

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

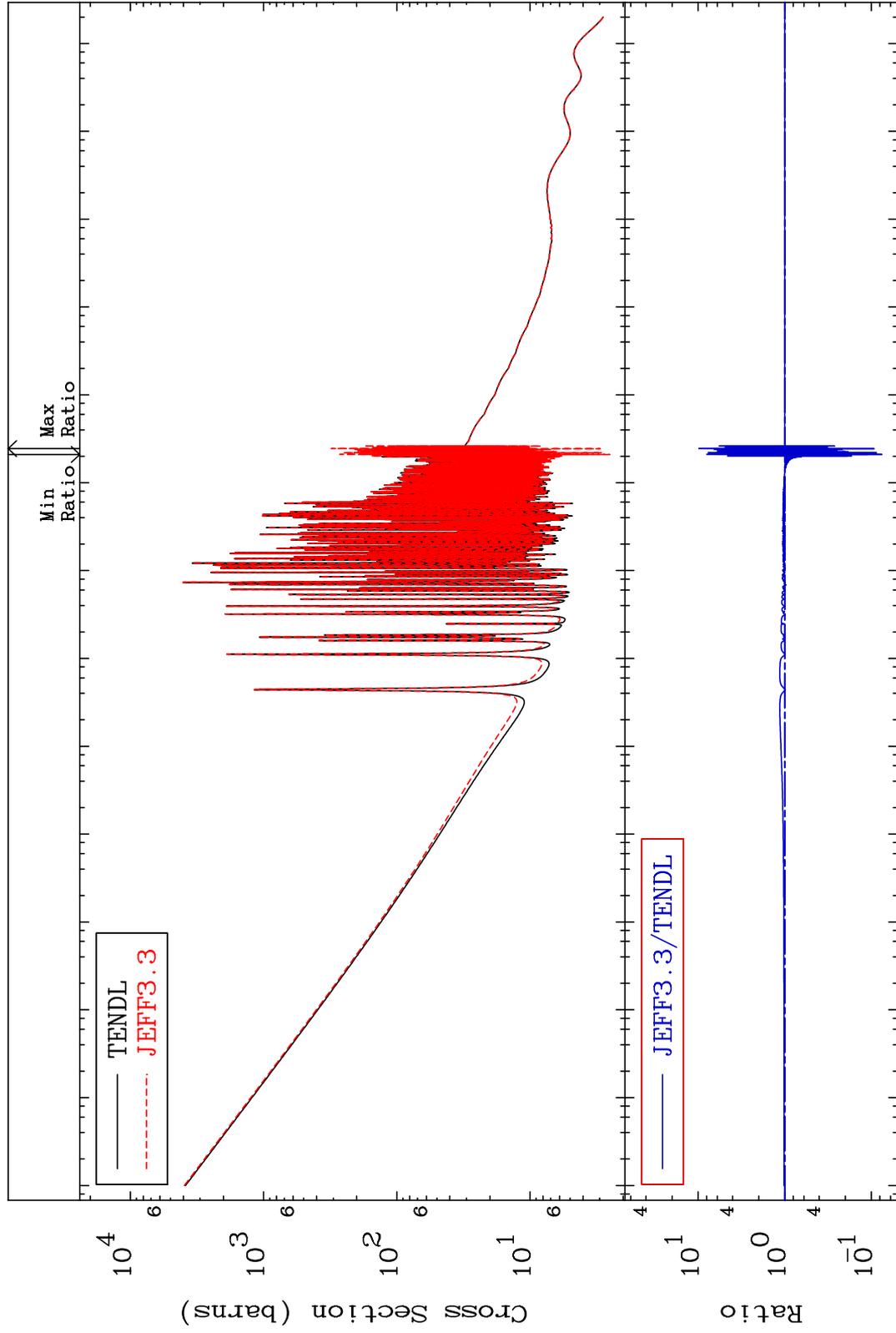
MAT 7531

Total

75-Re-187

Cross Section

-92.48 To 875.6 %



Incident Energy (eV)

75-Re-187

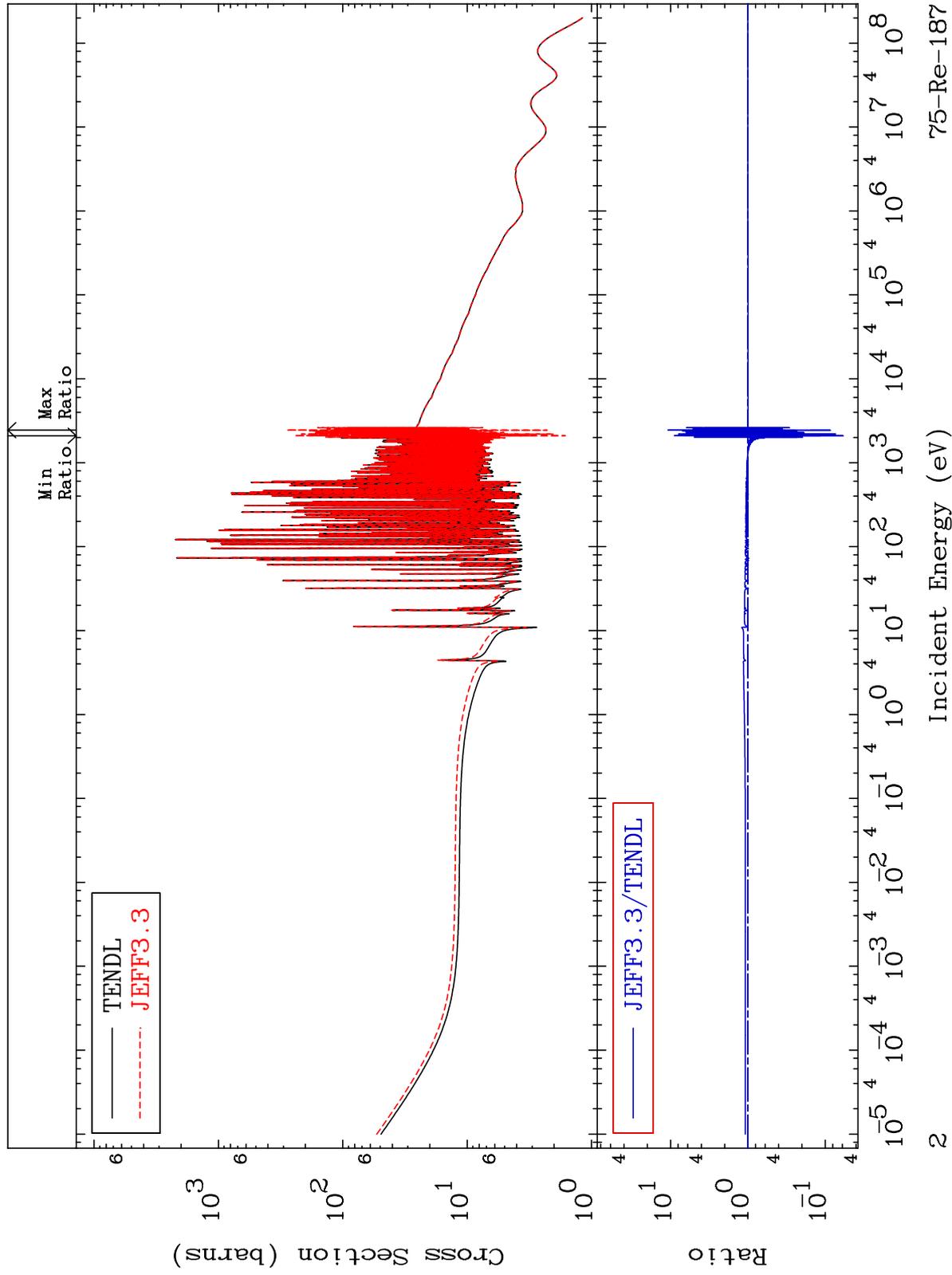
MAT 7531

Elastic

Cross Section

⁷⁵Re-187

-94.11 To 976.7 %



⁷⁵Re-187

Incident Energy (eV)

2

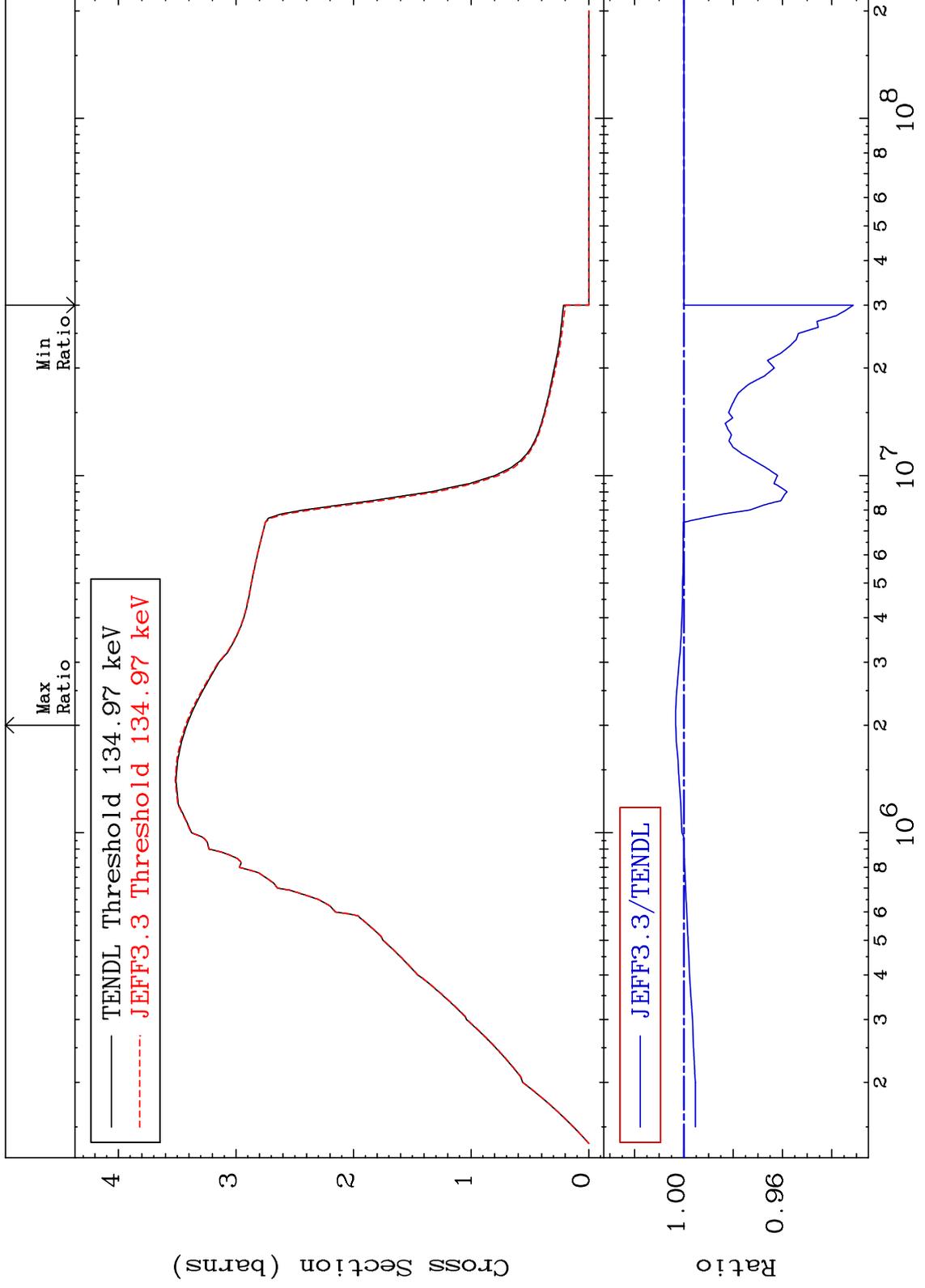
MAT 7531

Inelastic

Cross Section

75-Re-187

-6.871 To 0.331 %



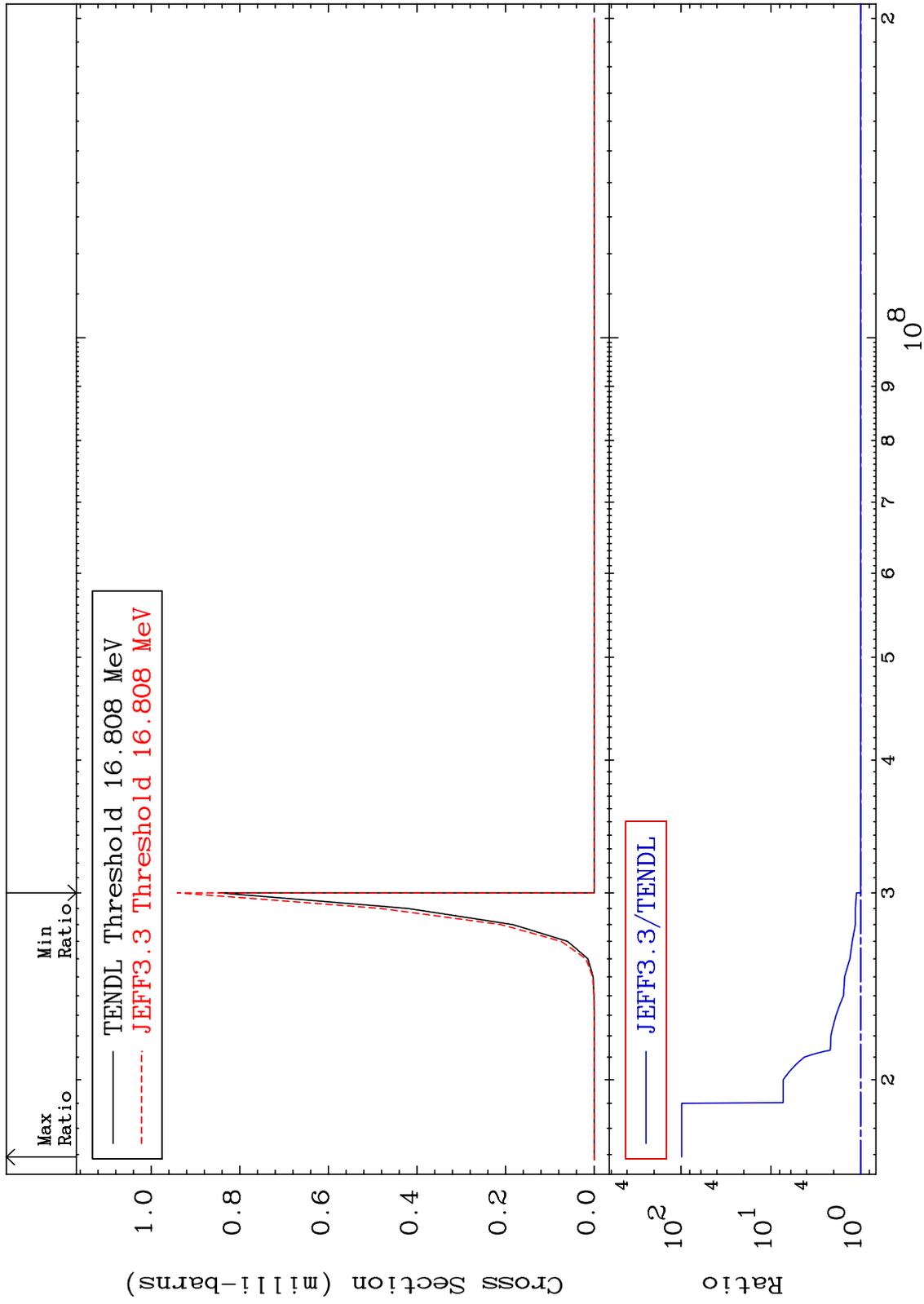
MAT 7531

(n,2n) d

75-Re-187

Cross Section

0.000 To 9739. %



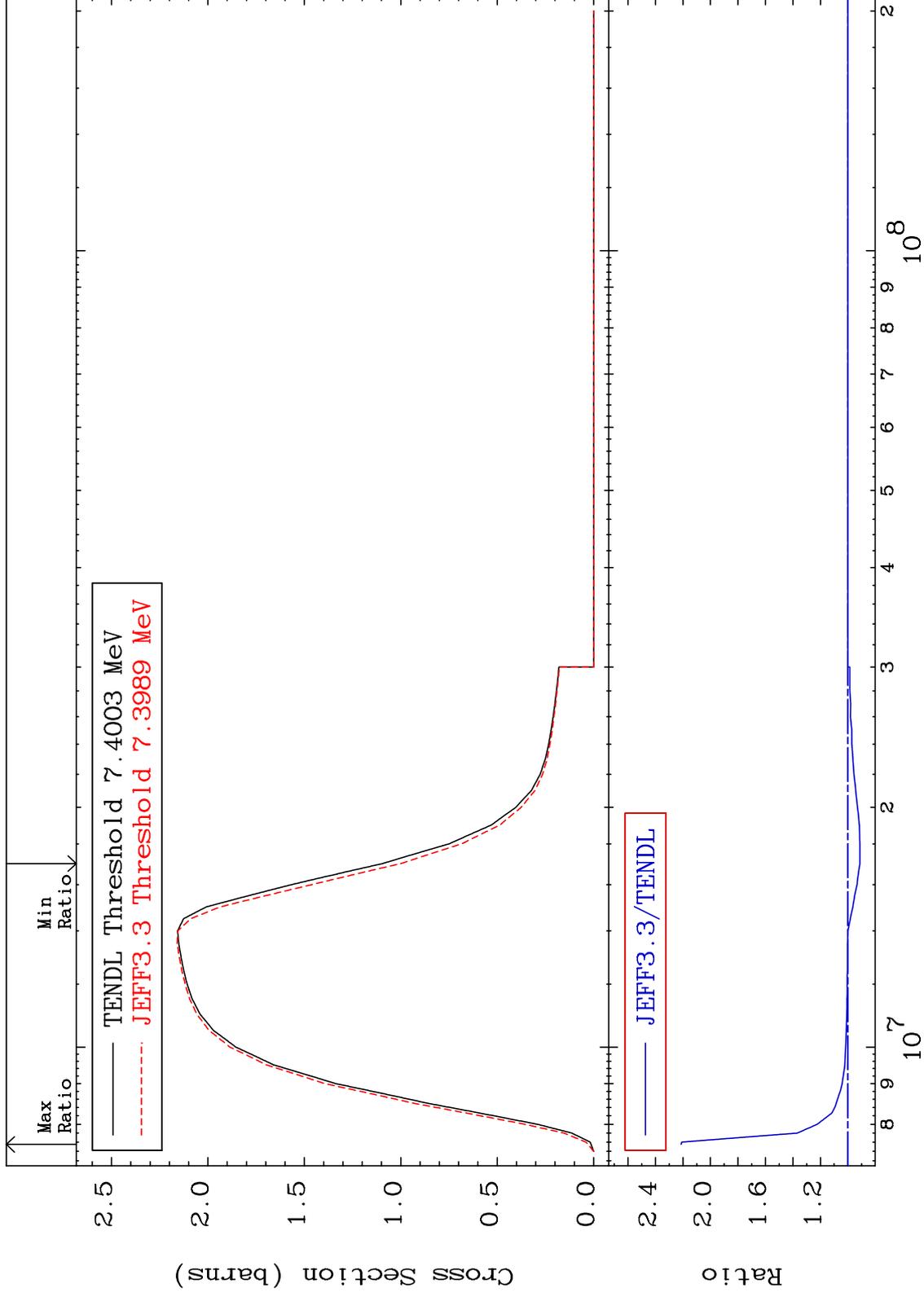
MAT 7531

(n, 2n)

⁷⁵Re-187

Cross Section

-8.729 To 121.3 %



5

Incident Energy (eV)

⁷⁵Re-187

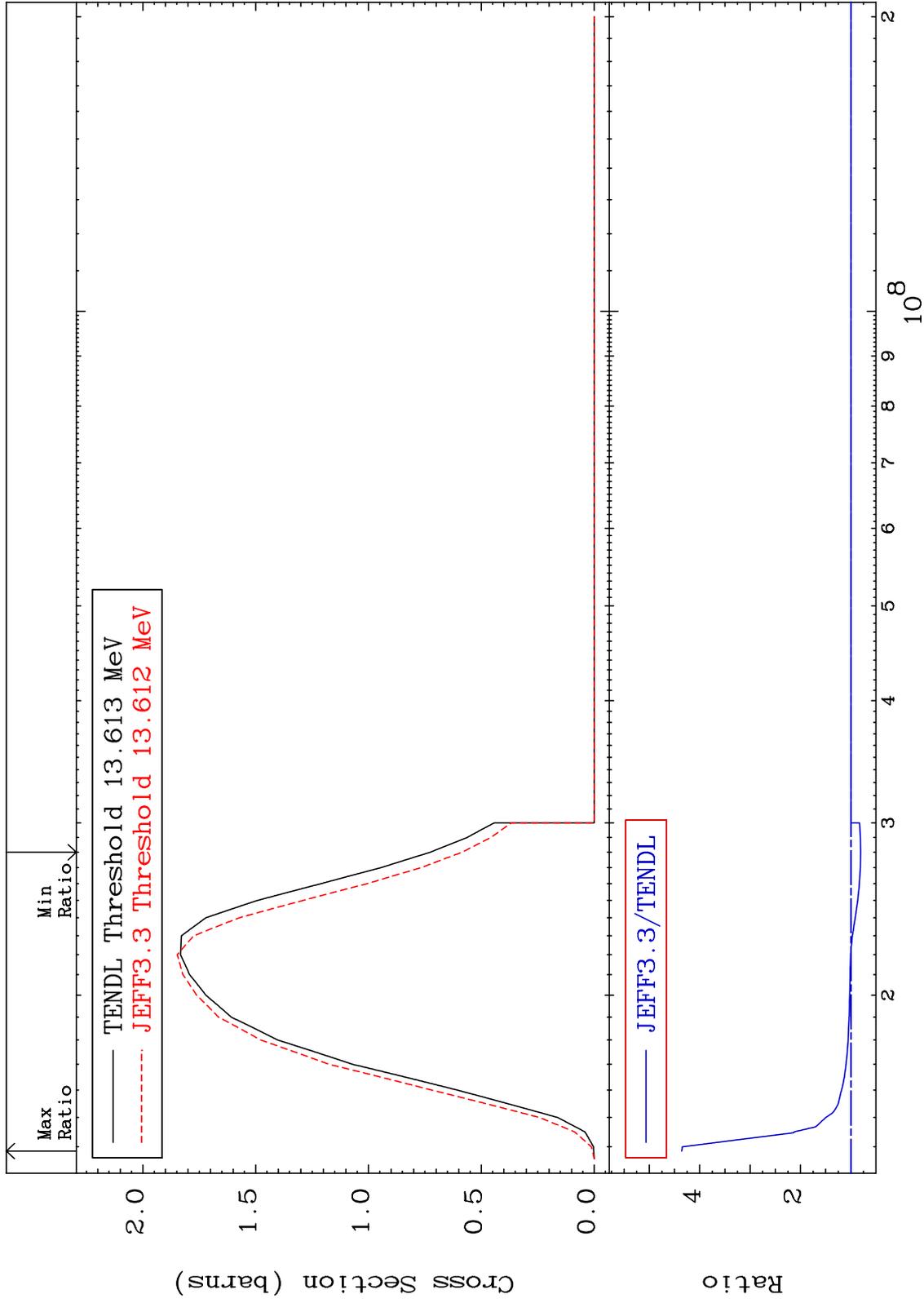
MAT 7531

(n, 3n)

75-Re-187

Cross Section

-19.40 To 335.6 %



6

Incident Energy (eV)

75-Re-187

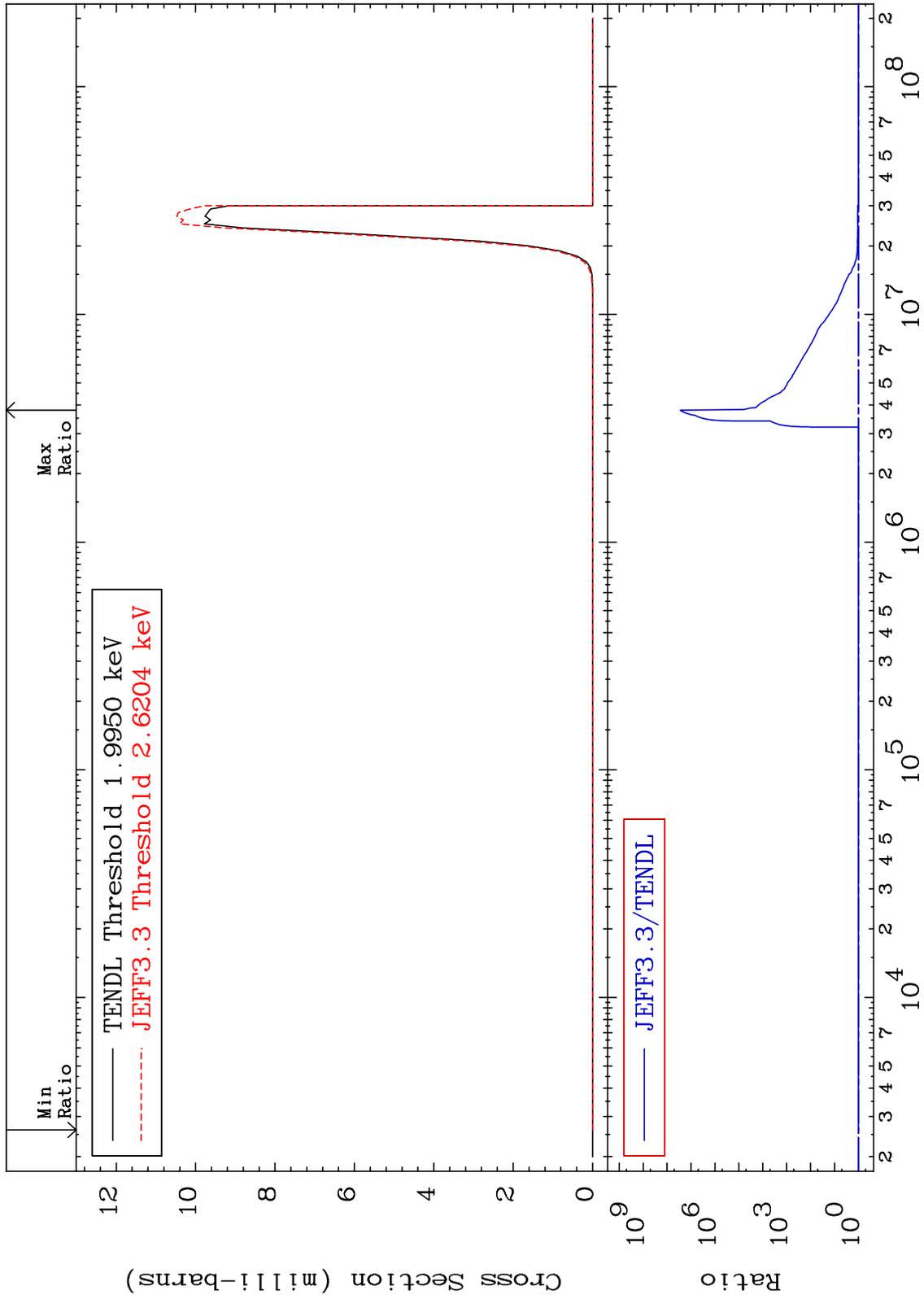
MAT 7531

(n, n') α

75-Re-187

Cross Section

0.000 To 9999. %



MAT 7531

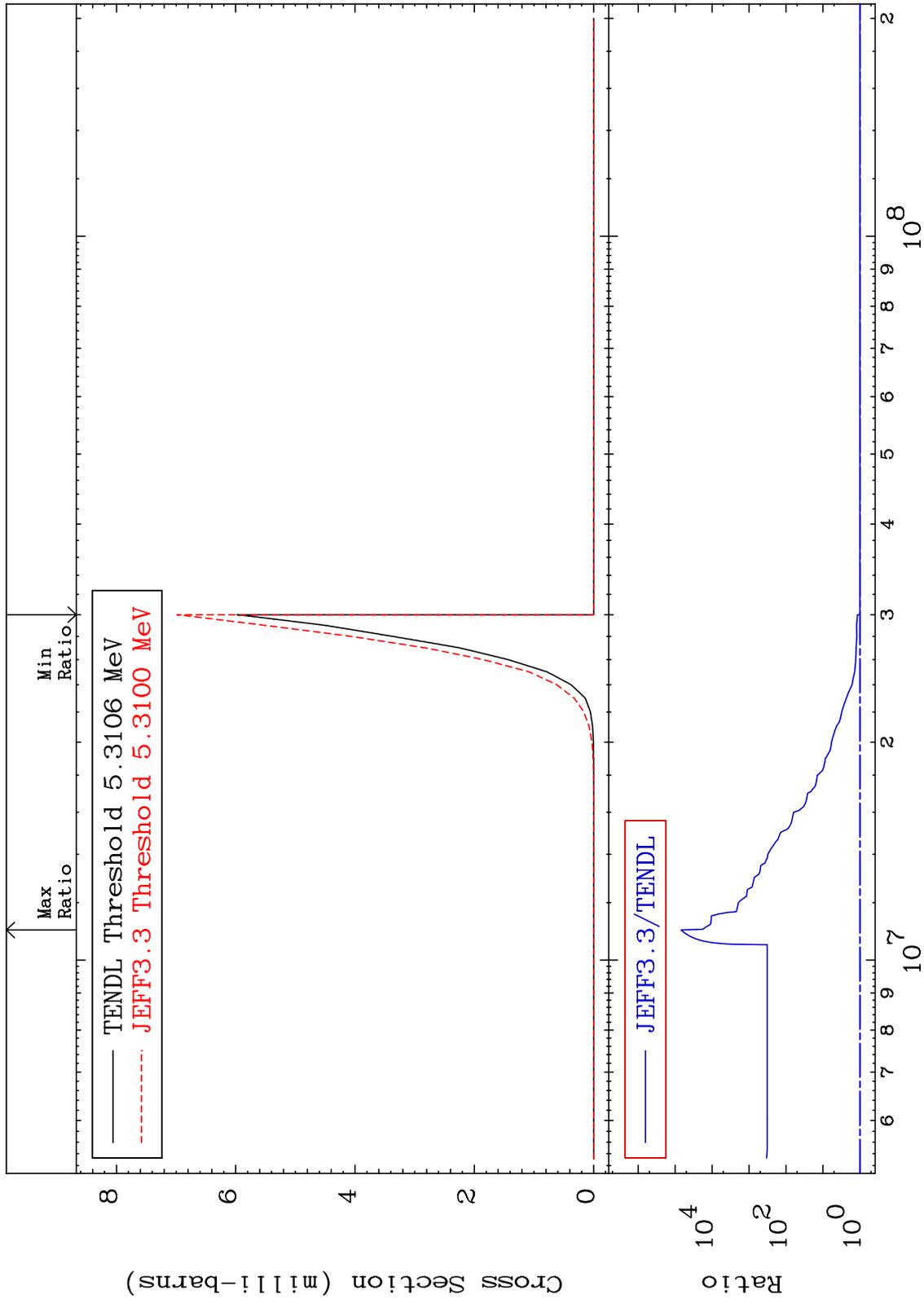
(n,2n) α

75-Re-187

Cross Section

0.000

To 9999. %



MAT 7531

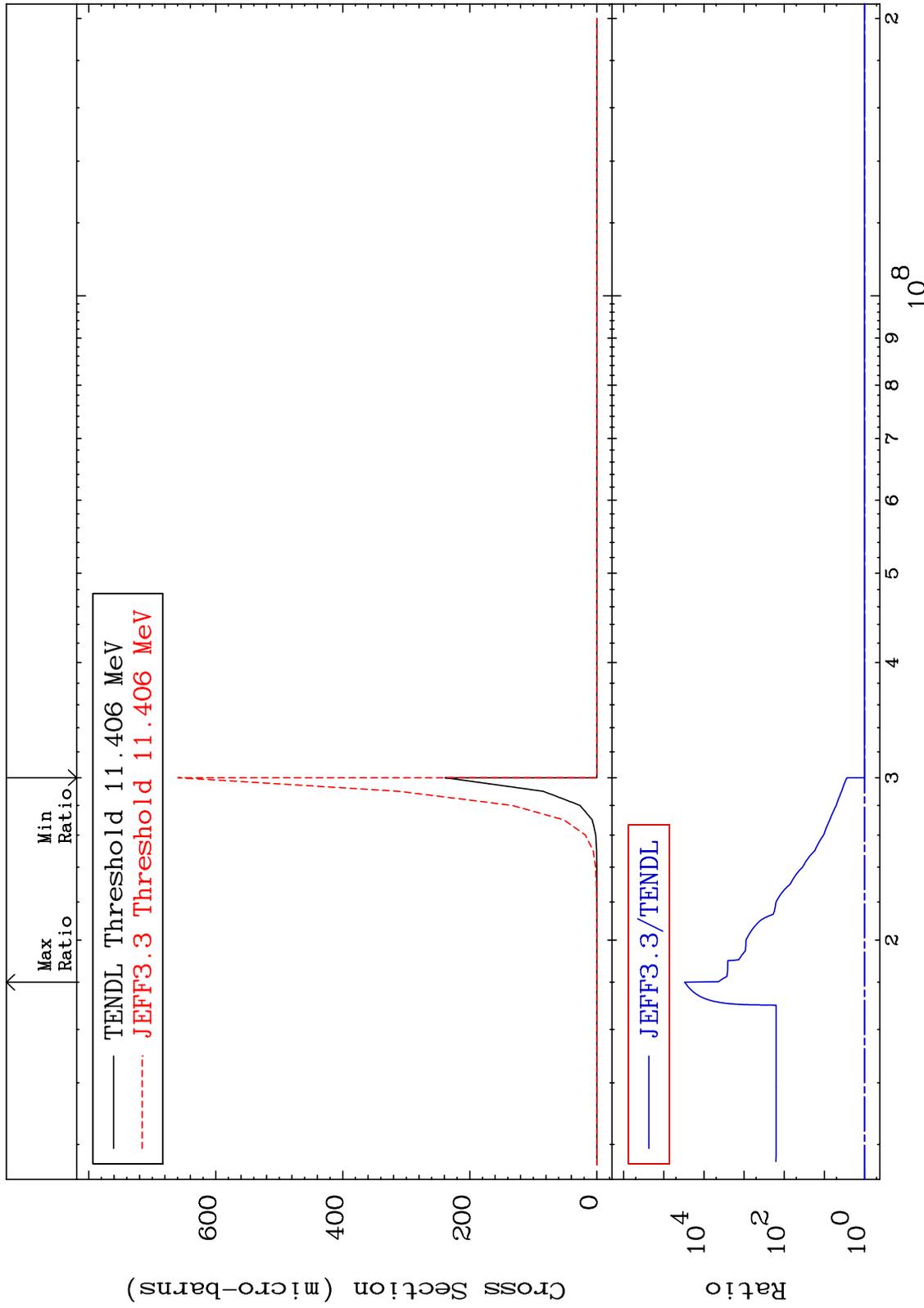
(n,3n) α

⁷⁵Re-187

Cross Section

0.000

To 9999. %



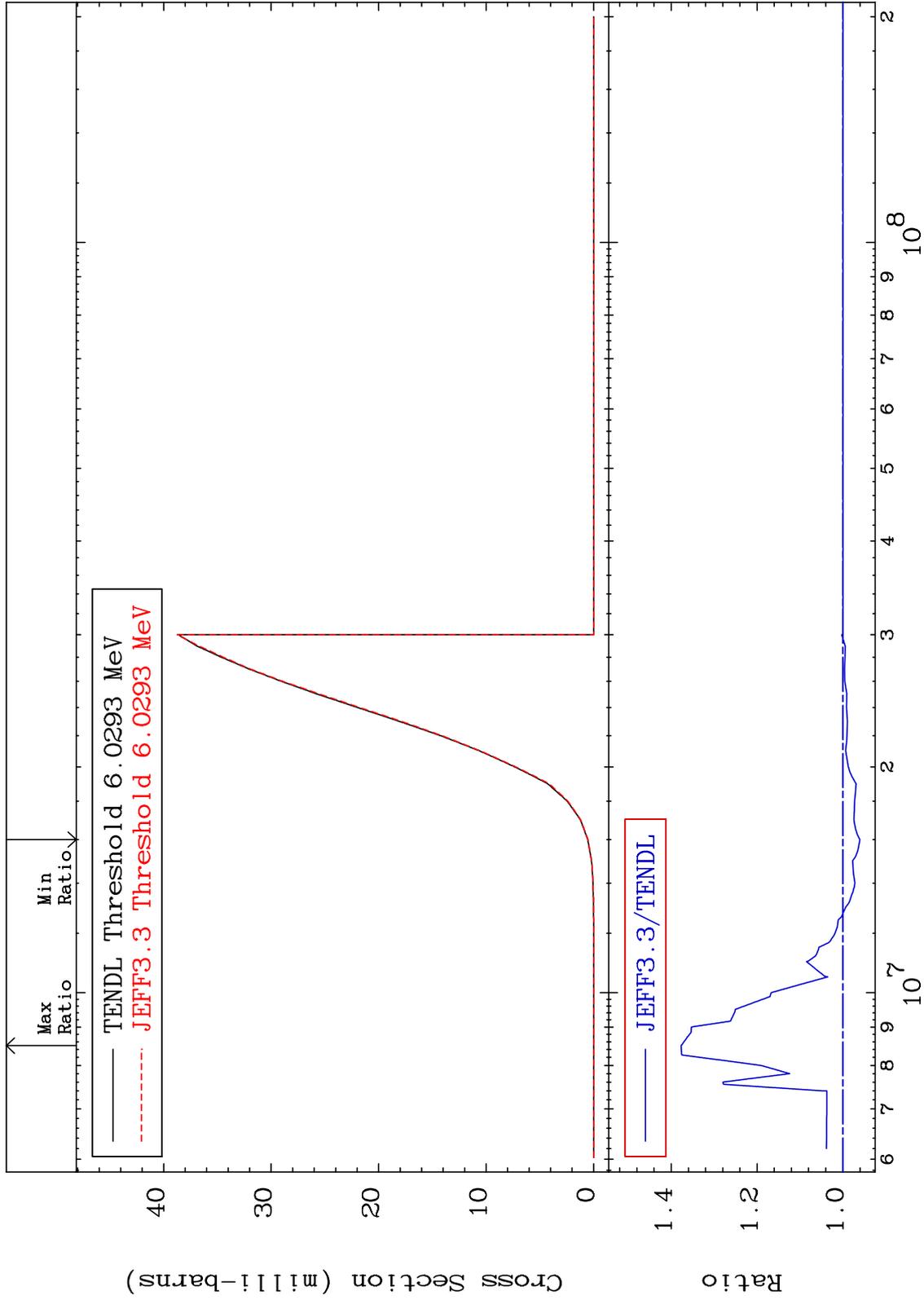
MAT 7531

(n,n') p

75-Re-187

Cross Section

-3.955 To 37.69 %



10

Incident Energy (eV)

