

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

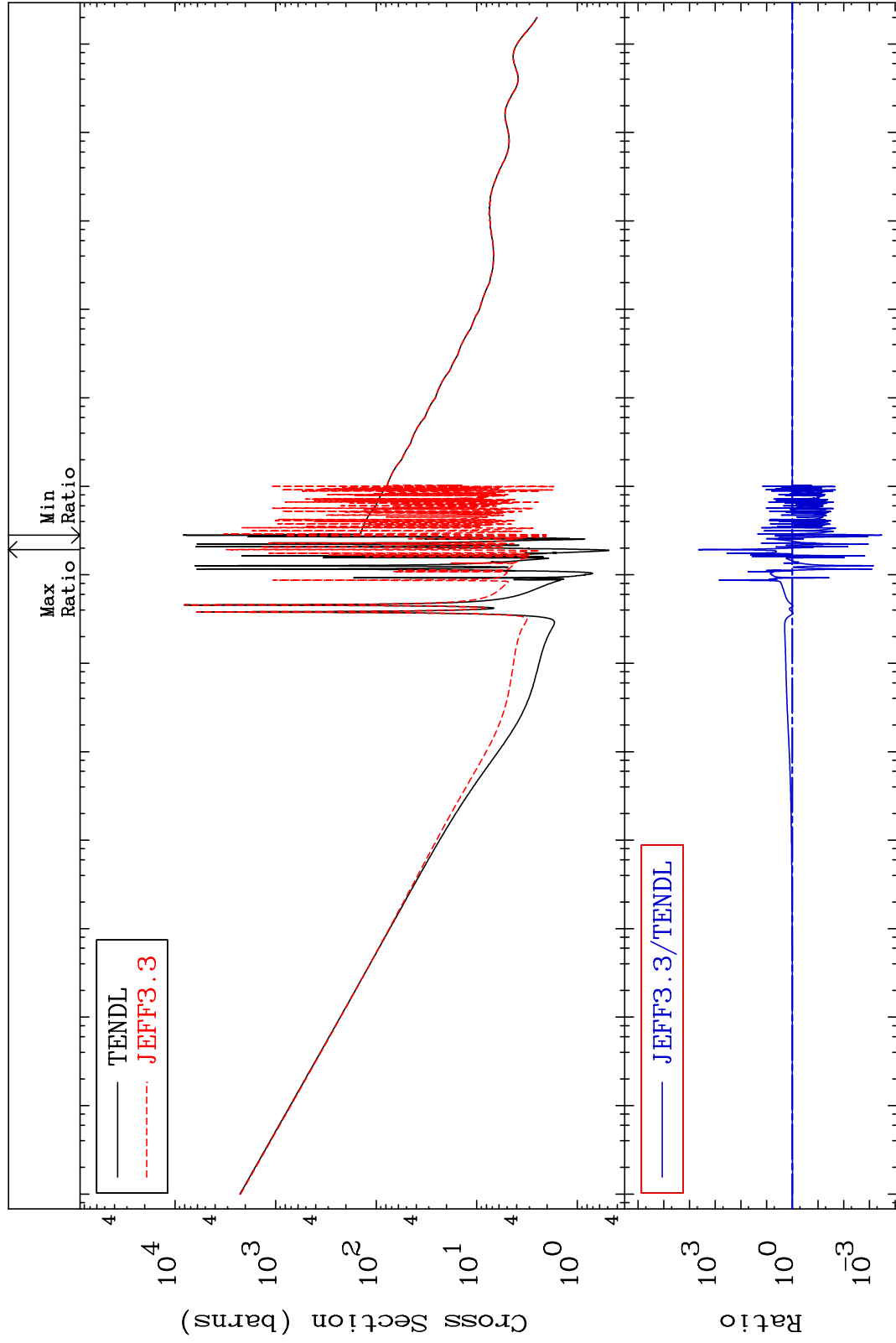
MAT 6631

Total

66-Dy-158

Cross Section

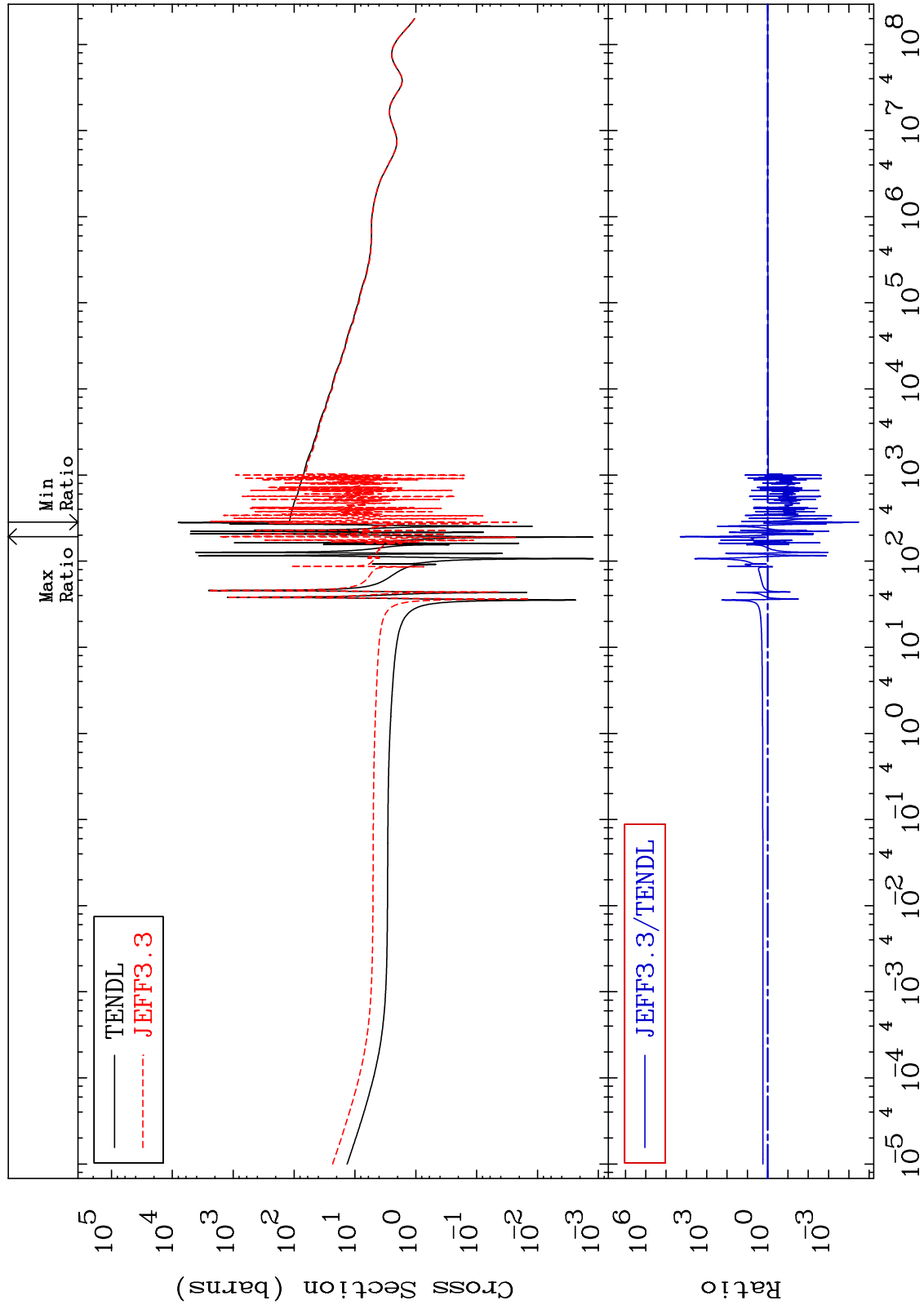
-99.97 To 9999. %



MAT 6631

Elastic
Cross Section

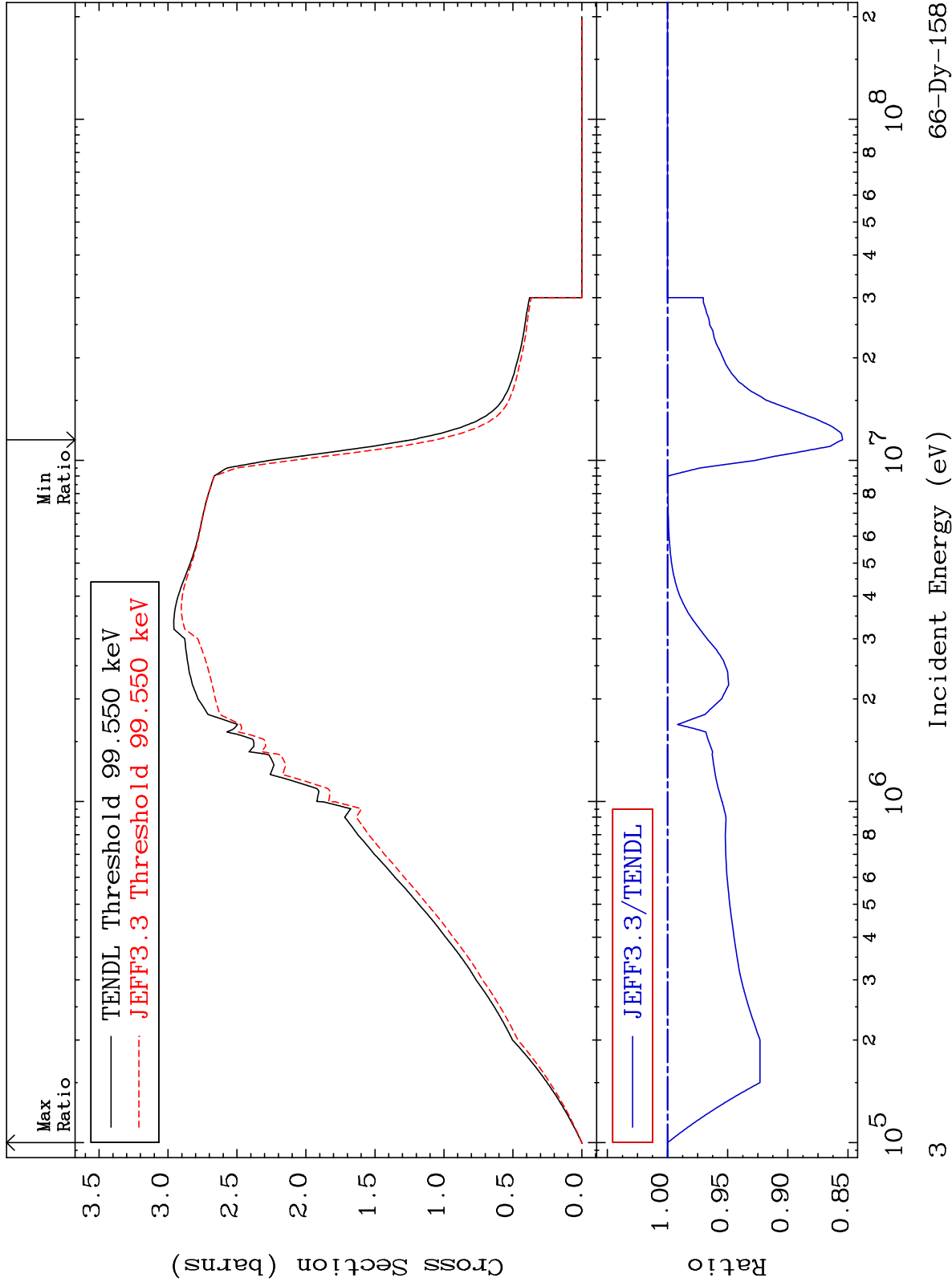
66-Dy-158
-100.0 To 9999. %



MAT 6631

Inelastic
Cross Section

66-Dy-158
-14.55 To 0.000 %



66-Dy-158

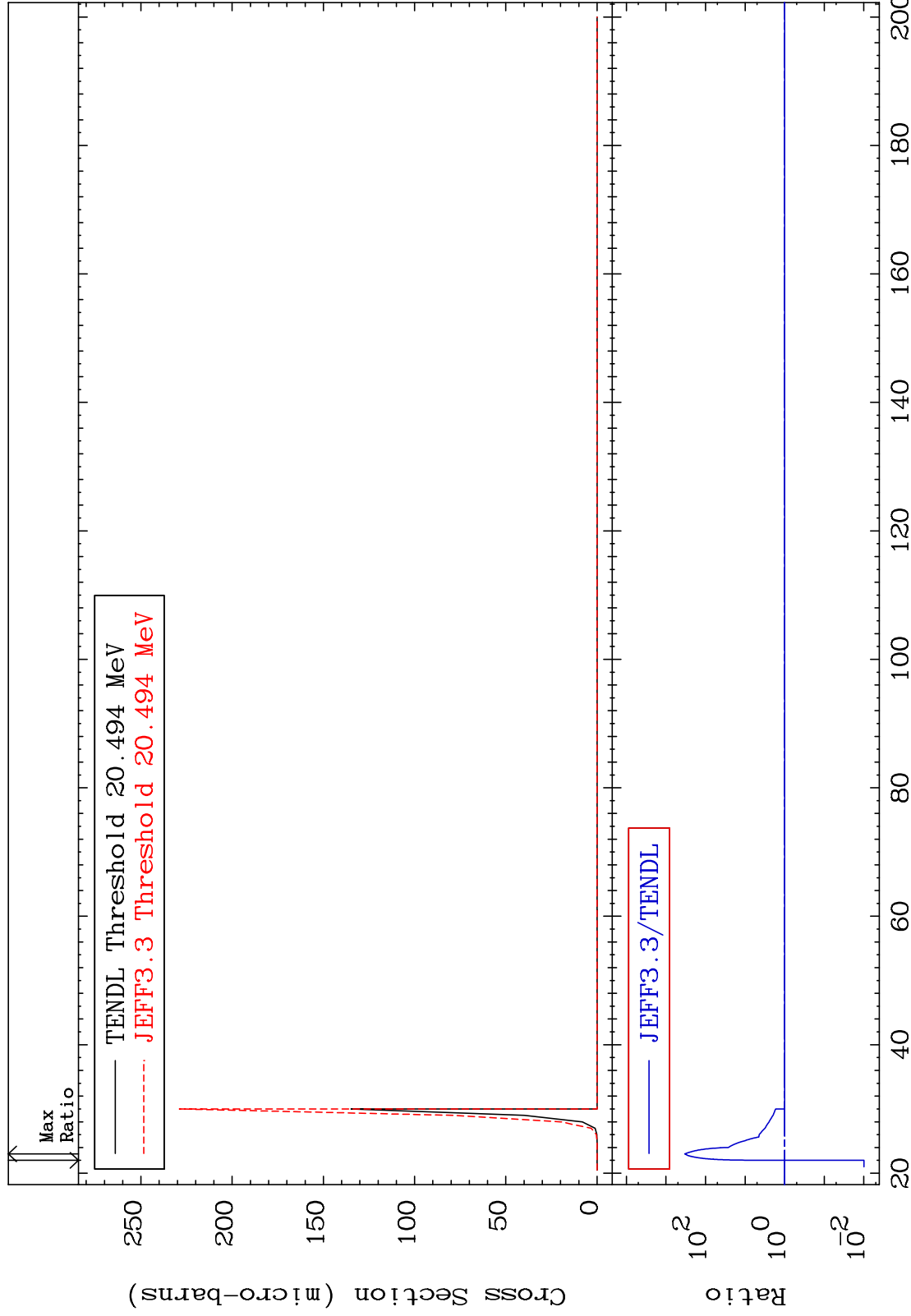
MAT 6631

(n,2n) d

66-Dy-158

Cross Section

-99.01 To 9999. %



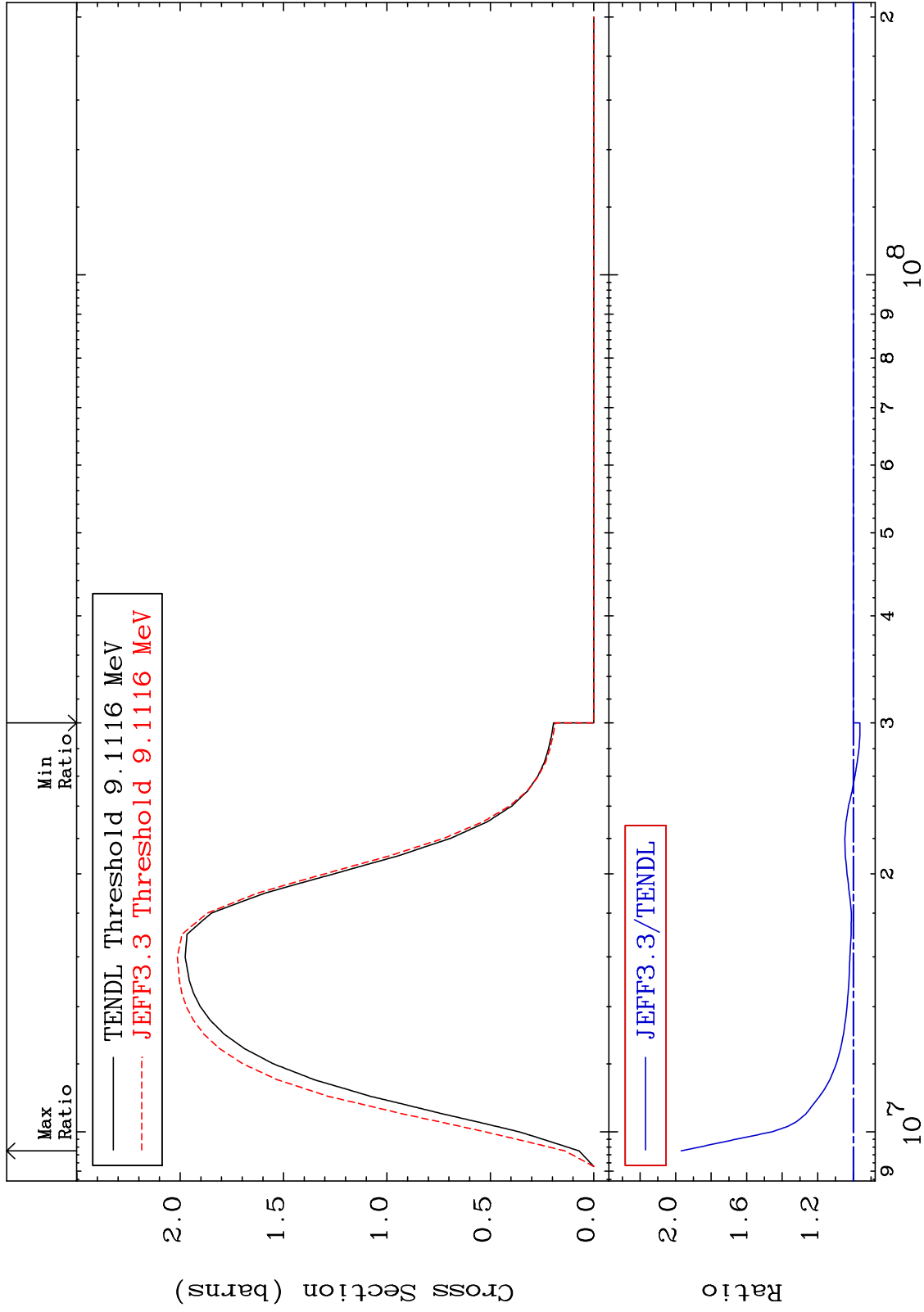
MAT 6631

(n, 2n)

66-Dy-158

Cross Section

-3.759 To 96.84 %



Incident Energy (eV)

66-Dy-158

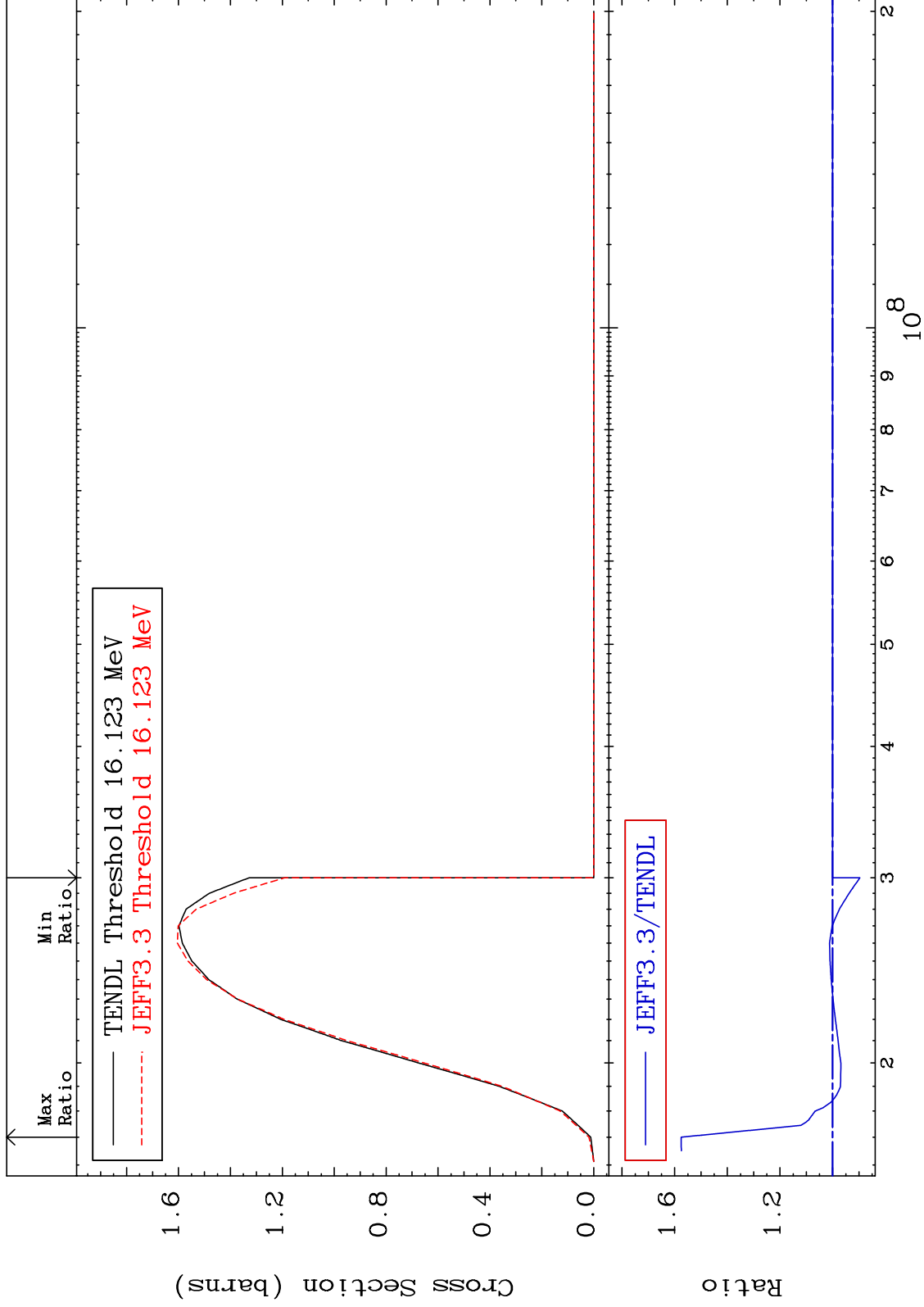
MAT 6631

(n, 3n)

66-Dy-158

Cross Section

-10.37 To 57.52 %



6

Incident Energy (eV)

66-Dy-158

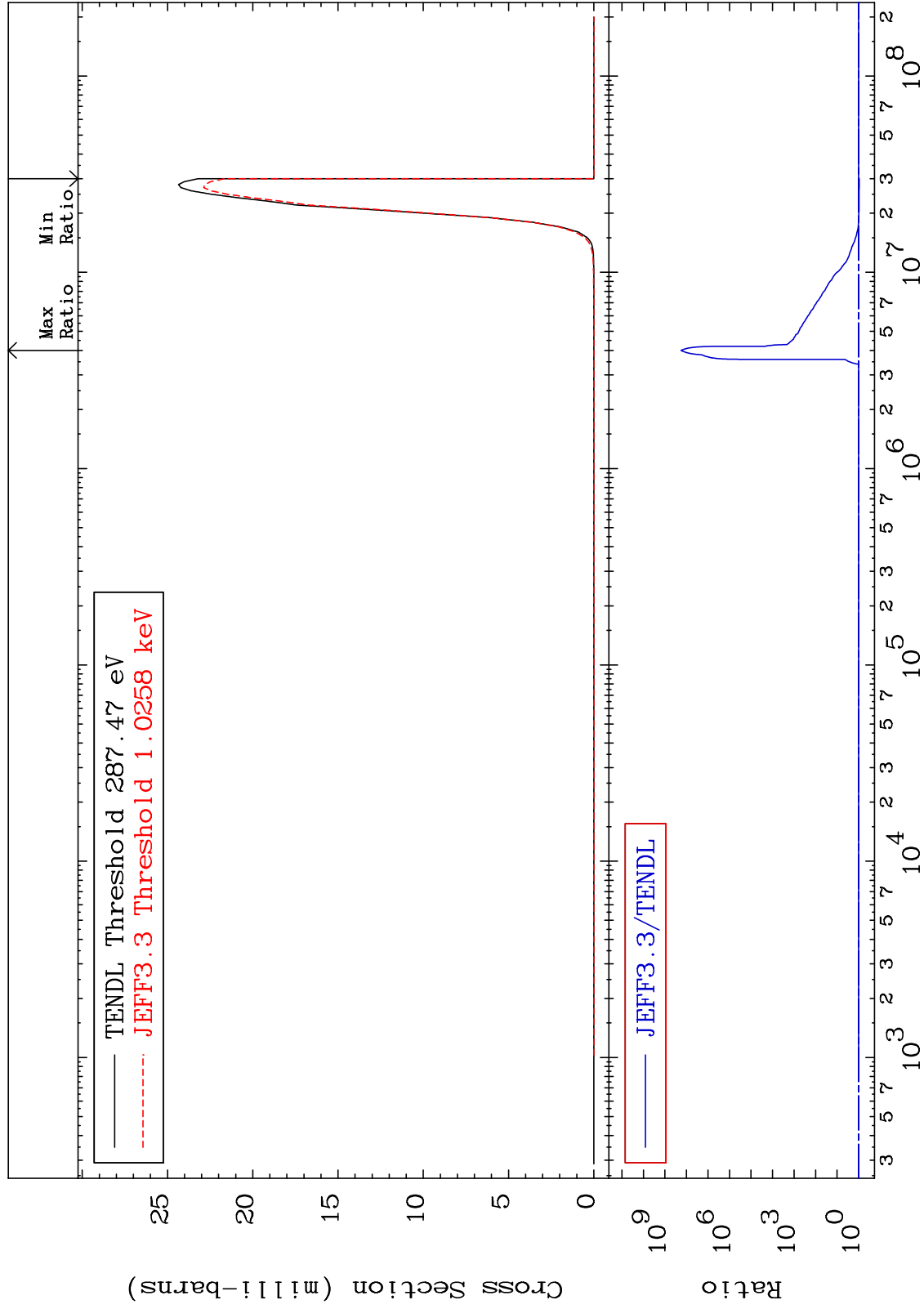
MAT 6631

(n, n') α

Cross Section

66-Dy-158

-6.667 To 9999. %



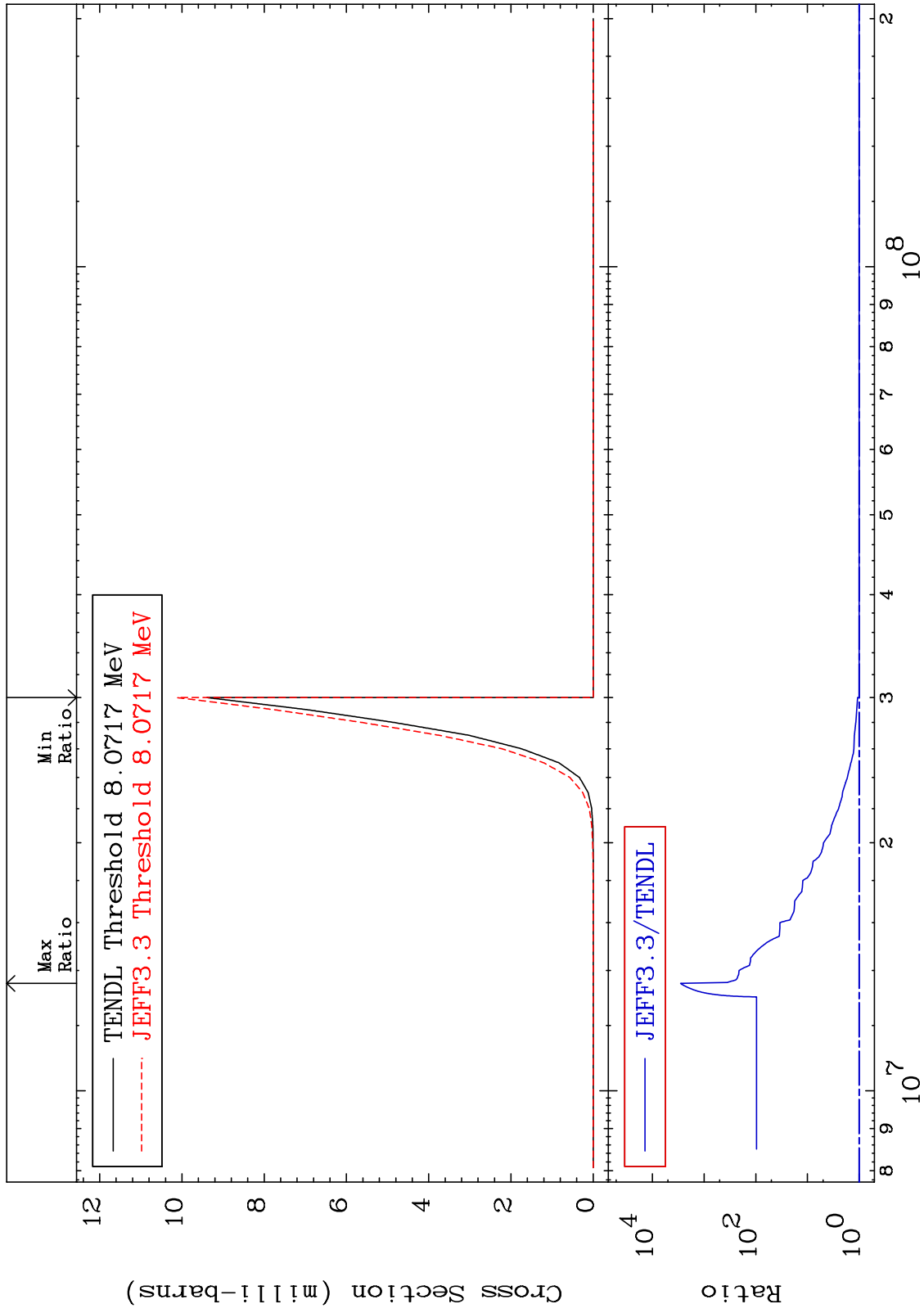
MAT 6631

(n,2n) α

66-Dy-158

Cross Section

0.000 To 9999. %



8

Incident Energy (eV)

66-Dy-158

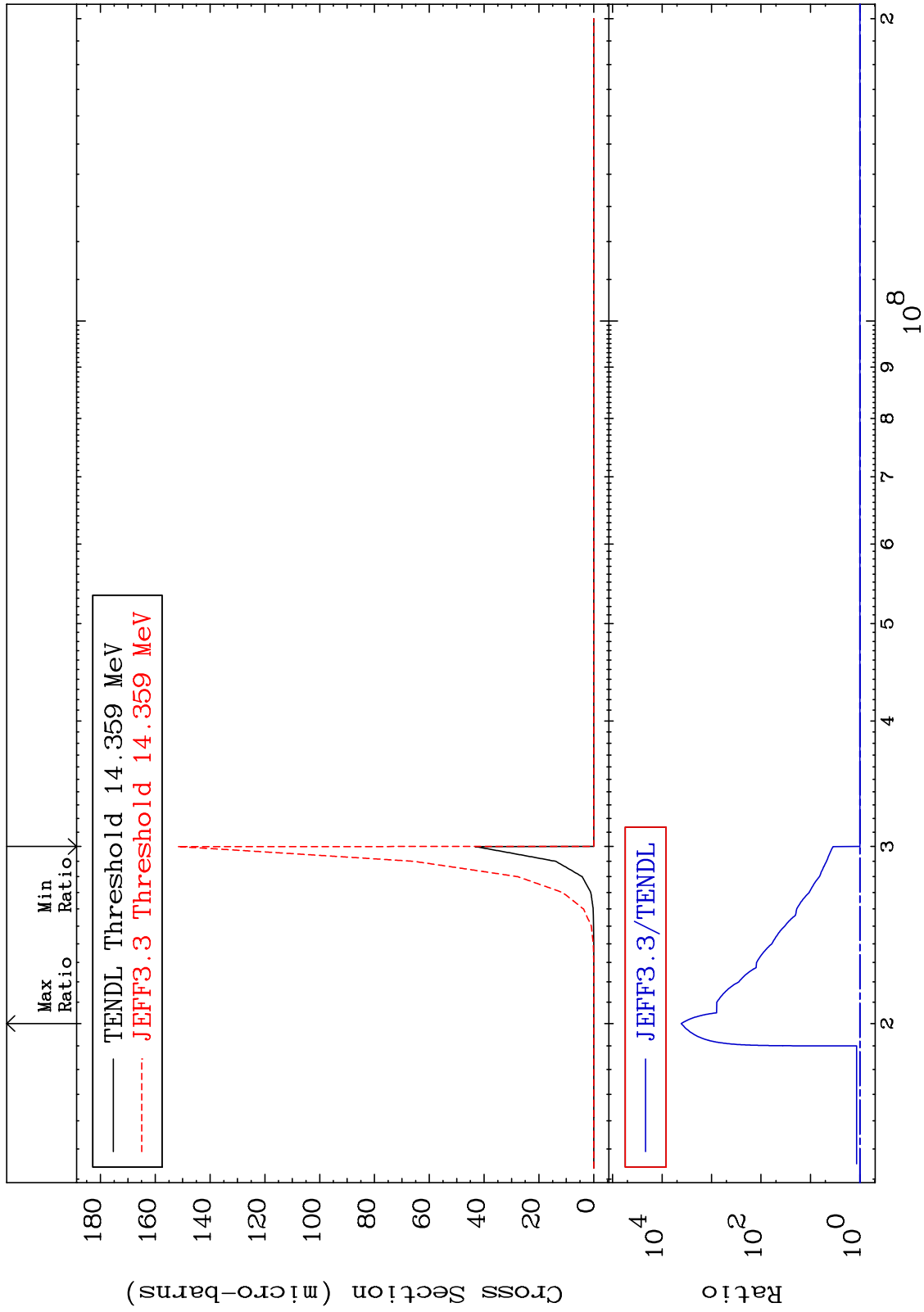
MAT 6631

(n,3n) α

66-Dy-158

Cross Section

0.000 To 9999. %



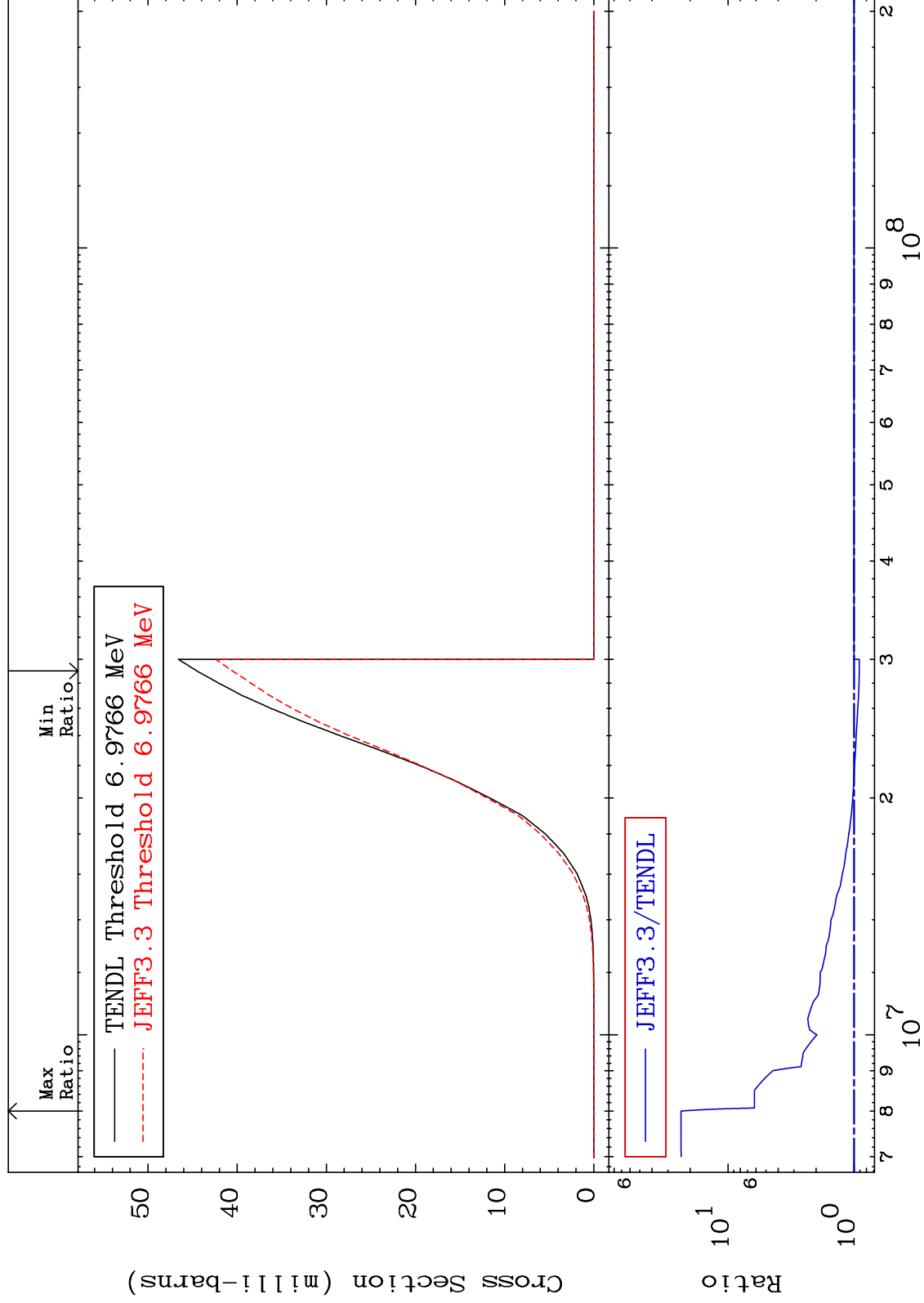
MAT 6631

(n, n') p

66-Dy-158

Cross Section

-9.012 To 2257. %



10

Incident Energy (eV)

