

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

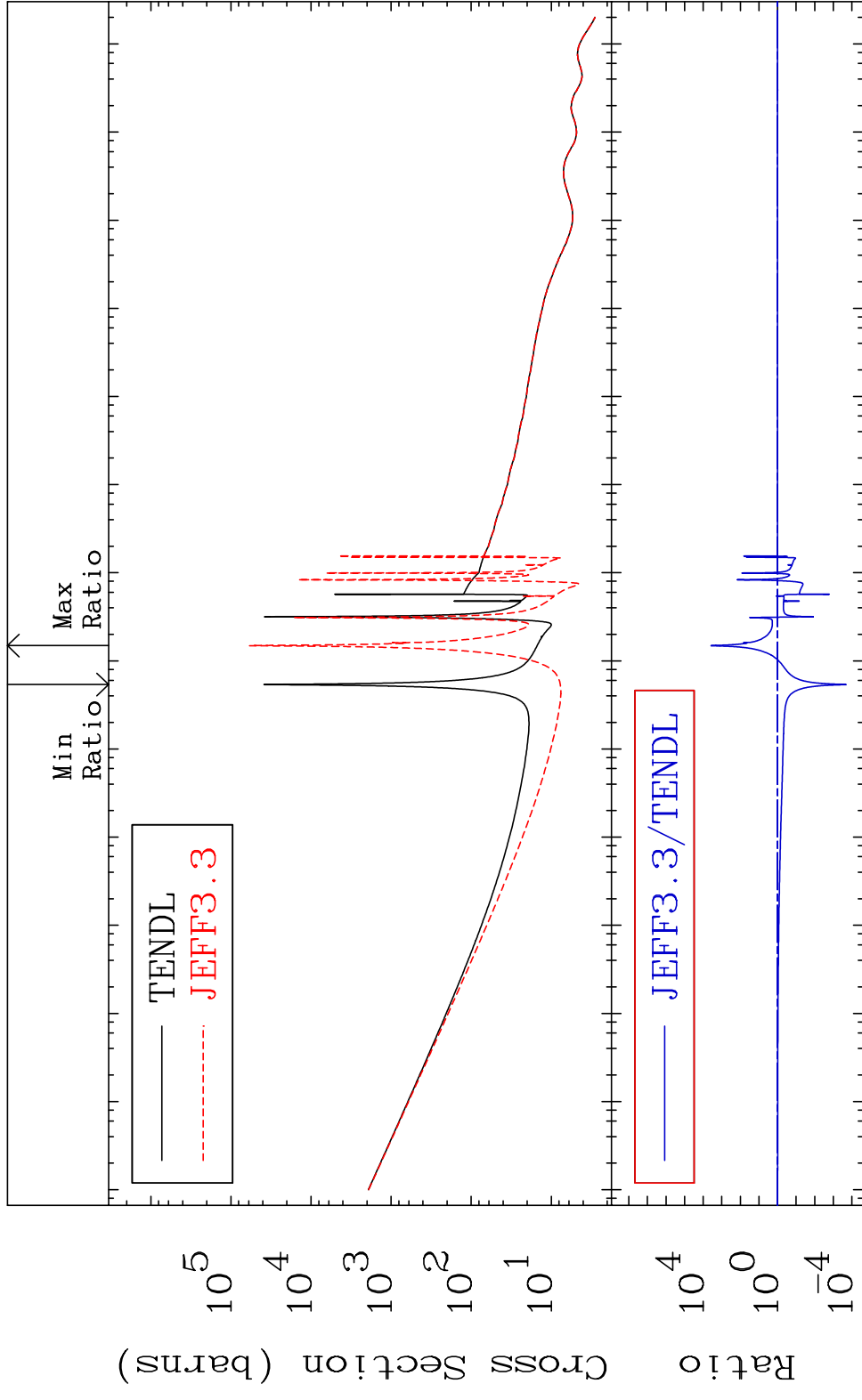
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7652

Total

Cross Section -99.98 To 9999. %



1

Incident Energy (eV)

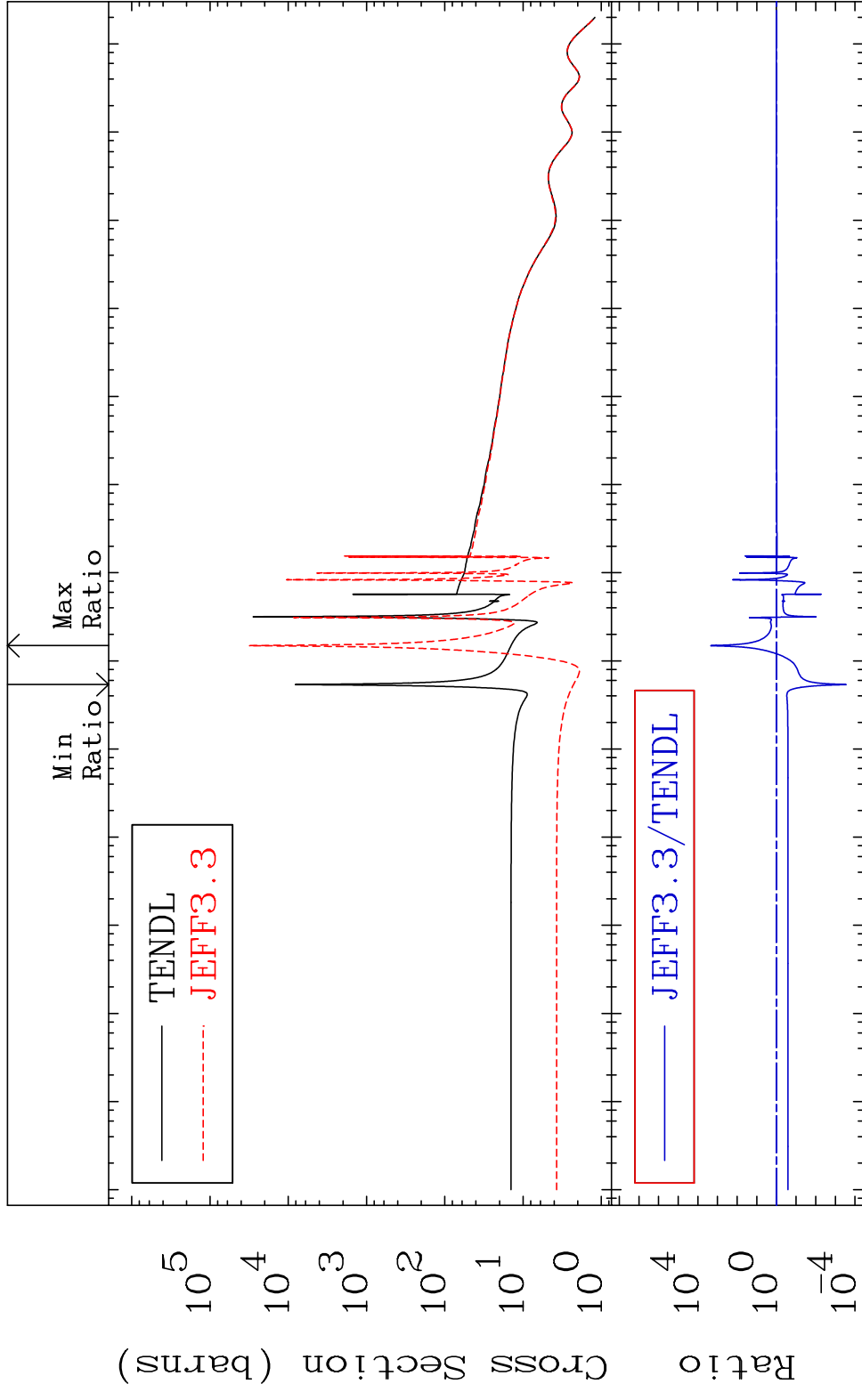
76-0s-193

MAT 7652

Elastic

76-0s-193

Cross Section -99.97 To 9999. %

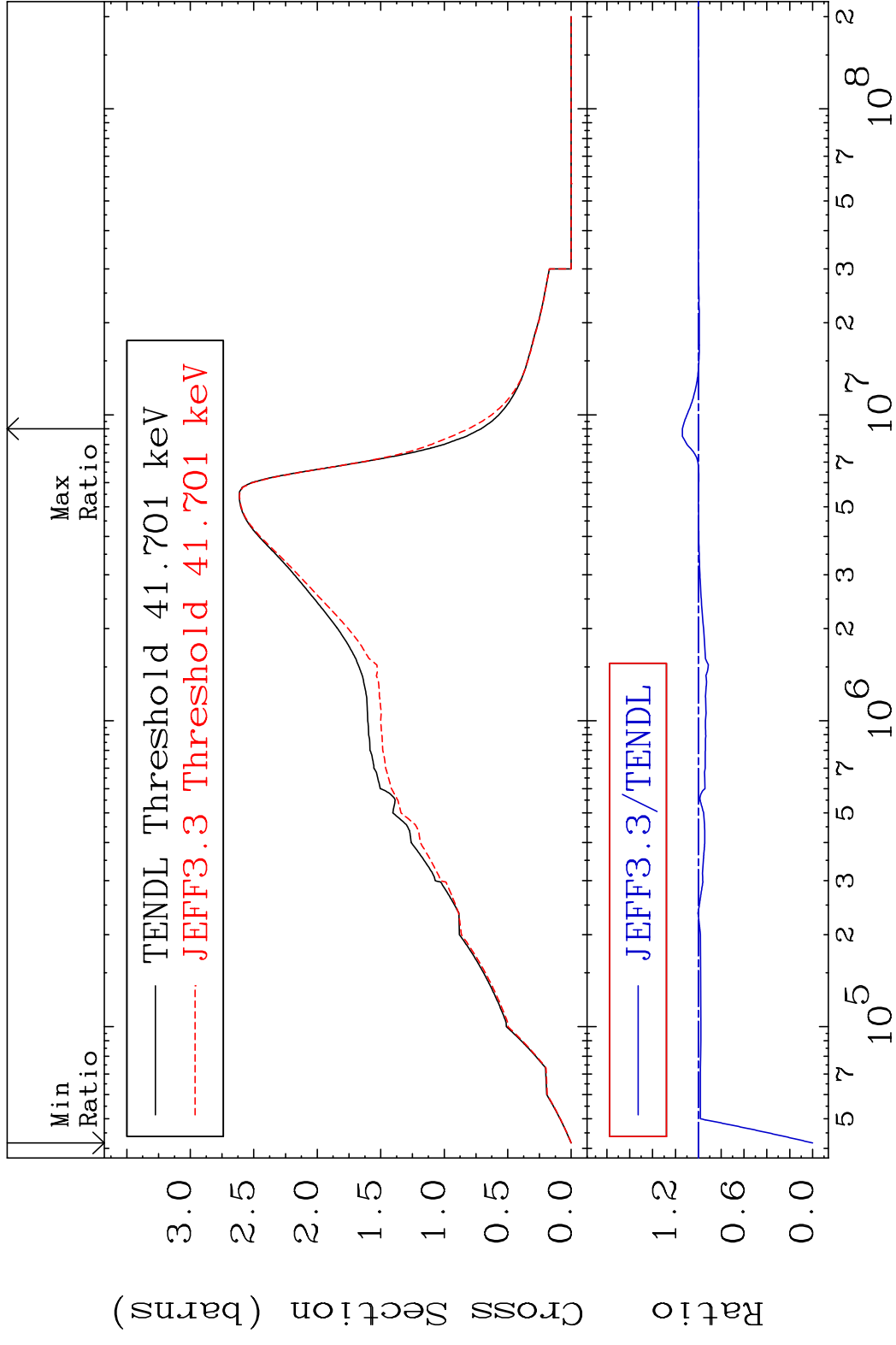


2

Incident Energy (eV)

76-0s-193

MAT 7652 Inelastic 76-0s-193
 Cross Section -100.0 To 13.96 %

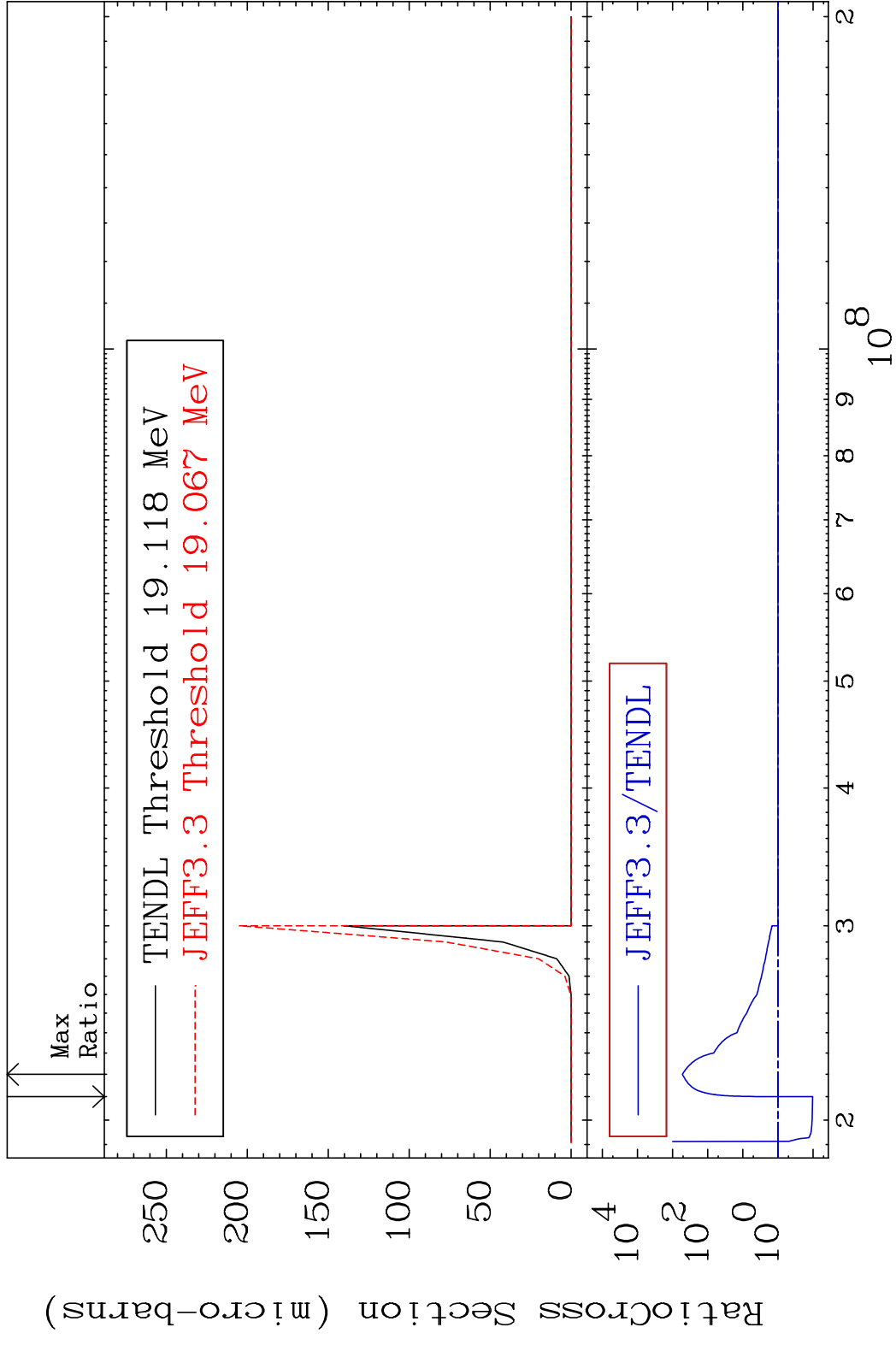


MAT 7652

(n,2n) d

76-0s-193

Cross Section -89.72 To 9999. %

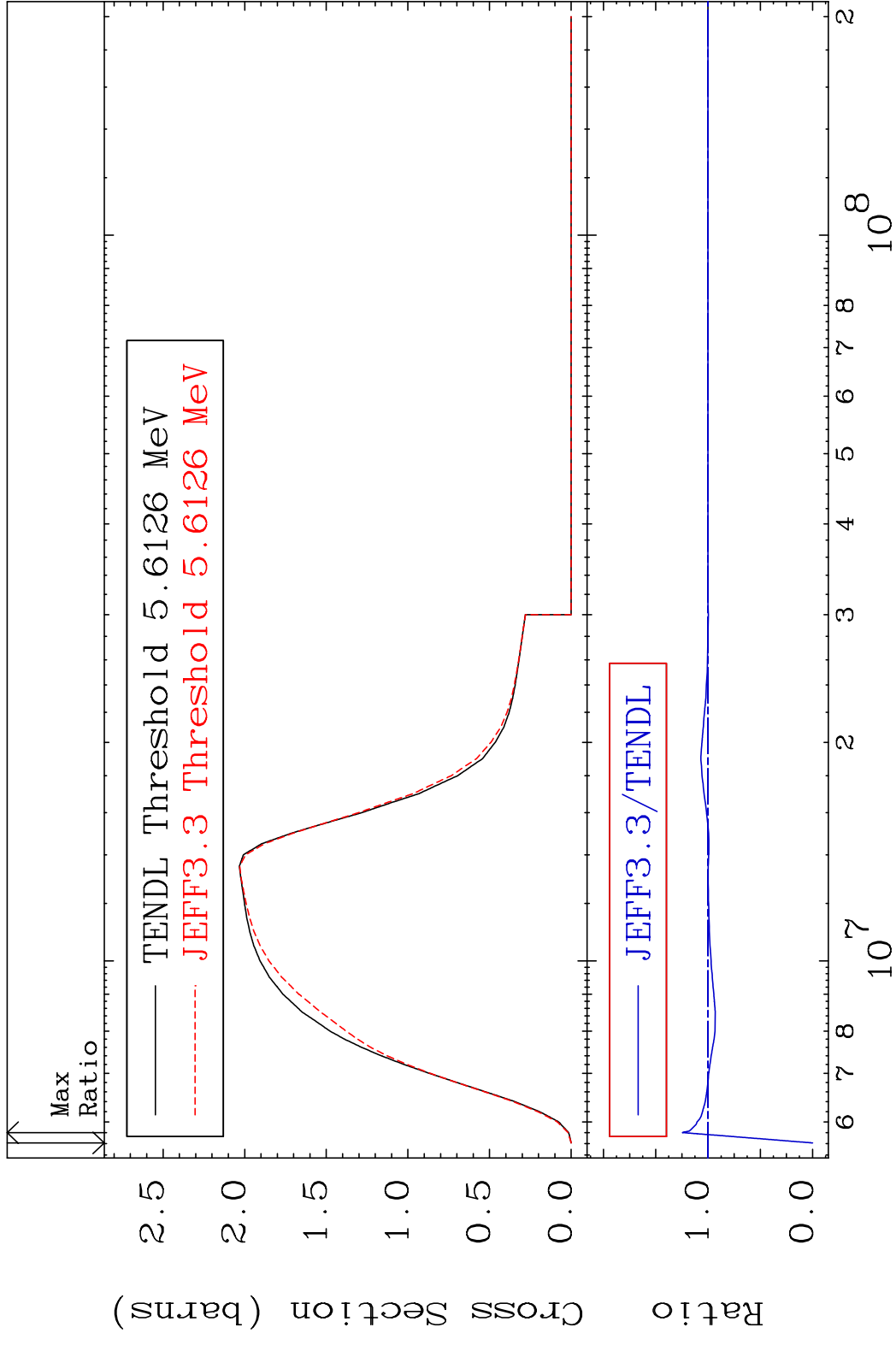


MAT 7652

(n,2n)

76-0s-193

Cross Section -100.0 To 24.55 %



5

Incident Energy (eV)

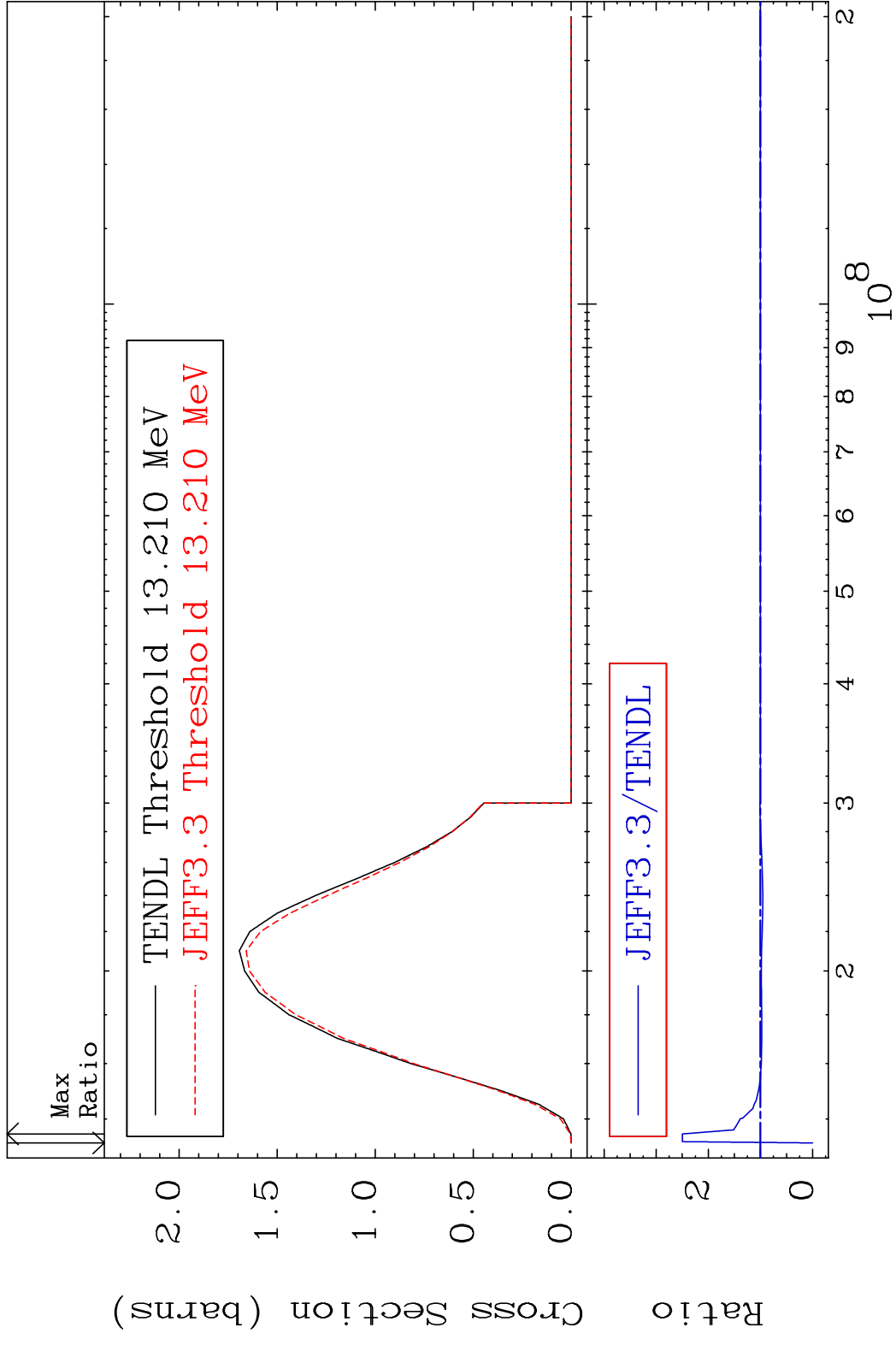
76-0s-193

MAT 7652

(n,3n)

76-0s-193

Cross Section -100.0 To 149.8 %

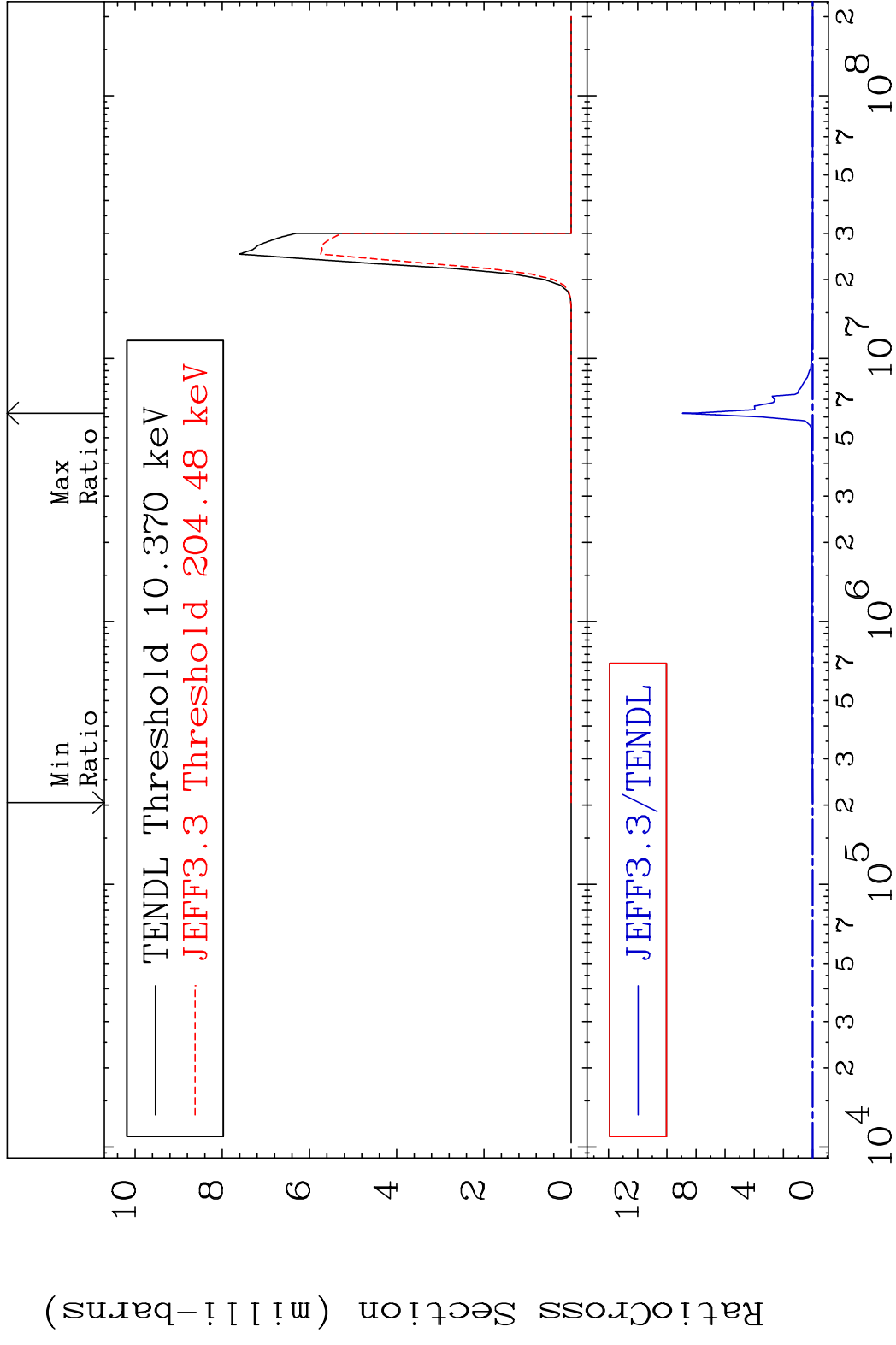


MAT 7652

76-0s-193

(n, n') α

Cross Section -100.0 To 9999. %



76-0s-193

Incident Energy (eV)

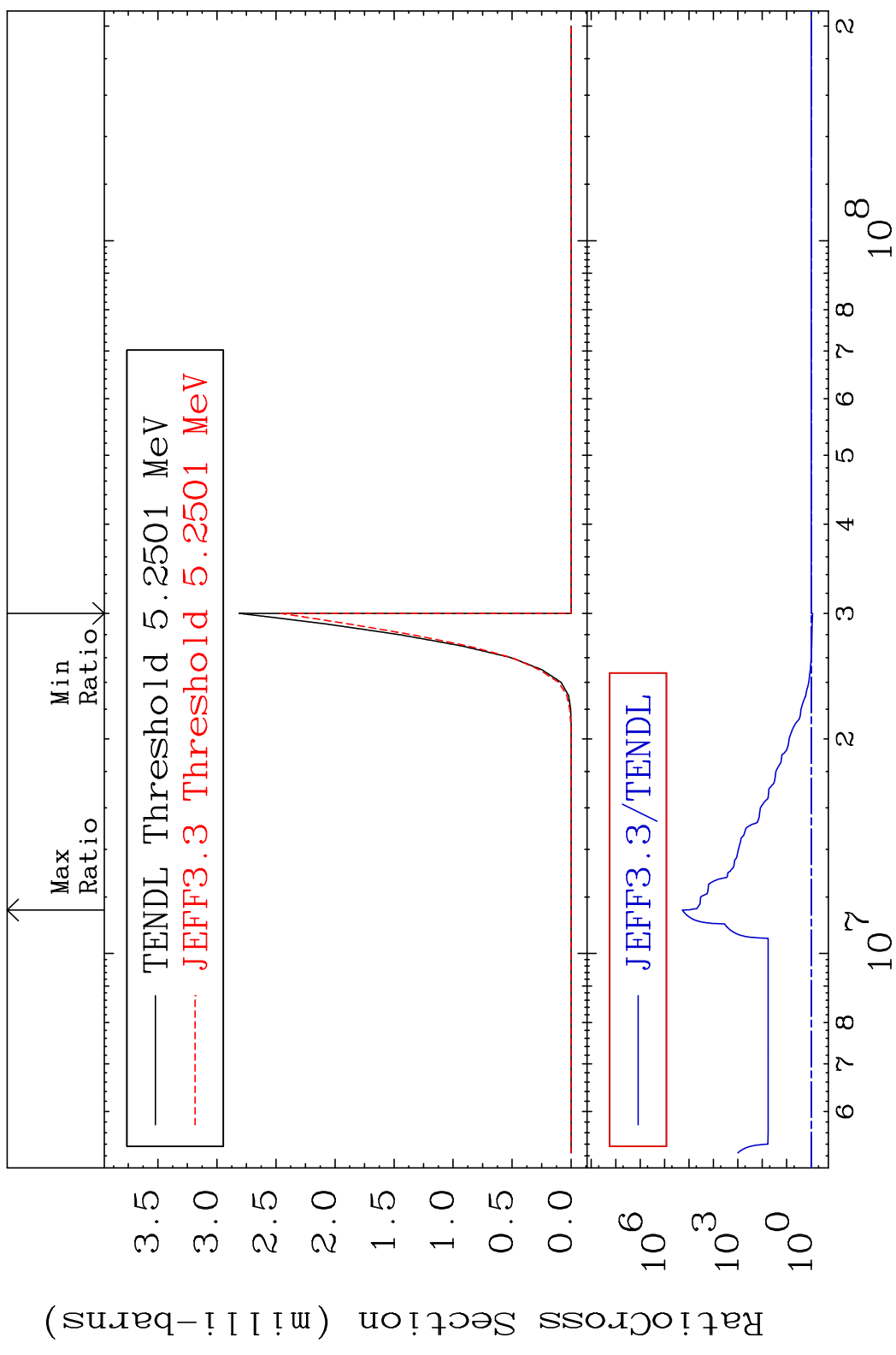
7

MAT 7652

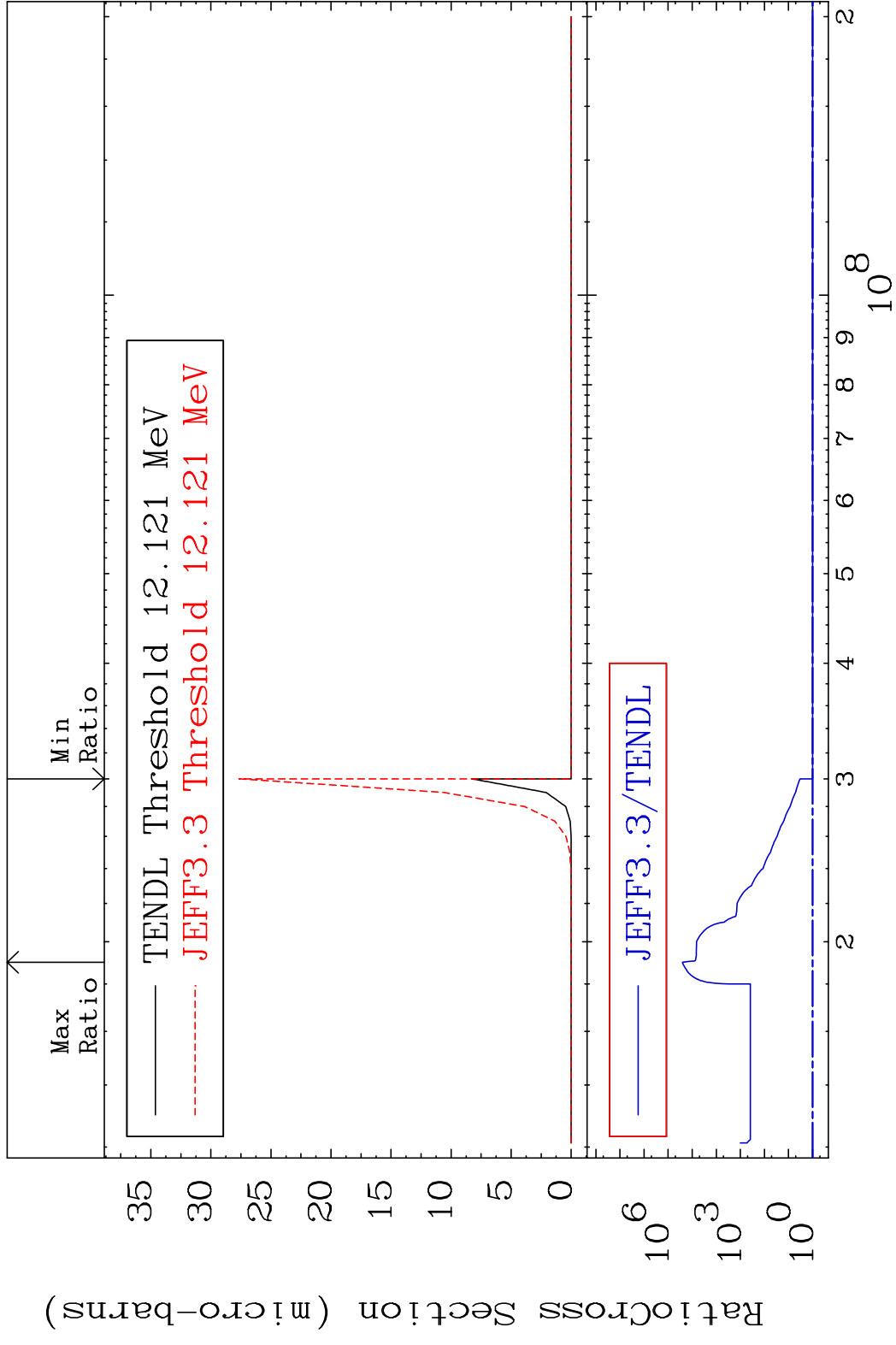
(n,2n) α

76-0s-193

Cross Section -12.39 To 9999. %



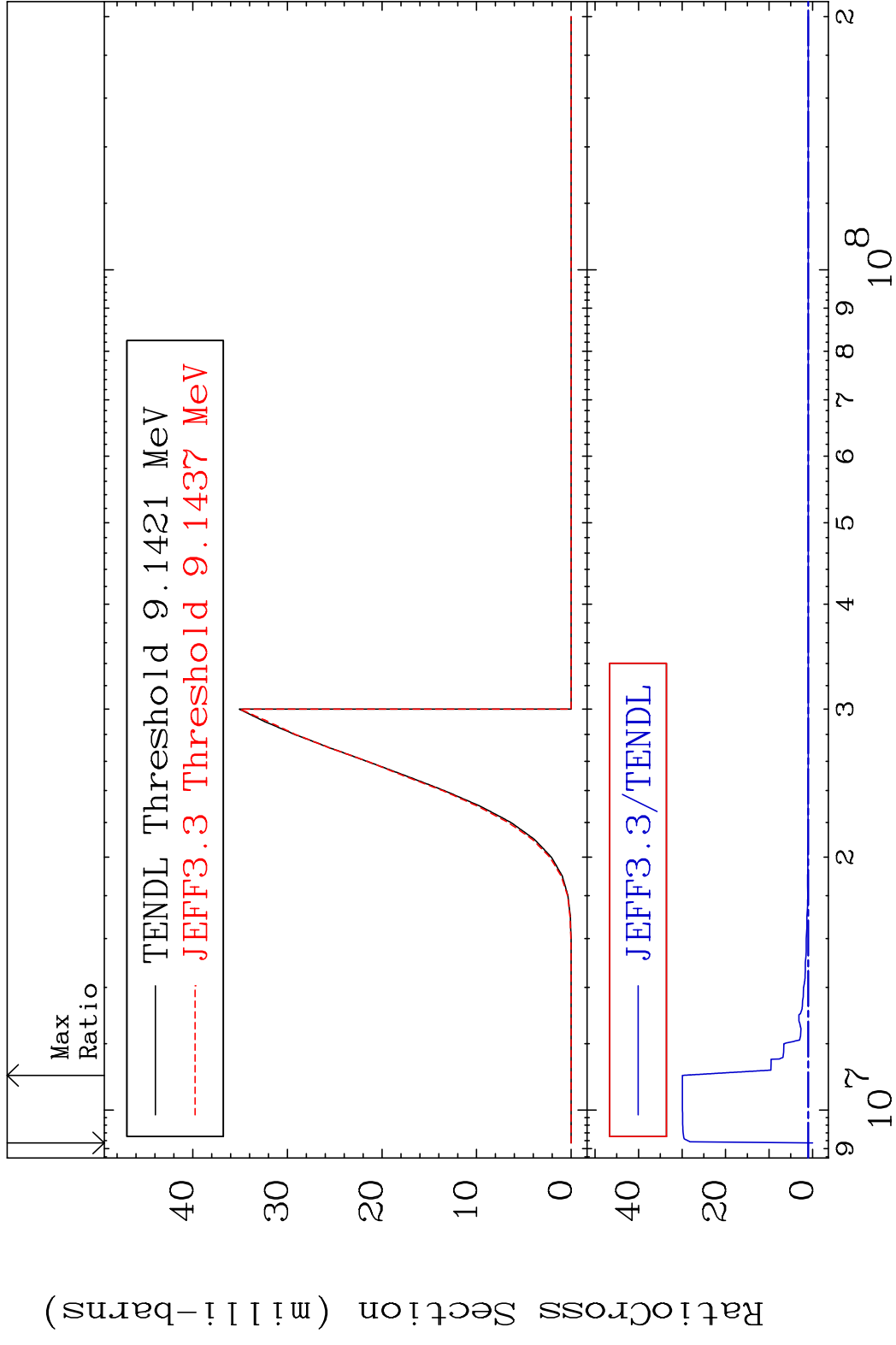
MAT 7652 (n,3n) α 76-0s-193
 Cross Section 0.000 To 9999. %



