

Program Complot
(Version 2018-1)

by

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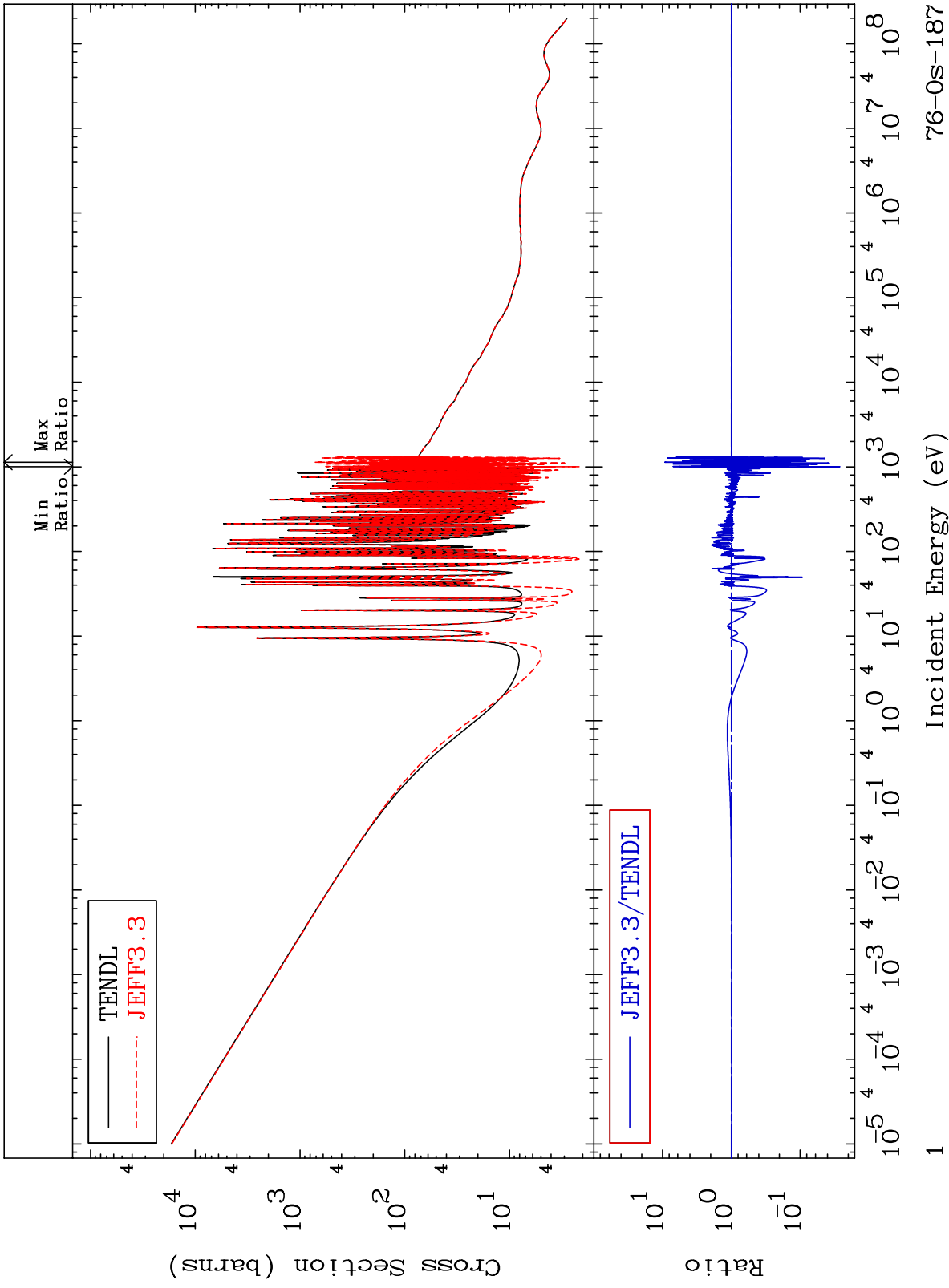
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7634

Total
Cross Section

76-0s-187
-97.34 To 828.4 %



76-0s-187

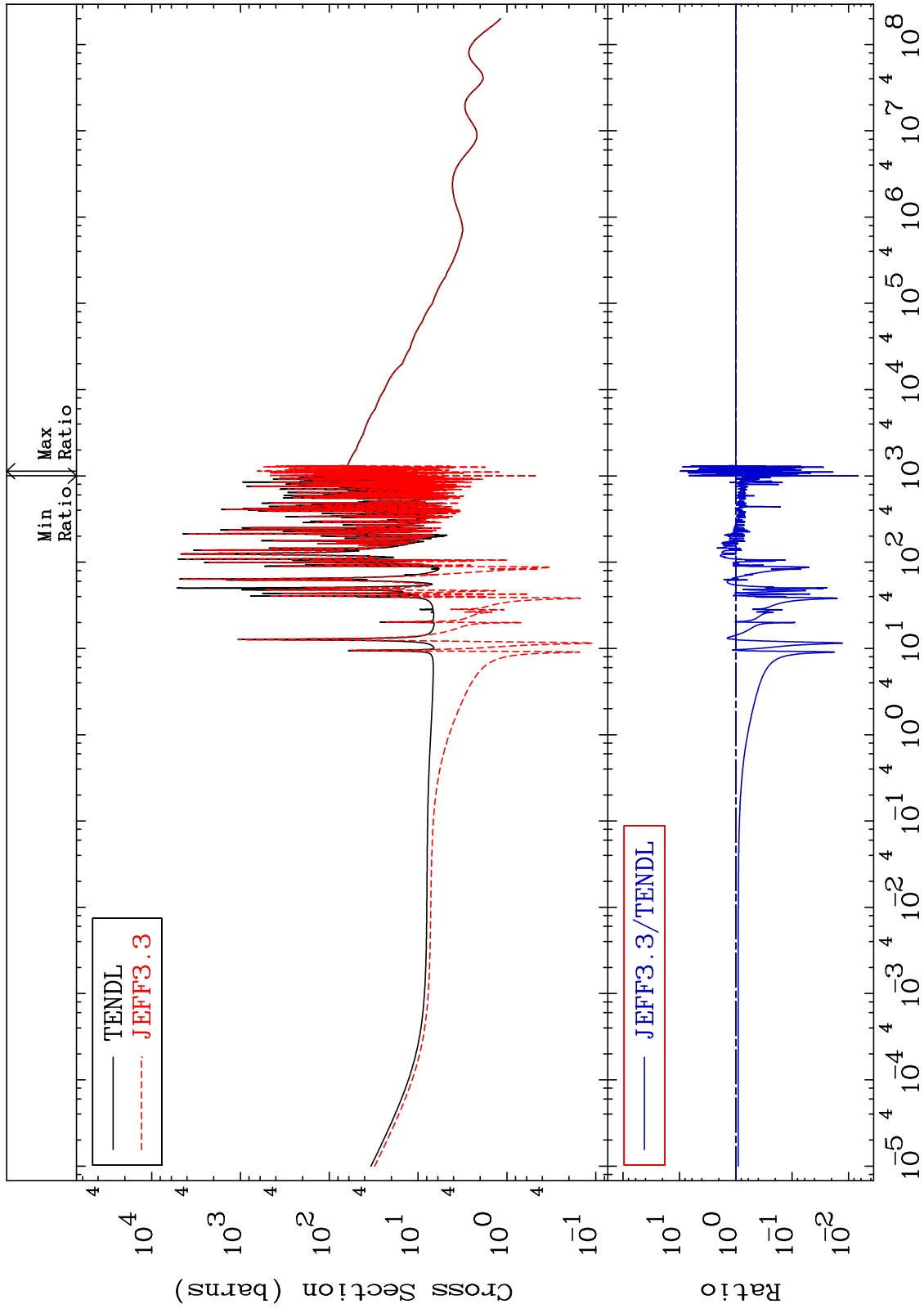
MAT 7634

Elastic

76-0s-187

Cross Section

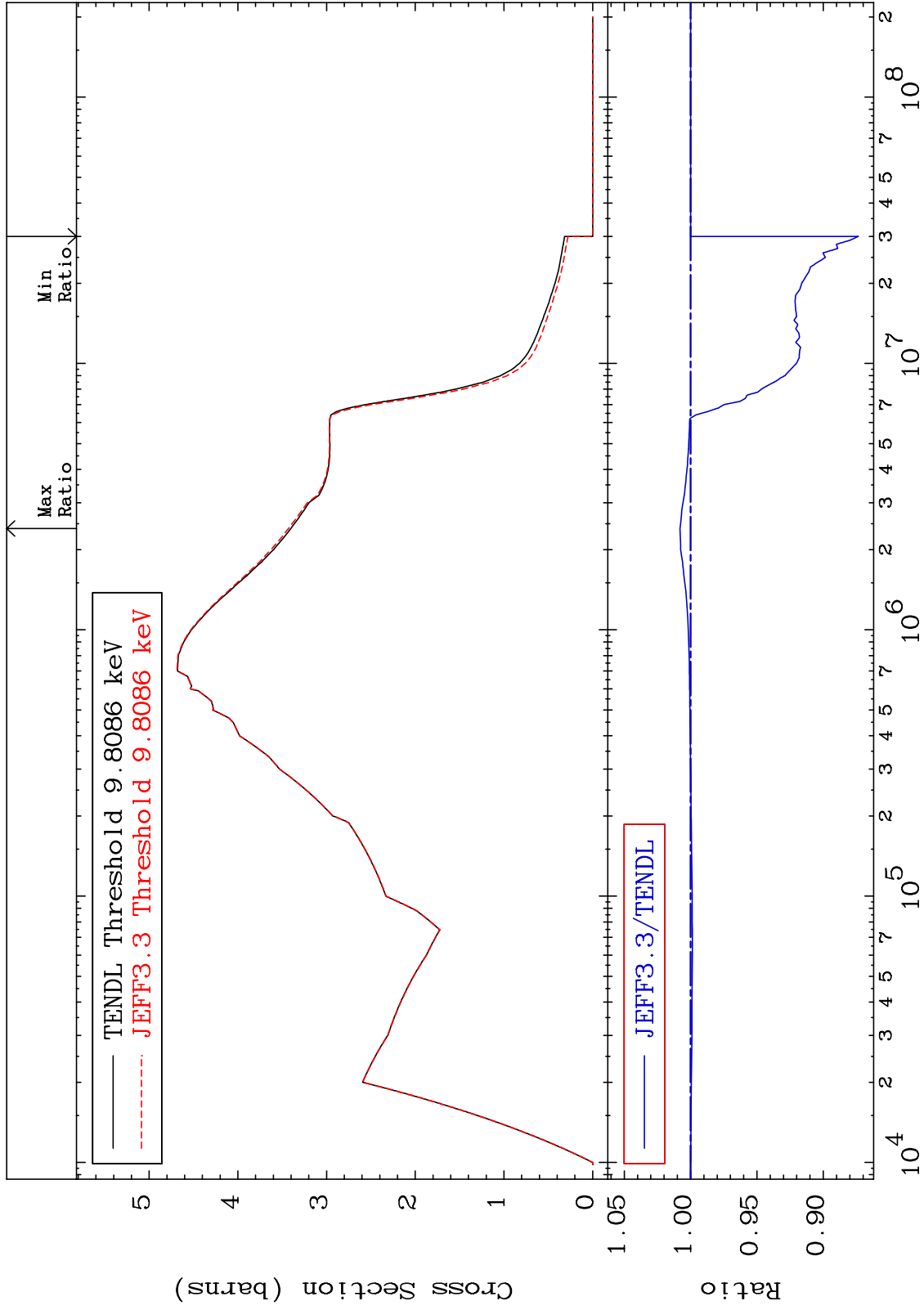
-99.33 To 876.9 %



MAT 7634

Inelastic
Cross Section

76-0s-187
-12.65 To 0.799 %



Incident Energy (eV)

76-0s-187

3

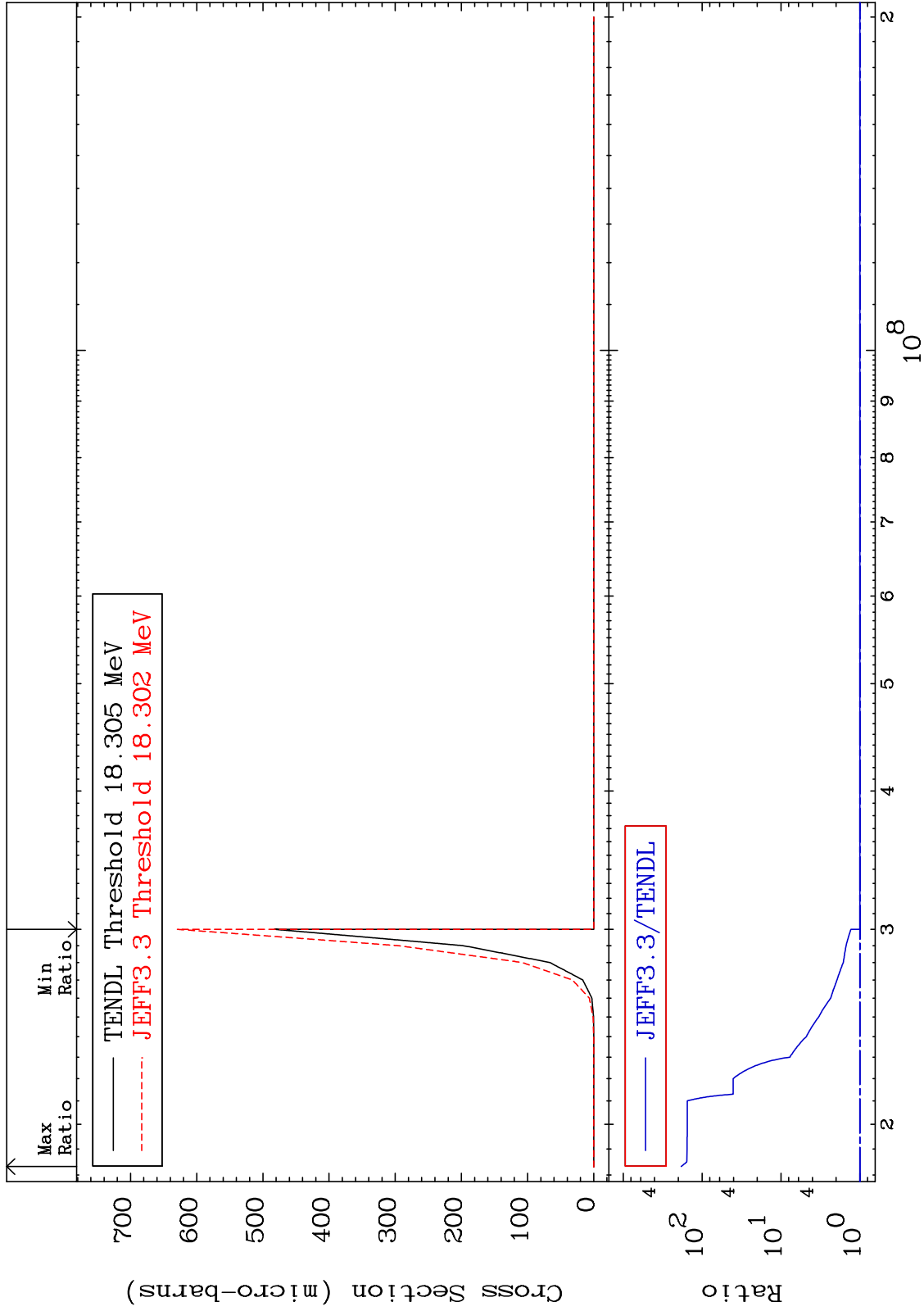
MAT 7634

(n,2n) d

76-0s-187

Cross Section

0.000 To 9999. %



4

Incident Energy (eV)

76-0s-187

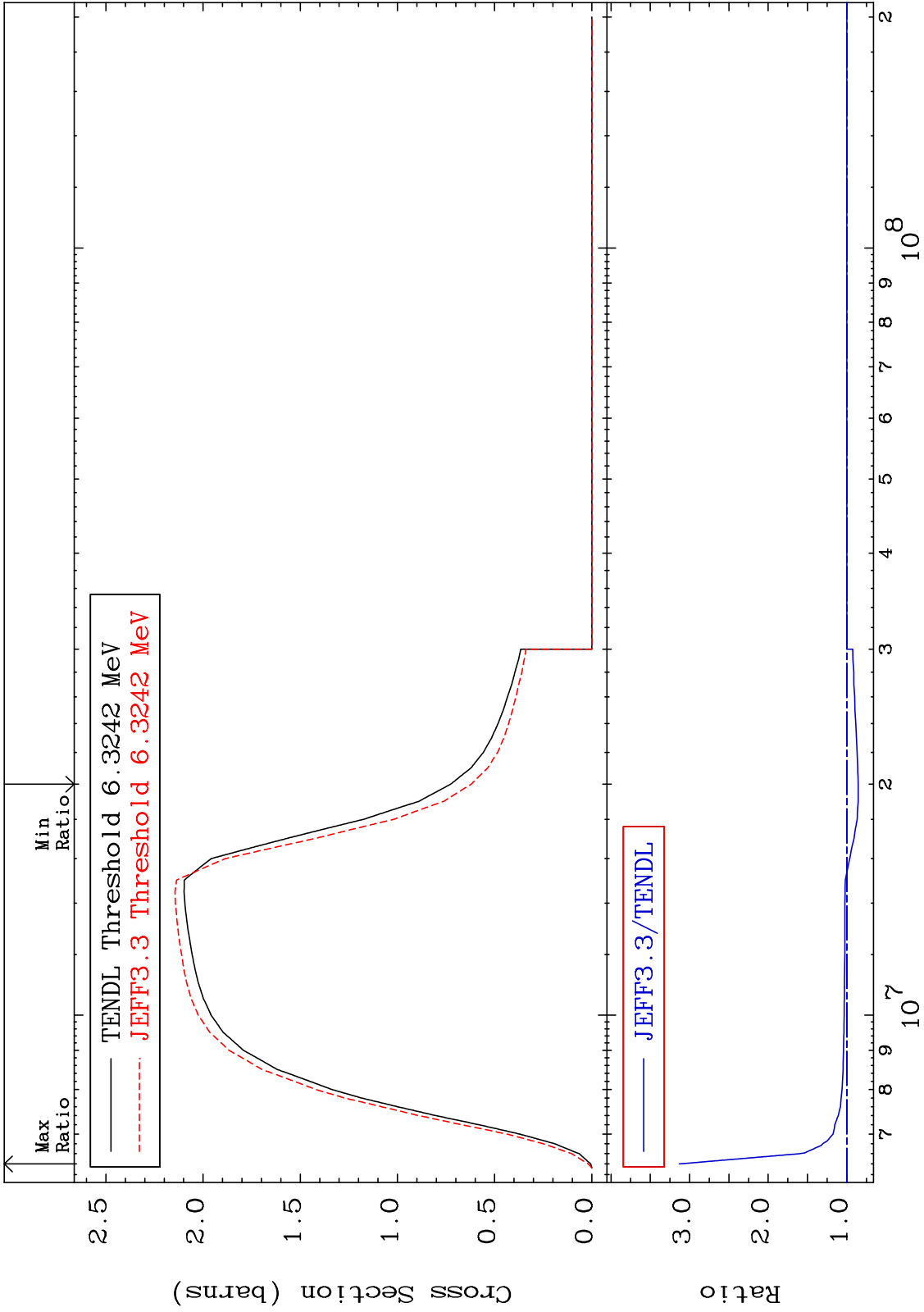
MAT 7634

(n,2n)

76-0s-187

Cross Section

-14.55 To 213.0 %



5

Incident Energy (eV)

76-0s-187

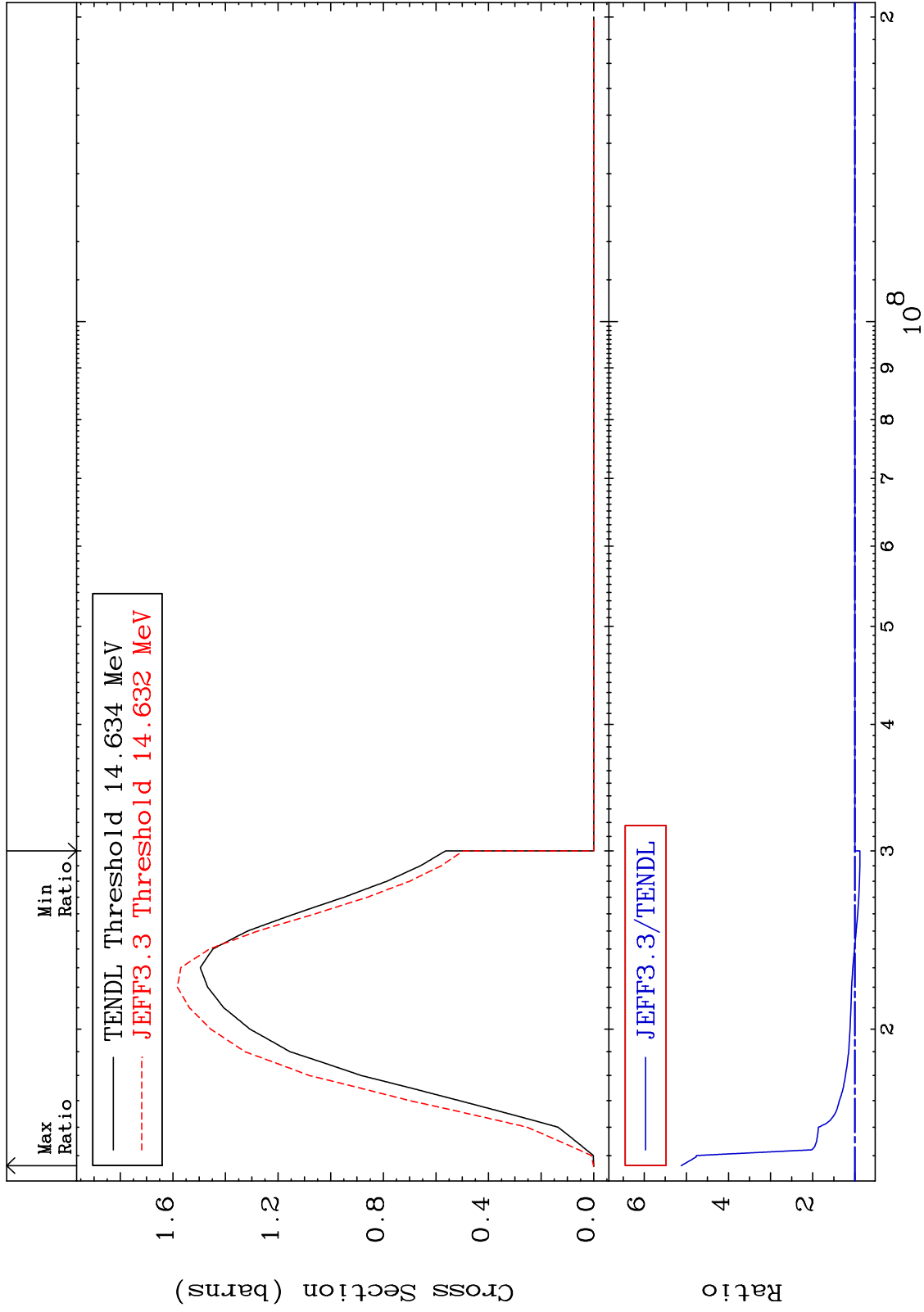
MAT 7634

(n, 3n)

76-0s-187

Cross Section

-11.96 To 412.2 %



6

Incident Energy (eV)

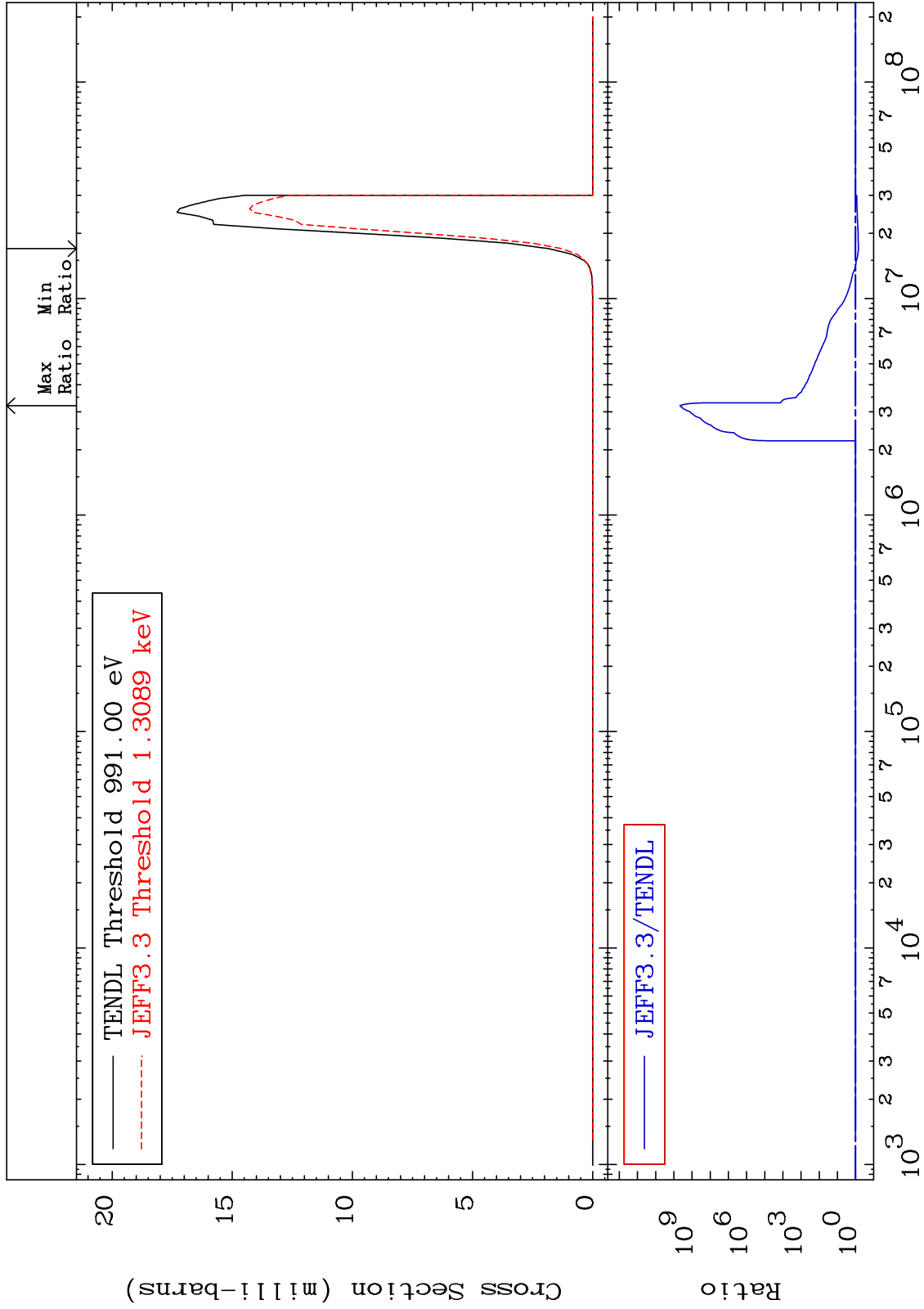
76-0s-187

MAT 7634

(n, n') α

Cross Section

76-0s-187
-29.98 To 9999. %



76-0s-187

Incident Energy (eV)