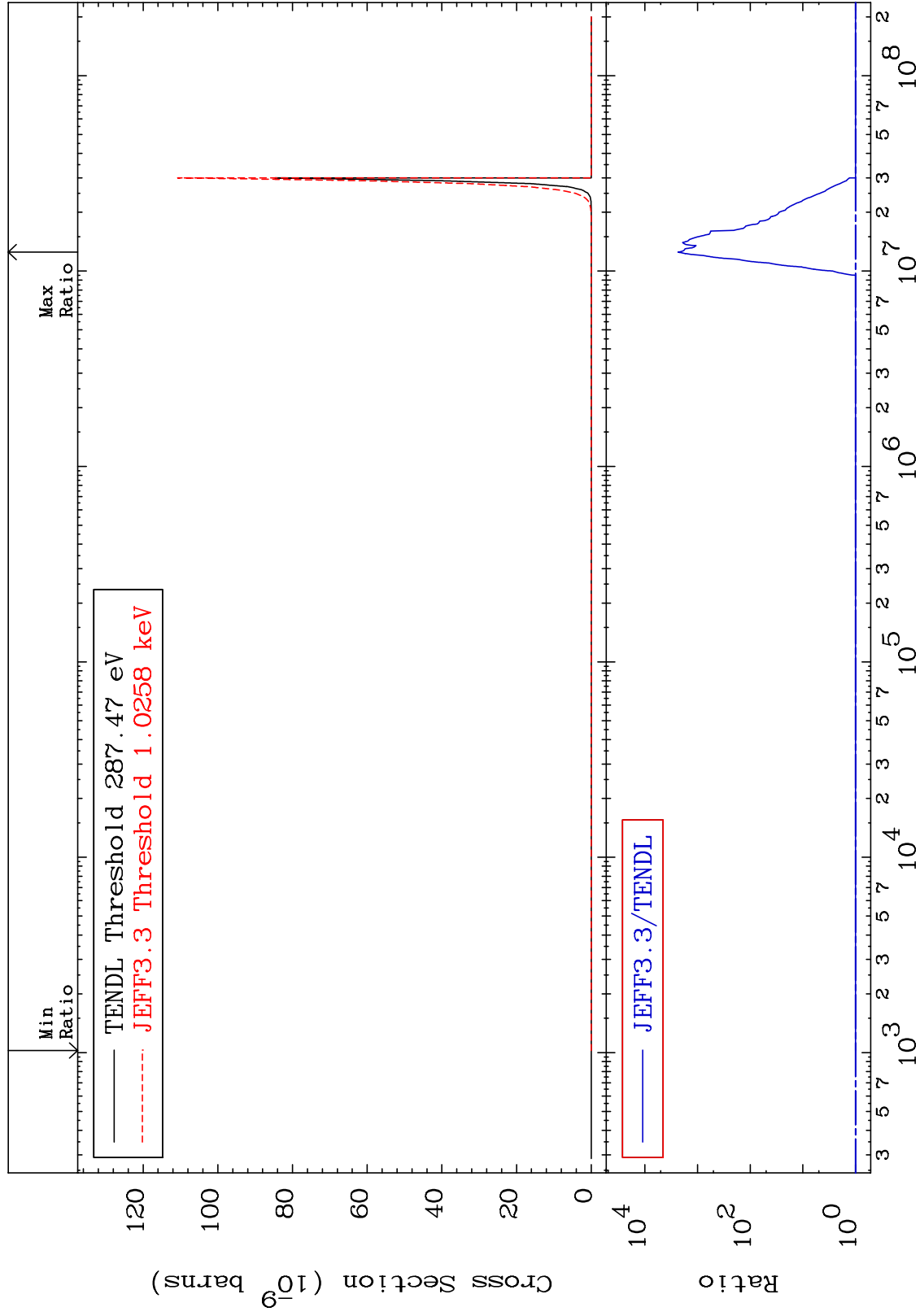
66-Dy-158

MAT 6631

(n, n') 2α

Cross Section

66-Dy-158
To 9999. %



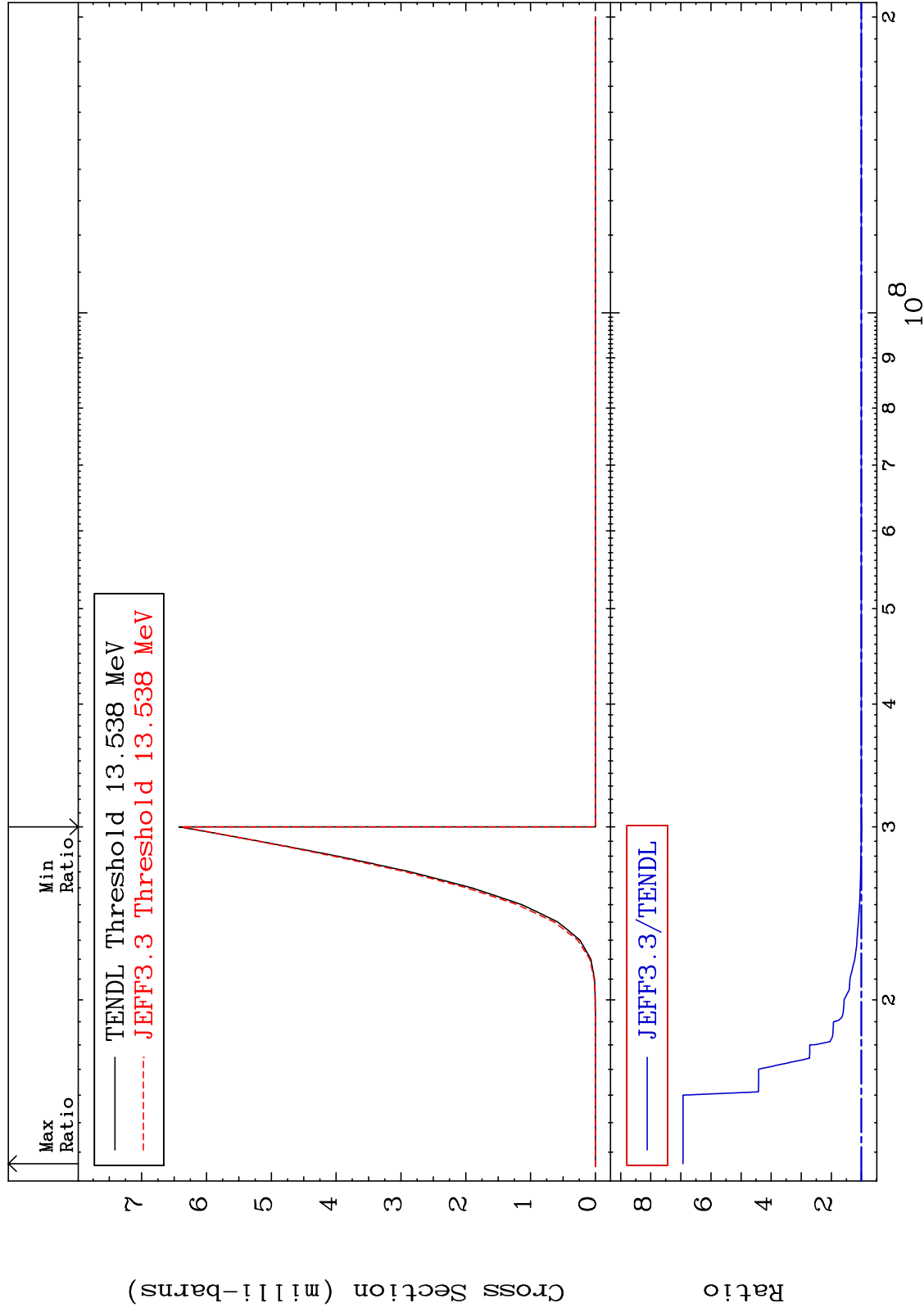
MAT 6631

(n, n') d

66-Dy-158

Cross Section

-0.600 To 593.3 %



12

Incident Energy (eV)

66-Dy-158

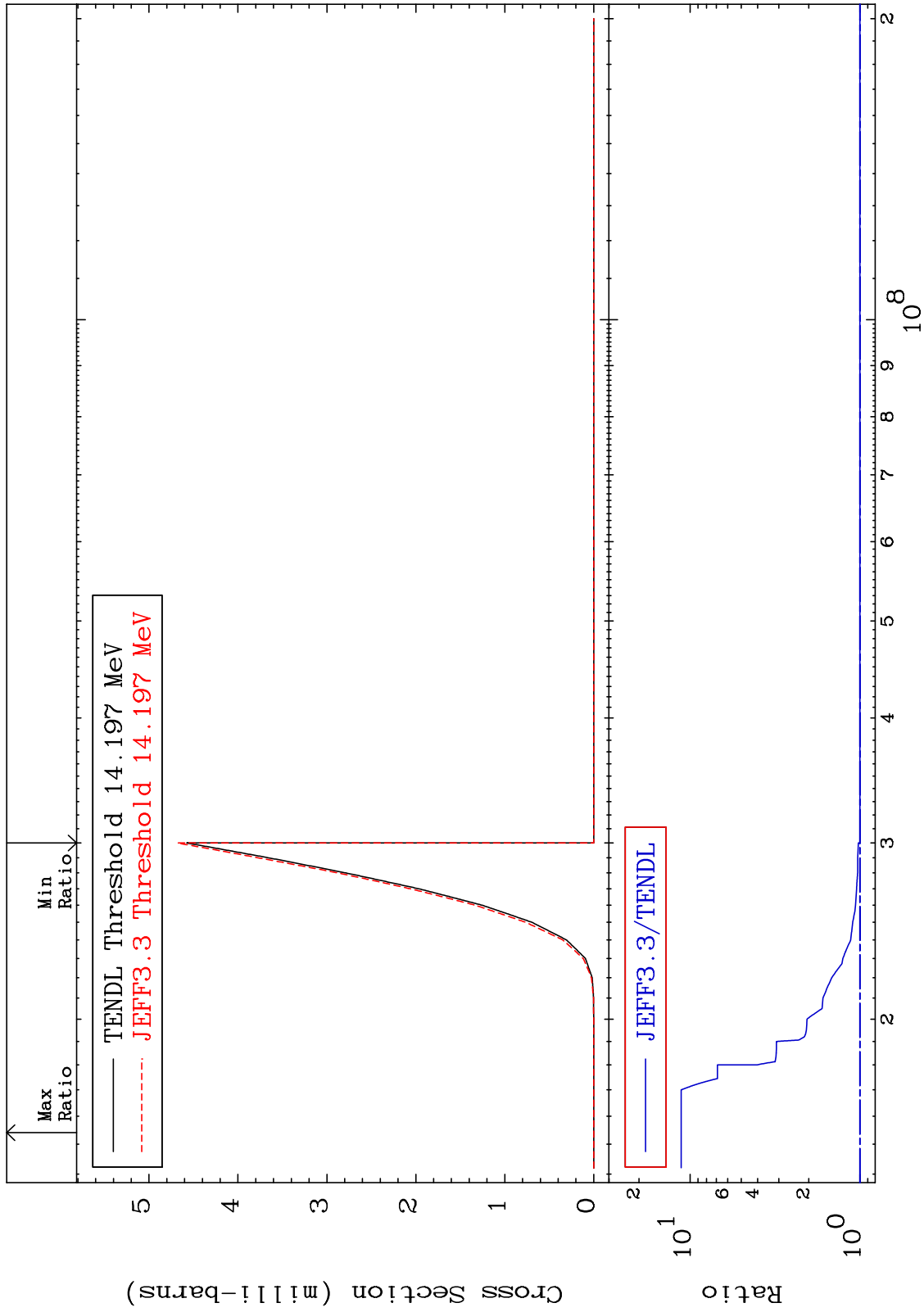
MAT 6631

(n,n') t

66-Dy-158

Cross Section

0.000 To 1028. %



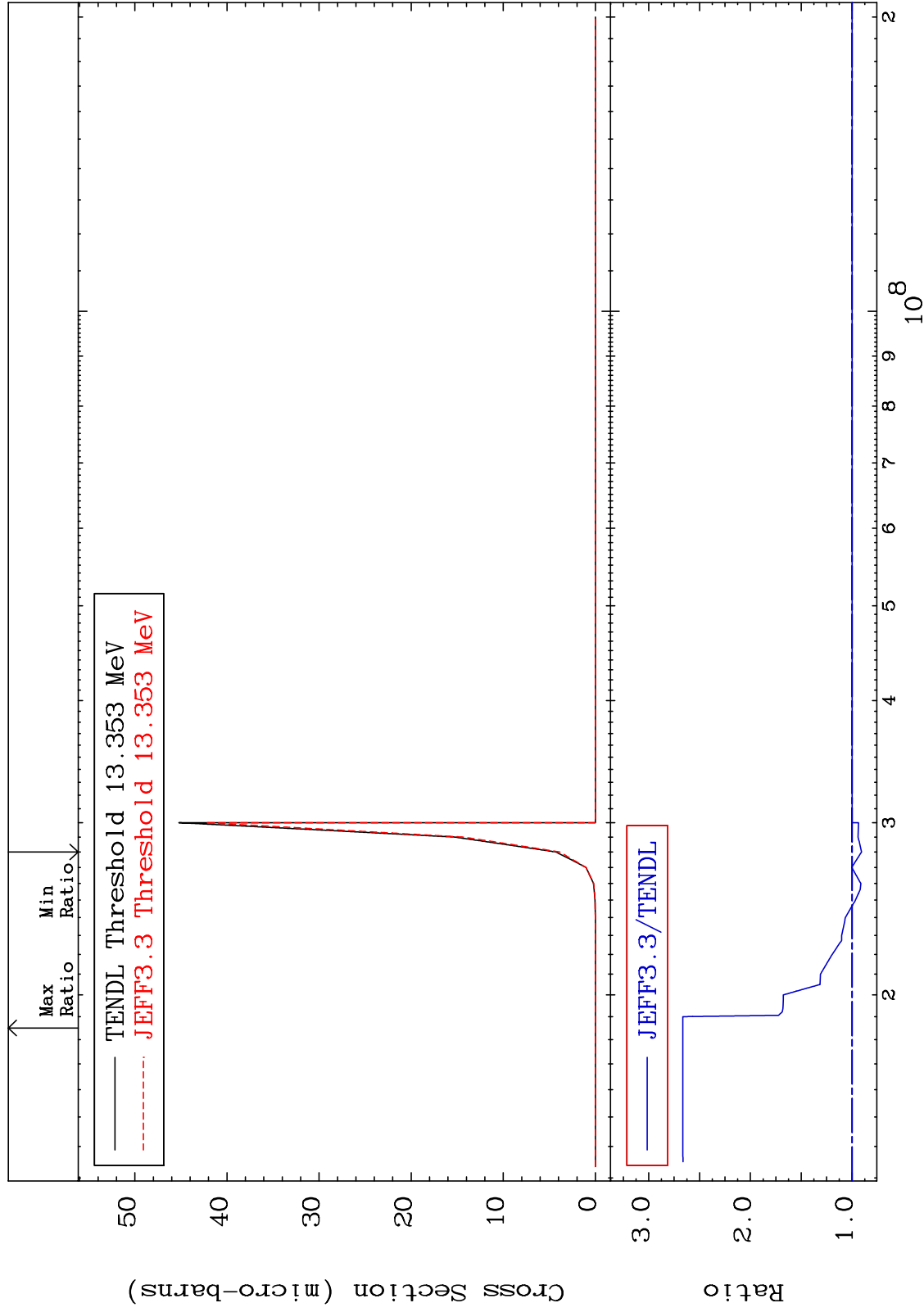
Max Ratio
Min Ratio
TENDL Threshold 14.197 MeV
JEFF3.3 Threshold 14.197 MeV

JEFF3.3/TENDL

MAT 6631

(n, n') He-3
Cross Section

66-Dy-158
-9.377 To 166.4 %



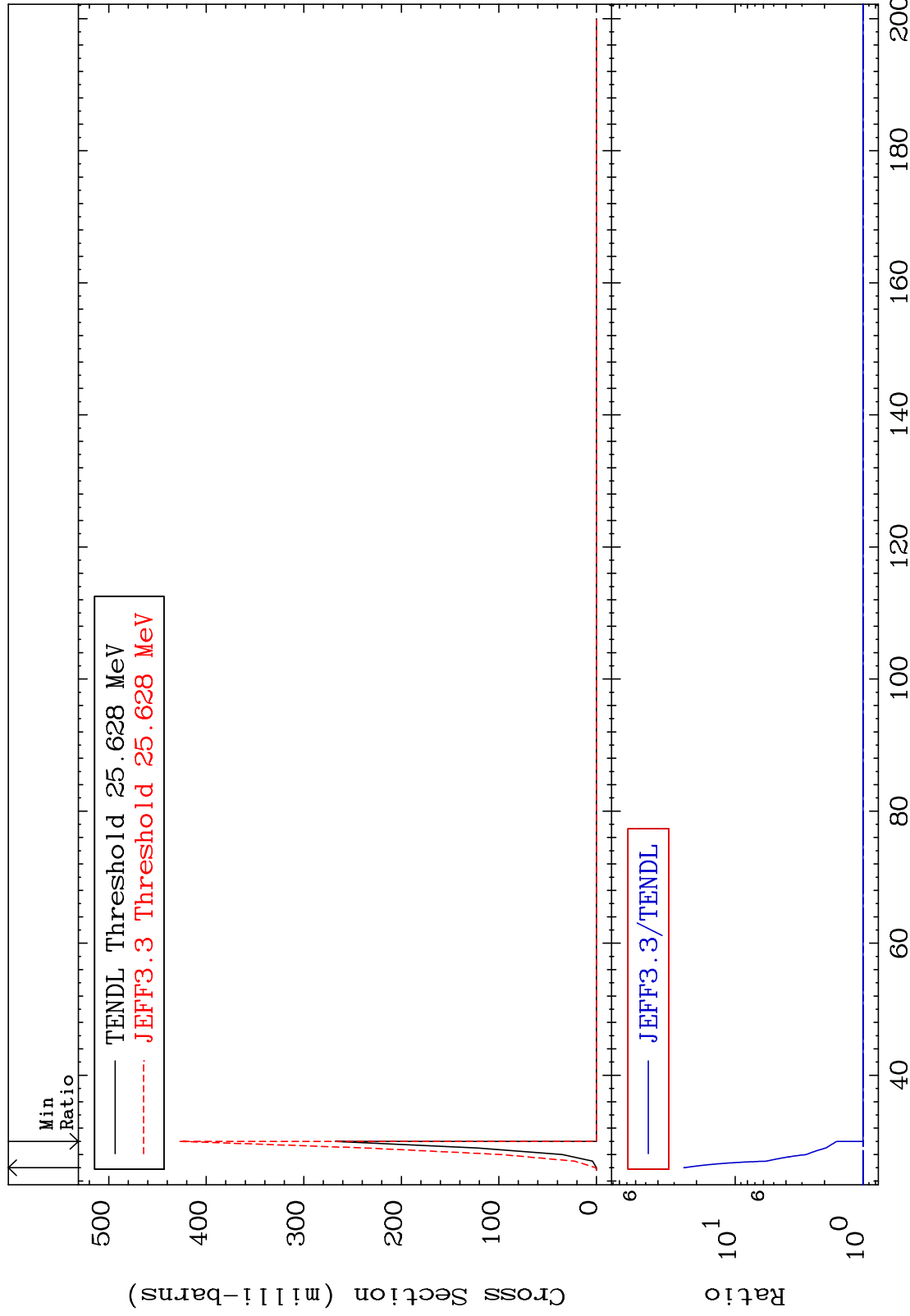
MAT 6631

(n, 4n)

66-Dy-158

Cross Section

0.000 To 2405. %



15

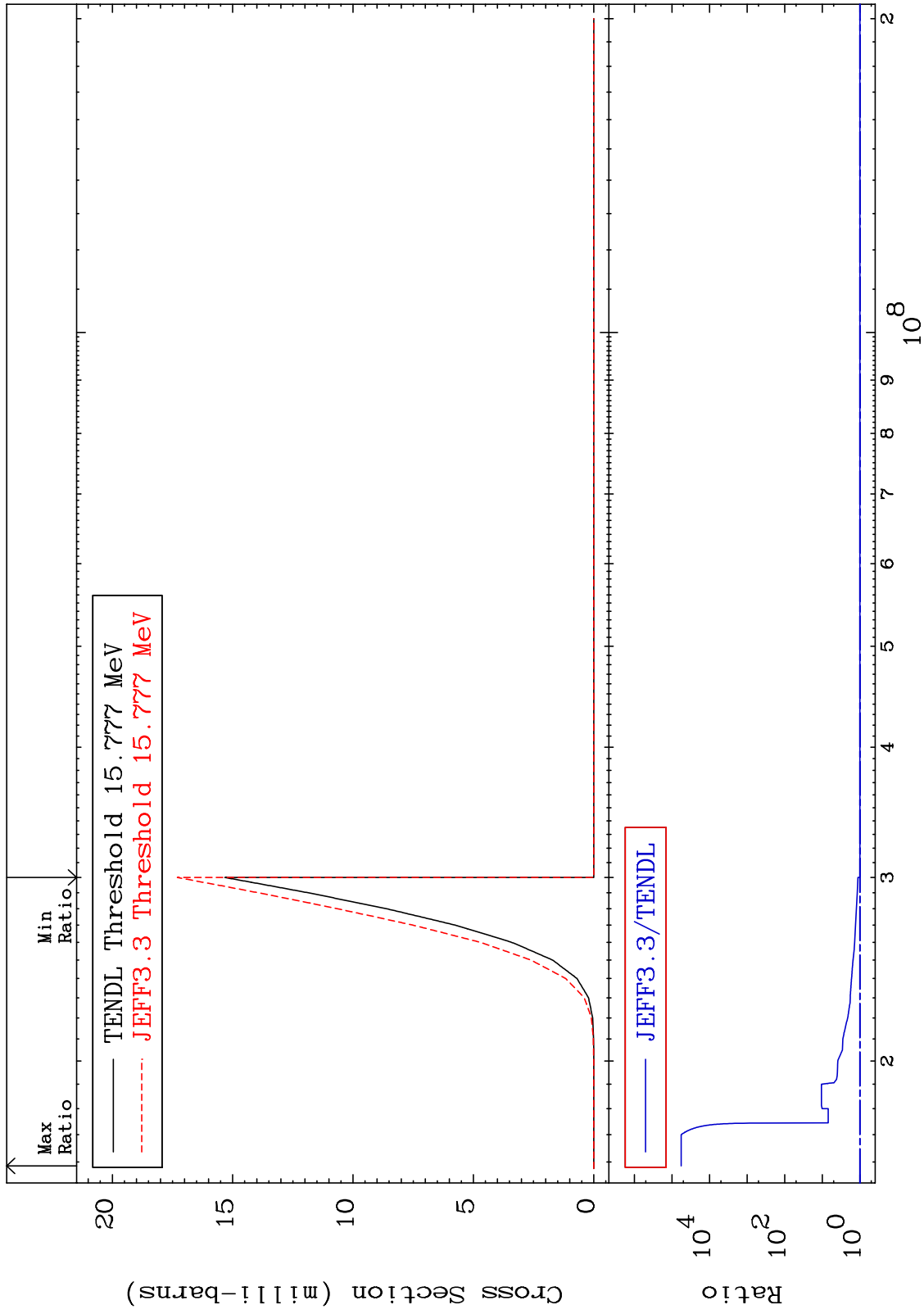
Incident Energy (MeV)

66-Dy-158

MAT 6631

(n,2n) p
Cross Section

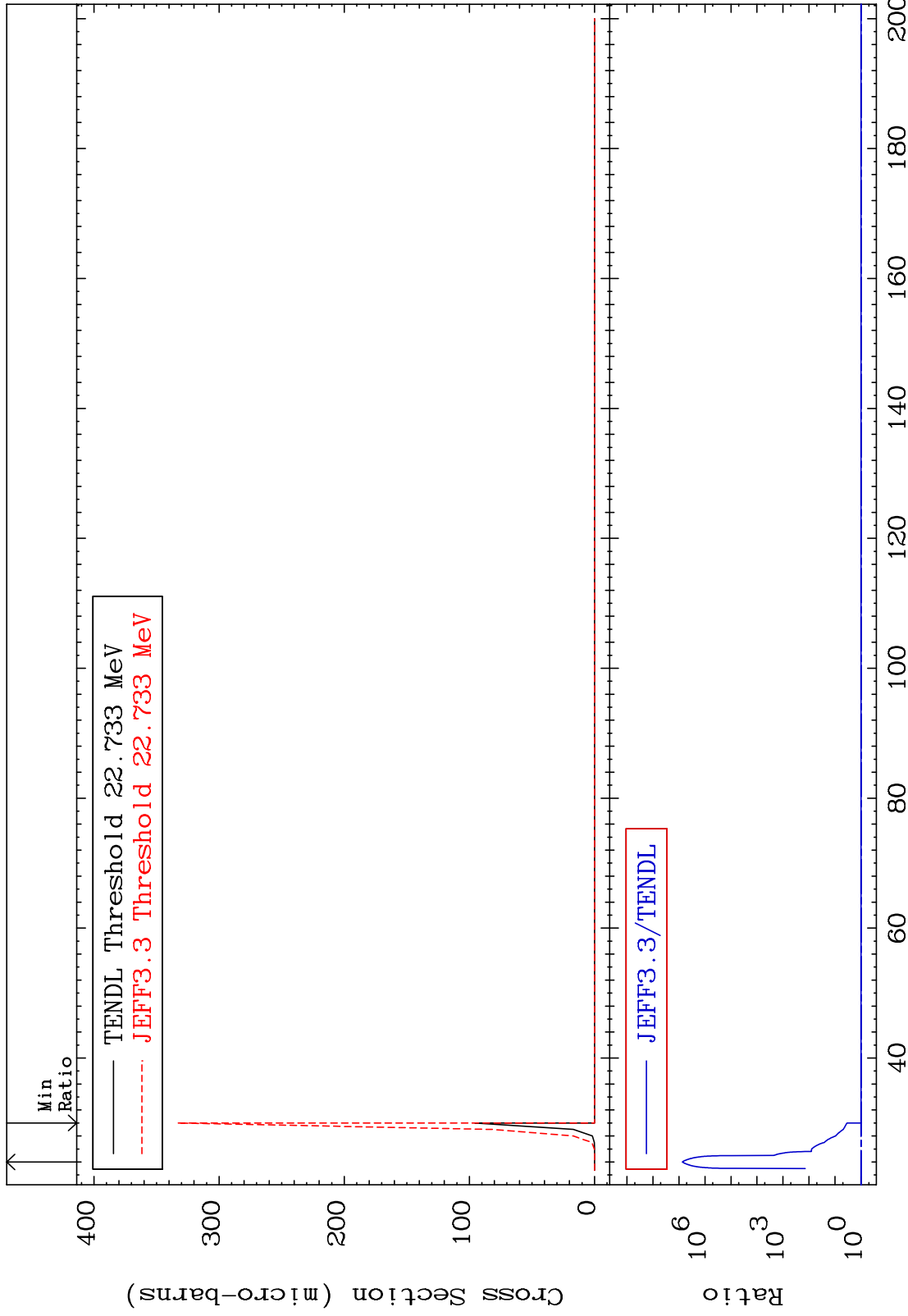
66-Dy-158
0.000 To 9999. %



MAT 6631

(n, 3n) p
Cross Section

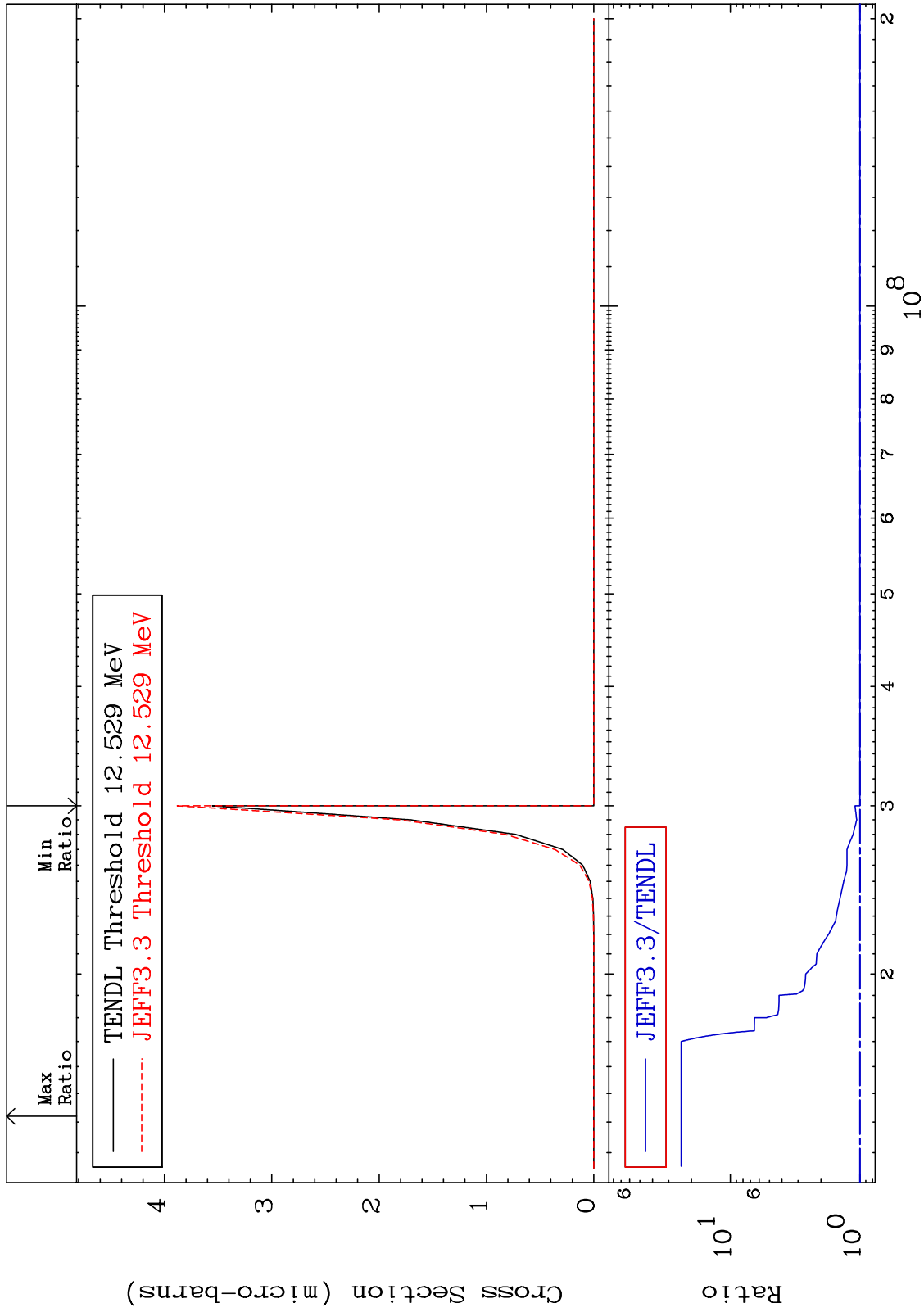
66-Dy-158
0.000 To 9999. %



MAT 6631

(n,2n) p
Cross Section

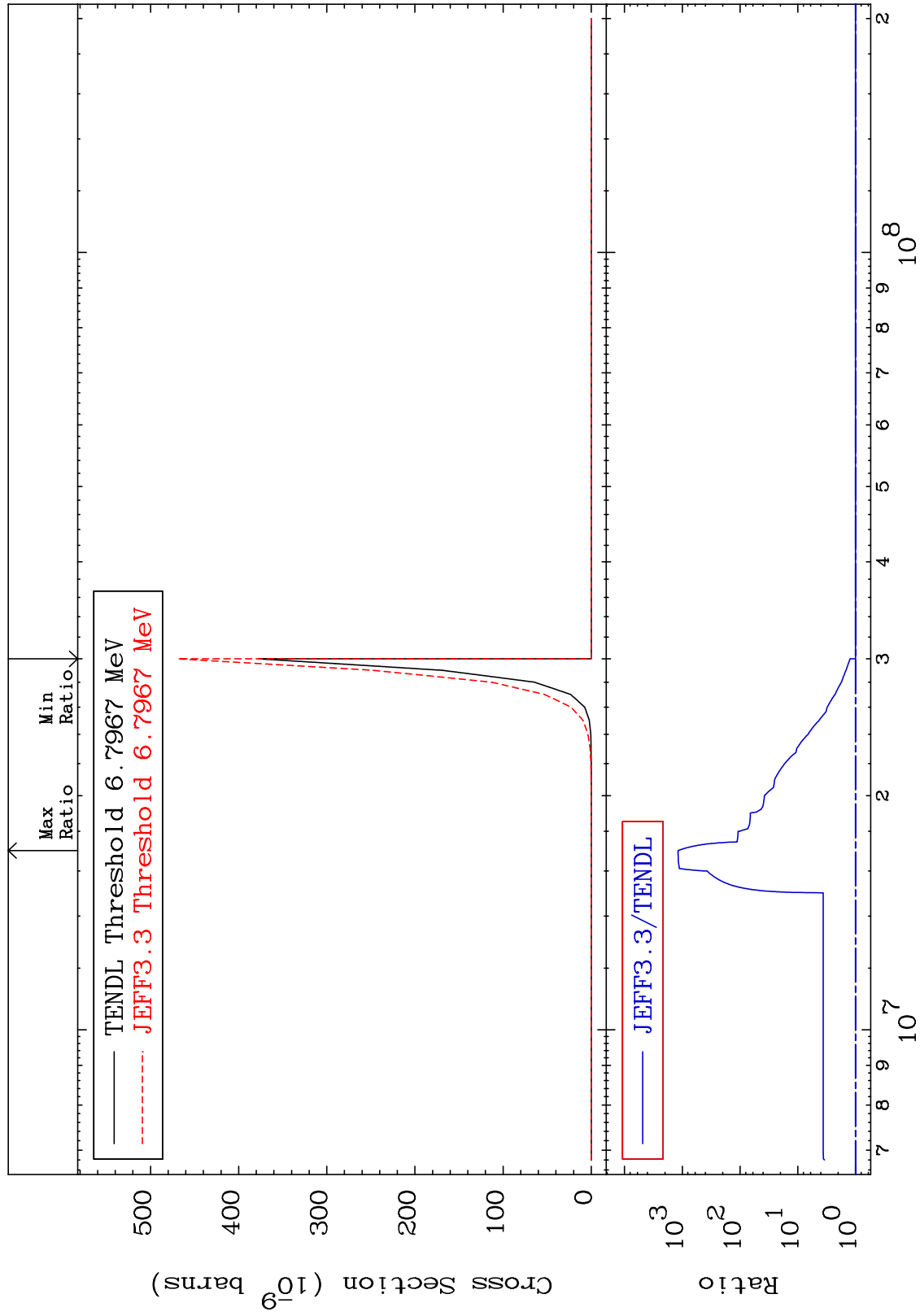
66-Dy-158
0.000 To 2298. %



MAT 6631

(n,n') p α
Cross Section

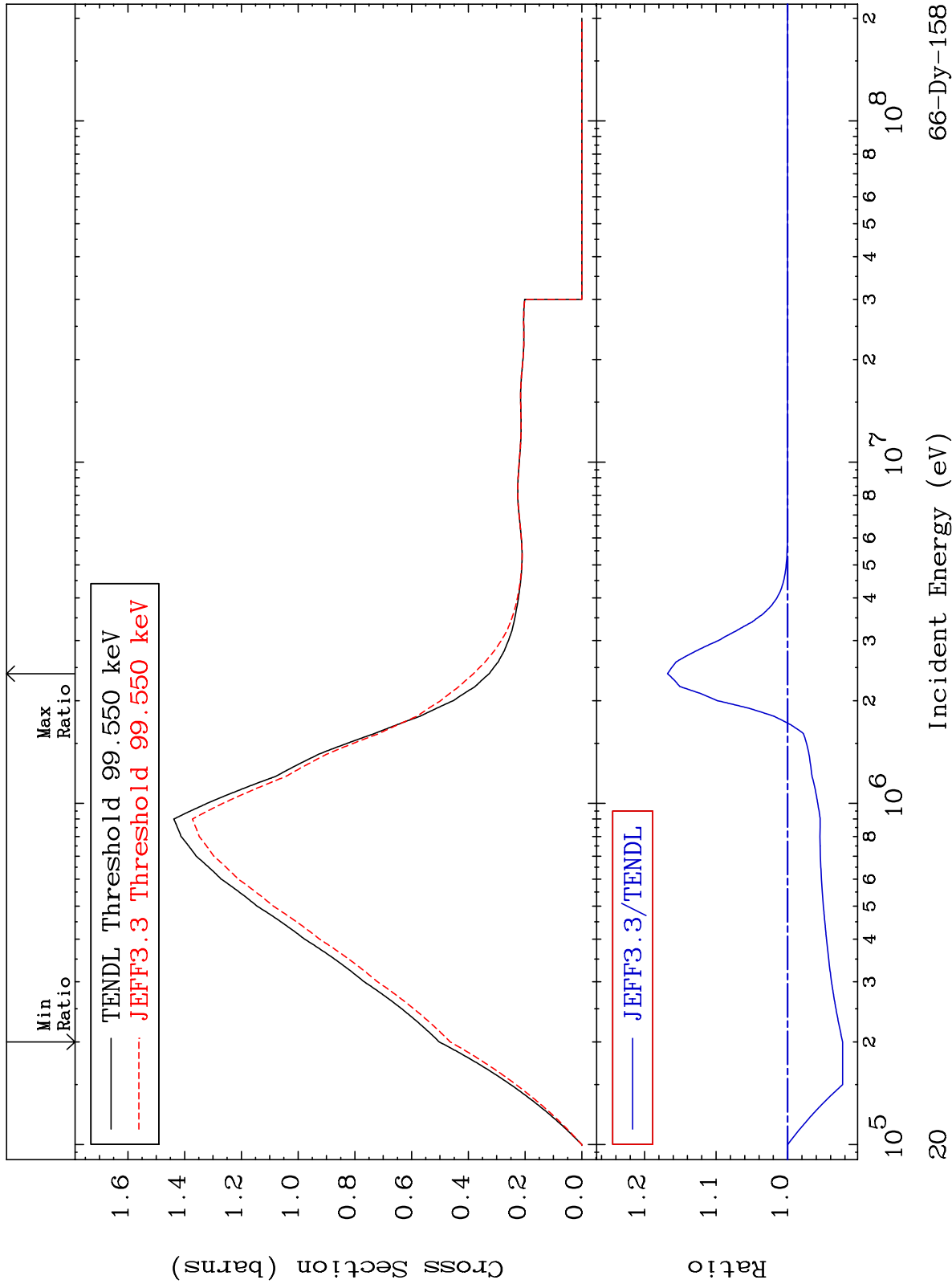
66-Dy-158
To 9999. %
0.000



MAT 6631

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

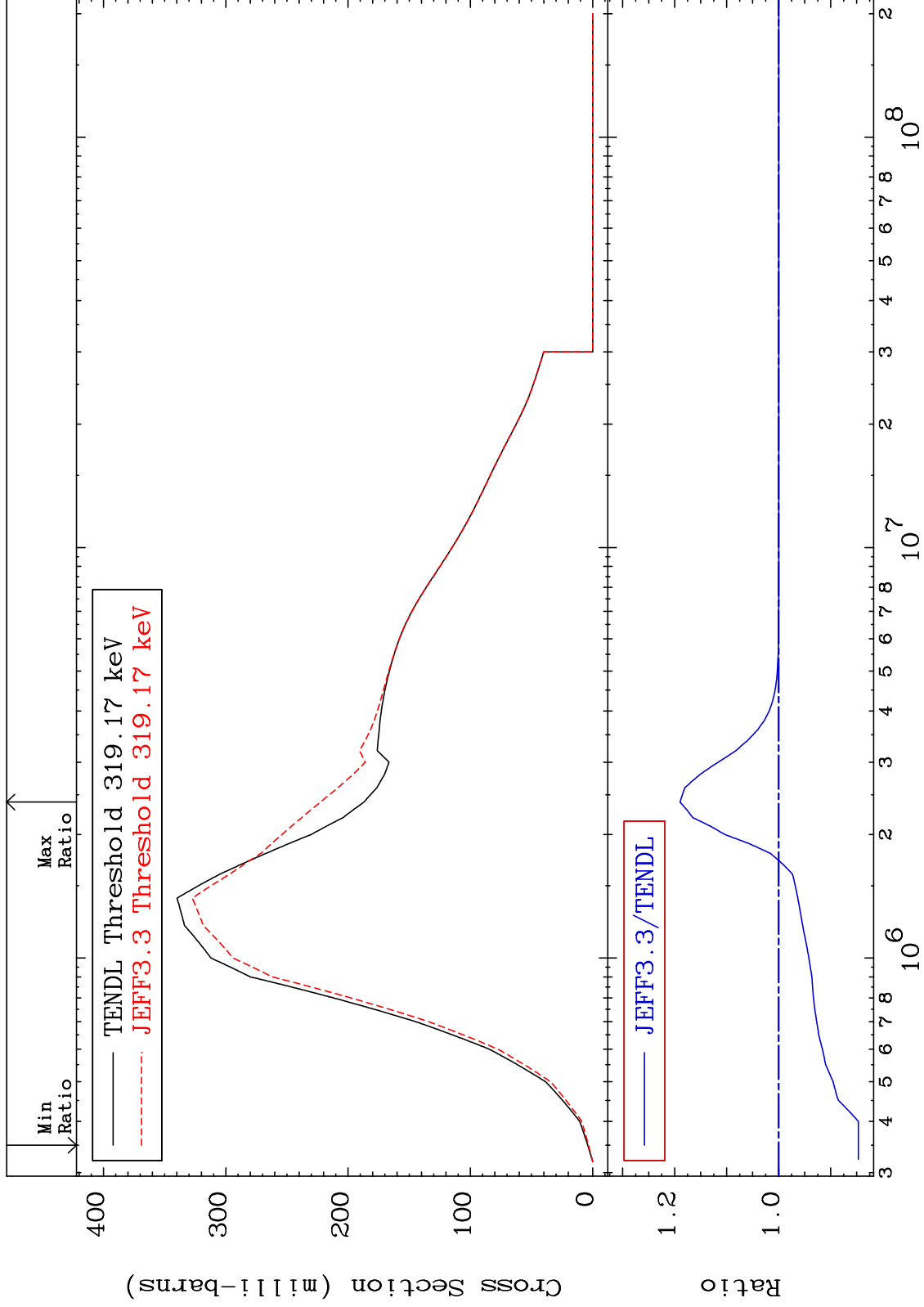
66-Dy-158
-7.688 To 16.79 %



MAT 6631

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

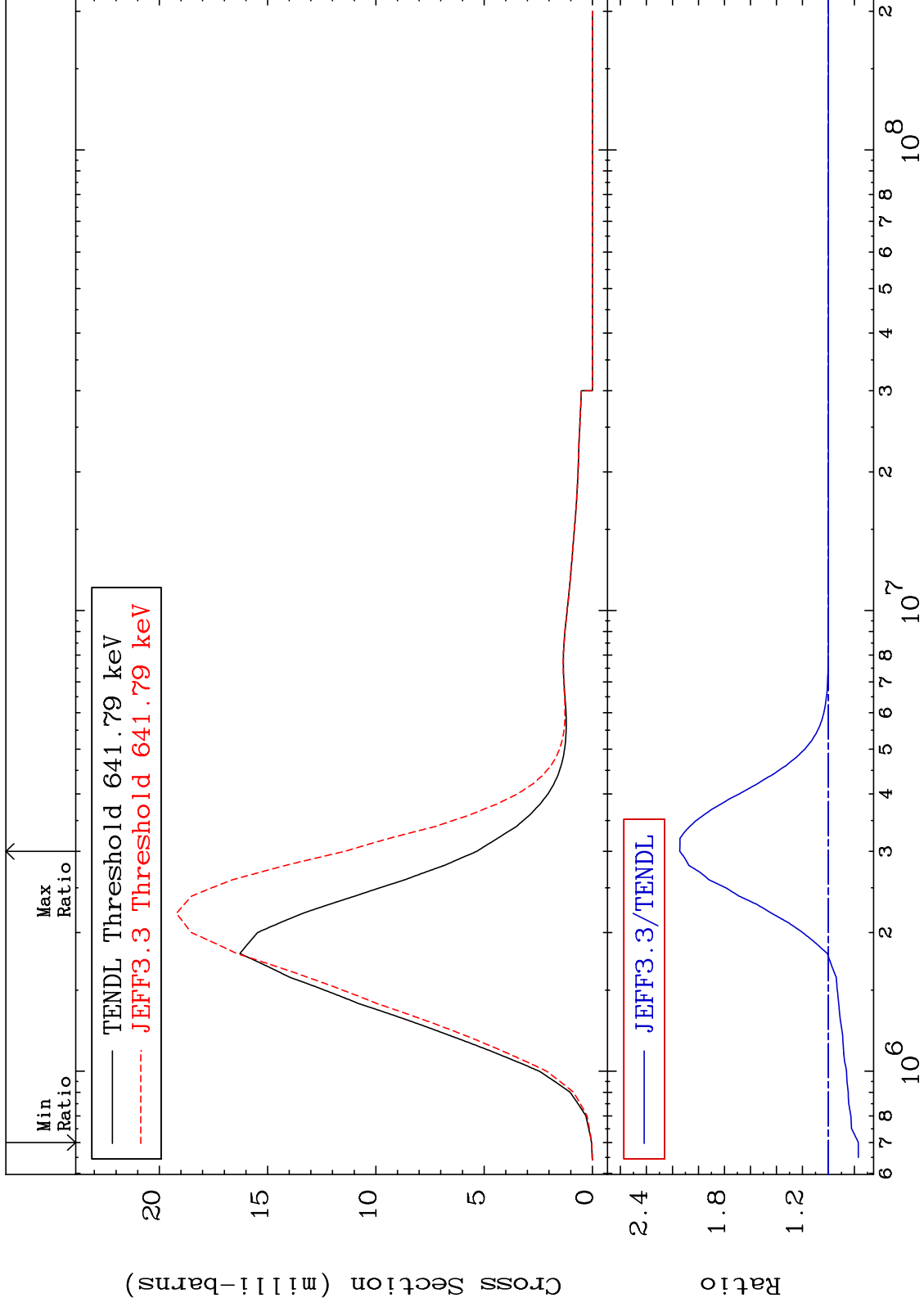
66-Dy-158
-15.33 To 18.97 %



MAT 6631

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

66-Dy-158
-22.99 To 114.3 %



22

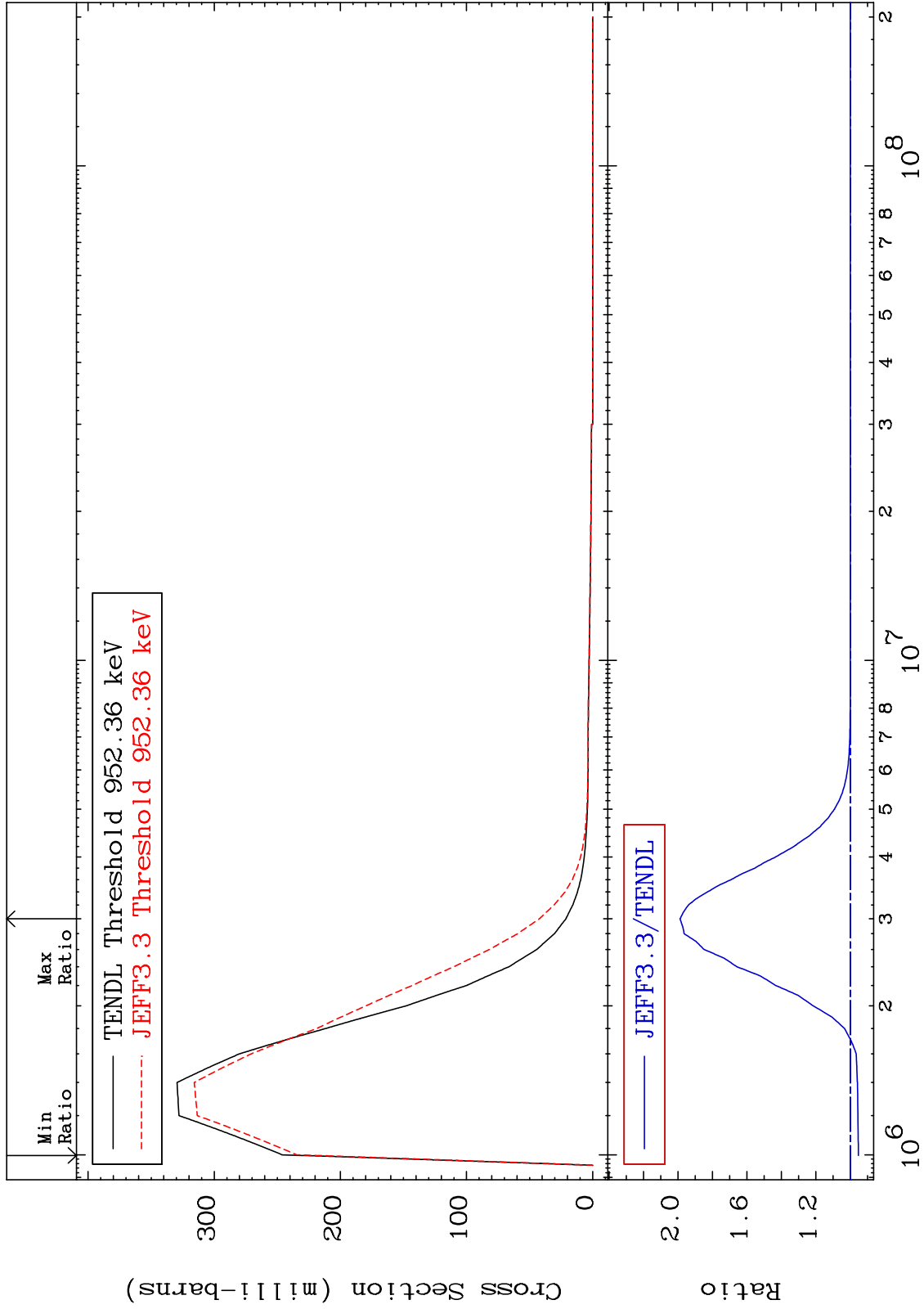
Incident Energy (eV)