MAT 7652

(n, n') p 76-0s-193

Cross Section -100.0 To 2893. %



10

Incident Energy (eV)

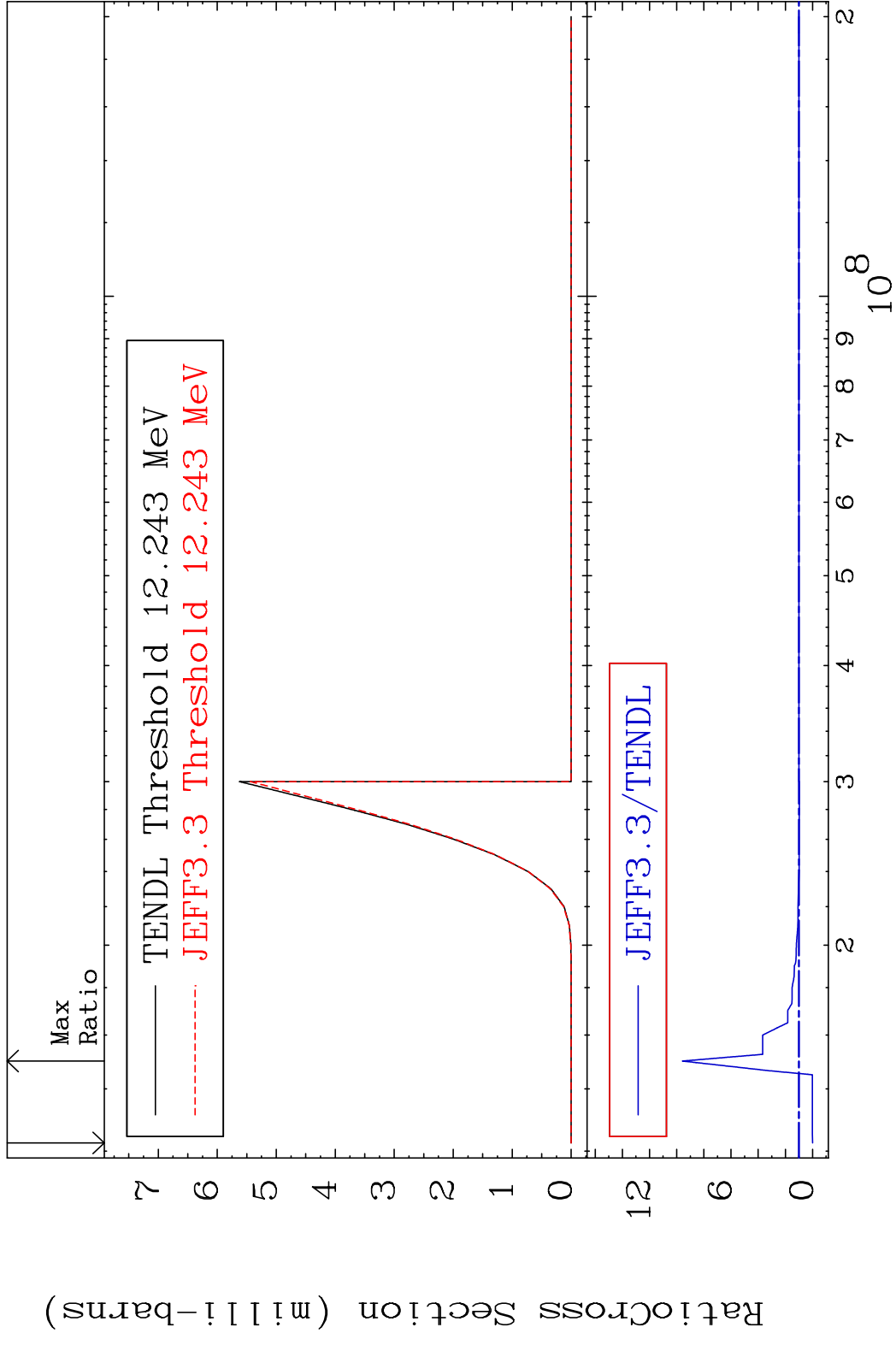
76-0s-193

MAT 7652

(n, n') d

76-0s-193

Cross Section -100.0 To 858.4 %

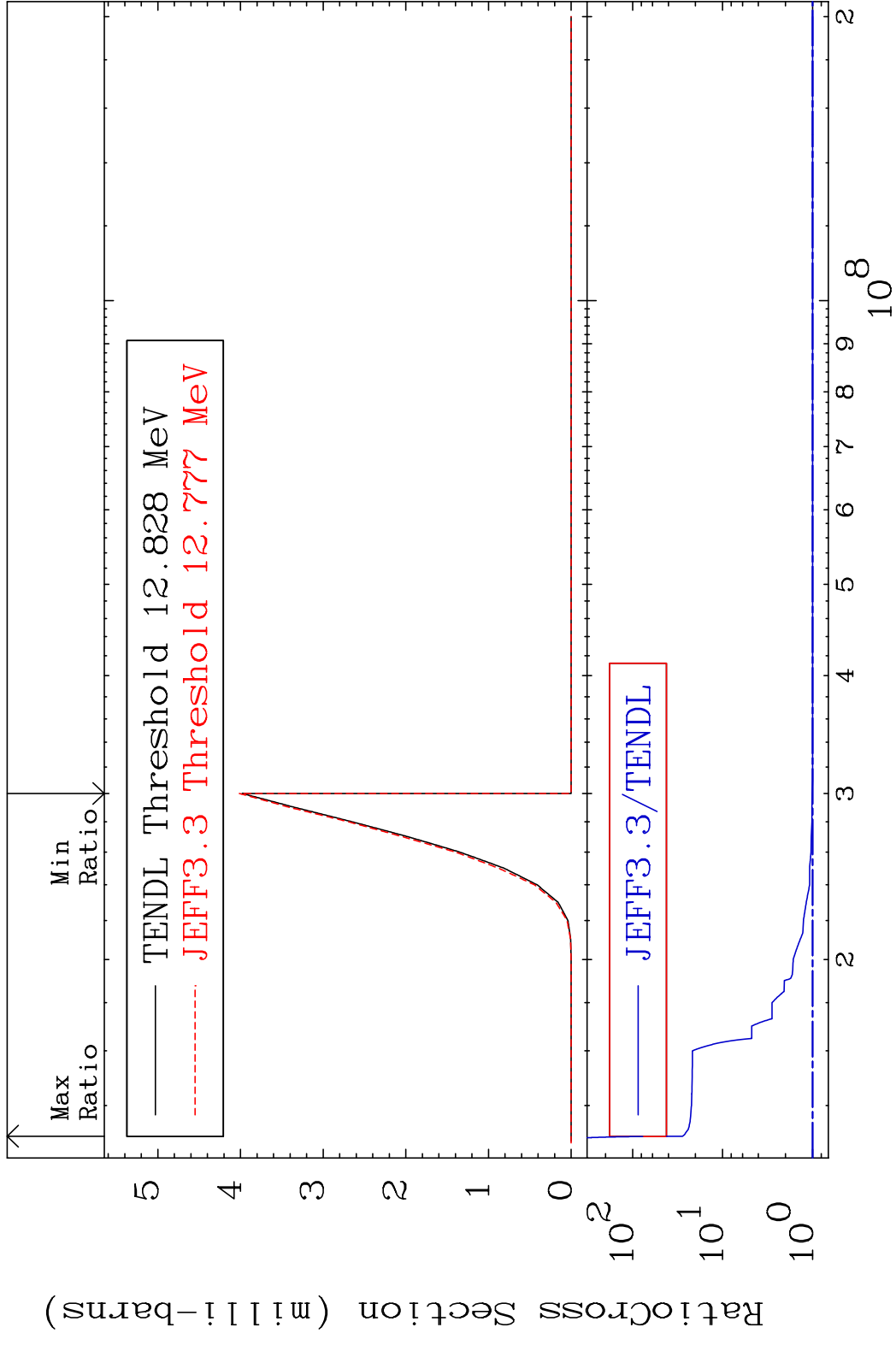


MAT 7652

(n, n') t

76-0s-193

Cross Section 0.000 To 2700. %



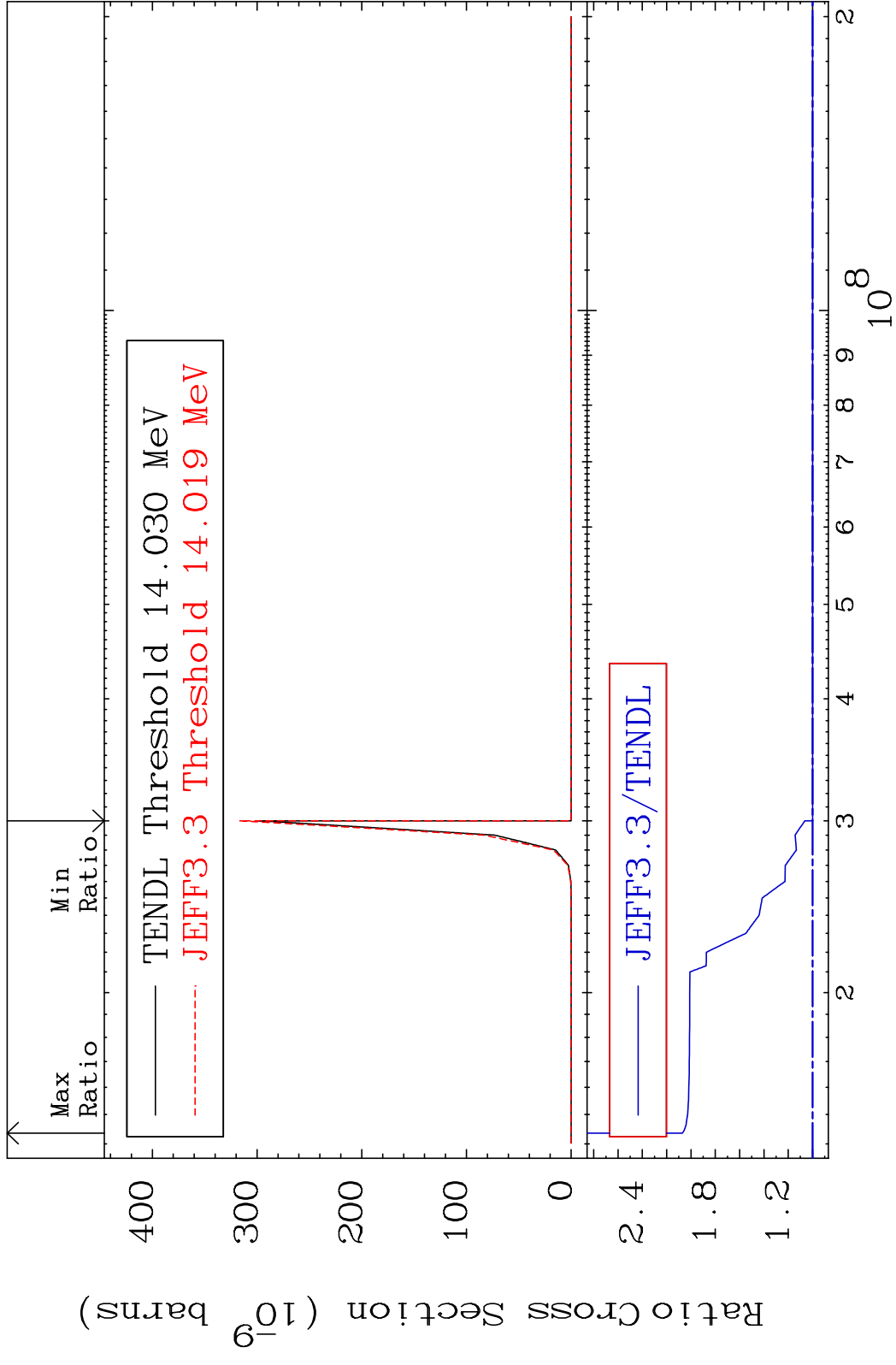
MAT 7652

(n,n') He-3

76-0s-193

Cross Section 0.000

To 107.1 %

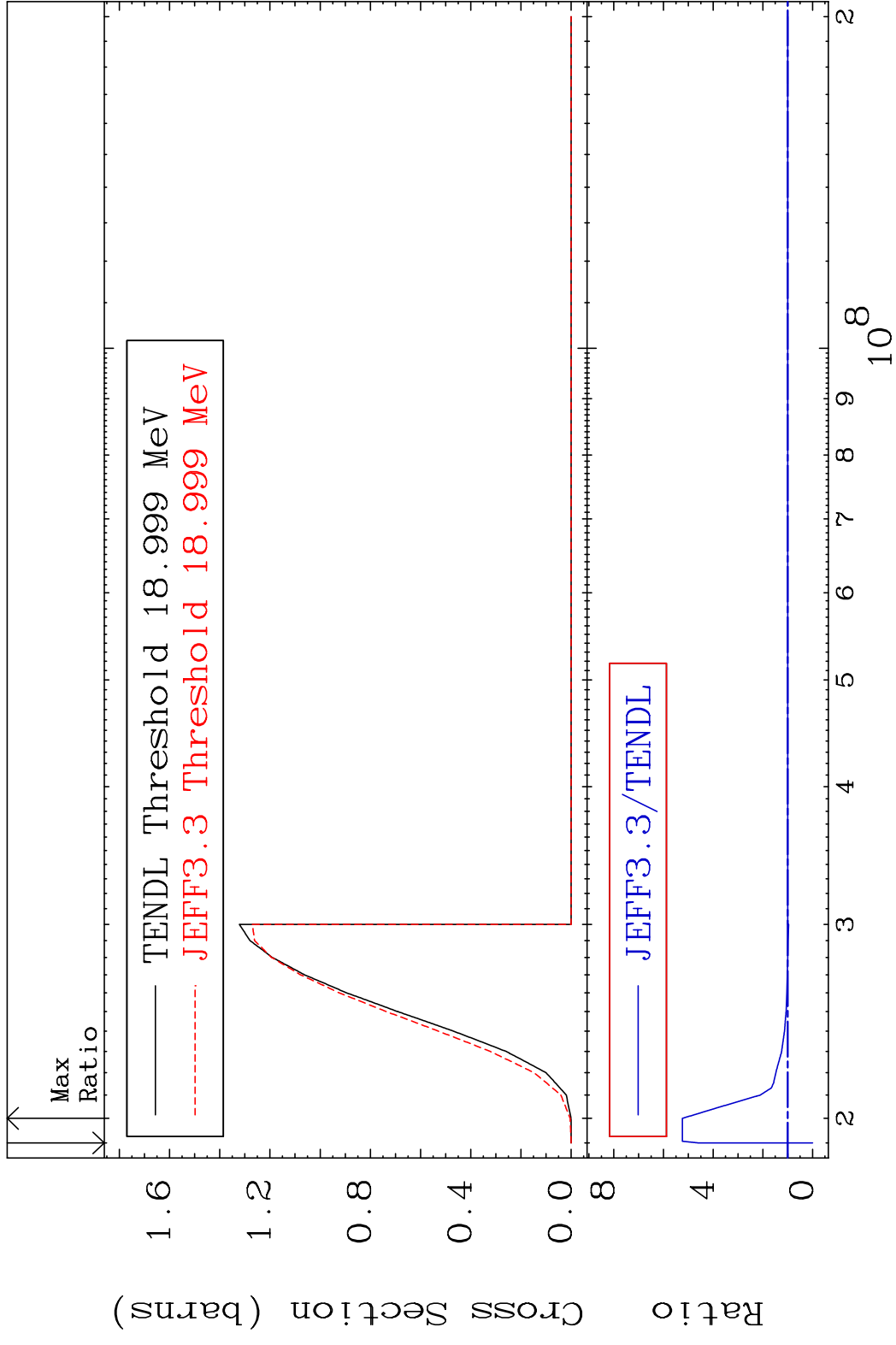


MAT 7652

(n, 4n)

76-0s-193

Cross Section -100.0 To 424.0 %

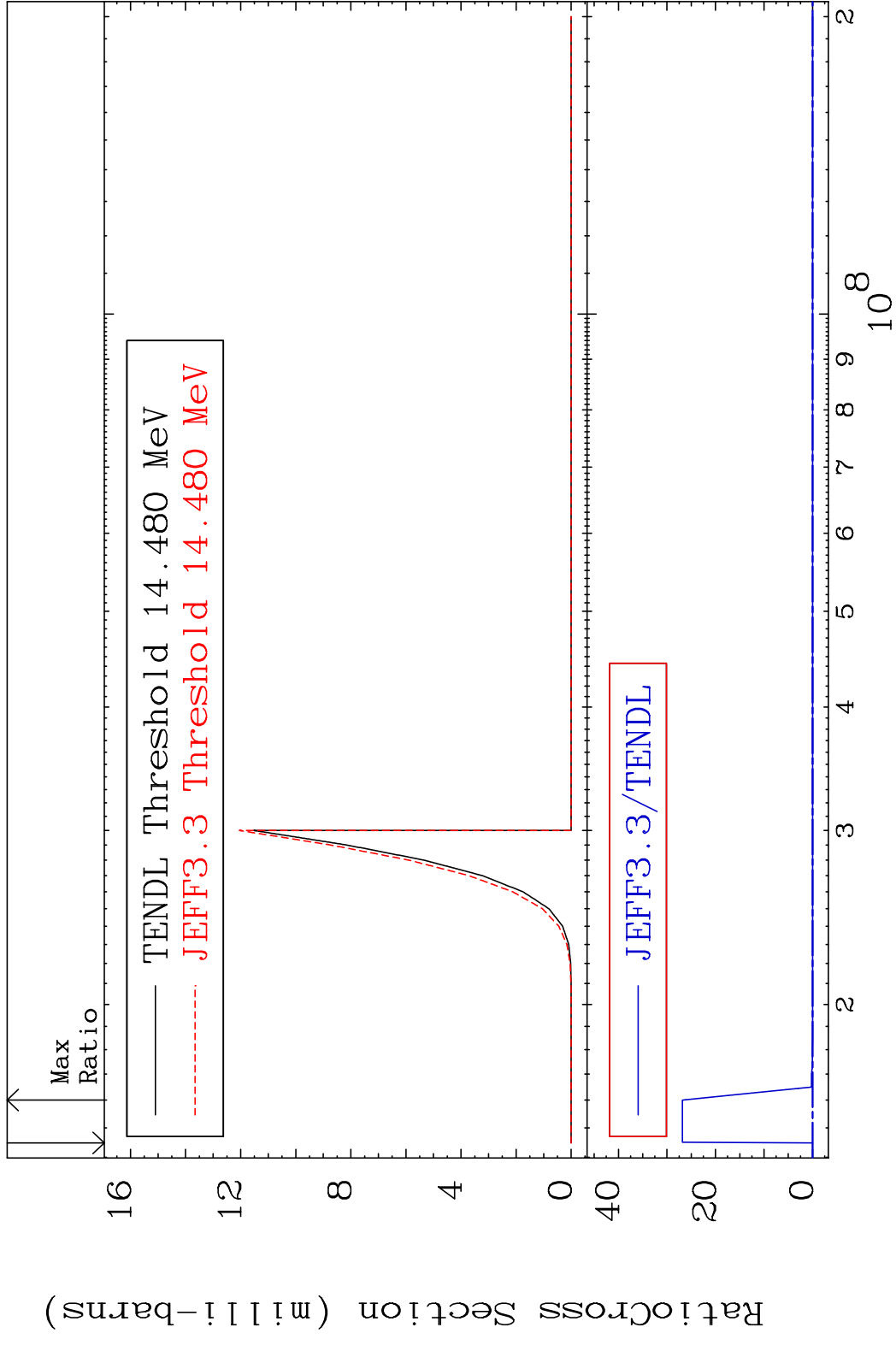


14

Incident Energy (eV)

76-0s-193

MAT 7652 (n,2n) p 76-0s-193
 Cross Section -100.0 To 9999. %

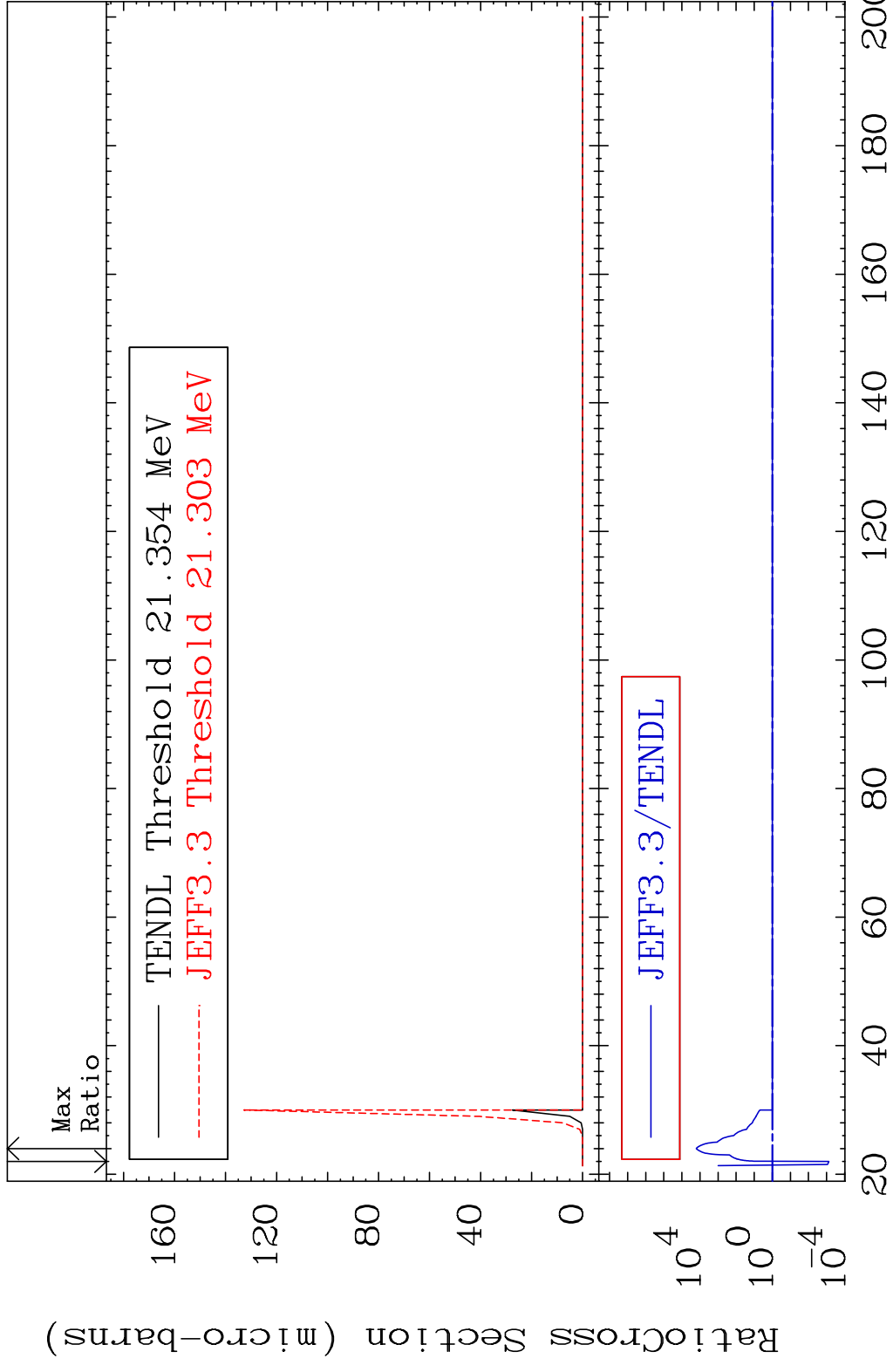


MAT 7652

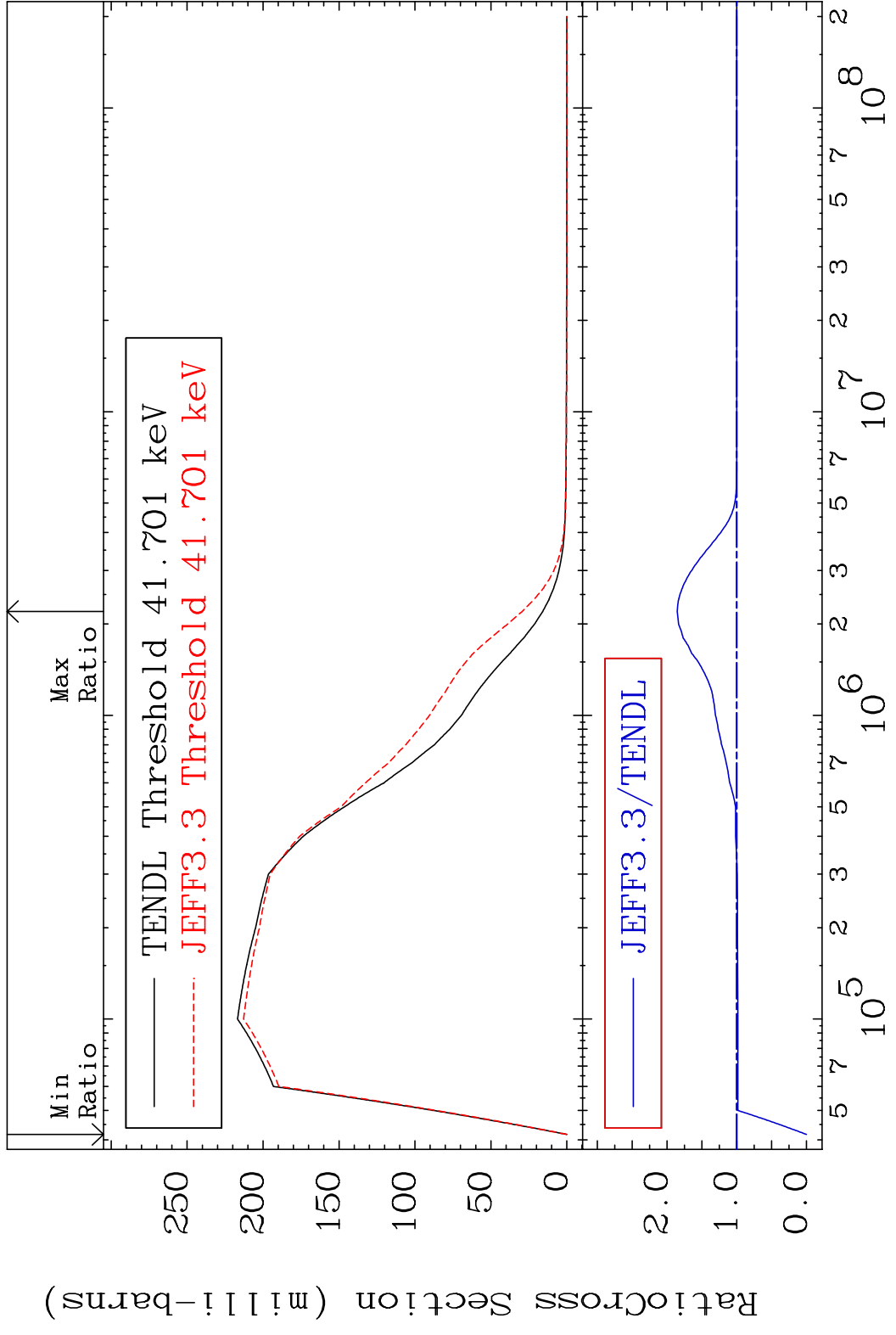
(n,3n) p

76-0s-193

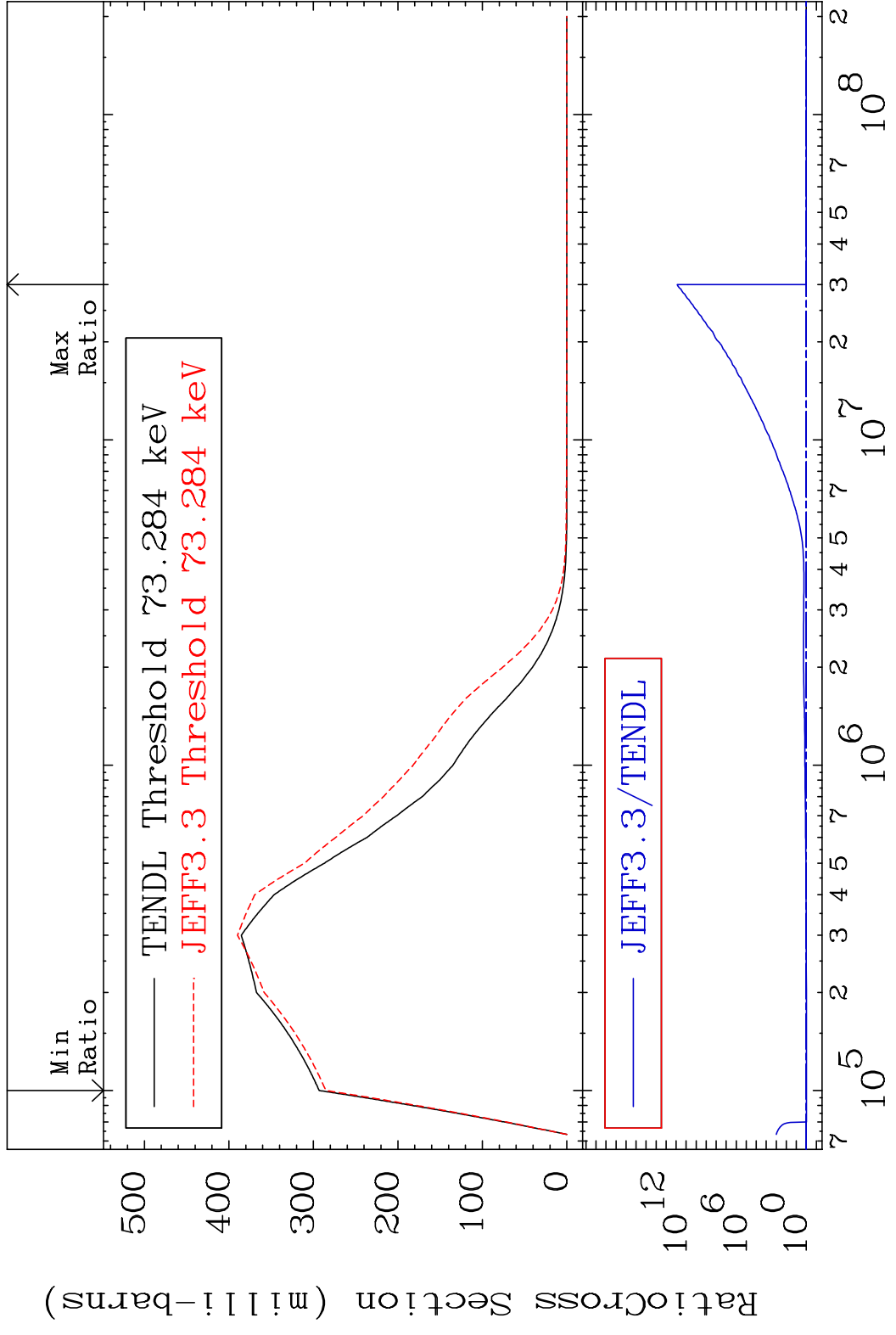
Cross Section -99.92 To 9999. %



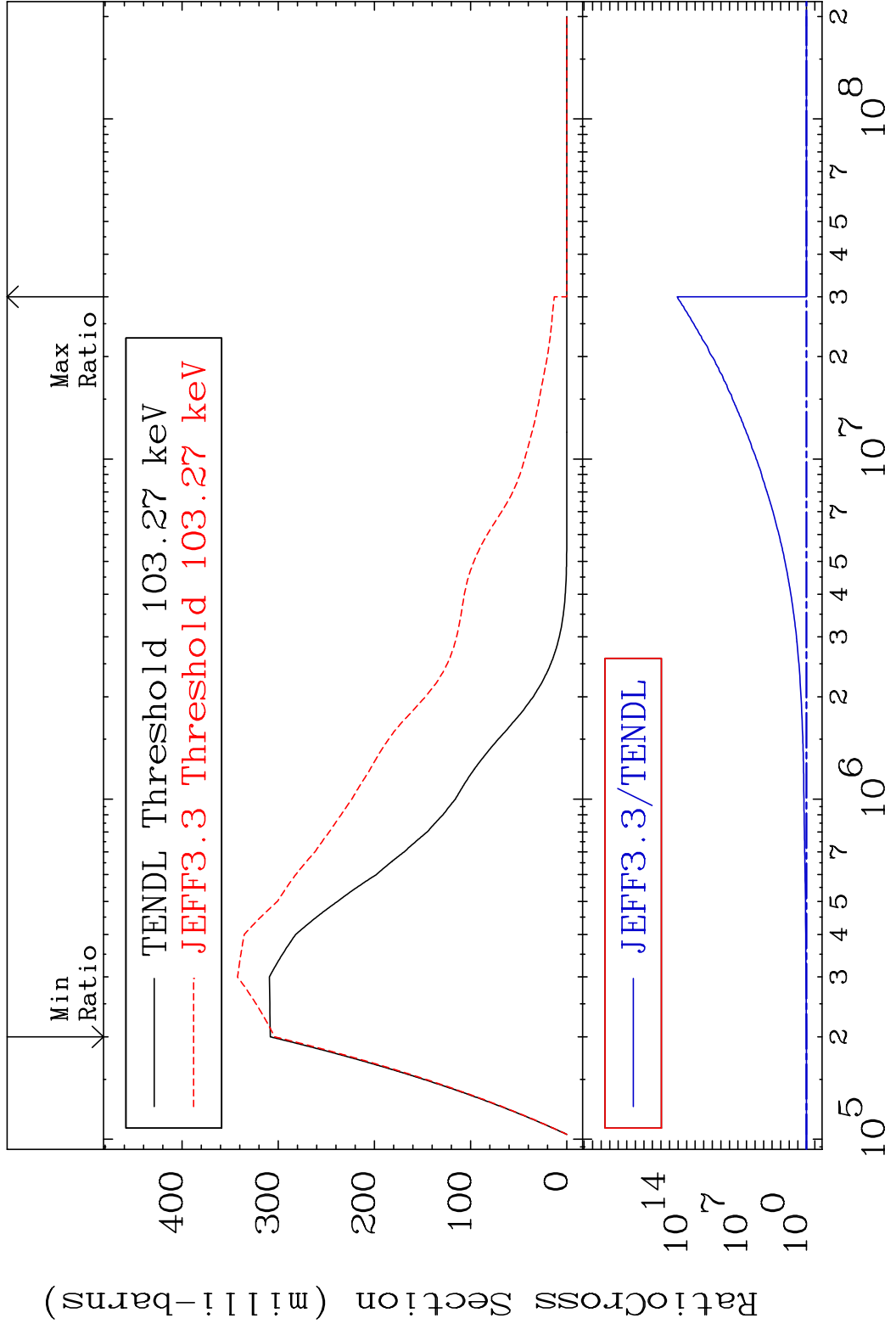
MAT 7652 MT= 51 (n, n') Level 76-0s-193
 Cross Section -100.0 To 85.34 %



