

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

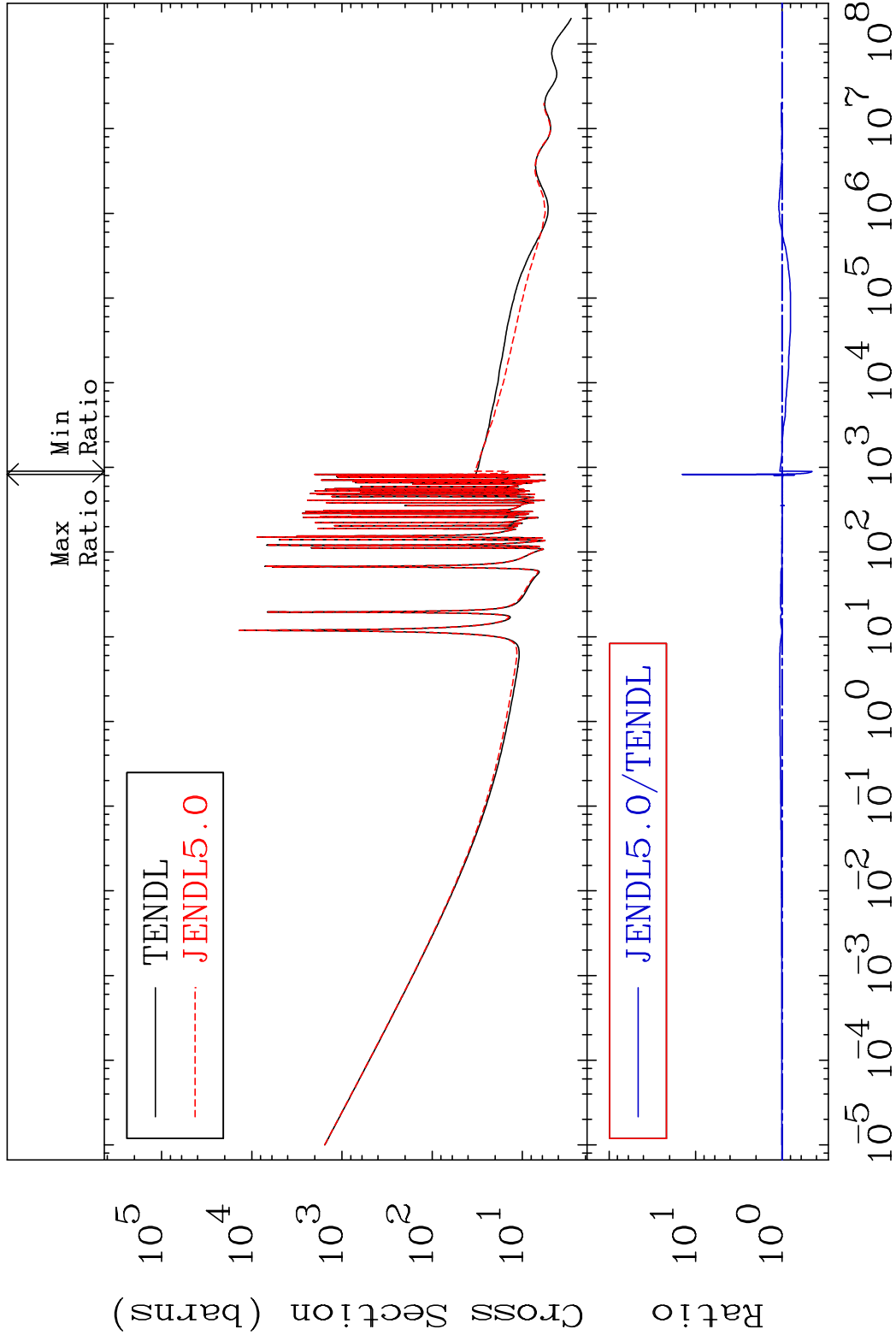
Press Mouse Button to Start

MAT 7840

Total

78-Pt-195

Cross Section -55.56 To 1322. %



1

Incident Energy (eV)

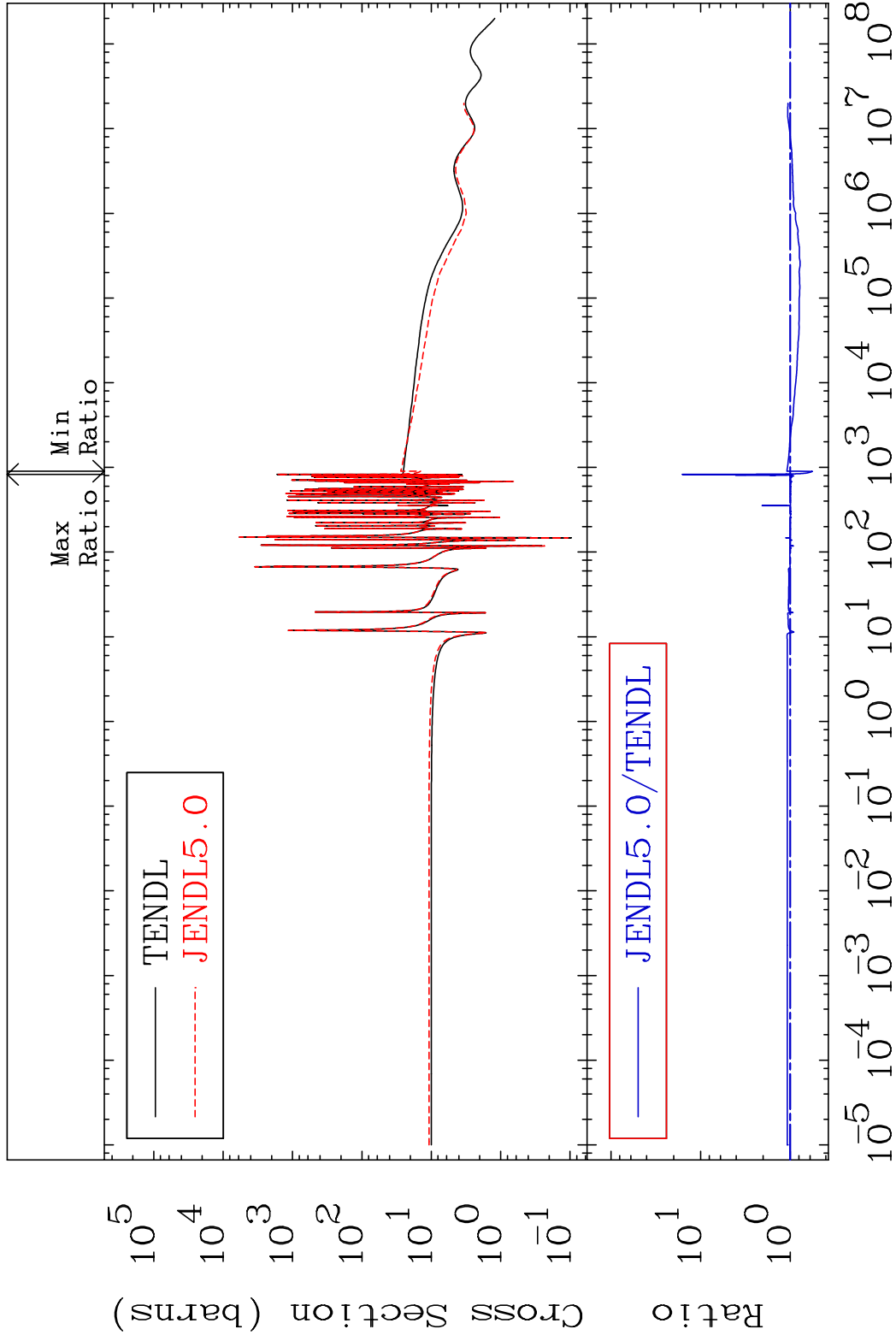
78-Pt-195

MAT 7840

Elastic

78-Pt-195

Cross Section -43.78 To 1497. %



2

Incident Energy (eV)

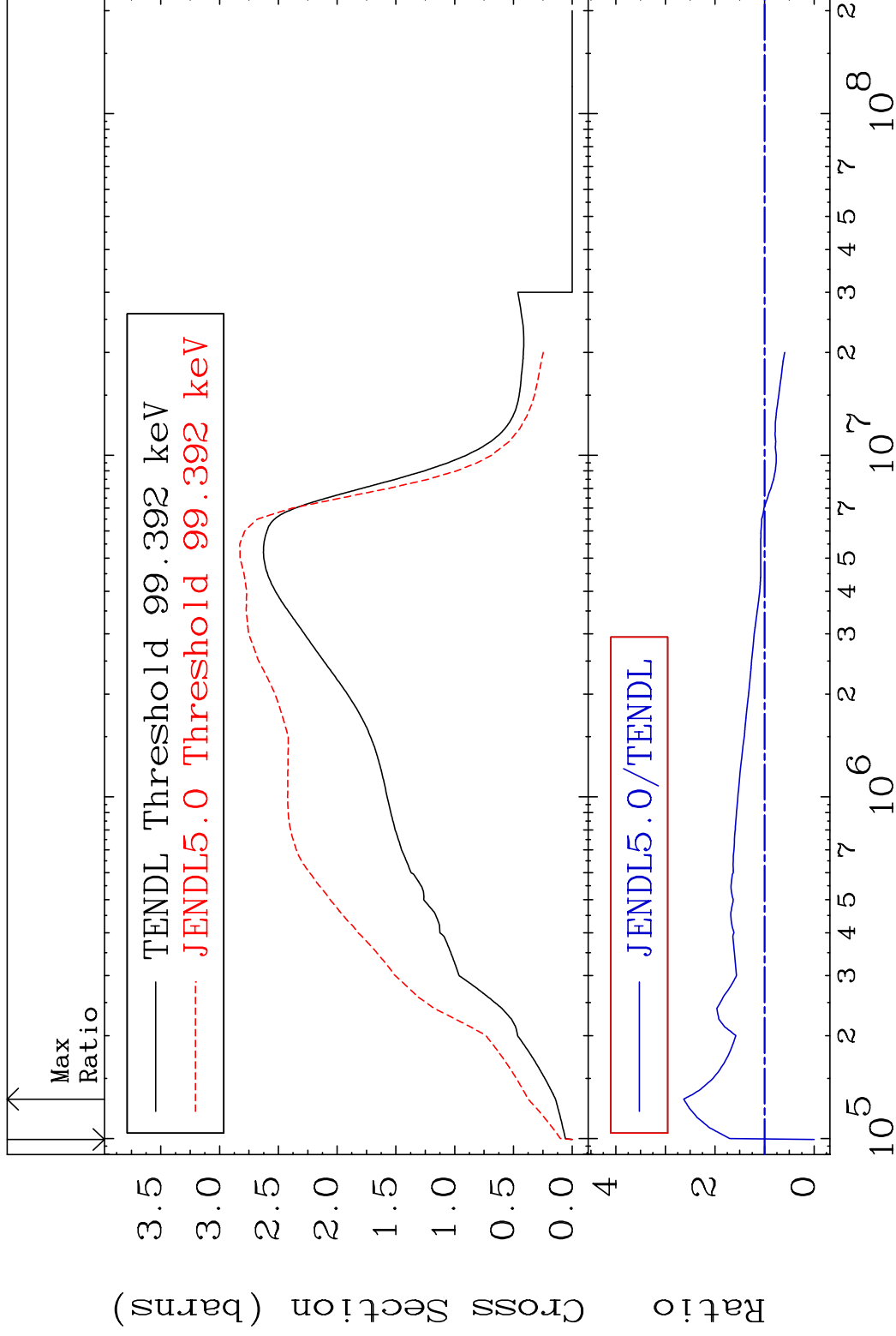
78-Pt-195

MAT 7840

Inelastic

78-Pt-195

Cross Section -100.0 To 163.1 %

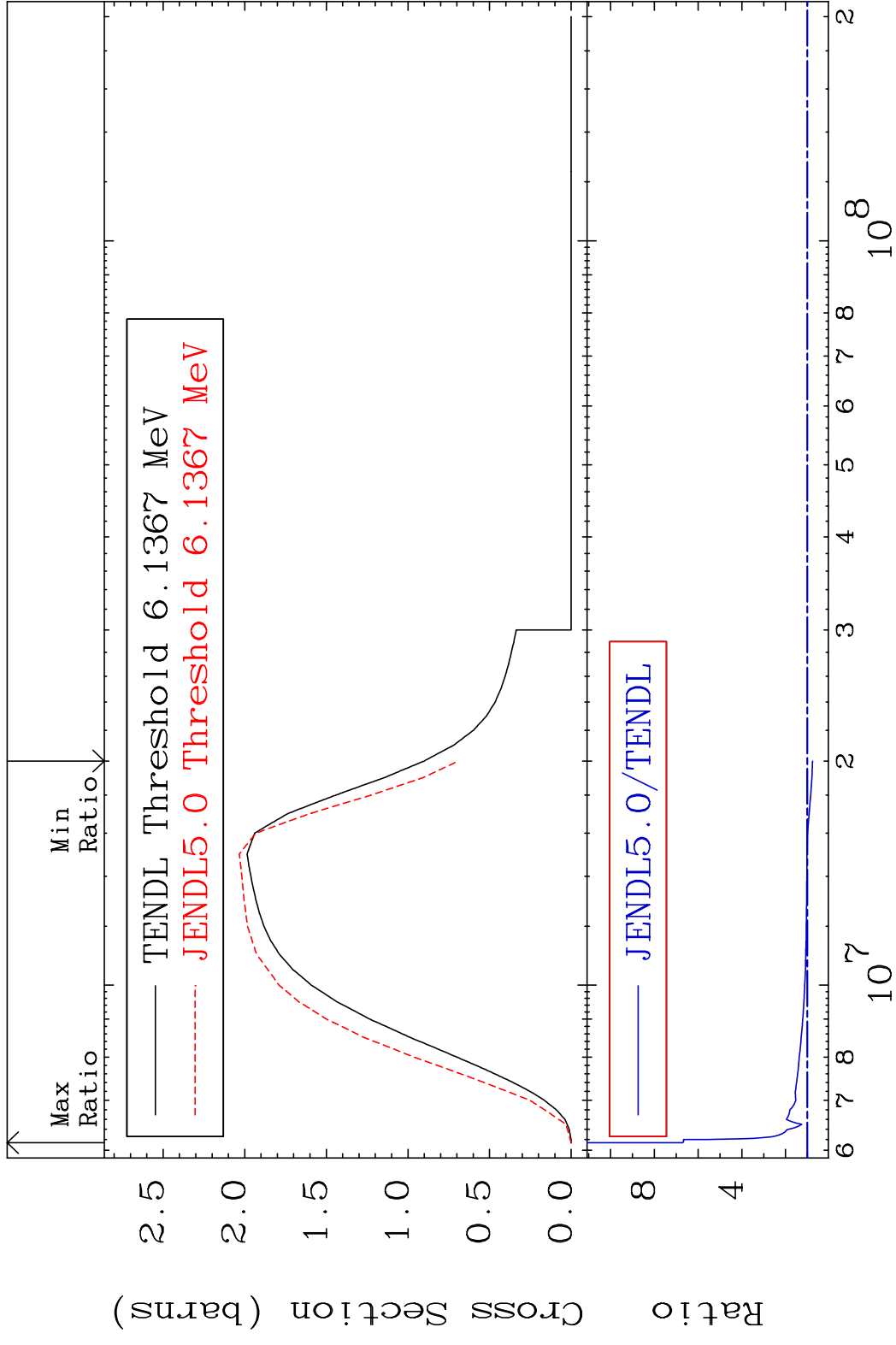


3

Incident Energy (eV)

78-Pt-195

MAT 7840 (n,2n) 78-Pt-195
 Cross Section -23.36 To 571.9 %



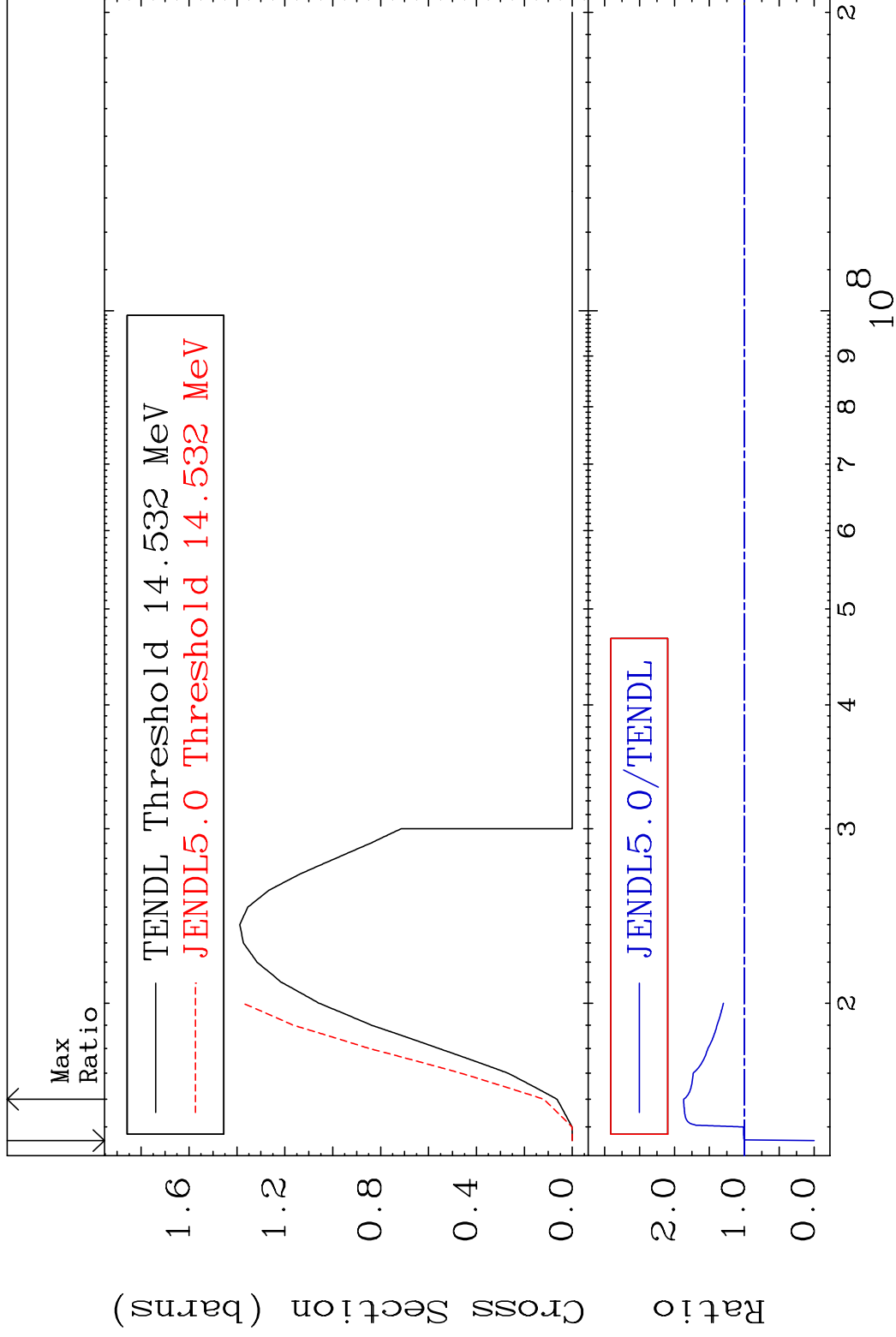
4 Incident Energy (eV) 78-Pt-195

MAT 7840

(n,3n)

78-Pt-195

Cross Section -100.0 To 86.84 %



5

Incident Energy (eV)

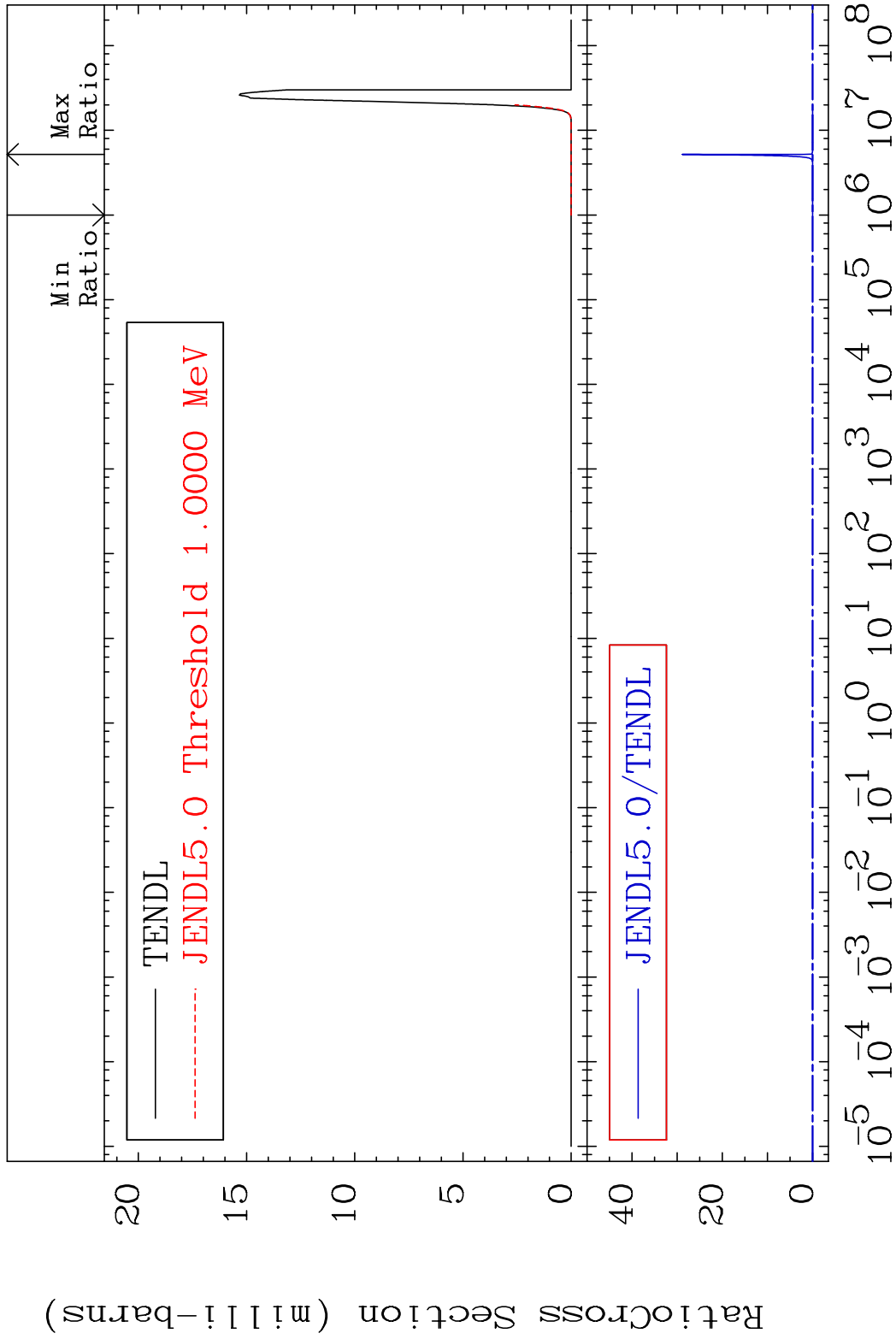
78-Pt-195

MAT 7840

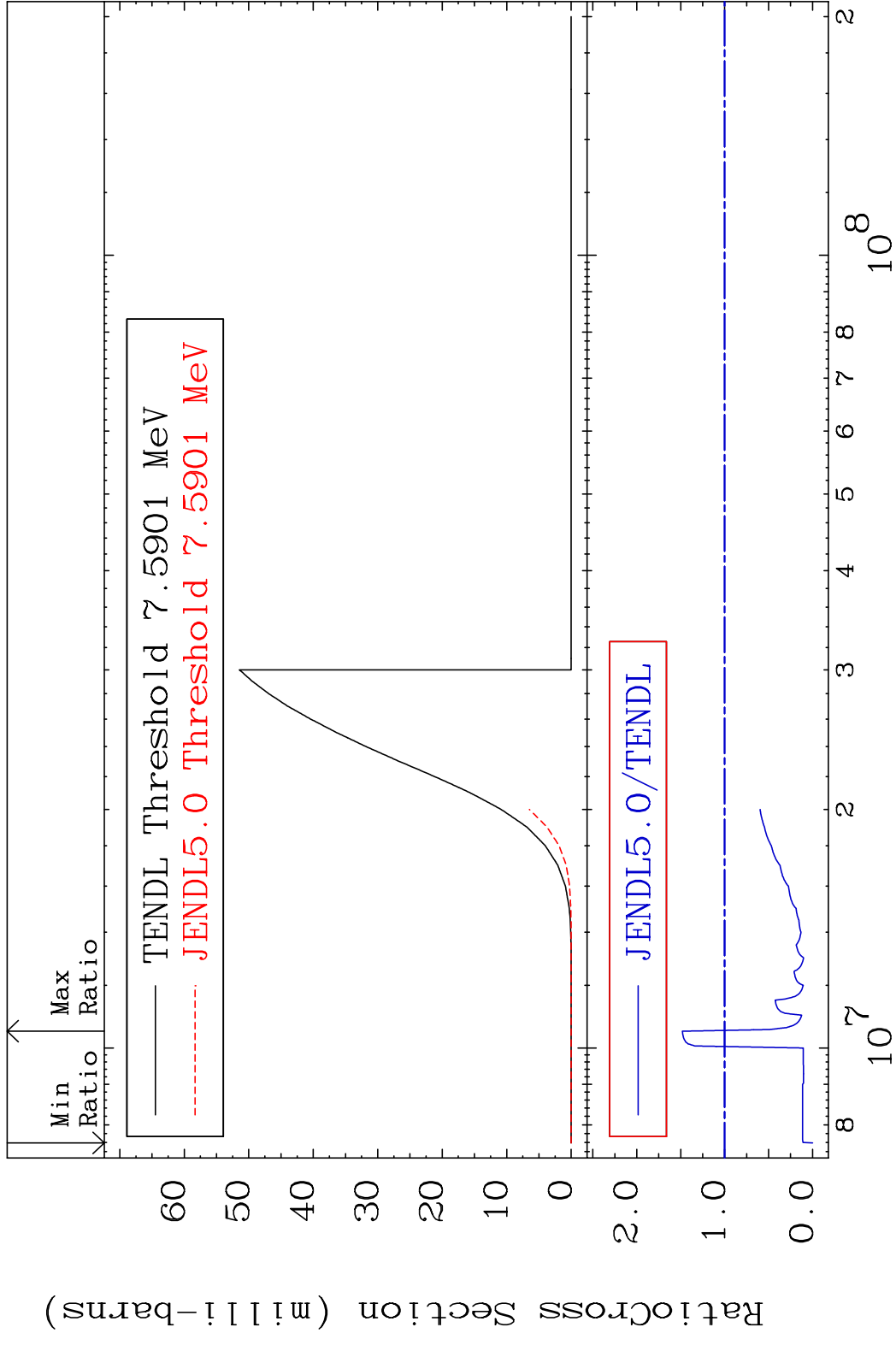
(n, n') α

78-Pt-195

Cross Section -100.0 To 9999. %



MAT 7840 (n, n') p 78-Pt-195
 Cross Section -100.0 To 48.14 %



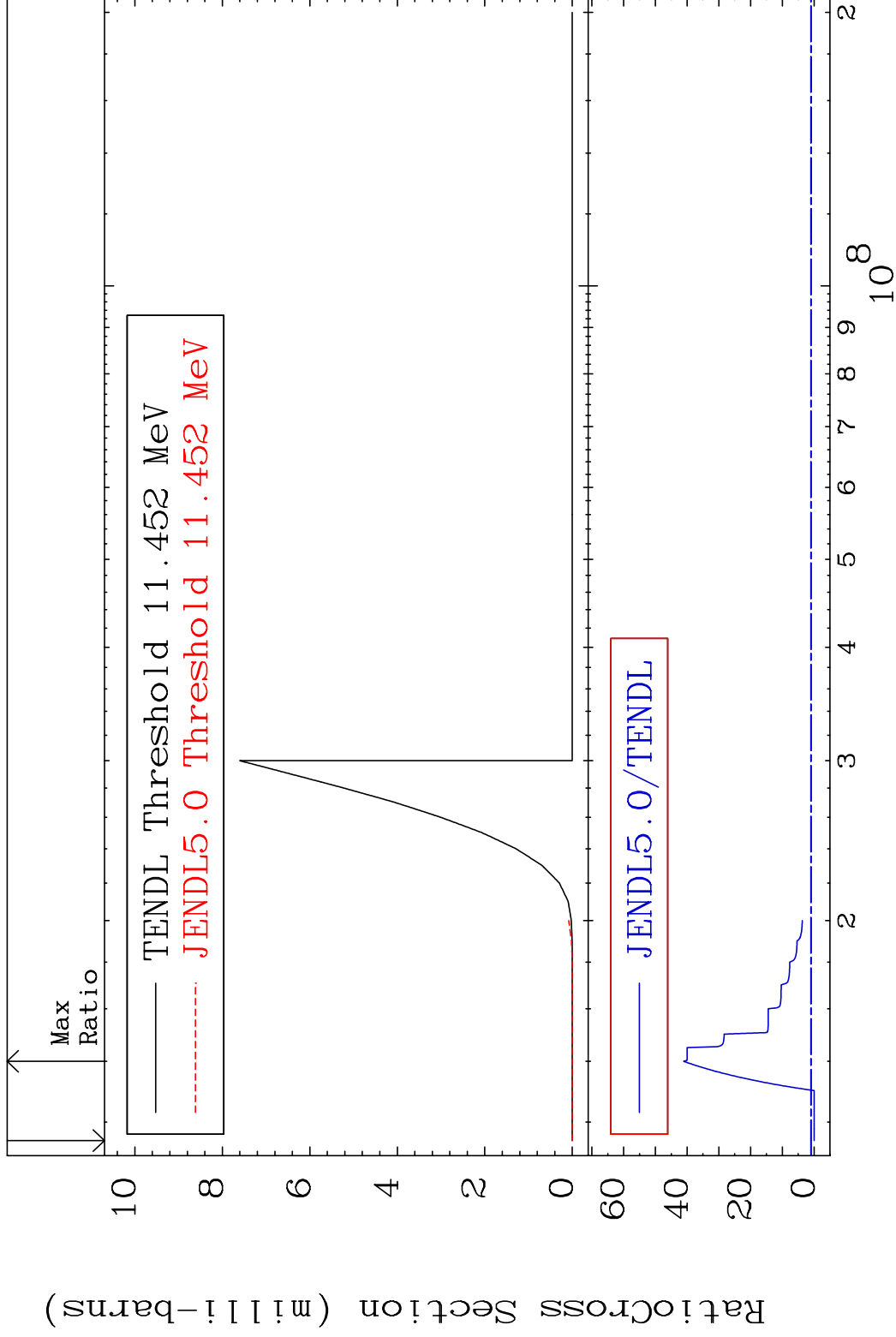
7 Incident Energy (eV) 78-Pt-195

MAT 7840

(n, n') d

78-Pt-195

Cross Section -100.0 To 4009. %



8

Incident Energy (eV)

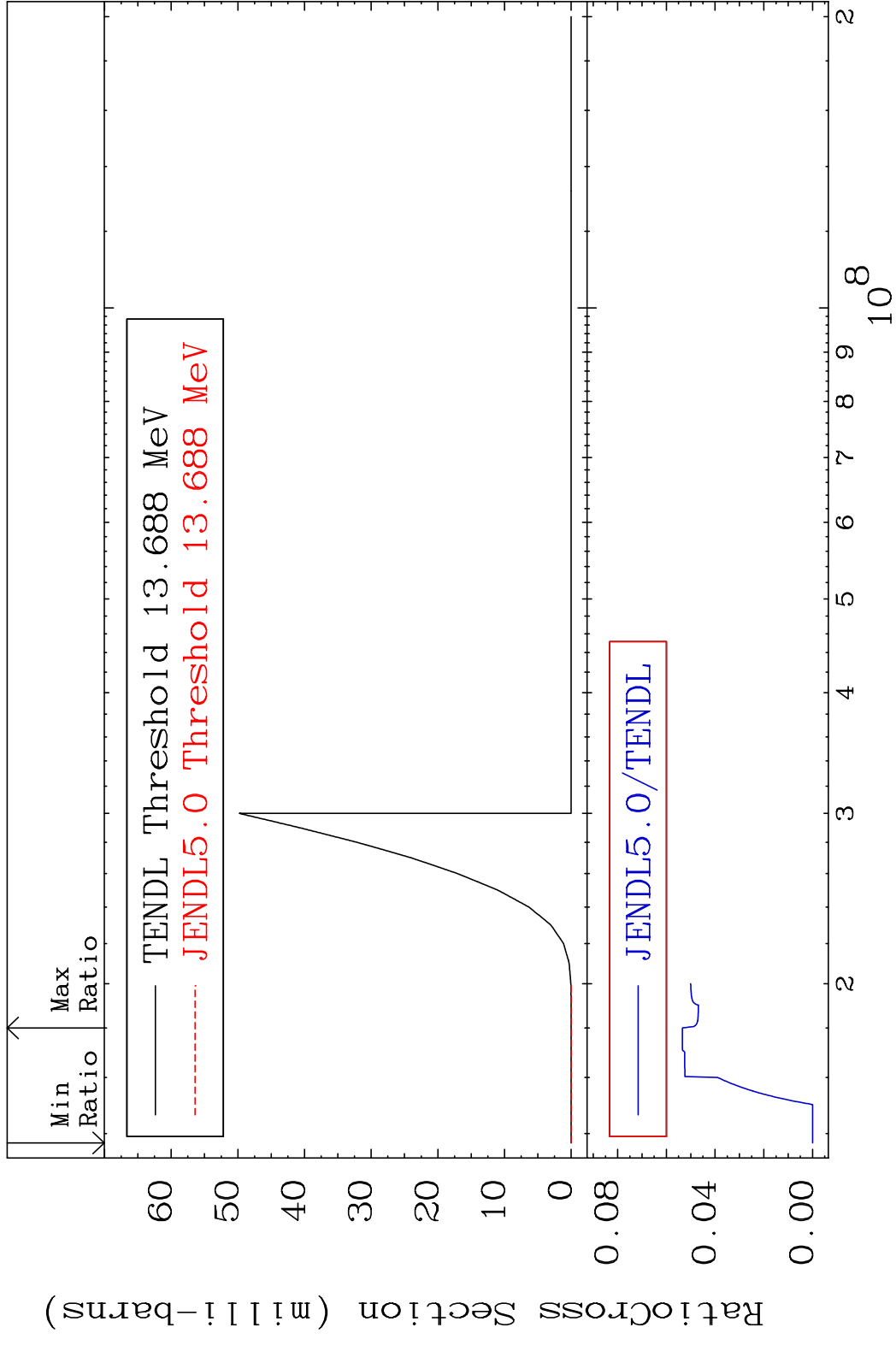
78-Pt-195

MAT 7840

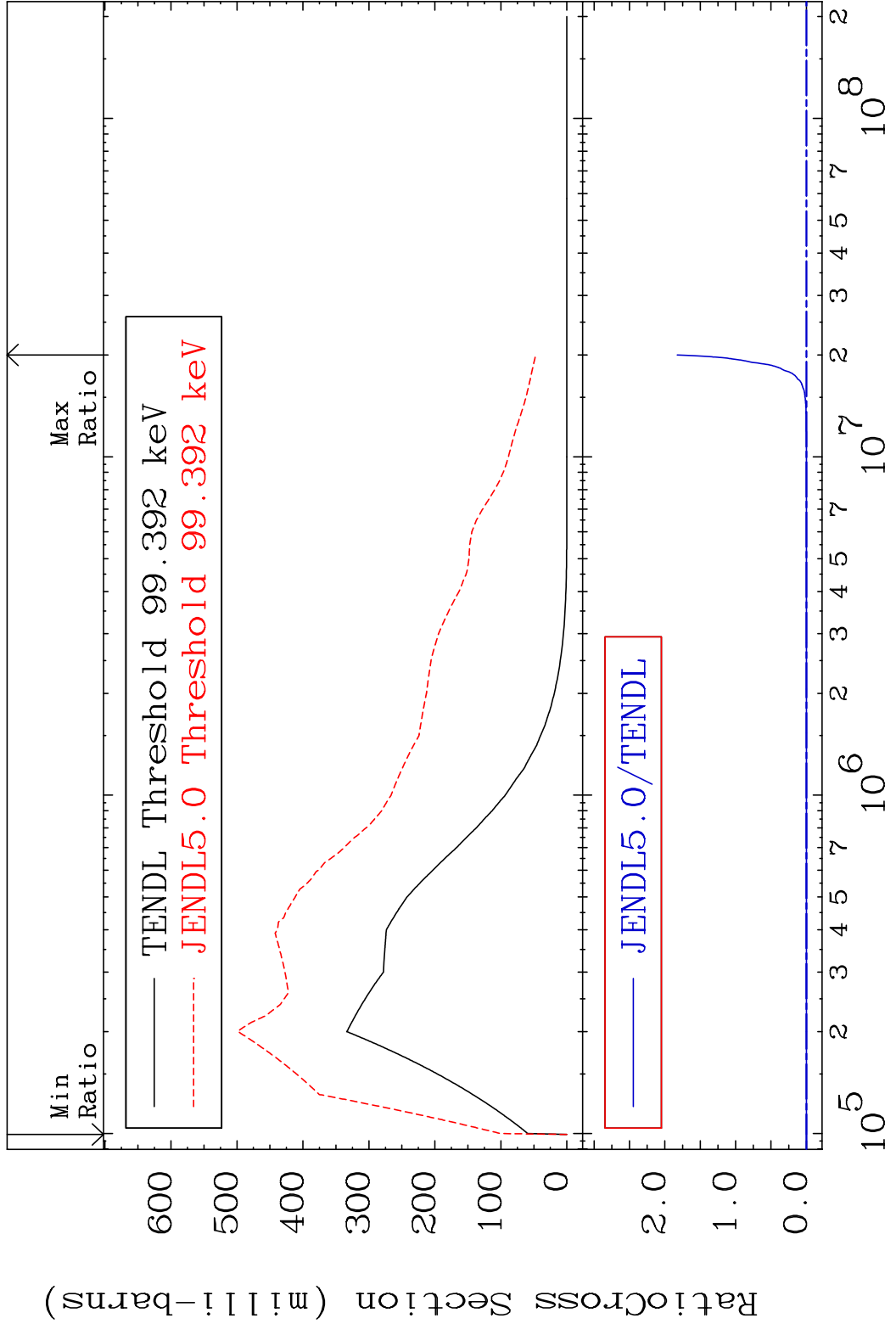
(n,2n) p

78-Pt-195

Cross Section -100.0 To -94.66%

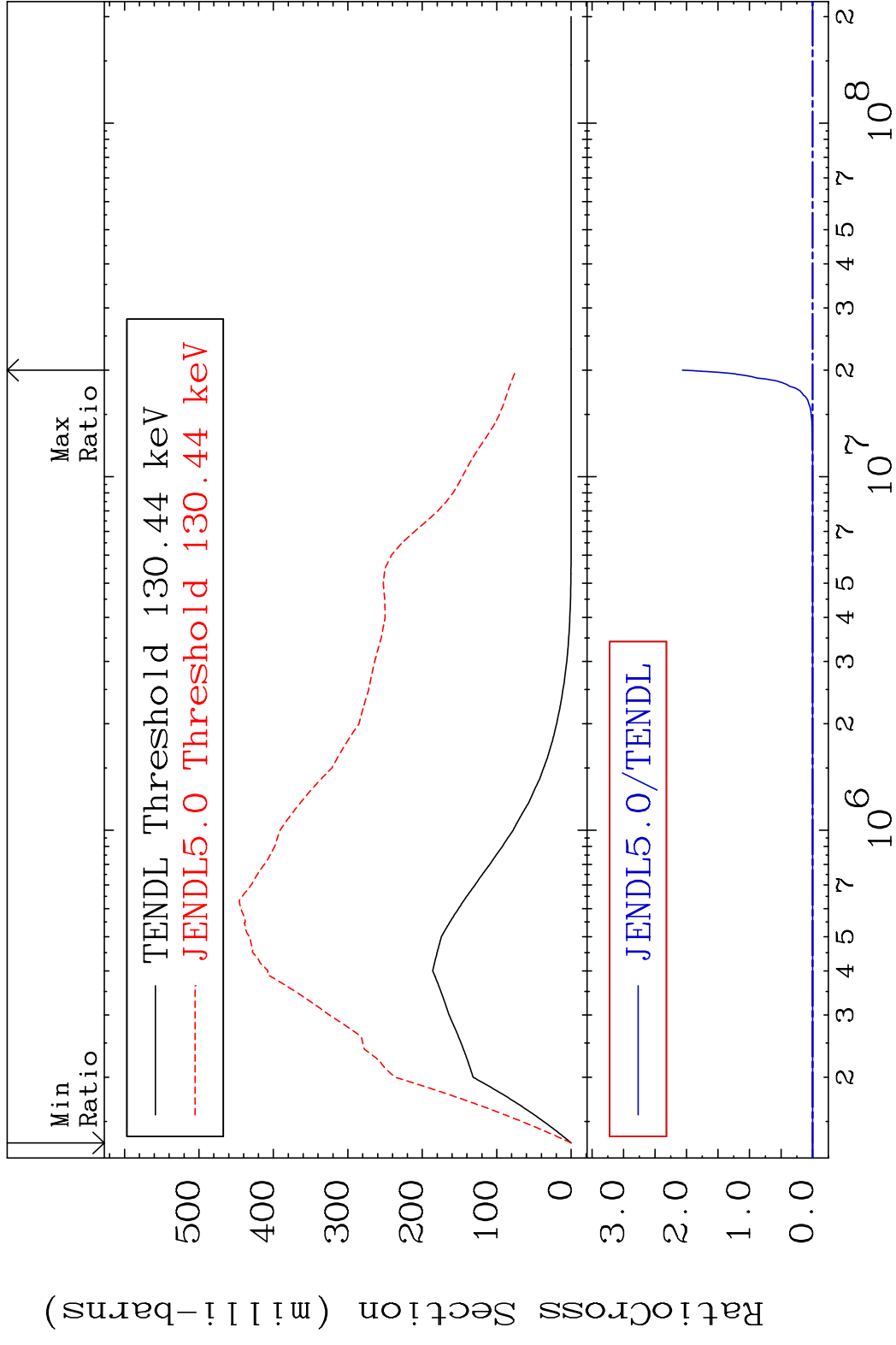


MAT 7840 MT= 51 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 9999. %

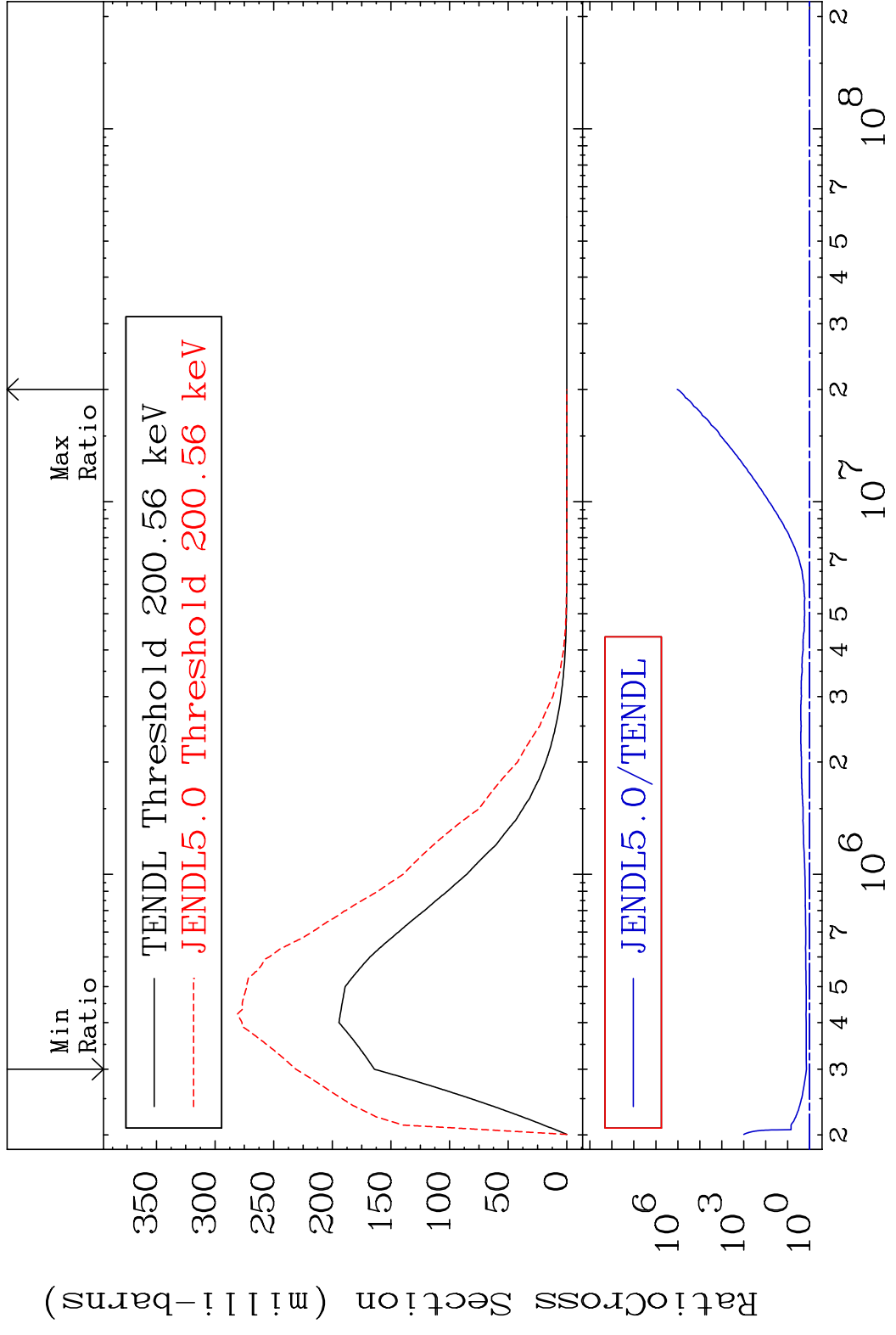


10 10⁵ 10⁶ 10⁷ 10⁸ 2 78-Pt-195

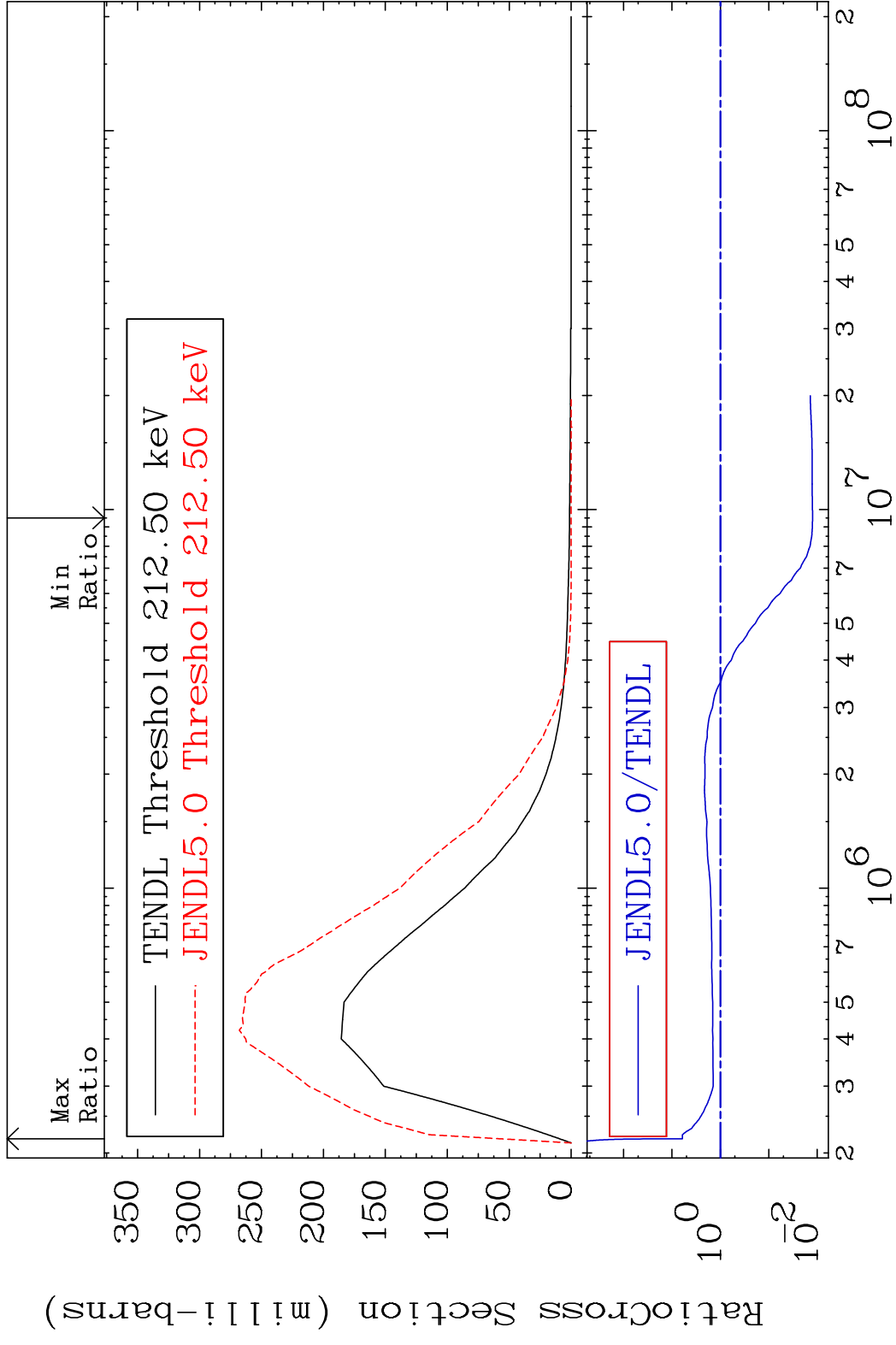
MAT 7840 MT= 52 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 9999. %



