

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

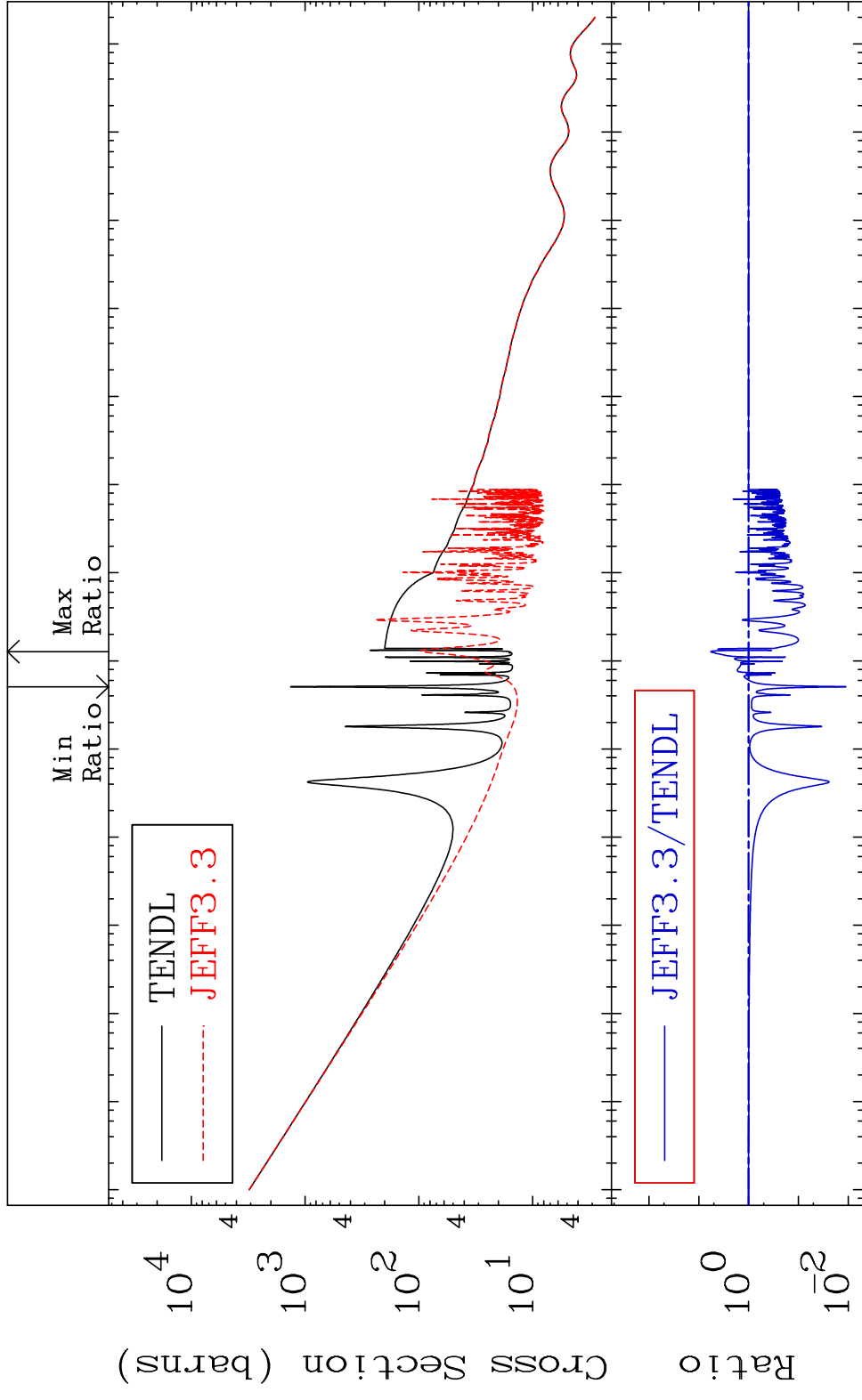
Press Mouse Button to Start

MAT 7828

78-Pt-191

Total

Cross Section -98.91 To 475.9 %



1

Incident Energy (eV)

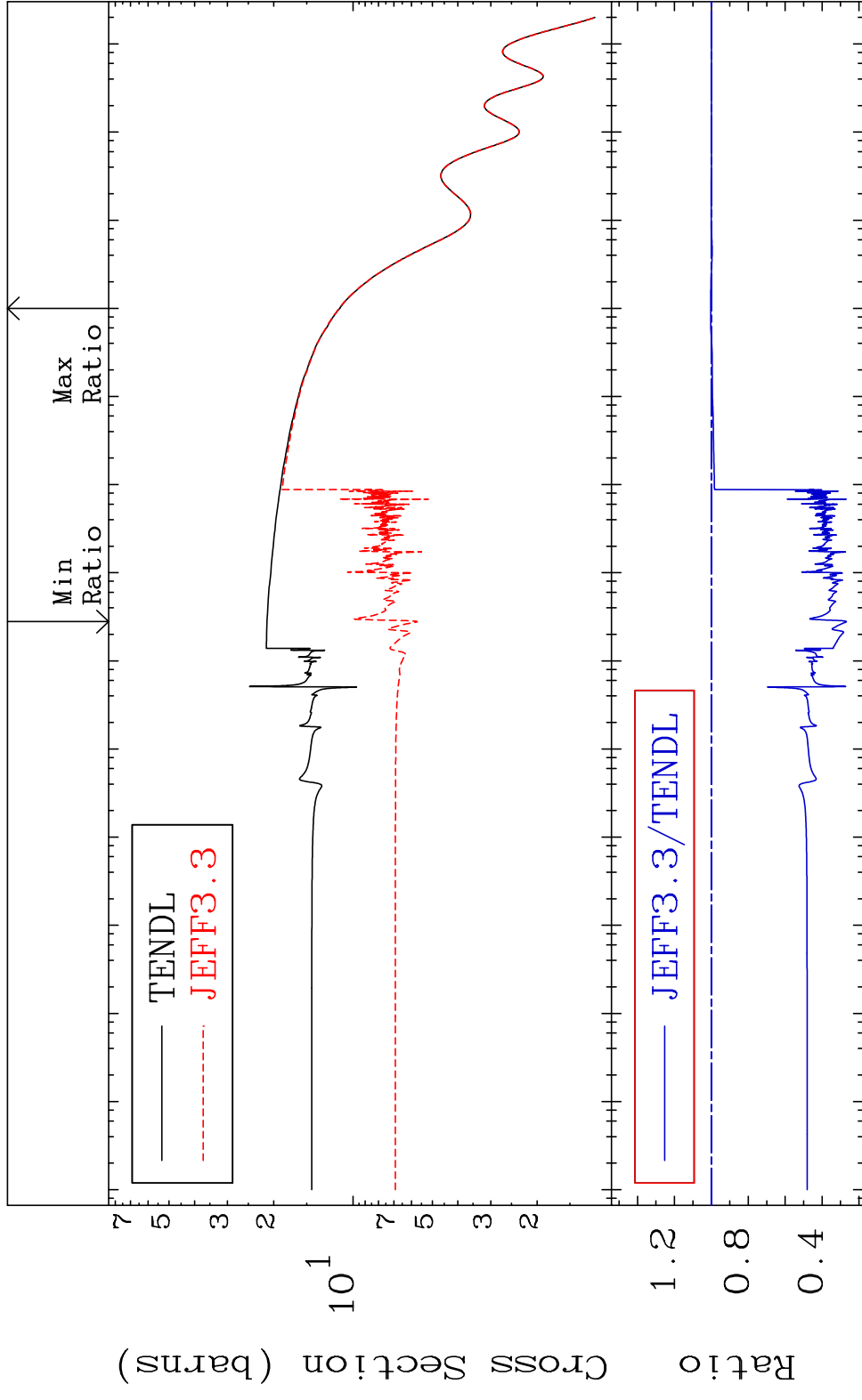
78-Pt-191

MAT 7828

Elastic

78-Pt-191

Cross Section -73.13 To 0.343 %

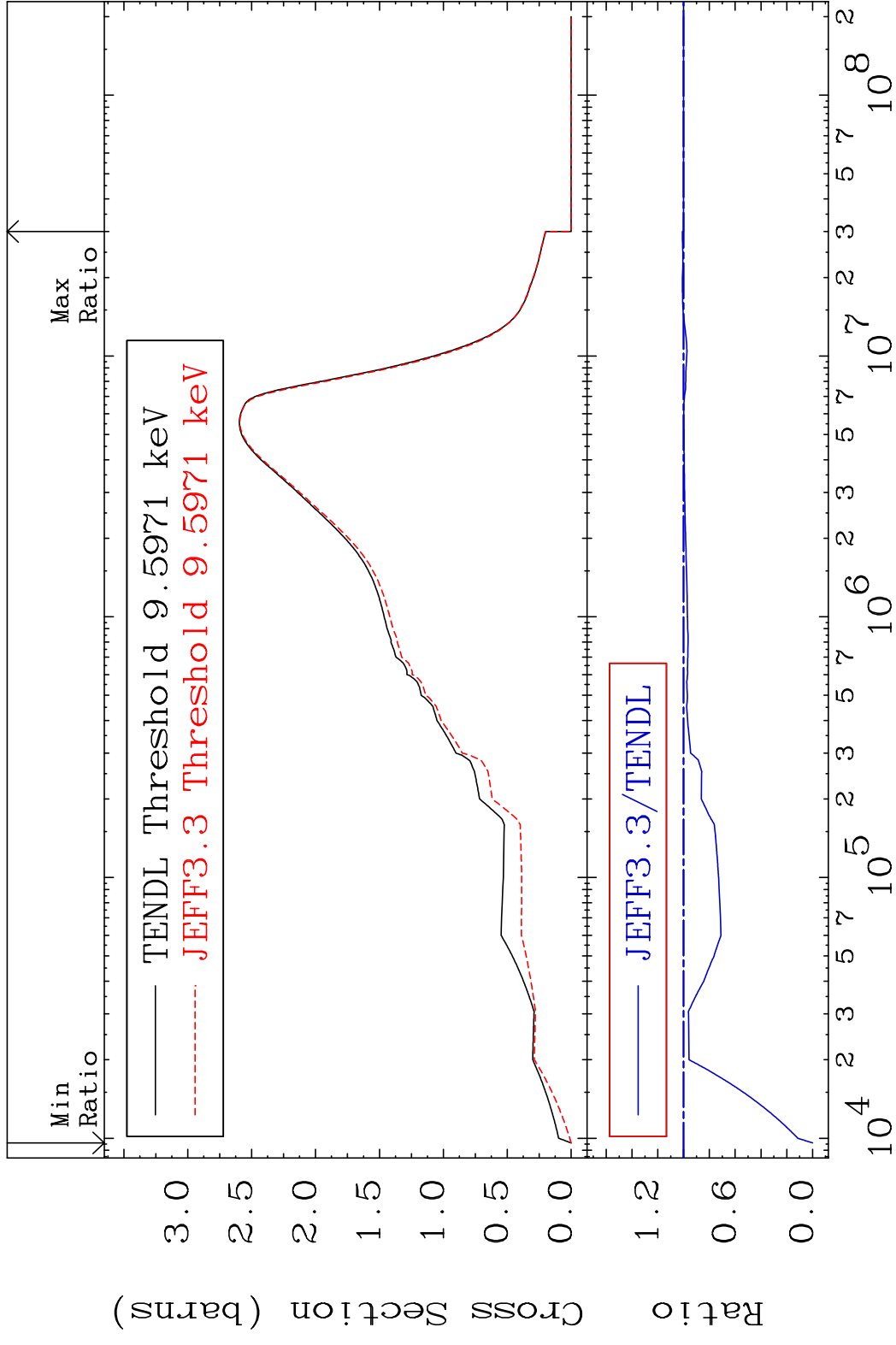


2

Incident Energy (eV)

78-Pt-191

MAT 7828 Inelastic 78-Pt-191
 Cross Section -100.0 To 0.962 %



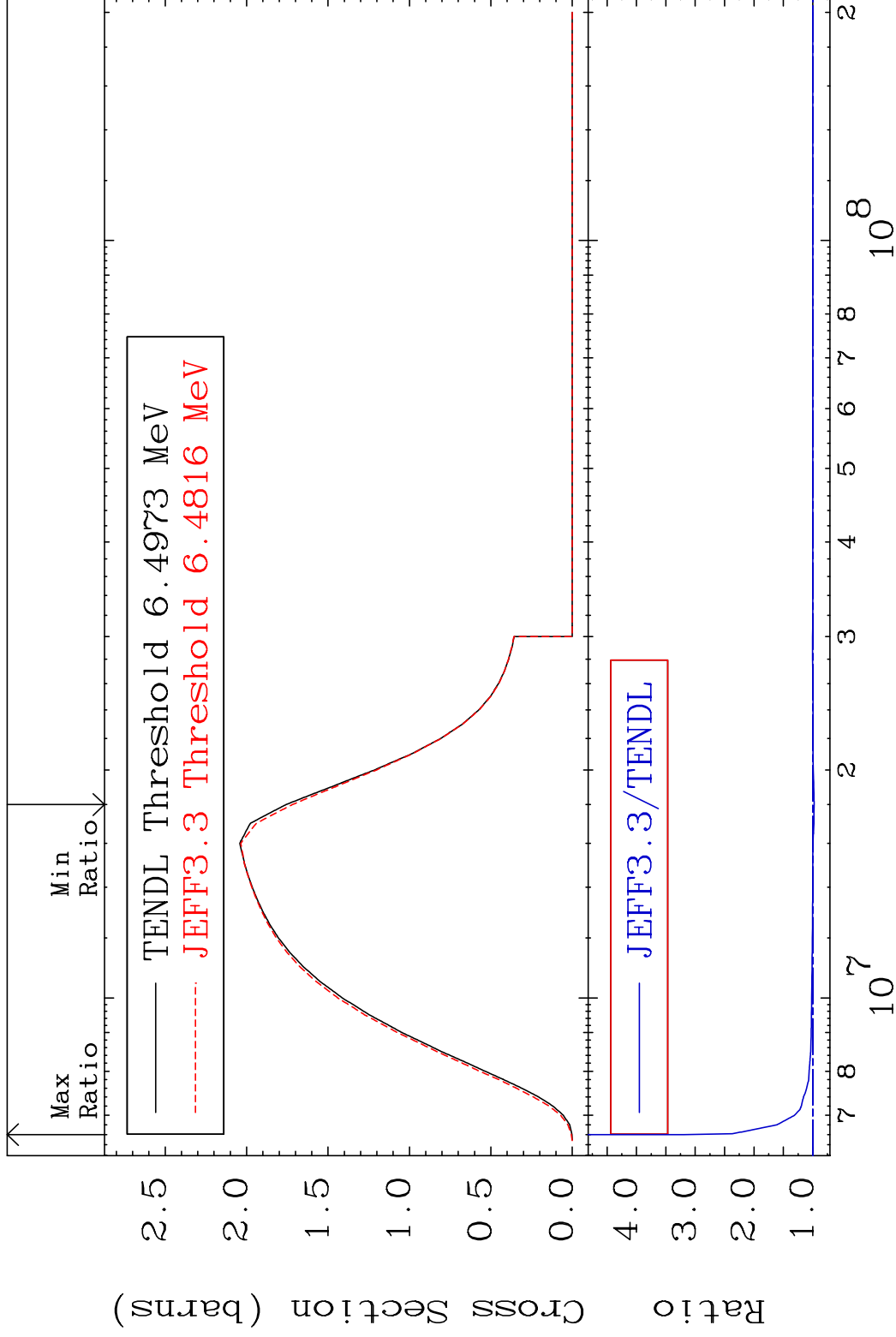
3 Incident Energy (eV) 78-Pt-191

MAT 7828

(n,2n)

78-Pt-191

Cross Section -2.213 To 219.7 %



5

Incident Energy (eV)

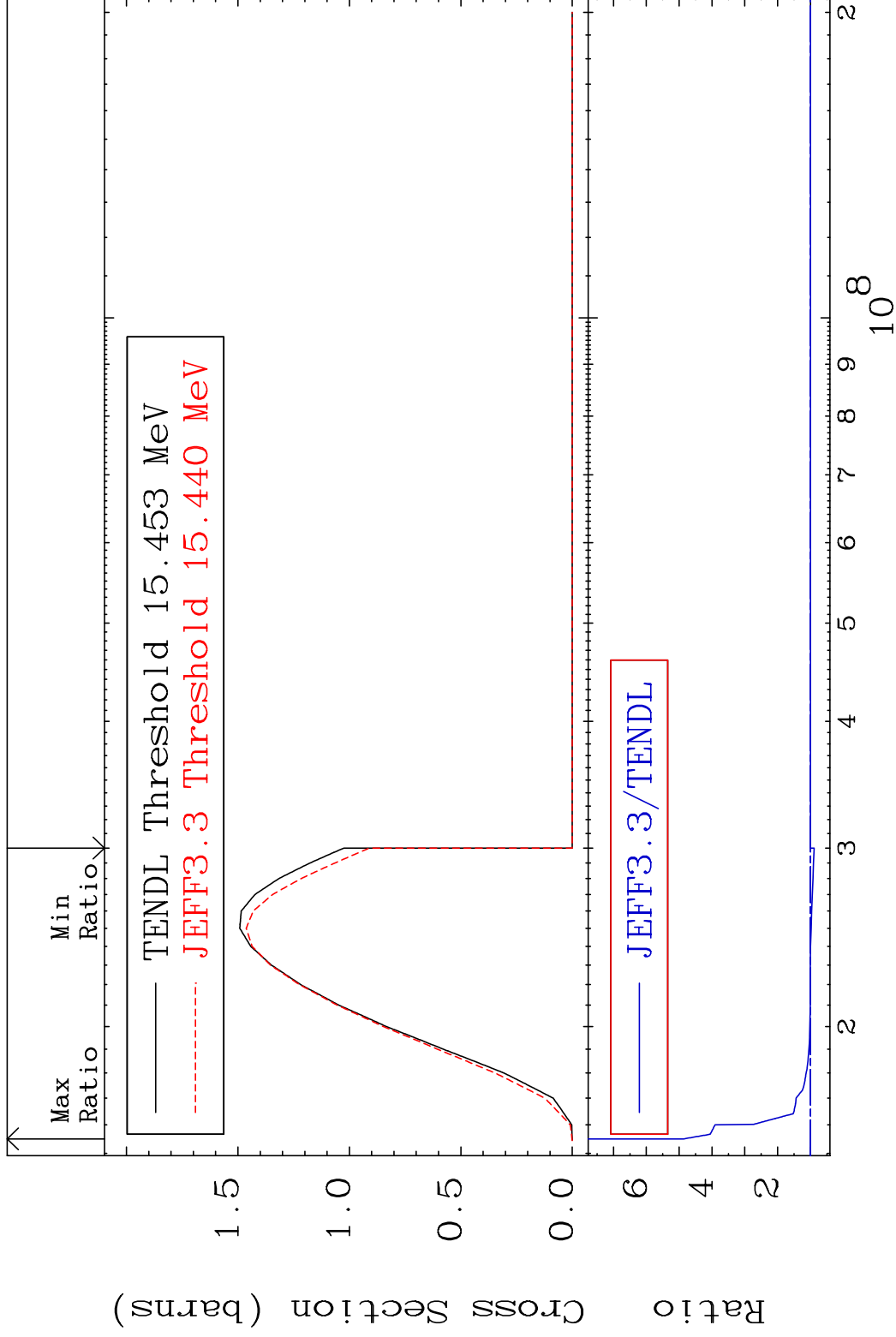
78-Pt-191

MAT 7828

(n,3n)

78-Pt-191

Cross Section -11.14 To 386.2 %



6

Incident Energy (eV)

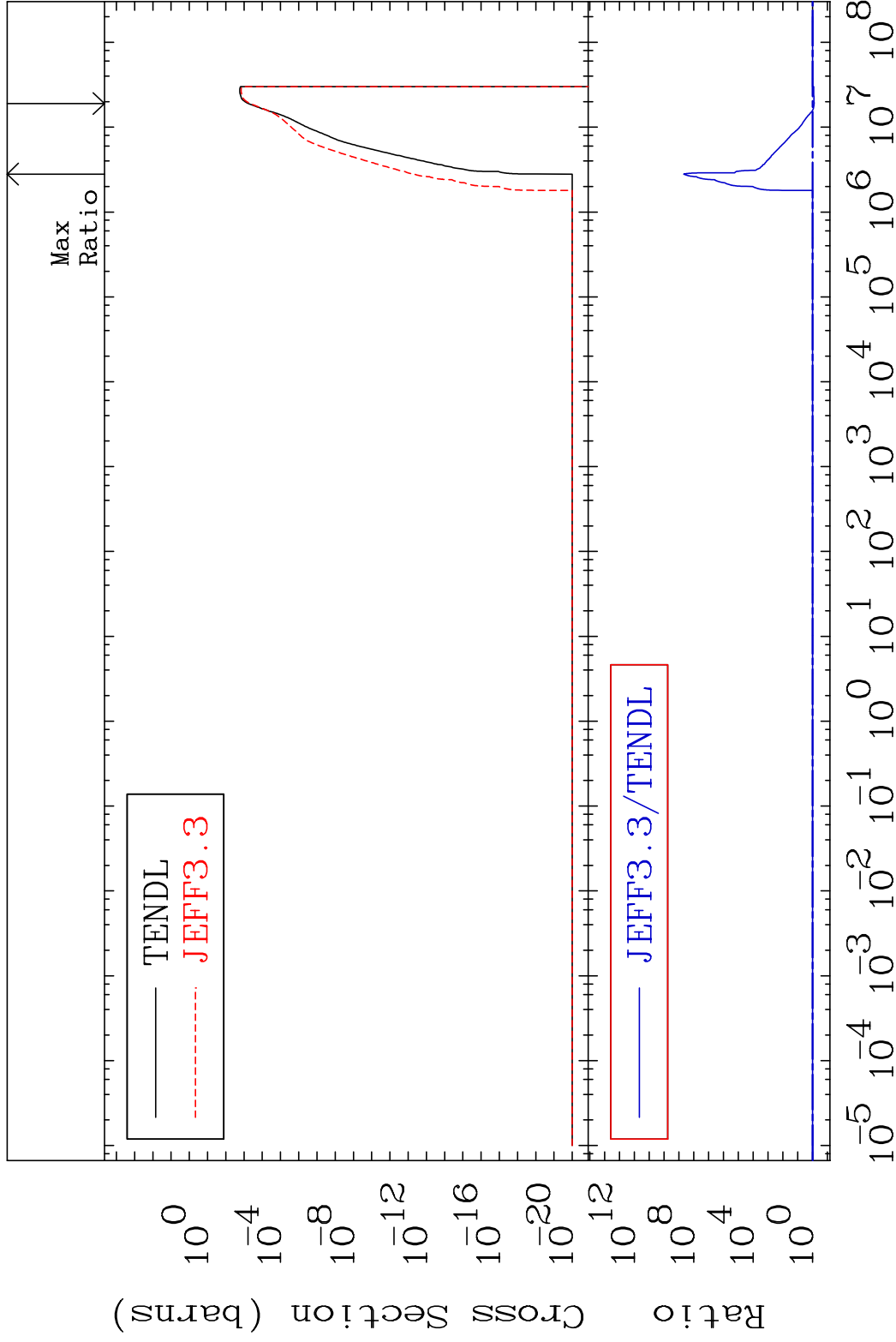
78-Pt-191

MAT 7828

(n, n') α

78-Pt-191

Cross Section -20.69 To 9999. %



7

Incident Energy (eV)

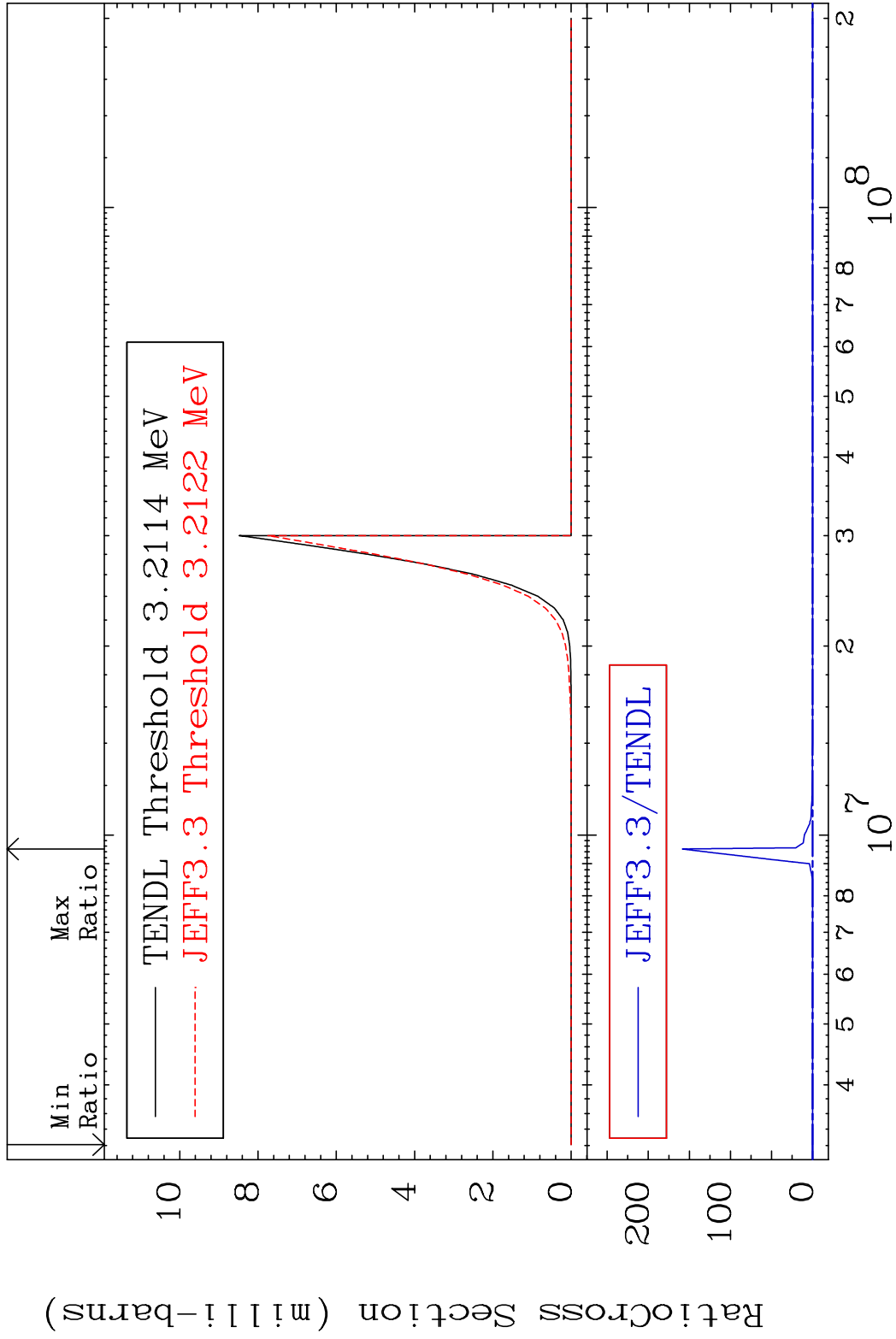
78-Pt-191

MAT 7828

(n,2n) α

78-Pt-191

Cross Section -100.0 To 9999. %

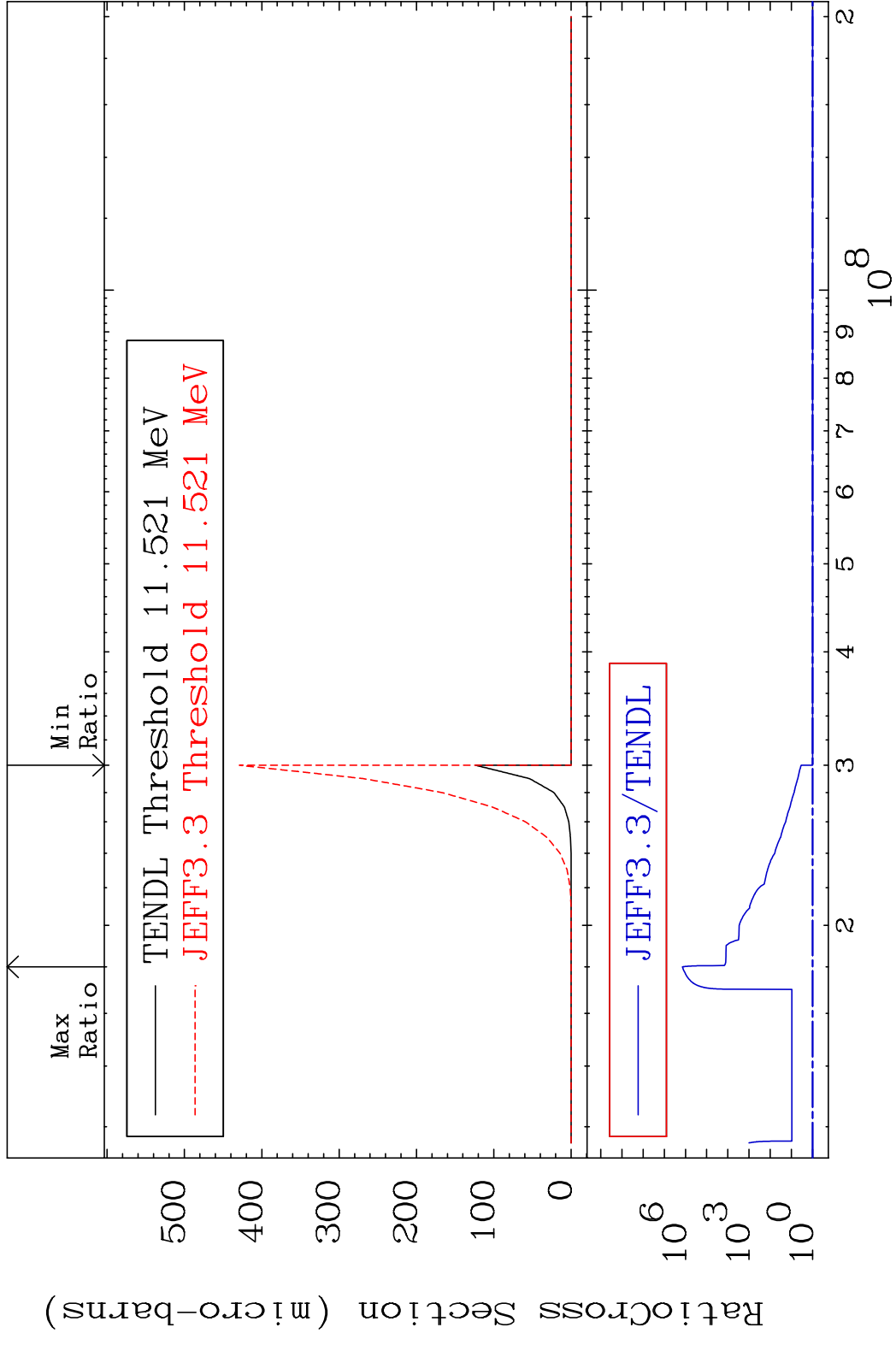


8

Incident Energy (eV)

78-Pt-191

MAT 7828 (n,3n) α 78-Pt-191
 Cross Section 0.000 To 9999. %

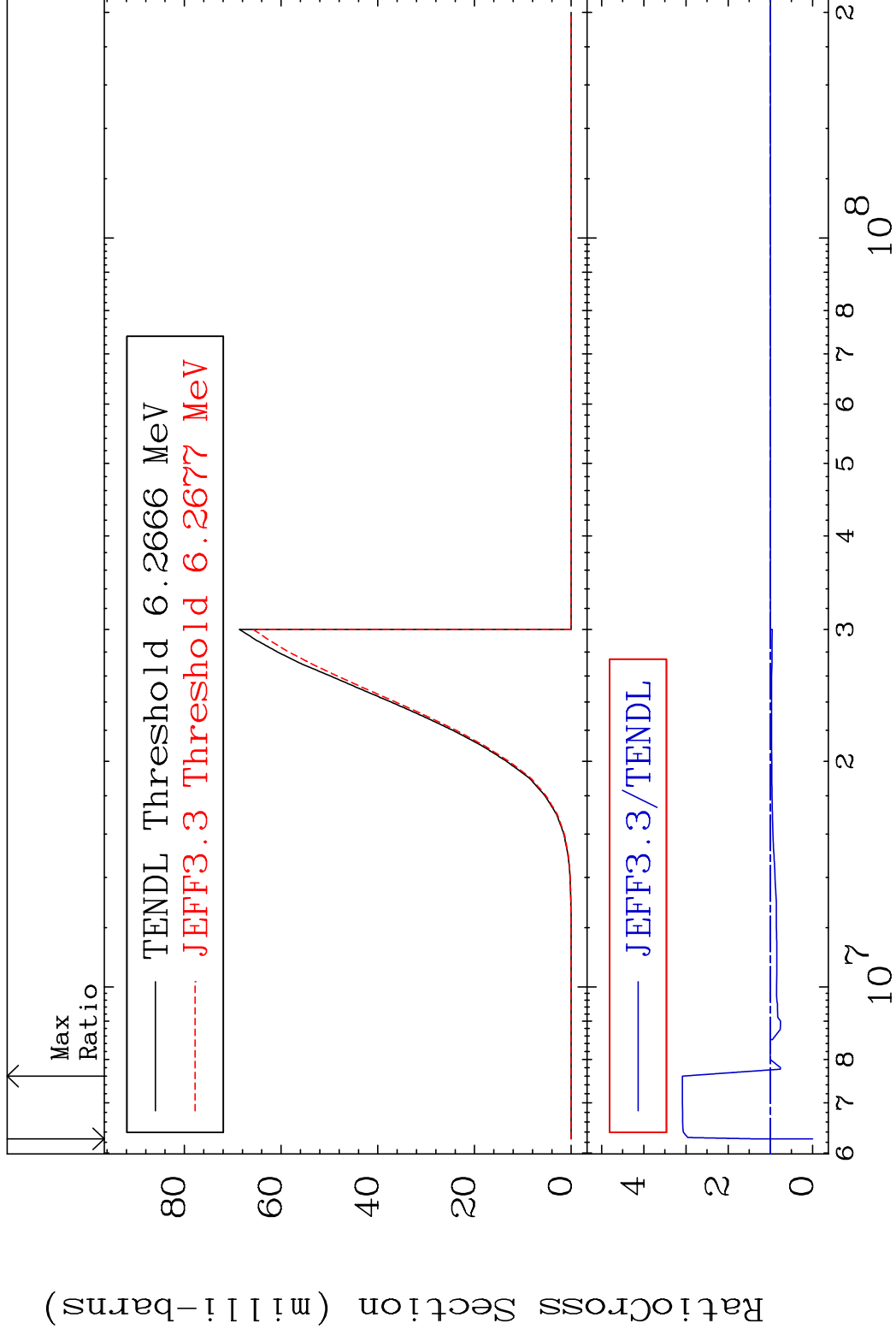


MAT 7828

(n, n') p

78-Pt-191

Cross Section -100.0 To 208.6 %



10

Incident Energy (eV)

