

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

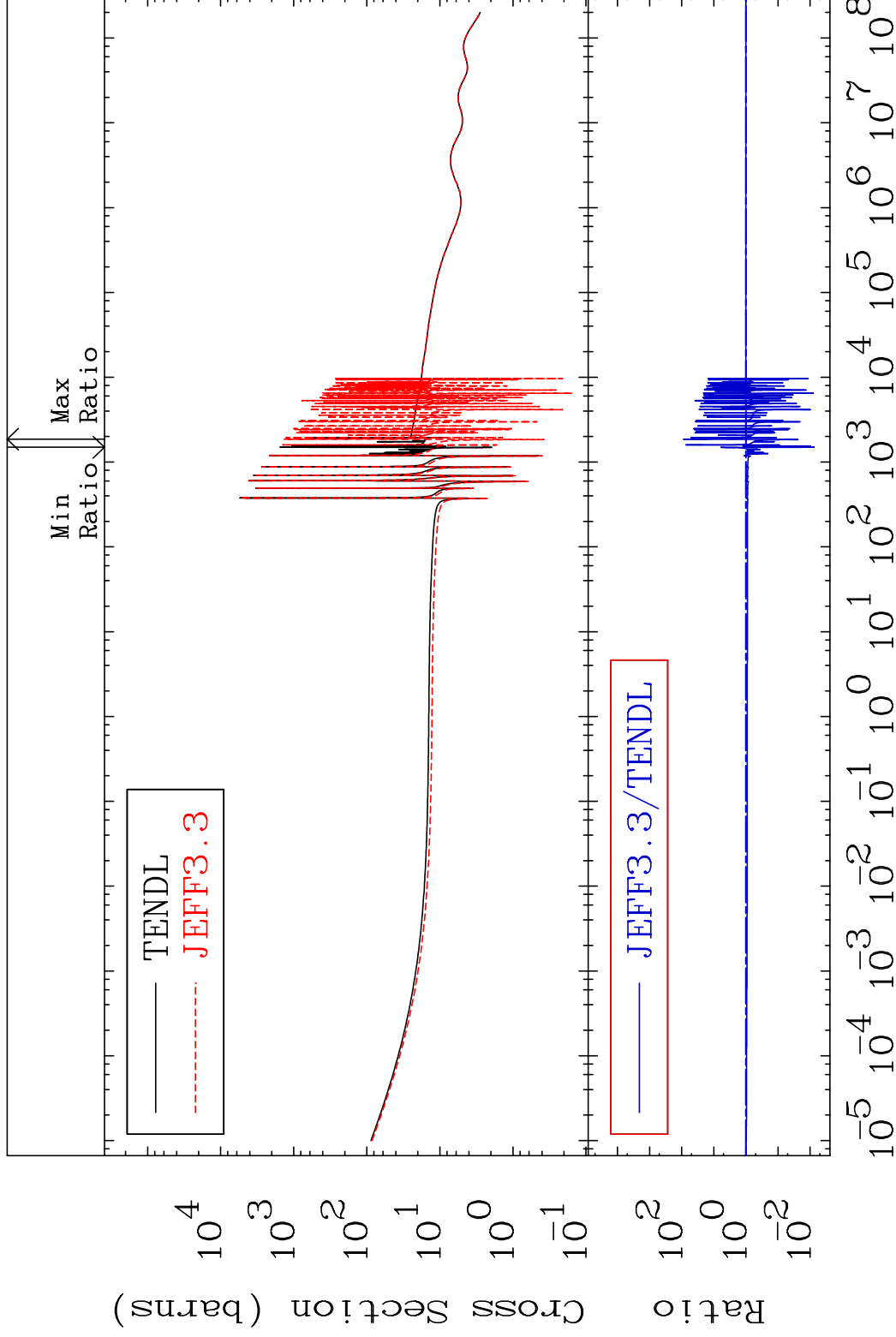
MAT 7837

Total

78-Pt-194

Cross Section

-99.25 To 8609. %



1

Incident Energy (eV)

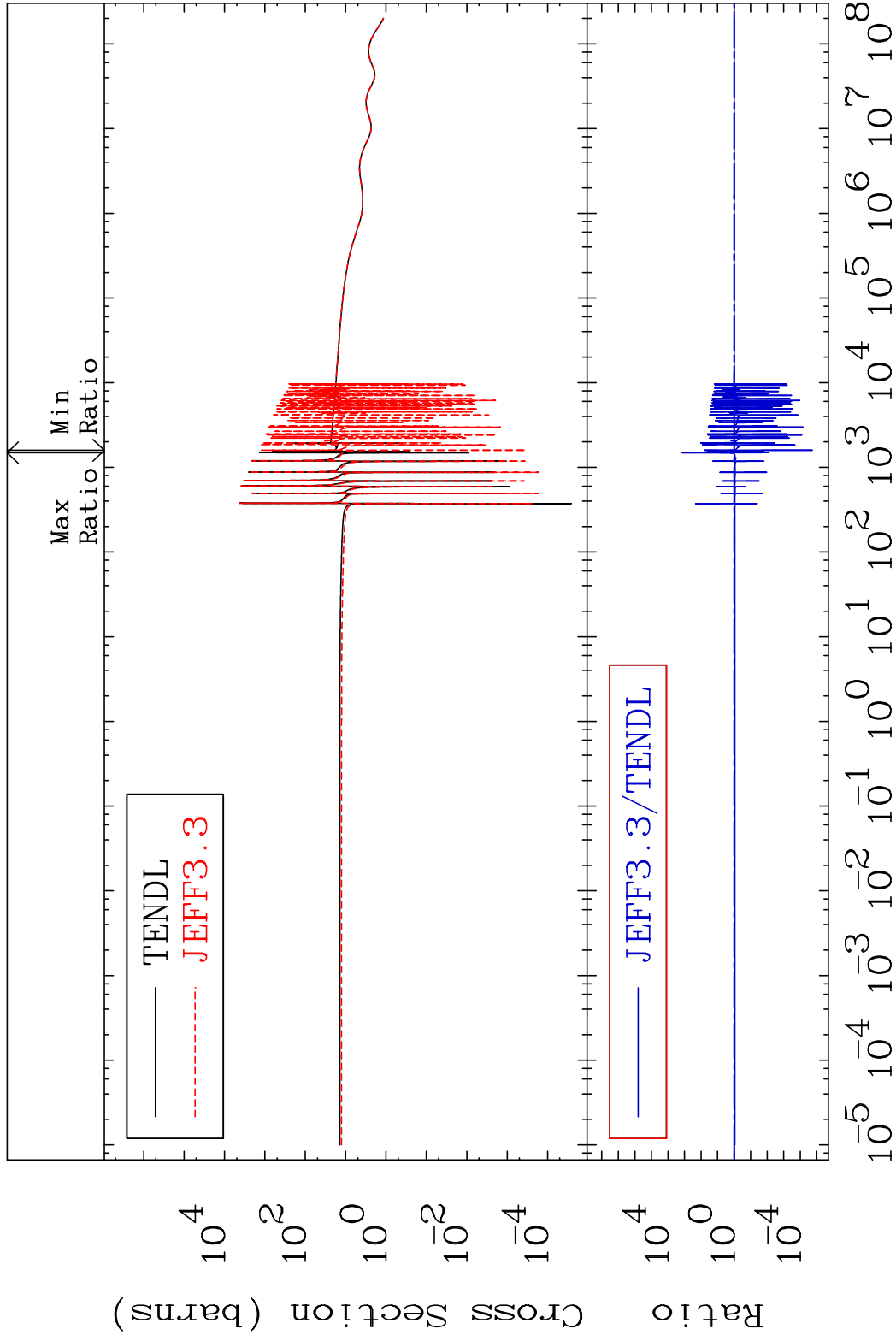
78-Pt-194

MAT 7837

Elastic

78-Pt-194

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

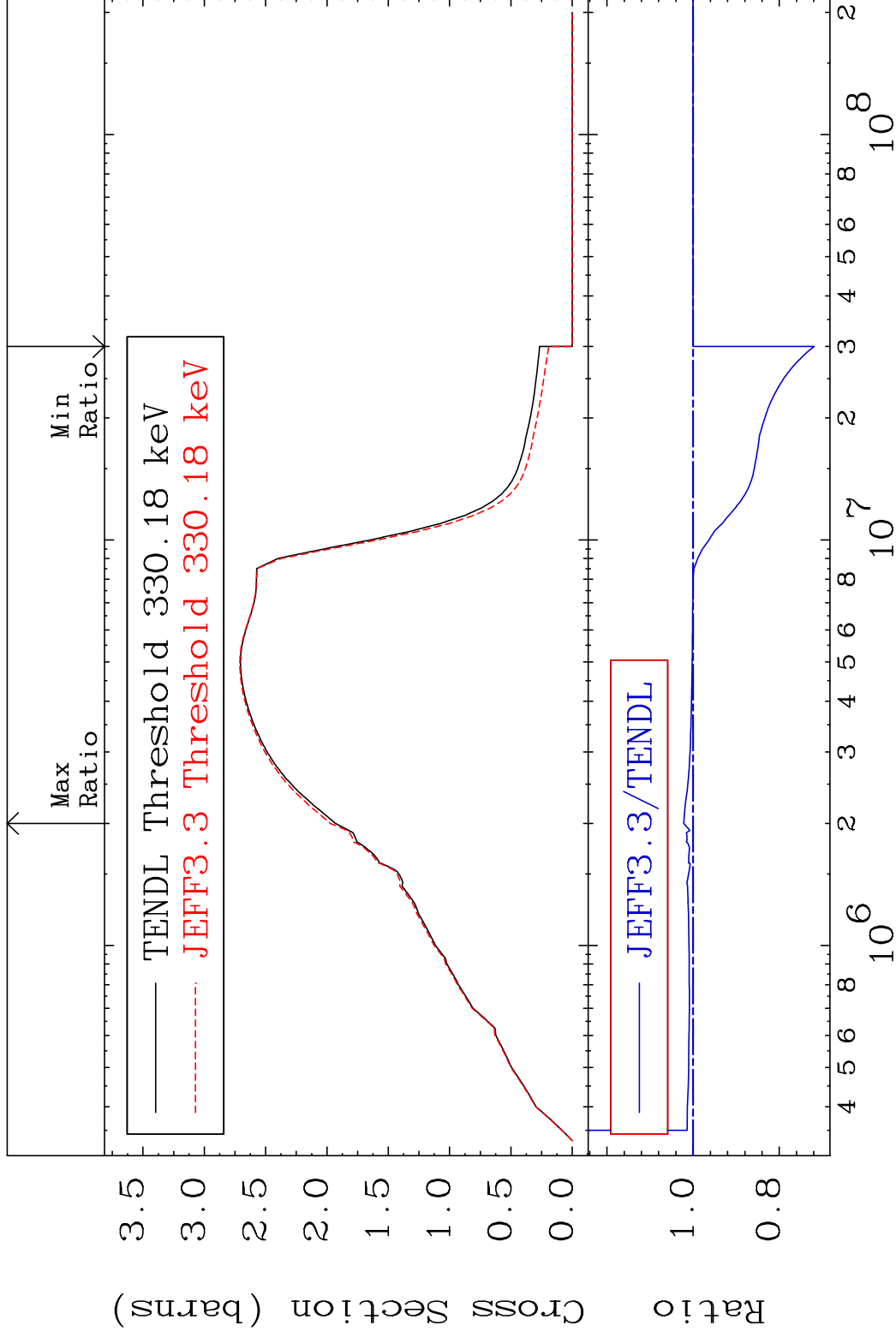
78-Pt-194

MAT 7837

Inelastic

78-Pt-194

Cross Section -28.08 To 2.199 %



3

Incident Energy (eV)

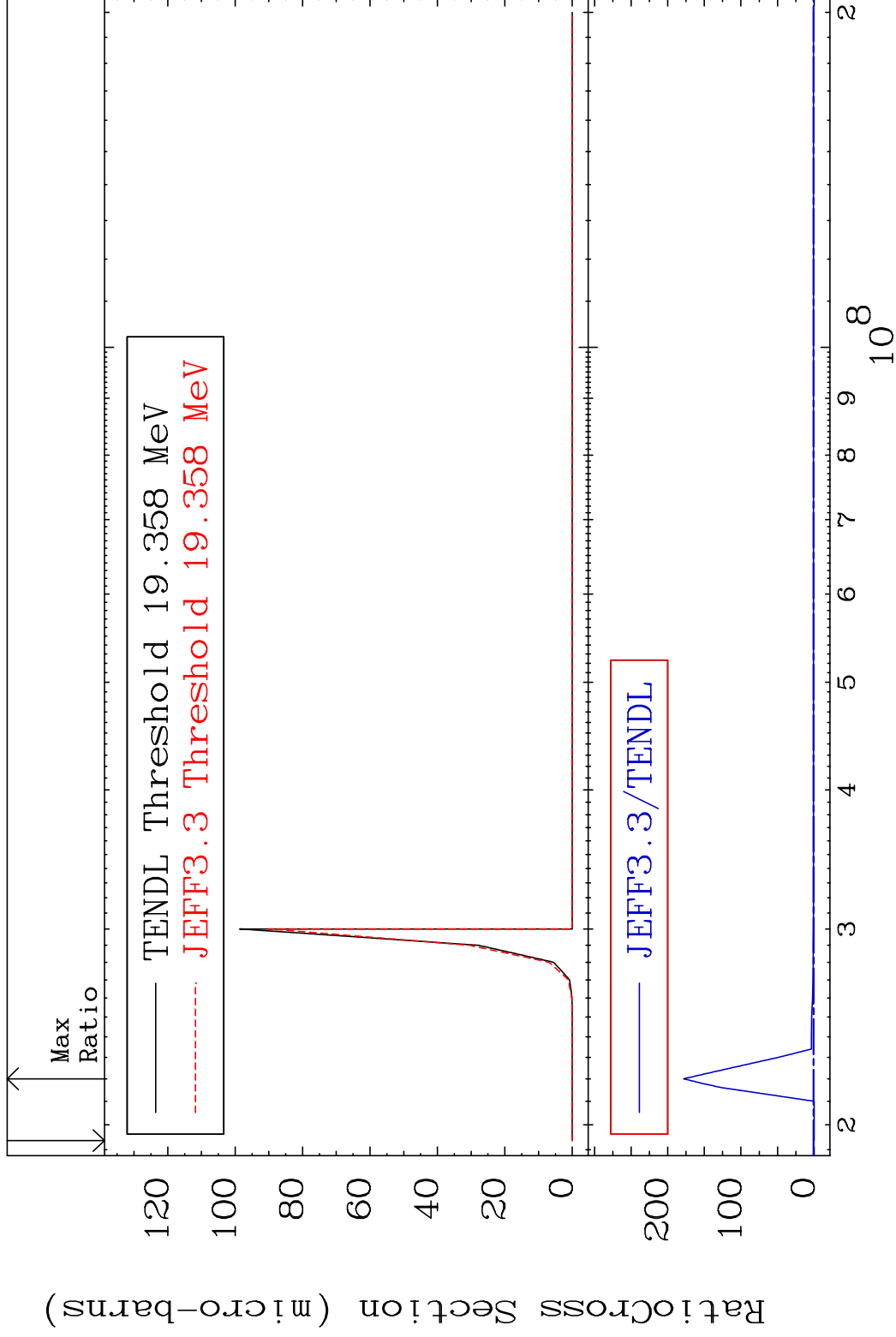
78-Pt-194

MAT 7837

(n,2n) d

78-Pt-194

Cross Section -100.0 To 9999. %



4

Incident Energy (eV)

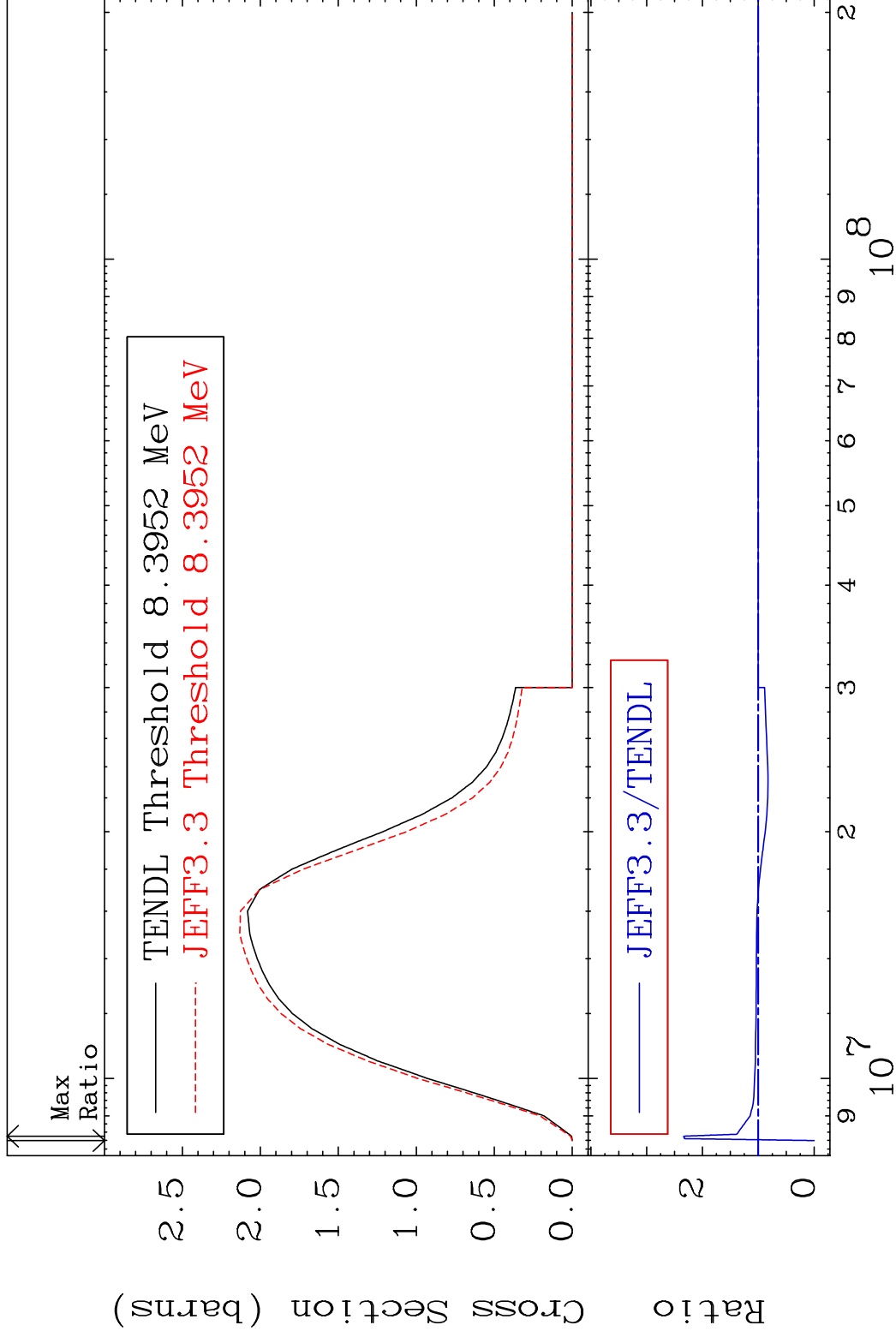
78-Pt-194

MAT 7837

(n,2n)

78-Pt-194

Cross Section -100.0 To 133.7 %



5

Incident Energy (eV)

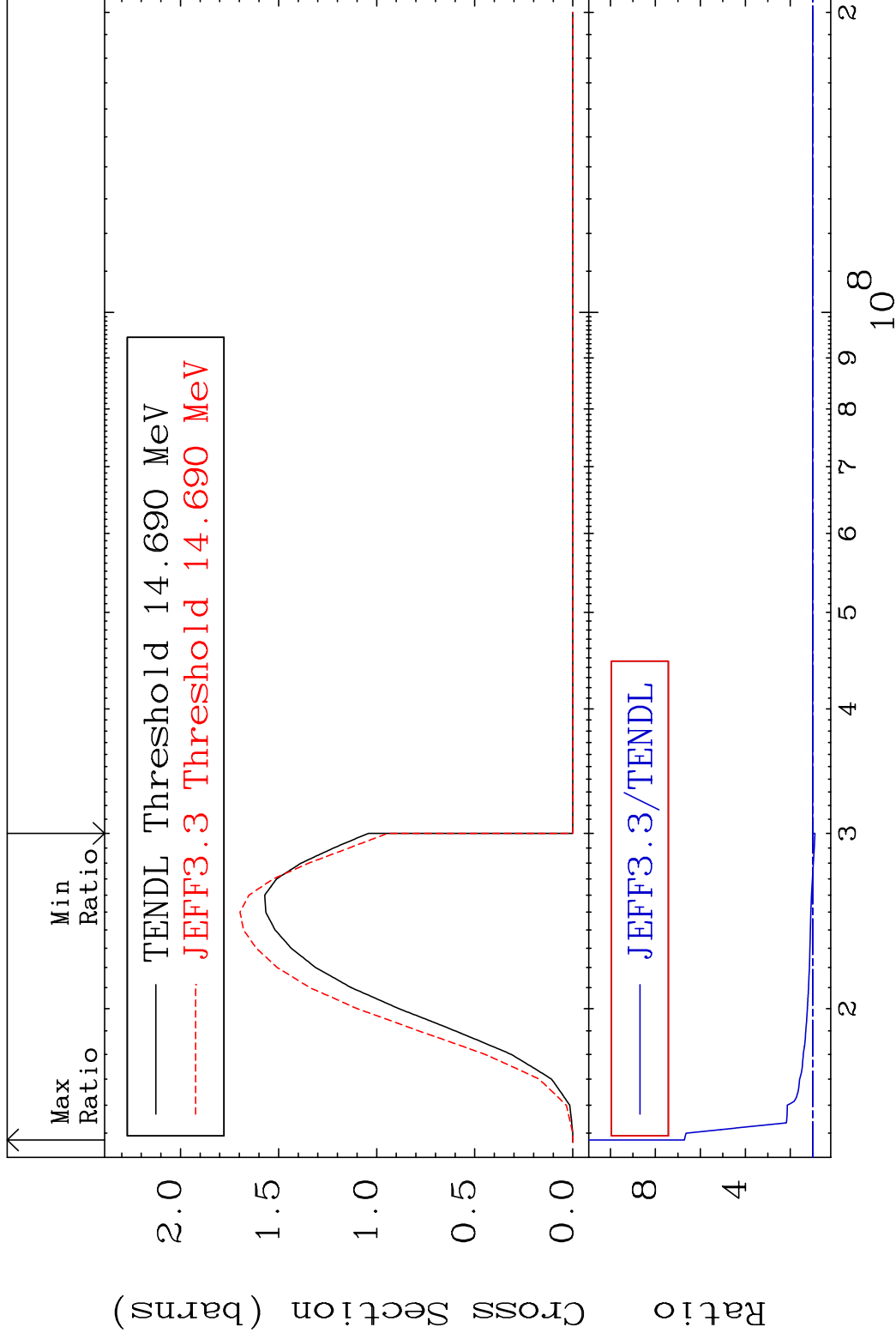
78-Pt-194

MAT 7837

(n,3n)

78-Pt-194

Cross Section -9.476 To 571.3 %



6

Incident Energy (eV)

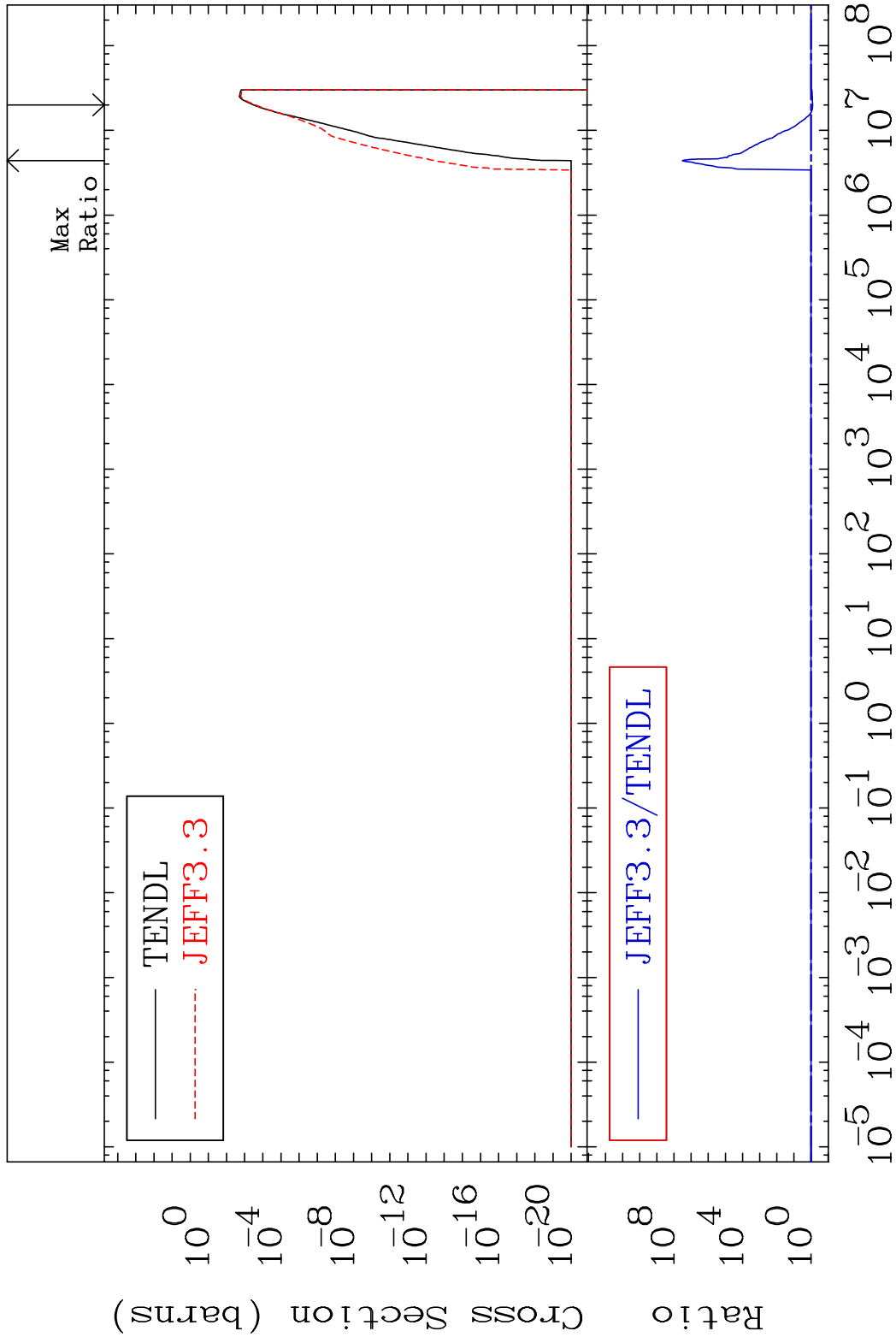
78-Pt-194

MAT 7837

(n, n') α

78-Pt-194

Cross Section -18.25 To 9999. %



7

Incident Energy (eV)

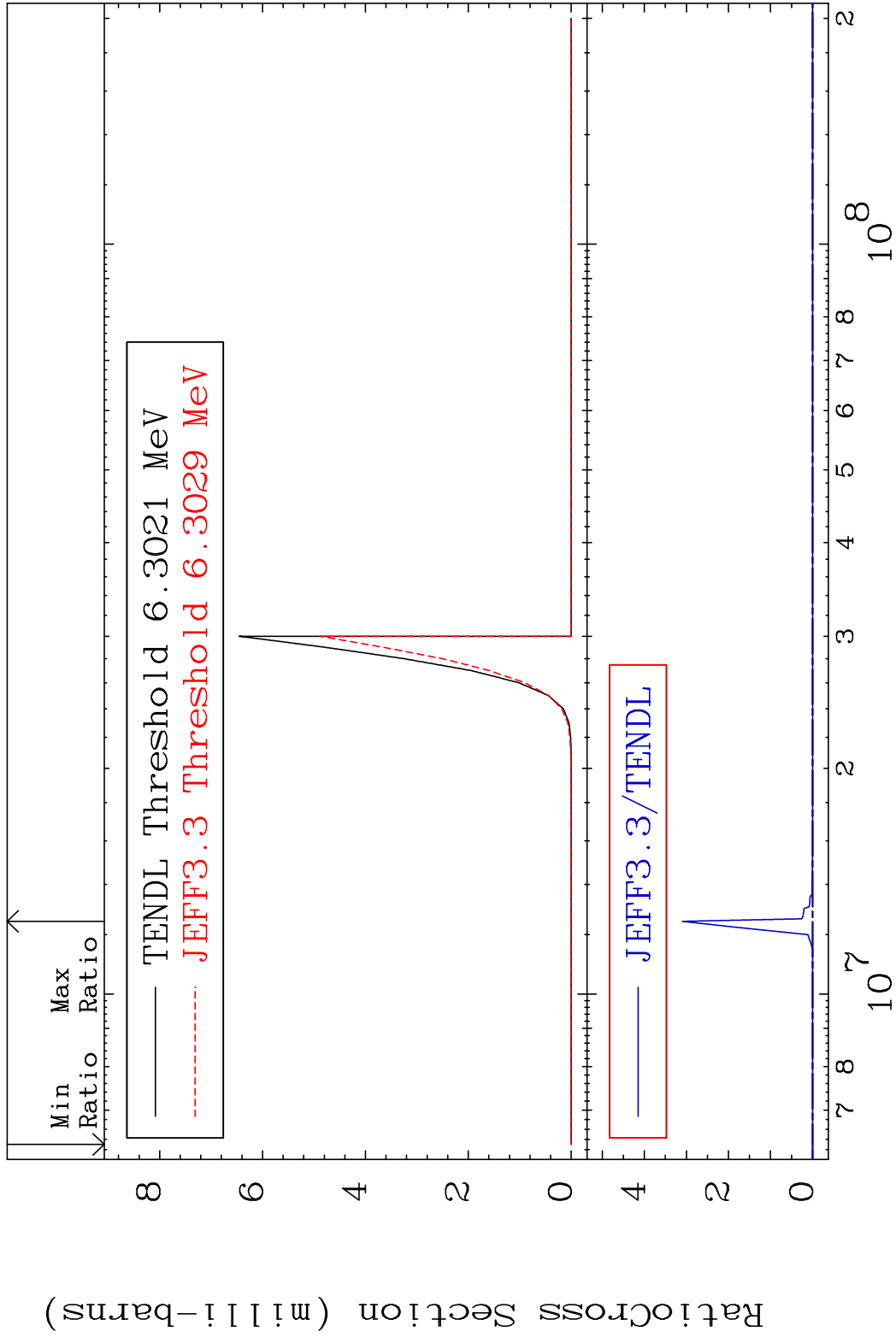
78-Pt-194

MAT 7837

(n,2n) α

78-Pt-194

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

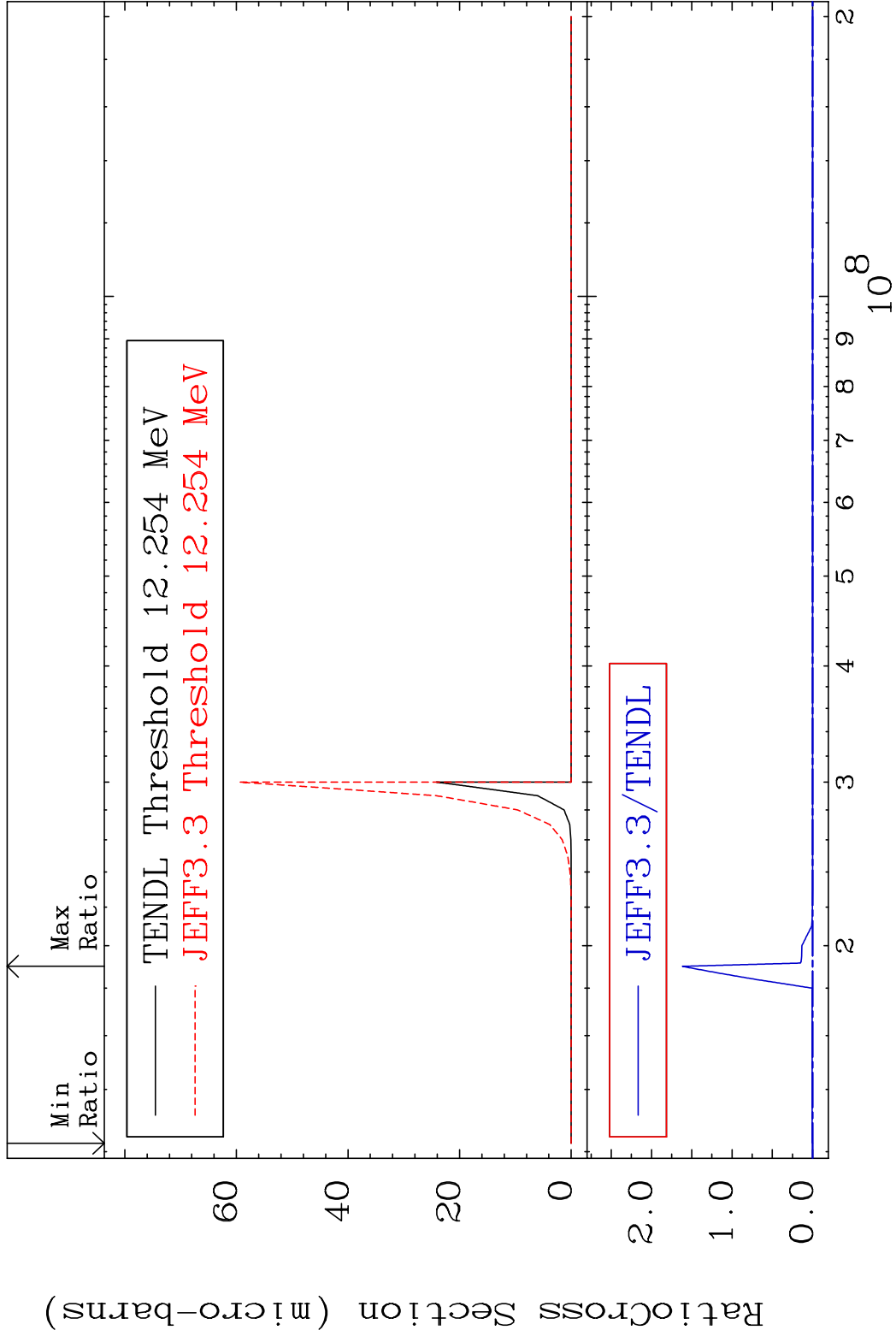
78-Pt-194

MAT 7837

(n,3n) α

78-Pt-194

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

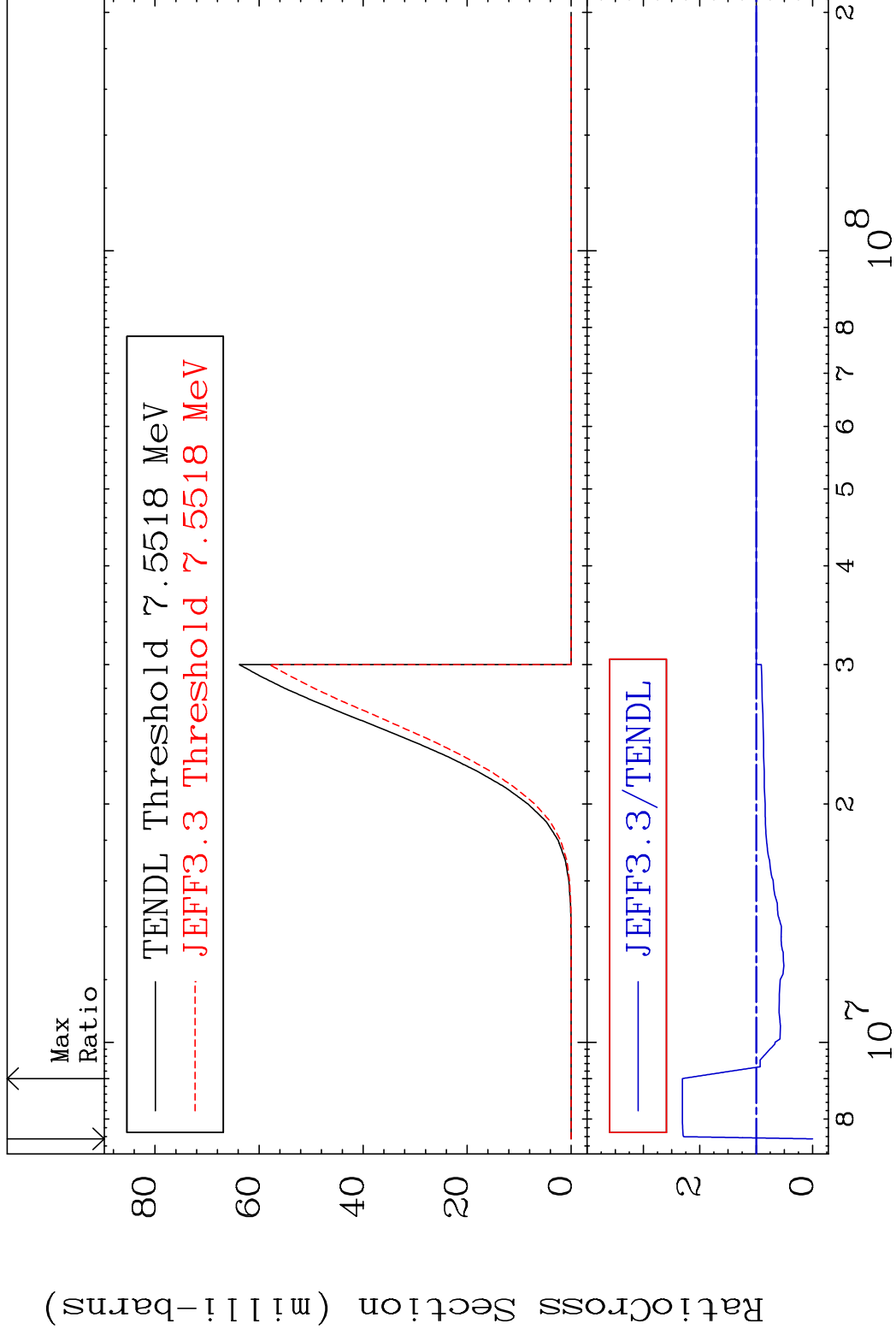
78-Pt-194

MAT 7837

(n, n') p

78-Pt-194

Cross Section -100.0 To 131.0 %



10

Incident Energy (eV)

