

Program Complot
(Version 2021-1)

by

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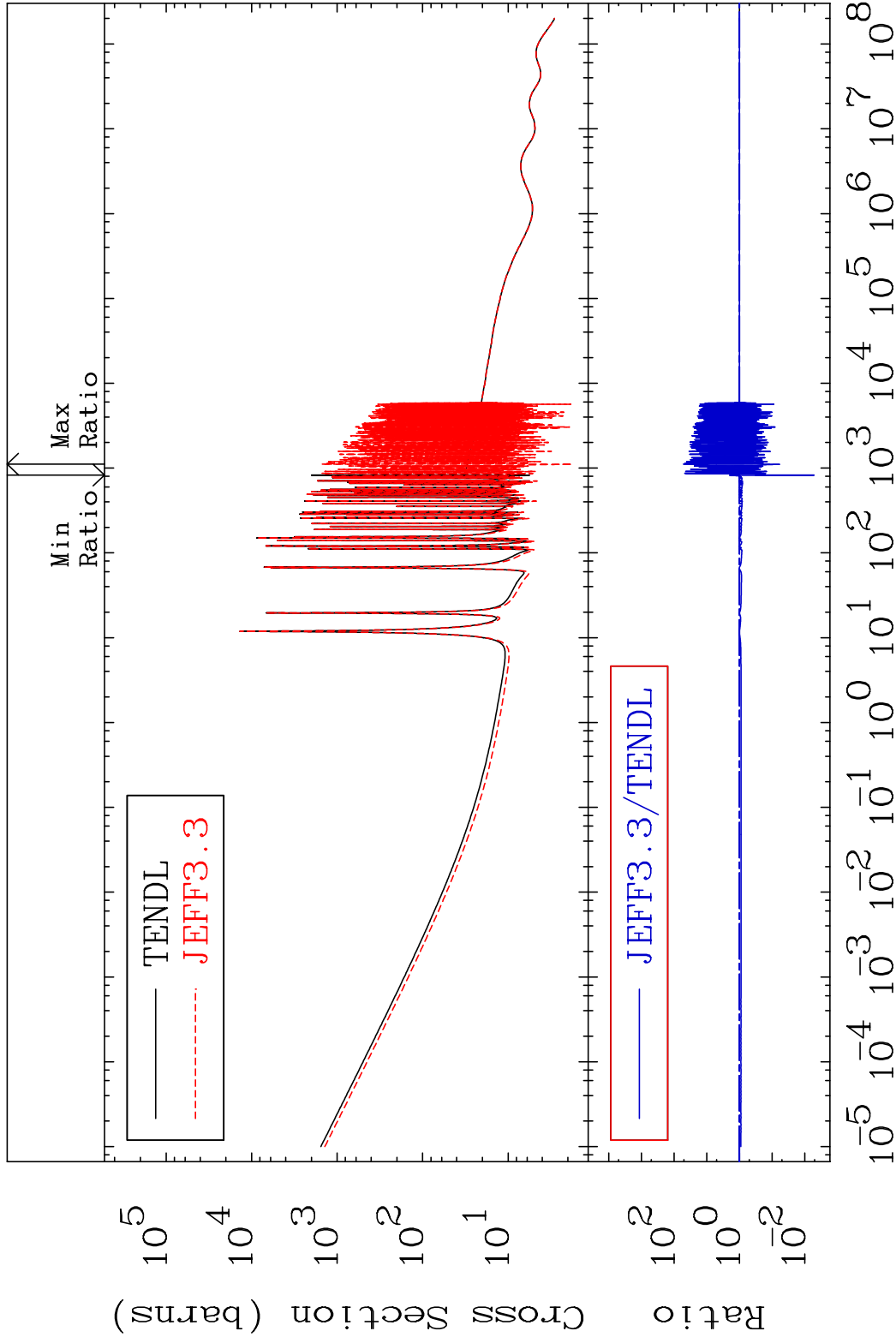
Press Mouse Button to Start

MAT 7840

Total

78-Pt-195

Cross Section -99.48 To 4971. %



1

Incident Energy (eV)

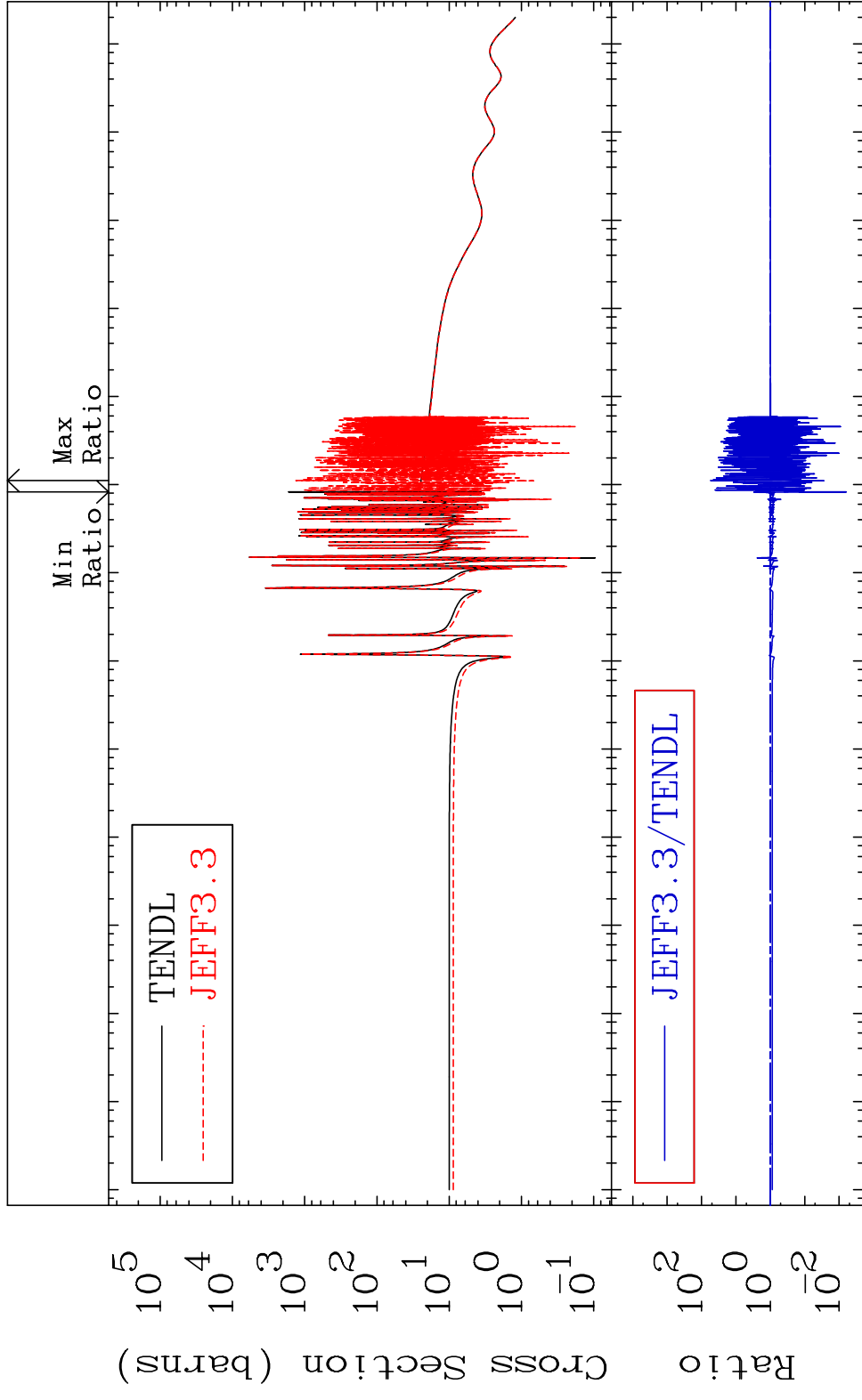
78-Pt-195

MAT 7840

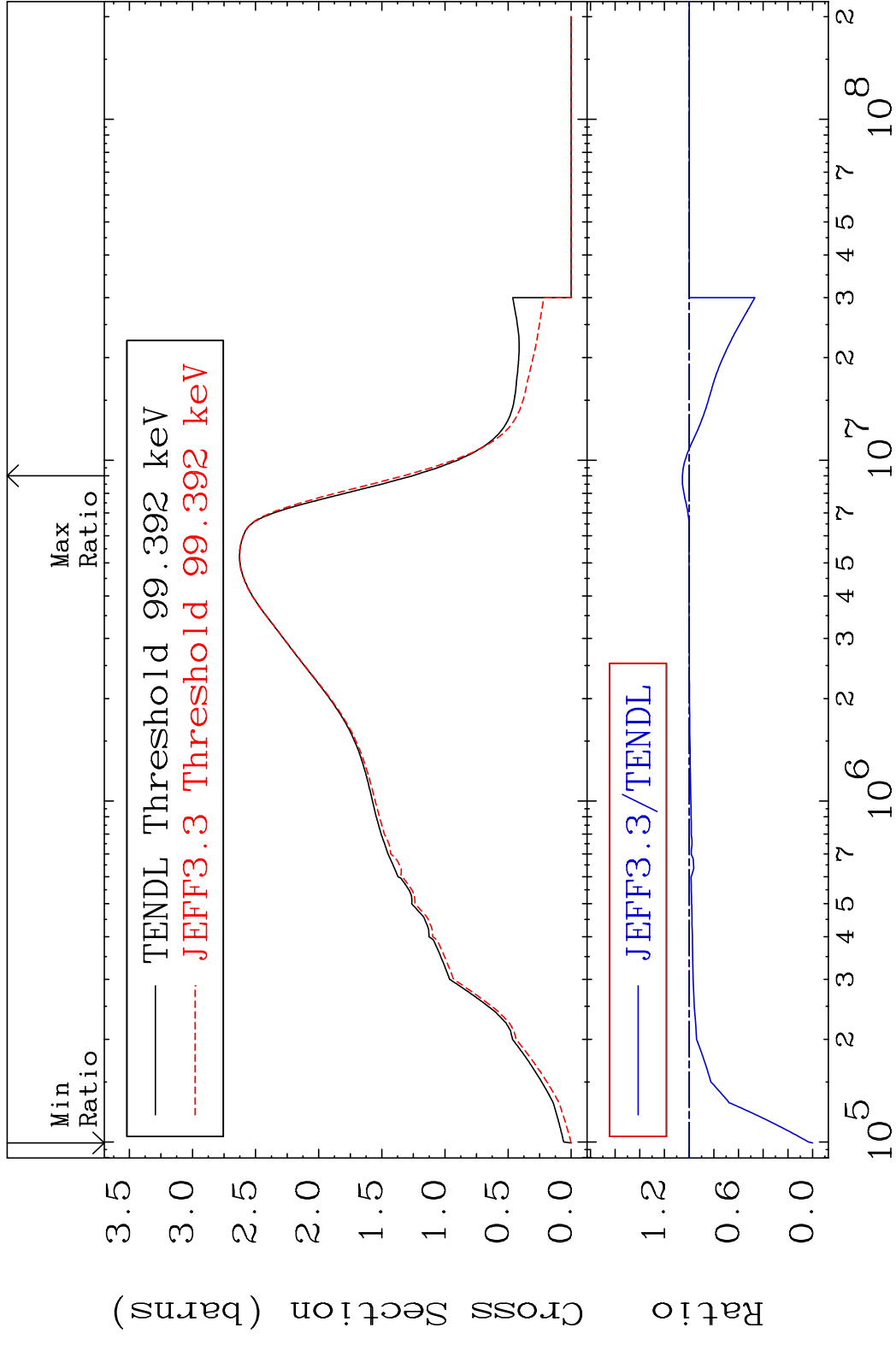
Elastic

78-Pt-195

Cross Section -99.38 To 5304. %

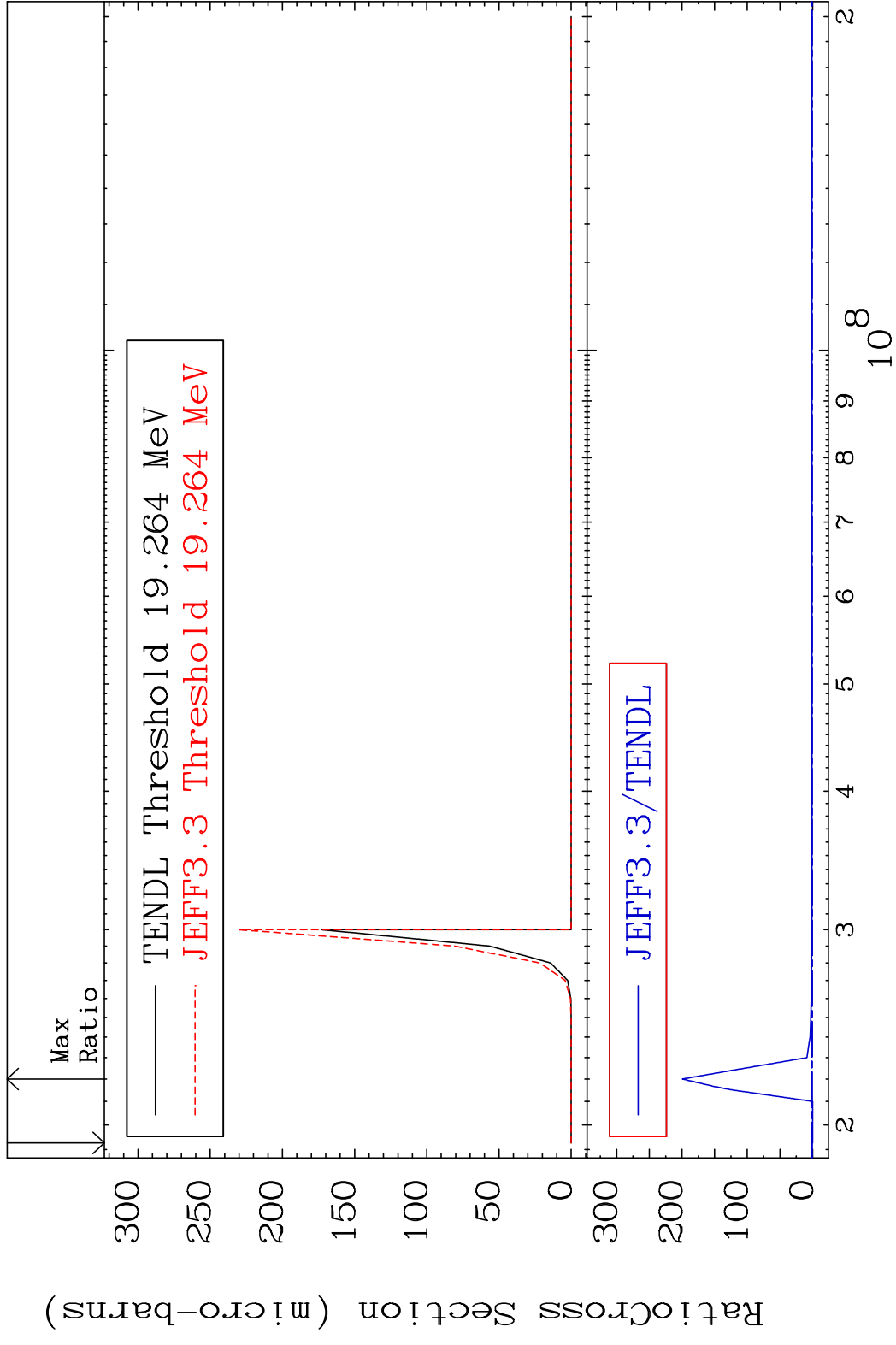


MAT 7840 Inelastic Cross Section -100.0 To 5.495 % 78-Pt-195

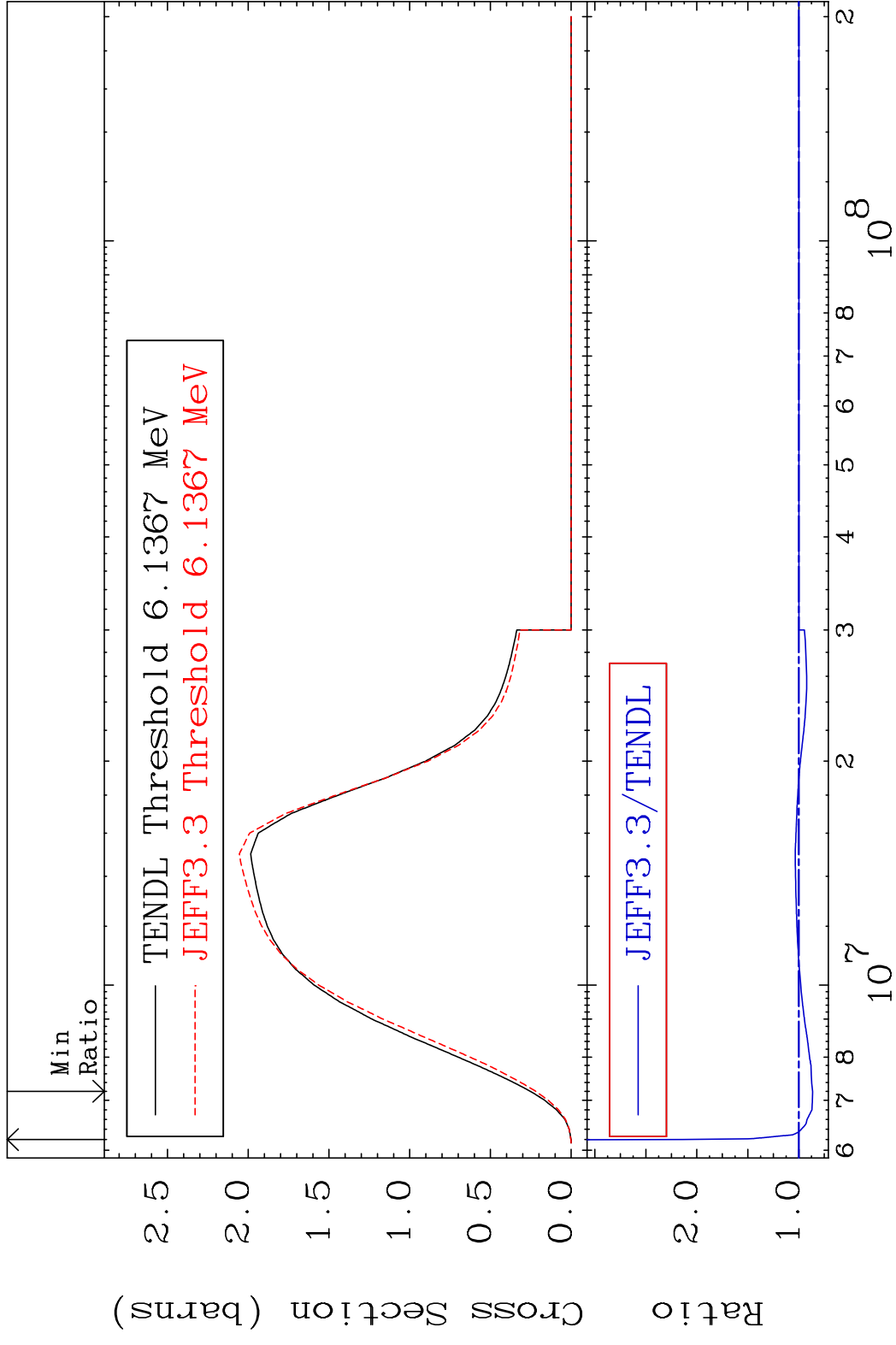


3 Incident Energy (eV) 78-Pt-195

MAT 7840 (n,2n) d 78-Pt-195
 Cross Section -100.0 To 9999. %

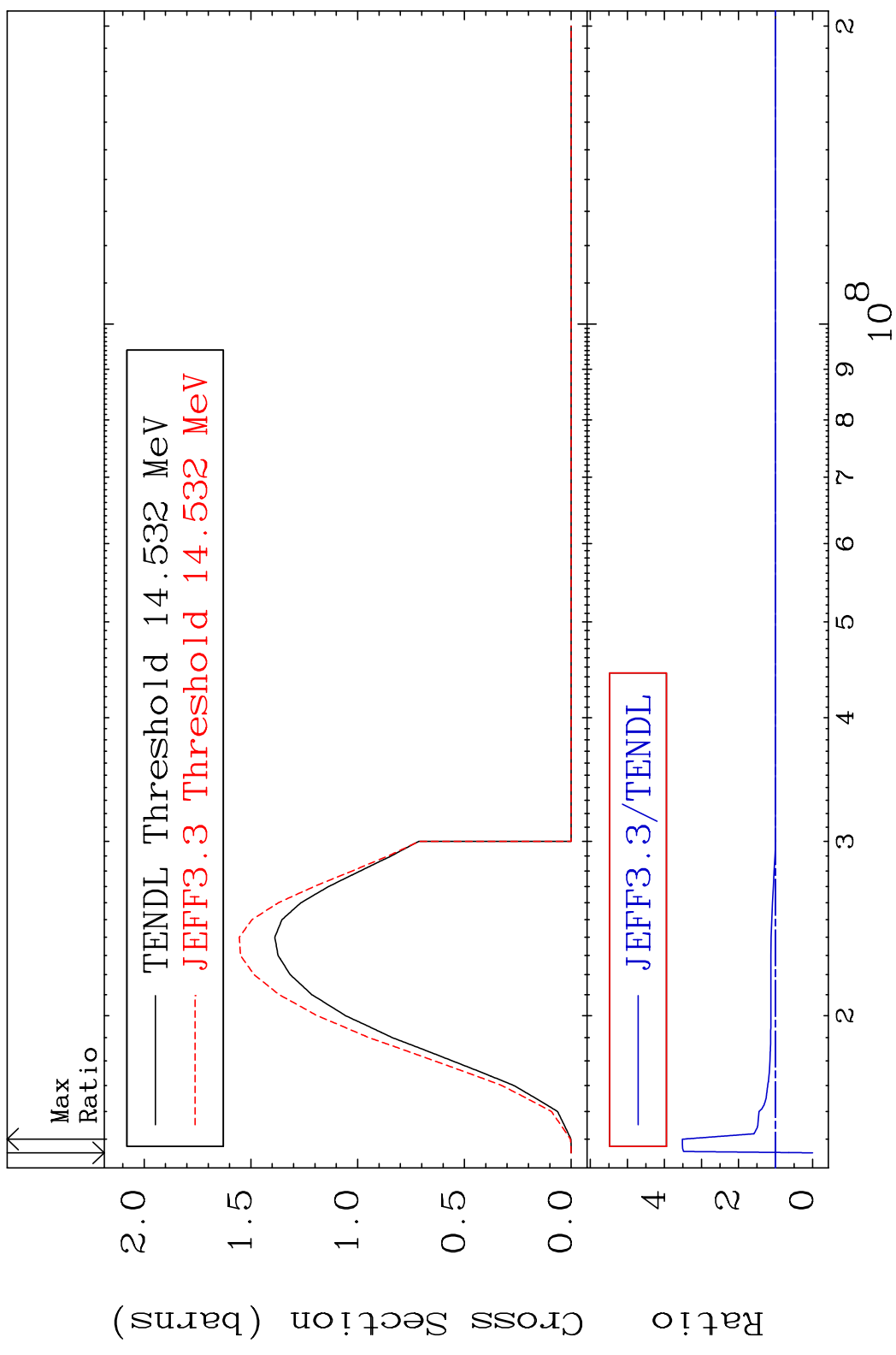


MAT 7840 (n,2n) 78-Pt-195
 Cross Section -13.48 To 114.2 %



5 Incident Energy (eV) 78-Pt-195

MAT 7840 (n,3n) 78-Pt-195
Cross Section -100.0 To 251.6 %

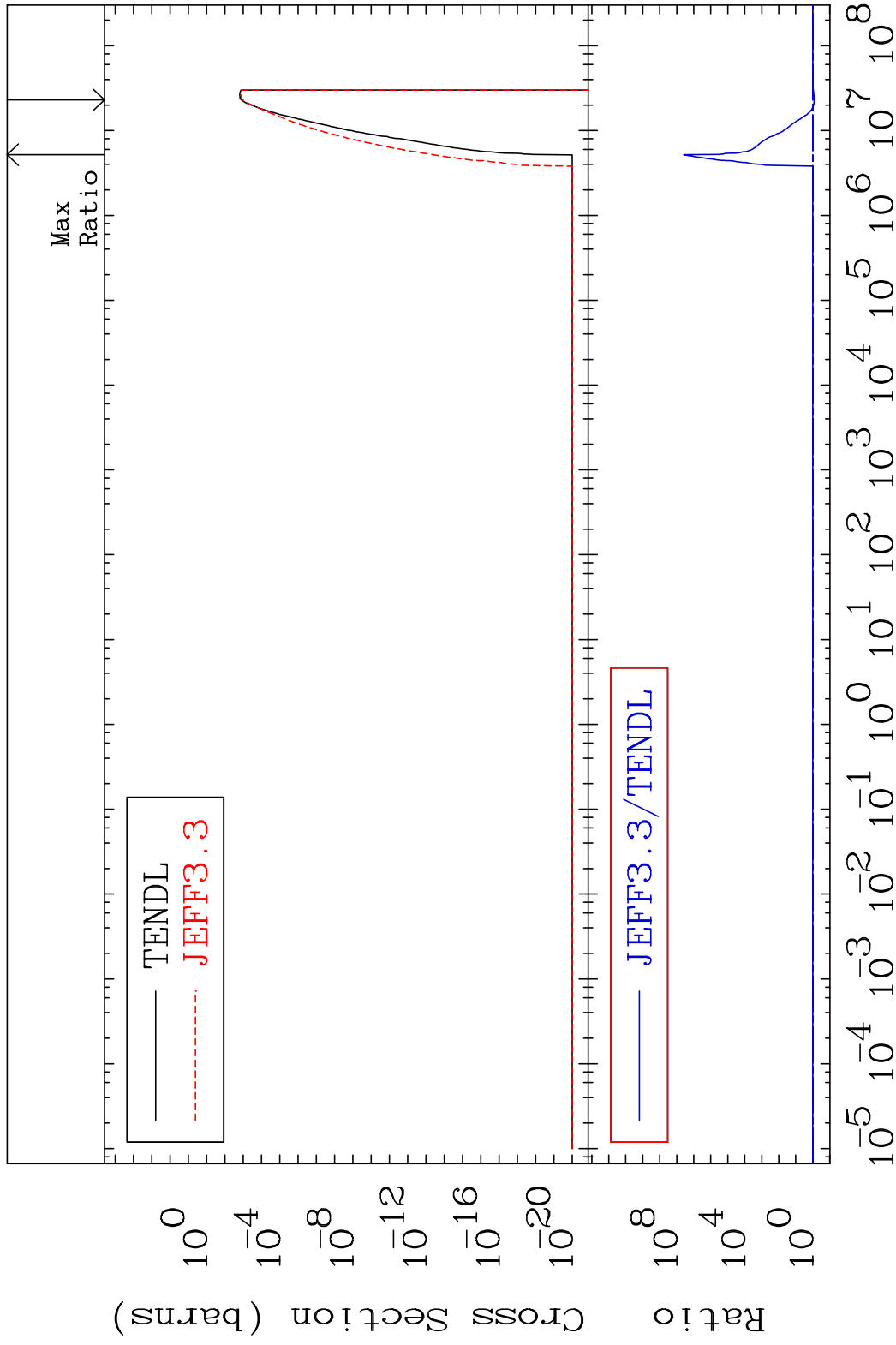


MAT 7840

(n, n') α

78-Pt-195

Cross Section -17.17 To 9999. %

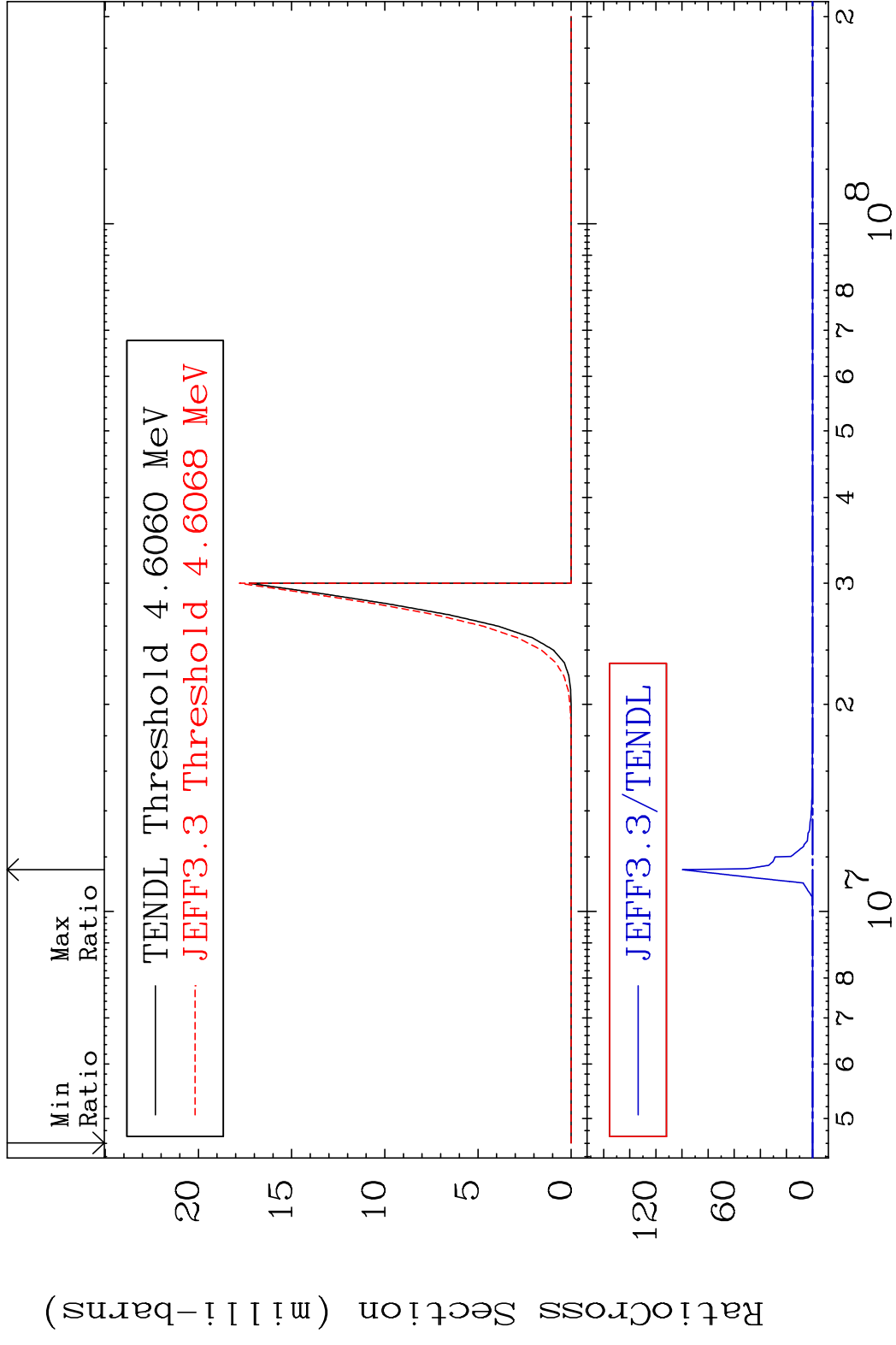


7

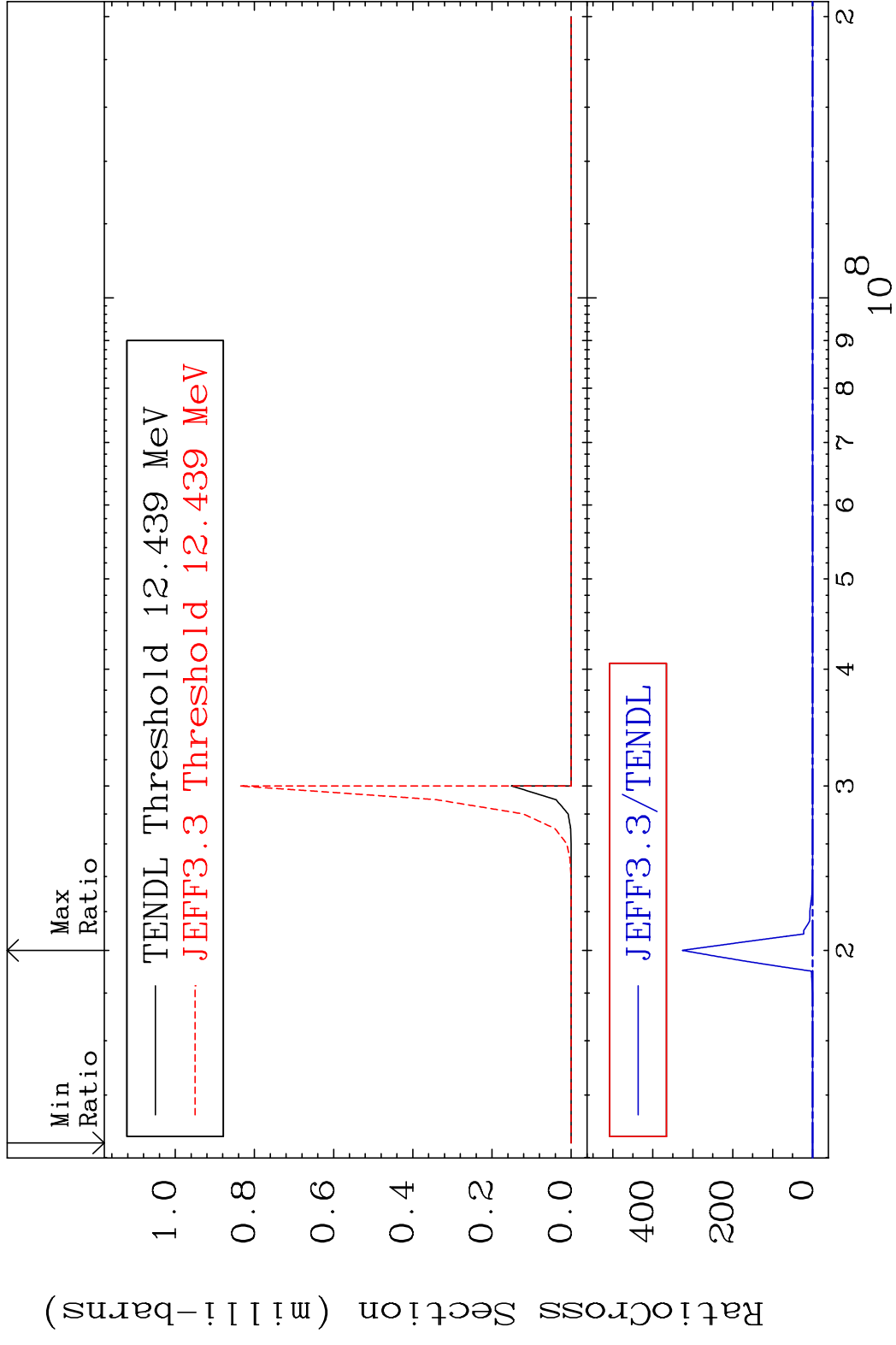
Incident Energy (eV)

78-Pt-195

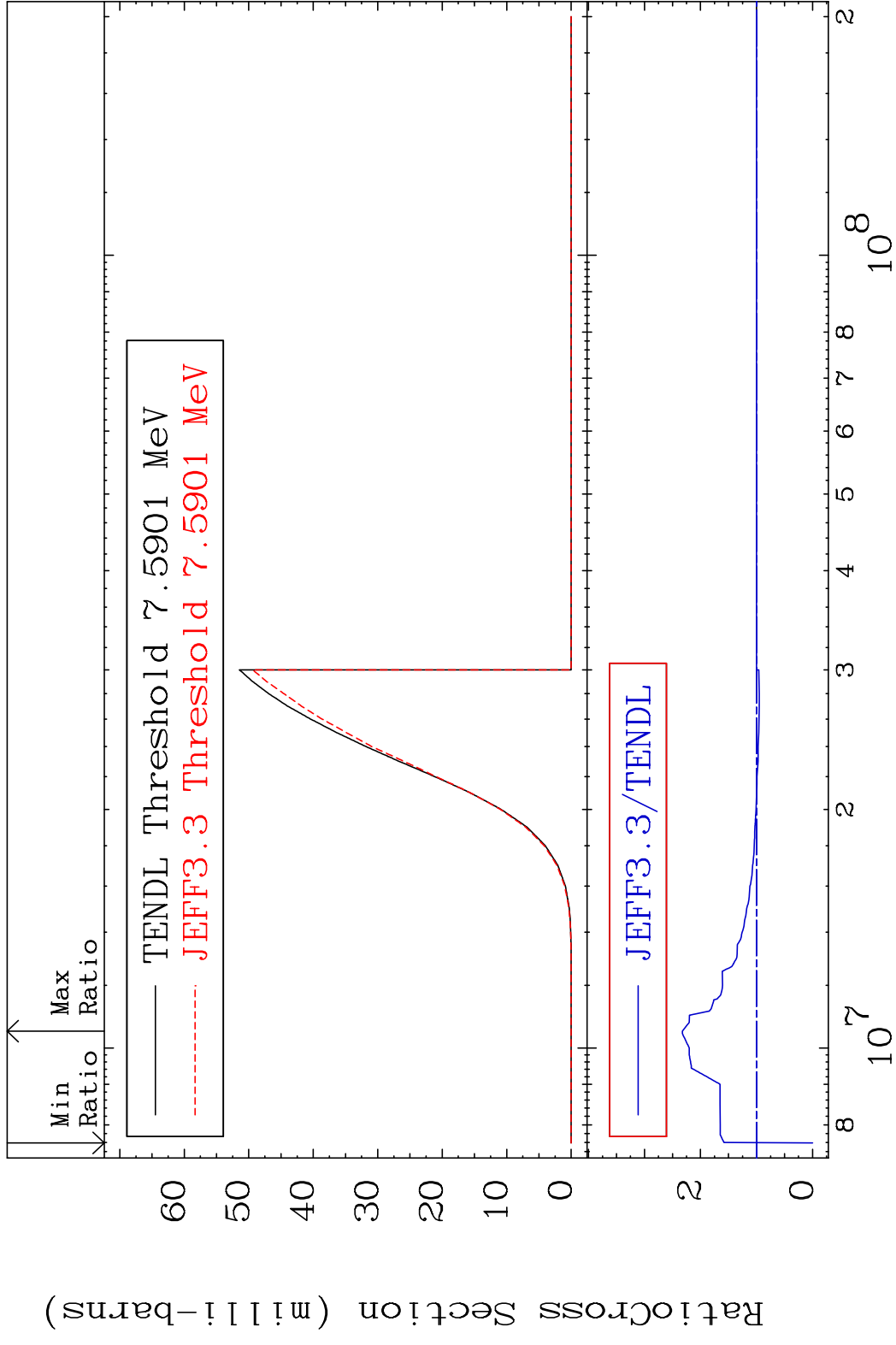
MAT 7840 (n,2n) α 78-Pt-195
 Cross Section -100.0 To 9999. %



MAT 7840 (n,3n) α 78-Pt-195
 Cross Section -100.0 To 9999. %



MAT 7840 (n, n') p 78-Pt-195
 Cross Section -100.0 To 132.4 %



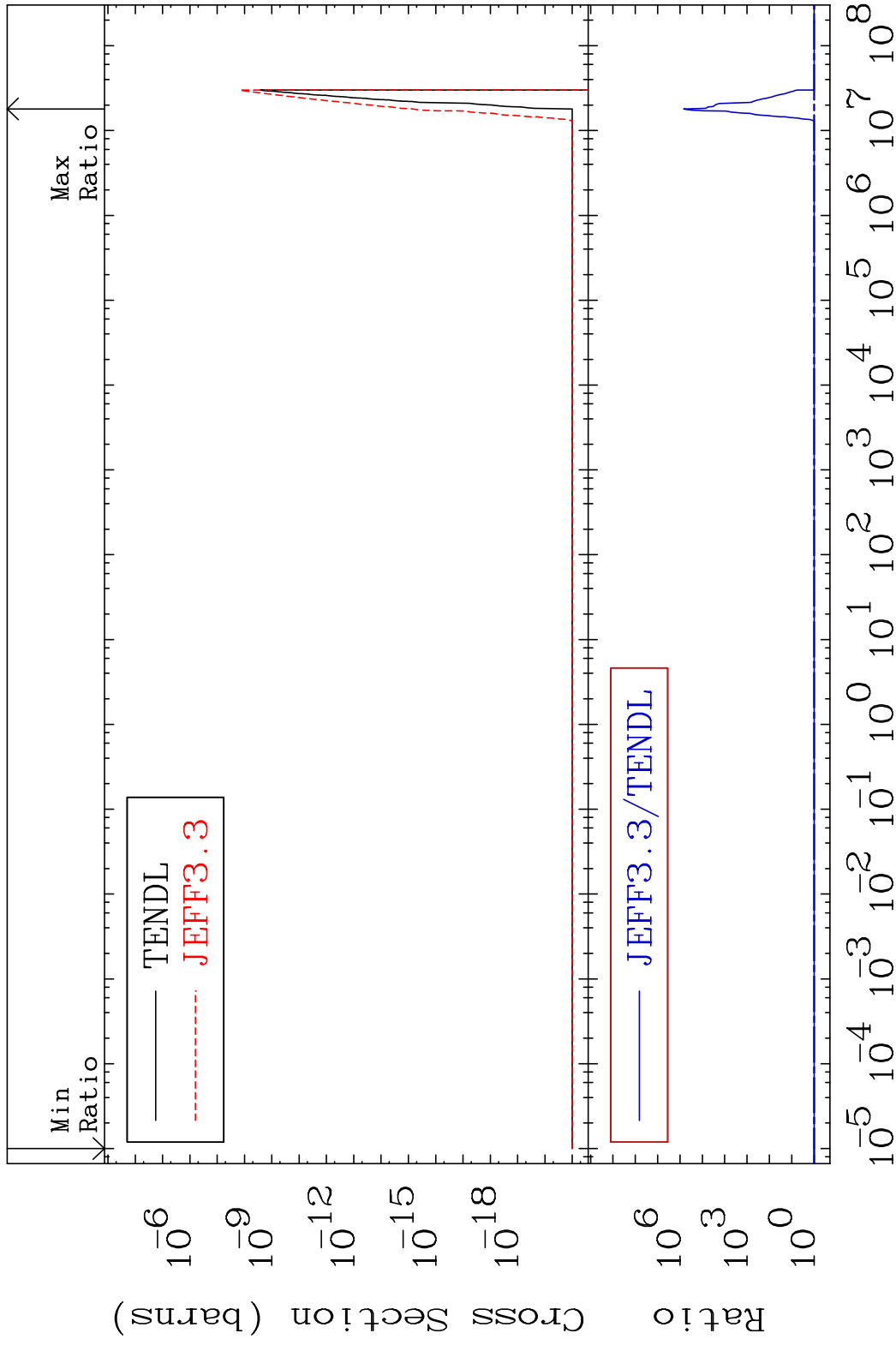
10 10 10 2 78-Pt-195

MAT 7840

(n, n') 2α

78-Pt-195

Cross Section 0.000 To 9999. %

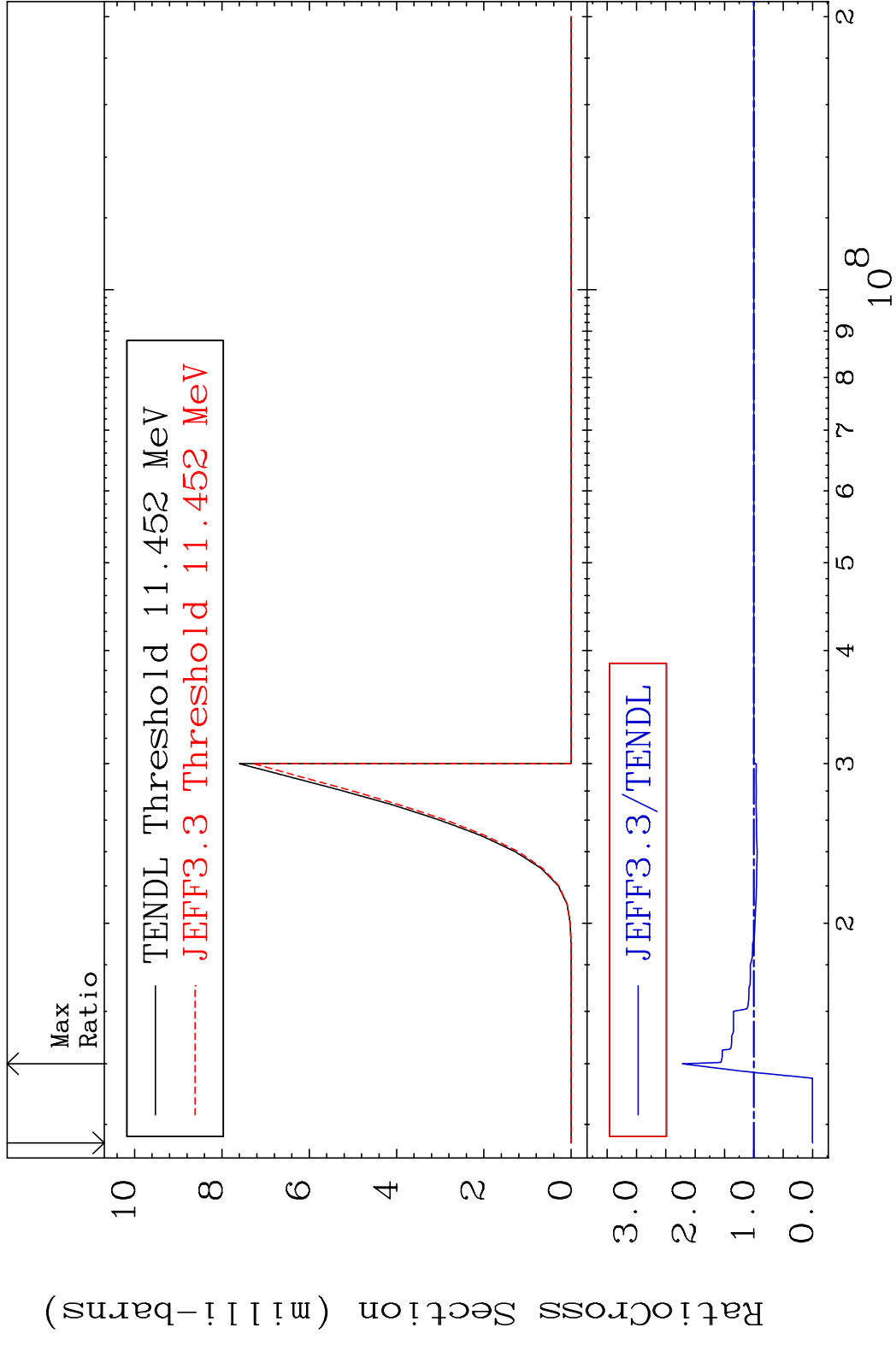


11

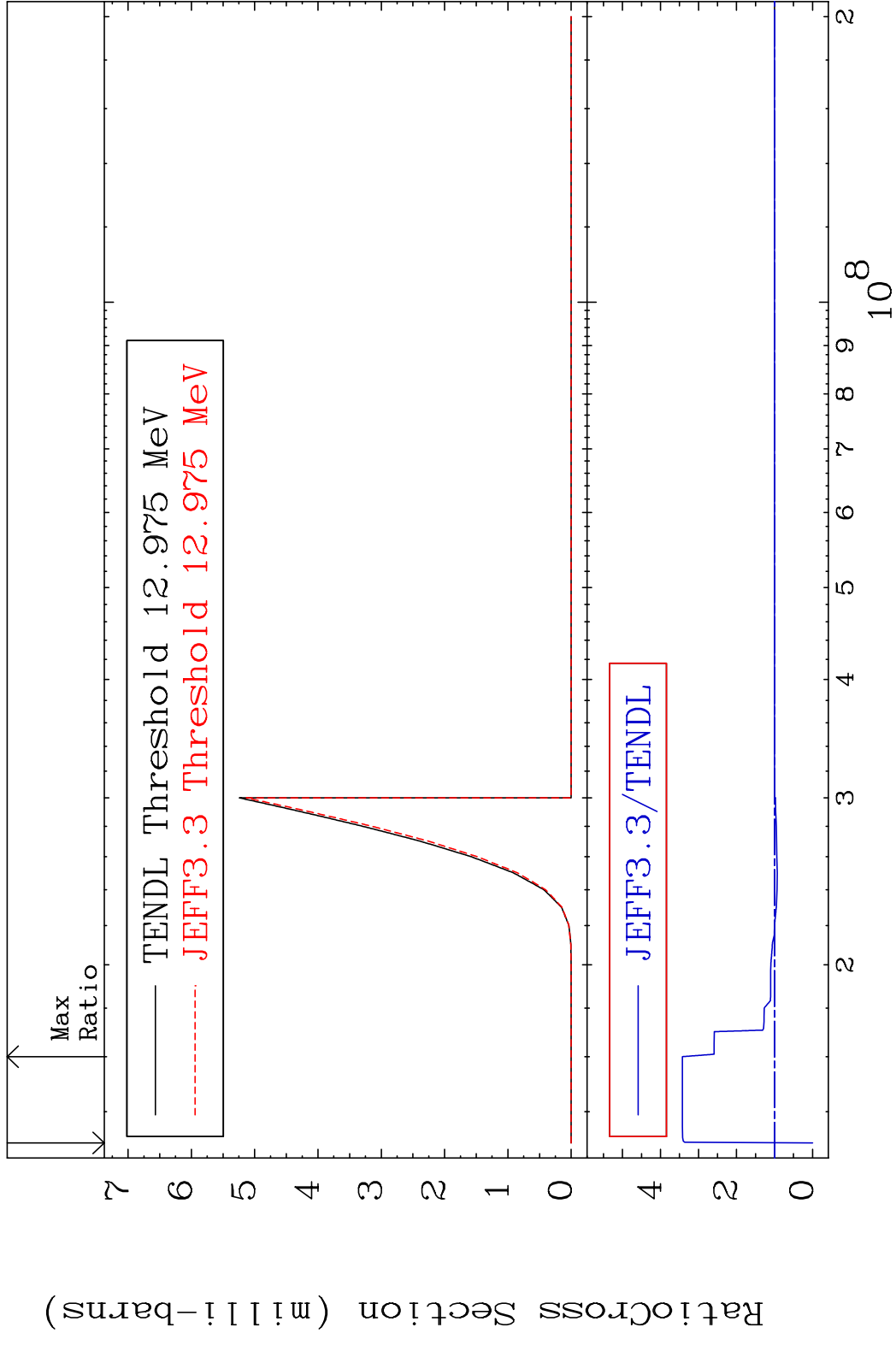
Incident Energy (eV)

