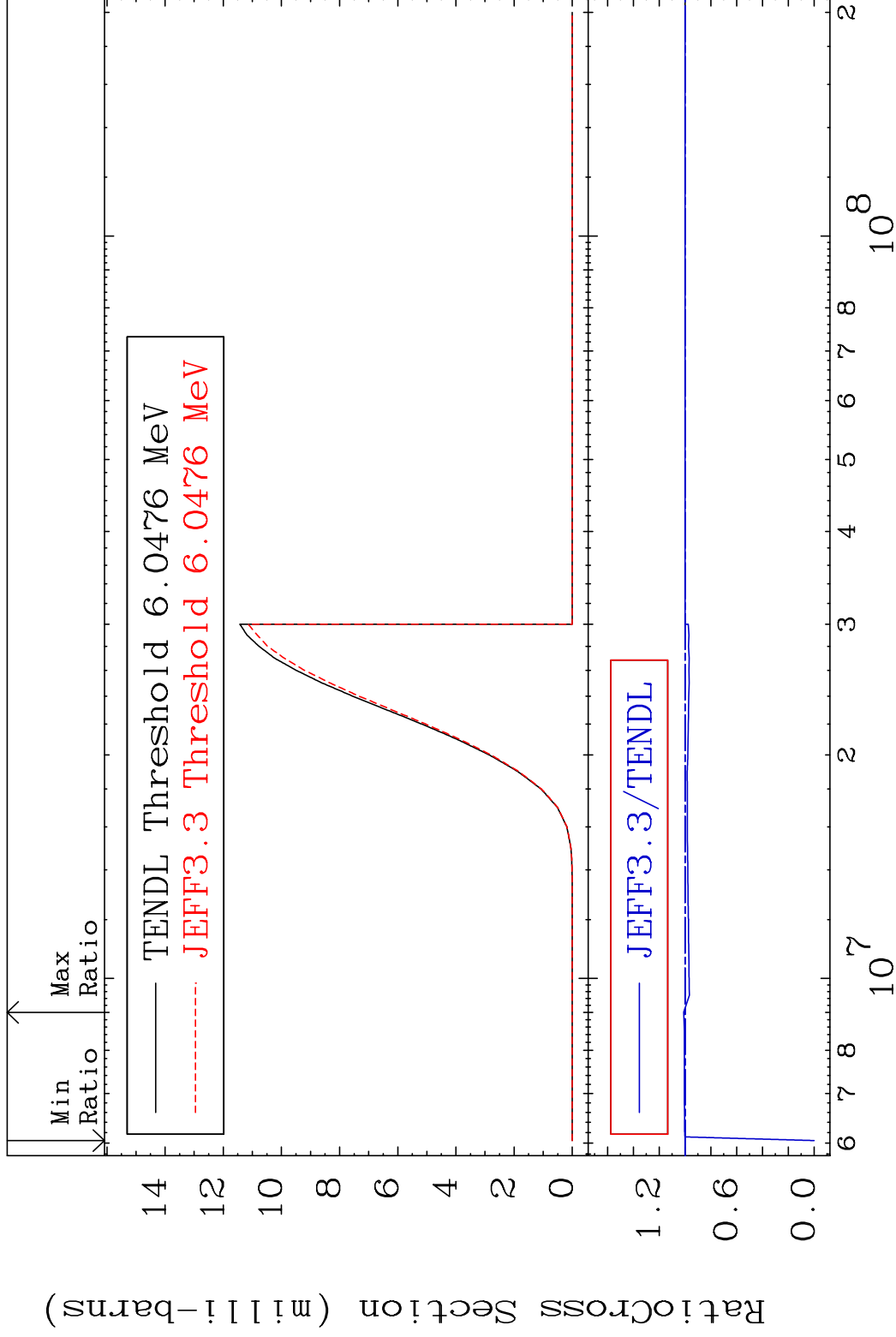


MAT 7843

(n,d)

78-Pt-196

Cross Section -100.0 To 1.044 %



37

Incident Energy (eV)

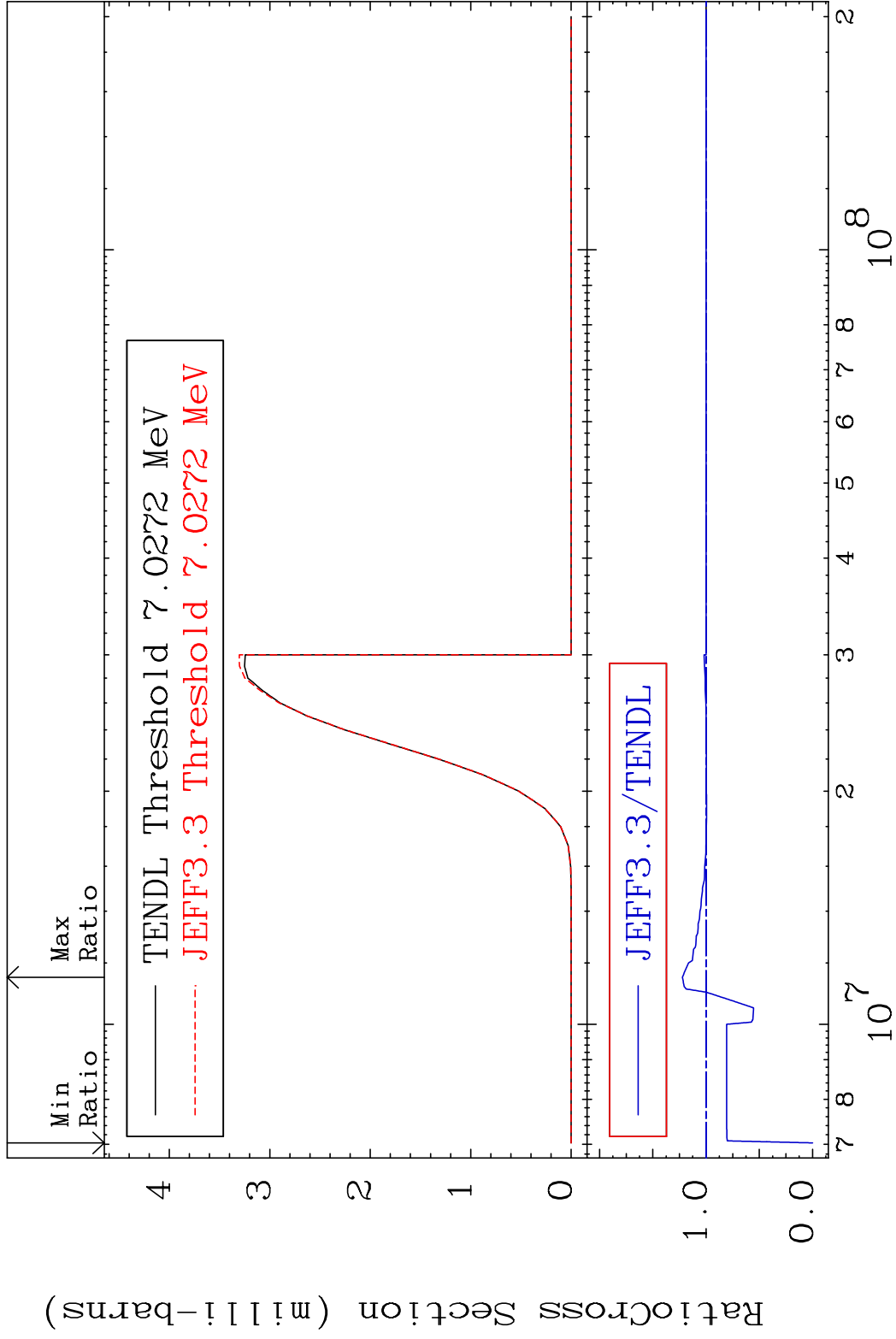
78-Pt-196

MAT 7843

(n, t)

78-Pt-196

Cross Section -100.0 To 22.26 %



38

Incident Energy (eV)

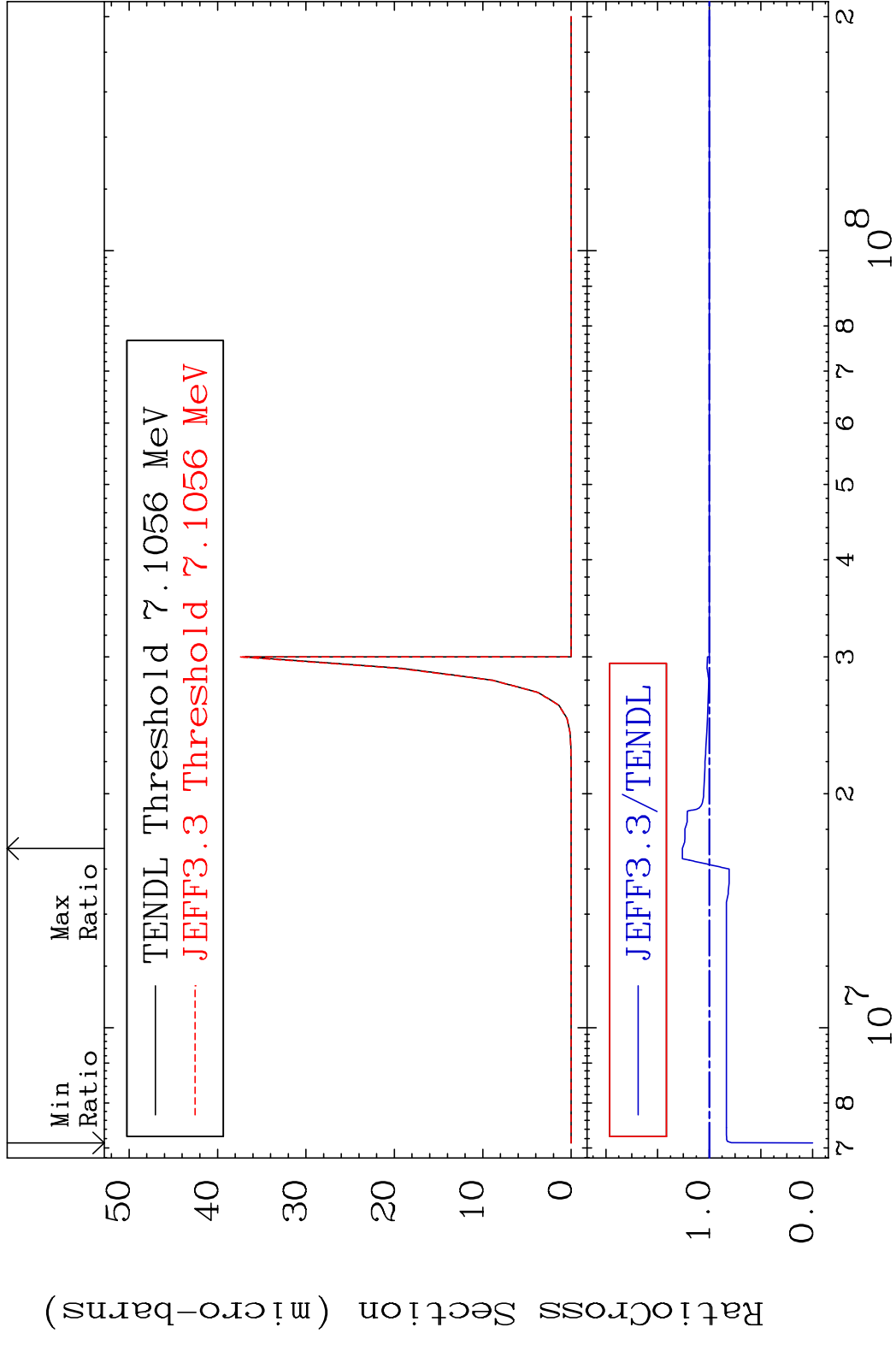
78-Pt-196

MAT 7843

(n, He-3)

78-Pt-196

Cross Section -100.0 To 26.02 %



39

Incident Energy (eV)

78-Pt-196

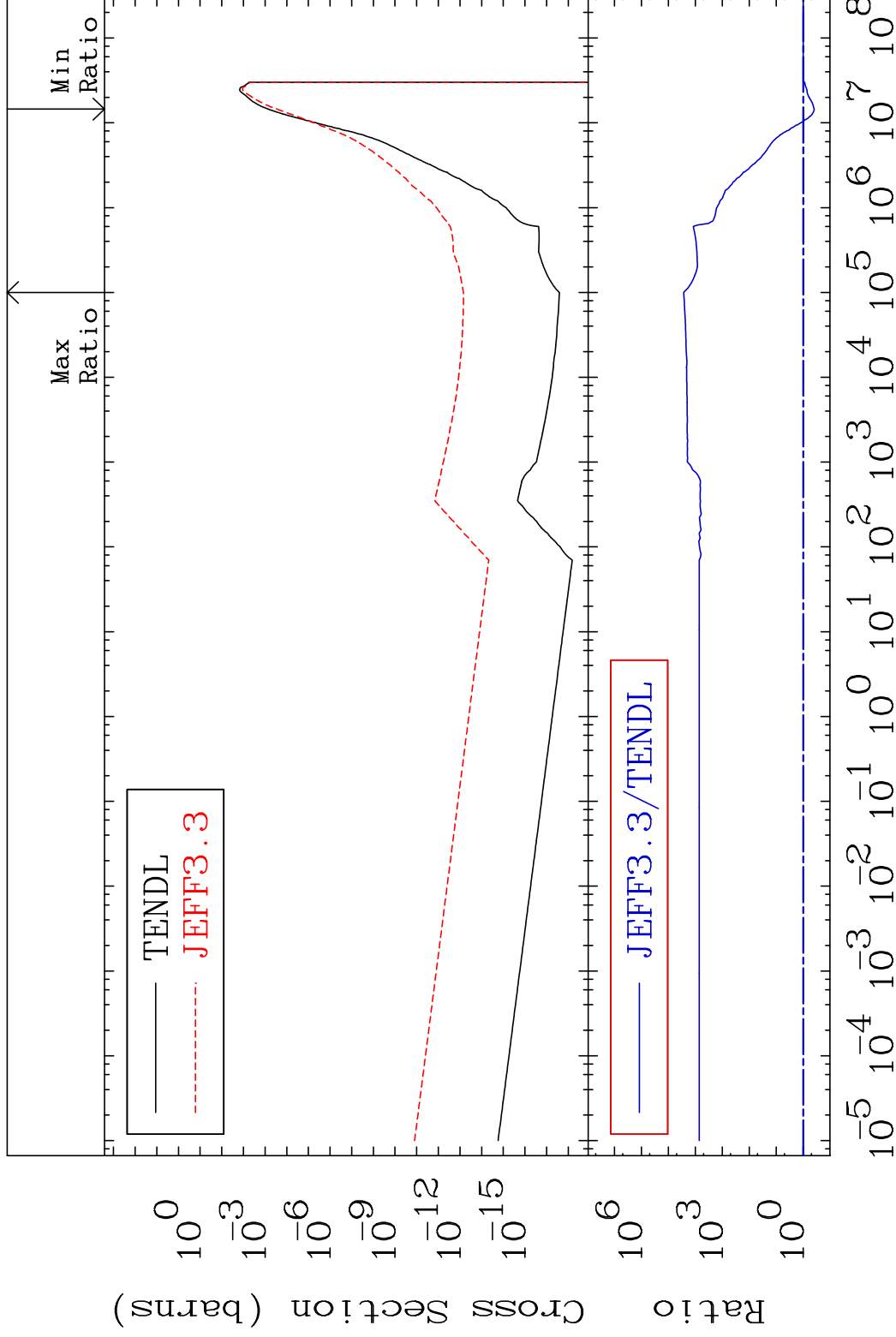
MAT 7843

(n, α)

78-Pt-196

Cross Section

-60.62 To 9999. %



40

Incident Energy (eV)

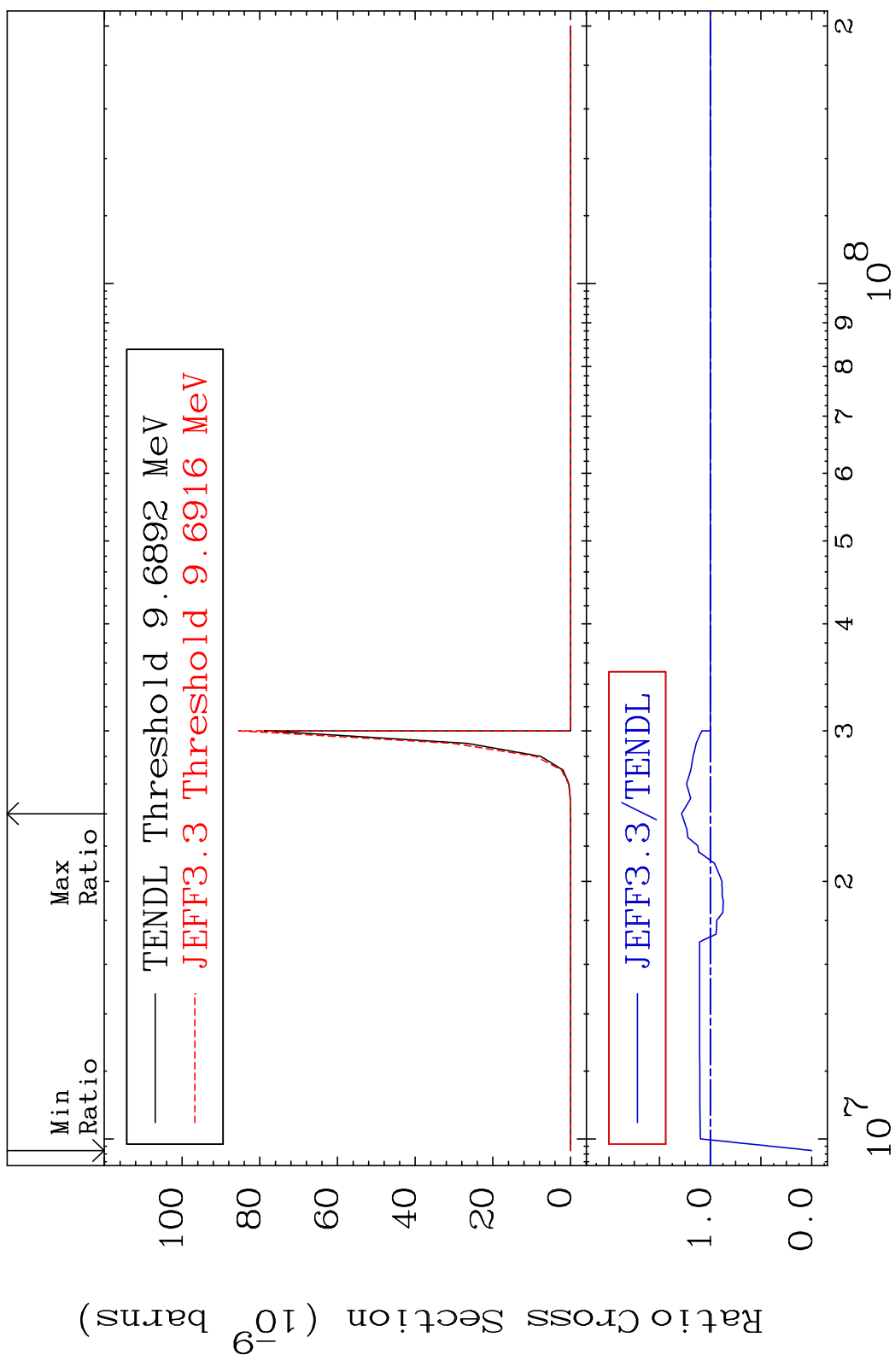
78-Pt-196

MAT 7843

(n,2p)

78-Pt-196

Cross Section -100.0 To 28.30 %



41

Incident Energy (eV)