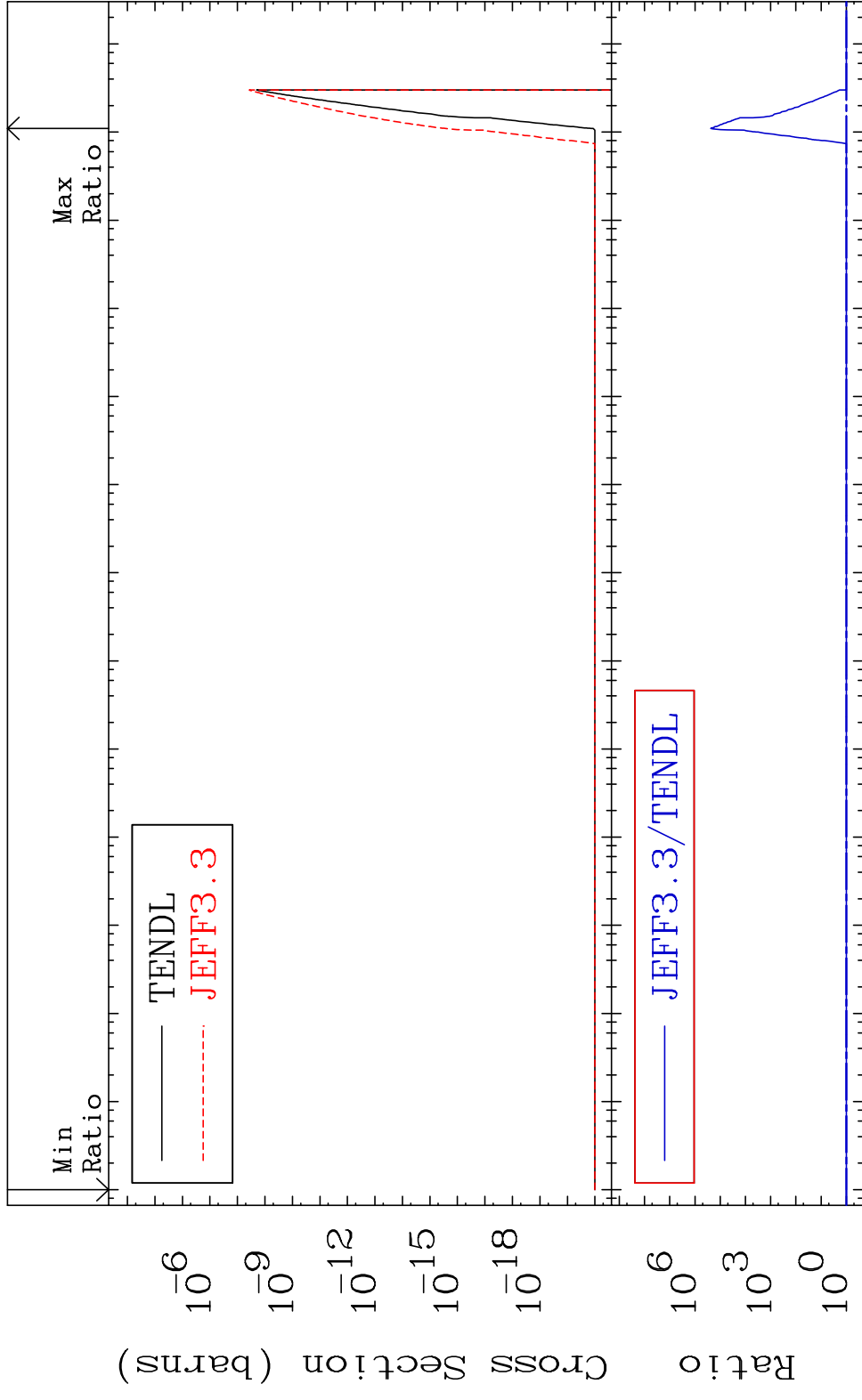
78-Pt-191

MAT 7828

(n, n') 2α

78-Pt-191

Cross Section 0.000 To 9999. %

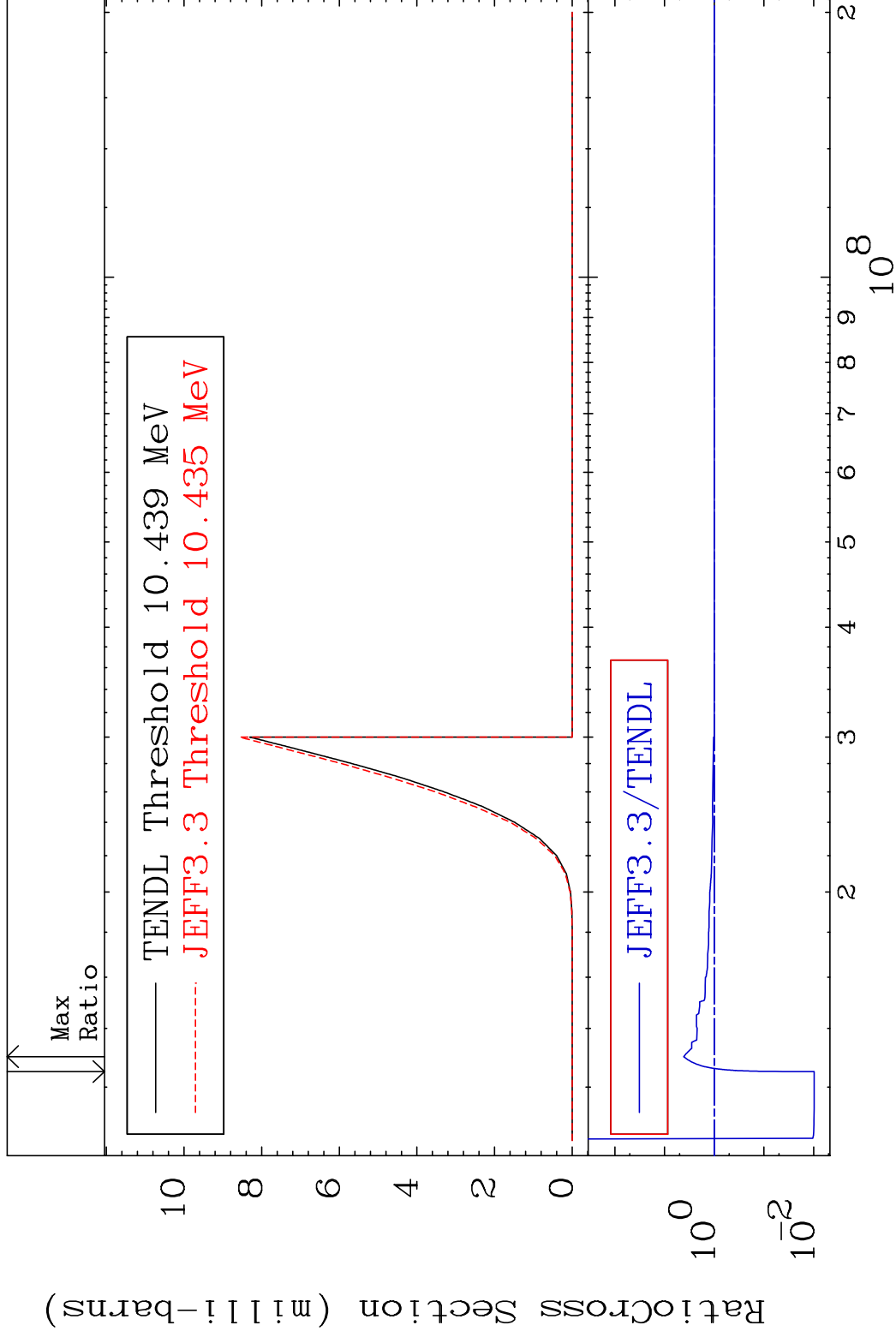


MAT 7828

(n, n') d

78-Pt-191

Cross Section -99.02 To 312.2 %

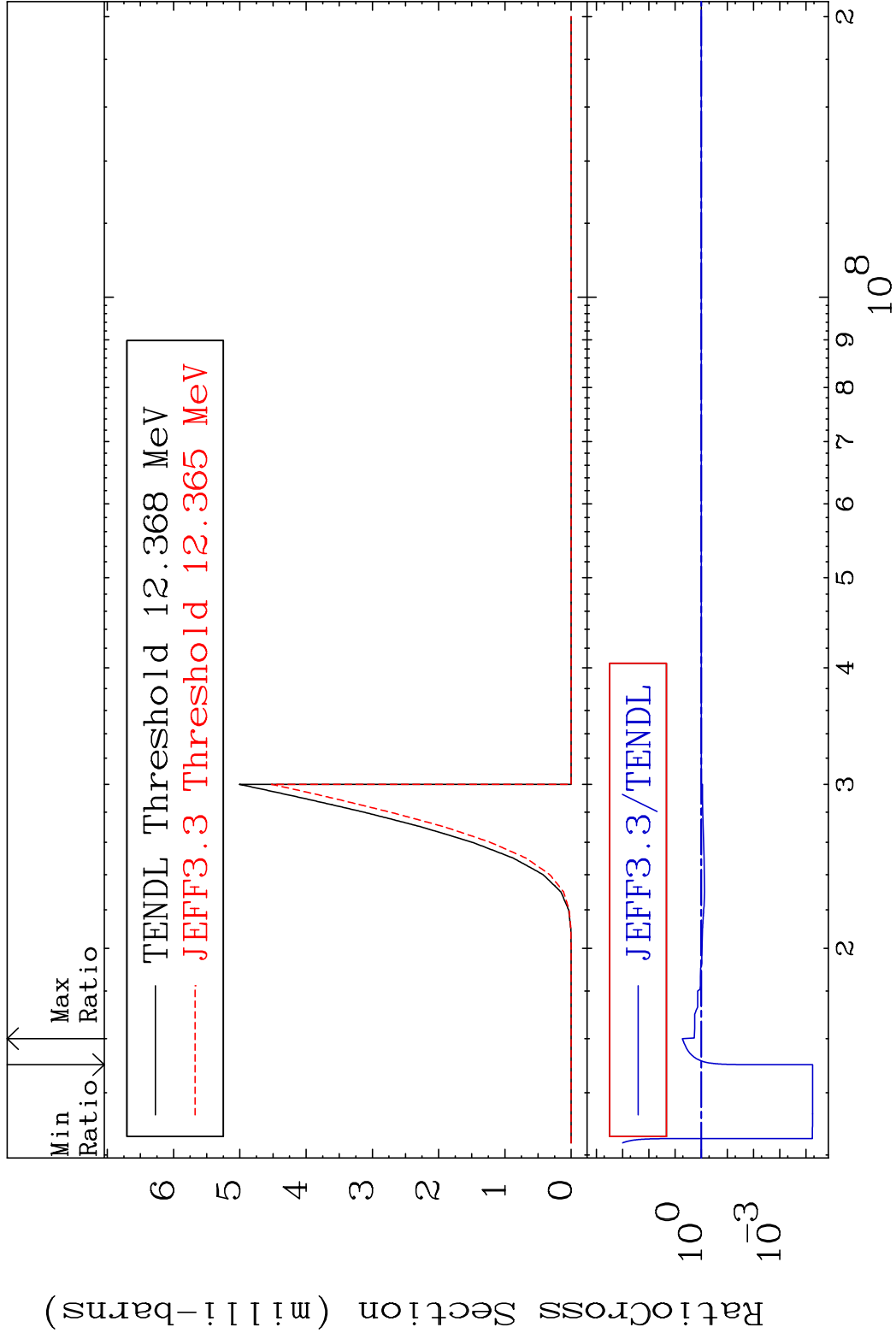


MAT 7828

(n, n') t

78-Pt-191

Cross Section -99.99 To 423.9 %

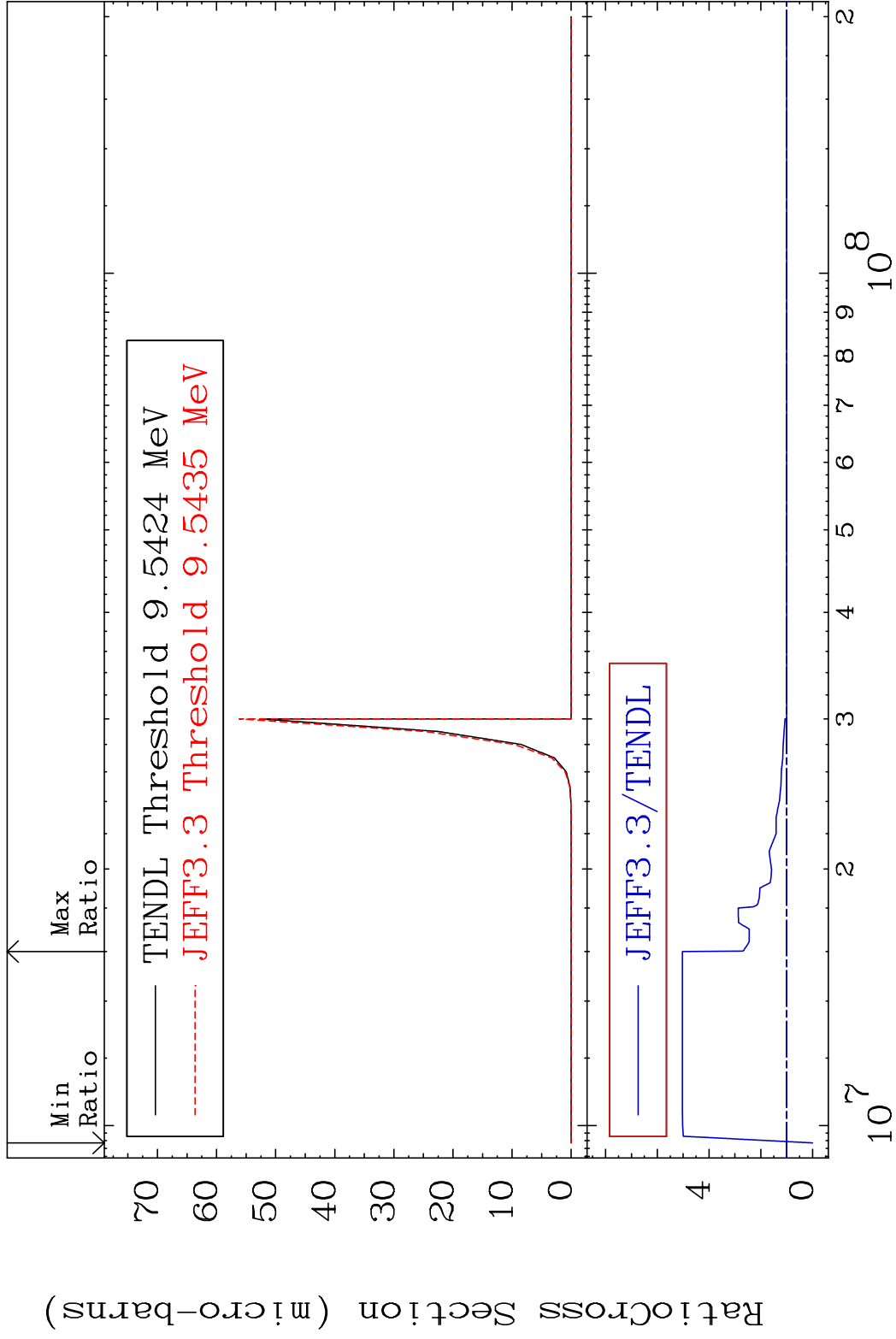


MAT 7828

(n,n') He-3

78-Pt-191

Cross Section -100.0 To 403.2 %



14

Incident Energy (eV)

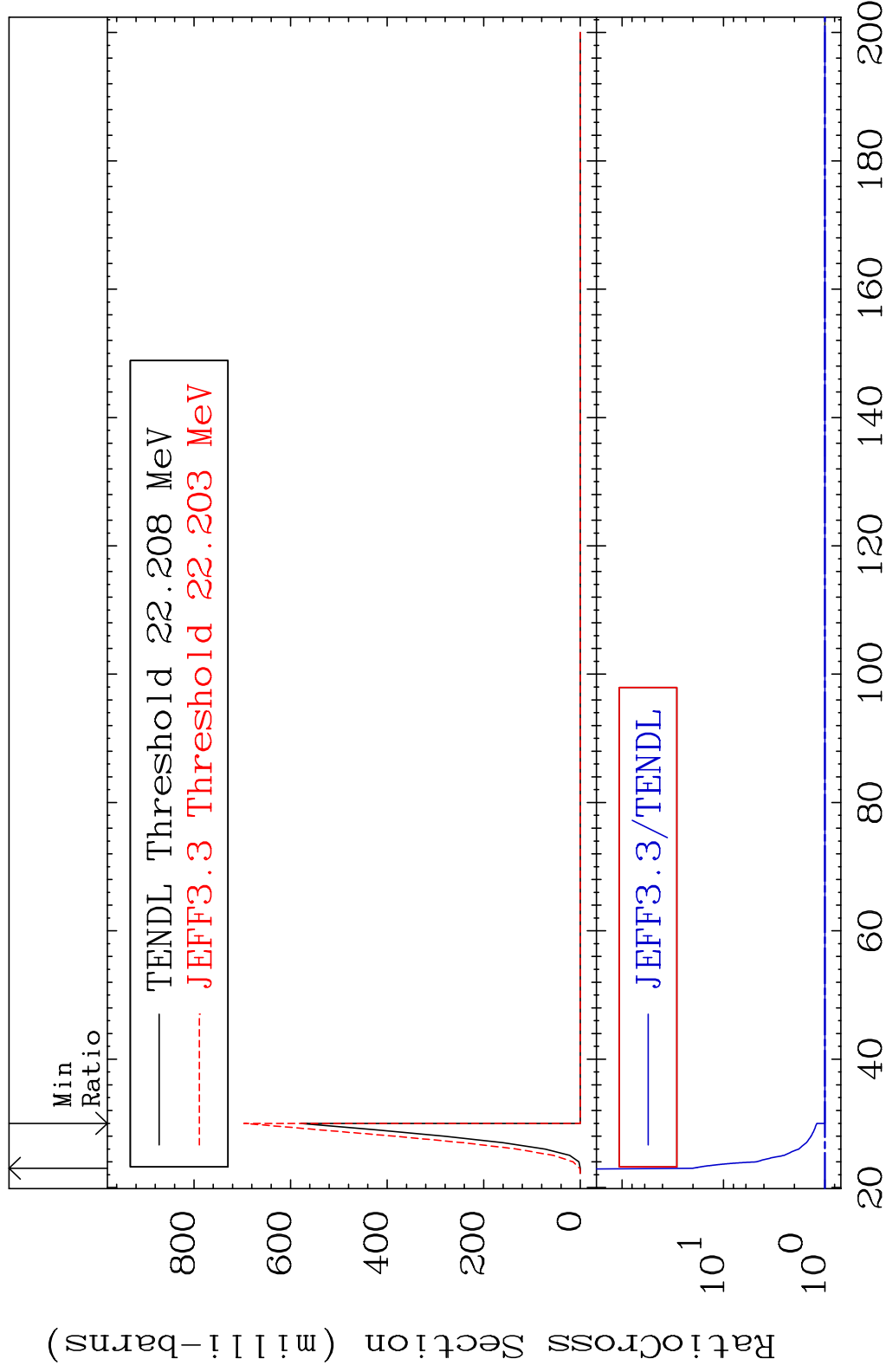
78-Pt-191

MAT 7828

(n,4n)

78-Pt-191

Cross Section 0.000 To 1902. %

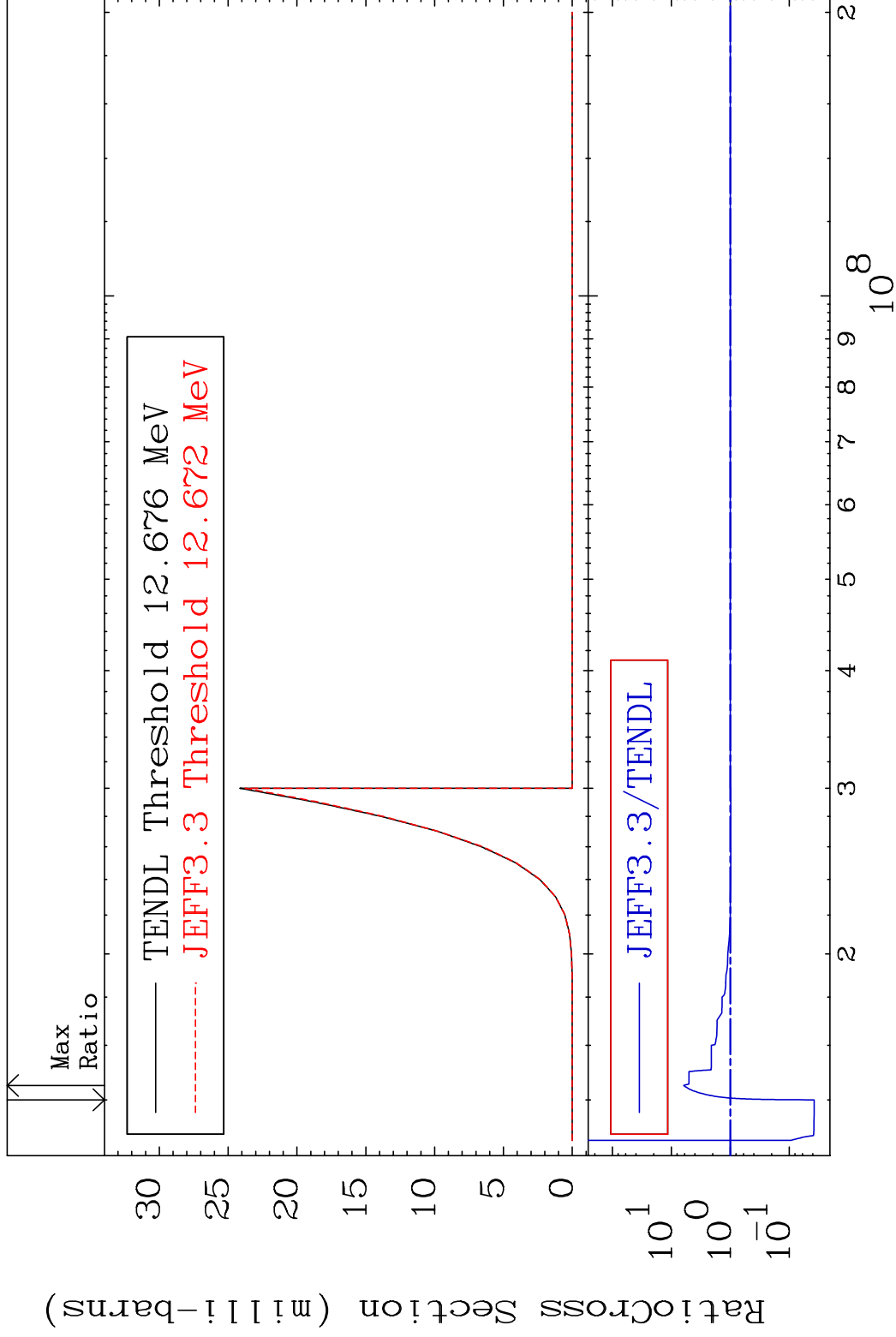


MAT 7828

(n,2n) p

78-Pt-191

Cross Section -96.20 To 520.7 %

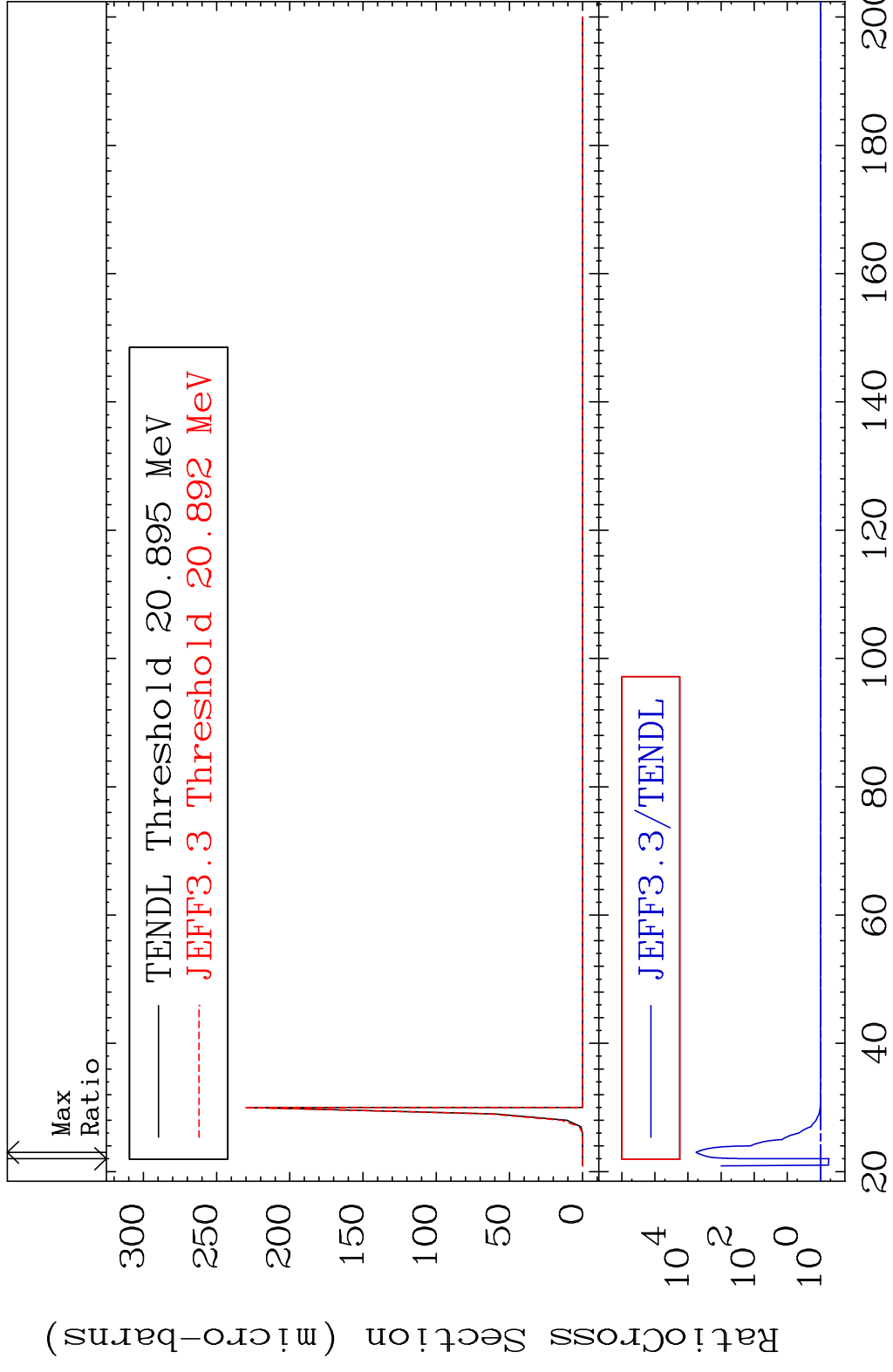


MAT 7828

(n,3n) p

78-Pt-191

Cross Section -44.22 To 9999. %

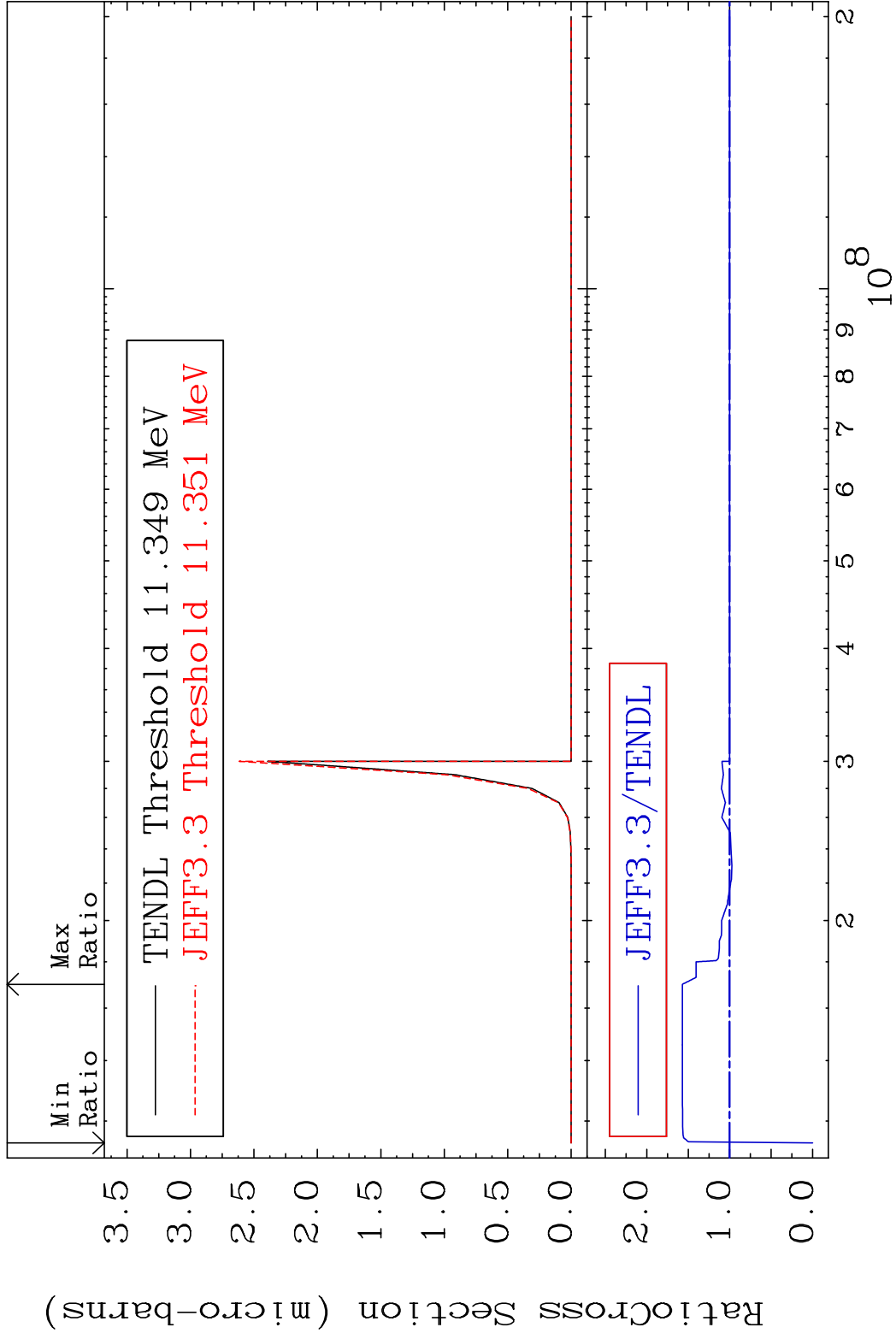


MAT 7828

(n,2n) p

78-Pt-191

Cross Section -100.0 To 57.11 %

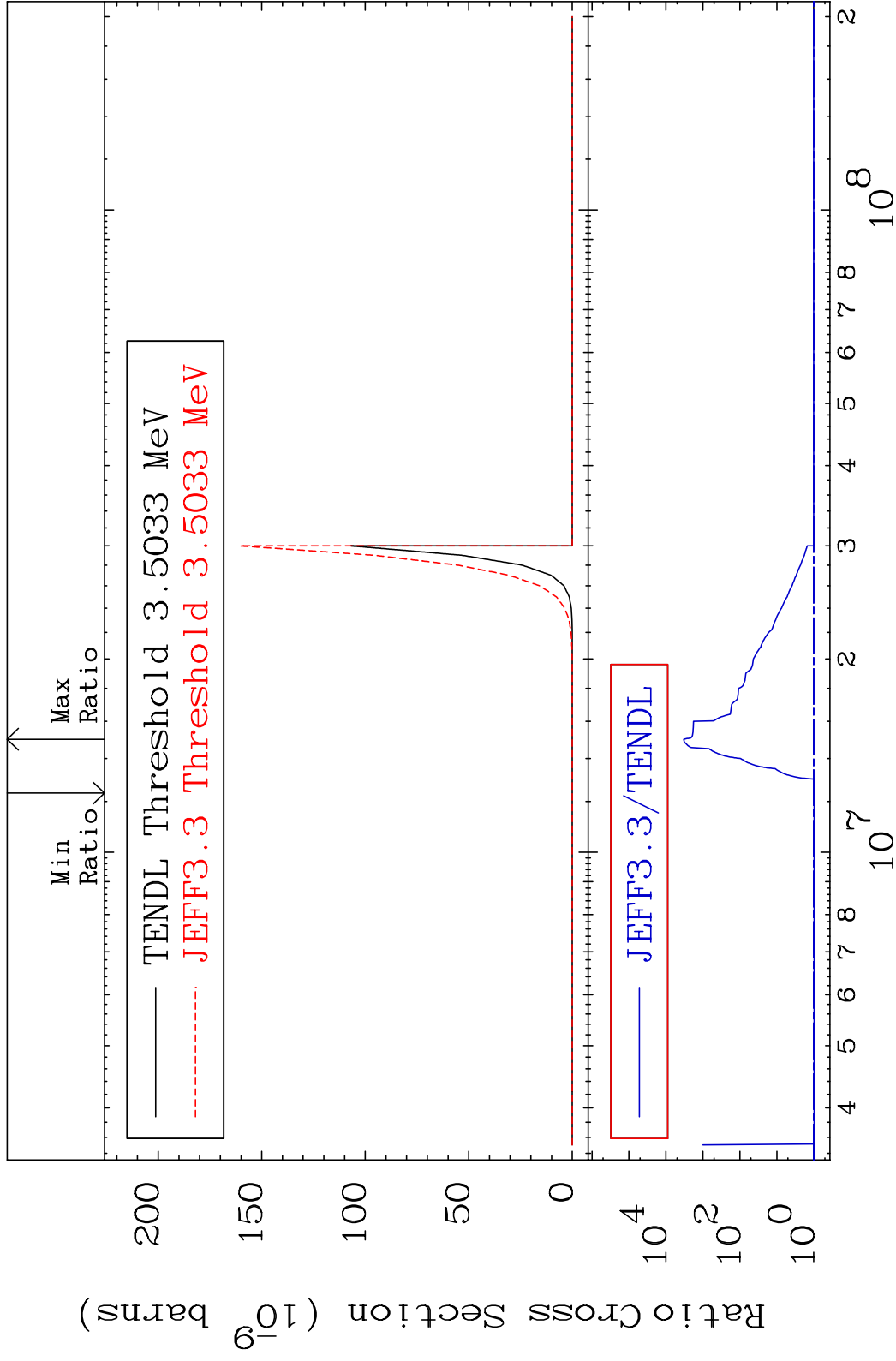


MAT 7828

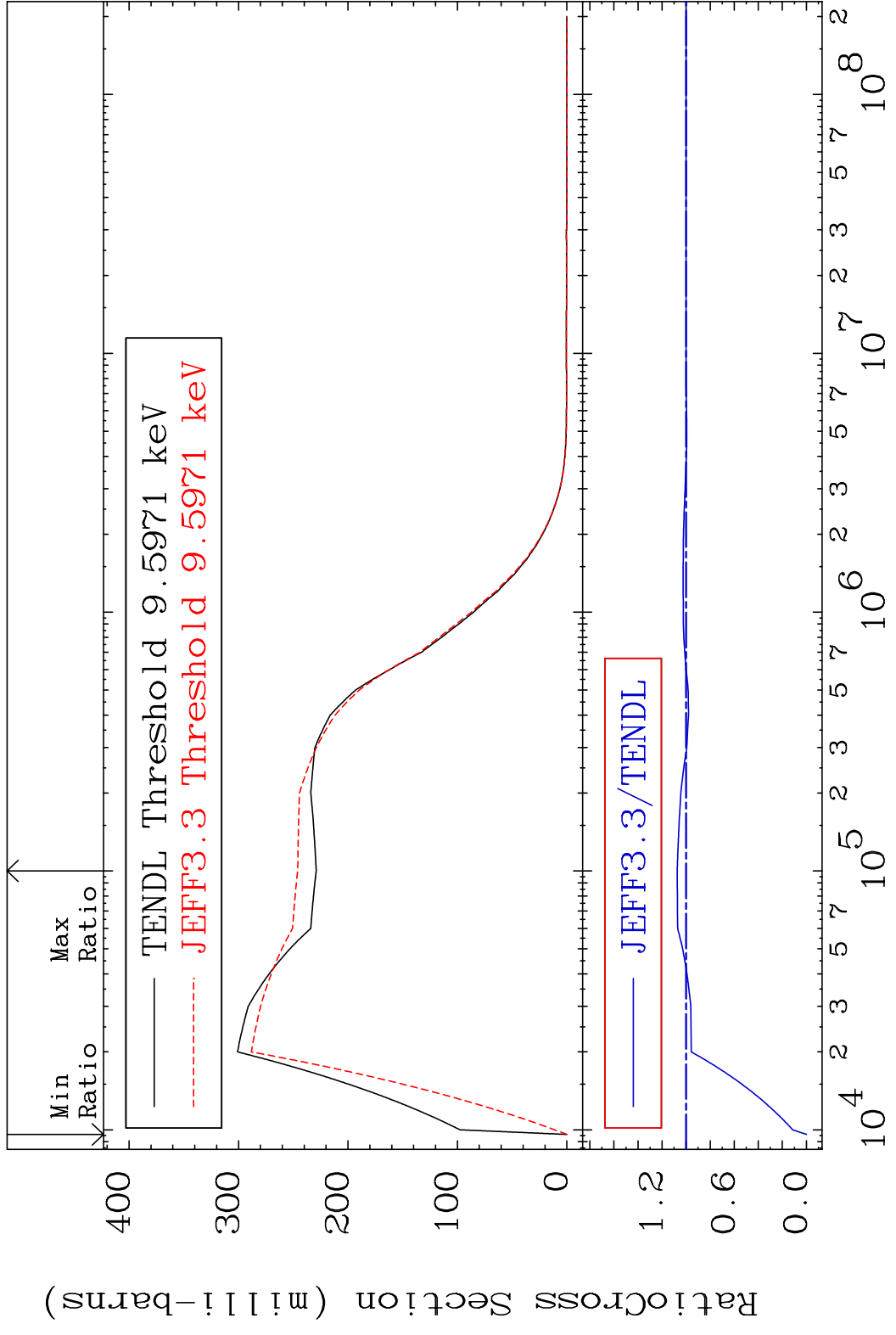
(n, n') p α

78-Pt-191

Cross Section -2.065 To 9999. %

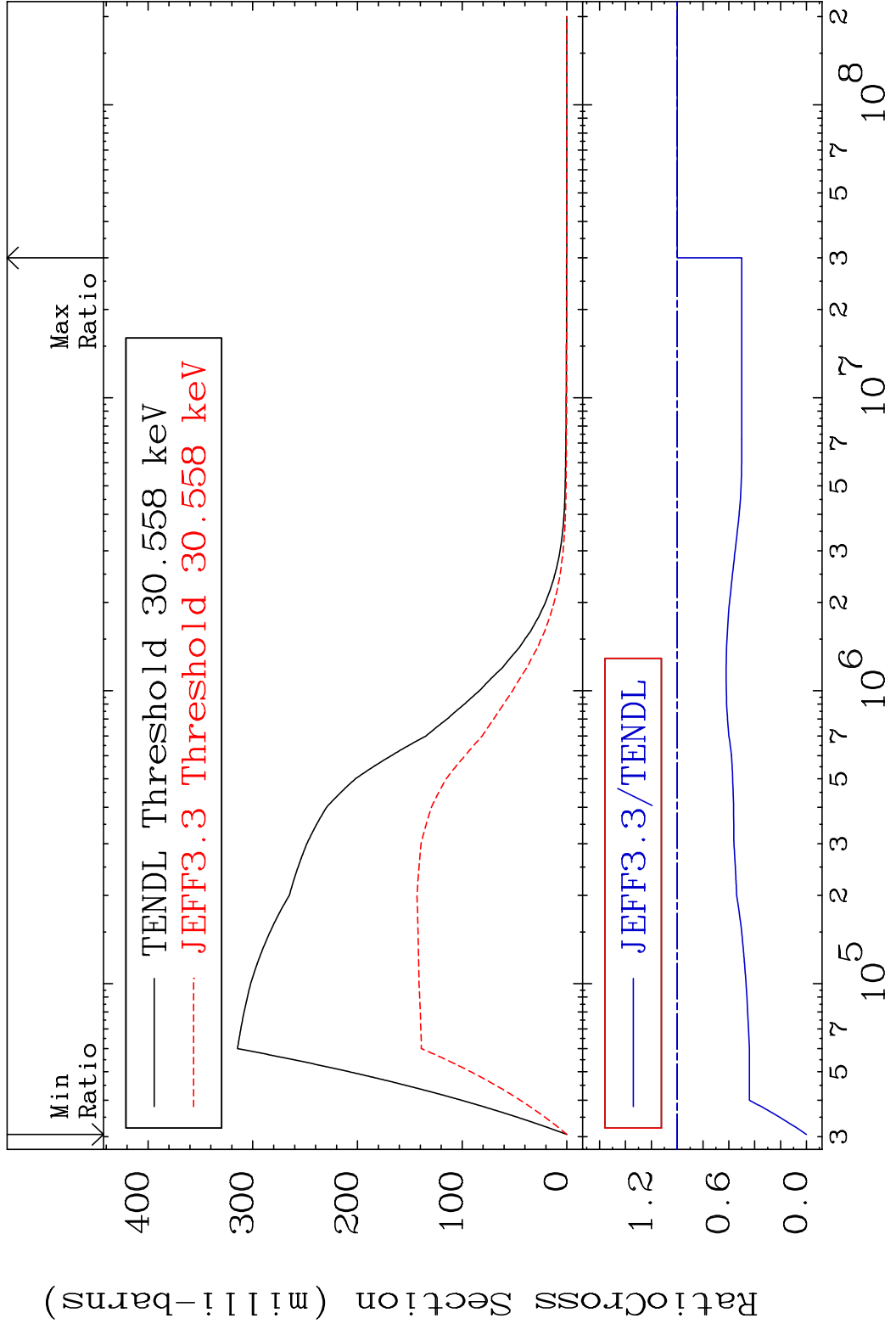


MAT 7828 MT= 51 (n,n') Level 78-Pt-191
 Cross Section -100.0 To 7.419 %

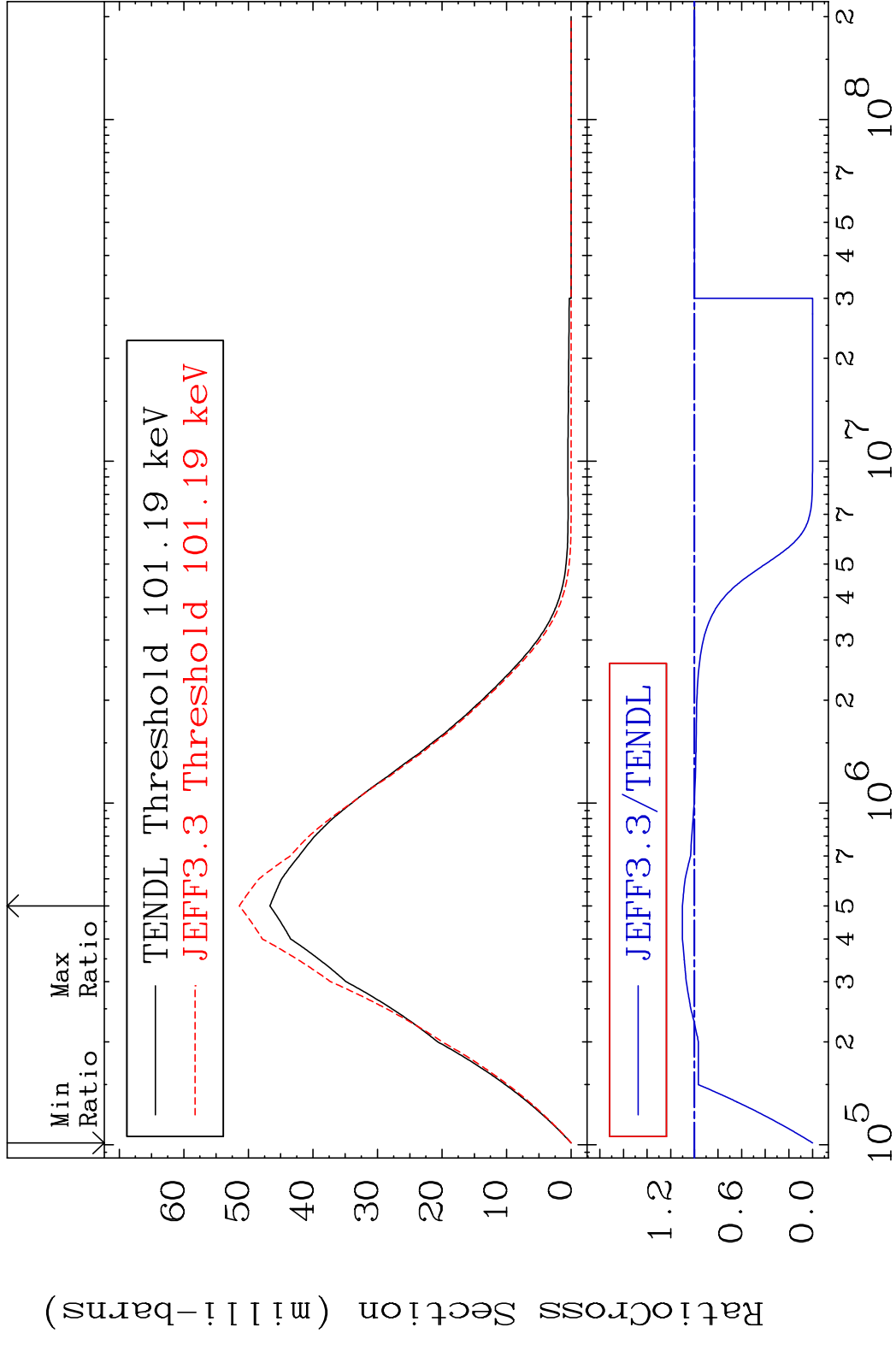


20 10⁴ 10⁵ 10⁶ 10⁷ 10⁸ 20 78-Pt-191

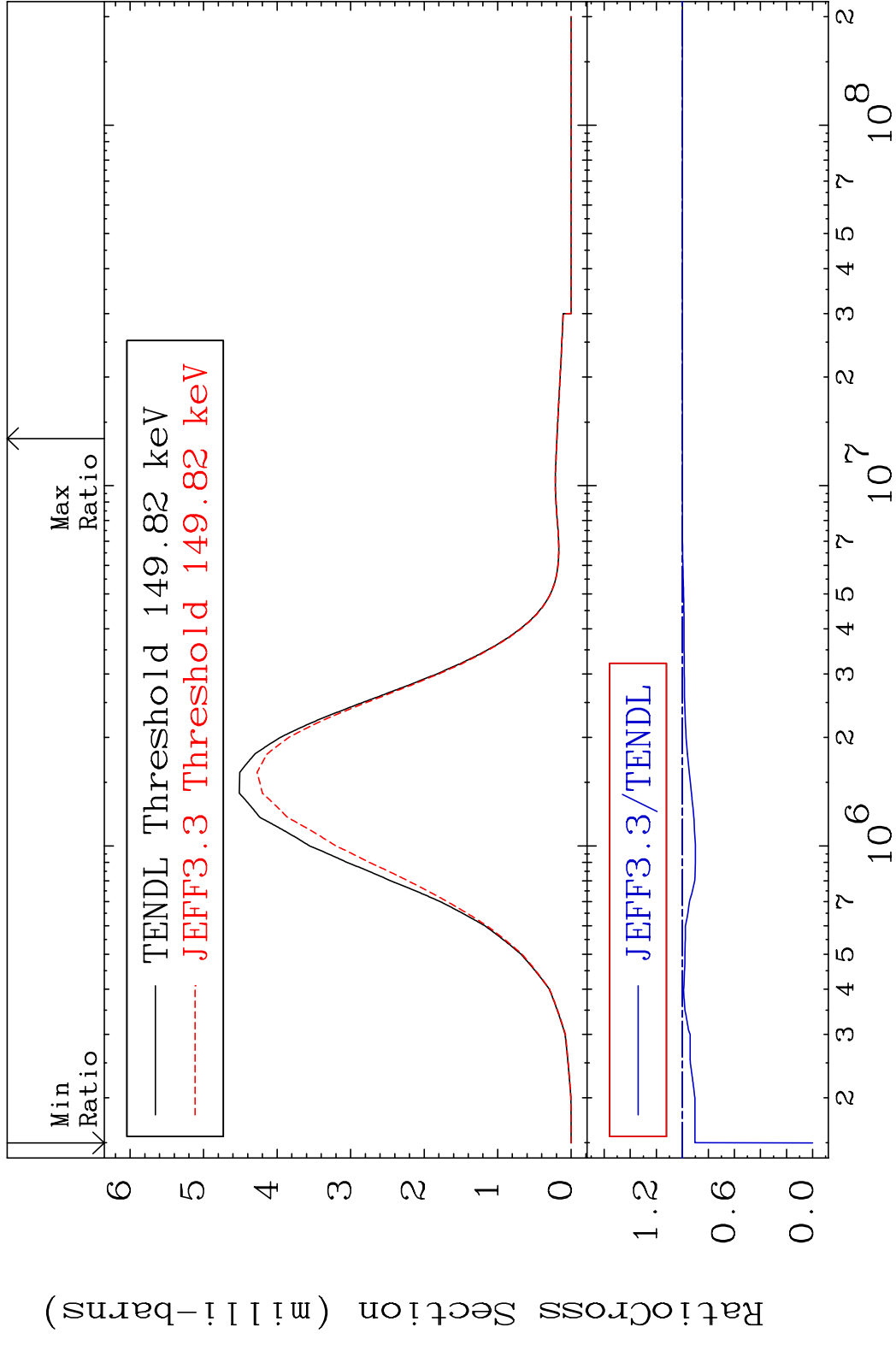
MAT 7828 MT= 52 (n, n') Level 78-Pt-191
 Cross Section -100.0 To 0.000 %