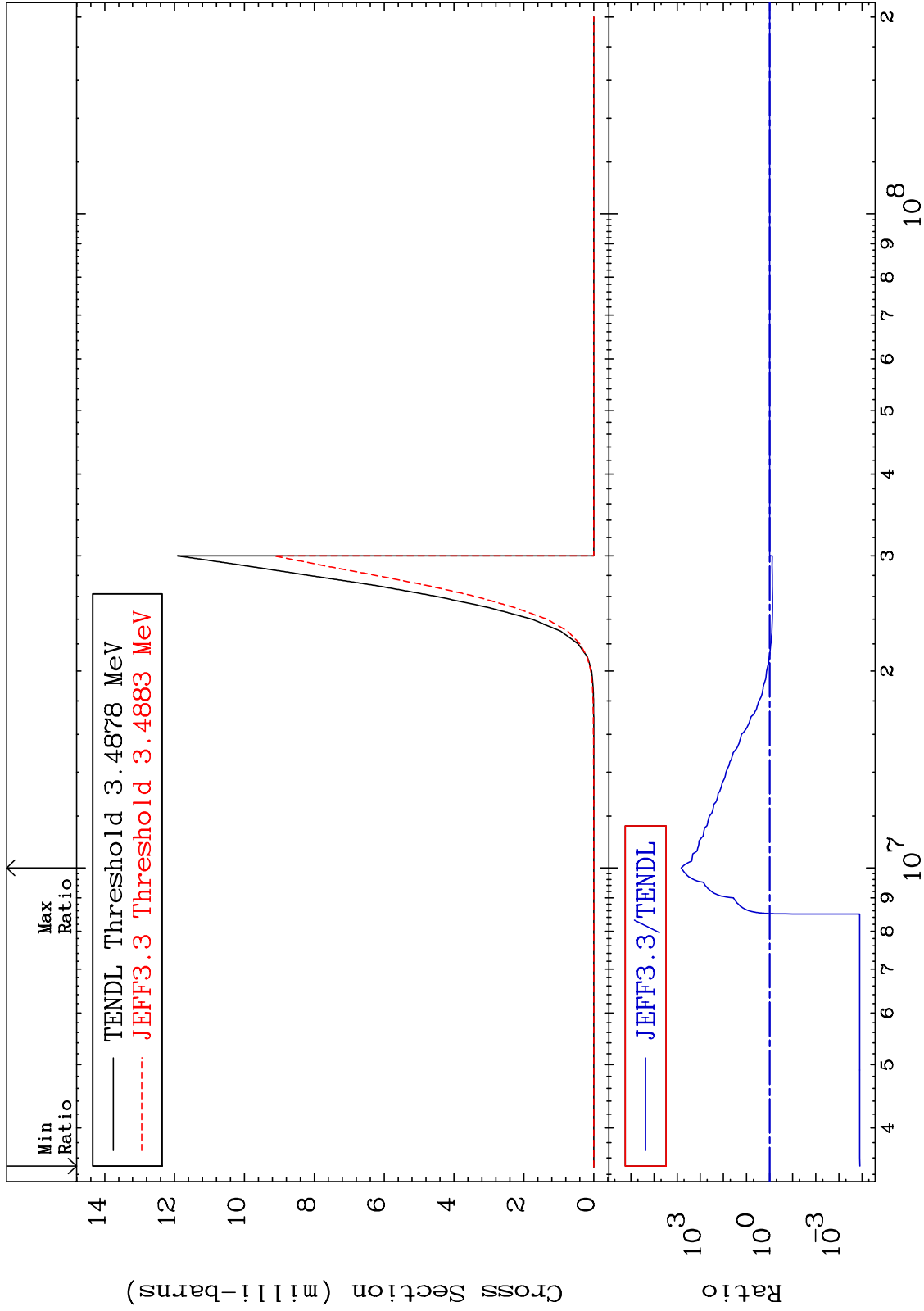
MAT 7634

(n,2n) α

76-0s-187

Cross Section

-99.99 To 9999. %



MAT 7634

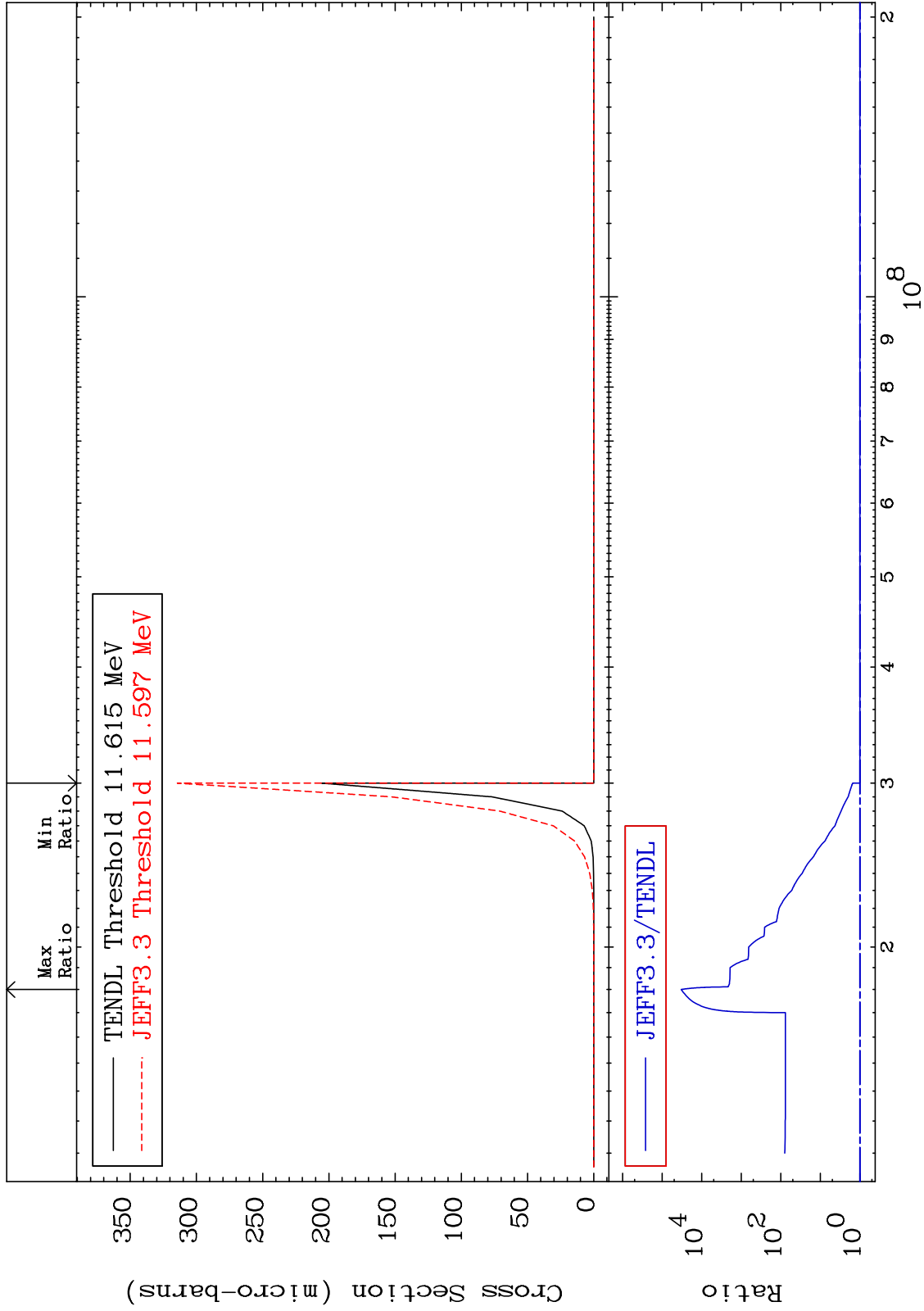
(n,3n) α

76-Os-187

Cross Section

0.000

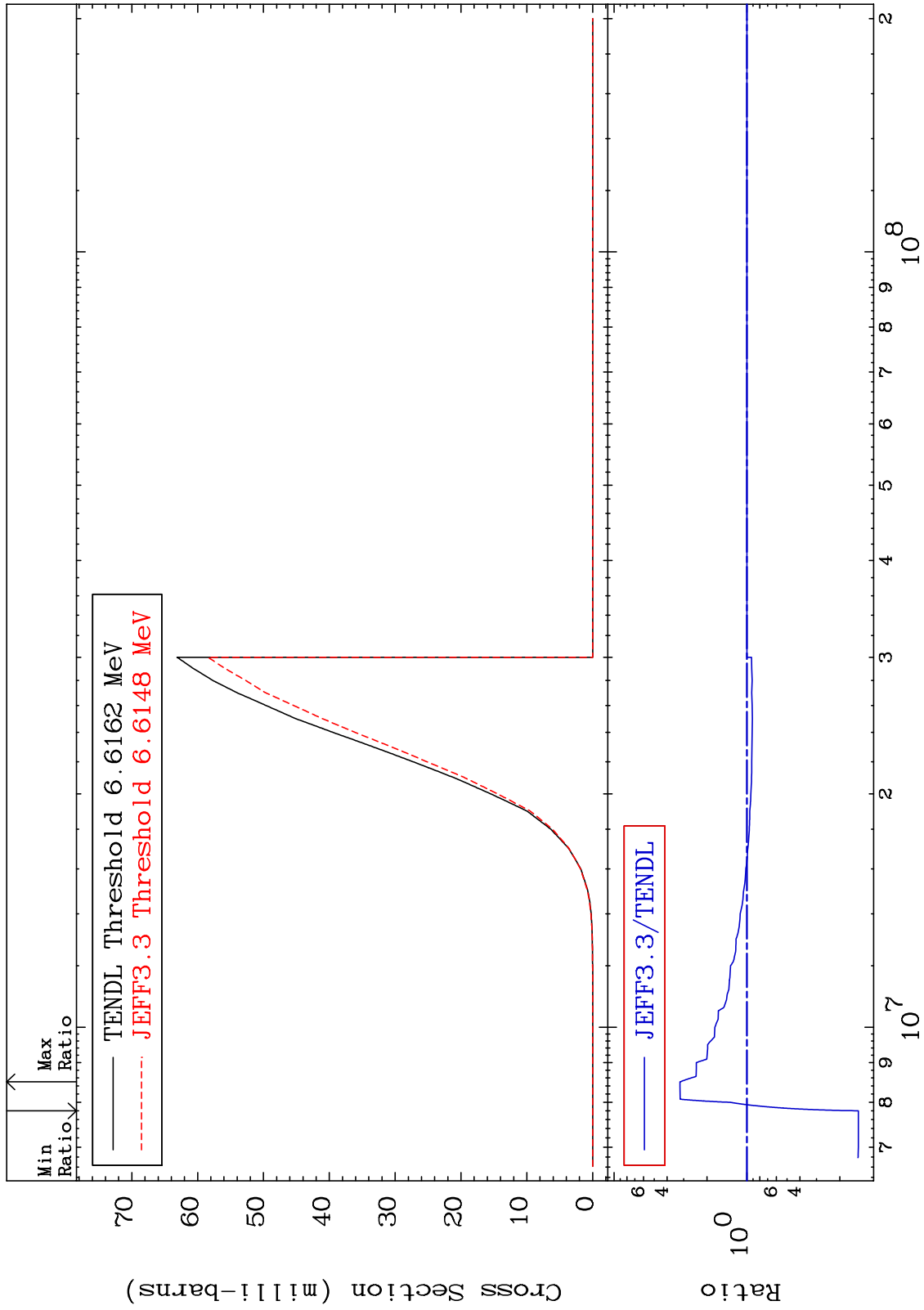
To 9999. %



MAT 7634

(n,n') p
Cross Section

76-0s-187
-85.52 To 219.2 %



10

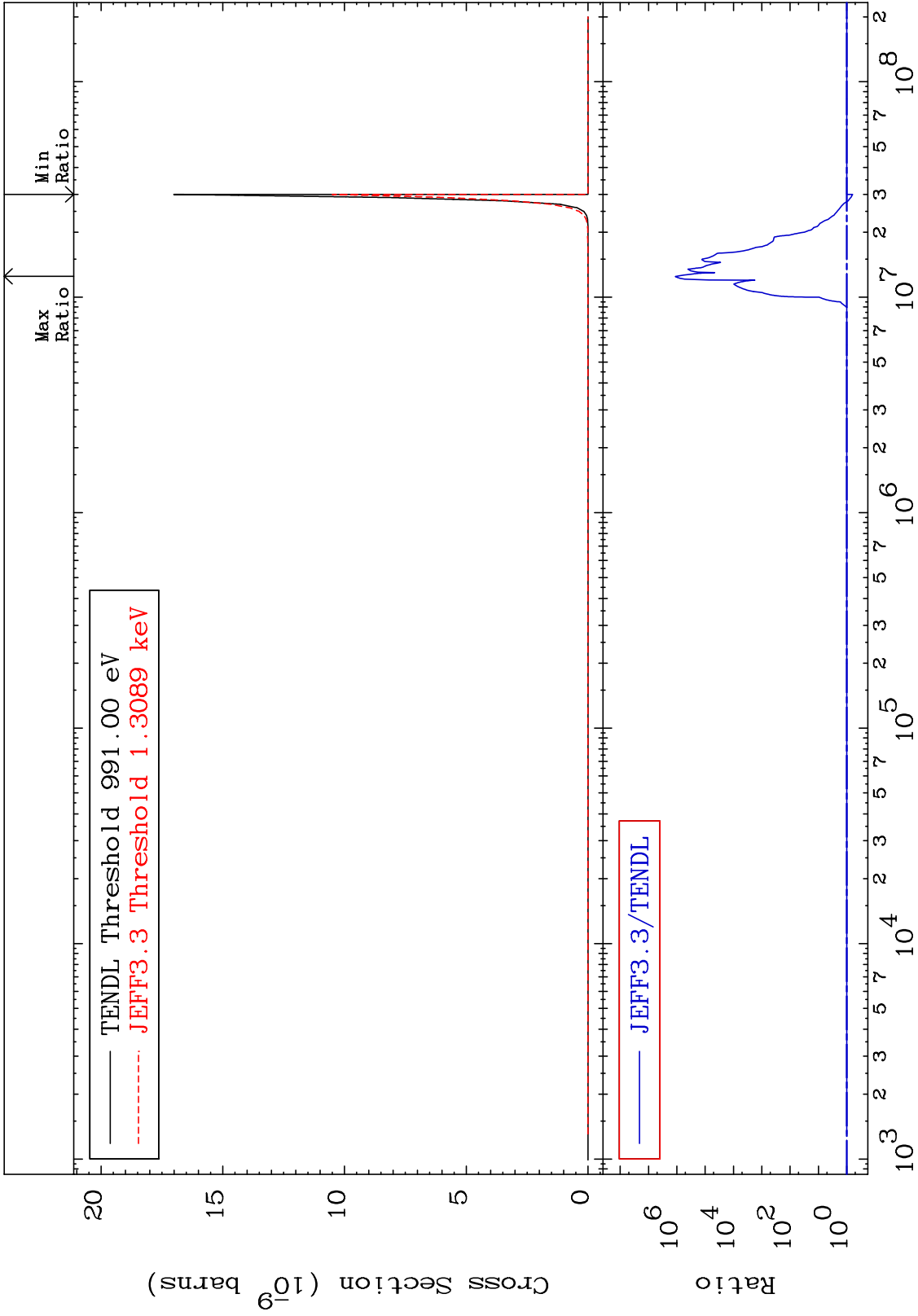
Incident Energy (eV)

76-0s-187

MAT 7634

(n, n') 2α
Cross Section

76-0s-187
-38.32 To 9999. %



11

Incident Energy (eV)

76-0s-187

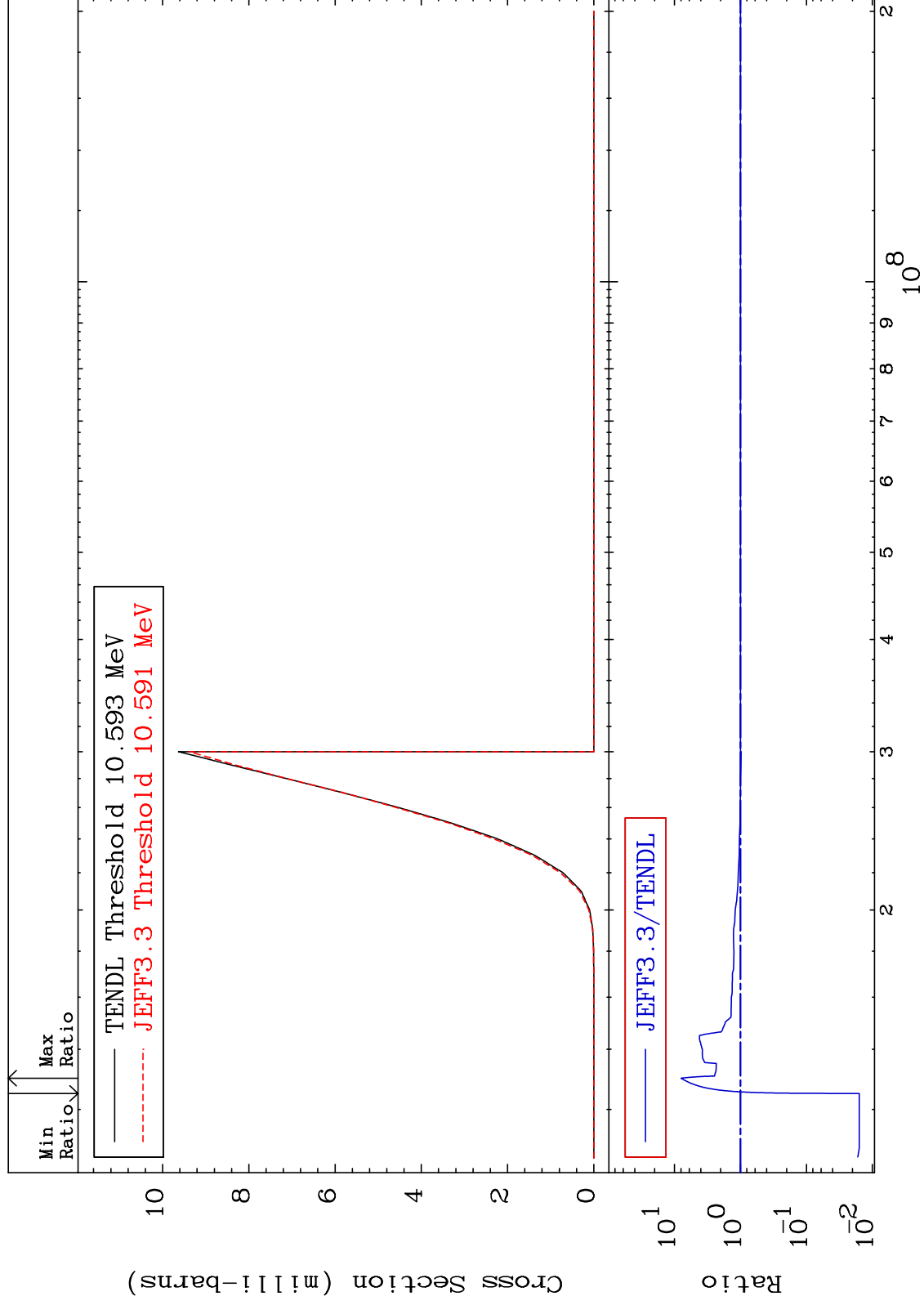
MAT 7634

(n, n') d

76-0s-187

Cross Section

-98.42 To 696.9 %



MAT 7634

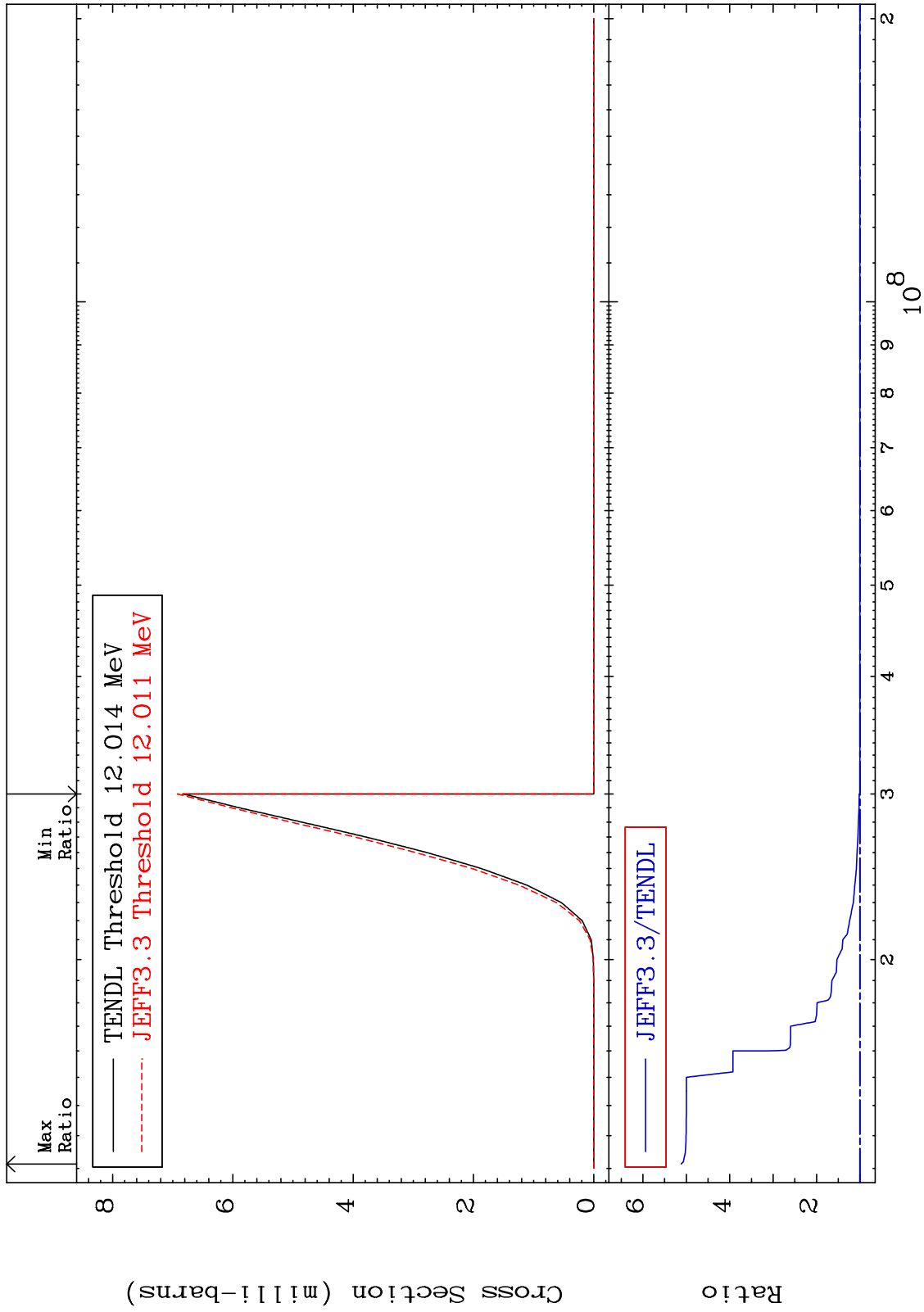
(n,n') t

76-0s-187

Cross Section

0.000

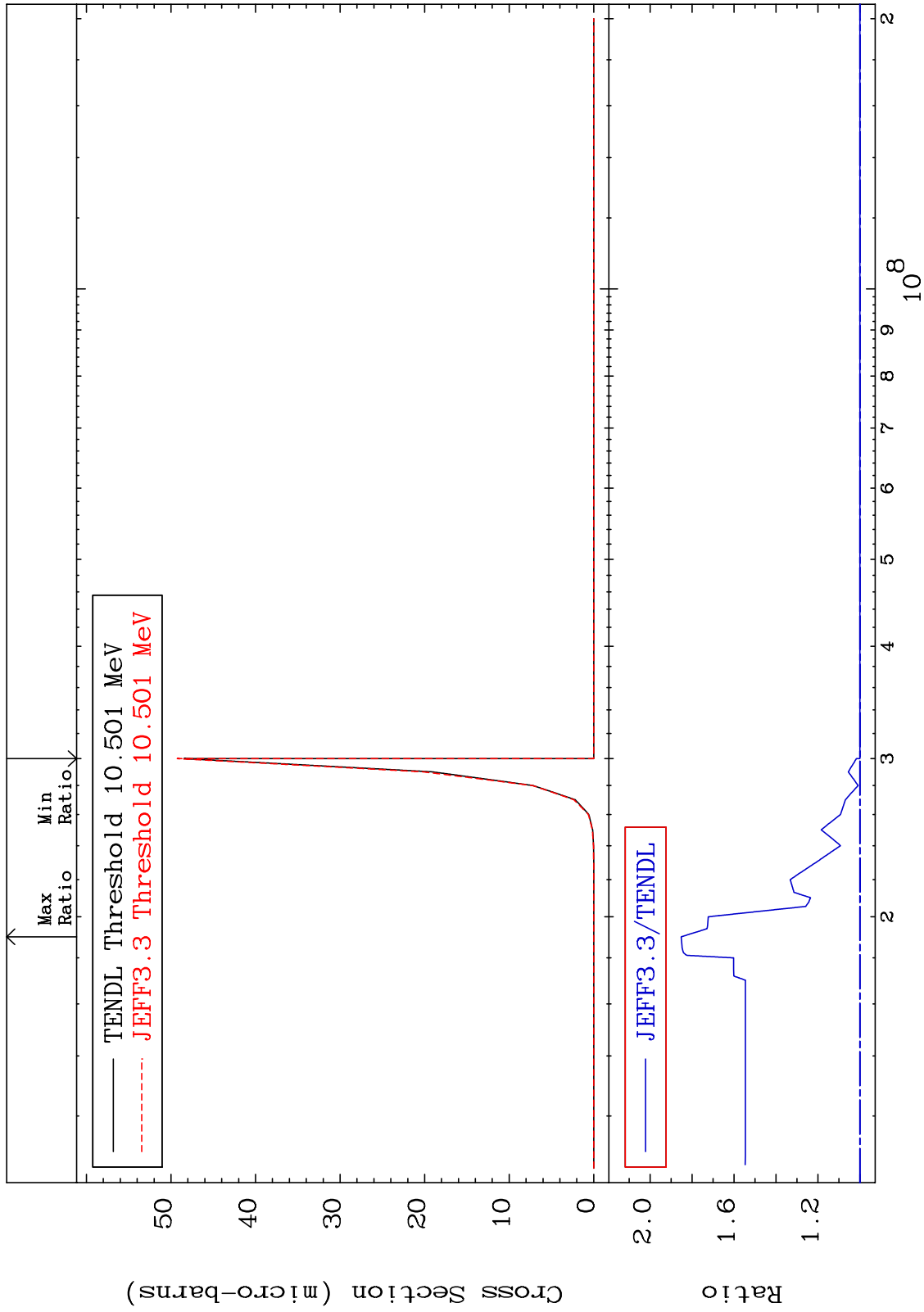
To 411.8 %



MAT 7634

(n, n') He-3
Cross Section

76-0s-187
0.000 To 85.18 %



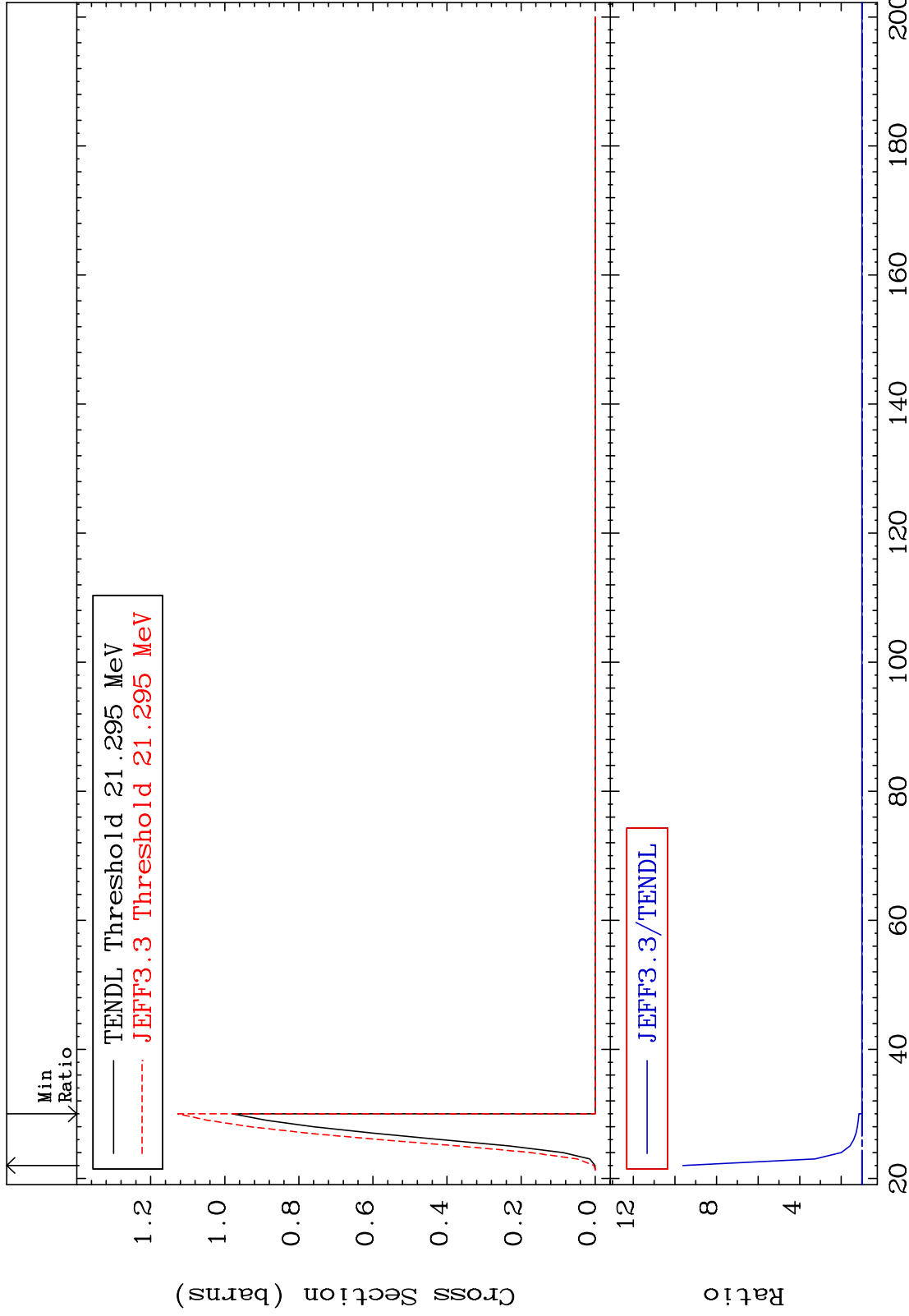
MAT 7634

(n, 4n)

76-0s-187

Cross Section

0.000 To 861.9 %



76-0s-187

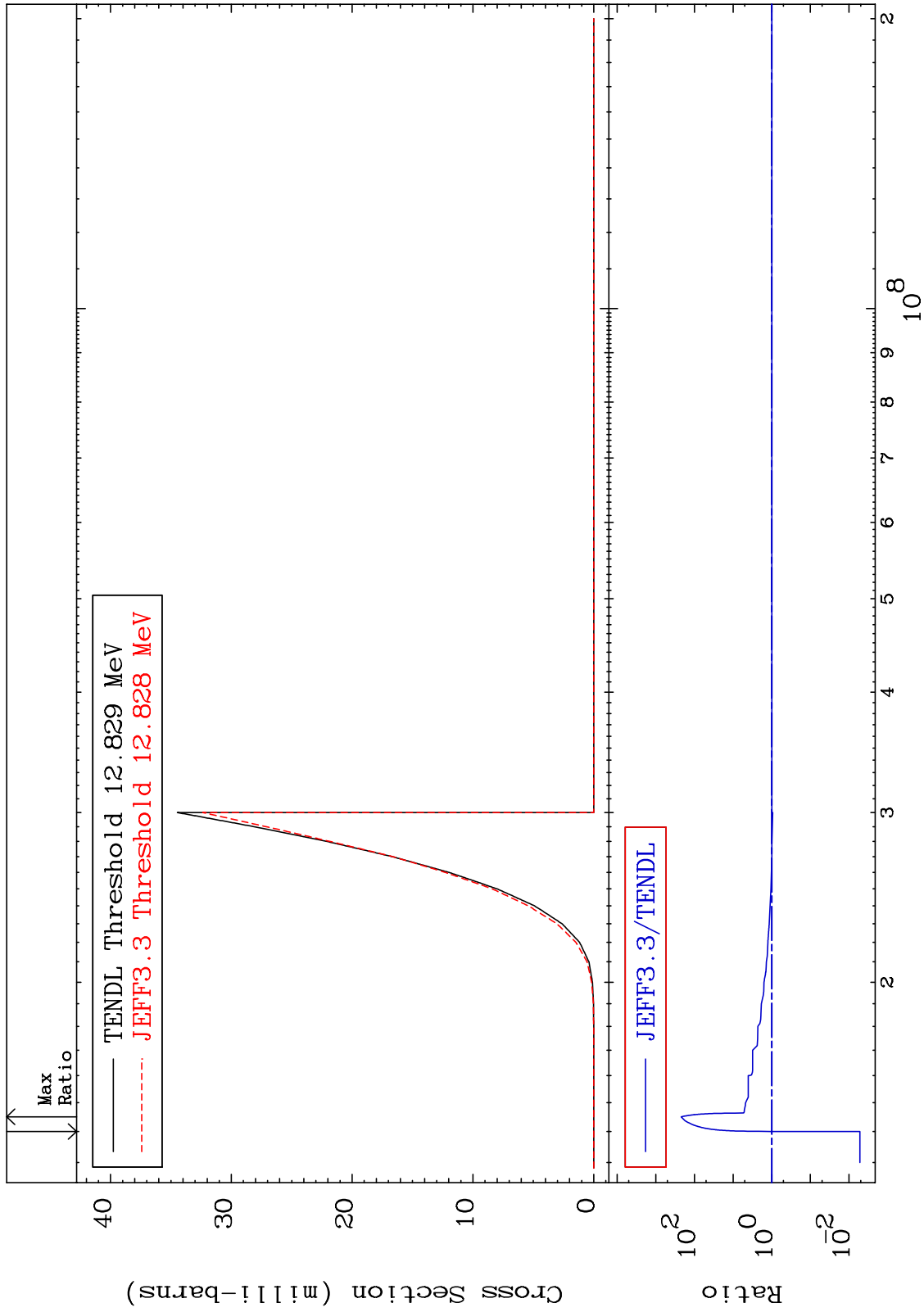
Incident Energy (MeV)