MAT 7652 MT= 52 (n,n') Level 76-0s-193
 Cross Section -2.692 To 9999. %

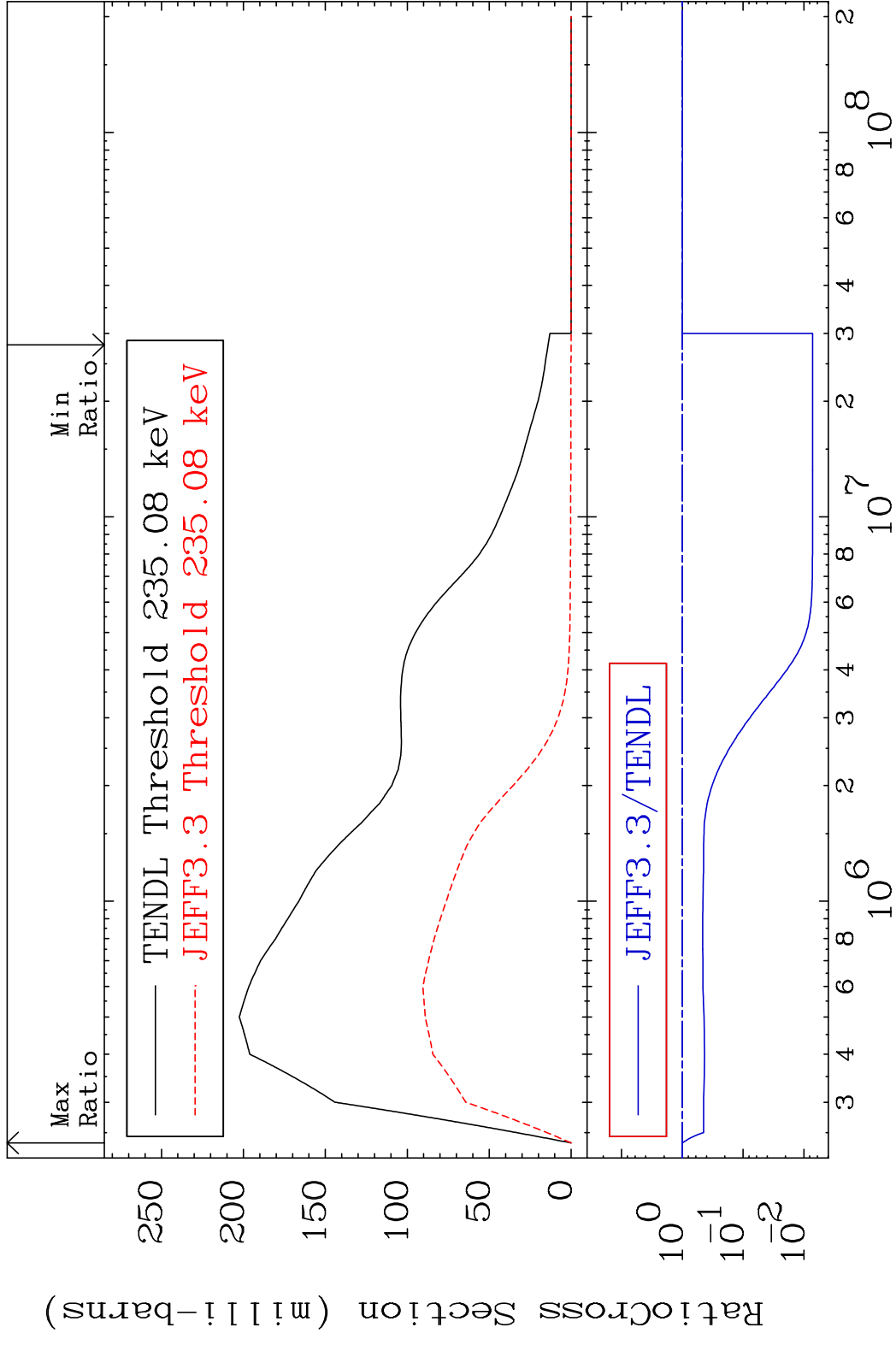


MAT 7652 MT= 53 (n, n') Level 76-0s-193
 Cross Section -1.449 To 9999. %

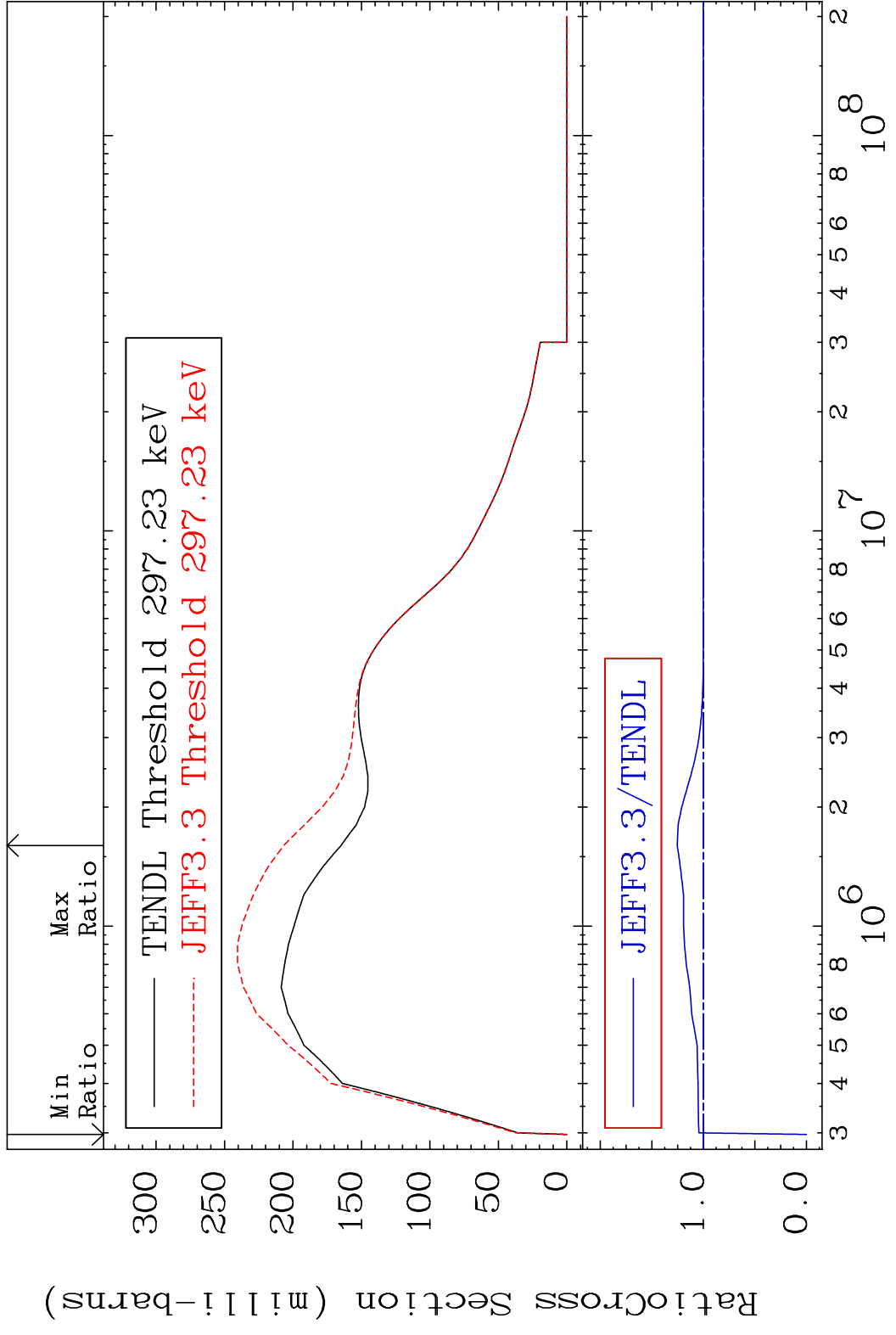


19 Incident Energy (eV) 76-0s-193

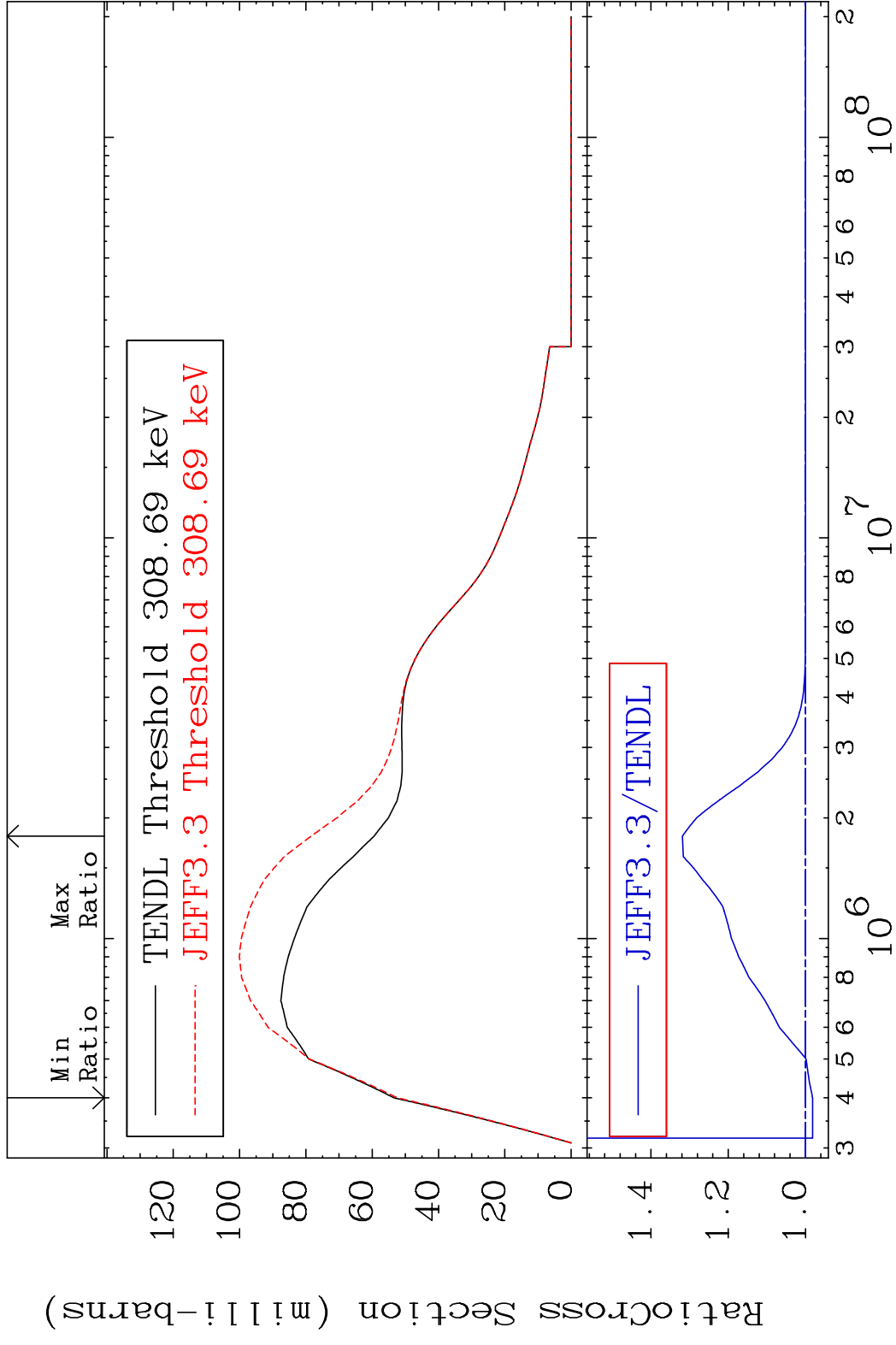
MAT 7652 MT= 54 (n,n') Level 76-0s-193
 Cross Section -99.28 To 0.000 %



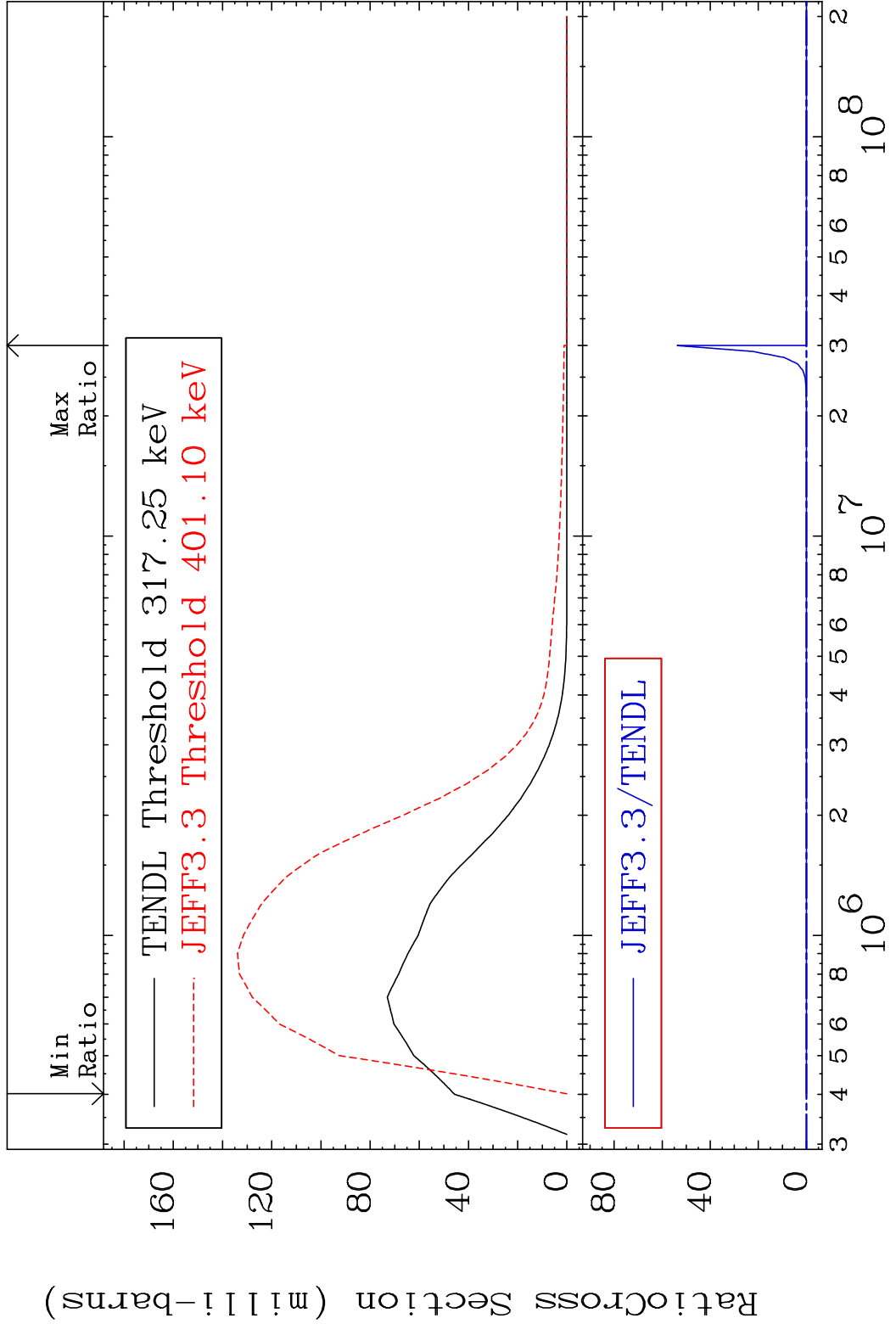
MAT 7652 MT= 55 (n,n') Level 76-0s-193
 Cross Section -100.0 To 25.38 %



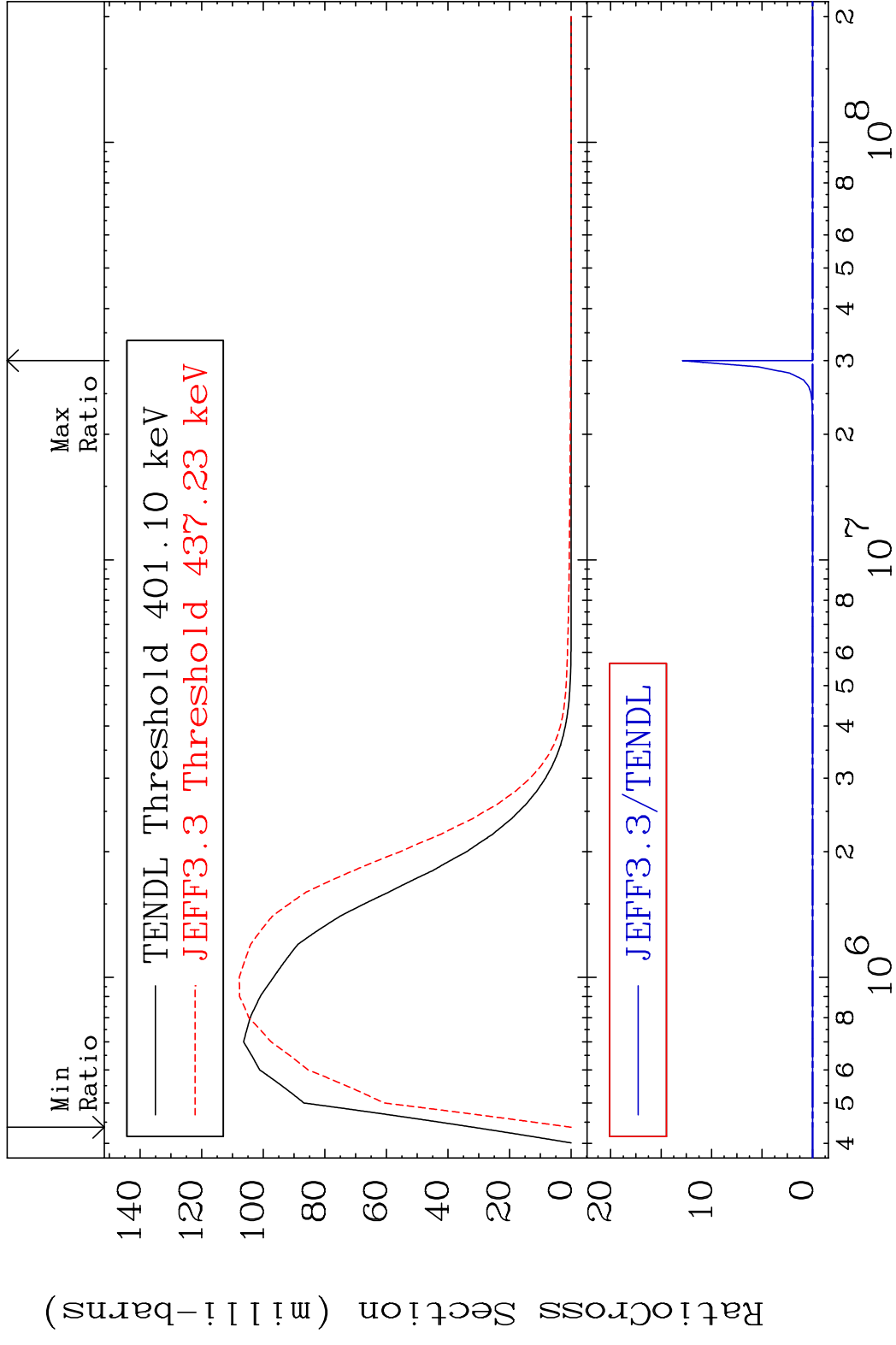
MAT 7652 MT= 56 (n,n') Level 76-0s-193
 Cross Section -1.834 To 31.89 %



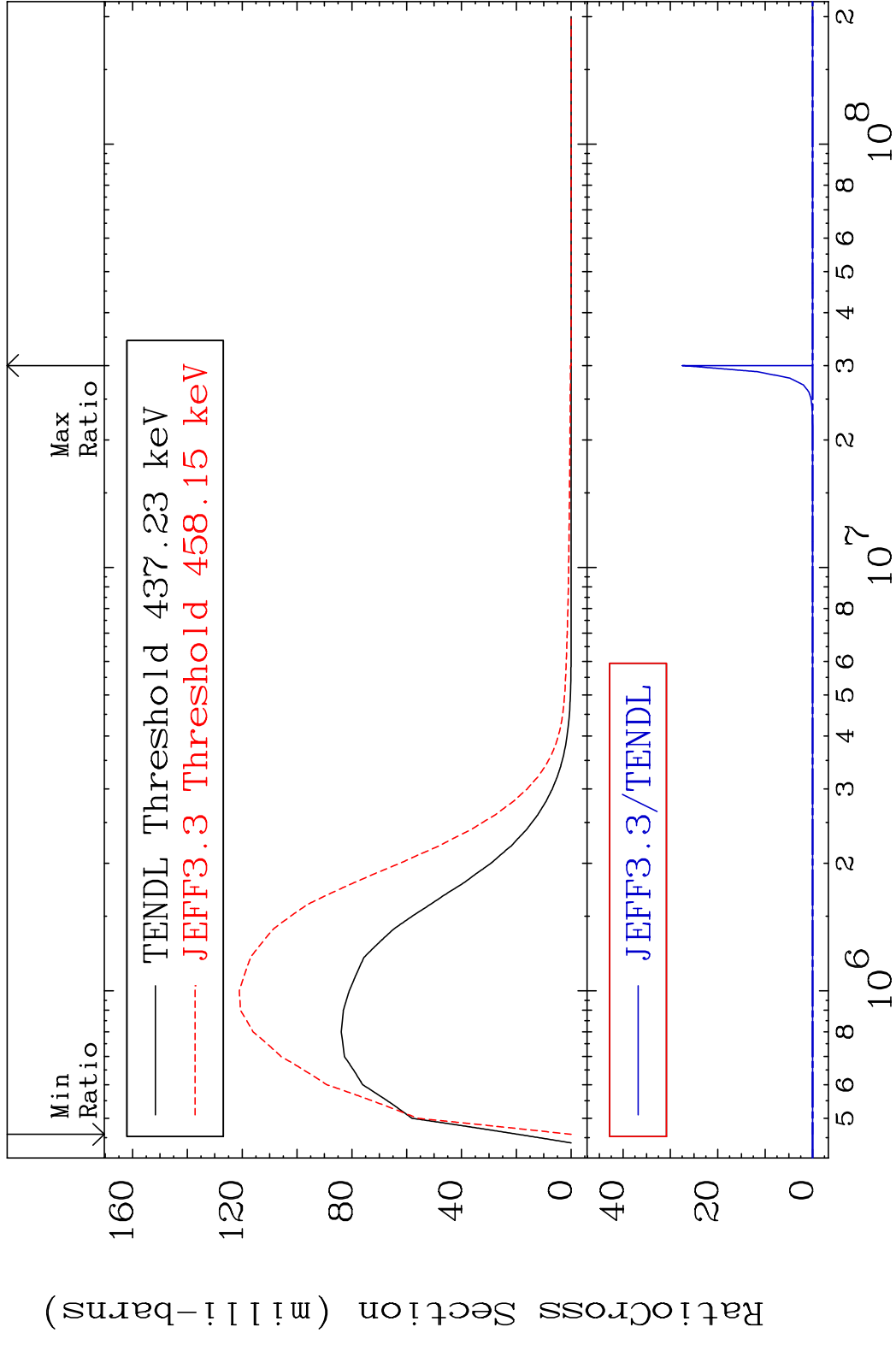
MAT 7652 MT= 57 (n,n') Level 76-0s-193
 Cross Section -100.0 To 9999. %



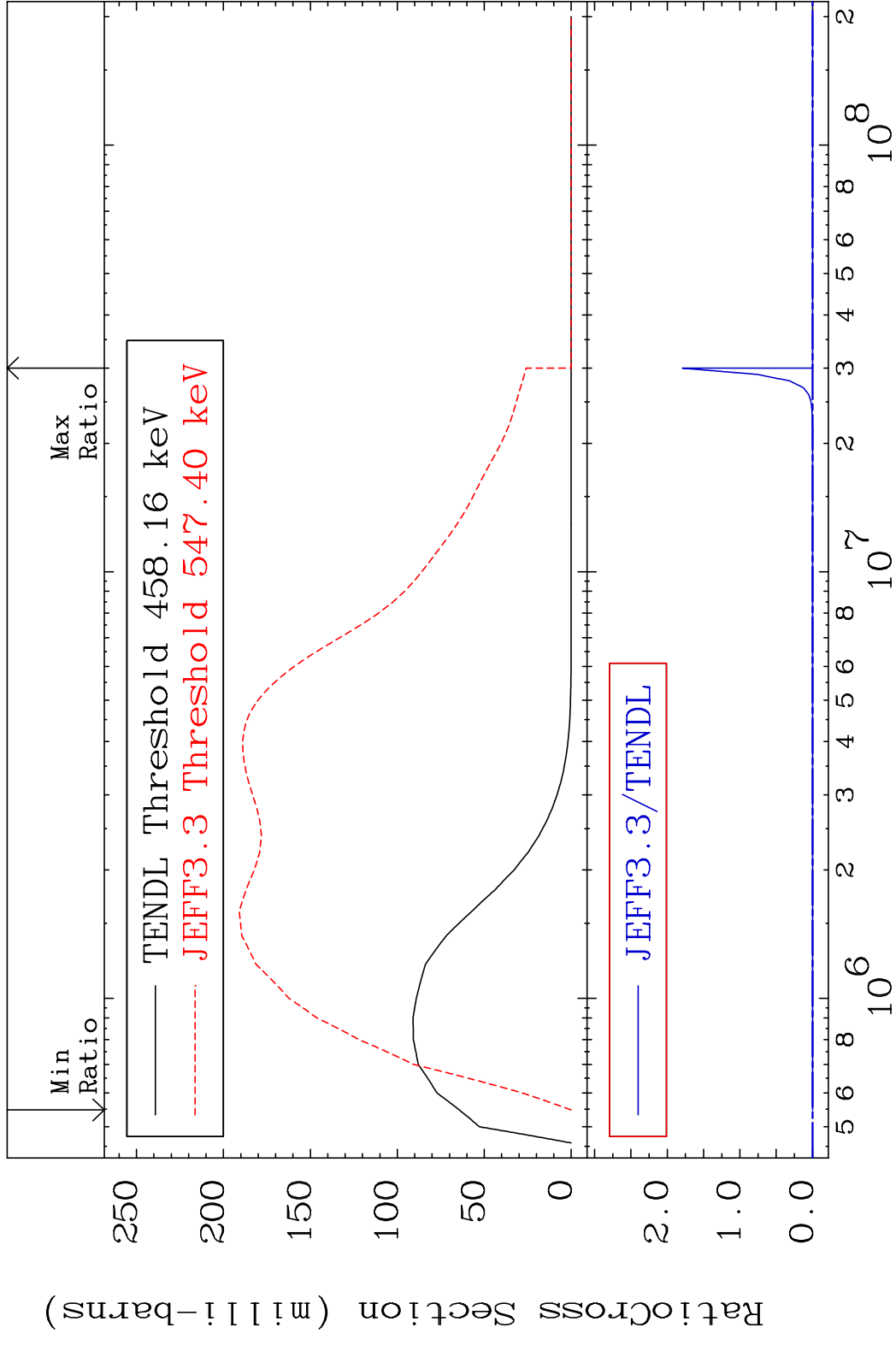
MAT 7652 MT= 58 (n, n') Level 76-0s-193
 Cross Section -100.0 To 9999. %



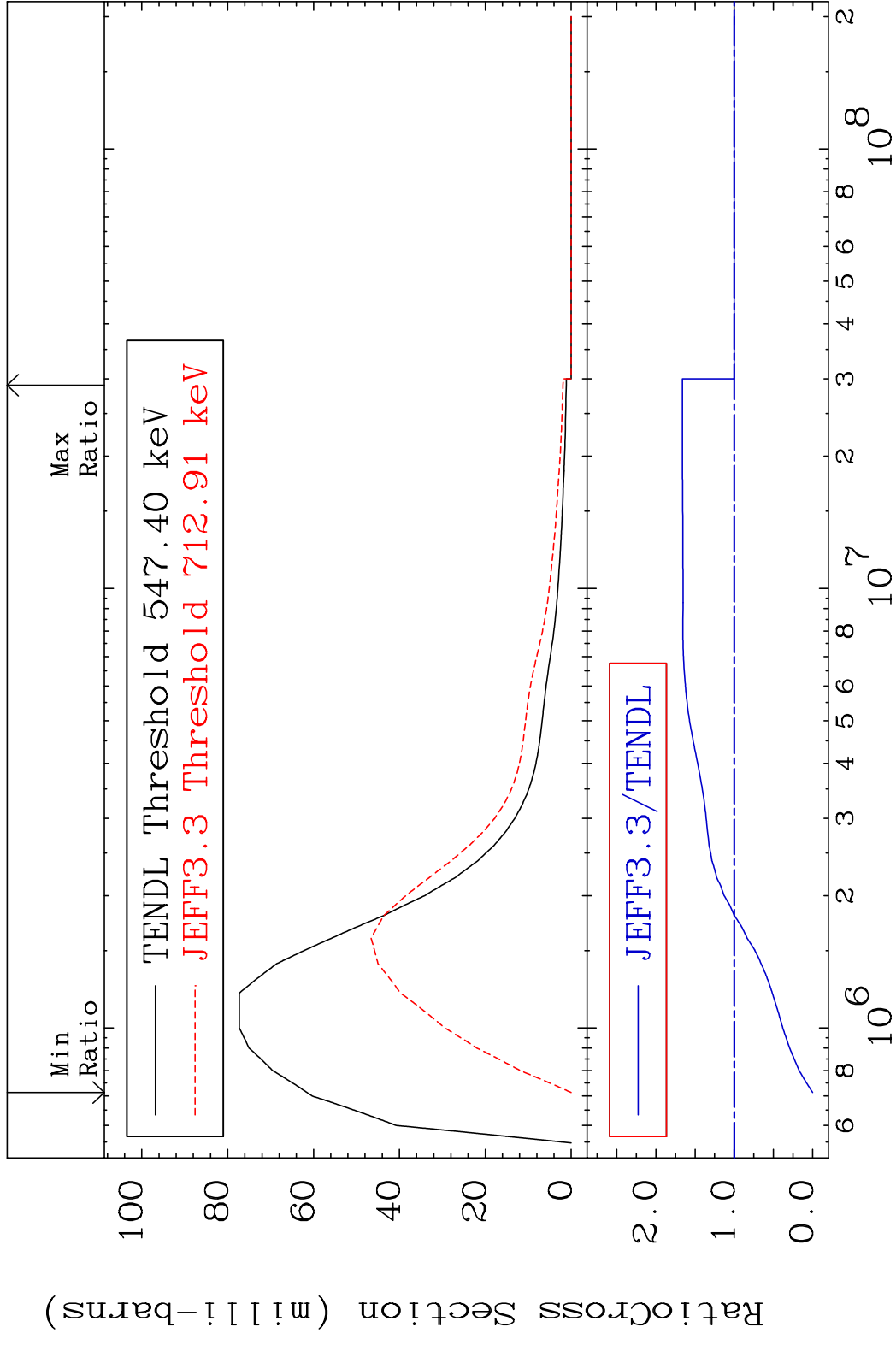
MAT 7652 MT= 59 (n, n') Level 76-0s-193
 Cross Section -100.0 To 9999. %



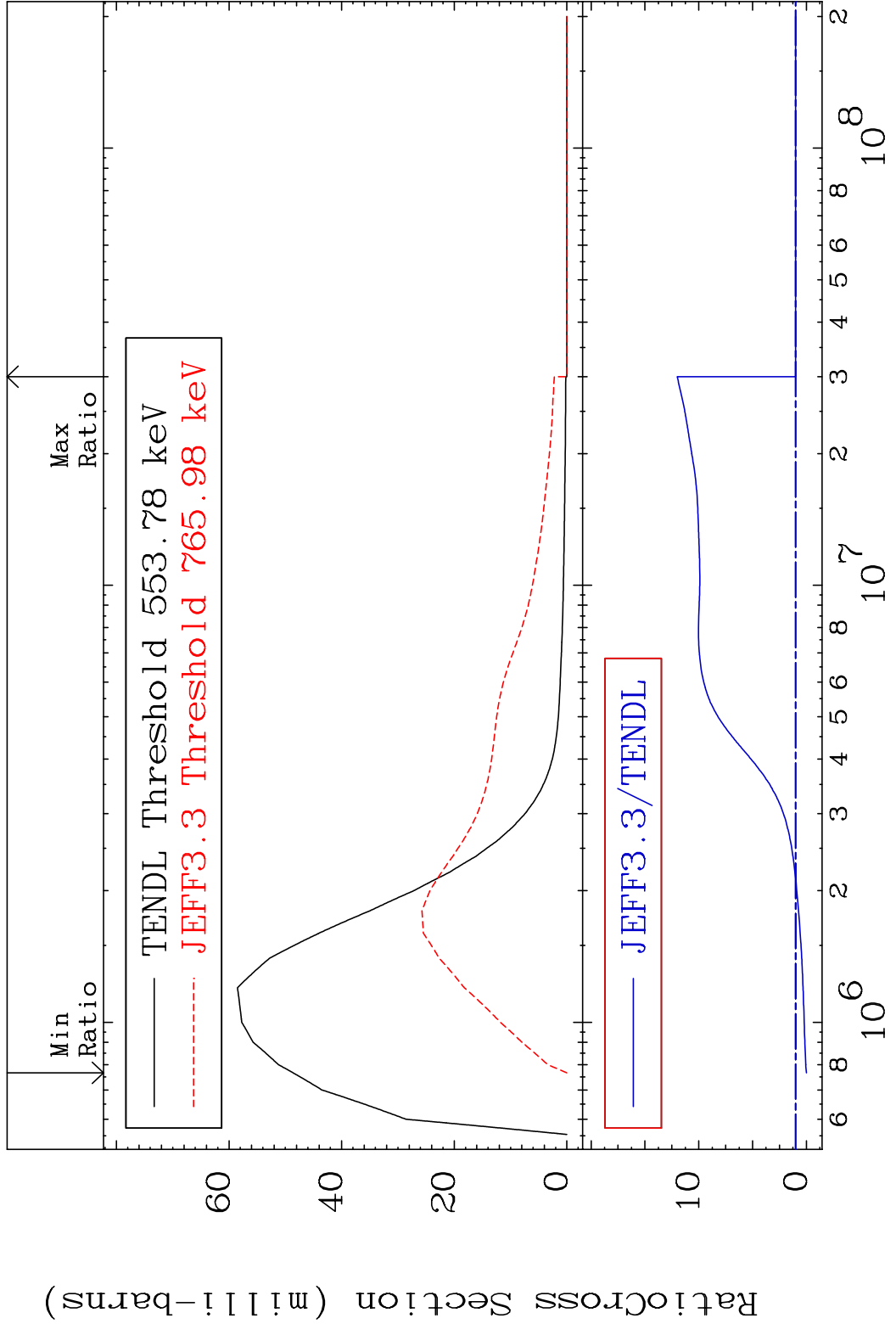
MAT 7652 MT= 60 (n, n') Level 76-0s-193
 Cross Section -100.0 To 9999. %