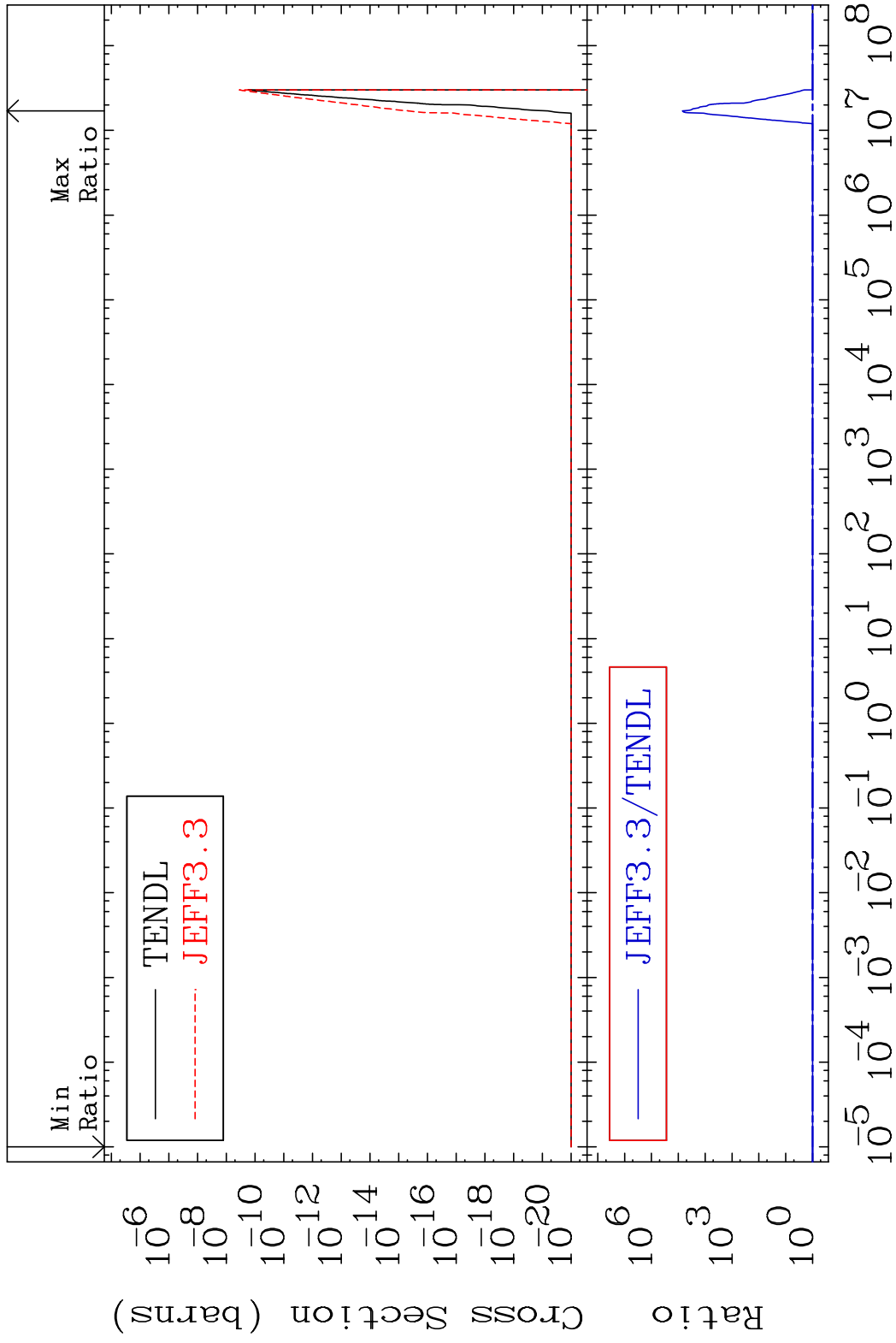
78-Pt-194

MAT 7837

(n, n') 2α

78-Pt-194

Cross Section 0.000 To 9999. %

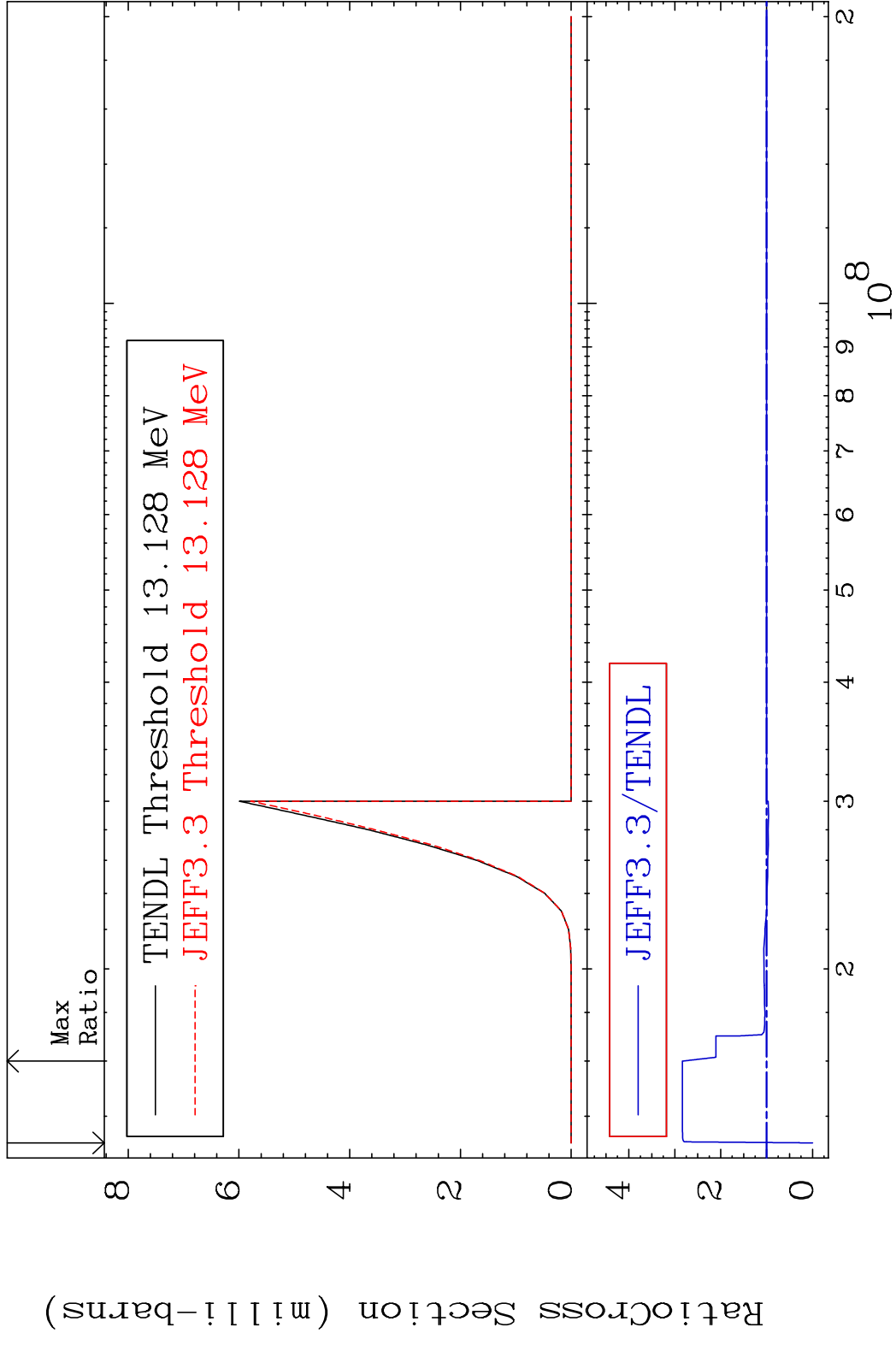


MAT 7837

(n, n') d

78-Pt-194

Cross Section -100.0 To 183.6 %

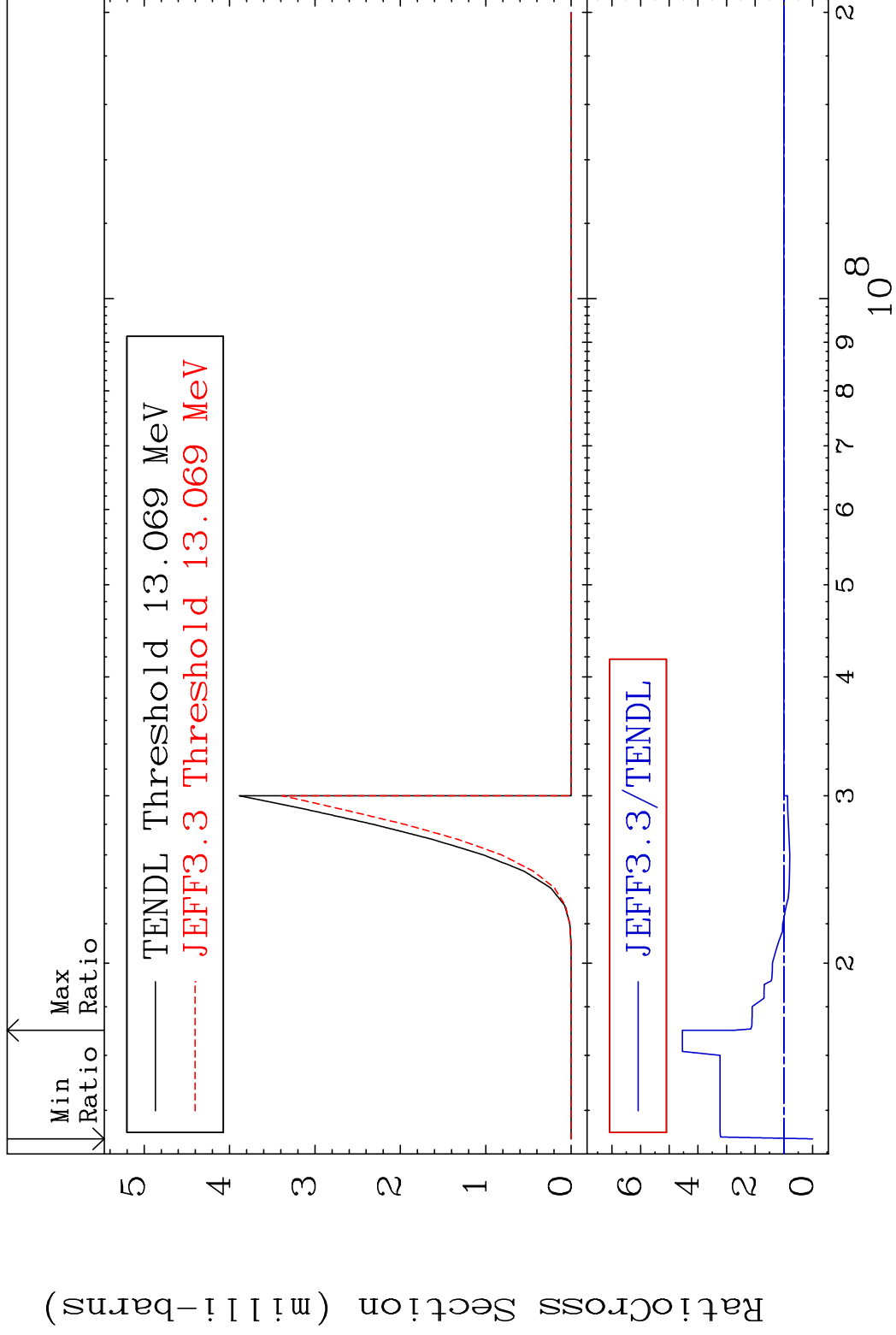


MAT 7837

(n, n') t

78-Pt-194

Cross Section -100.0 To 354.3 %

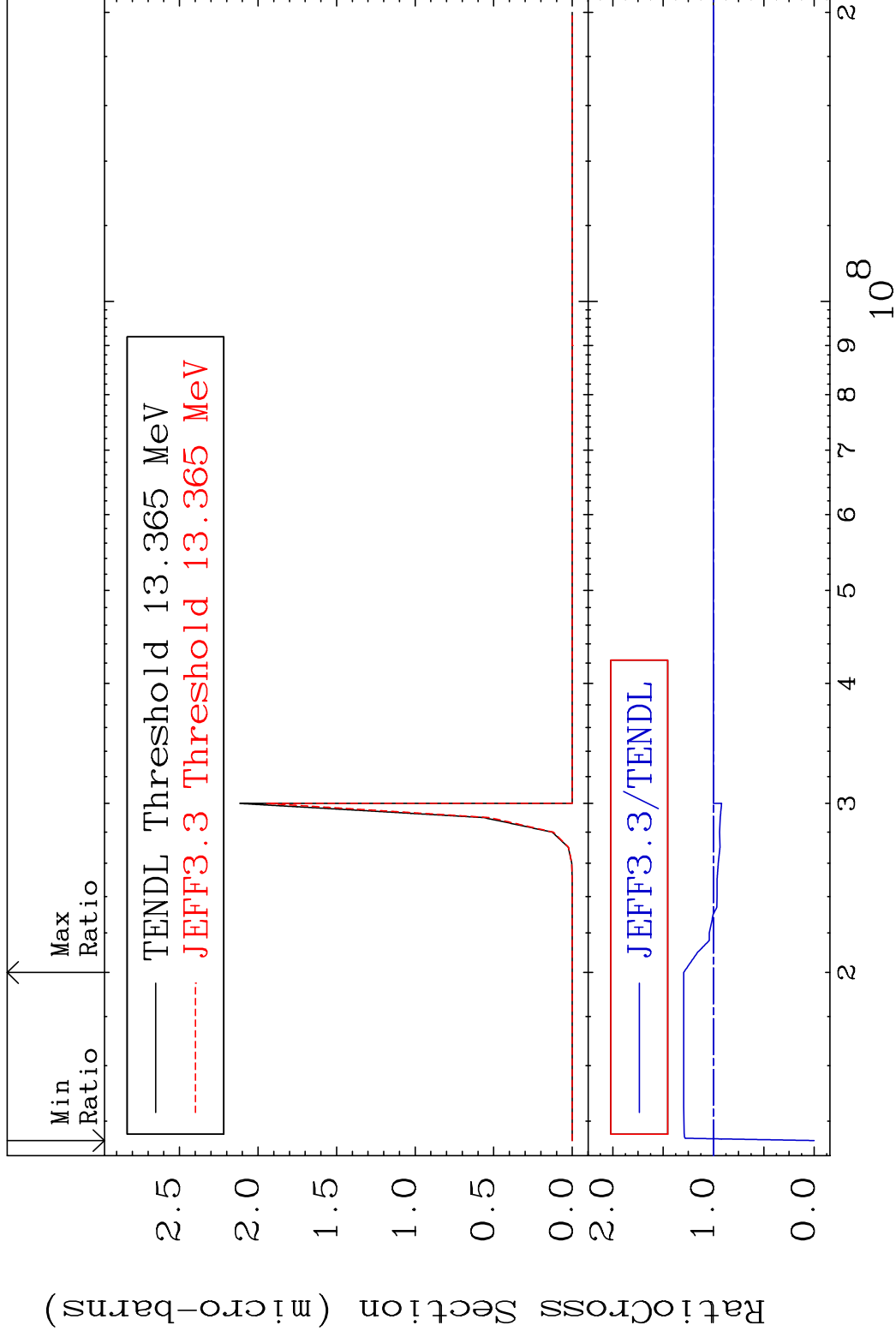


MAT 7837

(n,n') He-3

78-Pt-194

Cross Section -100.0 To 29.61 %

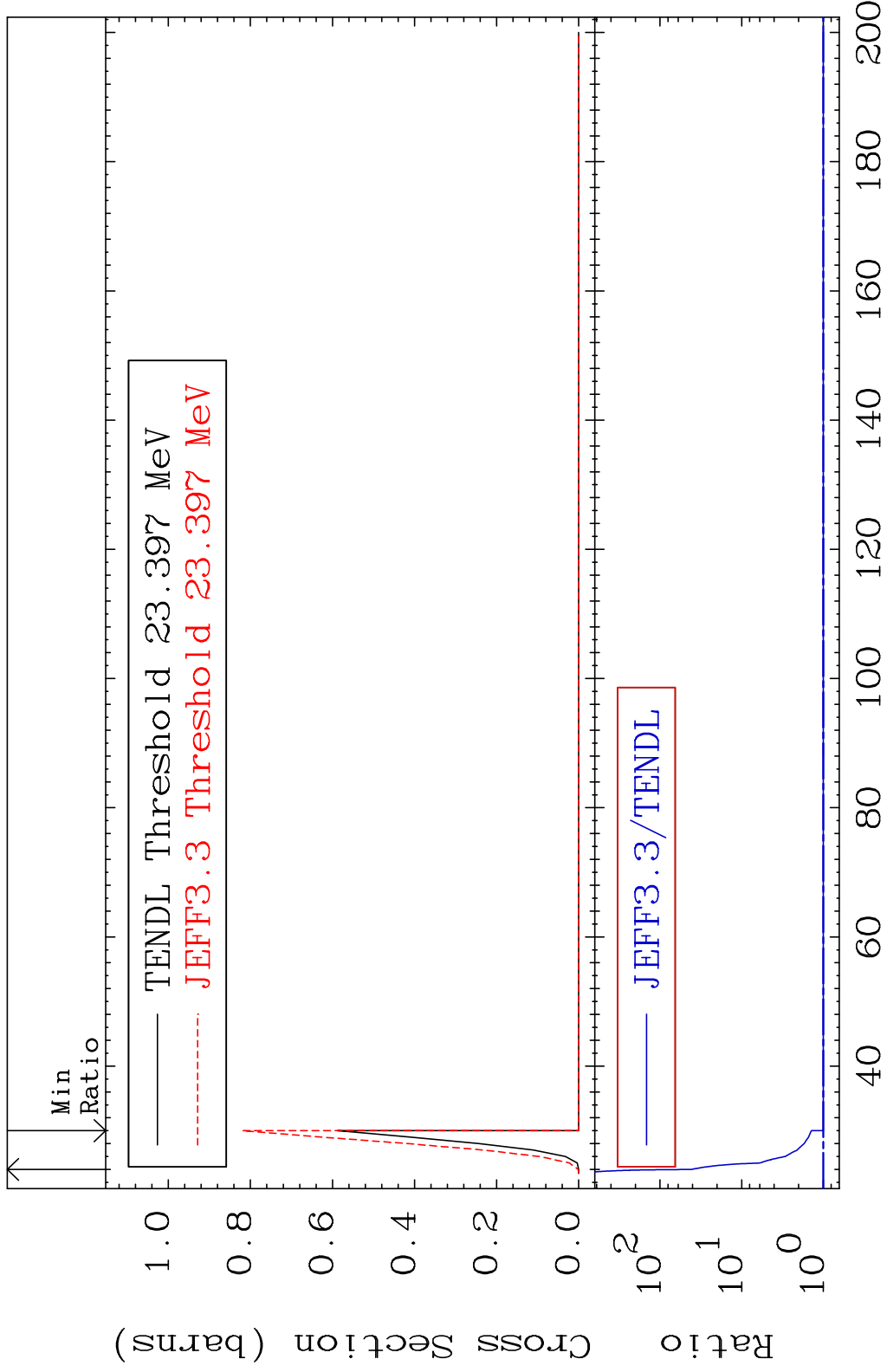


MAT 7837

(n,4n)

78-Pt-194

Cross Section 0.000 To 4035. %

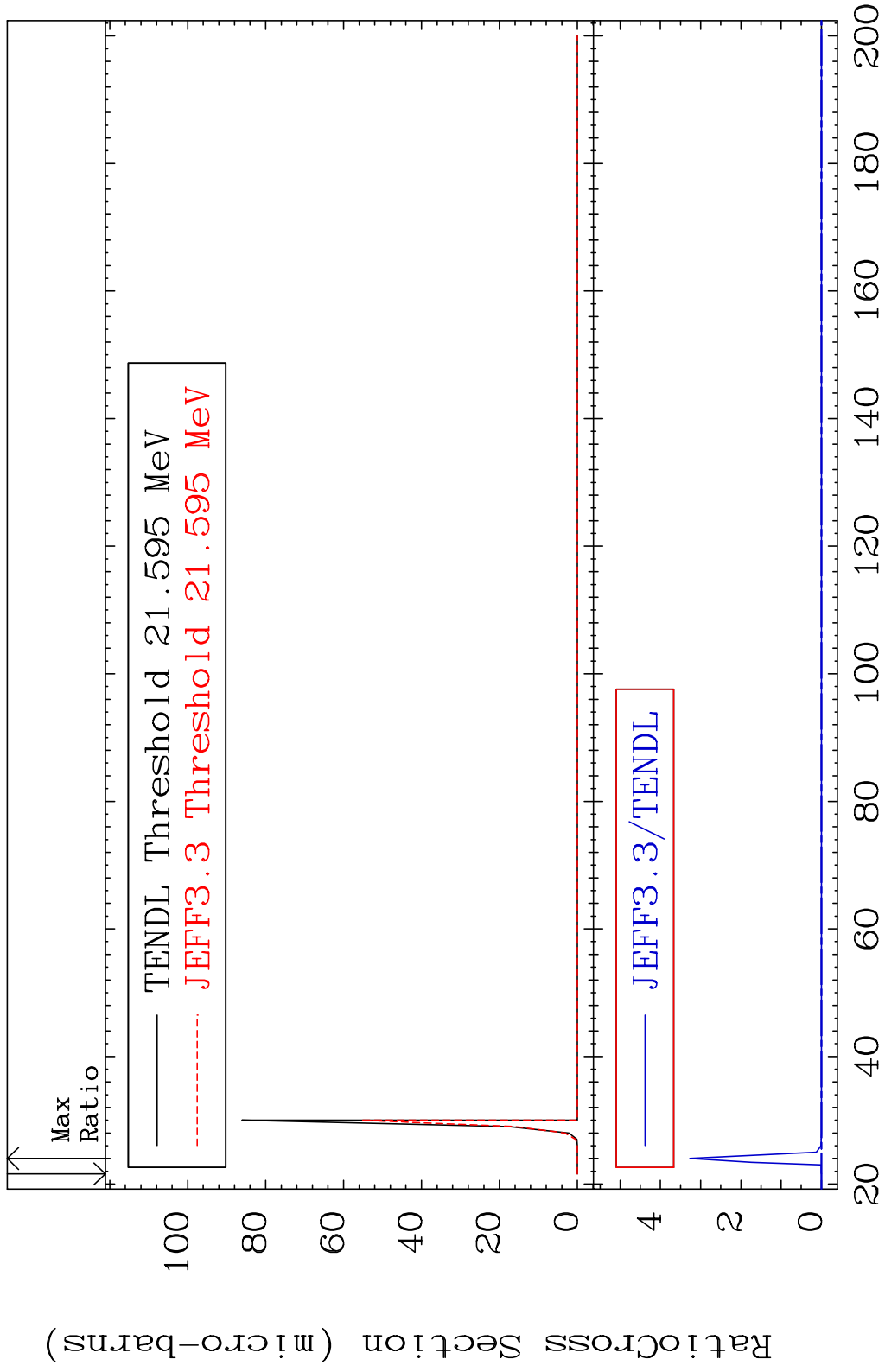


MAT 7837

(n,3n) p

78-Pt-194

Cross Section -100.0 To 9999. %



17

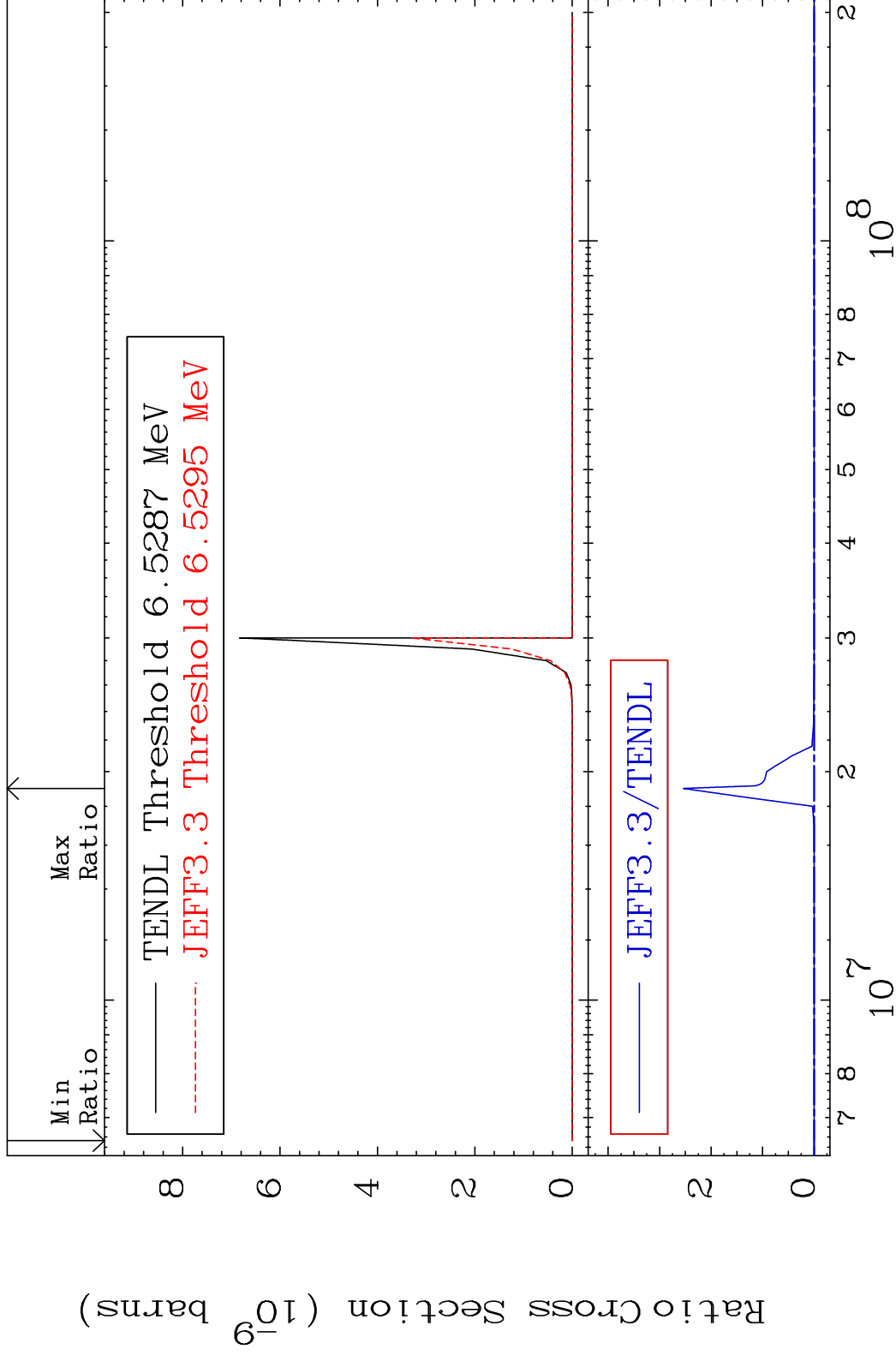
Incident Energy (MeV)

78-Pt-194

MAT 7837

(n, n') p α 78-Pt-194

Cross Section -100.0 To 9999. %



19

Incident Energy (eV)

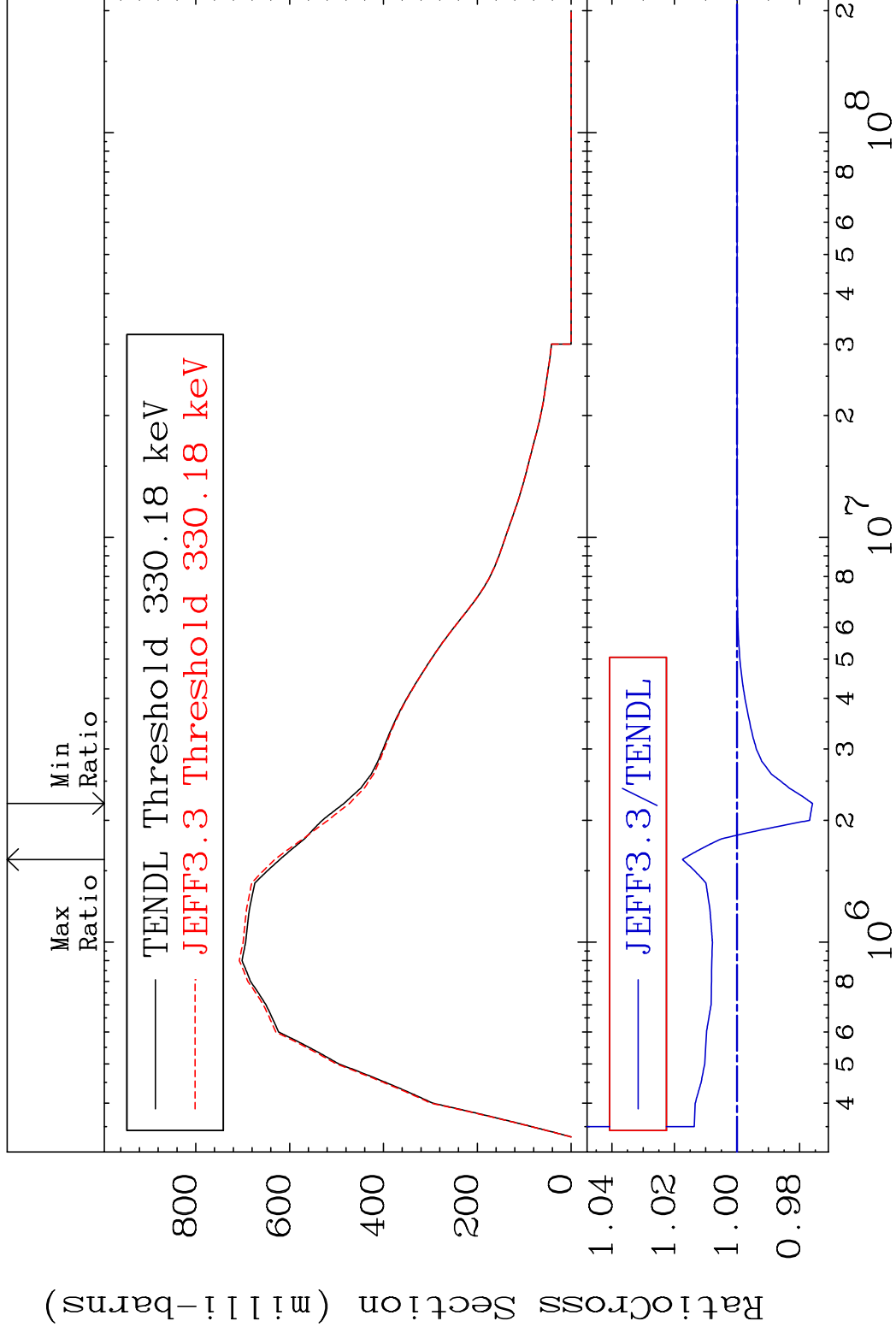
78-Pt-194

MAT 7837

MT= 51 (n, n') Level

78-Pt-194

Cross Section -2.412 To 1.747 %

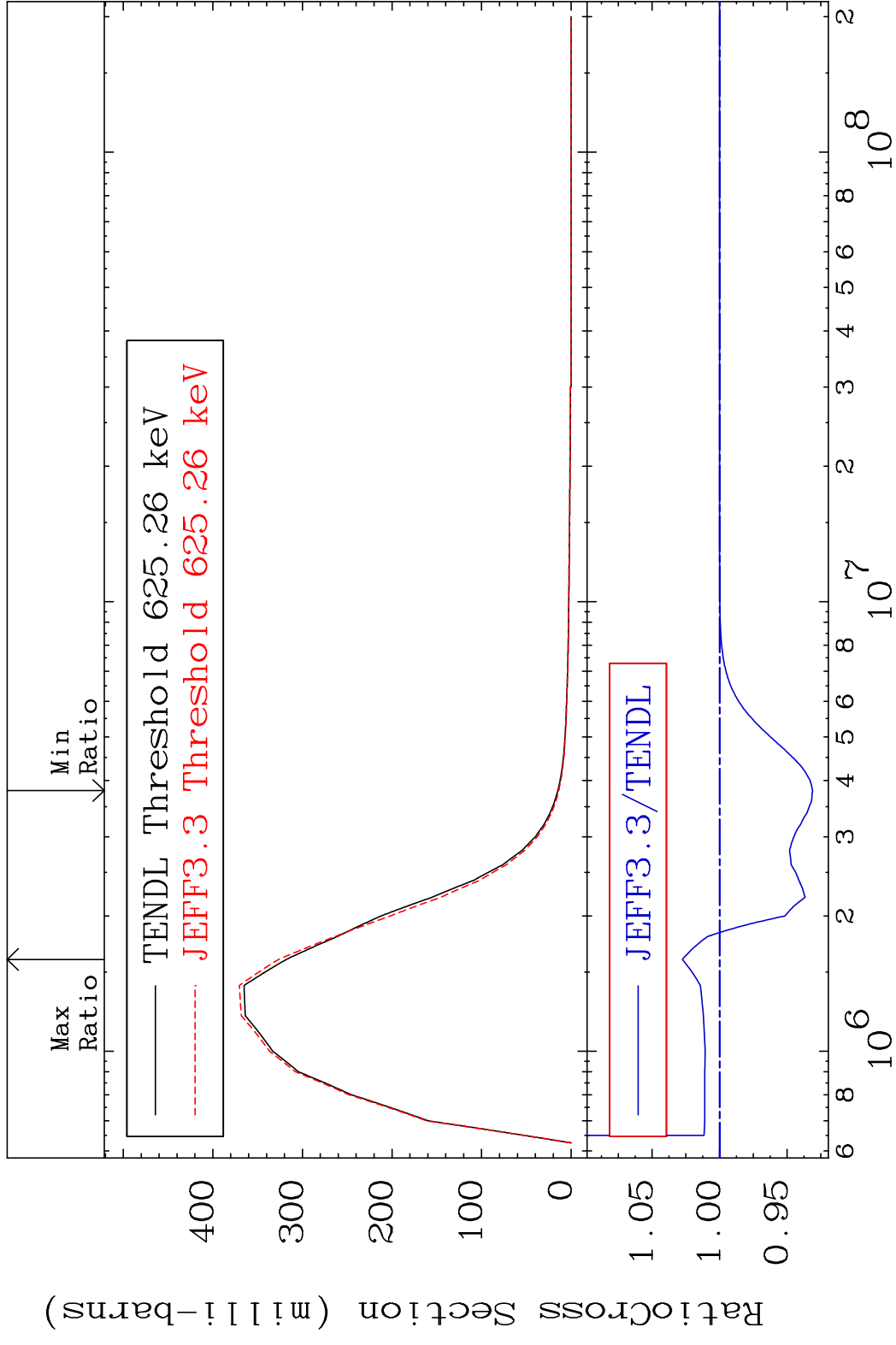


20

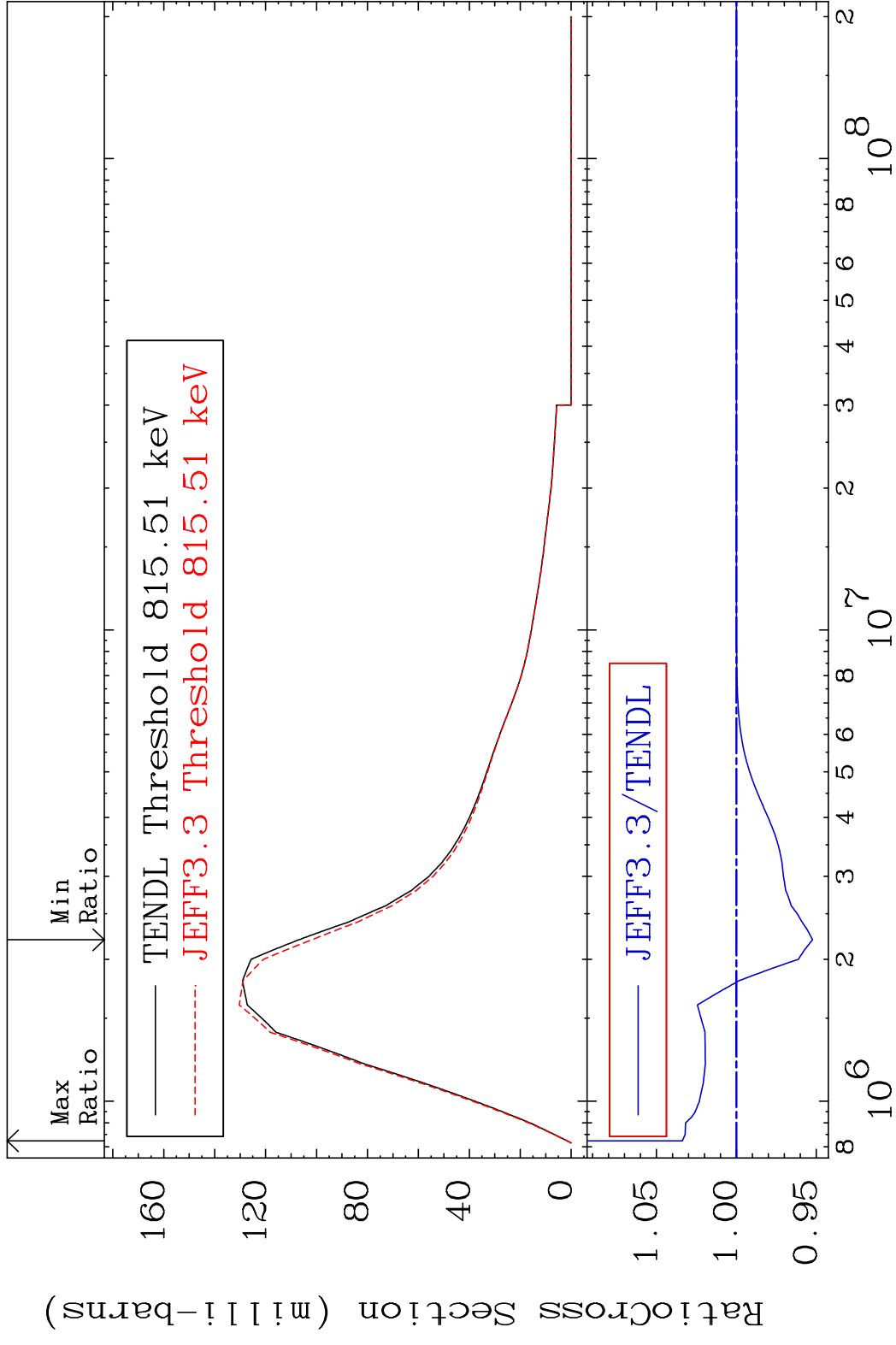
Incident Energy (eV)

78-Pt-194

MAT 7837 MT= 52 (n, n') Level 78-Pt-194
 Cross Section -6.881 To 2.763 %



MAT 7837 MT= 53 (n,n') Level 78-Pt-194
 Cross Section -4.765 To 3.382 %

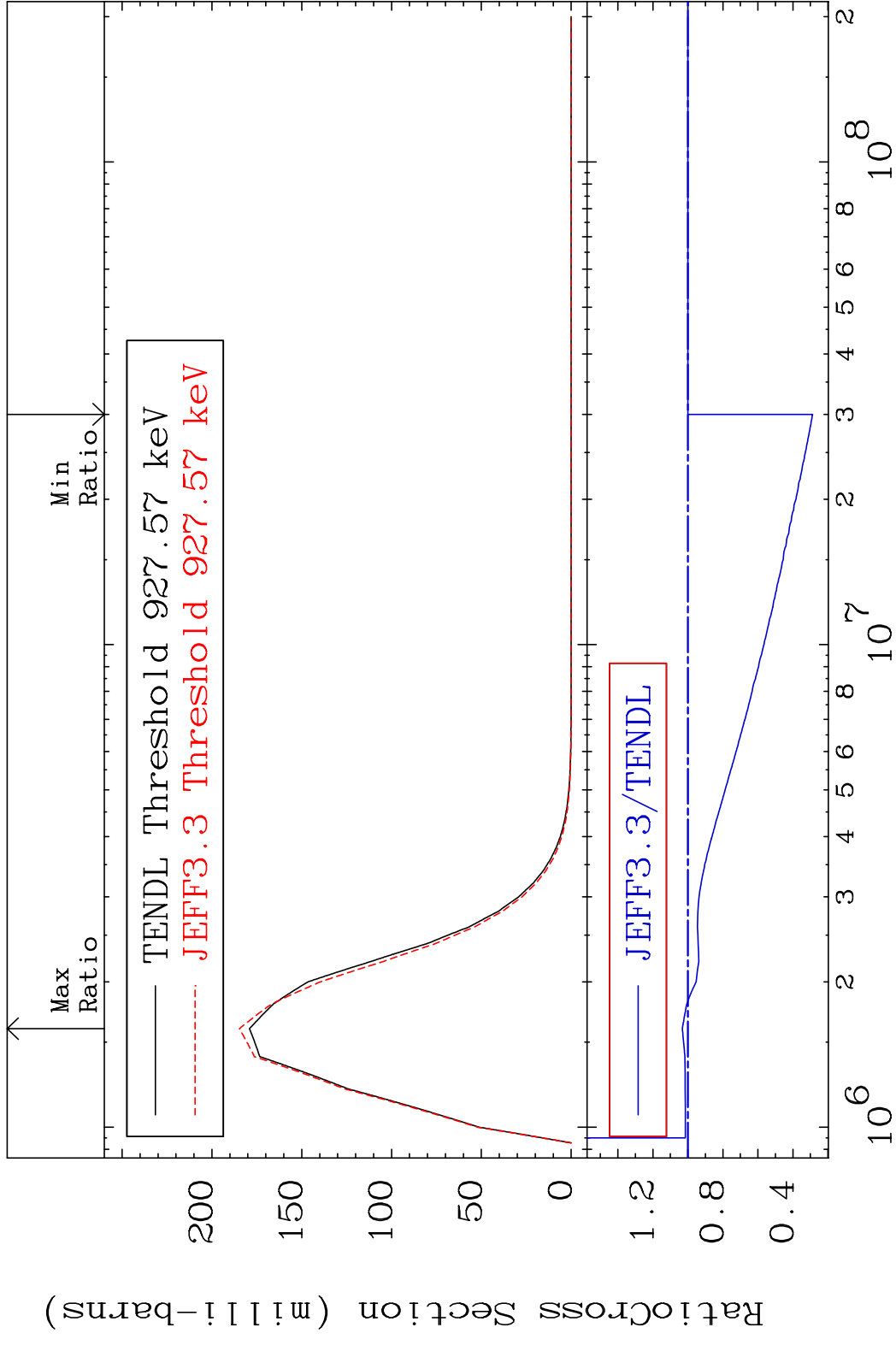


MAT 7837

MT= 54 (n, n') Level

78-Pt-194

Cross Section -71.24 To 3.160 %



23

Incident Energy (eV)