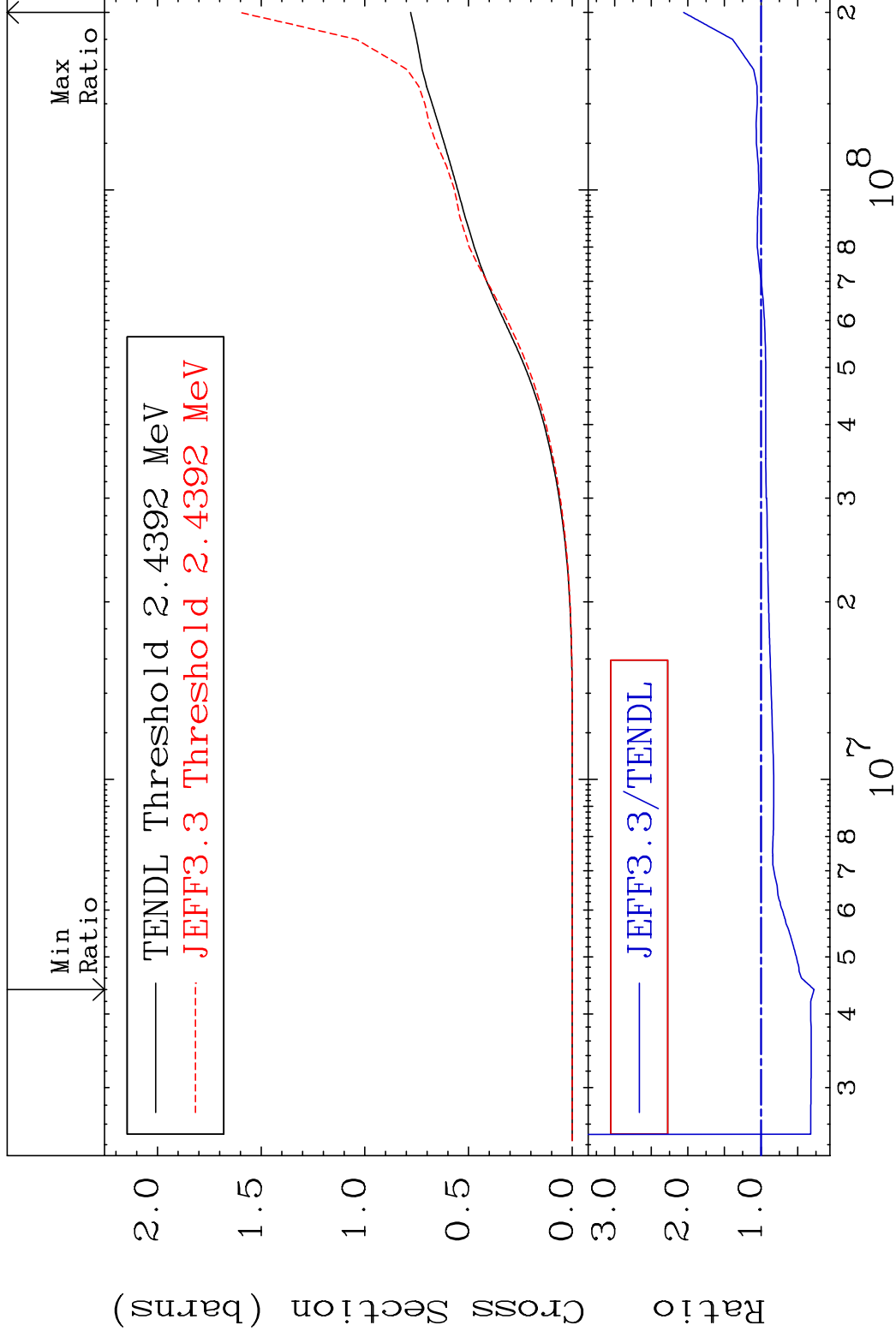
78-Pt-196

MAT 7843

Hydrogen Production

78-Pt-196

Cross Section -72.48 To 105.7 %



42

Incident Energy (eV)

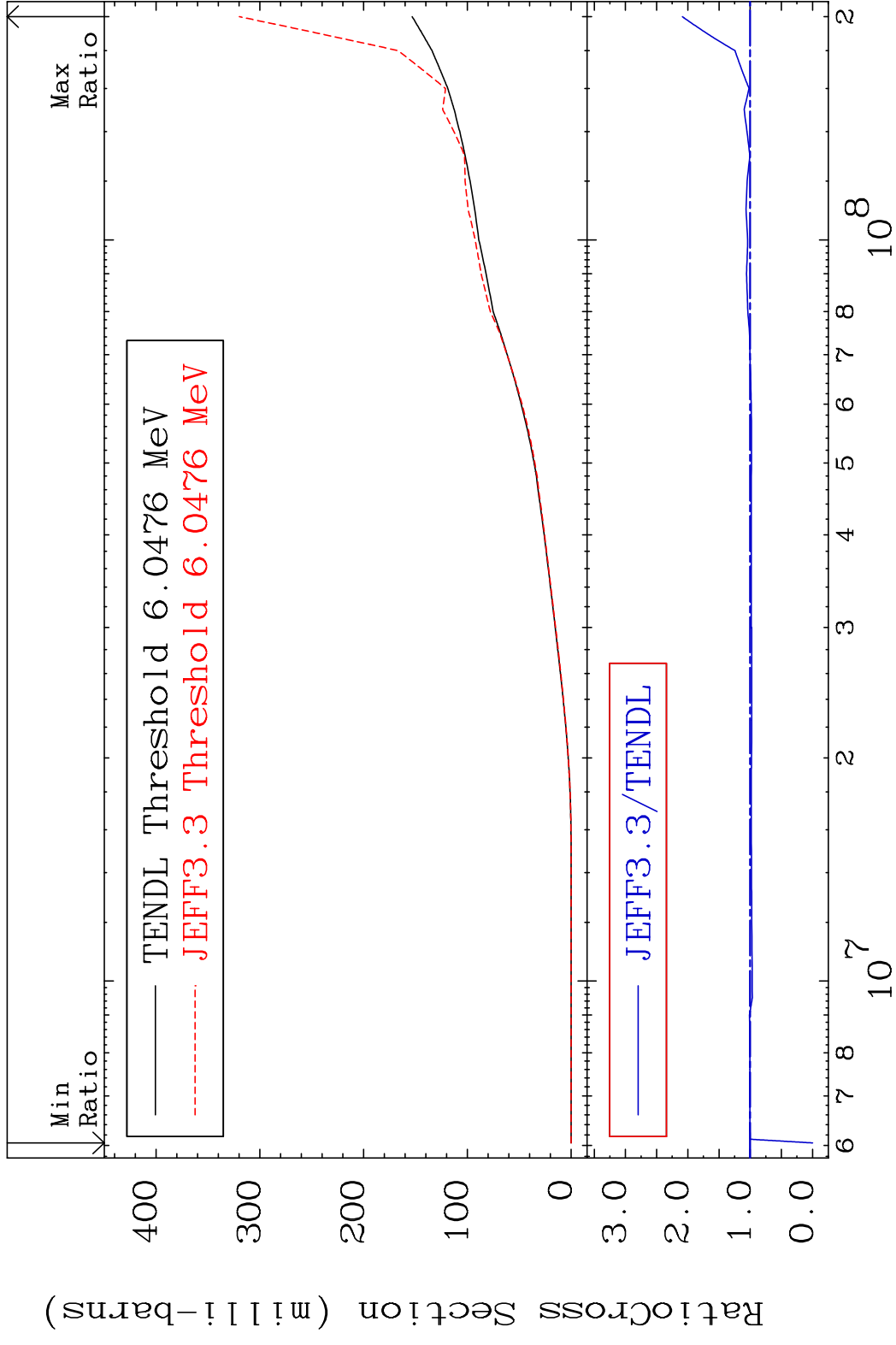
78-Pt-196

MAT 7843

Deuterium Production

78-Pt-196

Cross Section -100.0 To 108.7 %



43

Incident Energy (eV)

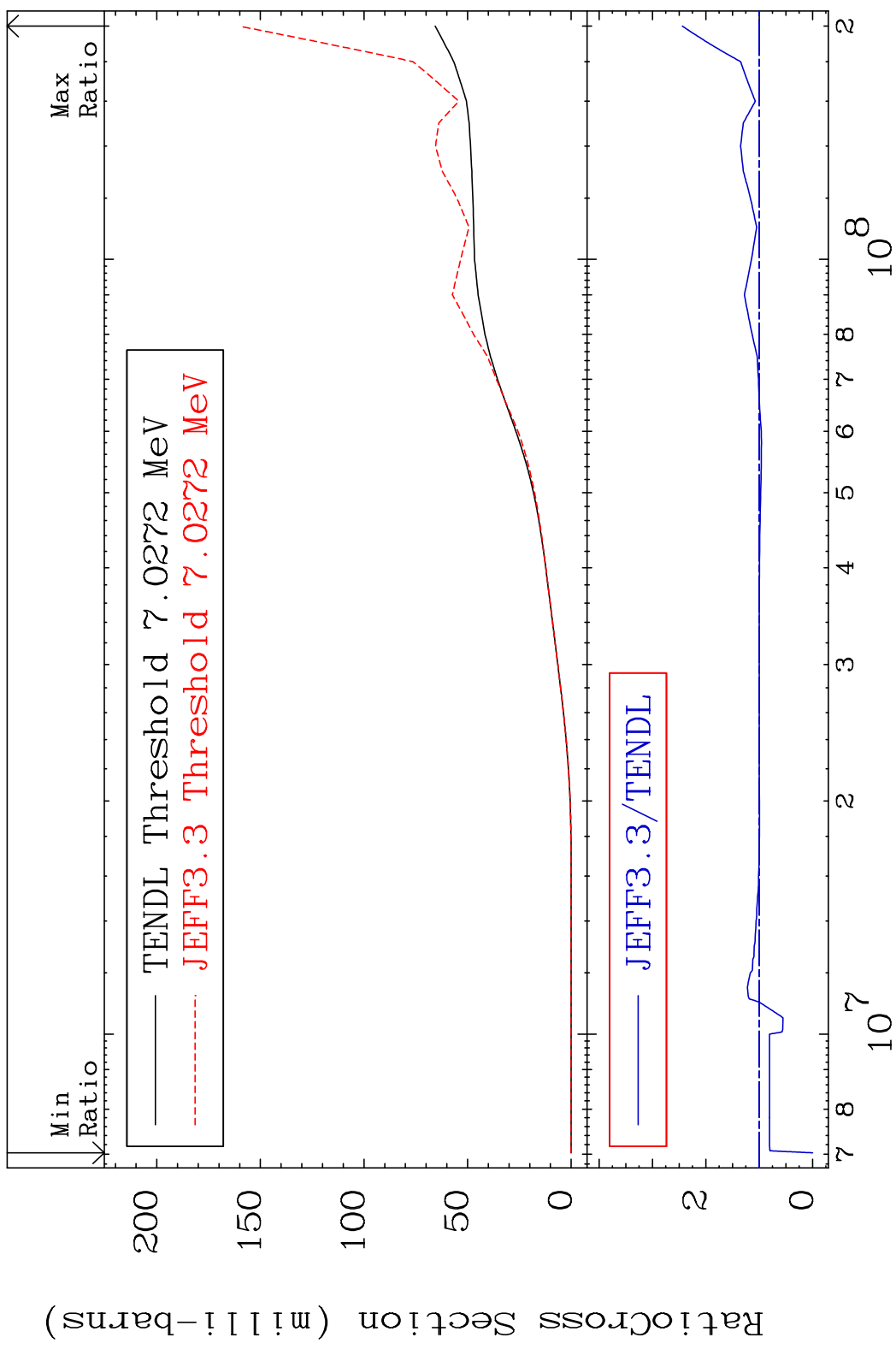
78-Pt-196

MAT 7843

Tritium Production

78-Pt-196

Cross Section -100.0 To 144.0 %



44

Incident Energy (eV)

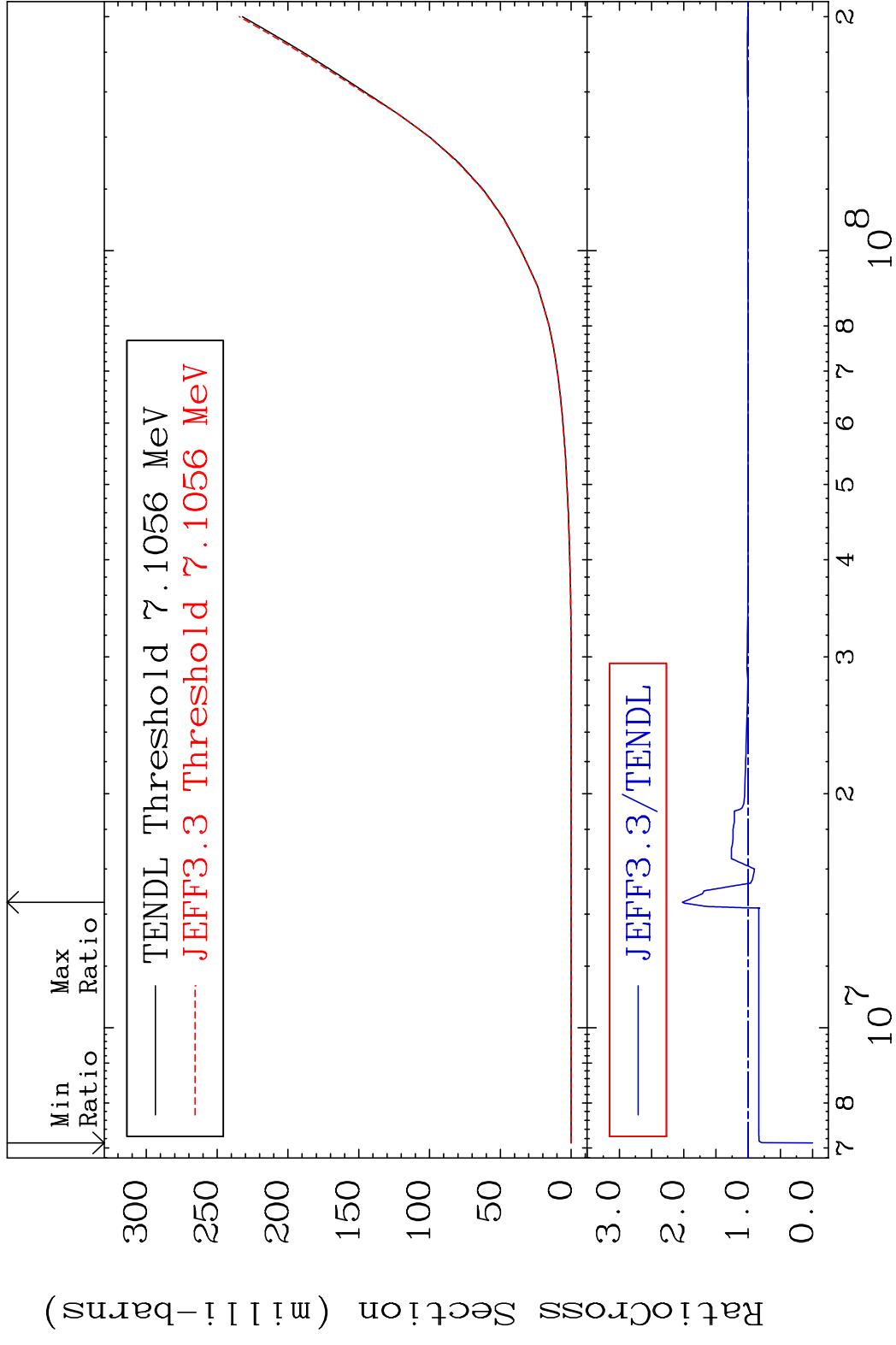
78-Pt-196

MAT 7843

He-3 Production

78-Pt-196

Cross Section -100.0 To 102.2 %



45

Incident Energy (eV)