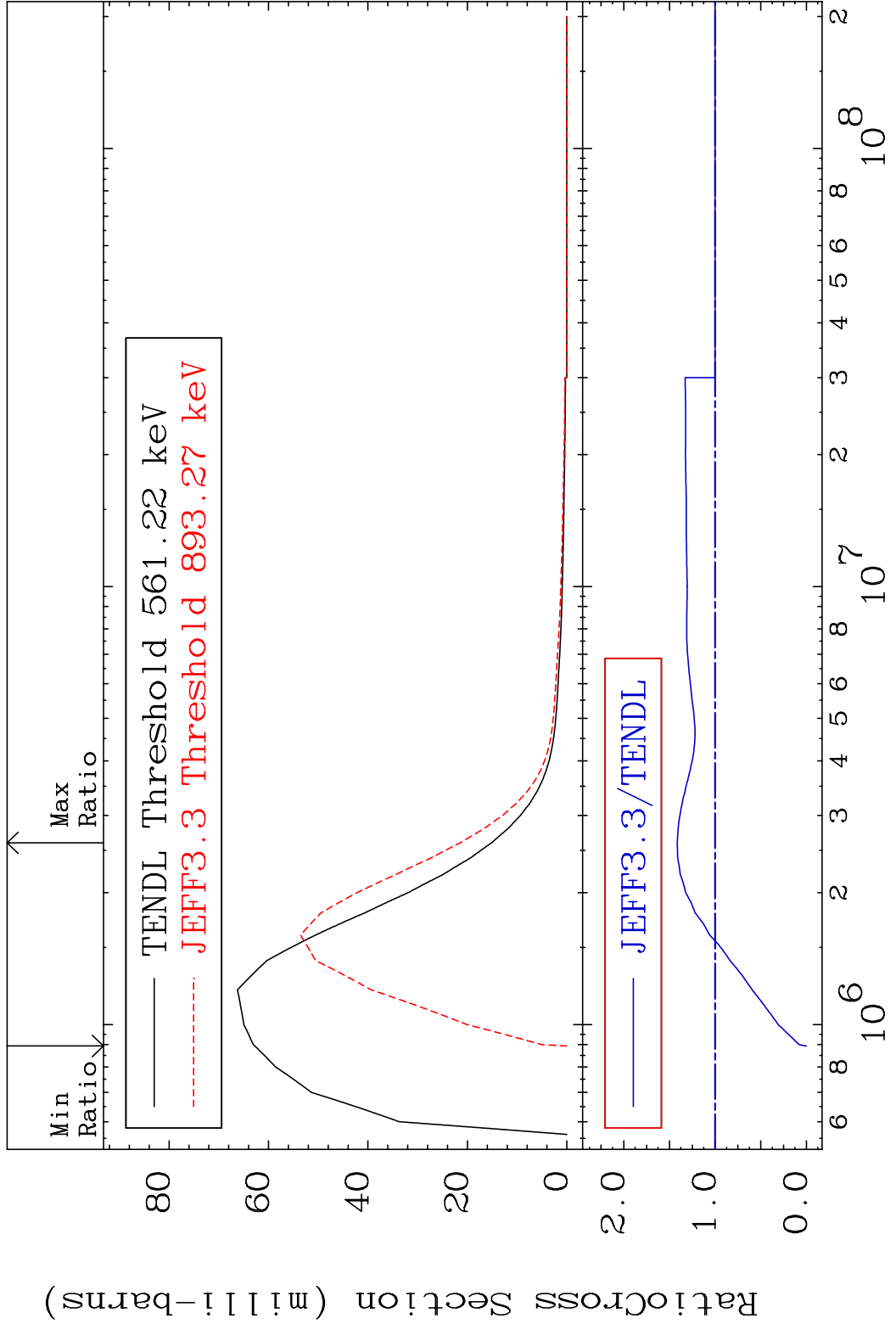
MAT 7652 MT= 61 (n, n') Level 76-0s-193
 Cross Section -100.0 To 66.23 %



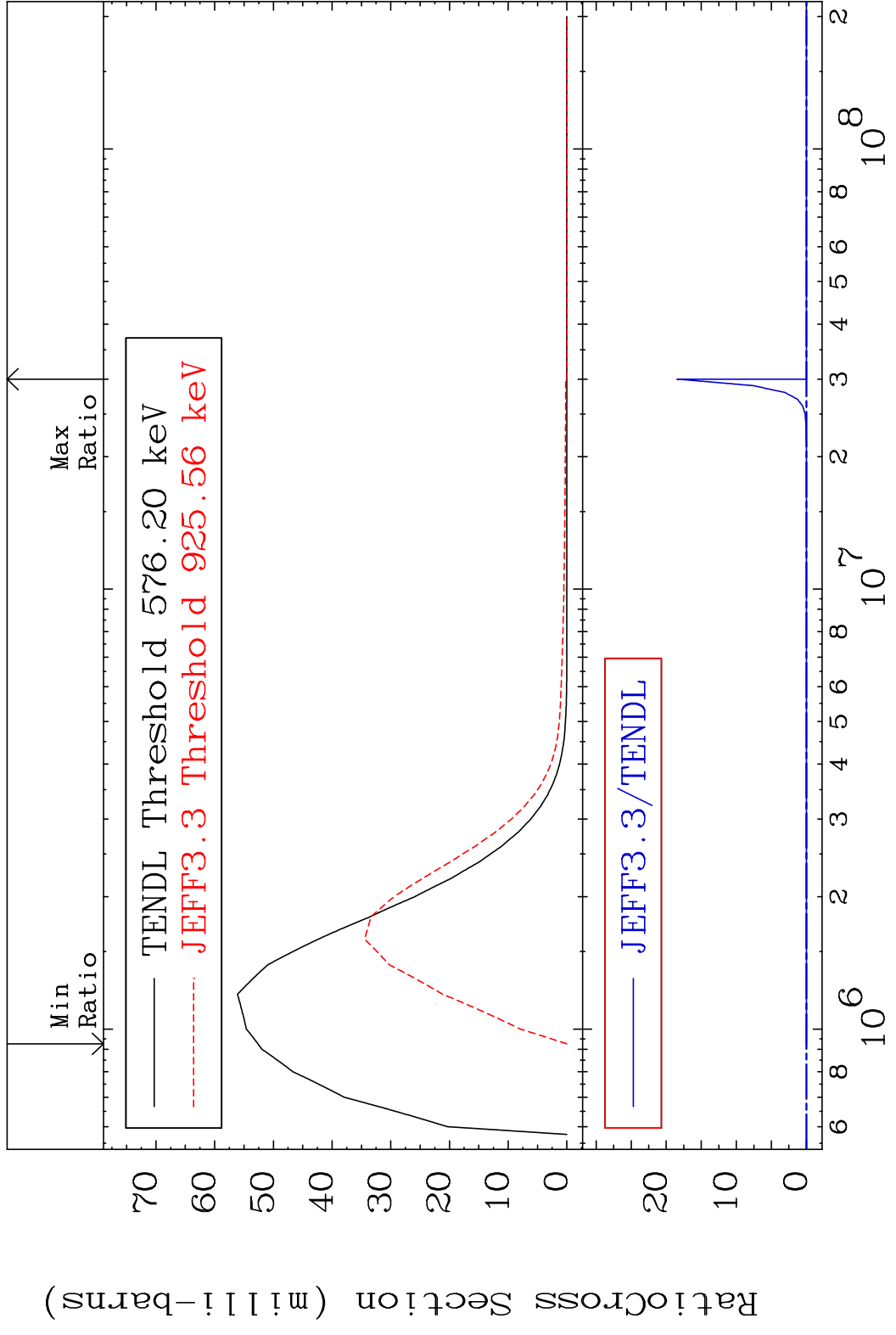
MAT 7652 MT= 62 (n, n') Level 76-0s-193
 Cross Section -100.0 To 1100. %



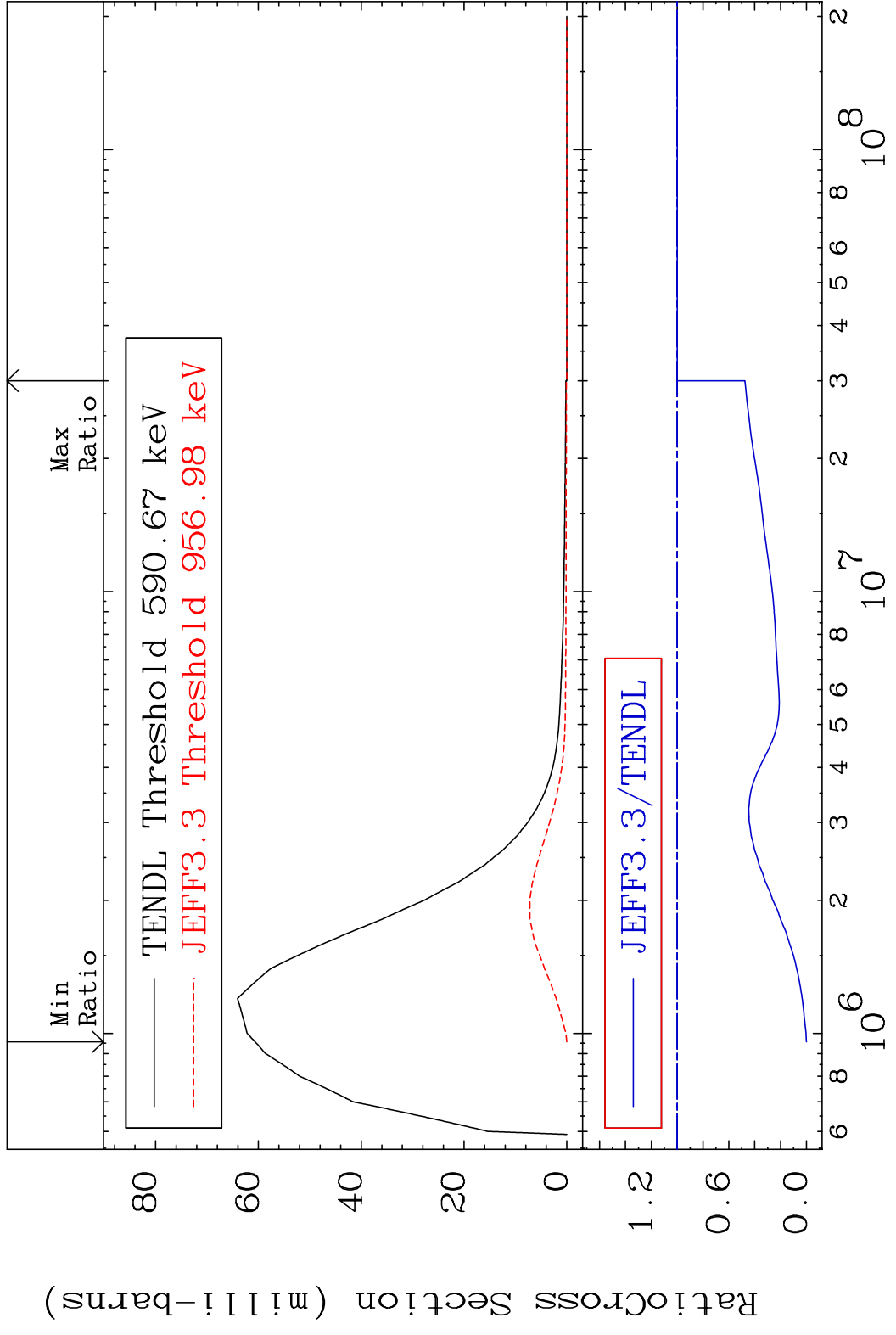
MAT 7652 MT= 63 (n, n') Level 76-0s-193
 Cross Section -100.0 To 41.54 %



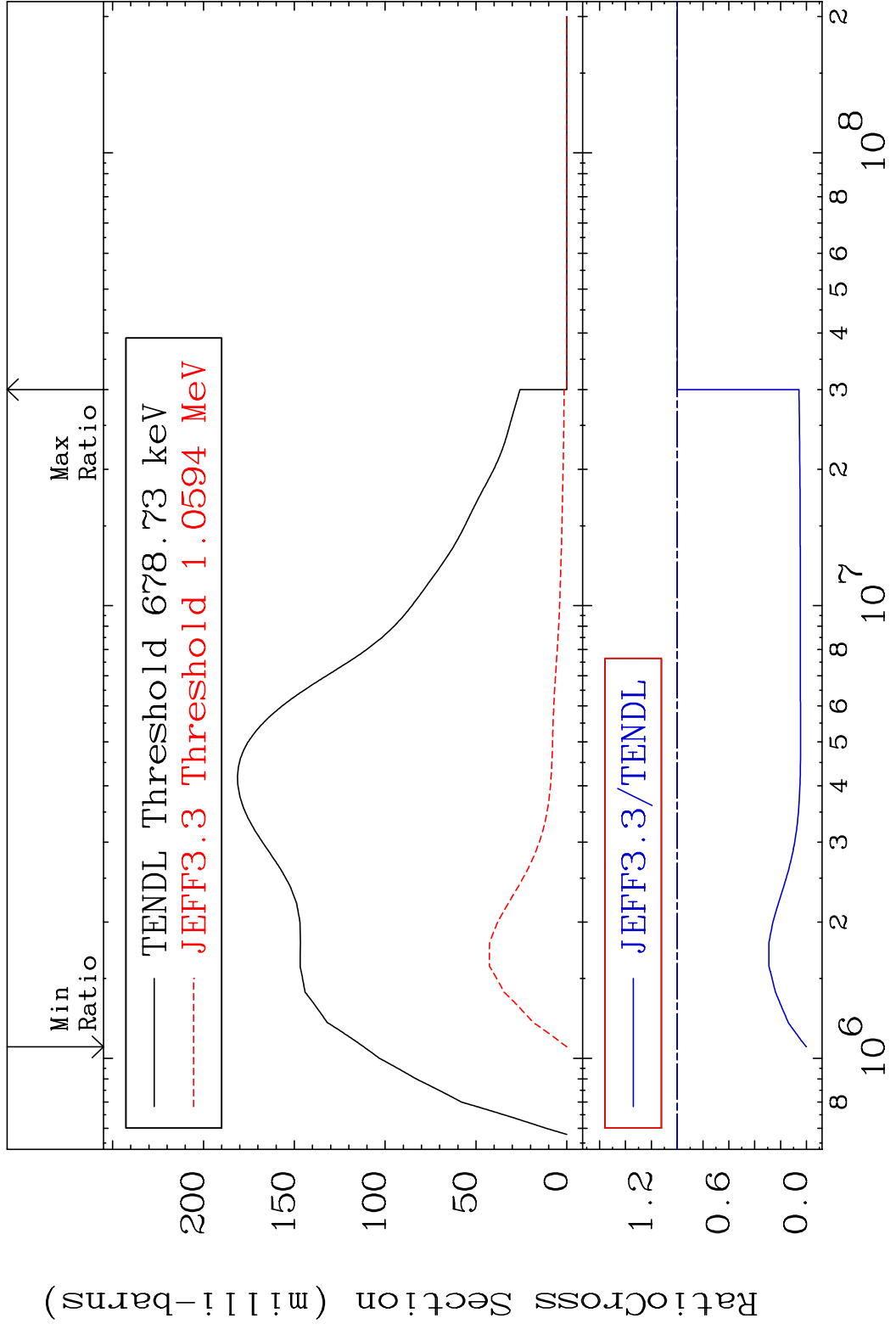
MAT 7652 MT= 64 (n, n') Level 76-0s-193
 Cross Section -100.0 To 9999. %



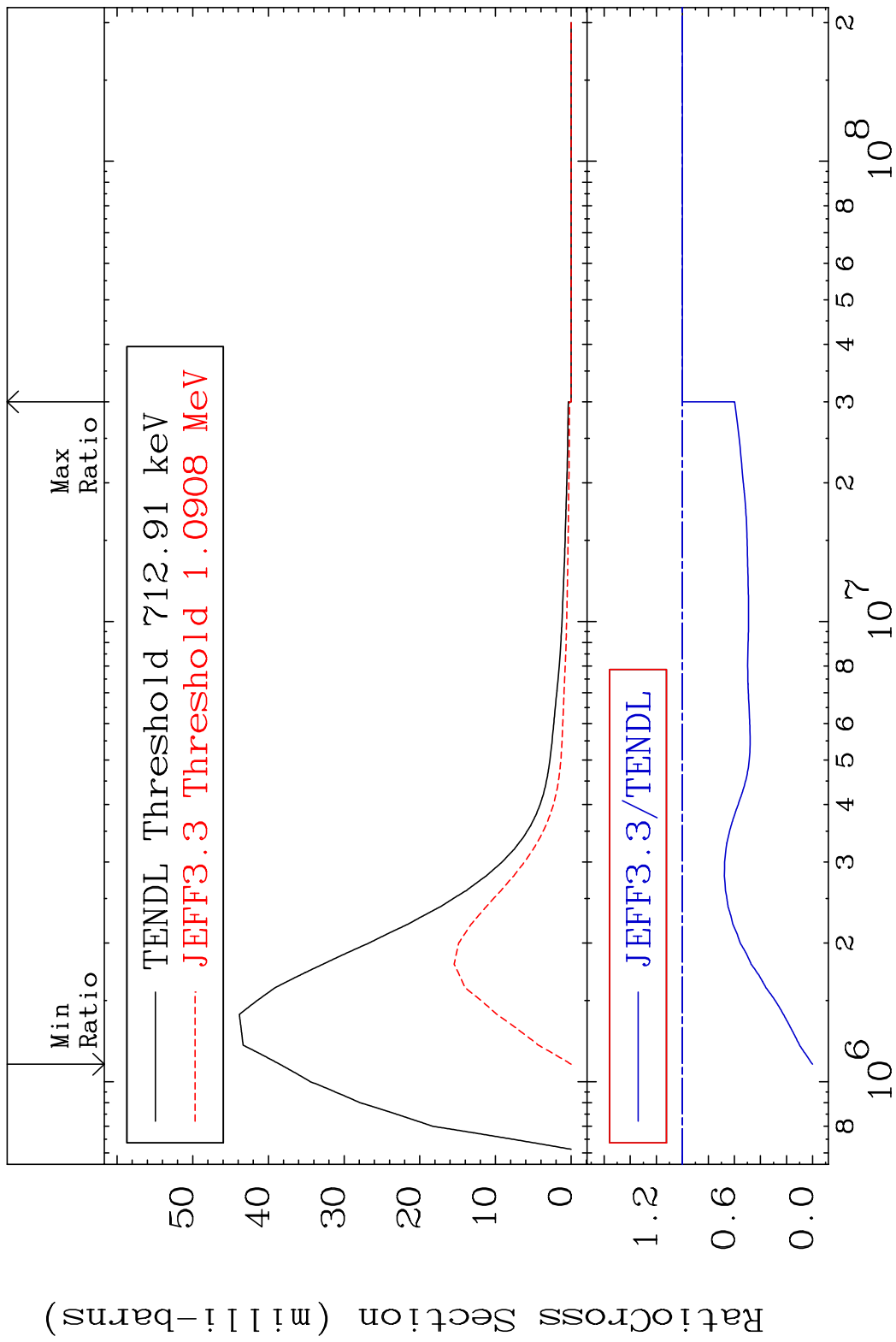
MAT 7652 MT= 65 (n, n') Level 76-0s-193
 Cross Section -100.0 To 0.000 %



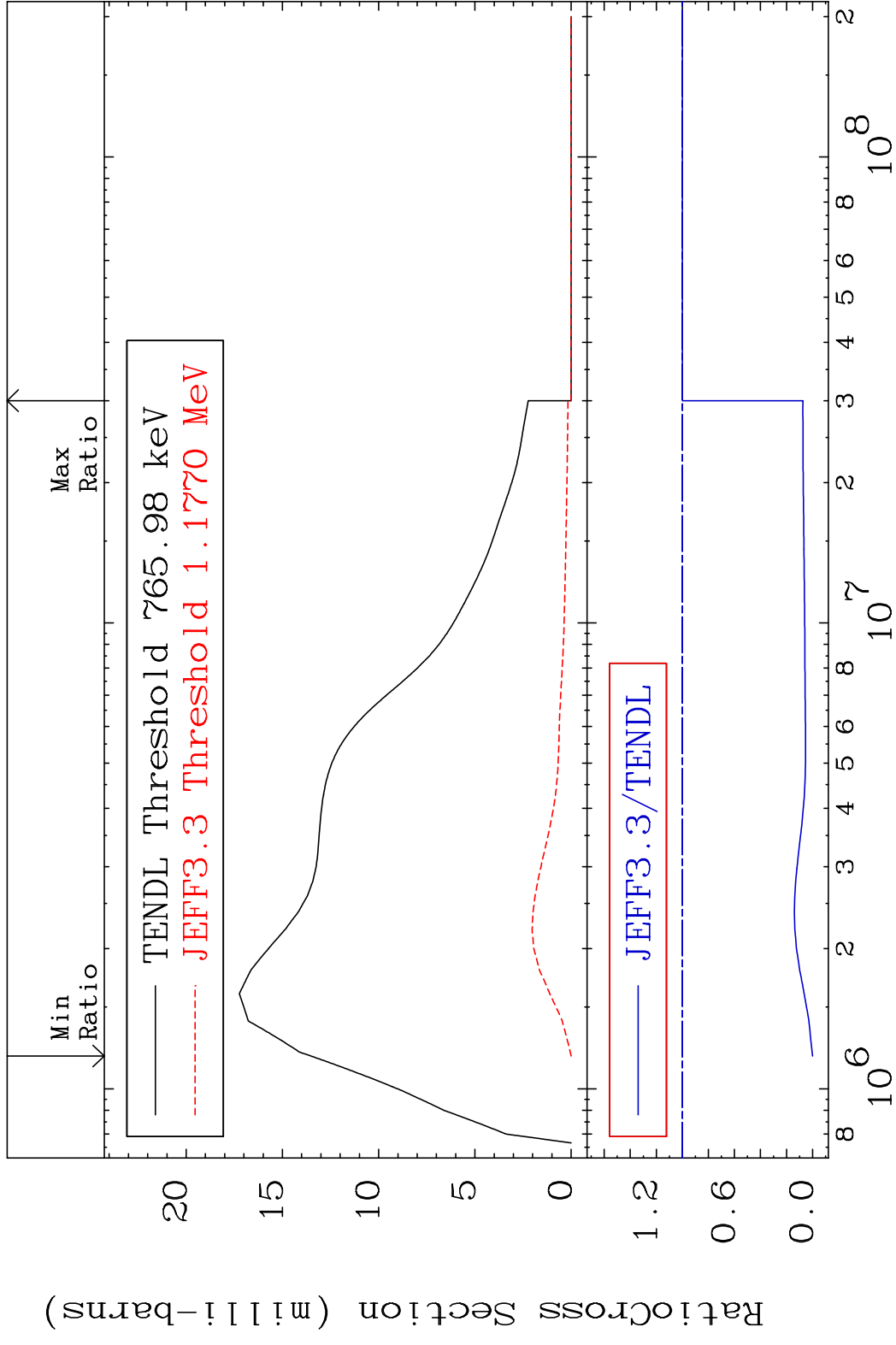
MAT 7652 MT= 66 (n, n') Level 76-0s-193
 Cross Section -100.0 To 0.000 %



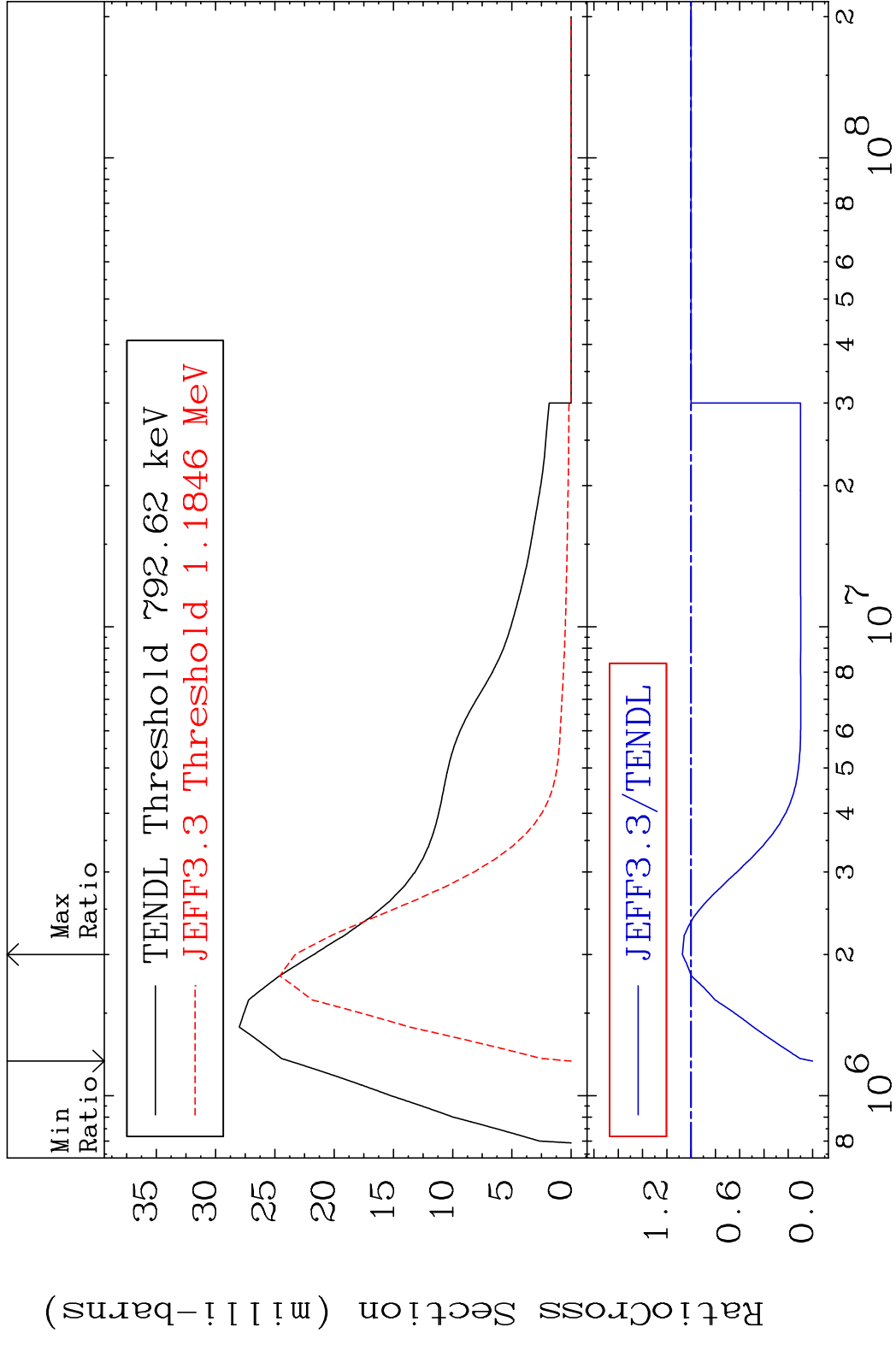
MAT 7652 MT= 67 (n, n') Level 76-0s-193
 Cross Section -100.0 To 0.000 %



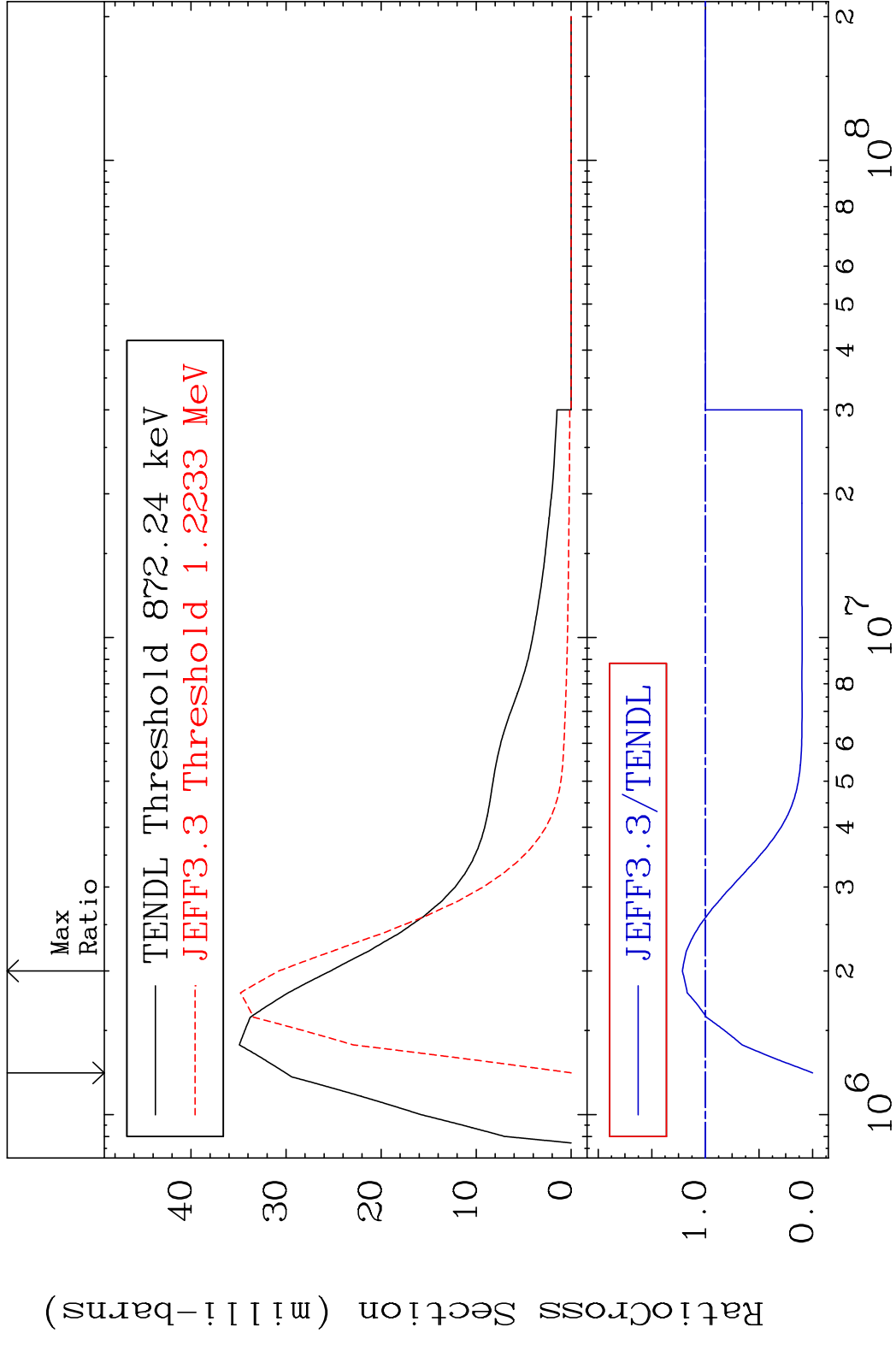
MAT 7652 MT= 68 (n, n') Level 76-0s-193
 Cross Section -100.0 To 0.000 %



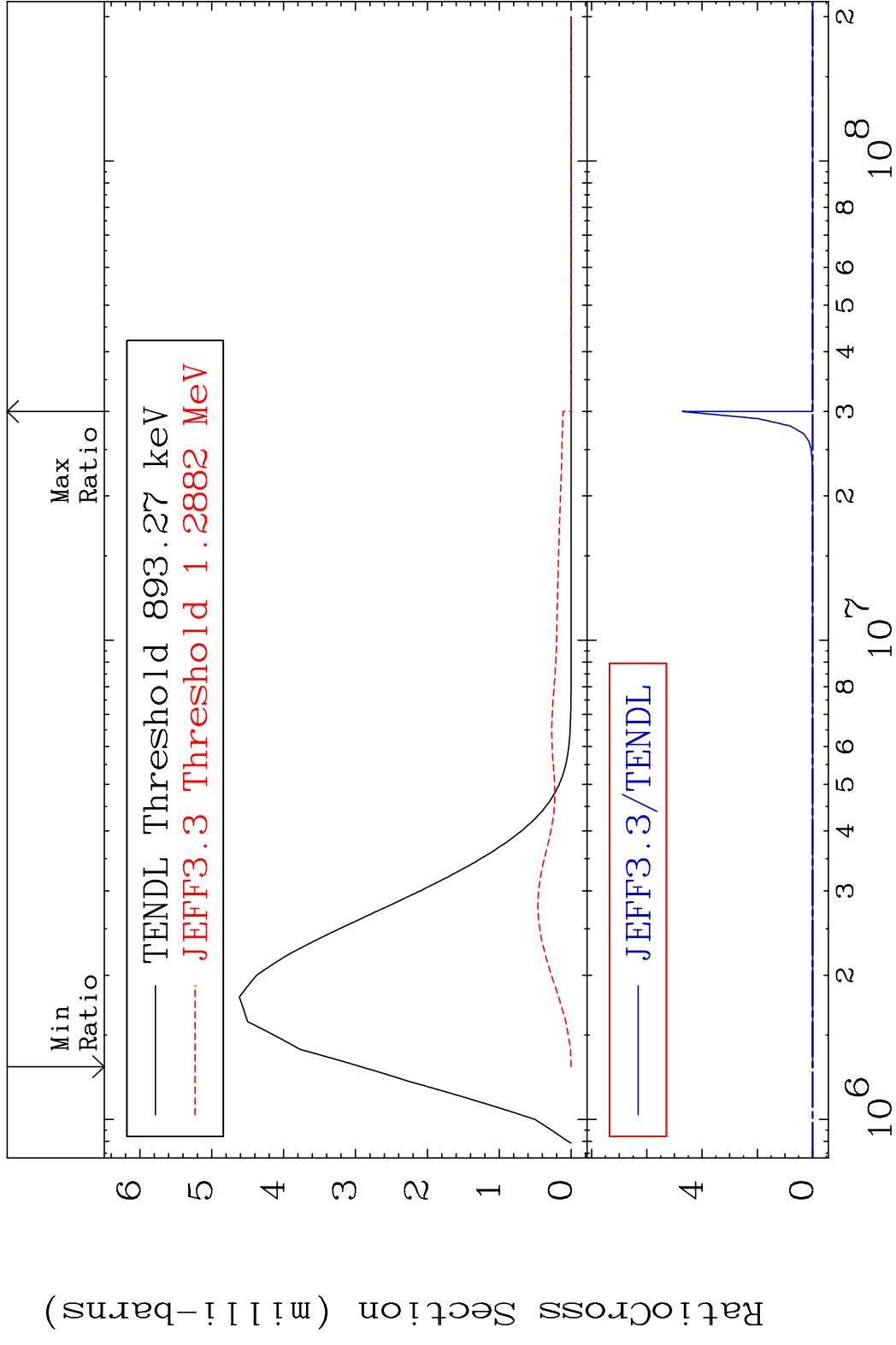
MAT 7652 MT= 69 (n,n') Level 76-0s-193
 Cross Section -100.0 To 7.236 %



