

Program Complot
(Version 2018-1)

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

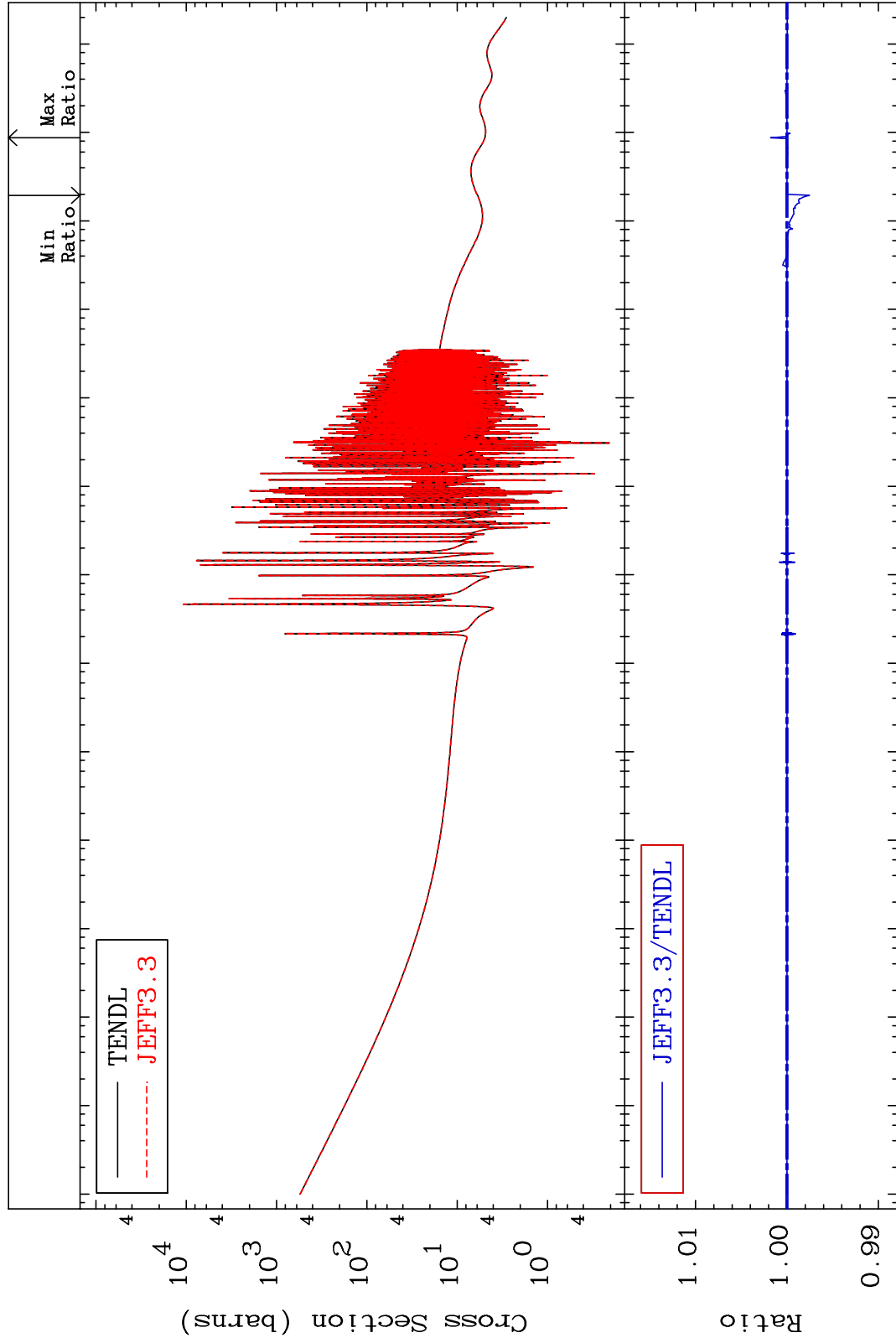
MAT 7831

Total

78-Pt-192

Cross Section

-0.247 To 0.178 %



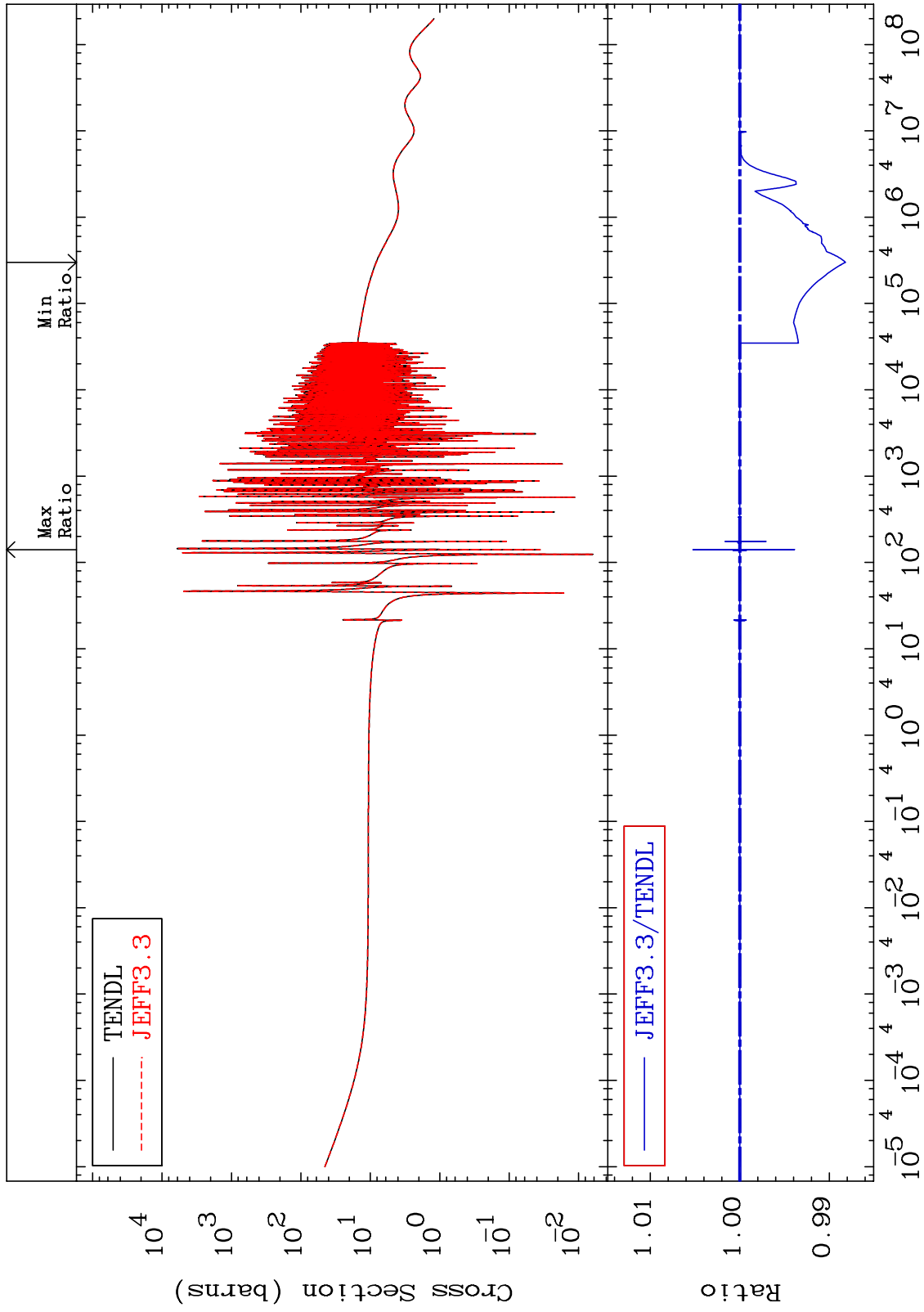
Incident Energy (eV)

78-Pt-192

MAT 7831

Elastic
Cross Section

78-Pt-192
-1.181 To 0.524 %

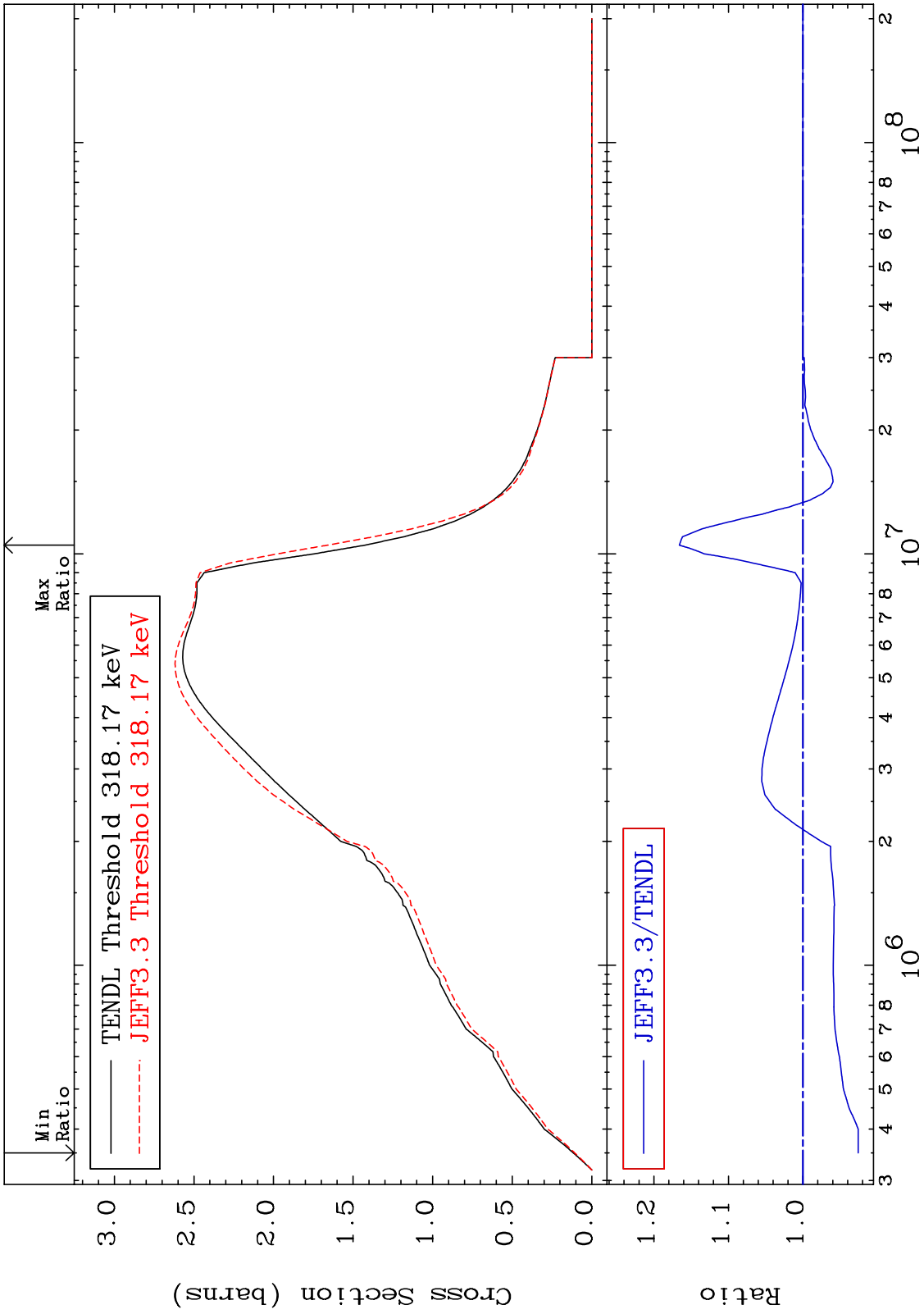


MAT 7831

Inelastic
Cross Section

78-Pt-192

-7.421 To 16.58 %



3

Incident Energy (eV)

78-Pt-192

MAT 7831

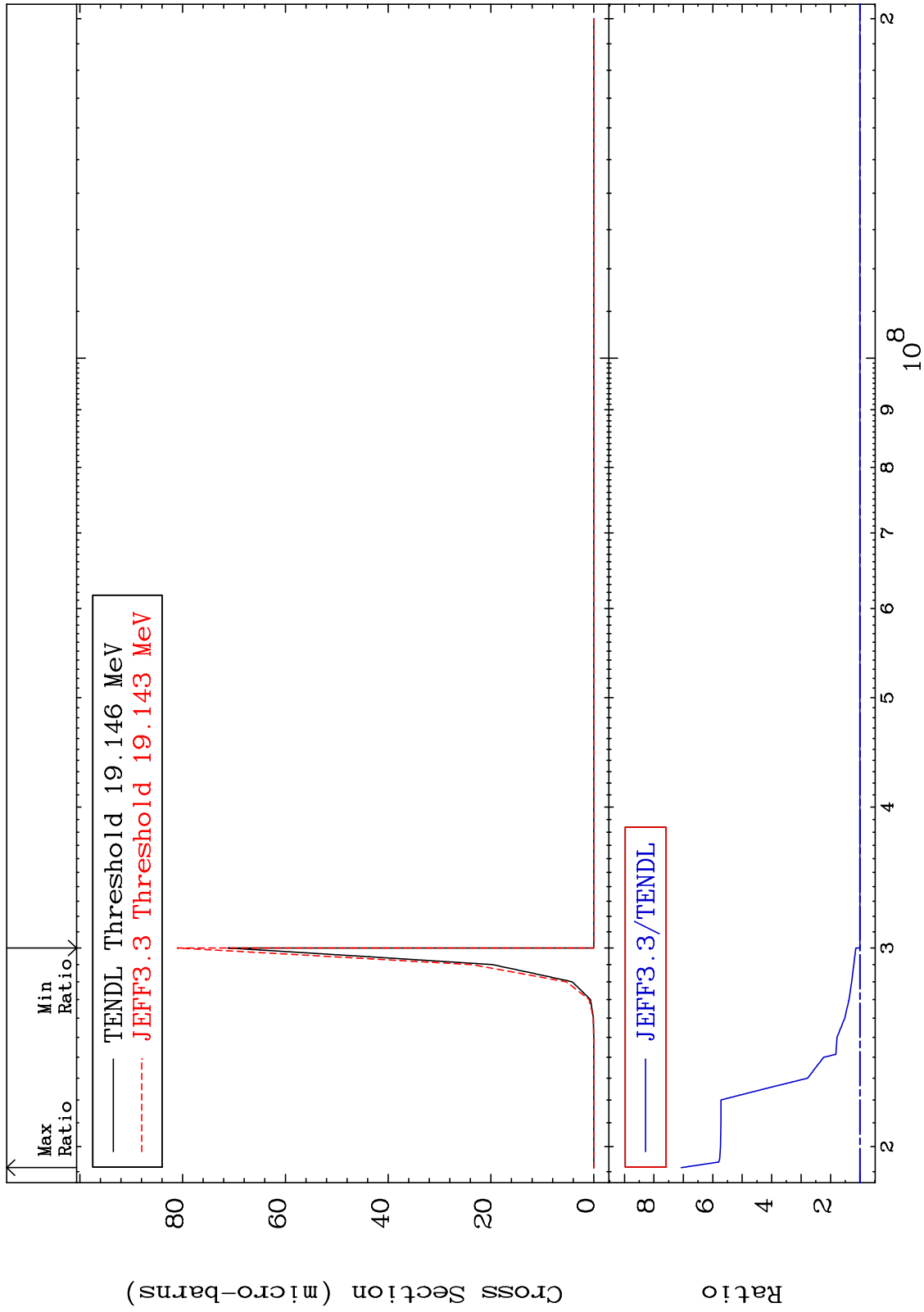
(n,2n) d

78-Pt-192

Cross Section

0.000

To 607.2 %



4

Incident Energy (eV)

78-Pt-192

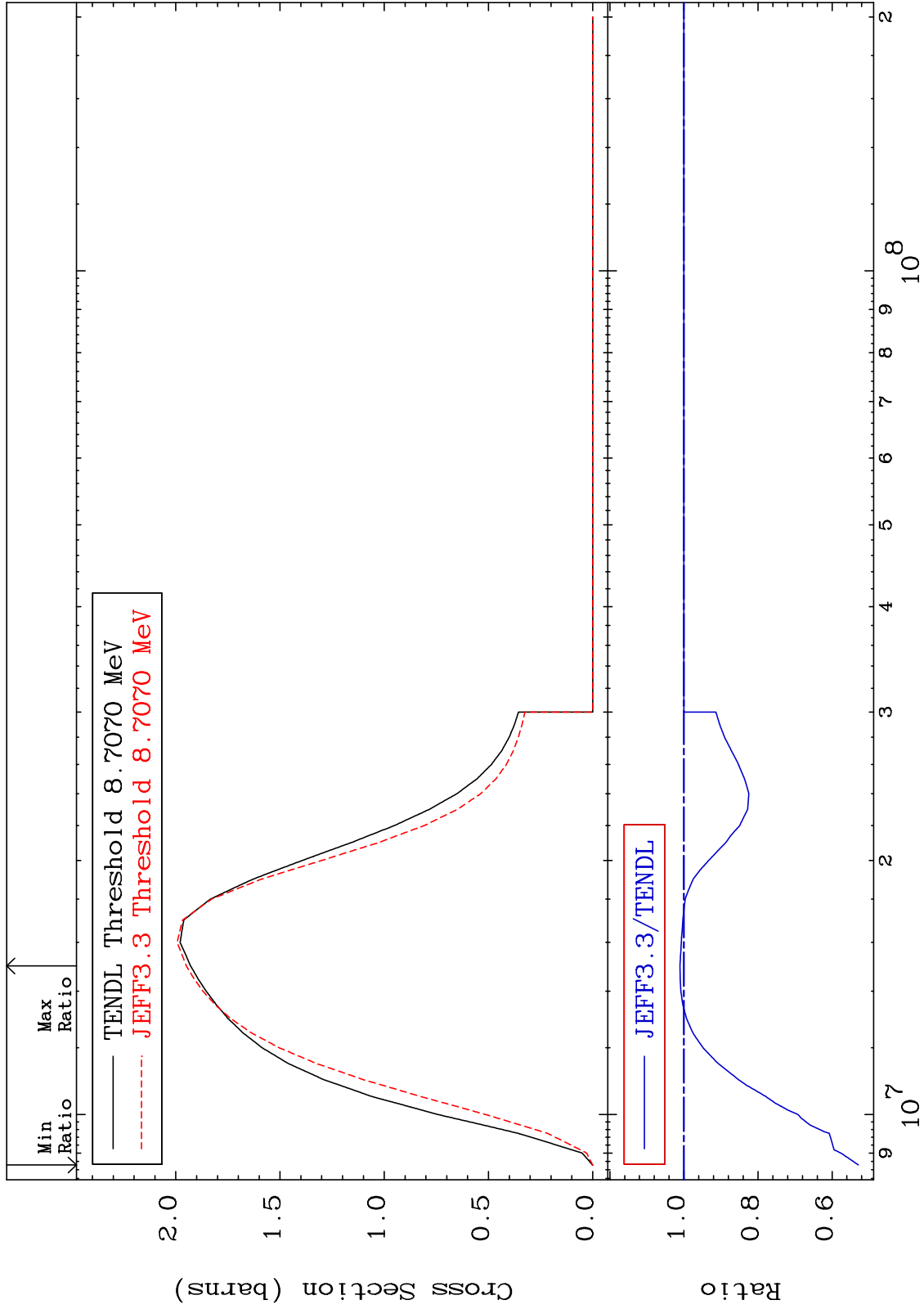
MAT 7831

(n,2n)

78-Pt-192

Cross Section

-47.11 To 1.055 %



Incident Energy (eV)

78-Pt-192

5

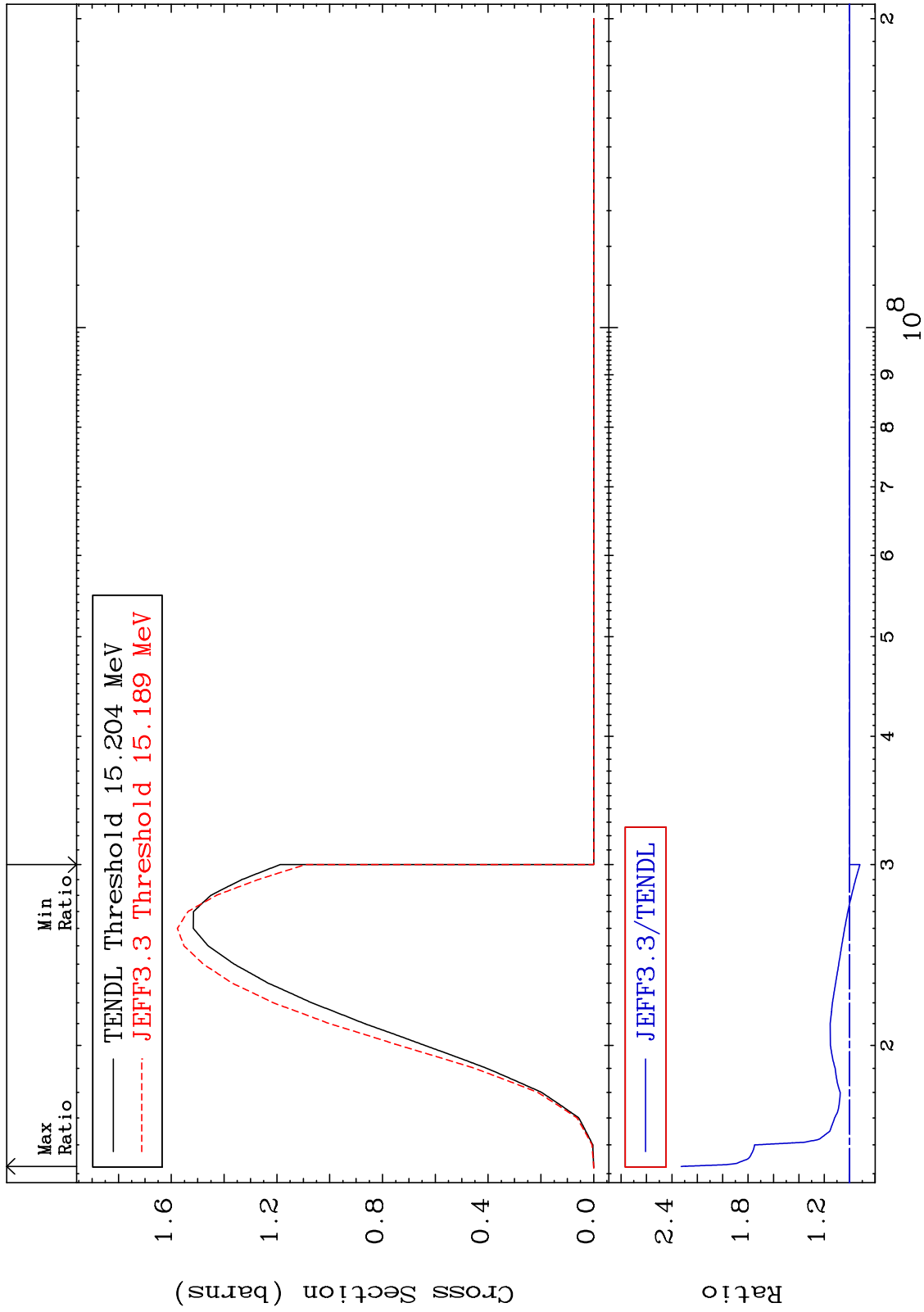
MAT 7831

(n, 3n)

78-Pt-192

Cross Section

-8.089 To 132.7 %



6

Incident Energy (eV)

78-Pt-192

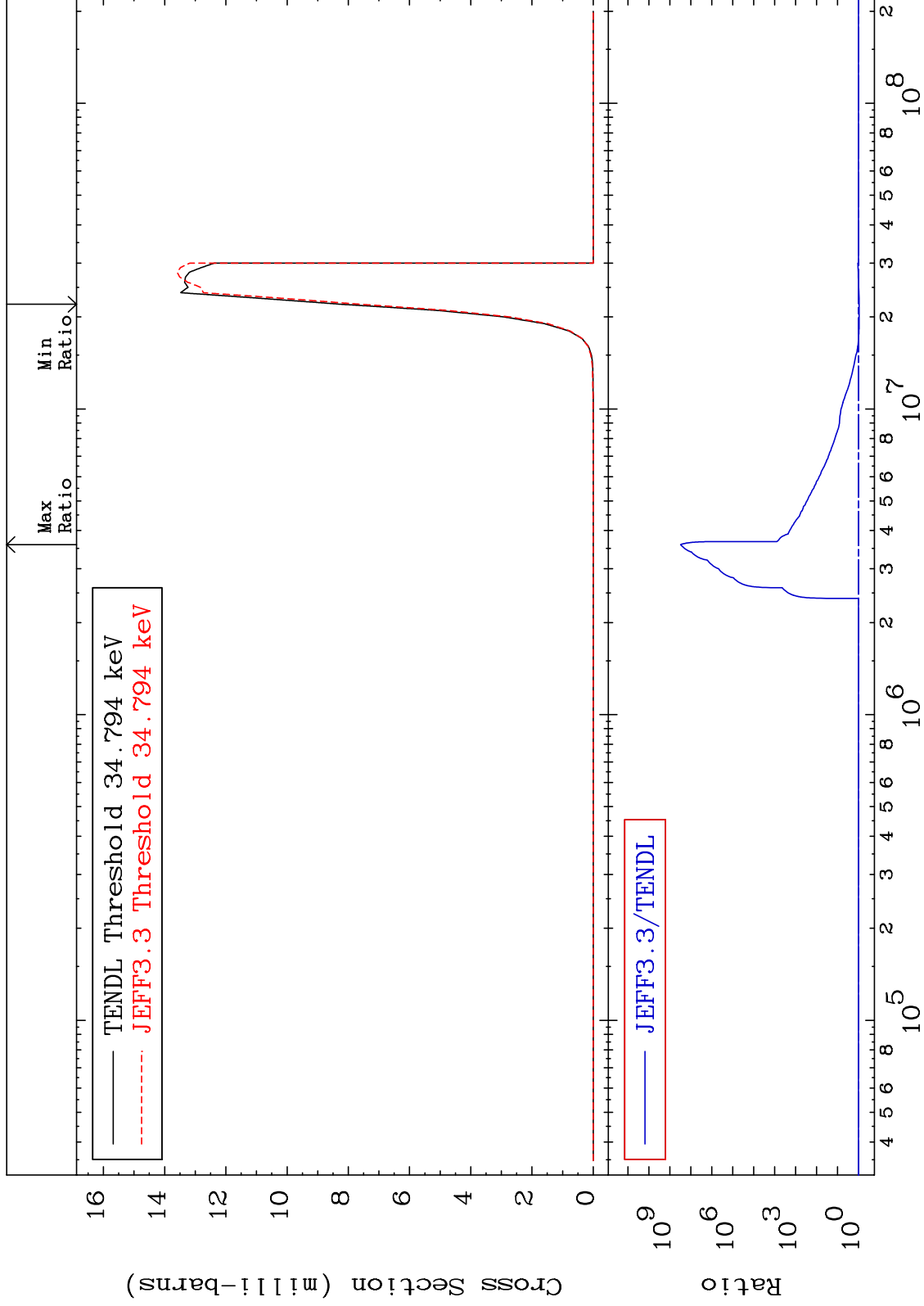
MAT 7831

(n, n') α

78-Pt-192

Cross Section

-7.534 To 9999. %



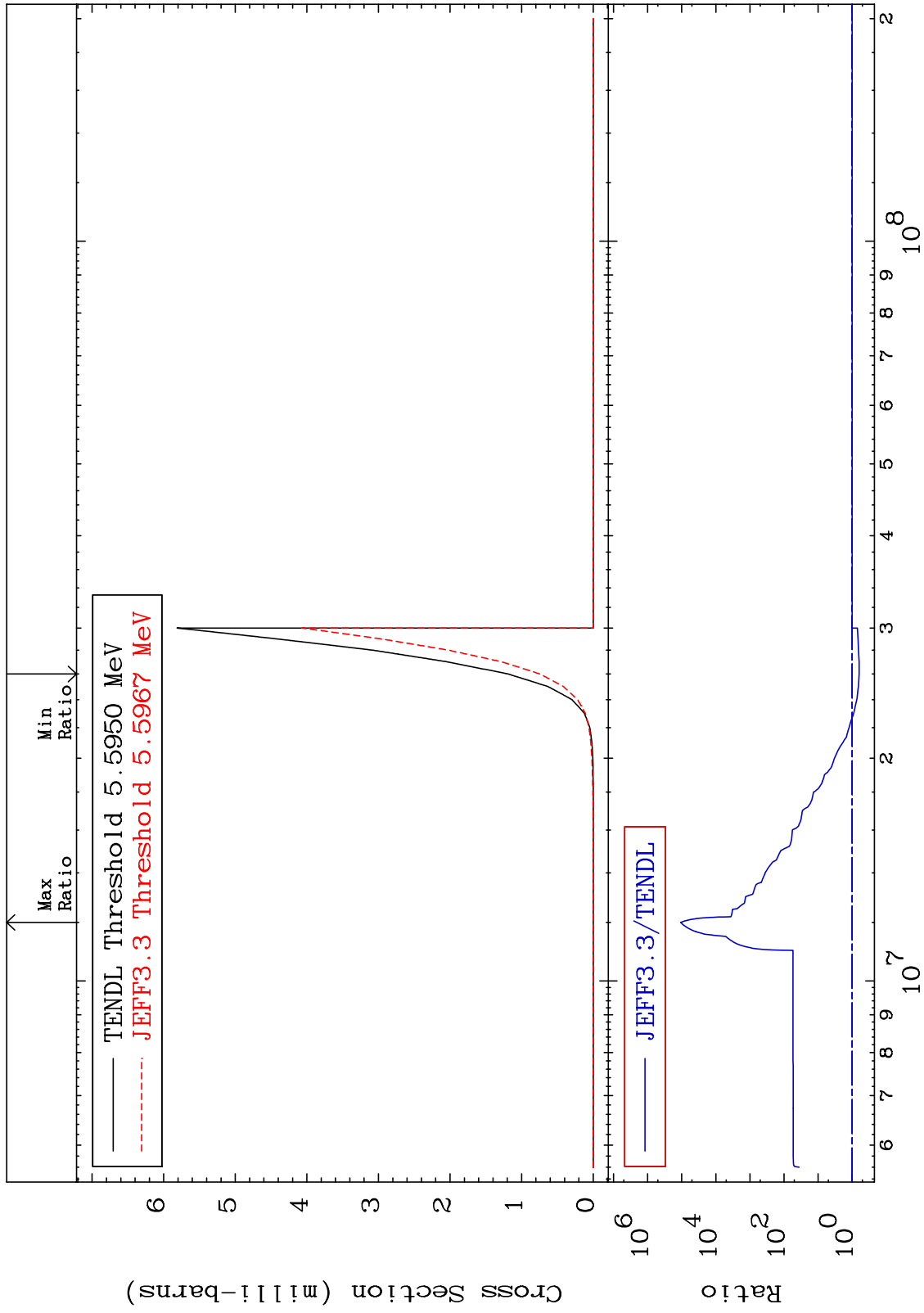
MAT 7831

(n,2n) α

78-Pt-192

Cross Section

-37.61 To 9999. %



MAT 7831

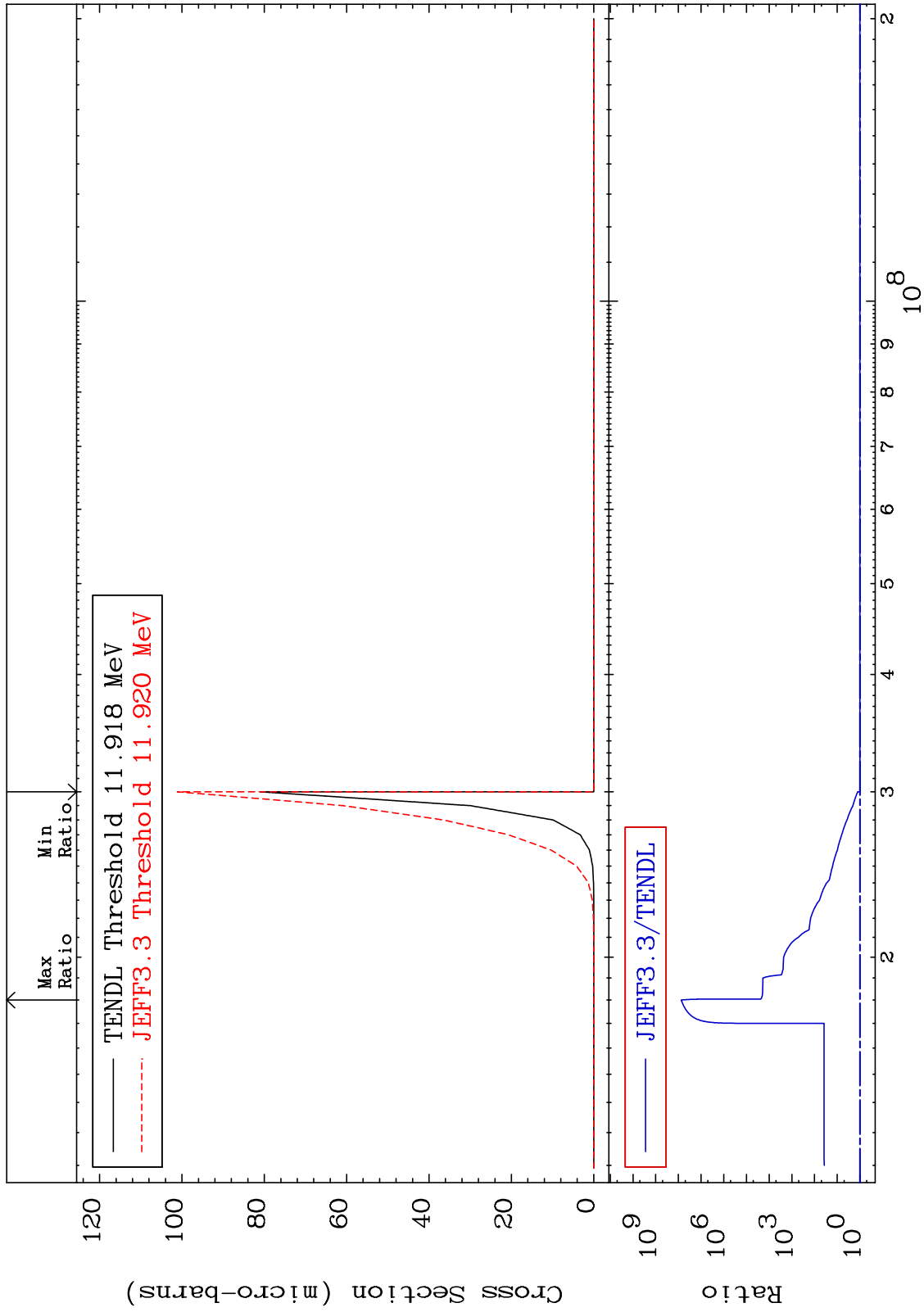
(n,3n) α

78-Pt-192

Cross Section

0.000

To 9999. %



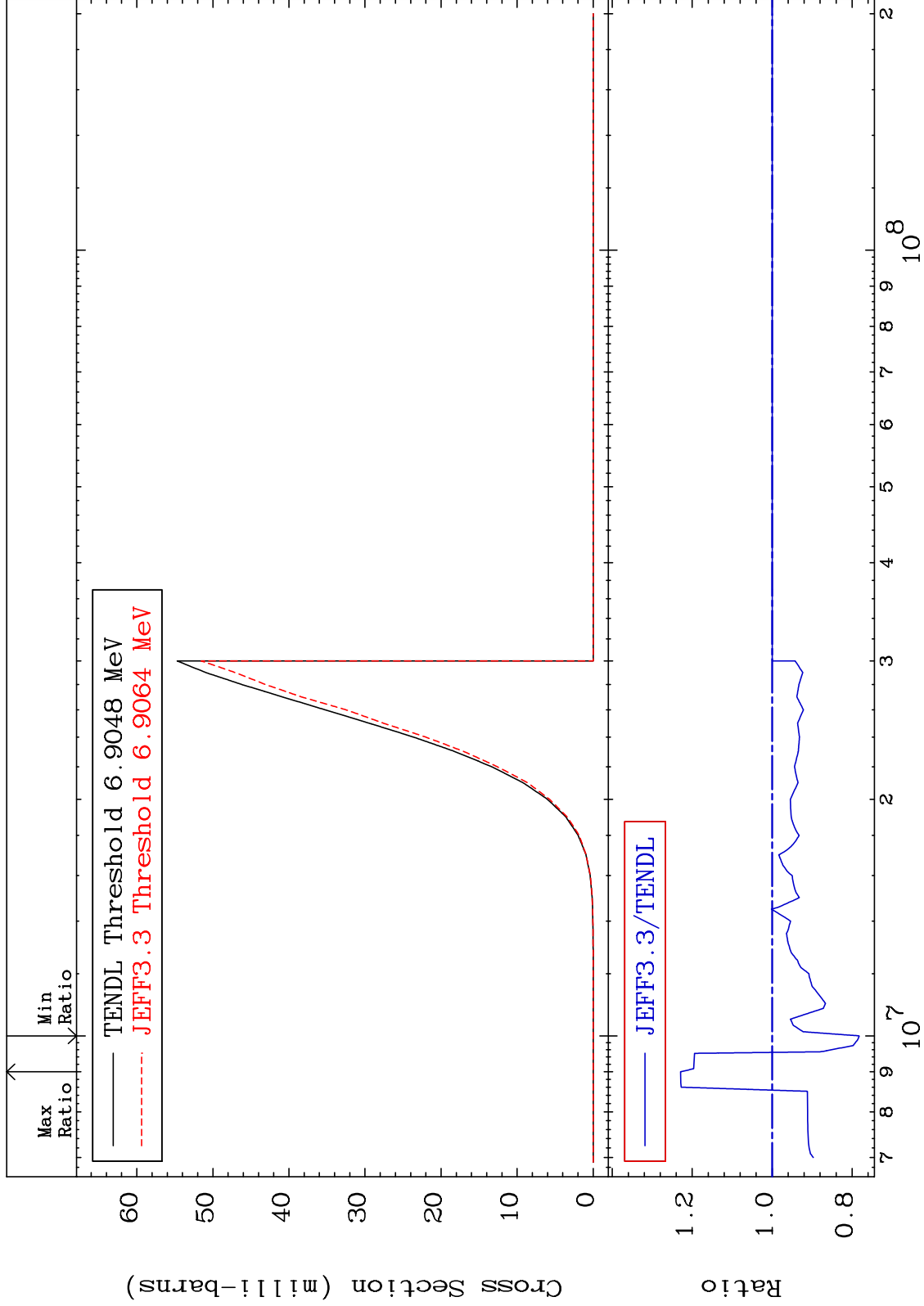
MAT 7831

(n, n') p

78-Pt-192

Cross Section

-21.77 To 22.90 %



10

Incident Energy (eV)