78-Pt-195

MAT 7840 (n, n') d 78-Pt-195
 Cross Section -100.0 To 121.8 %



MAT 7840 (n, n') t 78-Pt-195
 Cross Section -100.0 To 242.5 %

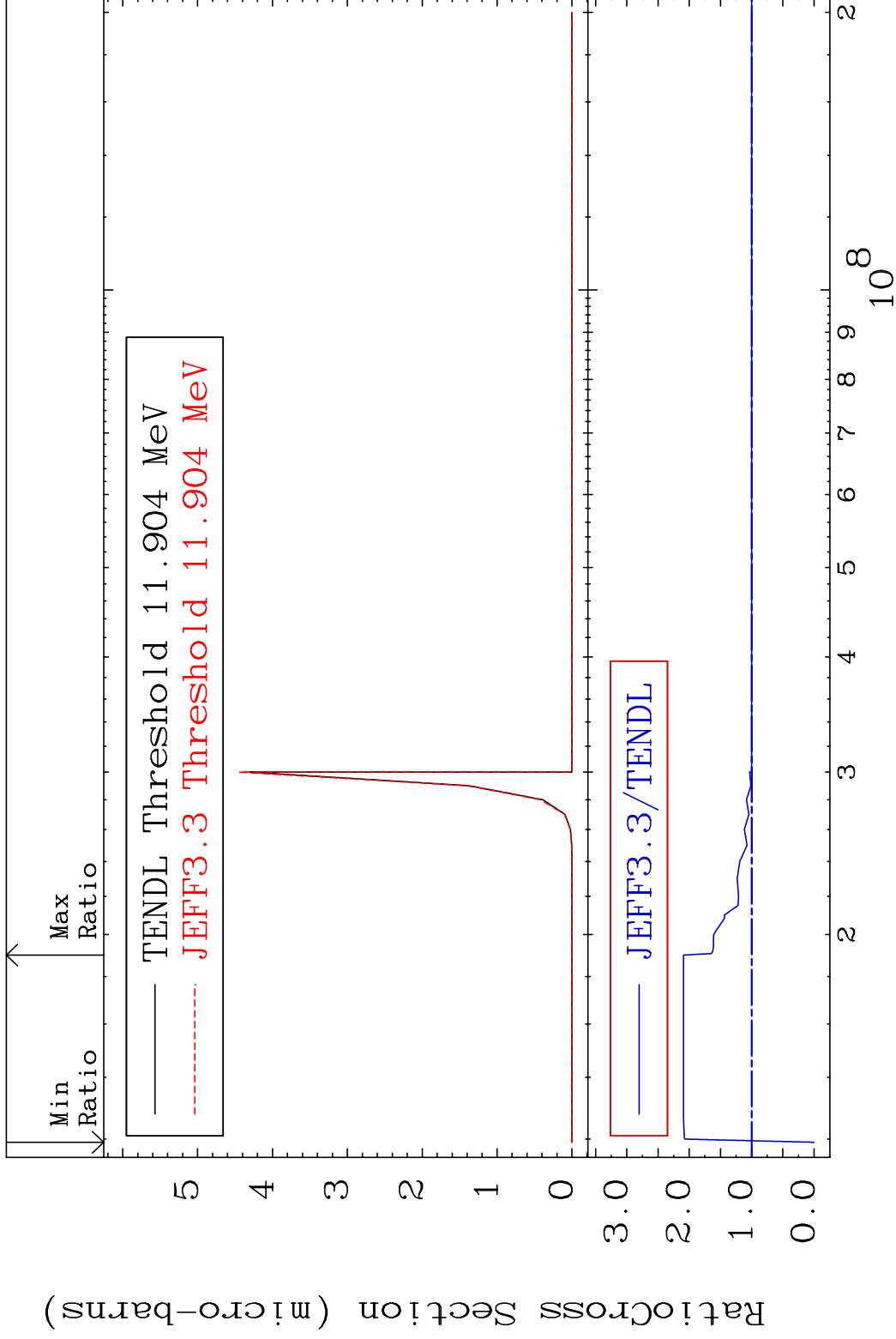


MAT 7840

(n,n') He-3

78-Pt-195

Cross Section -100.0 To 109.3 %

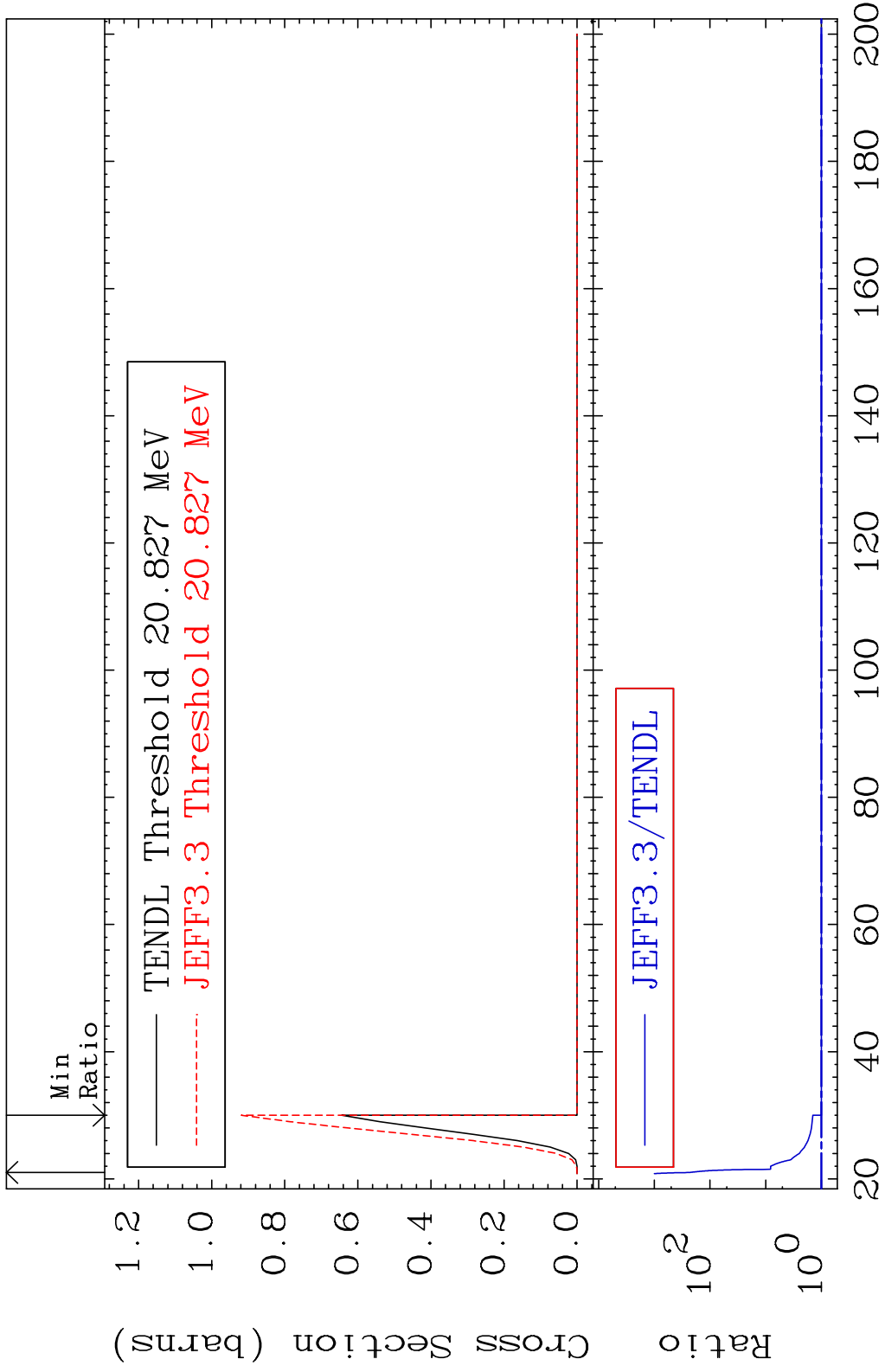


MAT 7840

(n,4n)

78-Pt-195

Cross Section 0.000 To 9999. %



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Incident Energy (MeV)

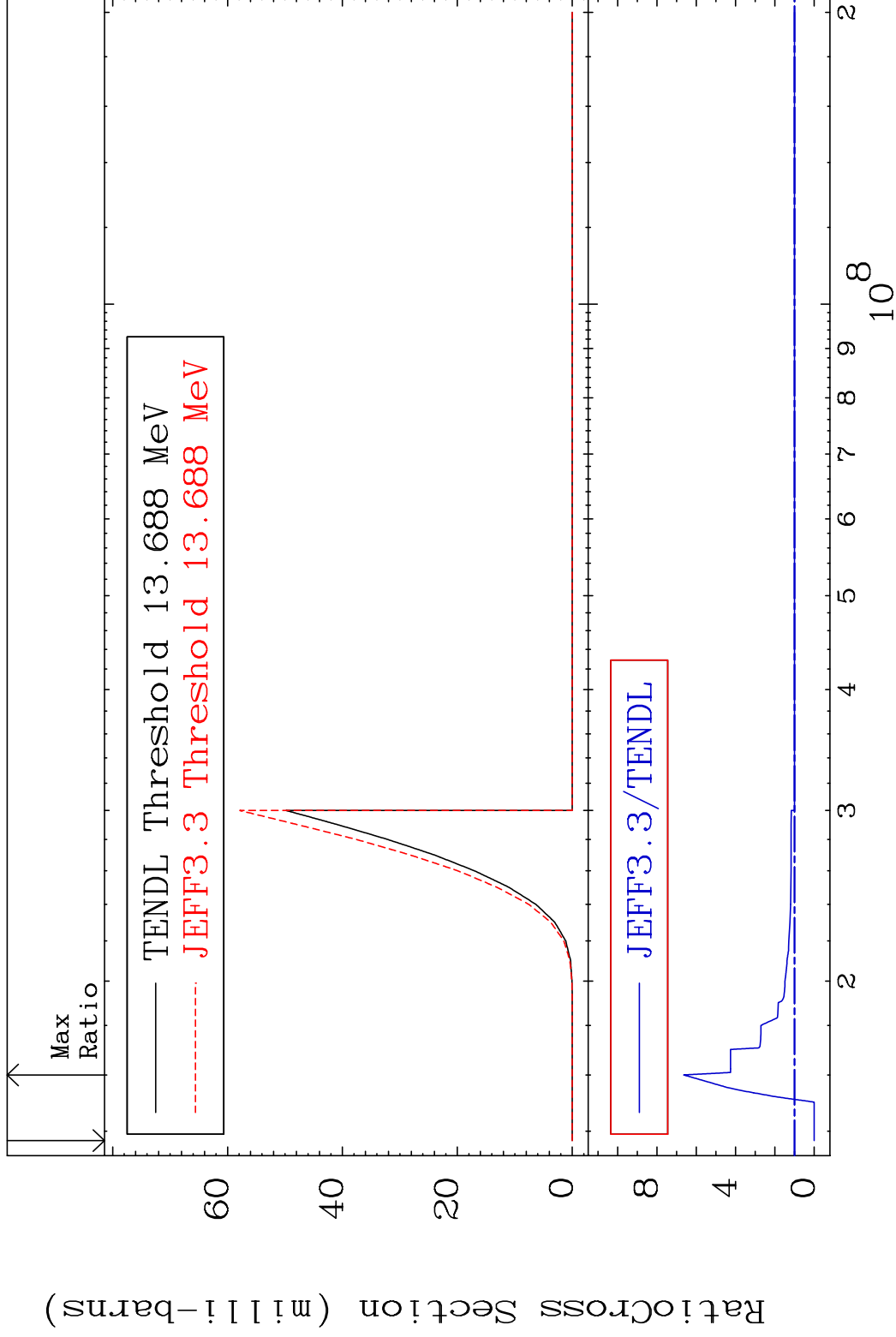
78-Pt-195

MAT 7840

(n,2n) p

78-Pt-195

Cross Section -100.0 To 564.2 %

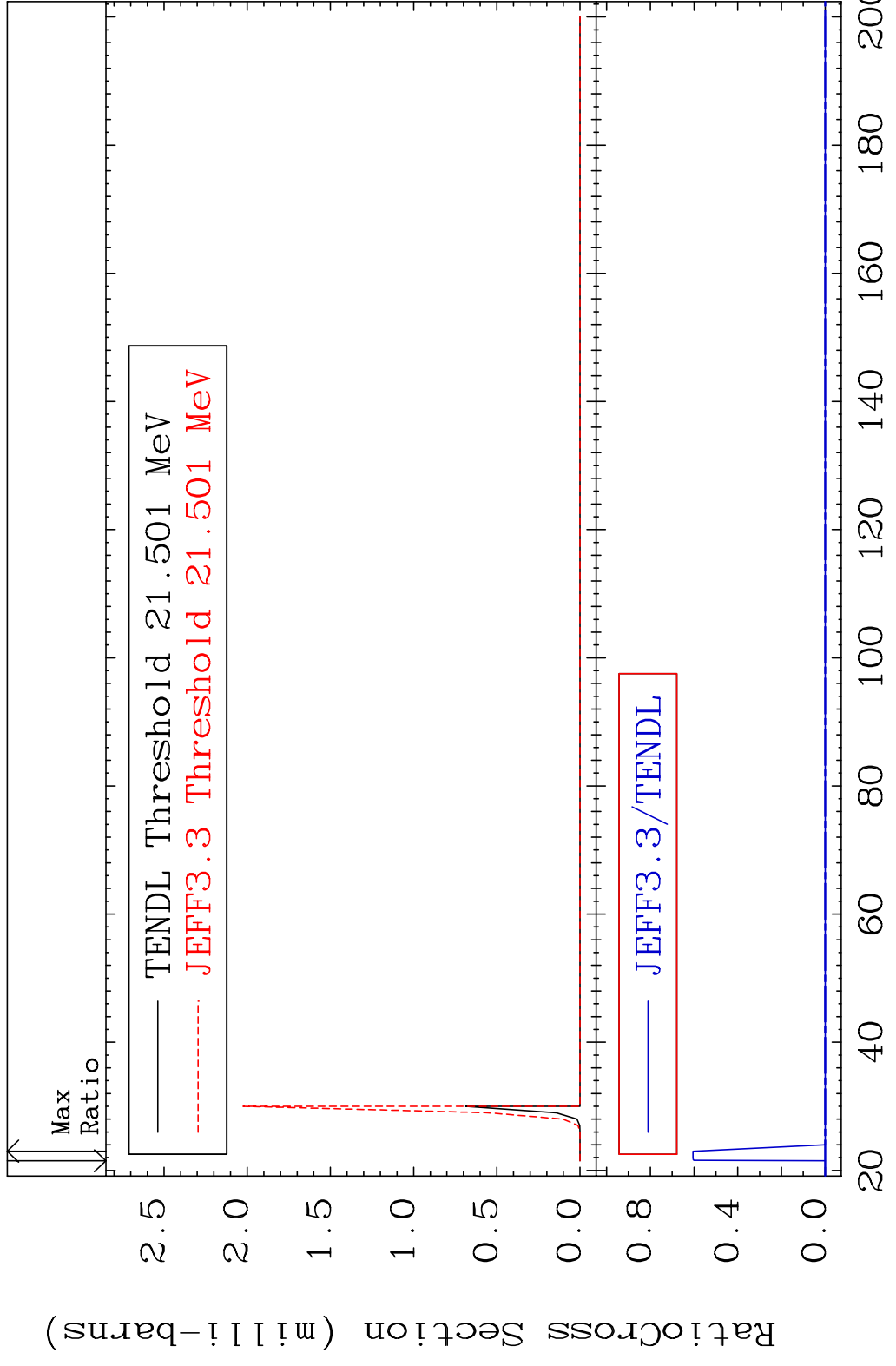


16

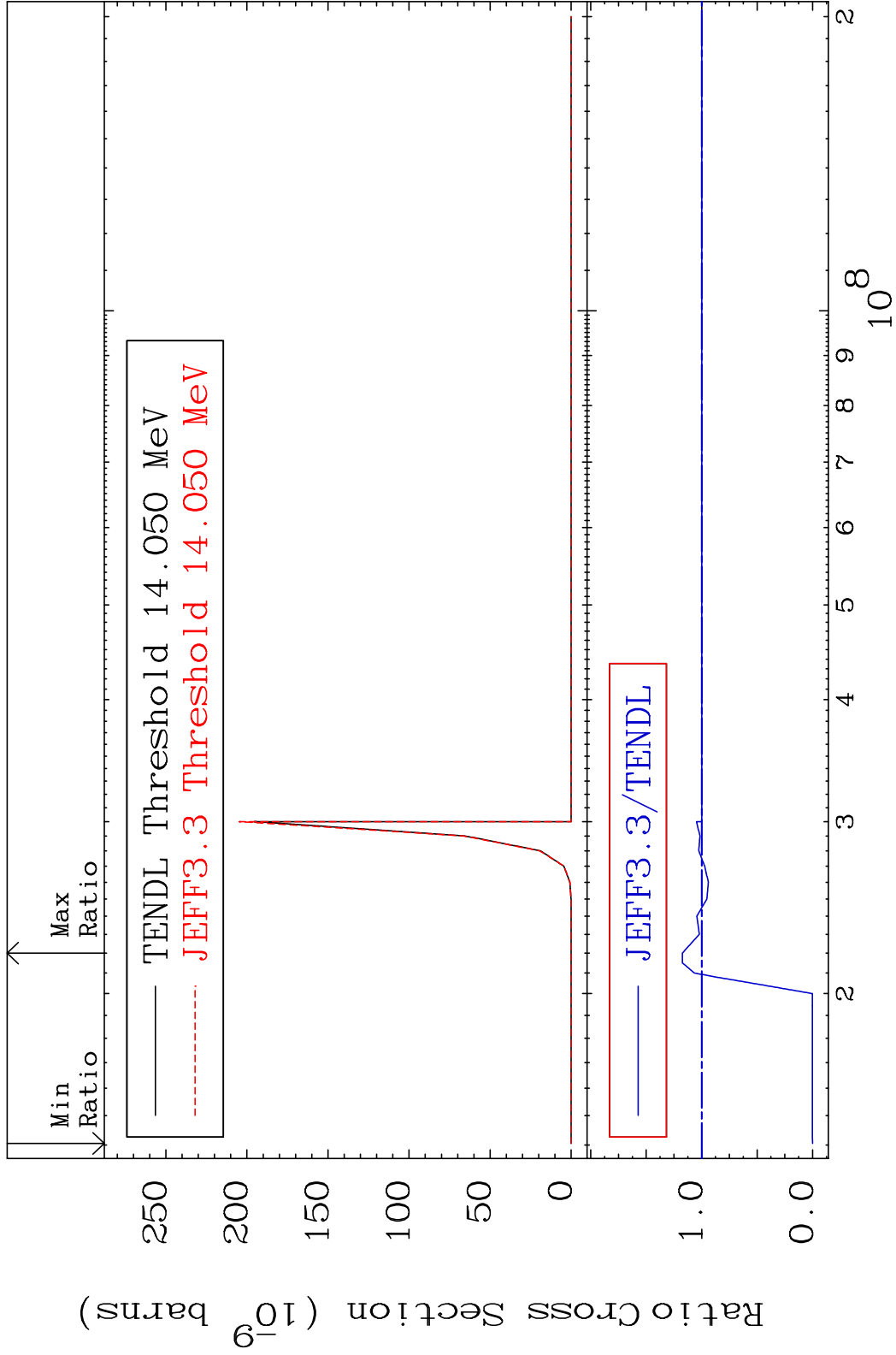
Incident Energy (eV)

78-Pt-195

MAT 7840 (n,3n) p 78-Pt-195
 Cross Section -100.0 To 9999. %

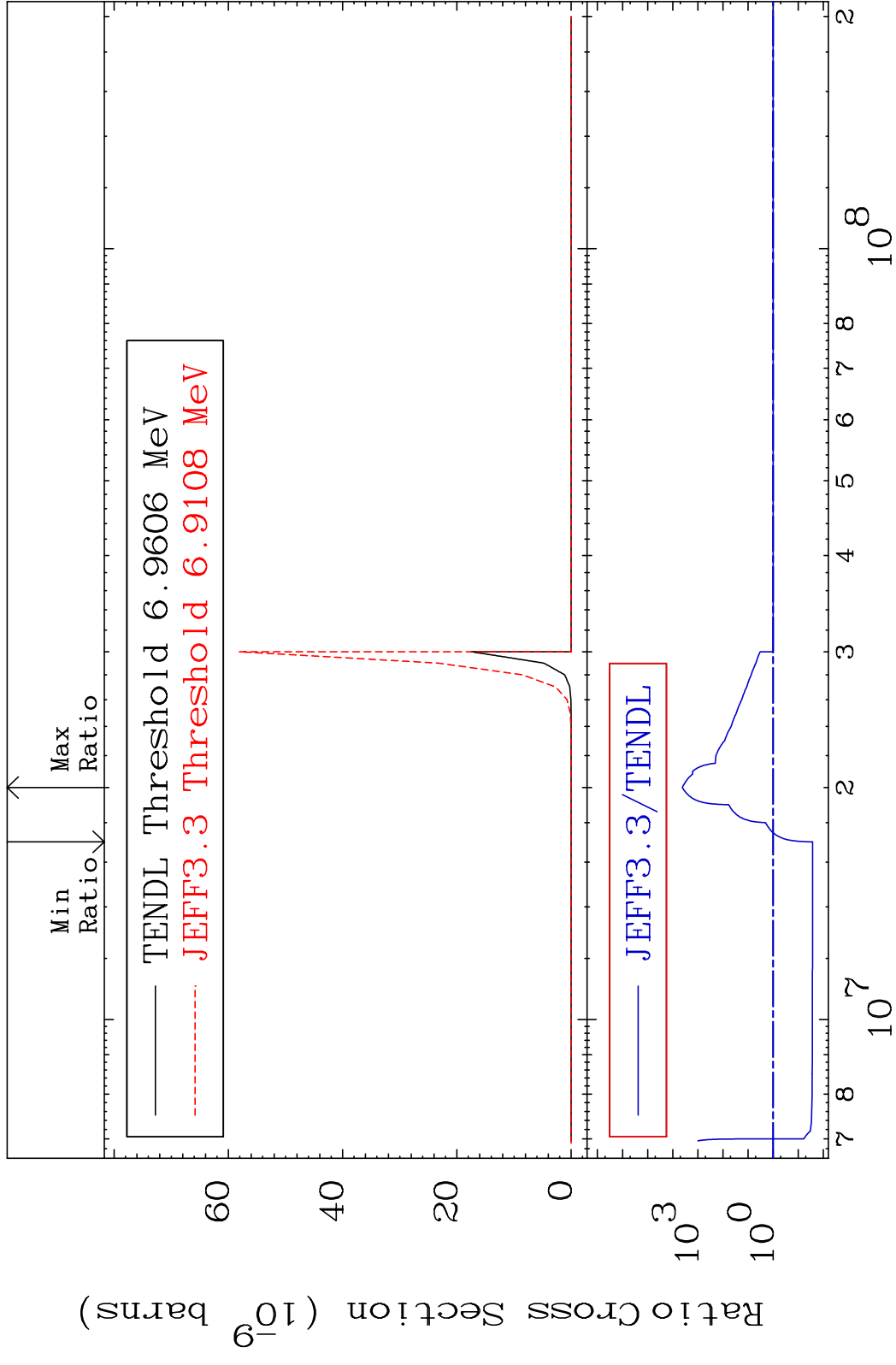


MAT 7840 (n,2n) p 78-Pt-195
 Cross Section -100.0 To 17.41 %

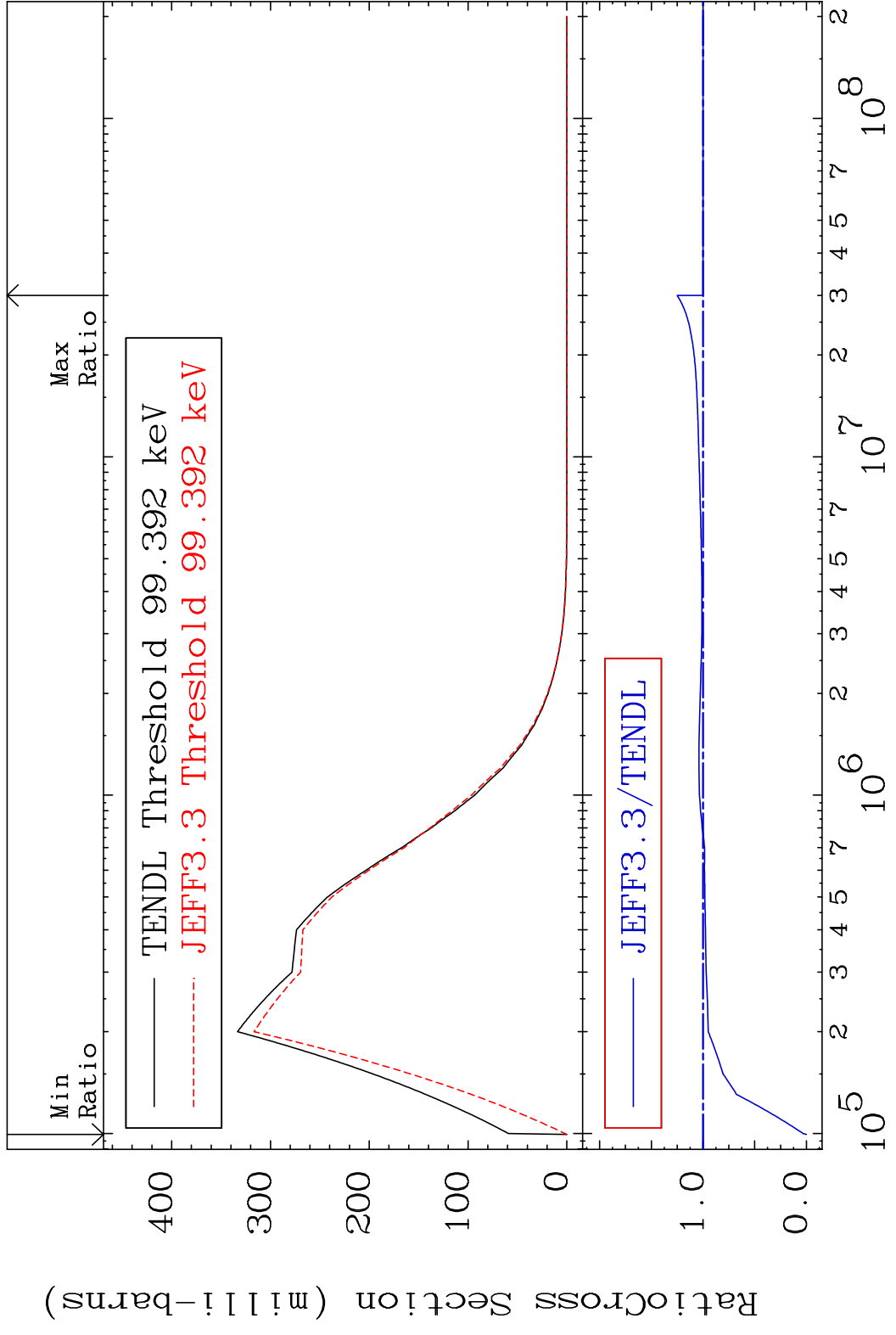


MAT 7840

(n, n') p α
Cross Section -97.29 To 9999. %

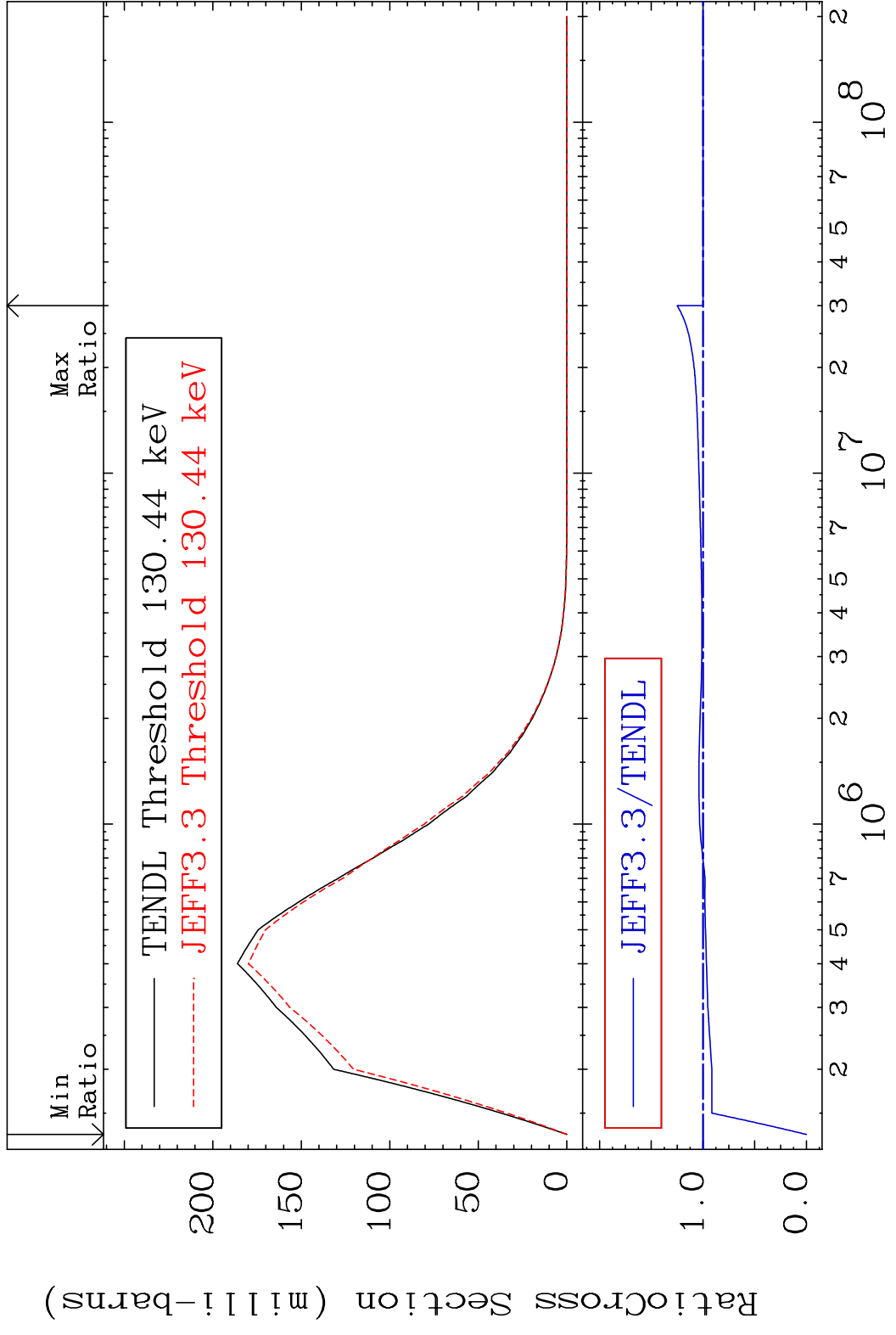


MAT 7840 MT= 51 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 24.98 %

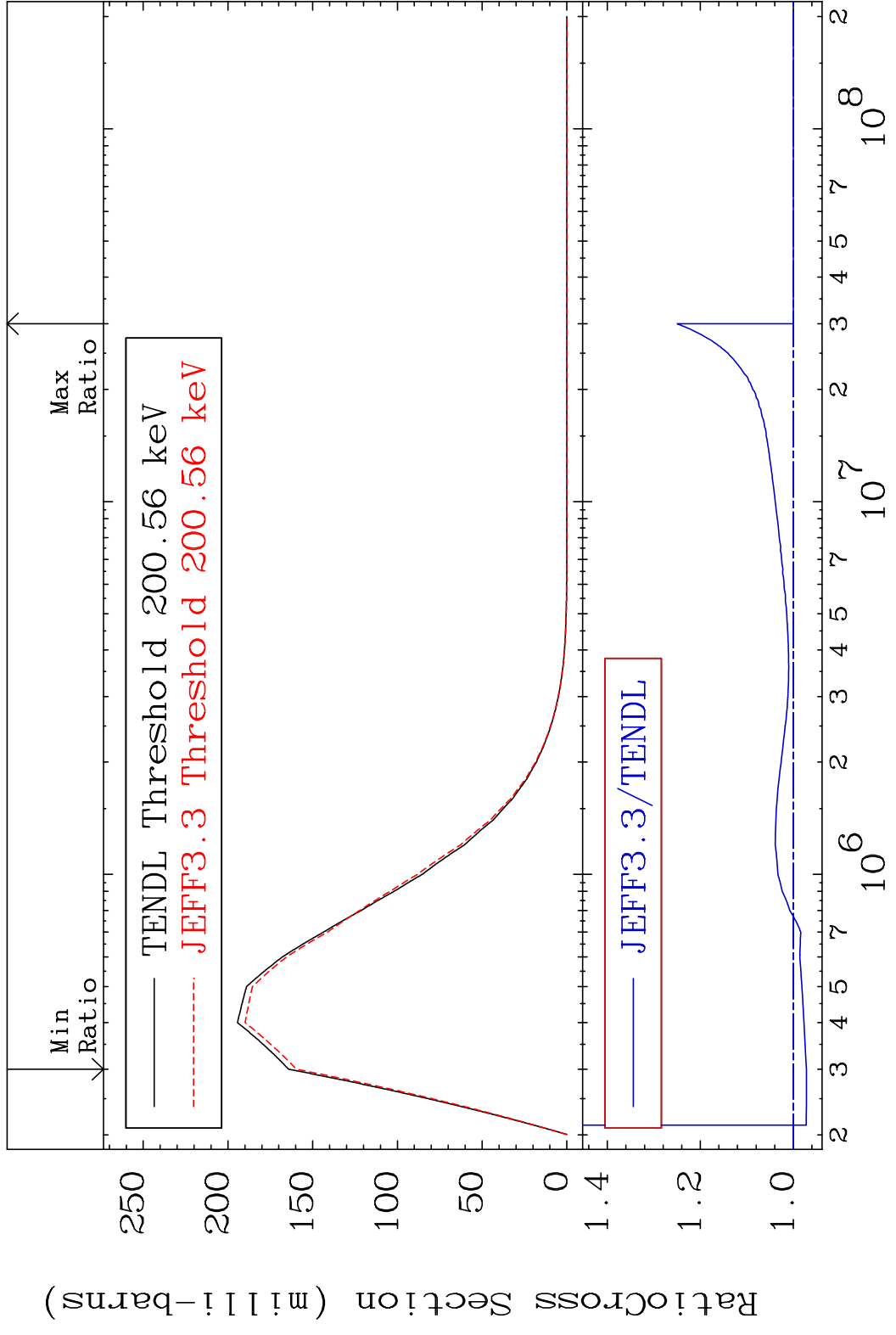


20 10⁵ 10⁶ 10⁷ 10⁸ 2 78-Pt-195

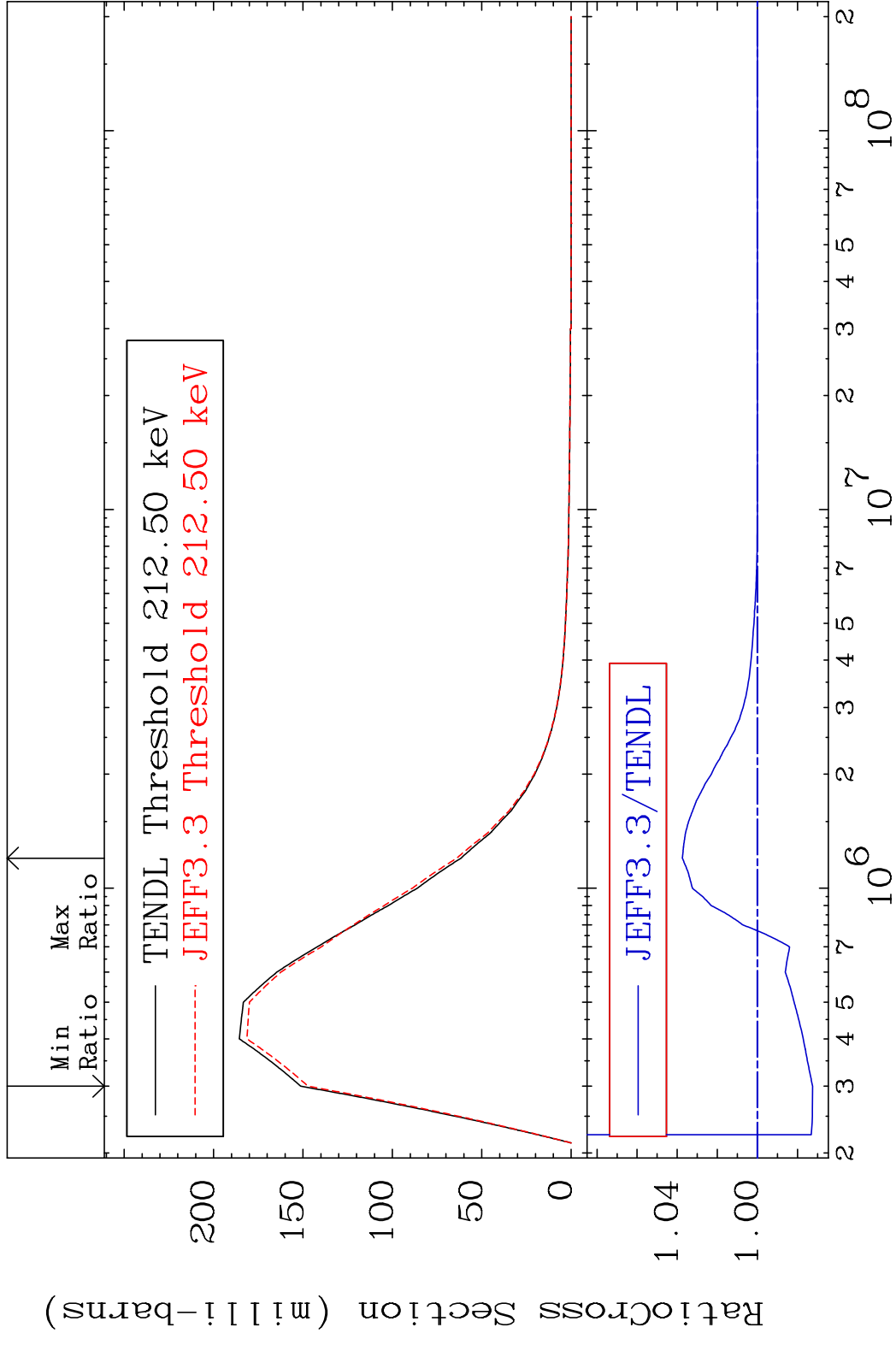
MAT 7840 MT= 52 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 24.96 %



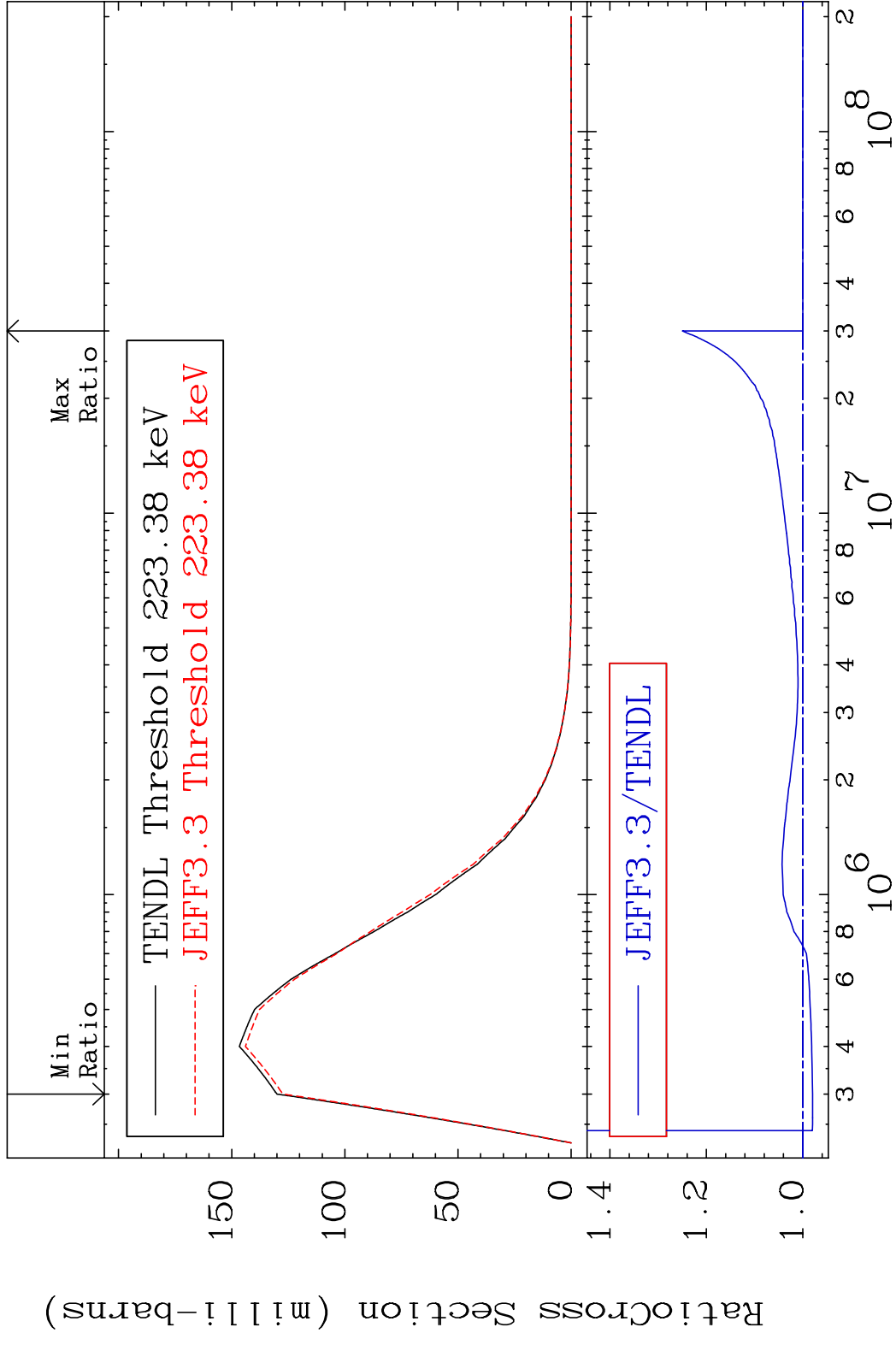
MAT 7840 MT= 53 (n, n') Level 78-Pt-195
 Cross Section -2.822 To 24.98 %