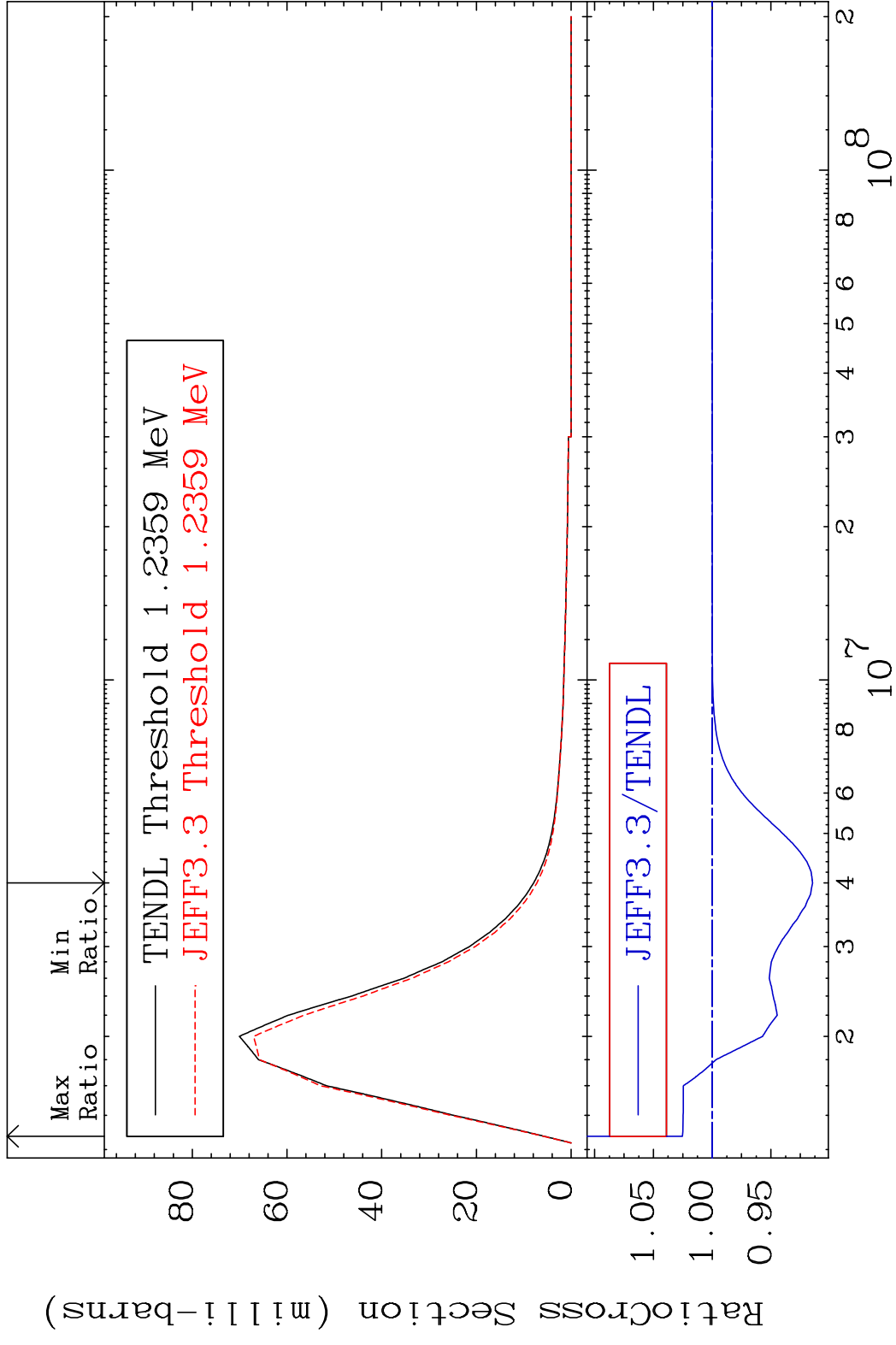
78-Pt-194

MAT 7837

MT= 55 (n, n') Level

78-Pt-194

Cross Section -8.545 To 2.538 %

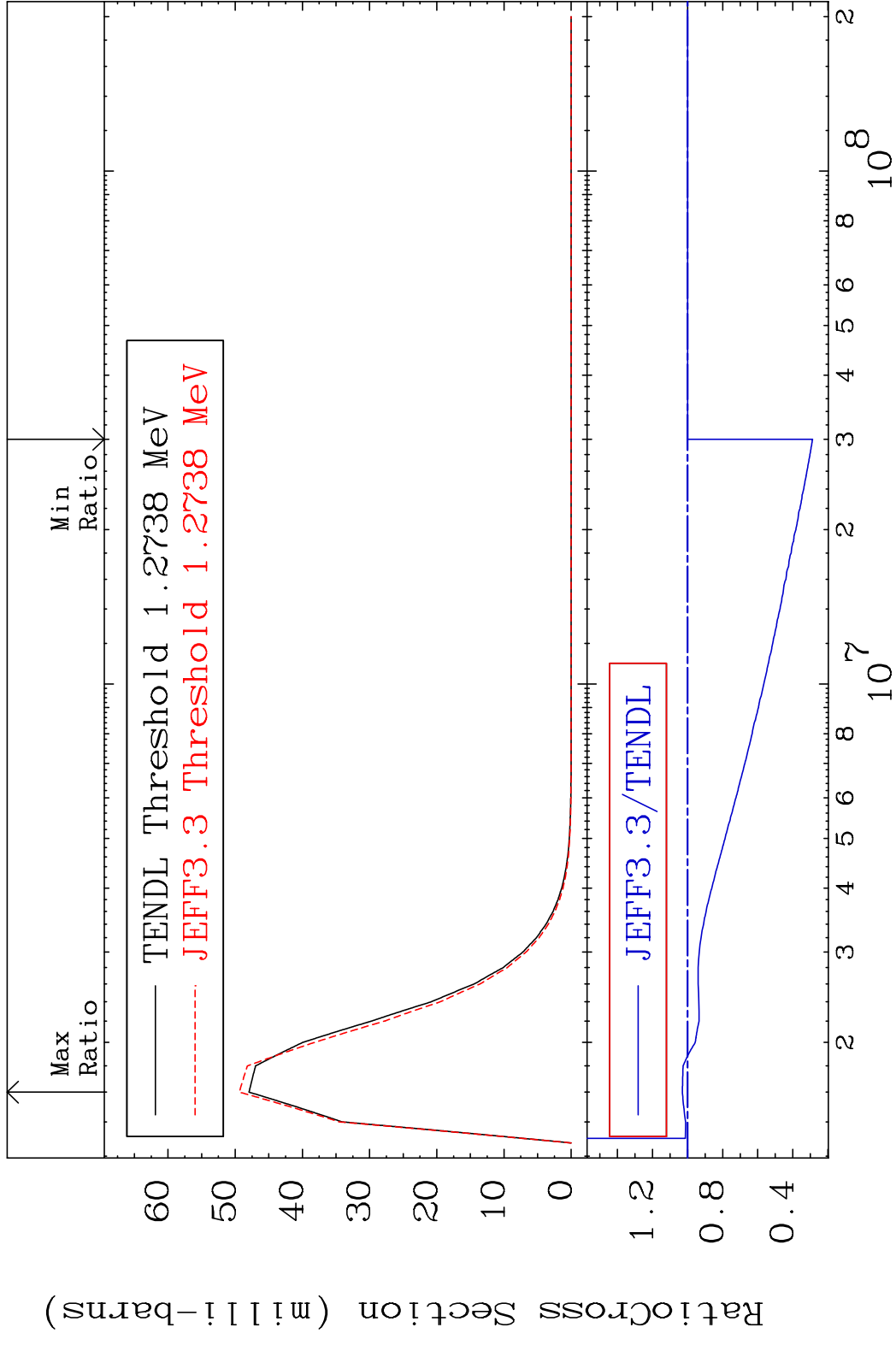


MAT 7837

MT= 56 (n, n') Level

78-Pt-194

Cross Section -71.25 To 3.001 %

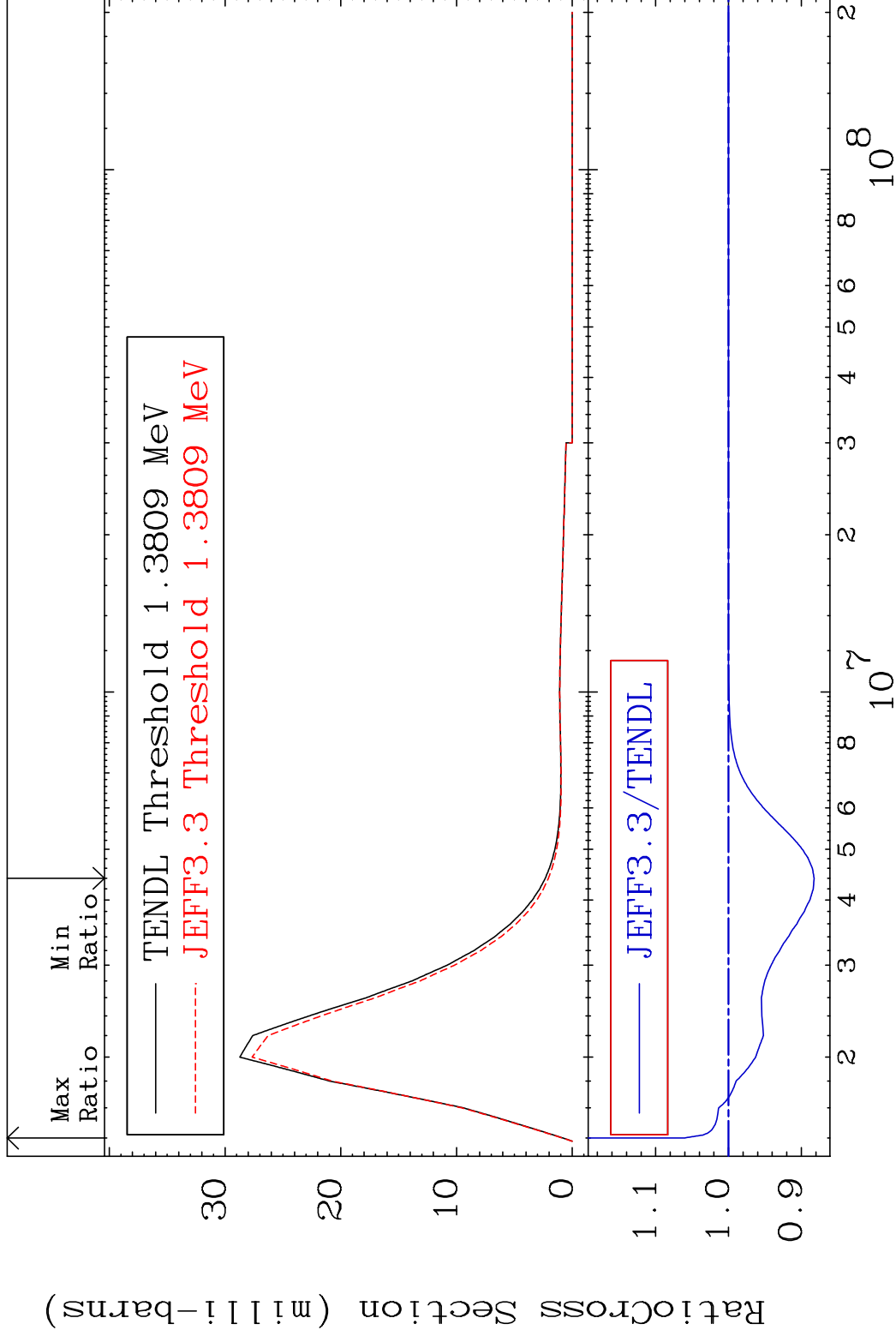


MAT 7837

MT= 57 (n,n') Level

78-Pt-194

Cross Section -11.75 To 6.158 %

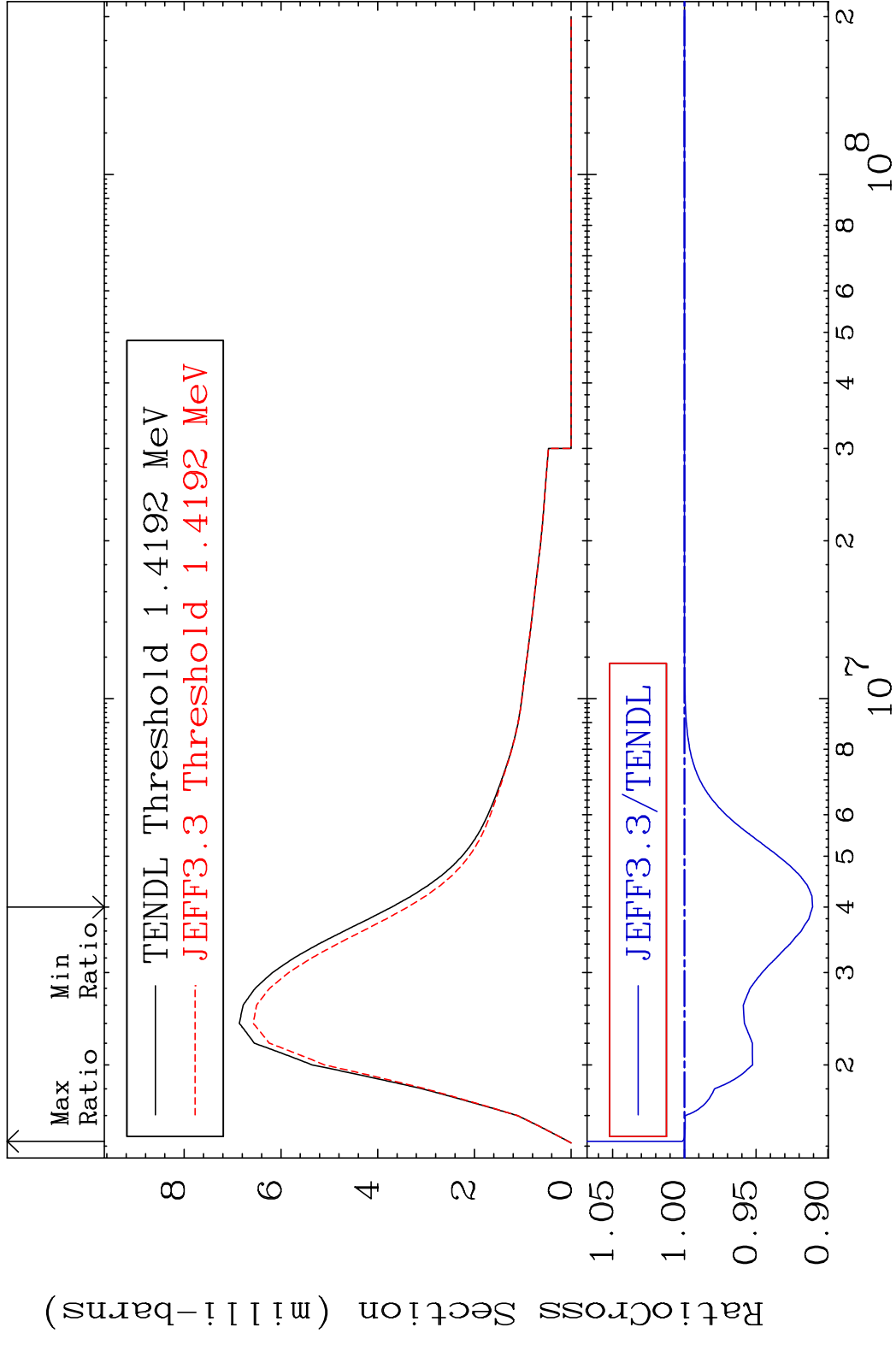


MAT 7837

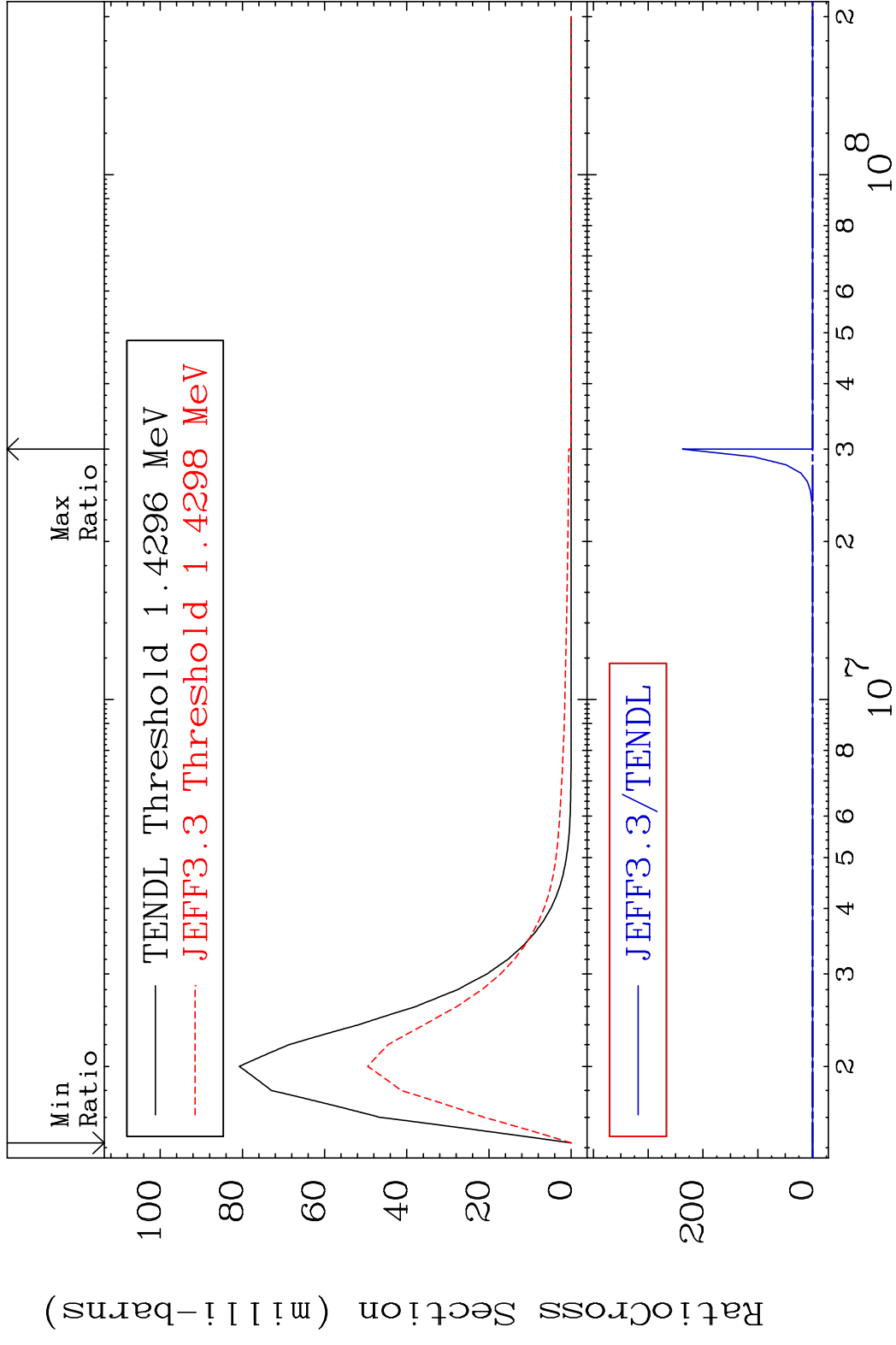
MT= 58 (n,n') Level

78-Pt-194

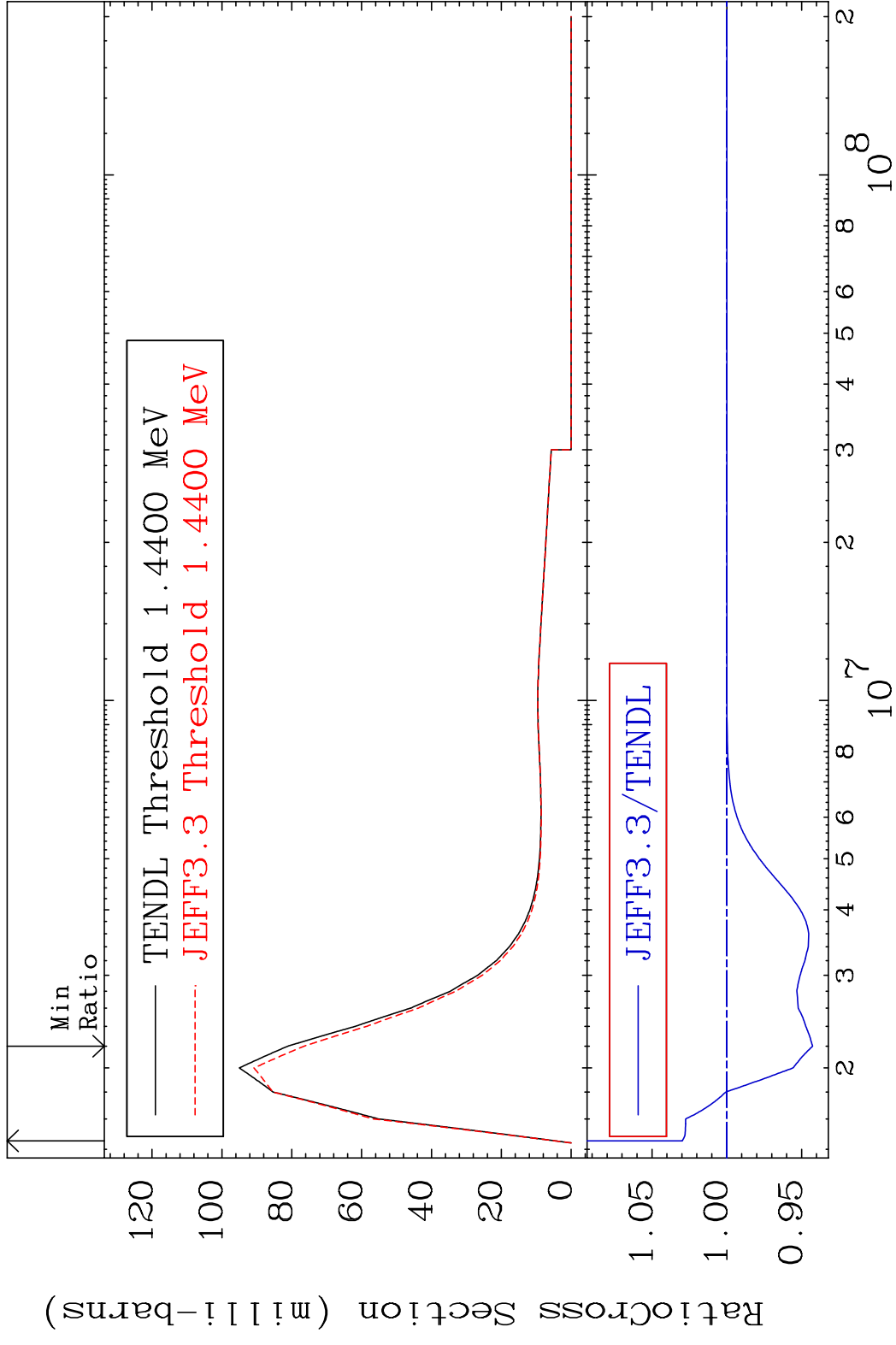
Cross Section -8.932 To 0.145 %



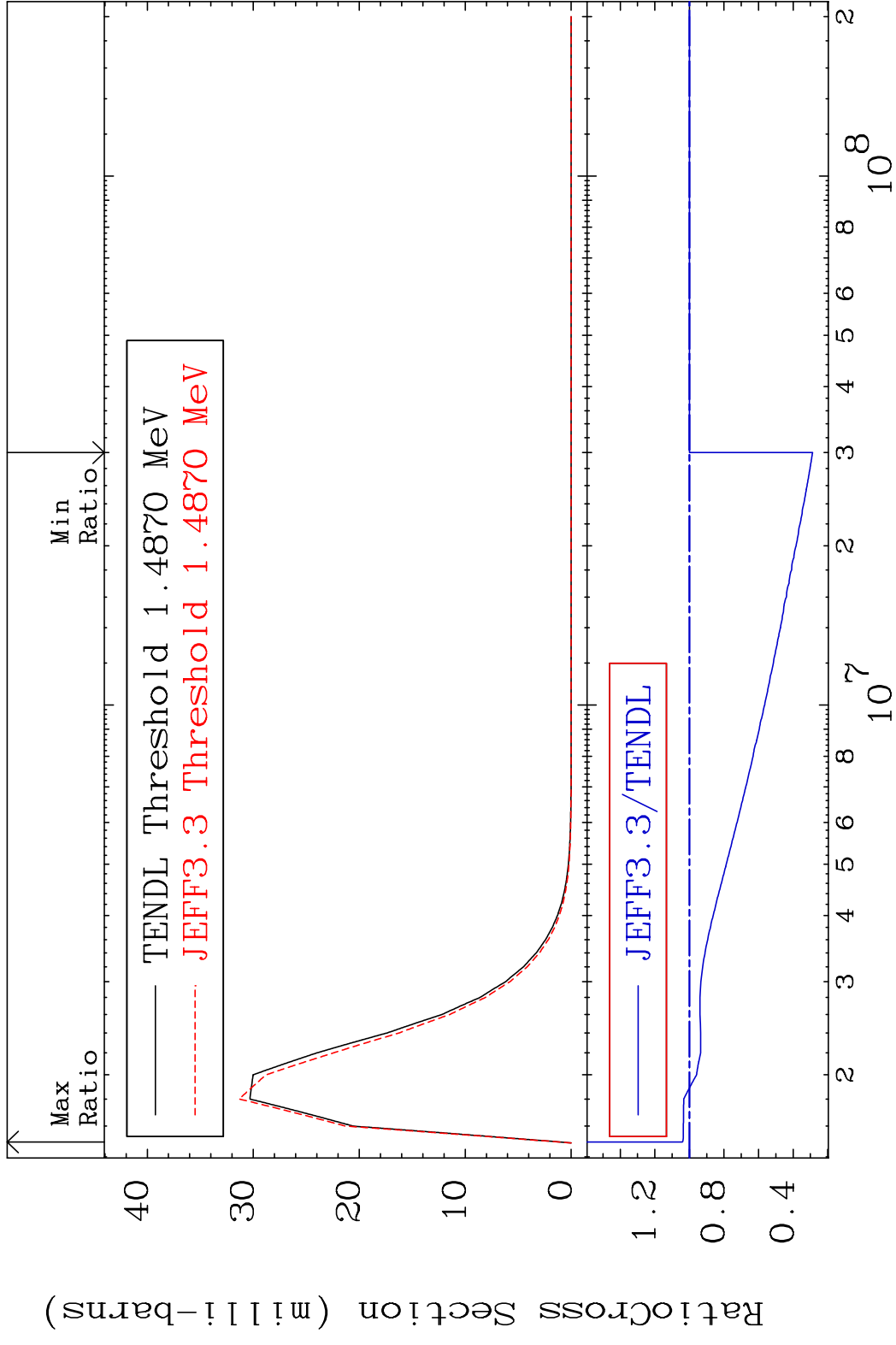
MAT 7837 MT= 59 (n,n') Level 78-Pt-194
 Cross Section -100.0 To 9999. %



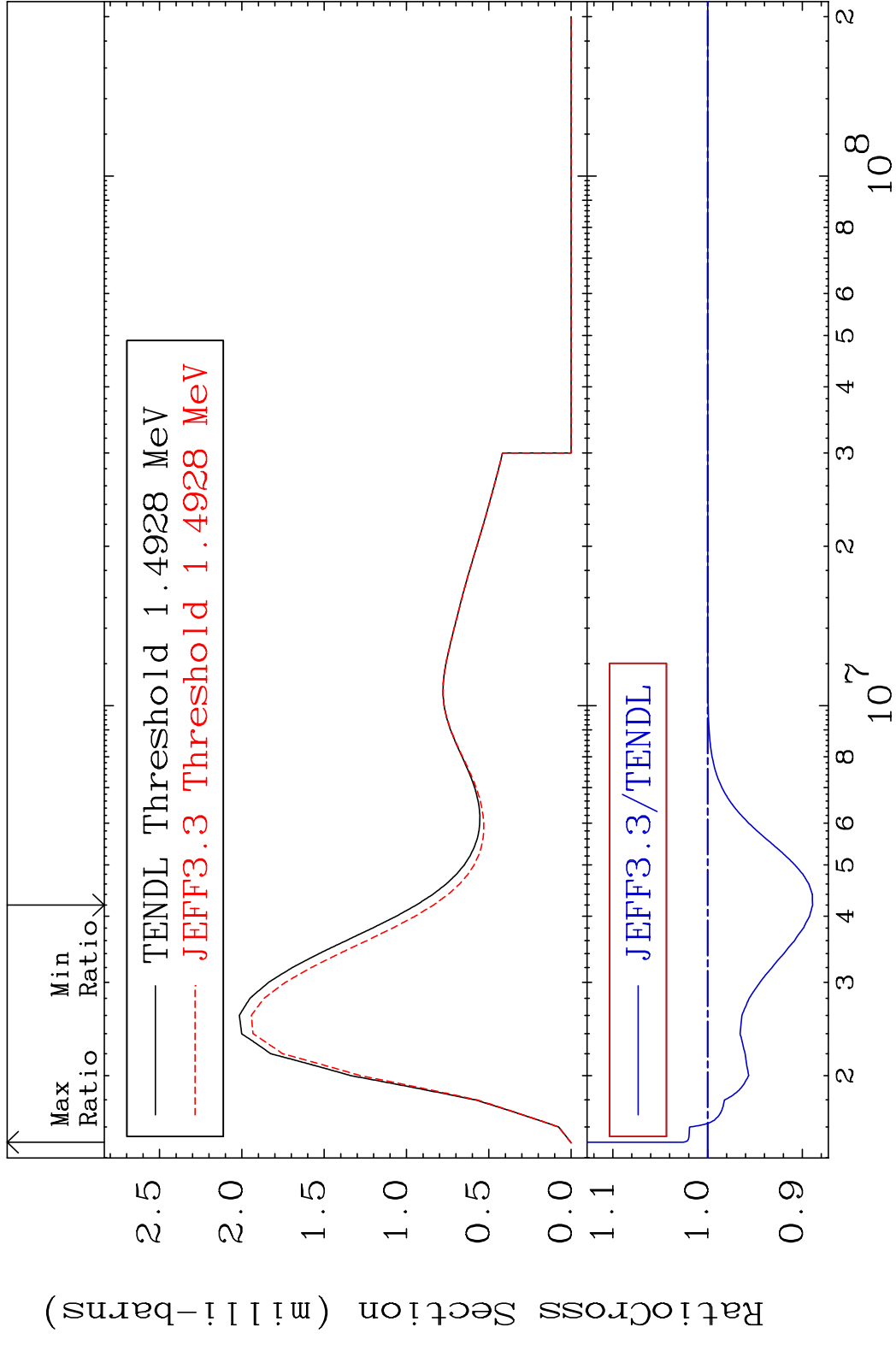
MAT 7837 MT= 60 (n,n') Level 78-Pt-194
 Cross Section -5.731 To 2.969 %



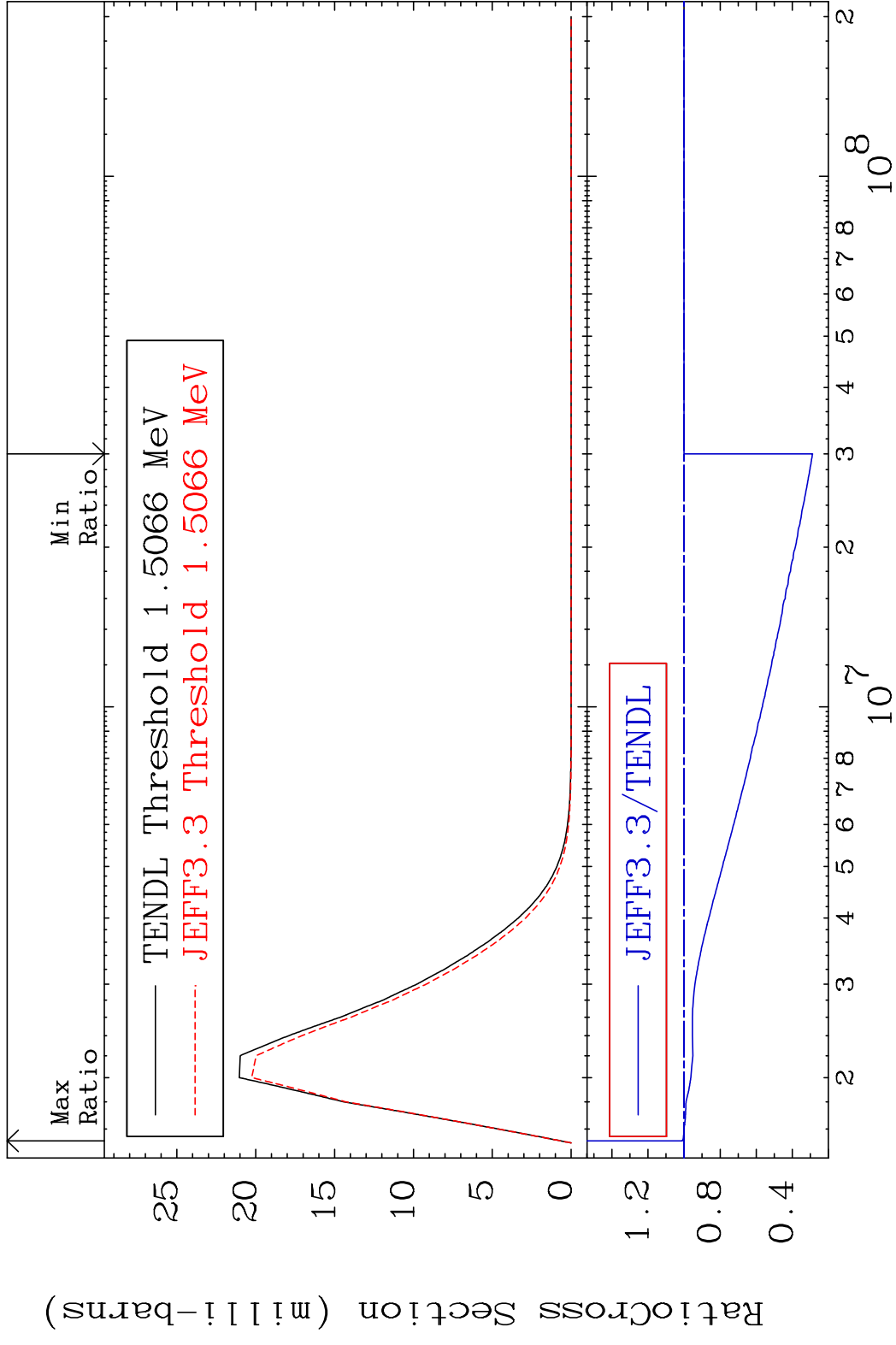
MAT 7837 MT= 61 (n, n') Level 78-Pt-194
 Cross Section -71.25 To 4.073 %



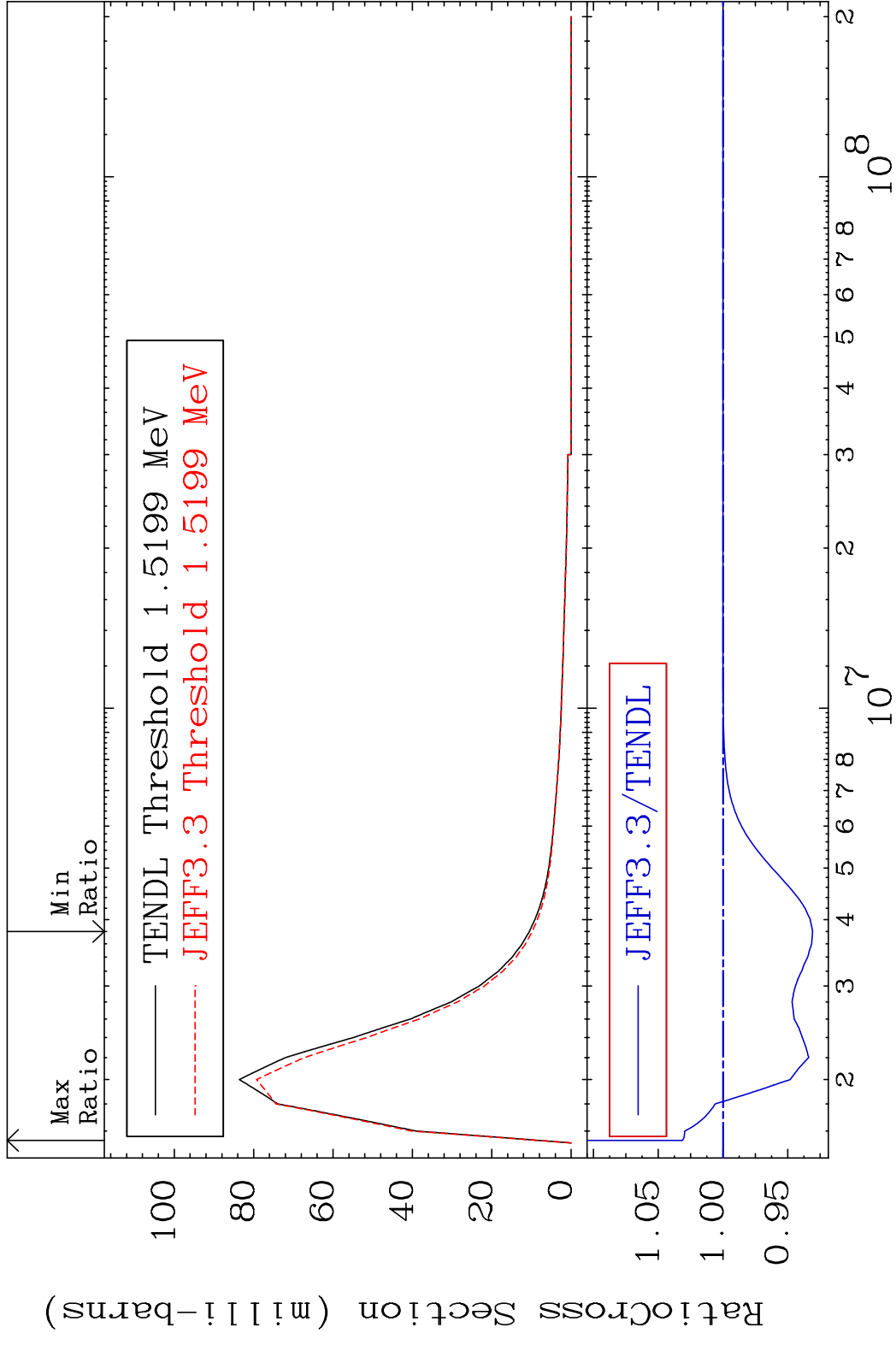
MAT 7837 MT= 62 (n, n') Level 78-Pt-194
 Cross Section -11.08 To 2.667 %



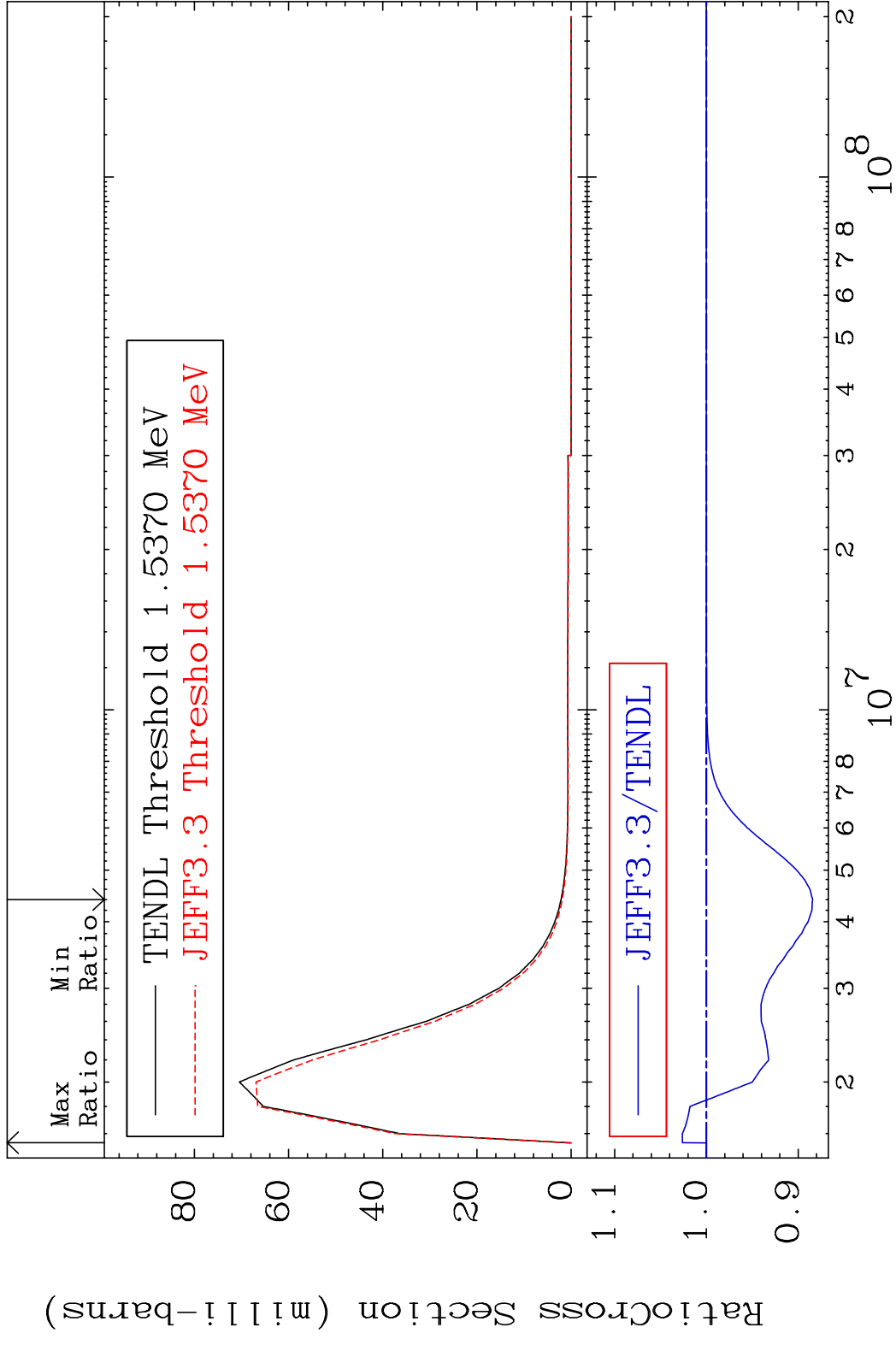
MAT 7837 MT= 63 (n, n') Level 78-Pt-194
 Cross Section -71.23 To 0.952 %



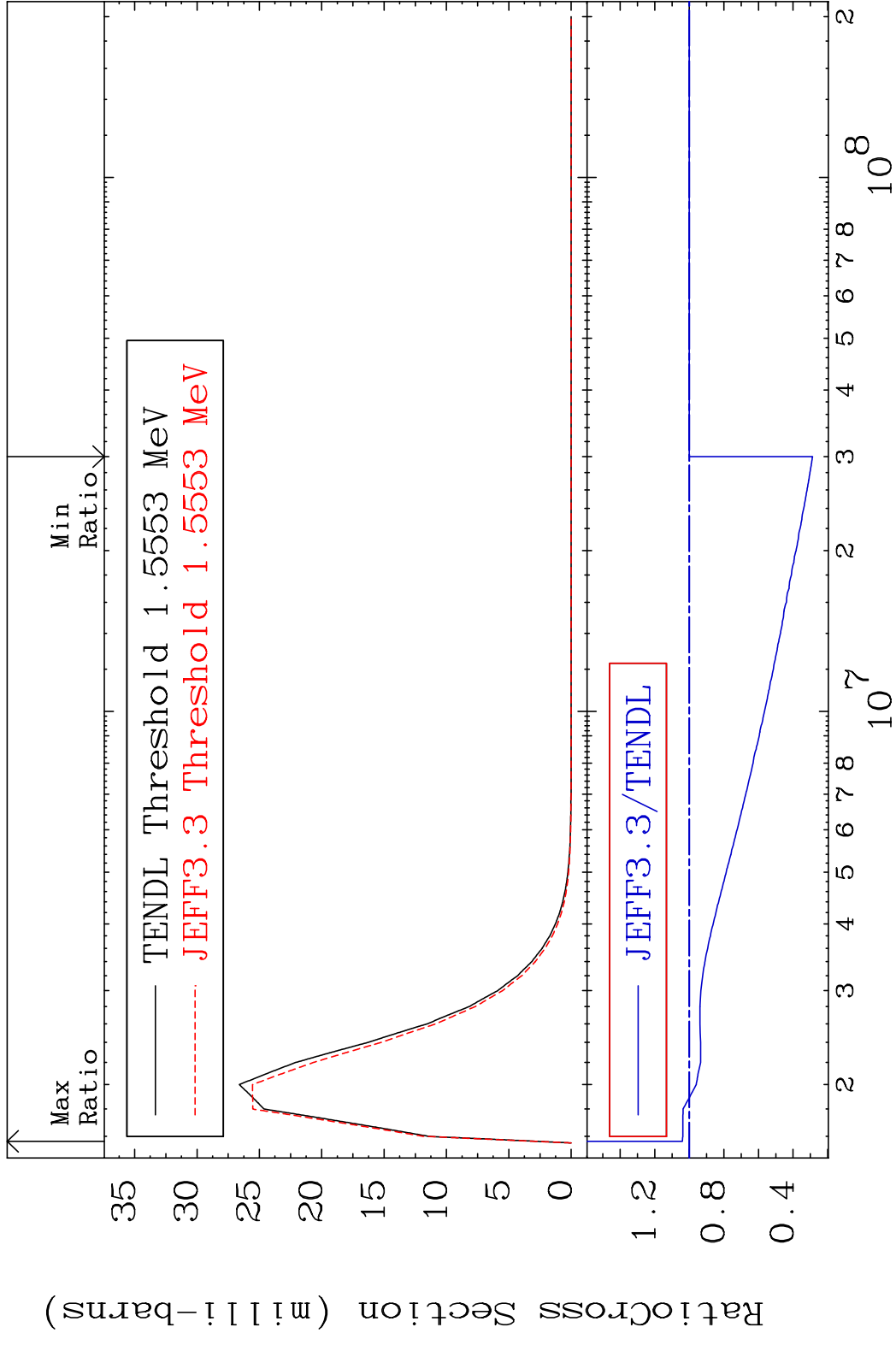
MAT 7837 MT= 64 (n,n') Level 78-Pt-194
 Cross Section -6.915 To 3.139 %



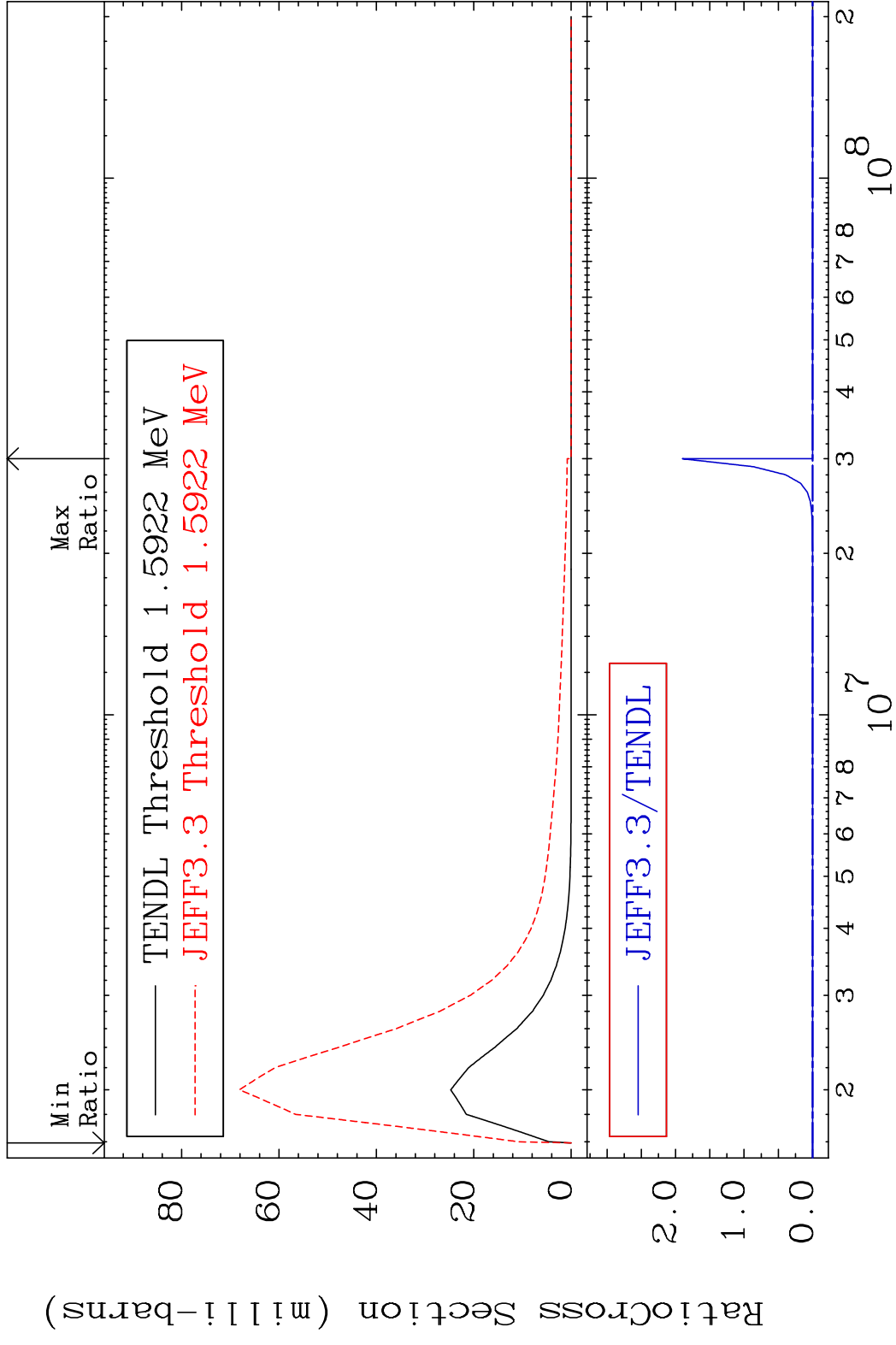
MAT 7837 MT= 65 (n,n') Level 78-Pt-194
 Cross Section -11.56 To 2.623 %



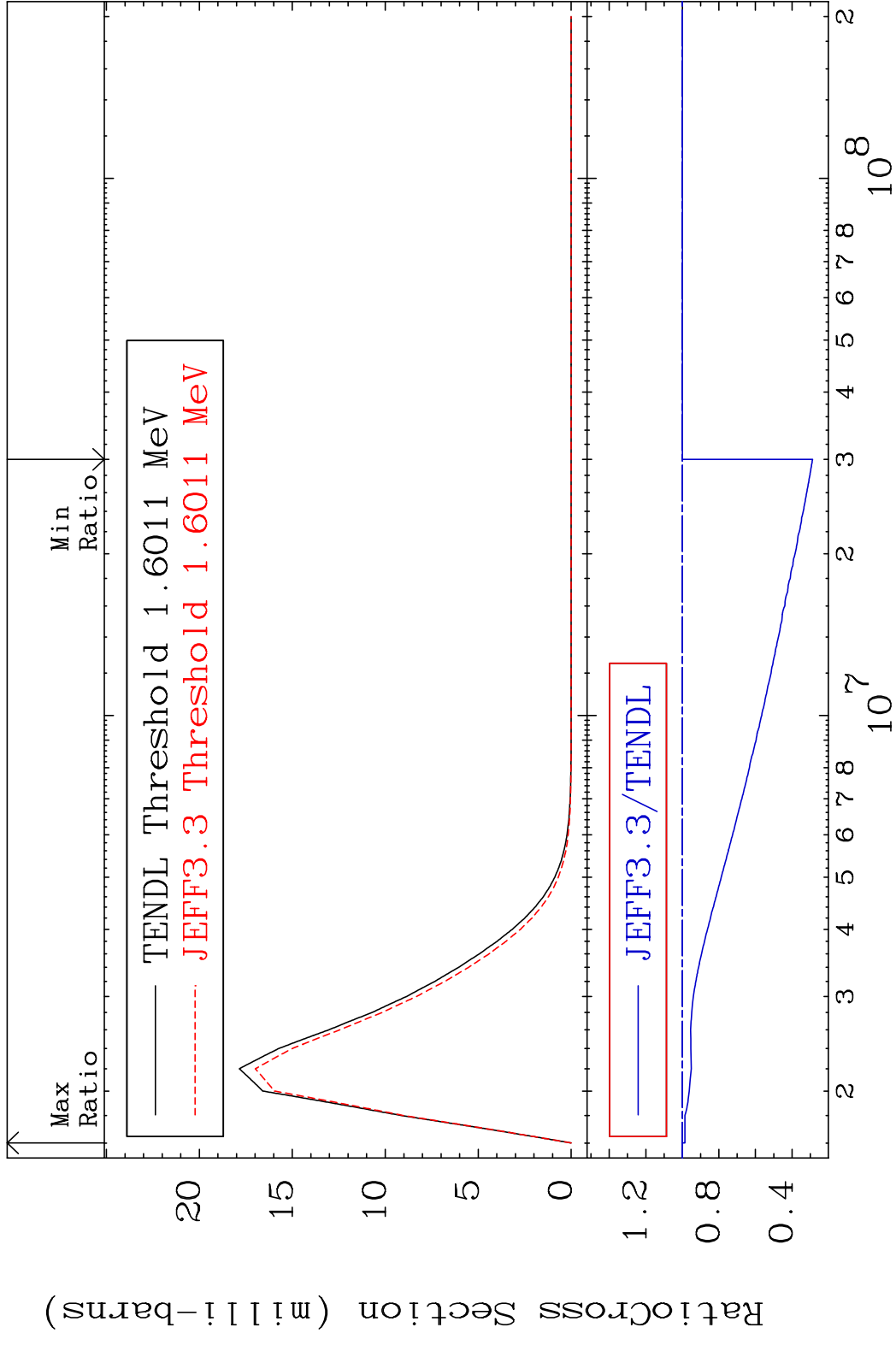
MAT 7837 MT= 66 (n, n') Level 78-Pt-194
 Cross Section -71.25 To 4.041 %



MAT 7837 MT= 67 (n, n') Level 78-Pt-194
 Cross Section -100.0 To 9999. %



MAT 7837 MT= 68 (n, n') Level 78-Pt-194
 Cross Section -71.23 To 0.000 %

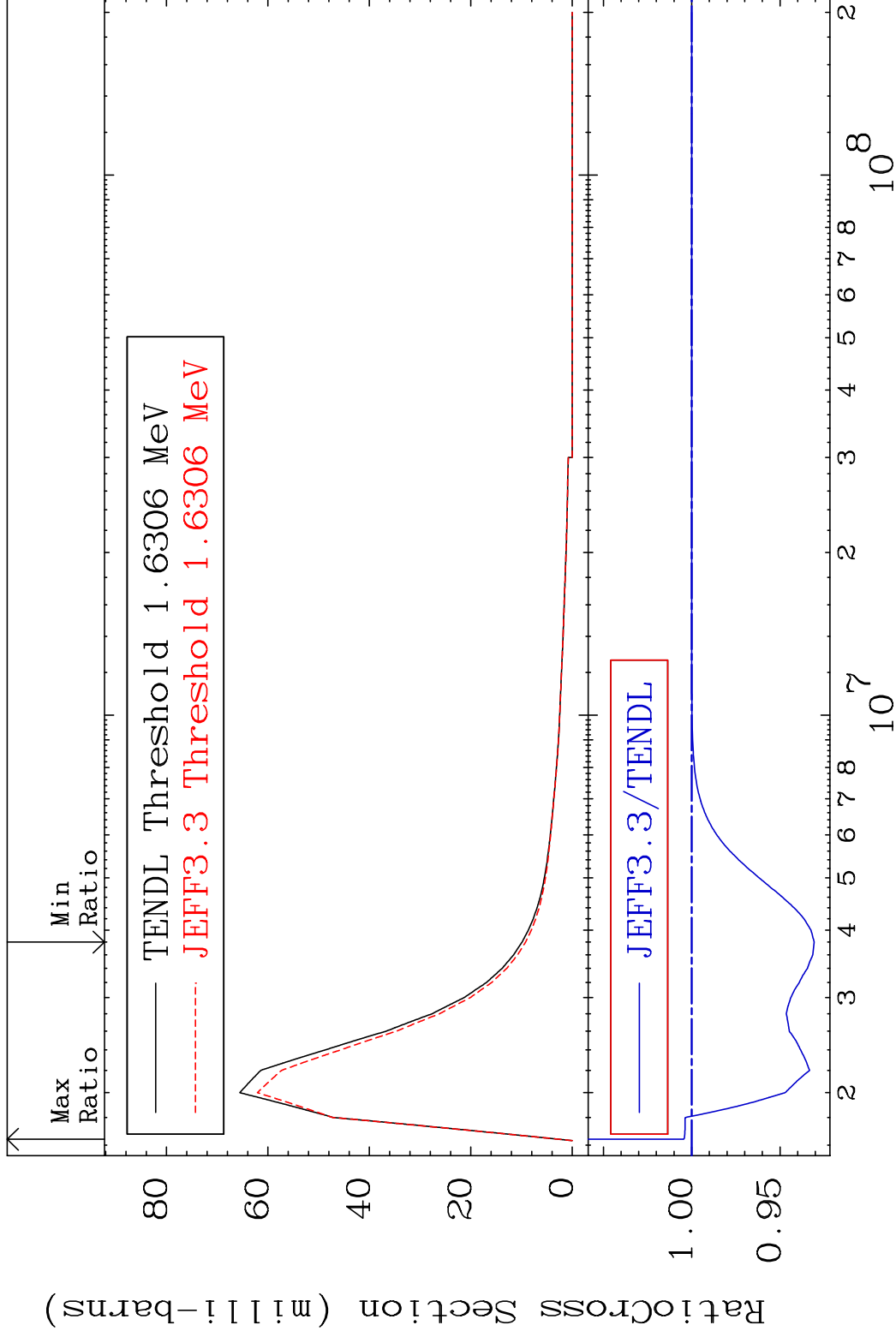


MAT 7837

MT= 69 (n,n') Level

78-Pt-194

Cross Section -6.928 To 0.456 %



38

Incident Energy (eV)