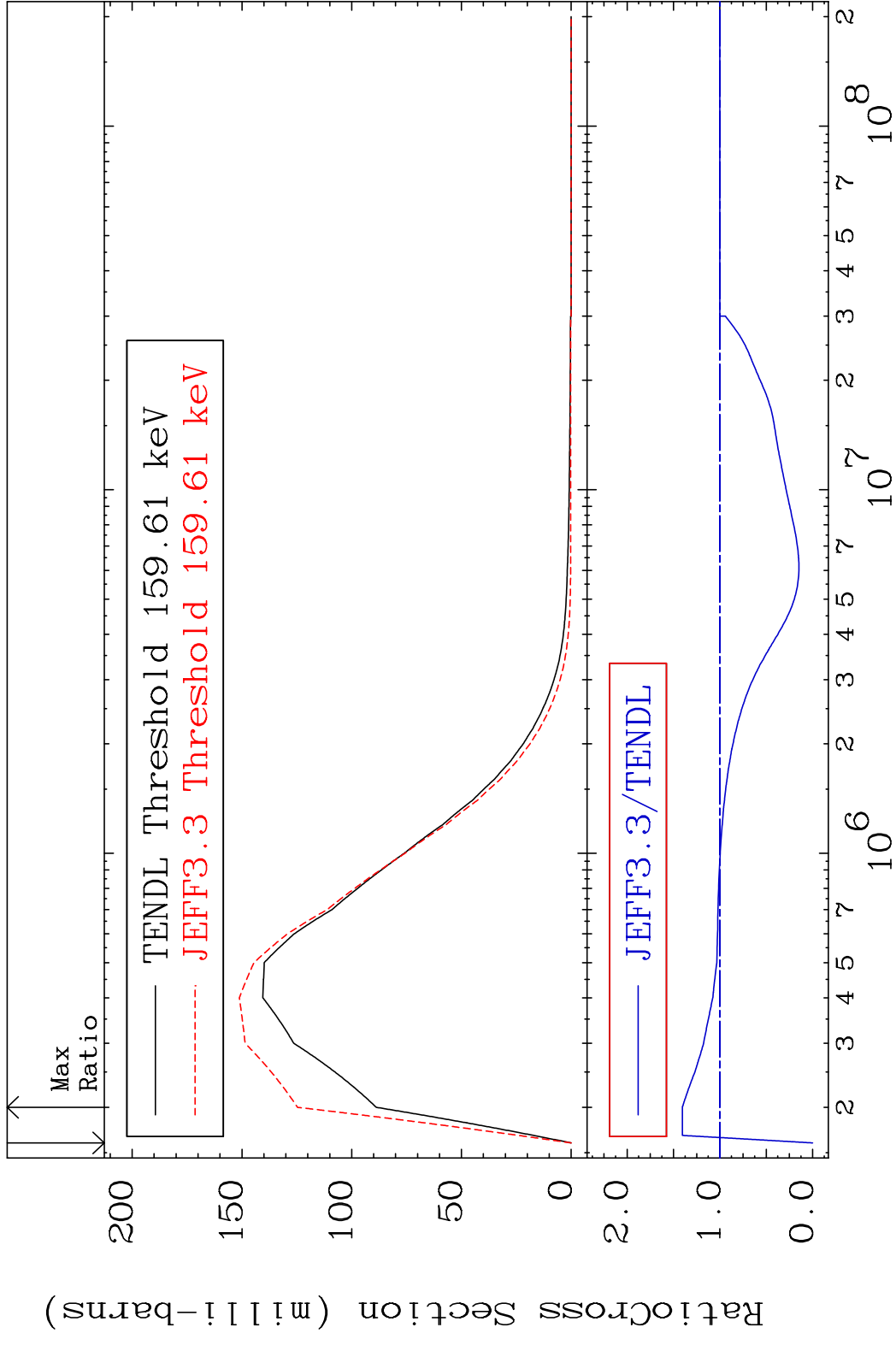
MAT 7828 MT= 53 (n,n') Level 78-Pt-191
 Cross Section -100.0 To 10.16 %



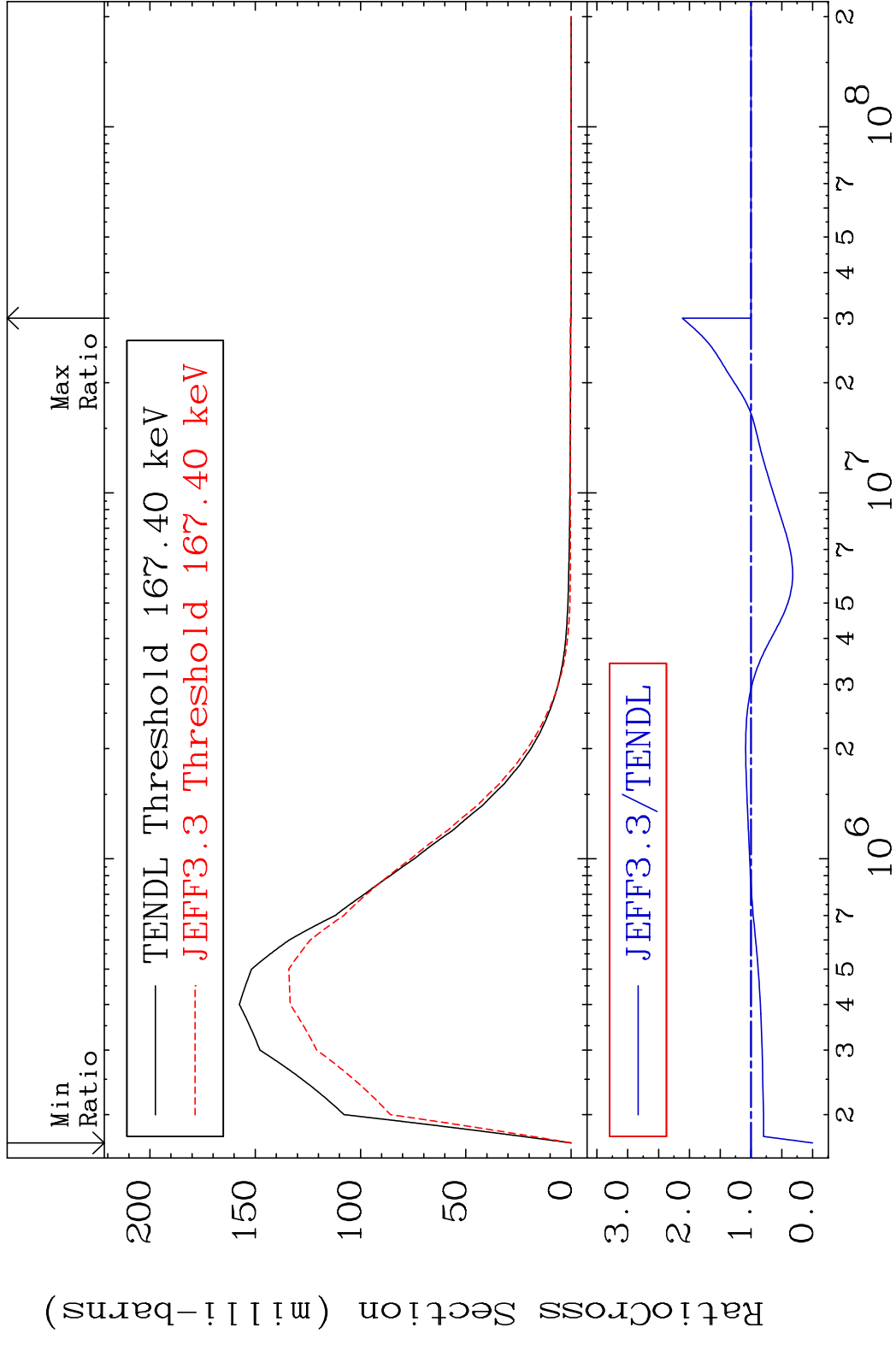
MAT 7828 MT= 54 (n,n') Level 78-Pt-191
 Cross Section -100.0 To 0.000 %



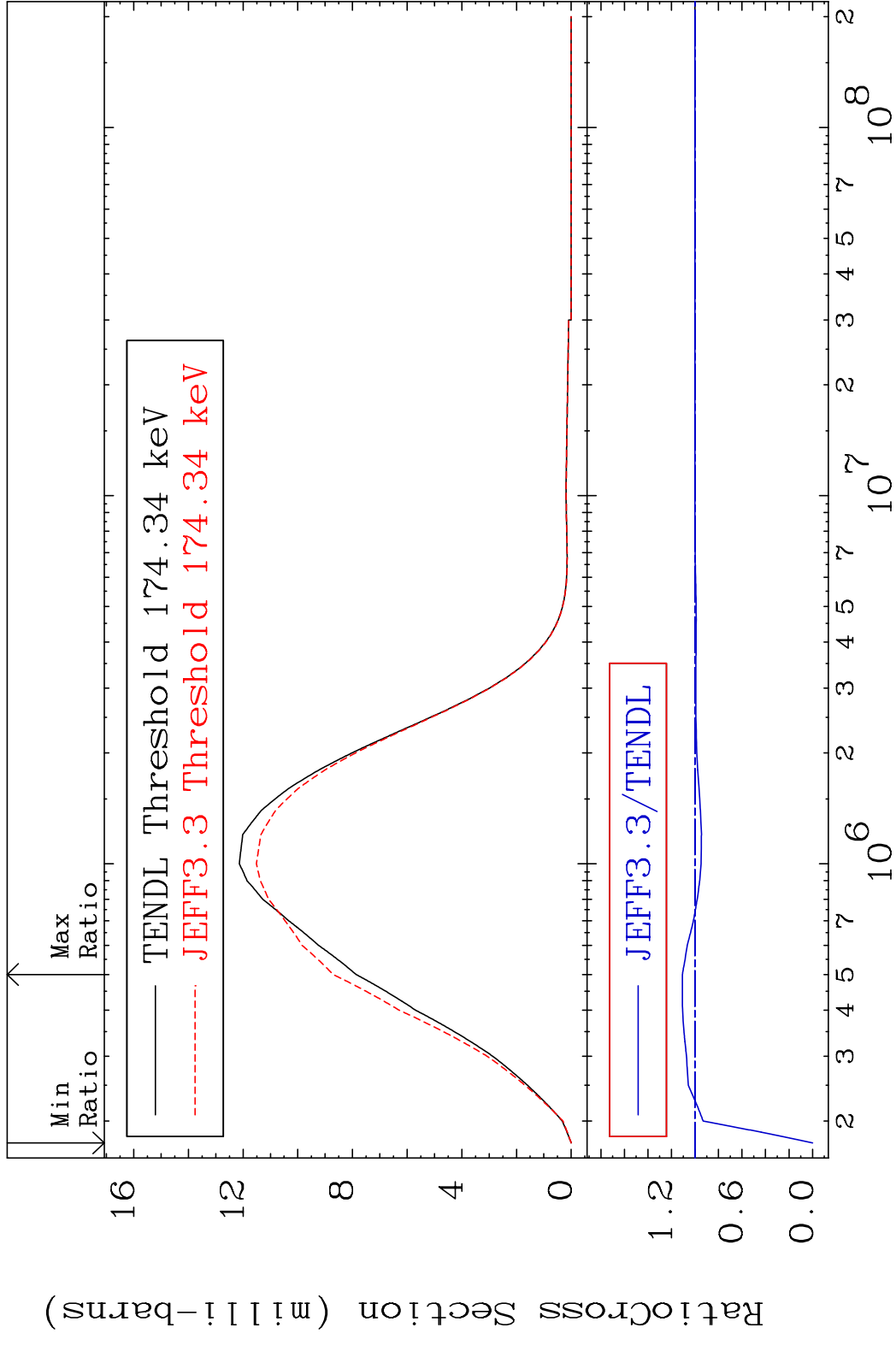
MAT 7828 MT= 55 (n,n') Level 78-Pt-191
 Cross Section -100.0 To 40.43 %



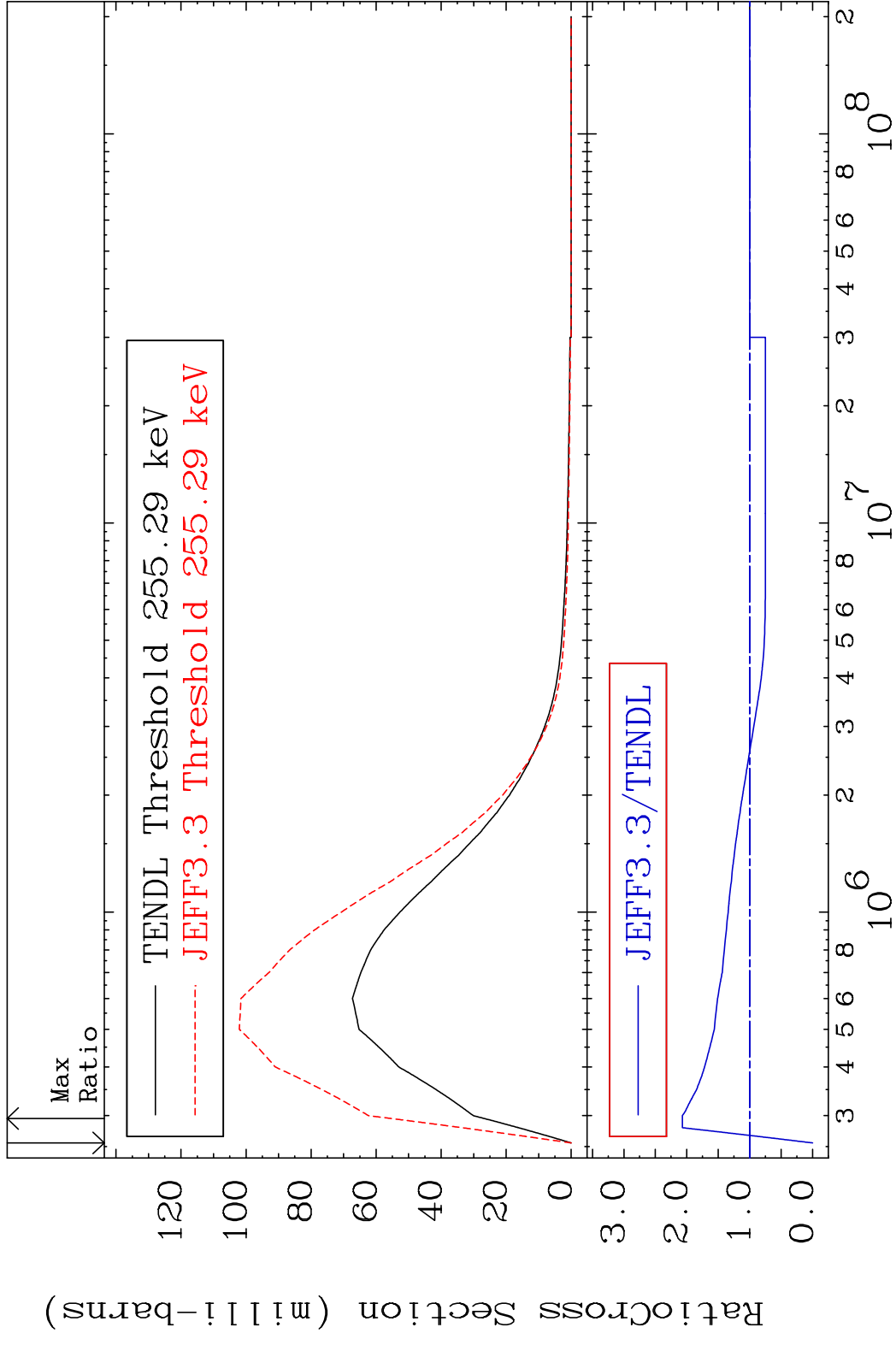
MAT 7828 MT= 56 (n,n') Level 78-Pt-191
 Cross Section -100.0 To 111.4 %



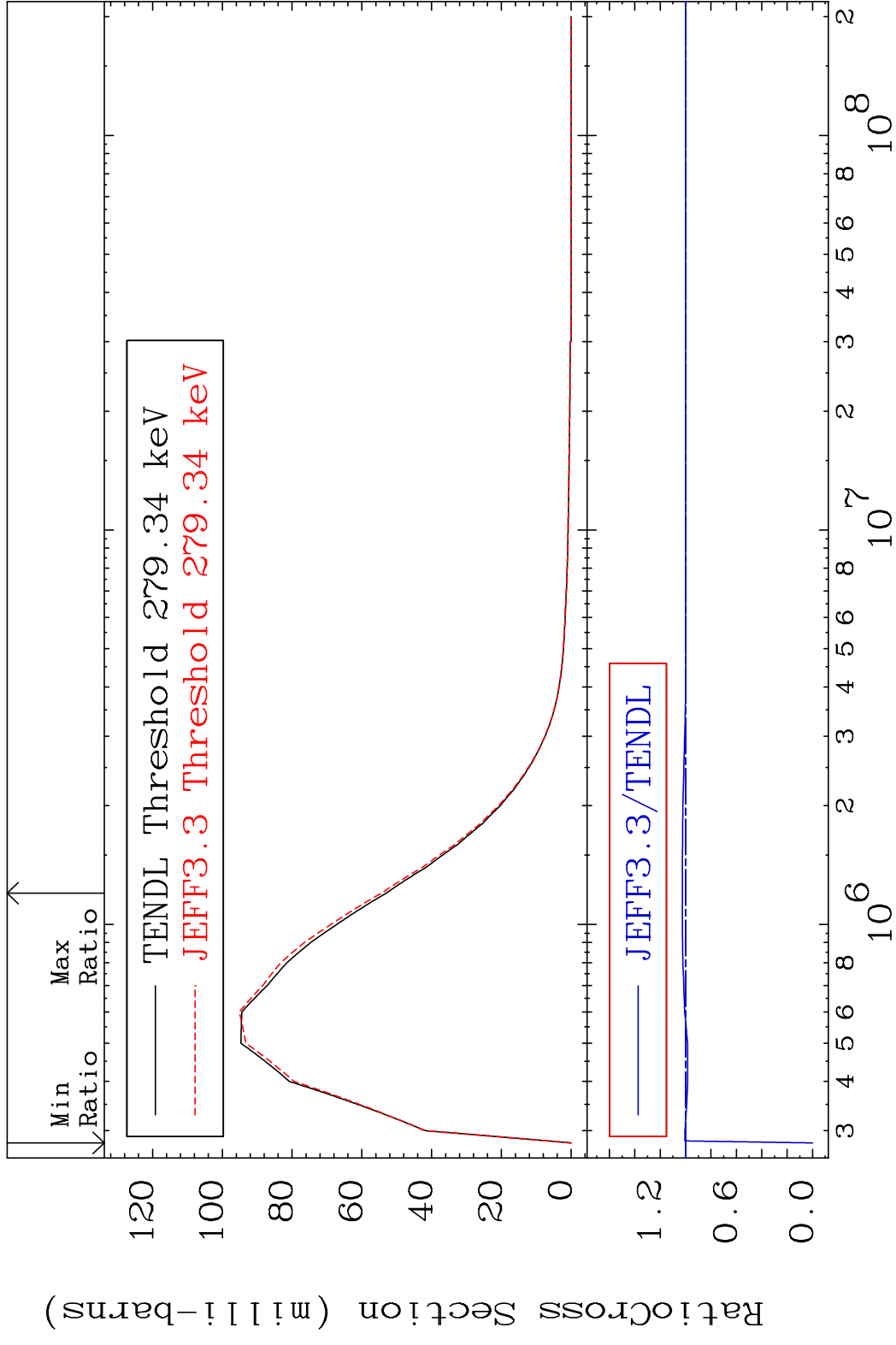
MAT 7828 MT= 57 (n,n') Level 78-Pt-191
 Cross Section -100.0 To 10.71 %



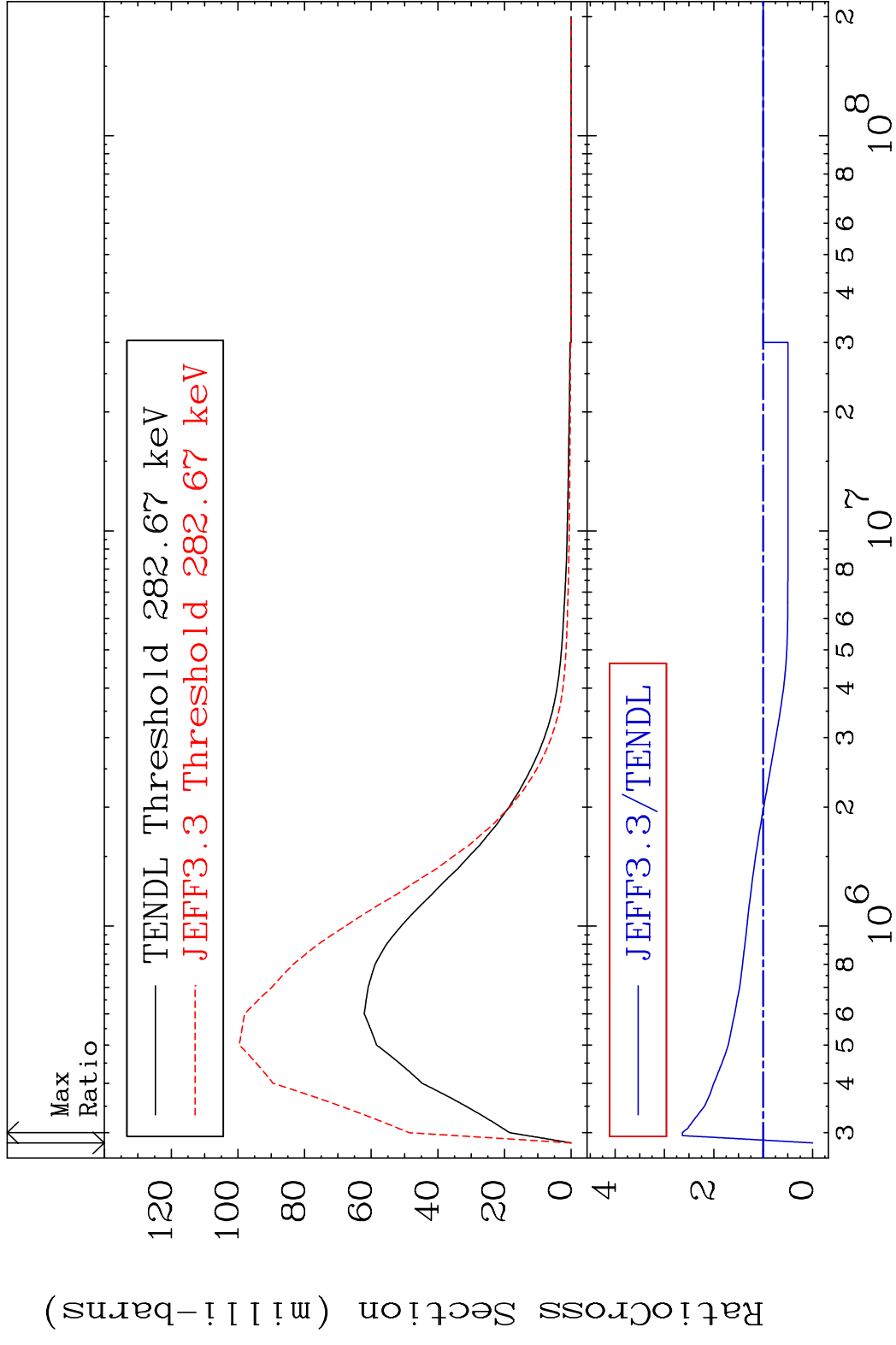
MAT 7828 MT= 58 (n,n') Level 78-Pt-191
 Cross Section -100.0 To 107.0 %



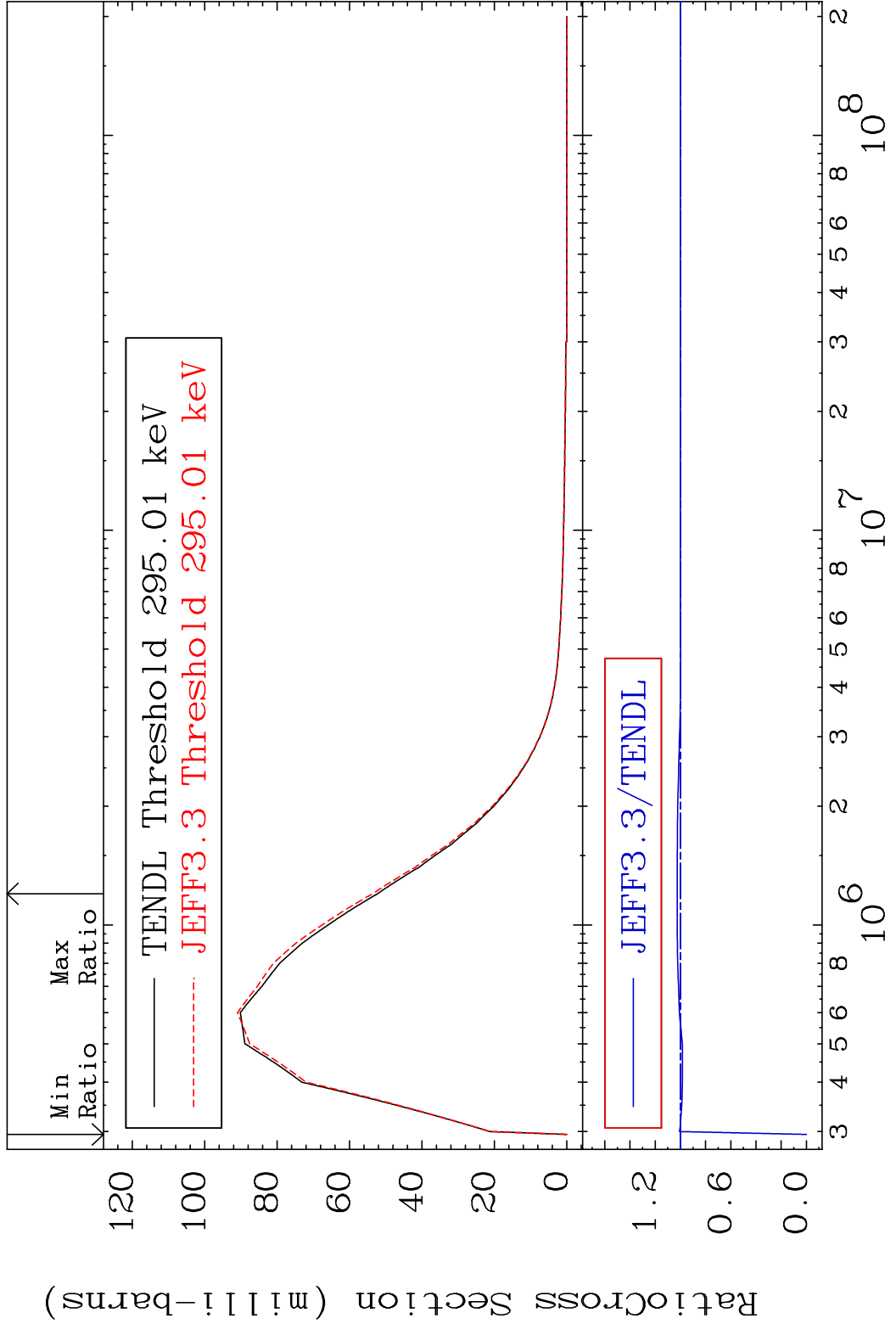
MAT 7828 MT= 59 (n, n') Level 78-Pt-191
 Cross Section -100.0 To 2.557 %



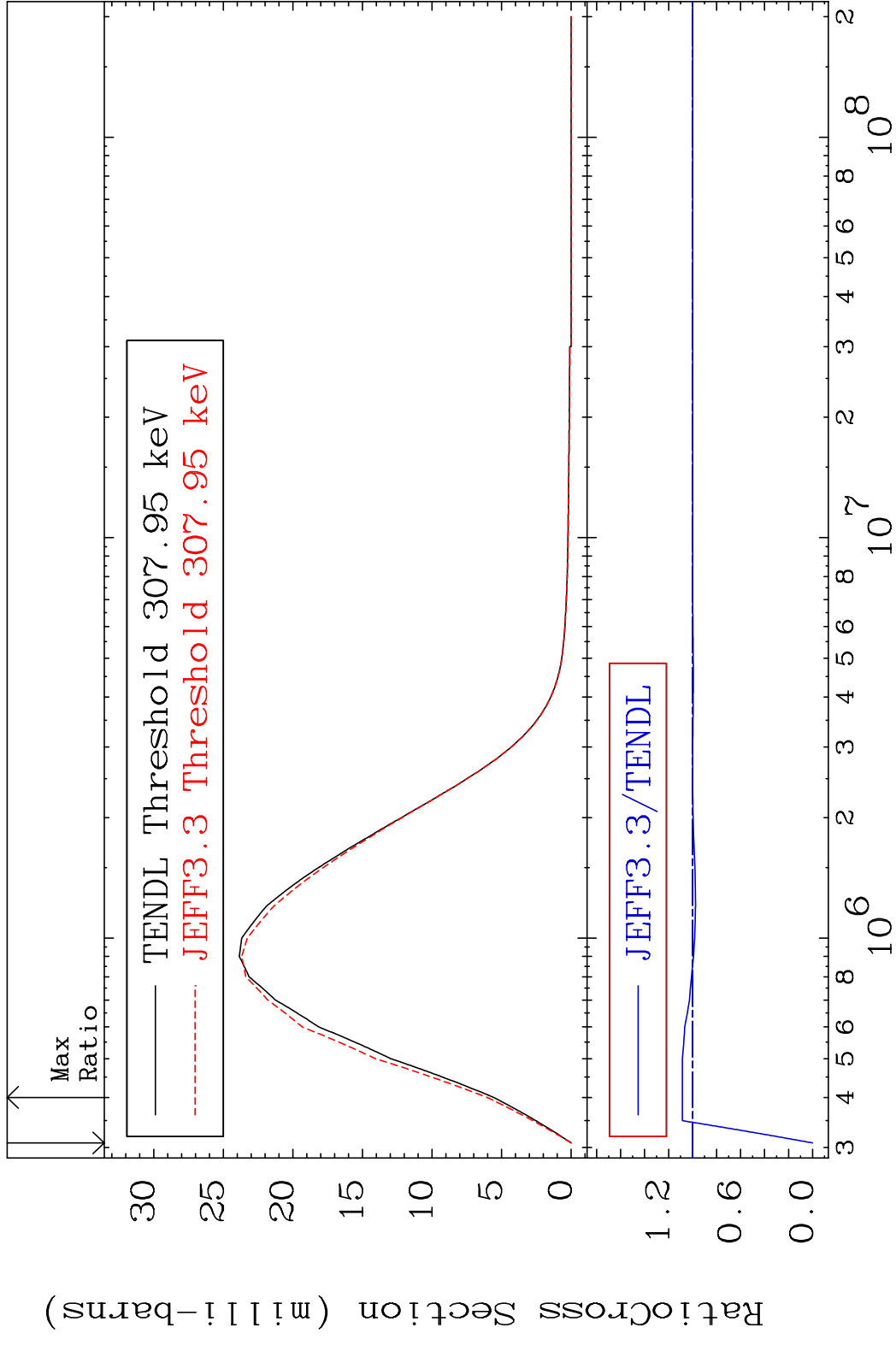
MAT 7828 MT= 60 (n, n') Level 78-Pt-191
 Cross Section -100.0 To 163.6 %



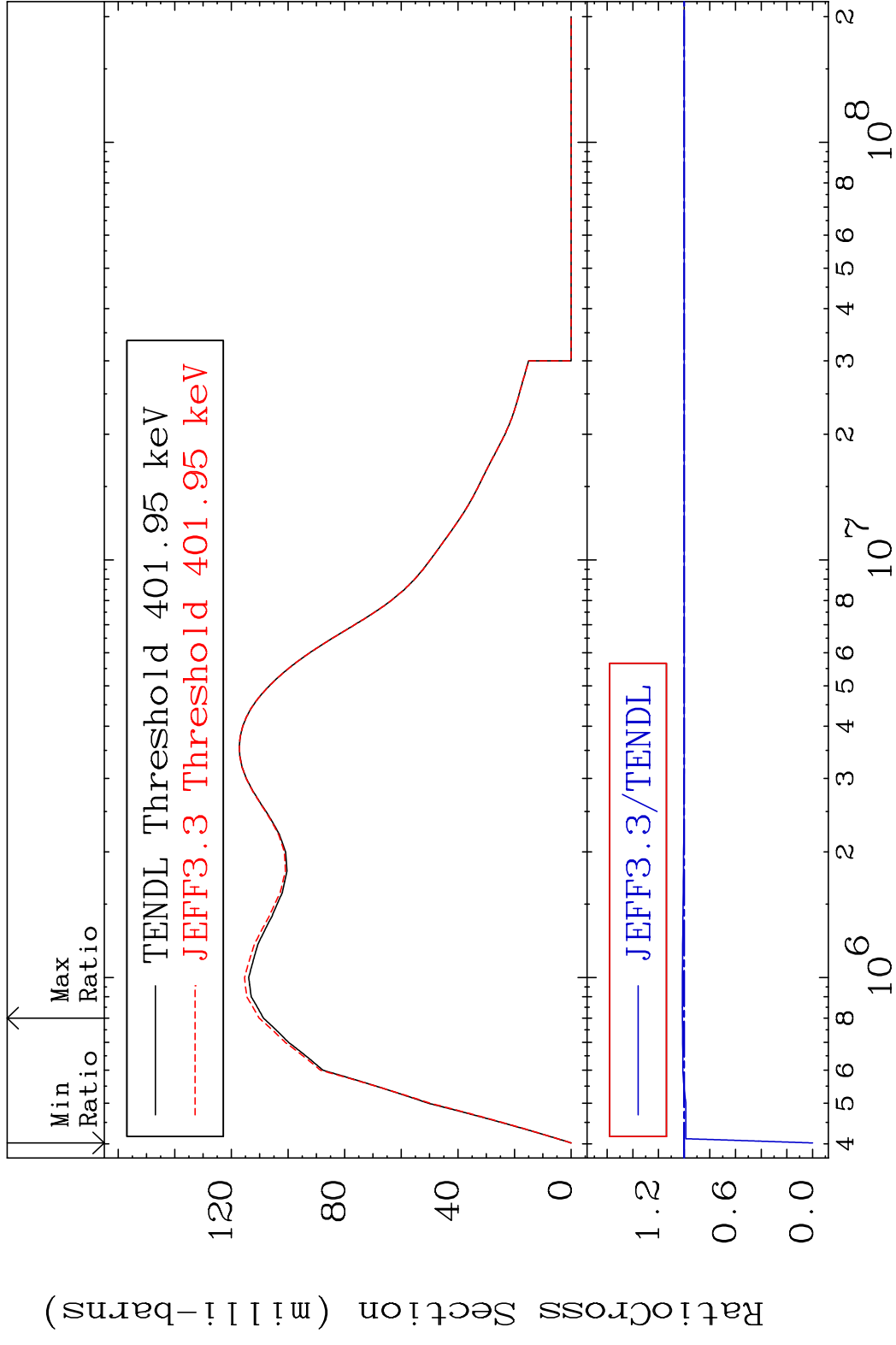
MAT 7828 MT= 61 (n, n') Level 78-Pt-191
 Cross Section -100.0 To 2.566 %



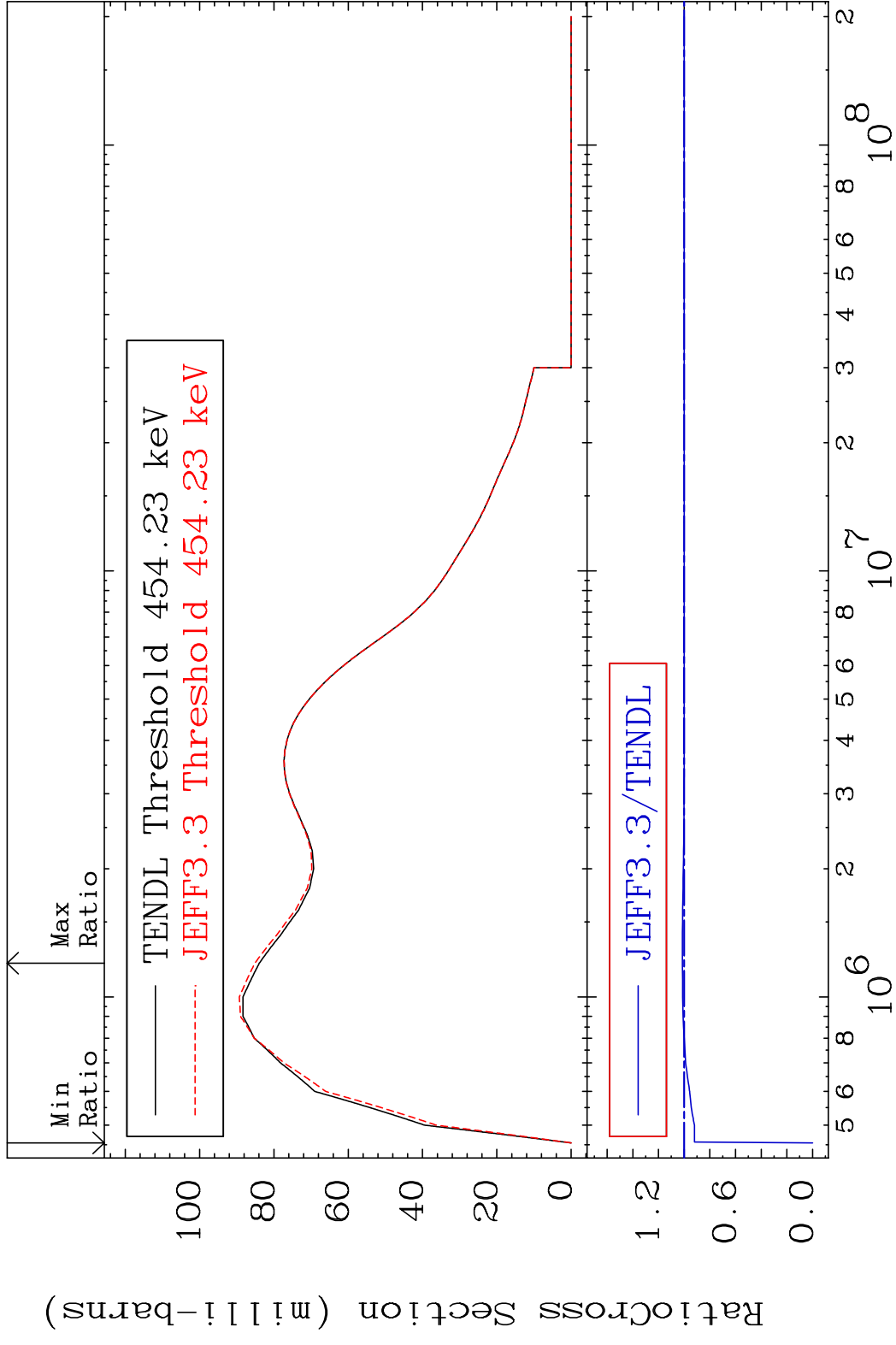
MAT 7828 MT= 62 (n,n') Level 78-Pt-191
 Cross Section -100.0 To 8.556 %



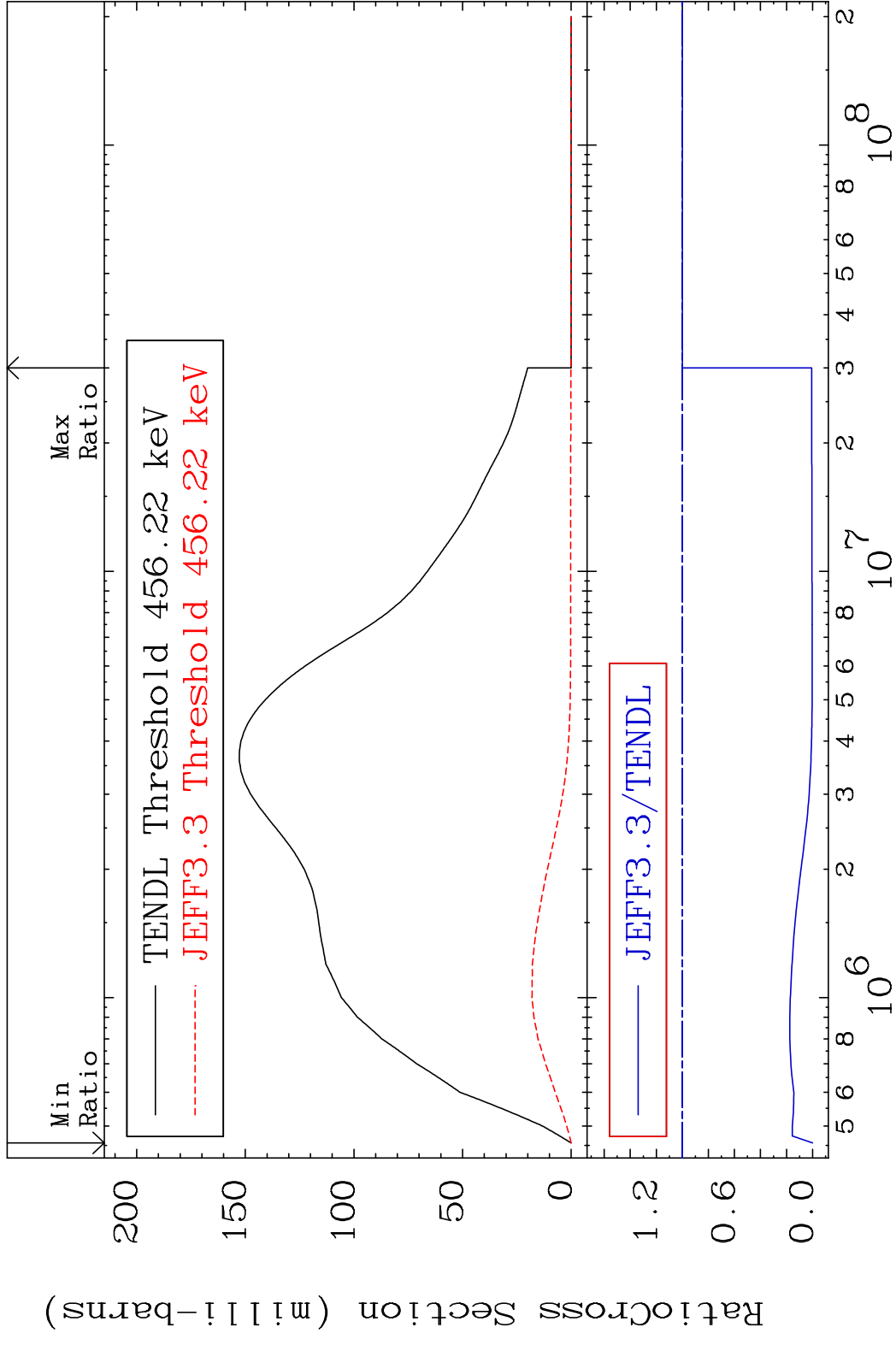
MAT 7828 MT= 63 (n, n') Level 78-Pt-191
 Cross Section -100.0 To 1.399 %