78-Pt-192

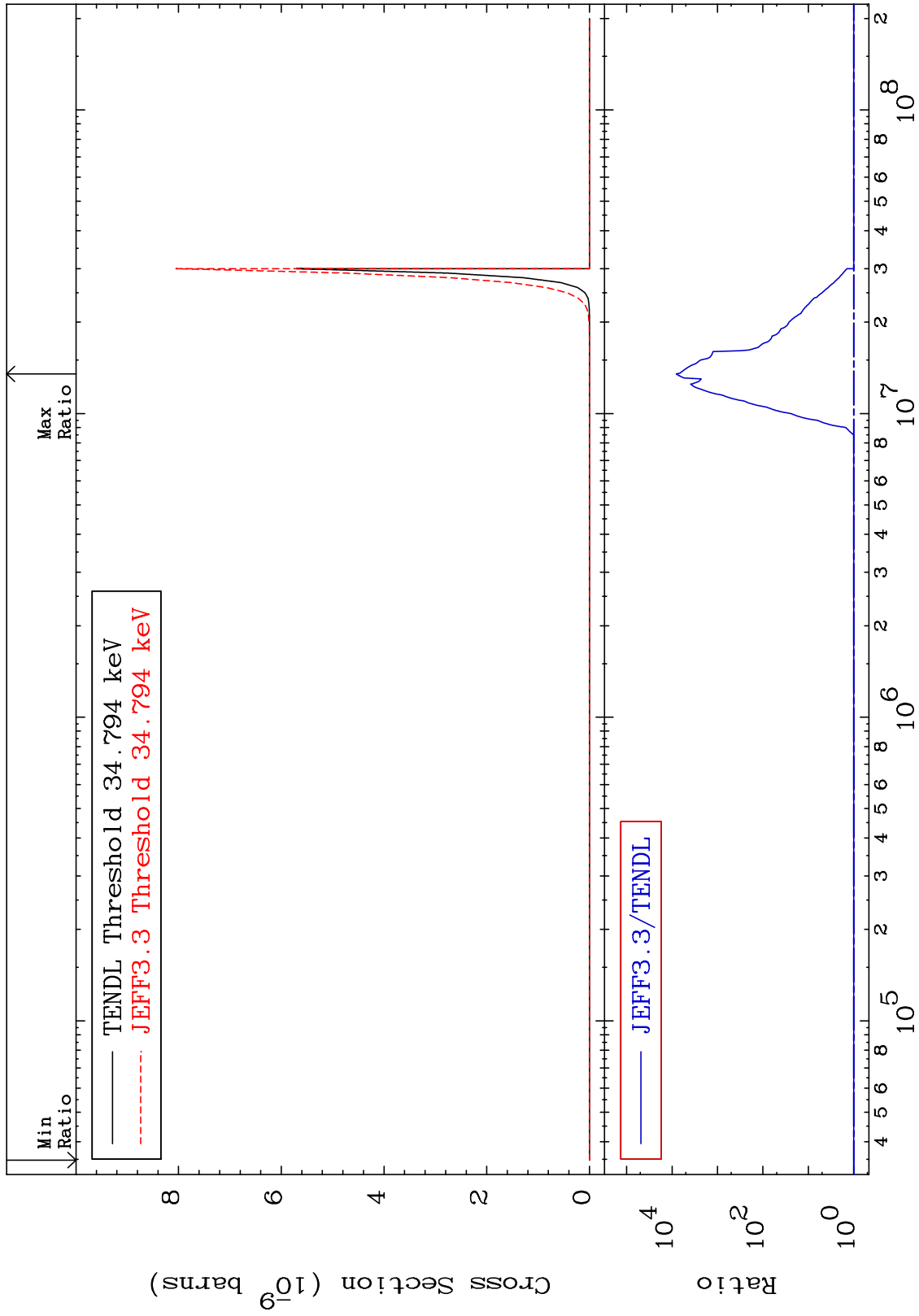
MAT 7831

(n,n') 2α

78-Pt-192

Cross Section

0.000 To 9999. %



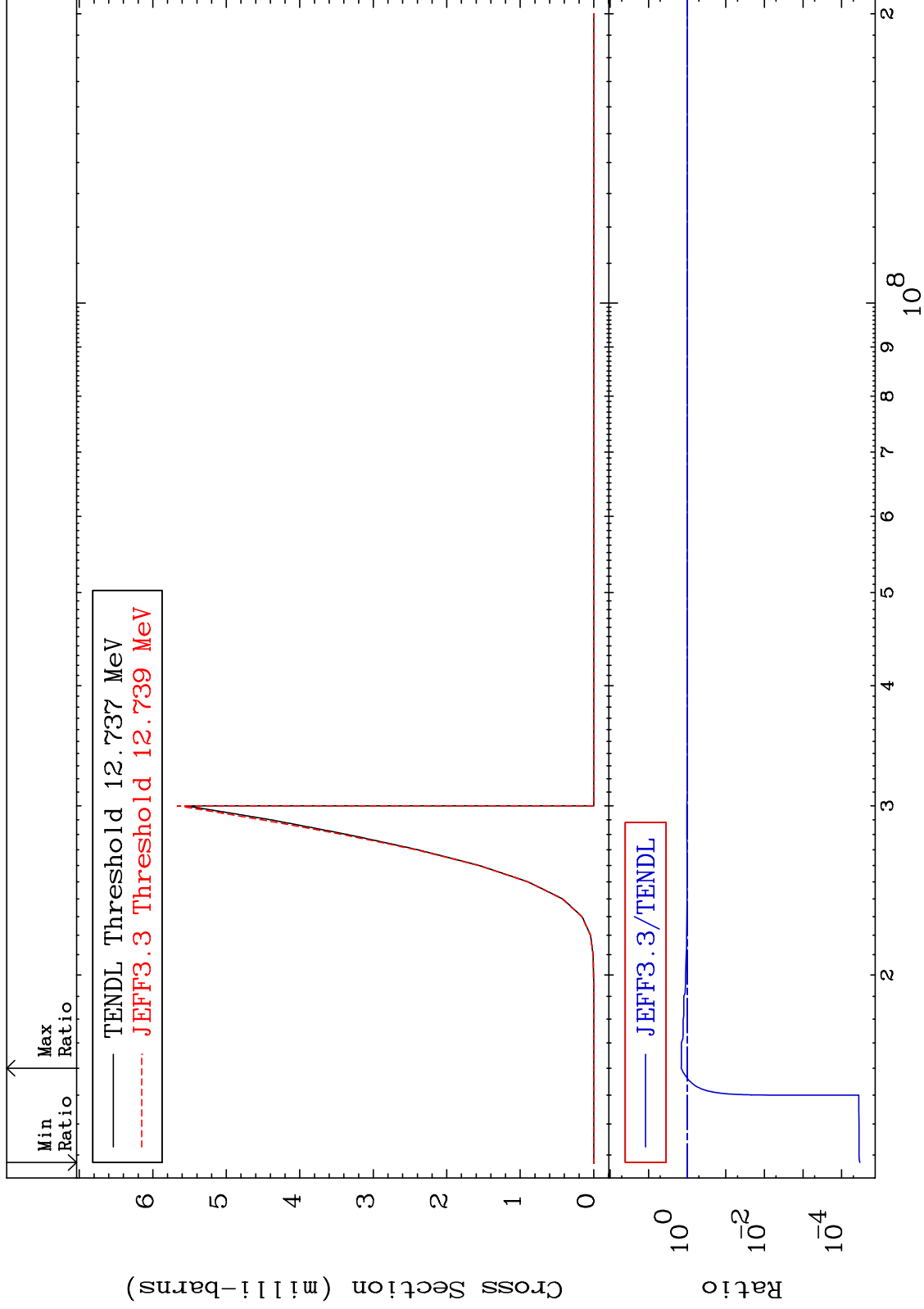
MAT 7831

(n, n') d

78-Pt-192

Cross Section

-100.0 To 43.16 %



MAT 7831

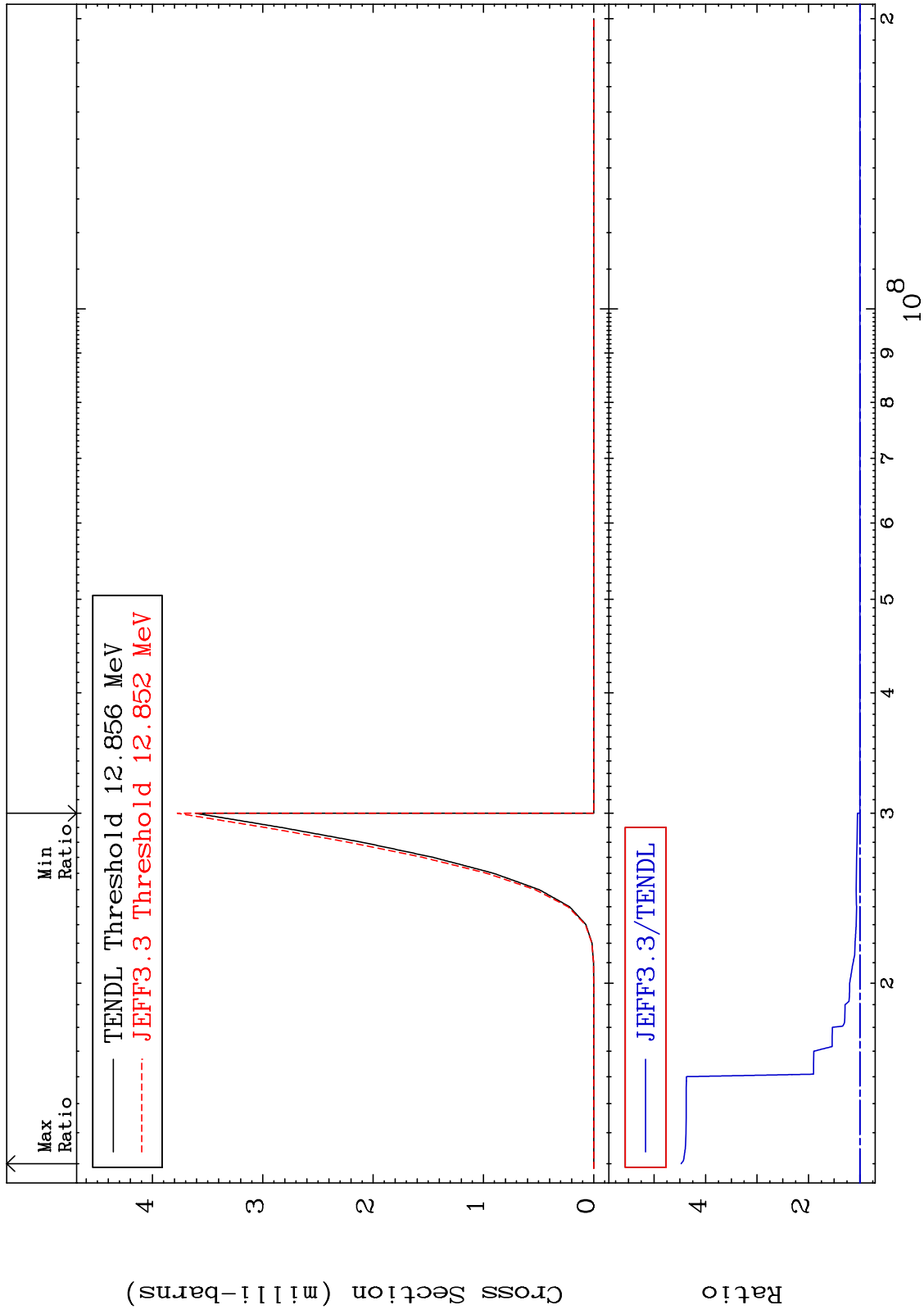
(n, n') t

78-Pt-192

Cross Section

0.000

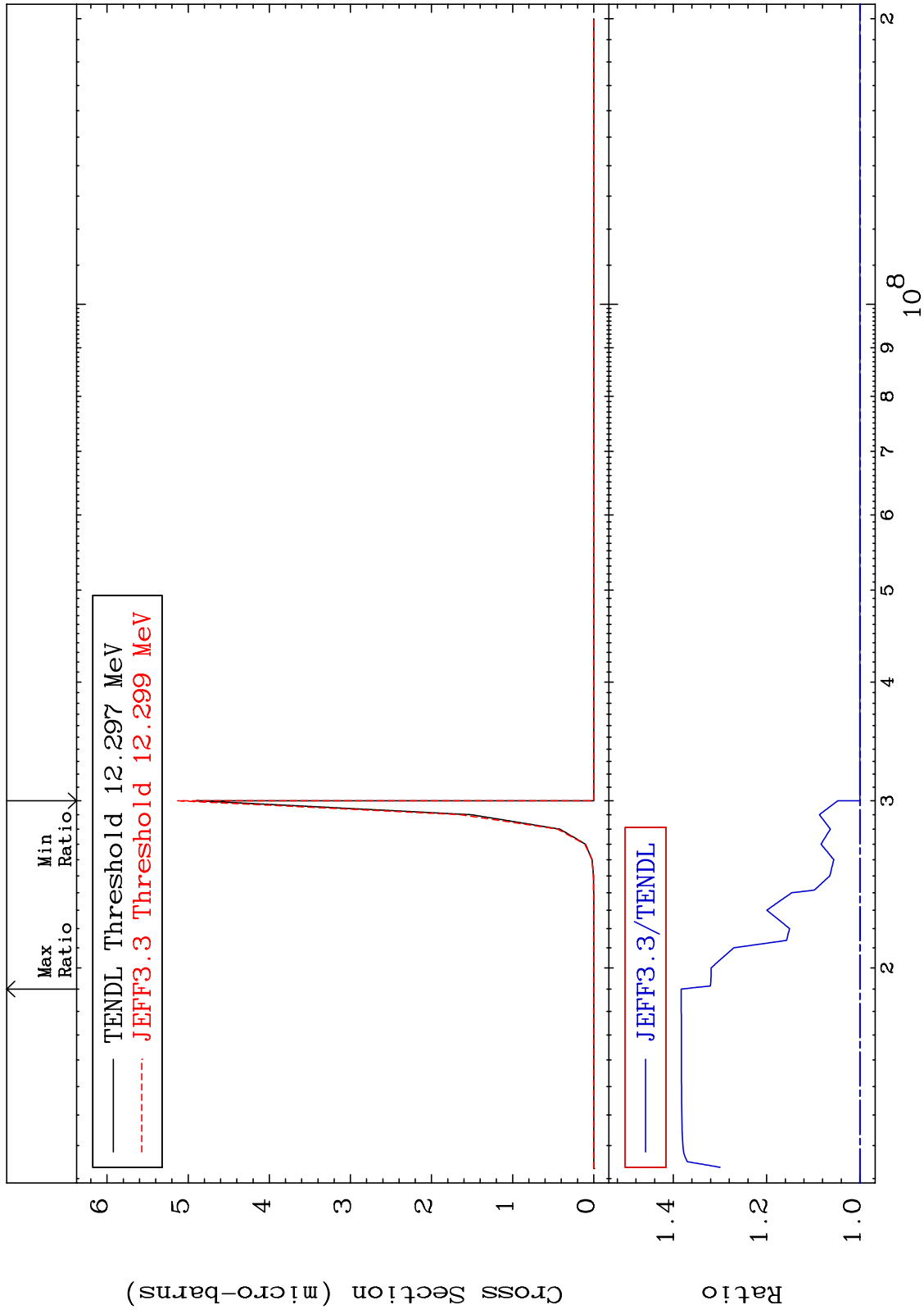
To 347.3 %



MAT 7831

(n, n') He-3
Cross Section

78-Pt-192
0.000 To 38.30 %



MAT 7831

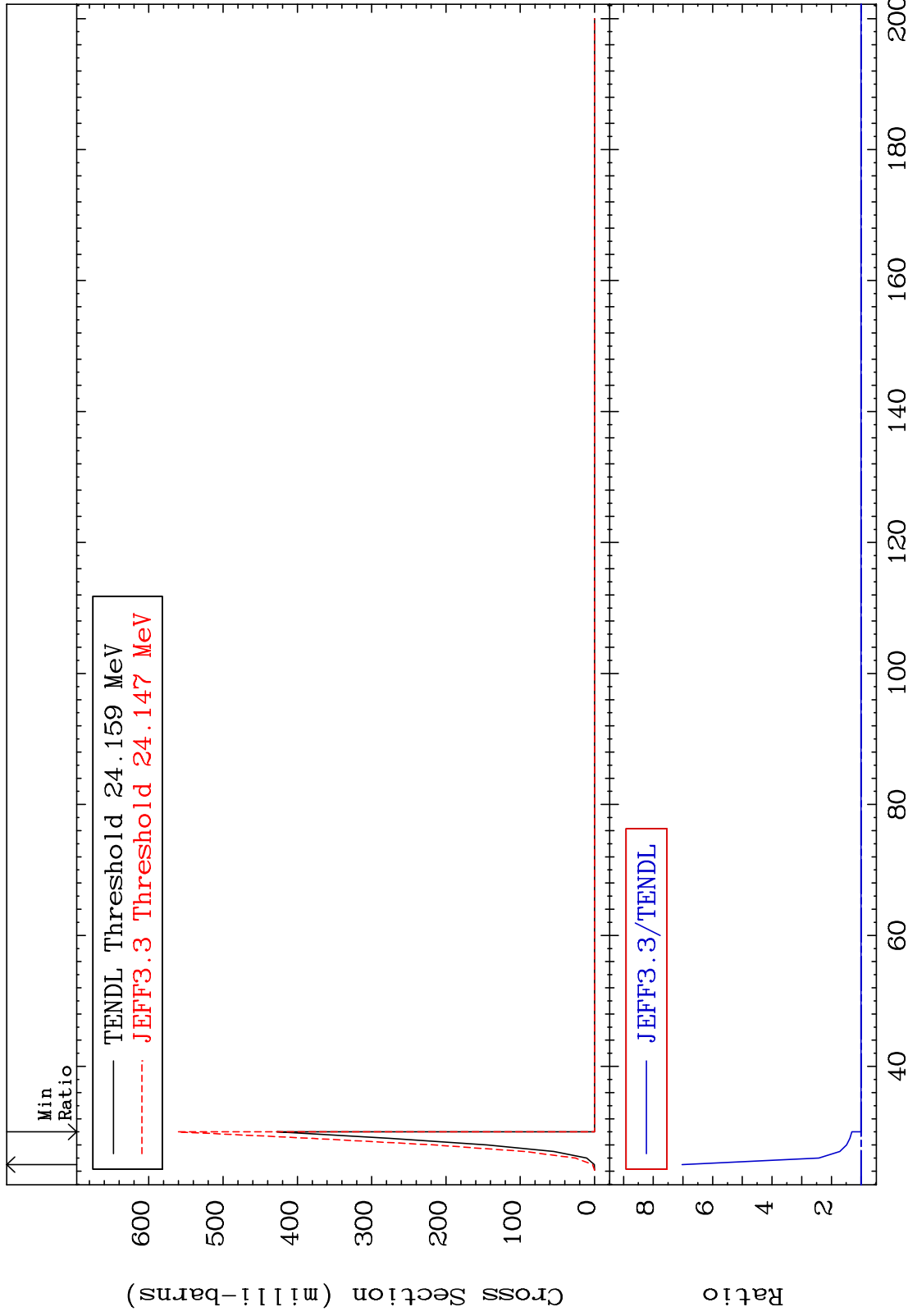
(n, 4n)

78-Pt-192

Cross Section

0.000

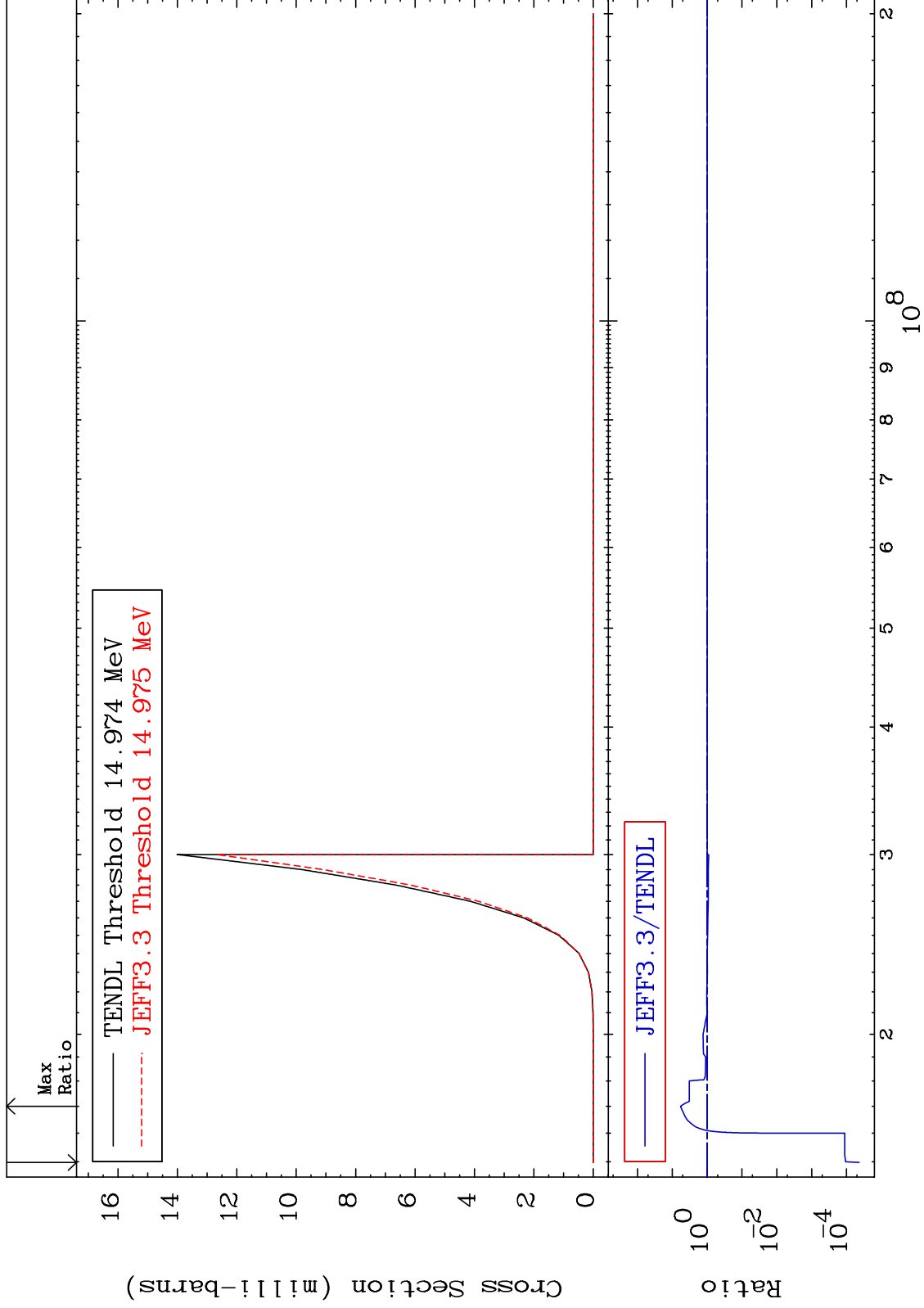
To 602.7 %



MAT 7831

(n,2n) p
Cross Section

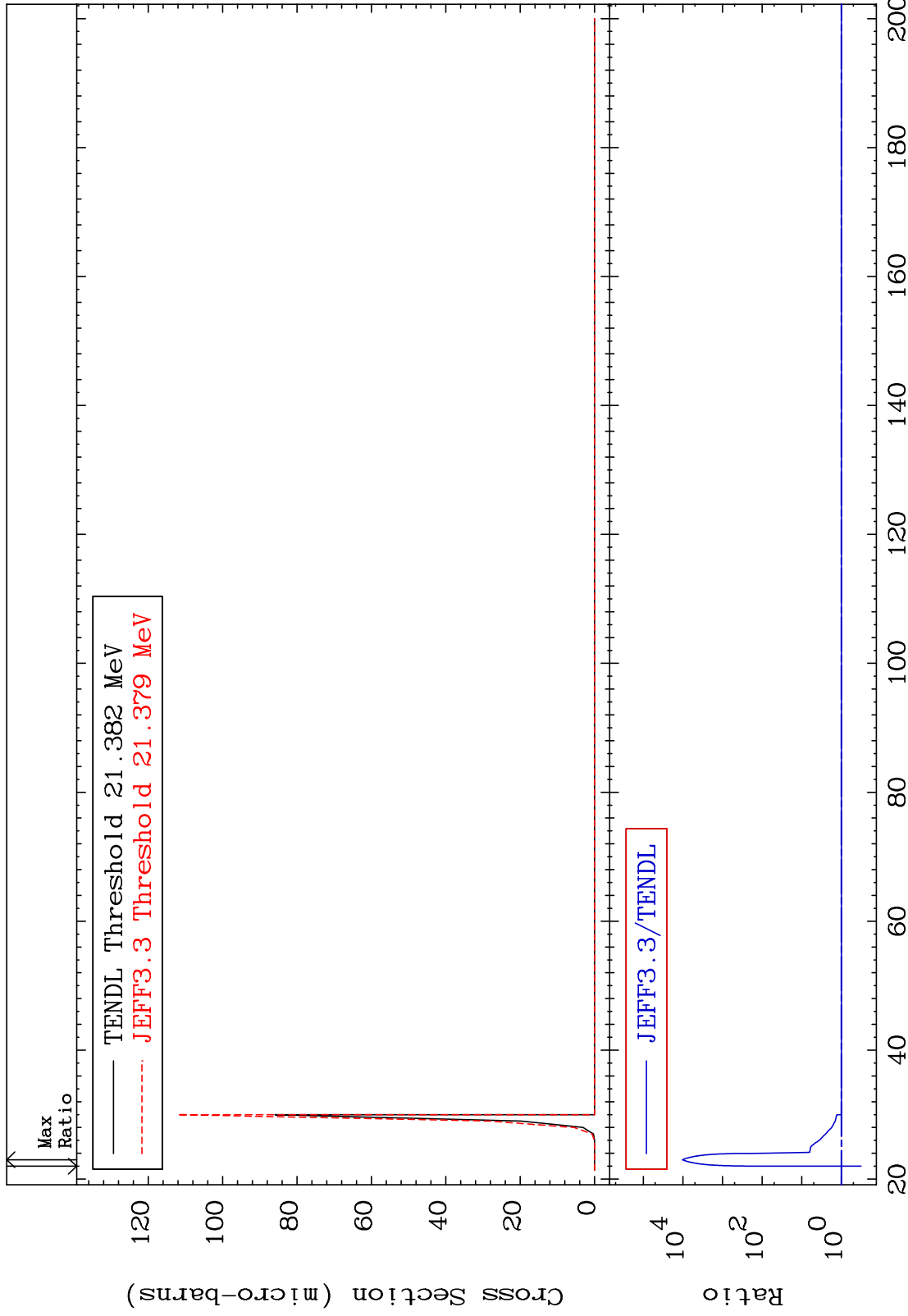
78-Pt-192
-100.0 To 476.9 %



MAT 7831

(n,3n) p
Cross Section

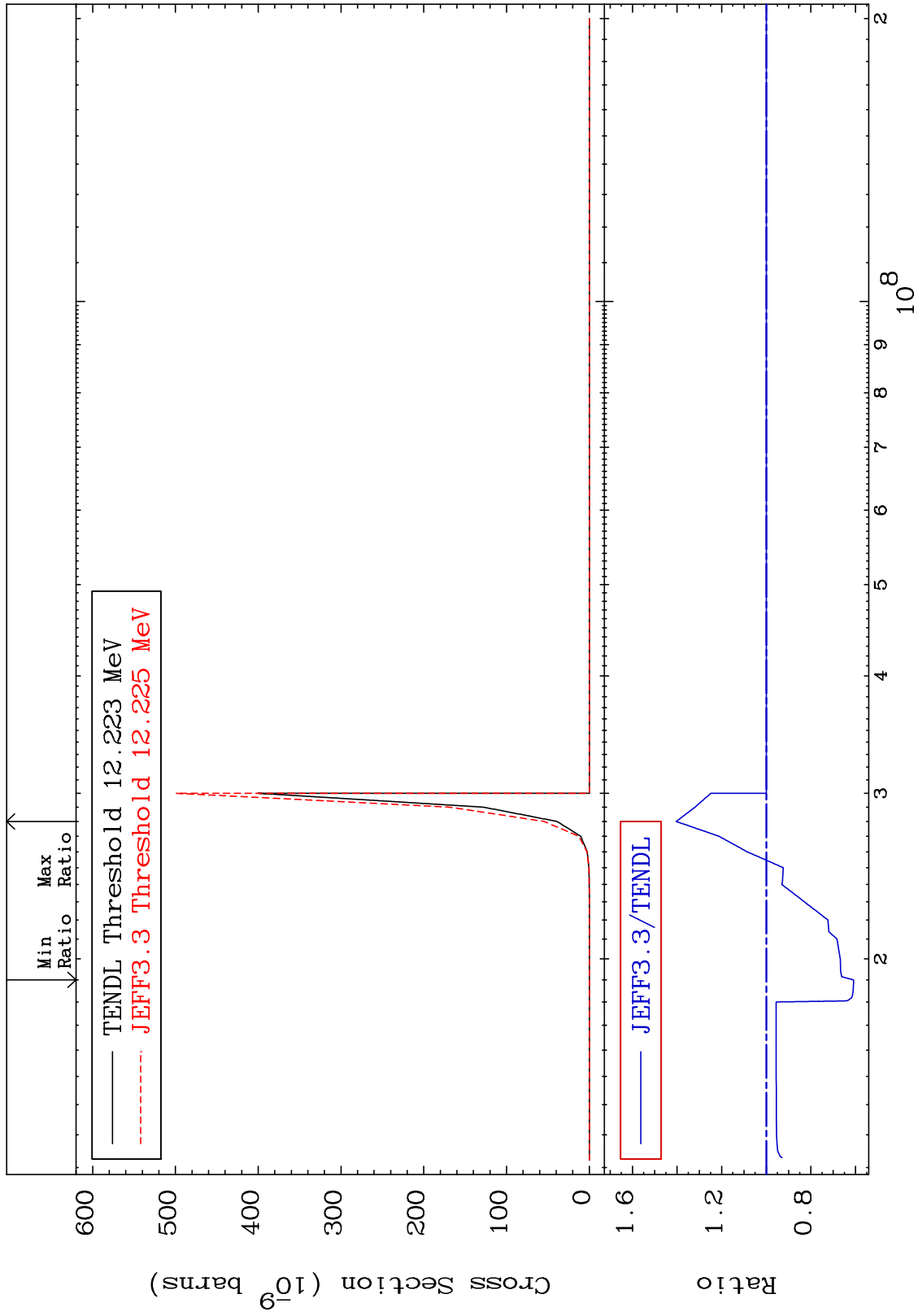
78-Pt-192
-68.08 To 9999. %



MAT 7831

(n,2n) p
Cross Section

78-Pt-192
-39.14 To 40.39 %



18

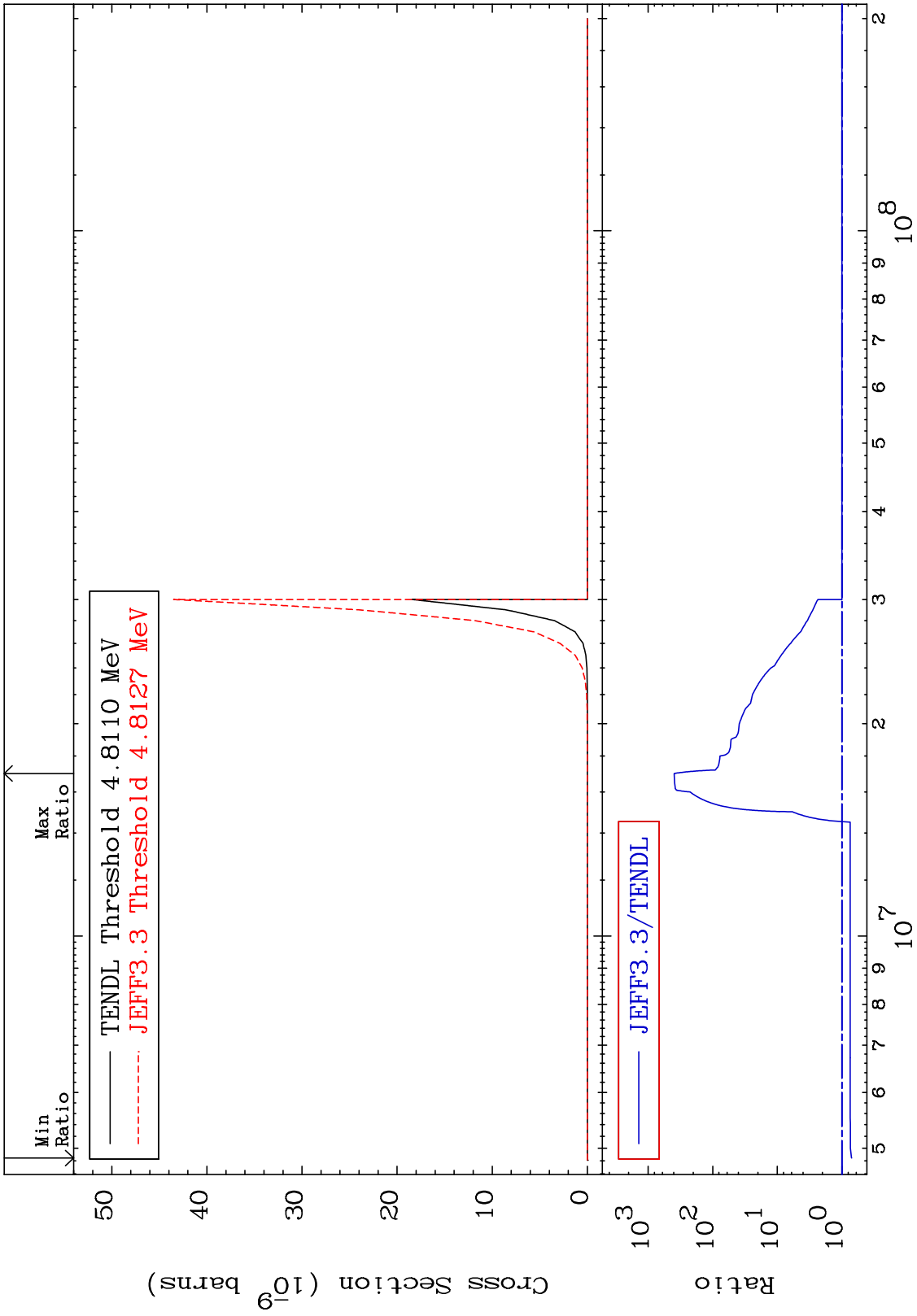
Incident Energy (eV)

78-Pt-192

MAT 7831

(n,n') p α
Cross Section

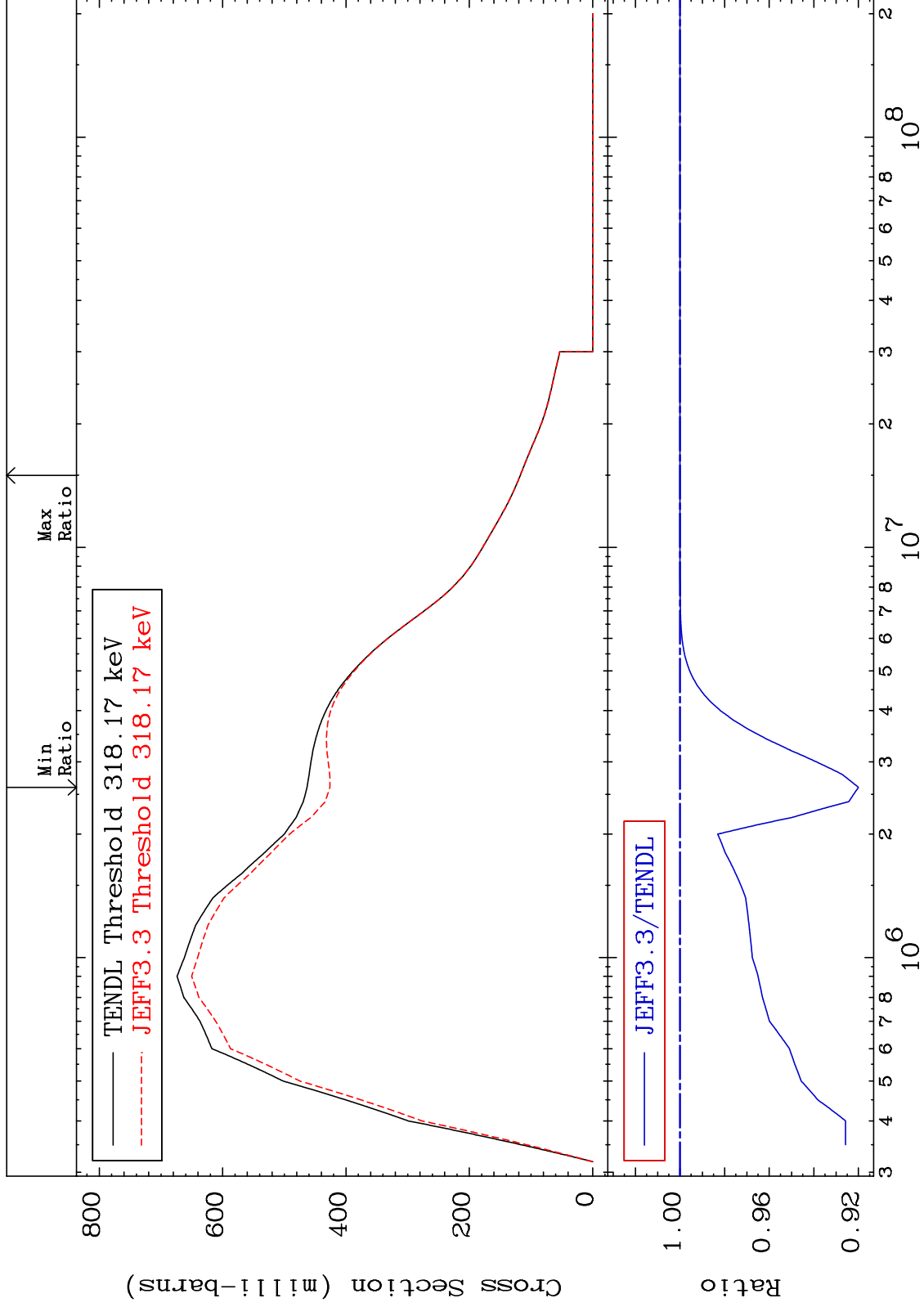
78-Pt-192
-29.60 To 9999. %



MAT 7831

MT= 51 (n,n') Level
Cross Section

78-Pt-192
-7.998 To 0.000 %



20

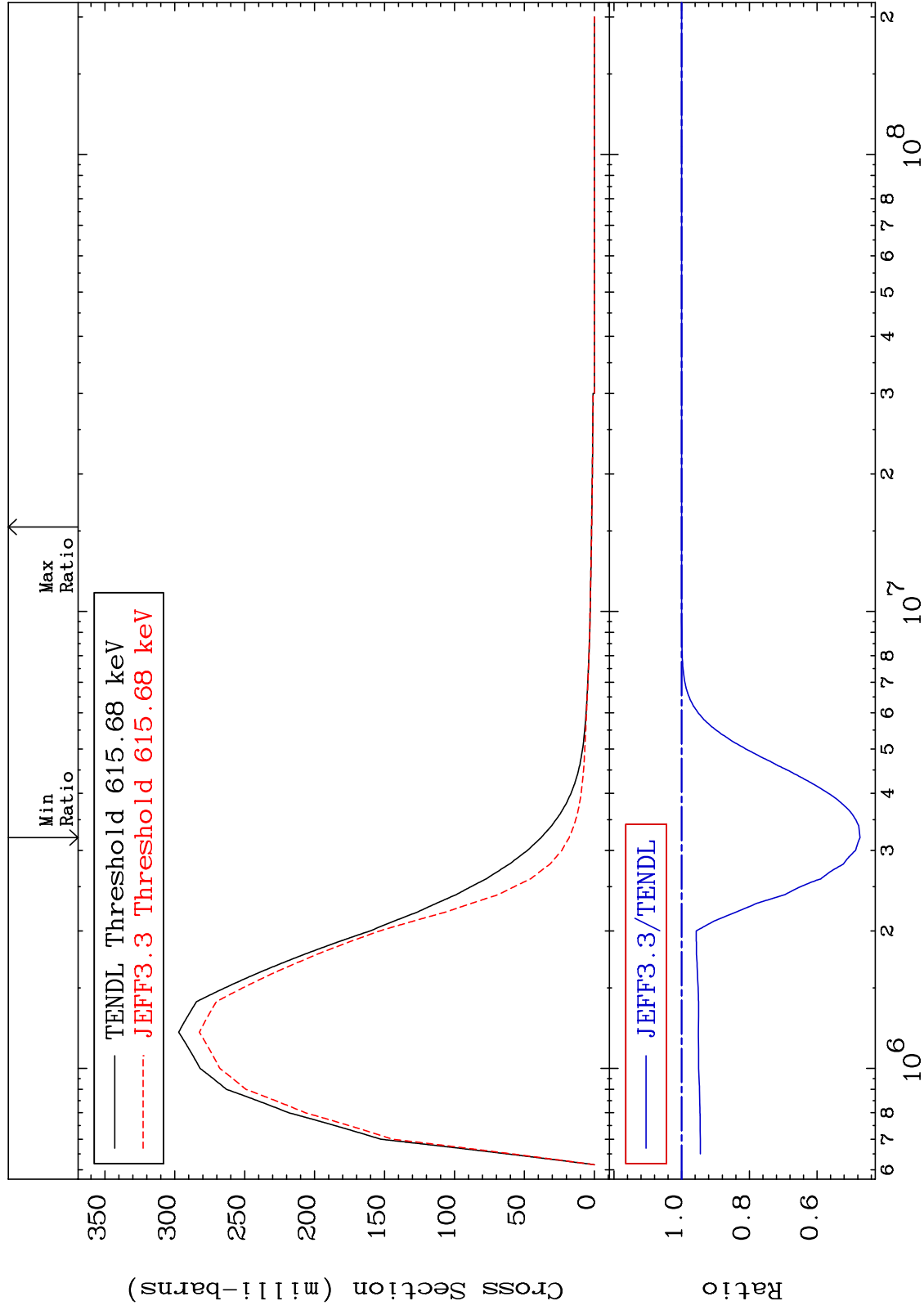
Incident Energy (eV)

