

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

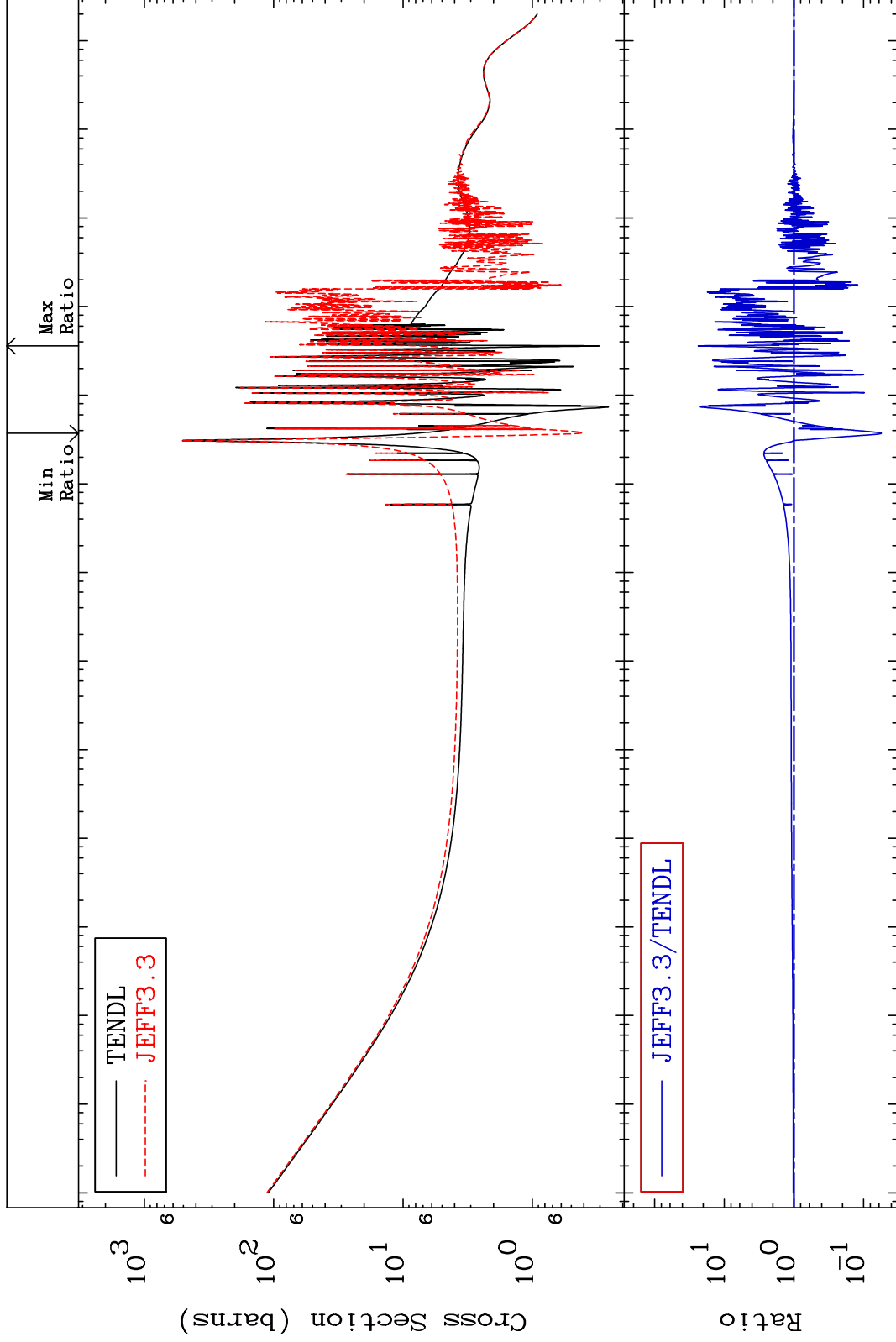
MAT 2228

Total

22-Ti-47

Cross Section

-94.48 To 2253. %



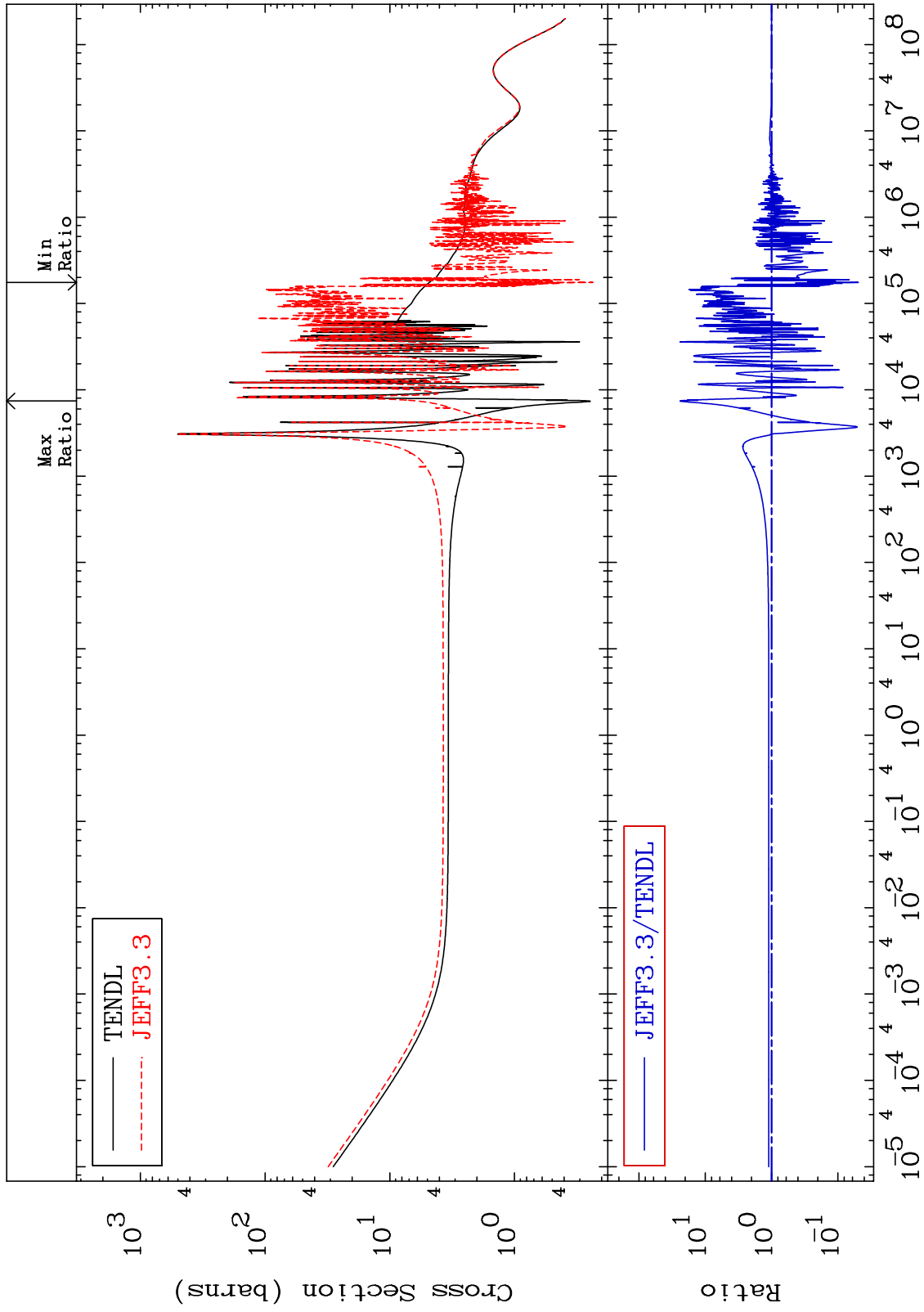
Incident Energy (eV)

22-Ti-47

MAT 2228

Elastic
Cross Section

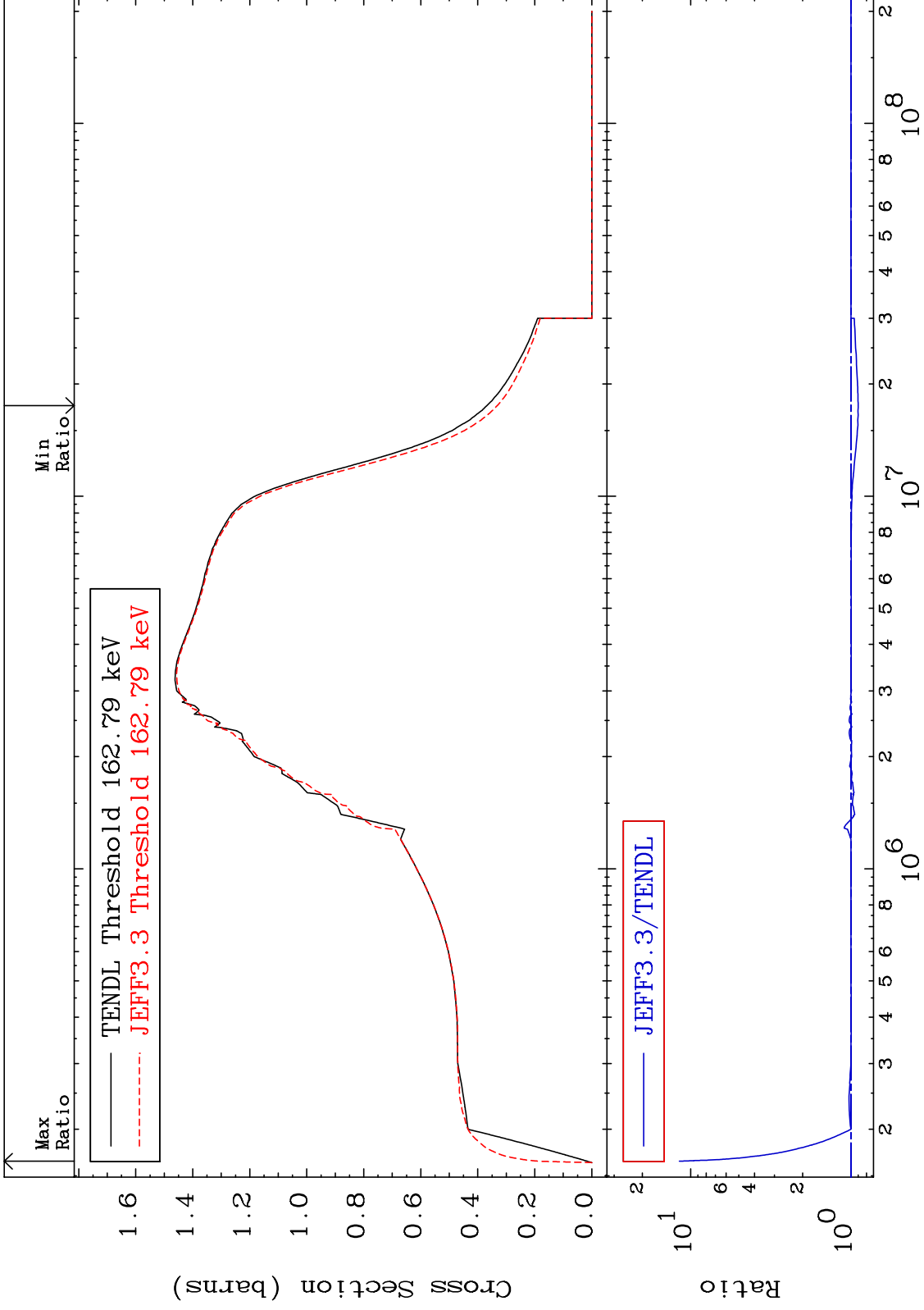
22-Ti-47
-95.11 To 2301. %



MAT 2228

Inelastic
Cross Section

22-Ti-47
-9.957 To 1076. %



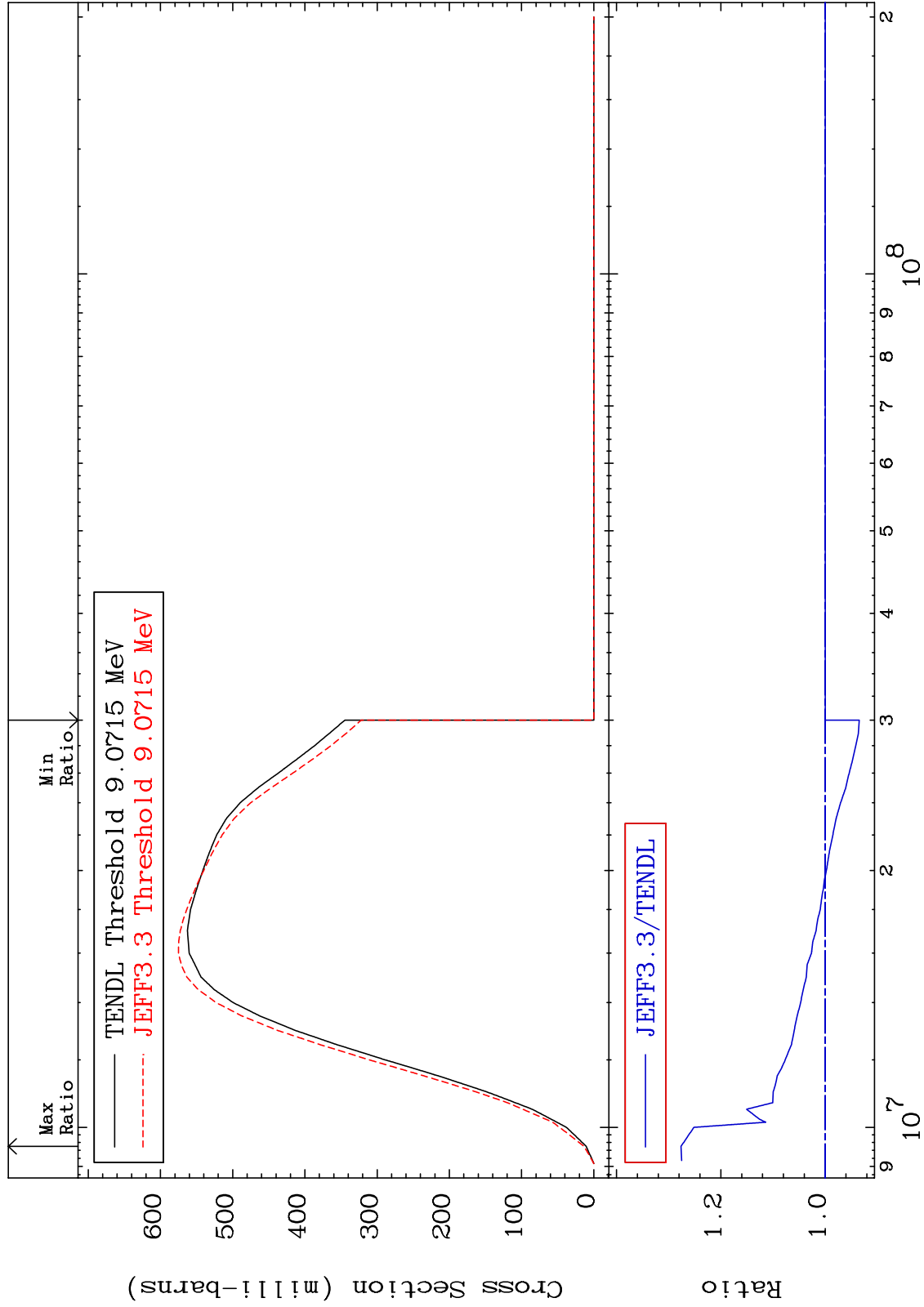
MAT 2228

(n, 2n)

22-Ti-47

Cross Section

-6.546 To 27.62 %



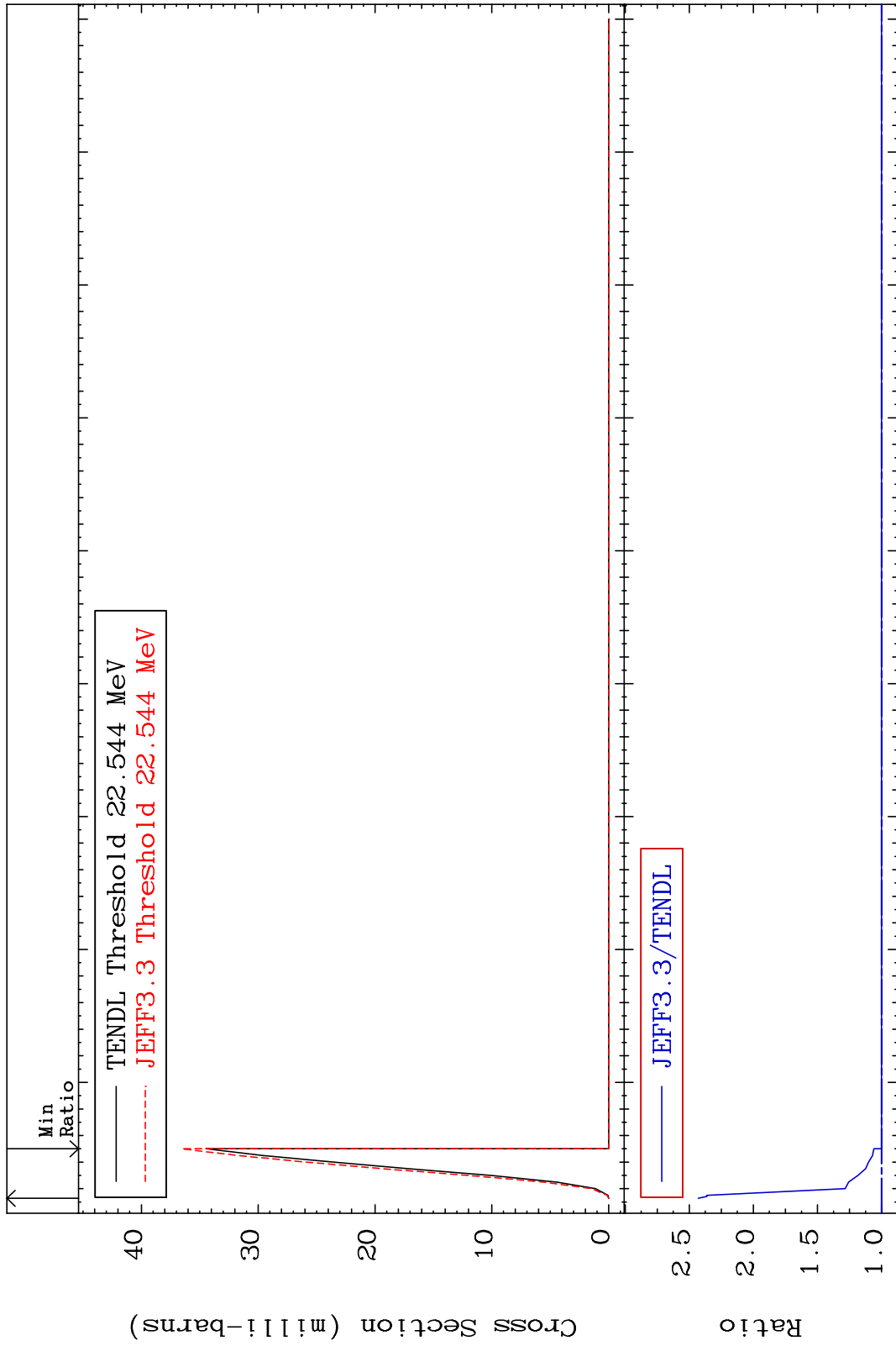
MAT 2228

(n,3n)

22-Ti-47

Cross Section

0.000 To 142.9 %



Incident Energy (MeV)

22-Ti-47

Incident Energy (MeV)

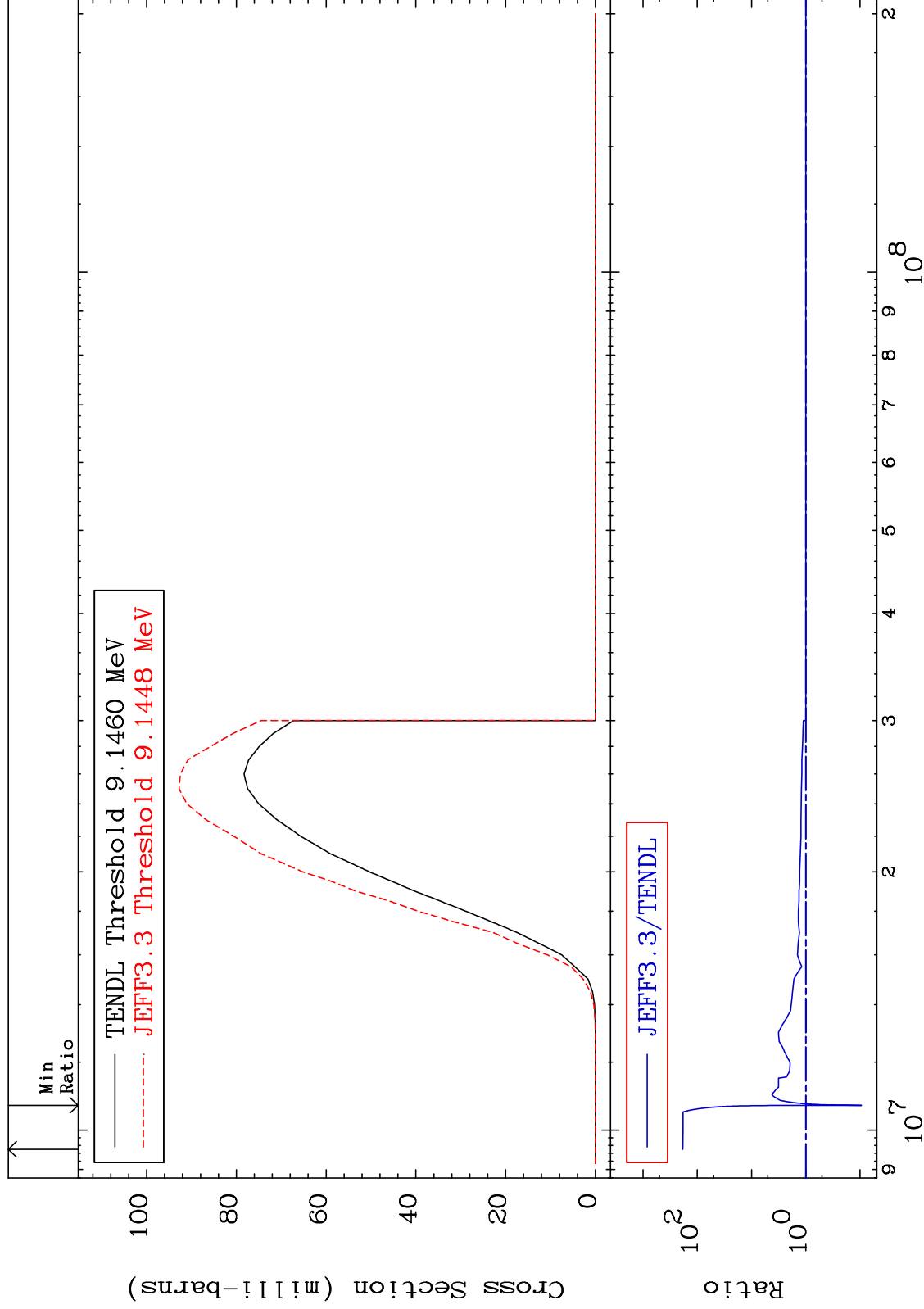
MAT 2228

(n,n') α

22-Ti-47

Cross Section

-90.65 To 9999. %



22-Ti-47

22-Ti-47

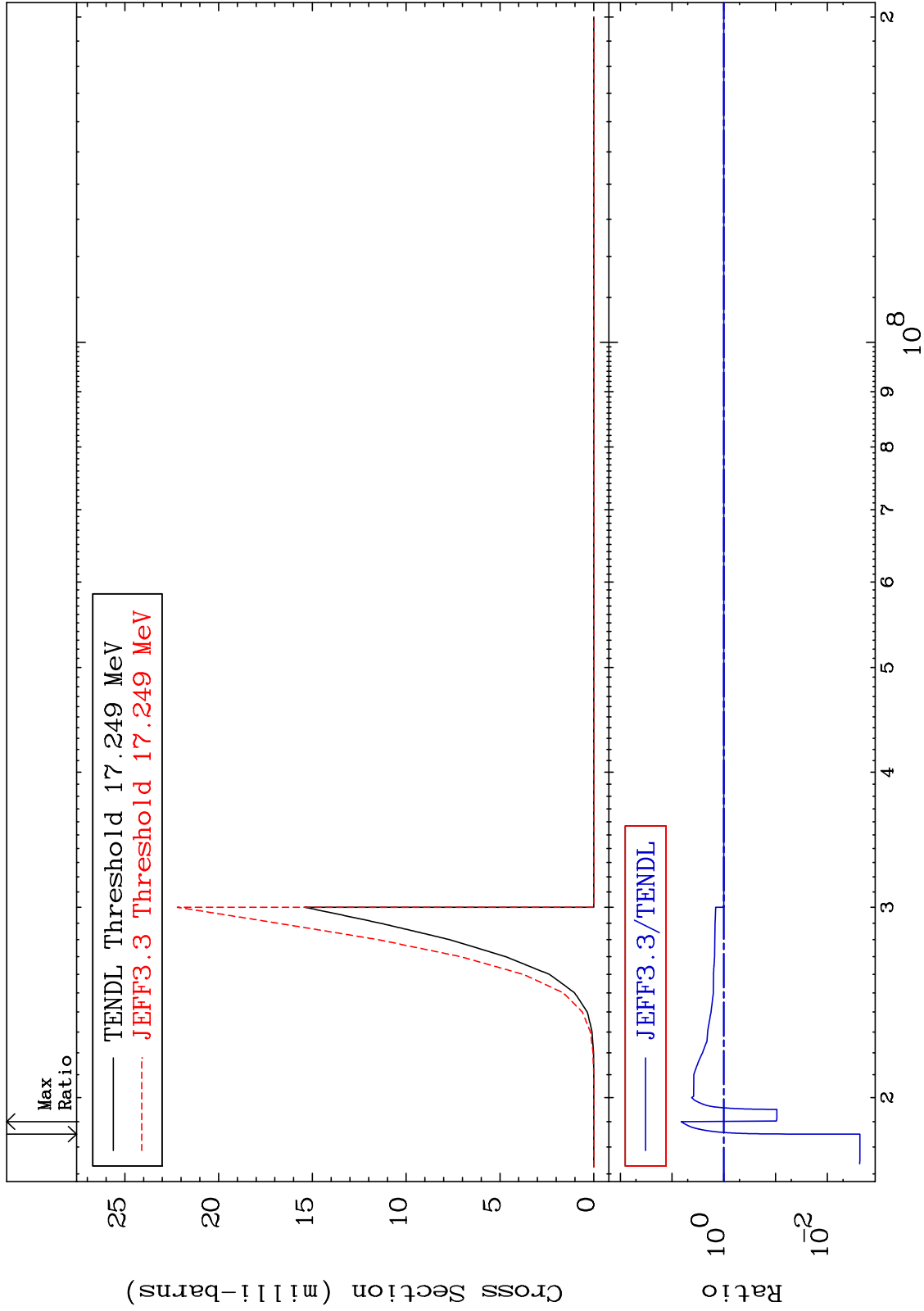
MAT 2228

(n,2n) α

22-Ti-47

Cross Section

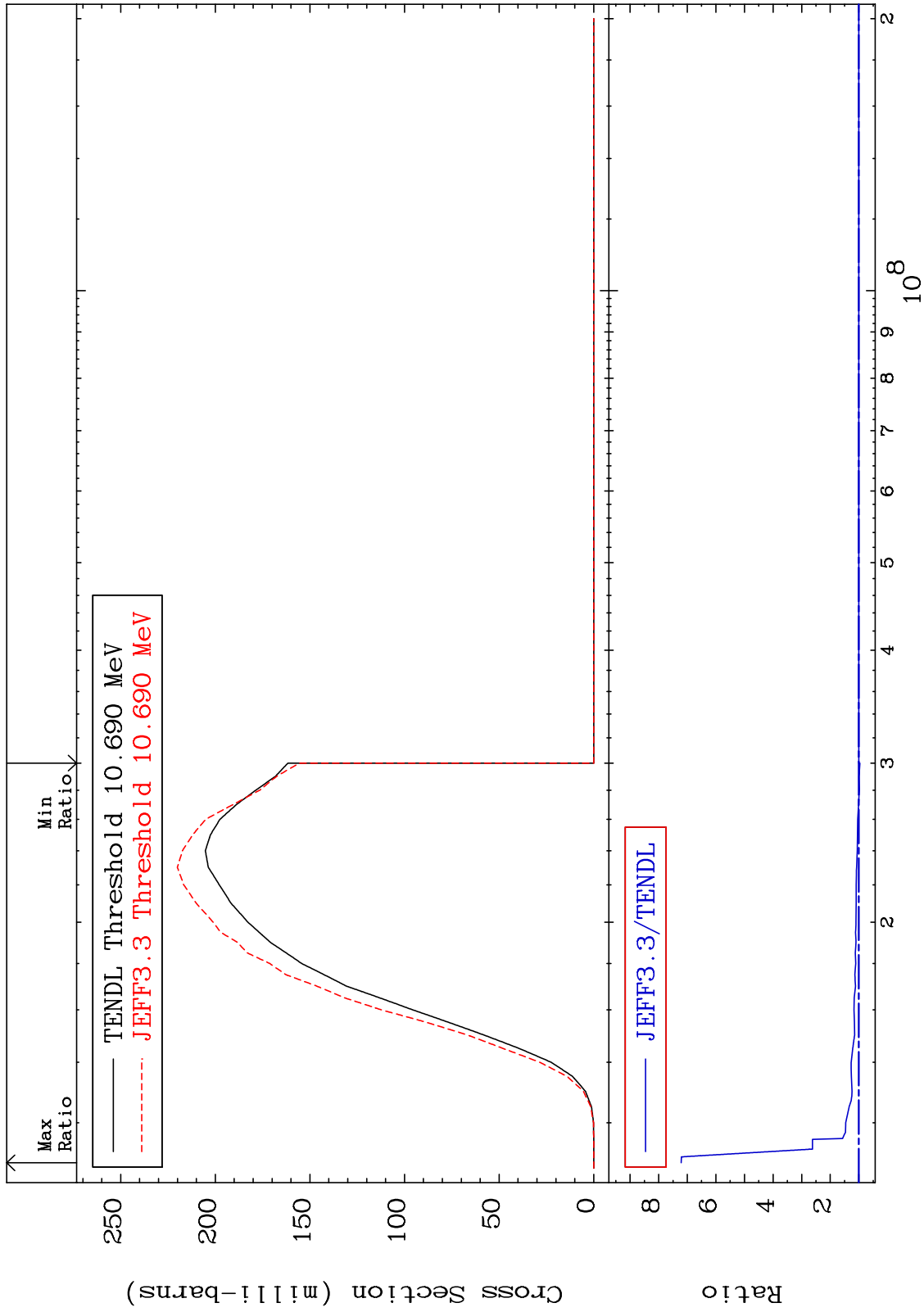
-99.76 To 565.8 %



MAT 2228

(n,n') p
Cross Section

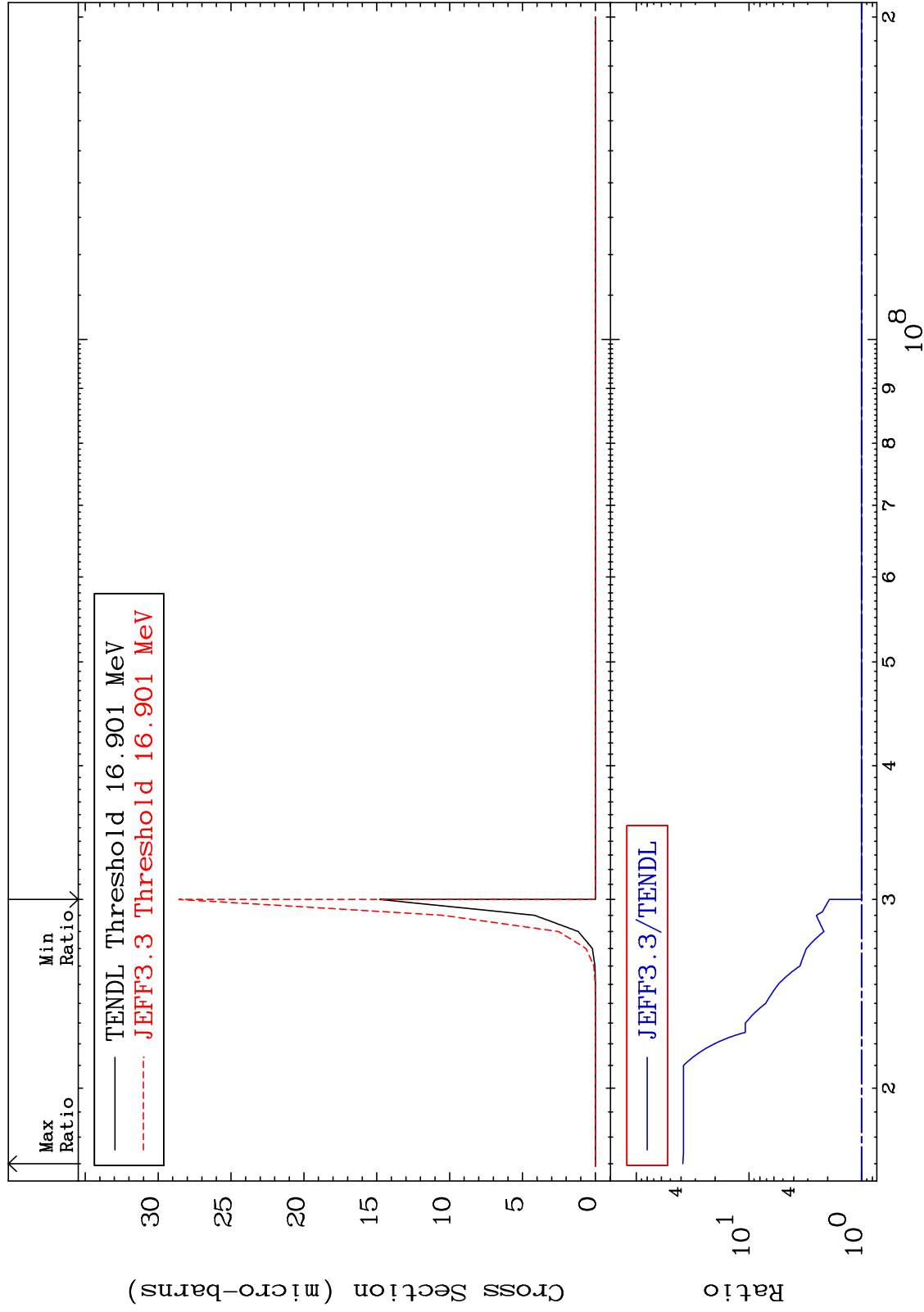
22-Ti-47
-3.743 To 621.2 %



MAT 2228

(n,n') 2α
Cross Section

22-Ti-47
0.000 To 3763. %



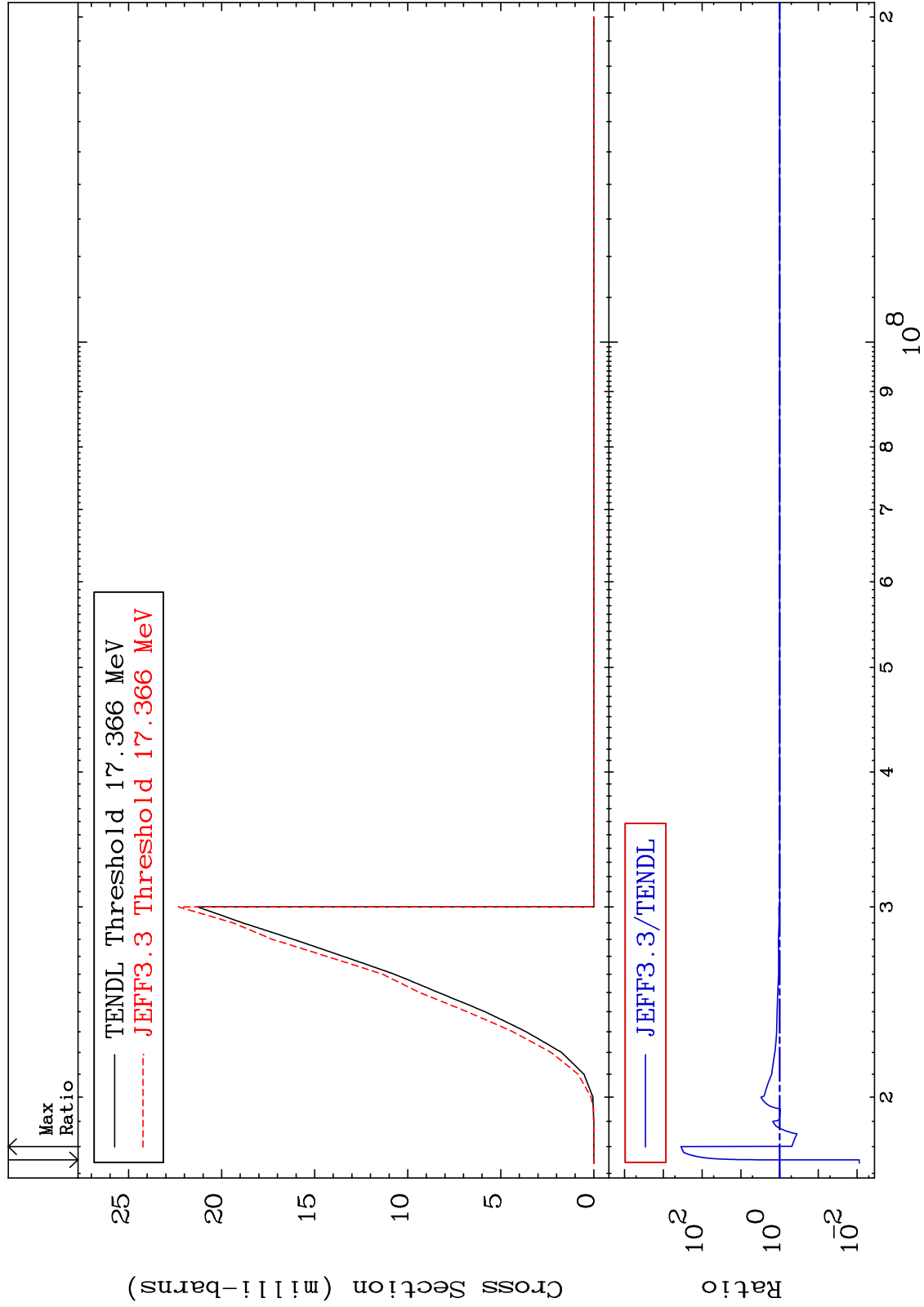
MAT 2228

(n,n') d

22-Ti-47

Cross Section

-99.12 To 9999. %



10

Incident Energy (eV)