15

MAT 7634

(n,2n) p
Cross Section

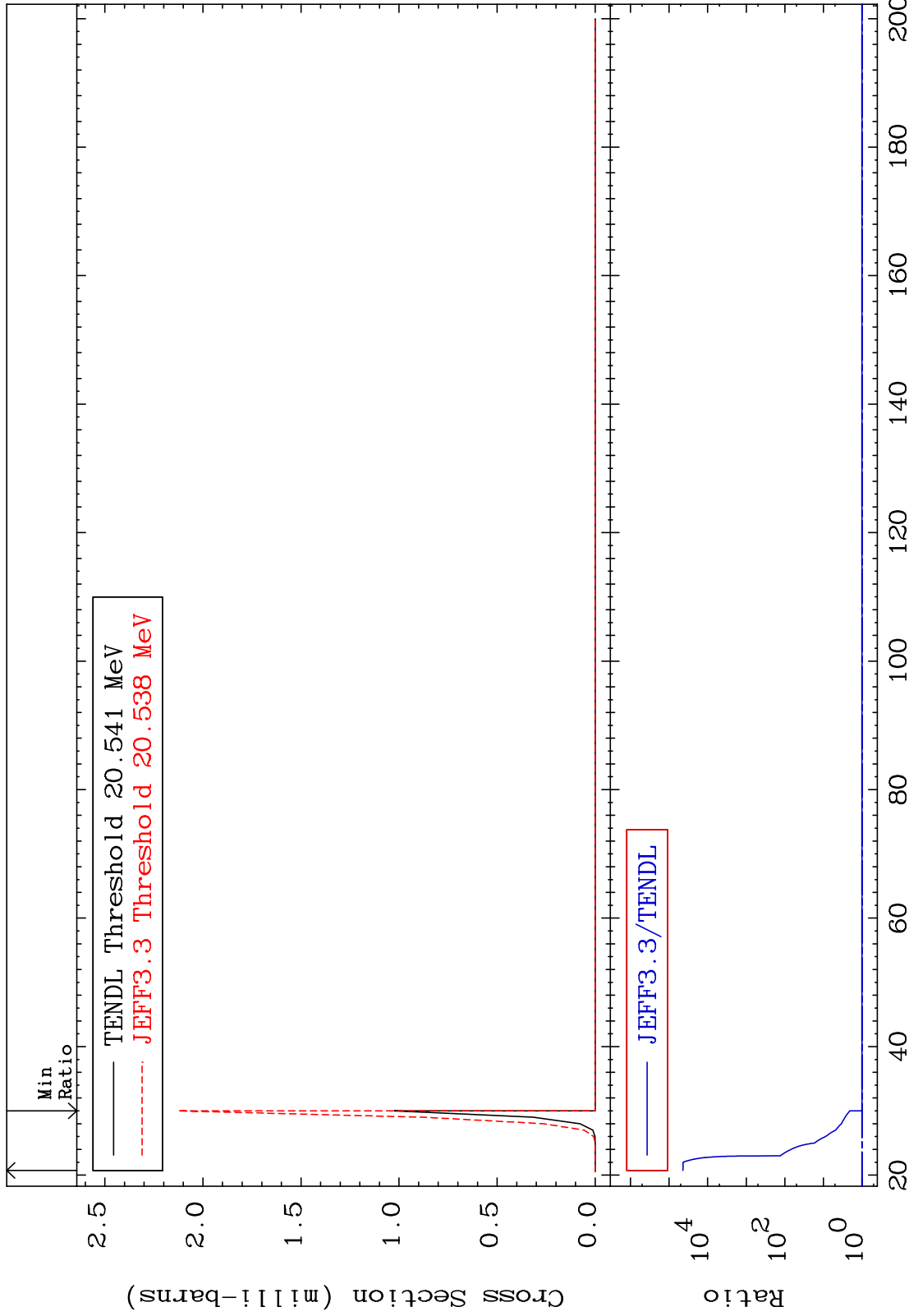
76-0s-187
-99.48 To 9999. %



MAT 7634

(n,3n) p
Cross Section

76-0s-187
0.000 To 9999. %

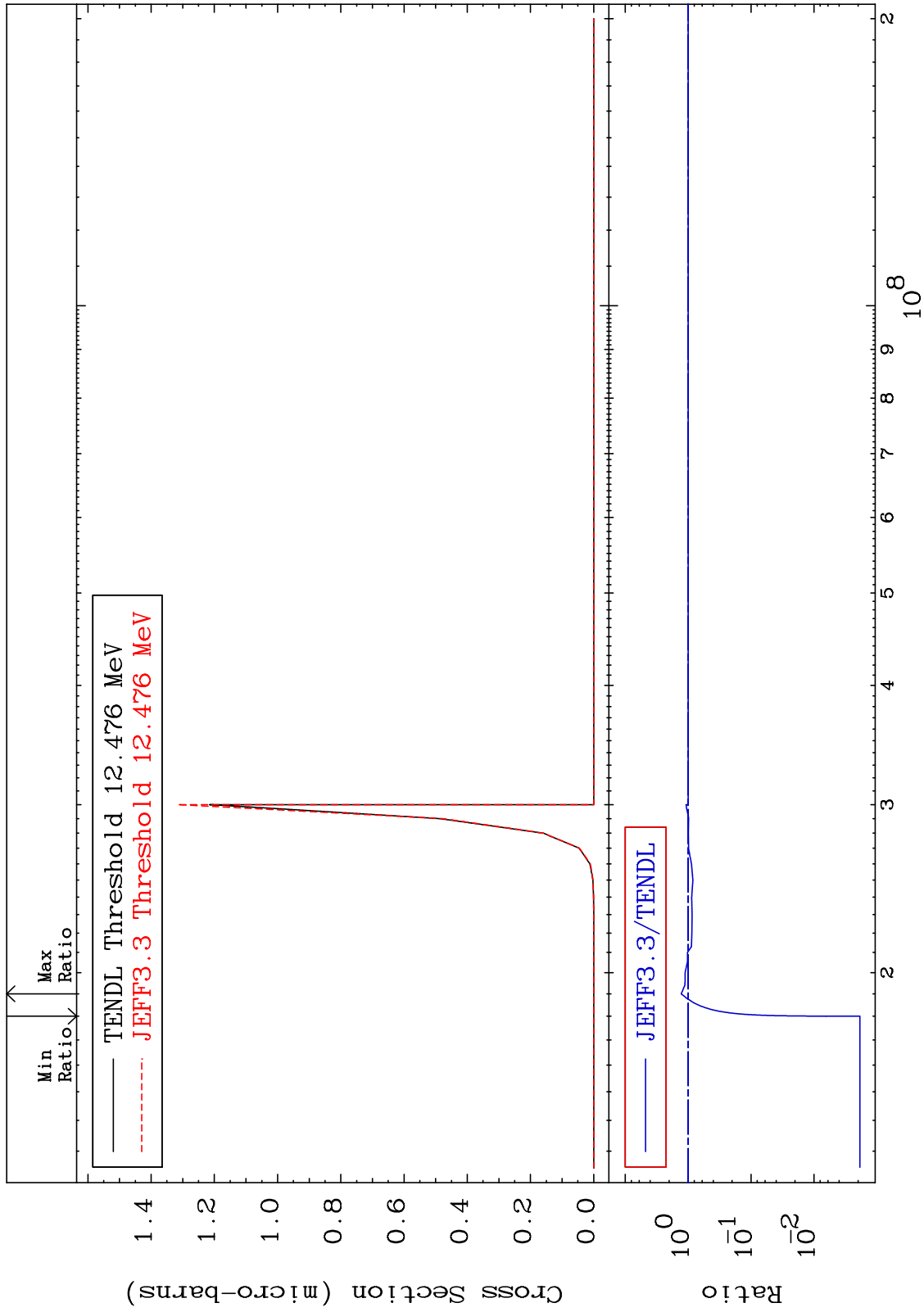


76-0s-187

MAT 7634

(n,2n) p
Cross Section

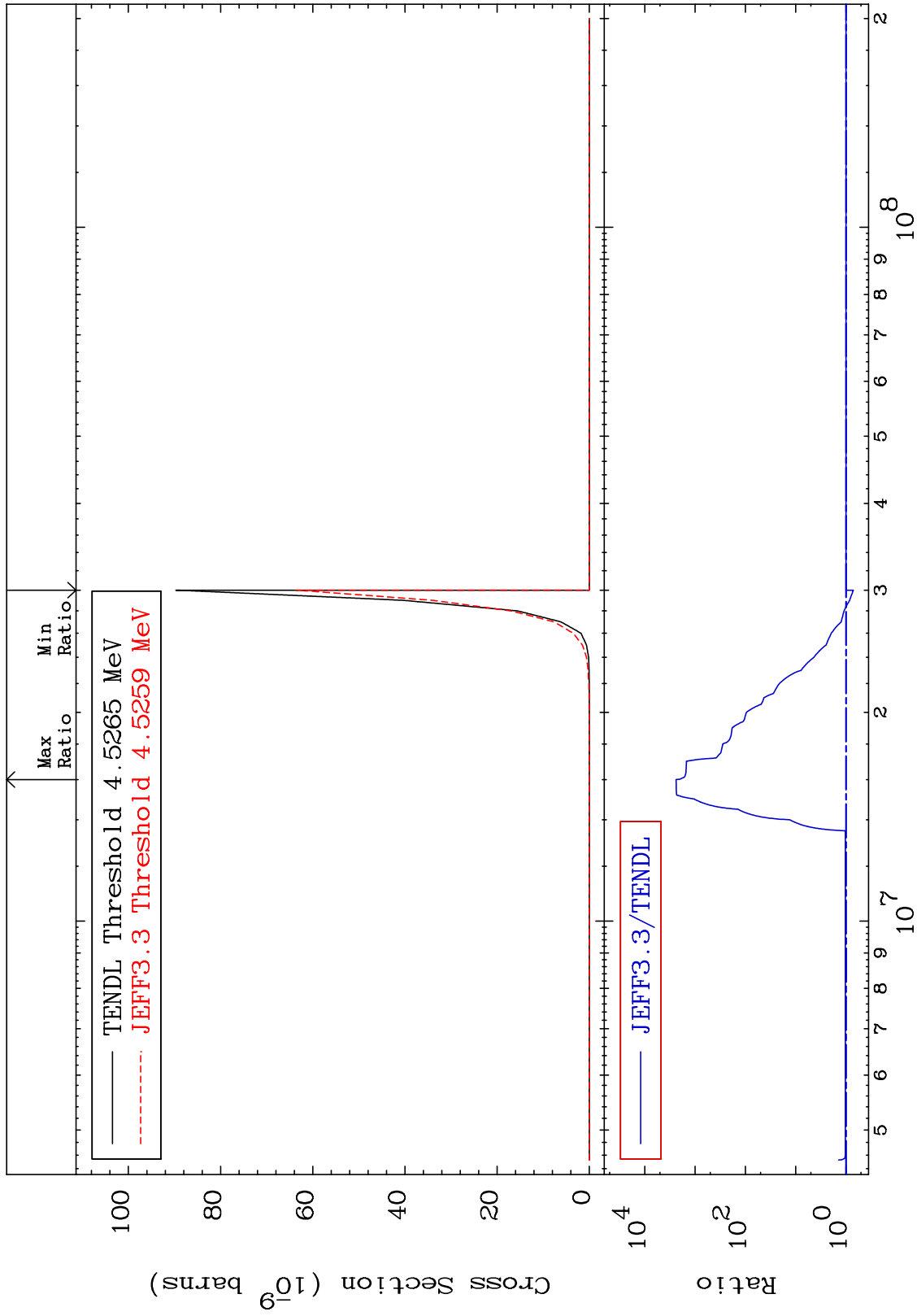
76-0s-187
-99.81 To 28.77 %



MAT 7634

(n,n') p α
Cross Section

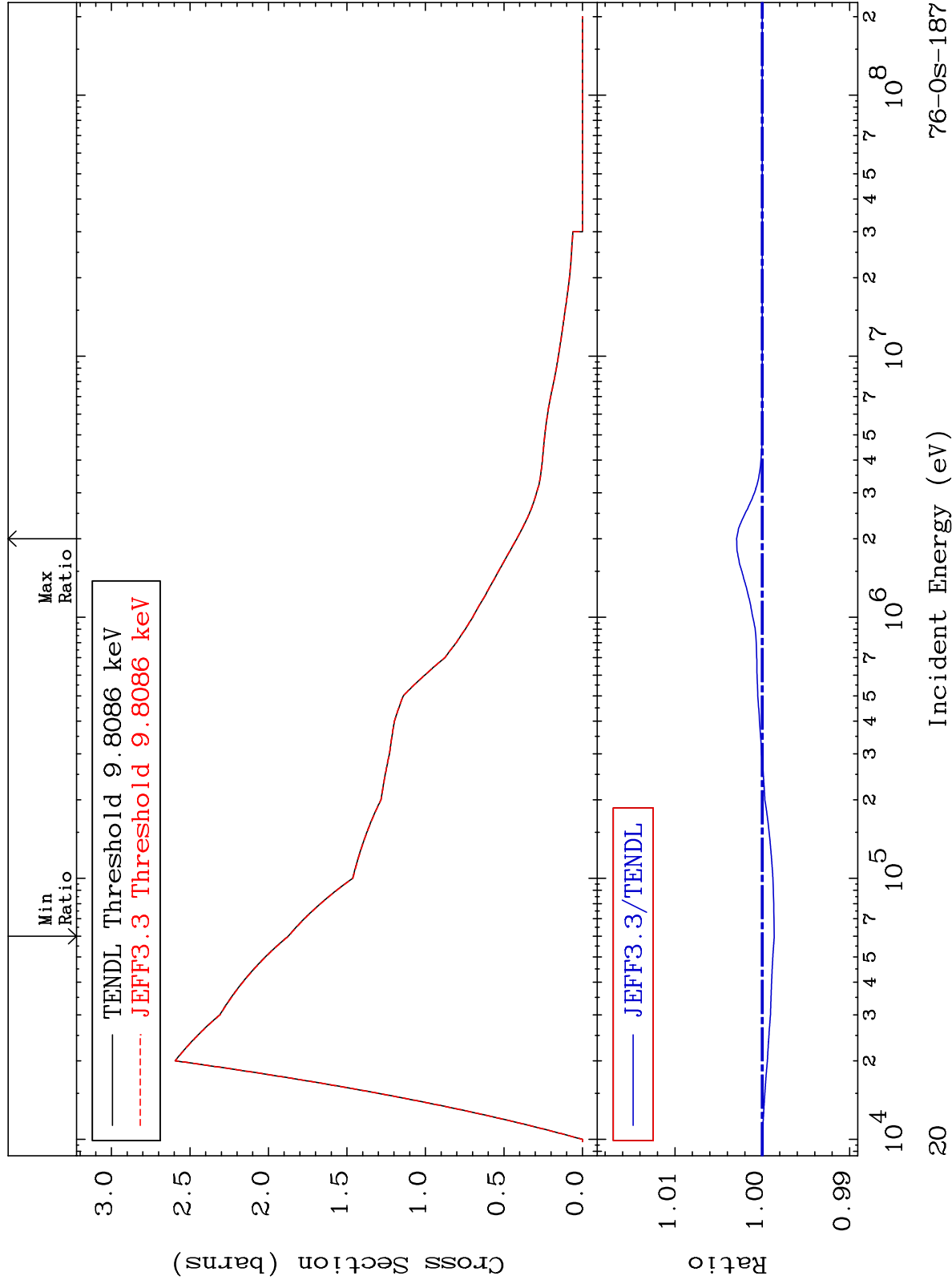
76-0s-187
-29.10 To 9999. %



MAT 7634

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

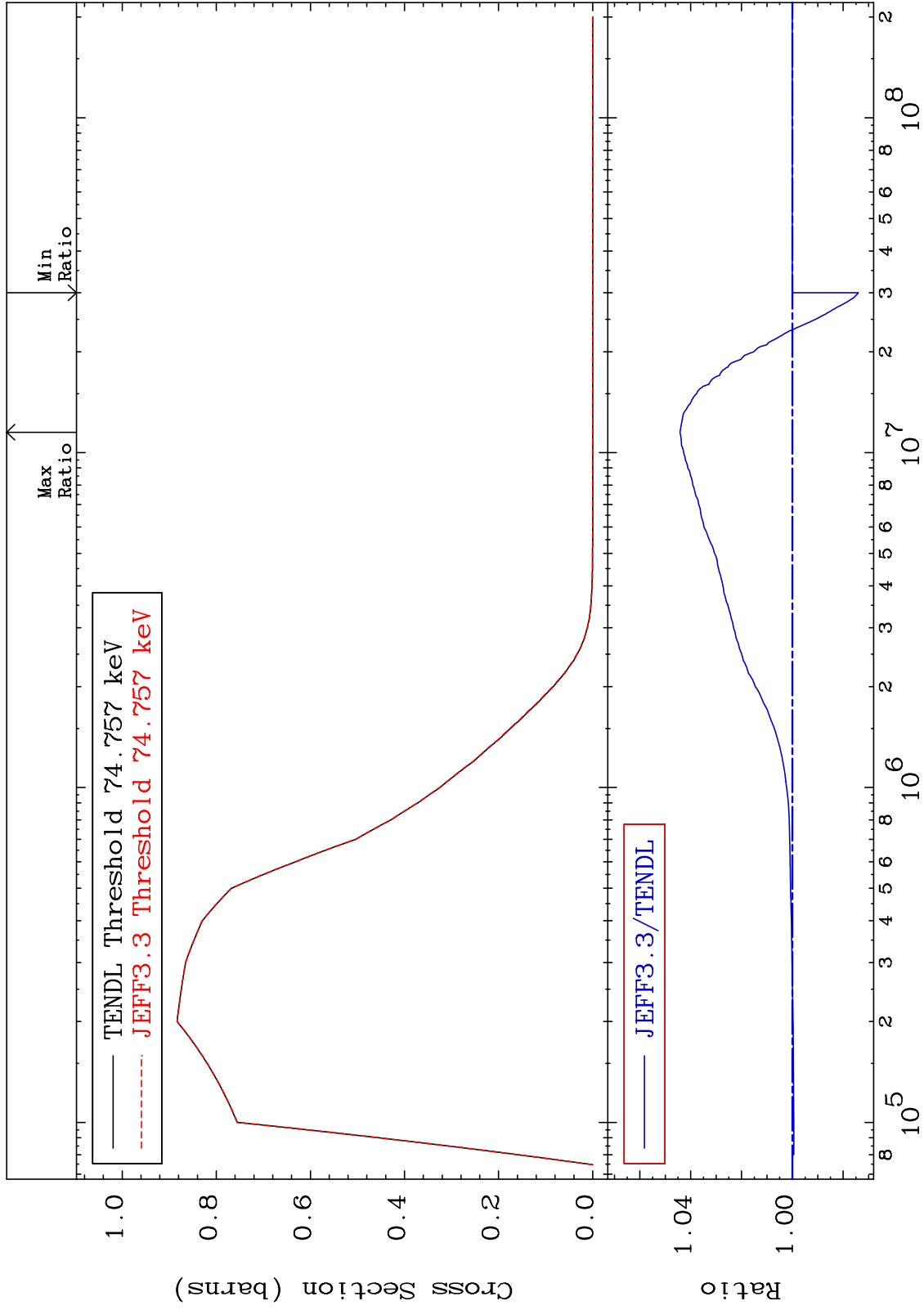
76-0s-187
-0.137 To 0.294 %



MAT 7634

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

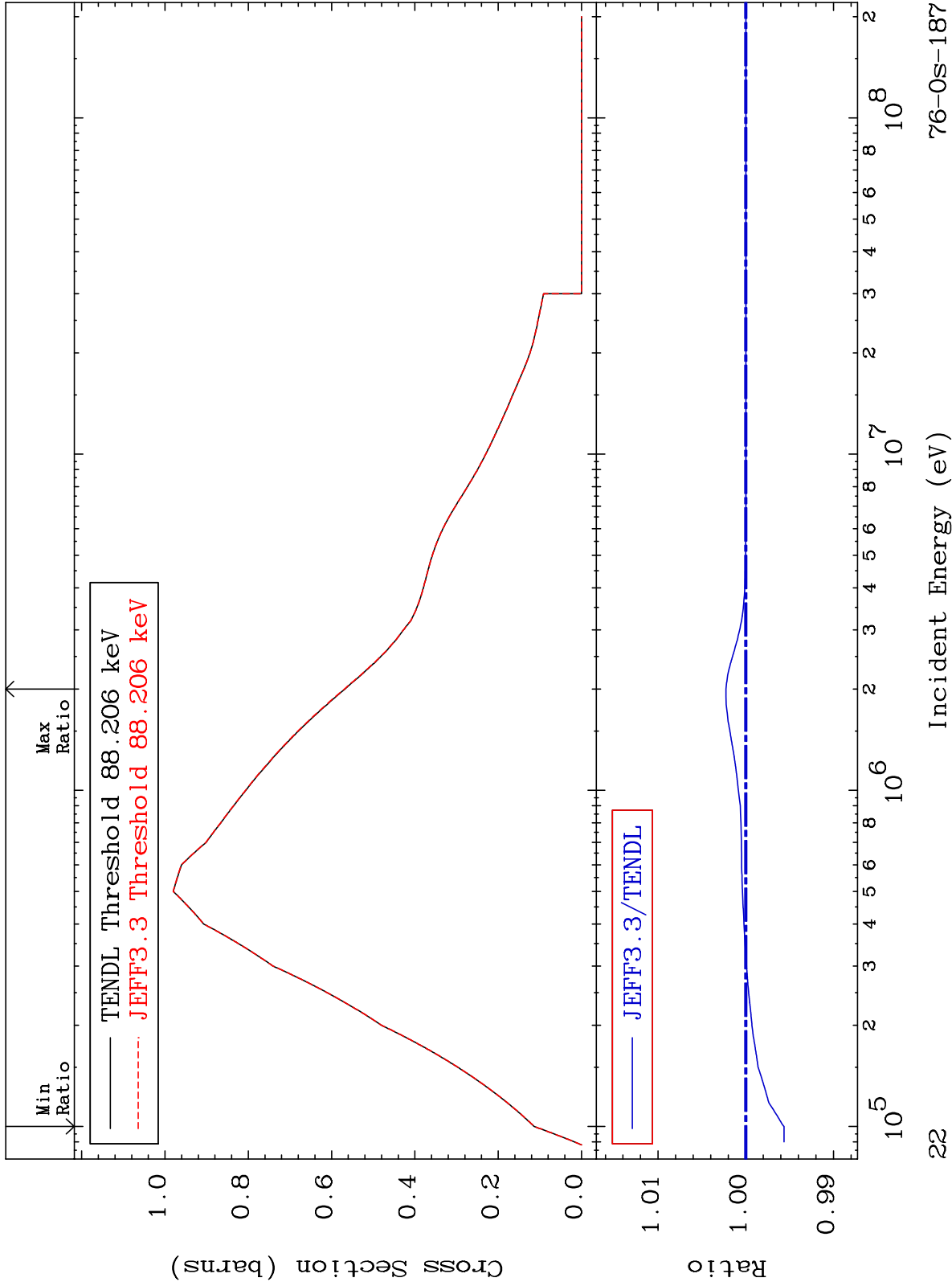
76-0s-187
-2.600 To 4.422 %



MAT 7634

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

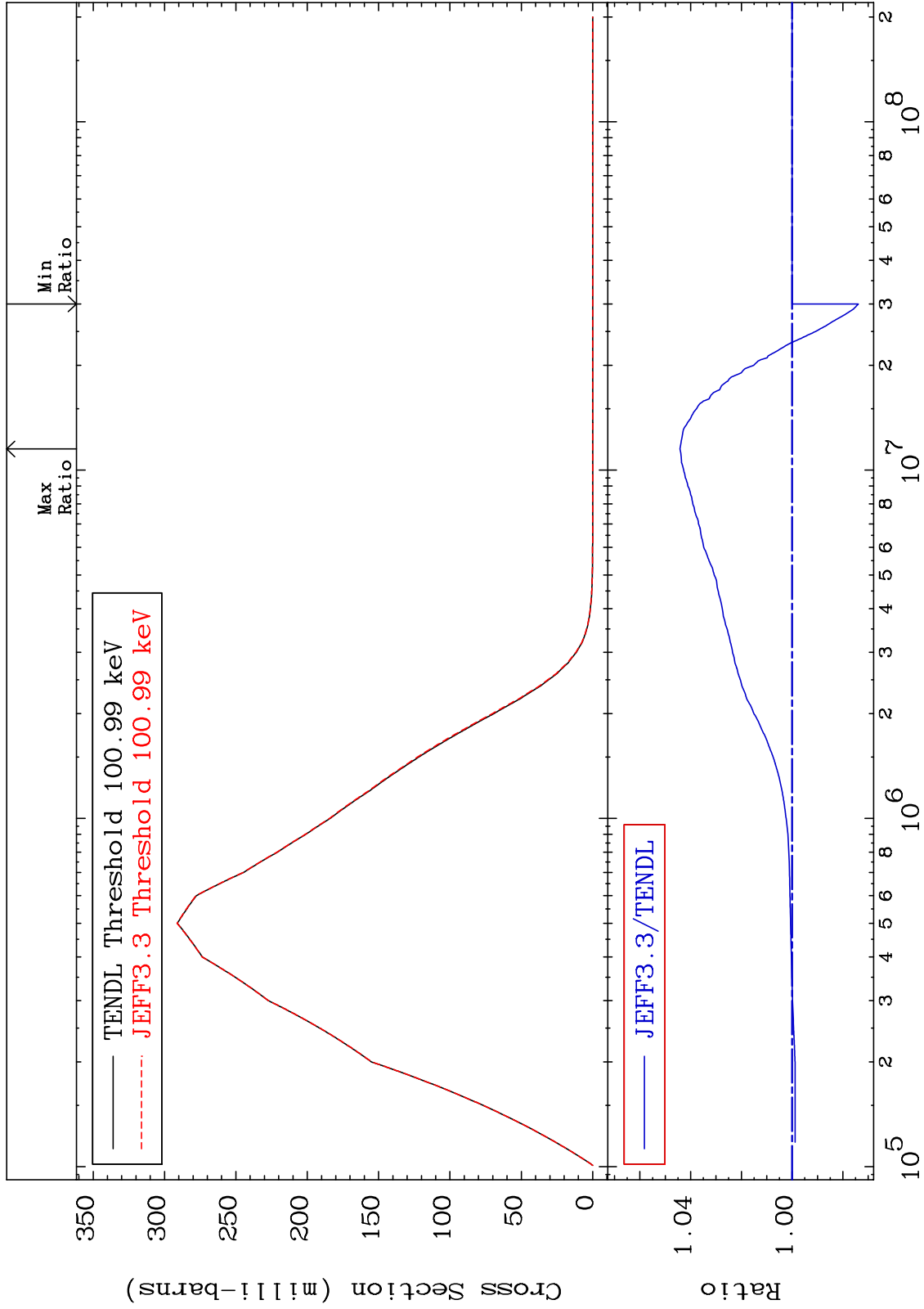
76-0s-187
-0.435 To 0.227 %



MAT 7634

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

76-0s-187
-2.613 To 4.419 %



23

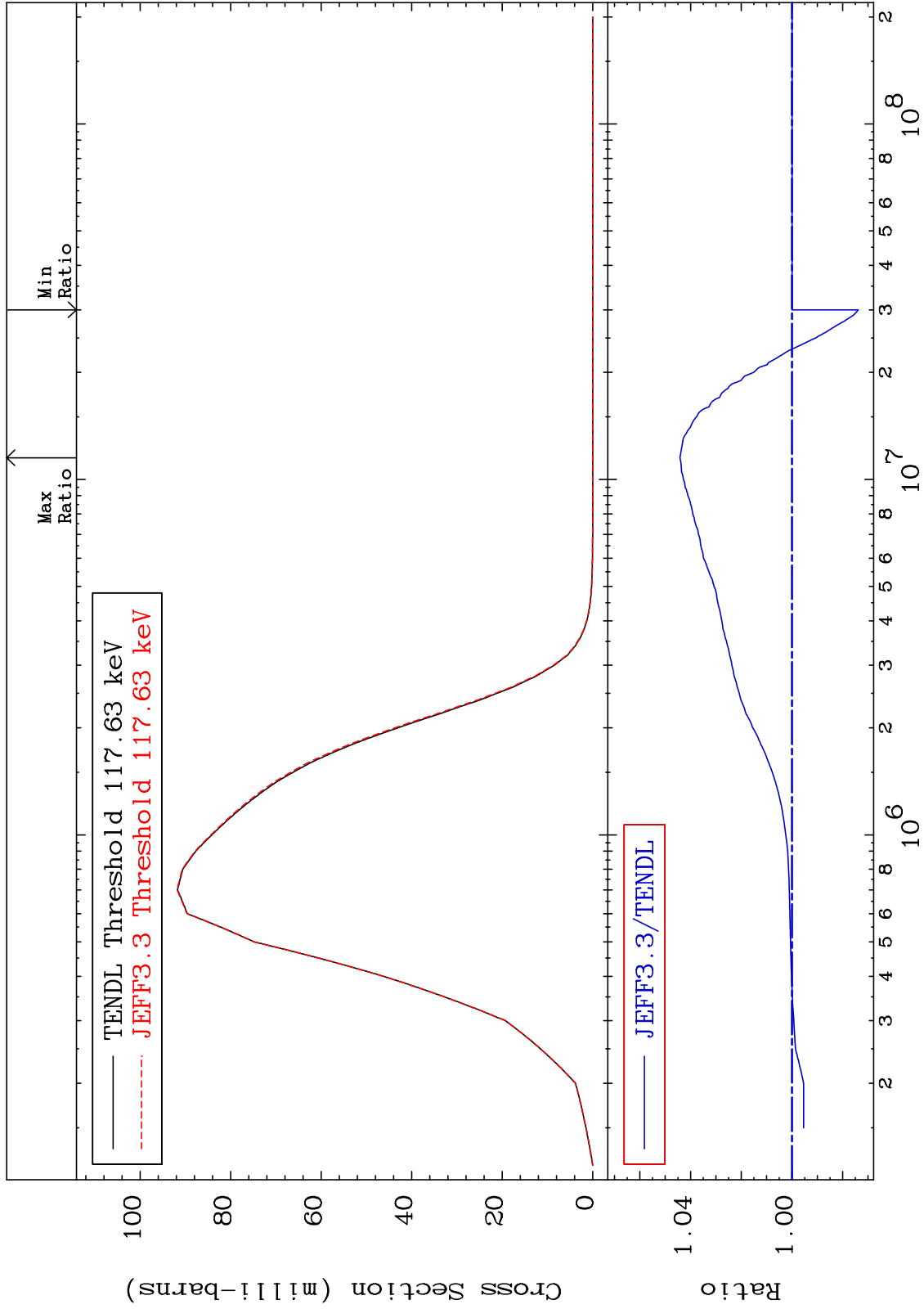
Incident Energy (eV)

76-0s-187

MAT 7634

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

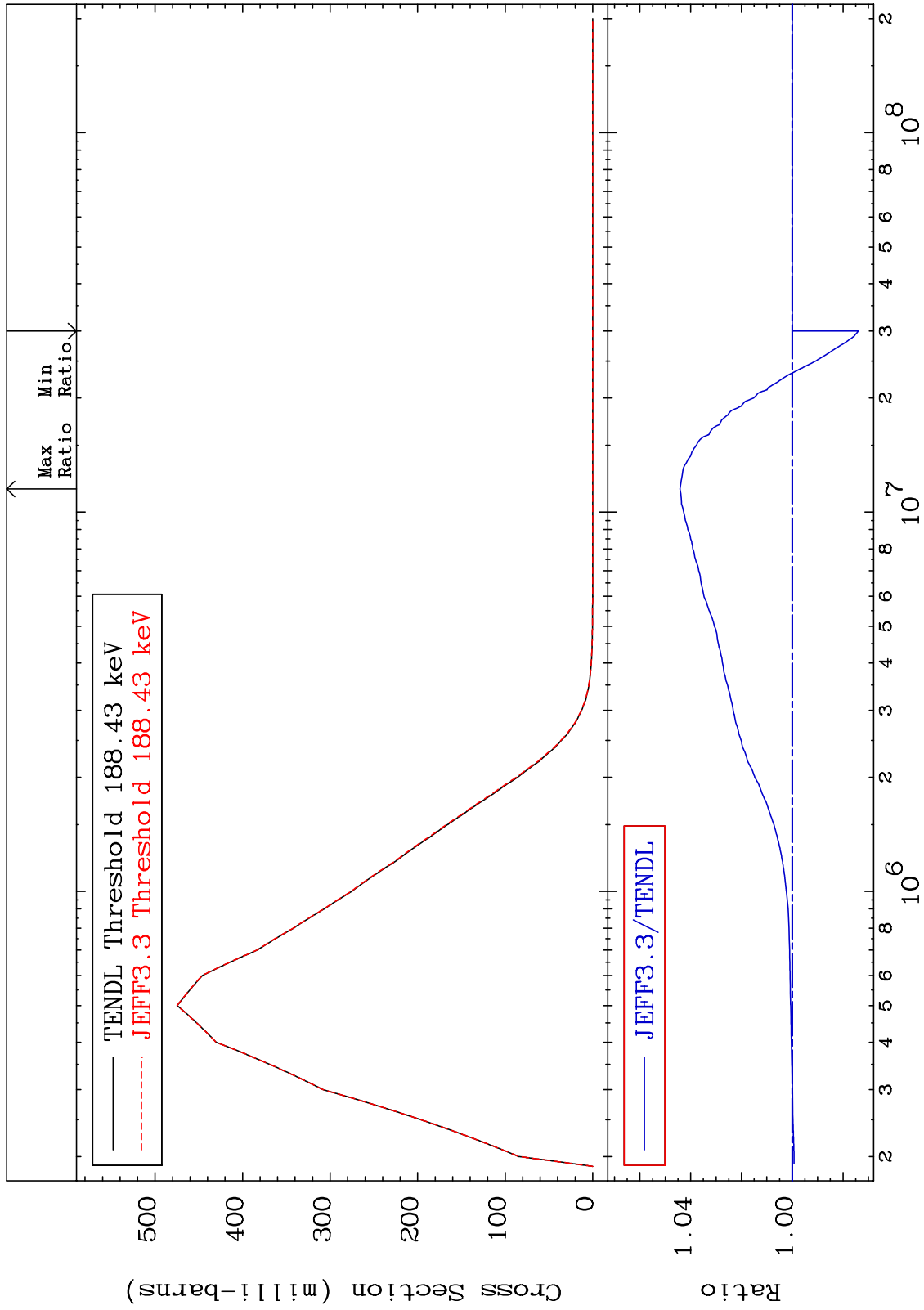
76-0s-187
-2.621 To 4.416 %



MAT 7634

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

76-0s-187
-2.606 To 4.420 %



25

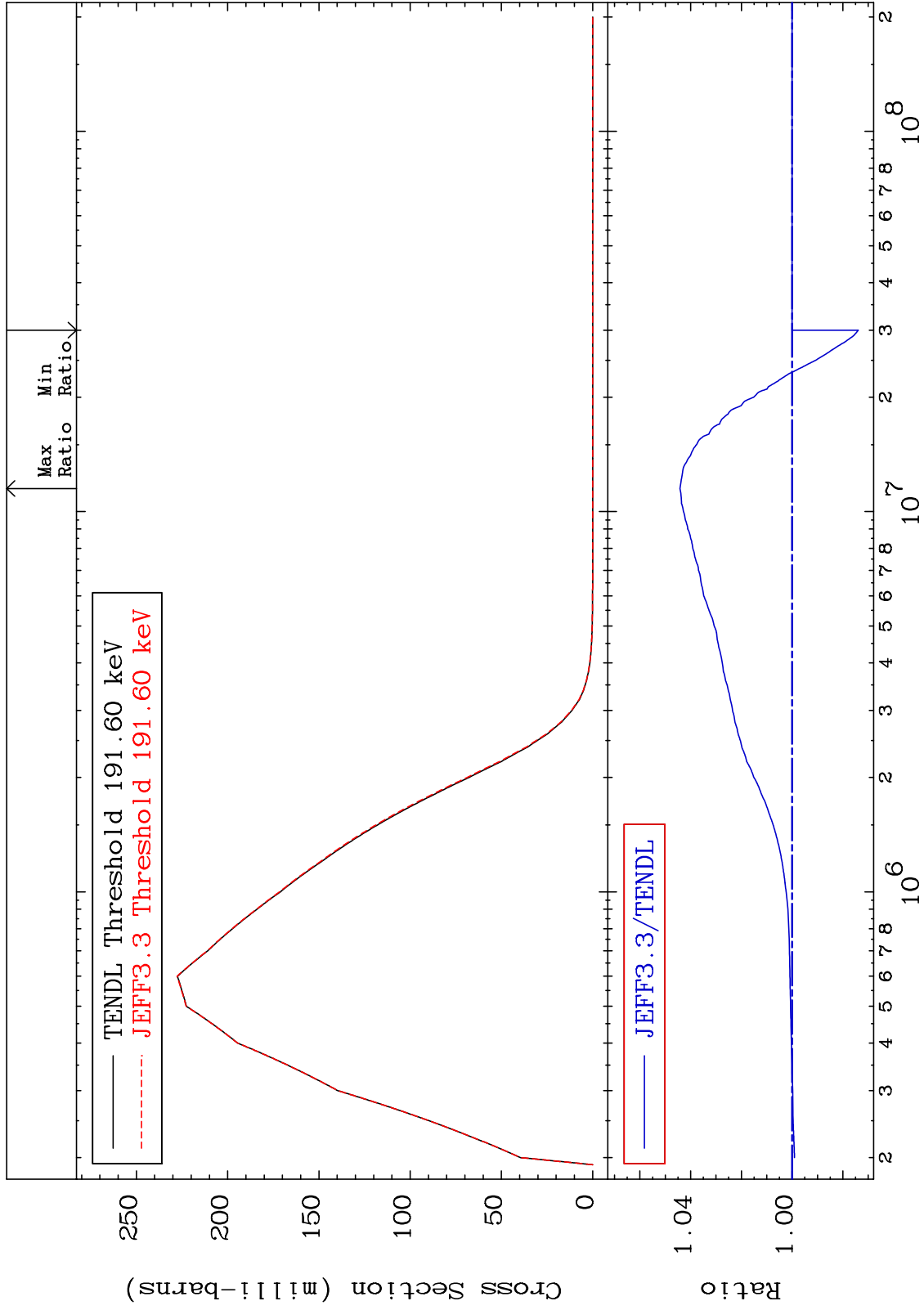
Incident Energy (eV)

76-0s-187

MAT 7634

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

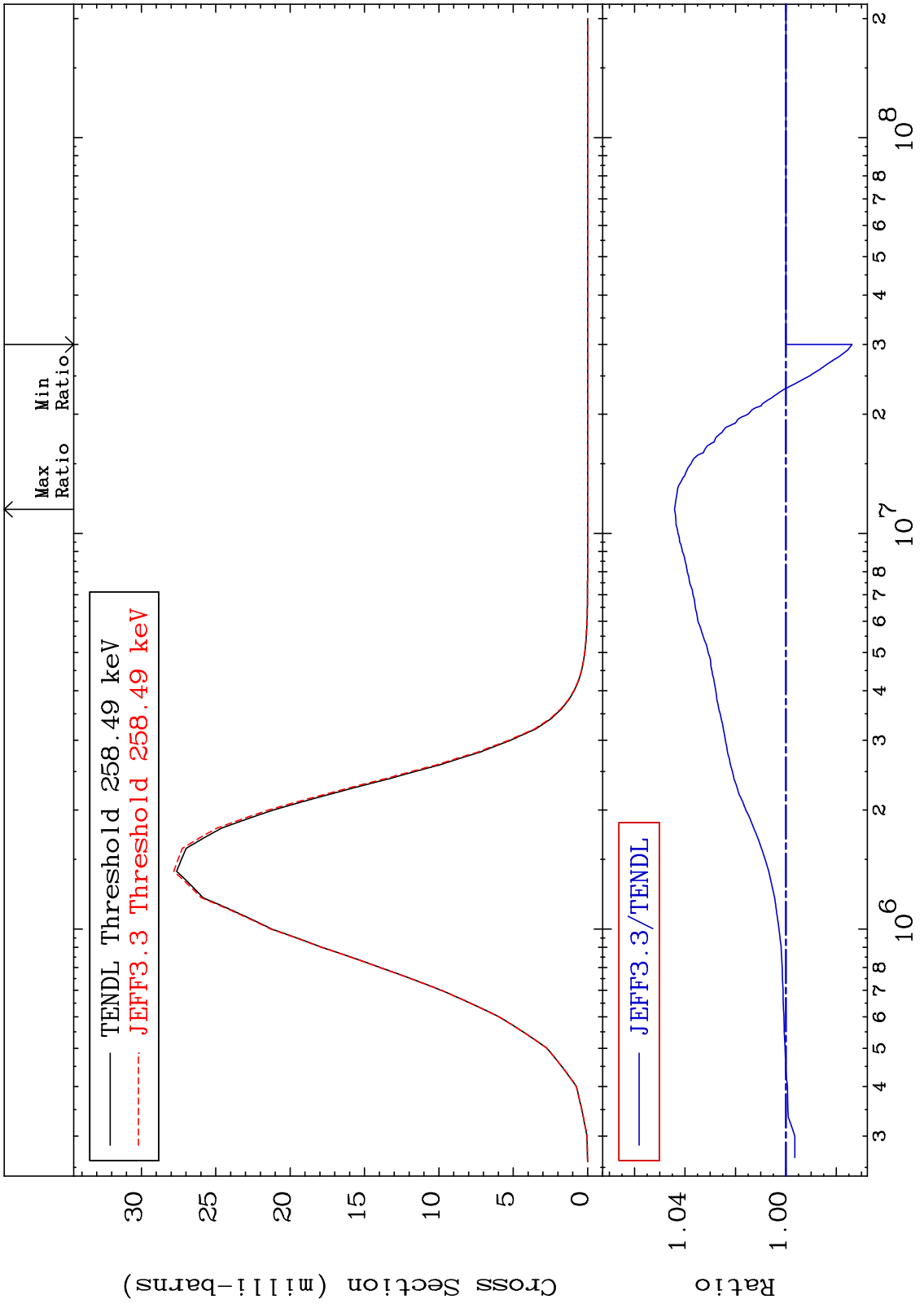
76-0s-187
-2.613 To 4.419 %



MAT 7634

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

76-0s-187
-2.630 To 4.413 %



27

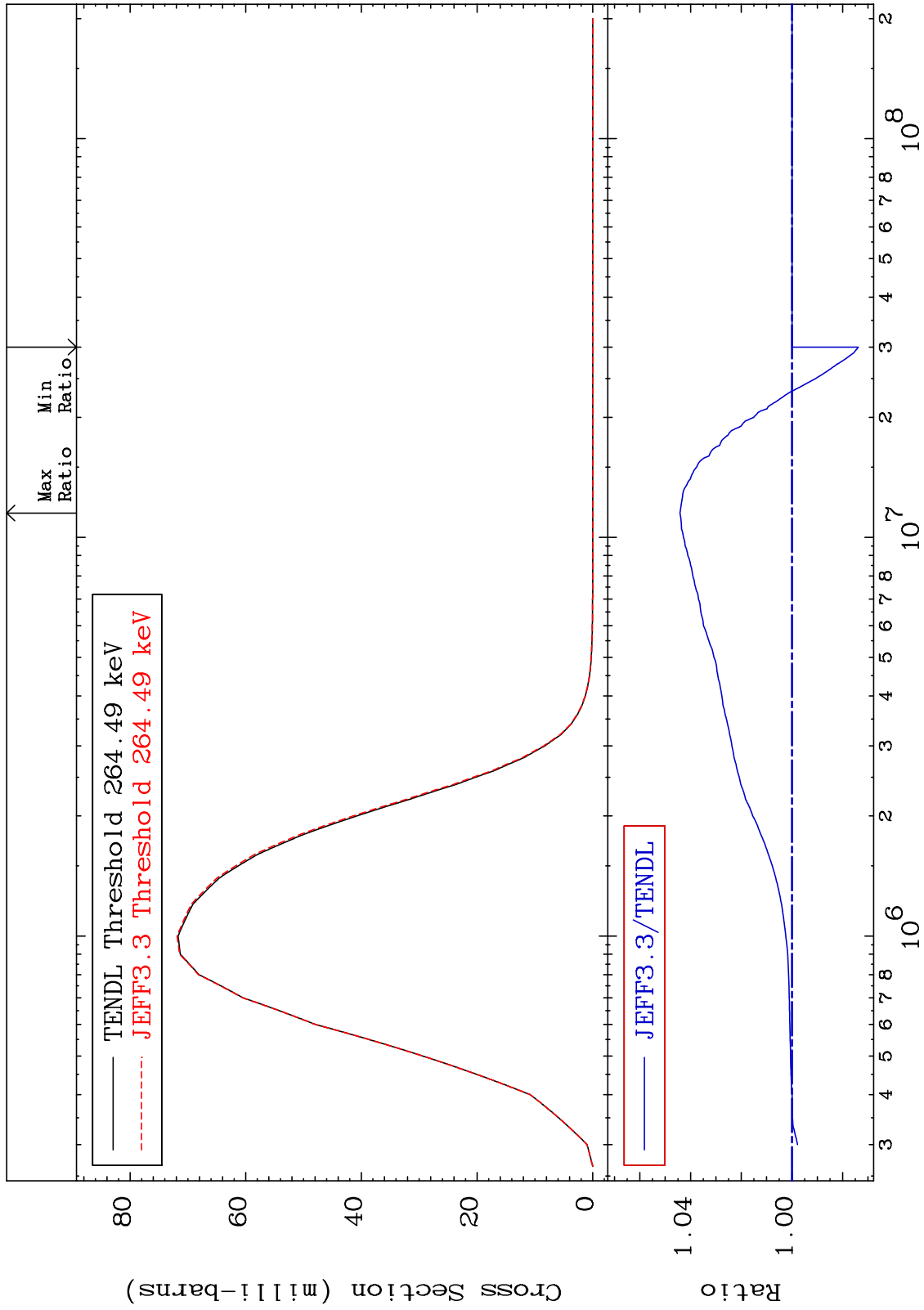
Incident Energy (eV)