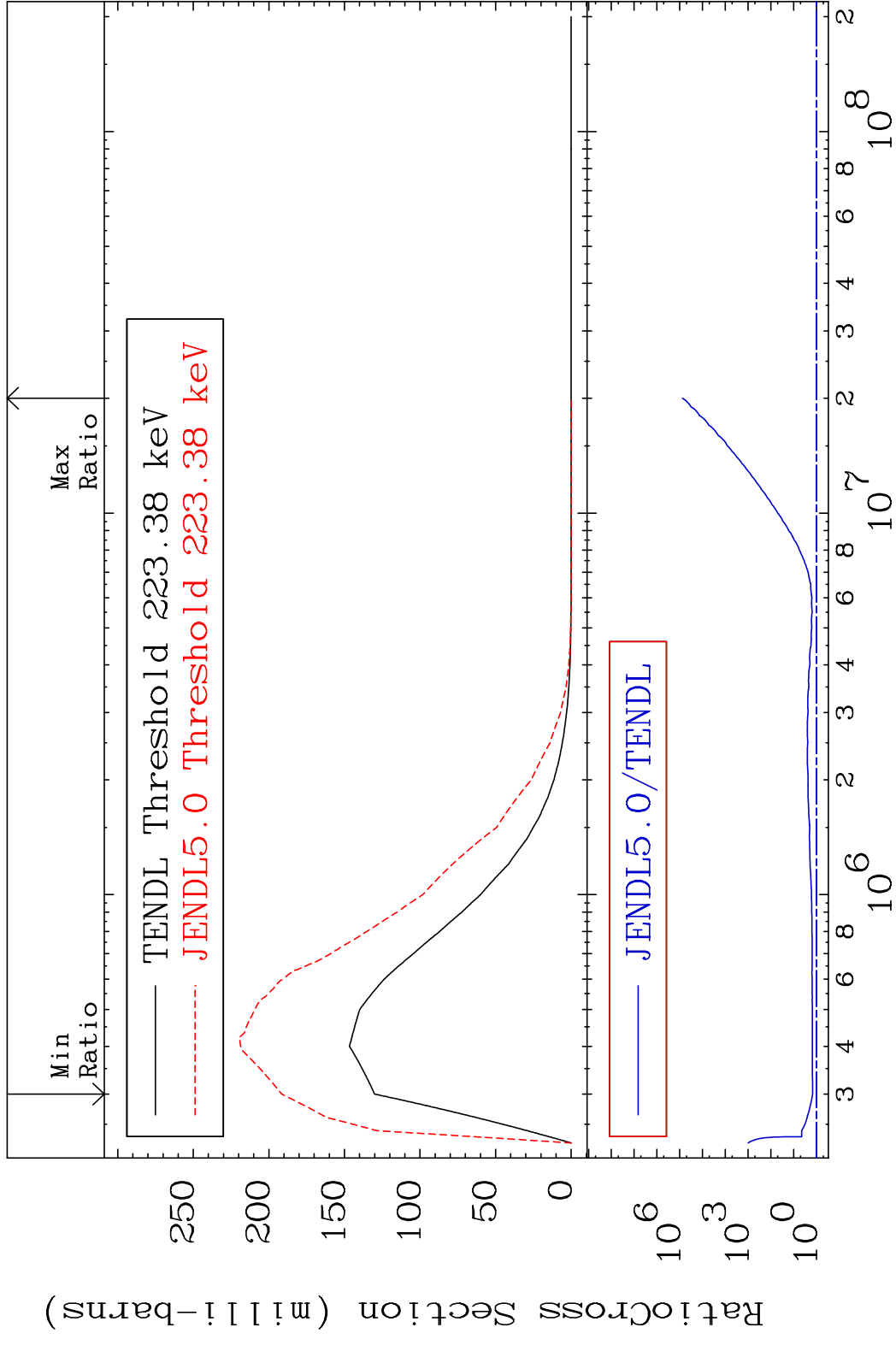
MAT 7840 MT= 53 (n,n') Level 78-Pt-195
 Cross Section 40.73 To 9999. %



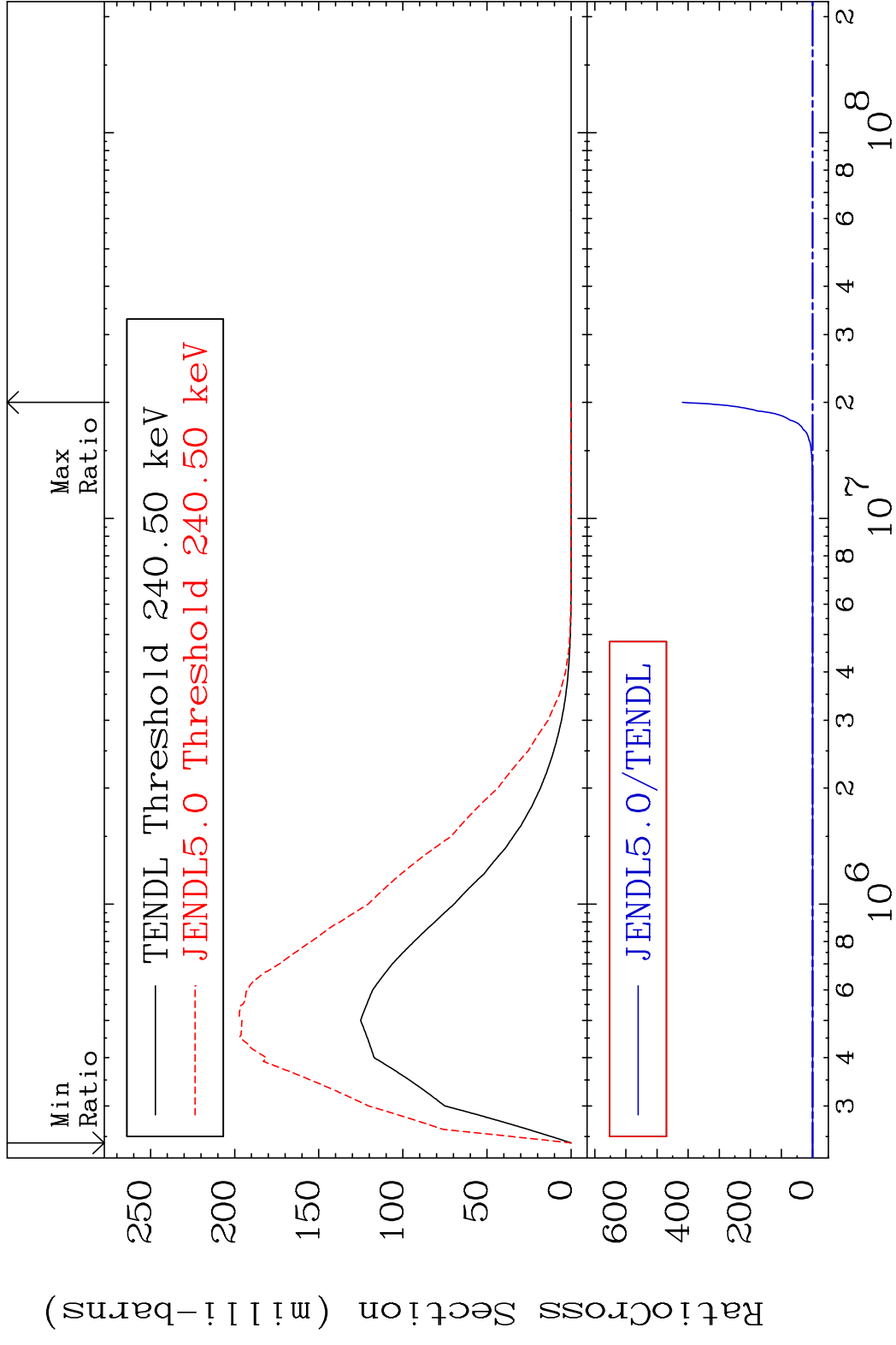
MAT 7840 MT= 54 (n, n') Level 78-Pt-195
 Cross Section -98.75 To 509.8 %



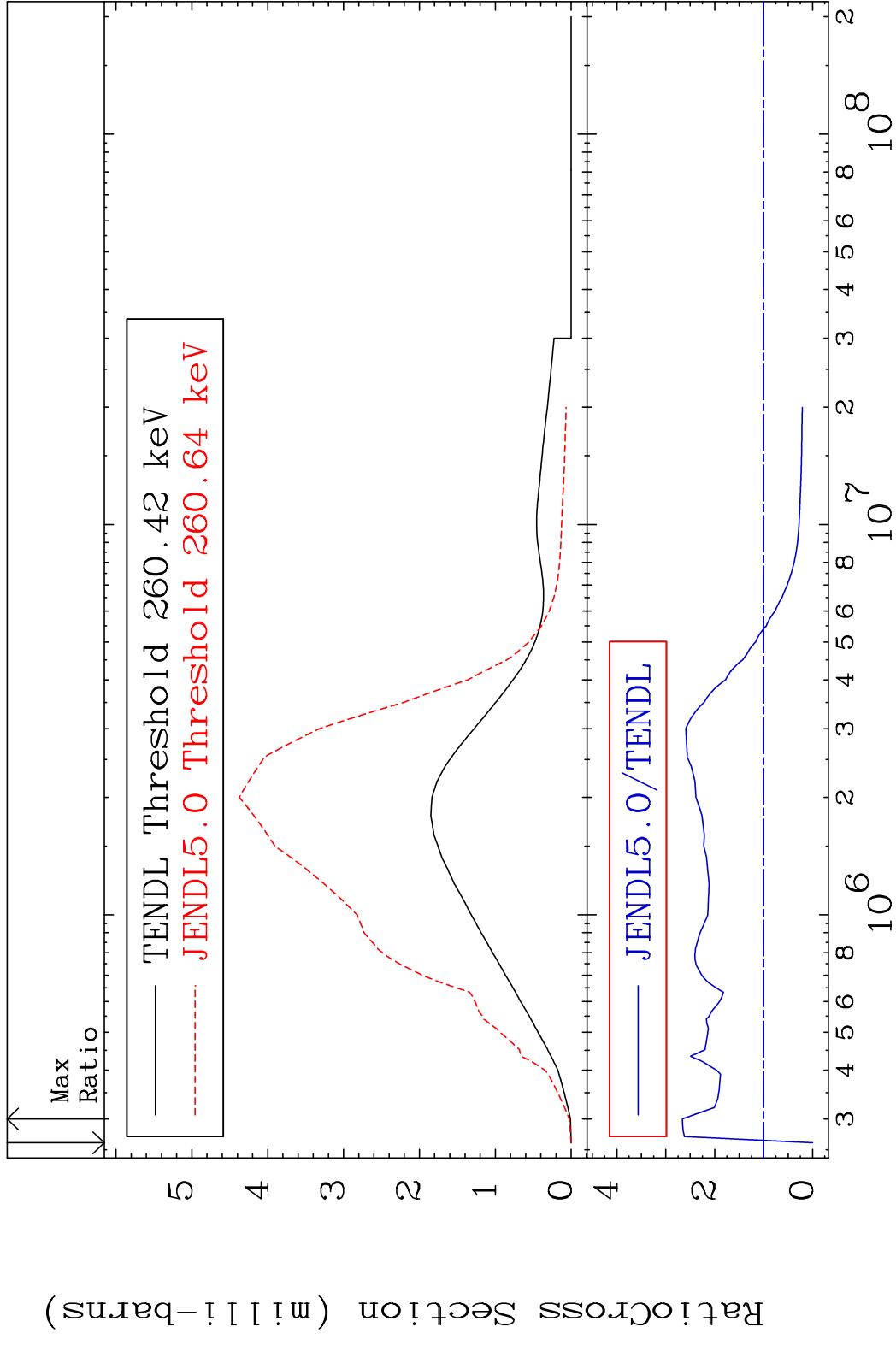
MAT 7840 MT= 55 (n,n') Level 78-Pt-195
 Cross Section 47.26 To 9999. %



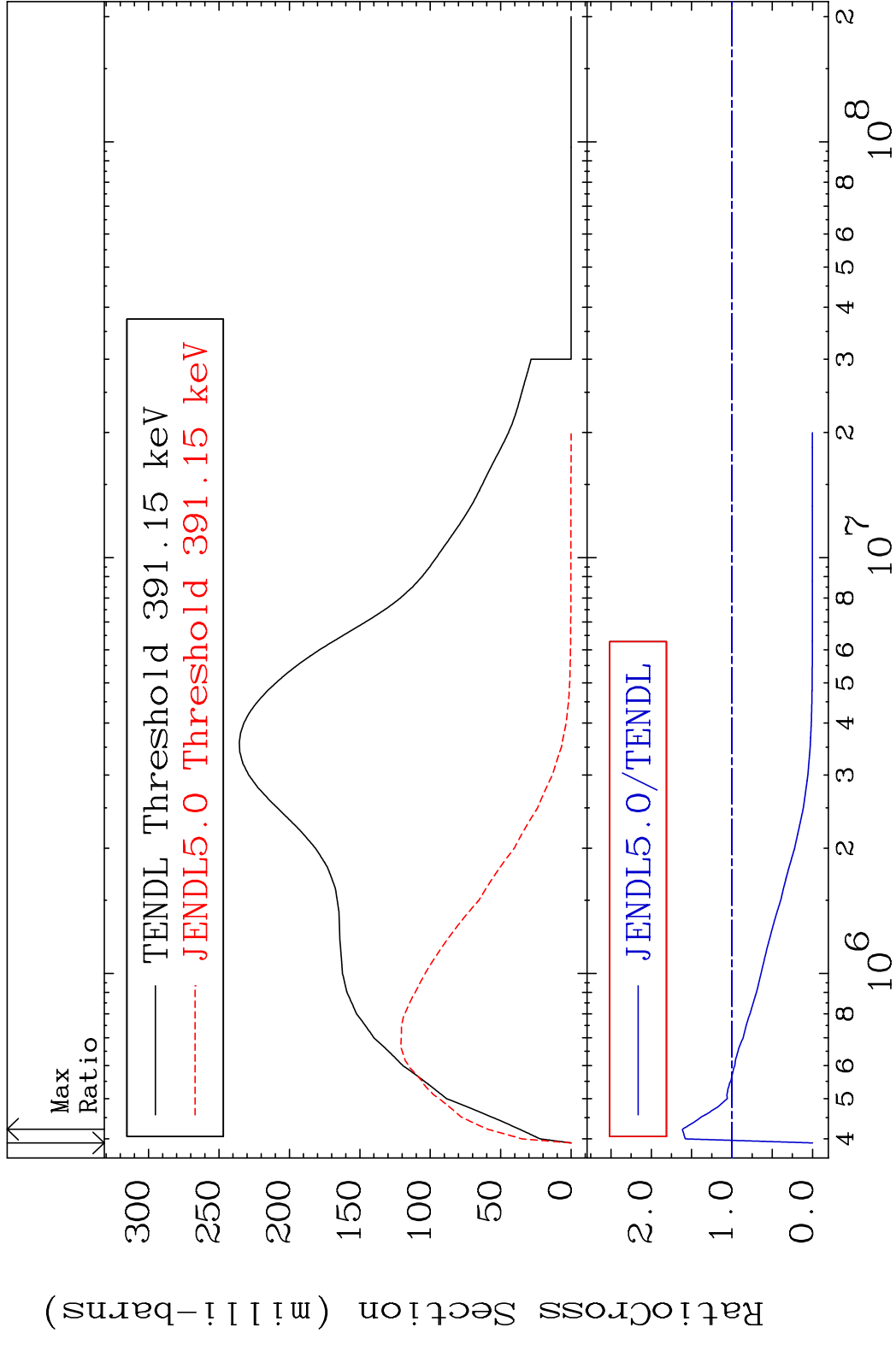
MAT 7840 MT= 56 (n,n') Level 78-Pt-195
 Cross Section -100.0 To 9999. %



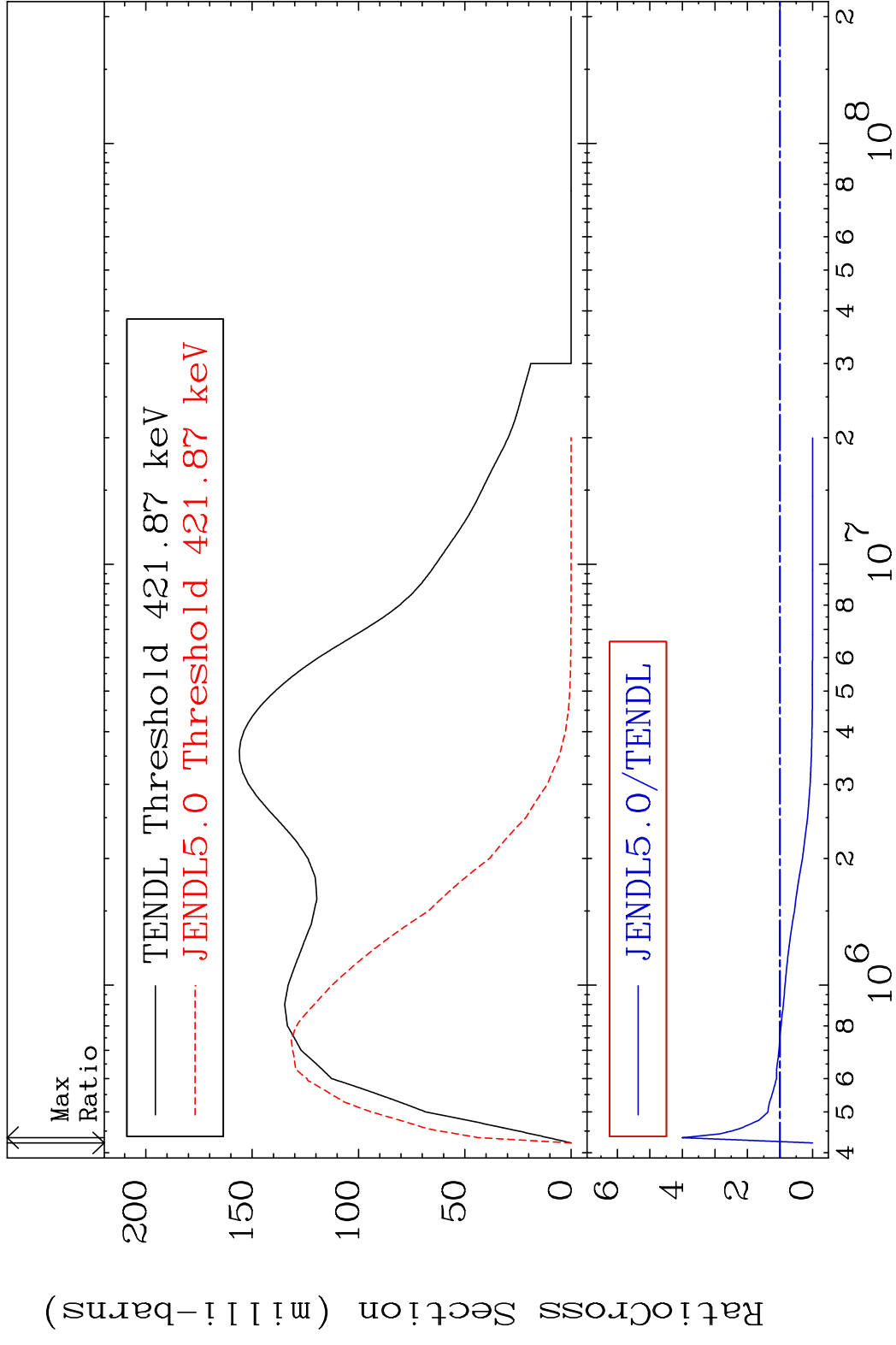
MAT 7840 MT= 57 (n,n') Level 78-Pt-195
 Cross Section -100.0 To 166.1 %



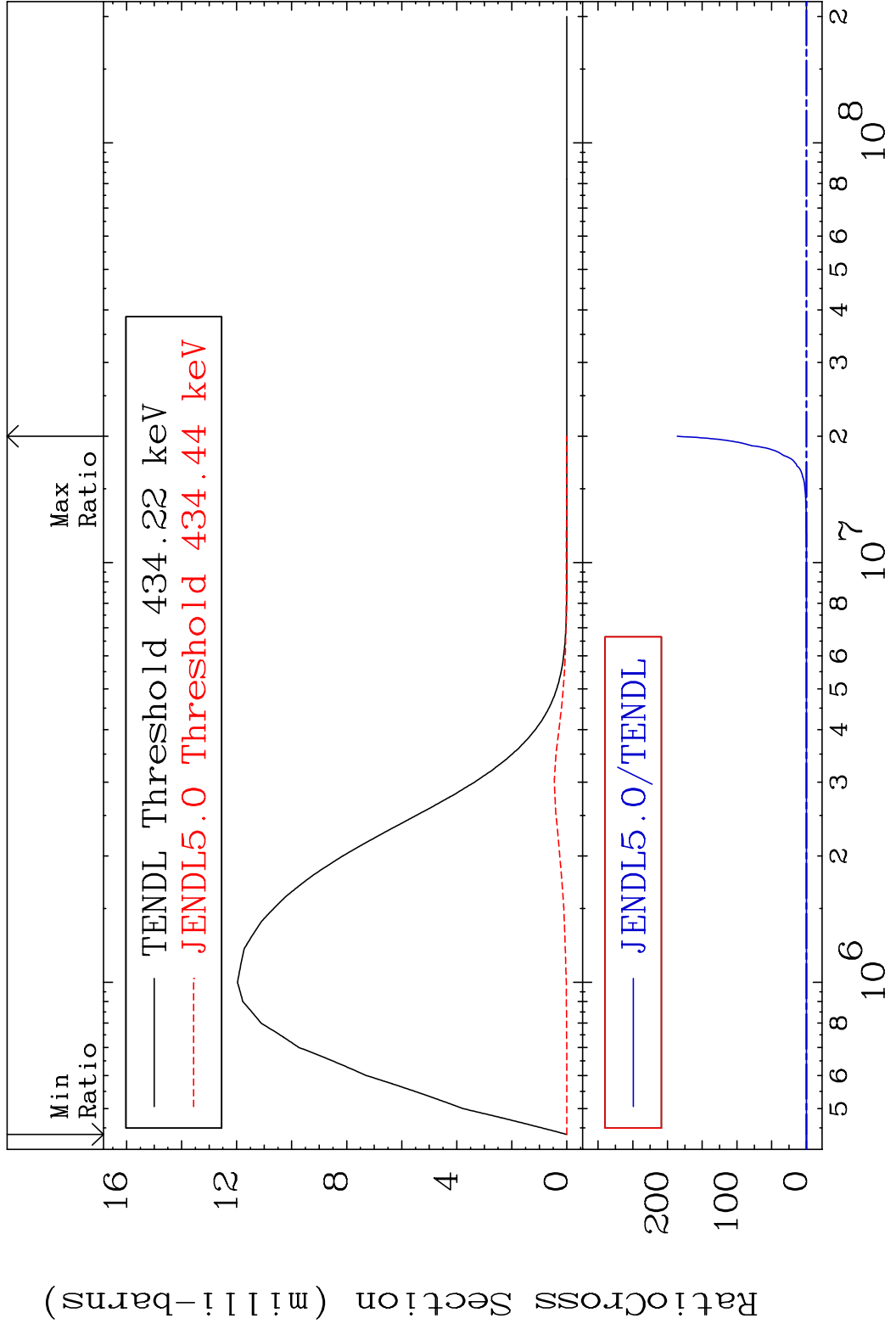
MAT 7840 MT= 58 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 61.45 %



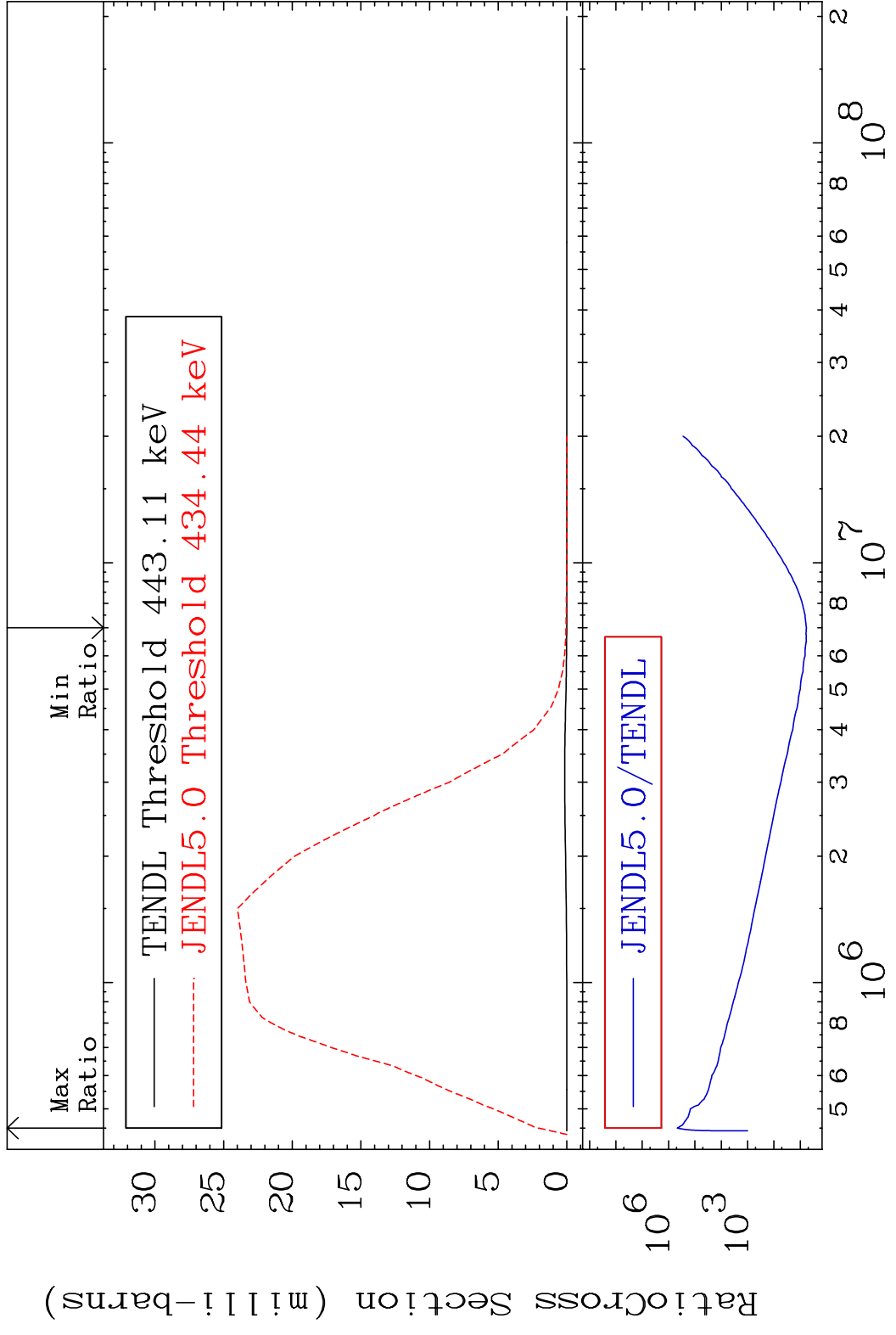
MAT 7840 MT= 59 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 300.1 %



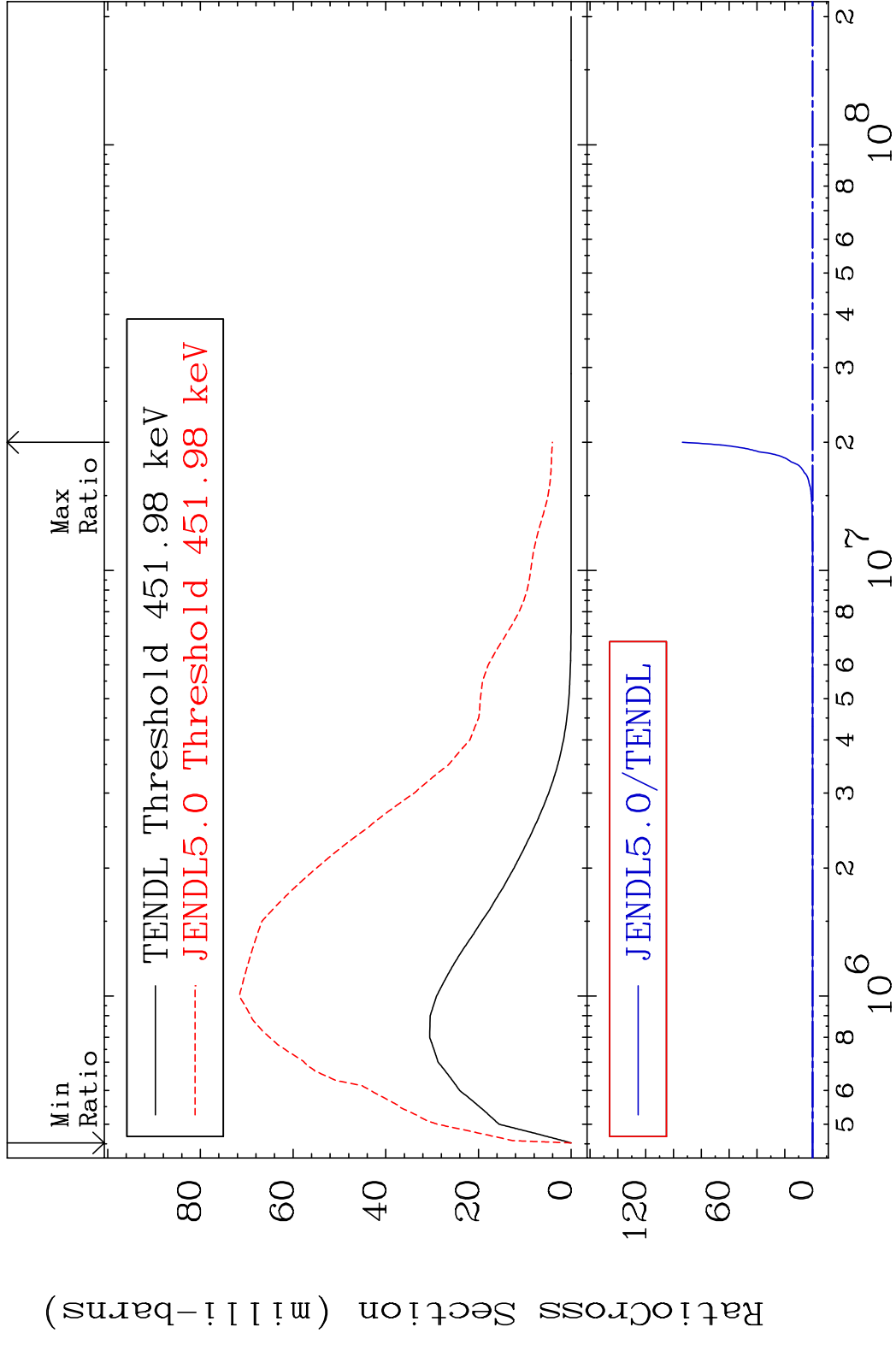
MAT 7840 MT= 60 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 9999. %



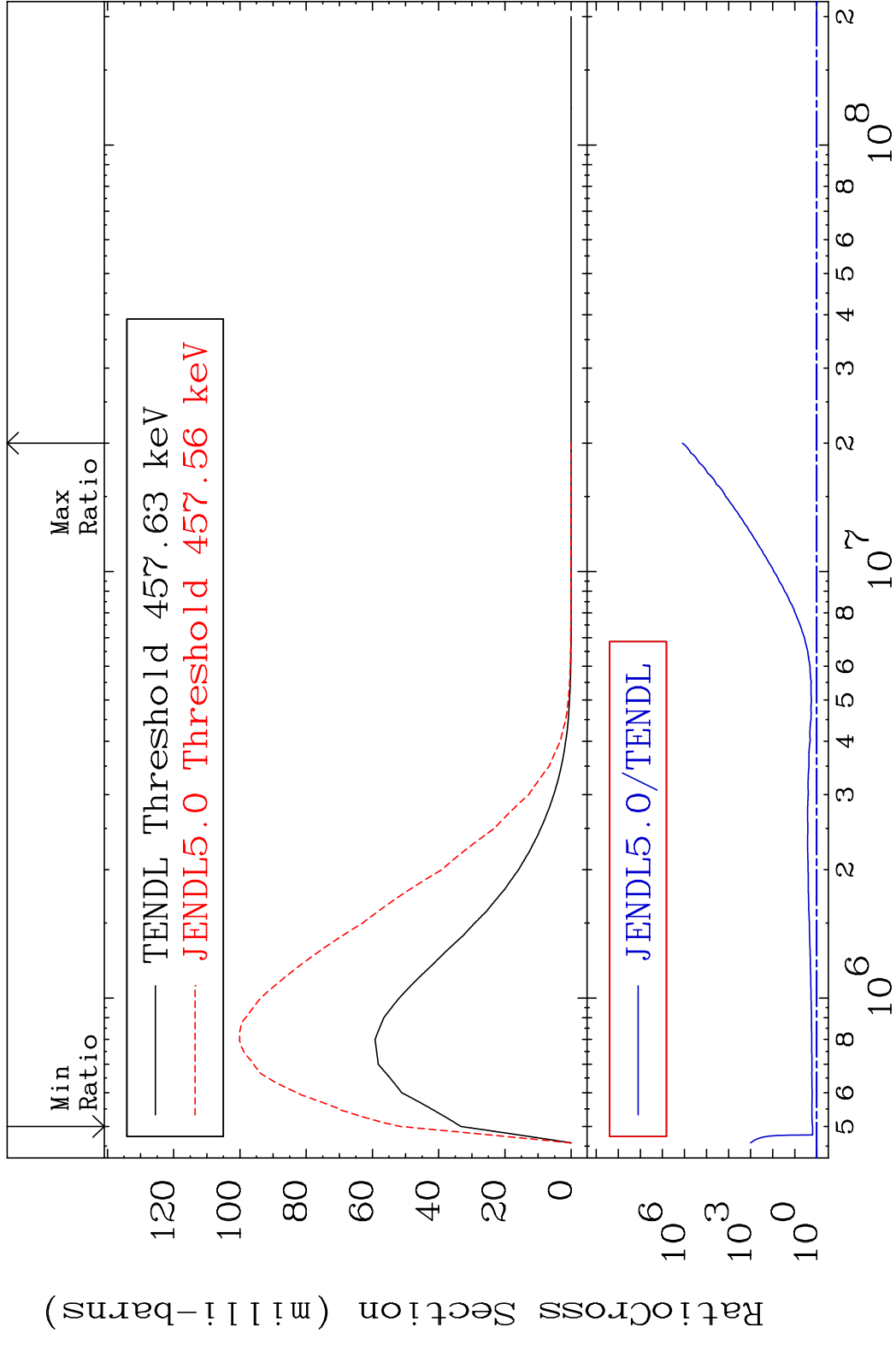
MAT 7840 MT= 61 (n, n') Level 78-Pt-195
 Cross Section 486.2 To 9999. %



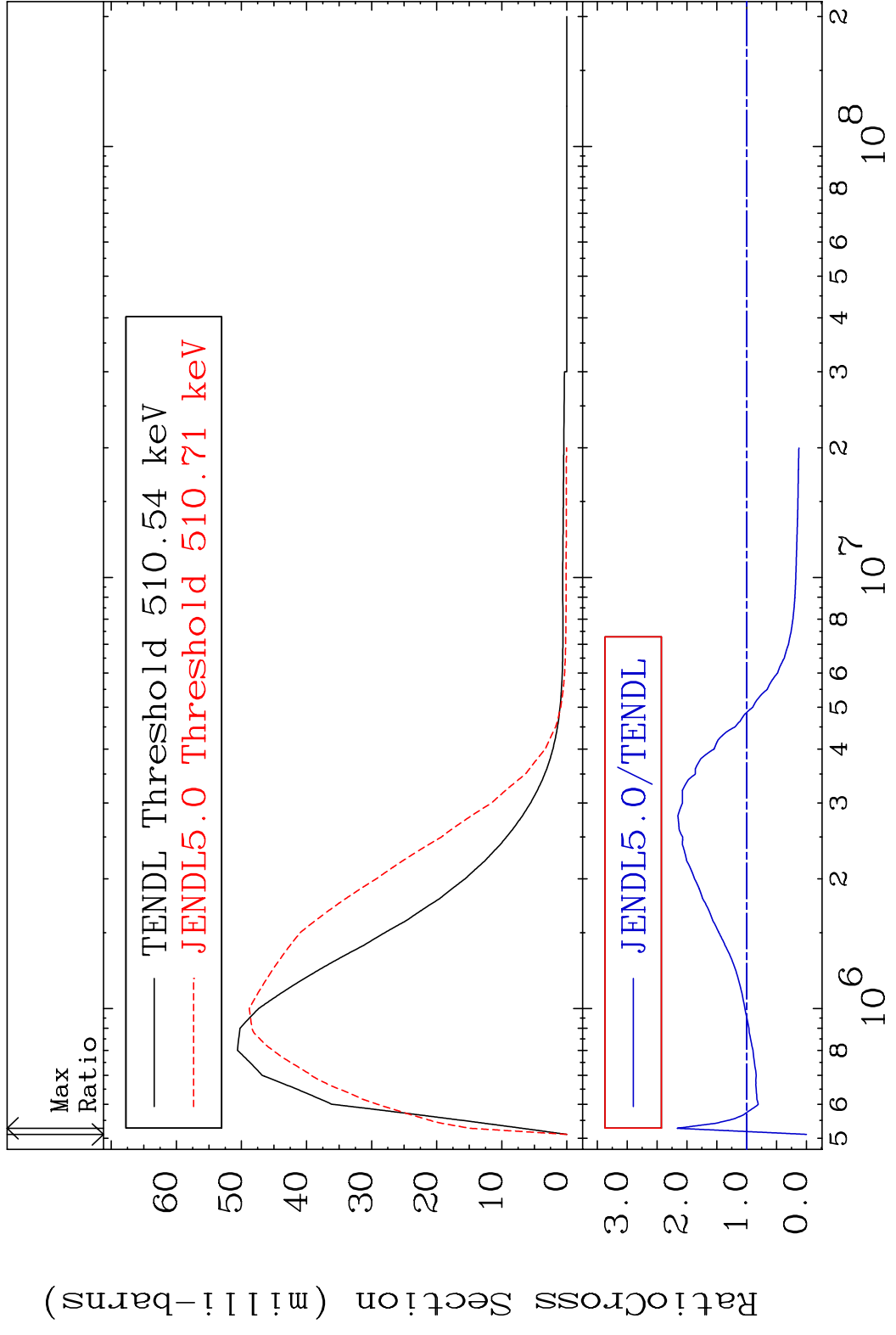
MAT 7840 MT= 62 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 9999. %



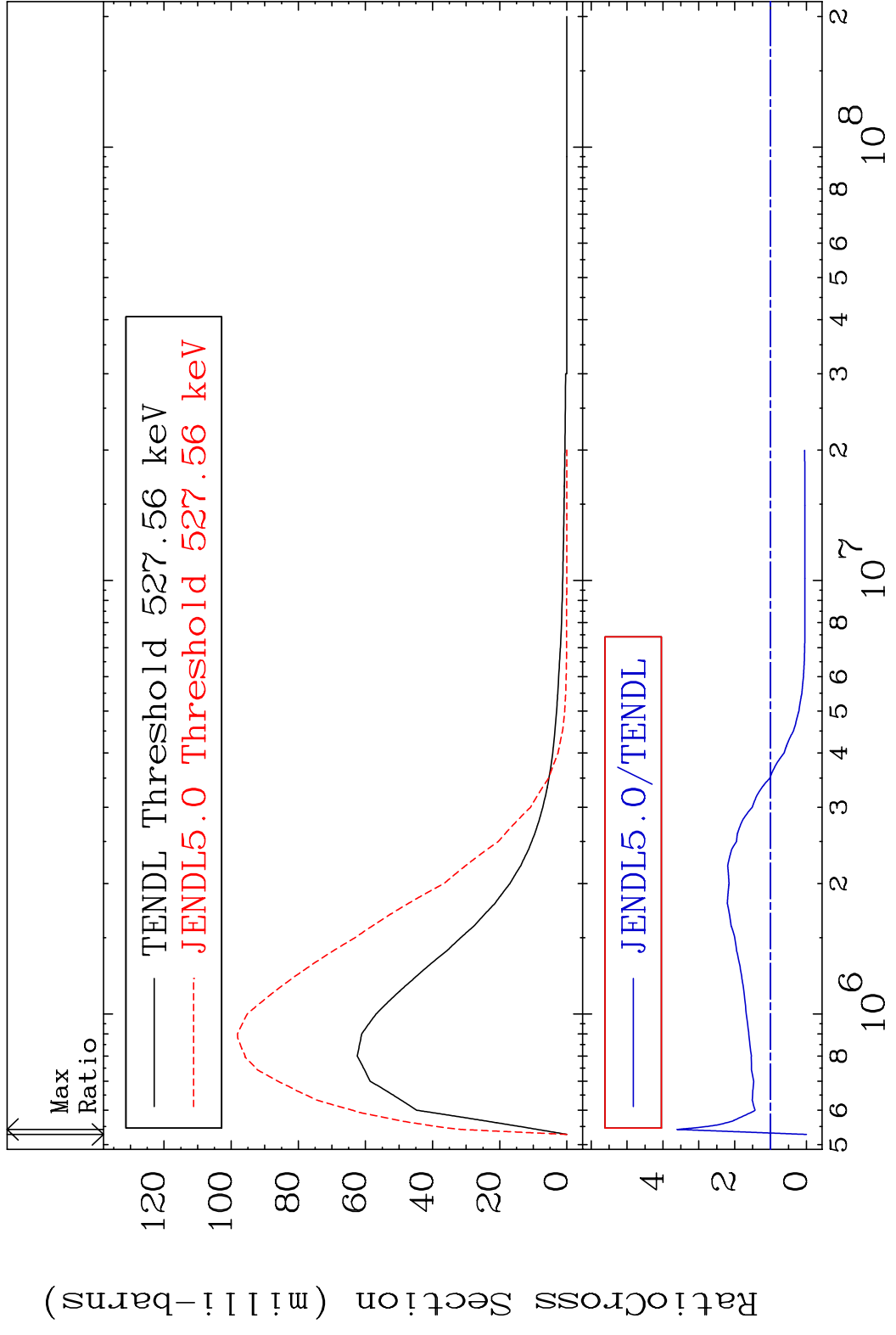
MAT 7840 MT= 63 (n, n') Level 78-Pt-195
 Cross Section 55.11 To 9999. %