75-Re-187

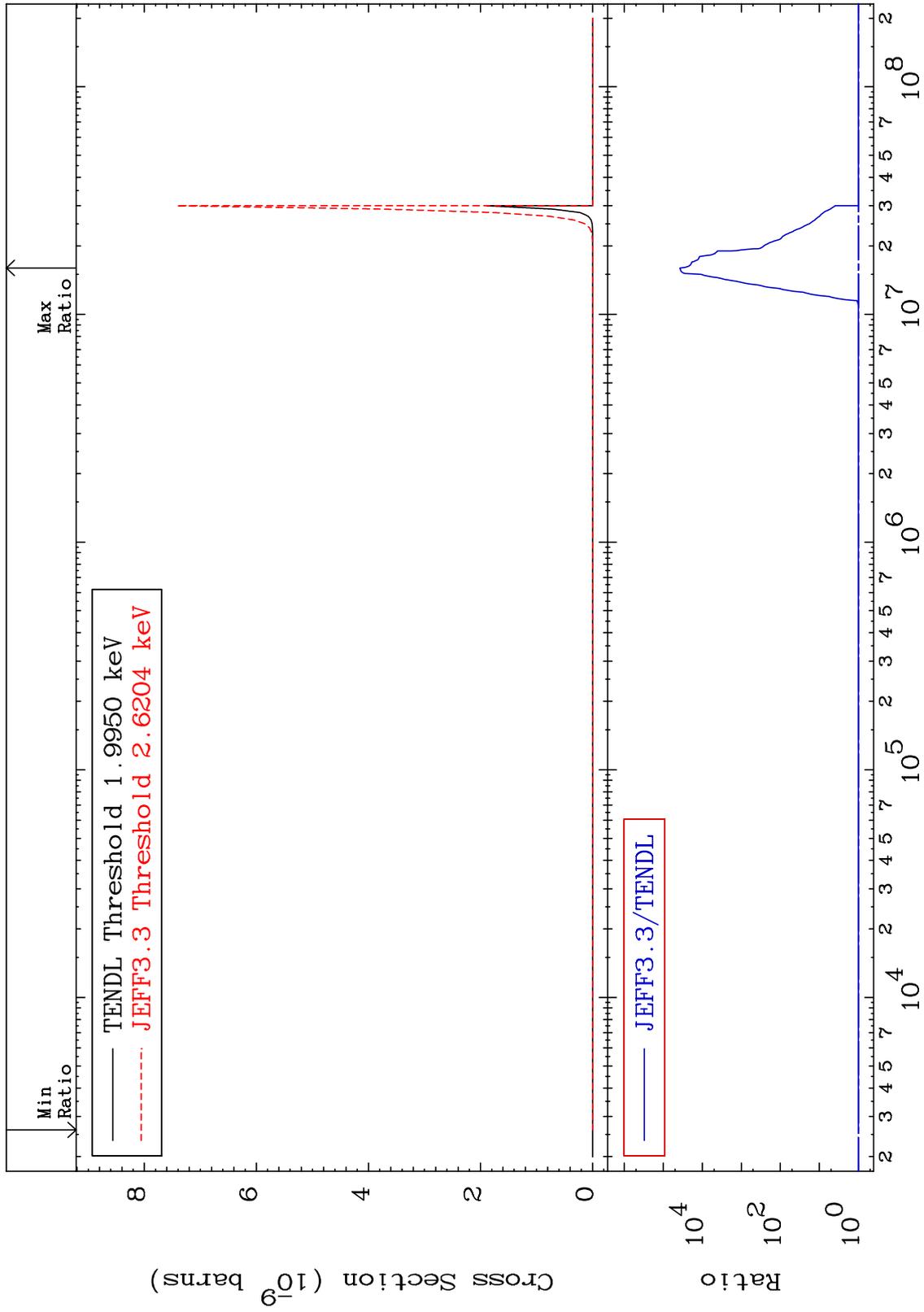
MAT 7531

(n, n') 2α

75-Re-187

Cross Section

0.000 To 9999. %



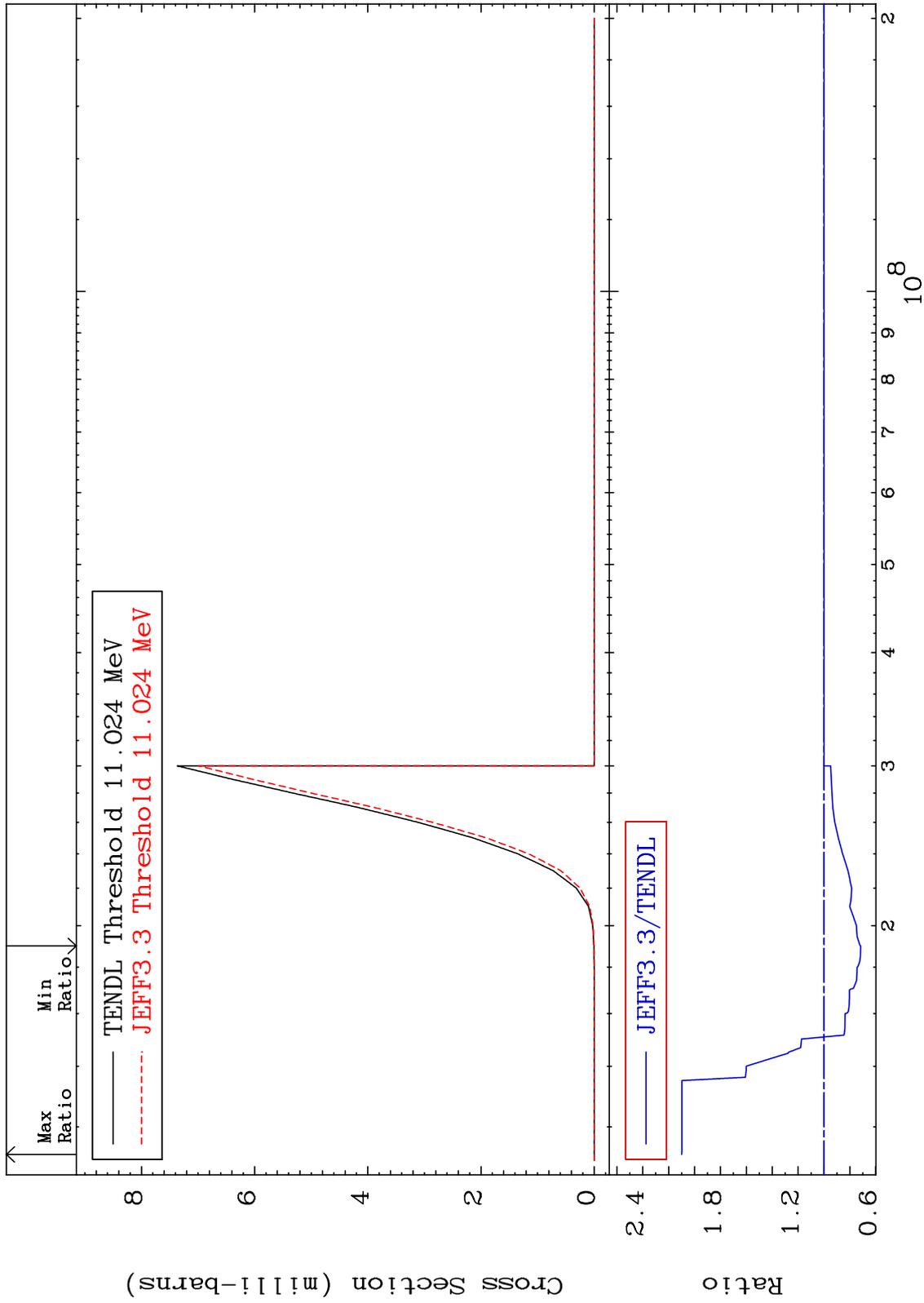
MAT 7531

(n,n') d

75-Re-187

Cross Section

-28.30 To 109.9 %



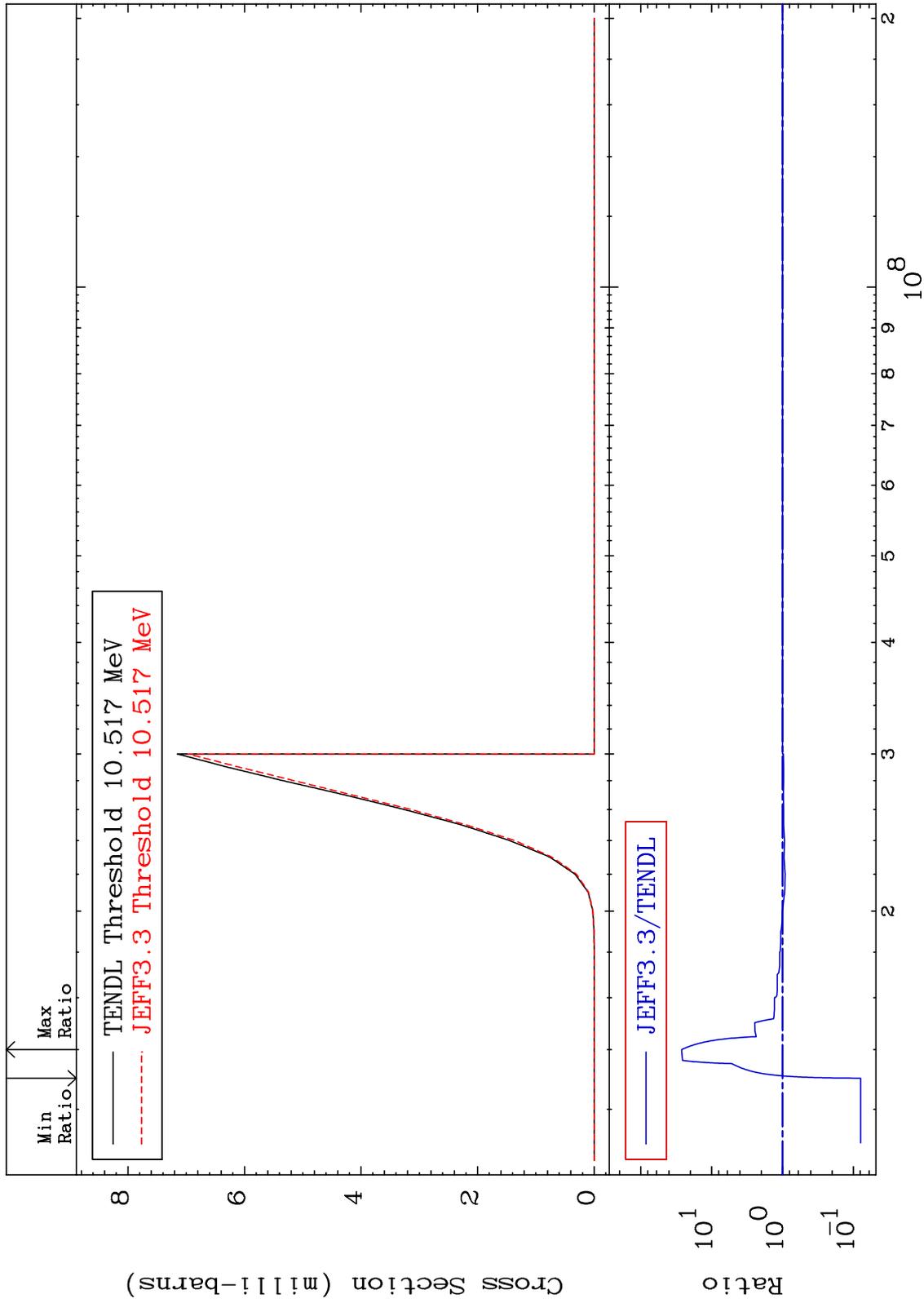
MAT 7531

(n,n') t

75-Re-187

Cross Section

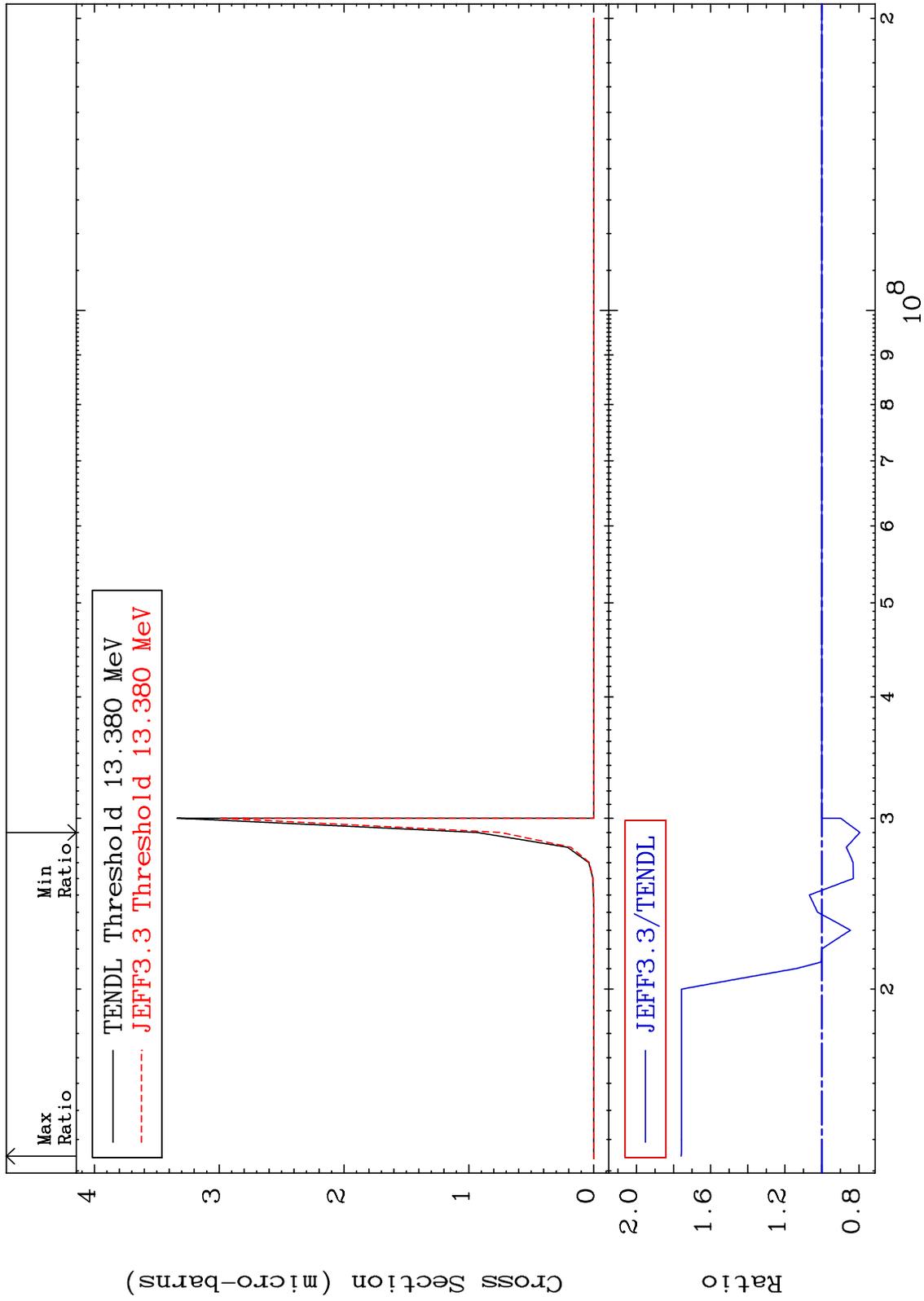
-92.10 To 2548. %



MAT 7531

(n, n') He-3
Cross Section

75-Re-187
-20.48 To 75.91 %



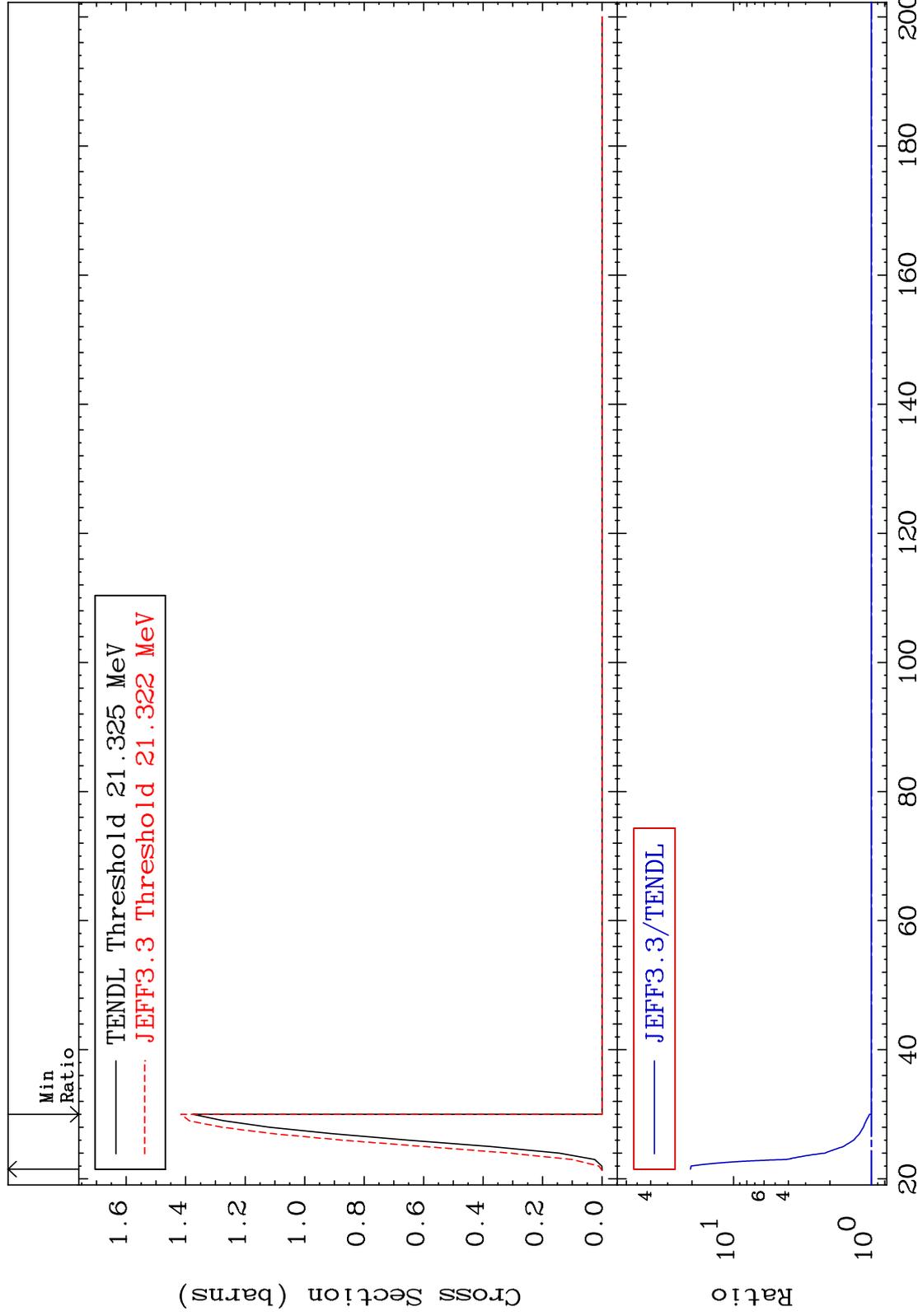
MAT 7531

(n, 4n)

75-Re-187

Cross Section

0.000 To 1952. %



15

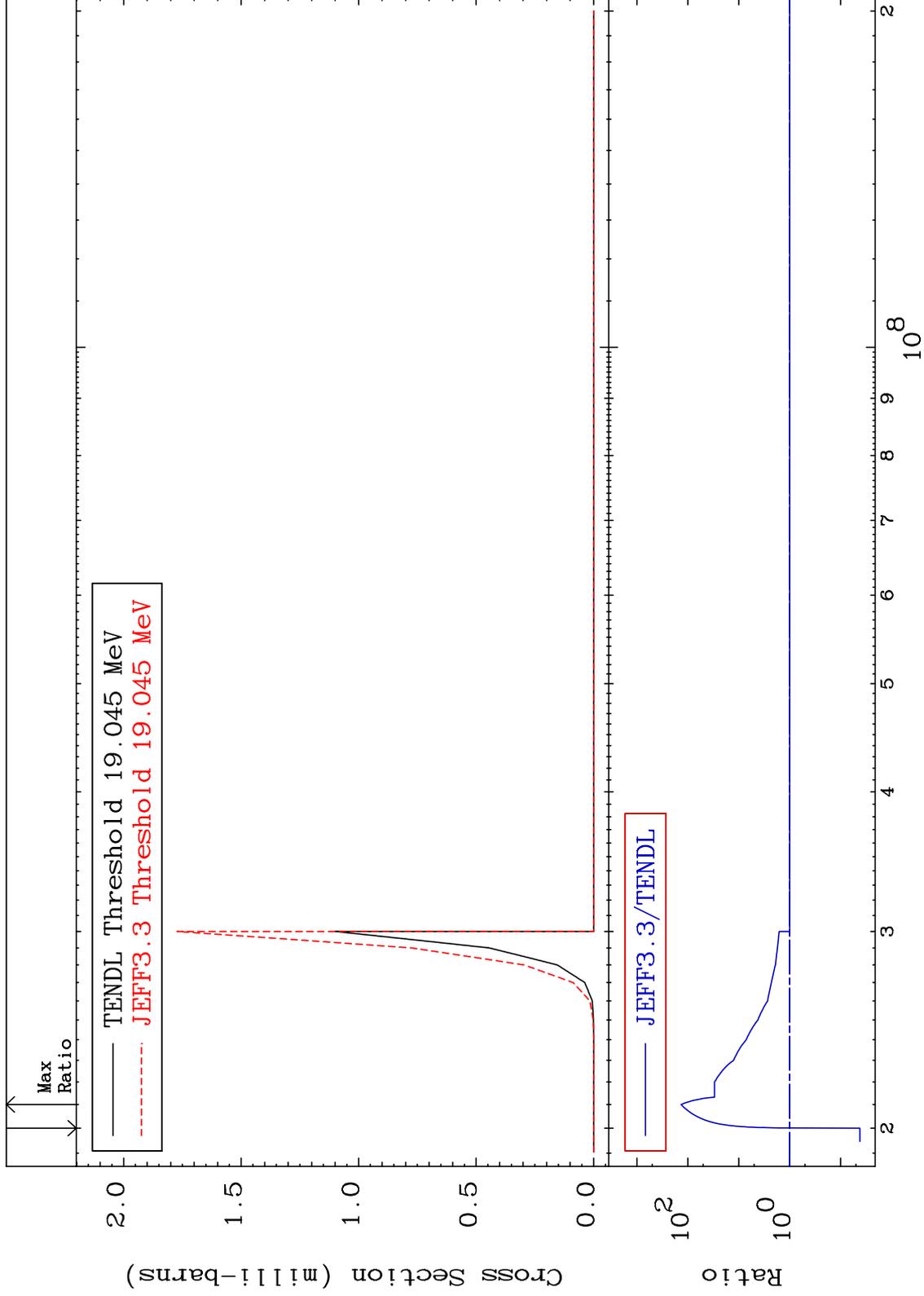
Incident Energy (MeV)

75-Re-187

MAT 7531

(n,3n) p
Cross Section

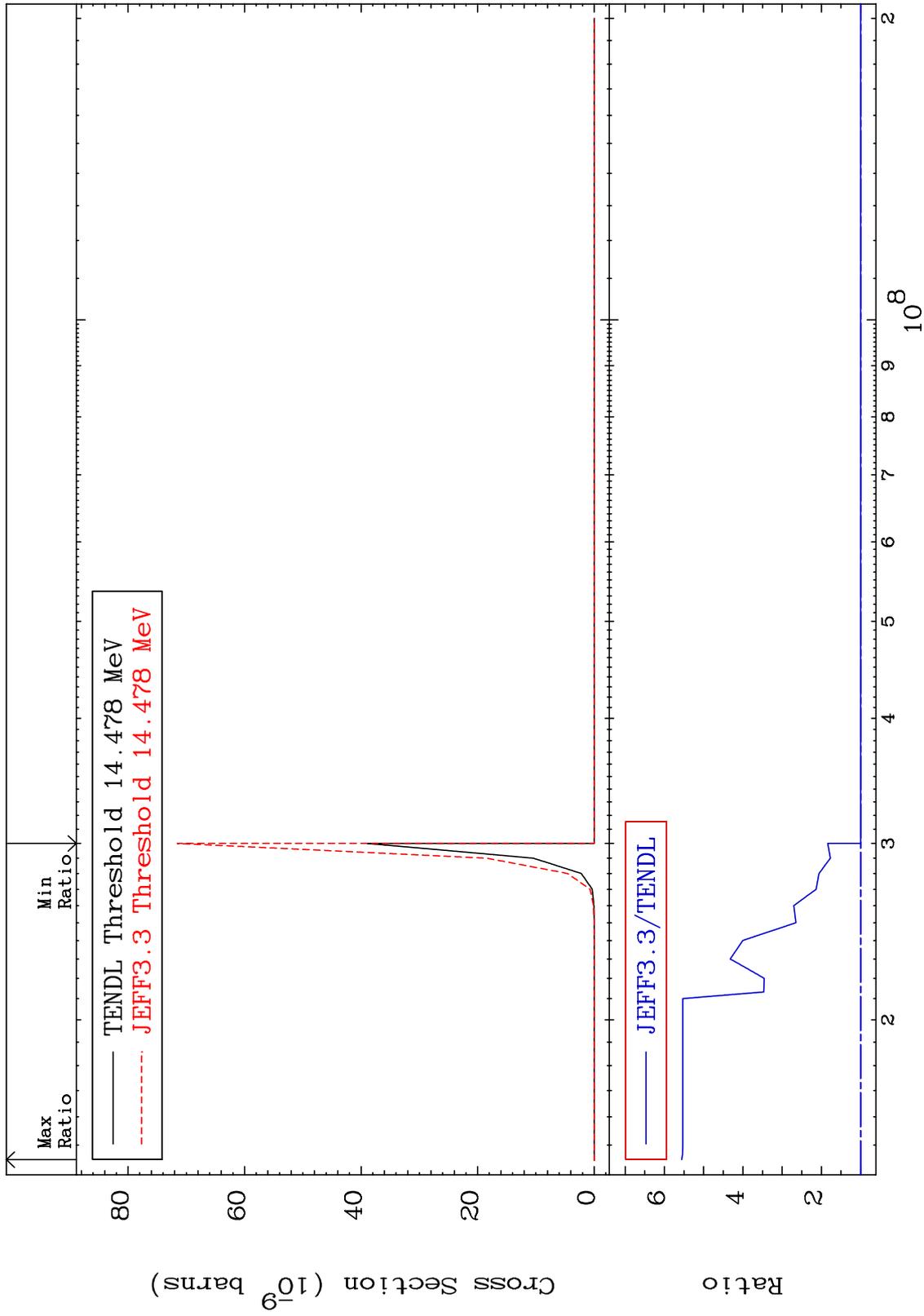
75-Re-187
-95.81 To 9999. %



MAT 7531

(n,2n) p
Cross Section

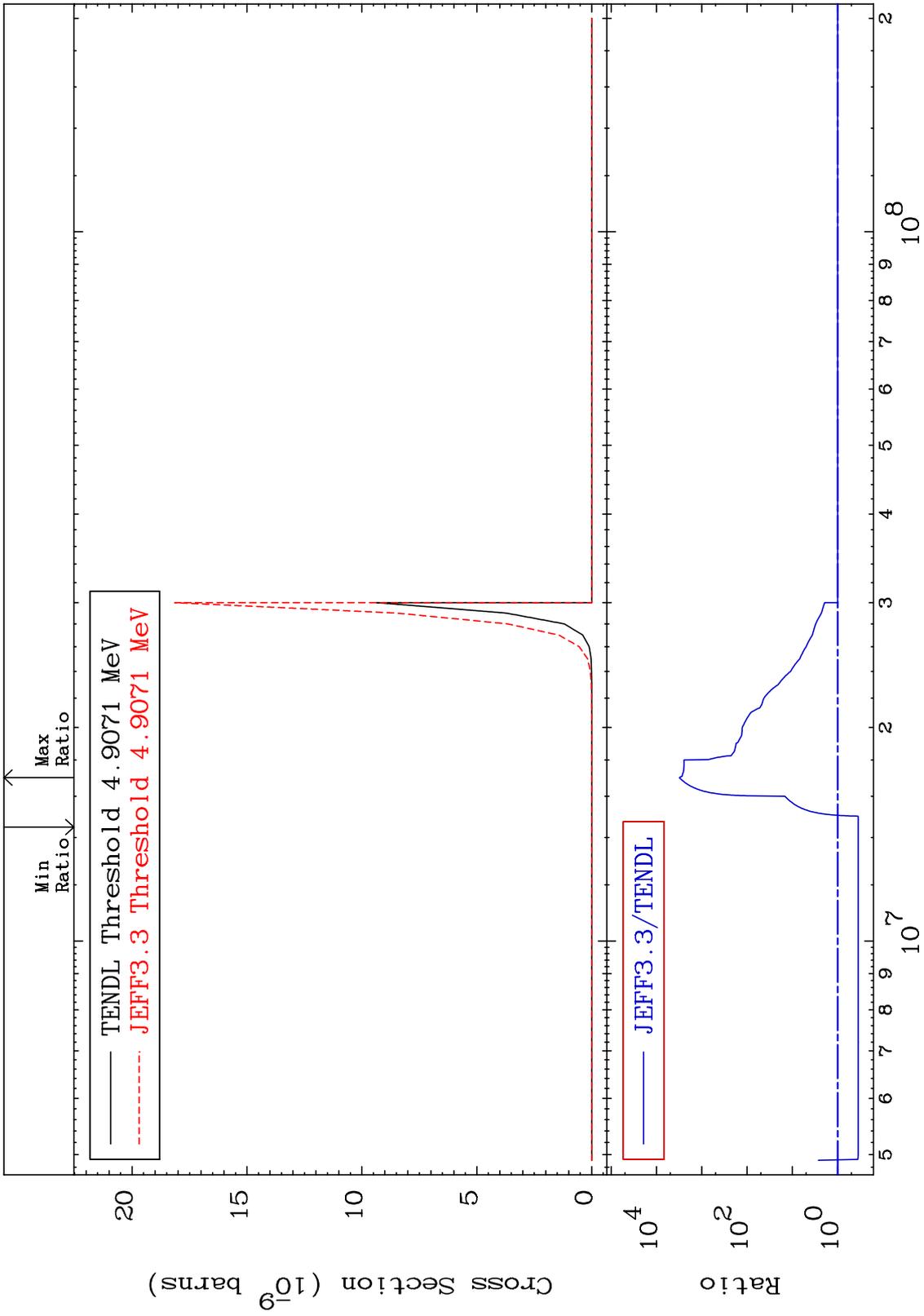
75-Re-187
0.000 To 455.8 %



MAT 7531

(n,n') p α
Cross Section

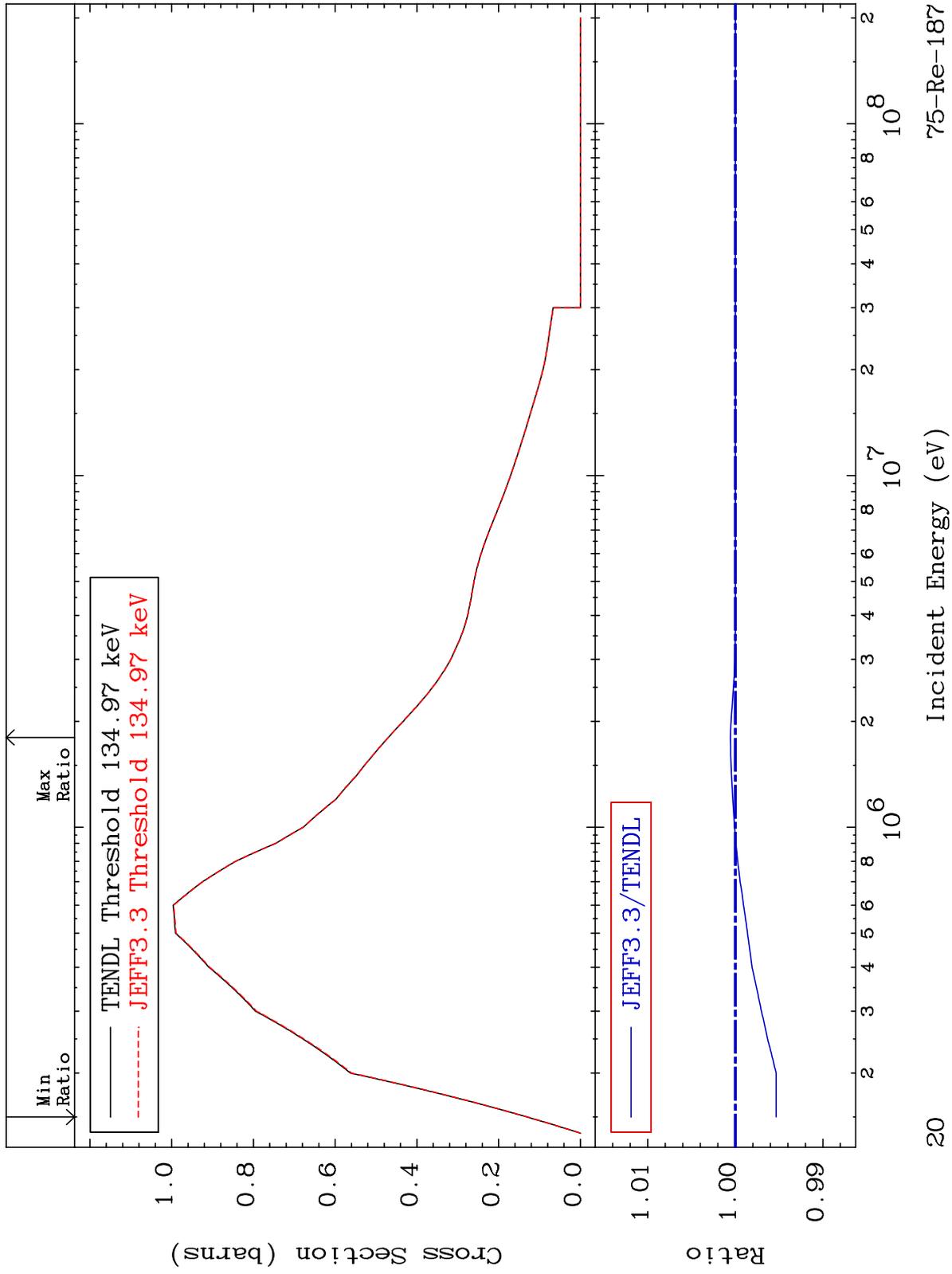
75-Re-187
-64.79 To 9999. %



MAT 7531

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

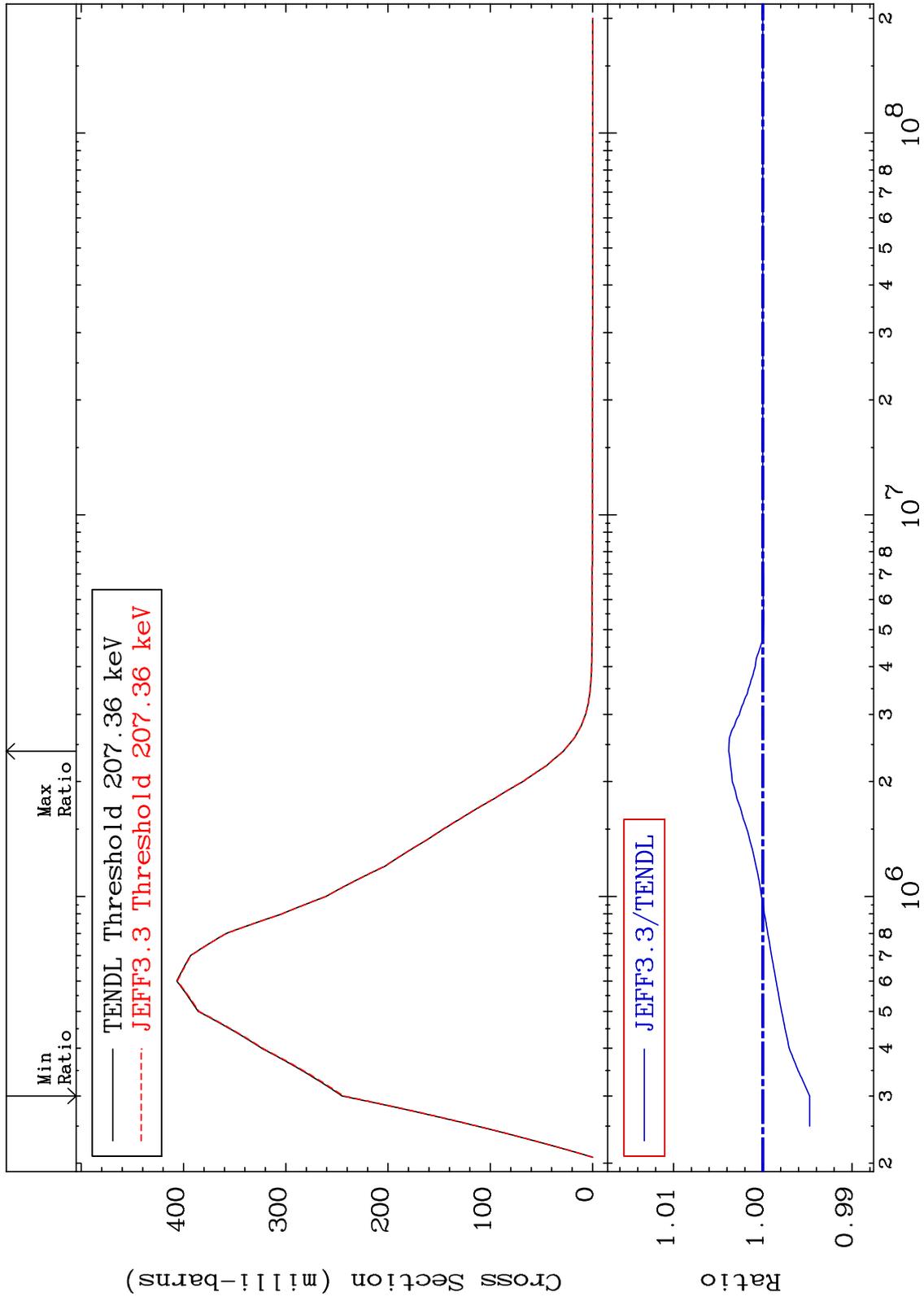
75-Re-187
-0.468 To 0.055 %



MAT 7531

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

75-Re-187
-0.525 To 0.382 %



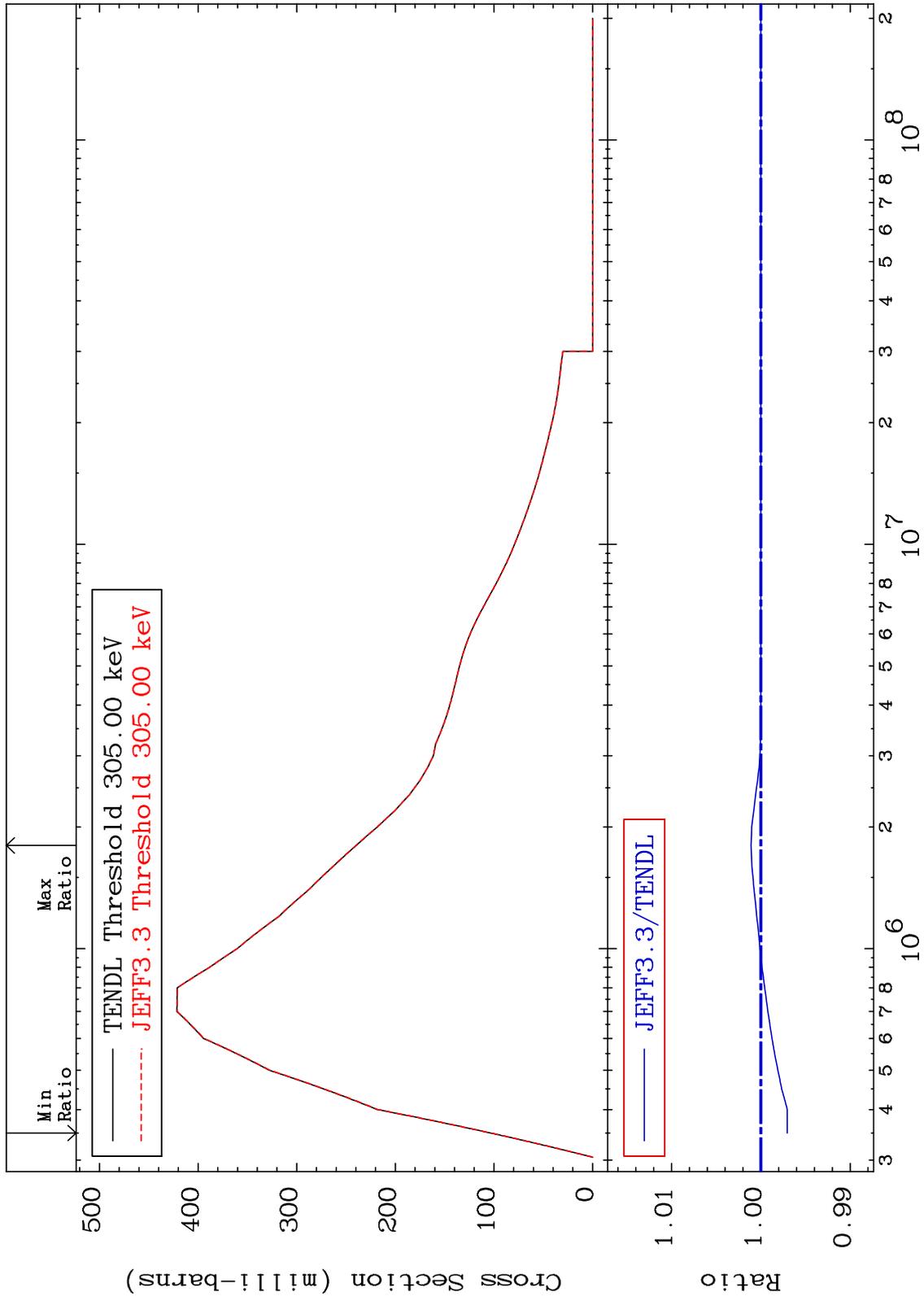
Incident Energy (eV)

75-Re-187

MAT 7531

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

75-Re-187
-0.296 To 0.110 %



22

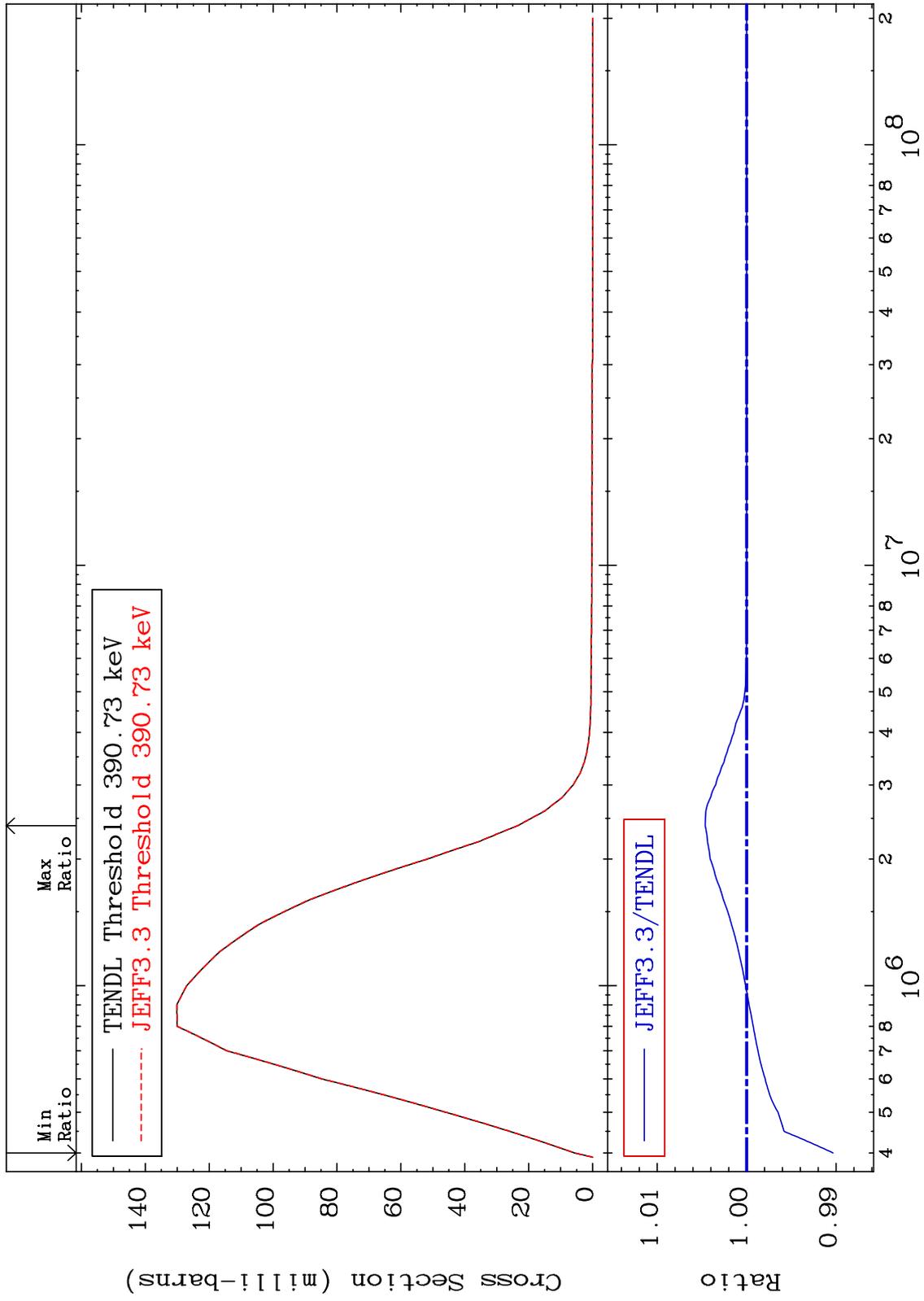
Incident Energy (eV)