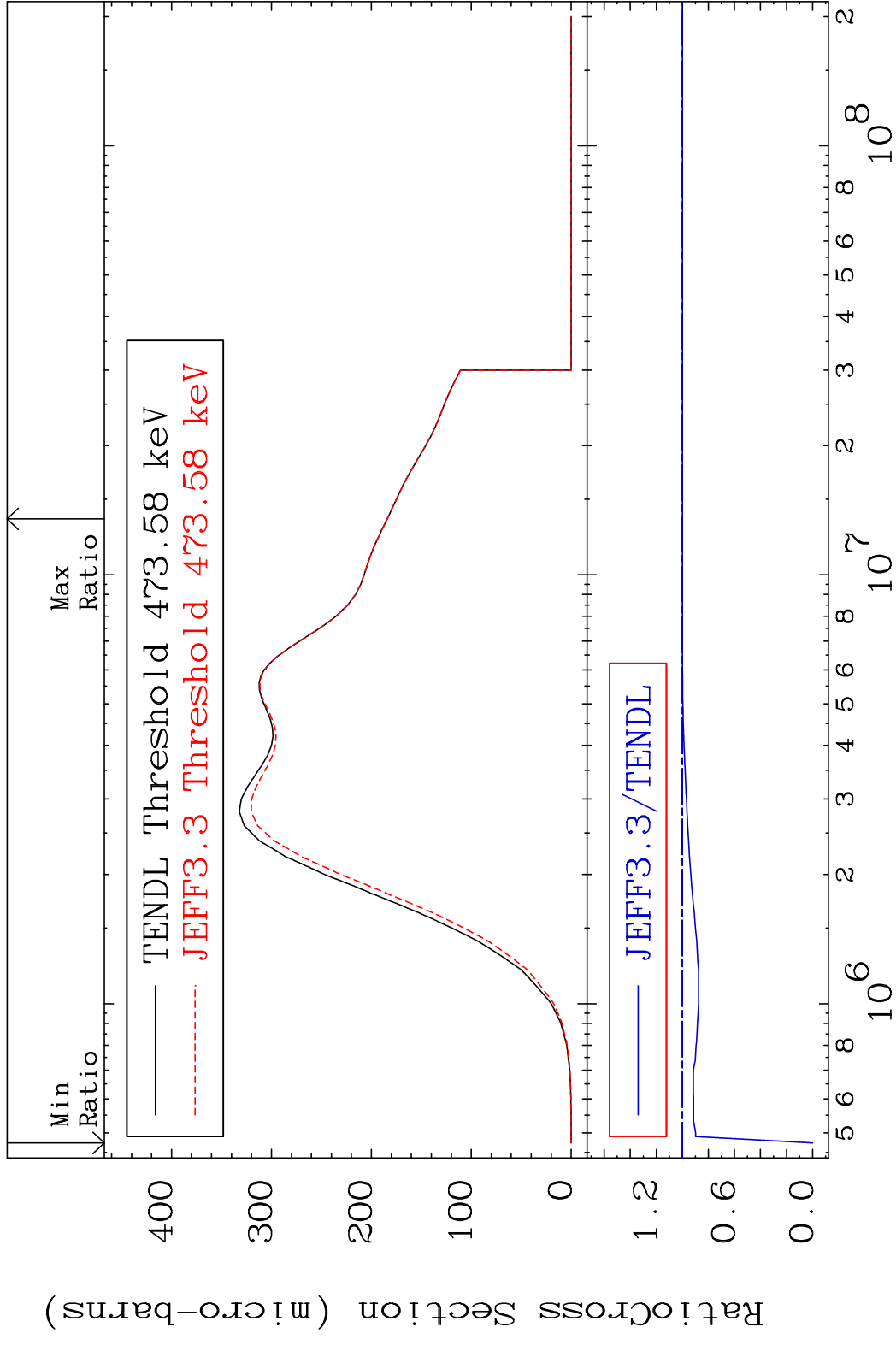
MAT 7828 MT= 64 (n,n') Level 78-Pt-191
 Cross Section -100.0 To 1.401 %



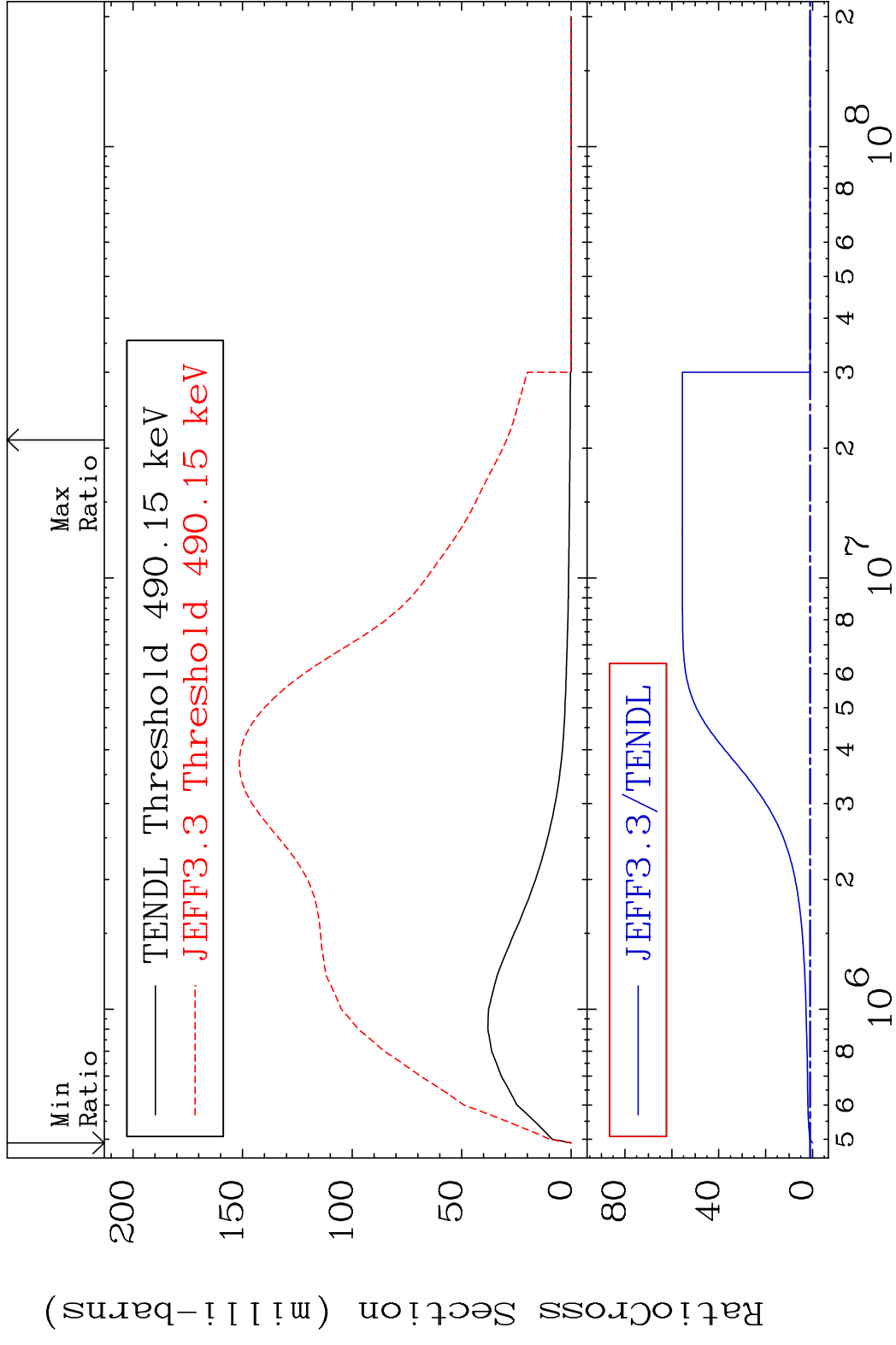
MAT 7828 MT= 65 (n, n') Level 78-Pt-191
 Cross Section -100.0 To 0.000 %



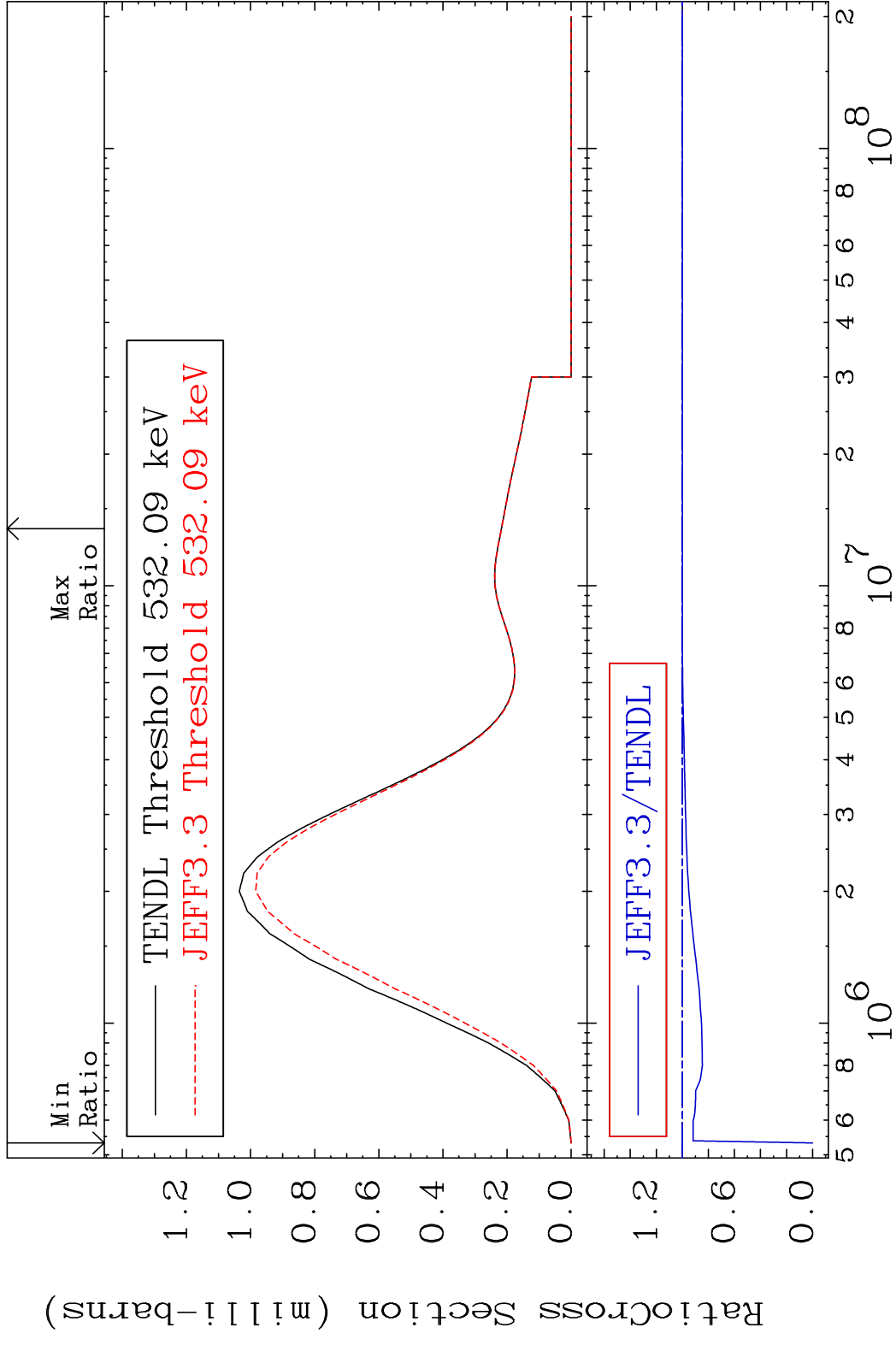
MAT 7828 MT= 66 (n, n') Level 78-Pt-191
 Cross Section -100.0 To 0.000 %



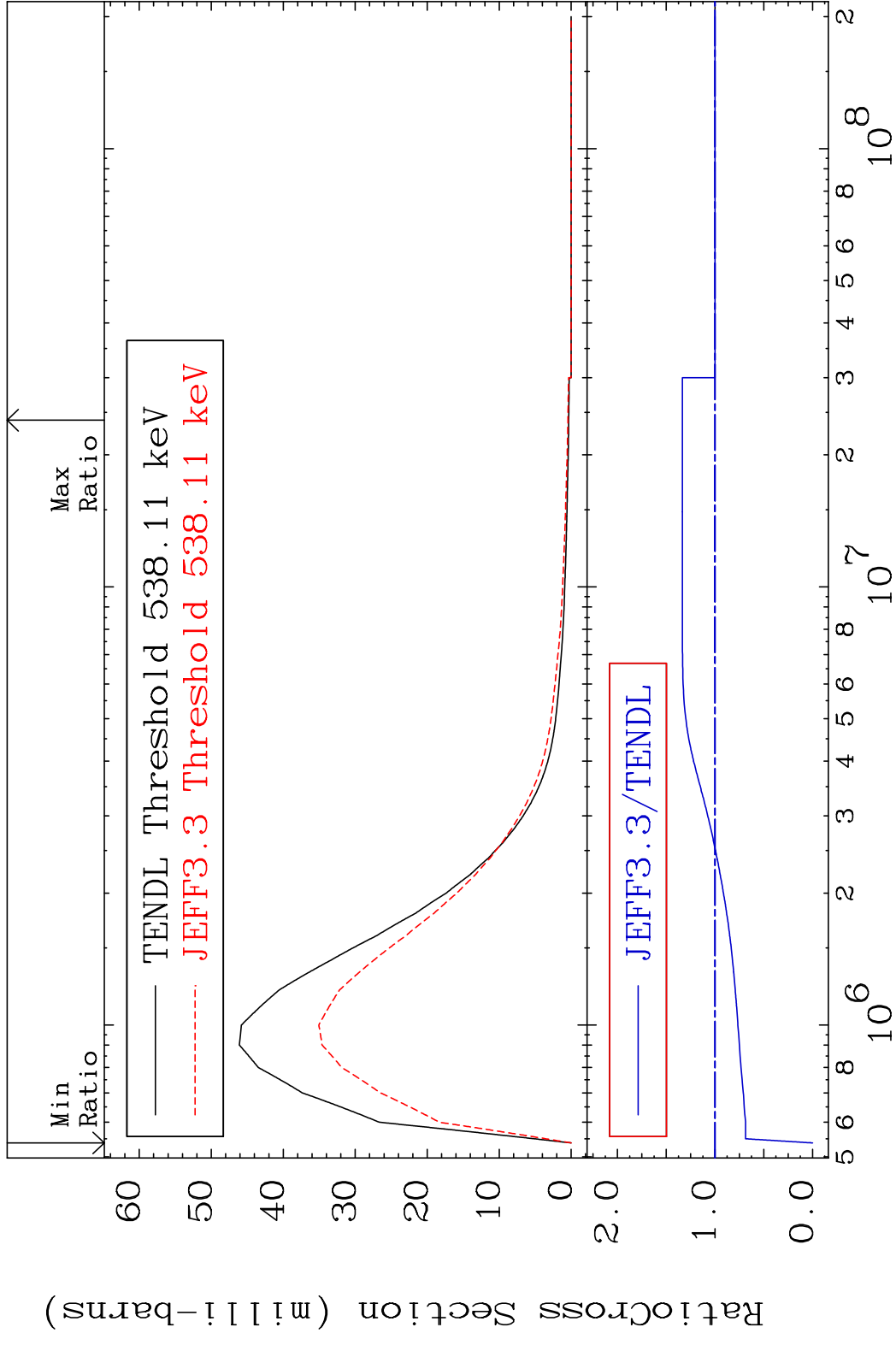
MAT 7828 MT= 67 (n, n') Level 78-Pt-191
 Cross Section -100.0 To 5450. %



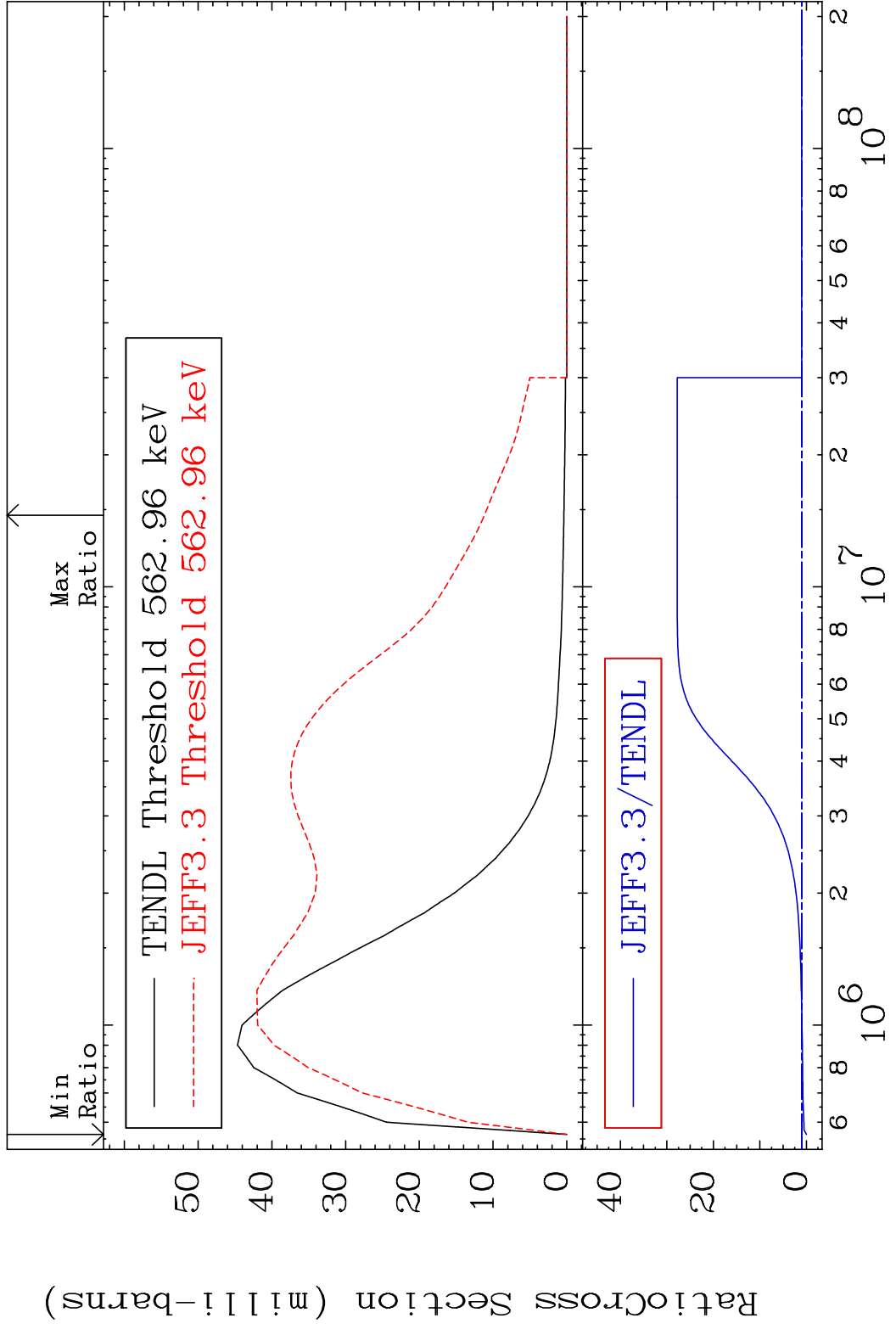
MAT 7828 MT= 68 (n, n') Level 78-Pt-191
 Cross Section -100.0 To 0.000 %



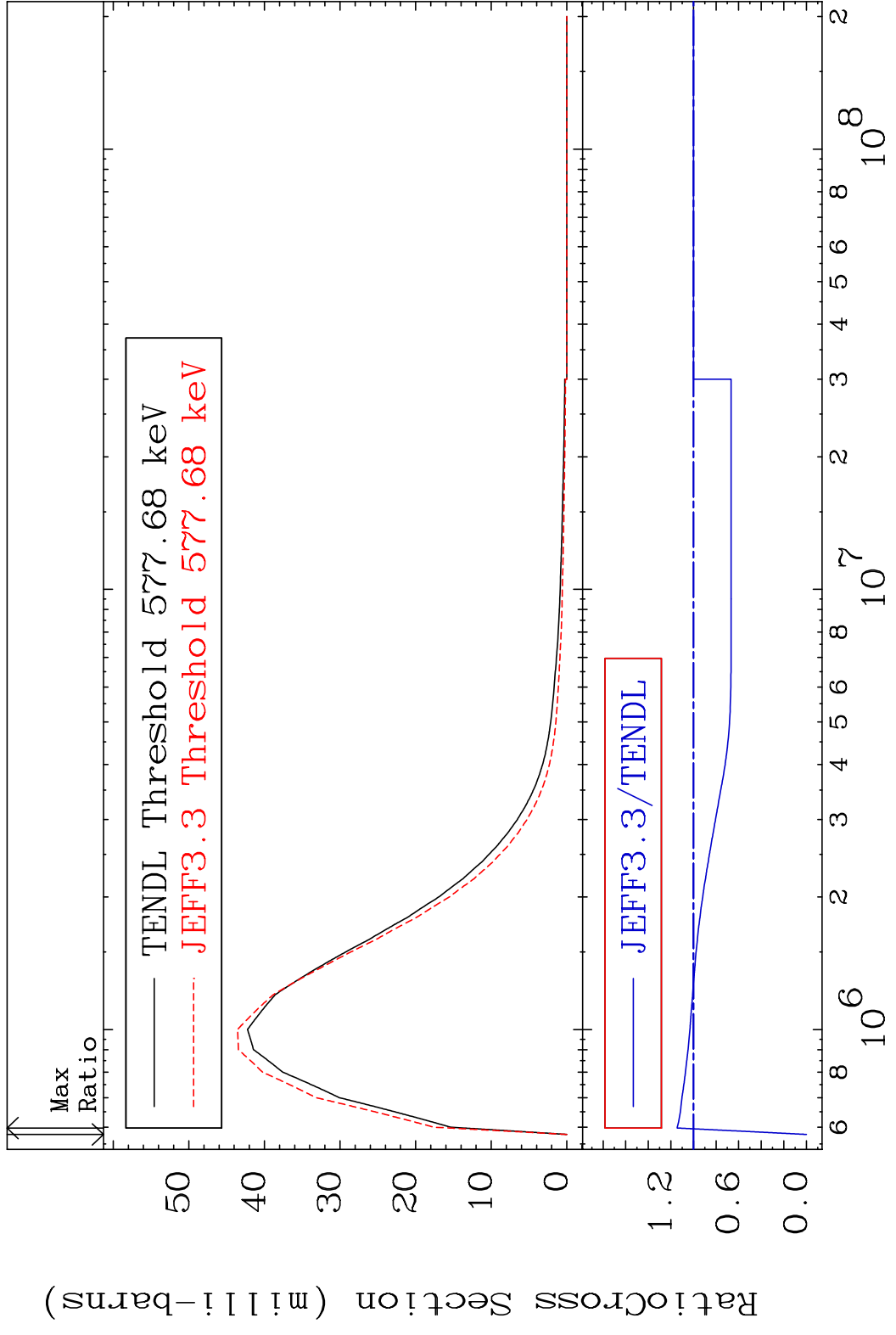
MAT 7828 MT= 69 (n, n') Level 78-Pt-191
 Cross Section -100.0 To 33.46 %



MAT 7828 MT= 70 (n, n') Level 78-Pt-191
 Cross Section -100.0 To 2678. %

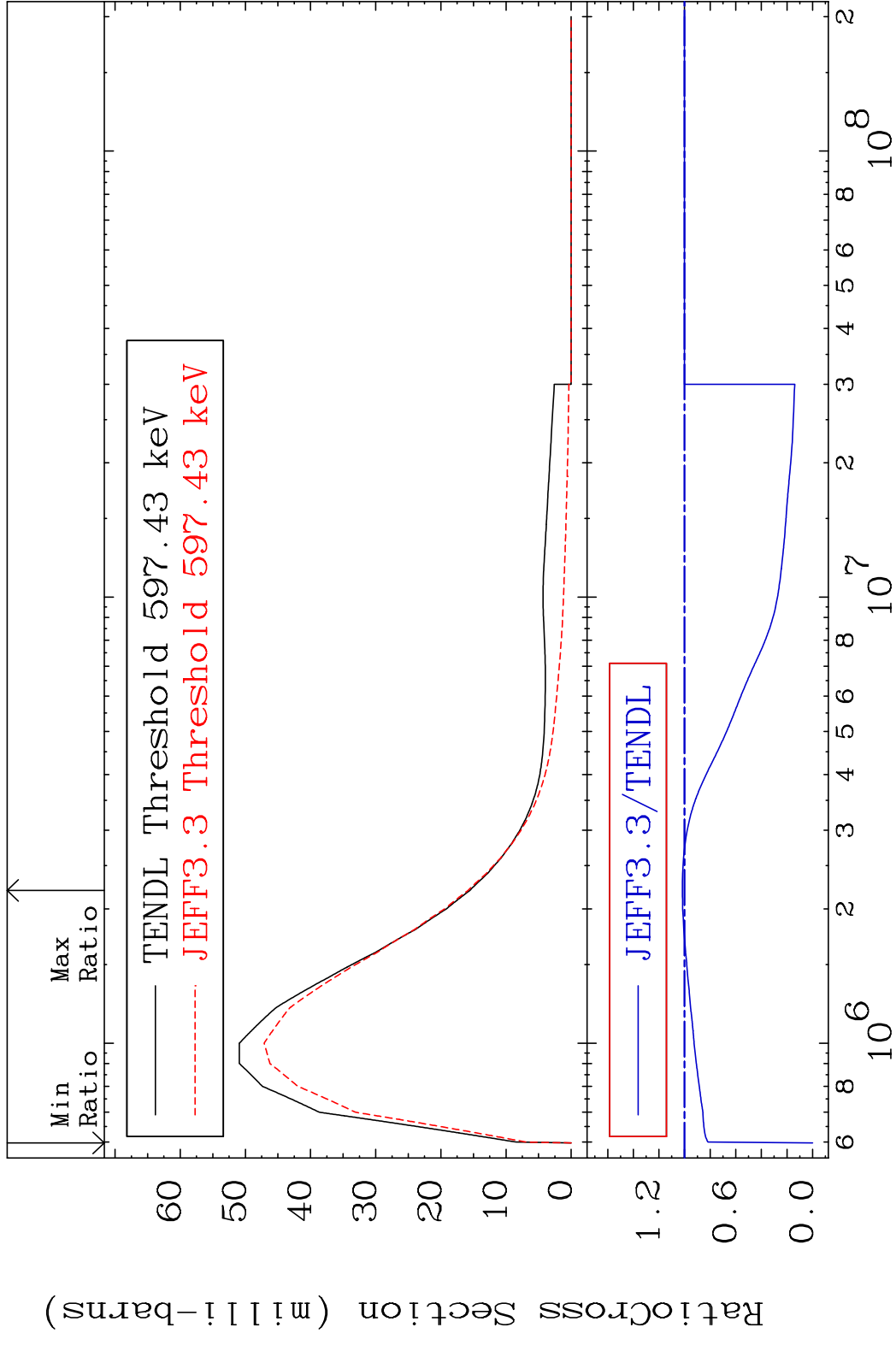


MAT 7828 MT= 71 (n,n') Level 78-Pt-191
 Cross Section -100.0 To 14.42 %

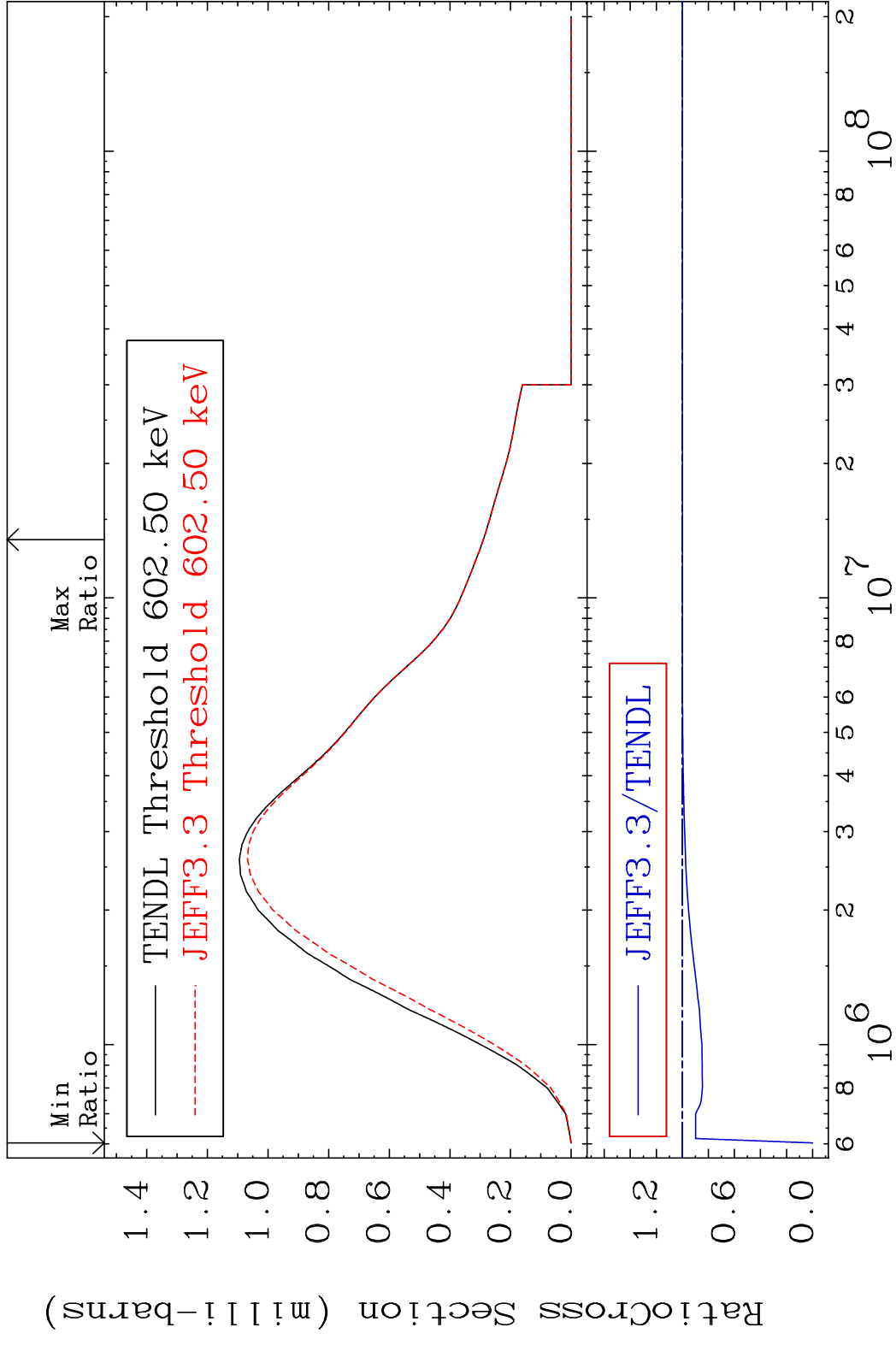


40 Incident Energy (eV) 78-Pt-191

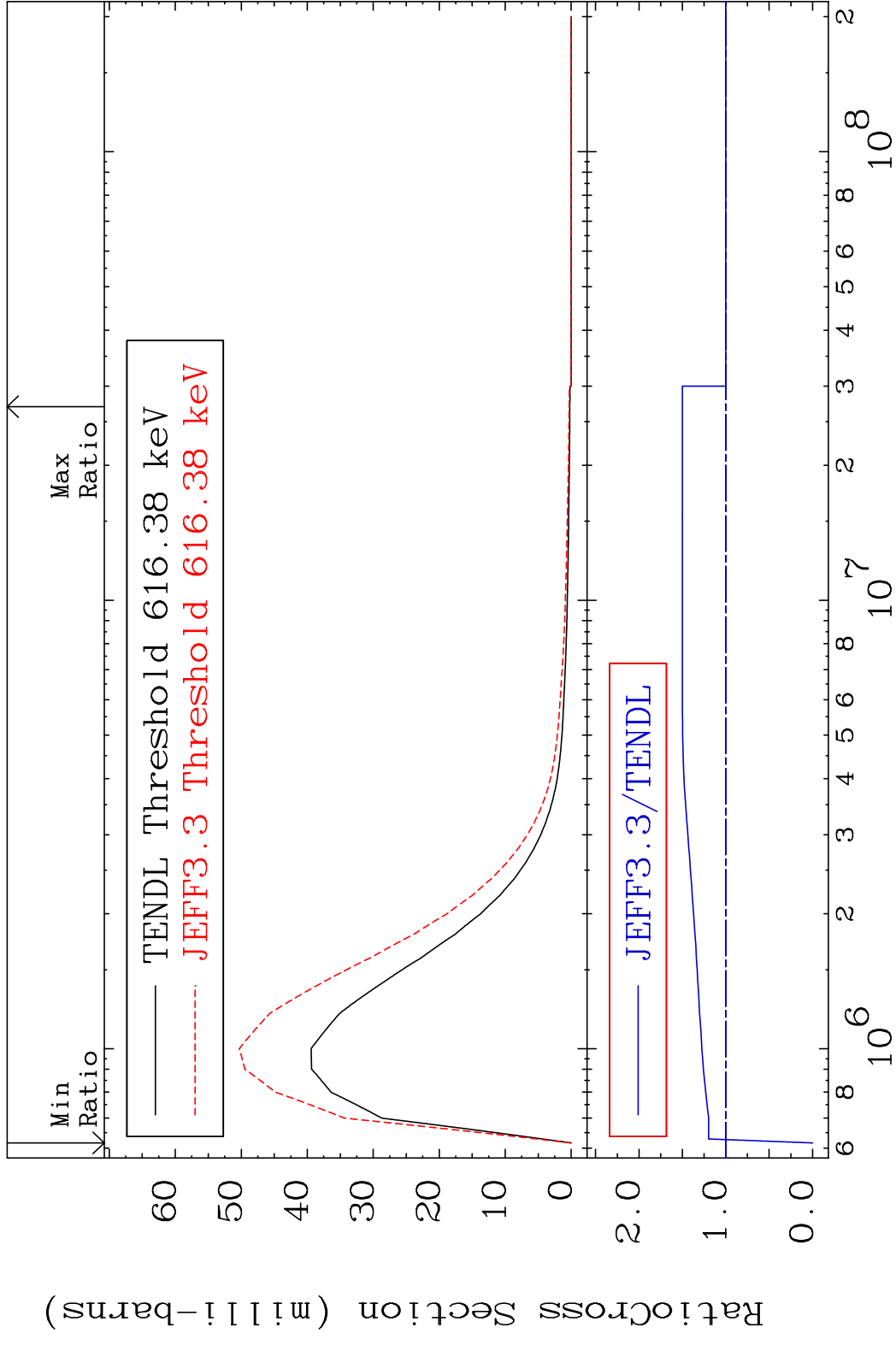
MAT 7828 MT= 72 (n,n') Level 78-Pt-191
 Cross Section -100.0 To 1.708 %



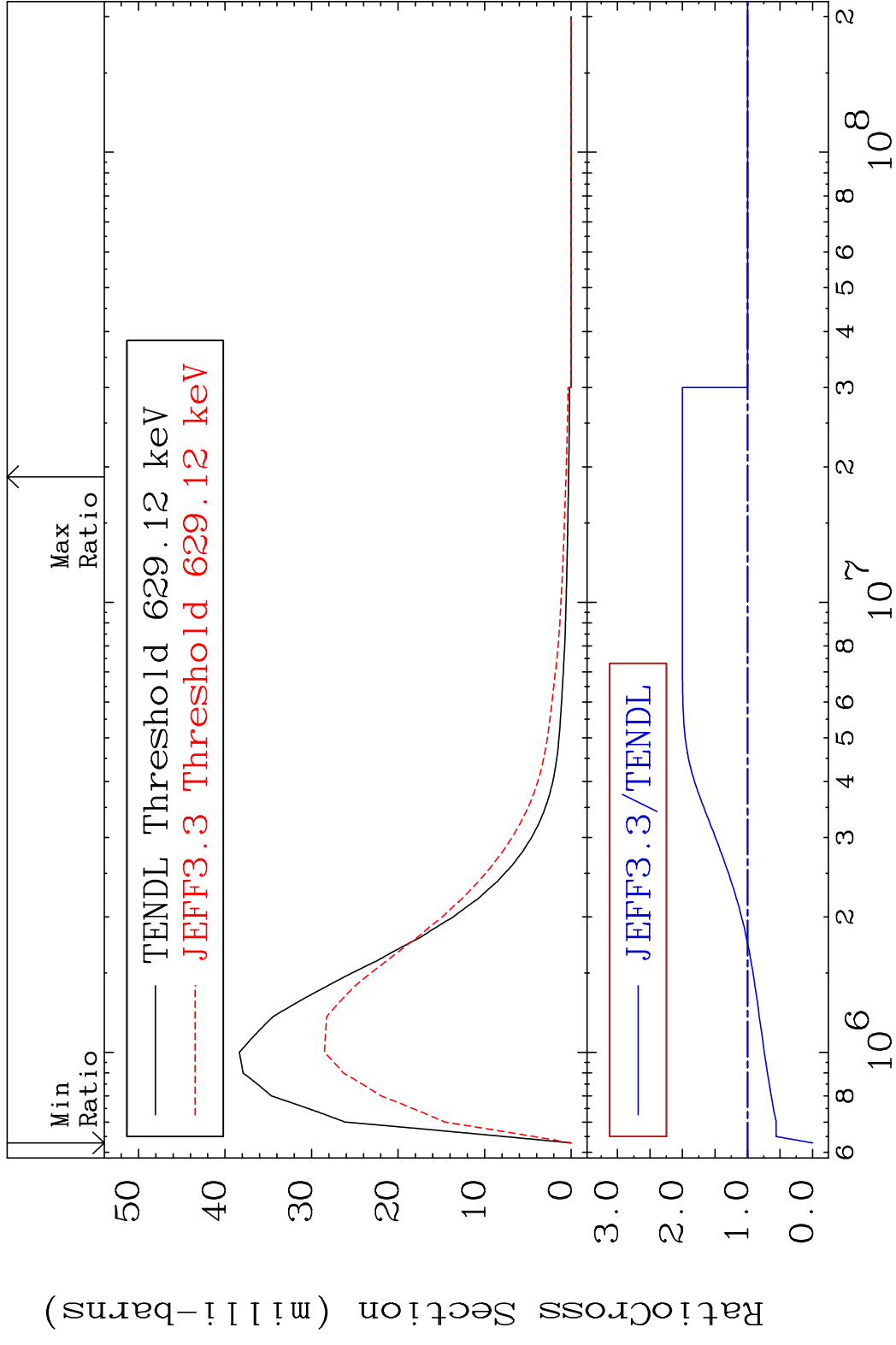
MAT 7828 MT= 73 (n, n') Level 78-Pt-191
 Cross Section -100.0 To 0.000 %



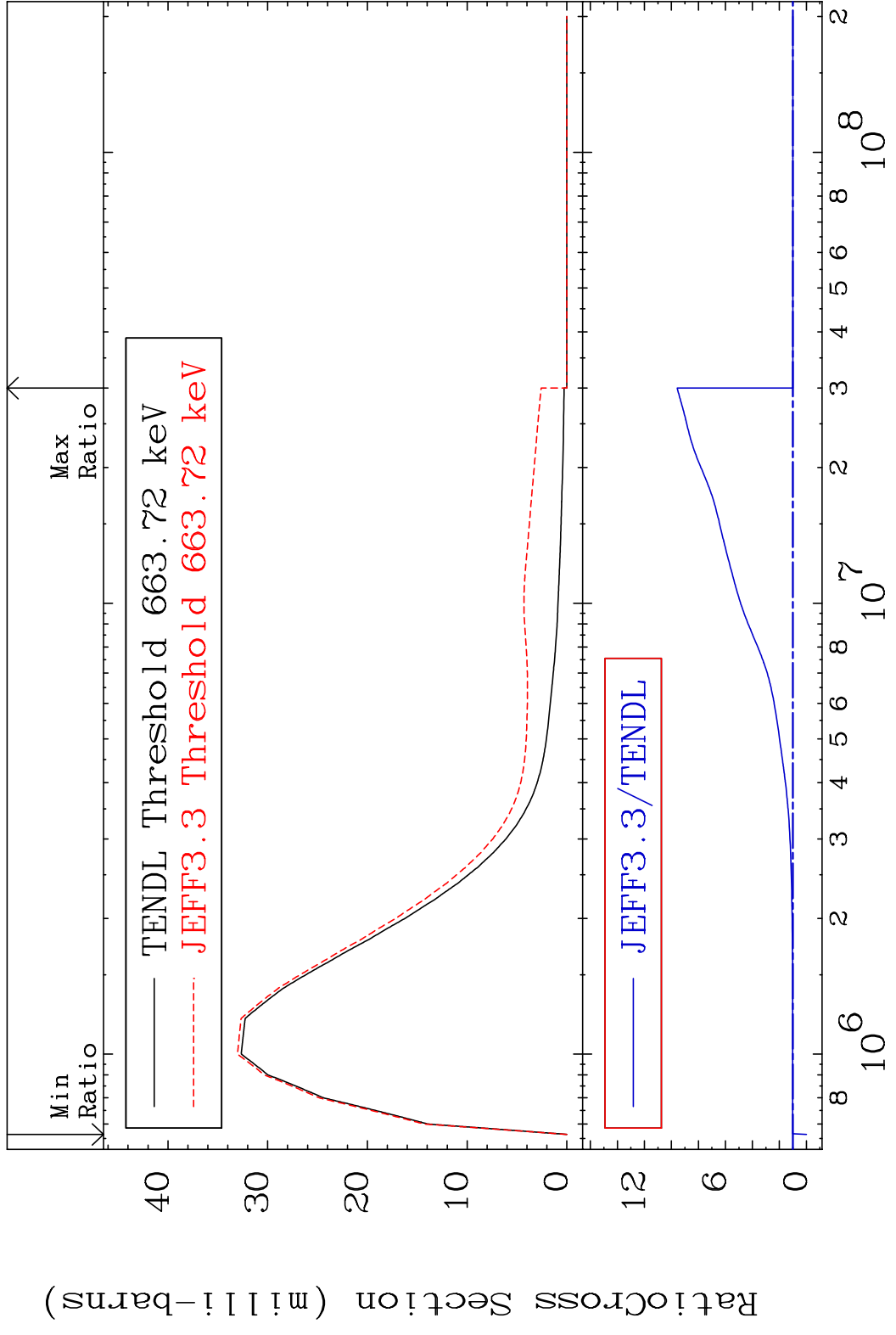
MAT 7828 MT= 74 (n, n') Level 78-Pt-191
 Cross Section -100.0 To 50.02 %



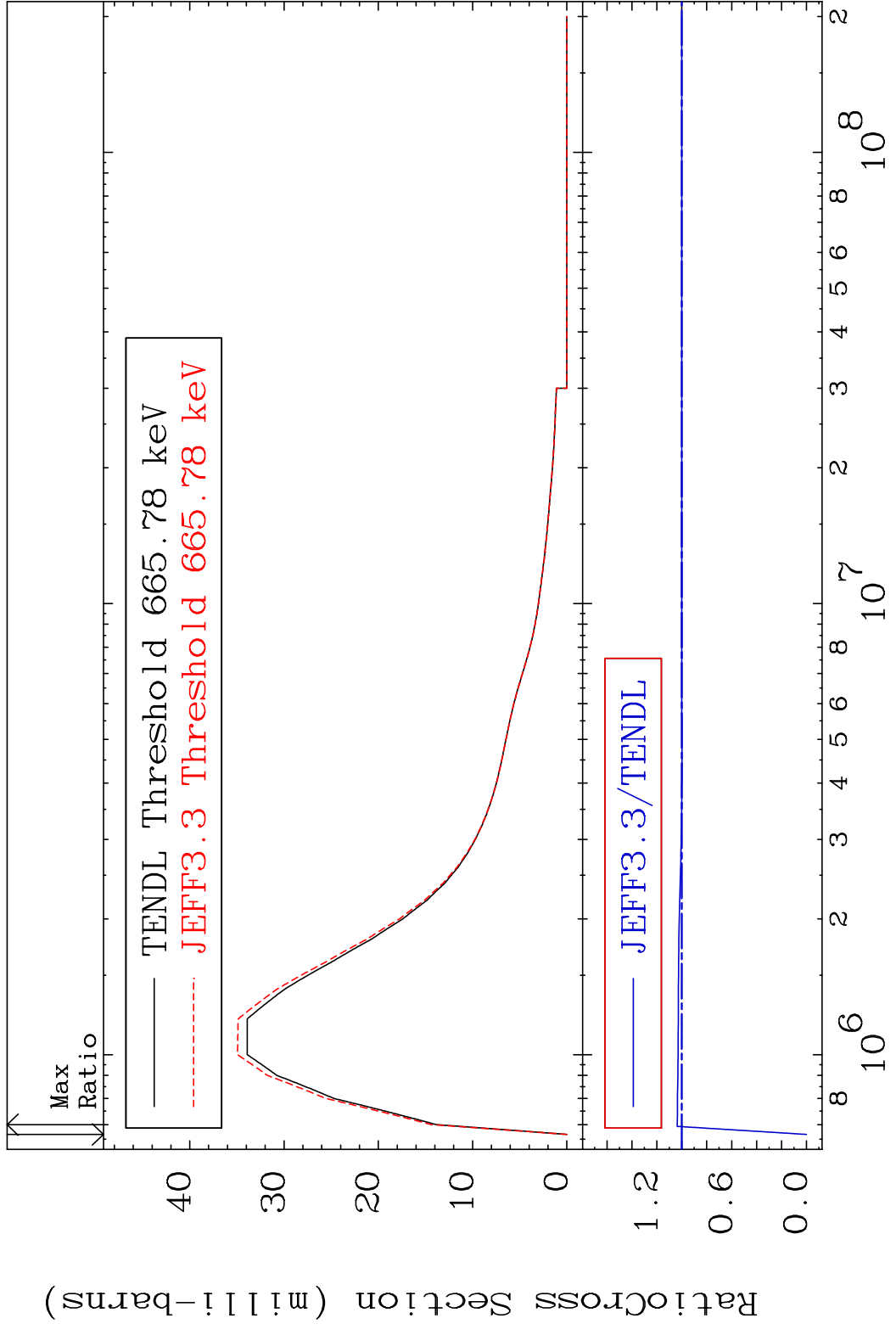
MAT 7828 MT= 75 (n, n') Level 78-Pt-191
 Cross Section -100.0 To 100.2 %