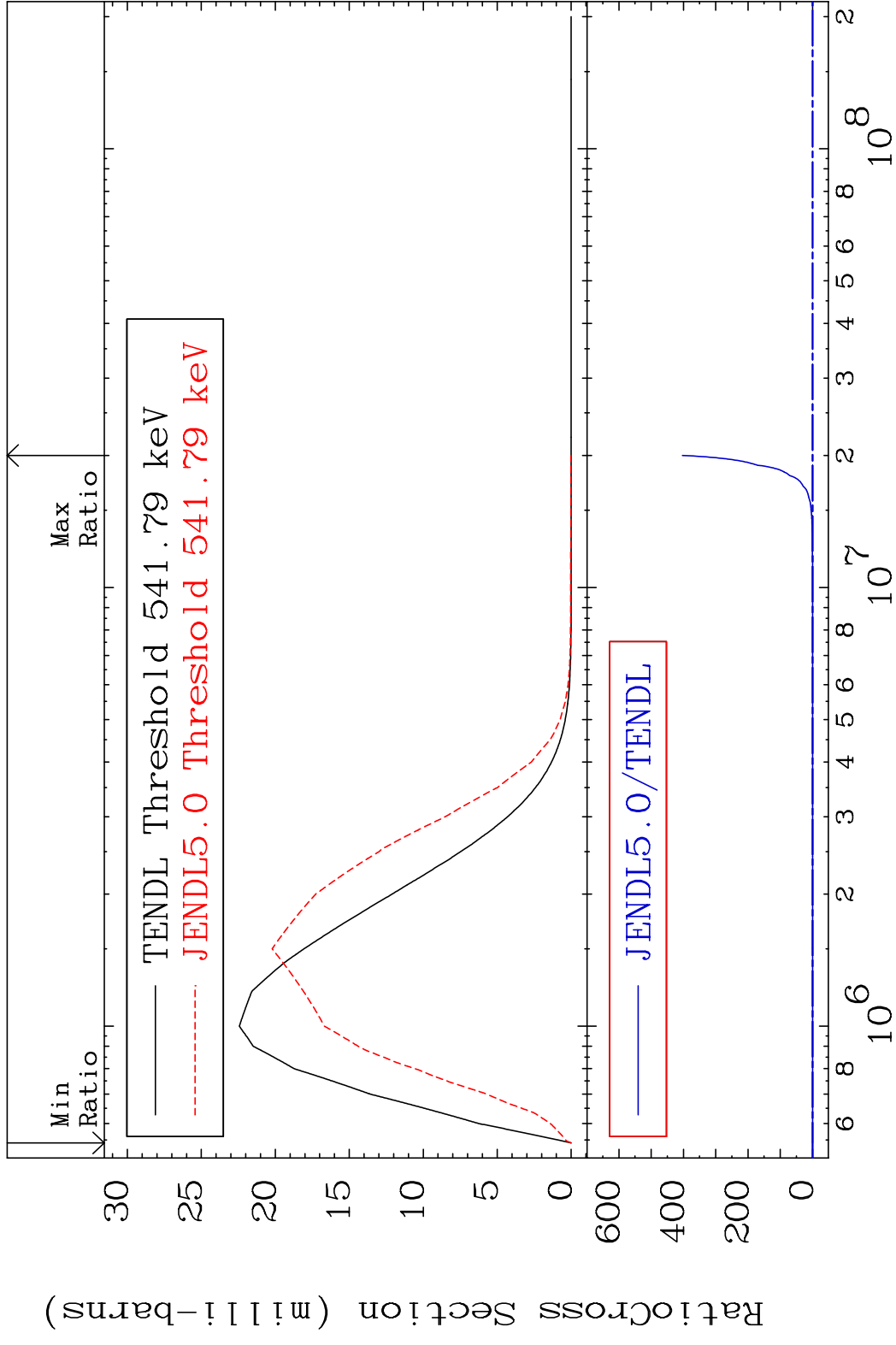
MAT 7840 MT= 64 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 116.4 %



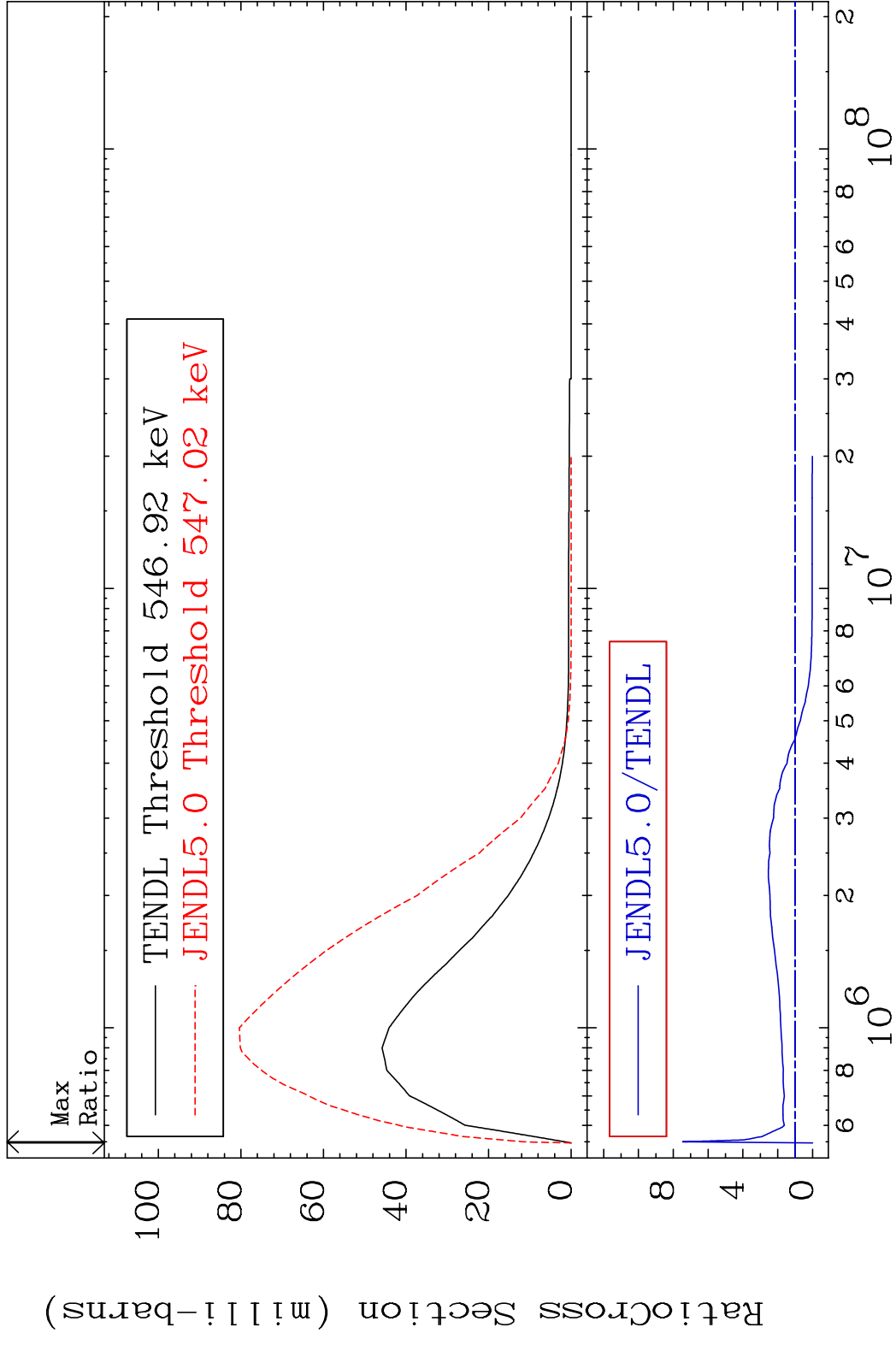
MAT 7840 MT= 65 (n,n') Level 78-Pt-195
 Cross Section -100.0 To 260.2 %



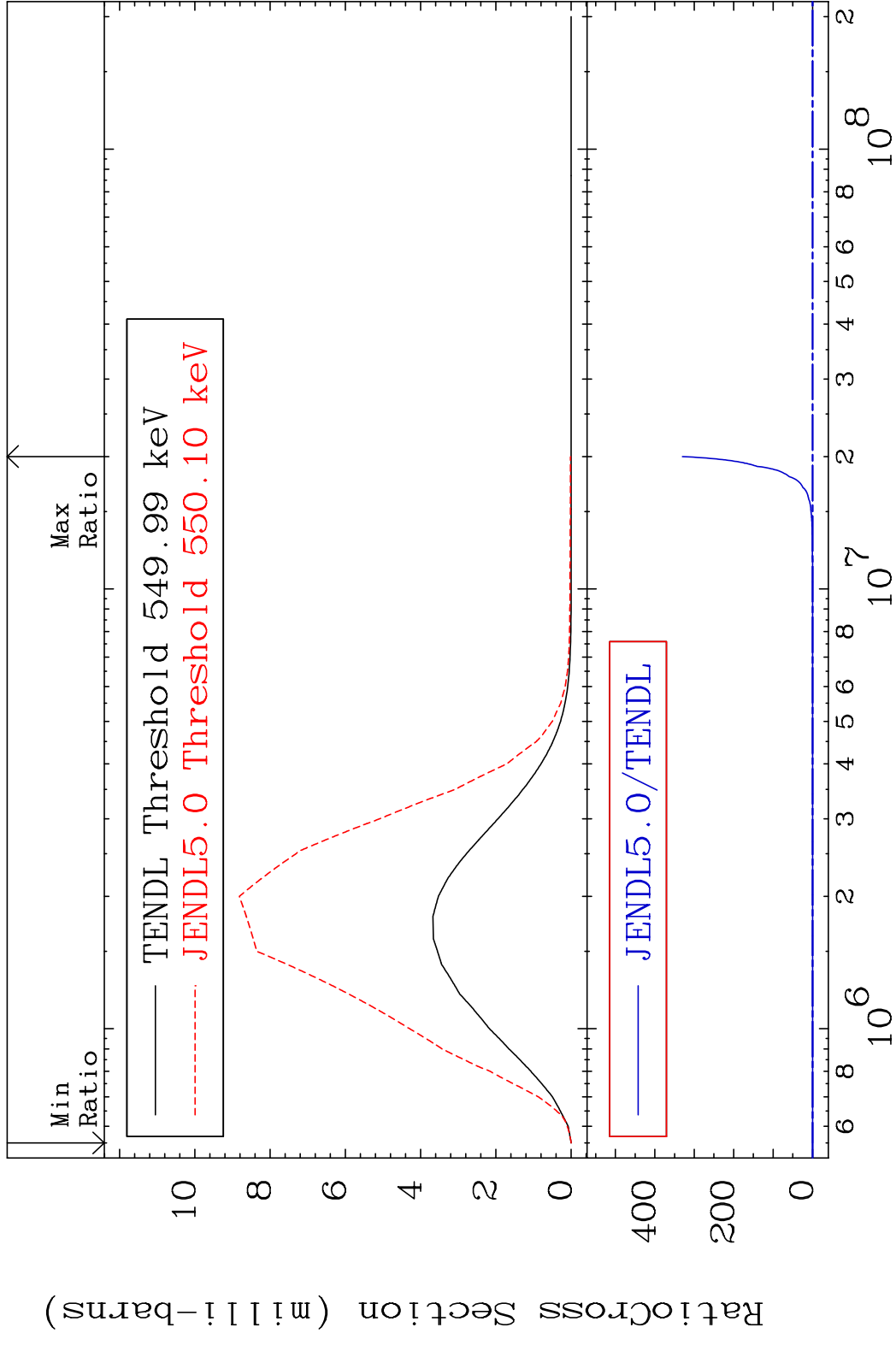
MAT 7840 MT= 66 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 9999. %



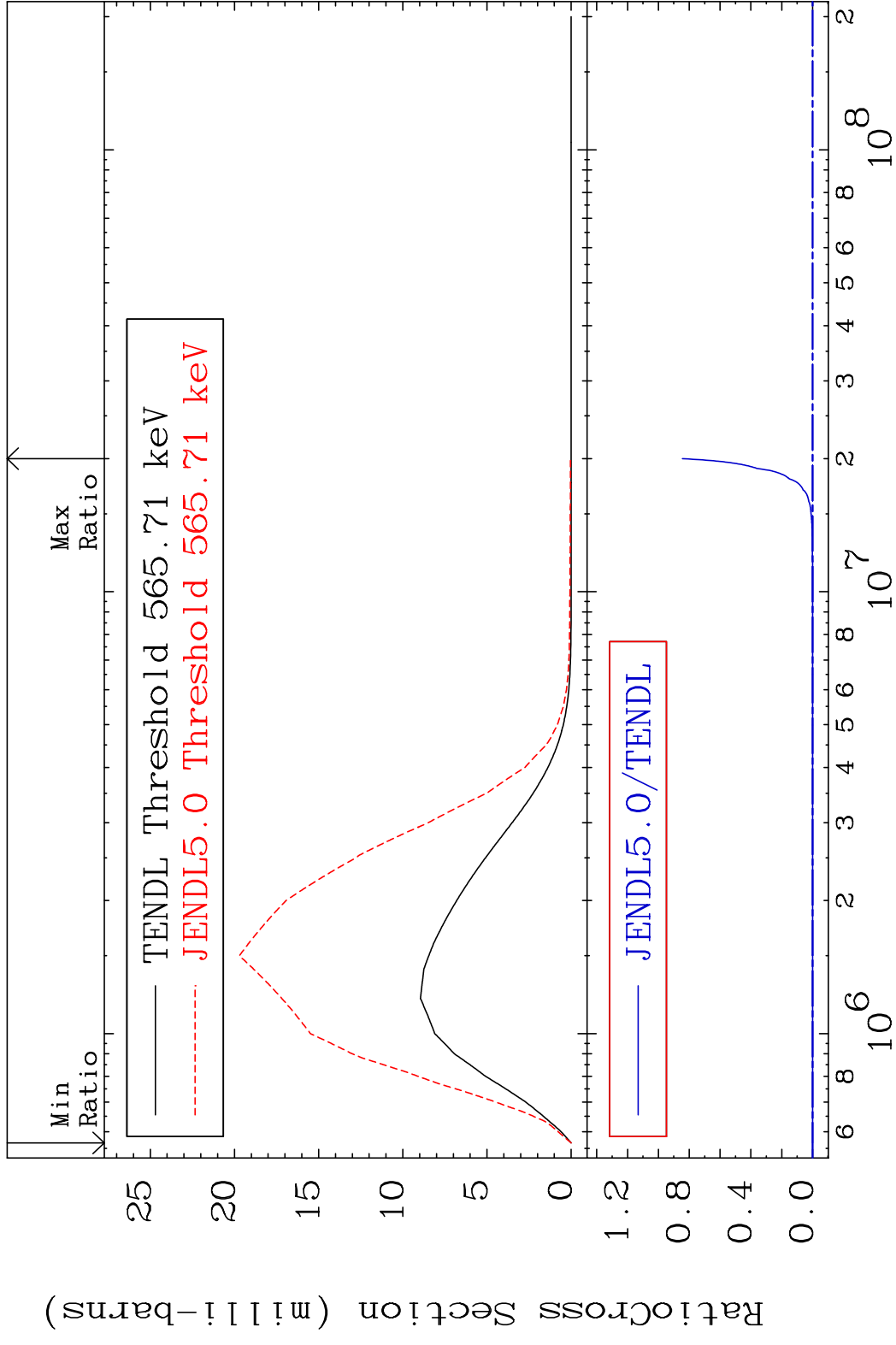
MAT 7840 MT= 67 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 648.0 %



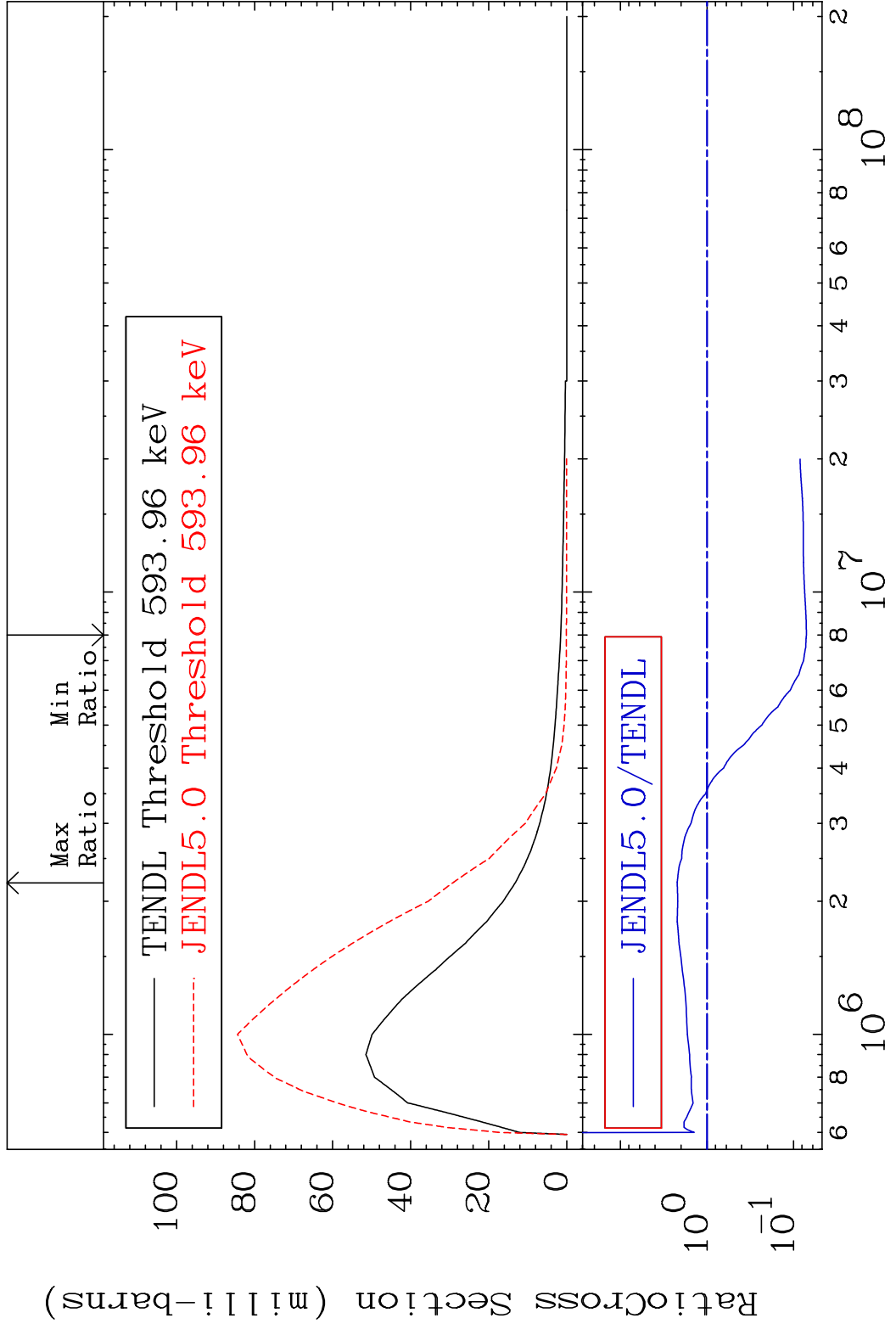
MAT 7840 MT= 68 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 9999. %



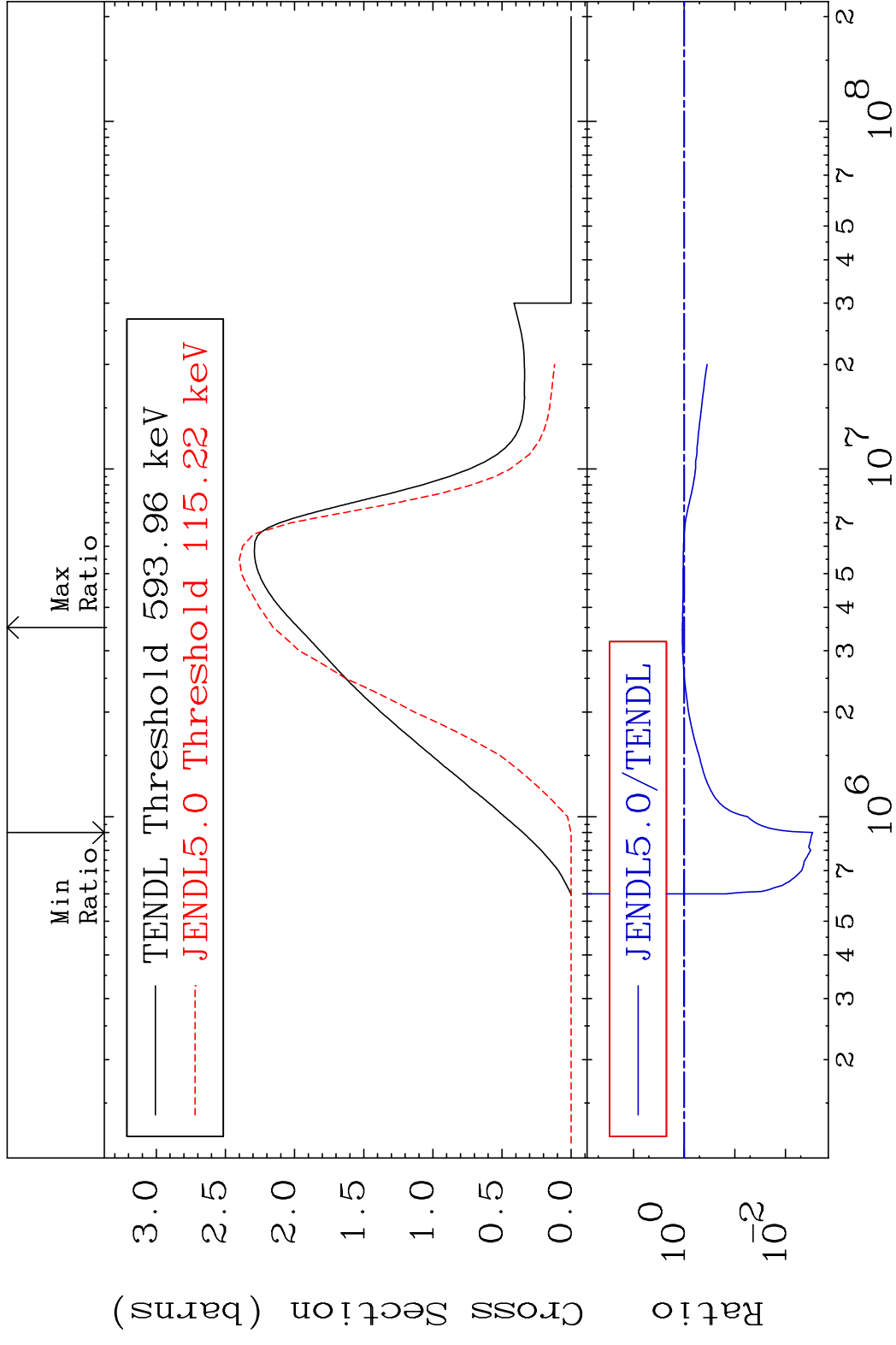
MAT 7840 MT= 69 (n, n') Level 78-Pt-195
 Cross Section -100.0 To 9999. %



MAT 7840 MT= 70 (n, n') Level 78-Pt-195
 Cross Section -92.88 To 121.4 %



MAT 7840 (n,n') Continuum 78-Pt-195
 Cross Section -99.71 To 9.223 %

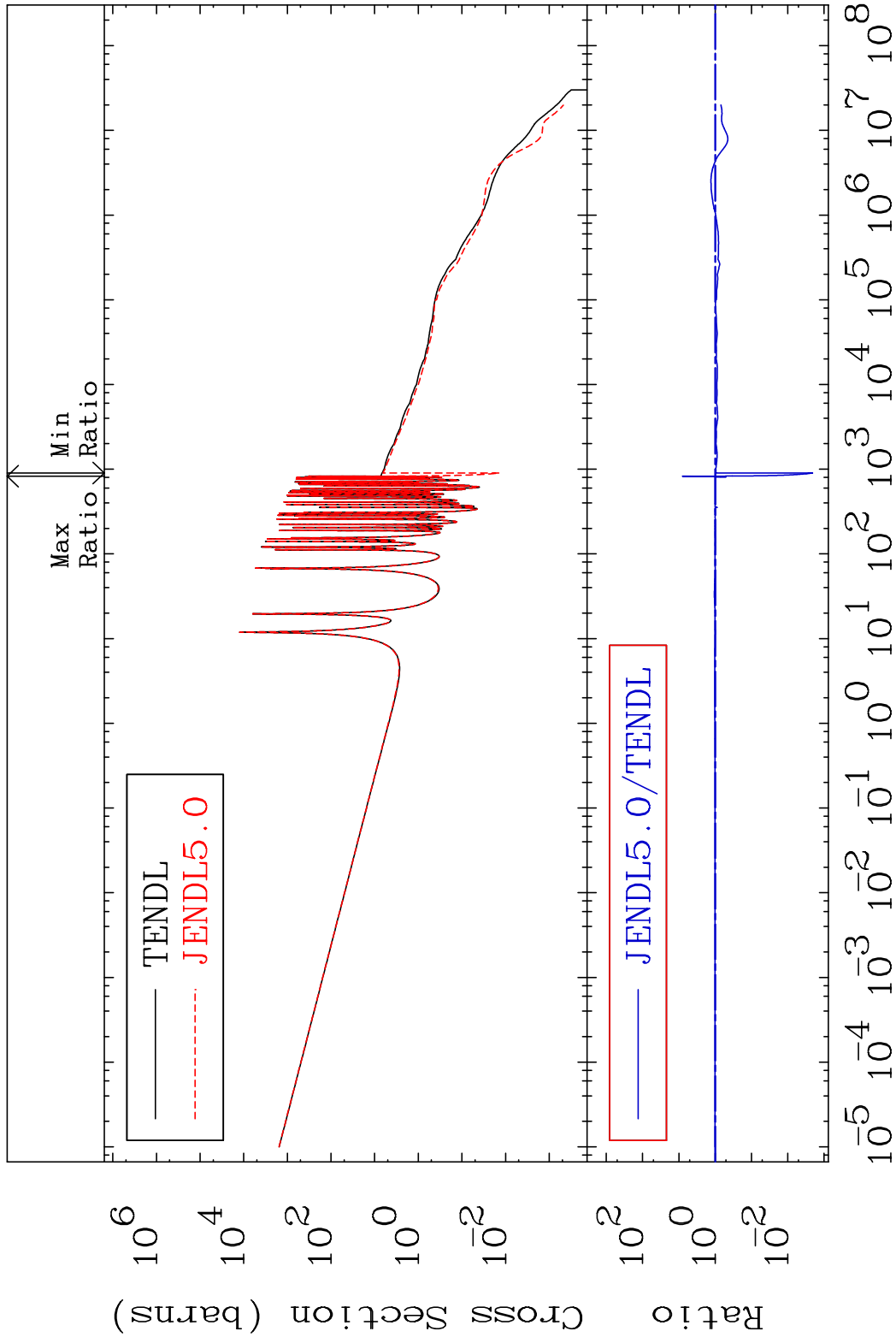


MAT 7840

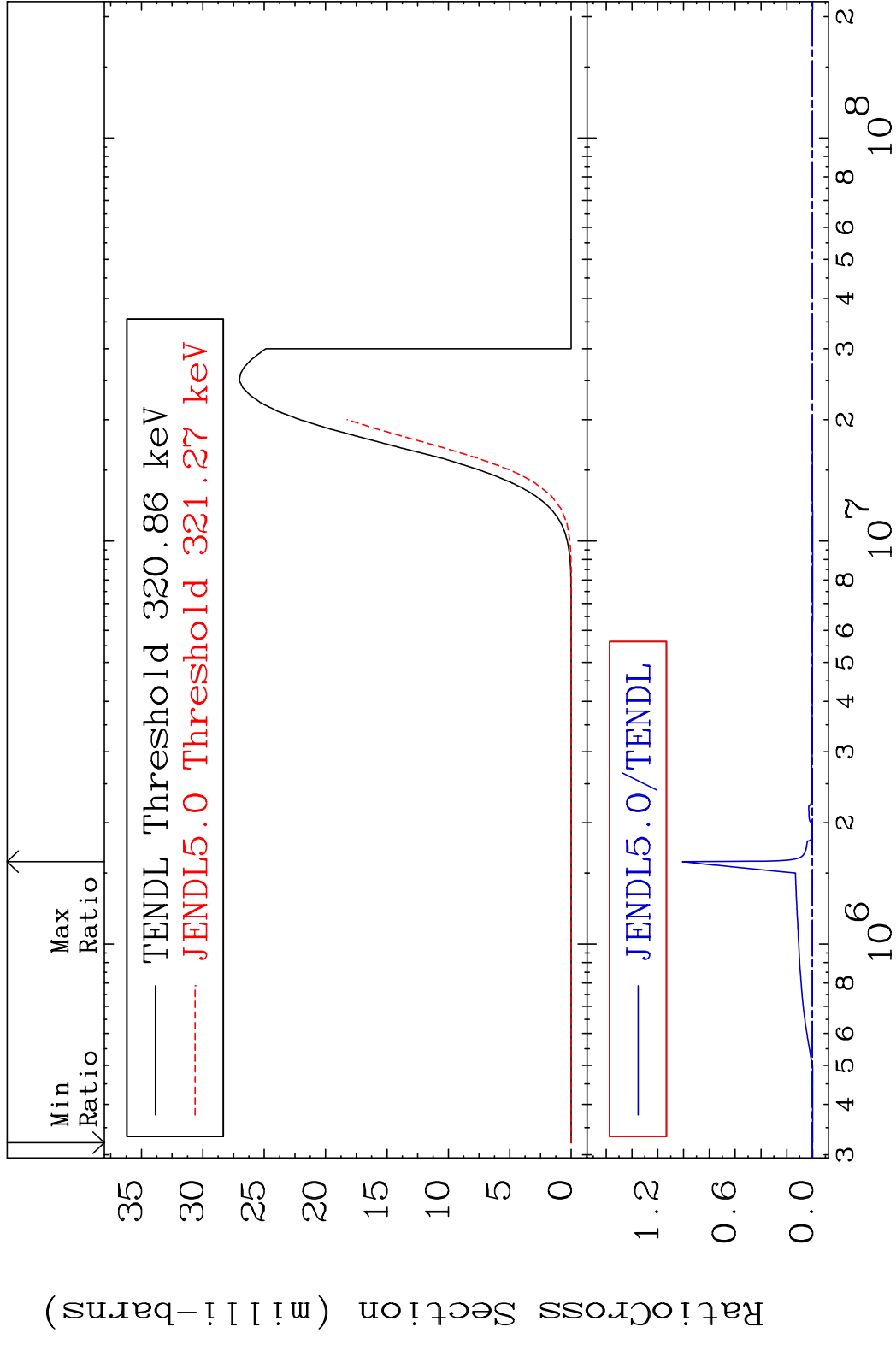
(n, γ)

78-Pt-195

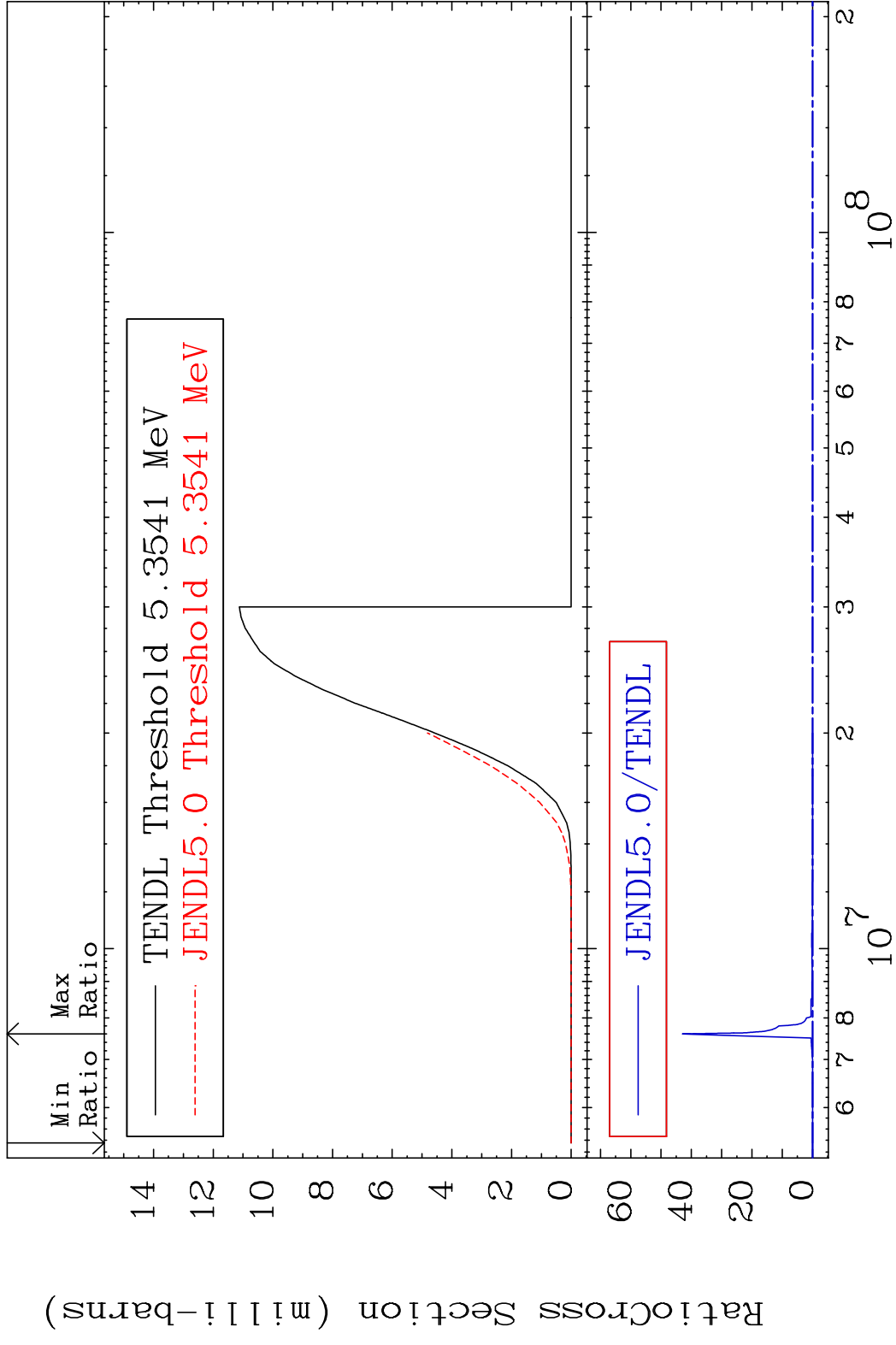
Cross Section -99.79 To 700.9 %



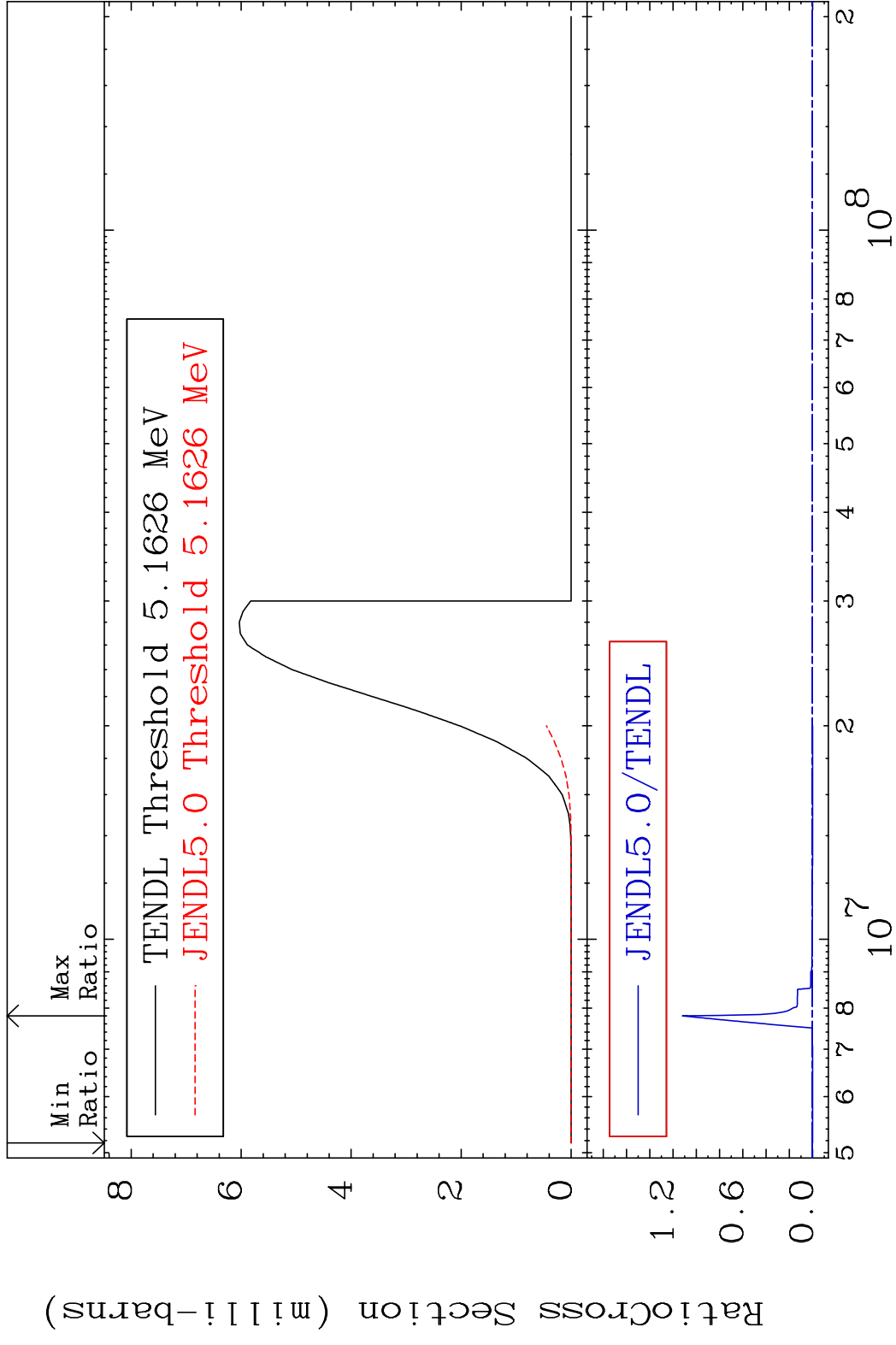
MAT 7840 (n,p) 78-Pt-195
 Cross Section -100.0 To 9999. %



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



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

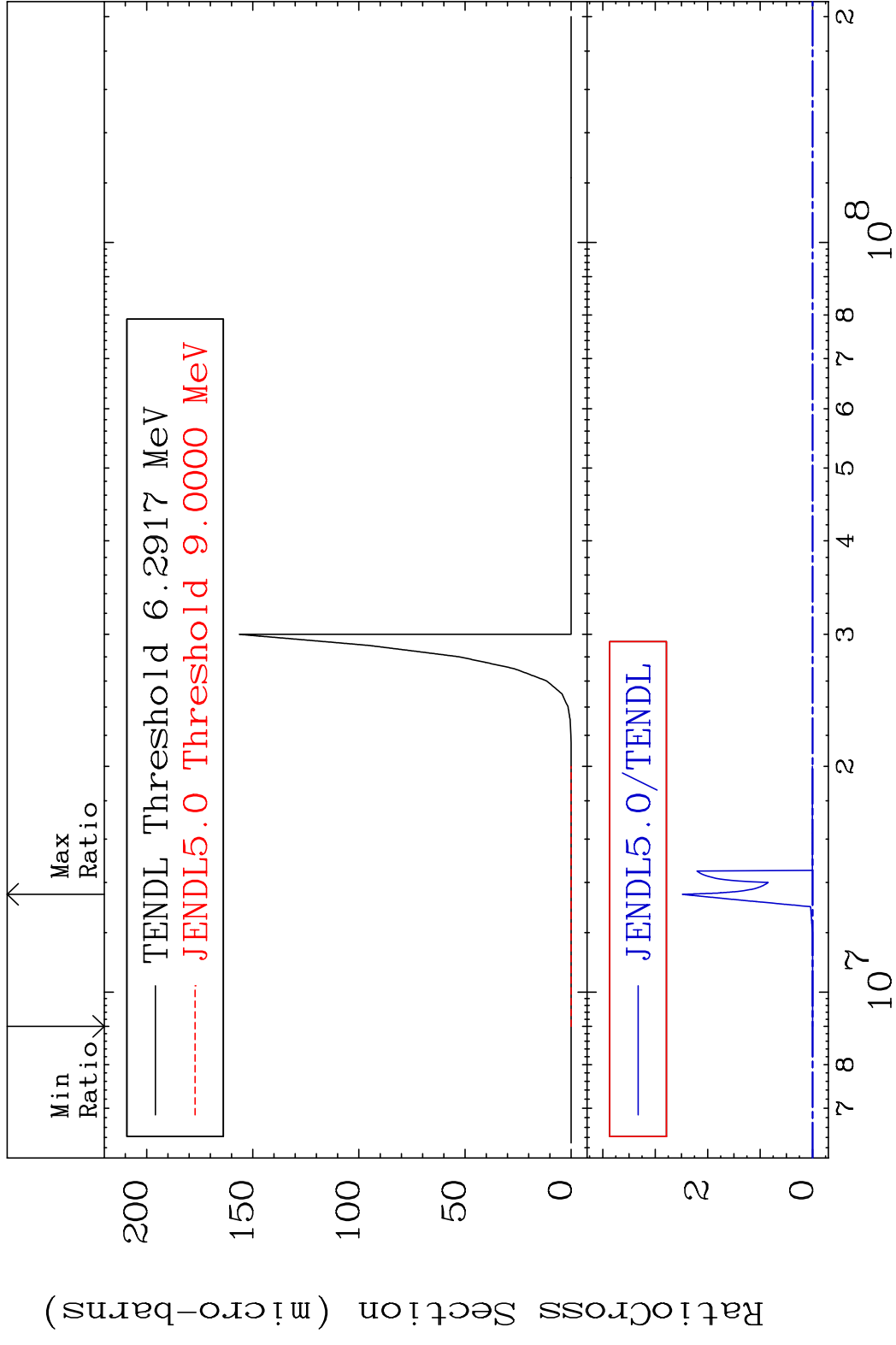


MAT 7840

(n, He-3)