75-Re-187

MAT 7531

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

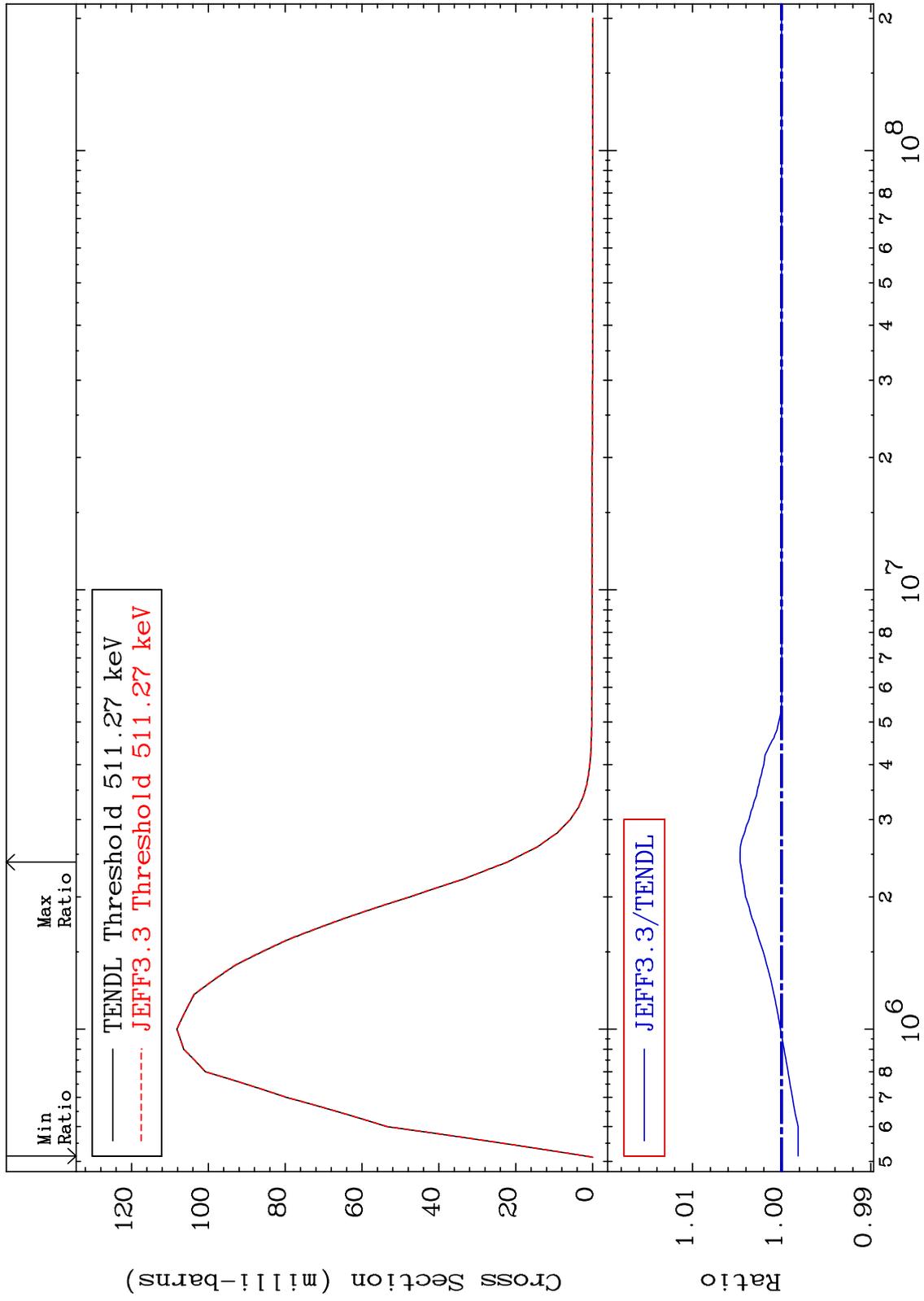
75-Re-187
-0.967 To 0.462 %



MAT 7531

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

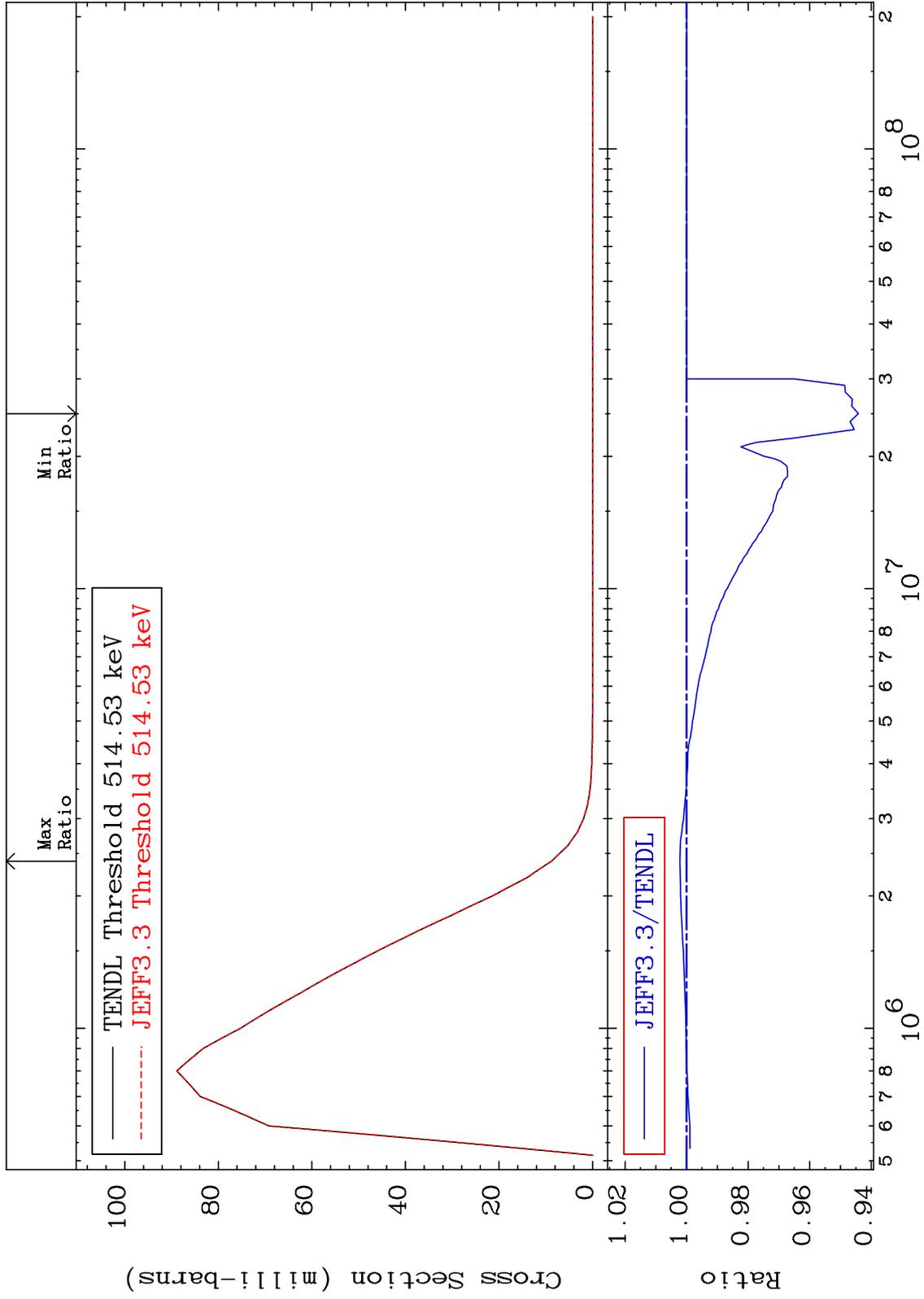
75-Re-187
-0.187 To 0.466 %



MAT 7531

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

75-Re-187
-5.583 To 0.217 %



25

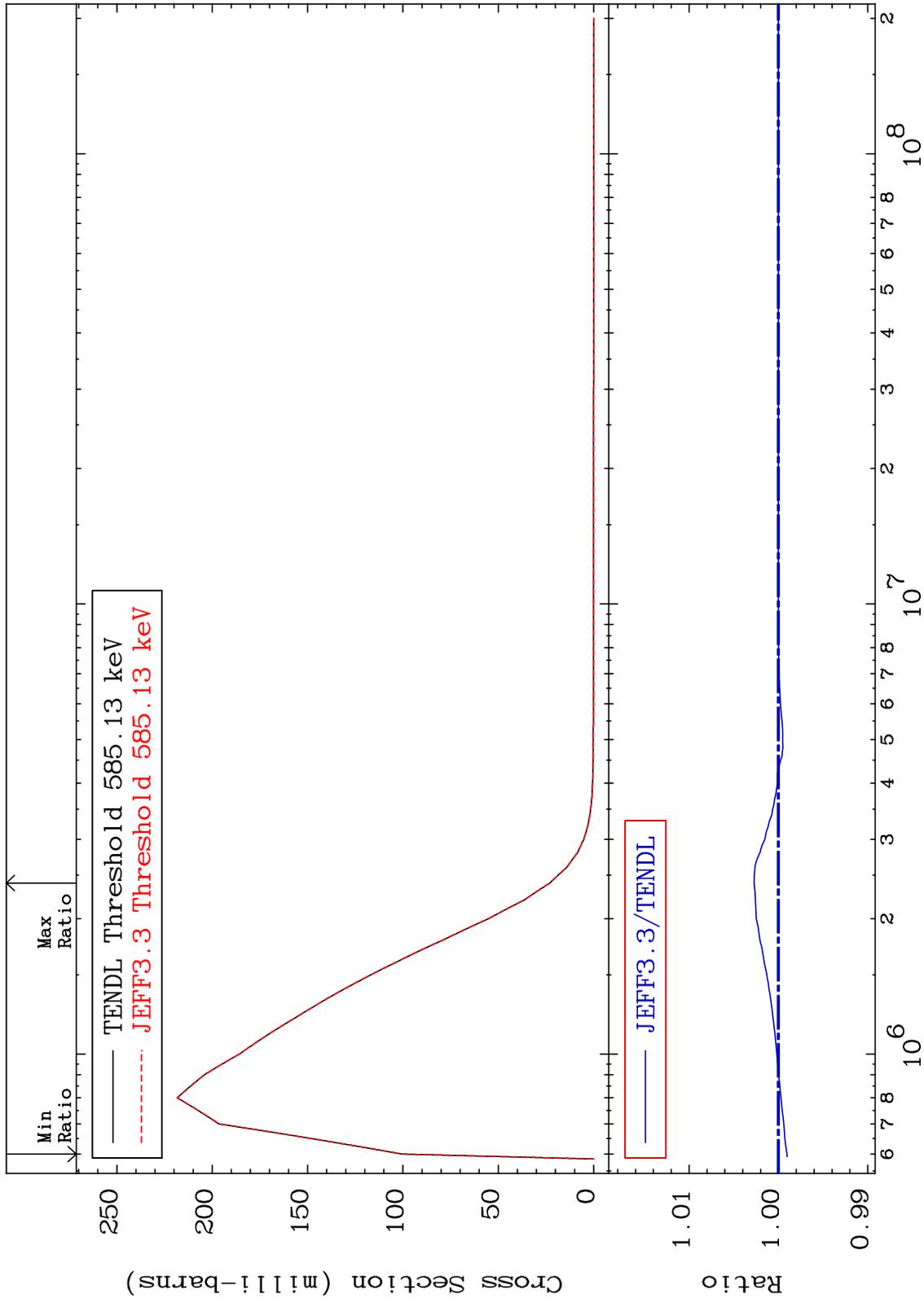
Incident Energy (eV)

75-Re-187

MAT 7531

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

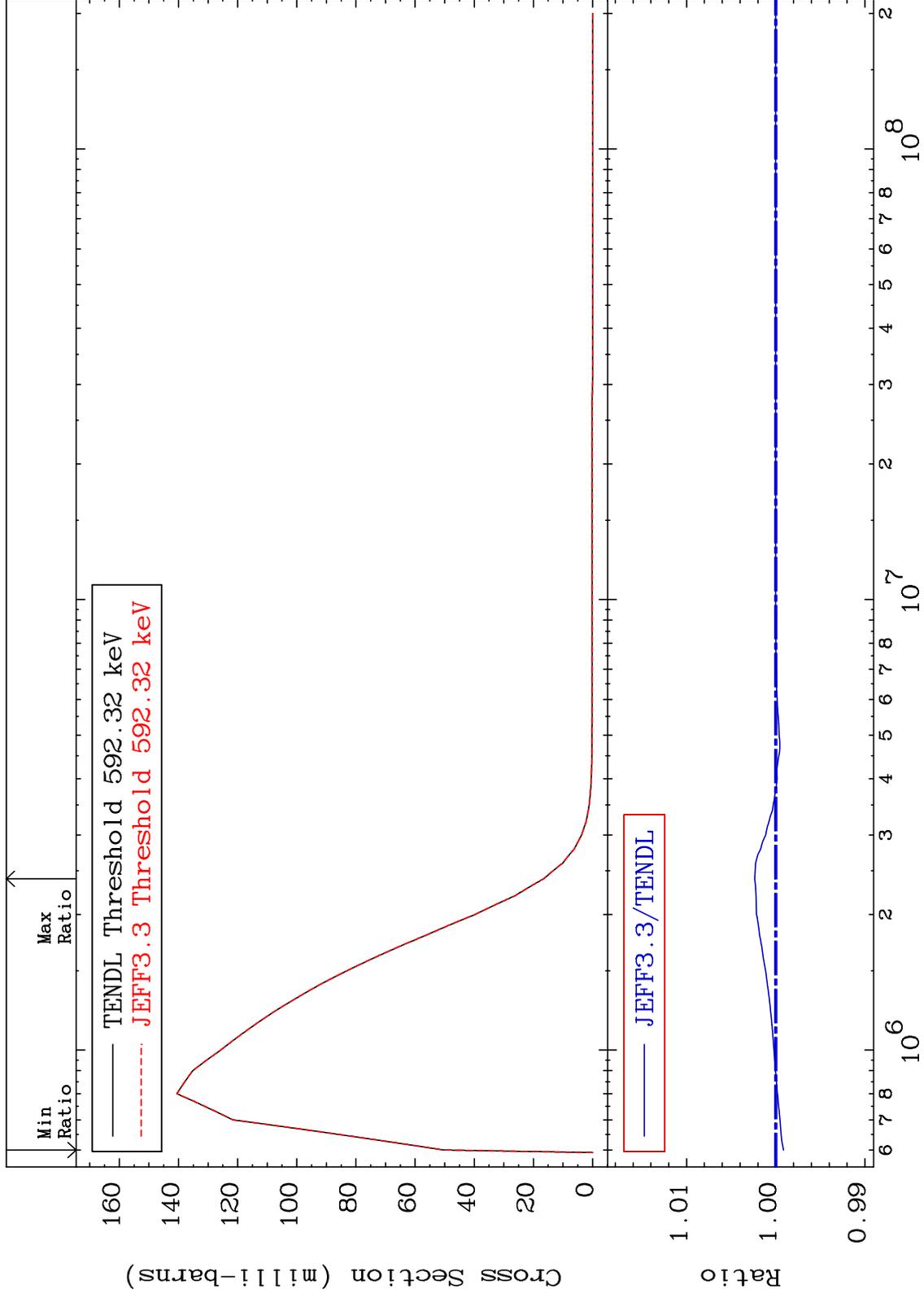
75-Re-187
-0.097 To 0.273 %



MAT 7531

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

75-Re-187
-0.087 To 0.235 %



27

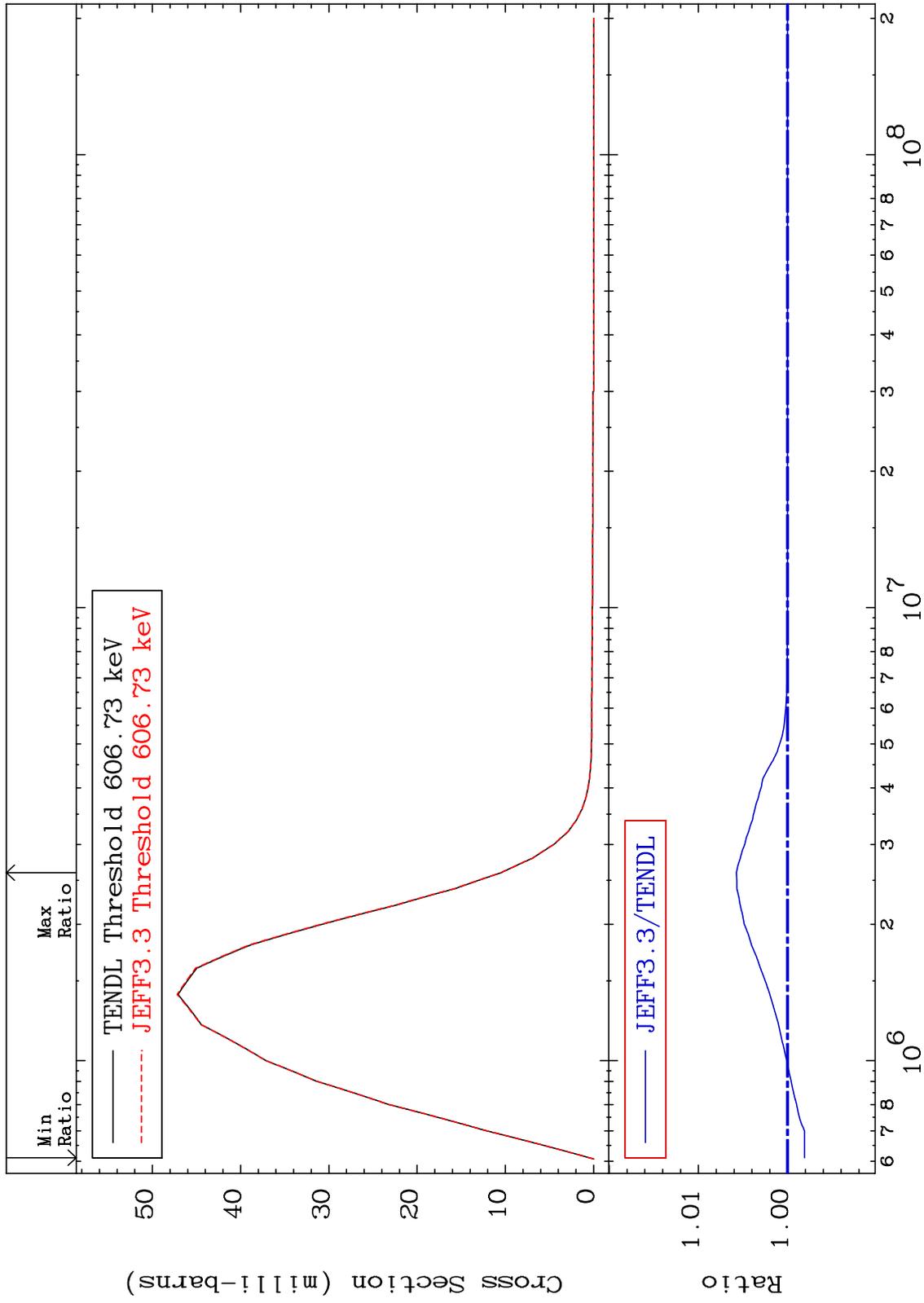
Incident Energy (eV)

75-Re-187

MAT 7531

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

75-Re-187
-0.190 To 0.573 %



28

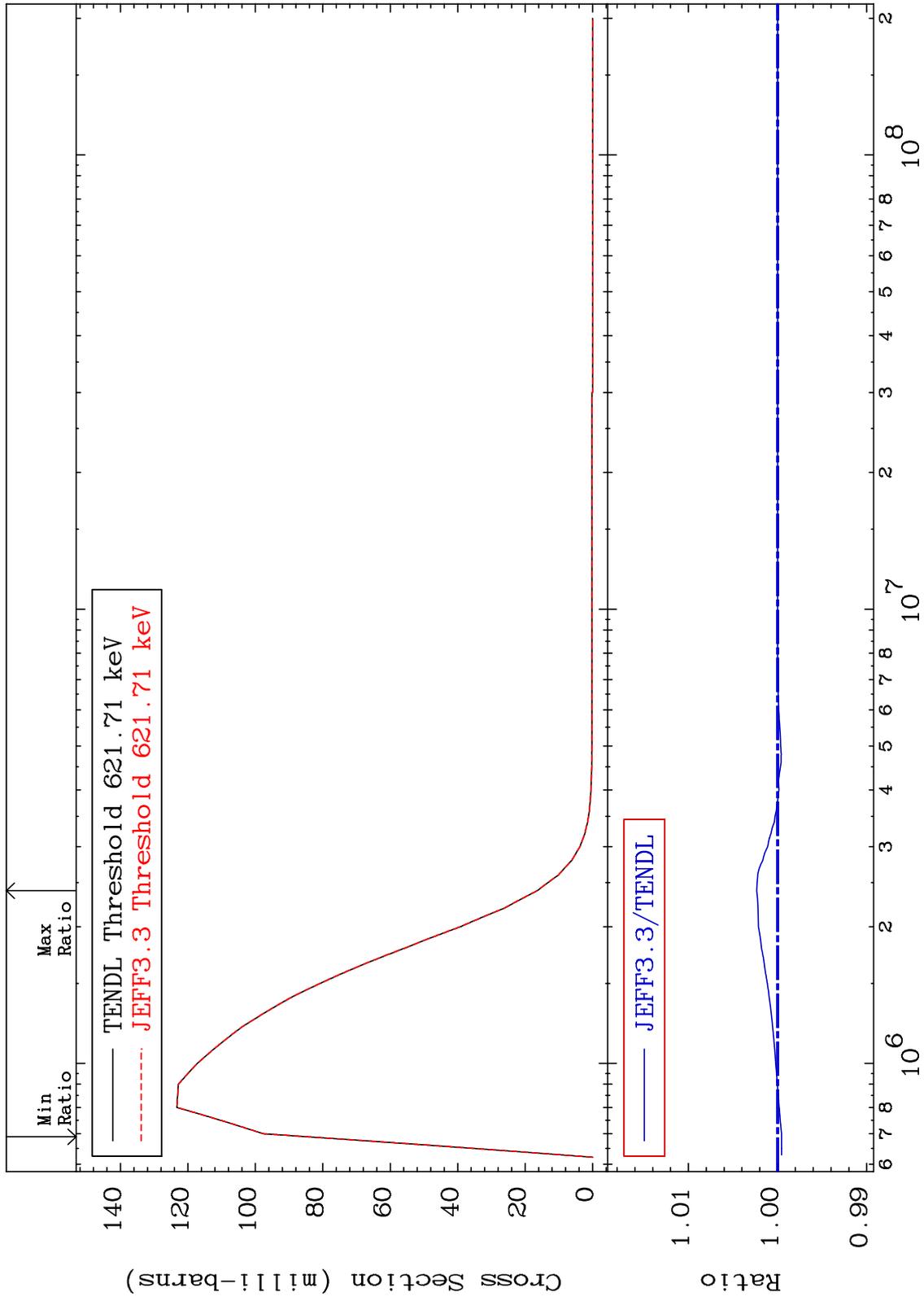
Incident Energy (eV)

75-Re-187

MAT 7531

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

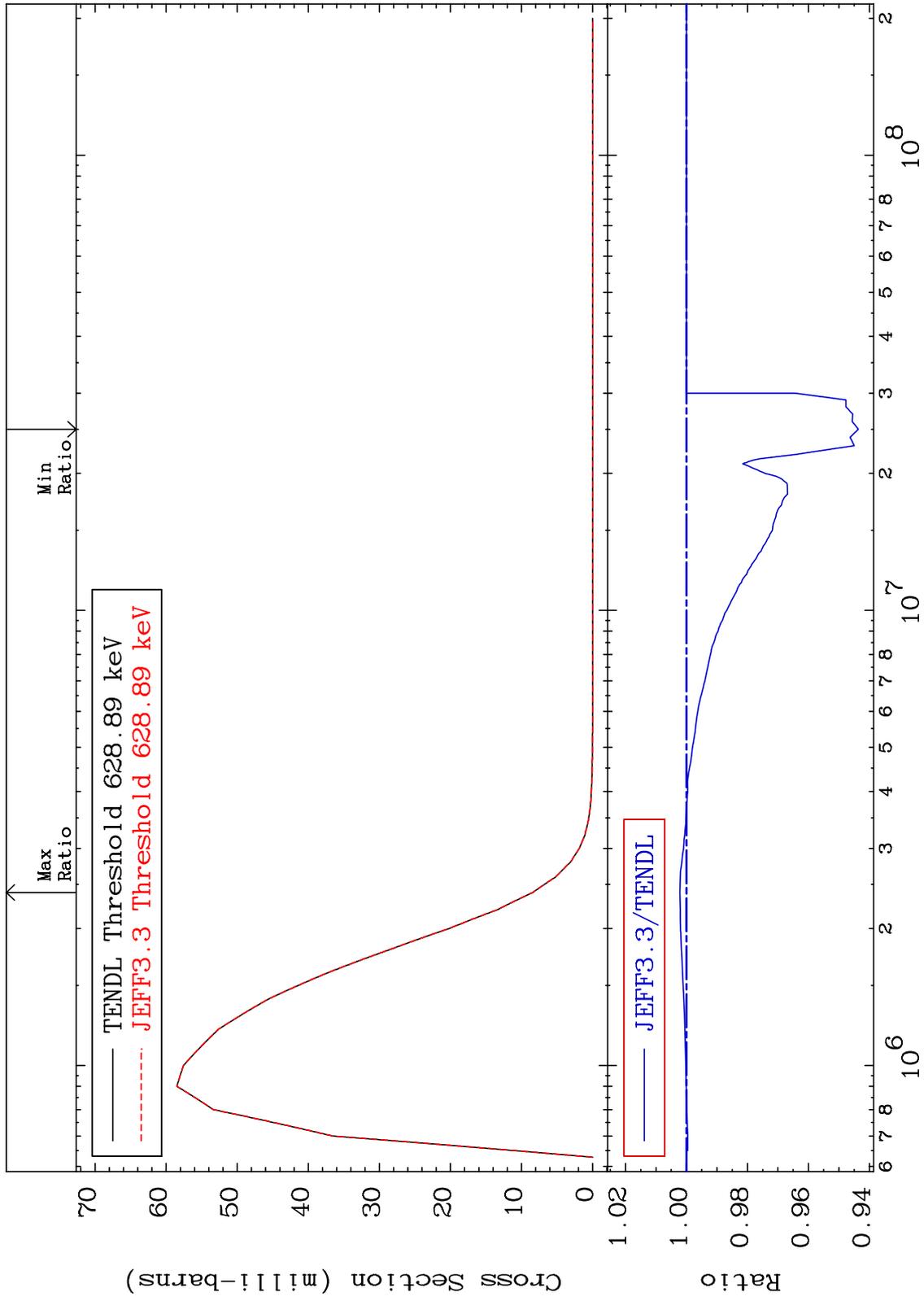
75-Re-187
-0.045 To 0.233 %



MAT 7531

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

75-Re-187
-5.639 To 0.215 %



30

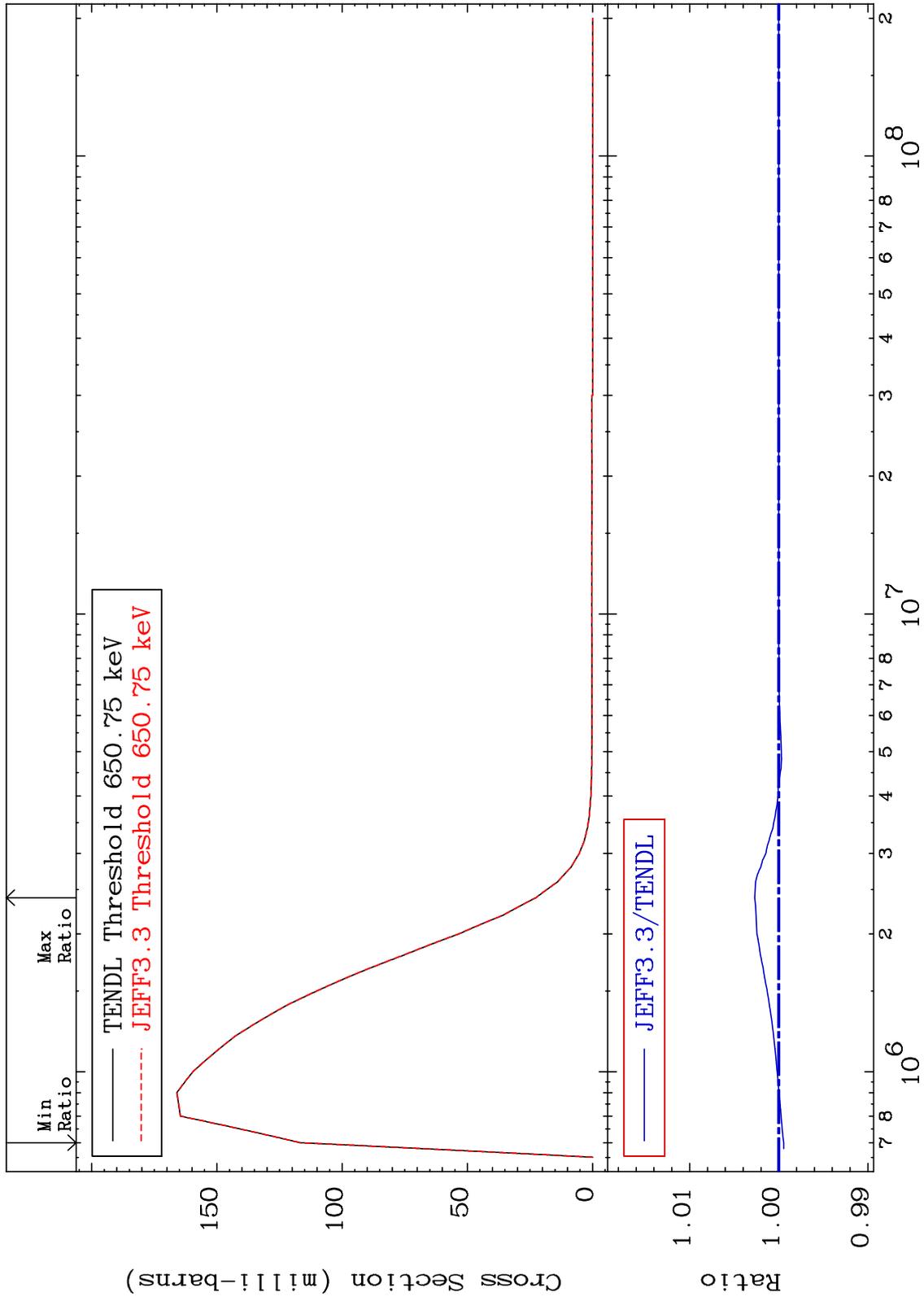
Incident Energy (eV)

75-Re-187

MAT 7531

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

75-Re-187
-0.055 To 0.270 %



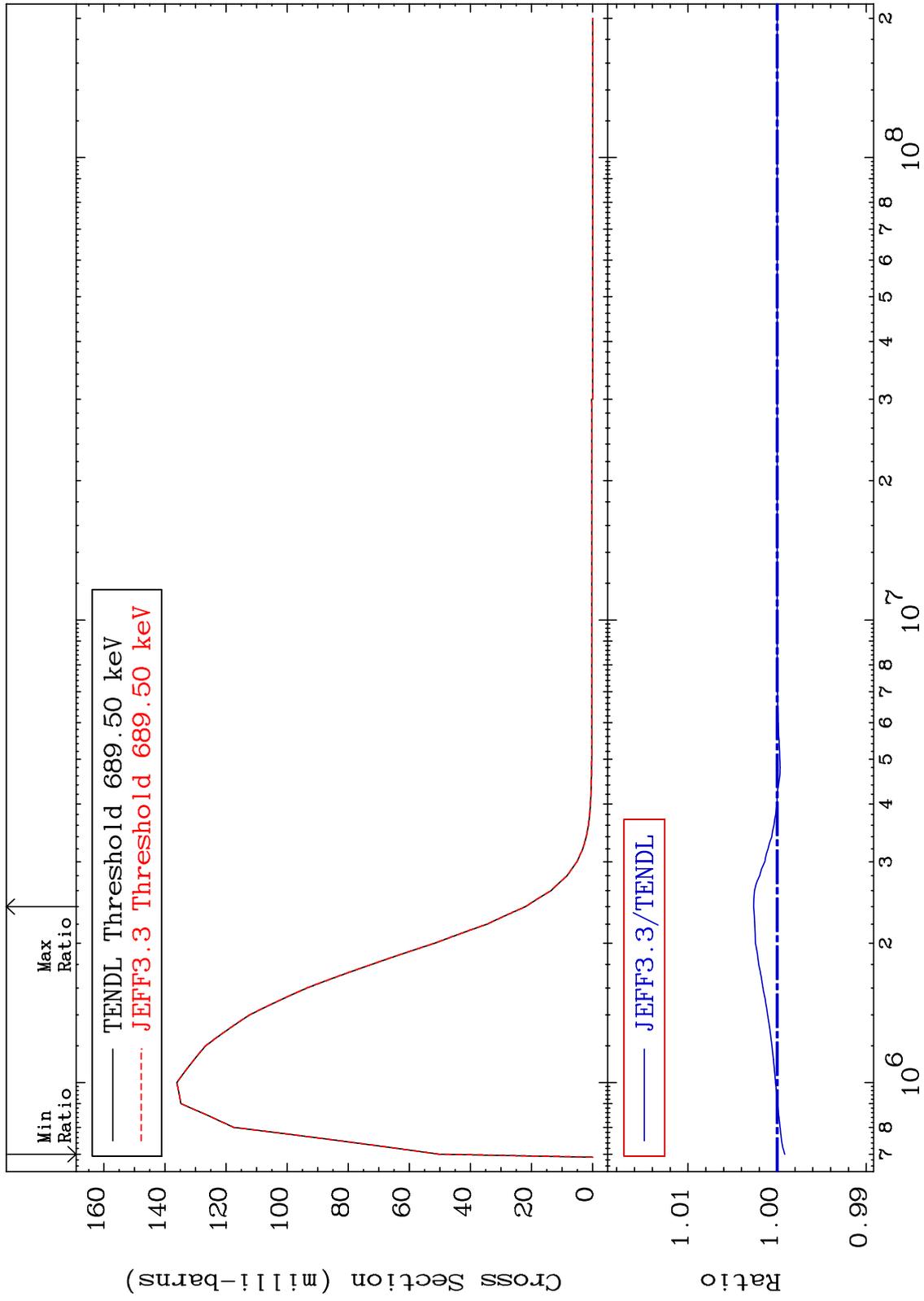
31

75-Re-187

MAT 7531

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

75-Re-187
-0.085 To 0.265 %



32

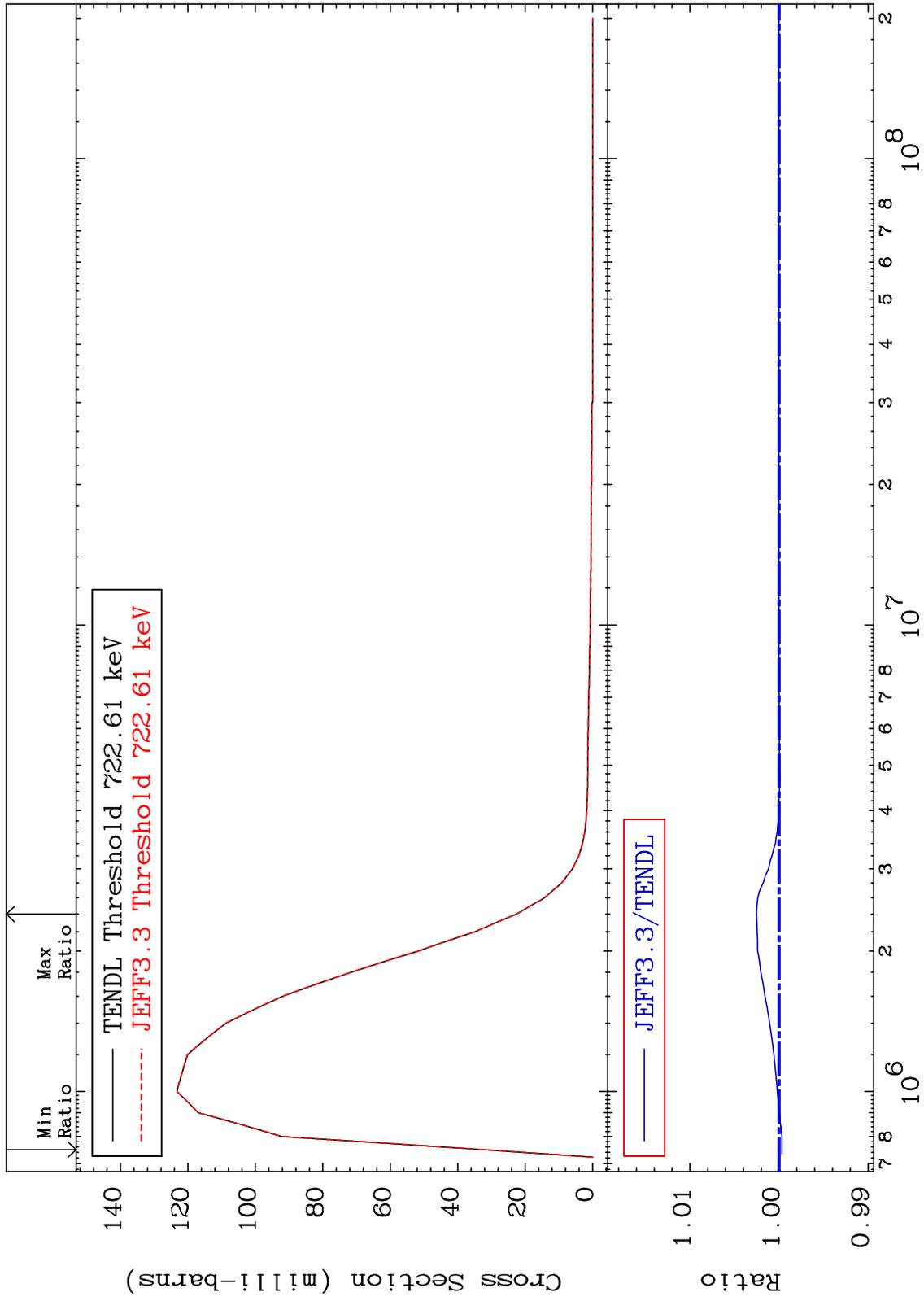
Incident Energy (eV)