78-Pt-192

MAT 7831

MT= 52 (n, n') Level
Cross Section

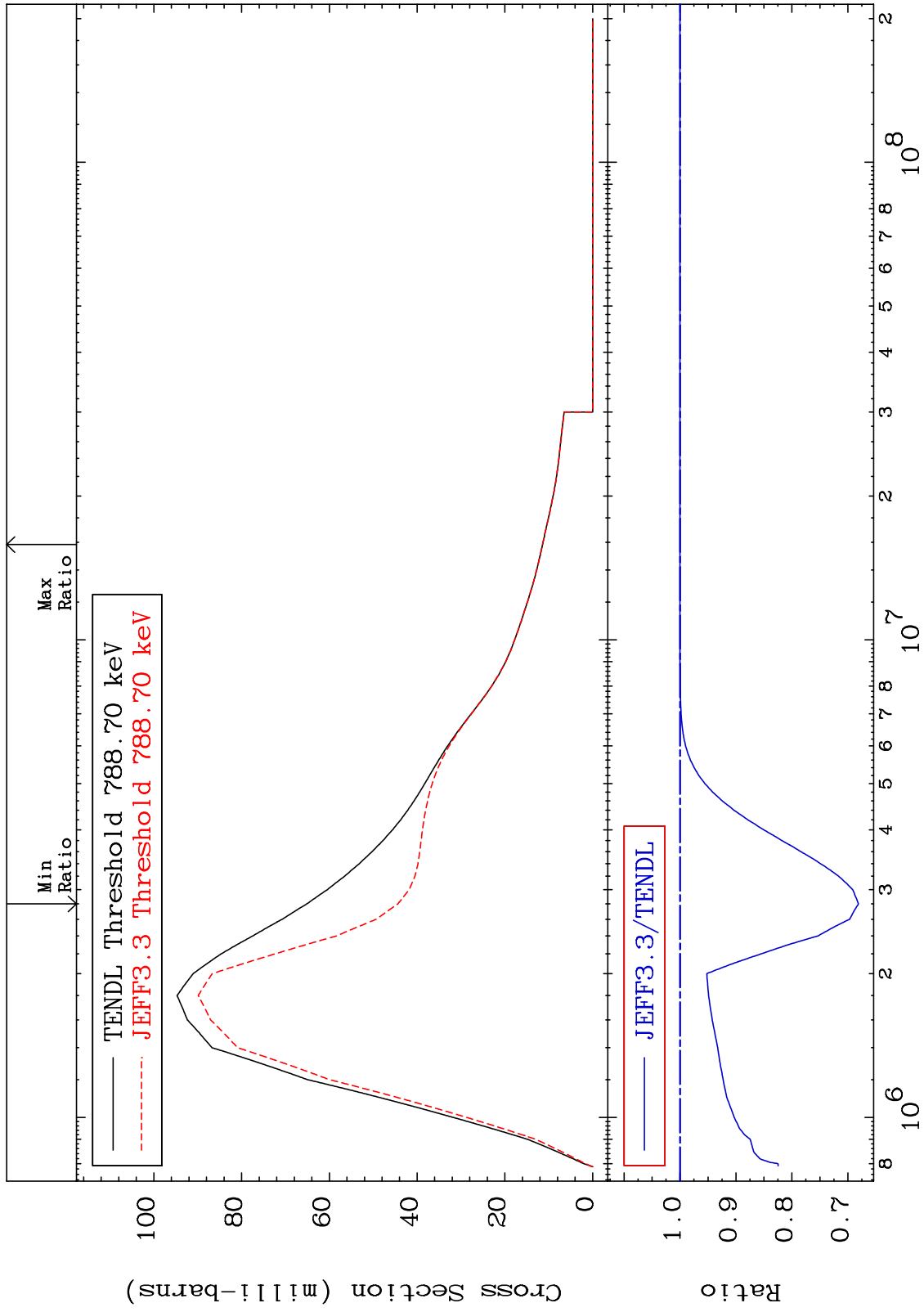
78-Pt-192
-52.69 To 0.000 %



MAT 7831

MT= 53 (n, n') Level
Cross Section

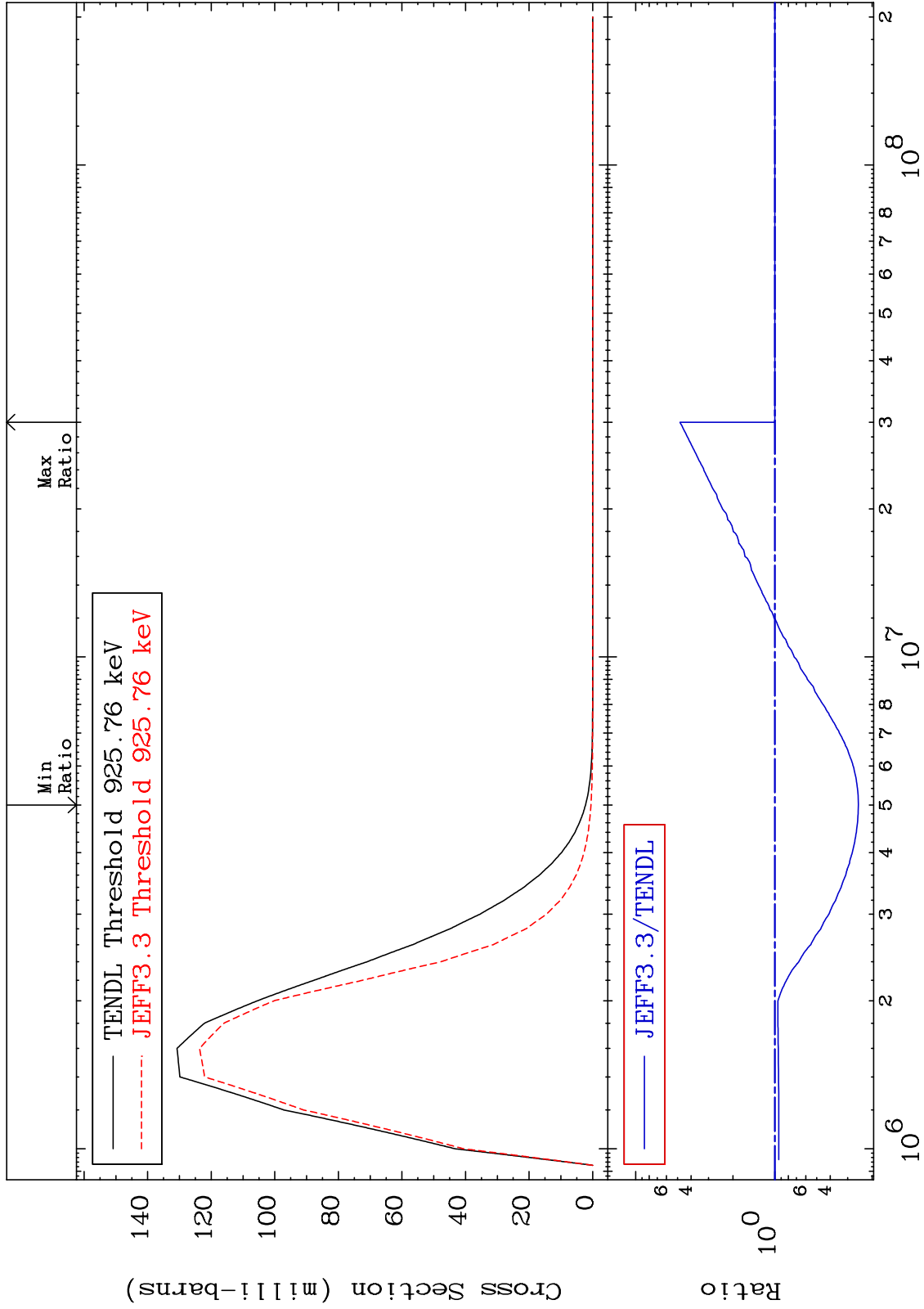
78-Pt-192
-31.88 To 0.000 %



MAT 7831

MT= 54 (n,n') Level
Cross Section

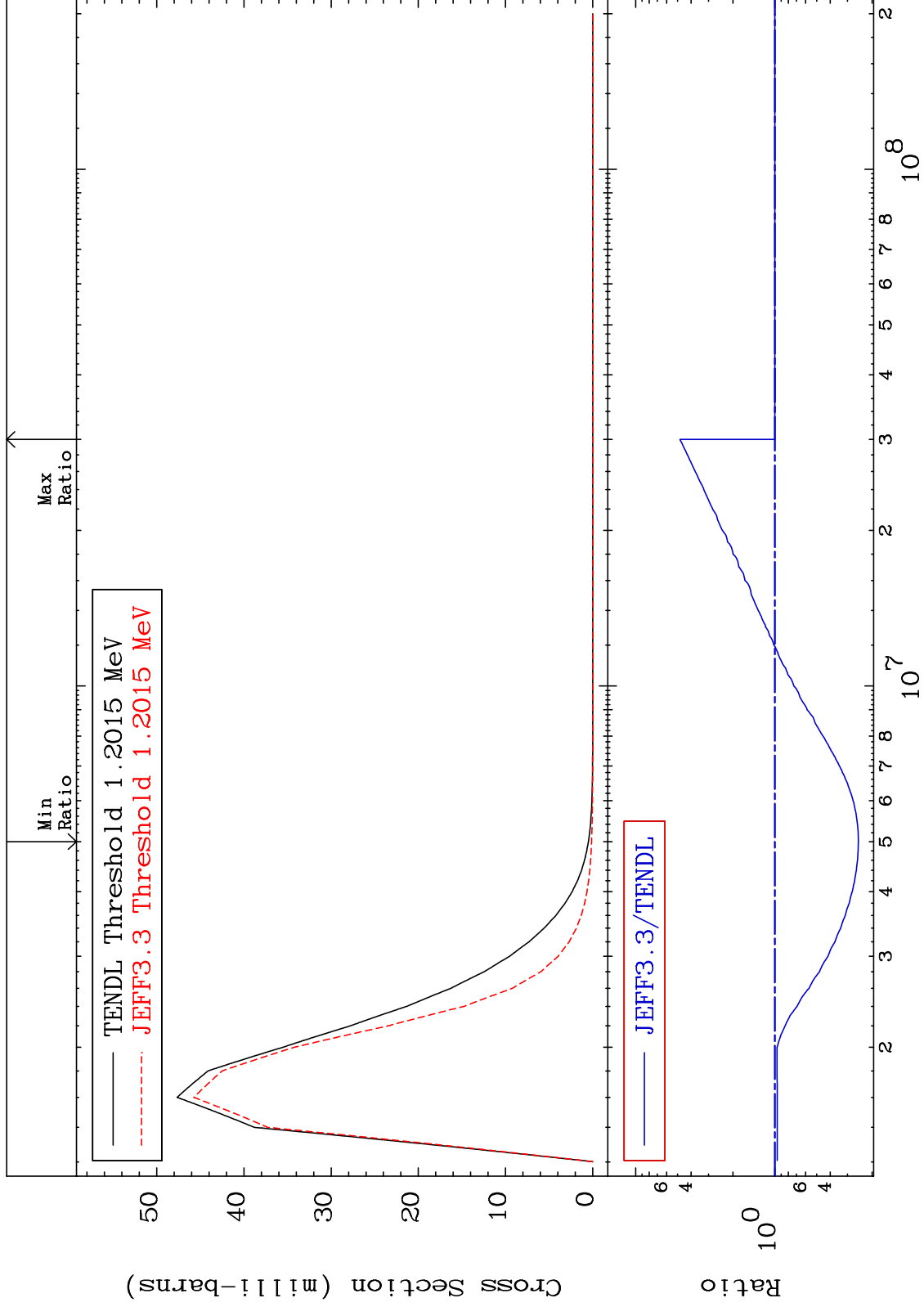
78-Pt-192
-74.89 To 379.8 %



MAT 7831

MT= 55 (n,n') Level
Cross Section

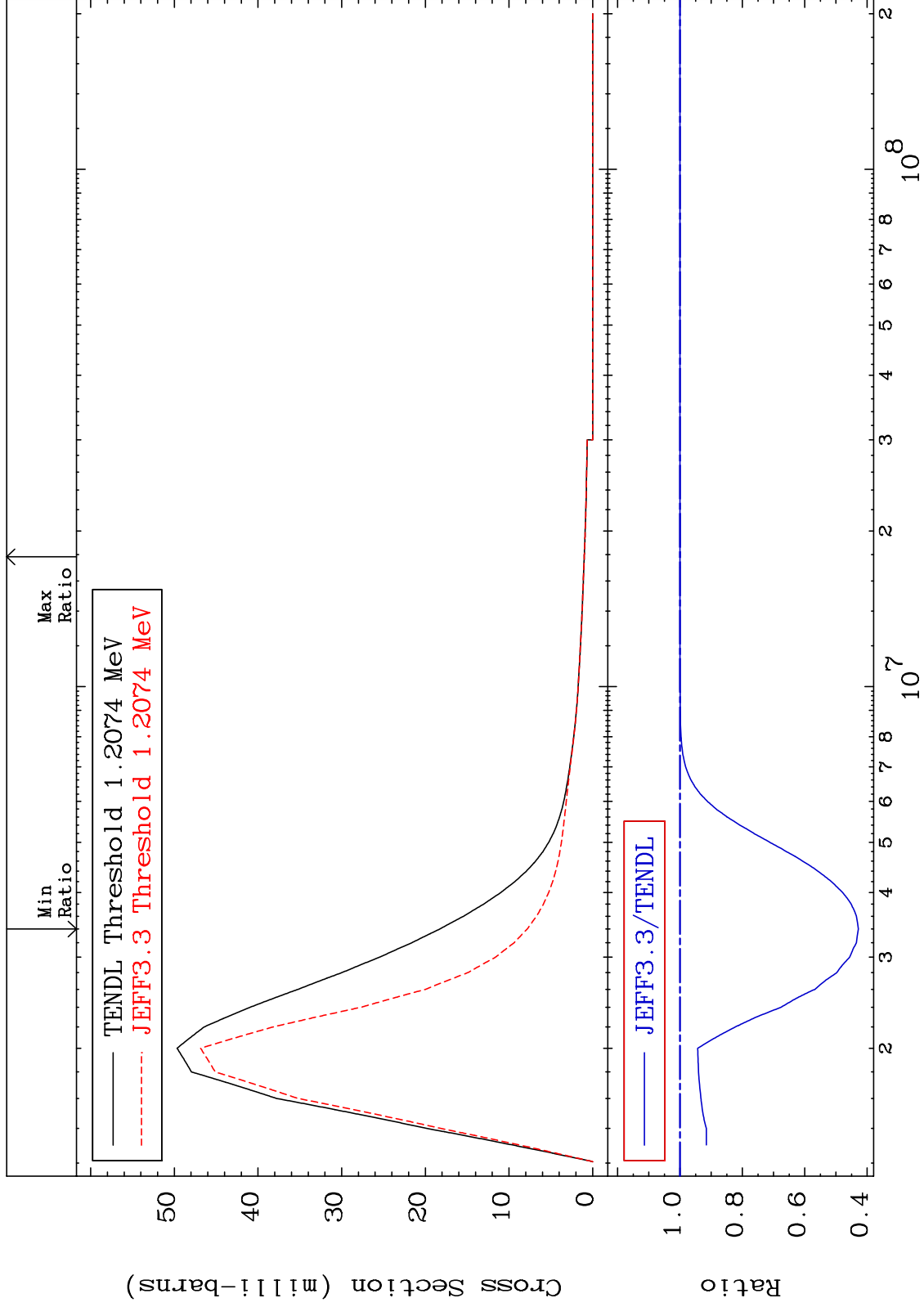
78-Pt-192
-74.95 To 380.1 %



MAT 7831

MT= 56 (n,n') Level
Cross Section

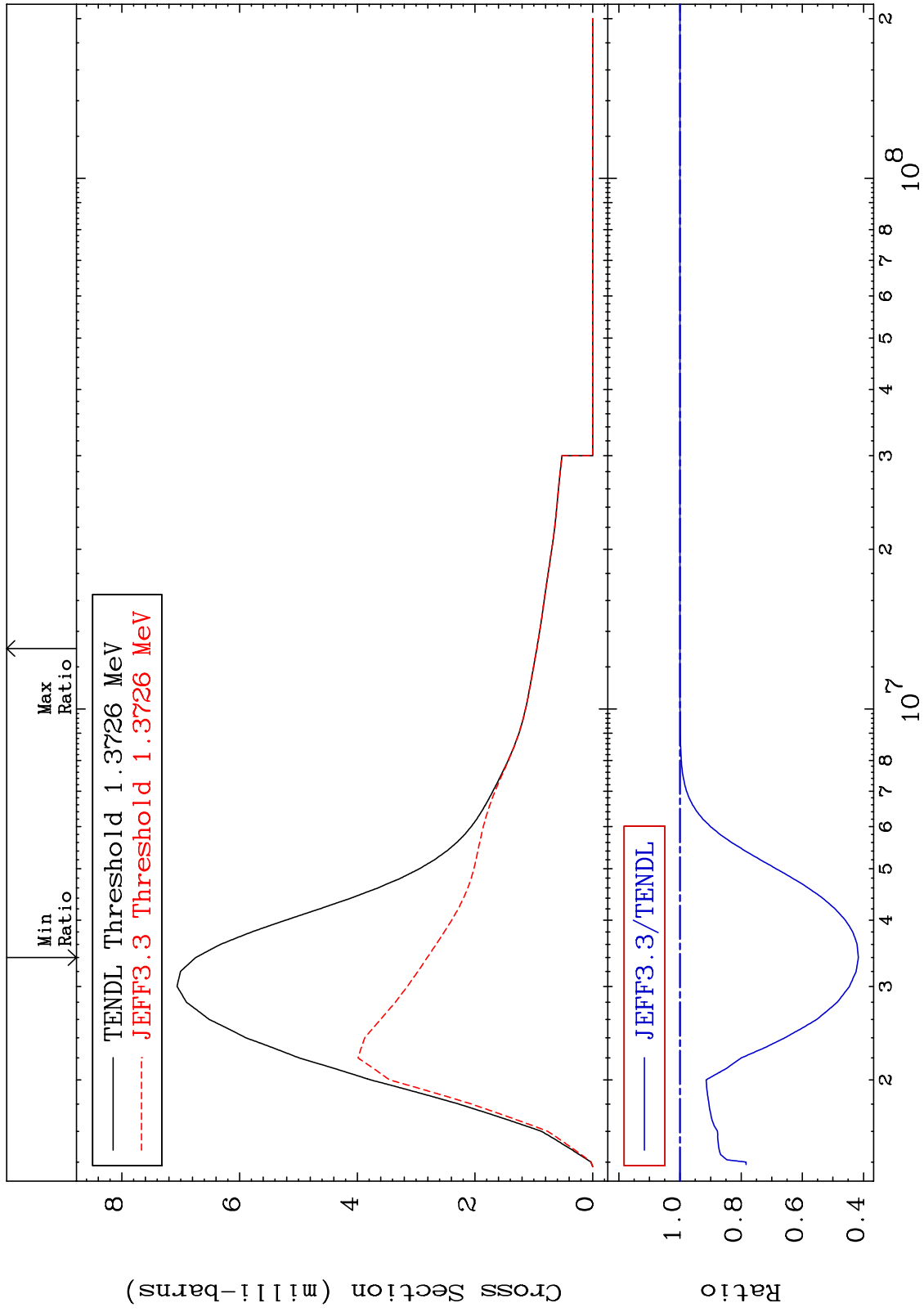
78-Pt-192
-57.20 To 0.000 %



MAT 7831

MT= 57 (n, n') Level
Cross Section

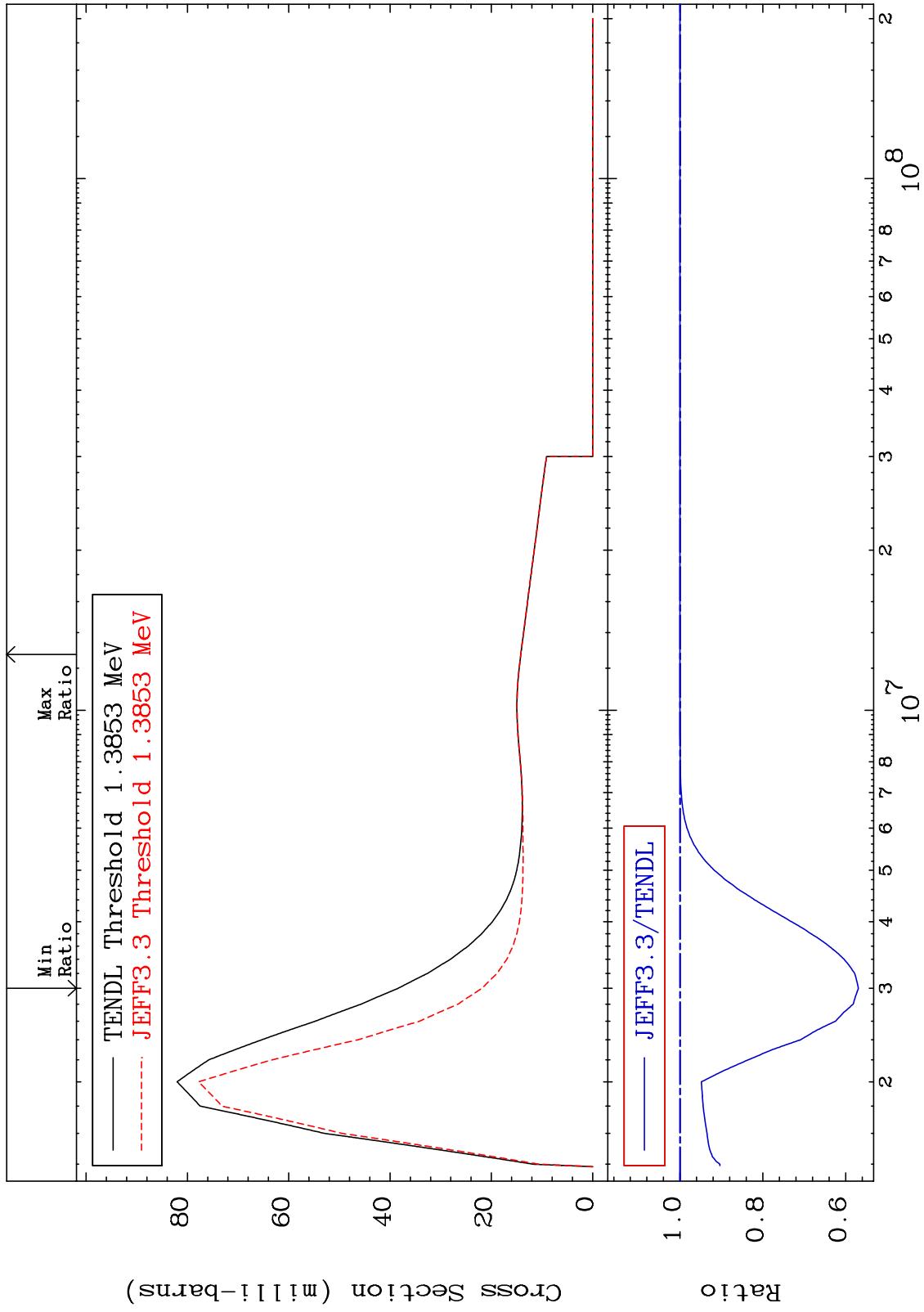
78-Pt-192
-58.34 To 0.000 %



MAT 7831

MT= 58 (n,n') Level
Cross Section

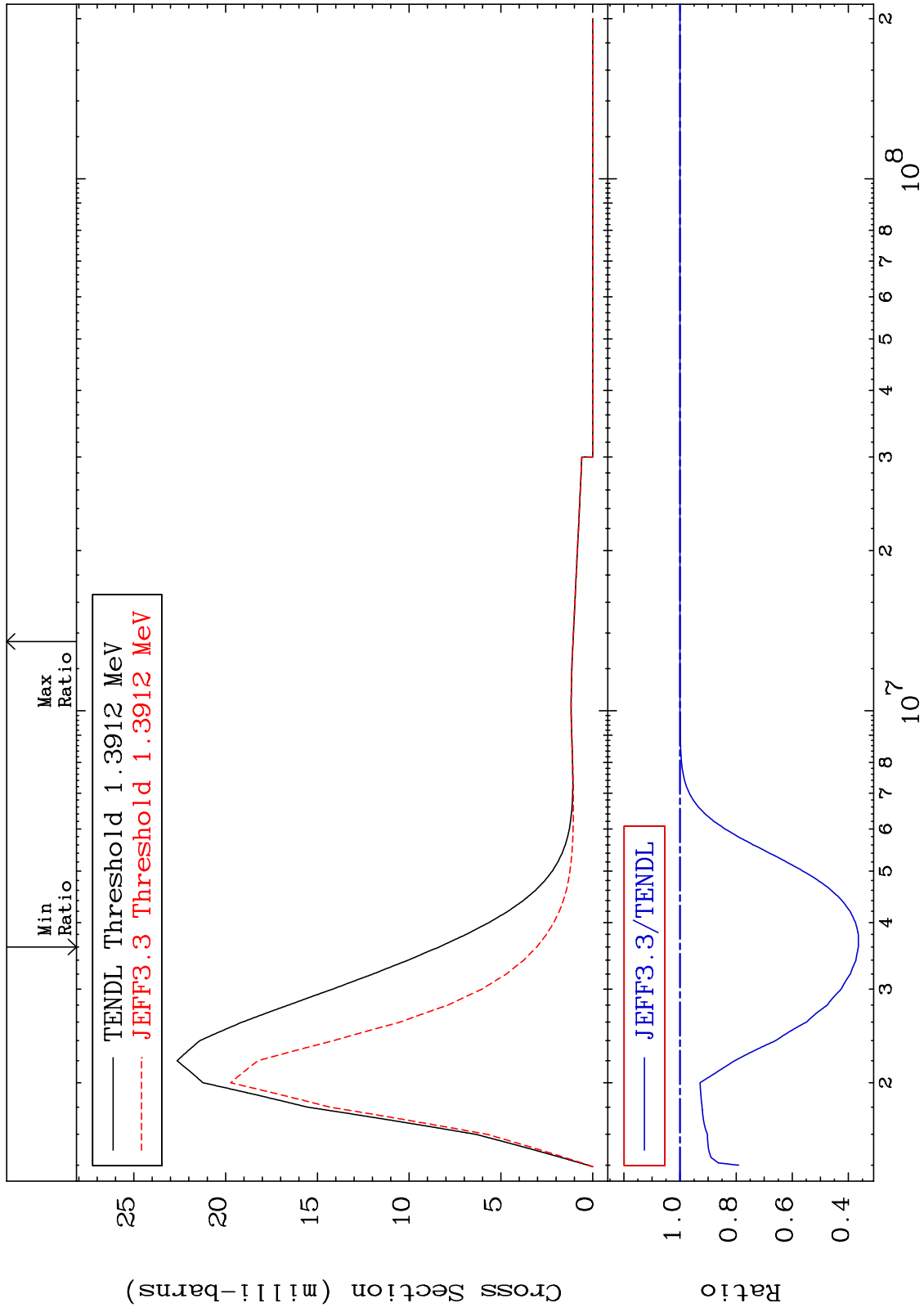
78-Pt-192
-43.08 To 0.000 %



MAT 7831

MT= 59 (n, n') Level
Cross Section

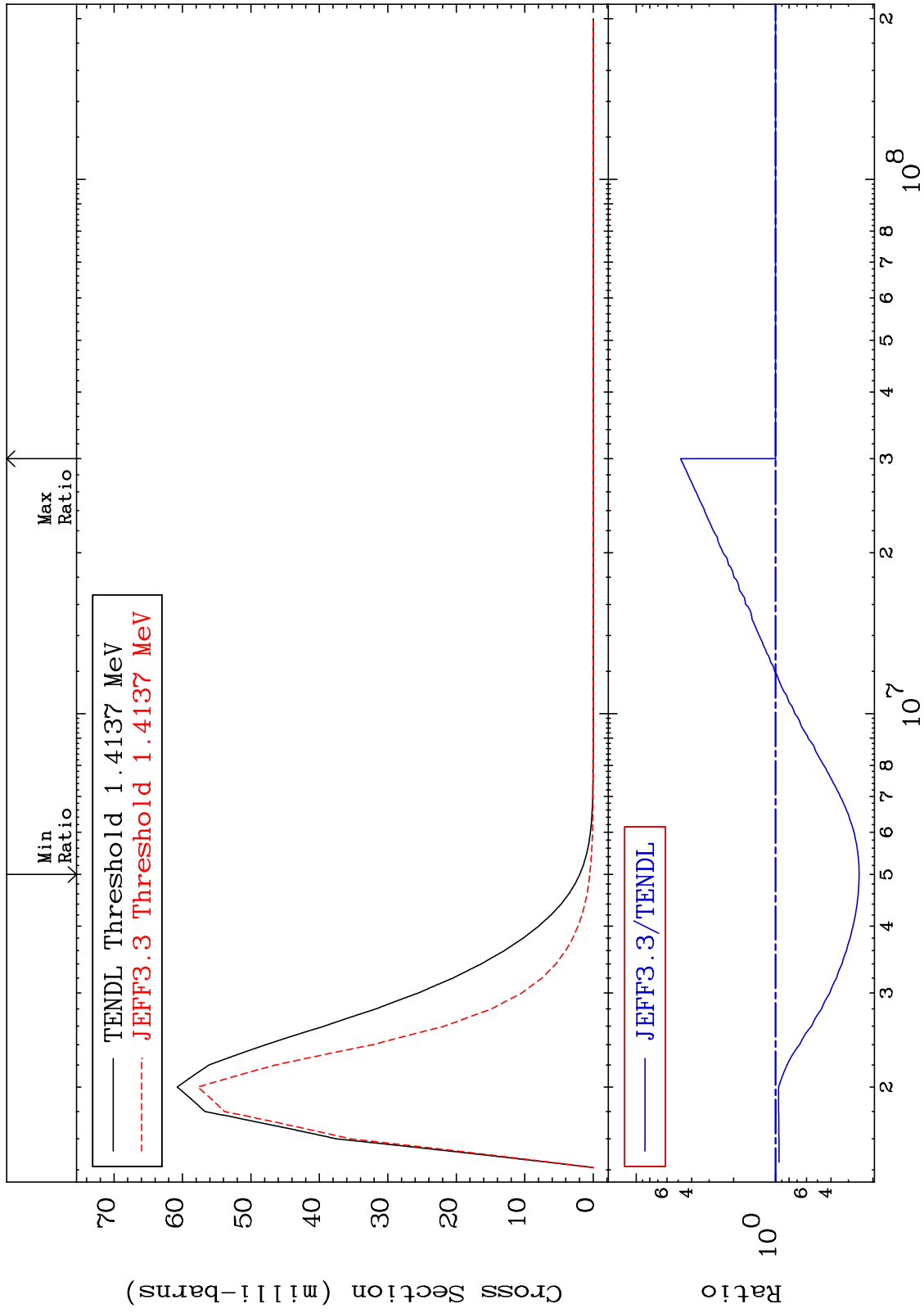
78-Pt-192
-63.56 To 0.000 %



MAT 7831

MT= 60 (n,n') Level
Cross Section

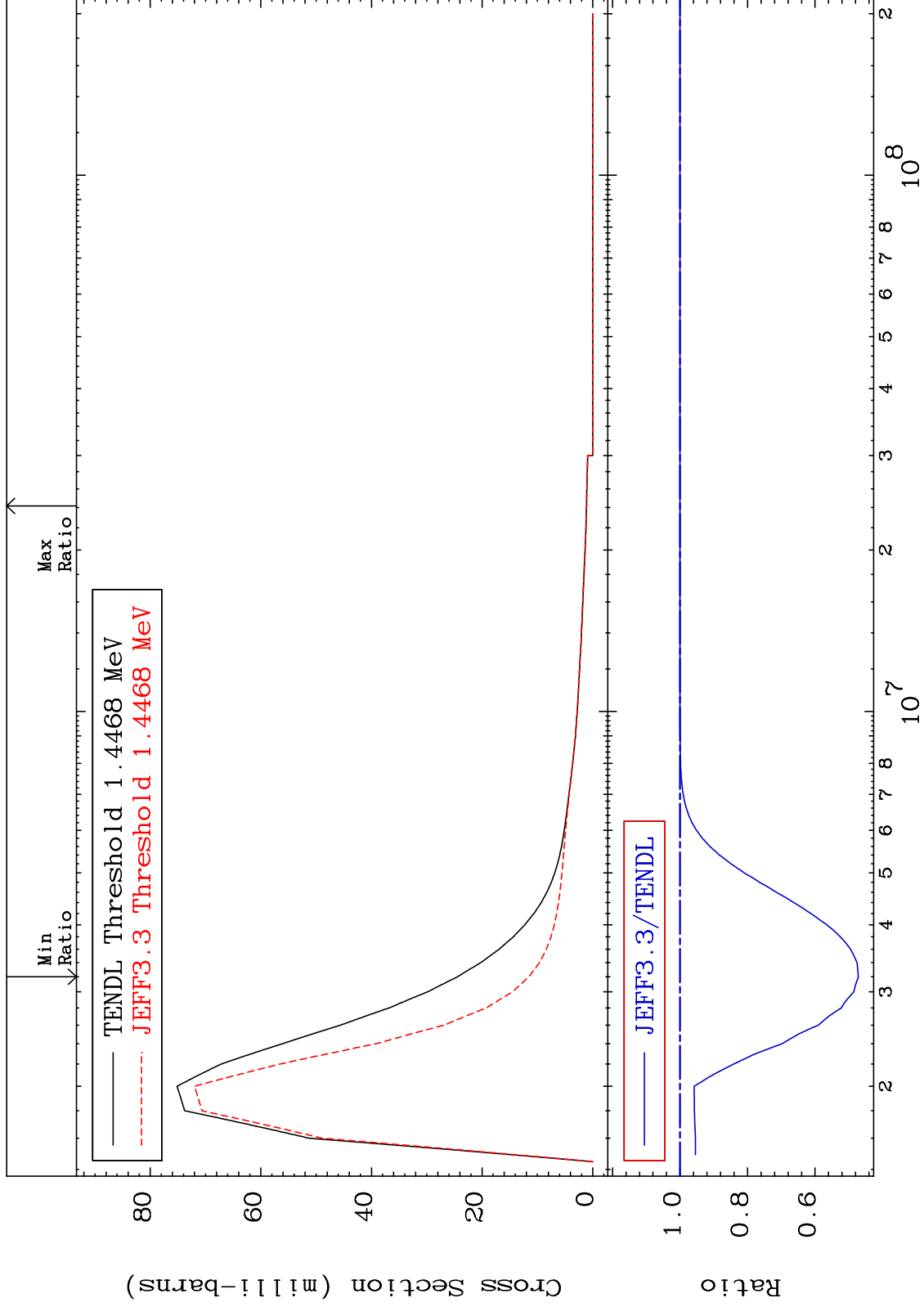
78-Pt-192
-74.89 To 379.9 %



MAT 7831

MT= 61 (n, n') Level
Cross Section

78-Pt-192
-52.84 To 0.000 %



30

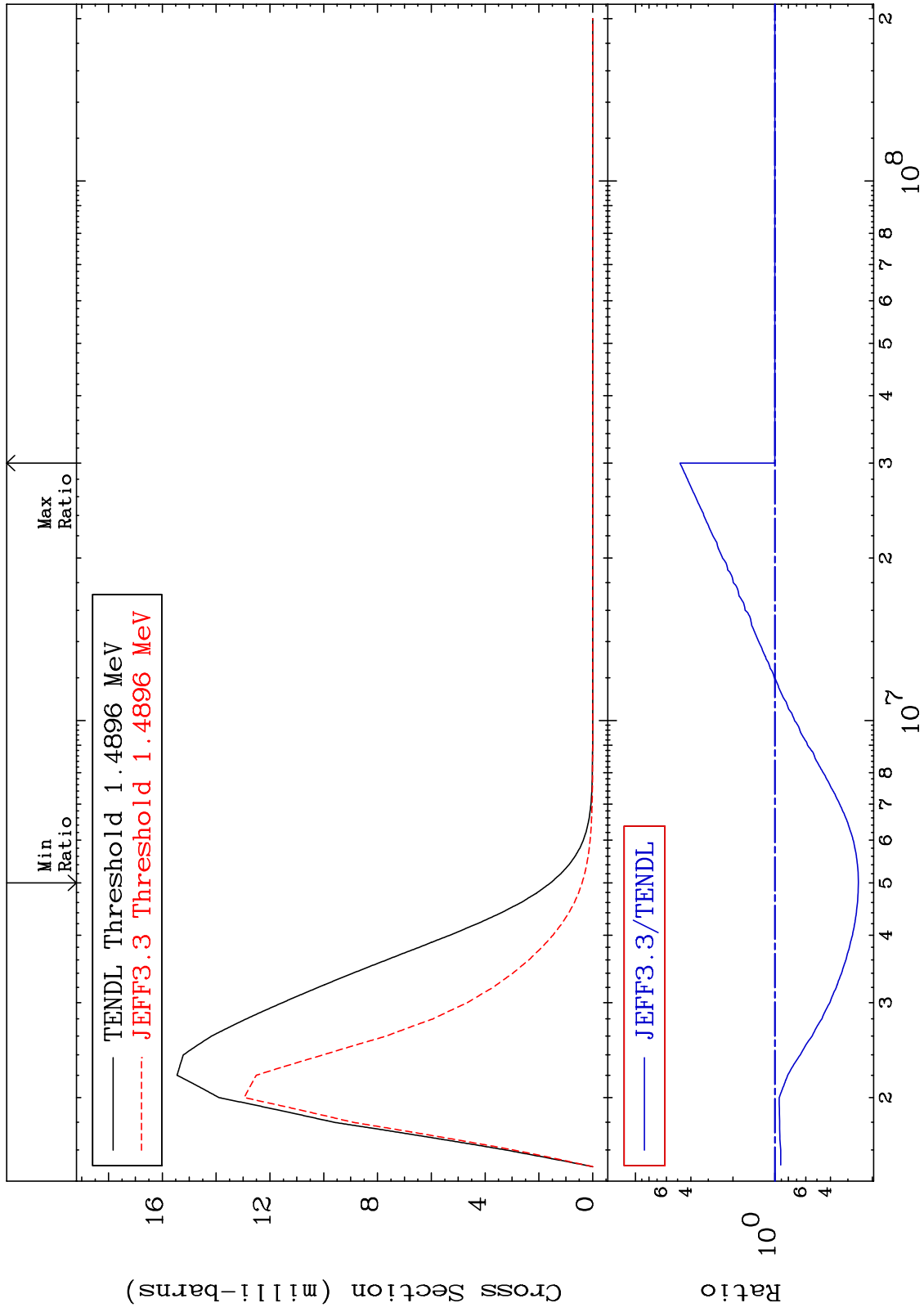
Incident Energy (eV)