78-Pt-195

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

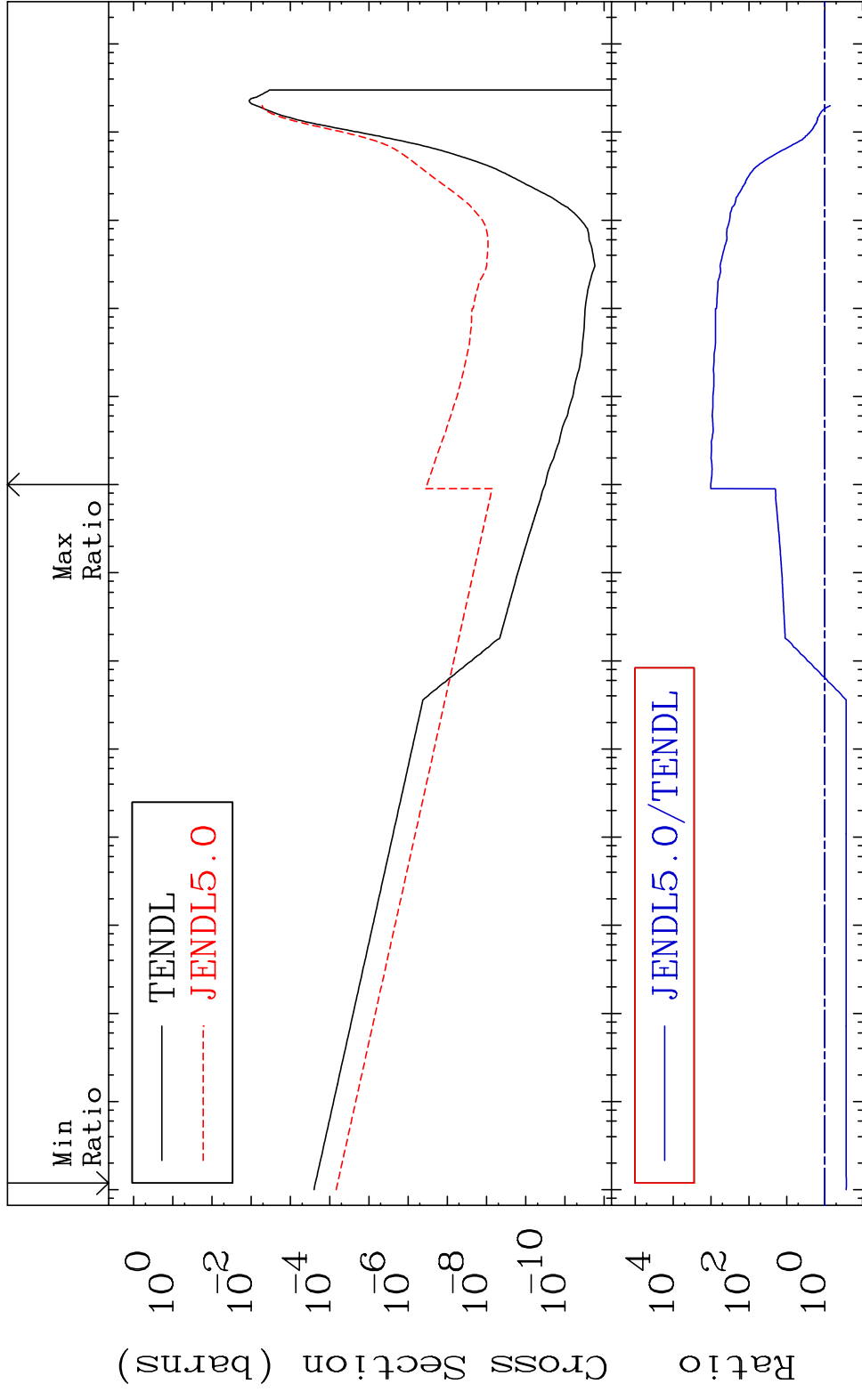
78-Pt-195

MAT 7840

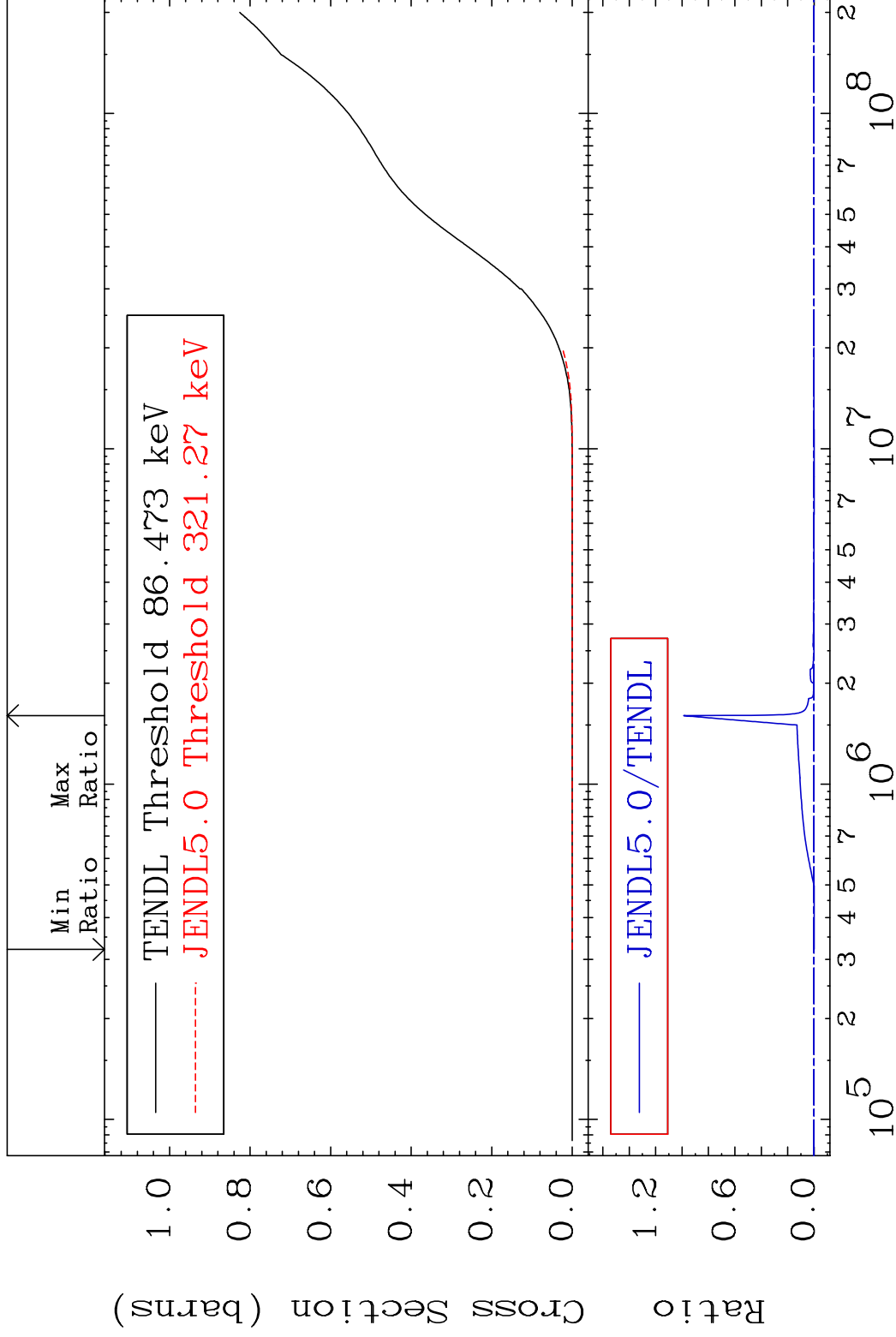
78-Pt-195

(n, α)

Cross Section -73.06 To 9999. %



Cross Section -100.0 To 9999. %

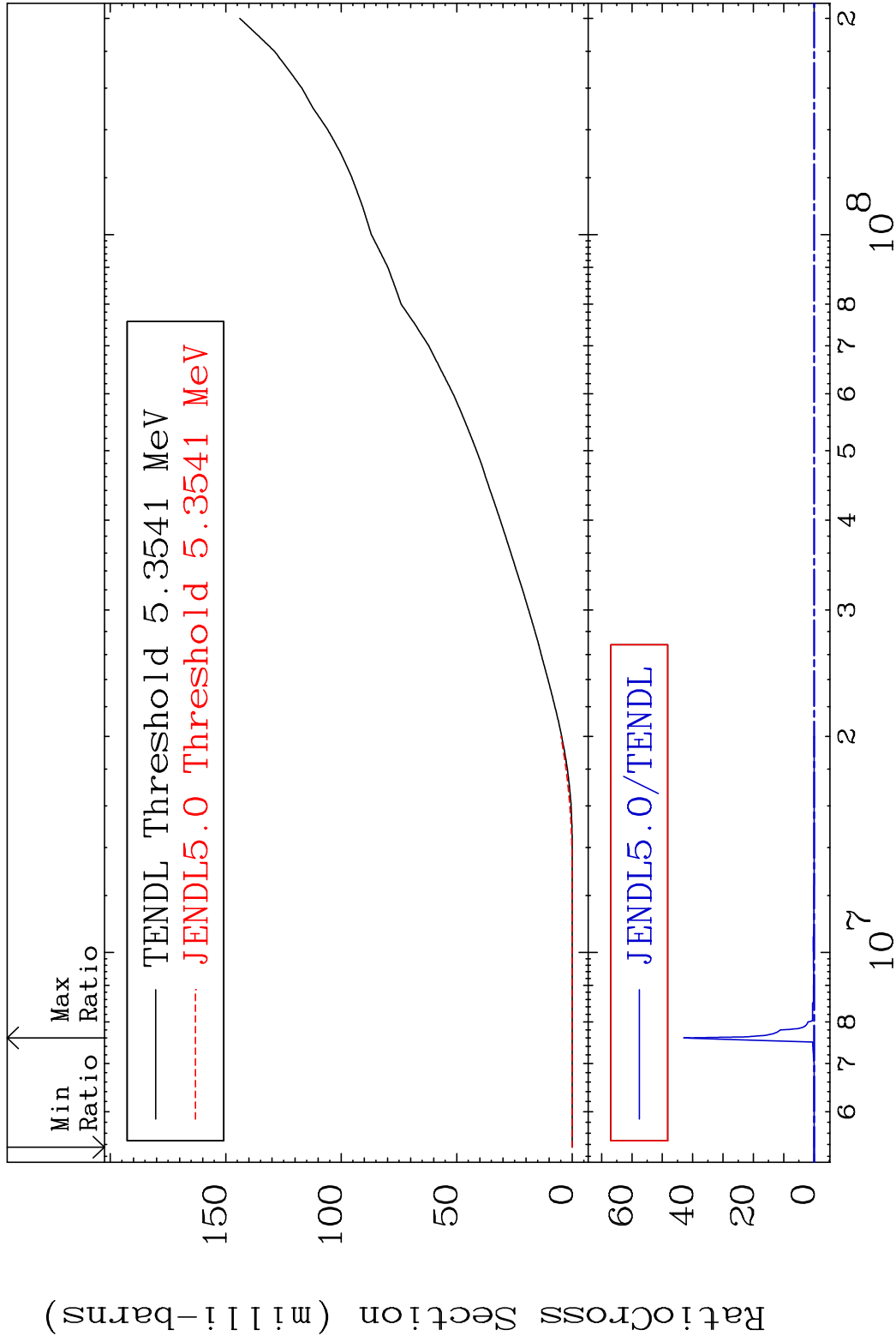


MAT 7840

Deuterium Production

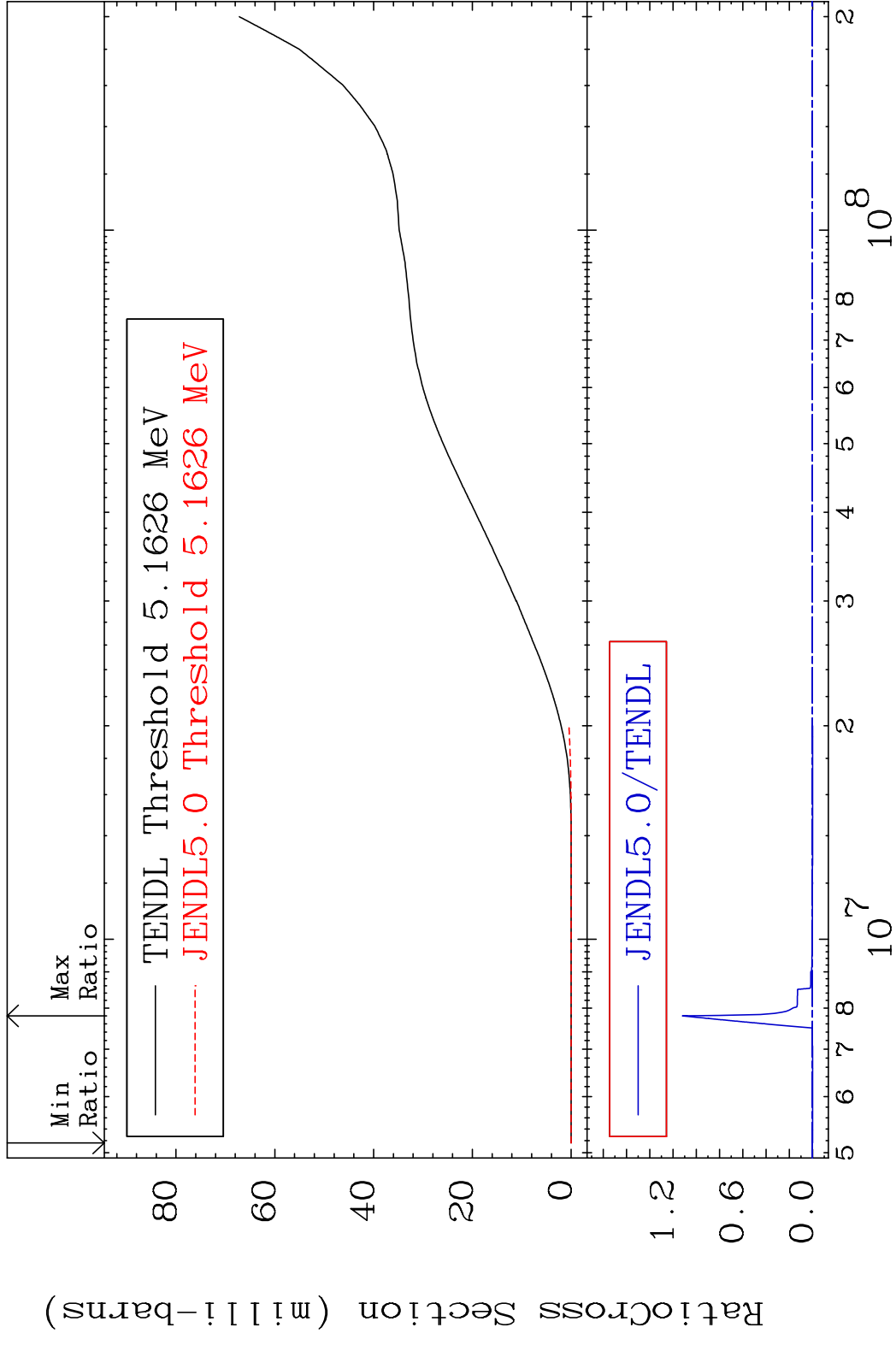
78-Pt-195

Cross Section -100.0 To 9999. %



MAT 7840

Tritium Production 78-Pt-195
Cross Section -100.0 To 9999. %

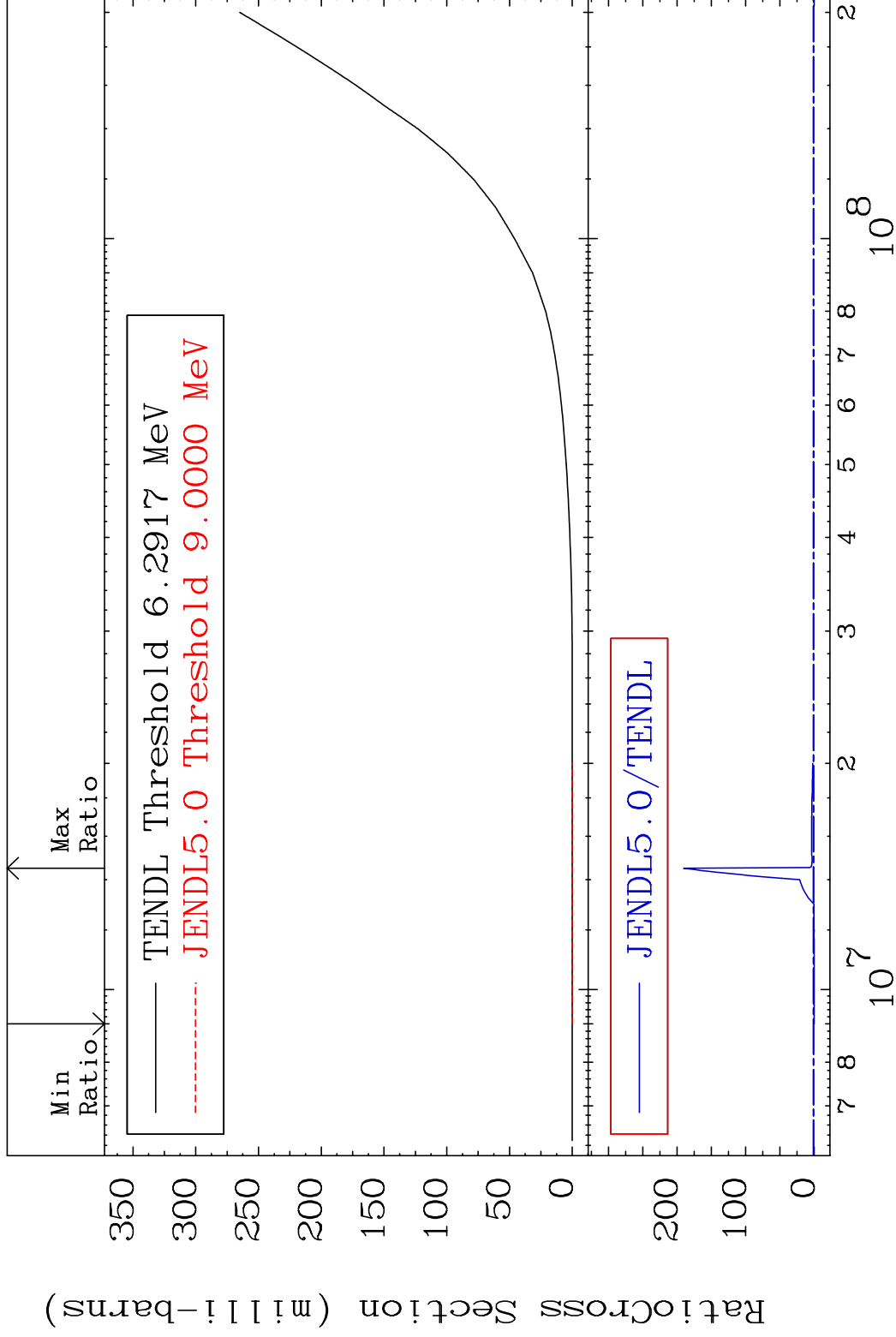


MAT 7840

He-3 Production

78-Pt-195

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

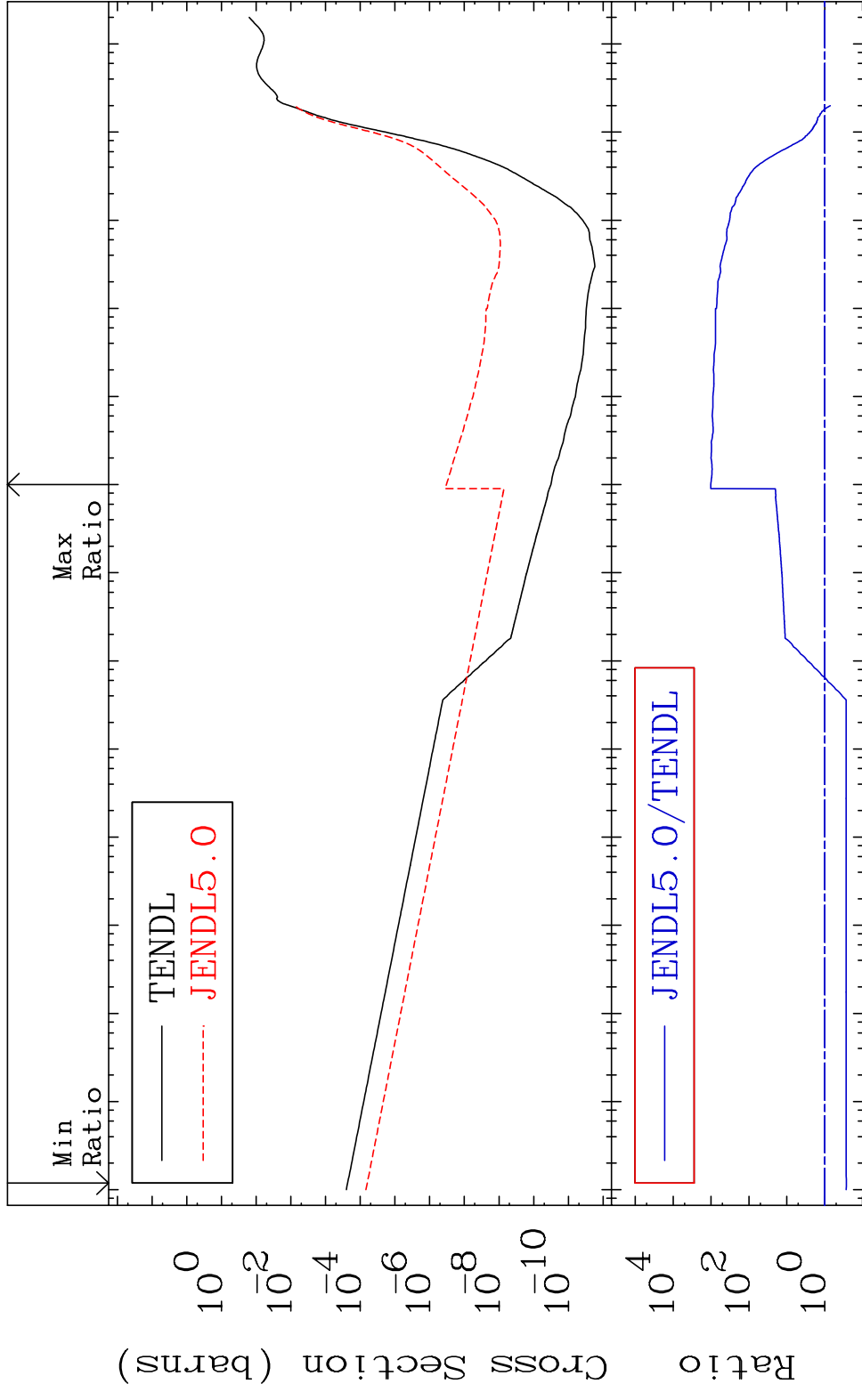
78-Pt-195

MAT 7840

He-4 Production

78-Pt-195

Cross Section -73.06 To 9999. %



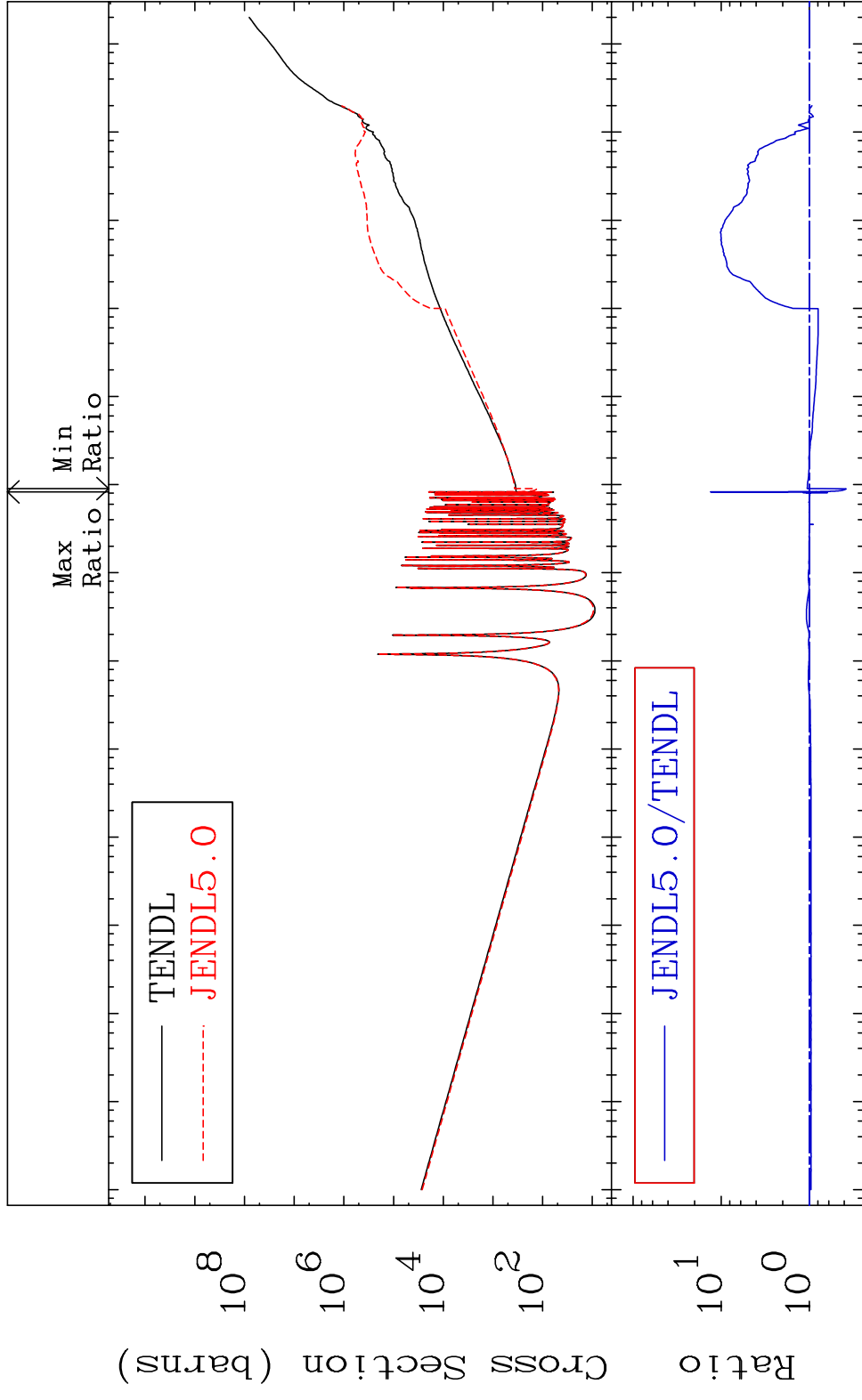
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

41

Incident Energy (eV)

78-Pt-195

MAT 7840 Kerma total (eV-barns) 78-Pt-195
 Cross Section -62.05 To 1212. %

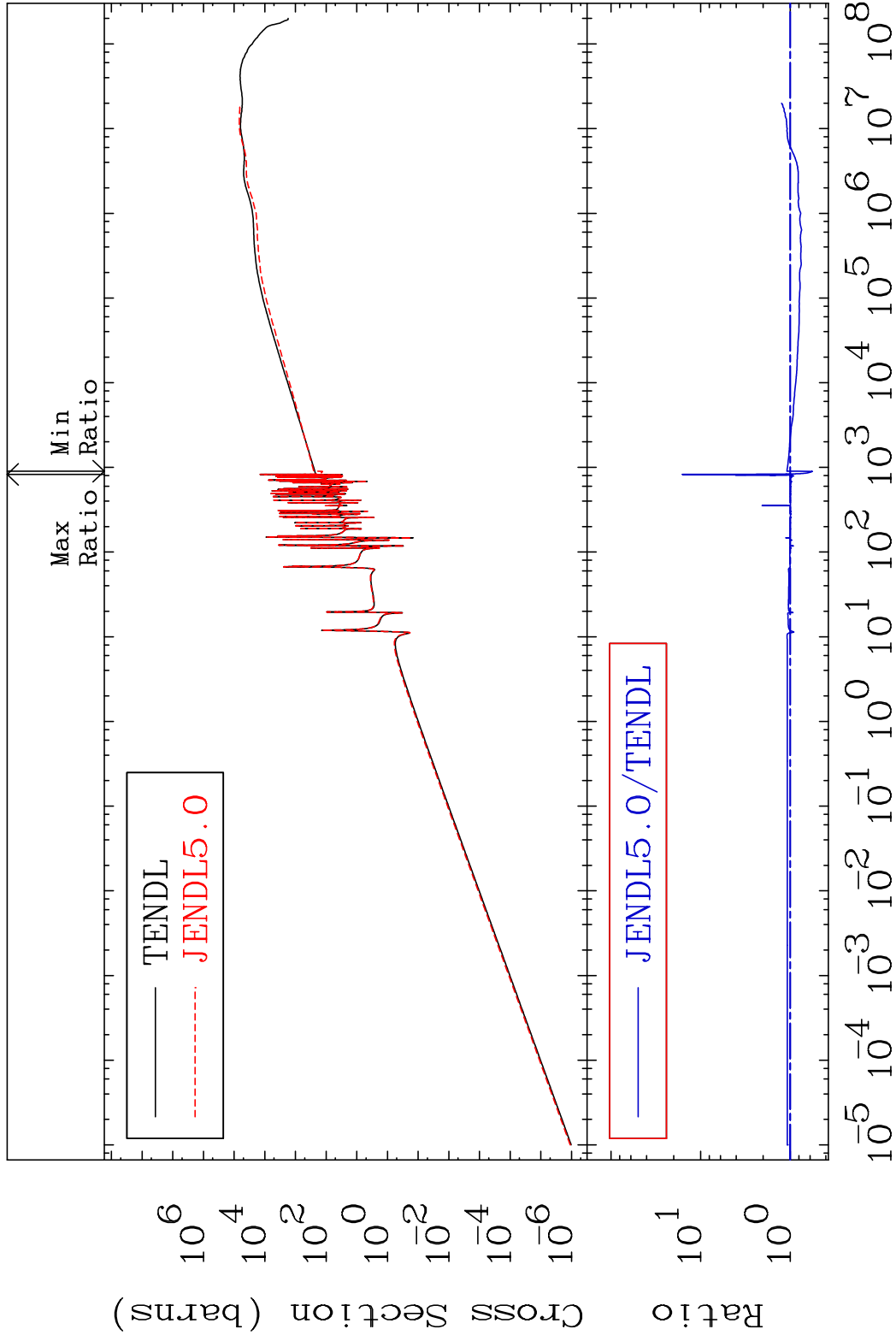


MAT 7840

Kerma elastic

78-Pt-195

Cross Section -43.777 To 1498. %

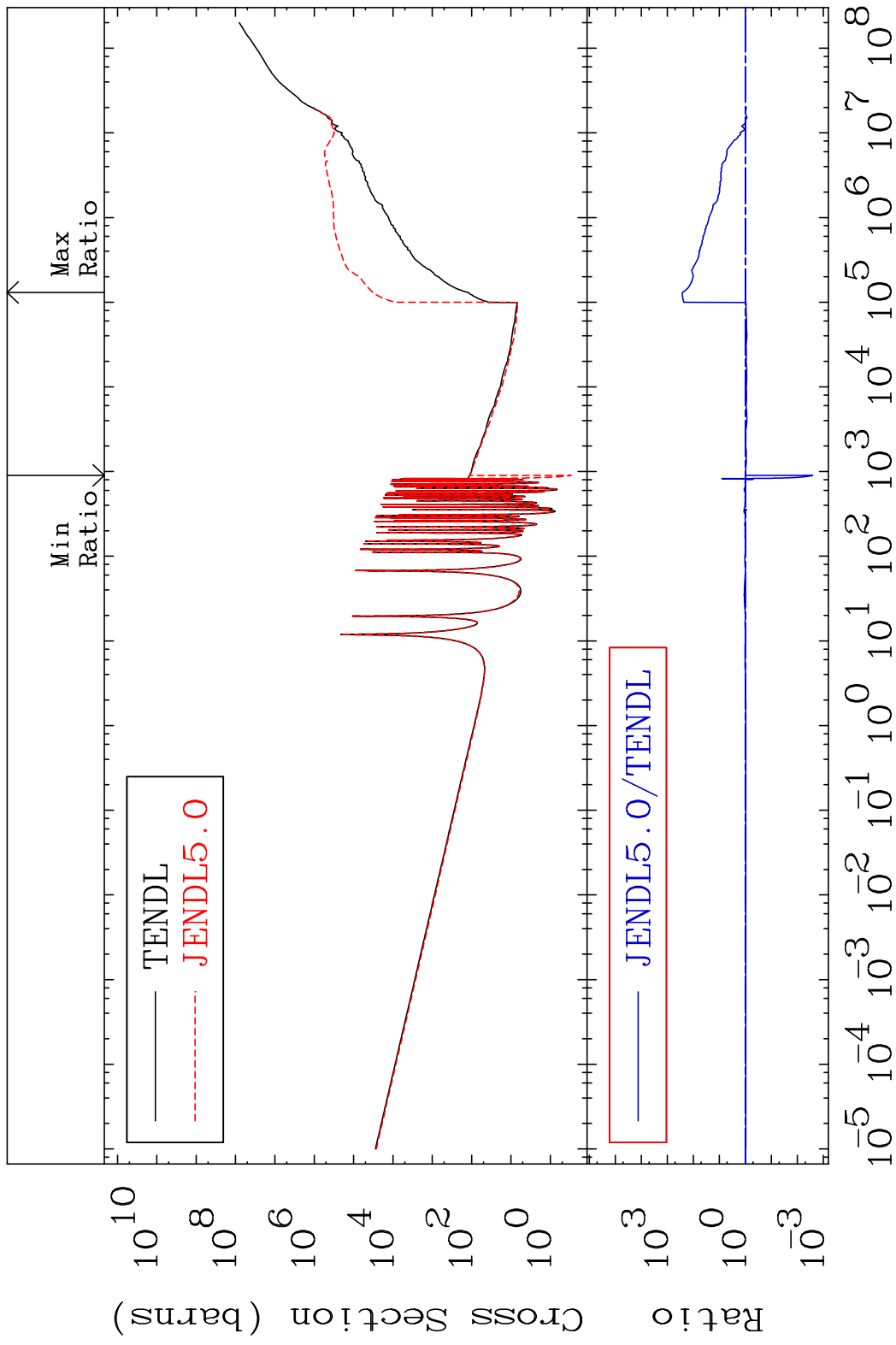


43

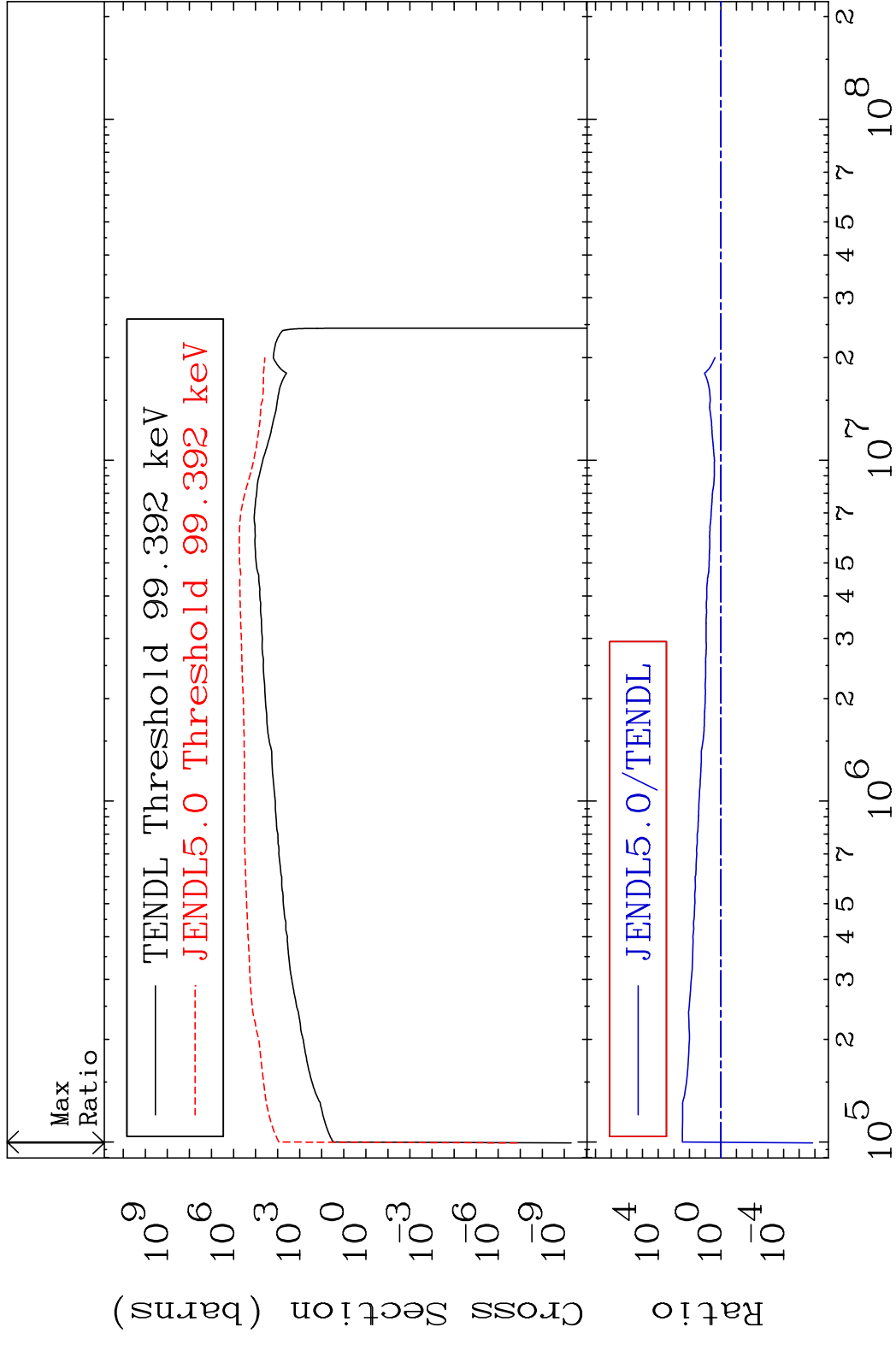
Incident Energy (eV)

78-Pt-195

MAT 7840 Kerma non-elastic (all but mt2) 78-Pt-195
 Cross Section -99.74 To 9999. %

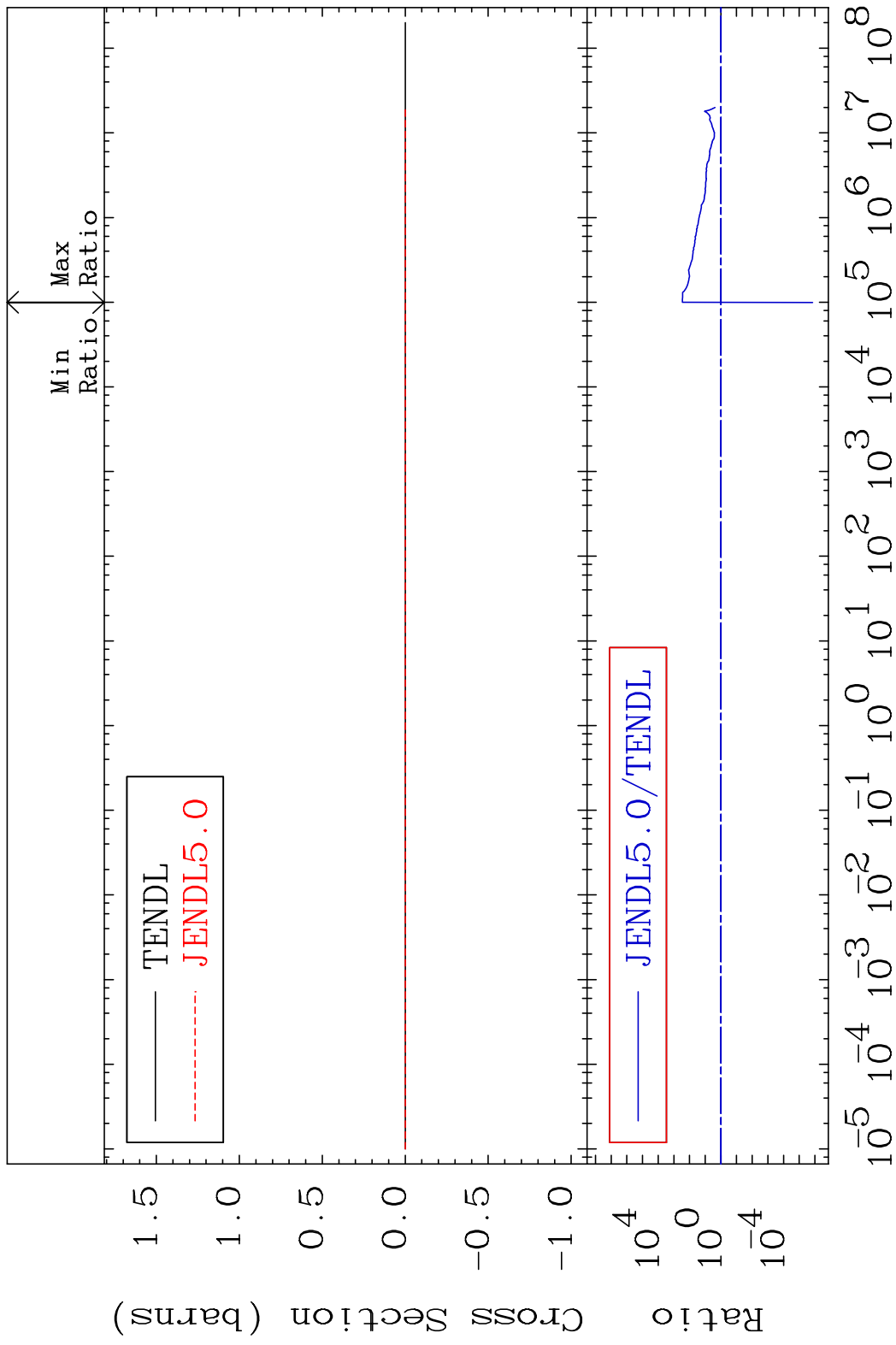


MAT 7840 Kerma inelastic (mt51-91) 78-Pt-195
 Cross Section -100.0 To 9999. %



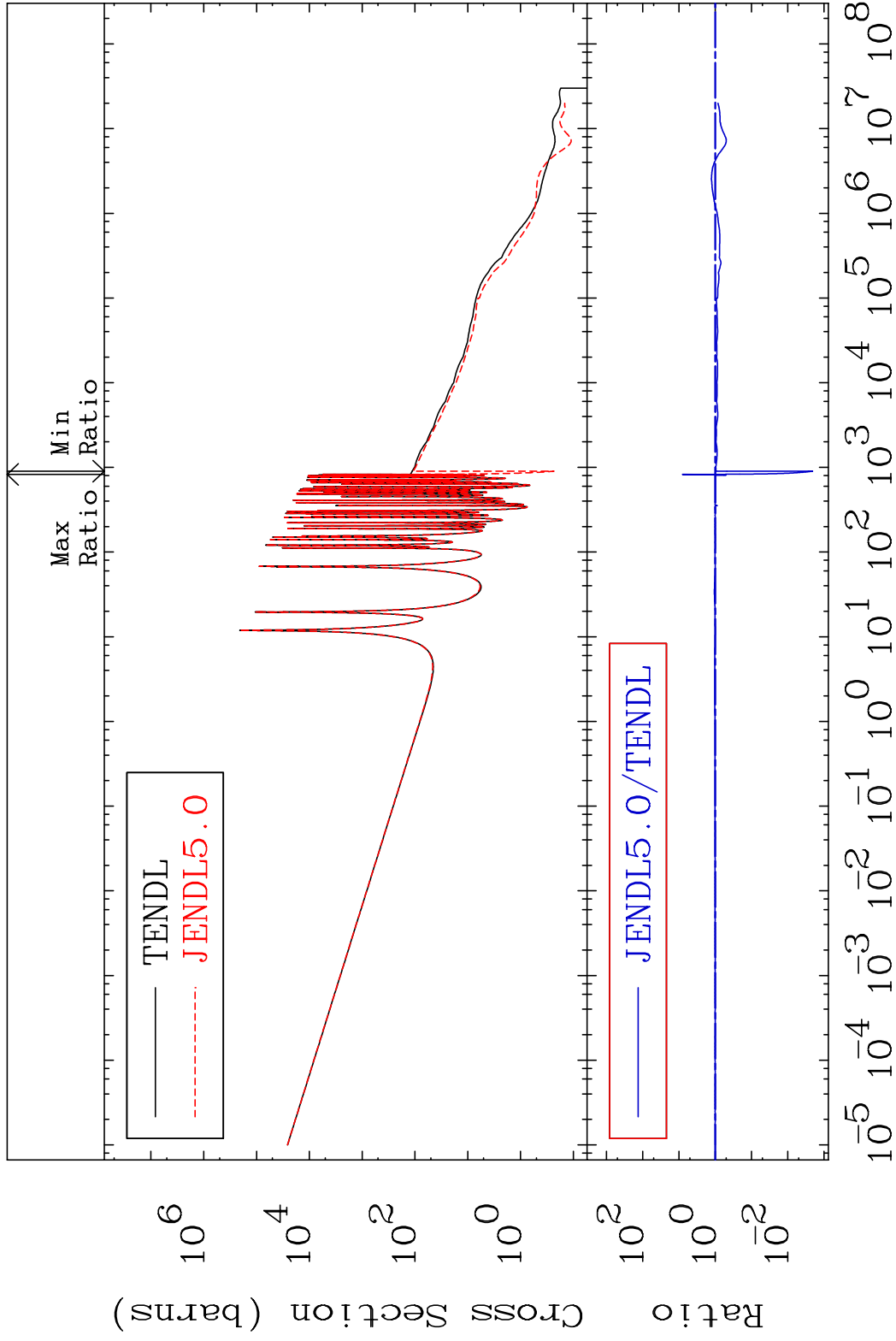
45 Incident Energy (eV) 78-Pt-195

MAT 7840 Kerma fission (mt18 or mt19-20-21-38)78-Pt-195
 Cross Section -100.0 To 9999. %