22-Ti-47

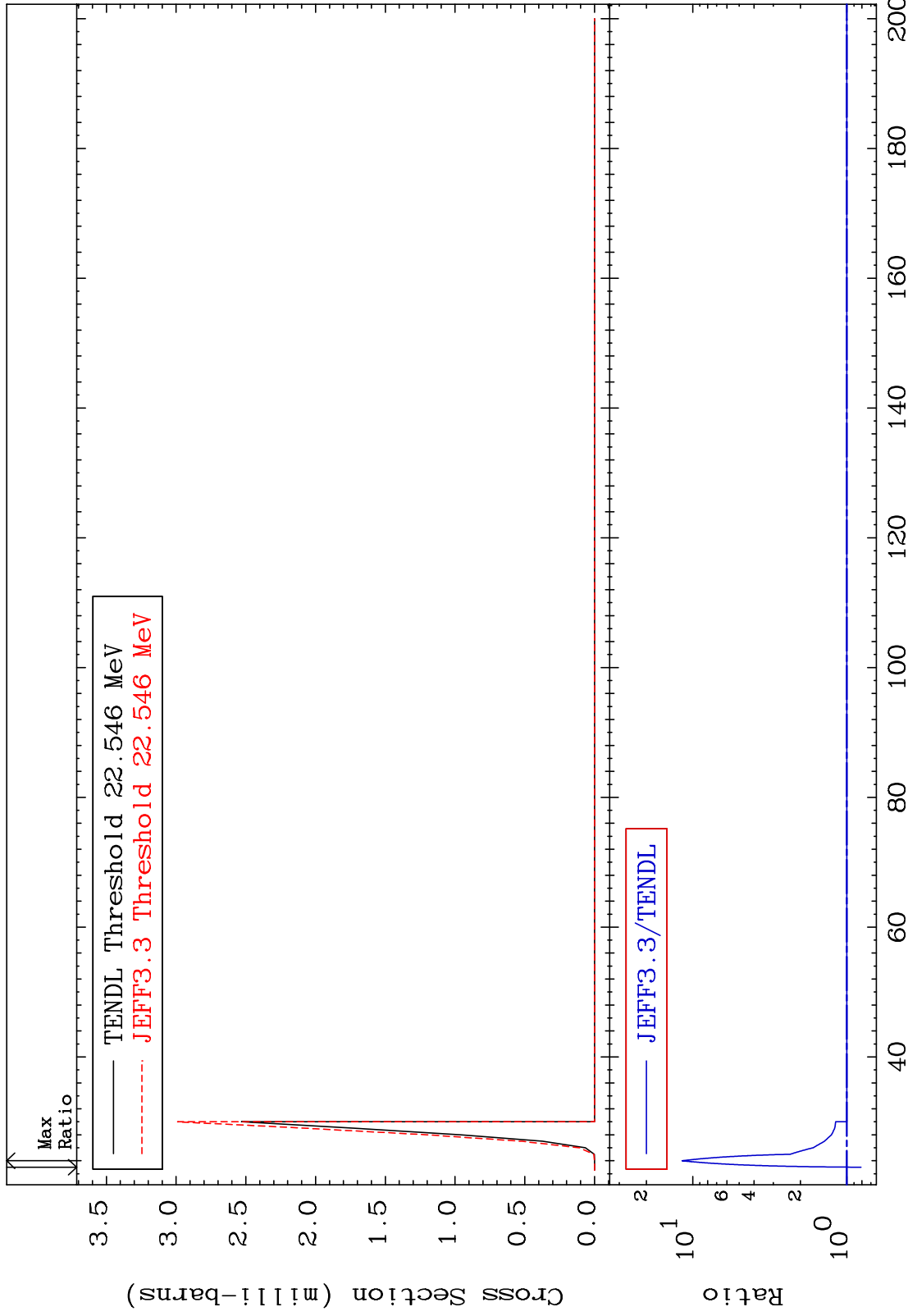
MAT 2228

(n,n') t

22-Ti-47

Cross Section

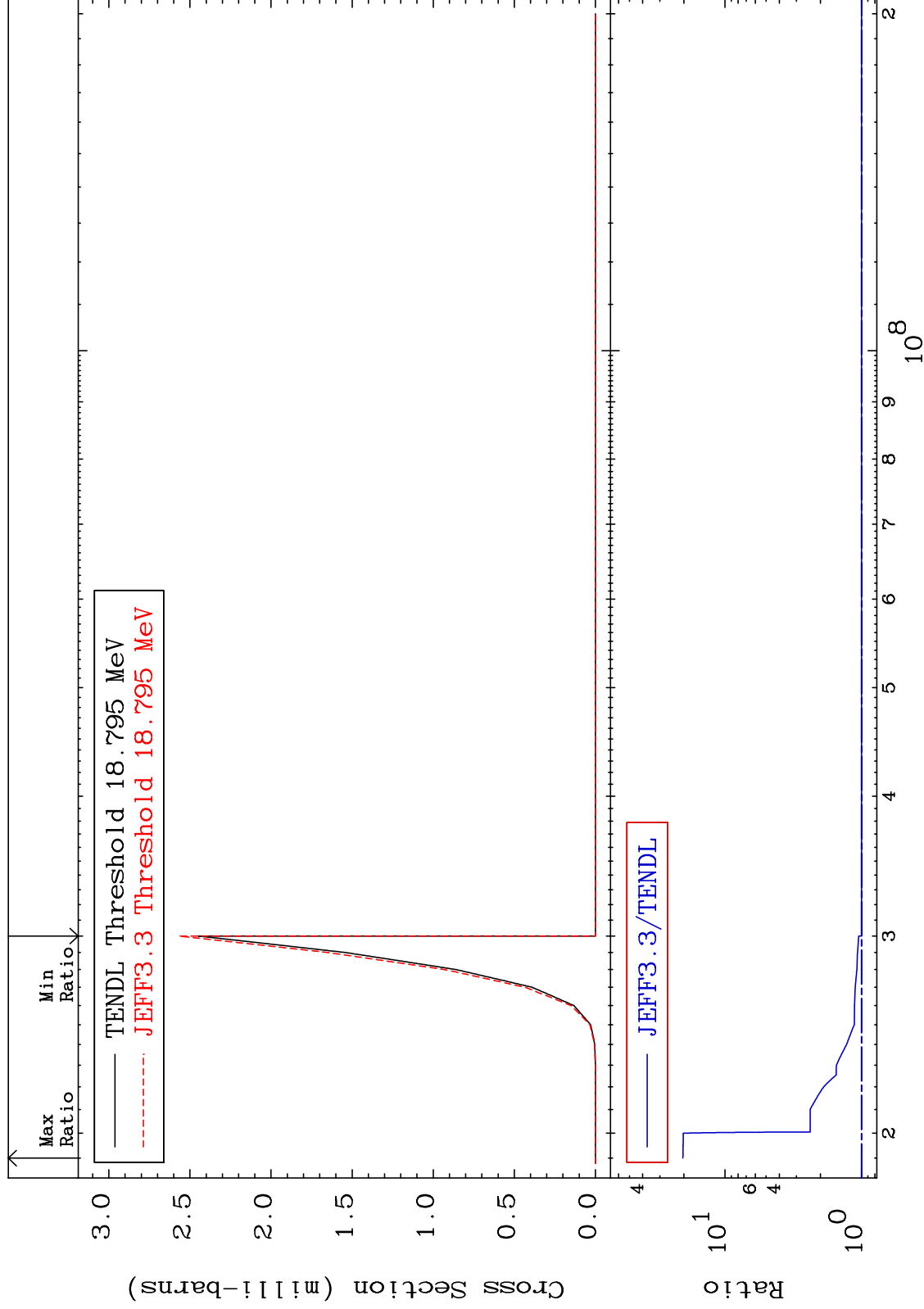
-19.10 To 1073. %



MAT 2228

(n,n') He-3
Cross Section

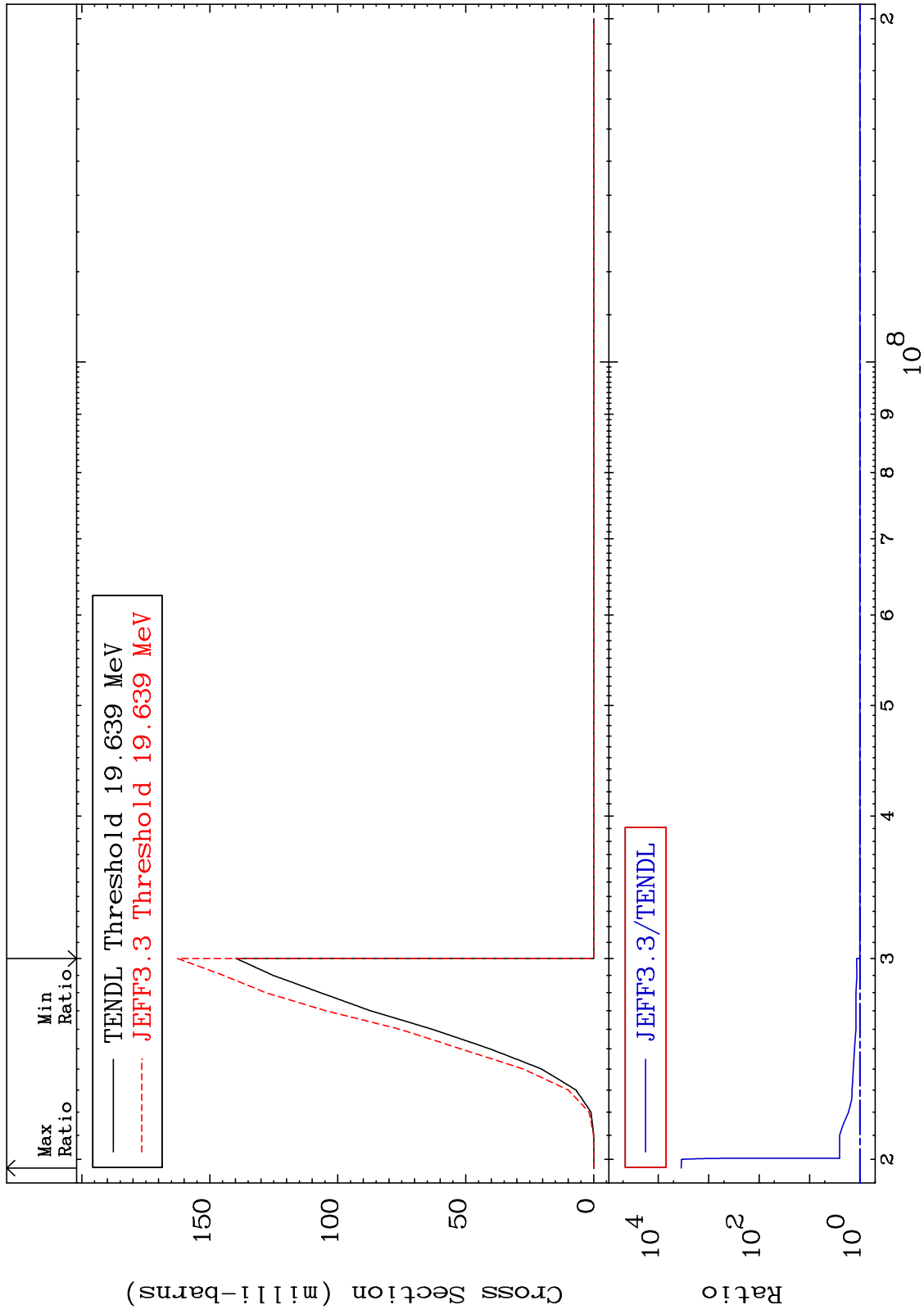
22-Ti-47
0.000 To 1932. %



MAT 2228

(n,2n) p
Cross Section

22-Ti-47
0.000 To 9999. %



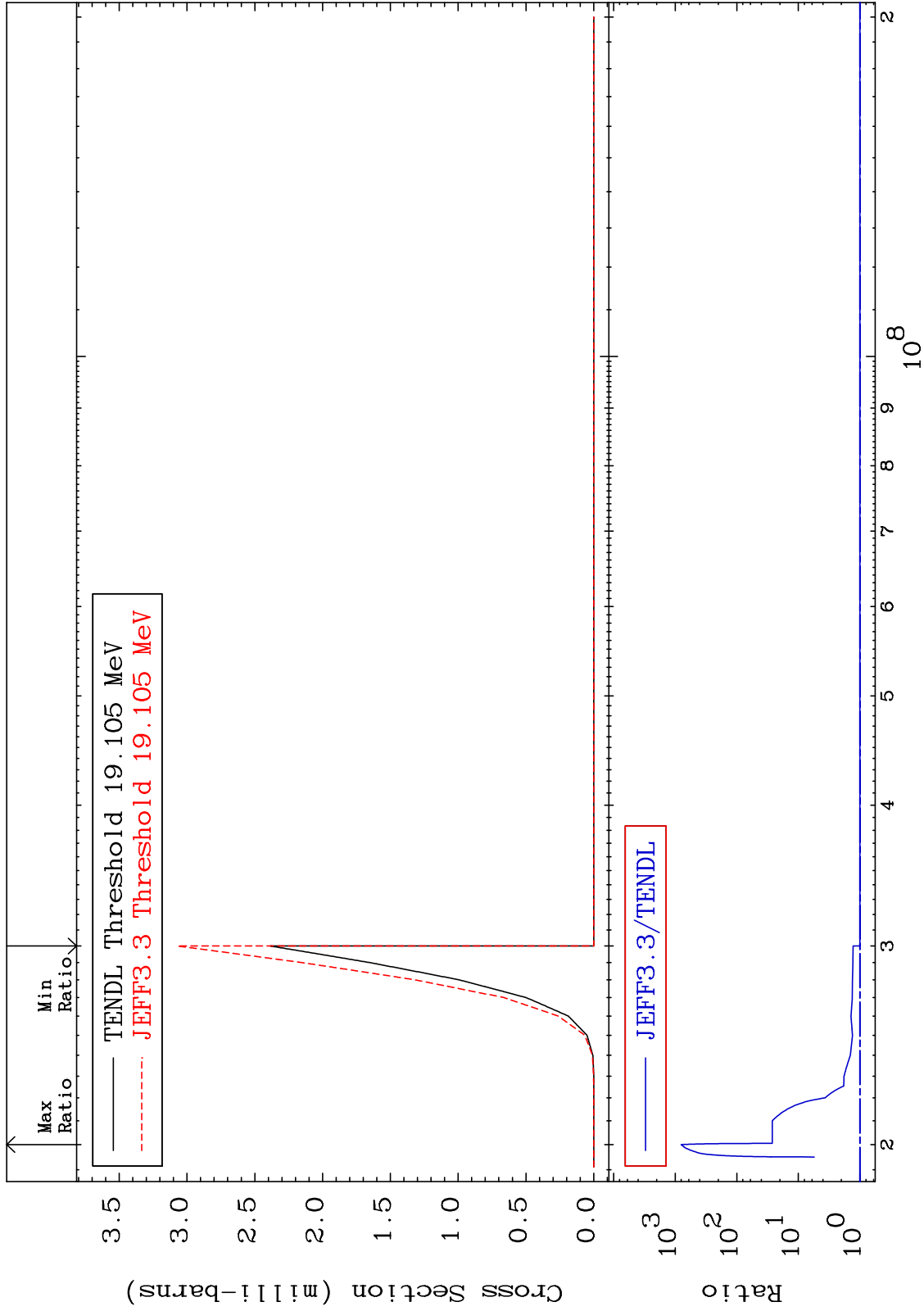
MAT 2228

(n,2n) p

22-Ti-47

Cross Section

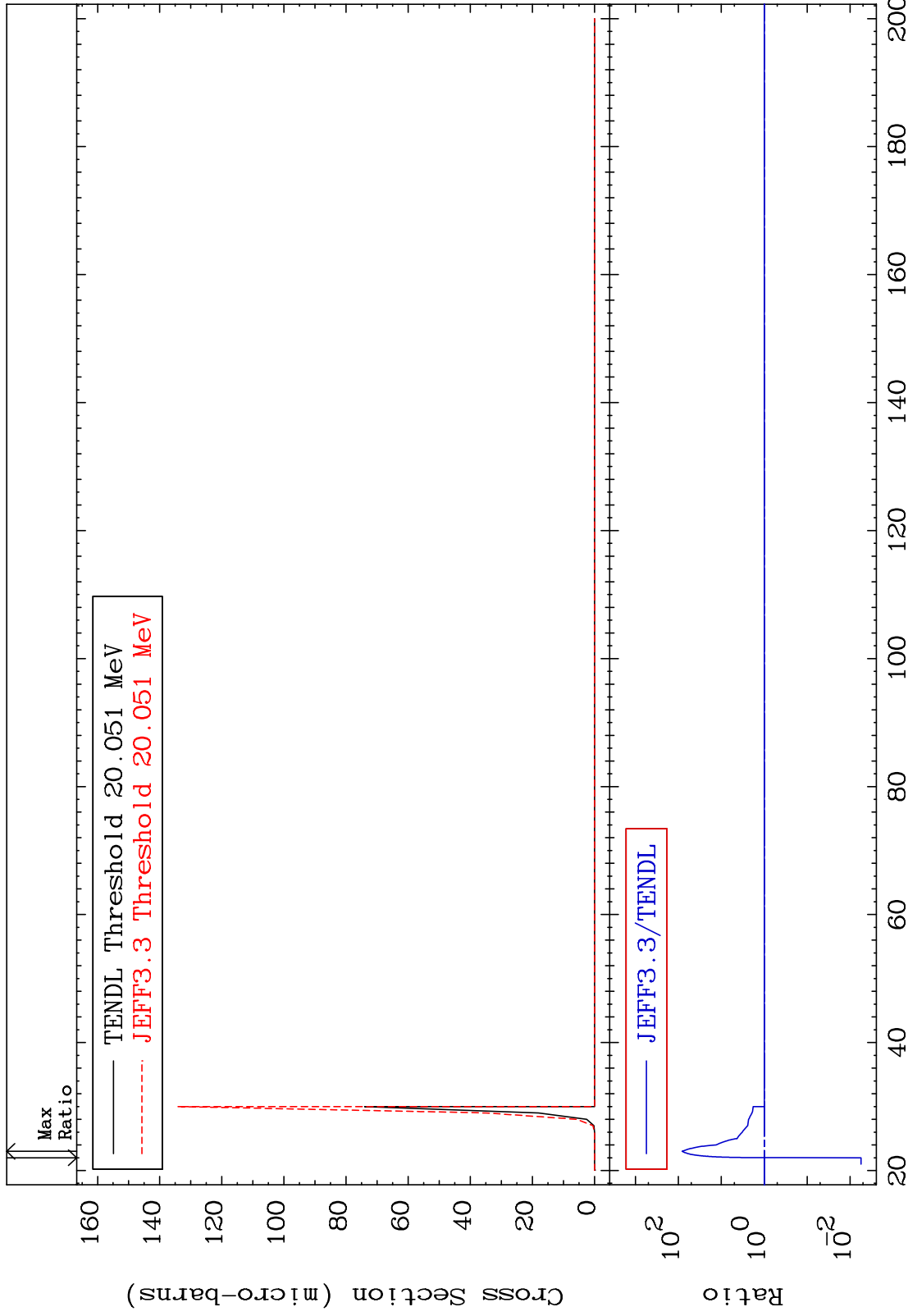
0.000 To 9999. %



MAT 2228

(n,n') p α
Cross Section

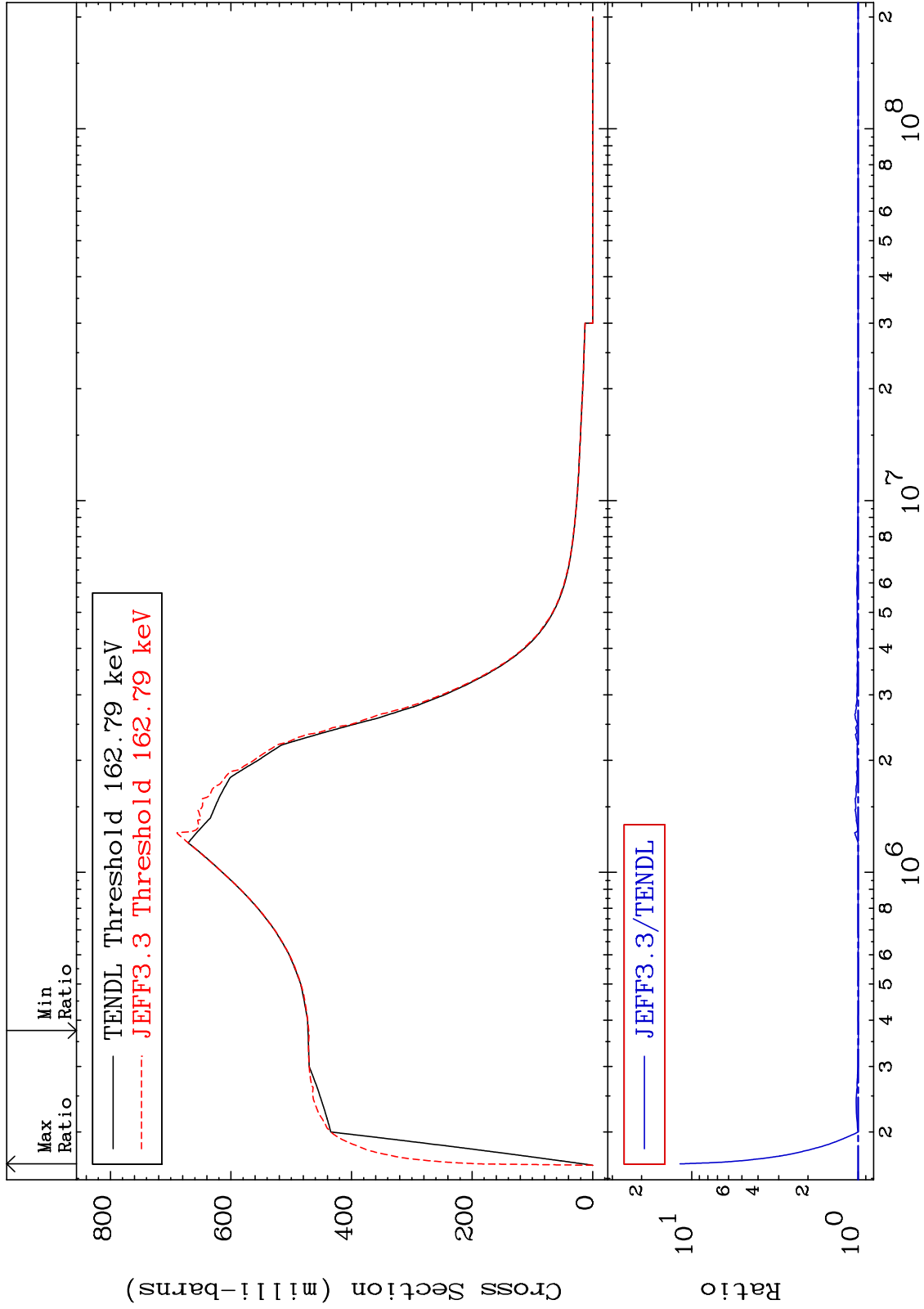
22-Ti-47
-99.44 To 8079. %



MAT 2228

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

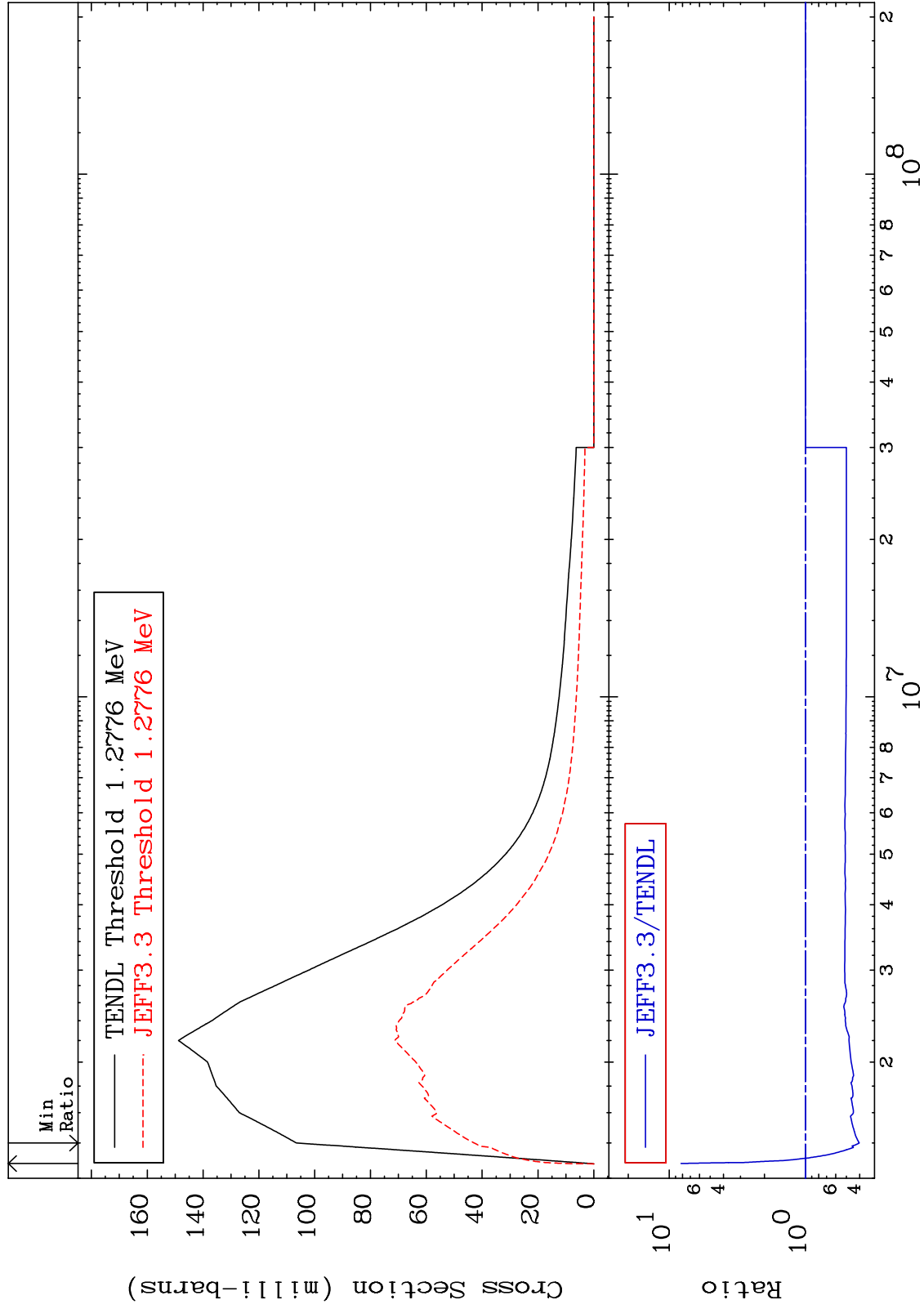
22-Ti-47
-0.293 To 1076. %



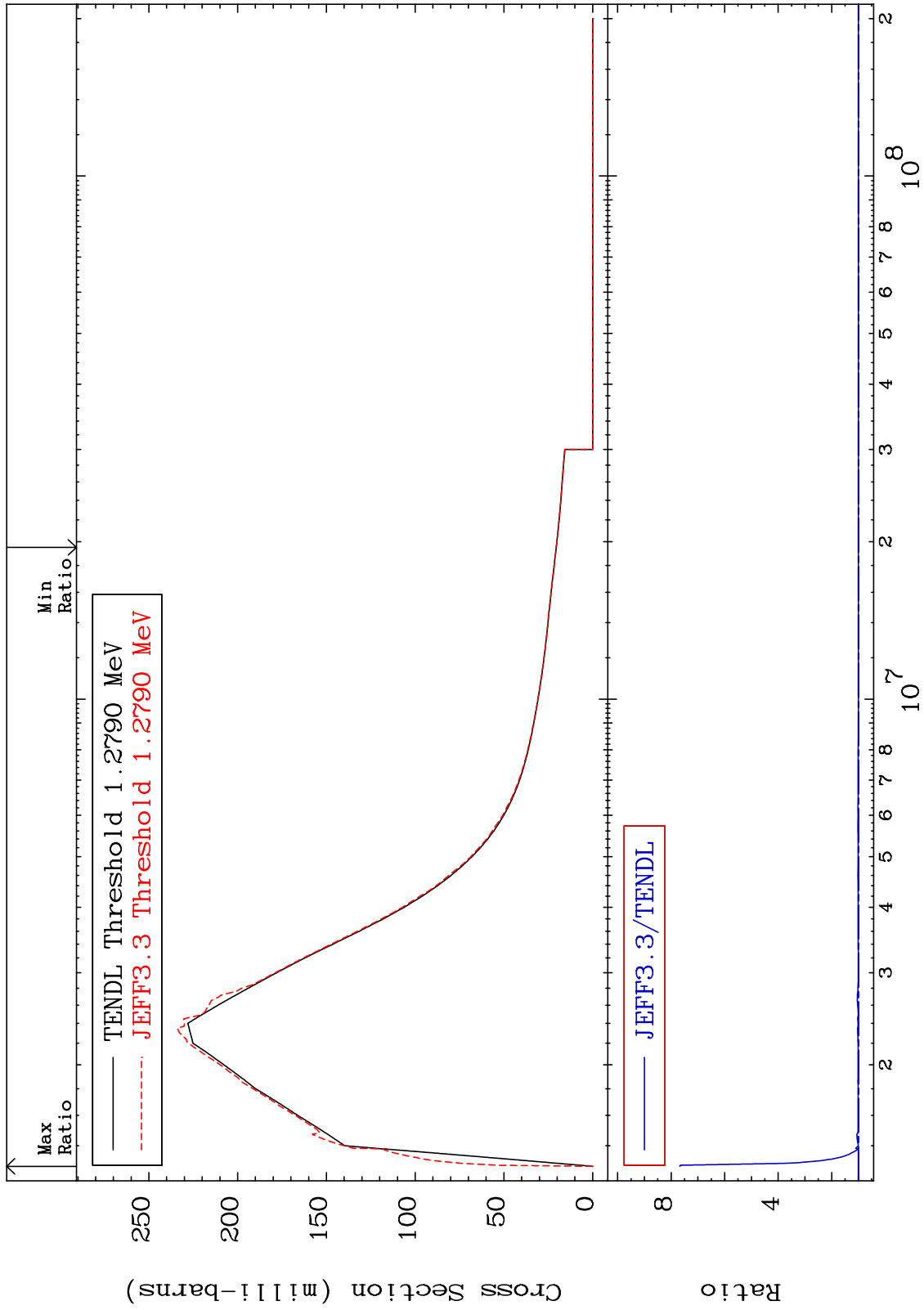
MAT 2228

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

22-Ti-47
-59.80 To 718.9 %



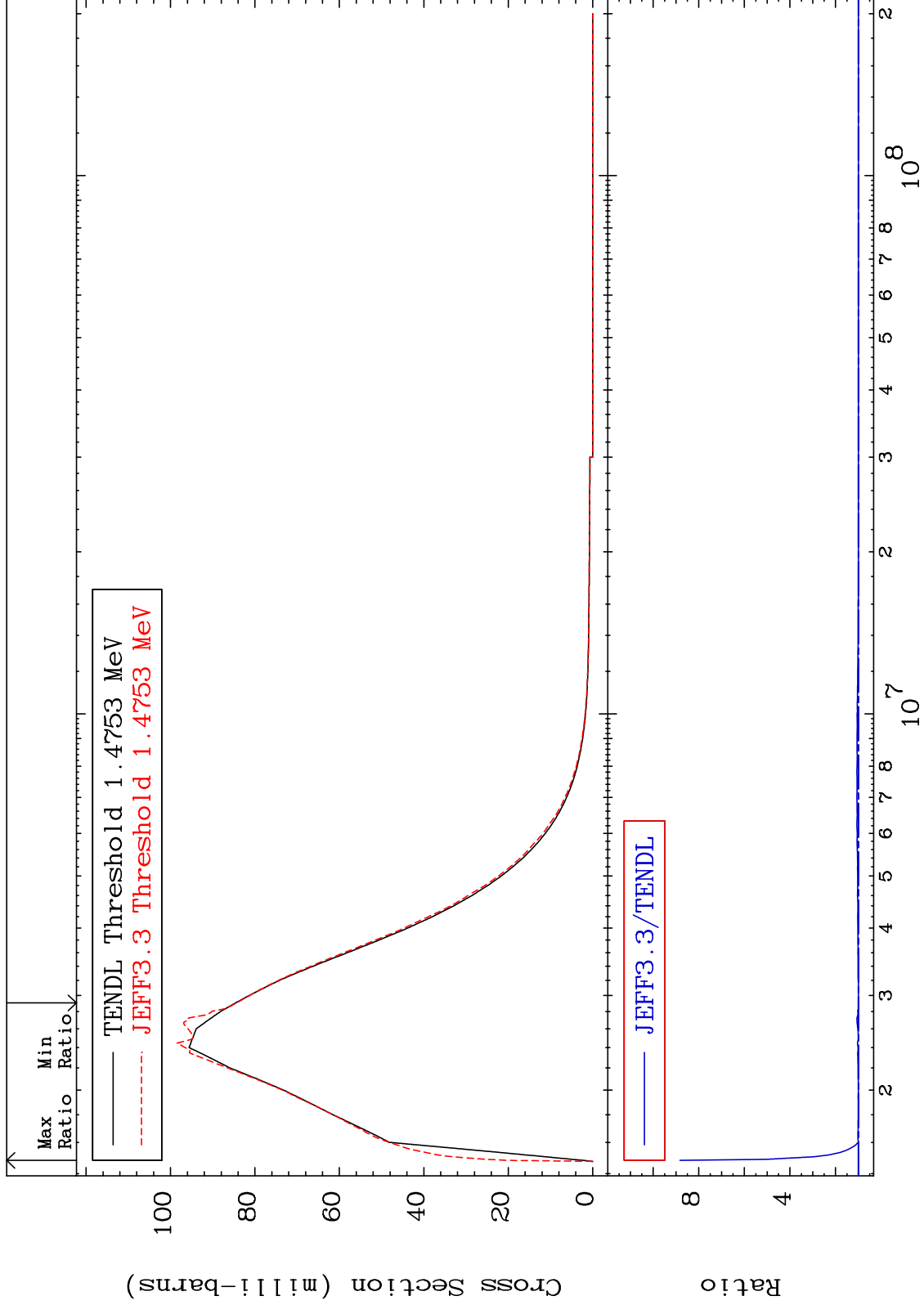
MAT 2228 MT= 53 (n,n') Level 22-Ti-47
 Cross Section -0.042 To 666.9 %



MAT 2228

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

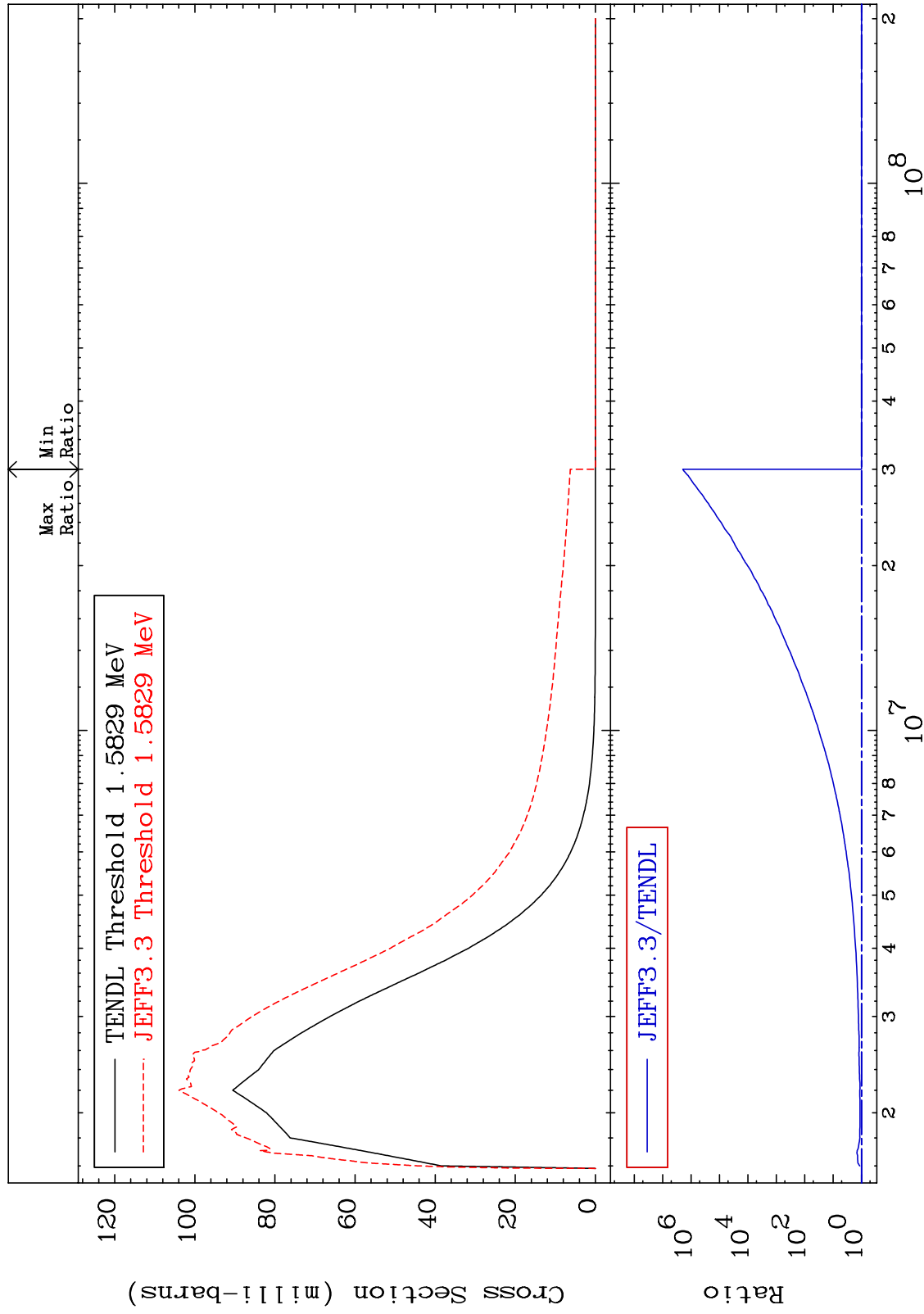
22-Ti-47
-0.266 To 782.4 %



MAT 2228

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

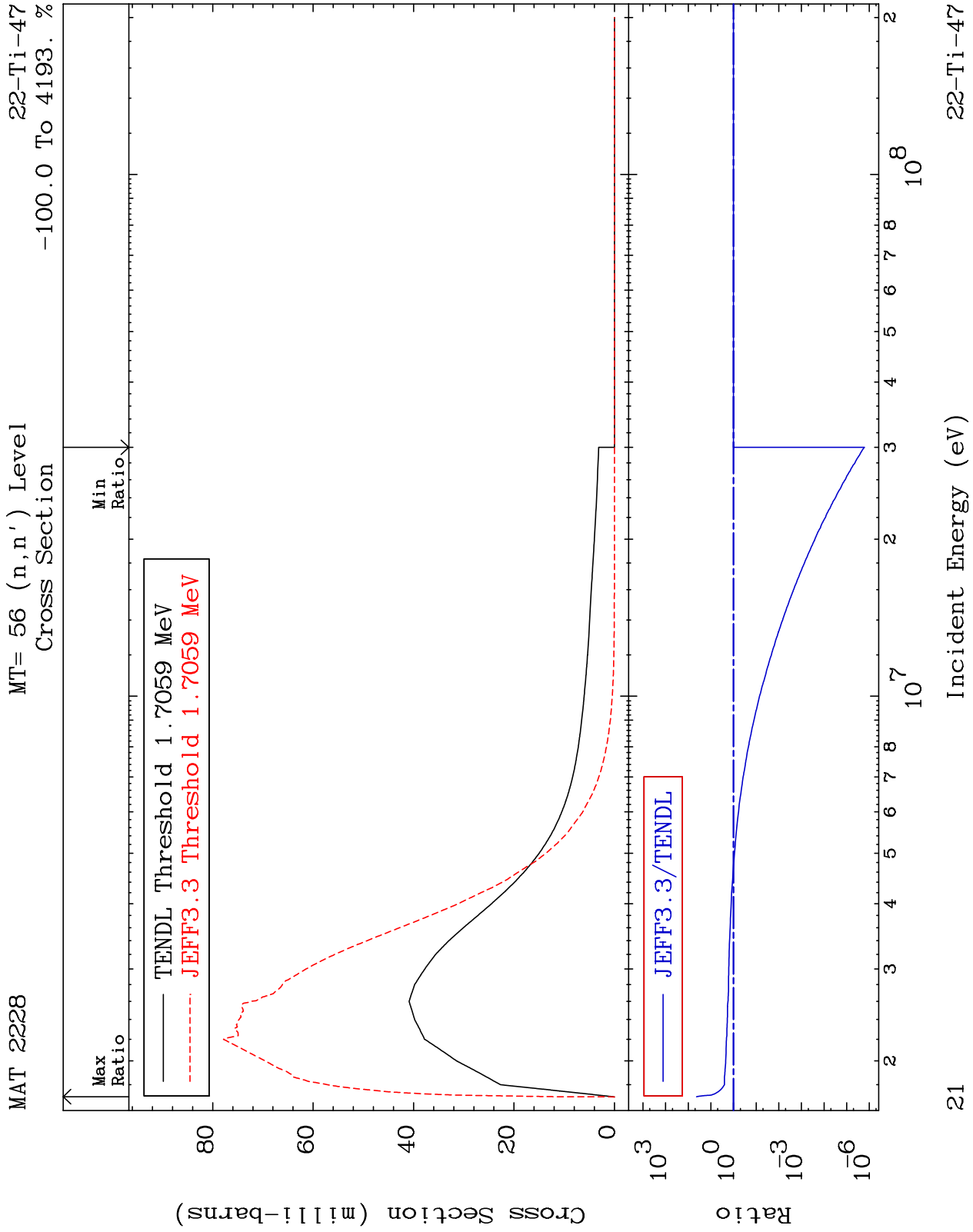
0.000 To 9999. %
22-Ti-47



20

Incident Energy (eV)