76-0s-187

MAT 7634

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

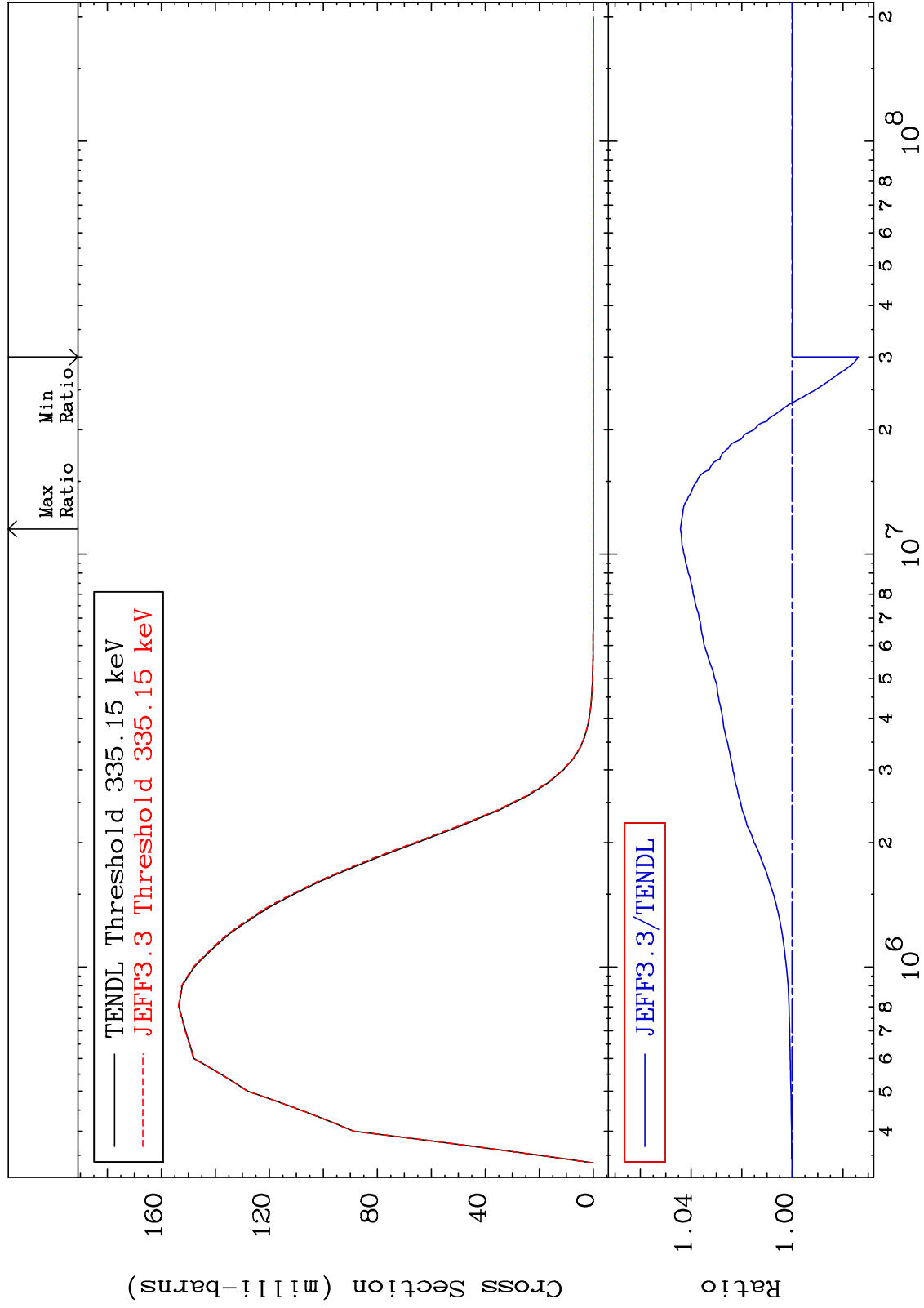
76-0s-187
-2.621 To 4.416 %



MAT 7634

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

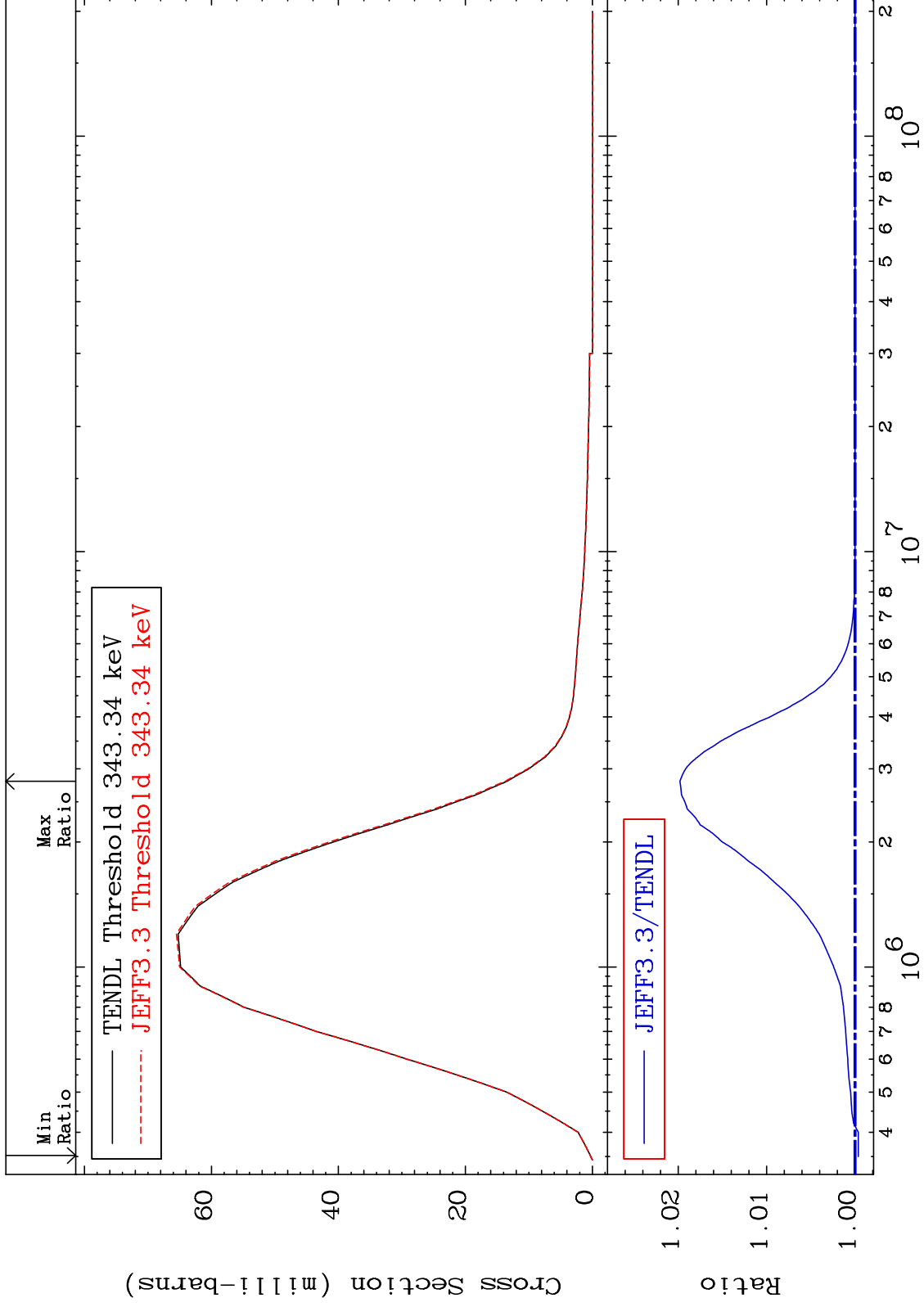
76-0s-187
-2.612 To 4.419 %



MAT 7634

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

76-0s-187
-0.036 To 1.981 %



30

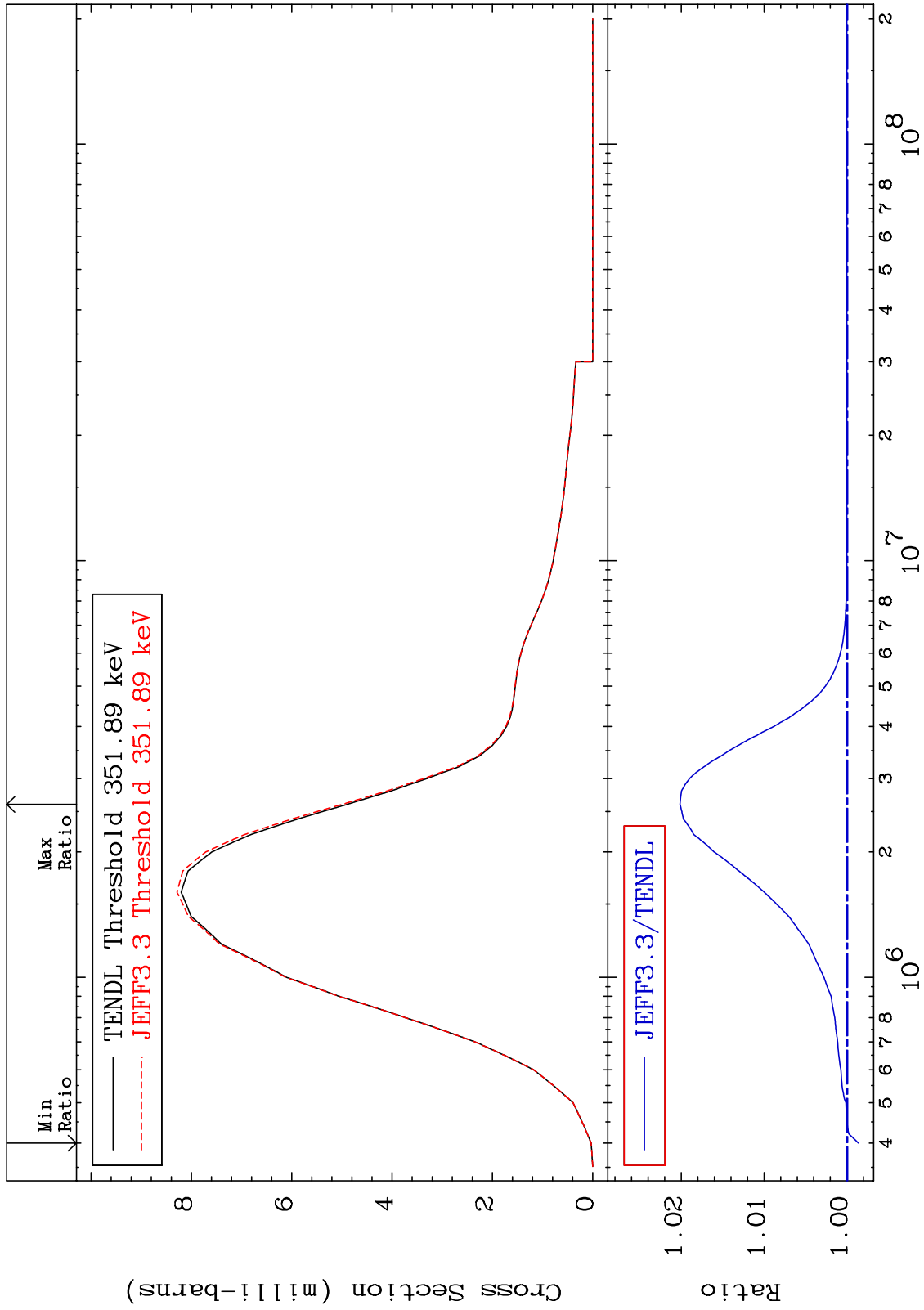
Incident Energy (eV)

76-0s-187

MAT 7634

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

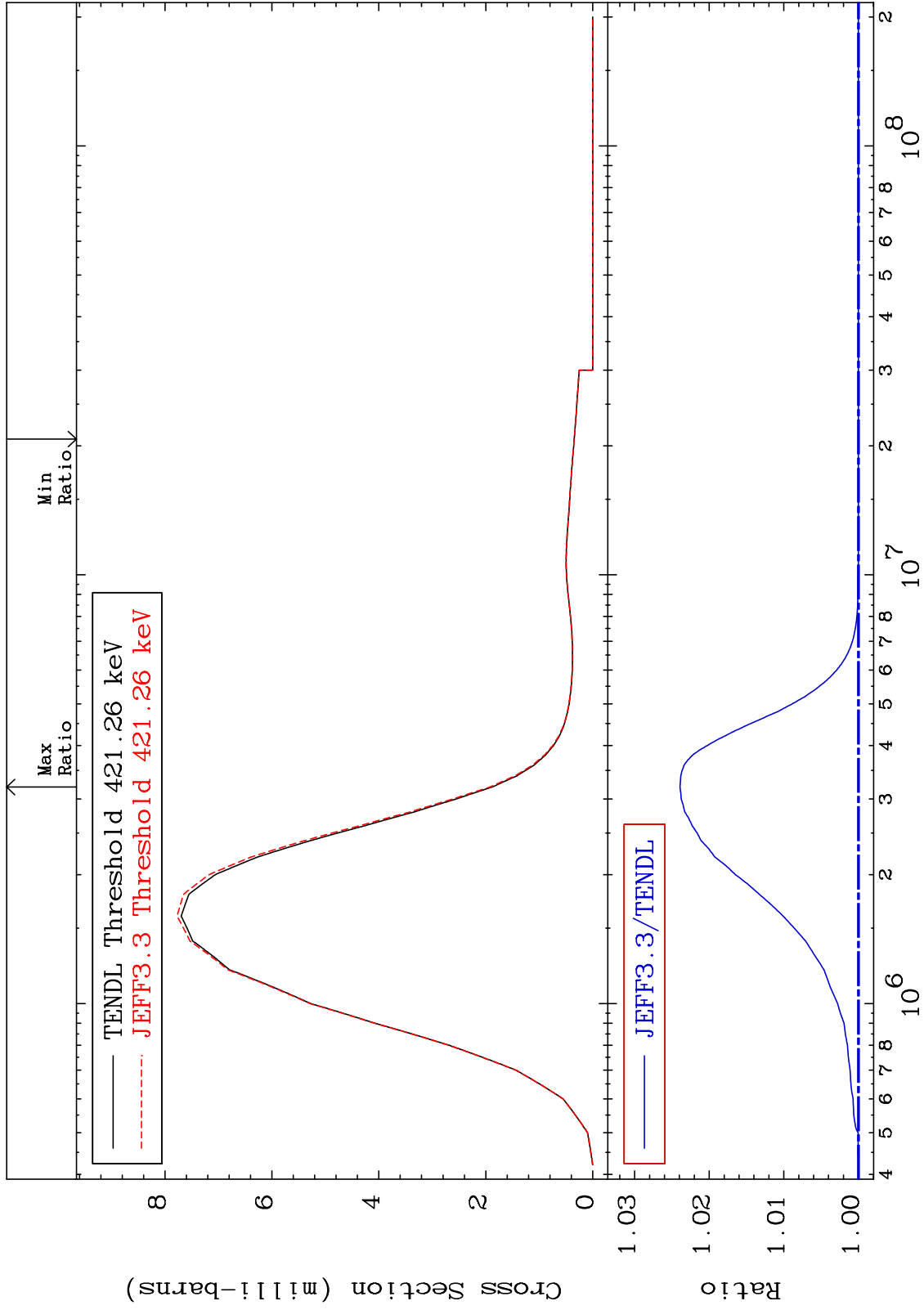
76-0s-187
-0.139 To 2.015 %



MAT 7634

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

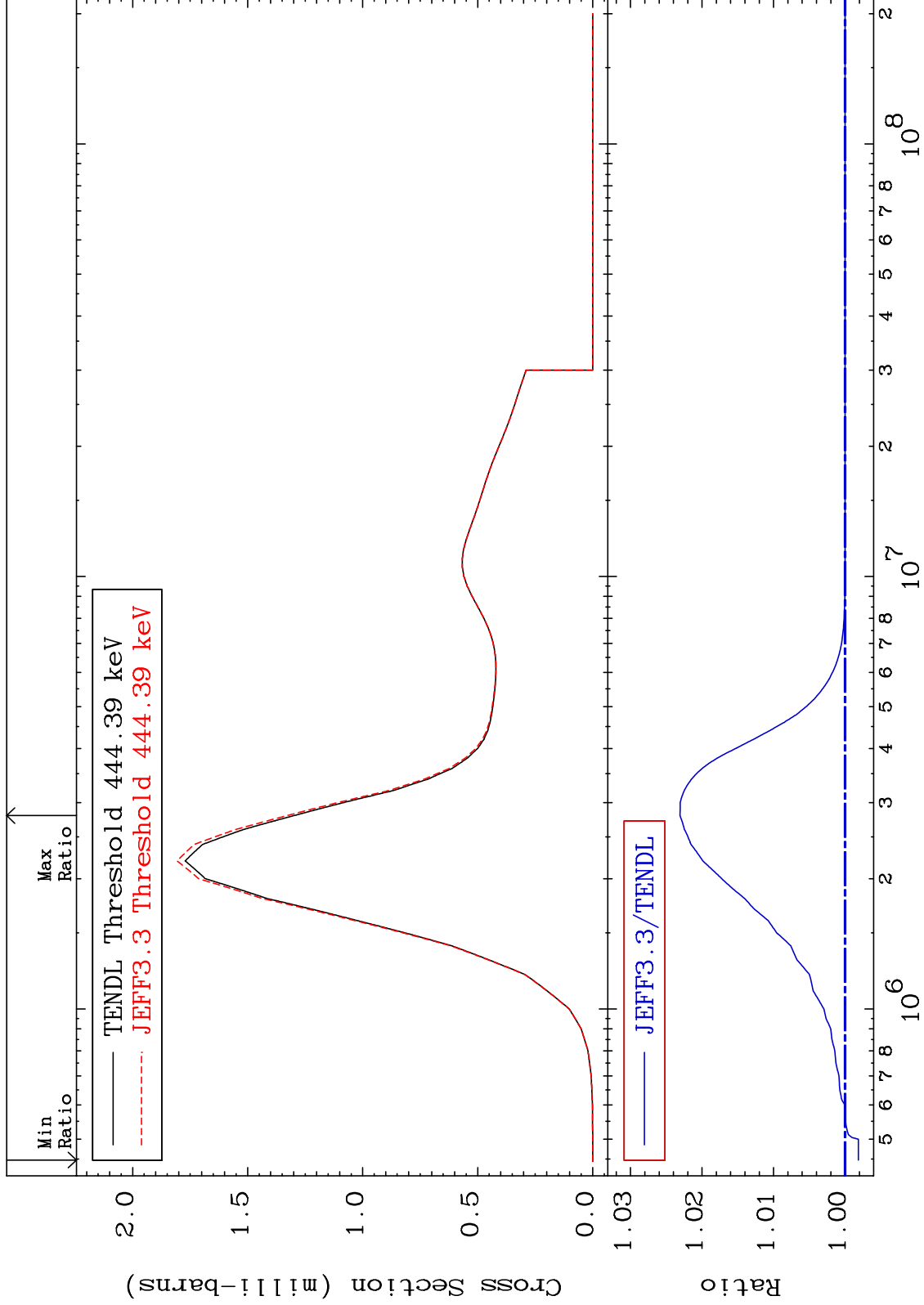
76-0s-187
0.000 To 2.392 %

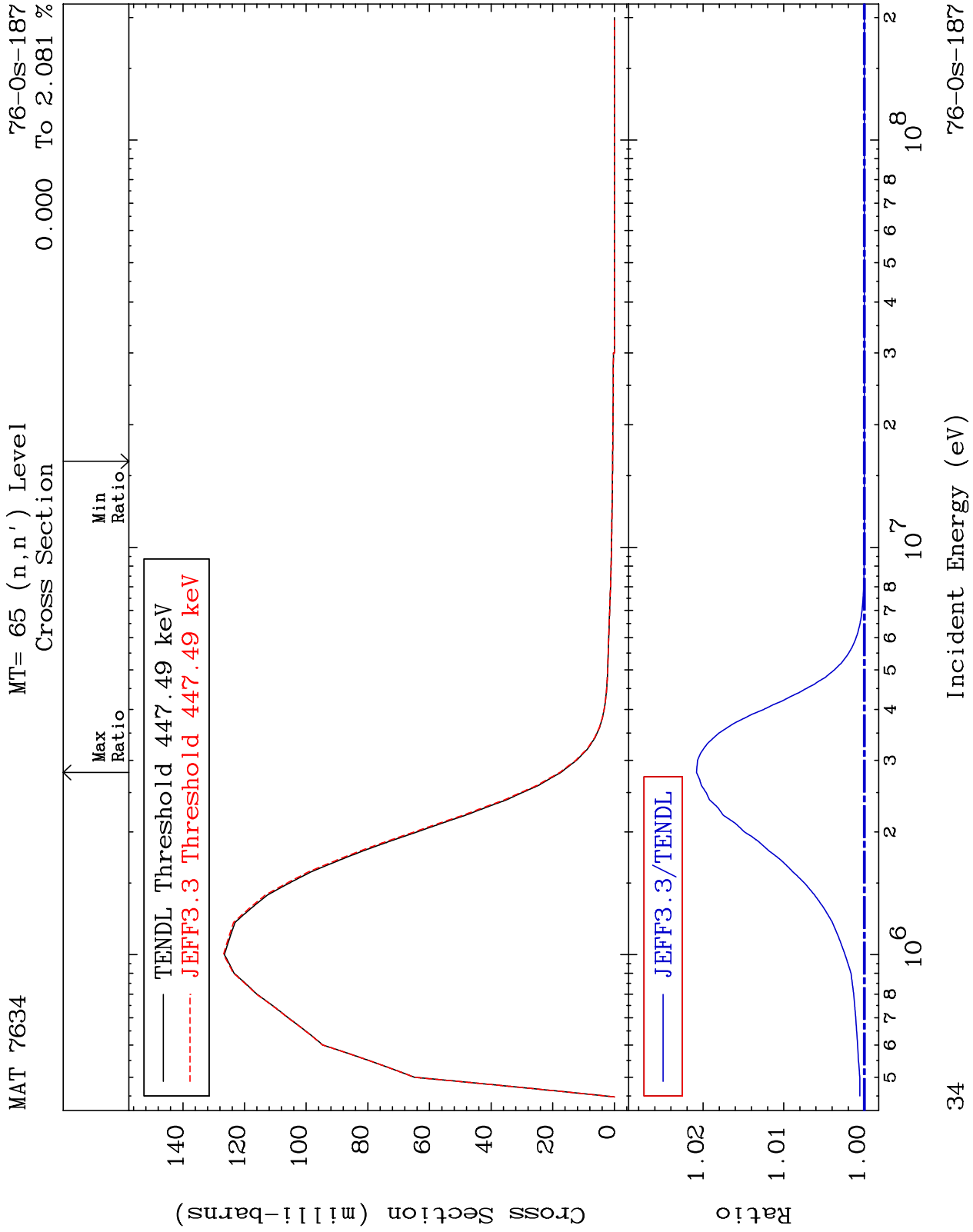


MAT 7634

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

76-0s-187
-0.186 To 2.308 %

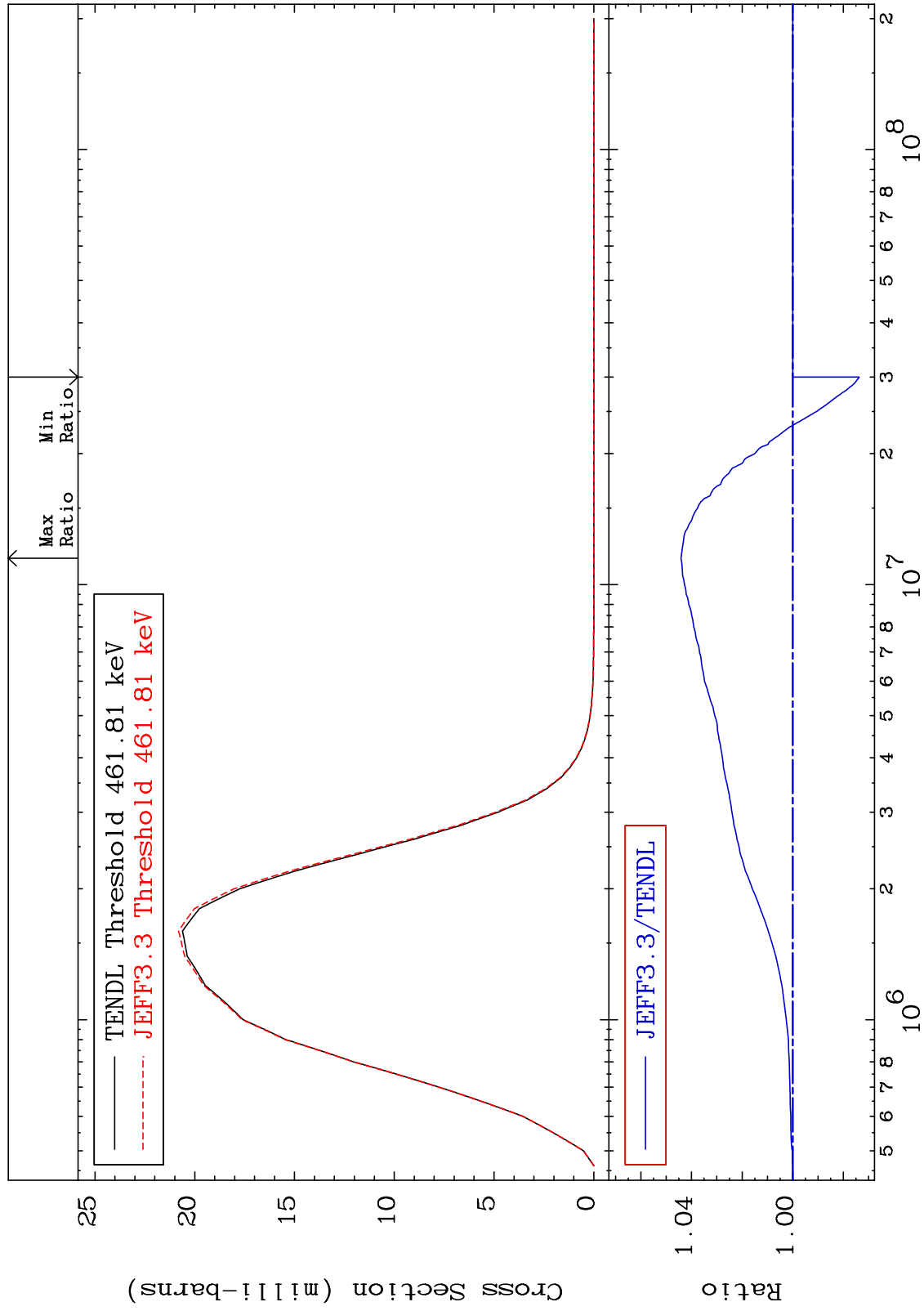




MAT 7634

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

76-0s-187
-2.630 To 4.413 %



35

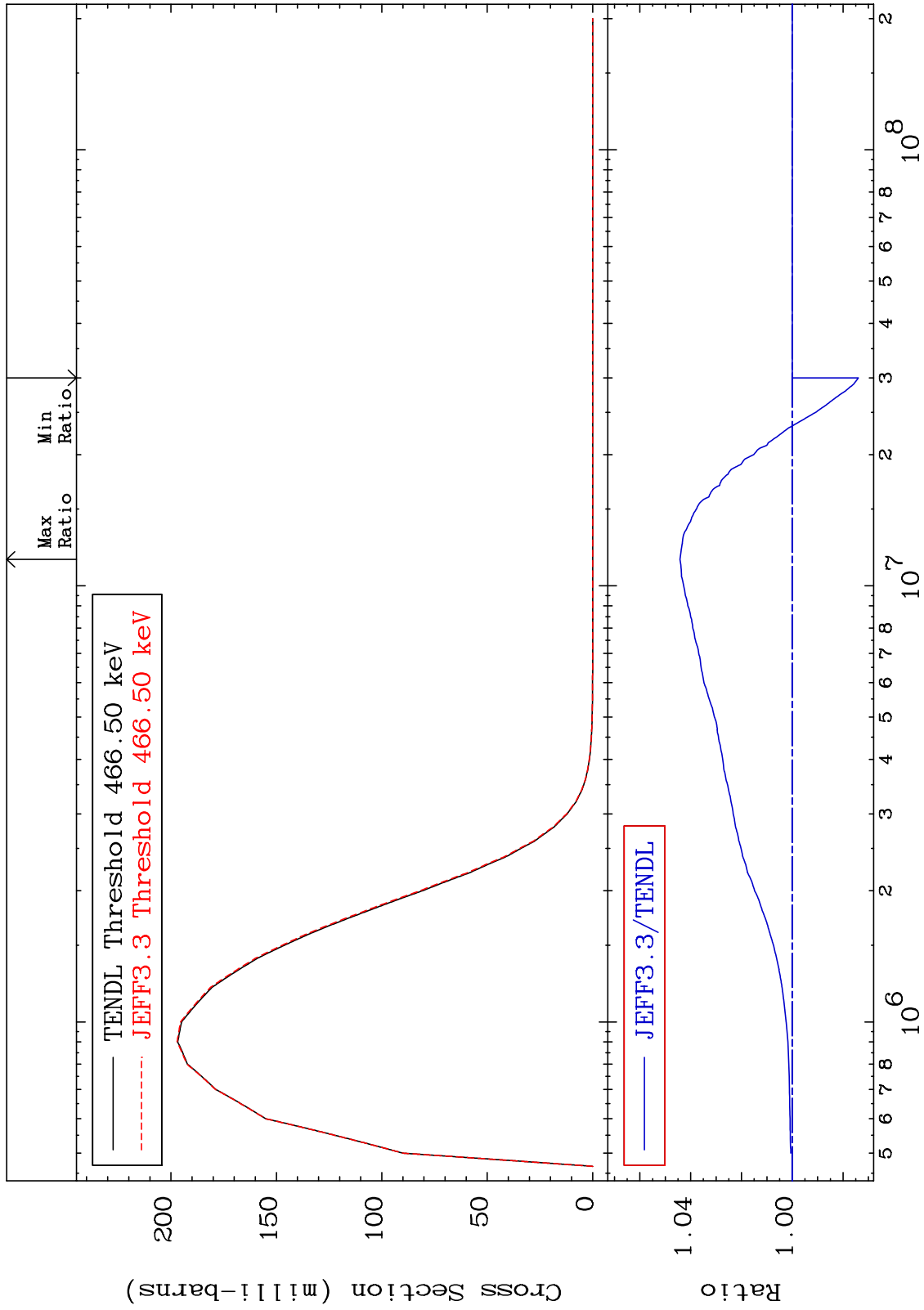
Incident Energy (eV)

76-0s-187

MAT 7634

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

76-0s-187
-2.605 To 4.421 %



36

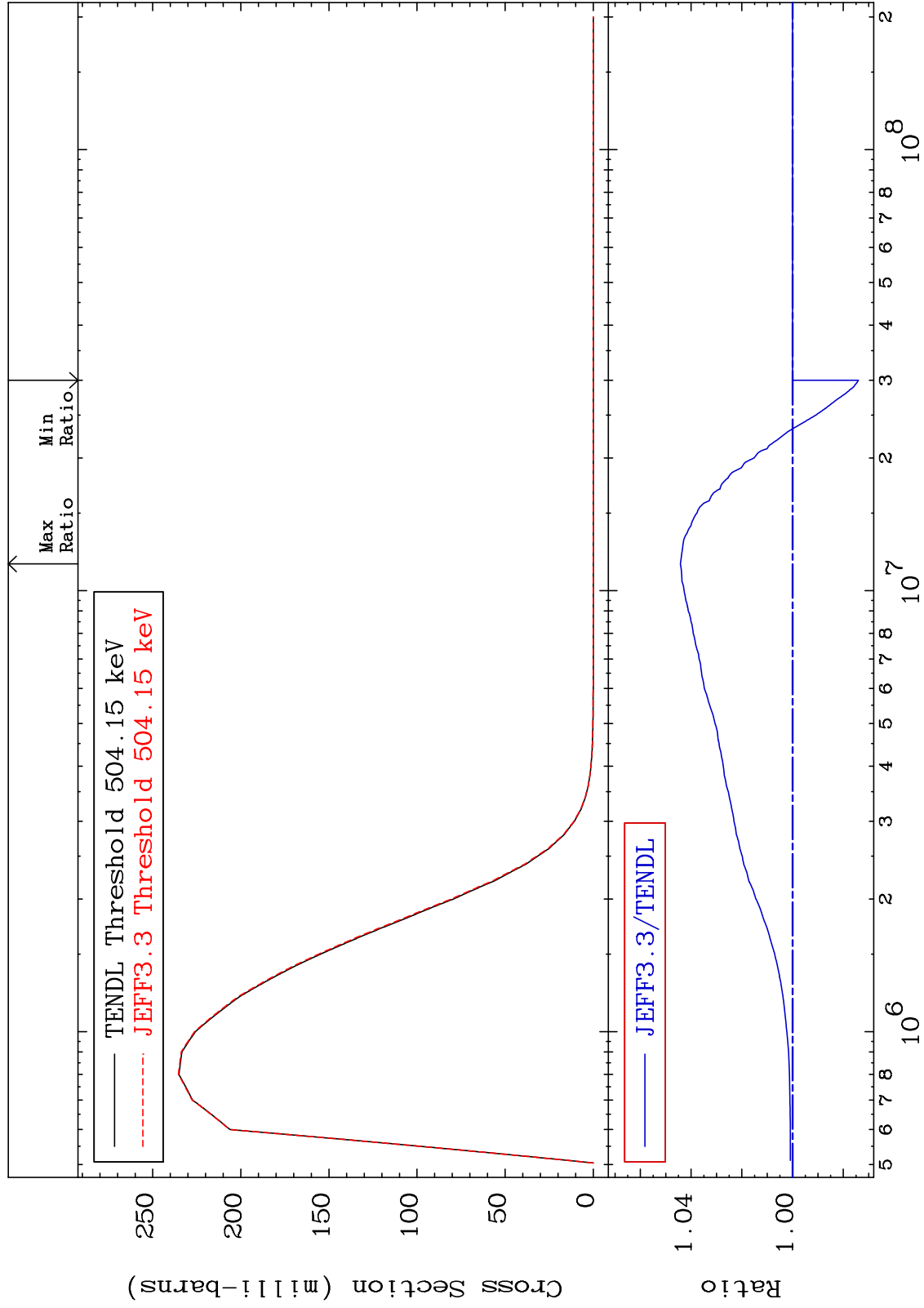
Incident Energy (eV)

76-0s-187

MAT 7634

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

76-0s-187
-2.599 To 4.422 %



37

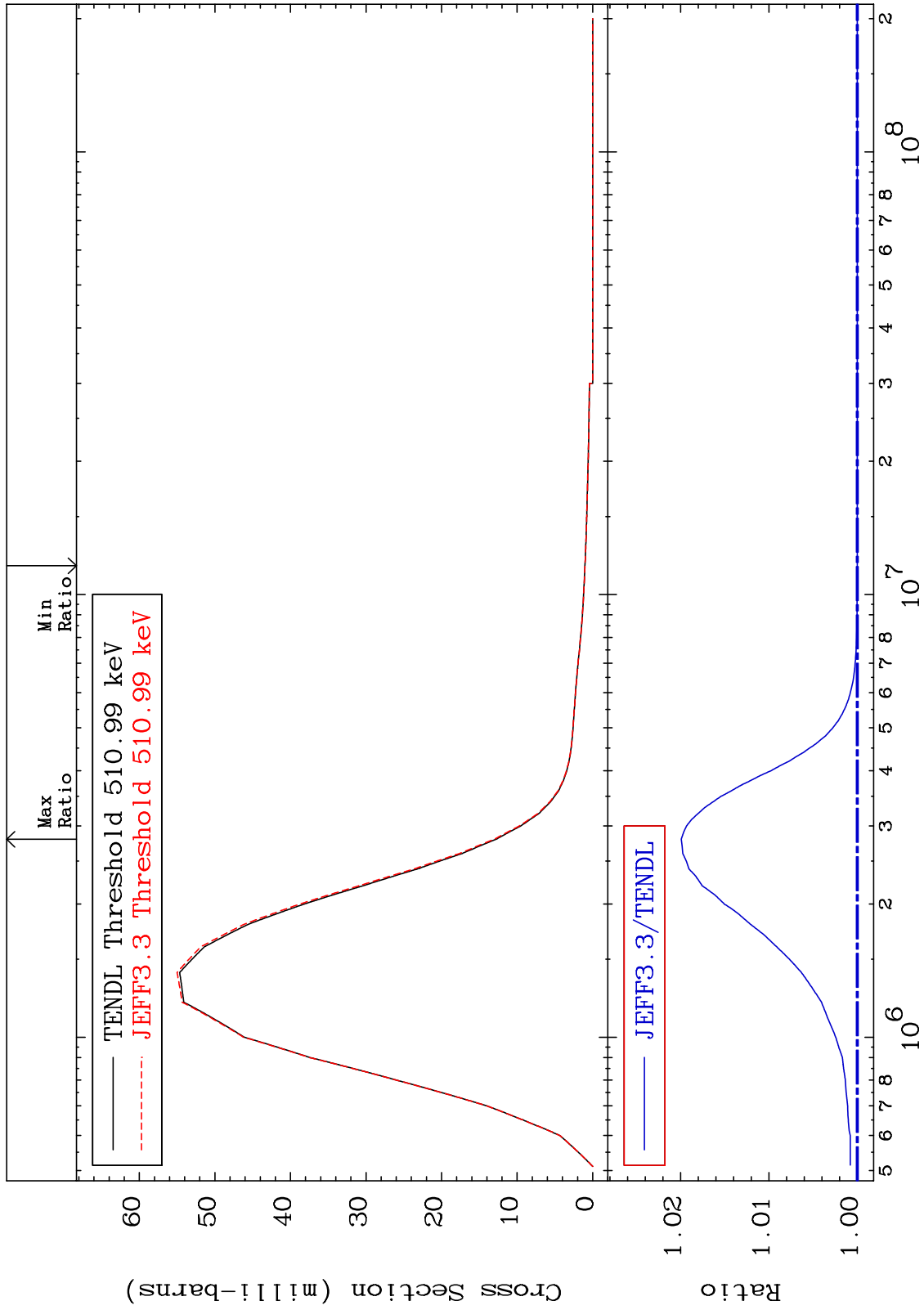
Incident Energy (eV)