MAT 7840

Kerma capture (mt102) 78-Pt-195
Cross Section -99.79 To 703.1 %

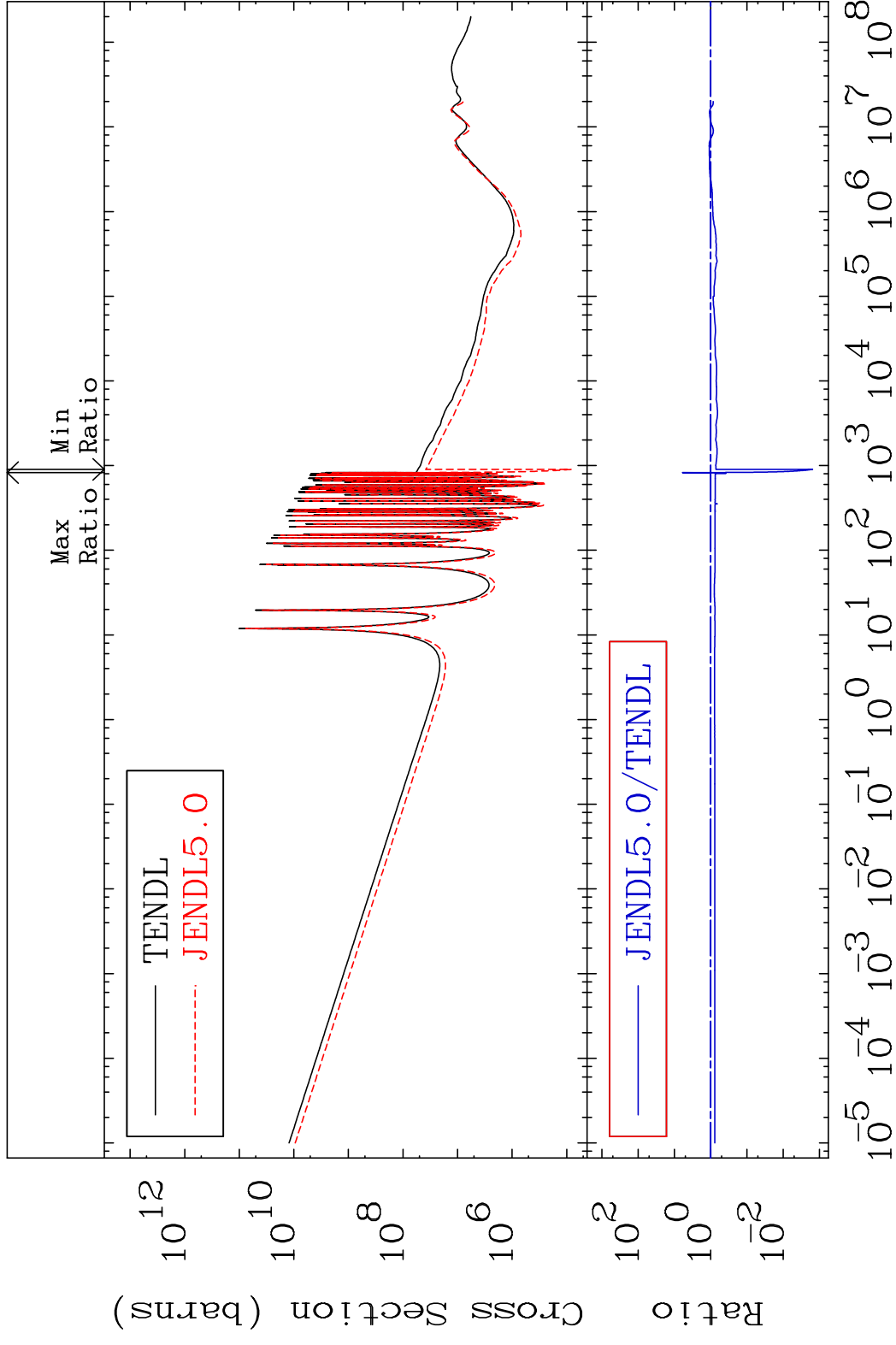


47

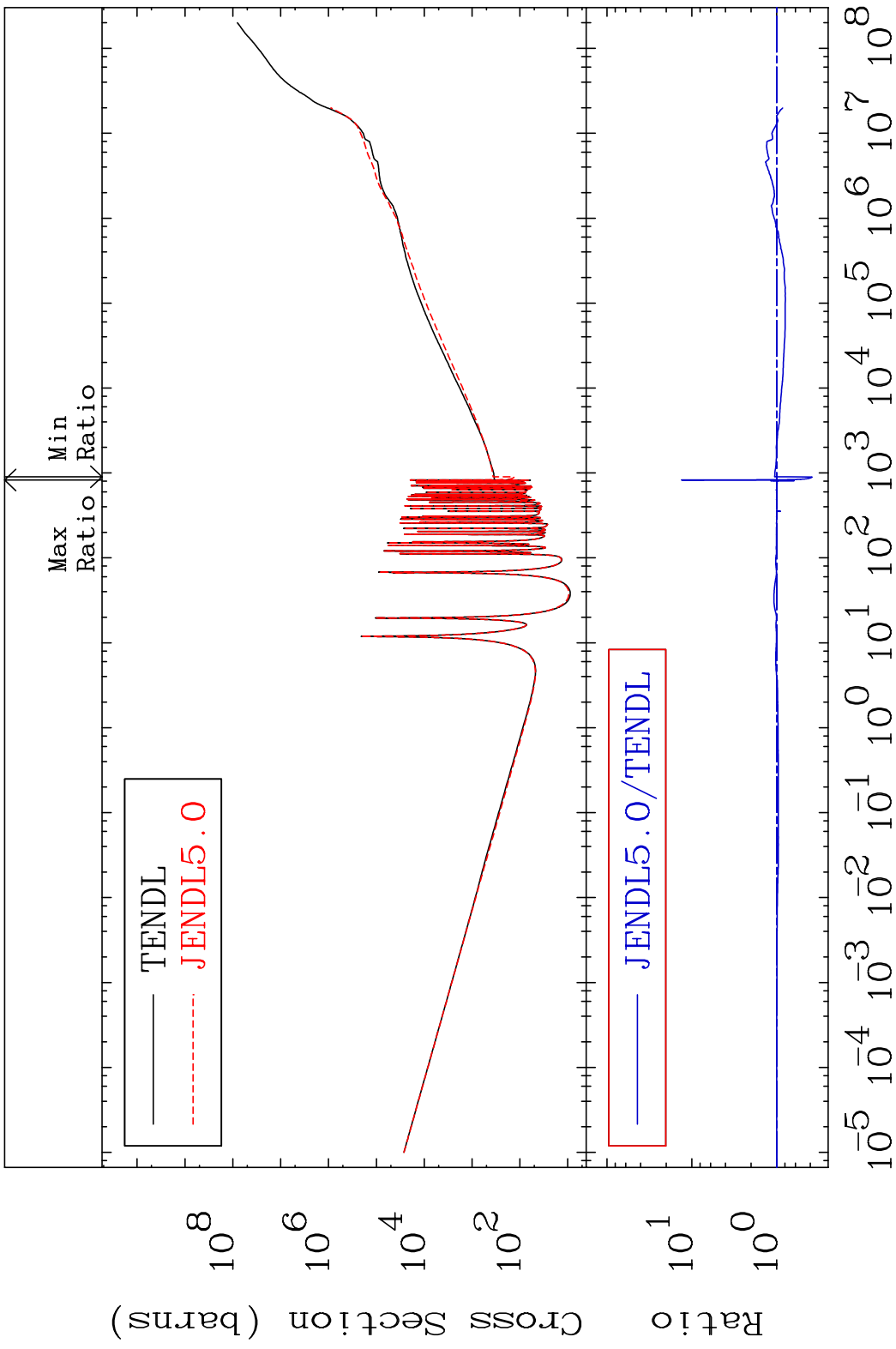
Incident Energy (eV)

78-Pt-195

MAT 7840 Total photon (eV-barns) 78-Pt-195
 Cross Section -99.85 To 502.0 %



MAT 7840 Total kinematic kerma (high limit) 78-Pt-195
Cross Section -62.05 To 1212. %

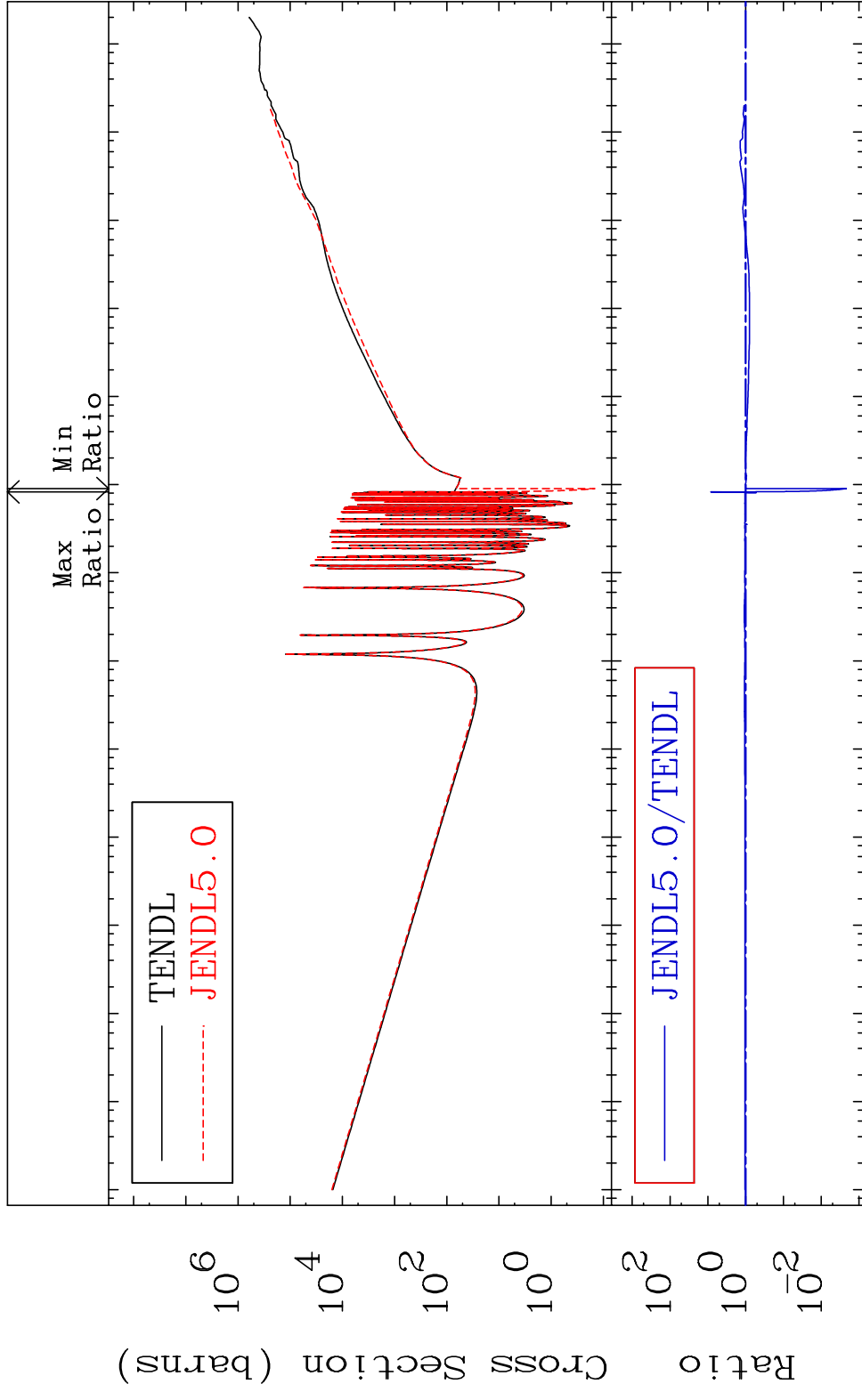


MAT 7840

Dpa total (eV-barns)

78-Pt-195

Cross Section -99.78 To 738.6 %



50

Incident Energy (eV)

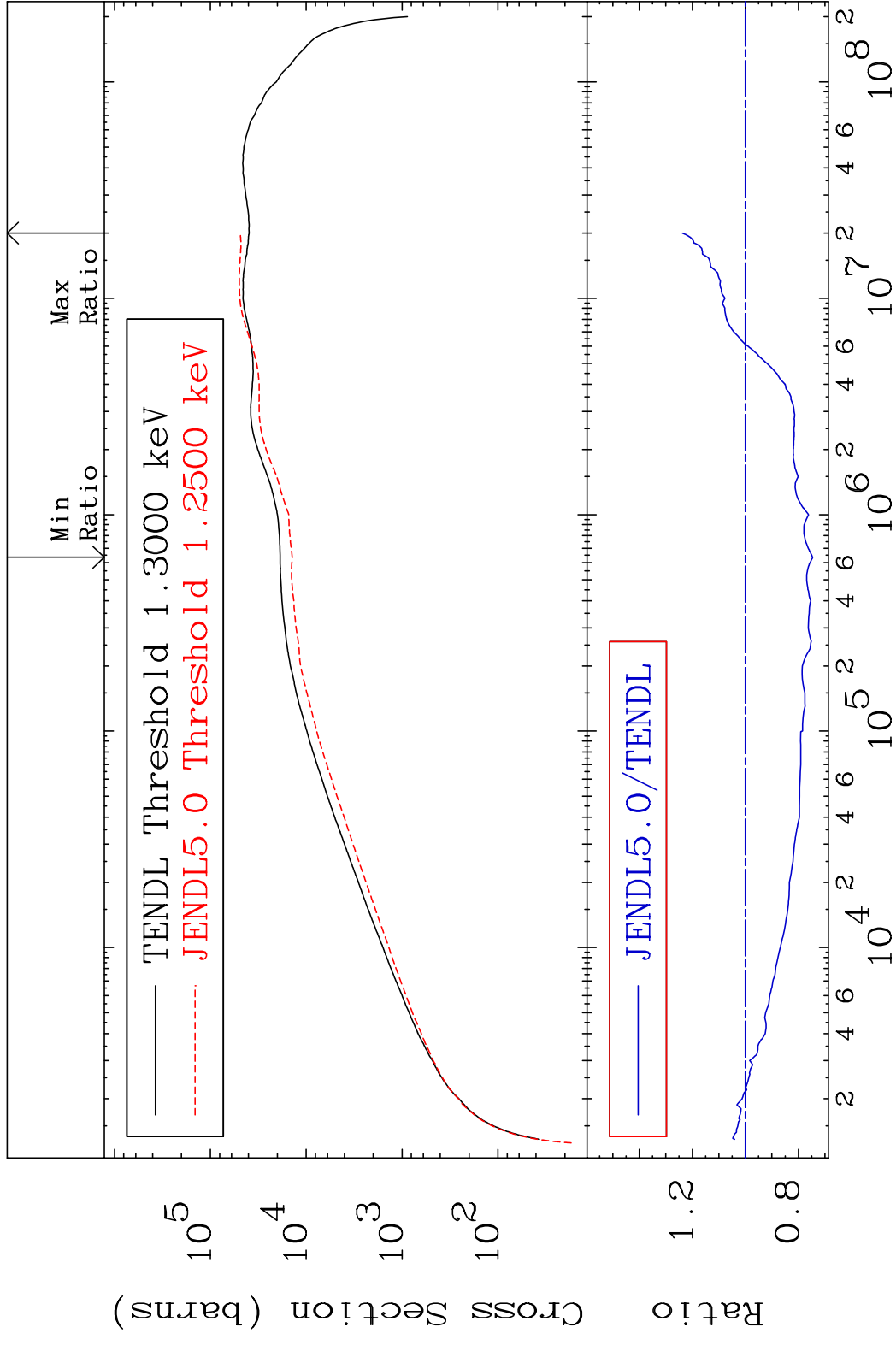
78-Pt-195

MAT 7840

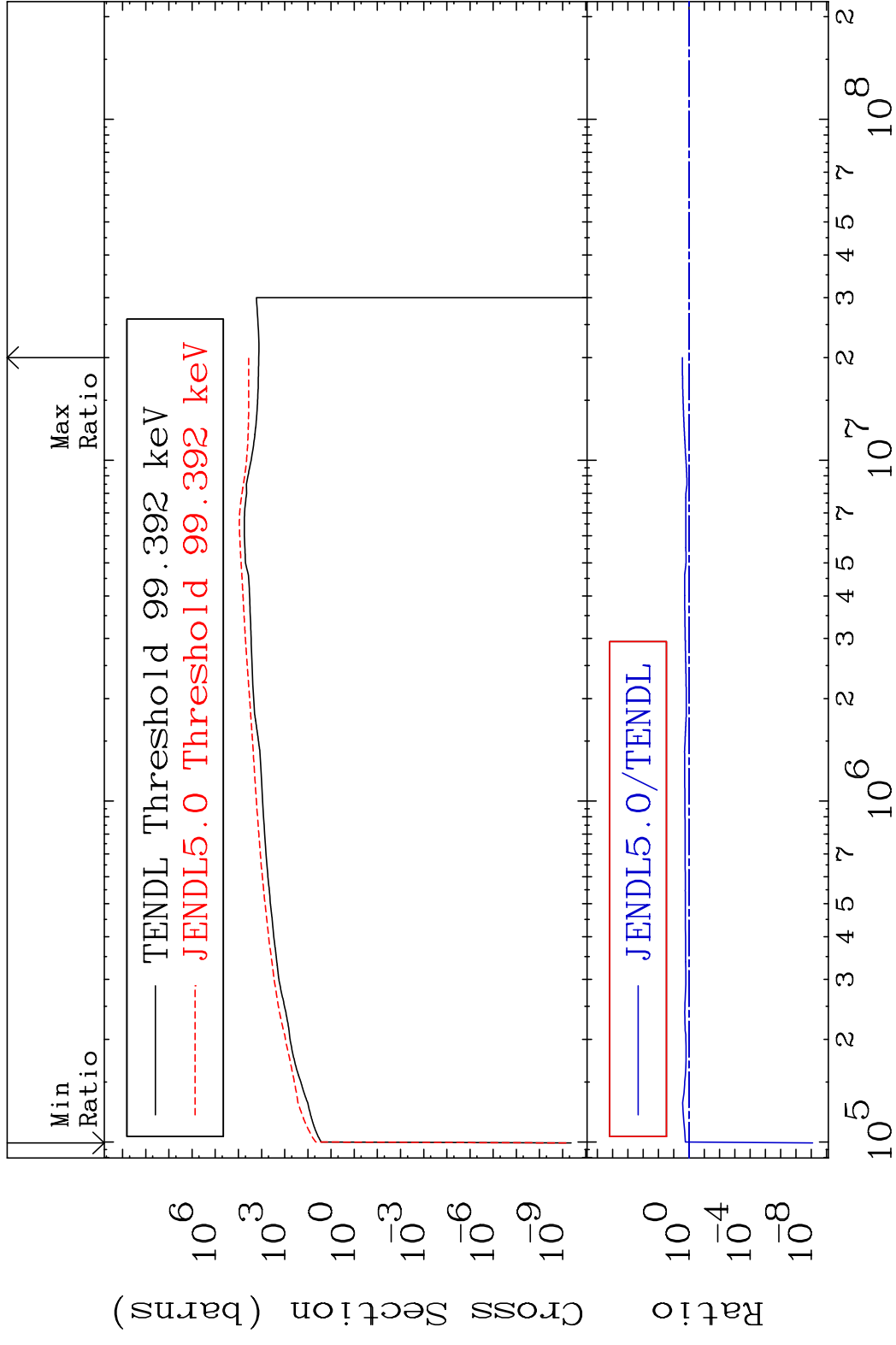
Dpa elastic (mt2)

78-Pt-195

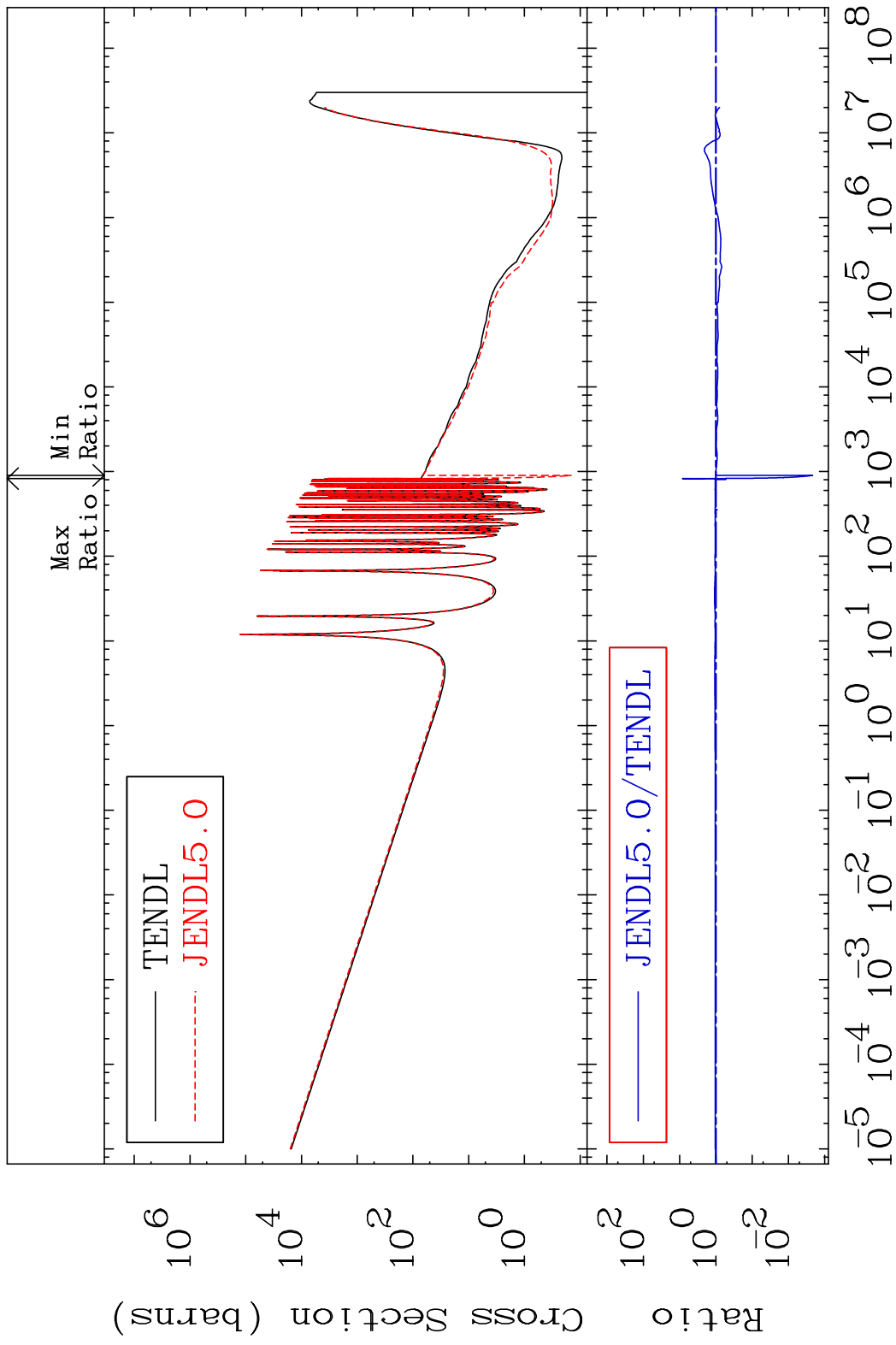
Cross Section -25.34 To 23.76 %

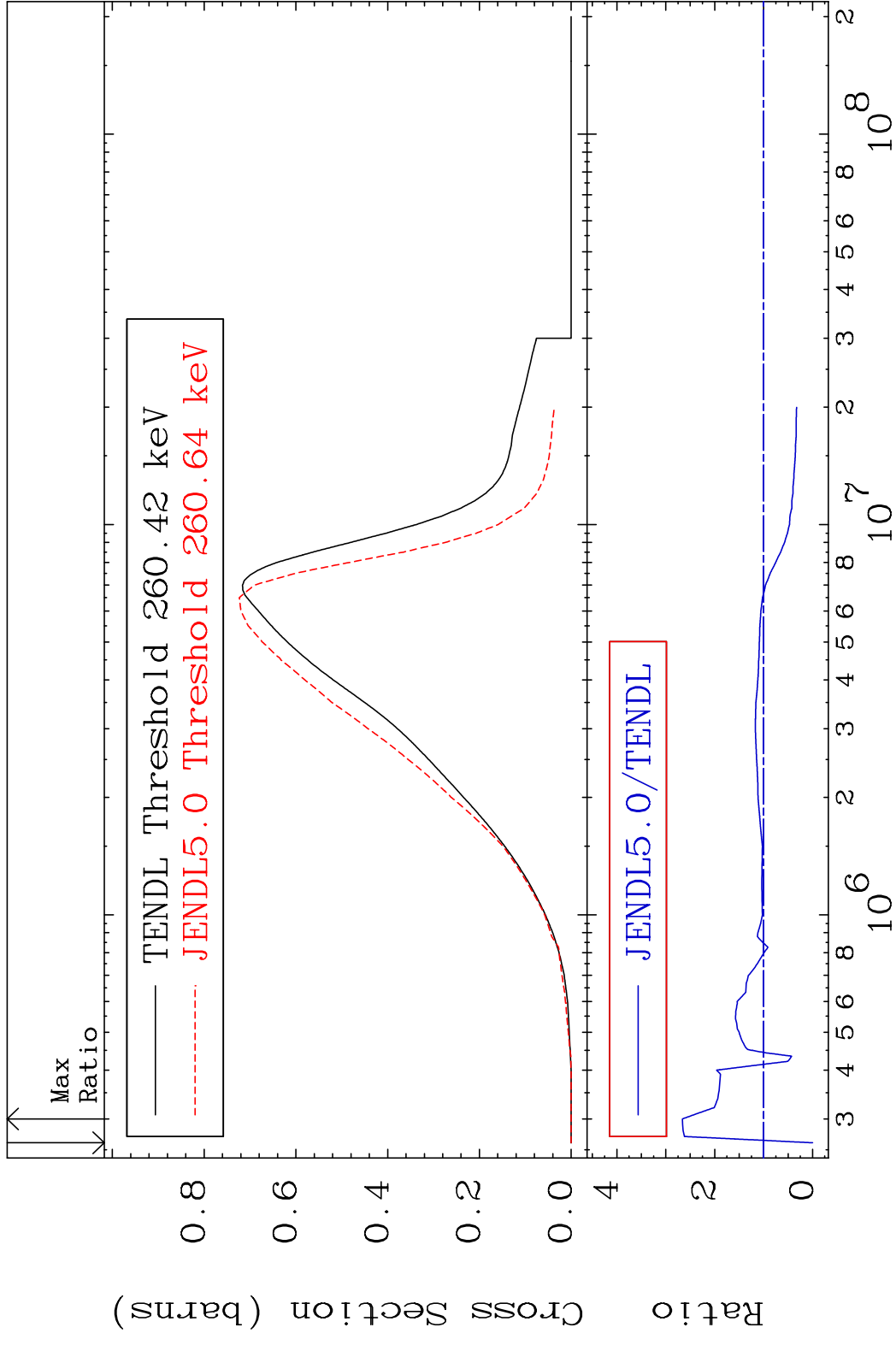


MAT 7840 Dpa inelastic (mt51-91) 78-Pt-195
 Cross Section -100.0 To 170.7 %

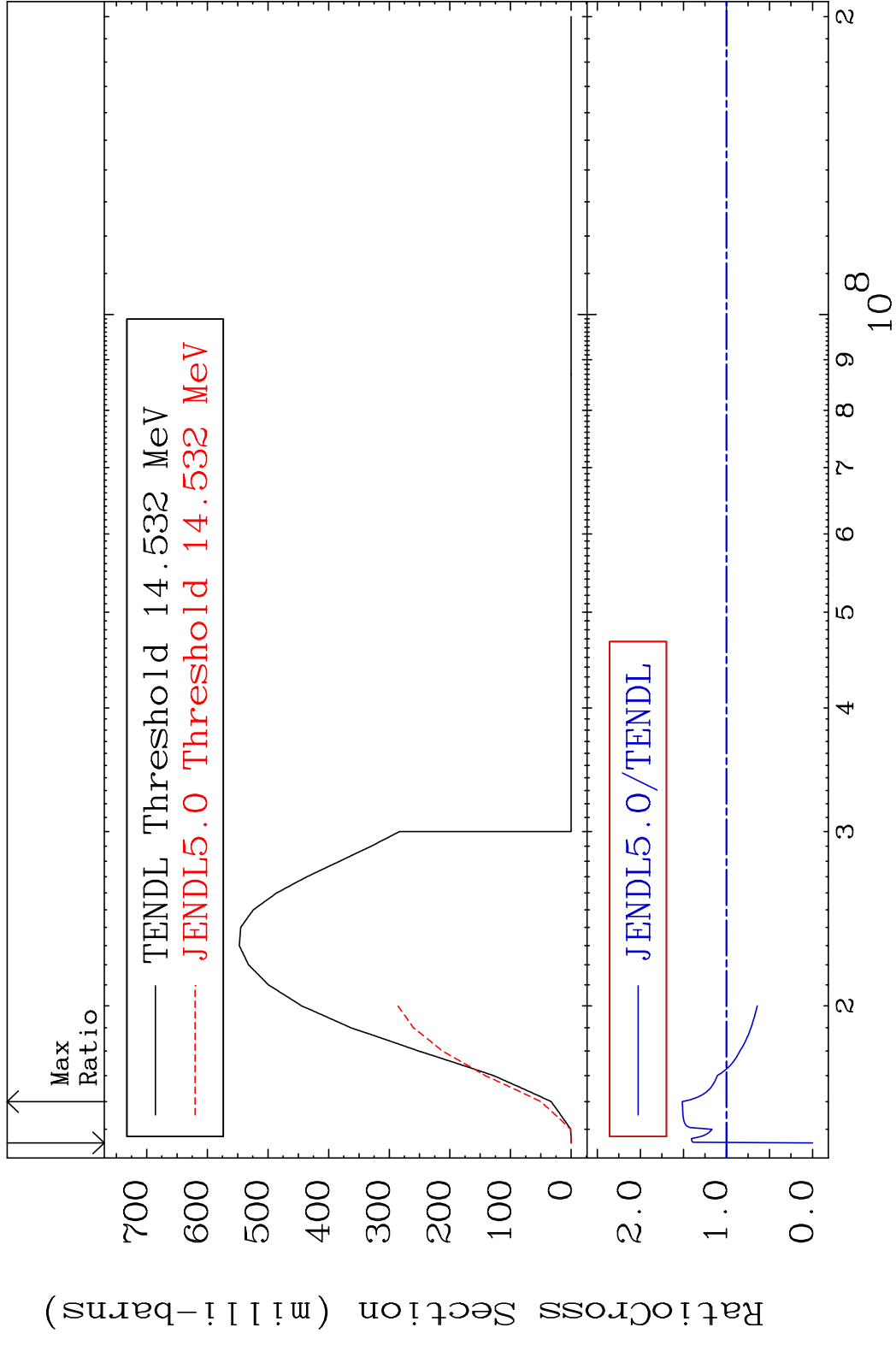


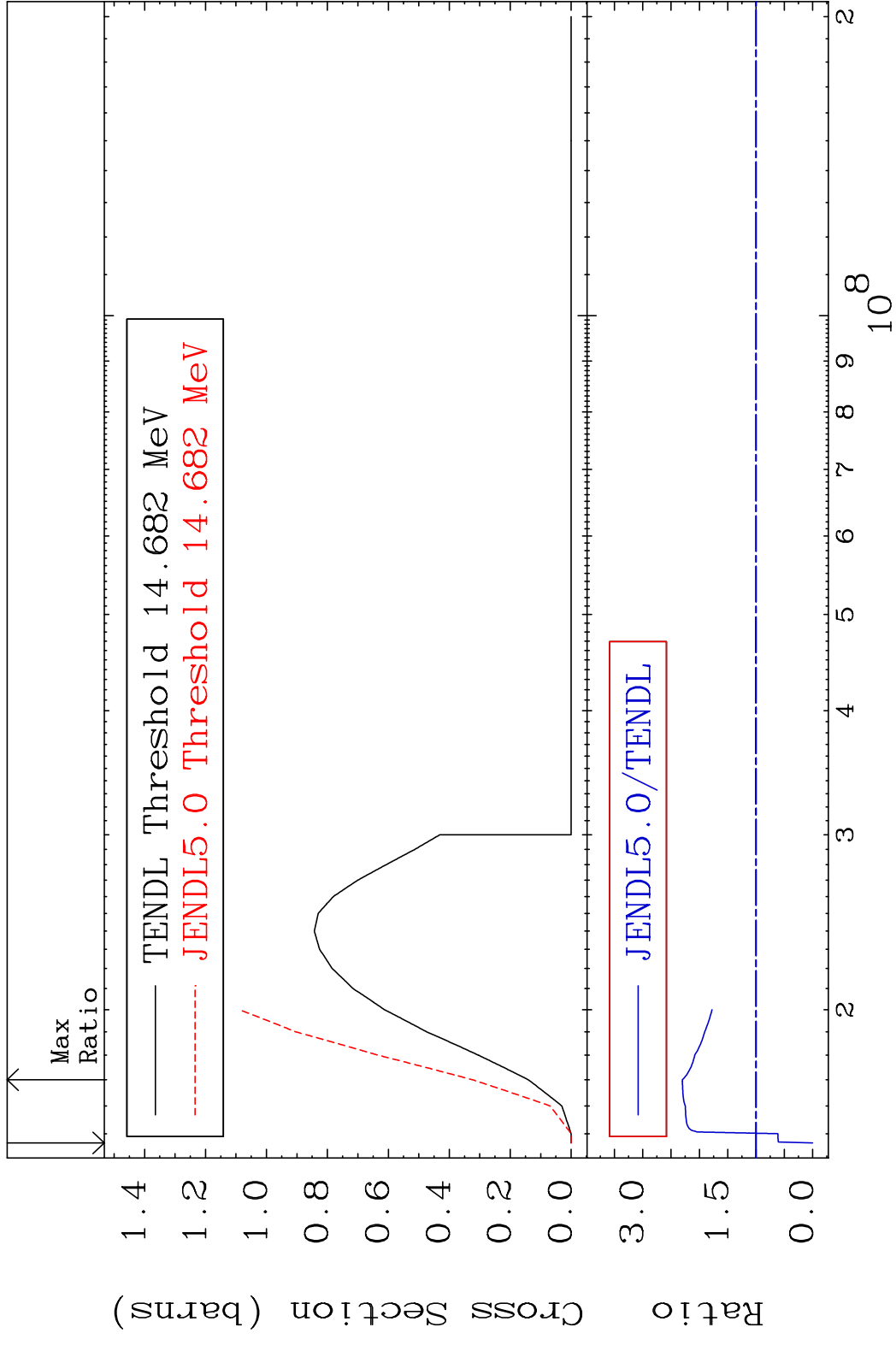
MAT 7840 Dpa disappearance (mt102 -120) 78-Pt-195
 Cross Section -99.78 To 738.6 %

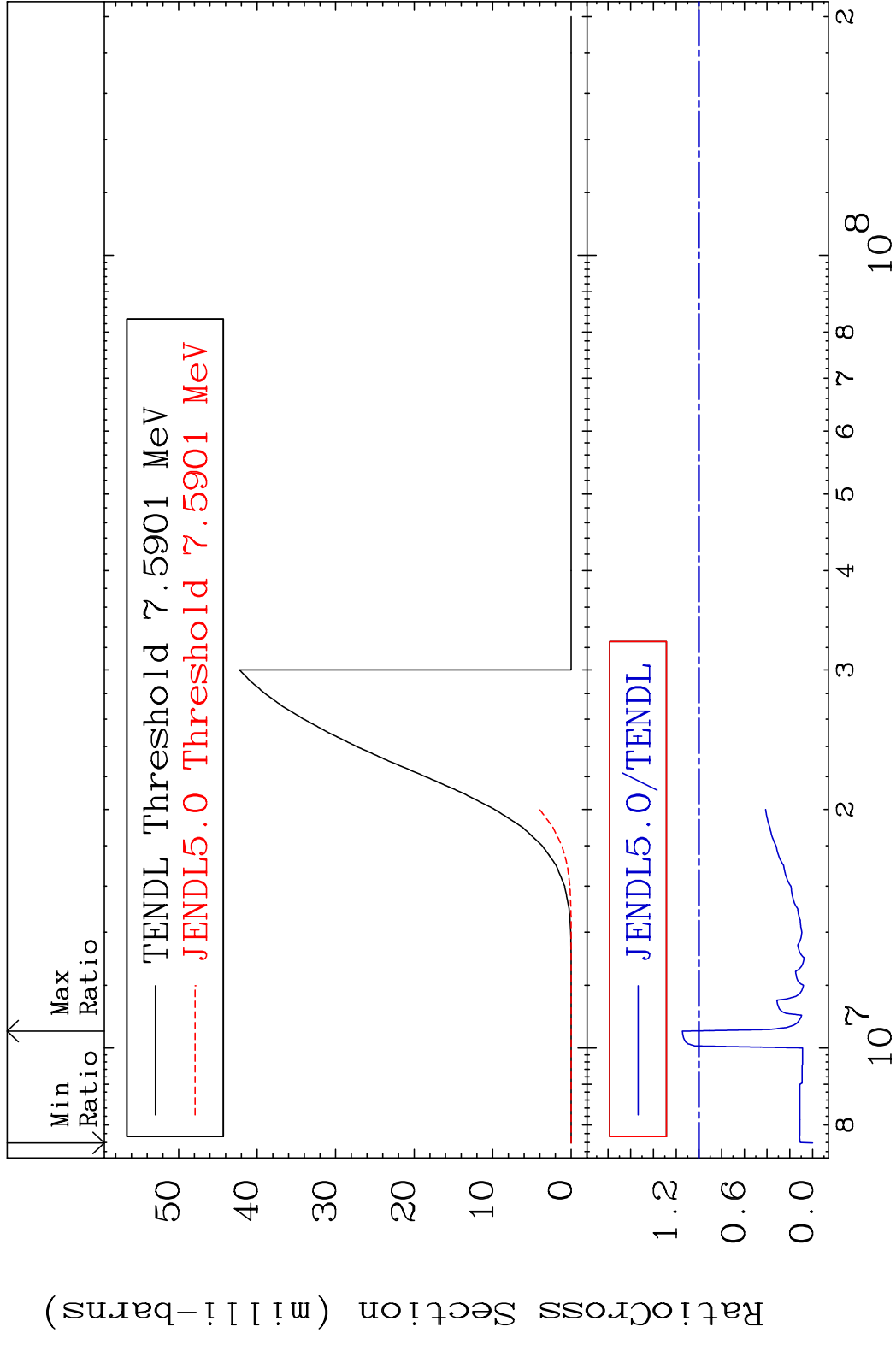


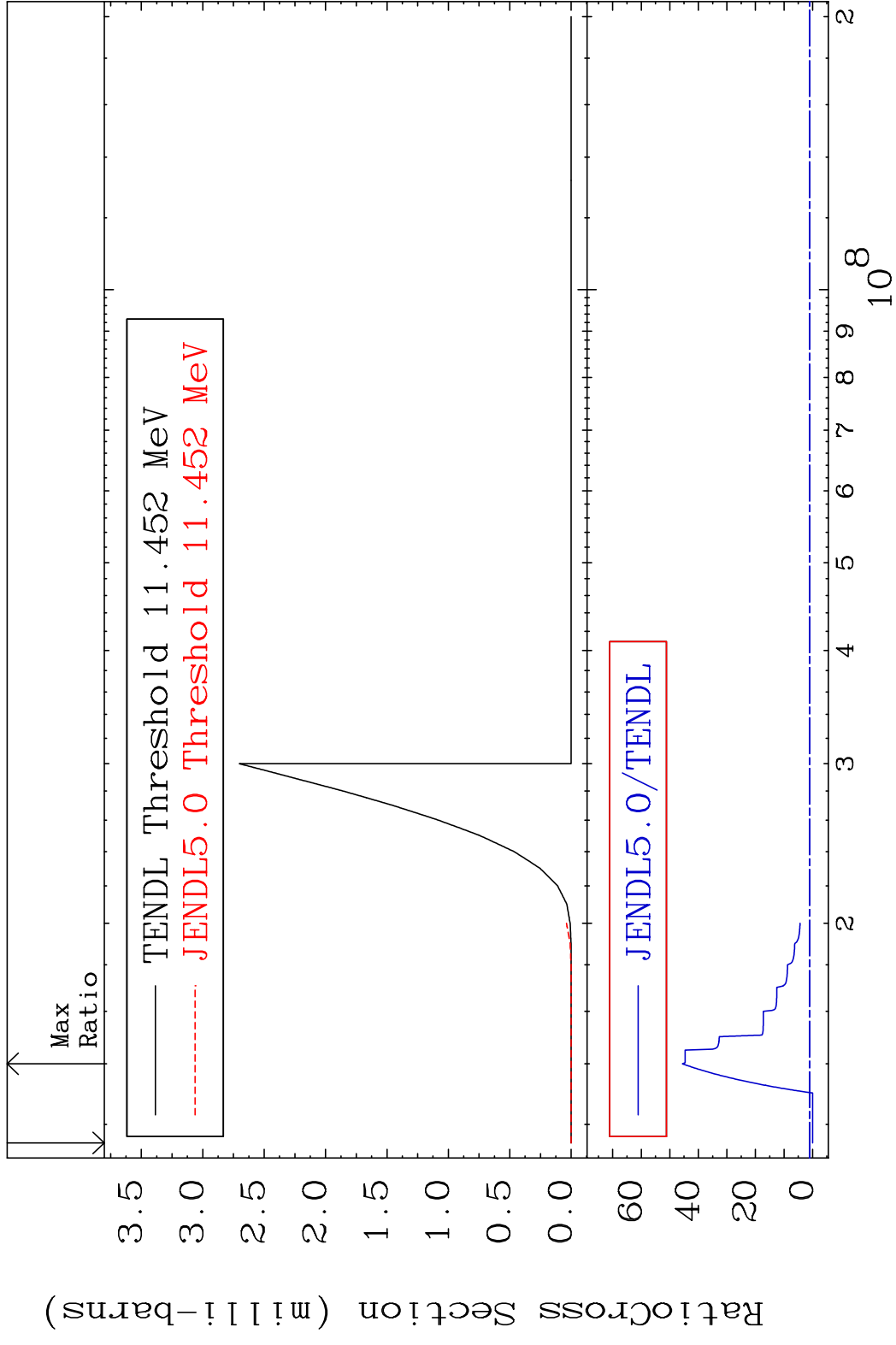


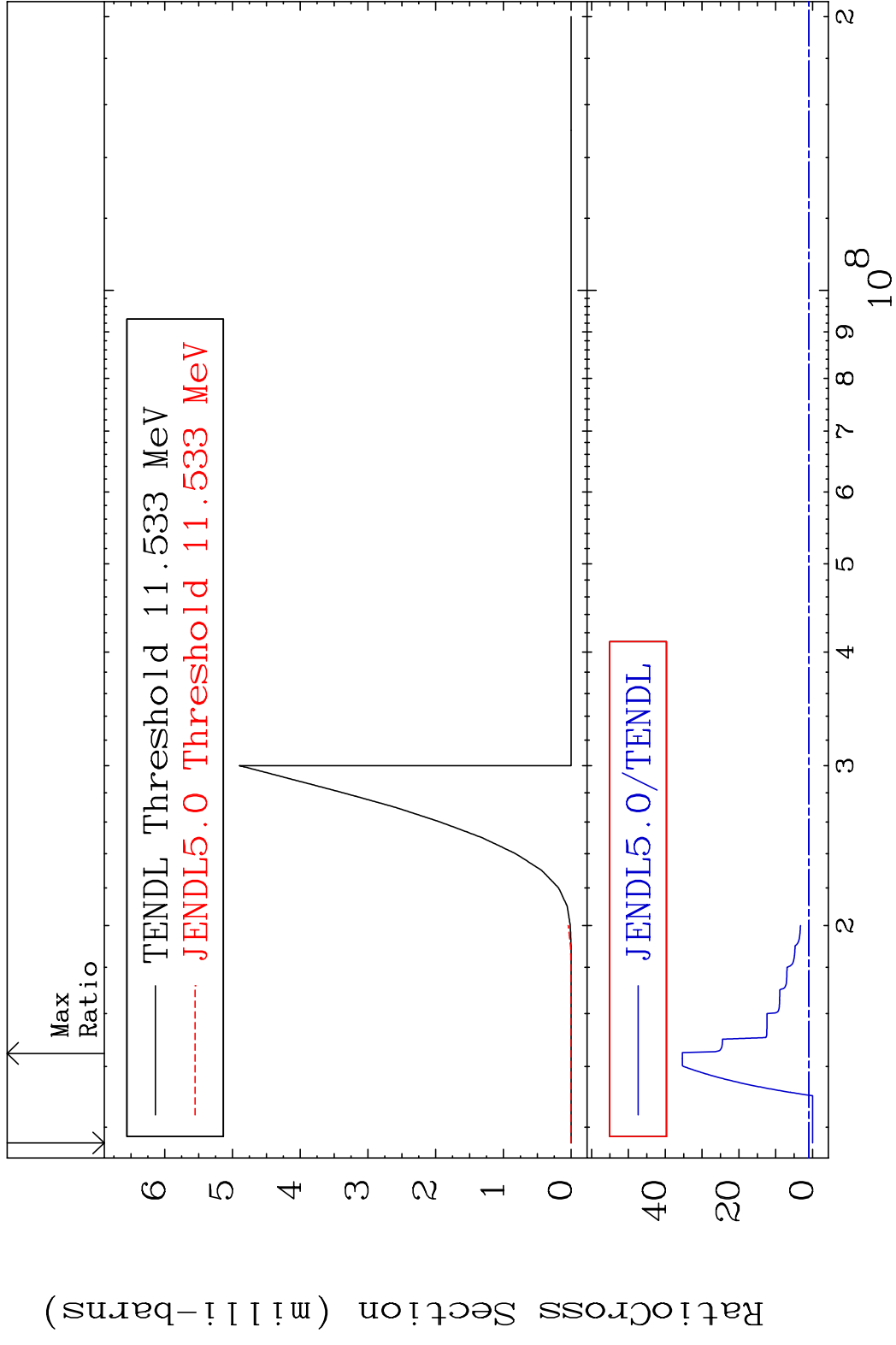
MAT 7840 (n,3n):78-Pt-193g 78-Pt-195
 Radionuclide Production Cross Section Ratio 51.24 %