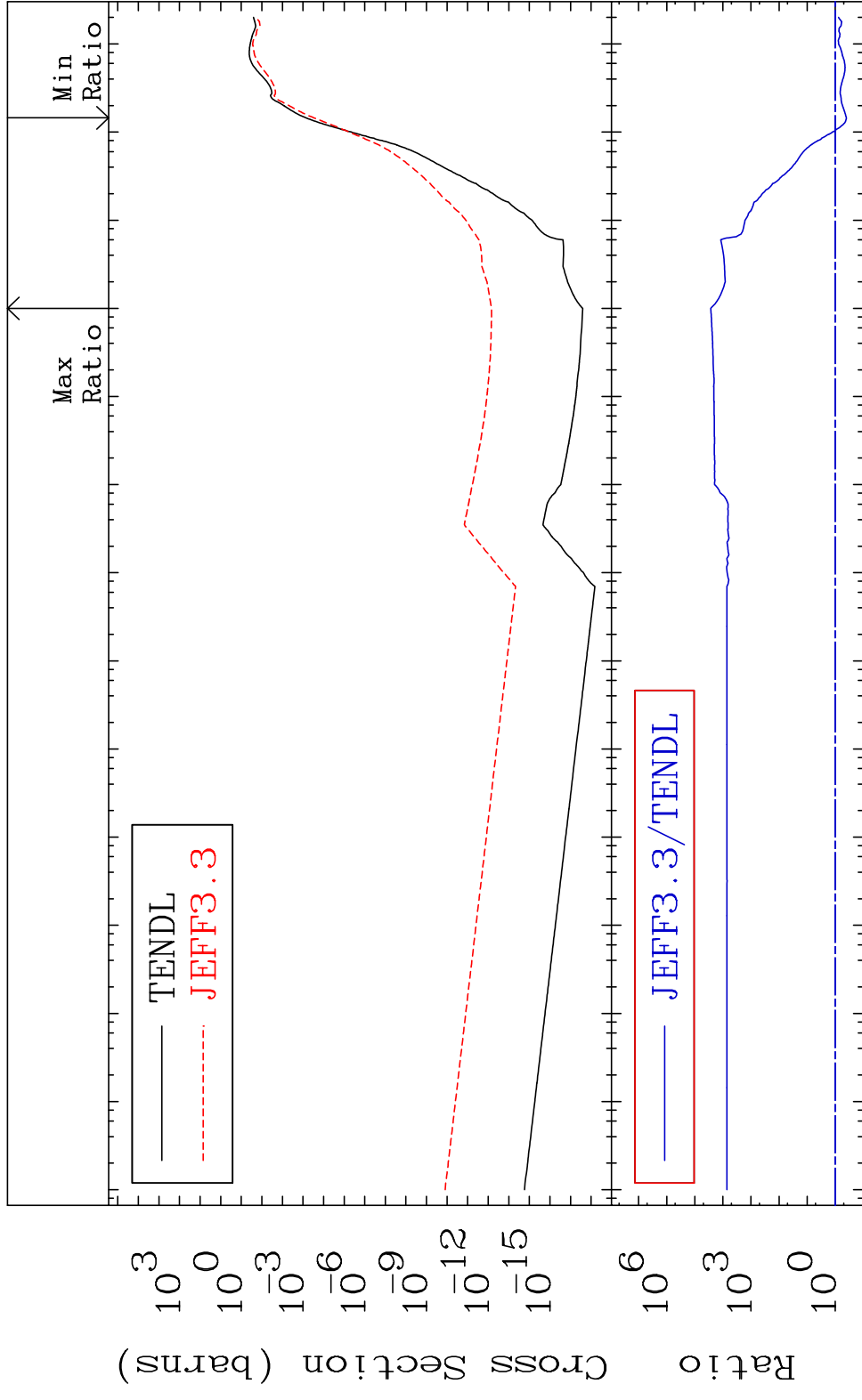
78-Pt-196

MAT 7843

He-4 Production

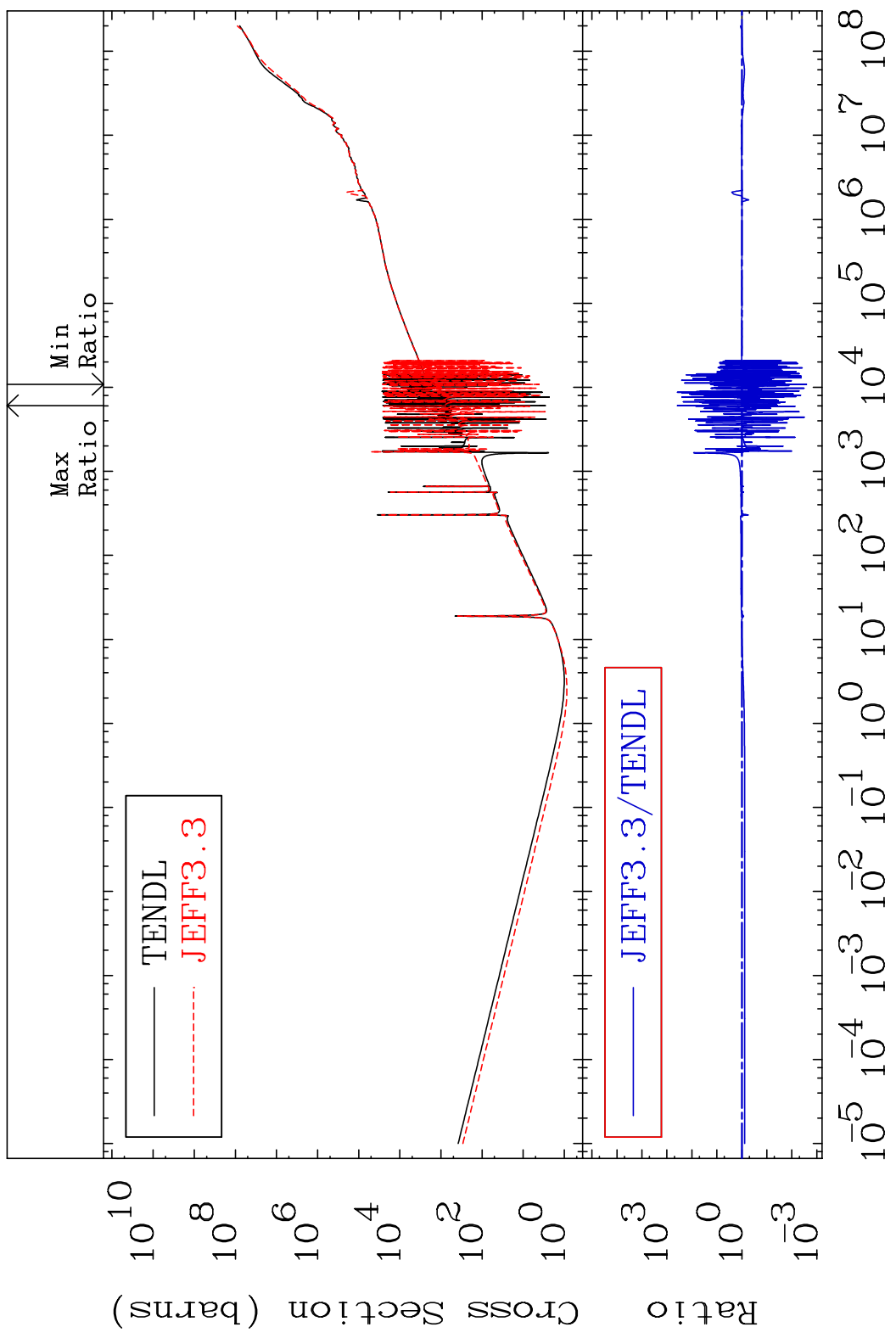
78-Pt-196

Cross Section -59.67 To 9999. %



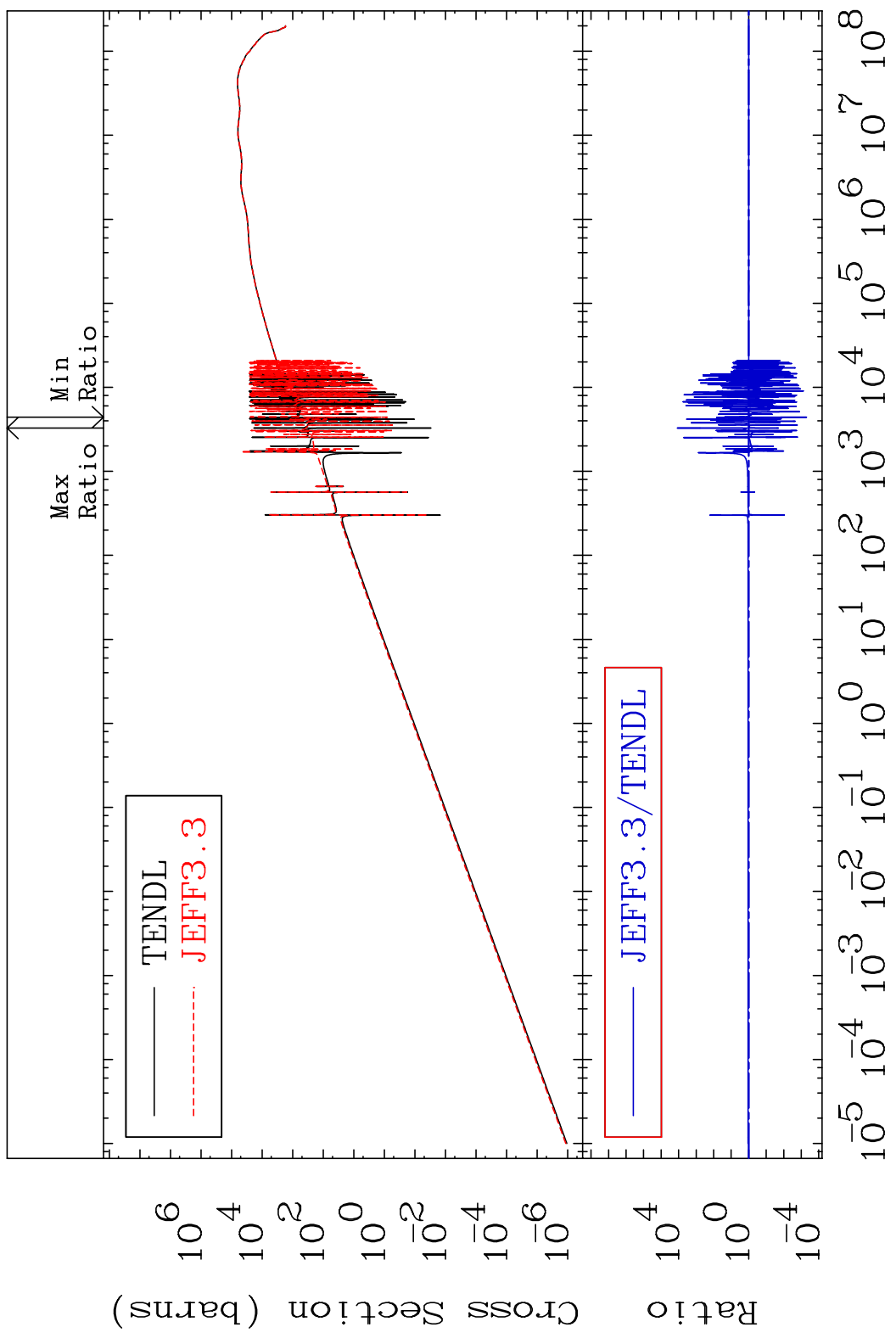
MAT 7843

Kerma total (eV-barns) 78-Pt-196
Cross Section -99.74 To 9999. %

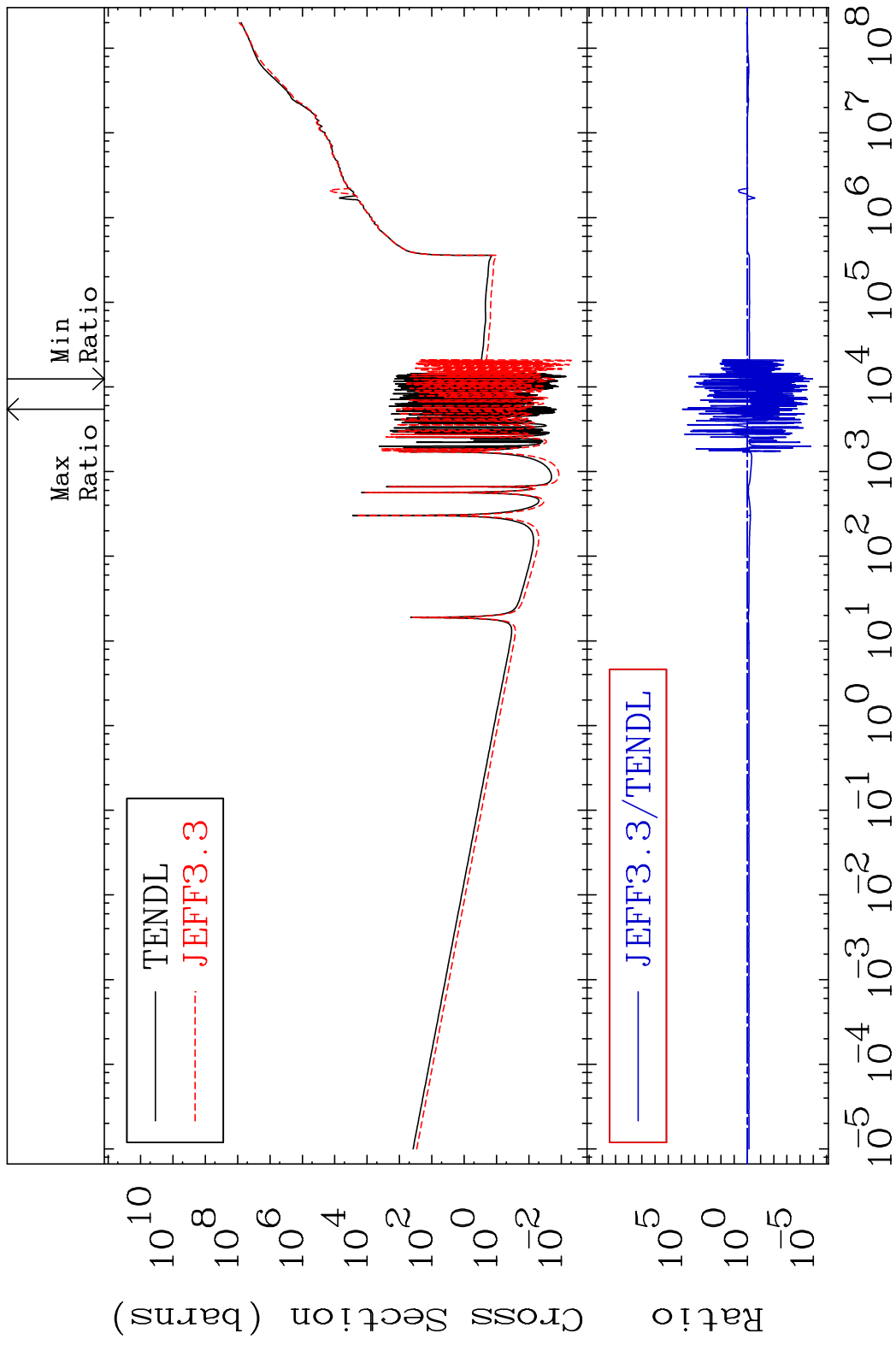


MAT 7843

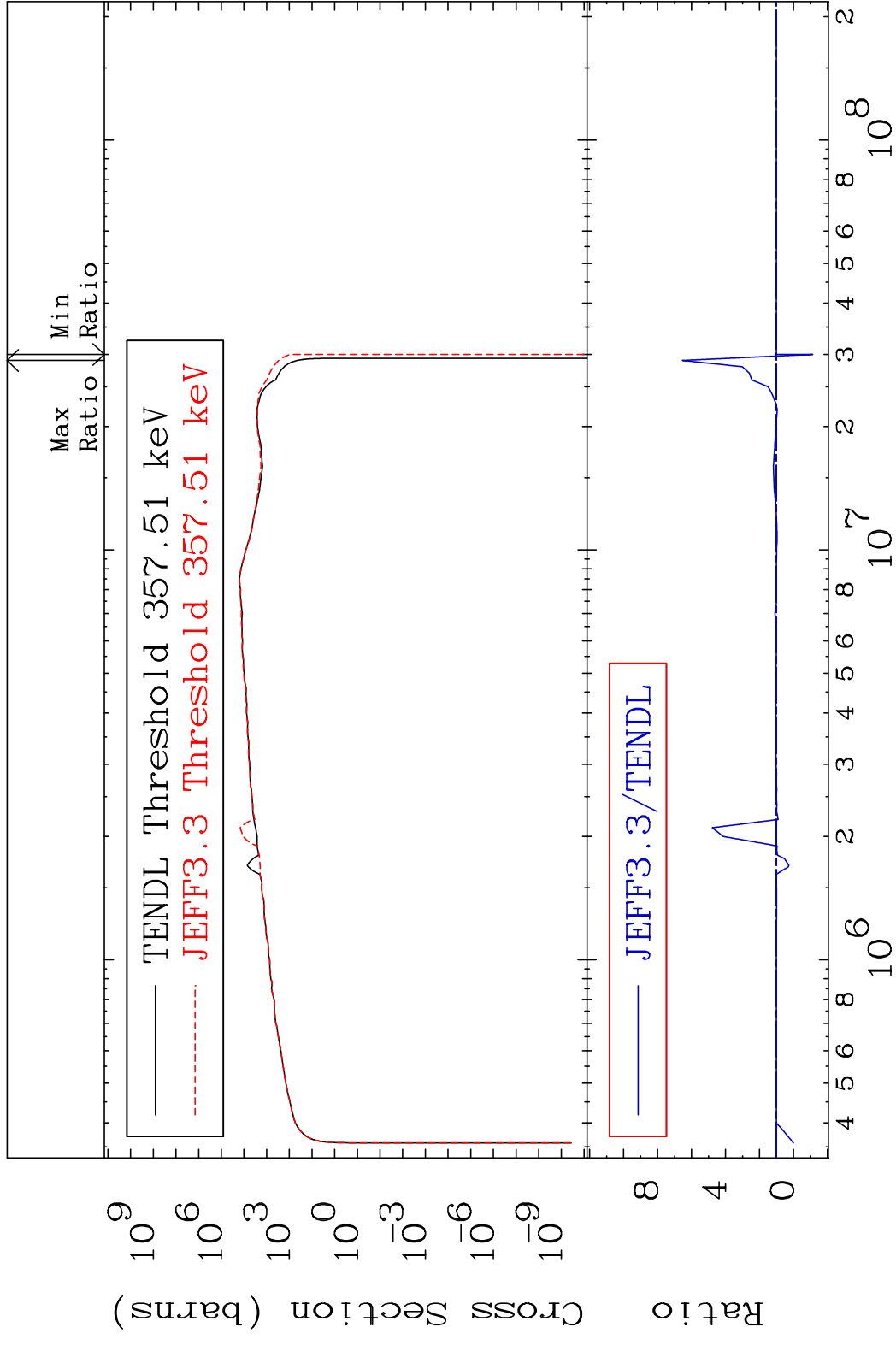
Kerma elastic Cross Section -99.95 To 9999. %
78-Pt-196



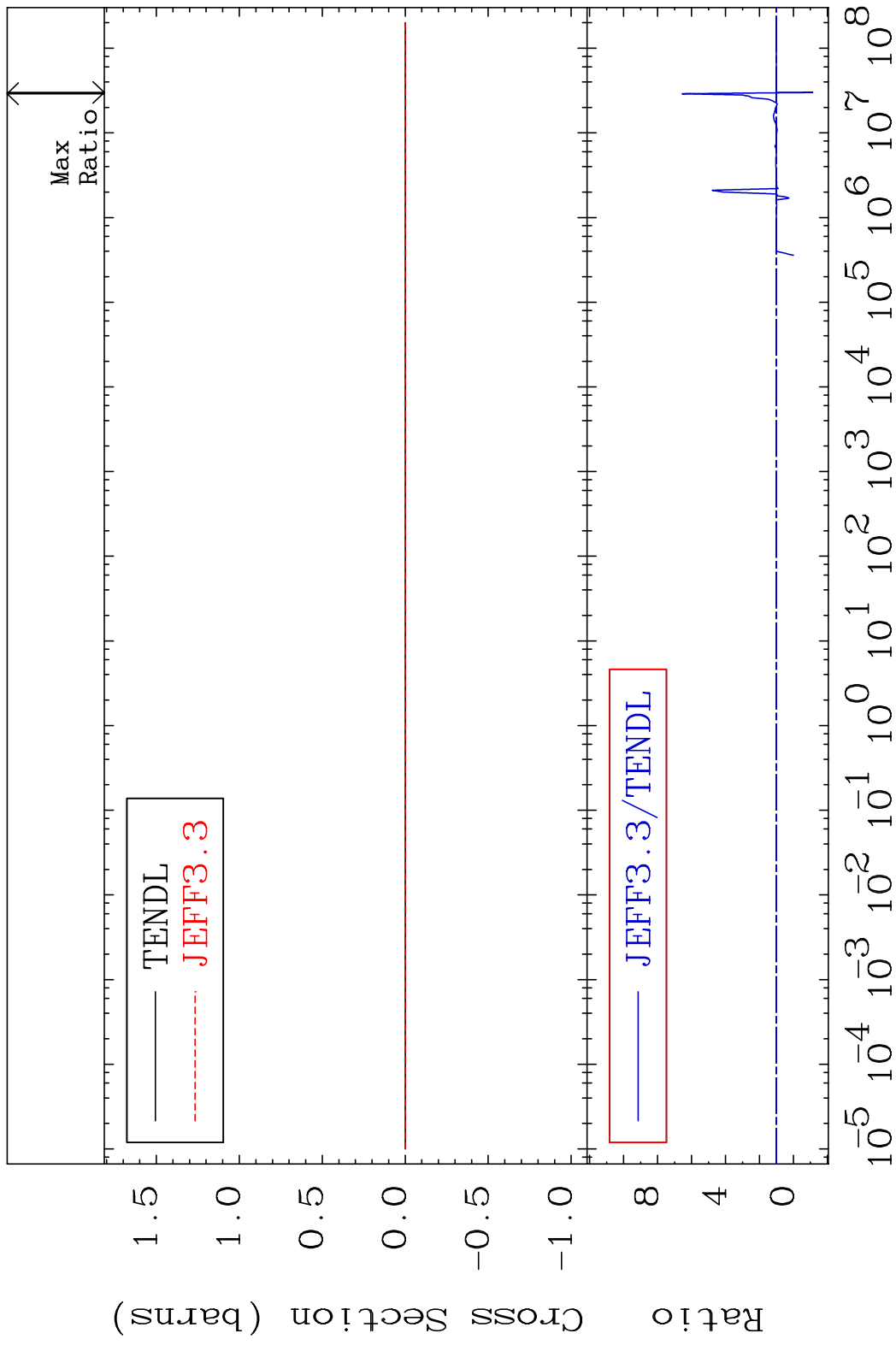
MAT 7843 Kerma non-elastic (all but mt2) 78-Pt-196
 Cross Section -100.0 To 9999. %

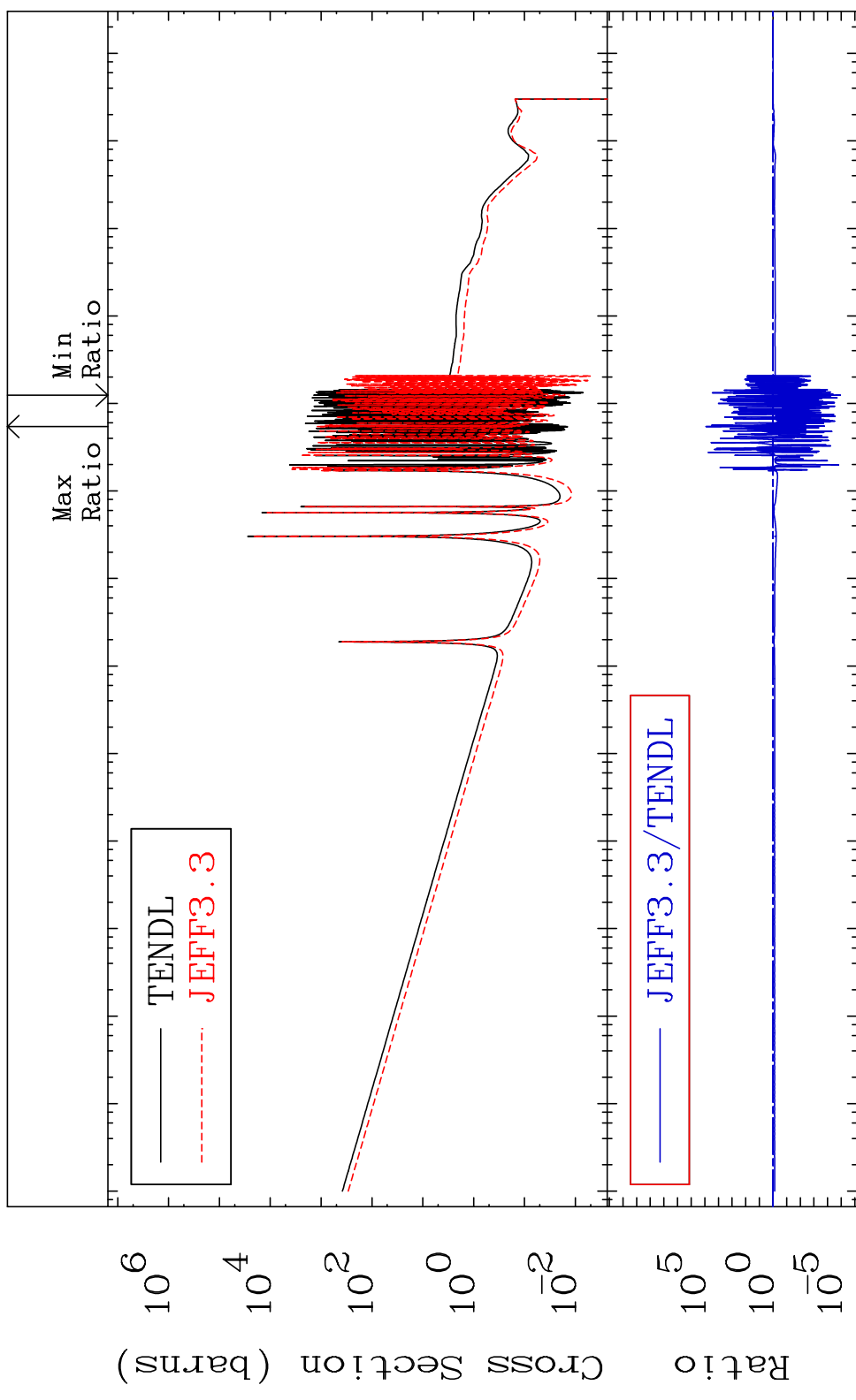


MAT 7843 Kerma inelastic (mt51-91) 78-Pt-196
 Cross Section -212.6 To 554.0 %



MAT 7843 Kerma fission (mt18 or mt19-20-21-38)78-Pt-196
 Cross Section -212.6 To 554.0 %