75-Re-187

MAT 7531

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

75-Re-187
-0.033 To 0.254 %



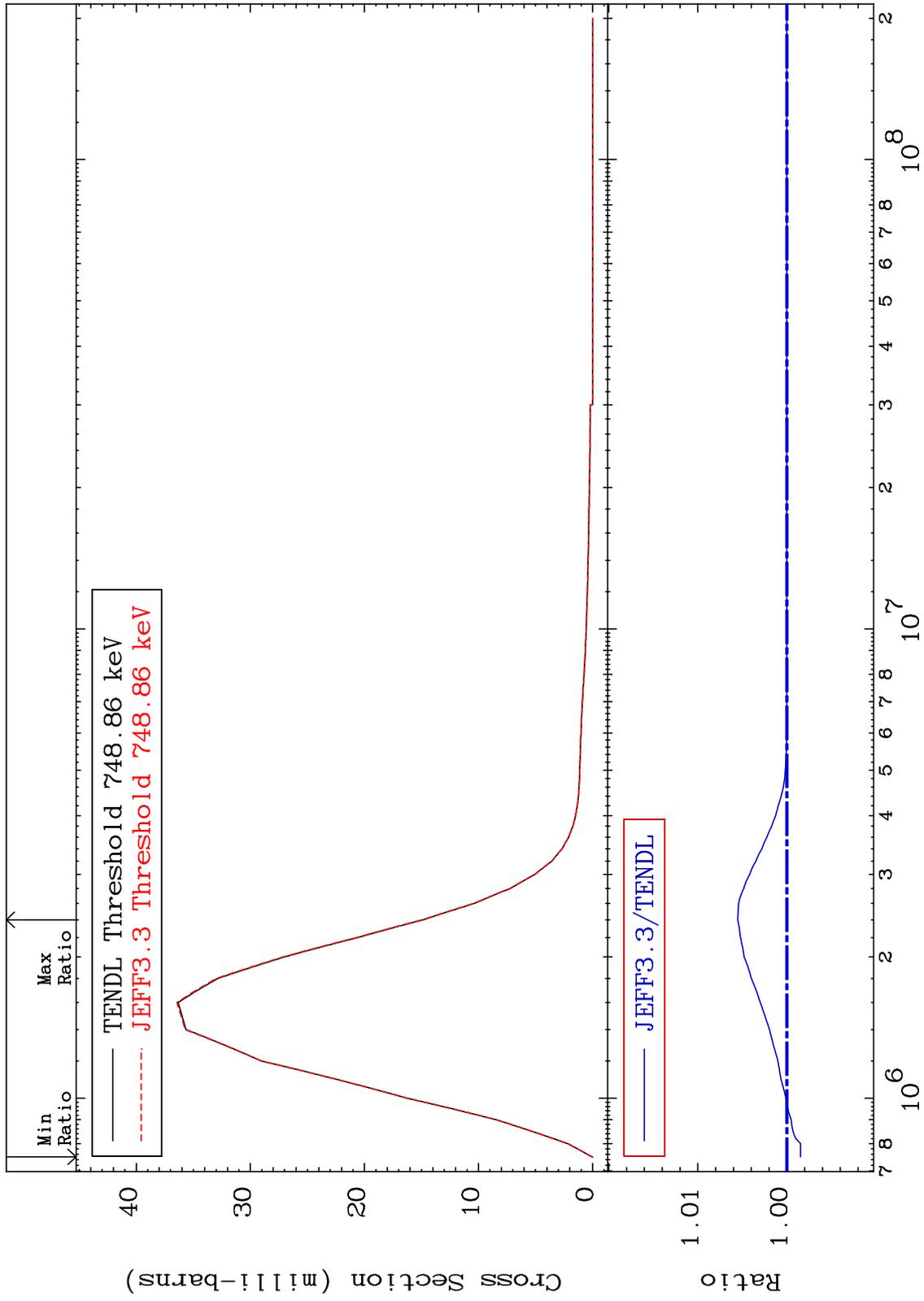
33

75-Re-187

MAT 7531

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

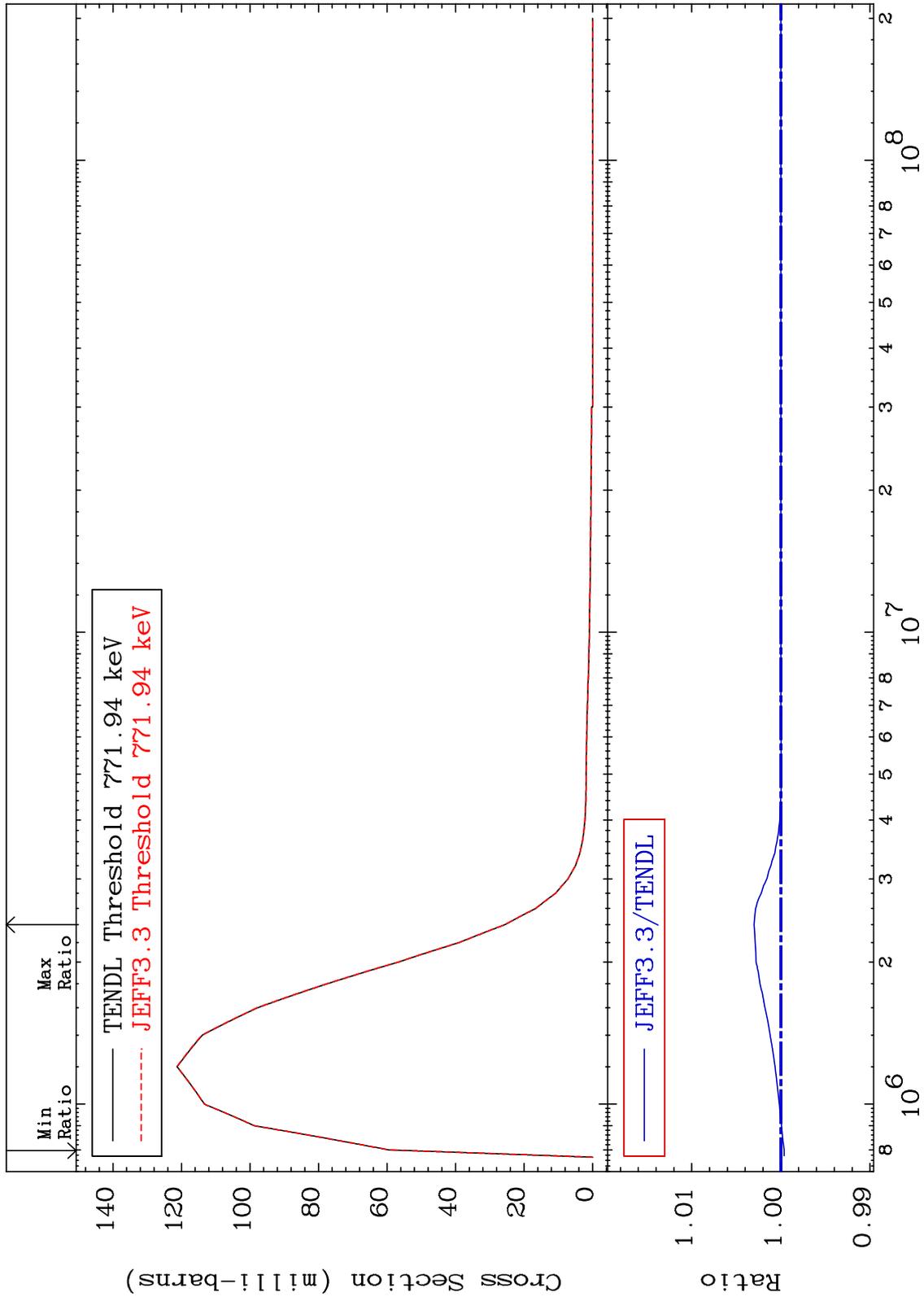
75-Re-187
-0.154 To 0.551 %



MAT 7531

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

75-Re-187
-0.038 To 0.300 %



35

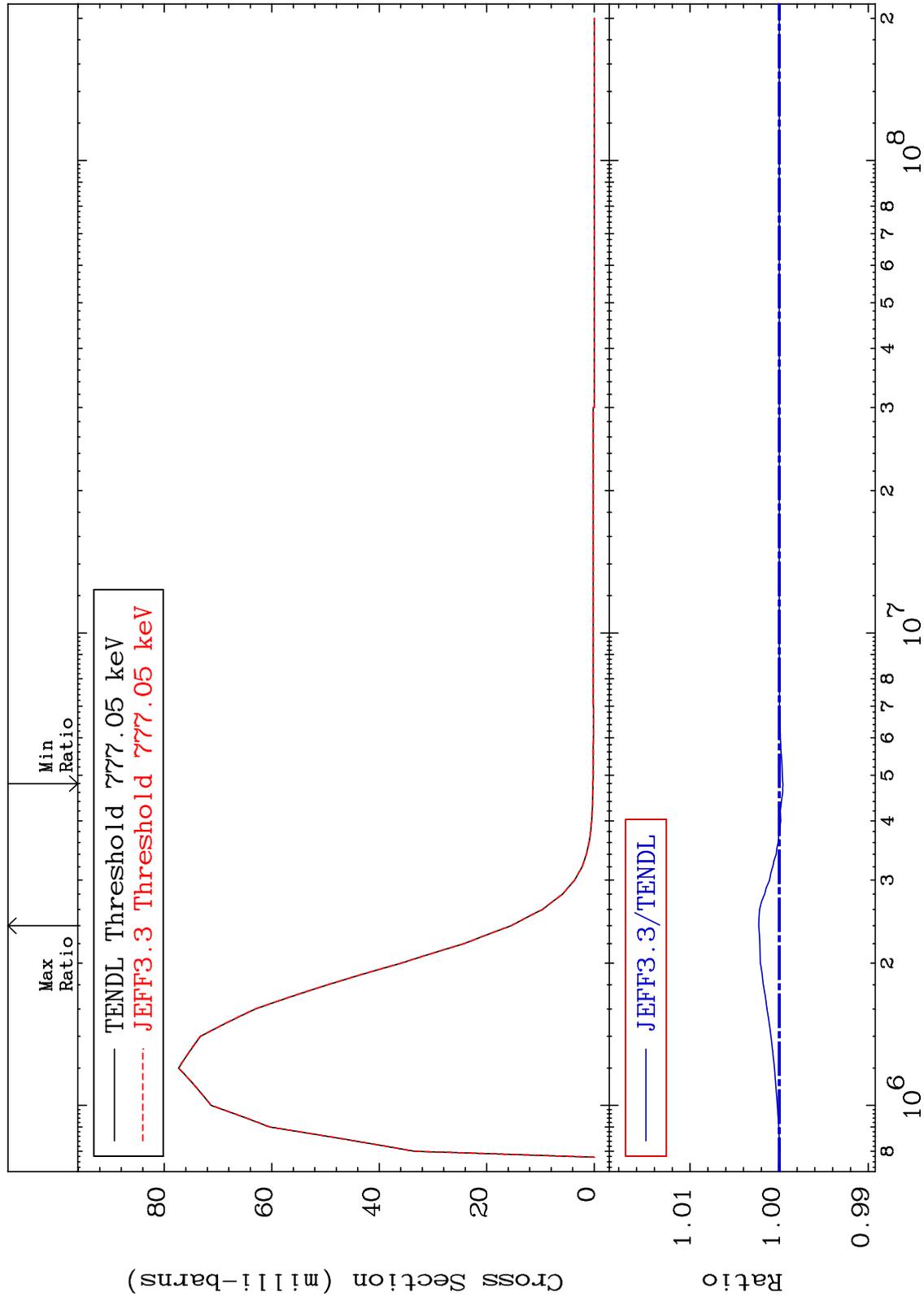
Incident Energy (eV)

75-Re-187

MAT 7531

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

75-Re-187
-0.041 To 0.230 %



36

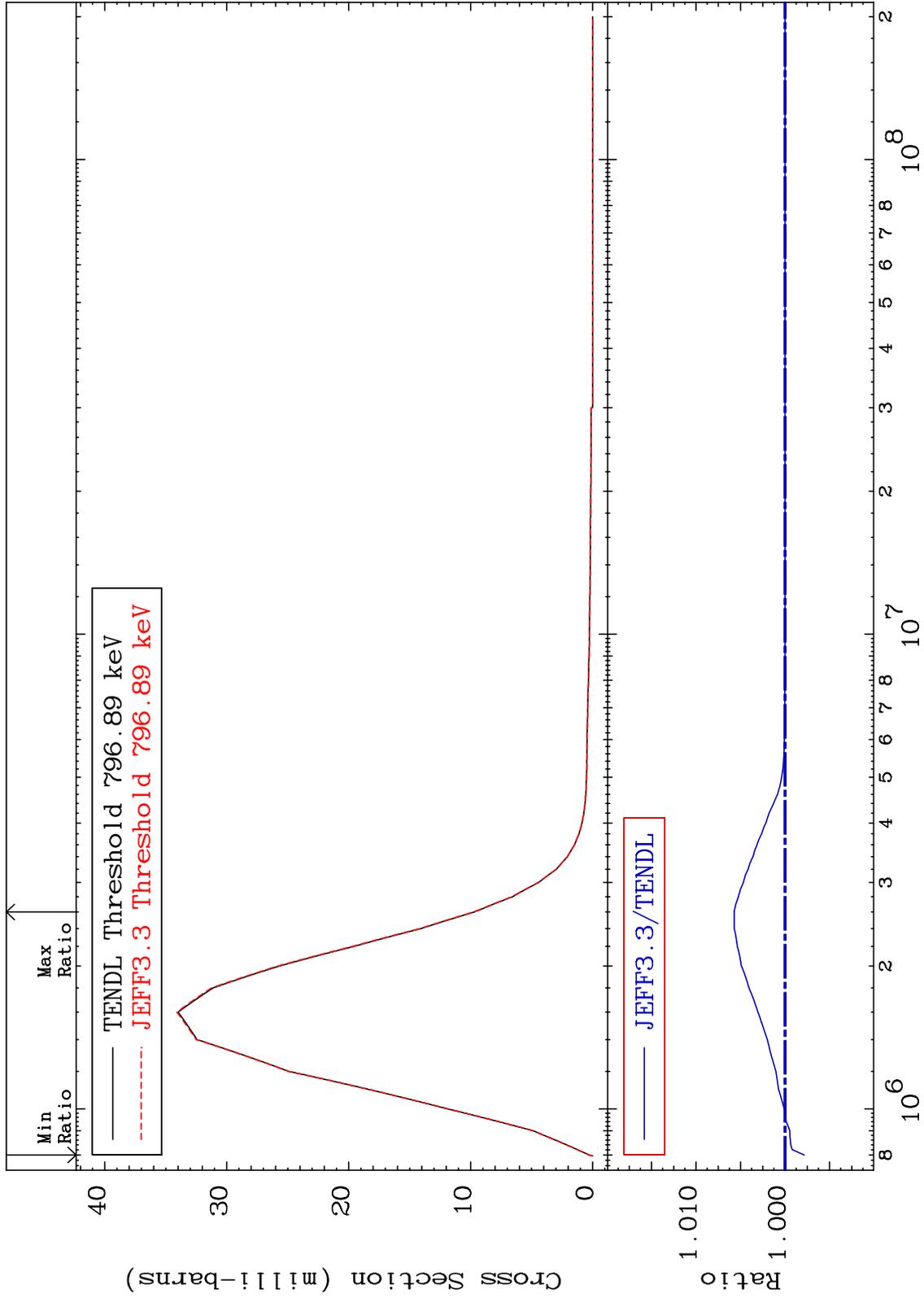
Incident Energy (eV)

75-Re-187

MAT 7531

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

75-Re-187
-0.215 To 0.572 %



37

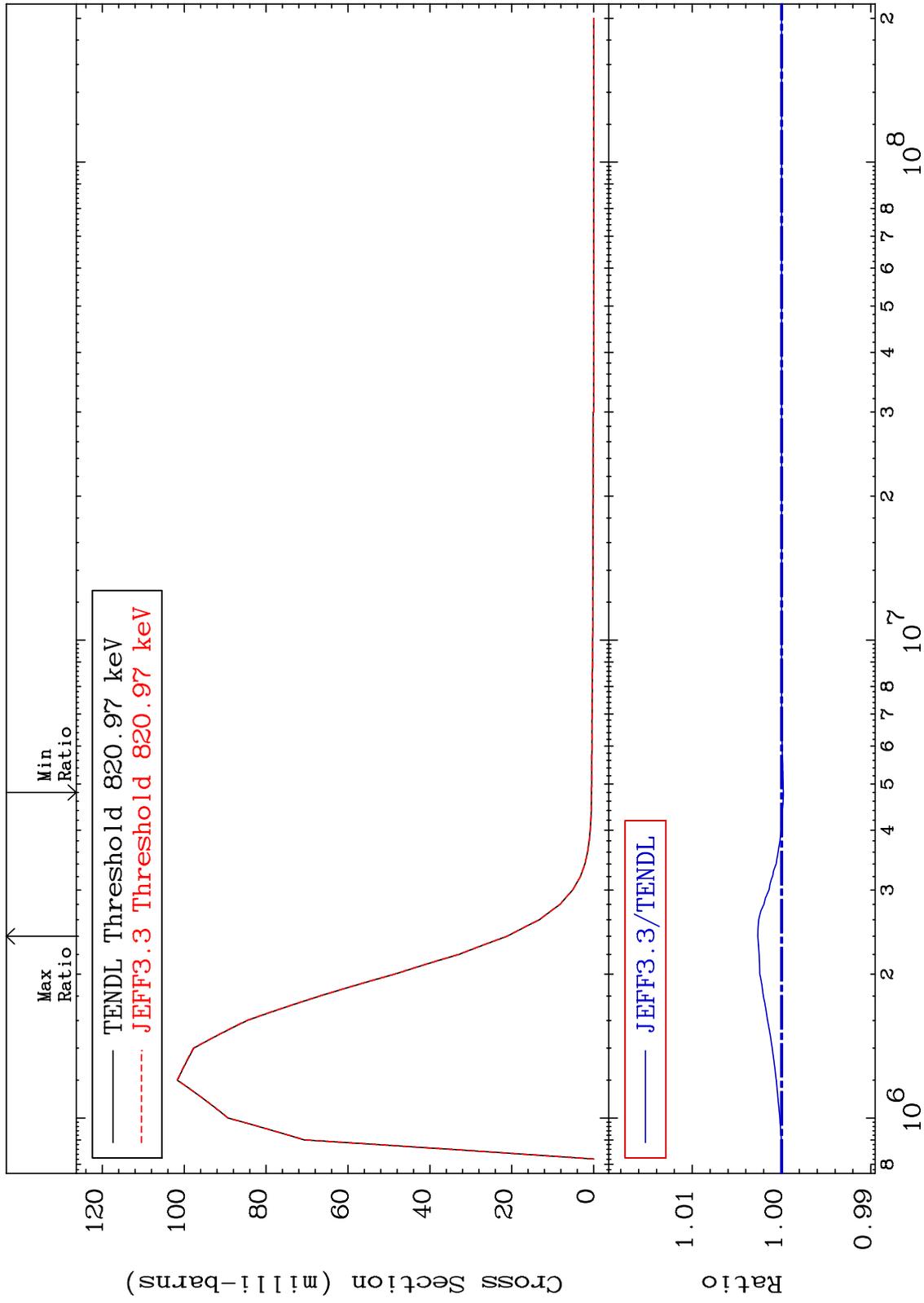
Incident Energy (eV)

75-Re-187

MAT 7531

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

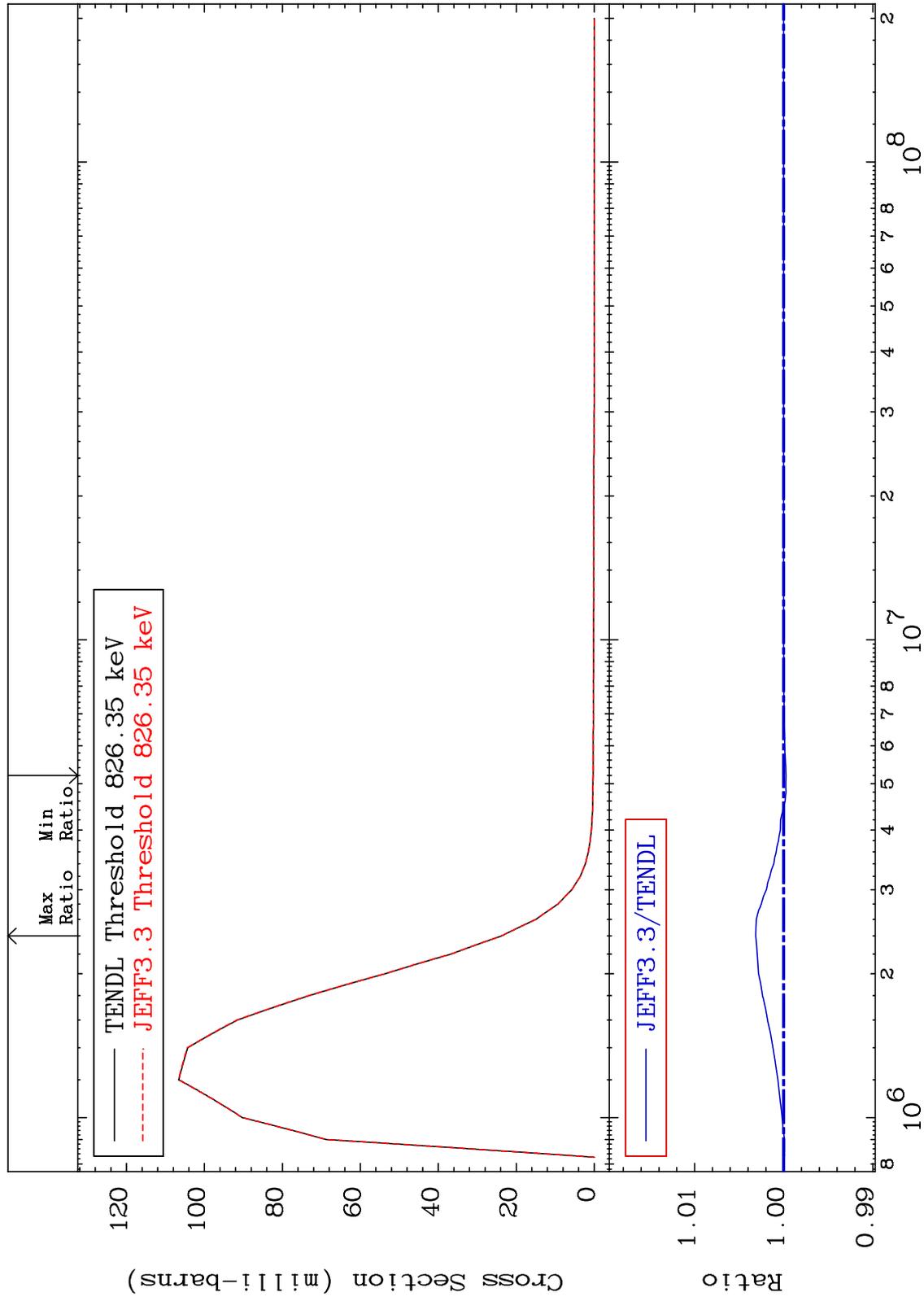
75-Re-187
-0.020 To 0.267 %



MAT 7531

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

⁷⁵Re-187
-0.025 To 0.315 %



39

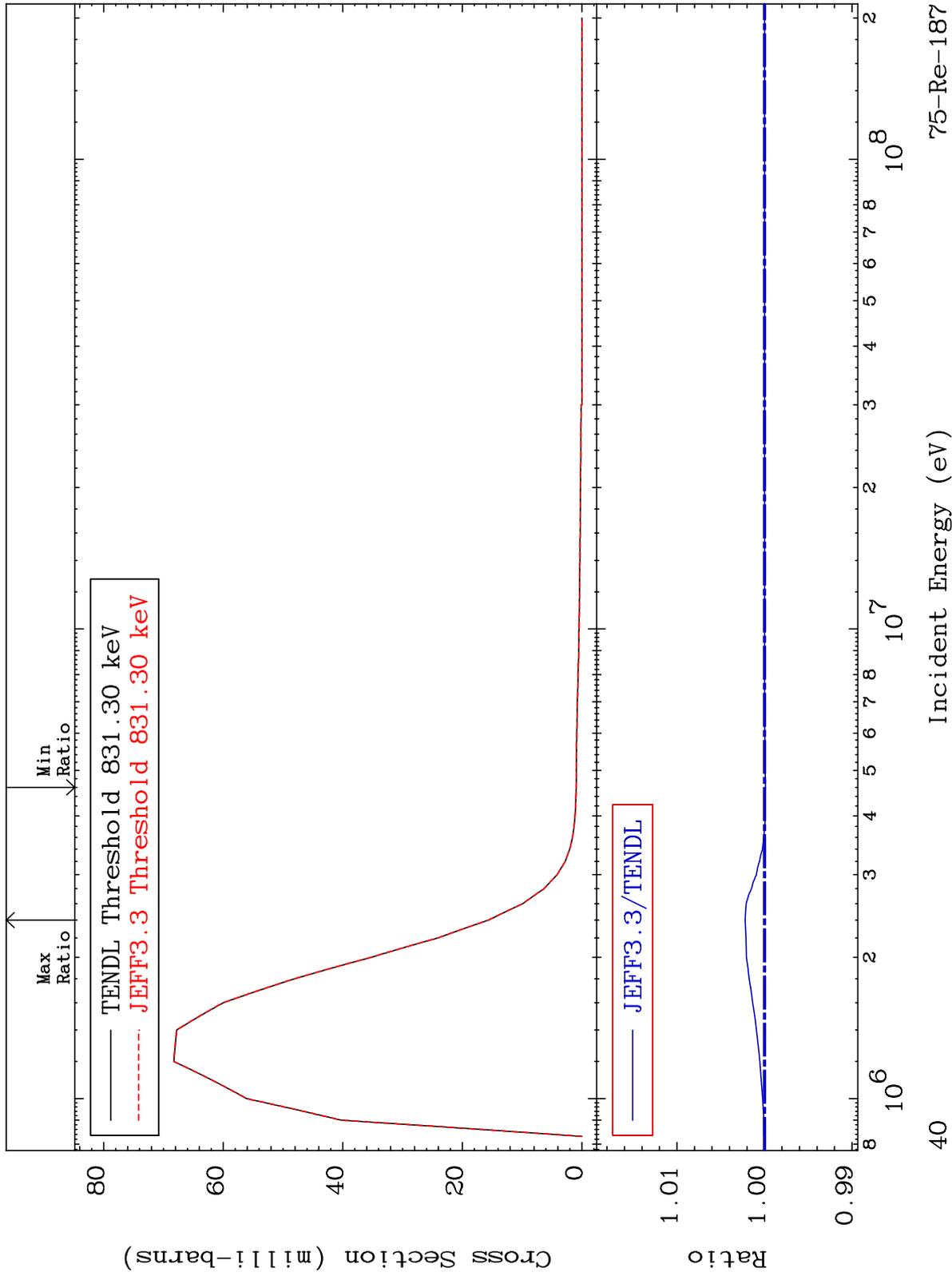
Incident Energy (eV)

⁷⁵Re-187

MAT 7531

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

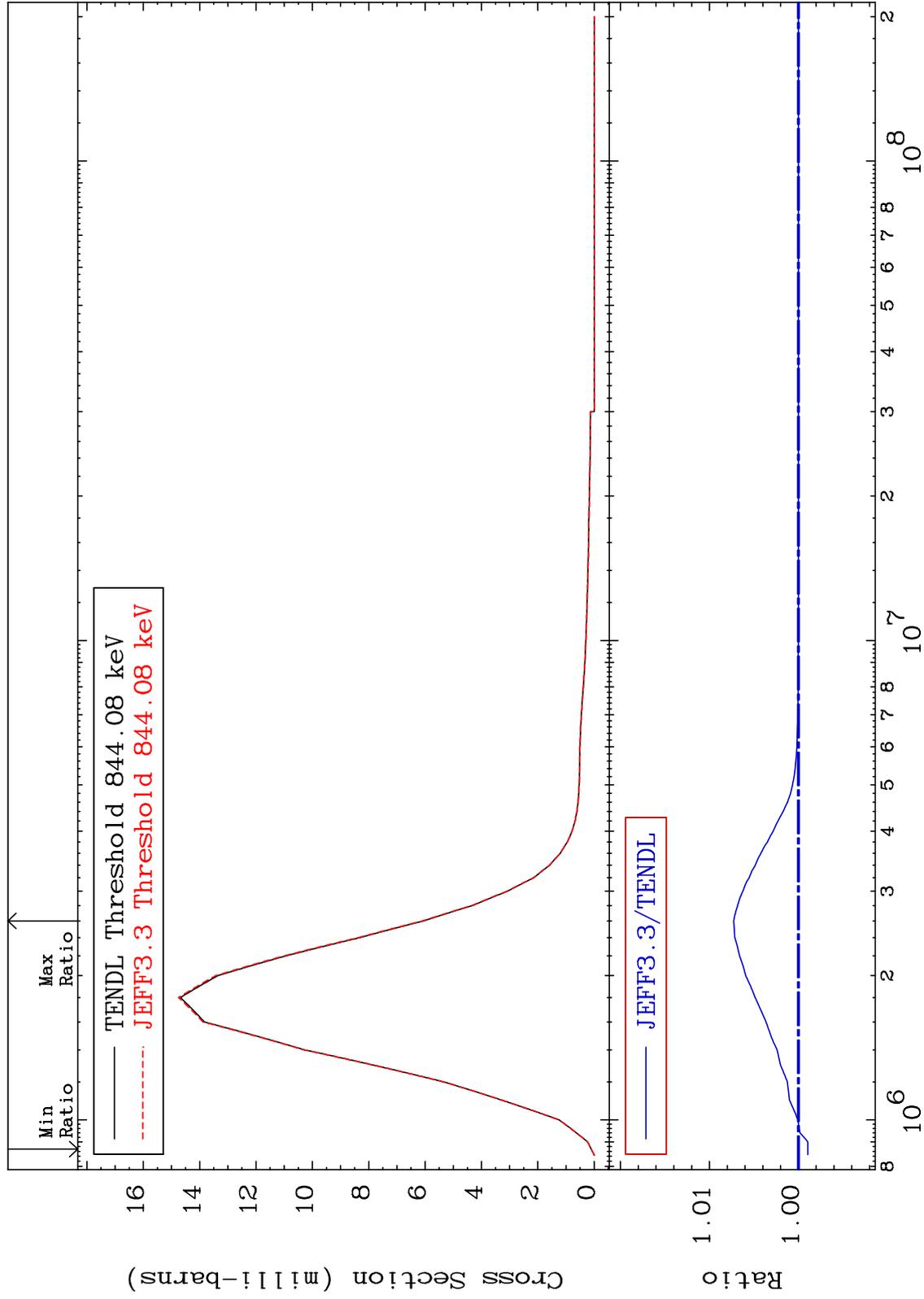
75-Re-187
-0.010 To 0.222 %



MAT 7531

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

75-Re-187
-0.106 To 0.727 %



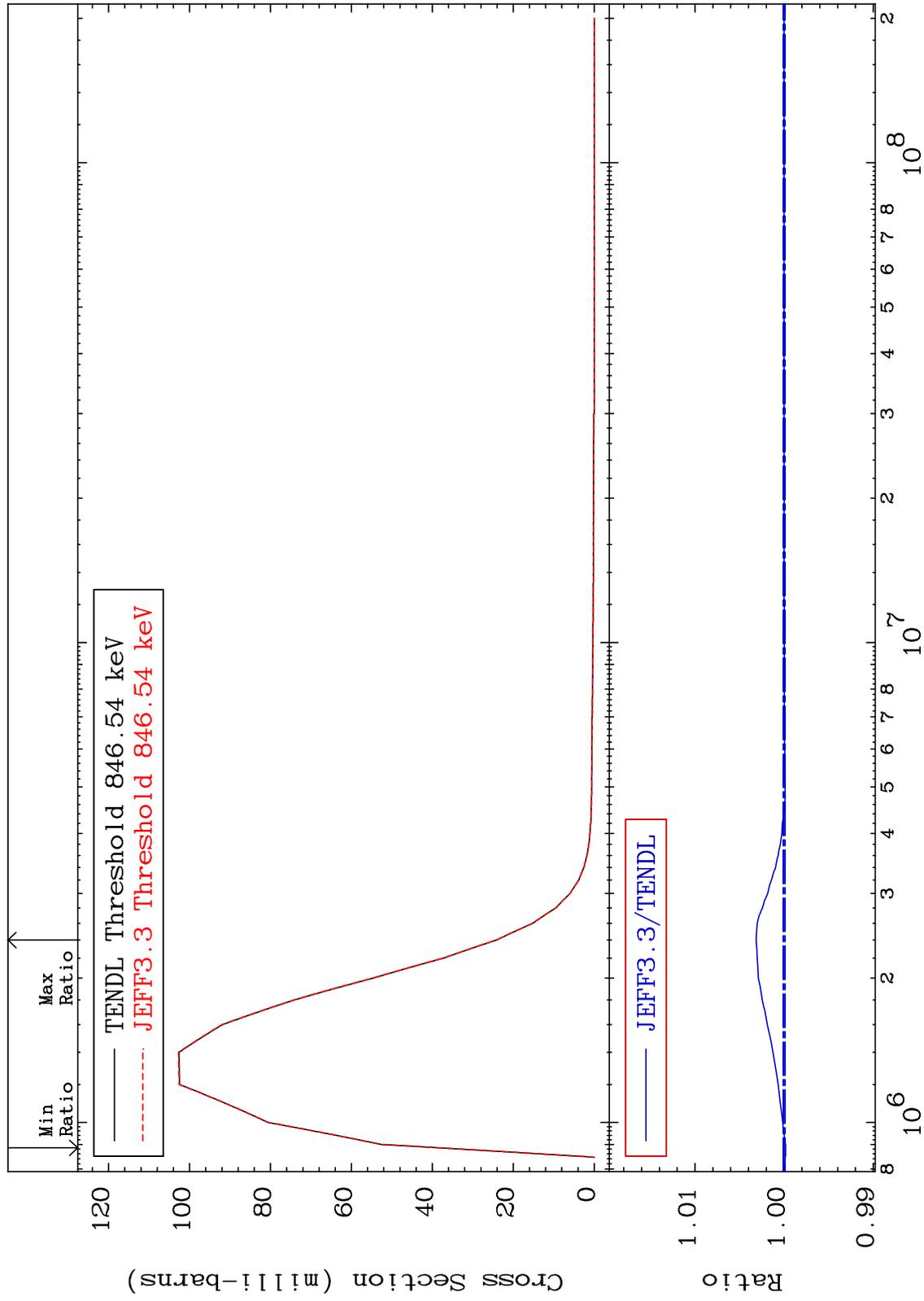
41

75-Re-187

MAT 7531

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

75-Re-187
-0.015 To 0.315 %



42

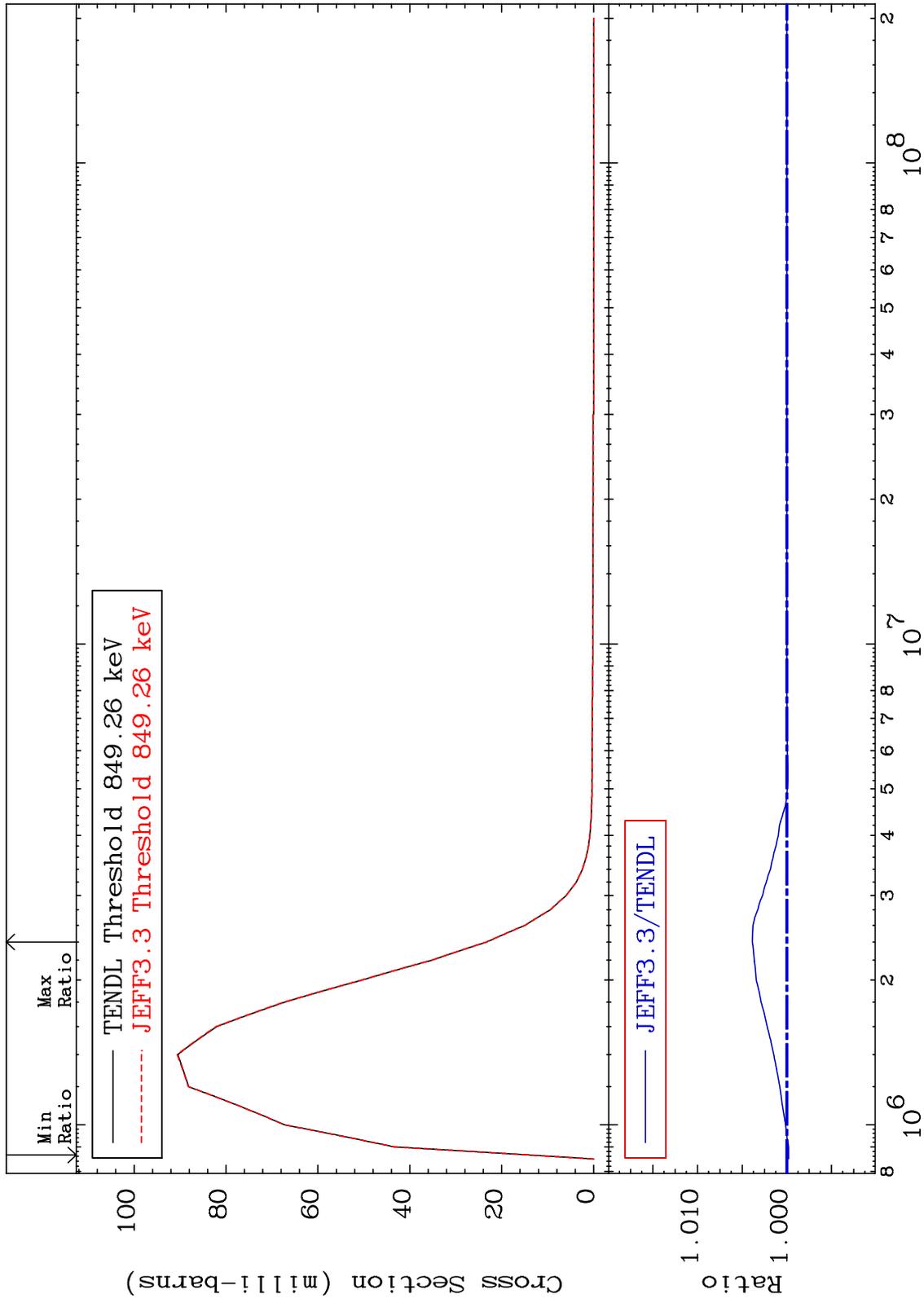
Incident Energy (eV)

75-Re-187

MAT 7531

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

75-Re-187
-0.021 To 0.386 %



43

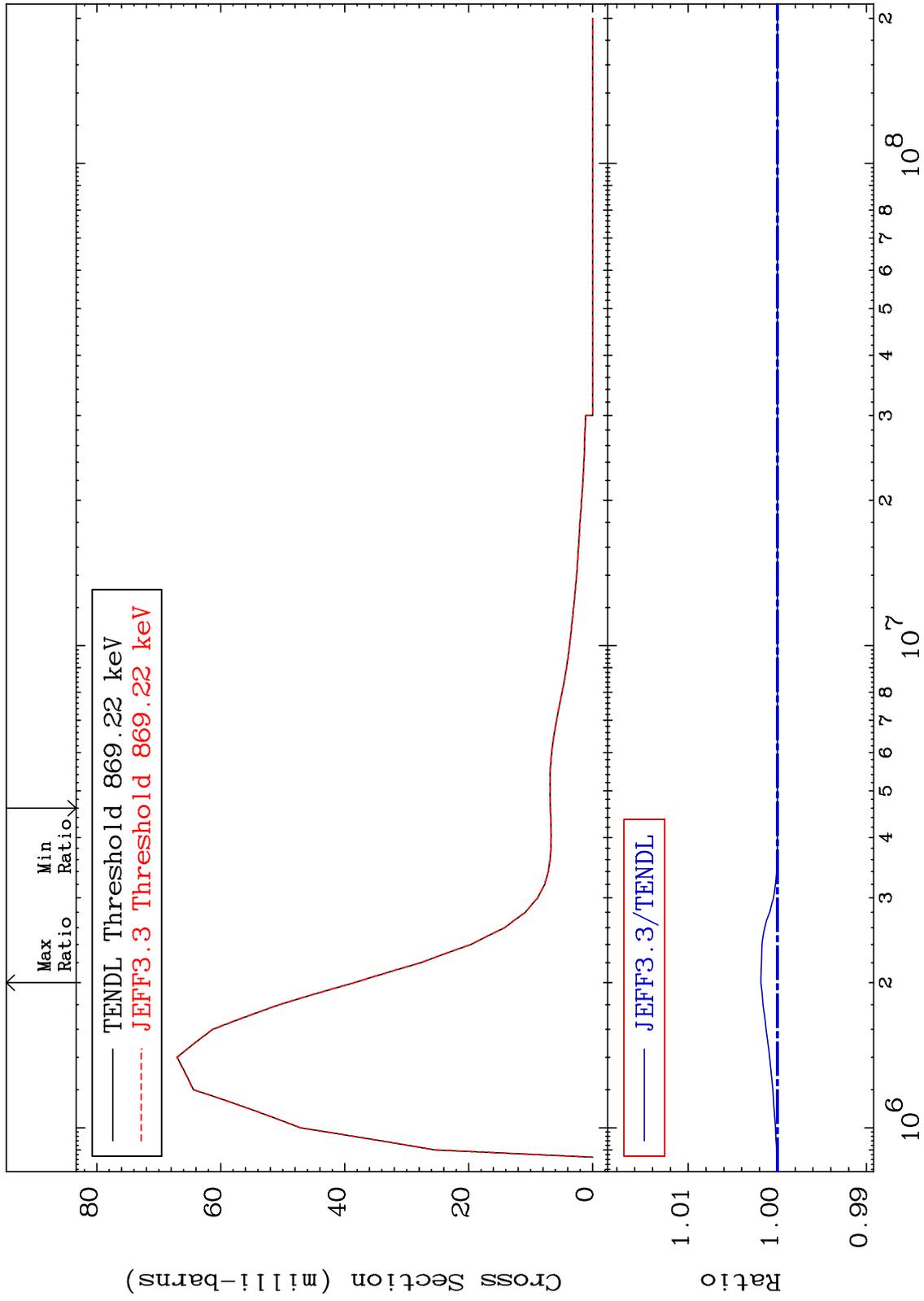
Incident Energy (eV)