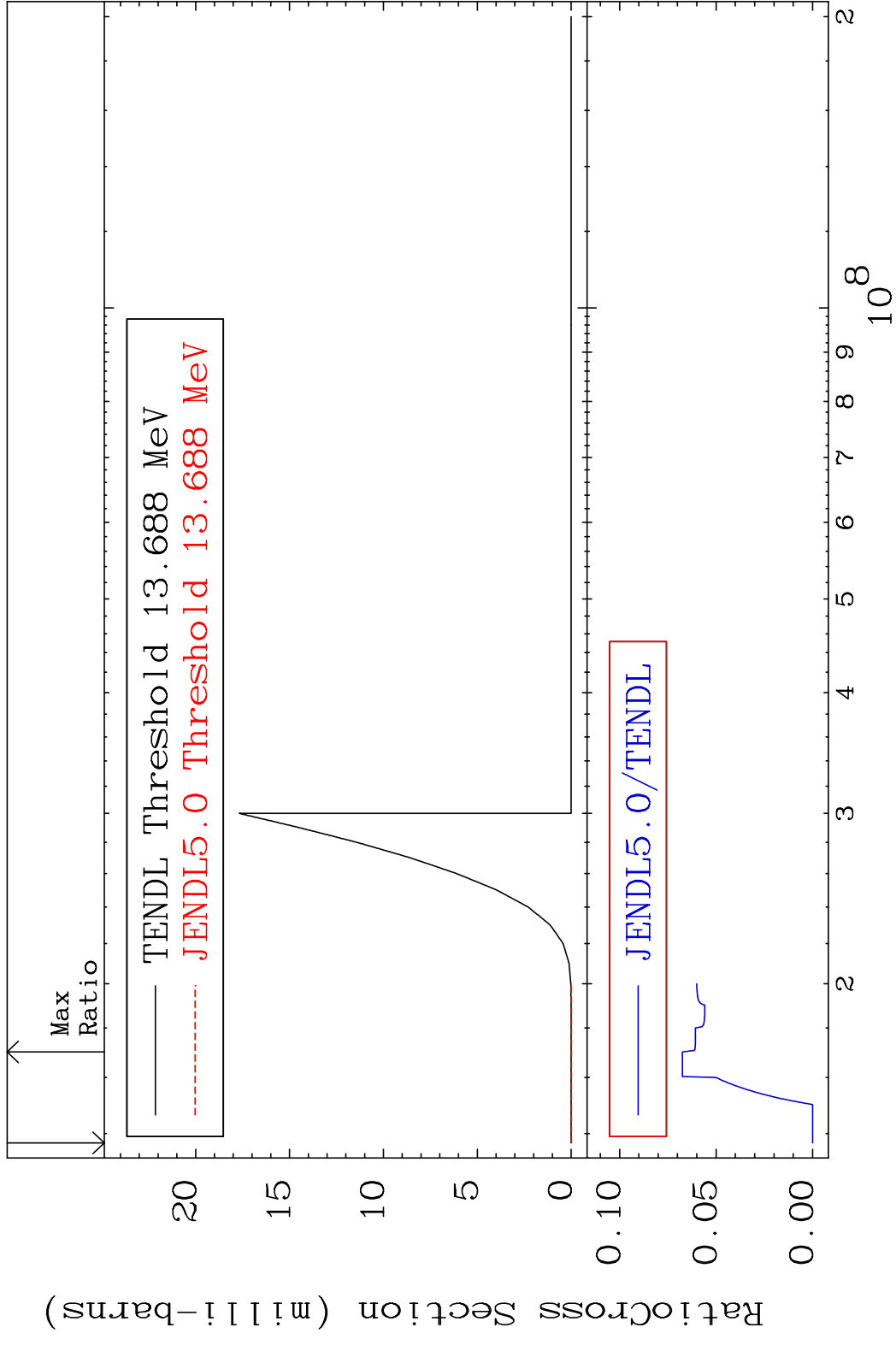


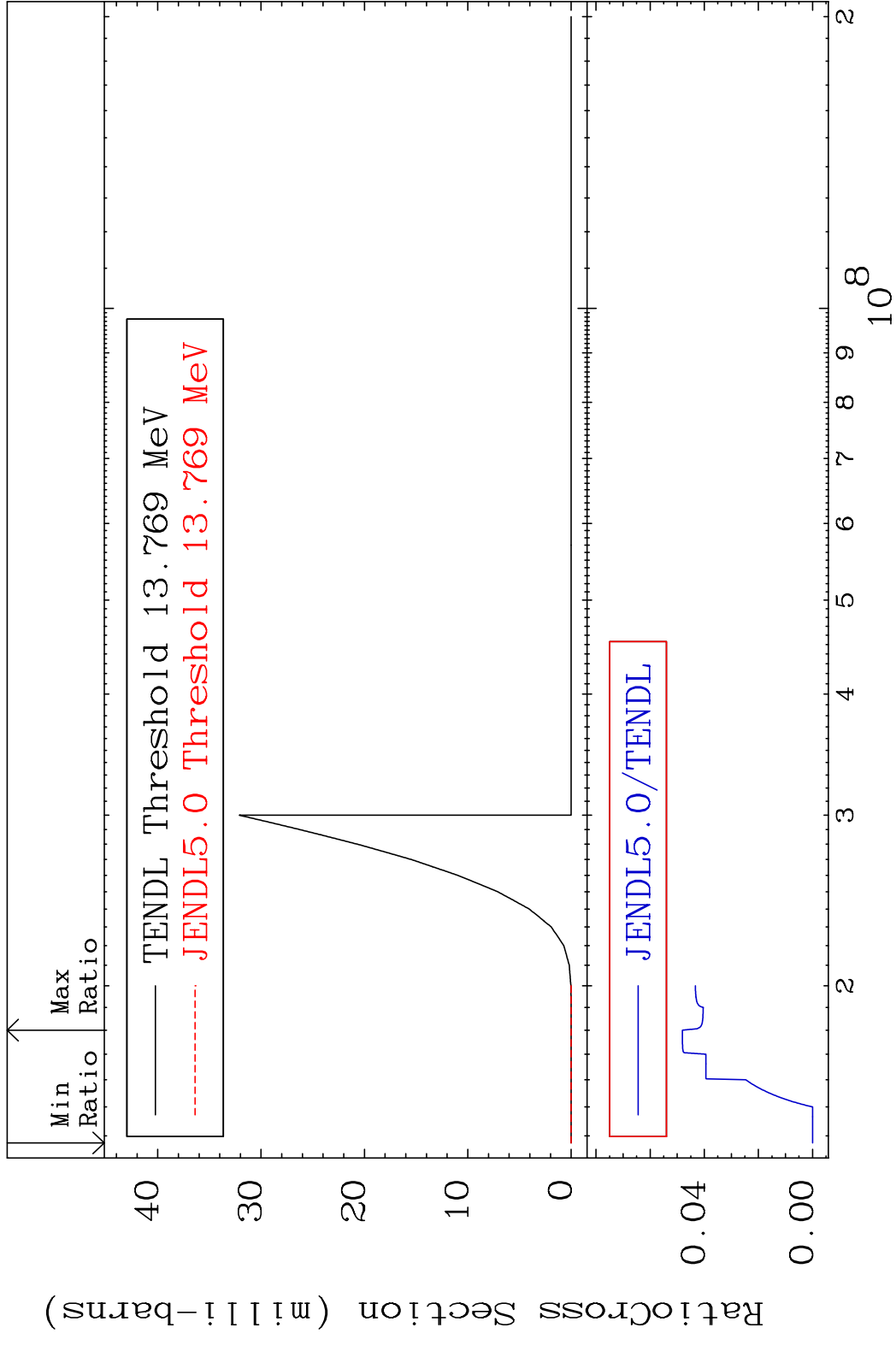


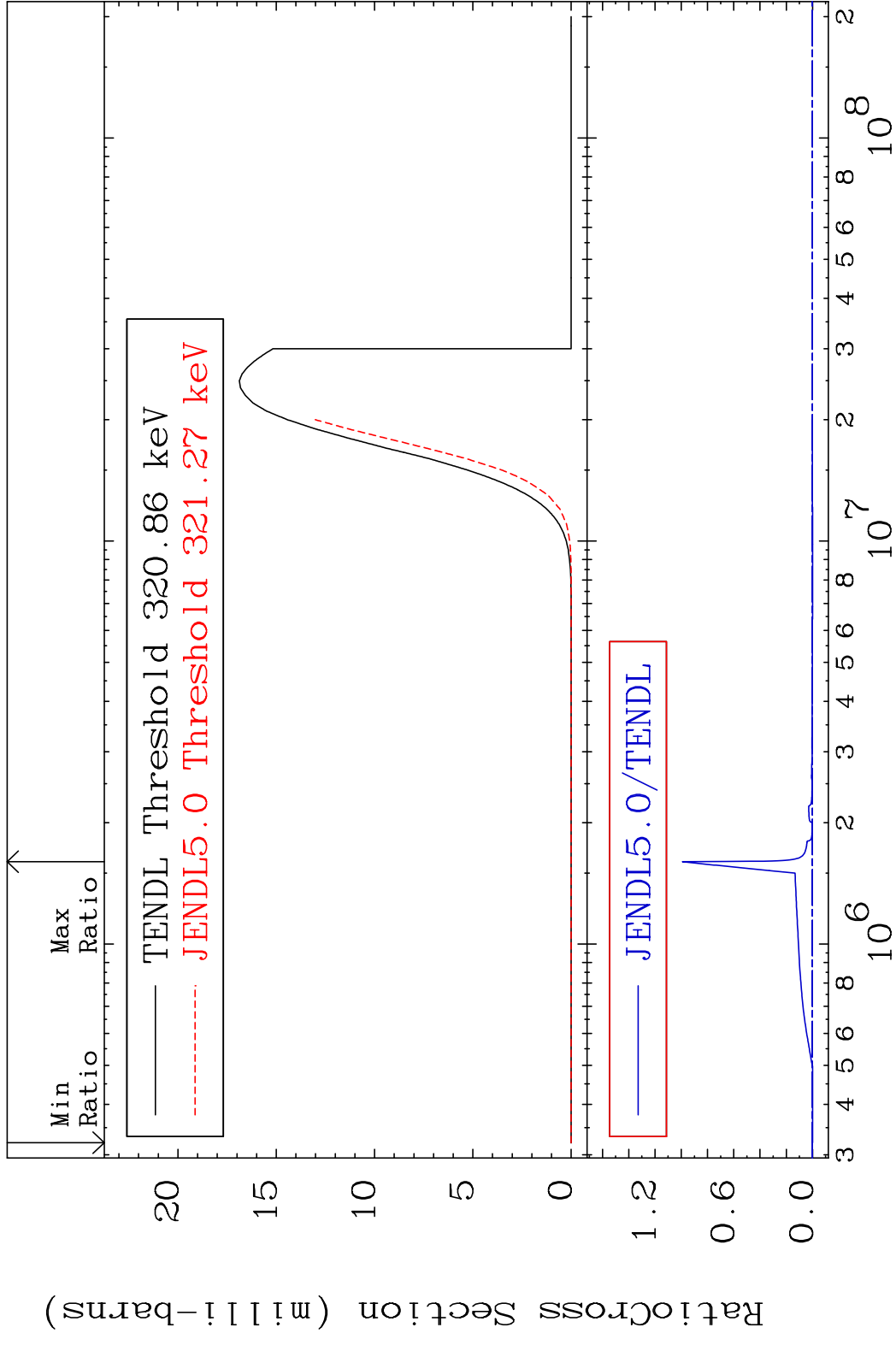


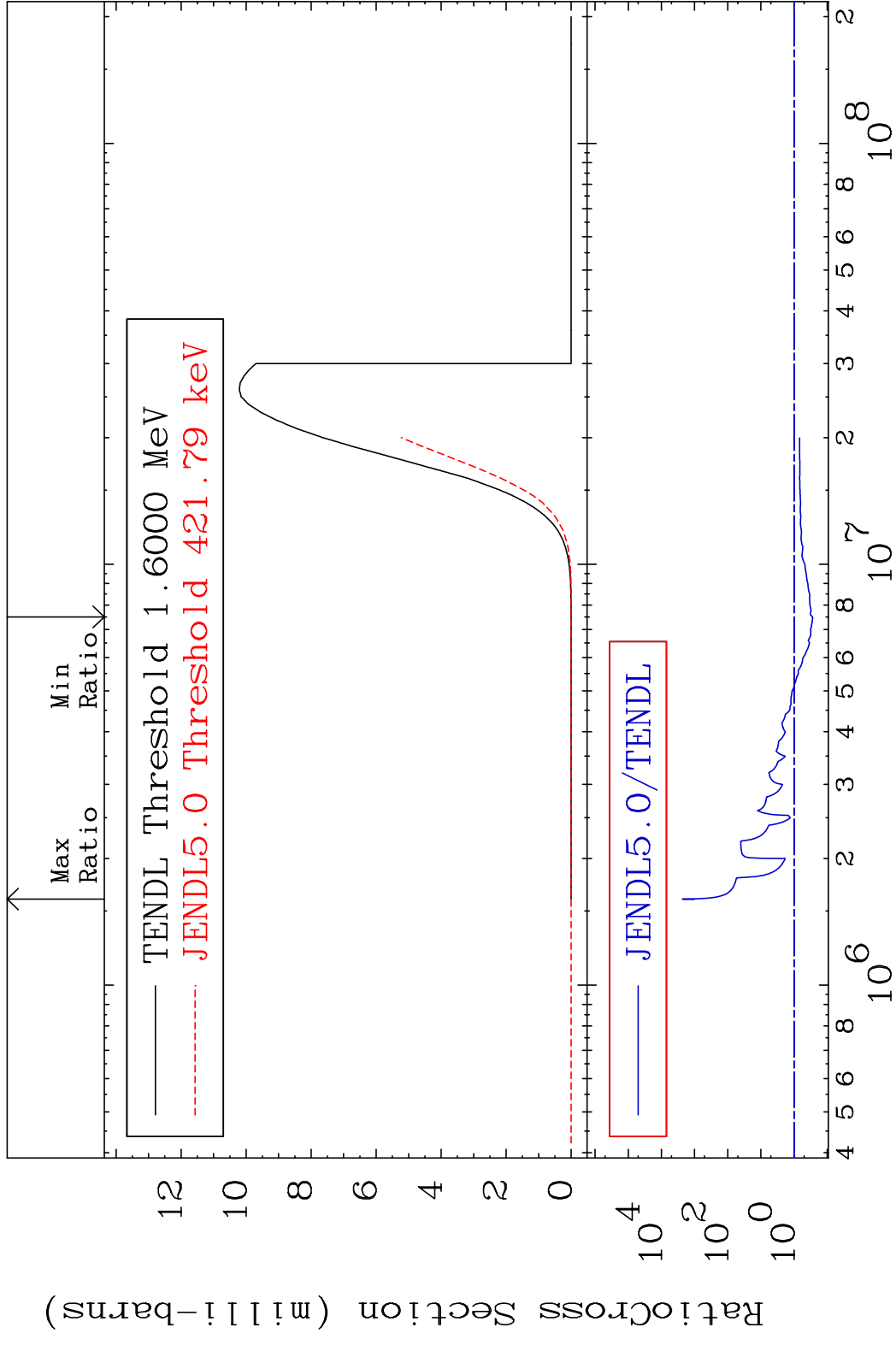




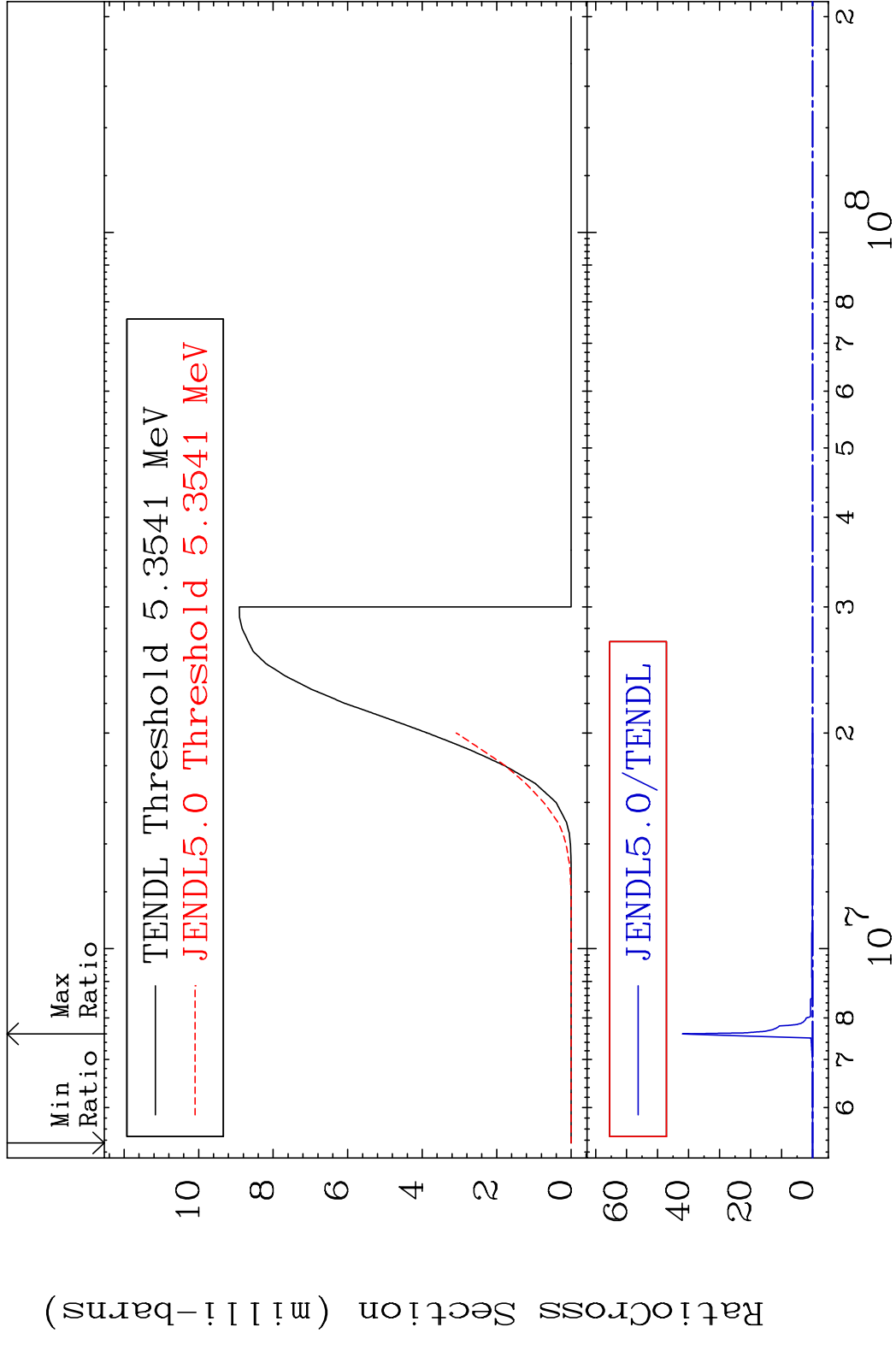


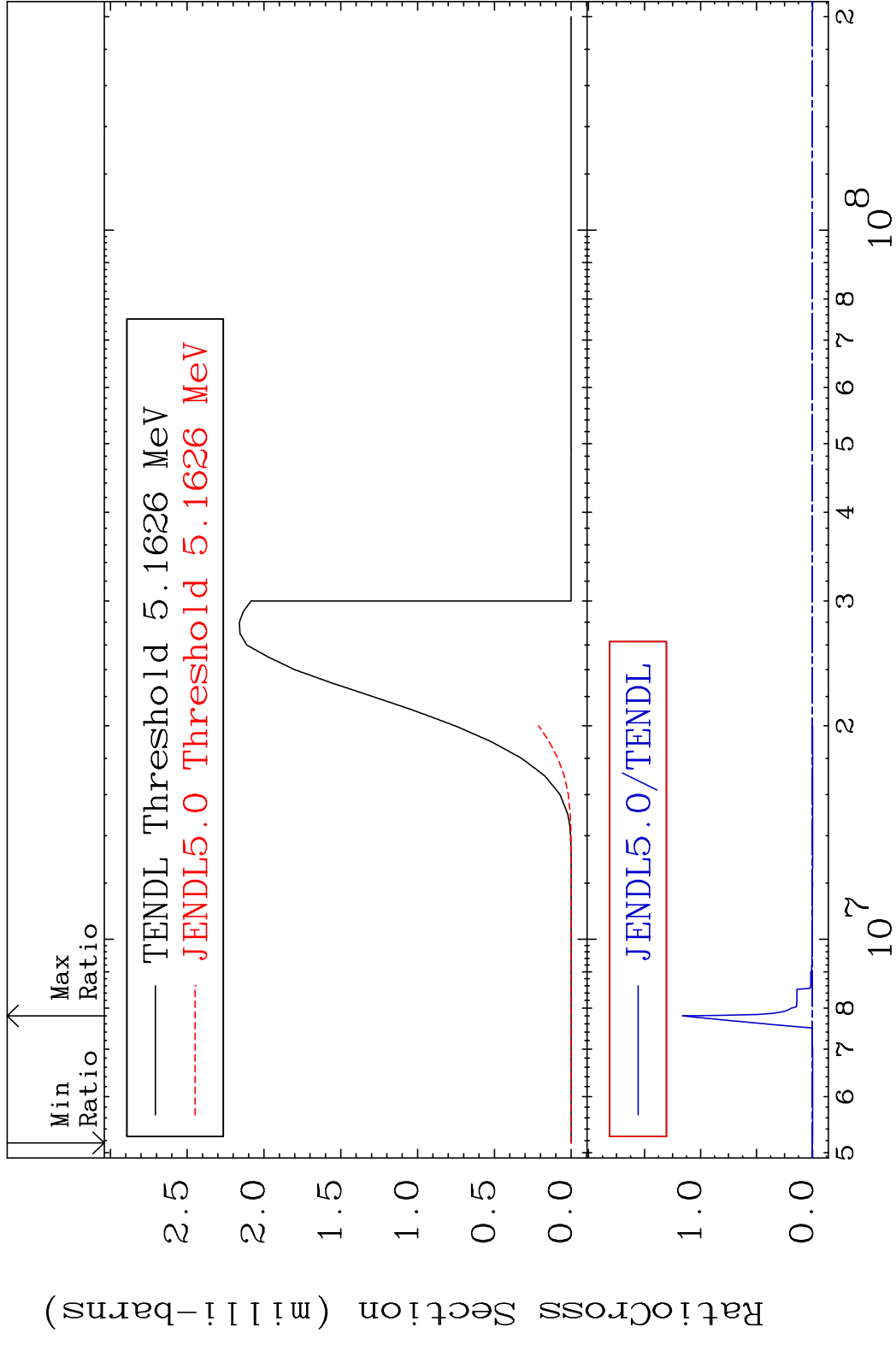


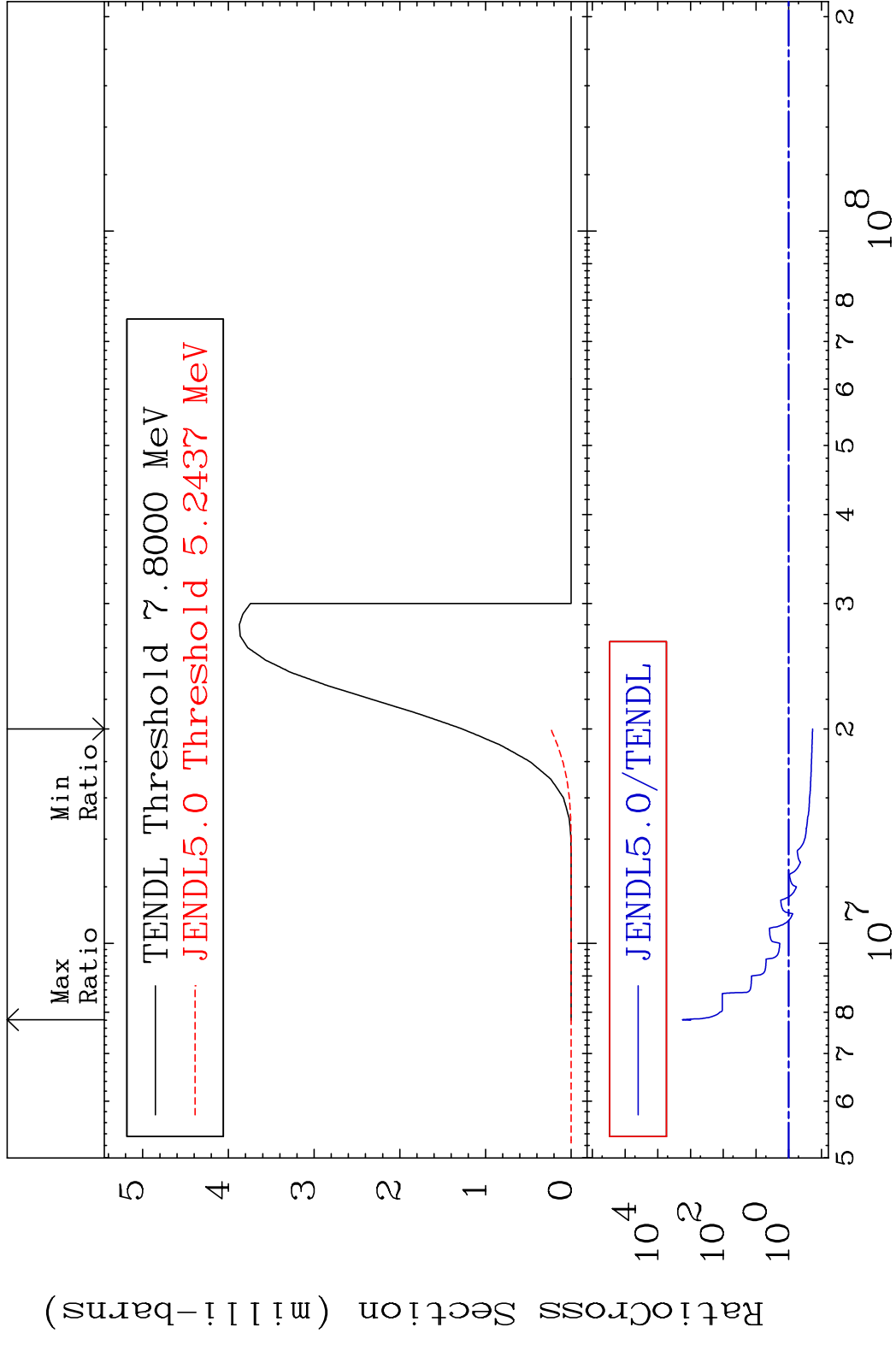




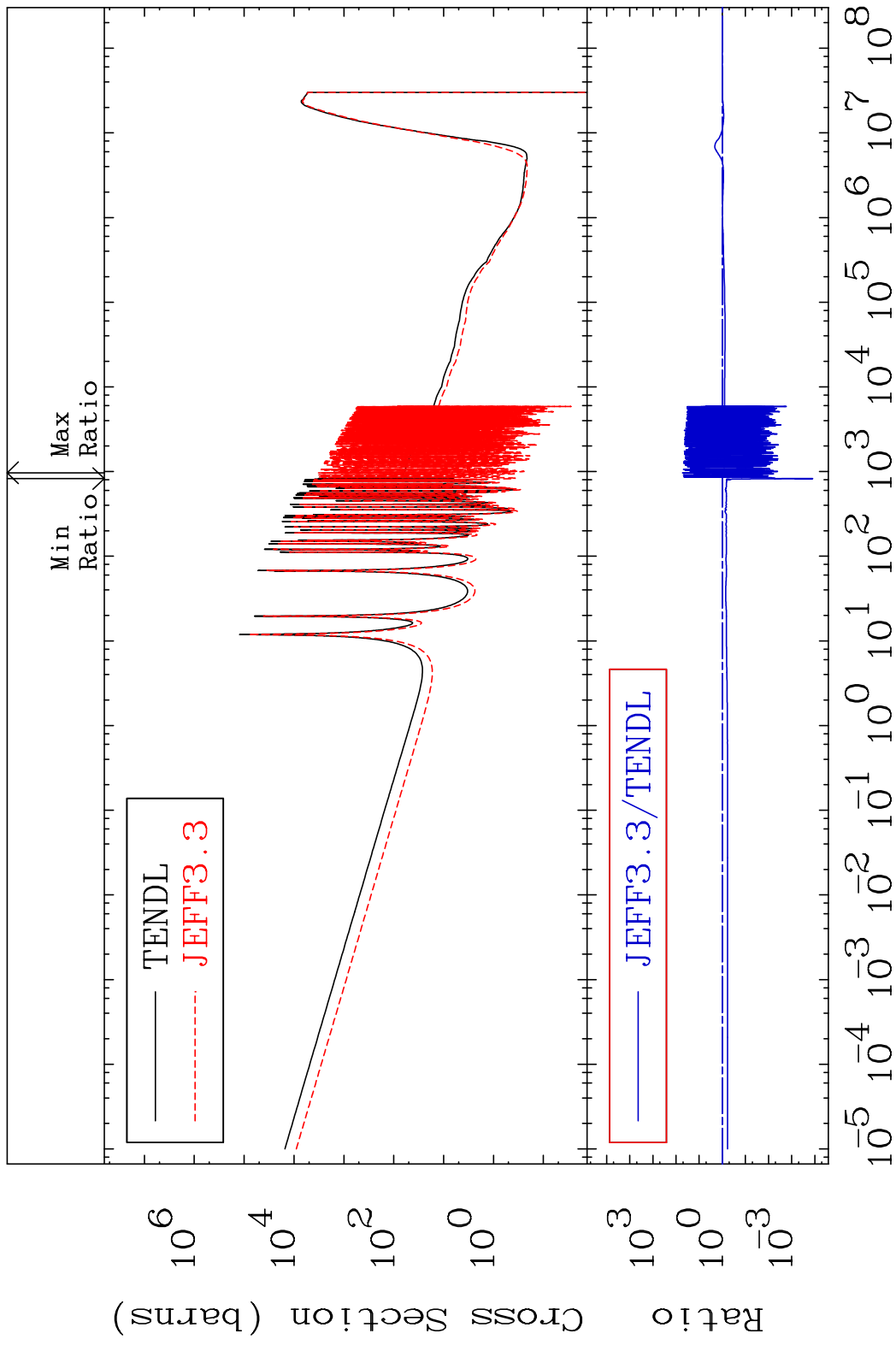
MAT 7840 (n,d):77-Ir-194g 78-Pt-195
 Radionuclide Production Cross Section 100.00 to 9999.00 %

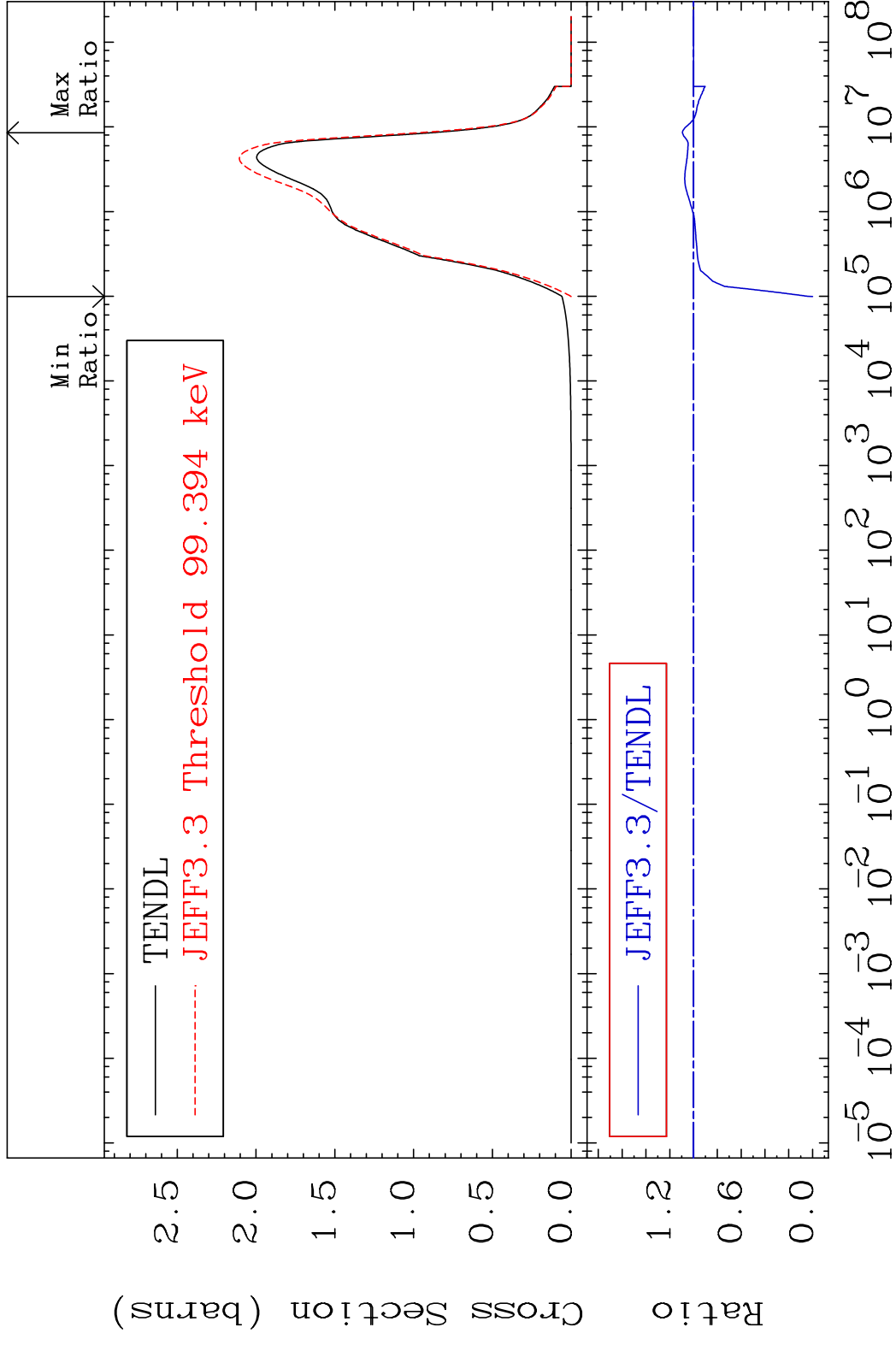


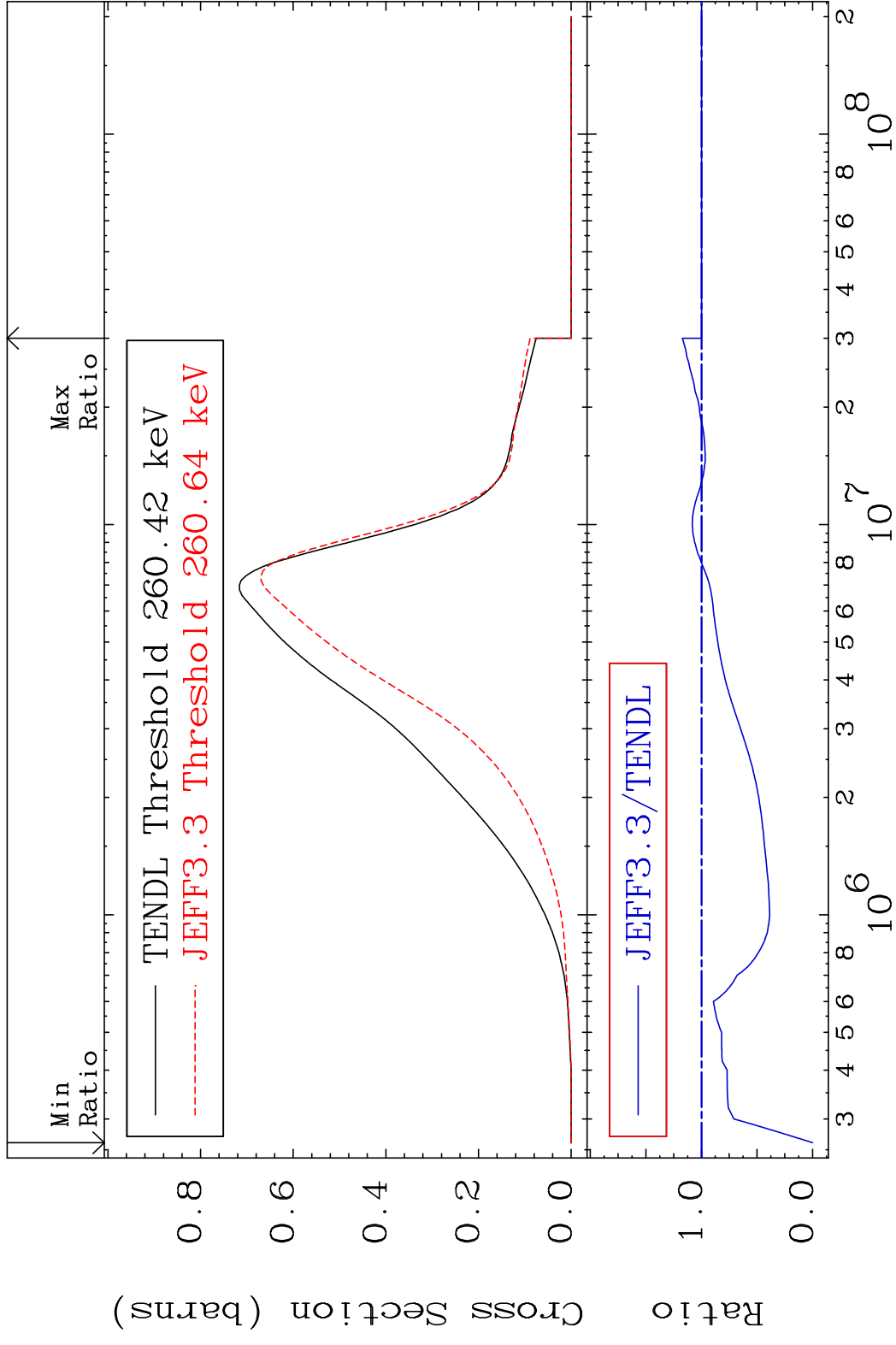




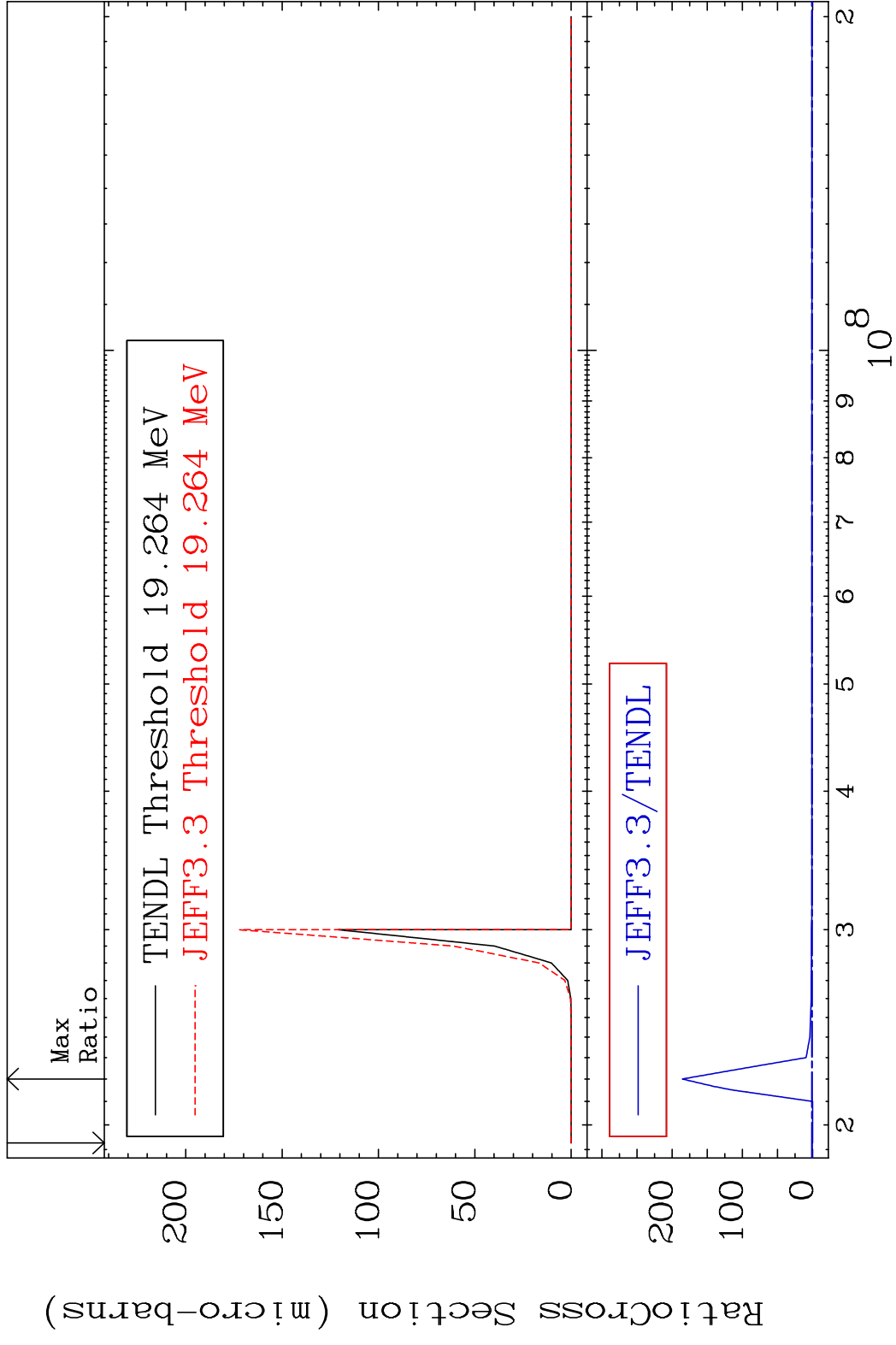
MAT 7840 Dpa disappearance (mt102 -120) 78-Pt-195
 Cross Section -99.99 To 5213. %



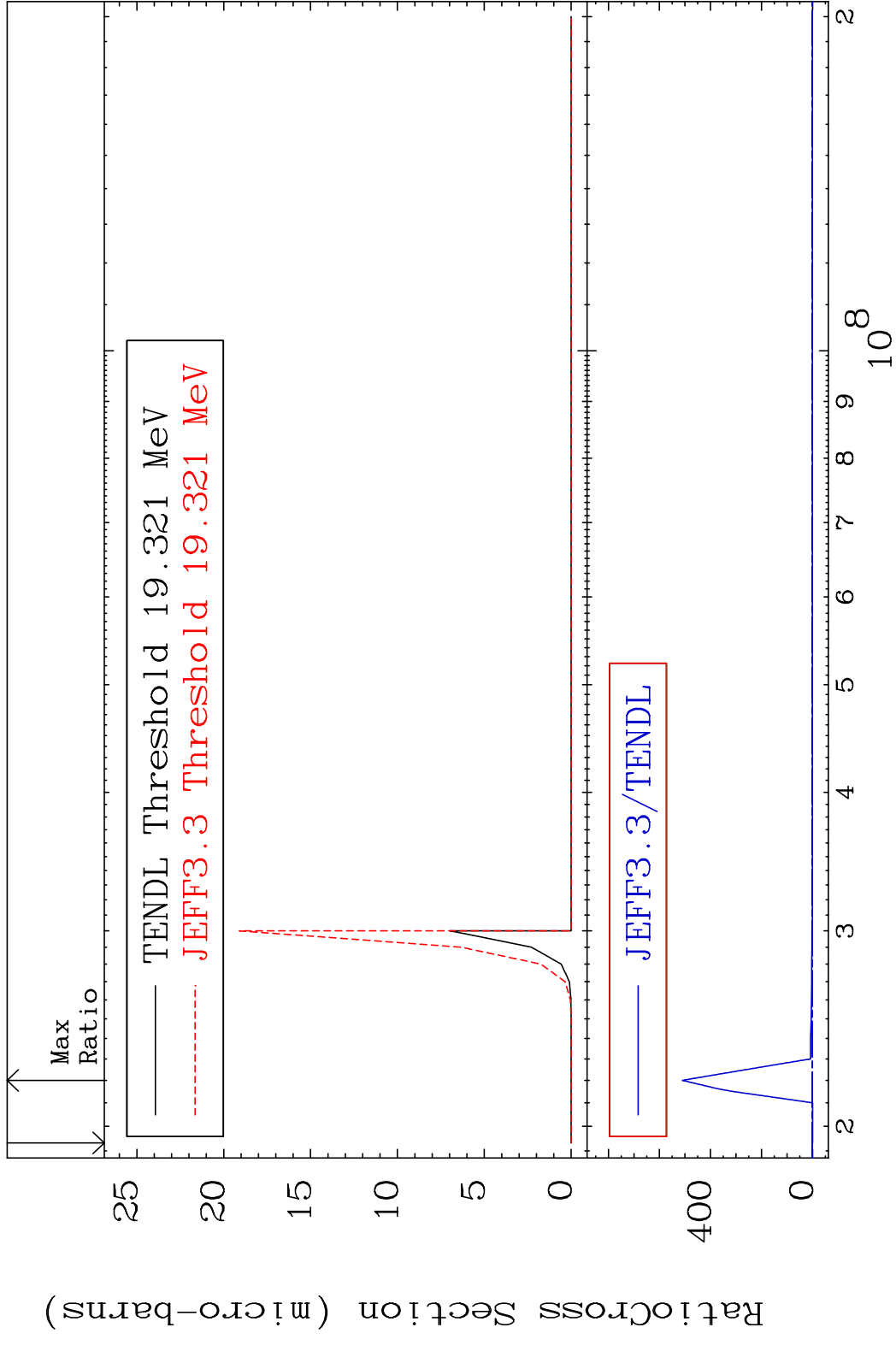


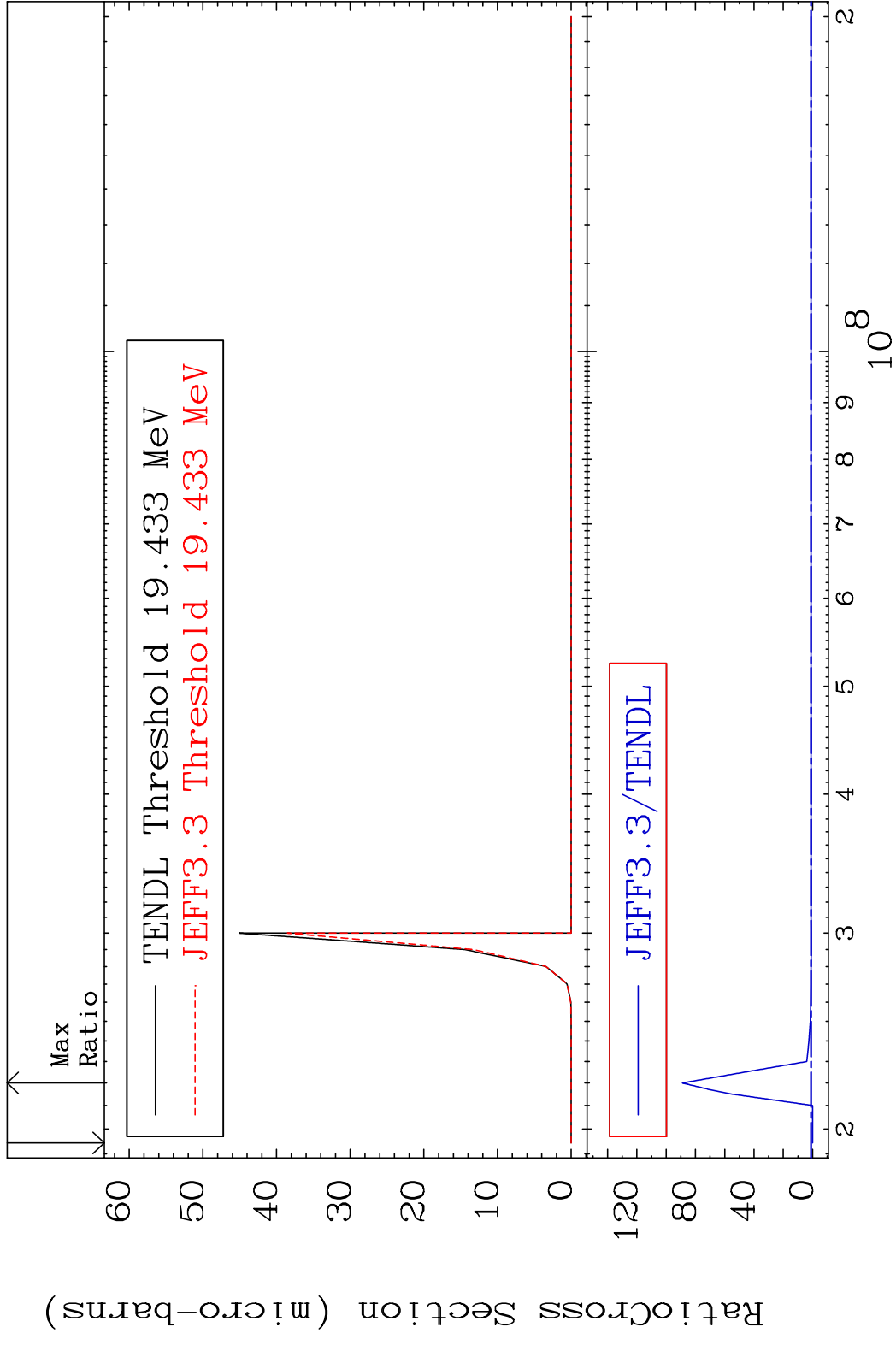


MAT 7840 (n,2n) d:77-Ir-192g 78-Pt-195
 Radionuclide Production Cross Section 180.01 dth 9999. %