78-Pt-192

MAT 7831

MT= 62 (n,n') Level
Cross Section

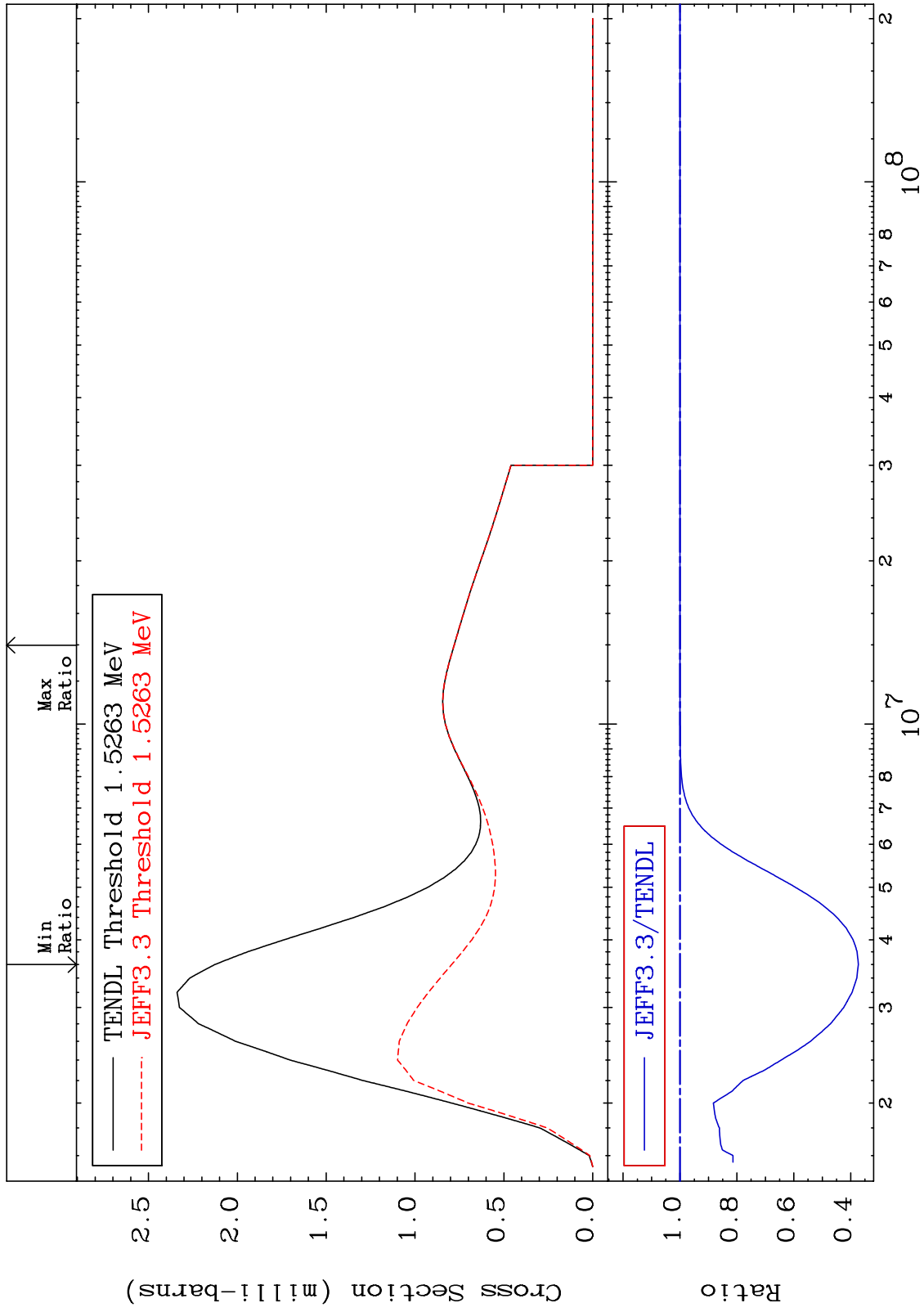
78-Pt-192
-74.80 To 379.2 %



MAT 7831

MT= 63 (n,n') Level
Cross Section

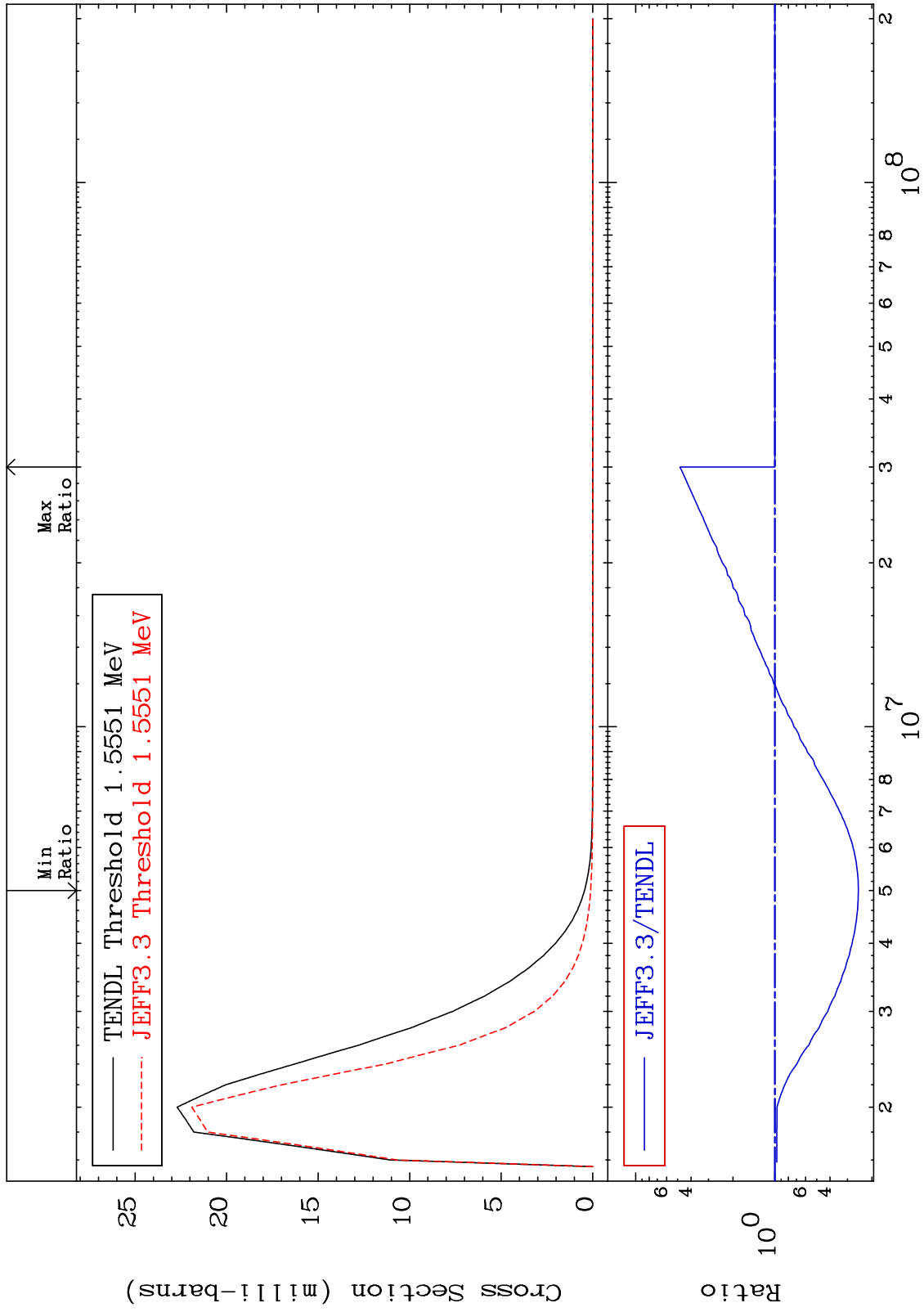
78-Pt-192
-62.70 To 0.000 %



MAT 7831

MT= 64 (n,n') Level
Cross Section

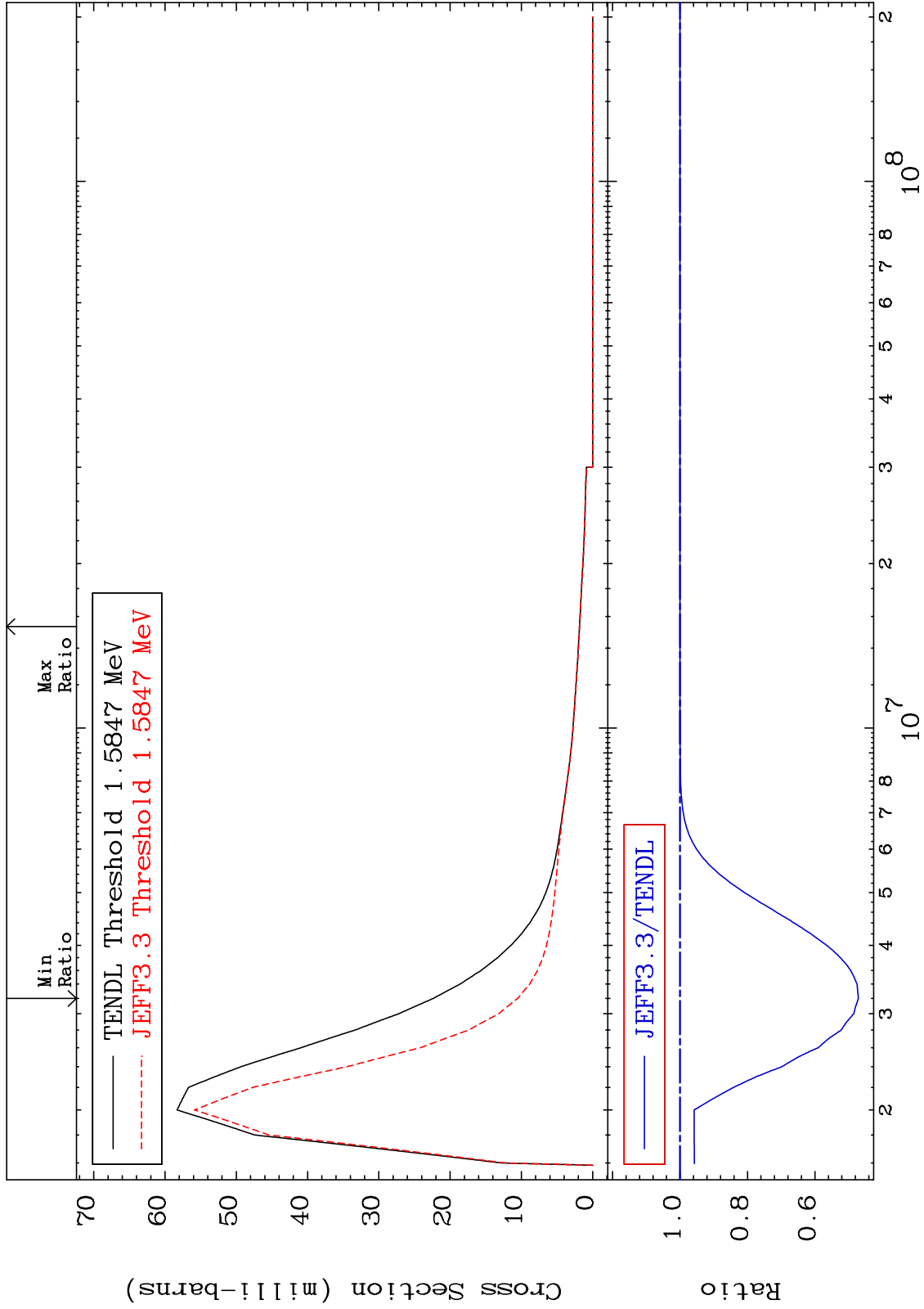
78-Pt-192
-74.97 To 380.2 %



MAT 7831

MT= 65 (n,n') Level
Cross Section

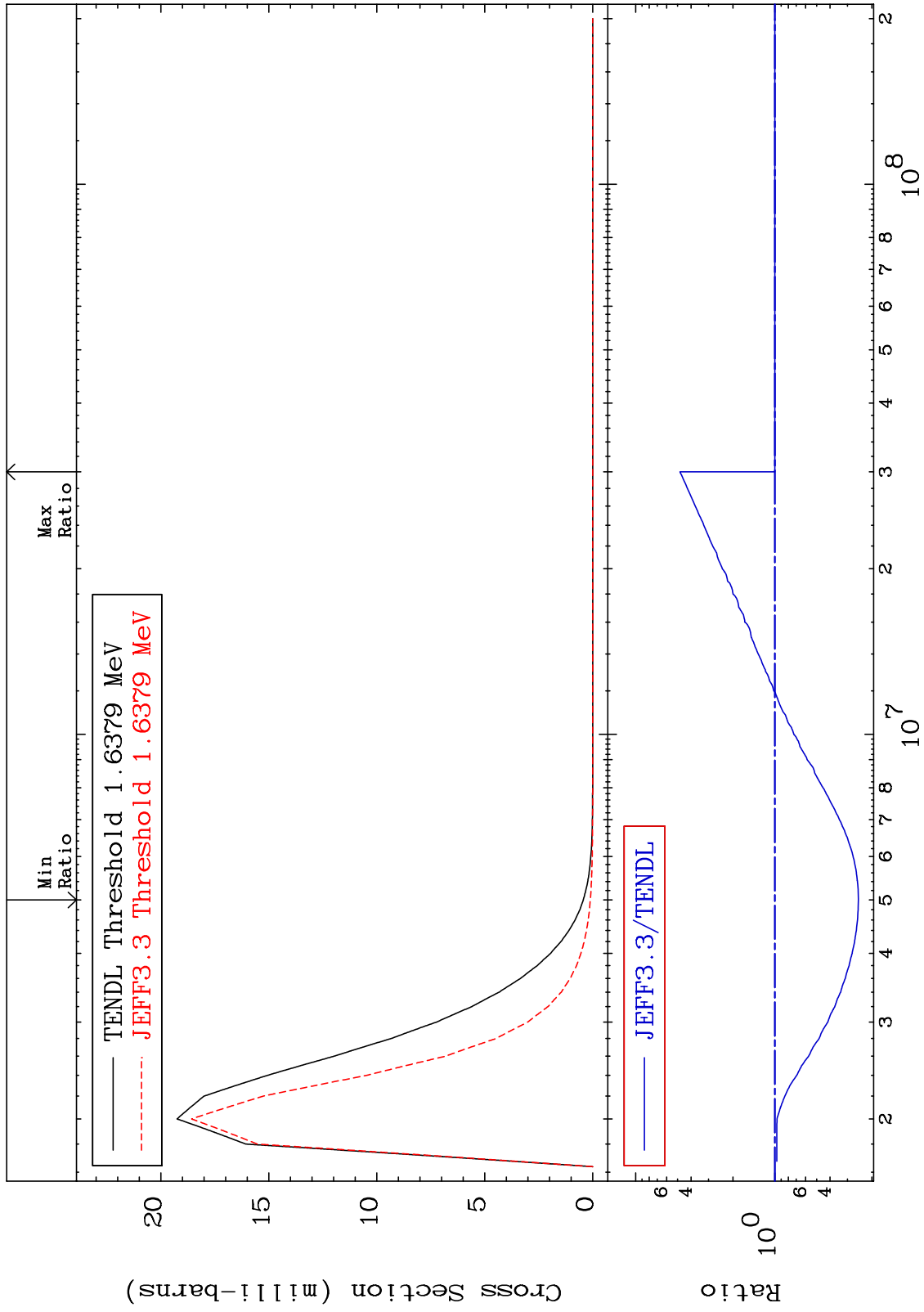
78-Pt-192
-52.90 To 0.000 %



MAT 7831

MT= 66 (n,n') Level
Cross Section

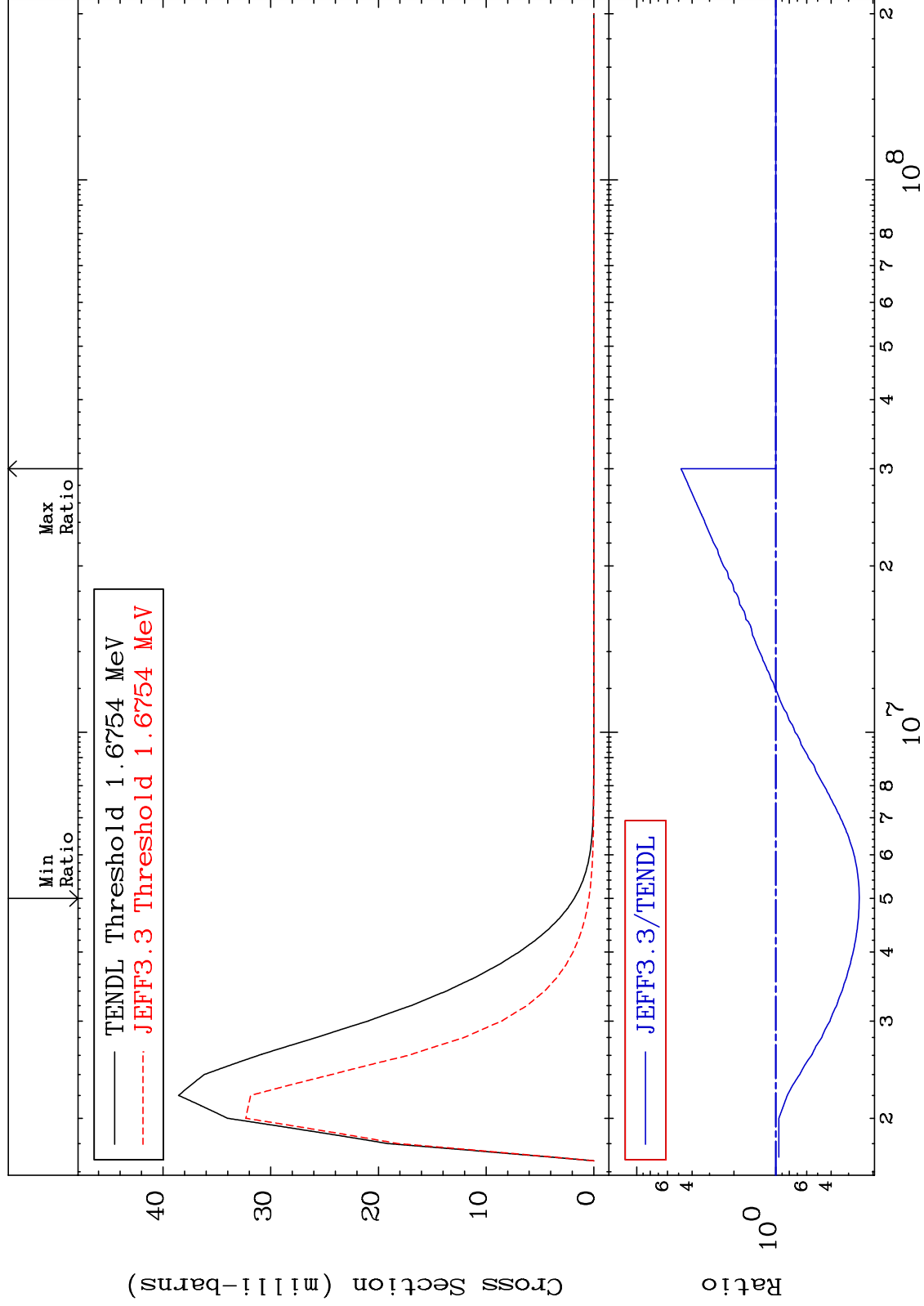
78-Pt-192
-74.97 To 380.2 %



MAT 7831

MT= 67 (n,n') Level
Cross Section

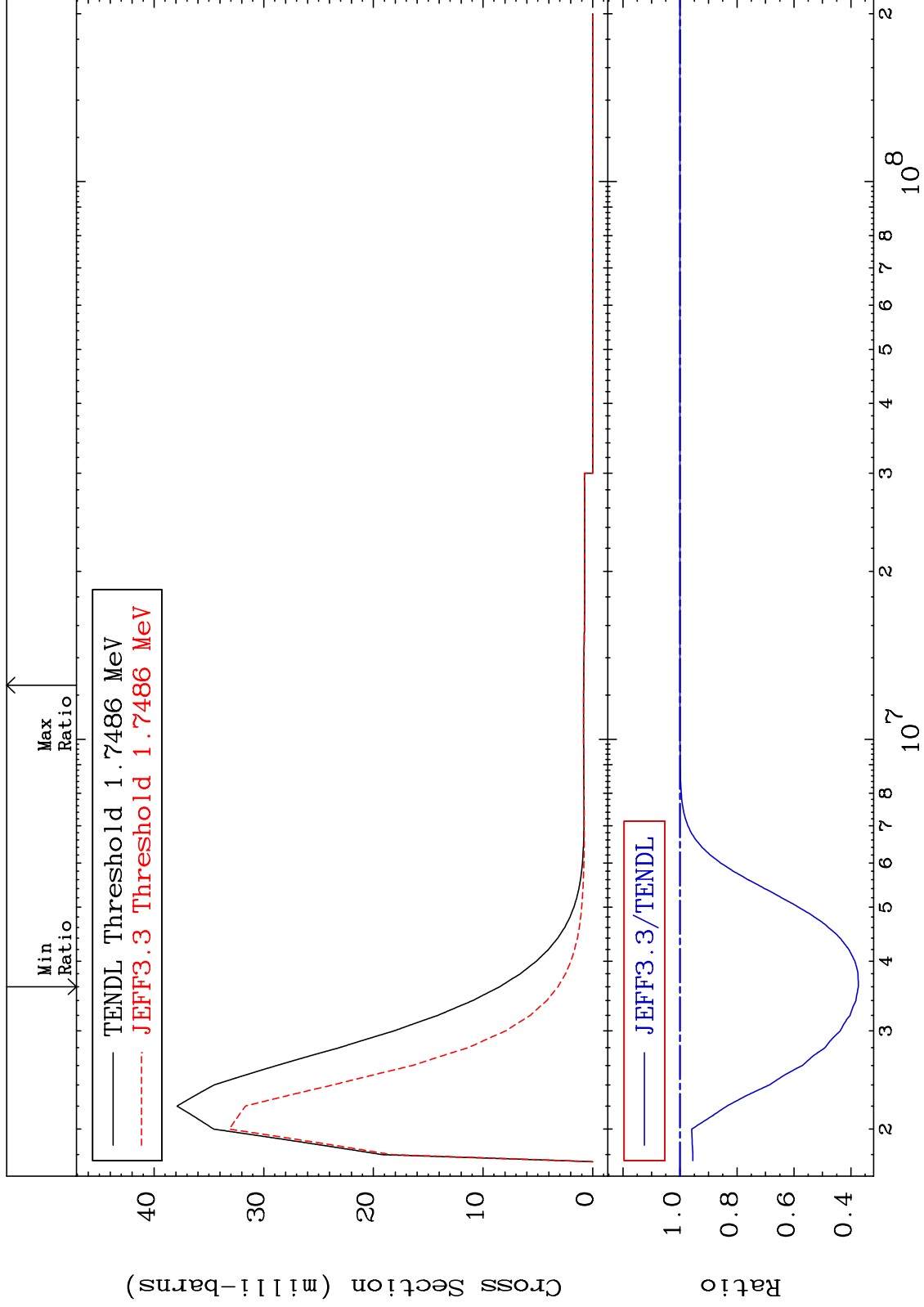
78-Pt-192
-74.90 To 379.9 %



MAT 7831

MT= 68 (n,n') Level
Cross Section

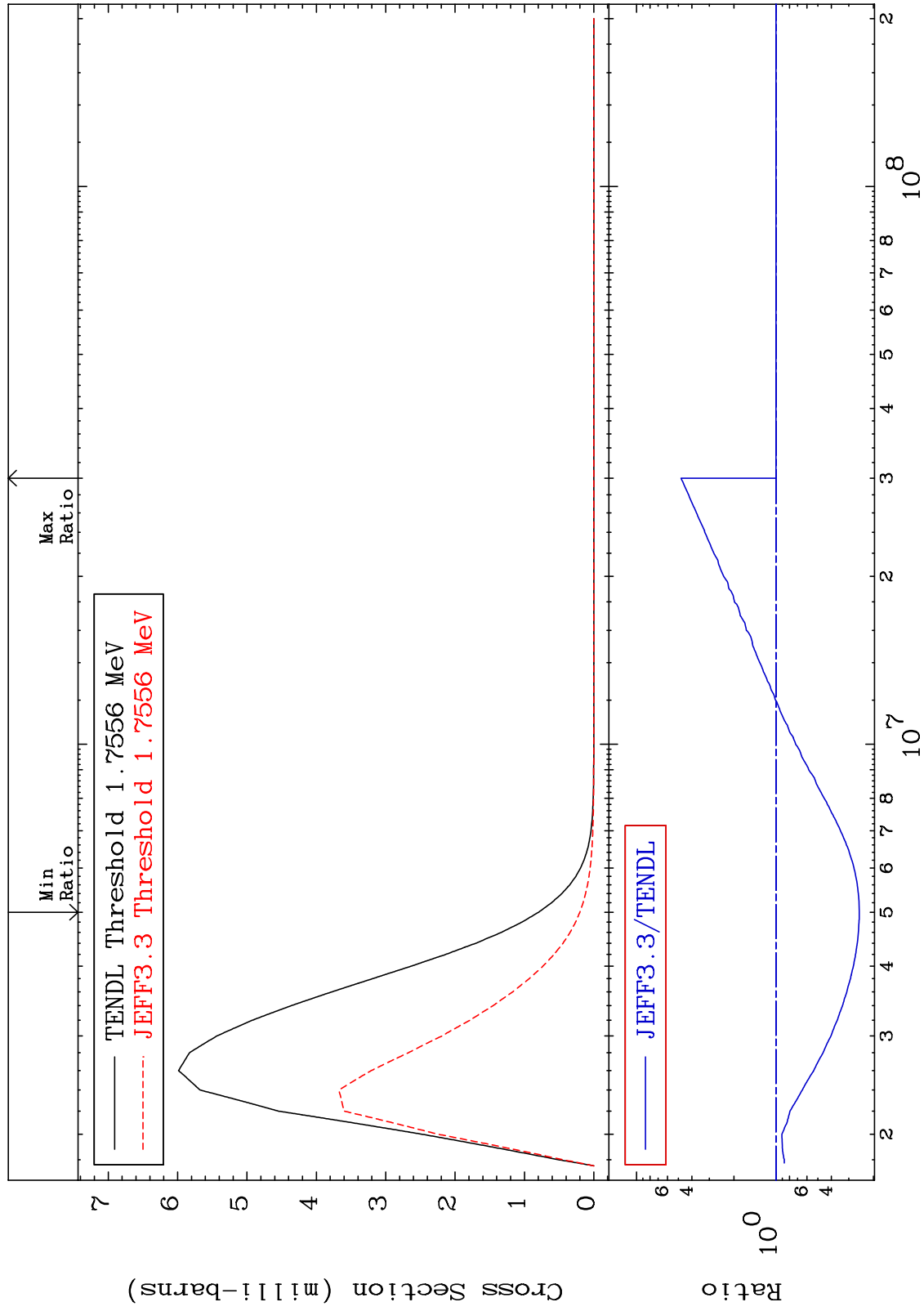
78-Pt-192
-62.61 To 0.000 %



MAT 7831

MT= 69 (n,n') Level
Cross Section

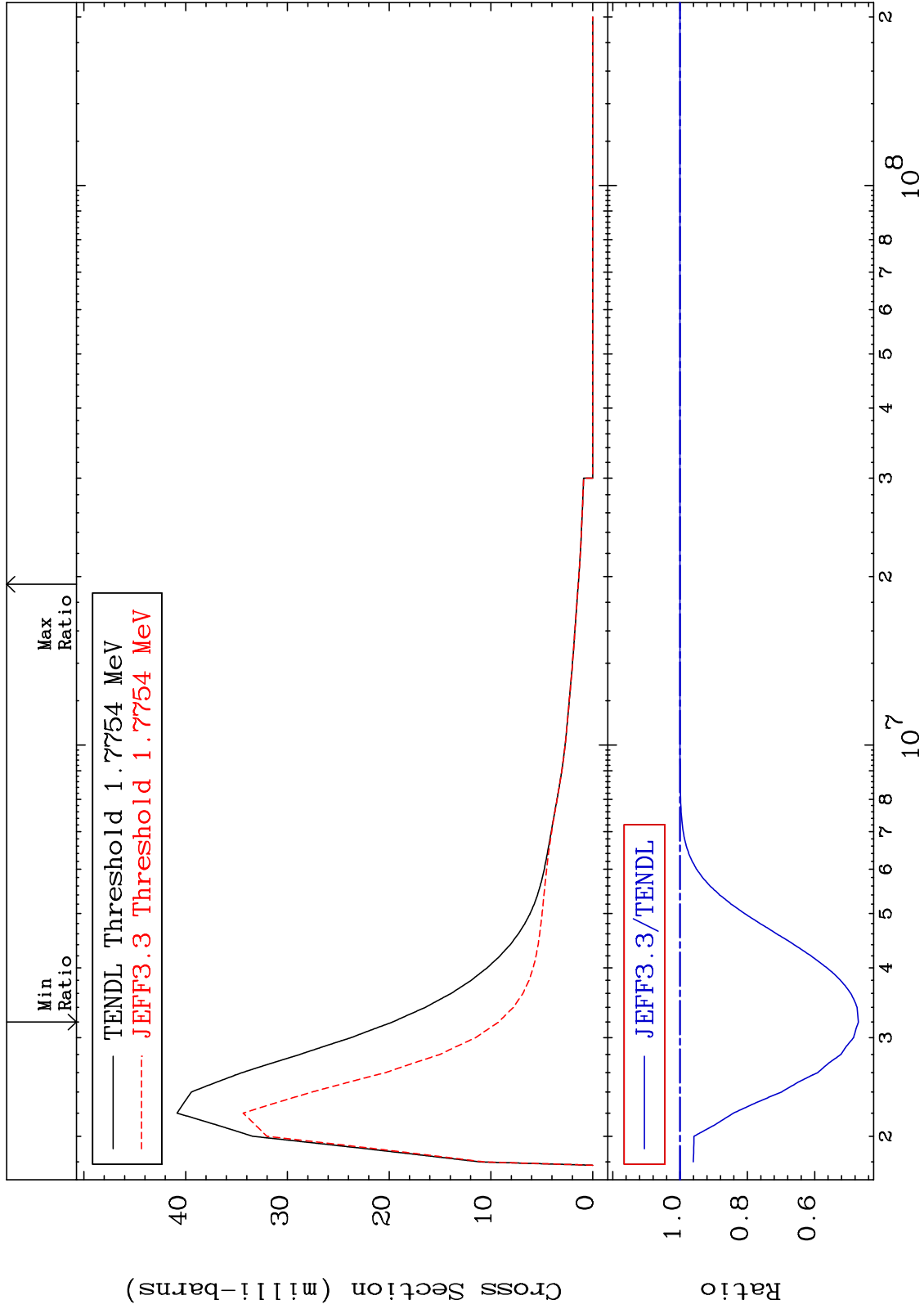
78-Pt-192
-74.76 To 378.8 %



MAT 7831

MT= 70 (n,n') Level
Cross Section

78-Pt-192
-52.99 To 0.000 %



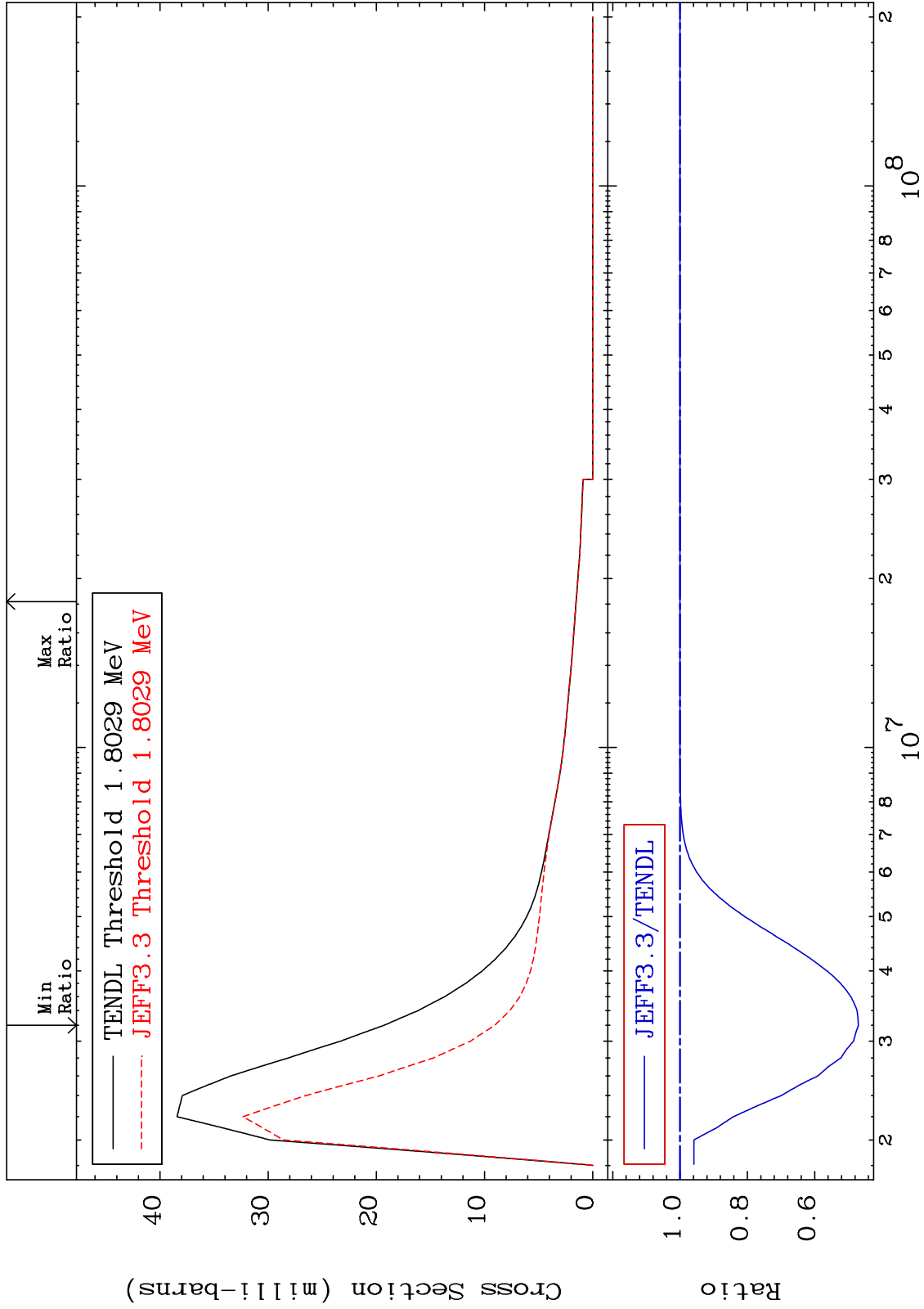
— TENDL Threshold 1.7754 MeV
- - - JEFF3.3 Threshold 1.7754 MeV

— JEFF3.3/TENDL

MAT 7831

MT= 71 (n,n') Level
Cross Section

78-Pt-192
-53.01 To 0.000 %



40

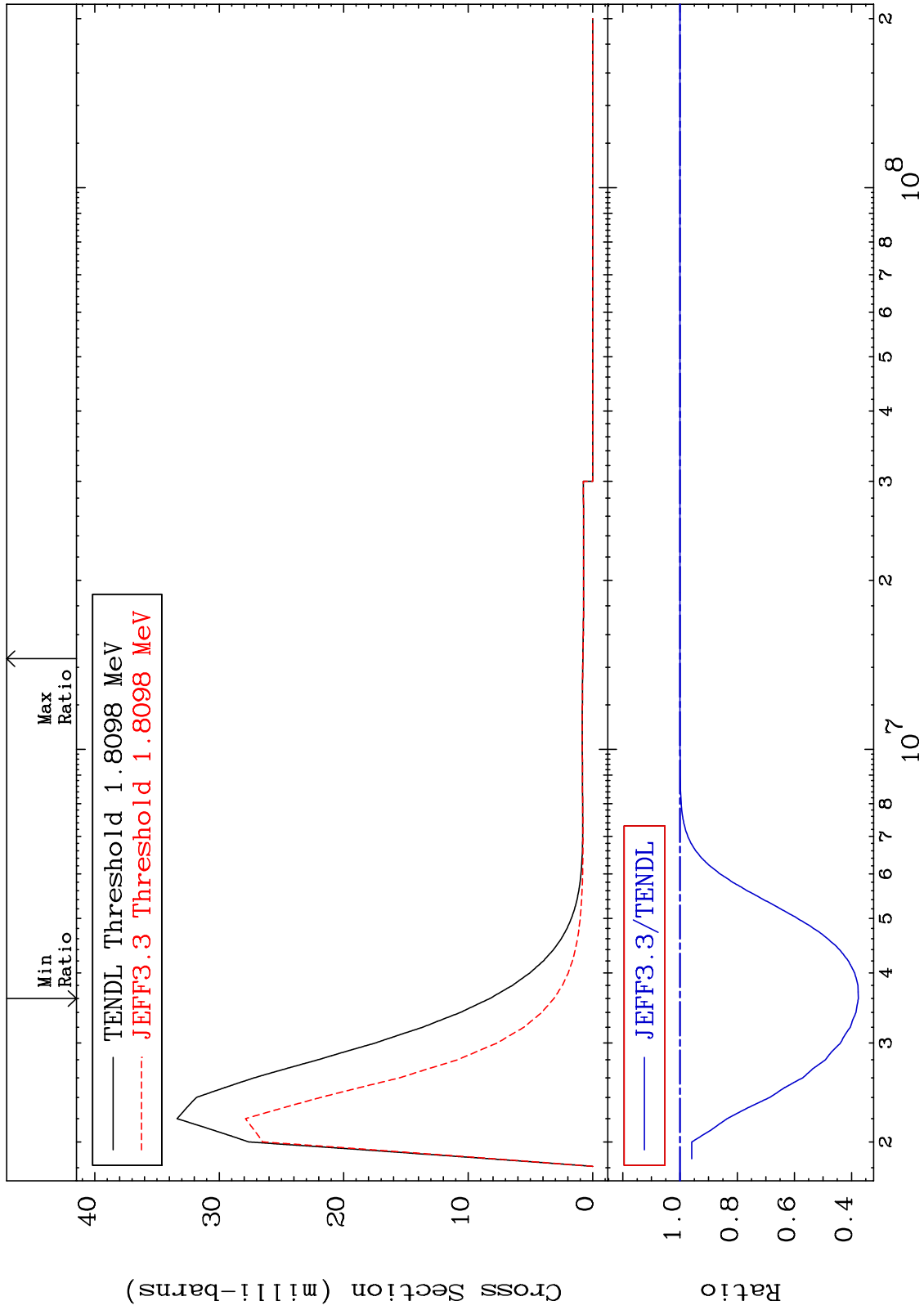
Incident Energy (eV)

78-Pt-192

MAT 7831

MT= 72 (n,n') Level
Cross Section

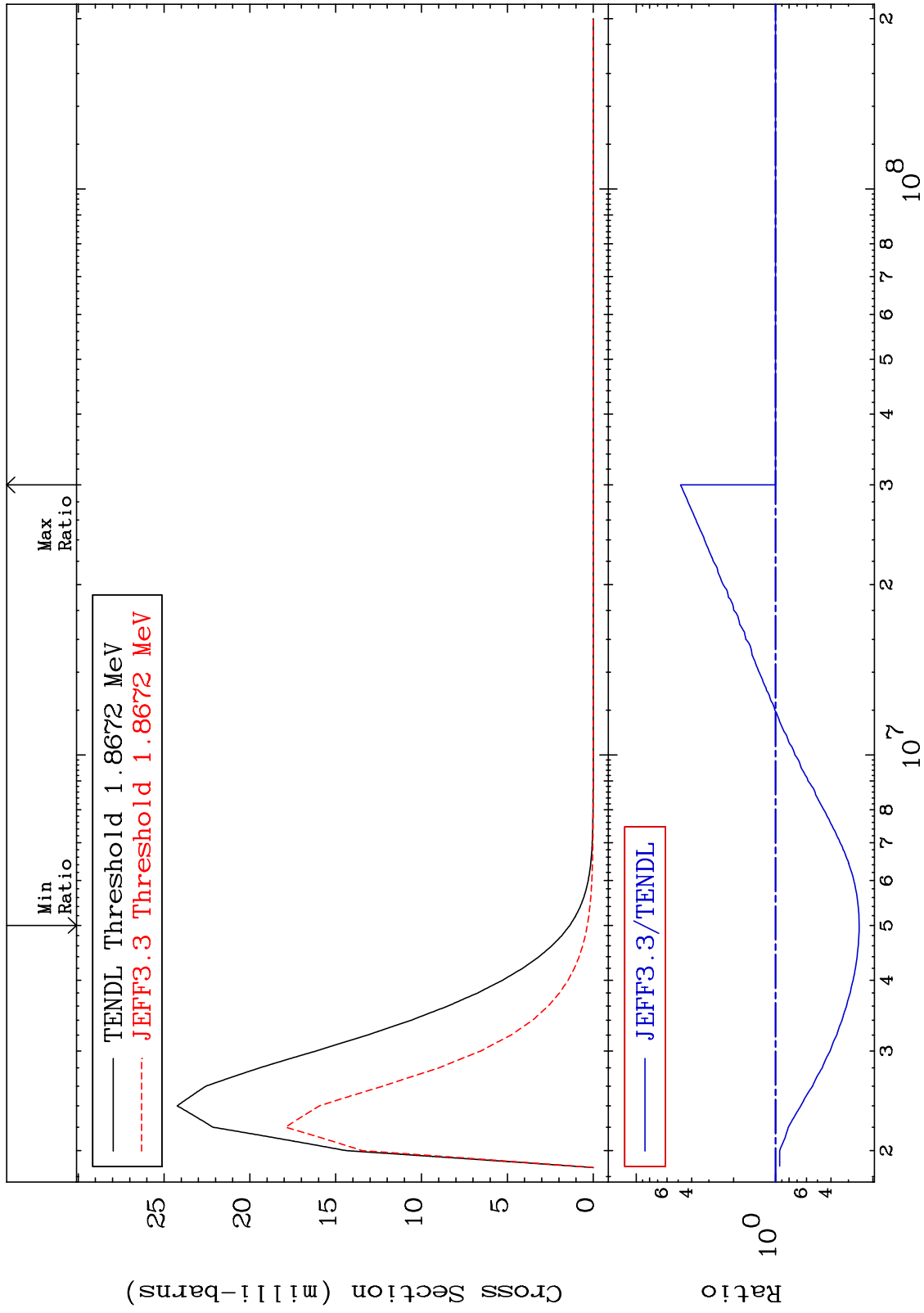
78-Pt-192
-62.39 To 0.000 %



MAT 7831

MT= 73 (n,n') Level
Cross Section

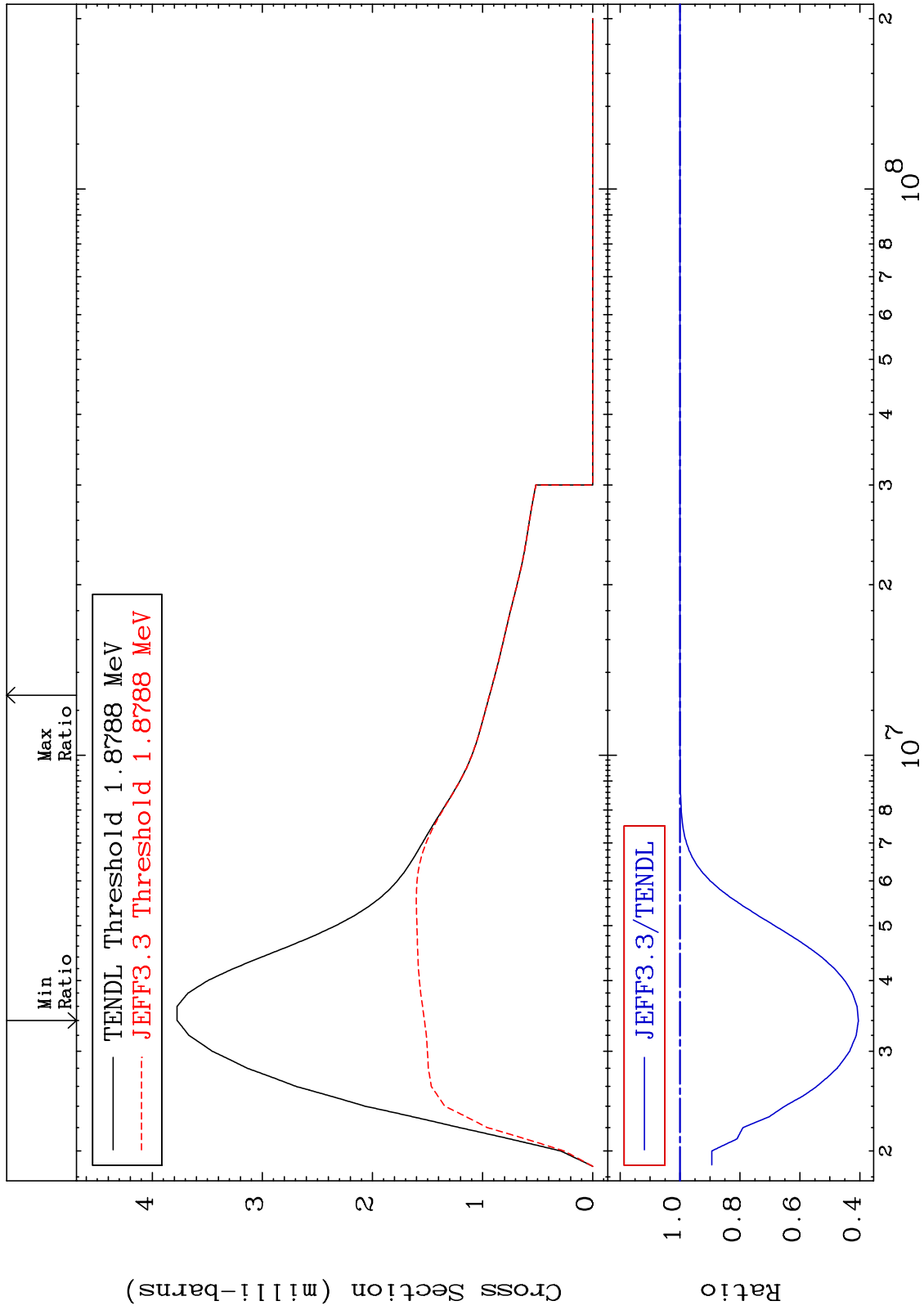
78-Pt-192
-74.89 To 379.6 %



MAT 7831

MT= 74 (n,n') Level
Cross Section

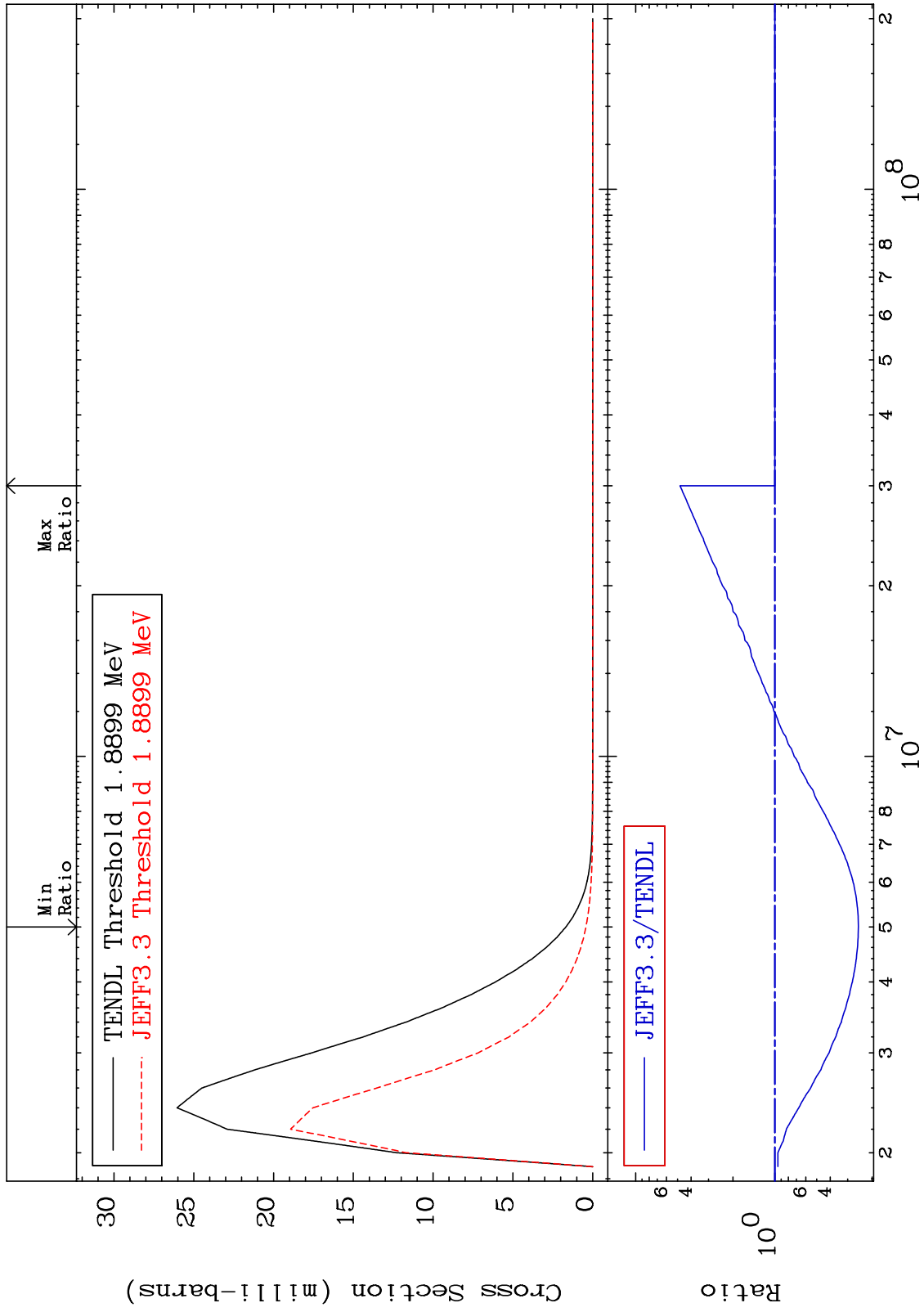
78-Pt-192
-59.53 To 0.000 %



MAT 7831

MT= 75 (n,n') Level
Cross Section

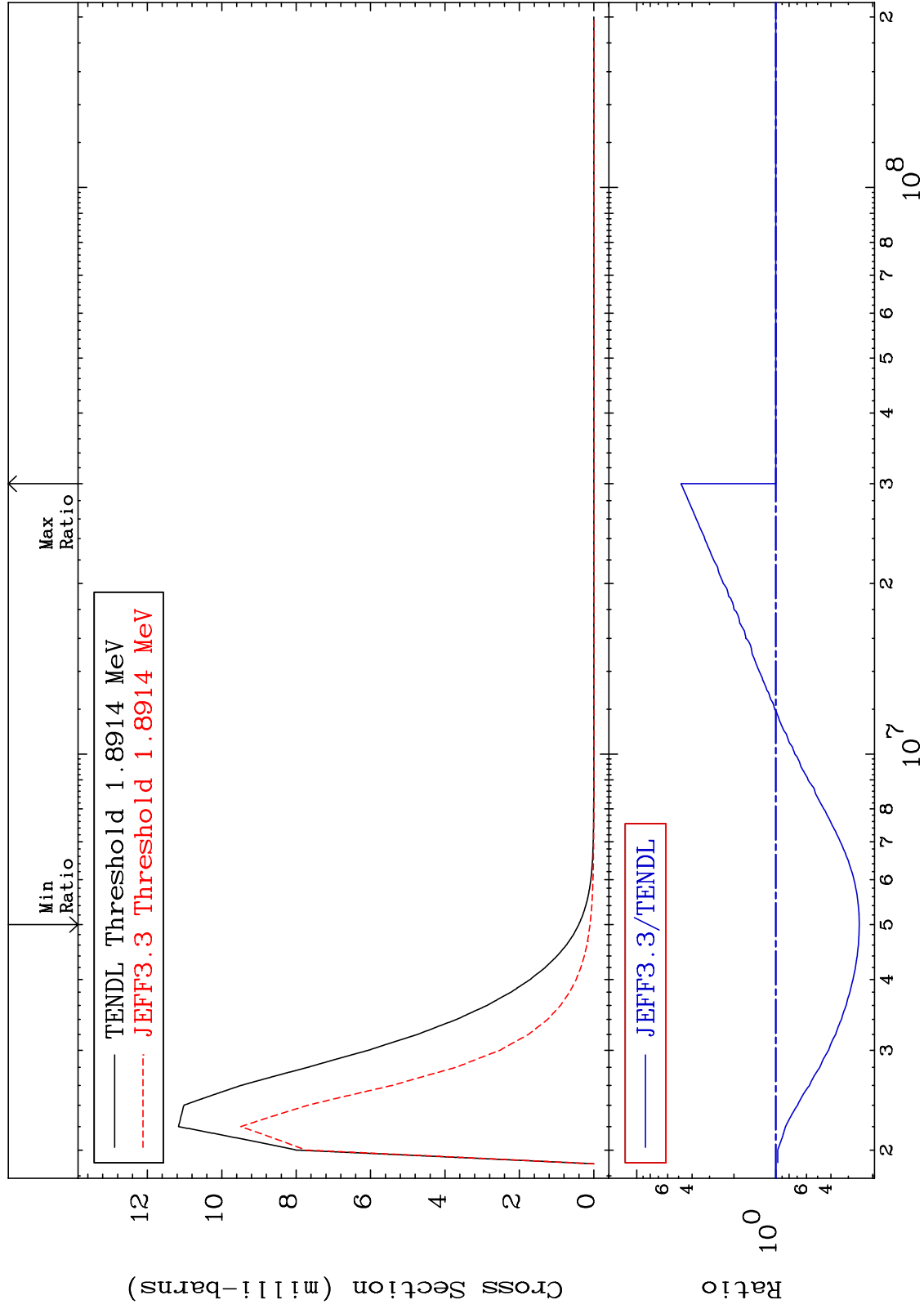
78-Pt-192
-74.90 To 379.9 %



MAT 7831

MT= 76 (n,n') Level
Cross Section

78-Pt-192
-74.98 To 380.2 %



45

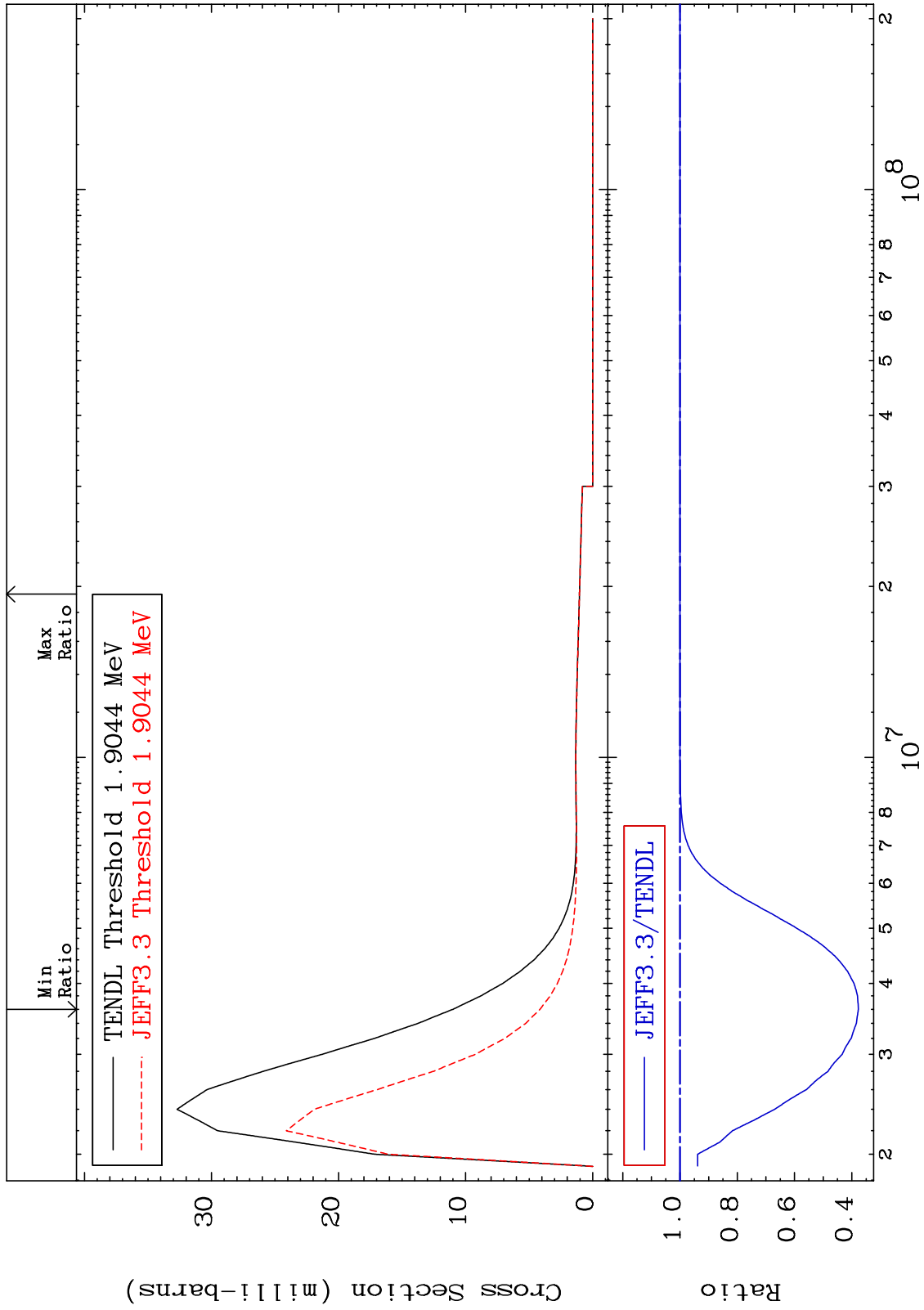
Incident Energy (eV)

78-Pt-192

MAT 7831

MT= 77 (n, n') Level
Cross Section

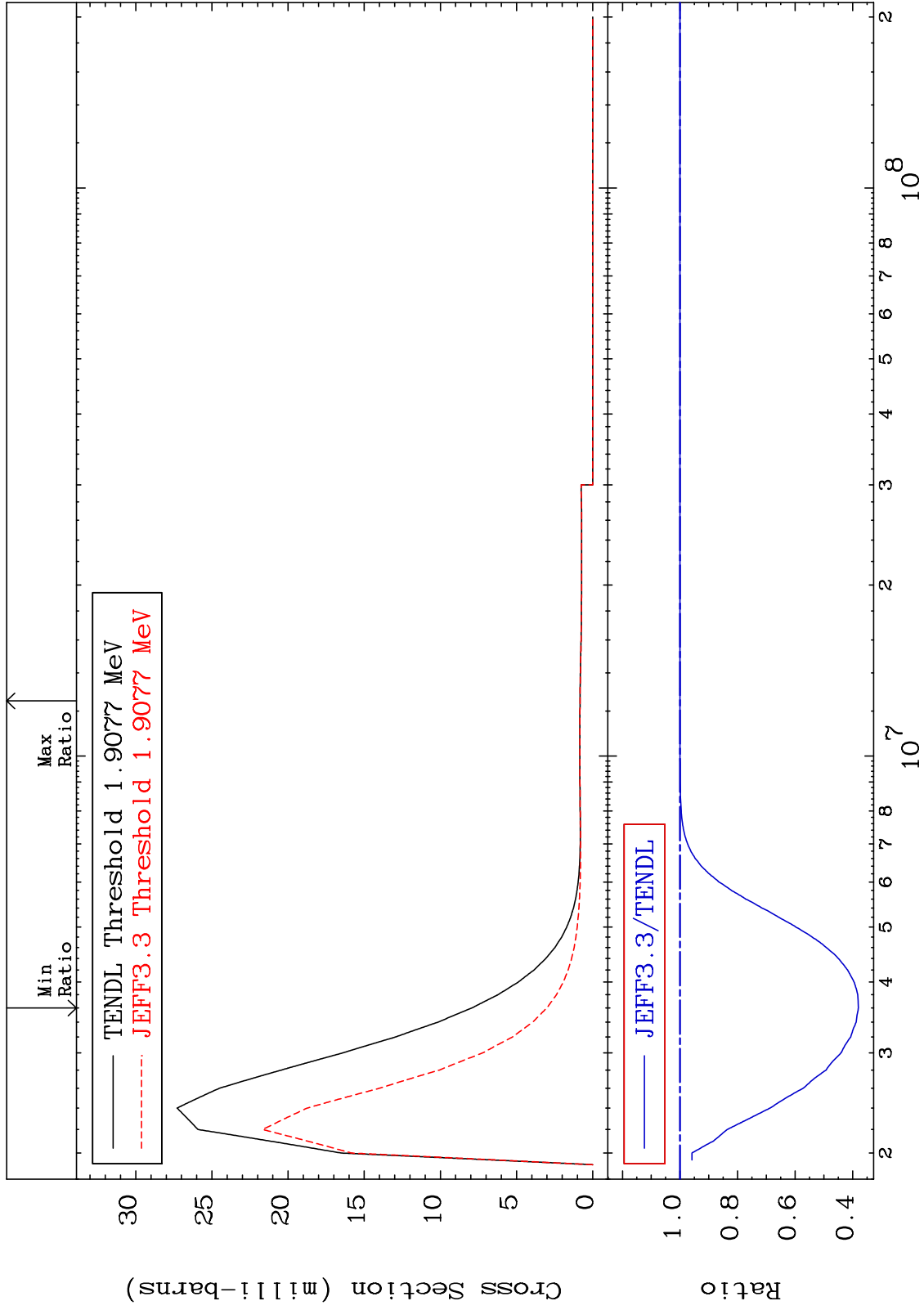
78-Pt-192
-62.31 To 0.000 %



MAT 7831

MT= 78 (n,n') Level
Cross Section

78-Pt-192
-62.02 To 0.000 %



47

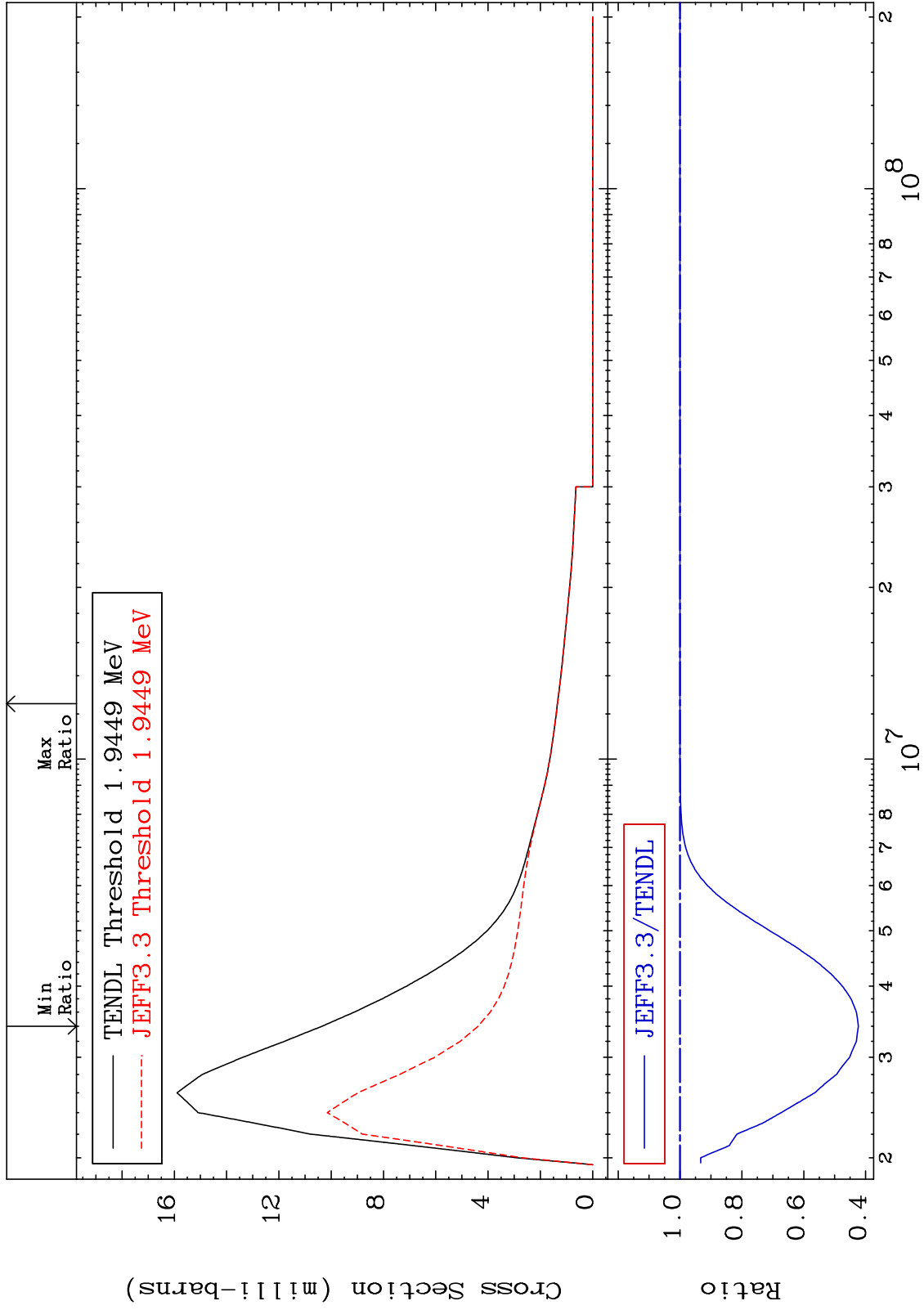
Incident Energy (eV)

78-Pt-192

MAT 7831

MT= 79 (n,n') Level
Cross Section

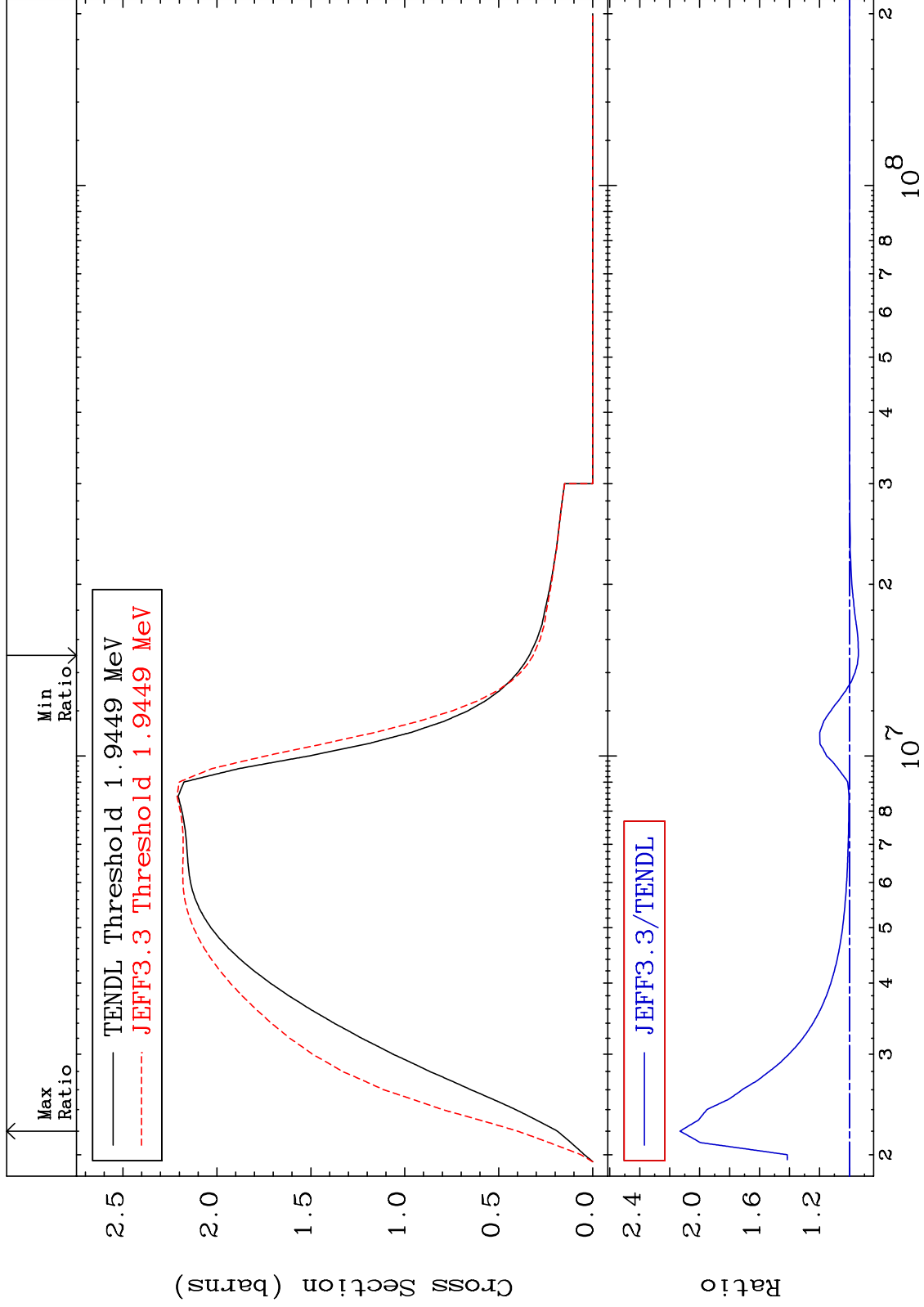
78-Pt-192
-57.67 To 0.000 %



MAT 7831

(n, n') Continuum
Cross Section

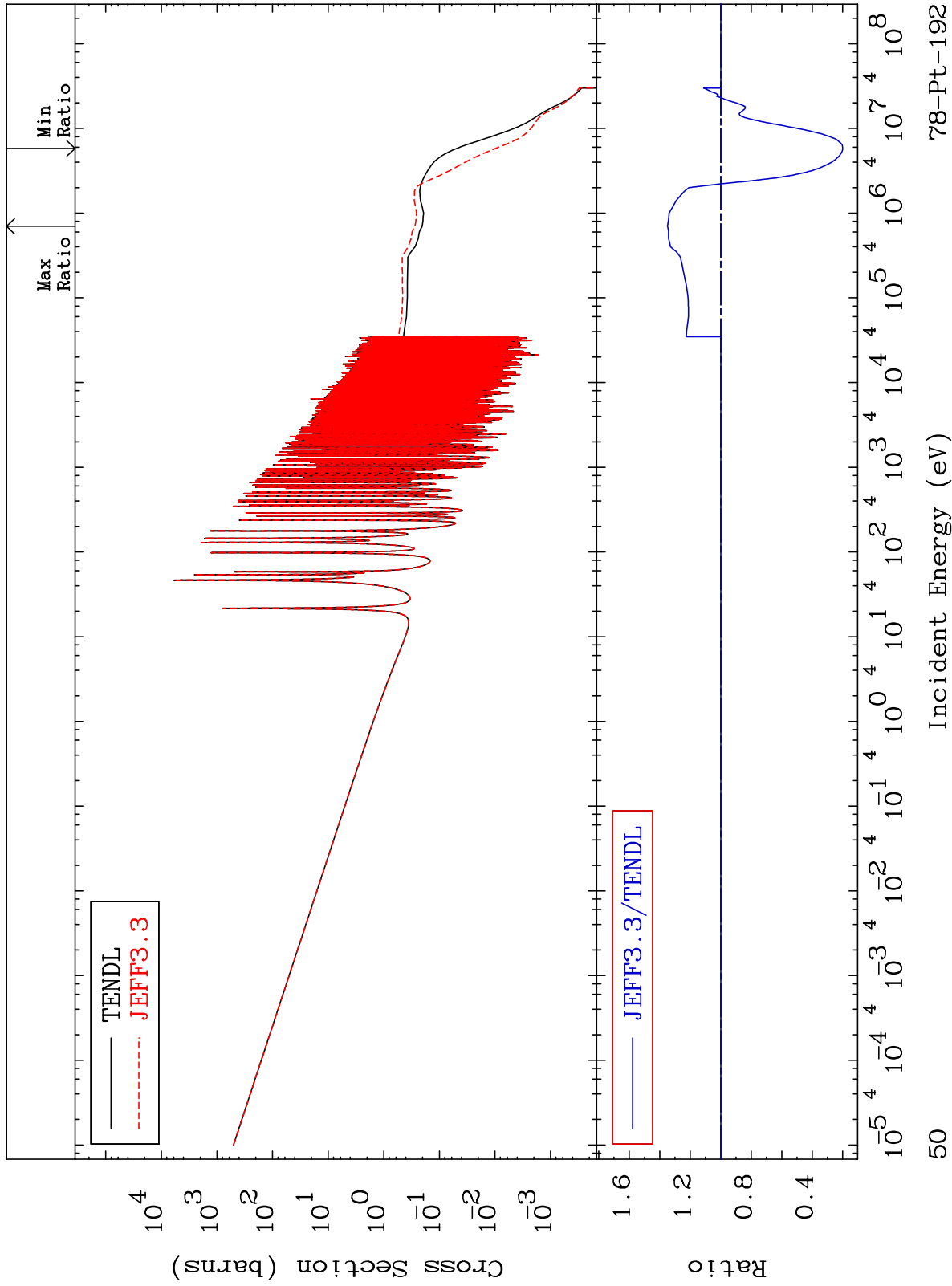
78-Pt-192
-5.994 To 113.1 %



MAT 7831

(n, γ)
Cross Section

78-Pt-192
-79.96 To 34.88 %



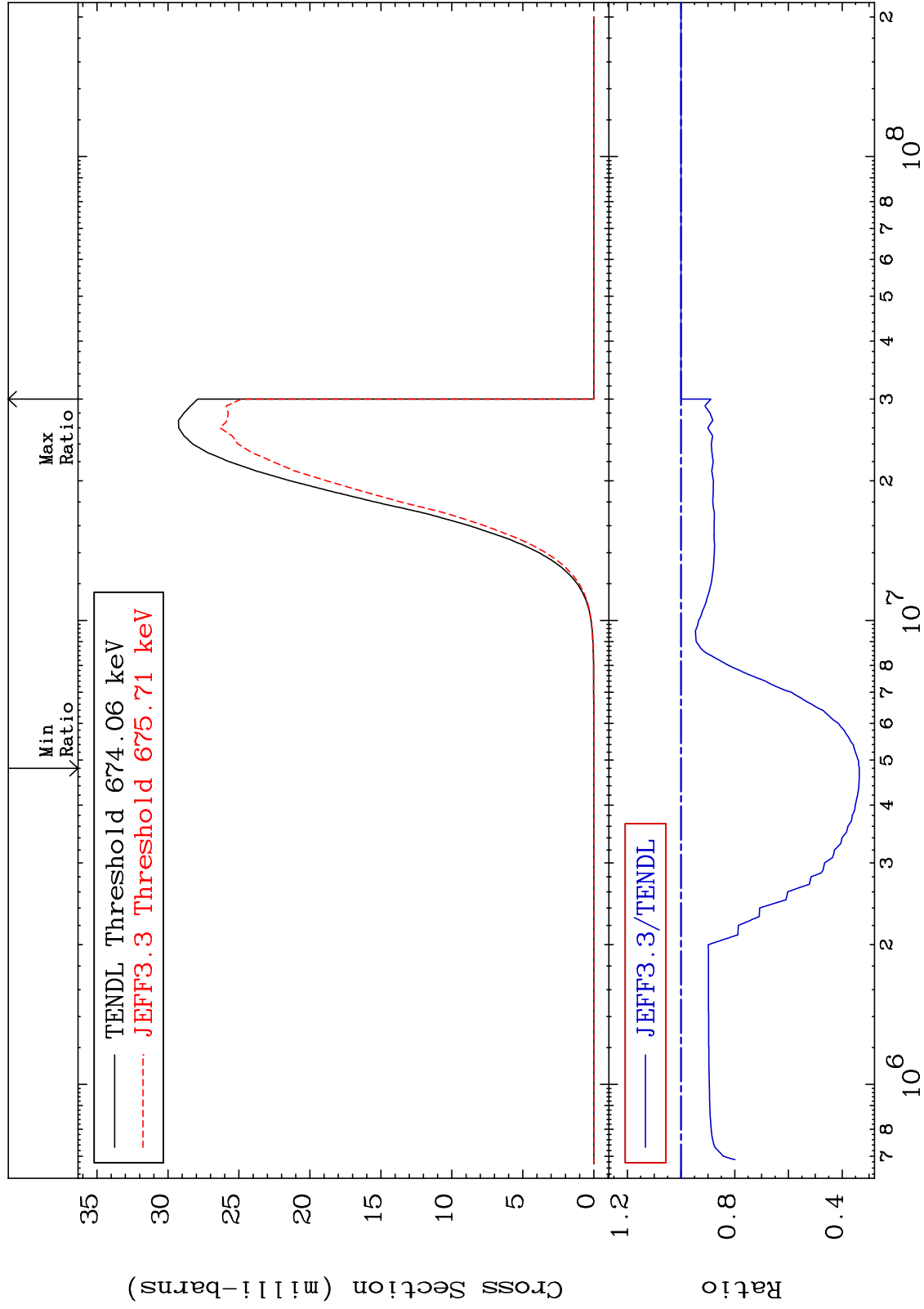
MAT 7831

(n, p)