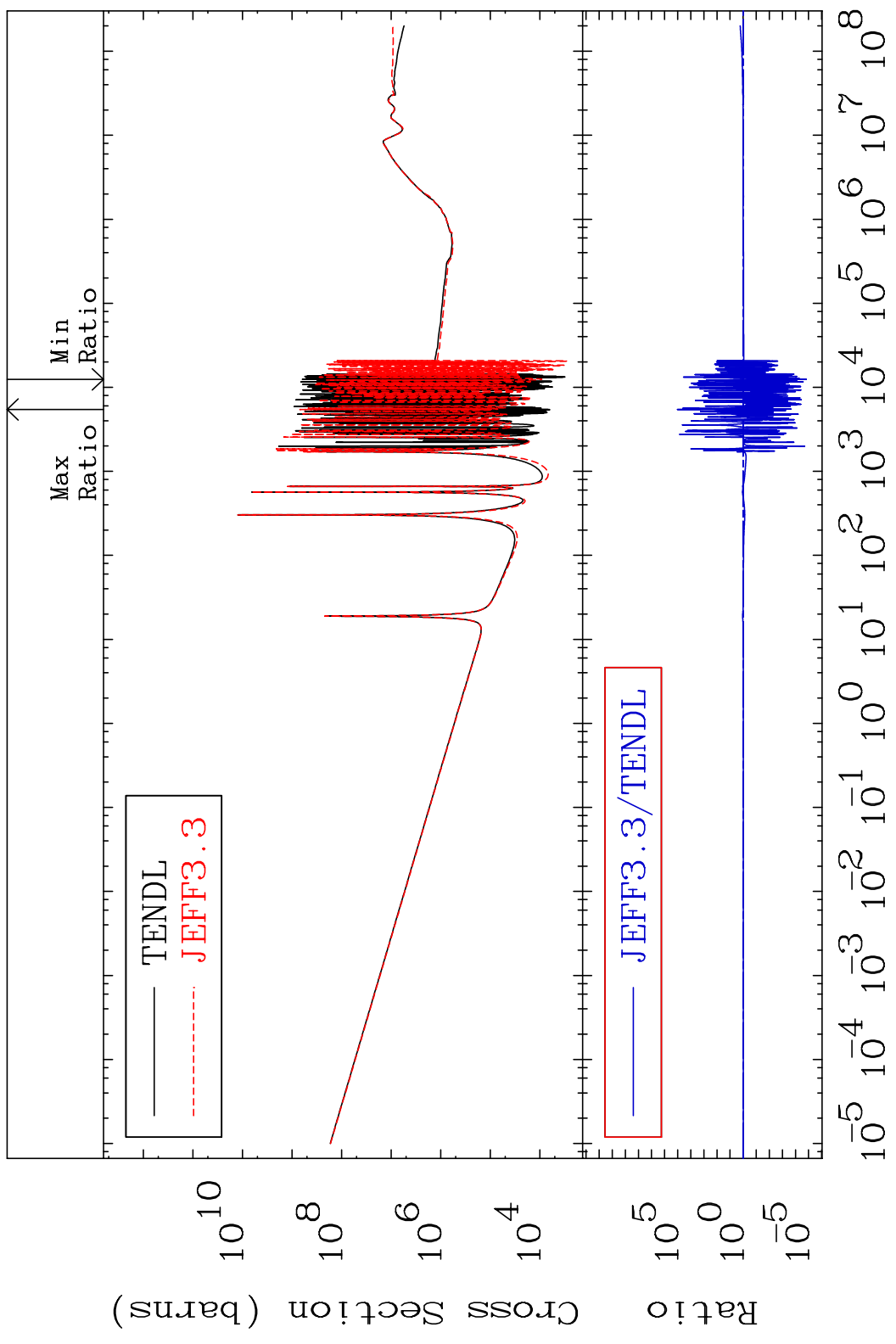




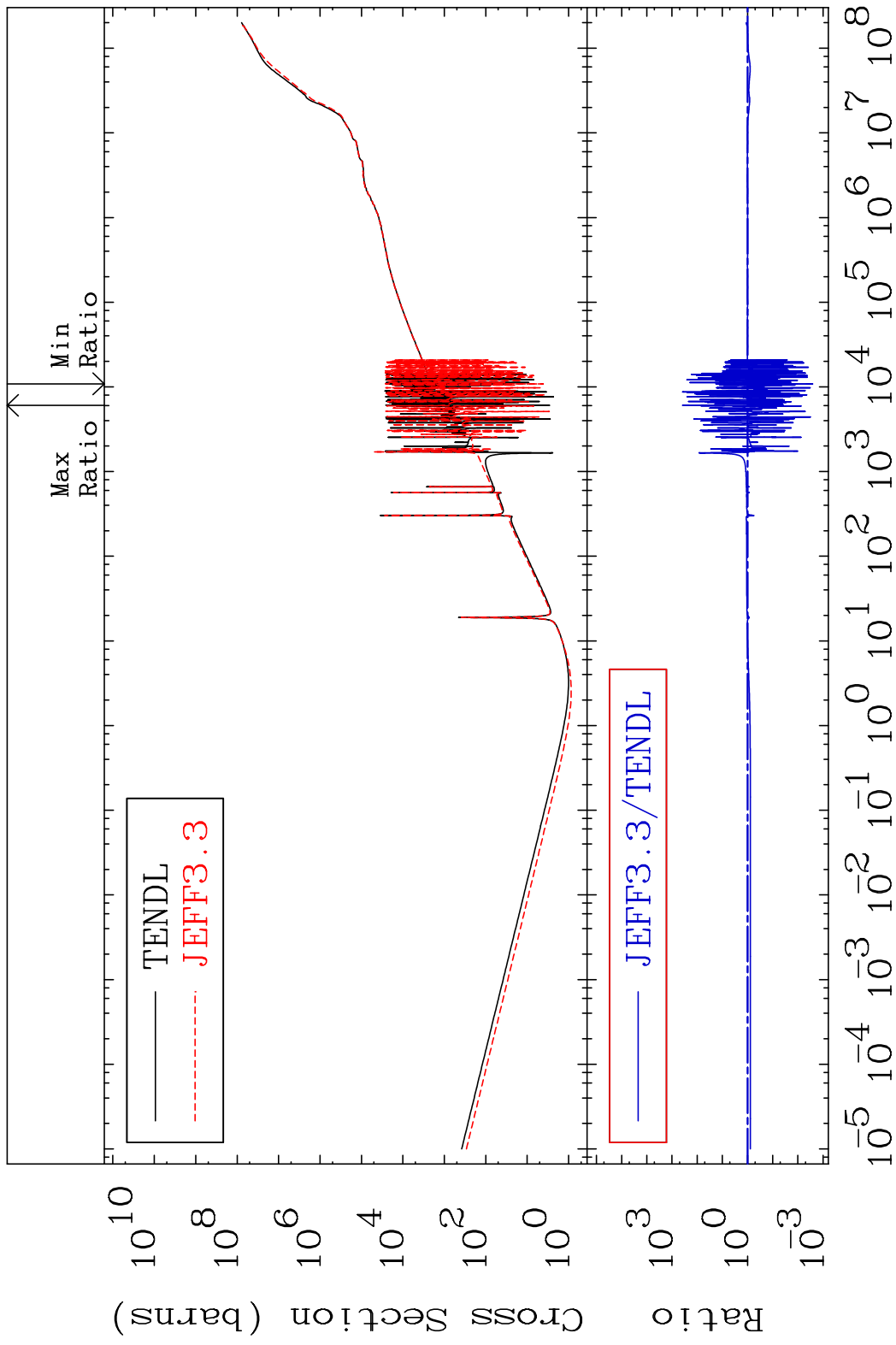
10⁶
10⁴
10²
10⁰
10⁻²
10⁵
10⁰
10⁻⁵
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

MAT 7843

Total photon (eV-barns) 78-Pt-196
Cross Section -100.0 To 9999. %



MAT 7843 Total kinematic kerma (high limit) 78-Pt-196
 Cross Section -99.74 To 9999. %

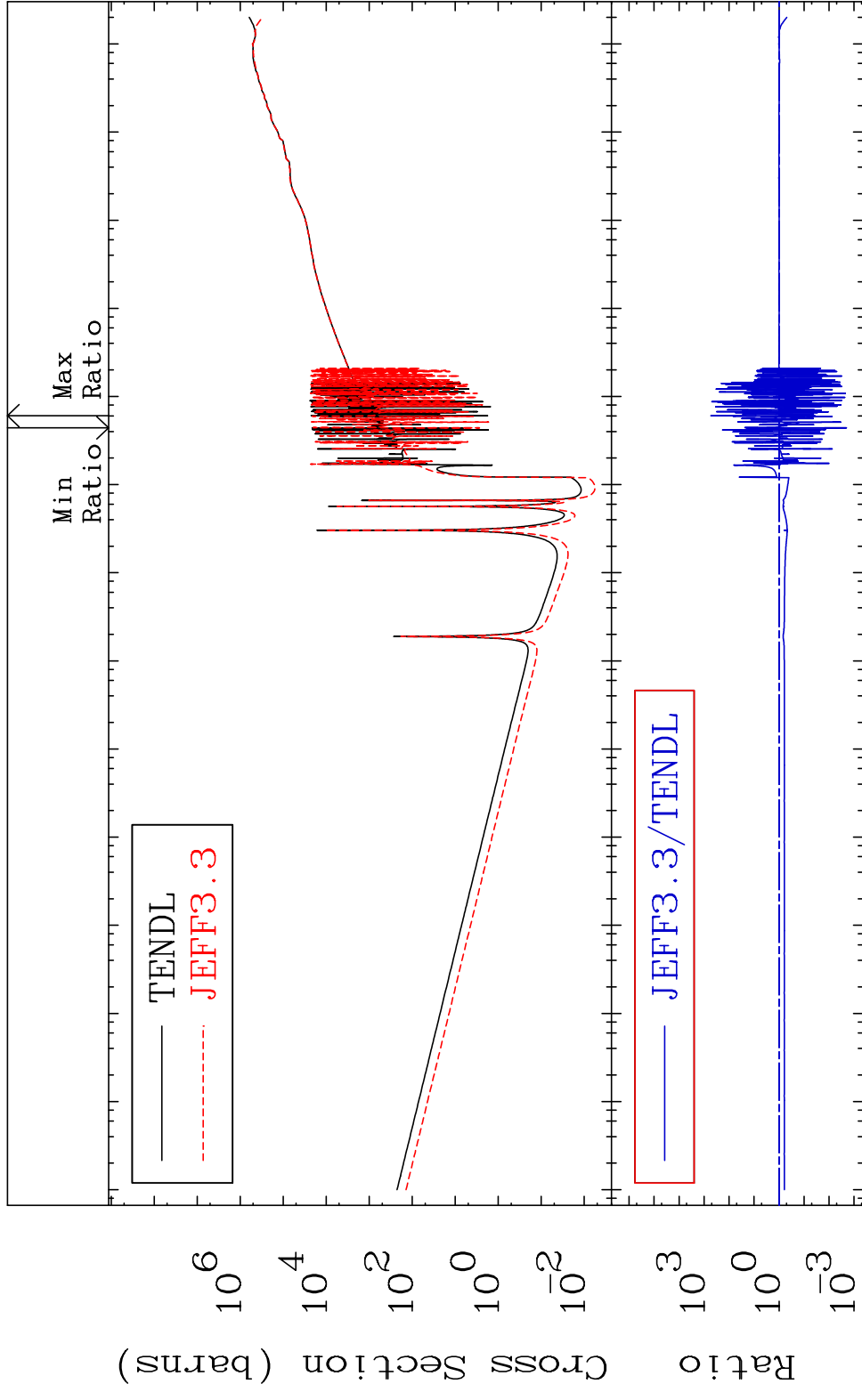


MAT 7843

Dpa total (eV-barns)

78-Pt-196

Cross Section -99.80 To 9999. %

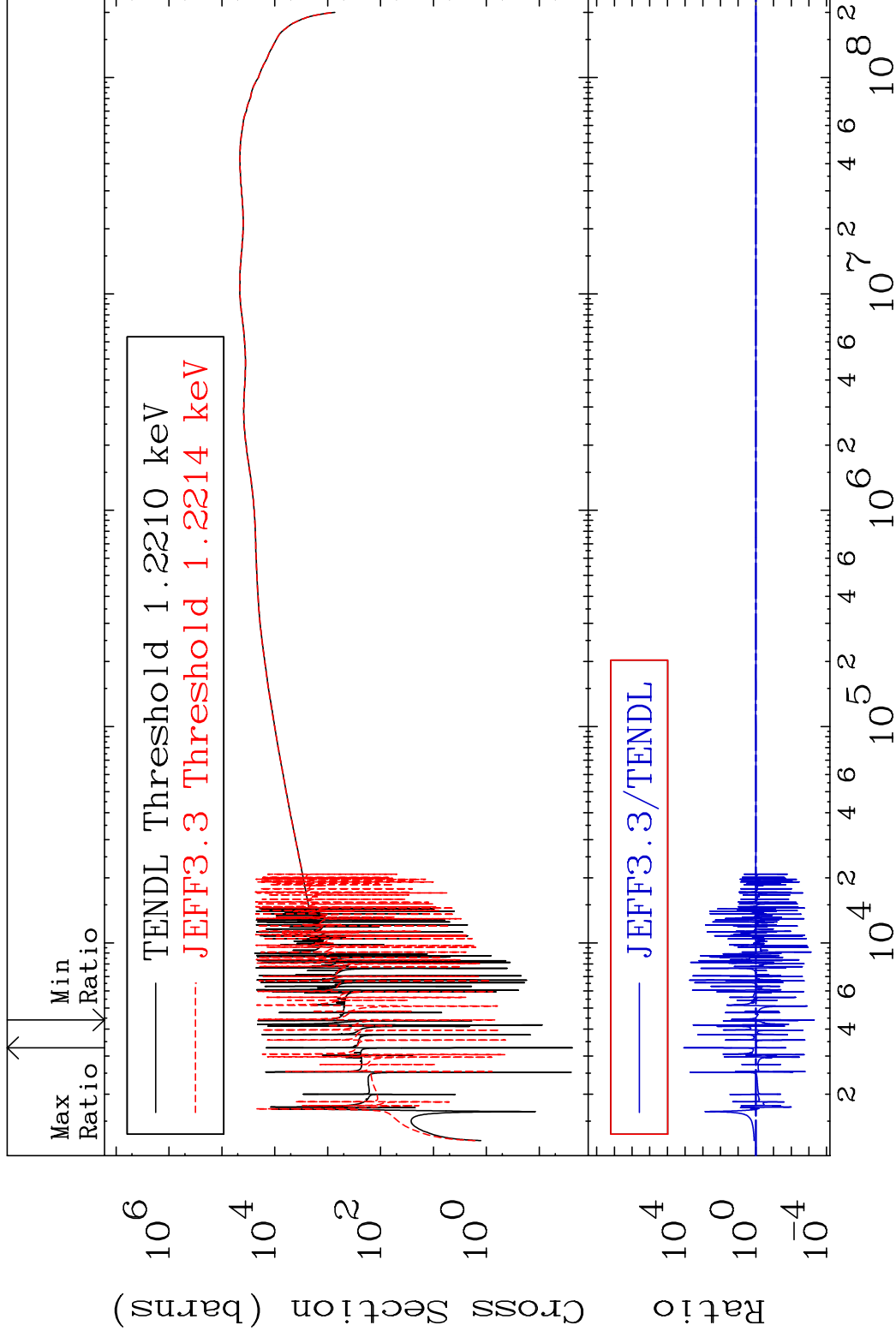


MAT 7843

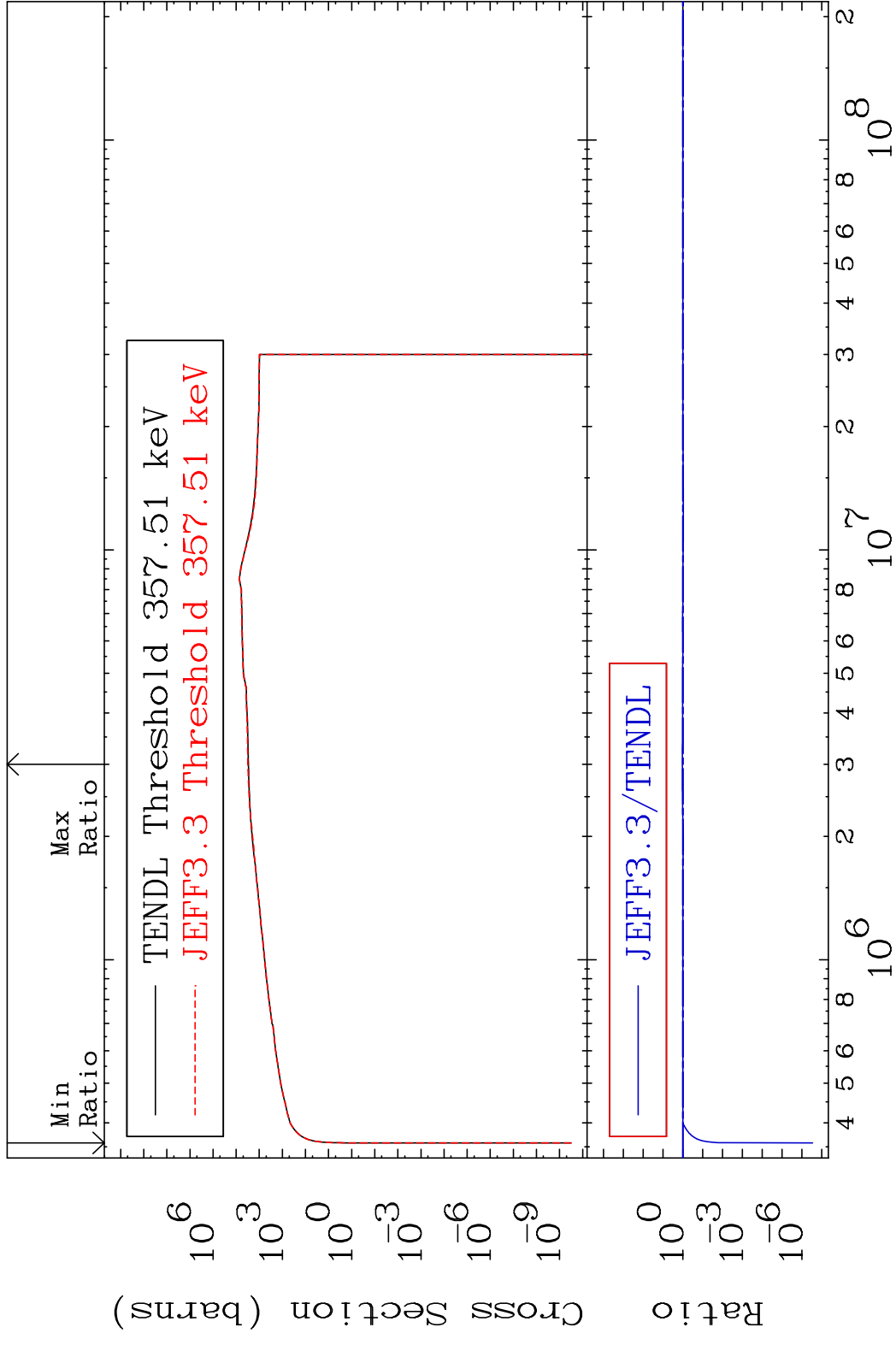
Dpa elastic (mt2)