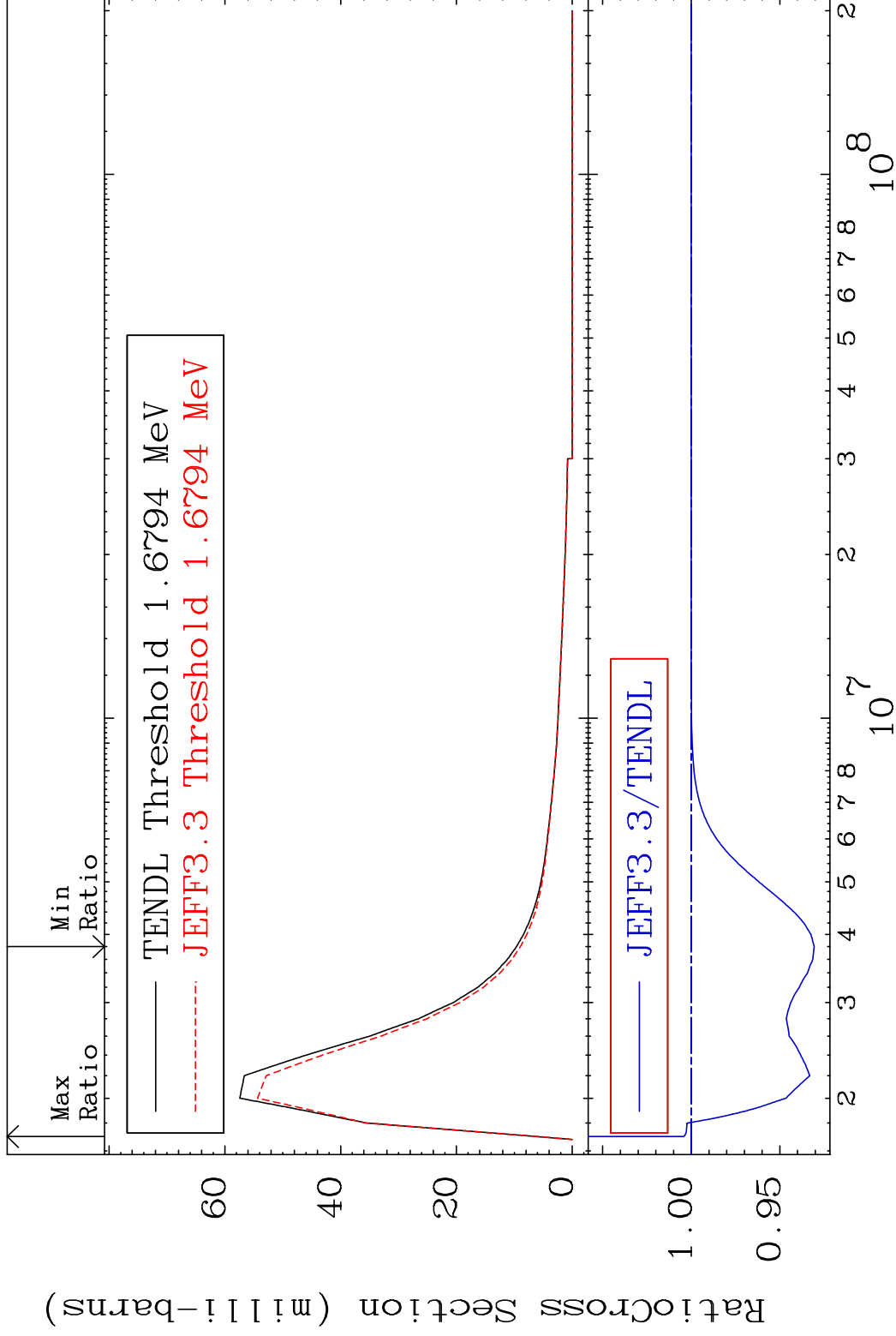
78-Pt-194

MAT 7837

MT= 70 (n,n') Level

78-Pt-194

Cross Section -6.932 To 0.430 %

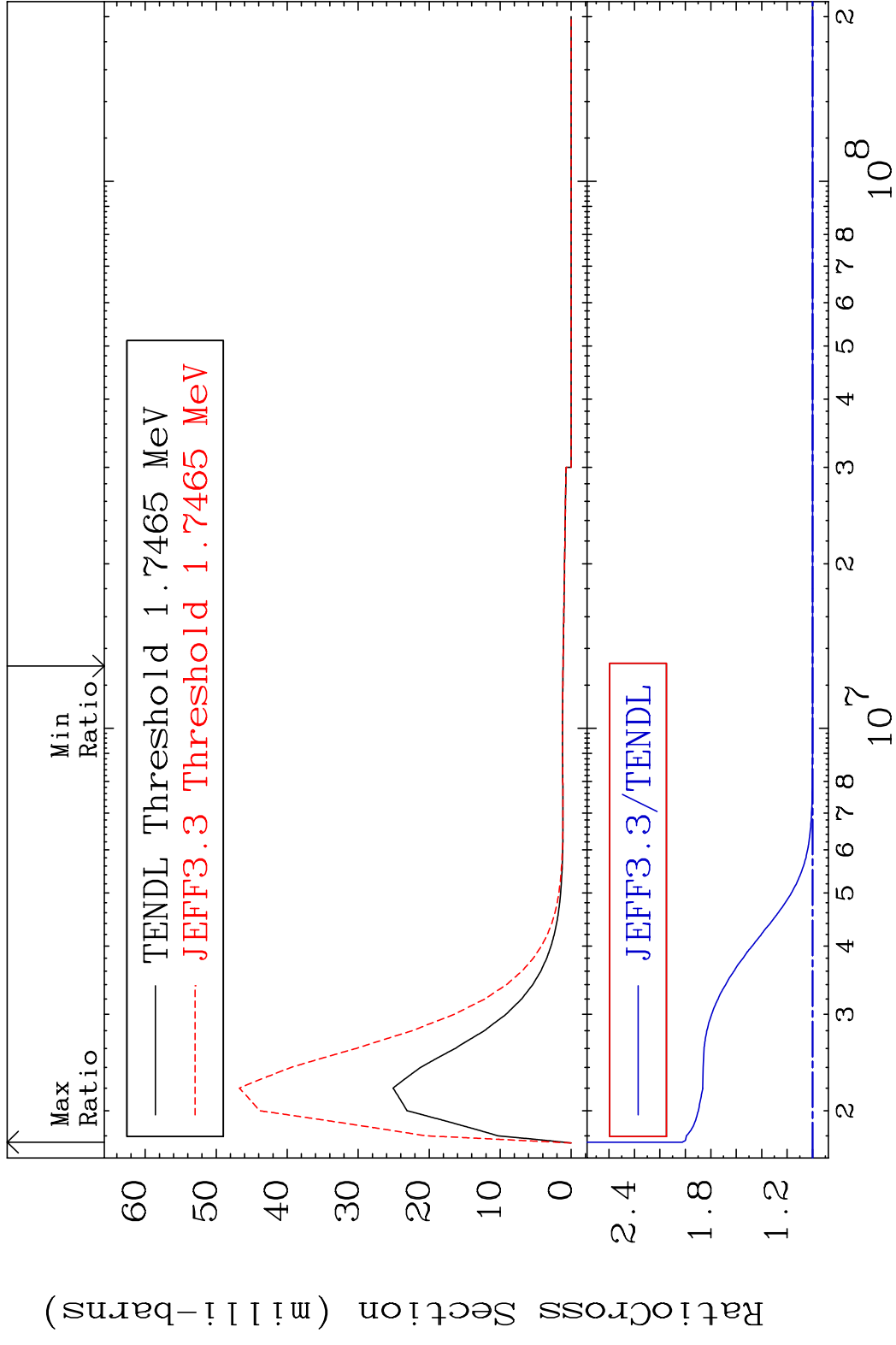


39

Incident Energy (eV)

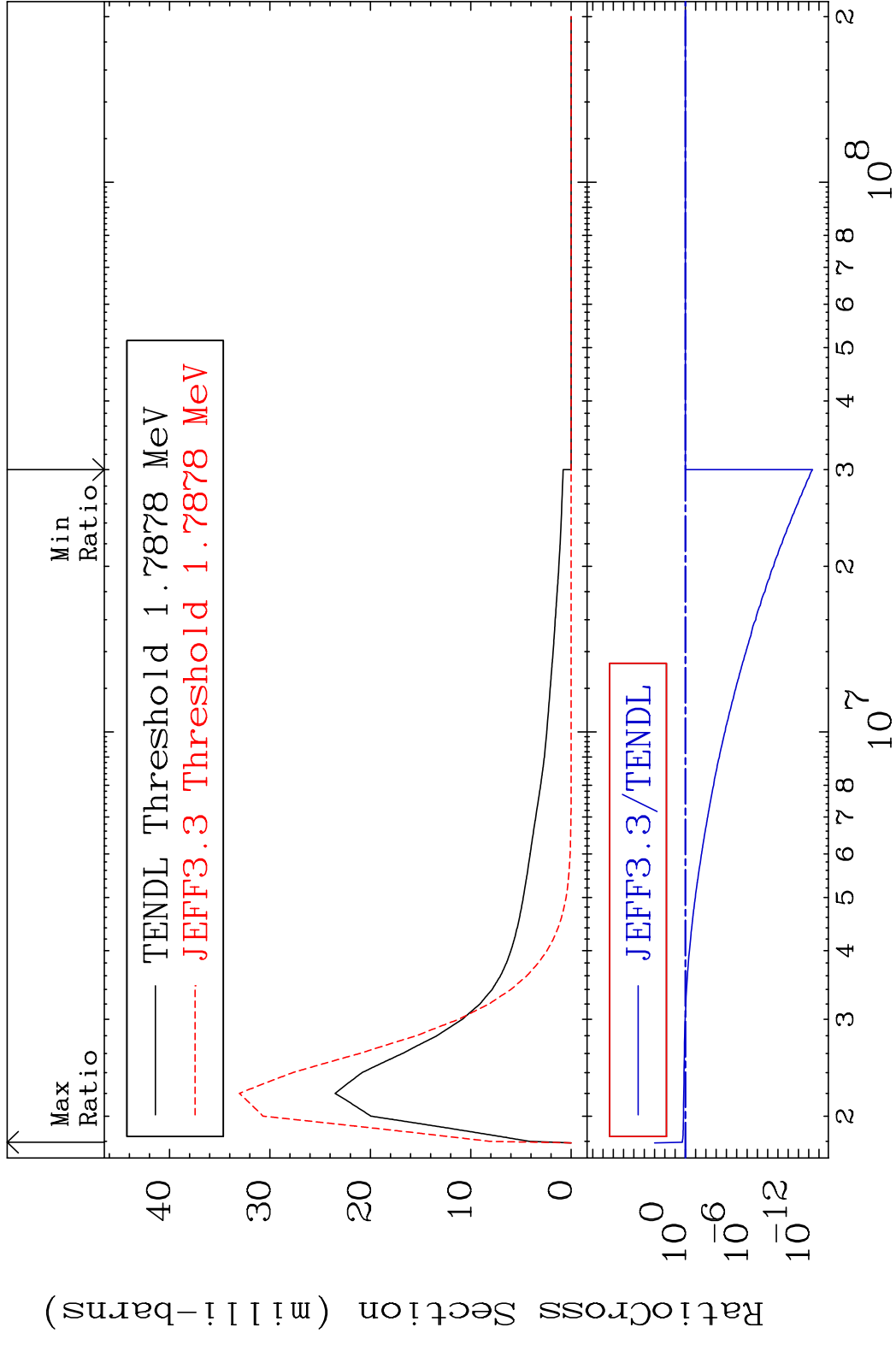
78-Pt-194

MAT 7837 MT= 71 (n,n') Level 78-Pt-194
 Cross Section 0.000 To 102.4 %

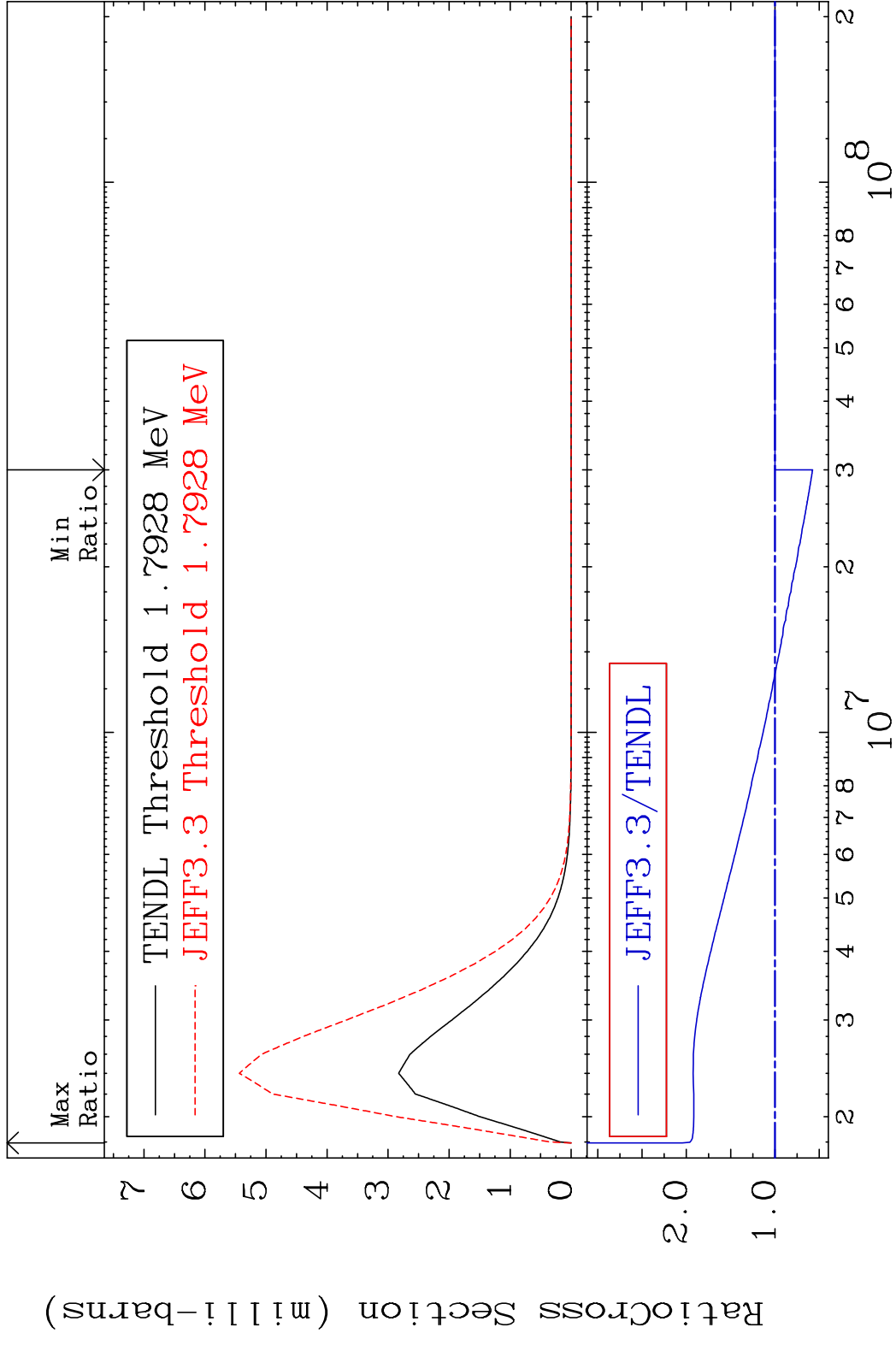


40 Incident Energy (eV) 78-Pt-194

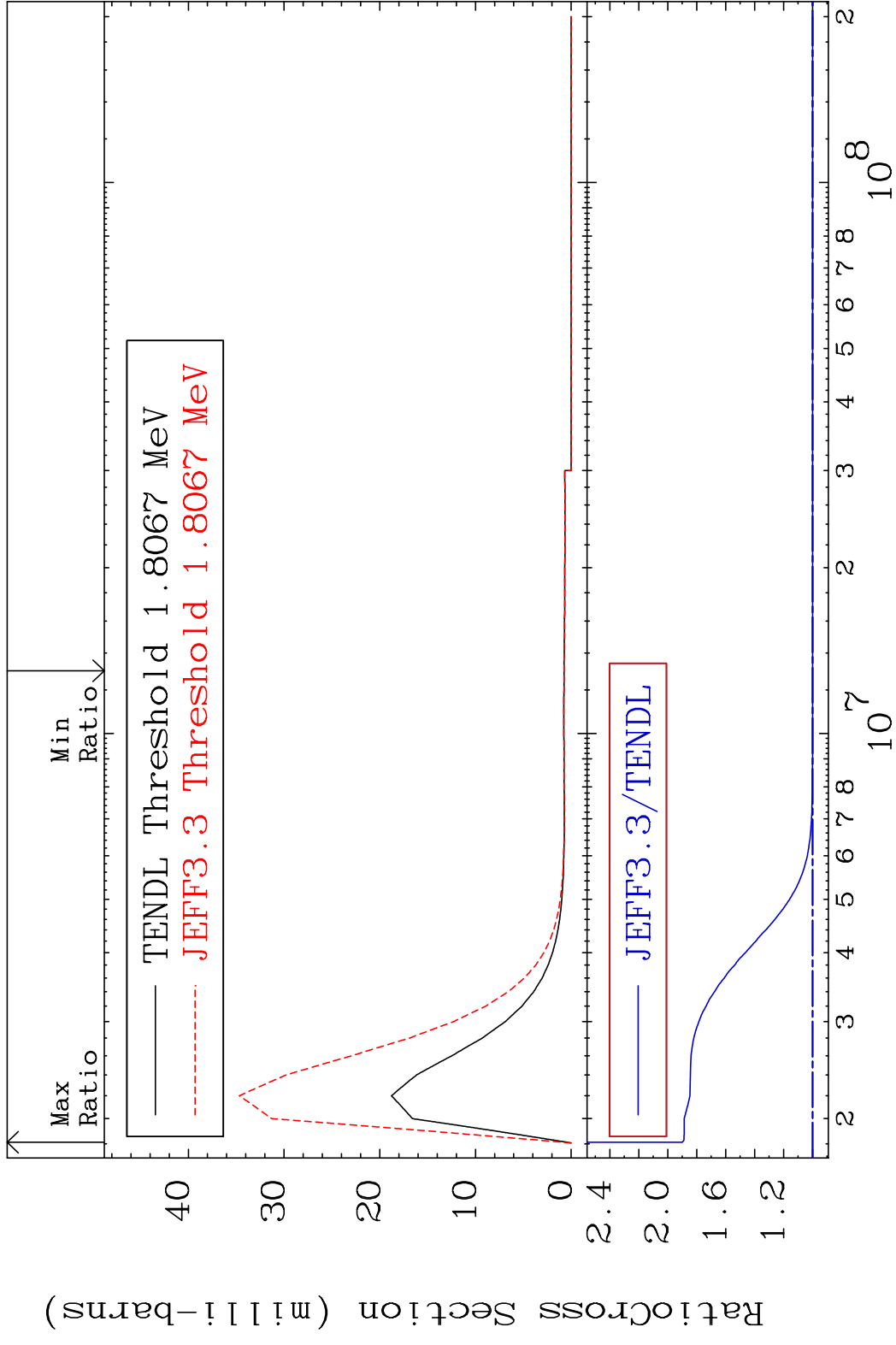
MAT 7837 MT= 72 (n, n') Level 78-Pt-194
 Cross Section -100.0 To 95.33 %



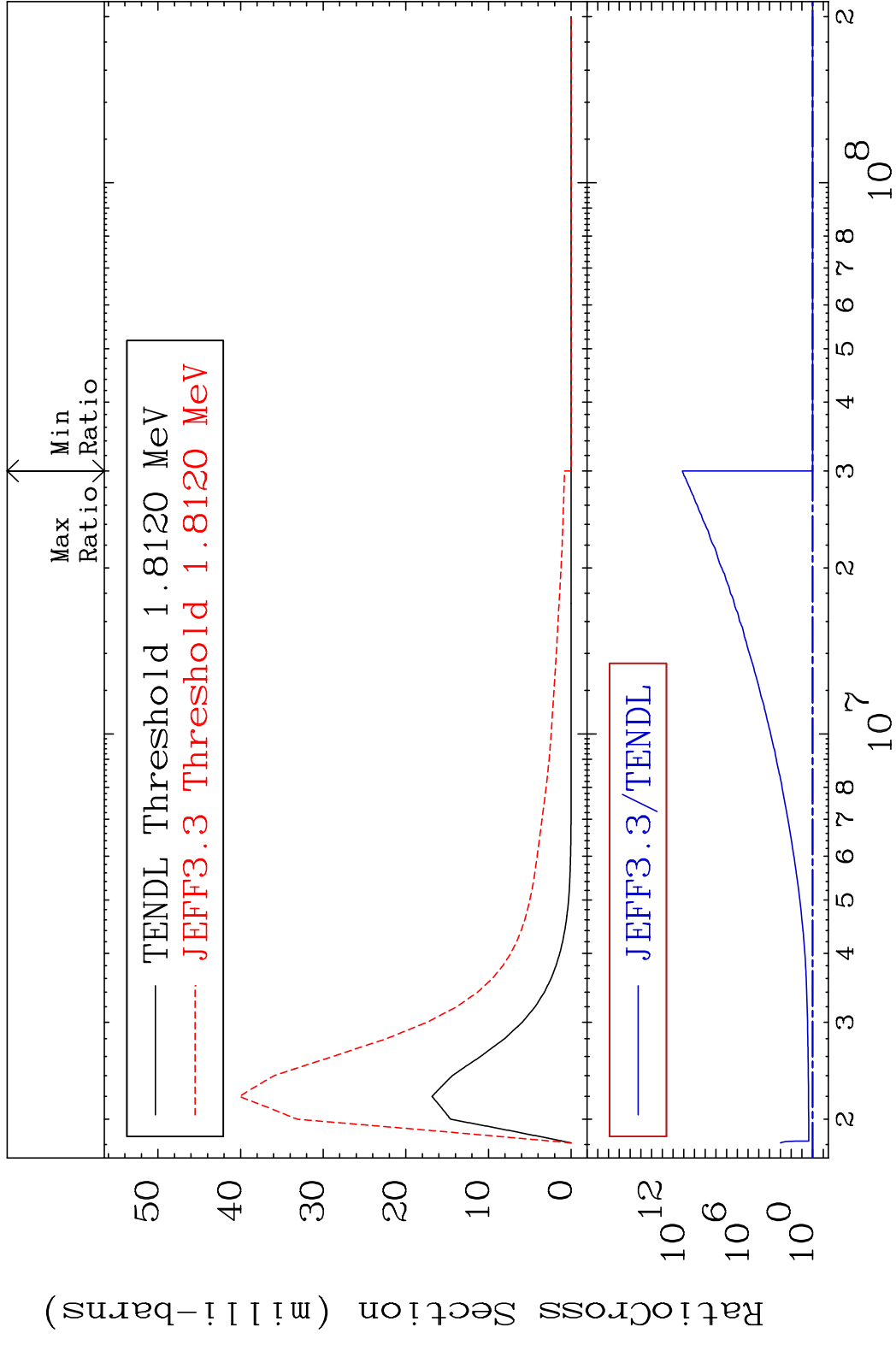
MAT 7837 MT= 73 (n, n') Level 78-Pt-194
 Cross Section -42.46 To 104.5 %



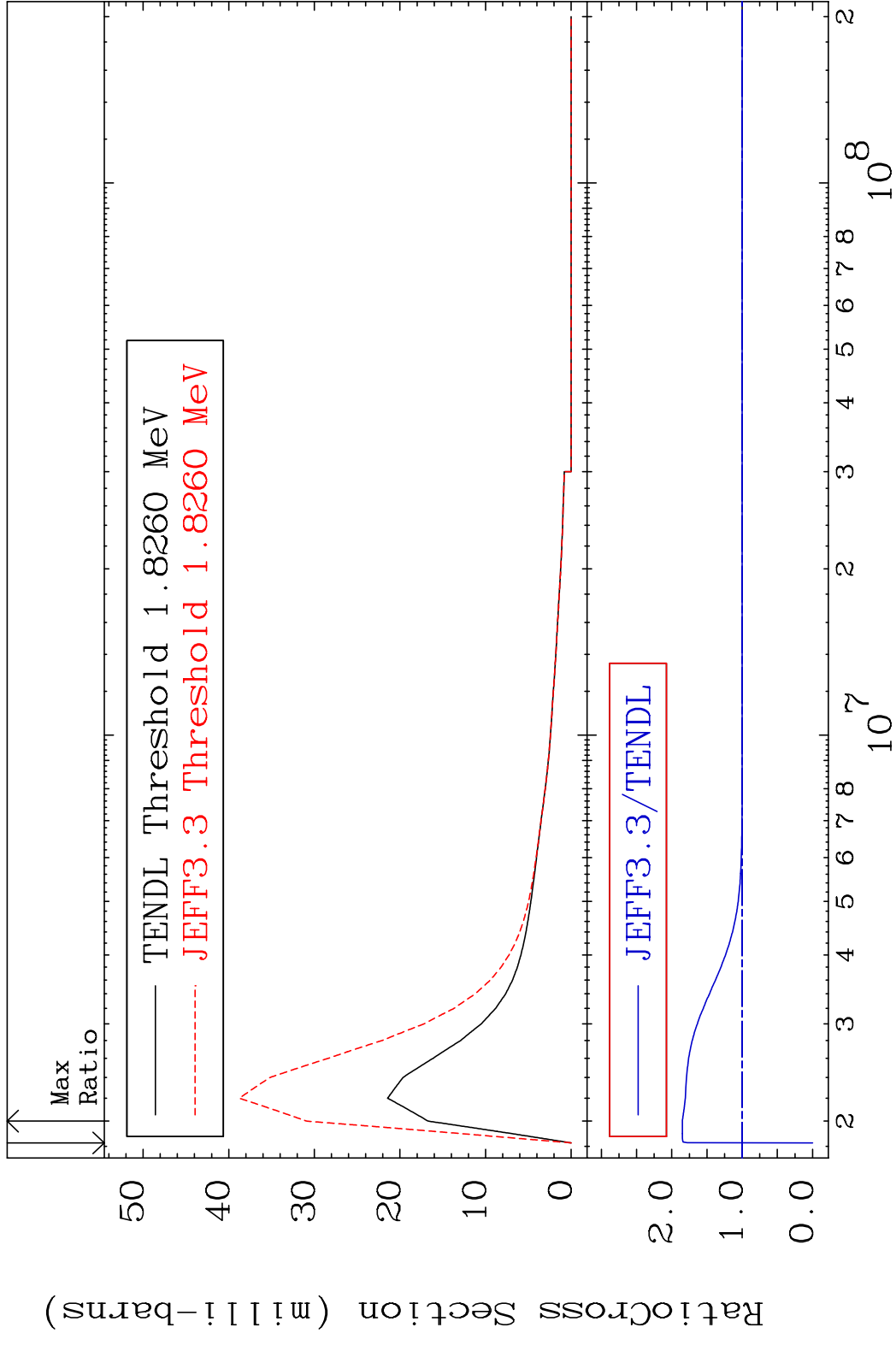
MAT 7837 MT= 74 (n, n') Level 78-Pt-194
 Cross Section 0.000 To 89.93 %



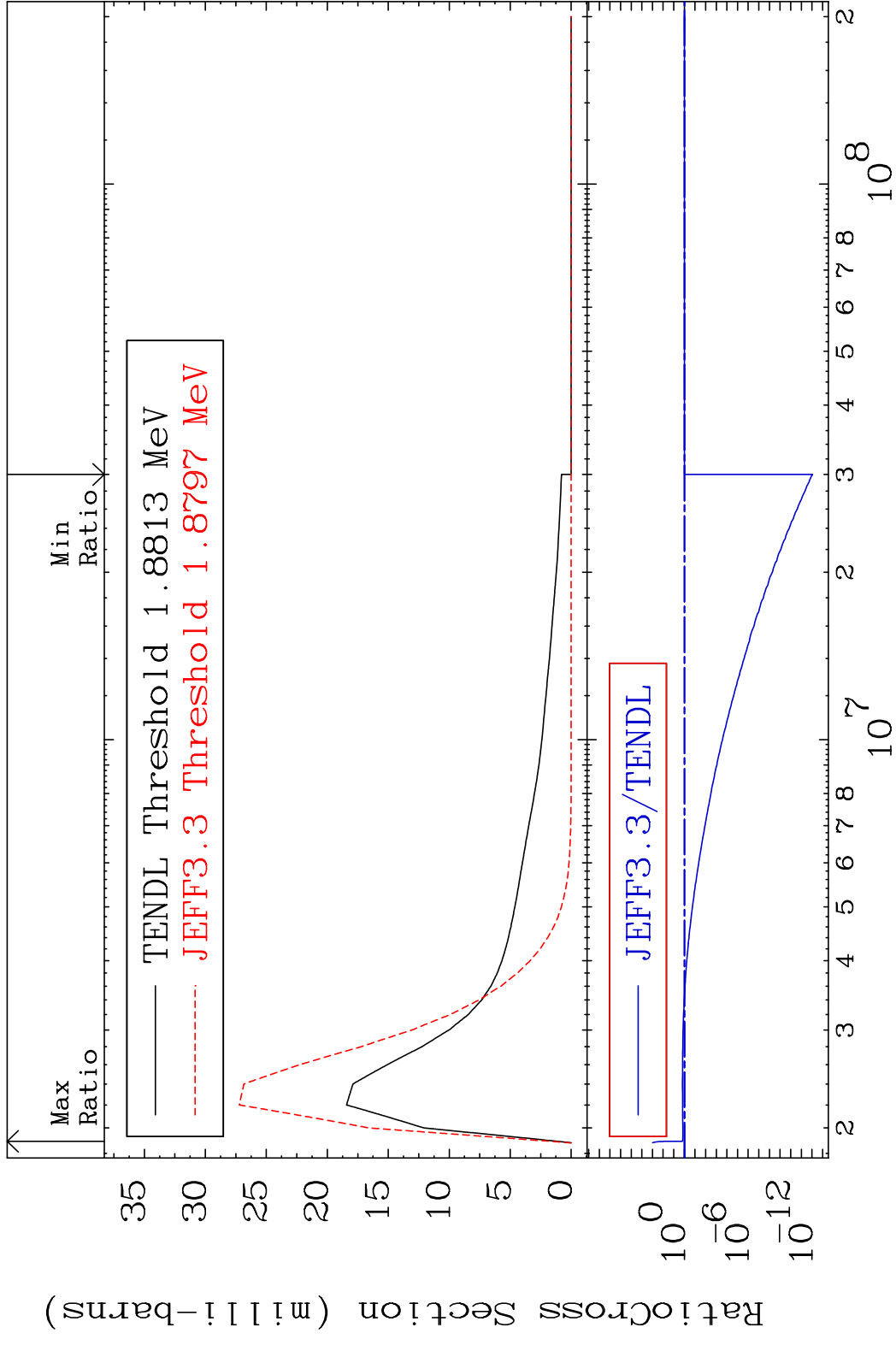
MAT 7837 MT= 75 (n, n') Level 78-Pt-194
 Cross Section 0.000 To 9999. %



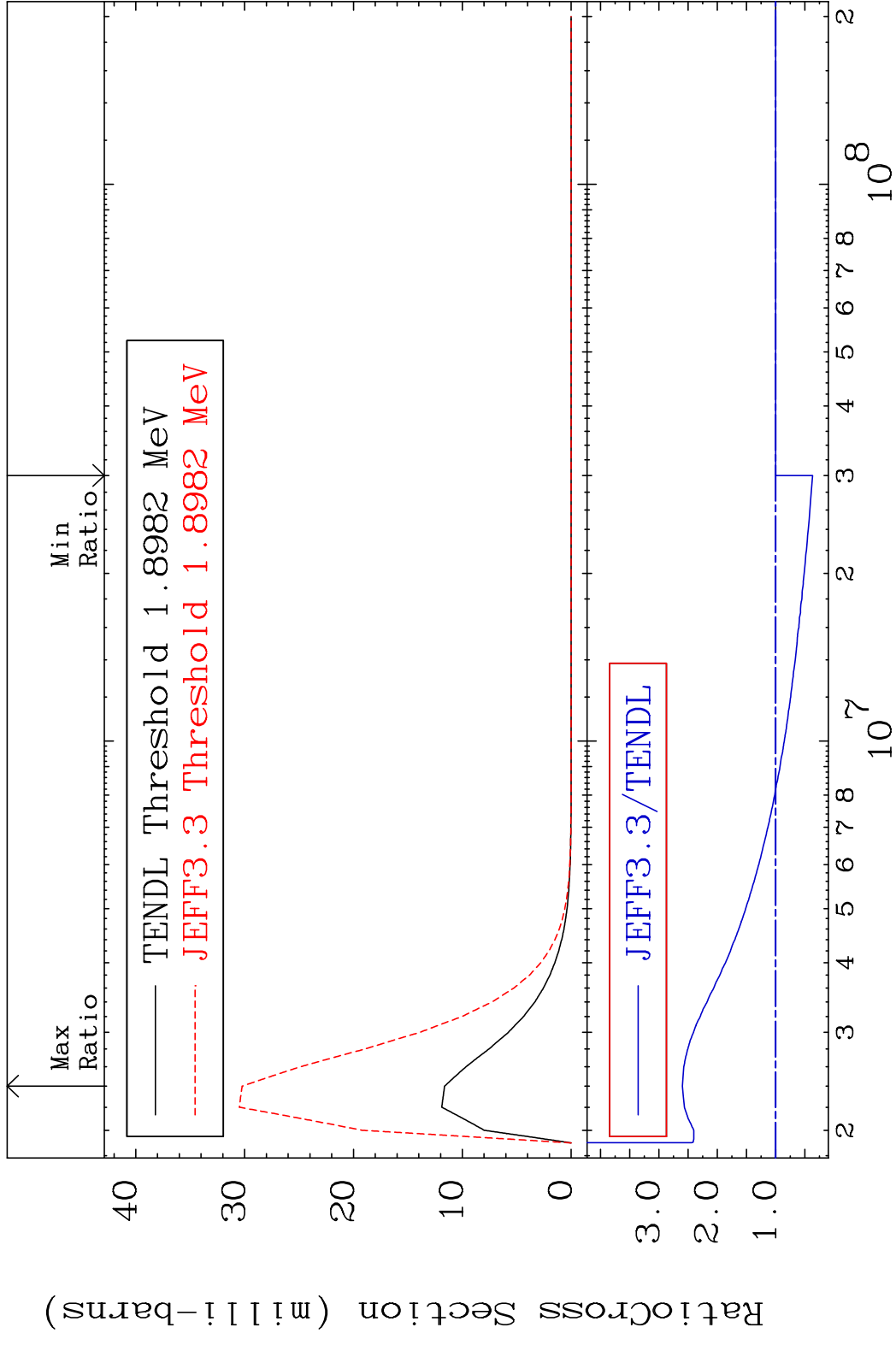
MAT 7837 MT= 76 (n, n') Level 78-Pt-194
 Cross Section -100.0 To 84.98 %



MAT 7837 MT= 77 (n, n') Level 78-Pt-194
 Cross Section -100.0 To 54.78 %



MAT 7837 MT= 78 (n,n') Level 78-Pt-194
 Cross Section -63.07 To 159.9 %

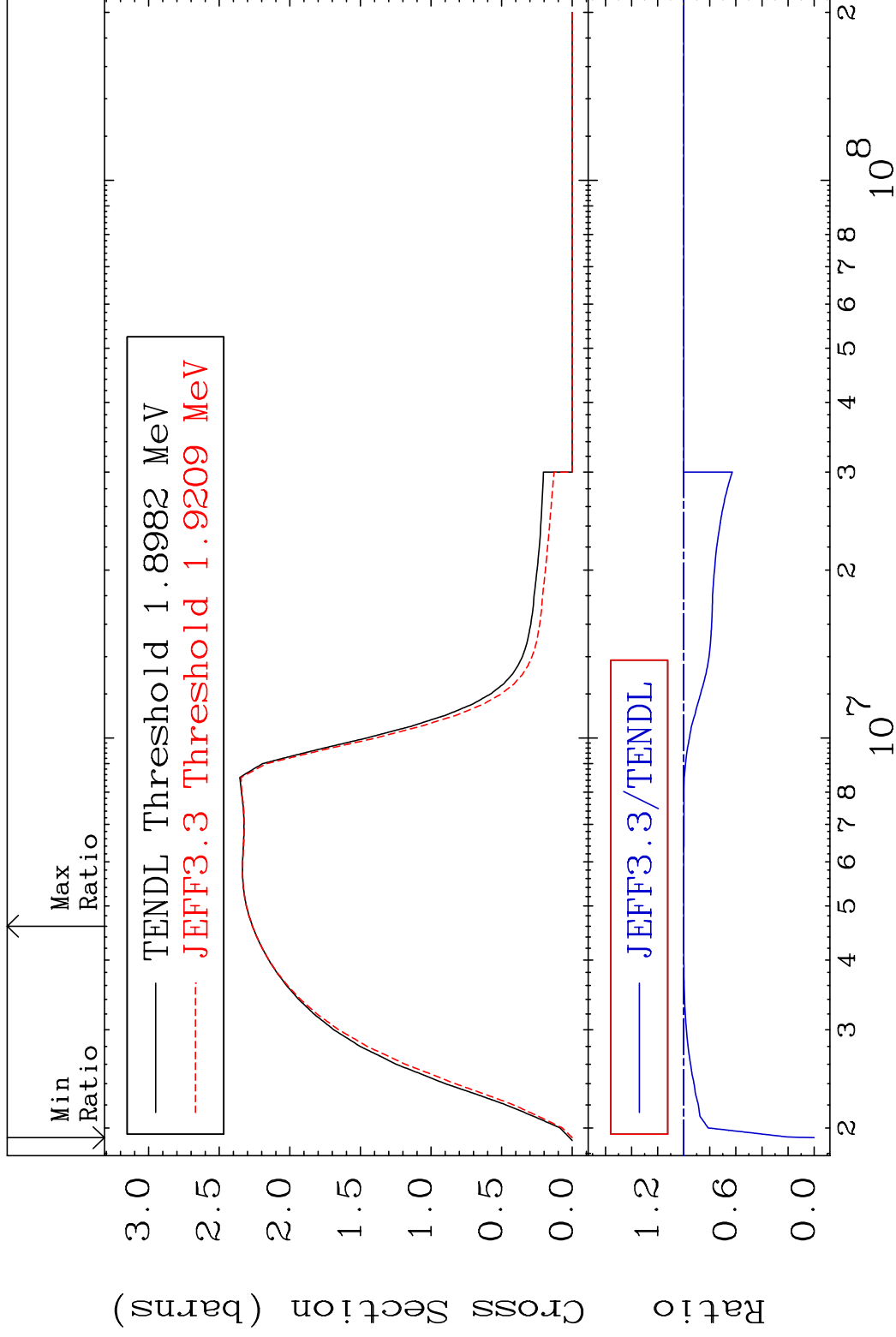


MAT 7837

(n, n') Continuum

78-Pt-194

Cross Section -100.0 To 0.042 %



48

Incident Energy (eV)

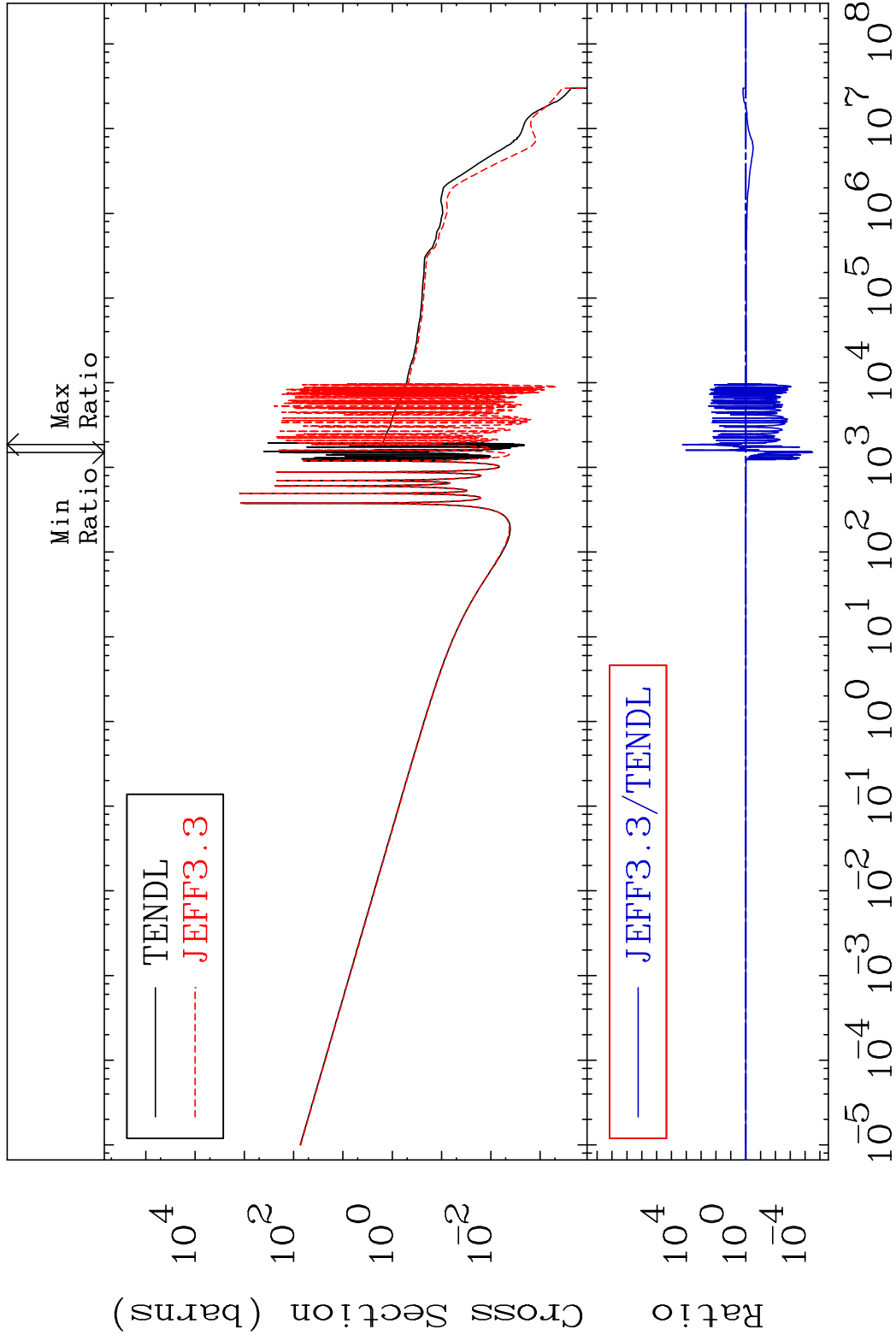
78-Pt-194

MAT 7837

(n, γ)