MAT 7652 MT= 70 (n,n') Level 76-0s-193
 Cross Section -100.0 To 21.46 %

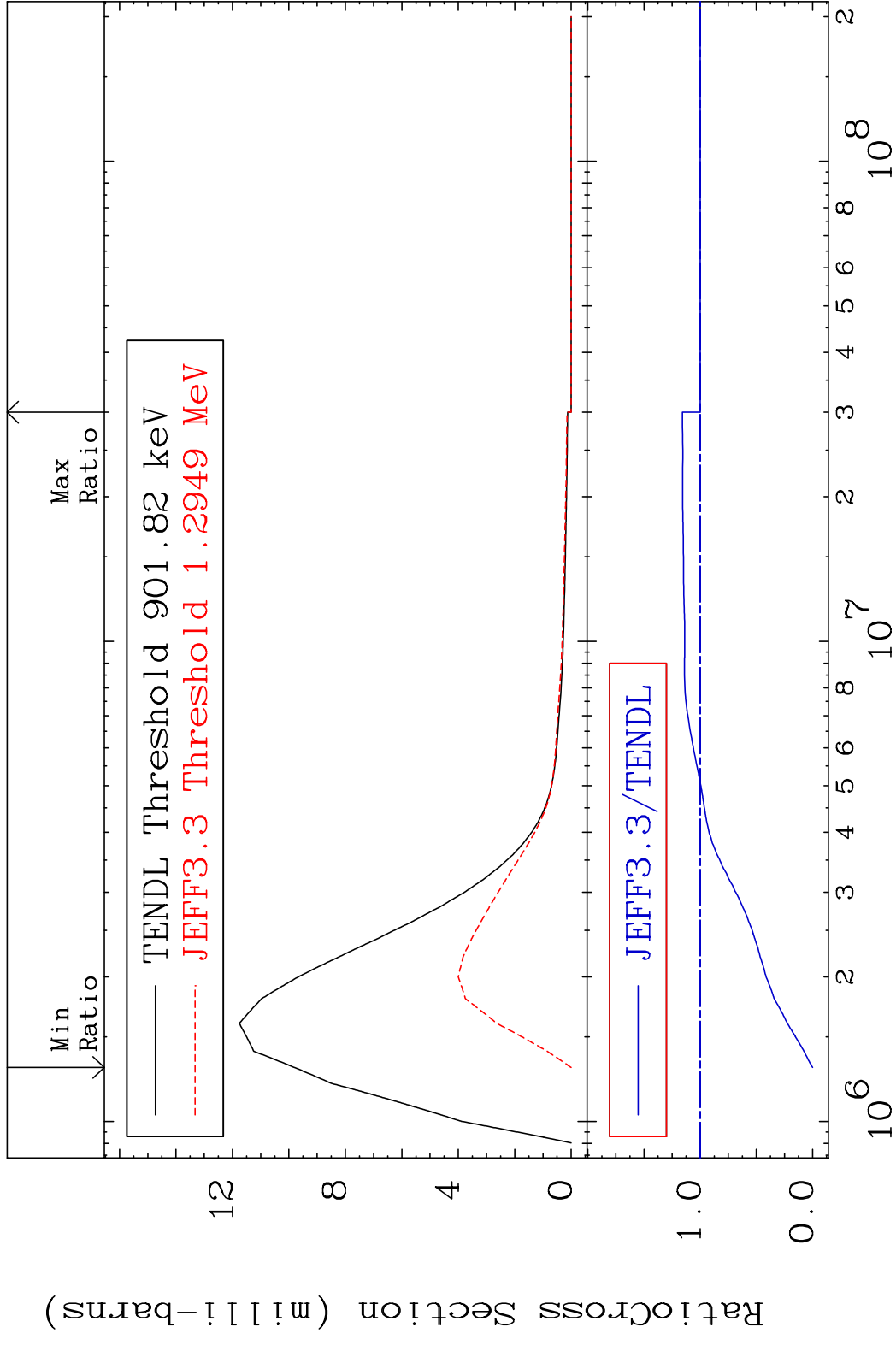


MAT 7652 MT= 71 (n, n') Level 76-0s-193
 Cross Section -100.0 To 9999. %

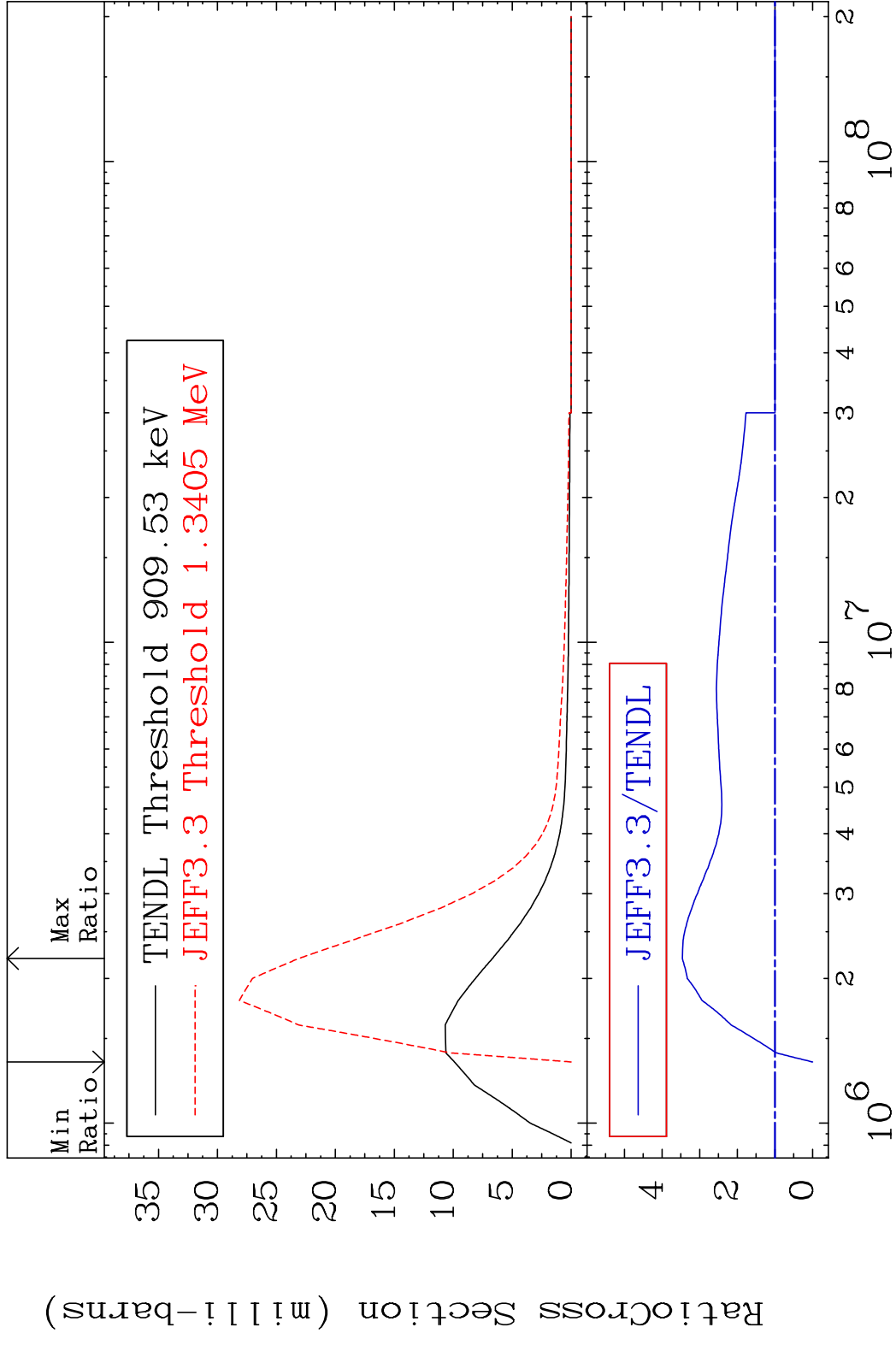


37 Incident Energy (eV) 76-0s-193

MAT 7652 MT= 72 (n, n') Level 76-0s-193
 Cross Section -100.0 To 15.86 %

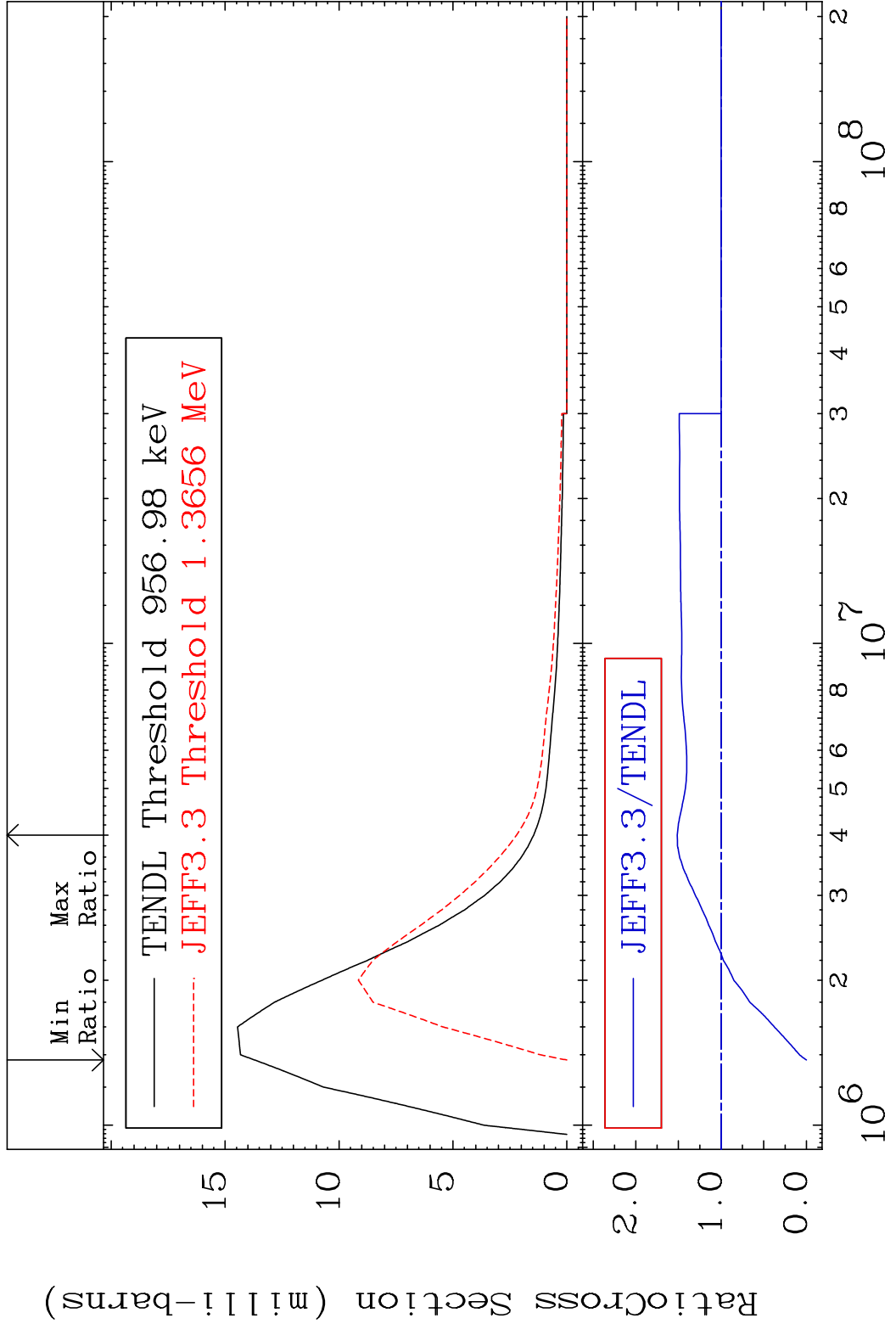


MAT 7652 MT= 73 (n,n') Level 76-0s-193
 Cross Section -100.0 To 246.1 %



39 Incident Energy (eV) 76-0s-193

MAT 7652 MT= 74 (n,n') Level 76-0s-193
 Cross Section -100.0 To 51.49 %



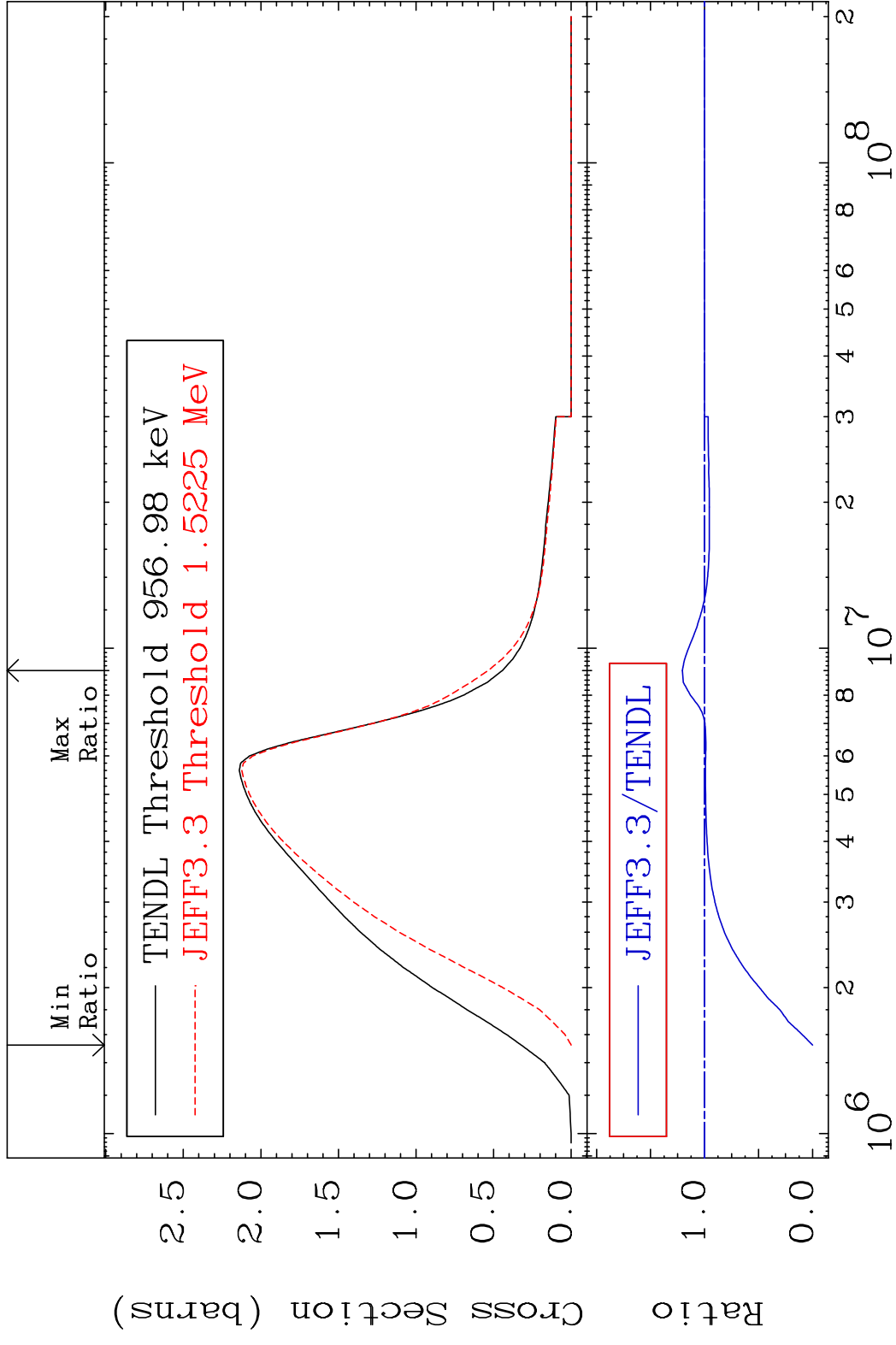
40 76-0s-193

MAT 7652

(n, n') Continuum

76-0s-193

Cross Section -100.0 To 20.55 %



41

Incident Energy (eV)

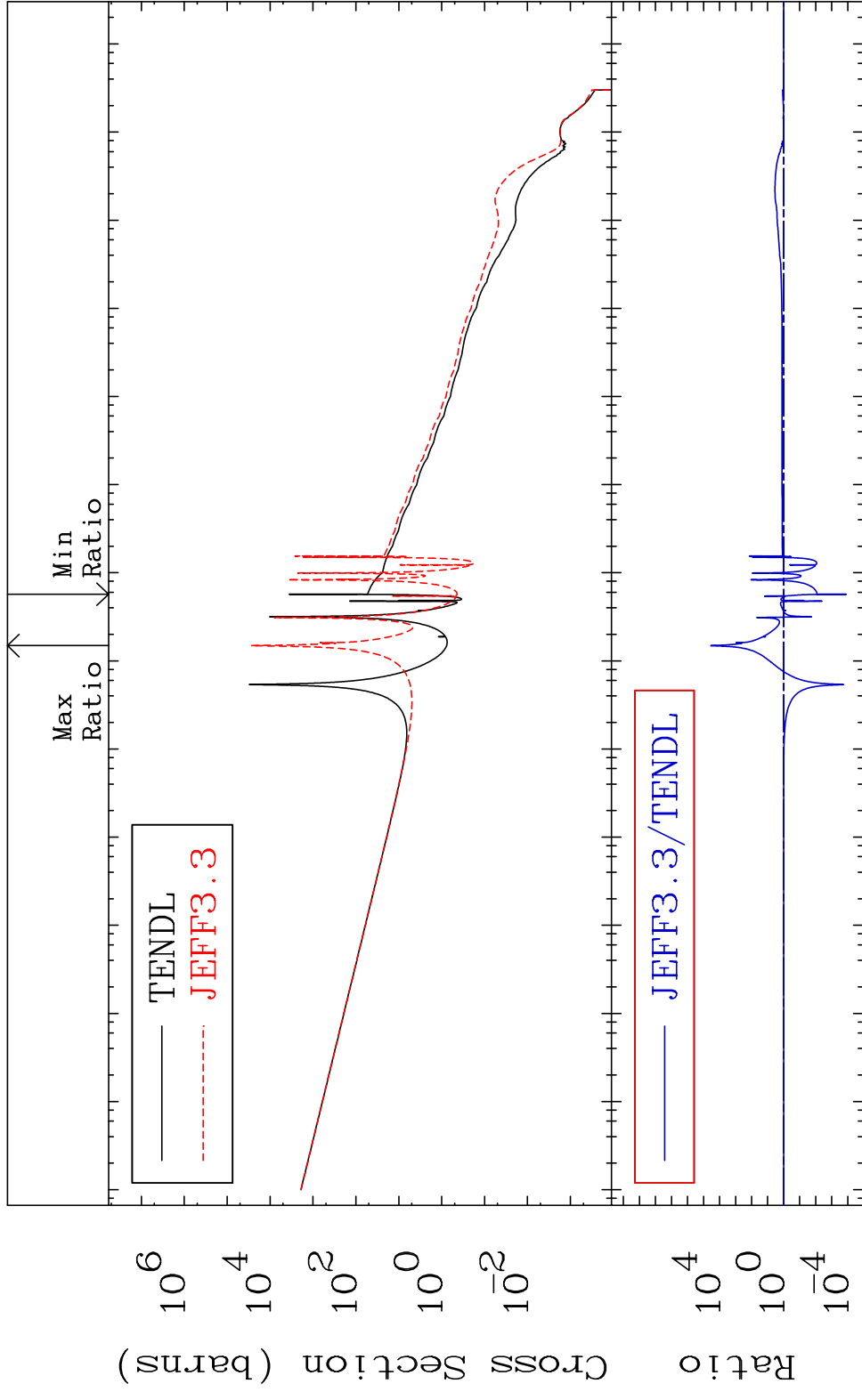
76-0s-193

MAT 7652

76-0s-193

(n, γ)

Cross Section -99.99 To 9999. %

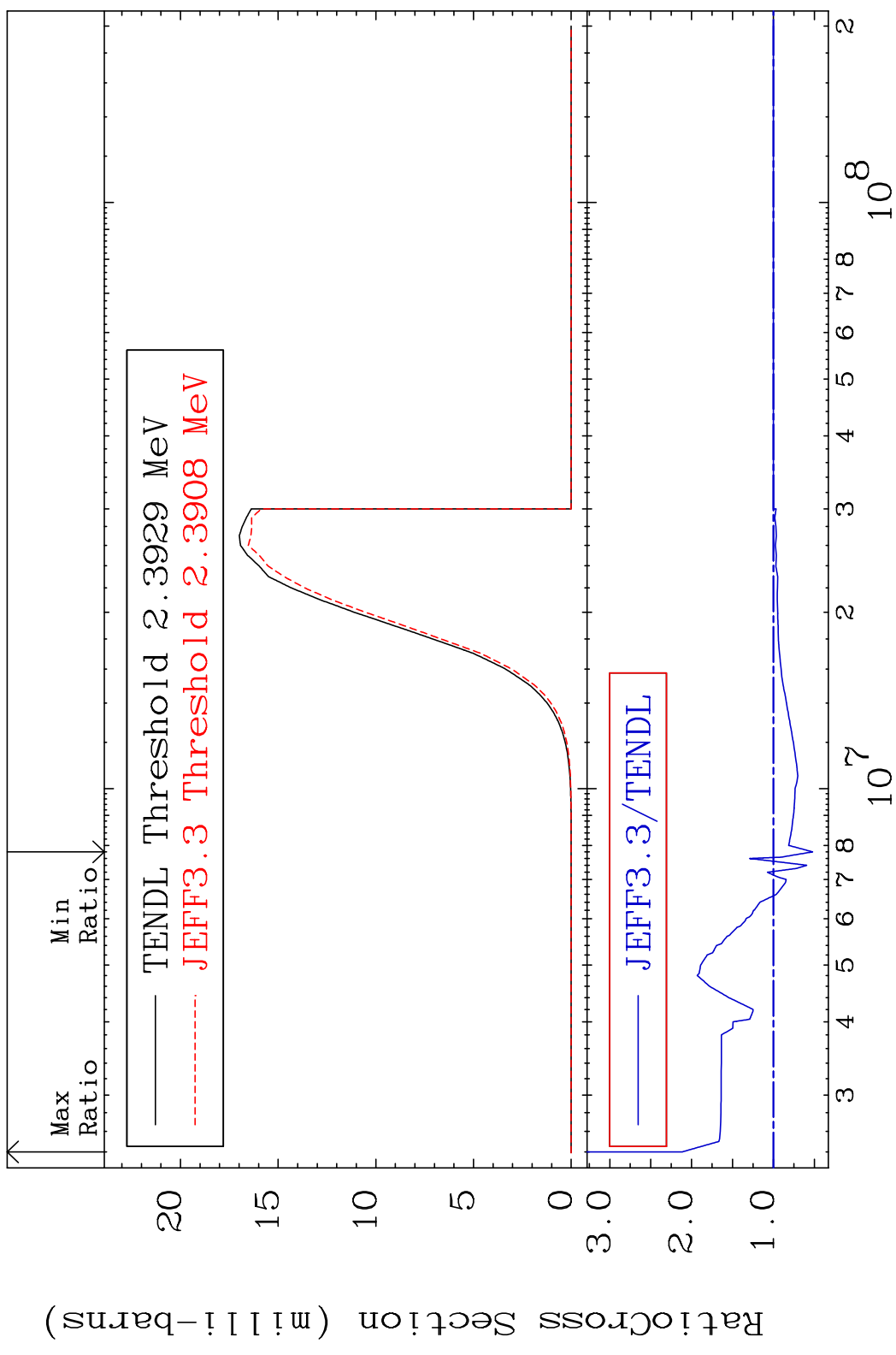


MAT 7652

(n,p)

76-0s-193

Cross Section -47.77 To 111.3 %

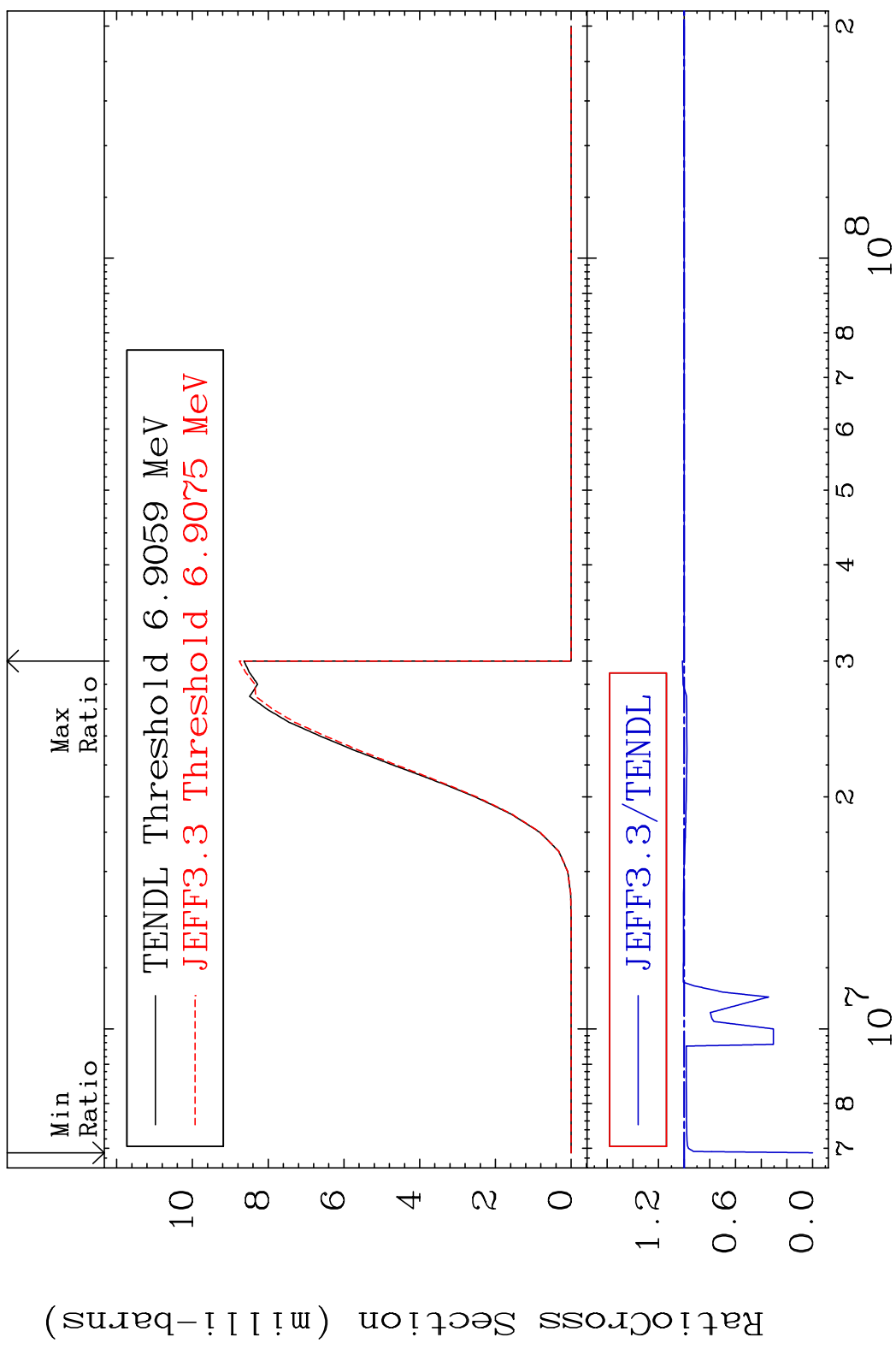


MAT 7652

(n,d)

76-0s-193

Cross Section -100.0 To 1.421 %

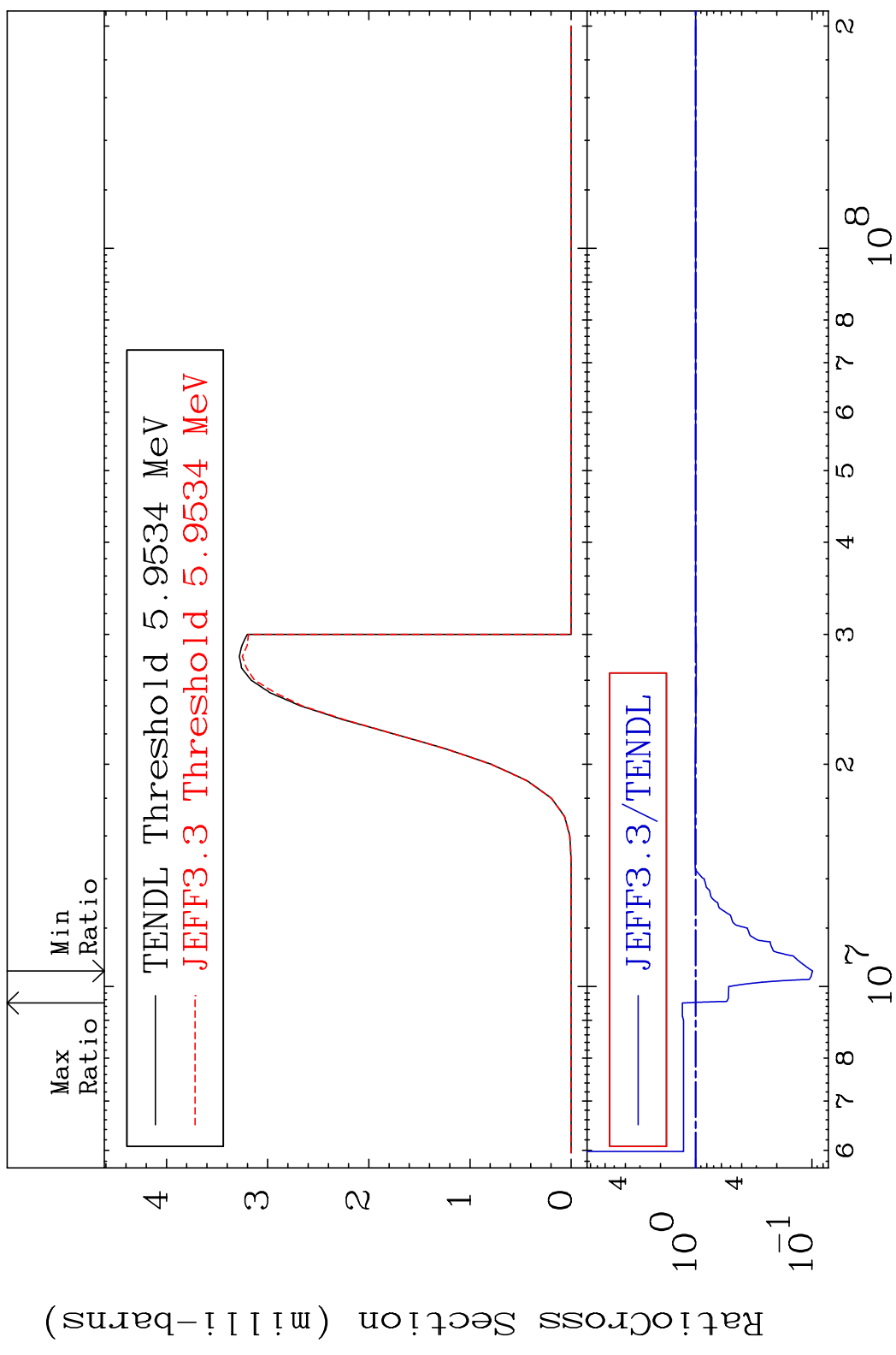


MAT 7652

(n, t)

76-0s-193

Cross Section -90.15 To 29.75 %



45

Incident Energy (eV)

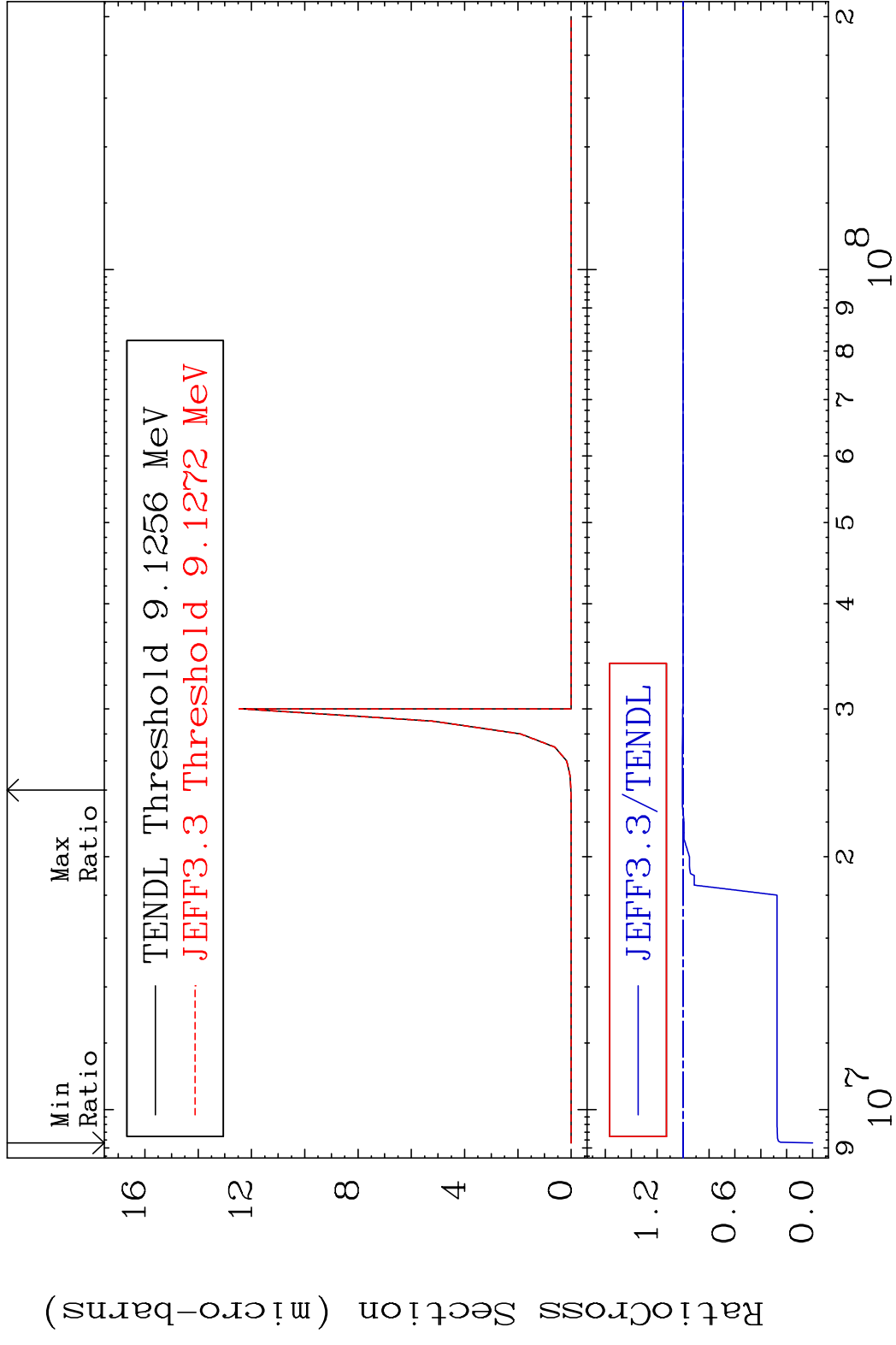
76-0s-193

MAT 7652

(n, He-3)

76-0s-193

Cross Section -100.0 To 0.558 %



46

Incident Energy (eV)

76-0s-193

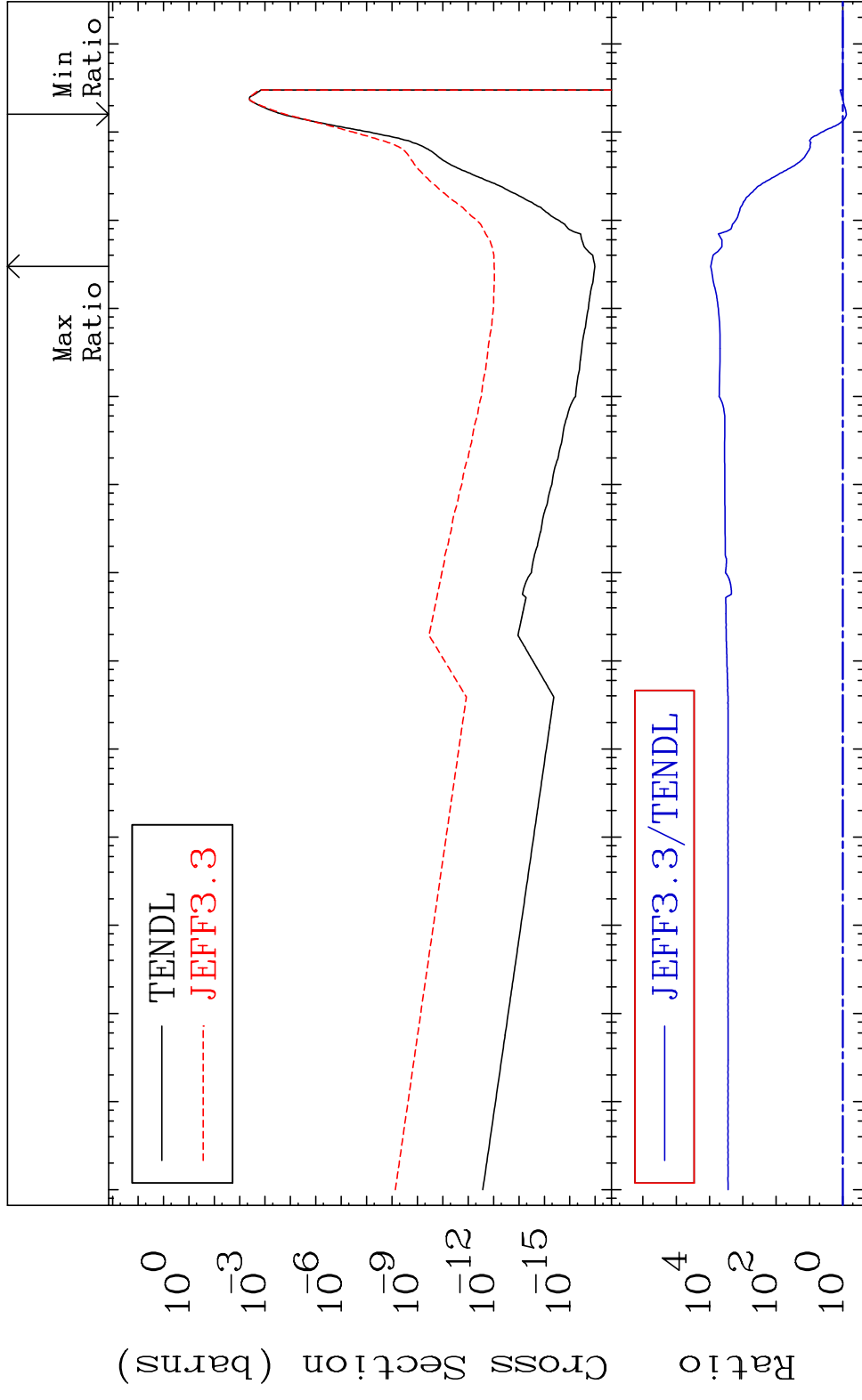
MAT 7652

(n, α)