66-Dy-158

MAT 6631

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

66-Dy-158
-4.703 To 98.82 %



23

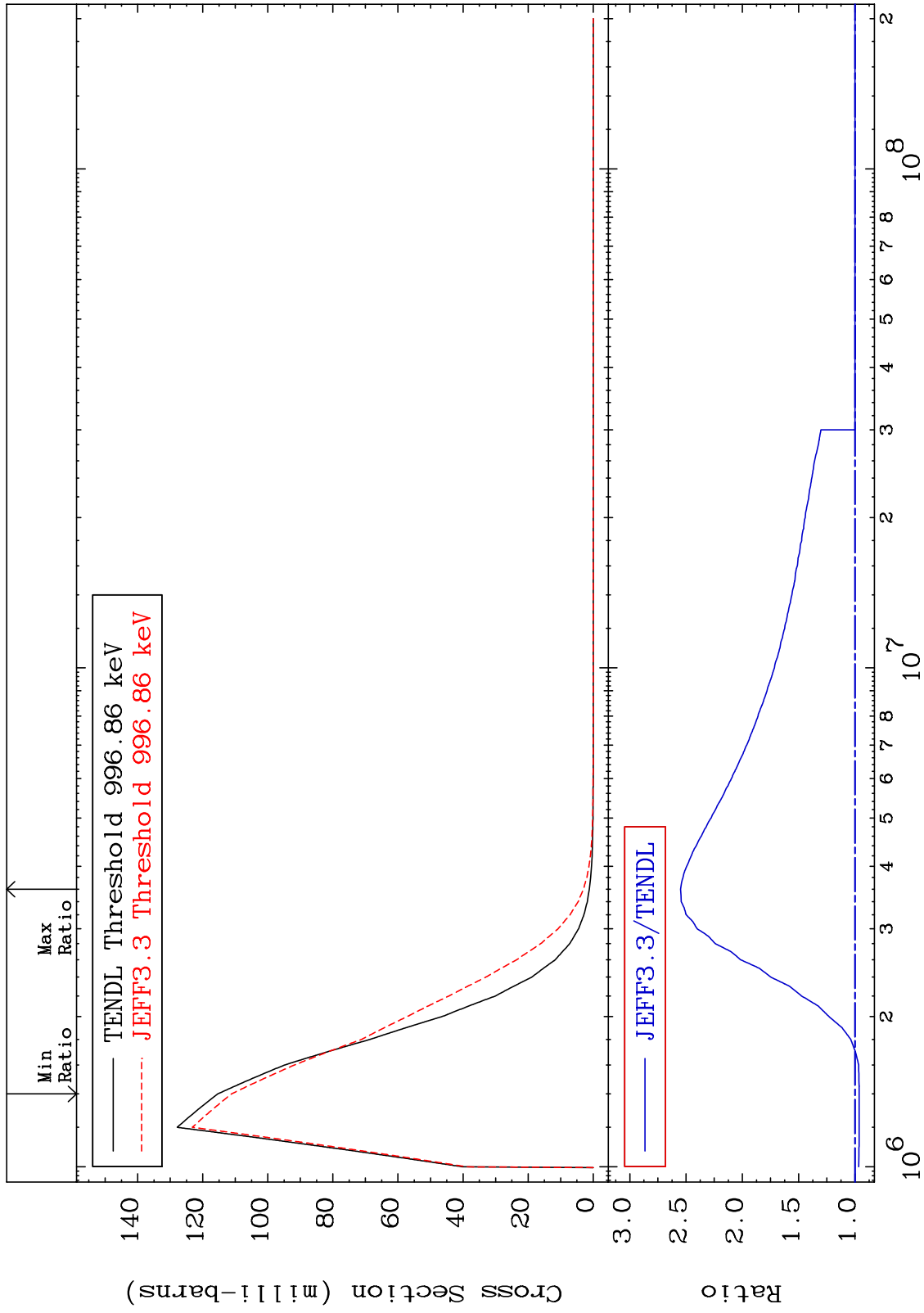
Incident Energy (eV)

66-Dy-158

MAT 6631

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

66-Dy-158
-3.667 To 154.9 %



24

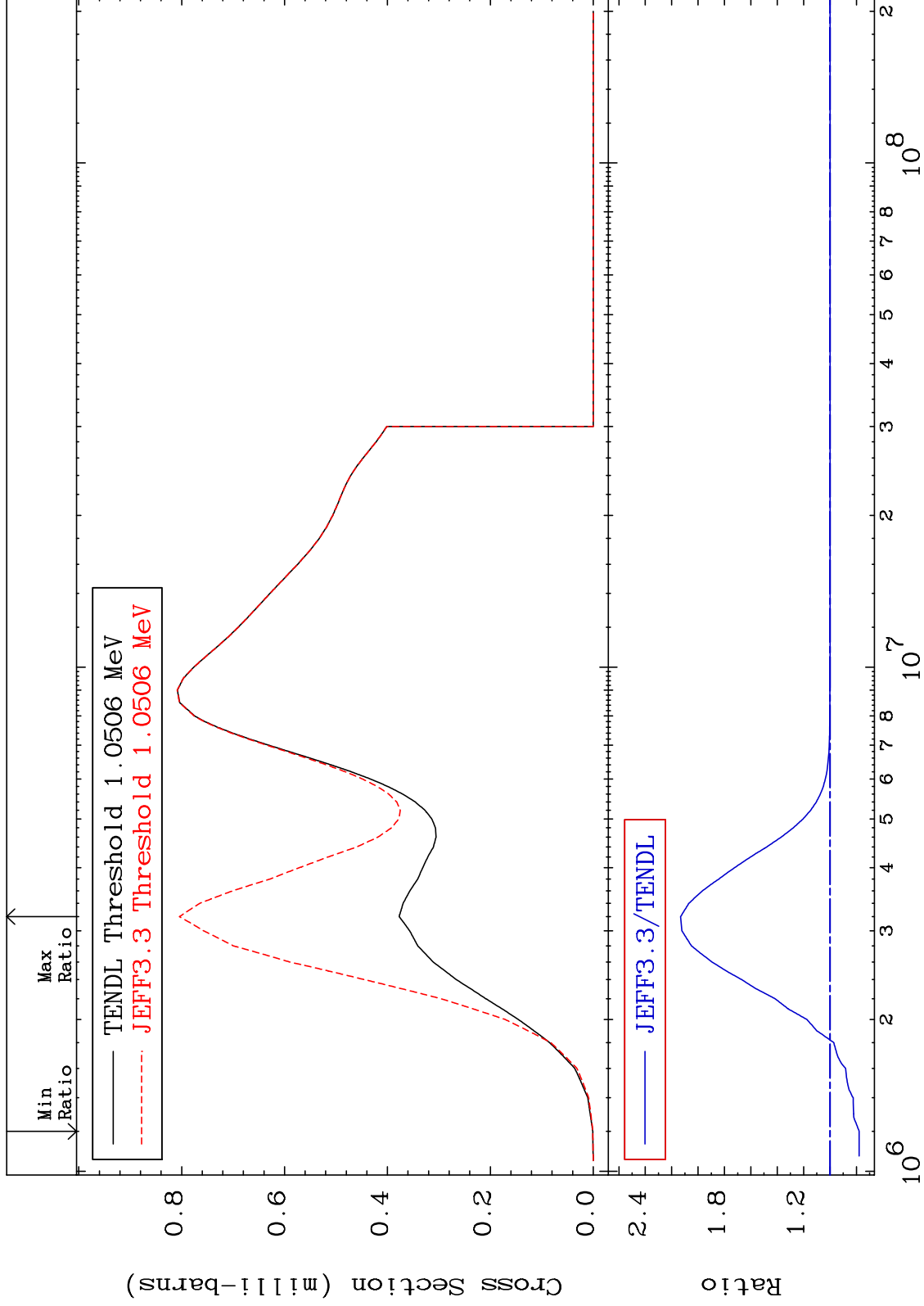
Incident Energy (eV)

66-Dy-158

MAT 6631

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

66-Dy-158
-22.09 To 113.2 %



25

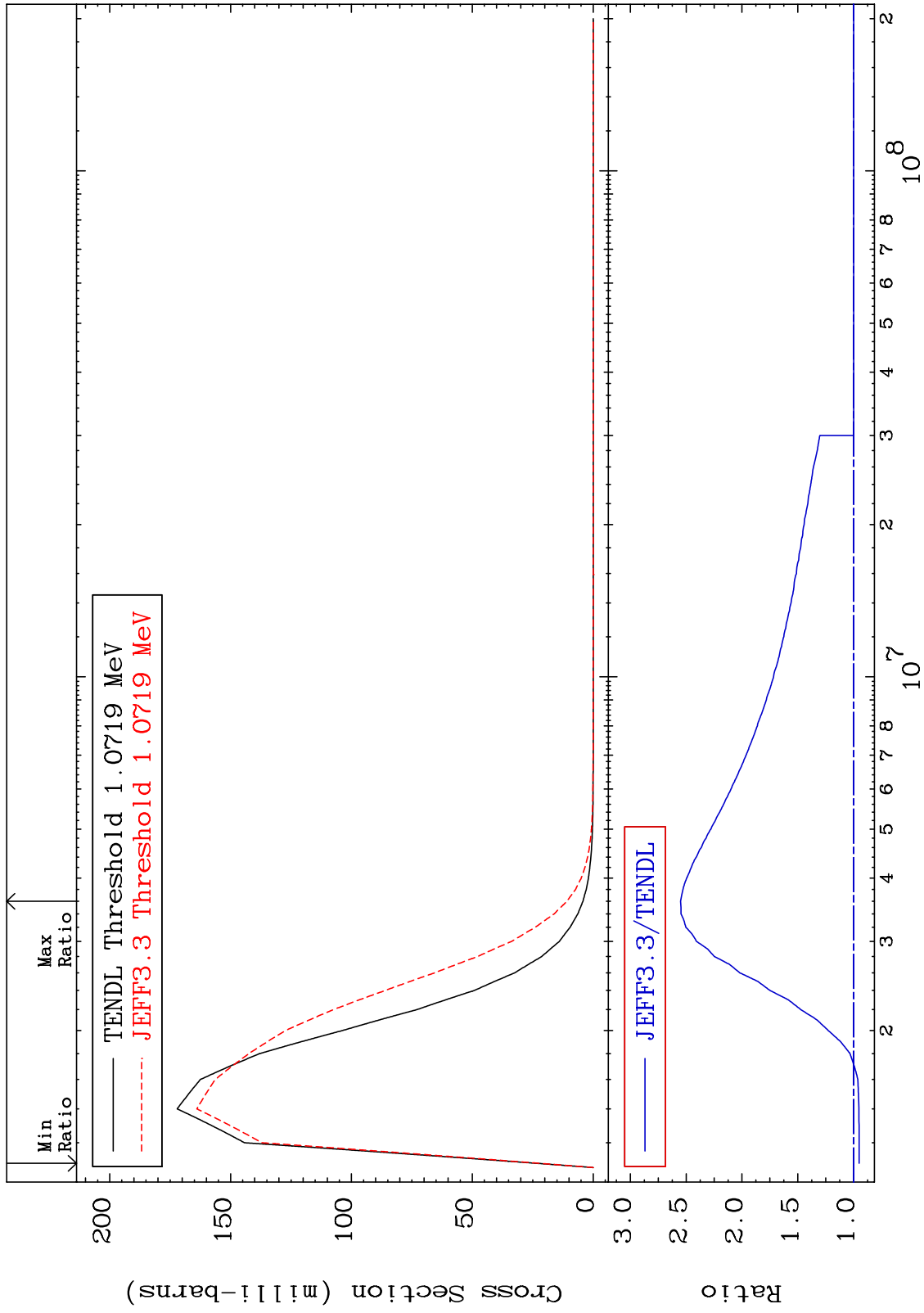
Incident Energy (eV)