78-Pt-194

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

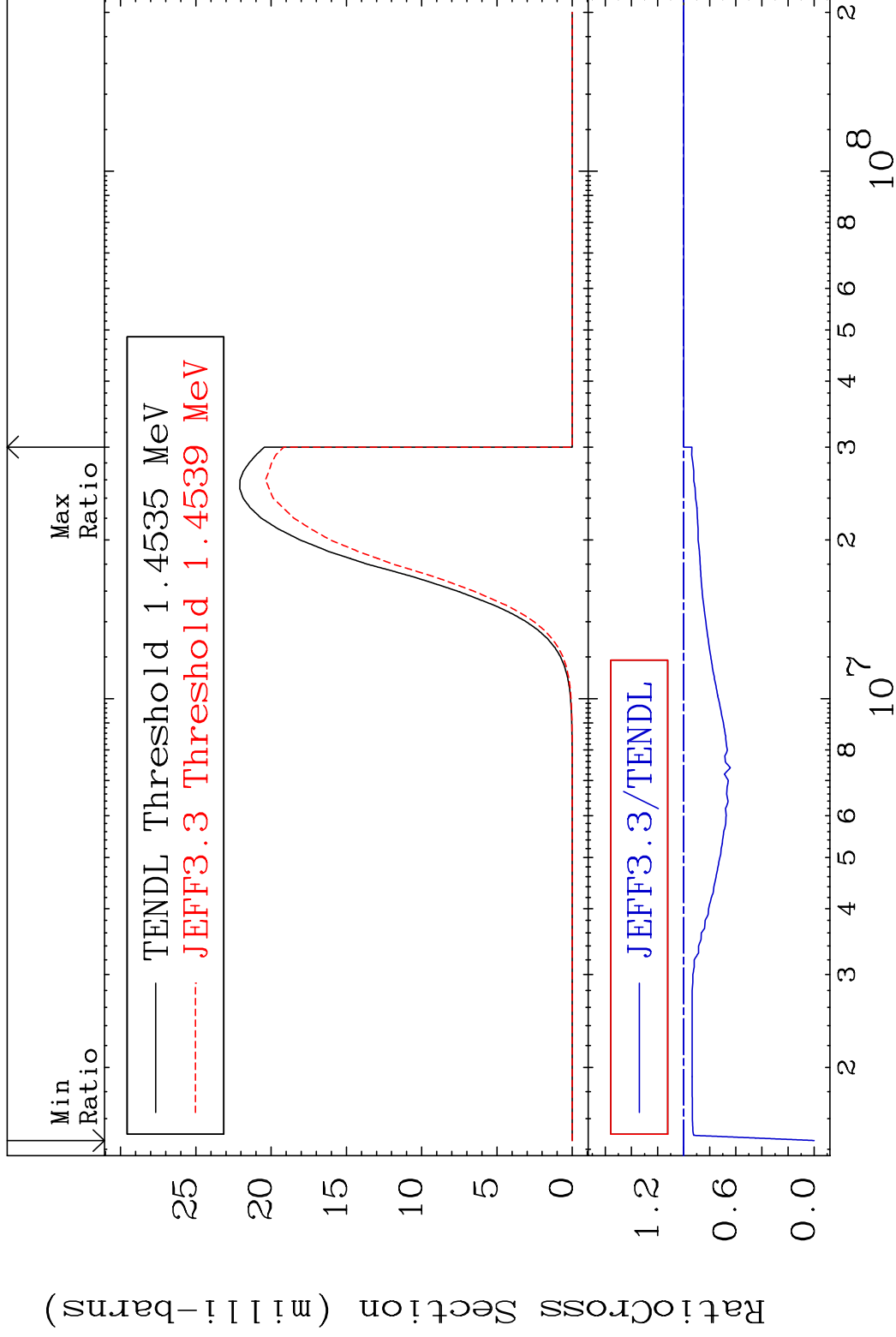
78-Pt-194

MAT 7837

(n, p)

78-Pt-194

Cross Section -100.0 To 0.000 %

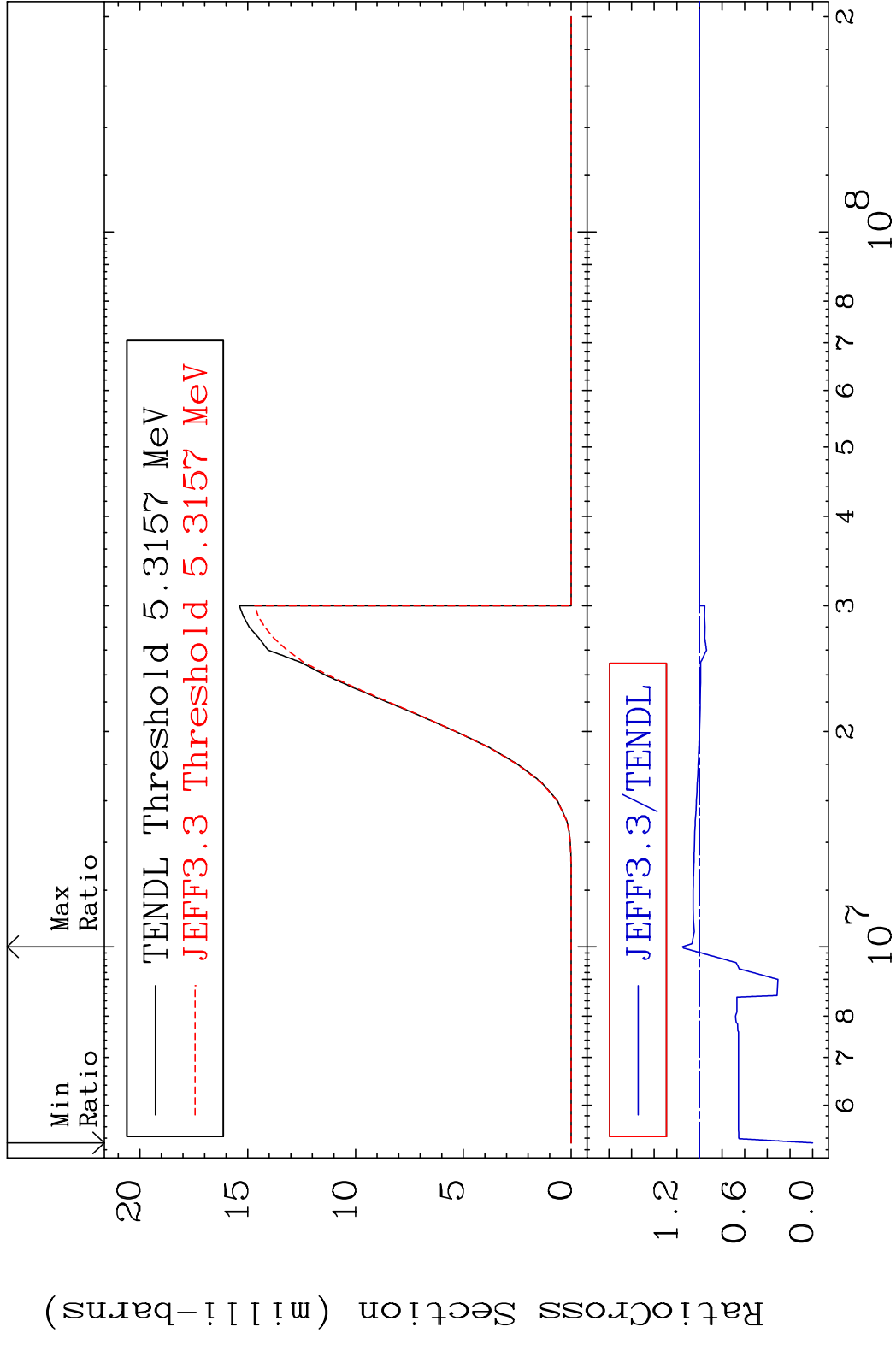


50

Incident Energy (eV)

78-Pt-194

MAT 7837 (n,d) 78-Pt-194
 Cross Section -100.0 To 15.11 %

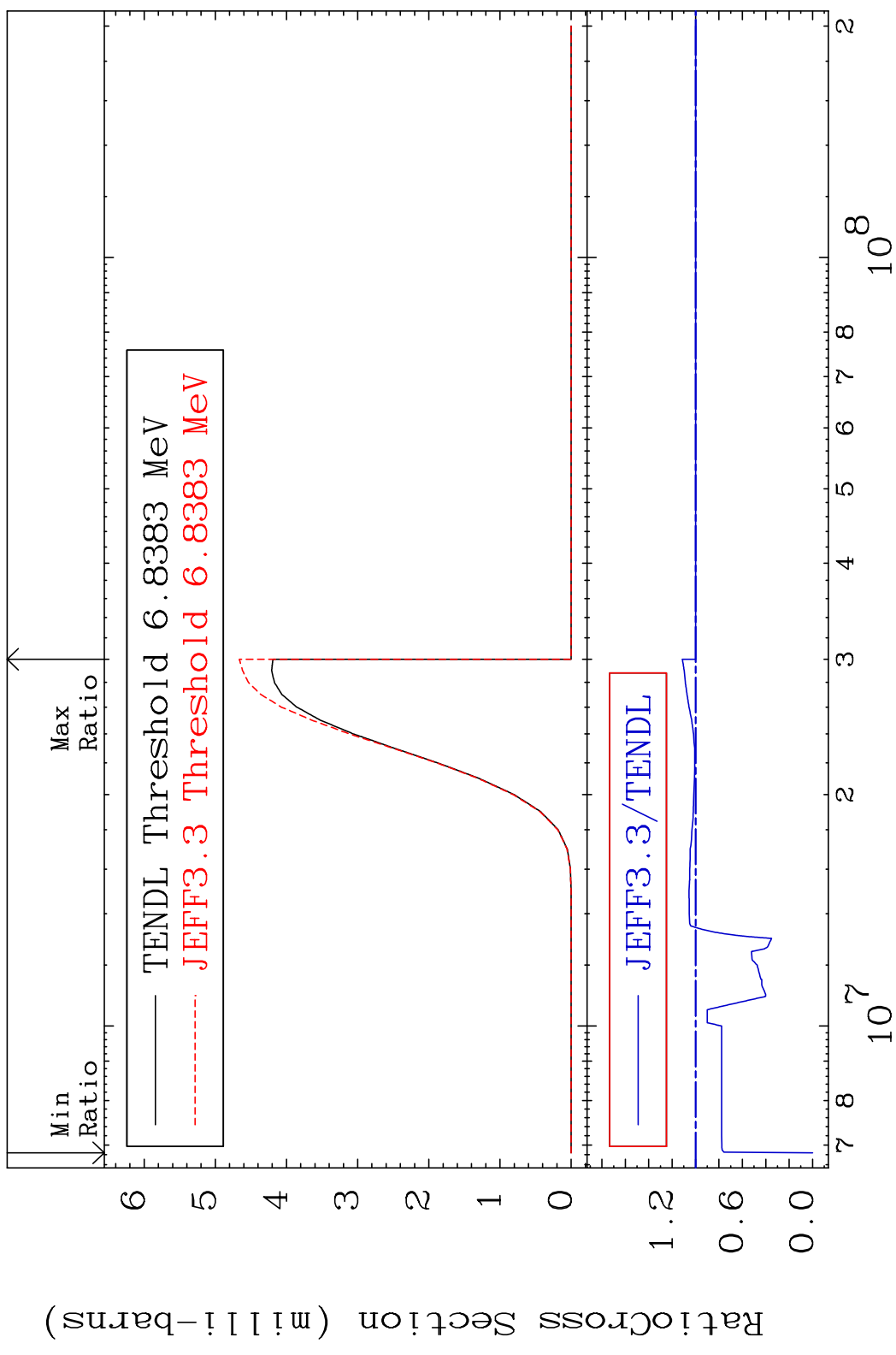


MAT 7837

(n, t)

78-Pt-194

Cross Section -100.0 To 11.28 %

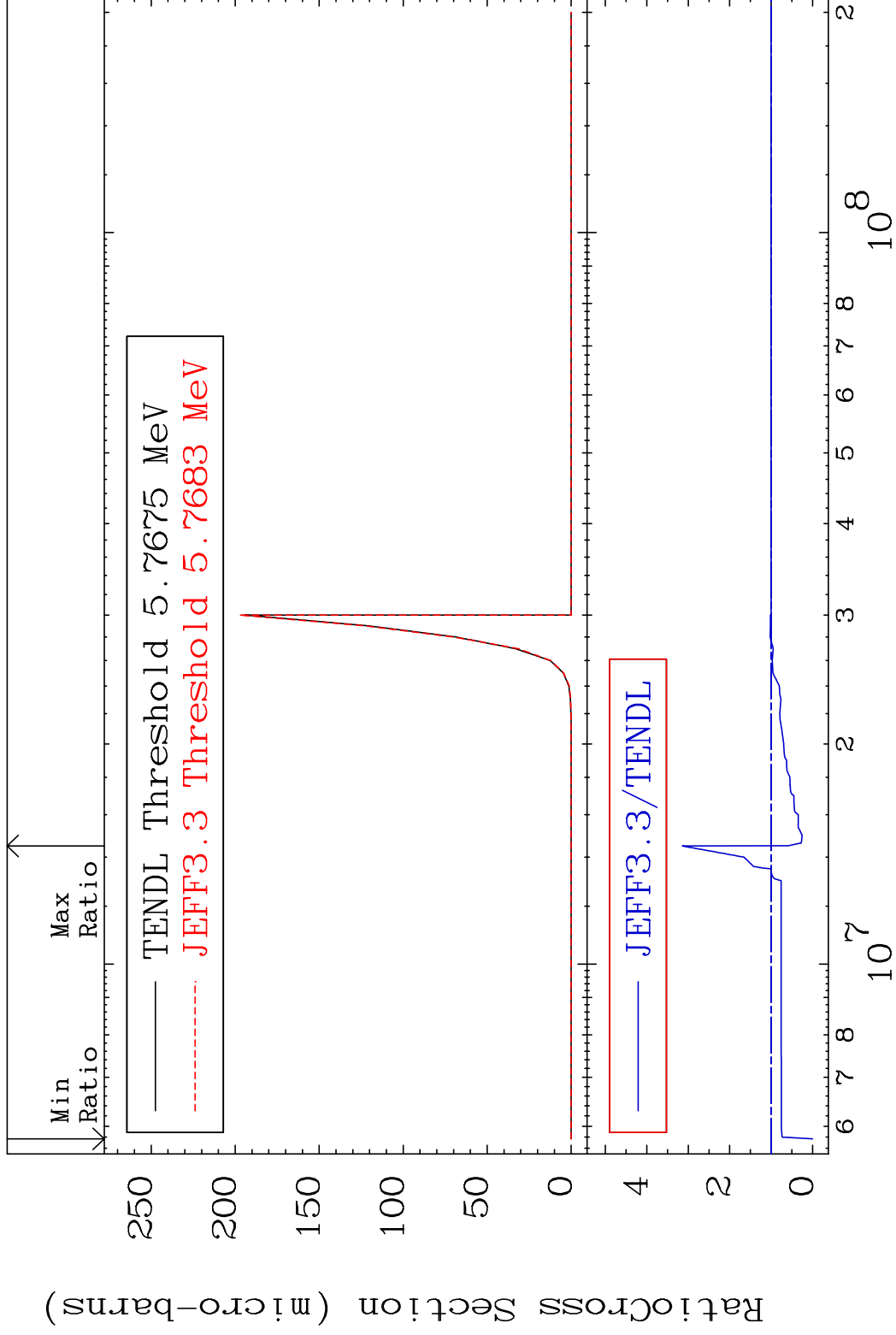


MAT 7837

(n, He-3)

78-Pt-194

Cross Section -100.0 To 214.2 %



53

Incident Energy (eV)

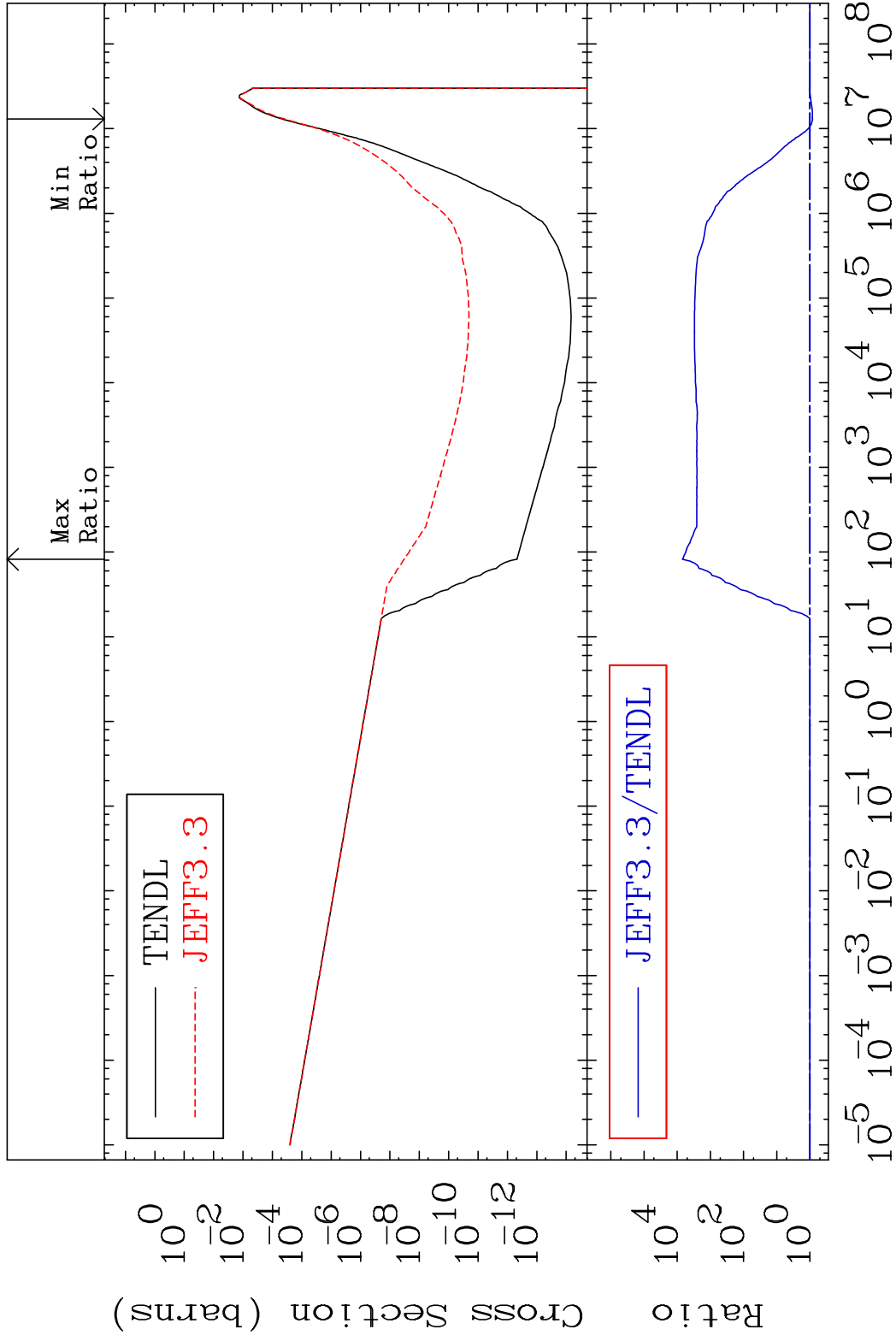
78-Pt-194

MAT 7837

(n, α)

78-Pt-194

Cross Section -16.82 To 9999. %

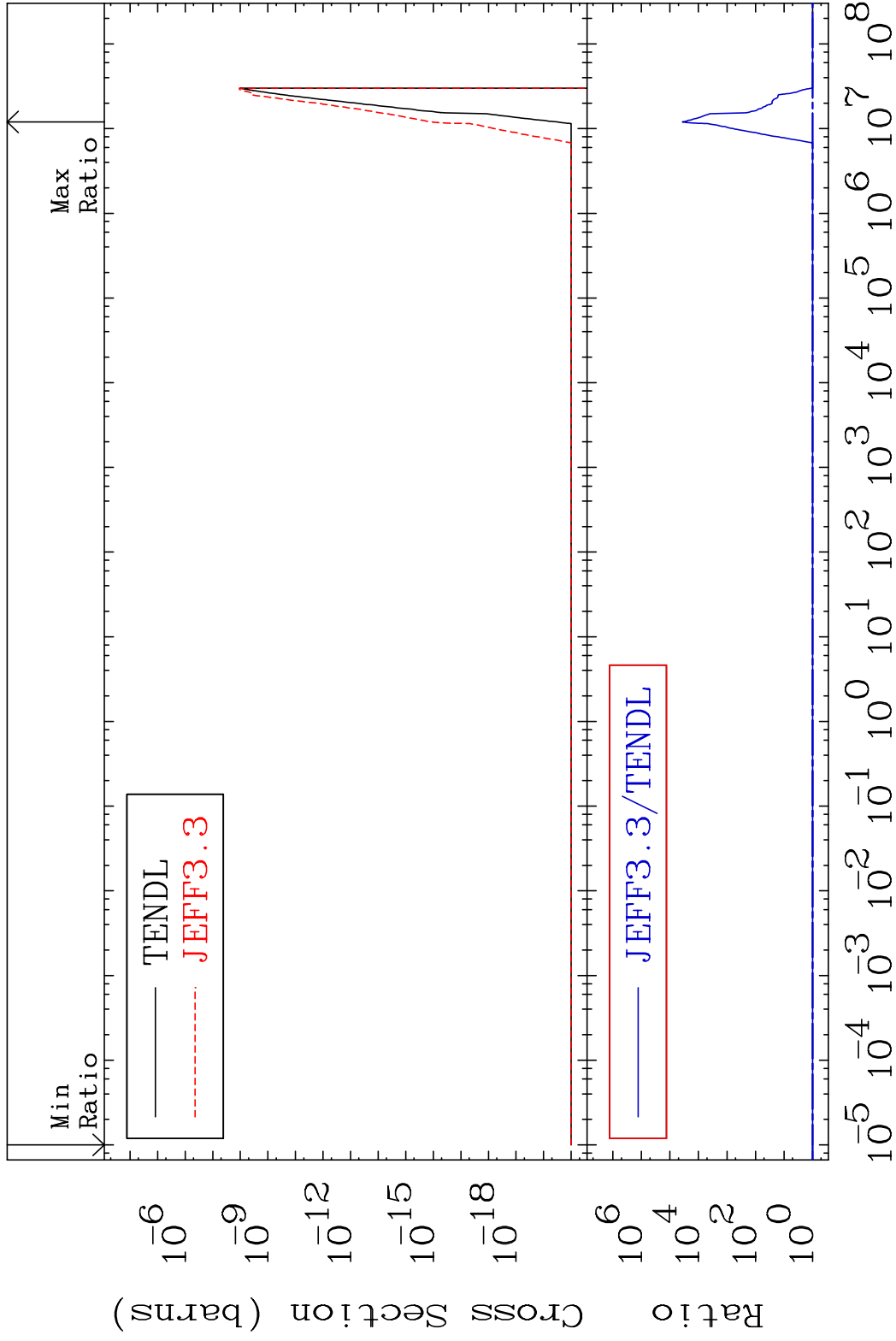


MAT 7837

(n,2α)

78-Pt-194

Cross Section 0.000 To 9999. %



55

Incident Energy (eV)

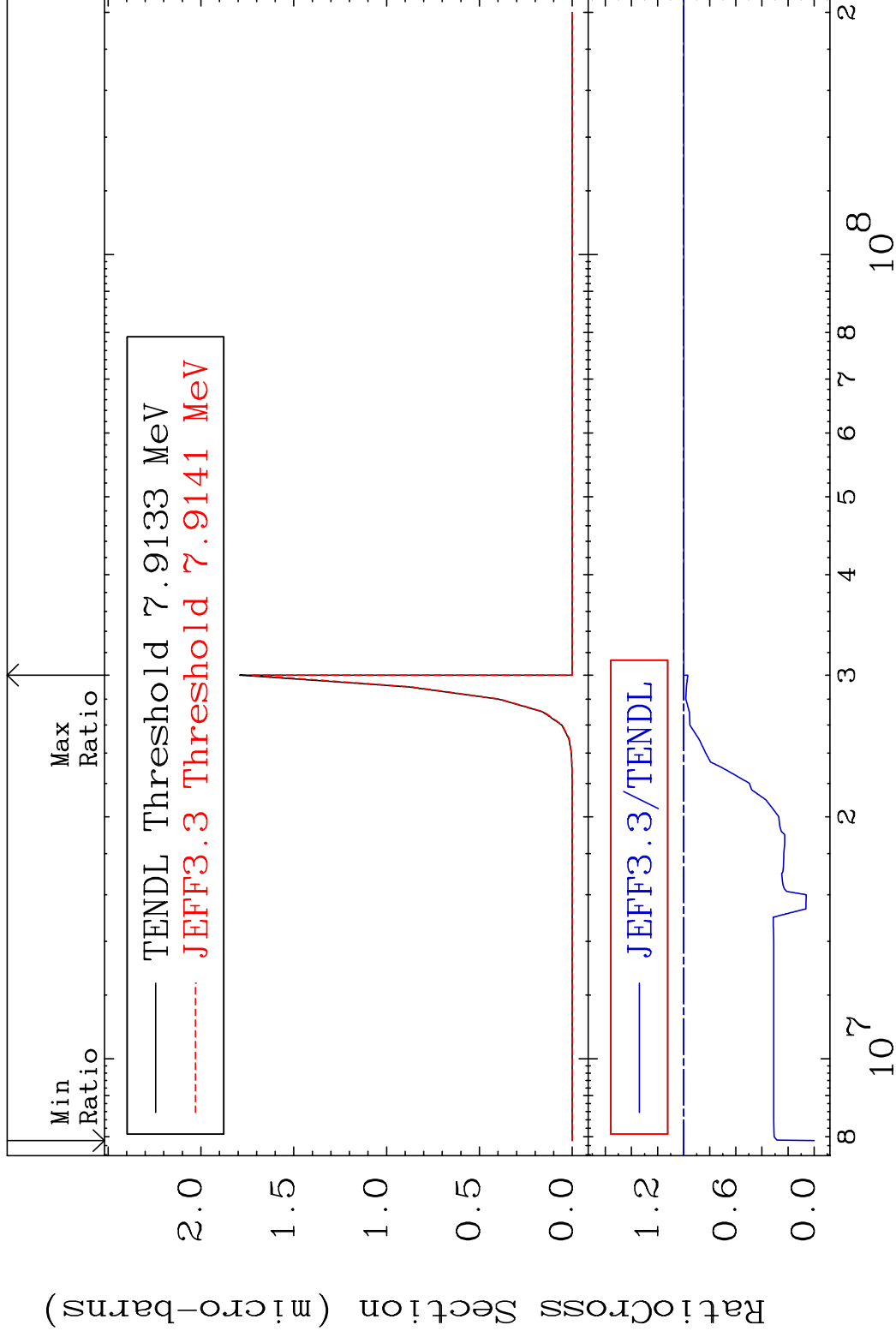
78-Pt-194

MAT 7837

(n,2p)

78-Pt-194

Cross Section -100.0 To 0.000 %



56

Incident Energy (eV)

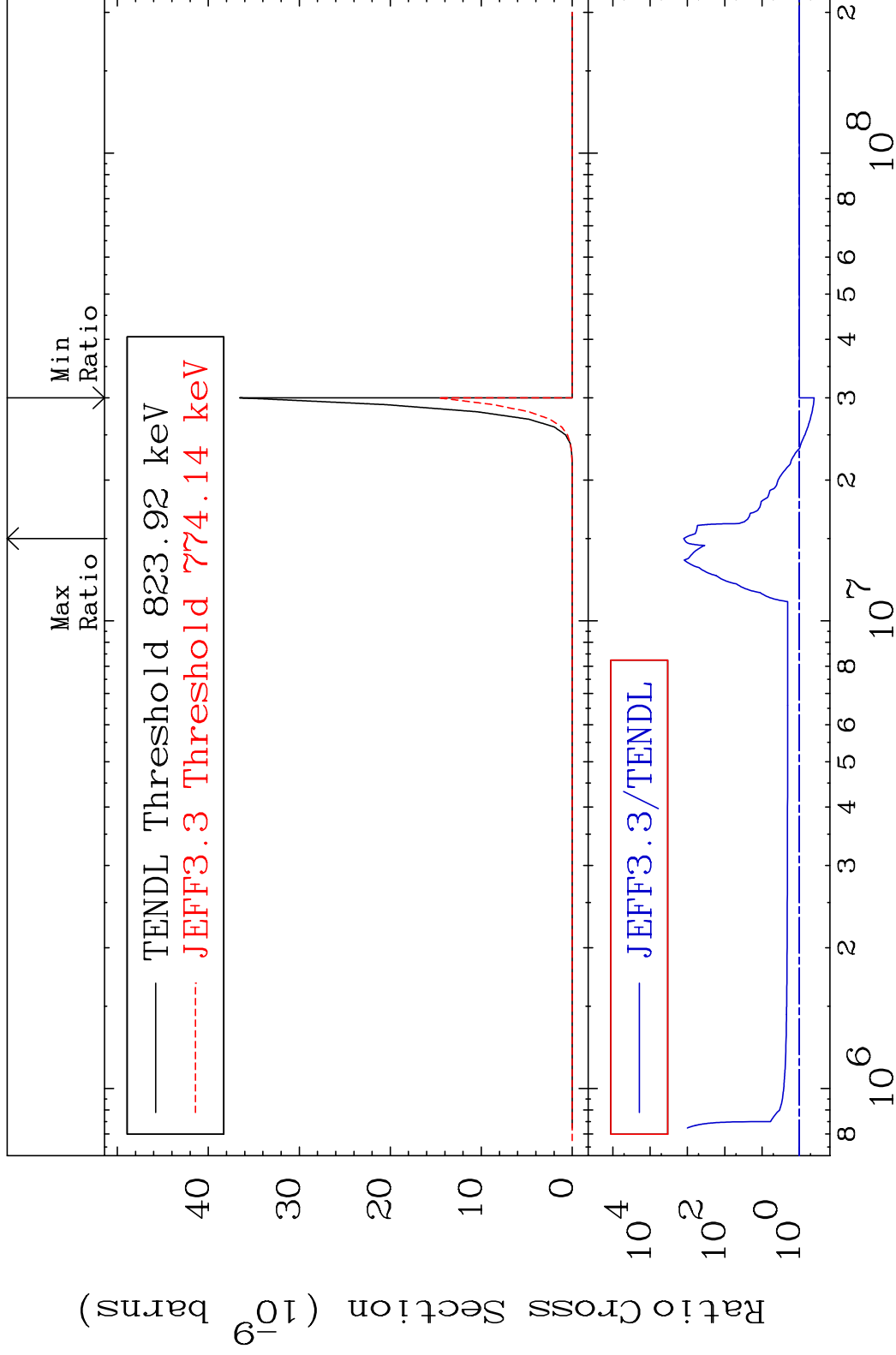
78-Pt-194

MAT 7837

(n,p) α

78-Pt-194

Cross Section -59.69 To 9999. %



57

Incident Energy (eV)

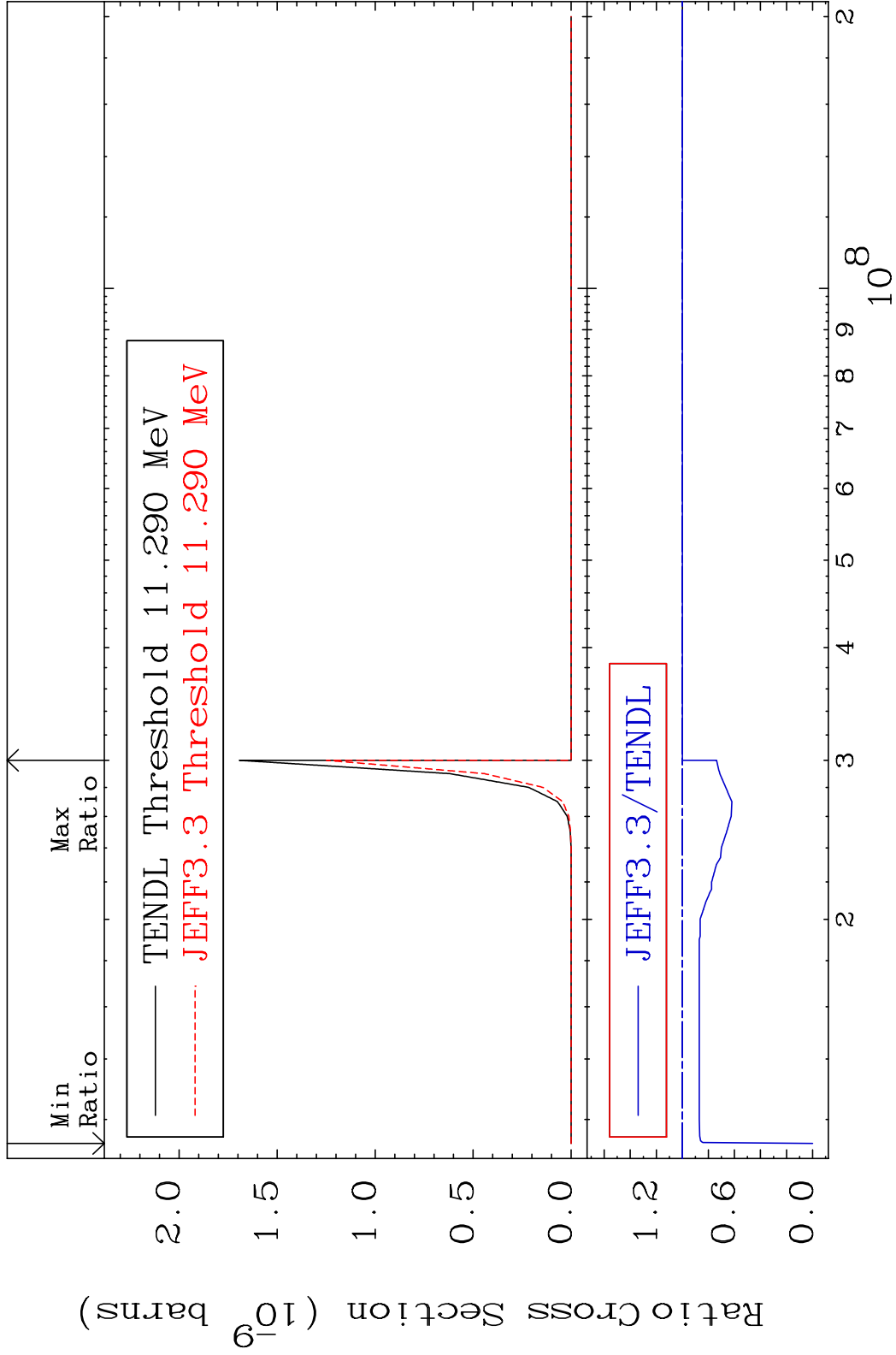
78-Pt-194

MAT 7837

(n,p) d

78-Pt-194

Cross Section -100.0 To 0.000 %

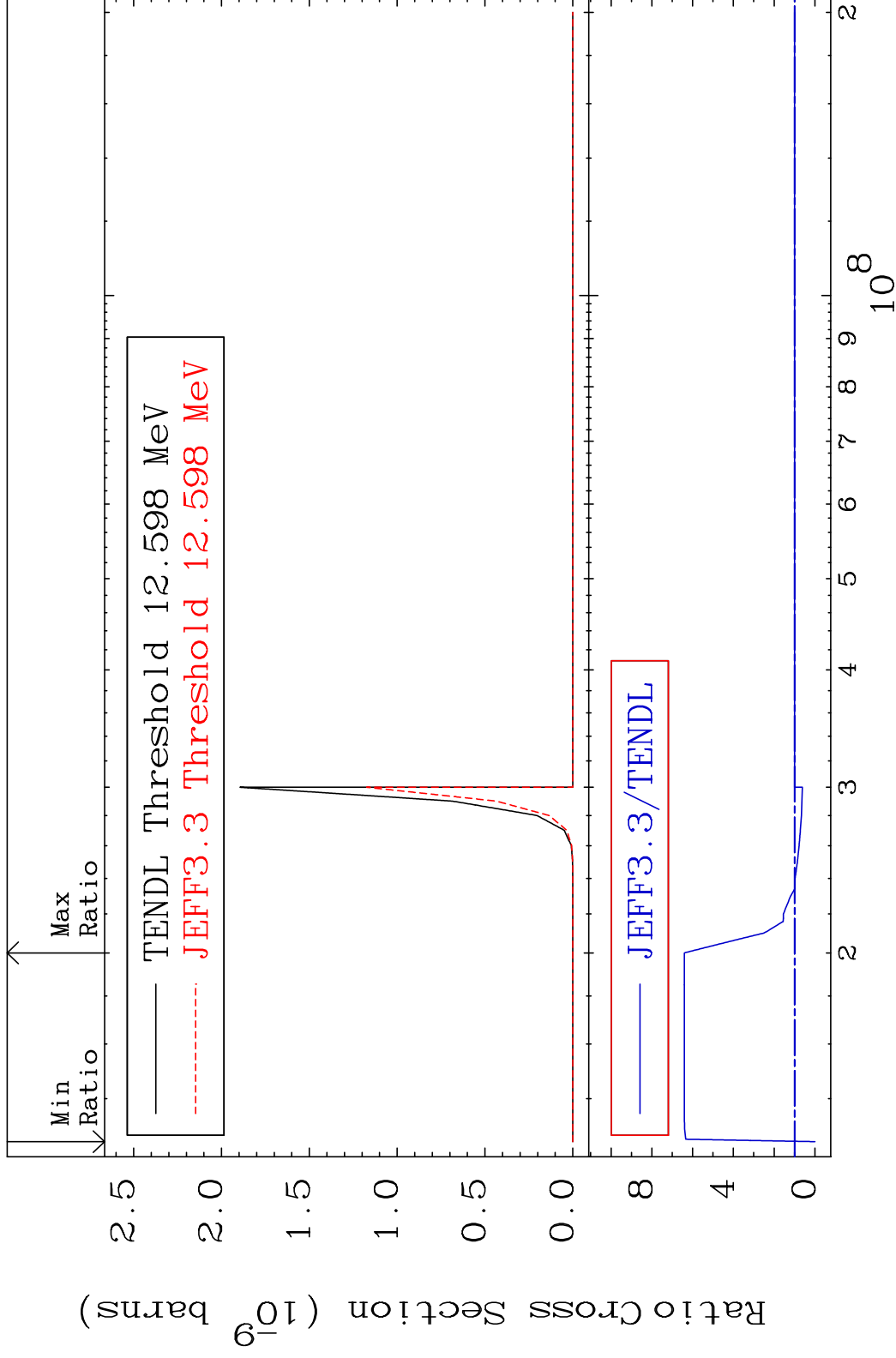


MAT 7837

(n,p) t

78-Pt-194

Cross Section -100.0 To 540.6 %



59

Incident Energy (eV)

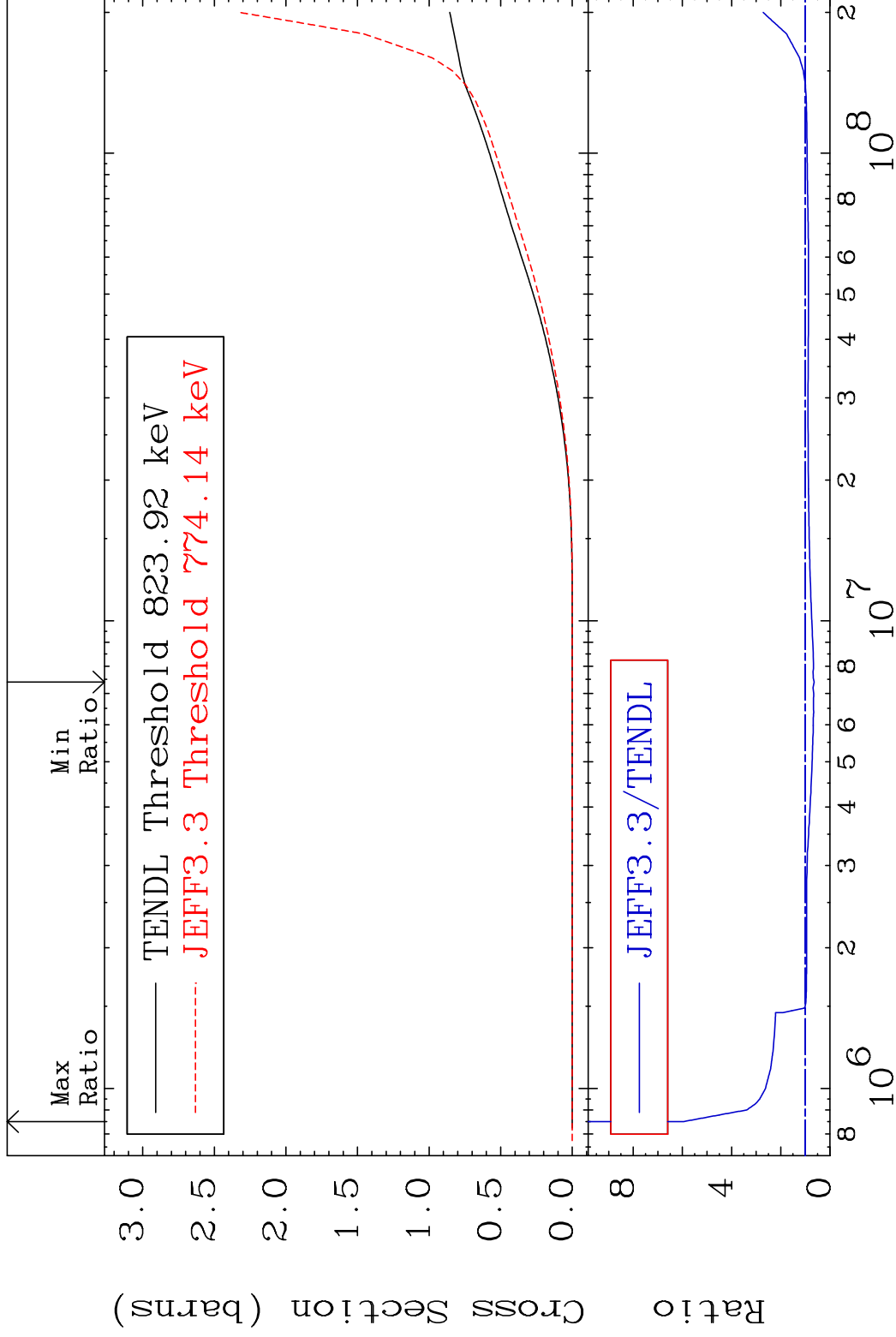
78-Pt-194

MAT 7837

Hydrogen Production

78-Pt-194

Cross Section -35.84 To 494.9 %



60

Incident Energy (eV)