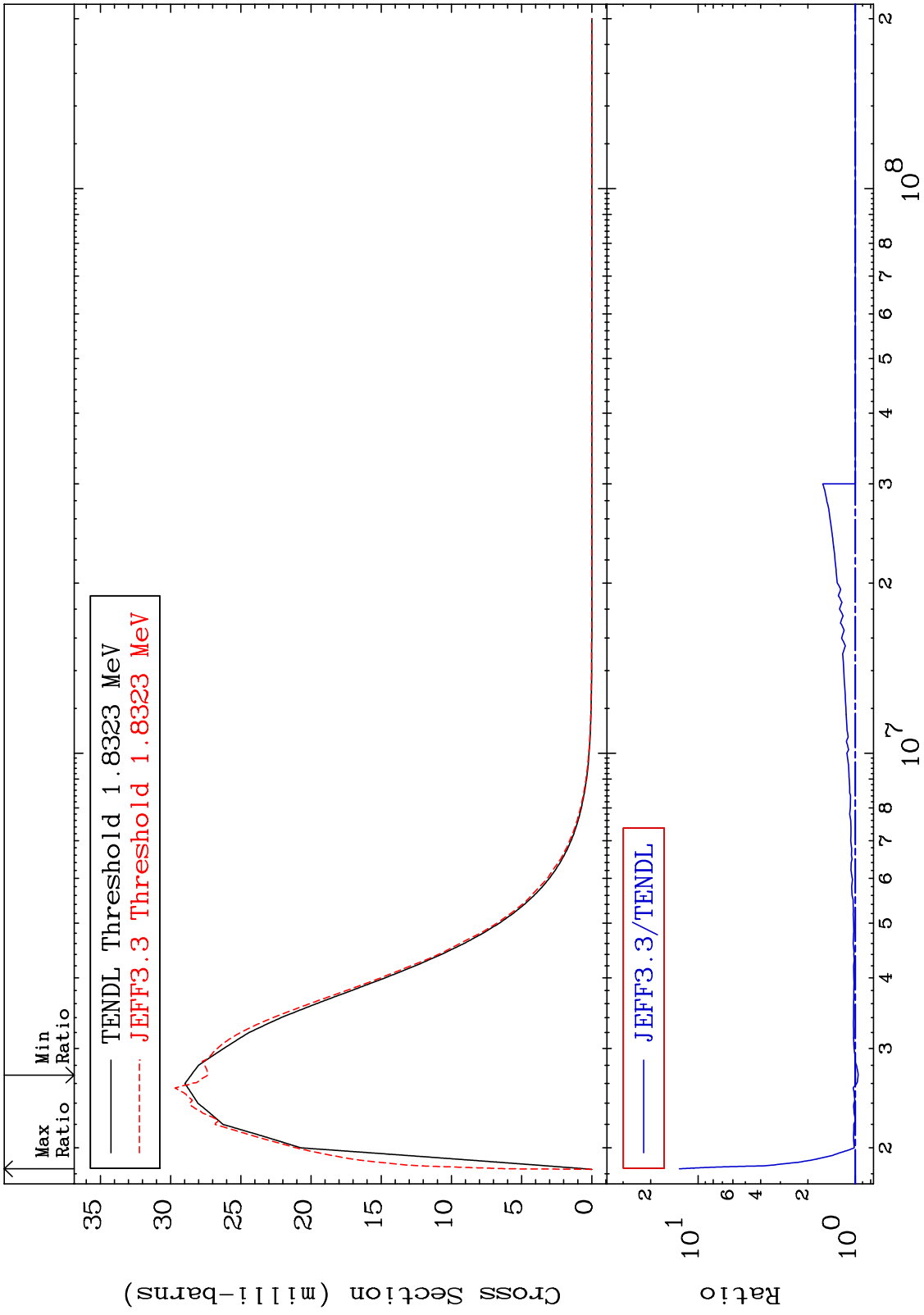
22-Ti-47



MAT 2228

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

22-Ti-47
-4.159 To 1214. %



22

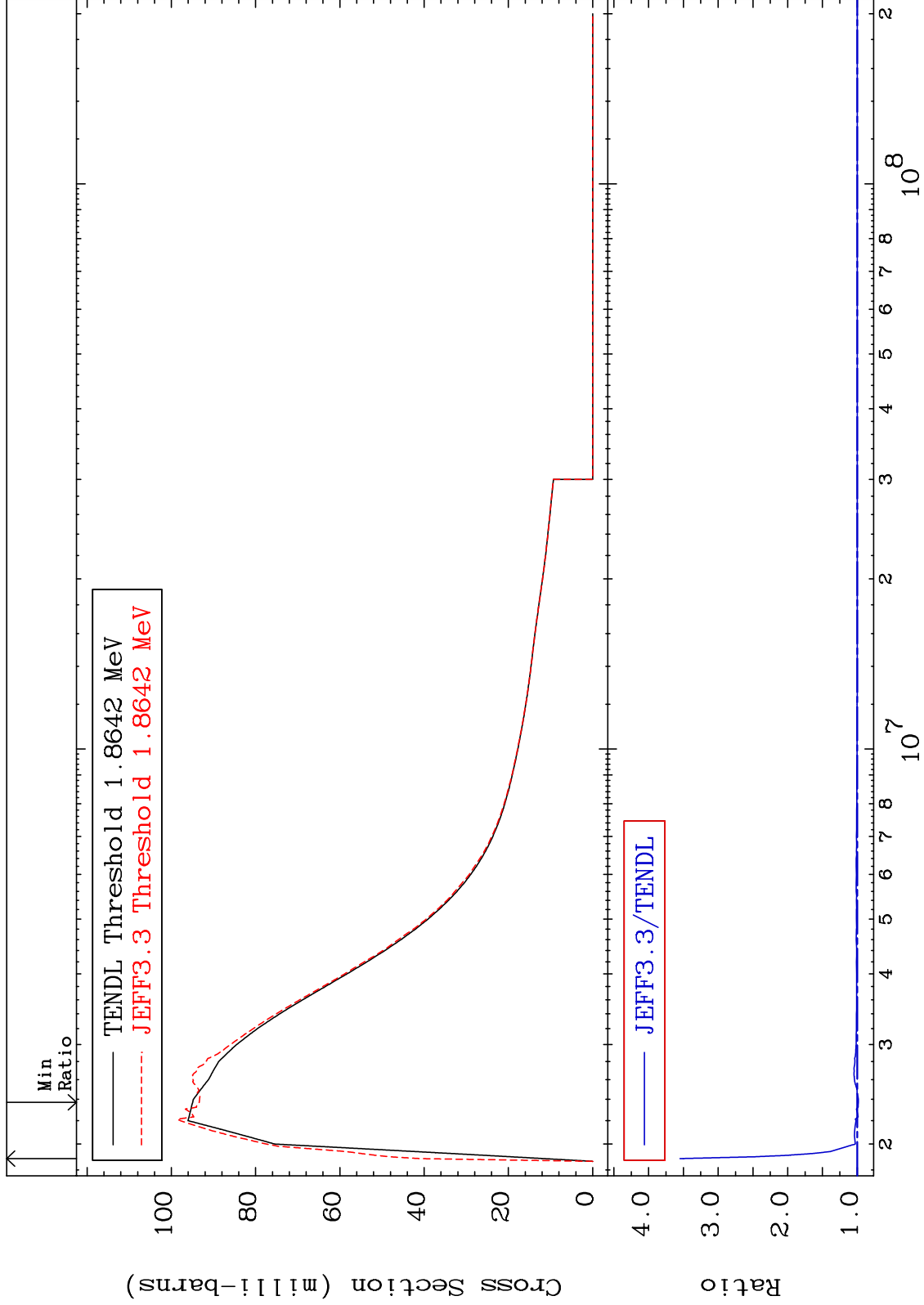
Incident Energy (eV)

22-Ti-47

MAT 2228

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

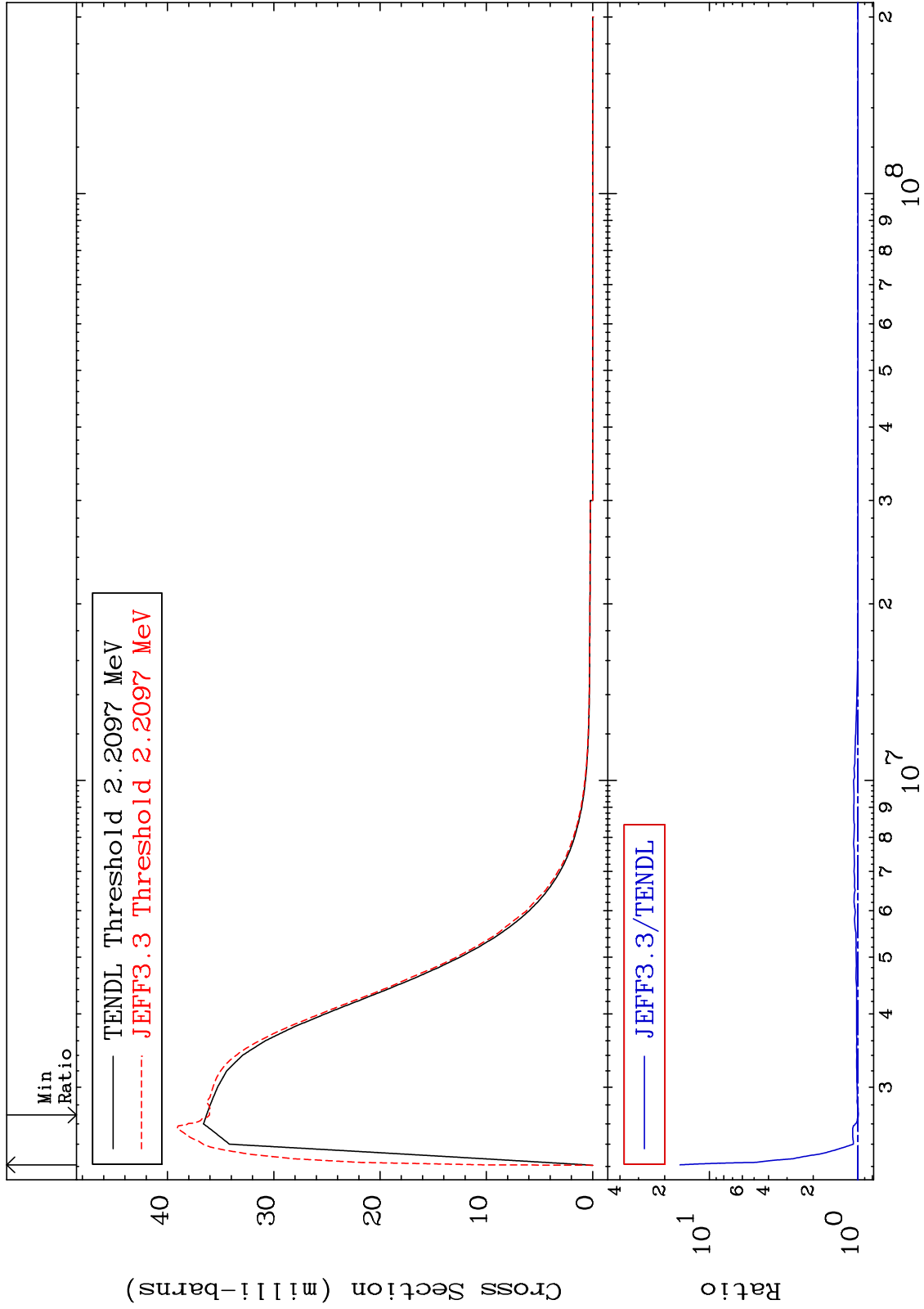
22-Ti-47
-1.667 To 254.8 %



MAT 2228

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

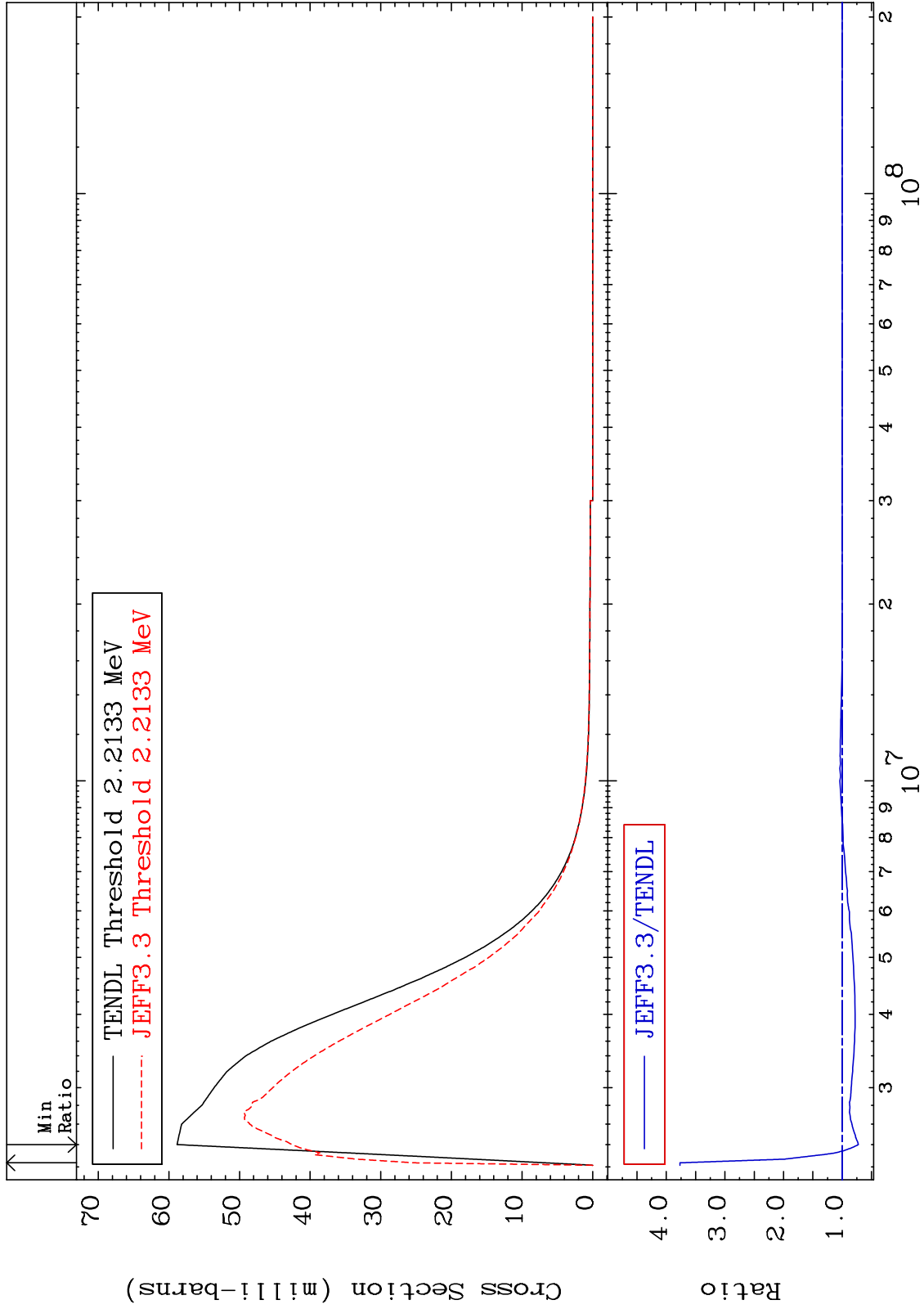
22-Ti-47
-0.772 To 1477. %



MAT 2228

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

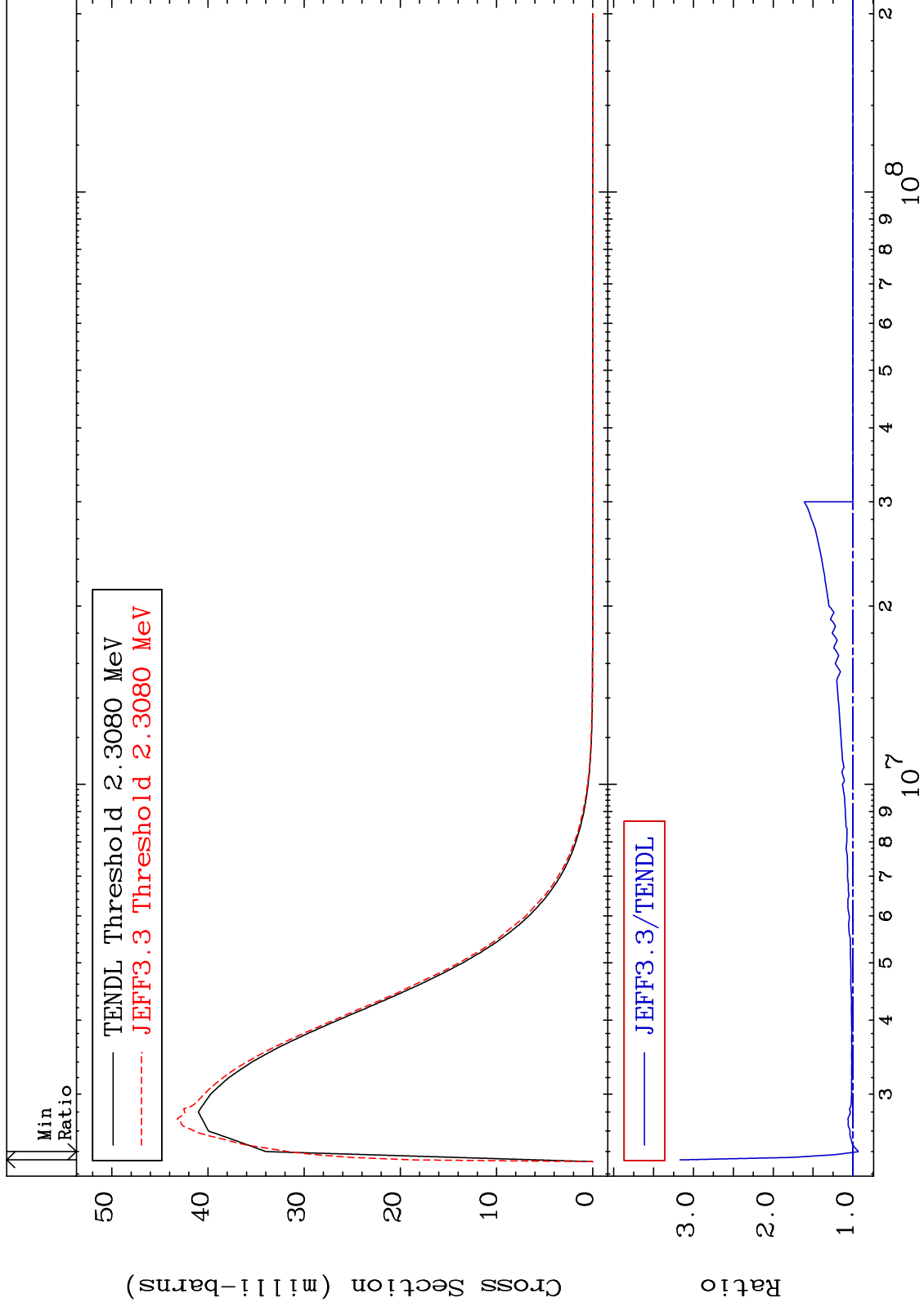
22-Ti-47
-27.67 To 276.6 %



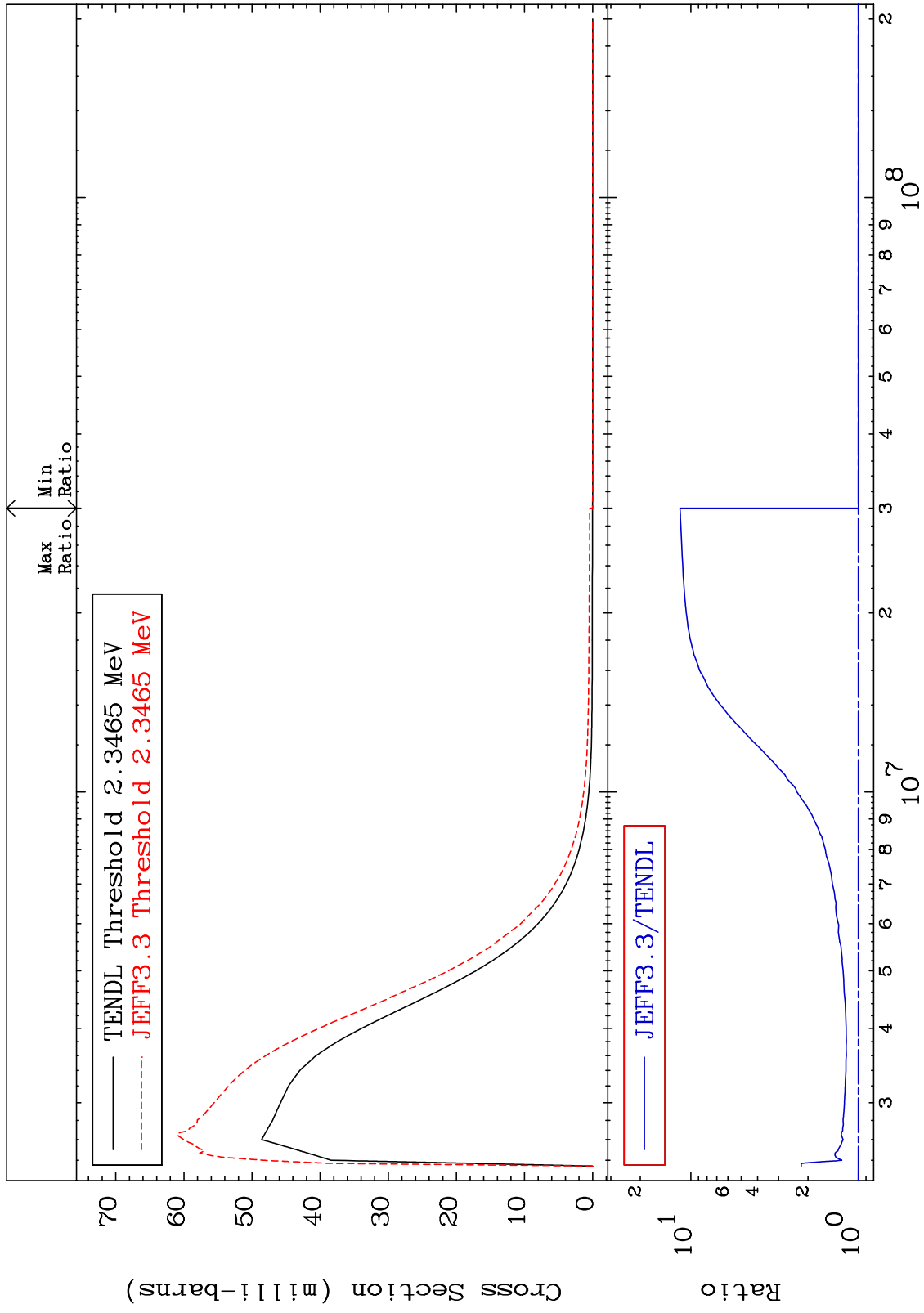
MAT 2228

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

22-Ti-47
-6.813 To 216.9 %



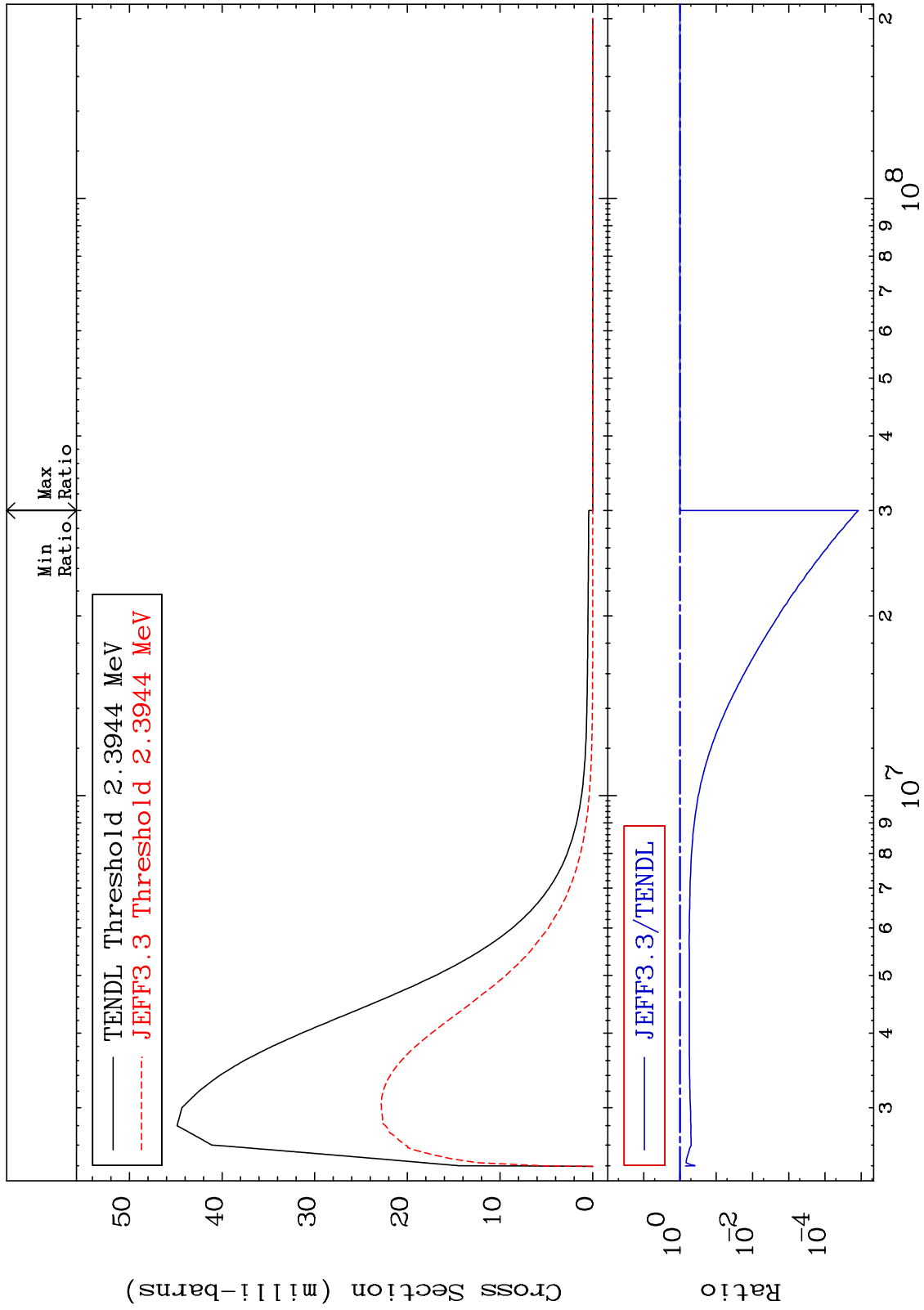
MAT 2228 MT= 62 (n, n') Level Cross Section 22-Ti-47
 0.000 To 1059. %



MAT 2228

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

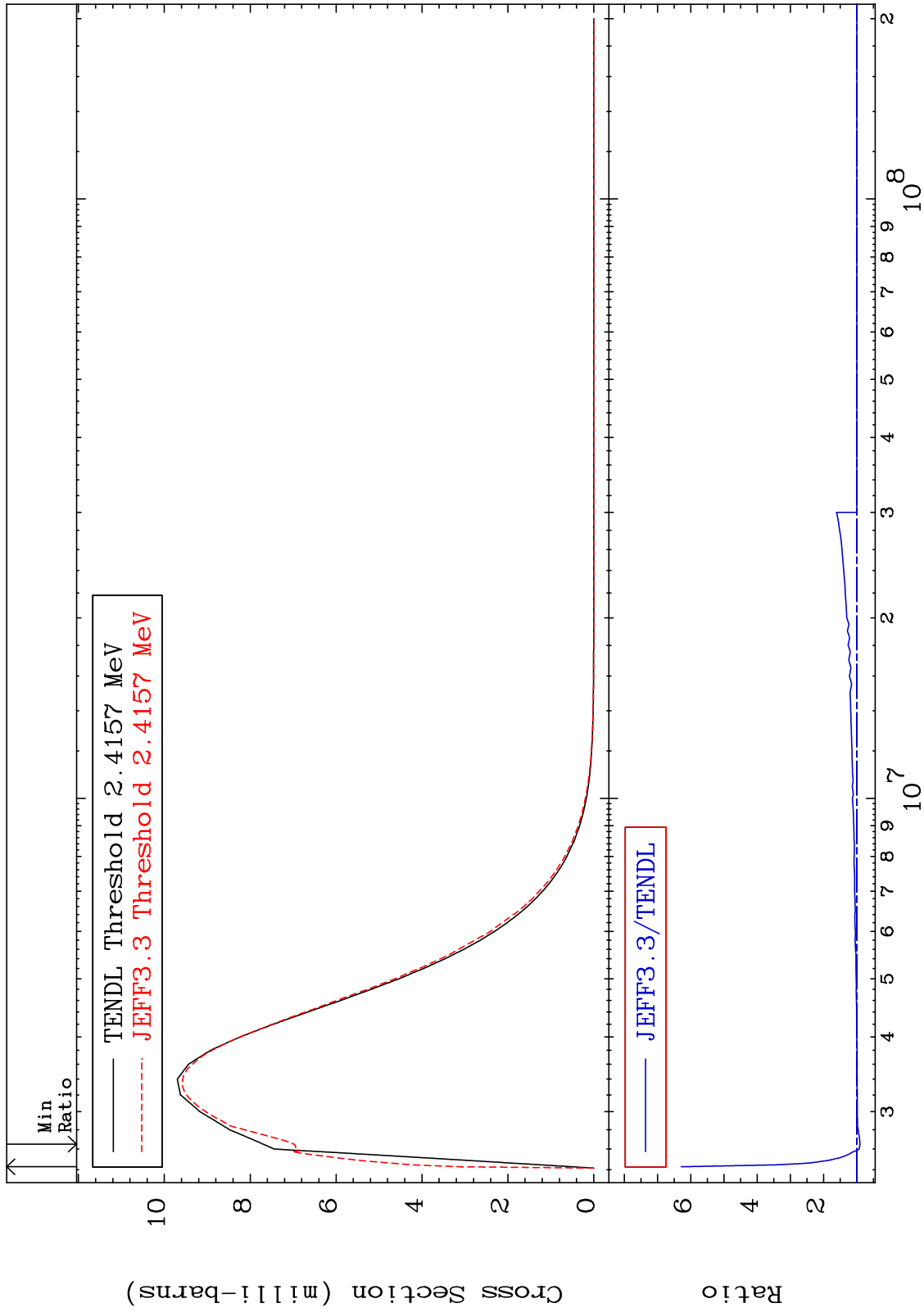
22-Ti-47
-100.0 To 0.000 %



MAT 2228

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

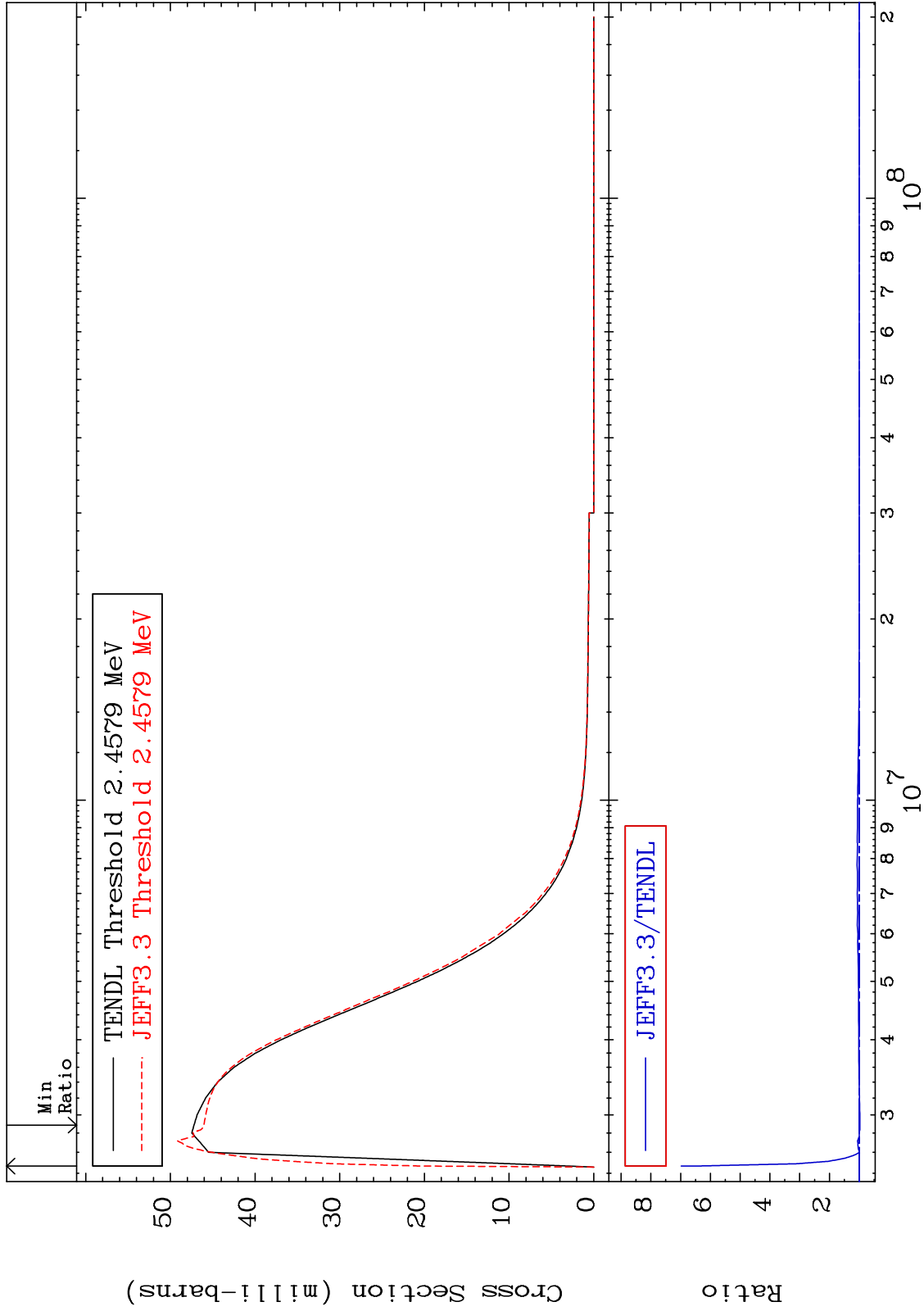
22-Ti-47
-9.293 To 528.6 %



MAT 2228

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

22-Ti-47
-2.442 To 598.0 %



30

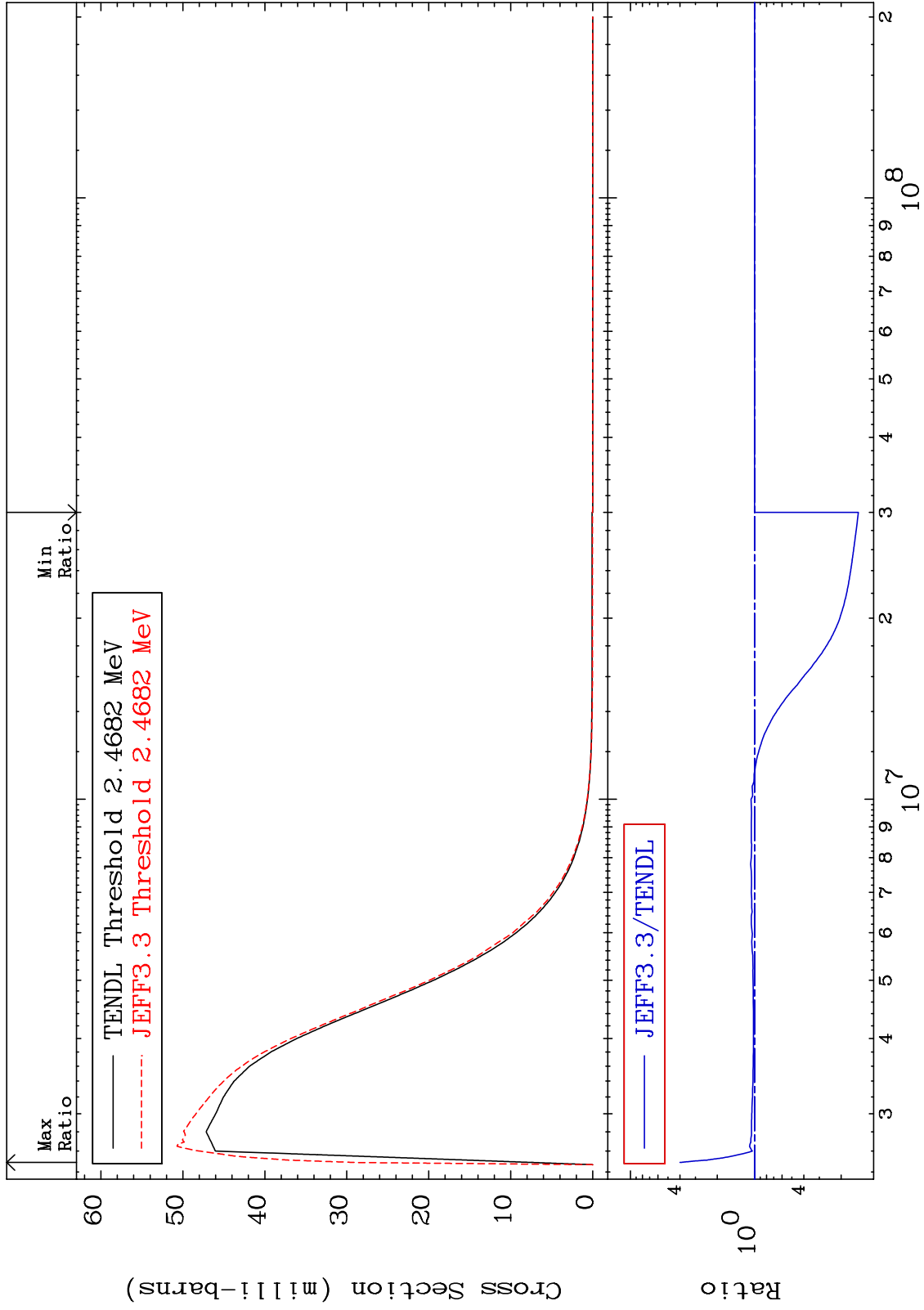
Incident Energy (eV)