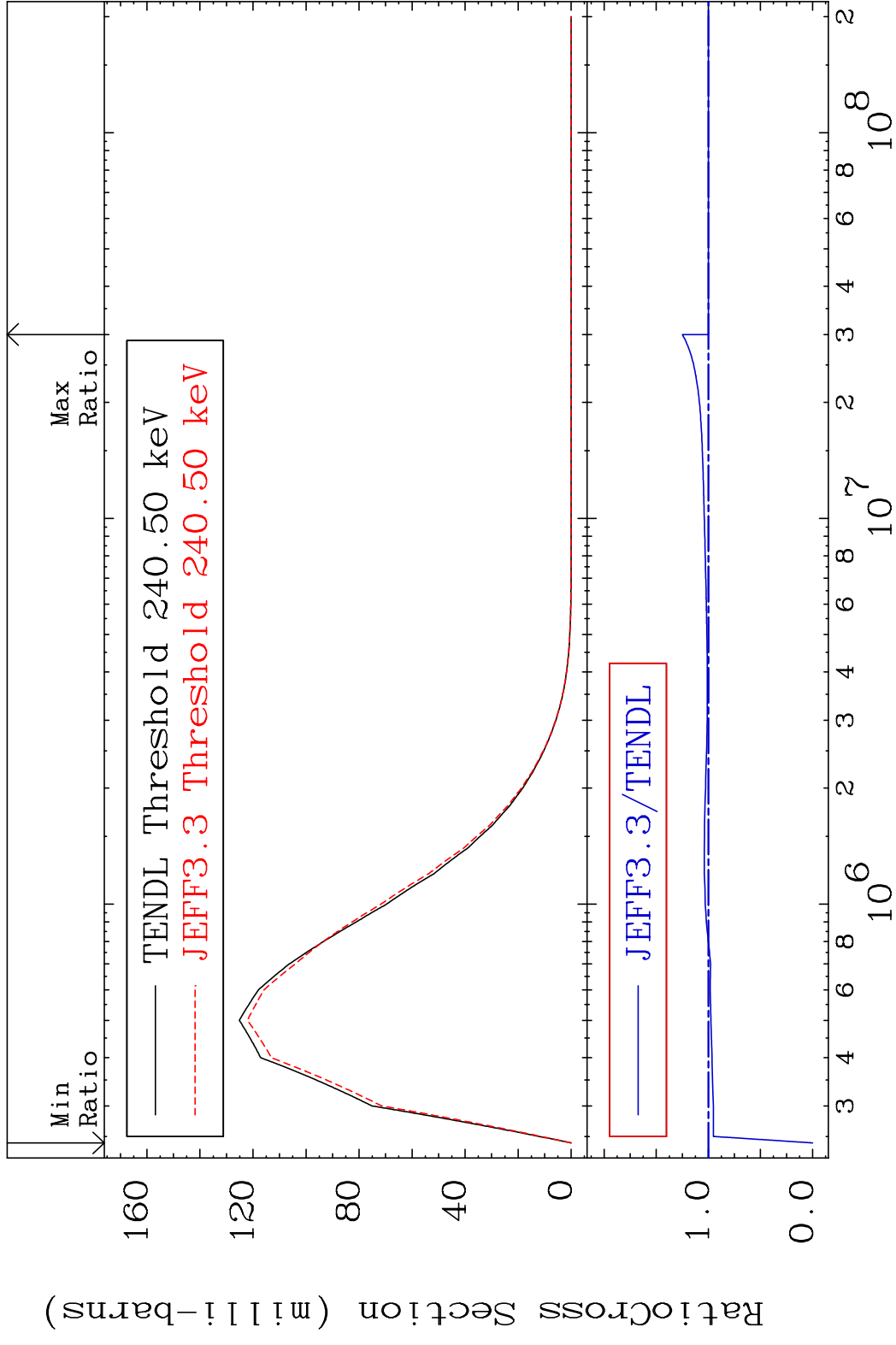
MAT 7840 MT= 54 (n,n') Level 78-Pt-195
 Cross Section -2.746 To 3.745 %



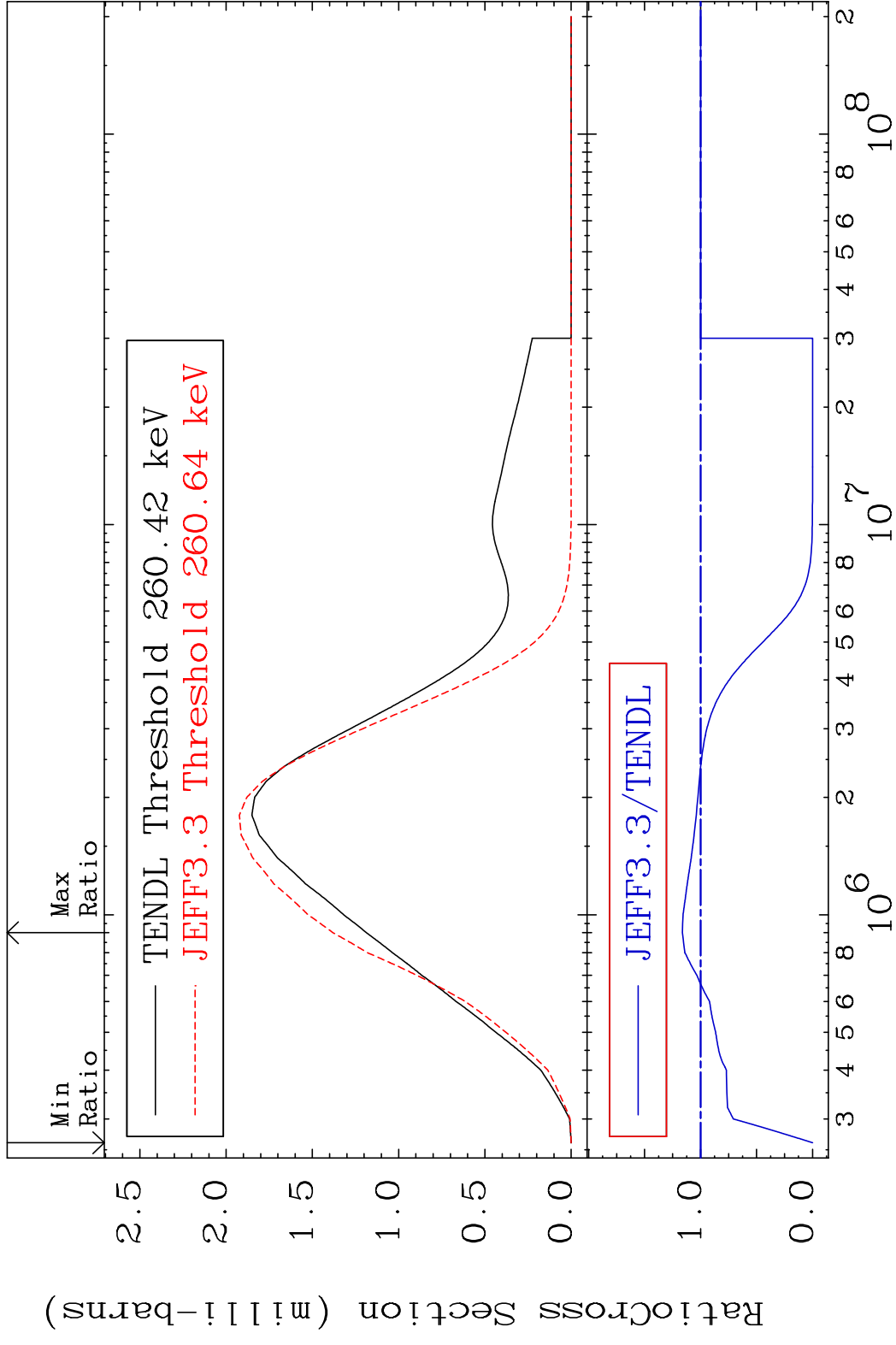
MAT 7840 MT= 55 (n,n') Level 78-Pt-195
 Cross Section -2.025 To 24.98 %



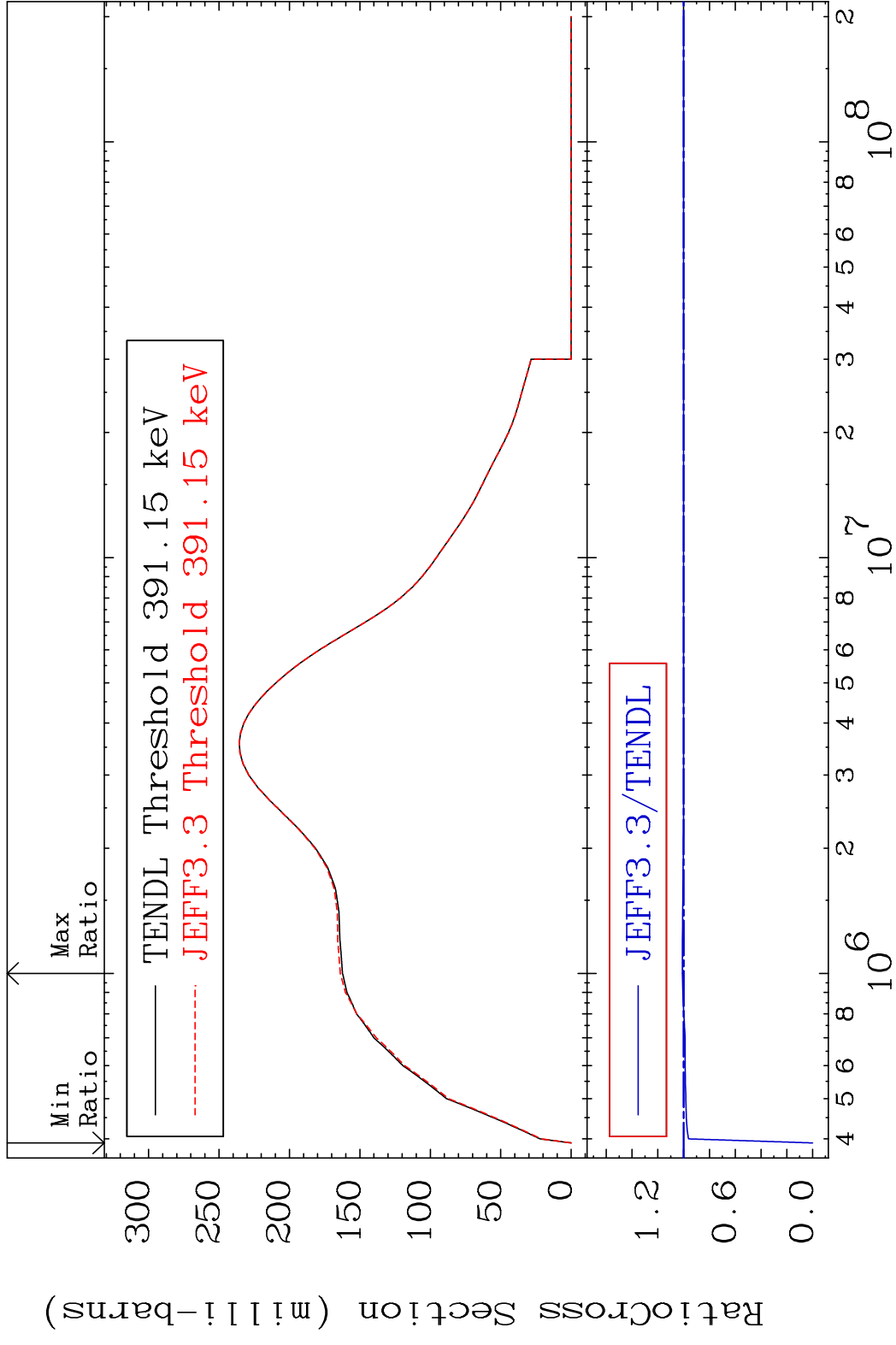
MAT 7840 MT= 56 (n,n') Level 78-Pt-195
 Cross Section -100.0 To 24.96 %



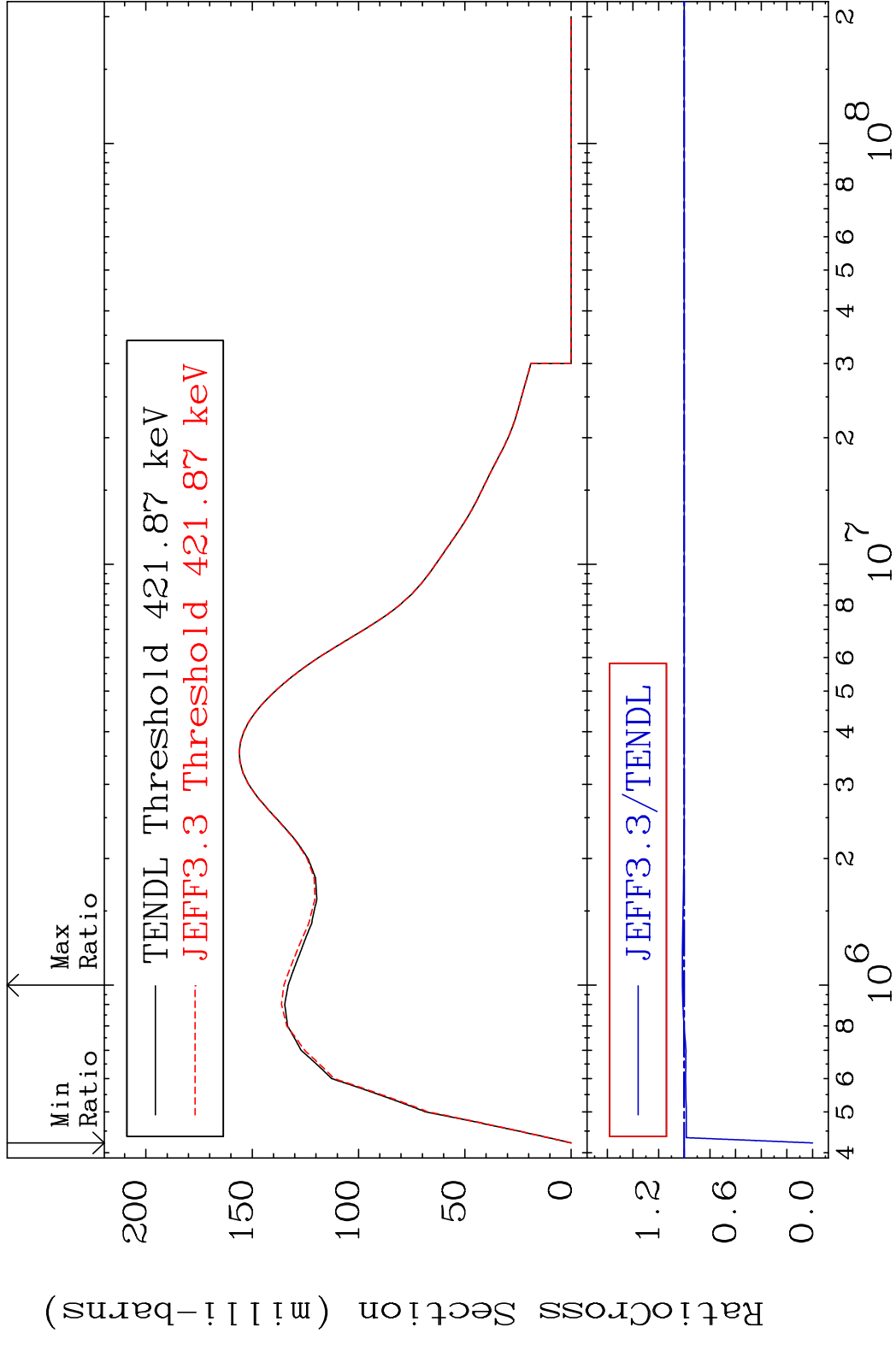
MAT 7840 MT= 57 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 16.31 %



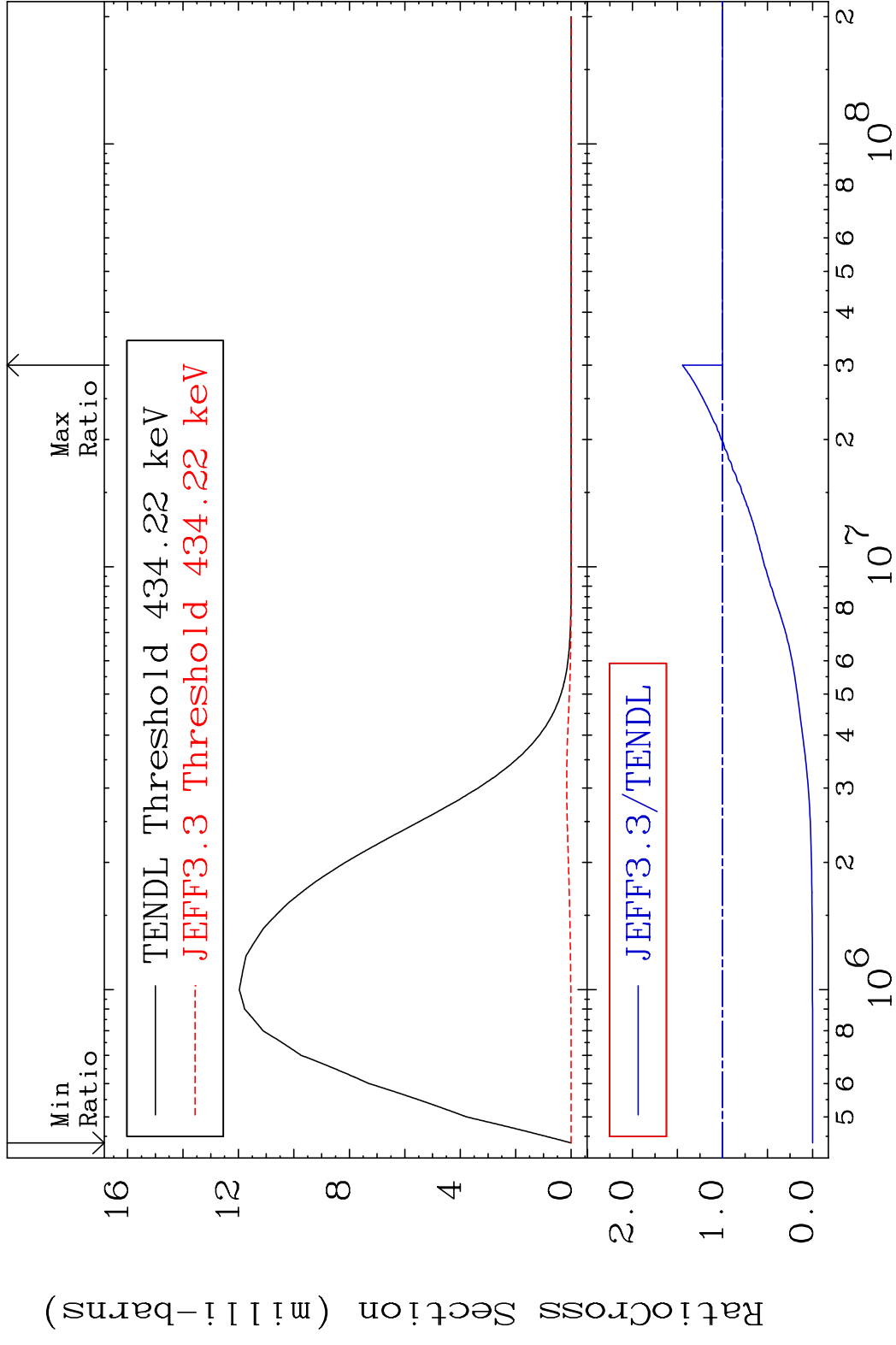
MAT 7840 MT= 58 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 0.994 %



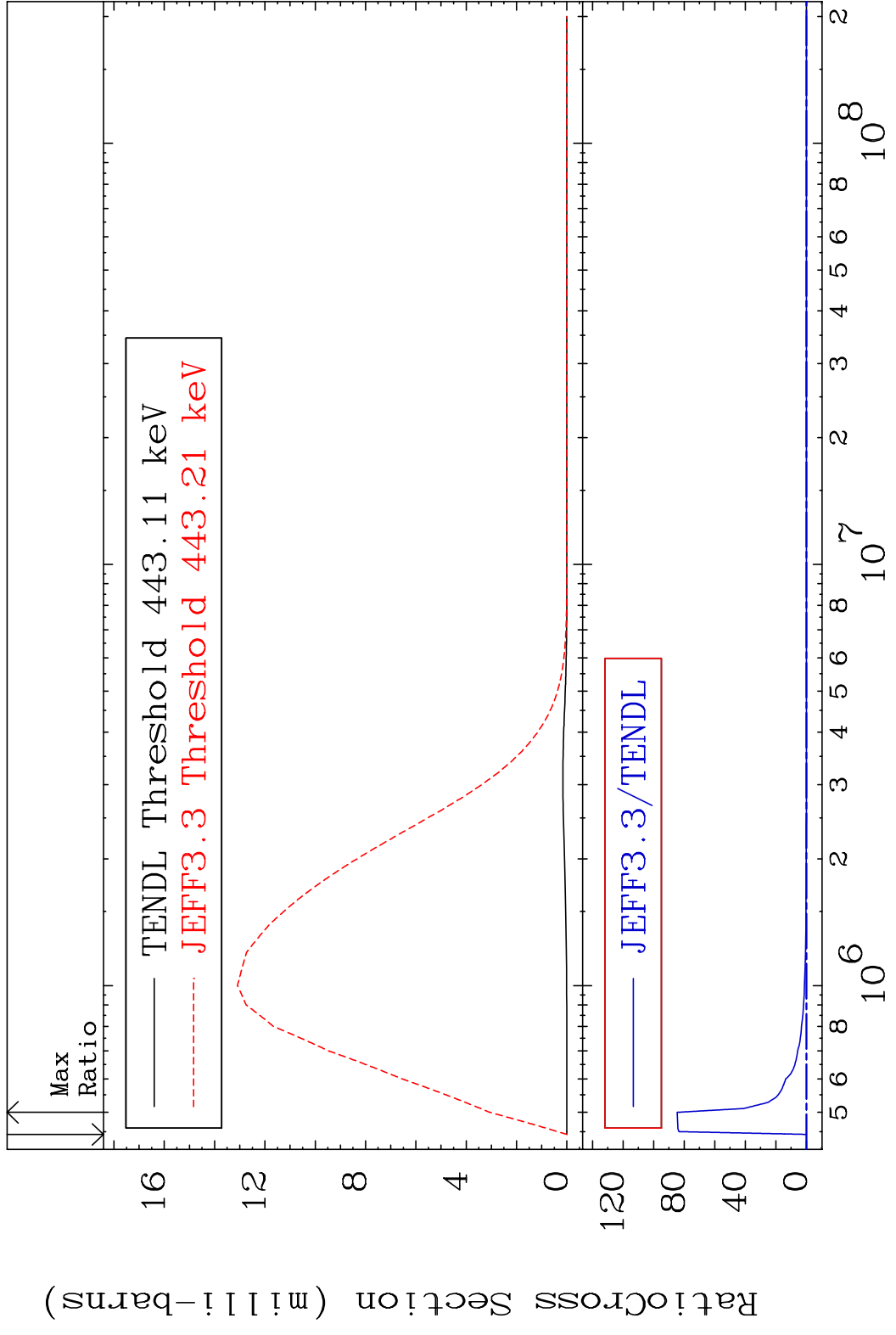
MAT 7840 MT= 59 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 1.514 %



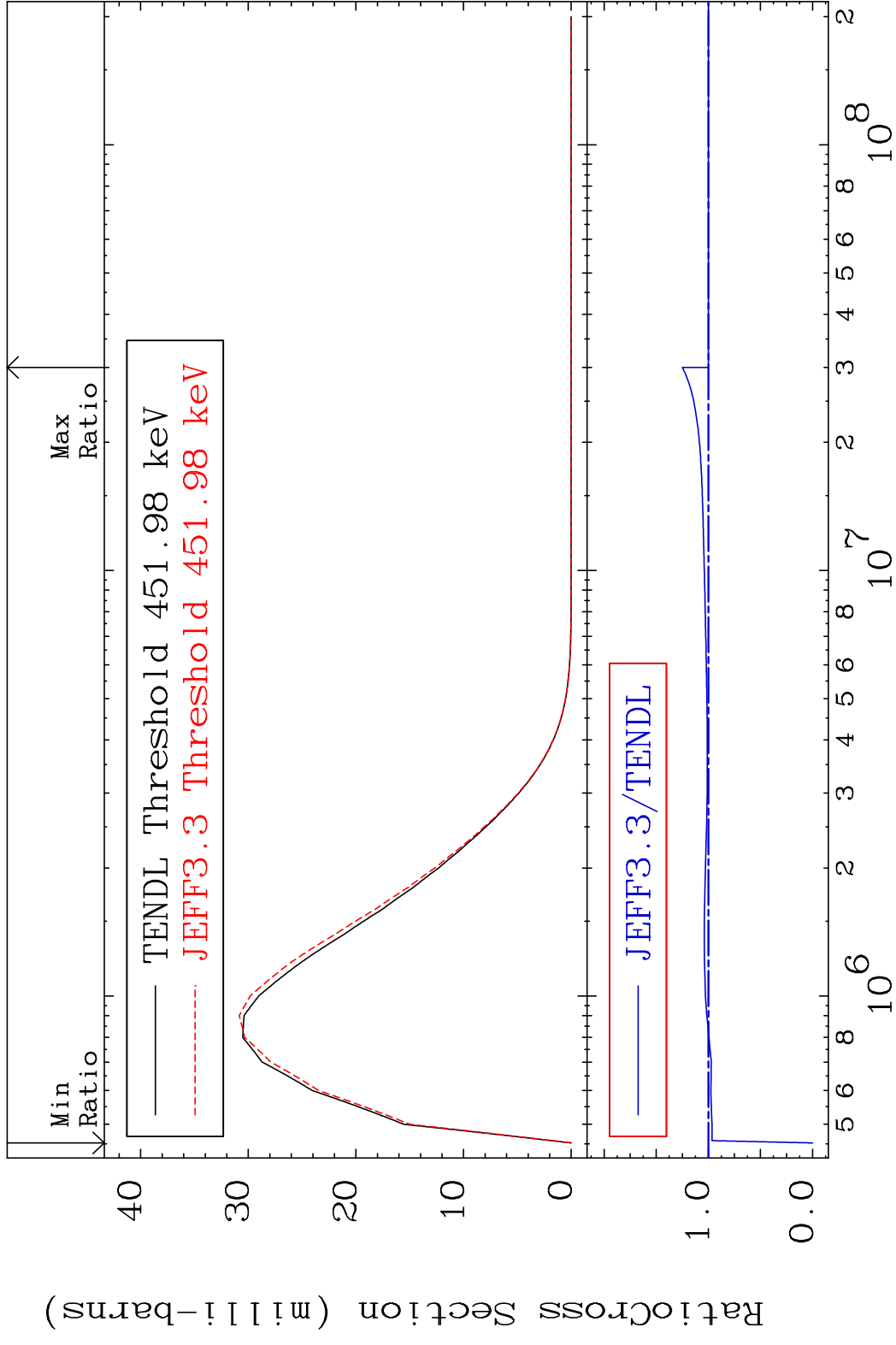
MAT 7840 MT= 60 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 44.58 %



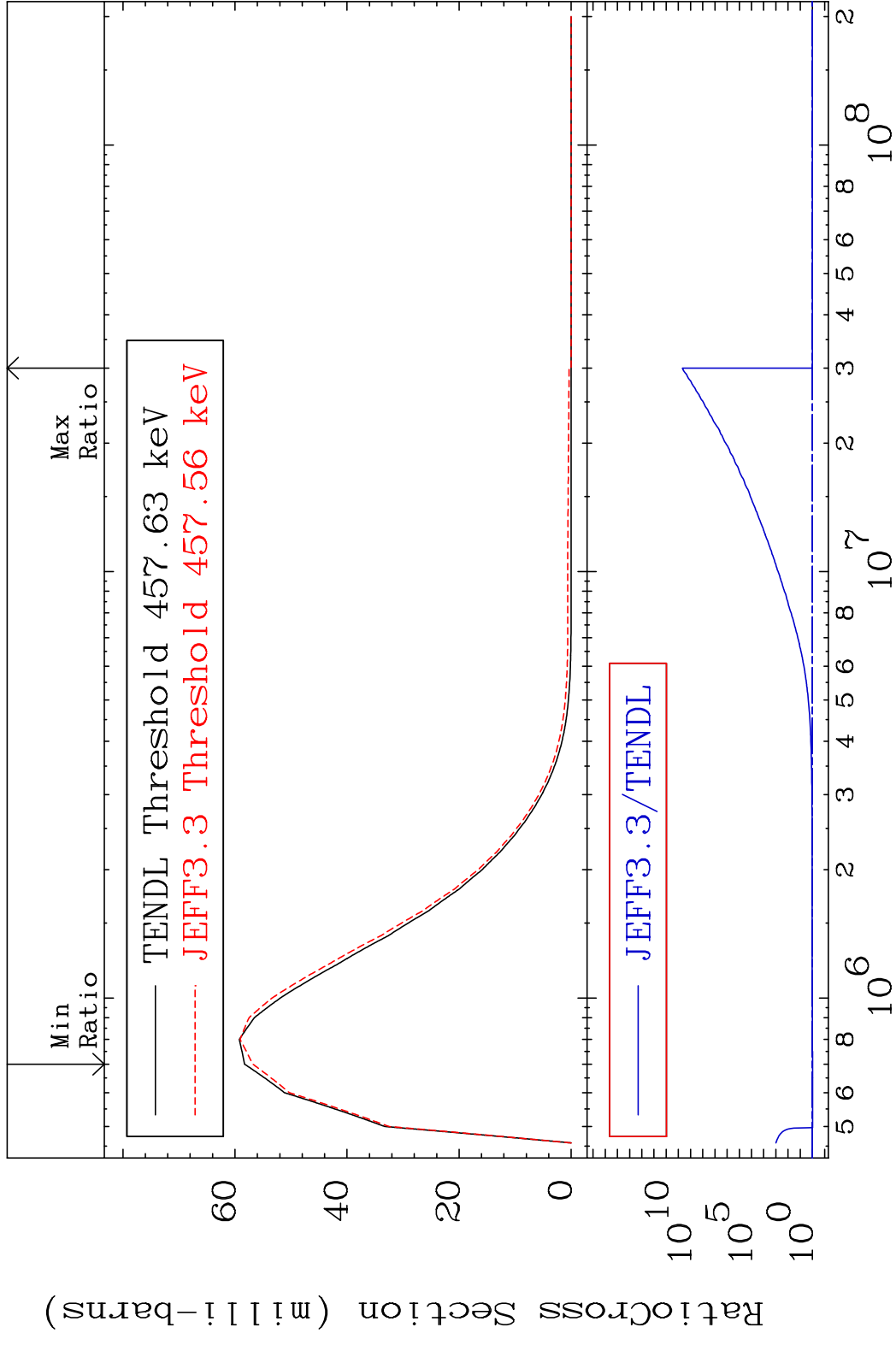
MAT 7840 MT= 61 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 9999. %



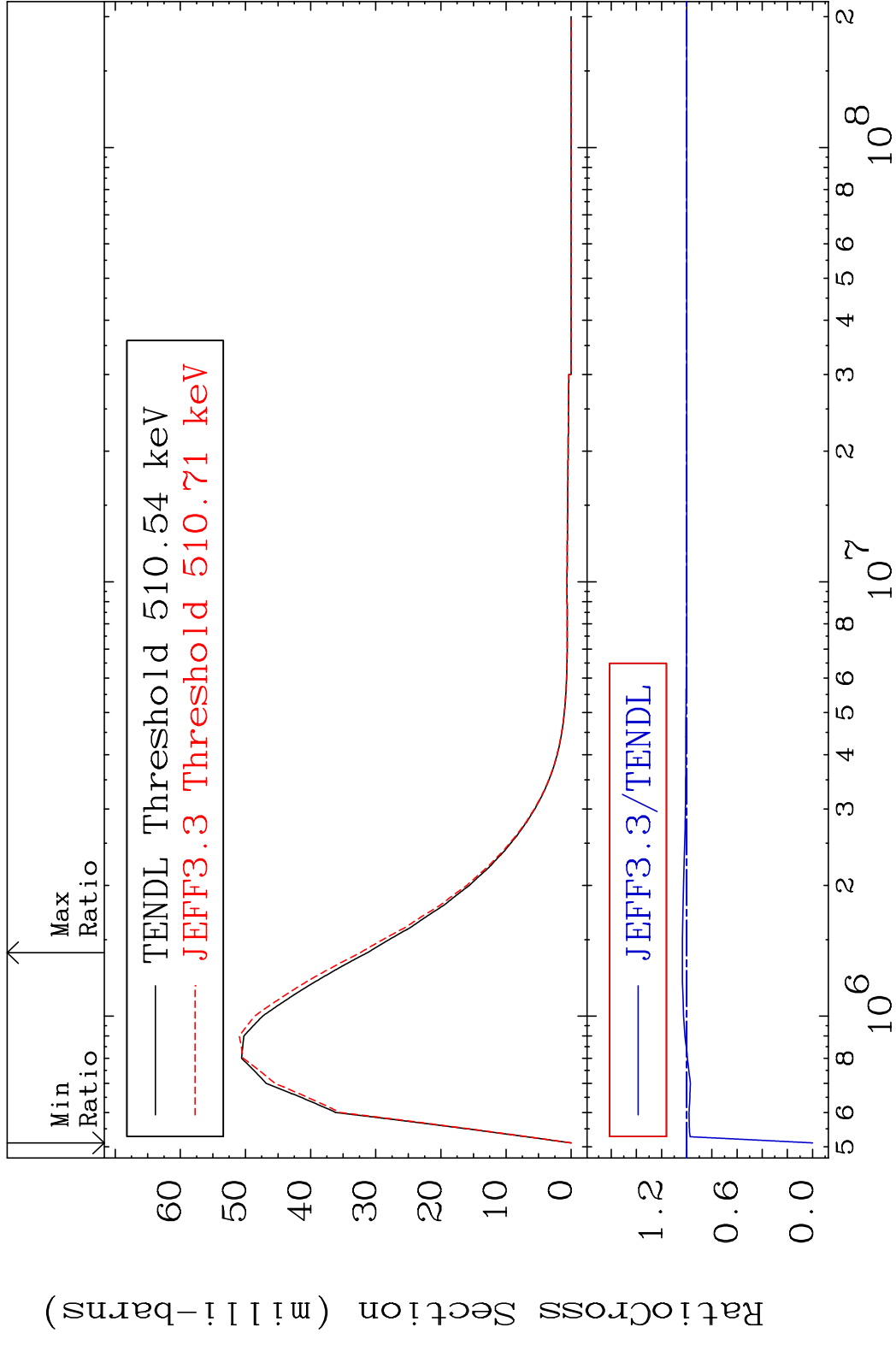
MAT 7840 MT= 62 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 24.95 %



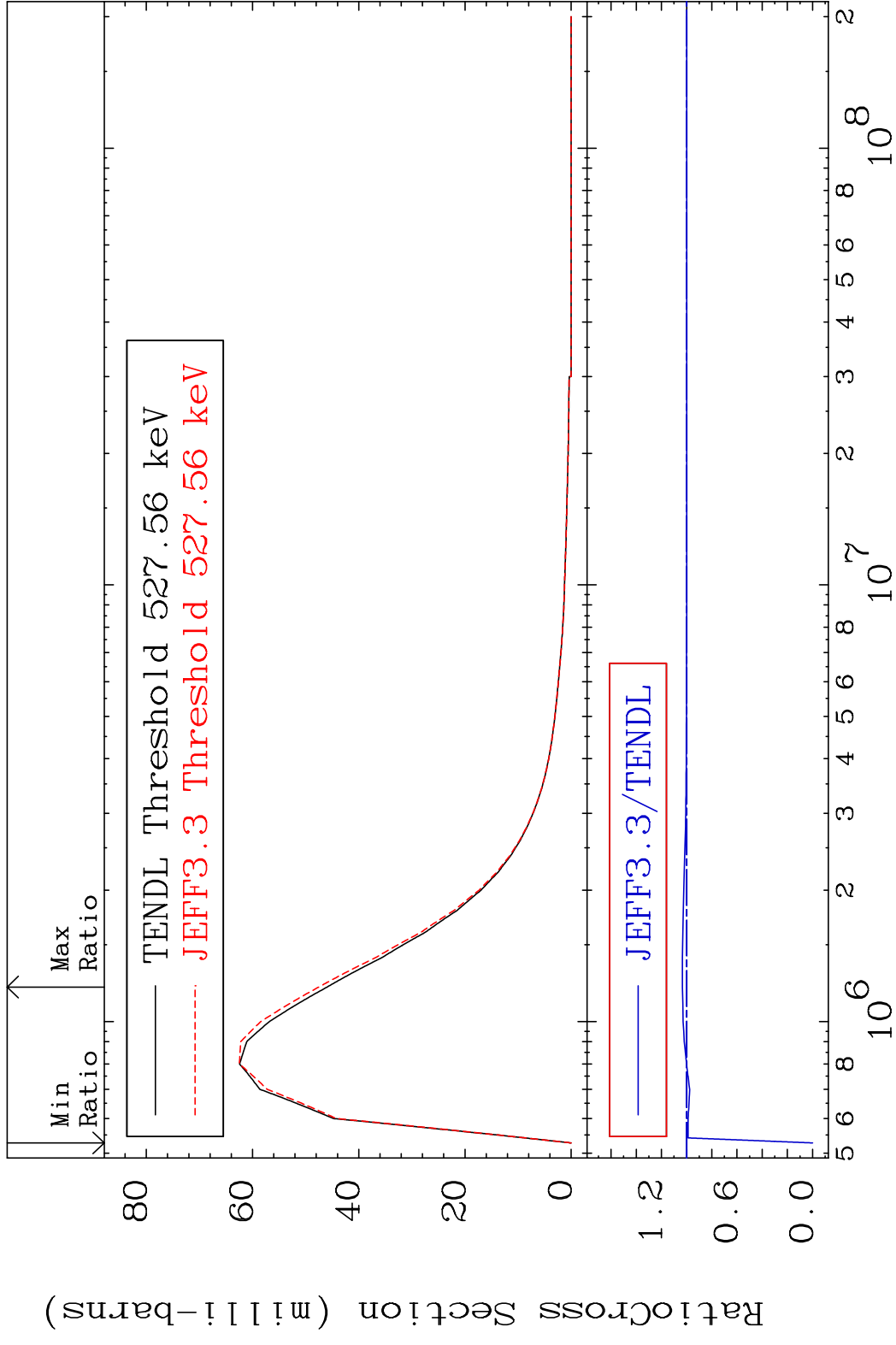
MAT 7840 MT= 63 (n, n') Level 78-Pt-195
 Cross Section -2.490 To 9999. %



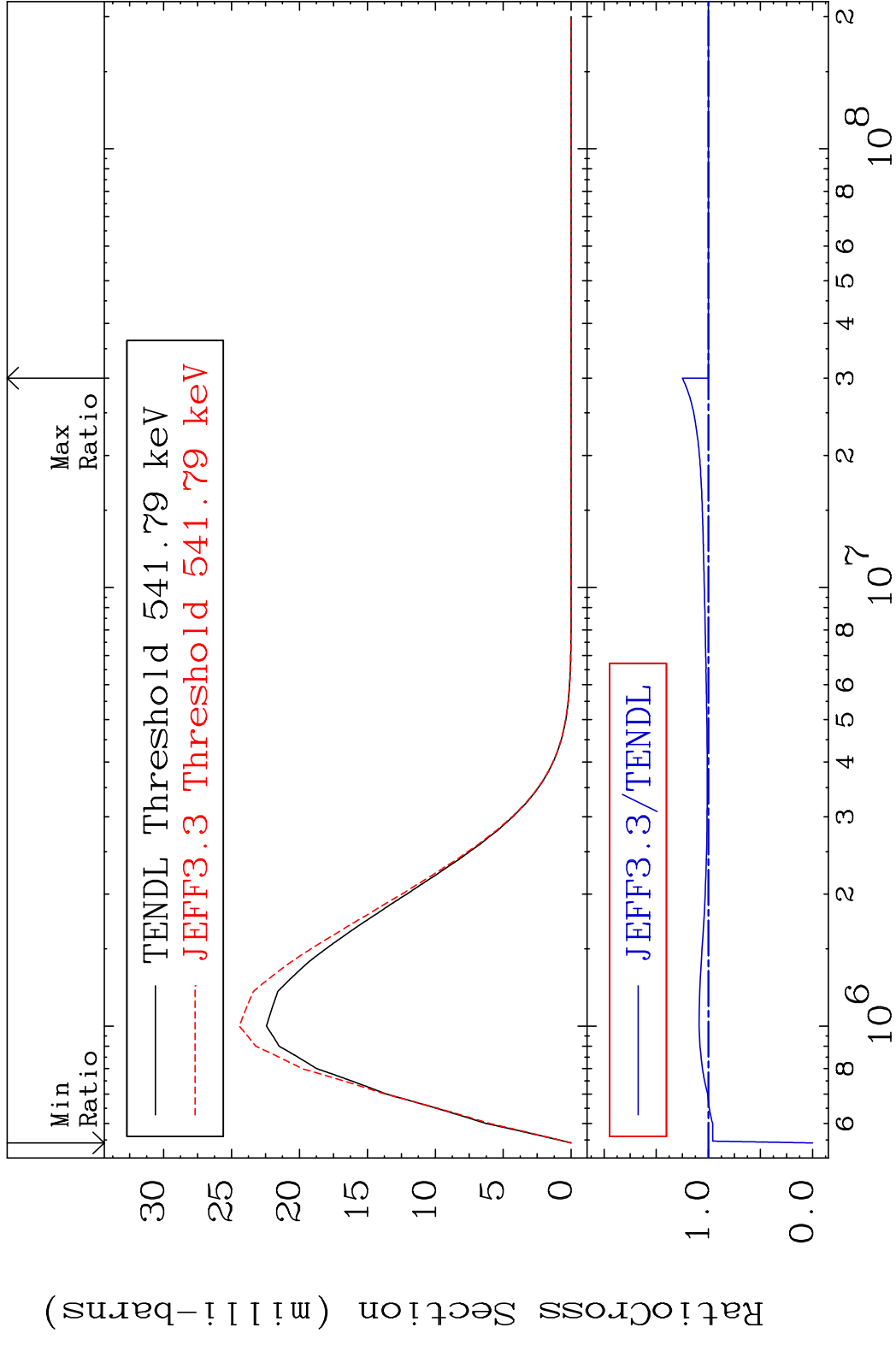
MAT 7840 MT= 64 (n,n') Level 78-Pt-195
 Cross Section -100.0 To 3.494 %



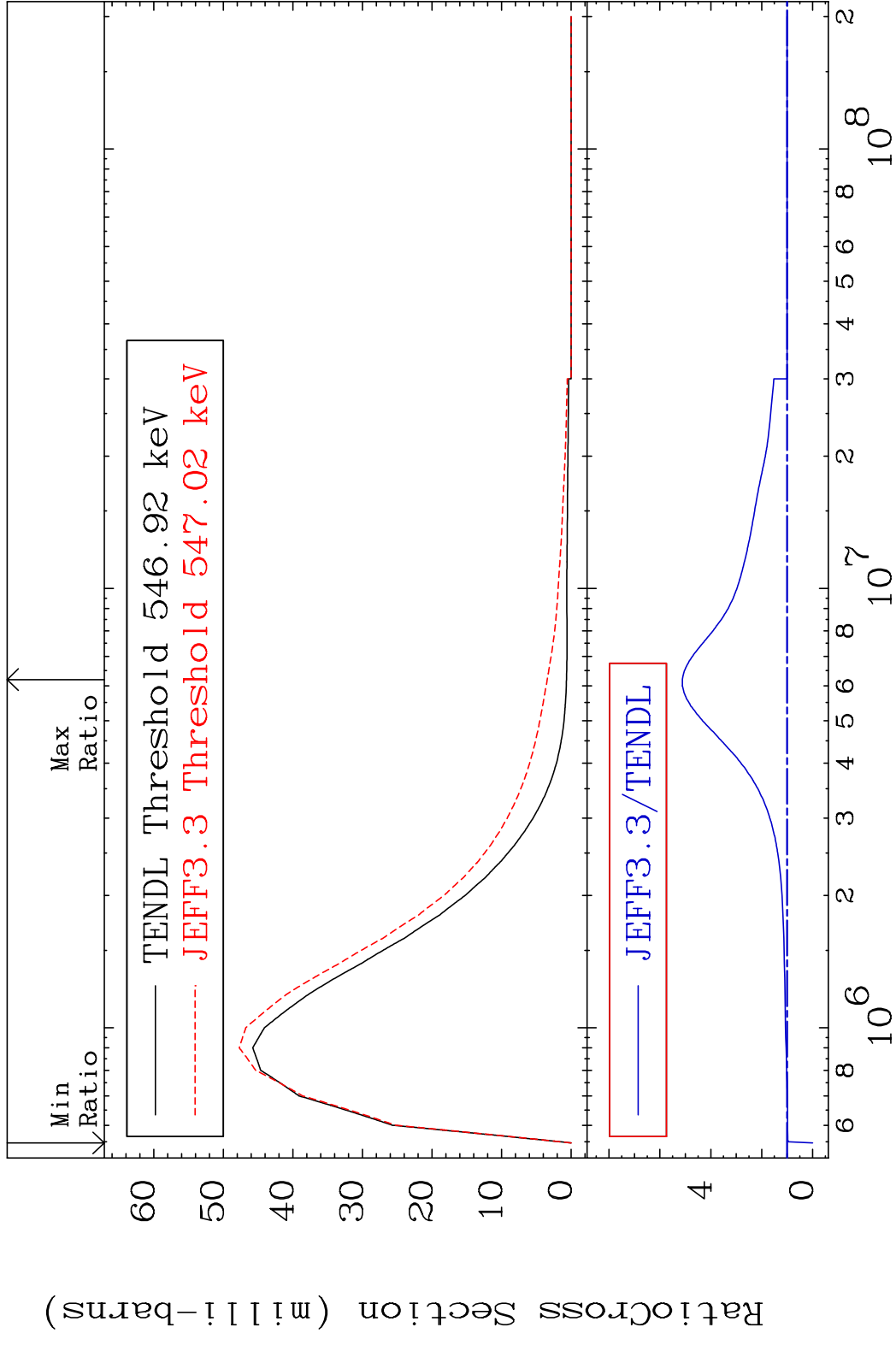
MAT 7840 MT= 65 (n,n') Level 78-Pt-195
 Cross Section -100.0 To 3.393 %