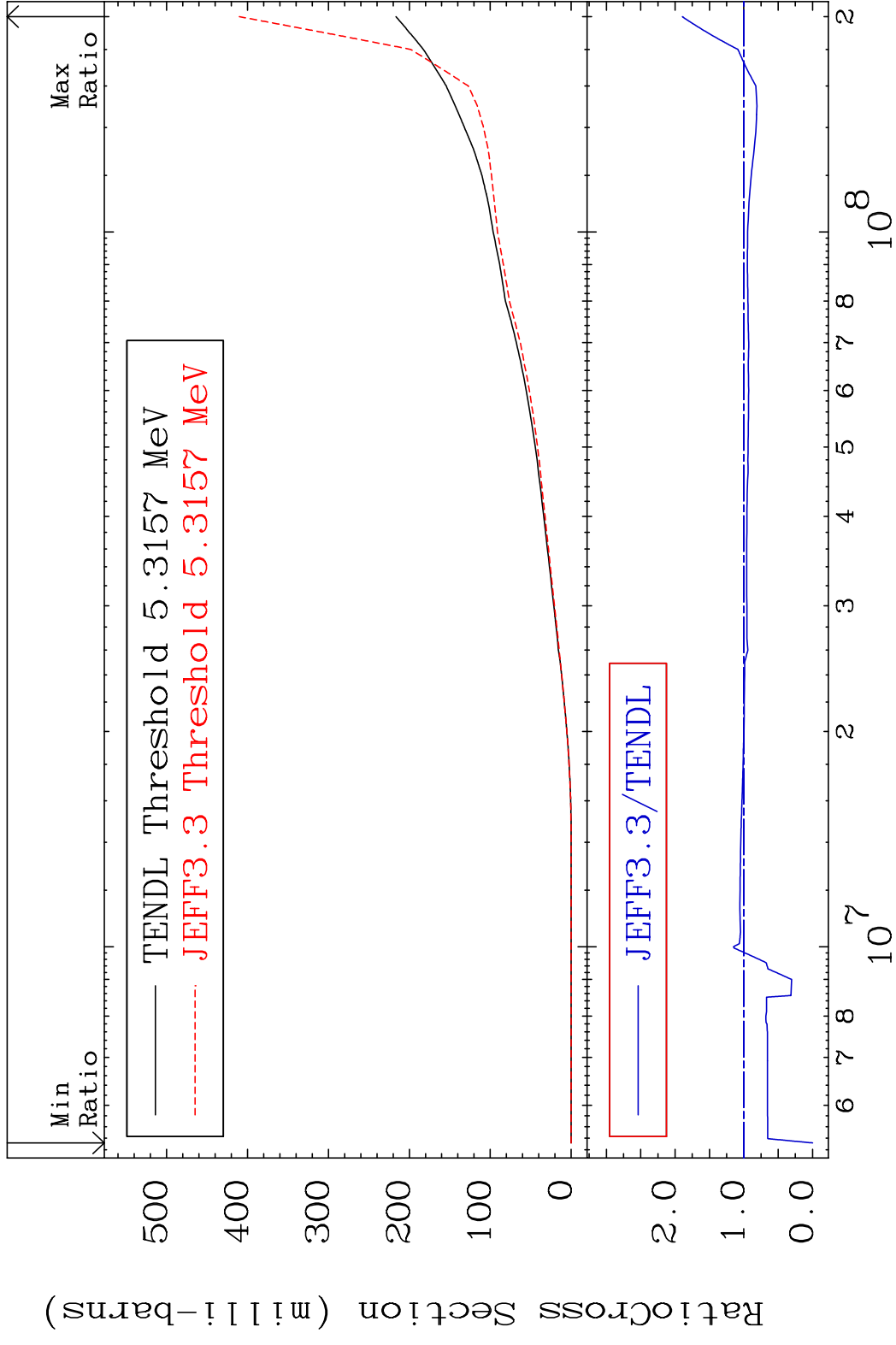
78-Pt-194

MAT 7837

Deuterium Production

78-Pt-194

Cross Section -100.0 To 89.44 %

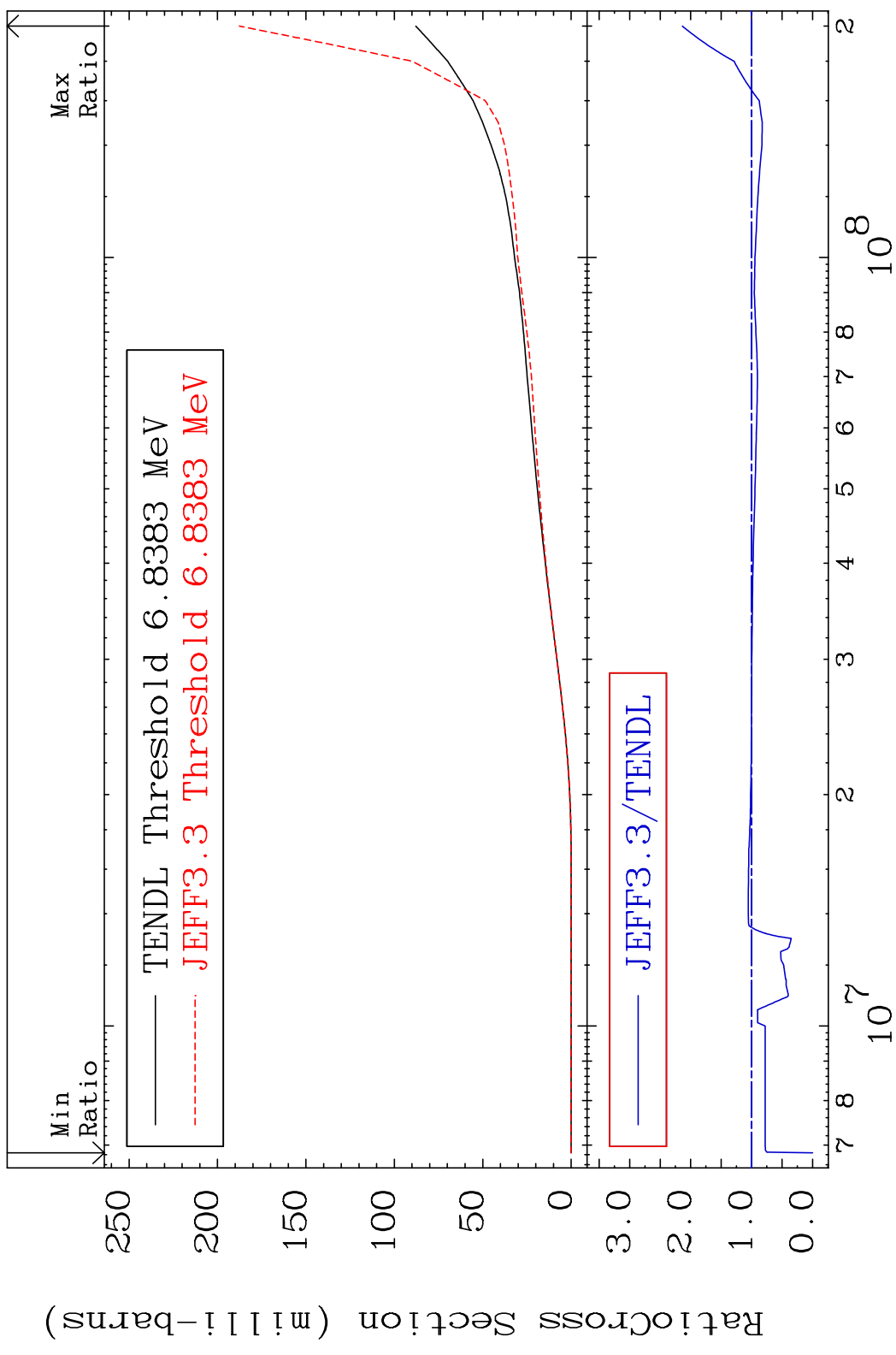


MAT 7837

Tritium Production

78-Pt-194

Cross Section -100.0 To 113.6 %

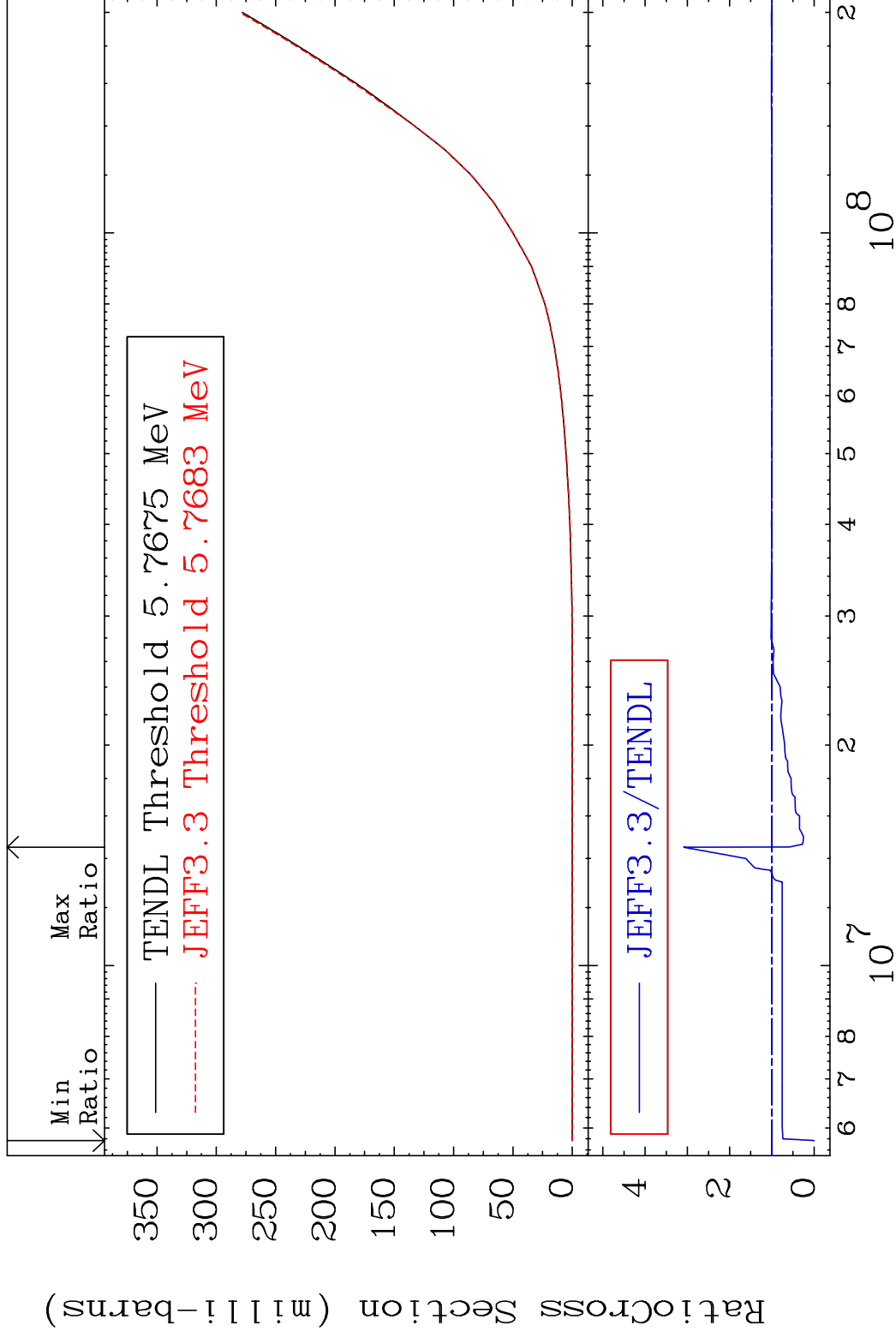


MAT 7837

He-3 Production

78-Pt-194

Cross Section -100.0 To 208.8 %



63

Incident Energy (eV)

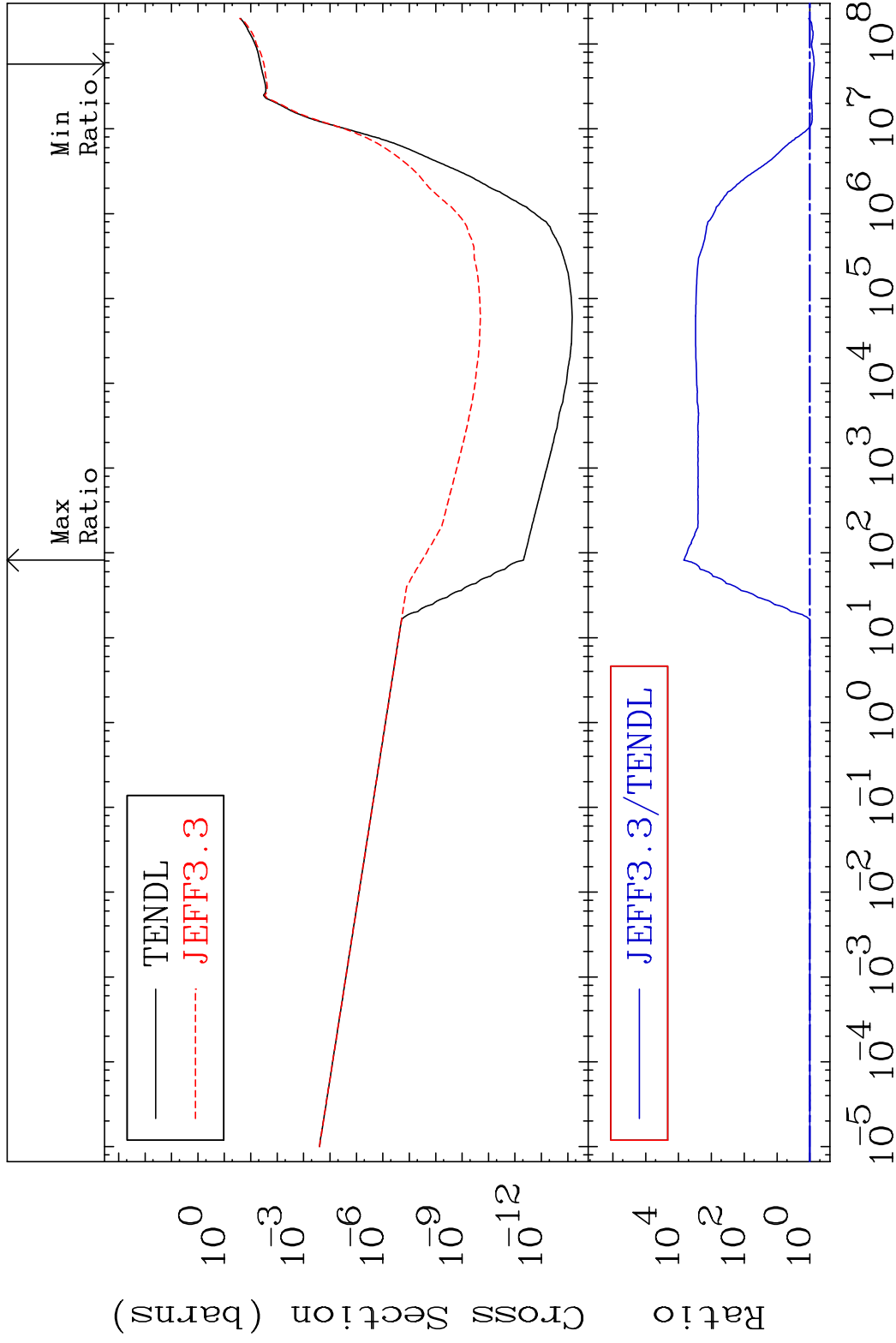
78-Pt-194

MAT 7837

He-4 Production

78-Pt-194

Cross Section -25.69 To 9999. %



64

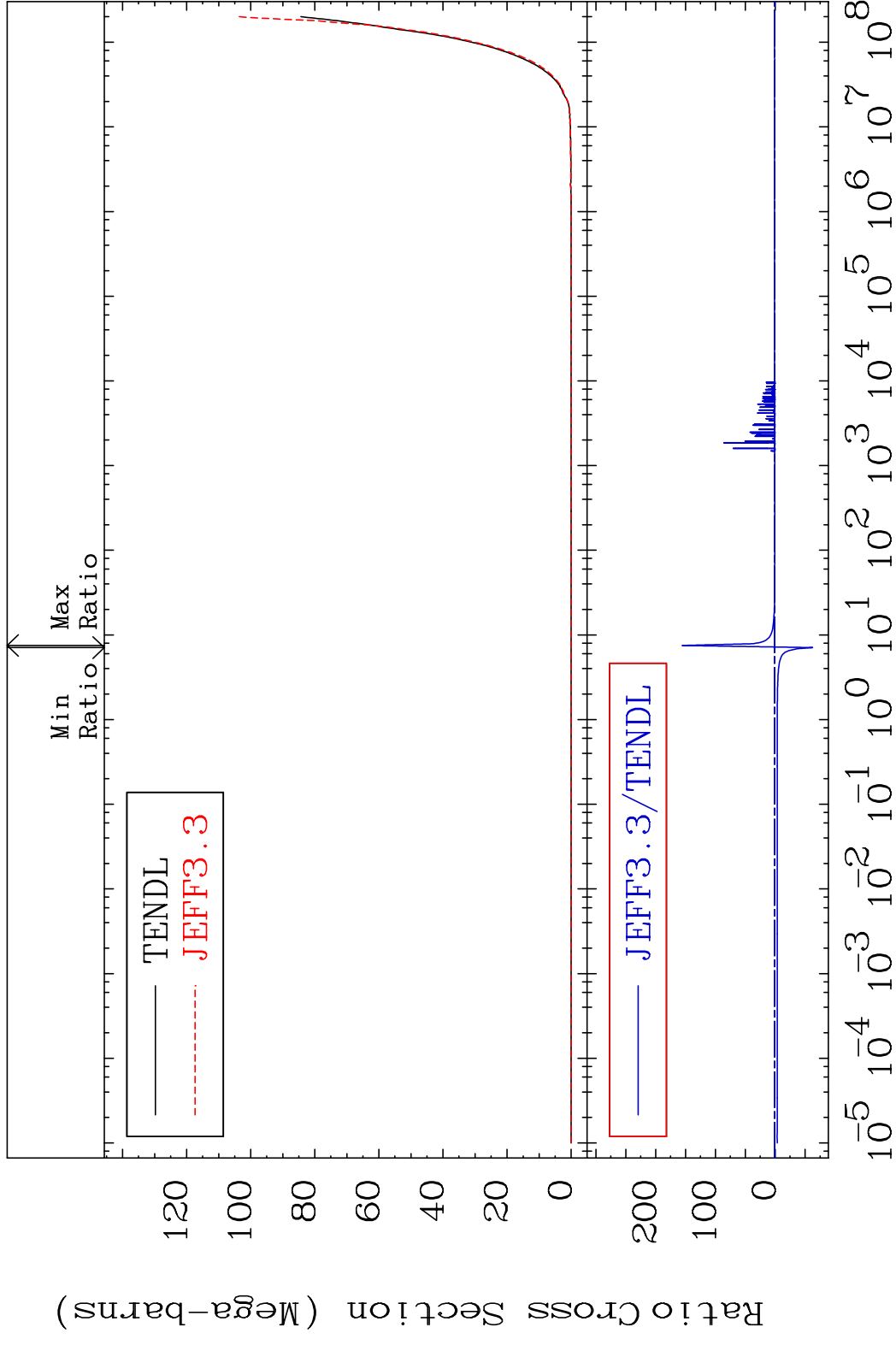
Incident Energy (eV)

78-Pt-194

MAT 7837

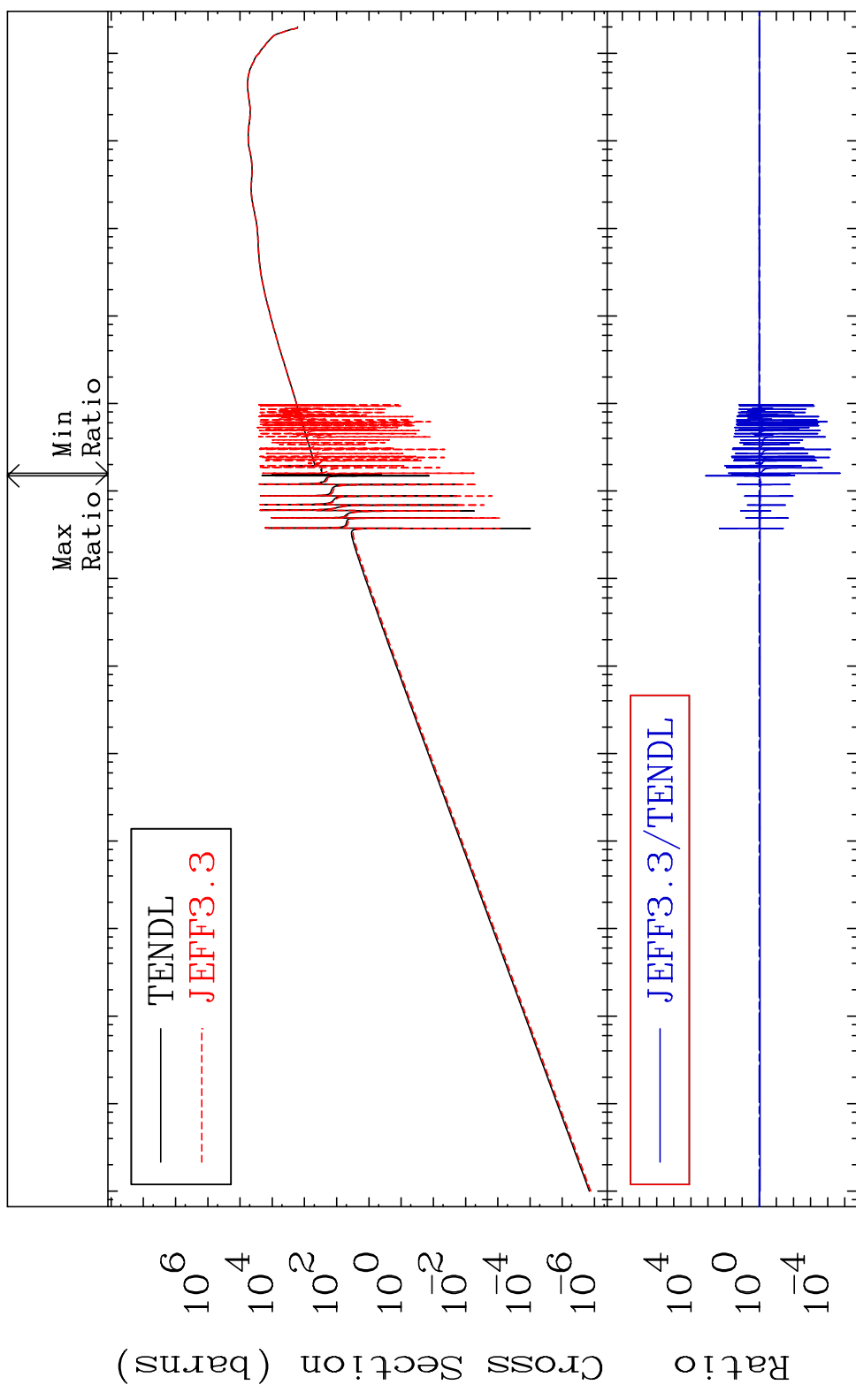
Kerma total (eV-barns) 78-Pt-194

Cross Section -6350. To 9999. %

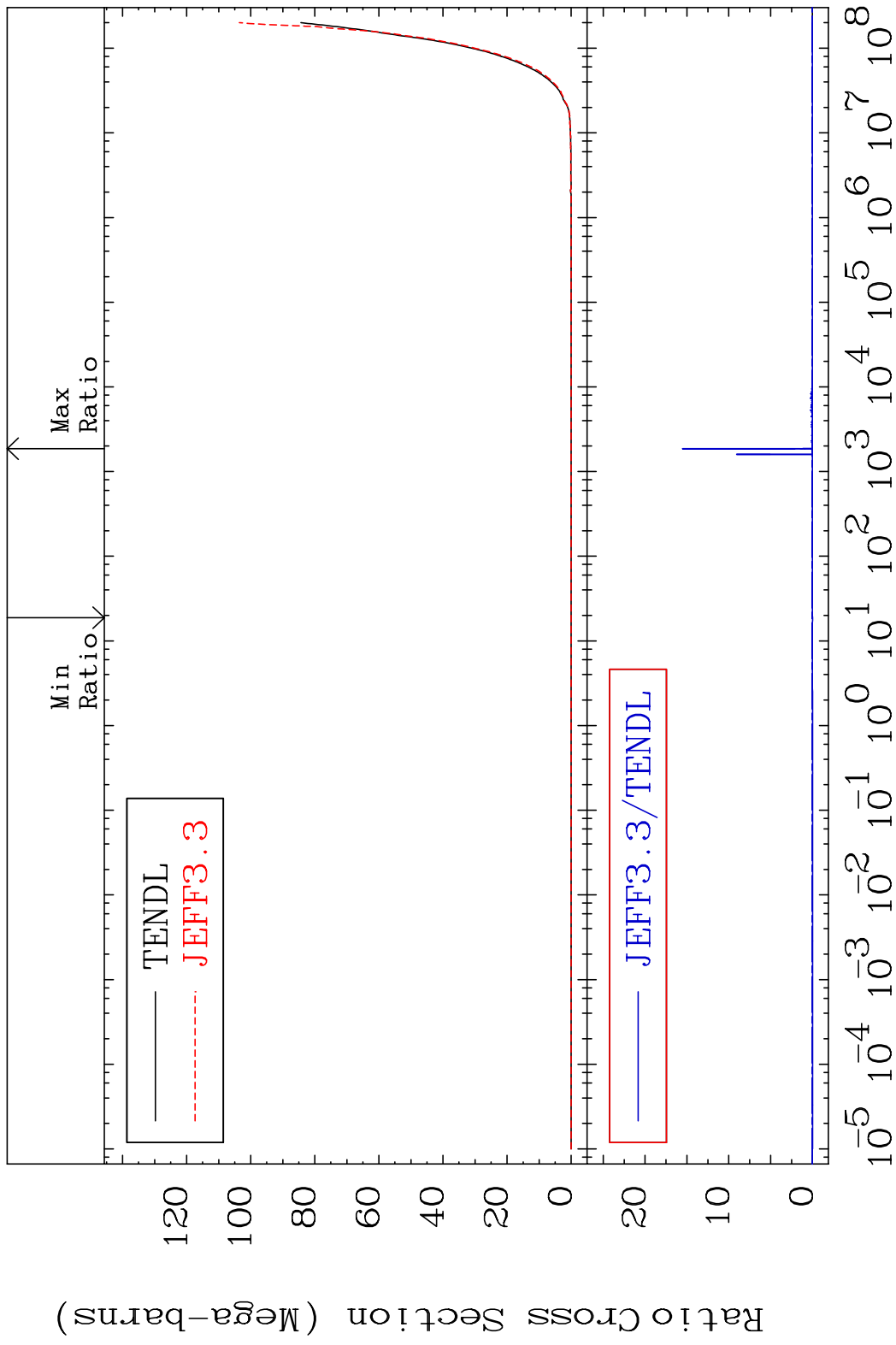


MAT 7837

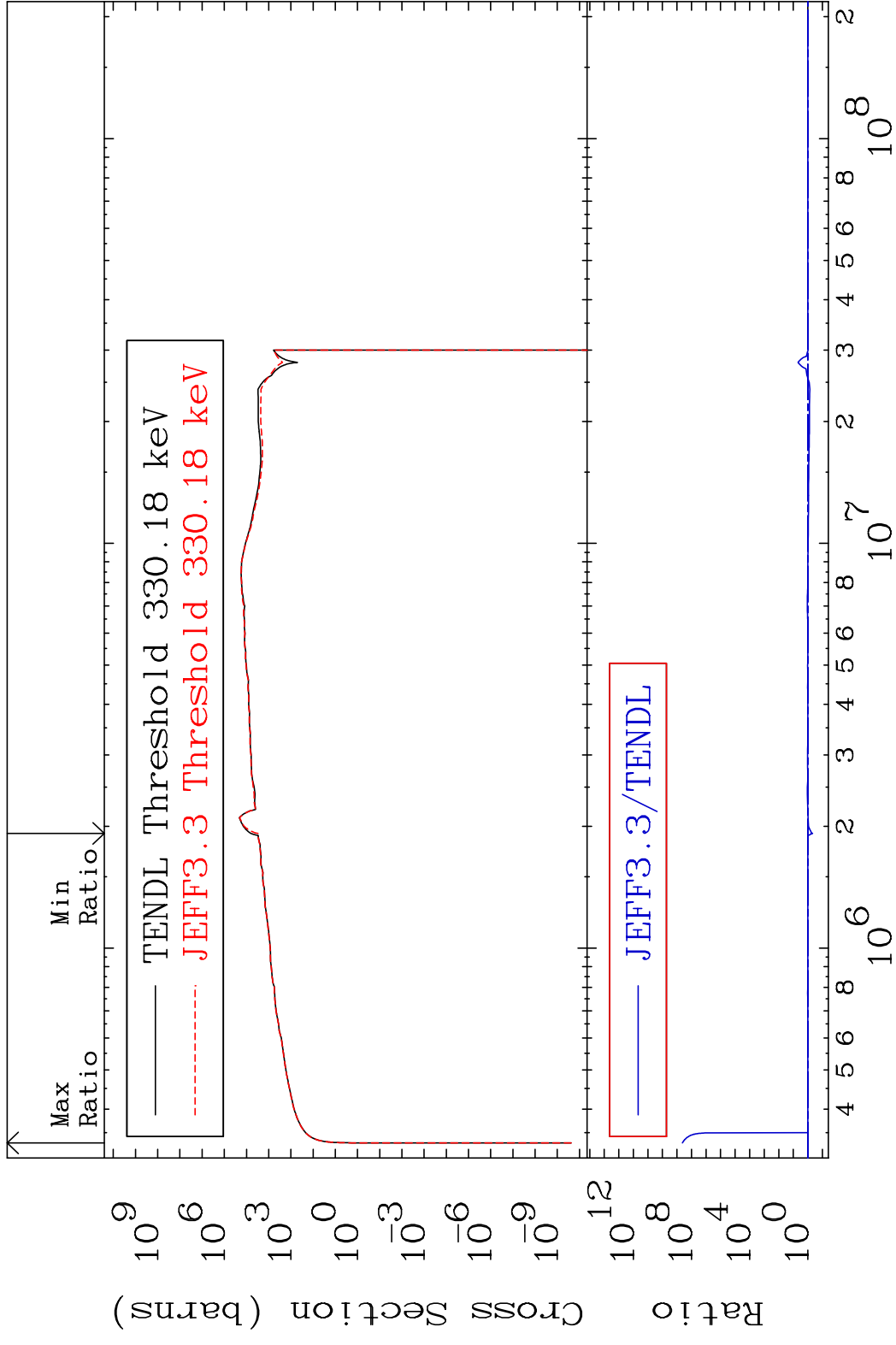
Kerma elastic Cross Section -100.0 To 9999. %
78-Pt-194



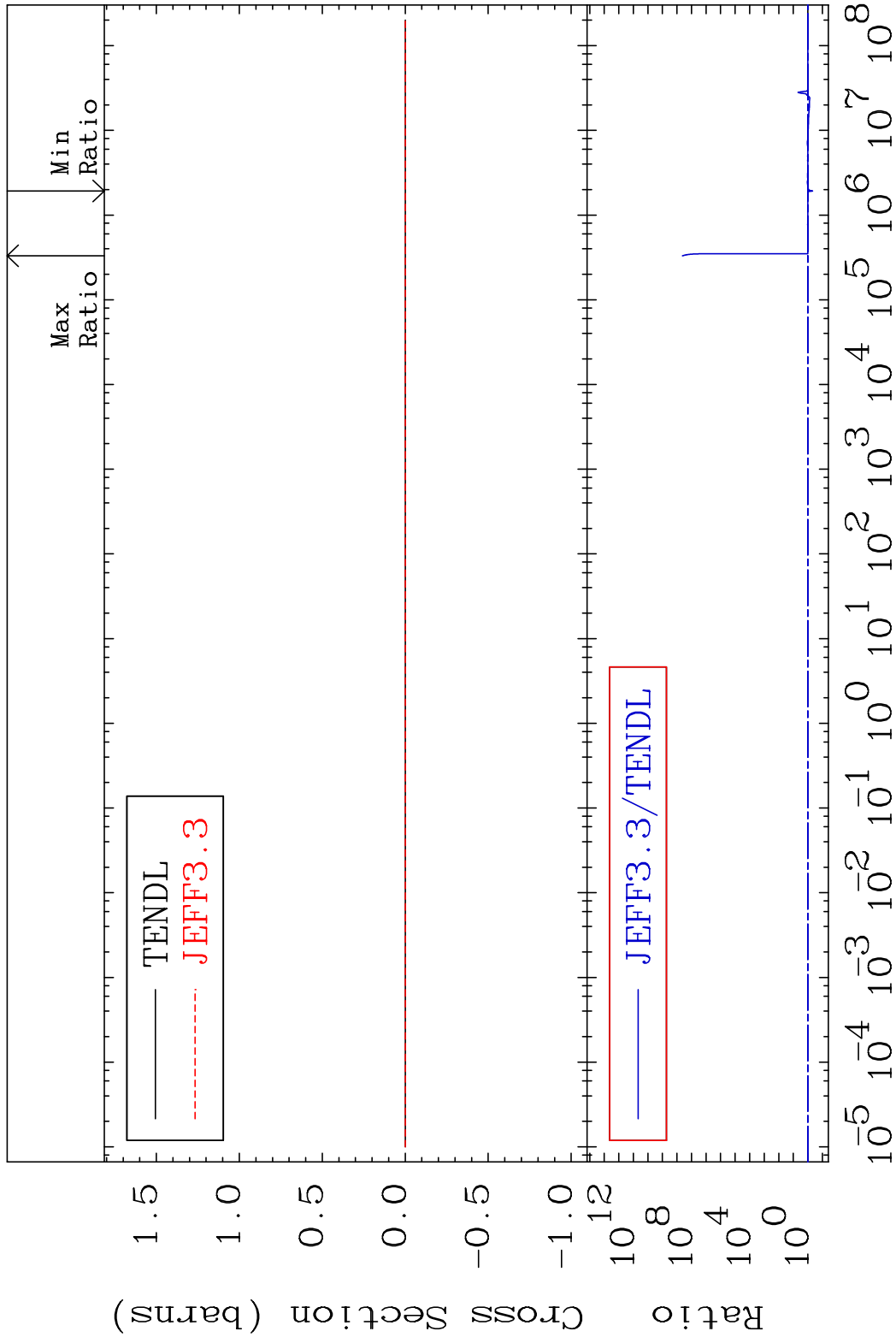
MAT 7837 Kerma non-elastic (all but mt2) 78-Pt-194
 Cross Section -1162. To 9999. %



MAT 7837 Kerma inelastic (mt51-91) 78-Pt-194
 Cross Section -52.54 To 9999. %



MAT 7837 Kerma fission (mt18 or mt19-20-21-38)78-Pt-194
 Cross Section -52.54 To 9999. %

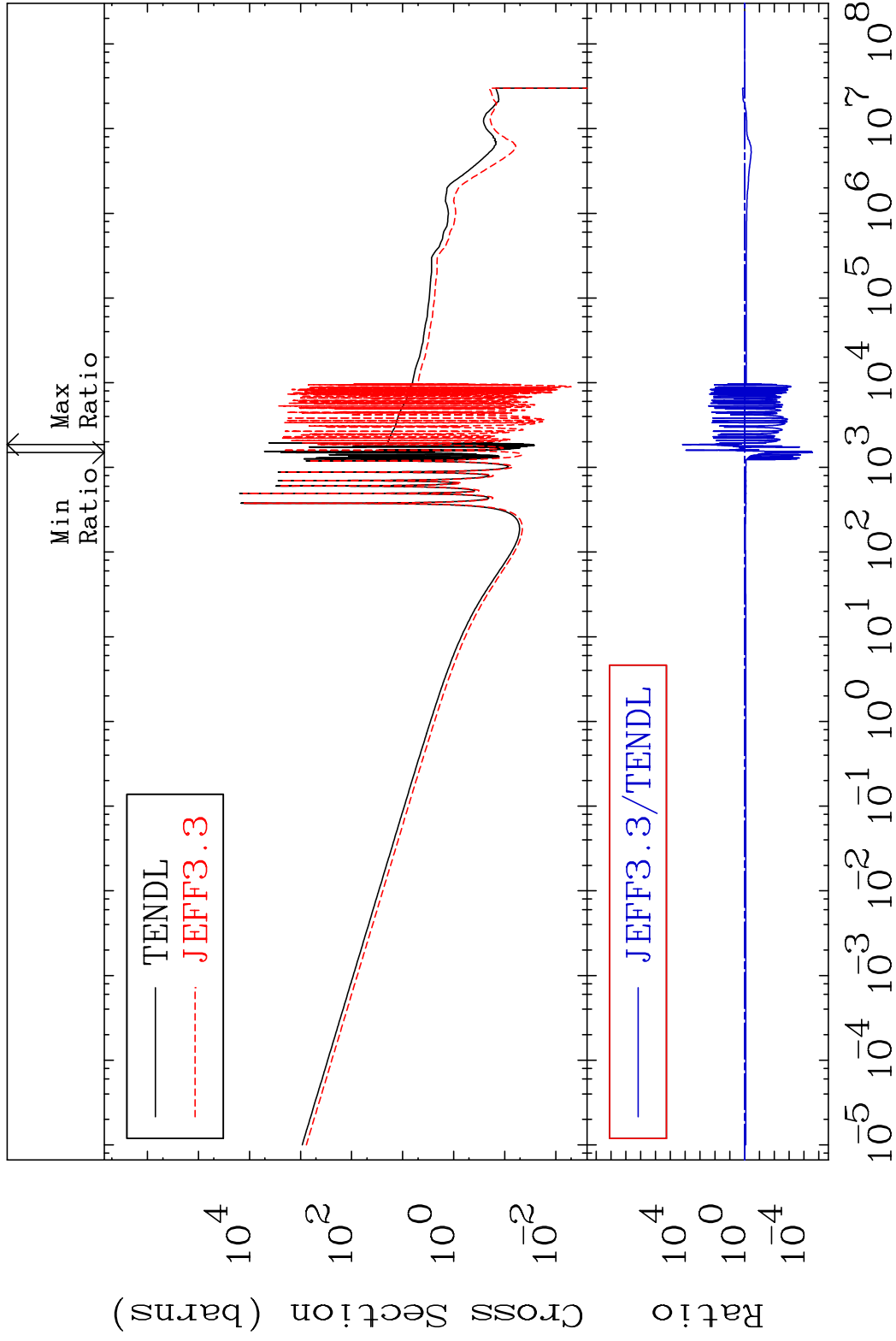


MAT 7837

Kerma capture (mt102)

78-Pt-194

Cross Section -100.0 To 9999. %



70

Incident Energy (eV)

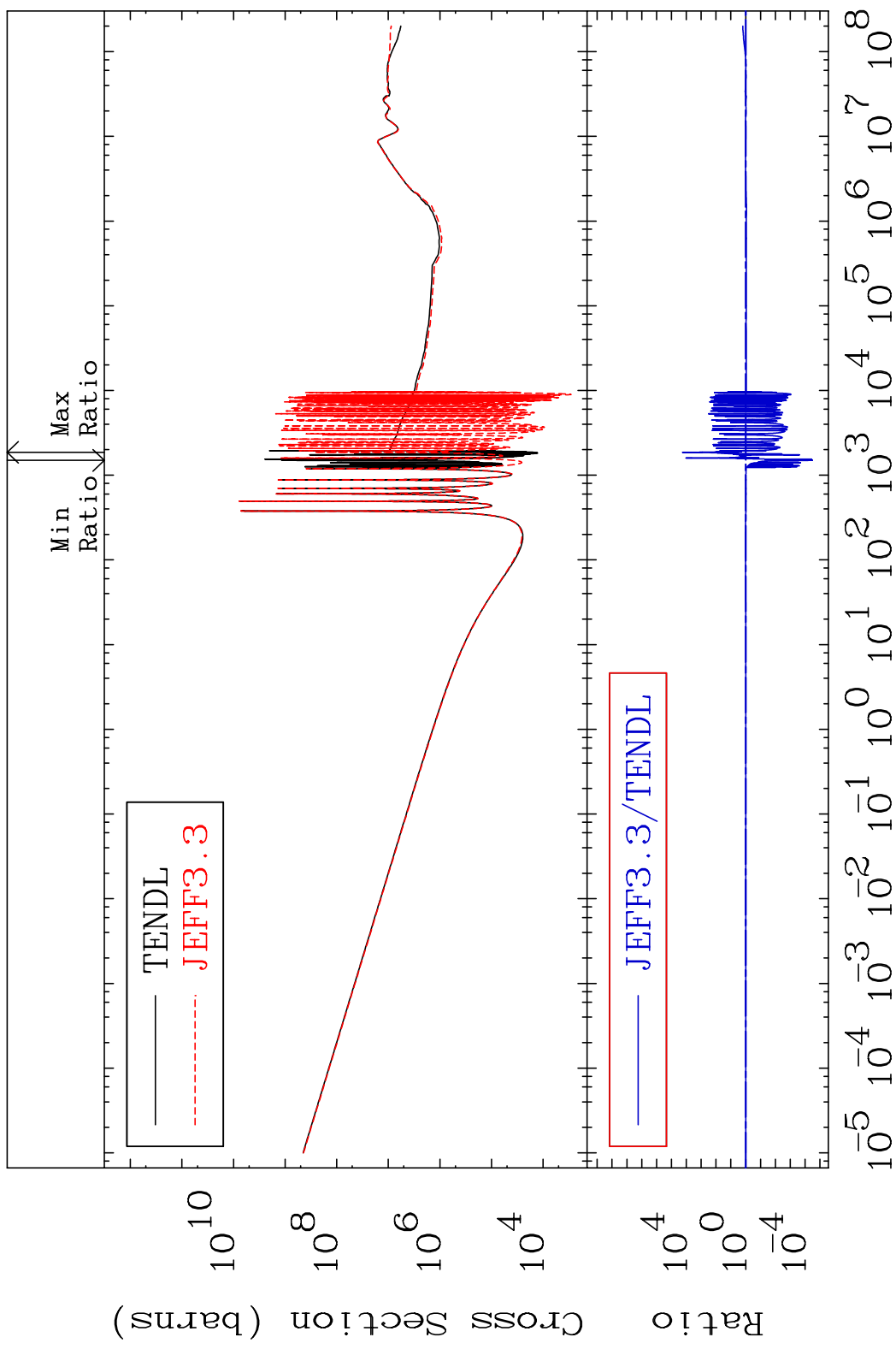
78-Pt-194

MAT 7837

Total photon (eV-barns)

78-Pt-194

Cross Section -100.0 To 9999. %

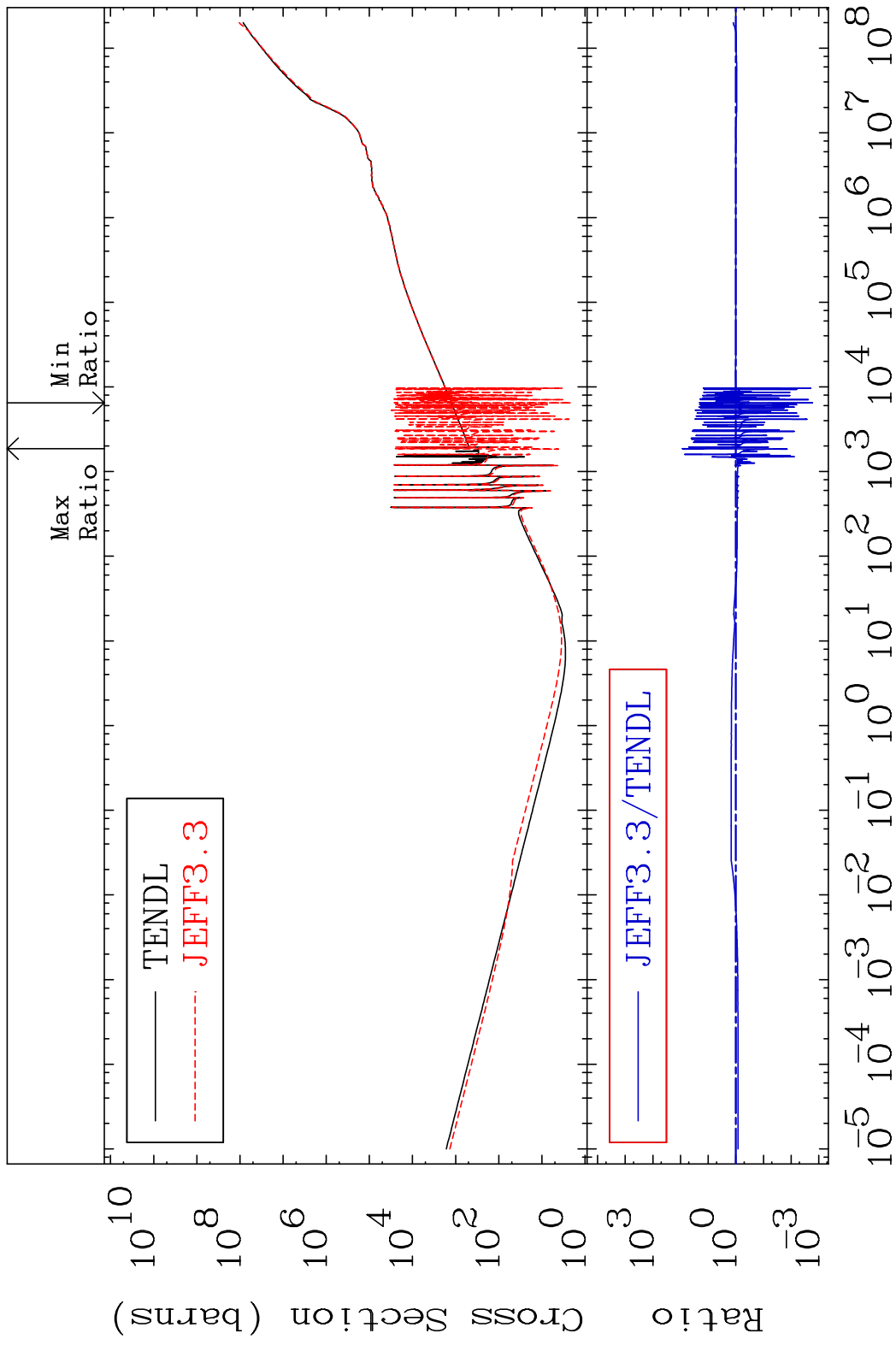


71

Incident Energy (eV)

78-Pt-194

MAT 7837 Total kinematic kerma (high limit) 78-Pt-194
 Cross Section -99.83 To 8486. %

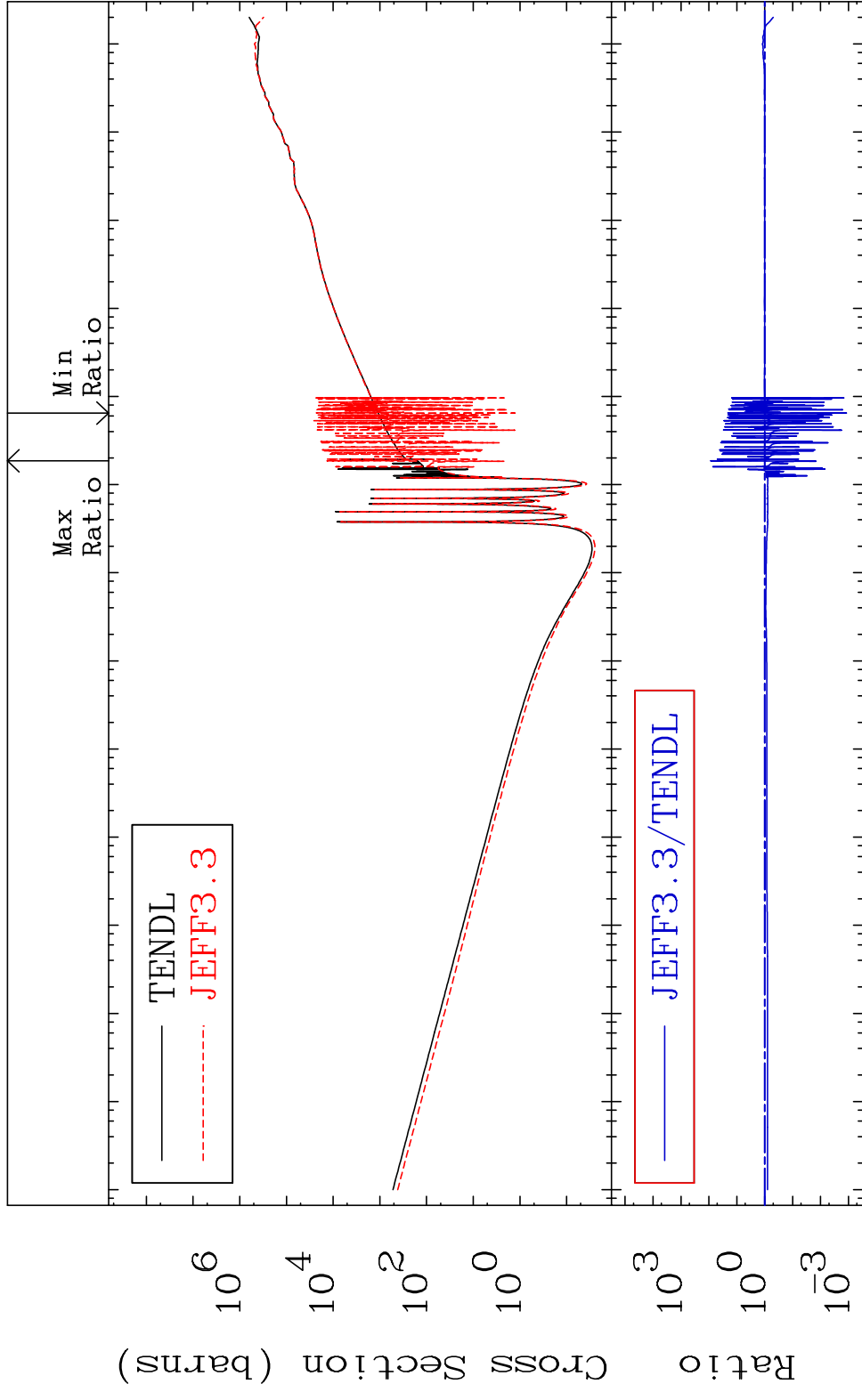


MAT 7837

Dpa total (eV-barns)

78-Pt-194

Cross Section -99.88 To 8489. %



73

Incident Energy (eV)