22-Ti-47

MAT 2228

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

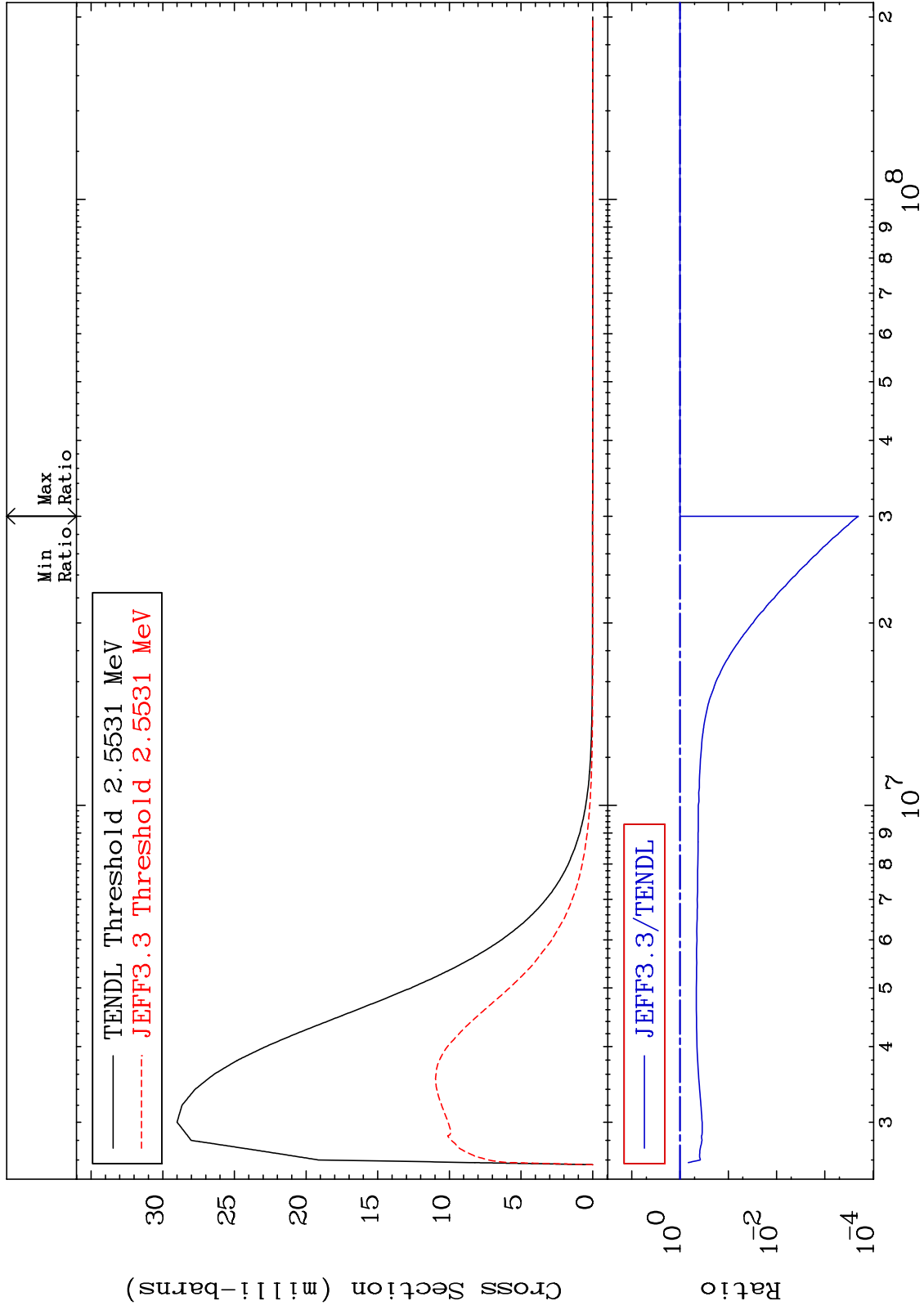
22-Ti-47
-85.48 To 298.9 %



MAT 2228

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

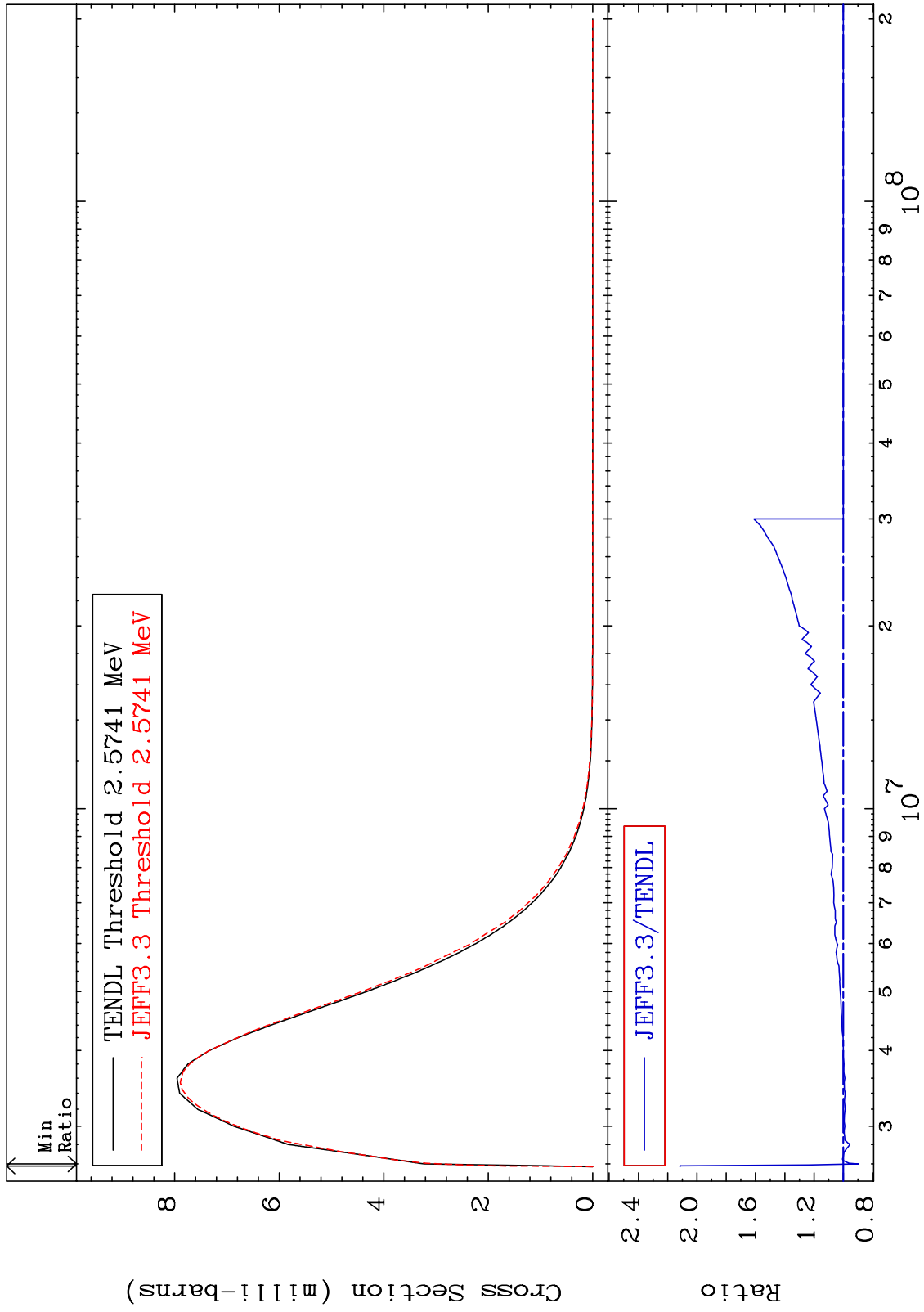
22-Ti-47
-99.98 To 0.000 %



MAT 2228

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

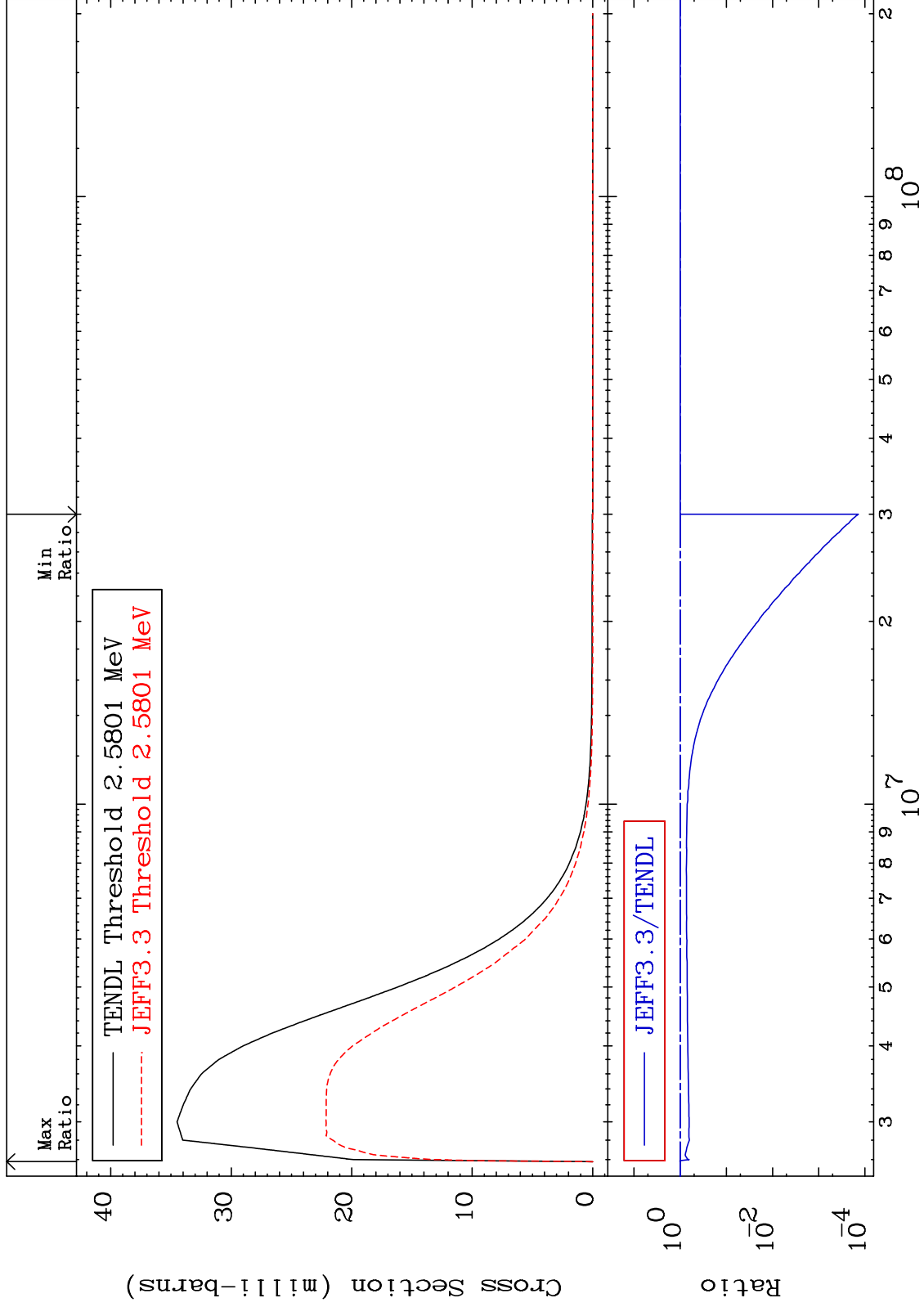
22-Ti-47
-10.29 To 111.6 %



MAT 2228

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

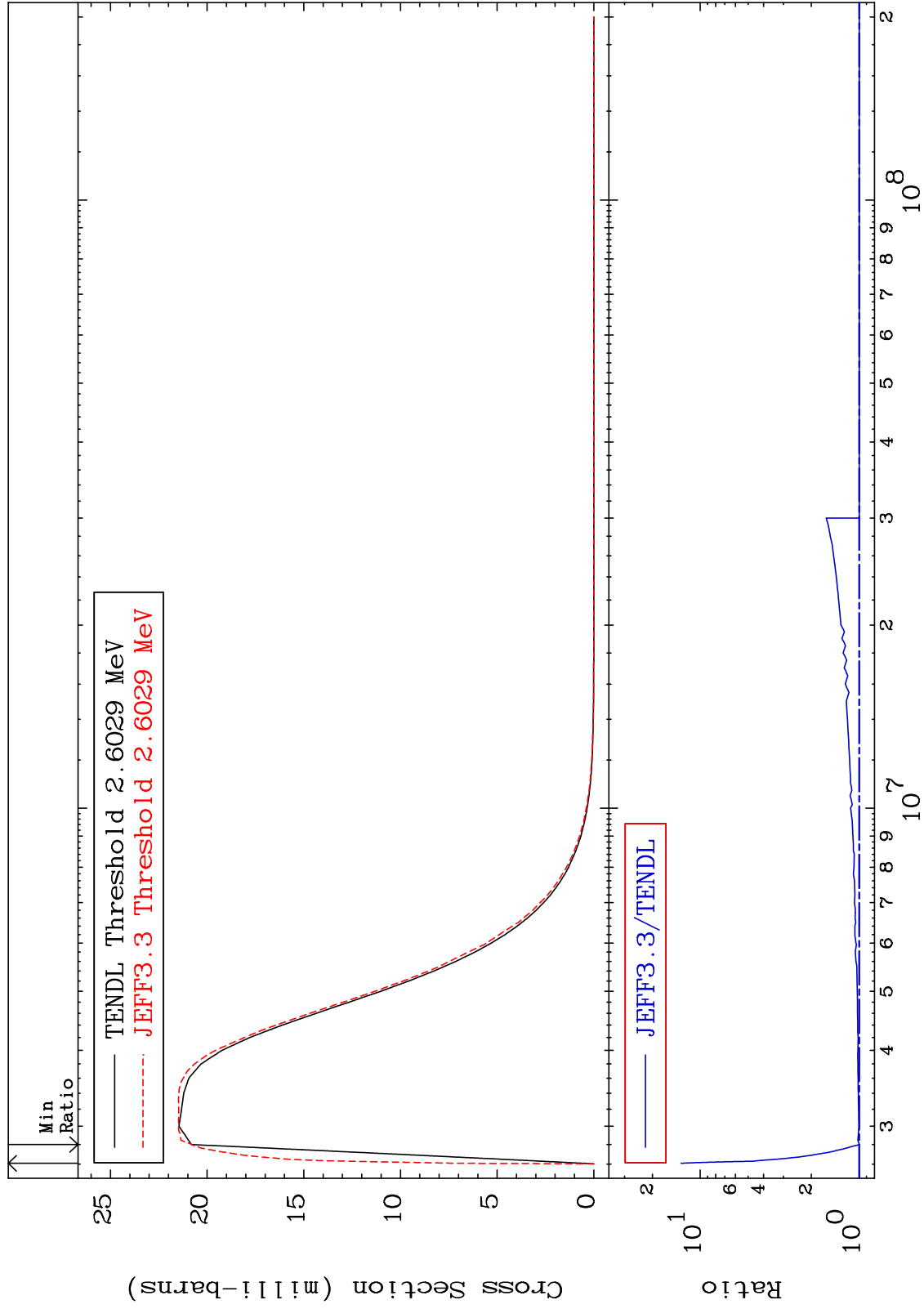
22-Ti-47
-99.99 To 0.804 %



MAT 2228

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

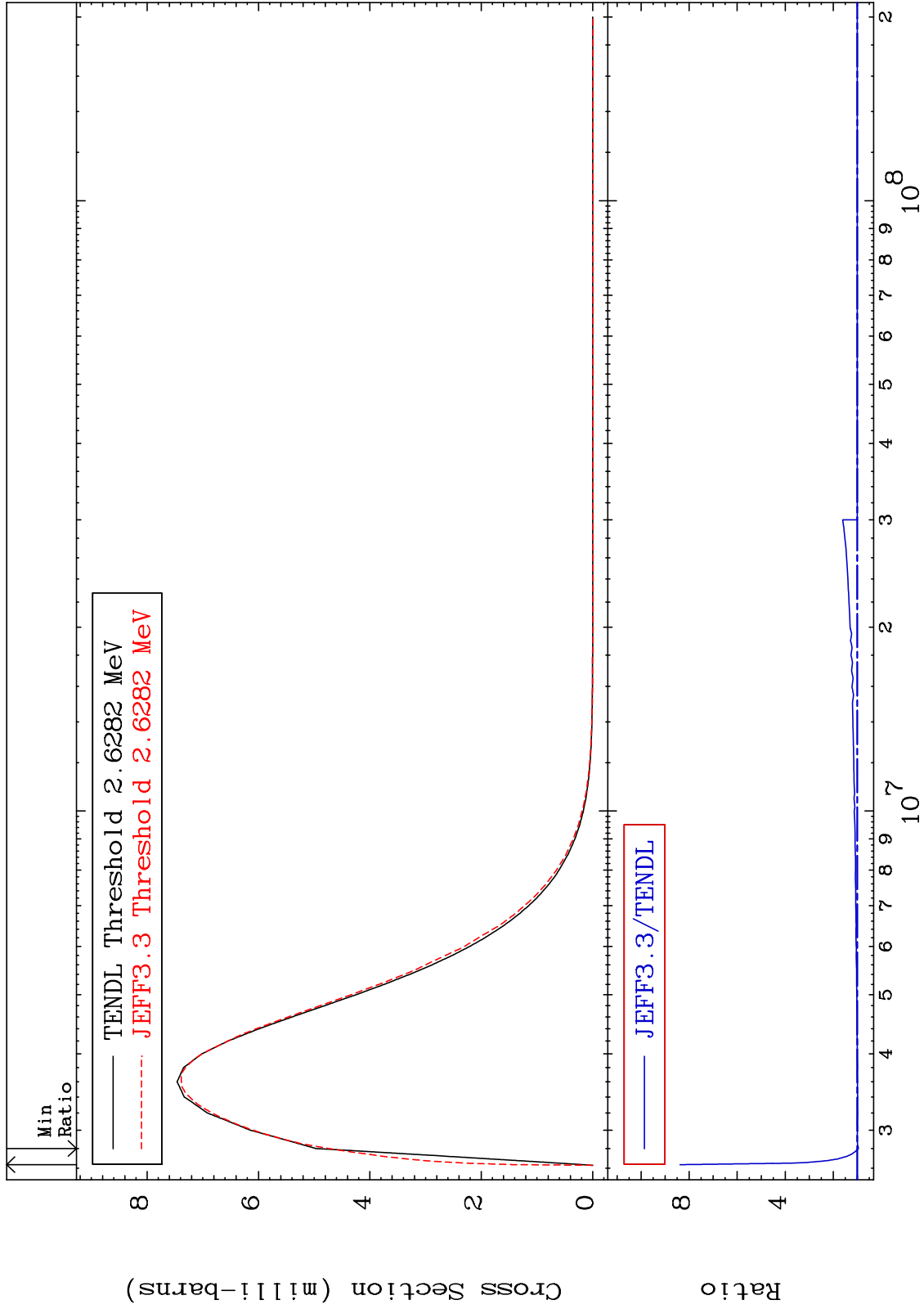
22-Ti-47
-0.221 To 1221. %



MAT 2228

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

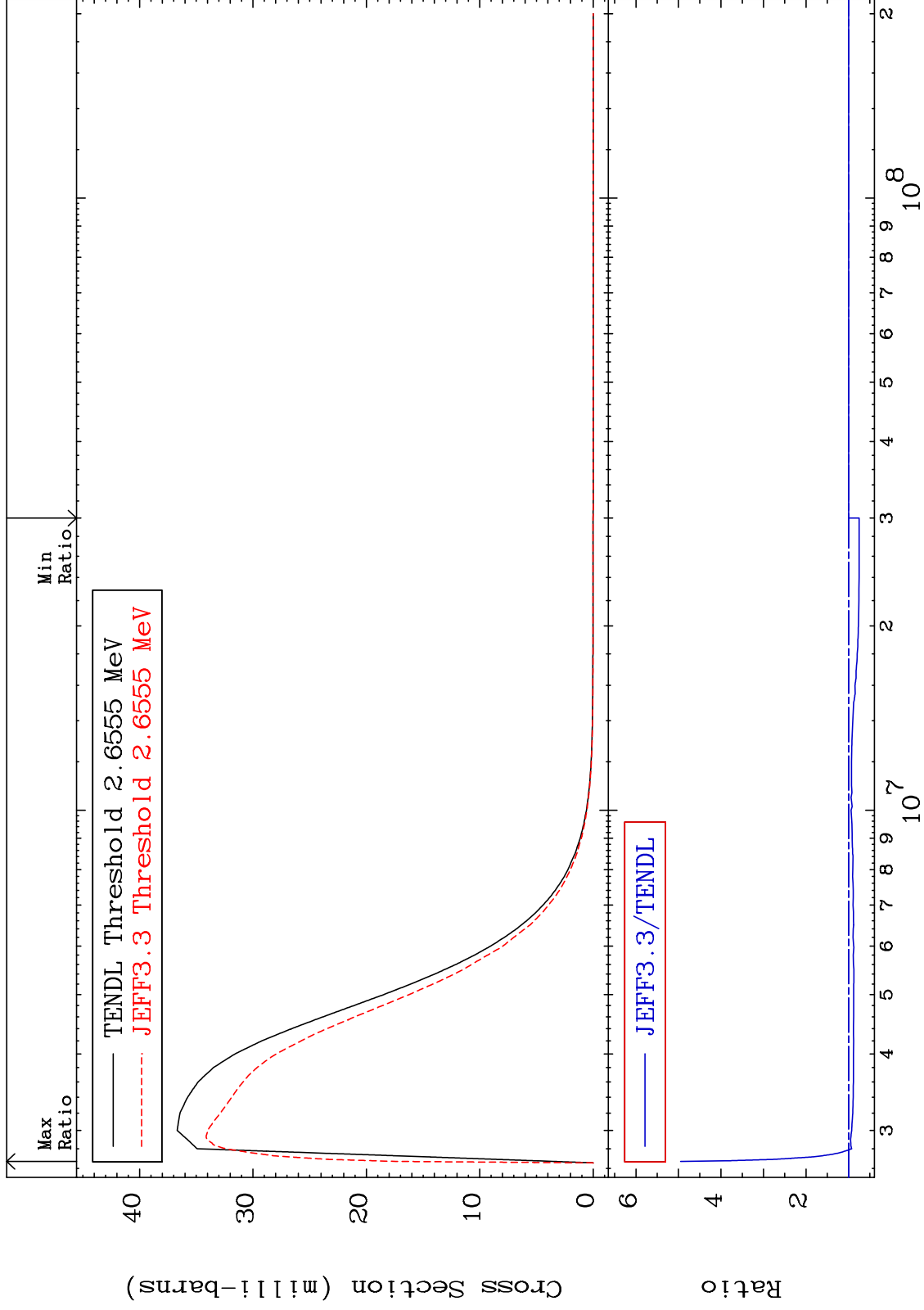
22-Ti-47
-4.614 To 738.1 %



MAT 2228

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

22-Ti-47
-24.95 To 394.9 %



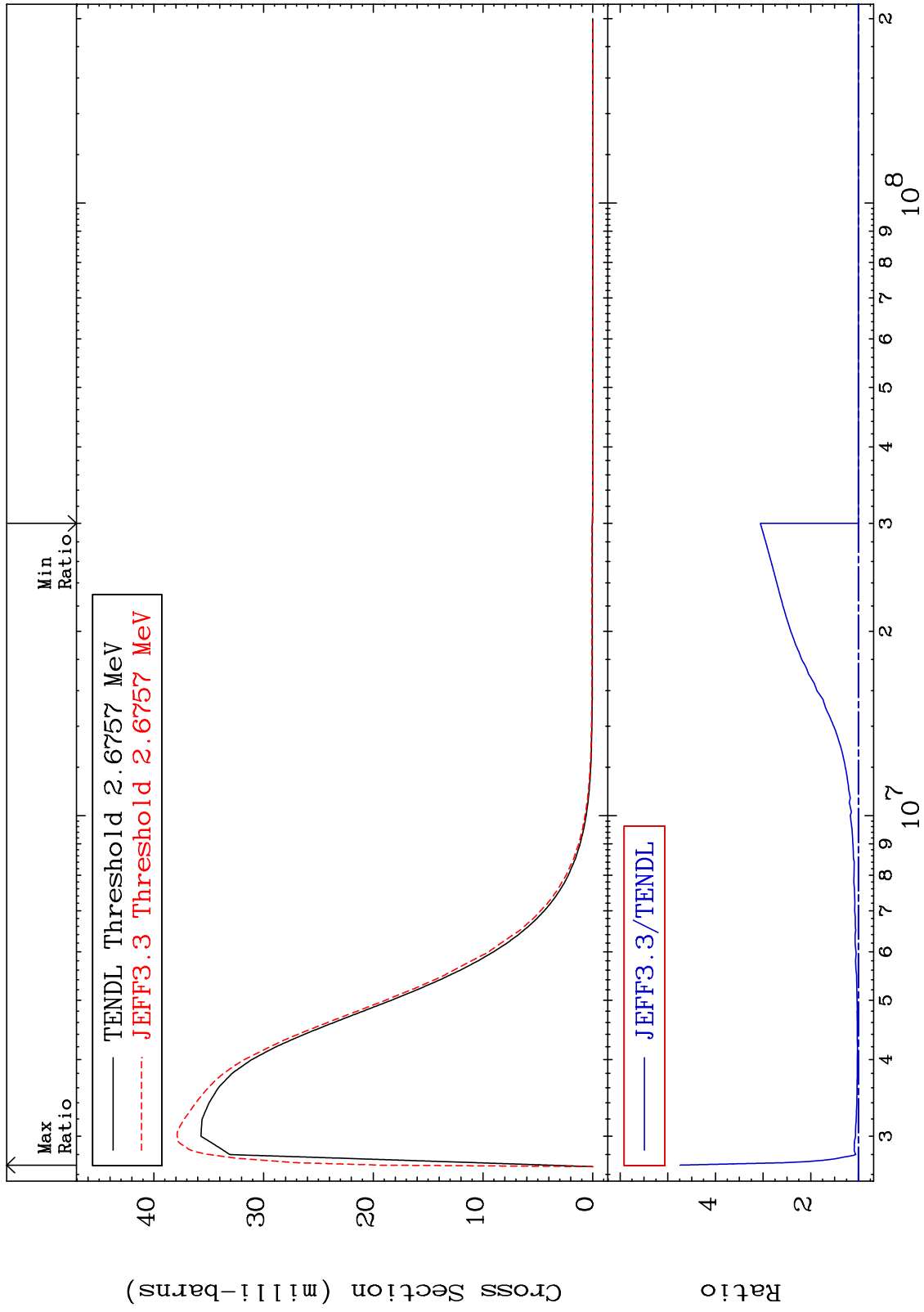
37

22-Ti-47

MAT 2228

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

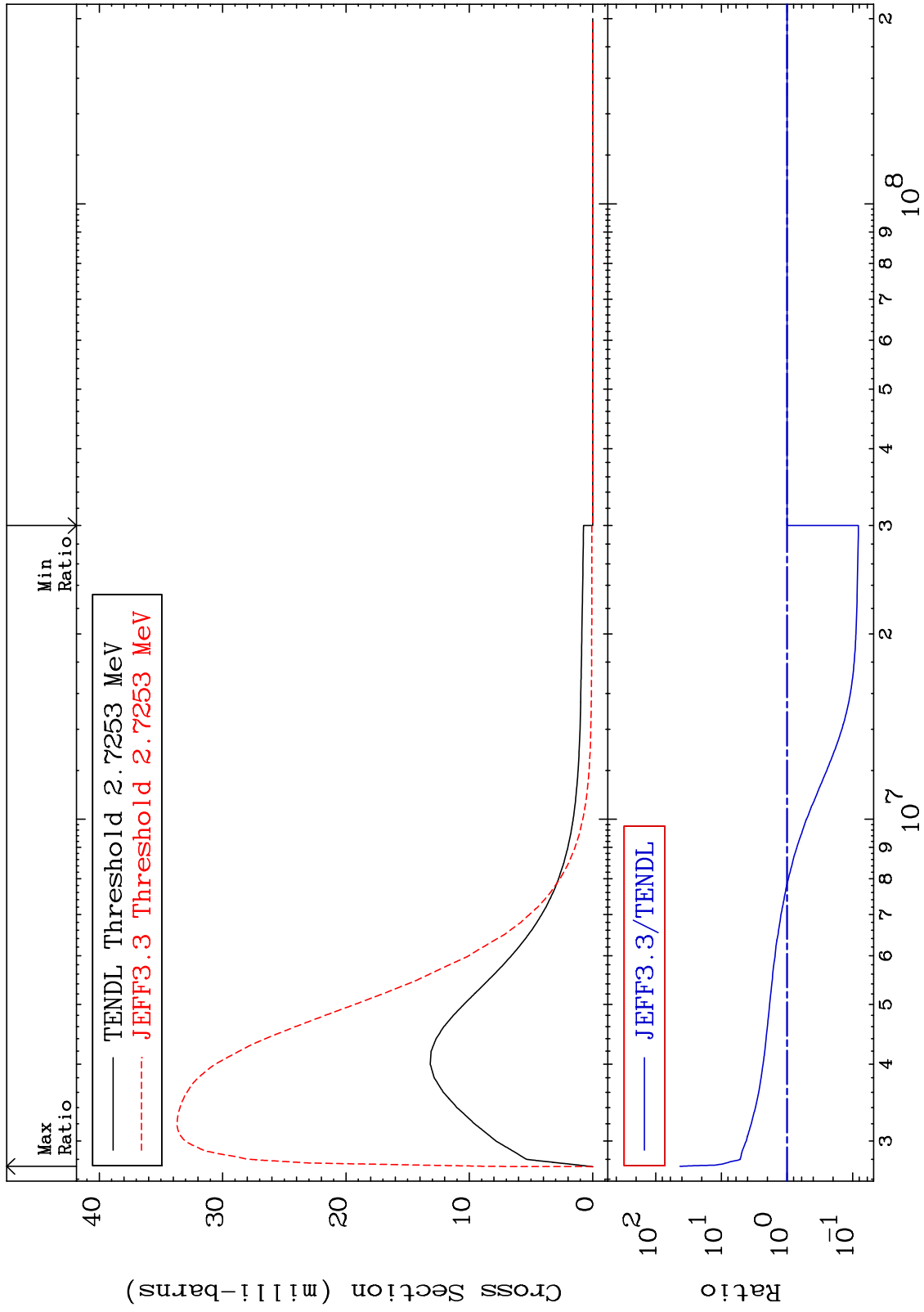
22-Ti-47
0.000 To 374.4 %



MAT 2228

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

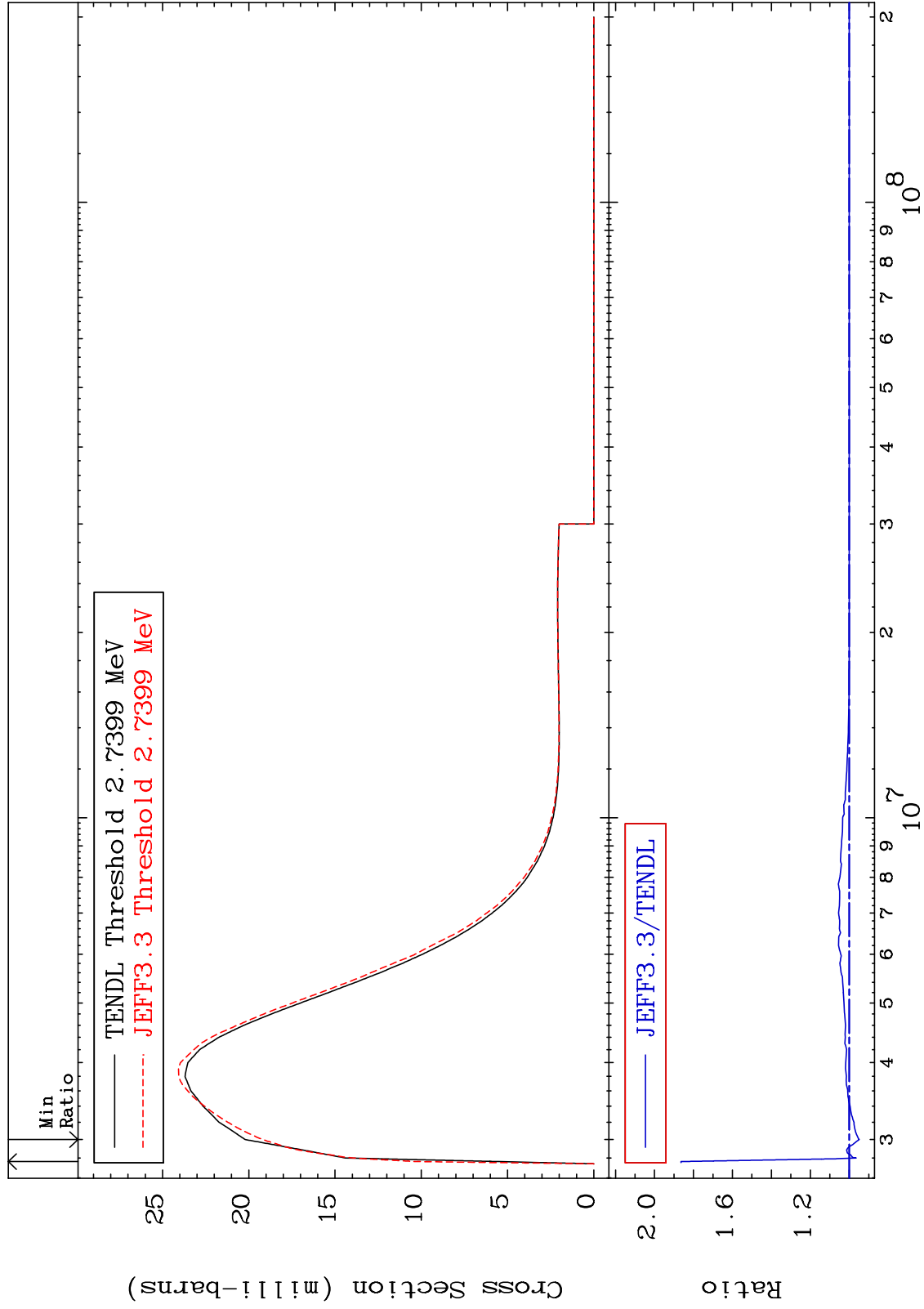
22-Ti-47
-91.79 To 4179. %



MAT 2228

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

22-Ti-47
-5.130 To 86.36 %

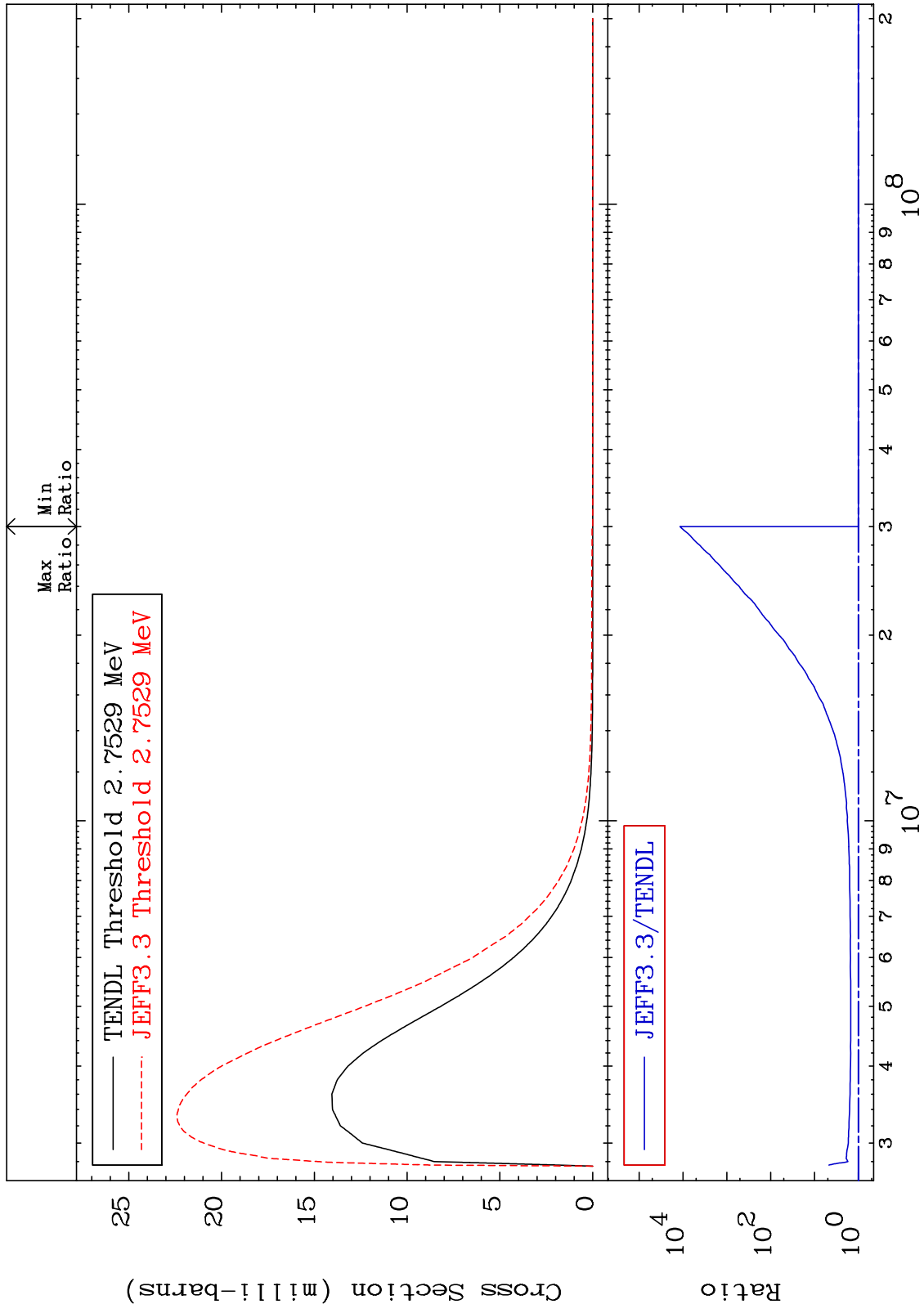


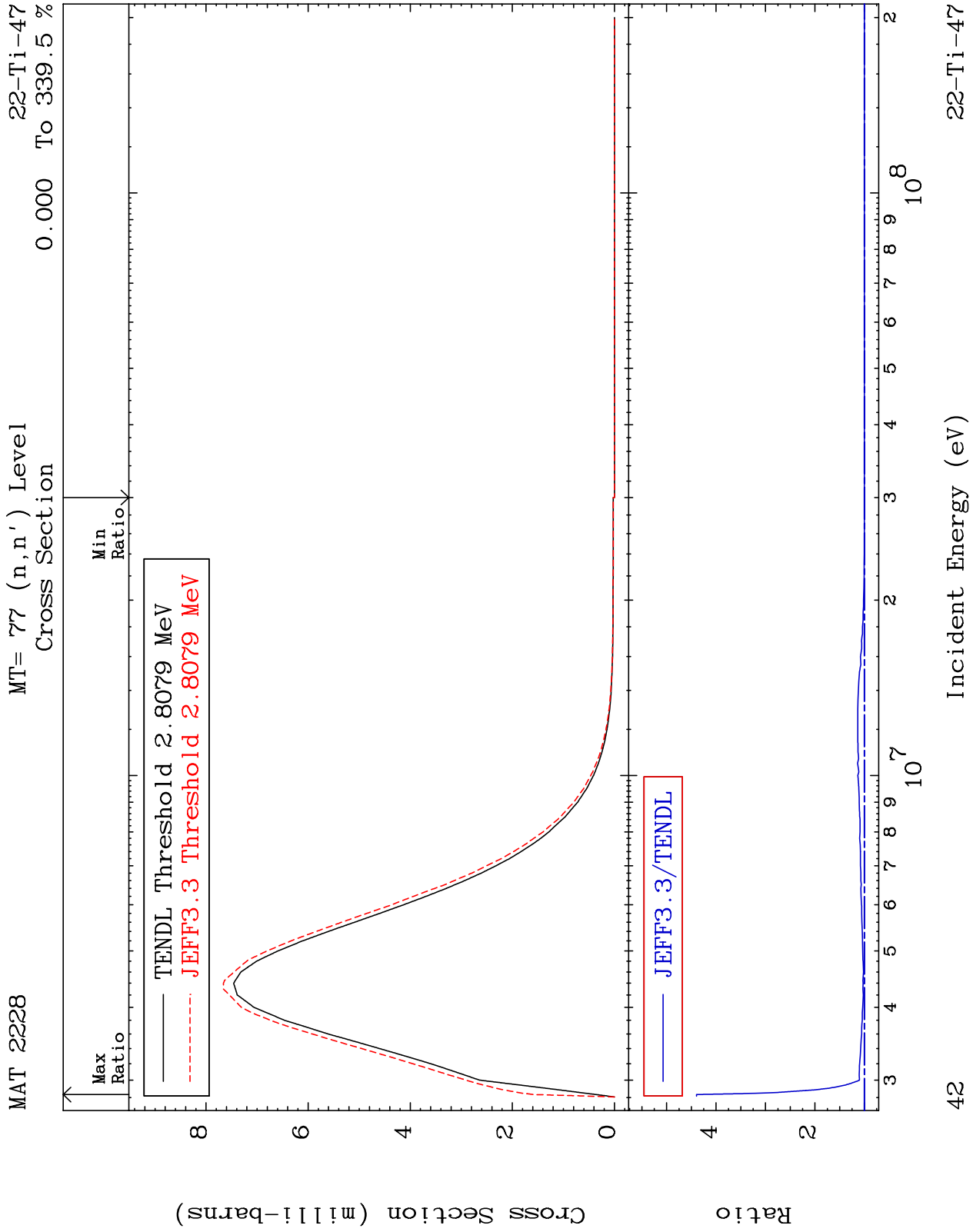
40

Incident Energy (eV)

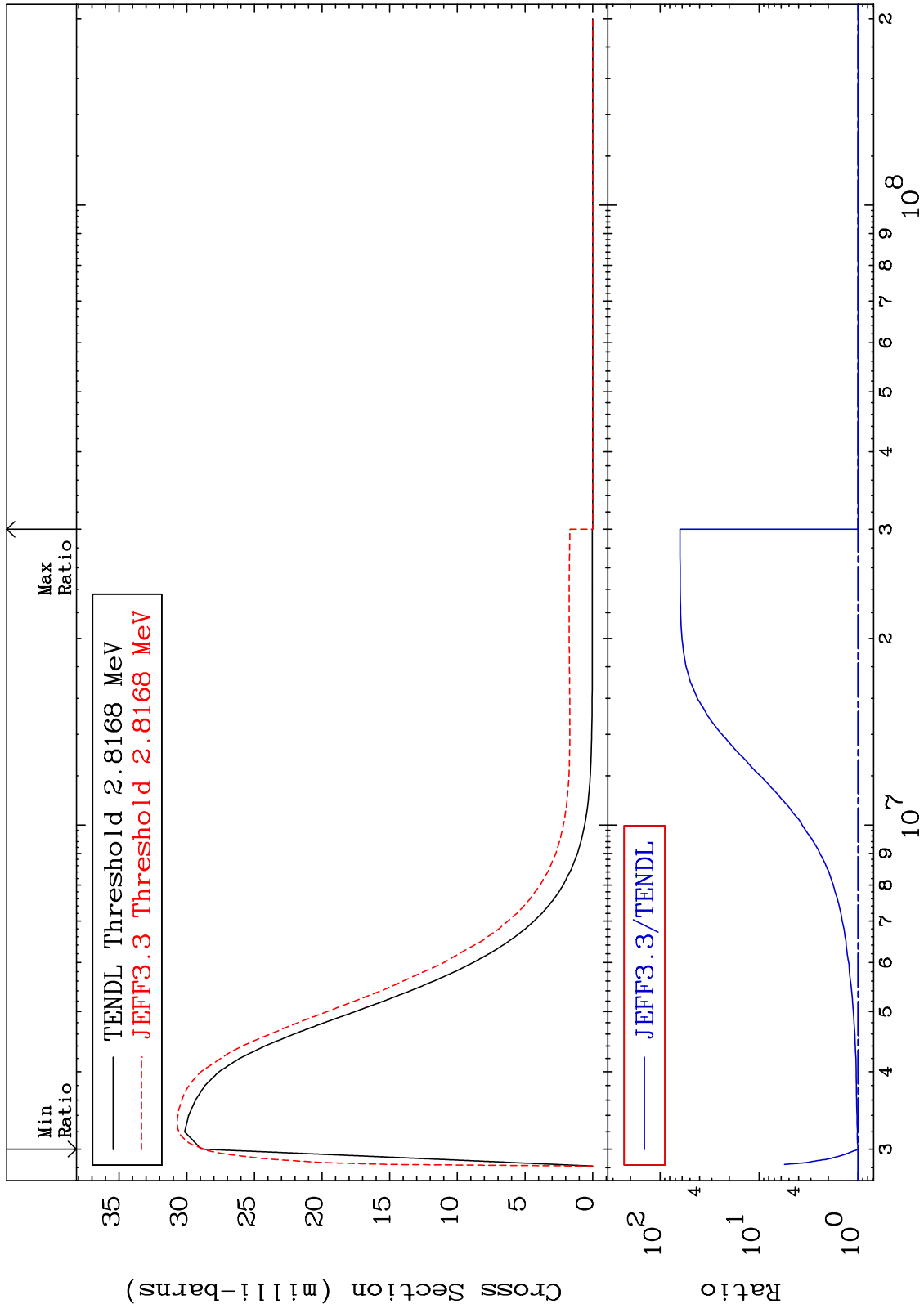
22-Ti-47

MAT 2228 MT= 76 (n,n') Level Cross Section 22-Ti-47
 0.000 To 9999. %





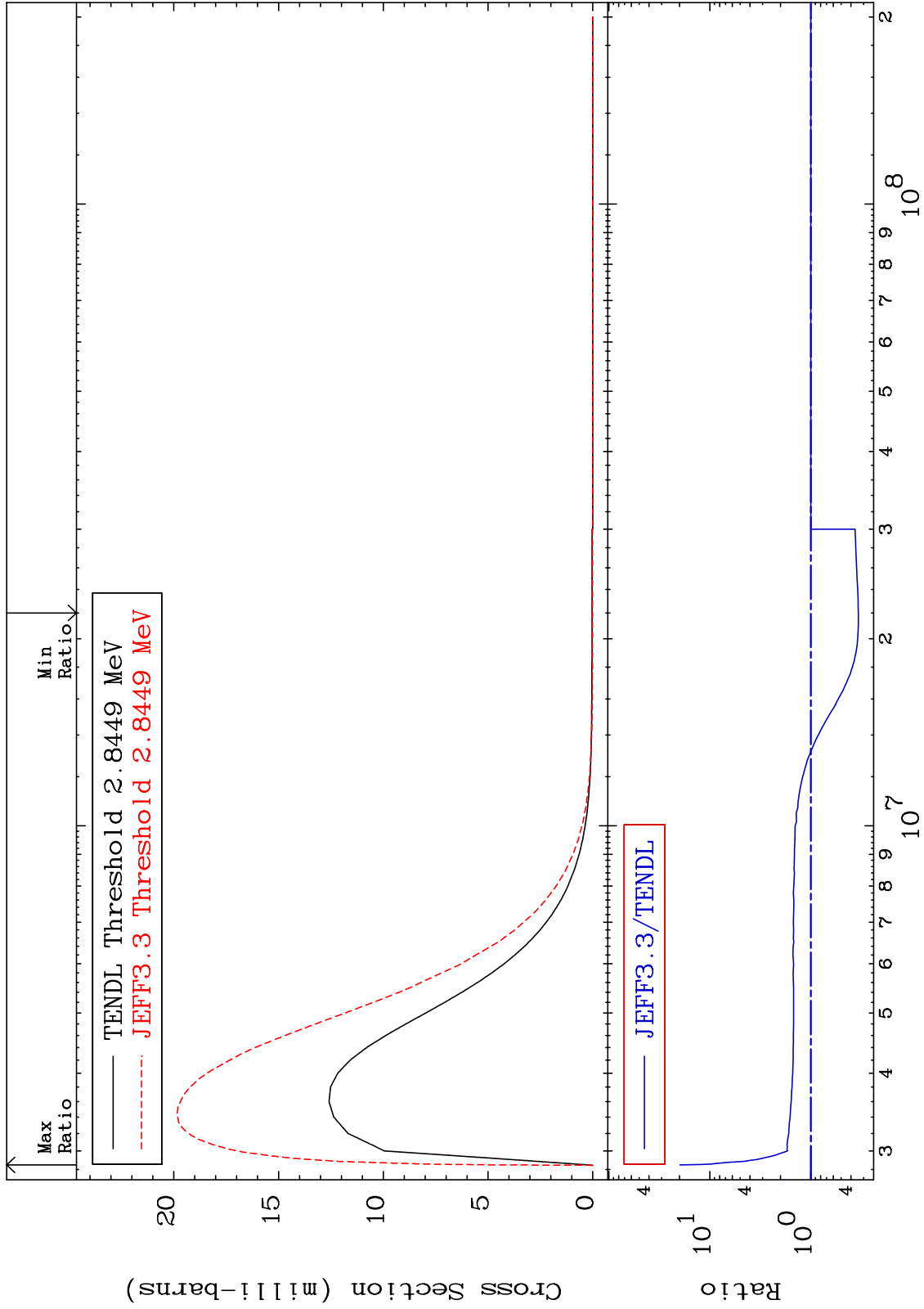
MAT 2228 MT= 78 (n, n') Level Cross Section -0.721 To 6198. % 22-Ti-47