76-0s-187

MAT 7634

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

76-0s-187
0.000 To 1.994 %



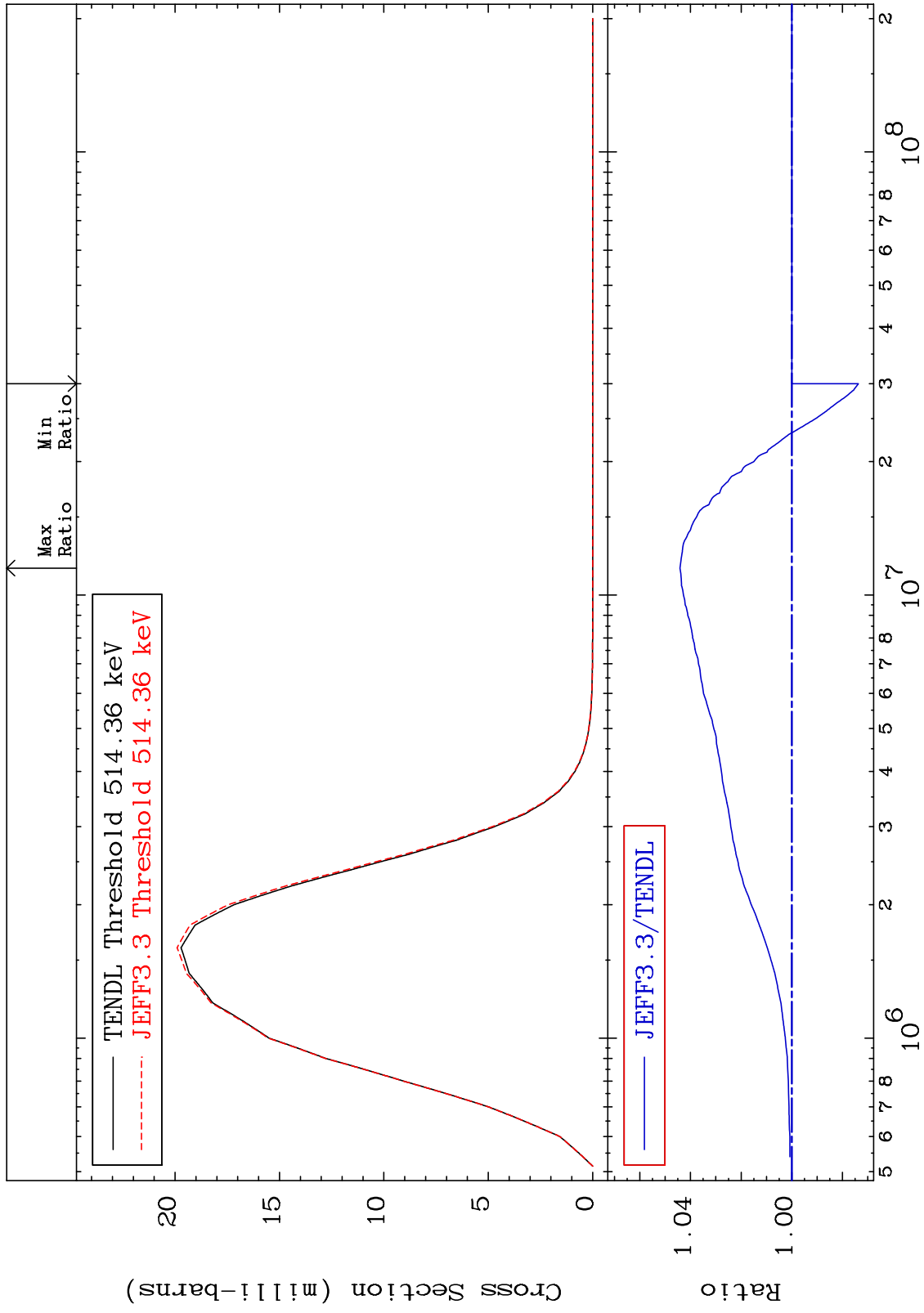
38

76-0s-187

MAT 7634

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

76-0s-187
-2.630 To 4.413 %



39

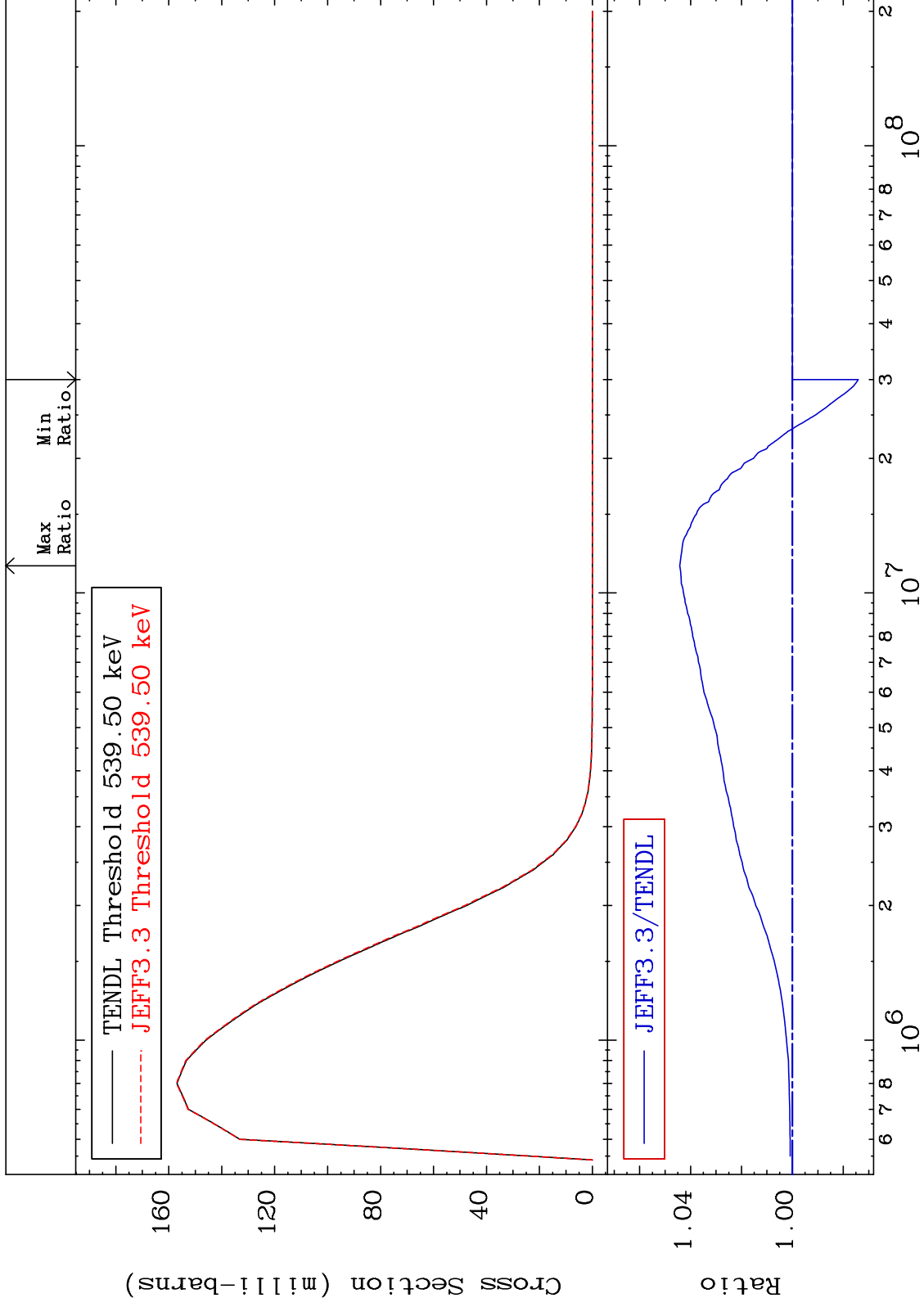
Incident Energy (eV)

76-0s-187

MAT 7634

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

76-0s-187
-2.593 To 4.423 %

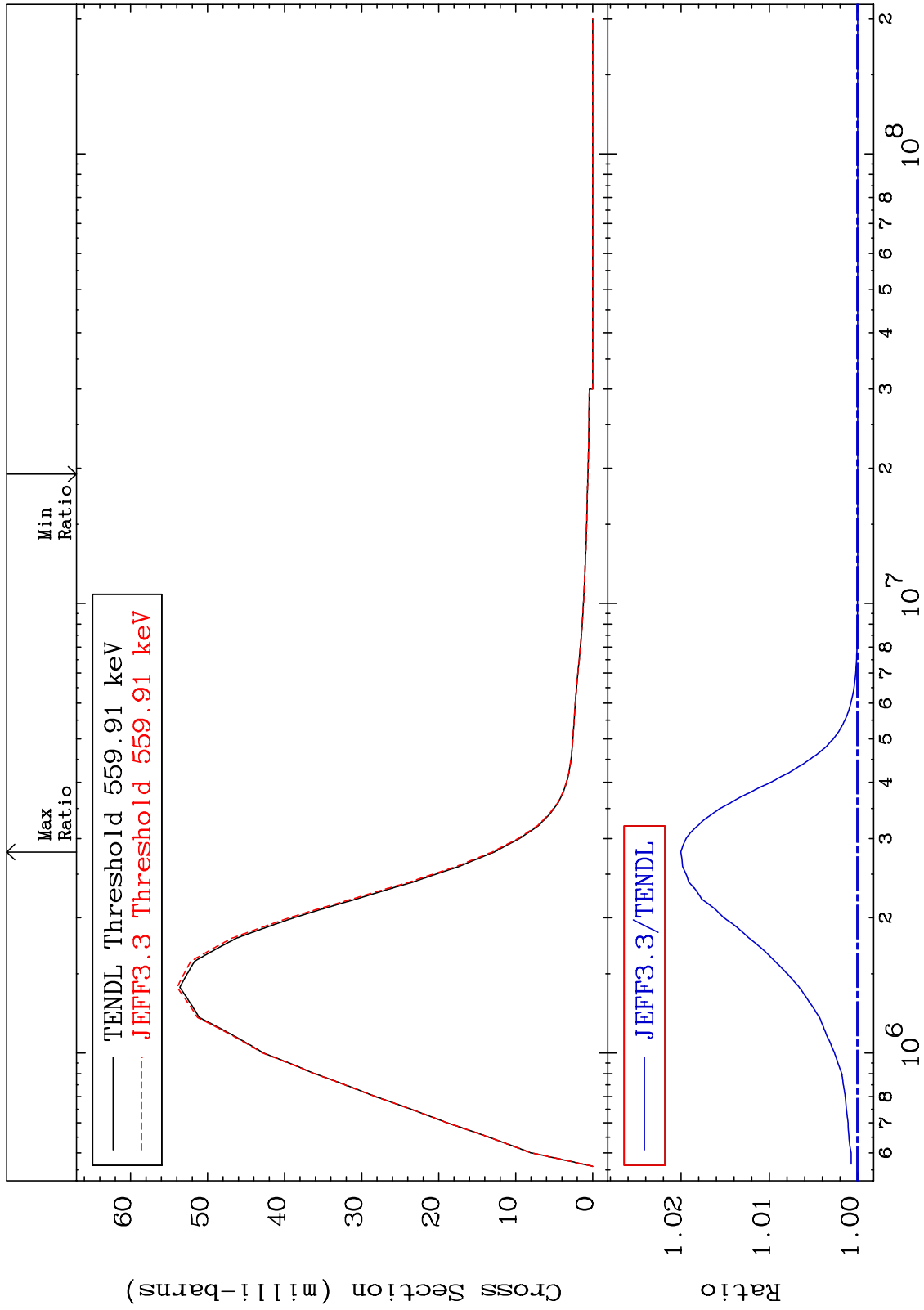


40

Incident Energy (eV)

76-0s-187

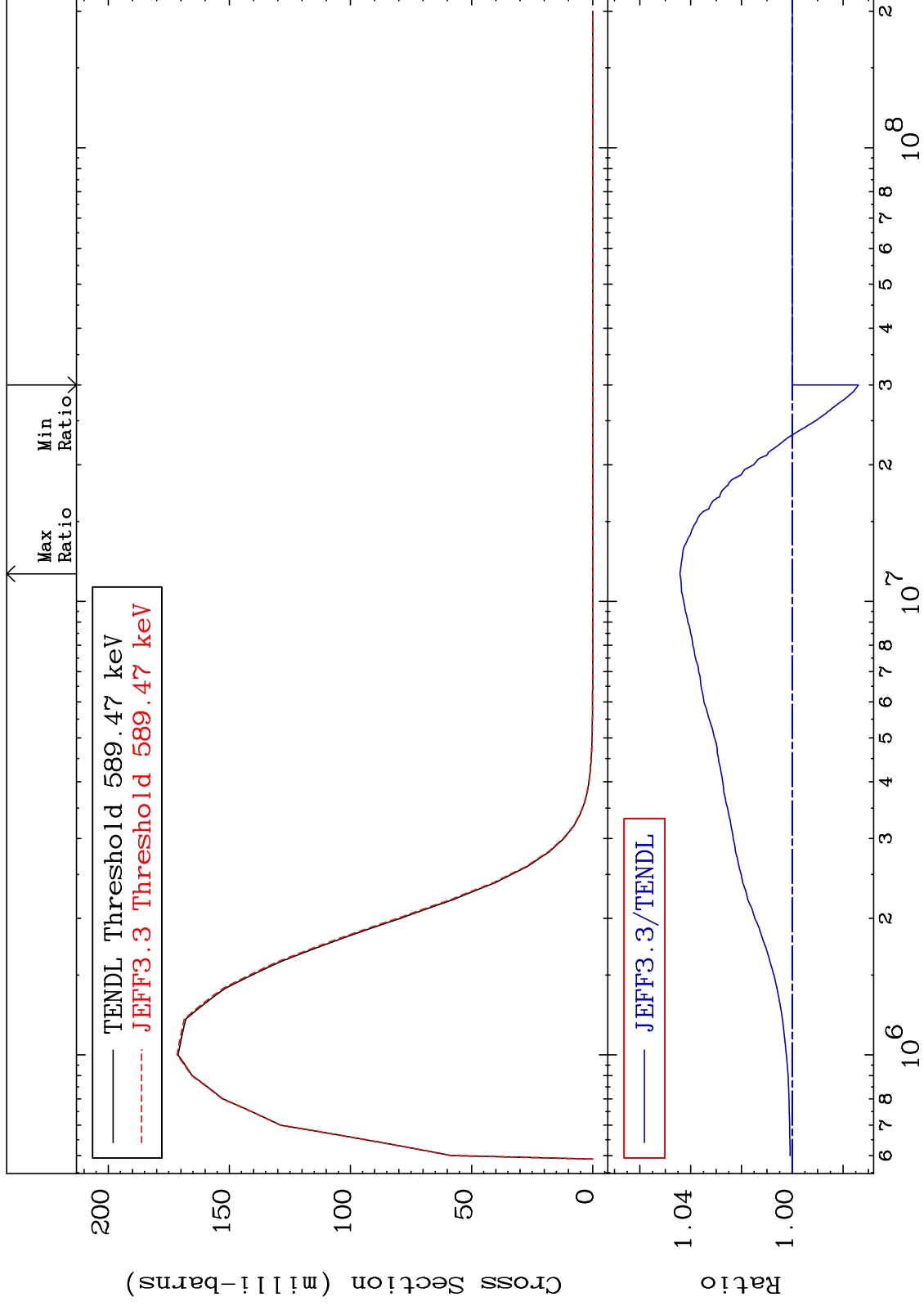
MAT 7634 MT= 72 (n,n') Level Cross Section 76-0s-187 To 2.002 %



MAT 7634

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

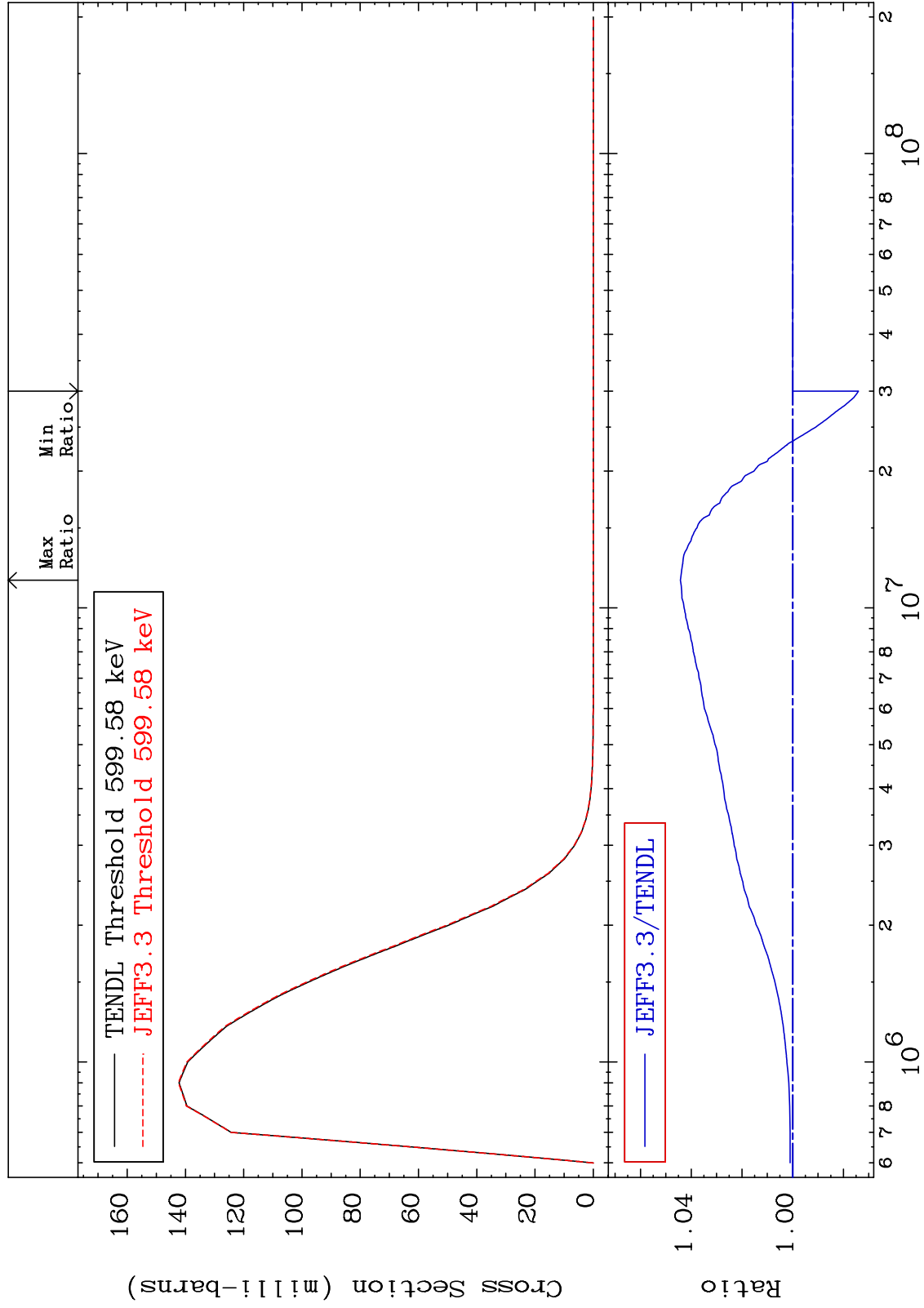
76-0s-187
-2.605 To 4.421 %



MAT 7634

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

76-0s-187
-2.596 To 4.423 %



43

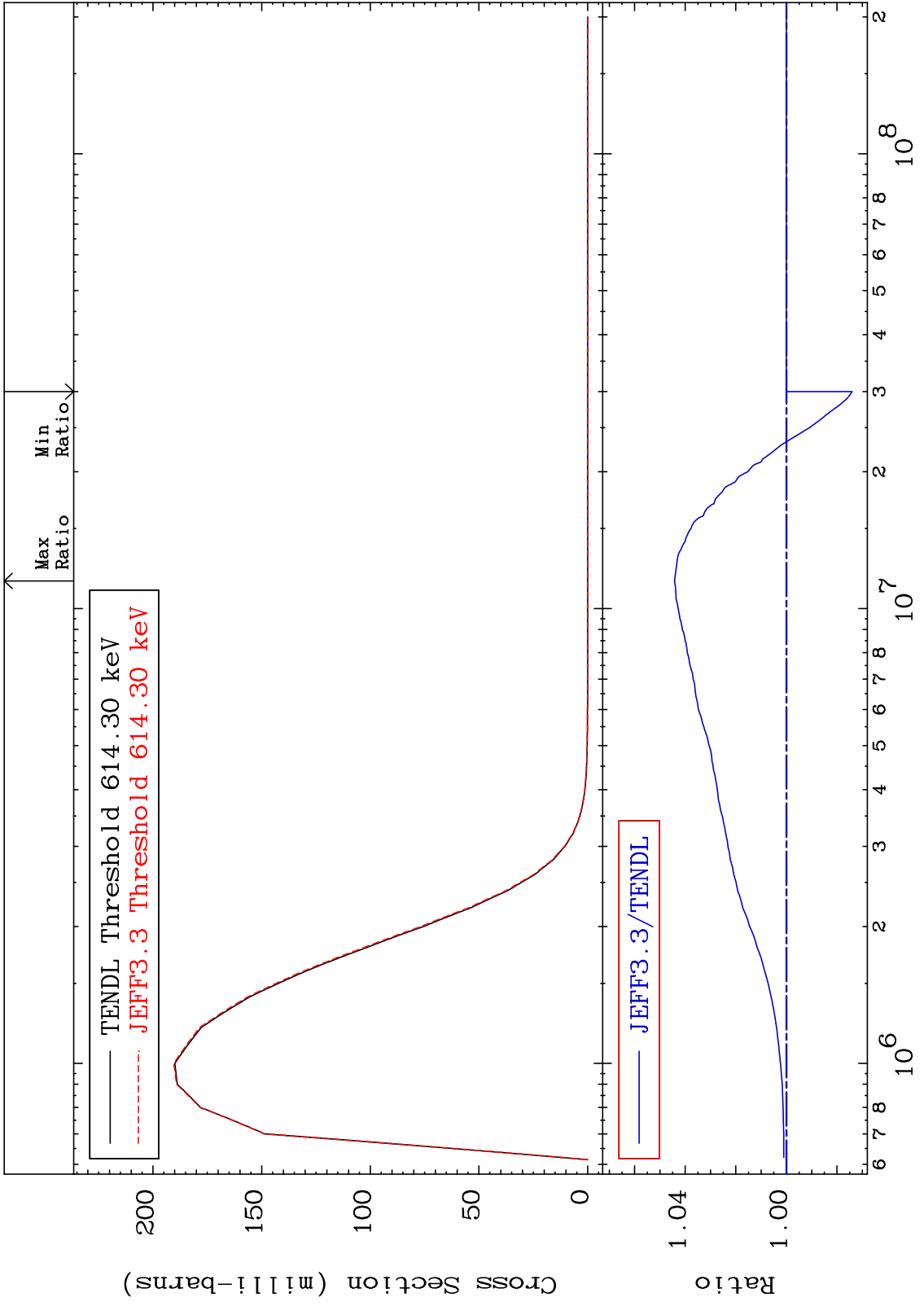
Incident Energy (eV)

76-0s-187

MAT 7634

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

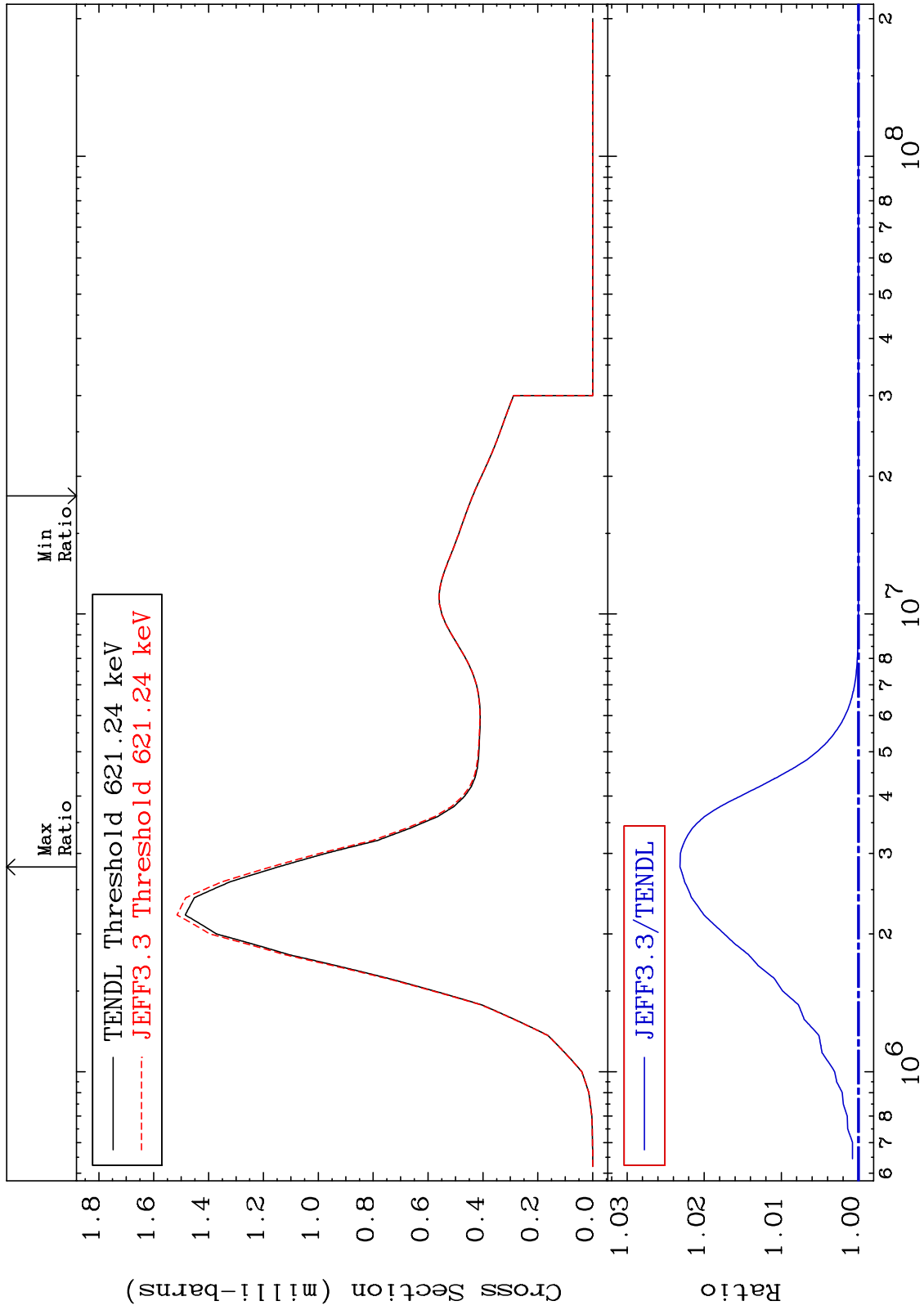
76-0s-187
-2.599 To 4.422 %



MAT 7634

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

76-0s-187
0.000 To 2.313 %



45

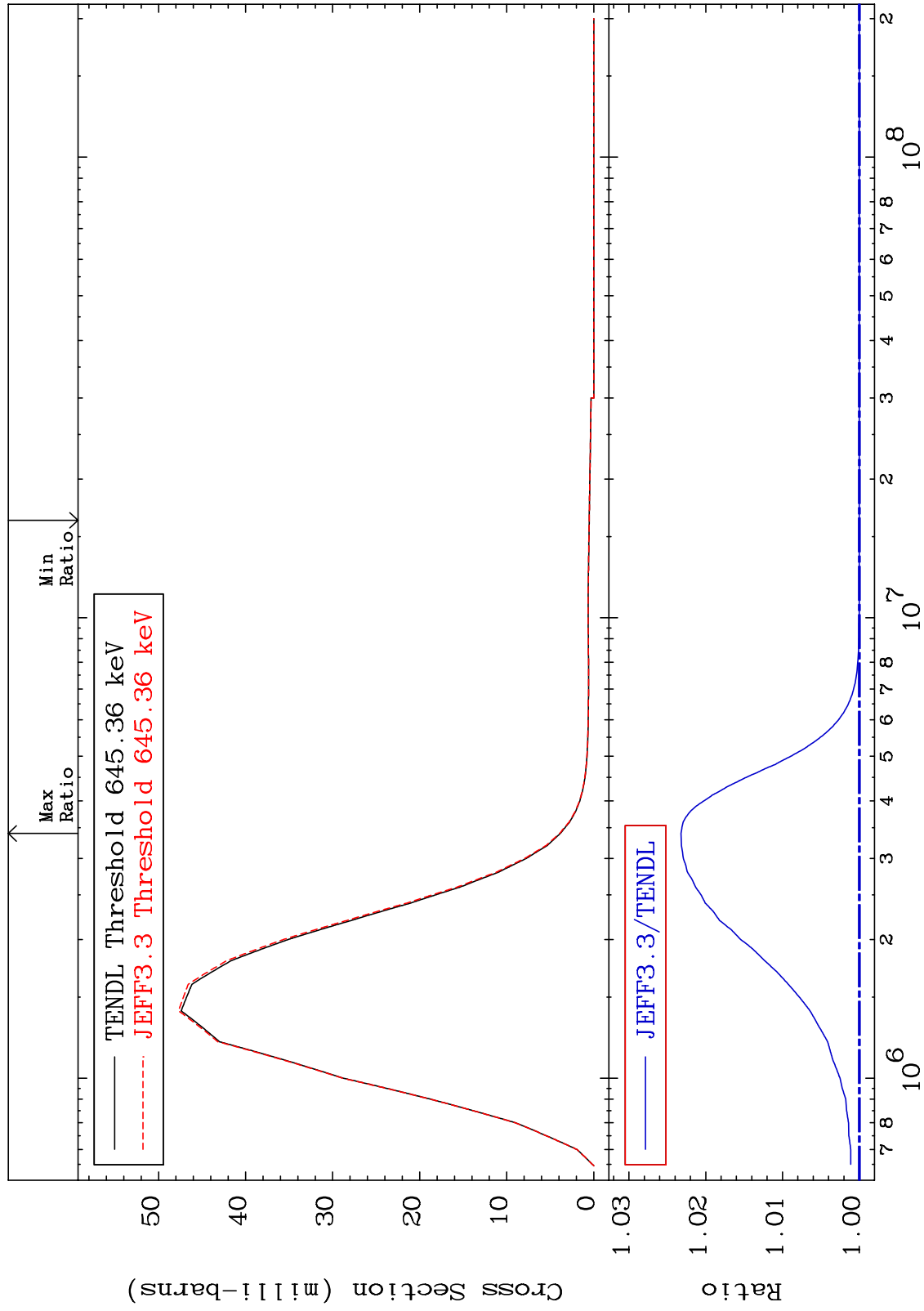
Incident Energy (eV)

76-0s-187

MAT 7634

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

76-0s-187
0.000 To 2.321 %



46

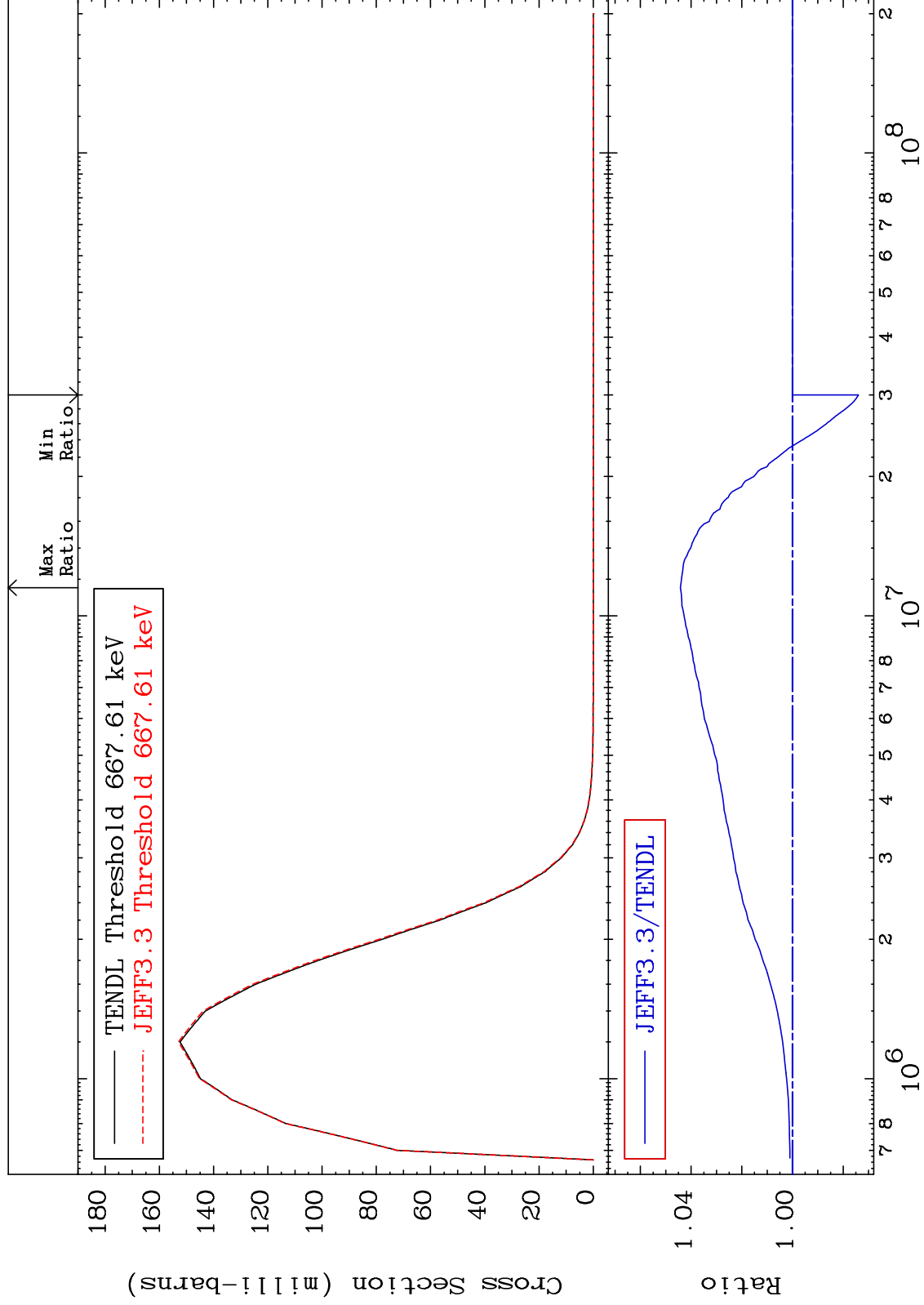
Incident Energy (eV)

76-0s-187

MAT 7634

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

76-0s-187
-2.605 To 4.421 %



47

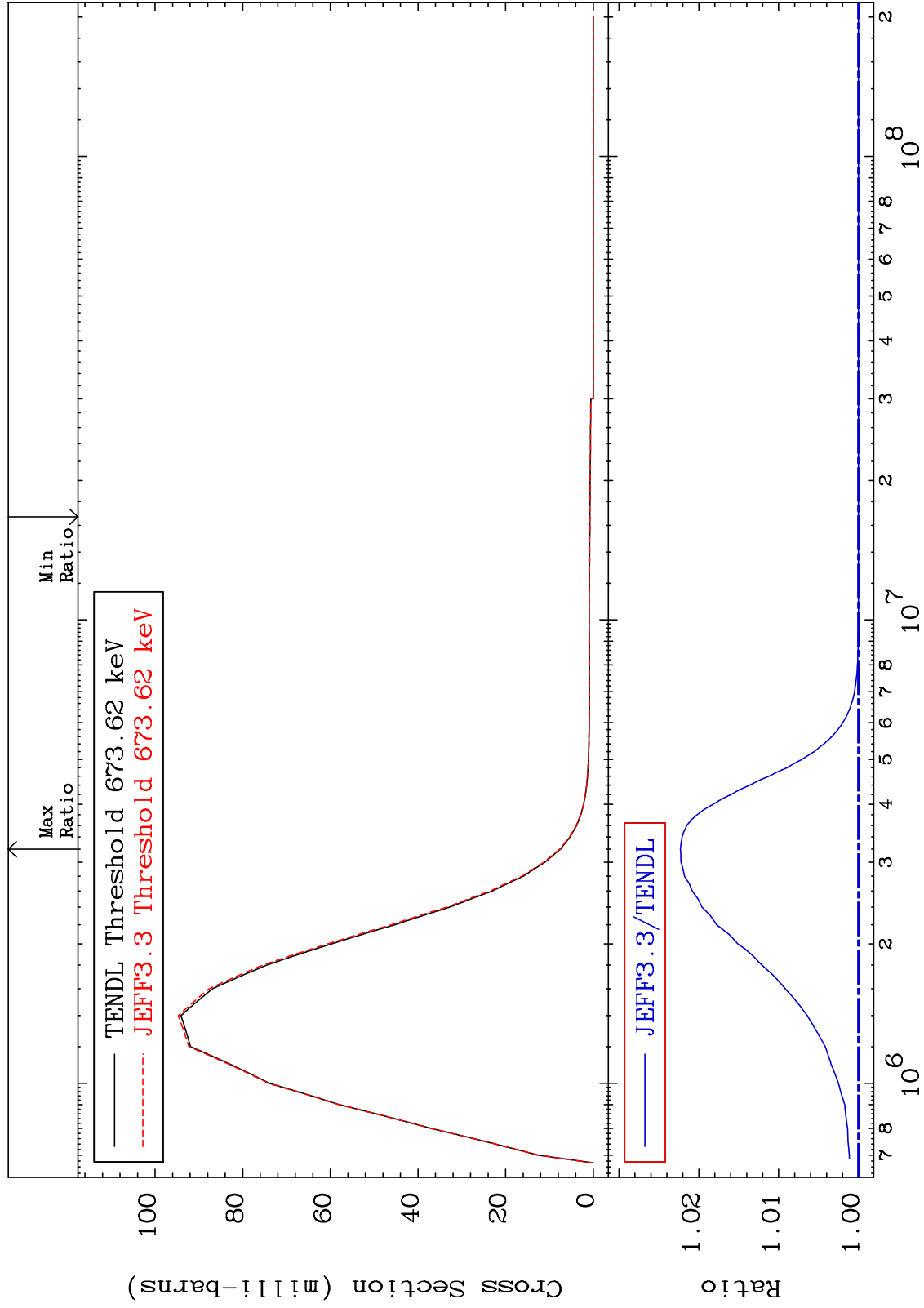
Incident Energy (eV)