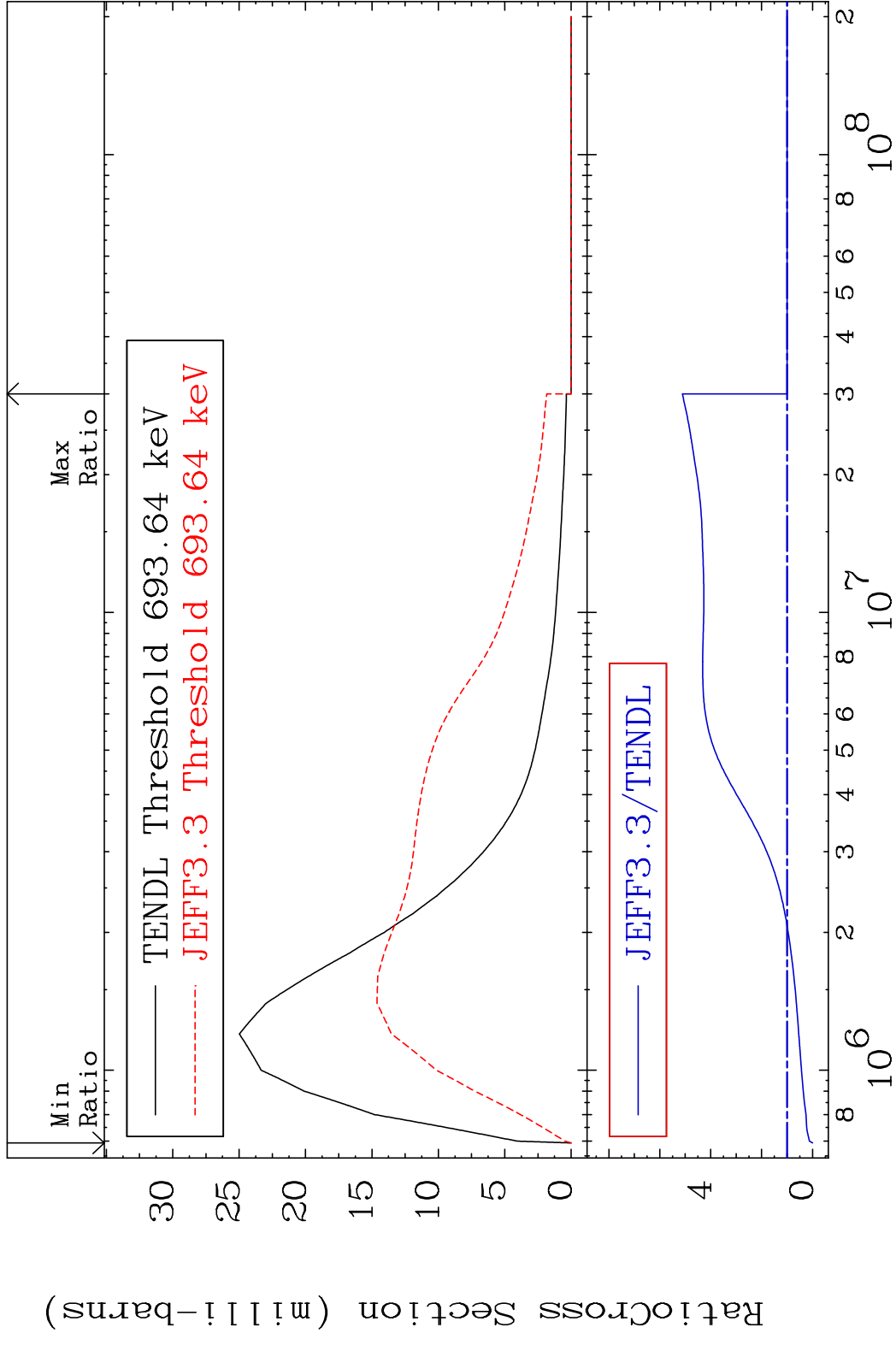
MAT 7828 MT= 76 (n, n') Level 78-Pt-191
 Cross Section -100.0 To 857.2 %



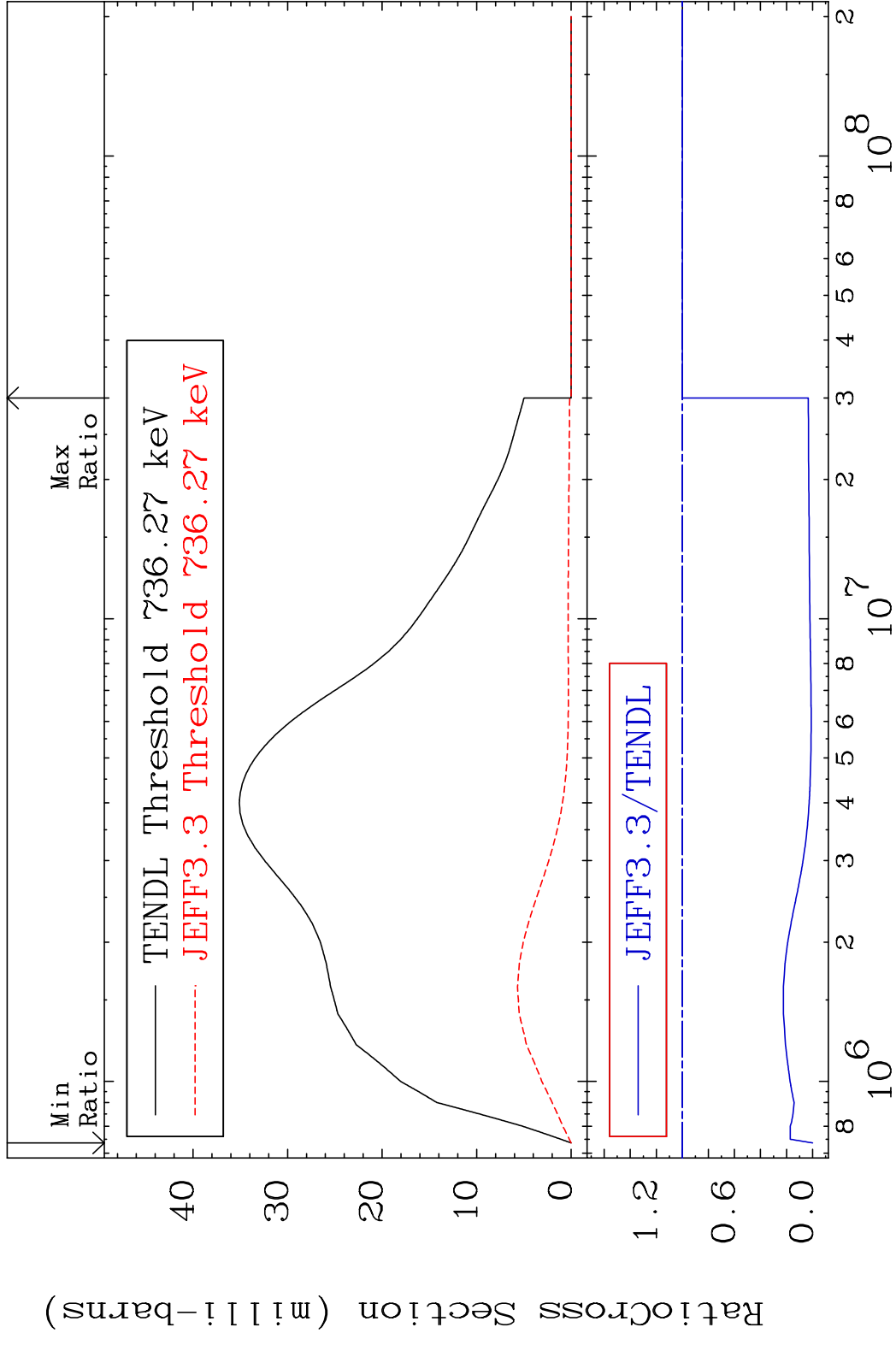
MAT 7828 MT= 77 (n,n') Level 78-Pt-191
 Cross Section -100.0 To 3.724 %



MAT 7828 MT= 78 (n,n') Level 78-Pt-191
 Cross Section -100.0 To 411.3 %

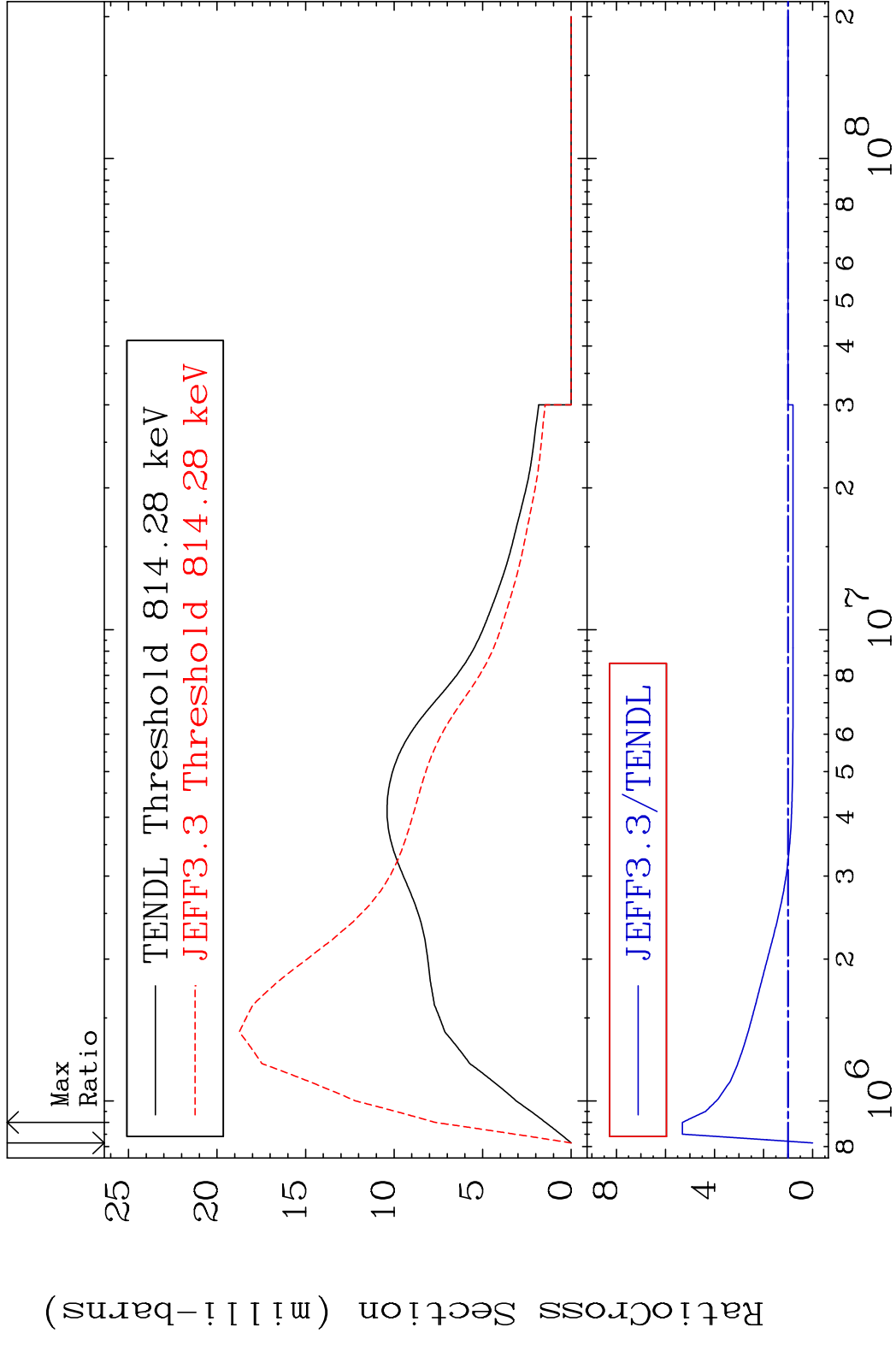


MAT 7828 MT= 79 (n, n') Level 78-Pt-191
 Cross Section -100.0 To 0.000 %



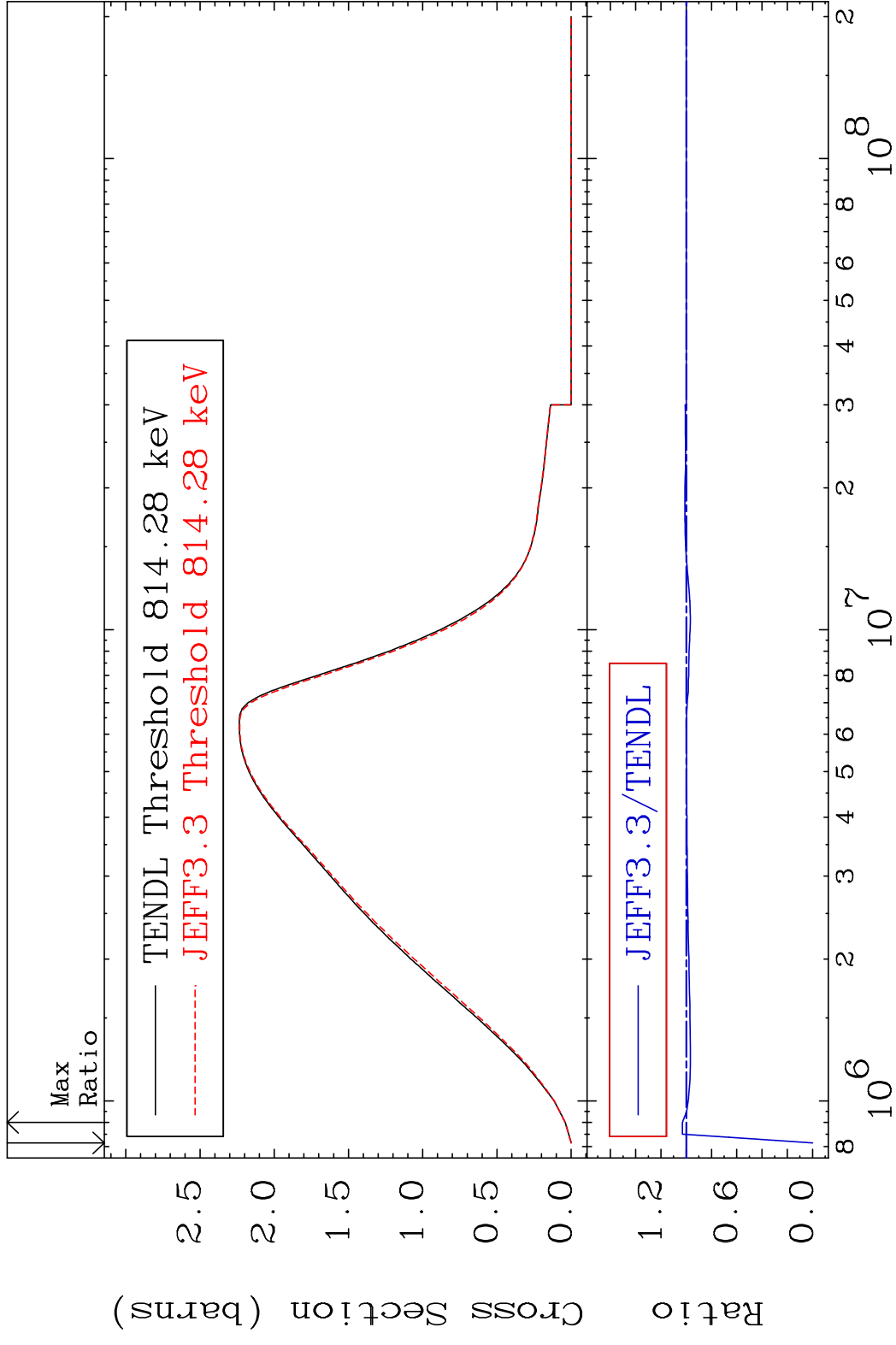
48 Incident Energy (eV) 78-Pt-191

MAT 7828 MT= 80 (n, n') Level 78-Pt-191
 Cross Section -100.0 To 431.0 %



49 Incident Energy (eV) 78-Pt-191

MAT 7828 (n, n') Continuum 78-Pt-191
 Cross Section -100.0 To 3.060 %

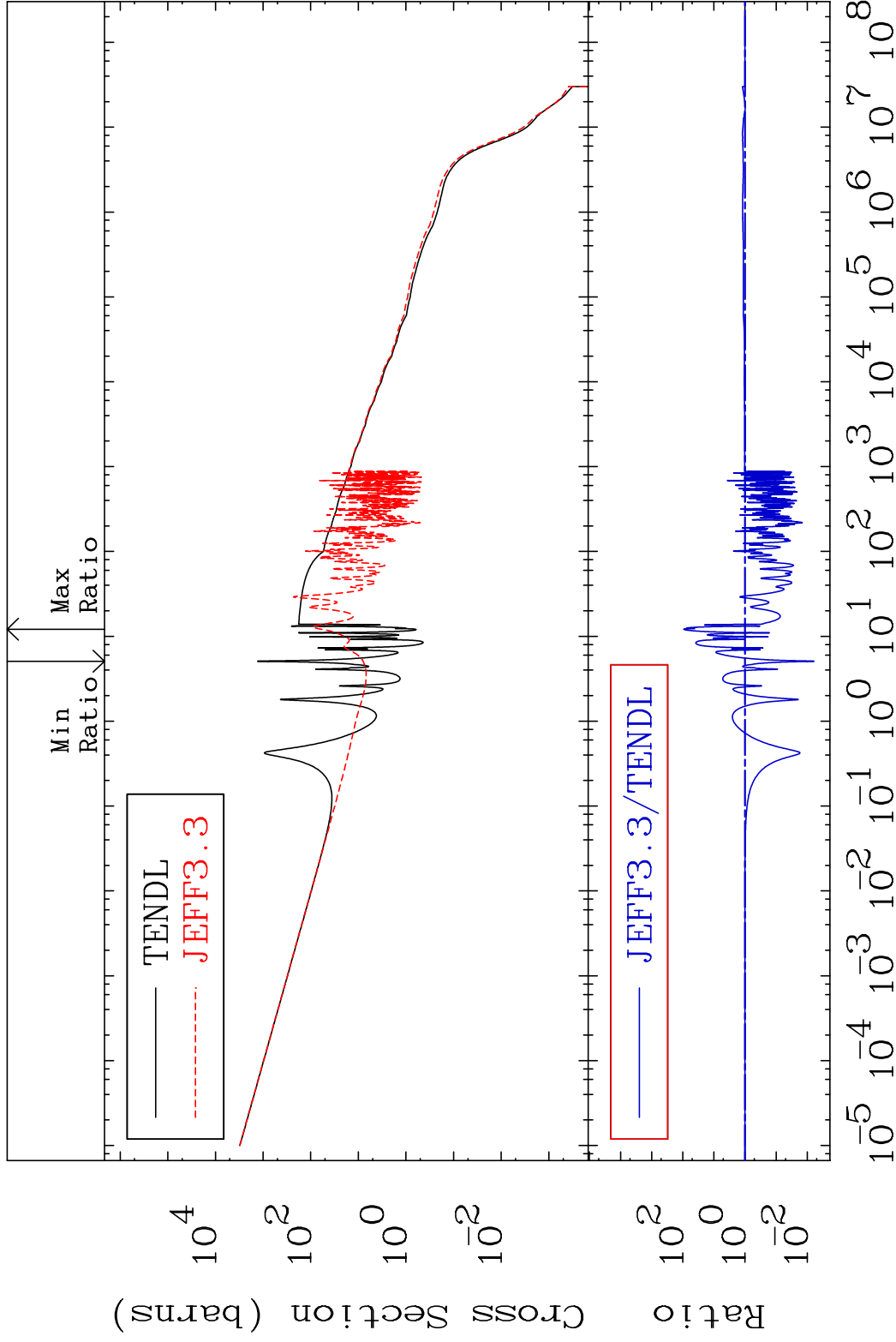


MAT 7828

(n, γ)

78-Pt-191

Cross Section -99.40 To 9265. %



51

Incident Energy (eV)

78-Pt-191

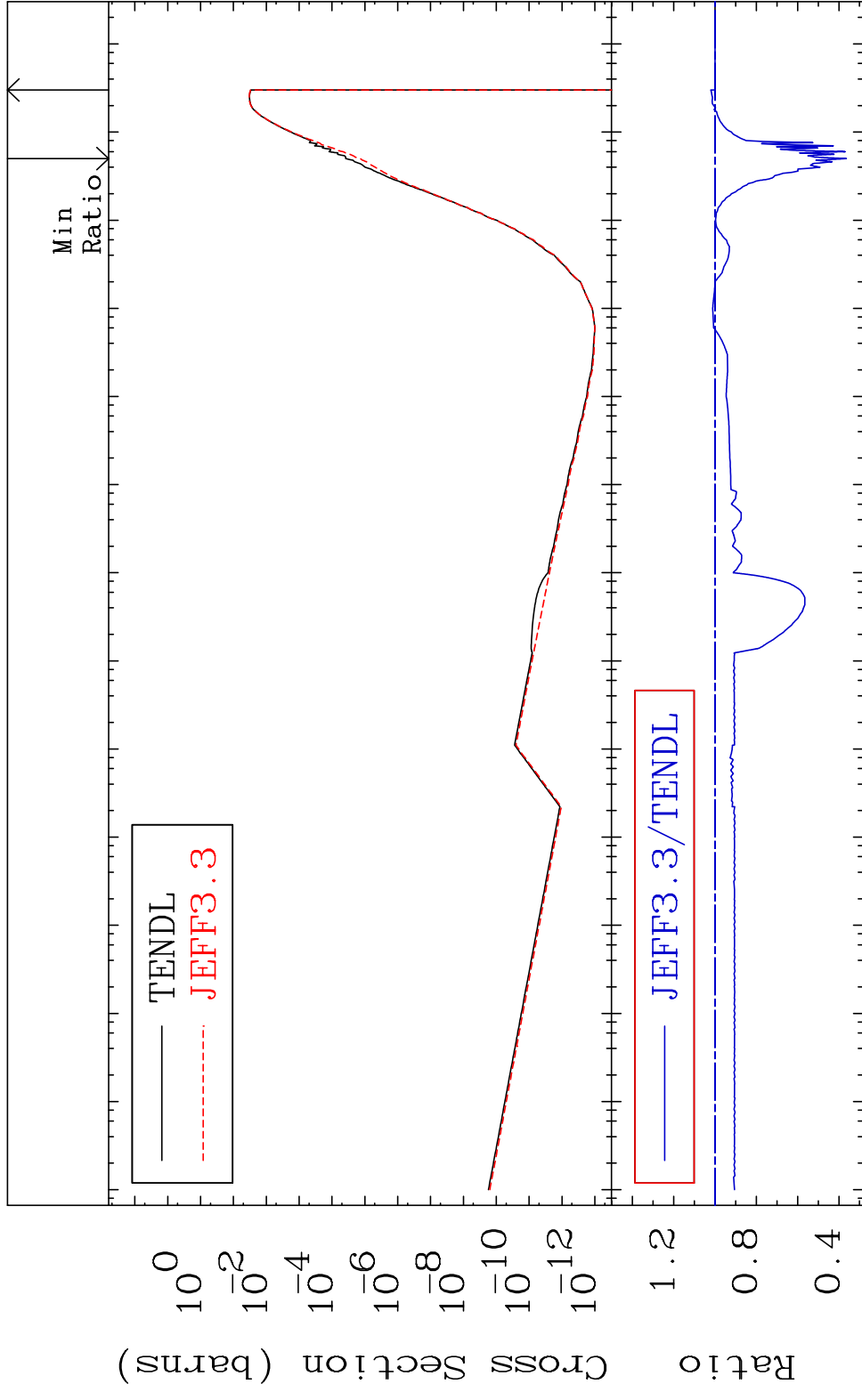
MAT 7828

(n, p)

78-Pt-191

Cross Section

-63.59 To 2.091 %

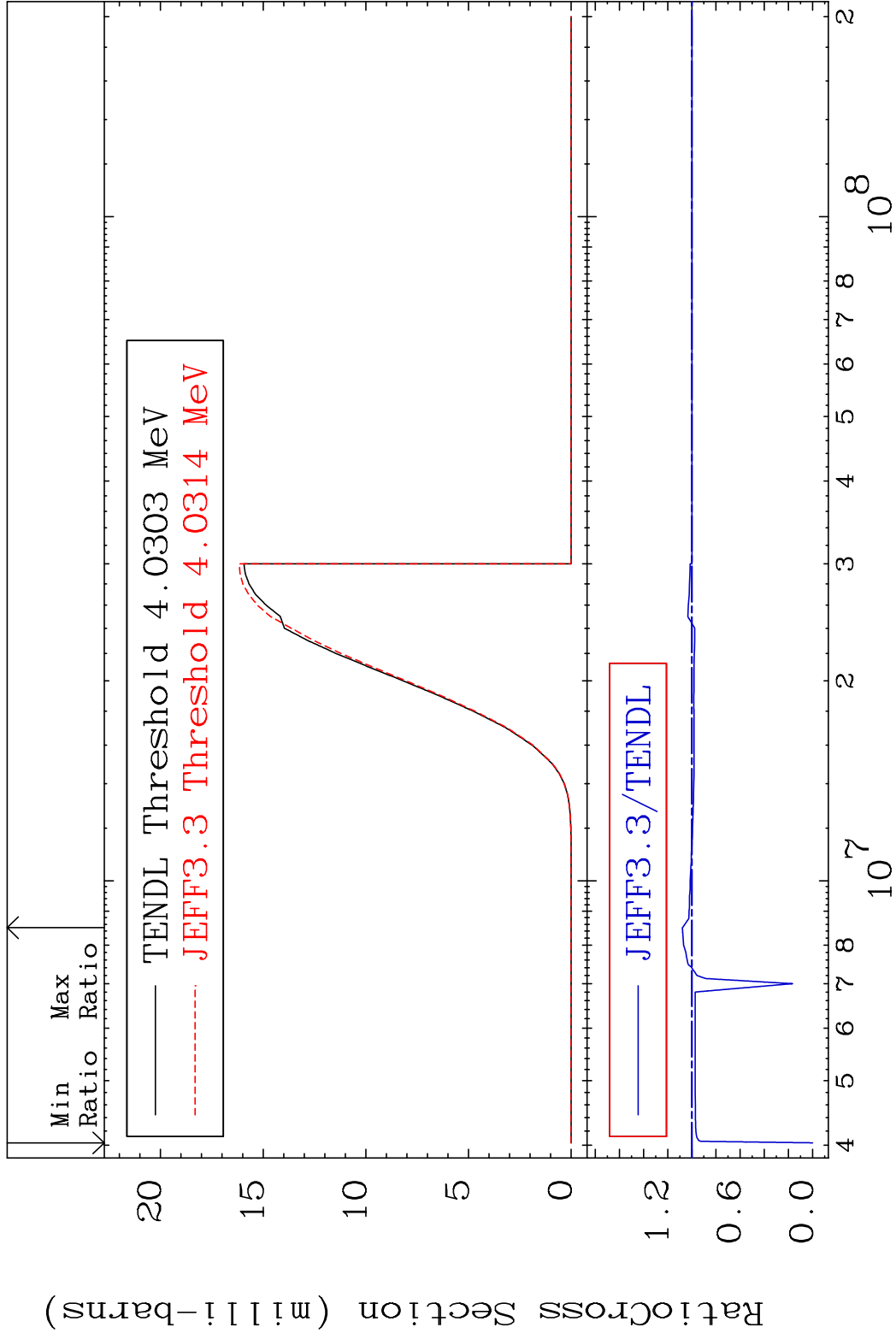


MAT 7828

(n,d)

78-Pt-191

Cross Section -100.0 To 7.872 %



53

Incident Energy (eV)

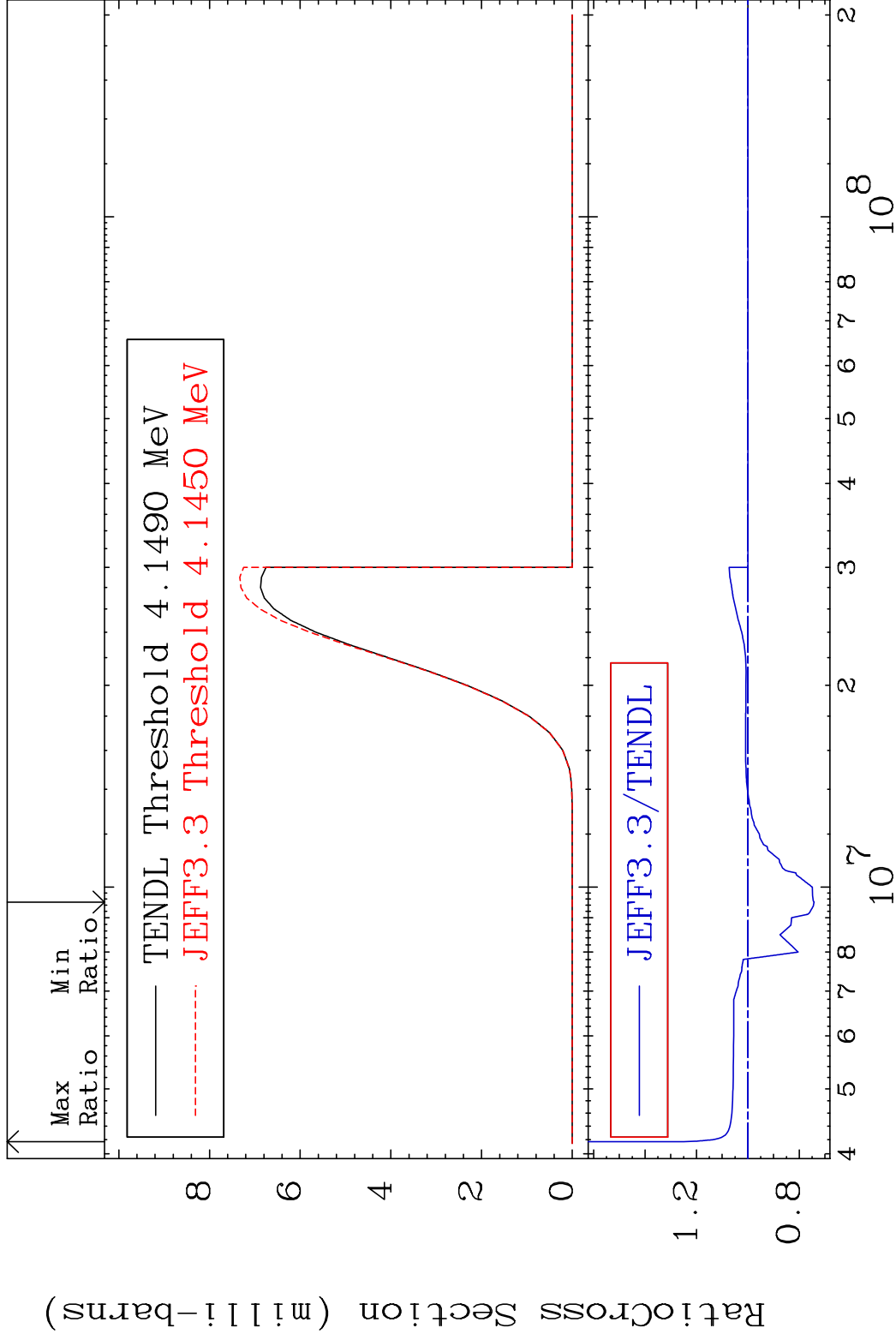
78-Pt-191

MAT 7828

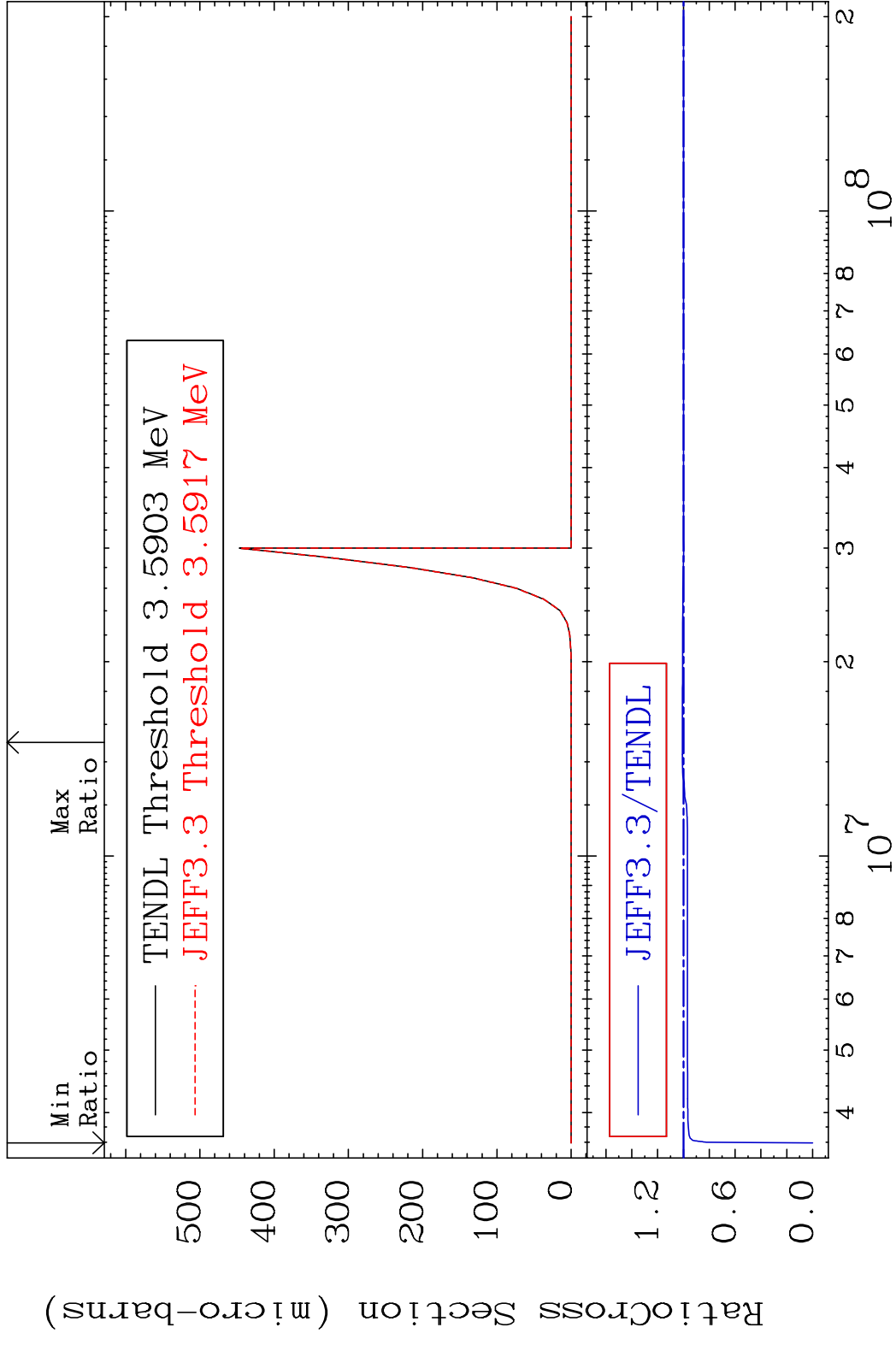
(n, t)

78-Pt-191

Cross Section -25.77 To 24.98 %



MAT 7828 (n, He-3) 78-Pt-191
 Cross Section -100.0 To 0.836 %

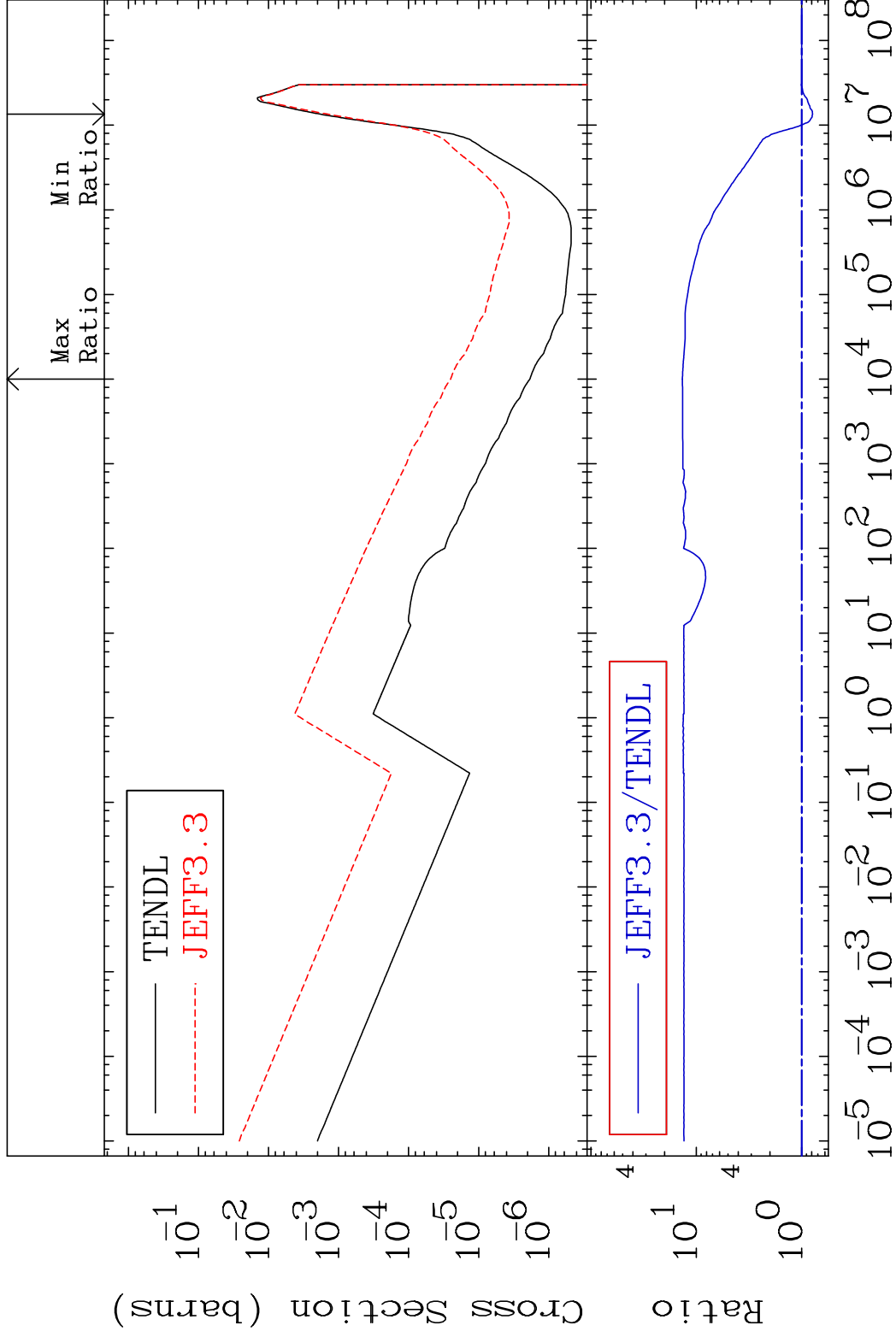


MAT 7828

(n, α)

78-Pt-191

Cross Section -21.33 To 1255. %

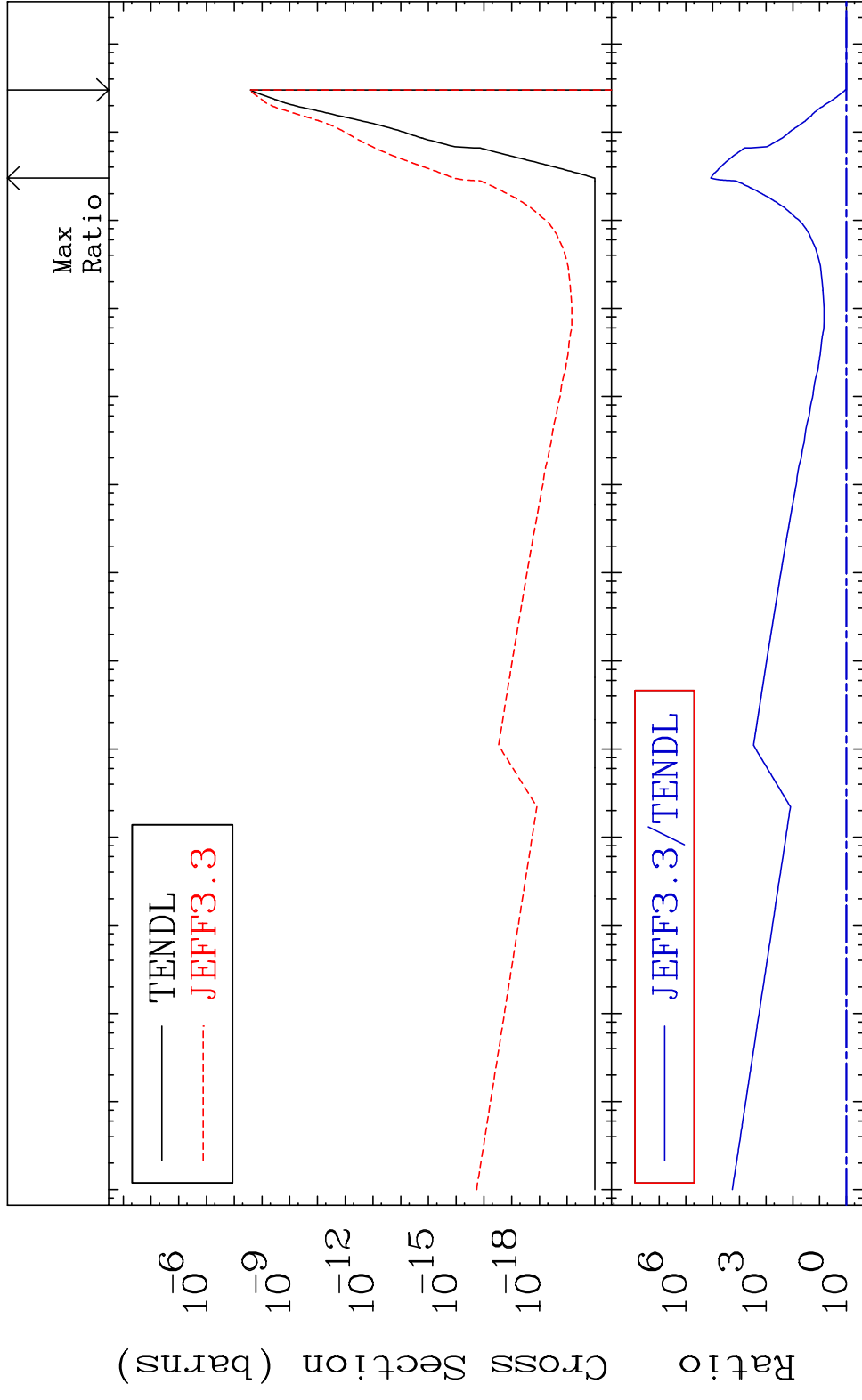


MAT 7828

(n,2α)