MAT 2228

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

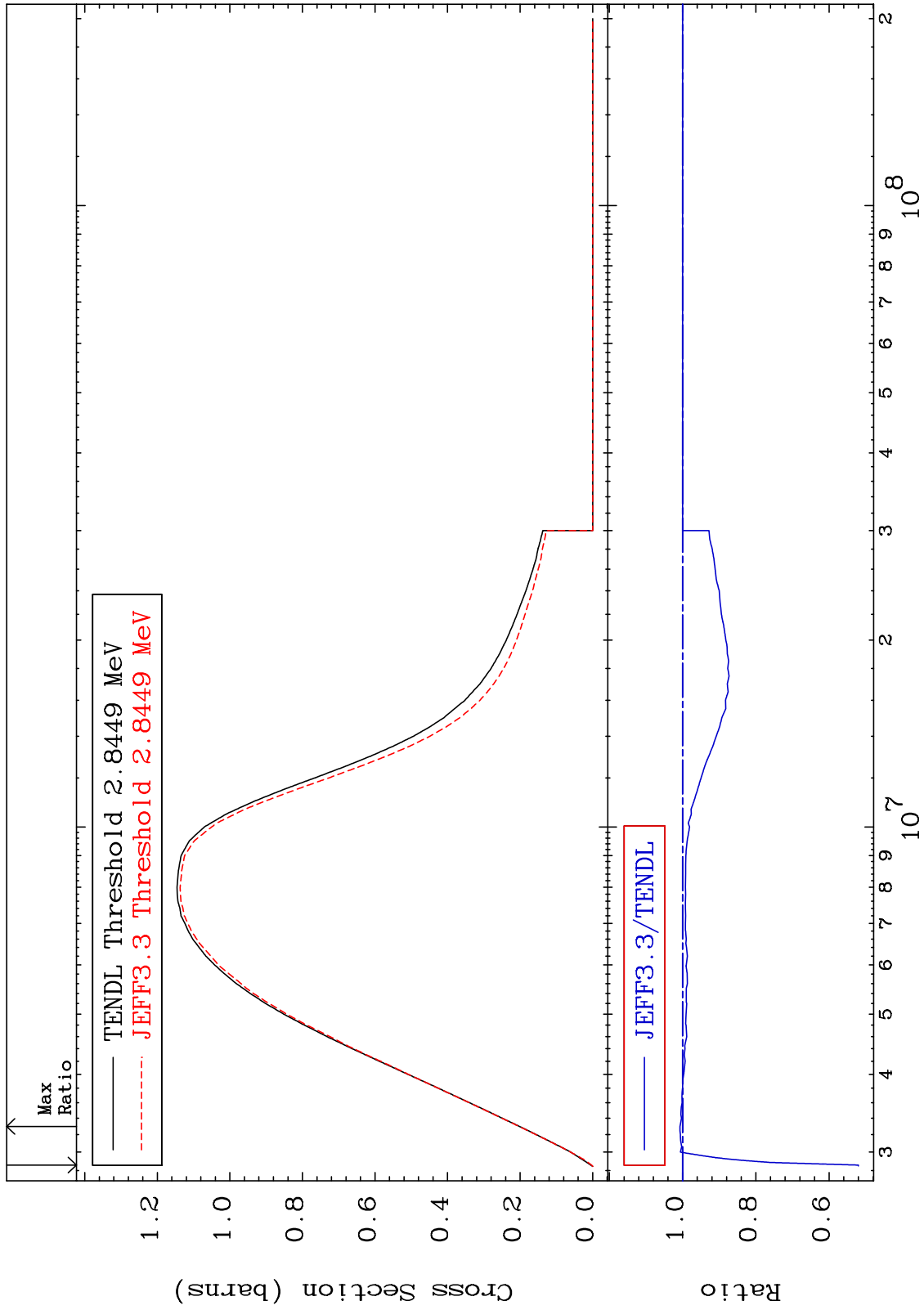
22-Ti-47
-66.20 To 1872. %



MAT 2228

(n, n') Continuum
Cross Section

22-Ti-47
-47.99 To 0.716 %



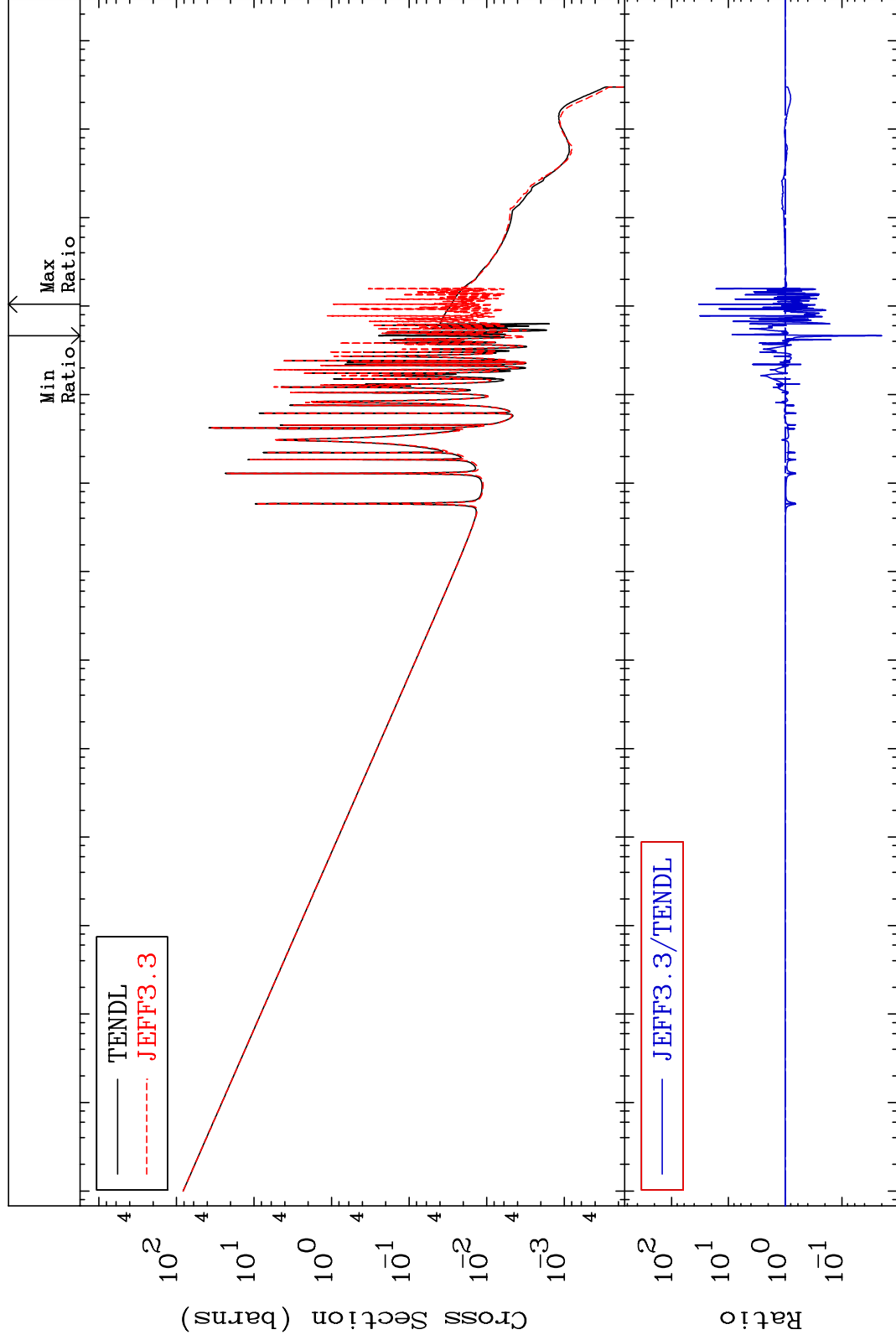
MAT 2228

(n, γ)

22-Ti-47

Cross Section

-97.99 To 3228. %



46

Incident Energy (eV)

22-Ti-47

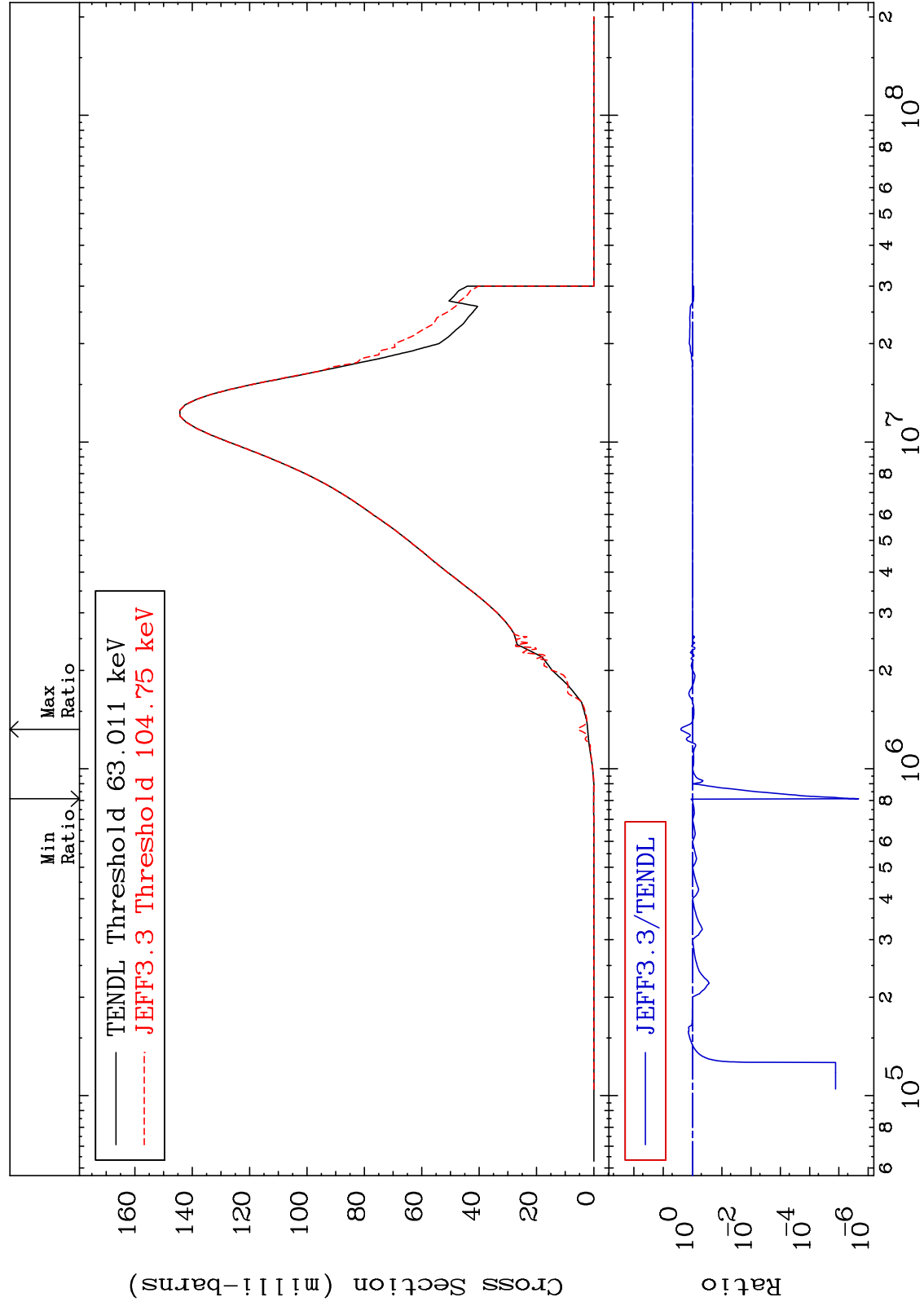
MAT 2228

(n,p)

²²Ti-47

Cross Section

-100.0 To 149.7 %



47

²²Ti-47

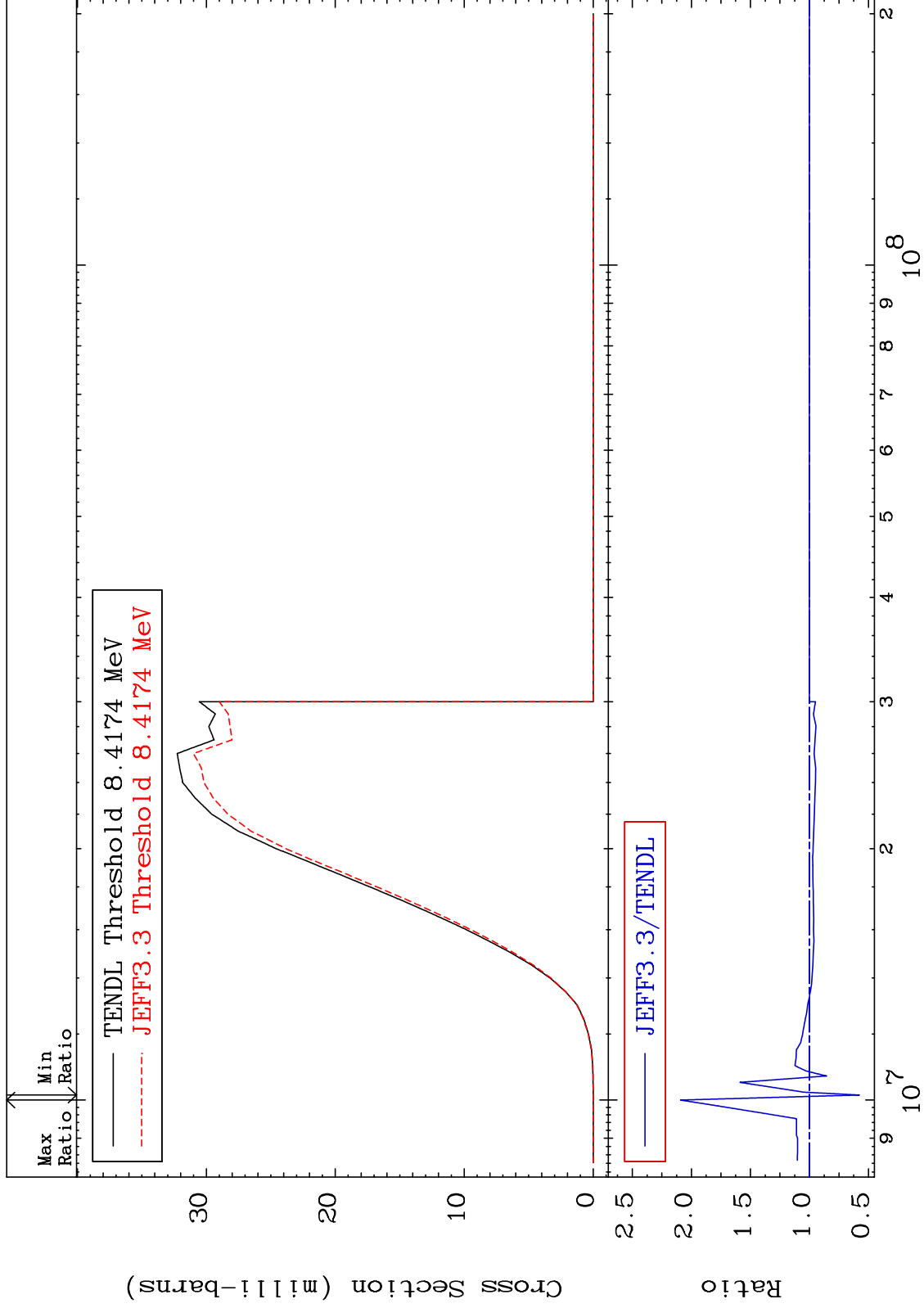
MAT 2228

(n, d)

22-Ti-47

Cross Section

-42.12 To 109.1 %



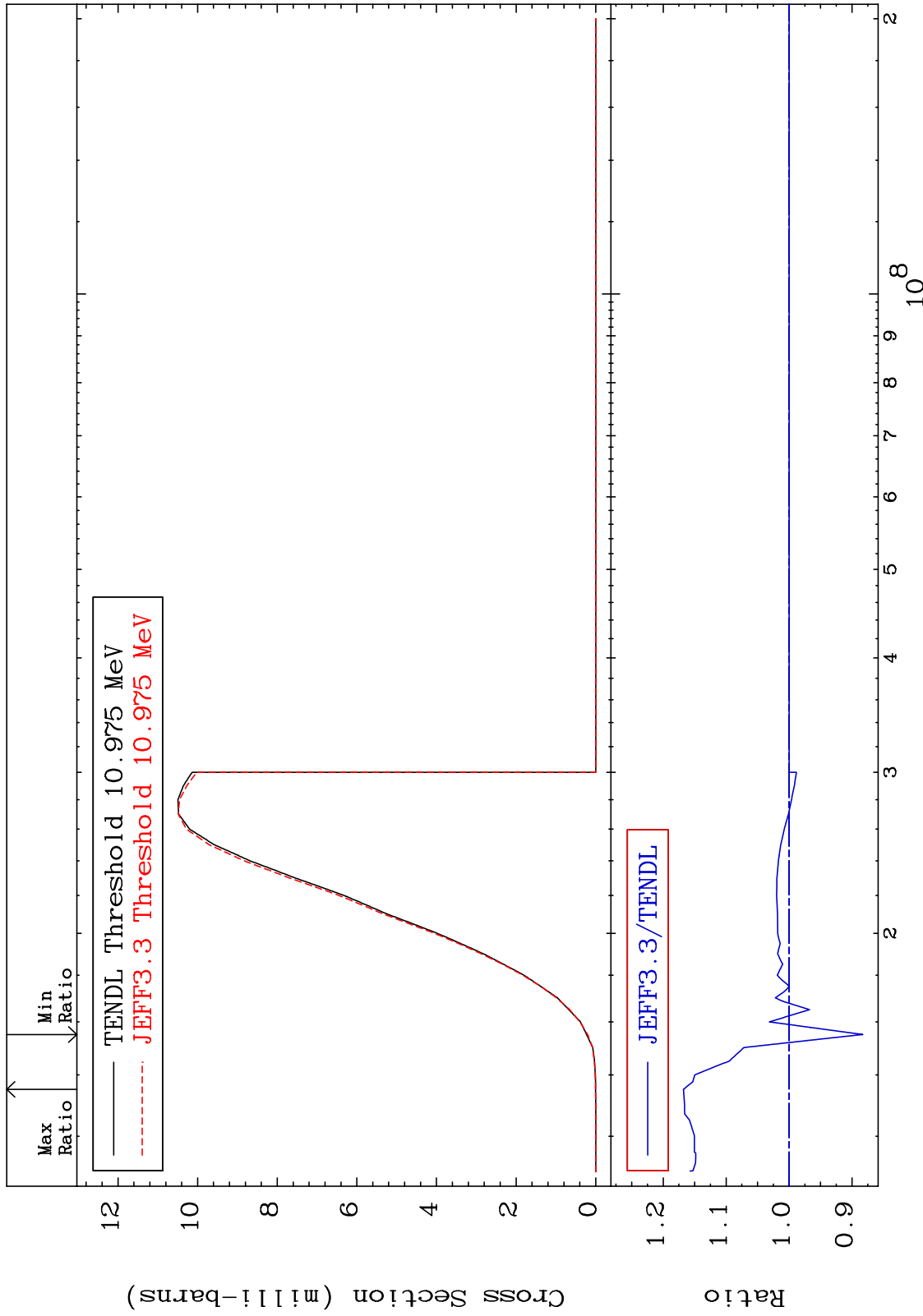
48

Incident Energy (eV)

22-Ti-47

Cross Section

-11.72 To 16.77 %



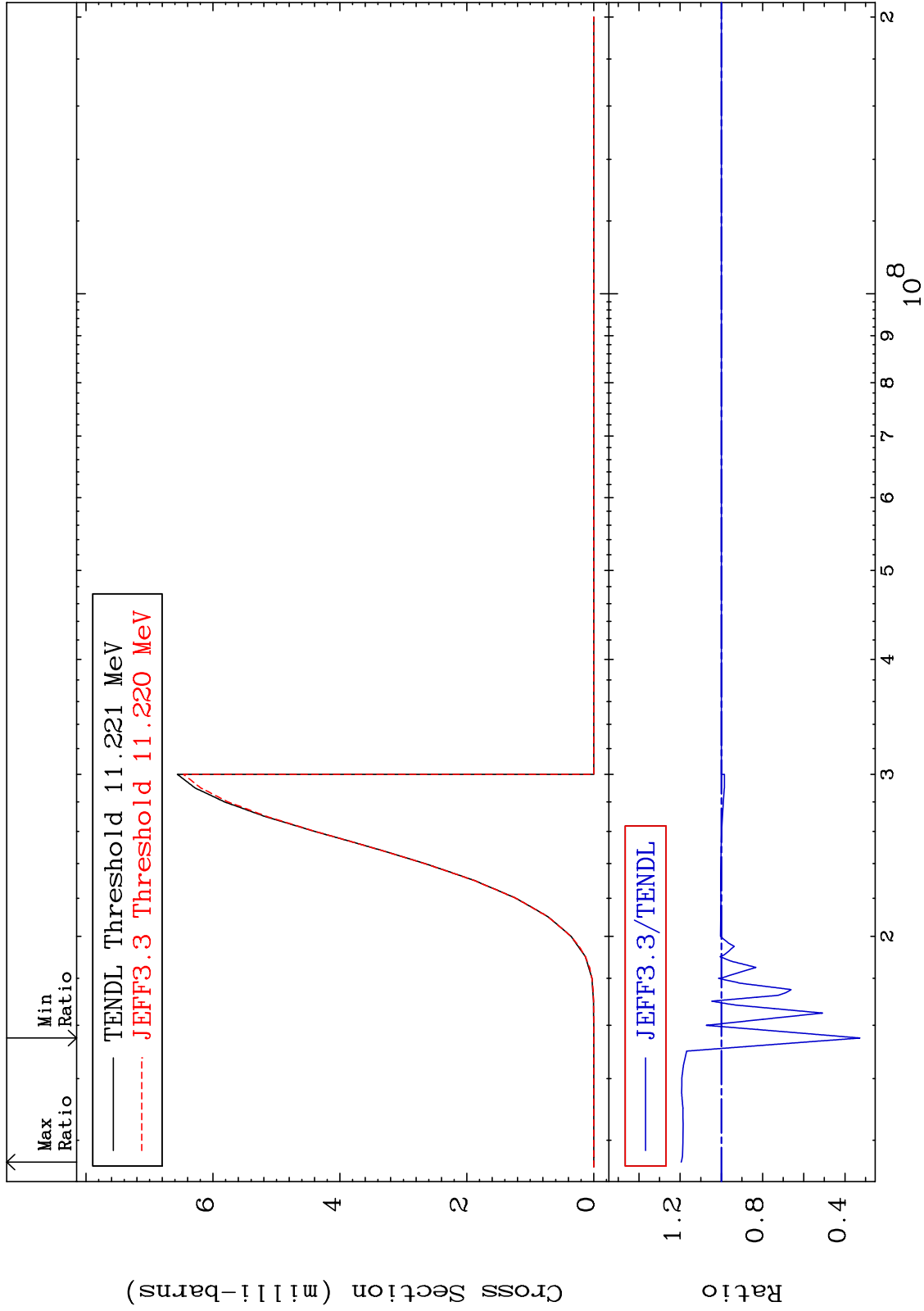
MAT 2228

(n, He-3)

22-Ti-47

Cross Section

-67.25 To 19.47 %



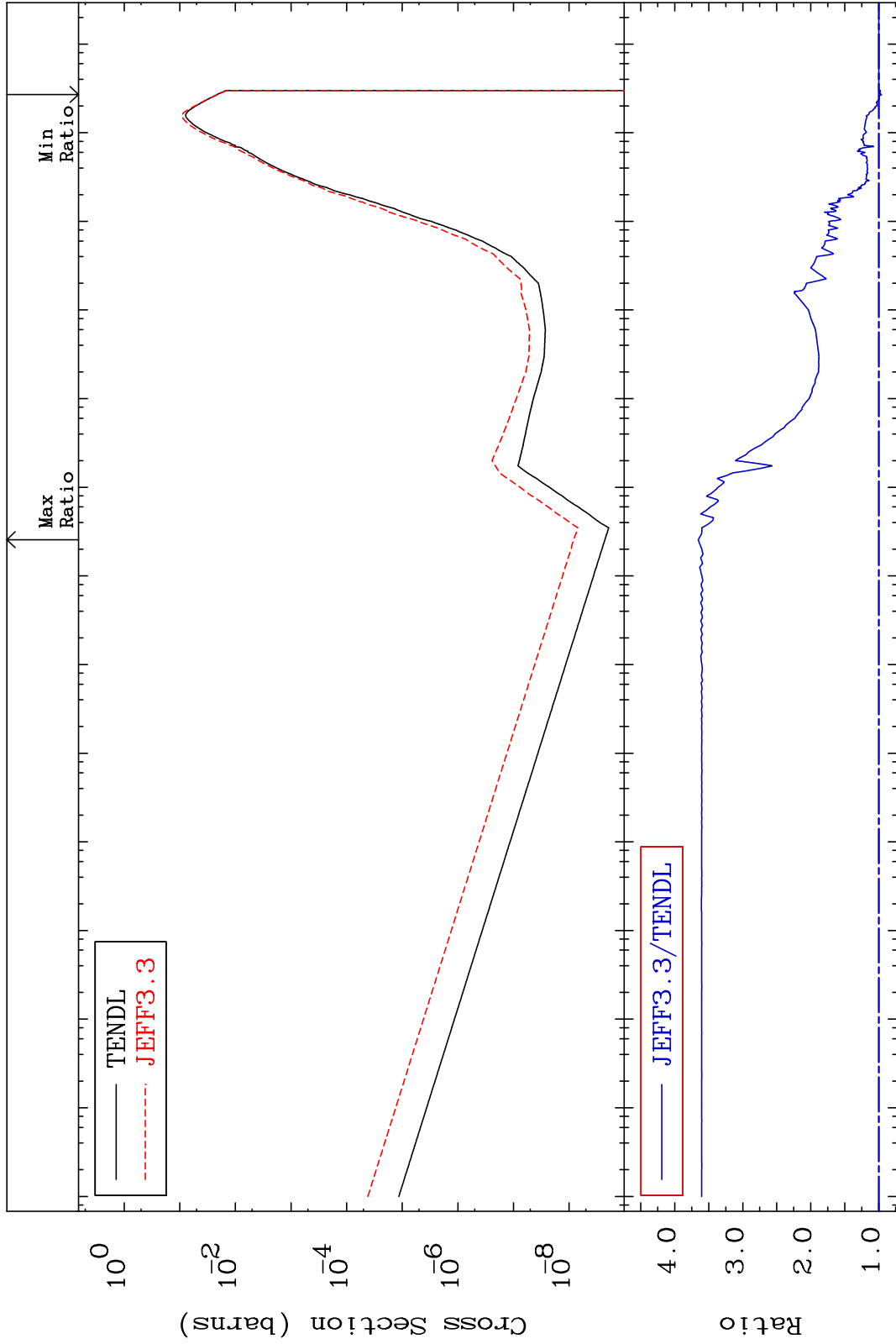
MAT 2228

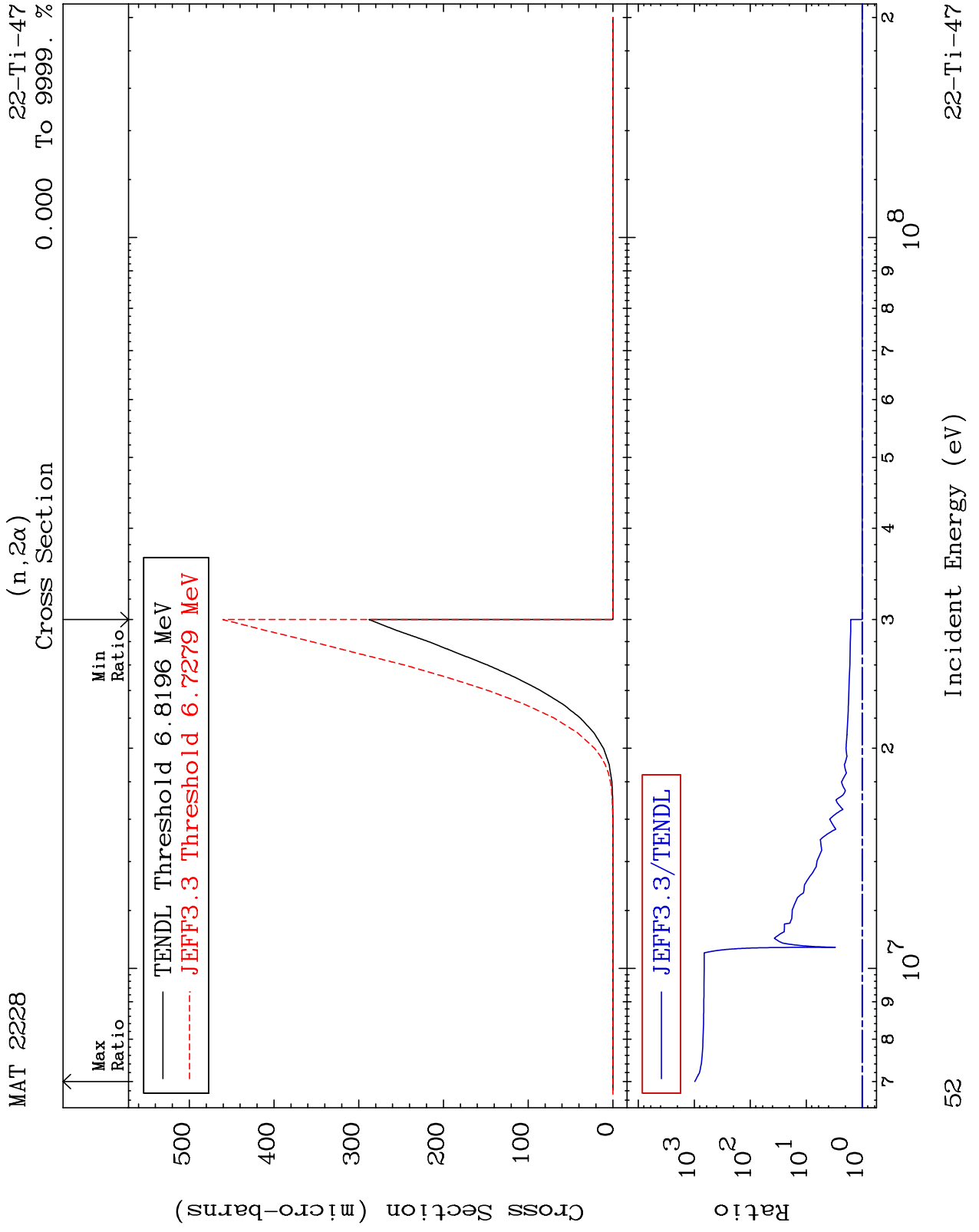
(n, α)

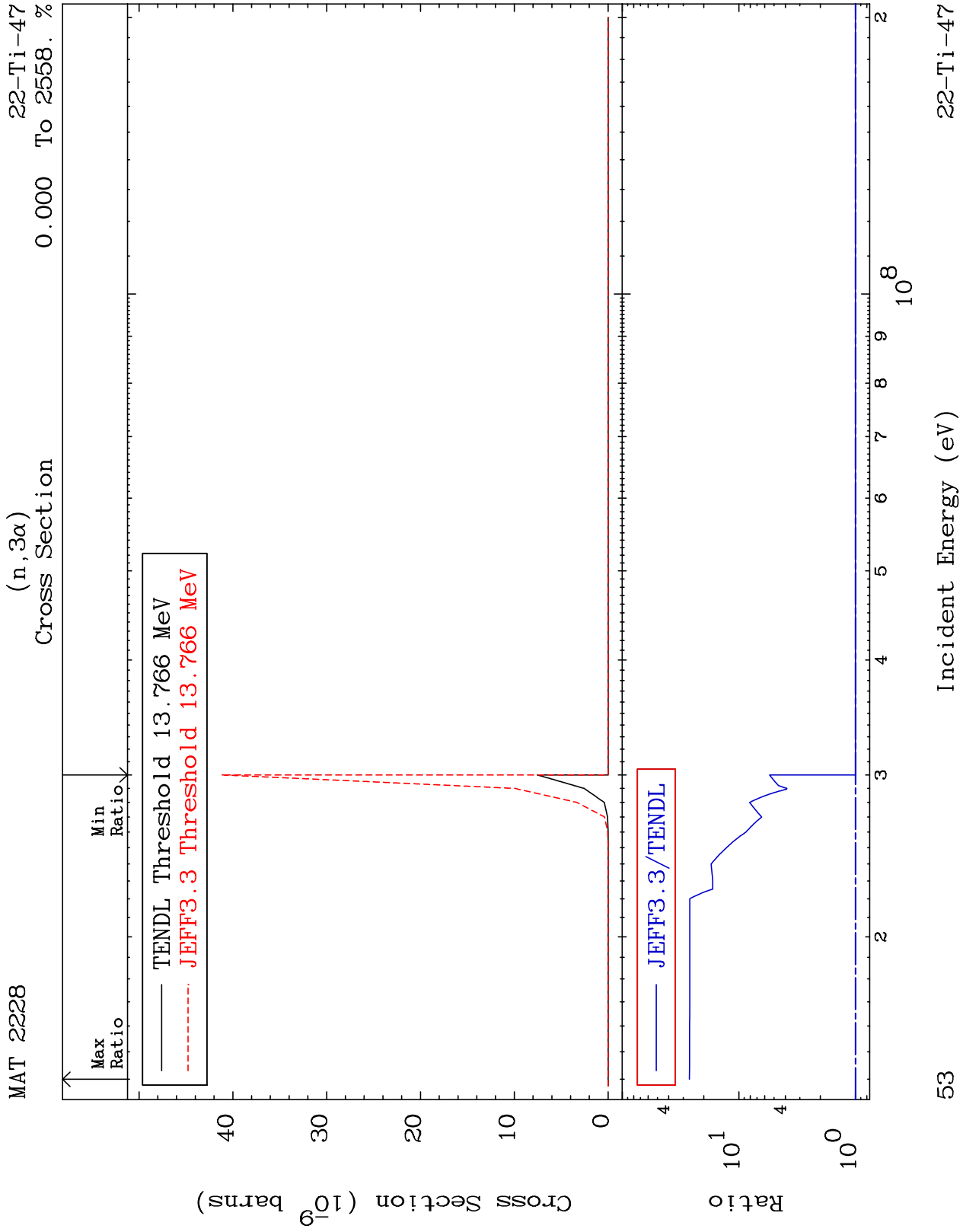
22-Ti-47

Cross Section

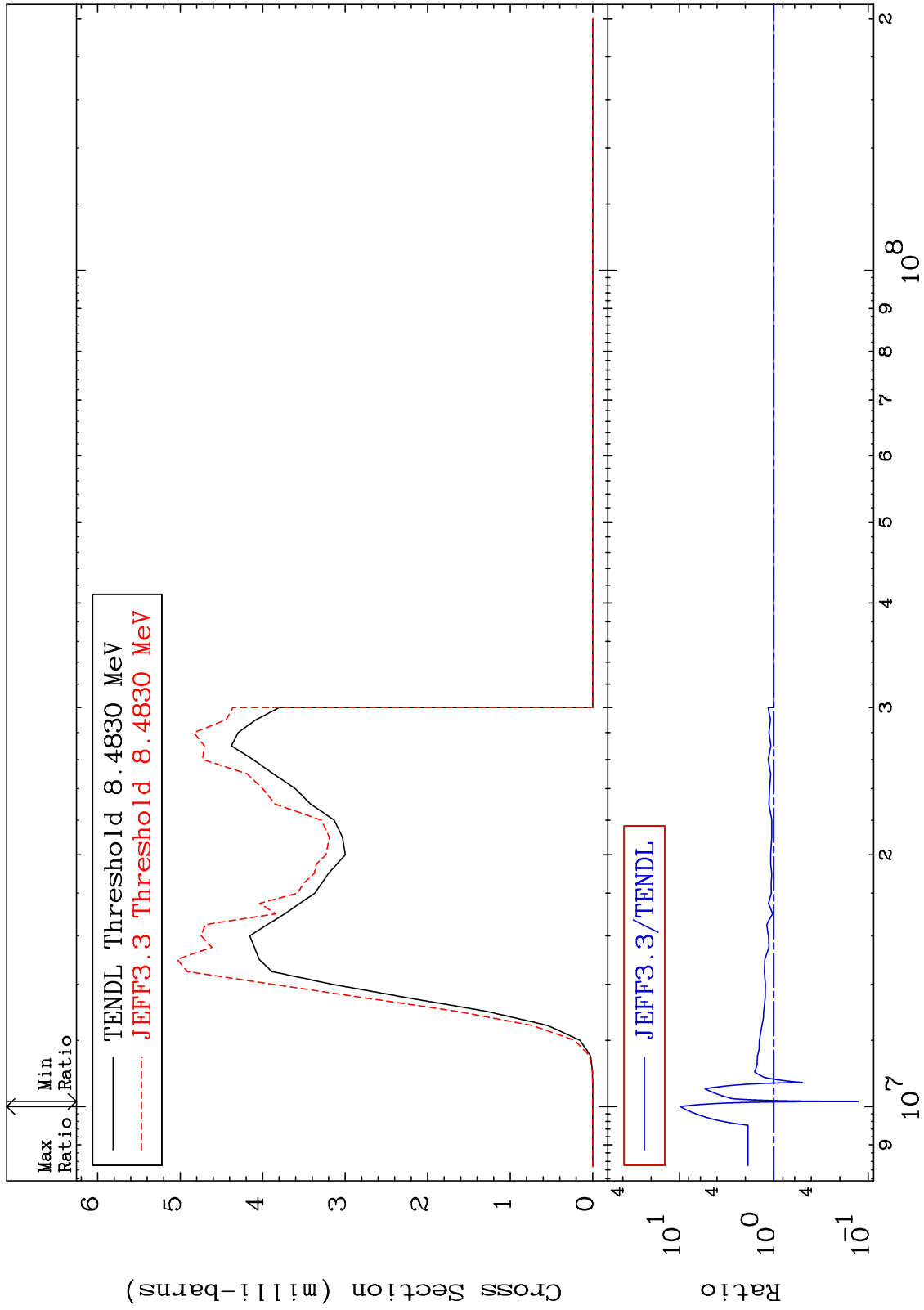
-4.159 To 265.3 %







MAT 2228 (n,2p) Cross Section 22-Ti-47
 -87.33 To 888.5 %



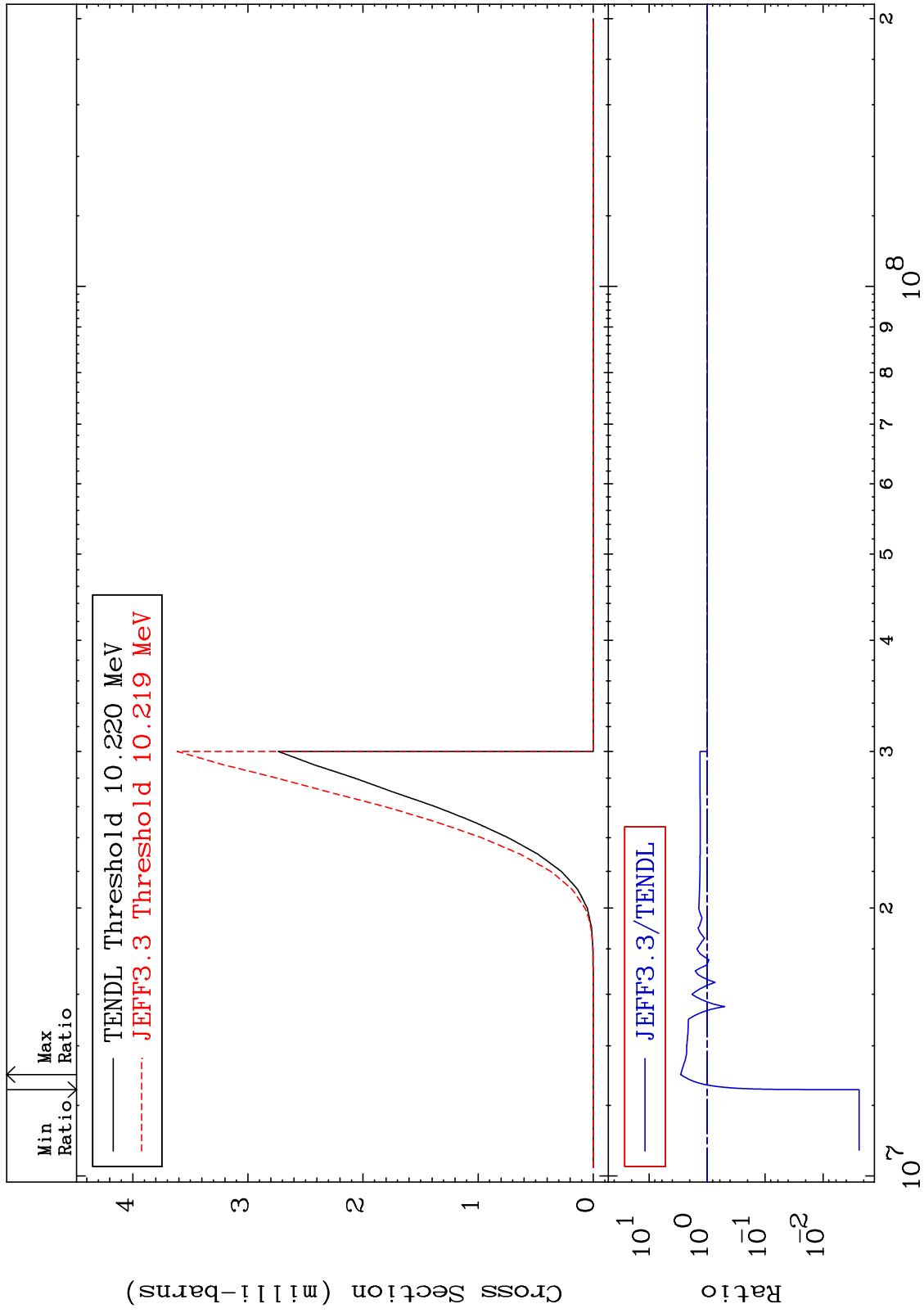
MAT 2228

(n,p) α

22-Ti-47

Cross Section

-99.76 To 185.8 %



55

Incident Energy (eV)