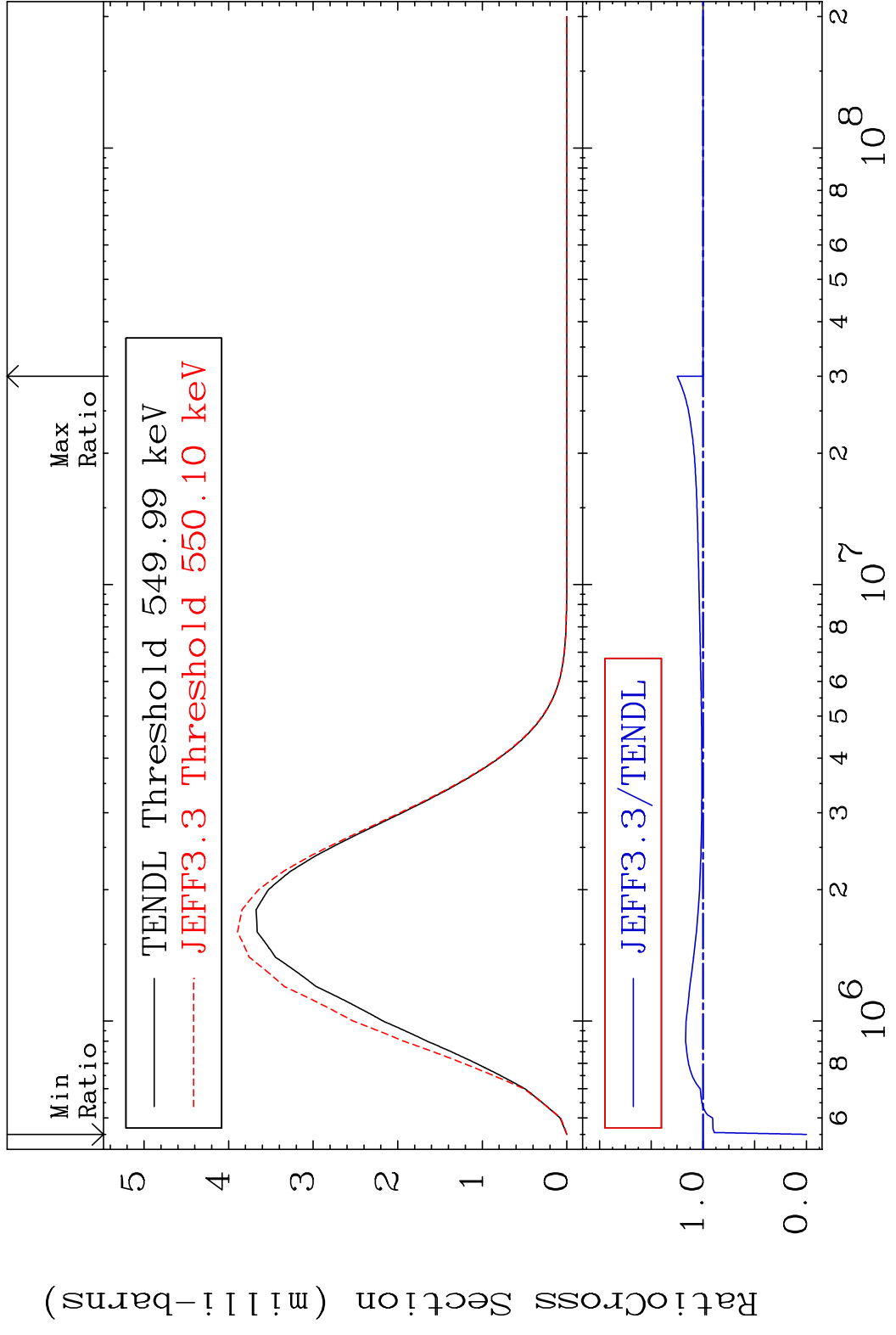
MAT 7840 MT= 66 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 24.95 %



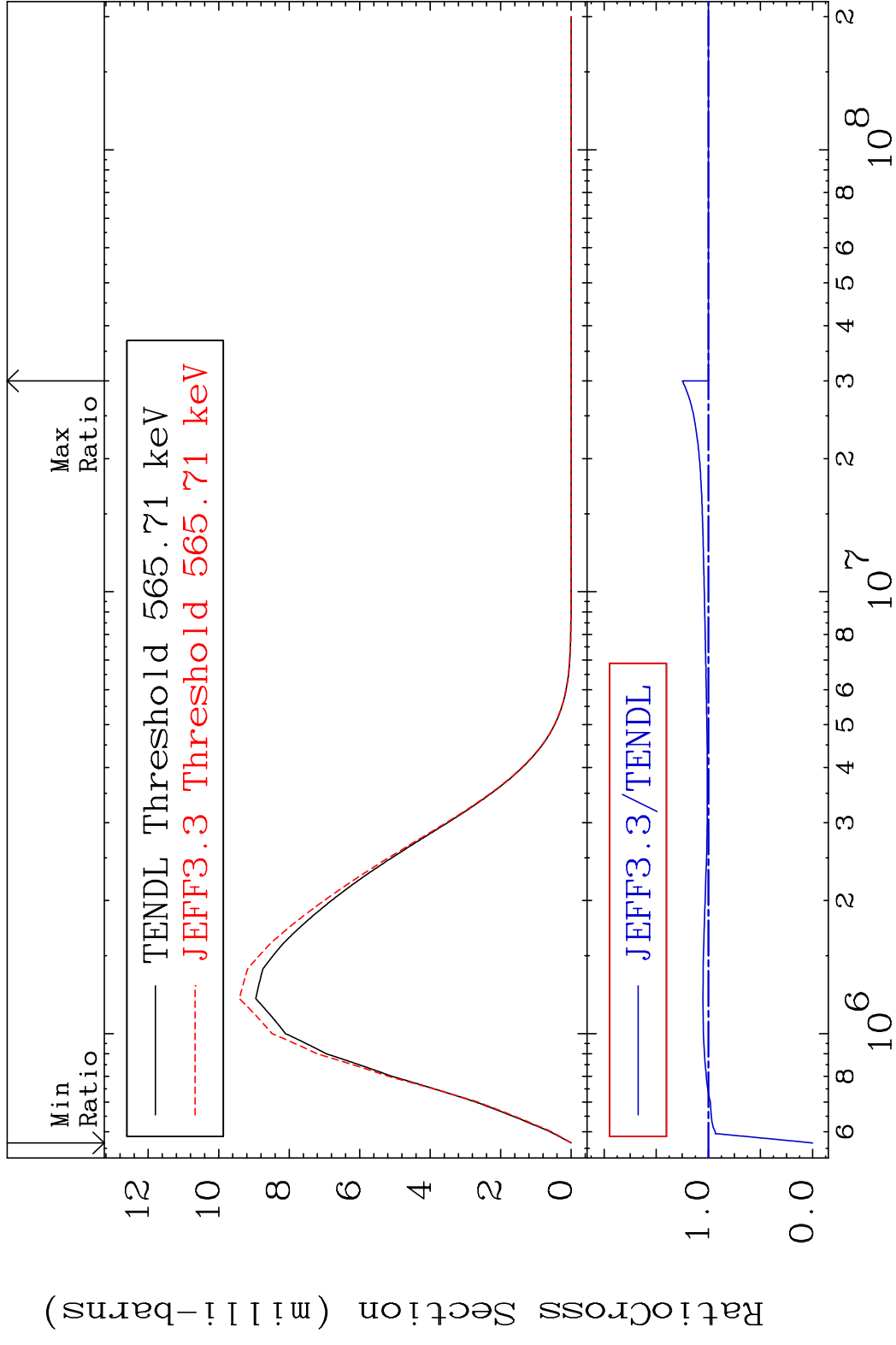
MAT 7840 MT= 67 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 411.7 %



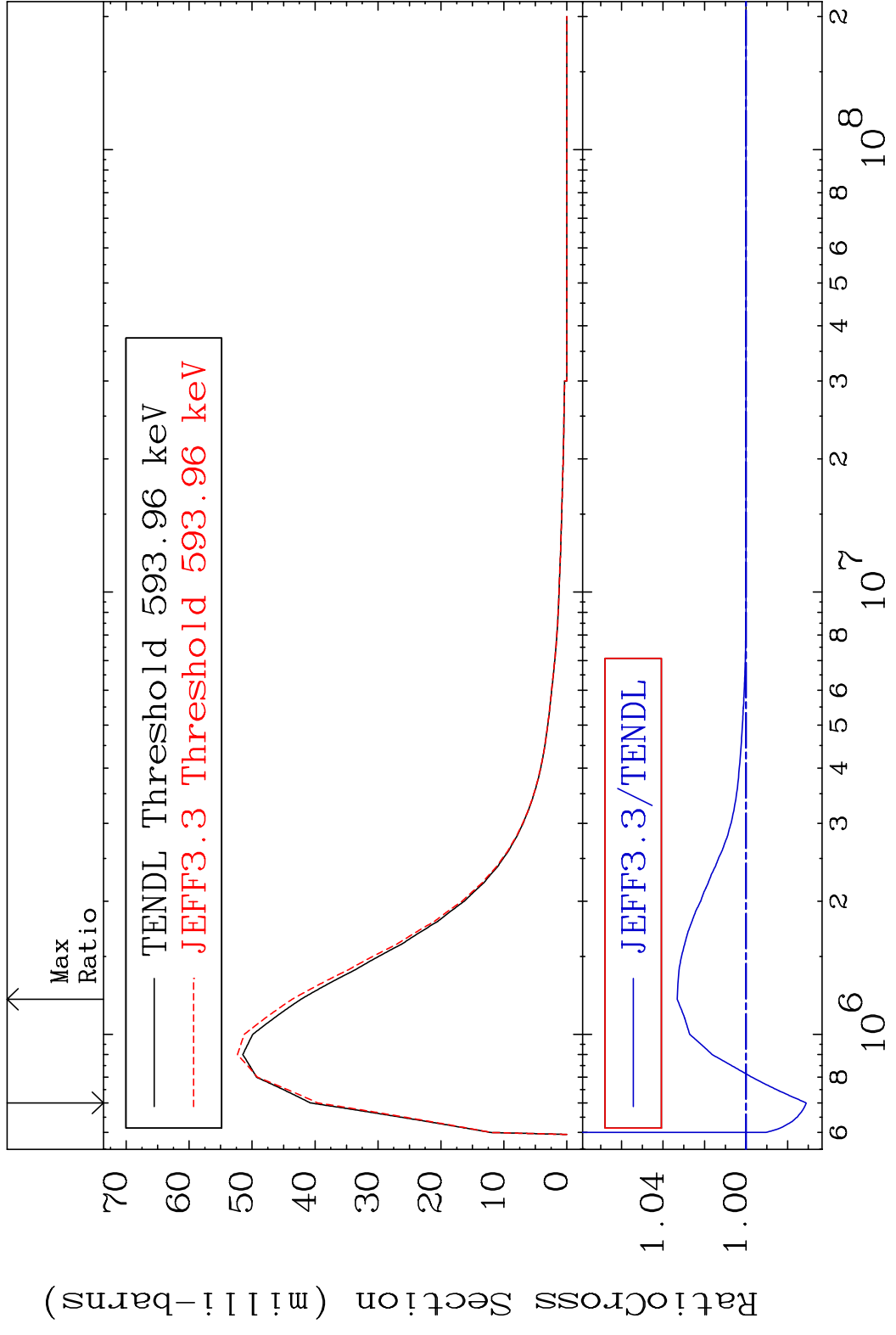
MAT 7840 MT= 68 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 24.89 %



MAT 7840 MT= 69 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 24.92 %



MAT 7840 MT= 70 (n,n') Level 78-Pt-195
 Cross Section -2.905 To 3.319 %

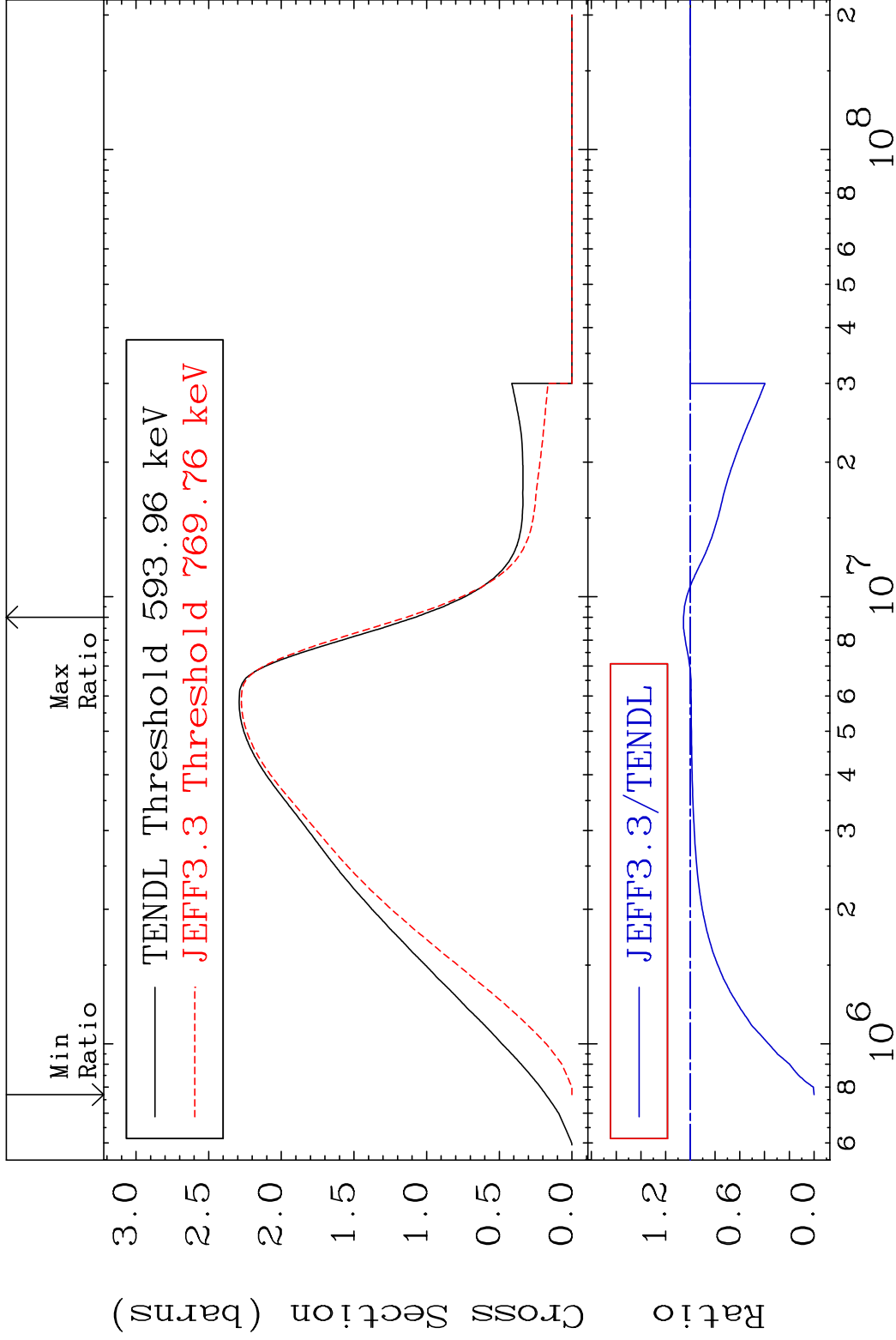


MAT 7840

(n, n') Continuum

78-Pt-195

Cross Section -100.0 To 5.589 %



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Incident Energy (eV)

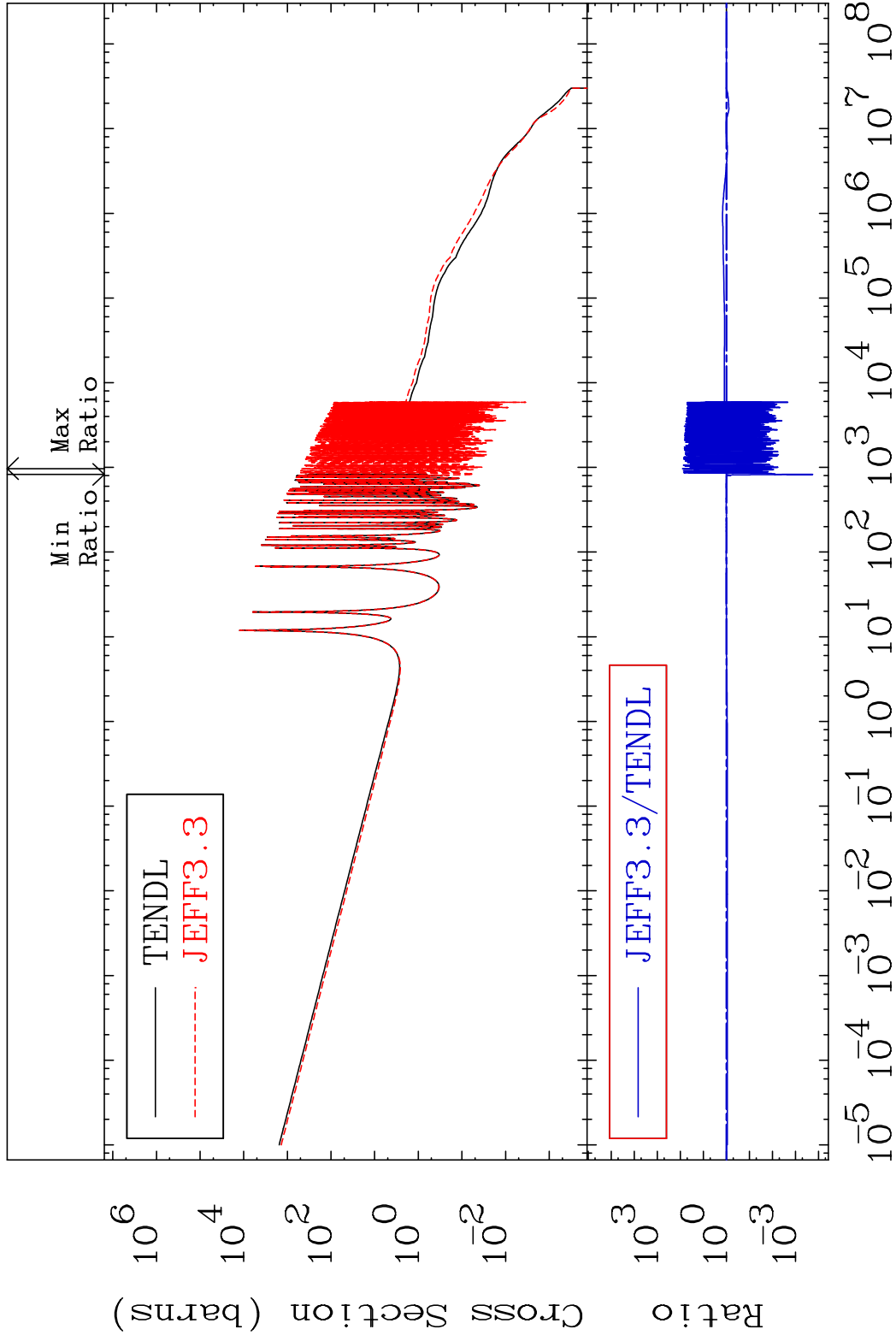
78-Pt-195

MAT 7840

(n, γ)

78-Pt-195

Cross Section -99.98 To 8002. %

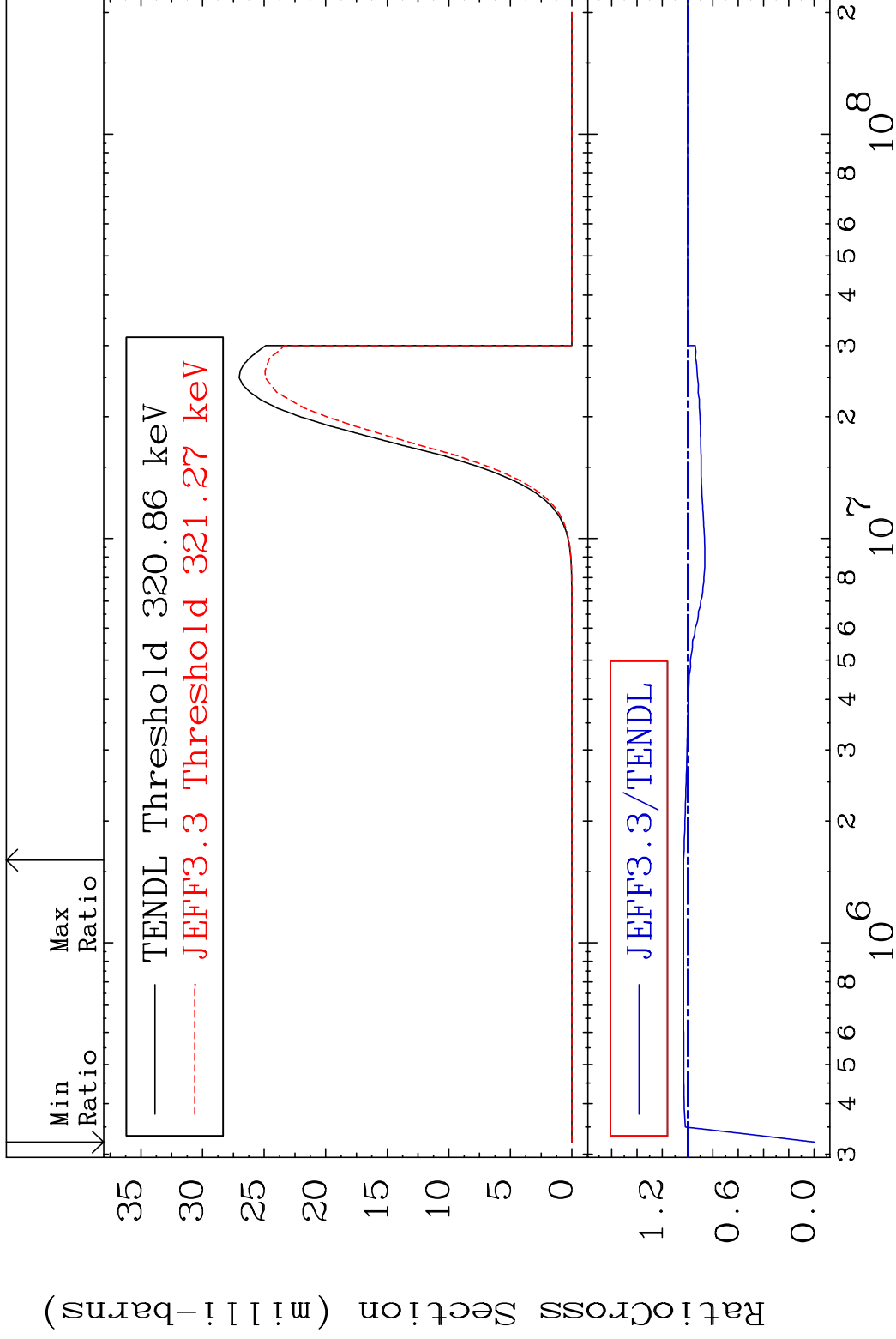


MAT 7840

(n, p)

78-Pt-195

Cross Section -100.0 To 3.255 %

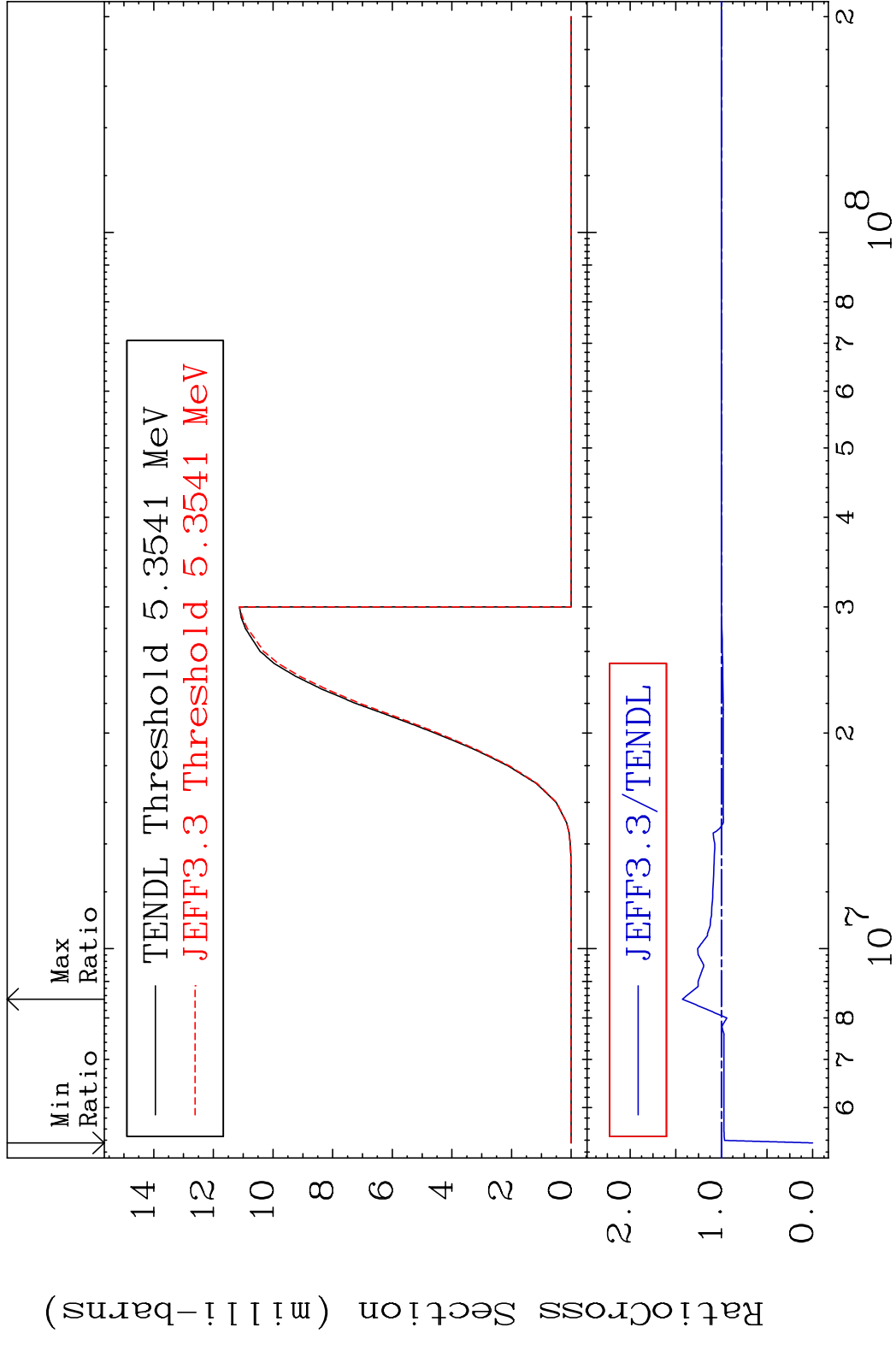


42

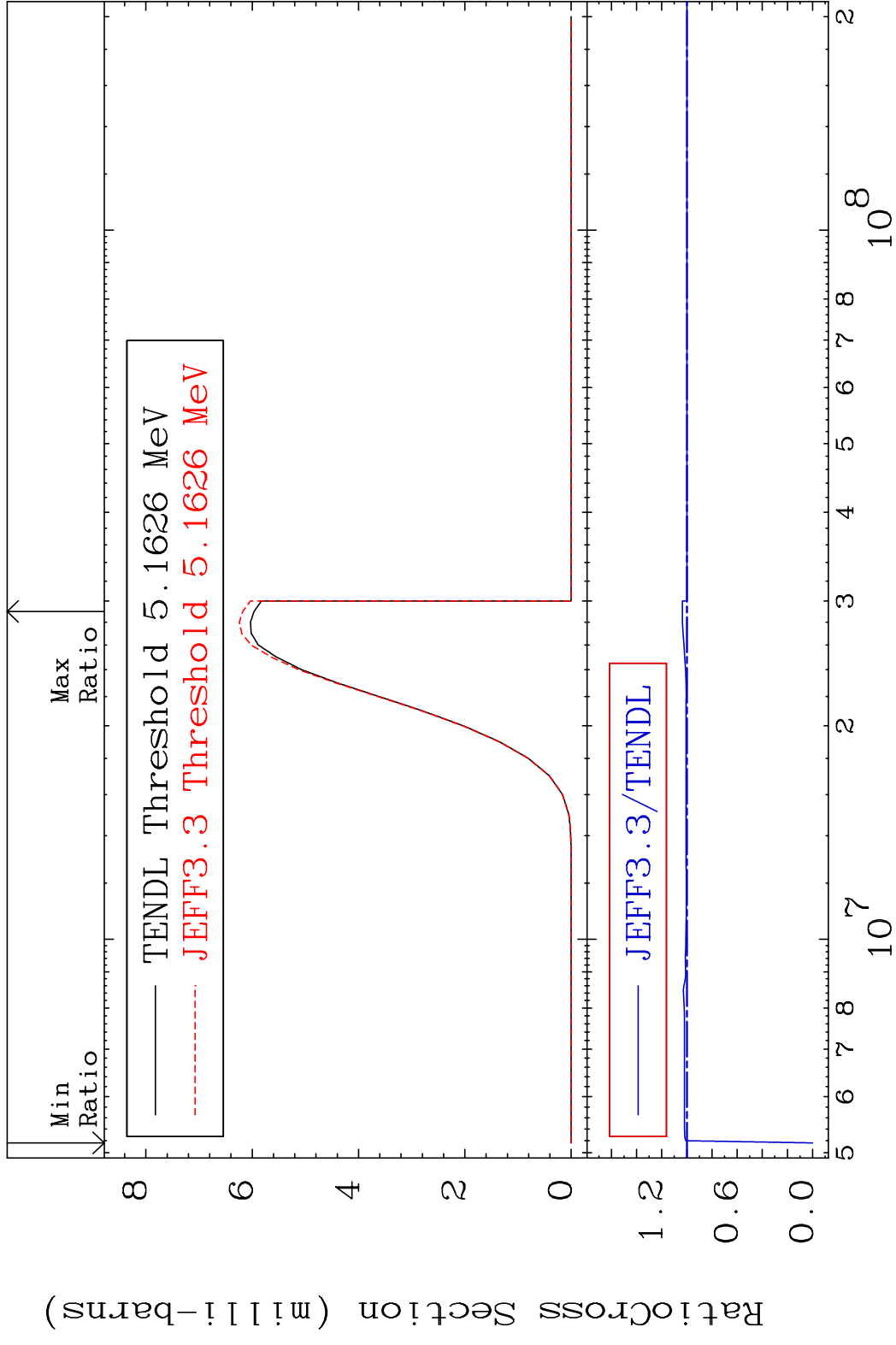
Incident Energy (eV)

78-Pt-195

MAT 7840 (n,d) 78-Pt-195
 Cross Section -100.0 To 42.78 %



MAT 7840 (n, t) 78-Pt-195
 Cross Section -100.0 To 3.576 %

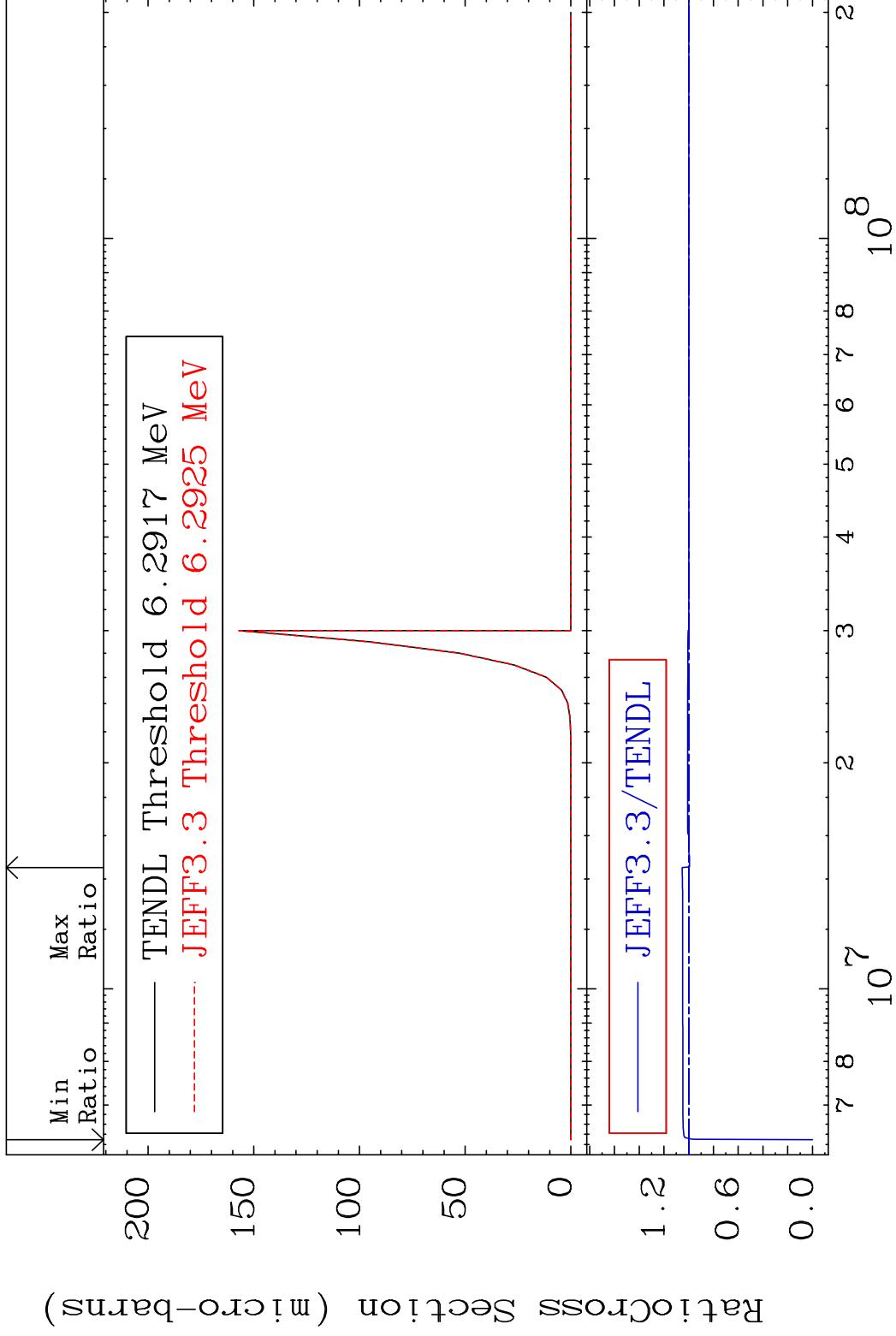


MAT 7840

(n, He-3)

78-Pt-195

Cross Section -100.0 To 5.302 %



45

Incident Energy (eV)

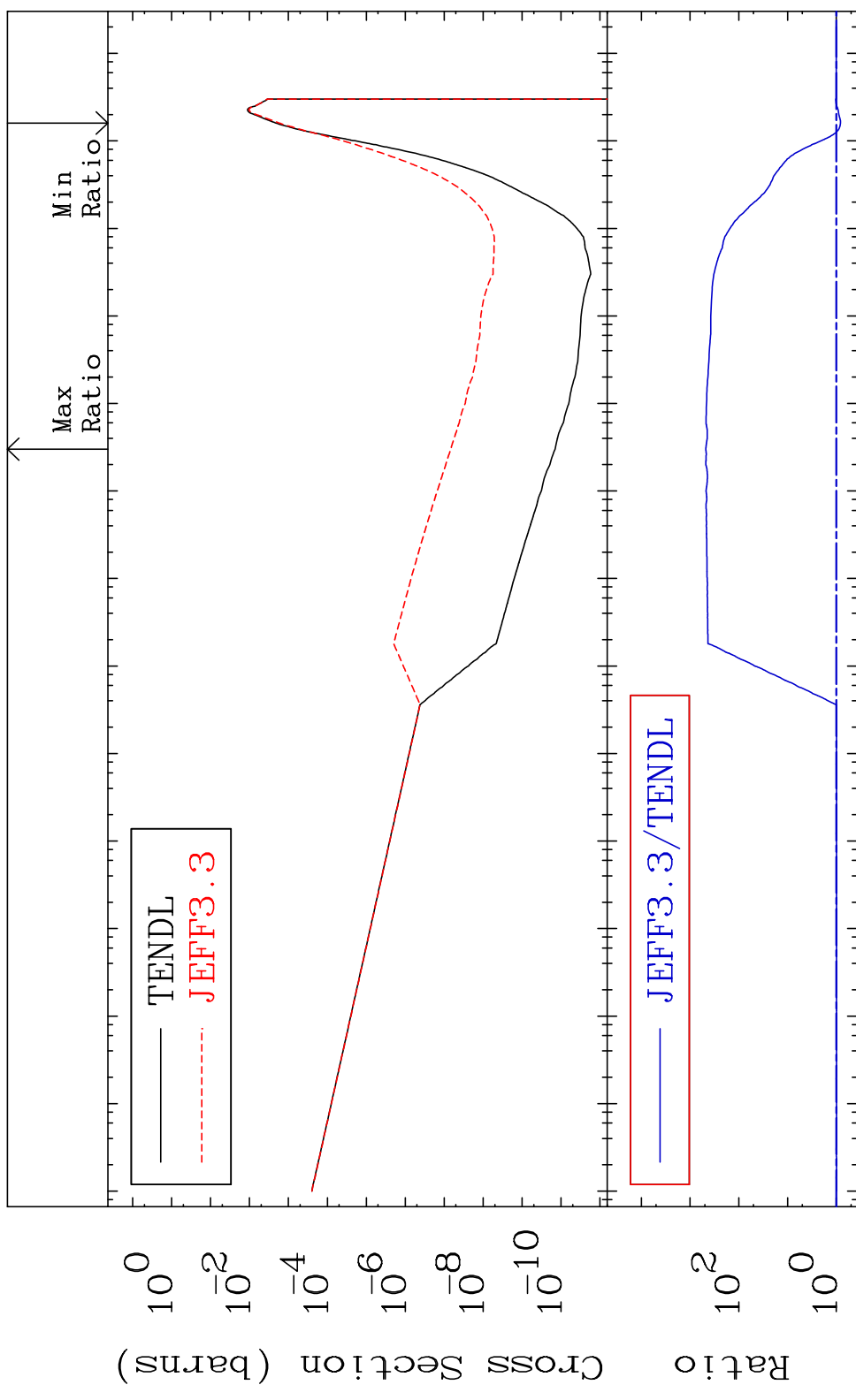
78-Pt-195

MAT 7840

(n, α)

78-Pt-195

Cross Section -17.71 To 9999. %



10⁰
10⁻²
10⁻⁴
10⁻⁶
10⁻⁸
10⁻¹⁰
Cross Section (barns)

10²
10⁰
Ratio

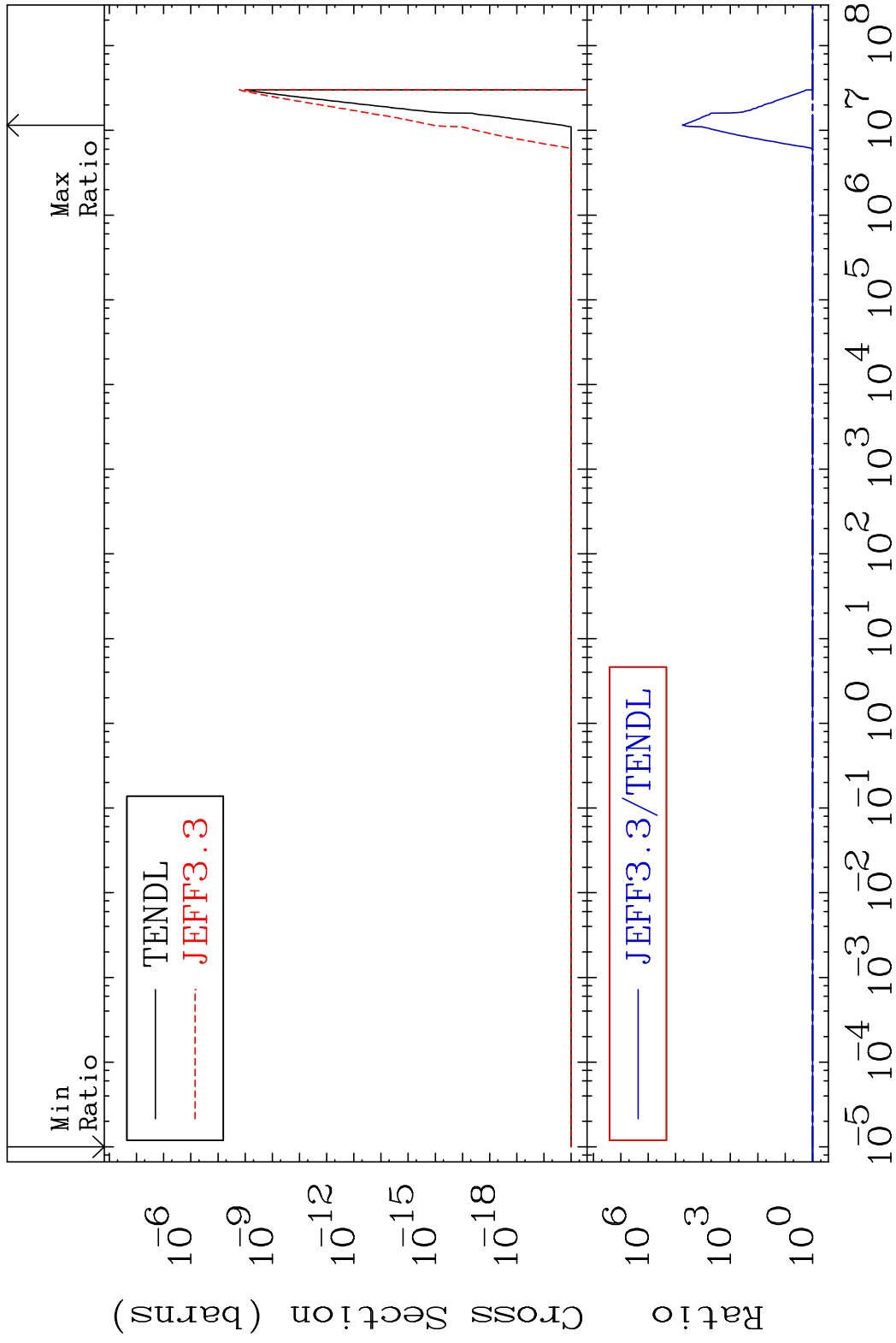
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV)

MAT 7840

(n,2α)

78-Pt-195

Cross Section 0.000 To 9999. %

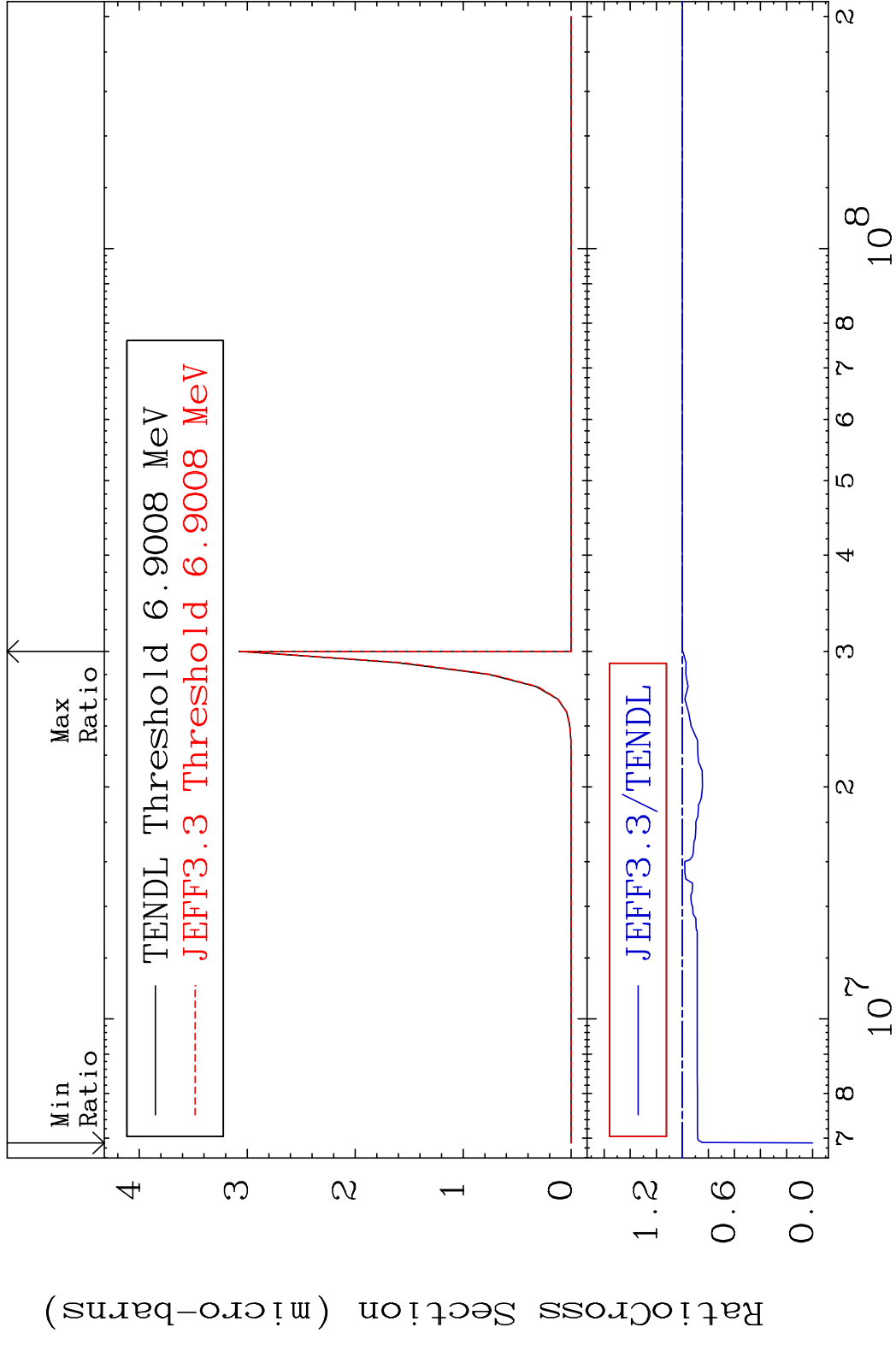


47

Incident Energy (eV)