78-Pt-196

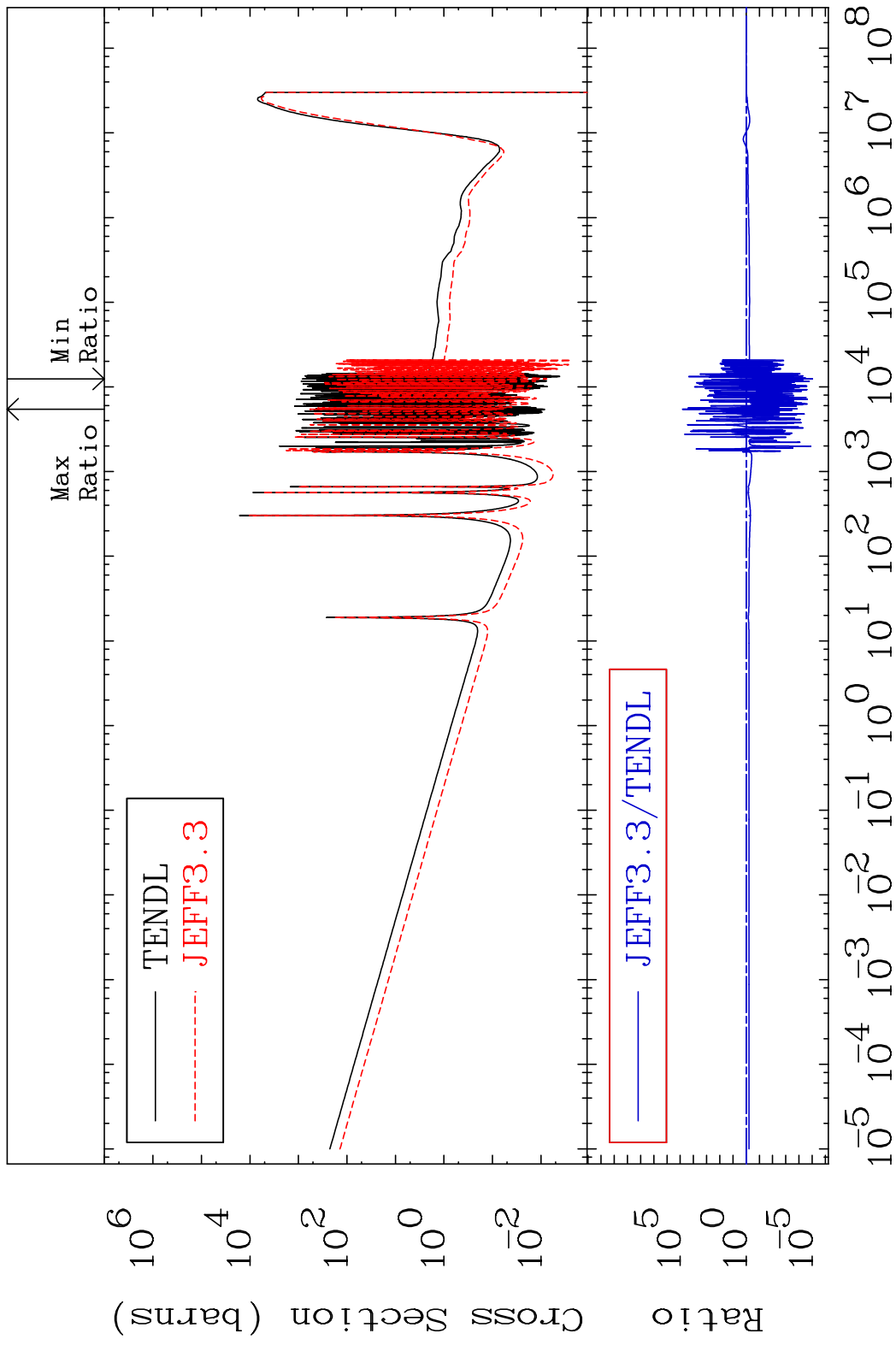
Cross Section -99.95 To 9999. %

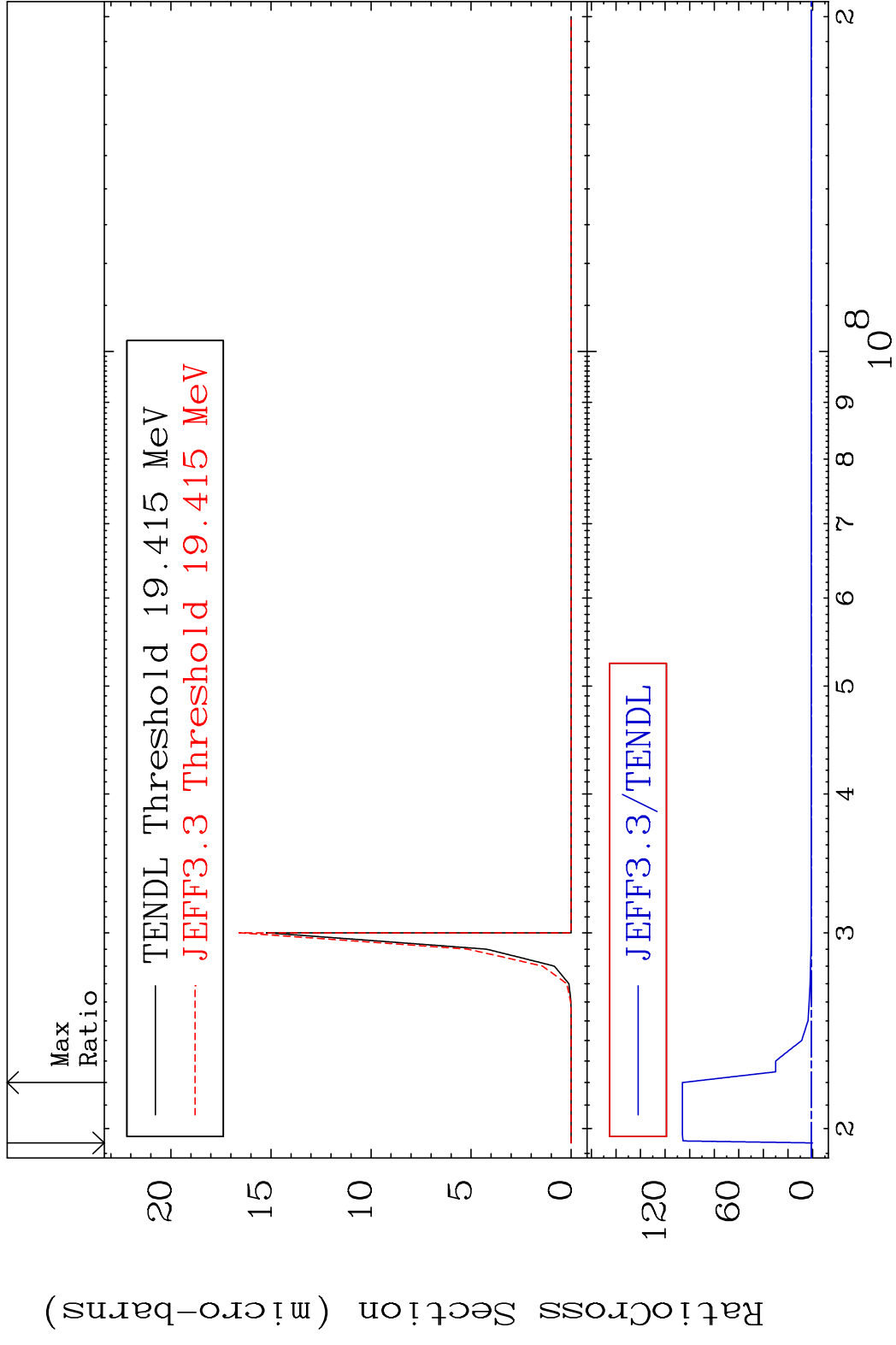


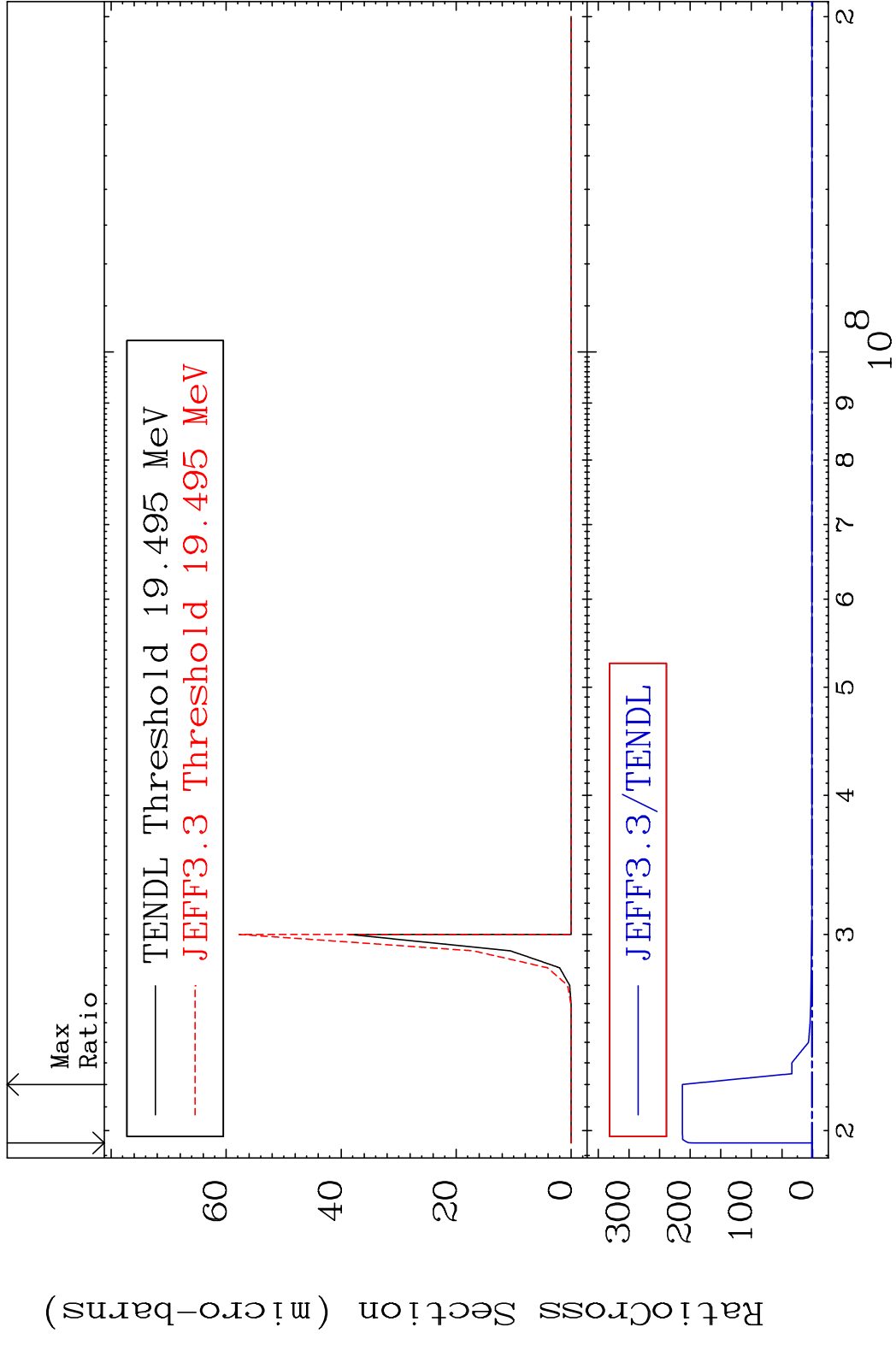
MAT 7843 Dpa inelastic (mt51-91) 78-Pt-196
 Cross Section -100.0 To 5.708 %



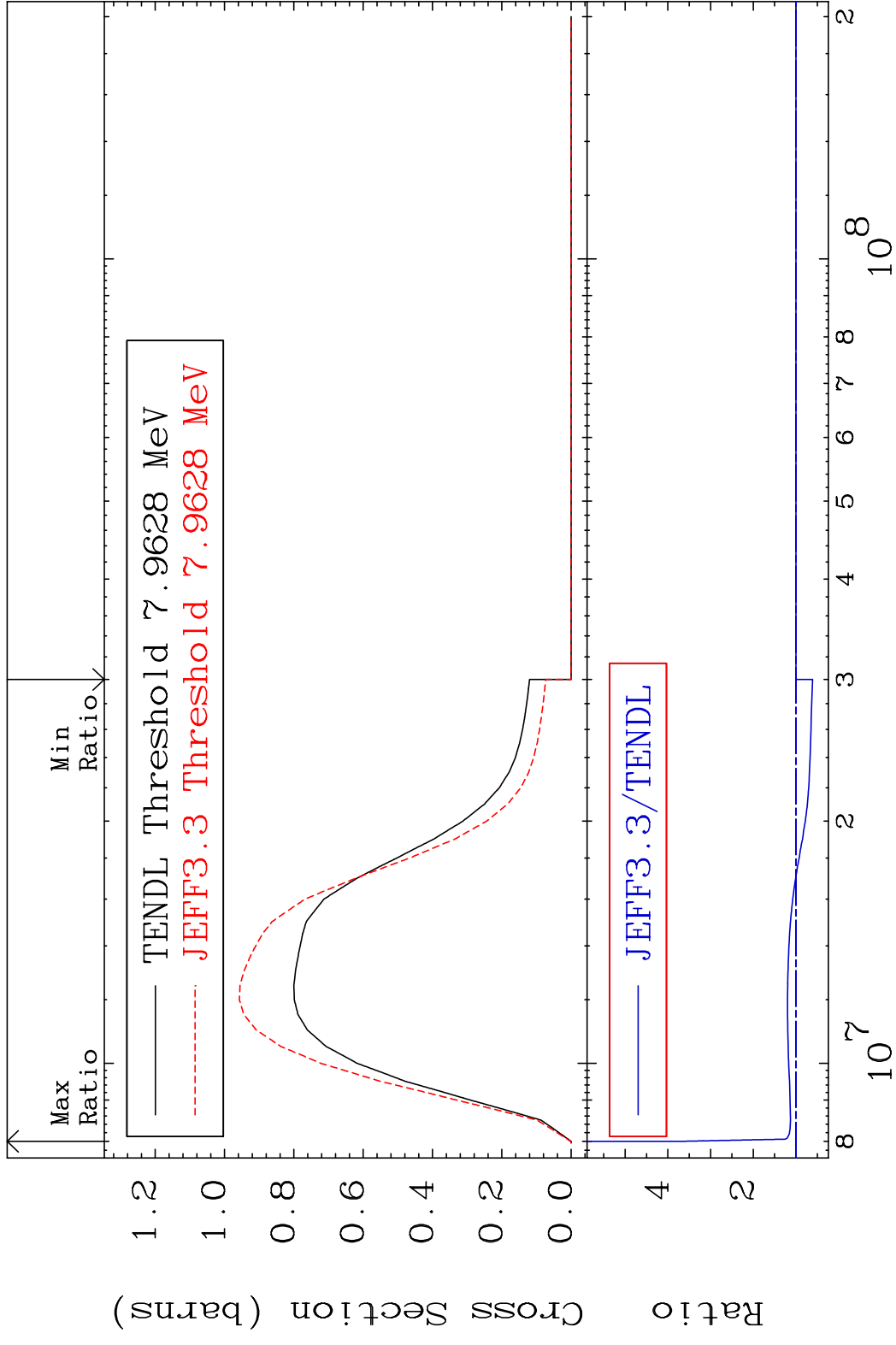
MAT 7843 Dpa disappearance (mt102 -120) 78-Pt-196
 Cross Section -100.0 To 9999. %