76-0s-193

Cross Section

-21.76 To 9999. %

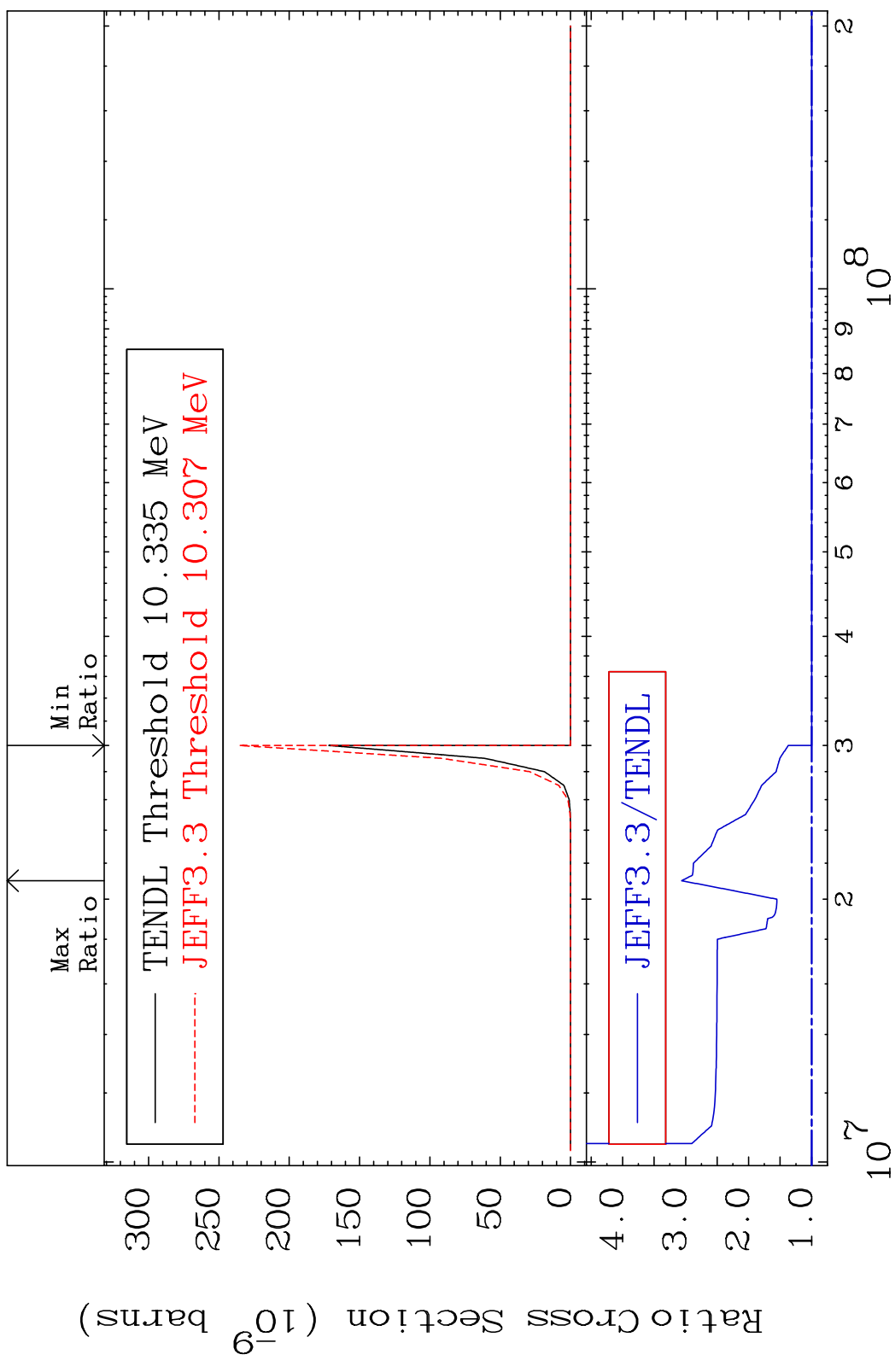


MAT 7652

(n,2p)

76-0s-193

Cross Section 0.000 To 206.4 %



48

Incident Energy (eV)

76-0s-193

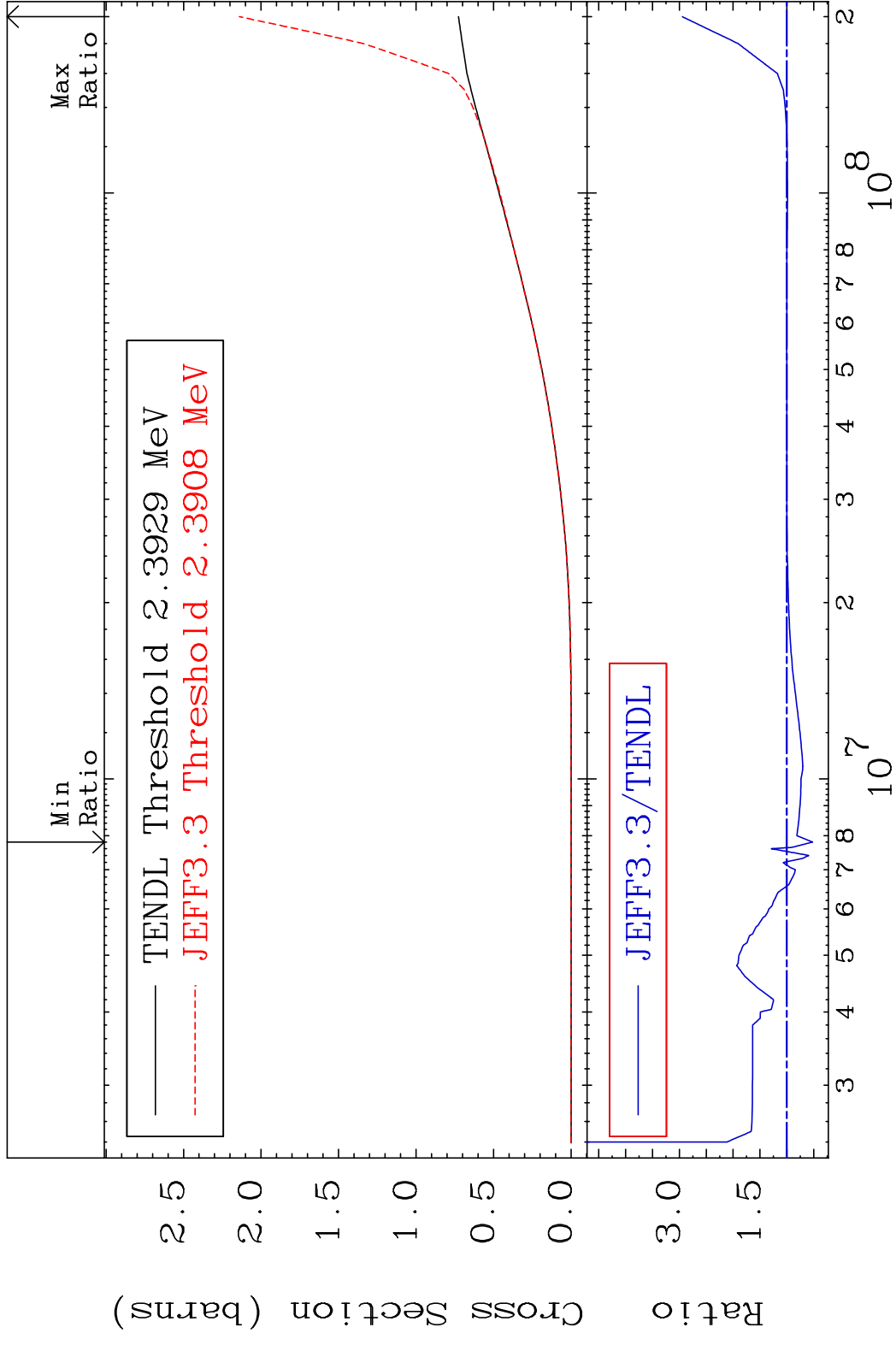
MAT 7652

Hydrogen Production

76-0s-193

Cross Section

-47.77 To 194.4 %



49

Incident Energy (eV)

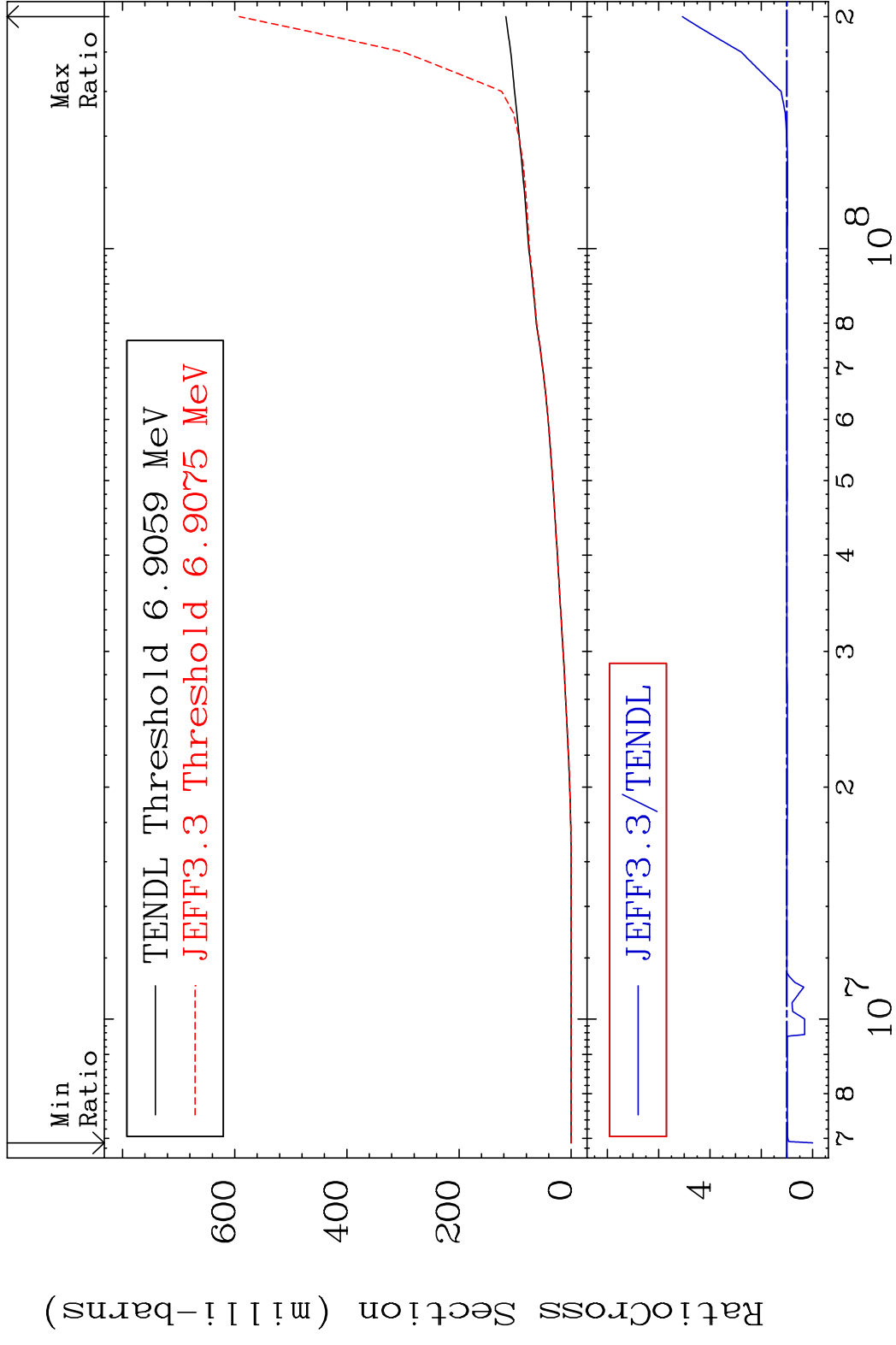
76-0s-193

MAT 7652

Deuterium Production

76-0s-193

Cross Section -100.0 To 407.5 %



50

Incident Energy (eV)

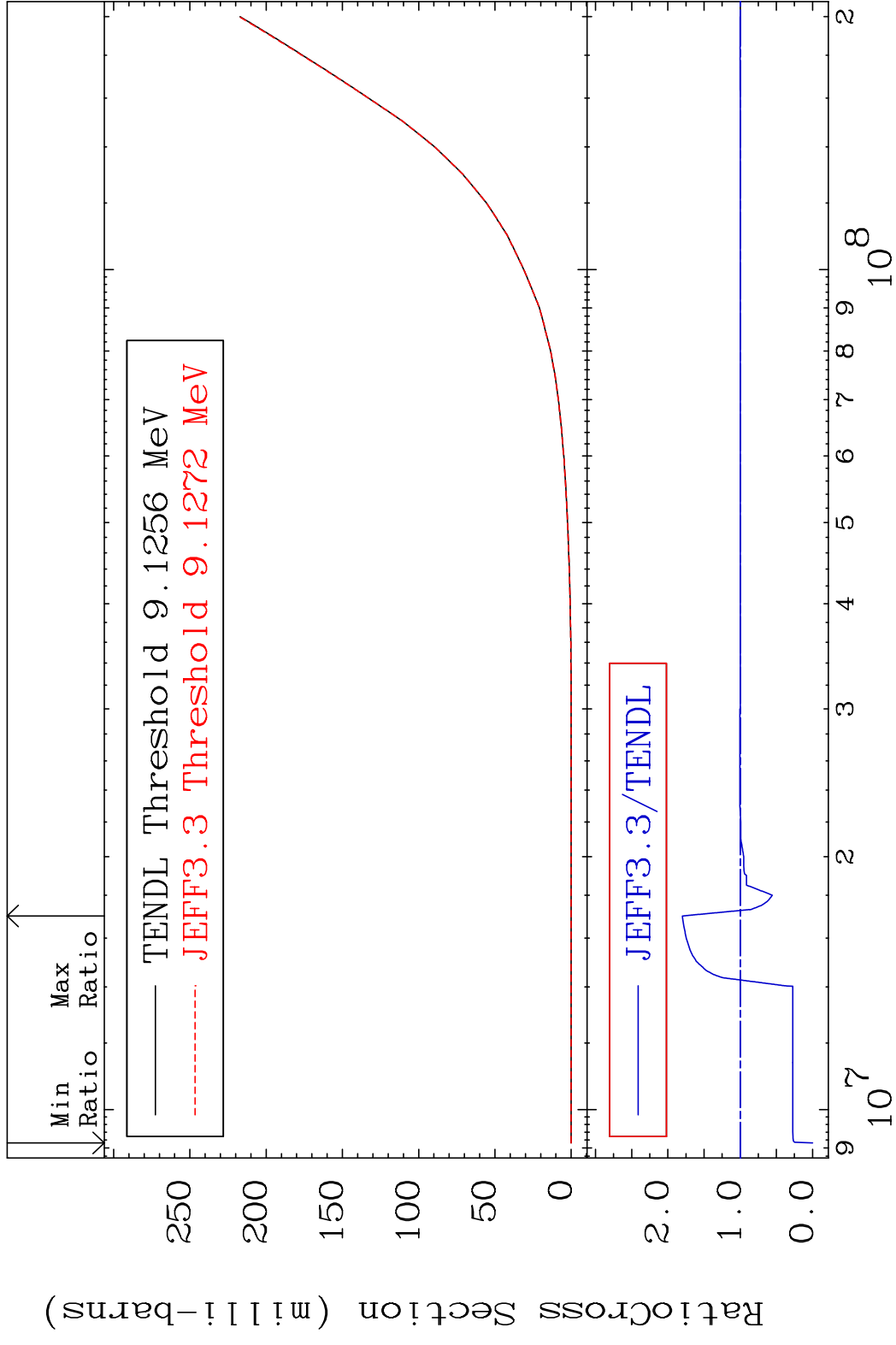
76-0s-193

MAT 7652

He-3 Production

76-0s-193

Cross Section -100.0 To 79.99 %



52

Incident Energy (eV)

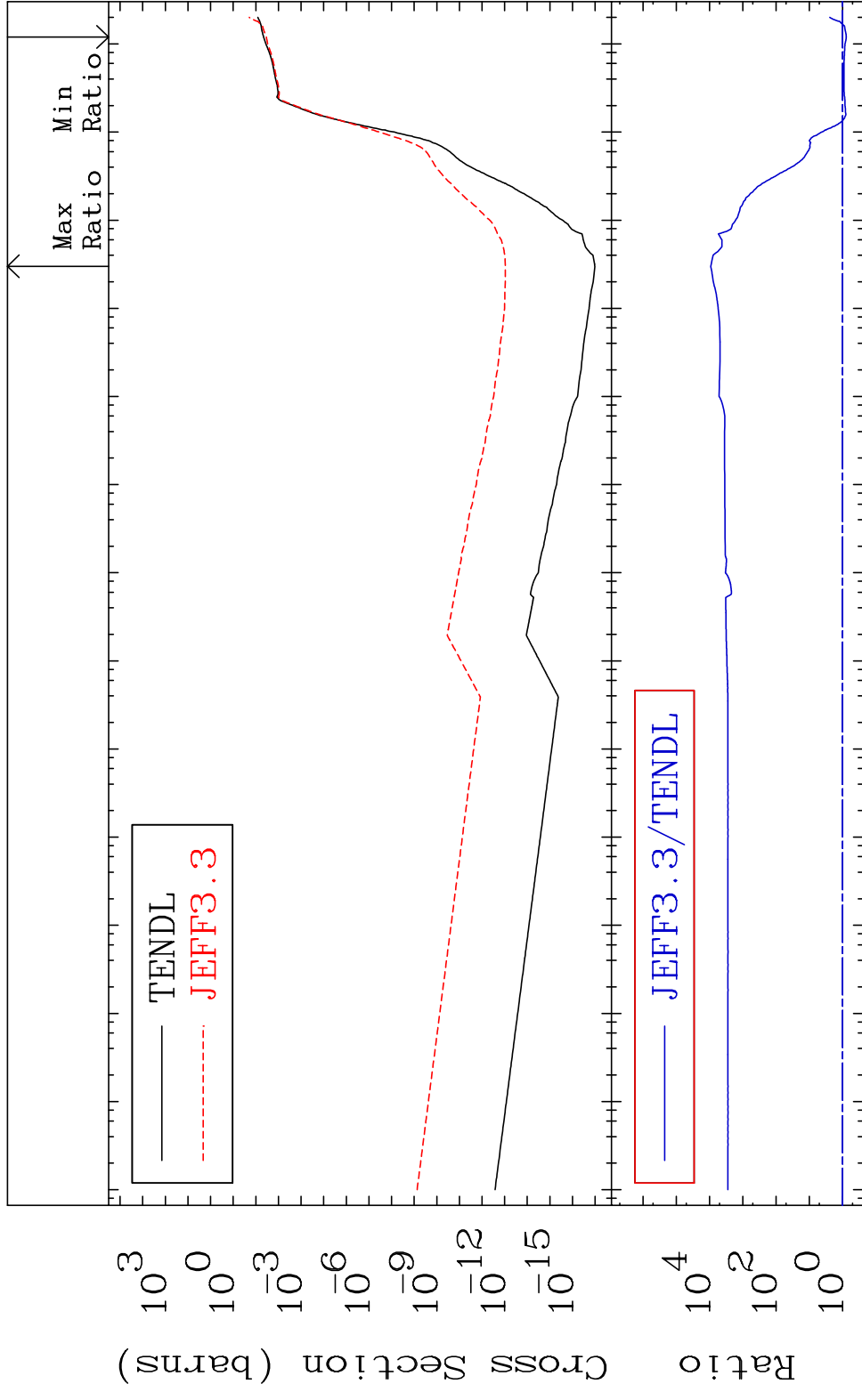
76-0s-193

MAT 7652

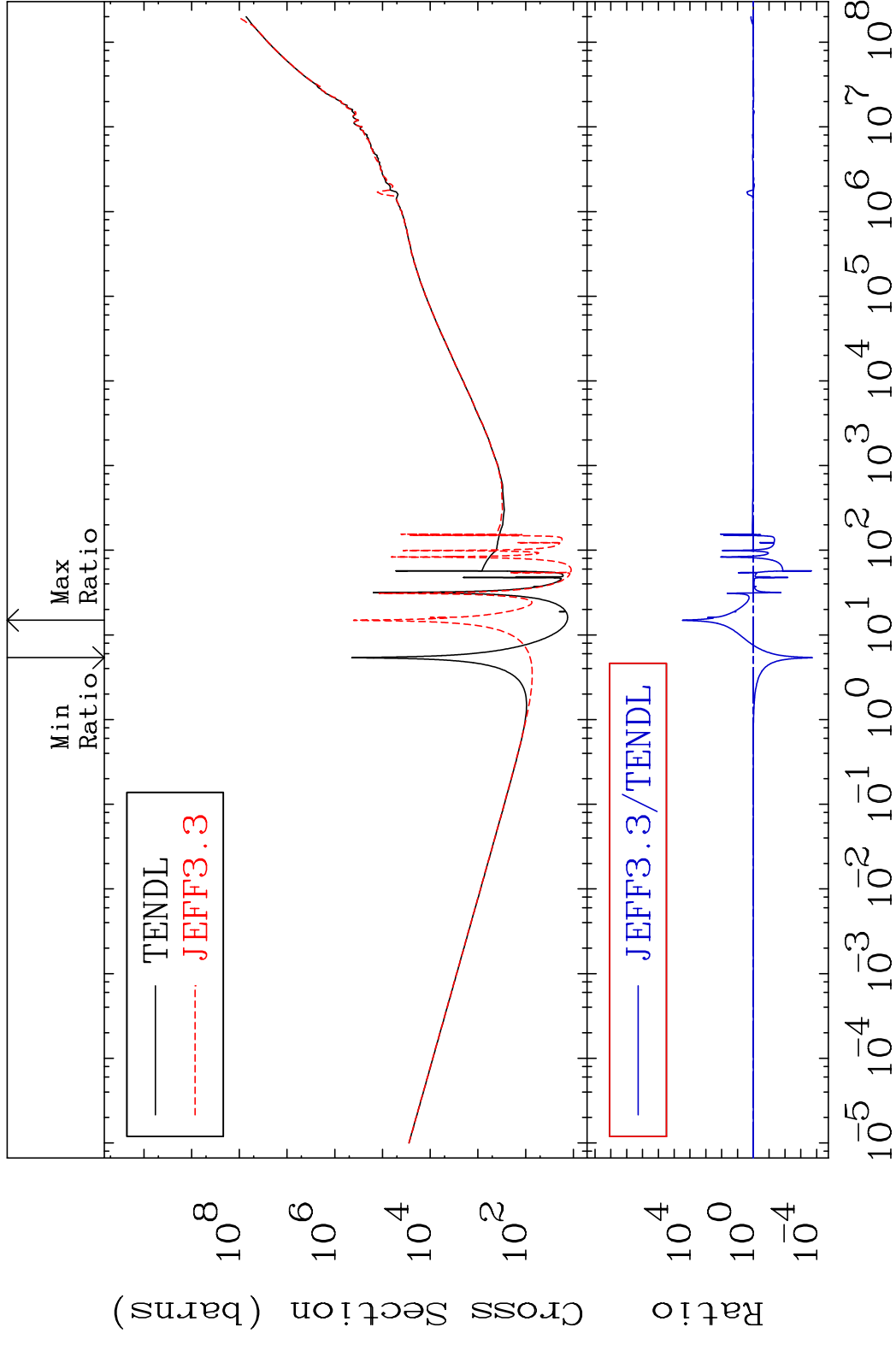
He-4 Production

76-0s-193

Cross Section -23.48 To 9999. %



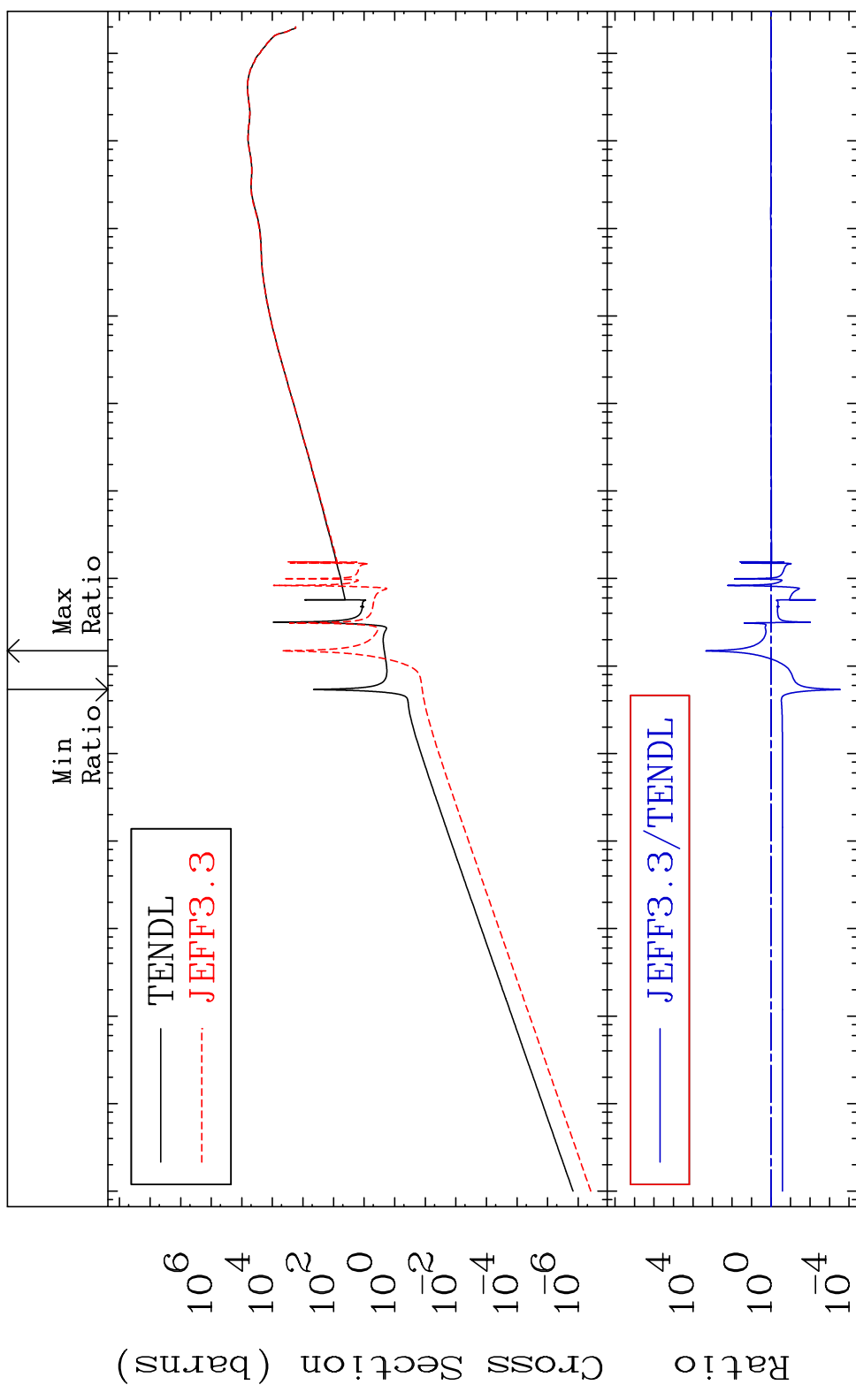
MAT 7652 Kerma total (eV-barns) 76-0s-193
 Cross Section -99.98 To 9999. %



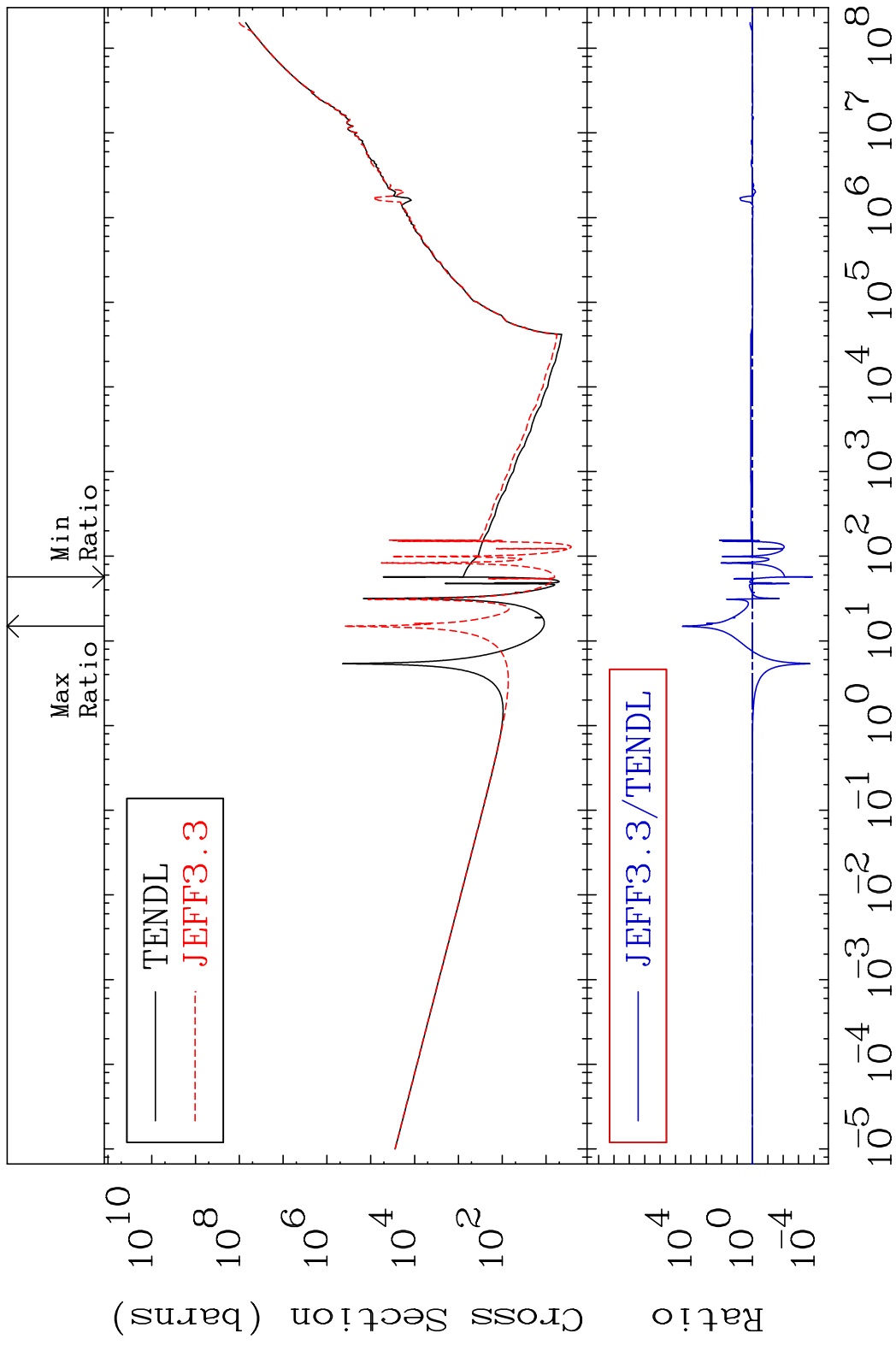
MAT 7652

Kerma elastic Cross Section -99.97 To 9999. %

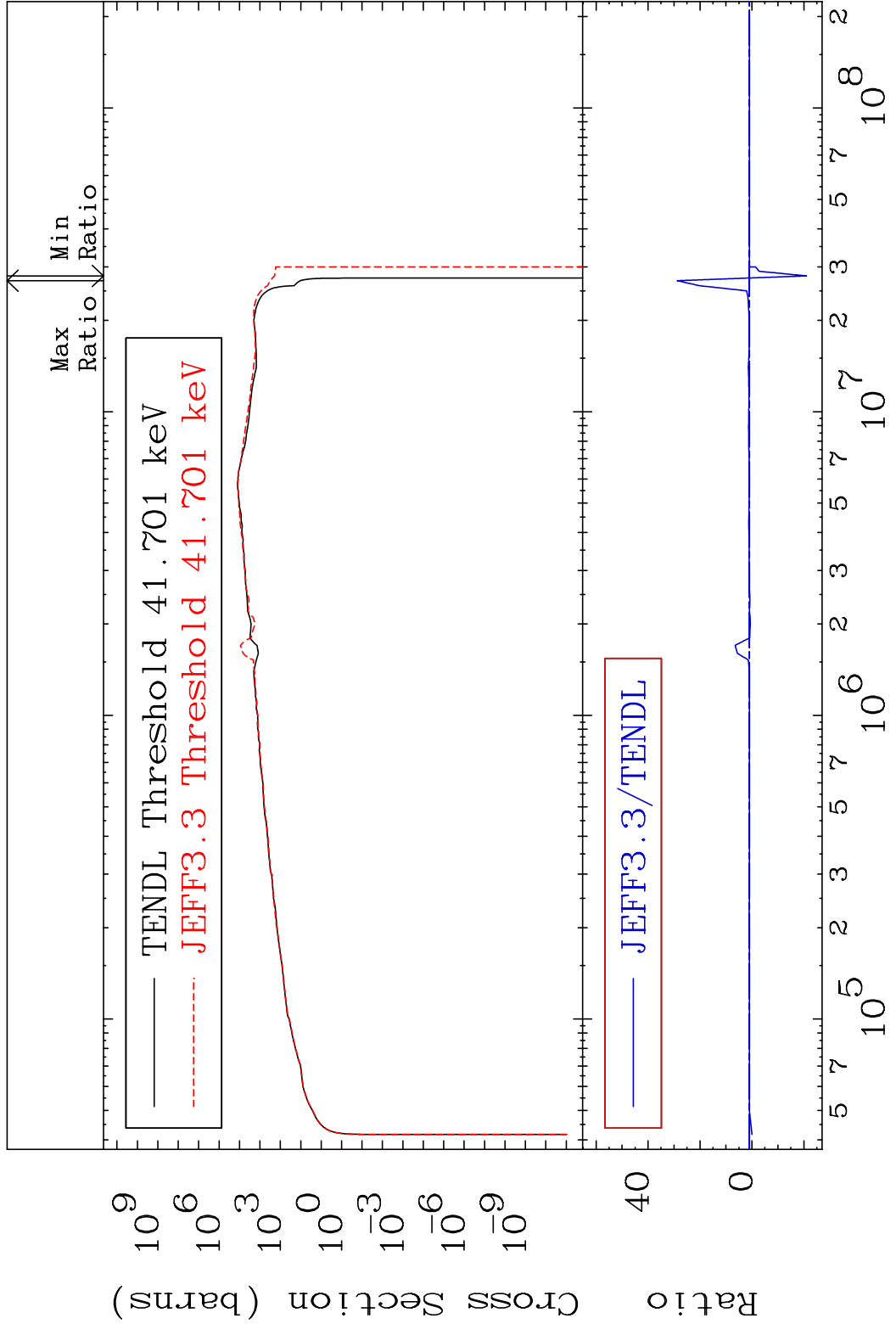
76-0s-193



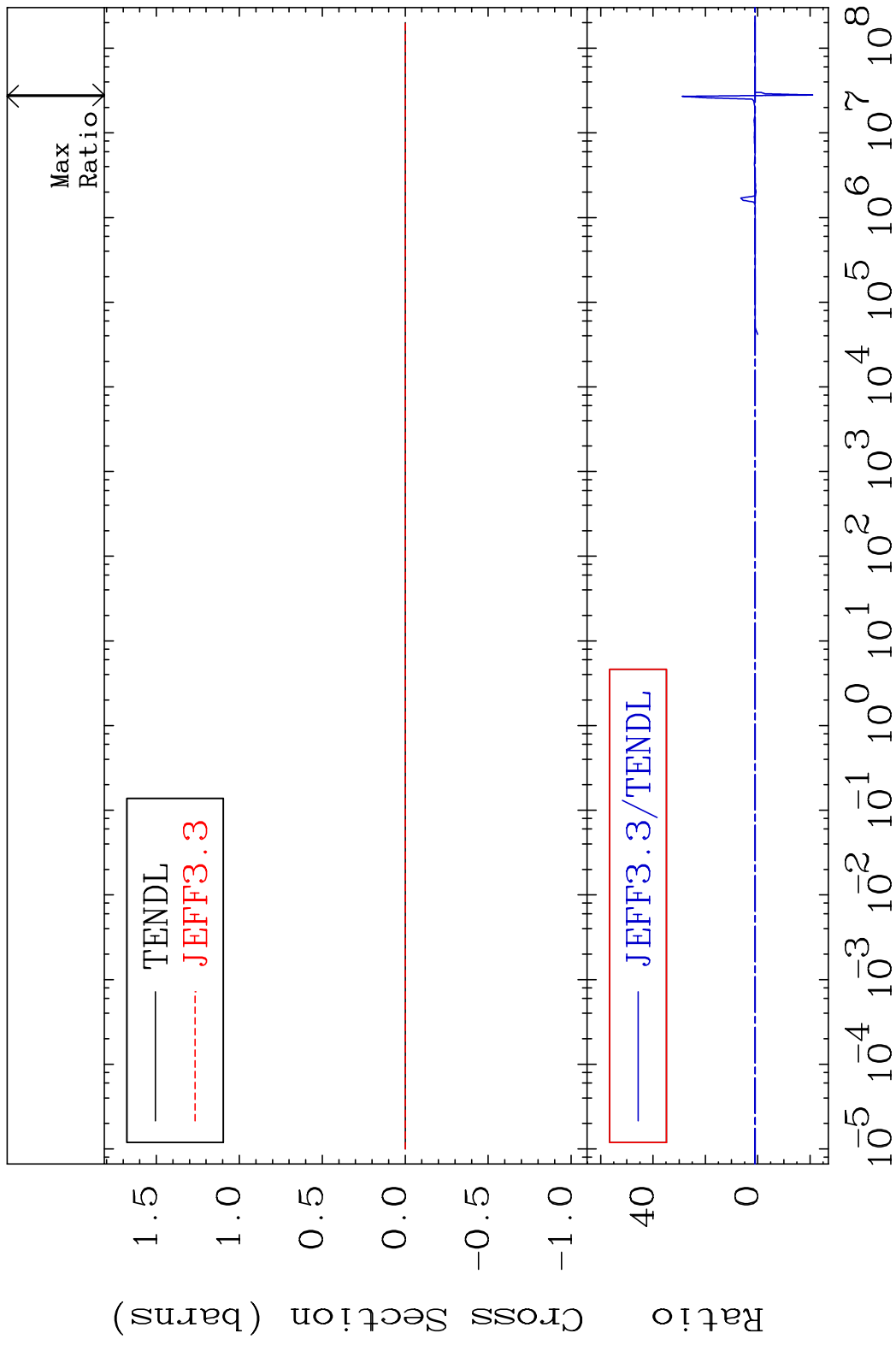
MAT 7652 Kerma non-elastic (all but mt2) 76-Os-193
 Cross Section -99.99 To 9999. %