22-Ti-47

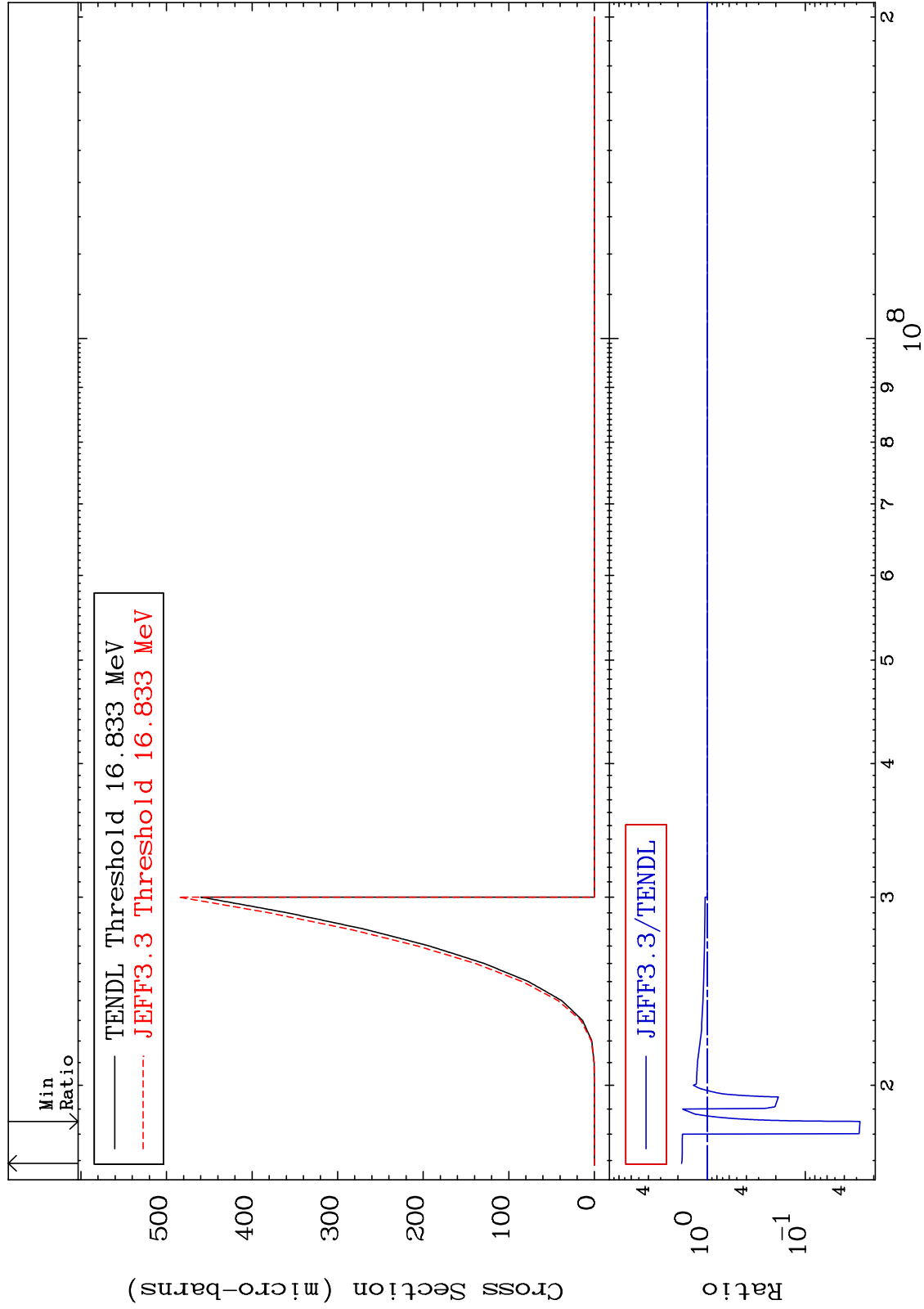
MAT 2228

(n,p) d

22-Ti-47

Cross Section

-97.24 To 83.00 %



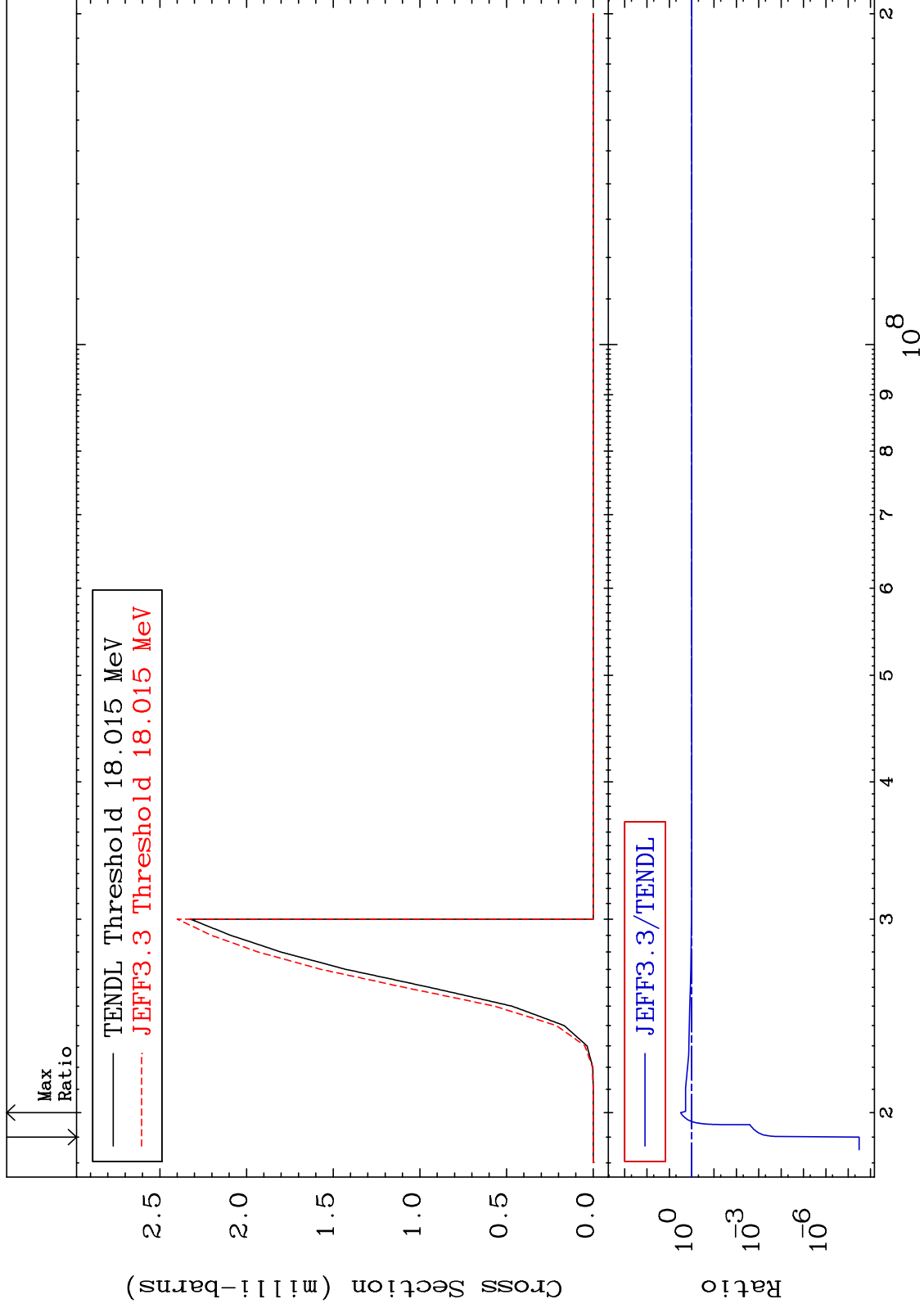
MAT 2228

(n,p) t

22-Ti-47

Cross Section

-100.0 To 212.7 %



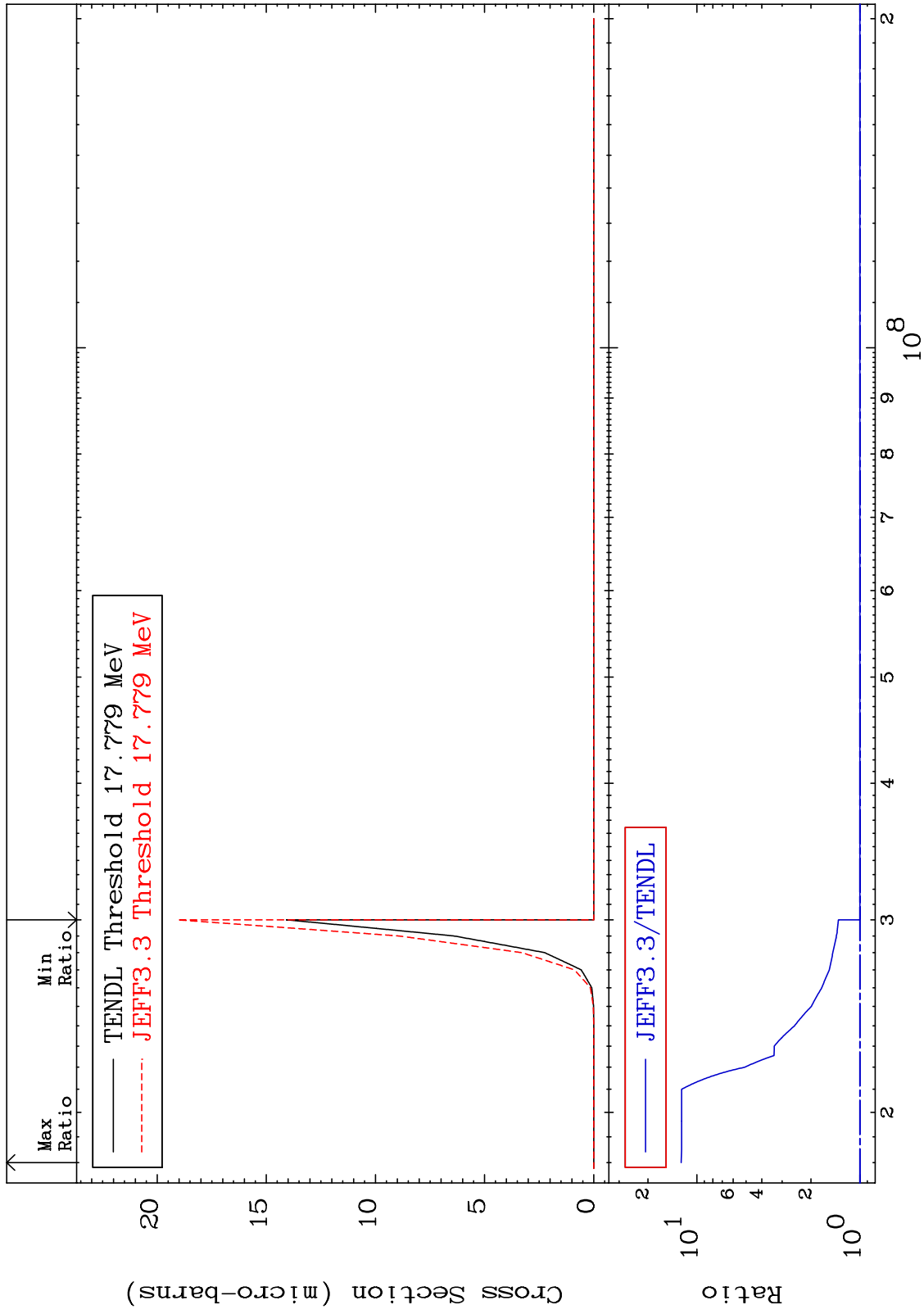
MAT 2228

(n,d) α

22-Ti-47

Cross Section

0.000 To 1149. %



58

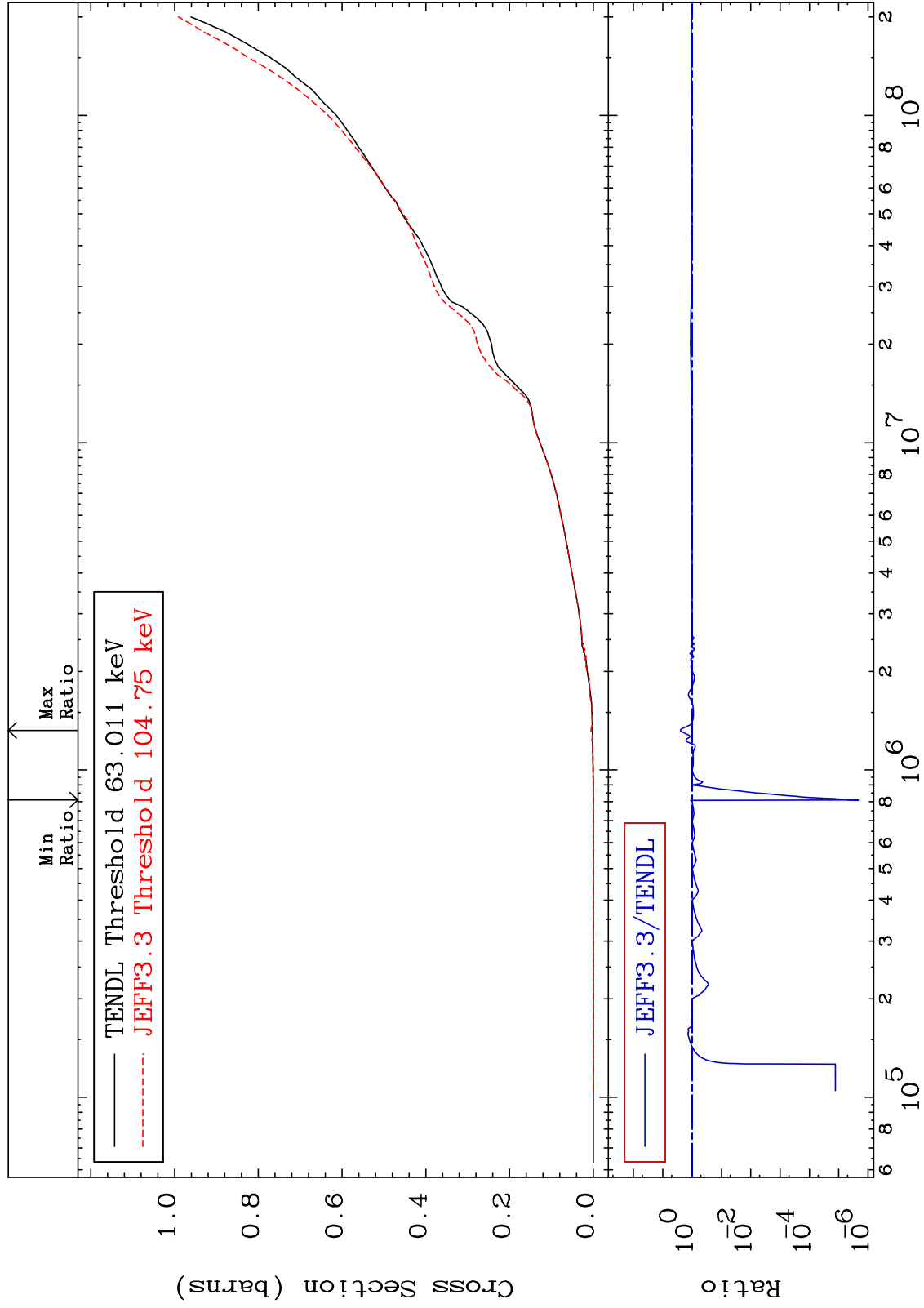
Incident Energy (eV)

22-Ti-47

MAT 2228

Hydrogen Production
Cross Section

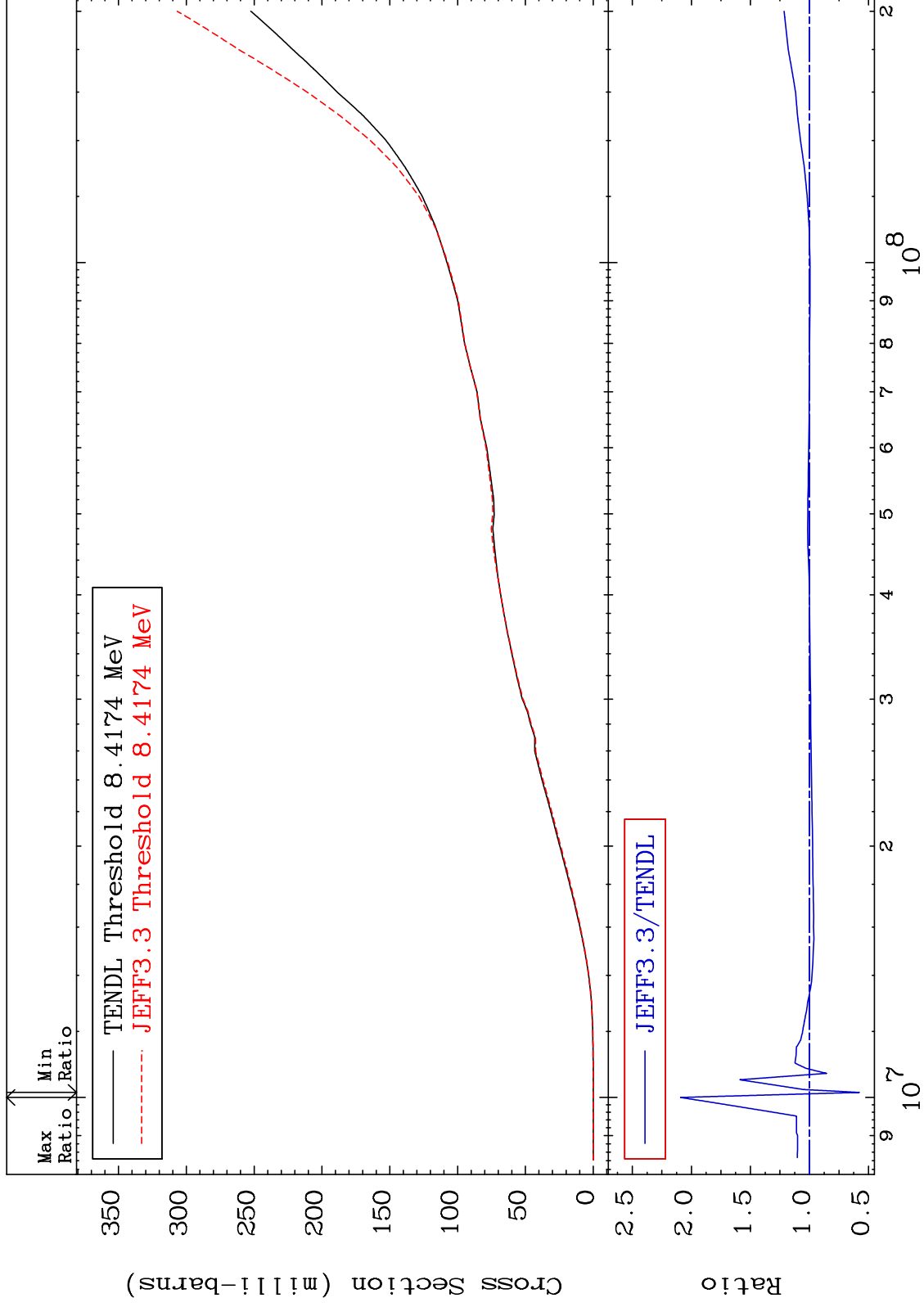
²²Ti-47
-100.0 To 149.7 %



MAT 2228

Deuterium Production
Cross Section

²²Ti-47
-42.12 To 109.1 %



60

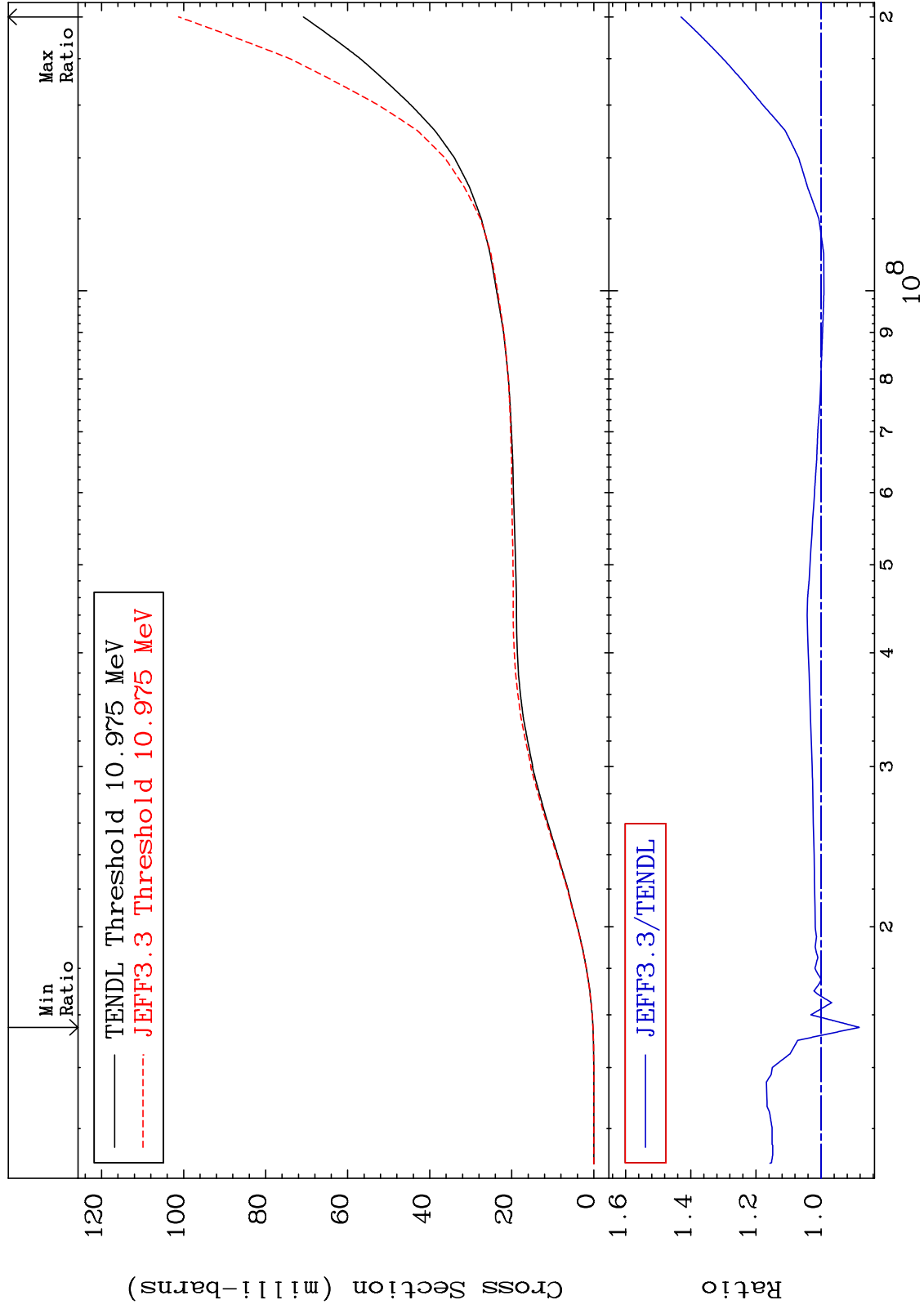
Incident Energy (eV)

²²Ti-47

MAT 2228

Tritium Production
Cross Section

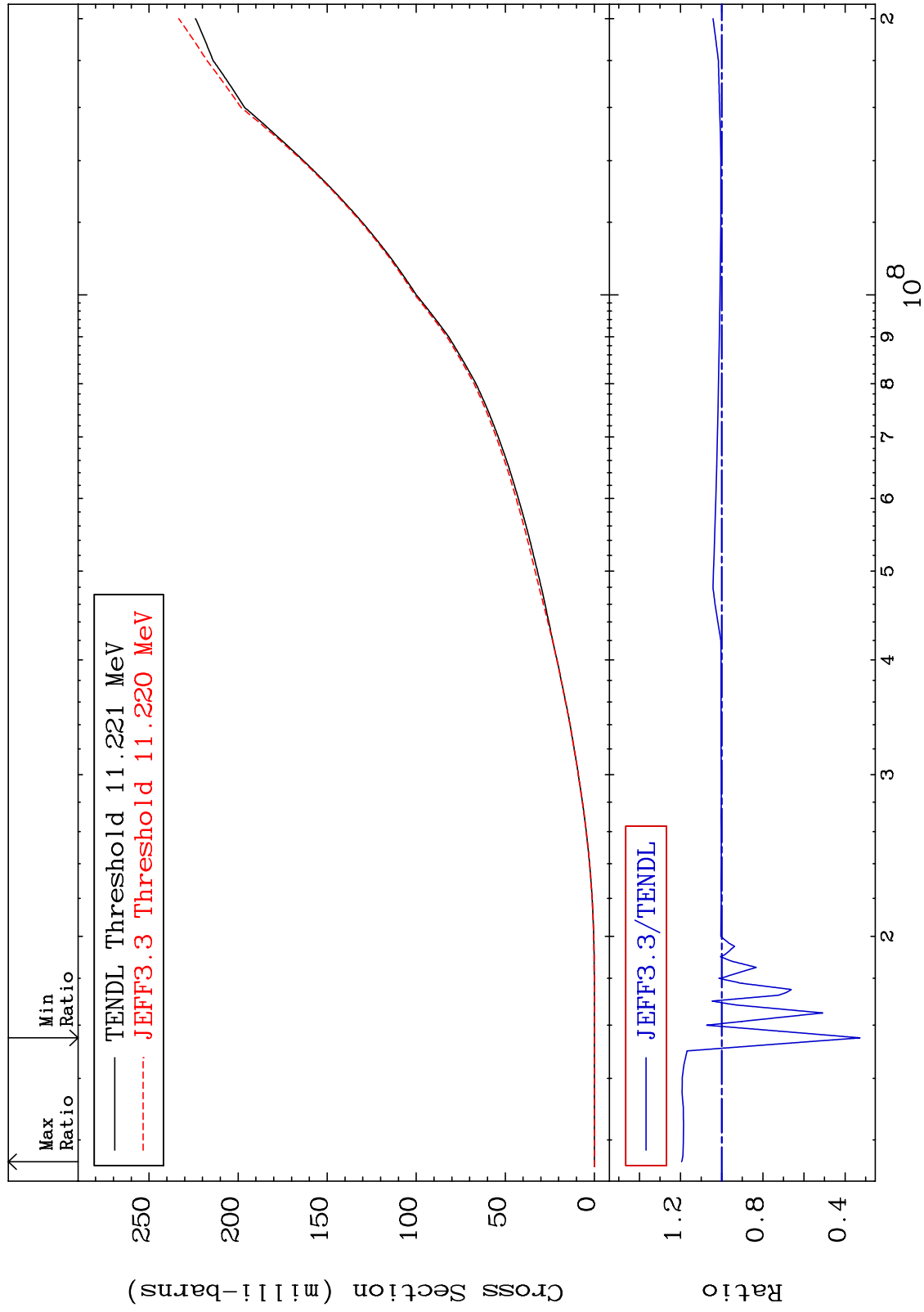
22-Ti-47
-11.72 To 42.99 %



MAT 2228

He-3 Production
Cross Section

22-Ti-47
-67.25 To 19.47 %



62

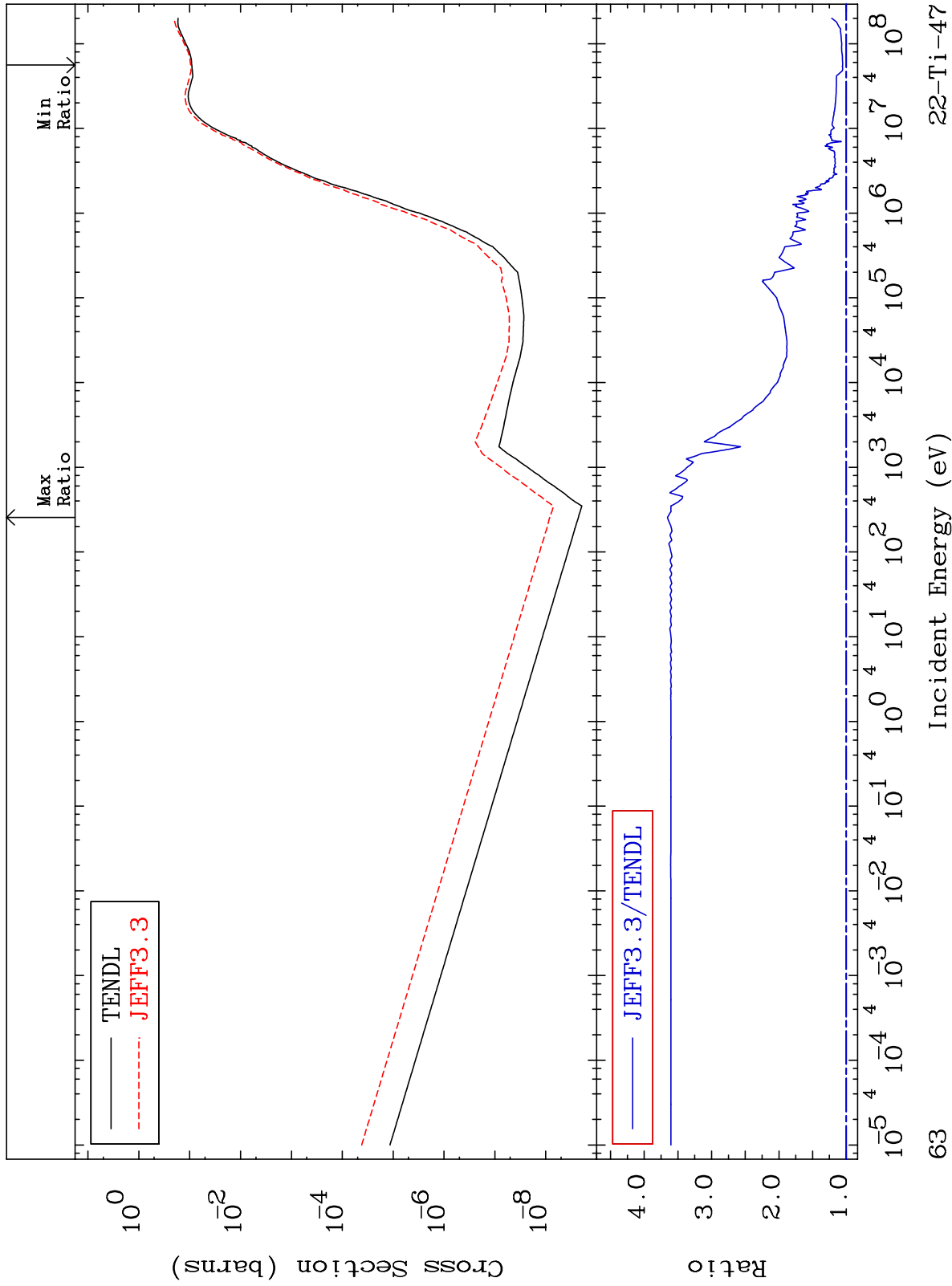
Incident Energy (eV)

22-Ti-47

MAT 2228

He-4 Production
Cross Section

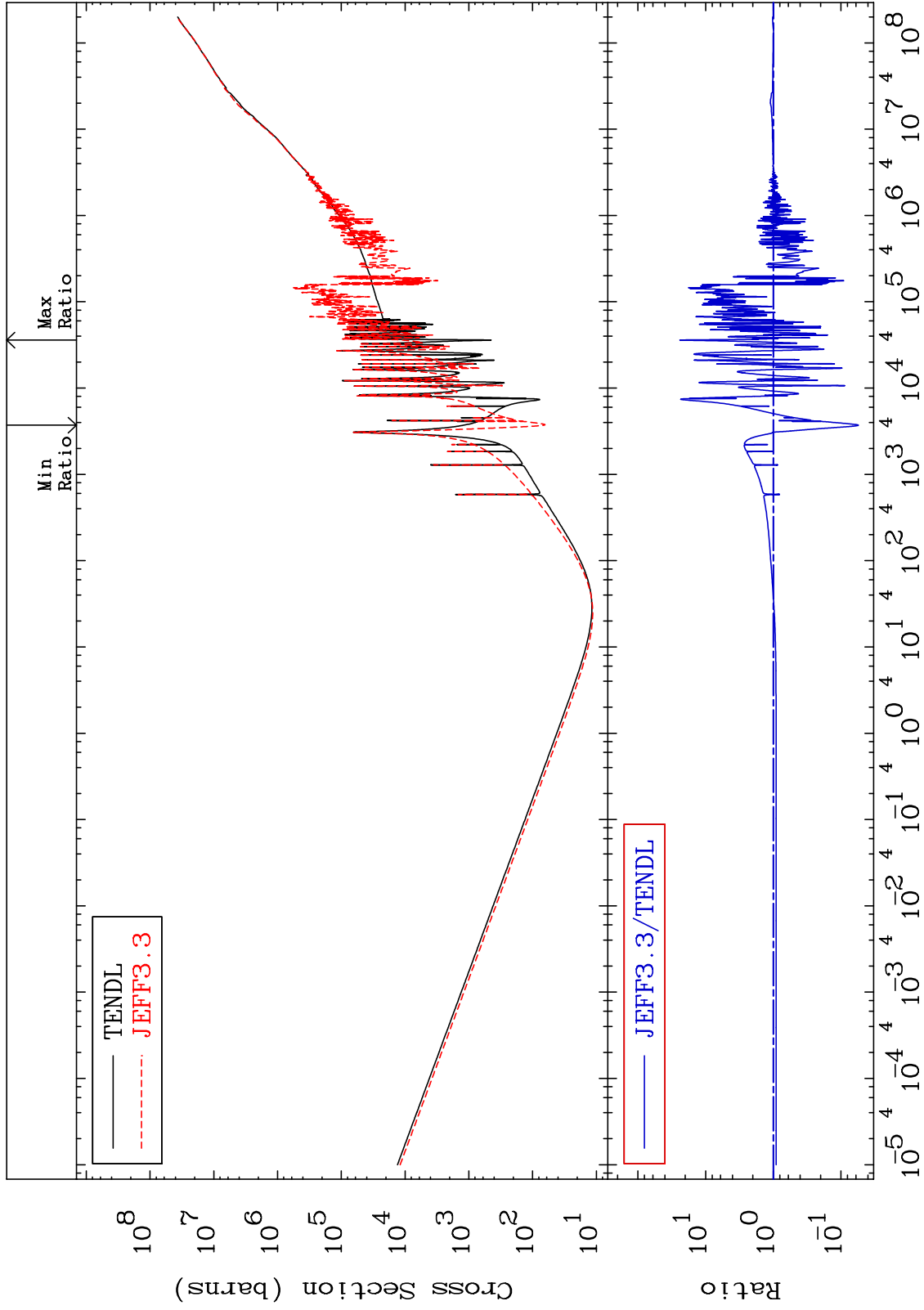
5.379 To 265.3 %
22-Ti-47



MAT 2228

Kerma total (eV-barns)
Cross Section

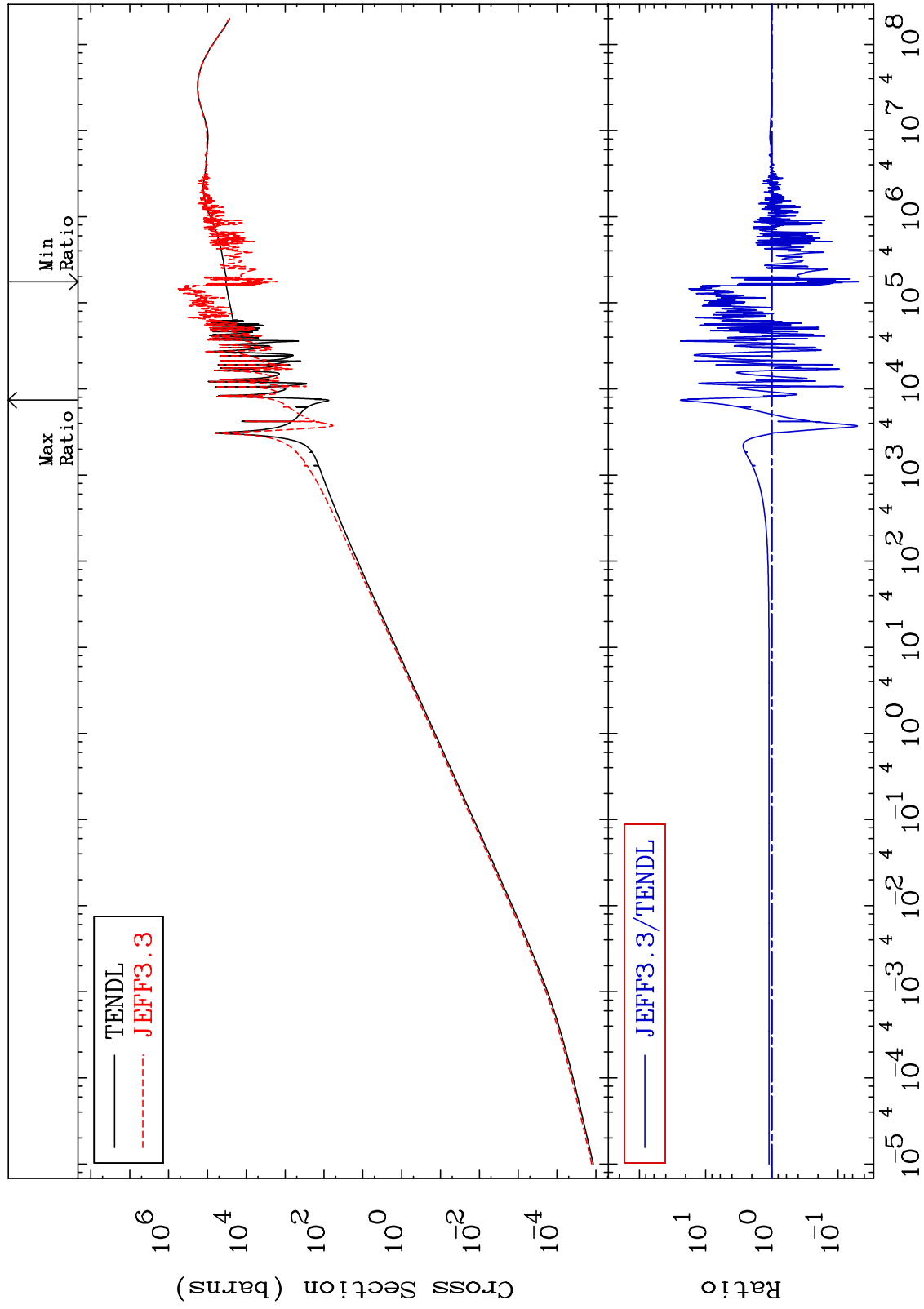
22-Ti-47
-94.48 To 2286. %



MAT 2228

Kerma elastic
Cross Section

22-Ti-47
-95.11 To 2301. %



65

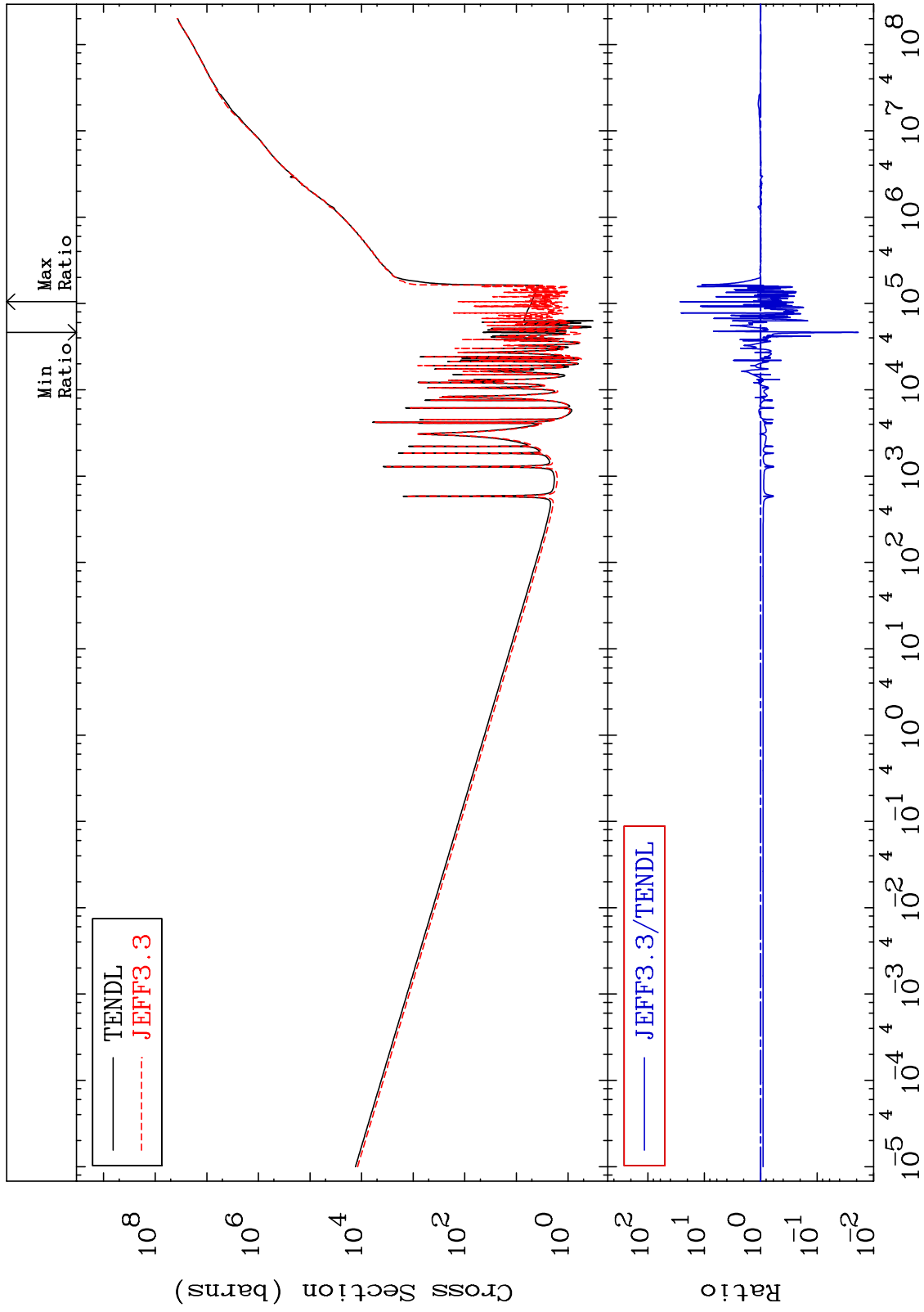
Incident Energy (eV)