78-Pt-191

Cross Section 0.000 To 9999. %

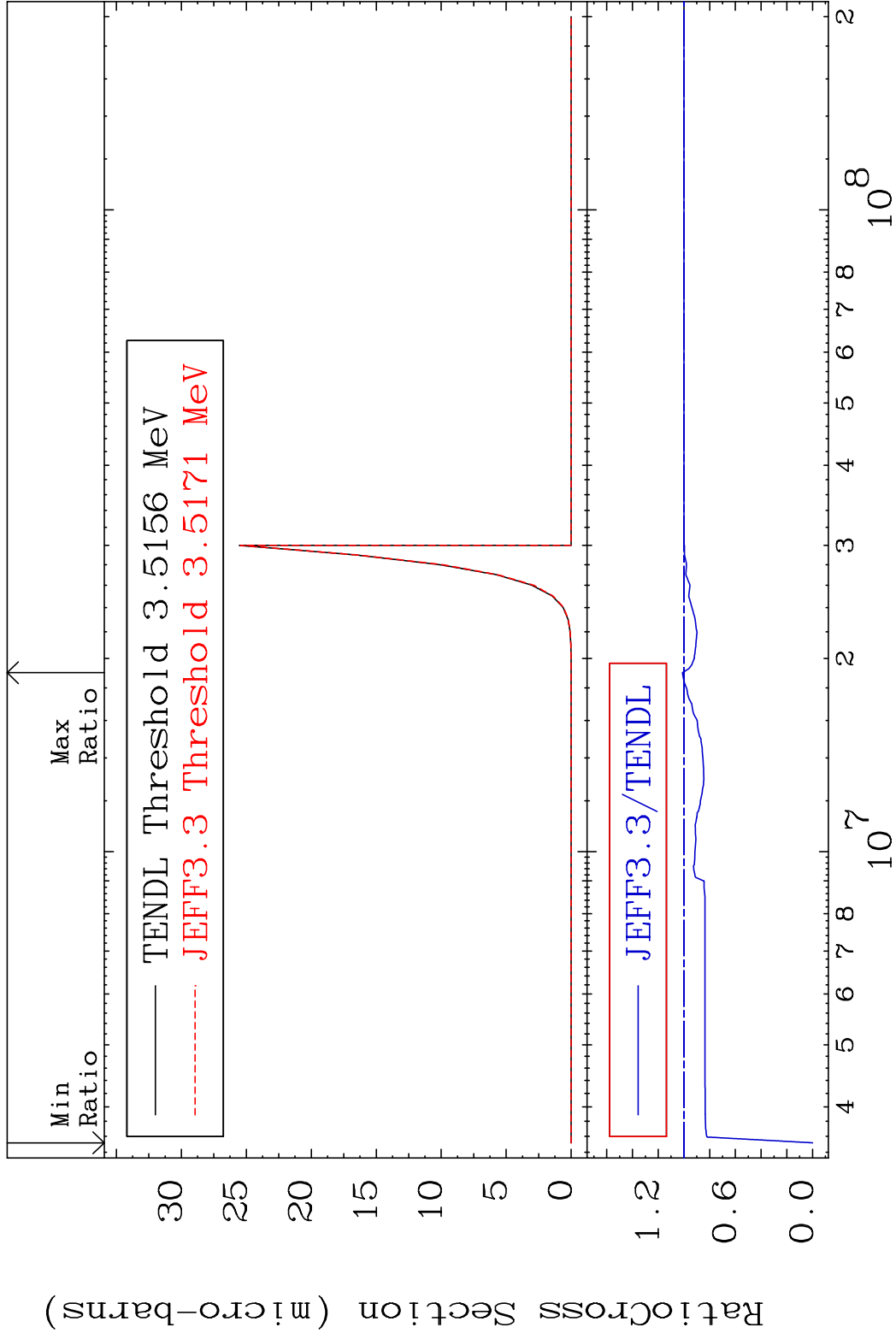


MAT 7828

(n,2p)

78-Pt-191

Cross Section -100.0 To 1.228 %

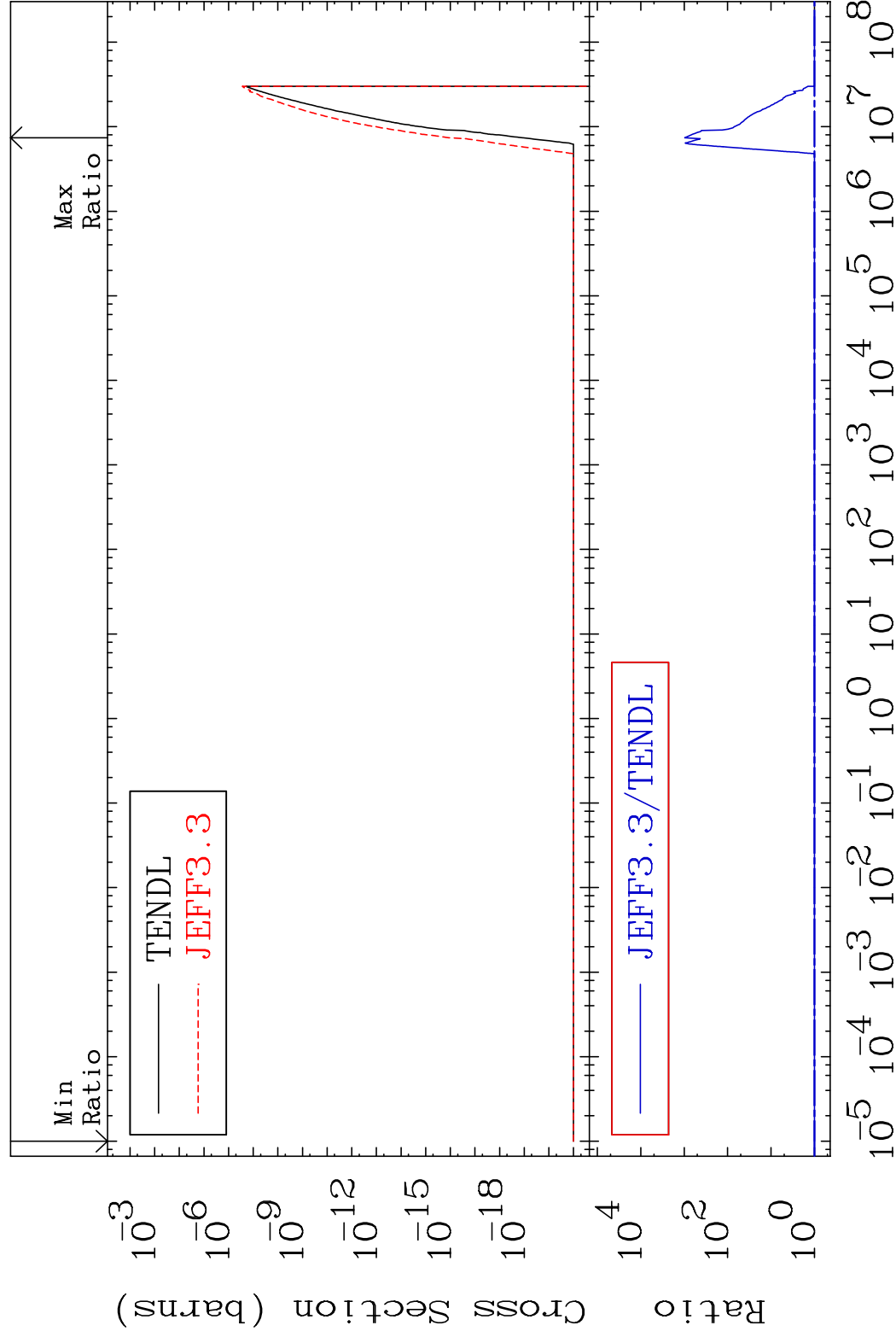


MAT 7828

(n,p) α

78-Pt-191

Cross Section 0.000 To 9999. %



59

Incident Energy (eV)

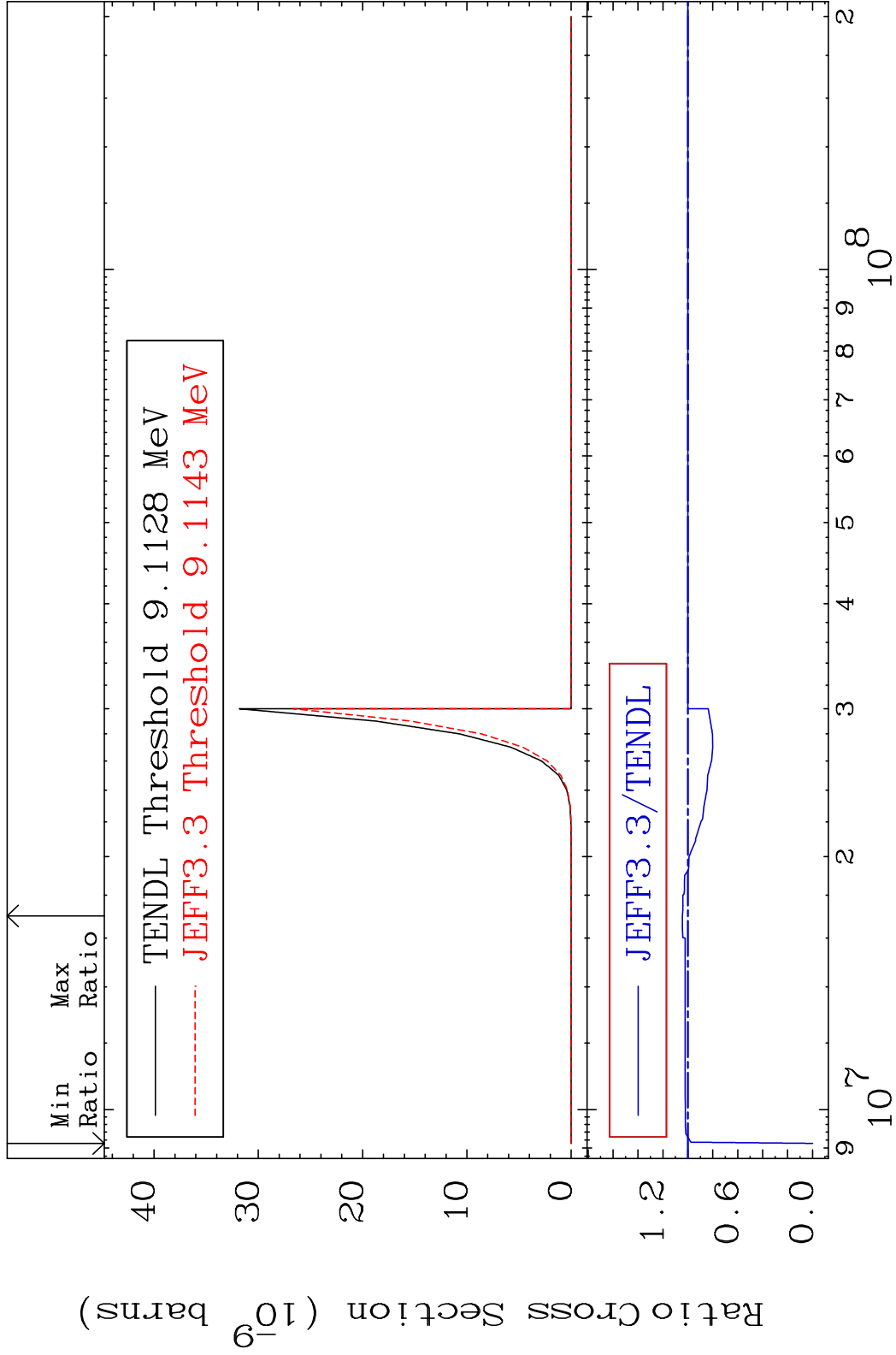
78-Pt-191

MAT 7828

(n,p) d

78-Pt-191

Cross Section -100.0 To 4.440 %



60

Incident Energy (eV)

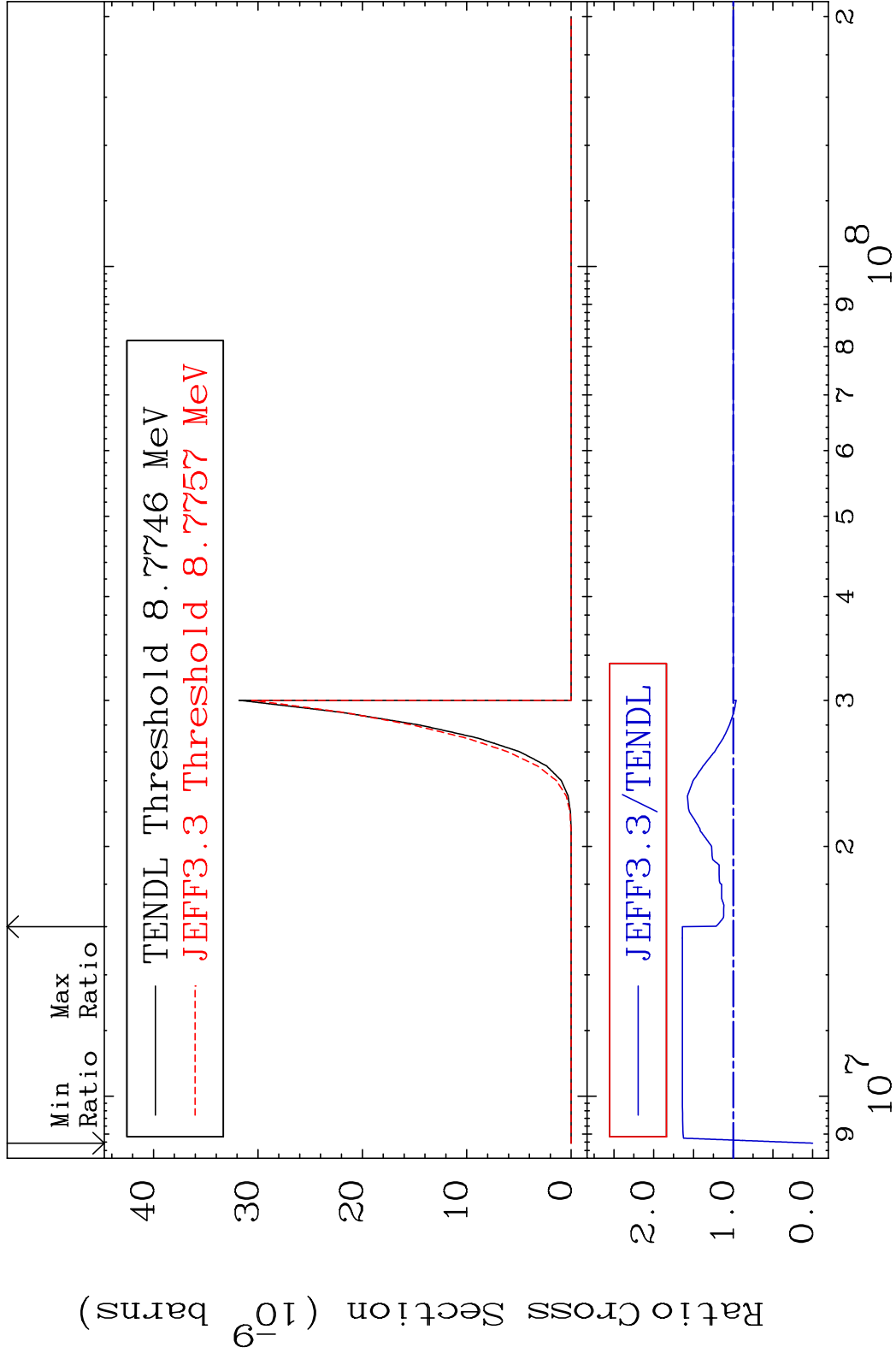
78-Pt-191

MAT 7828

(n,p) t

78-Pt-191

Cross Section -100.0 To 63.97 %

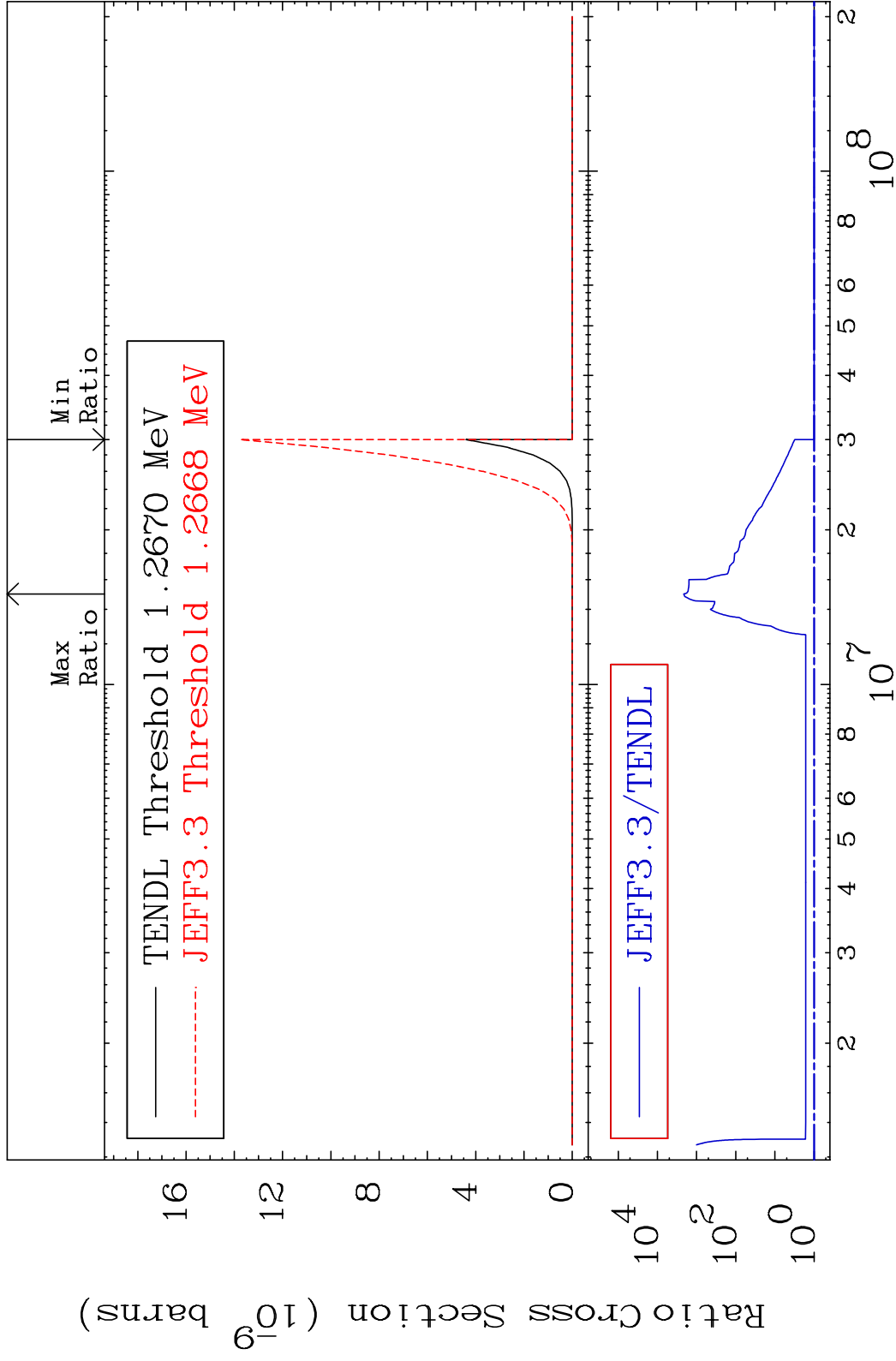


MAT 7828

(n,d) α

78-Pt-191

Cross Section 0.000 To 9999. %



62

Incident Energy (eV)

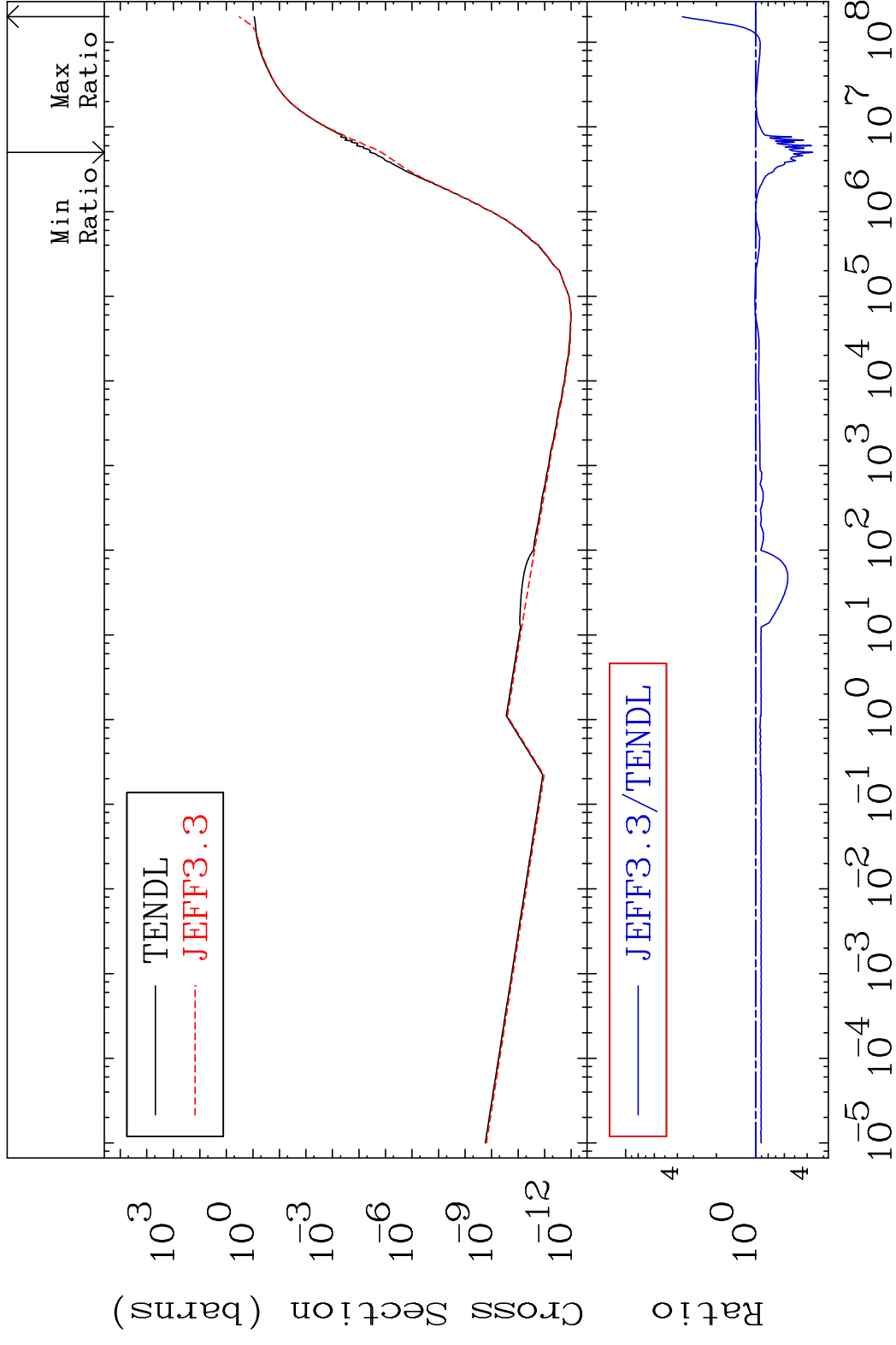
78-Pt-191

MAT 7828

Hydrogen Production

78-Pt-191

Cross Section -63.59 To 265.8 %

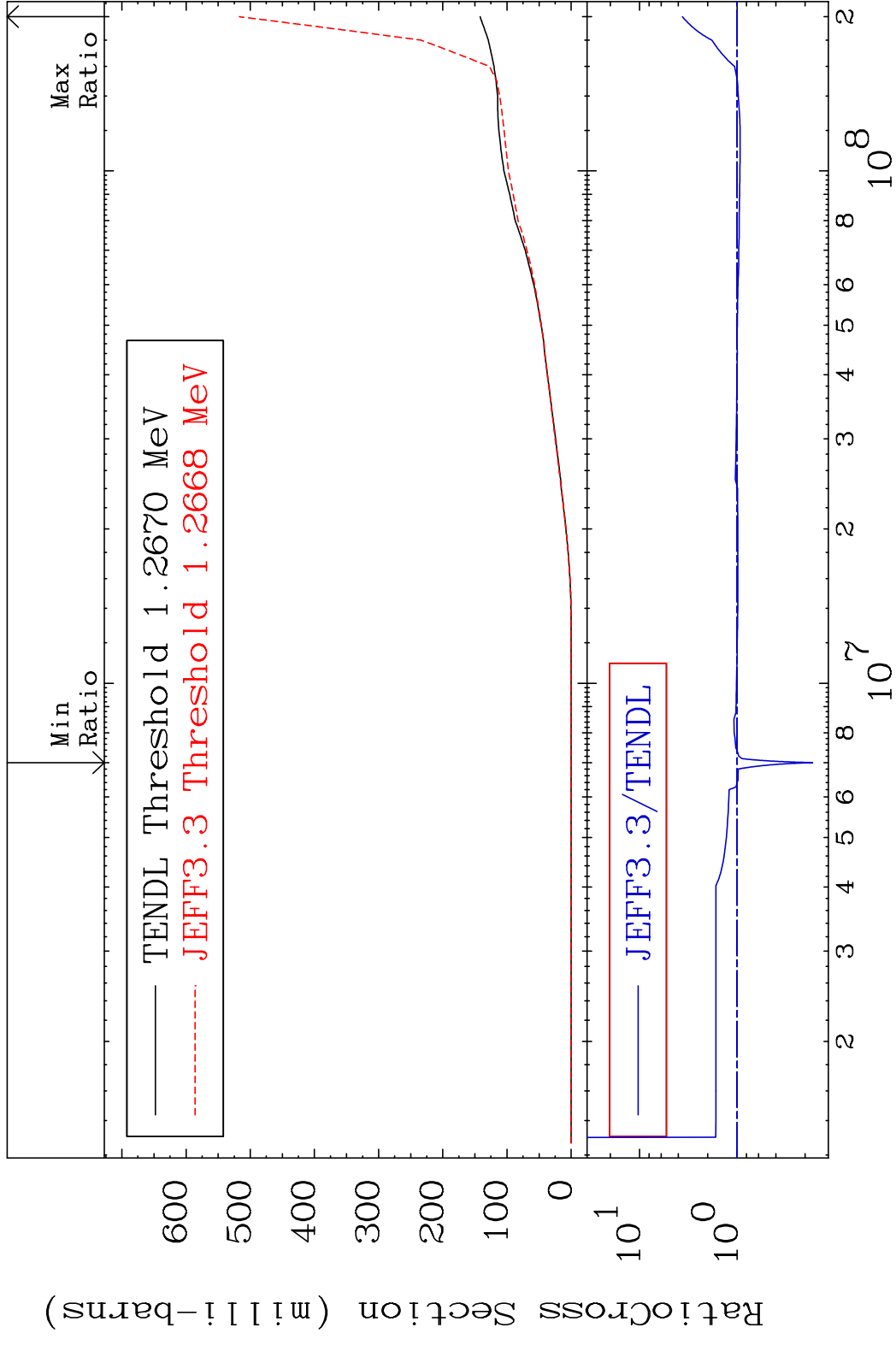


MAT 7828

Deuterium Production

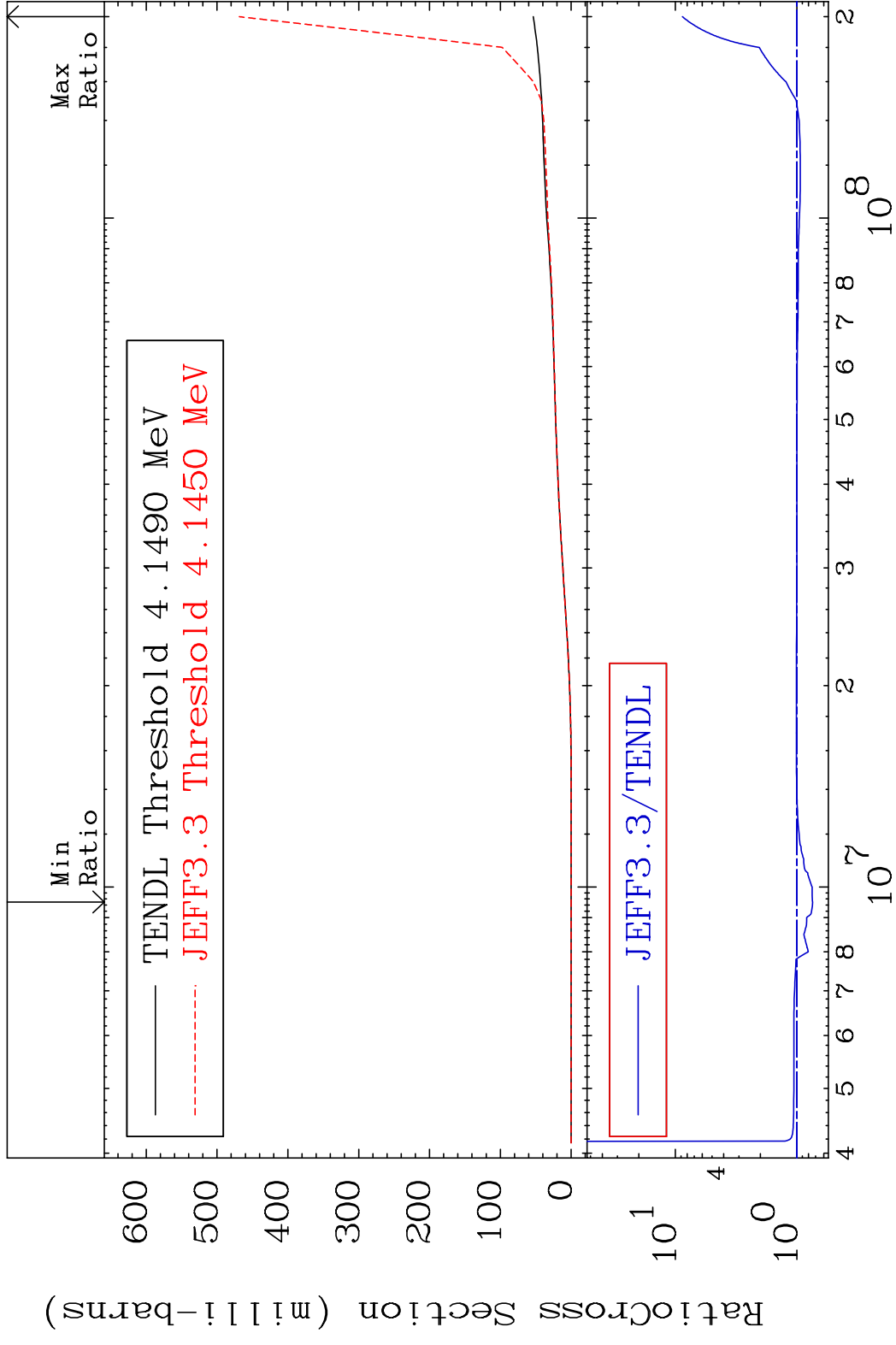
78-Pt-191

Cross Section -83.23 To 264.1 %



MAT 7828

Tritium Production 78-Pt-191
Cross Section -25.77 To 776.1 %

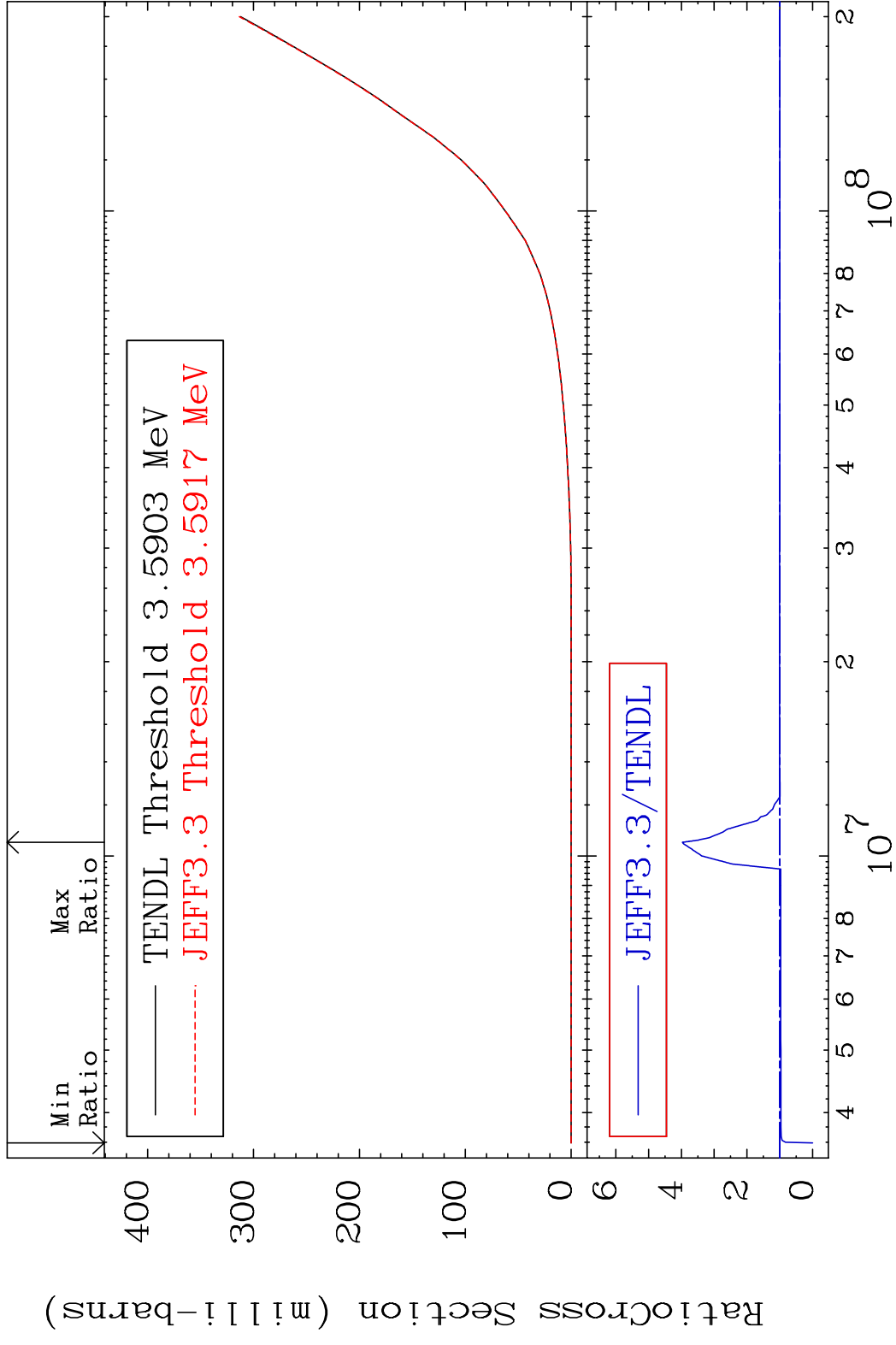


MAT 7828

He-3 Production

78-Pt-191

Cross Section -100.0 To 297.1 %

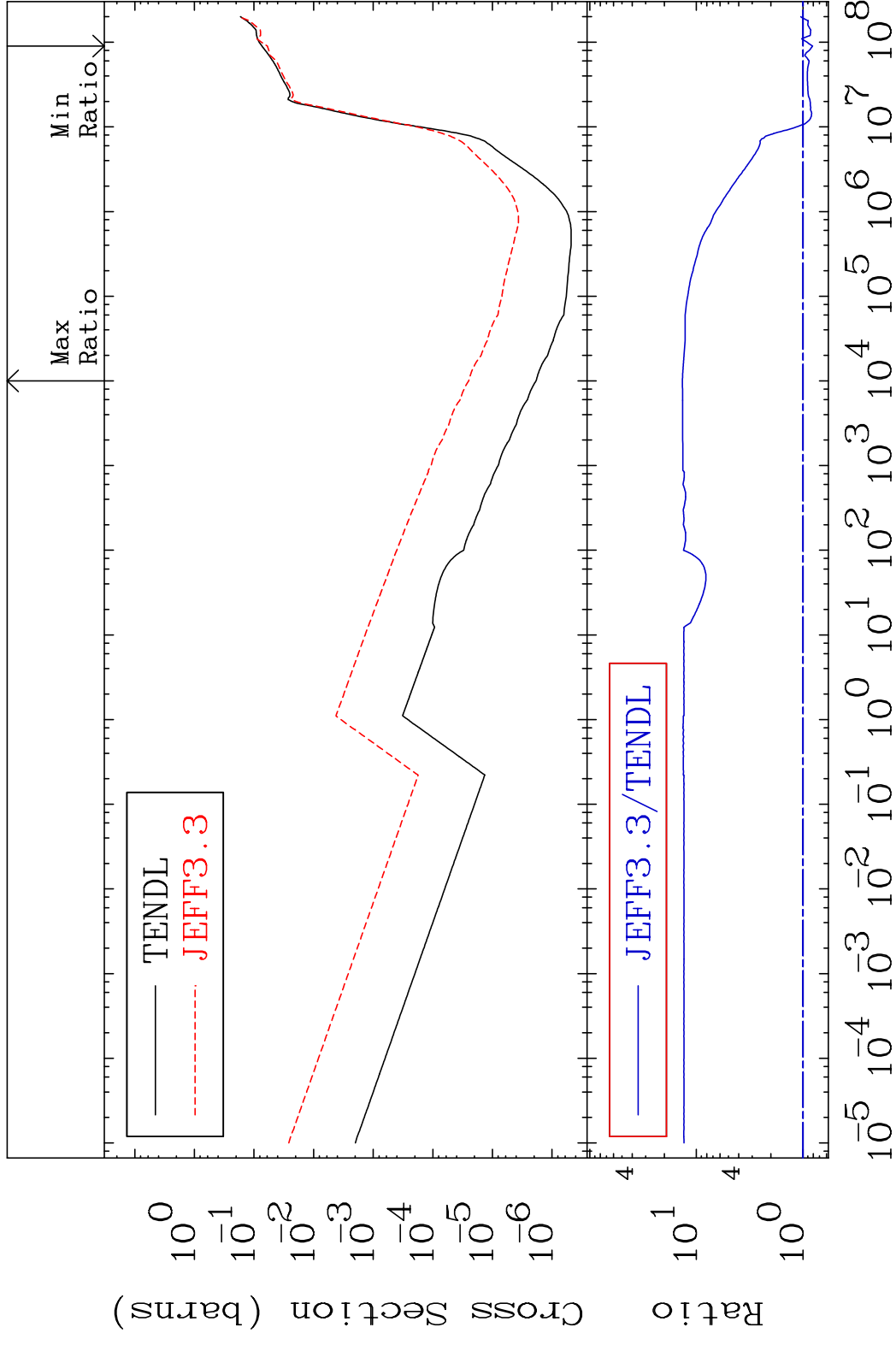


MAT 7828

He-4 Production

78-Pt-191

Cross Section -18.73 To 1255. %

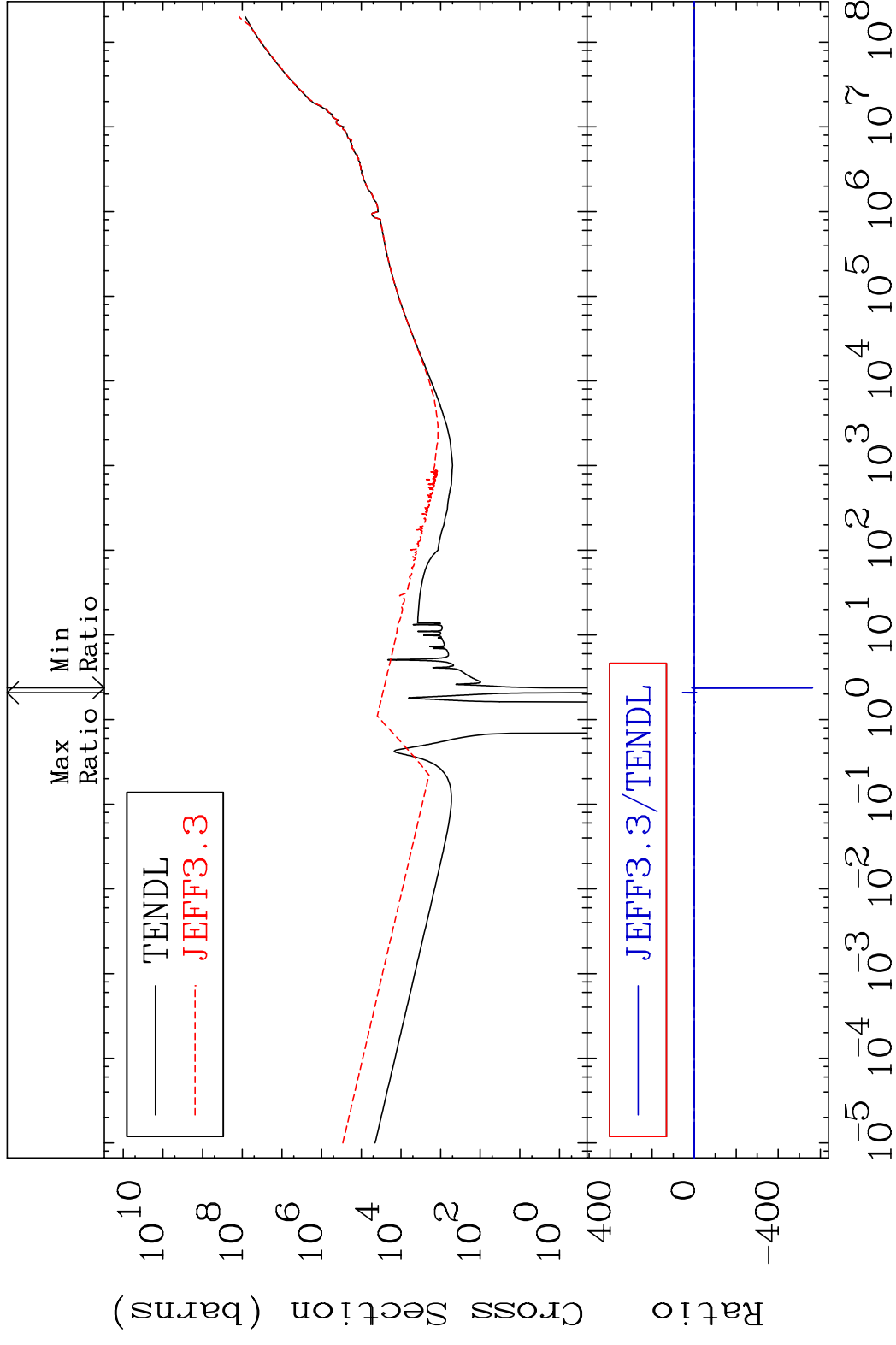


67

Incident Energy (eV)