78-Pt-195

MAT 7840 (n,2p) 78-Pt-195
 Cross Section -100.0 To 0.000 %

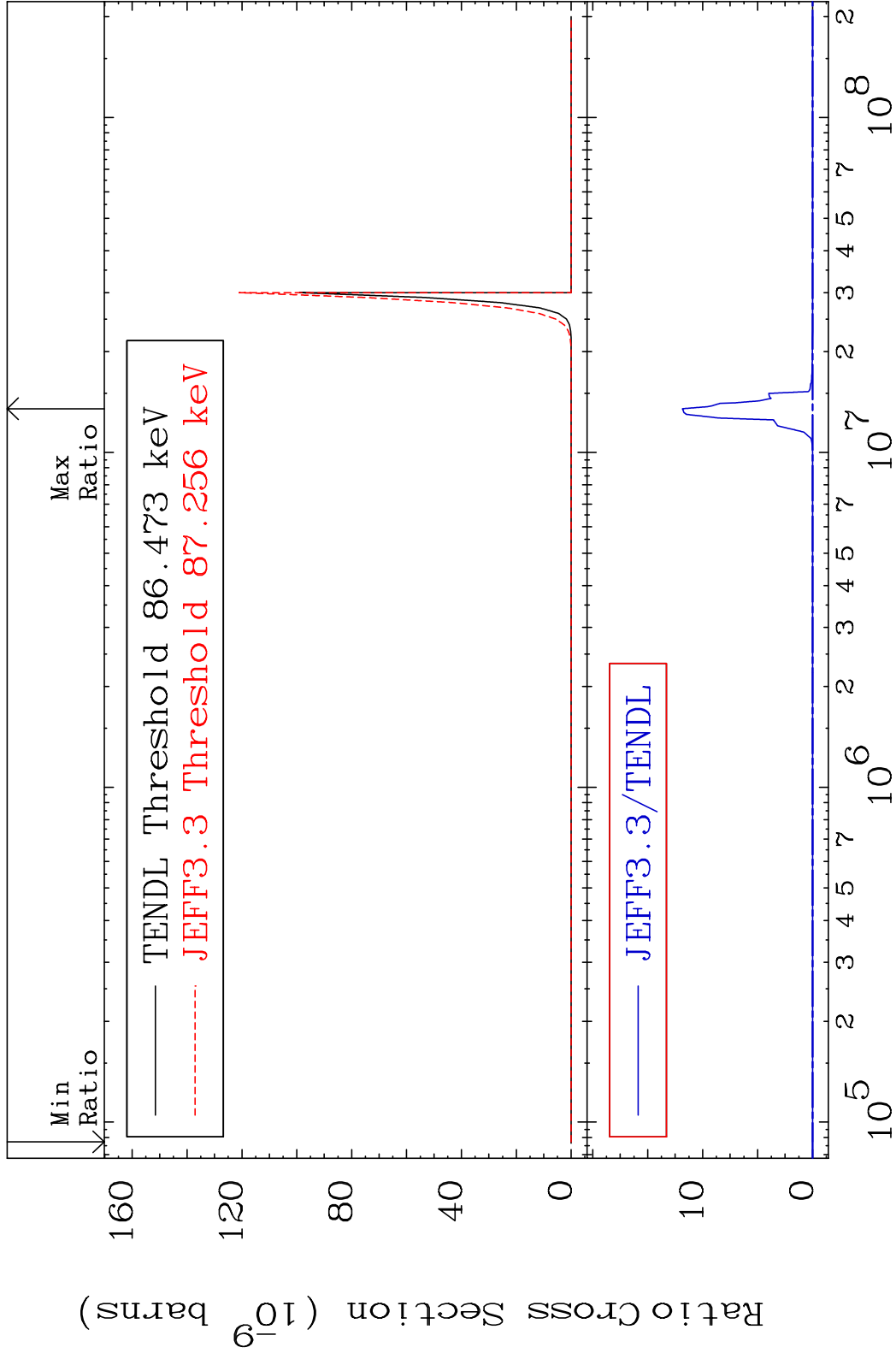


MAT 7840

(n,p) α

78-Pt-195

Cross Section -100.0 To 9999. %

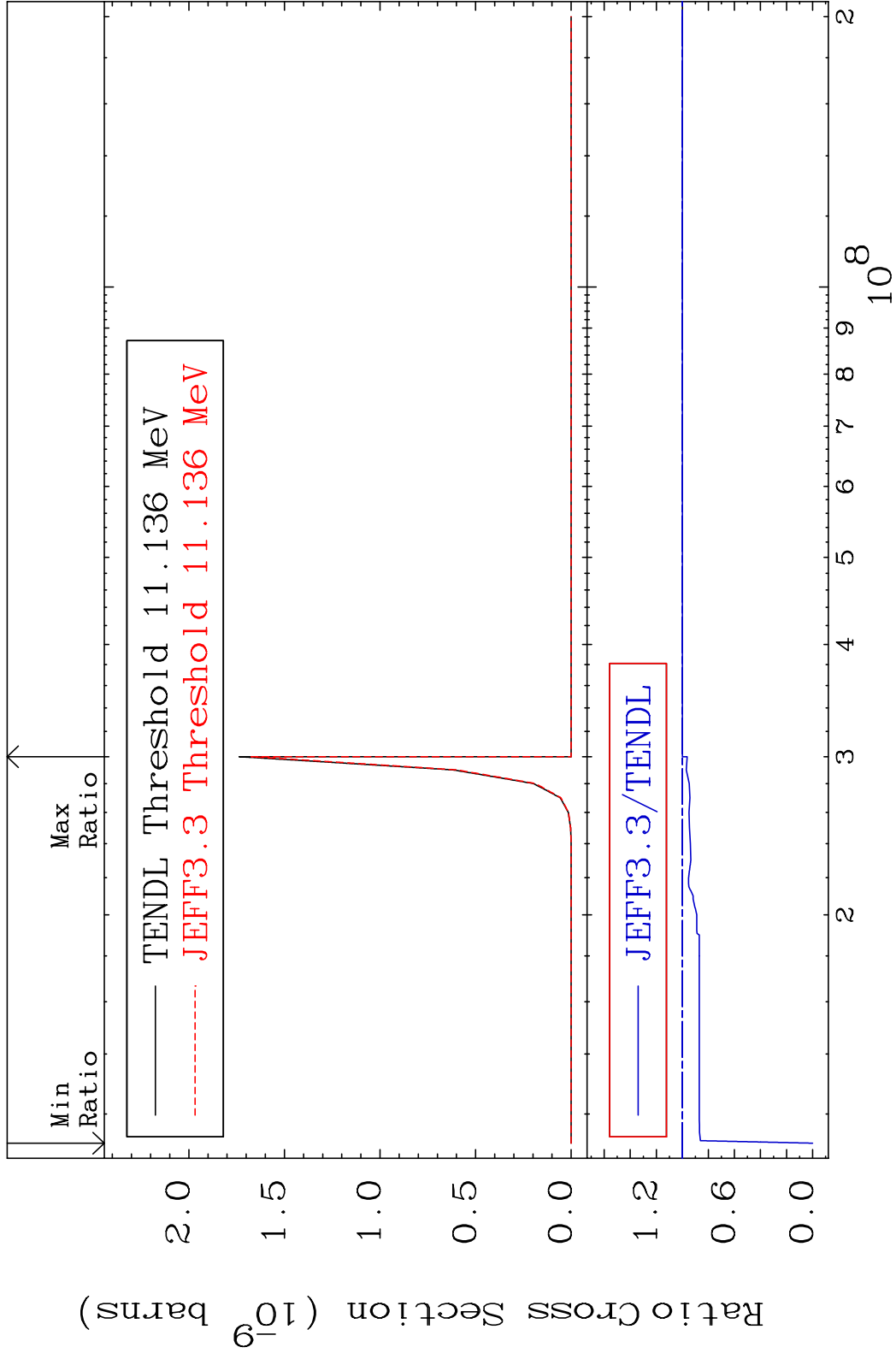


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Incident Energy (eV)

78-Pt-195

MAT 7840 (n,p) t 78-Pt-195
 Cross Section -100.0 To 0.000 %

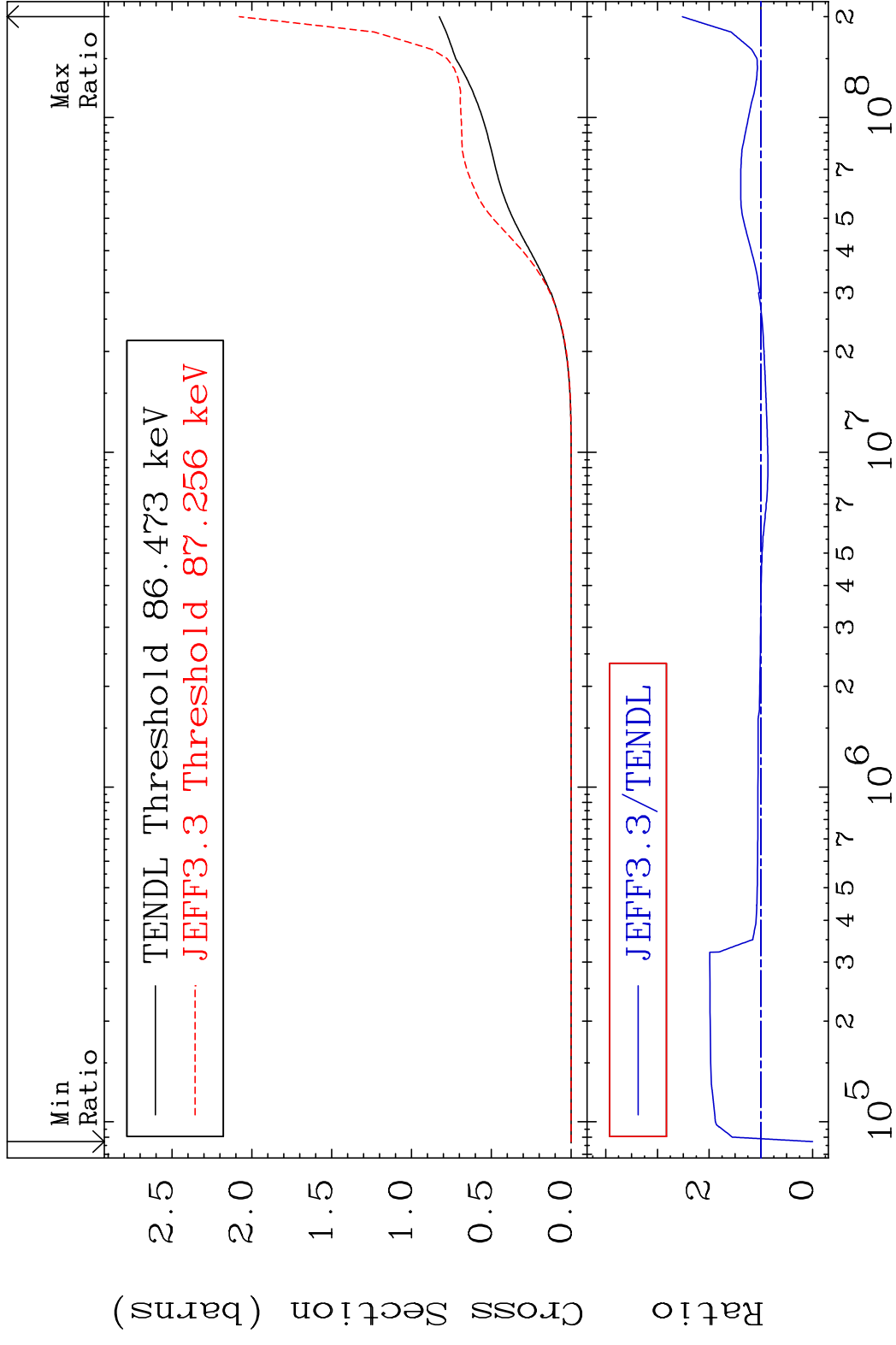


MAT 7840

Hydrogen Production

78-Pt-195

Cross Section -100.0 To 151.8 %

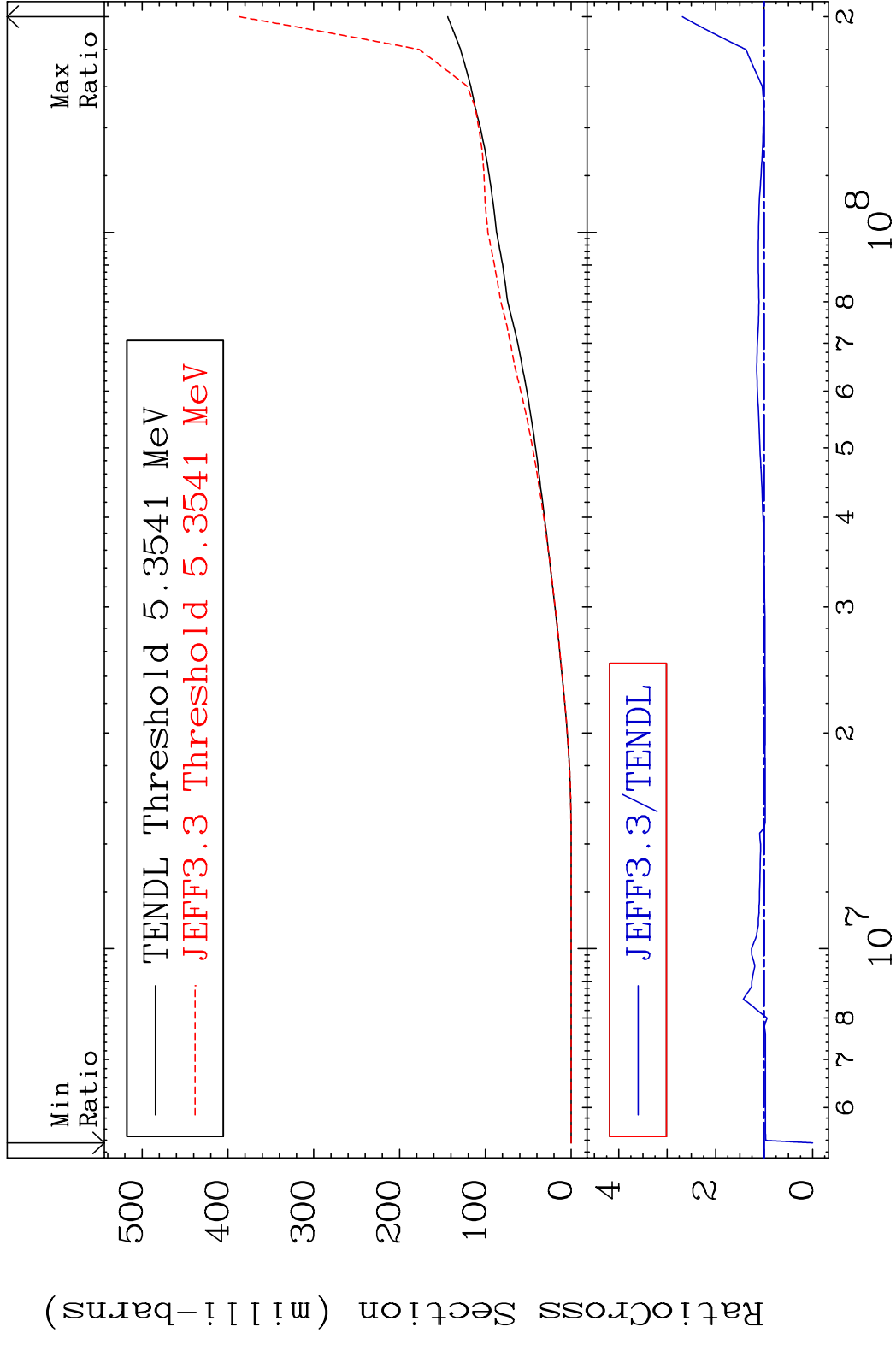


MAT 7840

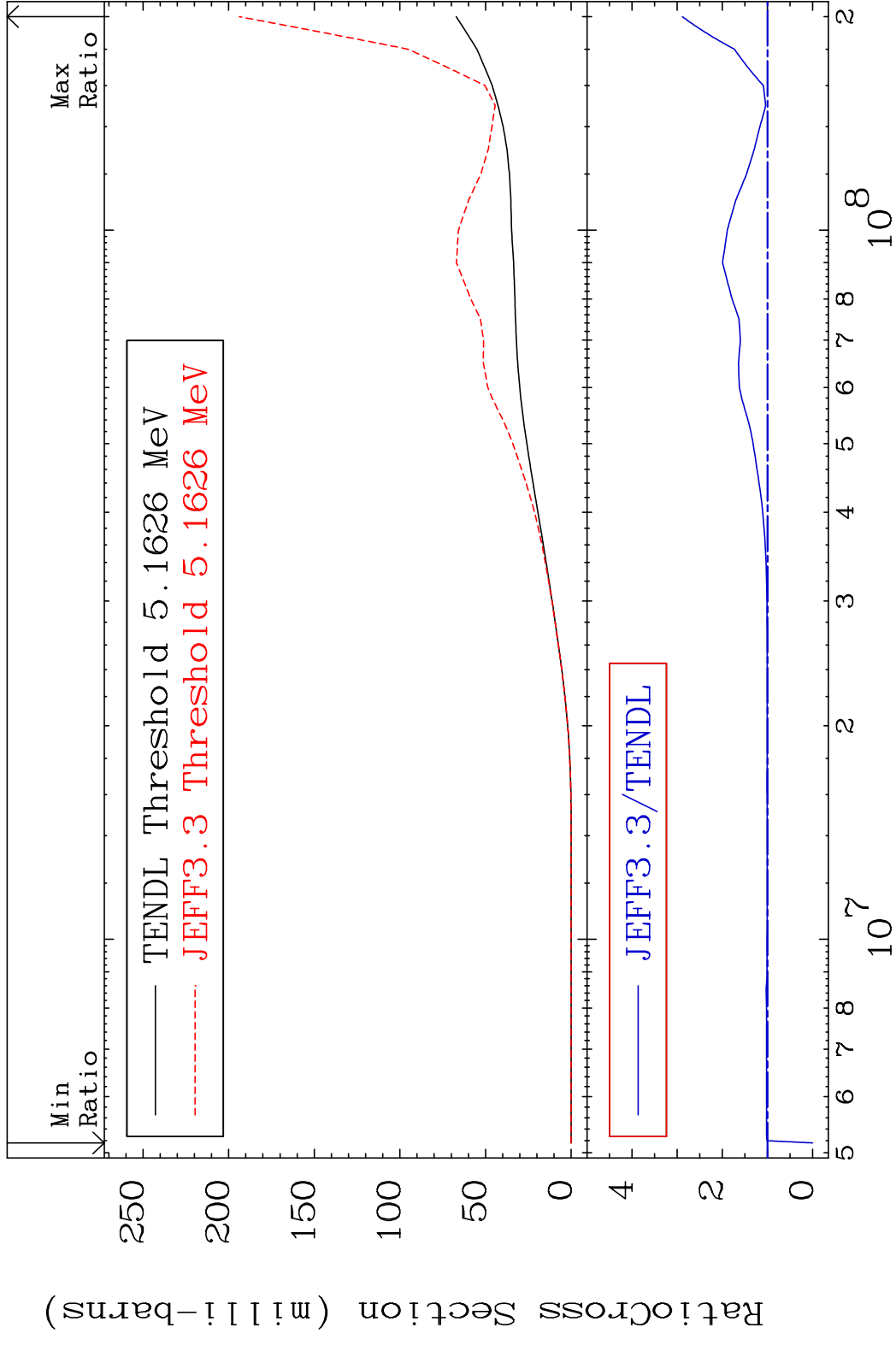
Deuterium Production

78-Pt-195

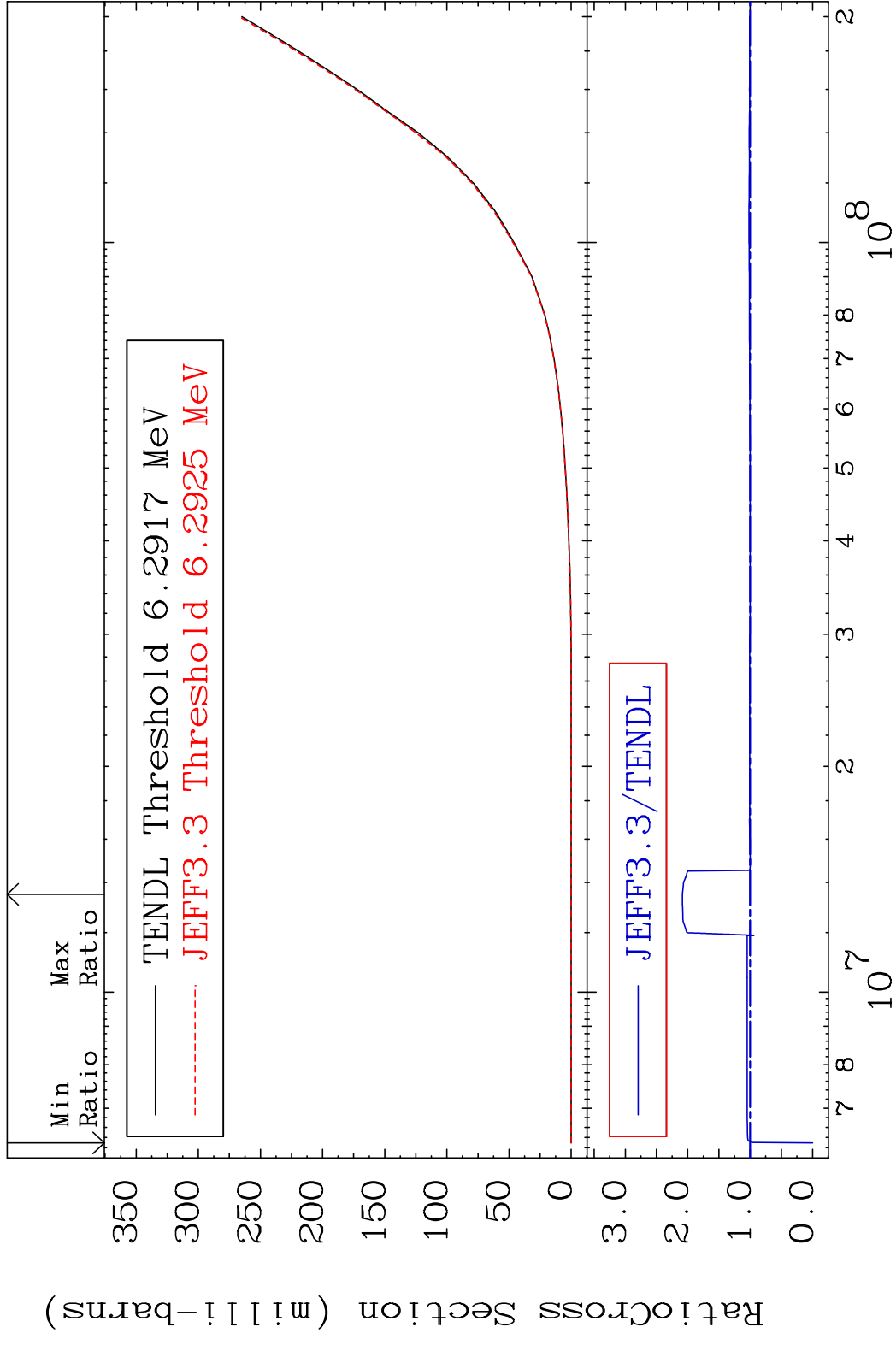
Cross Section -100.0 To 168.6 %



MAT 7840 Tritium Production 78-Pt-195
 Cross Section -100.0 To 188.4 %



MAT 7840 He-3 Production 78-Pt-195
 Cross Section -100.0 To 108.6 %

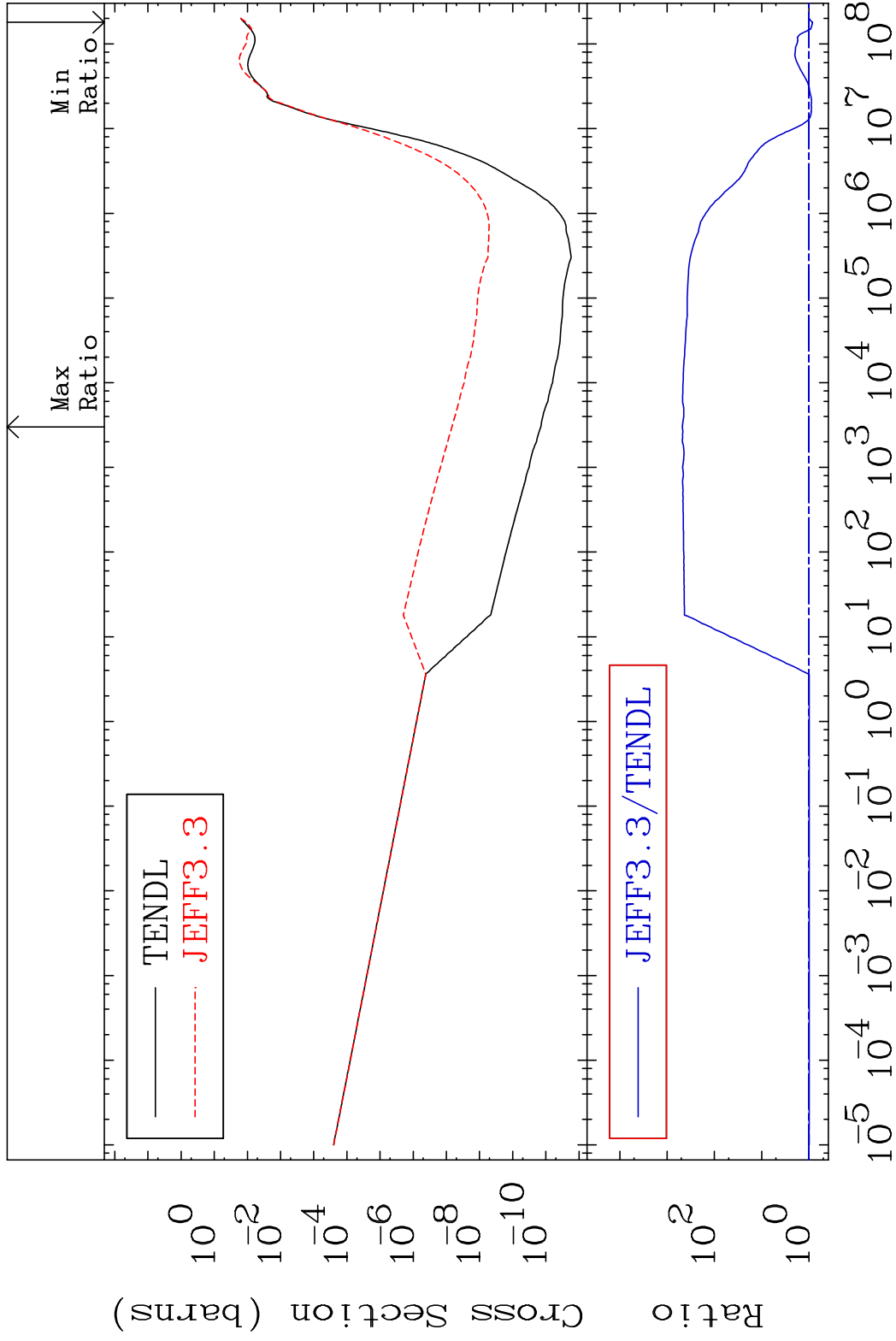


MAT 7840

He-4 Production

78-Pt-195

Cross Section -15.76 To 9999. %

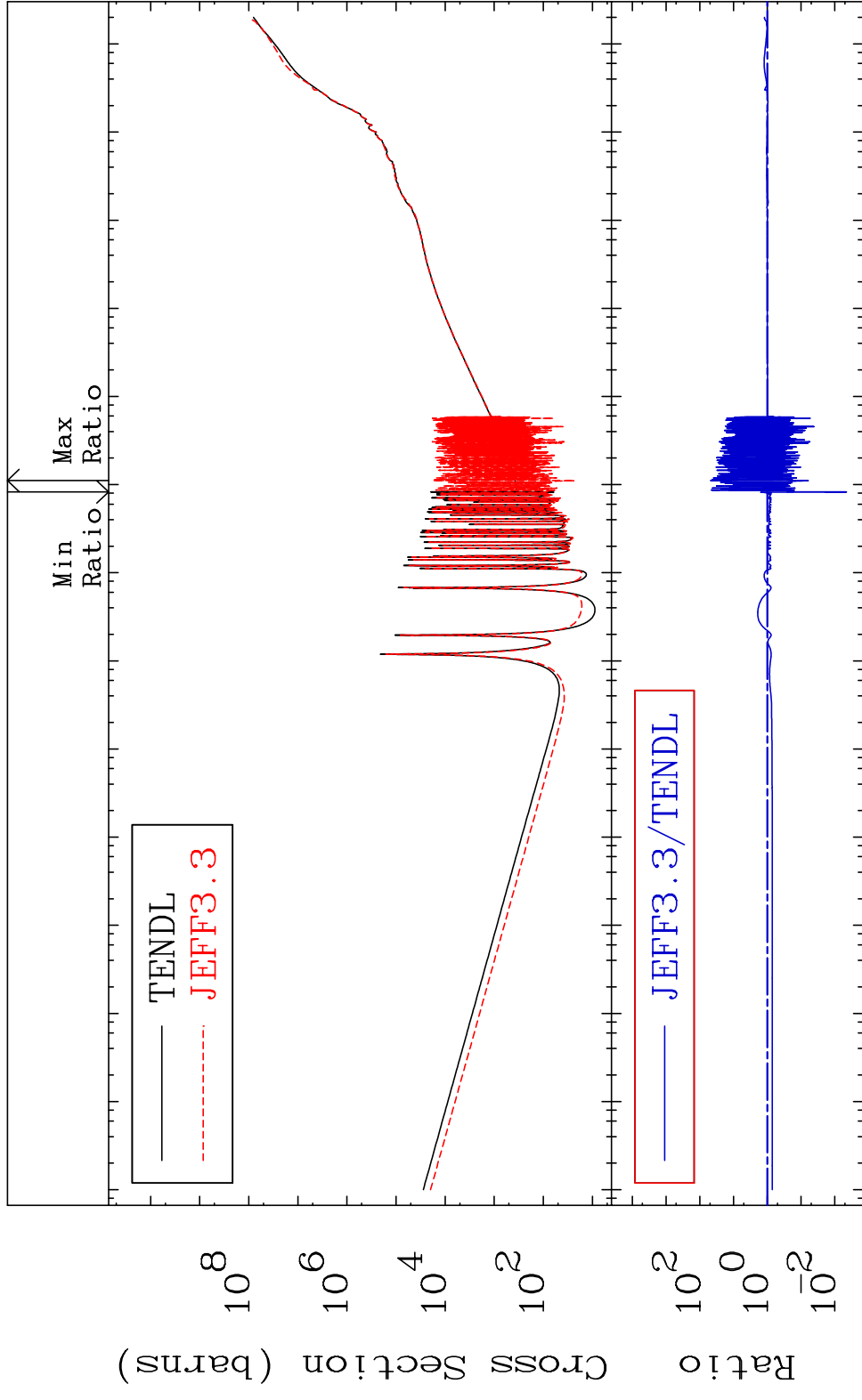


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Incident Energy (eV)

78-Pt-195

MAT 7840 Kerma total (eV-barns) 78-Pt-195
 Cross Section -99.55 To 4640. %



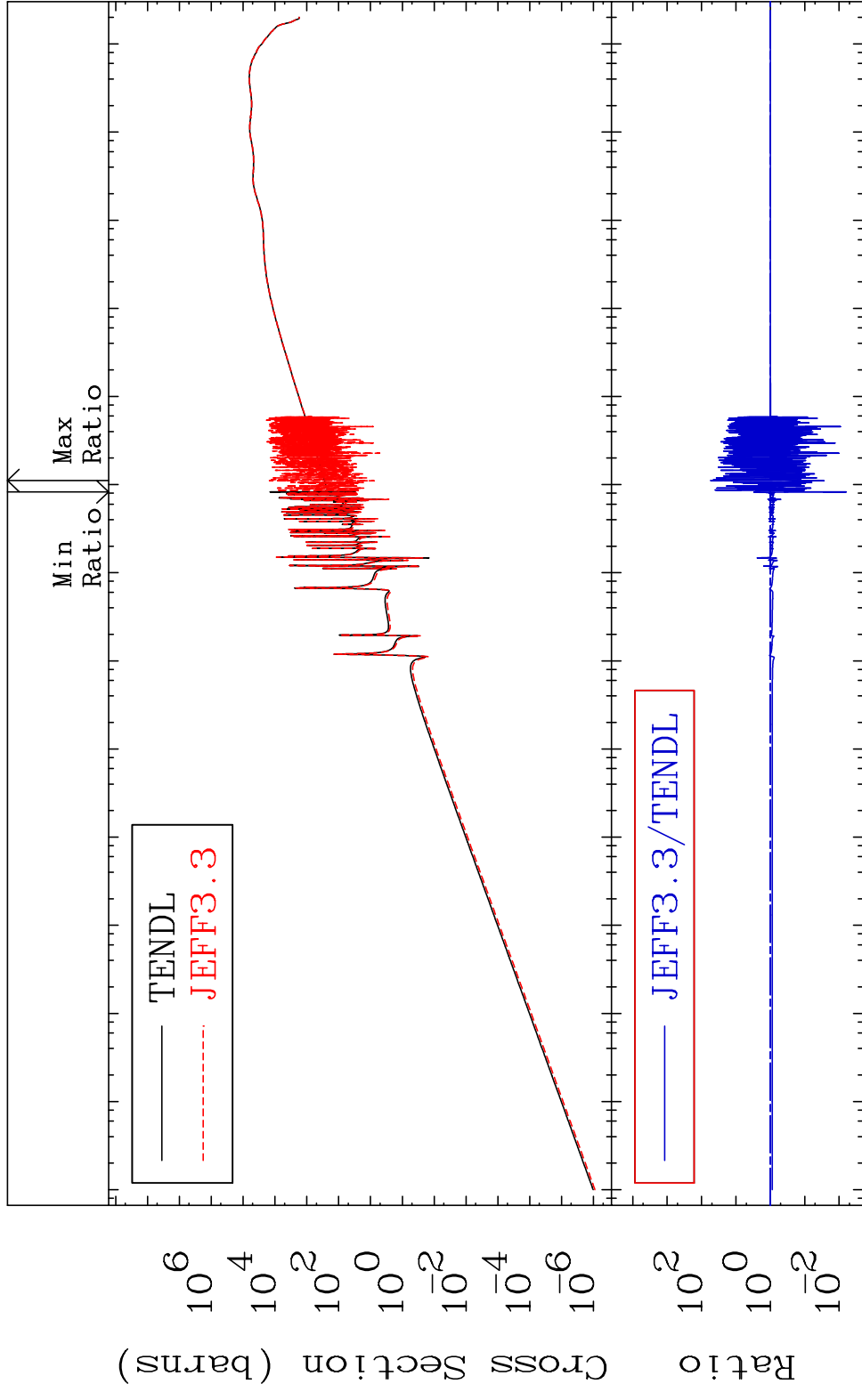
MAT 7840

Kerma elastic

78-Pt-195

Cross Section

-99.38 To 5305. %

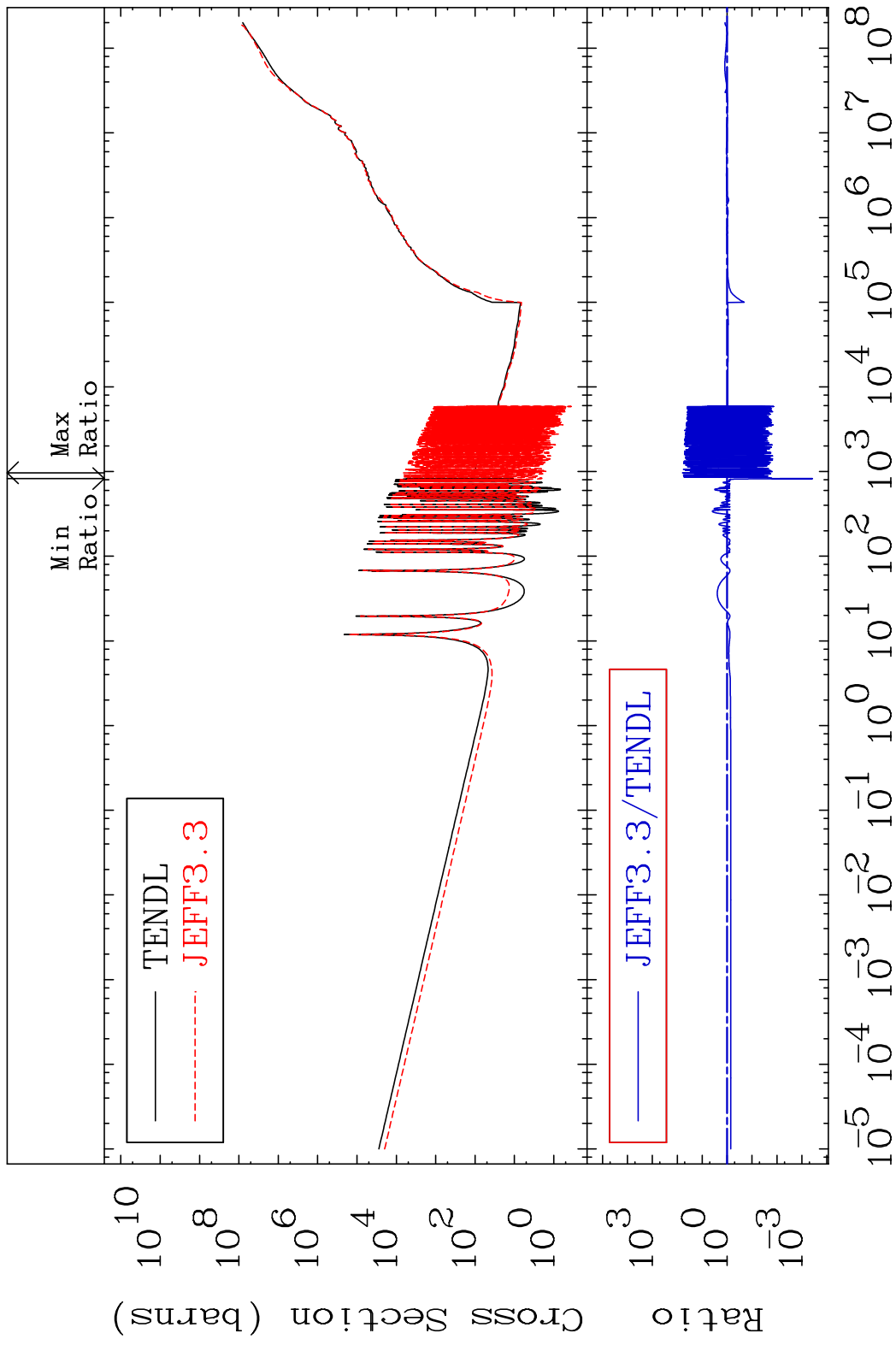


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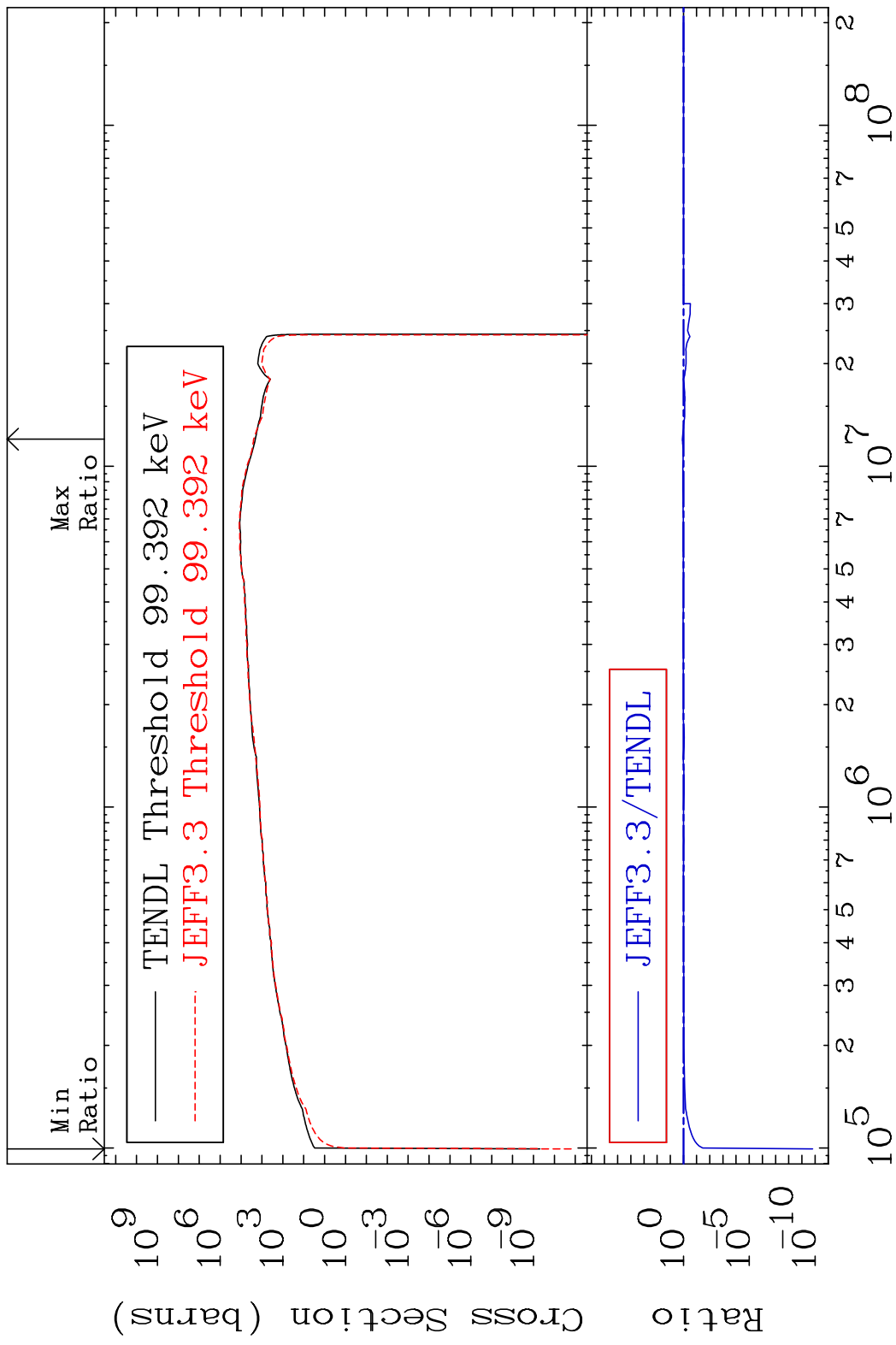
Incident Energy (eV)

78-Pt-195

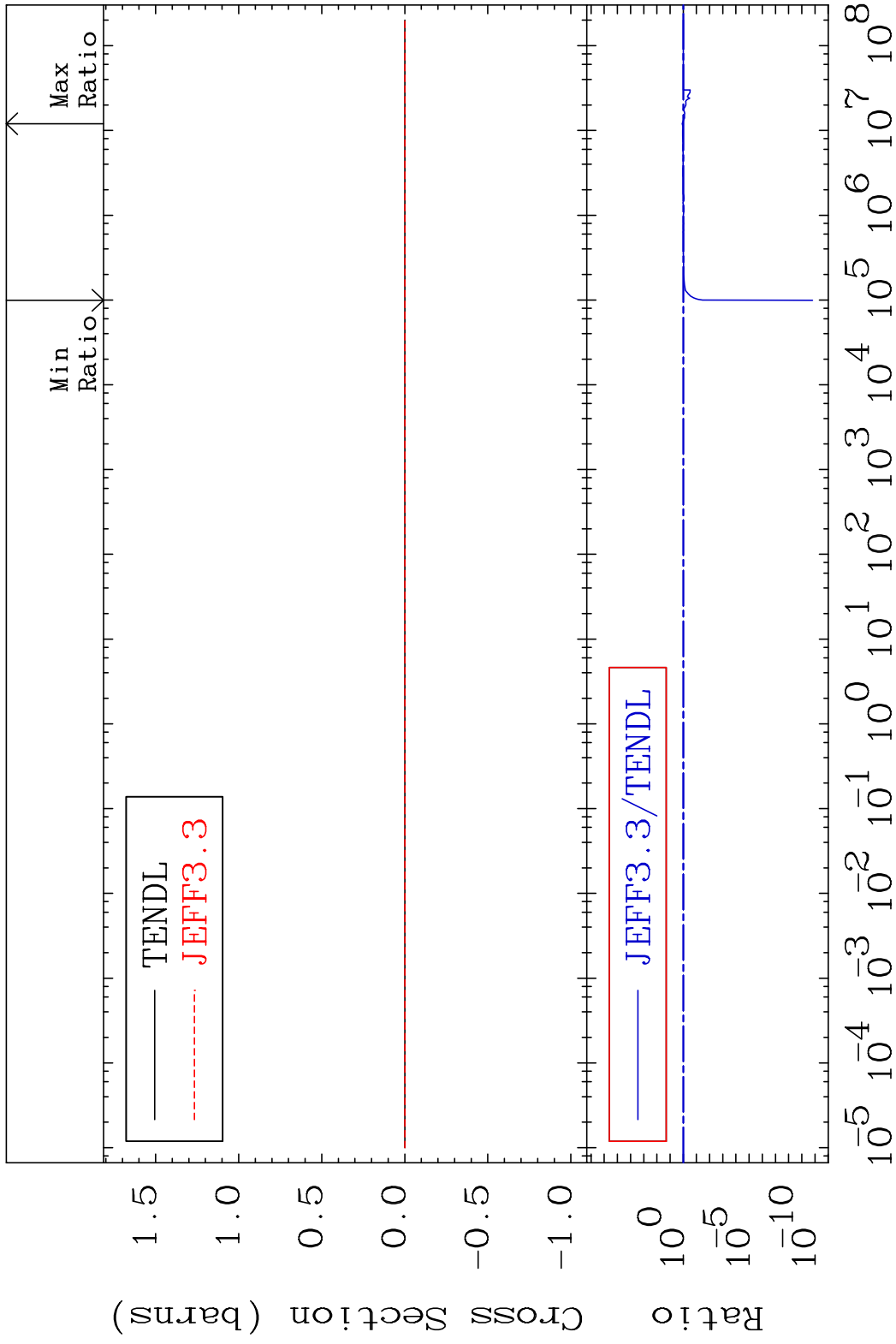
MAT 7840 Kerma non-elastic (all but mt2) 78-Pt-195
 Cross Section -99.96 To 6151. %