66-Dy-158

MAT 6631

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

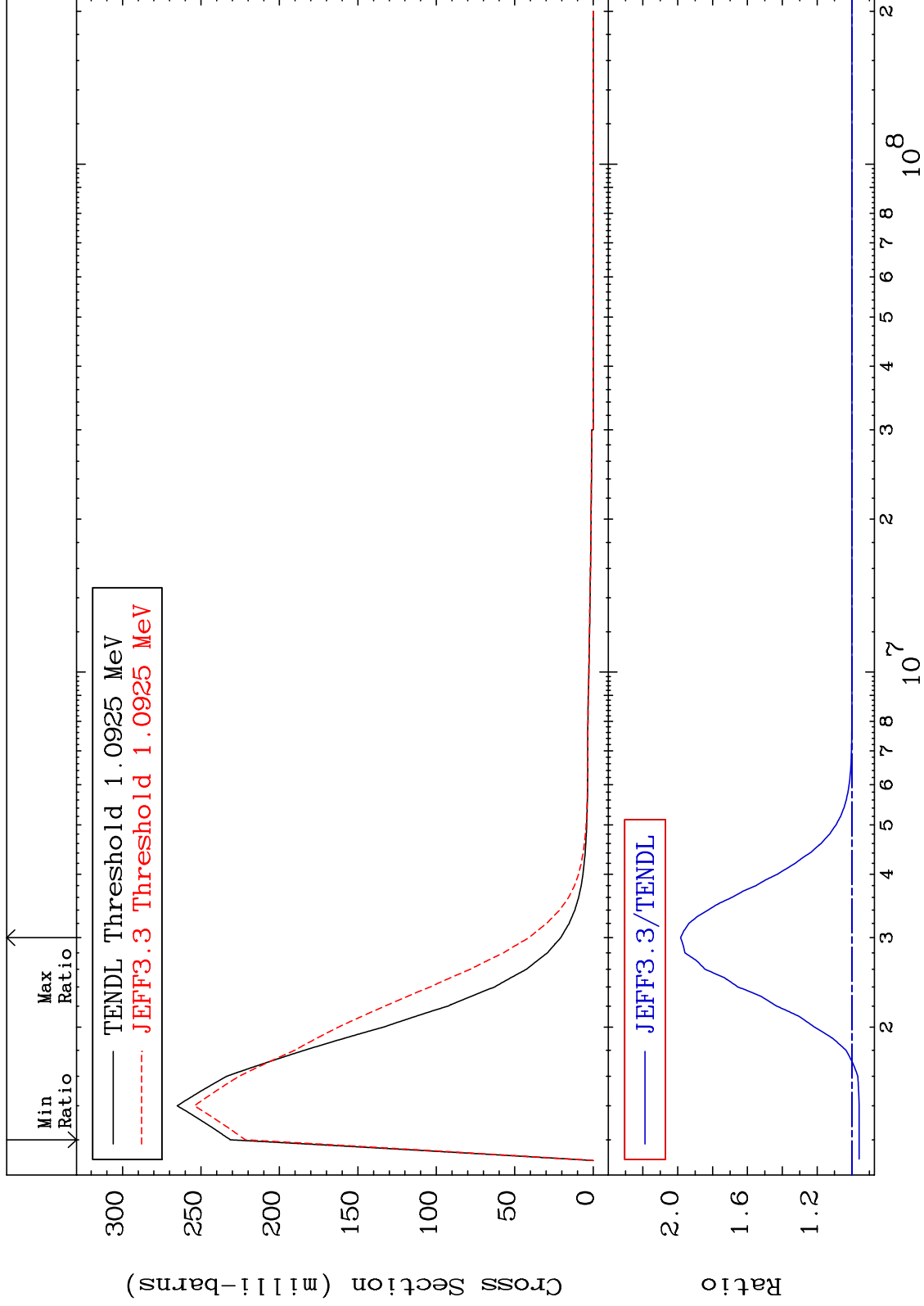
66-Dy-158
-4.975 To 155.0 %



MAT 6631

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

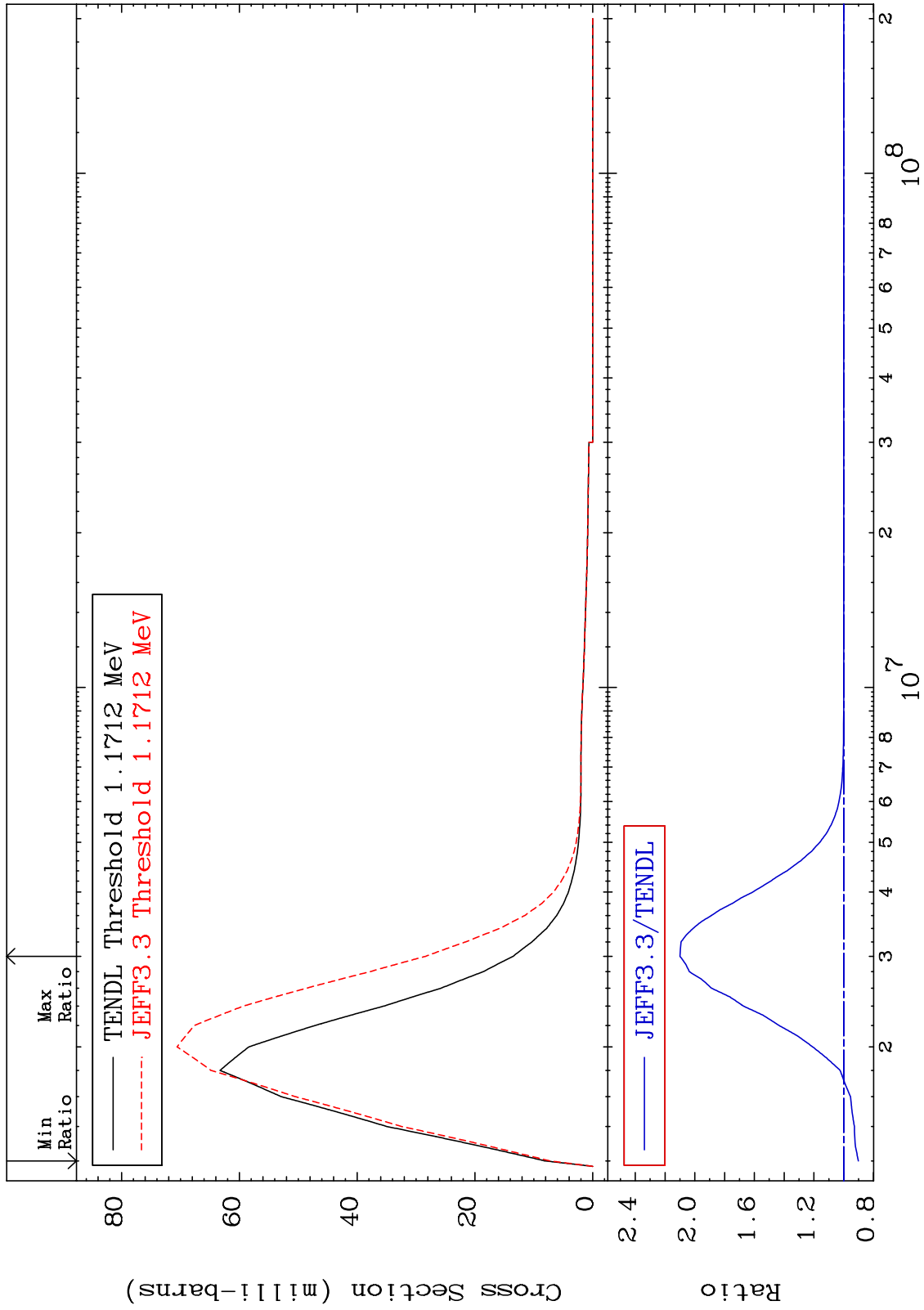
66-Dy-158
-4.134 To 98.34 %



MAT 6631

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

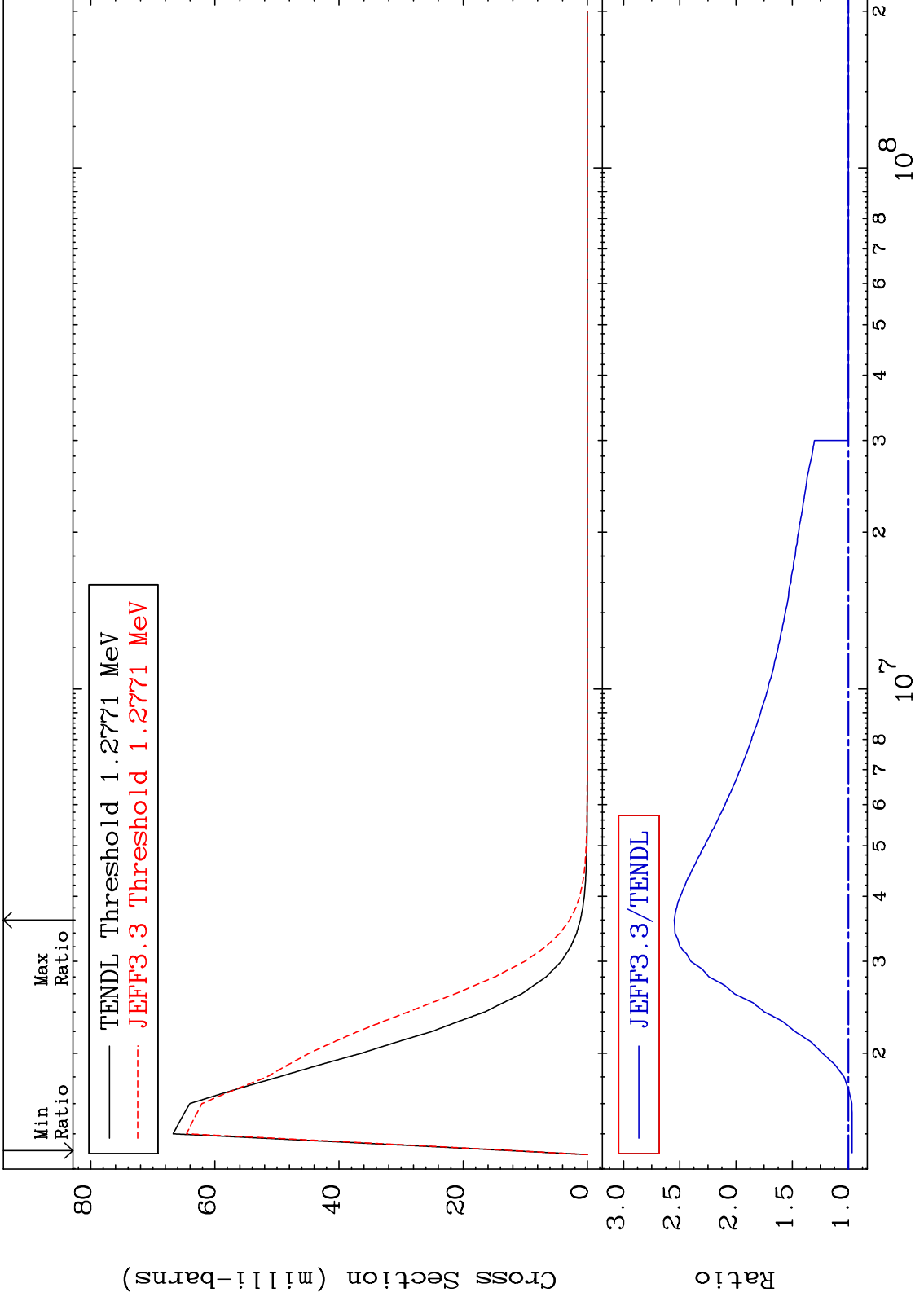
66-Dy-158
-9.872 To 109.9 %



MAT 6631

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

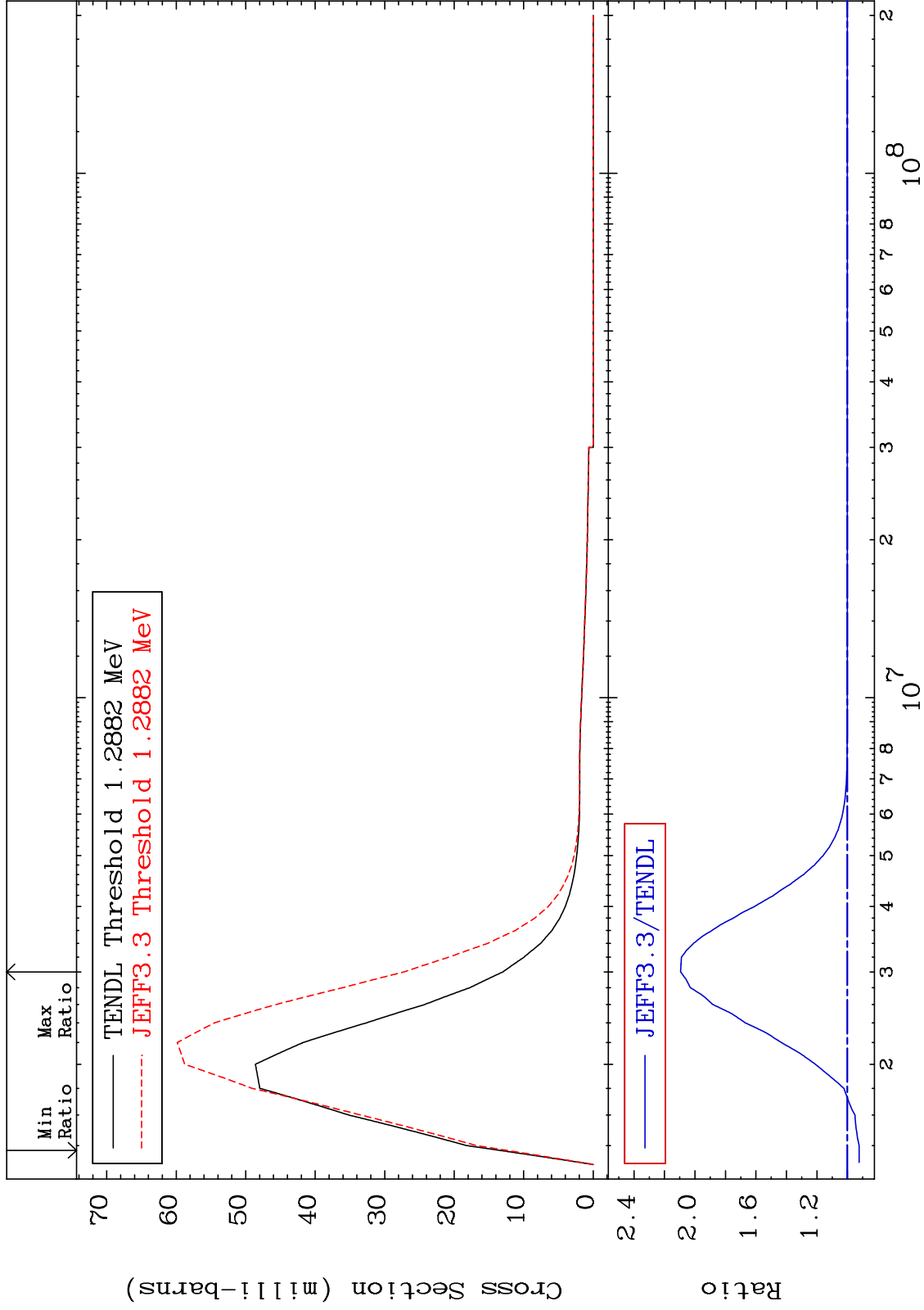
66-Dy-158
-3.237 To 154.8 %



MAT 6631

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

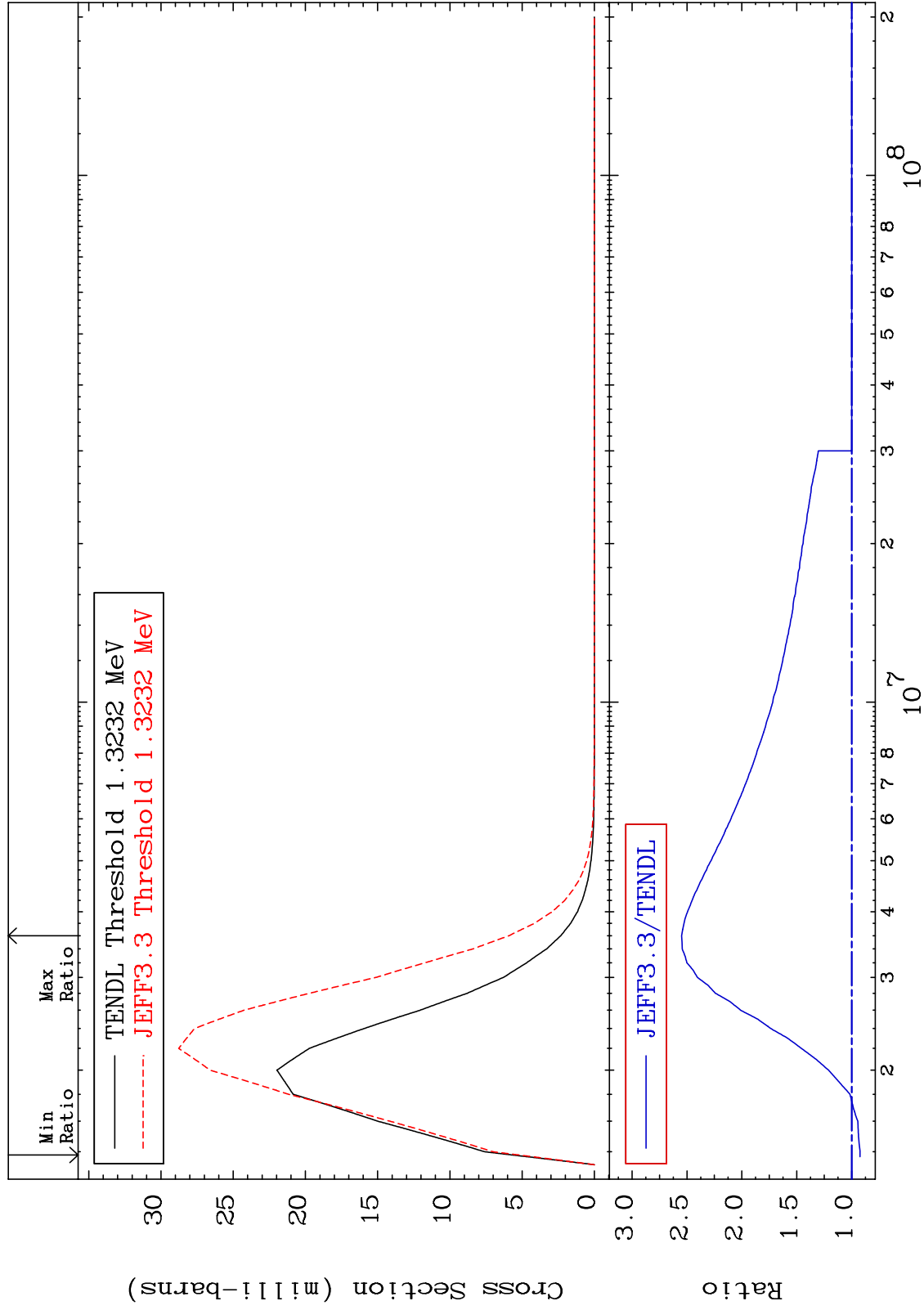
66-Dy-158
-7.711 To 109.4 %



MAT 6631

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

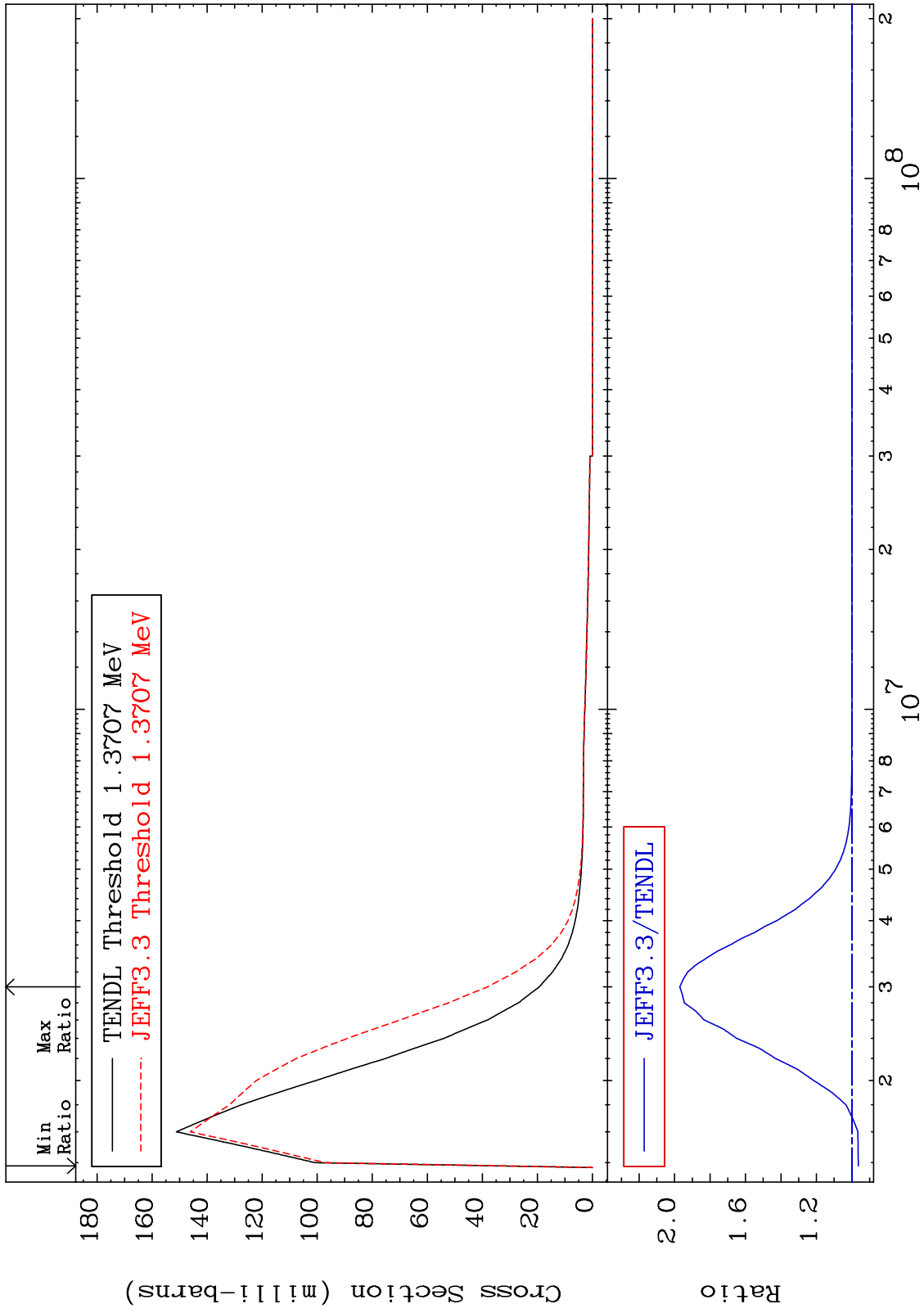
66-Dy-158
-7.666 To 154.8 %



MAT 6631

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

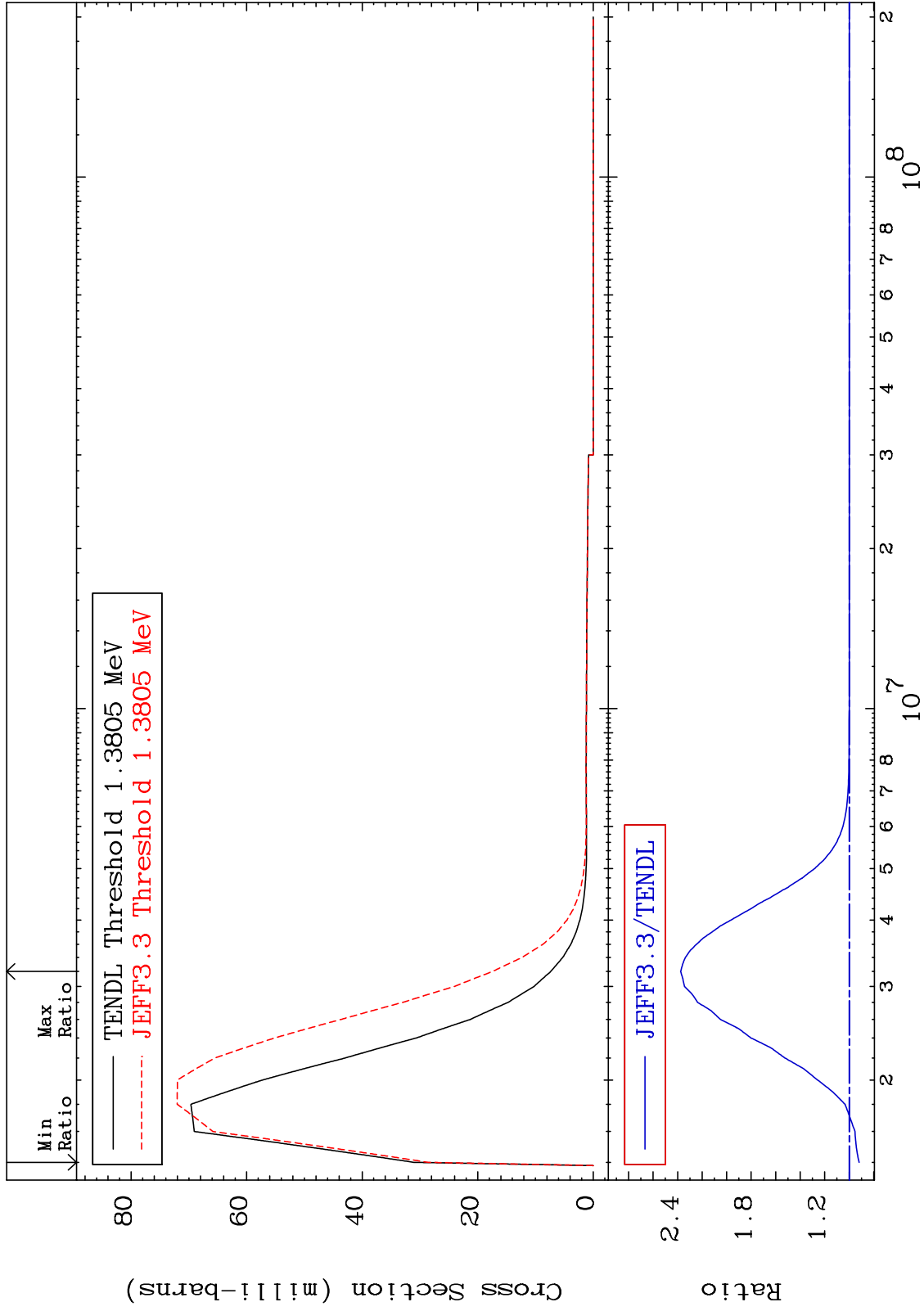
66-Dy-158
-3.633 To 97.04 %



MAT 6631

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

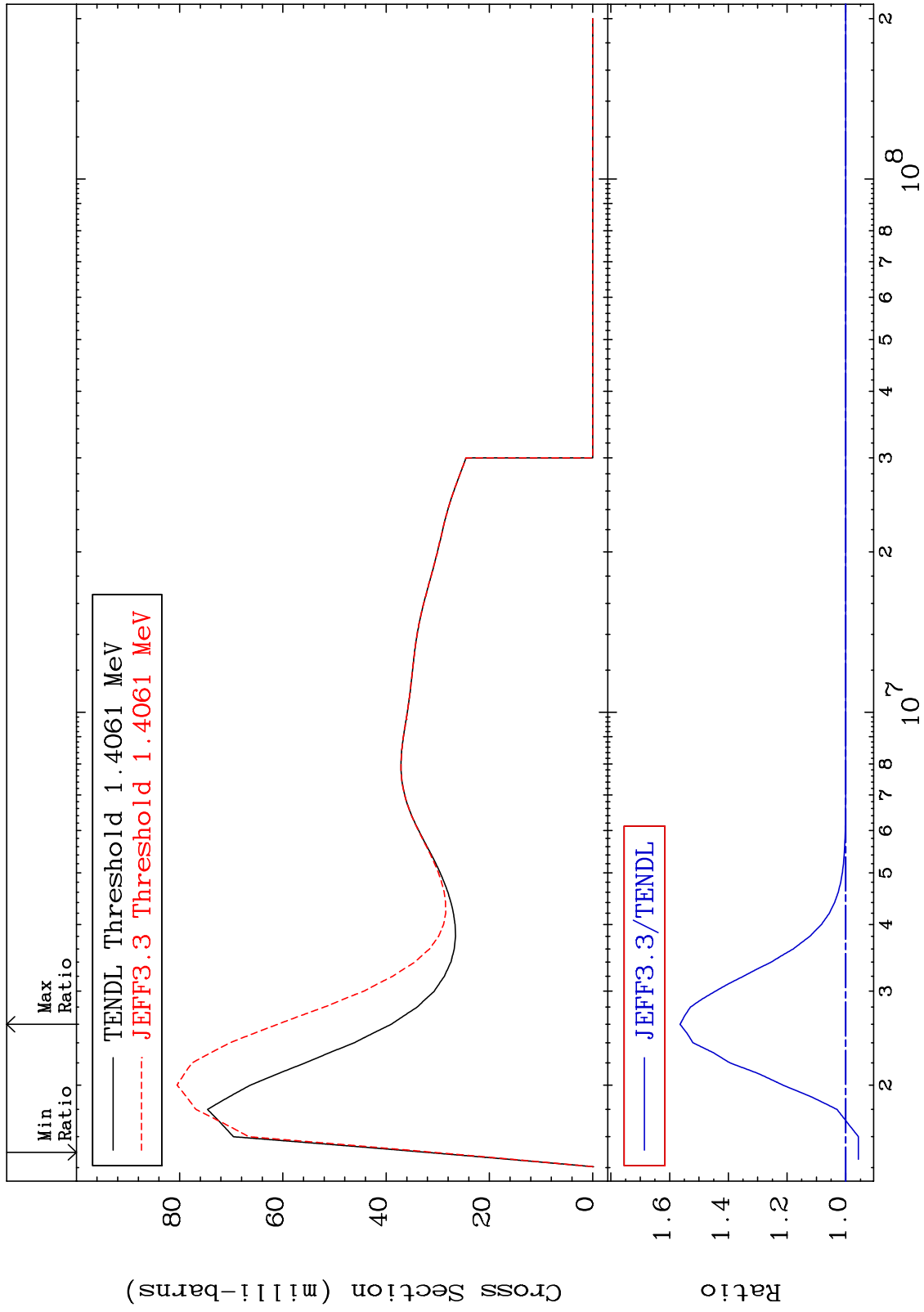
66-Dy-158
-8.130 To 137.6 %



MAT 6631

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

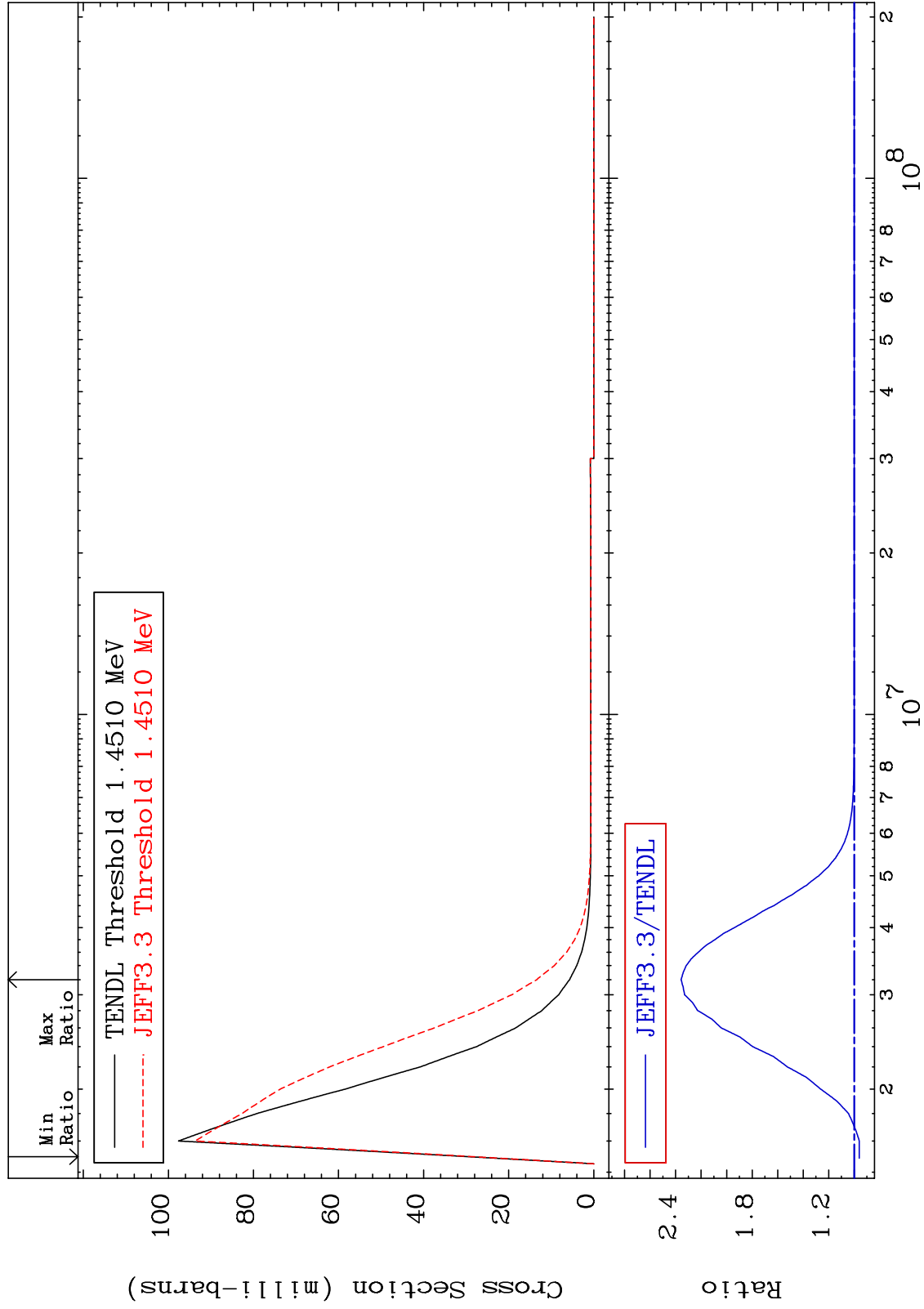
66-Dy-158
-4.306 To 56.46 %



MAT 6631

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

66-Dy-158
-4.006 To 135.8 %



35

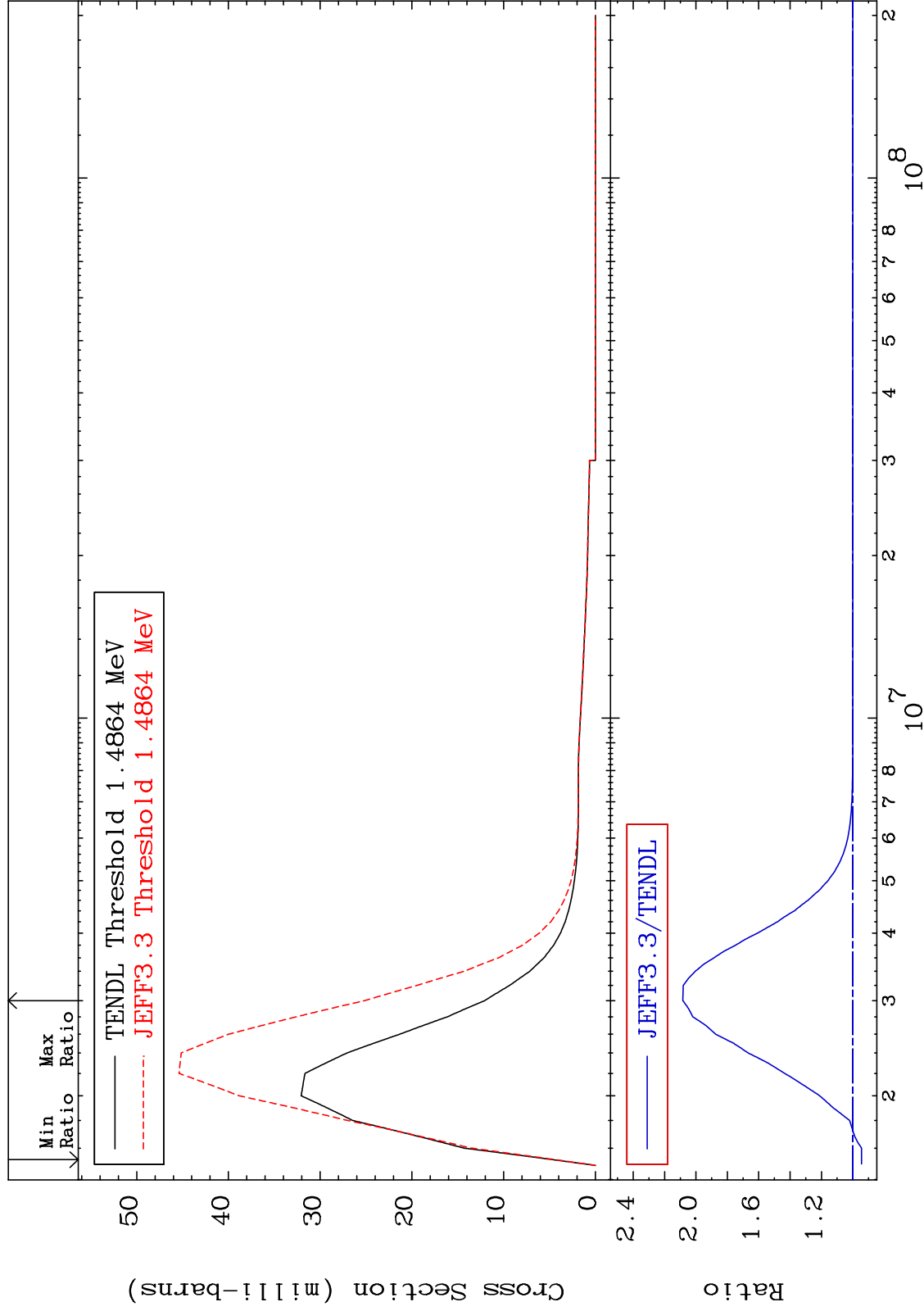
Incident Energy (eV)

66-Dy-158

MAT 6631

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

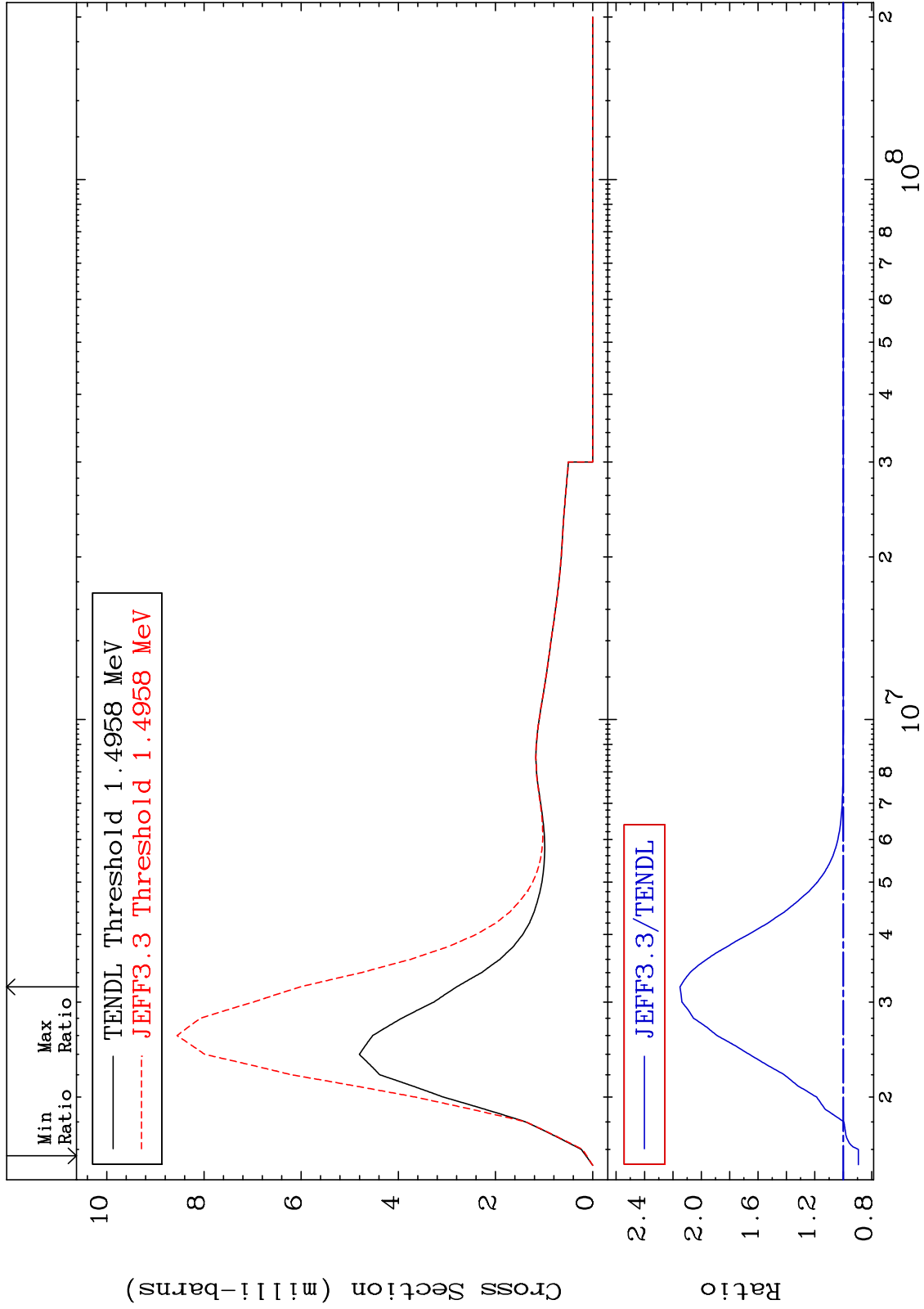
66-Dy-158
-5.593 To 108.4 %



MAT 6631

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

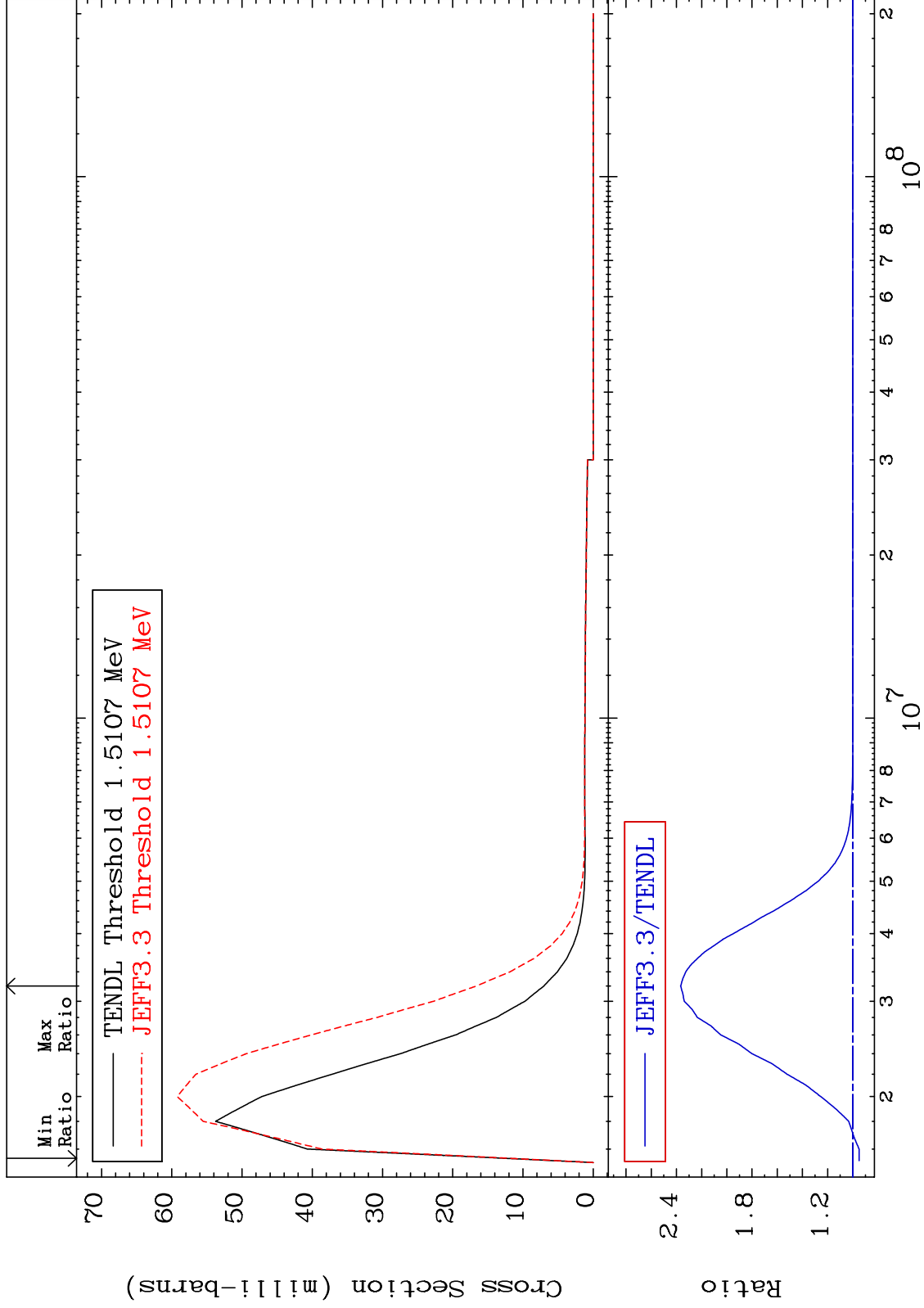
66-Dy-158
-10.69 To 115.0 %



MAT 6631

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

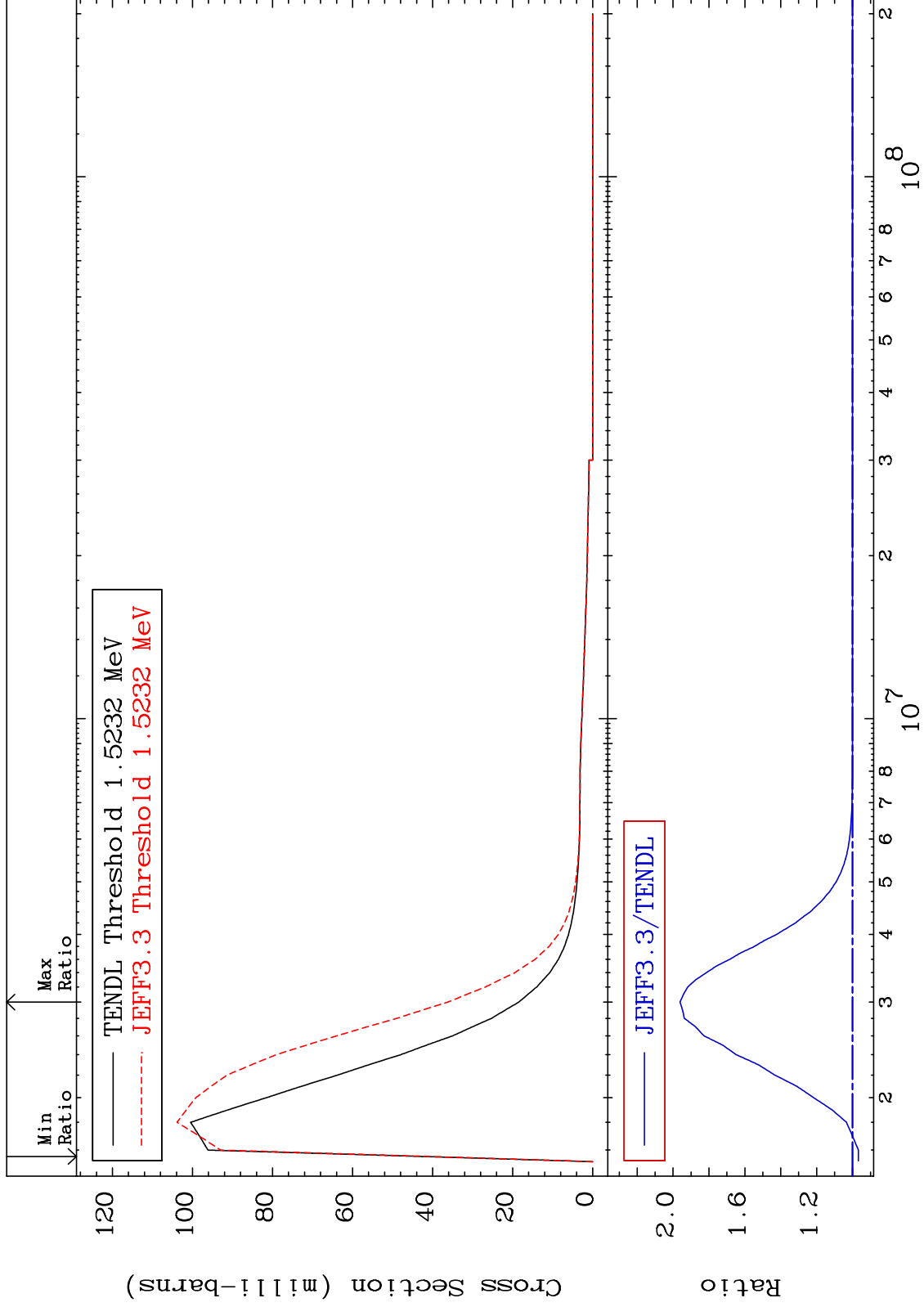
66-Dy-158
-5.025 To 136.7 %



MAT 6631

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

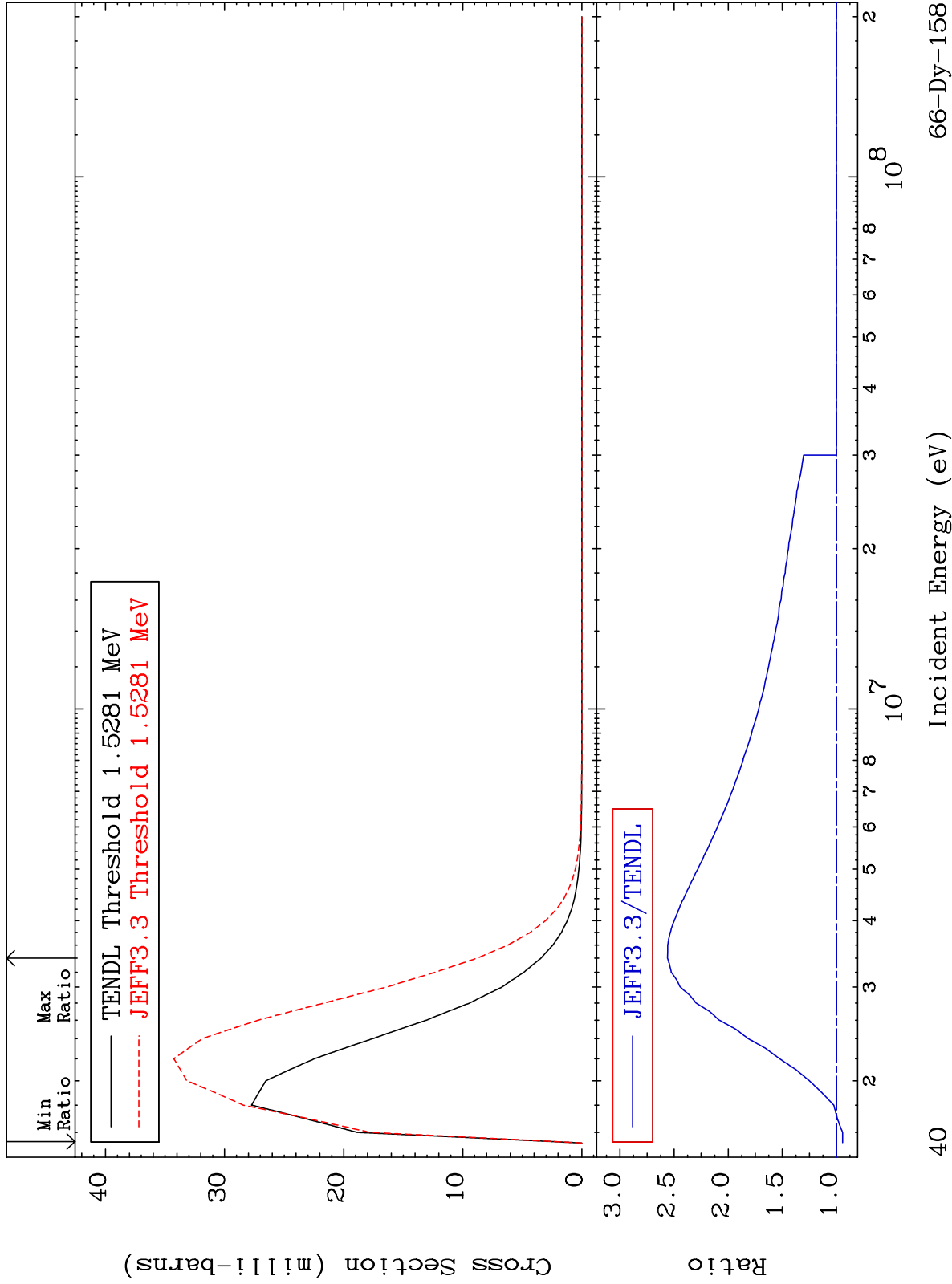
66-Dy-158
-3.274 To 96.13 %



MAT 6631

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

66-Dy-158
-5.725 To 156.1 %



40

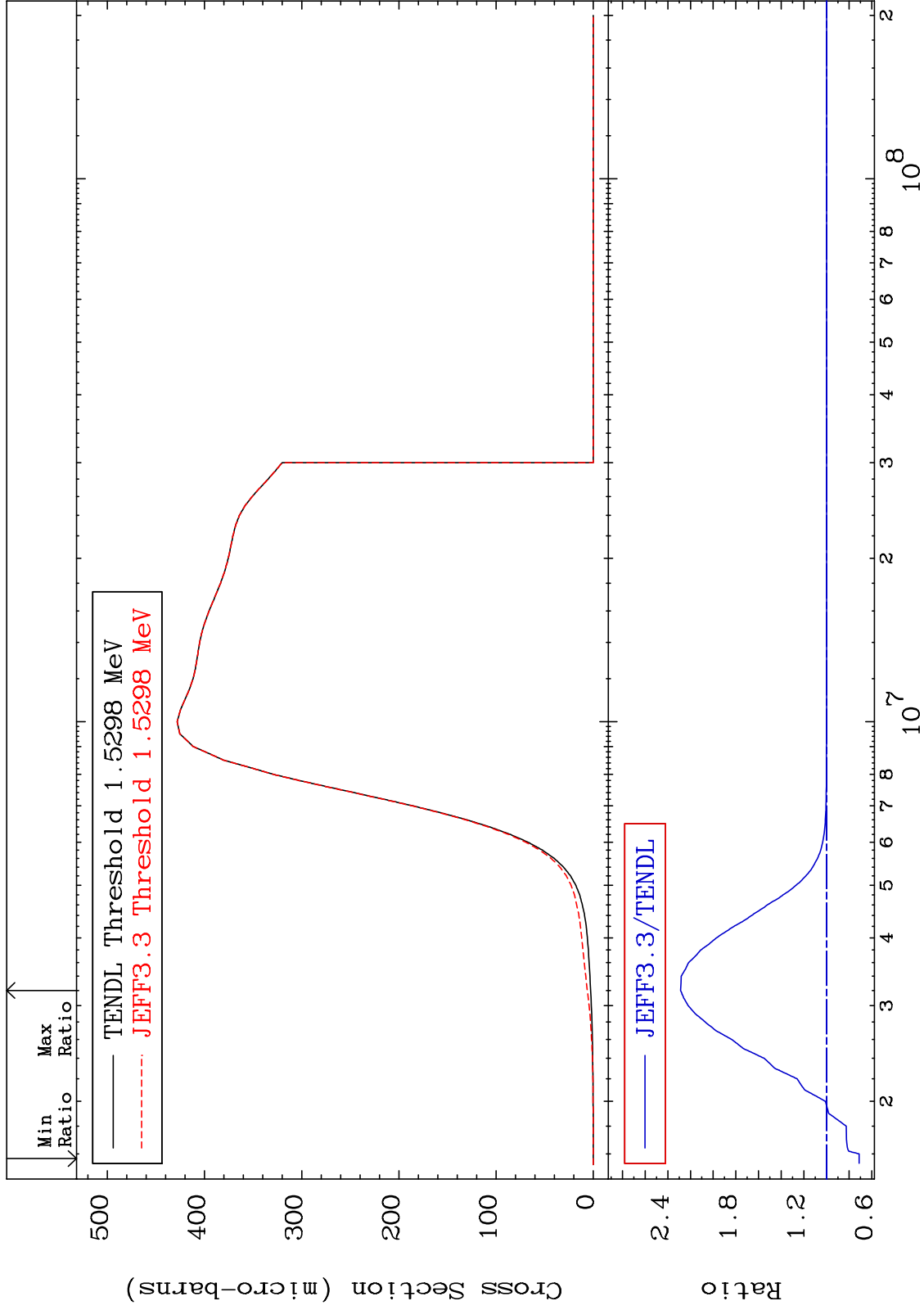
Incident Energy (eV)