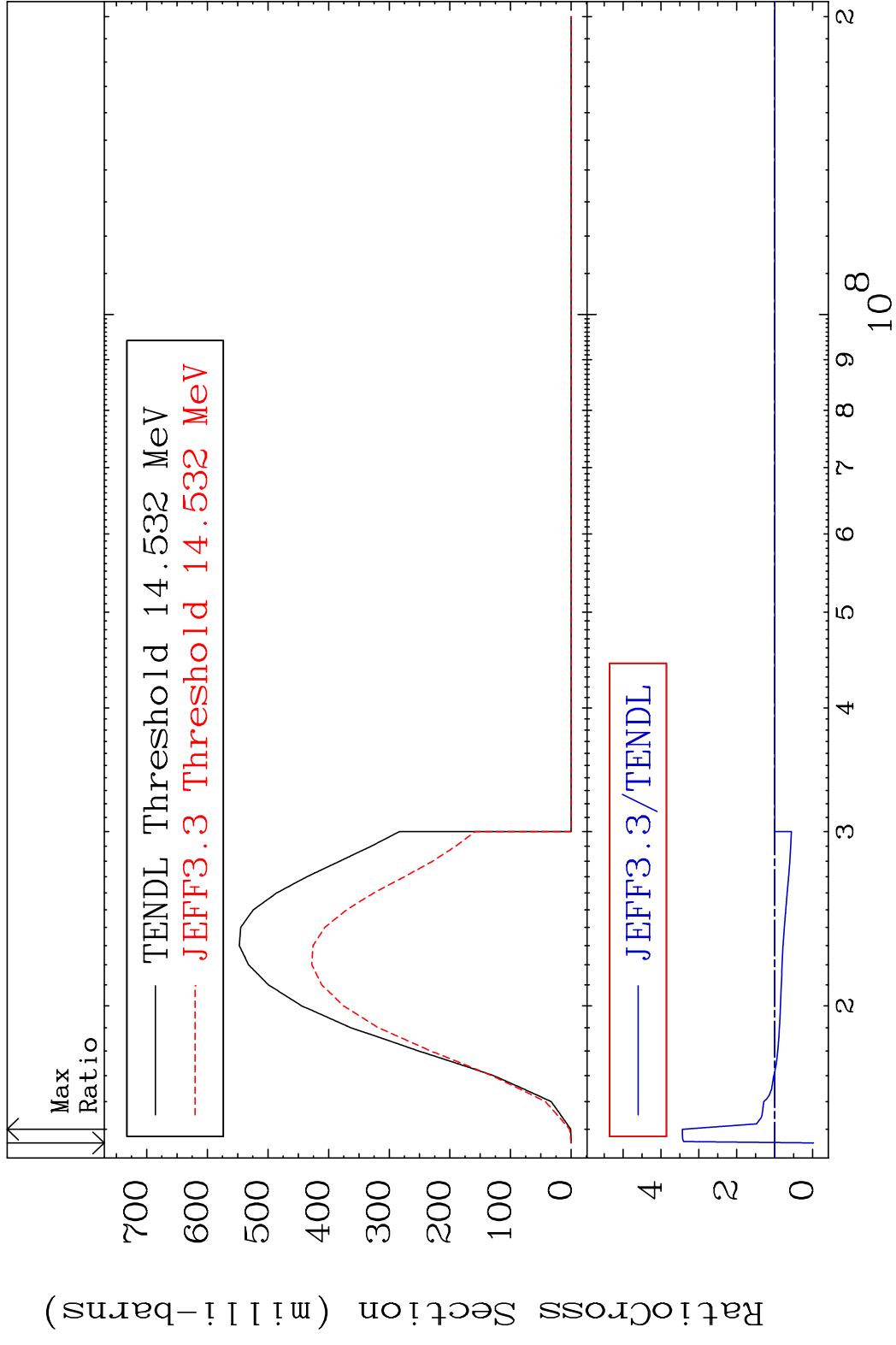


70 Incident Energy (eV) 78-Pt-195

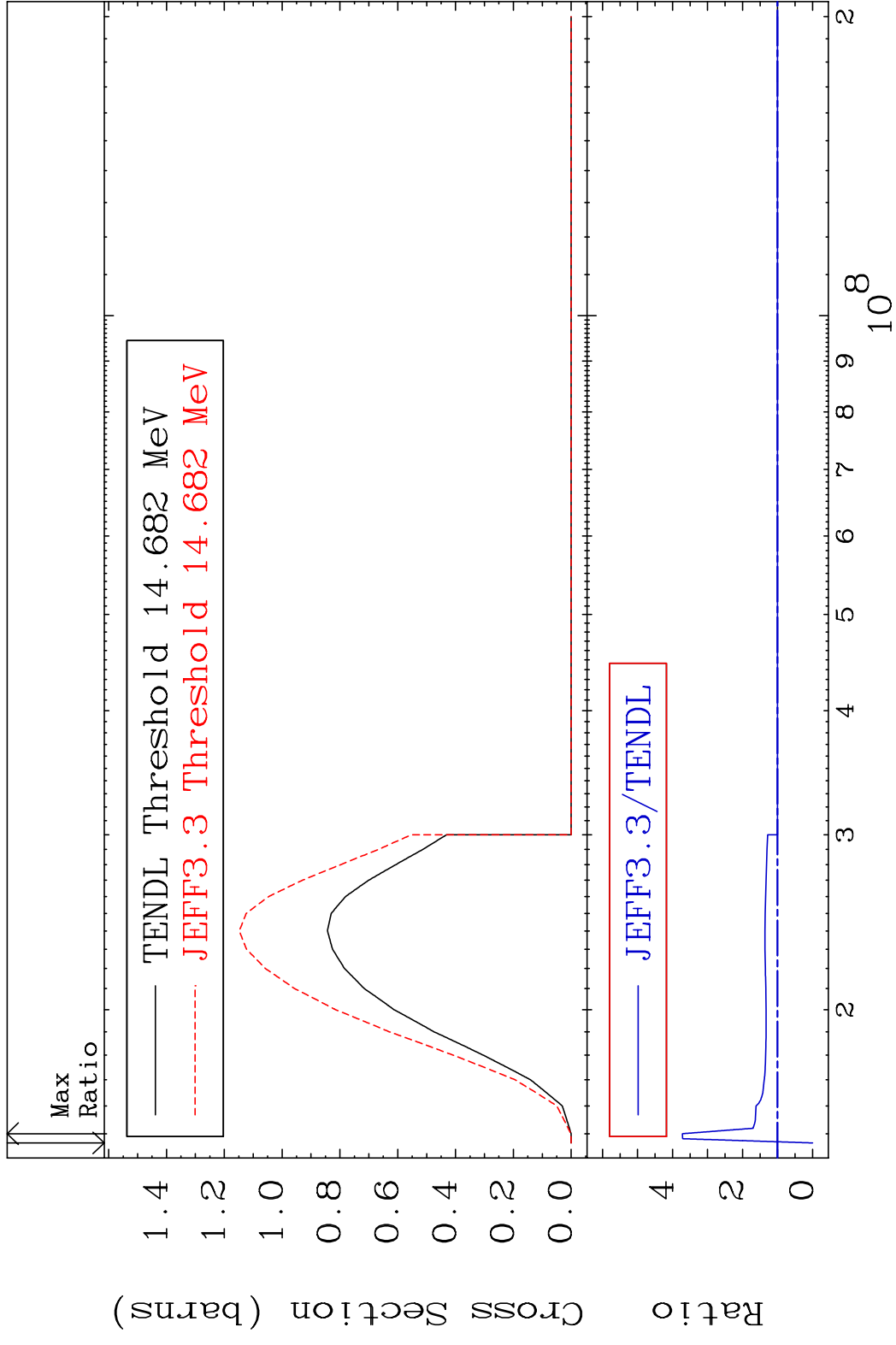




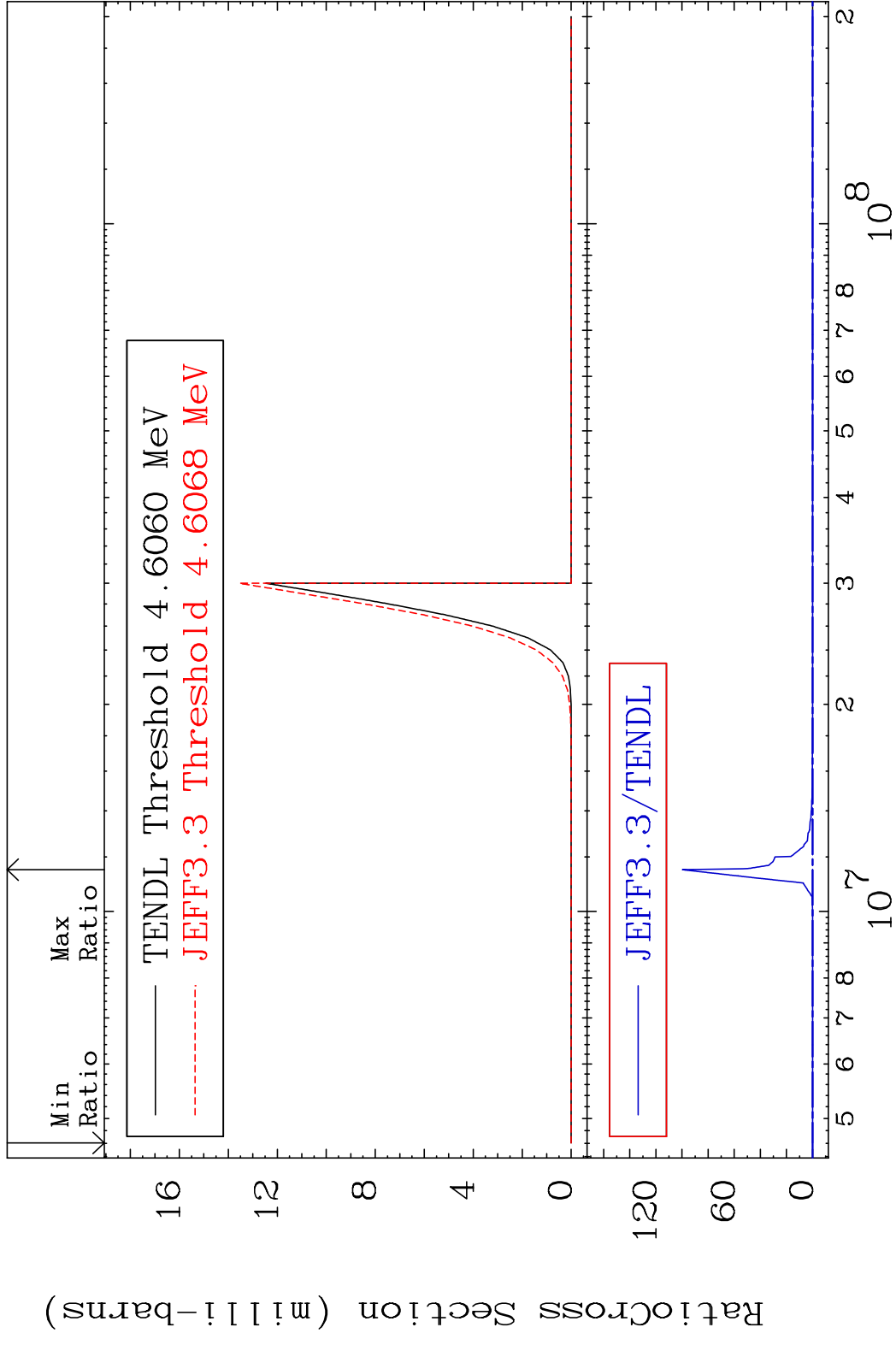
MAT 7840 (n,3n):78-Pt-193g 78-Pt-195
 Radionuclide Production Cross Section 180.01 dth 243.5 %



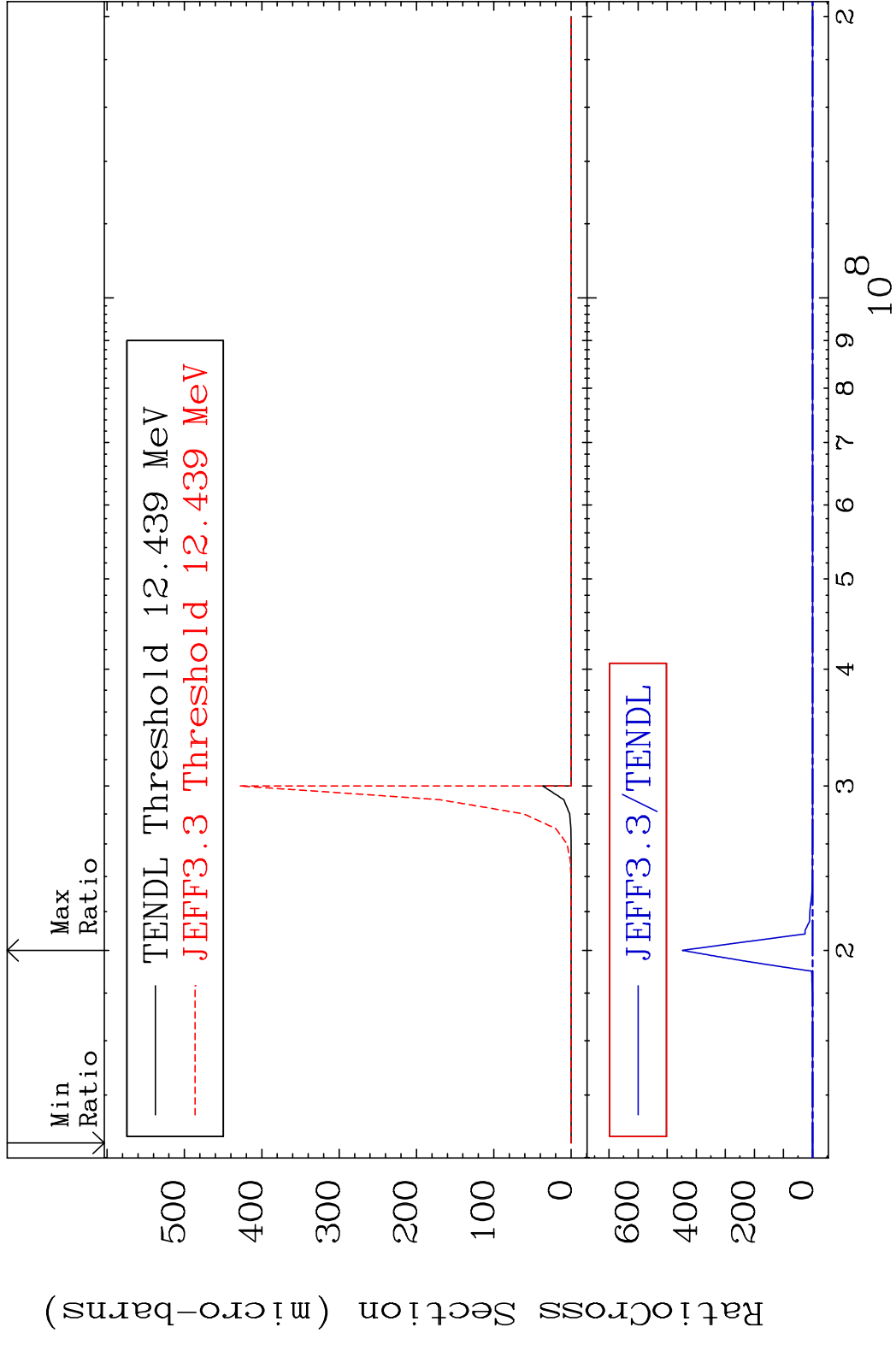
MAT 7840 (n, 3n): 78-Pt-193m5 78-Pt-195
 Radionuclide Production Cross Section Ratio 272.0 %

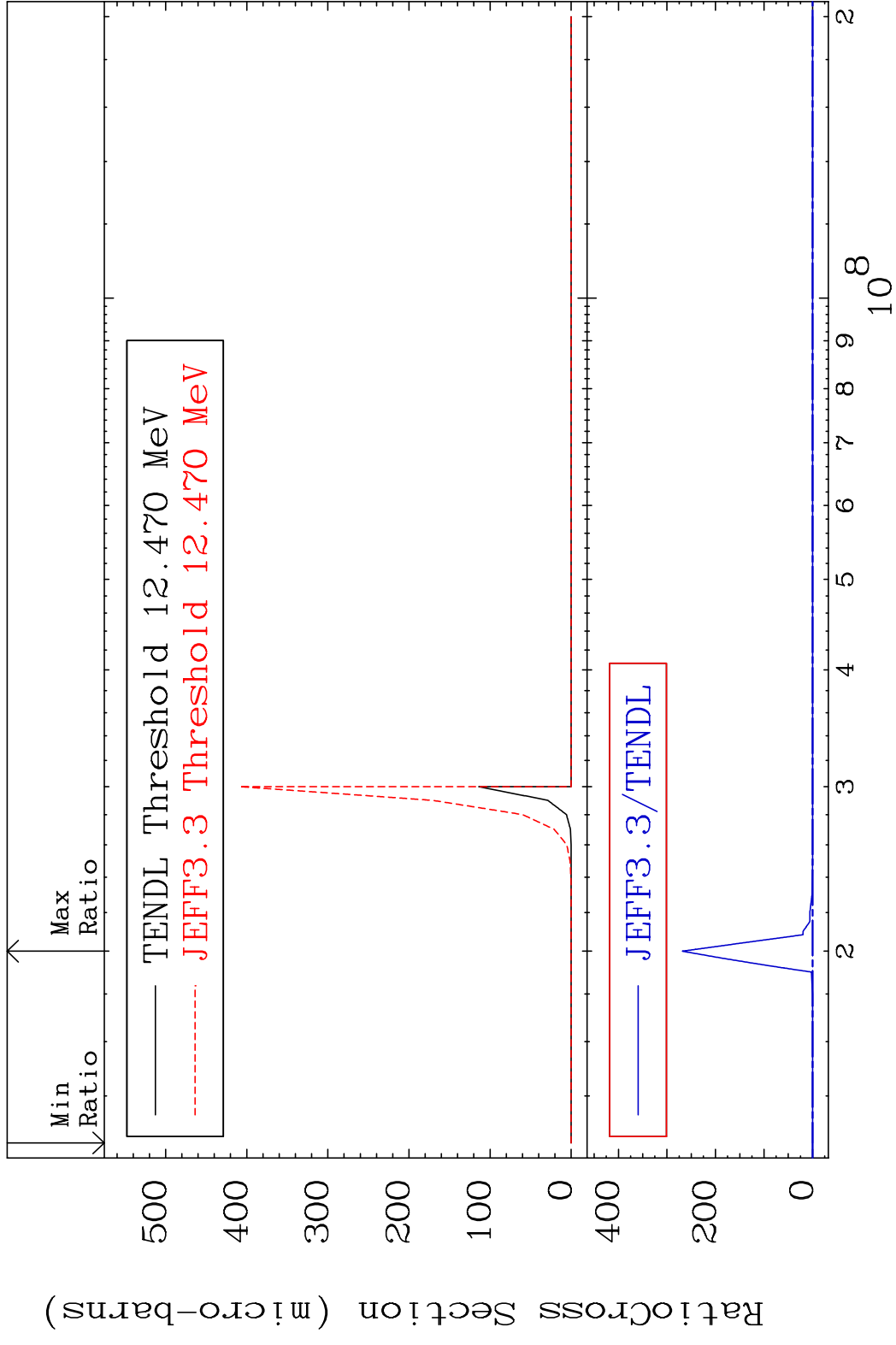


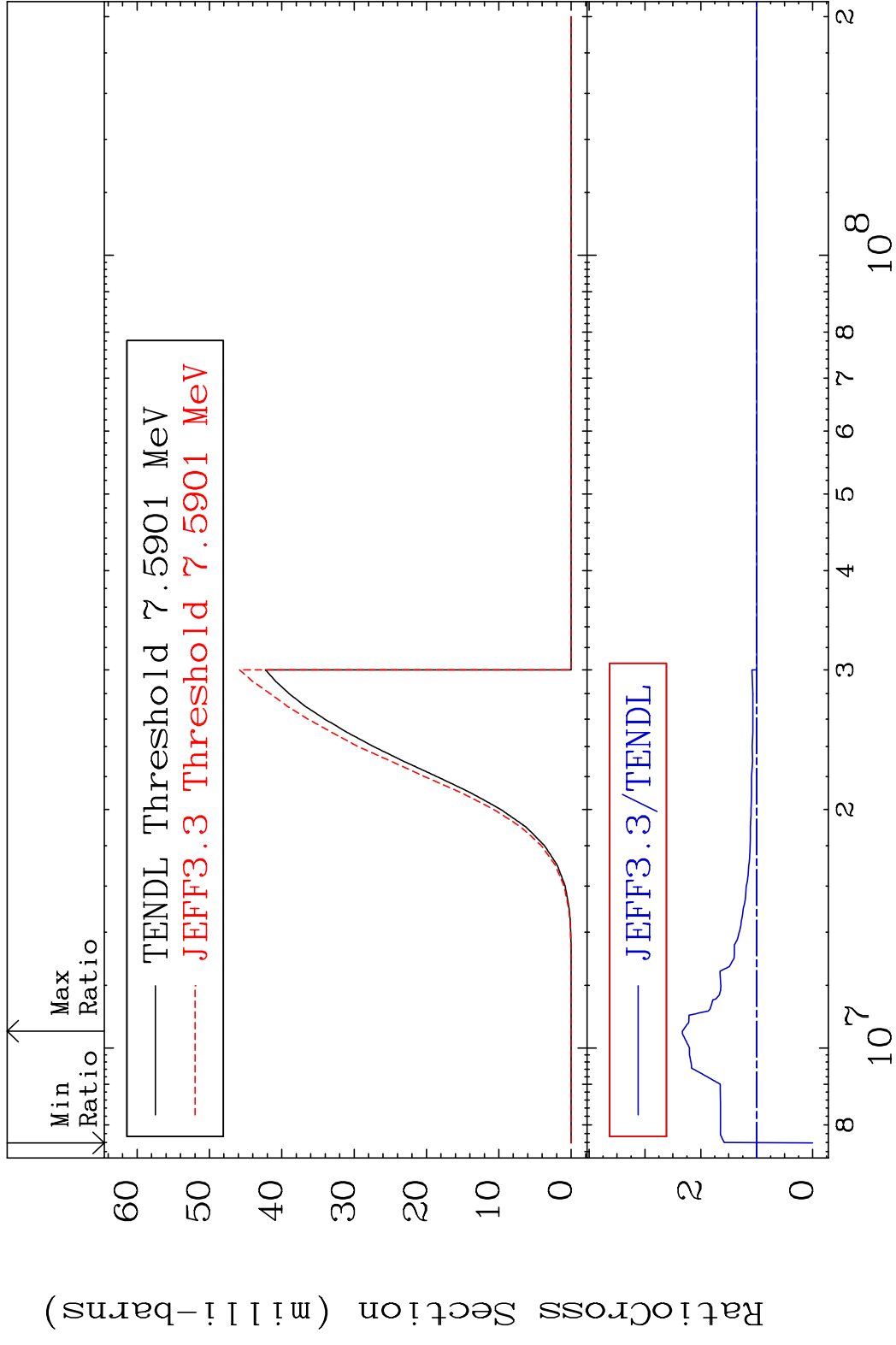
MAT 7840 (n,2n) α :76-0s-190g 78-Pt-195
 Radionuclide Production Cross Section Ratio 9999. %

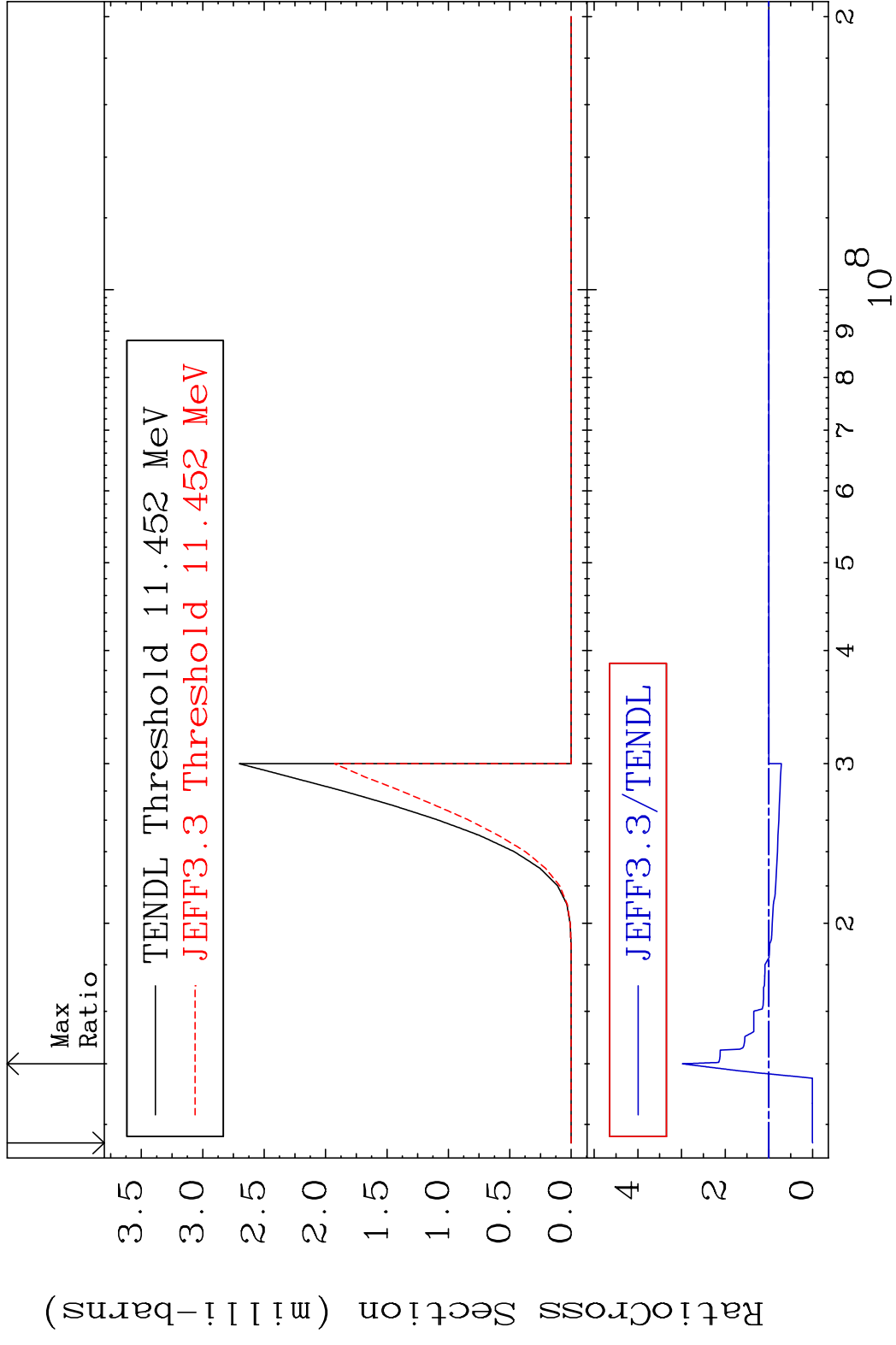


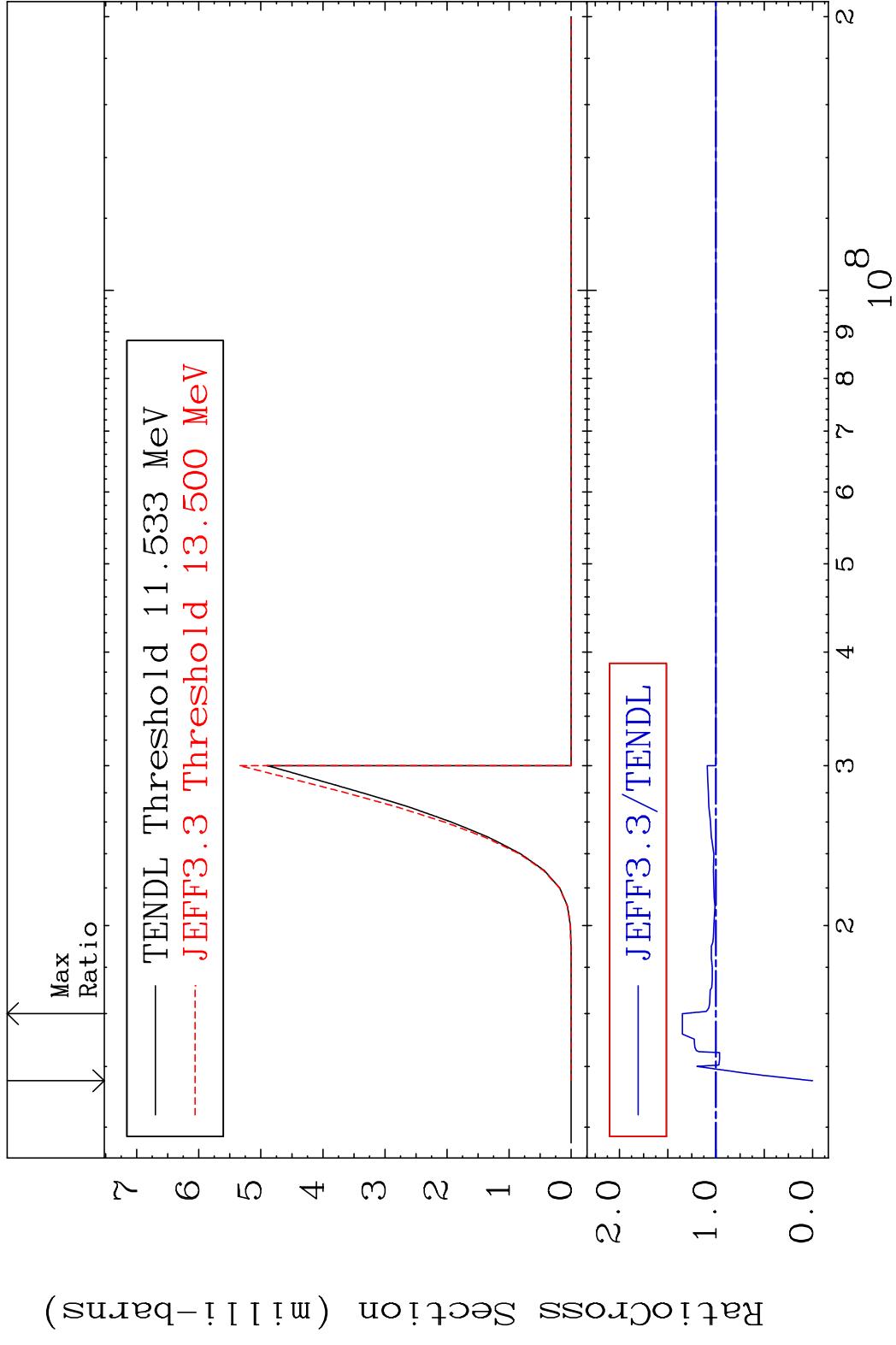
75 Incident Energy (eV) 78-Pt-195



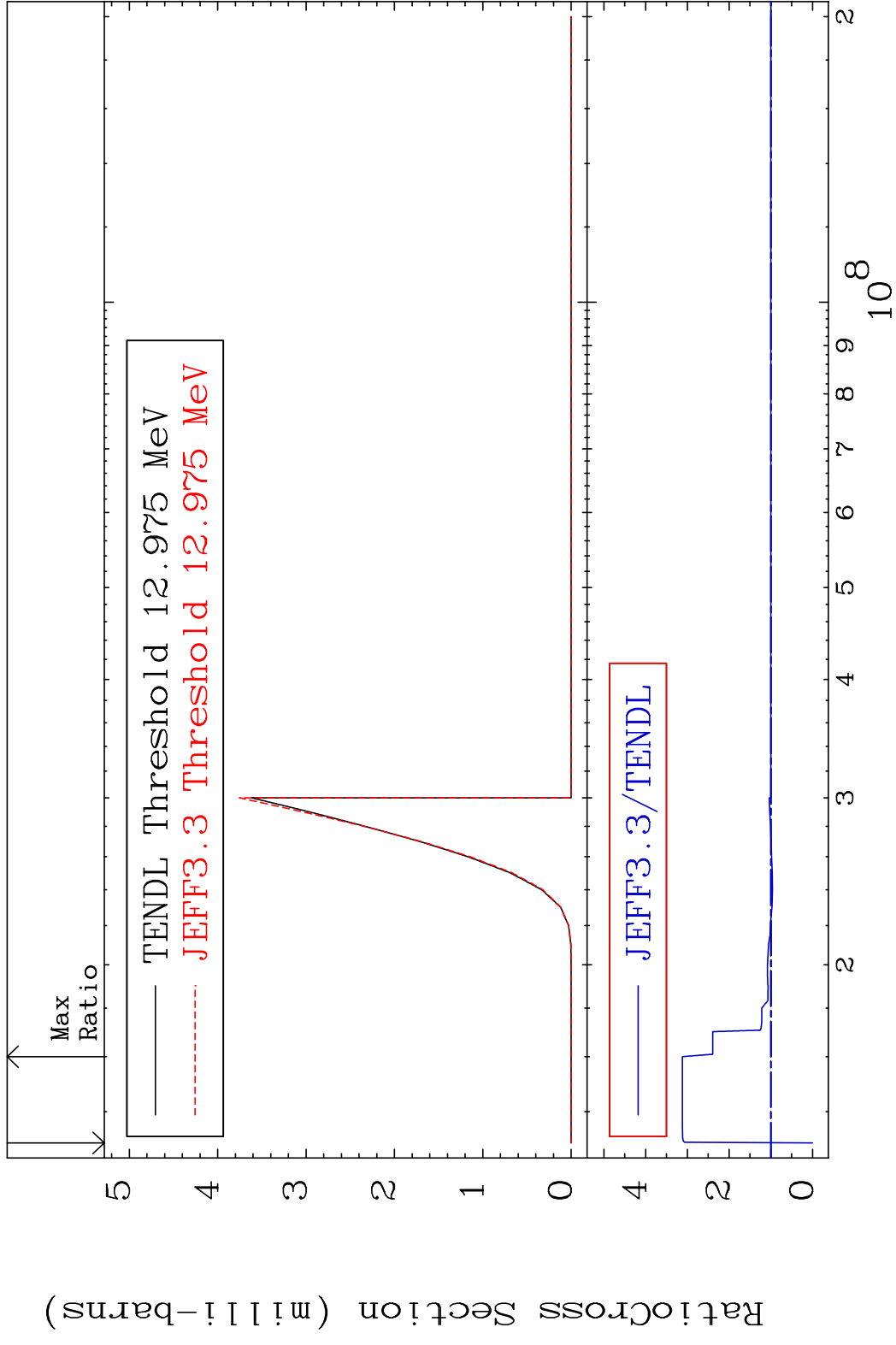




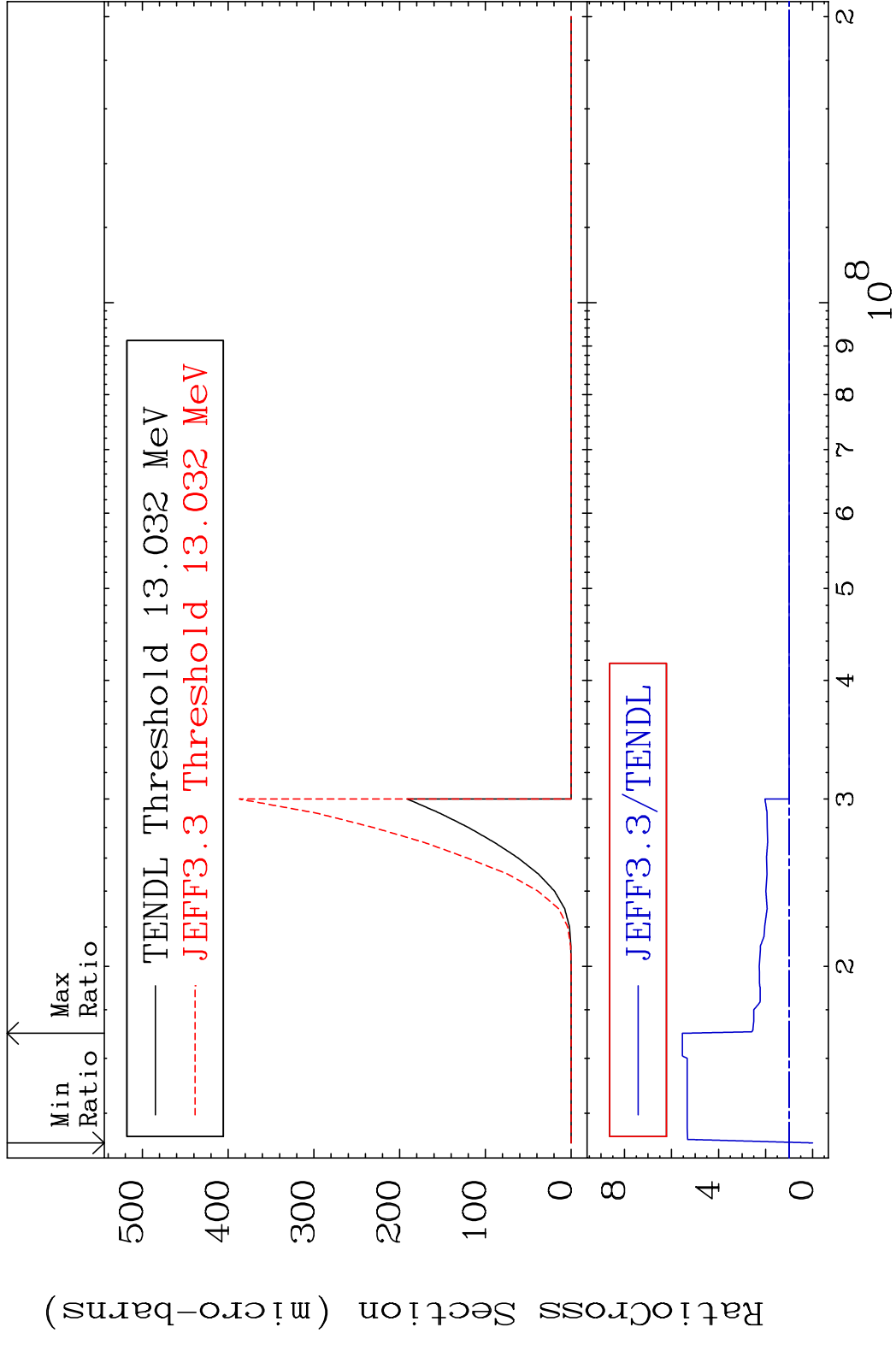




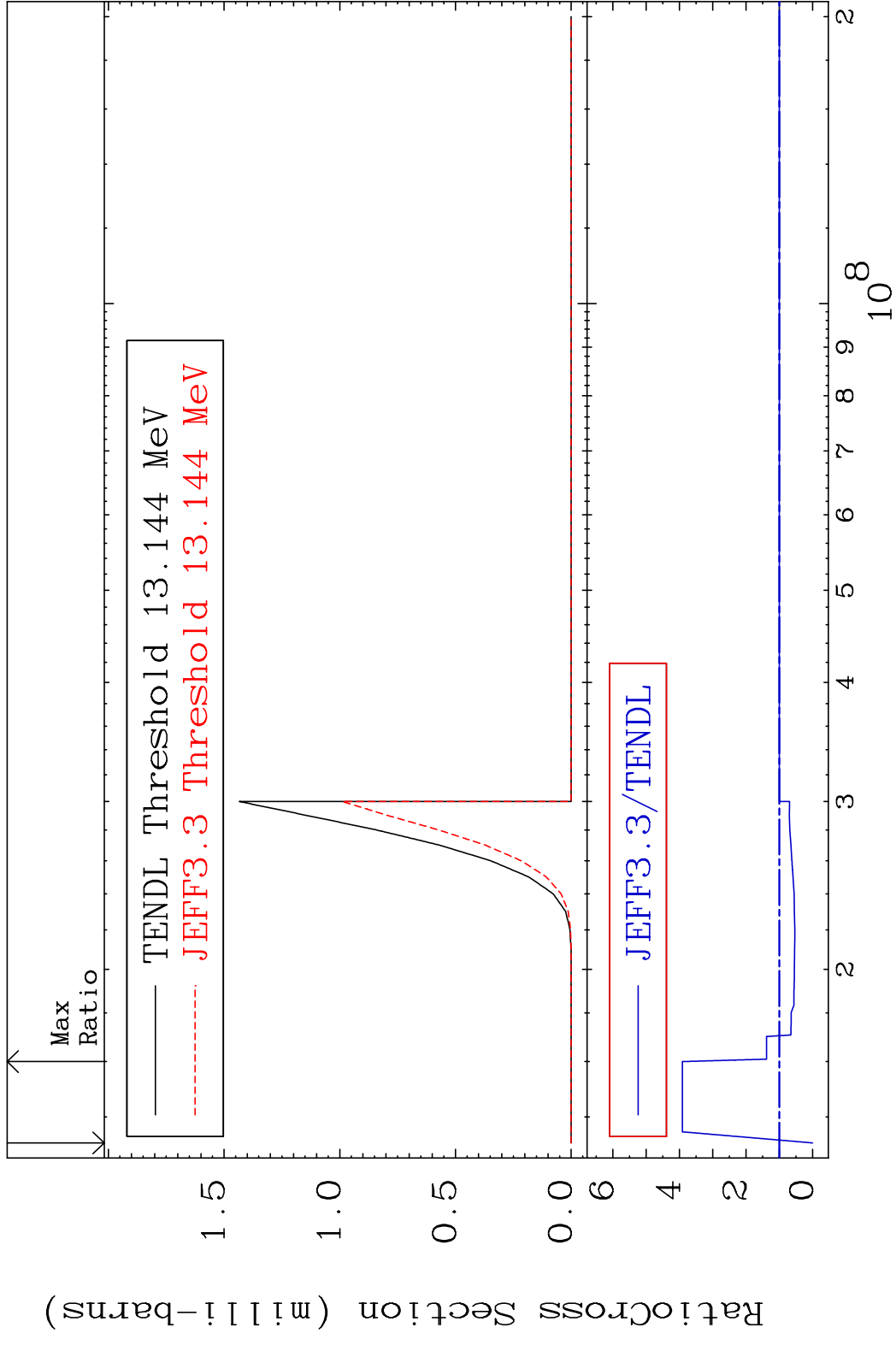
MAT 7840 (n, n') t:77-Ir-192g 78-Pt-195
 Radionuclide Production Cross Section Ratio 212.0 %