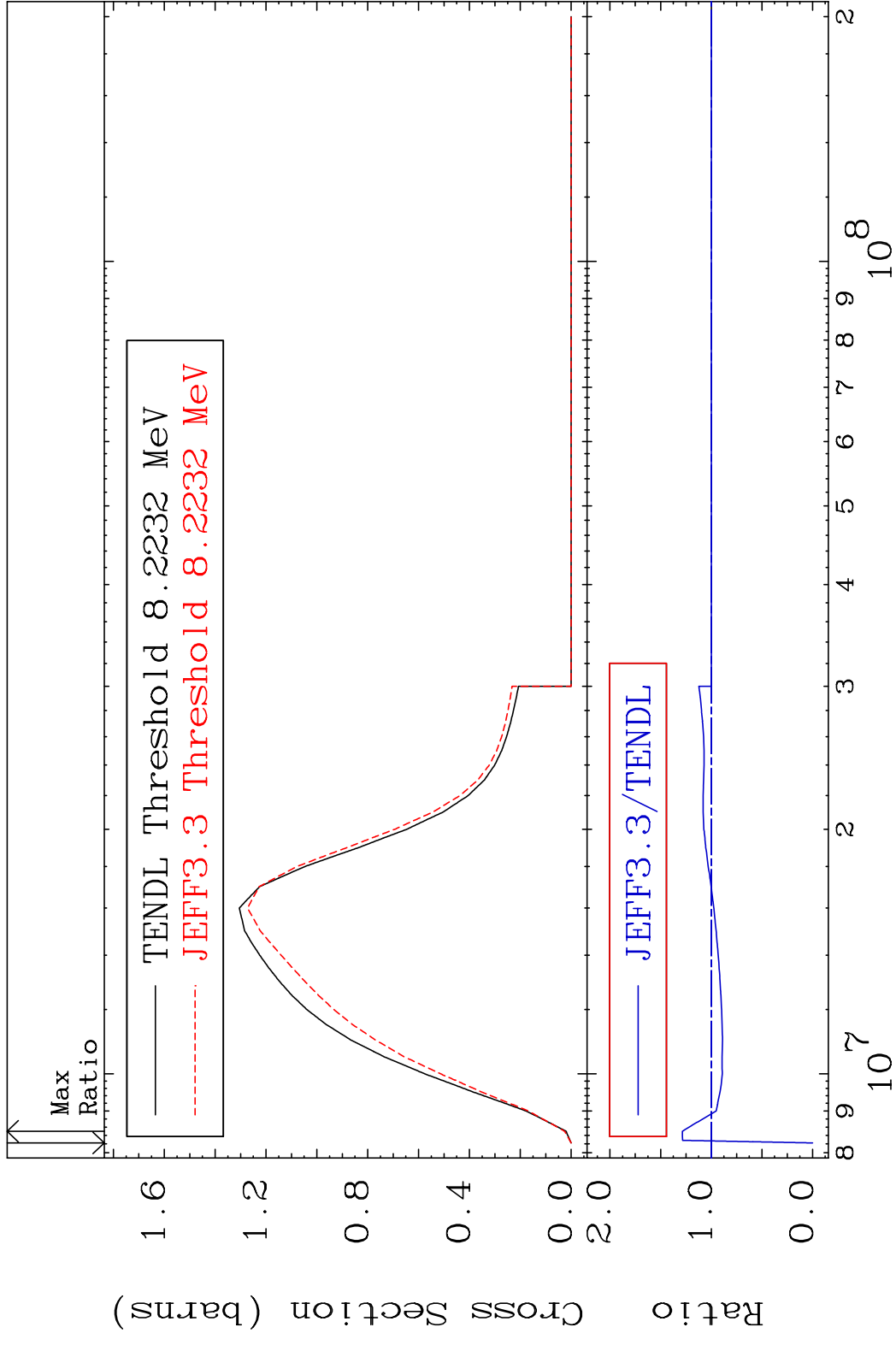


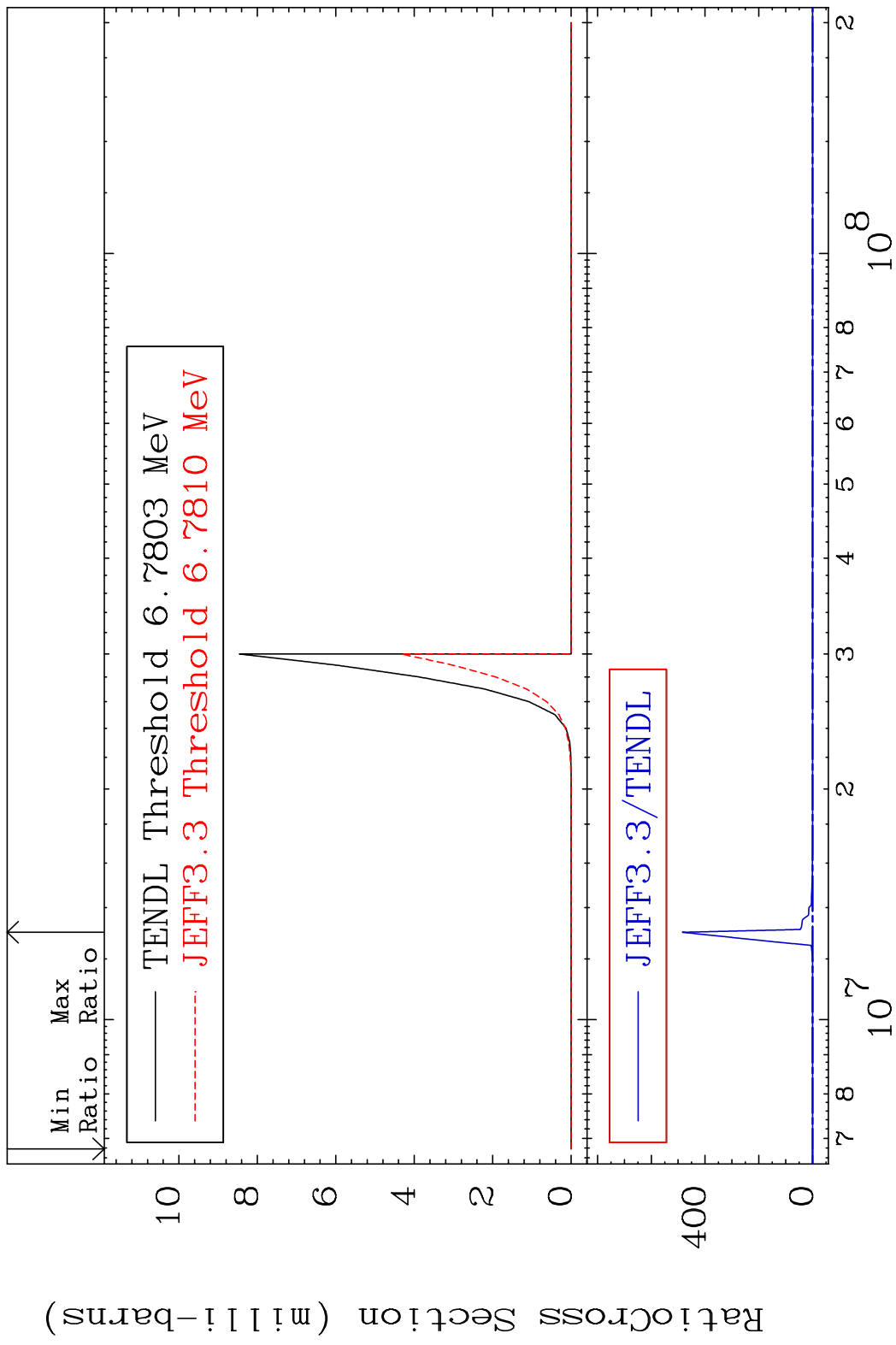


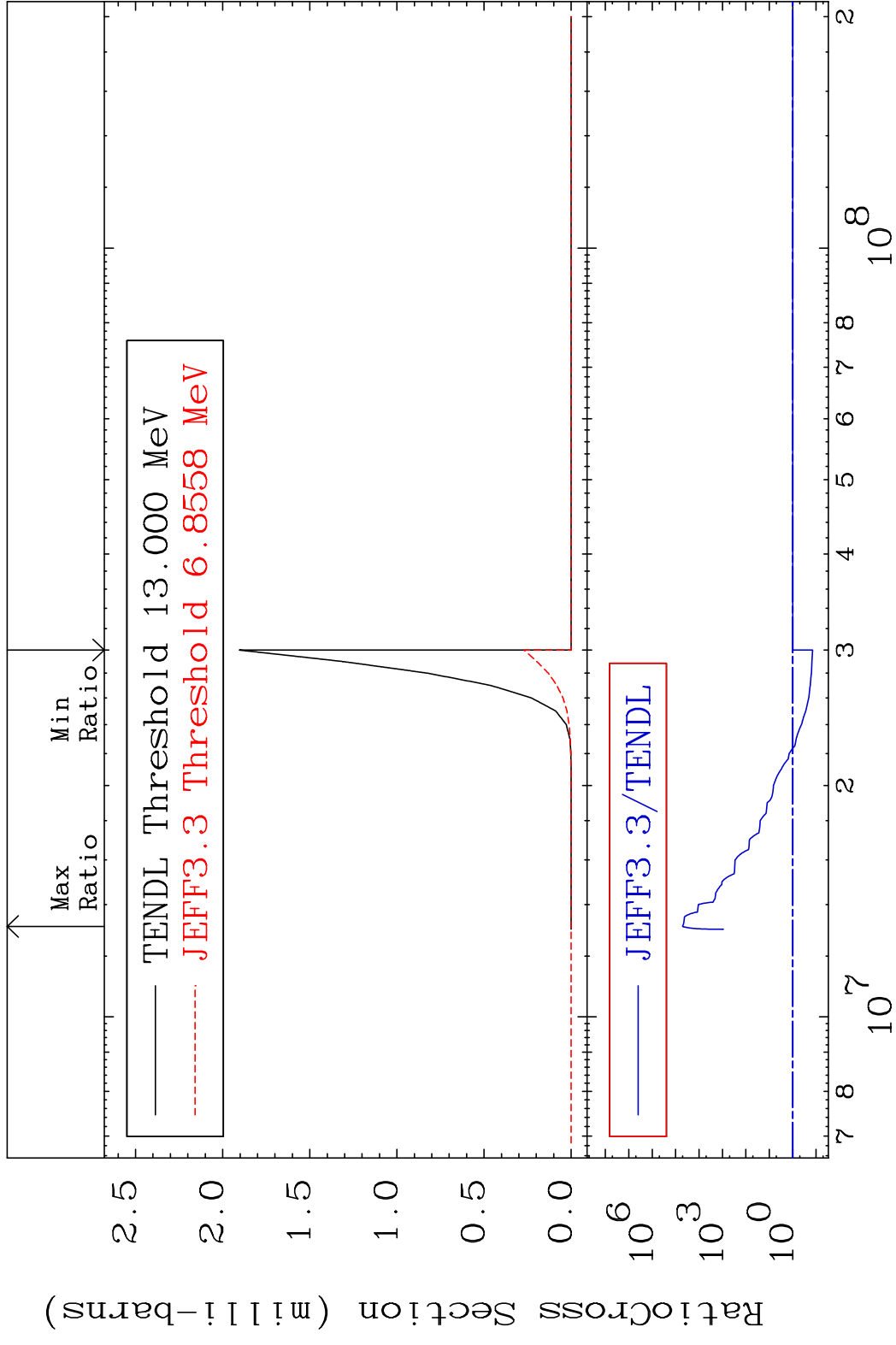
MAT 7843 (n,2n):78-Pt-195g 78-Pt-196
 Radionuclide Production Cross Section 38.678 dno 266.0 %

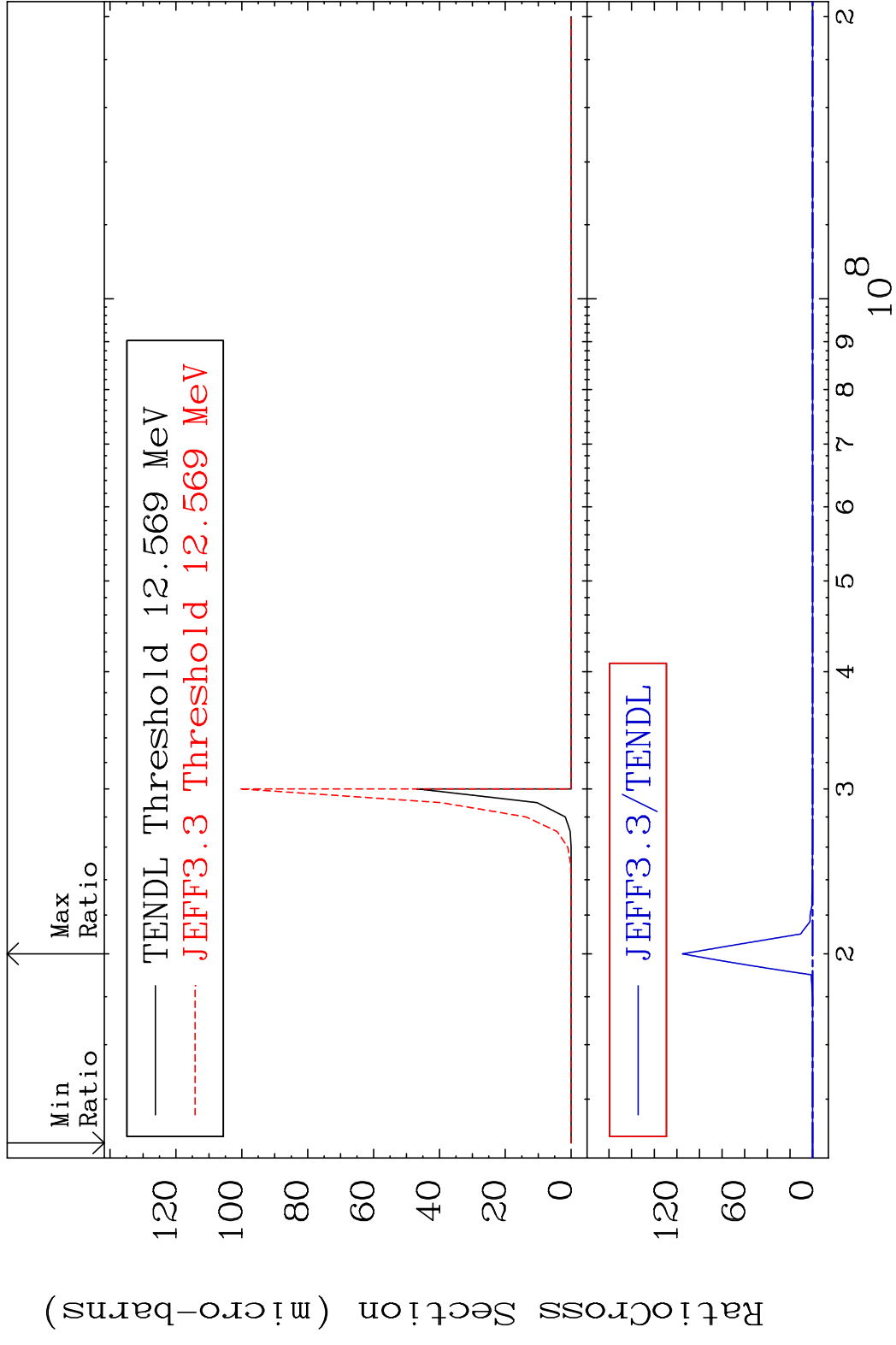


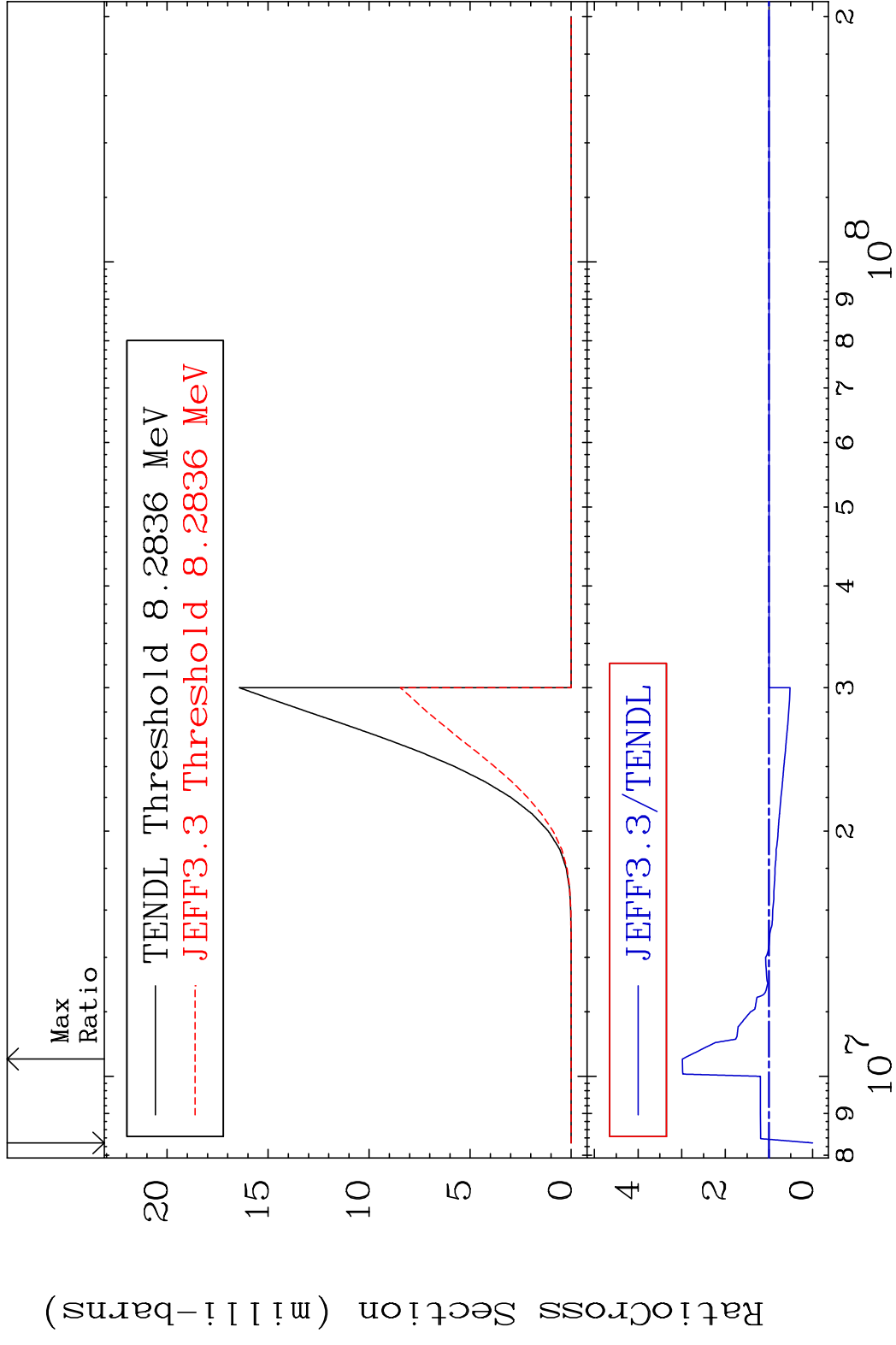
MAT 7843 (n,2n):78-Pt-195m7 78-Pt-196
 Radionuclide Production Cross Section 180.01 dth 28.54 %