75-Re-187

MAT 7531

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

75-Re-187
-0.001 To 0.185 %



44

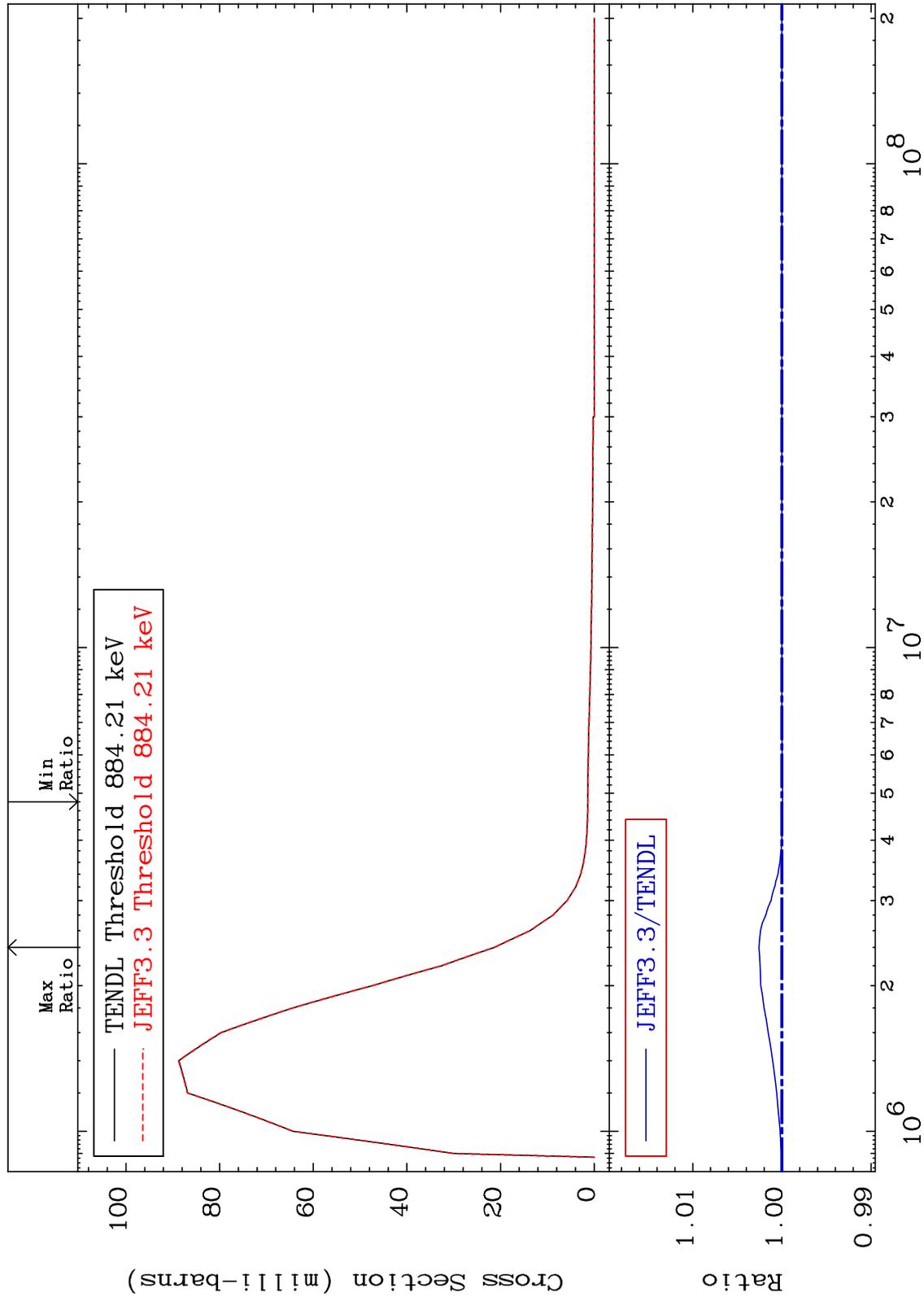
Incident Energy (eV)

75-Re-187

MAT 7531

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

75-Re-187
-0.007 To 0.257 %



45

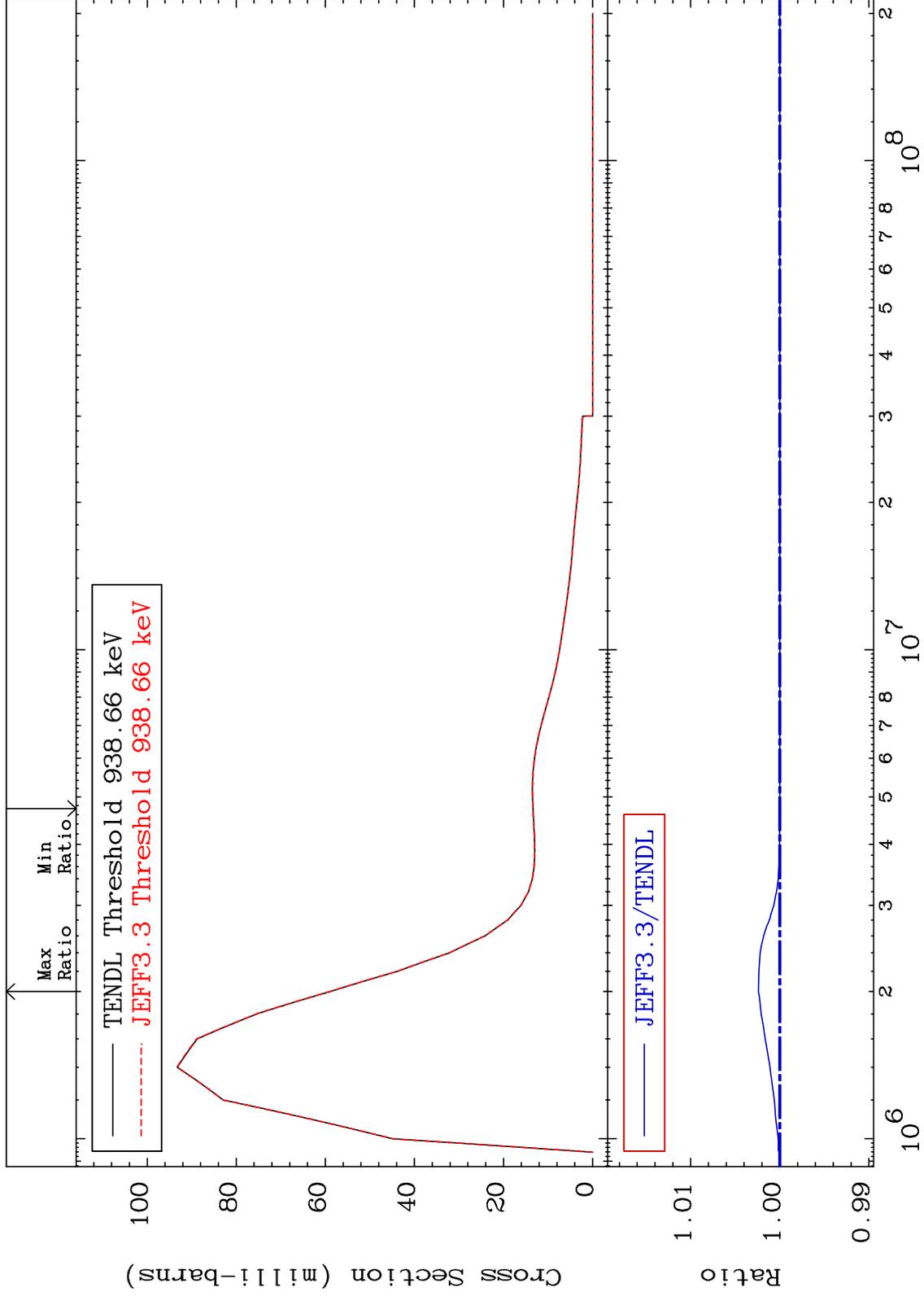
Incident Energy (eV)

75-Re-187

MAT 7531

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

75-Re-187
0.000 To 0.239 %



Incident Energy (eV)

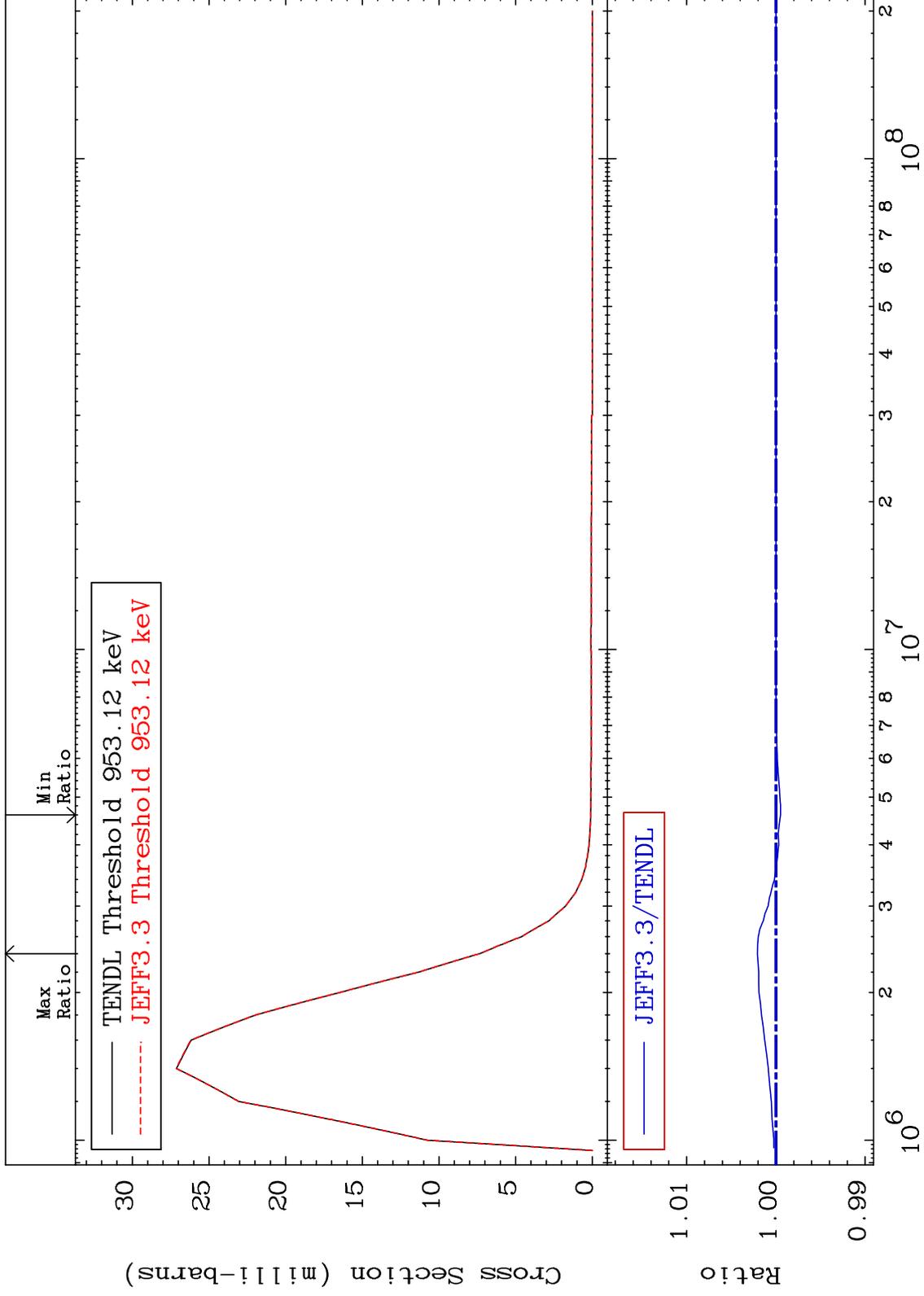
75-Re-187

46

MAT 7531

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

75-Re-187
-0.053 To 0.207 %



47

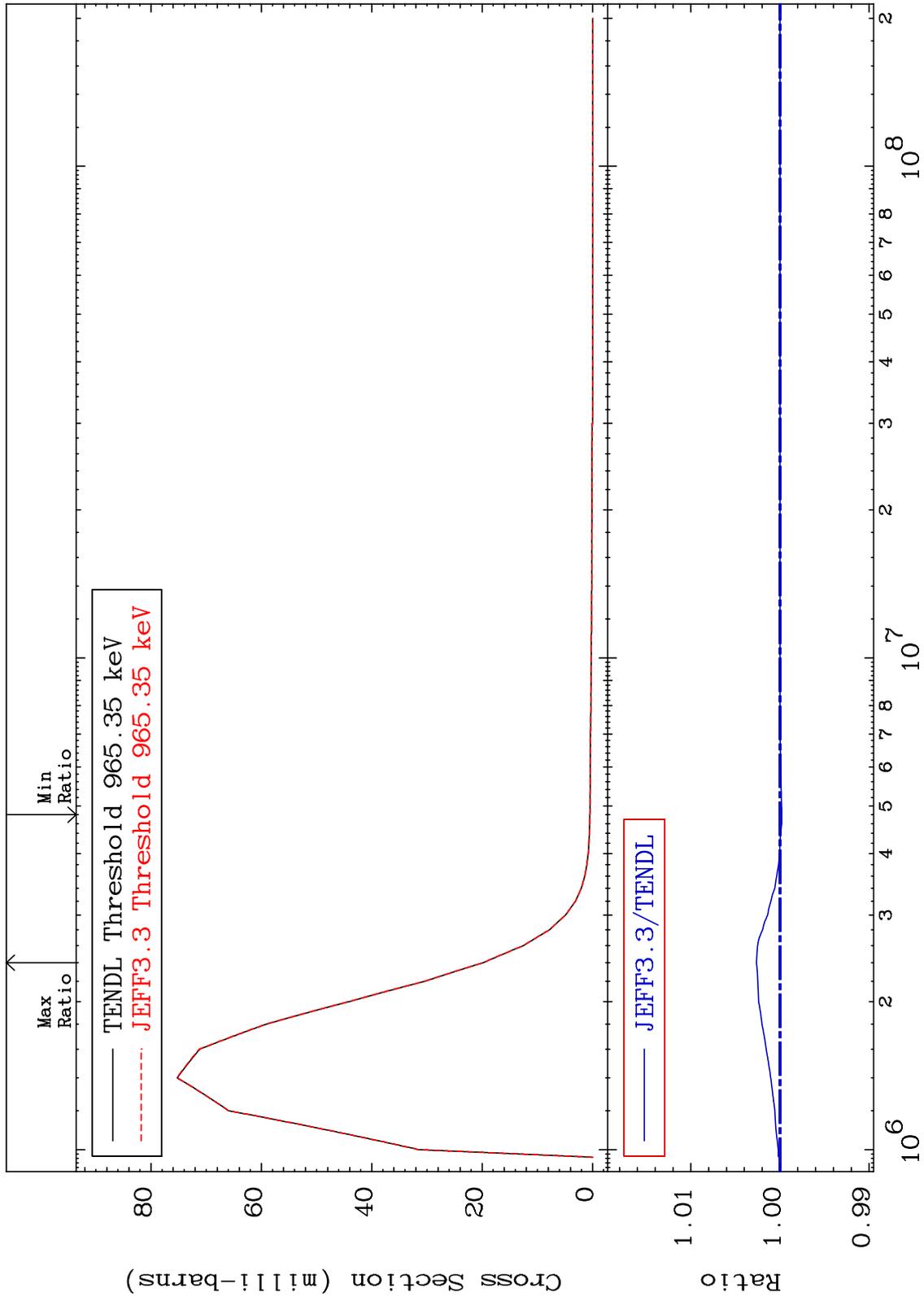
Incident Energy (eV)

75-Re-187

MAT 7531

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

75-Re-187
-0.021 To 0.263 %



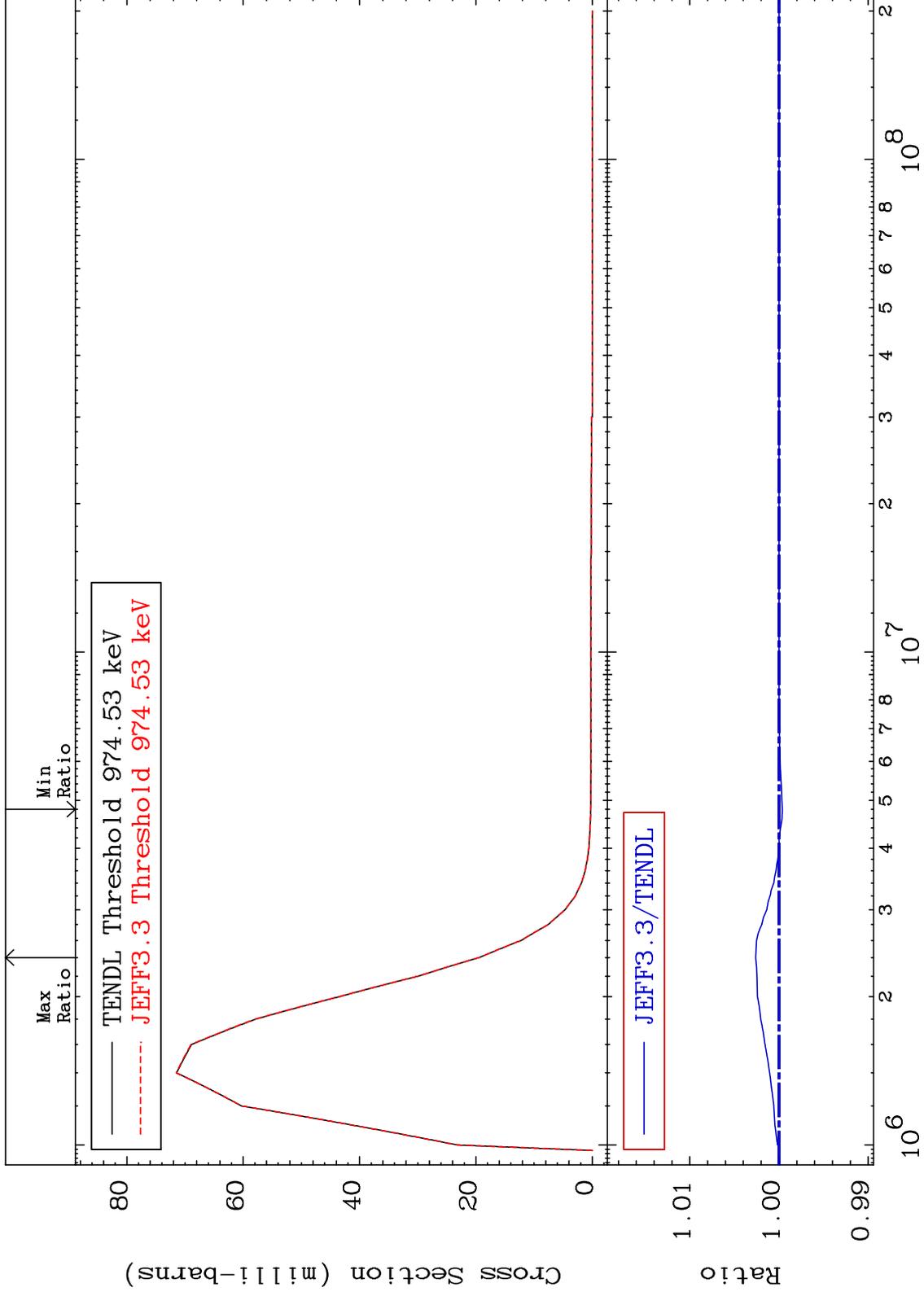
48

75-Re-187

MAT 7531

MT= 80 (n,n') Level
Cross Section

75-Re-187
-0.038 To 0.261 %



49

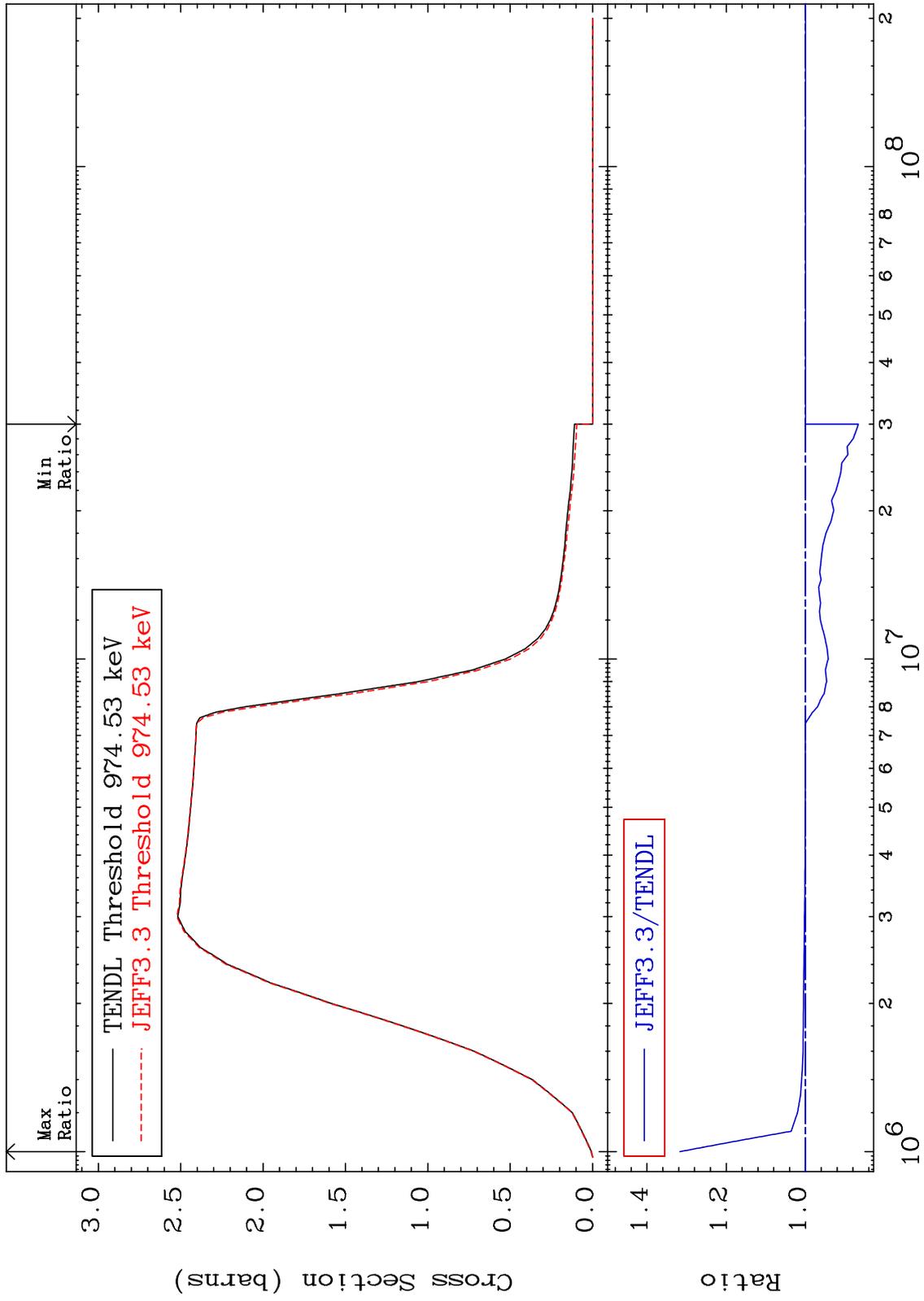
Incident Energy (eV)

75-Re-187

MAT 7531

(n, n') Continuum
Cross Section

⁷⁵Re-187
-13.37 To 31.69 %



Incident Energy (eV)

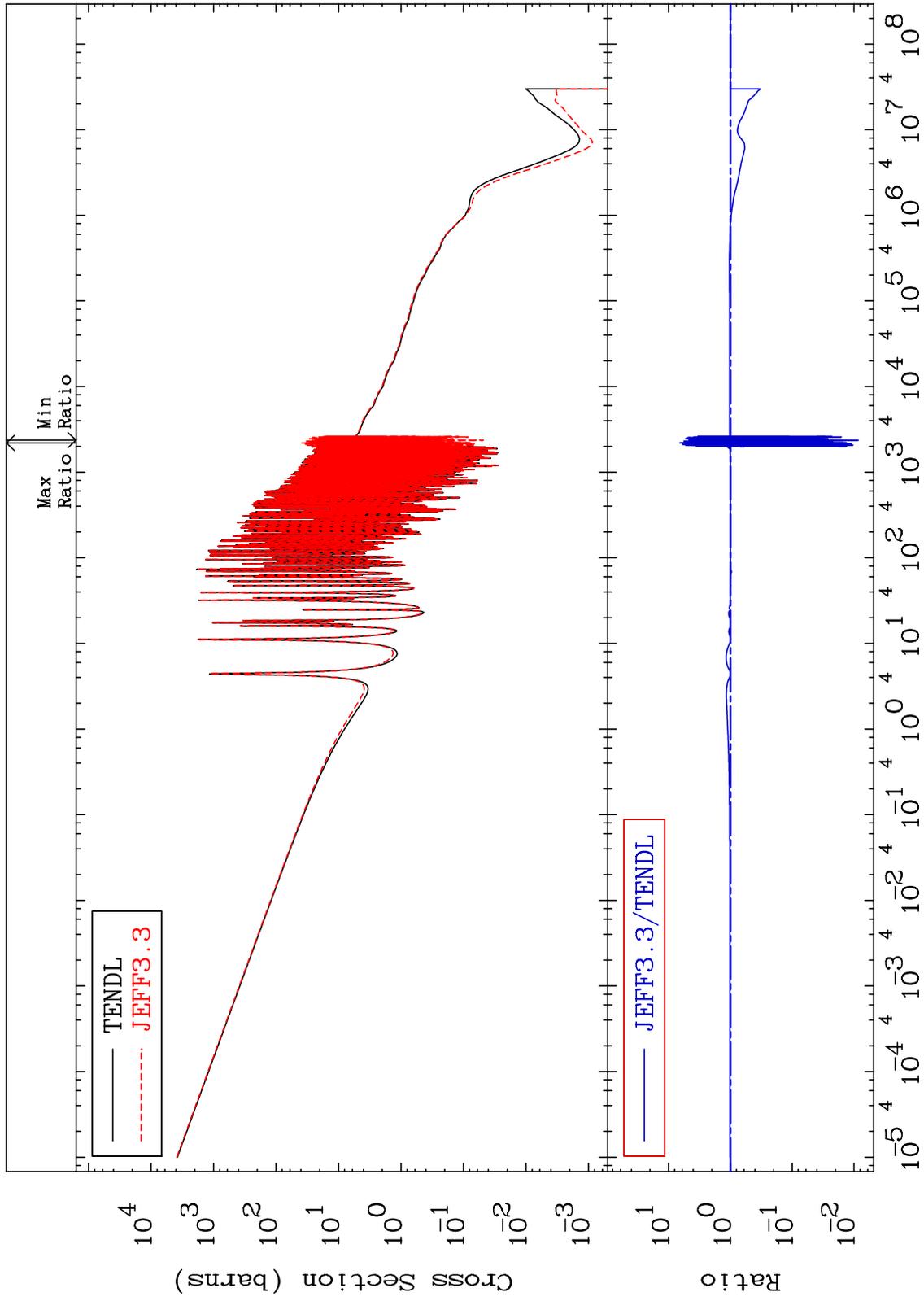
⁷⁵Re-187

50

MAT 7531

(n, γ)
Cross Section

75-Re-187
-99.15 To 555.0 %



51

Incident Energy (eV)

75-Re-187

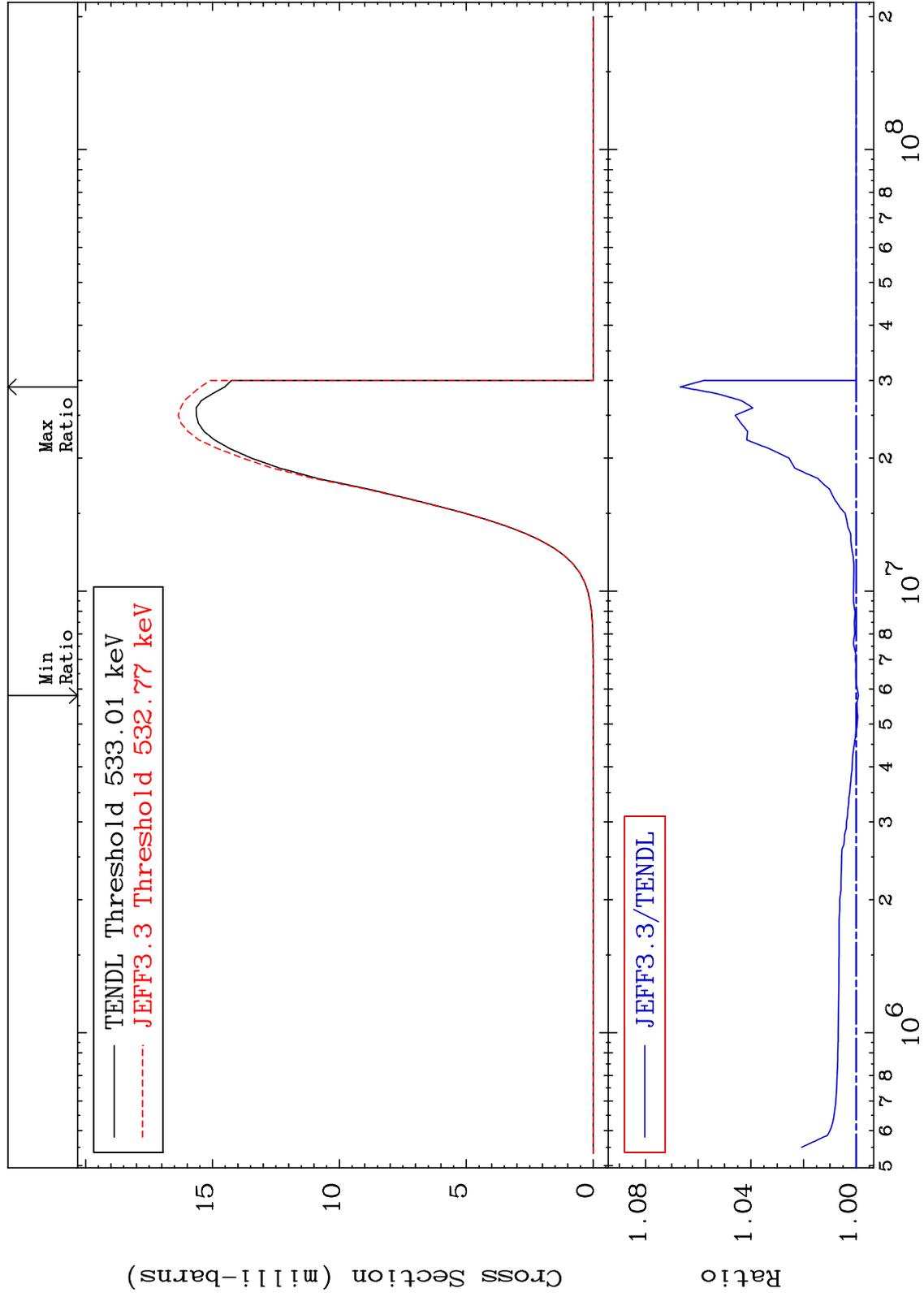
MAT 7531

(n, p)

⁷⁵Re-187

Cross Section

-0.089 To 6.678 %



52

Incident Energy (eV)

⁷⁵Re-187

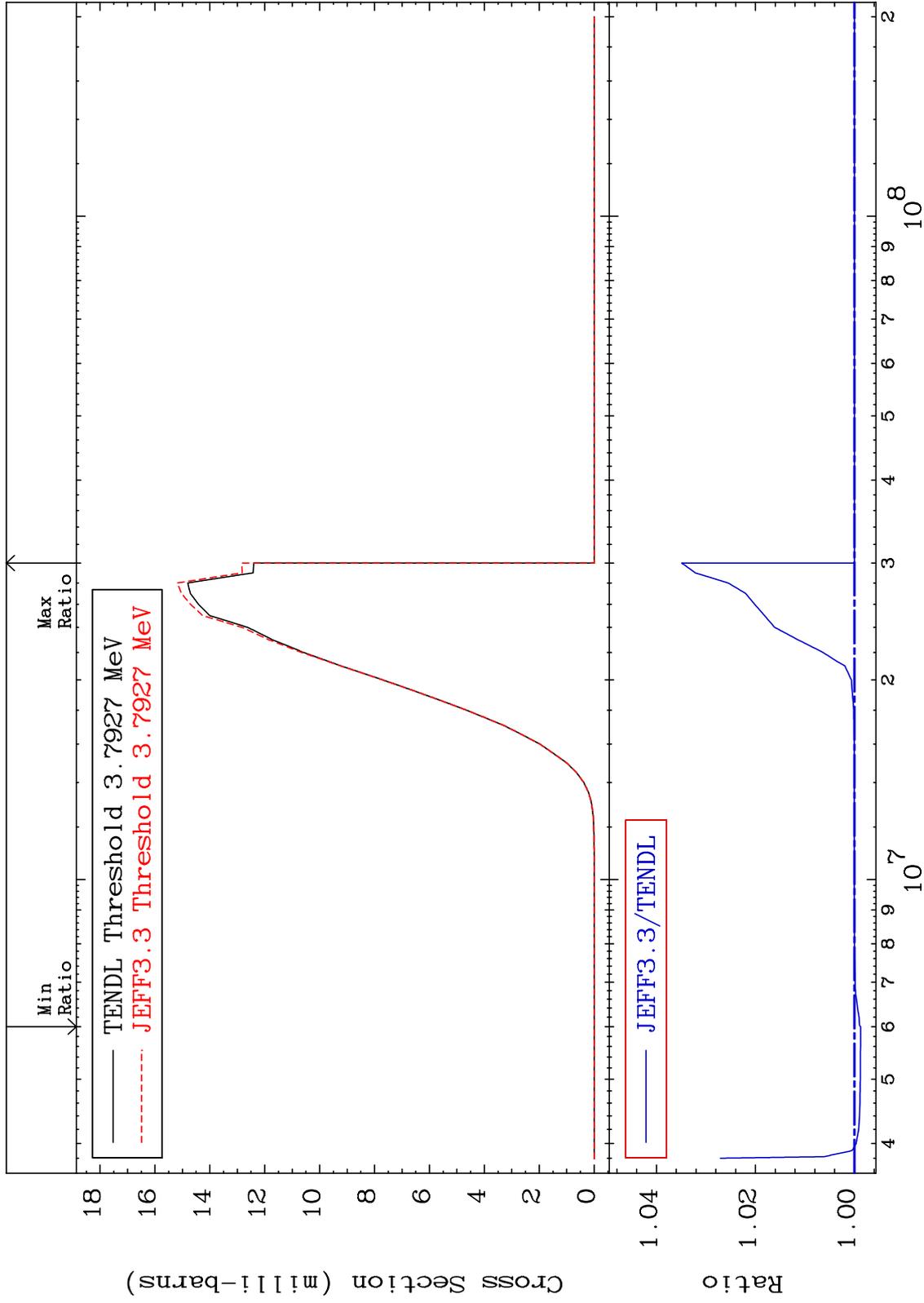
MAT 7531

(n, d)

75-Re-187

Cross Section

-0.127 To 3.490 %



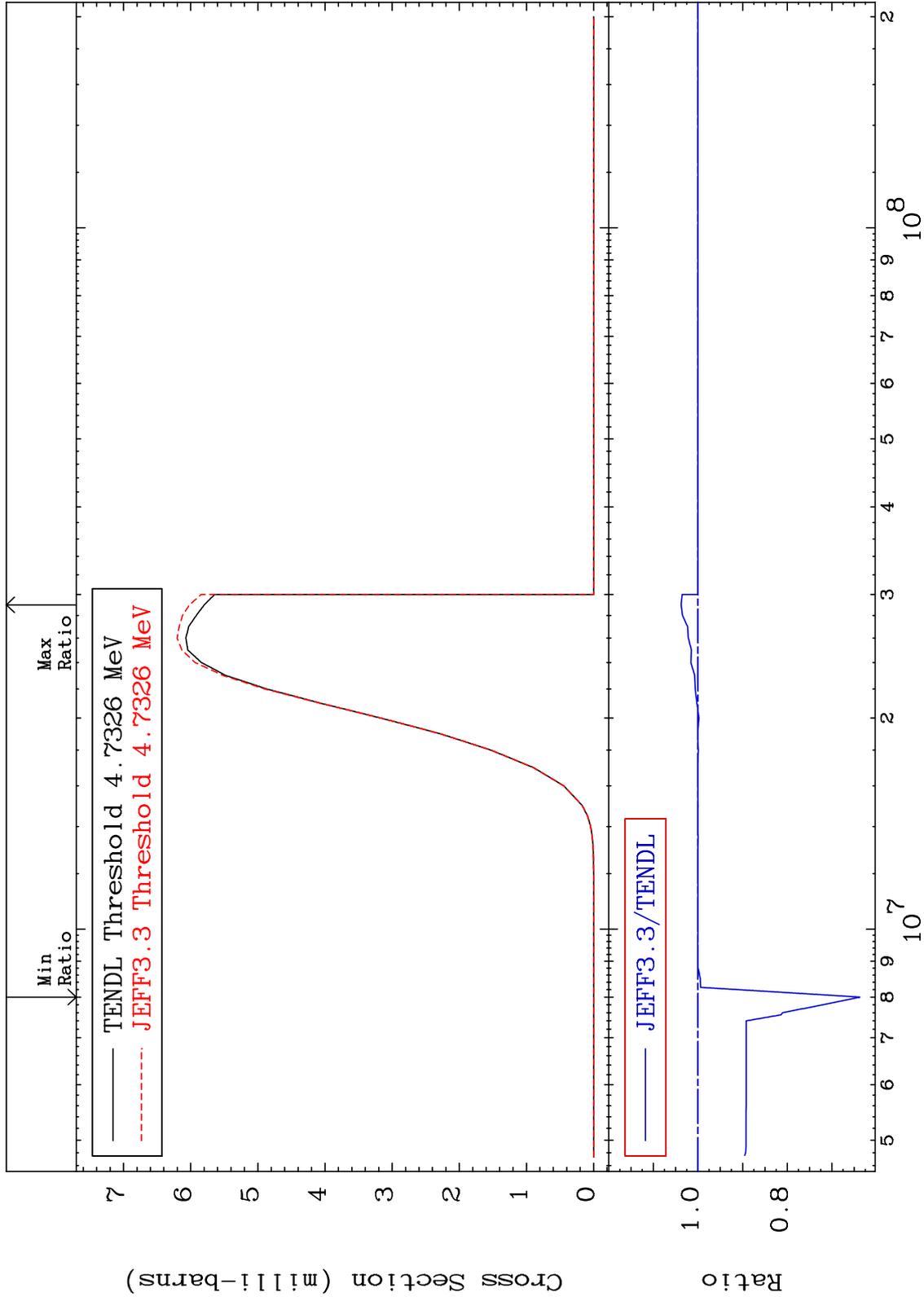
MAT 7531

(n, t)

75-Re-187

Cross Section

-36.28 To 3.769 %



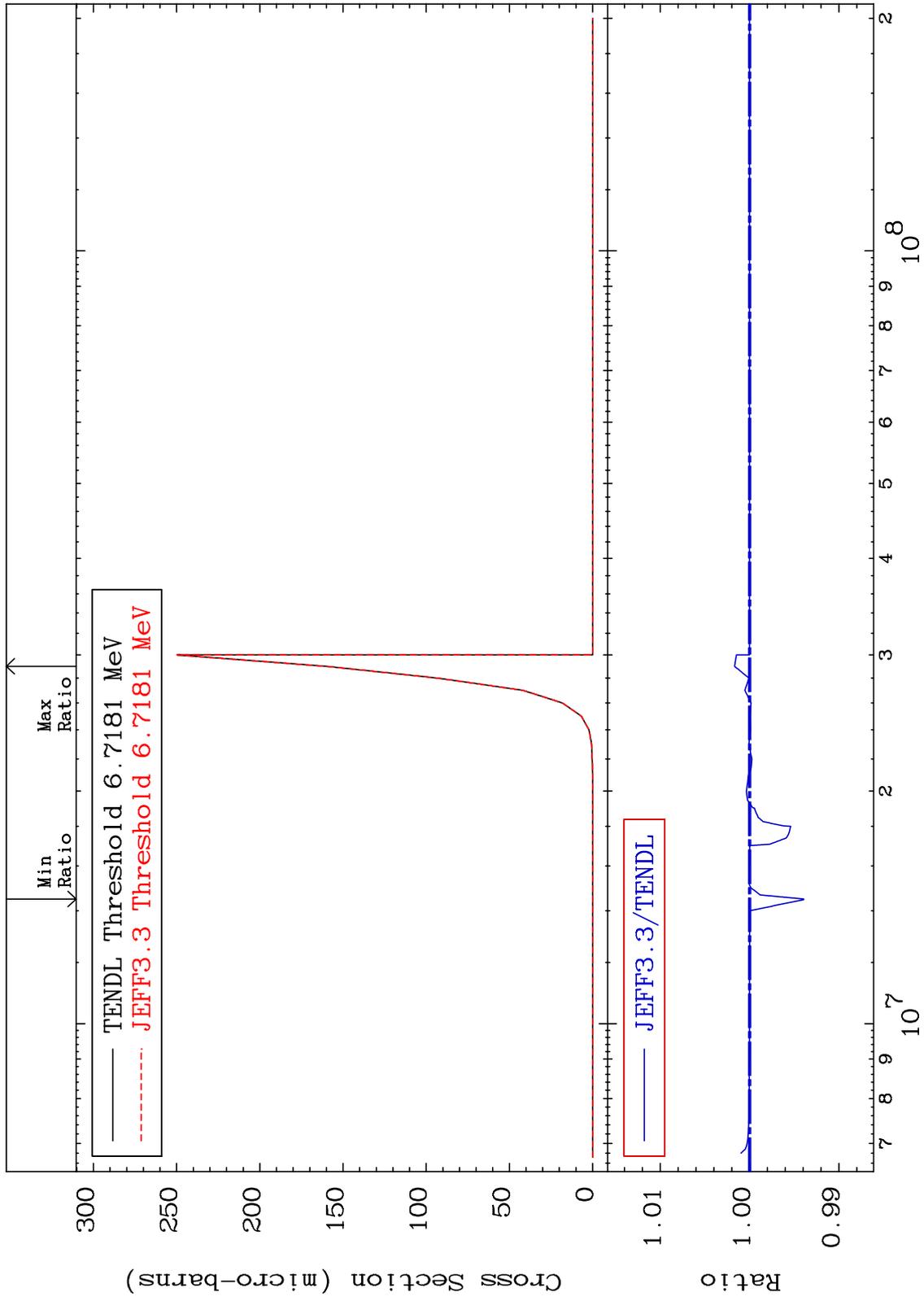
MAT 7531

(n, He-3)