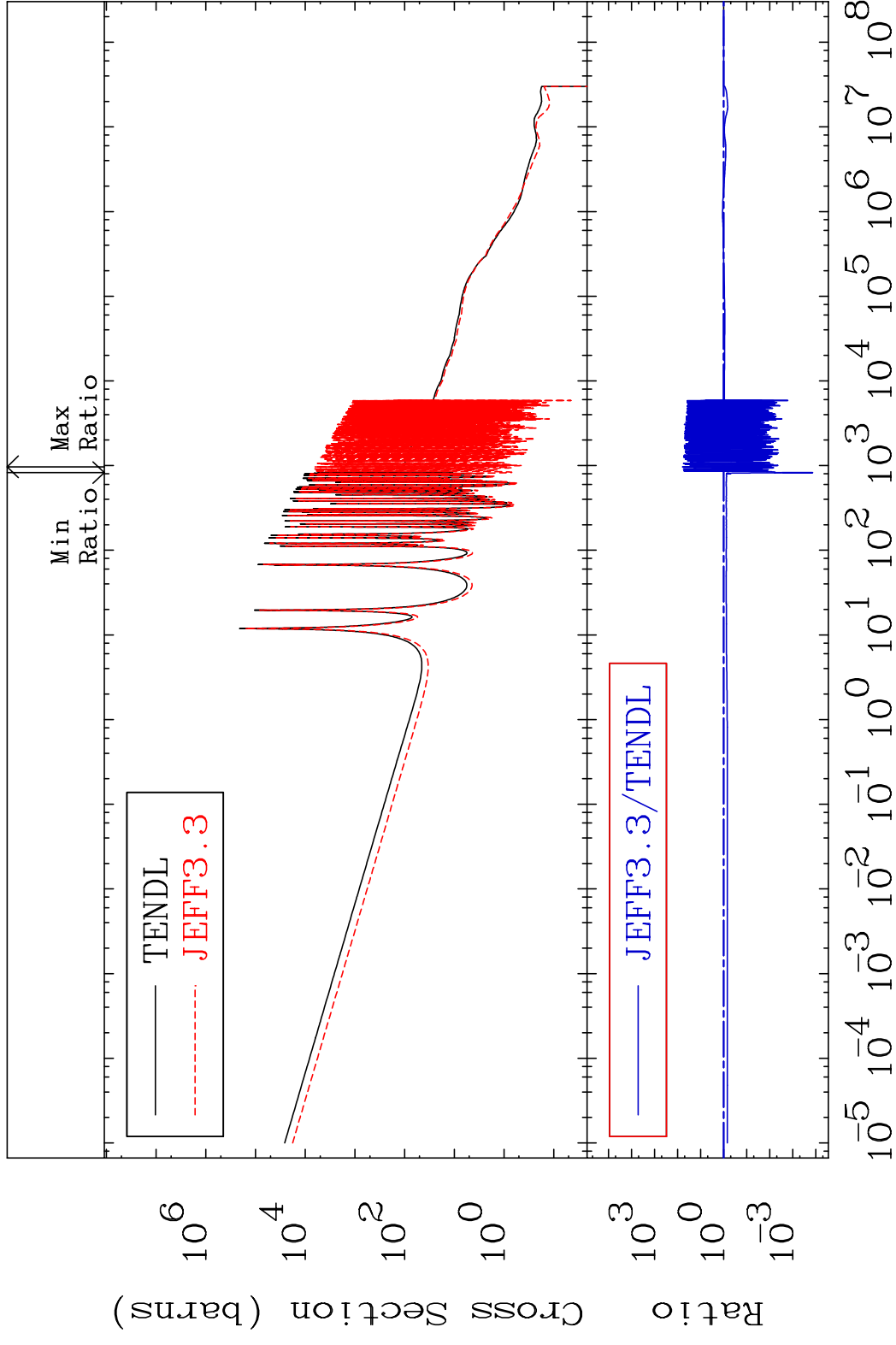


MAT 7840 Kerma inelastic (mt51-91) 78-Pt-195
 Cross Section -100.0 To 21.07 %

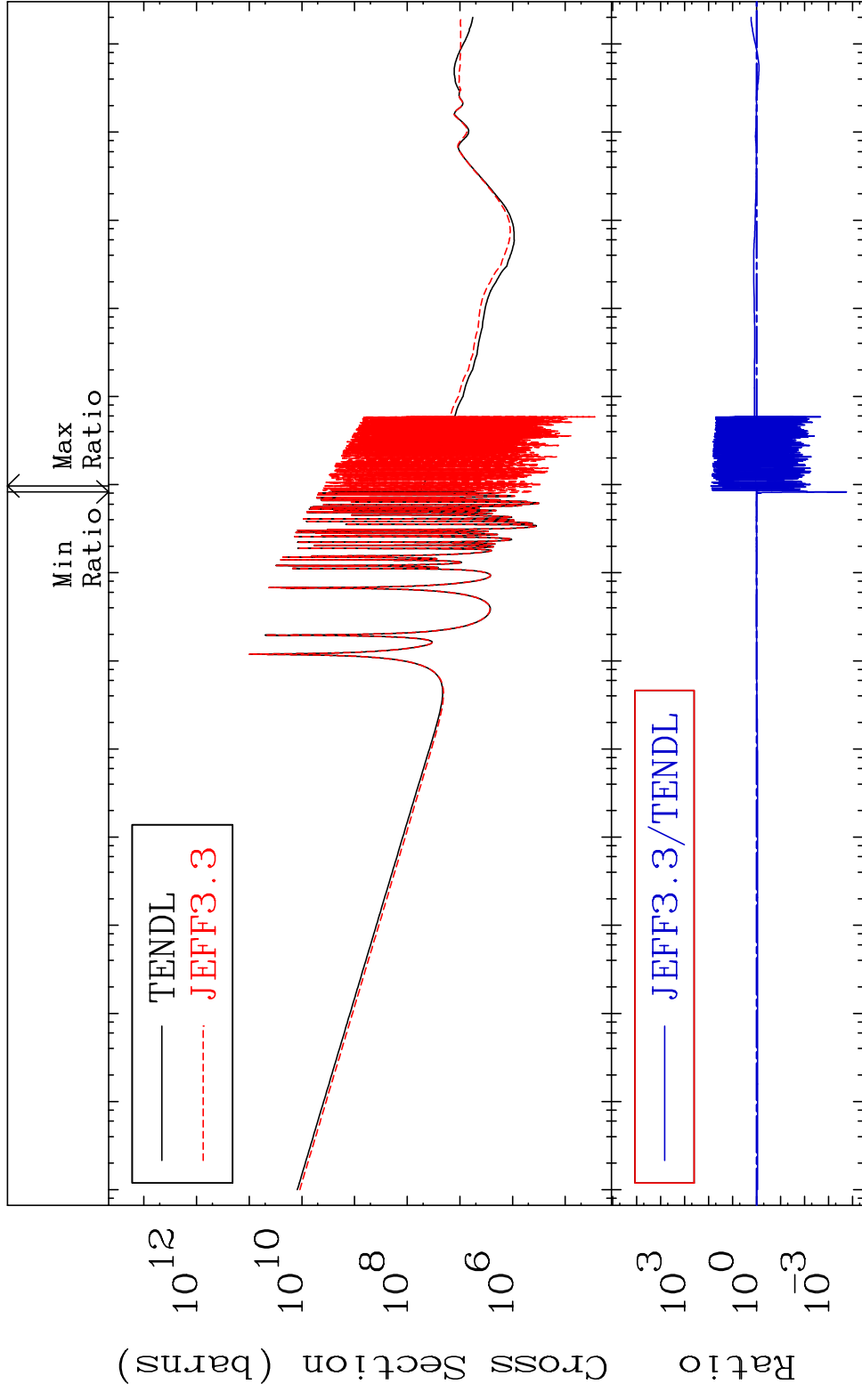


MAT 7840 Kerma fission (mt18 or mt19-20-21-38)78-Pt-195
 Cross Section -100.0 To 21.07 %

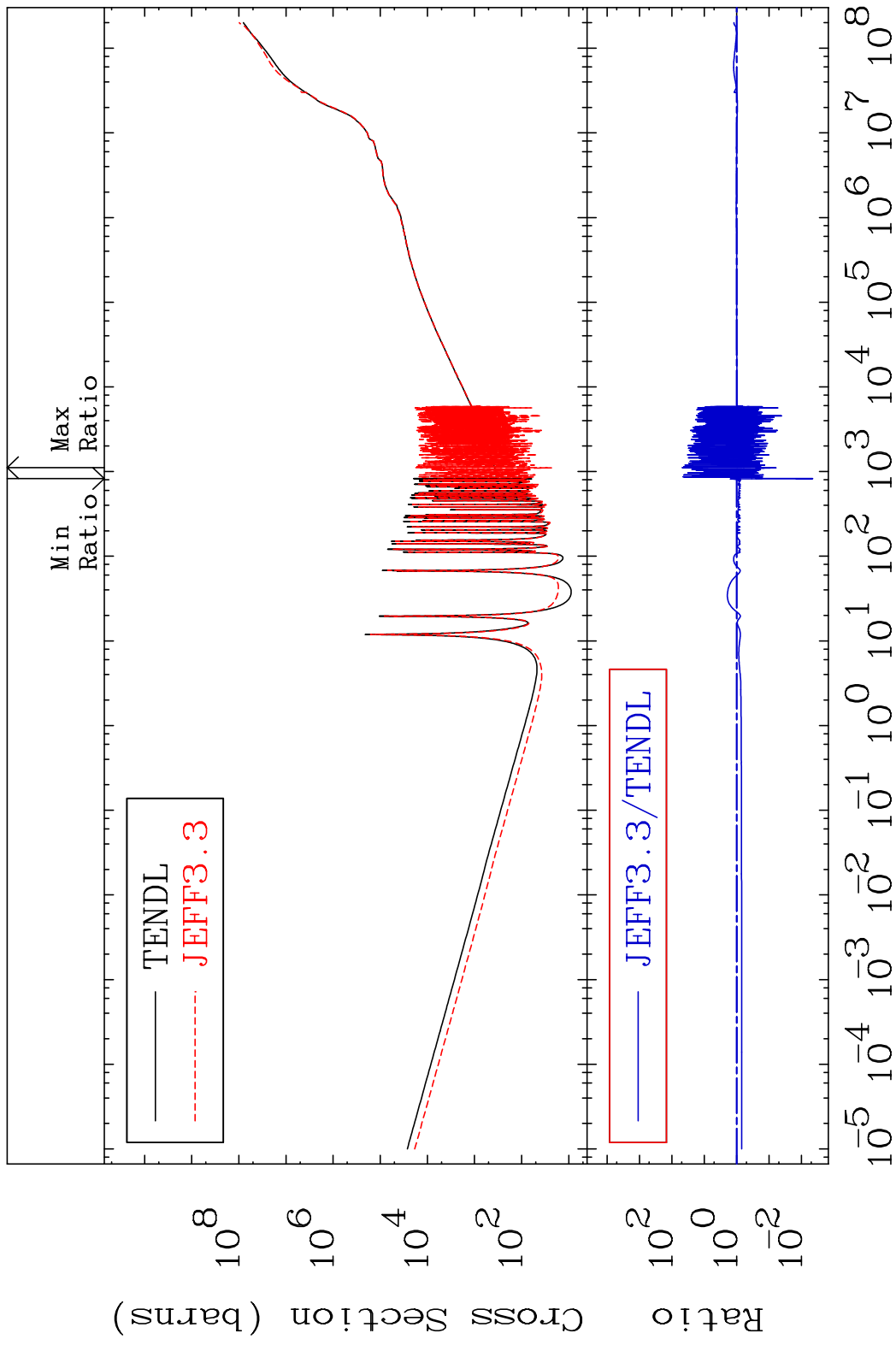




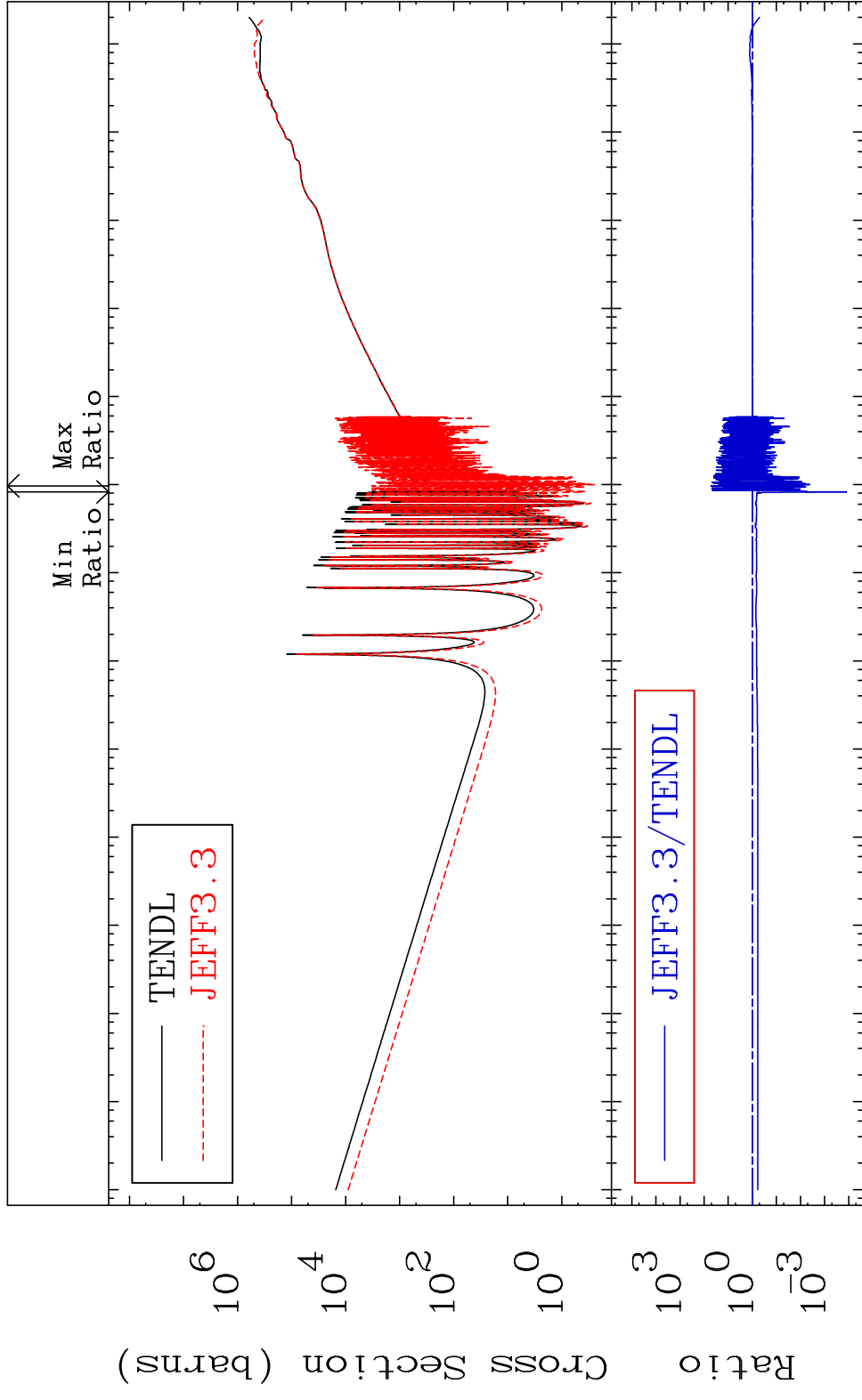
MAT 7840 Total photon (eV-barns) 78-Pt-195
 Cross Section -99.98 To 8002. %



MAT 7840 Total kinematic kerma (high limit) 78-Pt-195
 Cross Section -99.55 To 4640. %



Cross Section -99.99 To 5213. %

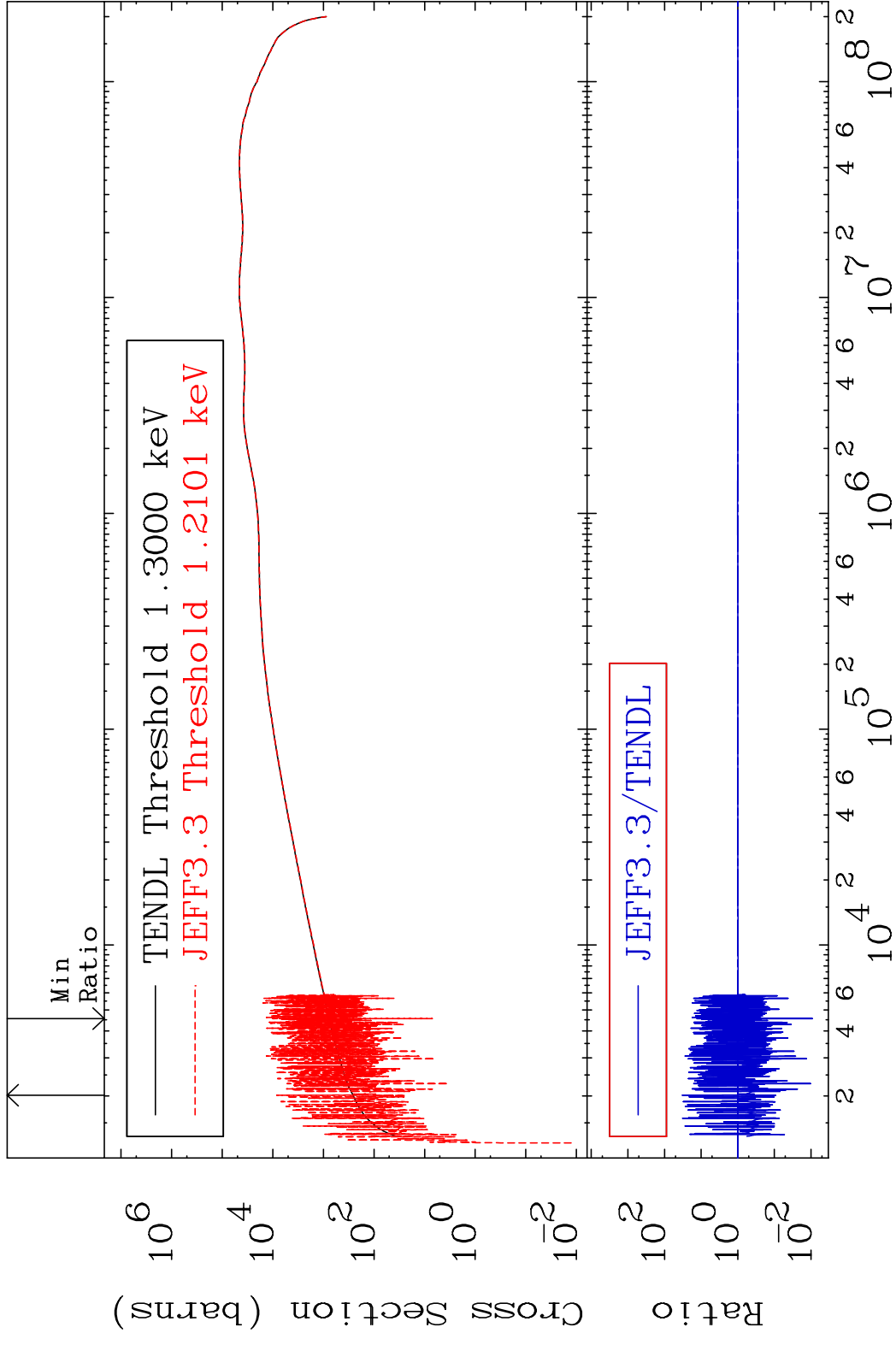


MAT 7840

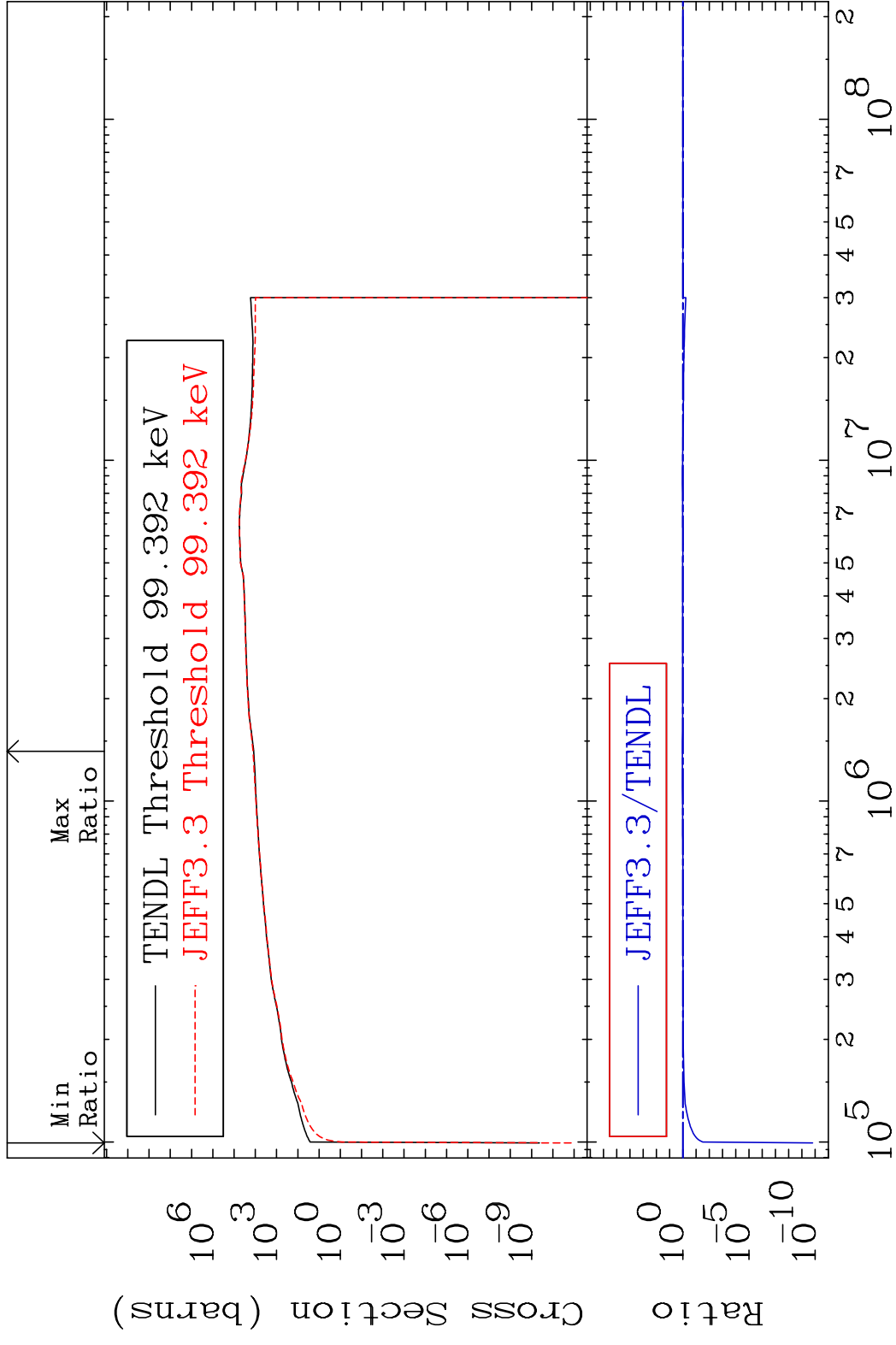
Dpa elastic (mt2)

78-Pt-195

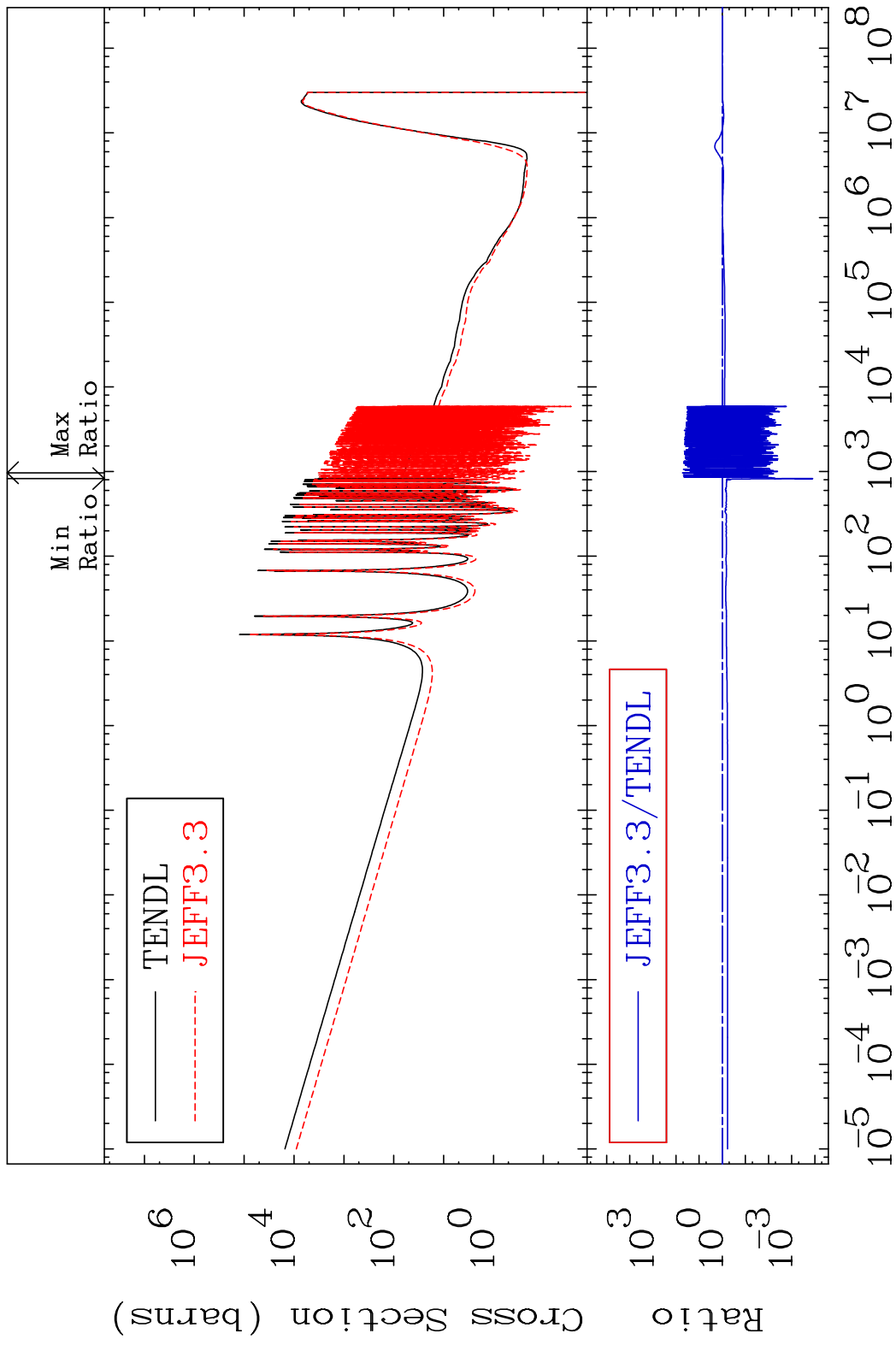
Cross Section -99.10 To 3151. %

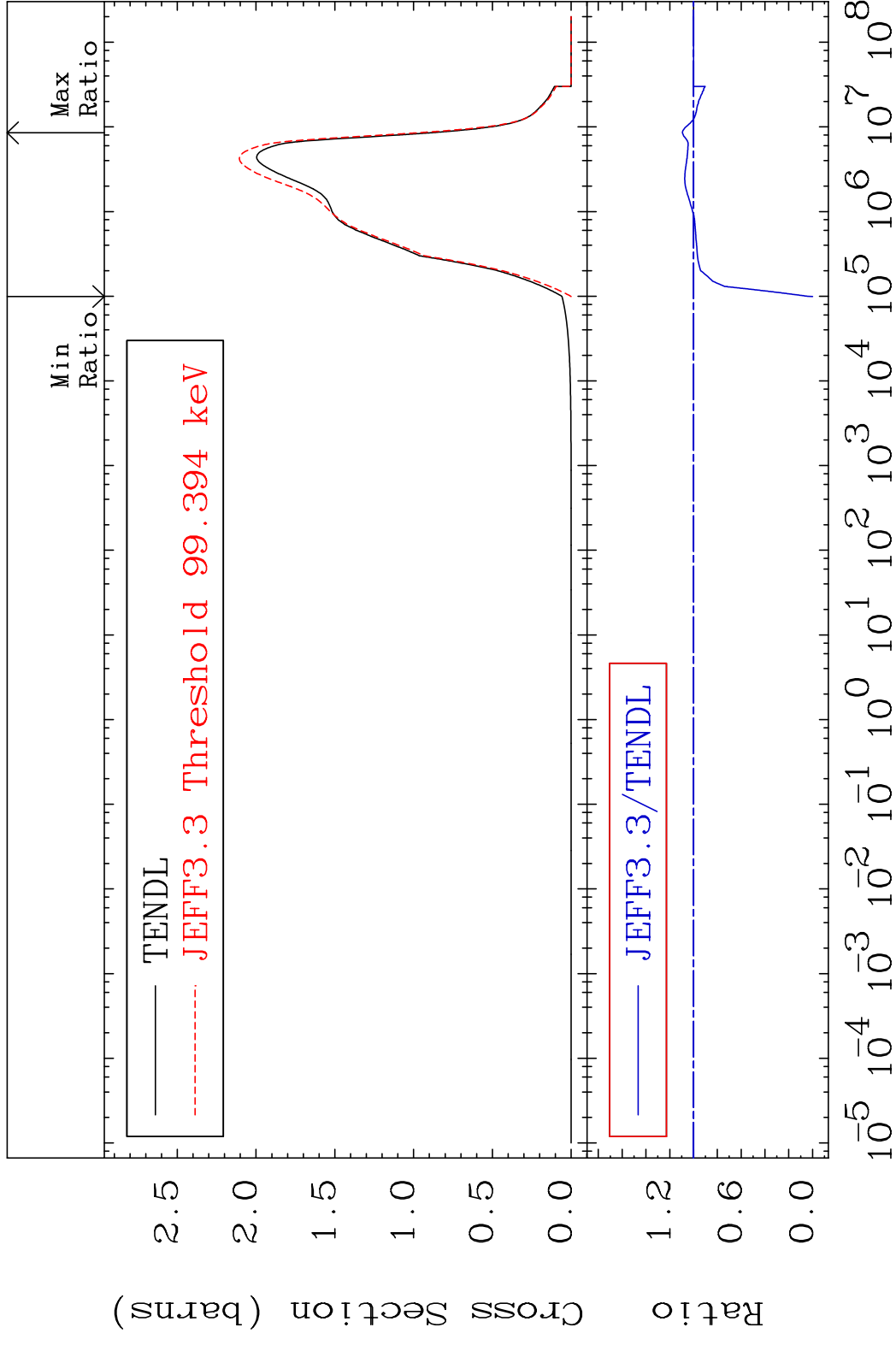


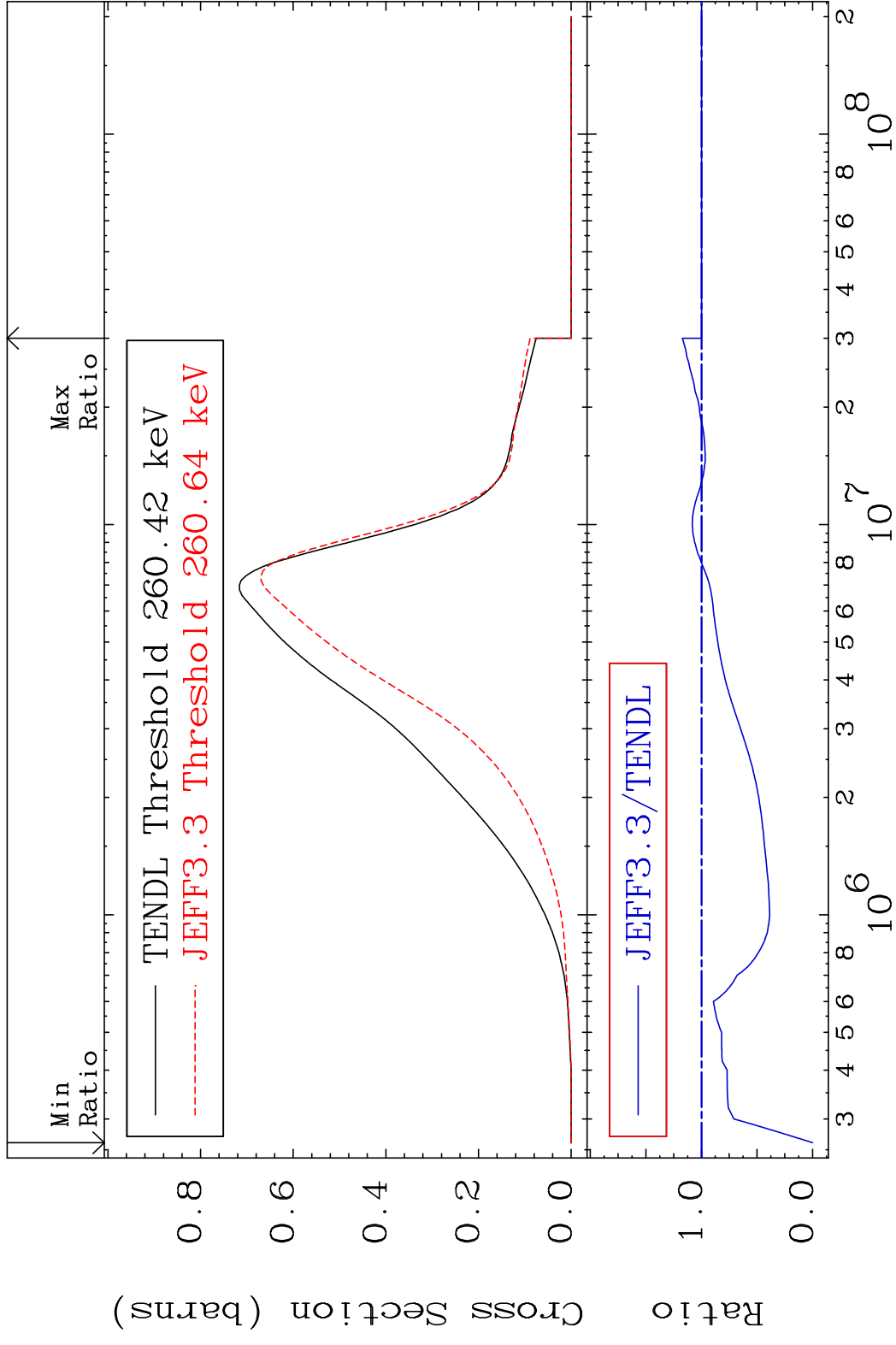
MAT 7840 Dpa inelastic (mt51-91) 78-Pt-195
 Cross Section -100.0 To 7.797 %



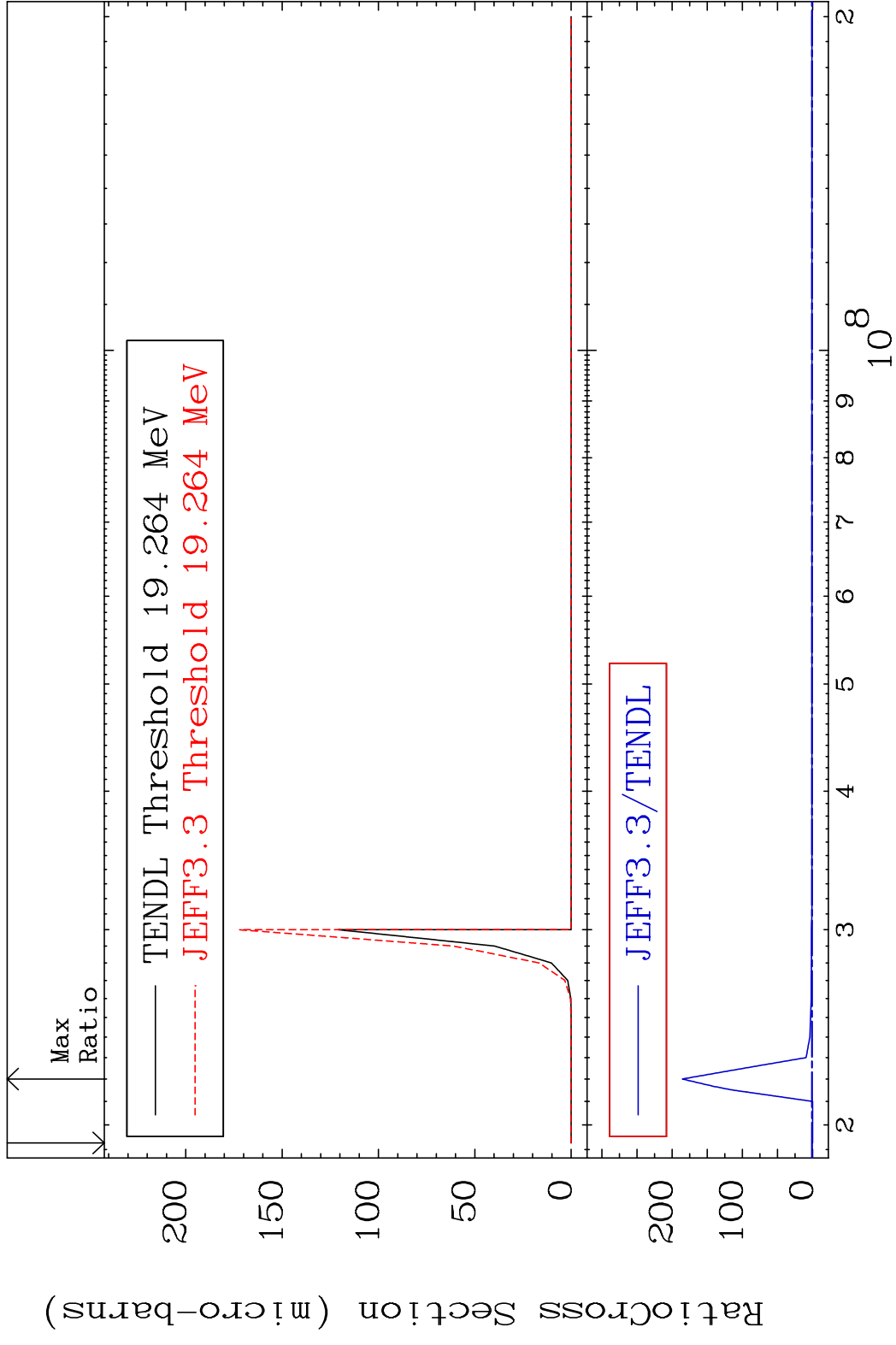
MAT 7840 Dpa disappearance (mt102 -120) 78-Pt-195
 Cross Section -99.99 To 5213. %



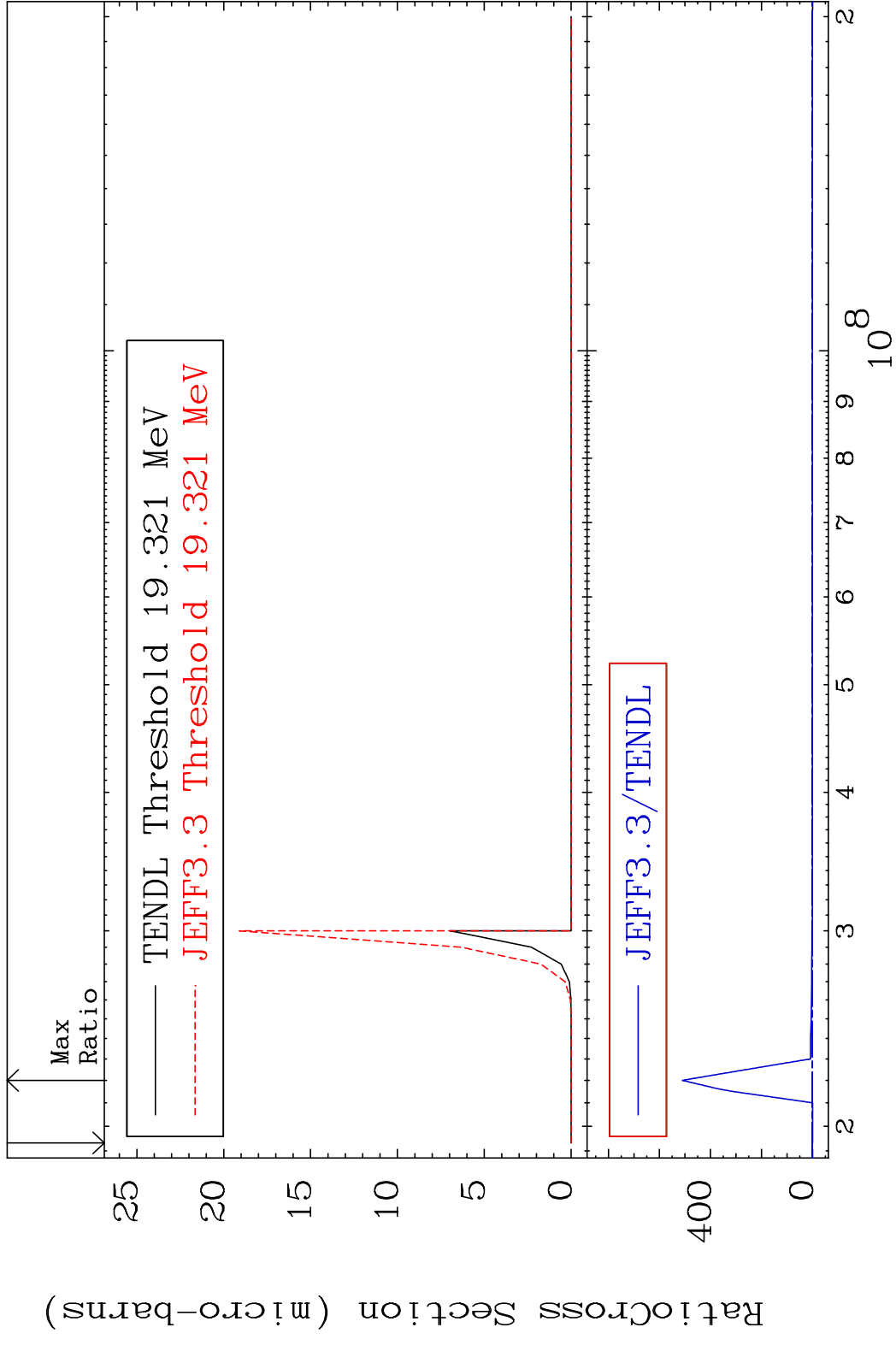


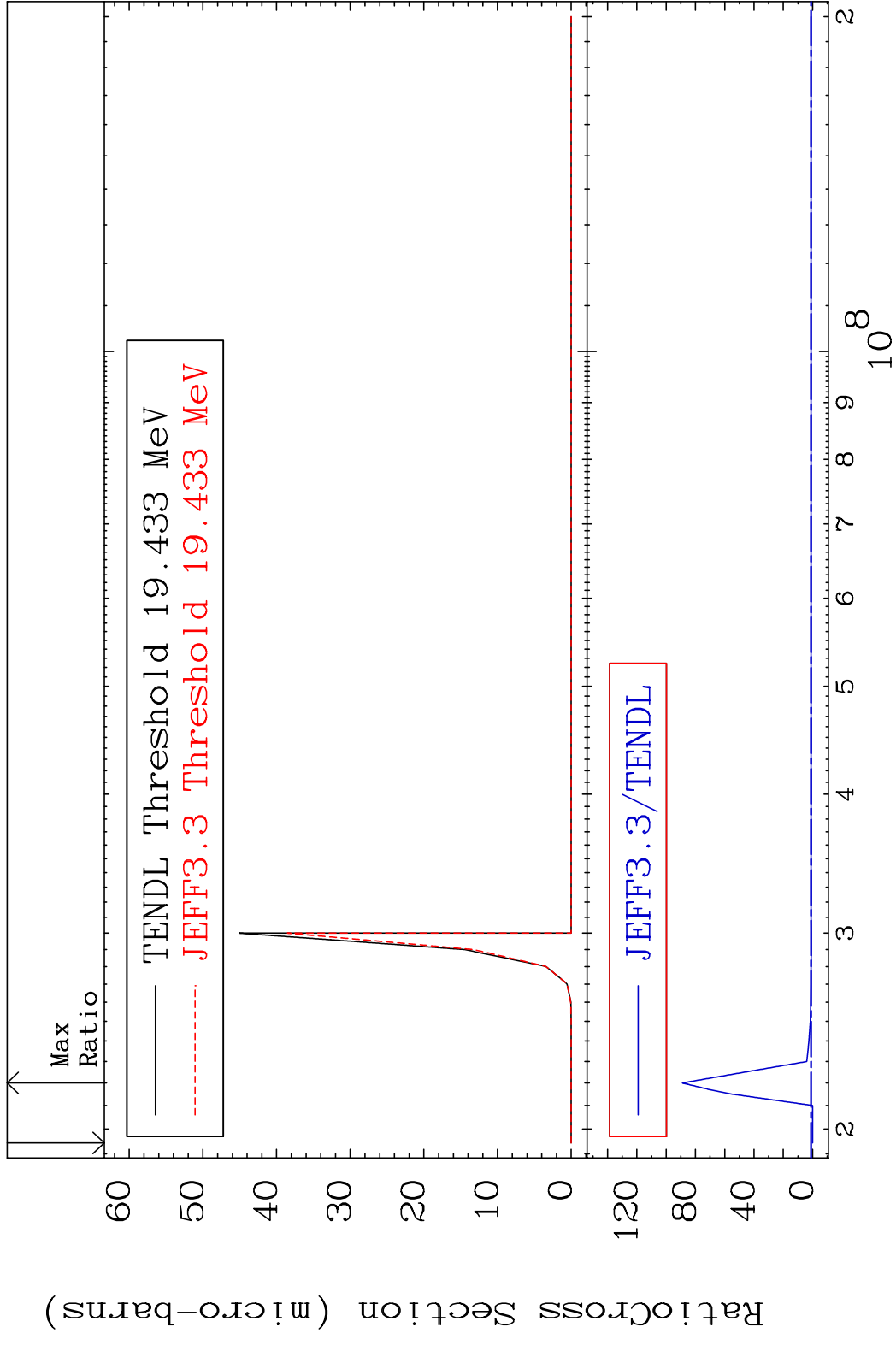


MAT 7840 (n,2n) d:77-Ir-192g 78-Pt-195
 Radionuclide Production Cross Section to 9999. %