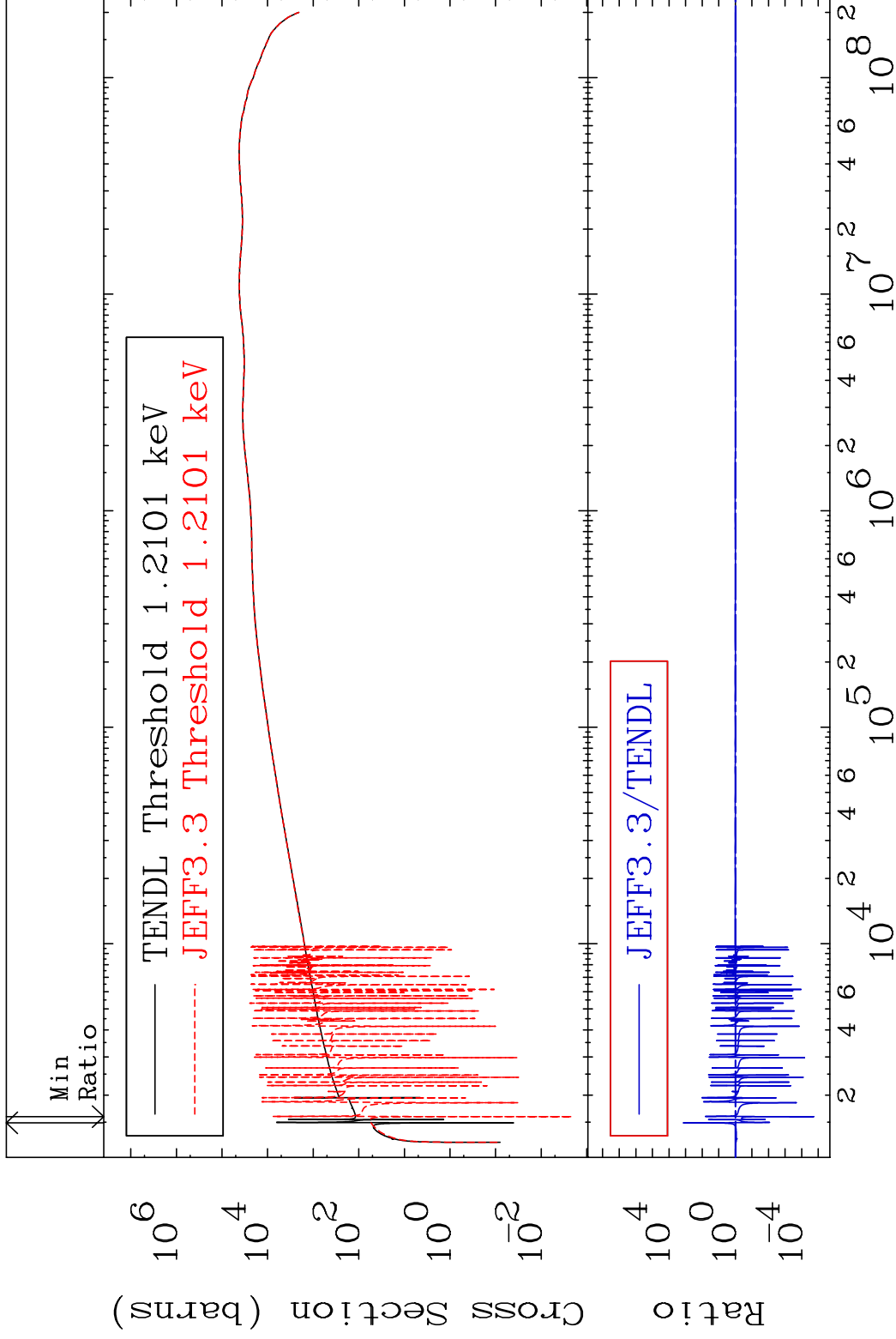
78-Pt-194

MAT 7837

Dpa elastic (mt2)

78-Pt-194

Cross Section -100.0 To 9999. %



74

Incident Energy (eV)

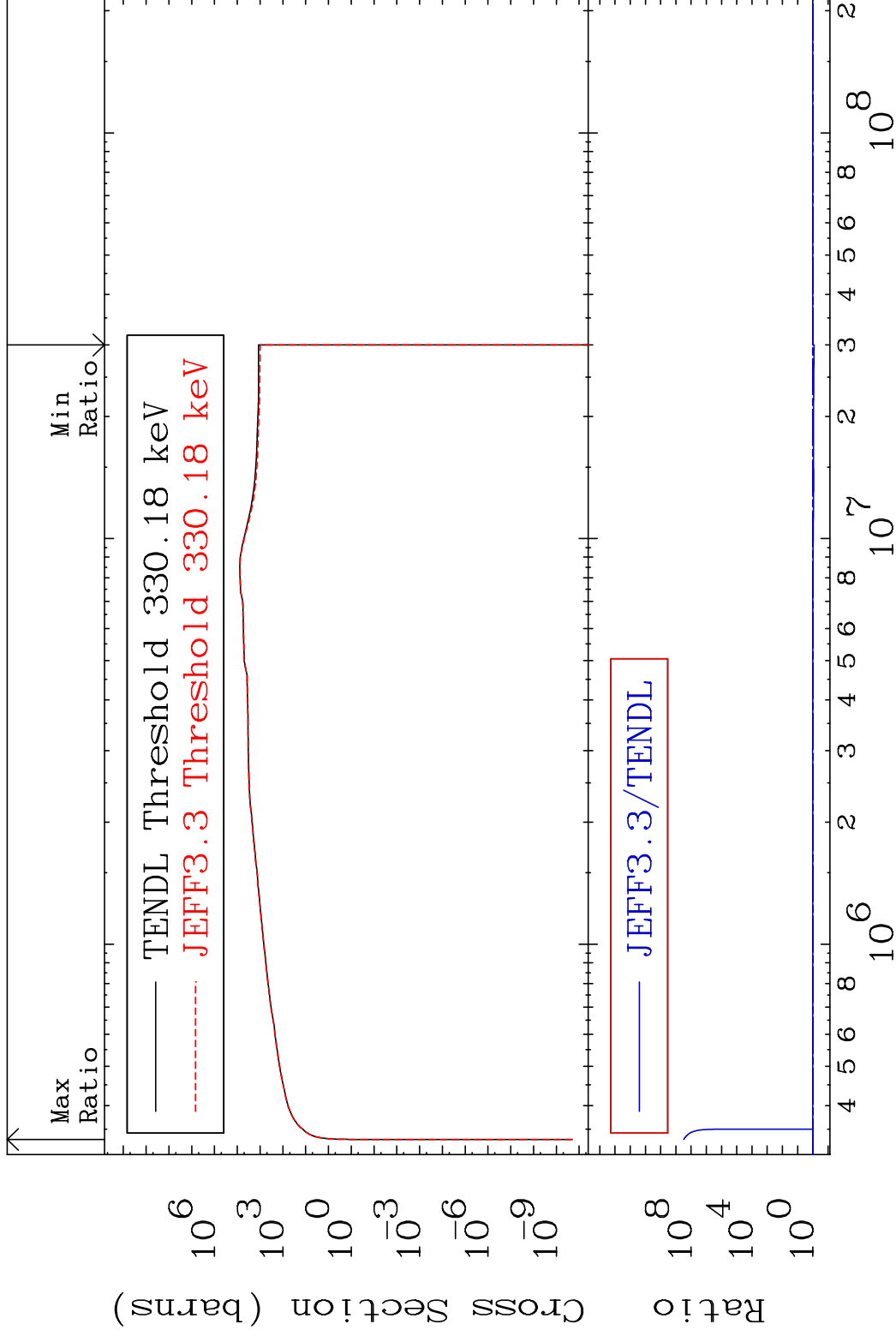
78-Pt-194

MAT 7837

Dpa inelastic (mt51-91)

78-Pt-194

Cross Section -17.27 To 9999. %

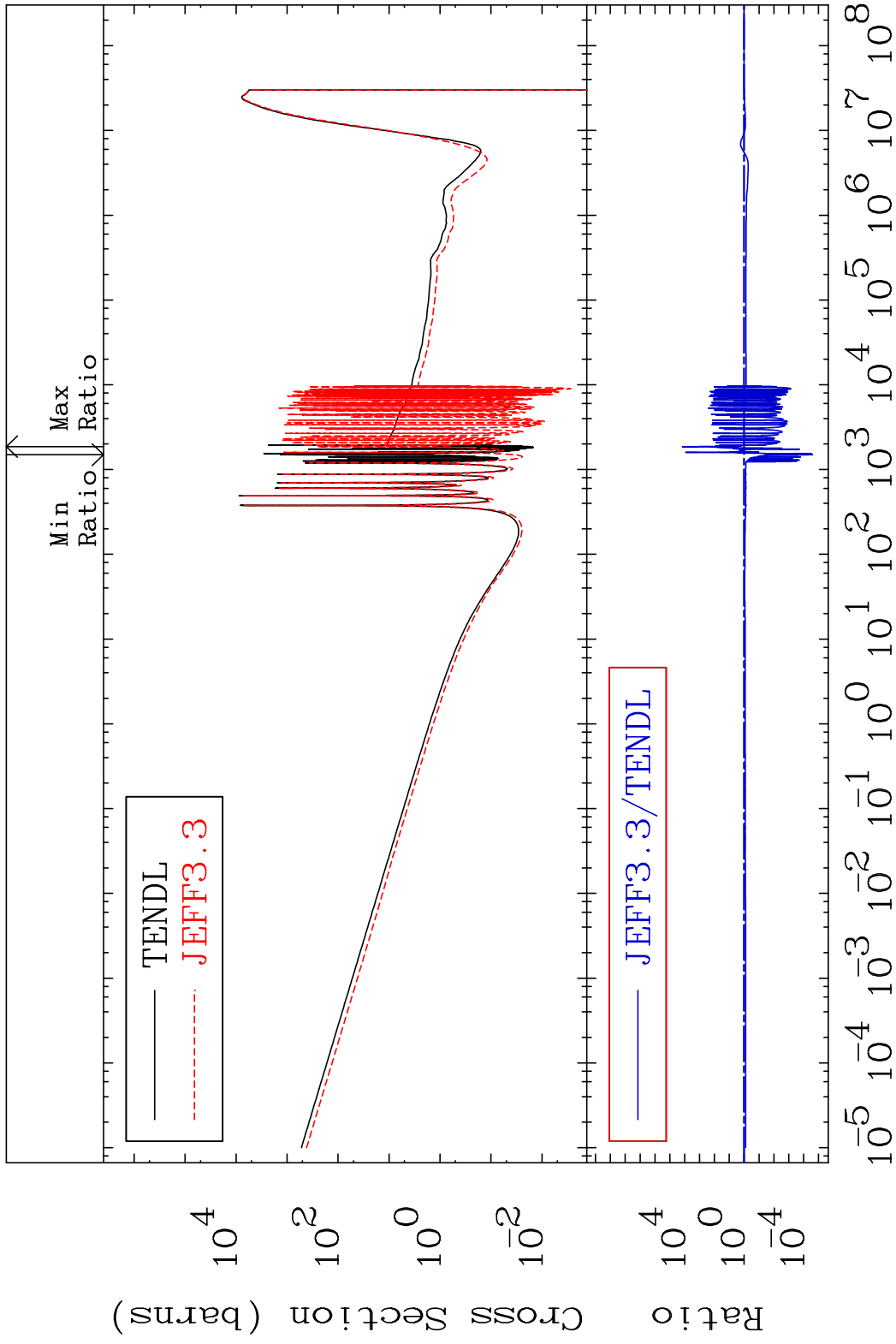


75

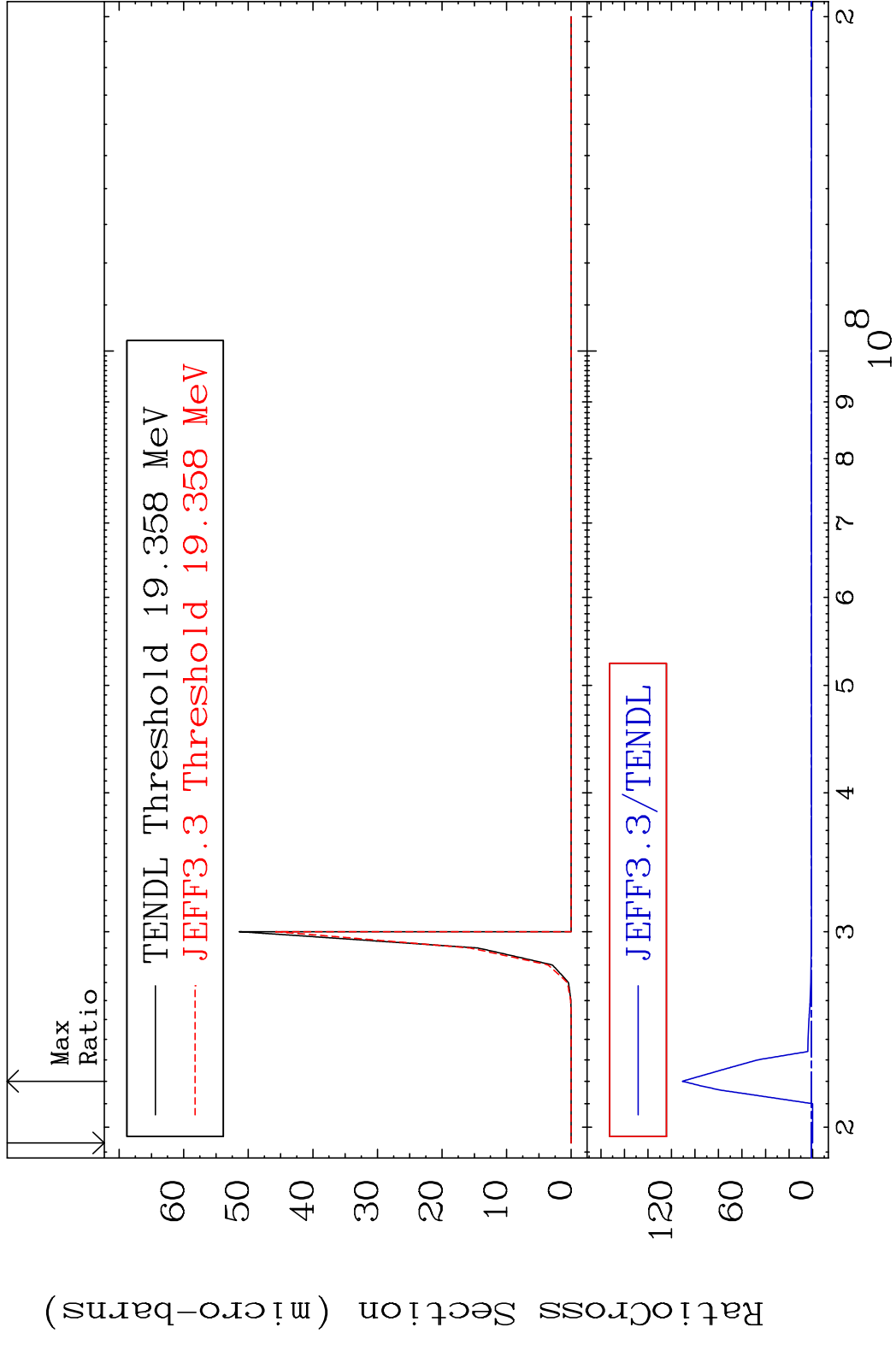
Incident Energy (eV)

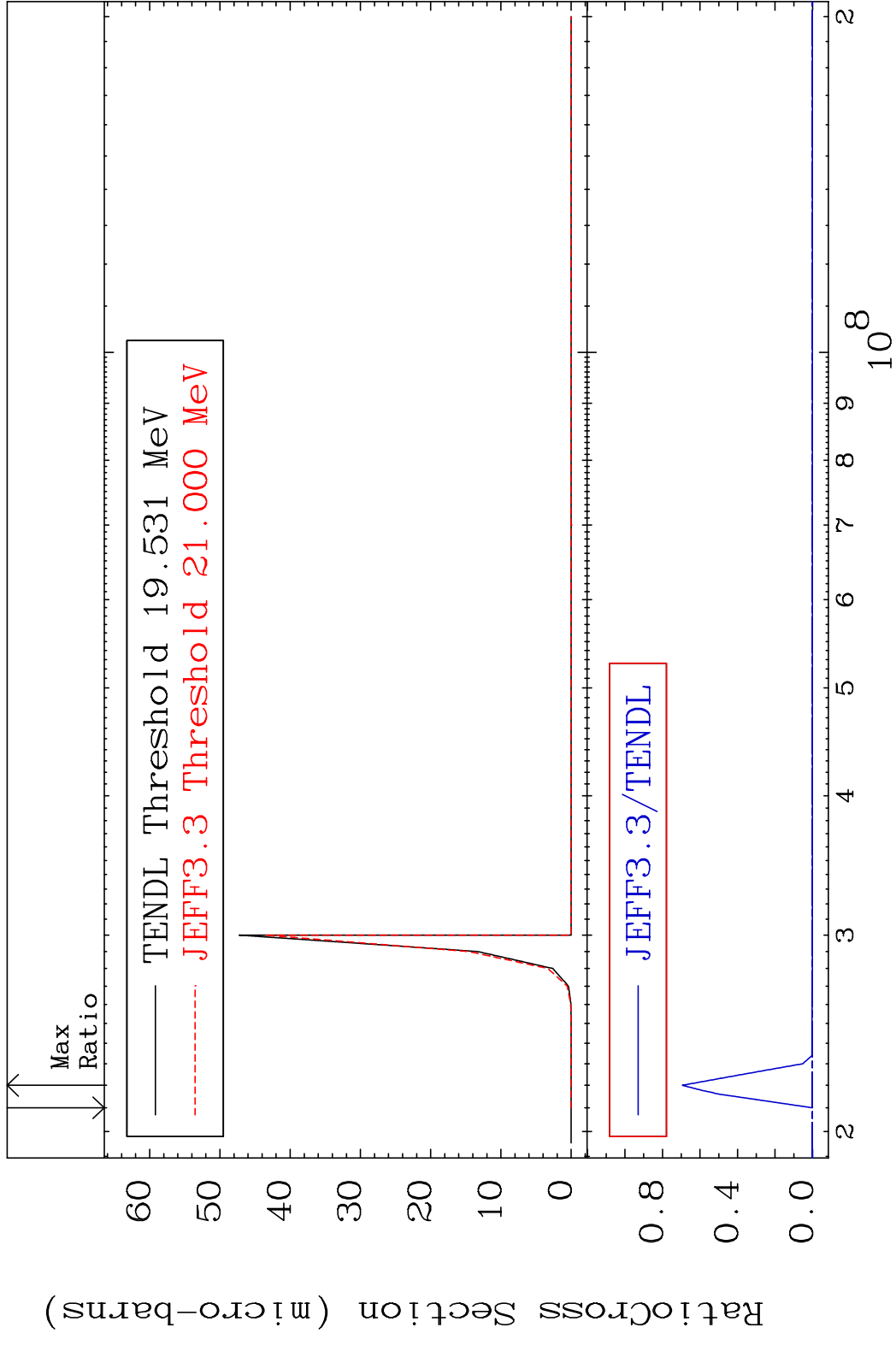
78-Pt-194

MAT 7837 Dpa disappearance (mt102 -120) 78-Pt-194
 Cross Section -100.0 To 9999. %

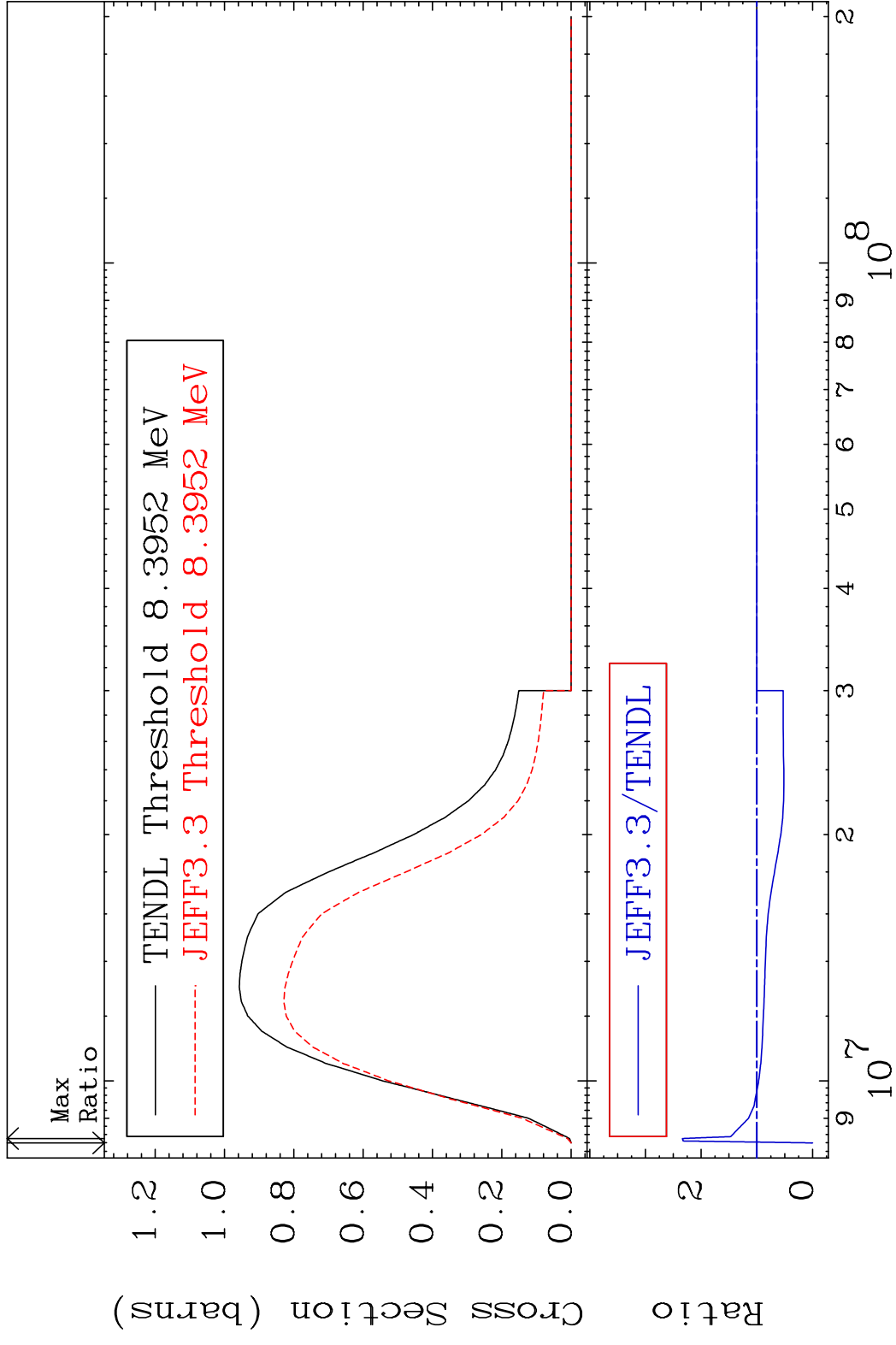


MAT 7837 (n,2n) d:77-Ir-191g 78-Pt-194
 Radionuclide Production Cross Section Ratio 9999. %



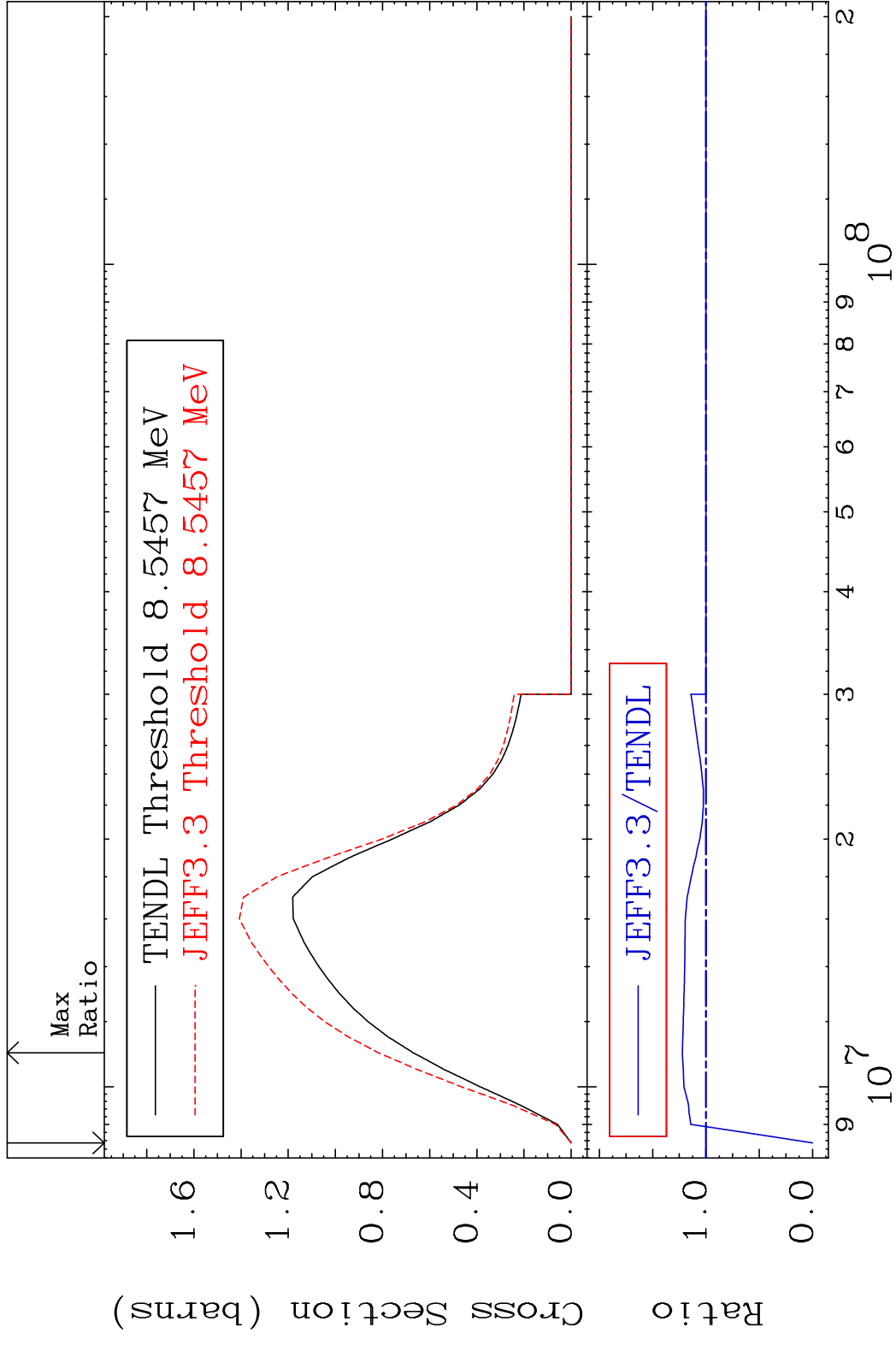


MAT 7837 (n,2n):78-Pt-193g 78-Pt-194
 Radionuclide Production Cross Section 133.7 %

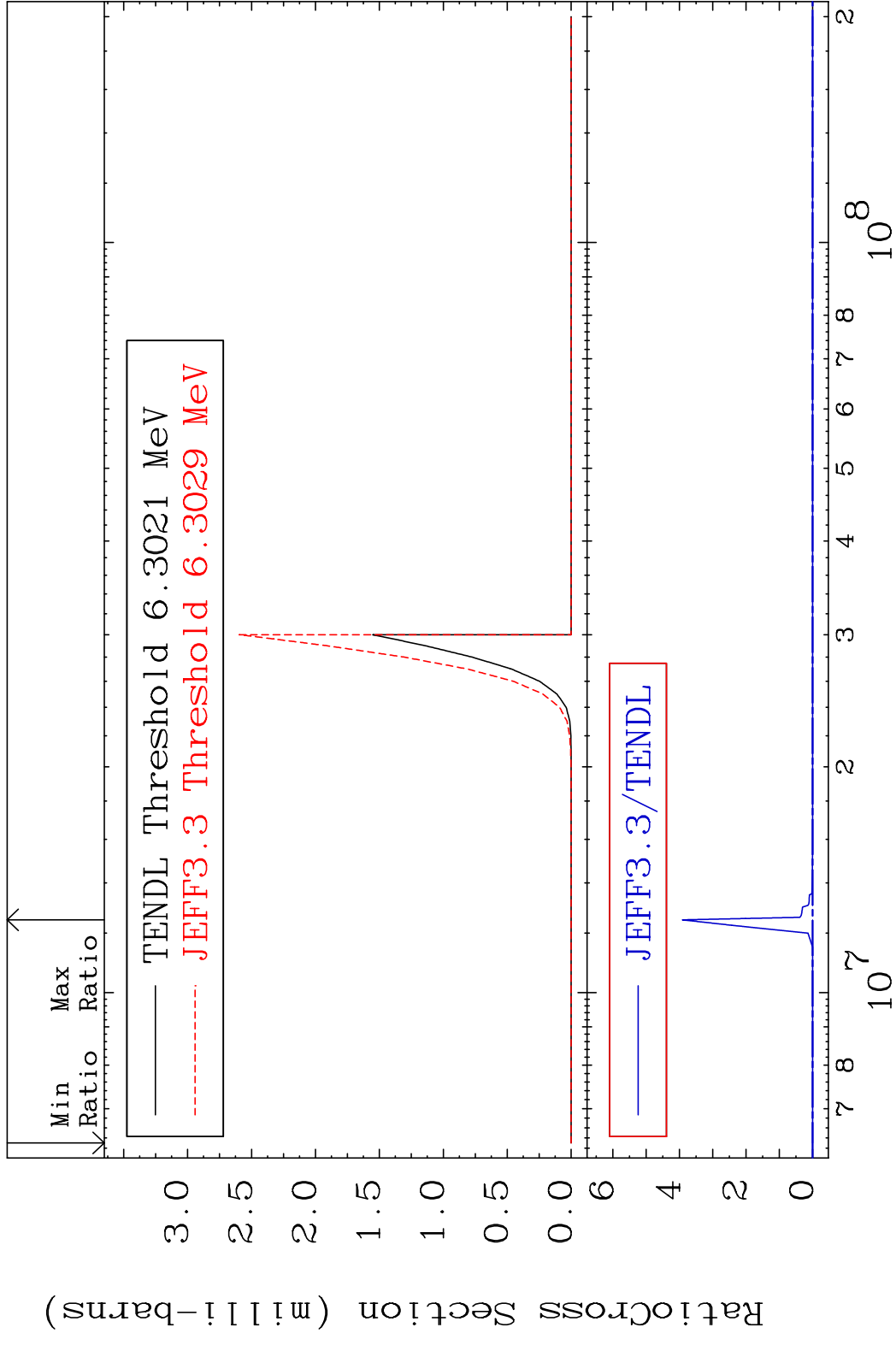


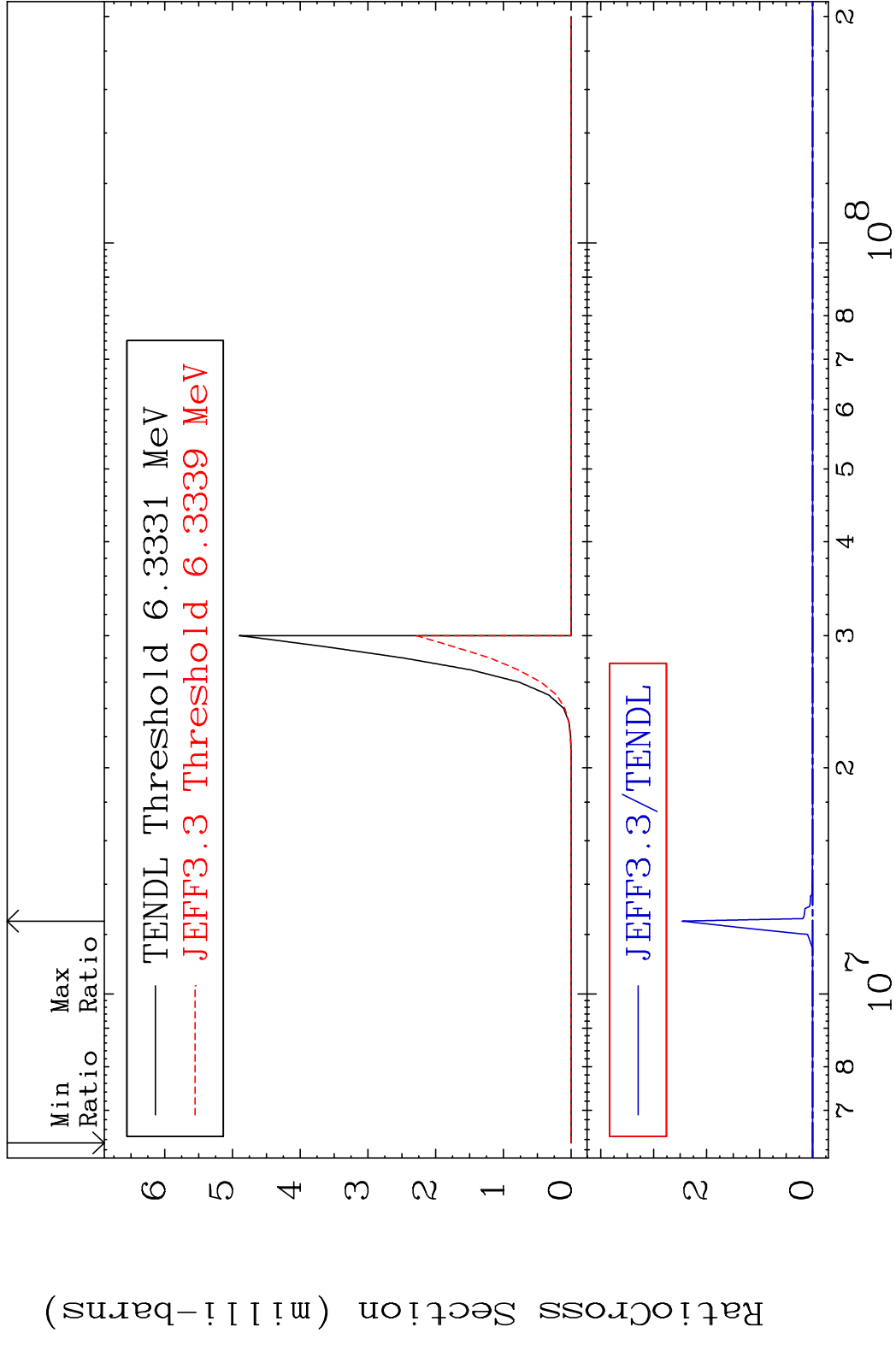
79 Incident Energy (eV) 78-Pt-194

MAT 7837 (n,2n):78-Pt-193m5 78-Pt-194
 Radionuclide Production Cross Section 180.01 dth 22.14 %

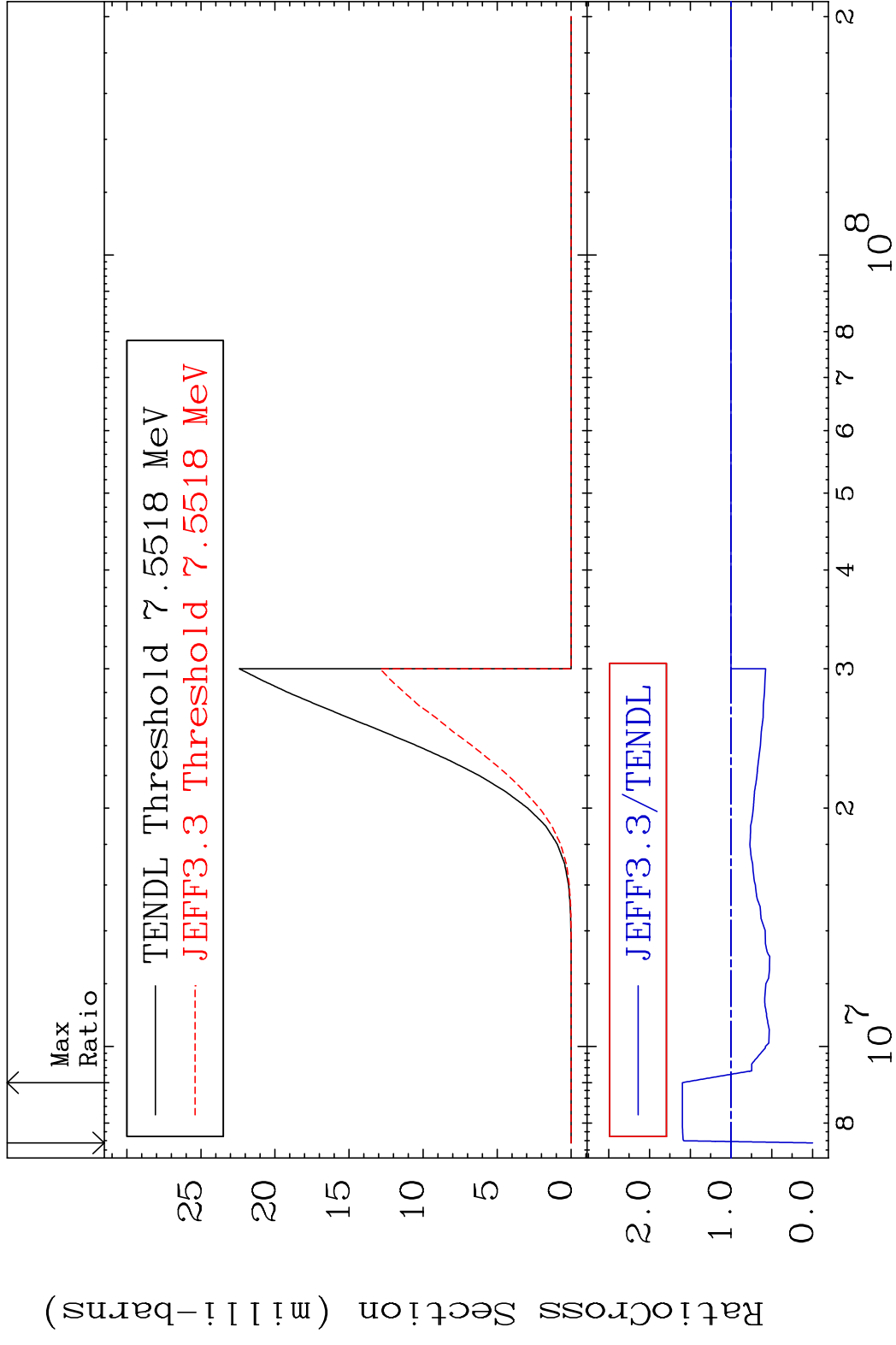


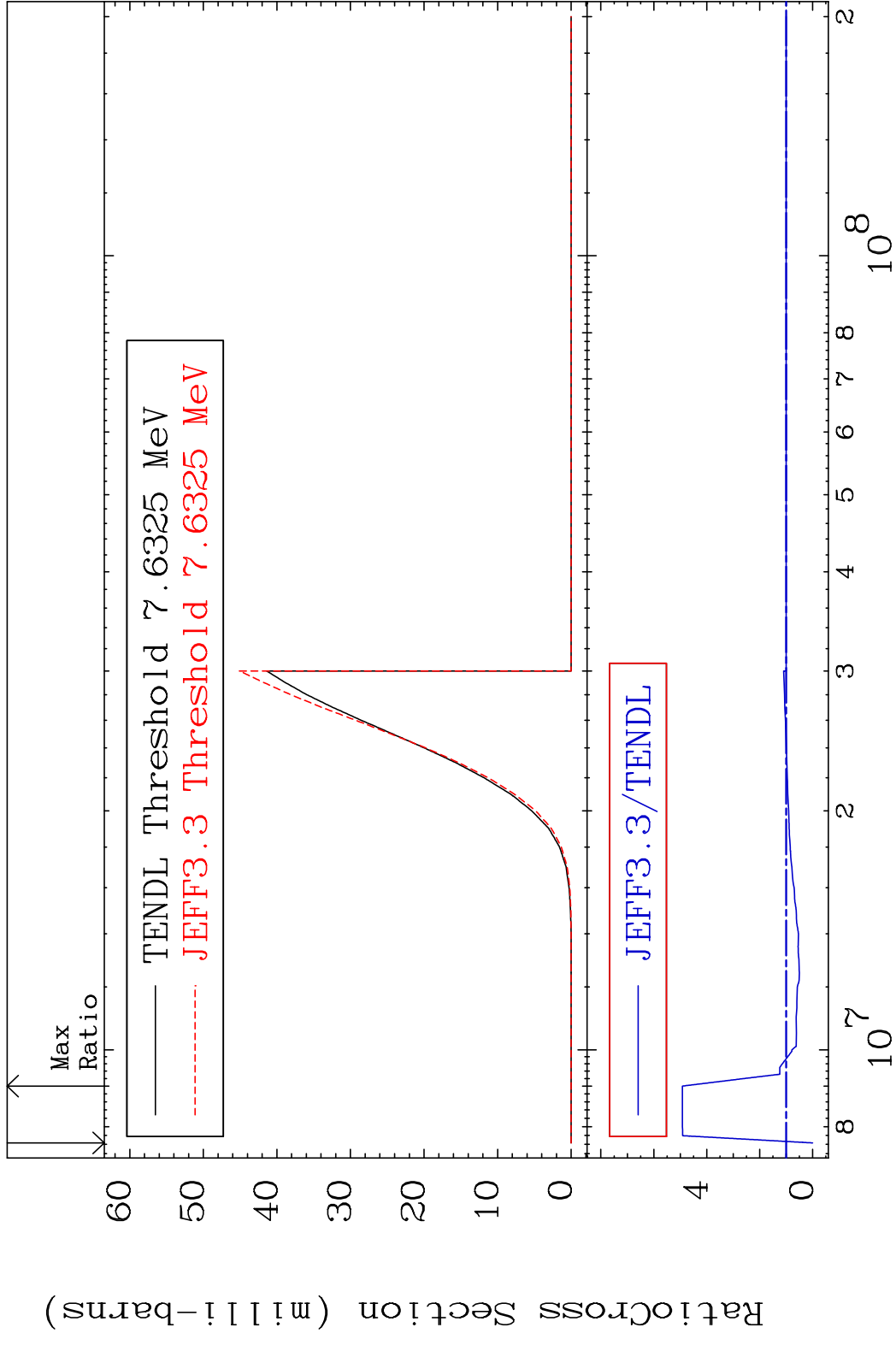
80 Incident Energy (eV) 78-Pt-194

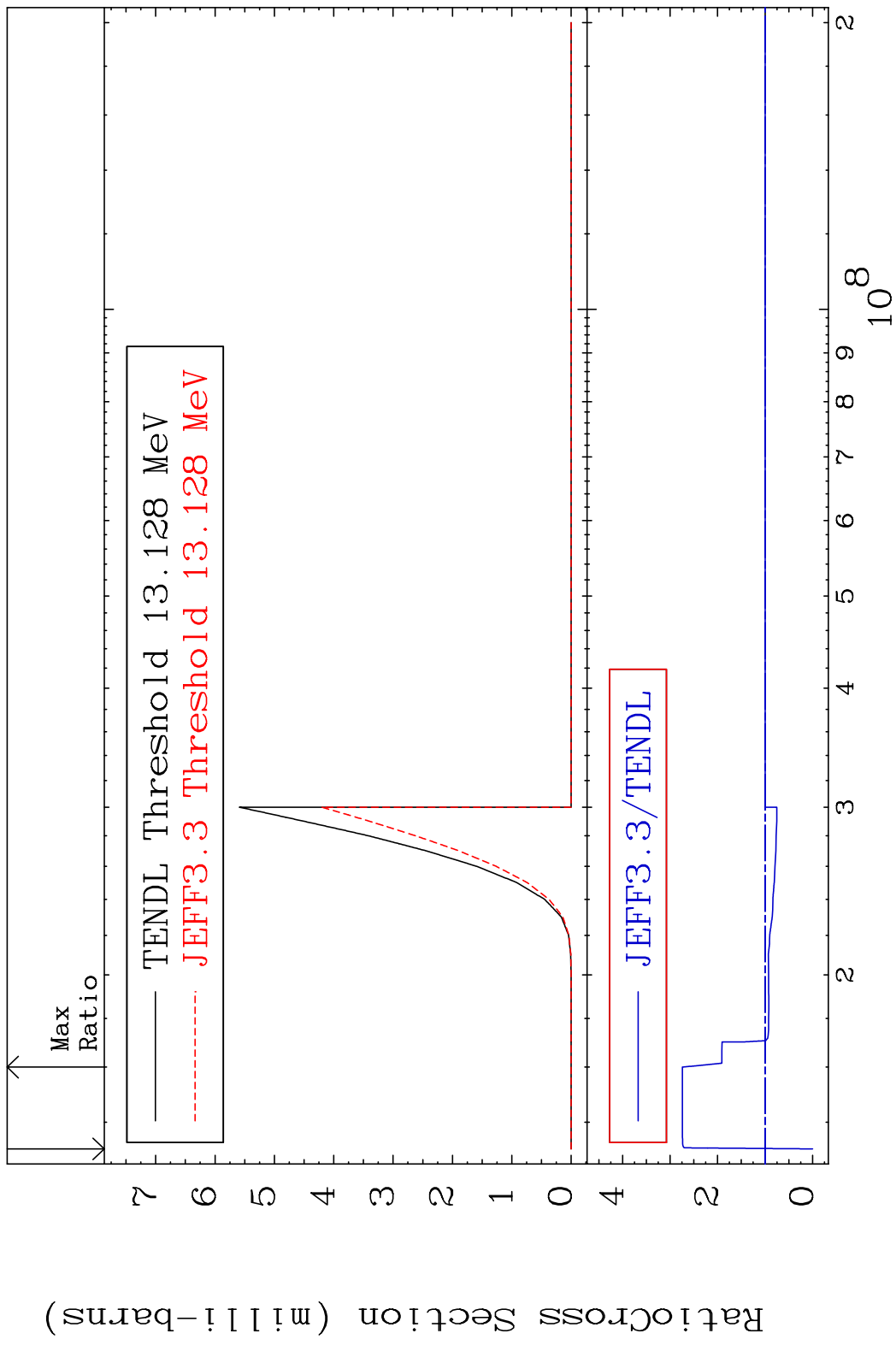


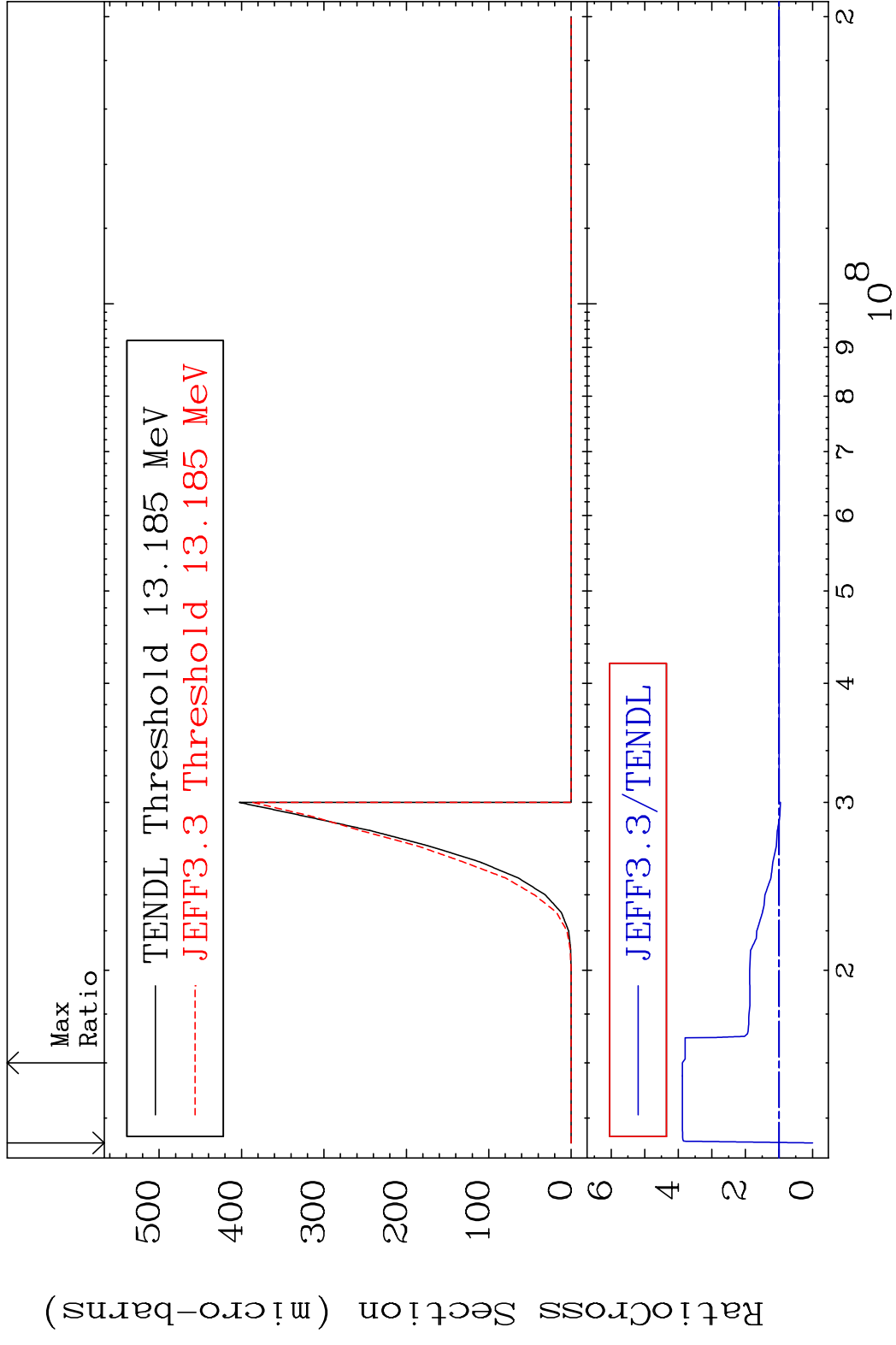


MAT 7837 (n, n') p:77-Ir-193g 78-Pt-194
 Radionuclide Production Cross Section Ratio 59.72 %