76-0s-187

MAT 7634

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

76-0s-187
0.000 To 2.230 %



48

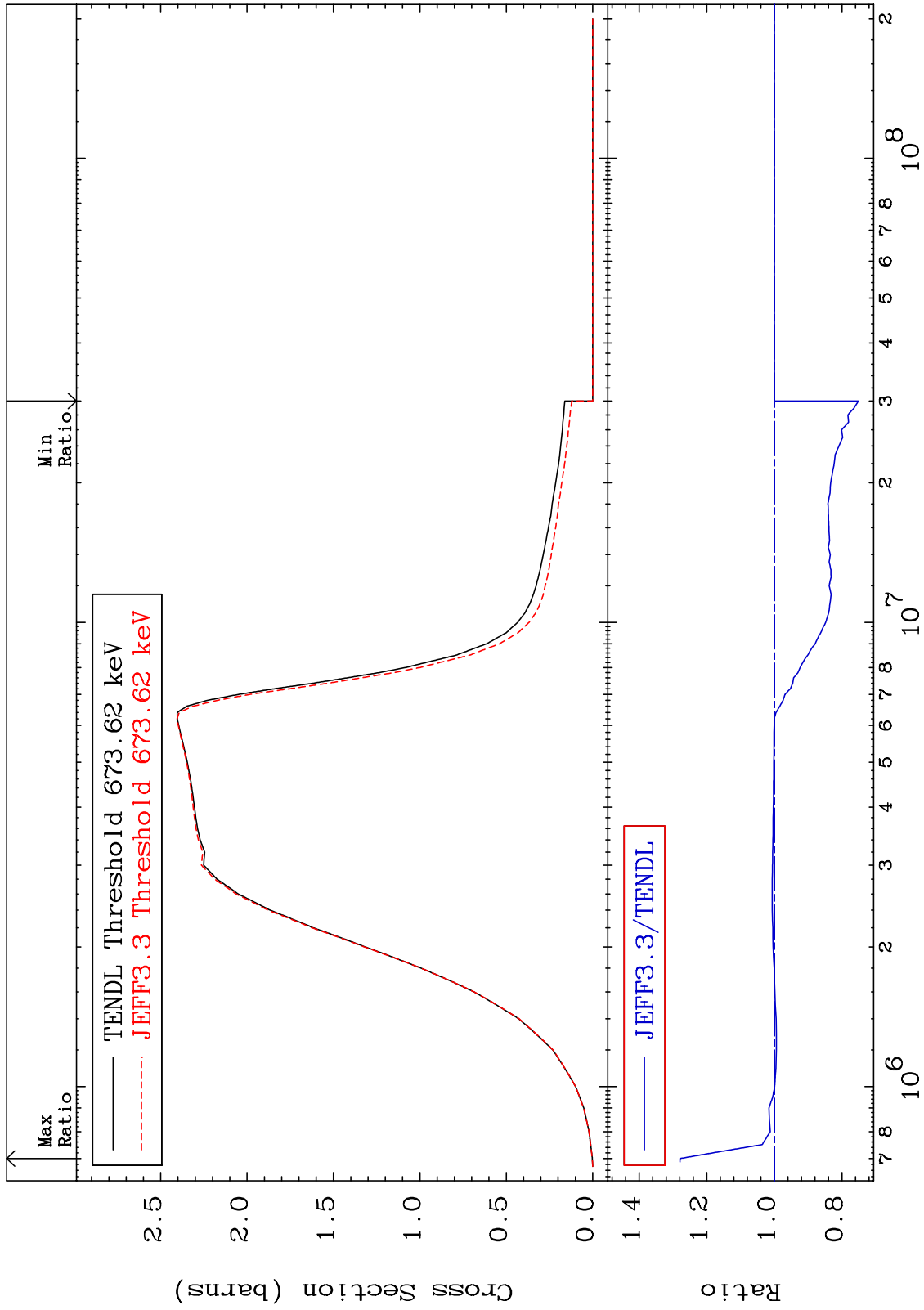
Incident Energy (eV)

76-0s-187

MAT 7634

(n, n') Continuum
Cross Section

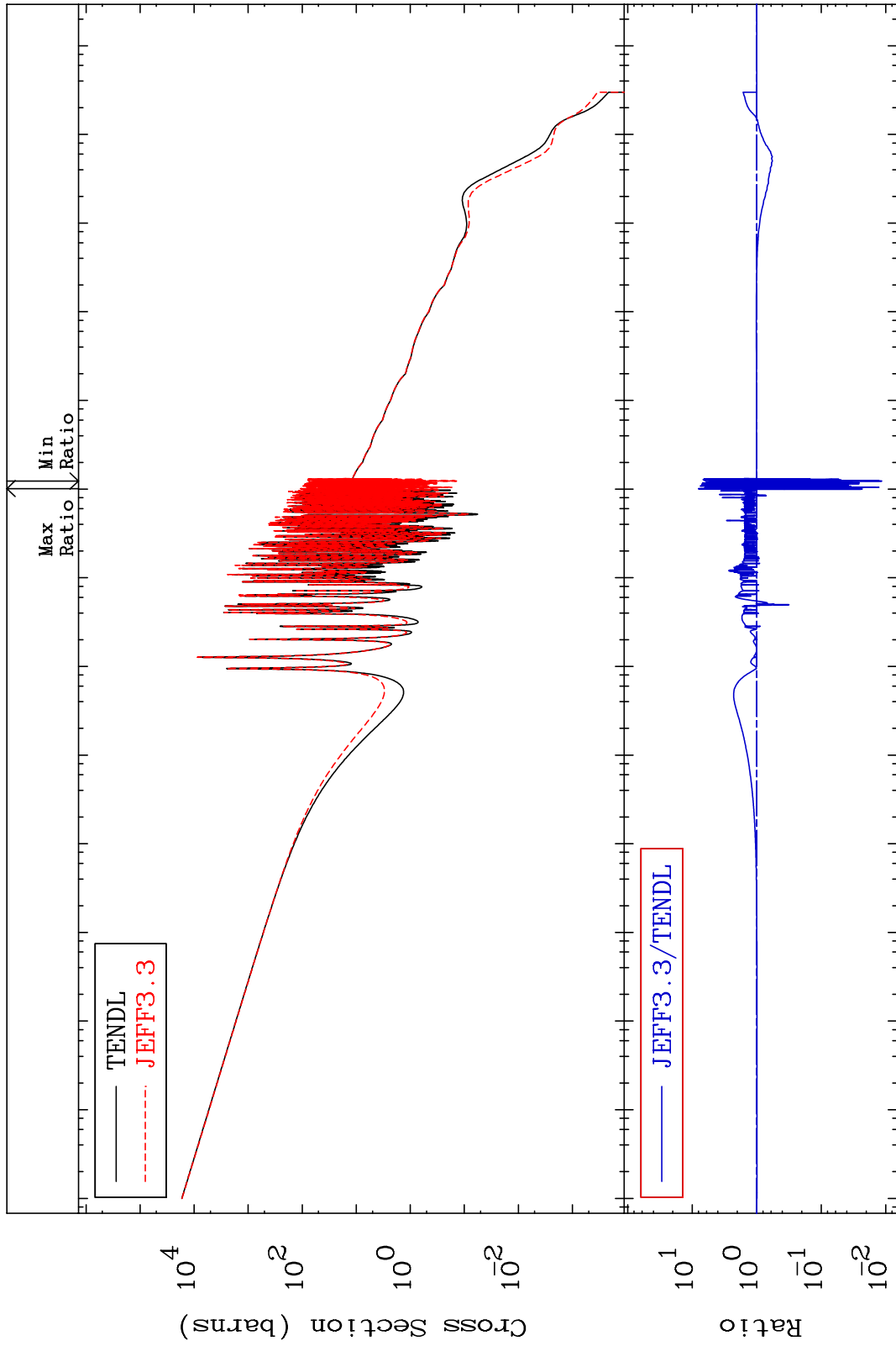
76-0s-187
-24.85 To 27.91 %



MAT 7634

(n, γ)
Cross Section

76-0s-187
-98.84 To 703.1 %



50

Incident Energy (eV)

76-0s-187

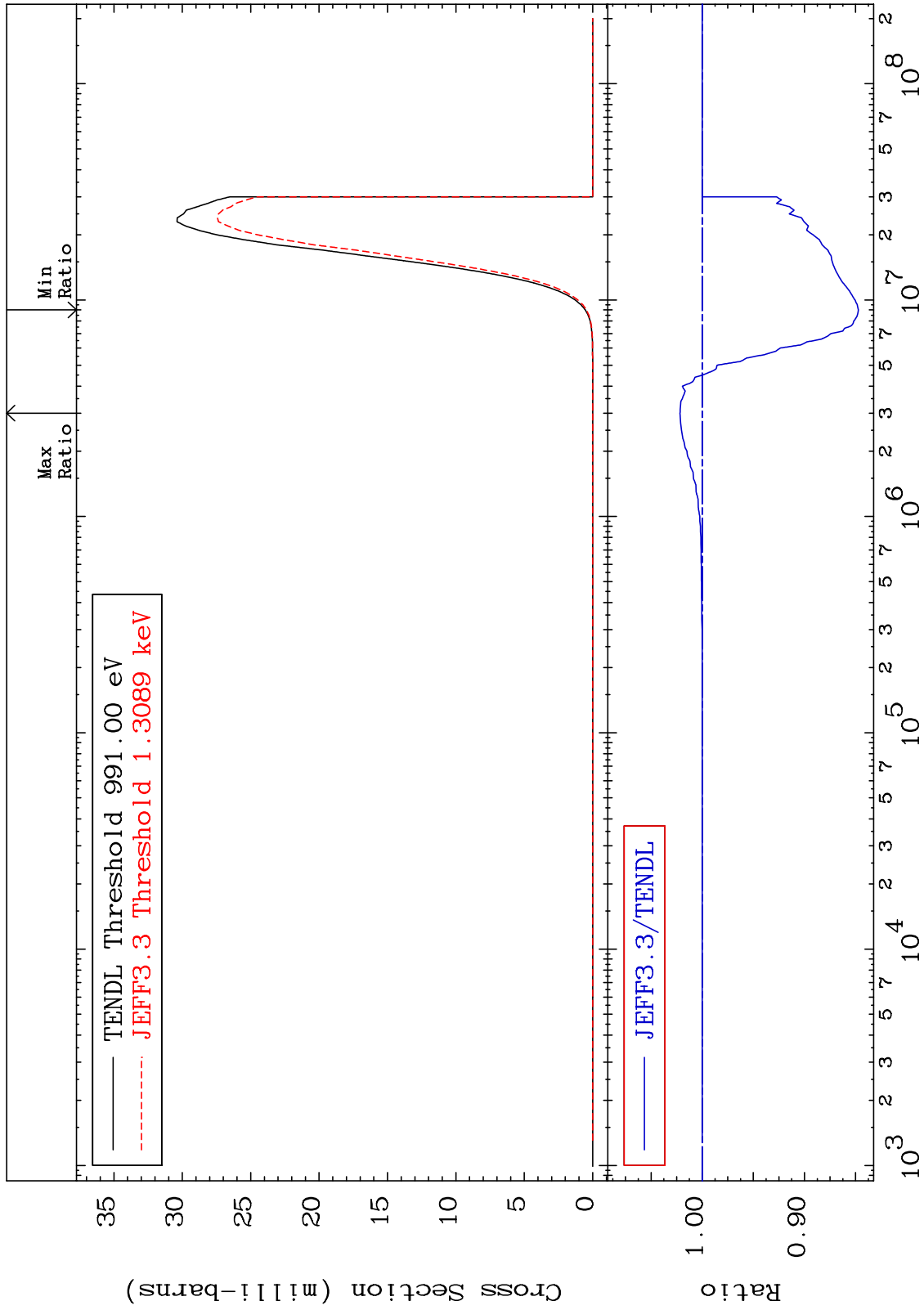
MAT 7634

(n,p)

76-0s-187

Cross Section

-15.27 To 2.169 %



51

Incident Energy (eV)

76-0s-187

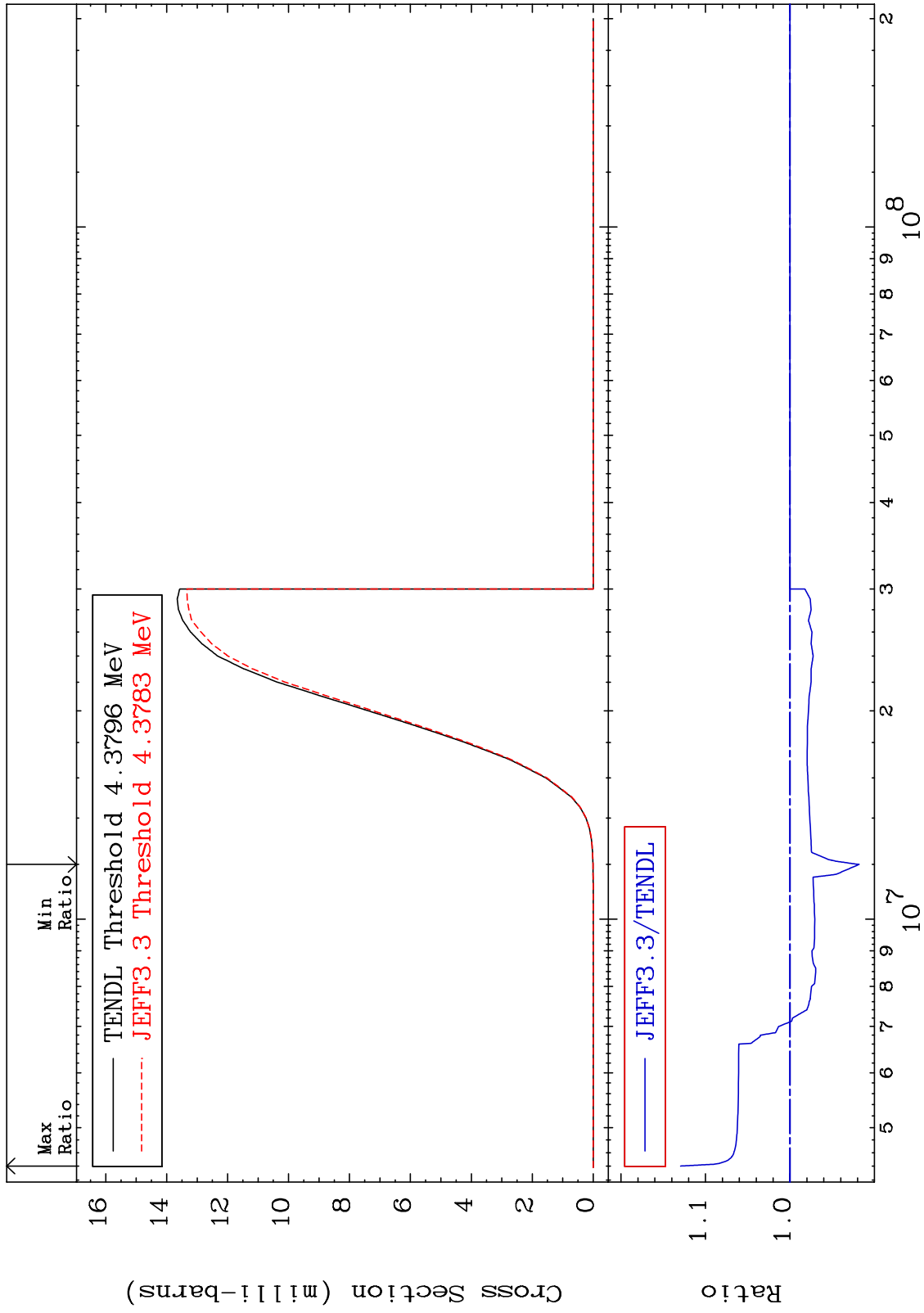
MAT 7634

(n, d)

76-0s-187

Cross Section

-8.182 To 12.95 %



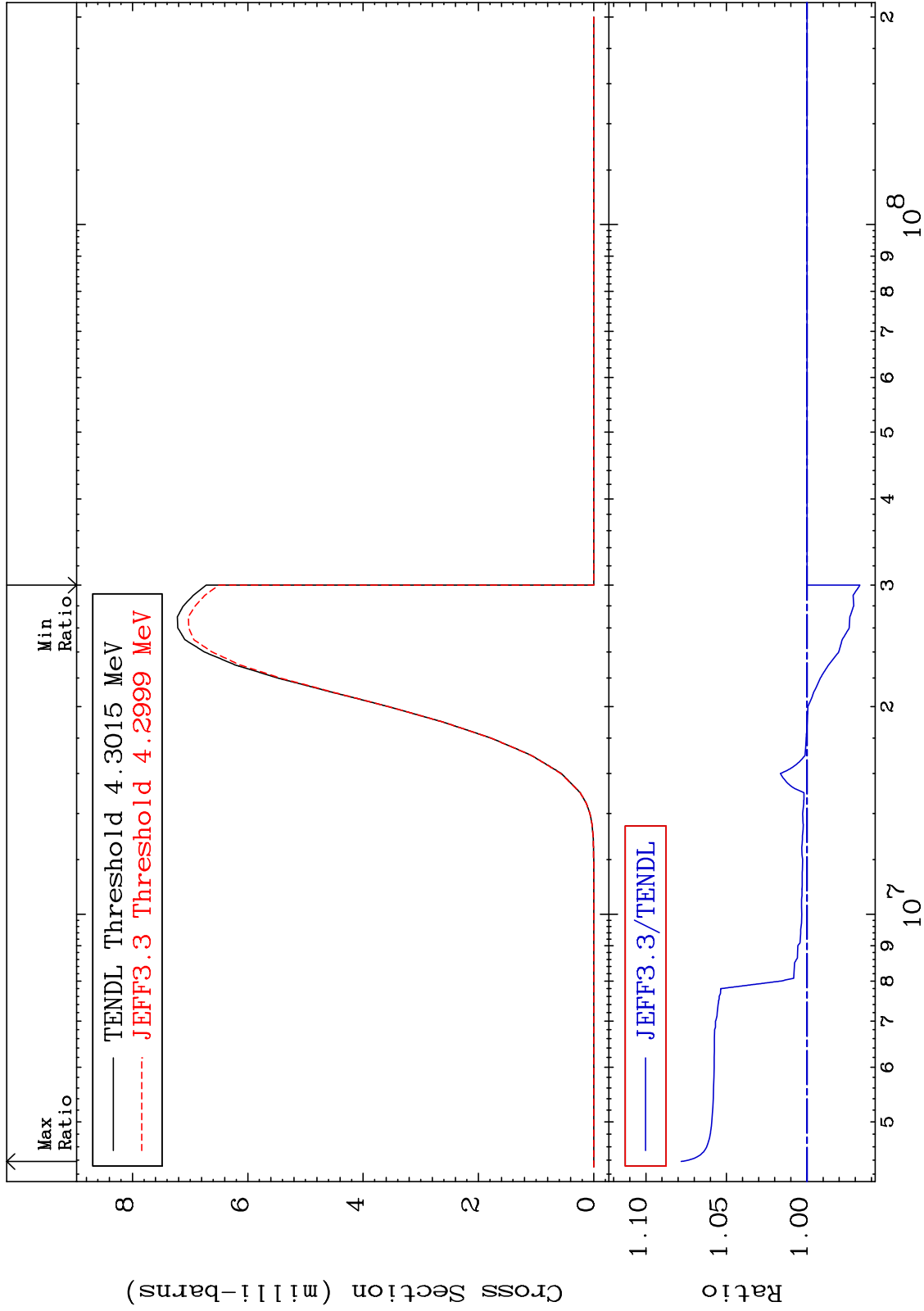
MAT 7634

(n, t)

76-0s-187

Cross Section

-3.287 To 7.808 %



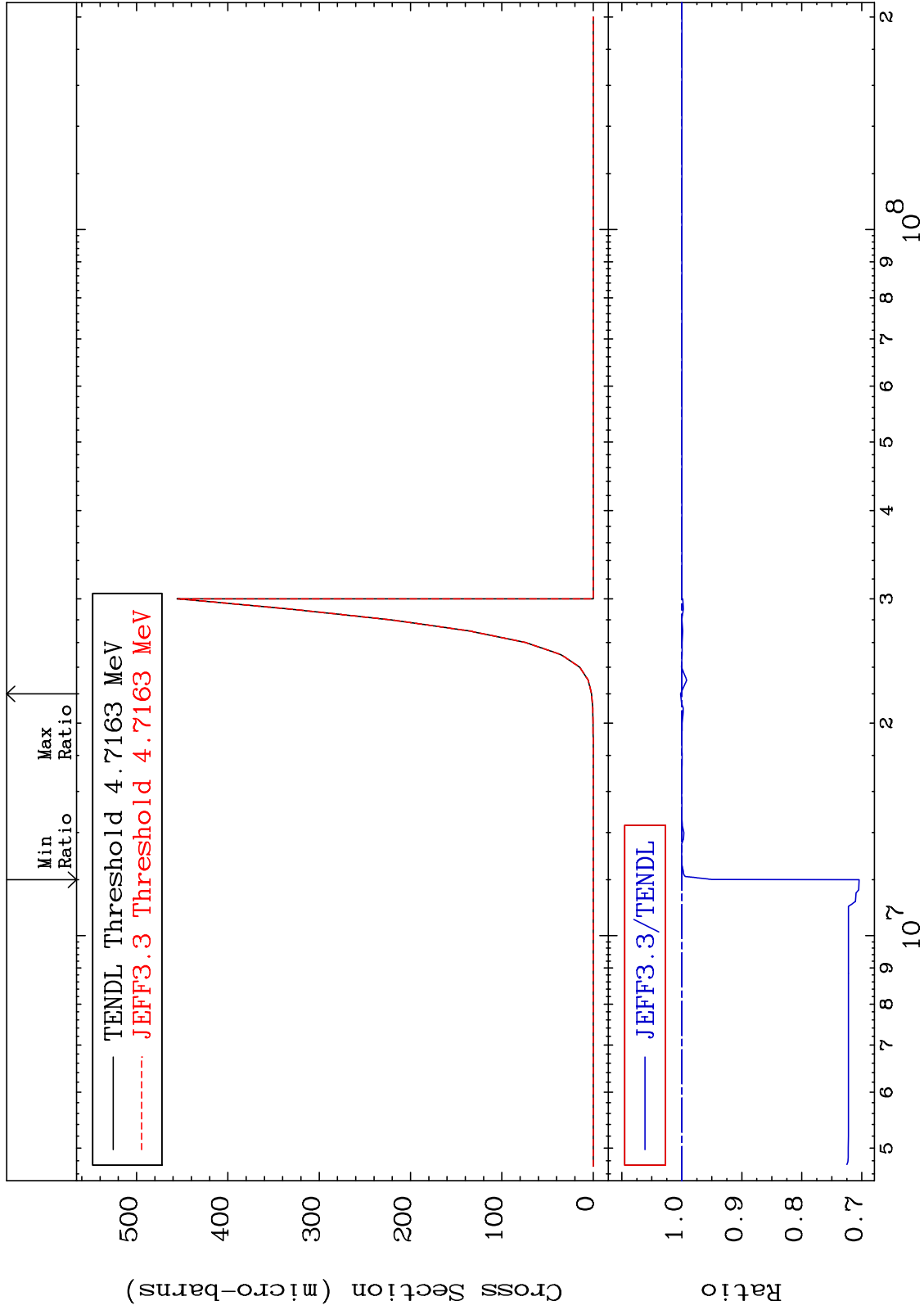
MAT 7634

(n, He-3)

76-0s-187

Cross Section

-29.56 To 0.201 %



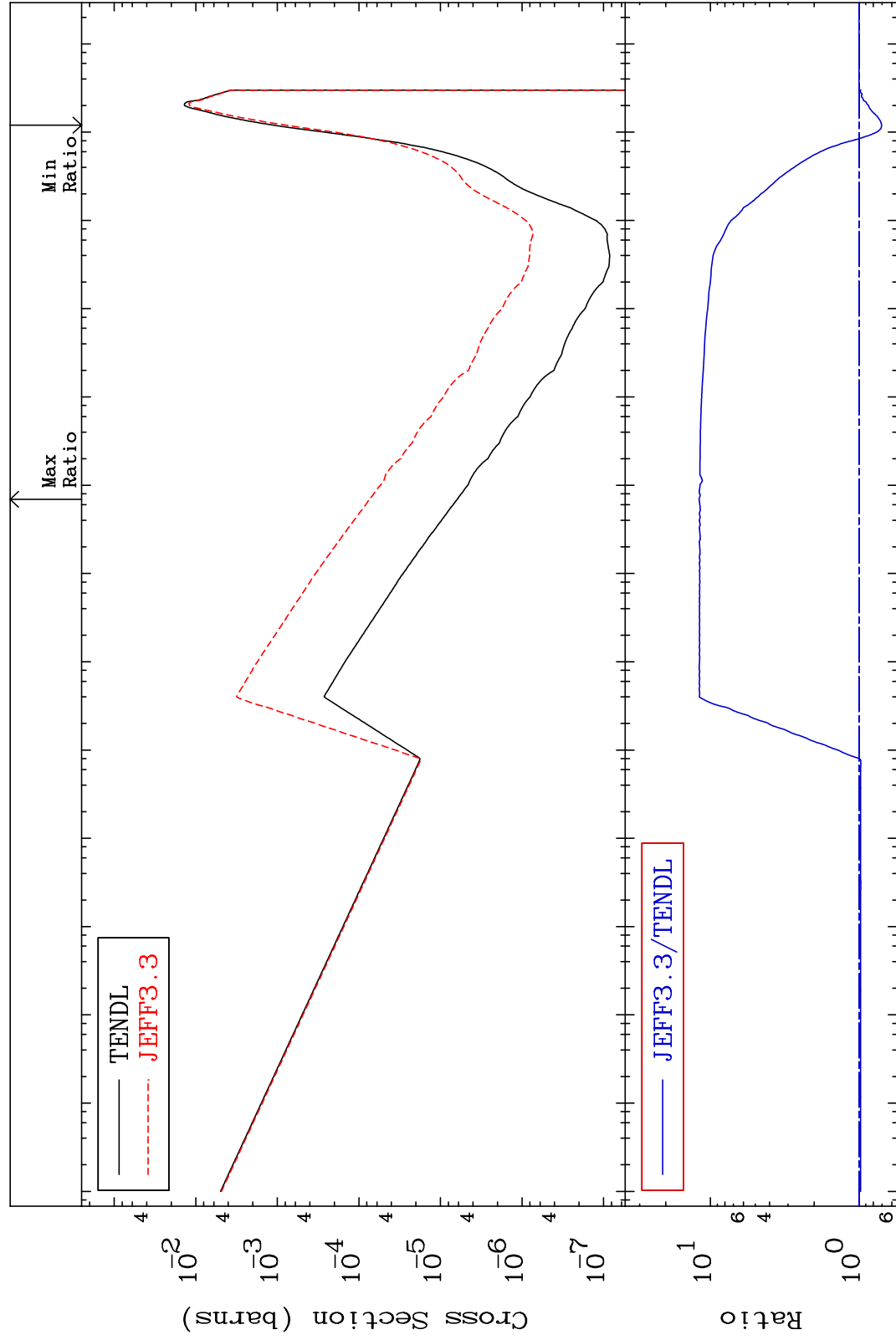
MAT 7634

(n, α)

76-0s-187

-29.60 To 1093. %

Cross Section



Incident Energy (eV)

76-0s-187

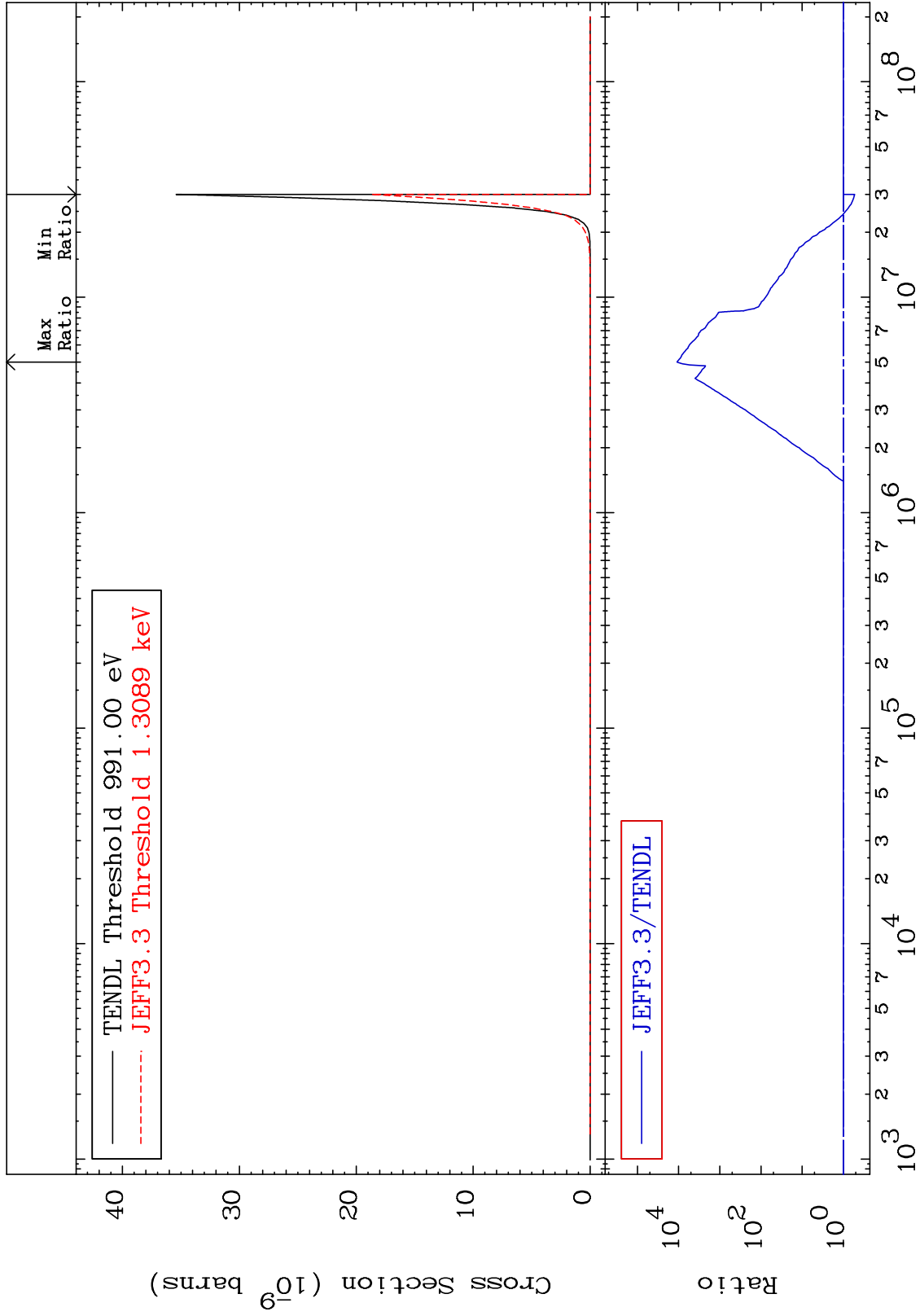
MAT 7634

(n, 2α)

76-Os-187

Cross Section

-47.14 To 9999. %



56

Incident Energy (eV)

76-Os-187

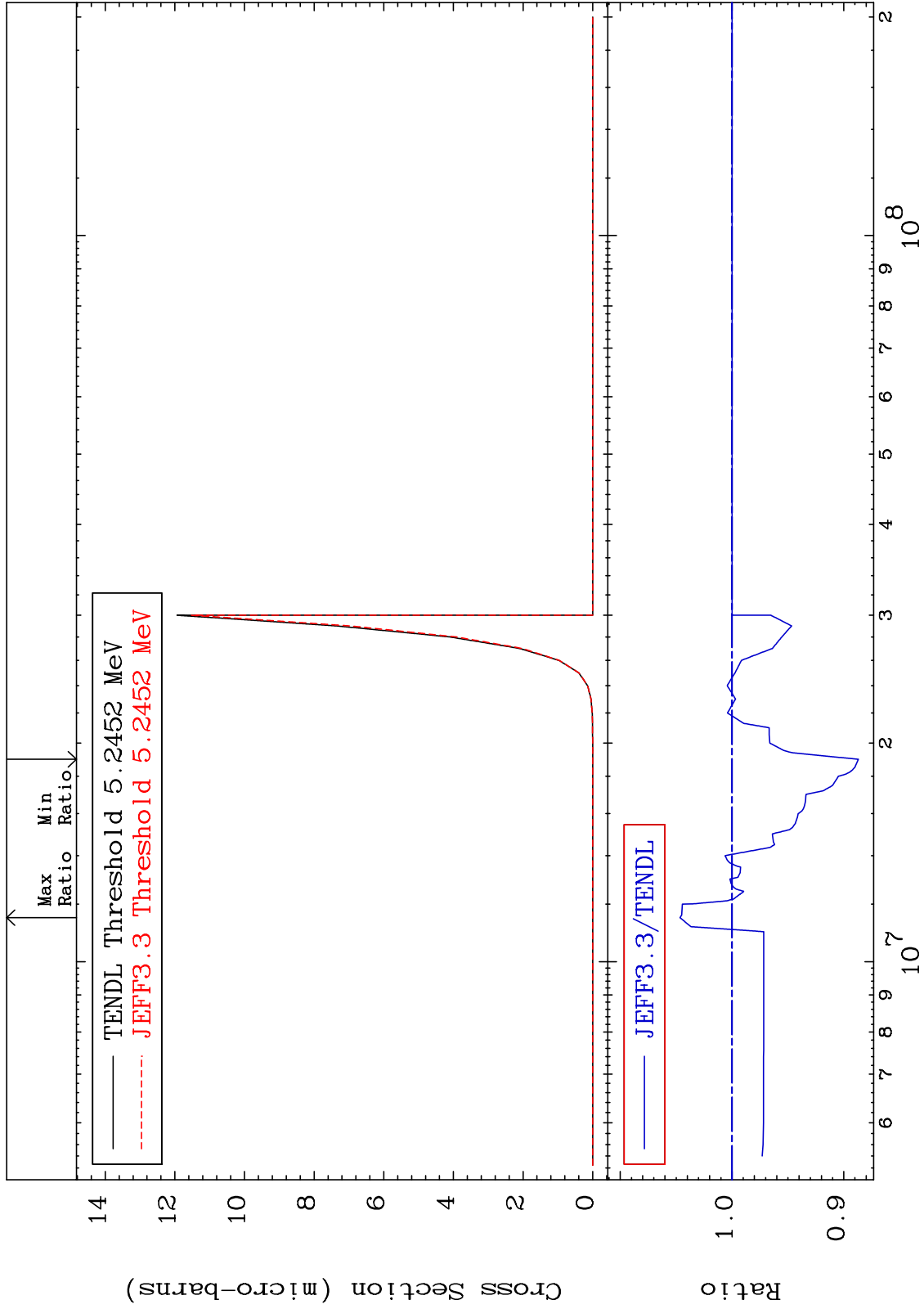
MAT 7634

(n,2p)

76-0s-187

Cross Section

-11.31 To 4.655 %



57

Incident Energy (eV)