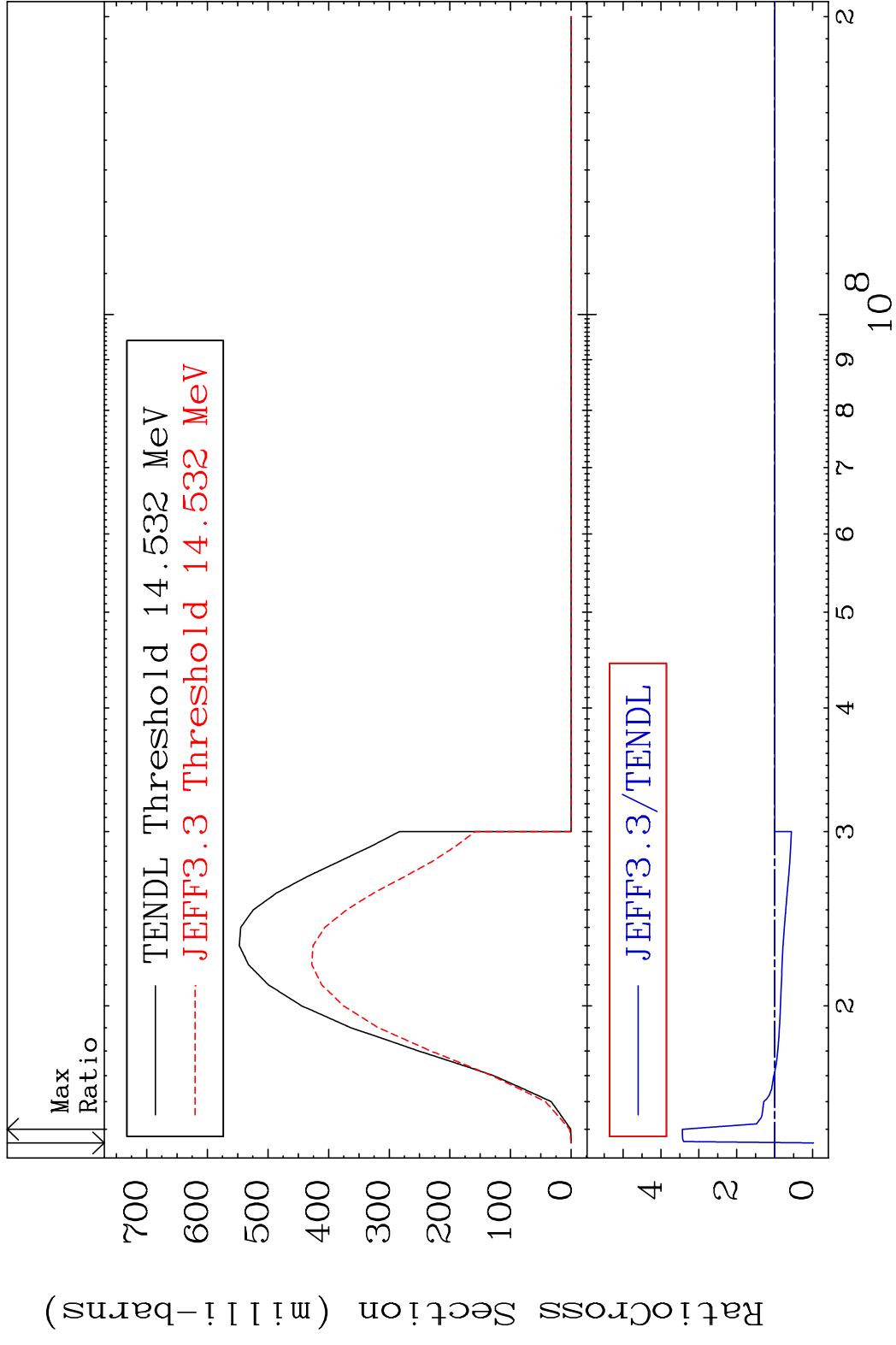


70 Incident Energy (eV) 78-Pt-195

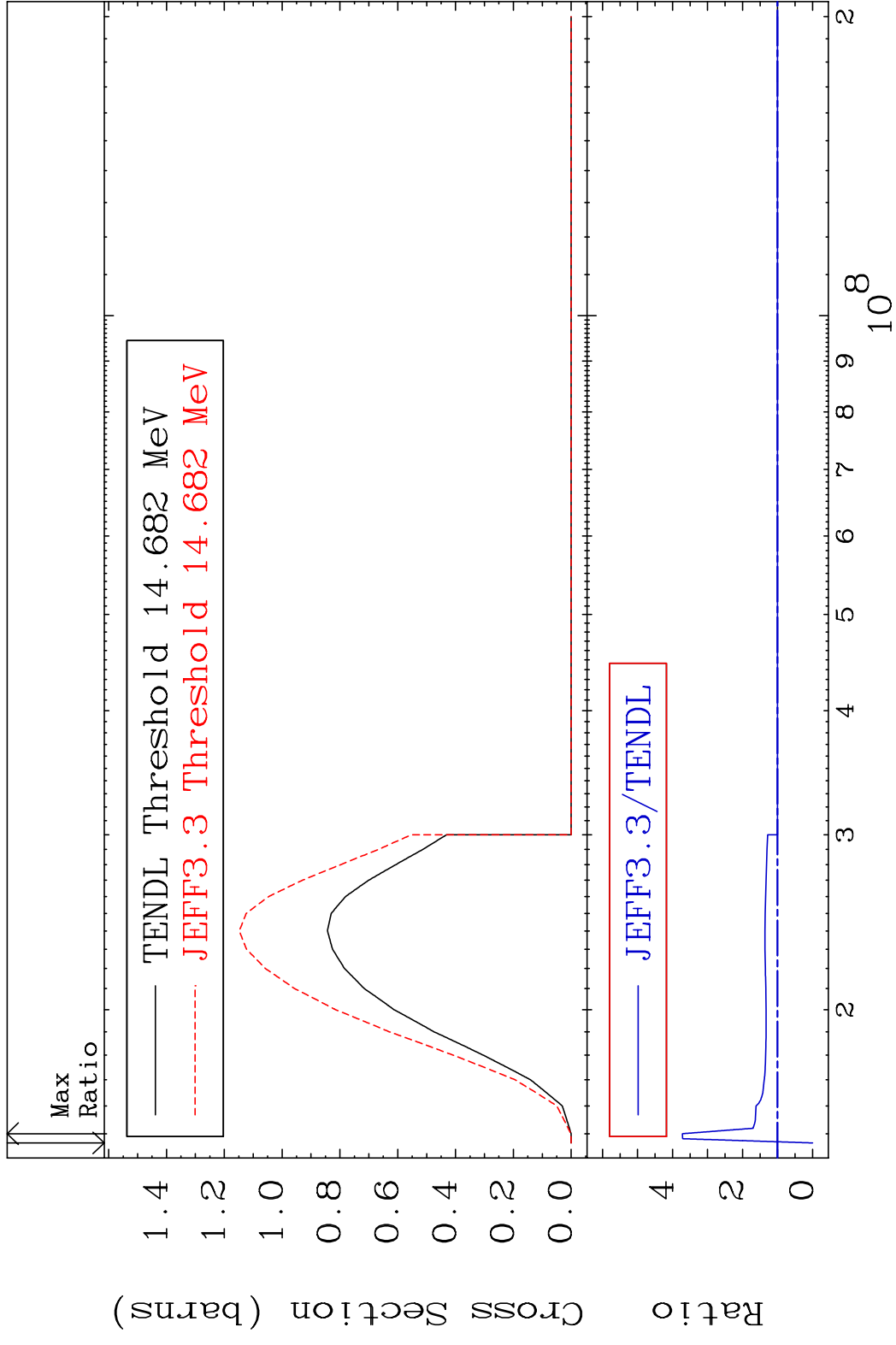




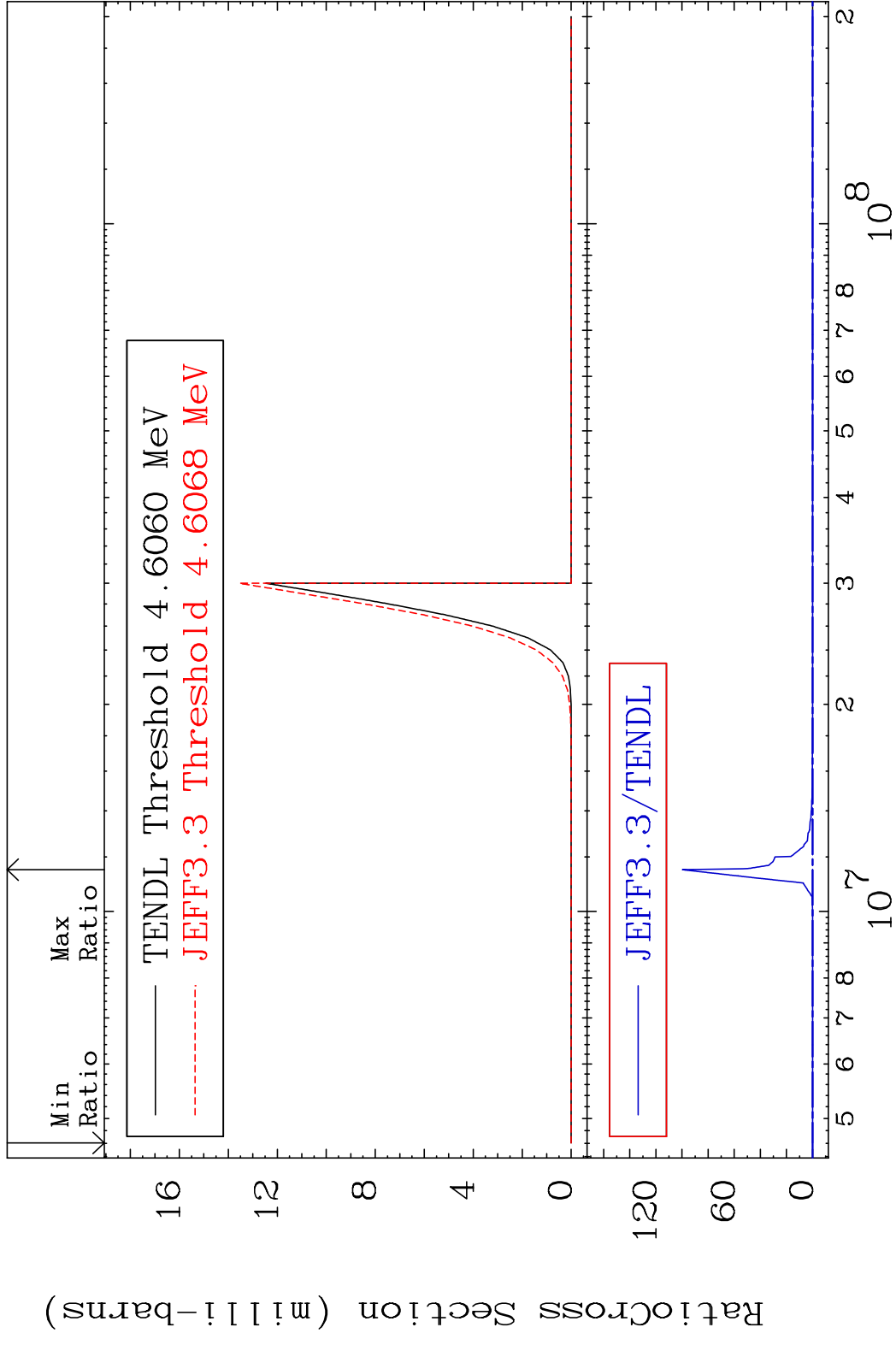
MAT 7840 (n,3n):78-Pt-193g 78-Pt-195
 Radionuclide Production Cross Section 180.01 dth 243.5 %



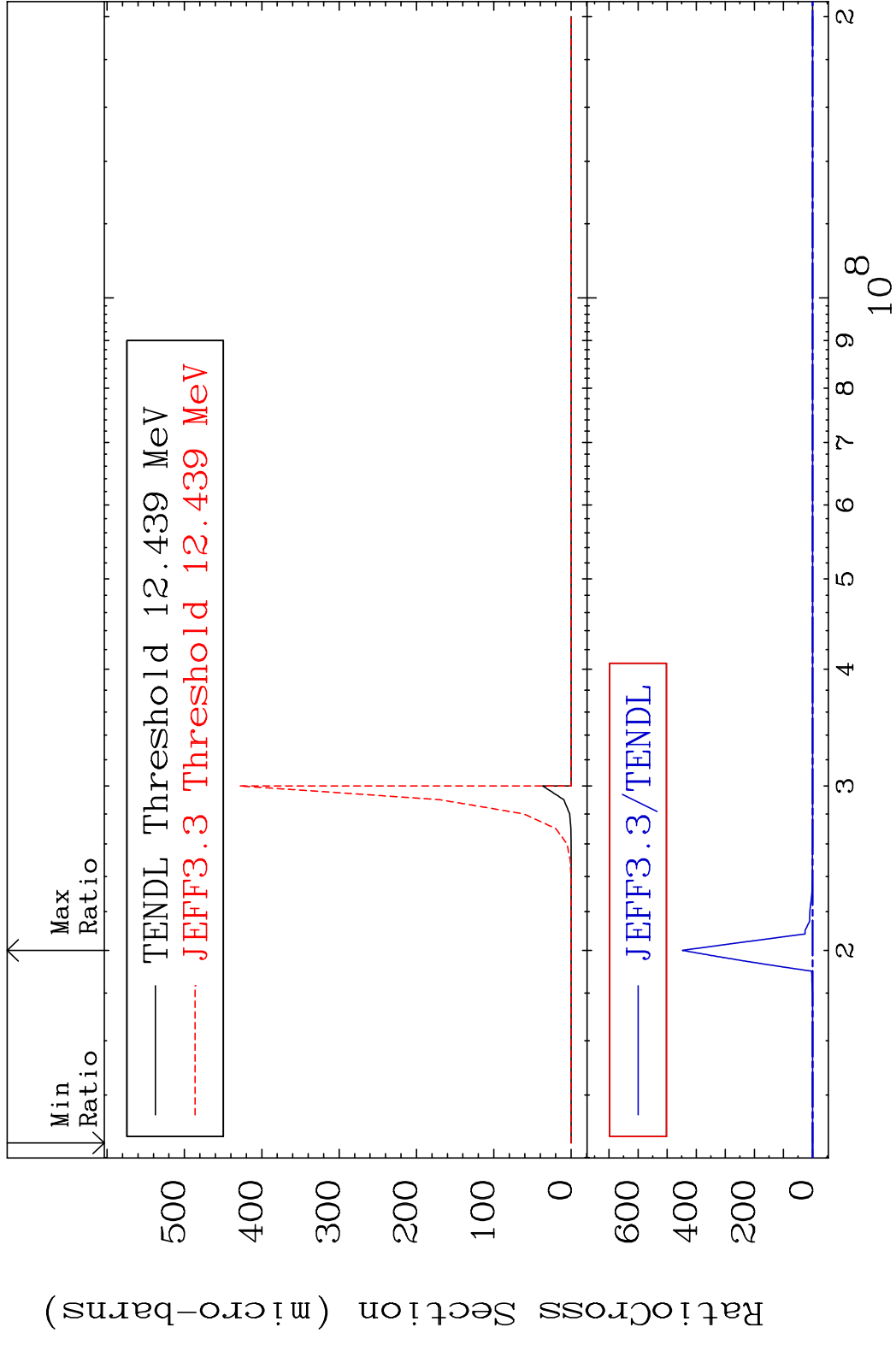
MAT 7840 (n, 3n): 78-Pt-193m5 78-Pt-195
 Radionuclide Production Cross Section Ratio 272.0 %

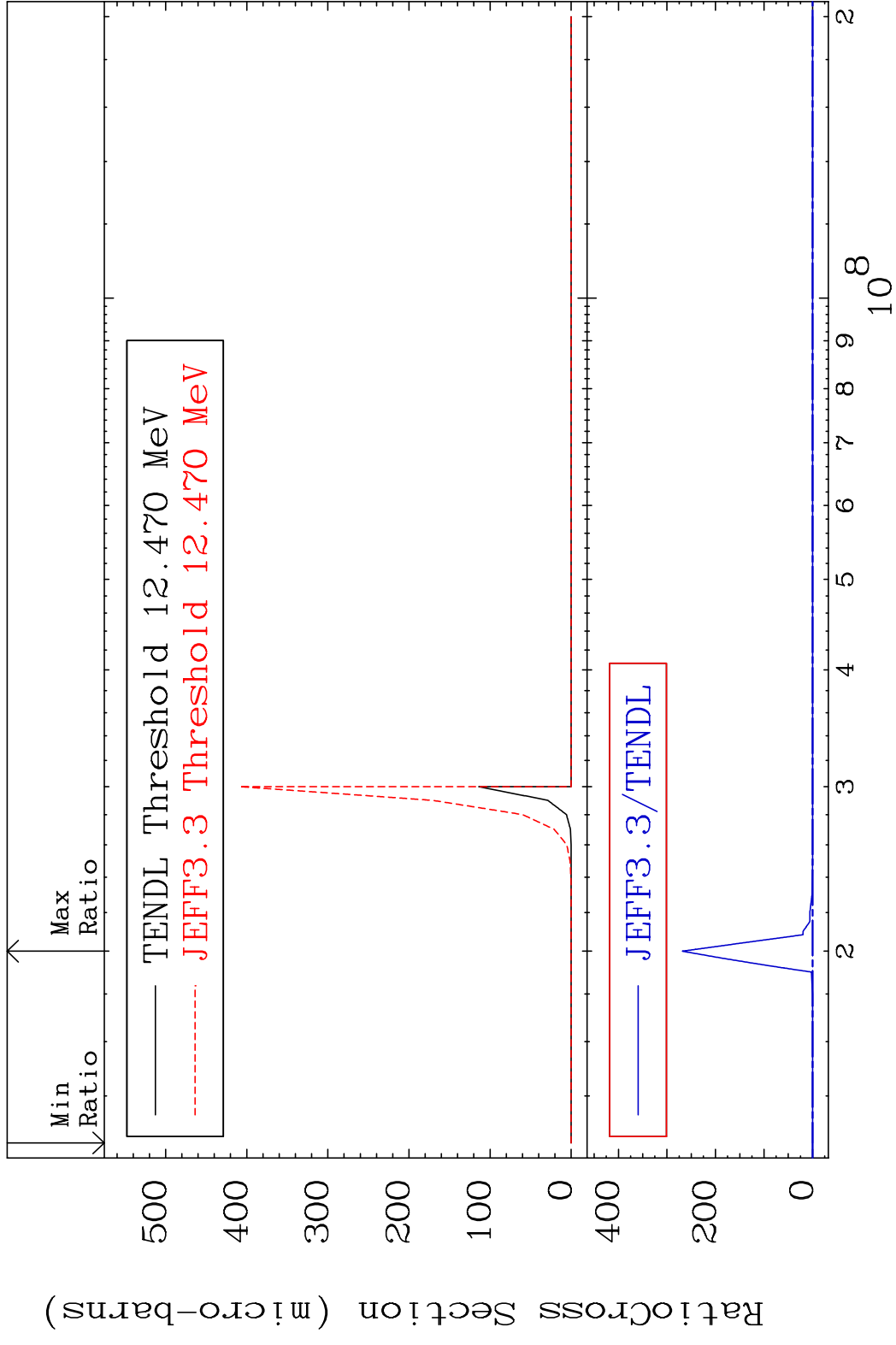


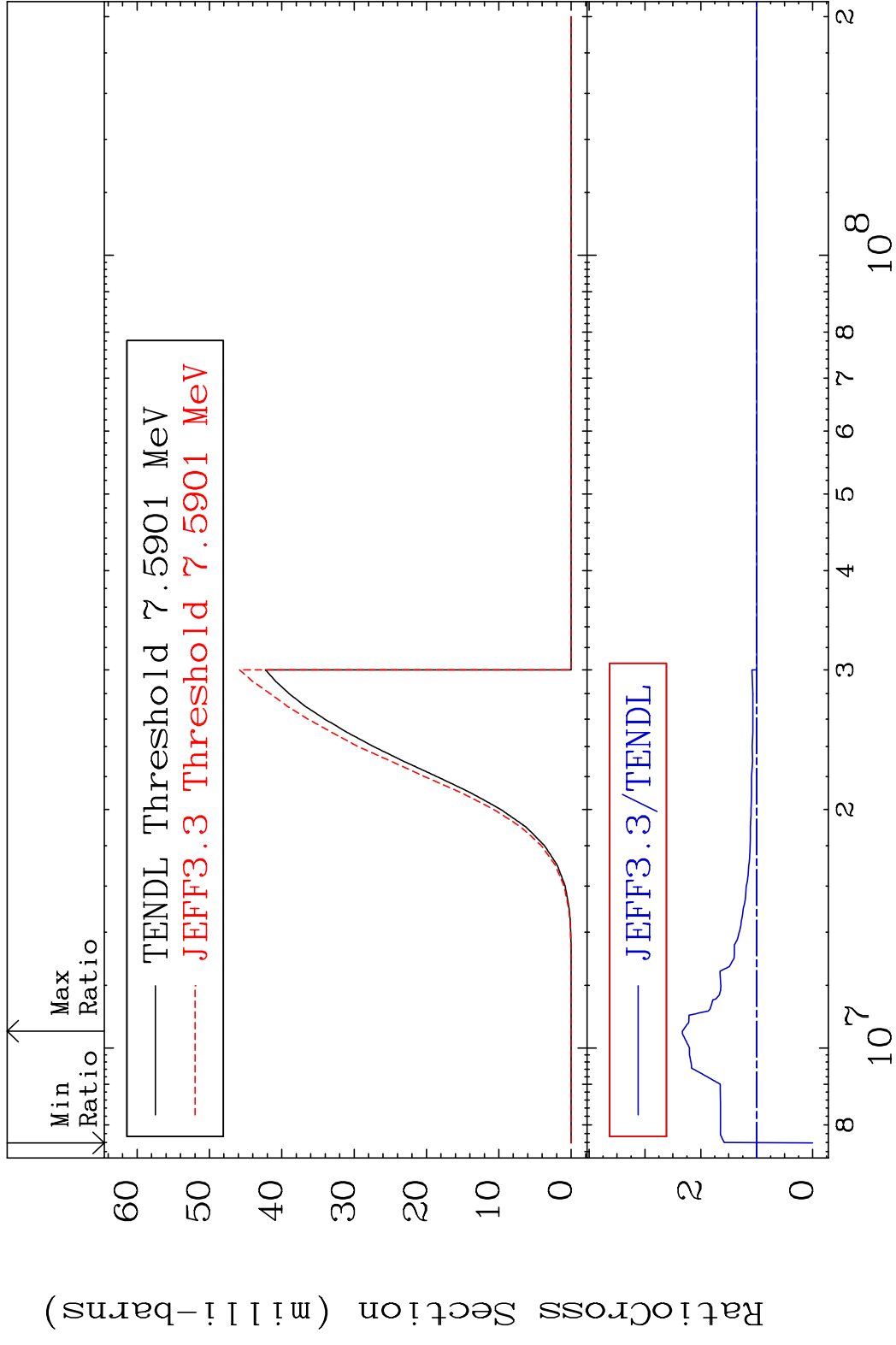
MAT 7840 (n,2n) α :76-0s-190g 78-Pt-195
 Radionuclide Production Cross Section Ratio 9999. %

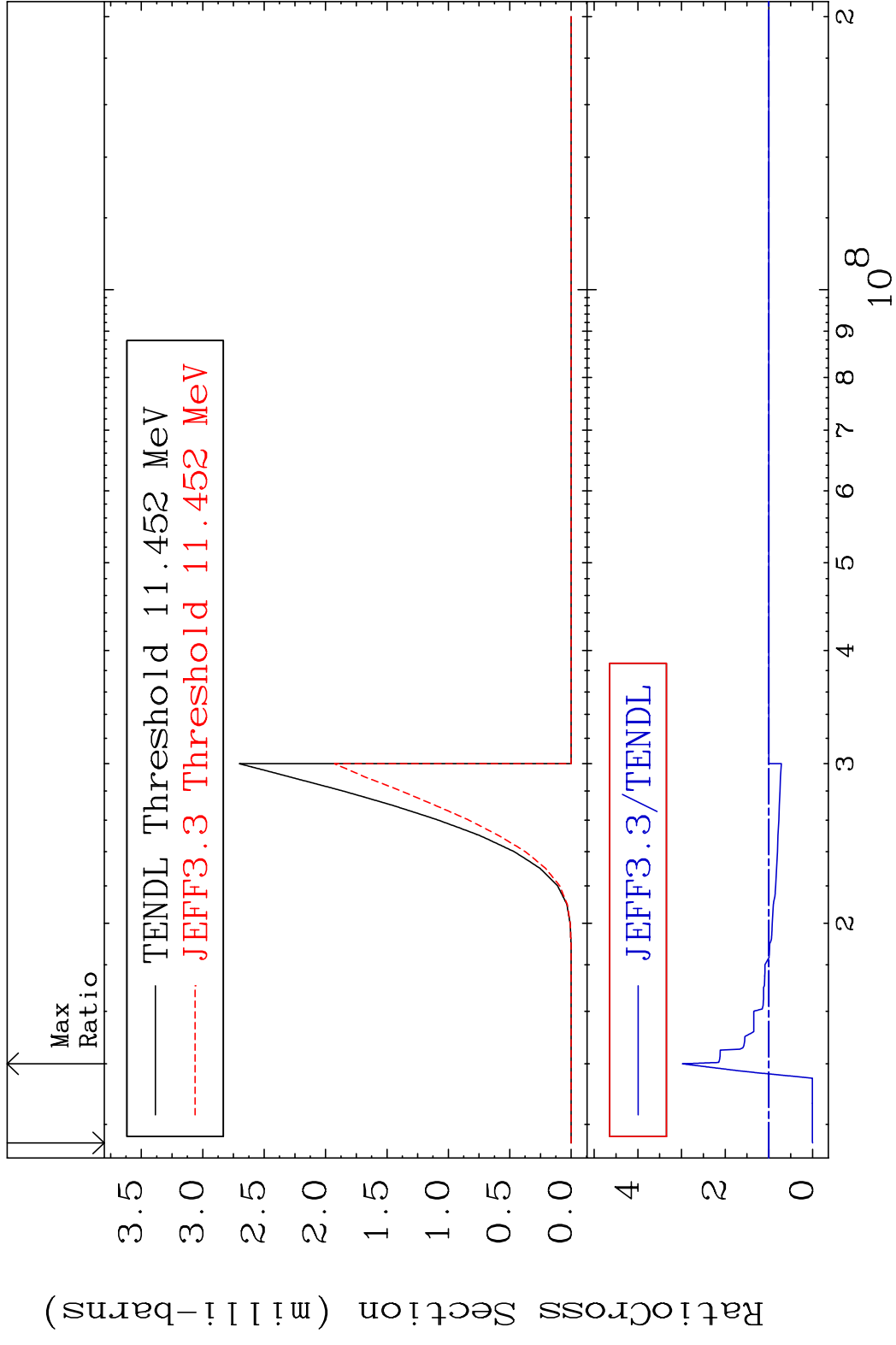


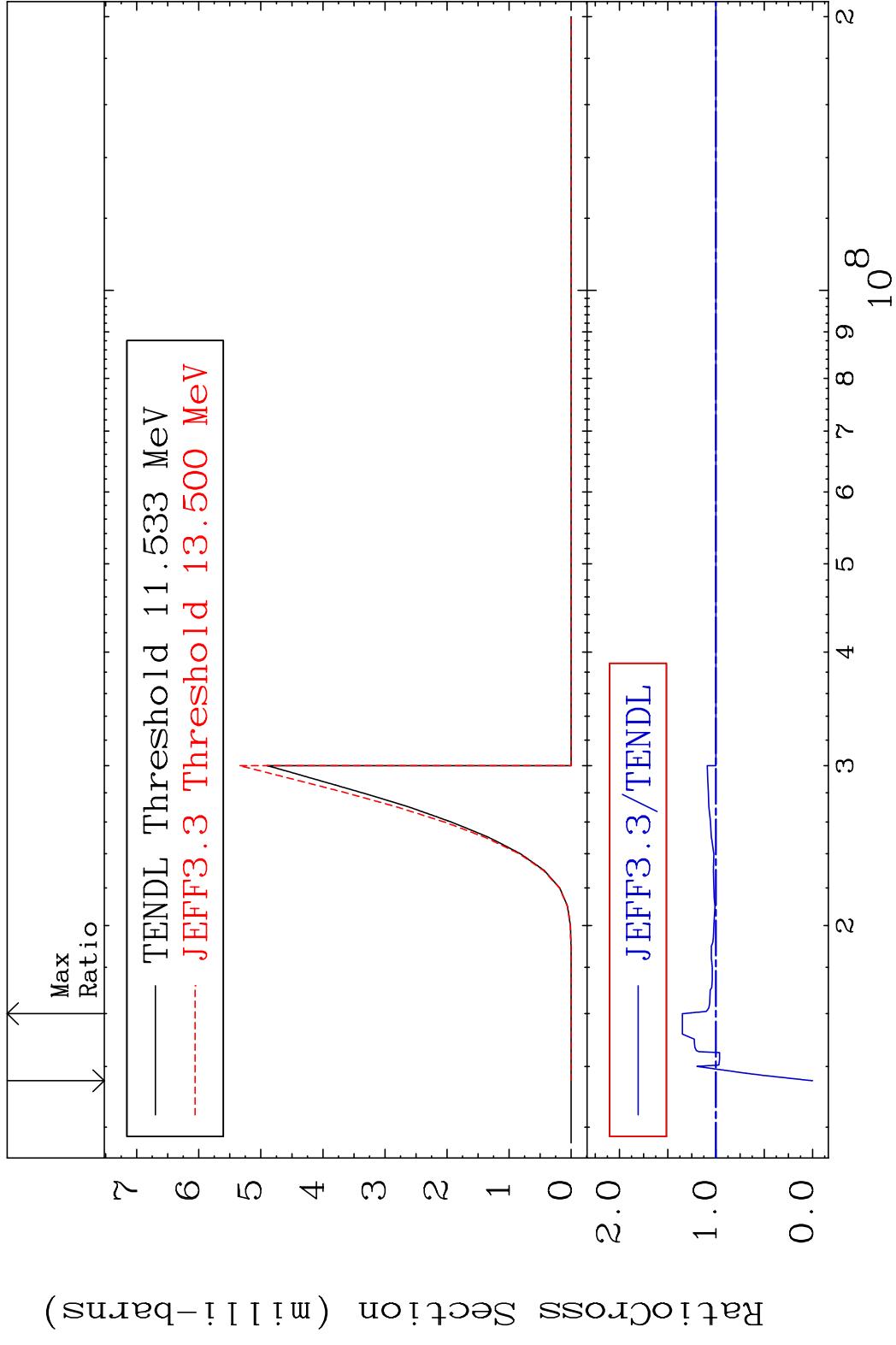
75 Incident Energy (eV) 78-Pt-195

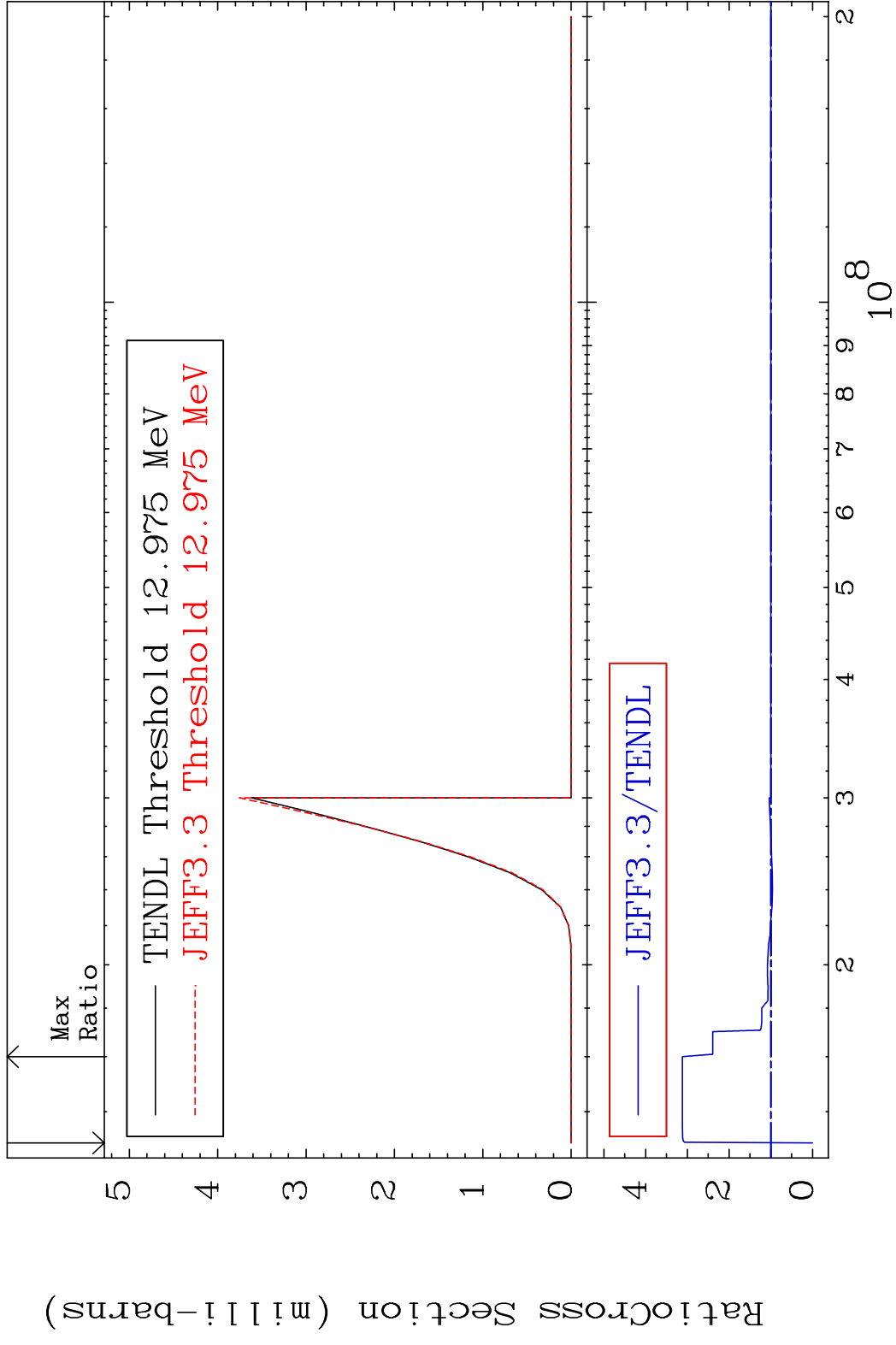




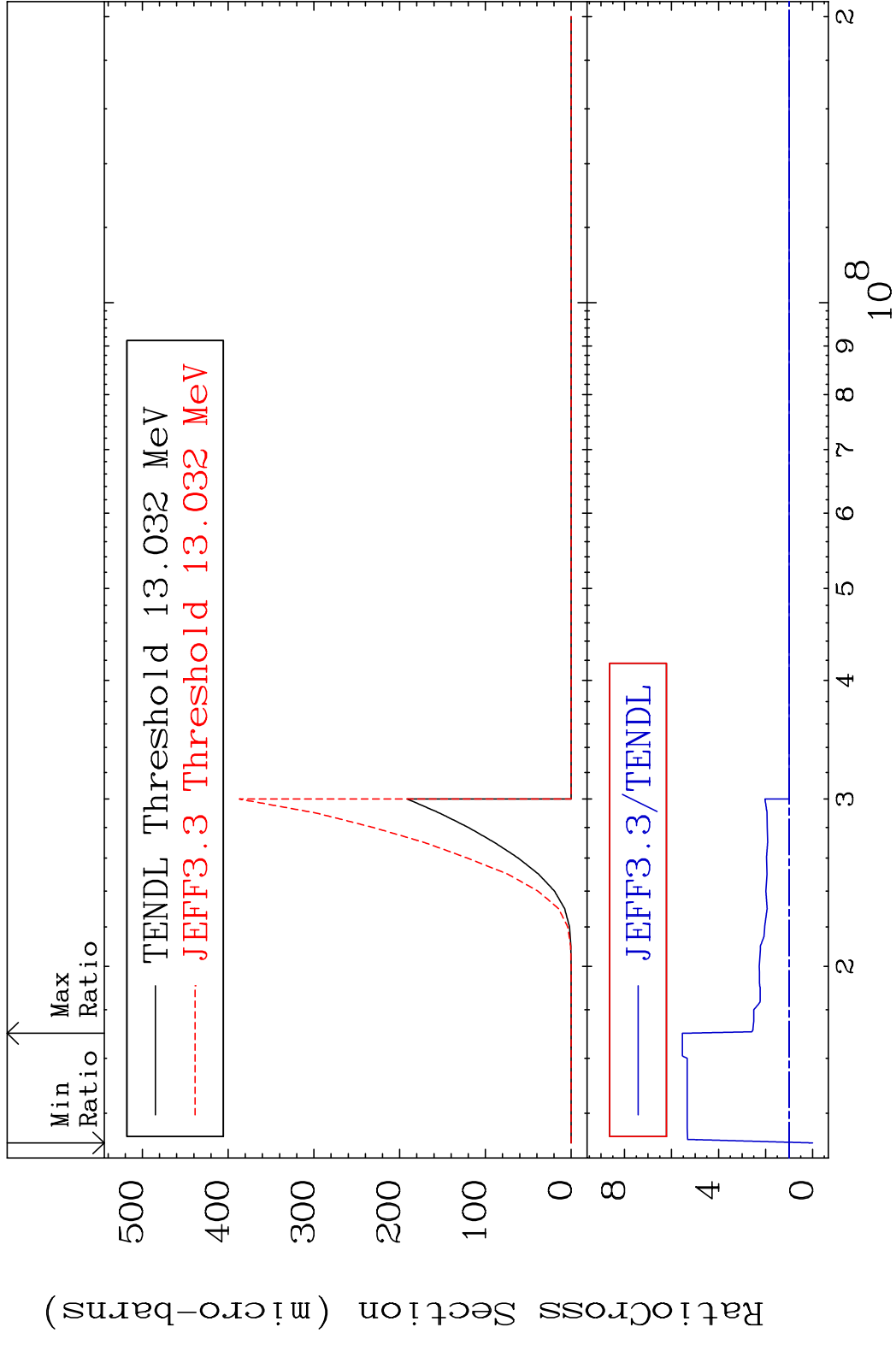




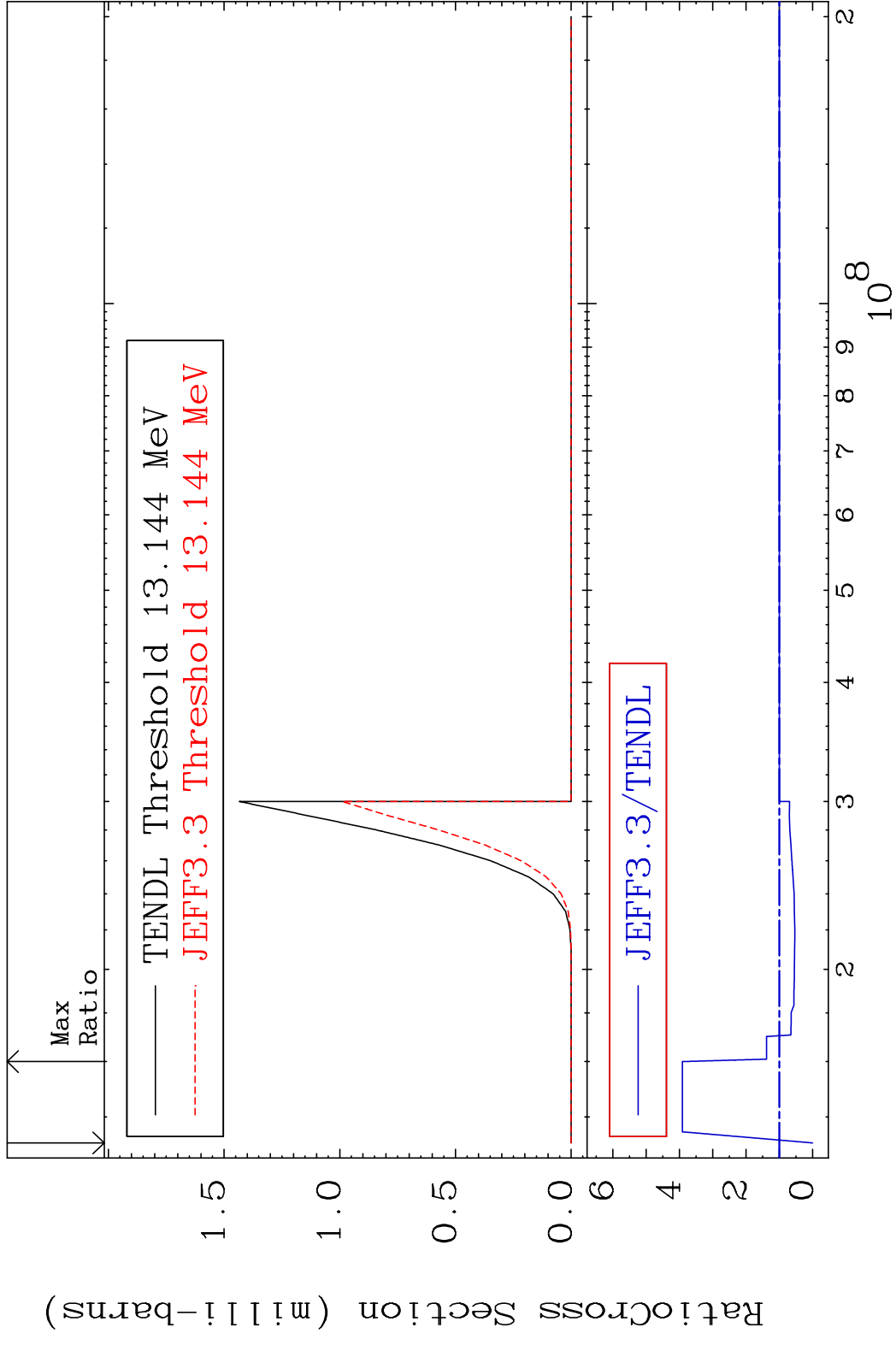


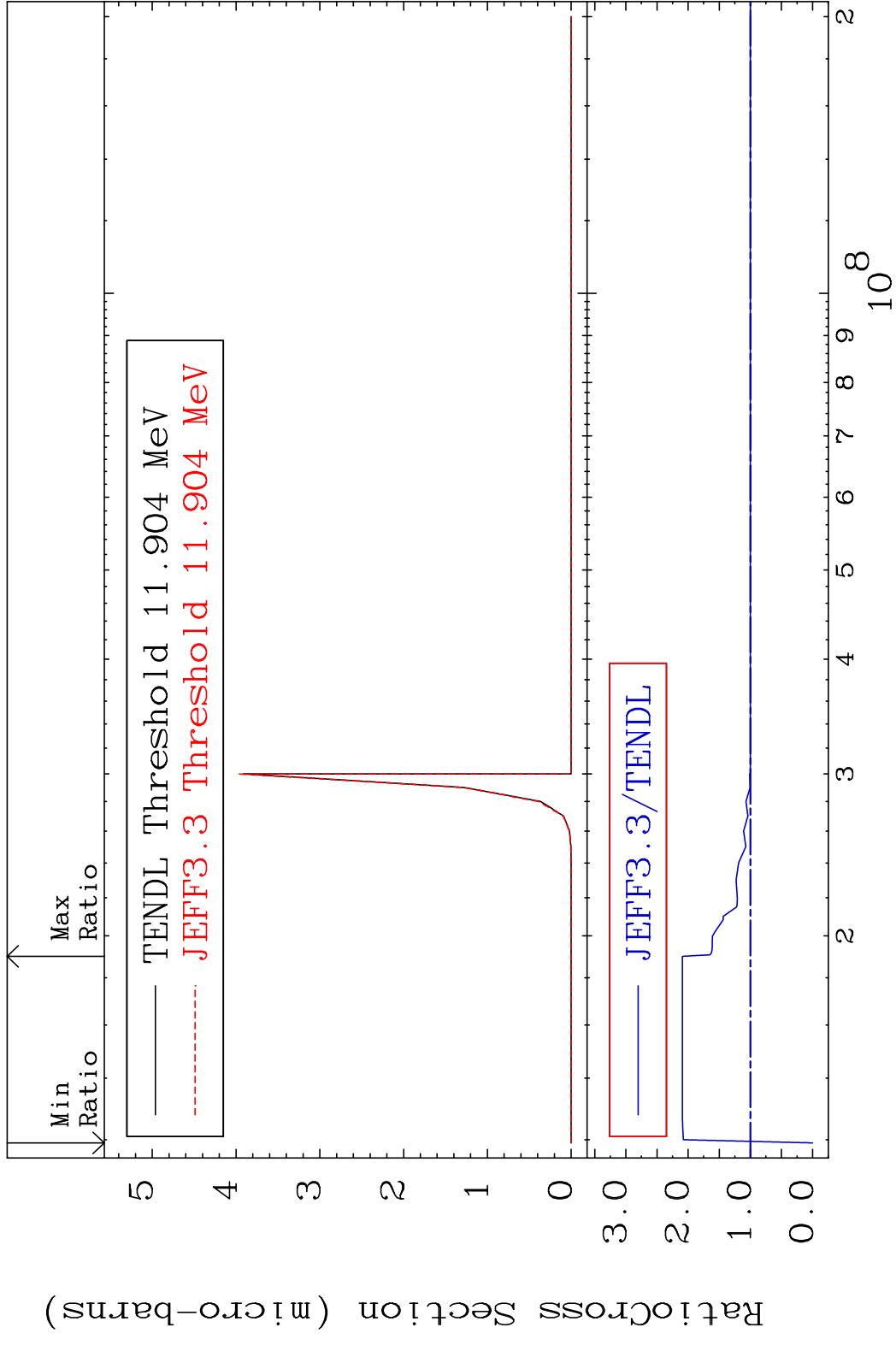


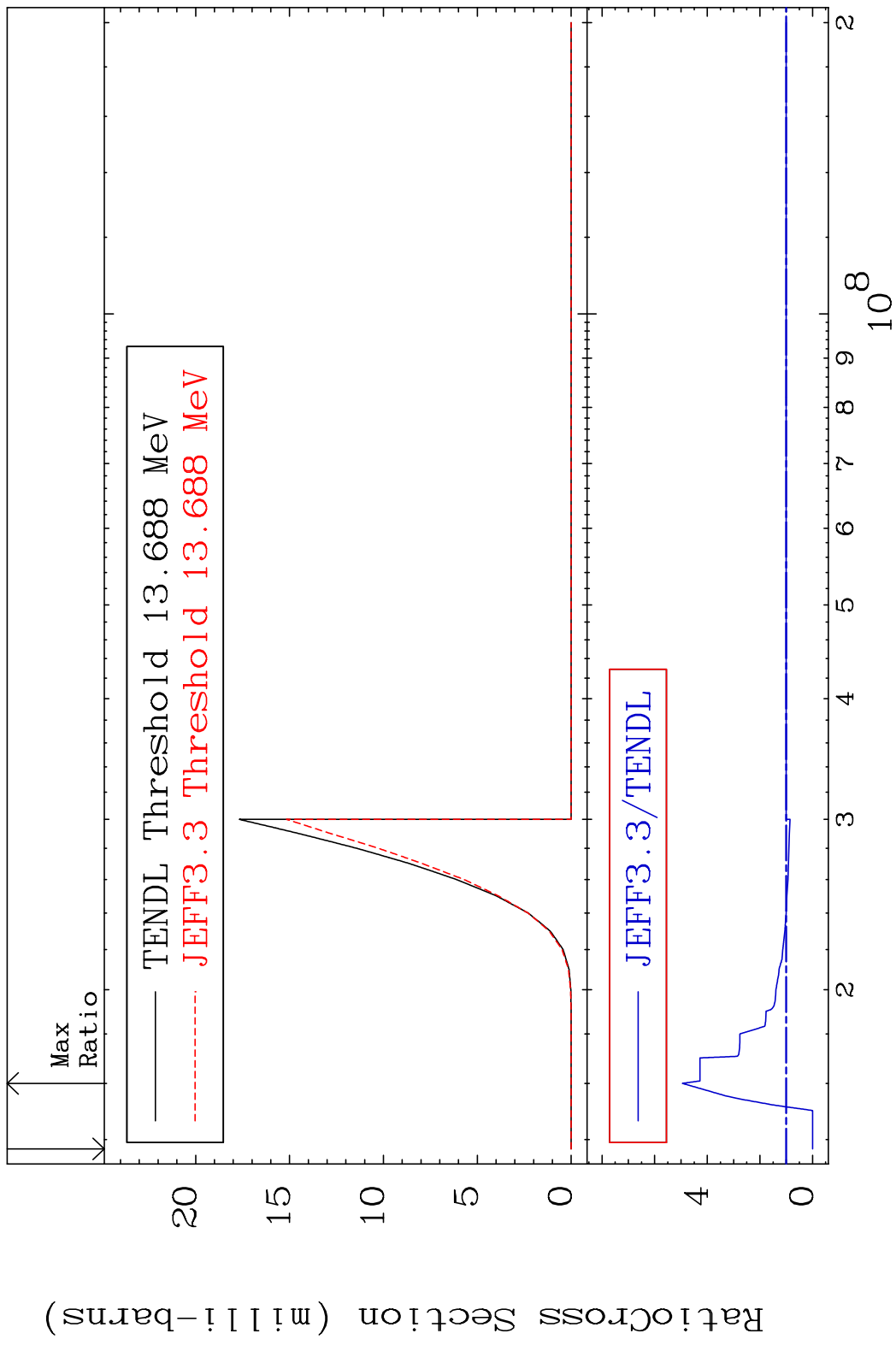
MAT 7840 (n, n') t:77-Ir-192m3 78-Pt-195
 Radionuclide Production Cross Section 180.0 dth 454.0 %