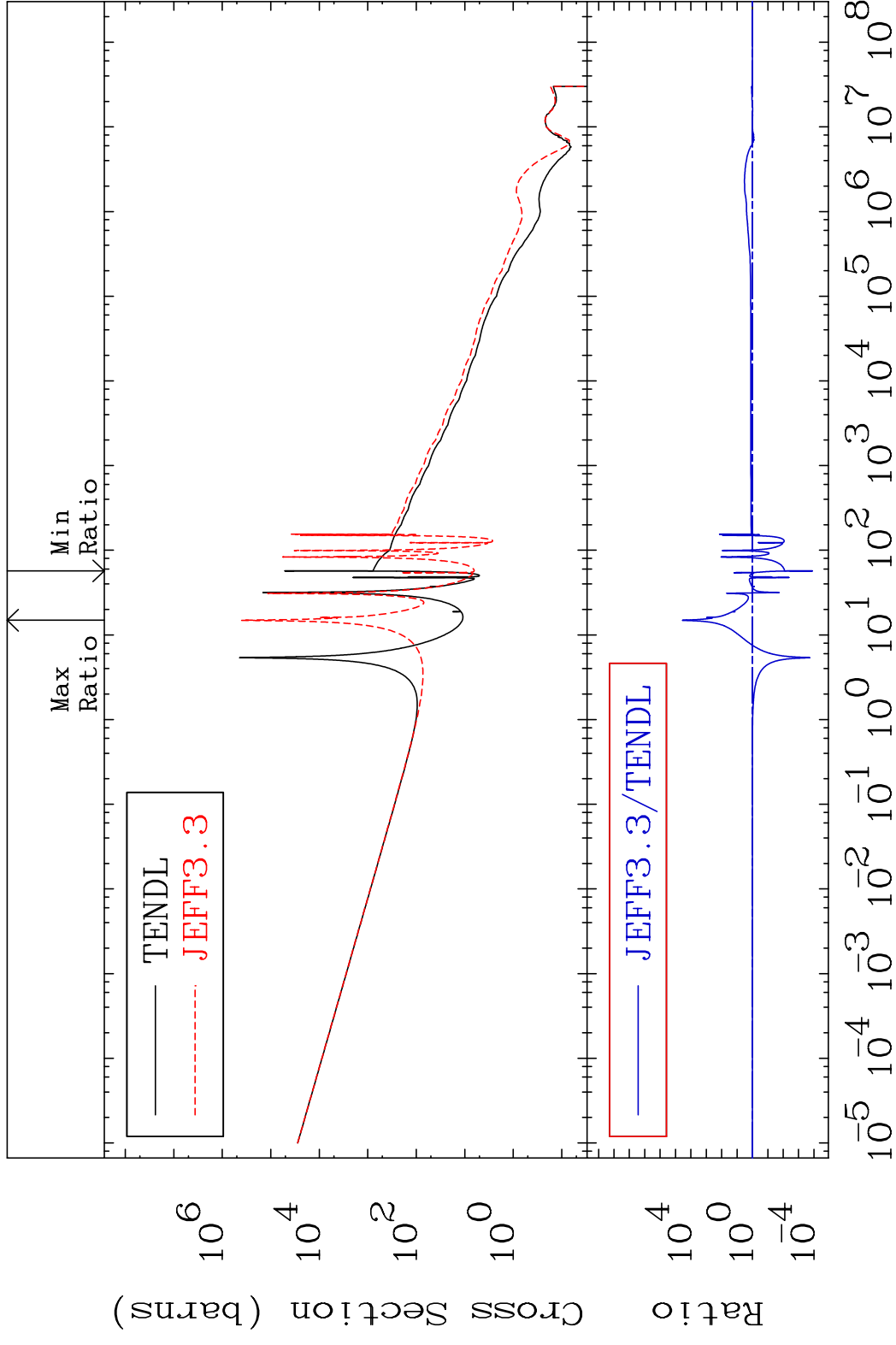


MAT 7652 Kerma inelastic (mt51-91) 76-0s-193
 Cross Section -2198. To 2778. %



MAT 7652 Kerma fission (mt18 or mt19-20-21-38) 76-0s-193
 Cross Section -2198. To 2778. %



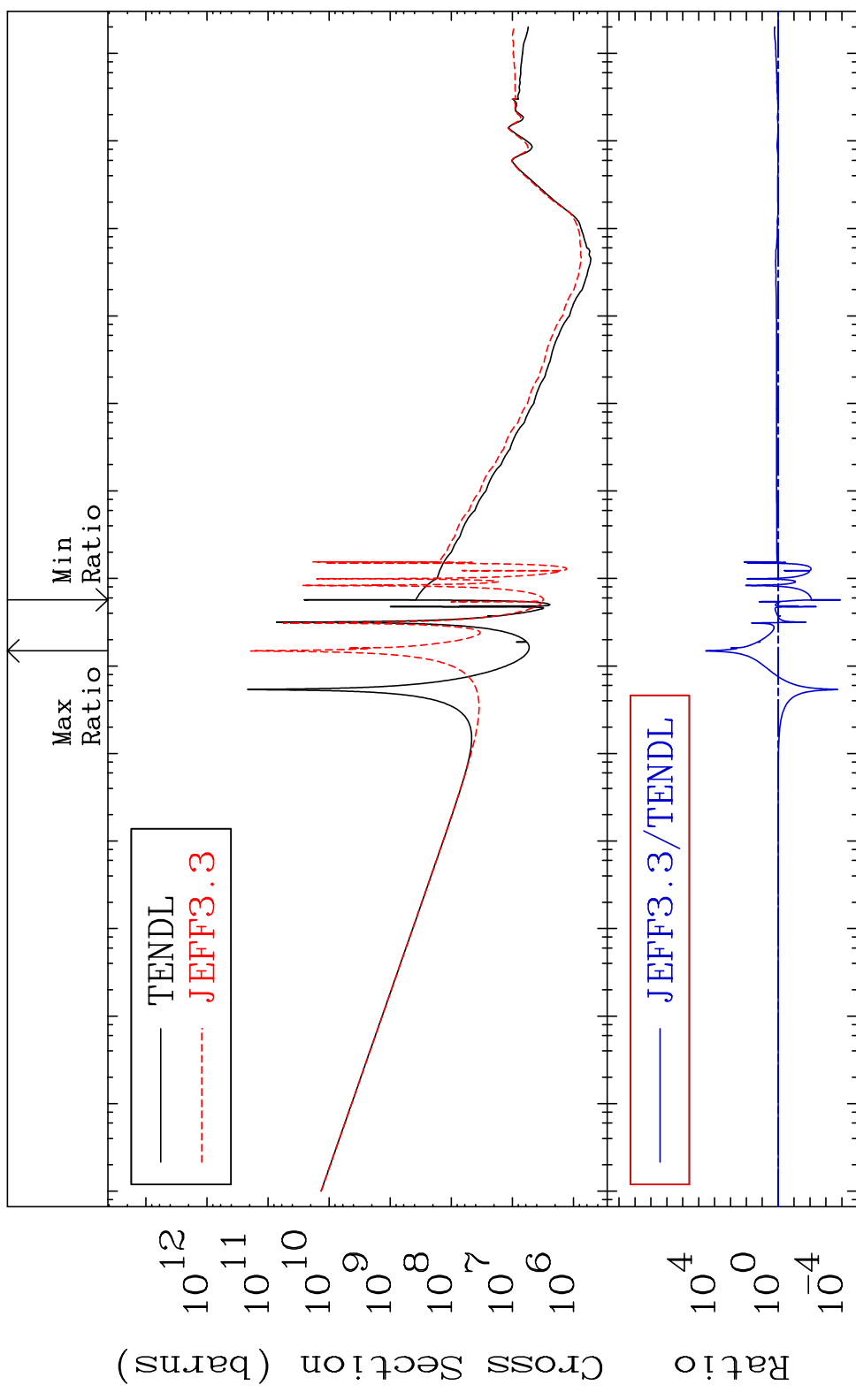


MAT 7652

Total photon (eV-barns)

76-0s-193

Cross Section -99.99 To 9999. %



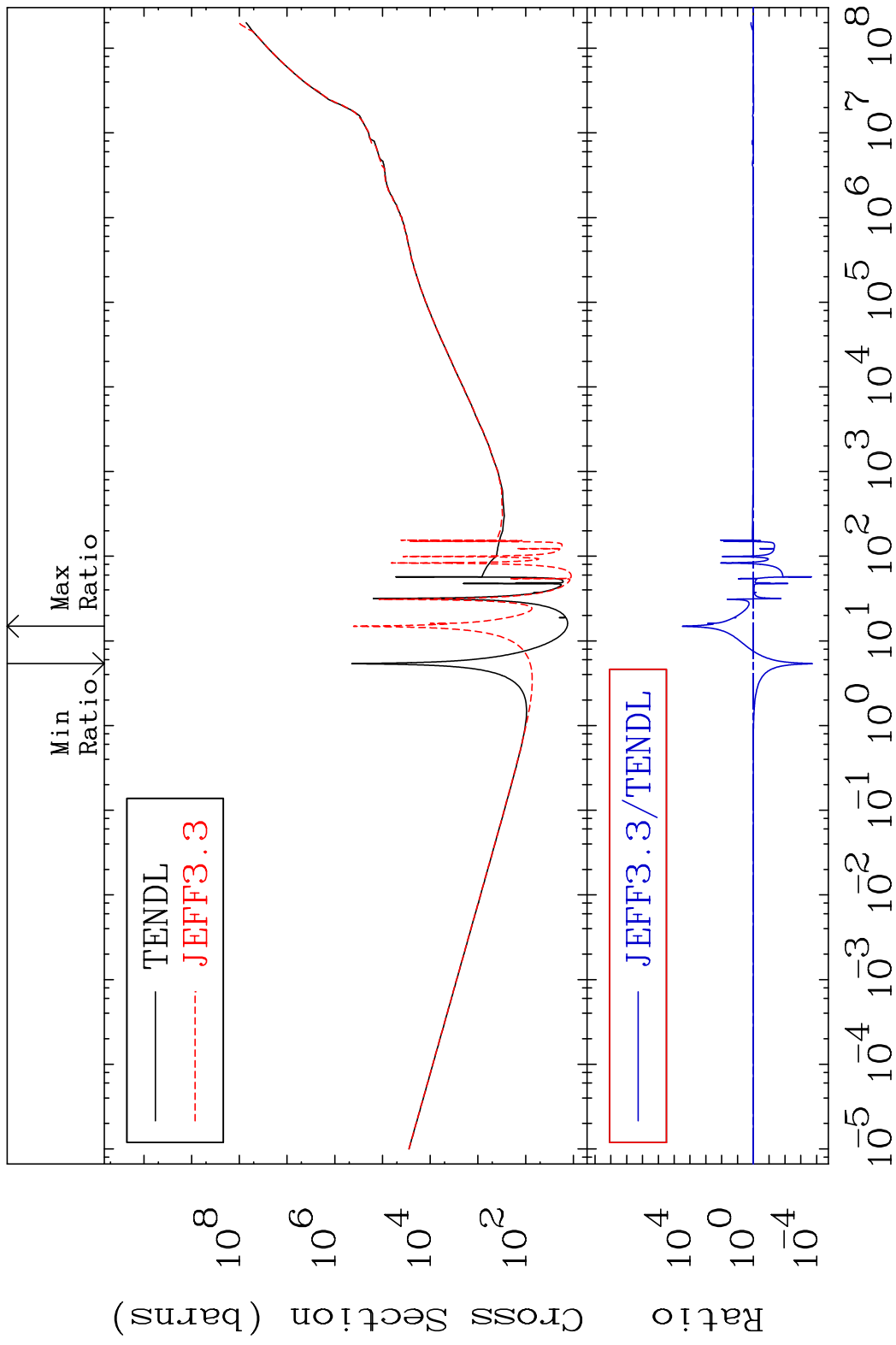
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

60

Incident Energy (eV)

76-0s-193

MAT 7652 Total kinematic kerma (high limit) 76-0s-193
 Cross Section -99.98 To 9999. %

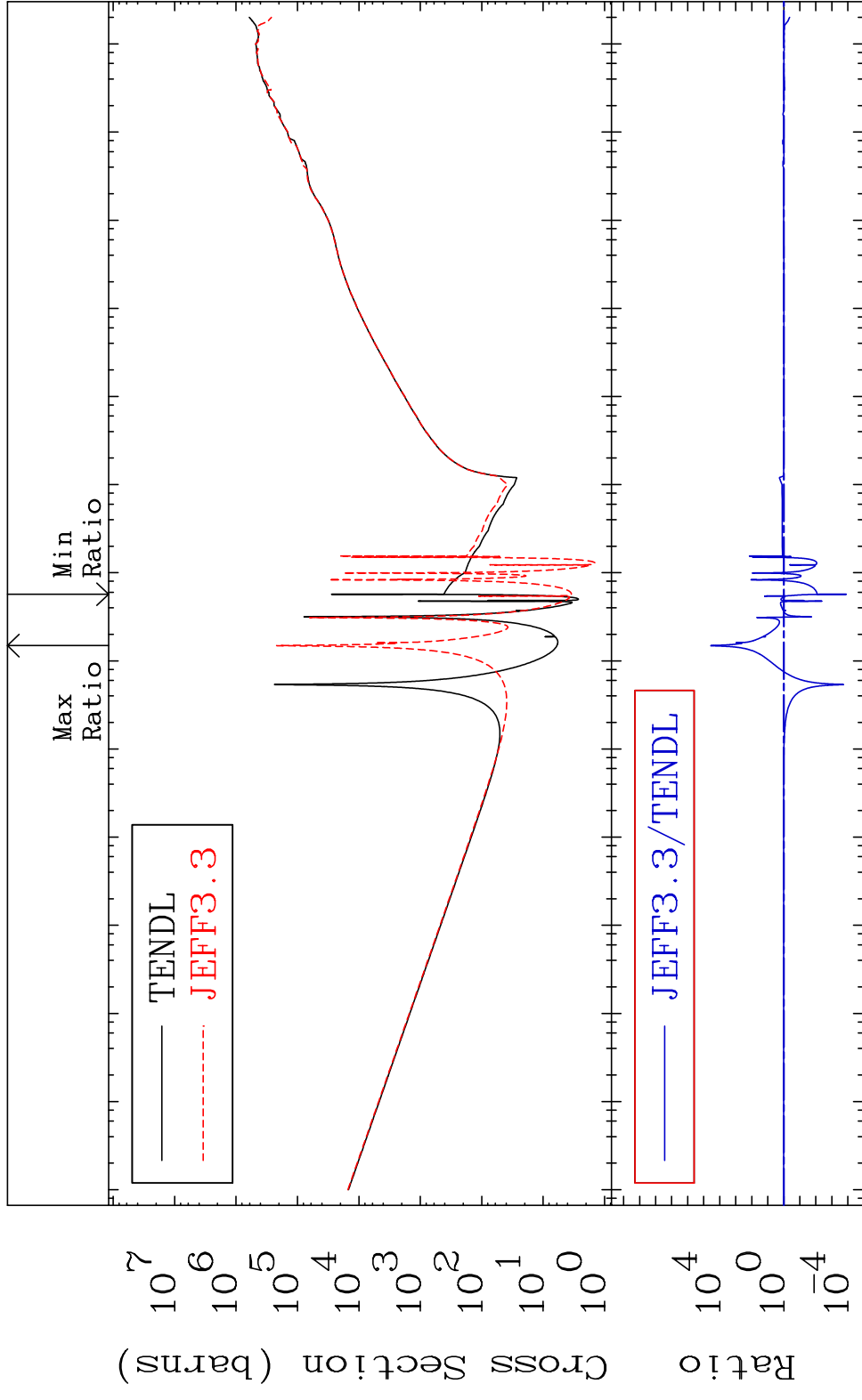


MAT 7652

Dpa total (eV-barns)

76-0s-193

Cross Section -99.99 To 9999. %

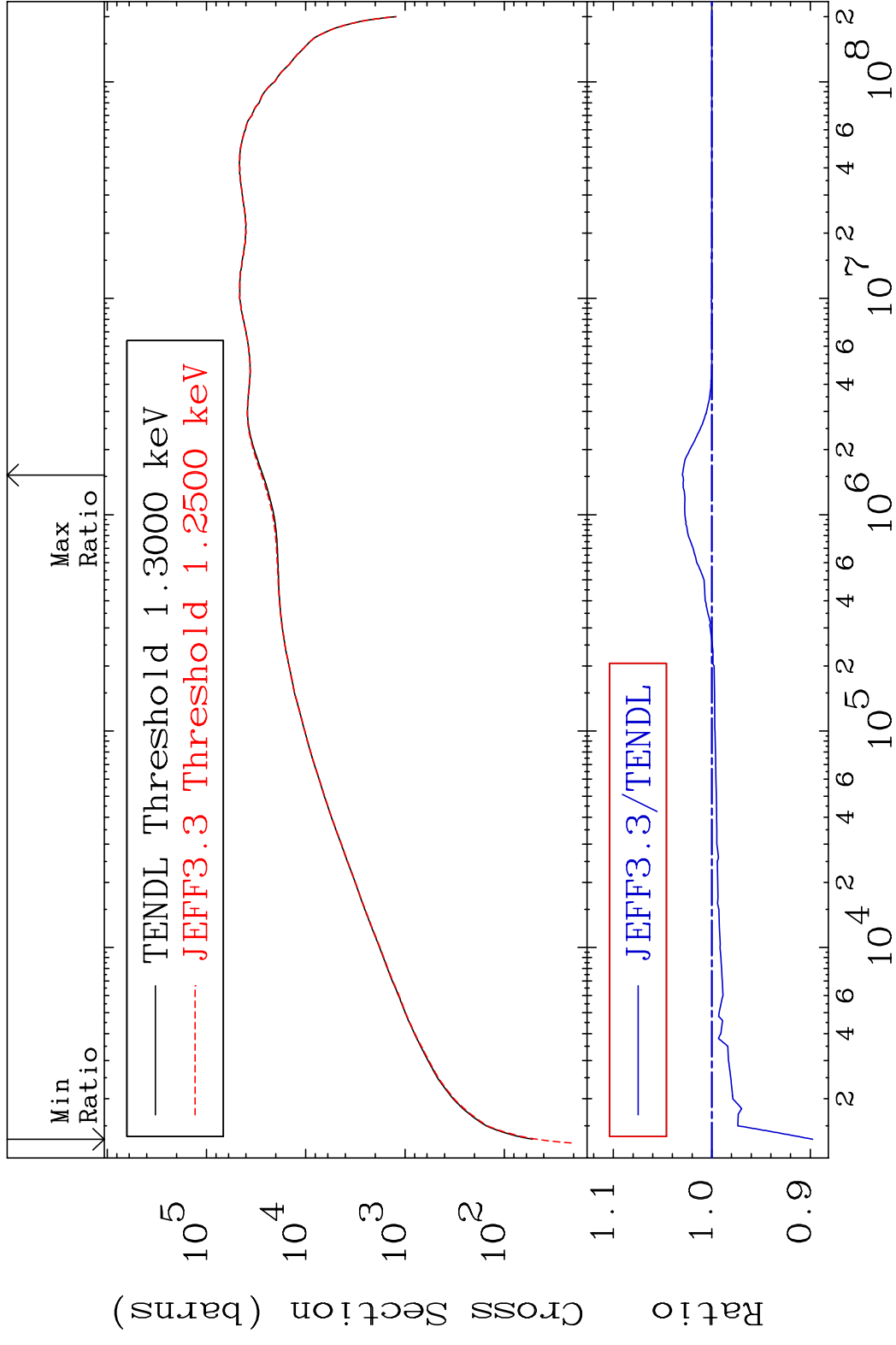


MAT 7652

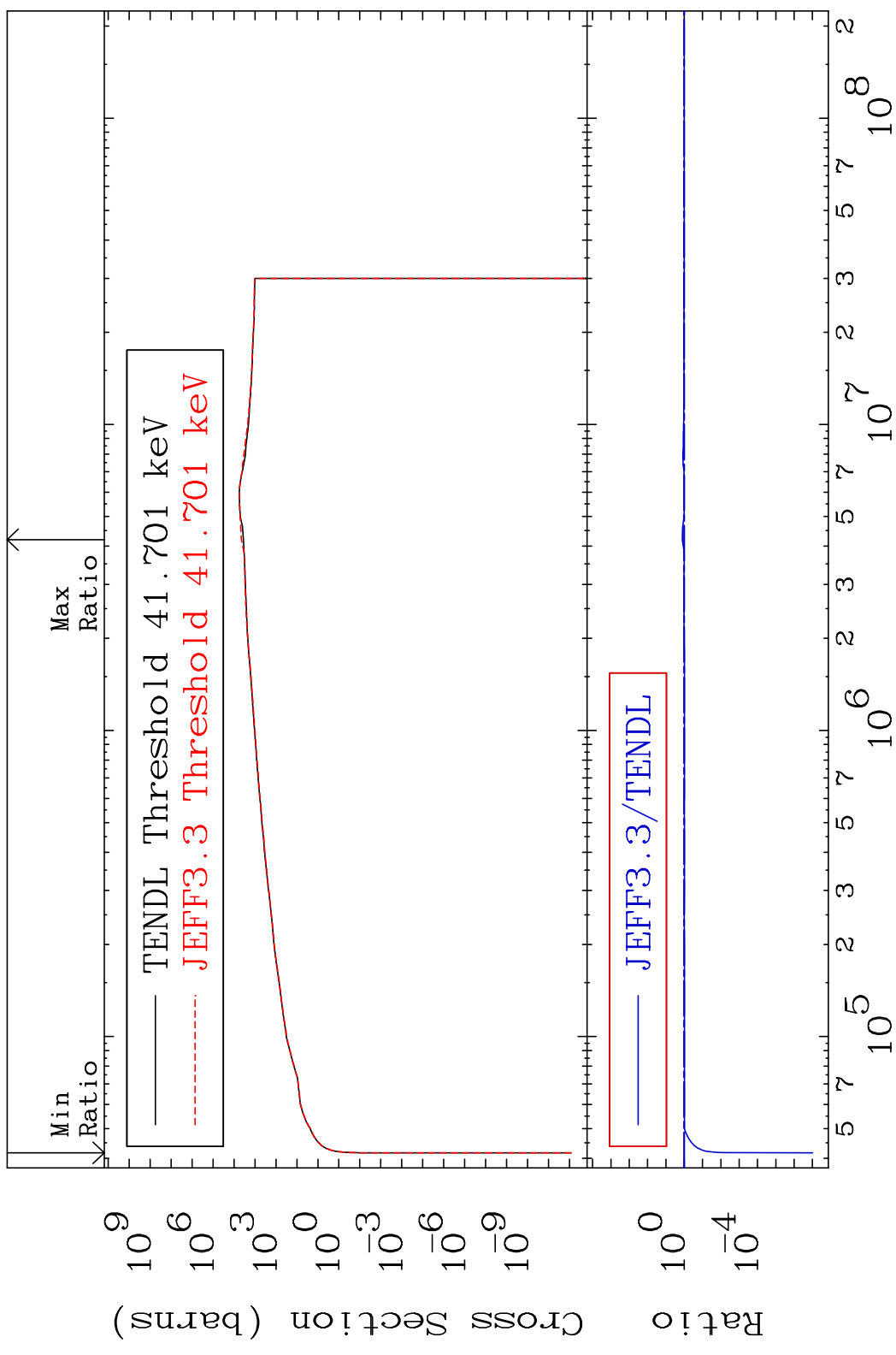
Dpa elastic (mt2)

76-0s-193

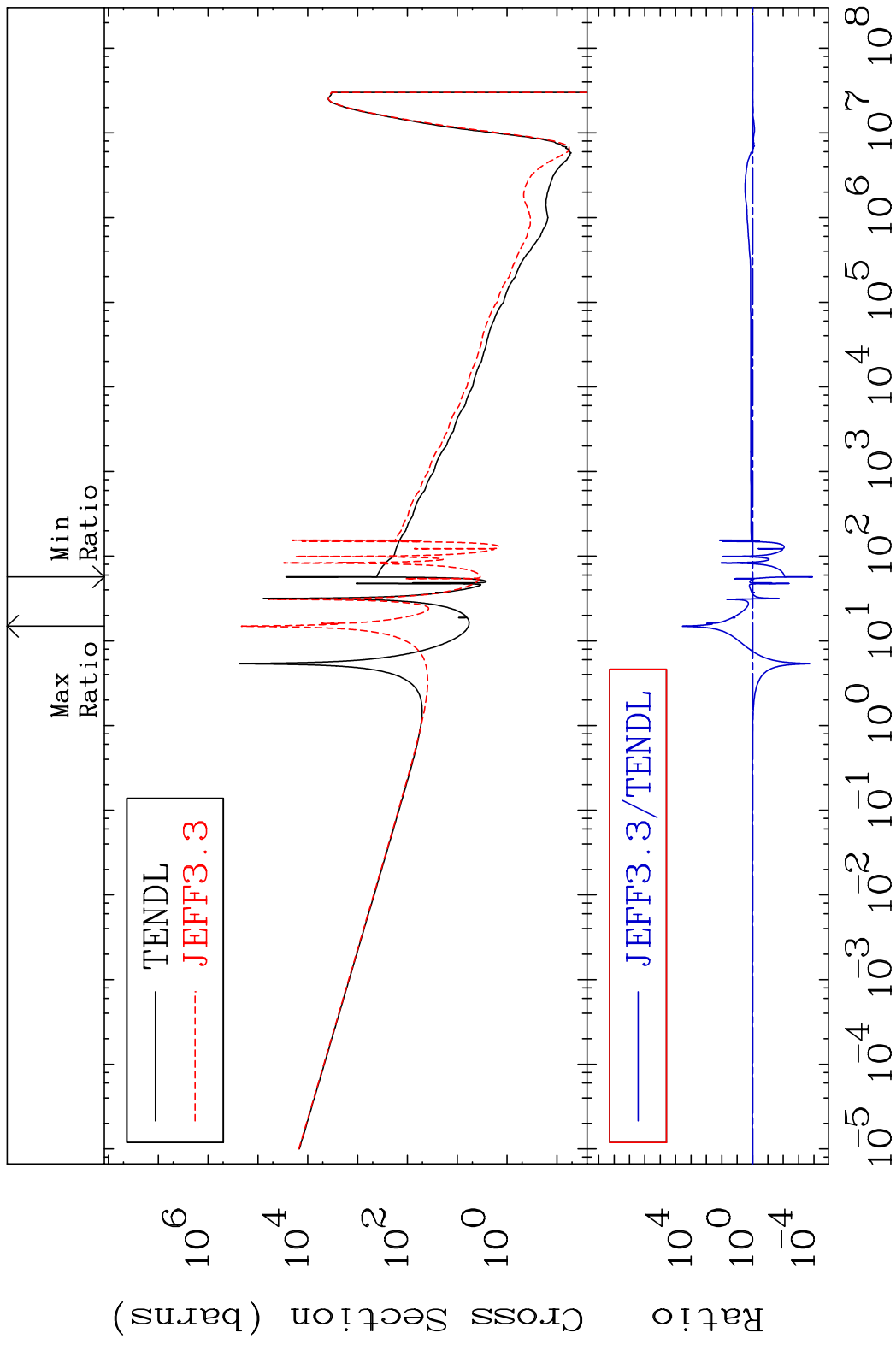
Cross Section -10.23 To 2.993 %



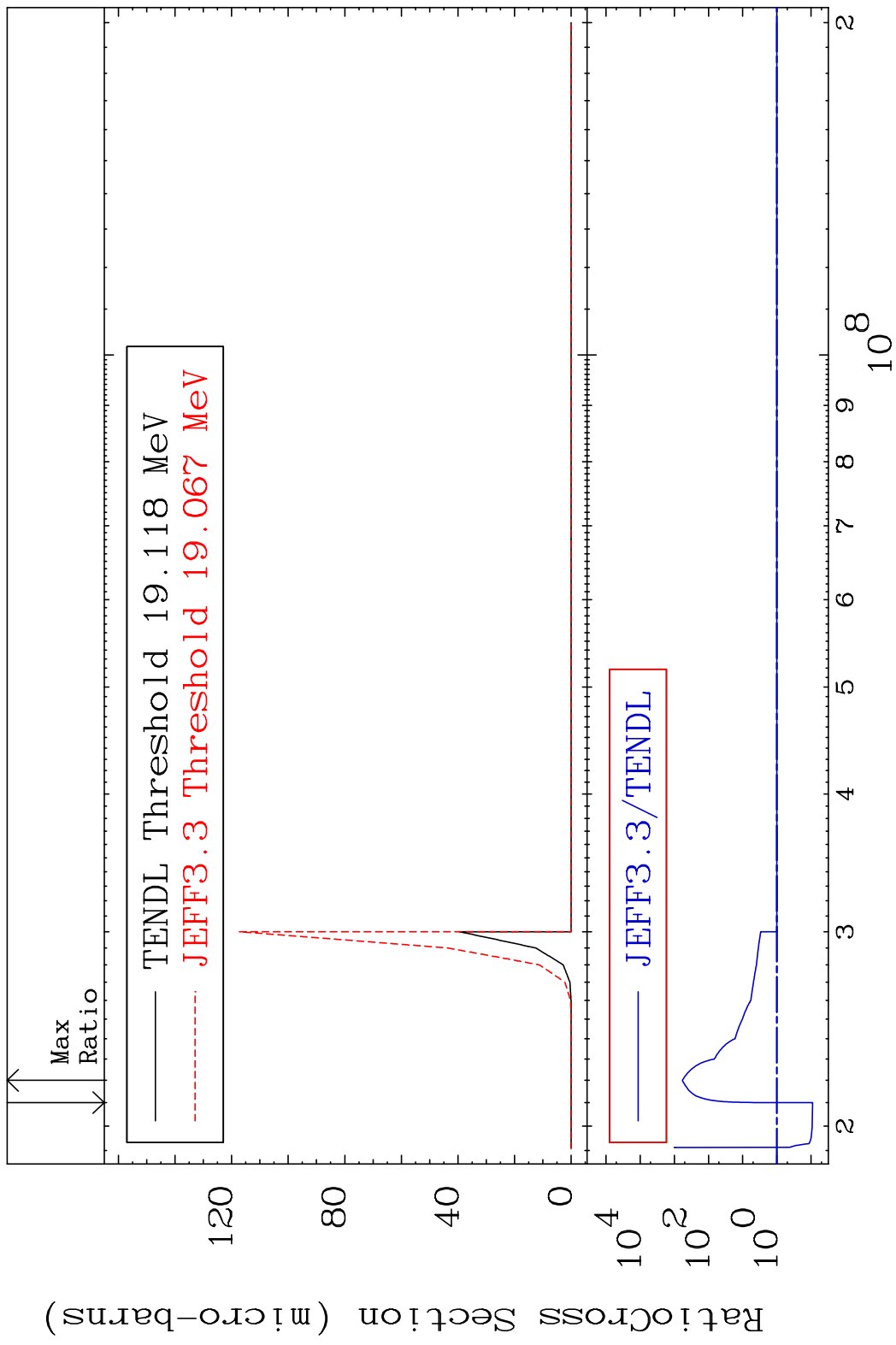
Cross Section -100.0 To 26.12 %

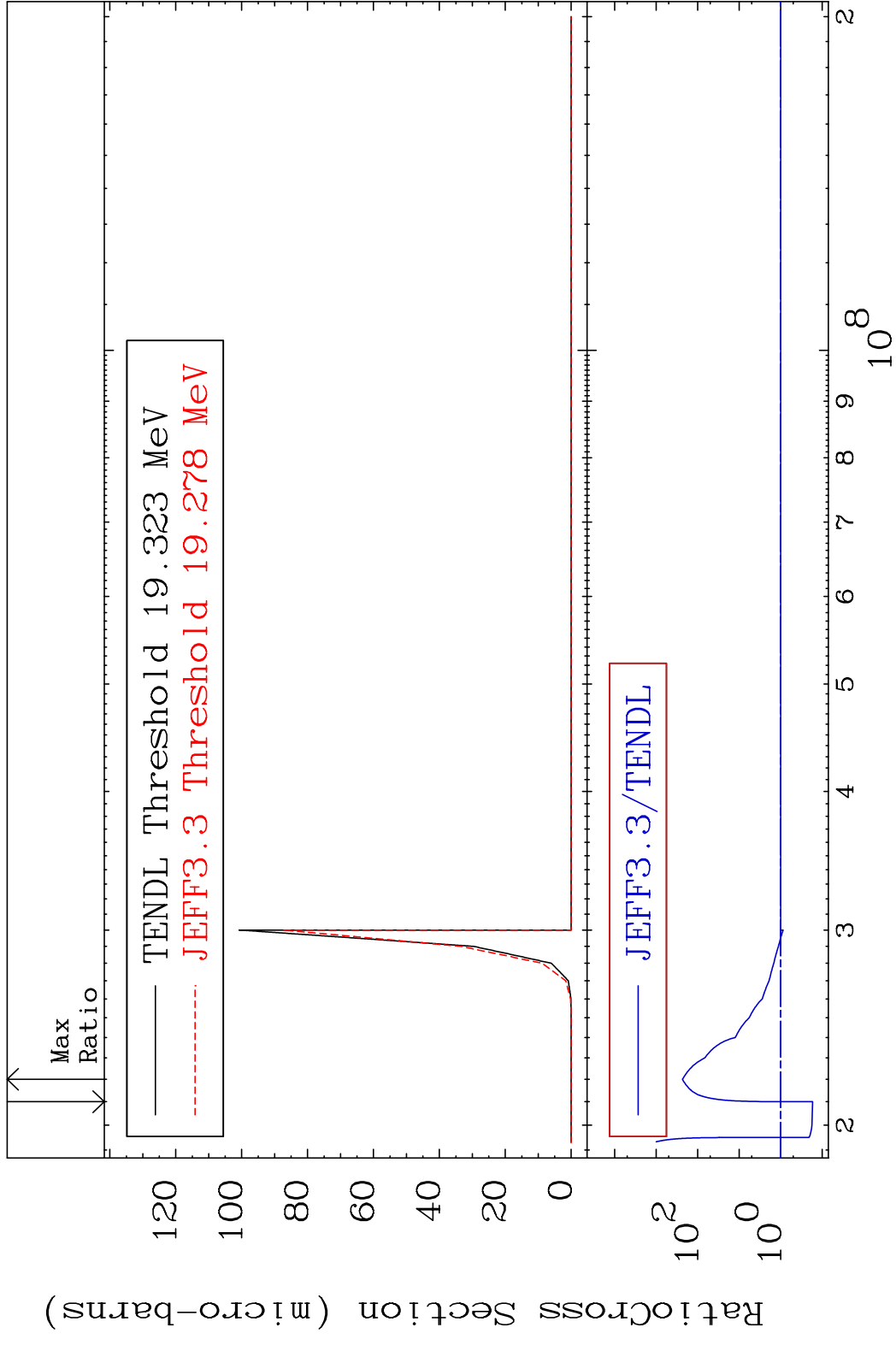


MAT 7652 Dpa disappearance (mt102 -120) 76-0s-193
 Cross Section -99.99 To 9999. %