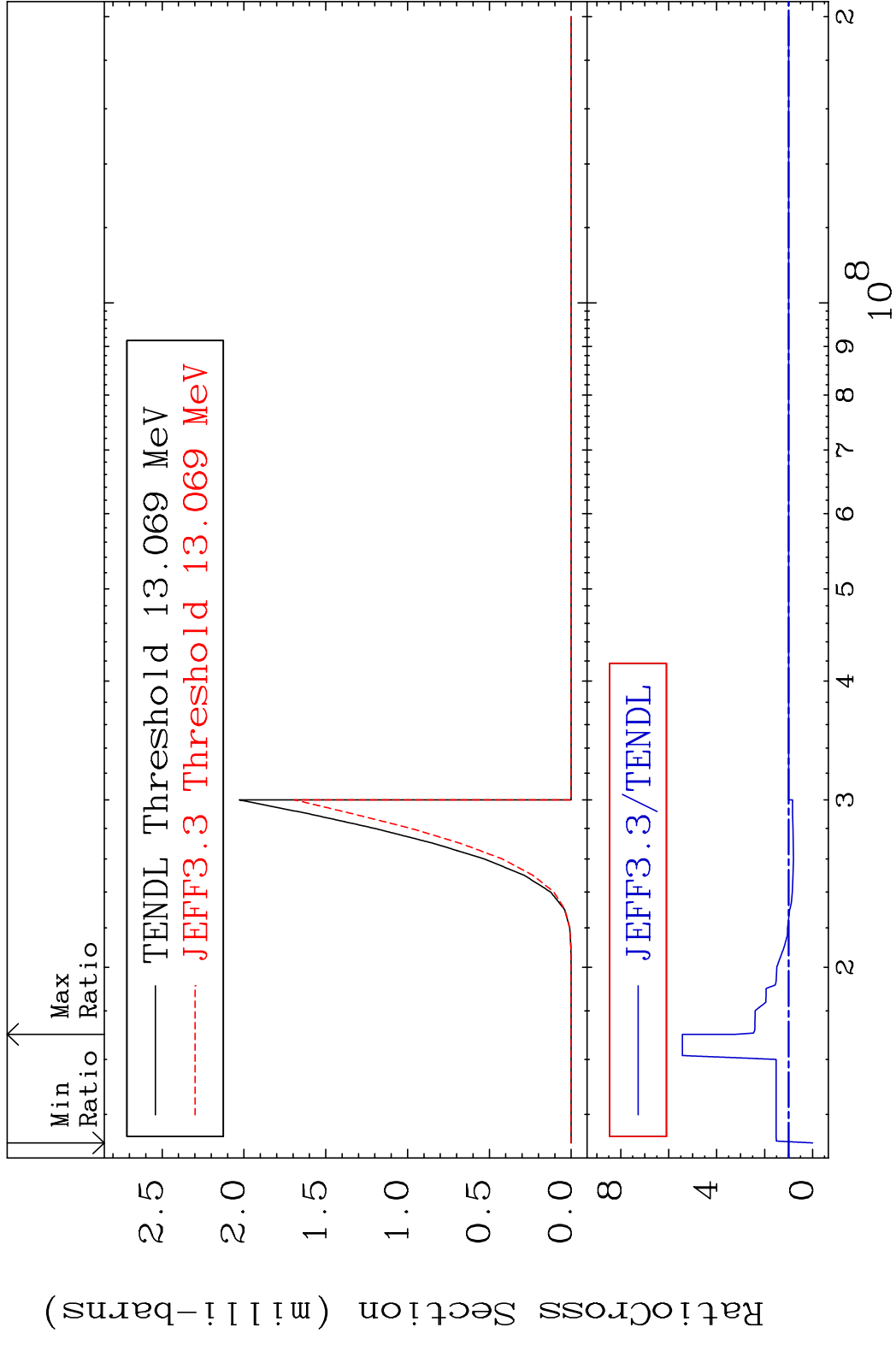


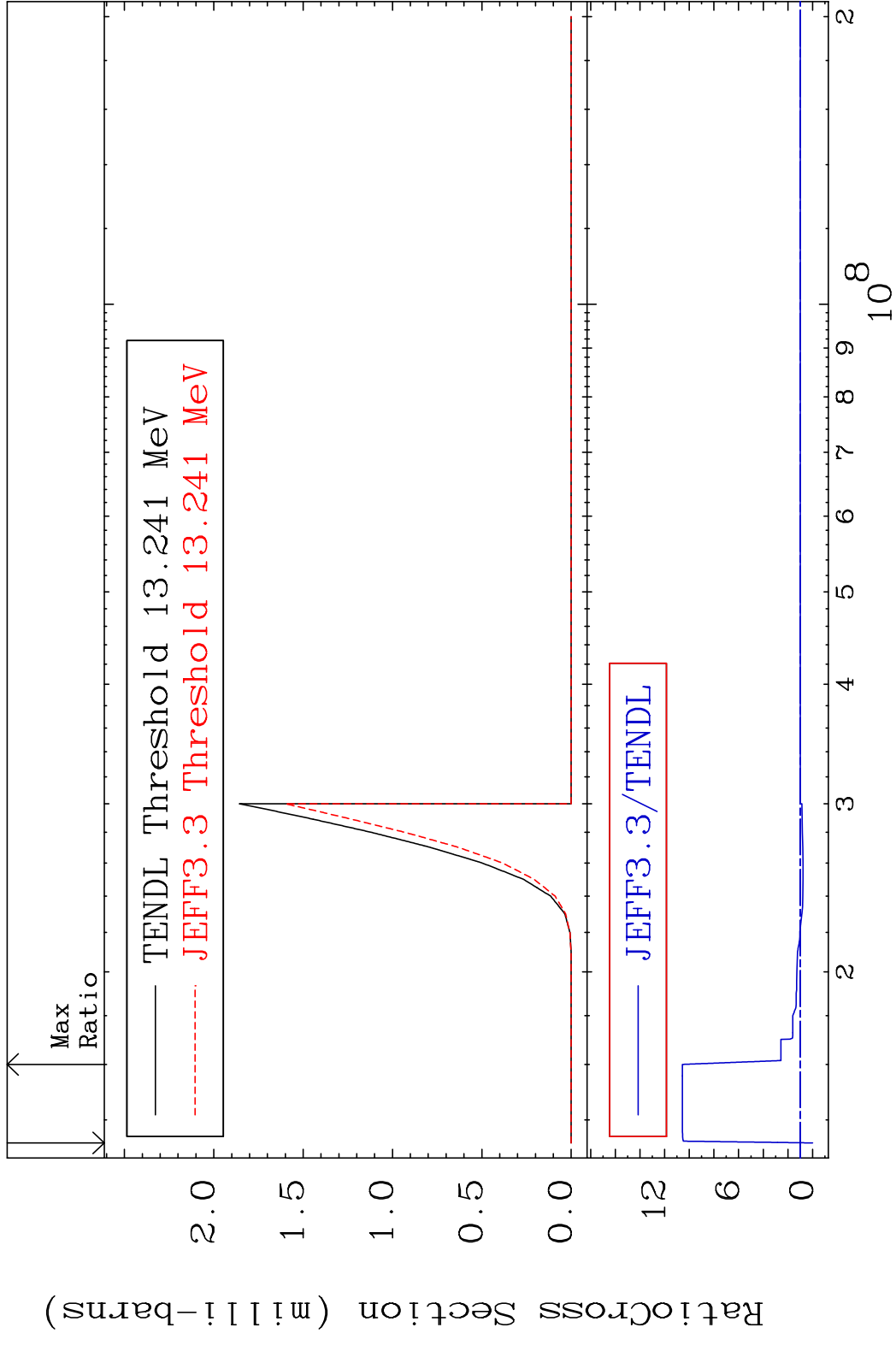




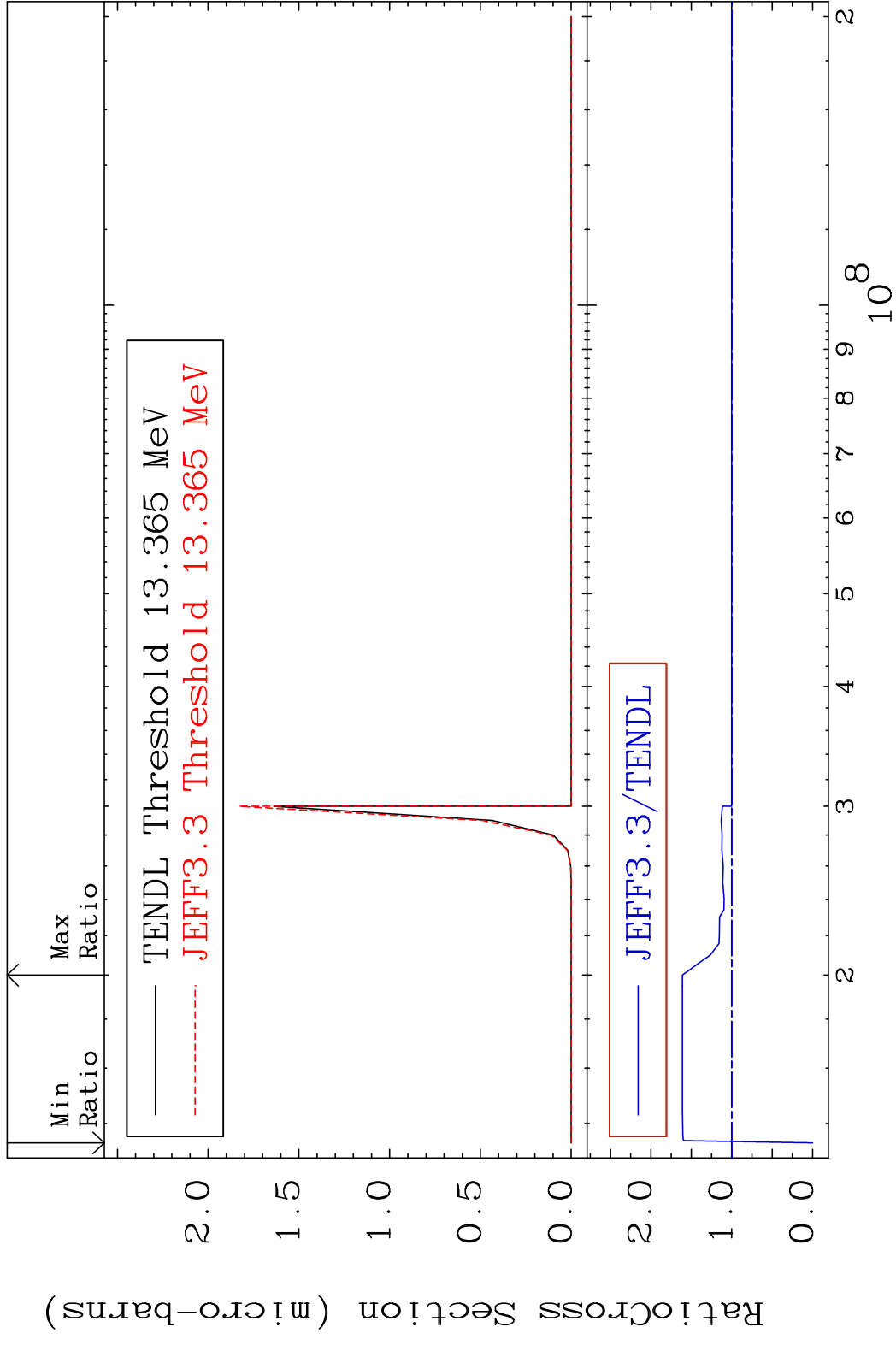


MAT 7837 (n, n') t:77-Ir-191g 78-Pt-194
 Radionuclide Production Cross Section 443.2 %

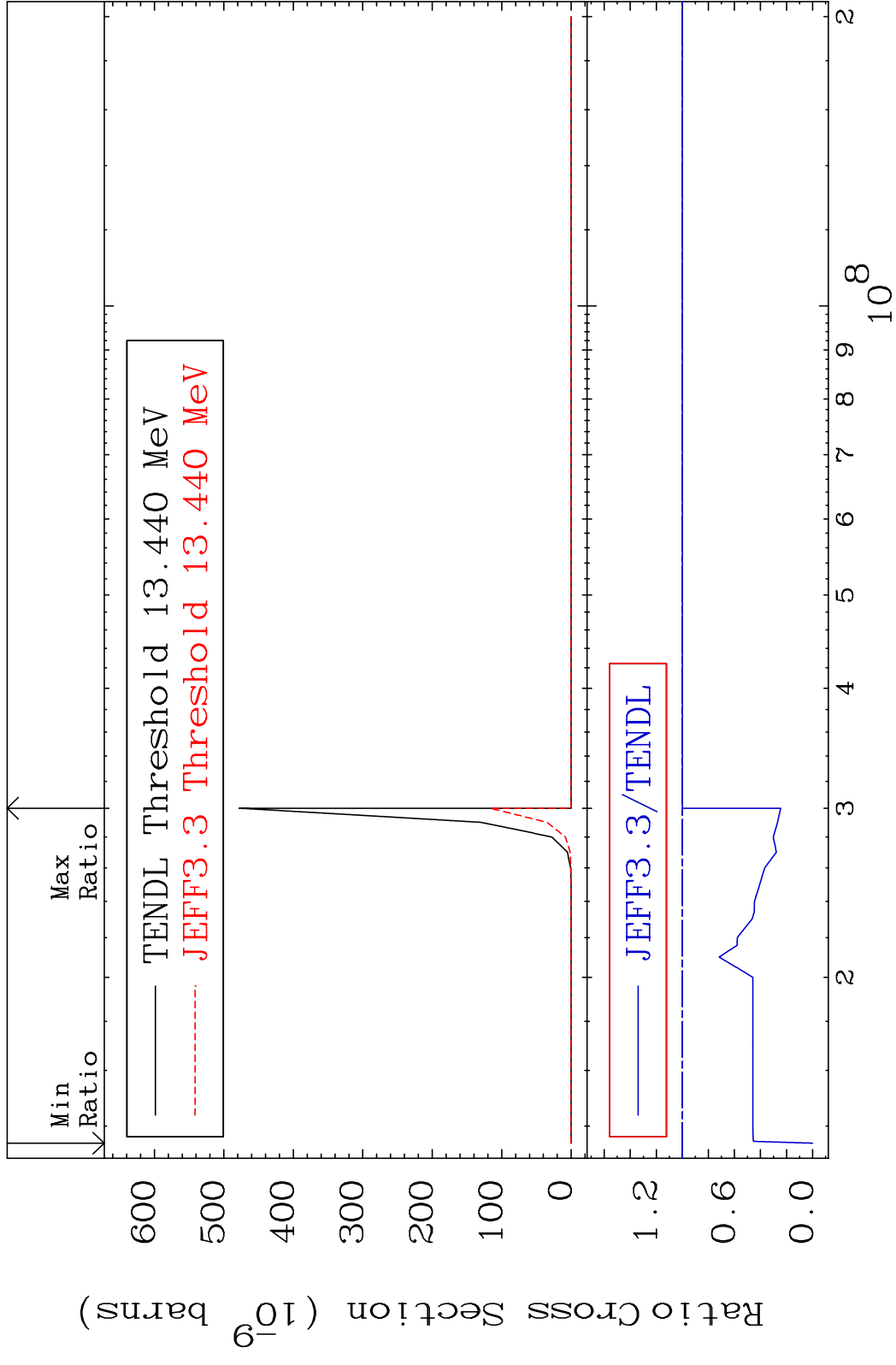


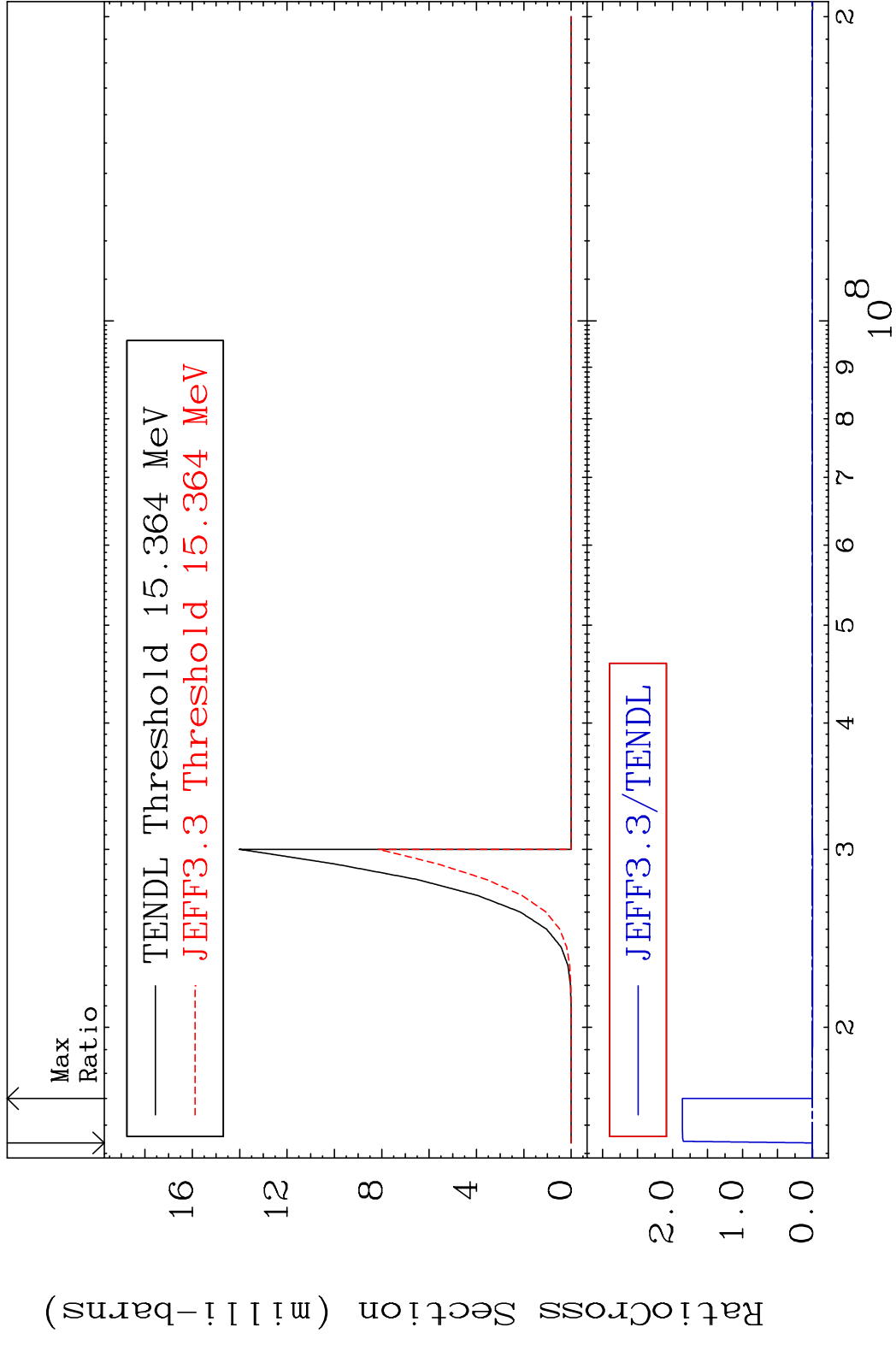


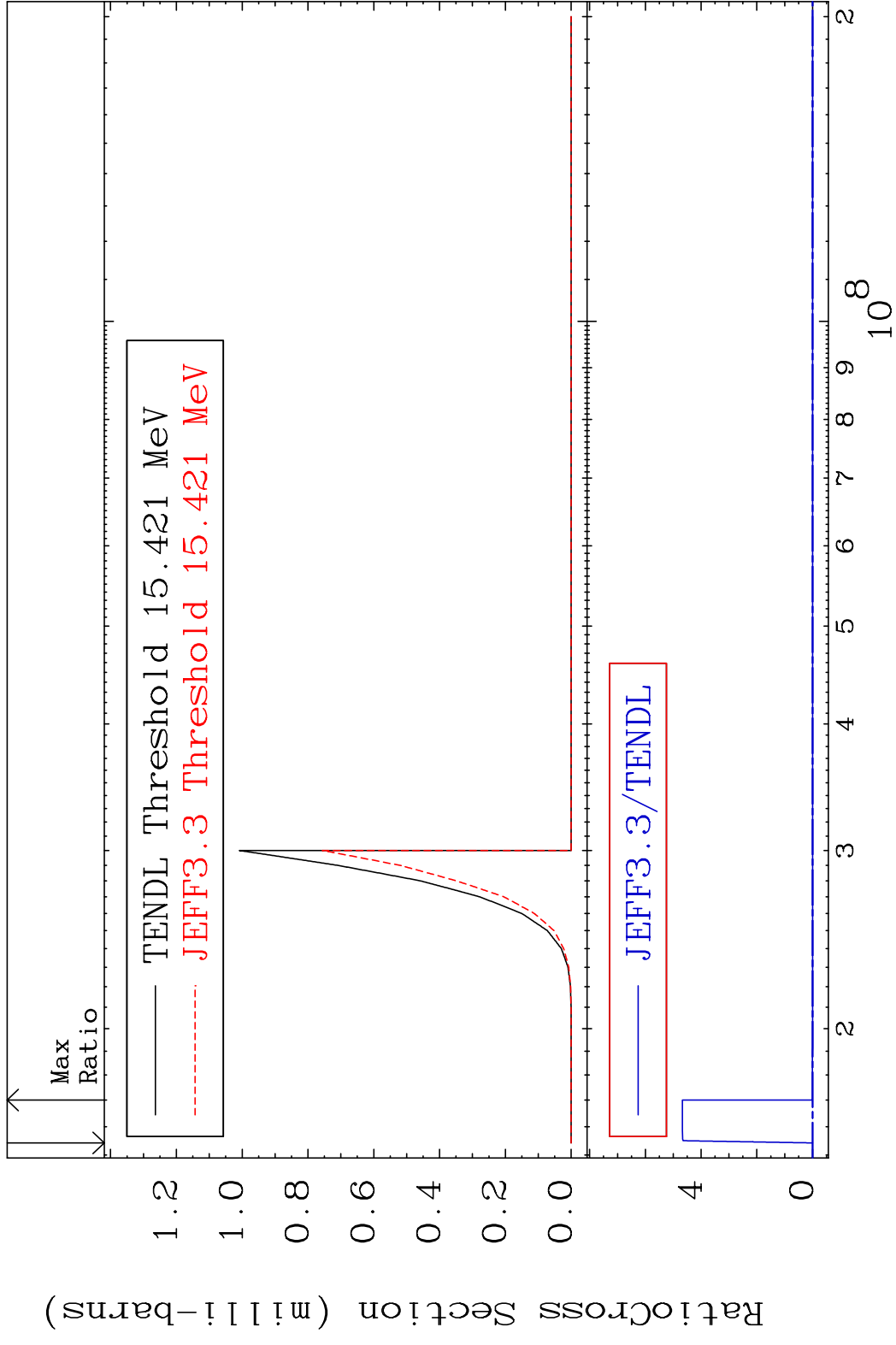
MAT 7837 (n, n') He-3:76-0s-191g 78-Pt-194
 Radionuclide Production Cross Section 61.10 %

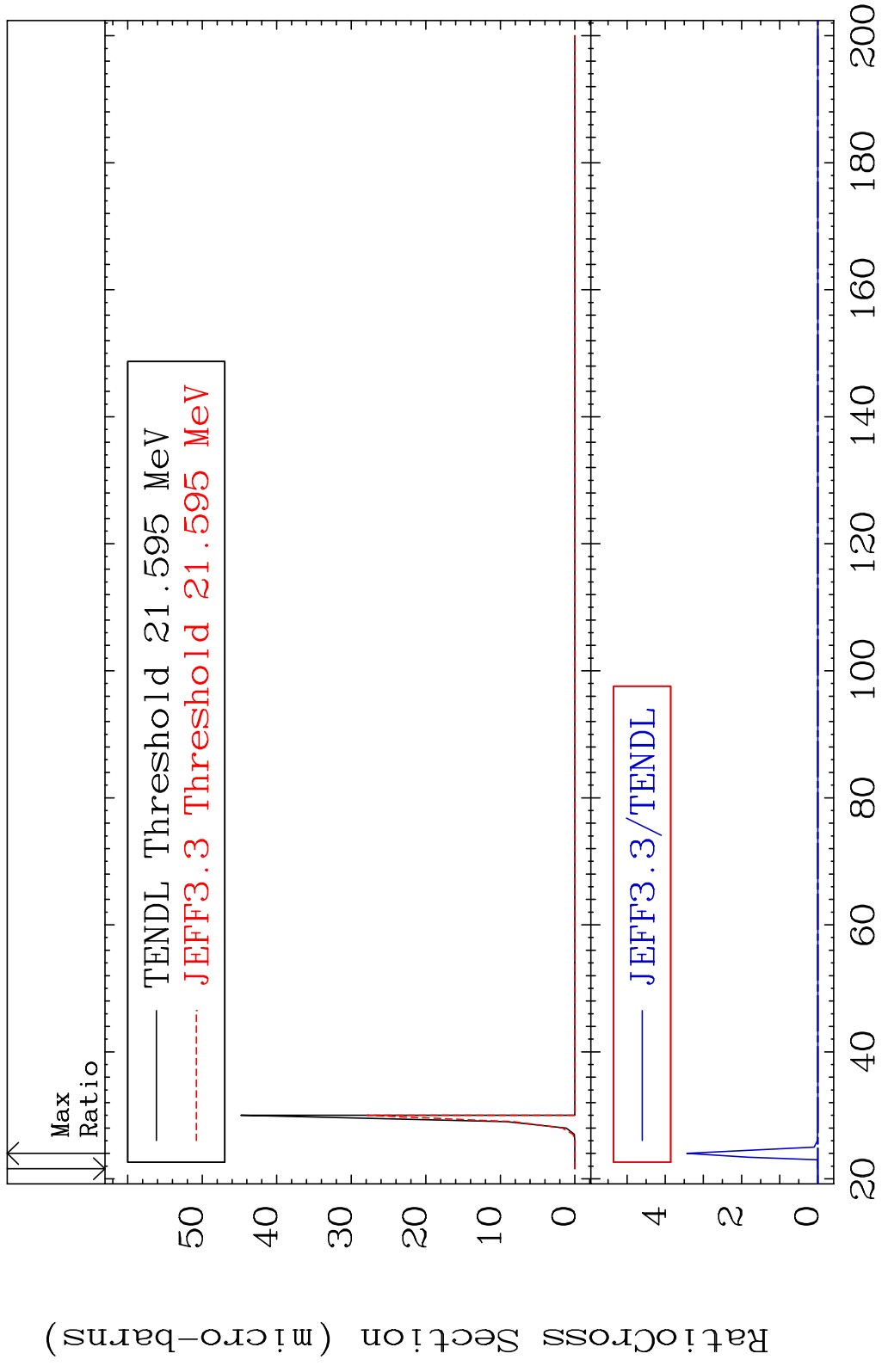


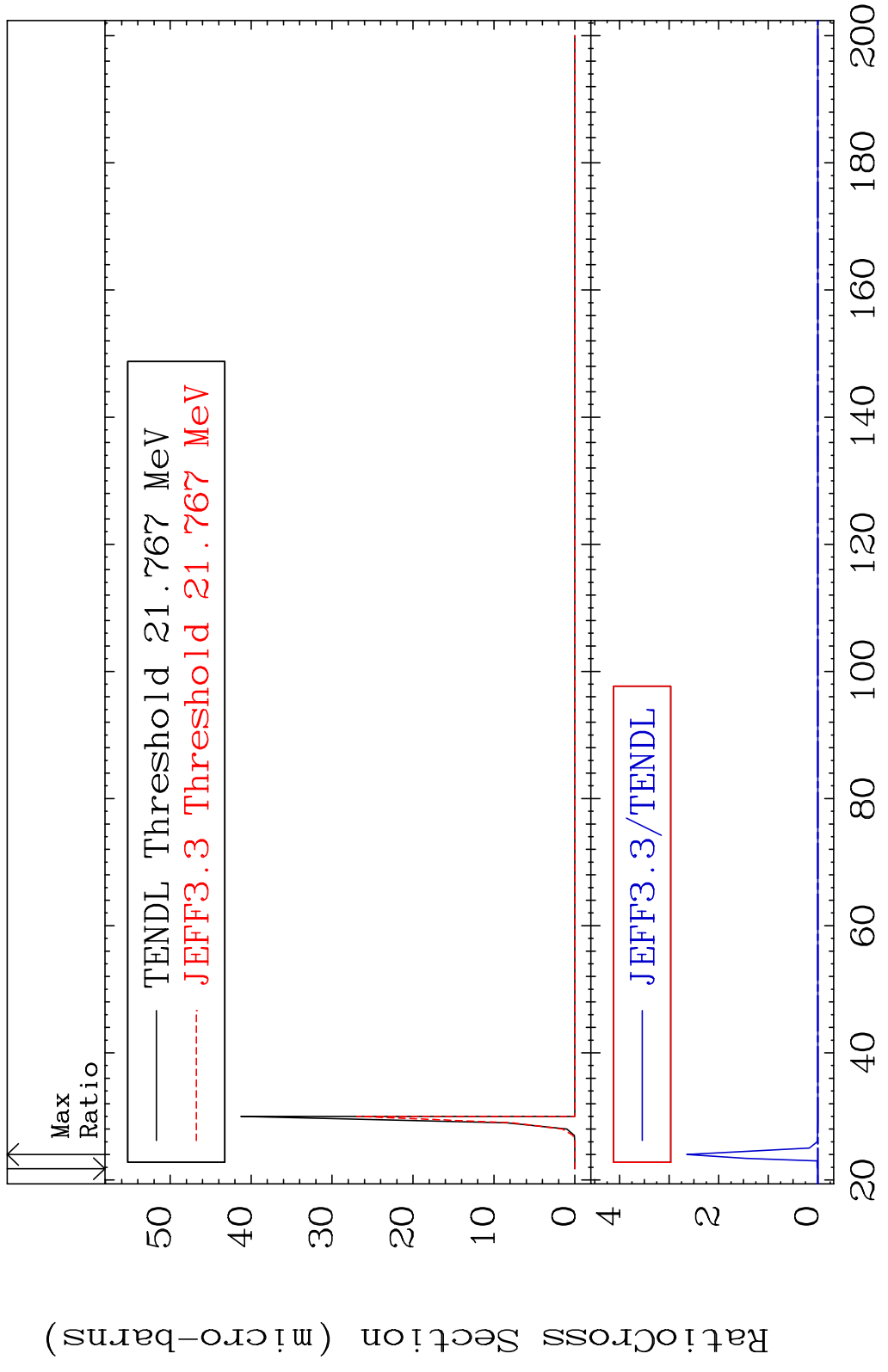
MAT 7837 (n, n') He-3:76-0s-191m1 78-Pt-194
 Radionuclide Production Cross Section Ratio 0.000 %



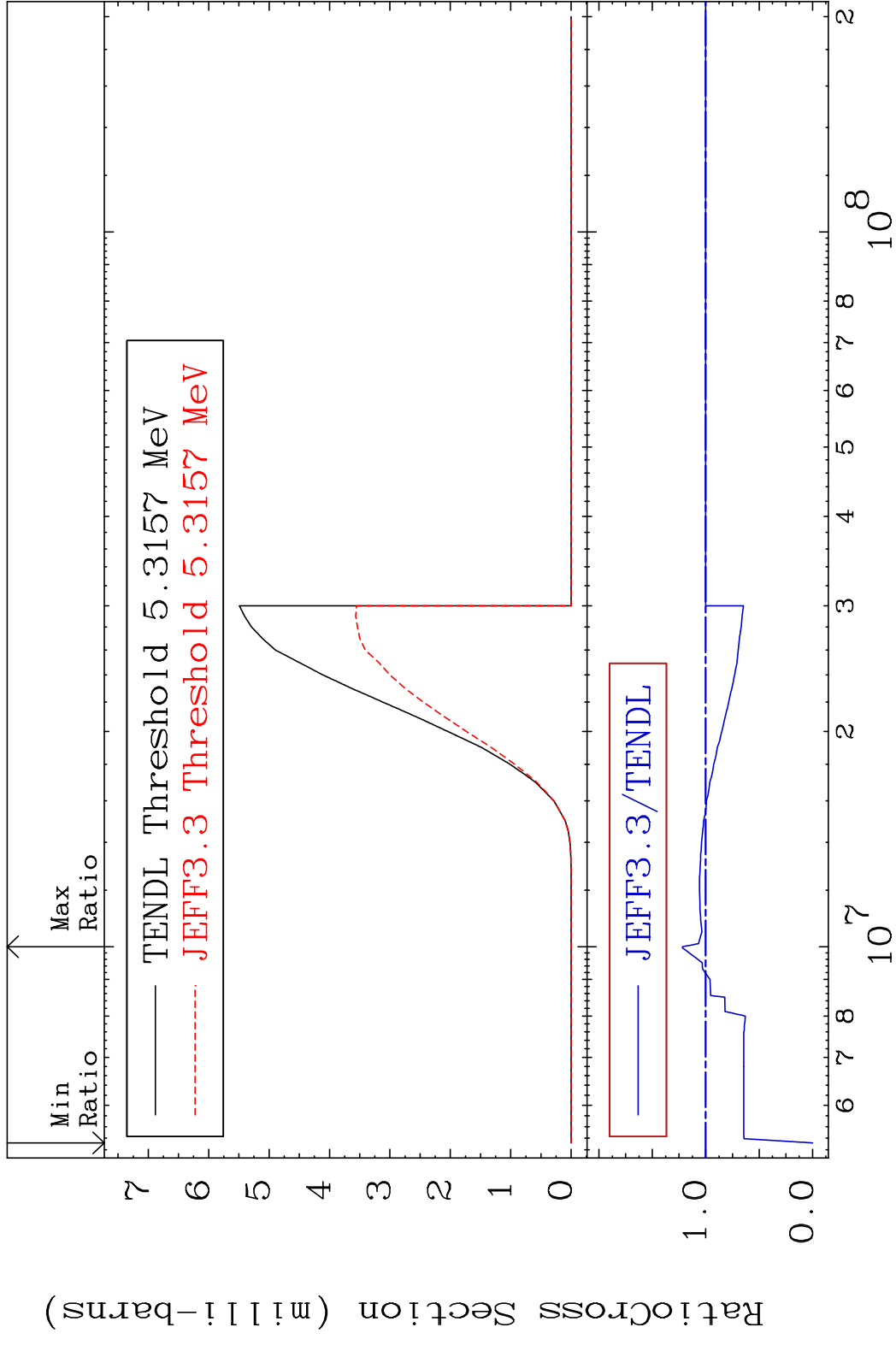


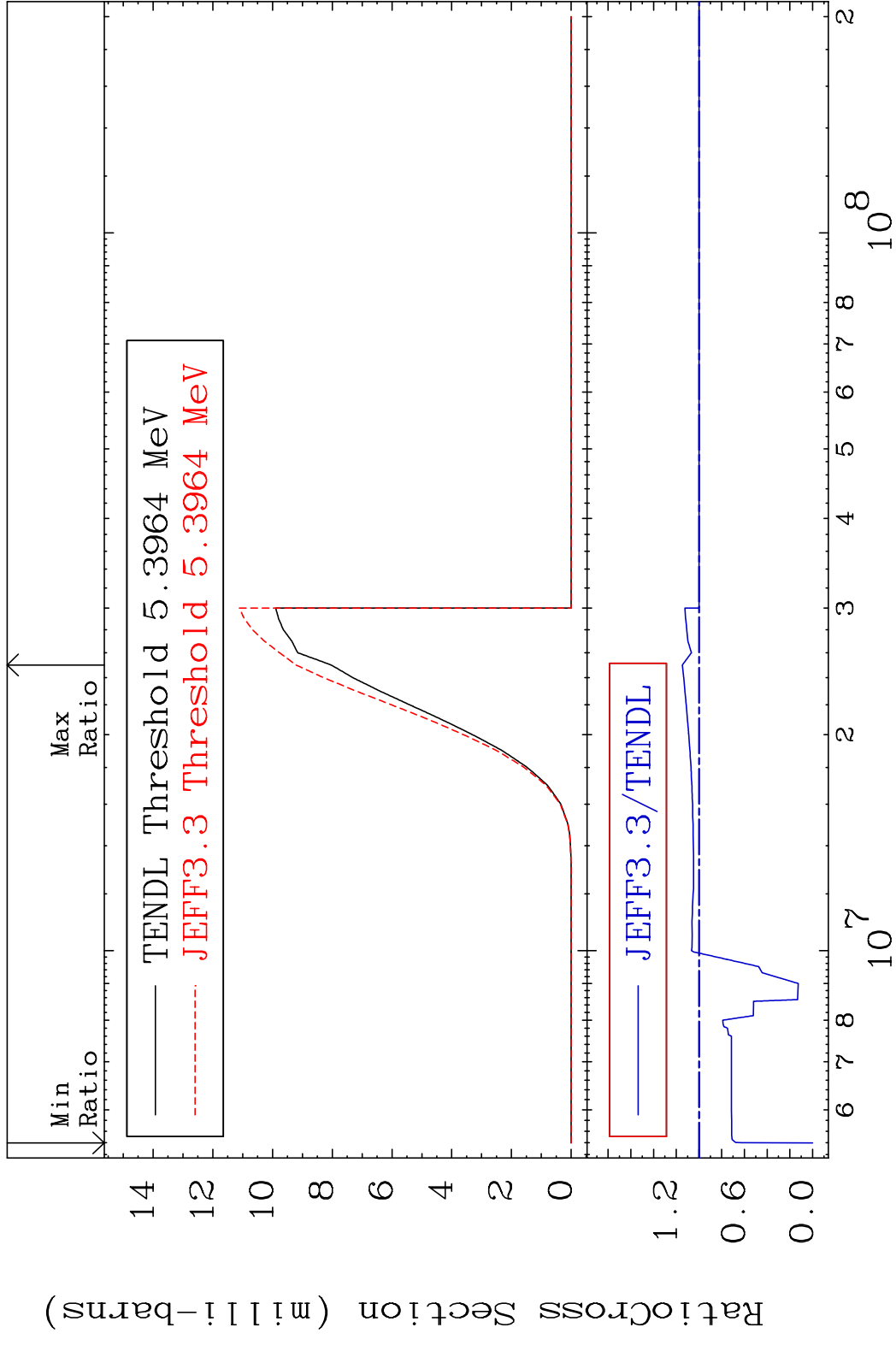


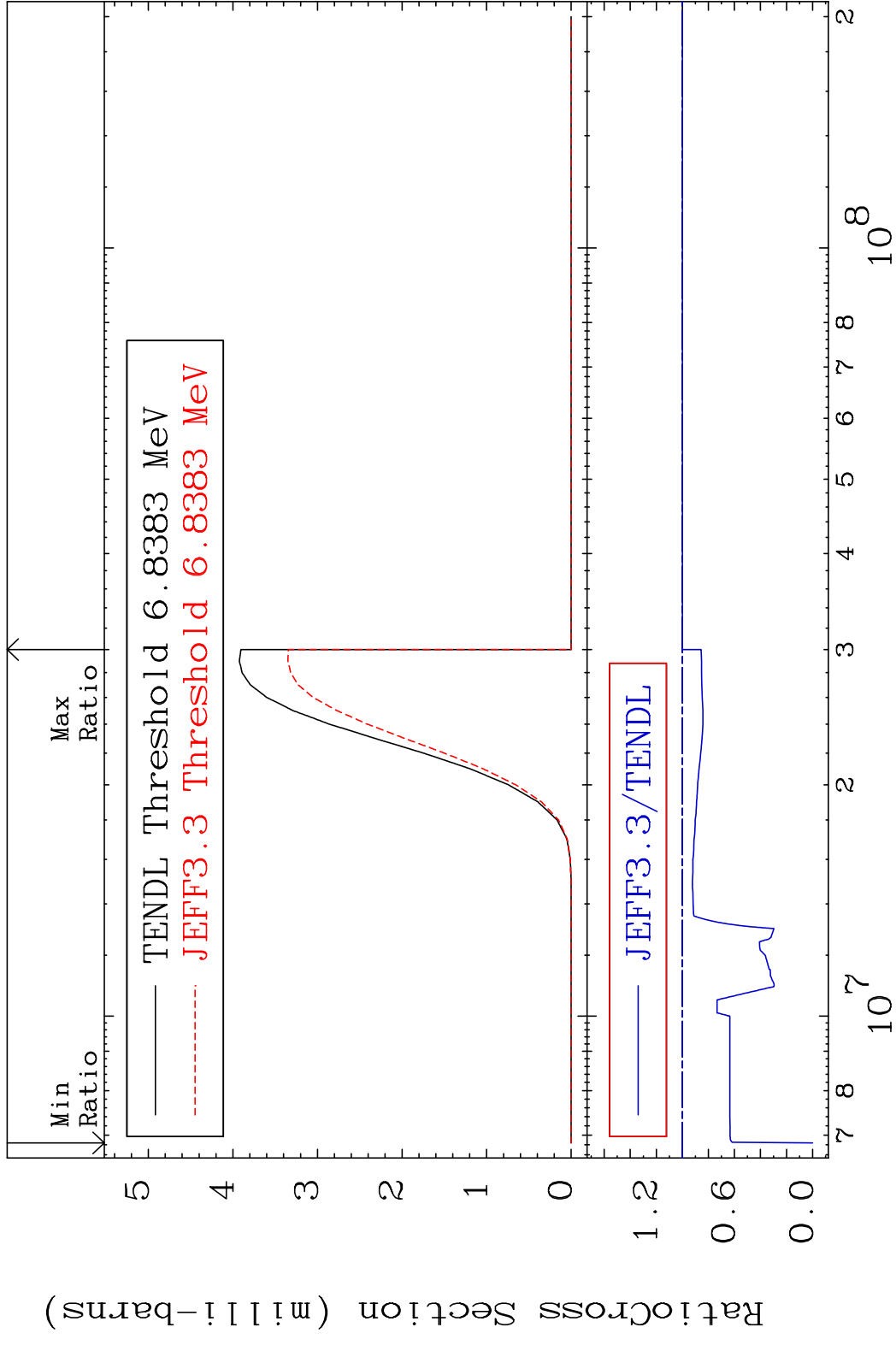




MAT 7837 (n,d):77-Ir-193g 78-Pt-194
 Radionuclide Production Cross Section 180.01 dth 21.90 %







MAT 7837 (n, t): 77-Ir-192m3 78-Pt-194
 Radionuclide Production Cross Section Ratio 93.90 %