66-Dy-158

MAT 6631

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

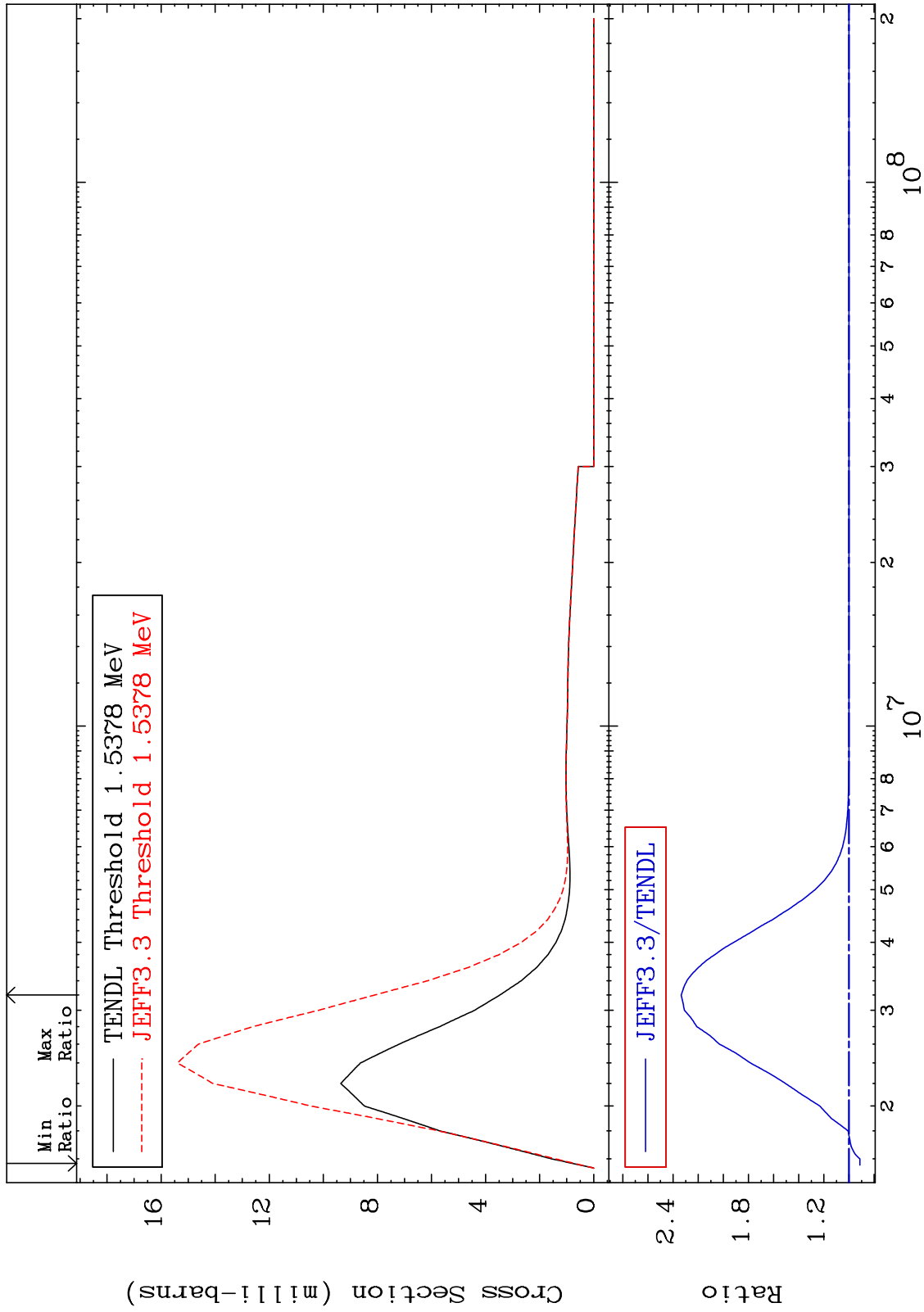
66-Dy-158
-28.81 To 128.7 %



MAT 6631

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

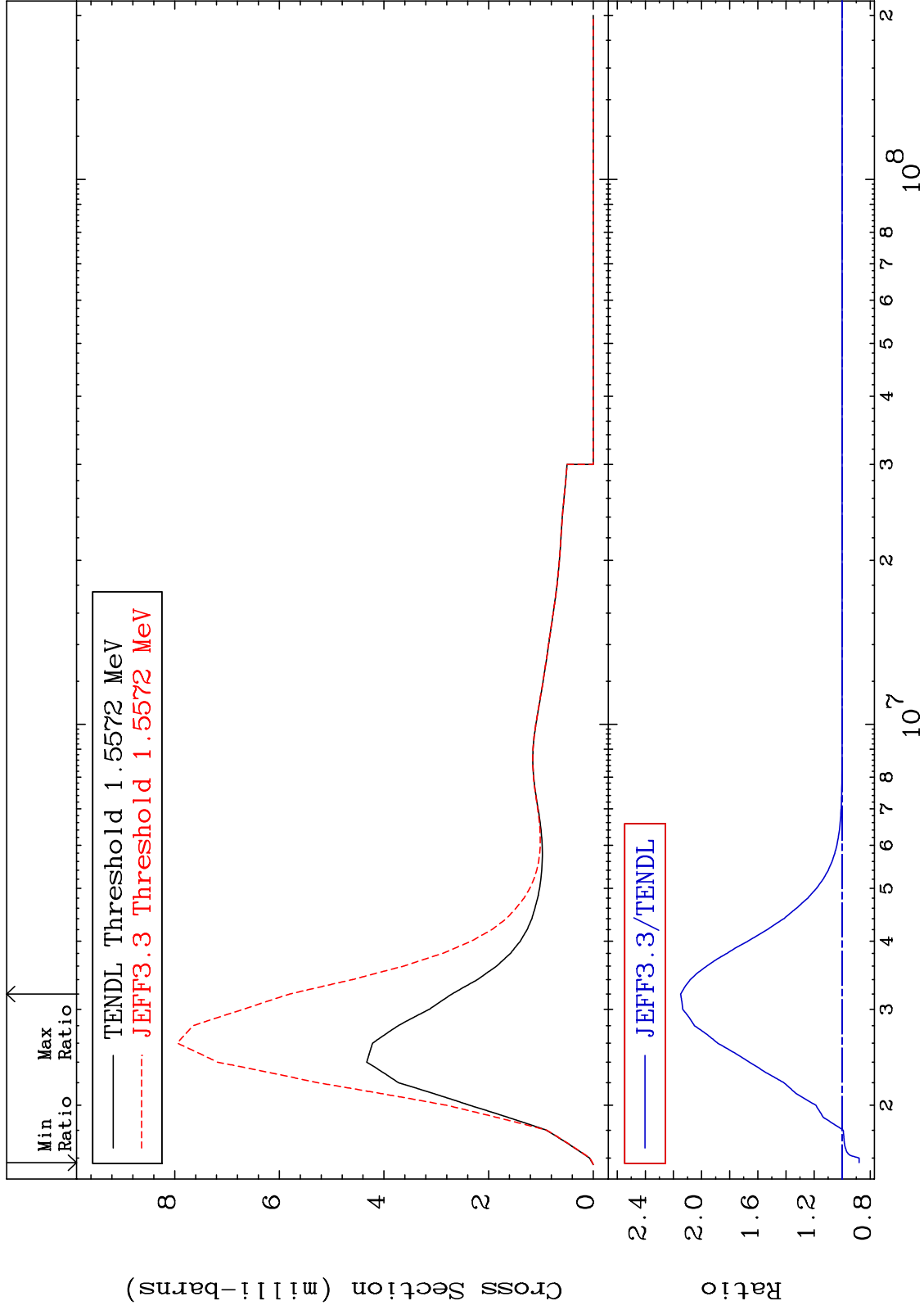
66-Dy-158
-8.669 To 133.5 %



MAT 6631

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

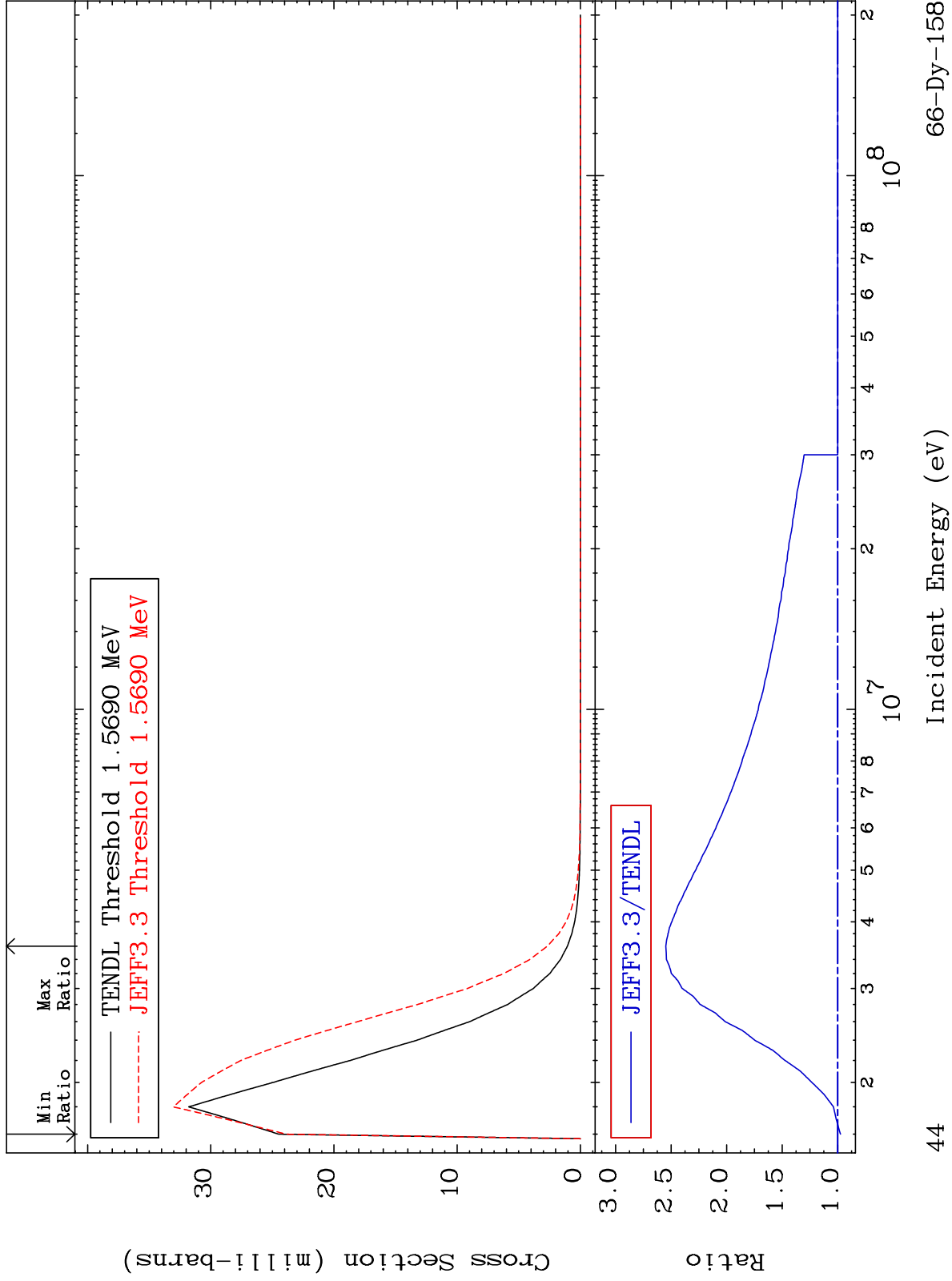
66-Dy-158
-12.09 To 114.9 %



MAT 6631

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

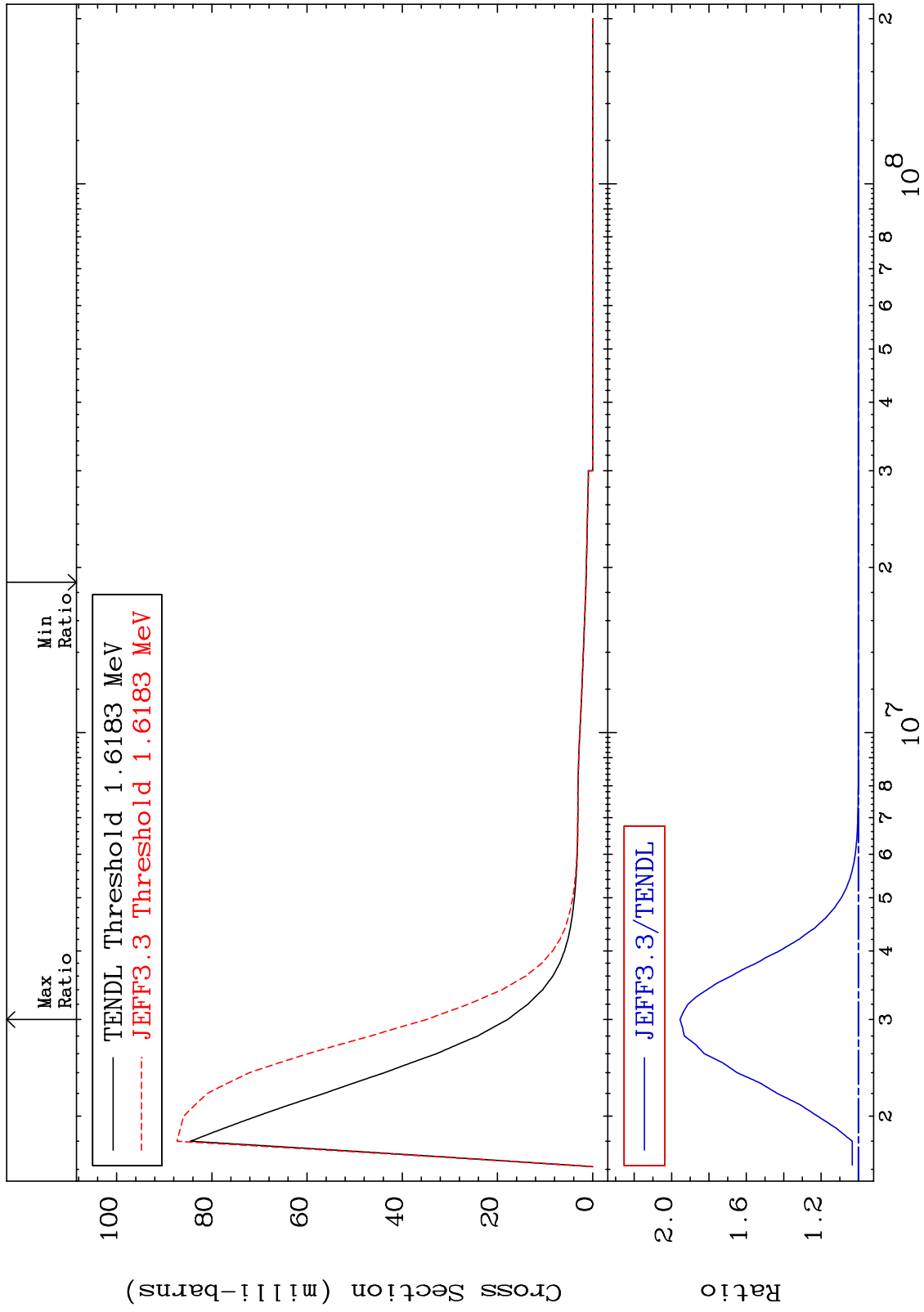
66-Dy-158
-2.456 To 154.8 %



MAT 6631

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

66-Dy-158
0.000 To 95.50 %



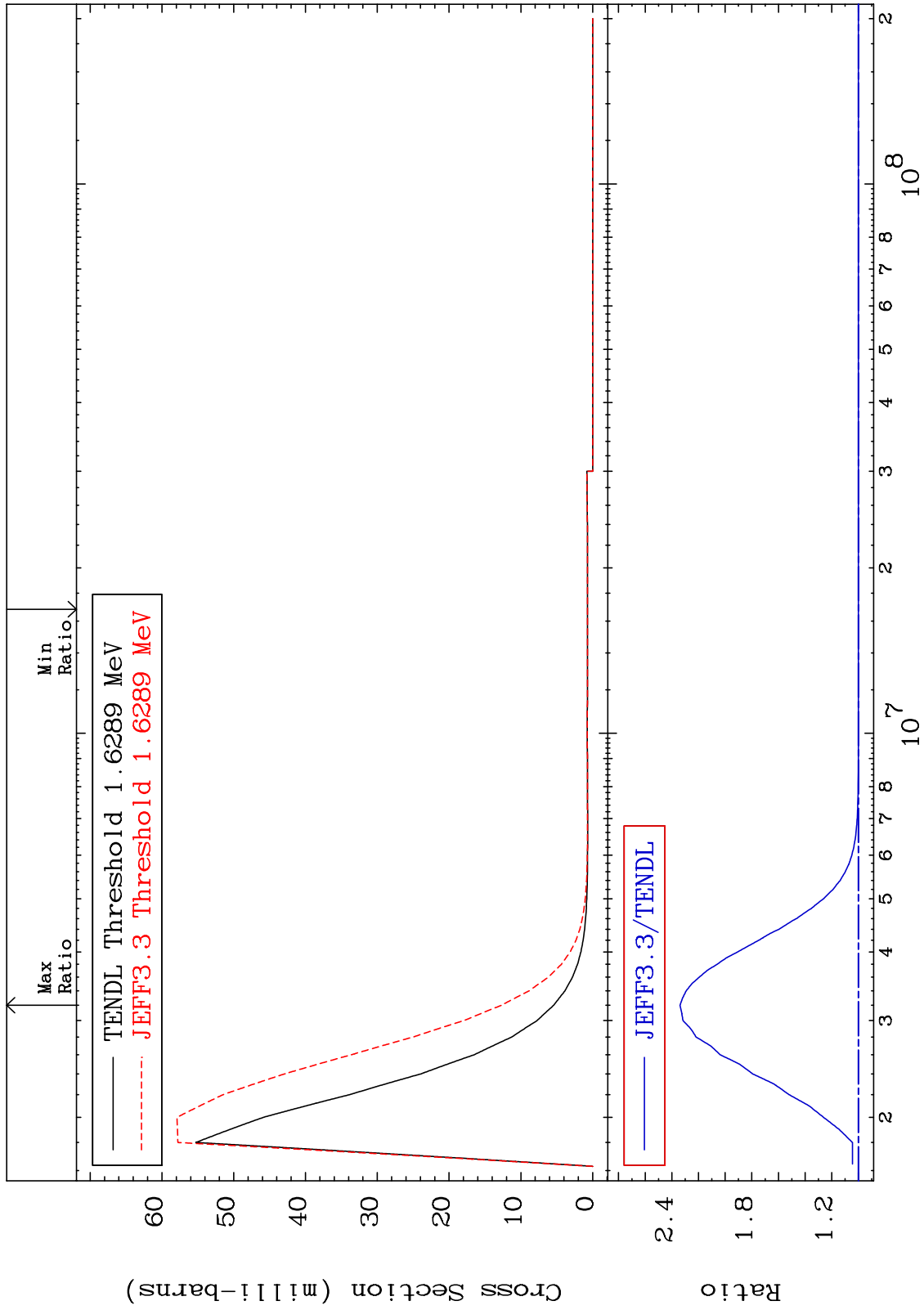
45

66-Dy-158

MAT 6631

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

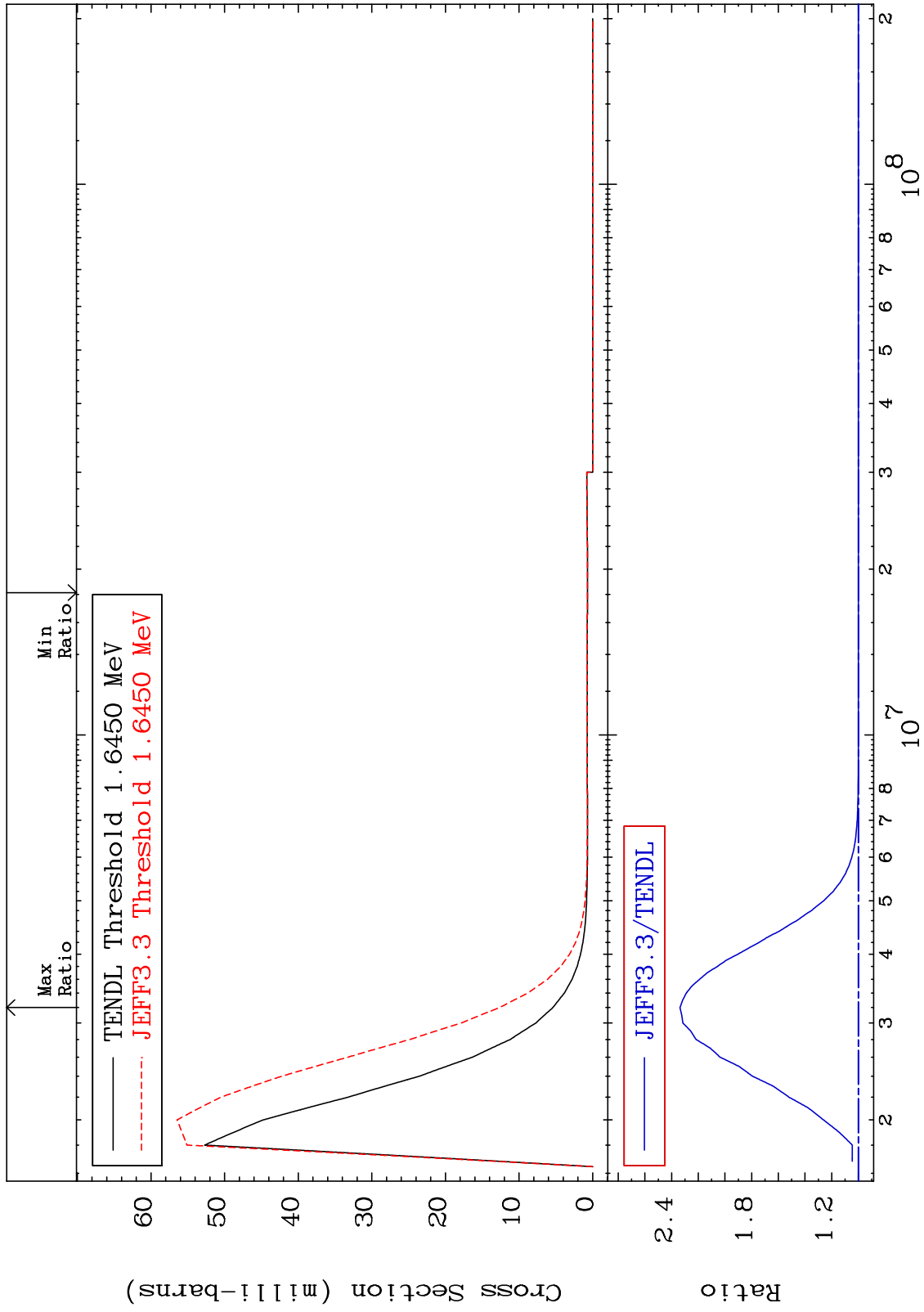
66-Dy-158
To 133.9 %
0.000



MAT 6631

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

66-Dy-158
To 133.7 %
0.000



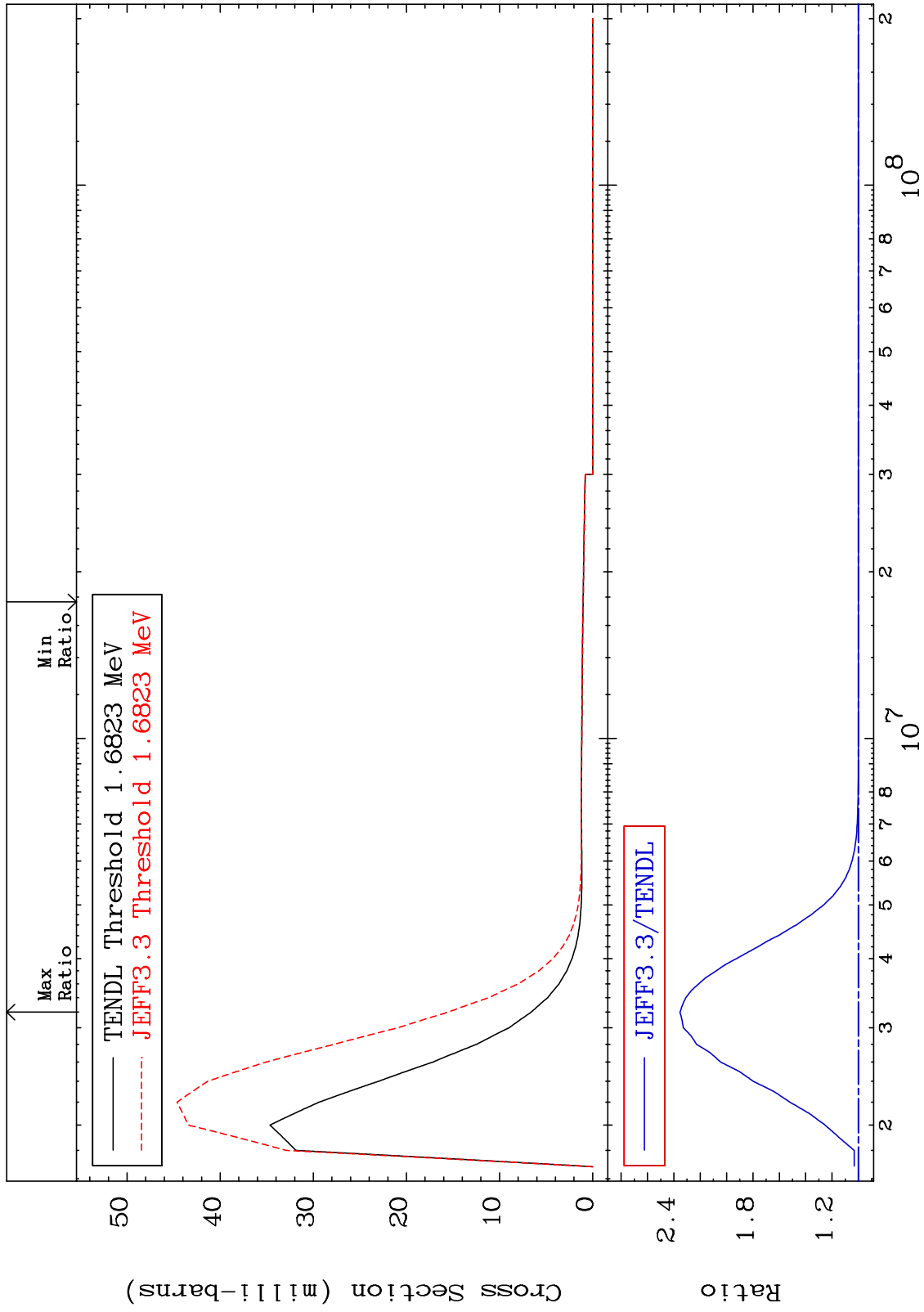
47

66-Dy-158

MAT 6631

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

66-Dy-158
To 135.3 %
0.000



48

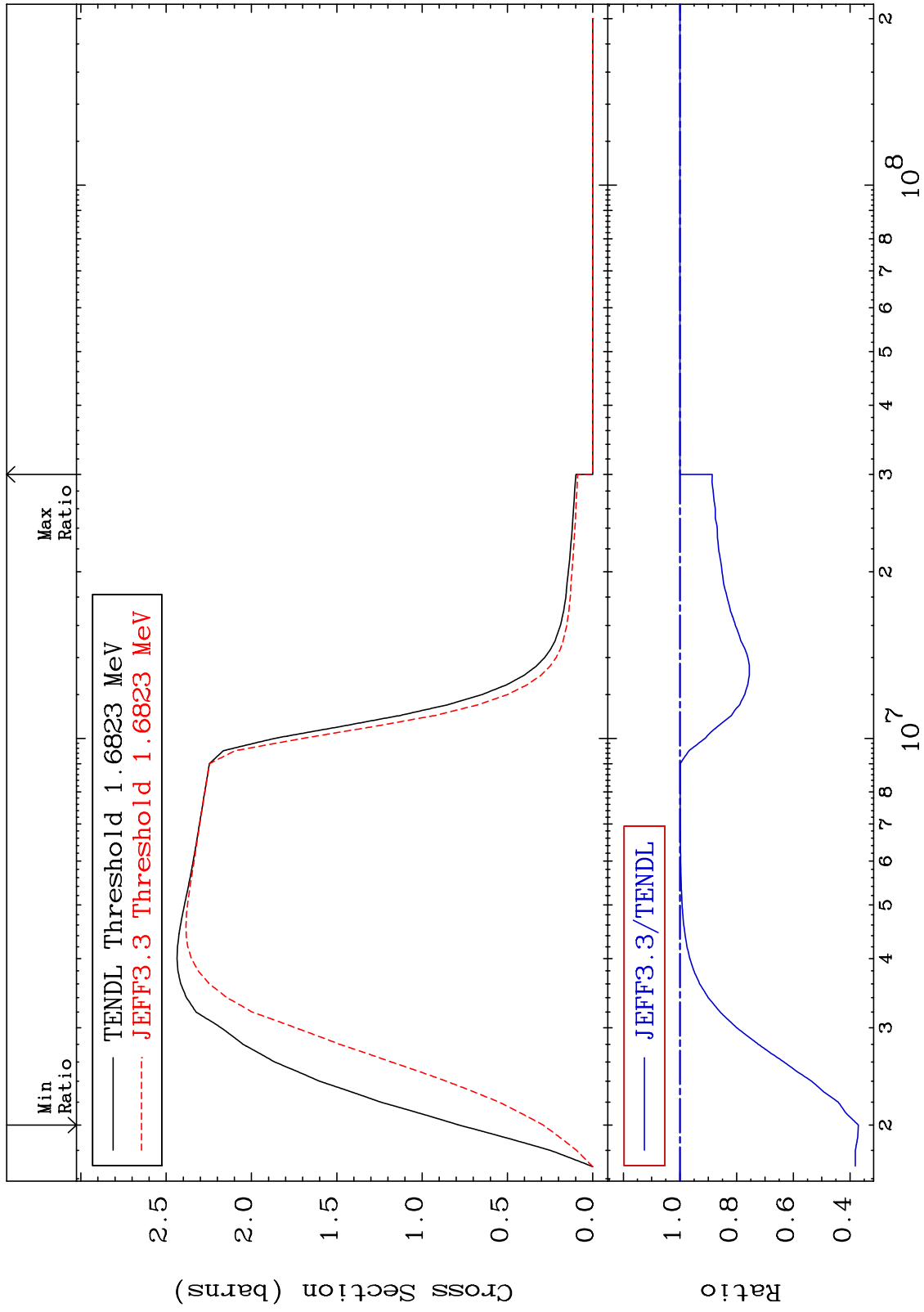
66-Dy-158

66-Dy-158

MAT 6631

(n, n') Continuum
Cross Section

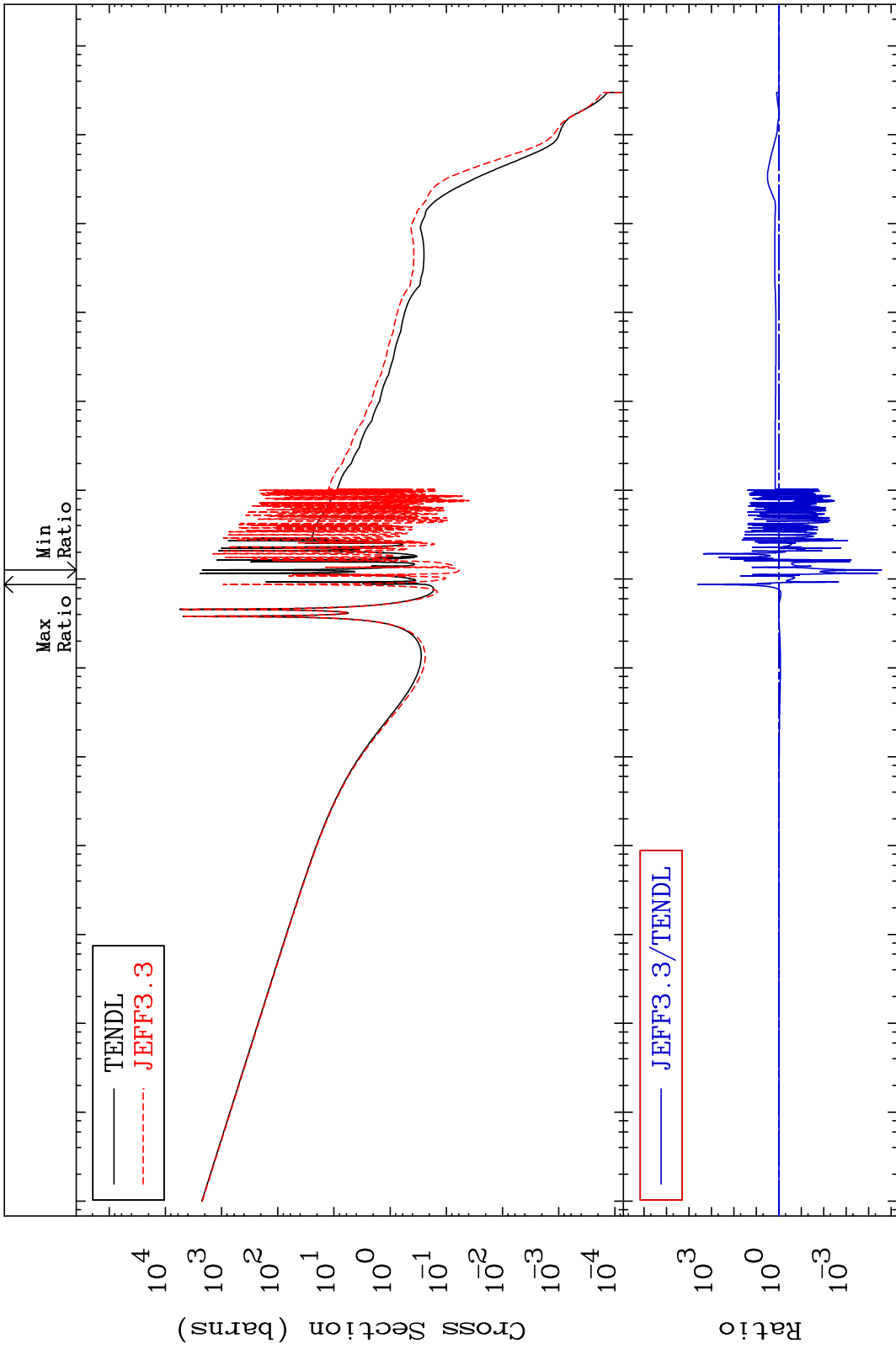
66-Dy-158
-62.96 To 0.000 %



MAT 6631

(n, γ)
Cross Section

66-Dy-158
-100.0 To 9999. %



50

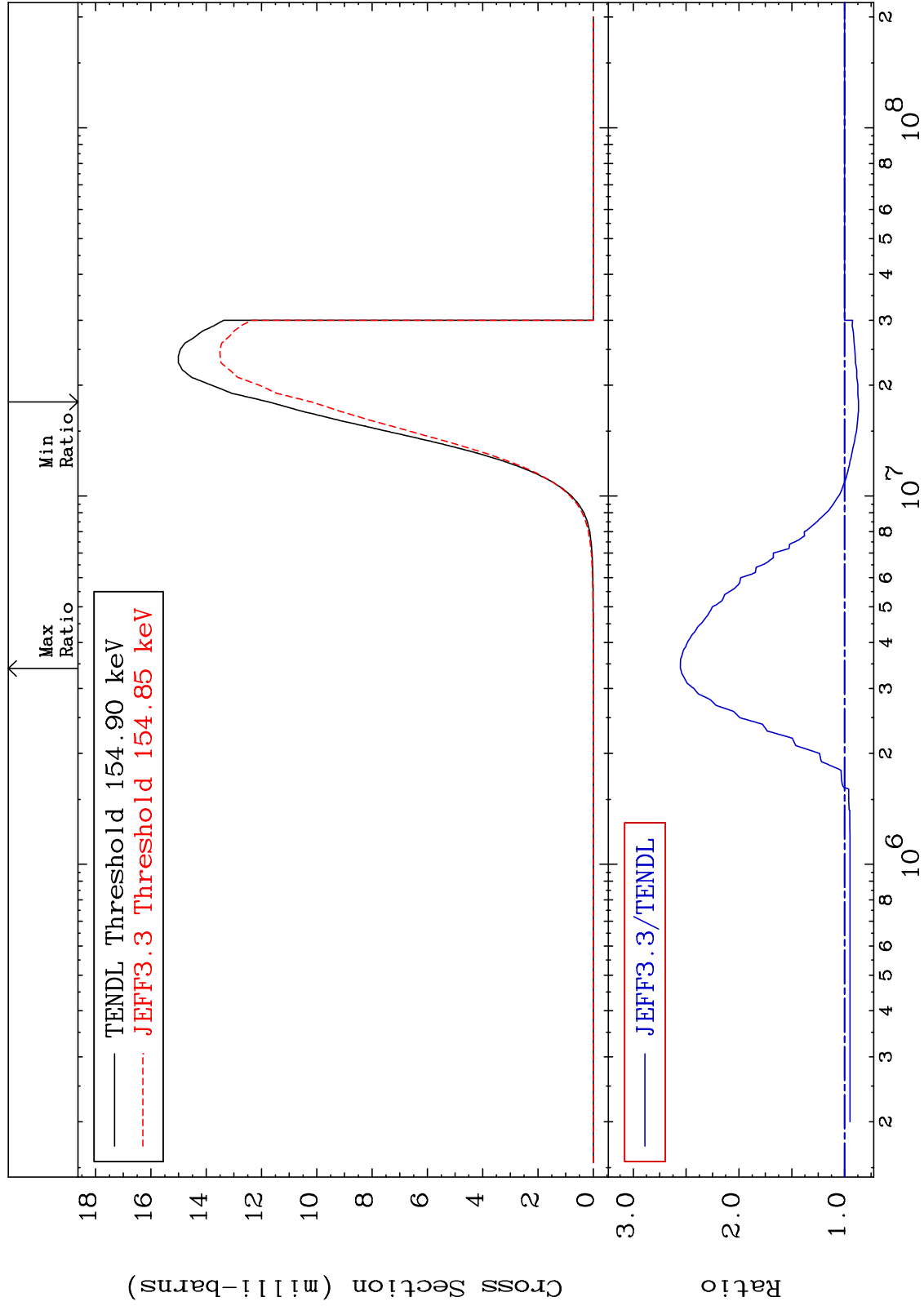
Incident Energy (eV)

66-Dy-158

MAT 6631

(n, p)
Cross Section

66-Dy-158
-13.17 To 155.3 %



51

Incident Energy (eV)

66-Dy-158

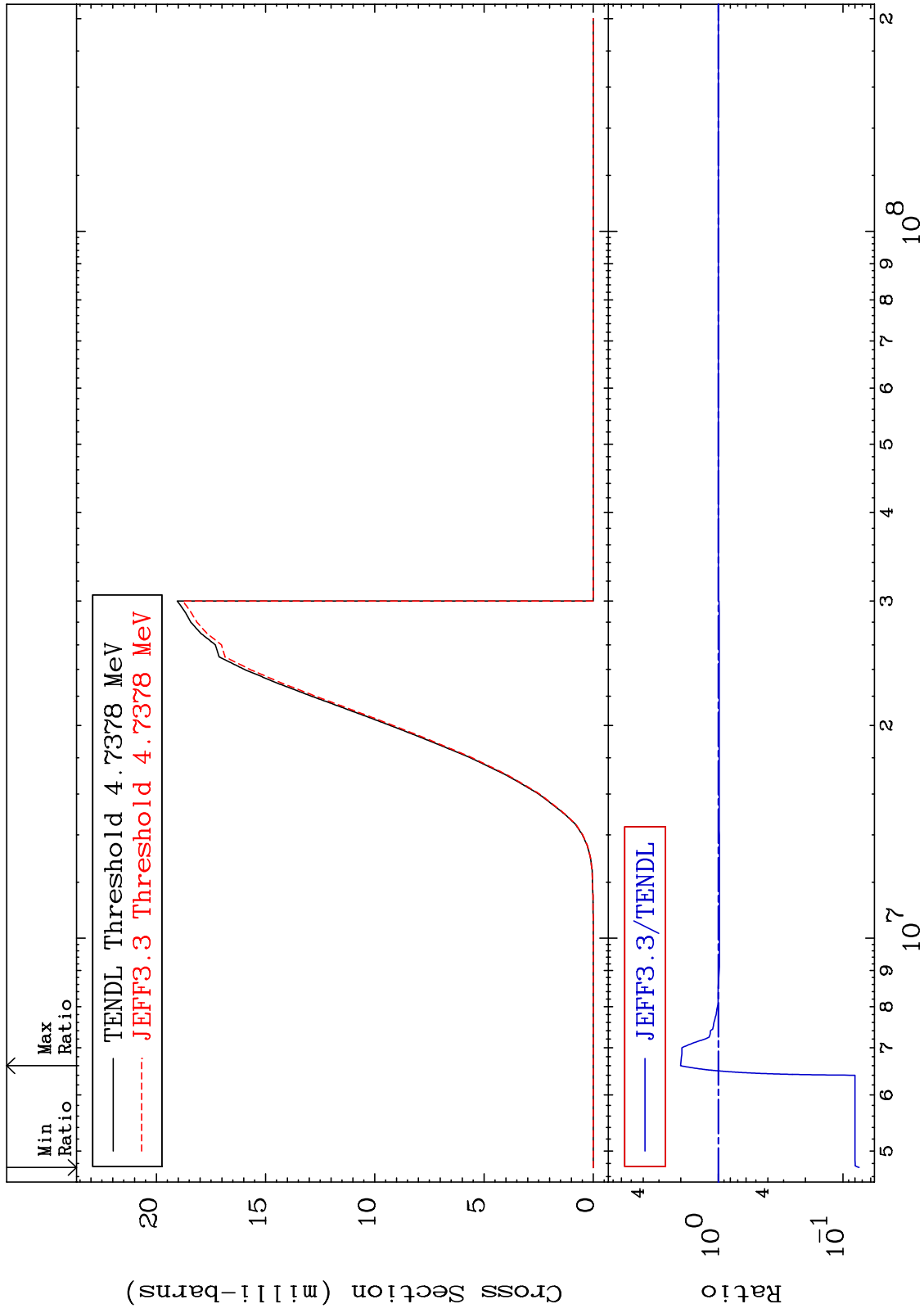
MAT 6631

(n, d)

66-Dy-158

Cross Section

-92.59 To 100.8 %



52

Incident Energy (eV)

66-Dy-158

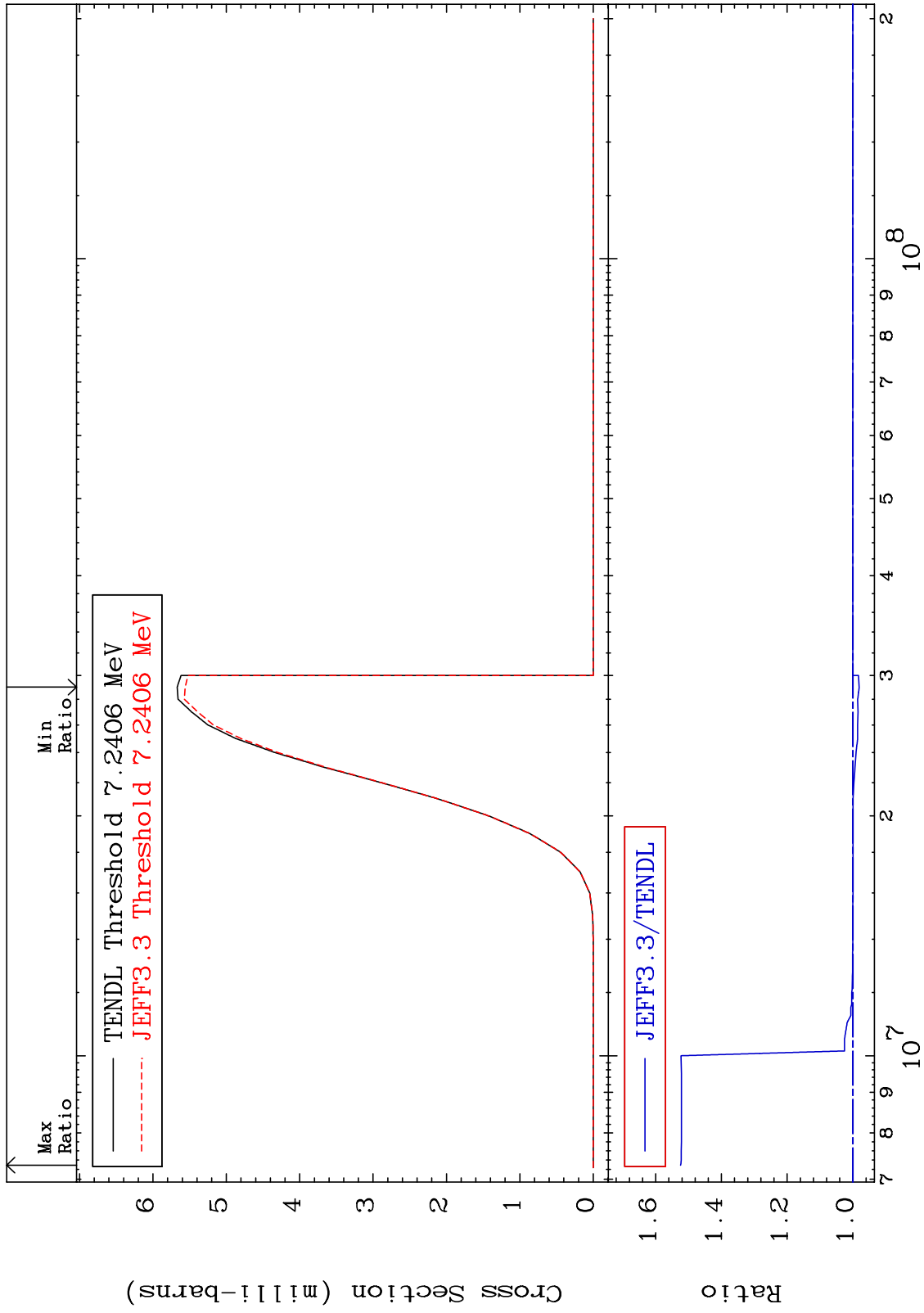
MAT 6631

(n, t)

66-Dy-158

Cross Section

-1.913 To 52.41 %



Incident Energy (eV)

66-Dy-158

53

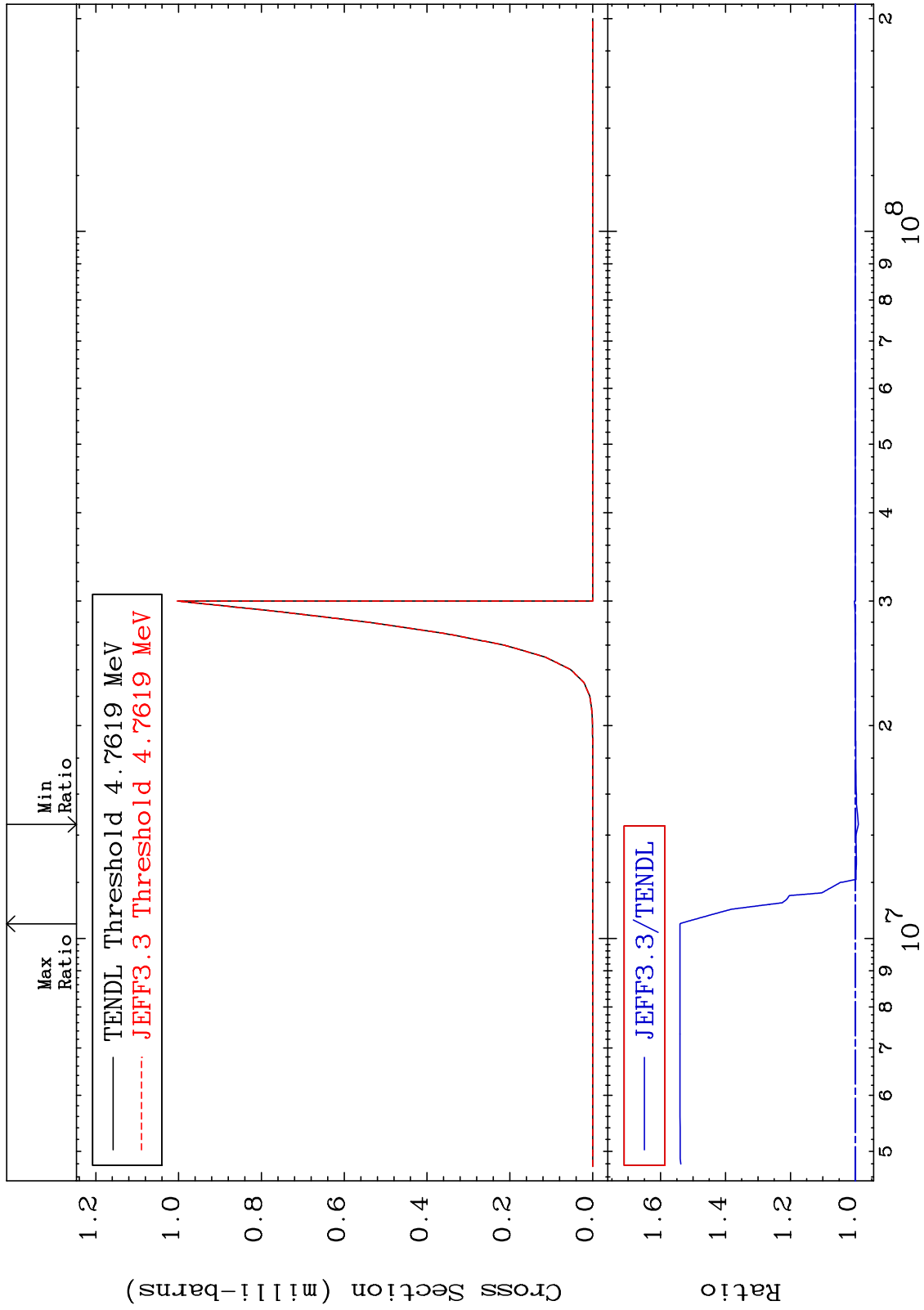
MAT 6631

(n, He-3)

66-Dy-158

Cross Section

-0.930 To 54.01 %



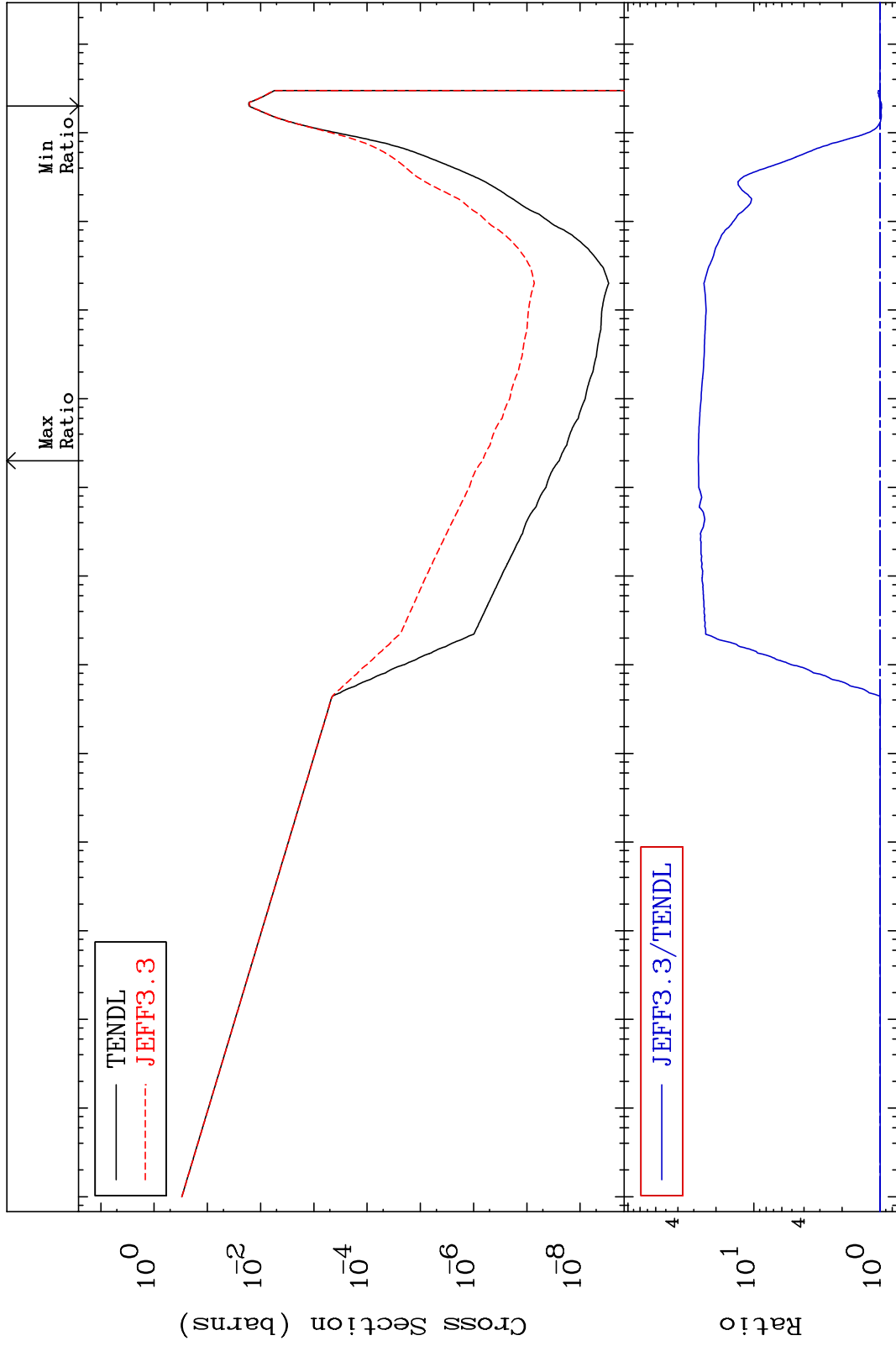
MAT 6631

(n, α)