22-Ti-47

MAT 2228

Kerma non-elastic (all but mt2)
Cross Section

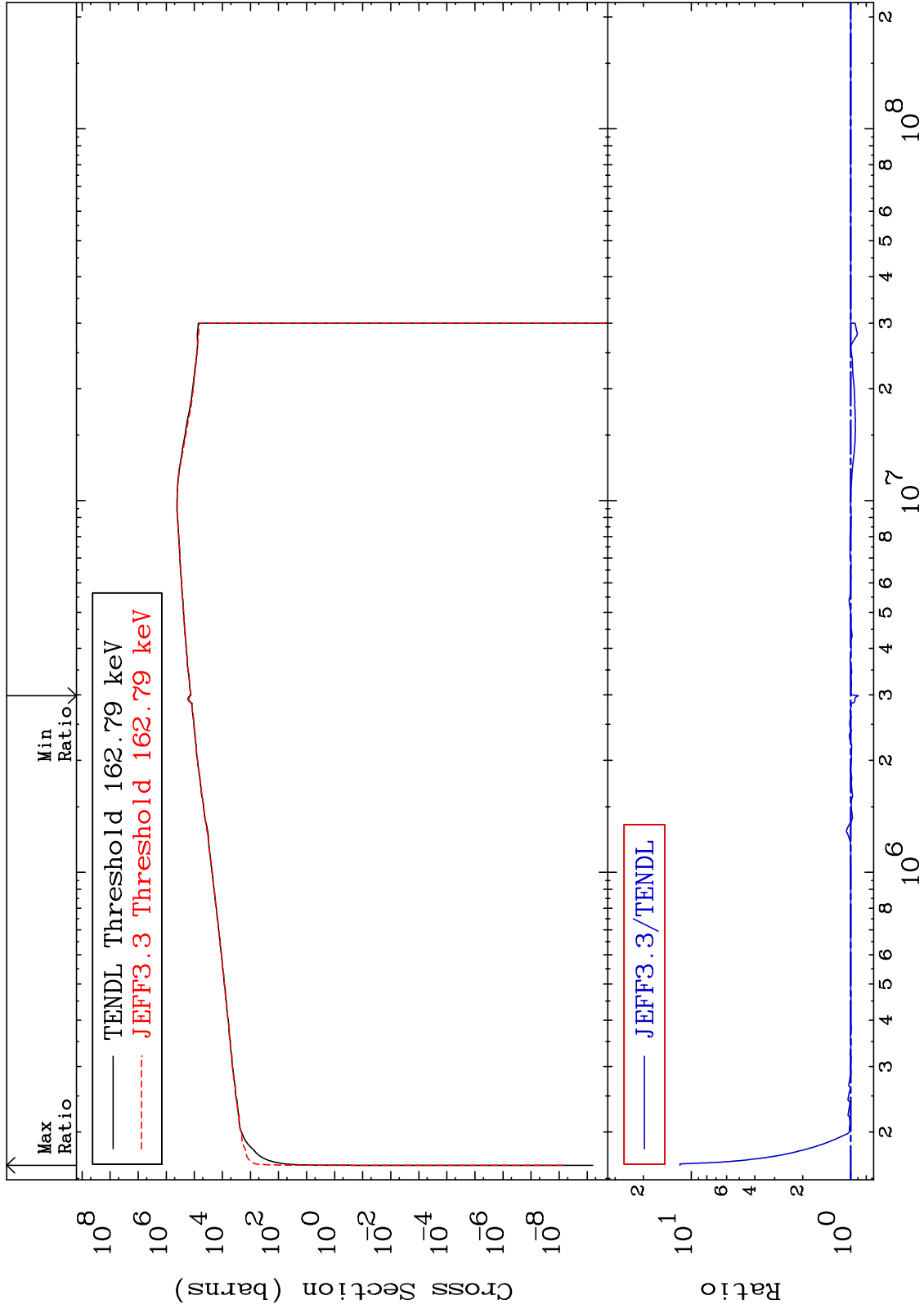
22-Ti-47
-98.14 To 2594. %



MAT 2228

Kerma inelastic (mt51-91)
Cross Section

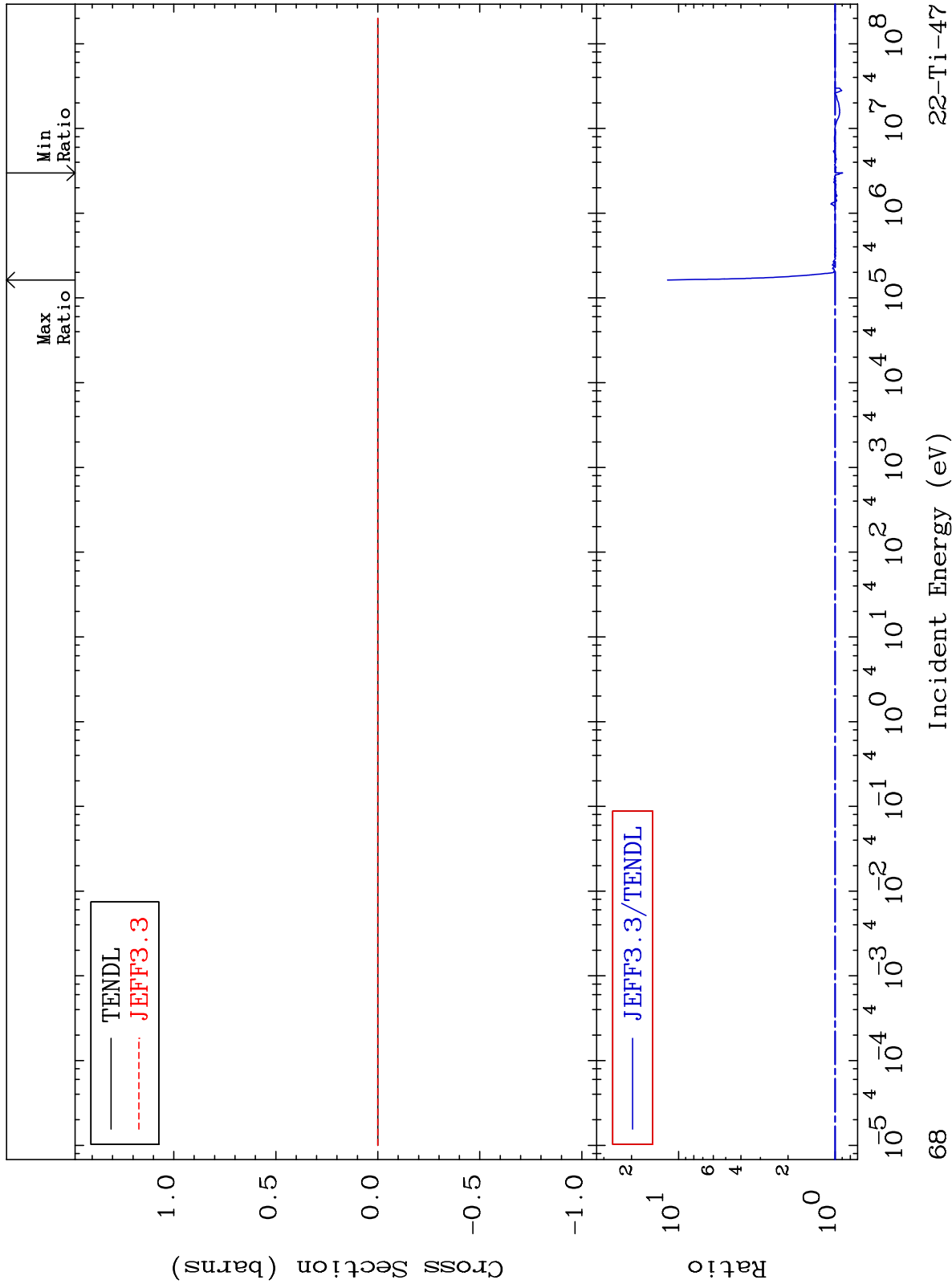
22-Ti-47
-10.56 To 1076. %



MAT 2228

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

22-Ti-47
-10.56 To 1076. %



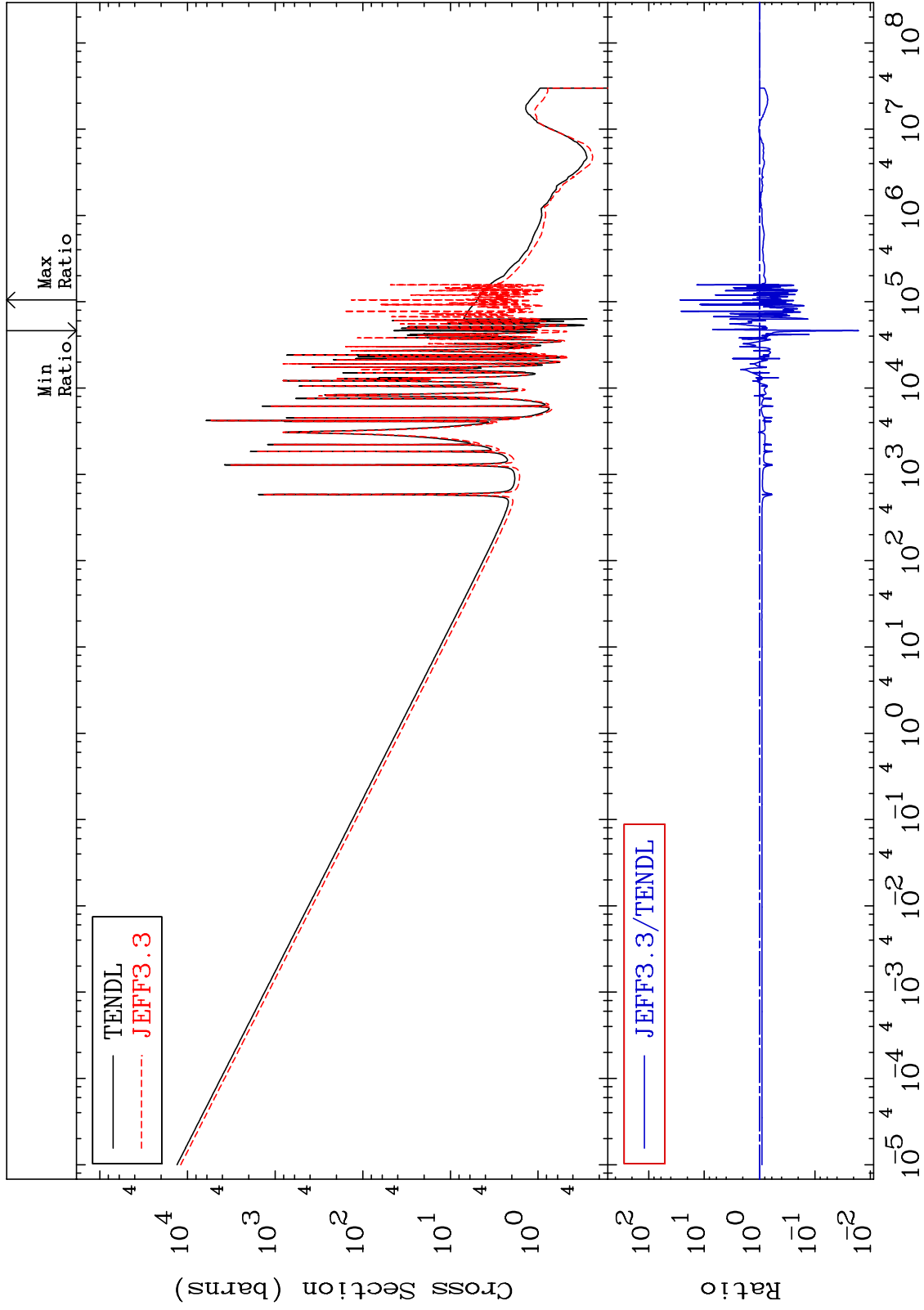
68

22-Ti-47

MAT 2228

Kerma capture (mt102)
Cross Section

22-Ti-47
-98.36 To 2624. %



69

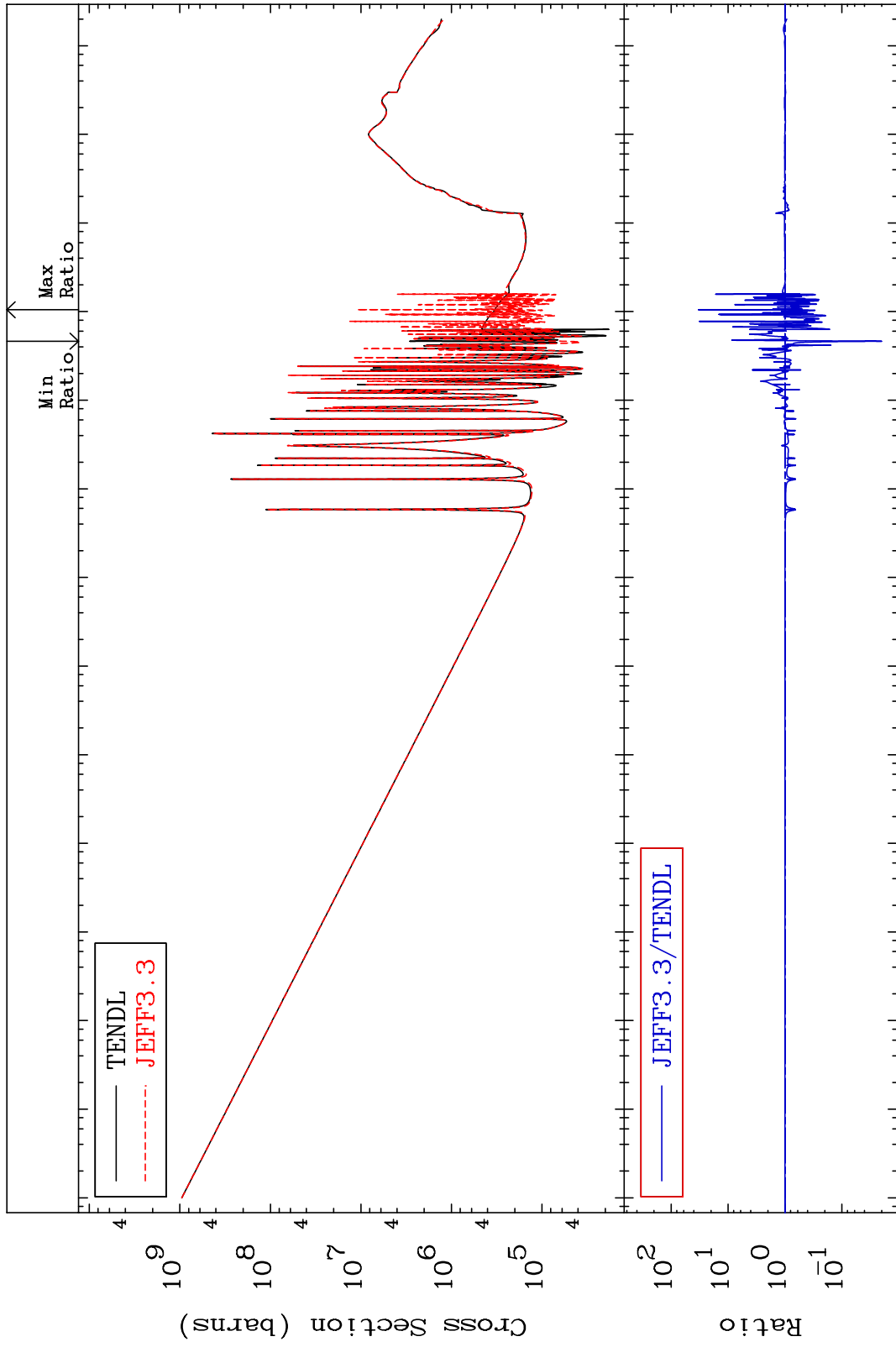
Incident Energy (eV)

22-Ti-47

MAT 2228

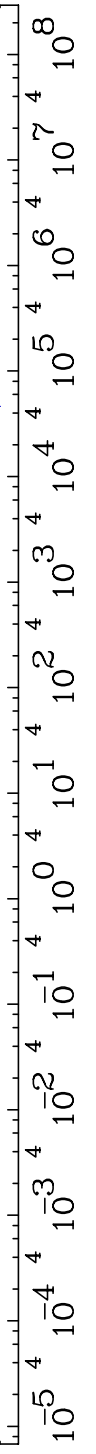
Total photon (eV-barns)
Cross Section

22-Ti-47
-97.99 To 3228. %



JEFF3.3/TENDL

Ratio



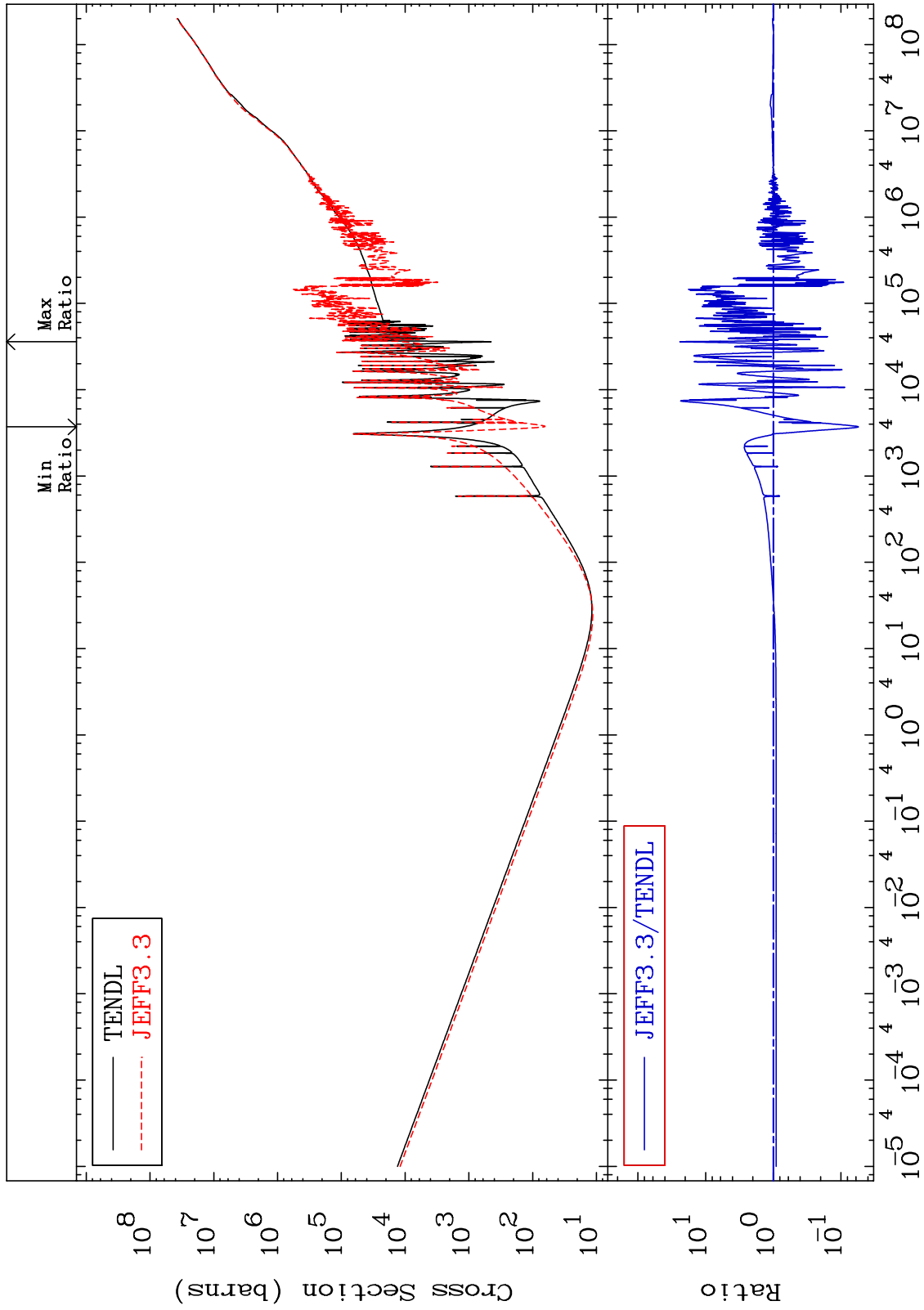
70

22-Ti-47

MAT 2228

Total kinematic kerma (high limit)
Cross Section

22-Ti-47
-94.48 To 2286. %



71

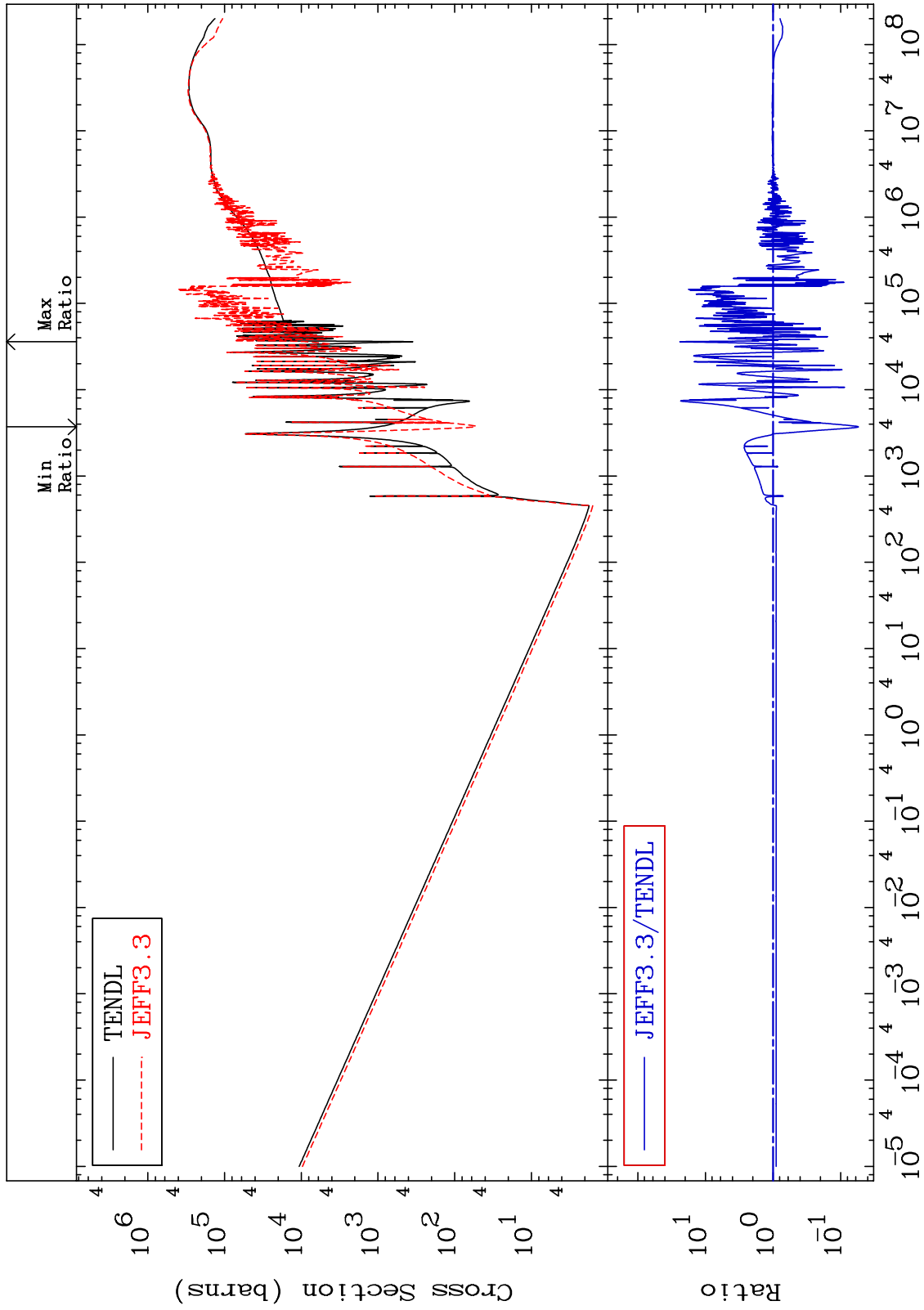
Incident Energy (eV)

22-Ti-47

MAT 2228

Dpa total (eV-barns)
Cross Section

22-Ti-47
-94.51 To 2286. %



72

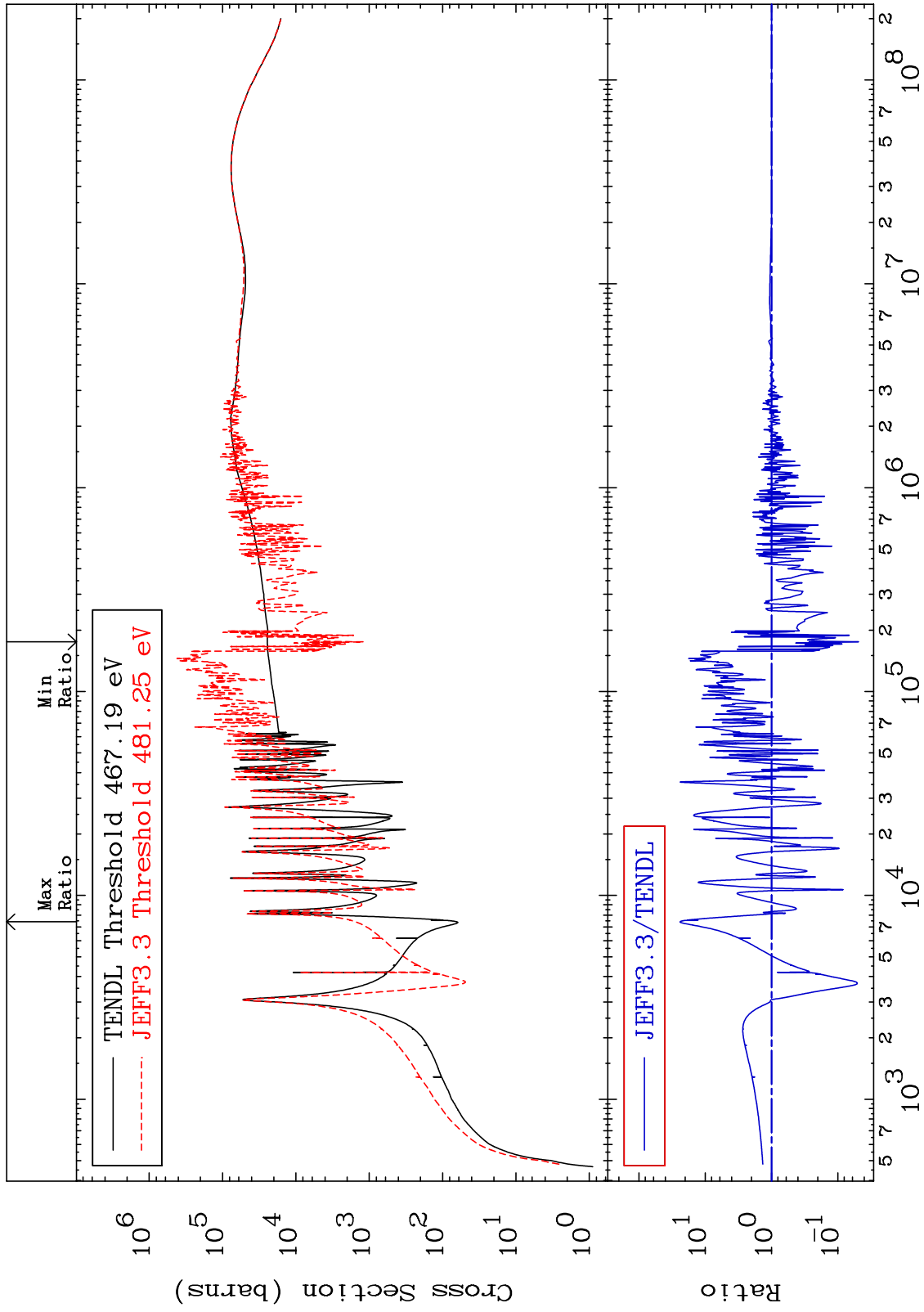
Incident Energy (eV)

22-Ti-47

MAT 2228

Dpa elastic (mt2)
Cross Section

22-Ti-47
-95.11 To 2301. %



73

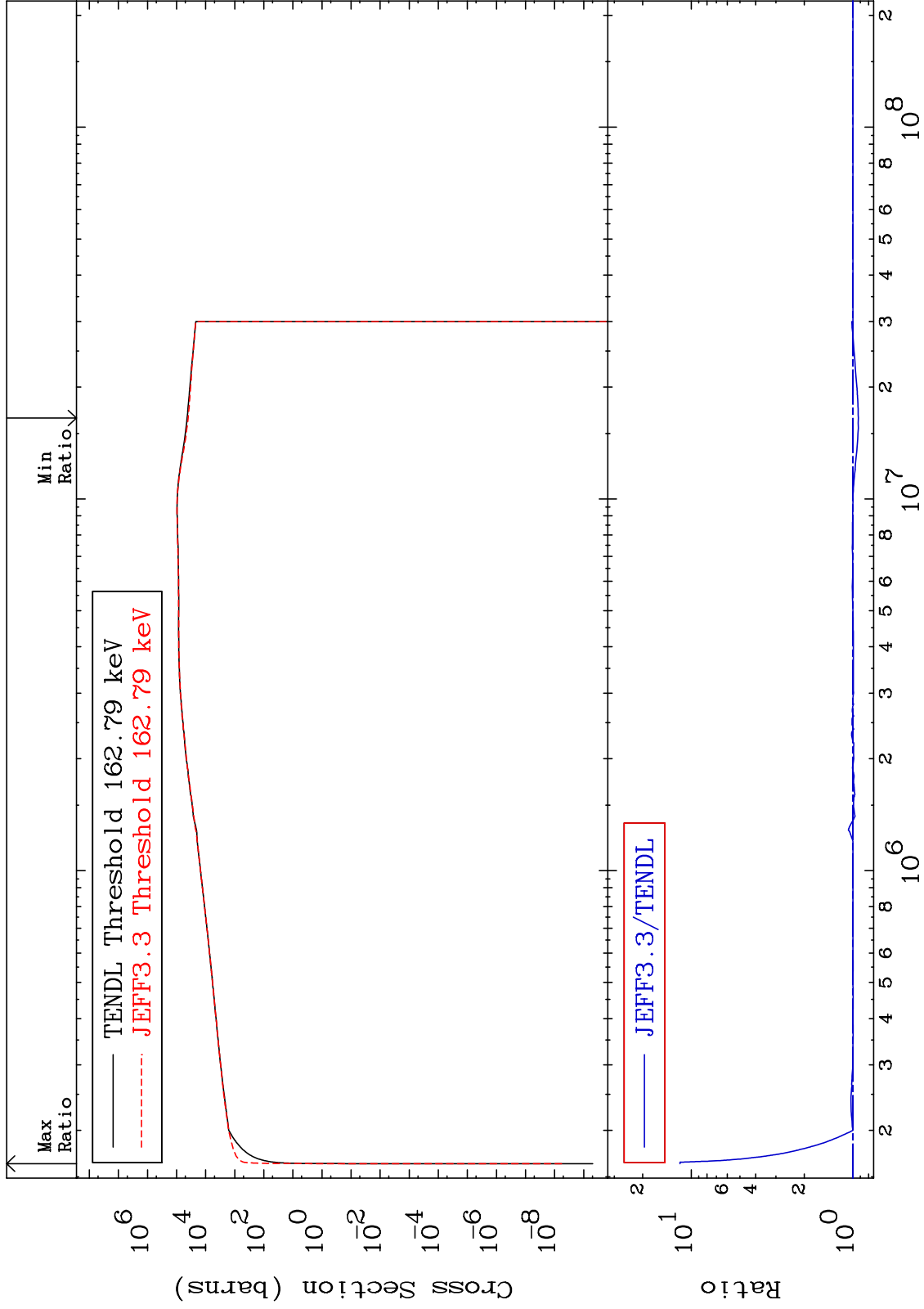
Incident Energy (eV)

22-Ti-47

MAT 2228

Dpa inelastic (mt51-91)
Cross Section

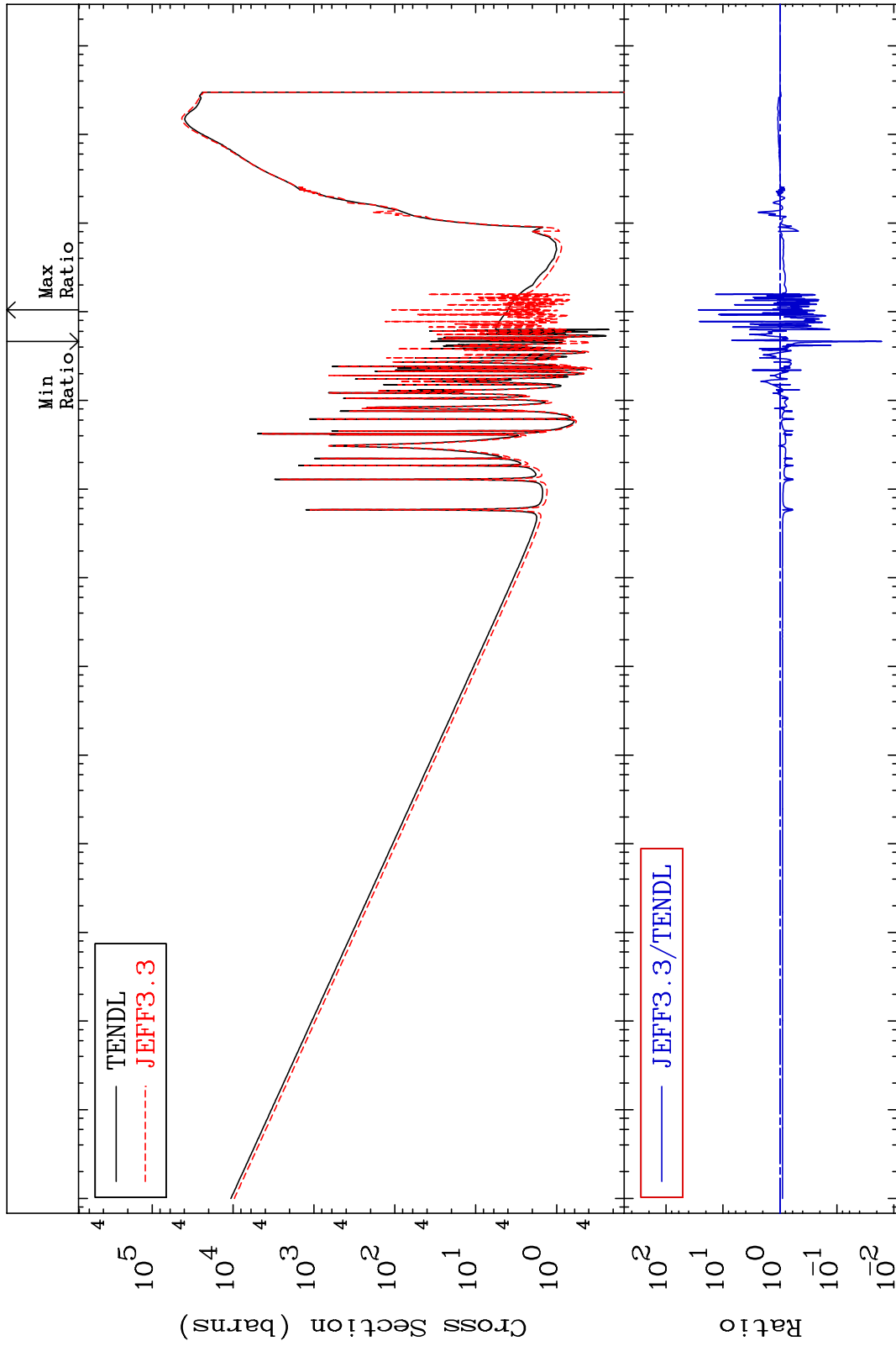
22-Ti-47
-7.534 To 1076. %



MAT 2228

Dpa disappearance (mt102 -120)
Cross Section

22-Ti-47
-98.35 To 2611. %



75

Incident Energy (eV)