75-Re-187

Cross Section

-0.606 To 0.168 %



55

Incident Energy (eV)

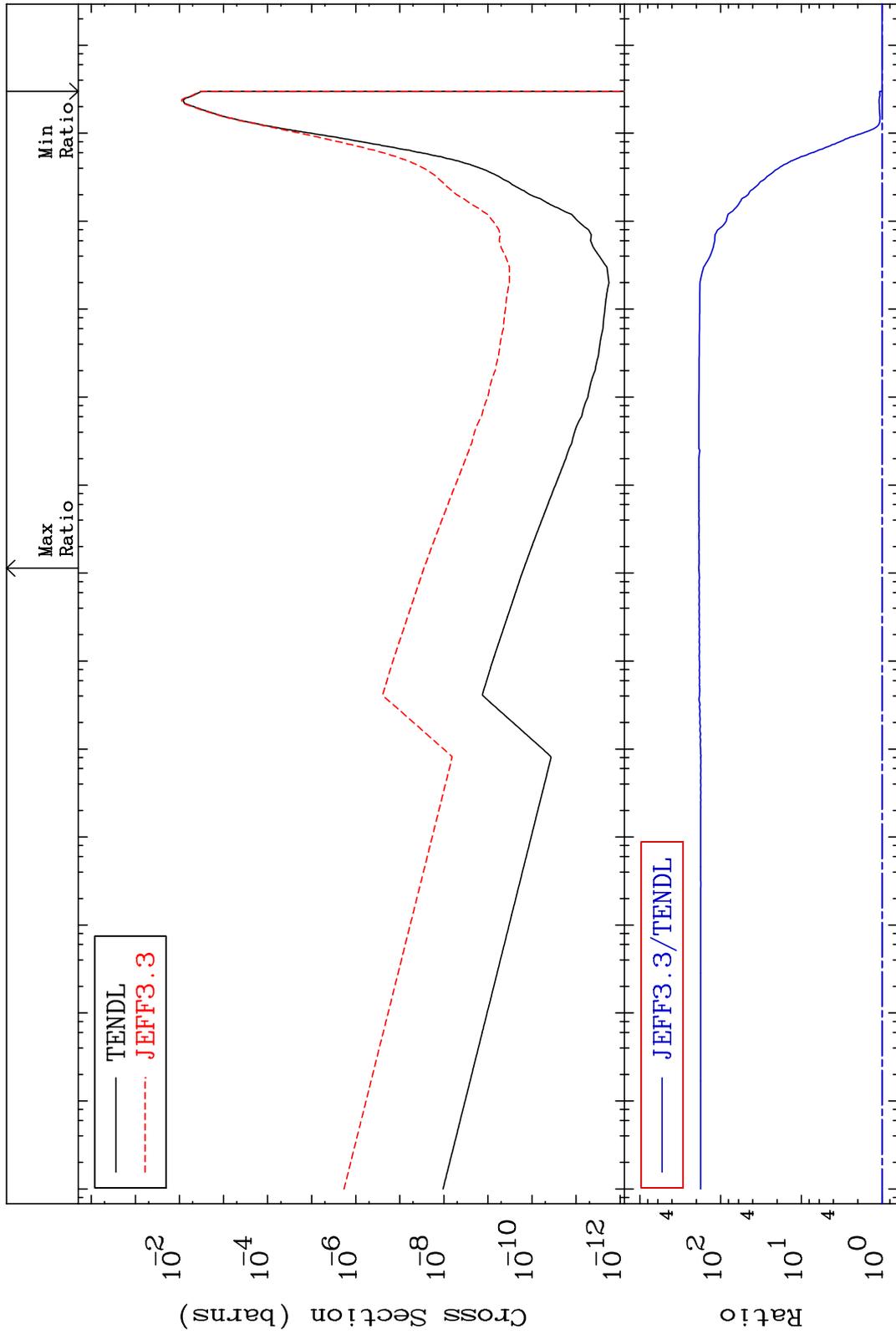
75-Re-187

MAT 7531

(n, α)
Cross Section

0.000 To 9999. %

75-Re-187



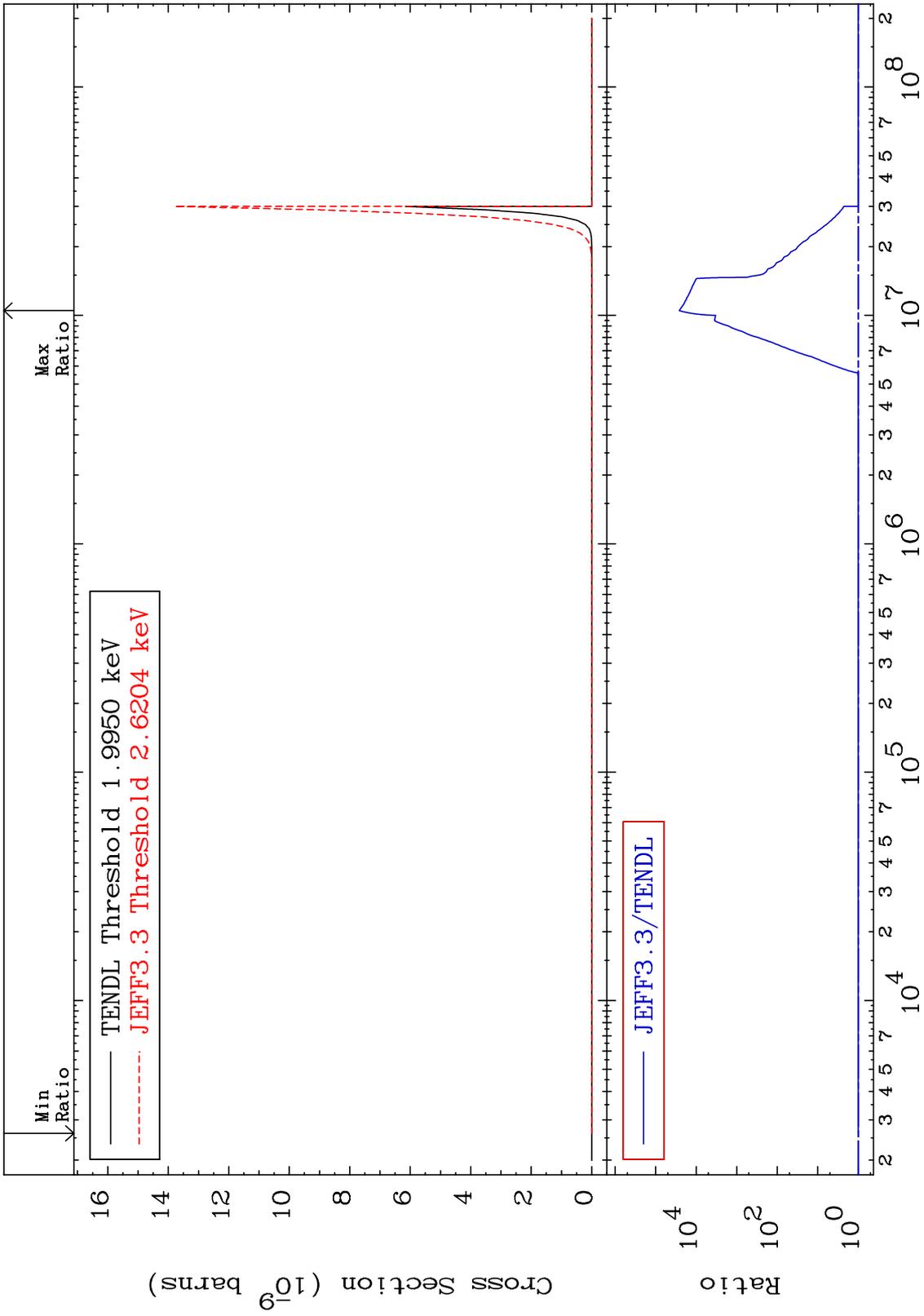
MAT 7531

(n, 2α)

75-Re-187

Cross Section

0.000 To 9999. %



57

75-Re-187

75-Re-187

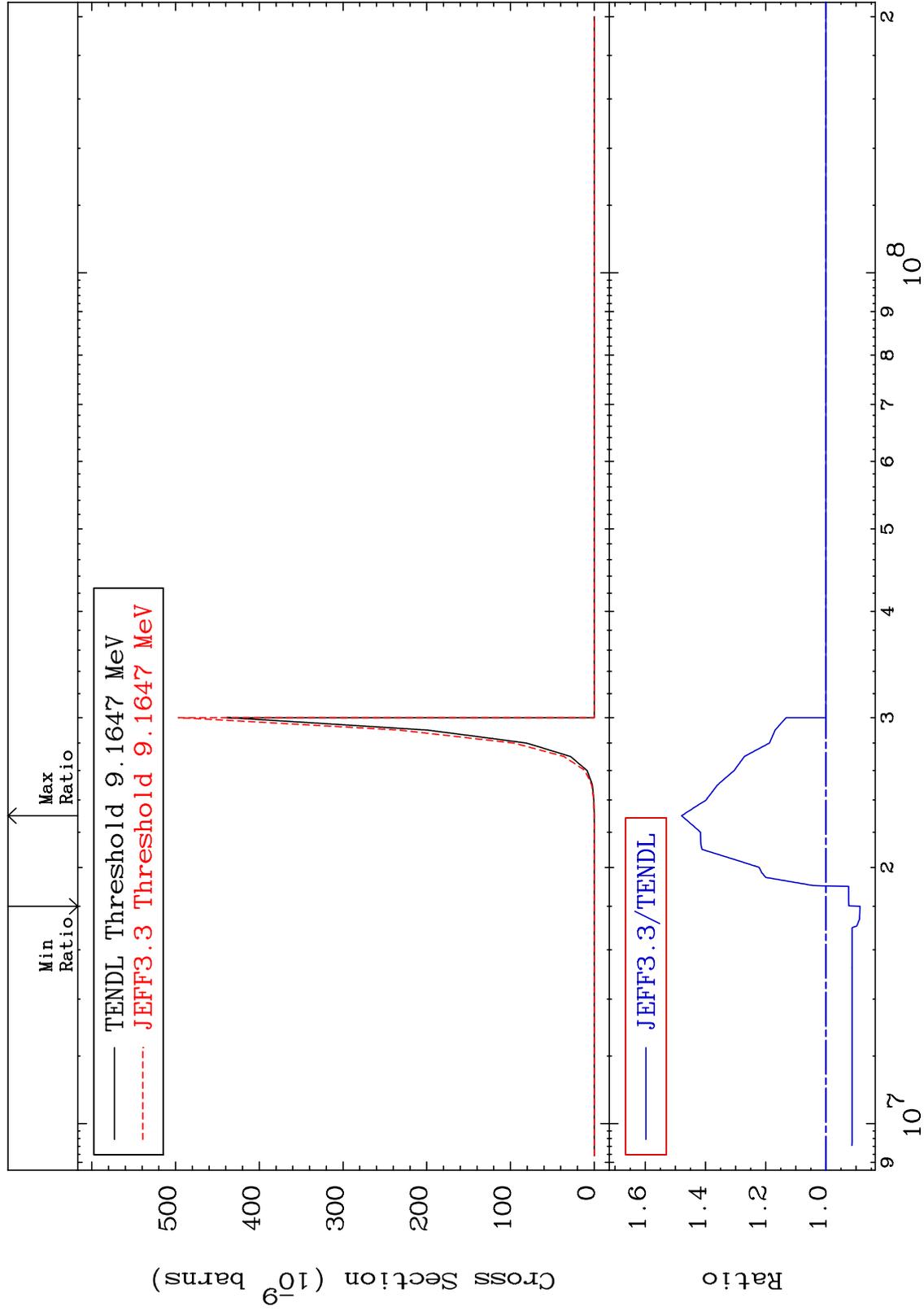
MAT 7531

(n,2p)

75-Re-187

Cross Section

-11.28 To 47.93 %



58

Incident Energy (eV)

75-Re-187

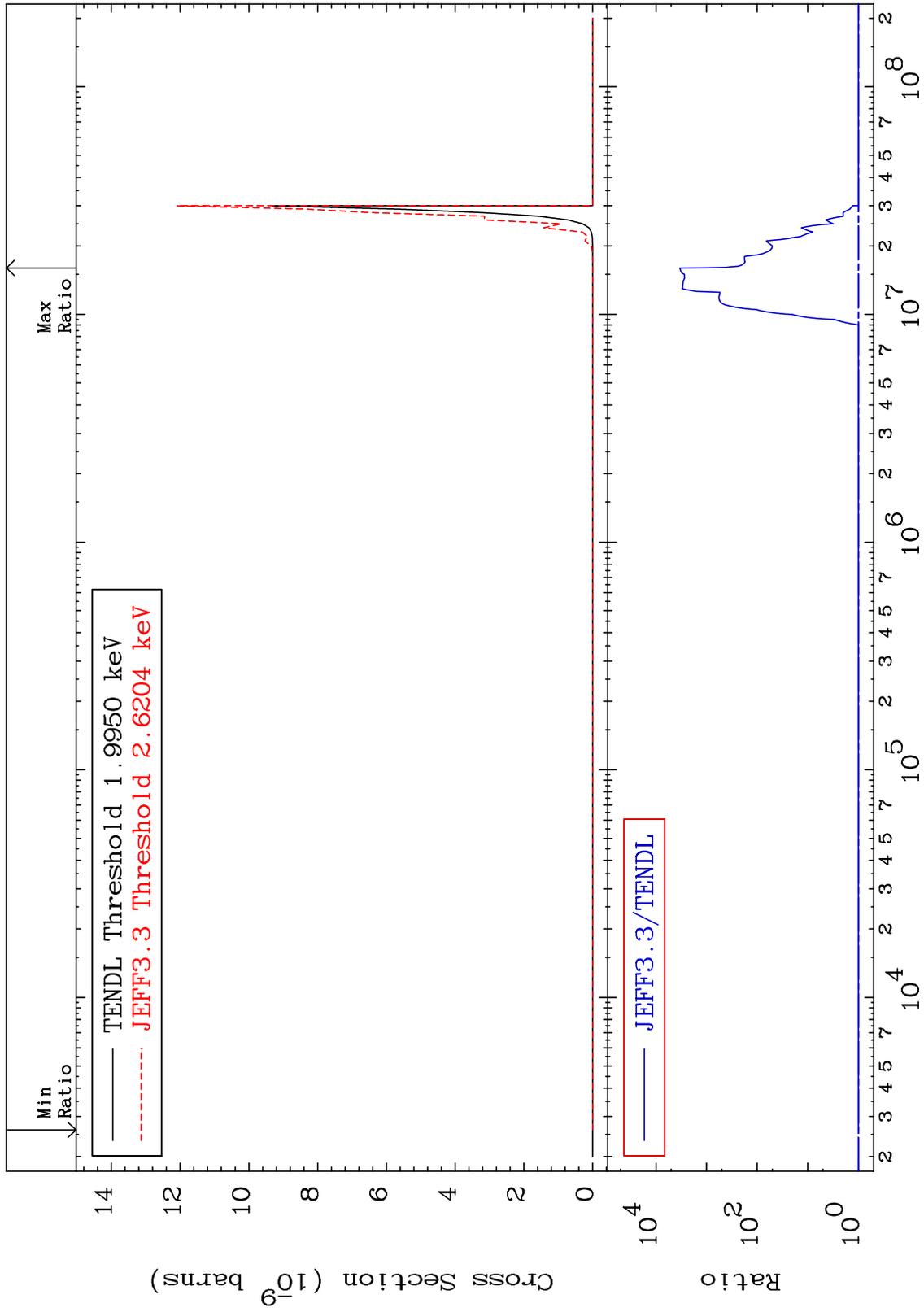
MAT 7531

(n,p) α

75-Re-187

Cross Section

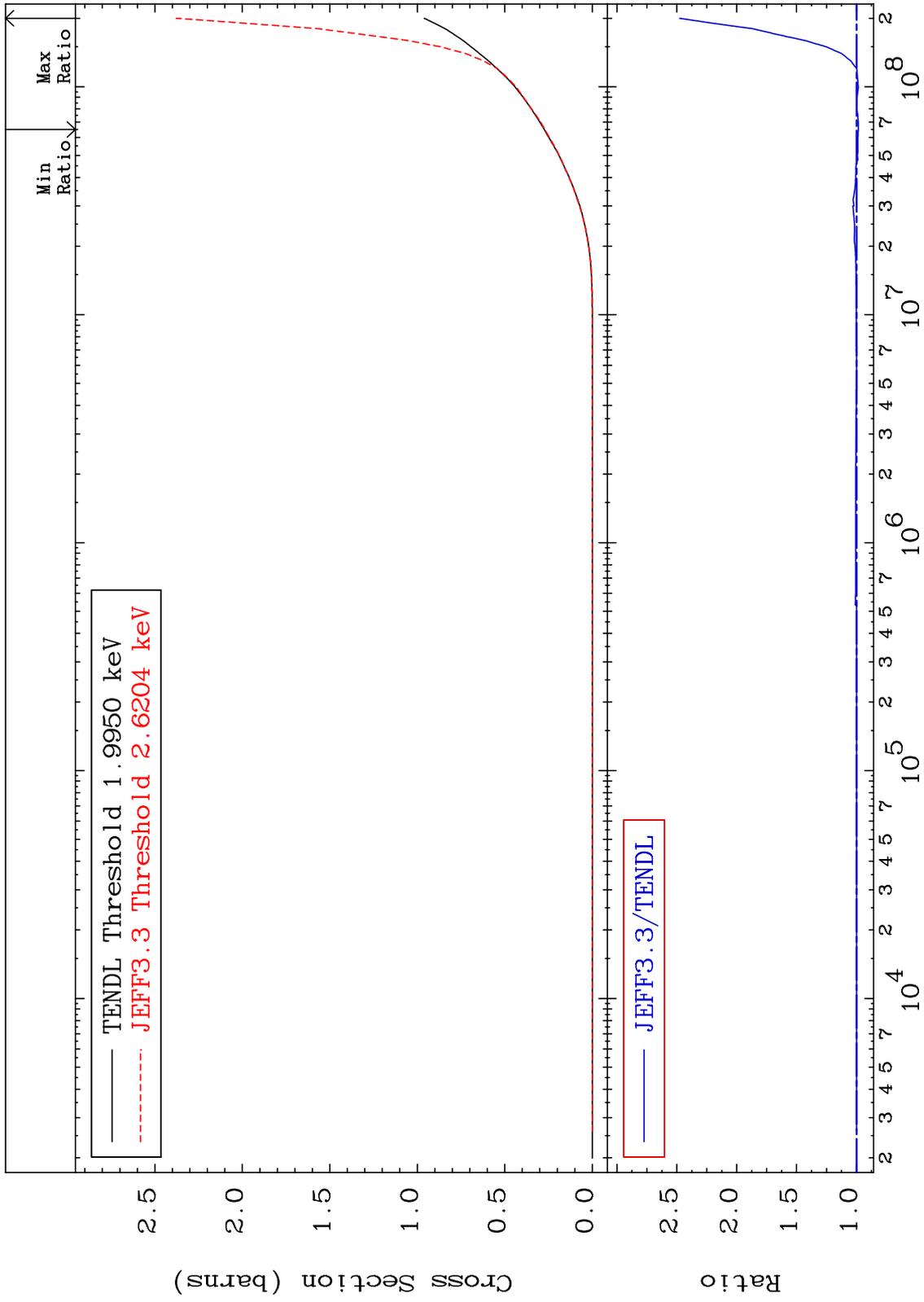
0.000 To 9999. %



MAT 7531

Hydrogen Production
Cross Section

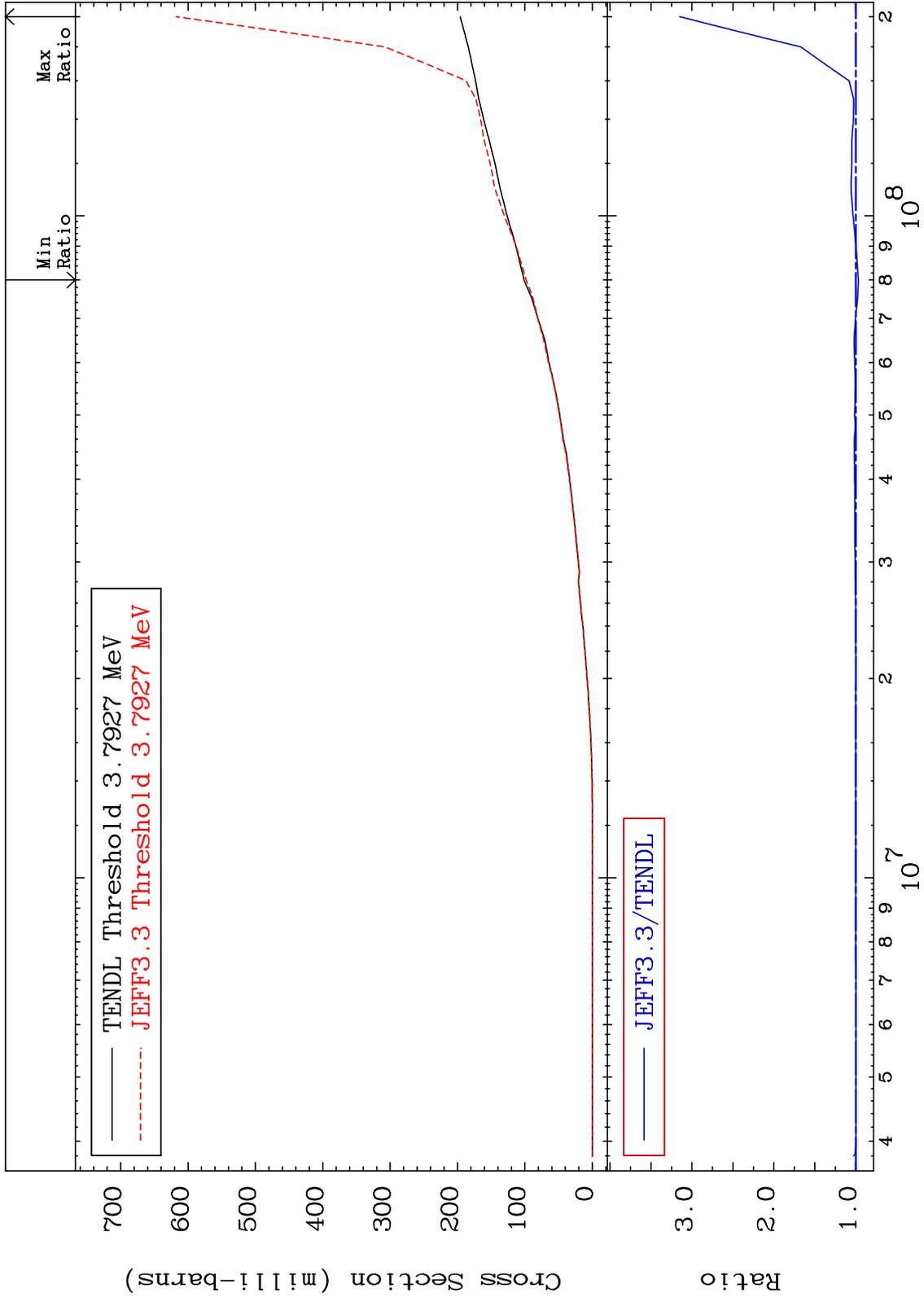
75-Re-187
-1.569 To 147.6 %



MAT 7531

Deuterium Production
Cross Section

75-Re-187
-3.130 To 214.9 %



61

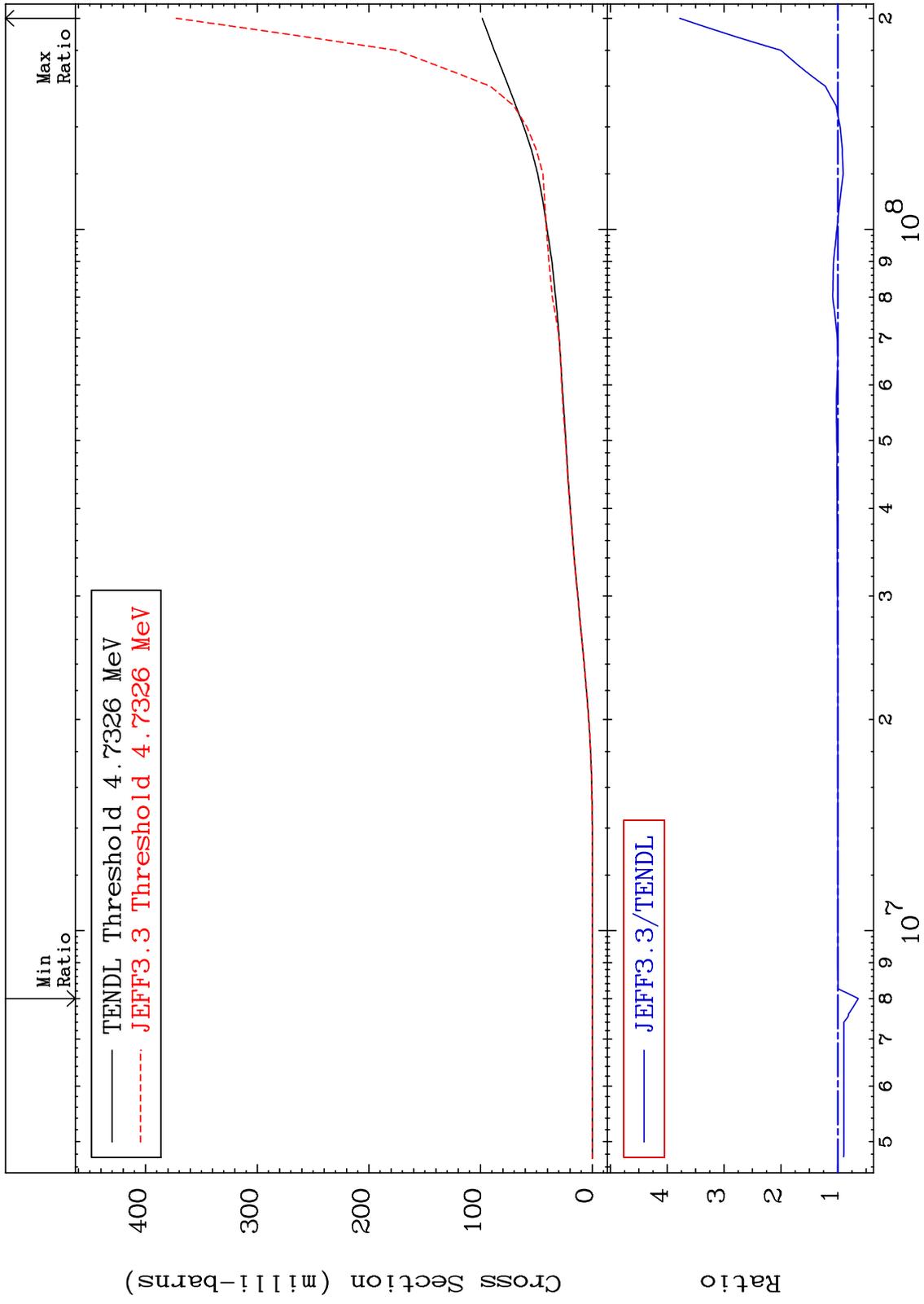
Incident Energy (eV)

75-Re-187

MAT 7531

Tritium Production
Cross Section

⁷⁵Re-187
-36.28 To 278.0 %



62

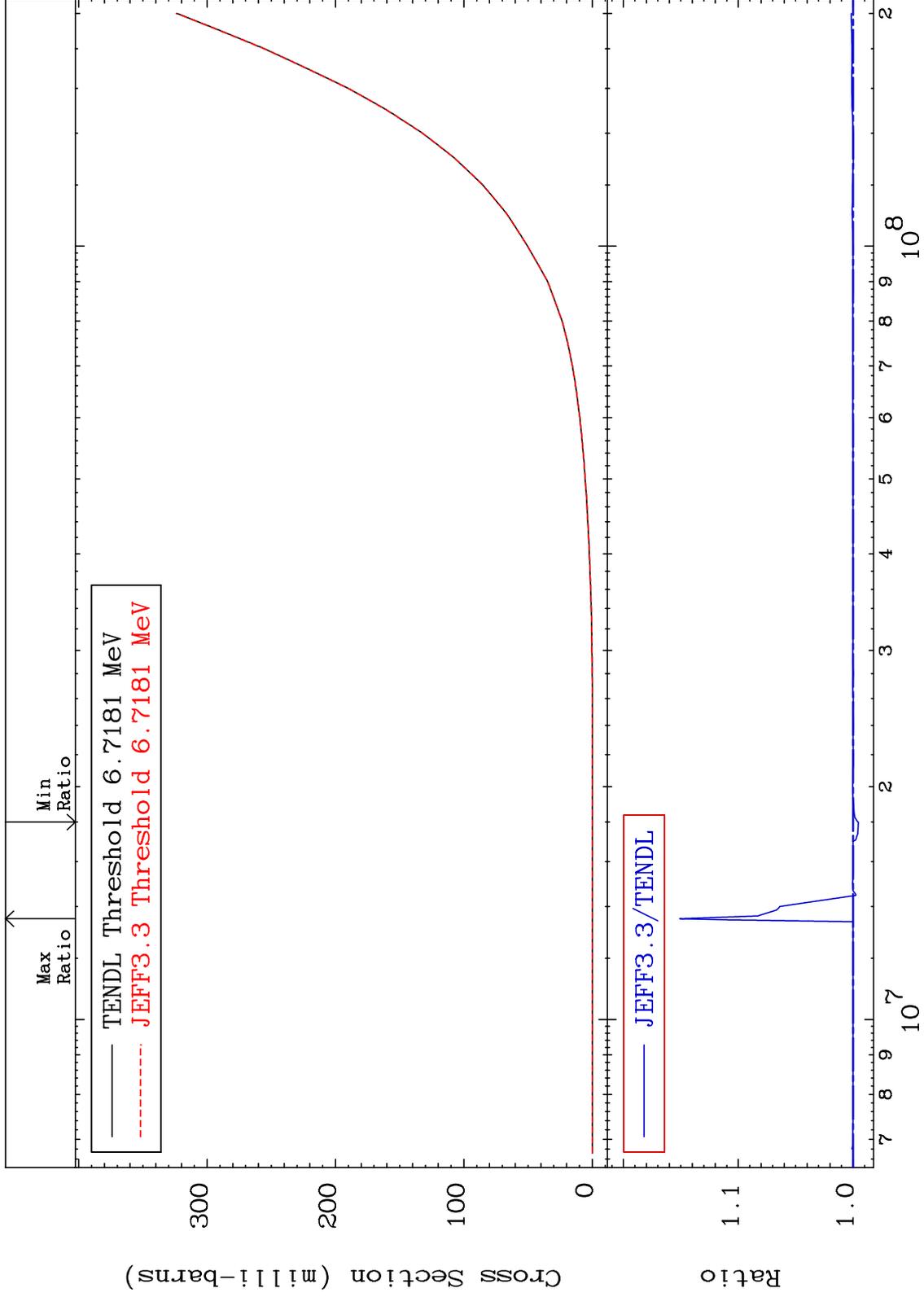
Incident Energy (eV)

⁷⁵Re-187

MAT 7531

He-3 Production
Cross Section

75-Re-187
-0.459 To 15.10 %



63

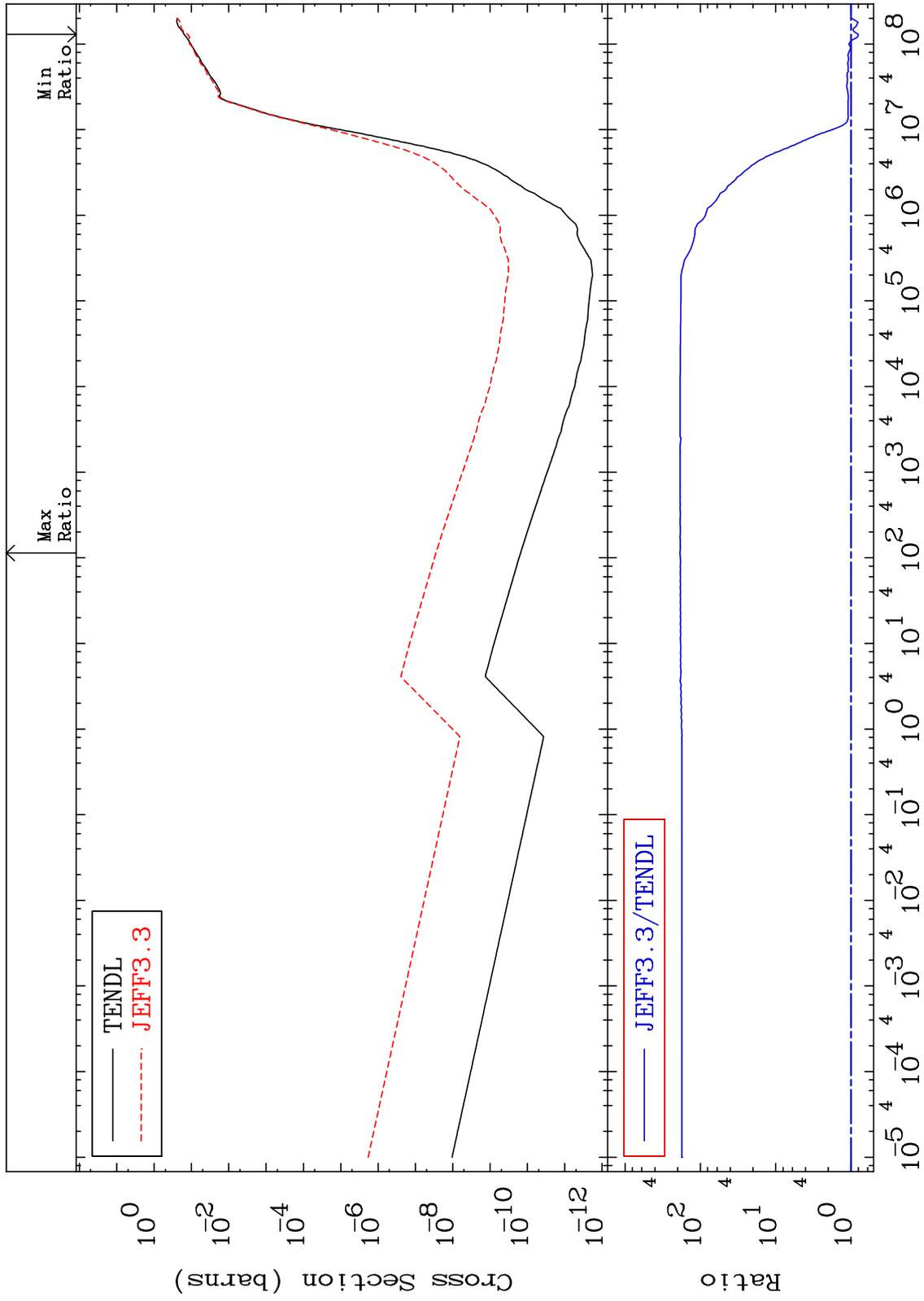
Incident Energy (eV)

75-Re-187

MAT 7531

He-4 Production
Cross Section

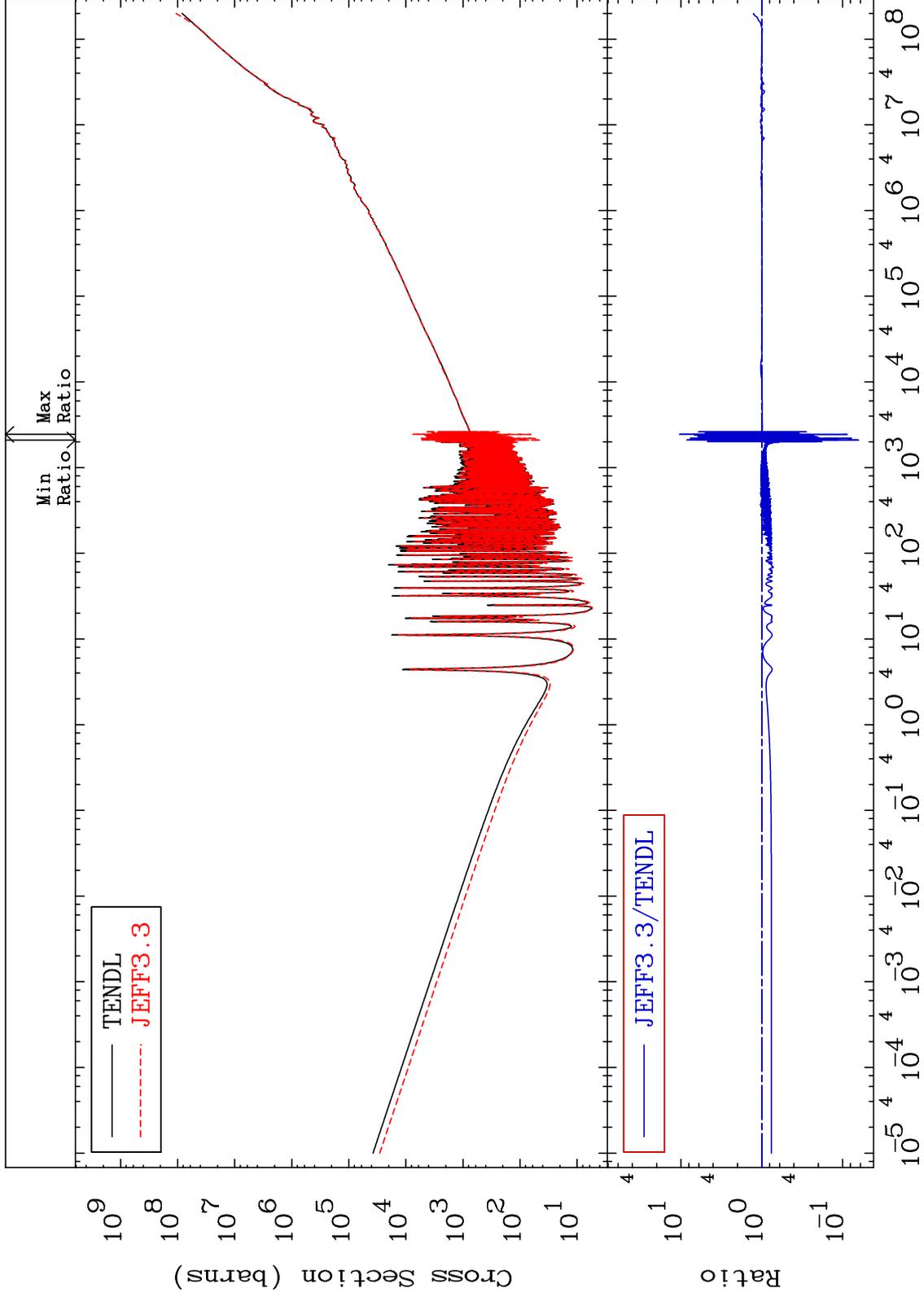
75-Re-187
-20.26 To 9999. %



MAT 7531

Kerma total (eV-barns)
Cross Section

75-Re-187
-93.61 To 937.4 %



65

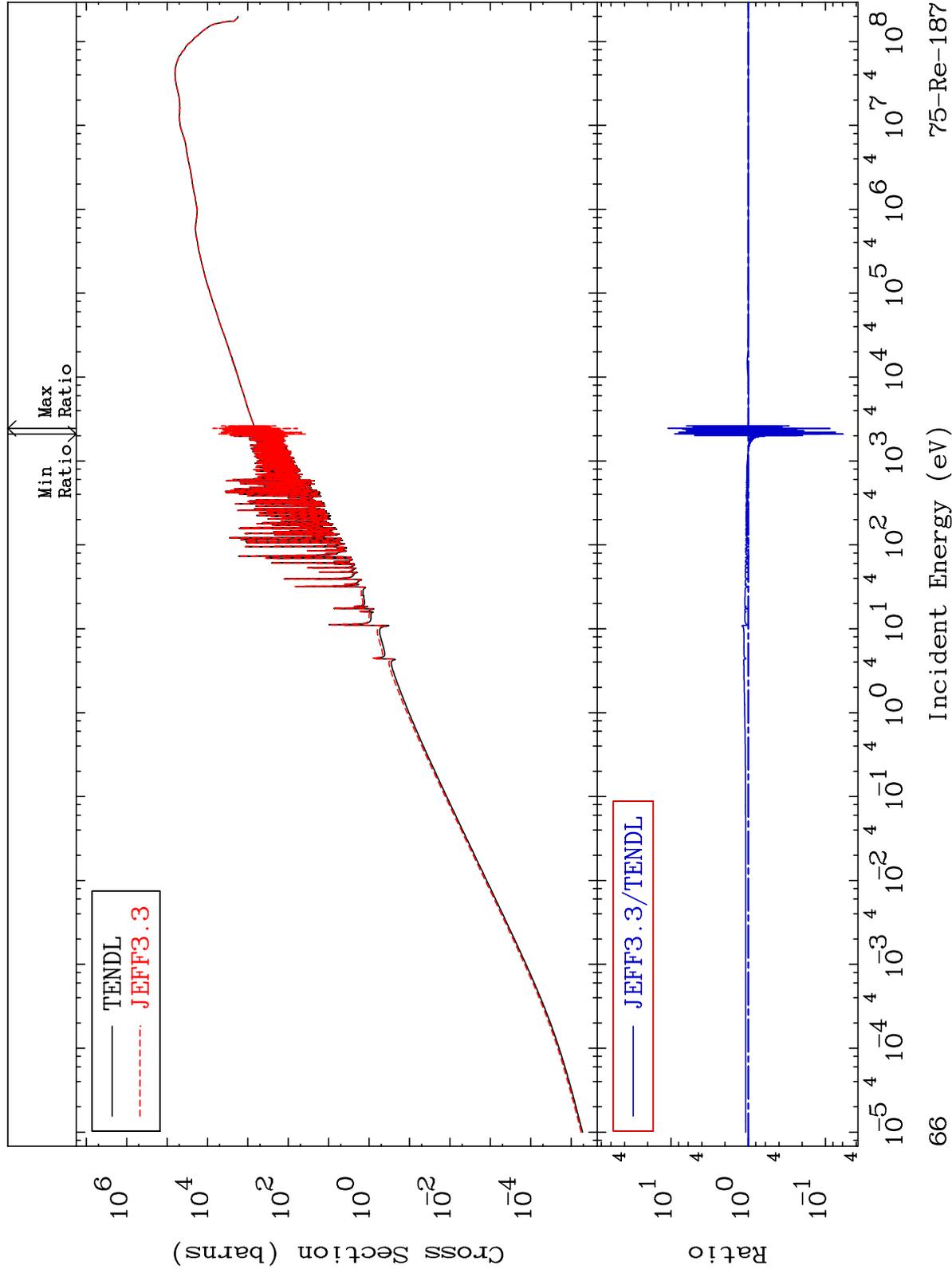
Incident Energy (eV)