66-Dy-158

Cross Section

-2.857 To 2658. %



Incident Energy (eV)

55

66-Dy-158

66-Dy-158

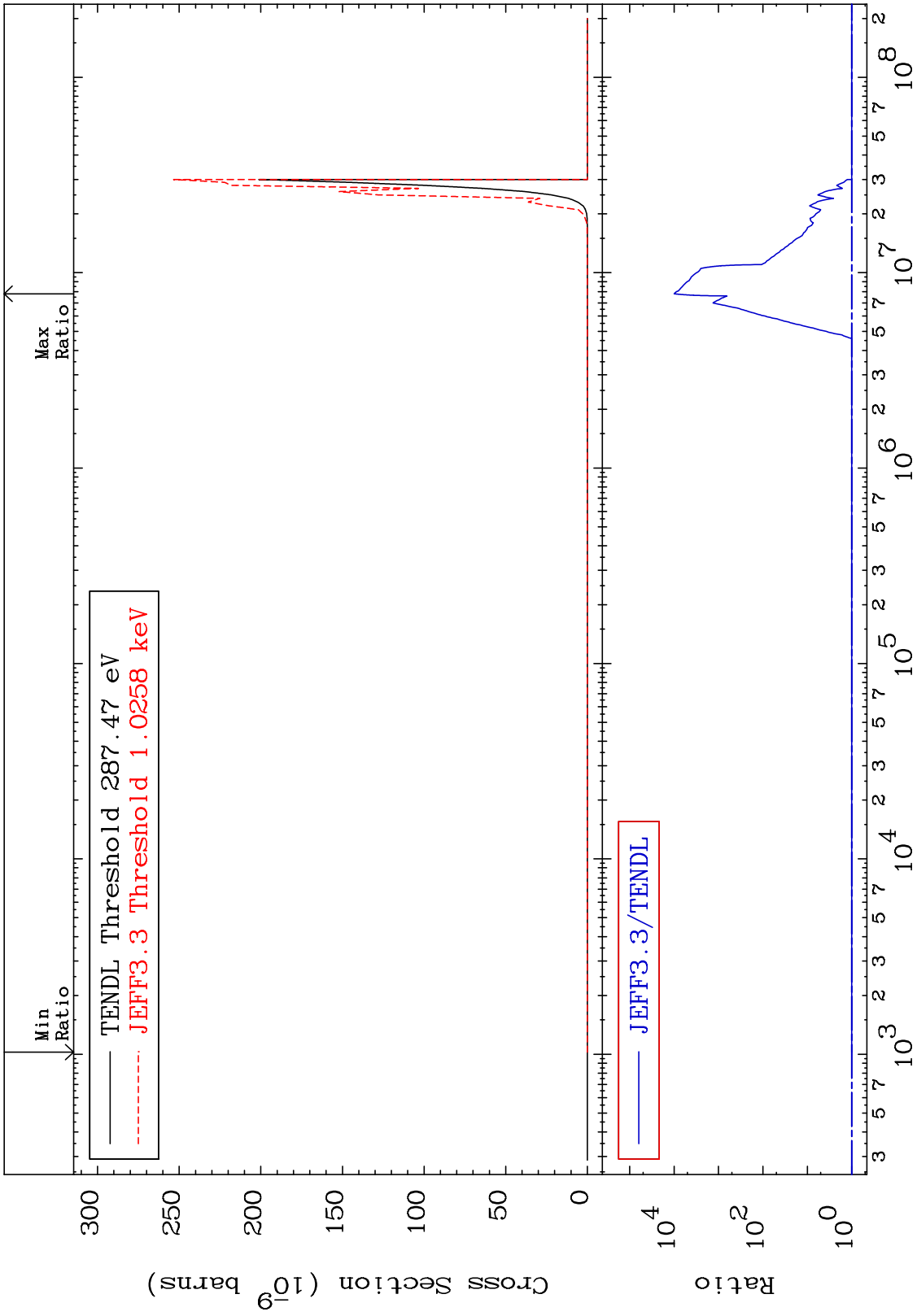
MAT 6631

(n, 2α)

66-Dy-158

Cross Section

0.000 To 9999. %



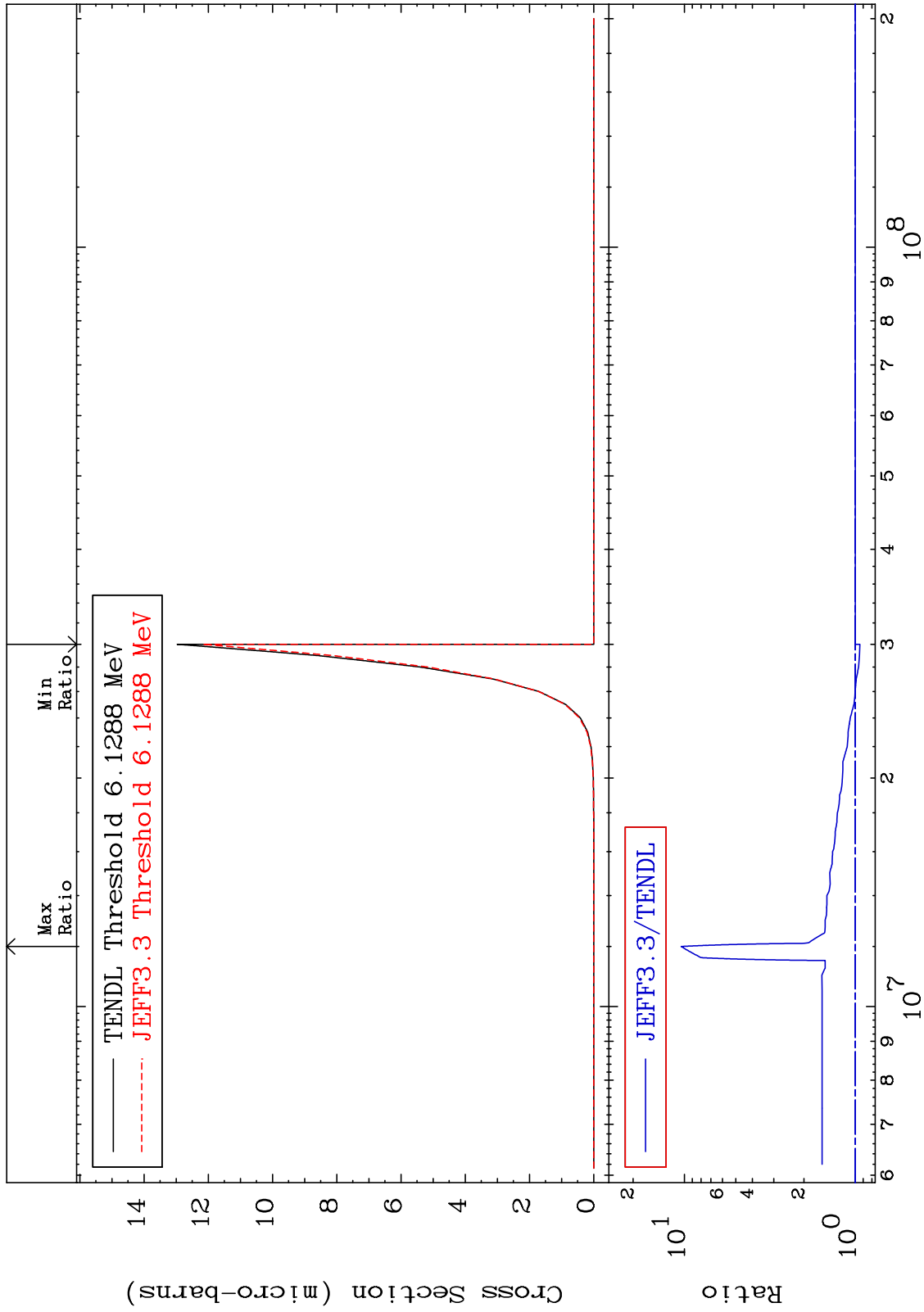
MAT 6631

(n,2p)

66-Dy-158

Cross Section

-6.018 To 944.4 %



57

Incident Energy (eV)

66-Dy-158

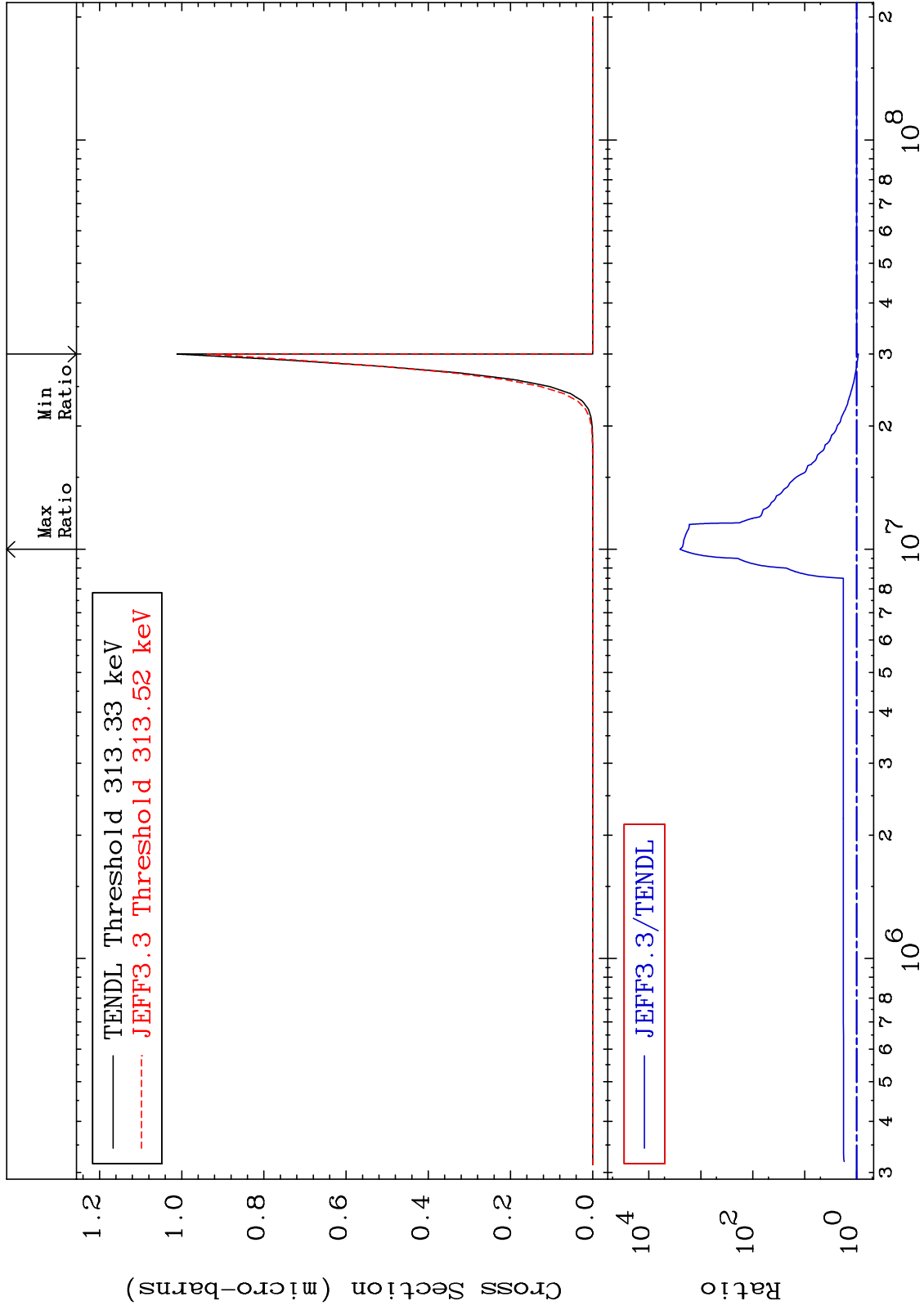
MAT 6631

(n,p) α

66-Dy-158

-7.352 To 9999. %

Cross Section



58

Incident Energy (eV)

66-Dy-158

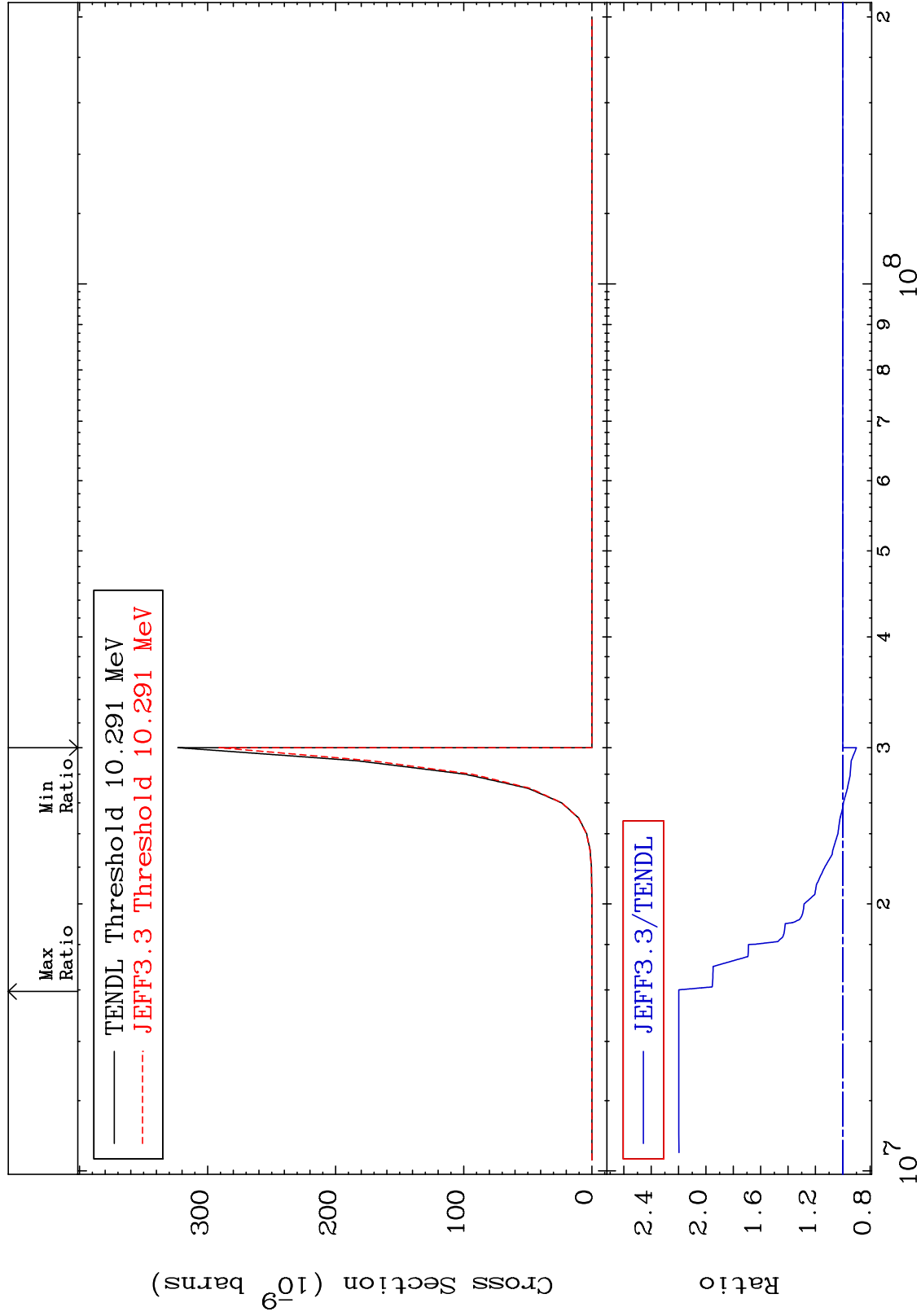
MAT 6631

(n,p) d

66-Dy-158

Cross Section

-9.974 To 119.8 %



59

Incident Energy (eV)

66-Dy-158

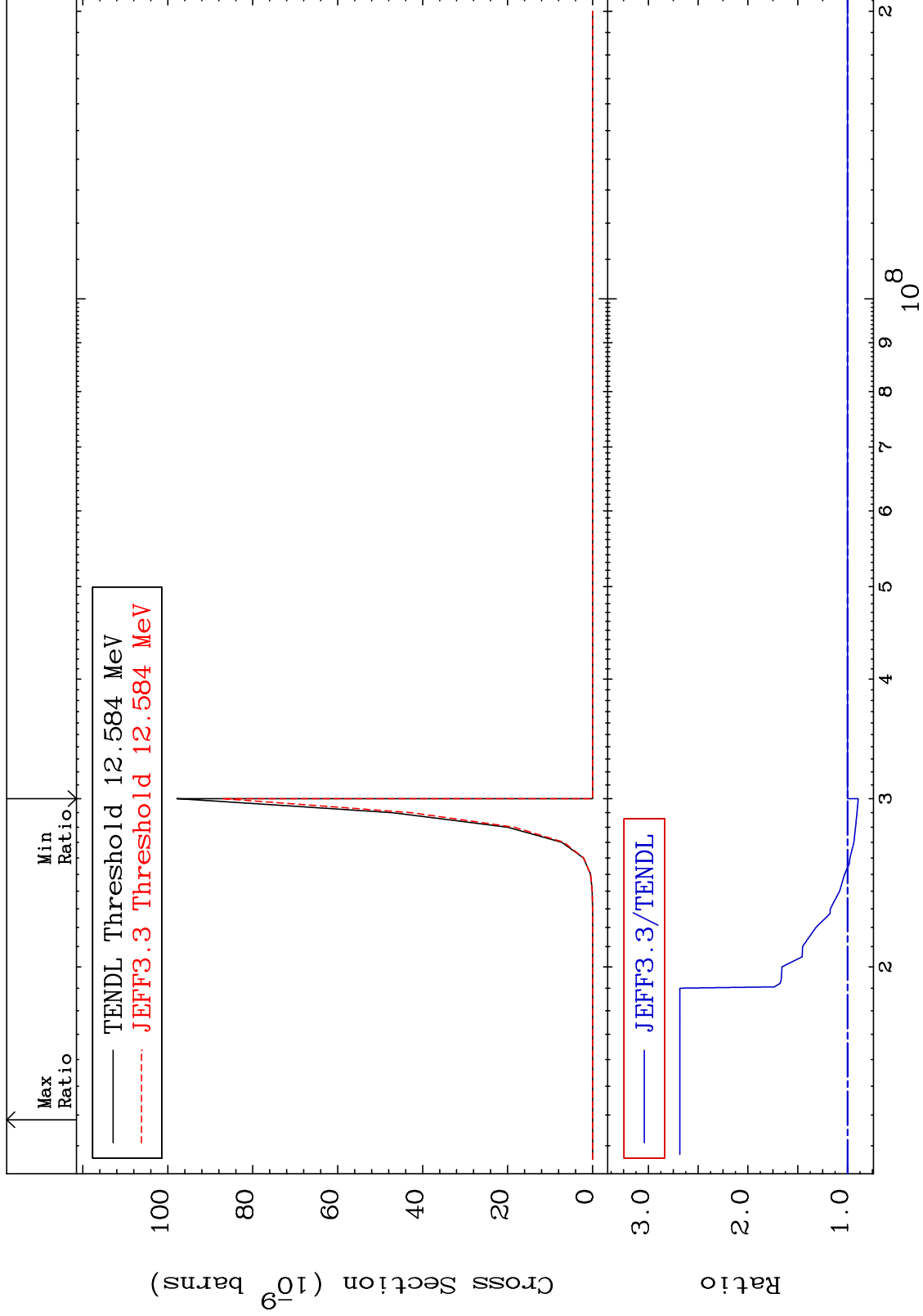
MAT 6631

(n,p) t

66-Dy-158

Cross Section

-10.81 To 168.4 %



60

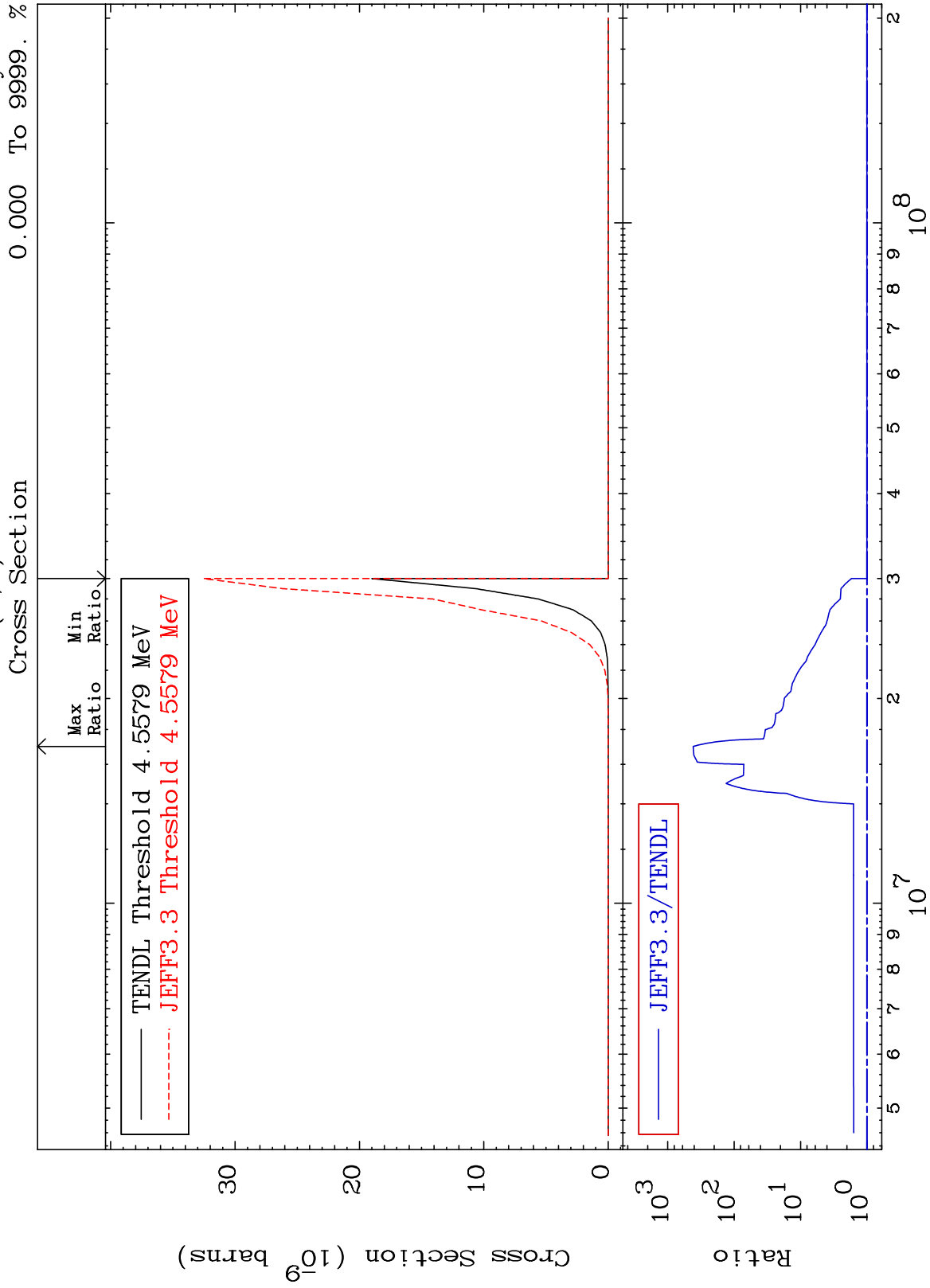
Incident Energy (eV)

66-Dy-158

MAT 6631

(n,d) α

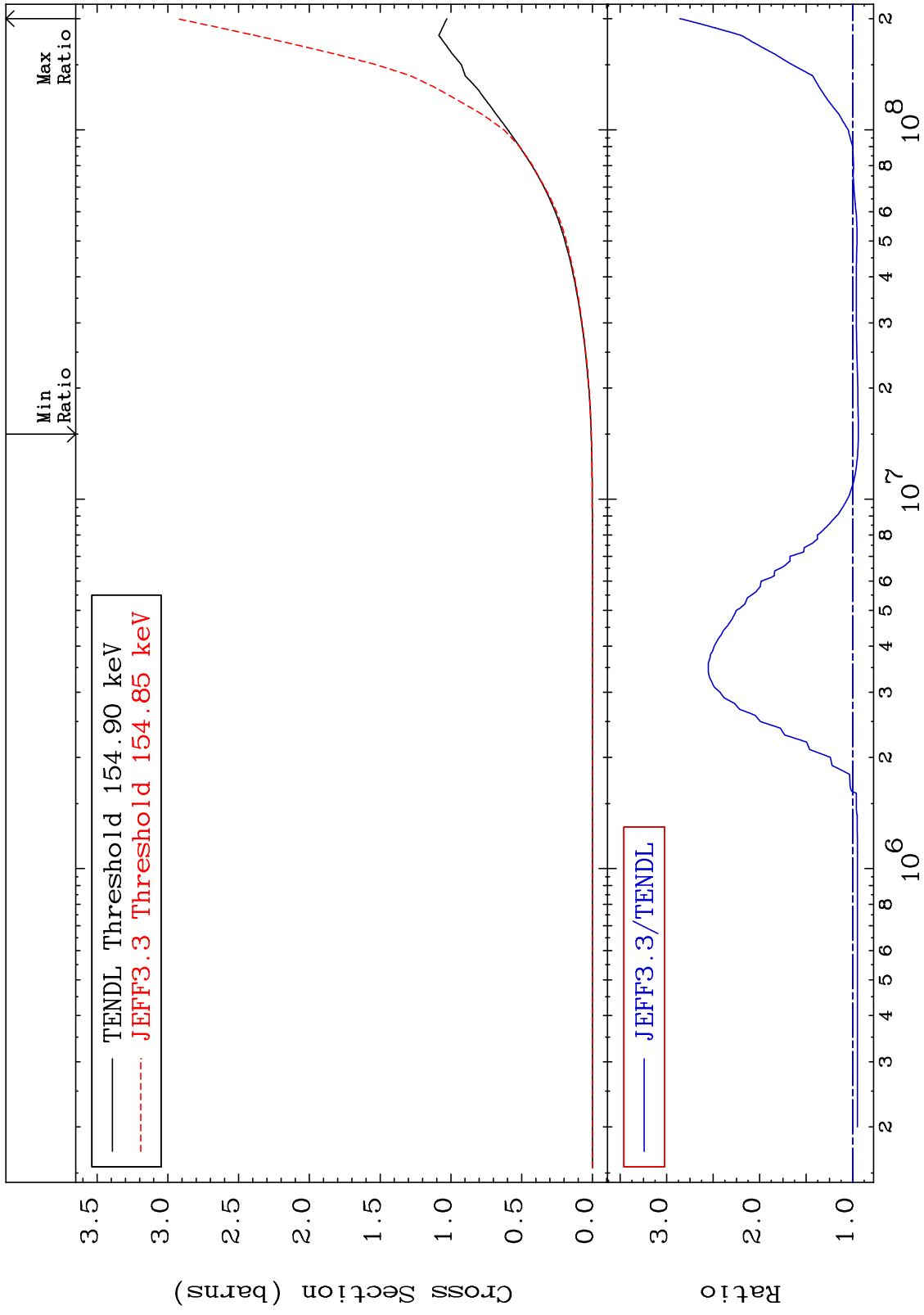
66-Dy-158
To 9999. %
0.000



MAT 6631

Hydrogen Production
Cross Section

66-Dy-158
-6.143 To 185.9 %



62

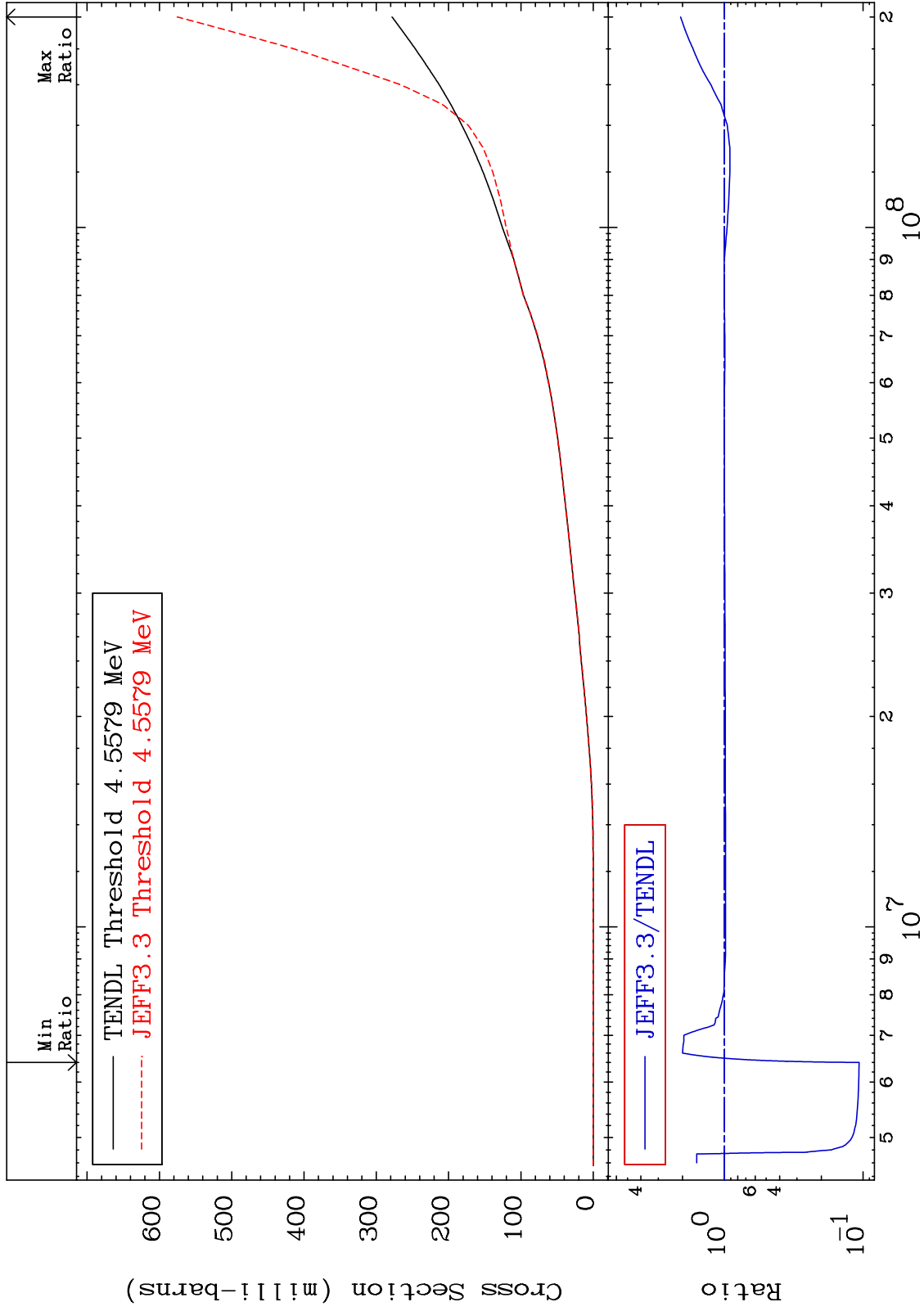
Incident Energy (eV)

66-Dy-158

MAT 6631

Deuterium Production
Cross Section

66-Dy-158
-89.32 To 106.8 %



63

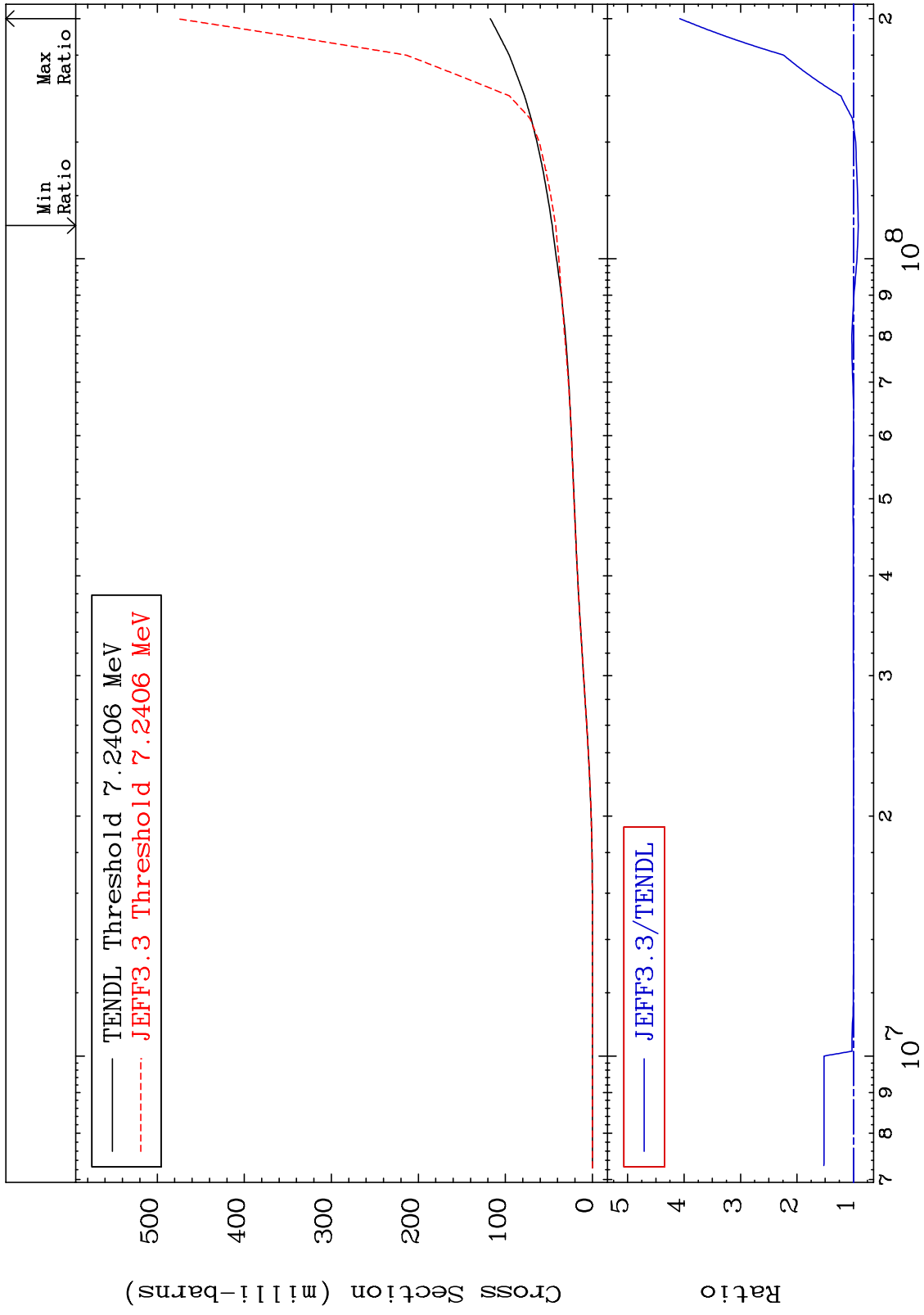
Incident Energy (eV)

66-Dy-158

MAT 6631

Tritium Production
Cross Section

66-Dy-158
-8.672 To 307.6 %



64

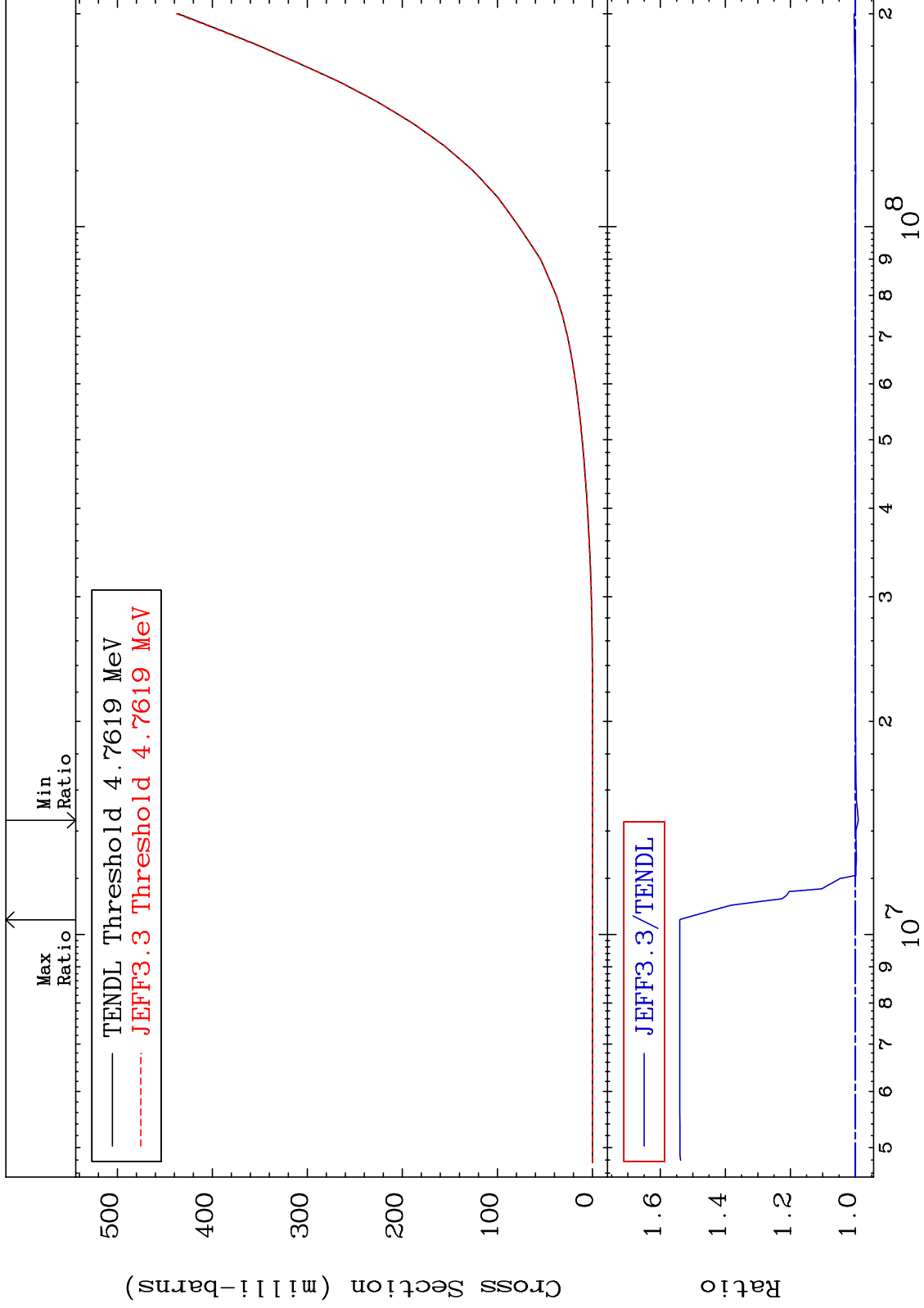
Incident Energy (eV)