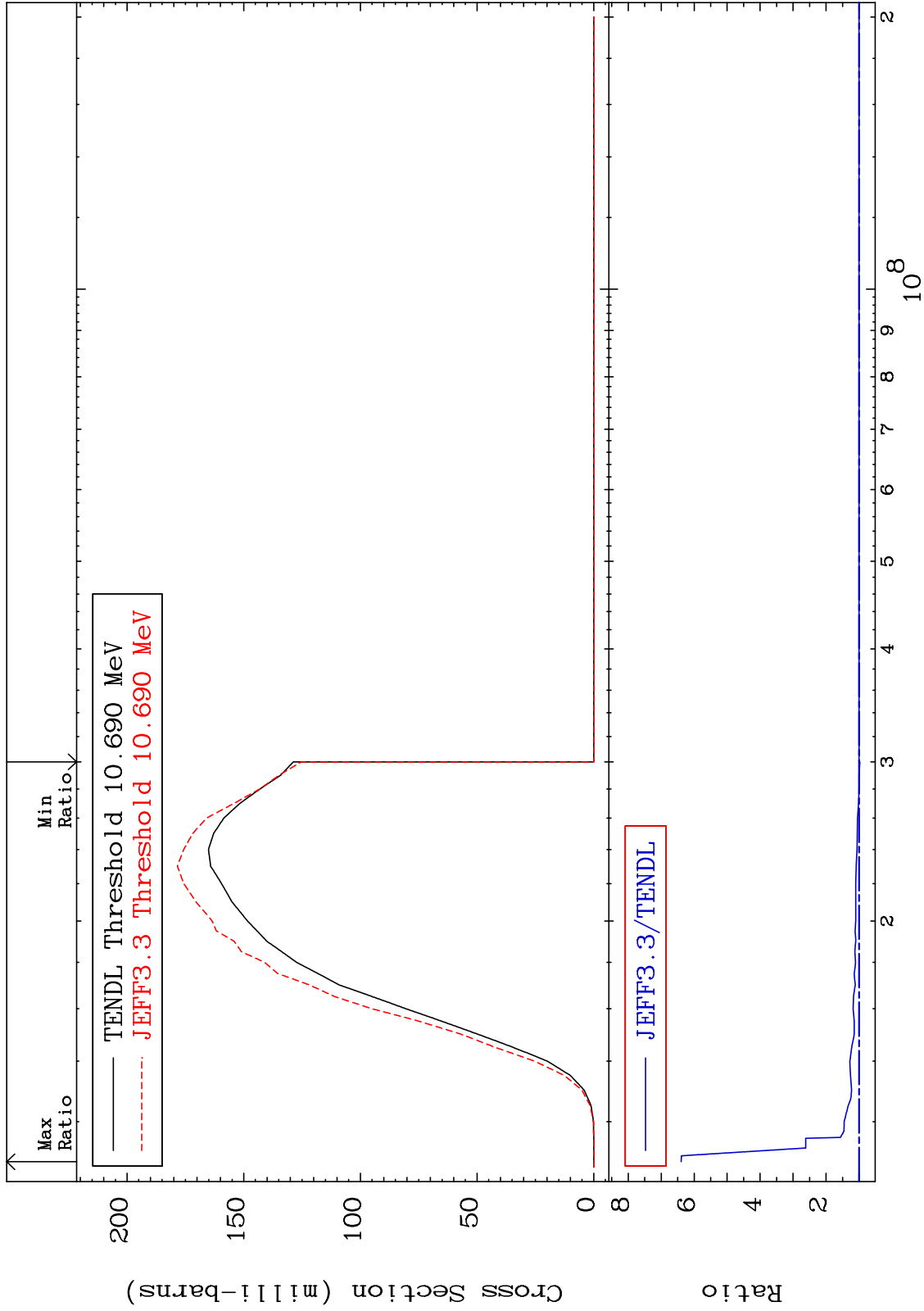
22-Ti-47

MAT 2228

(n, n') p:21-Sc-46g

22-Ti-47

Radionuclide Production Cross Section -2.603 To 539.2 %



76

Incident Energy (eV)

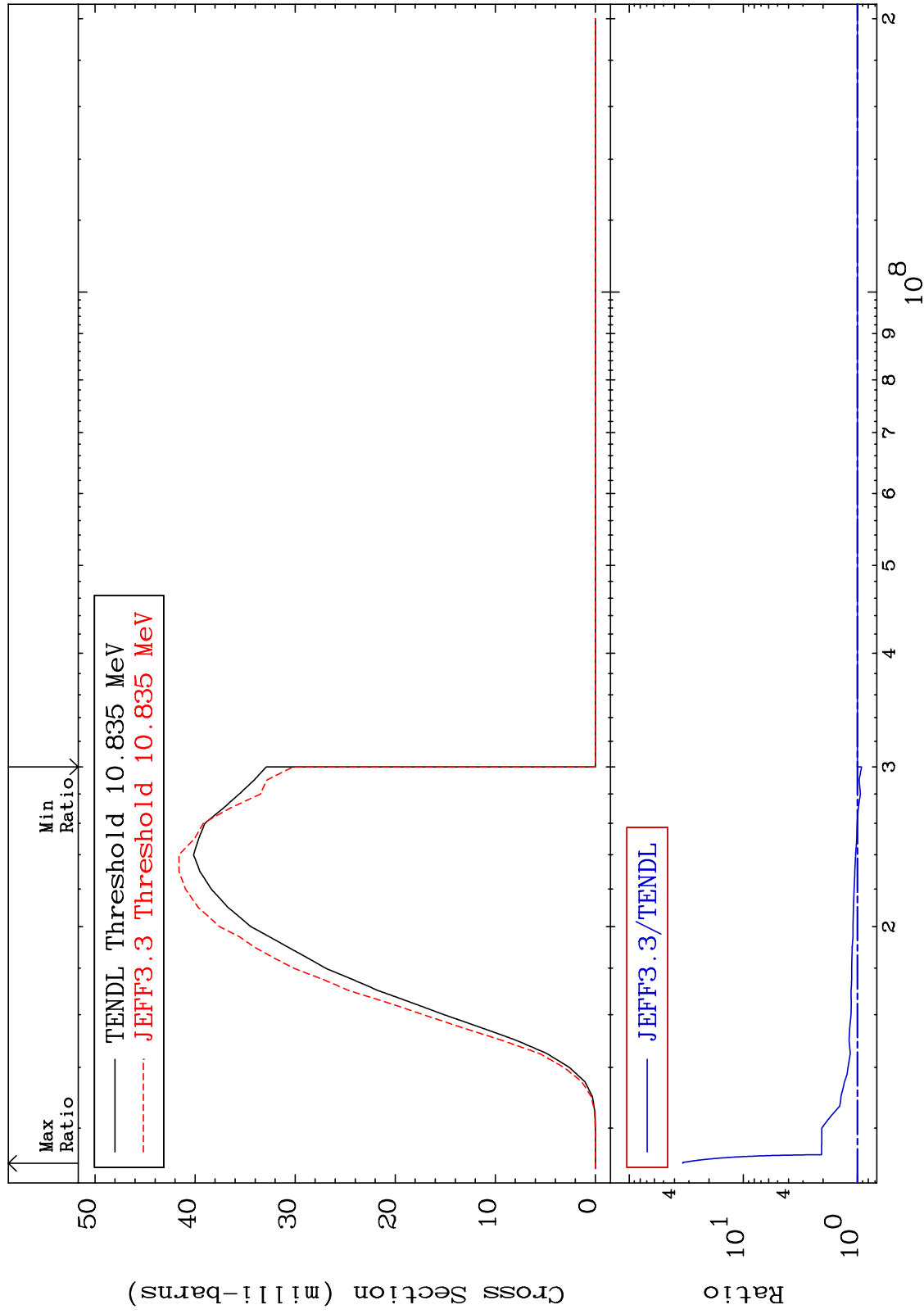
22-Ti-47

MAT 2228

(n, n') p:21-Sc-46m2

22-Ti-47

Radionuclide Production Cross Section -8.204 To 3283. %

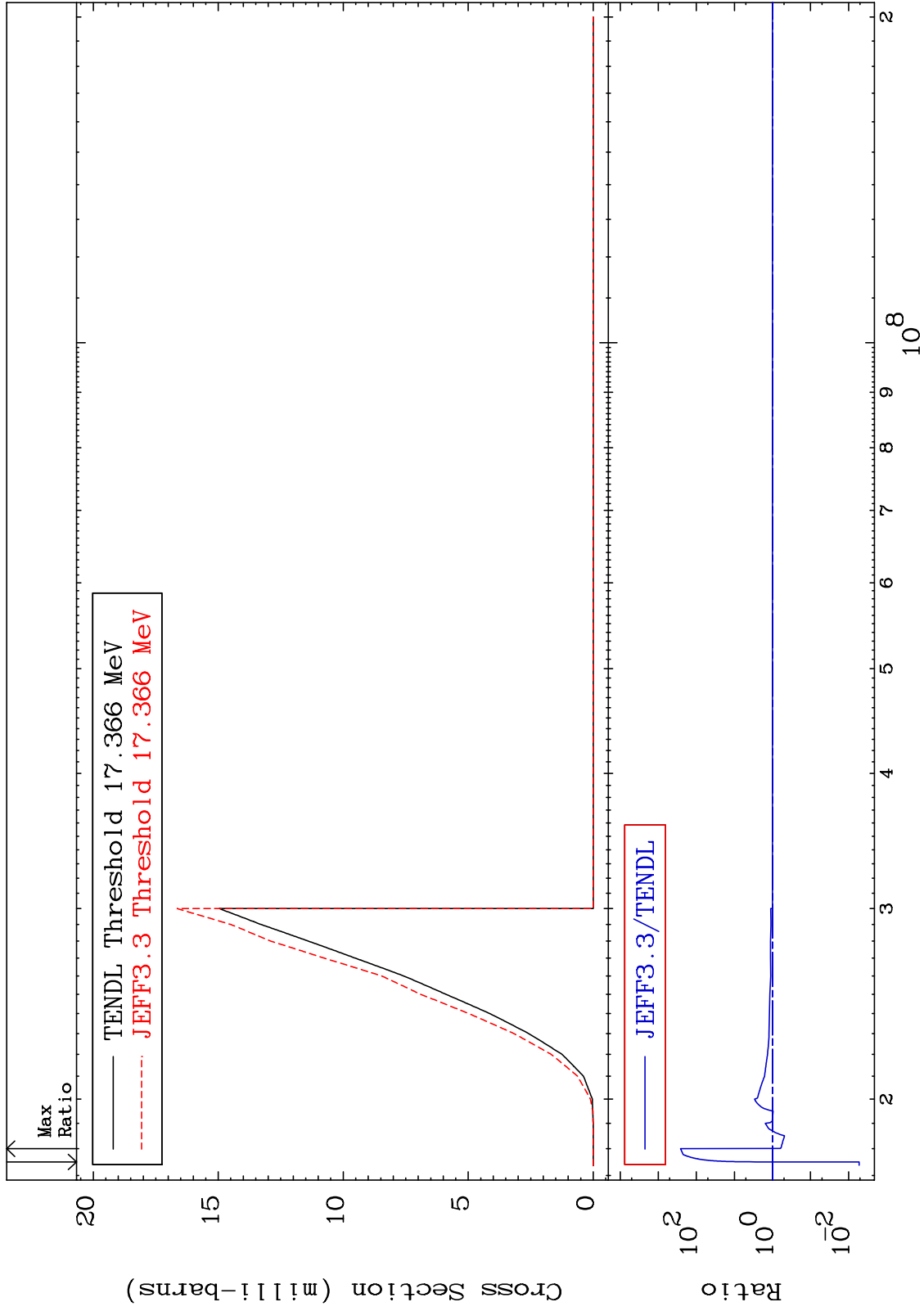


MAT 2228

(n, n') d:21-Sc-45g

22-Ti-47

Radionuclide Production Cross Section -99.47 To 9999. %



78

Incident Energy (eV)

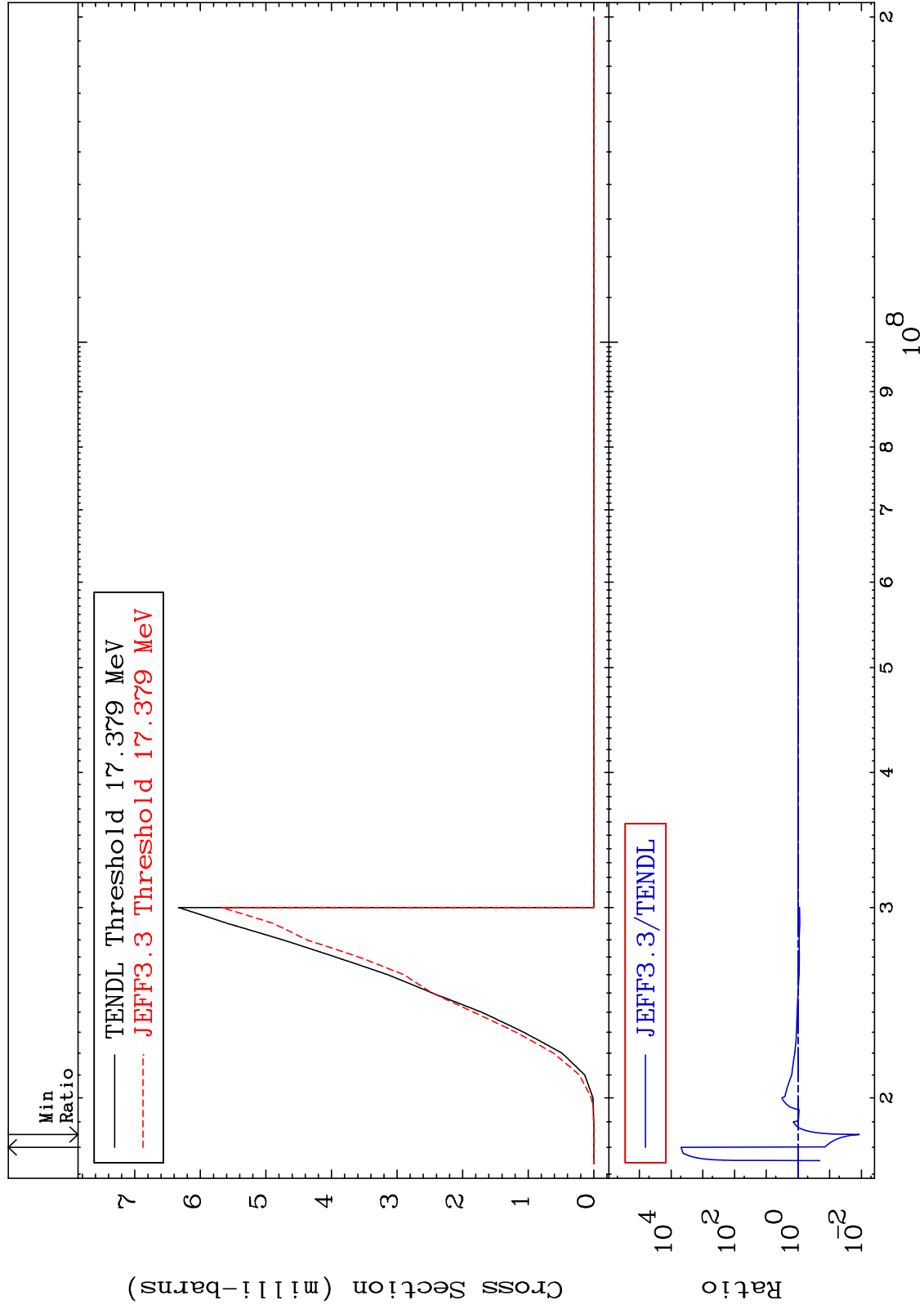
22-Ti-47

MAT 2228

(n, n') d:21-Sc-45m1

22-Ti-47

Radionuclide Production Cross Section -98.84 To 9999. %

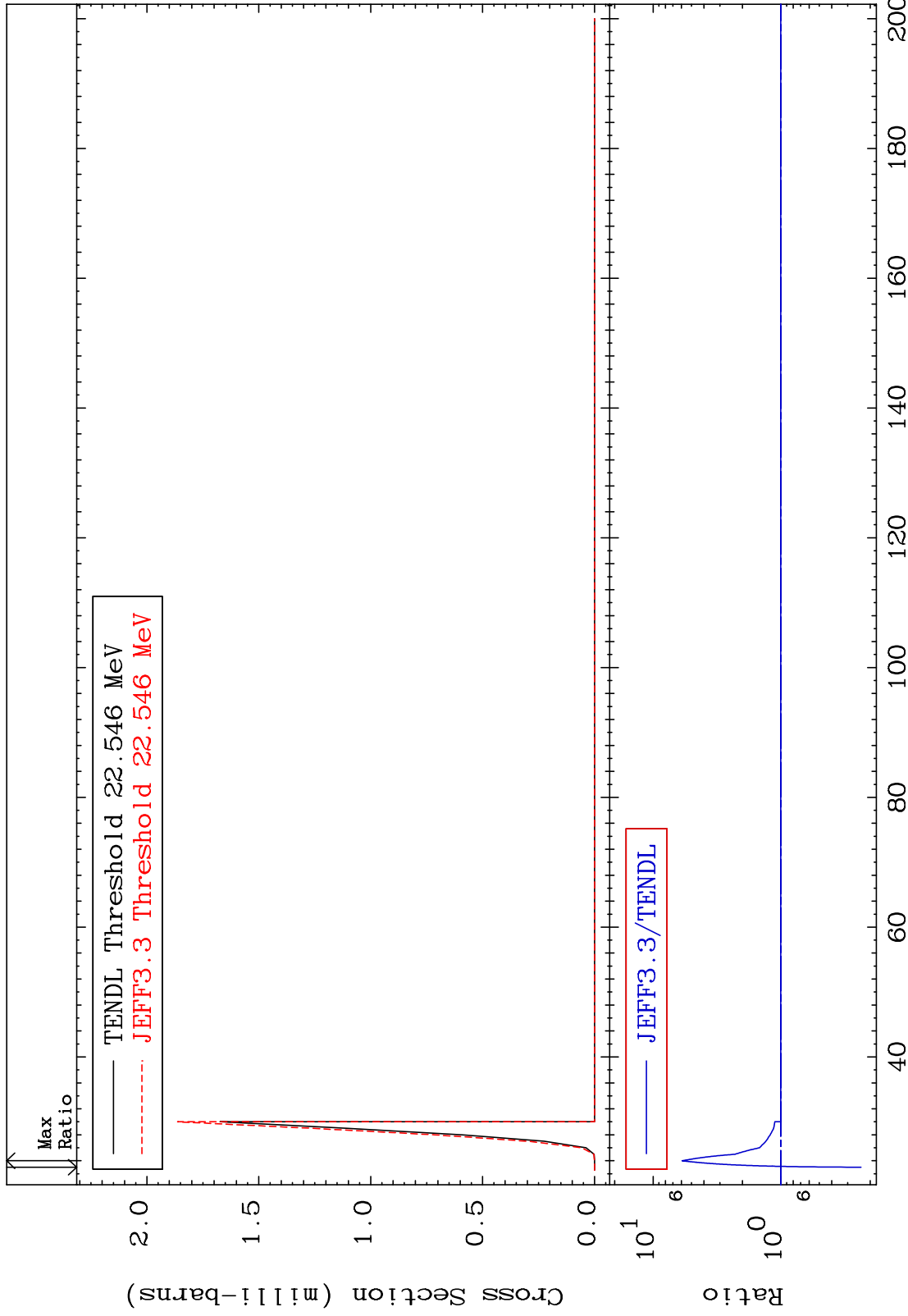


MAT 2228

(n, n') t:21-Sc-44g

22-Ti-47

Radionuclide Production Cross Section -76.46 To 492.6 %



80

Incident Energy (MeV)

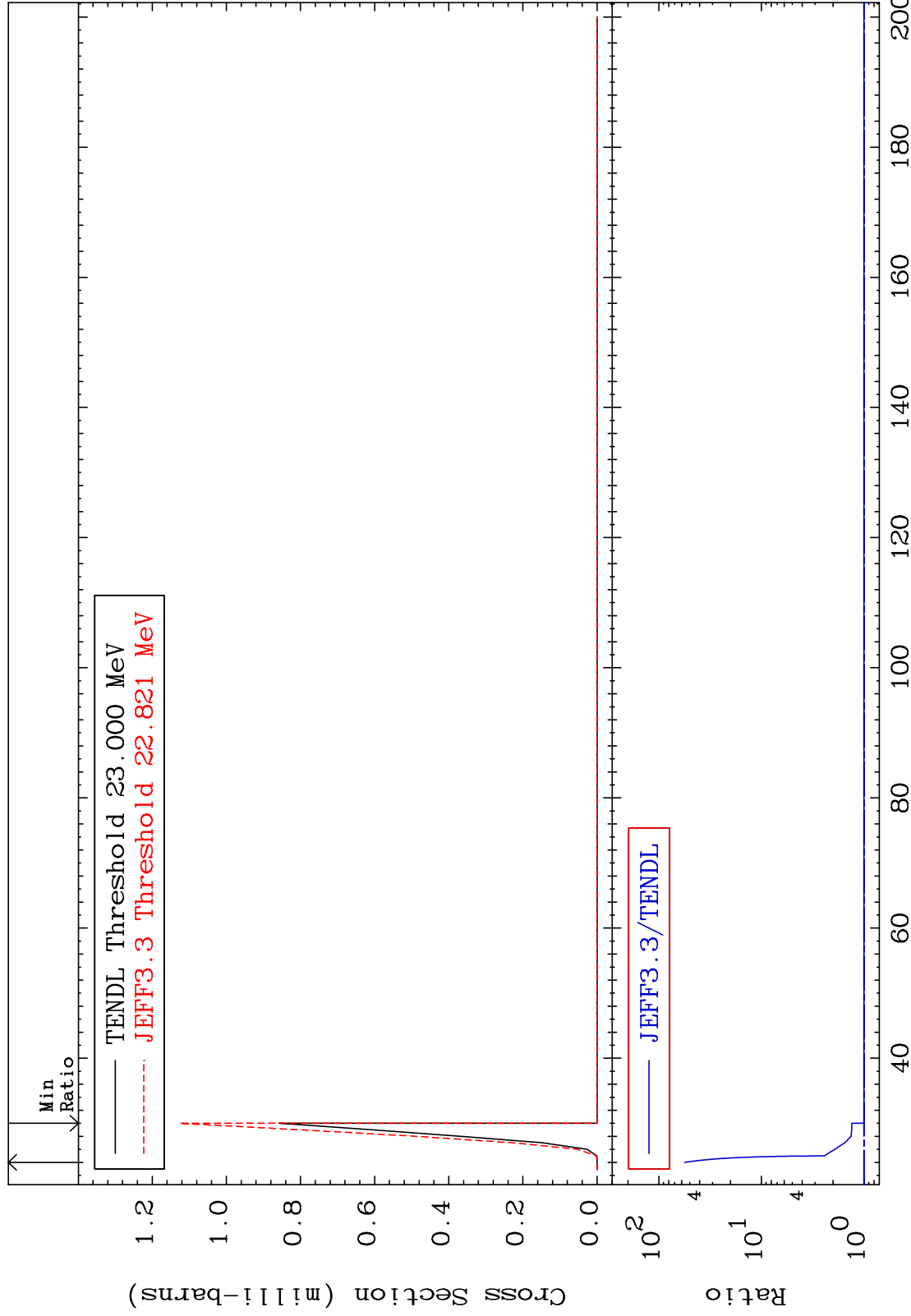
22-Ti-47

MAT 2228

(n, n') t:21-Sc-44m4

22-Ti-47

Radionuclide Production Cross Section 0.000 To 5480. %

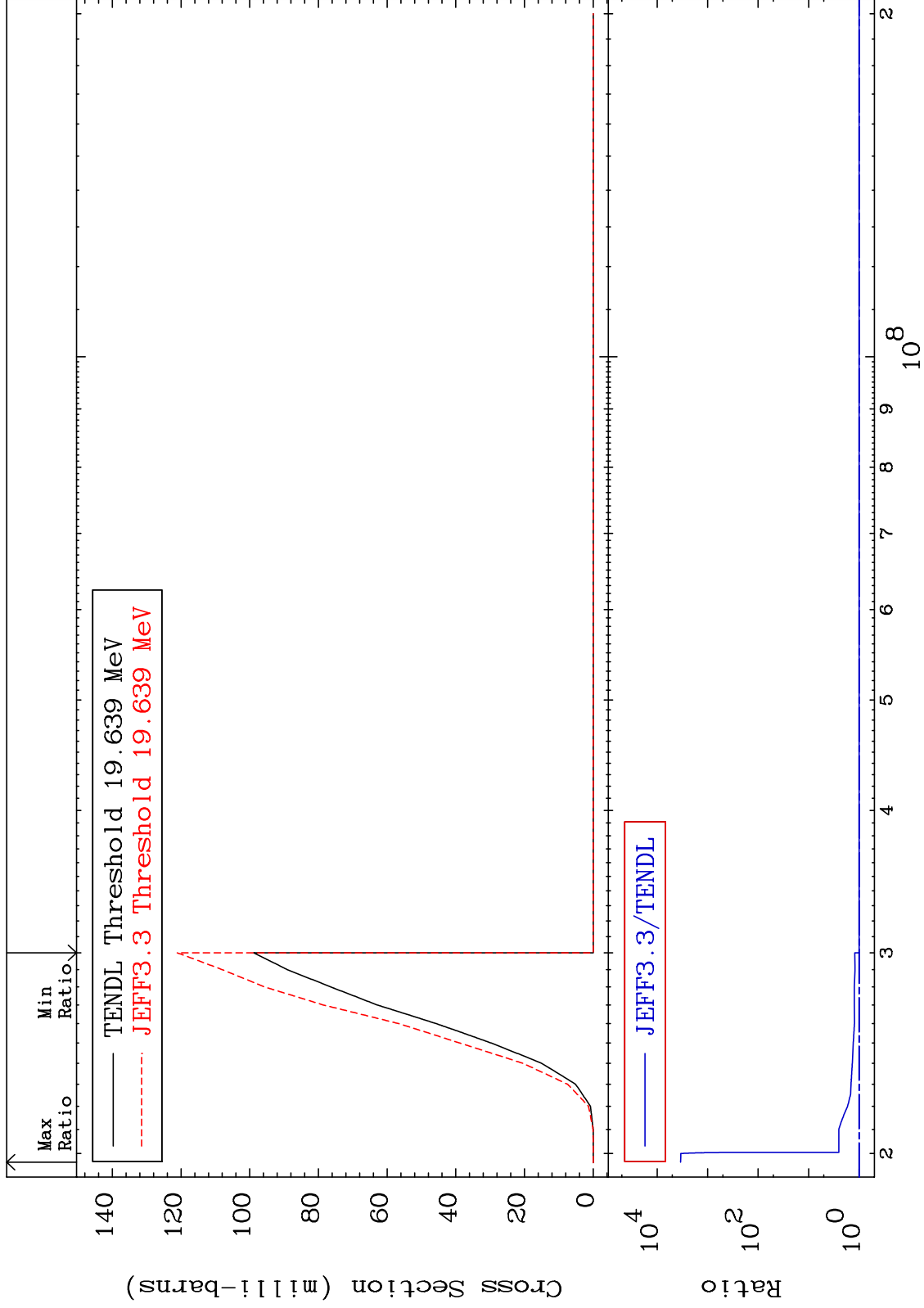


MAT 2228

(n,2n) p:21-Sc-45g

22-Ti-47

Radionuclide Production Cross Section 0.000 To 9999. %



82

Incident Energy (eV)

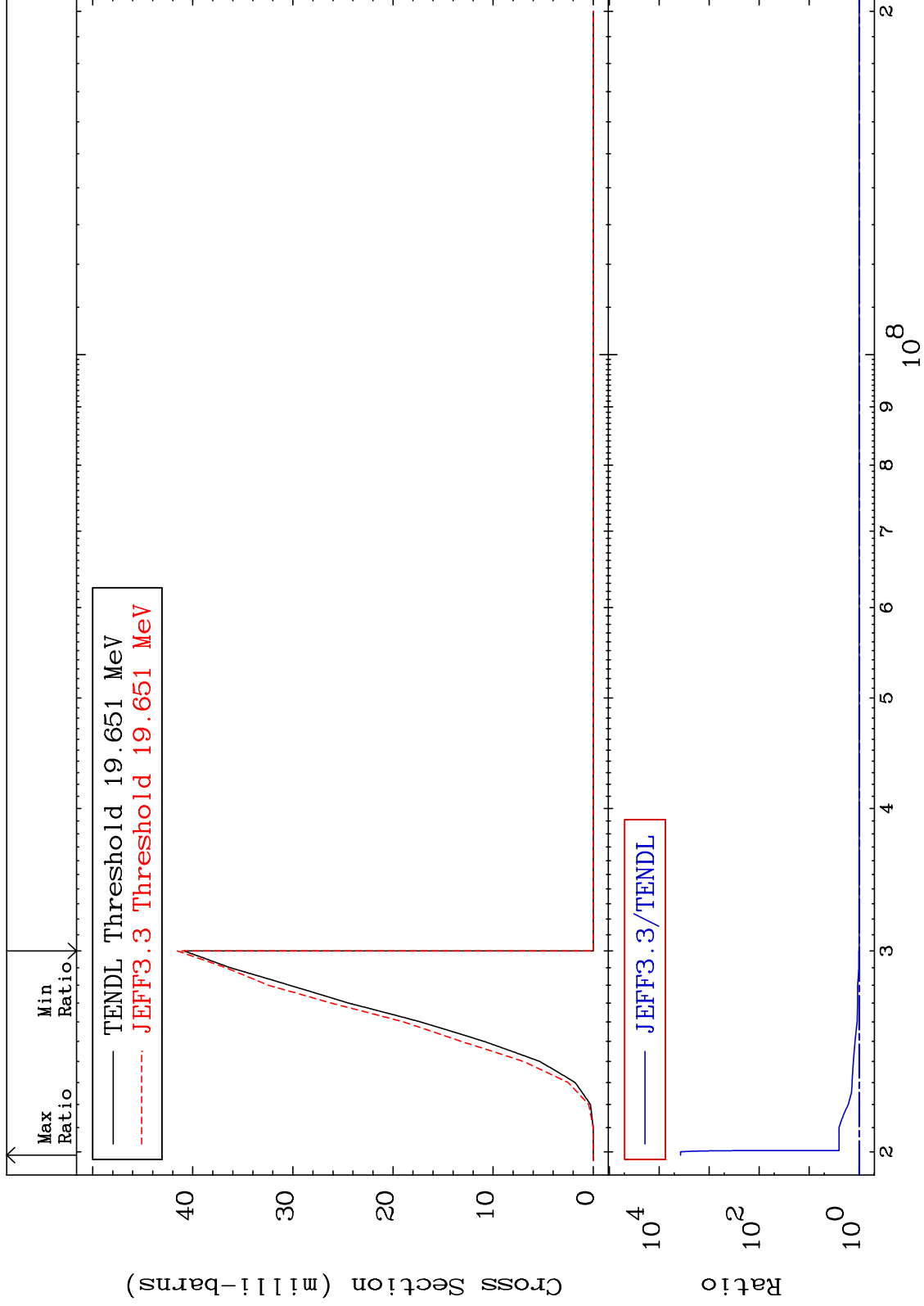
22-Ti-47

MAT 2228

(n,2n) p:21-Sc-45m1

22-Ti-47

Radionuclide Production Cross Section 0.000 To 9999. %

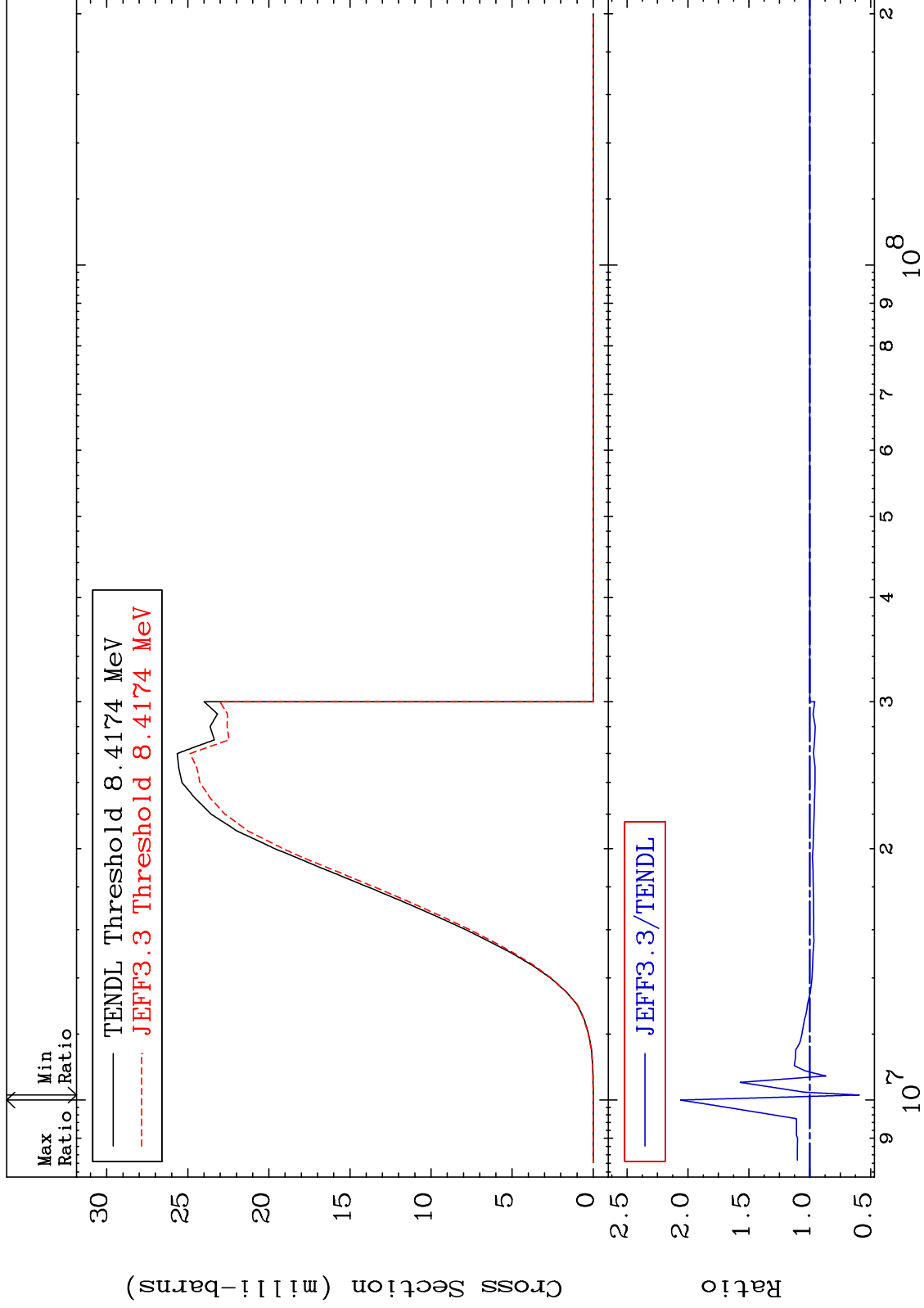


MAT 2228

22-Ti-47

(n,d):21-Sc-46g

Radionuclide Production Cross Section -40.51 To 106.0 %



84

Incident Energy (eV)

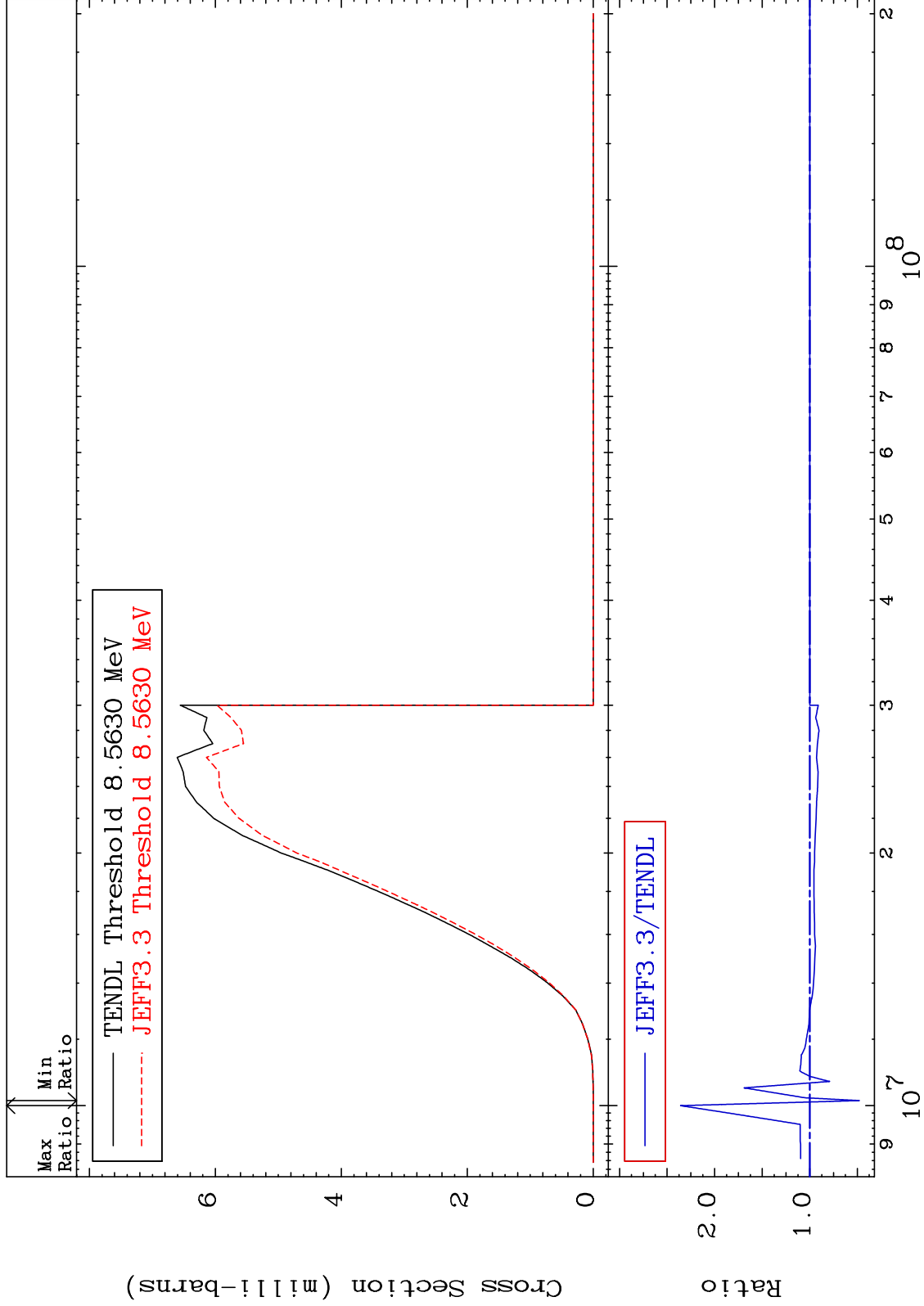
22-Ti-47

MAT 2228

(n,d):21-Sc-46m2

22-Ti-47

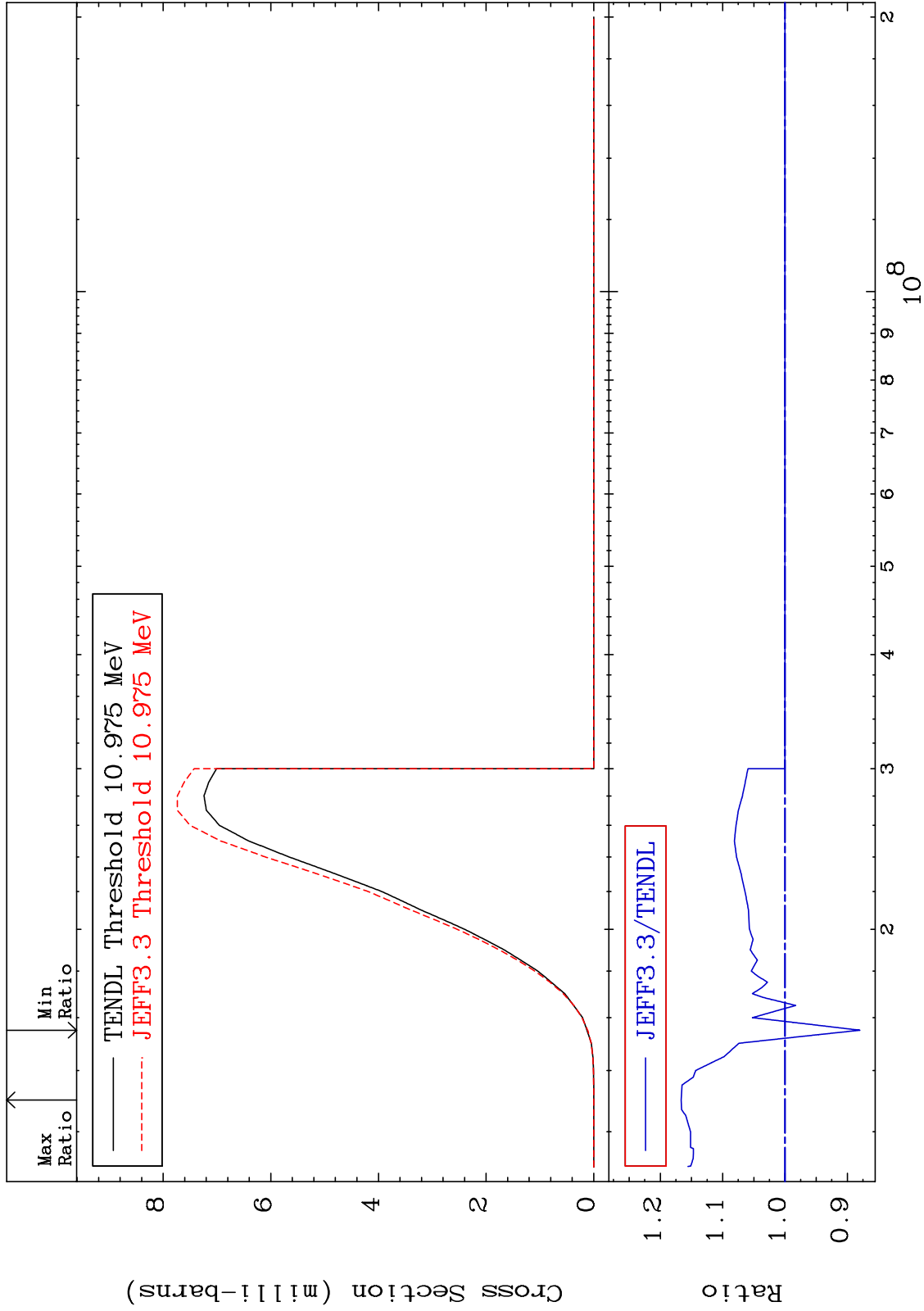
Radionuclide Production Cross Section -51.91 To 135.8 %



85

Incident Energy (eV)

22-Ti-47



MAT 2228

(n, t):21-Sc-45m1

22-Ti-47

Radionuclide Production Cross Section -17.07 To 17.18 %