75-Re-187

MAT 7531

Kerma elastic
Cross Section

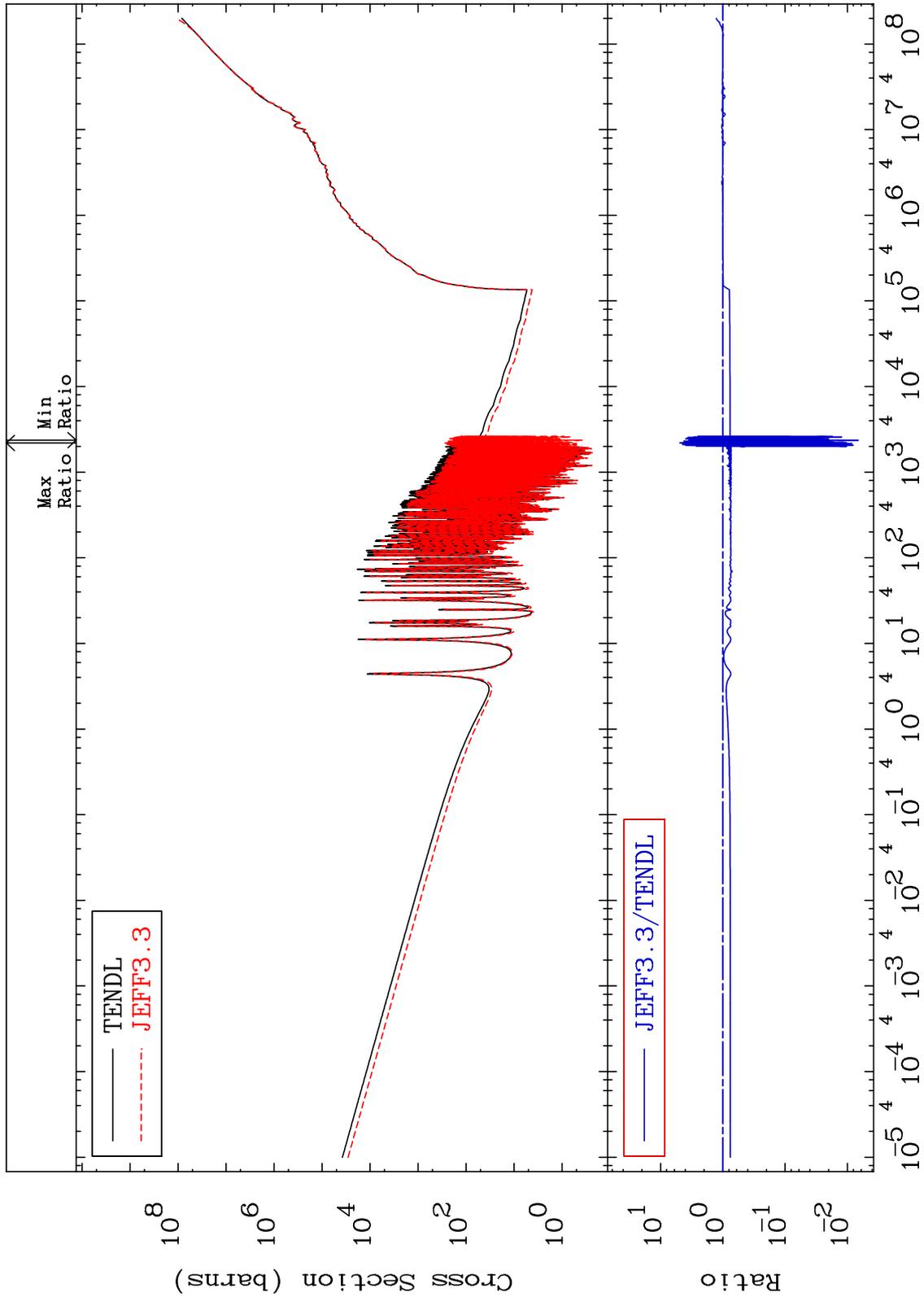
⁷⁵Re-187
-94.08 To 991.5 %



MAT 7531

Kerma non-elastic (all but mt2)
Cross Section

75-Re-187
-99.33 To 389.0 %



67

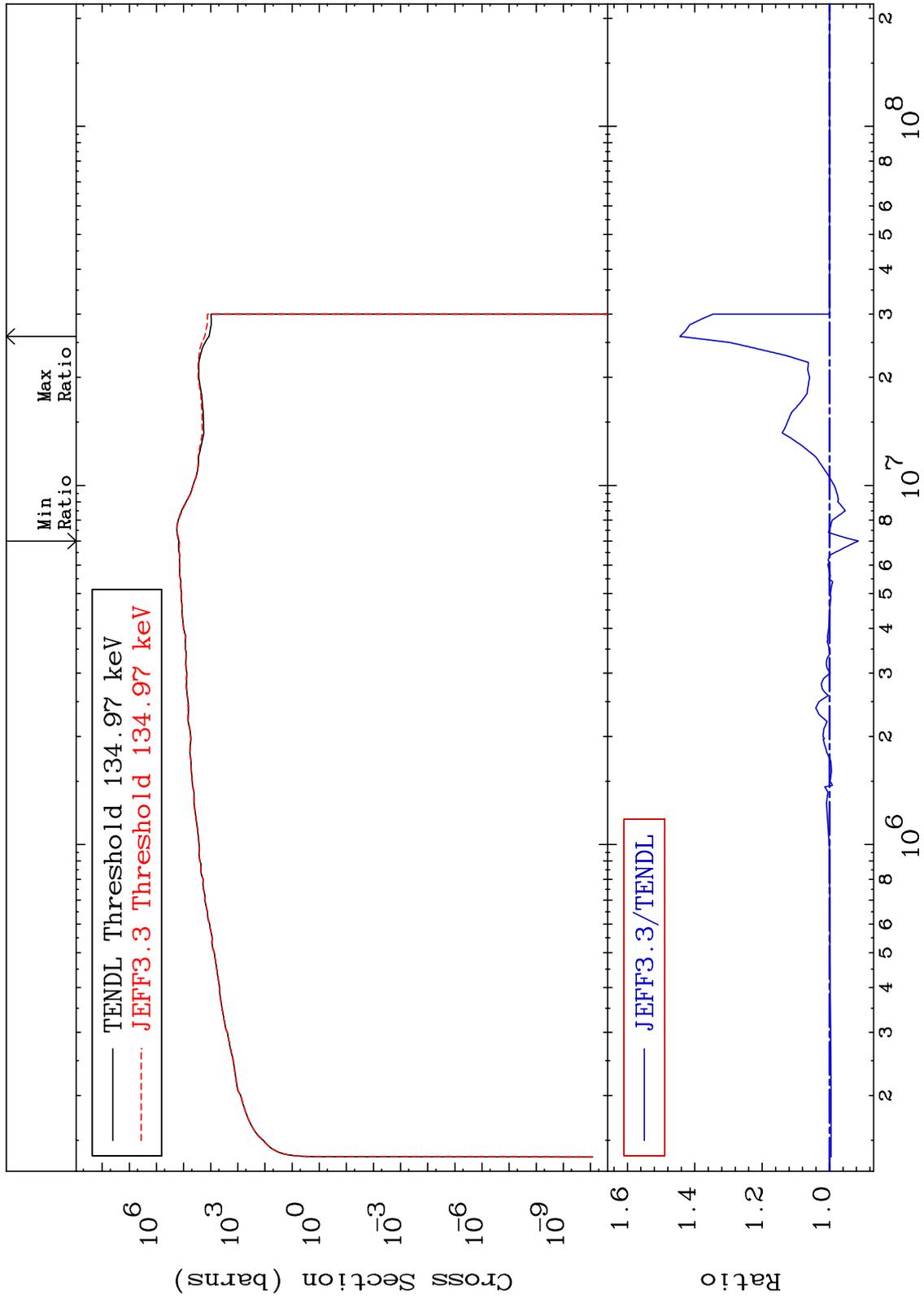
Incident Energy (eV)

75-Re-187

MAT 7531

Kerma inelastic (mt51-91)
Cross Section

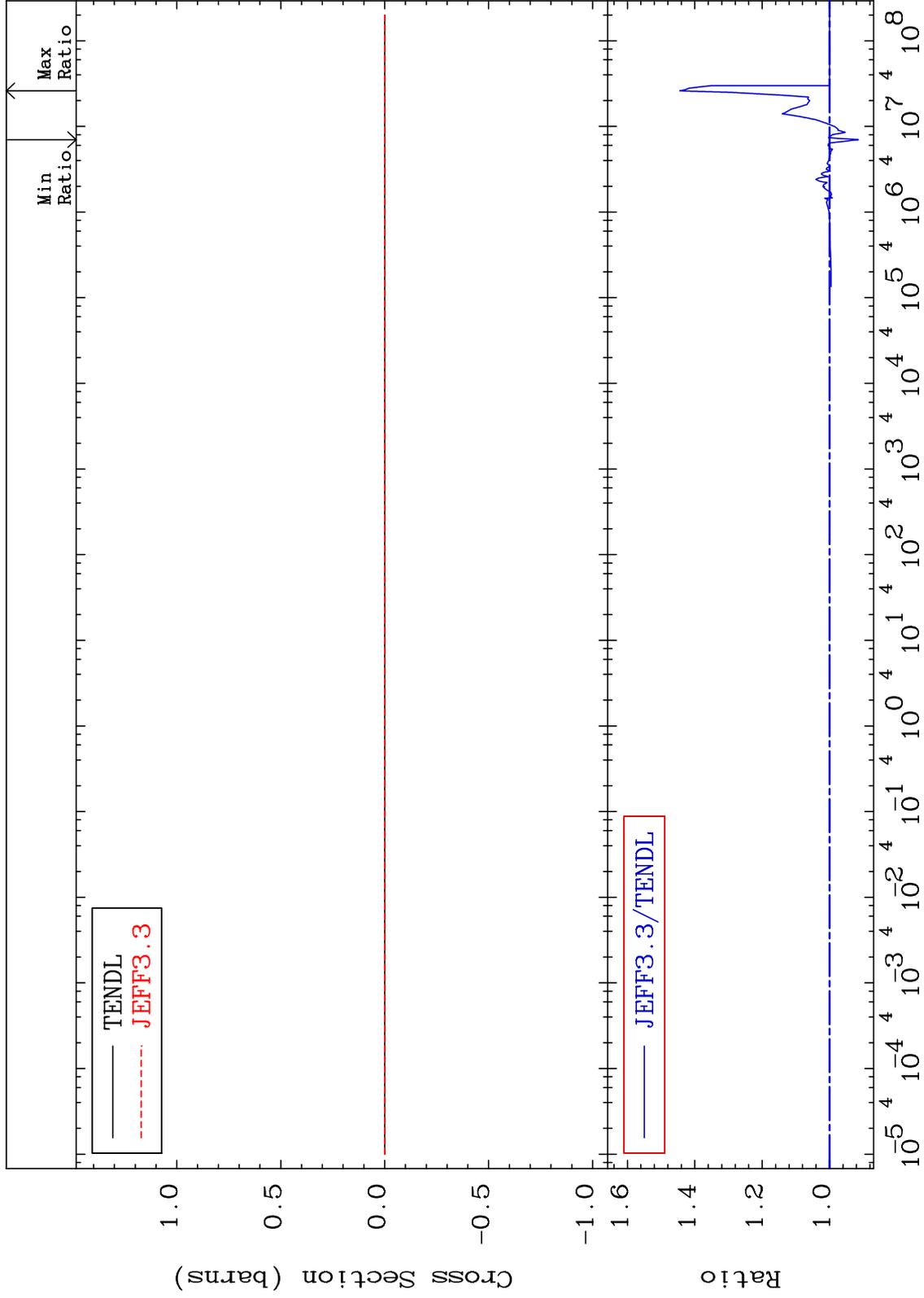
75-Re-187
-8.581 To 44.41 %



MAT 7531

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

75-Re-187
-8.581 To 44.41 %



69

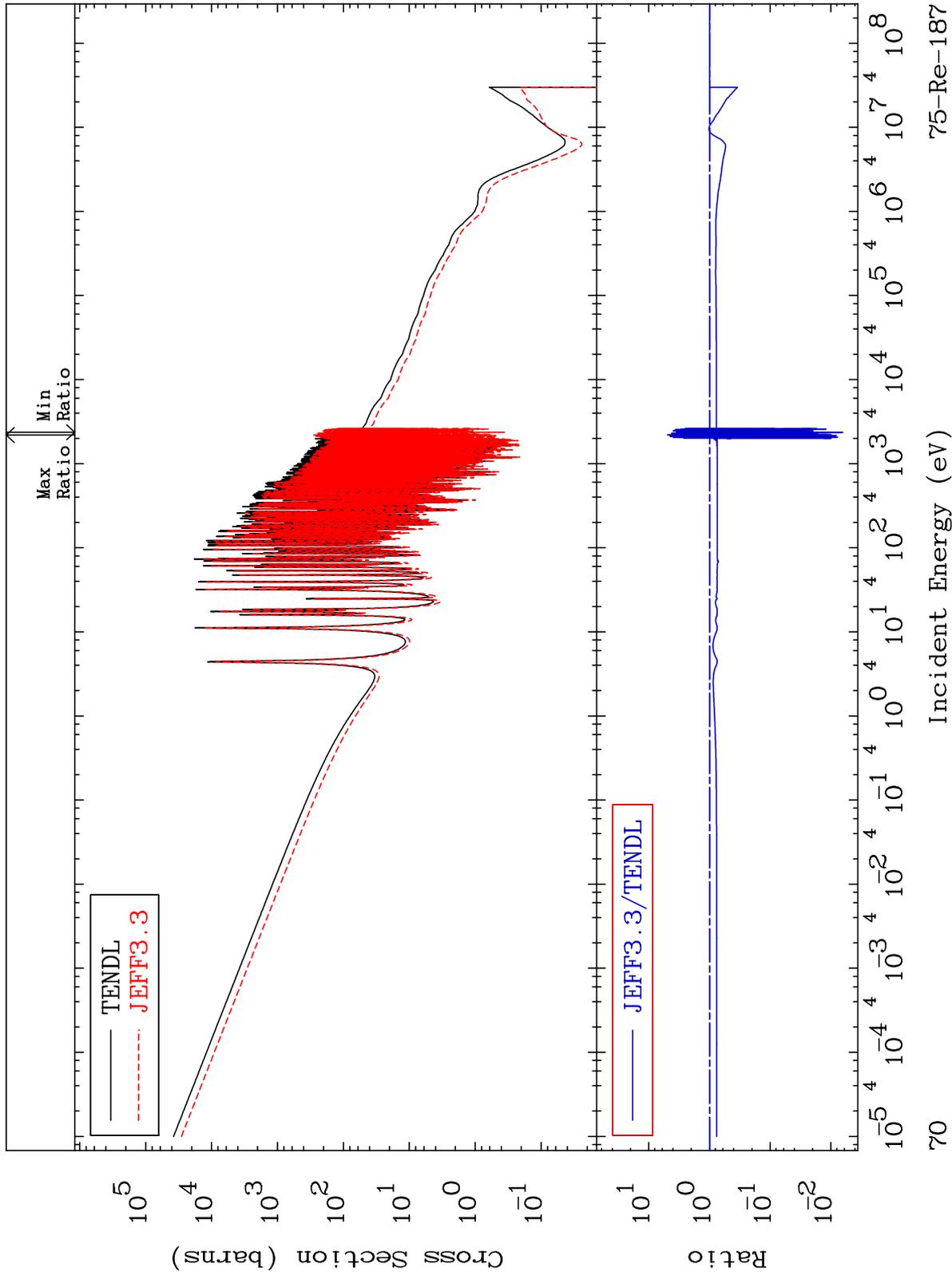
Incident Energy (eV)

75-Re-187

MAT 7531

Kerma capture (mt102)
Cross Section

75-Re-187
-99.37 To 389.0 %



70

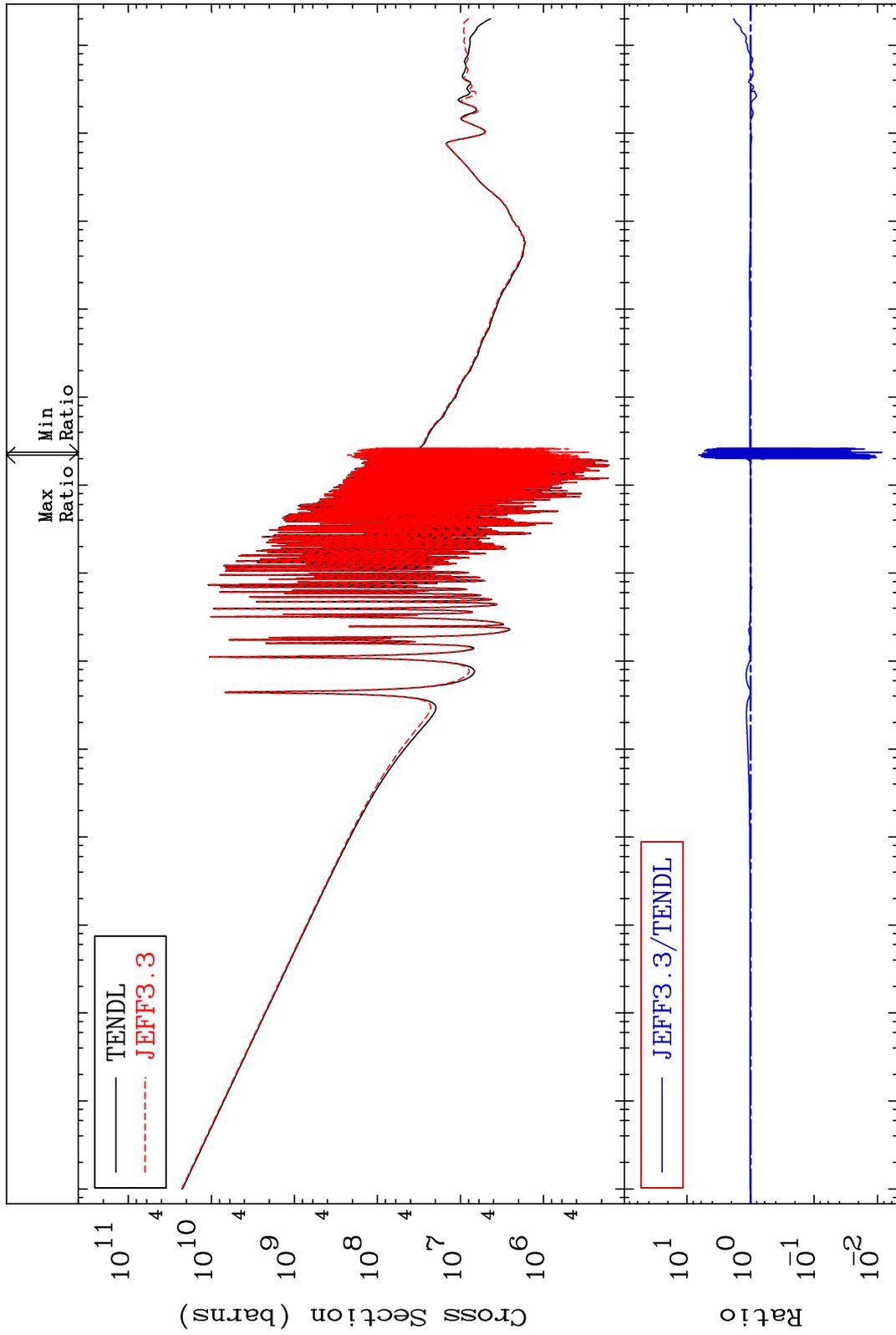
Incident Energy (eV)

75-Re-187

MAT 7531

Total photon (eV-barns)
Cross Section

75-Re-187
-99.15 To 555.0 %



71

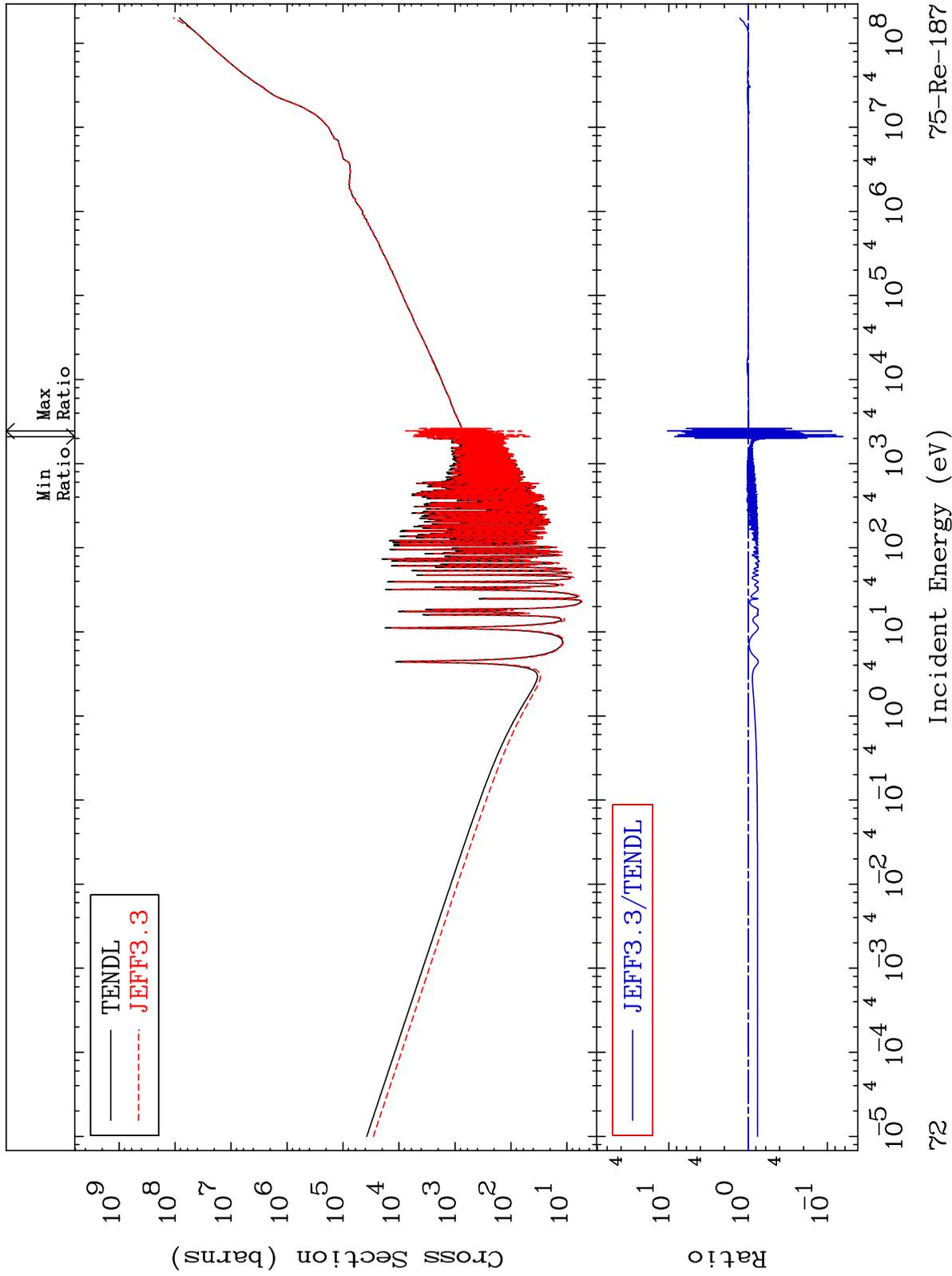
Incident Energy (eV)

75-Re-187

MAT 7531

Total kinematic kerma (high limit)
Cross Section

75-Re-187
-93.61 To 937.4 %



72

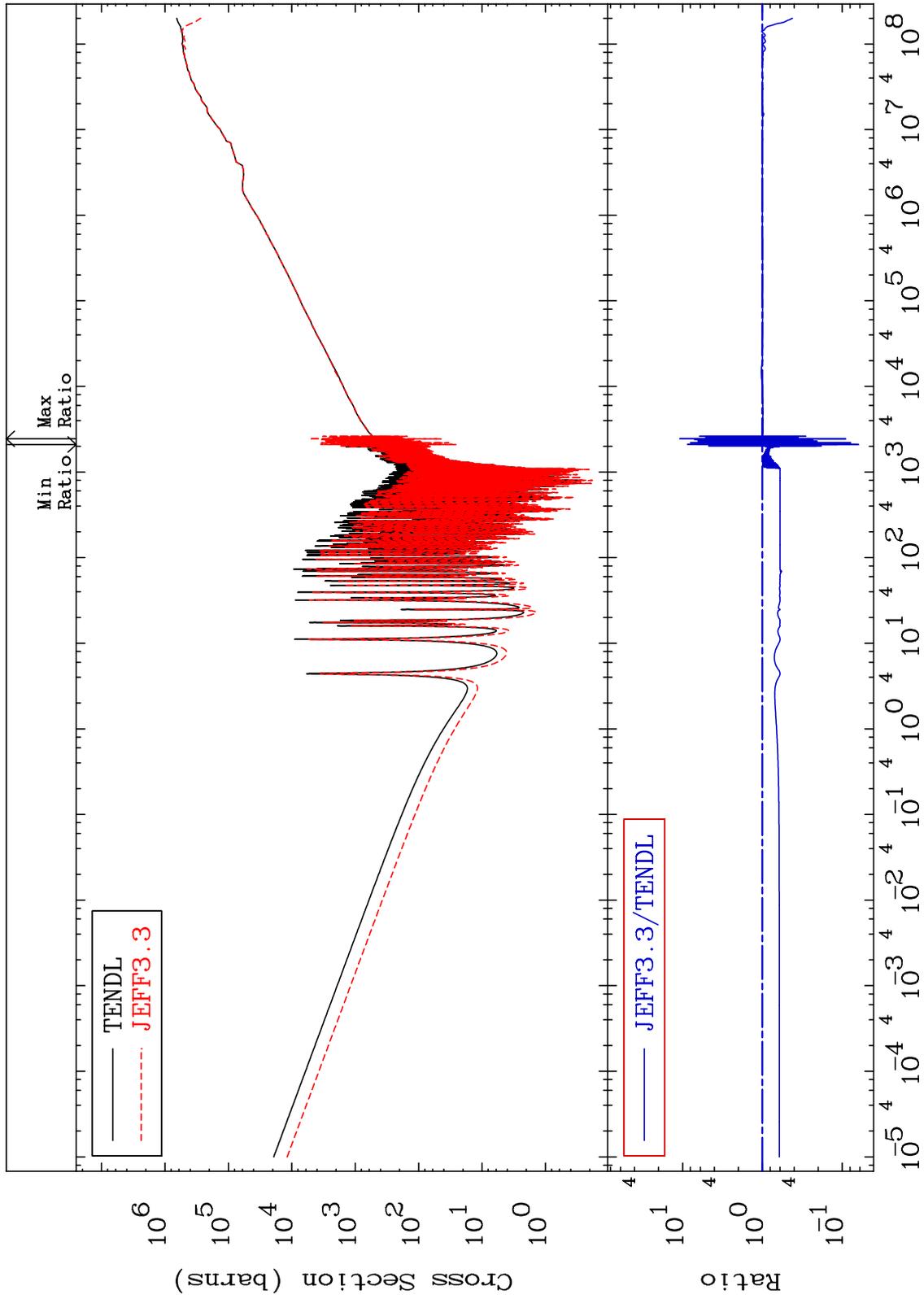
Incident Energy (eV)

75-Re-187

MAT 7531

Dpa total (eV-barns)
Cross Section

75-Re-187
-93.73 To 979.9 %



73

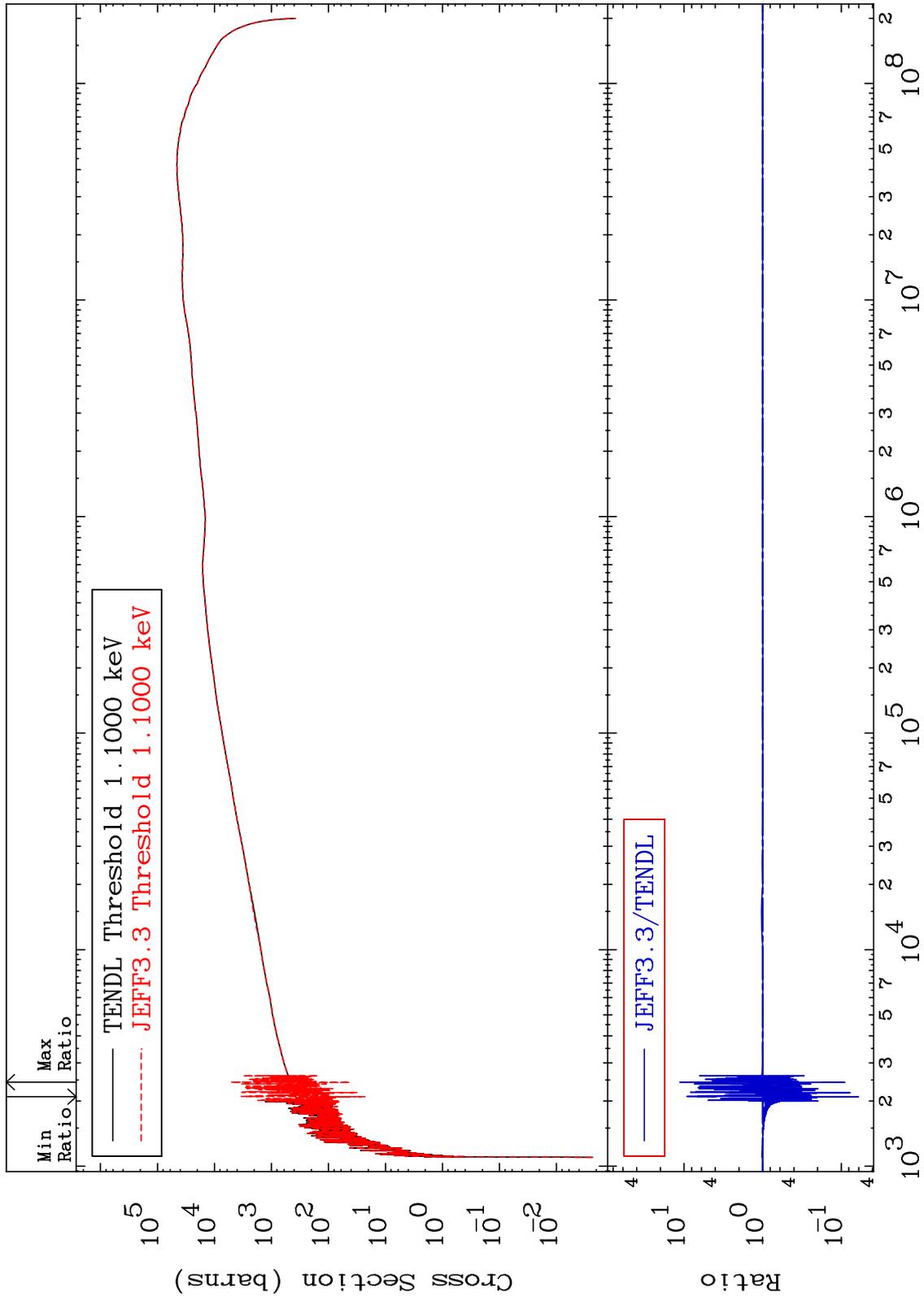
Incident Energy (eV)

75-Re-187

MAT 7531

Dpa elastic (mt2)
Cross Section

75-Re-187
-93.95 To 1027. %



74

Incident Energy (eV)

75-Re-187

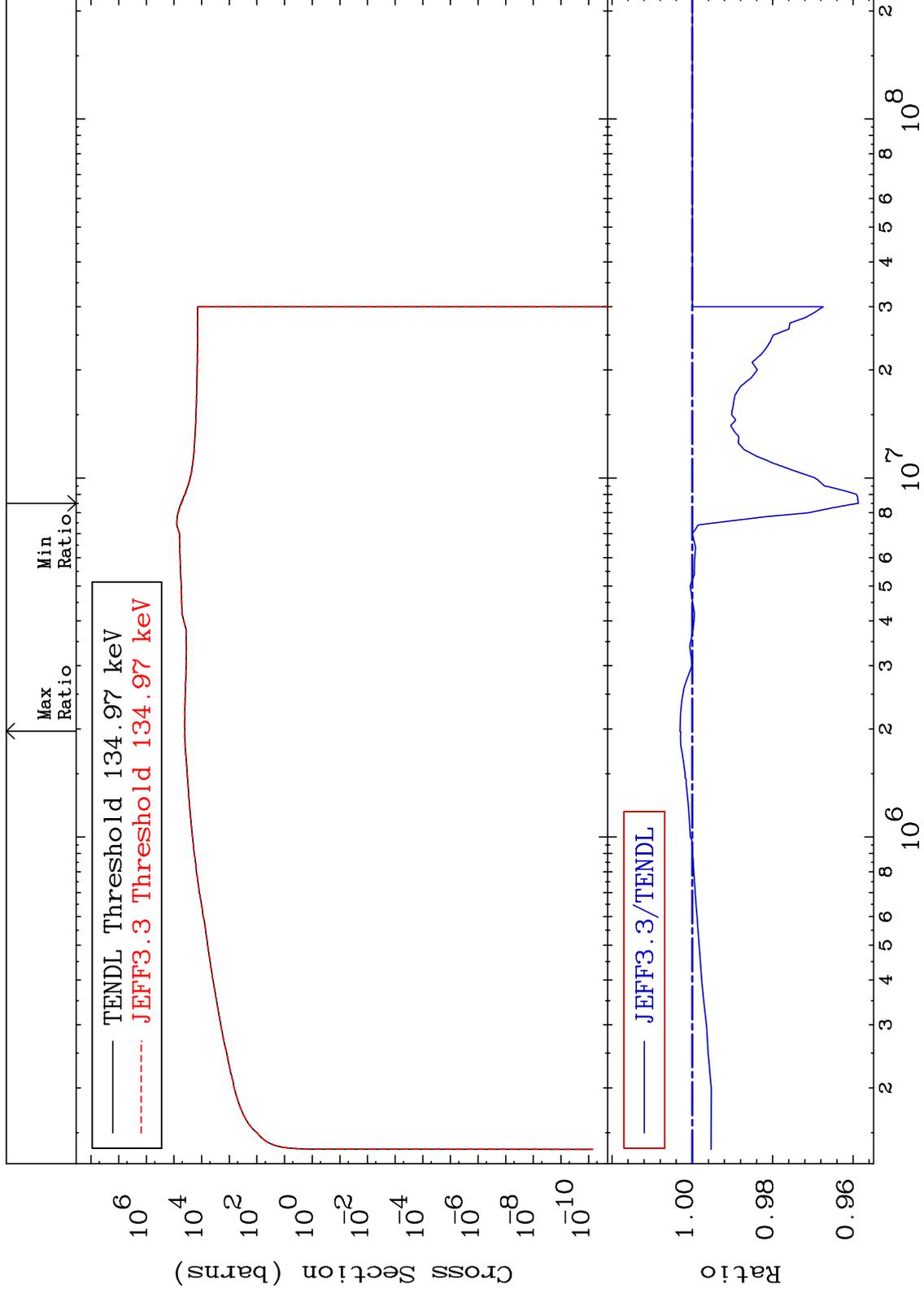
MAT 7531

Dpa inelastic (mt51-91)

75-Re-187

-4.134 To 0.308 %

Cross Section



75

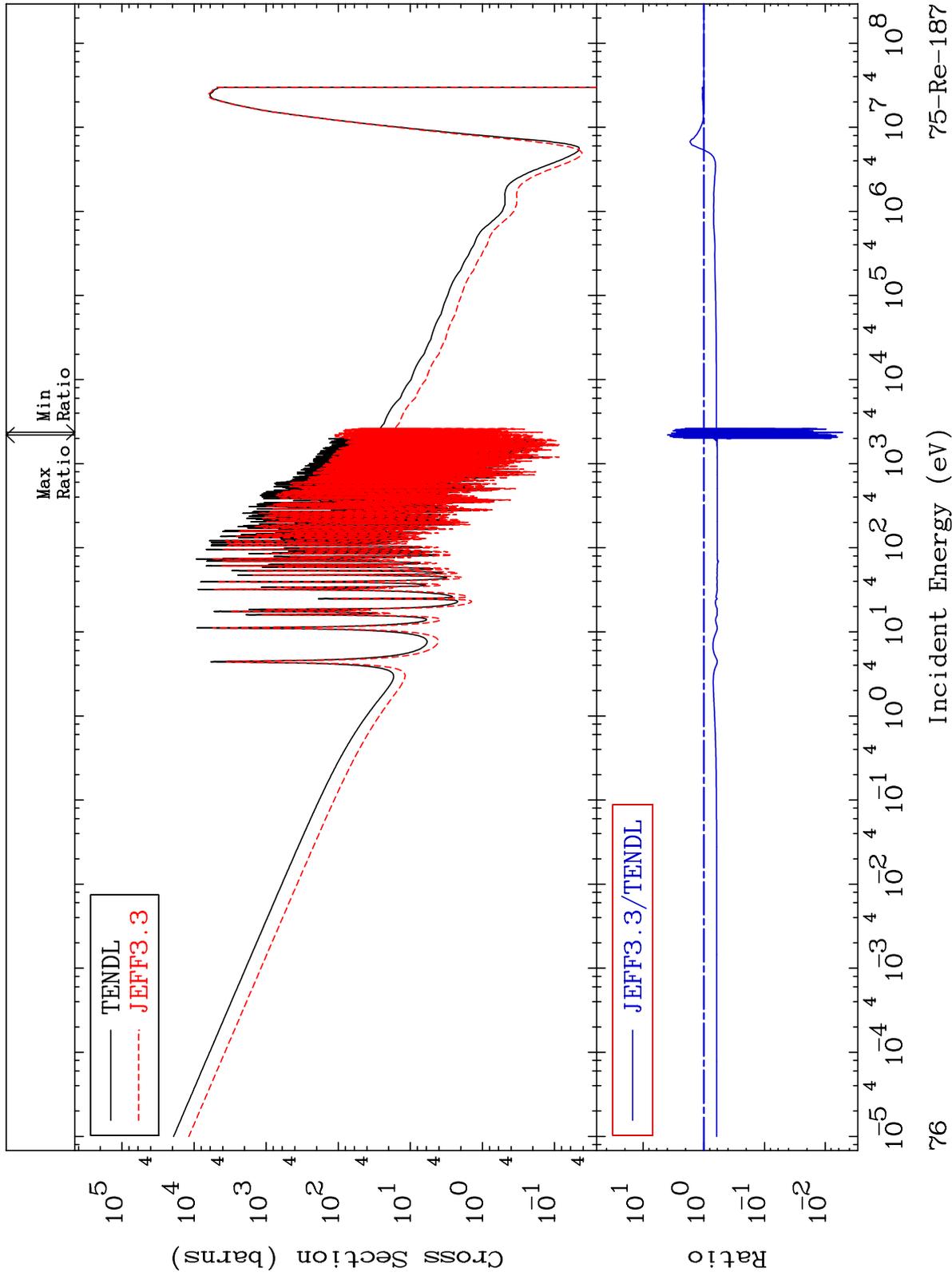
Incident Energy (eV)

75-Re-187

MAT 7531

Dpa disappearance (mt102 -120)
Cross Section

75-Re-187
-99.49 To 294.8 %



76

Incident Energy (eV)