78-Pt-192

Cross Section

-66.37 To 0.000 %



51

Incident Energy (eV)

78-Pt-192

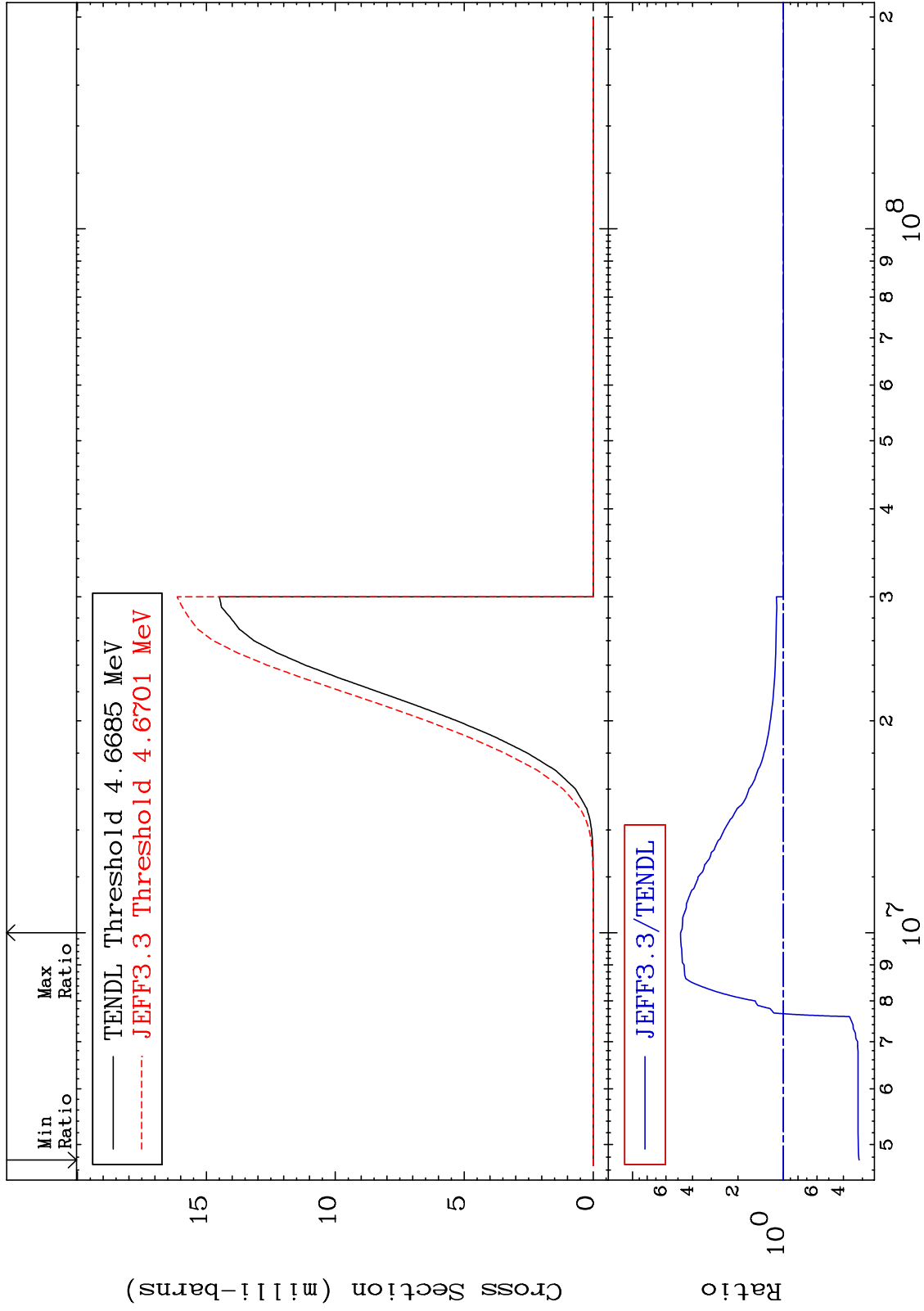
MAT 7831

(n, d)

78-Pt-192

Cross Section

-68.50 To 379.6 %



52

78-Pt-192

78-Pt-192

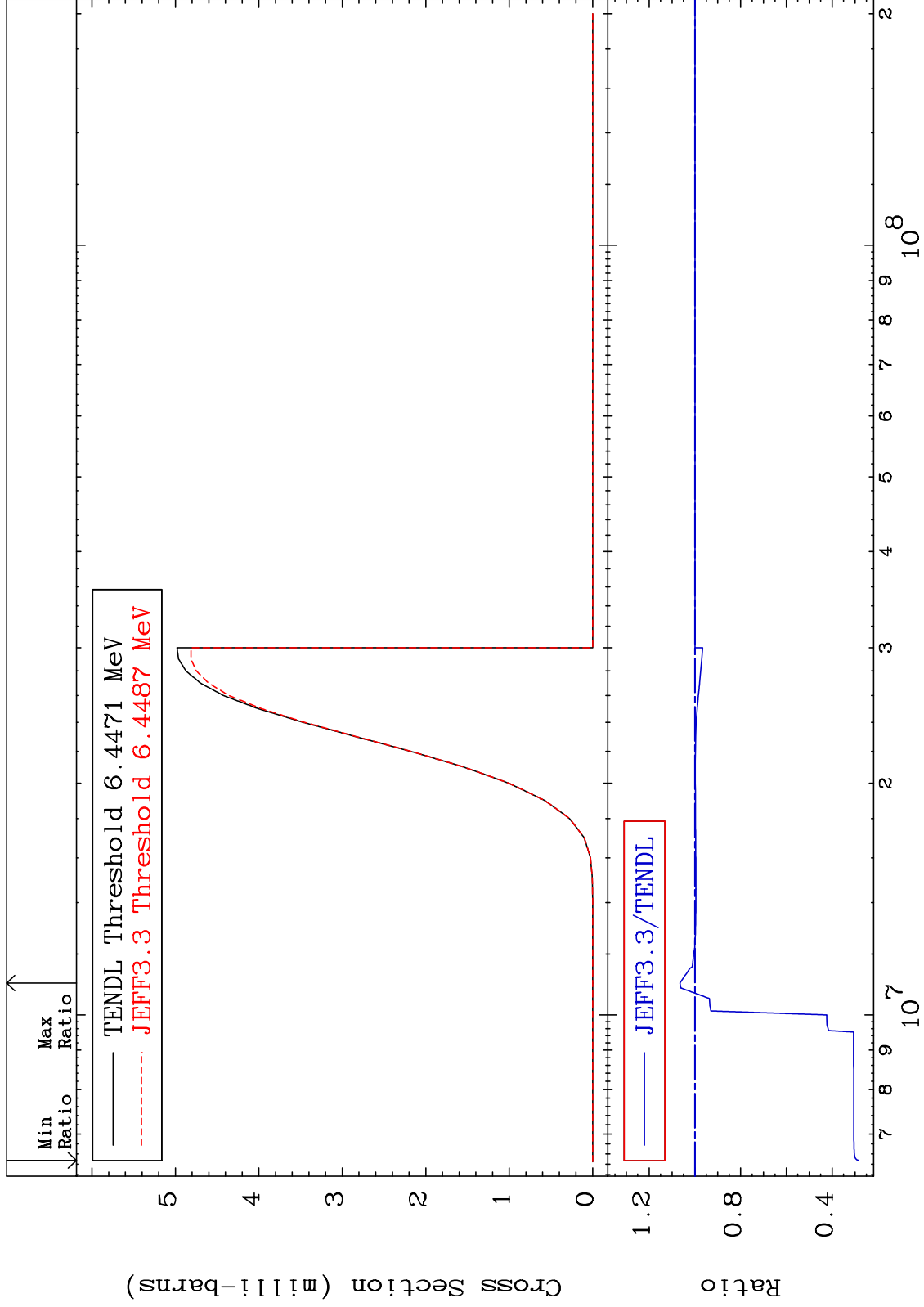
MAT 7831

(n, t)

78-Pt-192

Cross Section

-71.49 To 6.510 %



53

Incident Energy (eV)

78-Pt-192

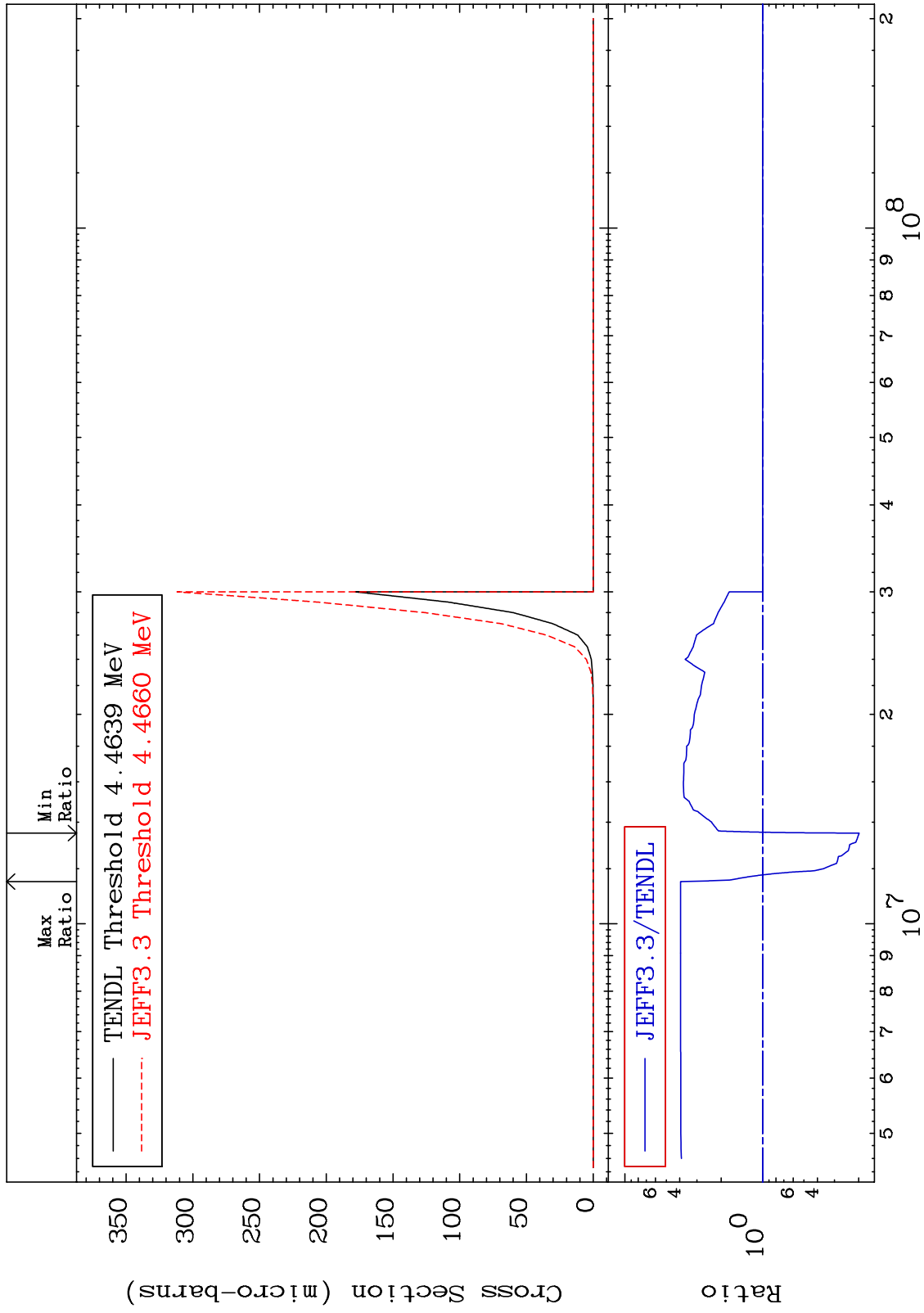
MAT 7831

(n, He-3)

78-Pt-192

Cross Section

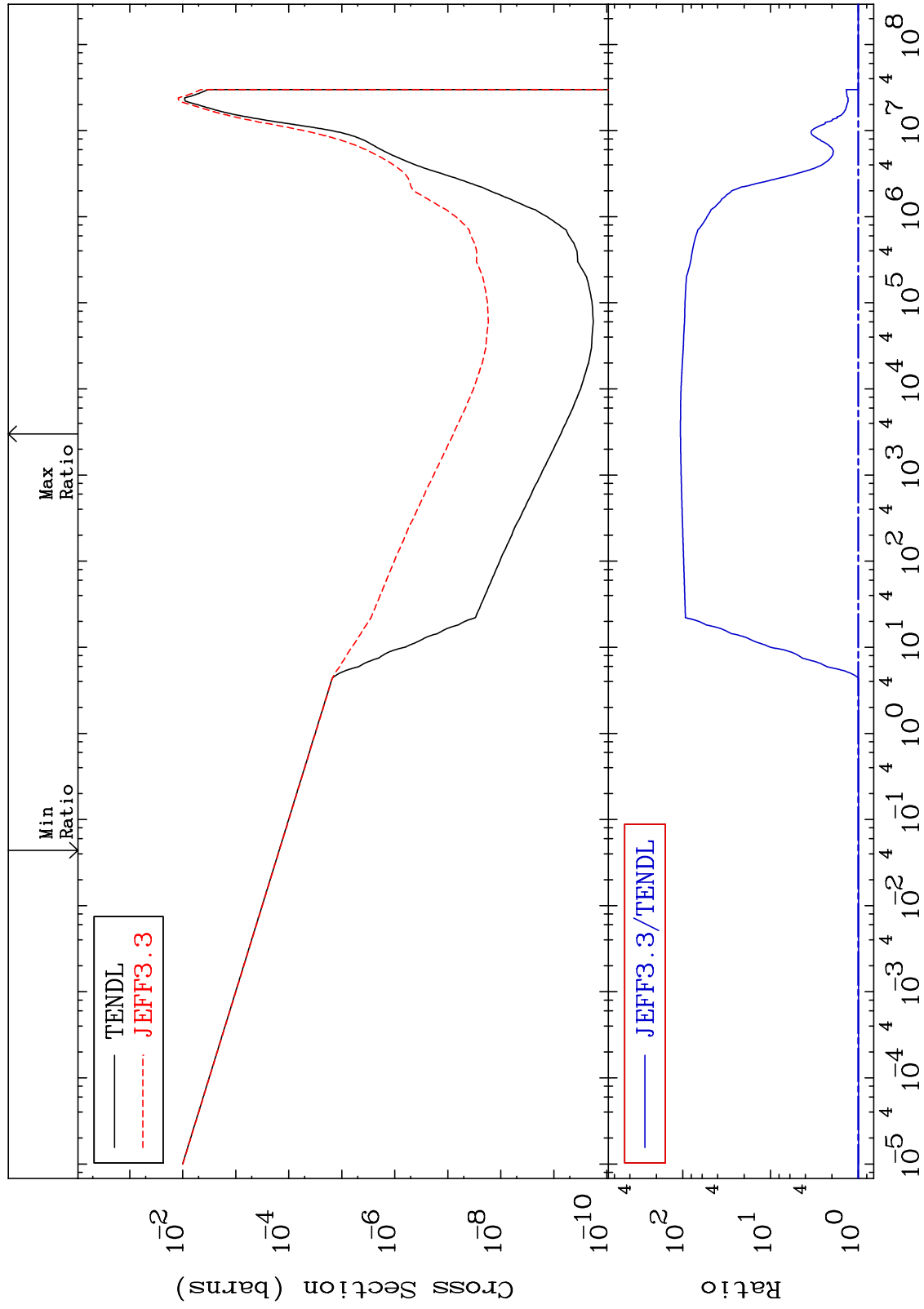
-80.14 To 294.1 %



MAT 7831

(n, α)
Cross Section

78-Pt-192
-0.756 To 9999. %



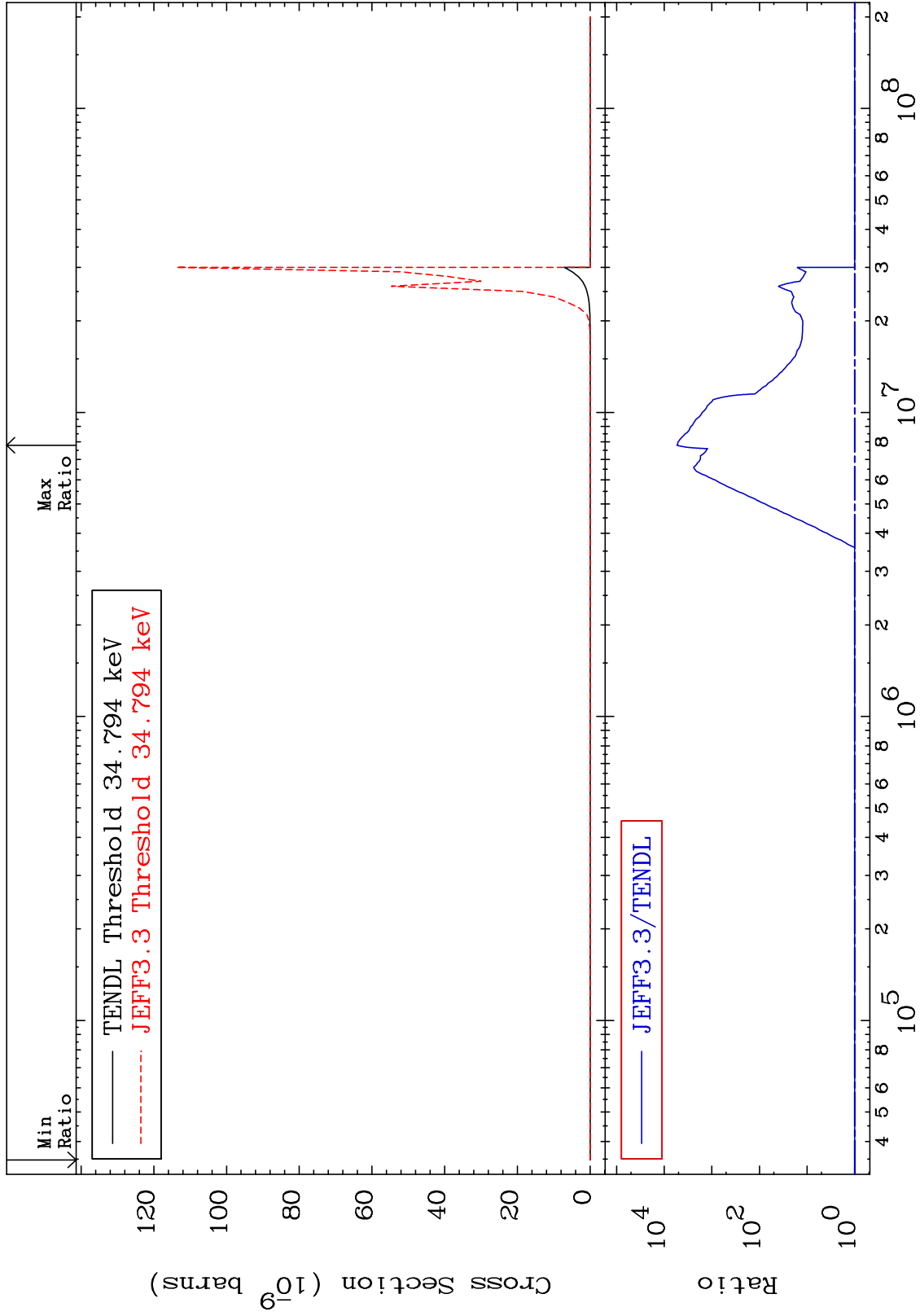
MAT 7831

(n, 2α)

78-Pt-192

Cross Section

0.000 To 9999. %



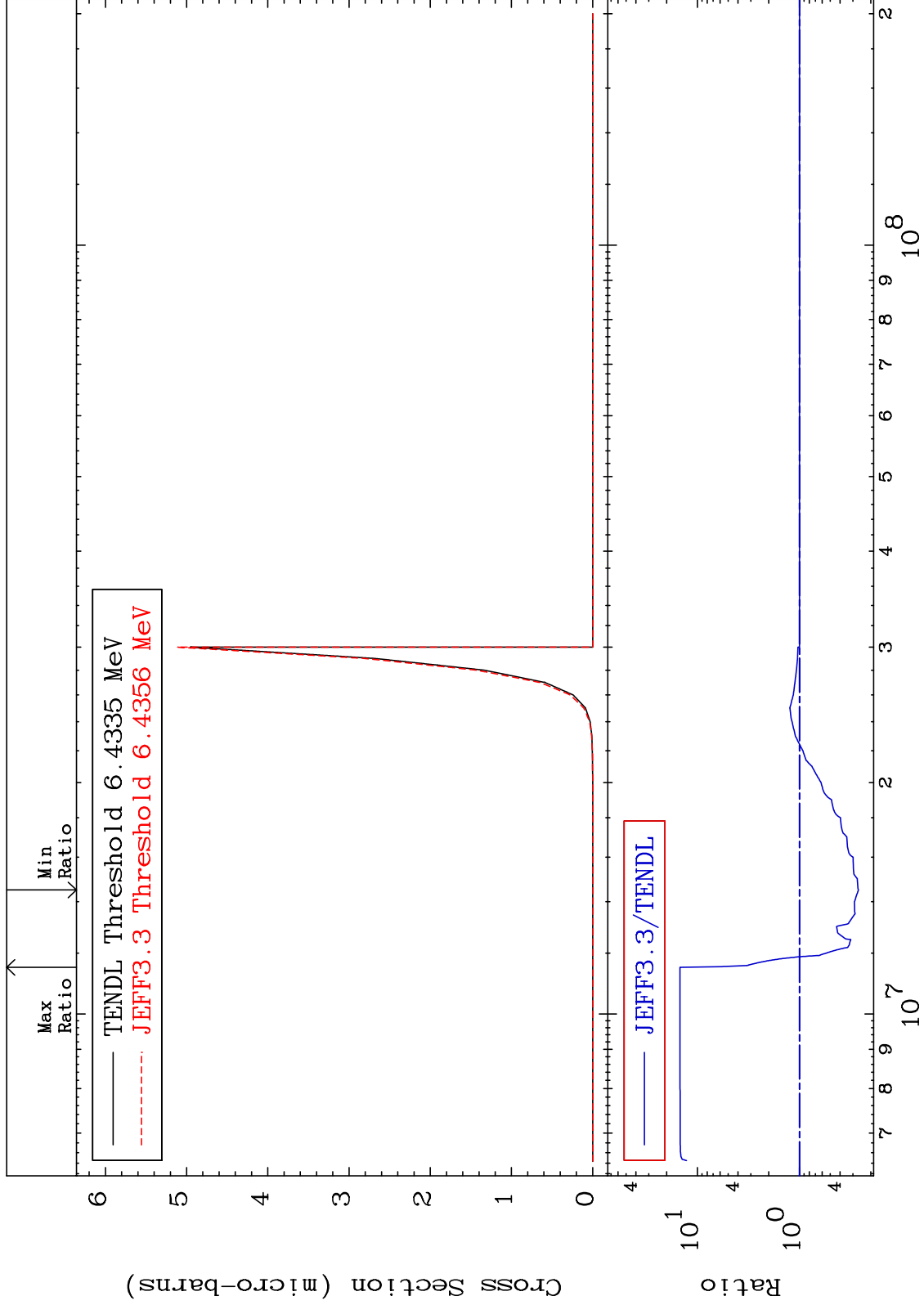
MAT 7831

(n,2p)

78-Pt-192

Cross Section

-73.53 To 1379. %



57

Incident Energy (eV)

78-Pt-192

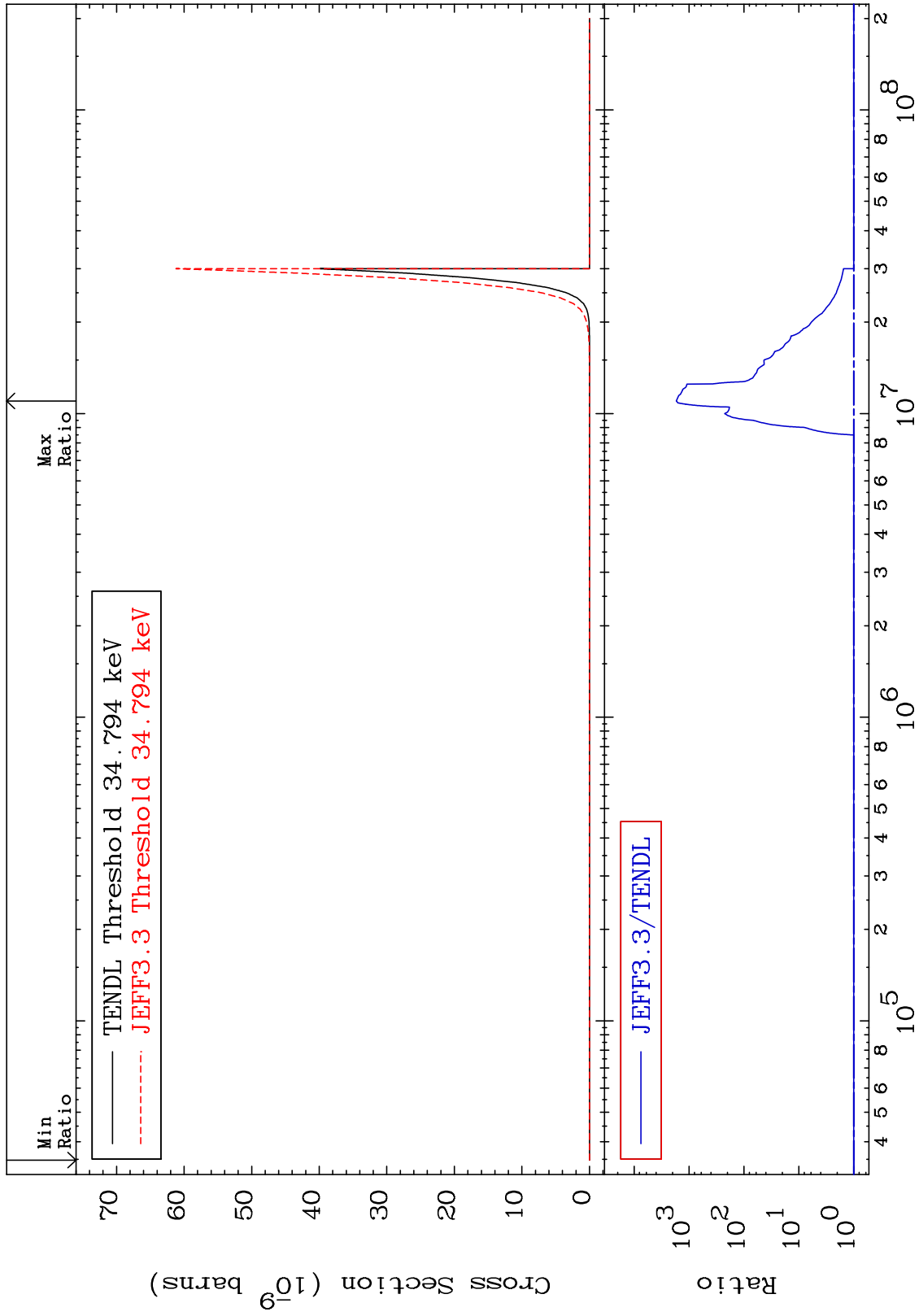
MAT 7831

(n,p) α

78-Pt-192

Cross Section

0.000 To 9999. %



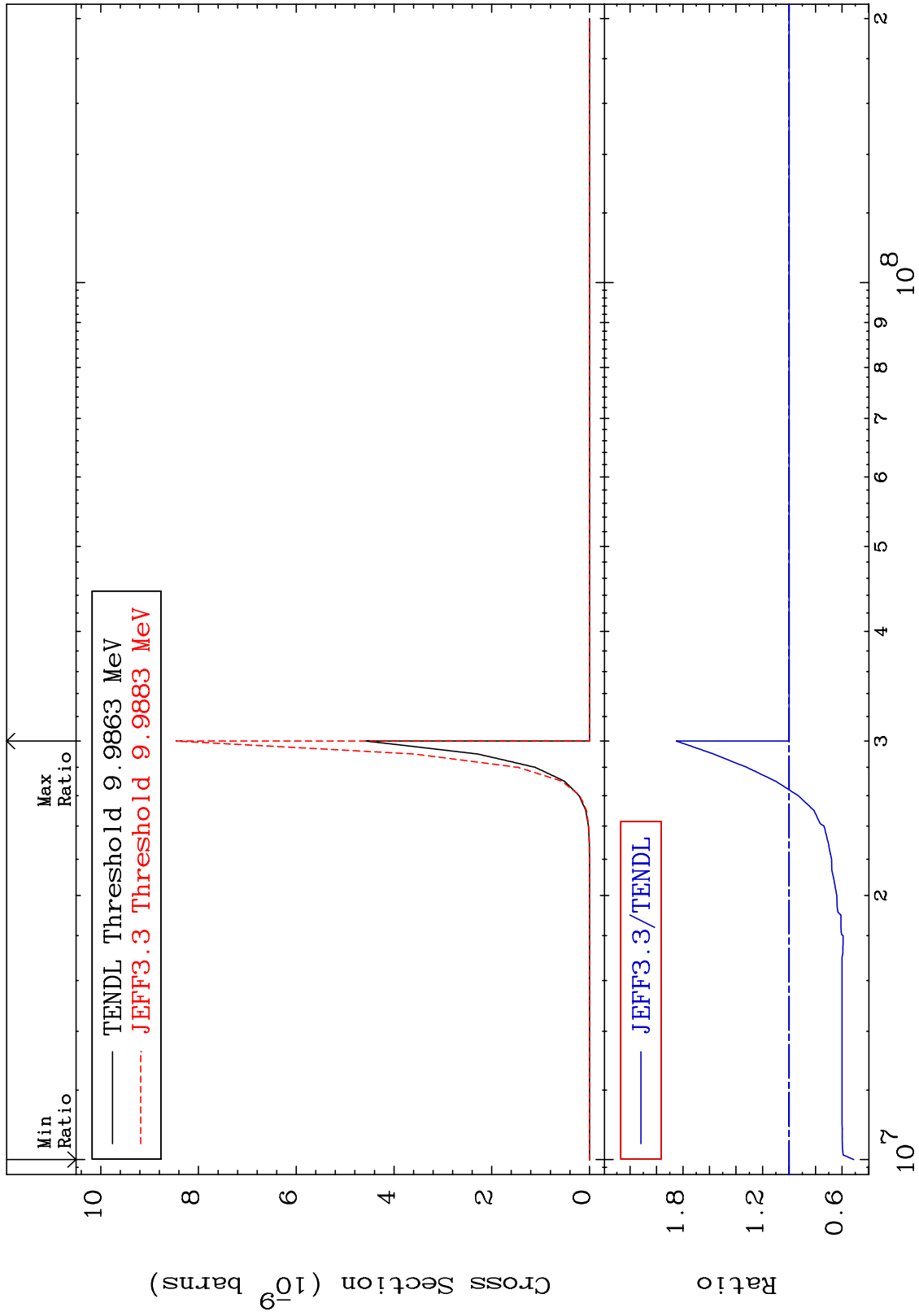
MAT 7831

(n,p) d

78-Pt-192

Cross Section

-48.88 To 85.05 %



59

Incident Energy (eV)

78-Pt-192

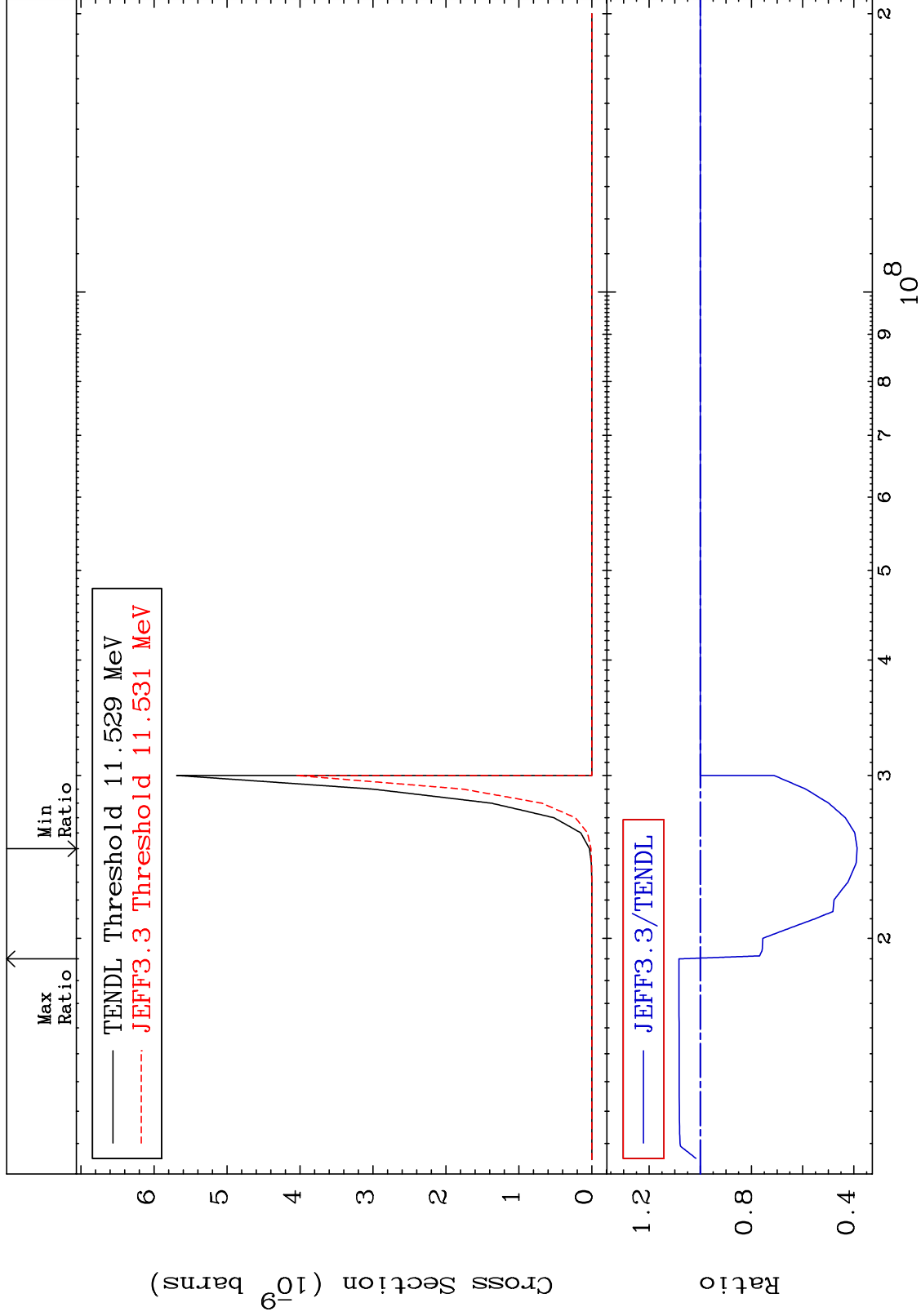
MAT 7831

(n,p) t

78-Pt-192

Cross Section

-61.29 To 8.345 %



60

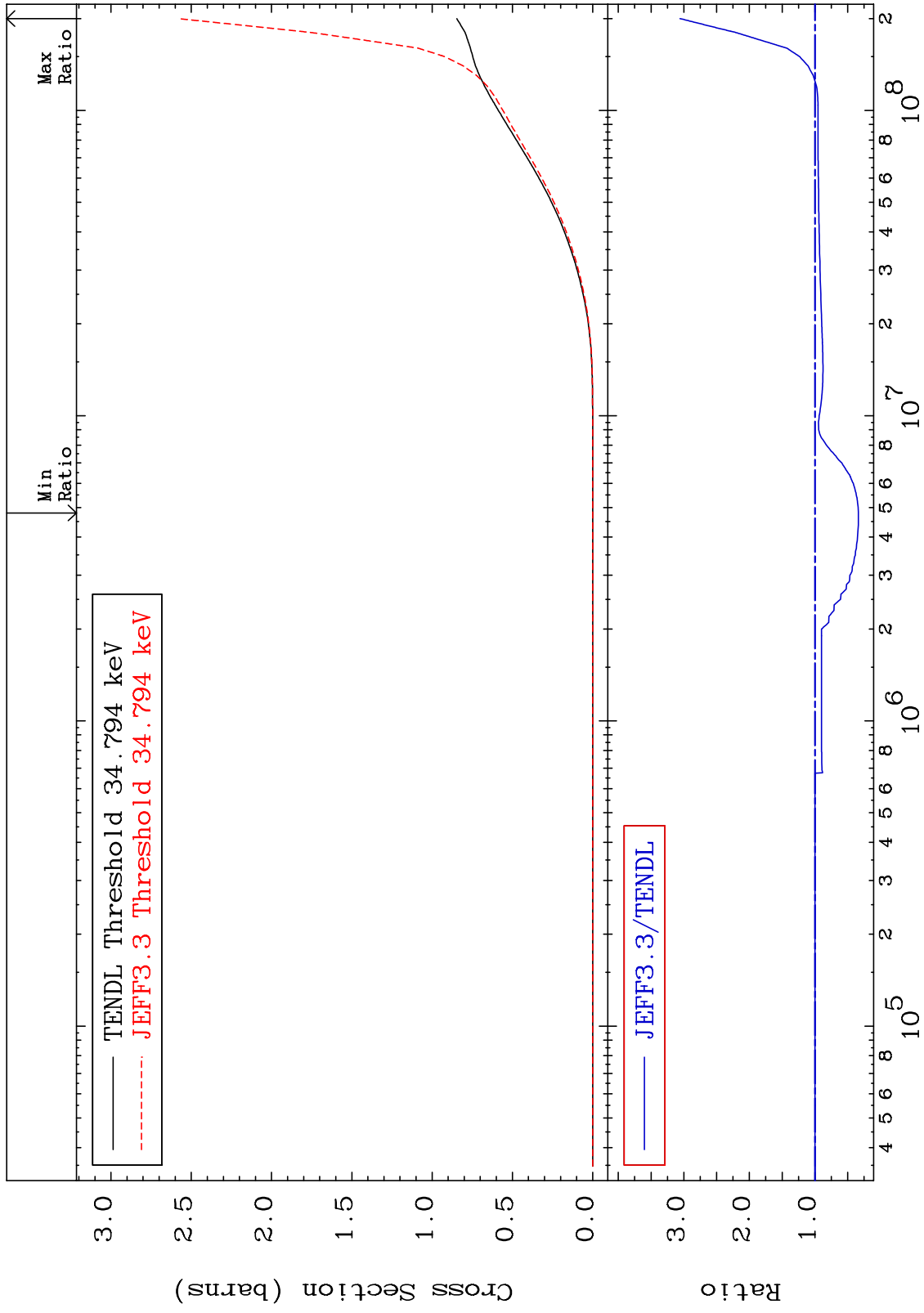
Incident Energy (eV)

78-Pt-192

MAT 7831

Hydrogen Production
Cross Section

78-Pt-192
-66.37 To 205.8 %



61

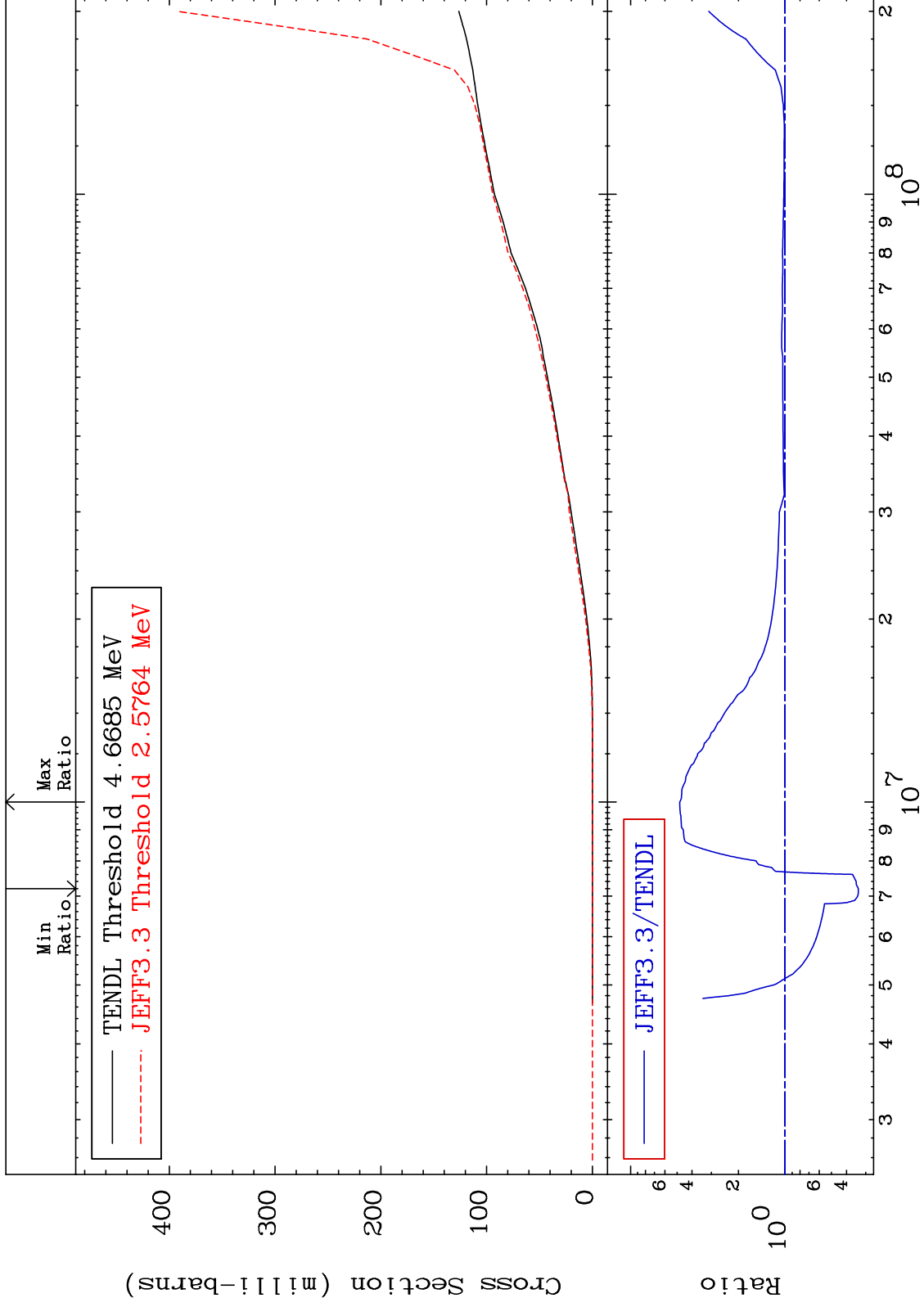
Incident Energy (eV)