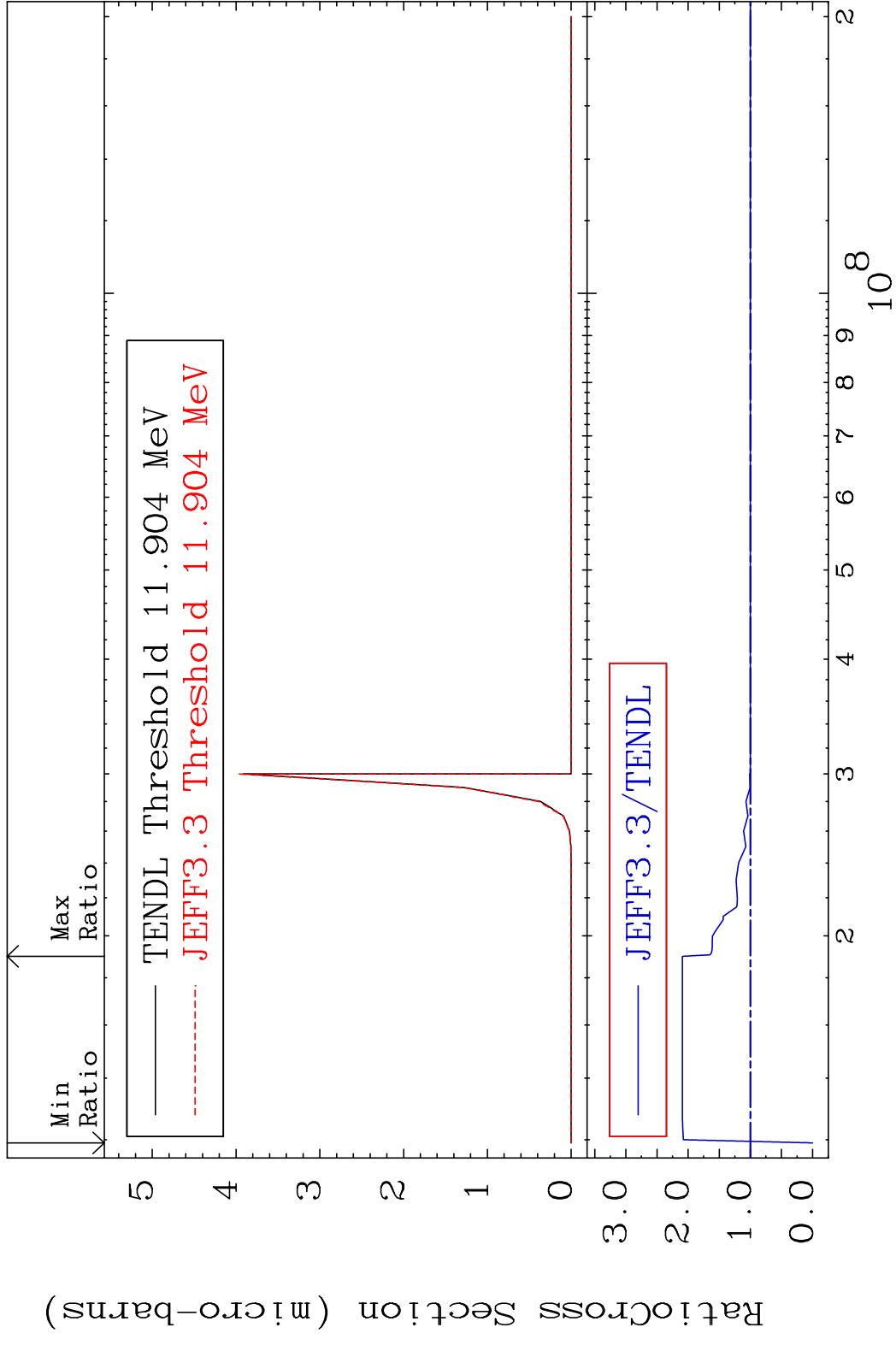


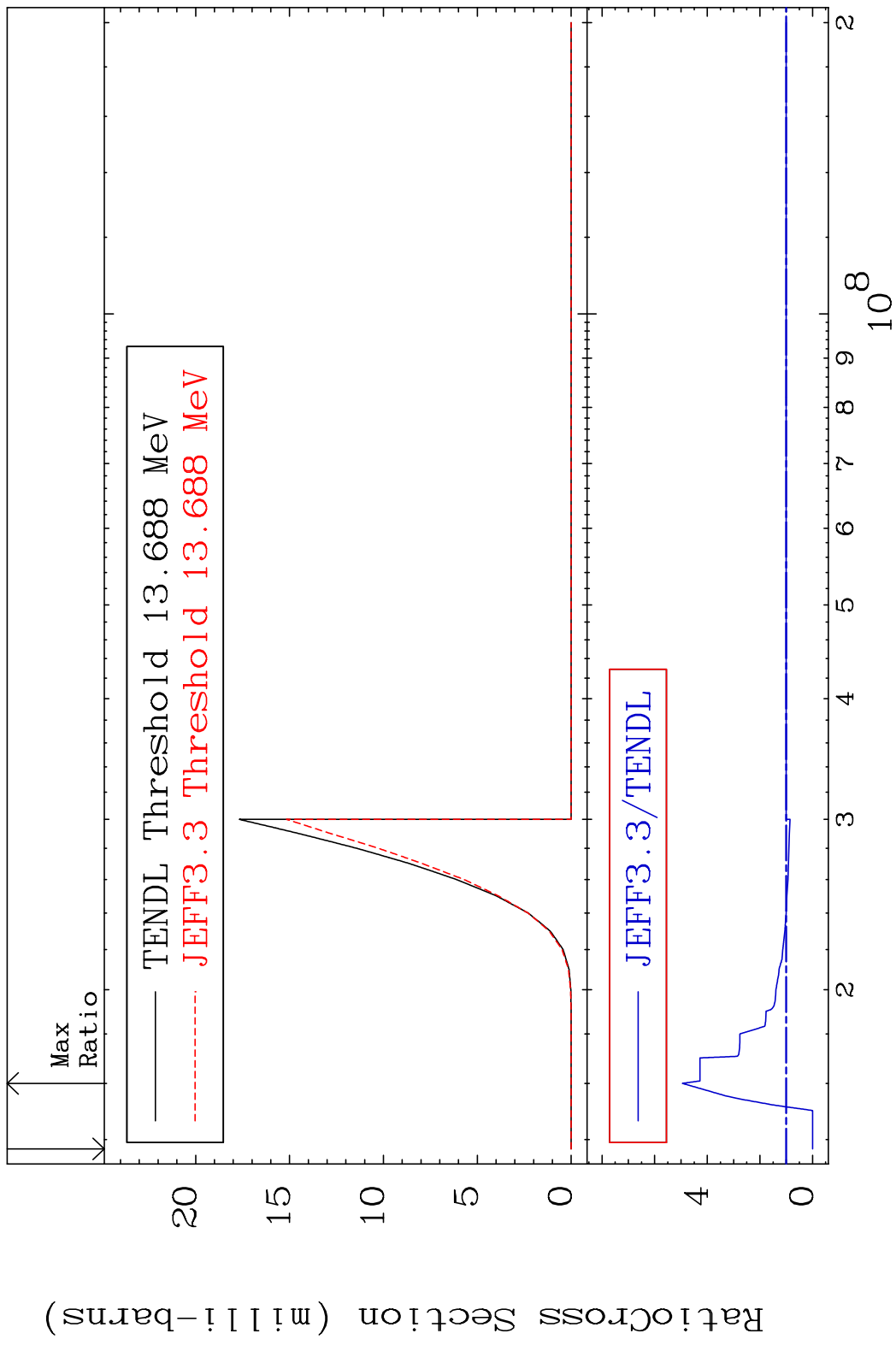
MAT 7840 (n, n') t:77-Ir-192m3 78-Pt-195
 Radionuclide Production Cross Section 180.0 dth 454.0 %

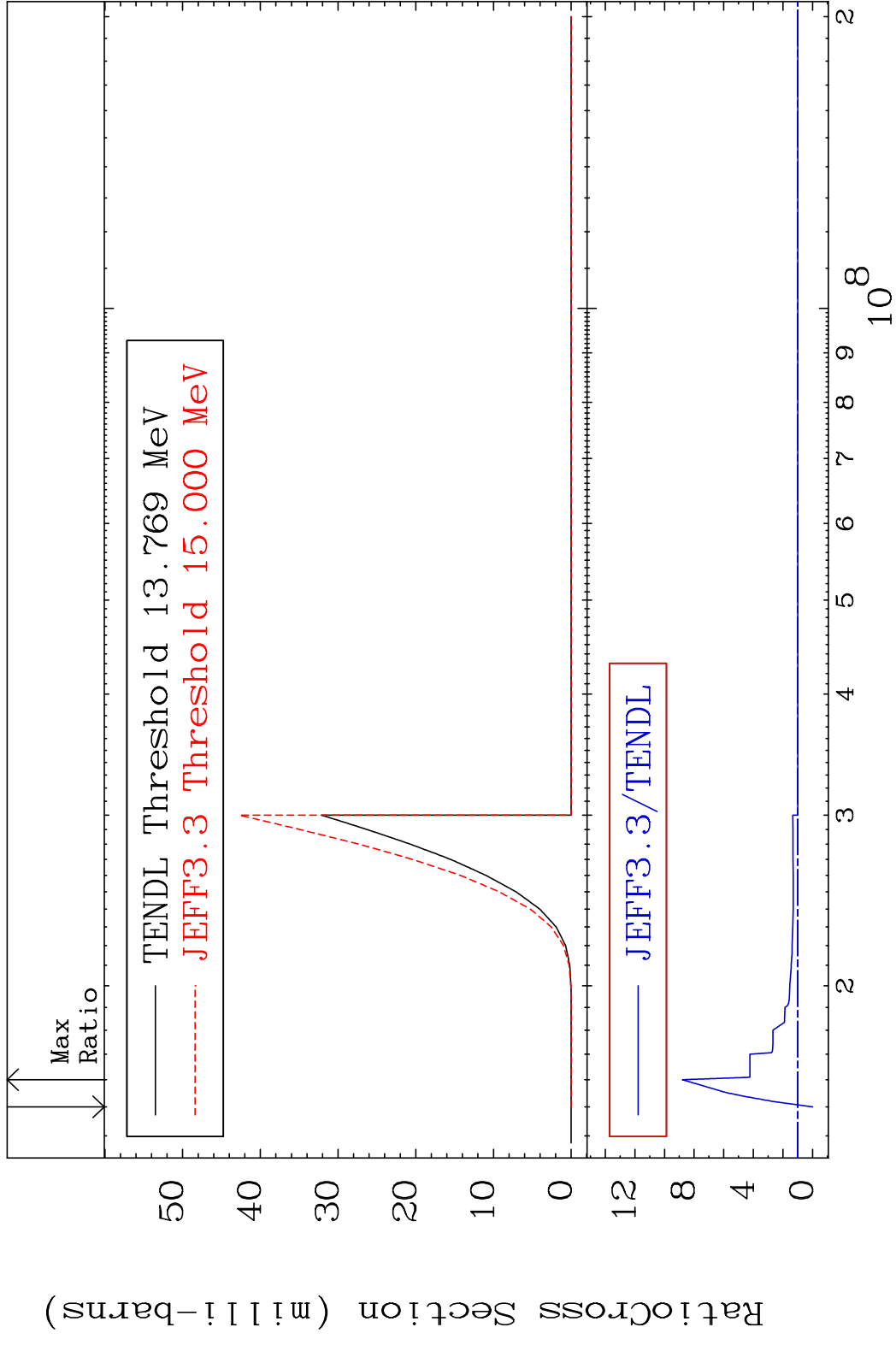


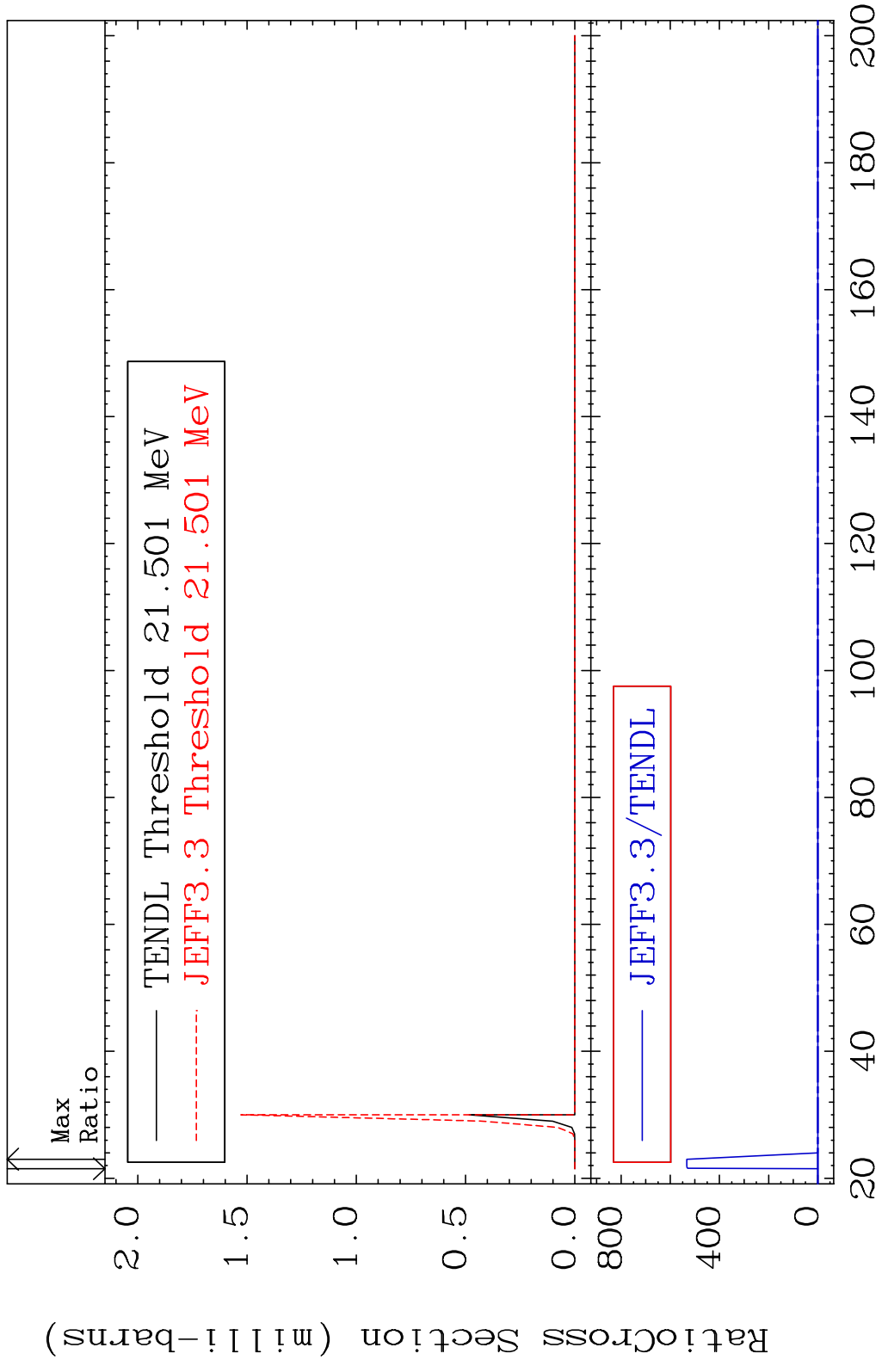
MAT 7840 (n, n') t:77-Ir-192m15 78-Pt-195
 Radionuclide Production Cross Section Ratio 291.0 %

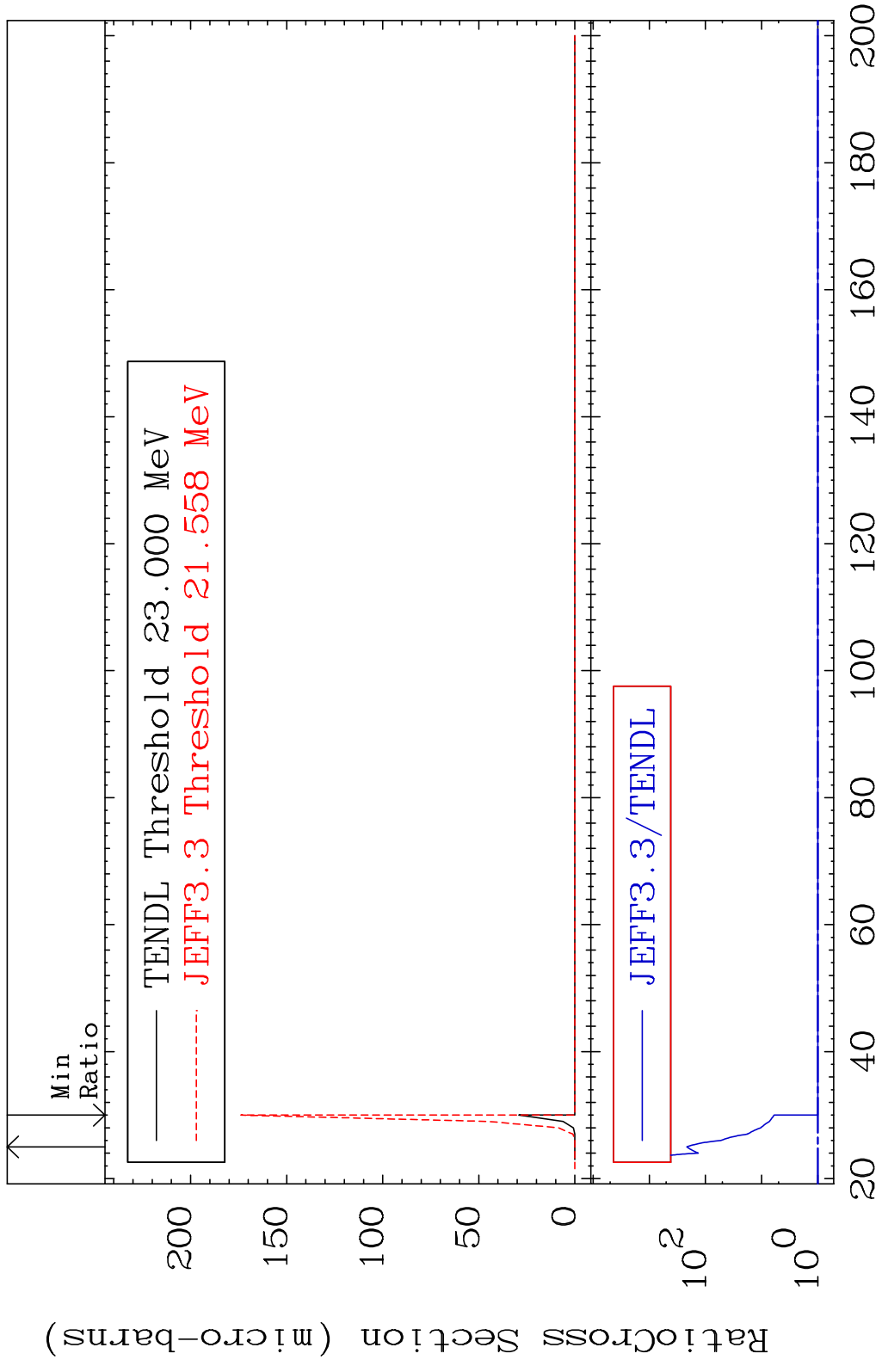


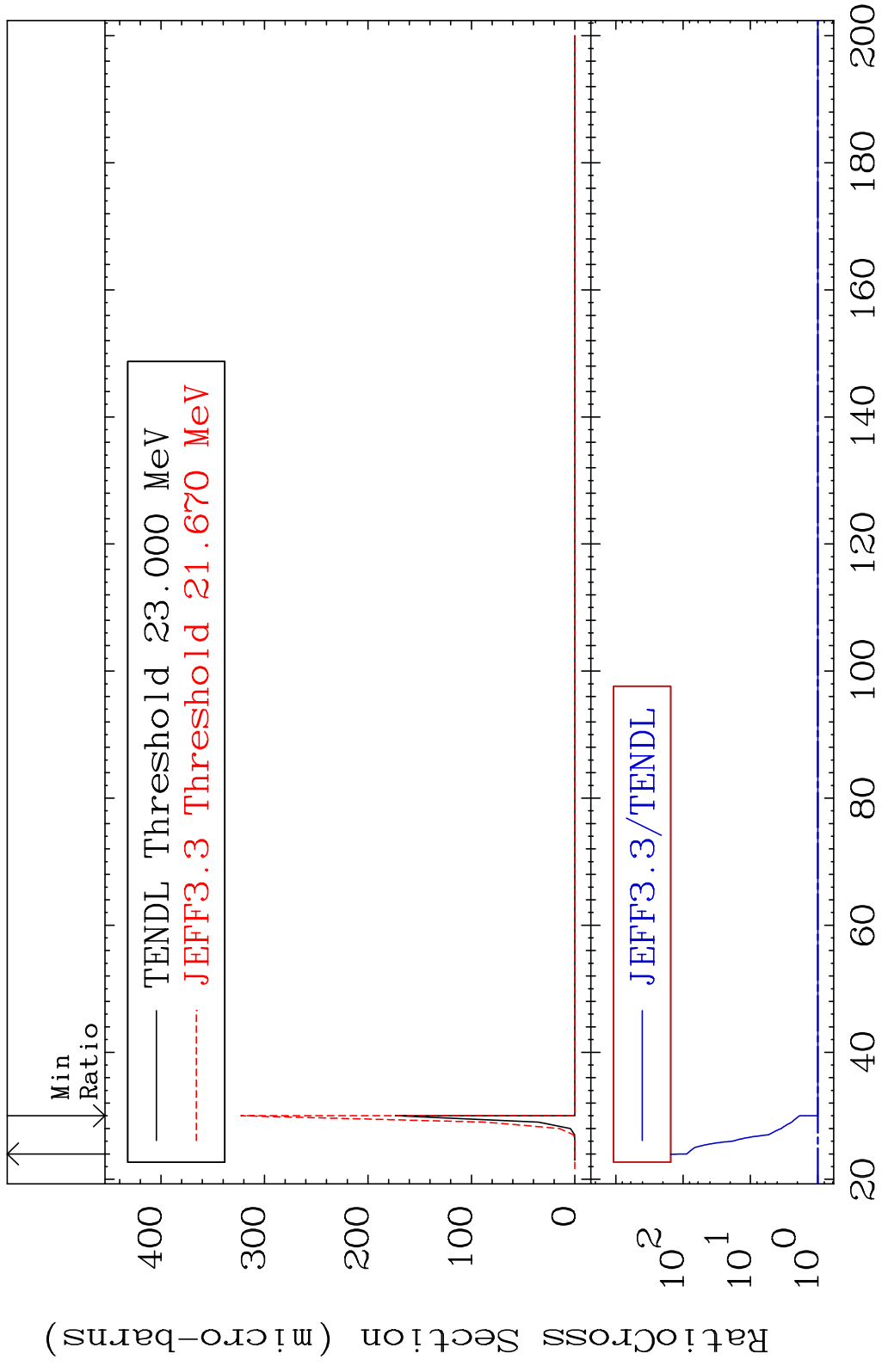


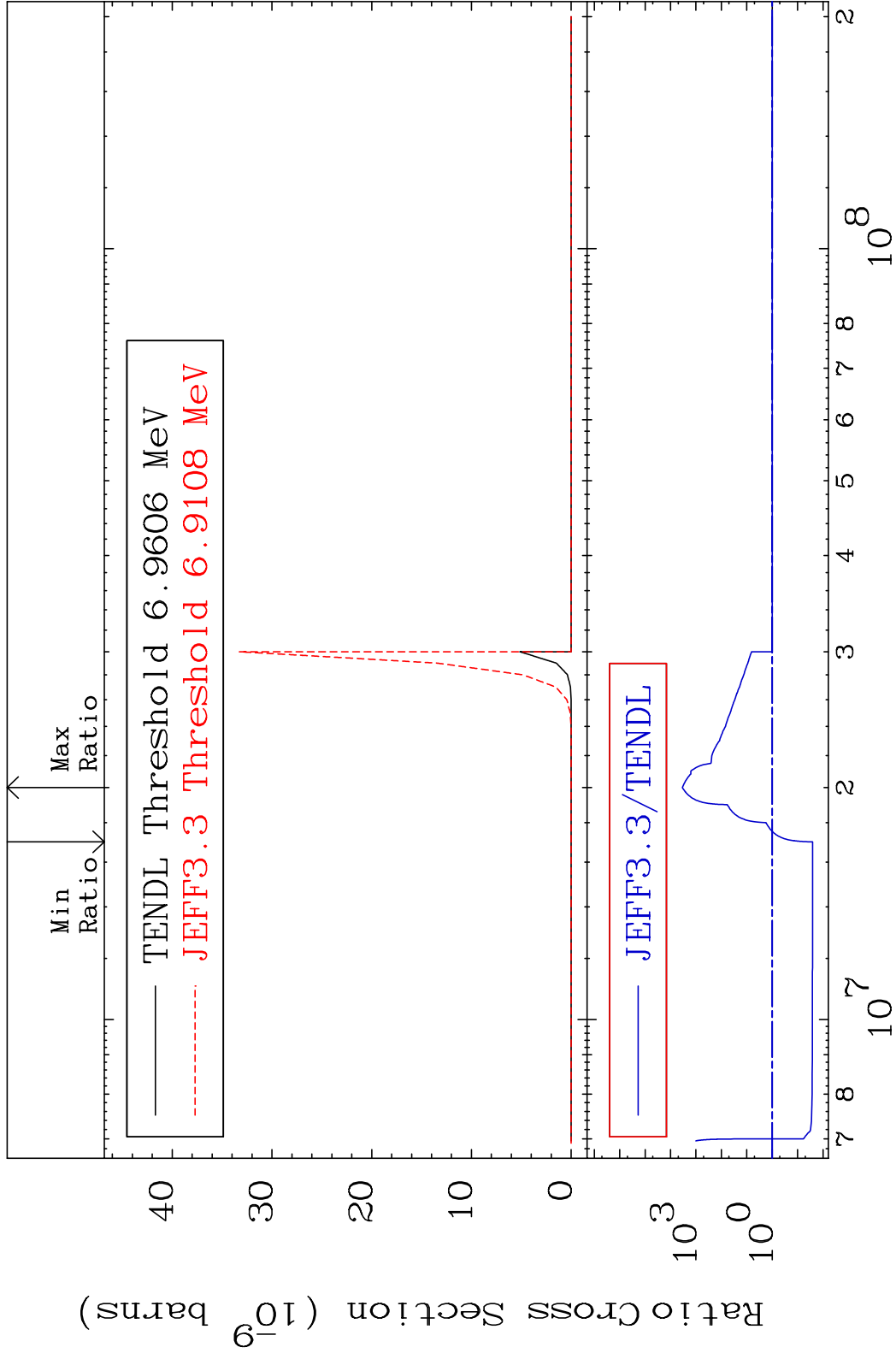


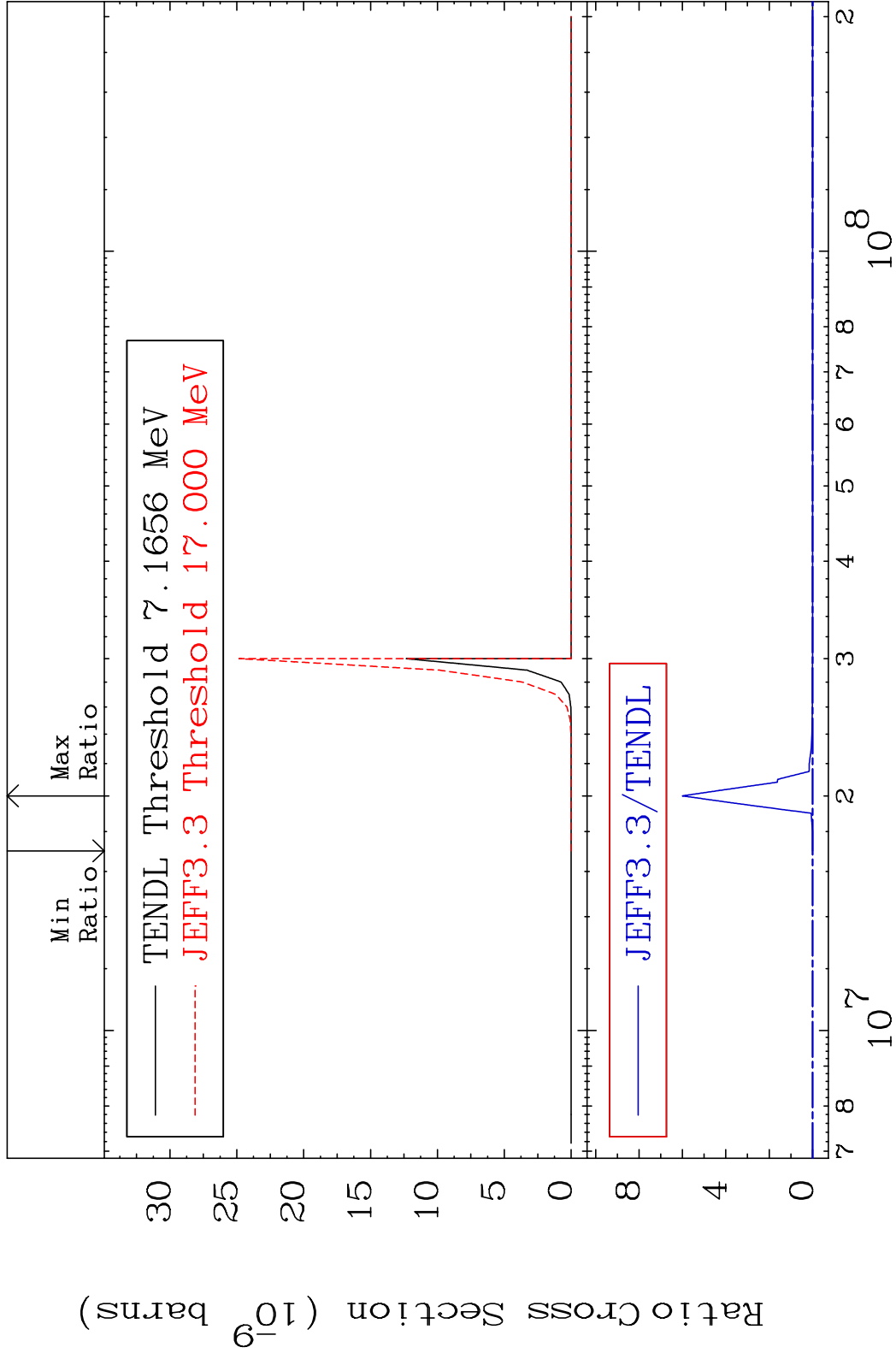


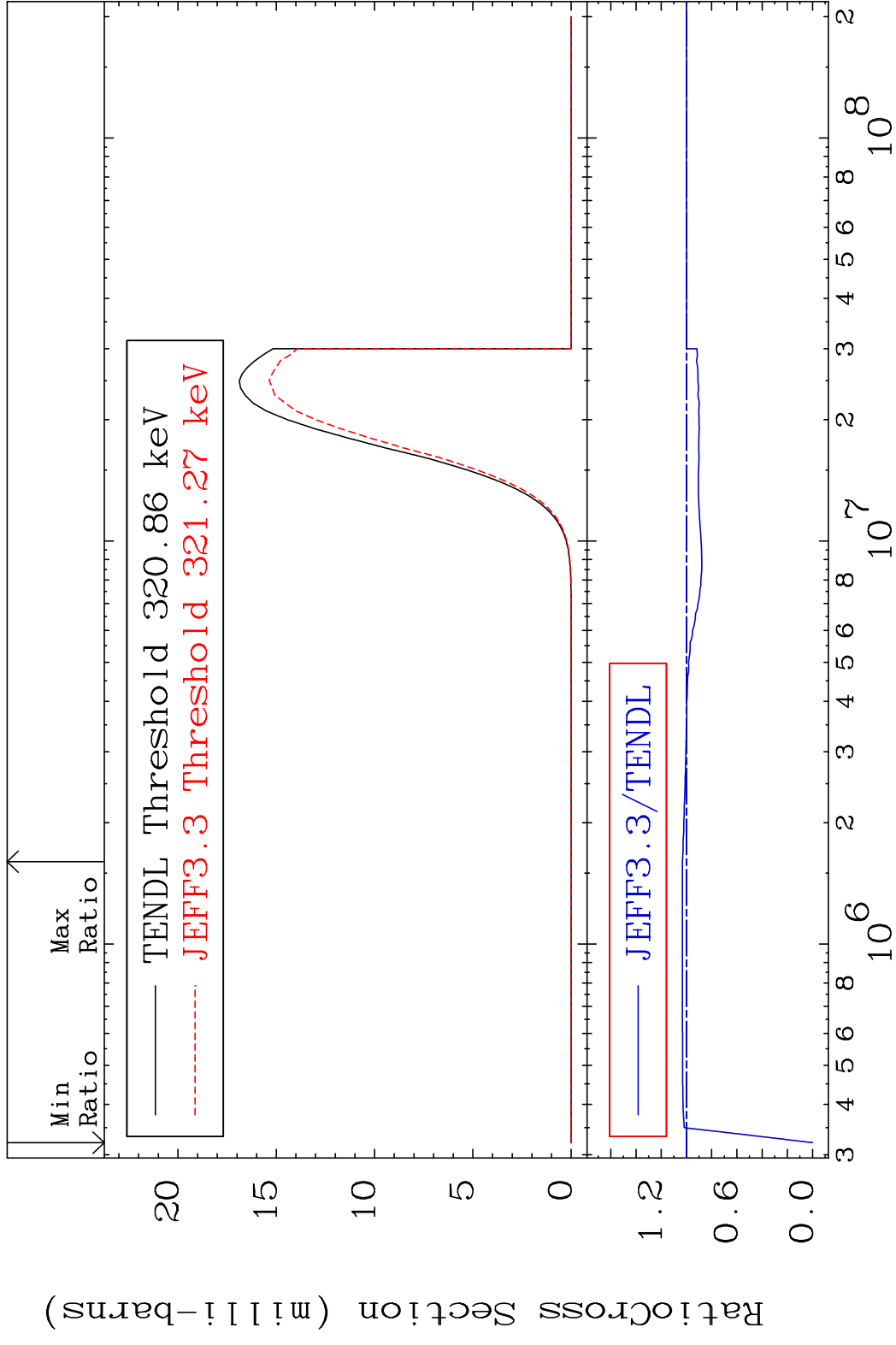


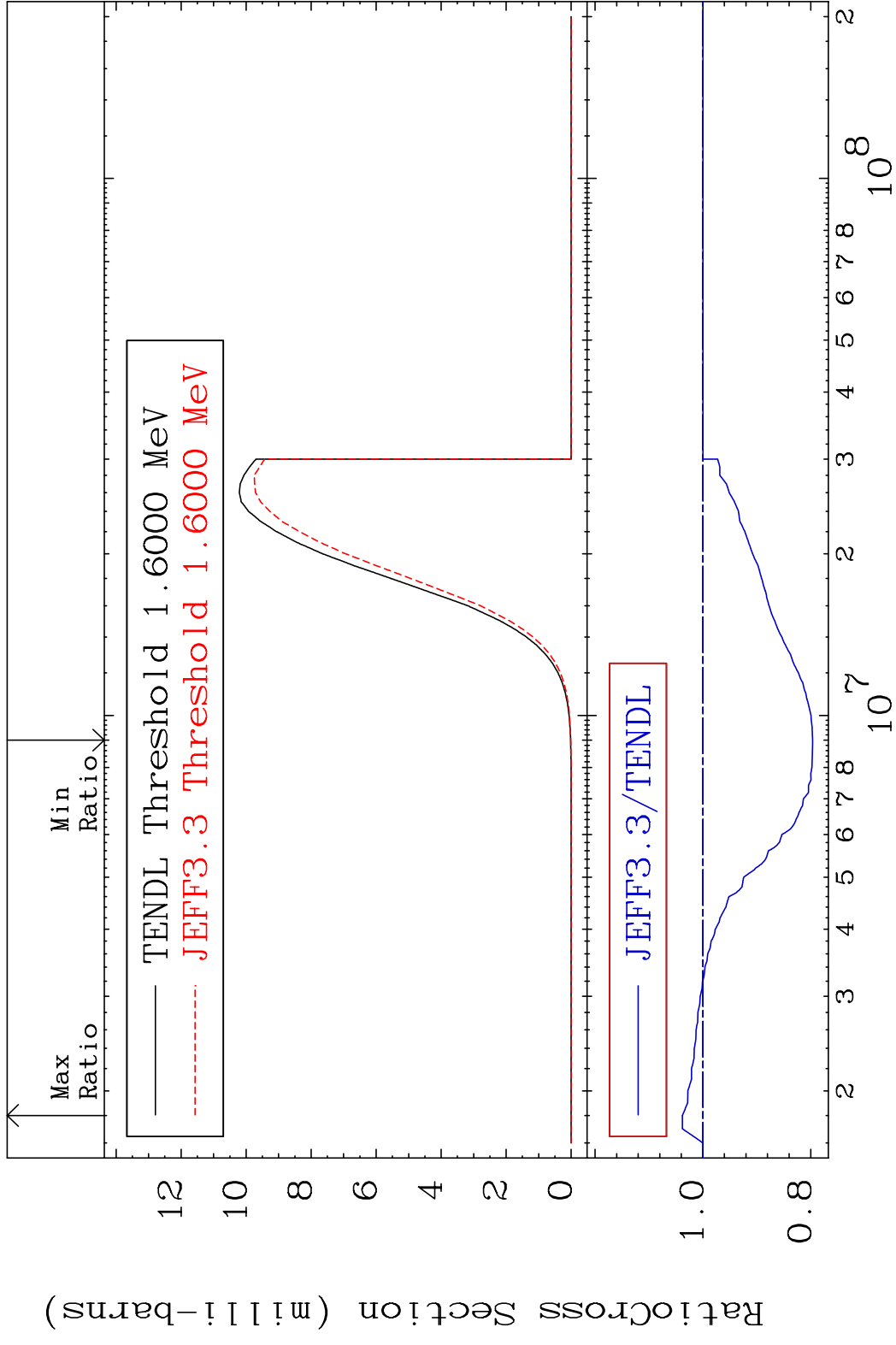


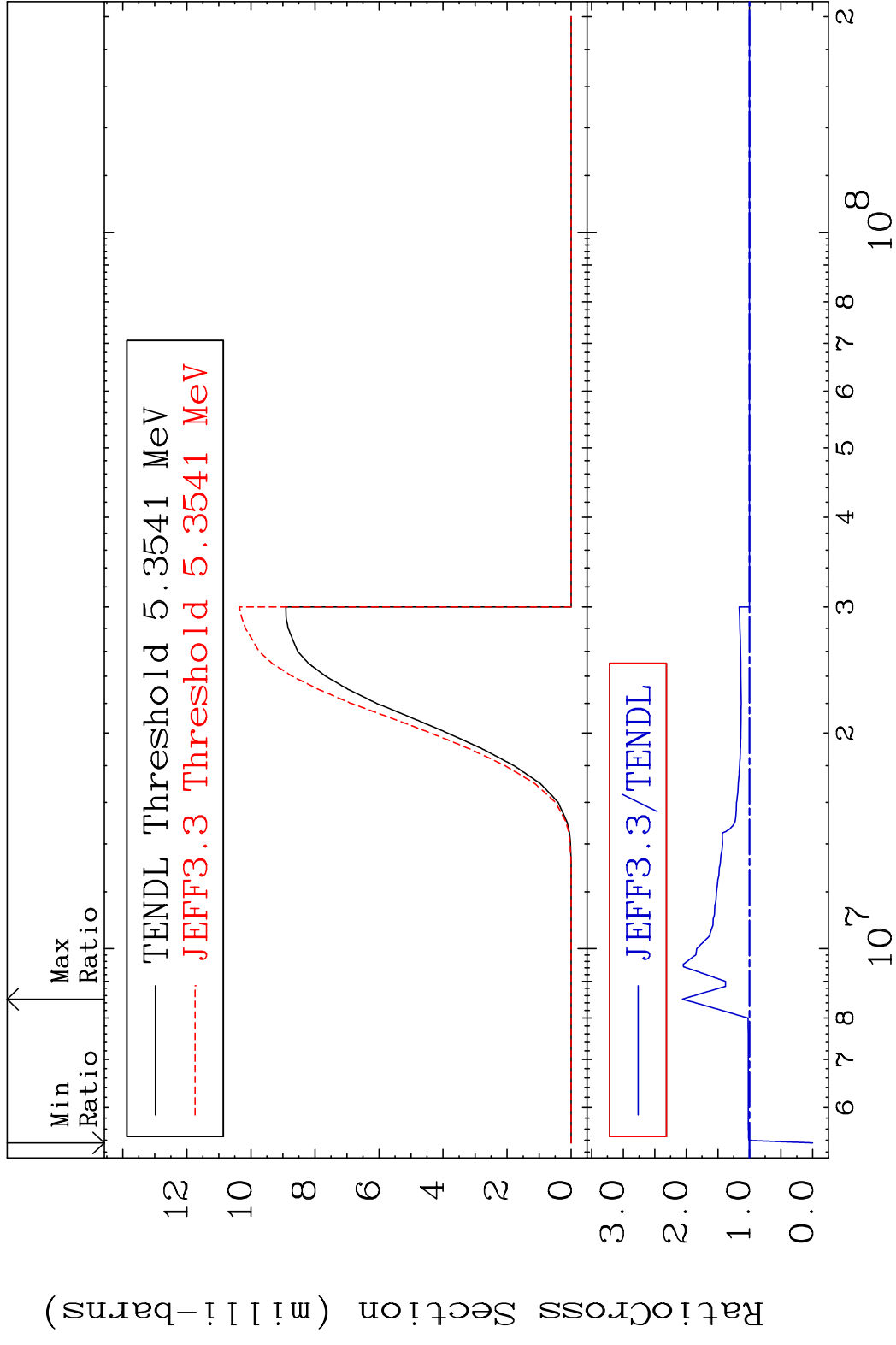


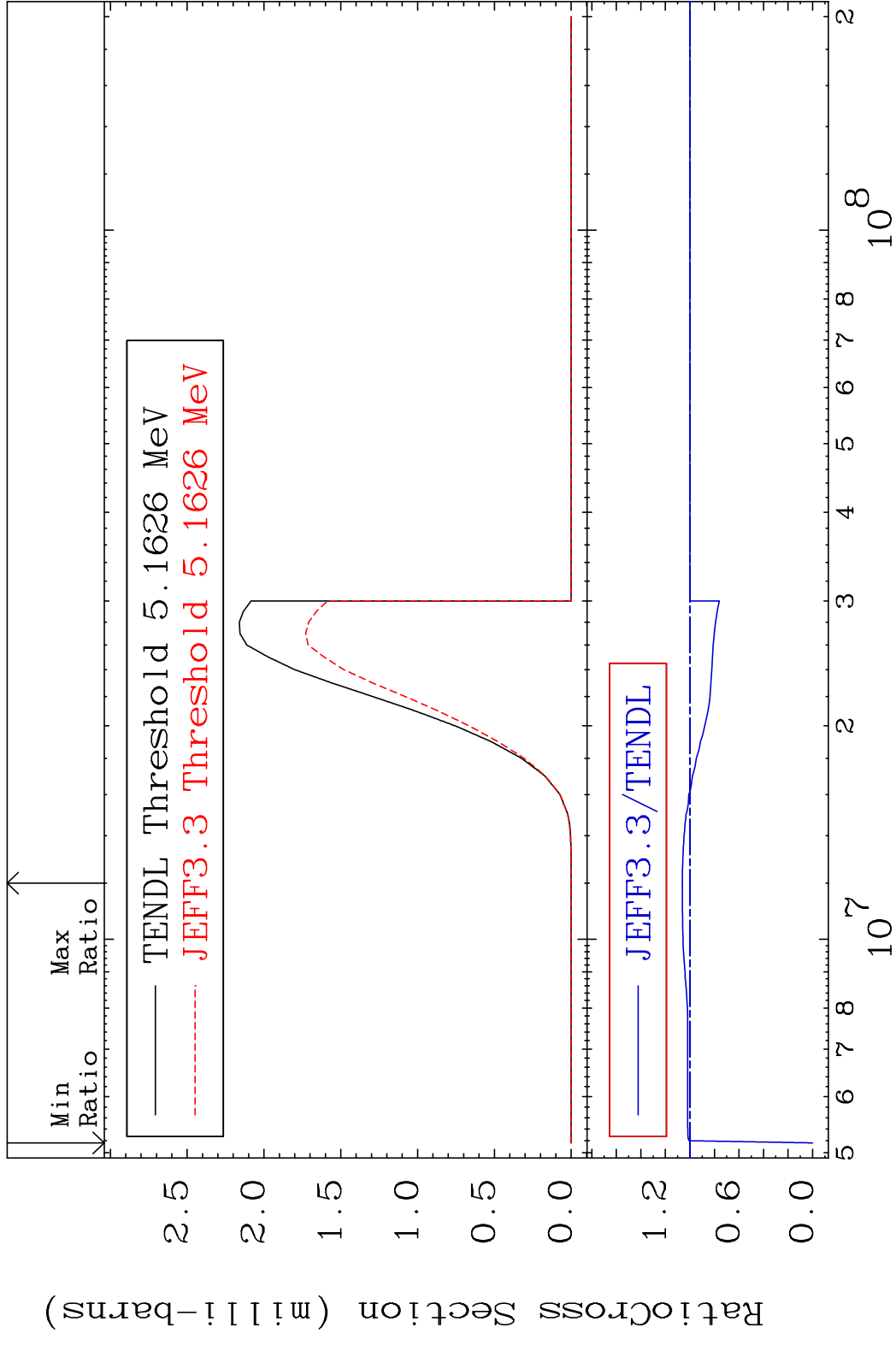


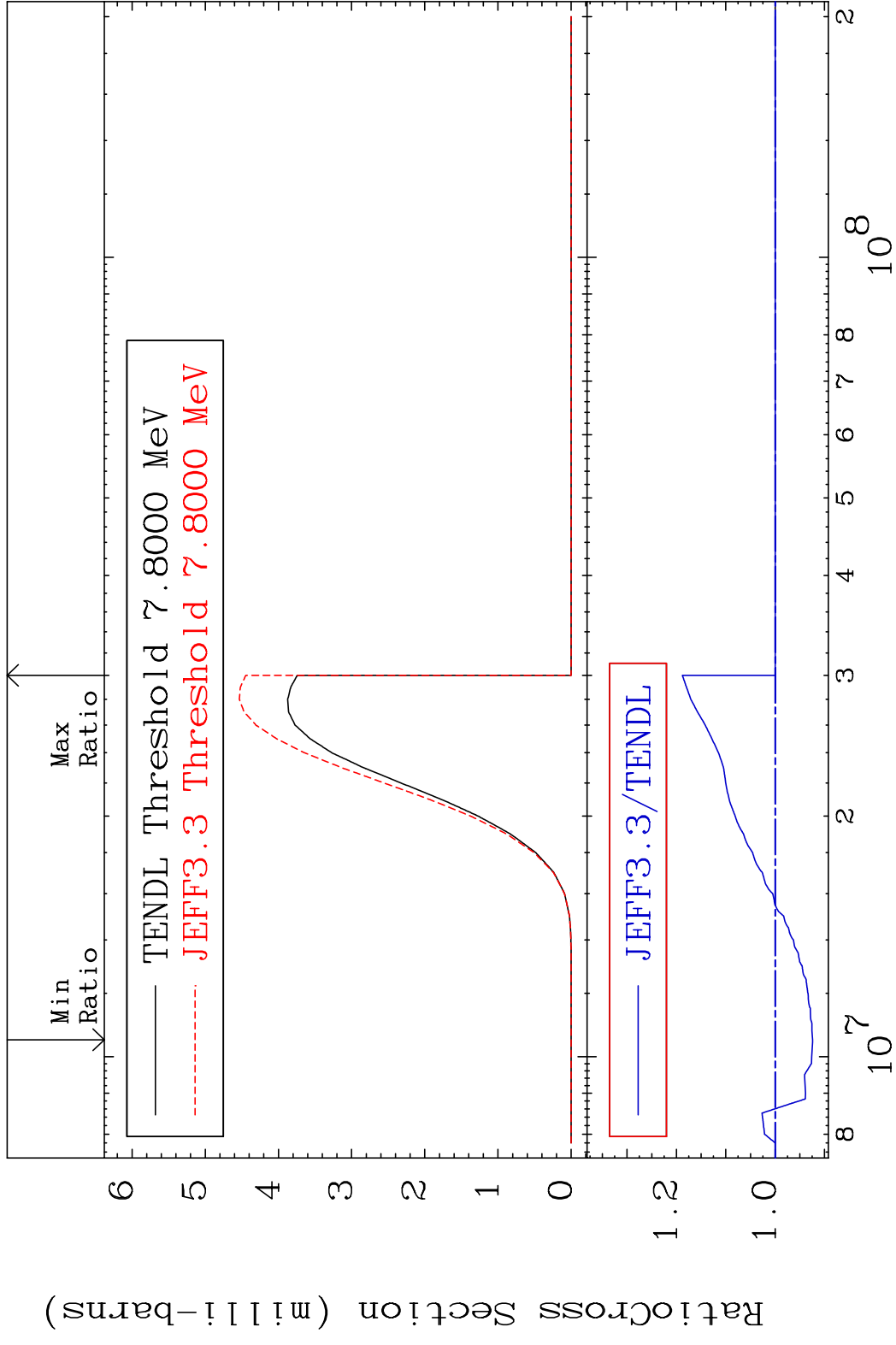












MAT 7840 (n,p) t:76-0s-192g 78-Pt-195
 Radionuclide Production Cross Section Ratio 0.000 %