66-Dy-158

MAT 6631

He-3 Production
Cross Section

66-Dy-158
-0.930 To 54.01 %



65

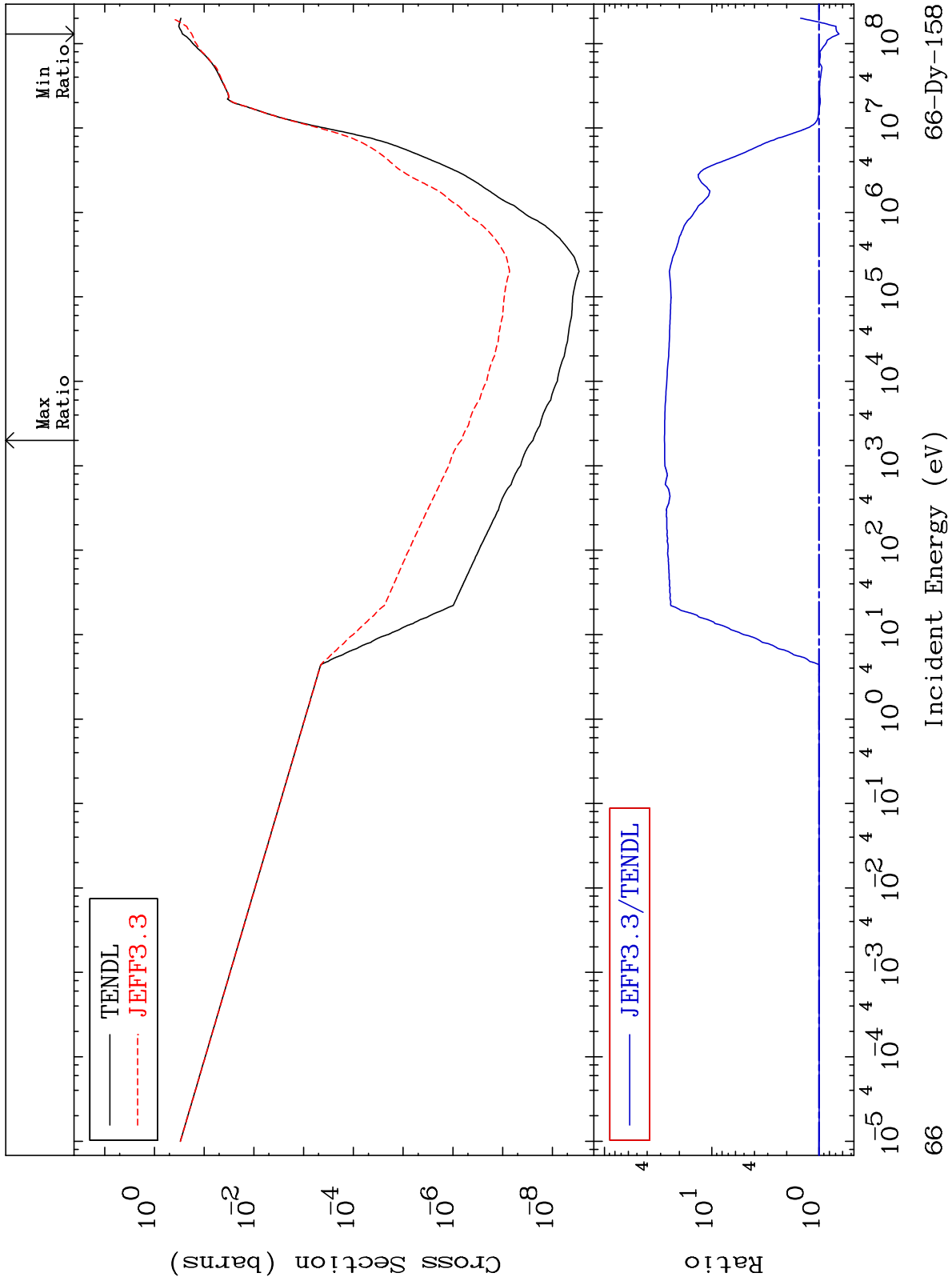
Incident Energy (eV)

66-Dy-158

MAT 6631

He-4 Production
Cross Section

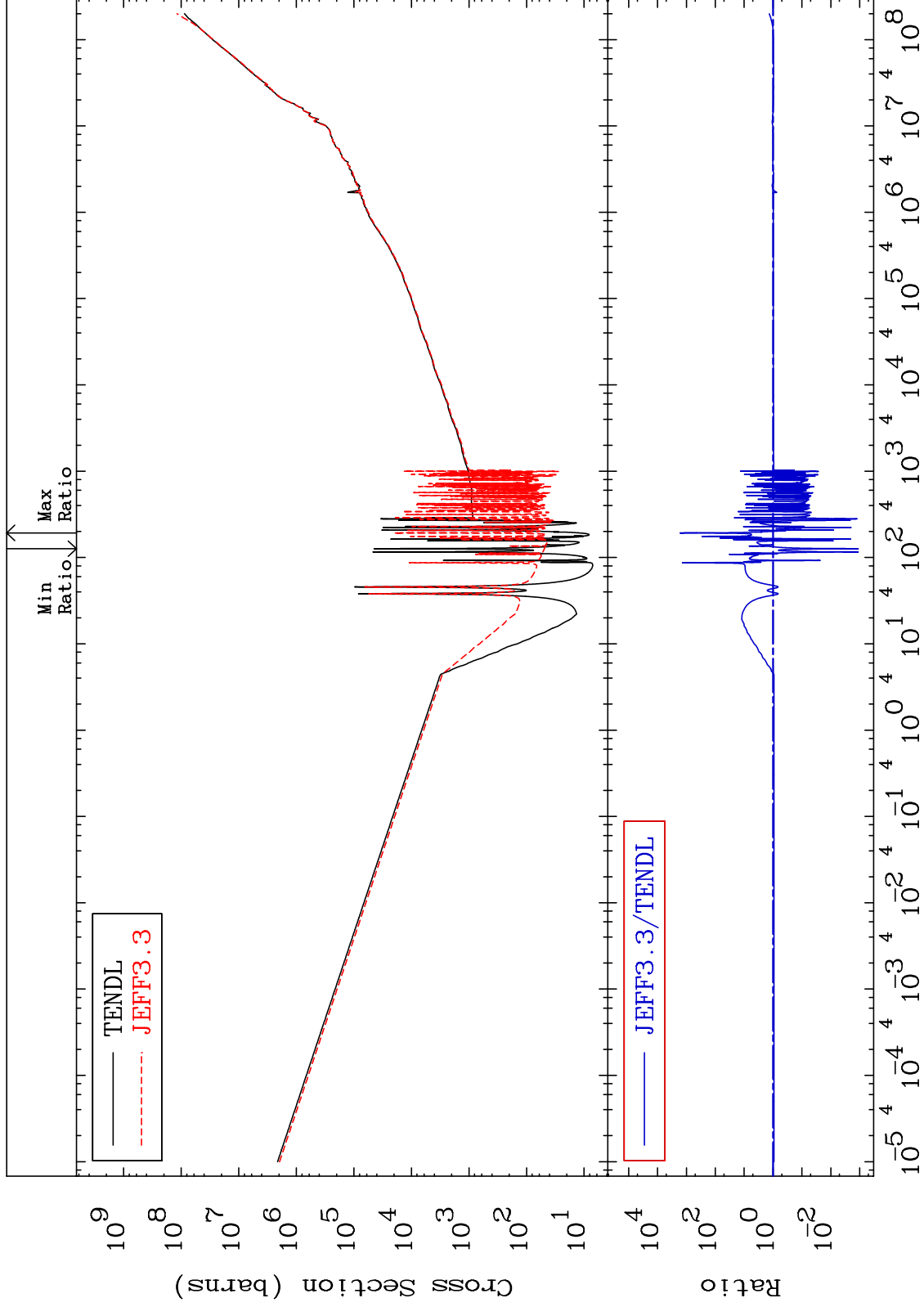
66-Dy-158
-35.08 To 2658. %



MAT 6631

Kerma total (eV-barns)
Cross Section

66-Dy-158
-99.89 To 9999. %



67

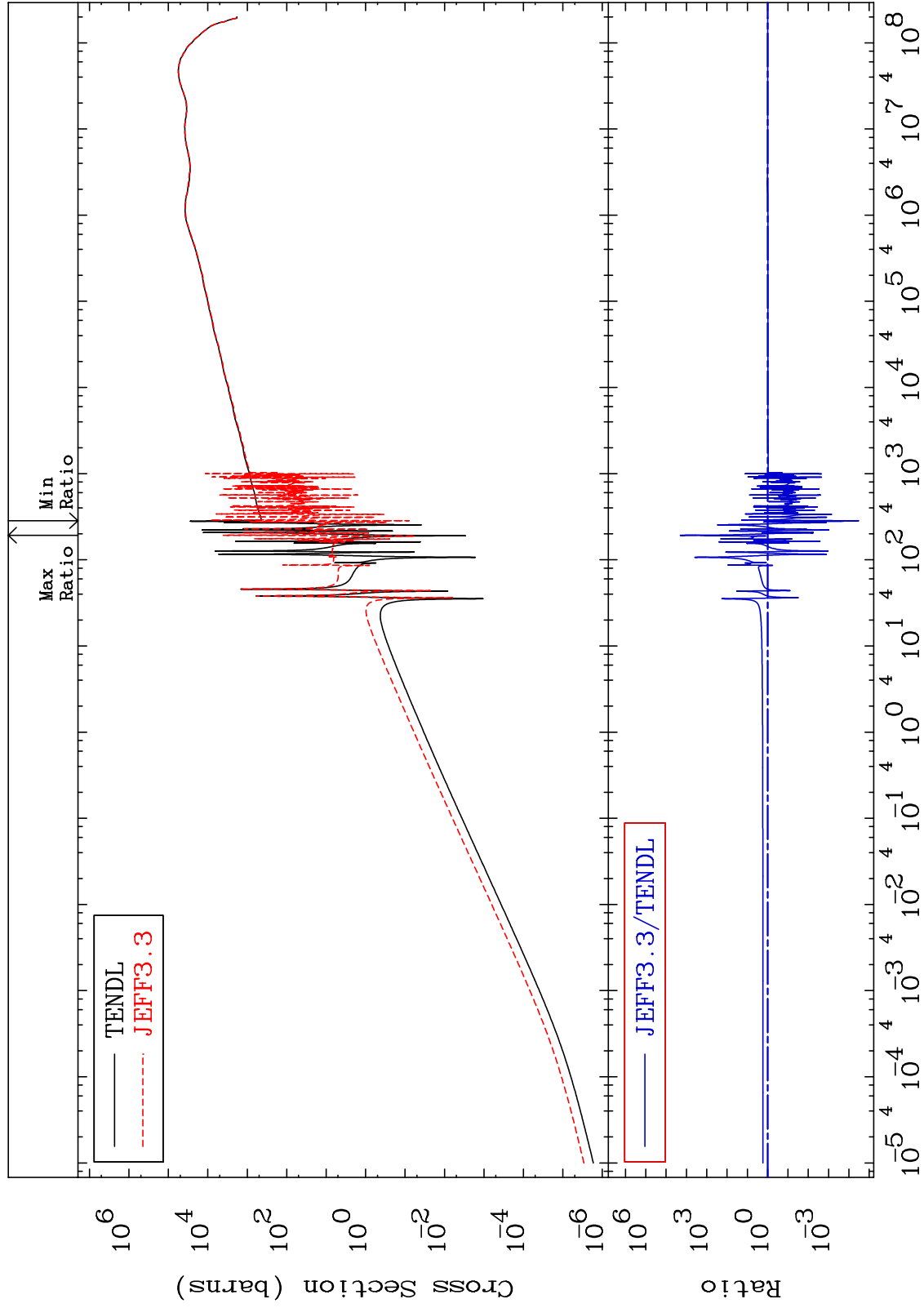
Incident Energy (eV)

66-Dy-158

MAT 6631

Kerma elastic
Cross Section

66-Dy-158
-100.0 To 9999. %



68

Incident Energy (eV)

66-Dy-158

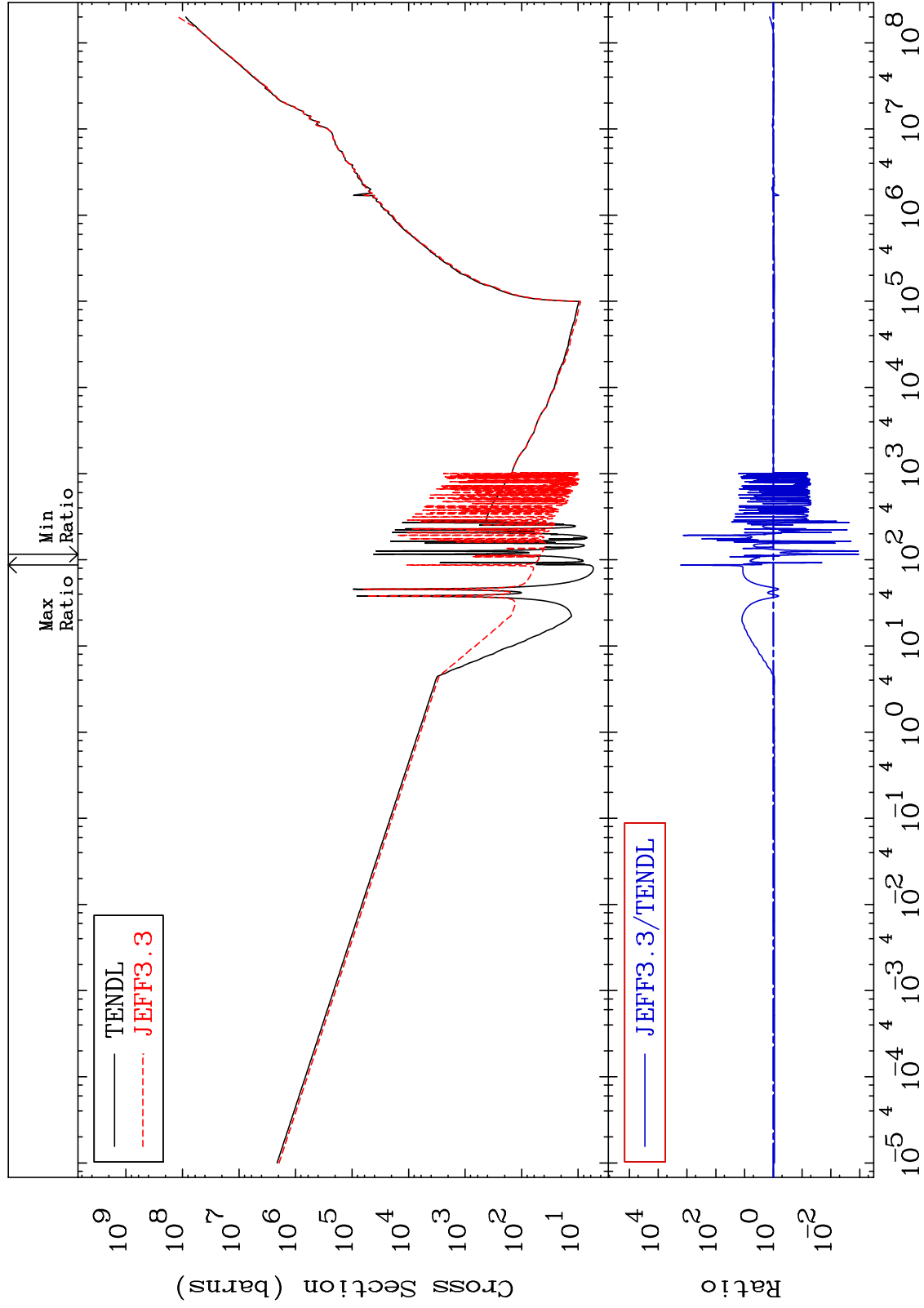
MAT 6631

Kerma non-elastic (all but mt2)

66-Dy-158

-99.89 To 9999. %

Cross Section



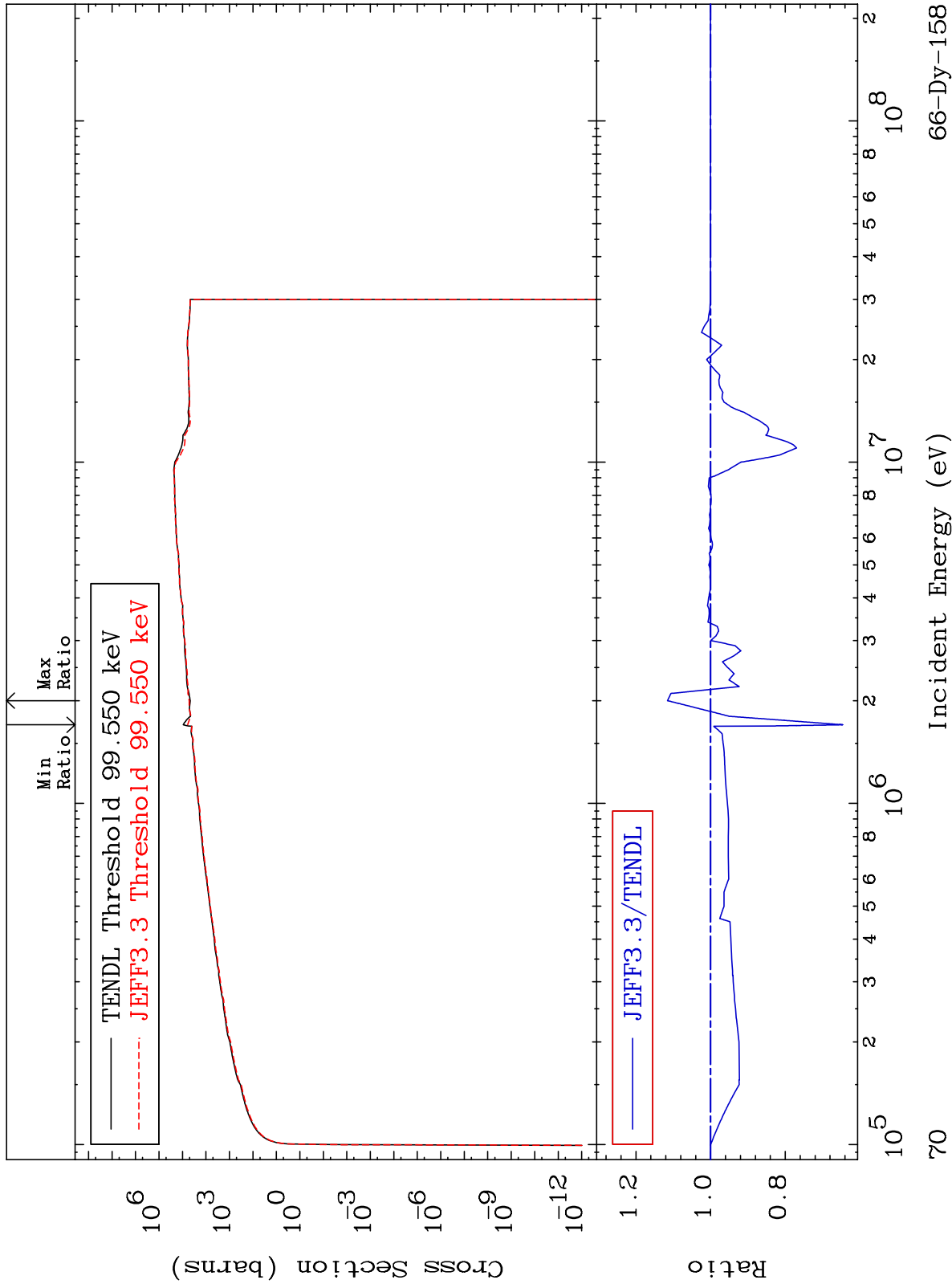
69

66-Dy-158

MAT 6631

Kerma inelastic (mt51-91)
Cross Section

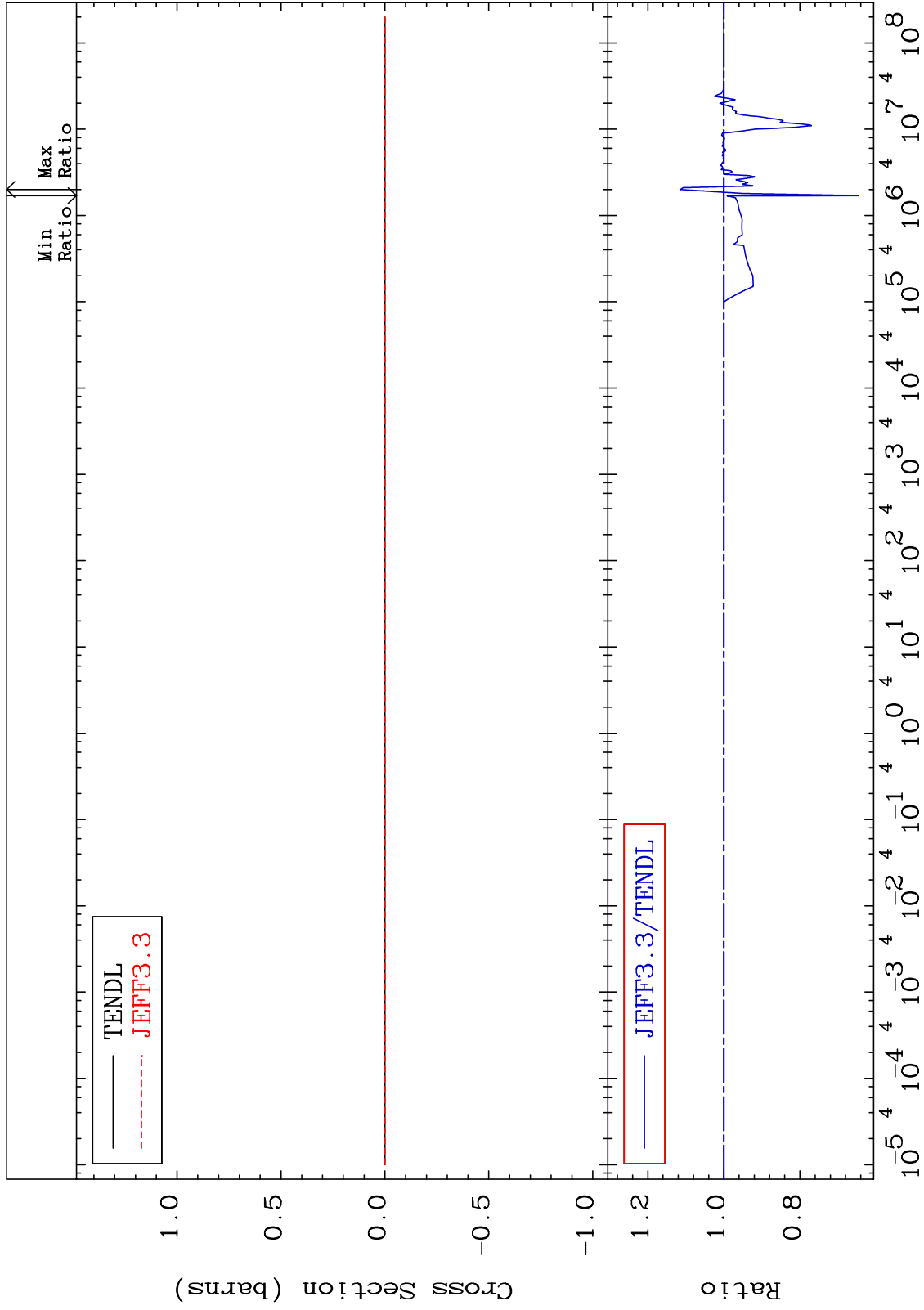
66-Dy-158
-35.37 To 11.54 %



MAT 6631

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

66-Dy-158
-35.37 To 11.54 %



71

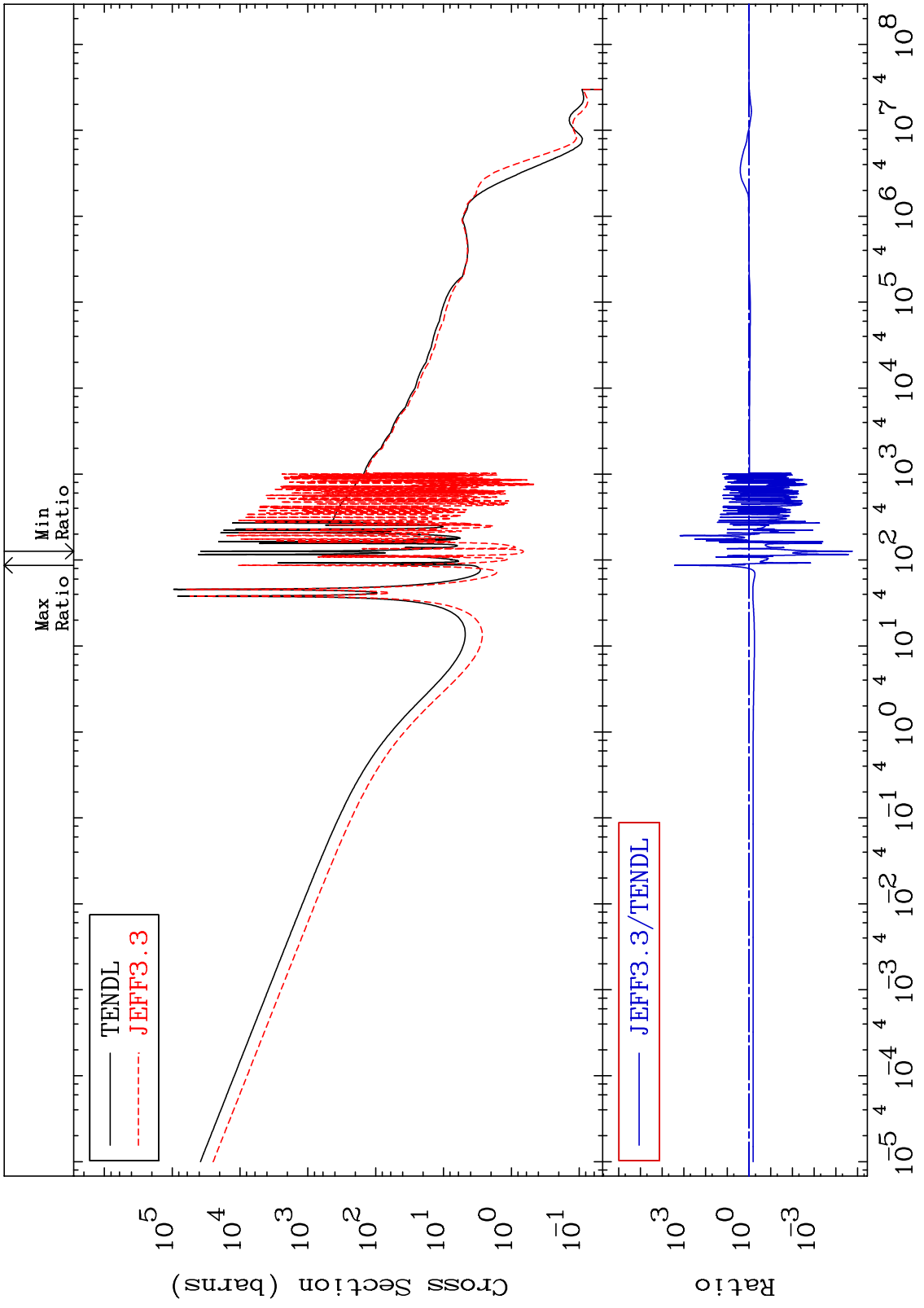
Incident Energy (eV)

66-Dy-158

MAT 6631

Kerma capture (mt102)
Cross Section

66-Dy-158
-100.0 To 9999. %



72

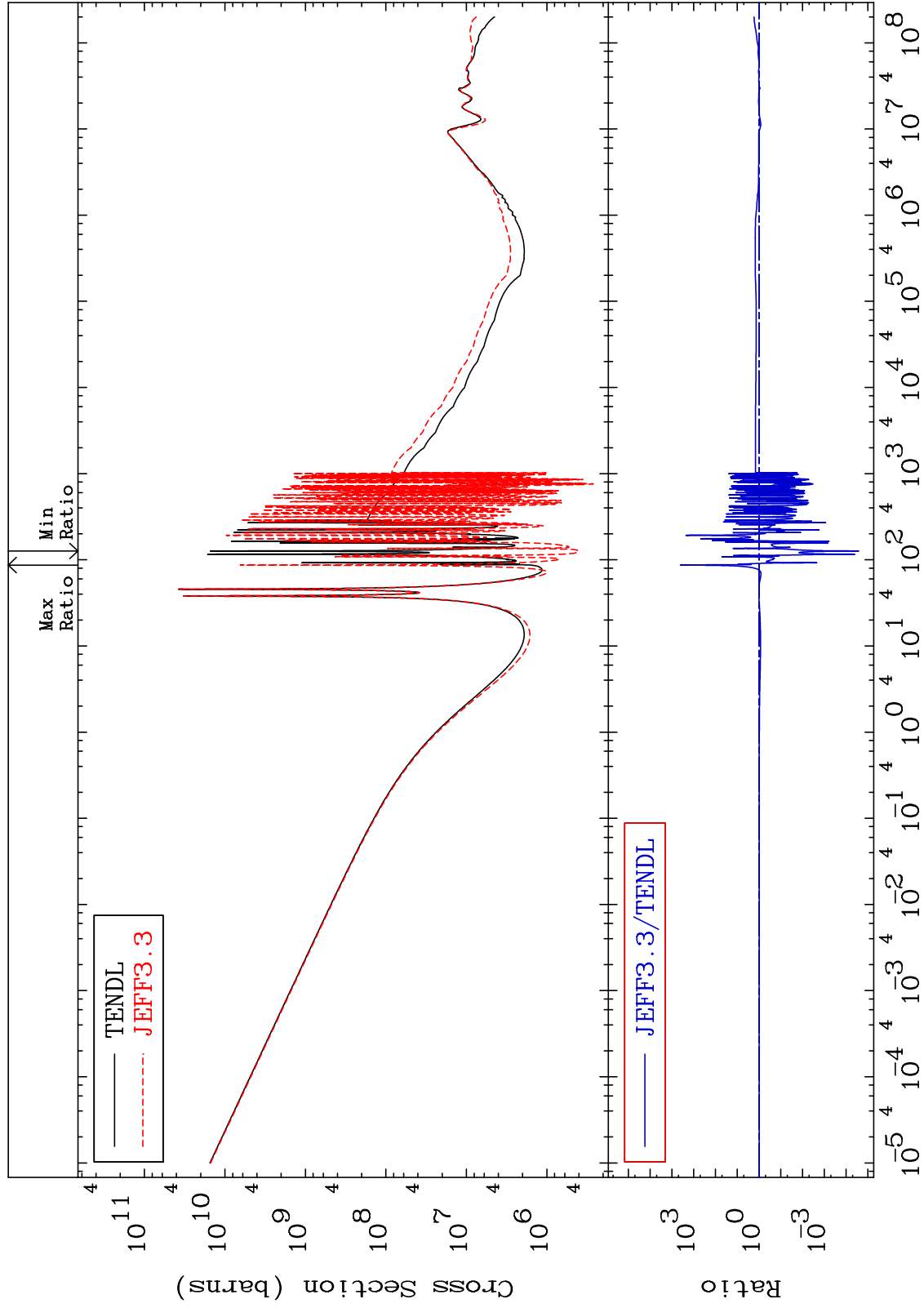
Incident Energy (eV)

66-Dy-158

MAT 6631

Total photon (eV-barns)
Cross Section

66-Dy-158
-100.0 To 9999. %



73

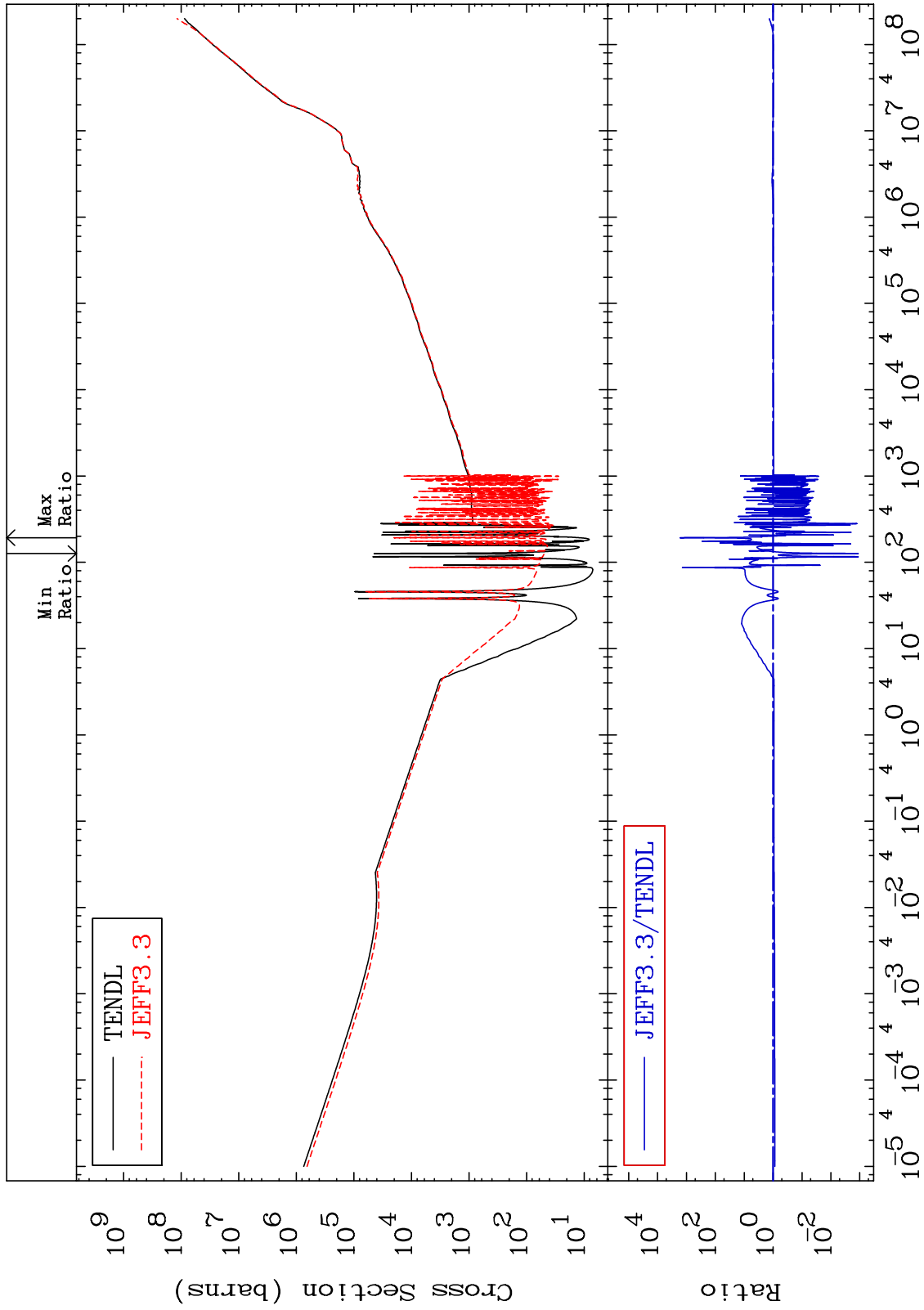
Incident Energy (eV)

66-Dy-158

MAT 6631

Total kinematic kerma (high limit)
Cross Section

66-Dy-158
-99.89 To 9999. %



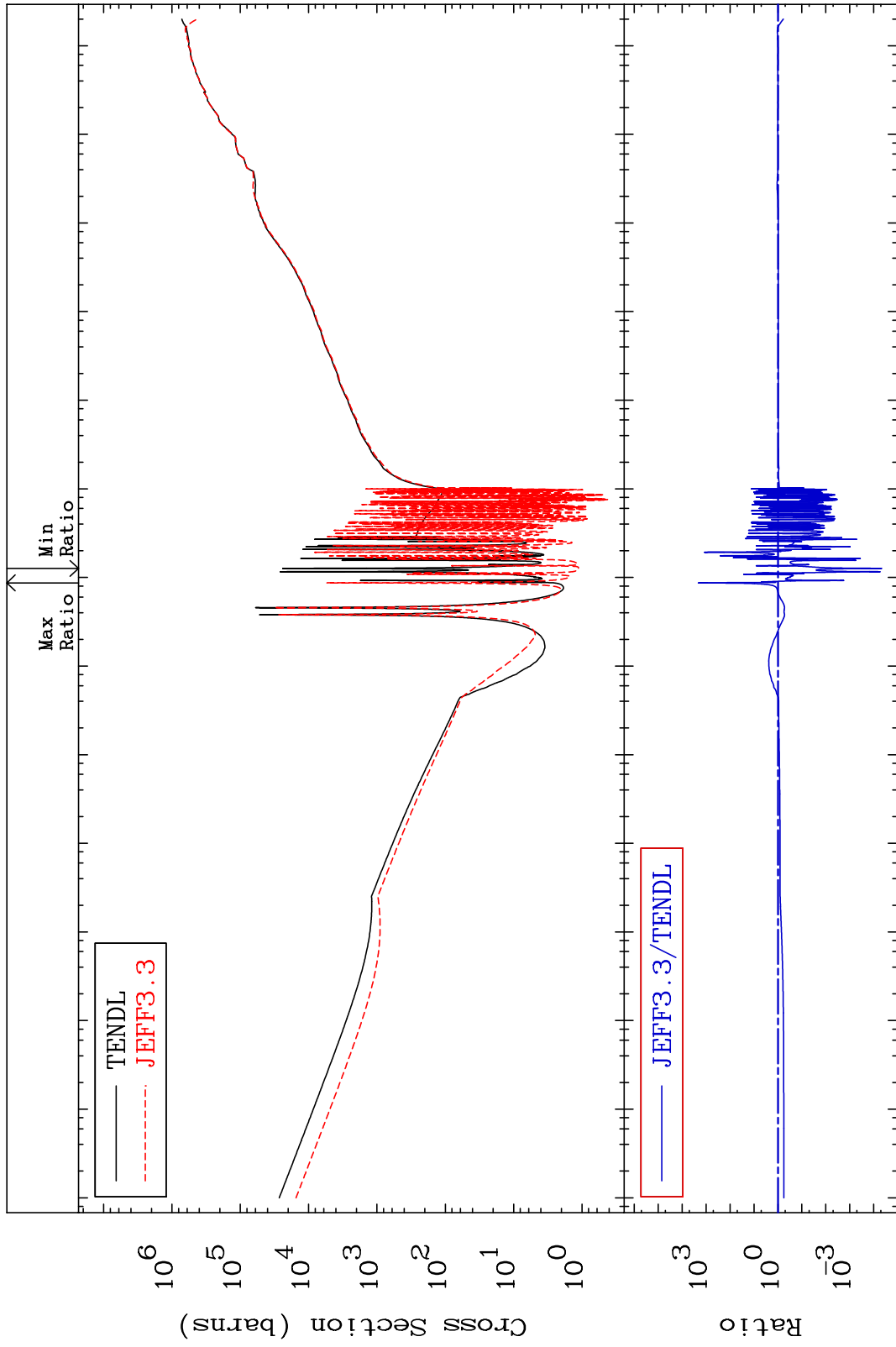
MAT 6631

Dpa total (eV-barns)

66-Dy-158

-100.0 To 9999. %

Cross Section



Max Ratio

Min Ratio

TENDL
JEFF3.3

JEFF3.3/TENDL

Incident Energy (eV)

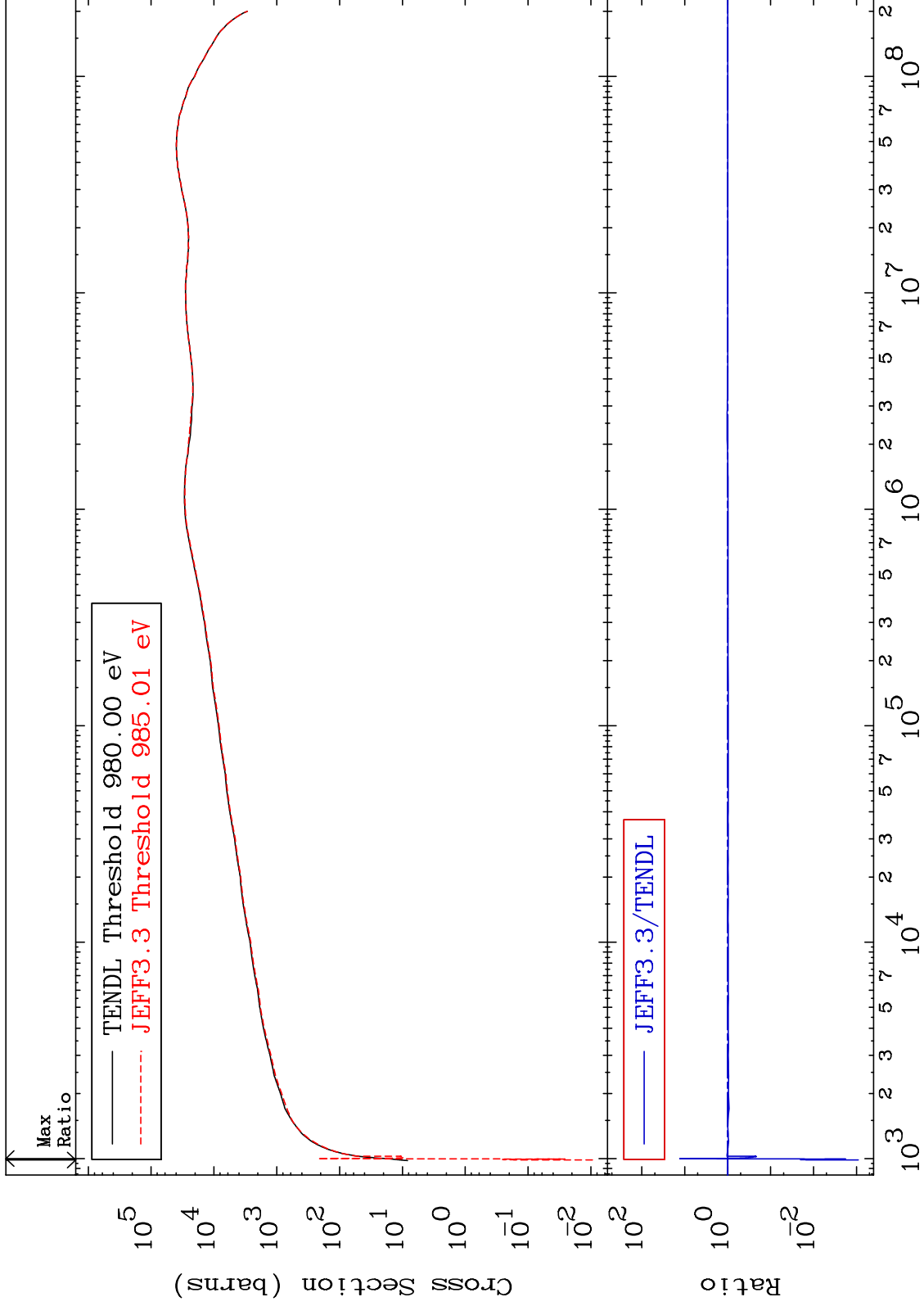
75

66-Dy-158

MAT 6631

Dpa elastic (mt2)
Cross Section

66-Dy-158
-99.91 To 1204. %



76

Incident Energy (eV)