78-Pt-192

MAT 7831

Deuterium Production
Cross Section

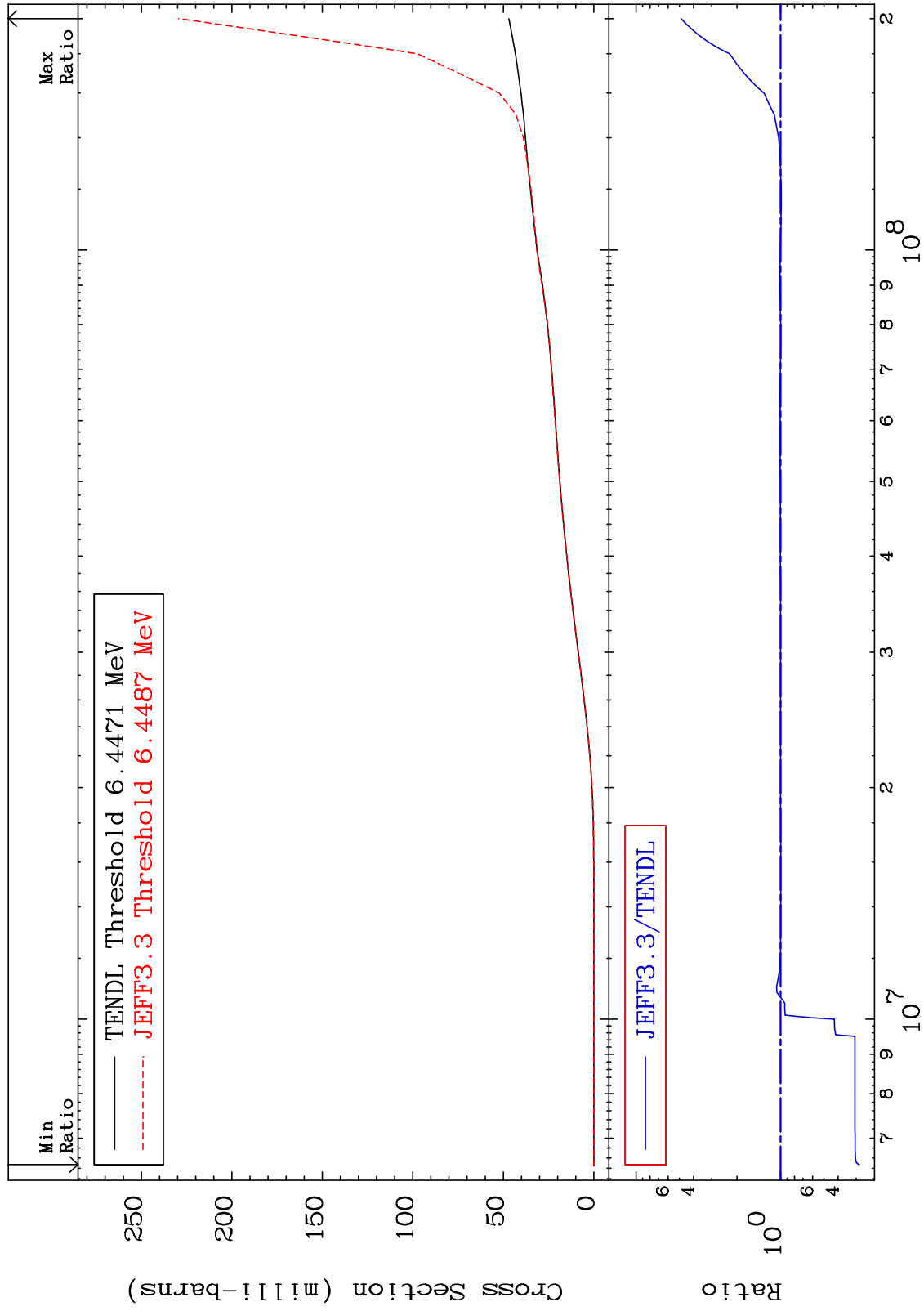
78-Pt-192
-66.50 To 379.6 %



MAT 7831

Tritium Production
Cross Section

78-Pt-192
-71.49 To 388.3 %



63

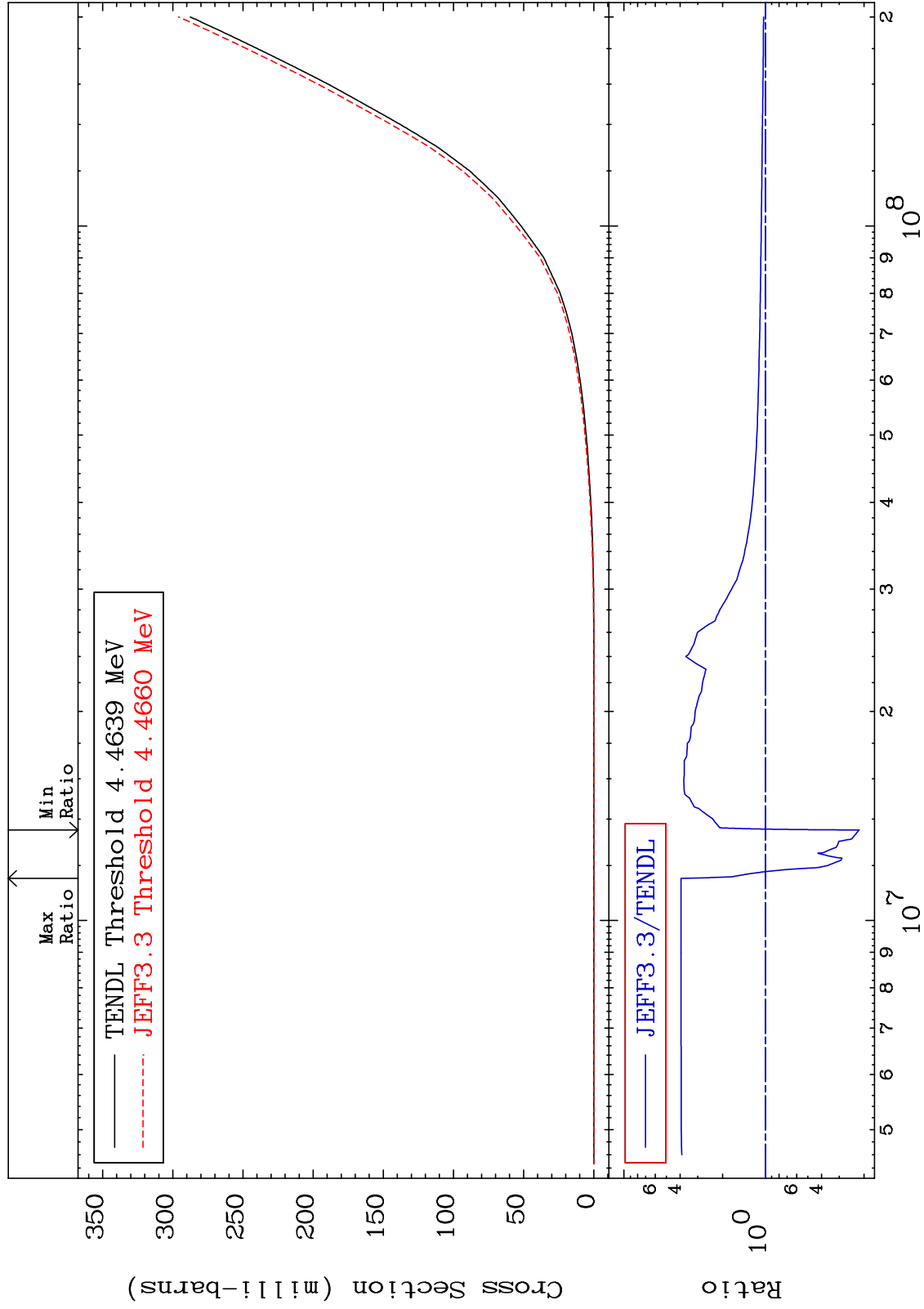
Incident Energy (eV)

78-Pt-192

MAT 7831

He-3 Production
Cross Section

78-Pt-192
-78.38 To 294.1 %



64

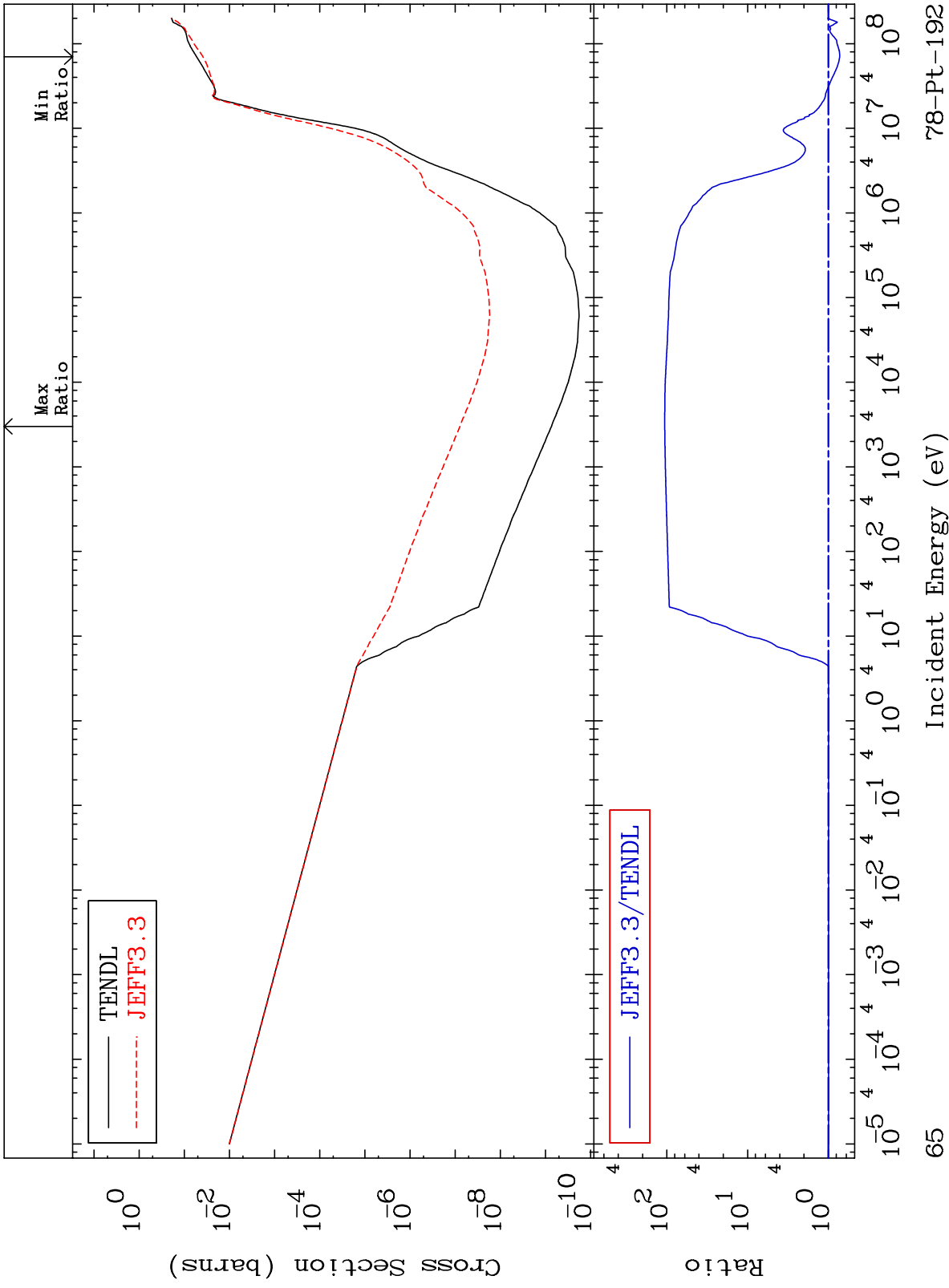
Incident Energy (eV)

78-Pt-192

MAT 7831

He-4 Production
Cross Section

78-Pt-192
-27.70 To 9999. %



65

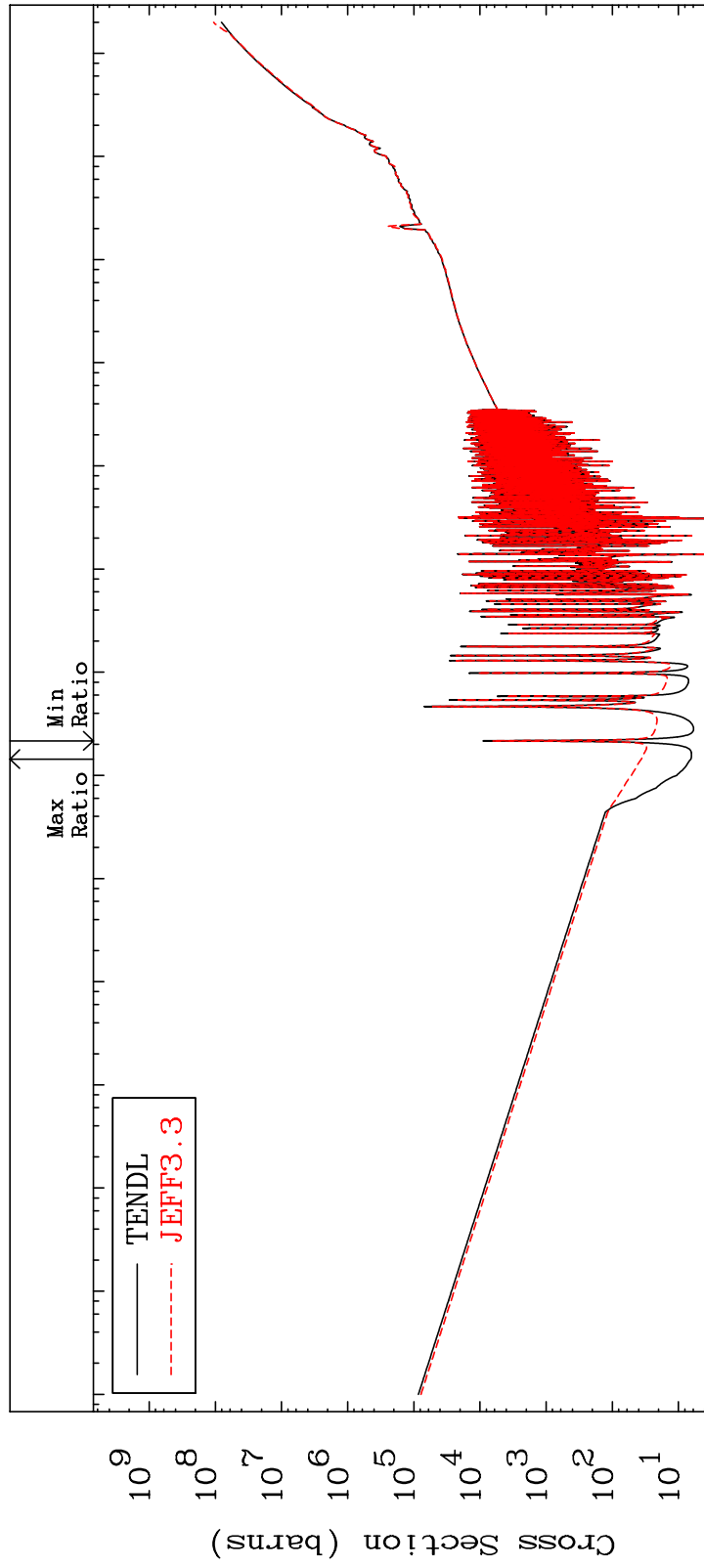
Incident Energy (eV)

78-Pt-192

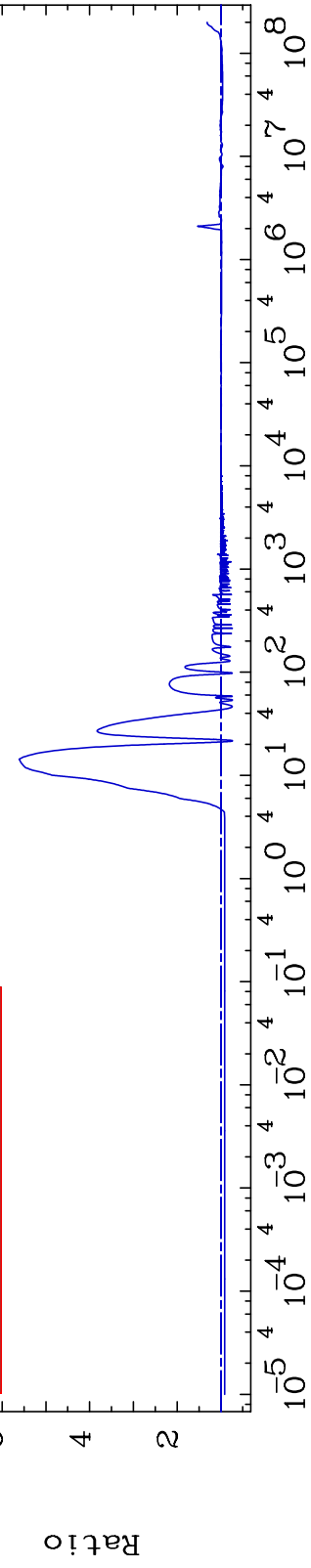
MAT 7831

Kerma total (eV-barns)
Cross Section

78-Pt-192
-26.64 To 461.0 %



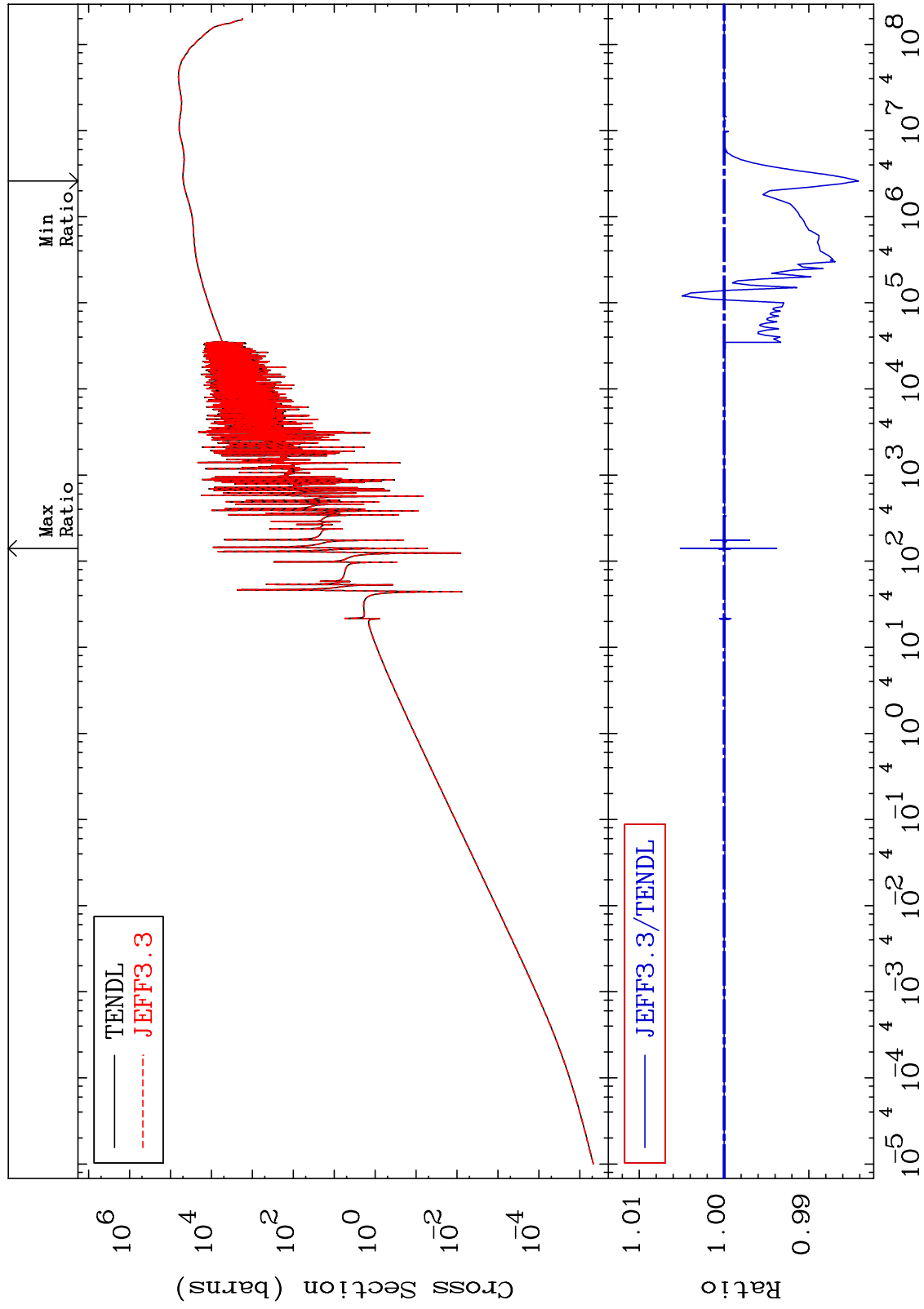
JEFF3.3/TENDL



MAT 7831

Kerma elastic
Cross Section

78-Pt-192
-1.585 To 0.514 %



67

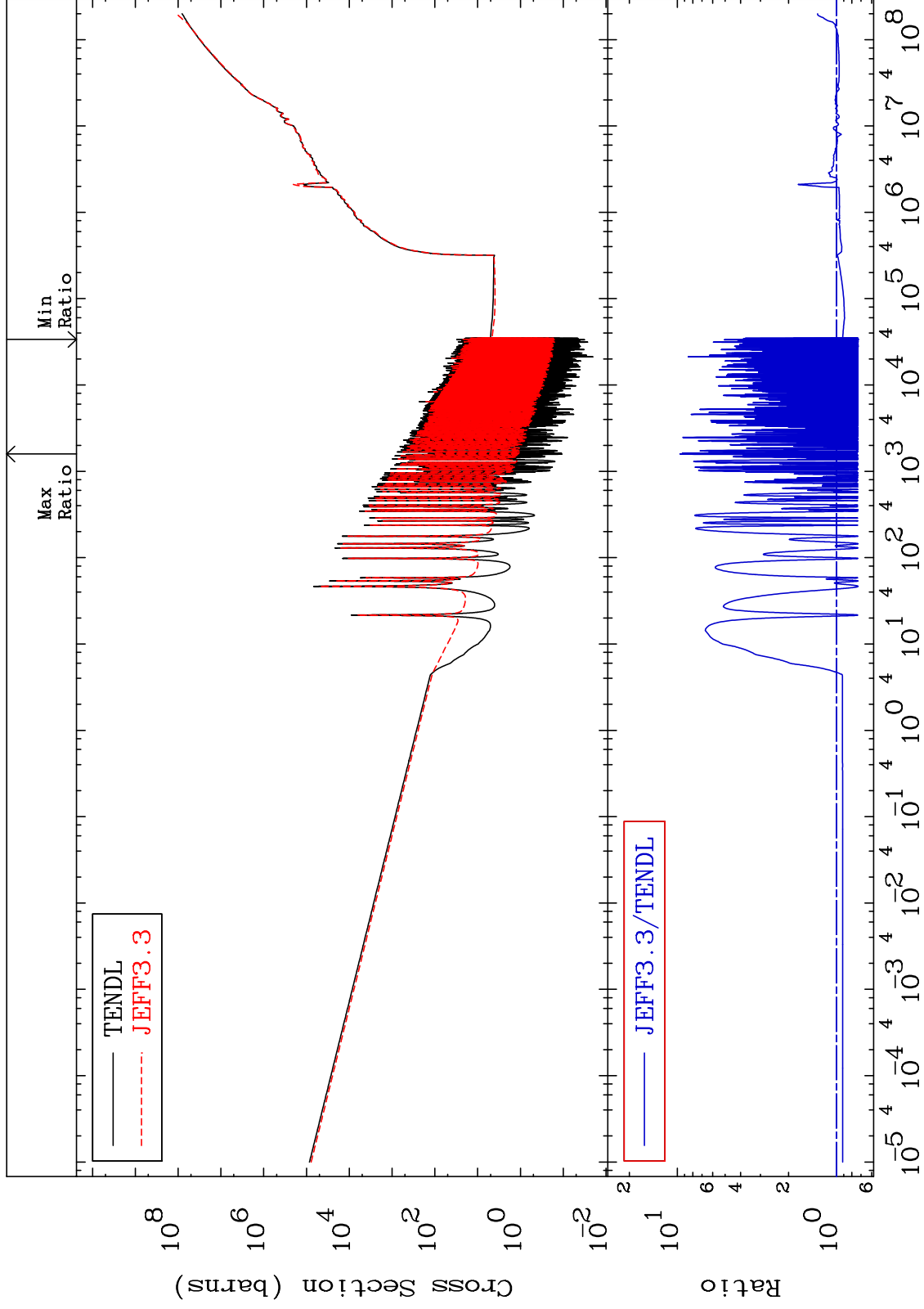
Incident Energy (eV)

78-Pt-192

MAT 7831

Kerma non-elastic (all but mt2)
Cross Section

78-Pt-192
-27.23 To 861.3 %



68

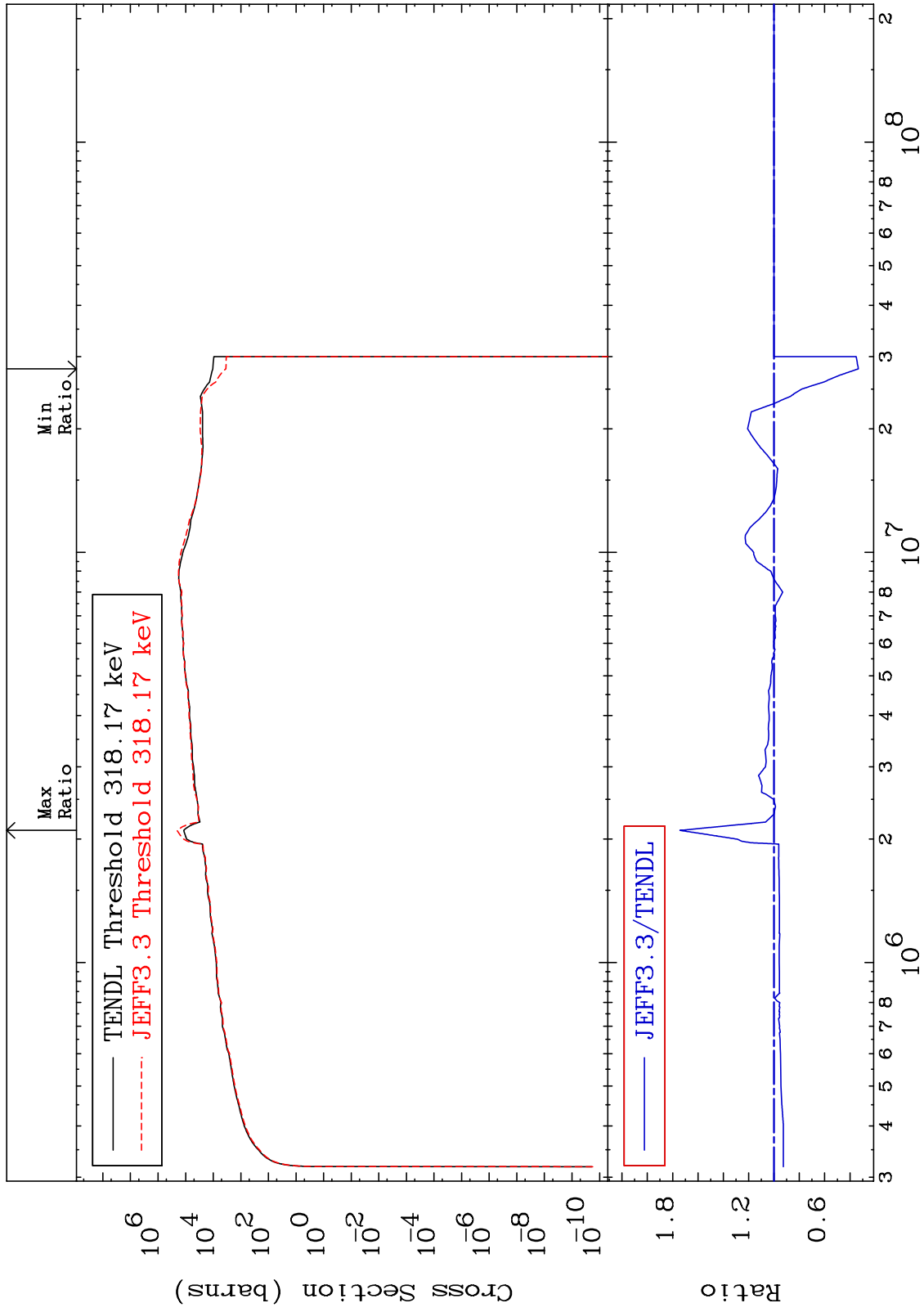
Incident Energy (eV)

78-Pt-192

MAT 7831

Kerma inelastic (mt51-91)
Cross Section

78-Pt-192
-66.65 To 74.18 %



69

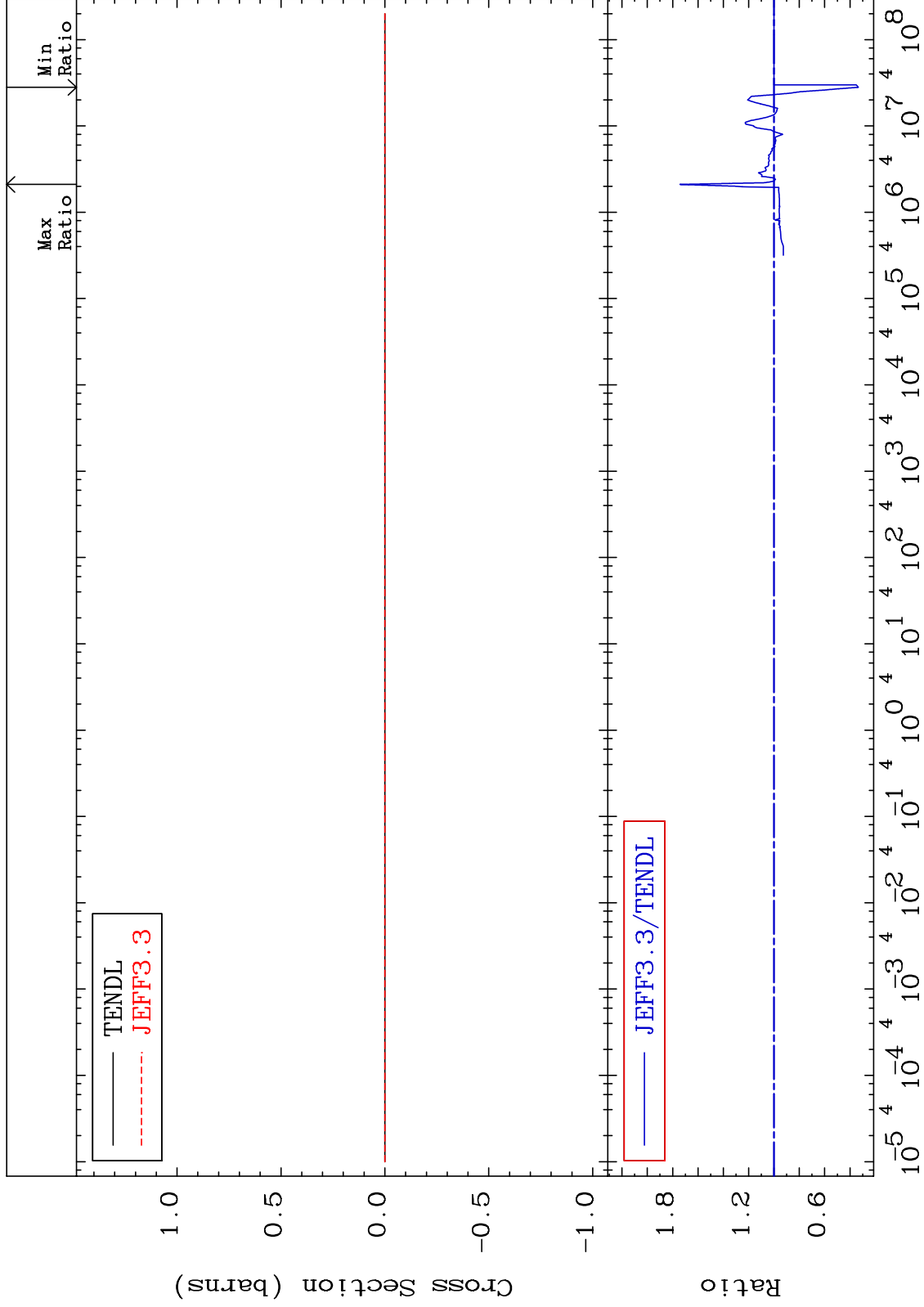
Incident Energy (eV)

78-Pt-192

MAT 7831

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

78-Pt-192
-66.65 To 74.18 %



70

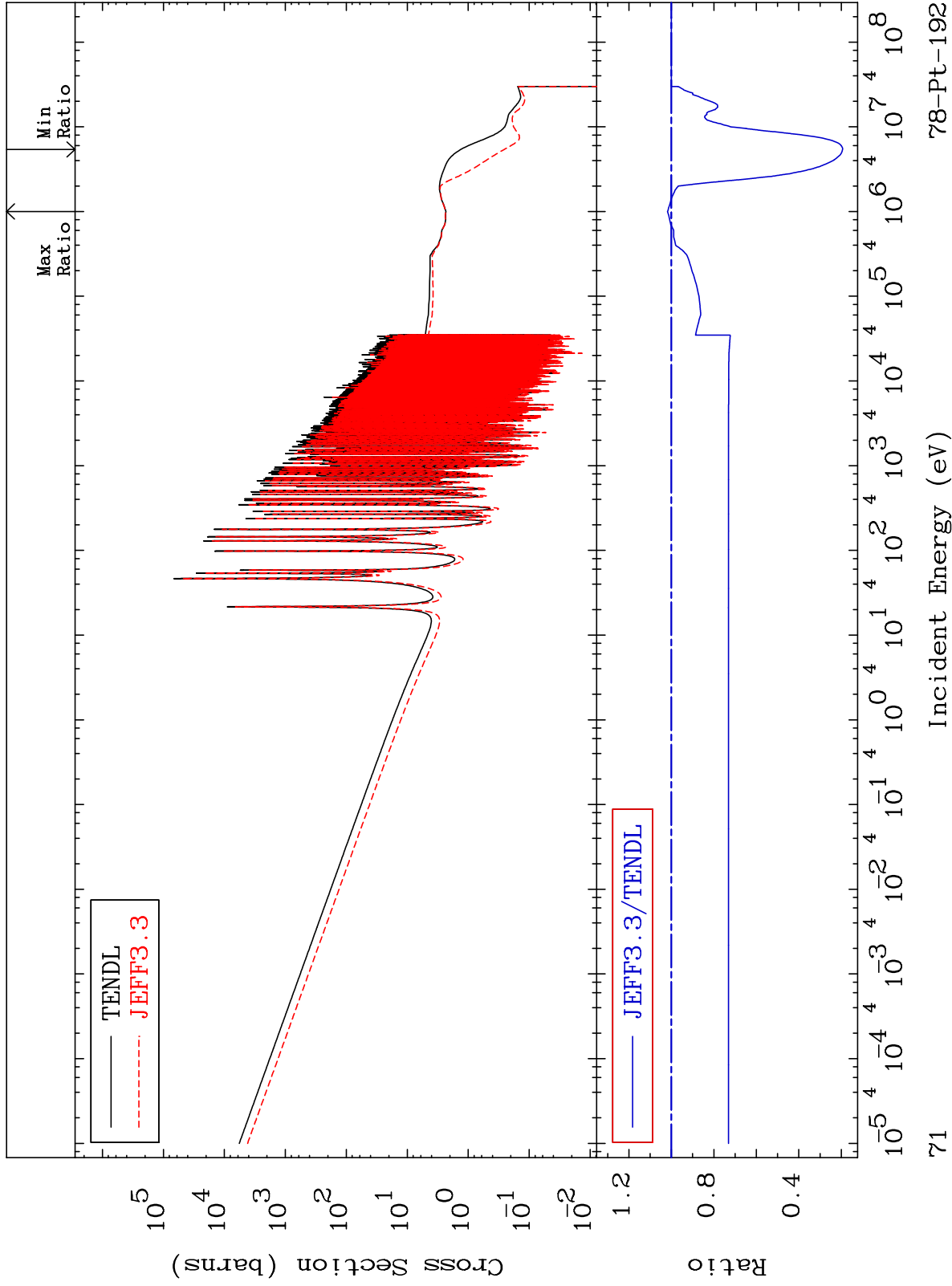
Incident Energy (eV)

78-Pt-192

MAT 7831

Kerma capture (mt102)
Cross Section

78-Pt-192
-80.66 To 1.812 %



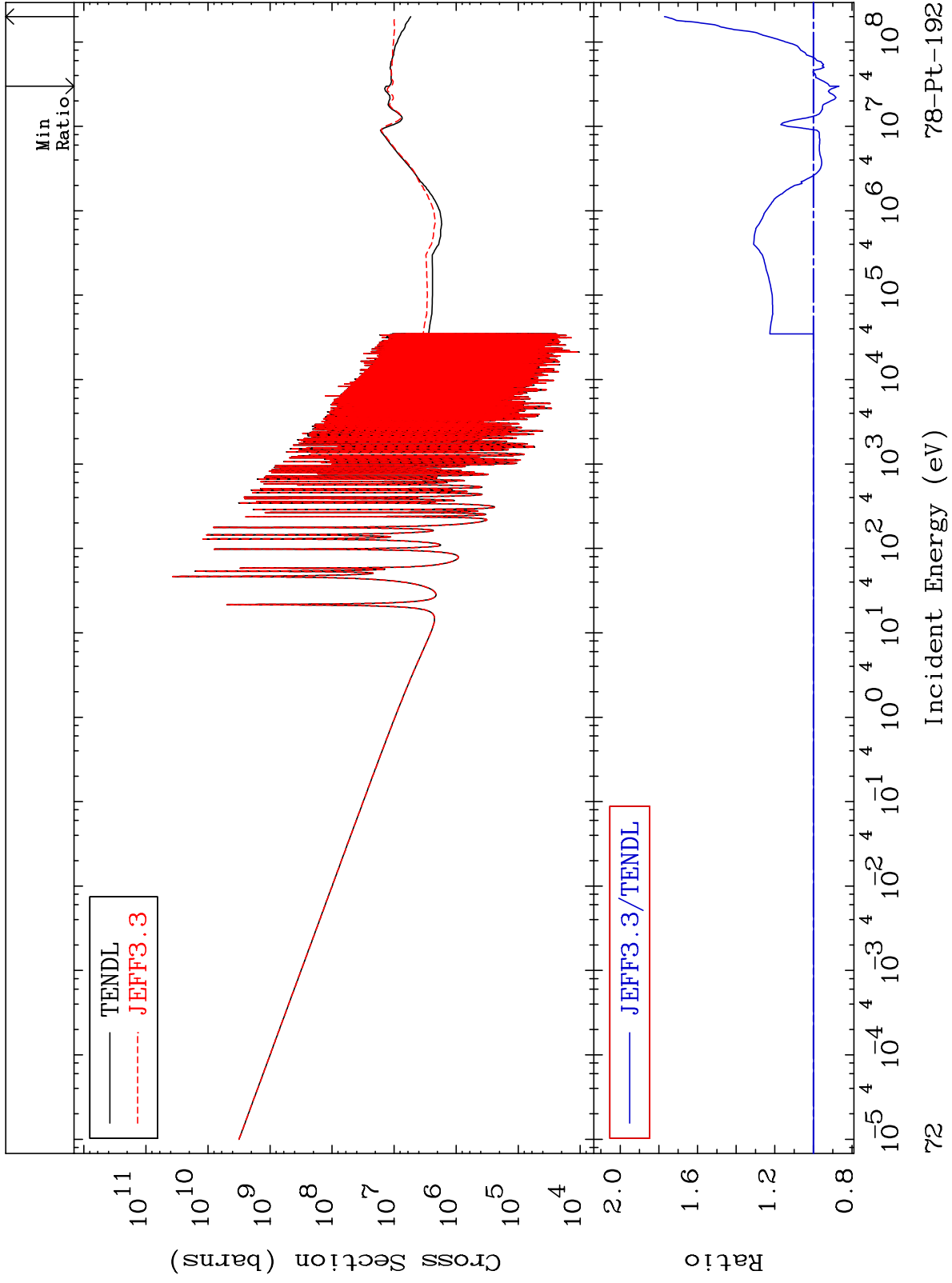
71

78-Pt-192

MAT 7831

Total photon (eV-barns)
Cross Section

78-Pt-192
-13.25 To 77.09 %



72

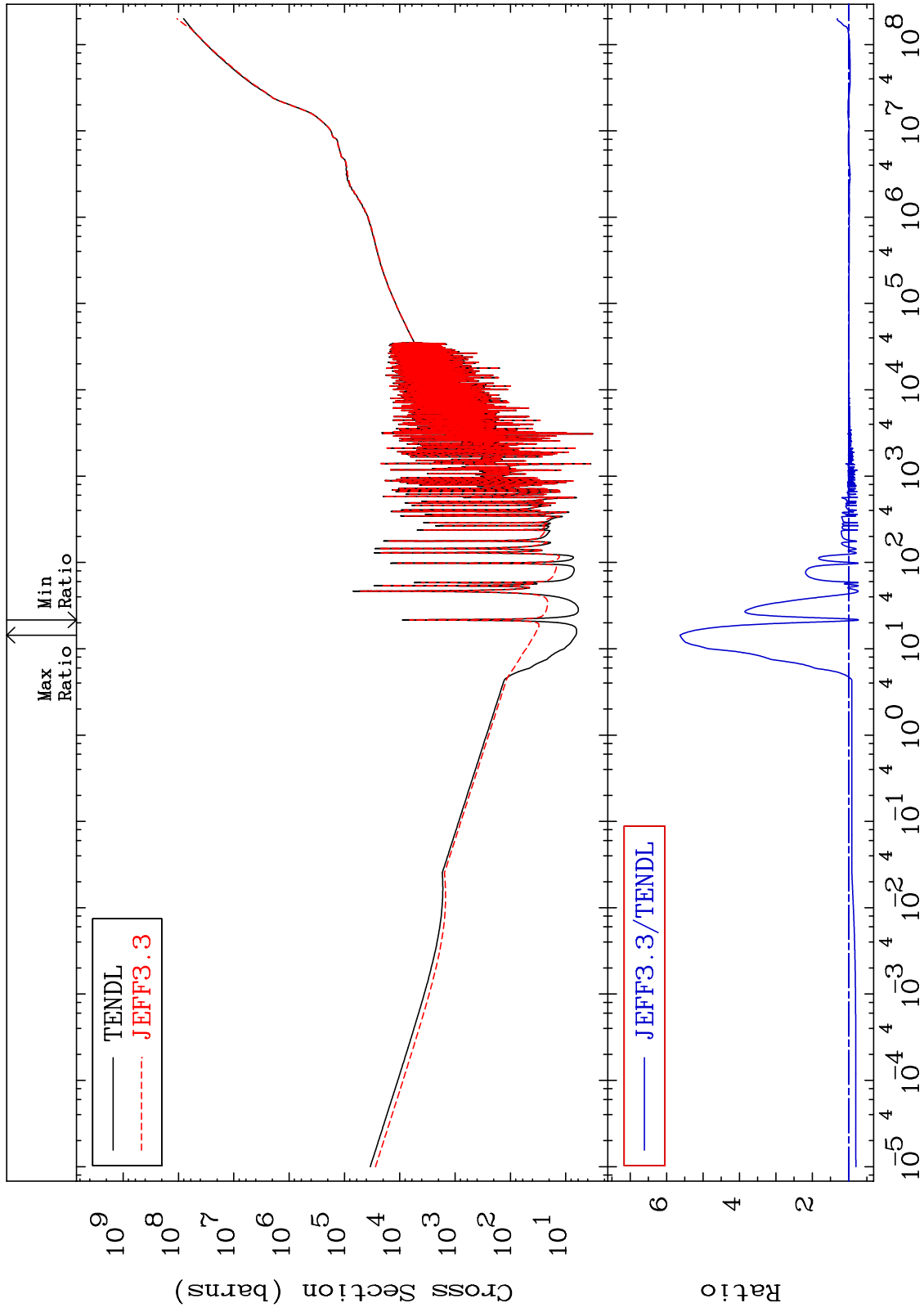
Incident Energy (eV)

78-Pt-192

MAT 7831

Total kinematic kerma (high limit)
Cross Section

78-Pt-192
-26.63 To 463.2 %



73

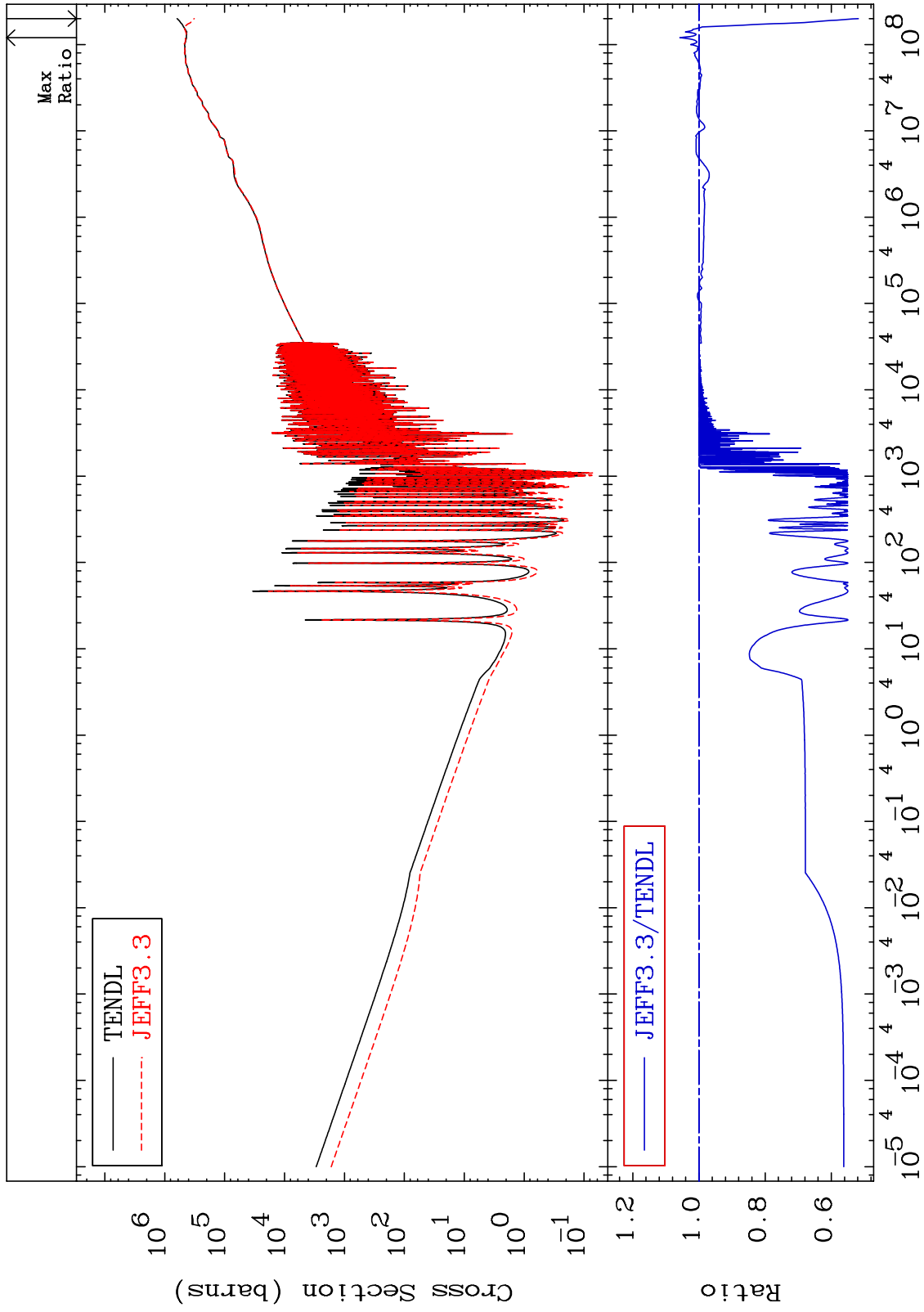
Incident Energy (eV)

78-Pt-192

MAT 7831

Dpa total (eV-barns)
Cross Section

78-Pt-192
-48.19 To 5.723 %



74

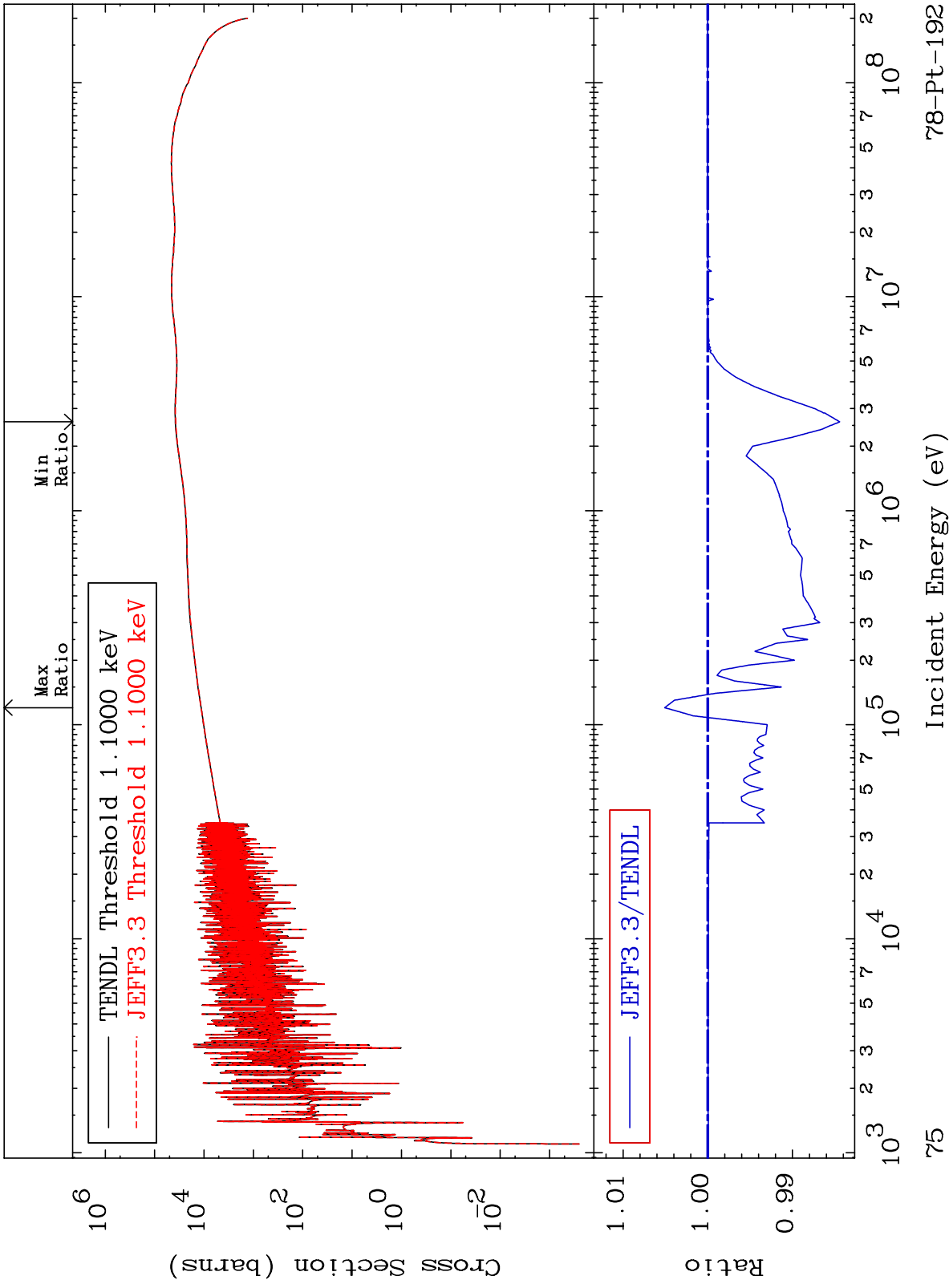
Incident Energy (eV)