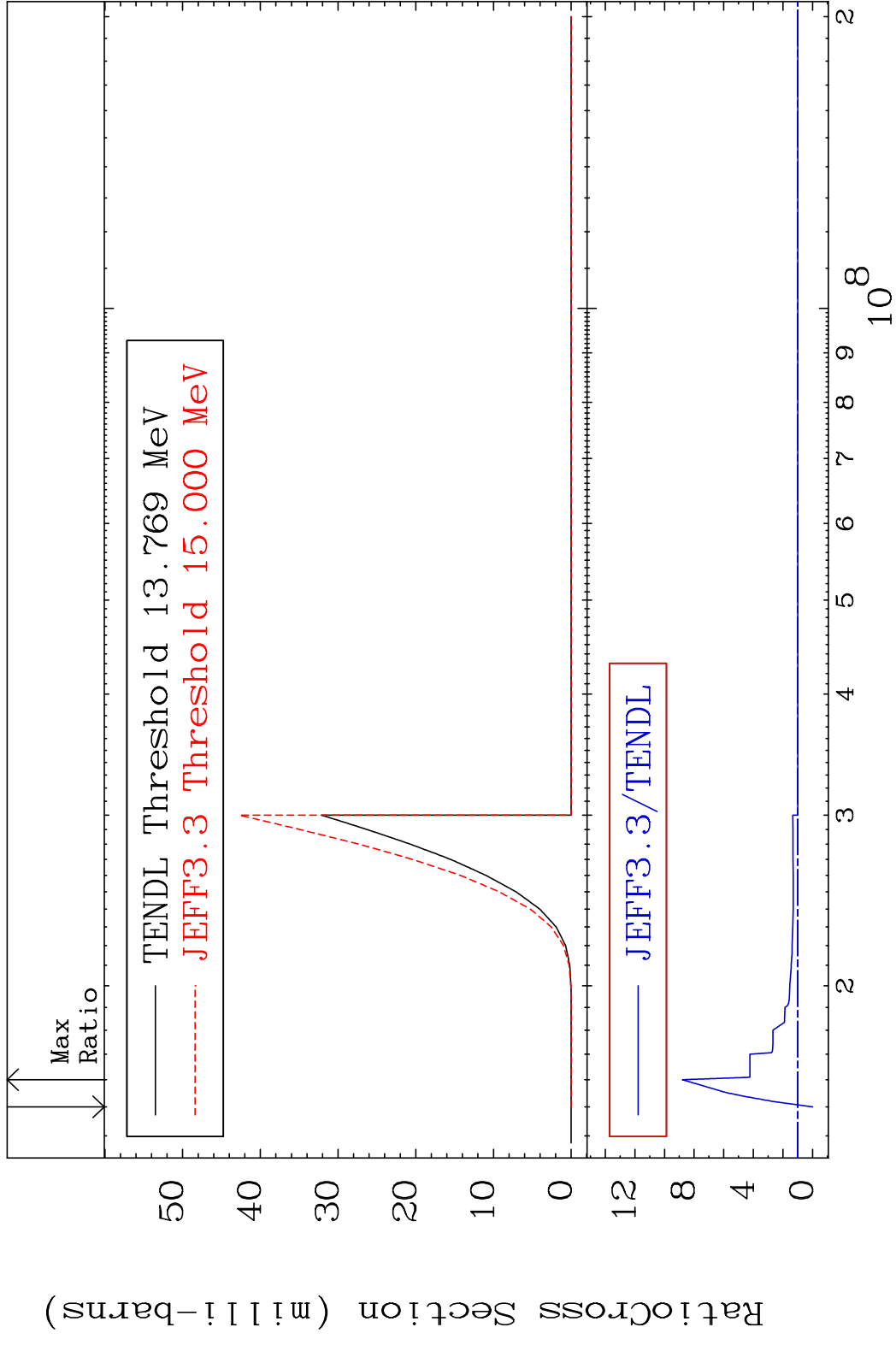


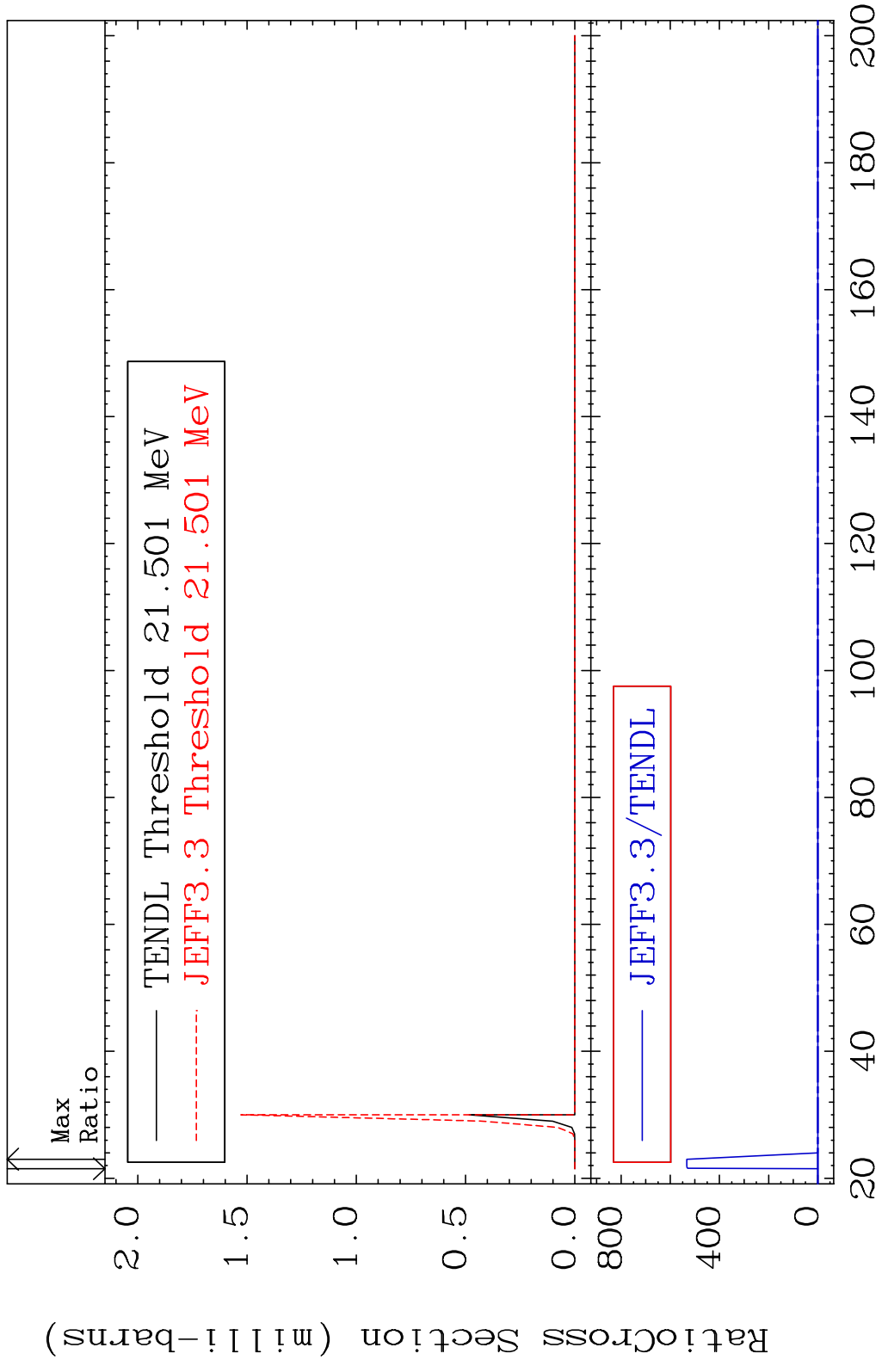
MAT 7840 (n, n') t:77-Ir-192m15 78-Pt-195
 Radionuclide Production Cross Section Ratio 291.0 %

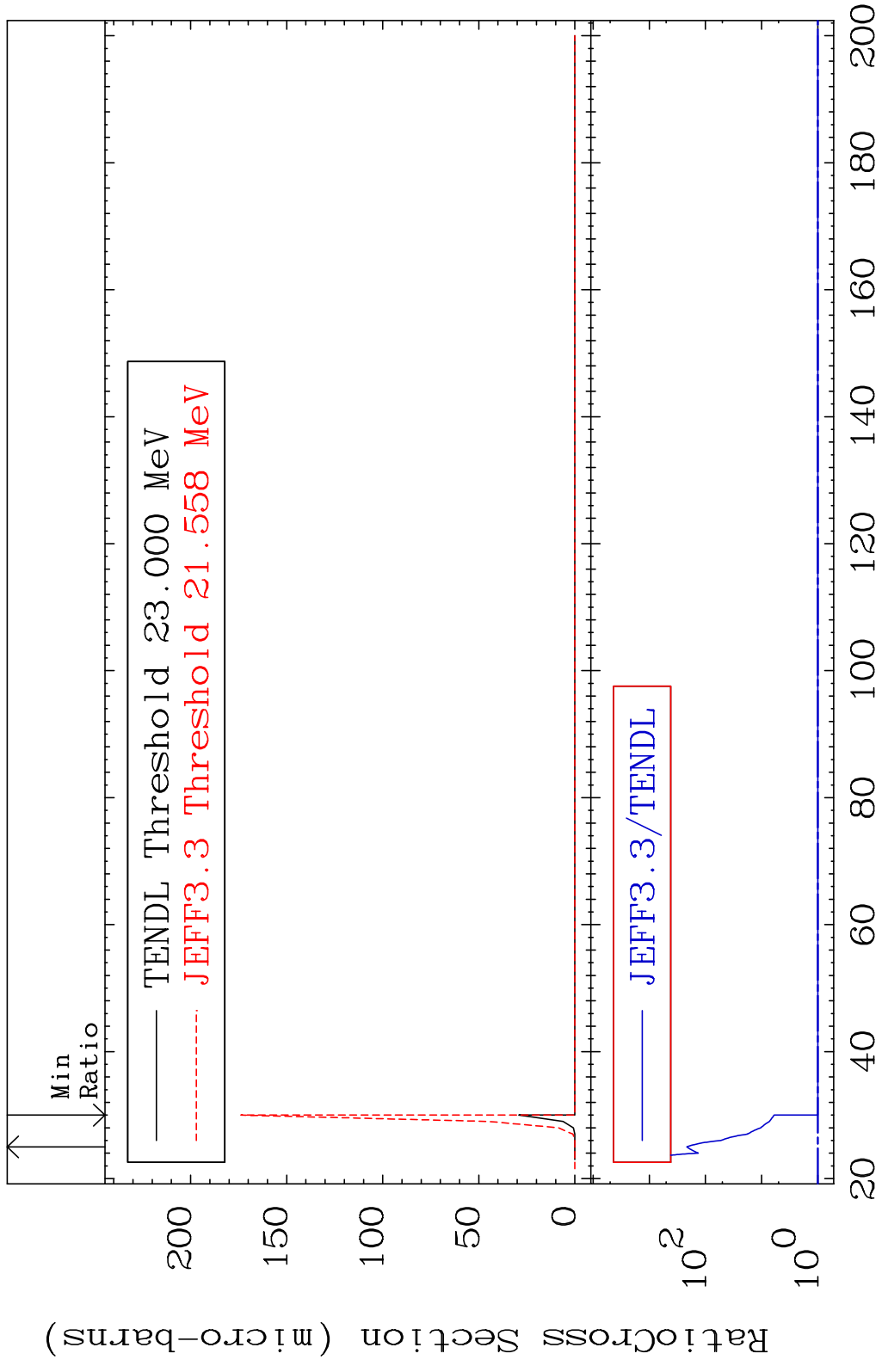


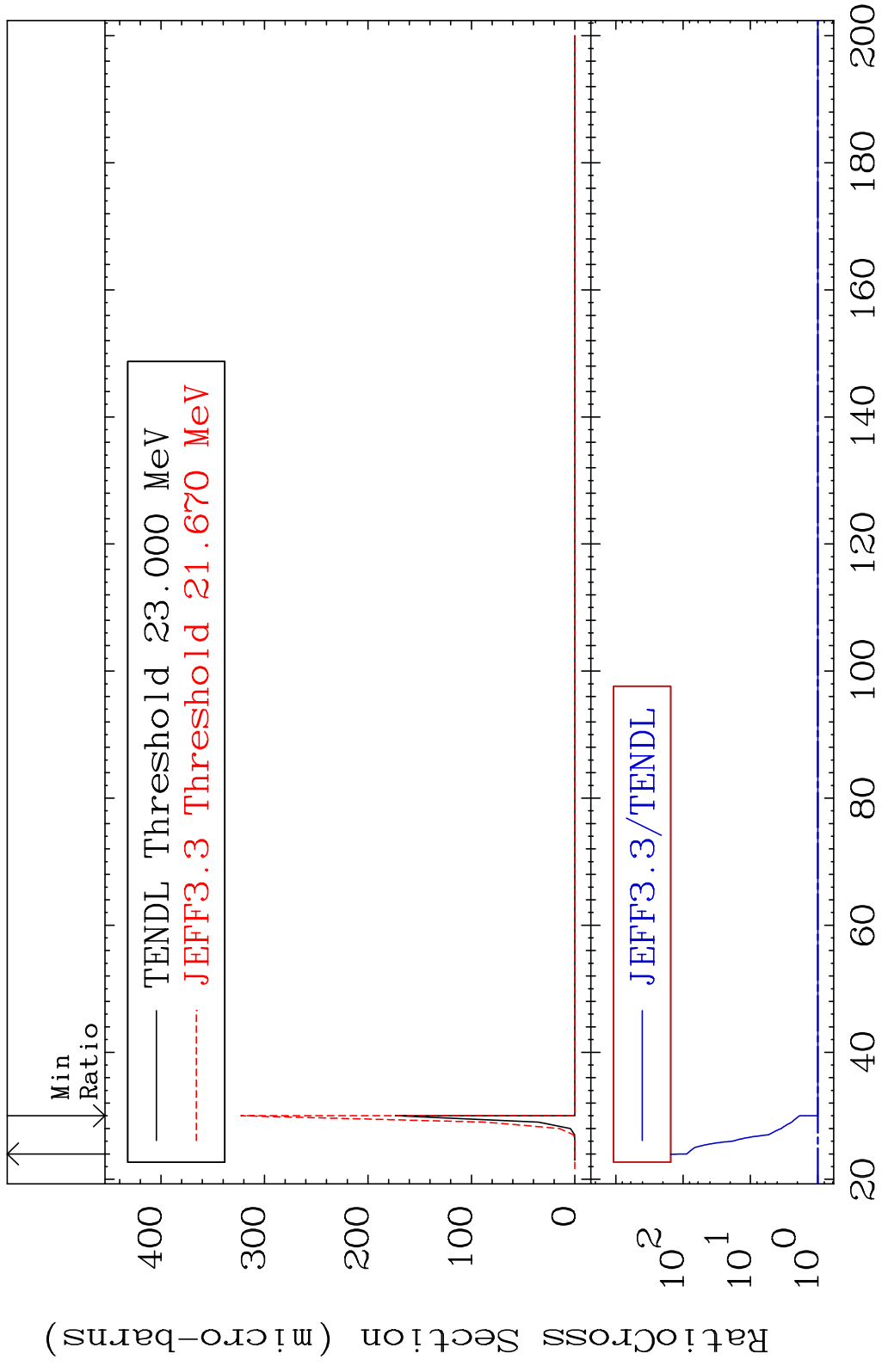


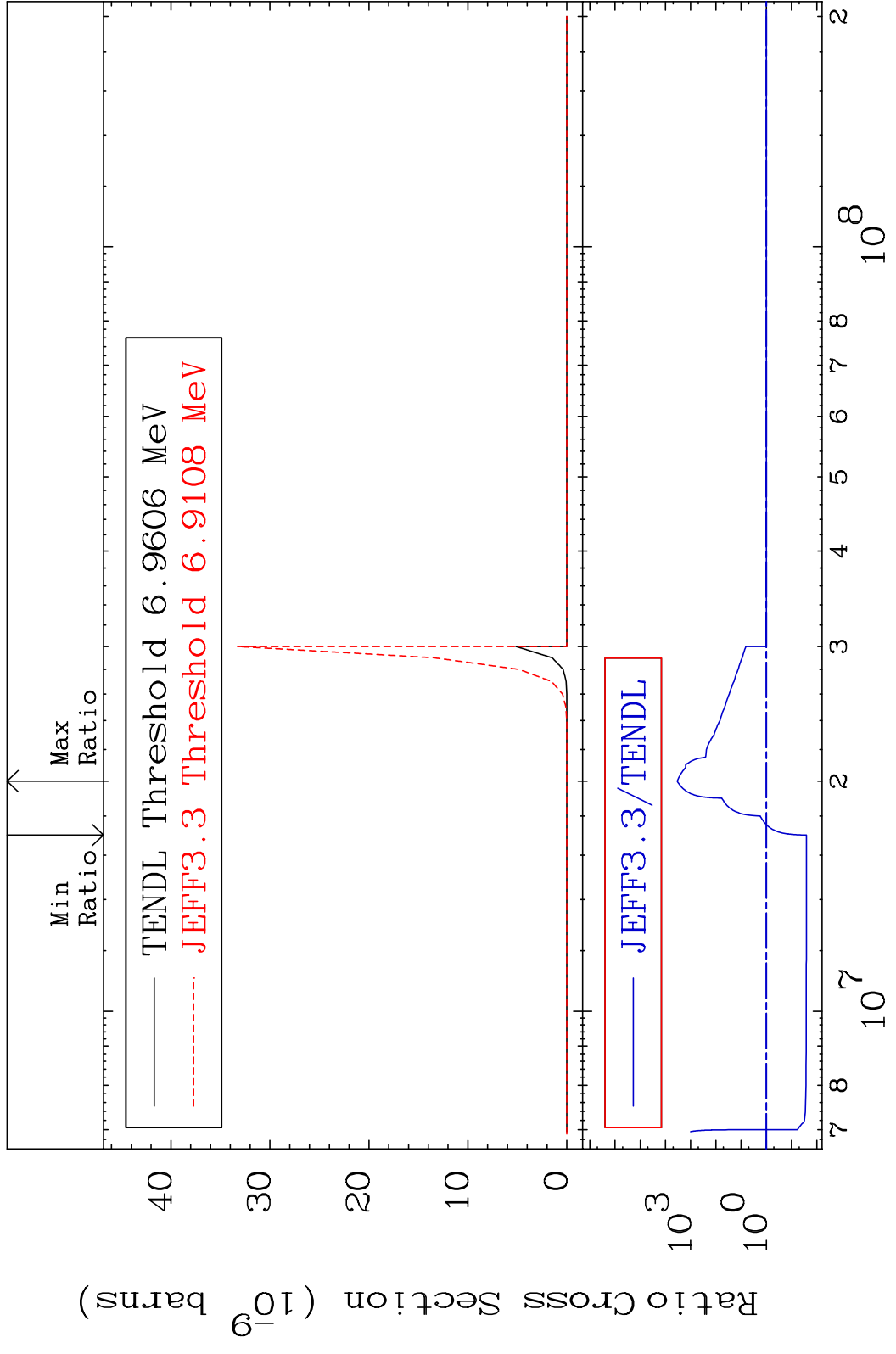


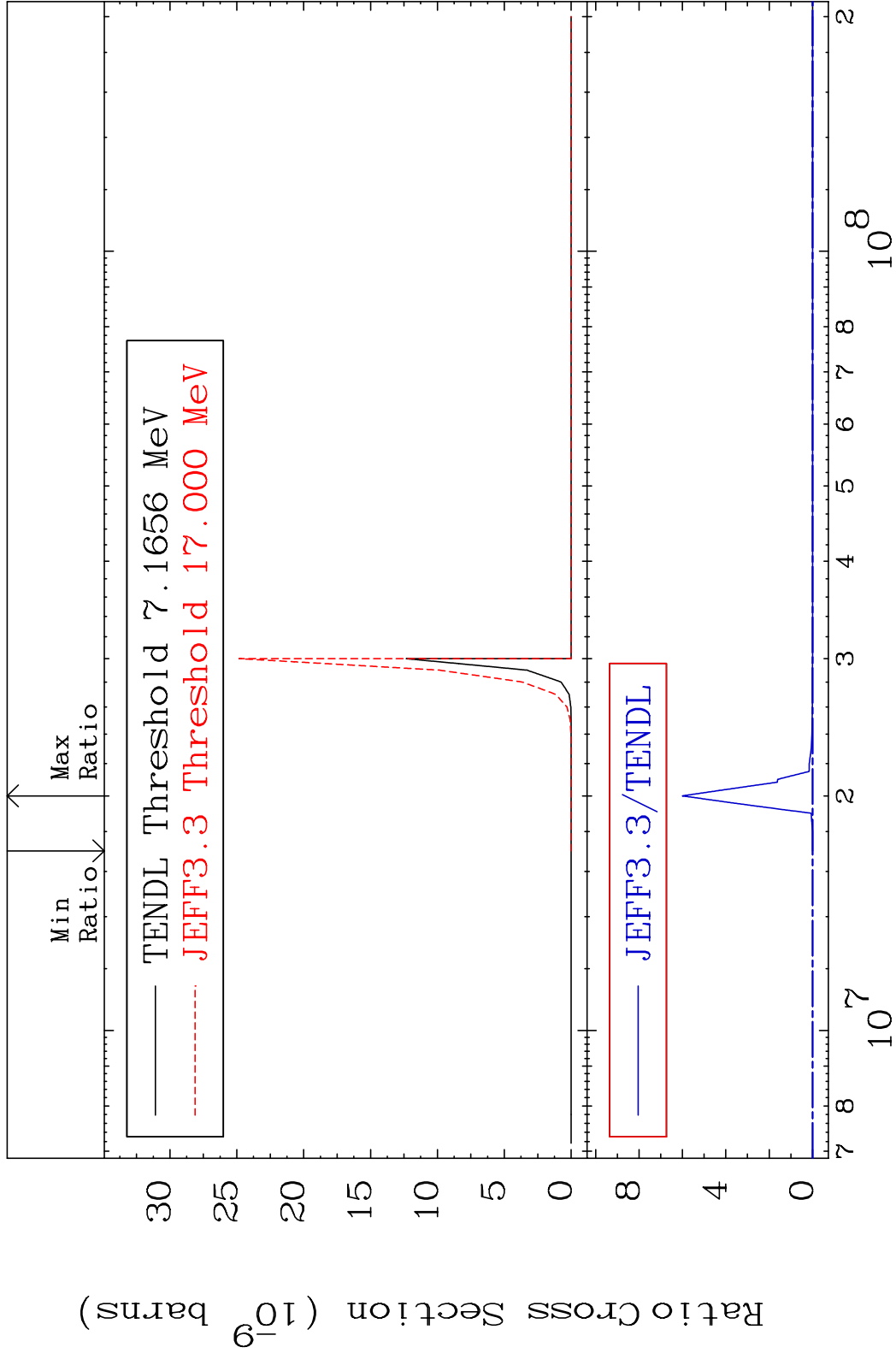


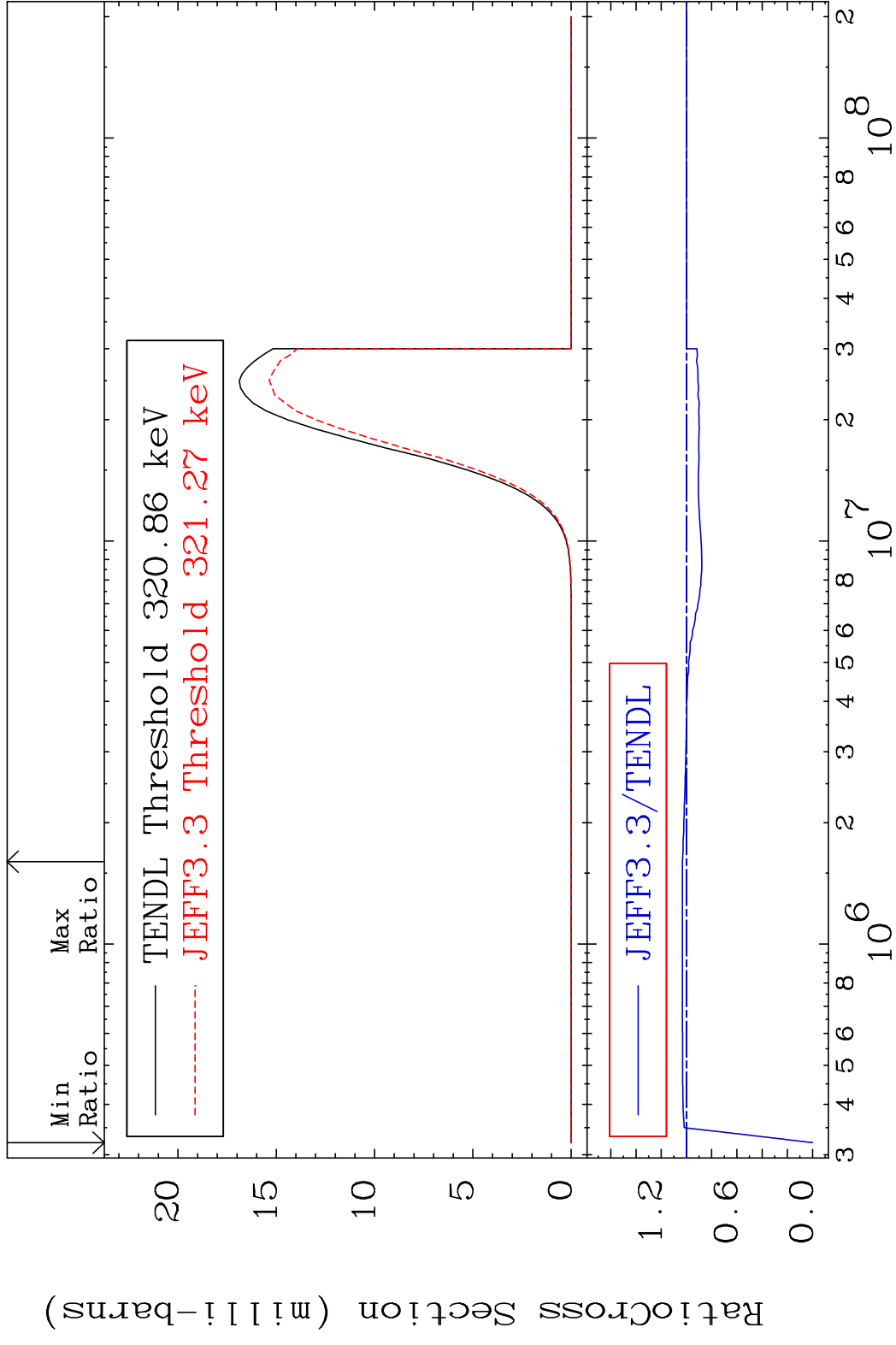


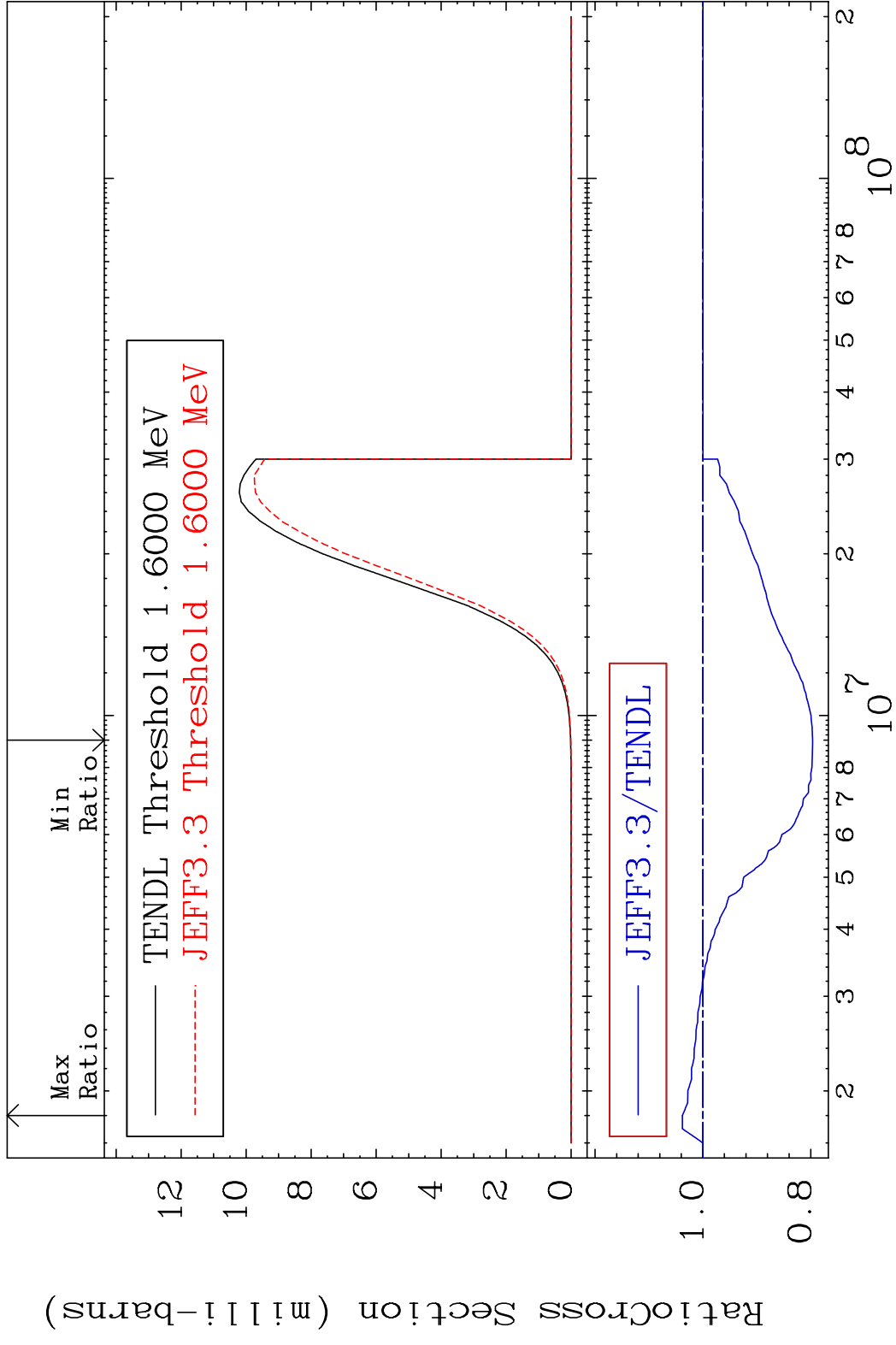


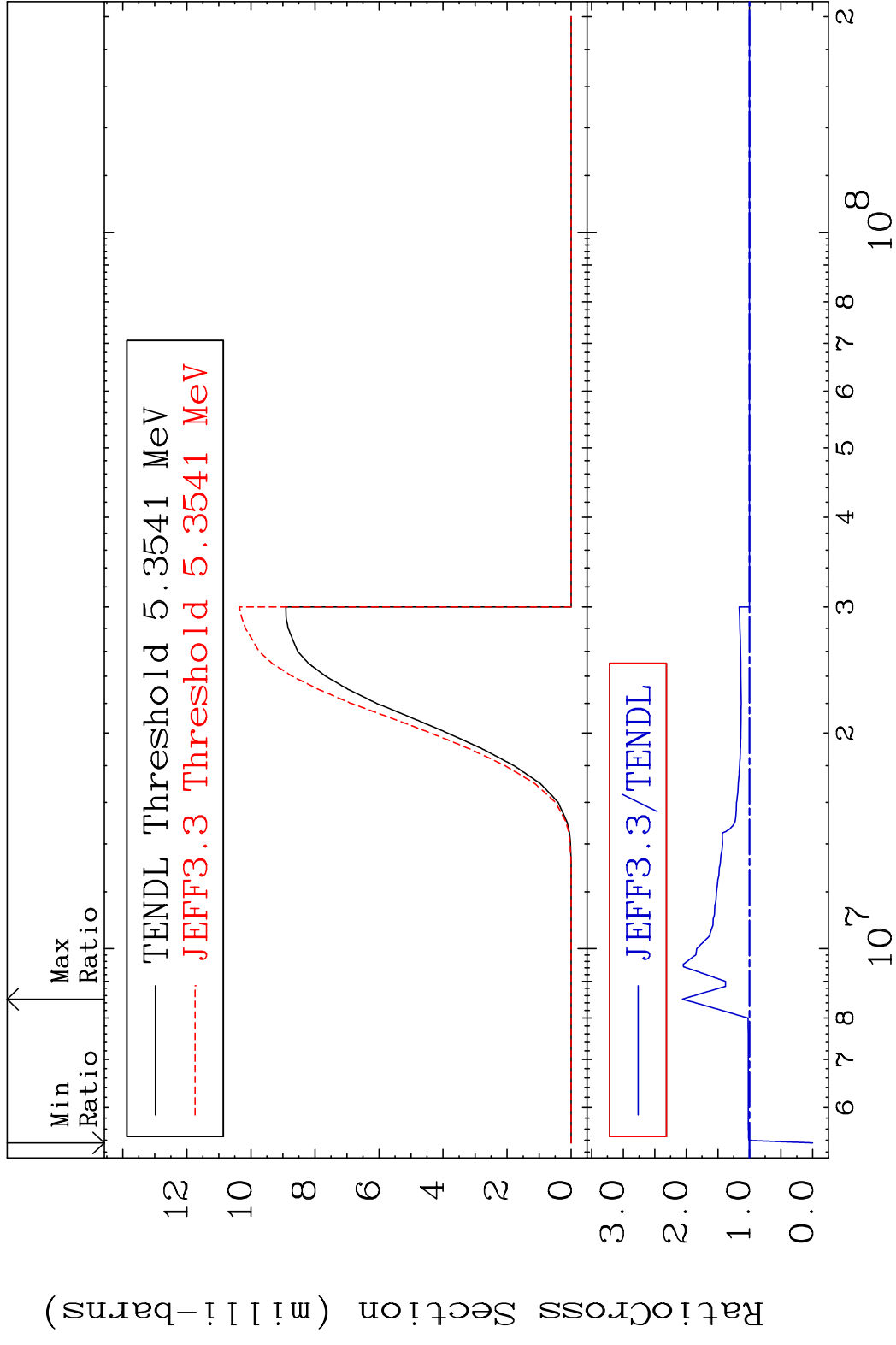


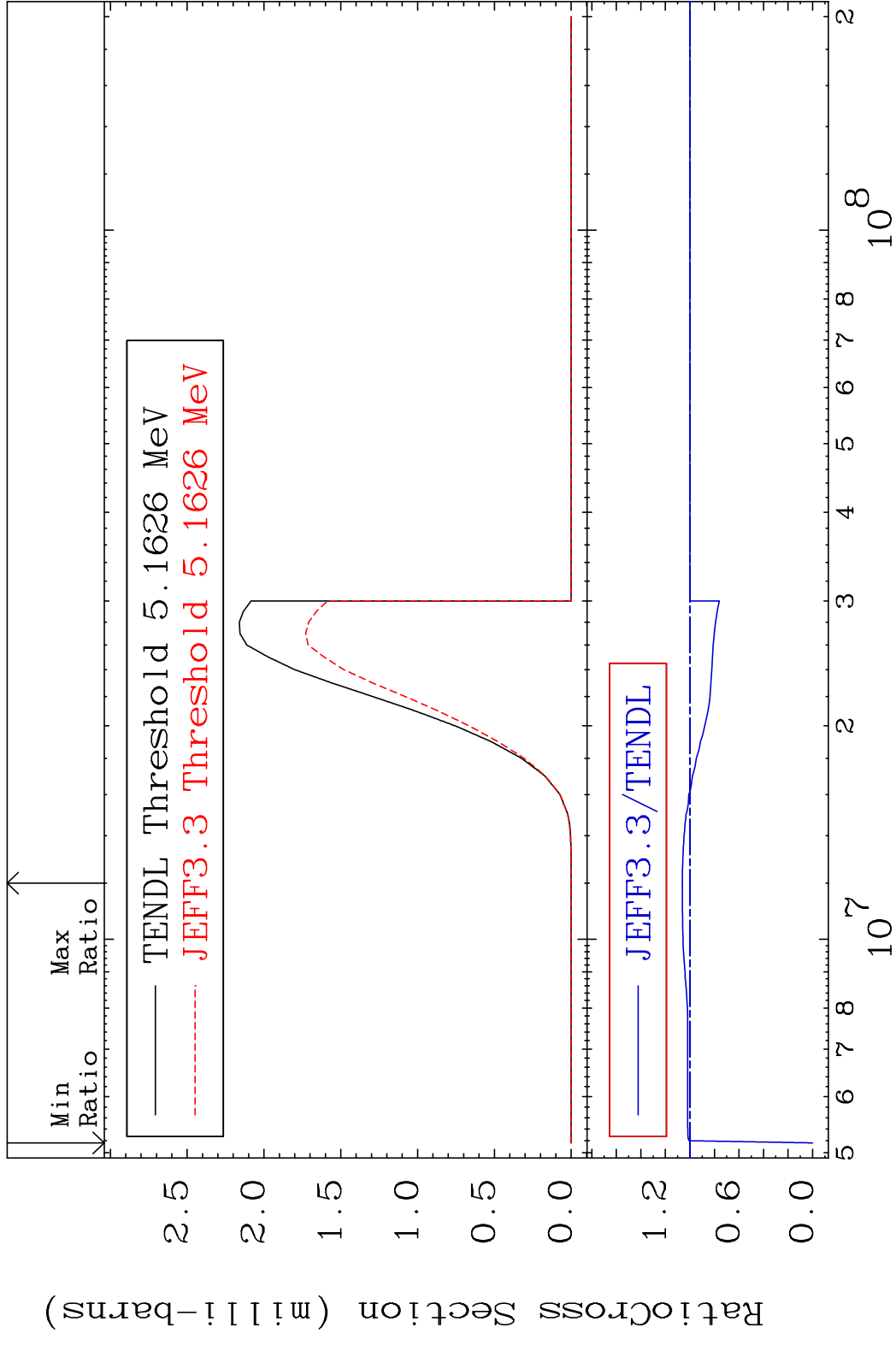




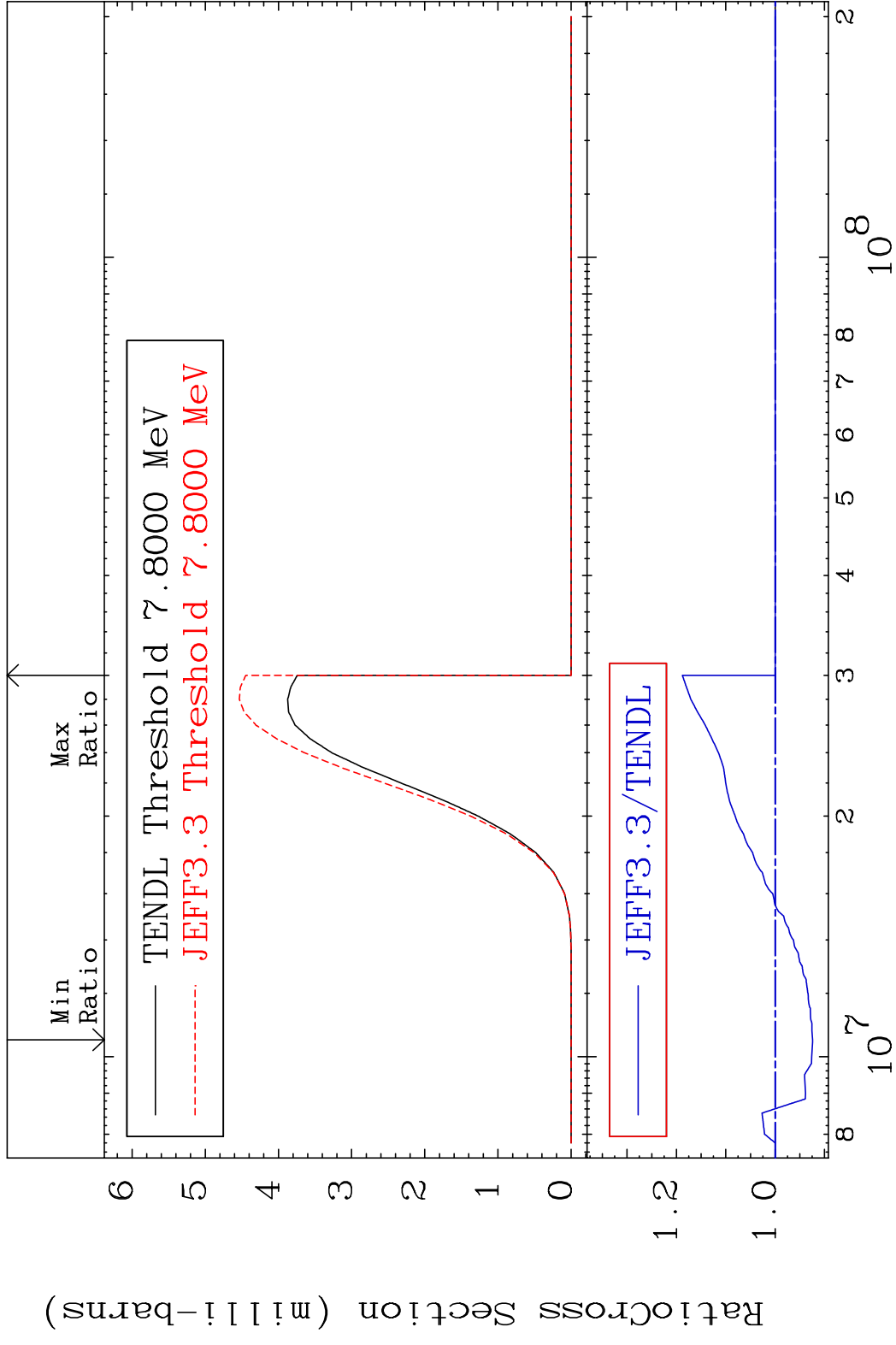








MAT 7840 (n, t): 77-Ir-193m2 78-Pt-195
 Radionuclide Production Cross Section 18.80 %



MAT 7840 (n,p) t:76-0s-192g 78-Pt-195
 Radionuclide Production Cross Section Ratio 0.000 %