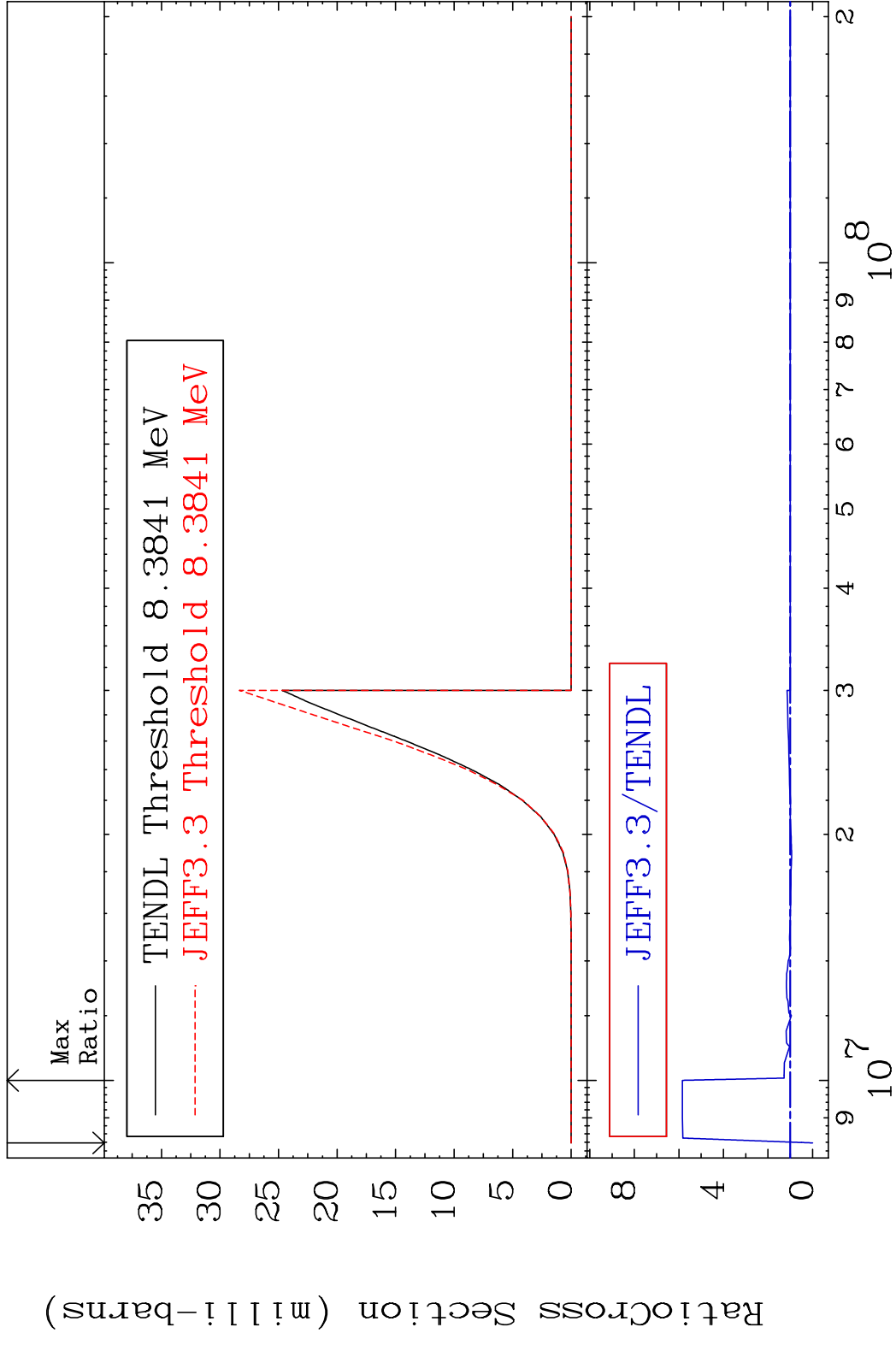


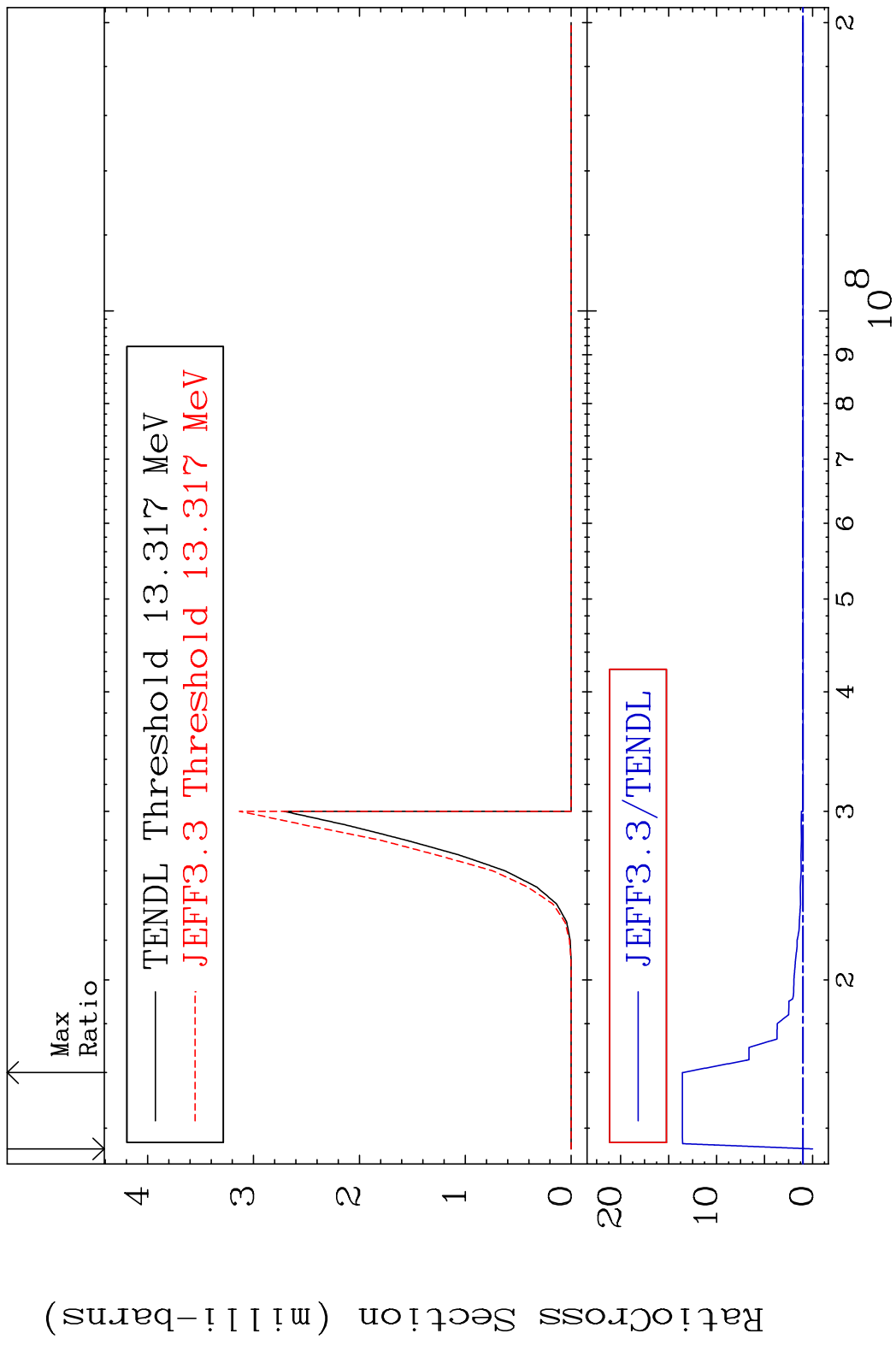




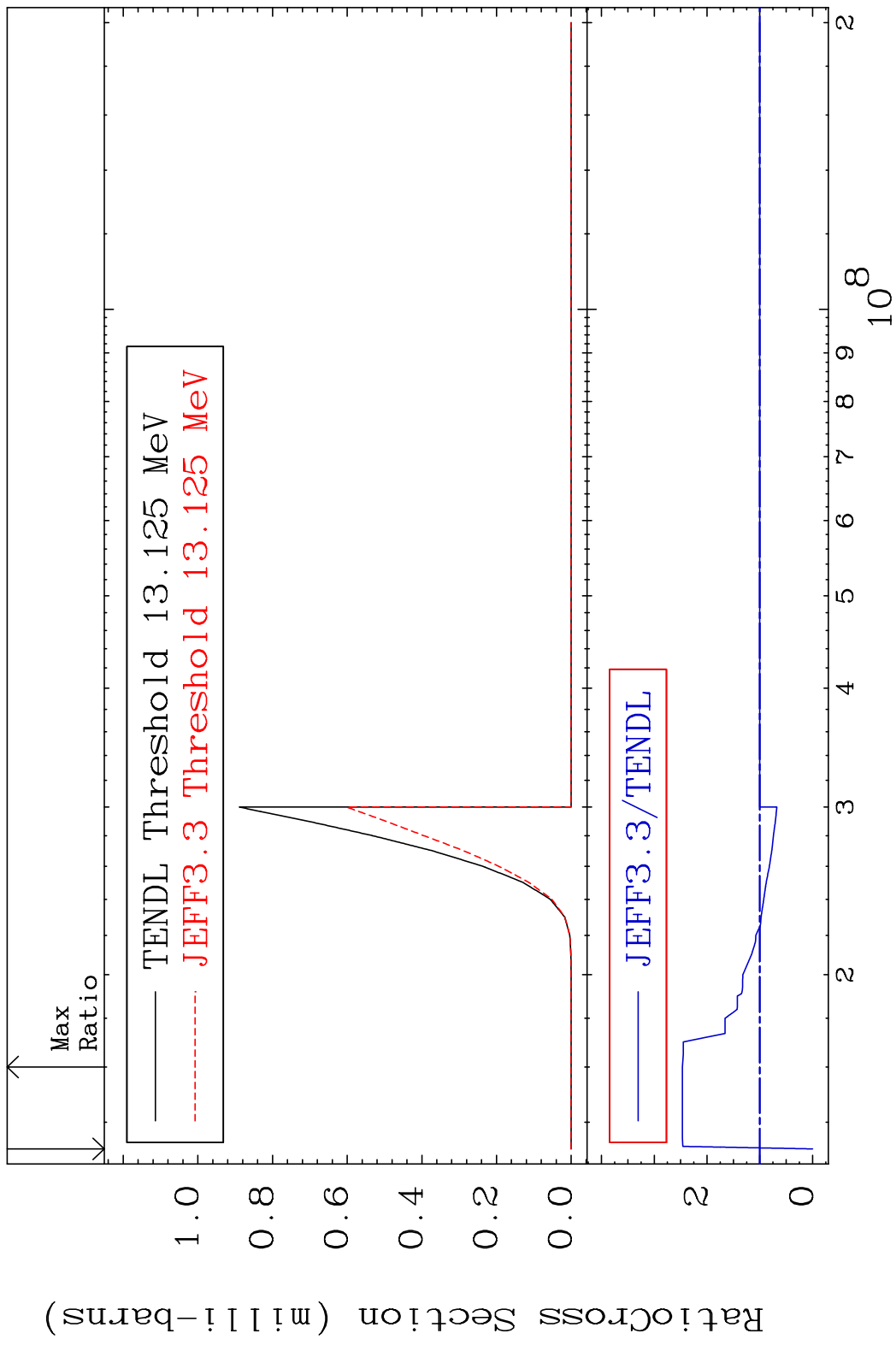


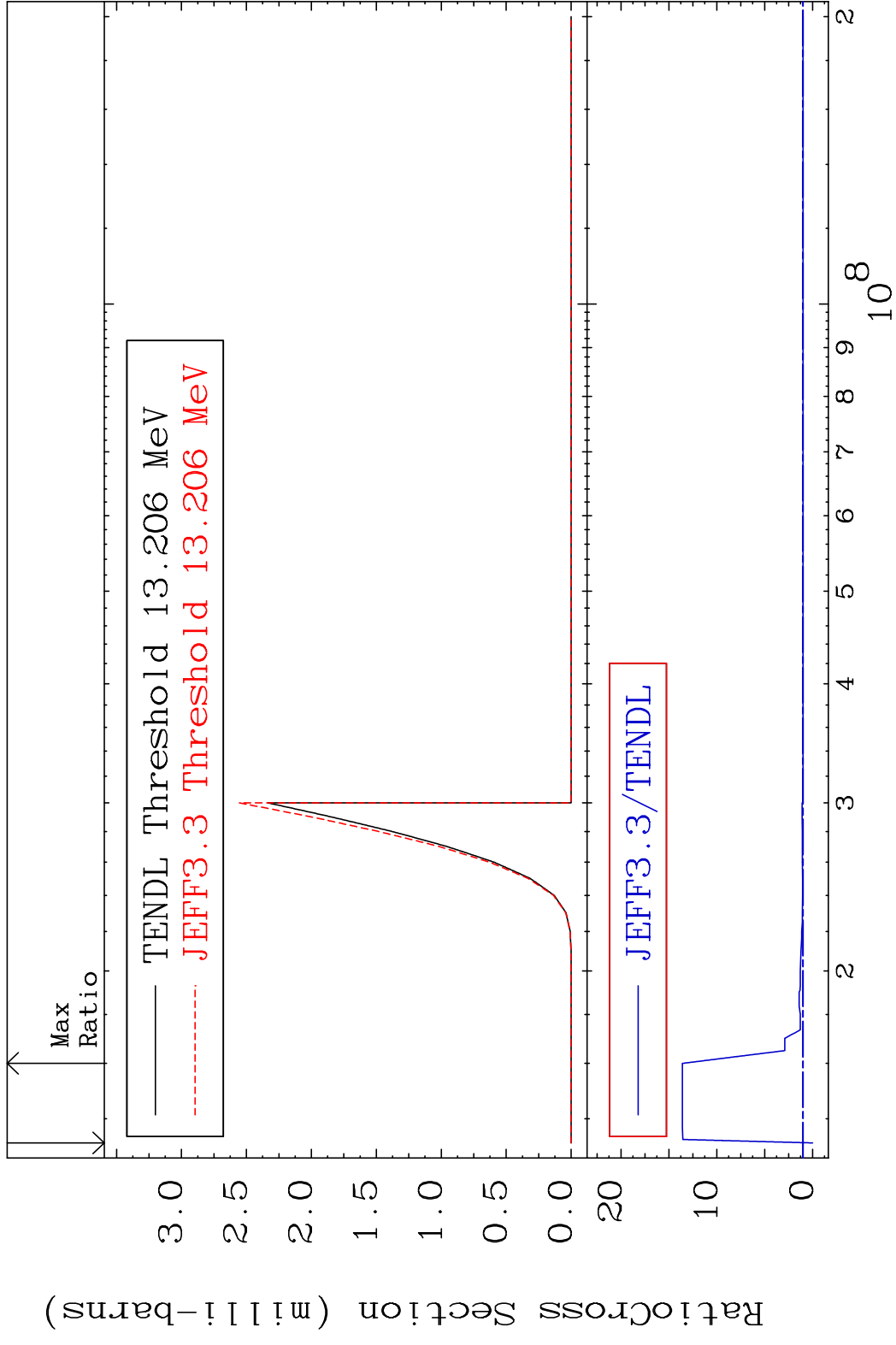




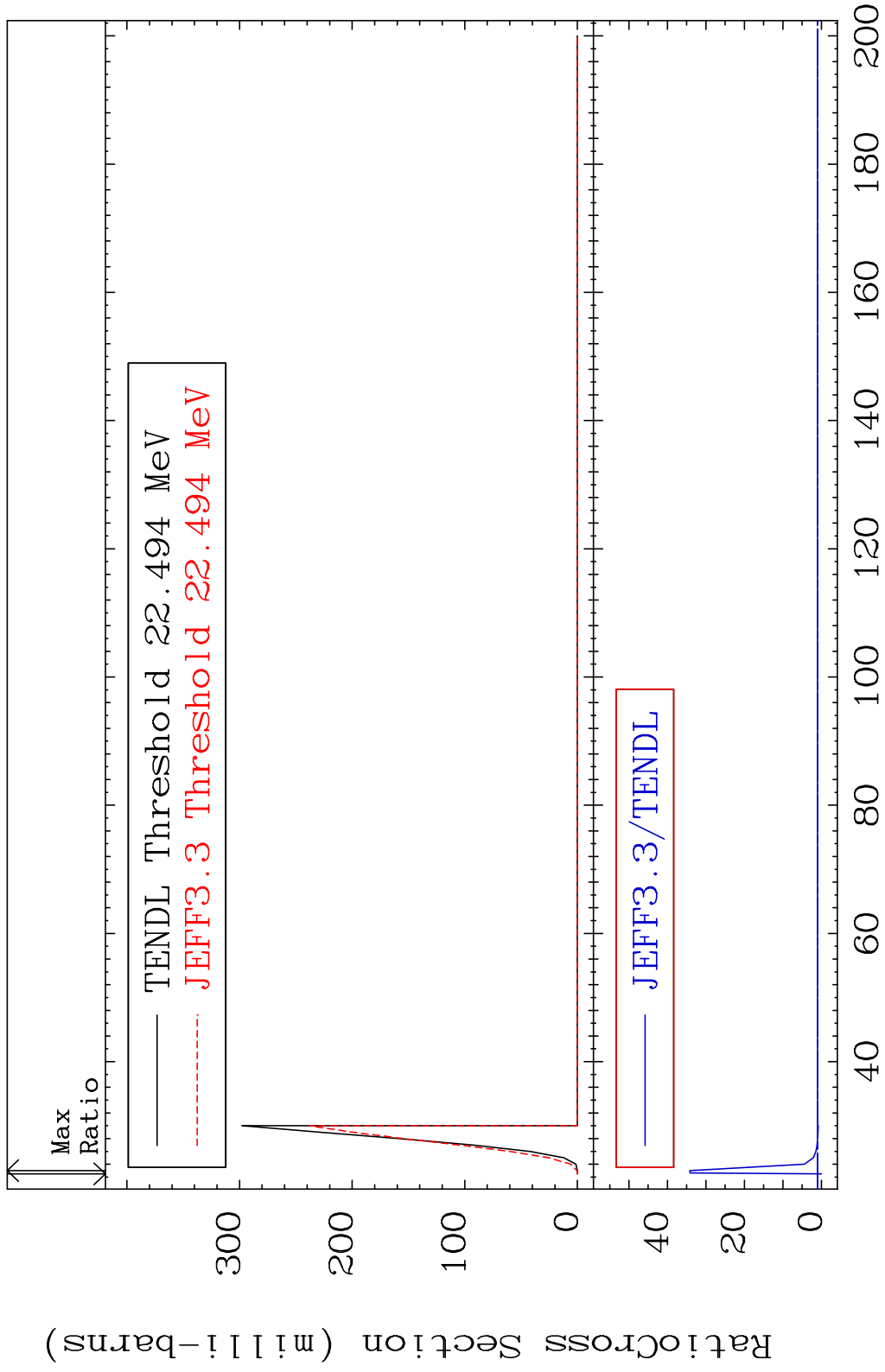


MAT 7843 (n, n') t:77-Ir-193g 78-Pt-196
 Radionuclide Production Cross Section Ratio 146.8 %

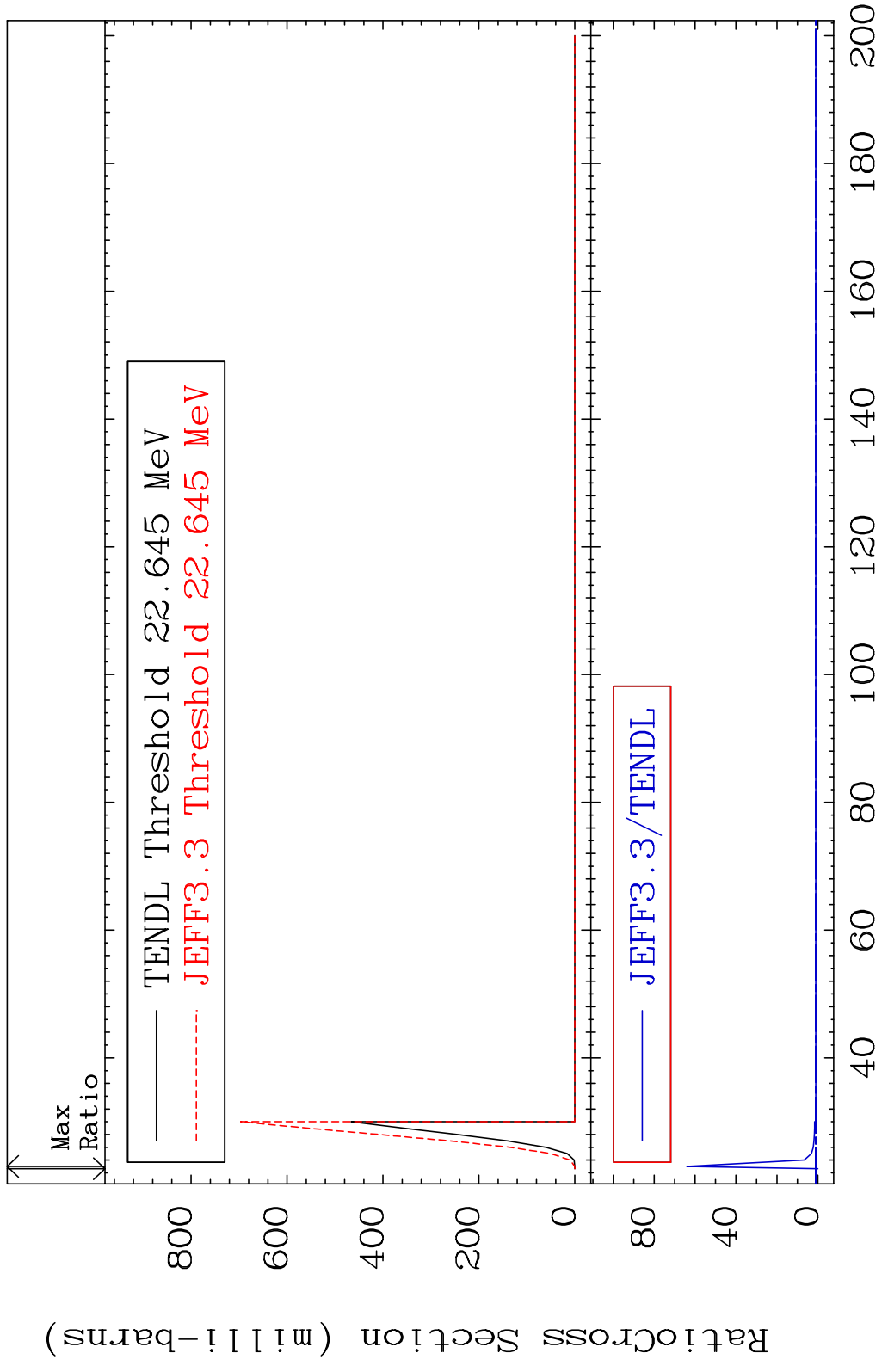


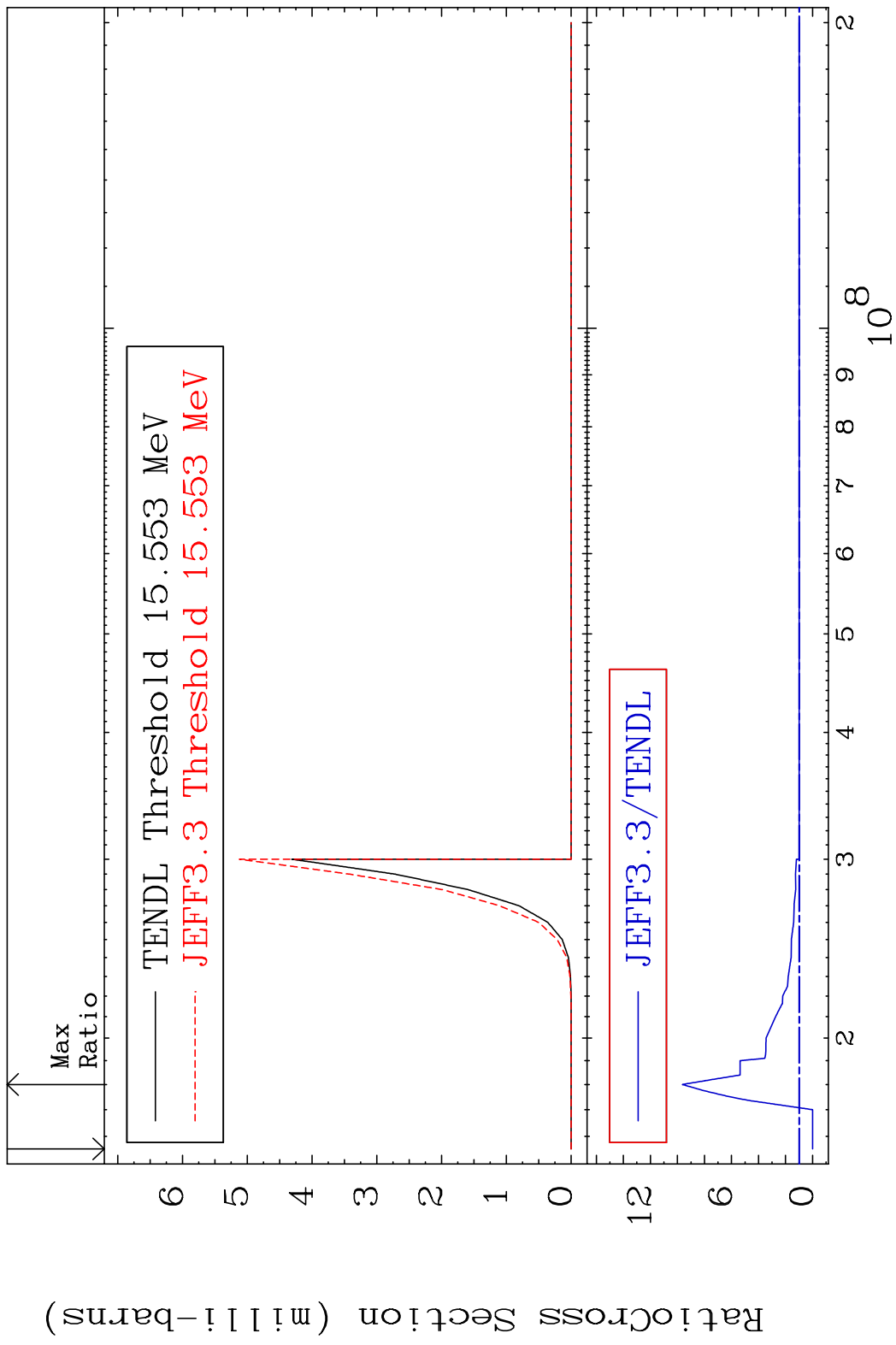


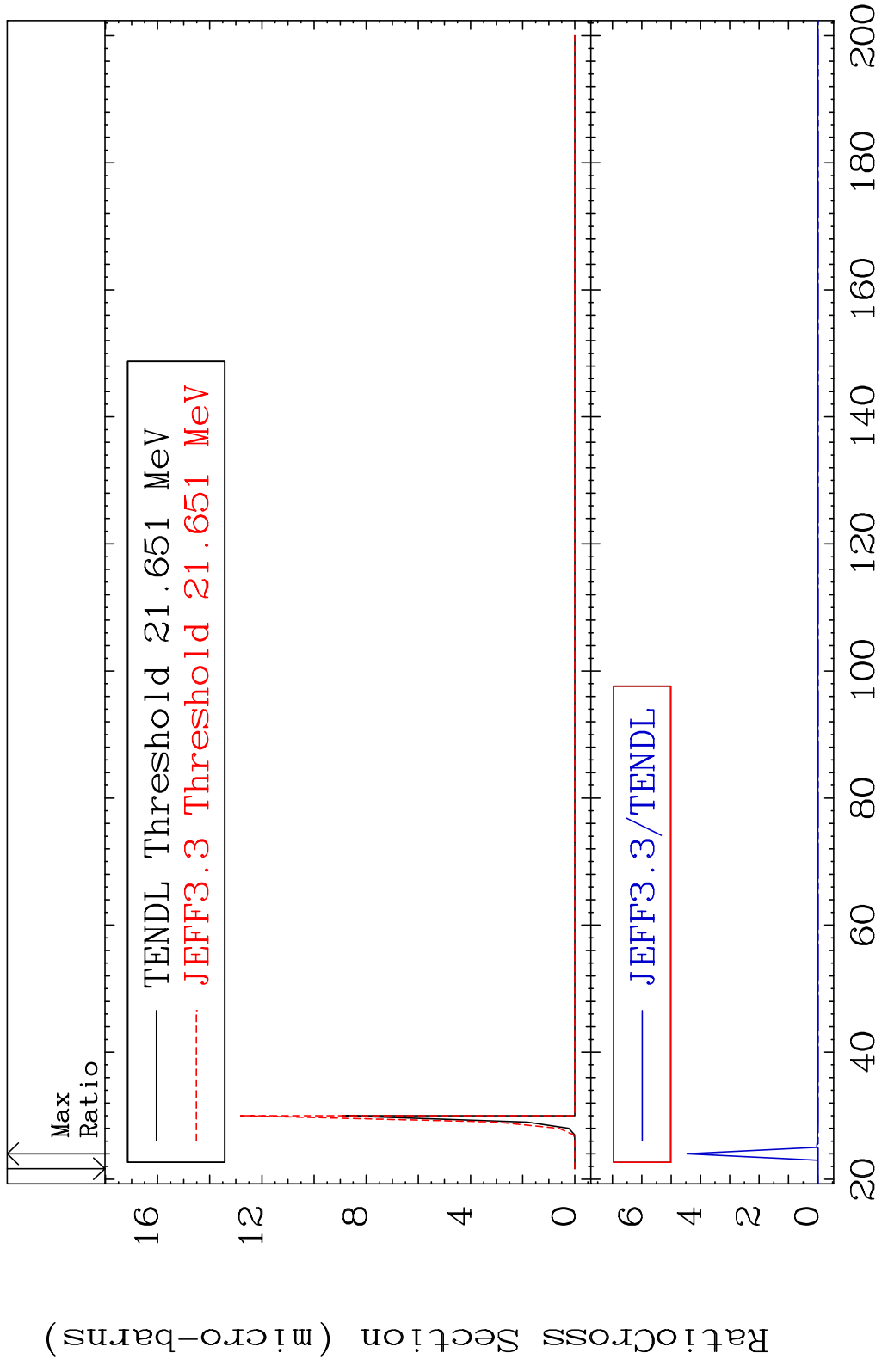
MAT 7843 (n,4n):78-Pt-193g 78-Pt-196
 Radionuclide Production Cross Section Ratio 3320. %