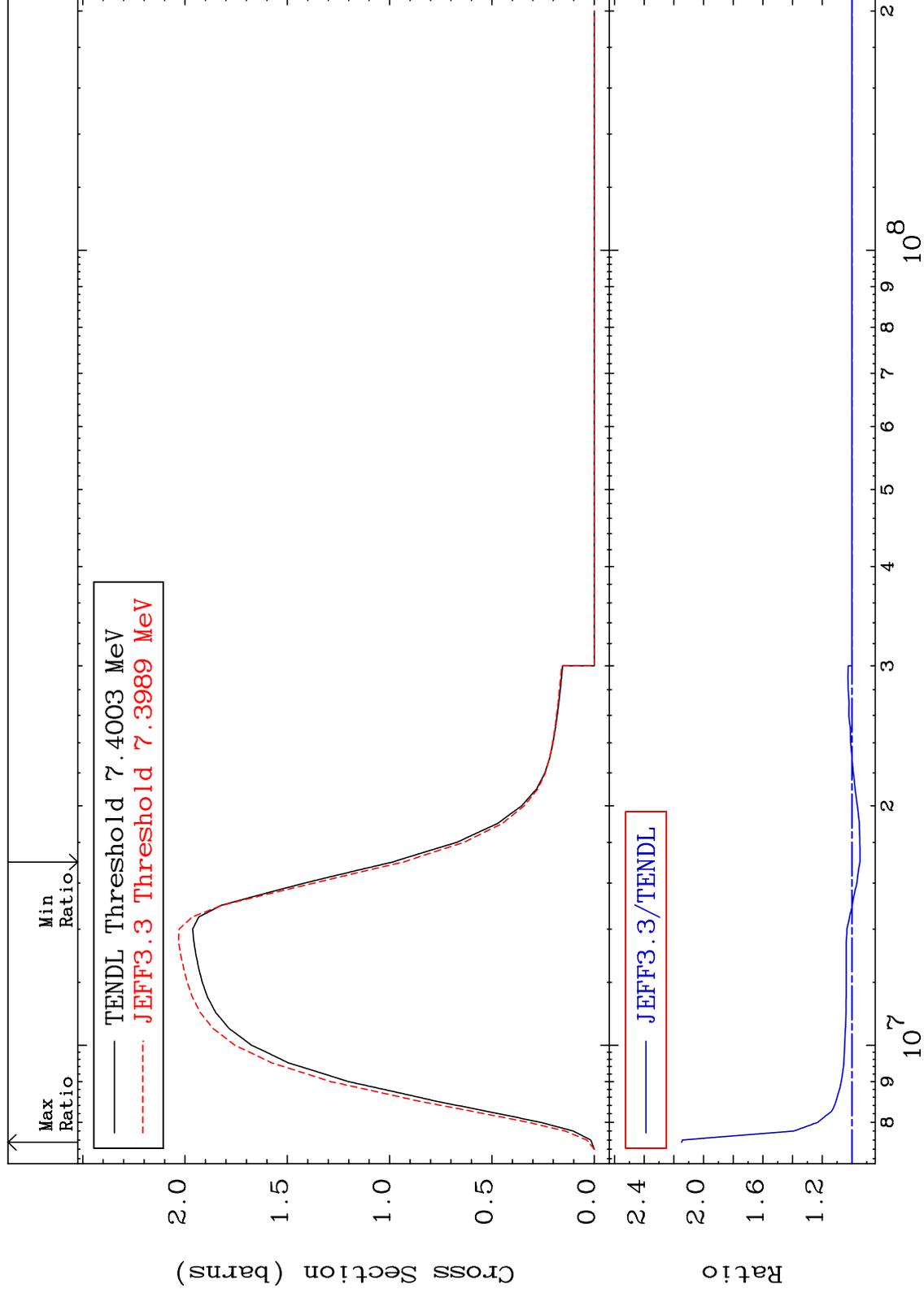
75-Re-187

MAT 7531

(n,2n) : 75-Re-186g

75-Re-187

Radionuclide Production Cross Section -5.412 To 114.8 %



77

Incident Energy (eV)

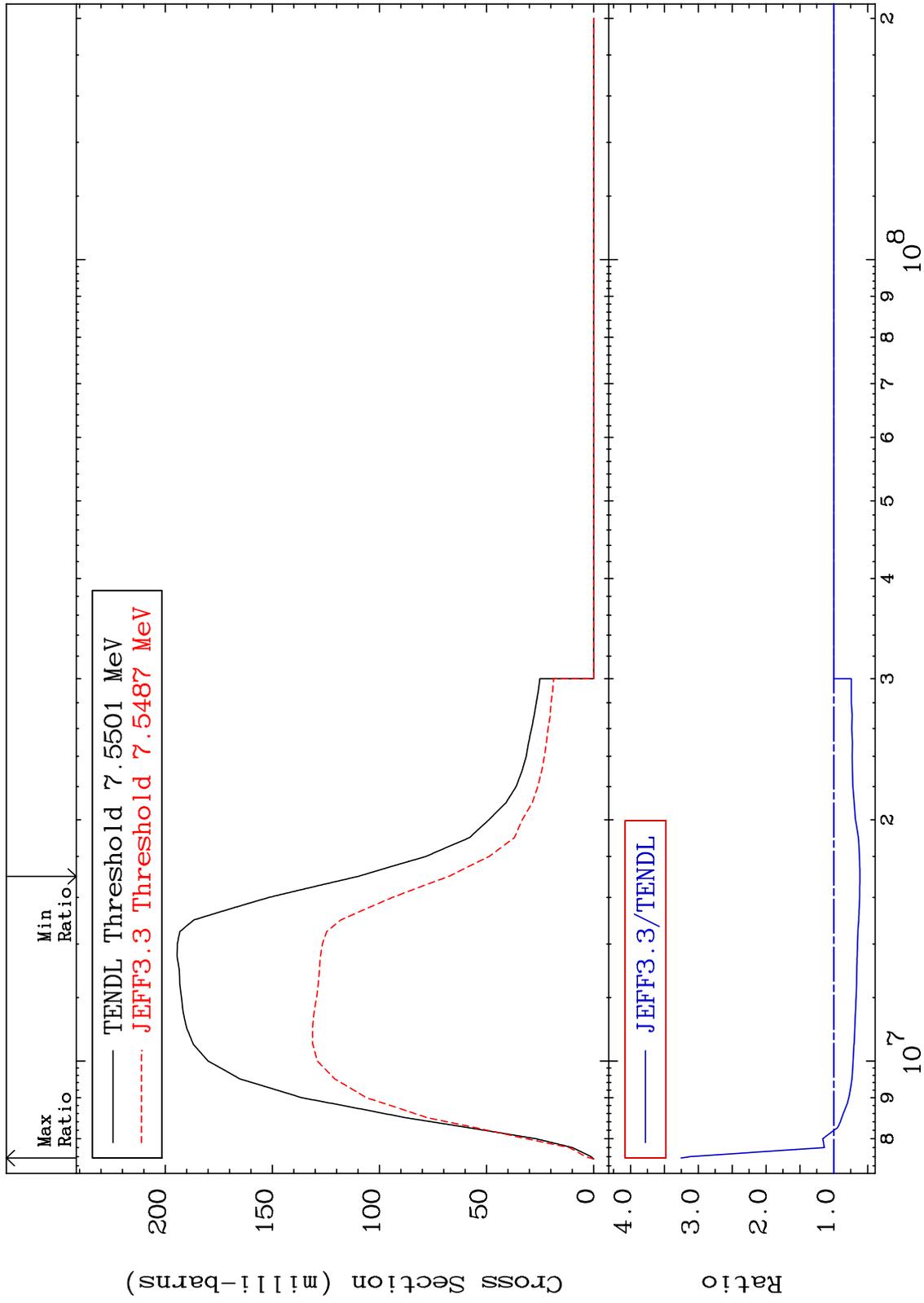
75-Re-187

MAT 7531

(n,2n): 75-Re-186m4

75-Re-187

Radionuclide Production Cross Section -38.48 To 225.3 %



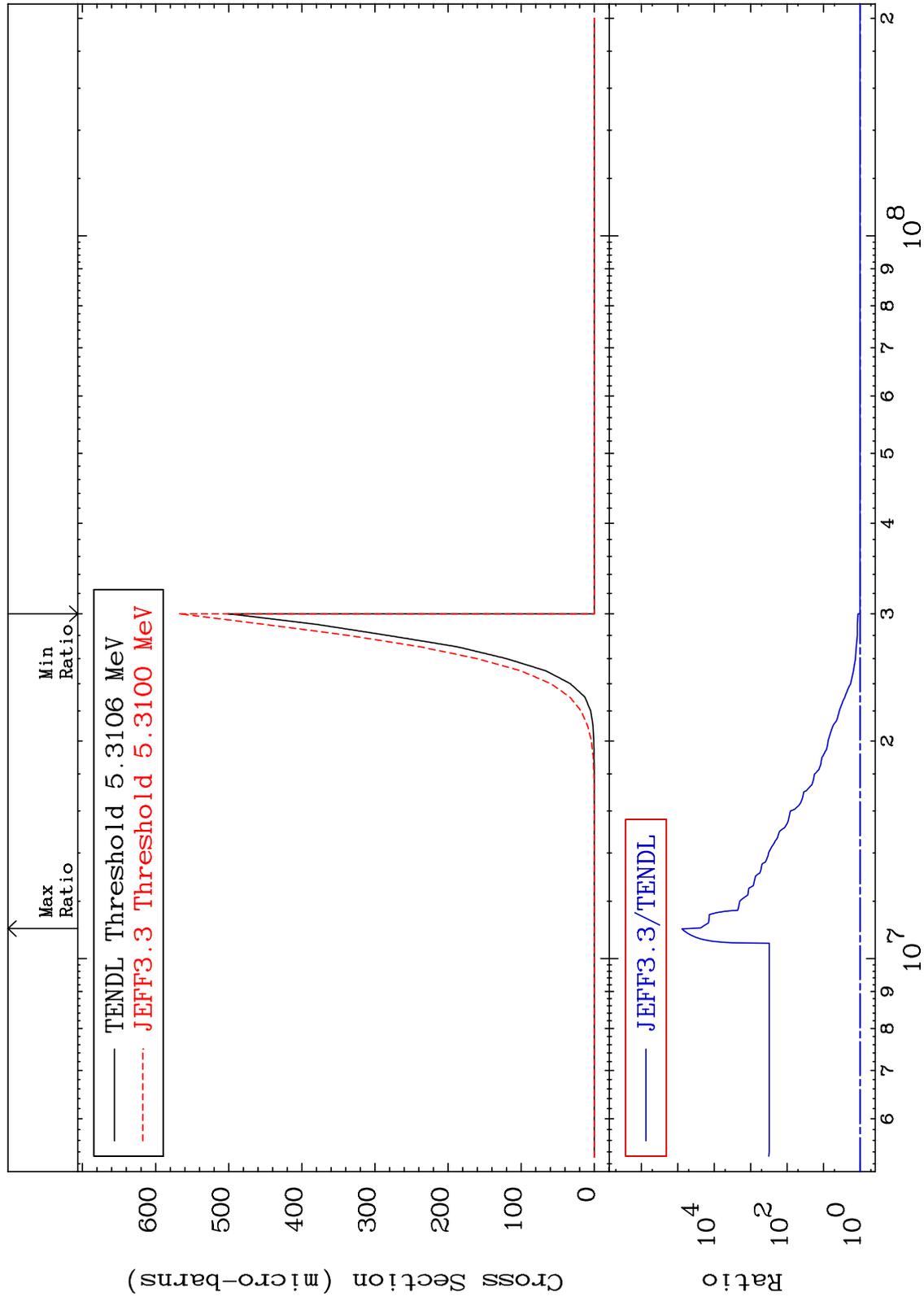
78

Incident Energy (eV)

75-Re-187

MAT 7531

(n,2n) α :73-Ta-182g 75-Re-187
Radionuclide Production Cross Section 0.000 To 9999. %



79

Incident Energy (eV)

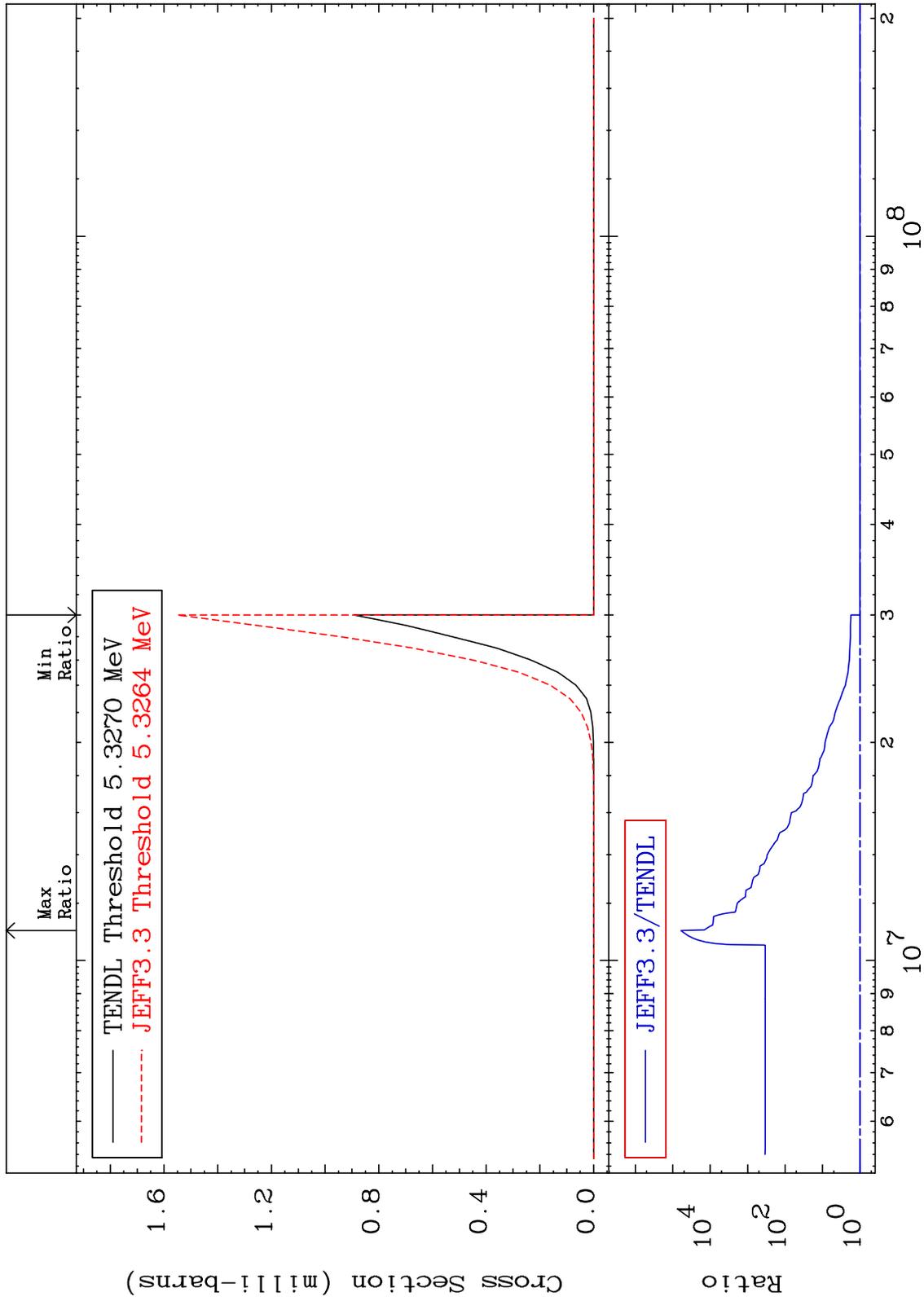
75-Re-187

MAT 7531

(n,2n) α : 73-Ta-182m1

75-Re-187

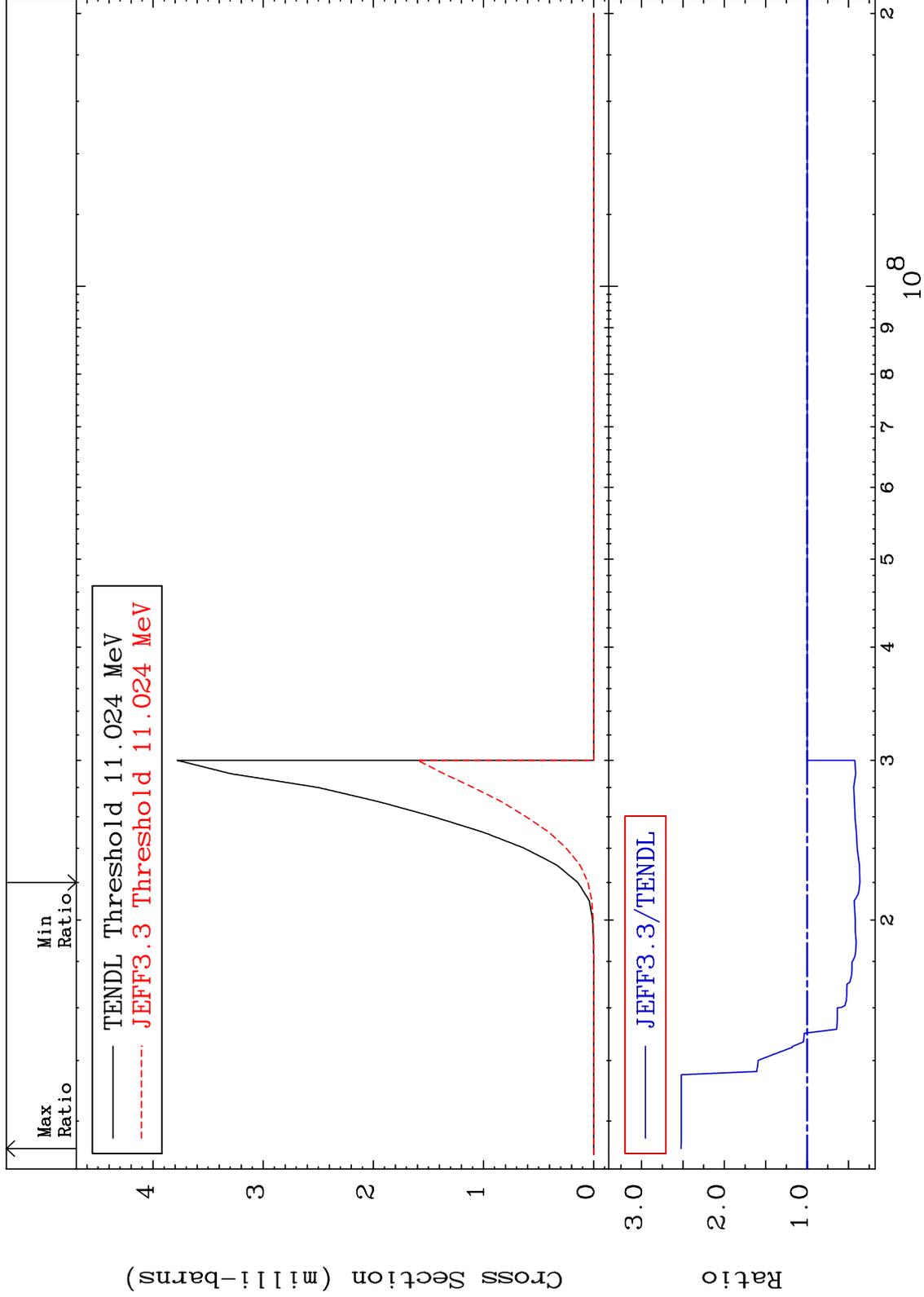
Radionuclide Production Cross Section 0.000 To 9999. %



80

Incident Energy (eV)

75-Re-187

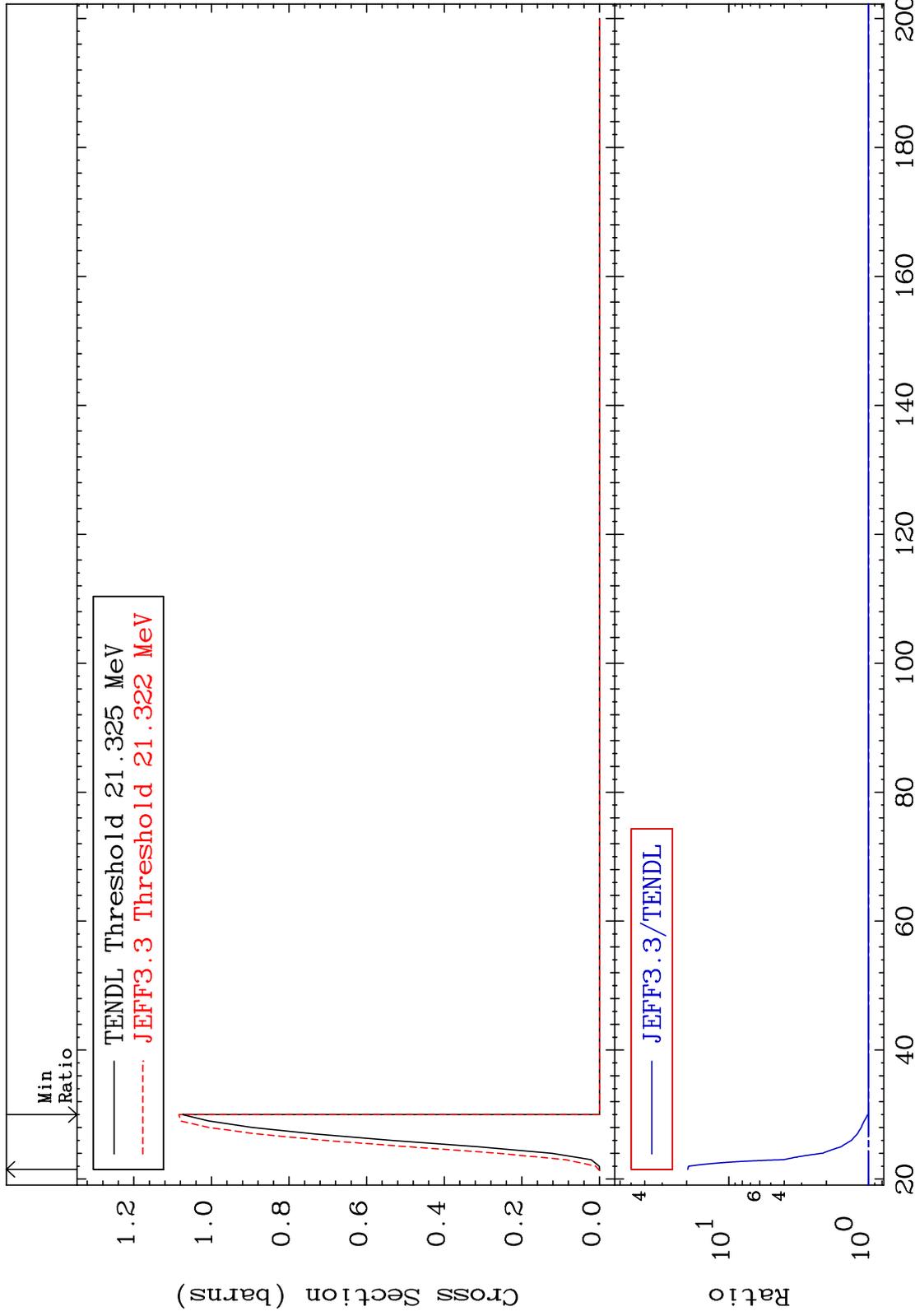


MAT 7531

(n,4n) : 75-Re-184g

75-Re-187

Radionuclide Production Cross Section 0.000 To 1862. %



82

Incident Energy (MeV)

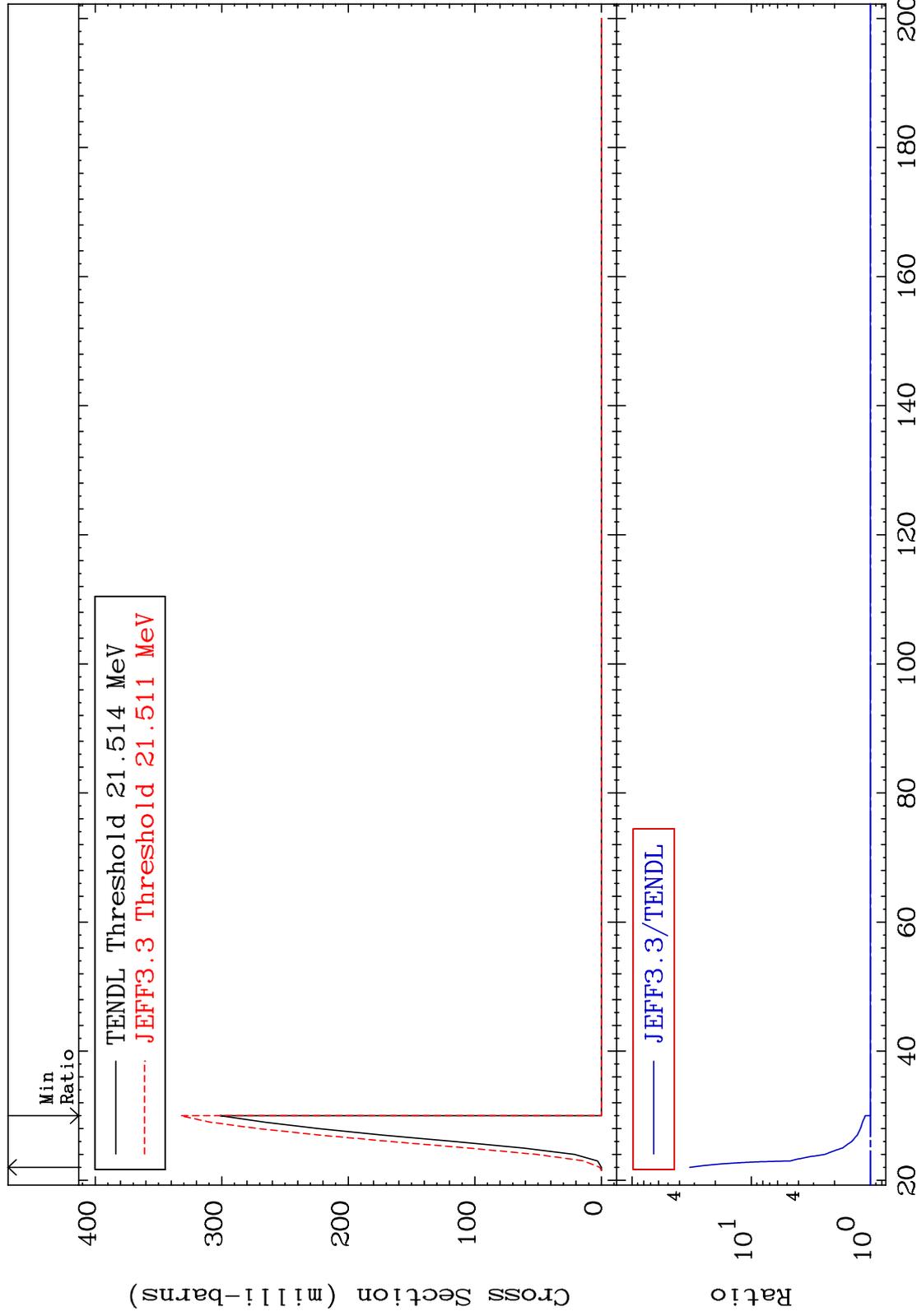
75-Re-187

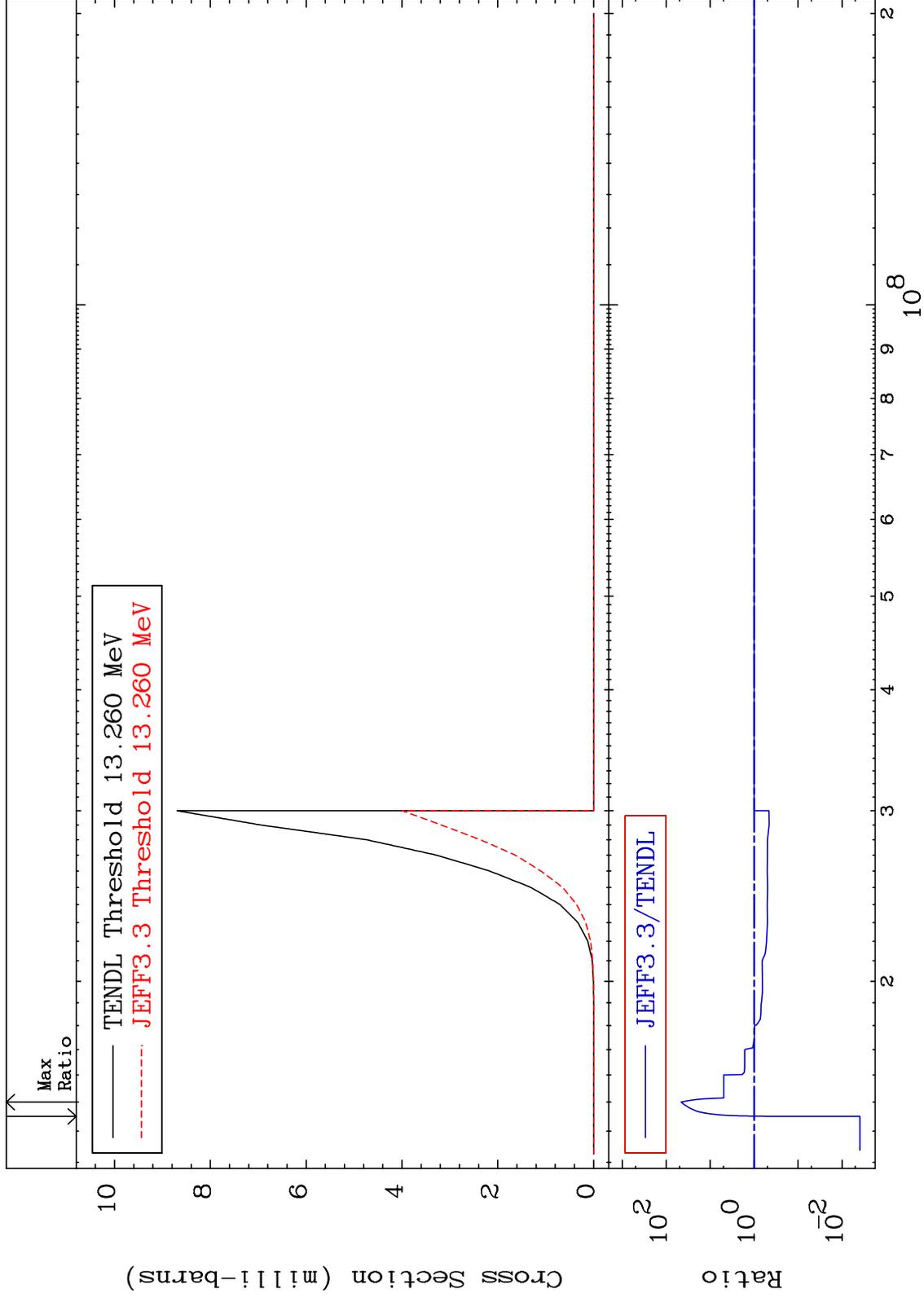
MAT 7531

(n, 4n) : 75-Re-184m5

75-Re-187

Radionuclide Production Cross Section 0.000 To 3184. %



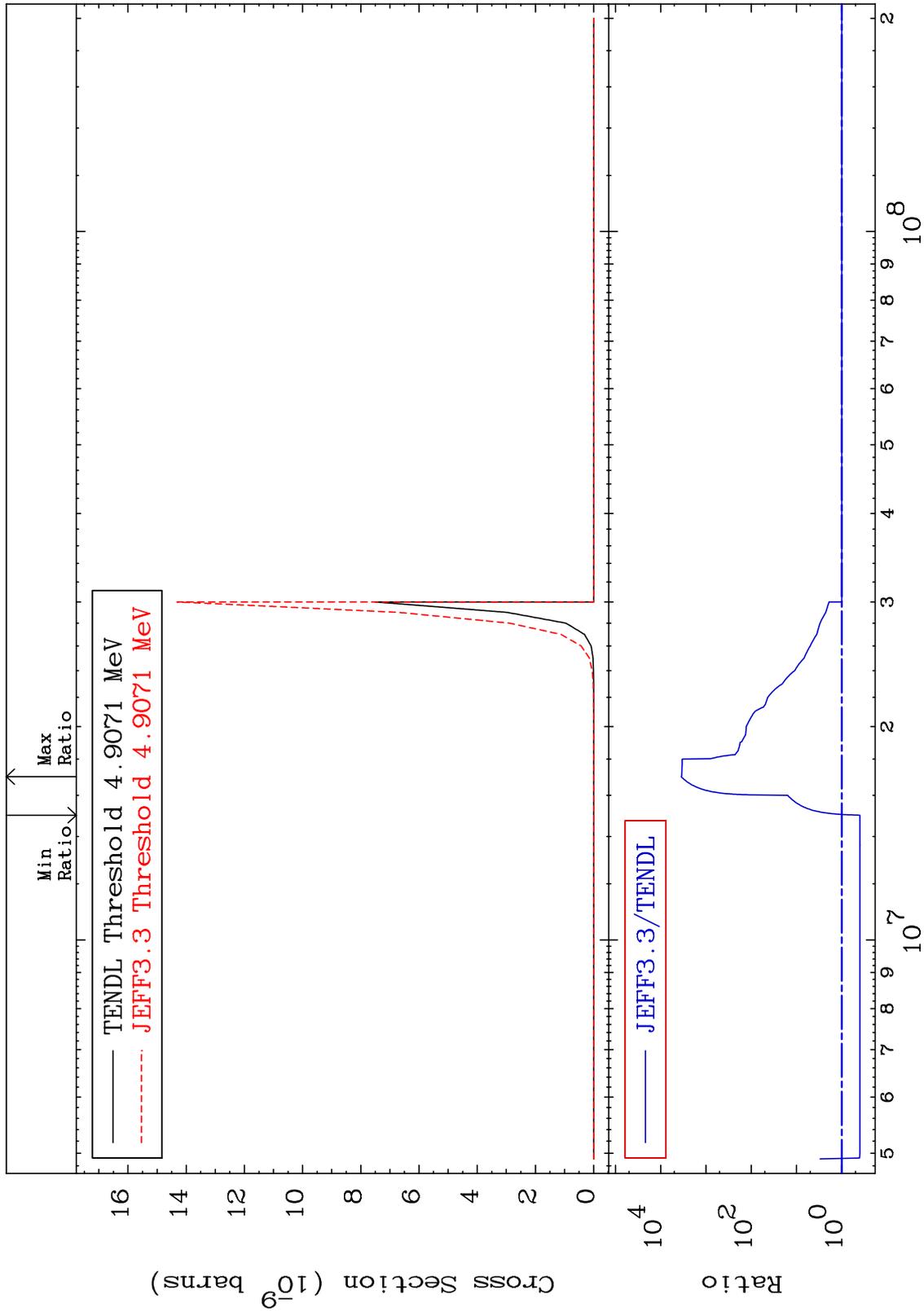


MAT 7531

(n, n') p α : 72-Hf-182g

75-Re-187

Radionuclide Production Cross Section -60.20 To 9999. %



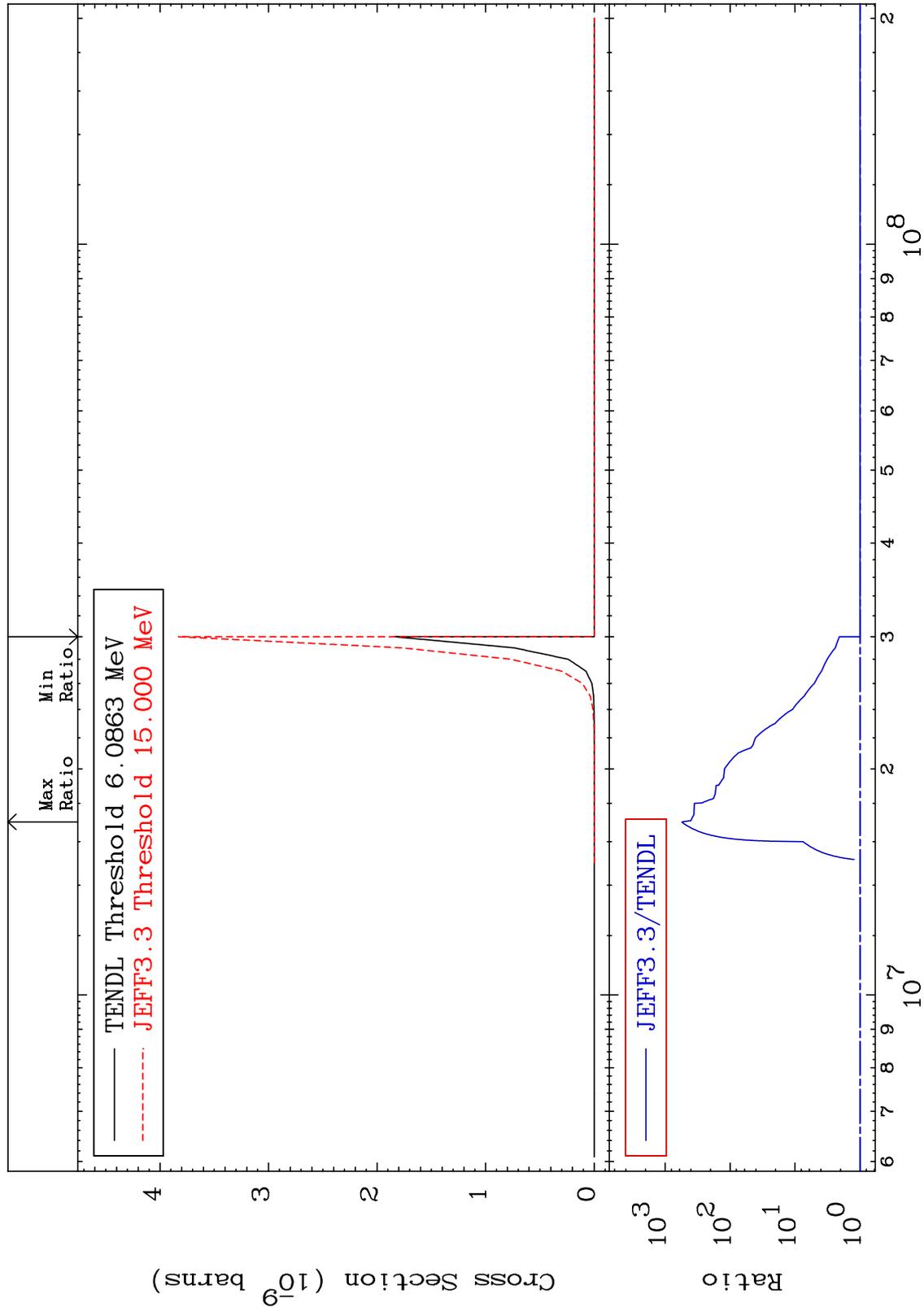
85

Incident Energy (eV)

75-Re-187

MAT 7531

(n, n') p α : 72-Hf-182m9 75-Re-187
Radionuclide Production Cross Section 0.000 To 9999. %



86

Incident Energy (eV)

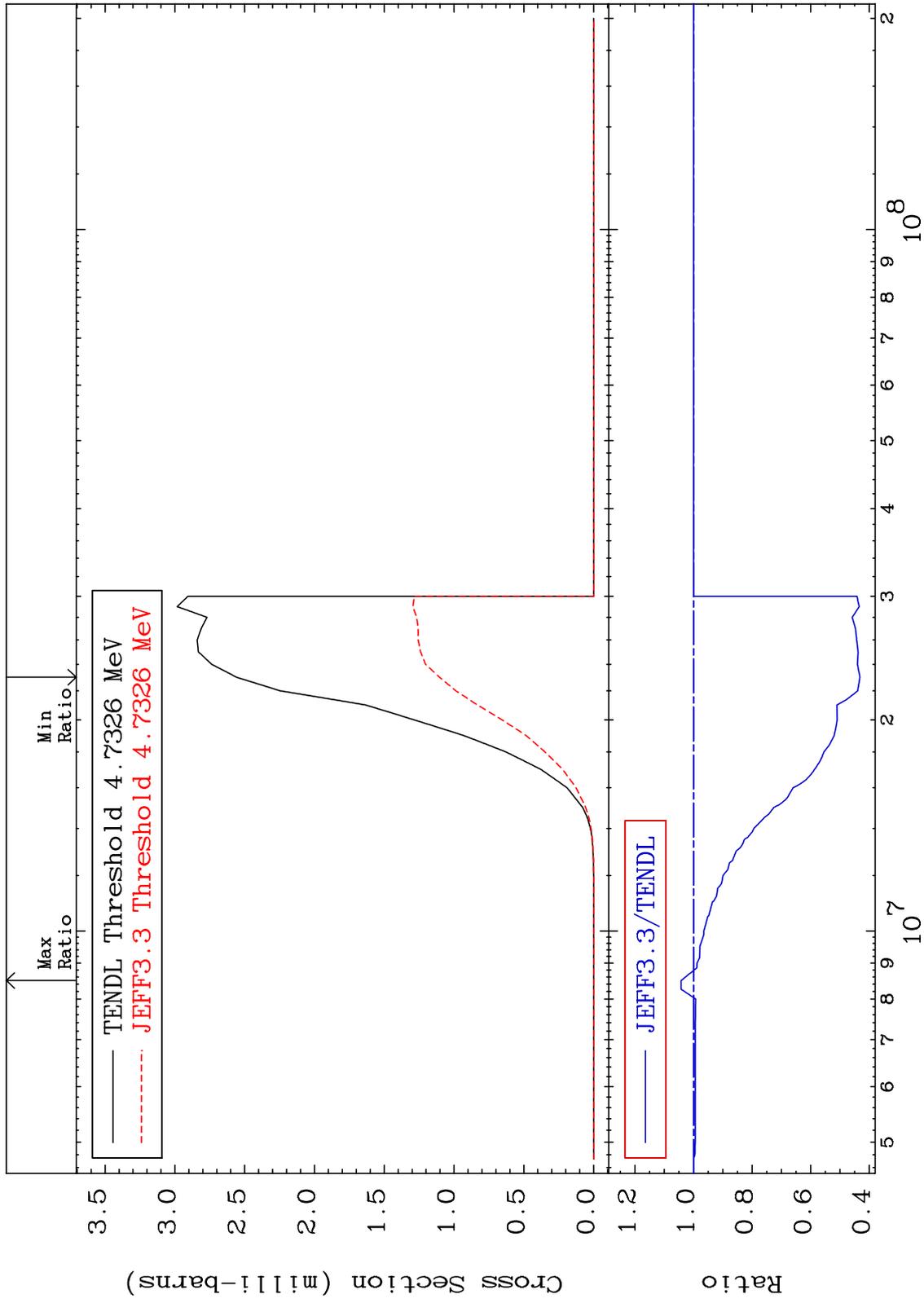
75-Re-187

MAT 7531

(n, t): 74-W -185g

75-Re-187

Radionuclide Production Cross Section -56.83 To 4.216 %



87

Incident Energy (eV)

75-Re-187