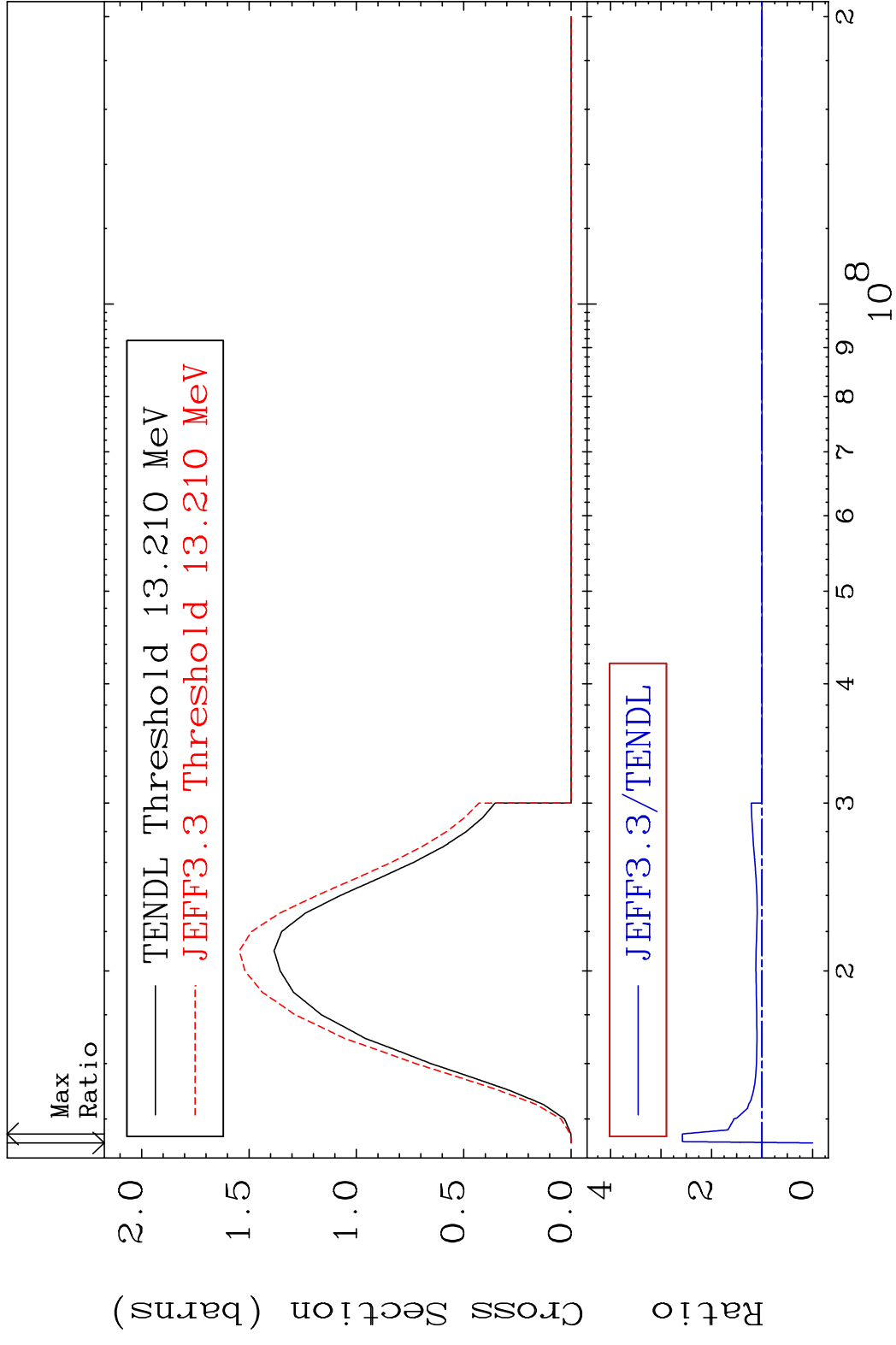


65 Incident Energy (eV) 76-0s-193

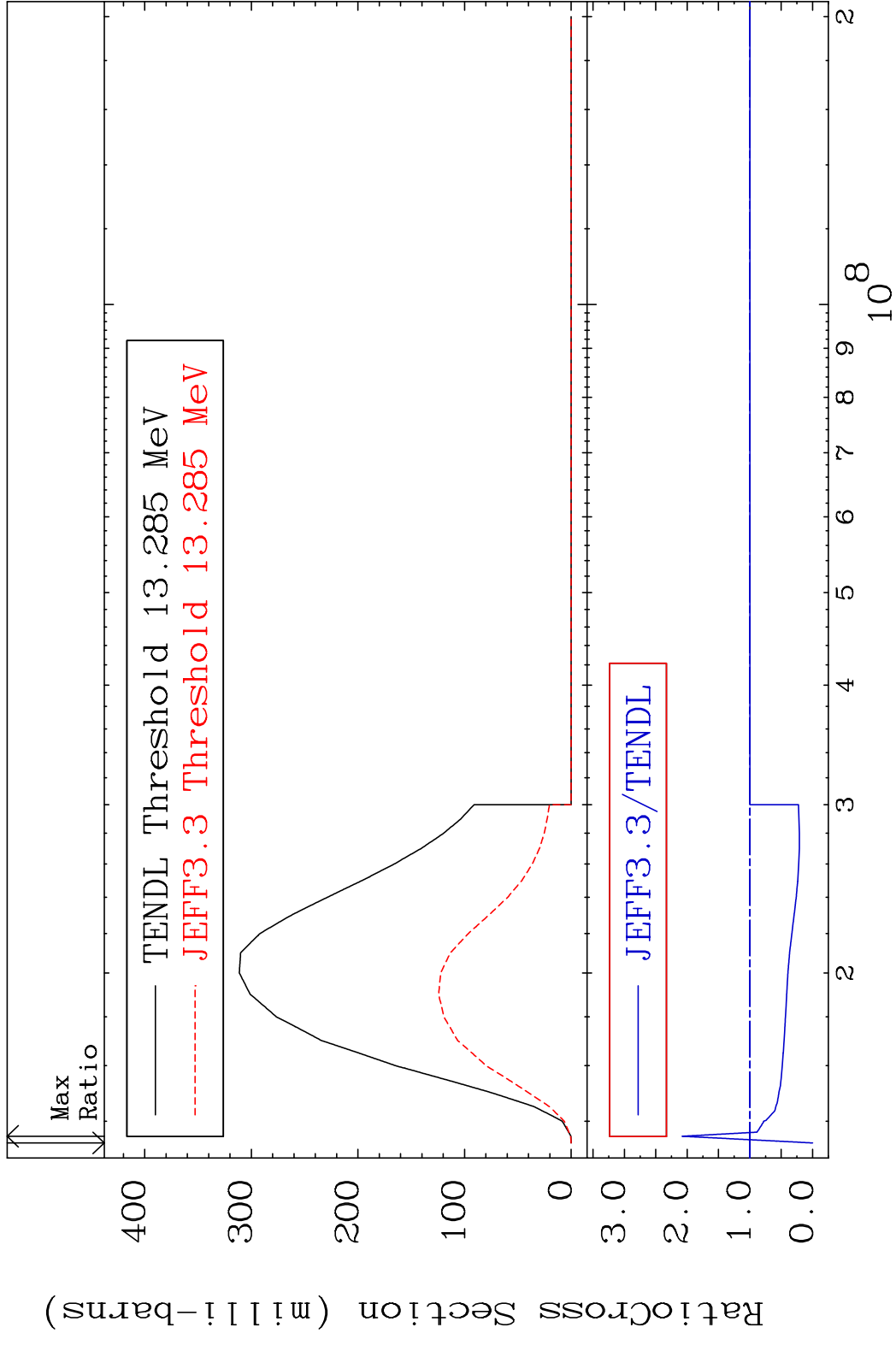


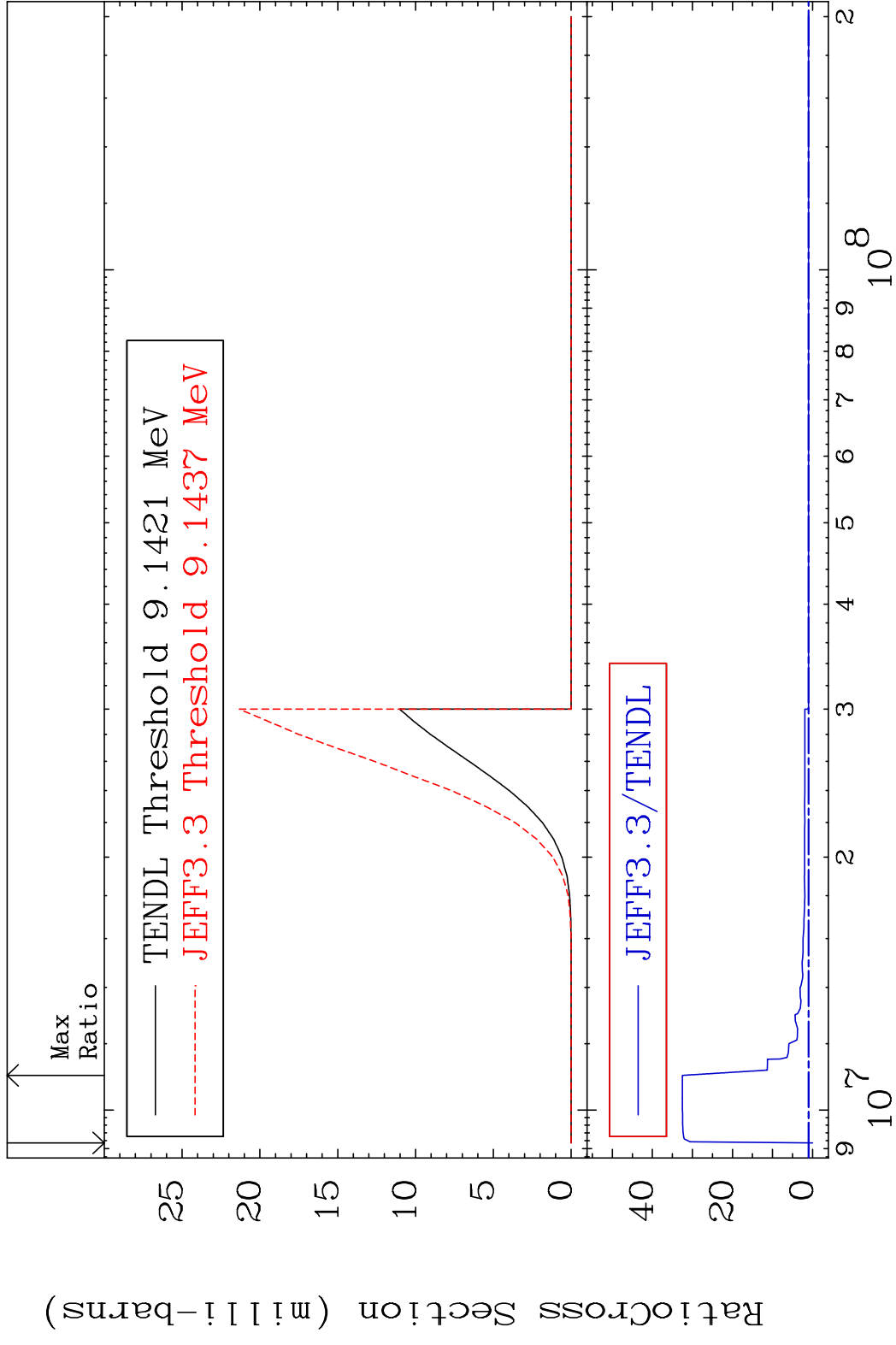


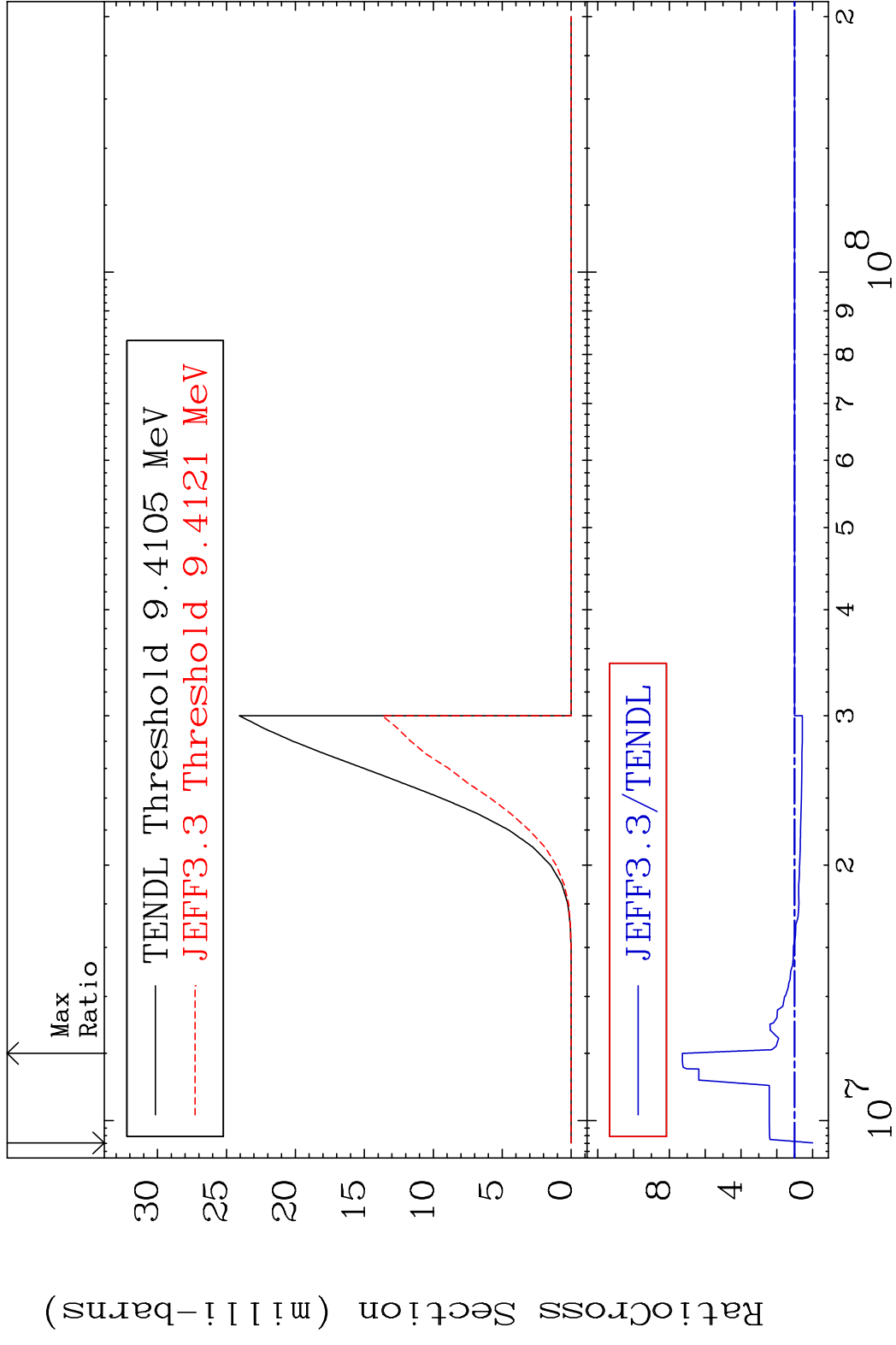
MAT 7652 (n,3n):76-Os-191g 76-Os-193
 Radionuclide Production Cross Section Ratio 157.7 %

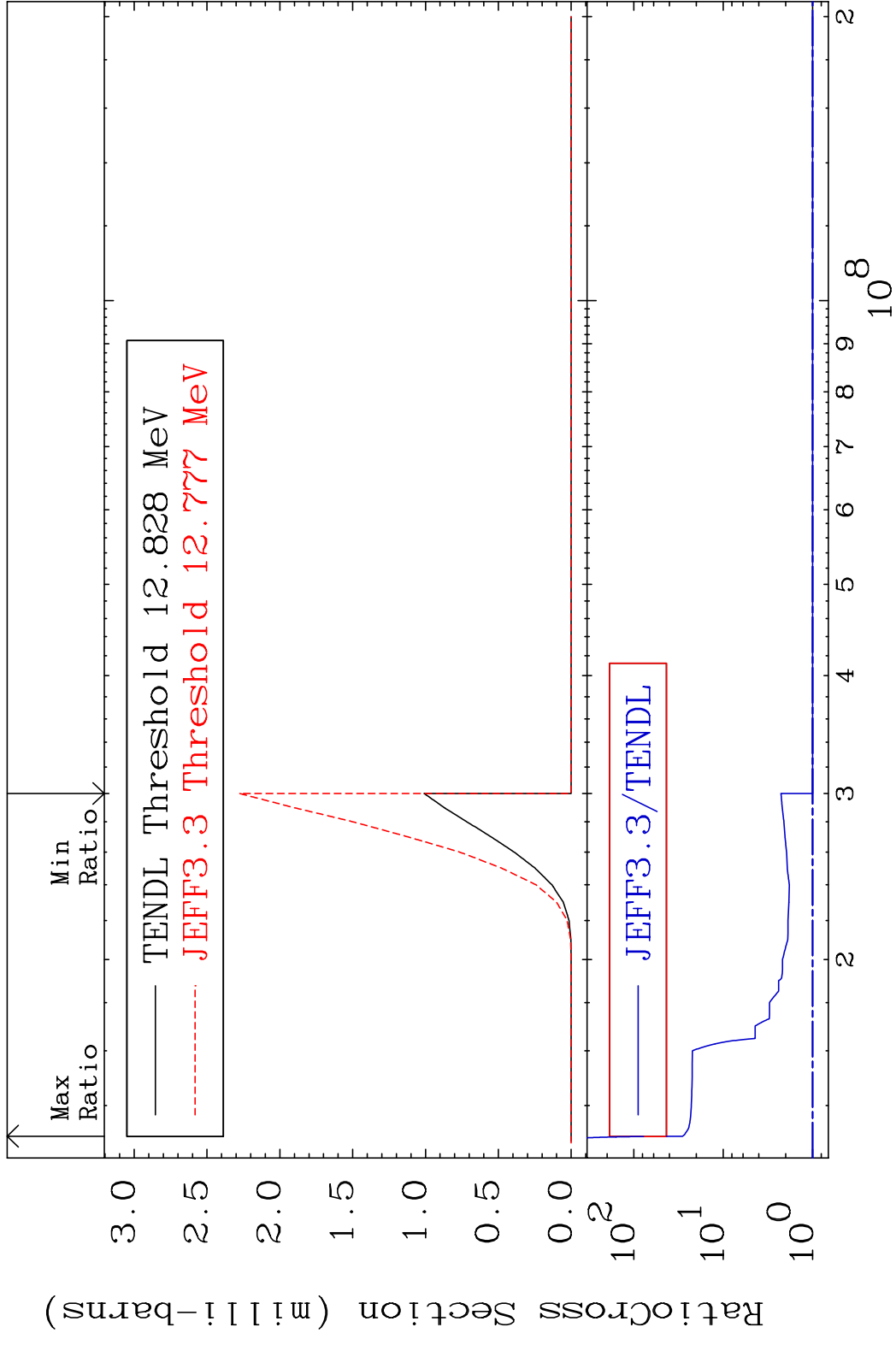


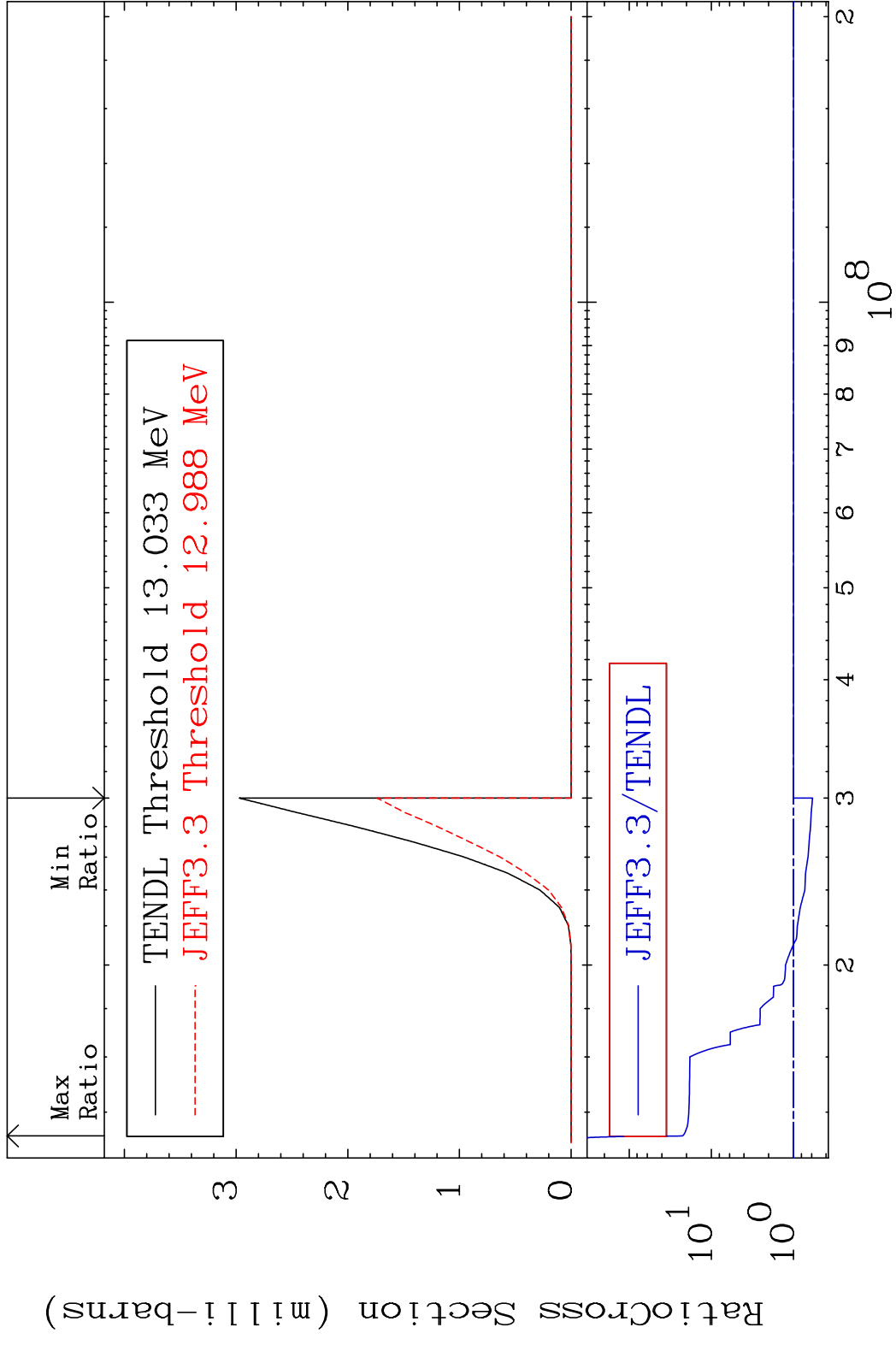
MAT 7652 (n, 3n): 76-0s-191m1 76-0s-193
 Radionuclide Production Cross Section 100.0% 107.6 %

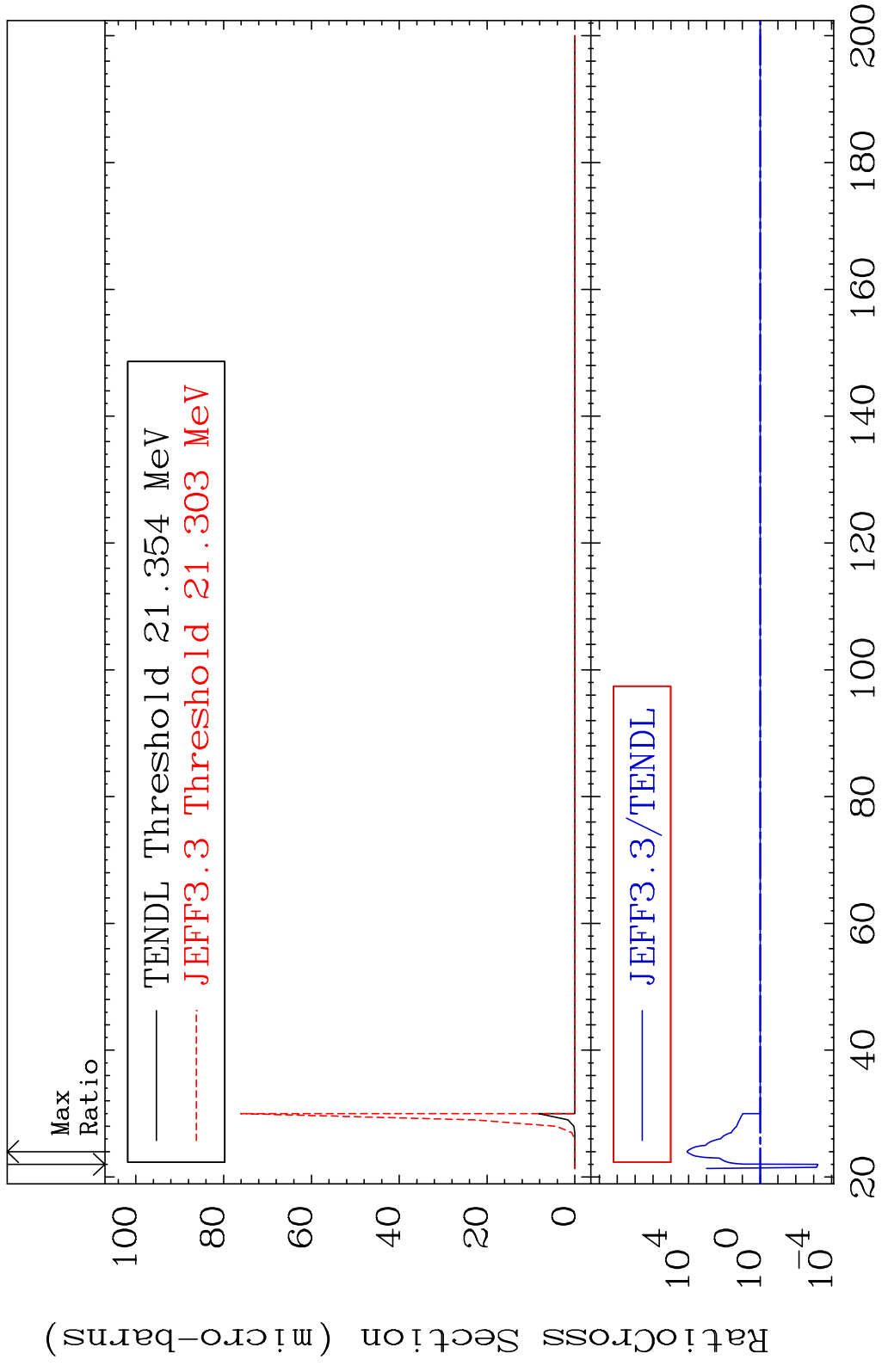


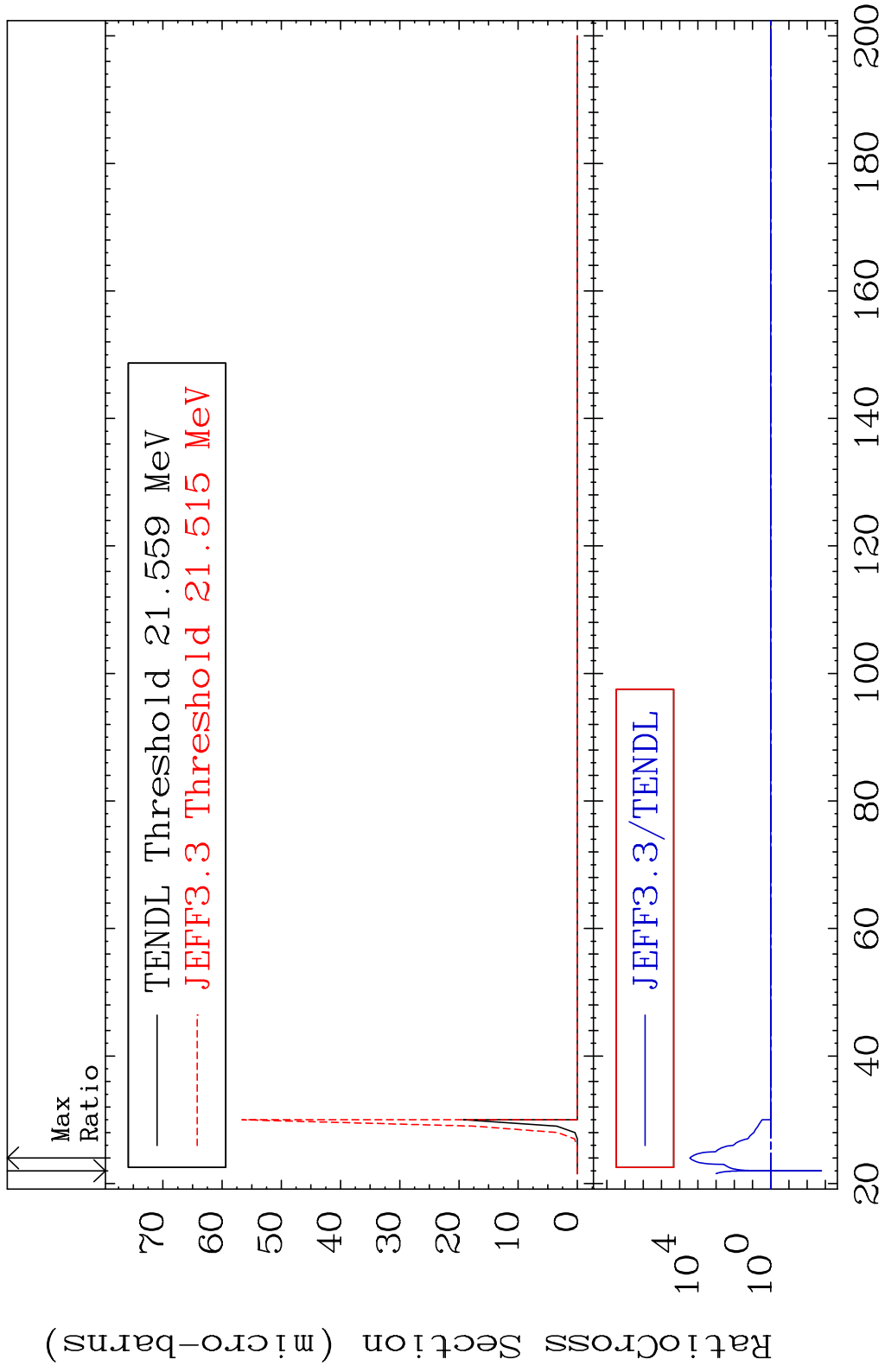


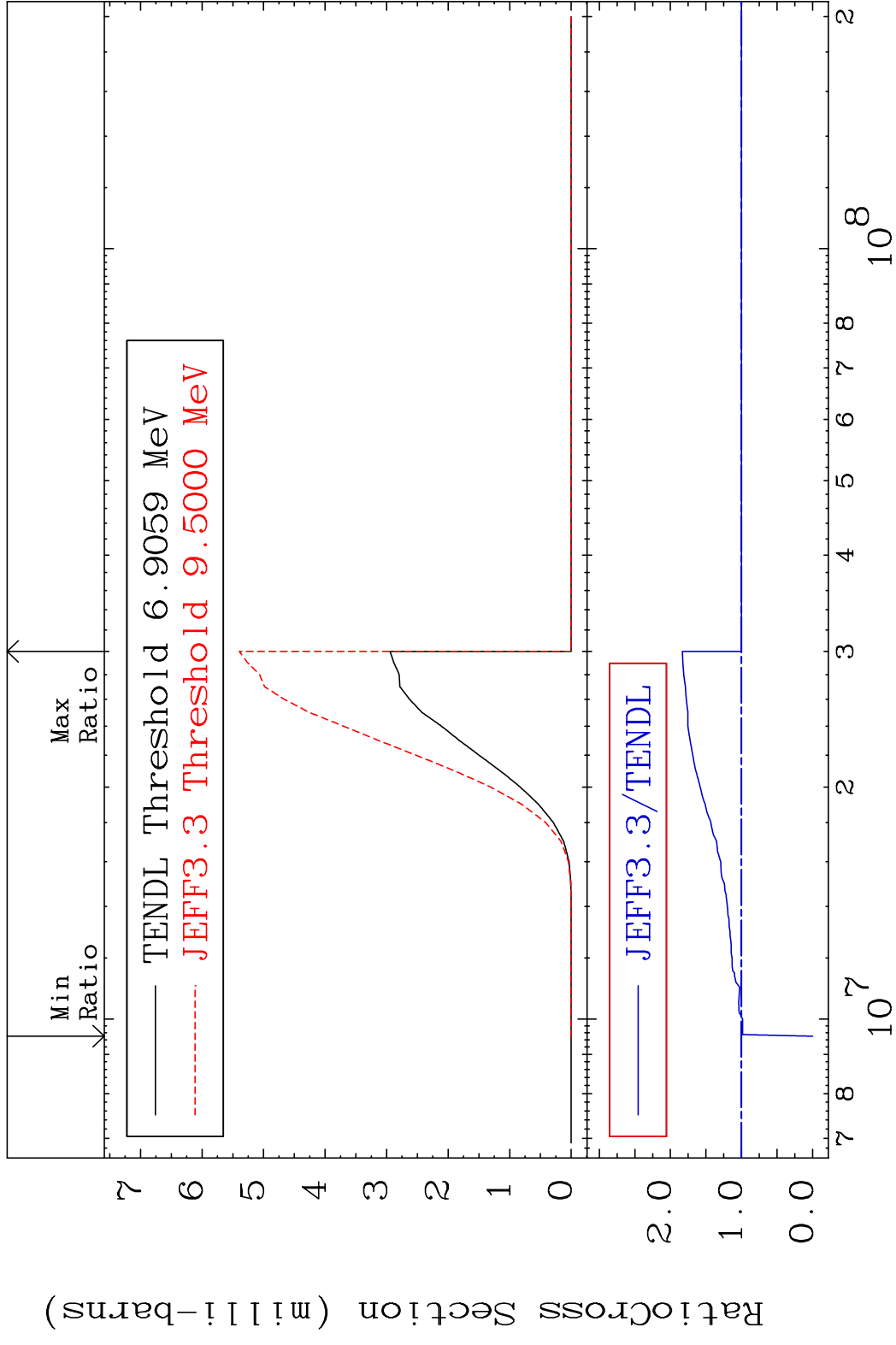












MAT 7652 (n, d): 75-Re-192m2 76-0s-193
 Radionuclide Production Cross Section Ratio 0.512 %