76-0s-187

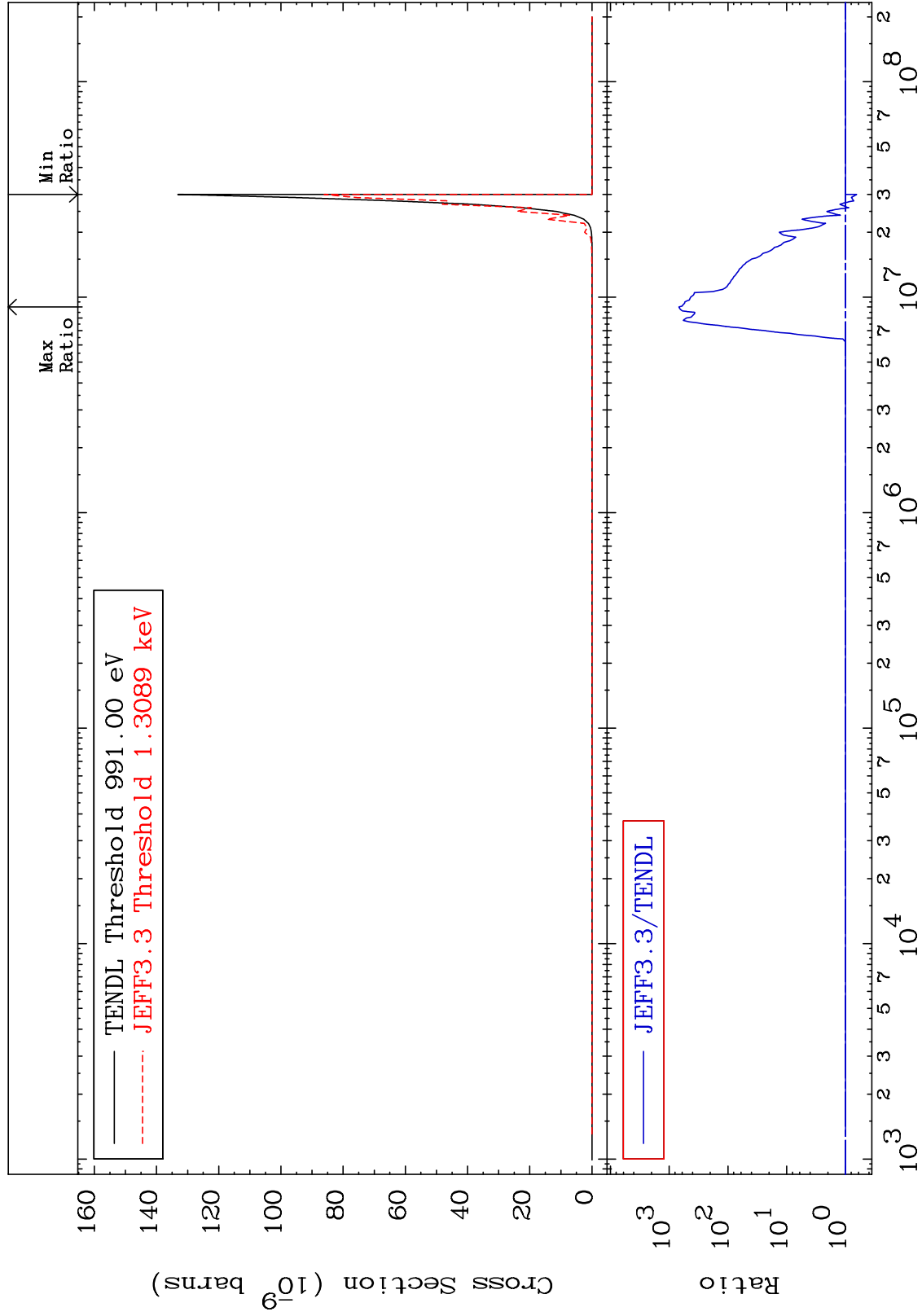
MAT 7634

(n,p) α

Cross Section

76-Os-187

-35.36 To 9999. %



58

Incident Energy (eV)

76-Os-187

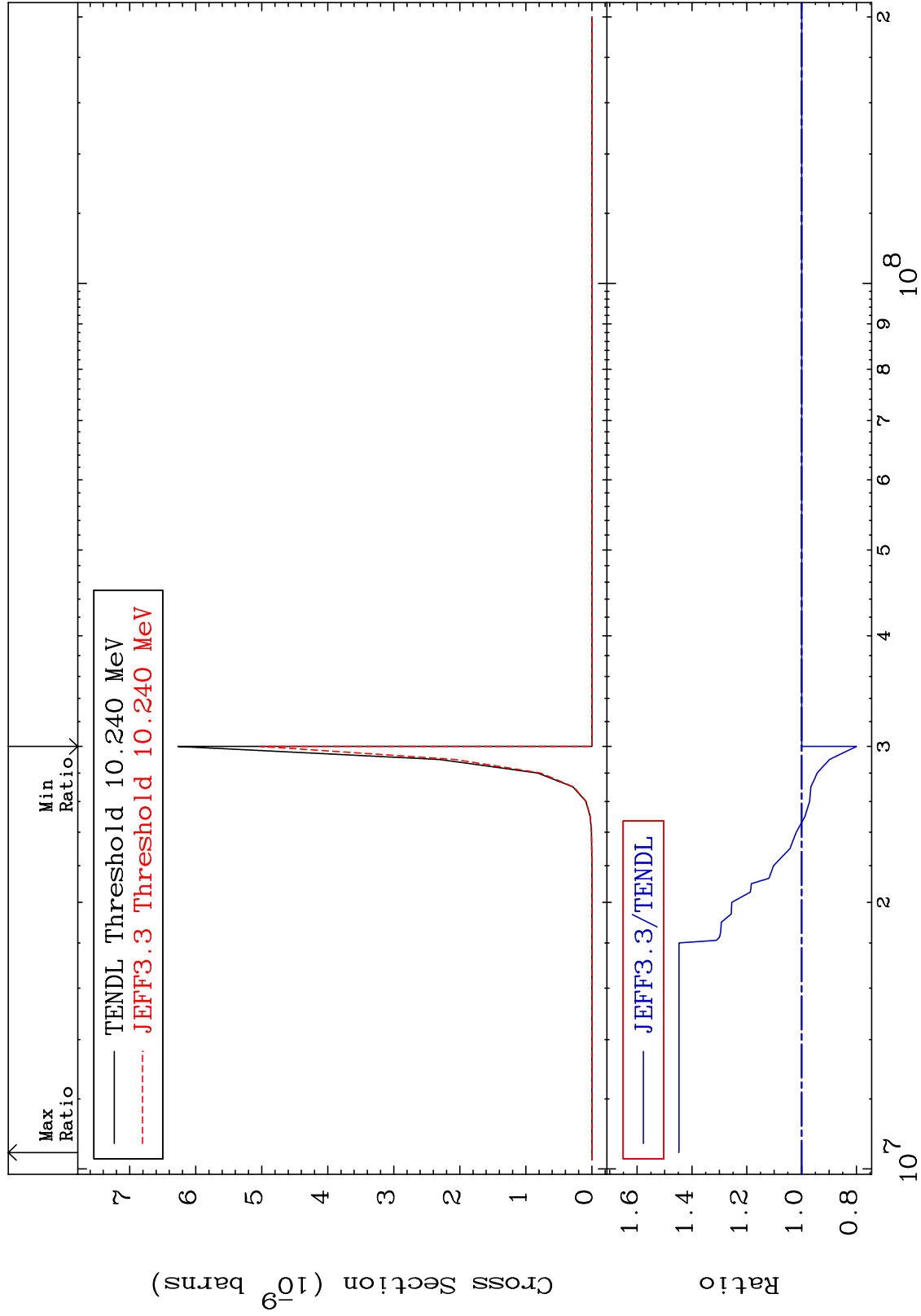
MAT 7634

(n,p) d

76-0s-187

Cross Section

-20.02 To 44.79 %



59

Incident Energy (eV)

76-0s-187

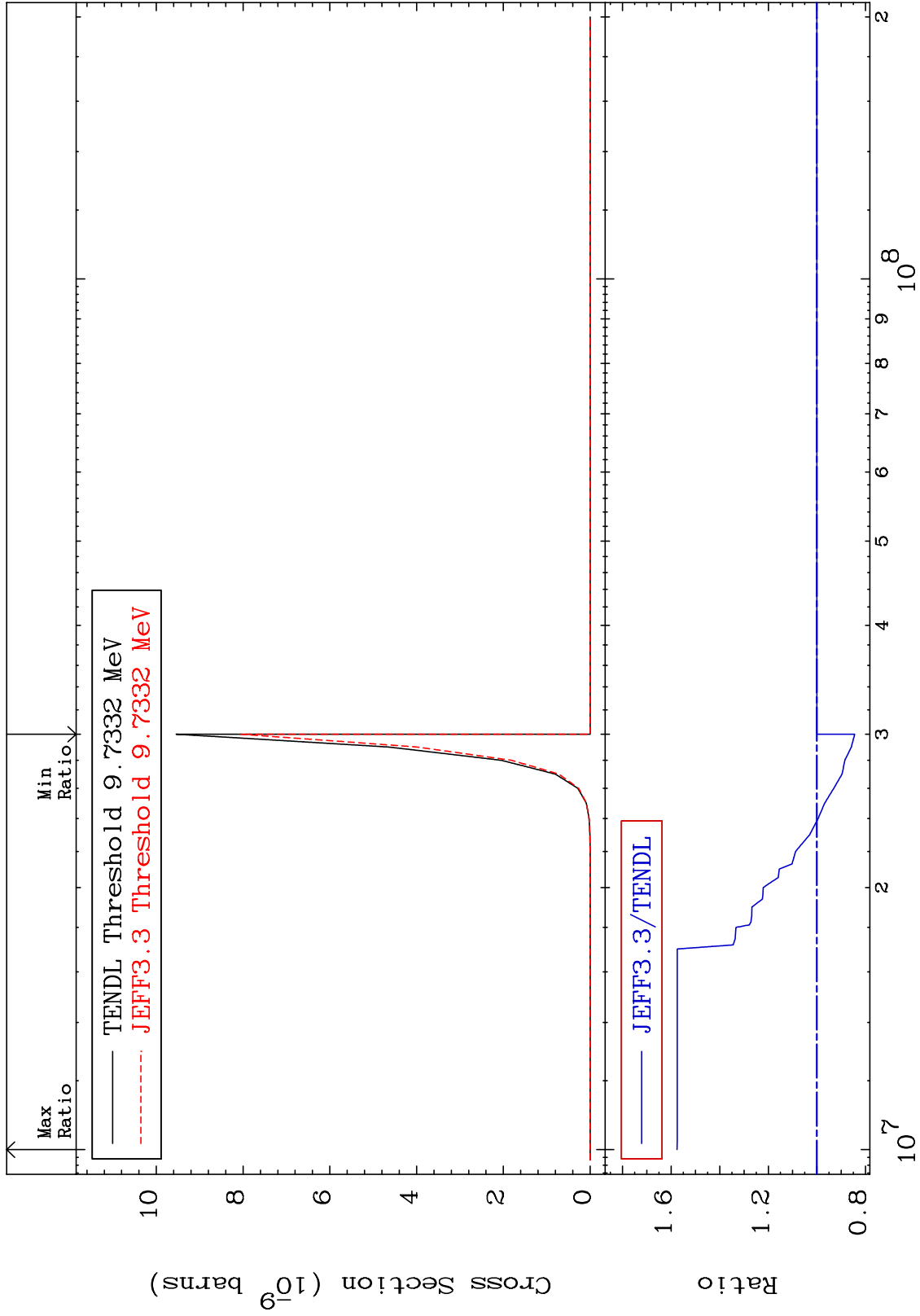
MAT 7634

(n,p) t

76-0s-187

Cross Section

-15.54 To 57.55 %



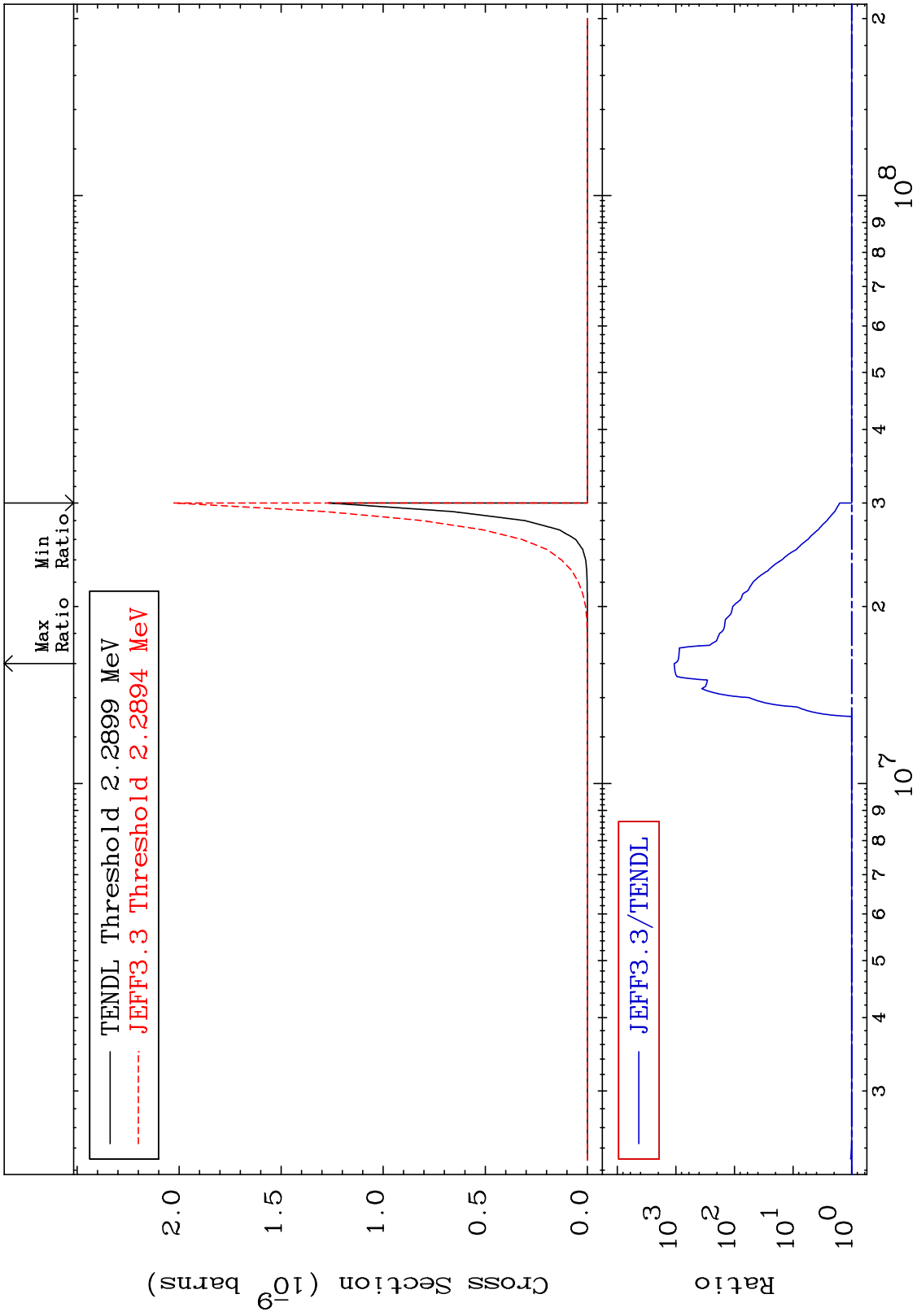
Incident Energy (eV)

76-0s-187

MAT 7634

(n,d) α
Cross Section

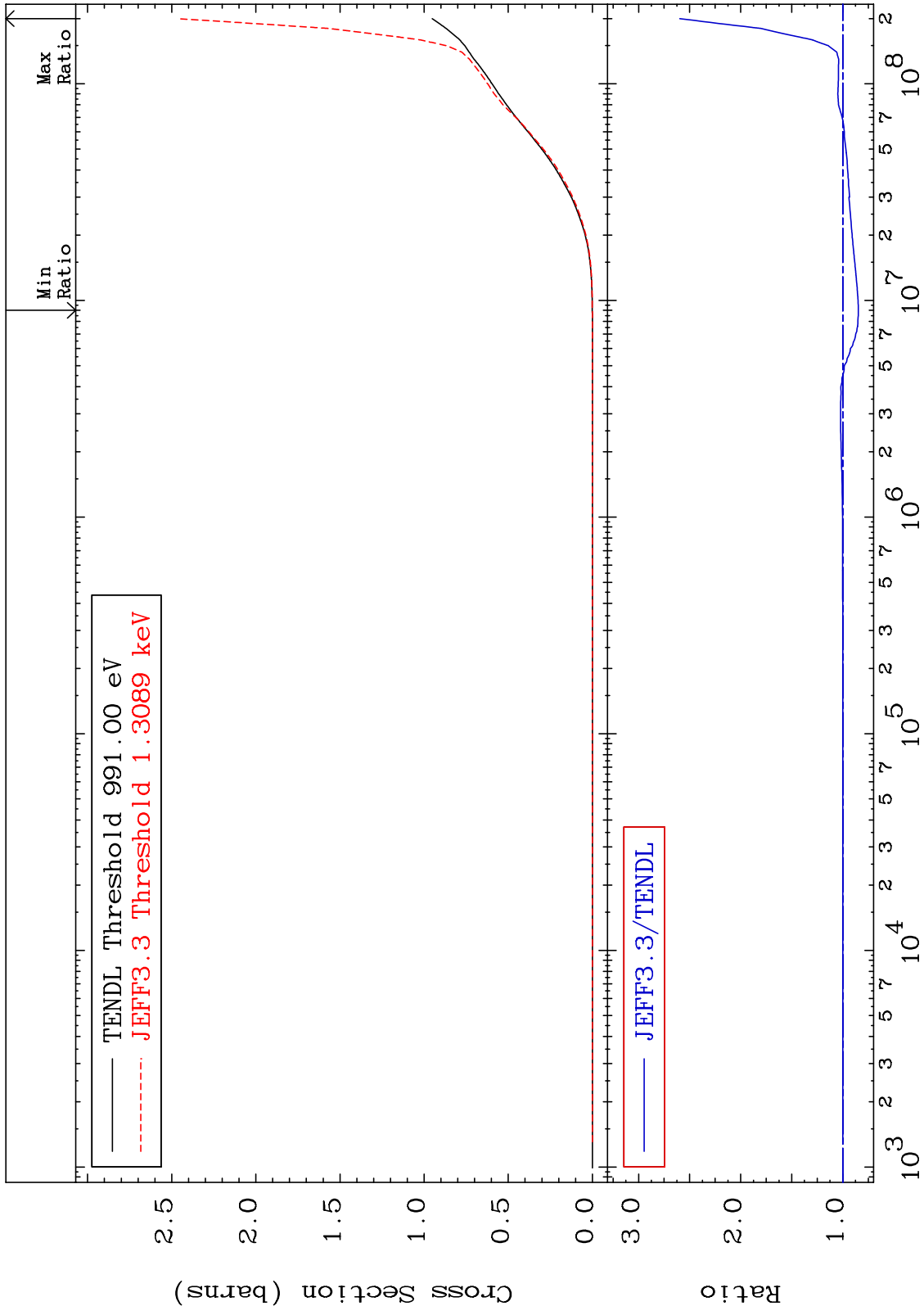
76-0s-187
To 9999. %
0.000



MAT 7634

Hydrogen Production
Cross Section

76-0s-187
-15.27 To 159.6 %



62

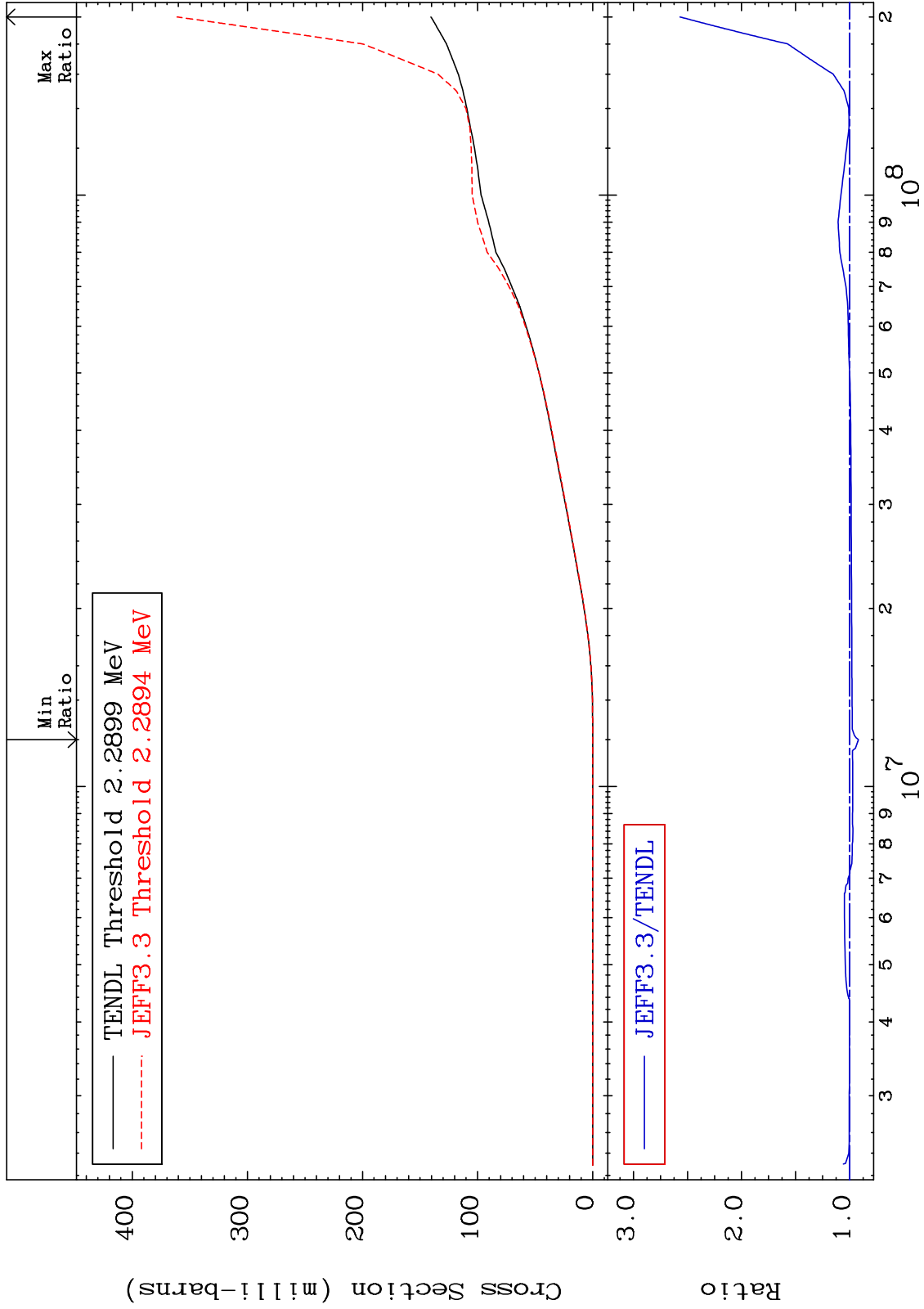
Incident Energy (eV)

76-0s-187

MAT 7634

Deuterium Production
Cross Section

76-0s-187
-8.182 To 157.0 %



63

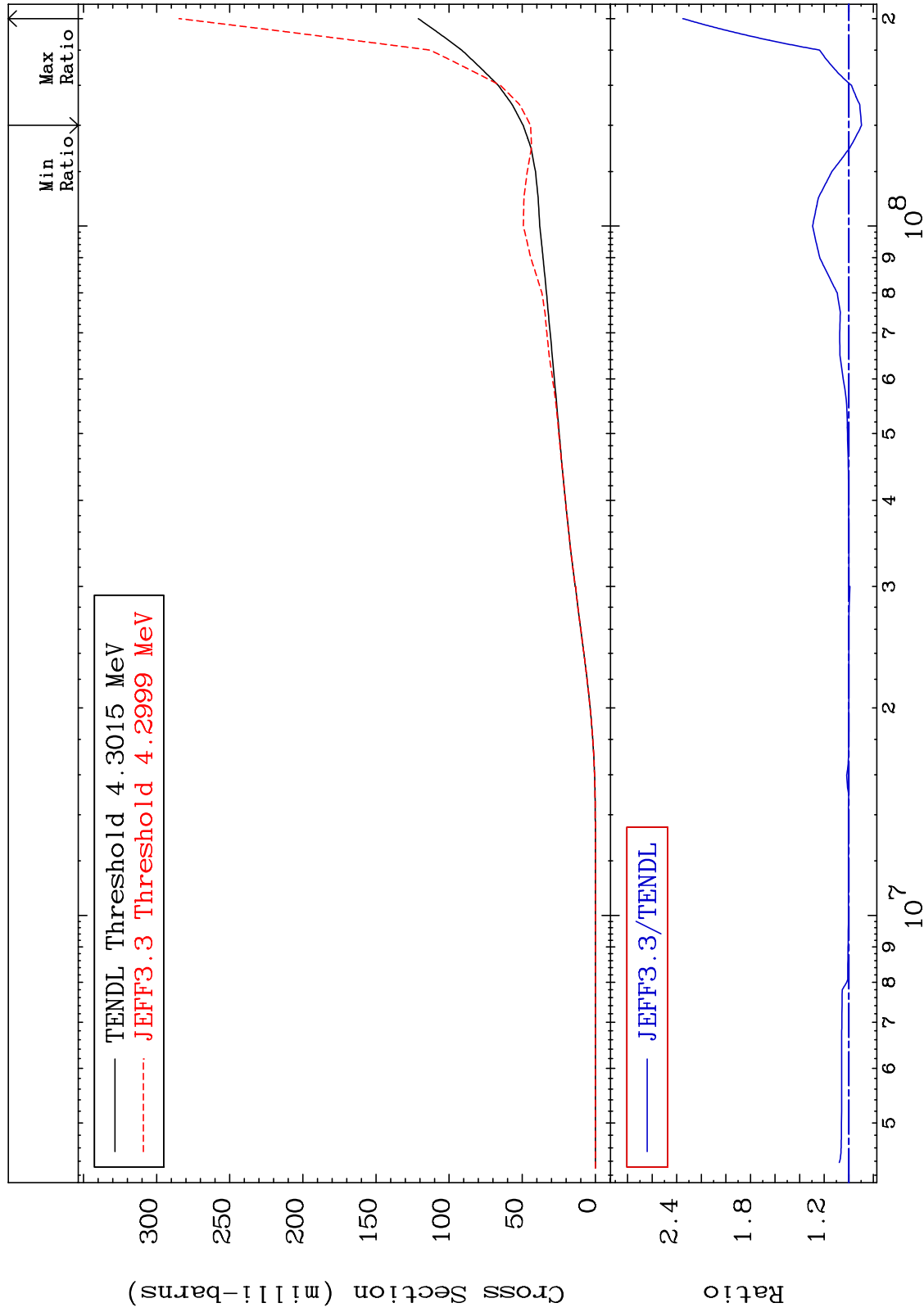
Incident Energy (eV)

76-0s-187

MAT 7634

Tritium Production
Cross Section

76-Os-187
-10.41 To 135.0 %



64

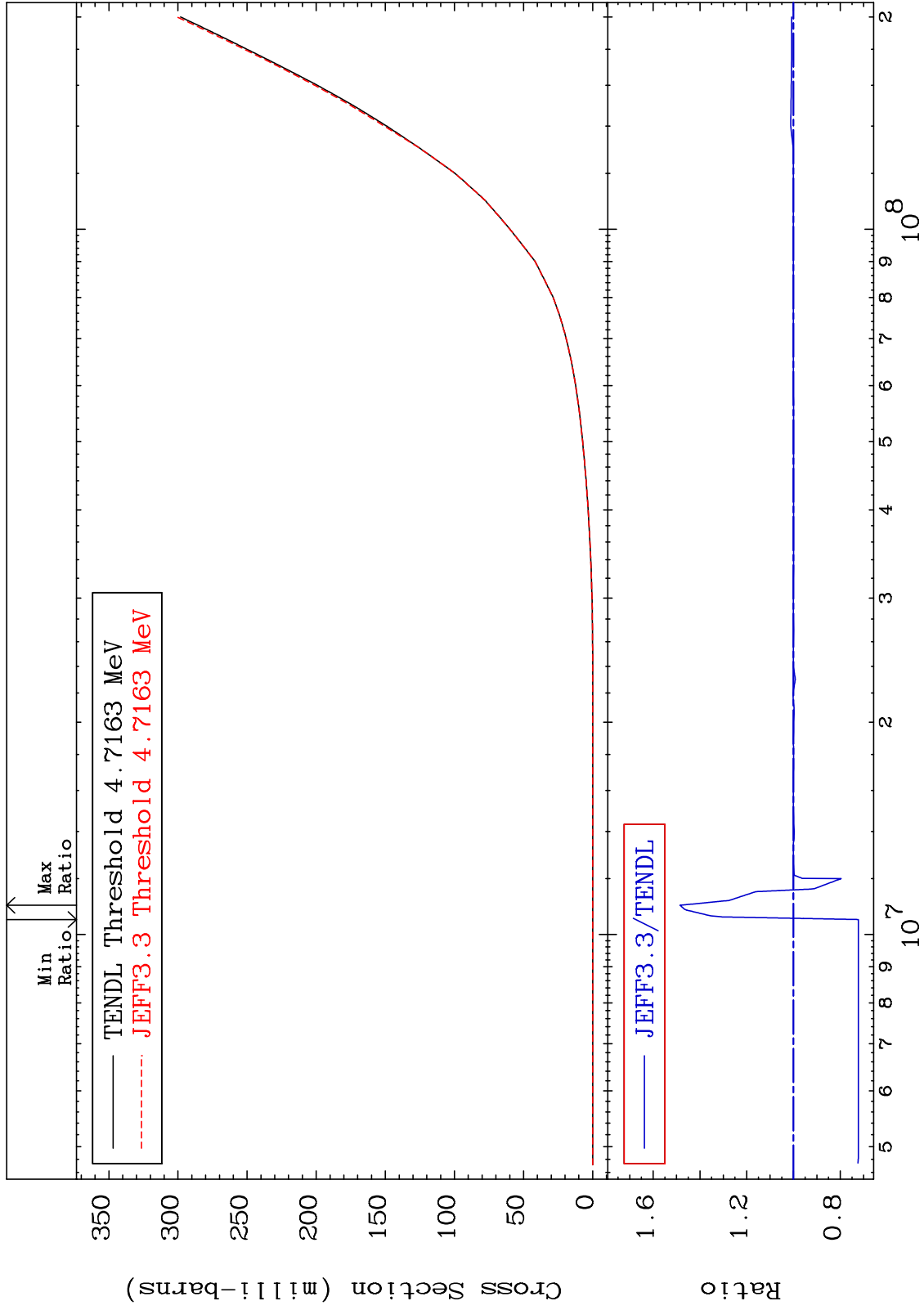
Incident Energy (eV)

76-Os-187

MAT 7634

He-3 Production
Cross Section

76-0s-187
-27.76 To 48.51 %



65

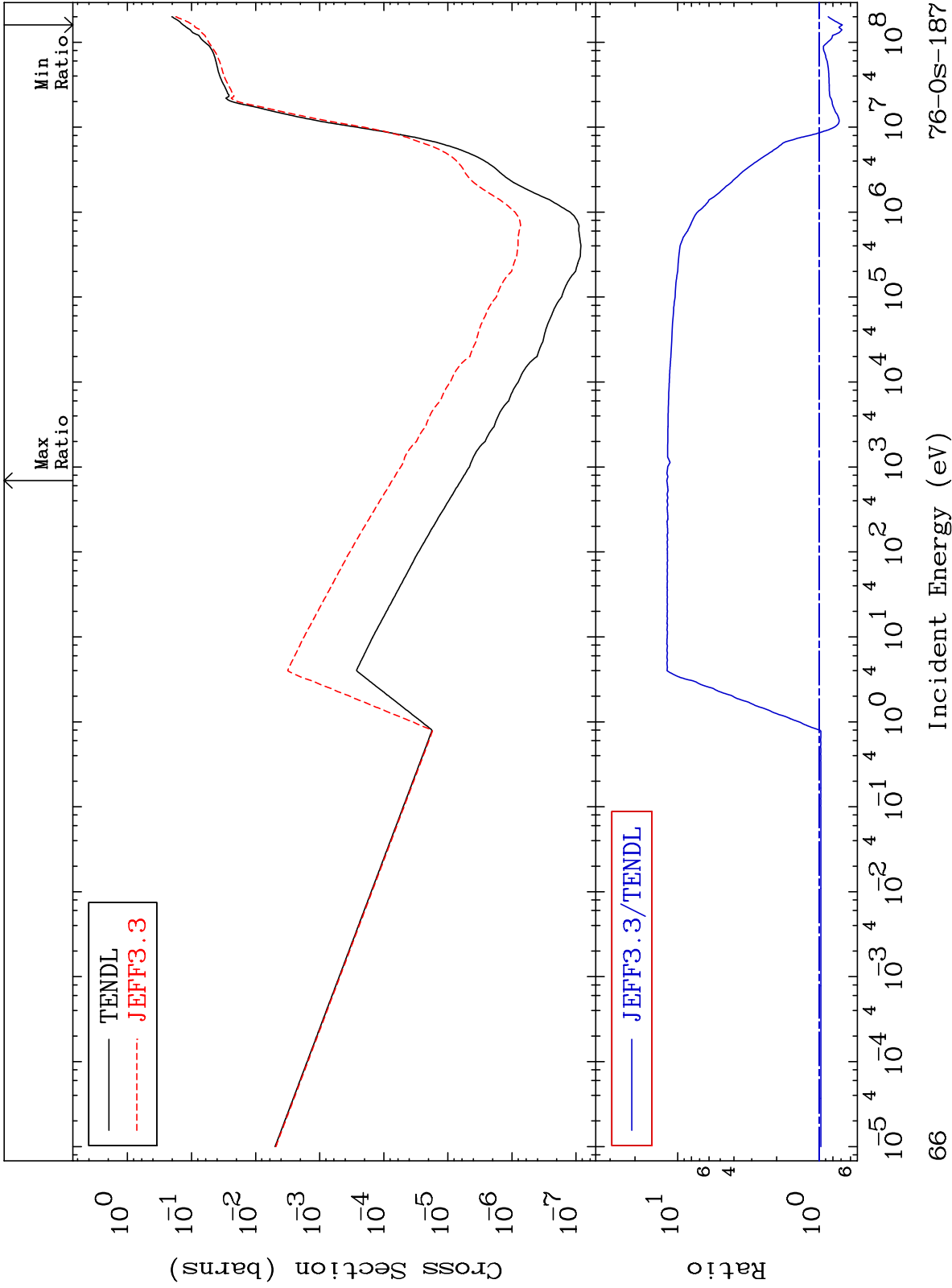
Incident Energy (eV)