78-Pt-192

MAT 7831

Dpa elastic (mt2)
Cross Section

78-Pt-192
-1.558 To 0.508 %



75

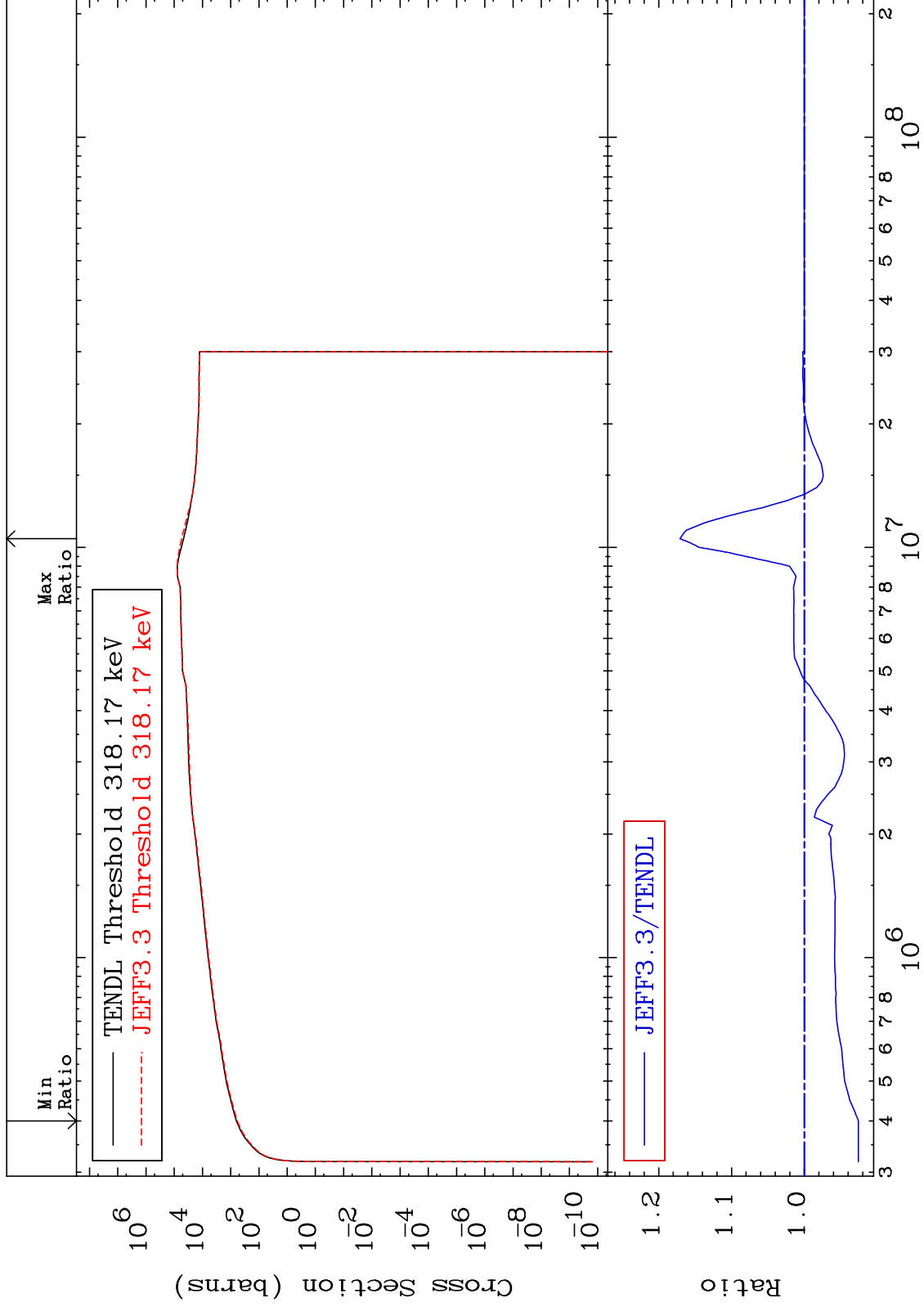
Incident Energy (eV)

78-Pt-192

MAT 7831

Dpa inelastic (mt51-91)
Cross Section

78-Pt-192
-7.421 To 17.07 %



76

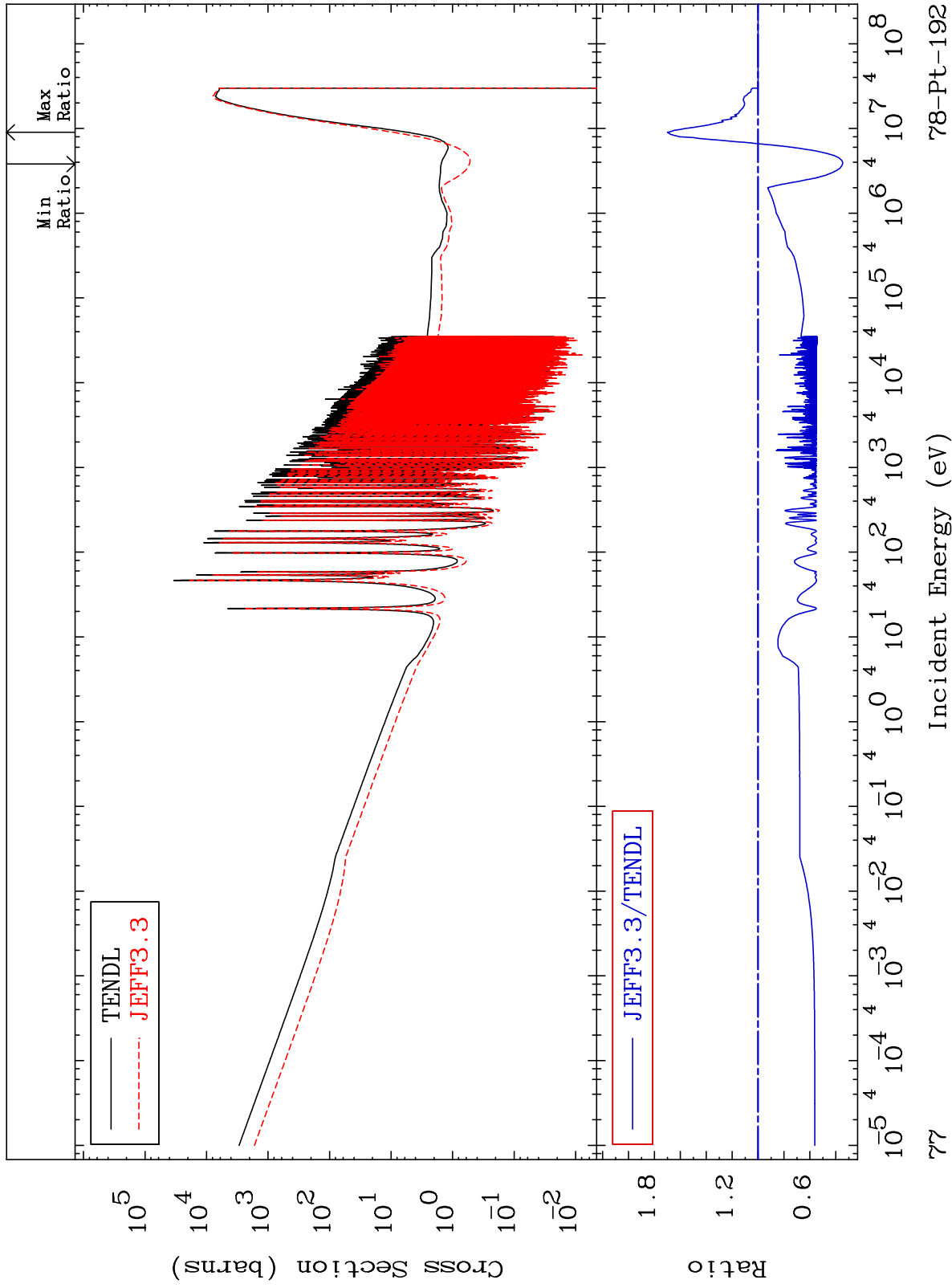
Incident Energy (eV)

78-Pt-192

MAT 7831

Dpa disappearance (mt102 -120)
Cross Section

78-Pt-192
-65.28 To 69.92 %



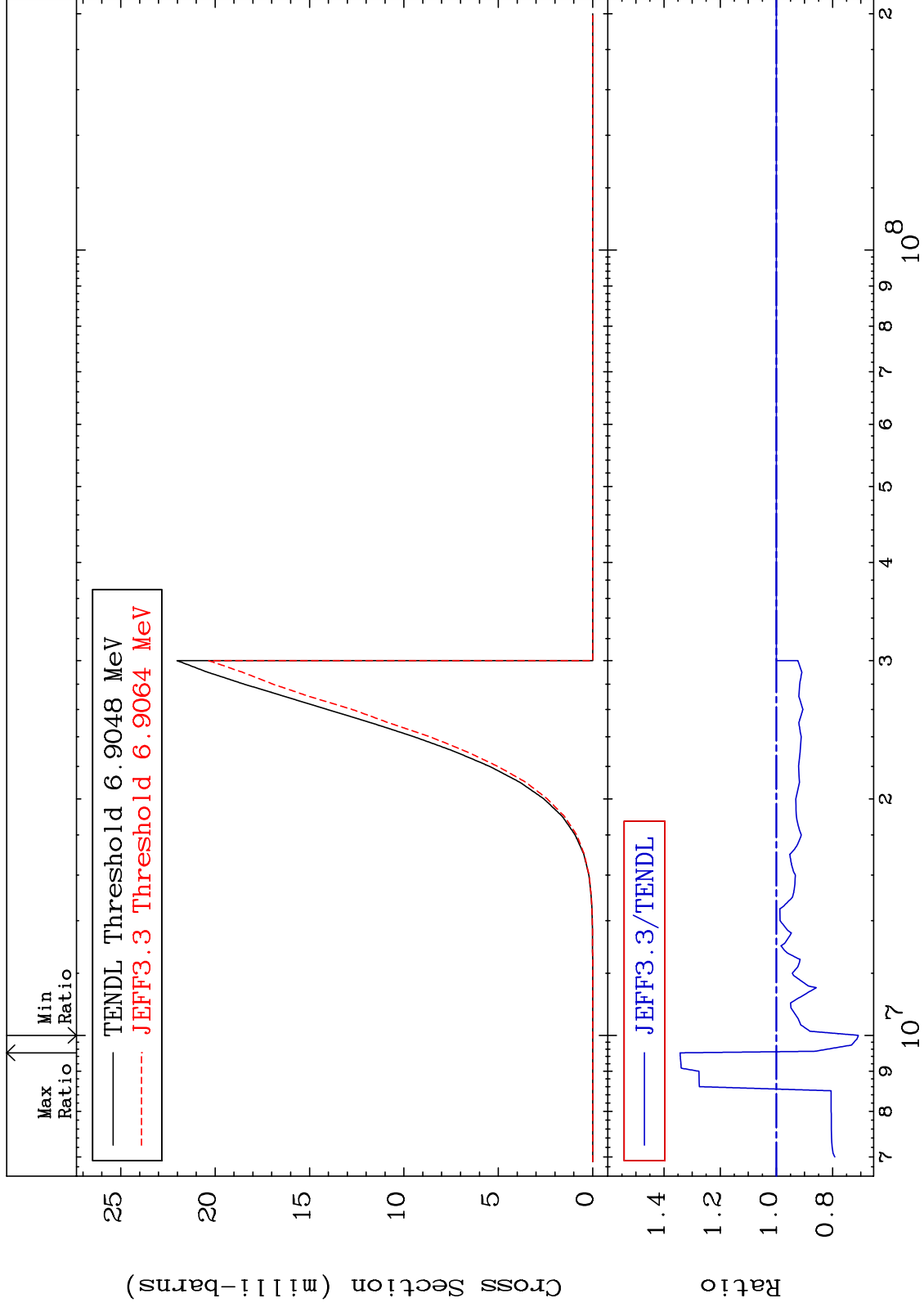
MAT 7831

(n, n') p:77-Ir-191g

78-Pt-192

Radionuclide Production Cross Section

-29.17 To 34.30 %



78

Incident Energy (eV)

78-Pt-192

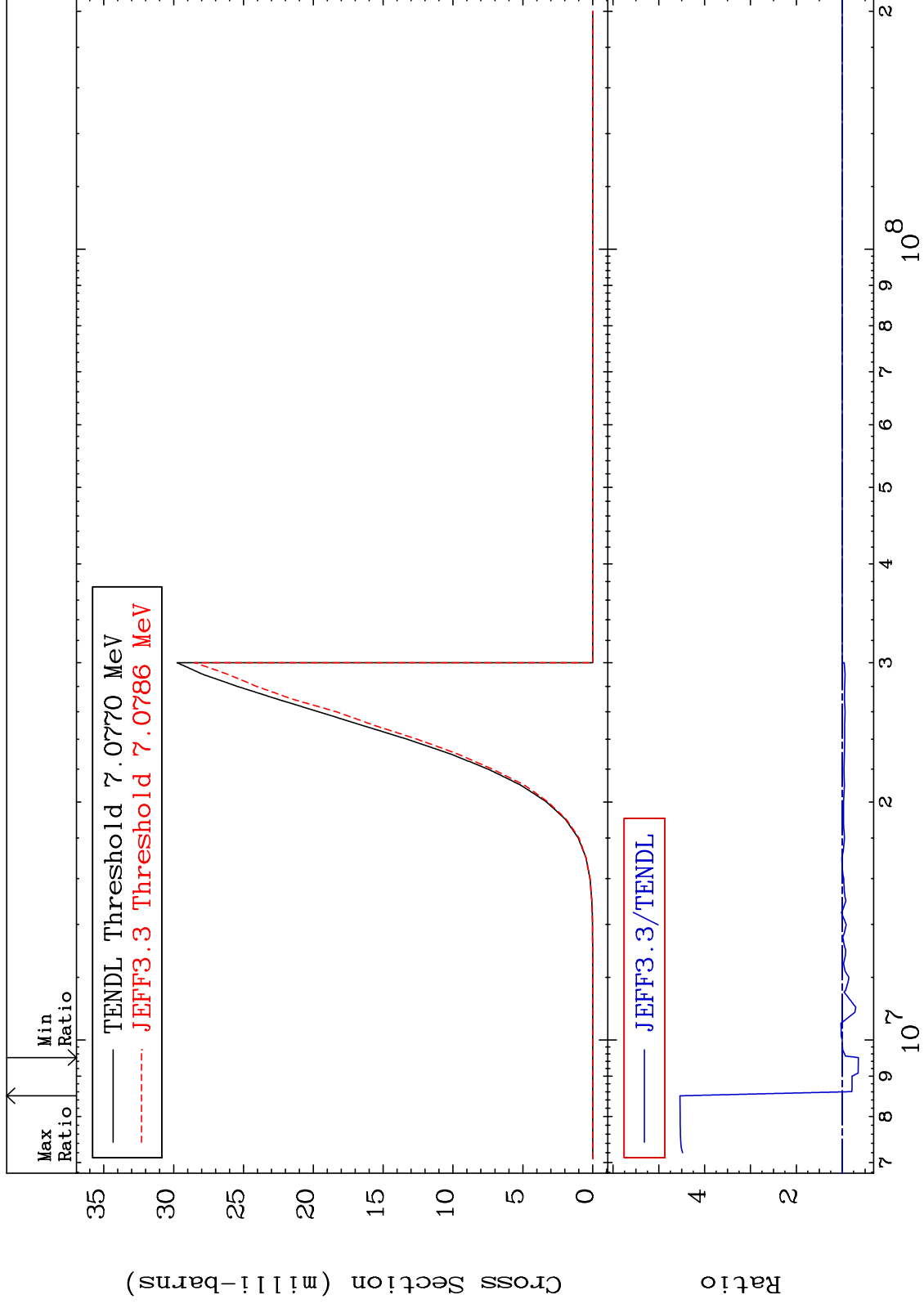
MAT 7831

(n, n') p:77-Ir-191m3

78-Pt-192

Radionuclide Production Cross Section

-35.51 To 353.8 %



79

Incident Energy (eV)

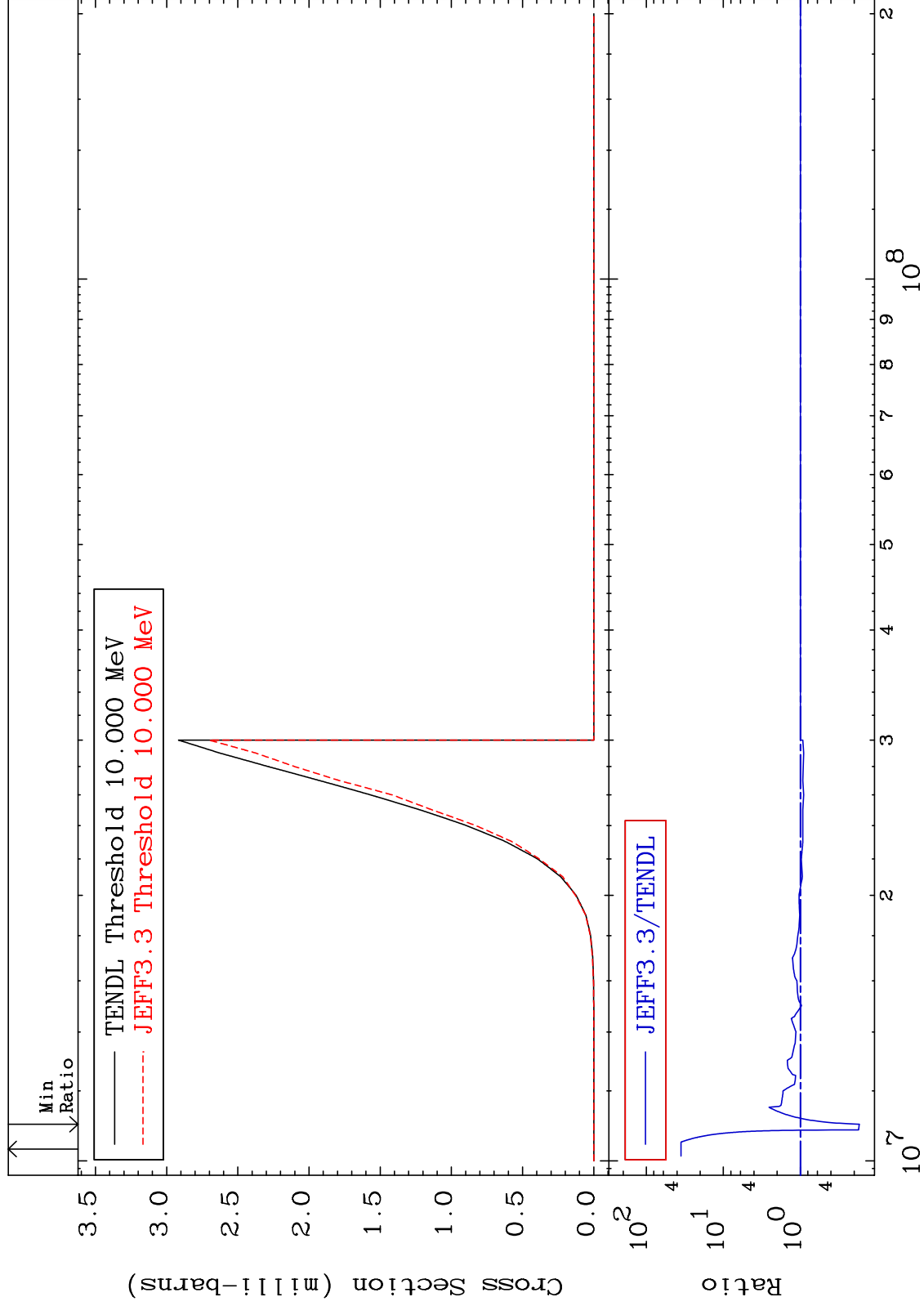
78-Pt-192

MAT 7831

(n, n') p:77-Ir-191m5

78-Pt-192

Radionuclide Production Cross Section -82.84 To 3441. %



80

Incident Energy (eV)

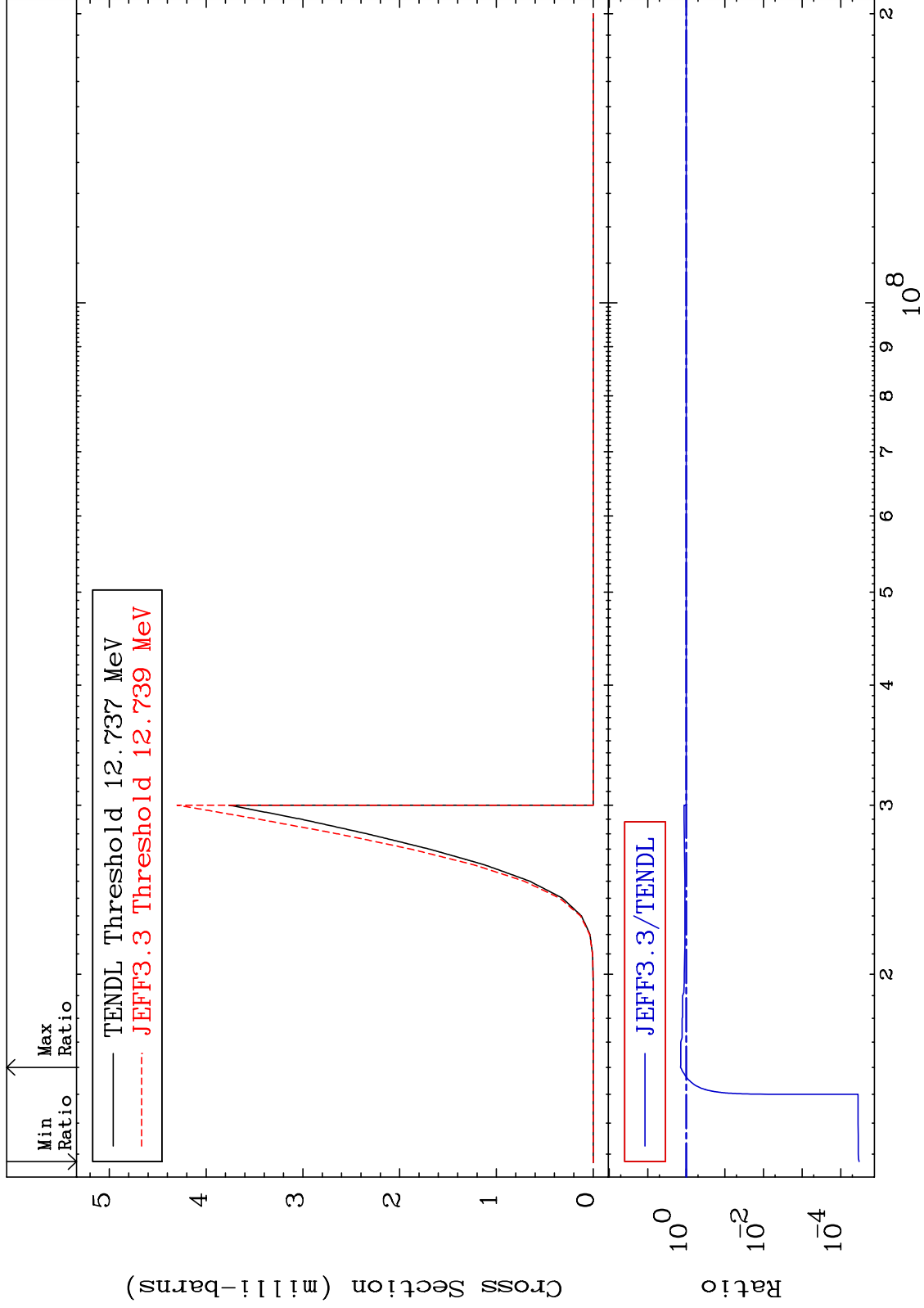
78-Pt-192

MAT 7831

(n, n') d:77-Ir-190g

78-Pt-192

Radionuclide Production Cross Section -100.0 To 40.42 %



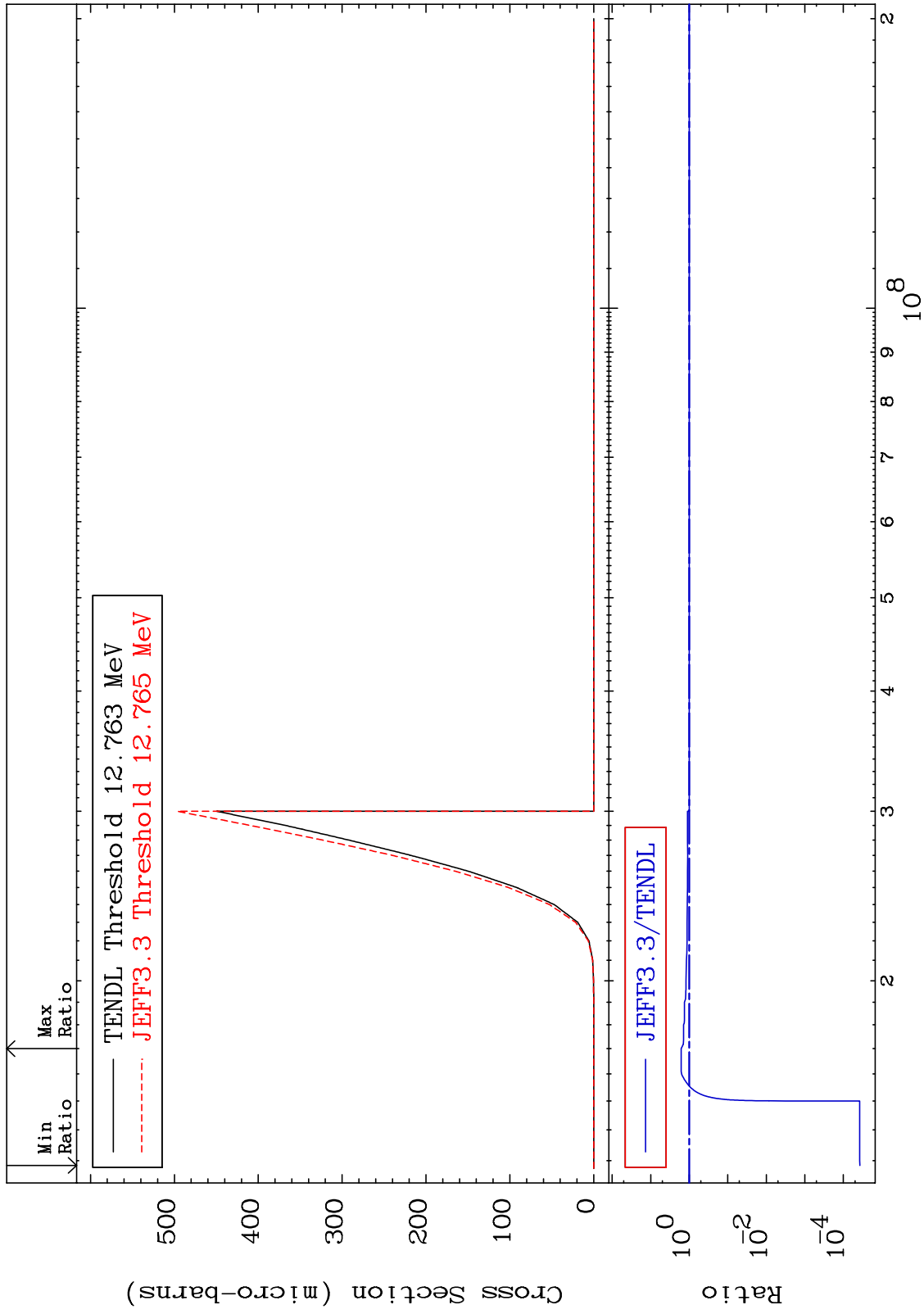
MAT 7831

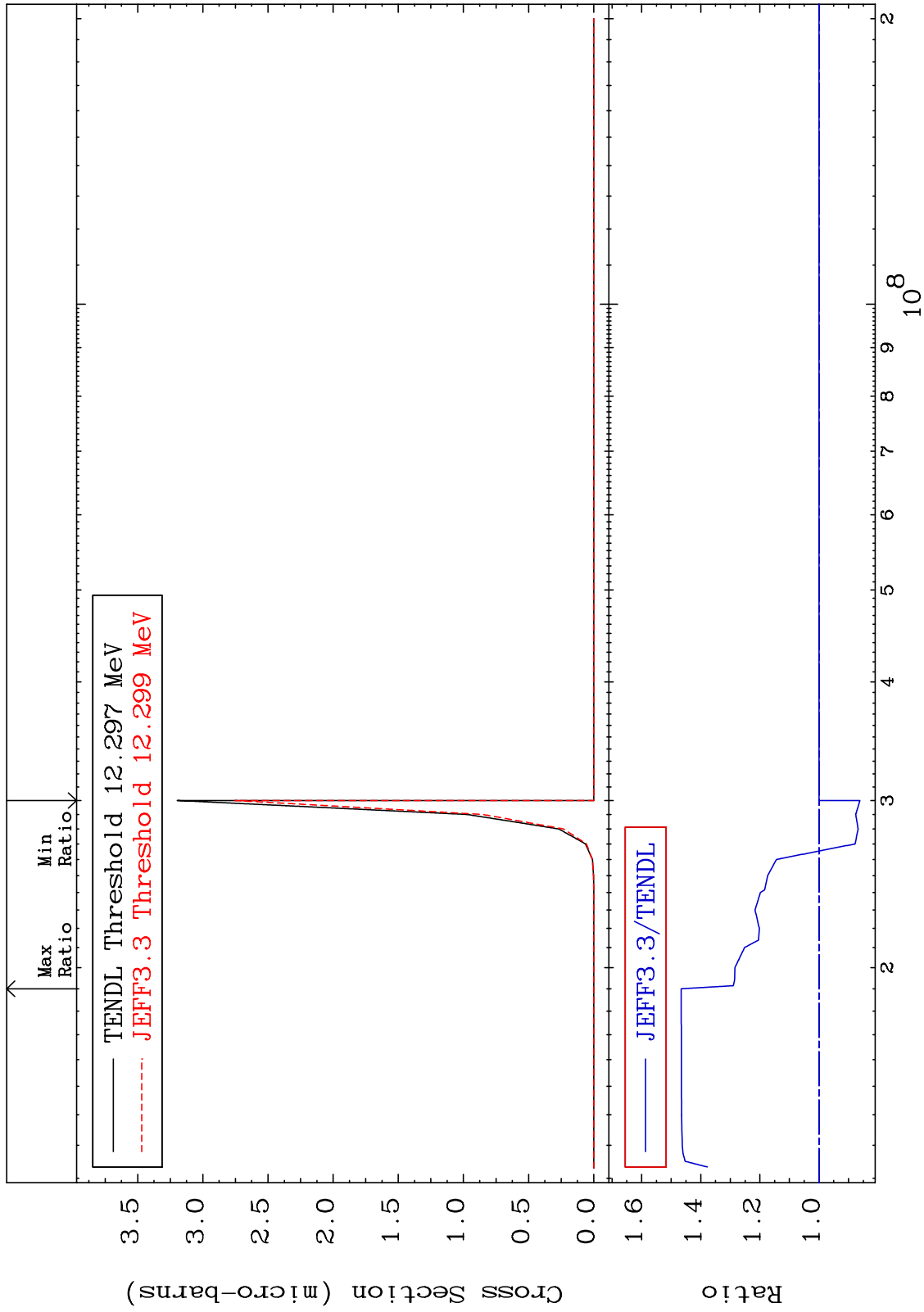
(n, n') d:77-Ir-190m2

78-Pt-192

Radionuclide Production Cross Section

-100.0 To 61.23 %



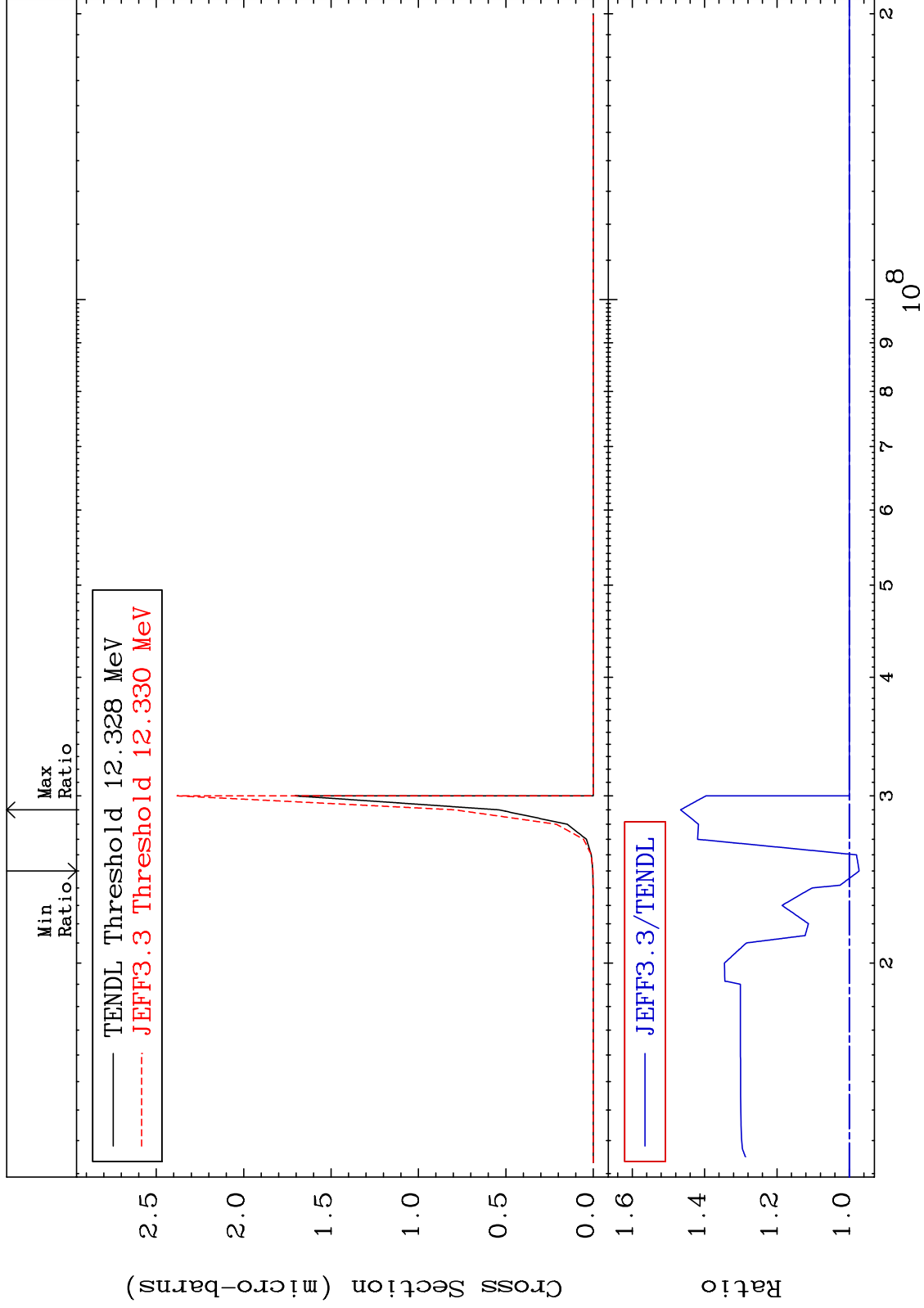


MAT 7831

(n, n') He-3:76-0s-189m1

78-Pt-192

Radionuclide Production Cross Section -2.710 To 46.62 %

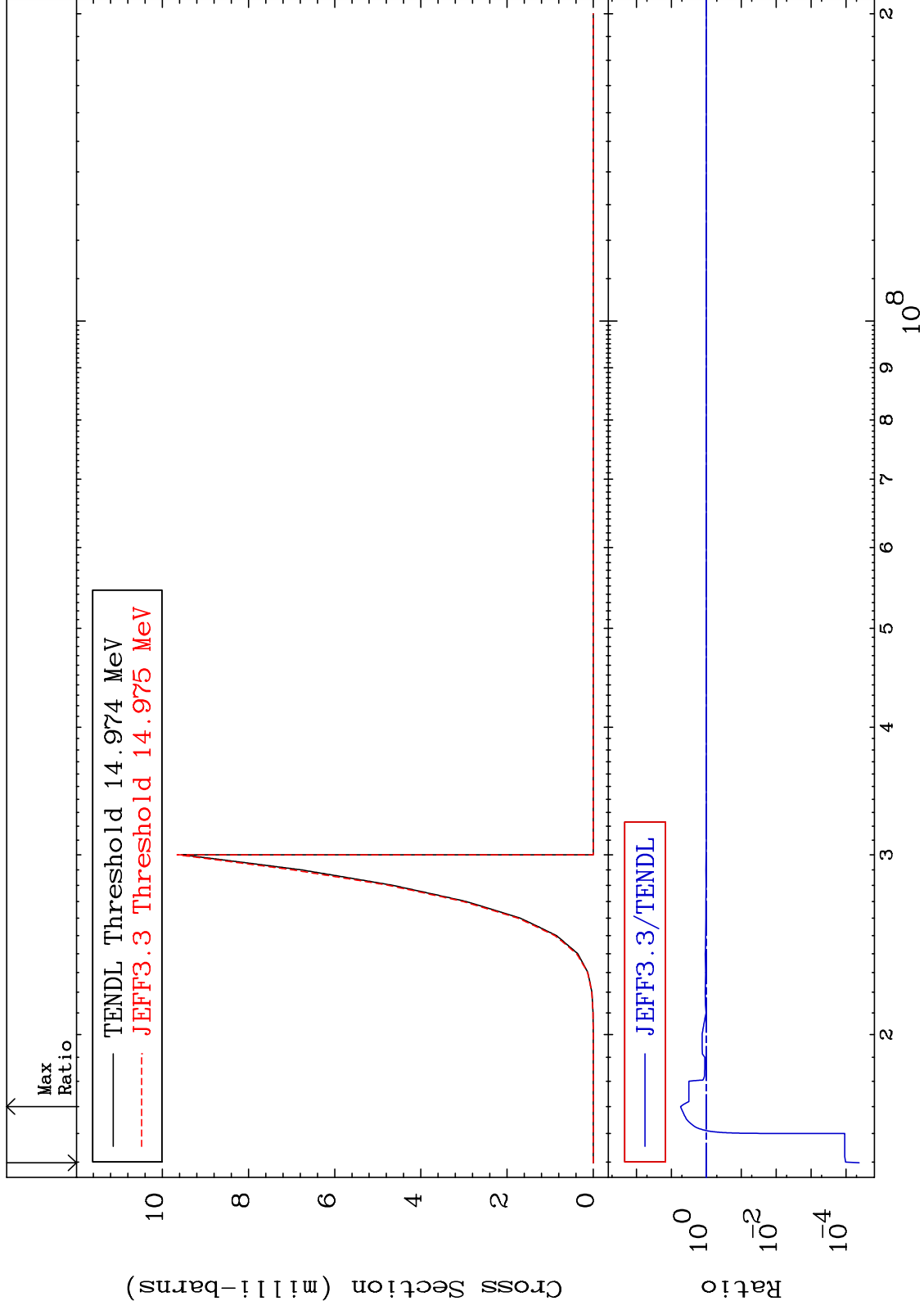


MAT 7831

(n,2n) p:77-Ir-190g

78-Pt-192

Radionuclide Production Cross Section -100.0 To 444.6 %



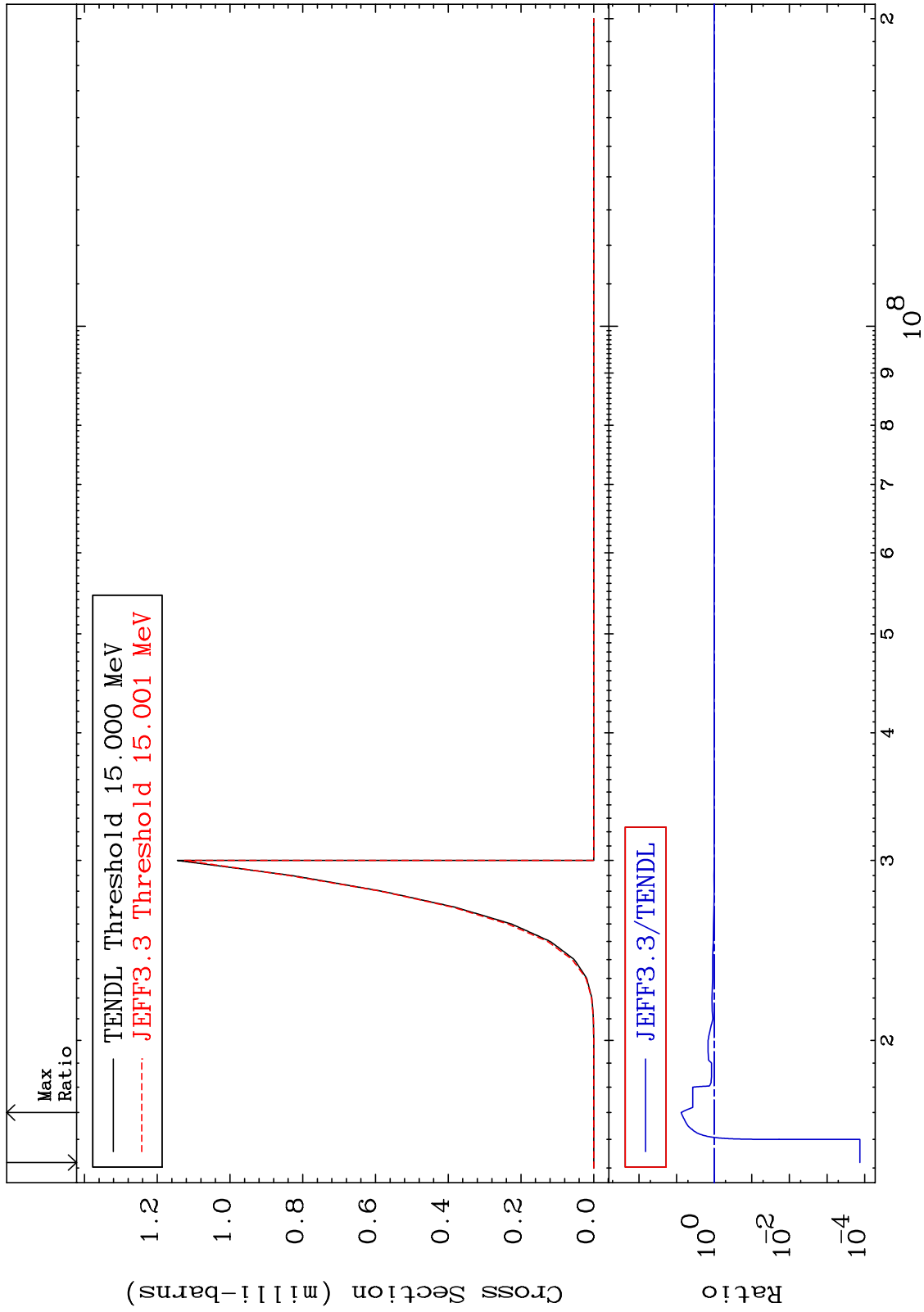
85

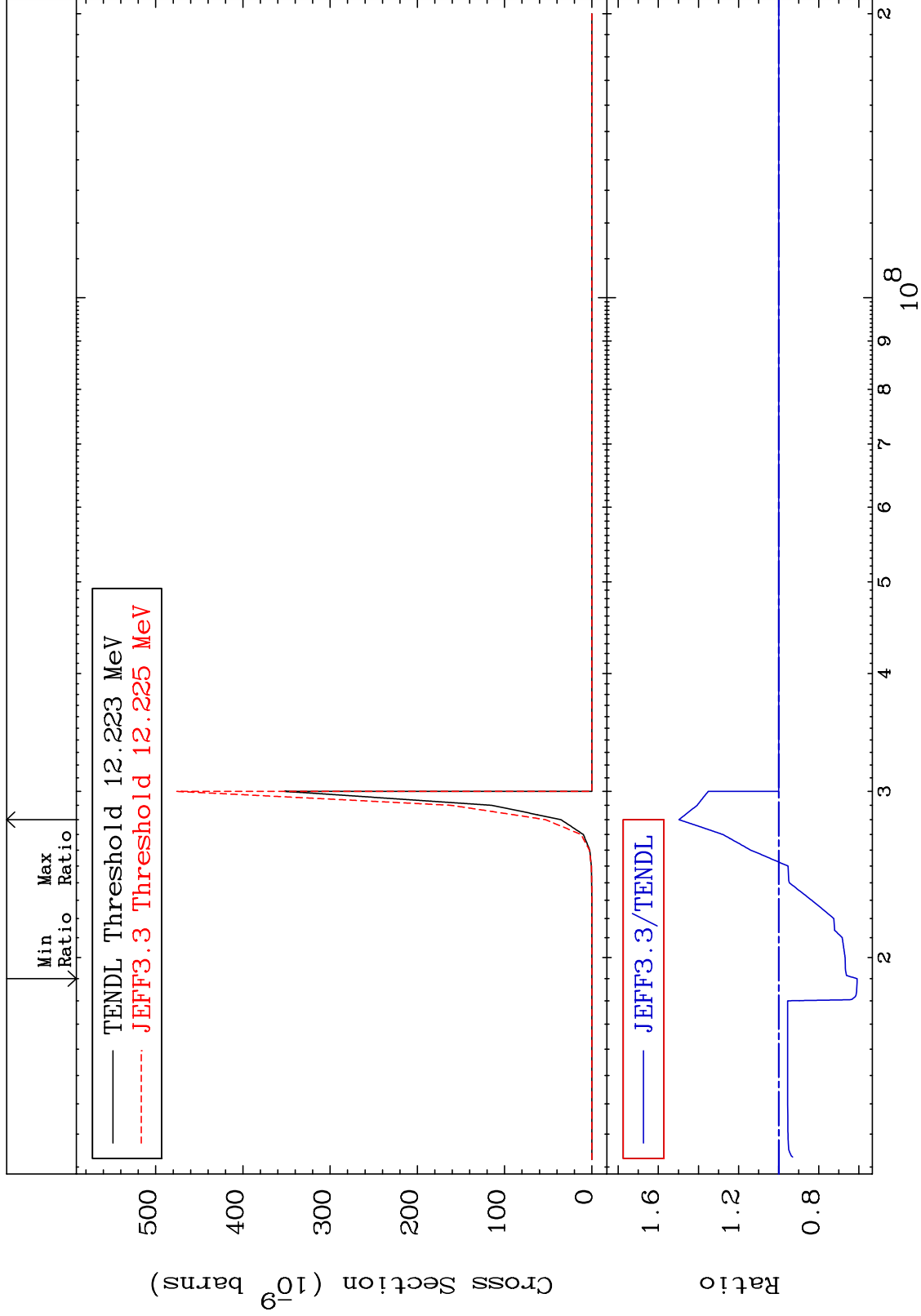
Incident Energy (eV)