78-Pt-191

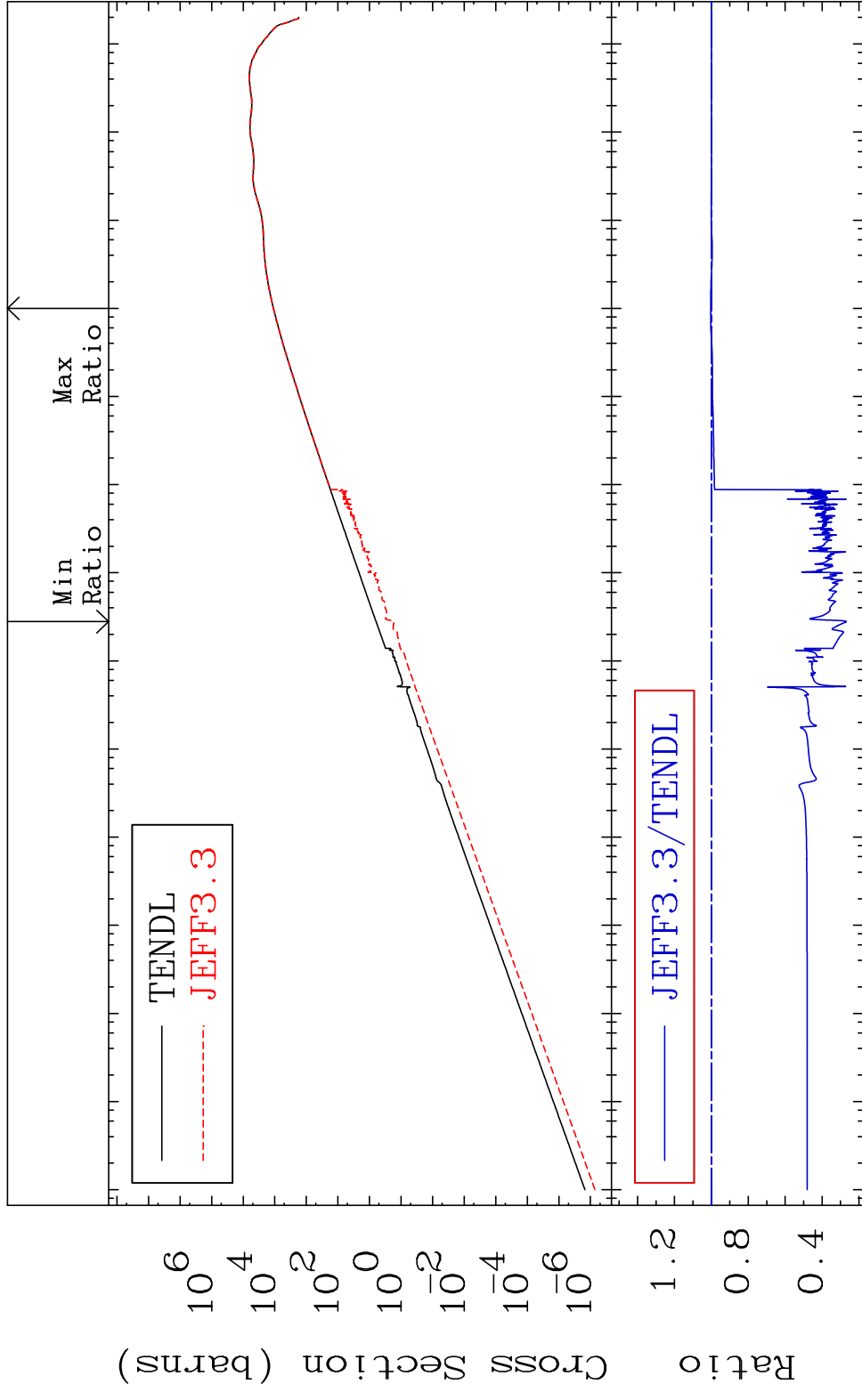
MAT 7828 Kerma total (eV-barns) 78-Pt-191
 Cross Section -9999. To 9999. %



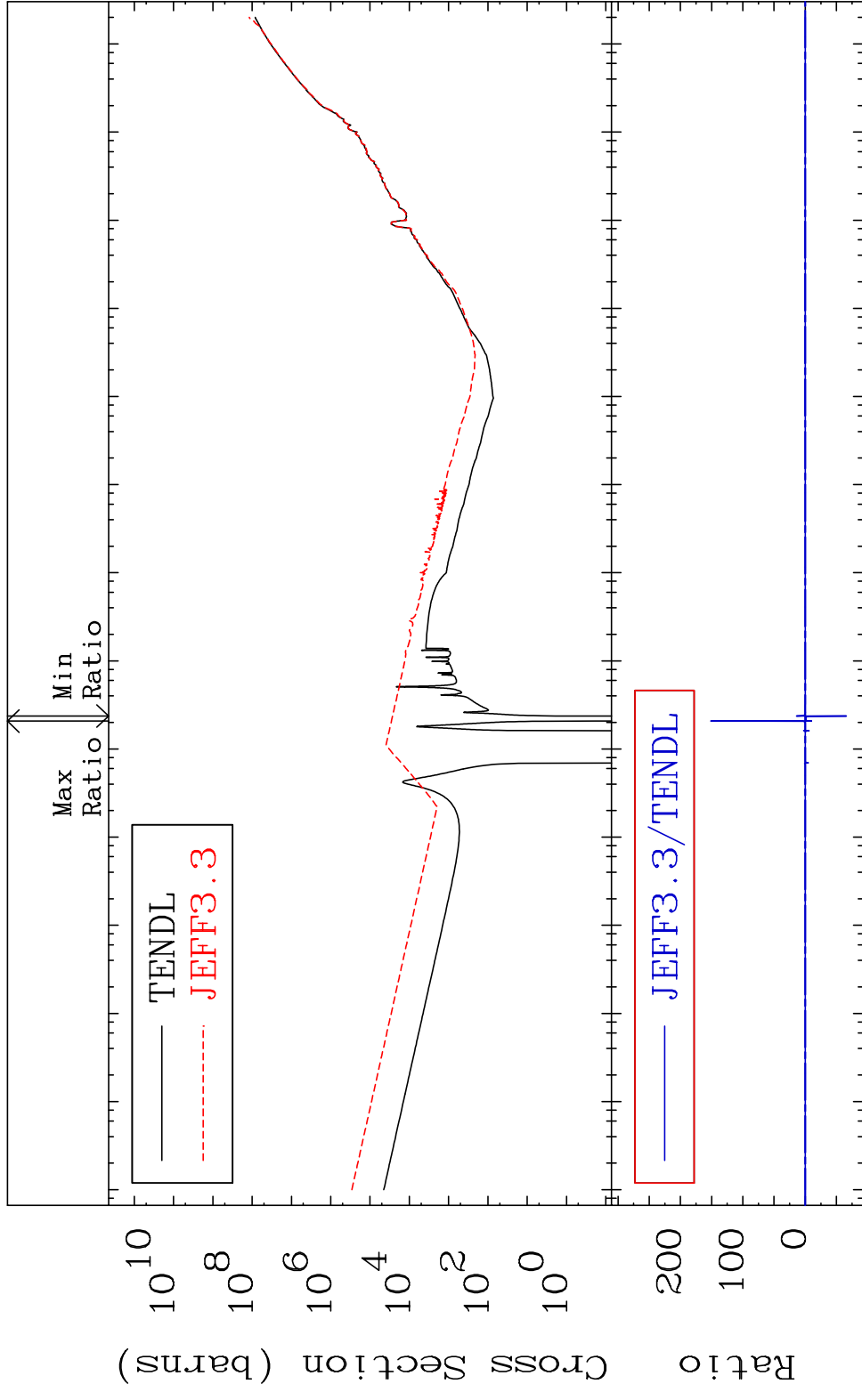
68 Incident Energy (eV) 78-Pt-191

MAT 7828

Kerma elastic Cross Section -73.14 To 0.366 %
78-Pt-191

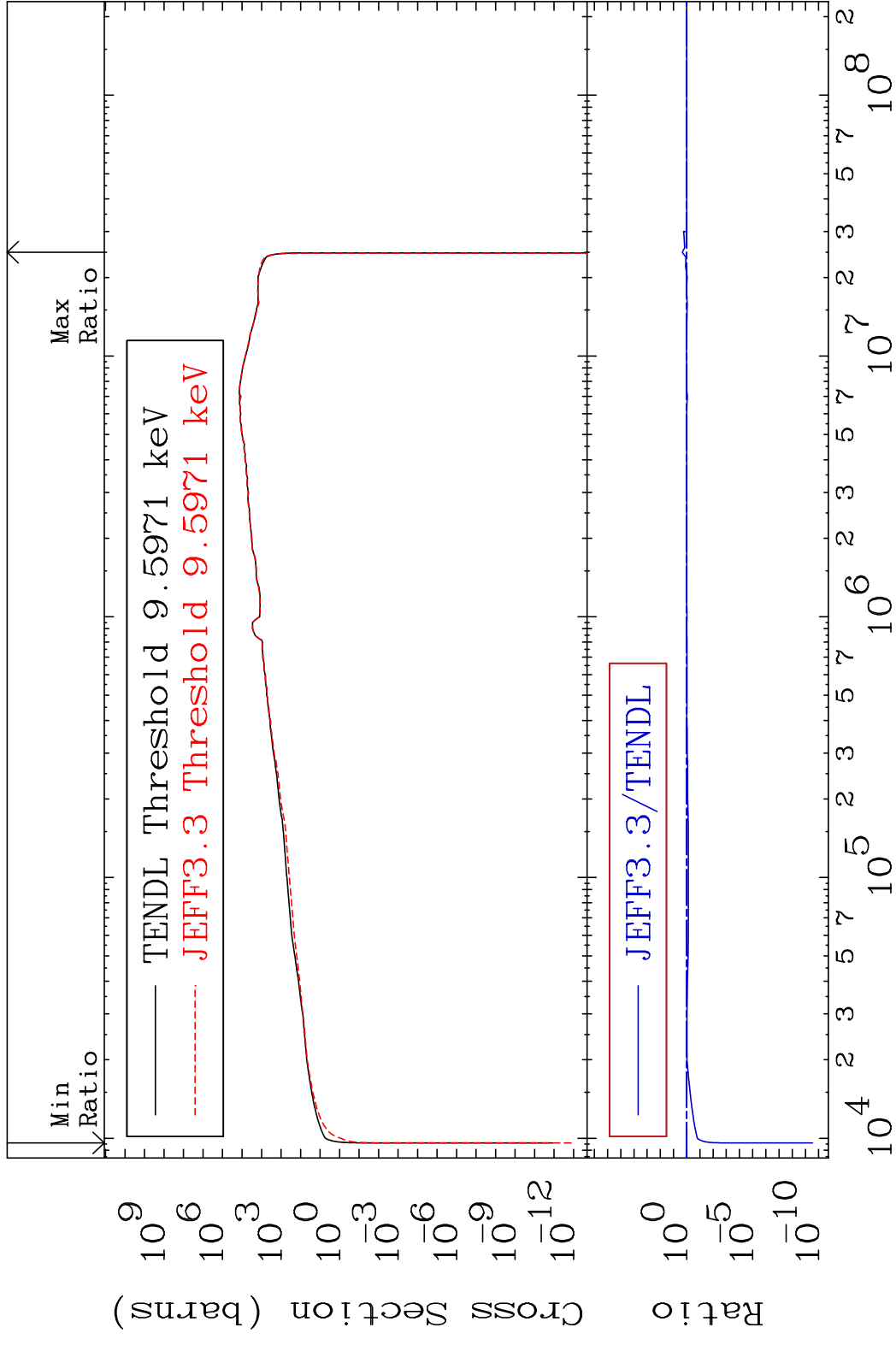


MAT 7828 Kerma non-elastic (all but mt2) 78-Pt-191
 Cross Section -9999. To 9999. %

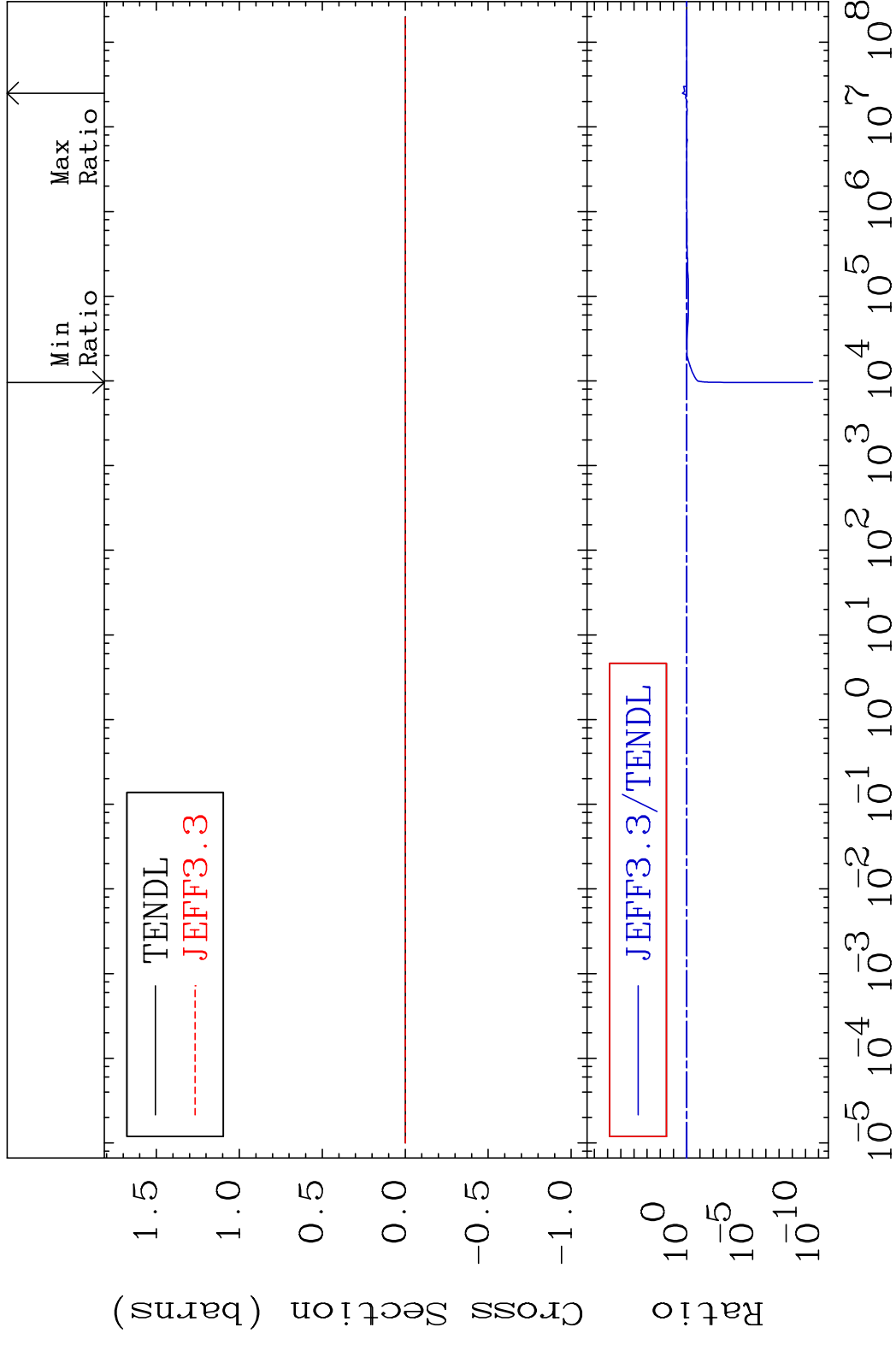


70 Incident Energy (eV) 78-Pt-191

MAT 7828 Kerma inelastic (mt51-91) 78-Pt-191
 Cross Section -100.0 To 113.6 %



MAT 7828 Kerma fission (mt18 or mt19-20-21-38)78-Pt-191
 Cross Section -100.0 To 113.6 %

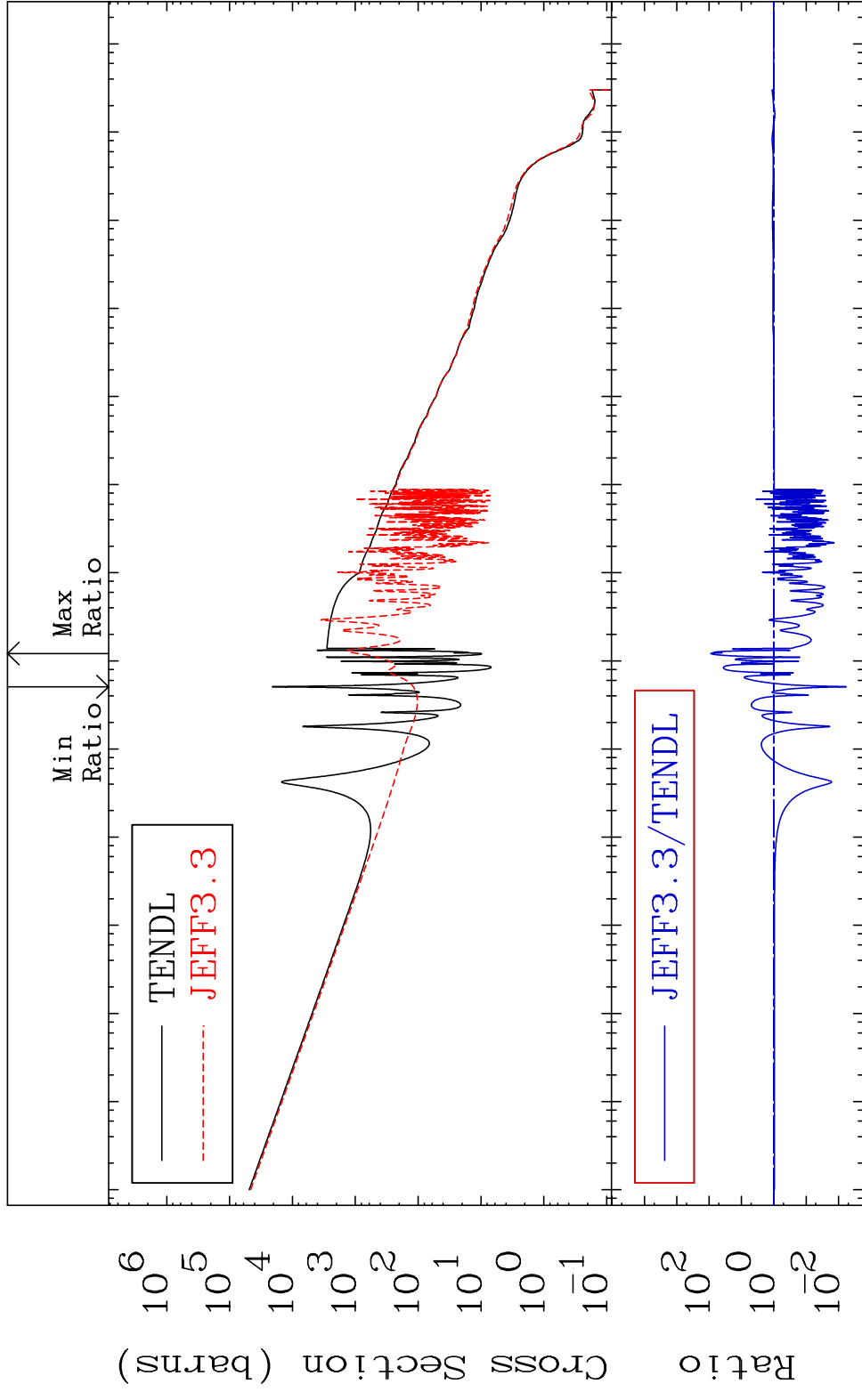


MAT 7828

Kerma capture (mt102)

78-Pt-191

Cross Section -99.43 To 8799. %

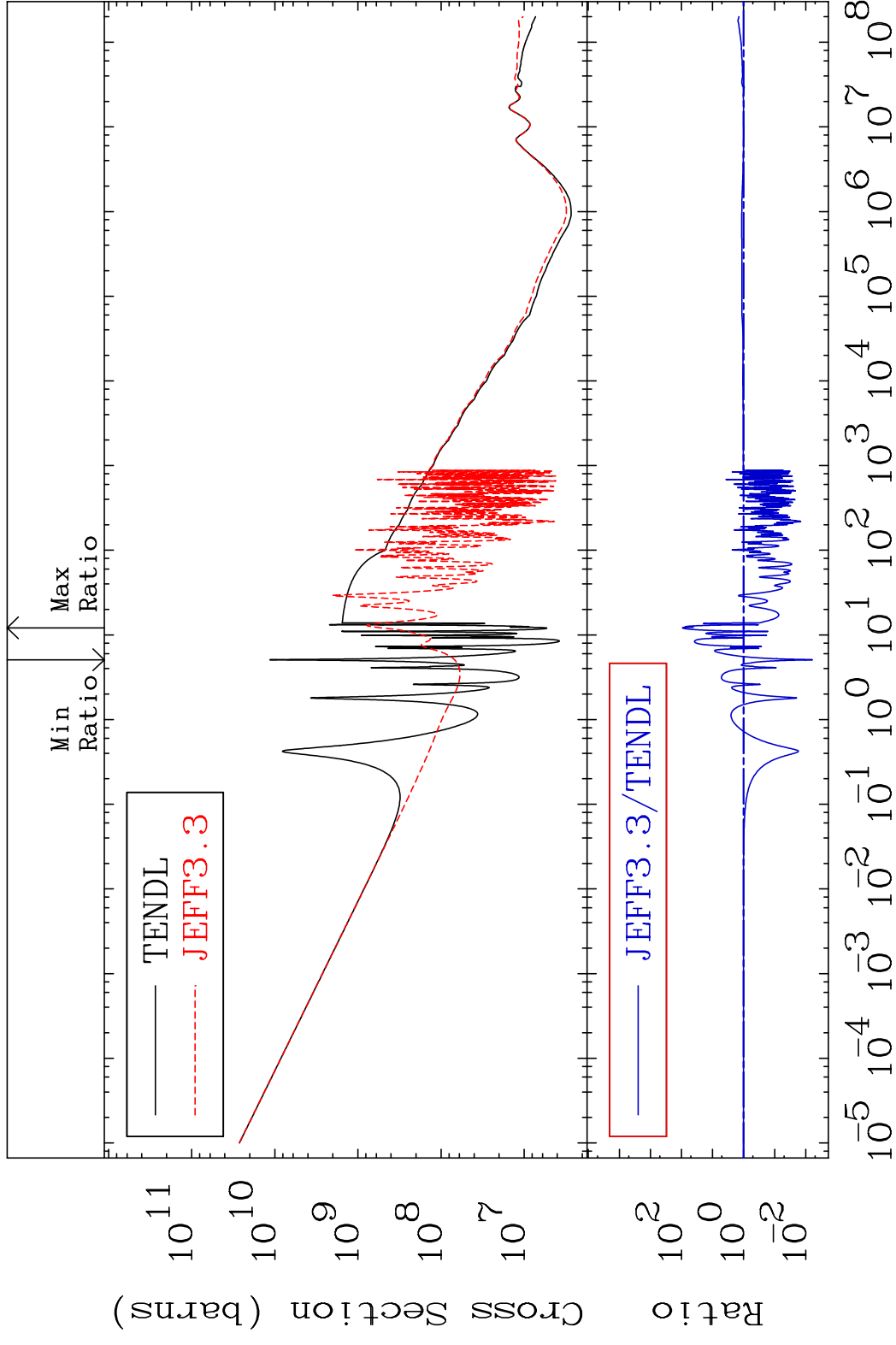


73

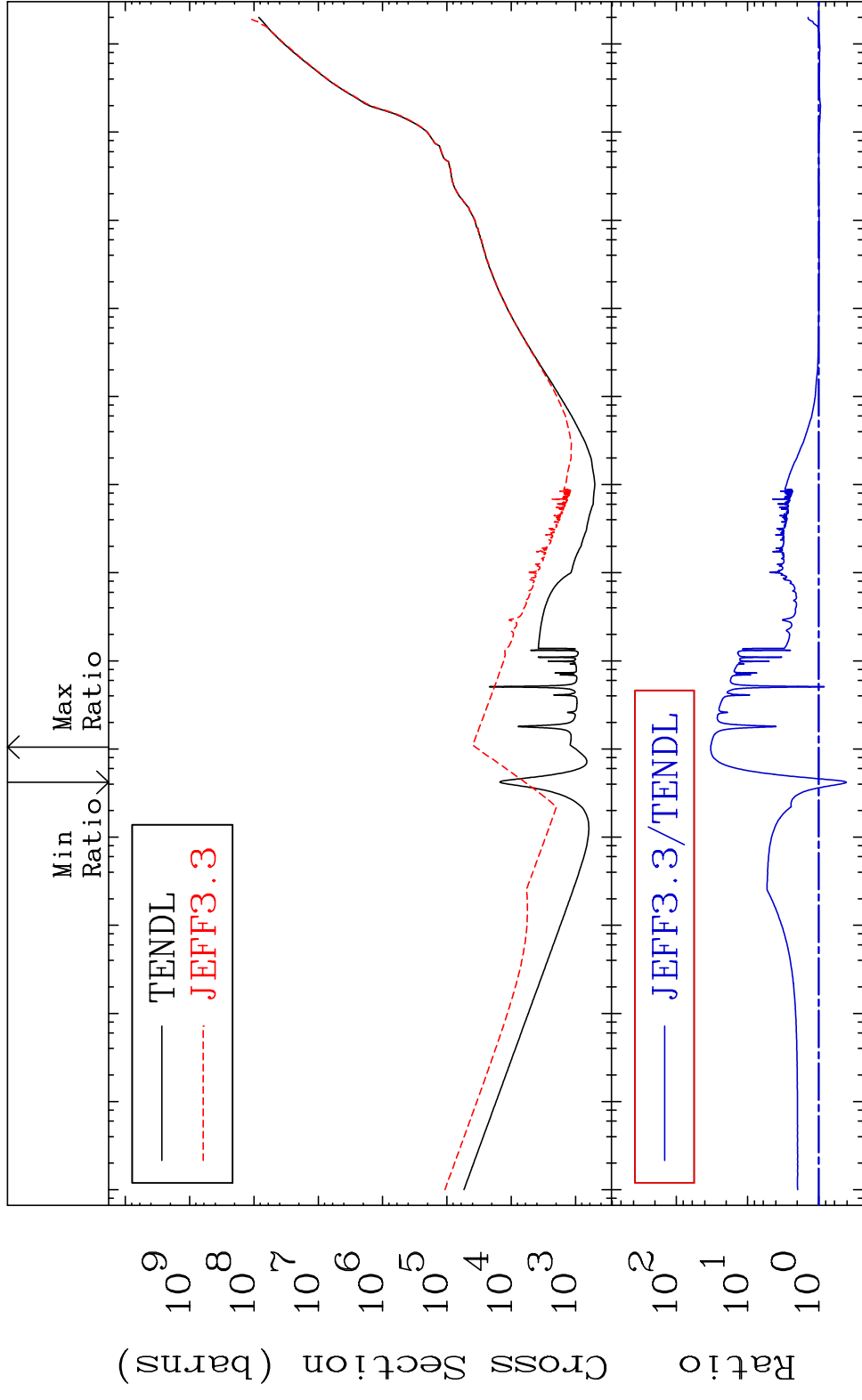
Incident Energy (eV)

78-Pt-191

MAT 7828 Total photon (eV-barns) 78-Pt-191
 Cross Section -99.40 To 9265. %



MAT 7828 Total kinematic kerma (high limit) 78-Pt-191
 Cross Section -59.09 To 3195. %



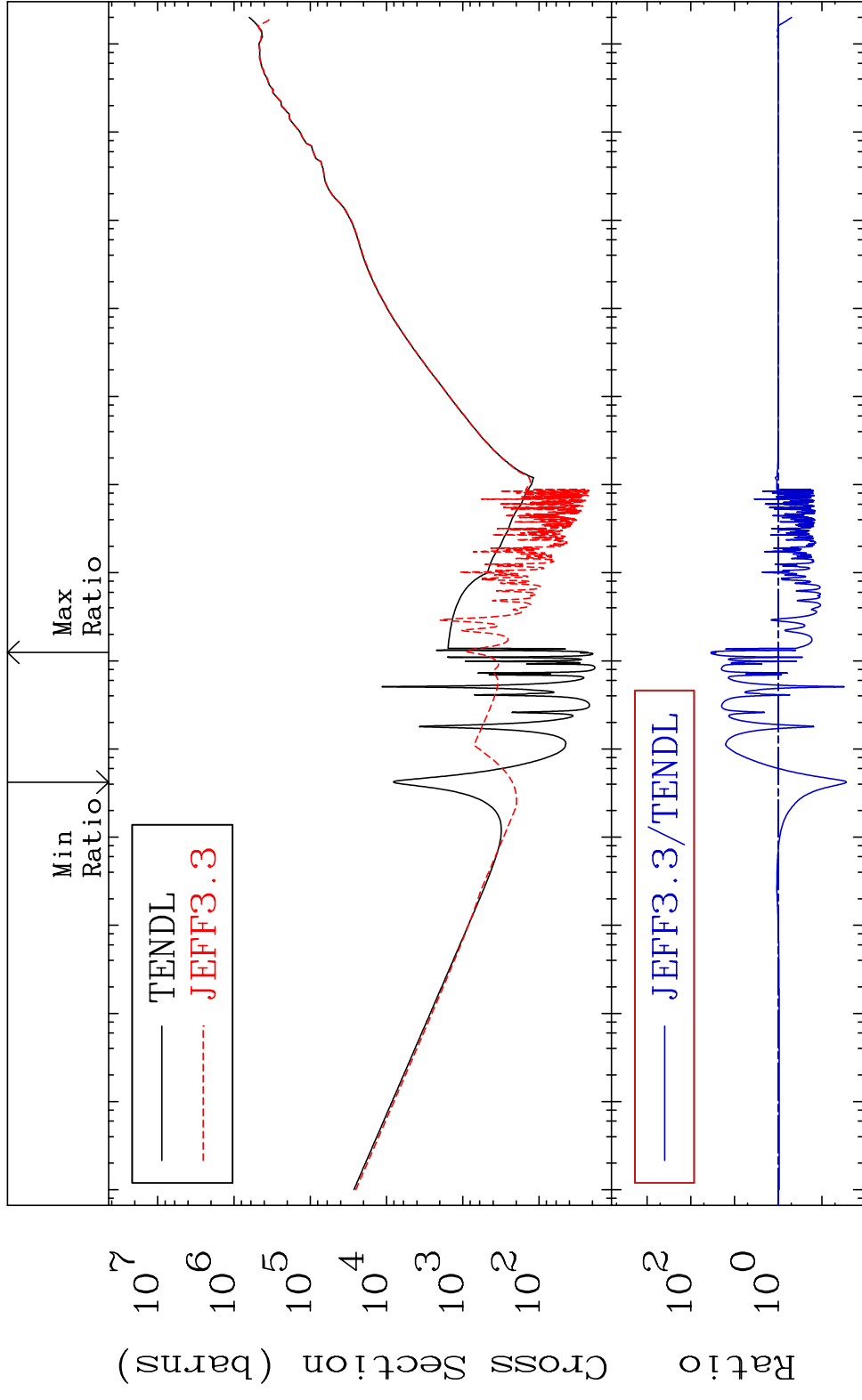
75 Incident Energy (eV) 78-Pt-191

MAT 7828

Dpa total (eV-barns)

78-Pt-191

Cross Section -97.24 To 3386. %



76

Incident Energy (eV)

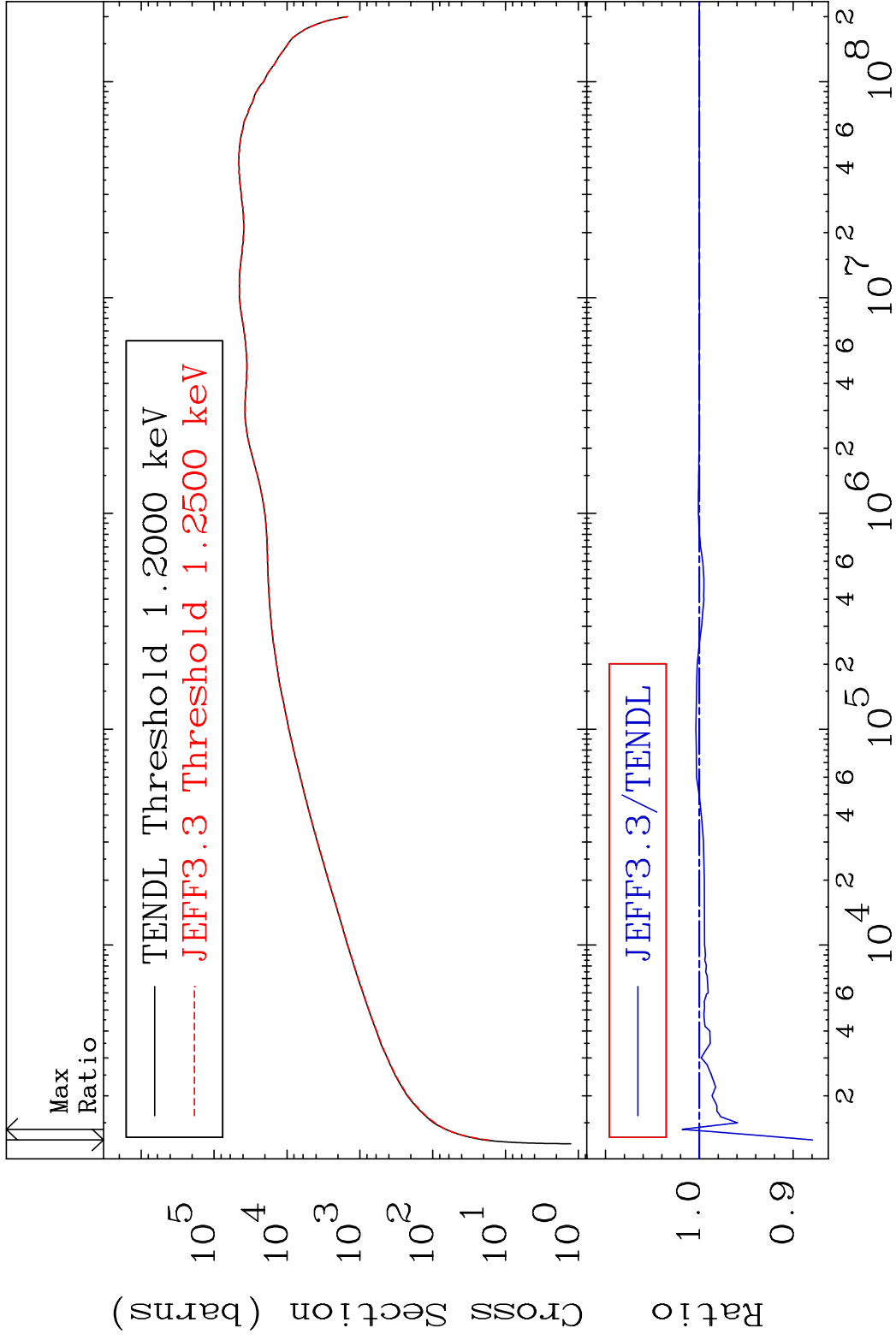
78-Pt-191

MAT 7828

Dpa elastic (mt2)

78-Pt-191

Cross Section -12.05 To 1.839 %



77

Incident Energy (eV)

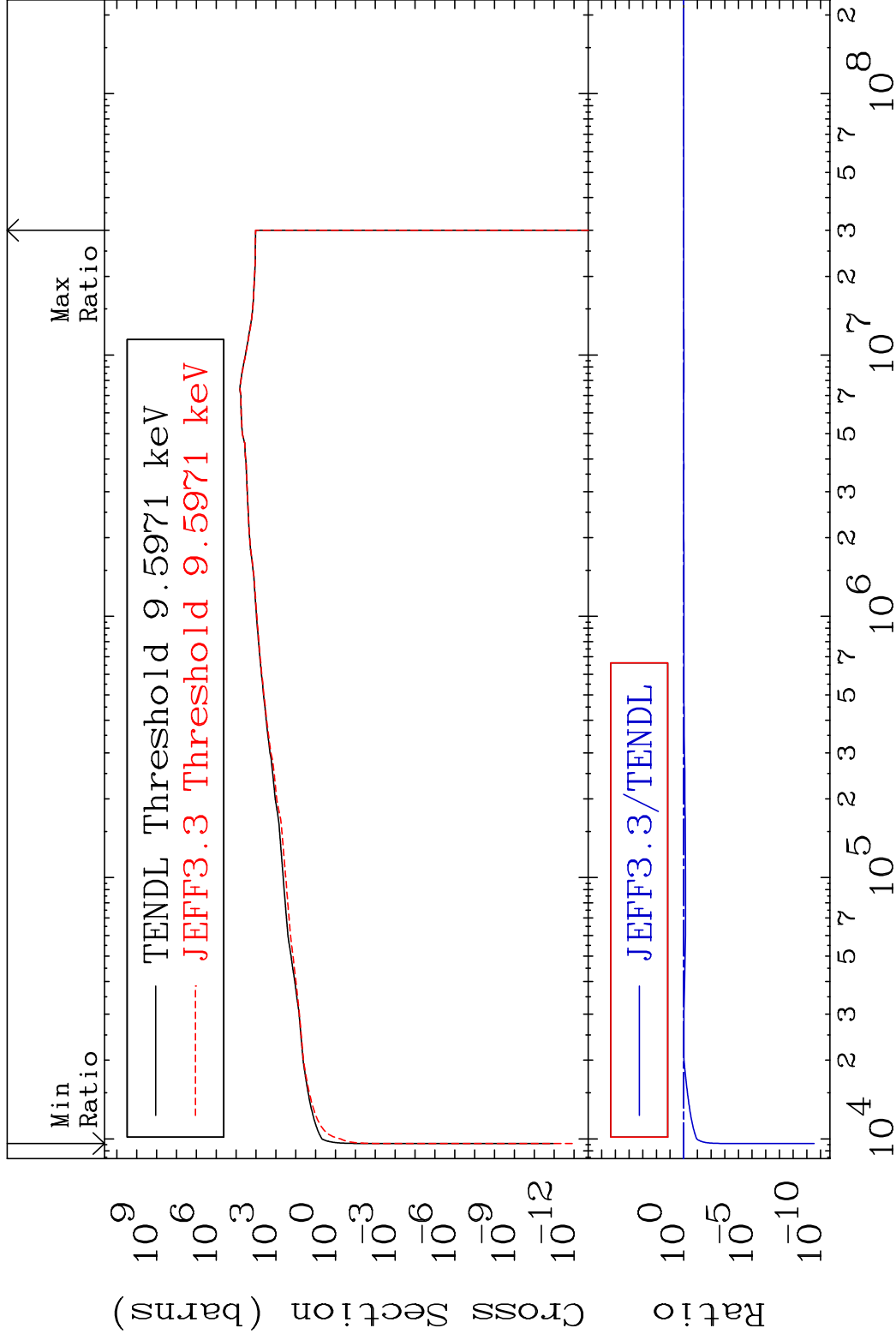
78-Pt-191

MAT 7828

Dpa inelastic (mt51-91)