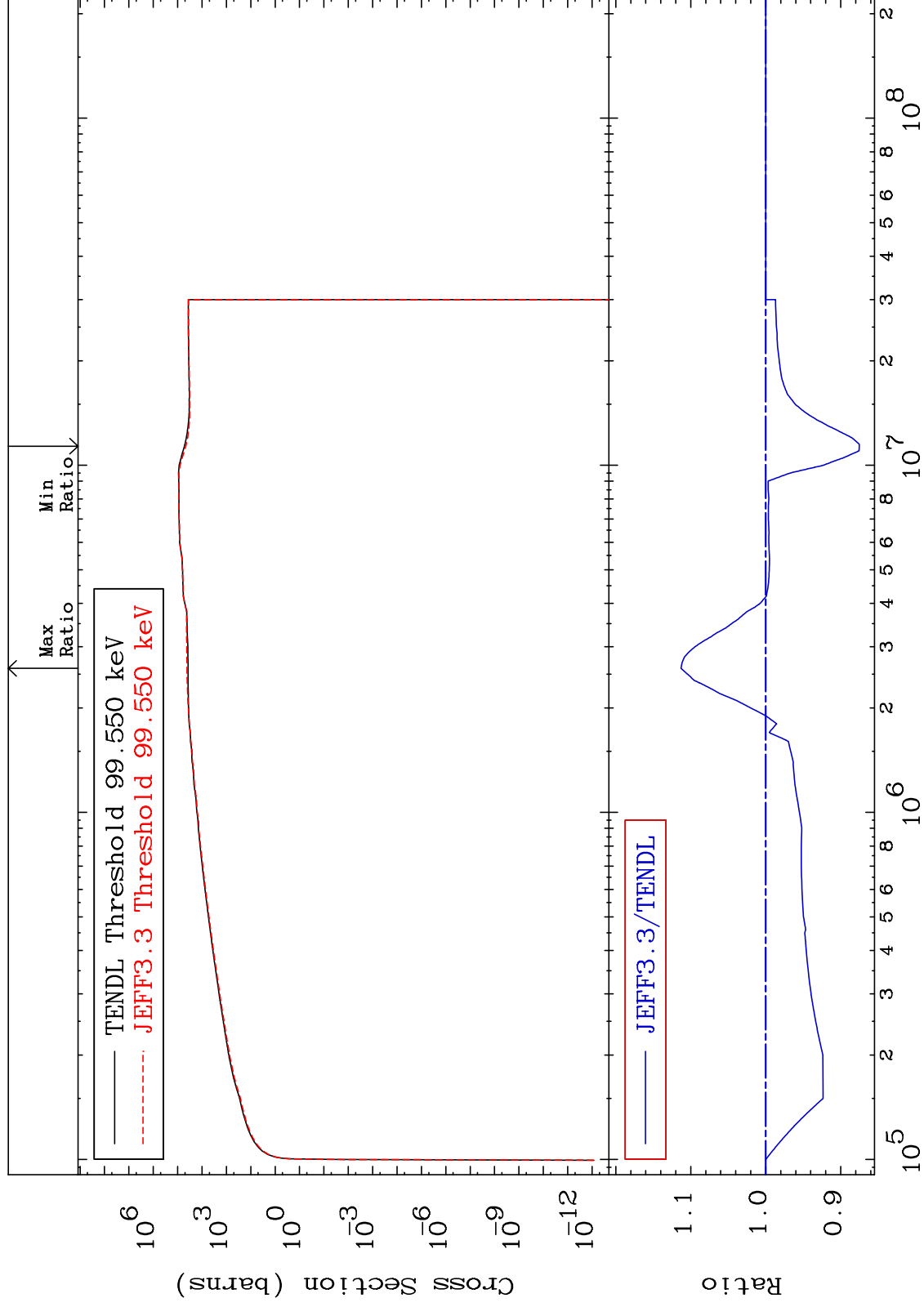
66-Dy-158

MAT 6631

Dpa inelastic (mt51-91)
Cross Section

66-Dy-158

-12.48 To 11.30 %



77

Incident Energy (eV)

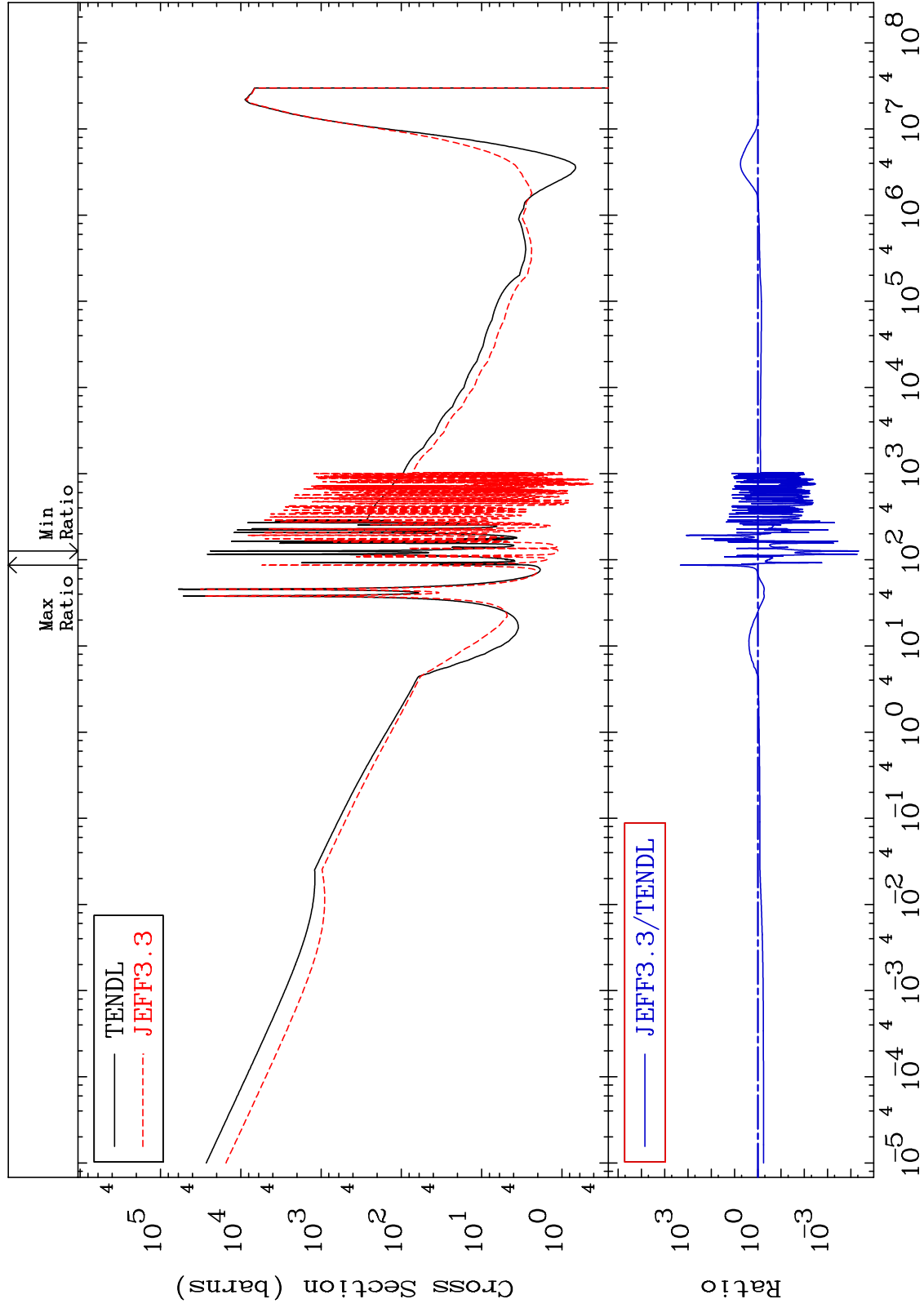
66-Dy-158

MAT 6631

Dpa disappearance (mt102 -120)

66-Dy-158

-100.0 To 9999. %



78

Incident Energy (eV)

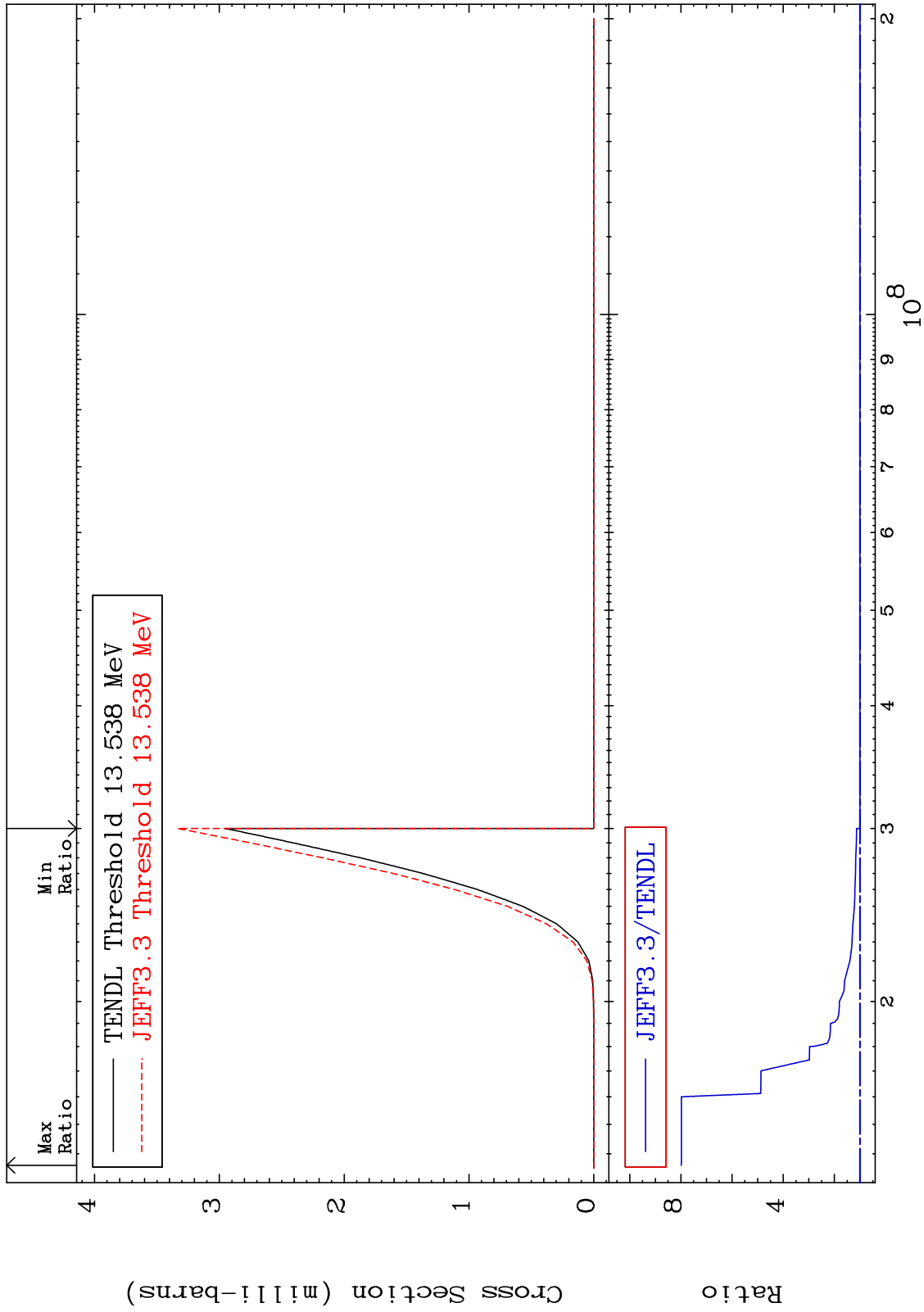
66-Dy-158

MAT 6631

(n, n') d:65-Tb-156g

66-Dy-158

Radionuclide Production Cross Section 0.000 To 698.7 %

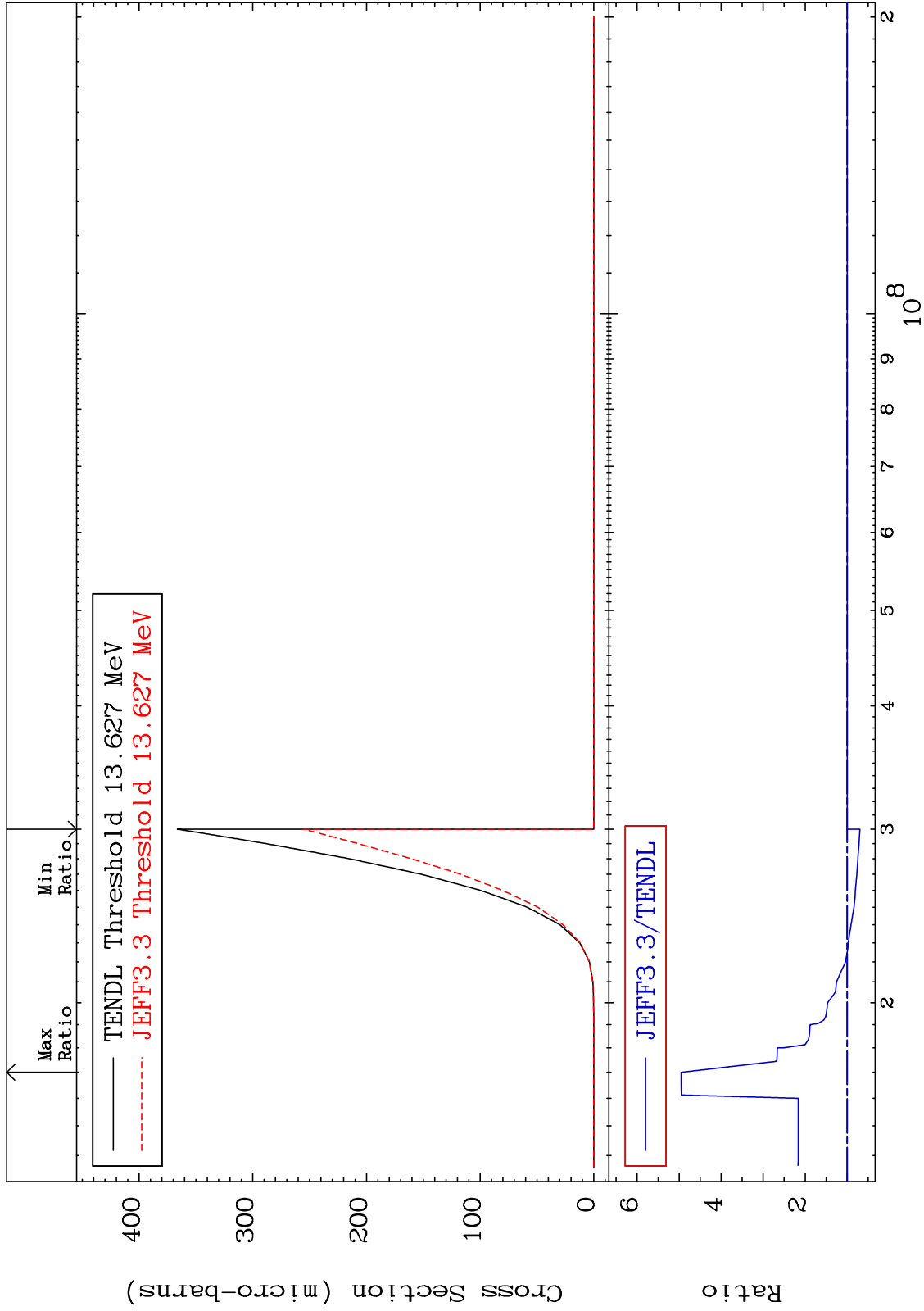


MAT 6631

(n, n') d: 65-Tb-156m3

66-Dy-158

Radionuclide Production Cross Section -30.30 To 395.0 %



80

Incident Energy (eV)

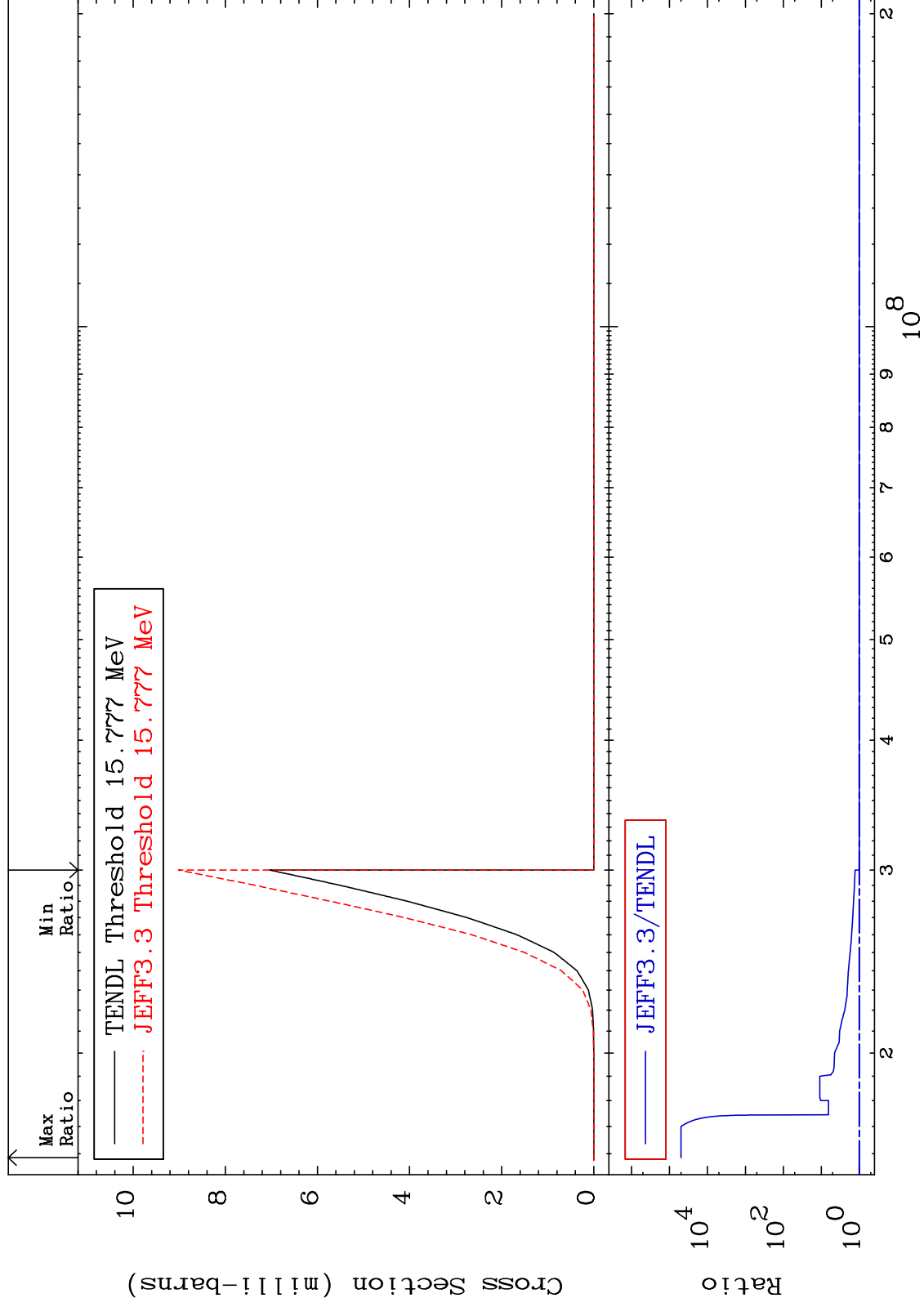
66-Dy-158

MAT 6631

(n,2n) p:65-Tb-156g

66-Dy-158

Radionuclide Production Cross Section 0.000 To 9999. %

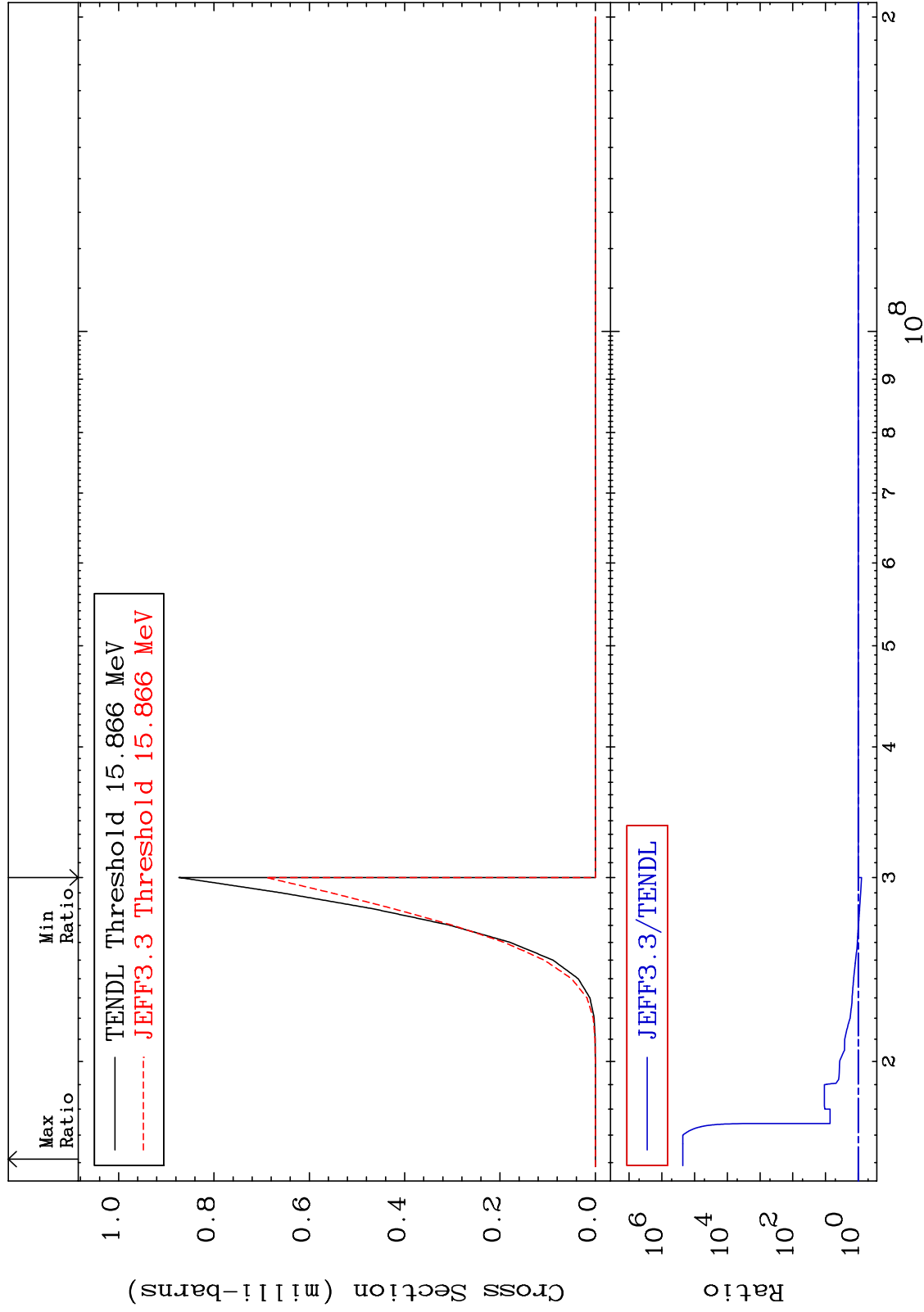


MAT 6631

(n,2n) p:65-Tb-156m3

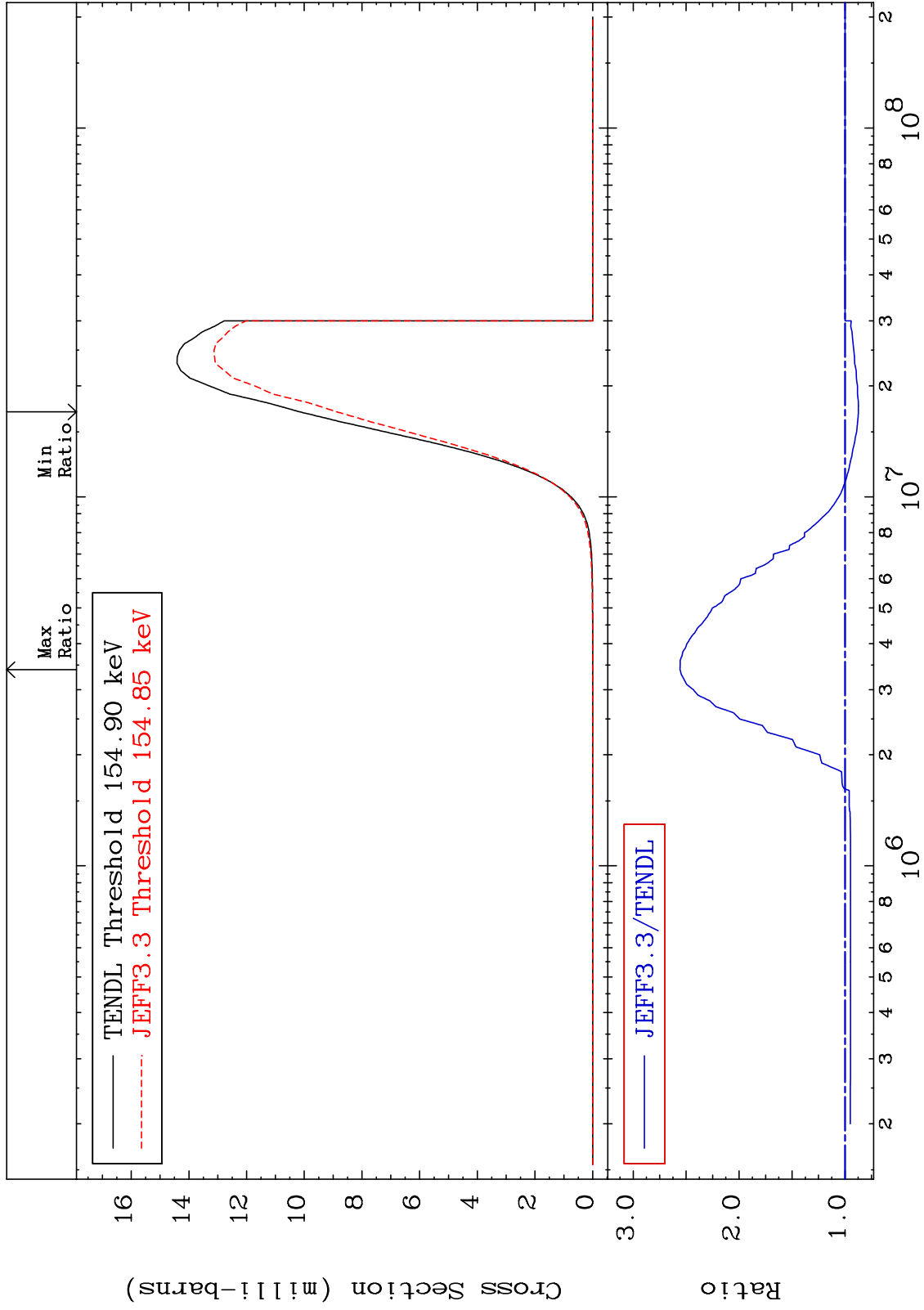
66-Dy-158

Radionuclide Production Cross Section -20.93 To 9999. %



MAT 6631

(n, p): 65-Tb-158g 66-Dy-158
Radionuclide Production Cross Section -12.70 To 155.8 %



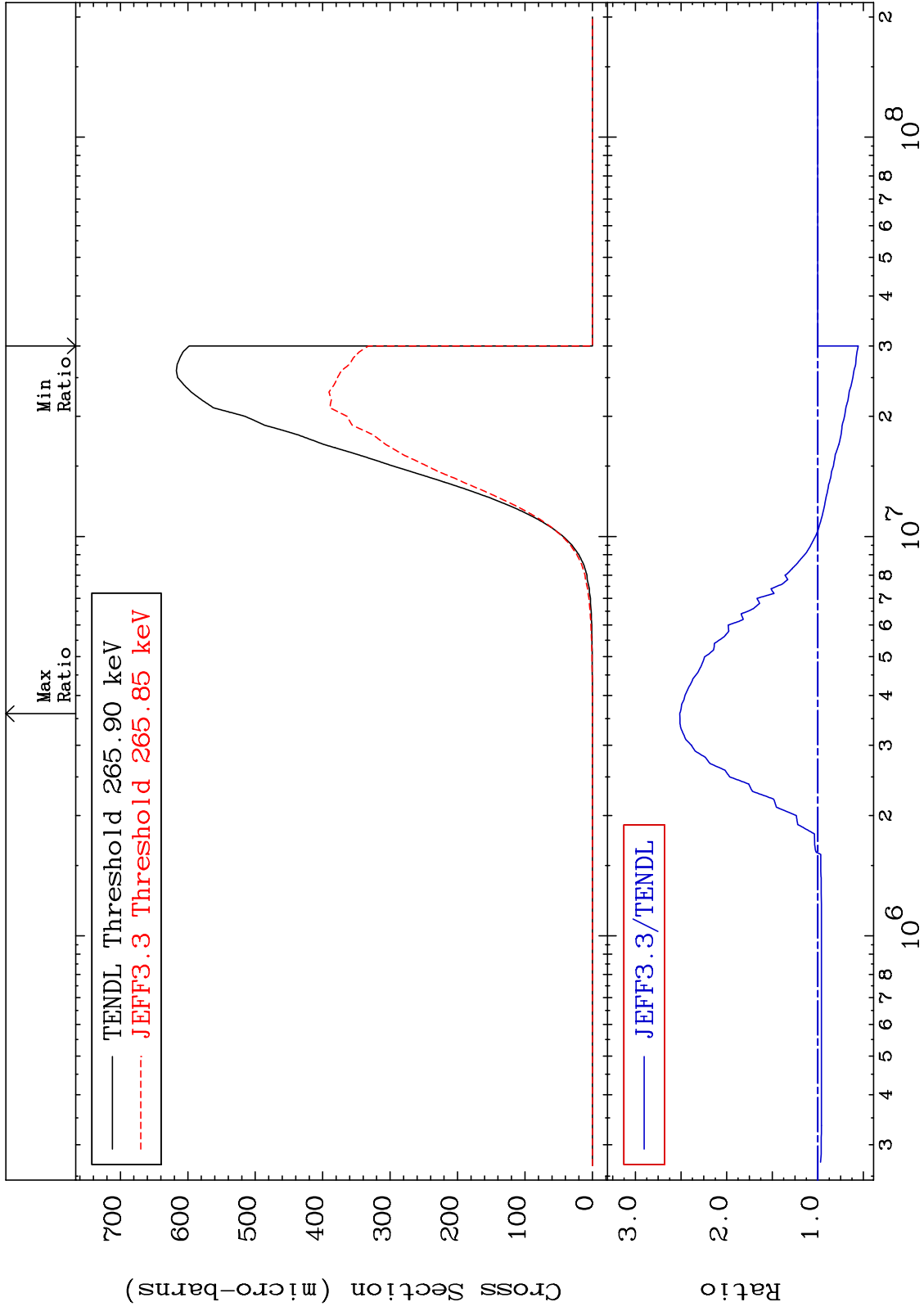
MAT 6631

(n, p) : 65-Tb-158m3

66-Dy-158

Radionuclide Production Cross Section

-44.46 To 151.3 %

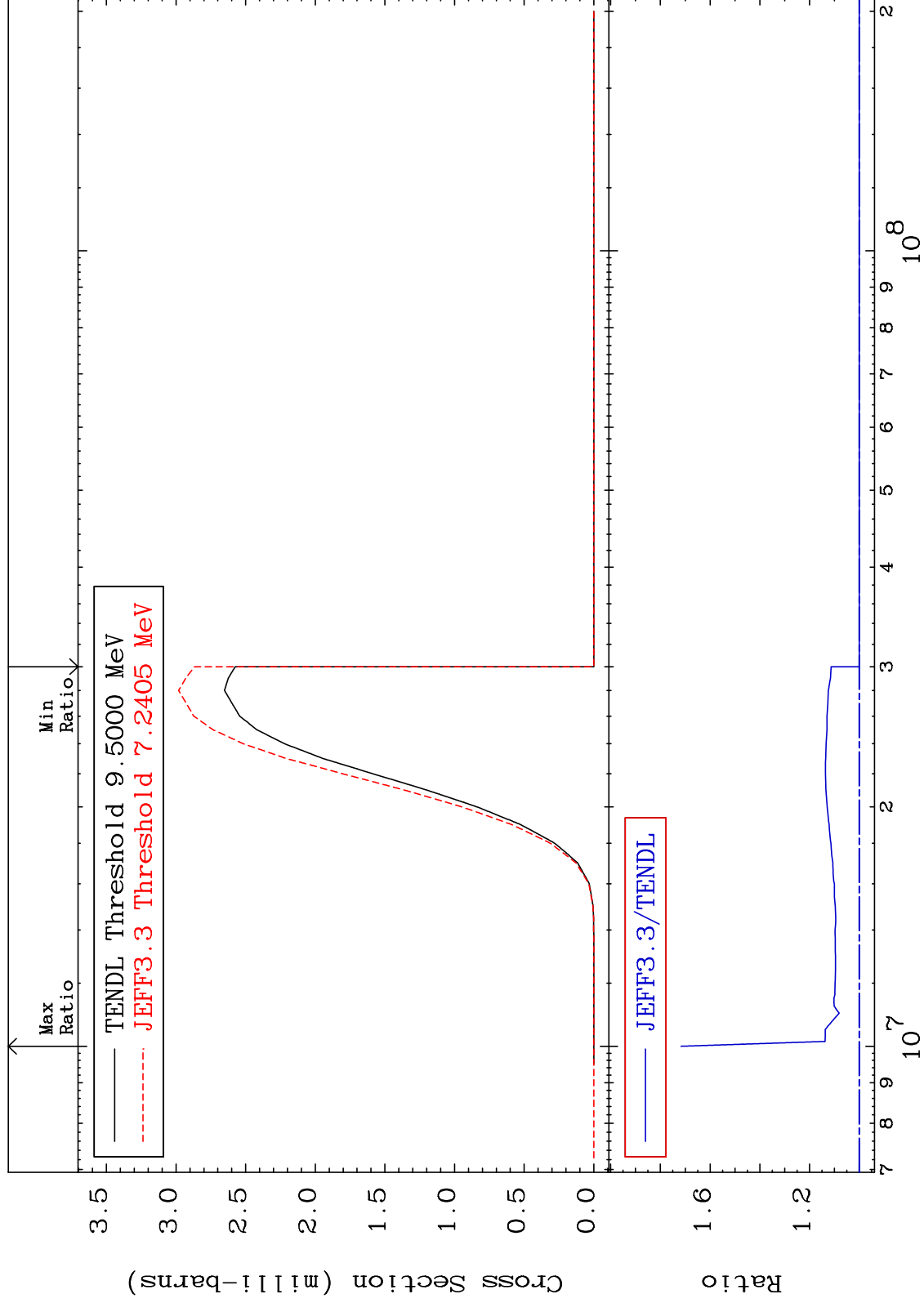


MAT 6631

(n, t): 65-Tb-156g

66-Dy-158

Radionuclide Production Cross Section 0.000 To 71.68 %



85

Incident Energy (eV)

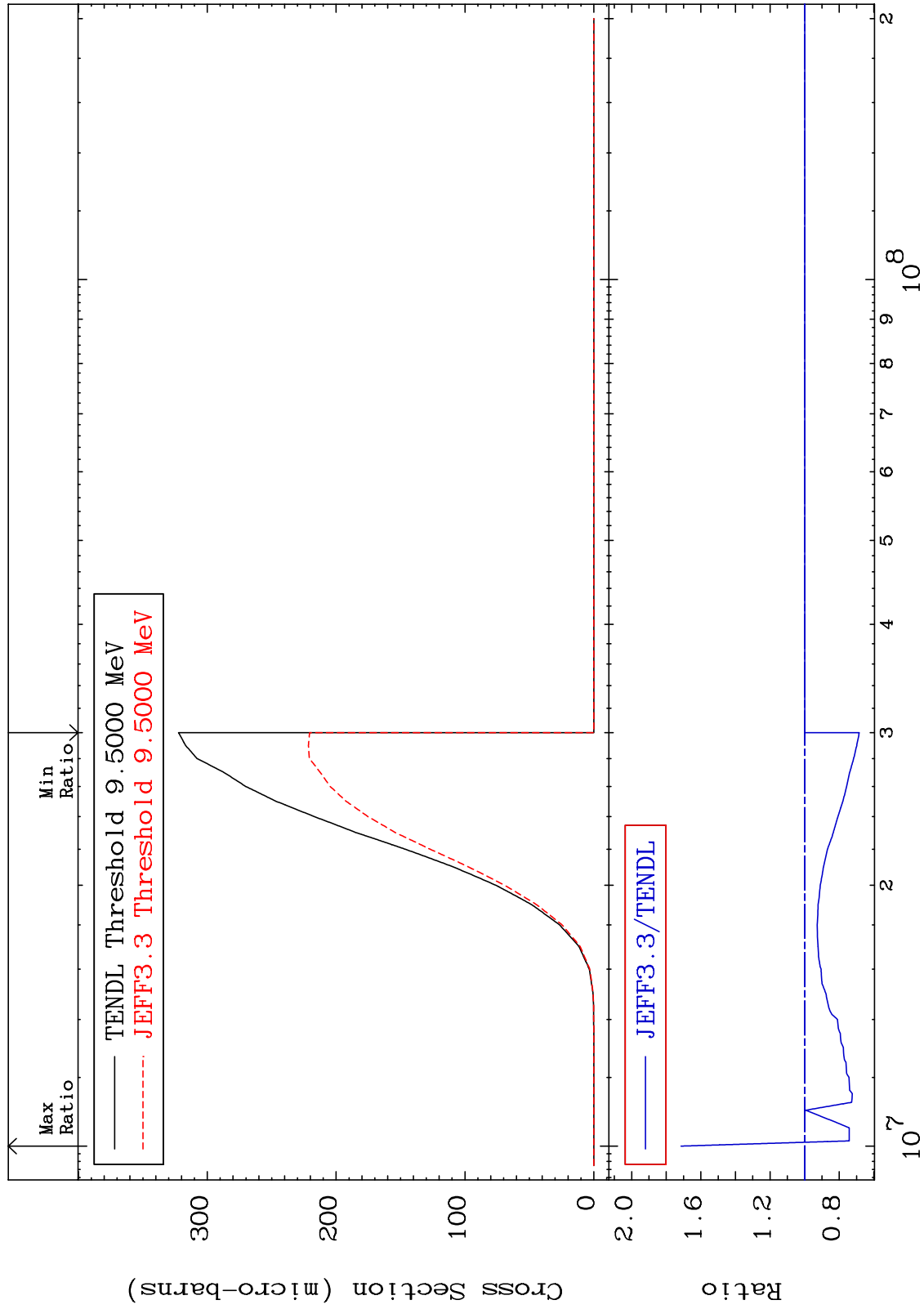
66-Dy-158

MAT 6631

(n, t) : 65-Tb-156m3

66-Dy-158

Radionuclide Production Cross Section -31.57 To 71.45 %



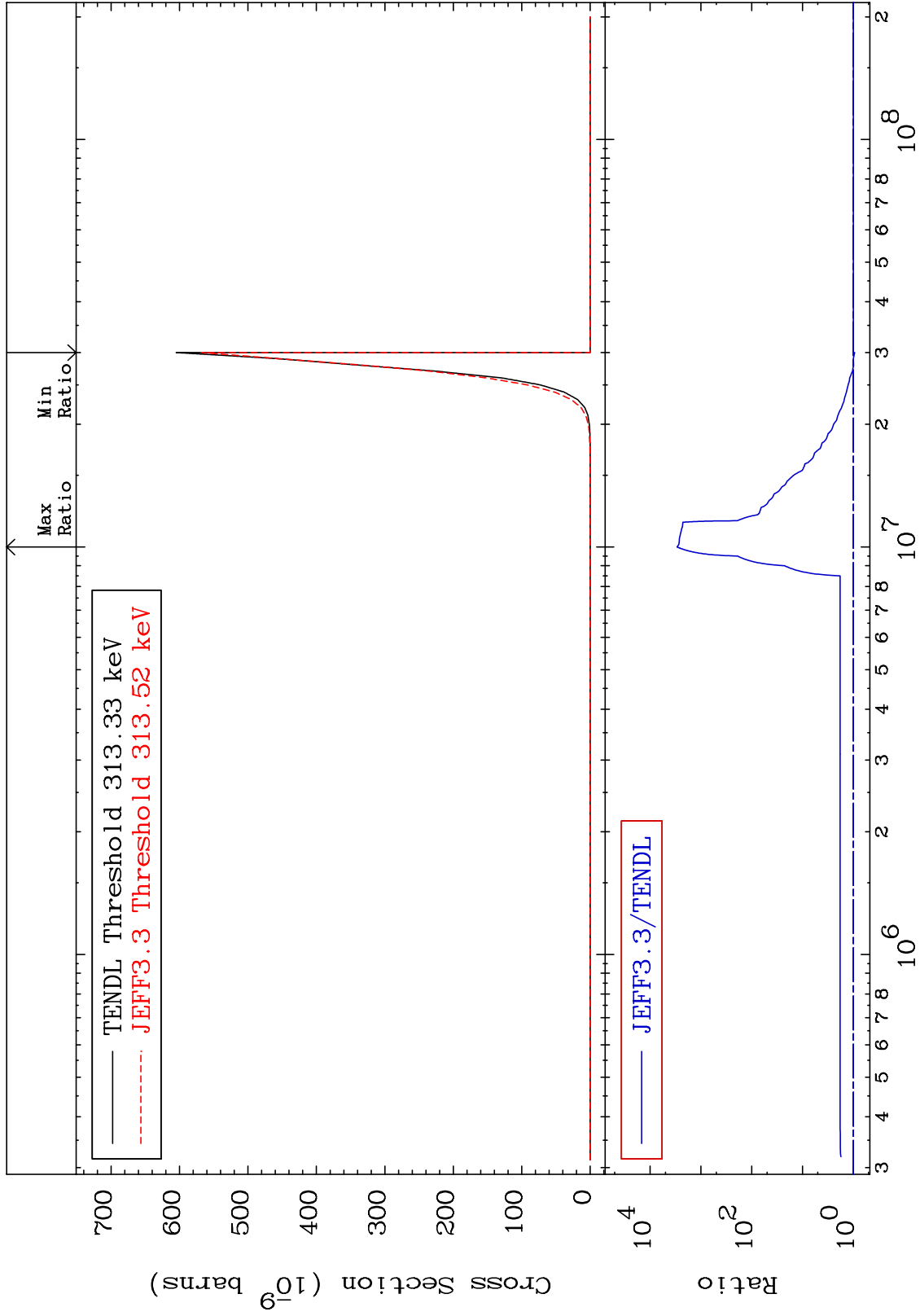
86

Incident Energy (eV)

66-Dy-158

MAT 6631

(n, p) α : 63-Eu-154g 66-Dy-158
Radionuclide Production Cross Section -6.074 To 9999. %



87

Incident Energy (eV)

66-Dy-158