78-Pt-192

Radionuclide Production Cross Section

-99.99 To 651.3 %



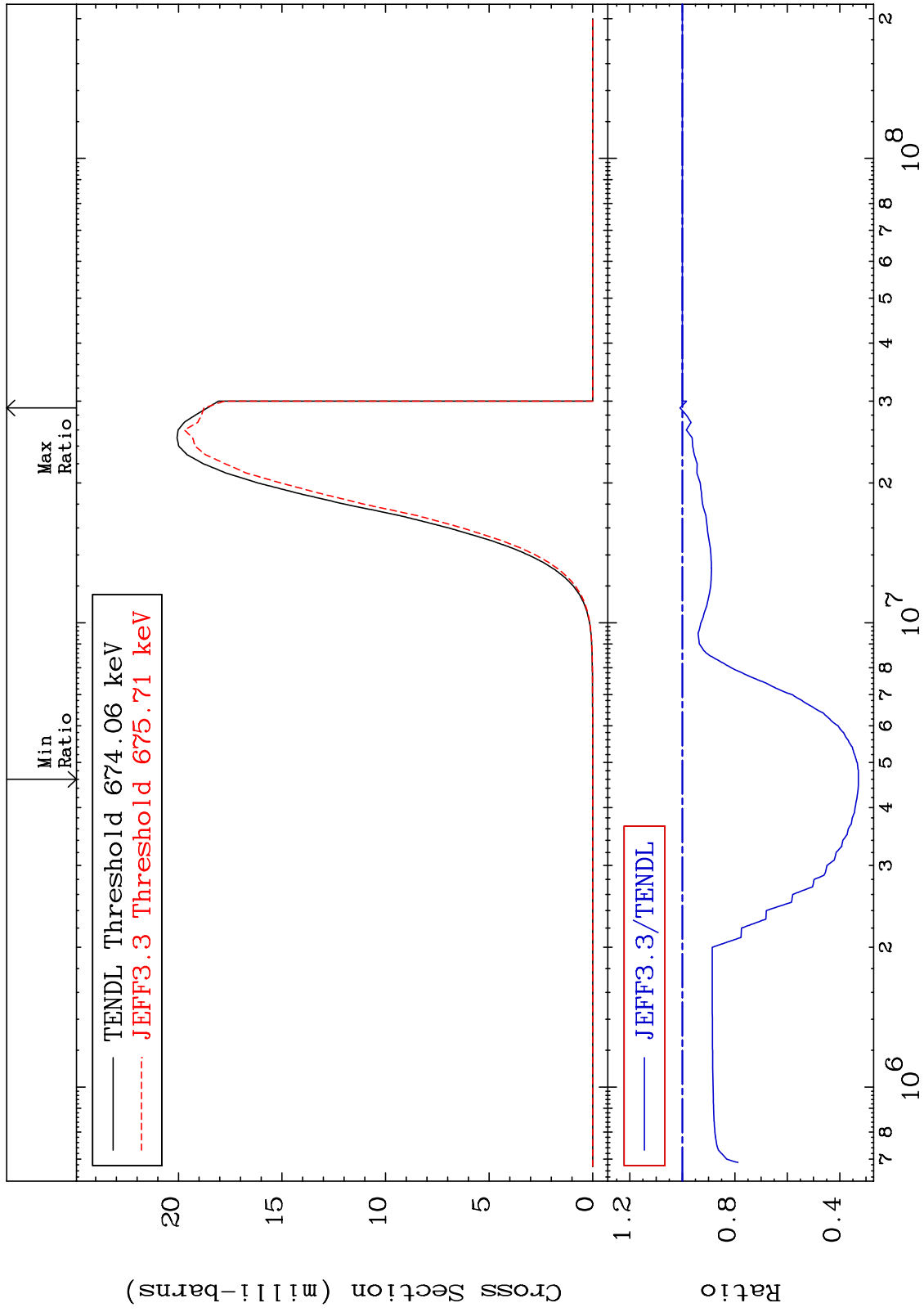


MAT 7831

(n,p):77-Ir-192g

78-Pt-192

Radionuclide Production Cross Section -67.10 To 0.880 %



88

78-Pt-192

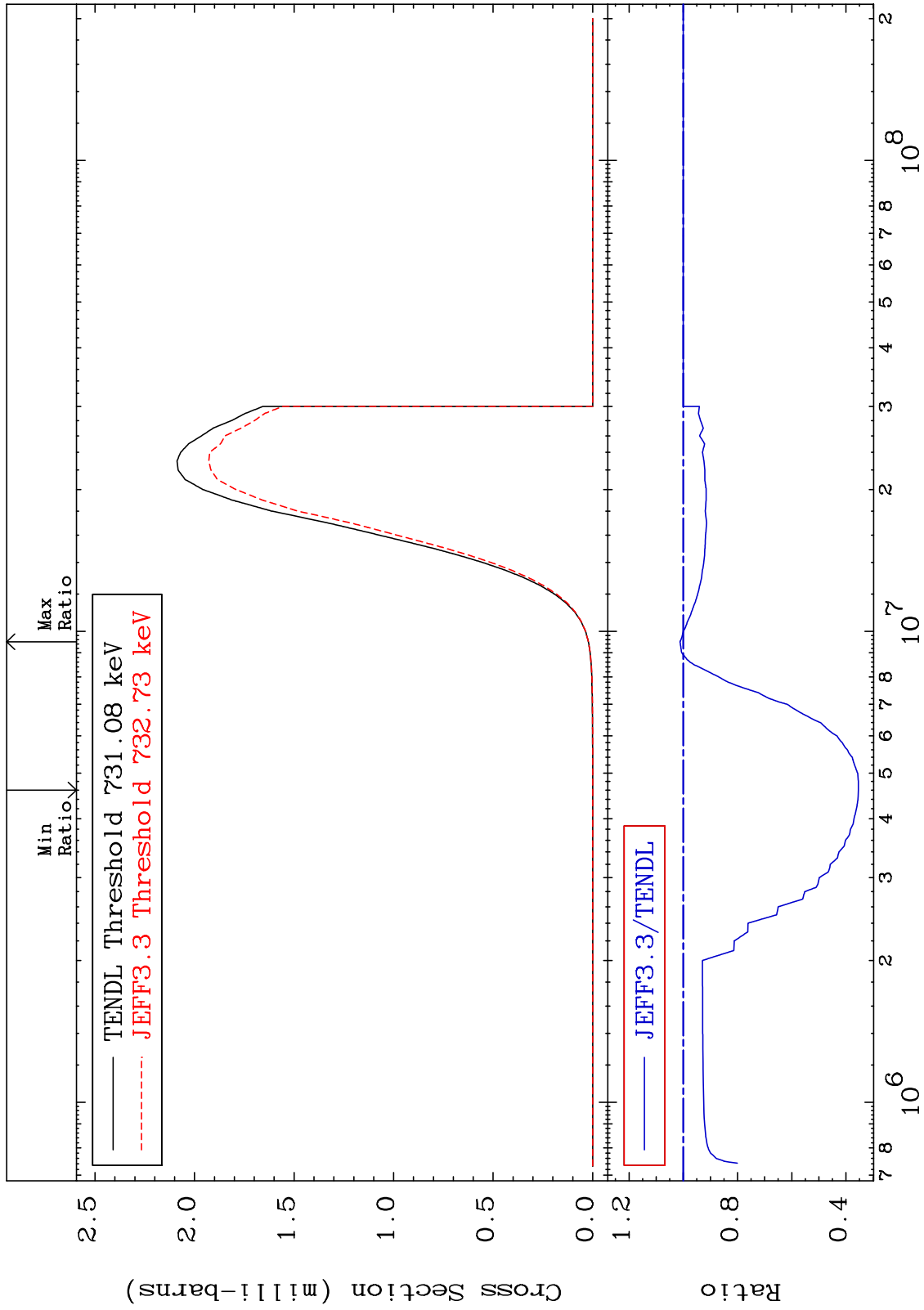
MAT 7831

(n, p) : 77-Ir-192m3

78-Pt-192

Radionuclide Production Cross Section

-64.58 To 1.198 %



89

Incident Energy (eV)

78-Pt-192

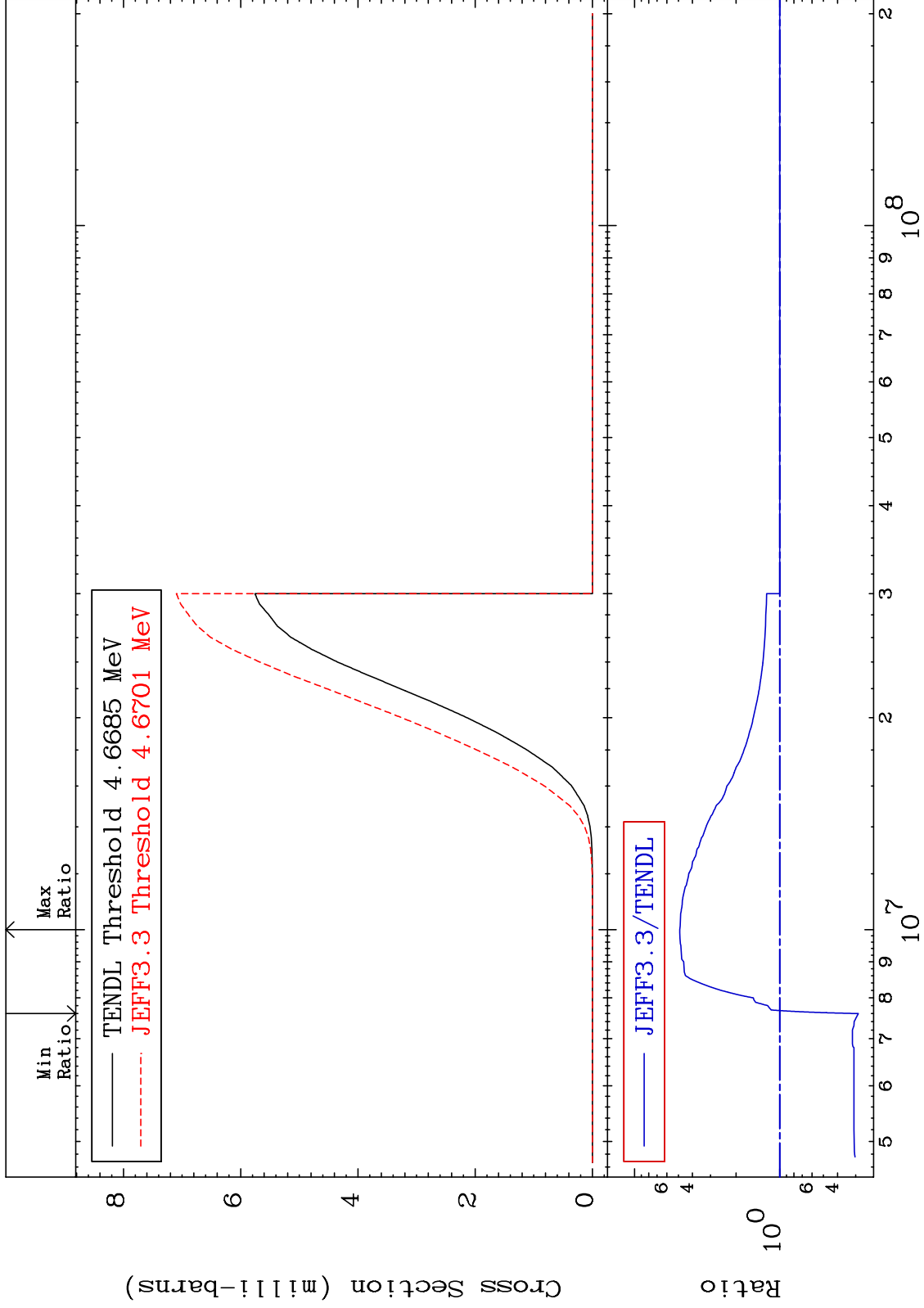
MAT 7831

(n,d):77-Ir-191g

78-Pt-192

Radionuclide Production Cross Section

-71.25 To 388.5 %



90

Incident Energy (eV)

78-Pt-192

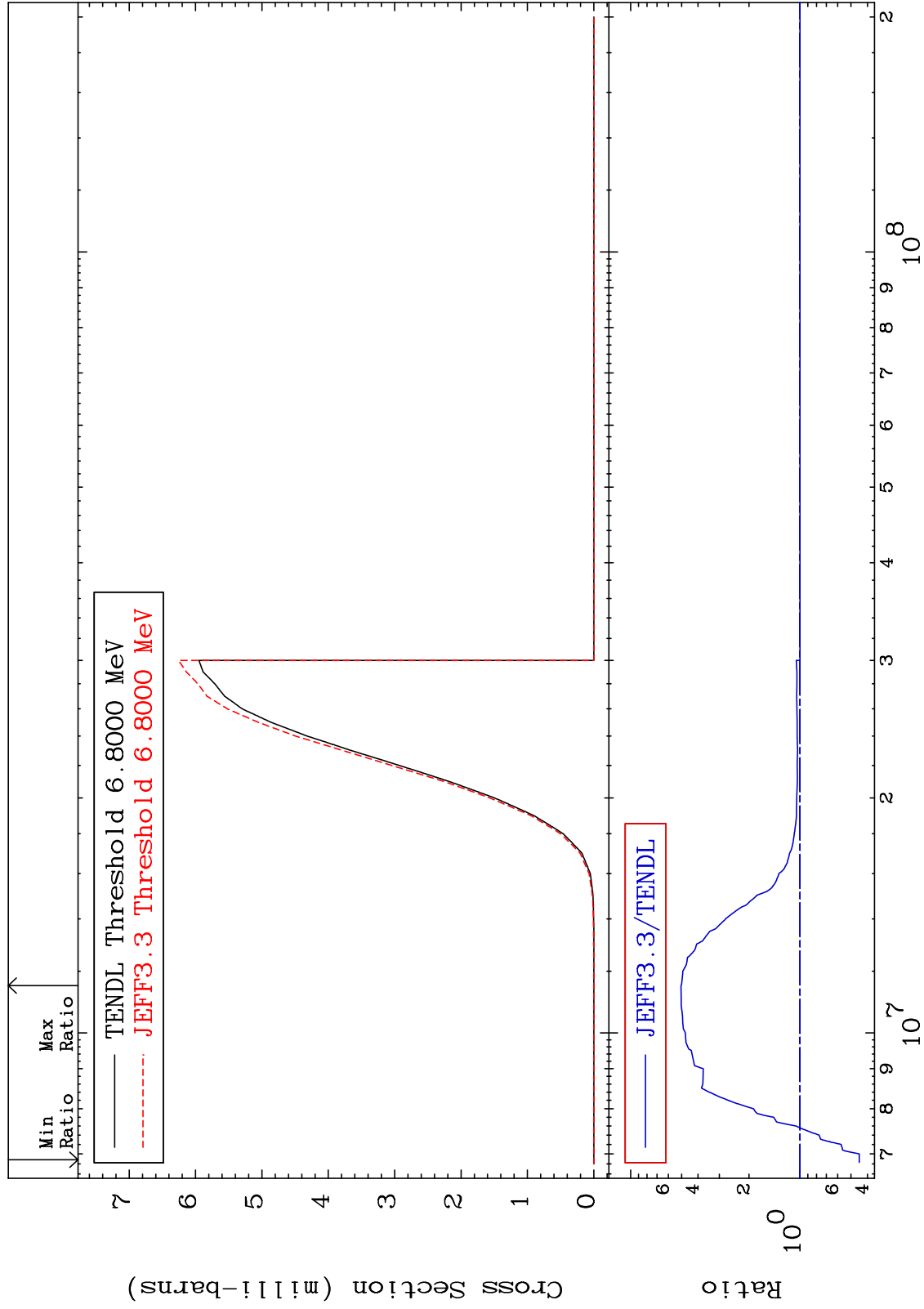
MAT 7831

(n,d):77-Ir-191m3

78-Pt-192

Radionuclide Production Cross Section

-55.29 To 404.2 %



91

Incident Energy (eV)

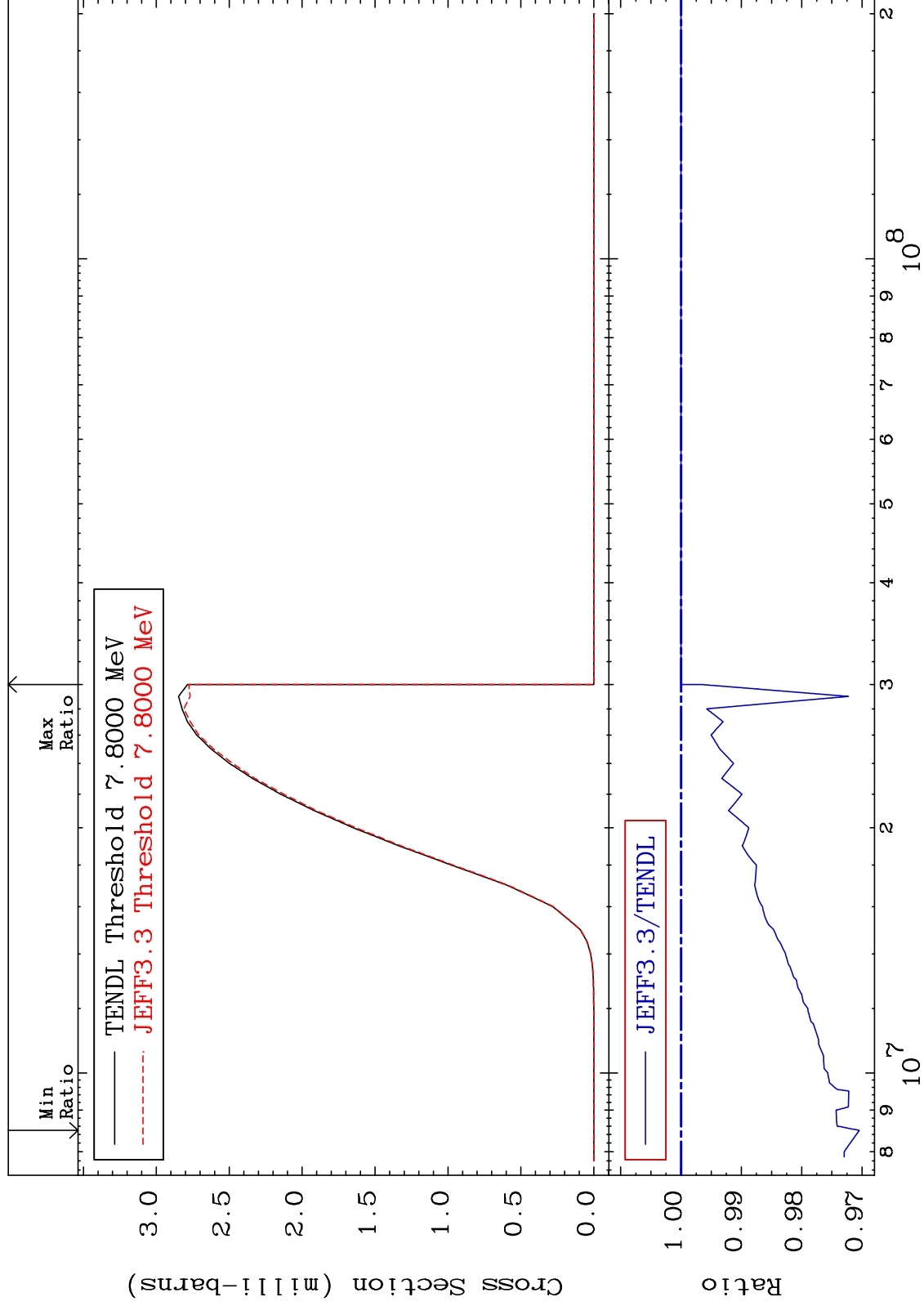
78-Pt-192

MAT 7831

(n, d) : 77-Ir-191m5

78-Pt-192

Radionuclide Production Cross Section -2.954 To 0.000 %



92

Incident Energy (eV)

78-Pt-192

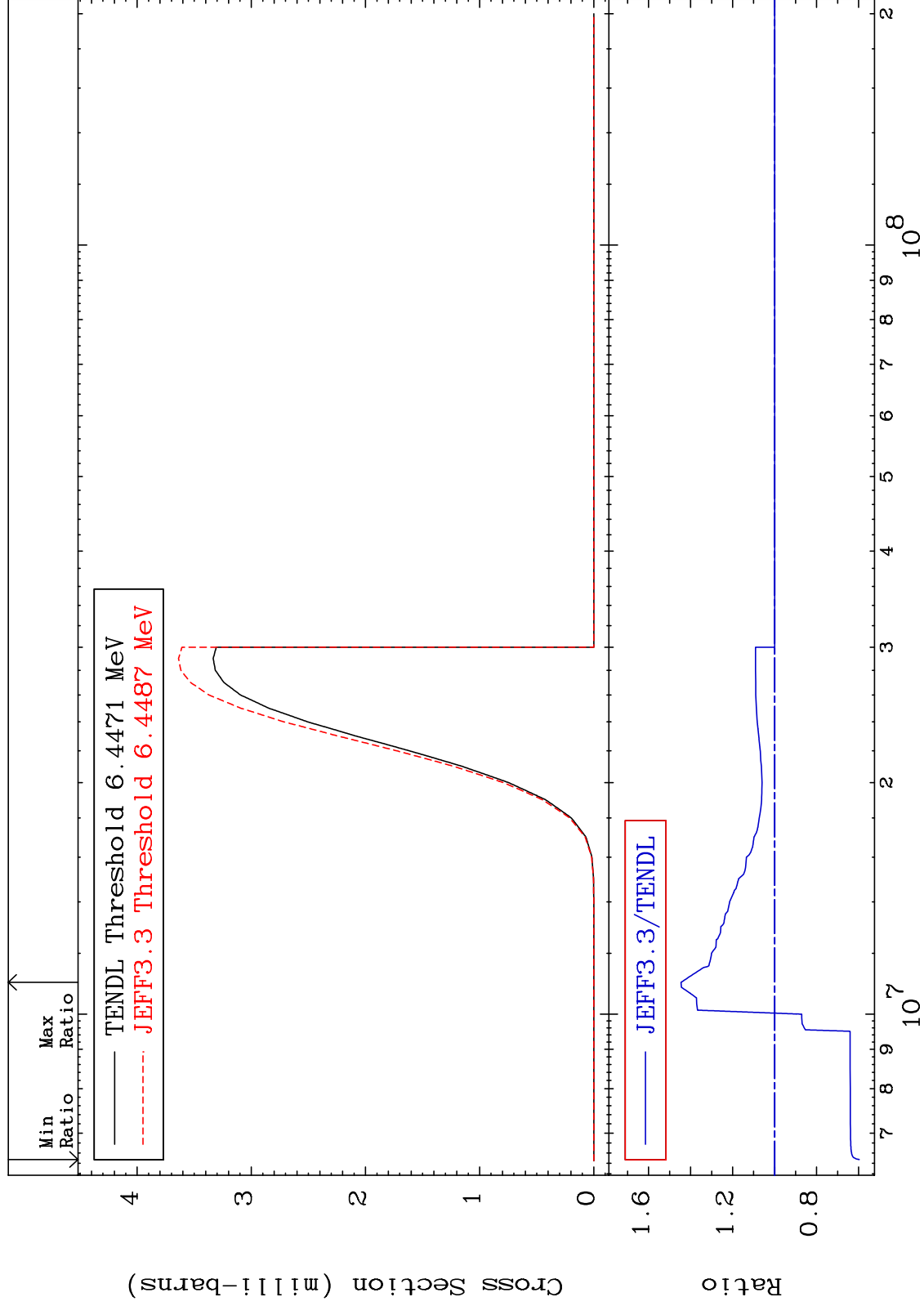
MAT 7831

(n, t): 77-Ir-190g

78-Pt-192

Radionuclide Production Cross Section

-40.31 To 44.56 %



93

Incident Energy (eV)

78-Pt-192

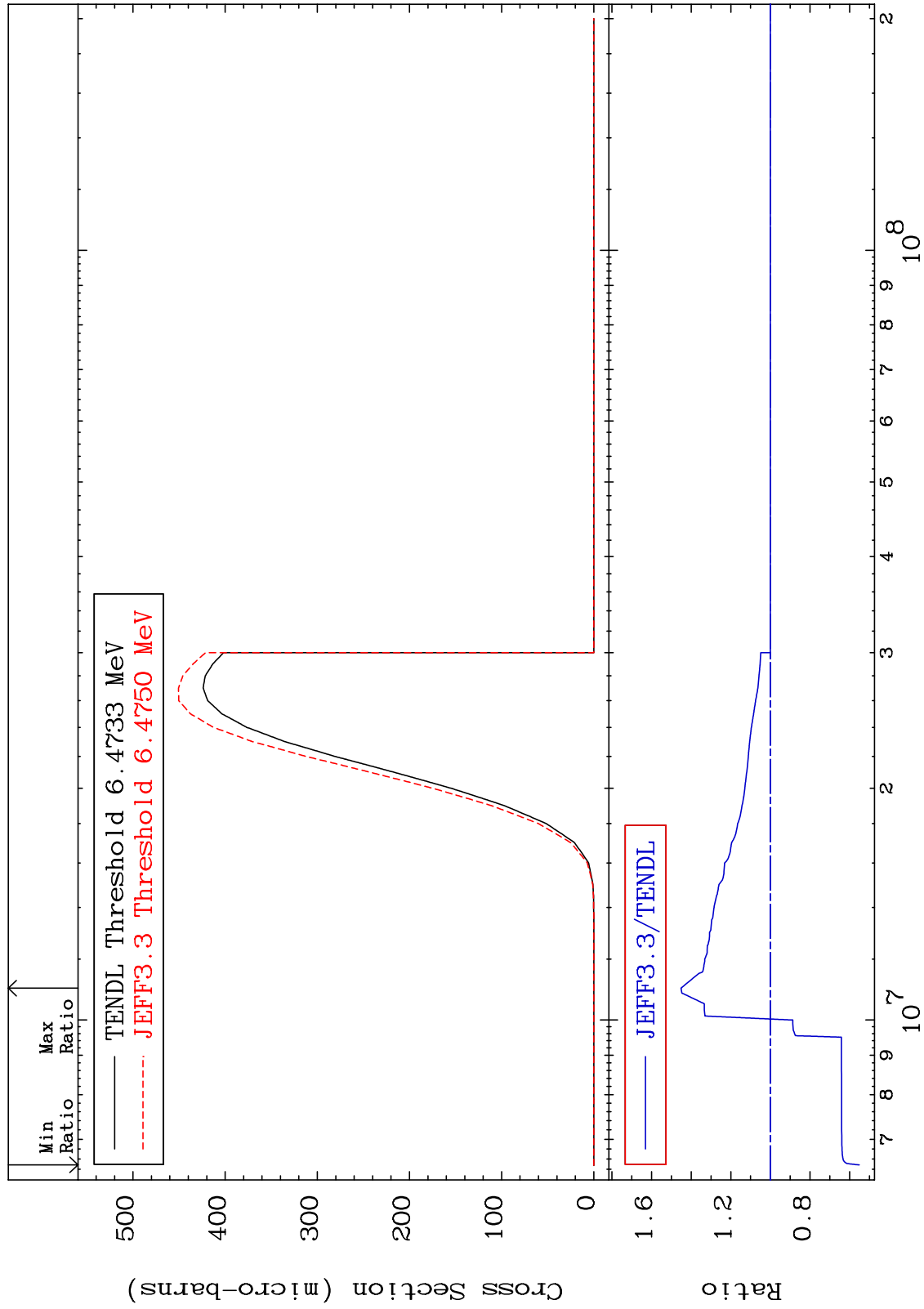
MAT 7831

(n, t) : 77-Ir-190m2

78-Pt-192

Radionuclide Production Cross Section

-44.85 To 45.10 %



94

Incident Energy (eV)

78-Pt-192

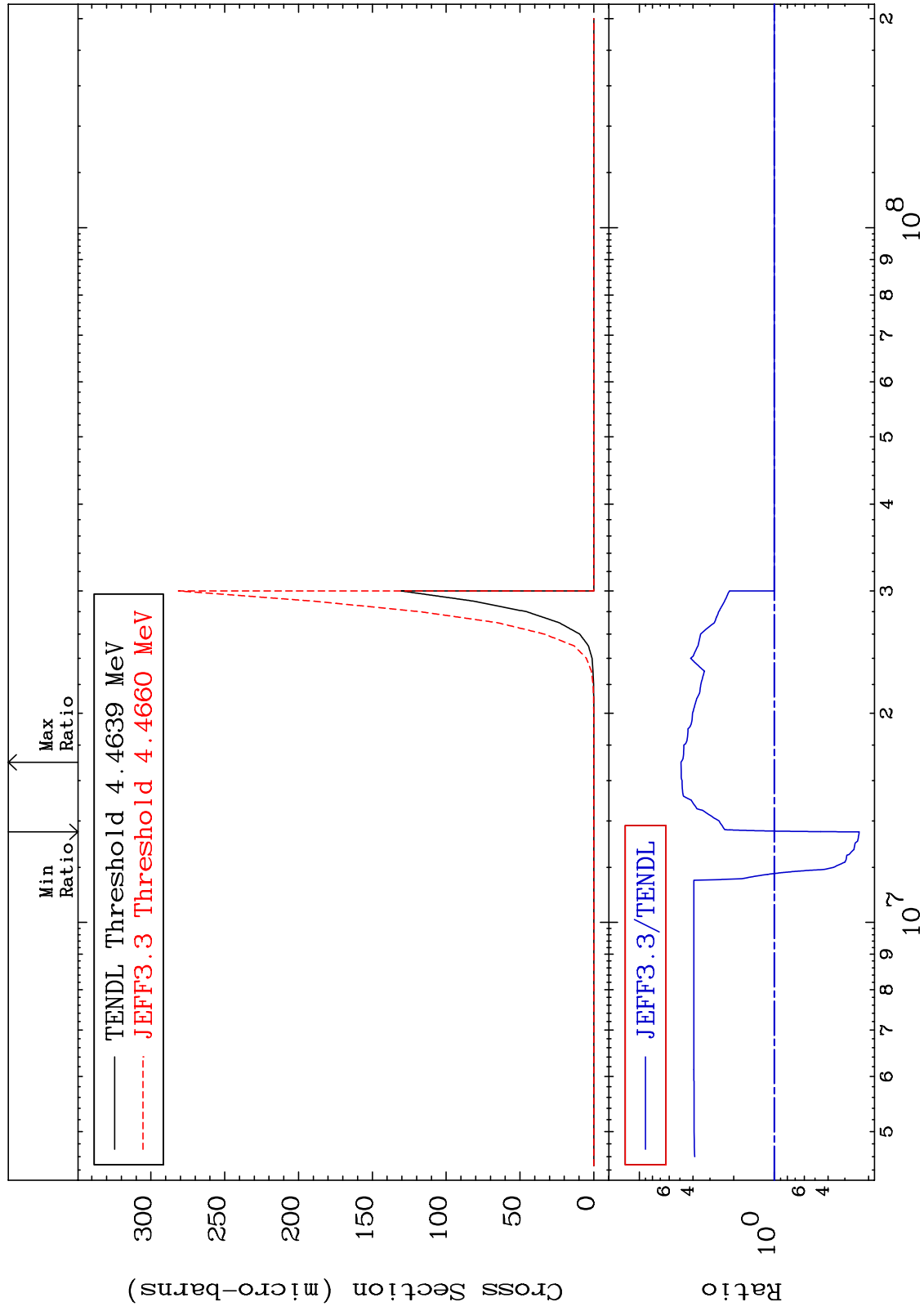
MAT 7831

78-Pt-192

(n,He-3):76-0s-190g

Radionuclide Production Cross Section

-76.53 To 390.7 %



95

Incident Energy (eV)

78-Pt-192

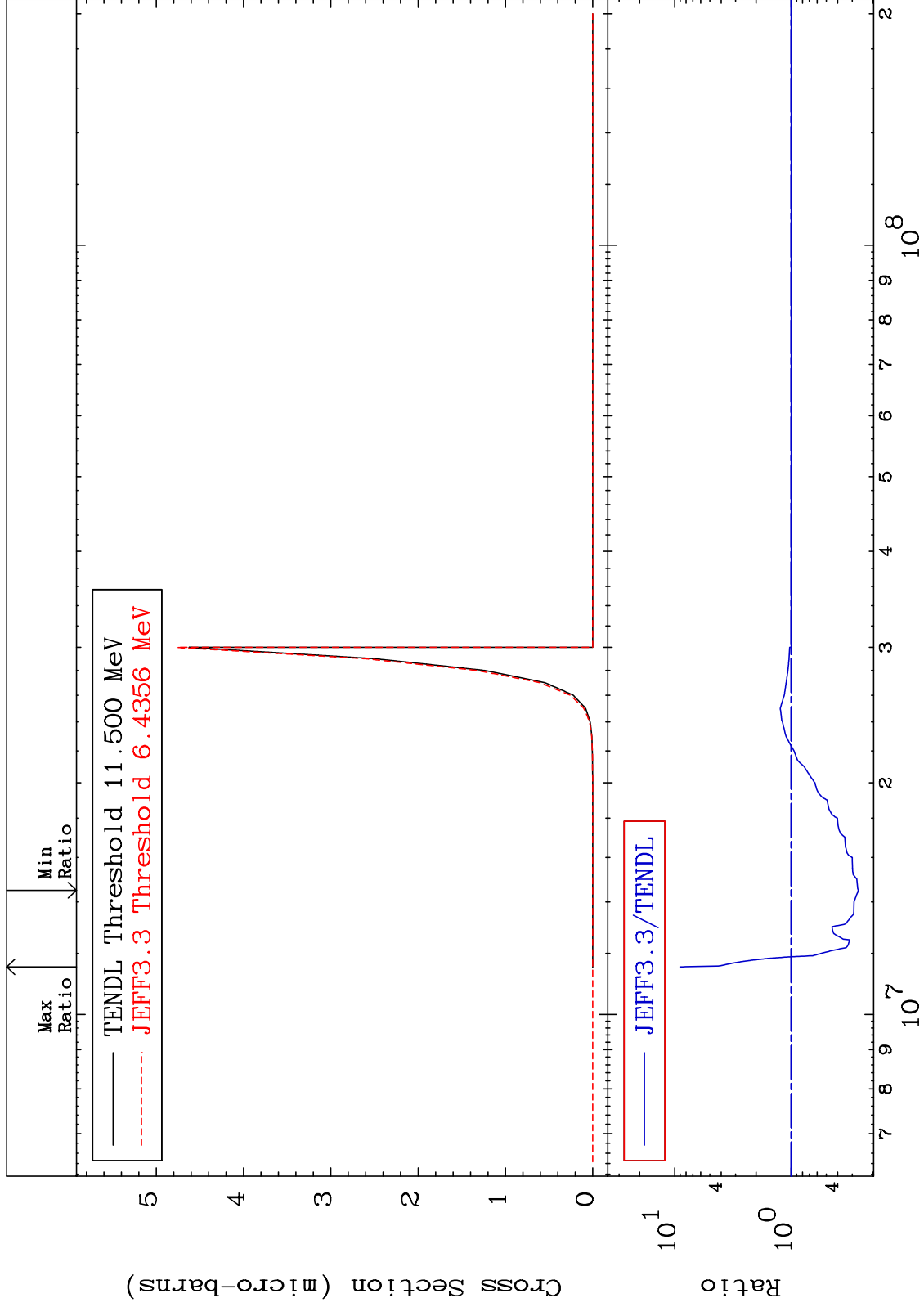
MAT 7831

(n,2p):76-Os-191g

78-Pt-192

Radionuclide Production Cross Section

-73.49 To 801.0 %



96

Incident Energy (eV)

78-Pt-192

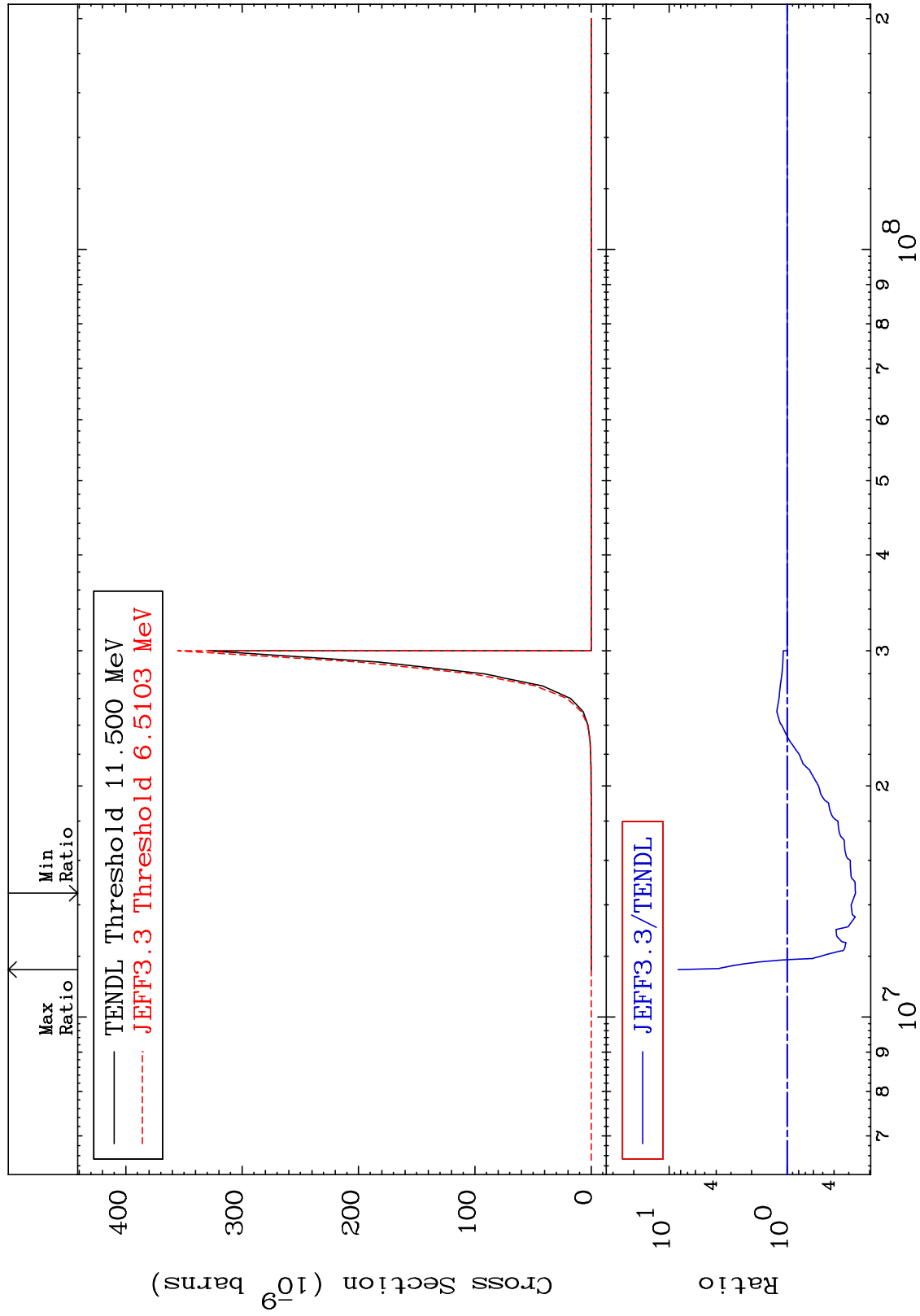
MAT 7831

(n,2p): 76-Os-191m1

78-Pt-192

Radionuclide Production Cross Section

-73.69 To 741.1 %



97

Incident Energy (eV)

78-Pt-192

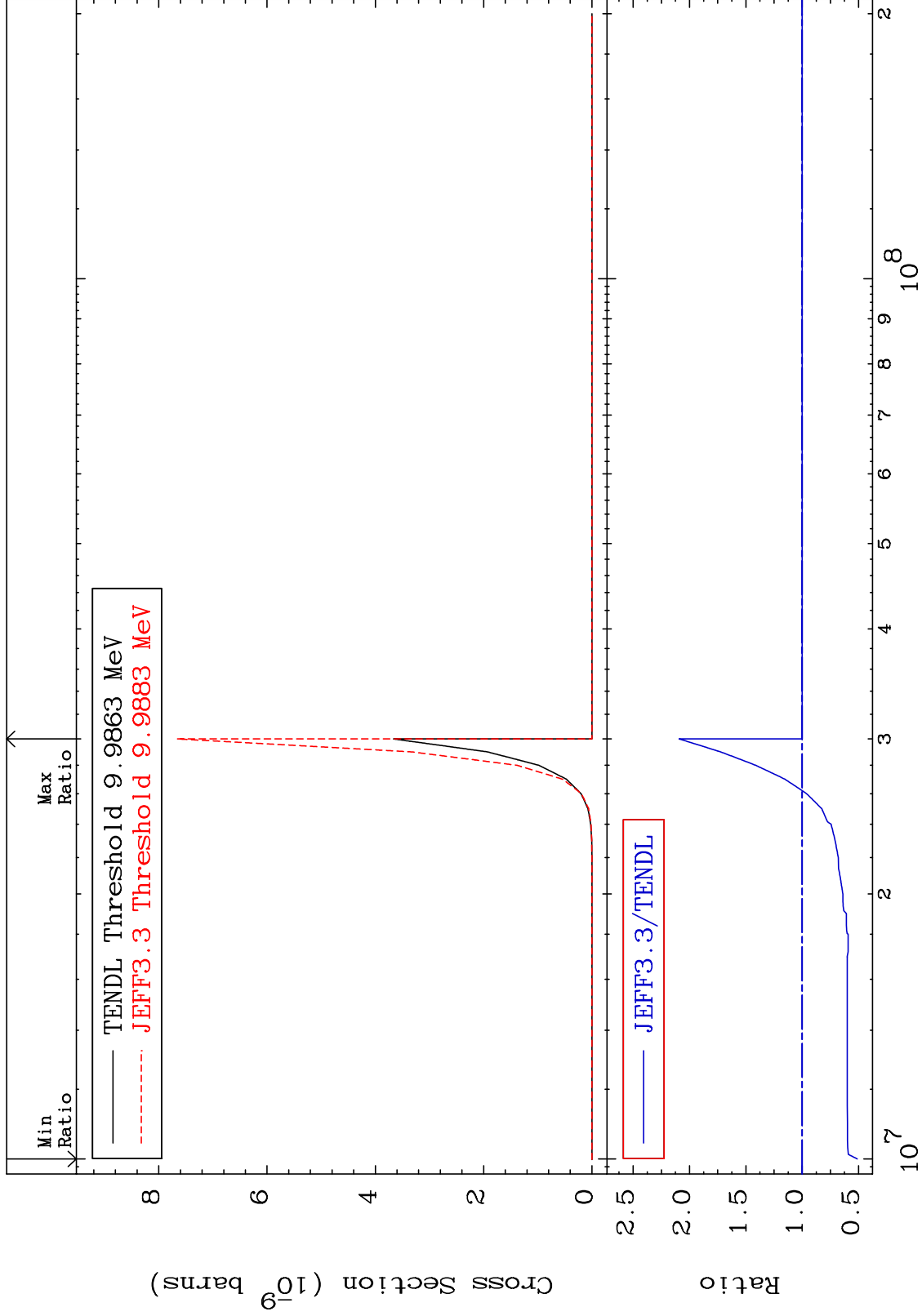
MAT 7831

(n, p) d:76-Os-190g

78-Pt-192

Radionuclide Production Cross Section

-48.88 To 109.2 %



78-Pt-192

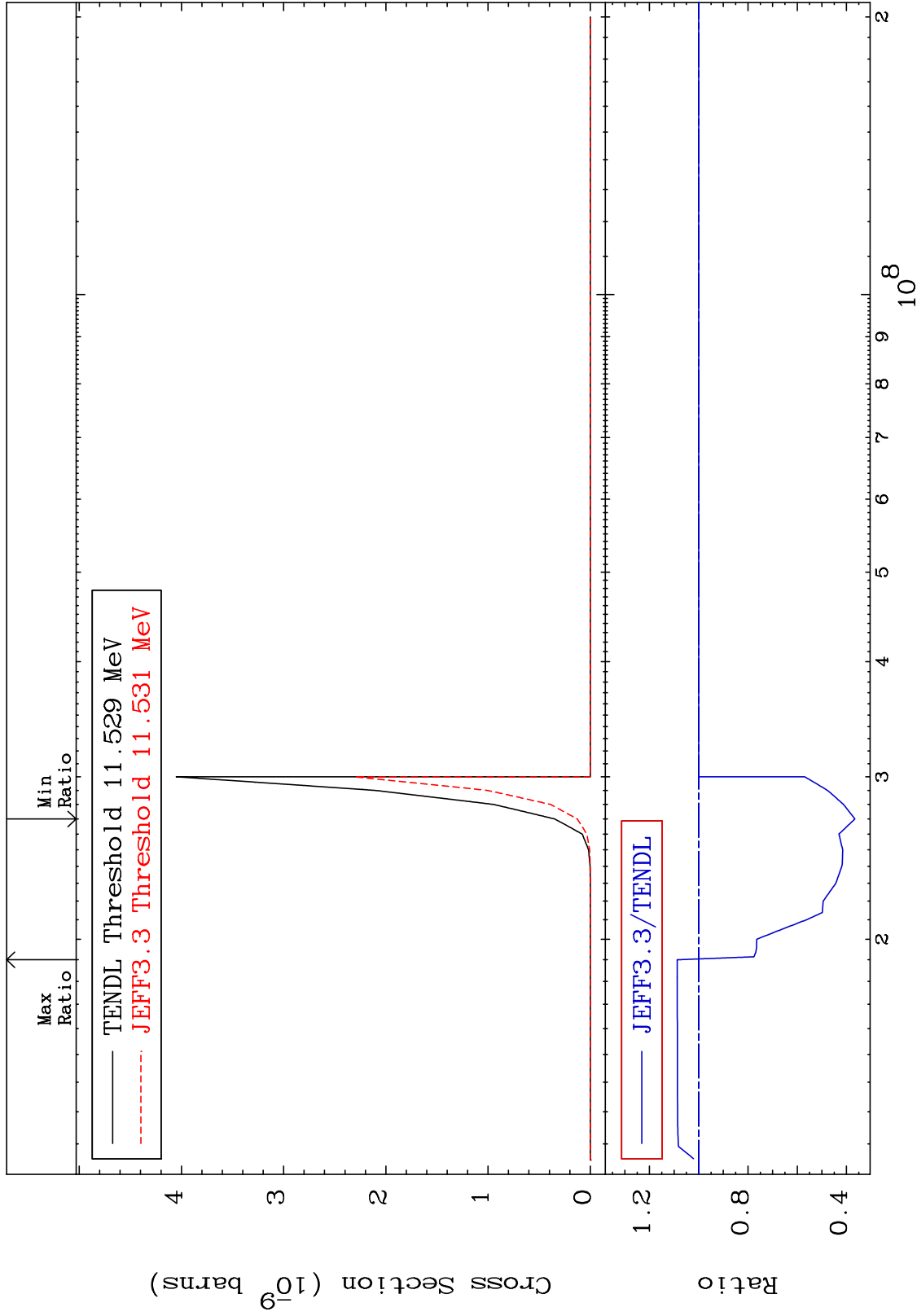
MAT 7831

(n, p) t: 76-Os-189g

78-Pt-192

Radionuclide Production Cross Section

-63.42 To 8.711 %



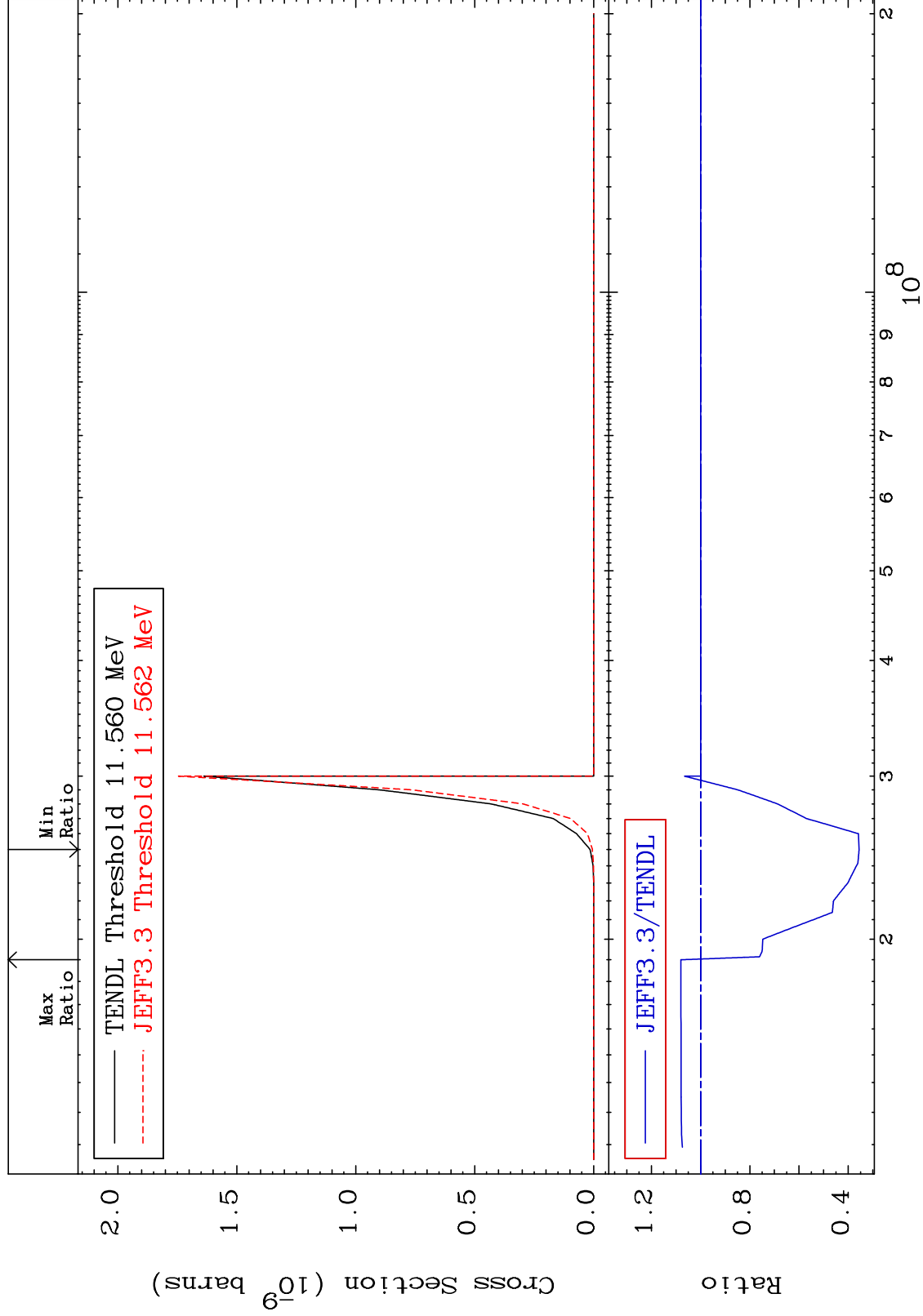
MAT 7831

(n, p) t:76-0s-189m1

78-Pt-192

Radionuclide Production Cross Section

-64.43 To 8.011 %



100

Incident Energy (eV)

78-Pt-192