78-Pt-191

Cross Section -100.0 To 1.464 %

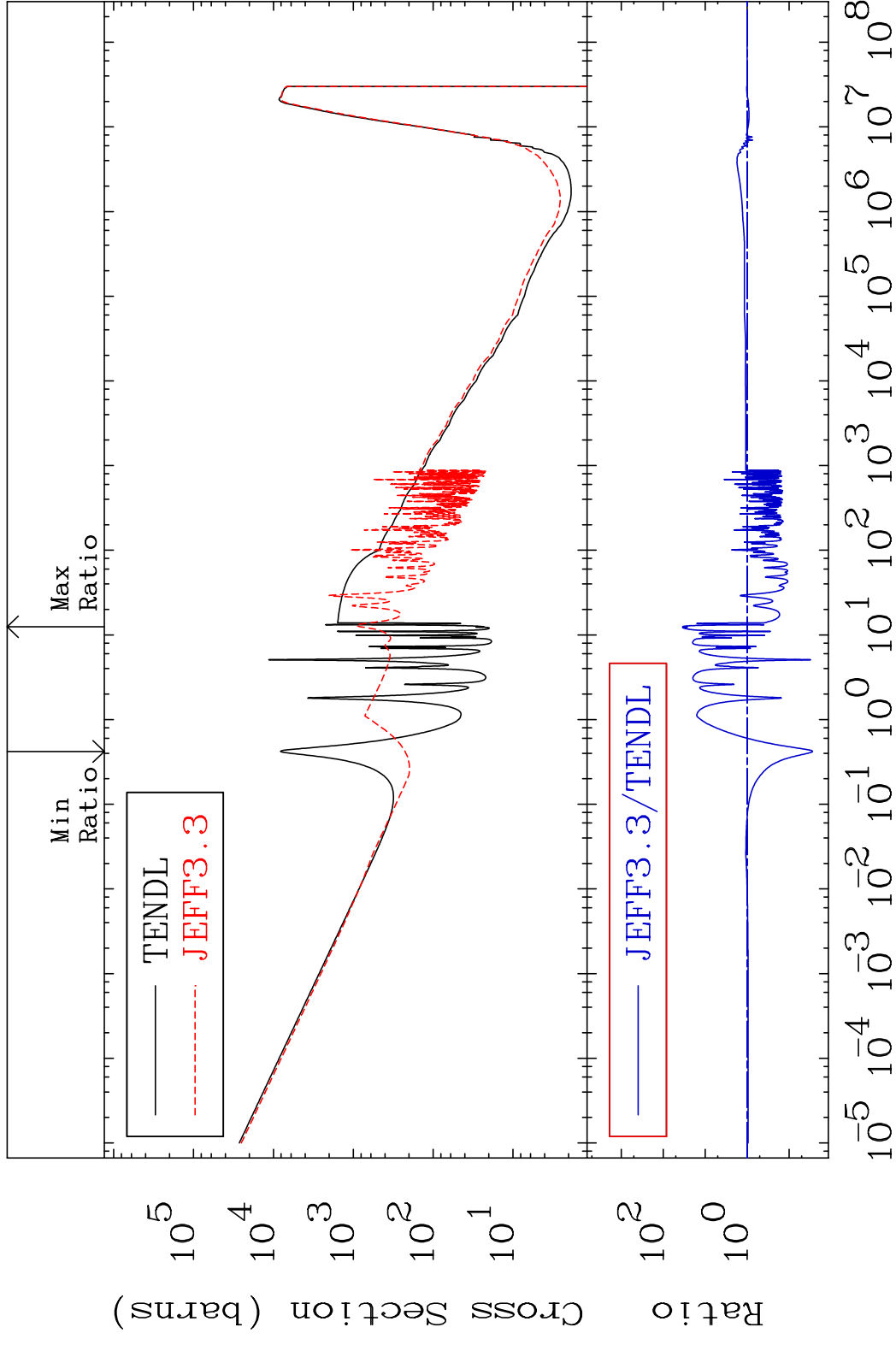


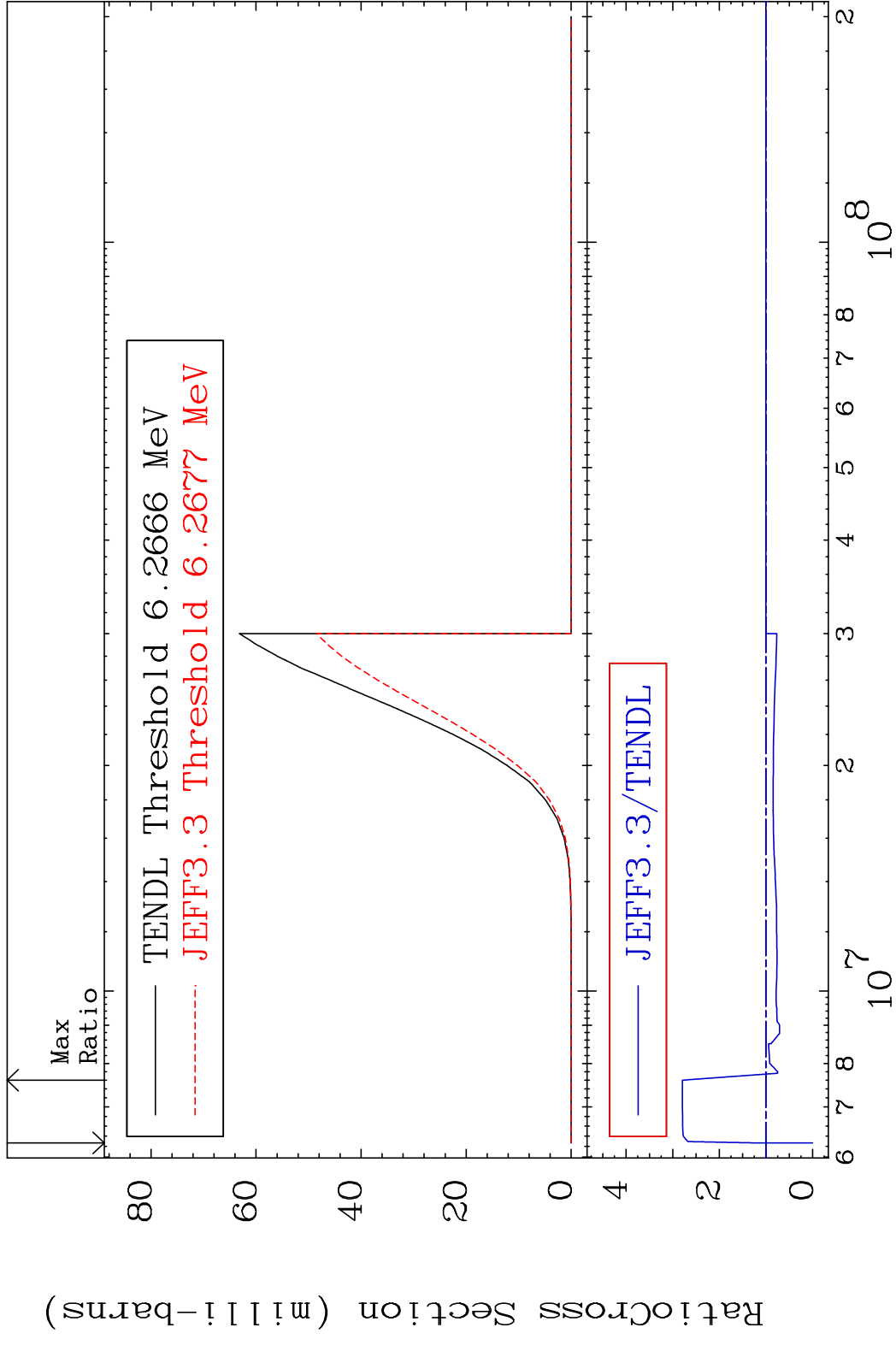
78

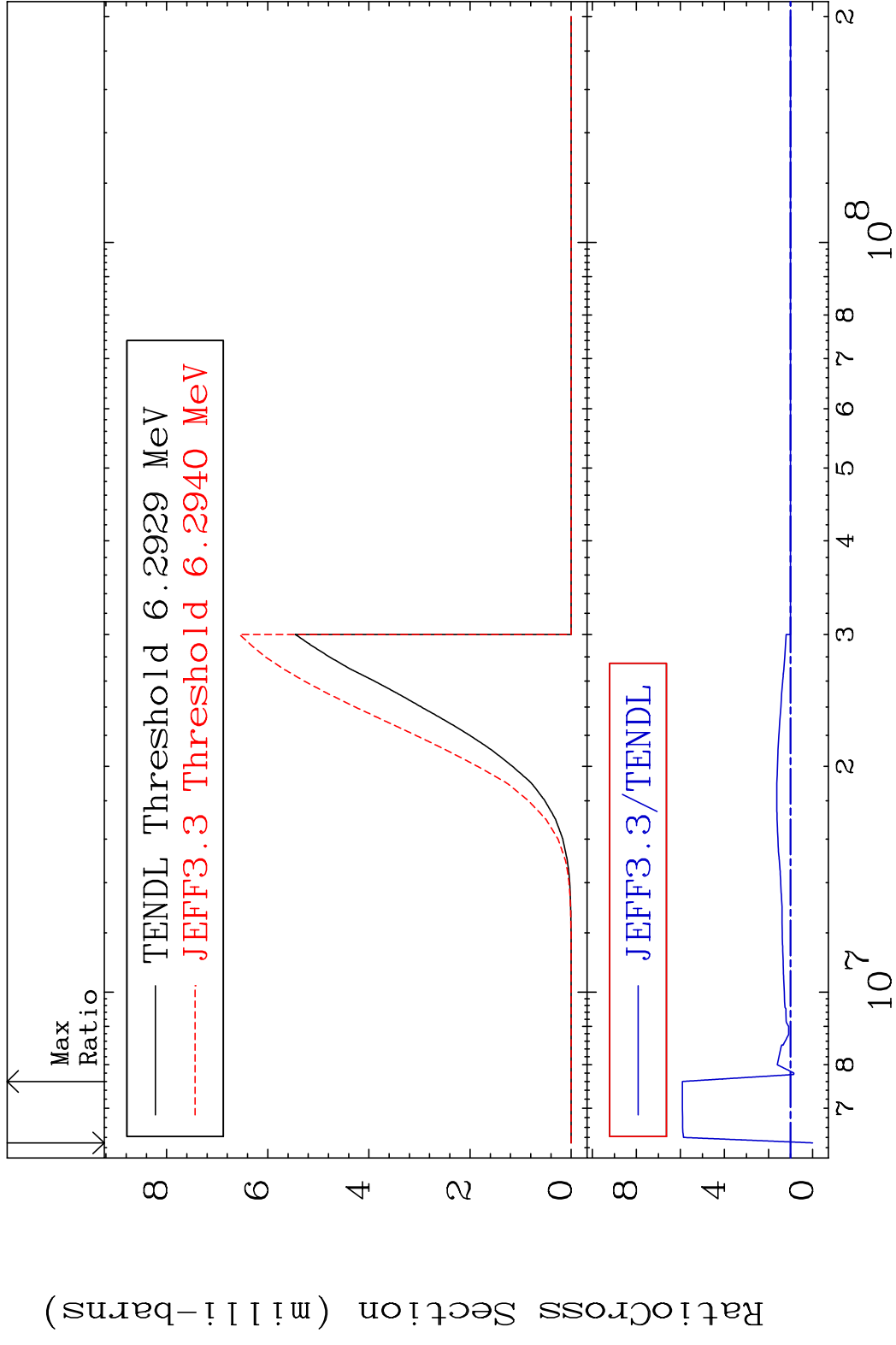
Incident Energy (eV)

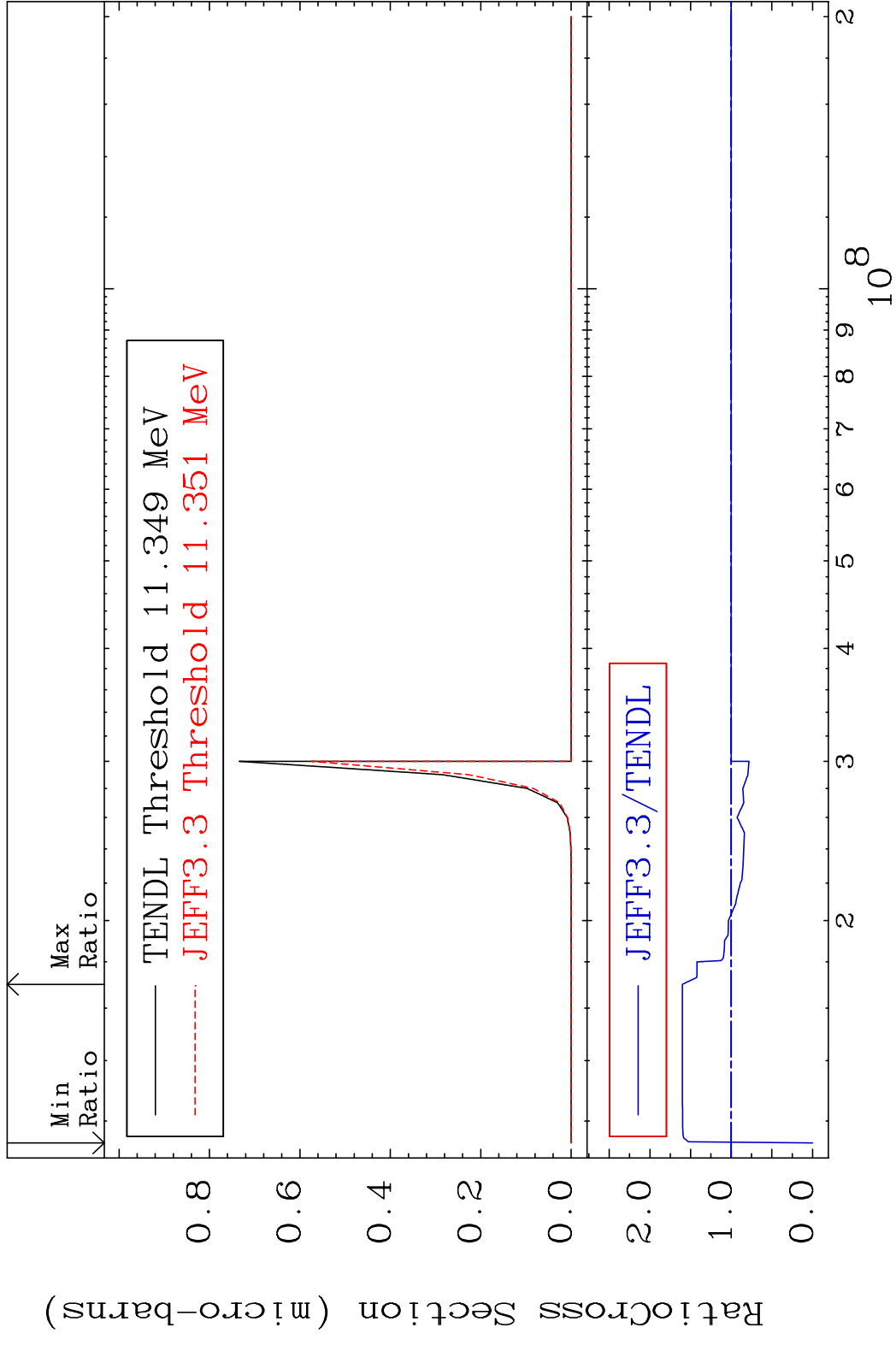
78-Pt-191

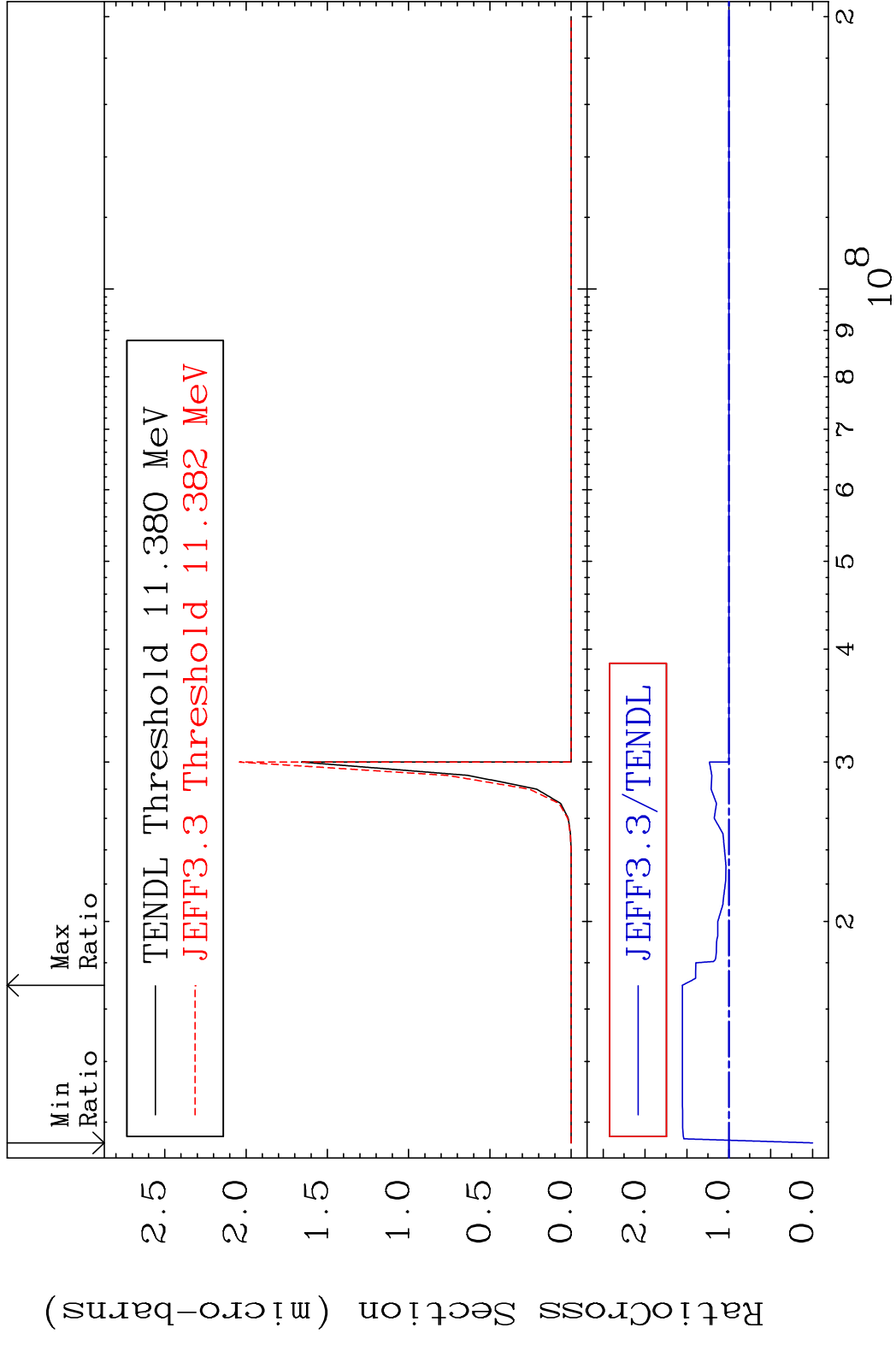
MAT 7828 Dpa disappearance (mt102 -120) 78-Pt-191
 Cross Section -97.24 To 3386. %

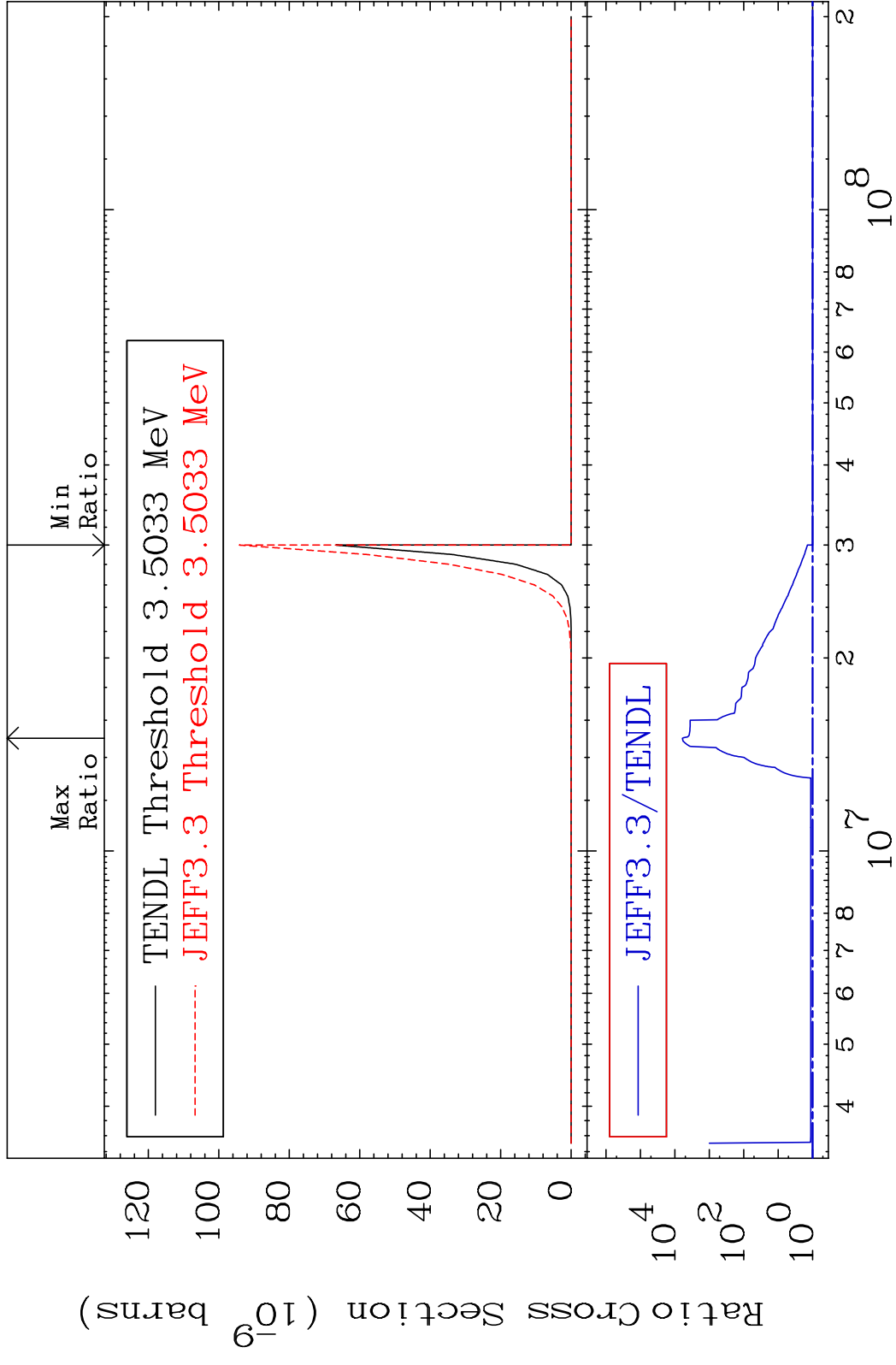


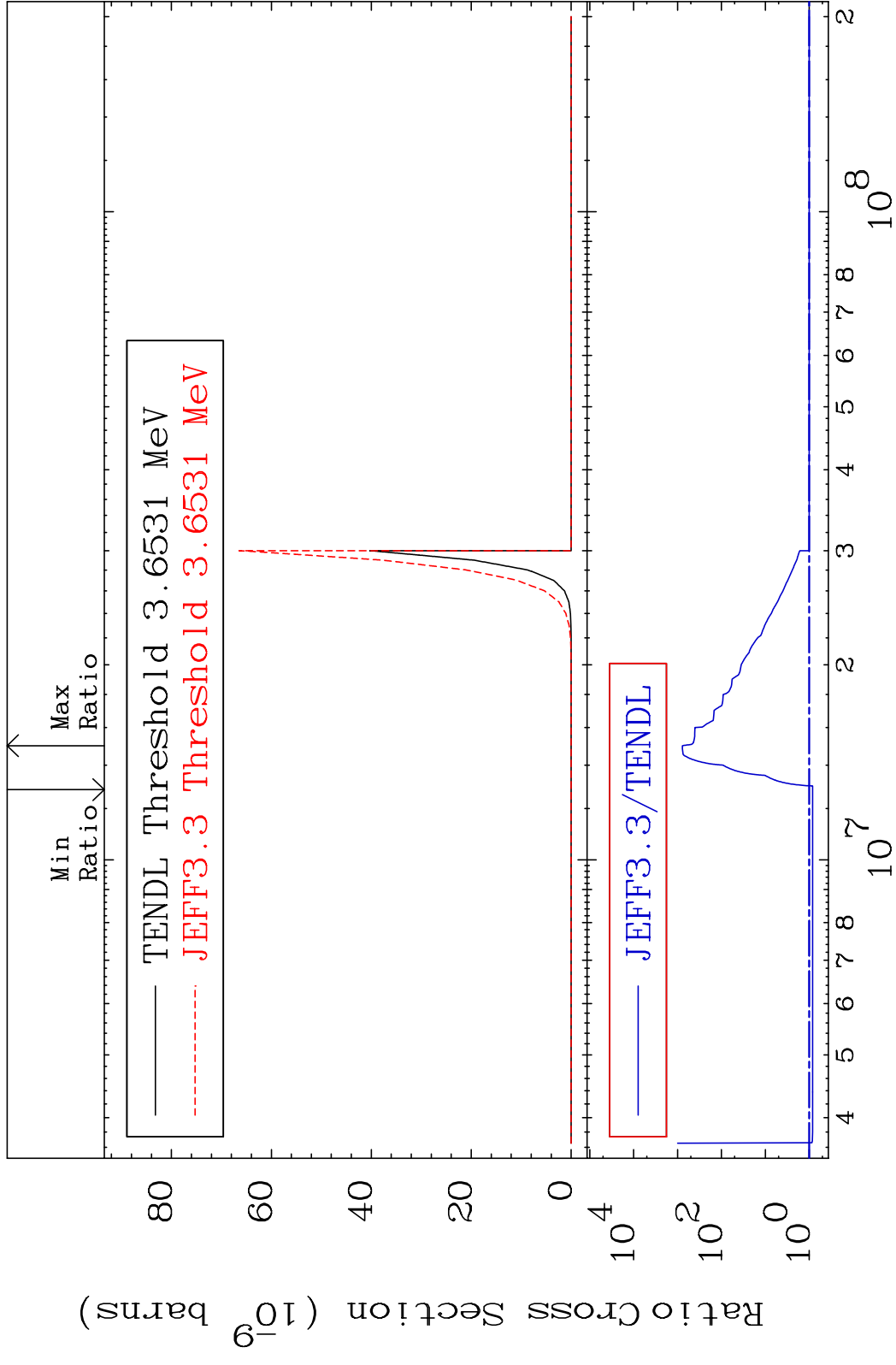




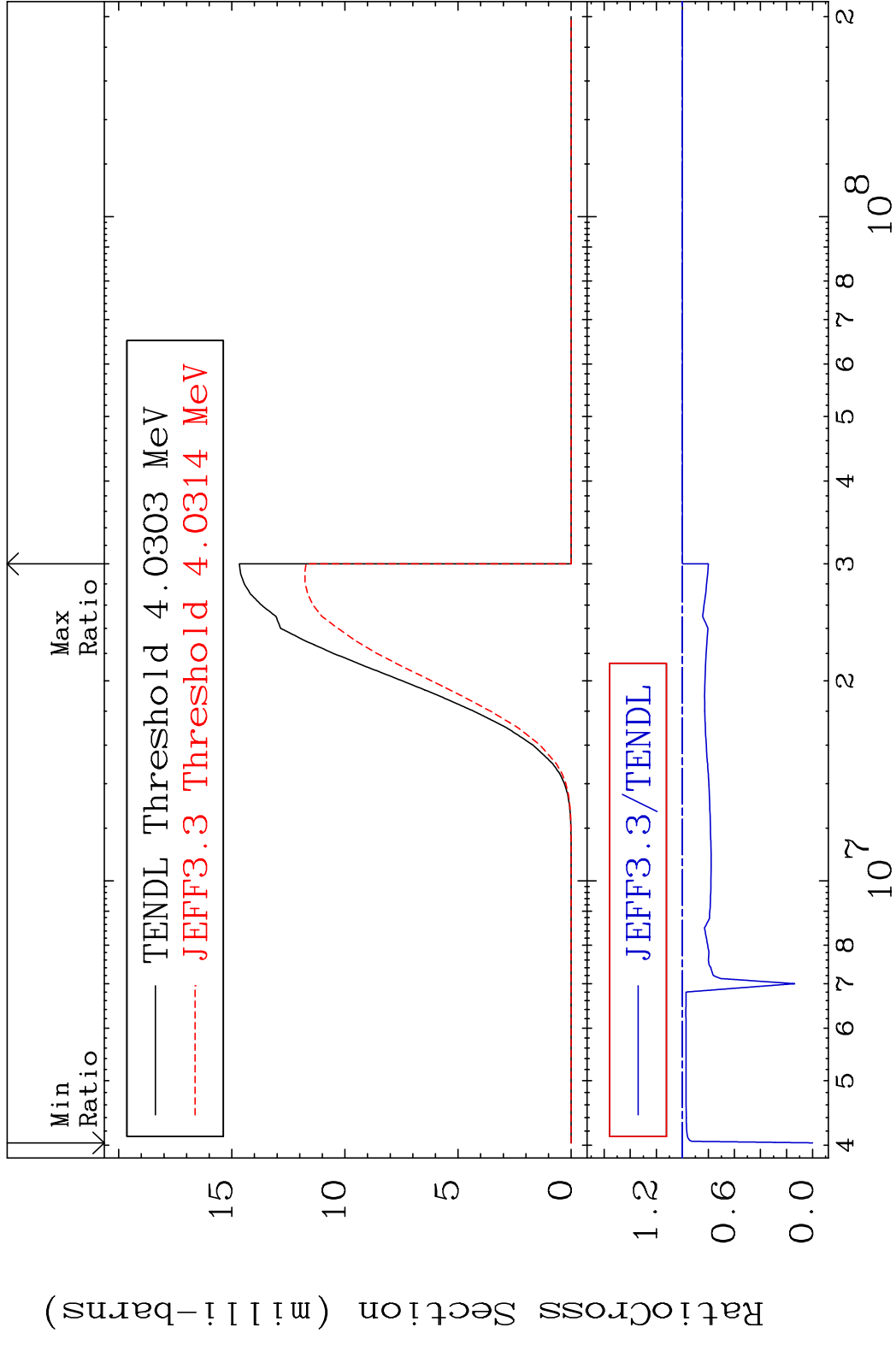




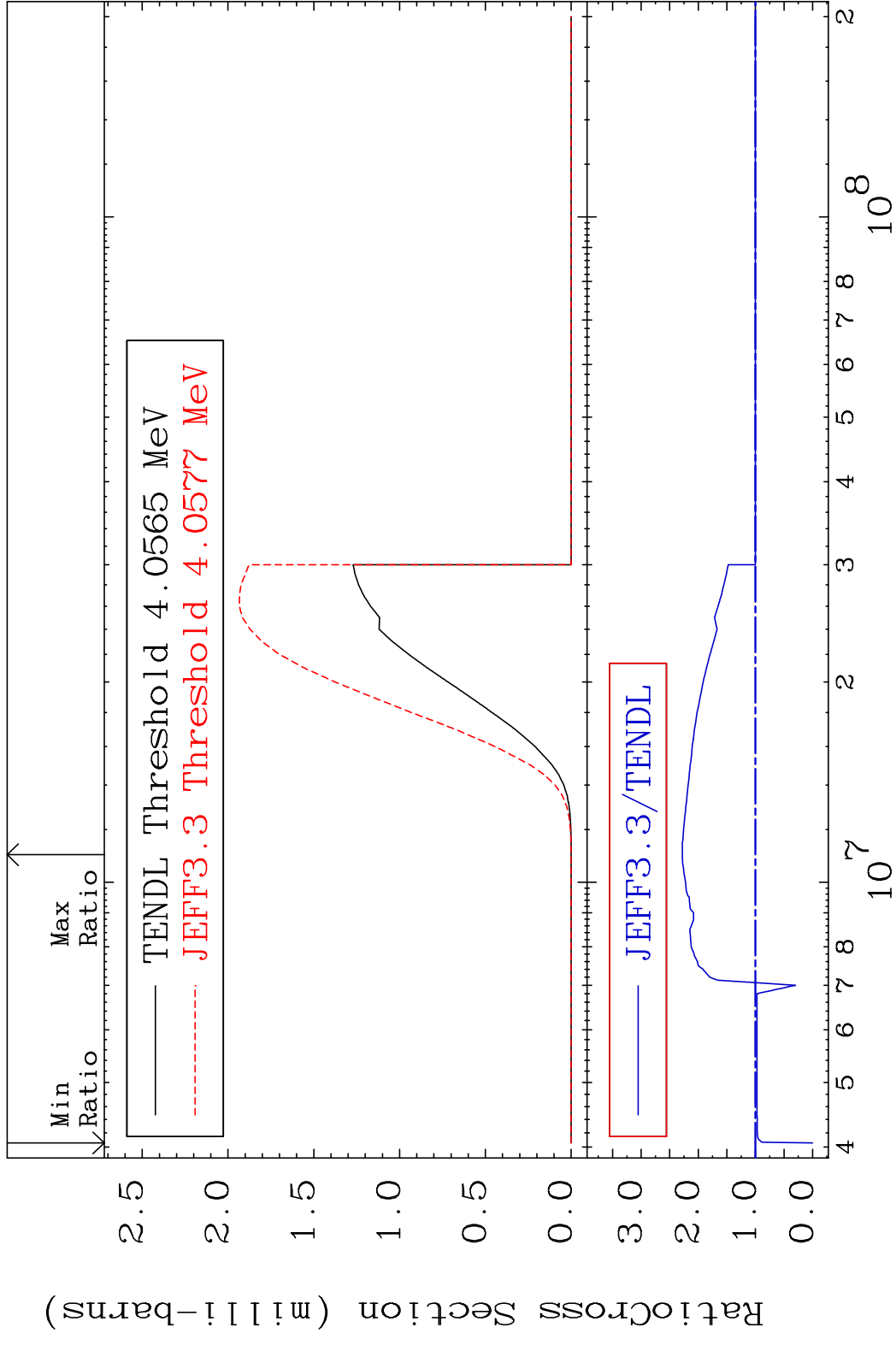


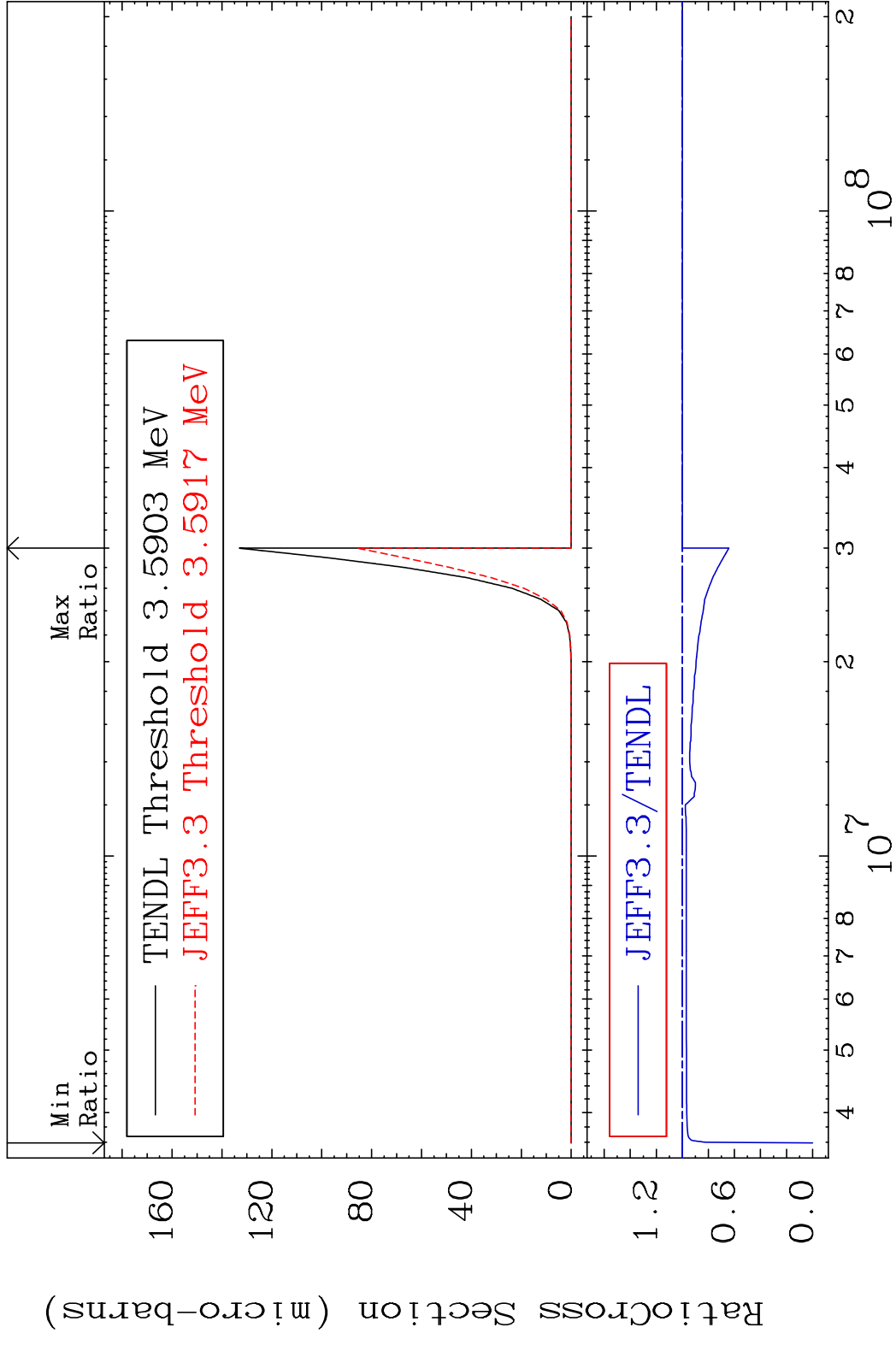


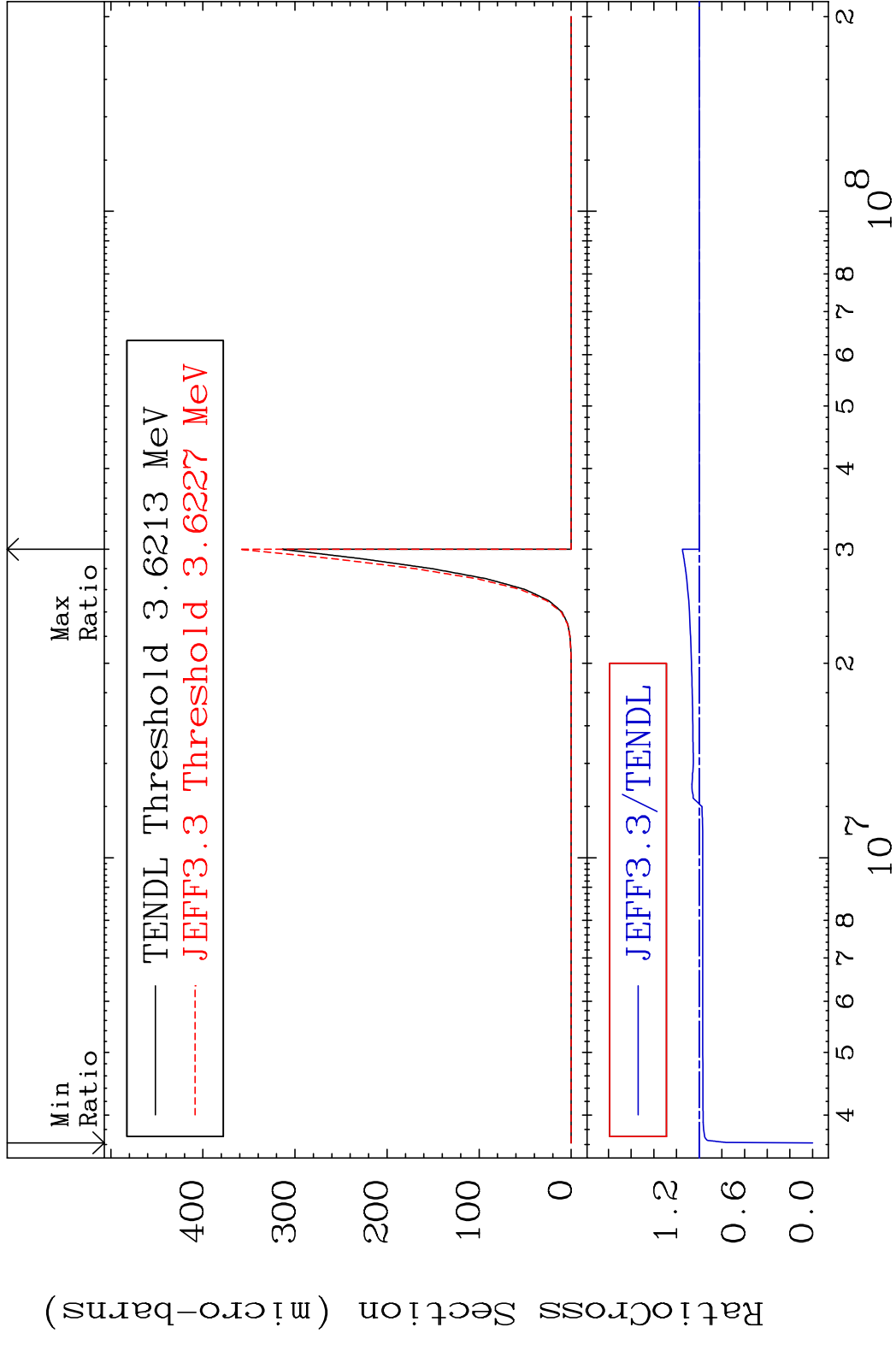
MAT 7828 (n,d):77-Ir-190g 78-Pt-191
 Radionuclide Production Cross Section 180.01 dth 0.000 %



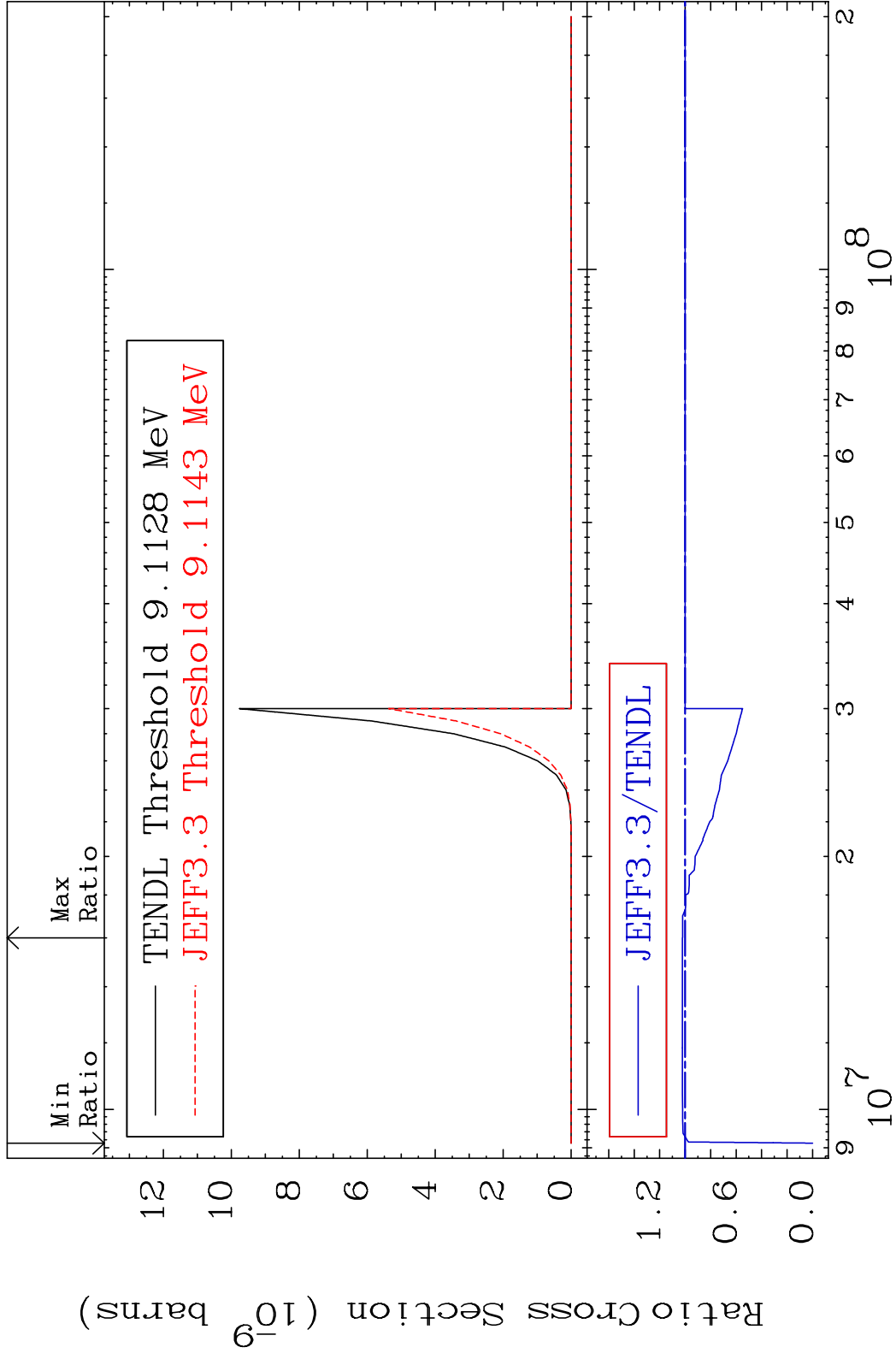
MAT 7828 (n,d):77-Ir-190m2 78-Pt-191
 Radionuclide Production Cross Section 180.0 dth 127.9 %







MAT 7828 (n,p) d:76-Os-189g 78-Pt-191
 Radionuclide Production Cross Section Ratio 2.203 %



90 Incident Energy (eV) 78-Pt-191