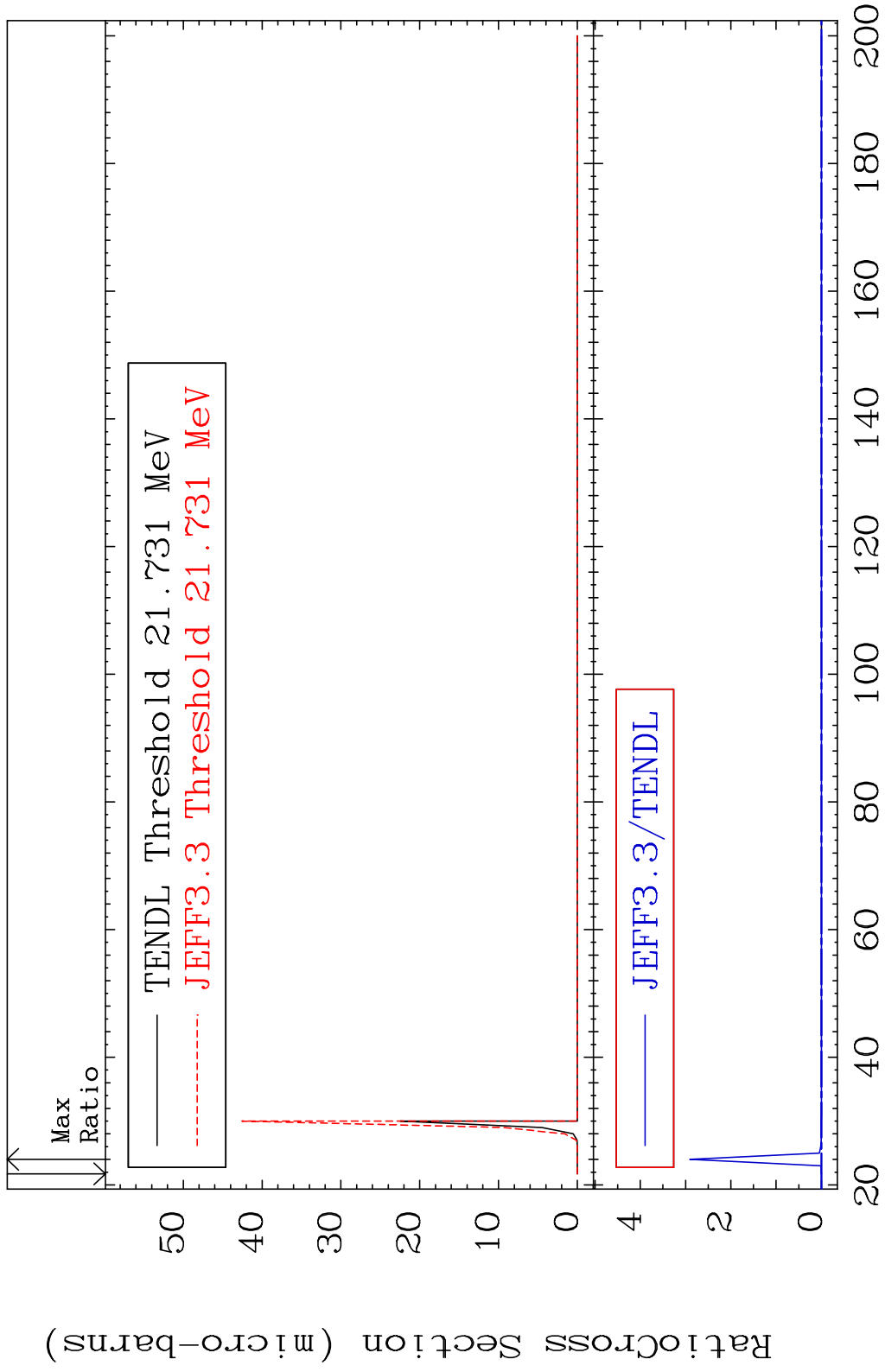


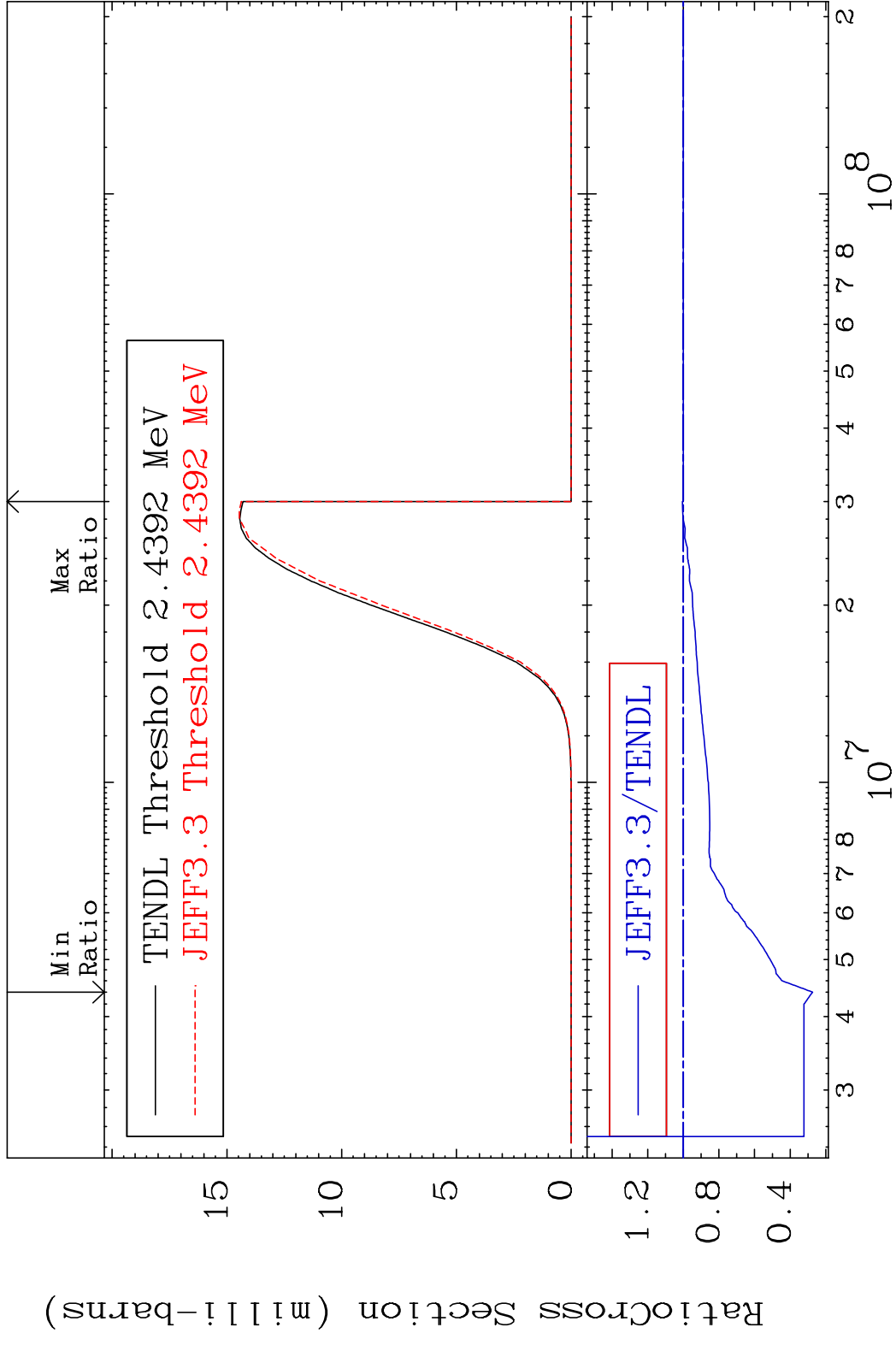
MAT 7843 (n, 4n):78-Pt-193m5 78-Pt-196
 Radionuclide Production Cross Section Ratio 6309. %

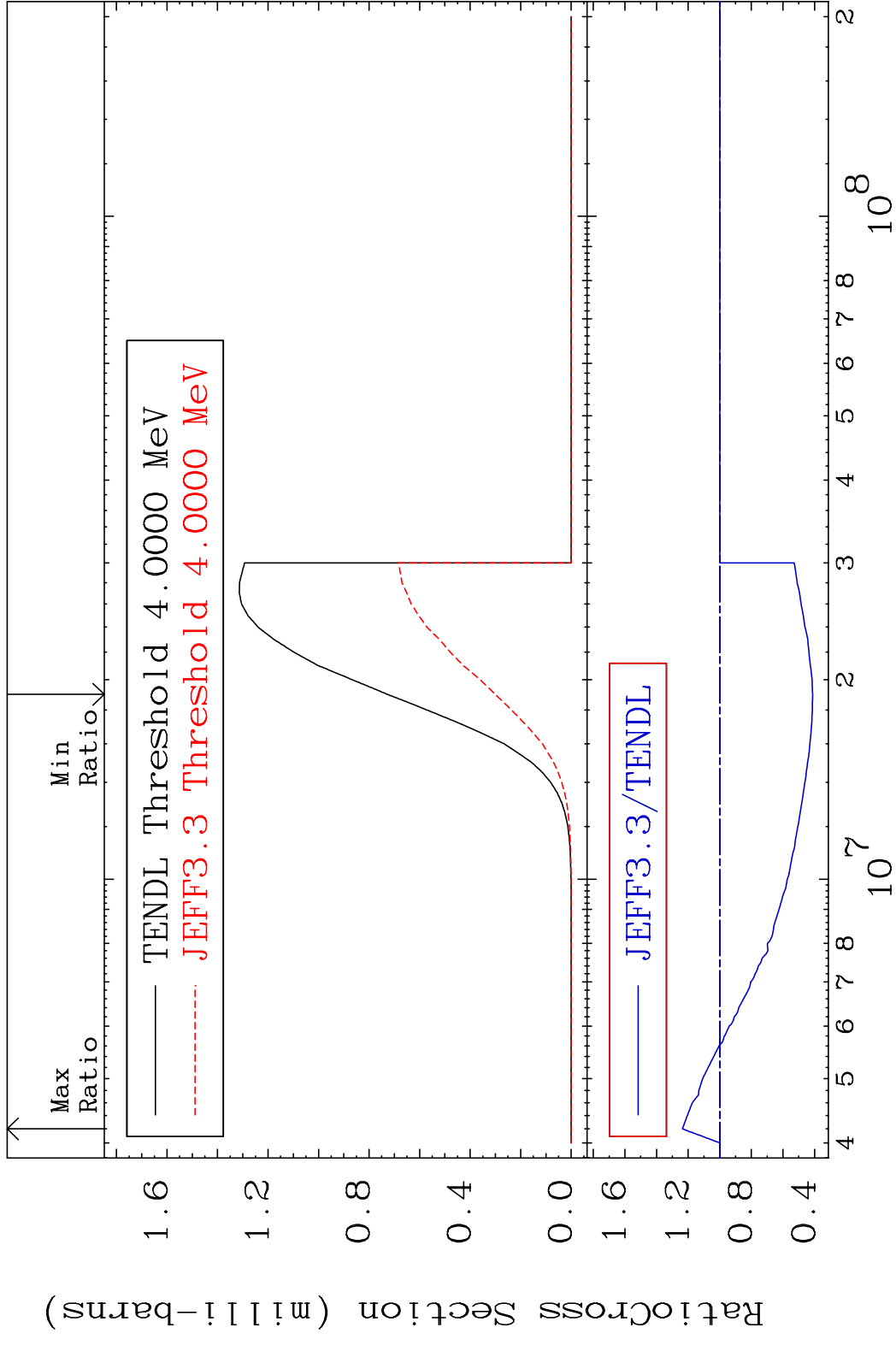


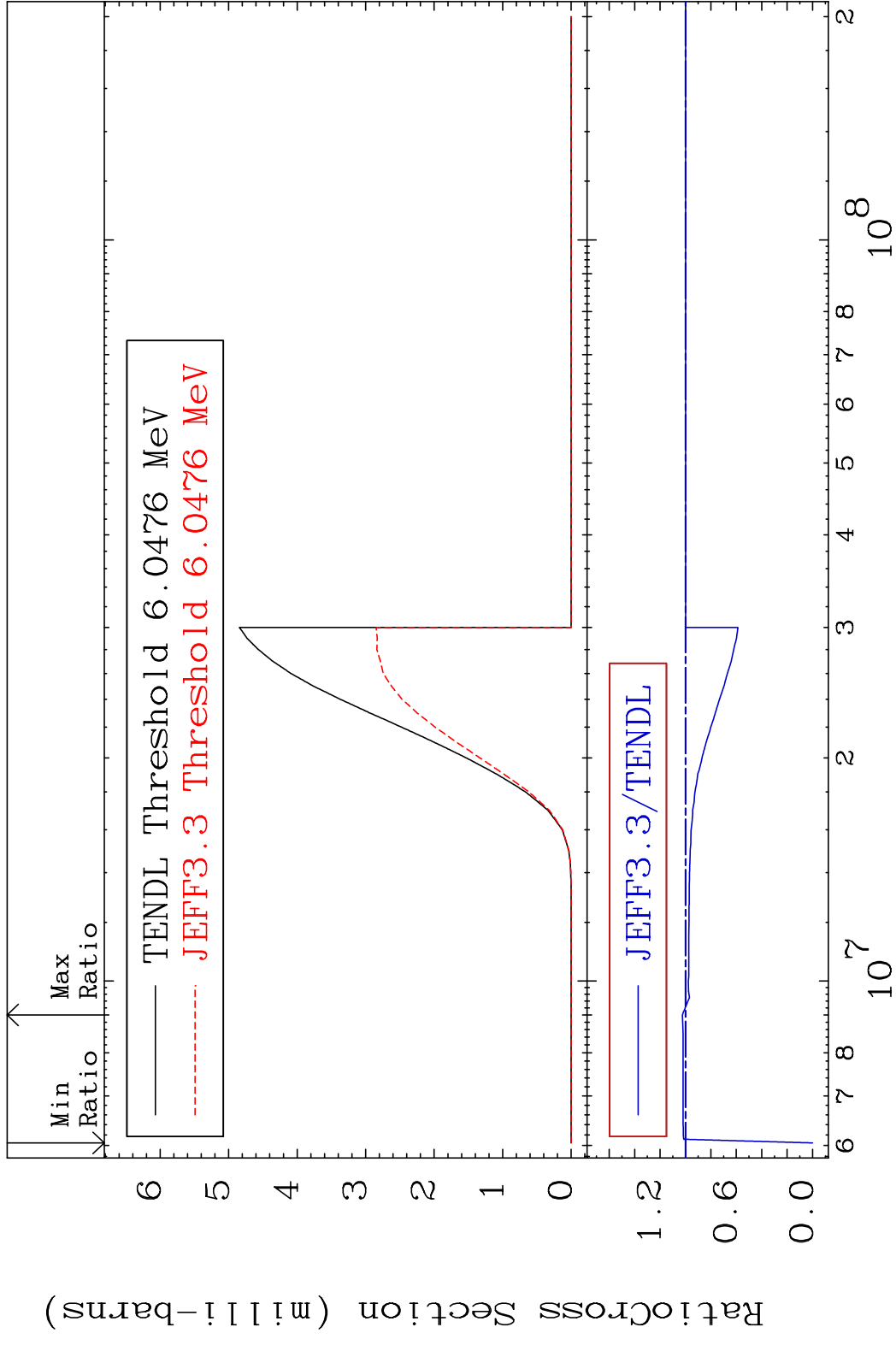




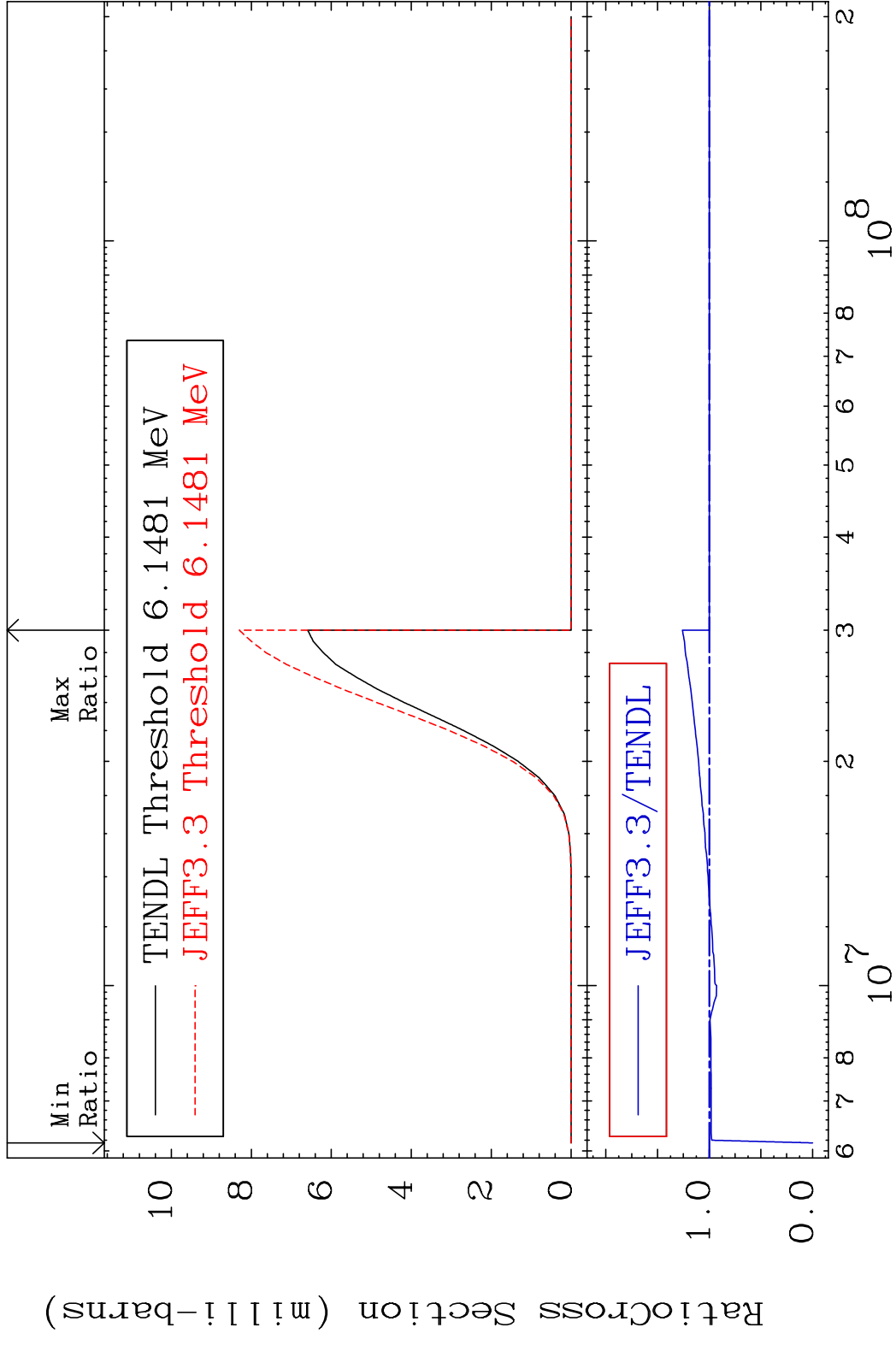








MAT 7843 (n, d): 77-Ir-195m2 78-Pt-196
 Radionuclide Production Cross Section Ratio 25.98 %



Radionuclide Production Cross Section to 56.64 %