76-0s-187

MAT 7634

He-4 Production
Cross Section

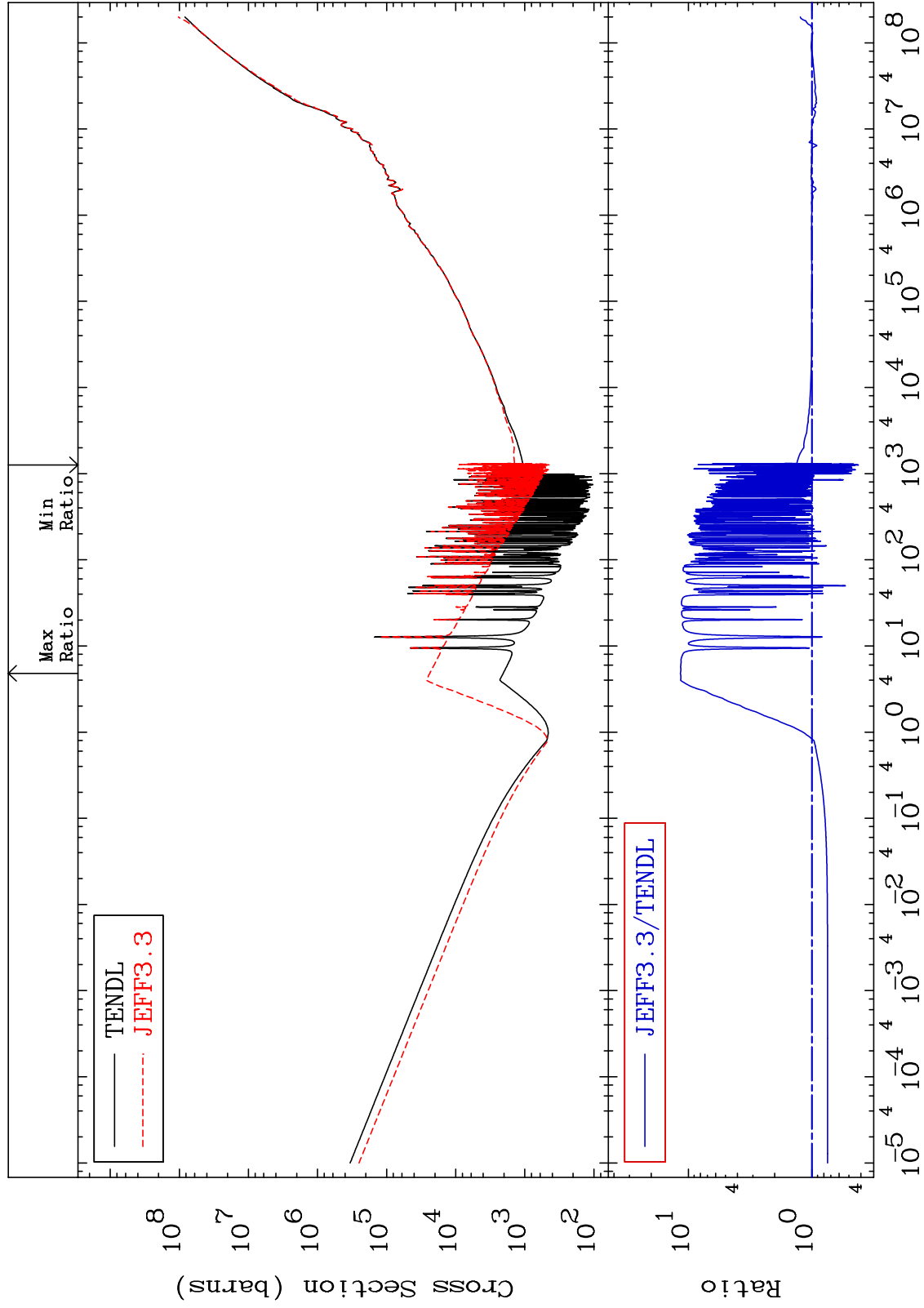
76-0s-187
-31.42 To 1093. %



MAT 7634

Kerma total (eV-barns)
Cross Section

76-0s-187
-58.18 To 1059. %



67

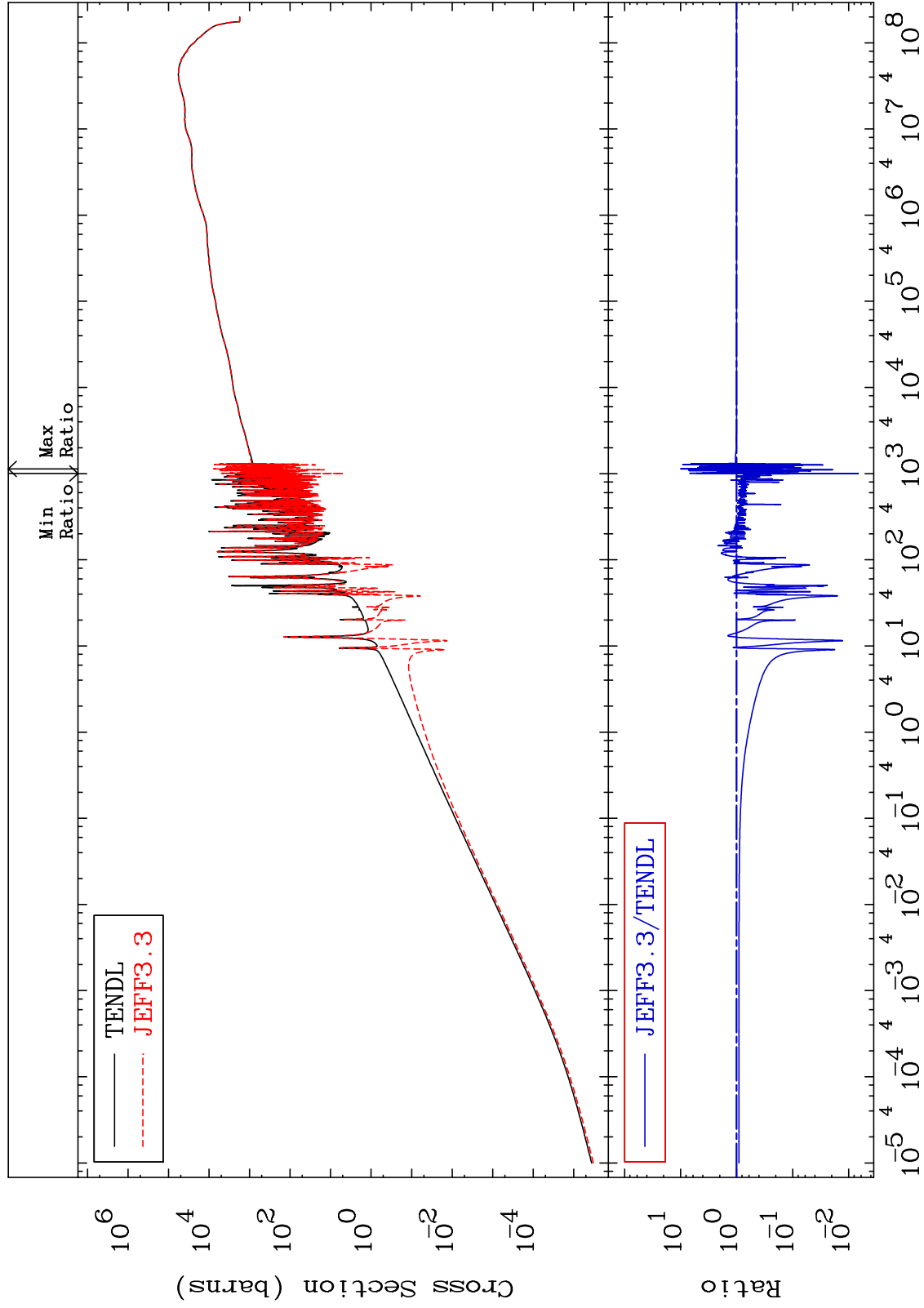
Incident Energy (eV)

76-0s-187

MAT 7634

Kerma elastic
Cross Section

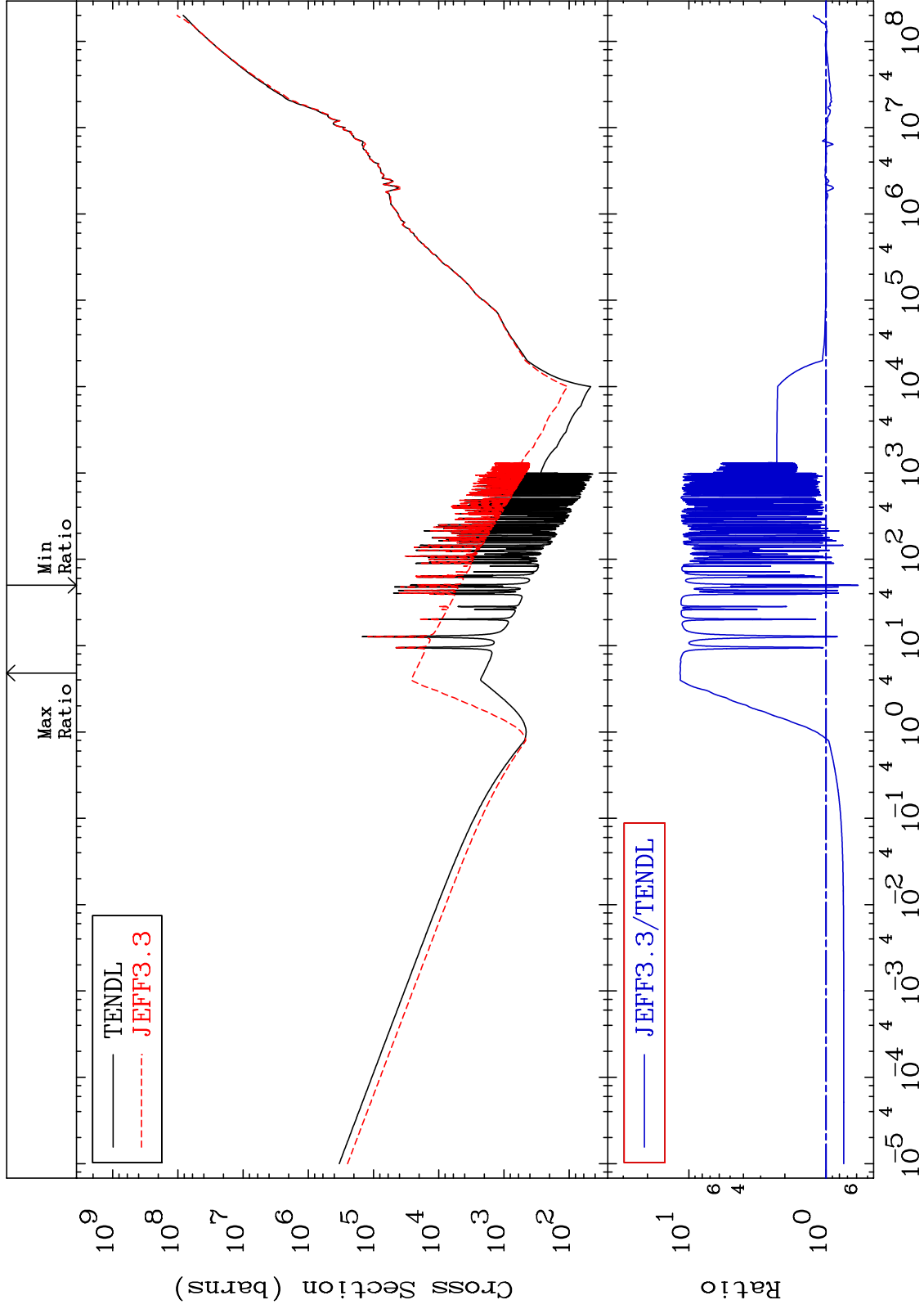
76-0s-187
-99.33 To 905.0 %



MAT 7634

Kerma non-elastic (all but mt2)
Cross Section

76-0s-187
-41.81 To 1059. %



69

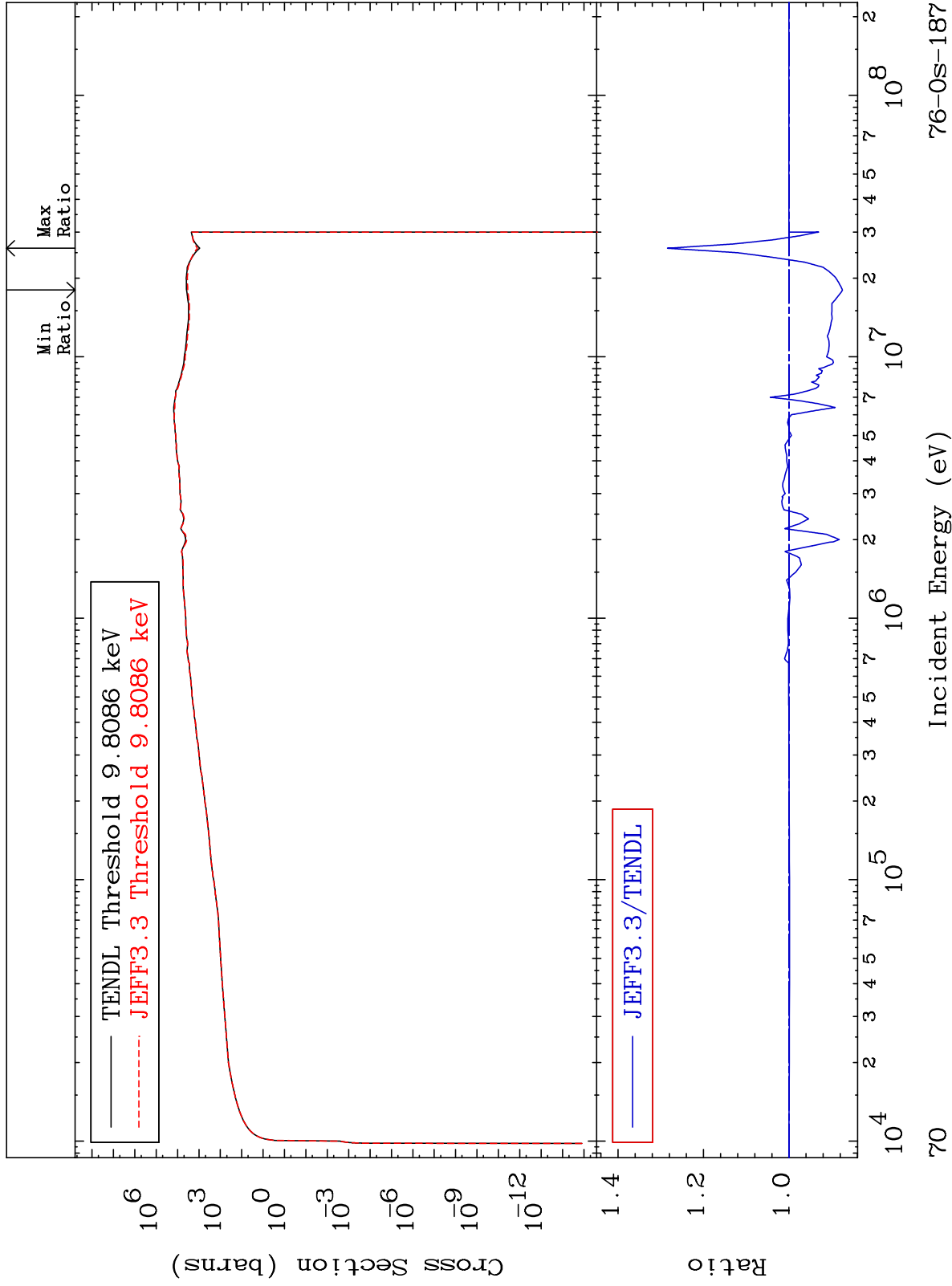
Incident Energy (eV)

76-0s-187

MAT 7634

Kerma inelastic (mt51-91)
Cross Section

76-0s-187
-12.56 To 28.41 %

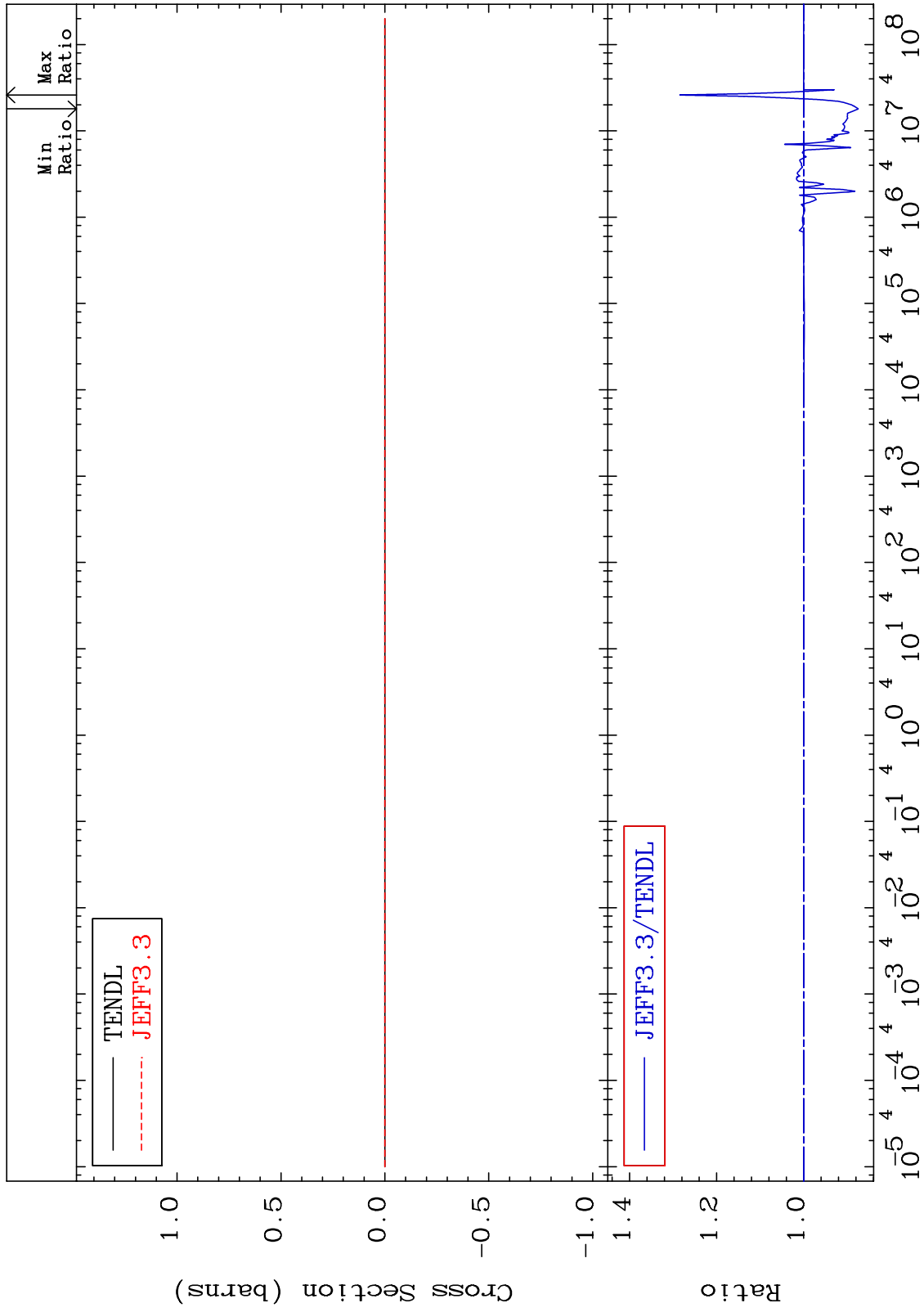


76-0s-187

MAT 7634

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

76-0s-187
-12.56 To 28.41 %



71

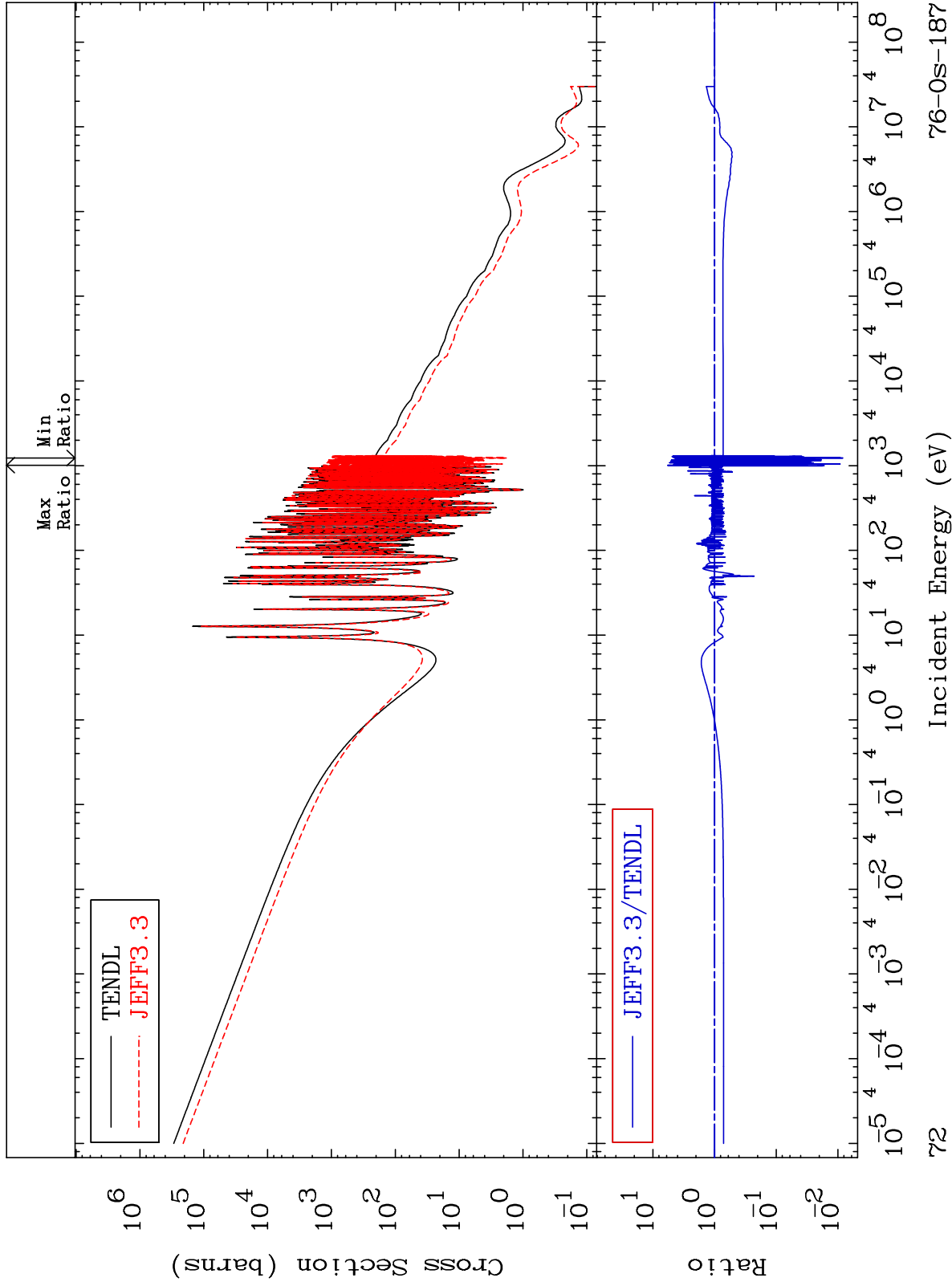
Incident Energy (eV)

76-0s-187

MAT 7634

Kerma capture (mt102)
Cross Section

76-0s-187
-99.16 To 478.9 %



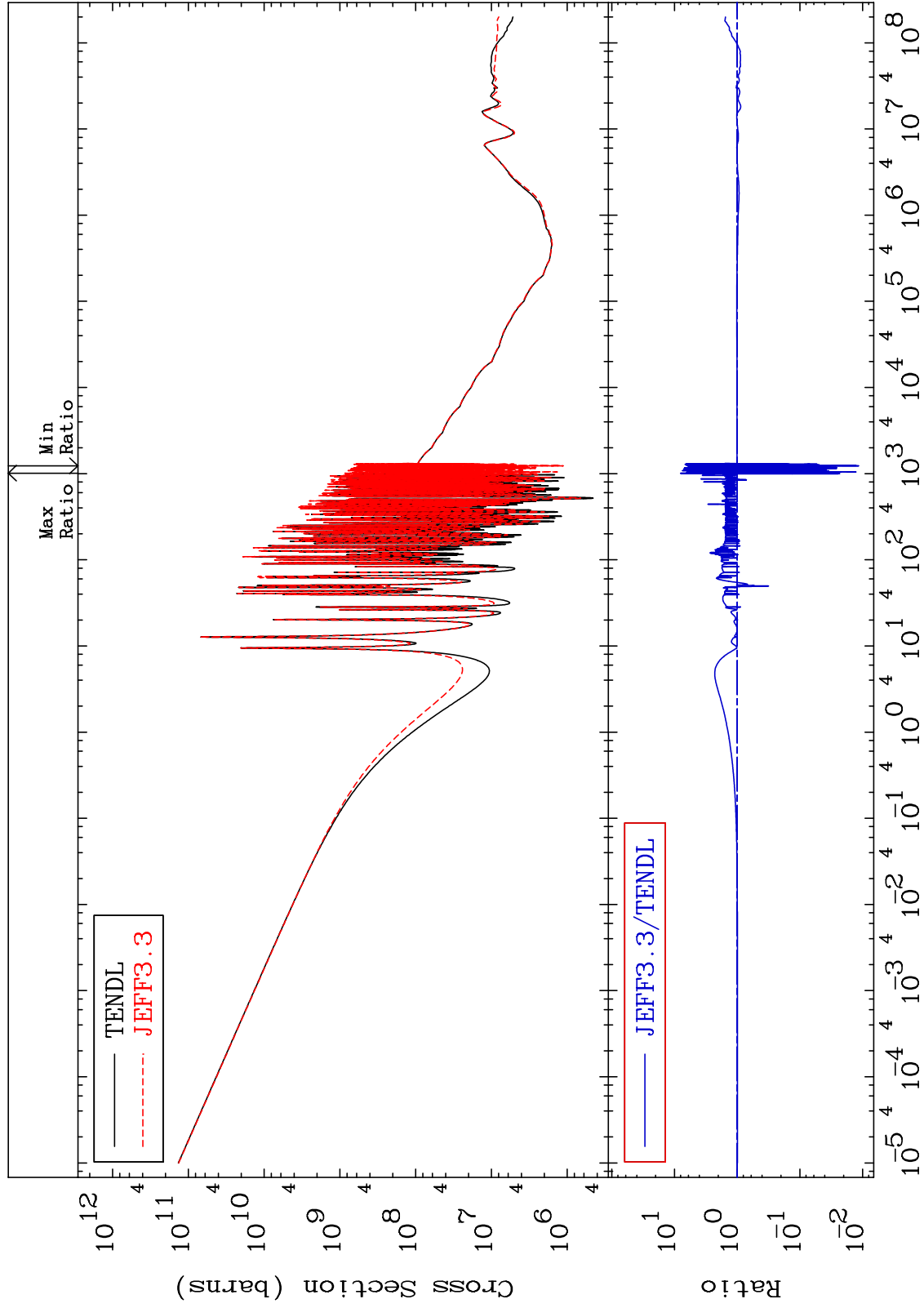
72

76-0s-187

MAT 7634

Total photon (eV-barns)
Cross Section

76-0s-187
-98.84 To 703.1 %



73

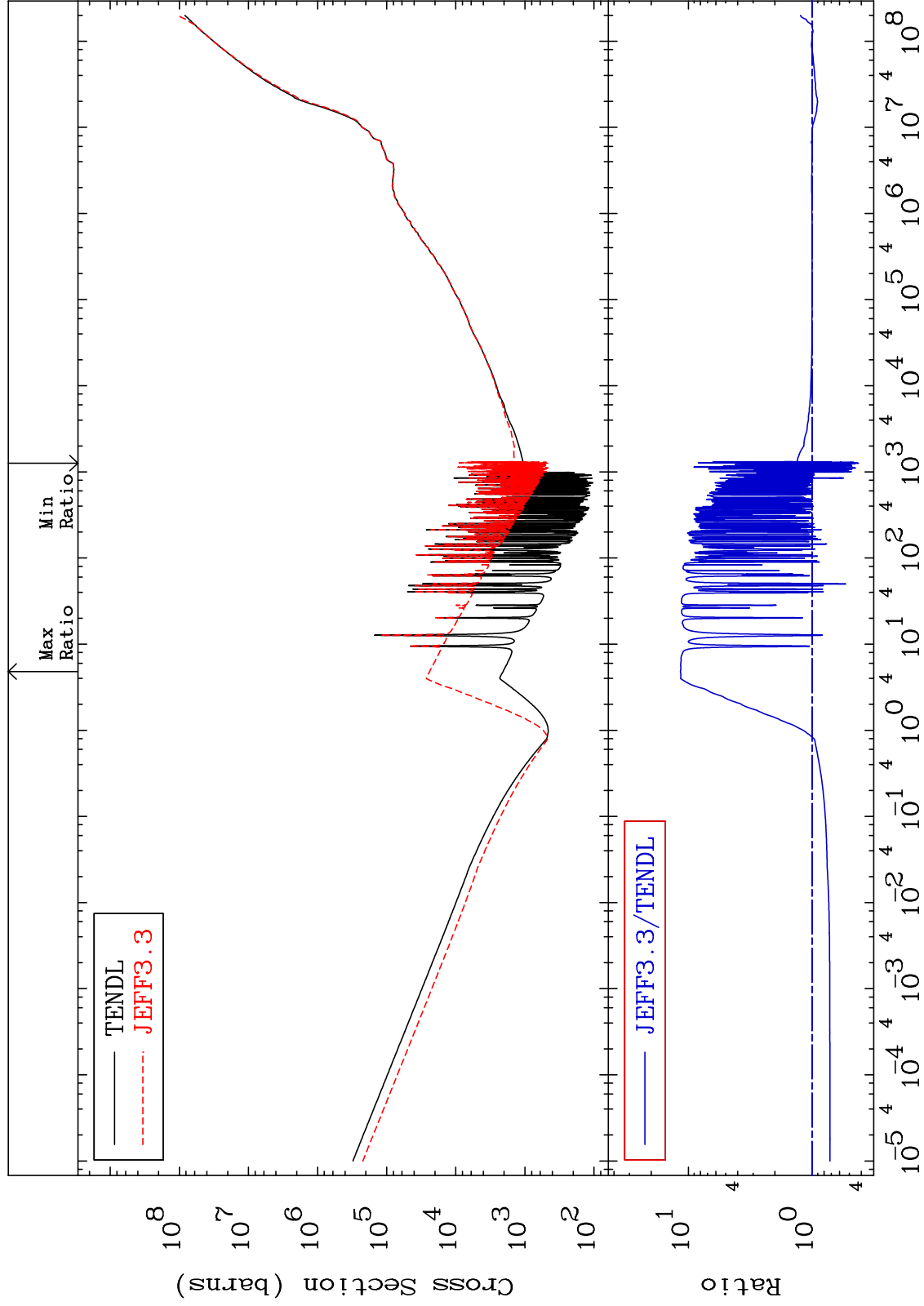
Incident Energy (eV)

76-0s-187

MAT 7634

Total kinematic kerma (high limit)
Cross Section

76-0s-187
-57.89 To 1059. %



74

Incident Energy (eV)

76-0s-187

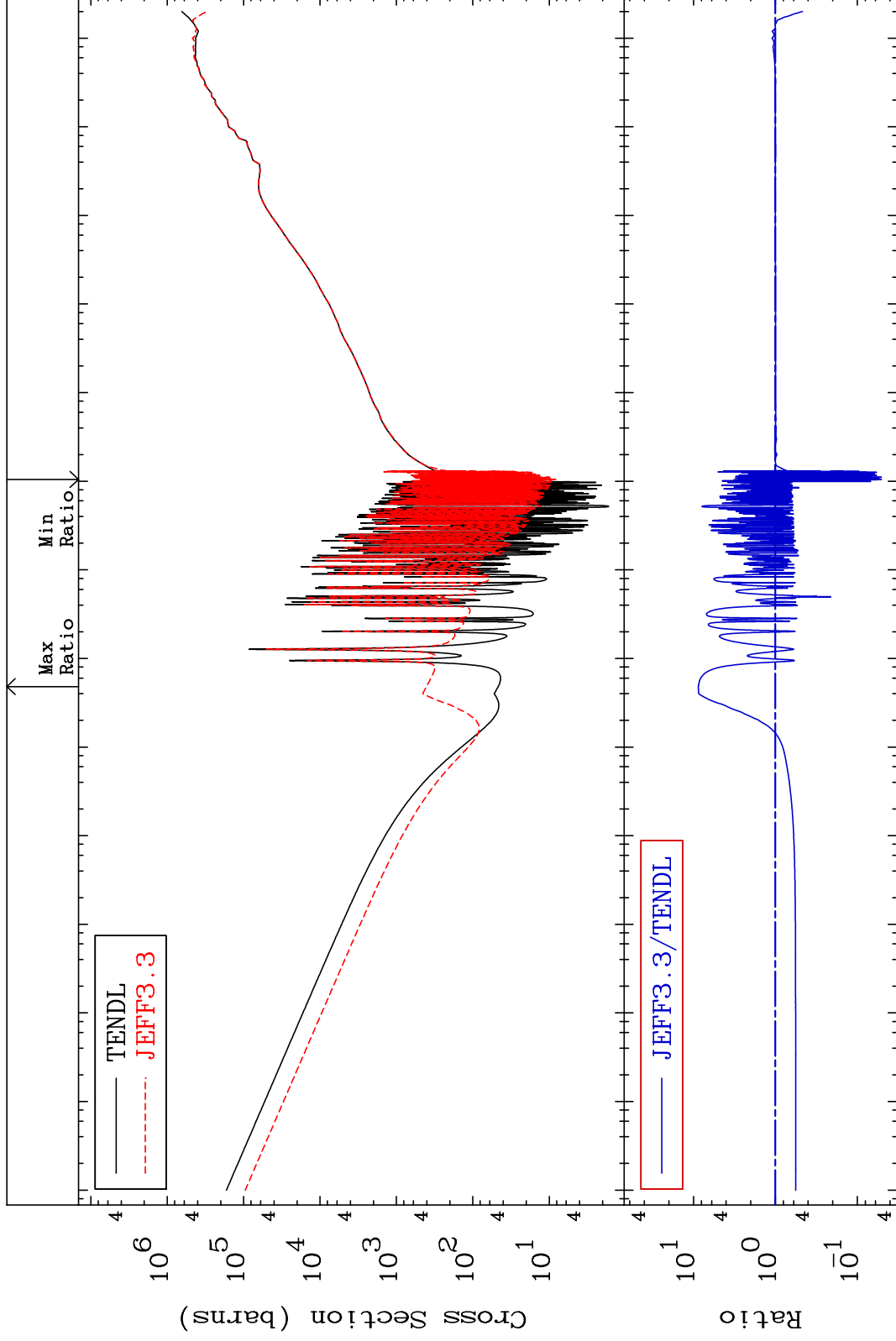
MAT 7634

Dpa total (eV-barns)

76-0s-187

Cross Section

-94.94 To 773.3 %



75

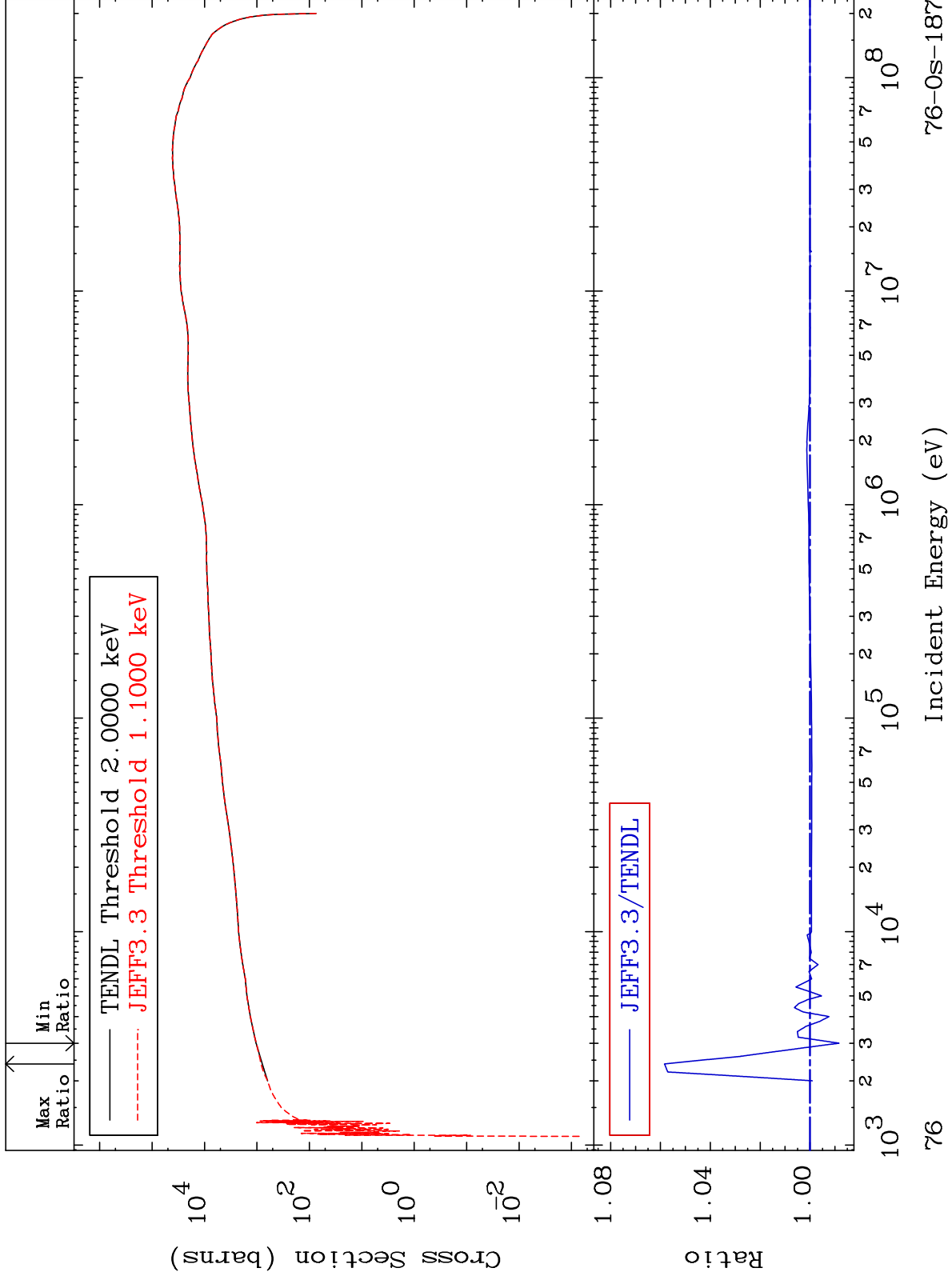
Incident Energy (eV)

76-0s-187

MAT 7634

Dpa elastic (mt2)
Cross Section

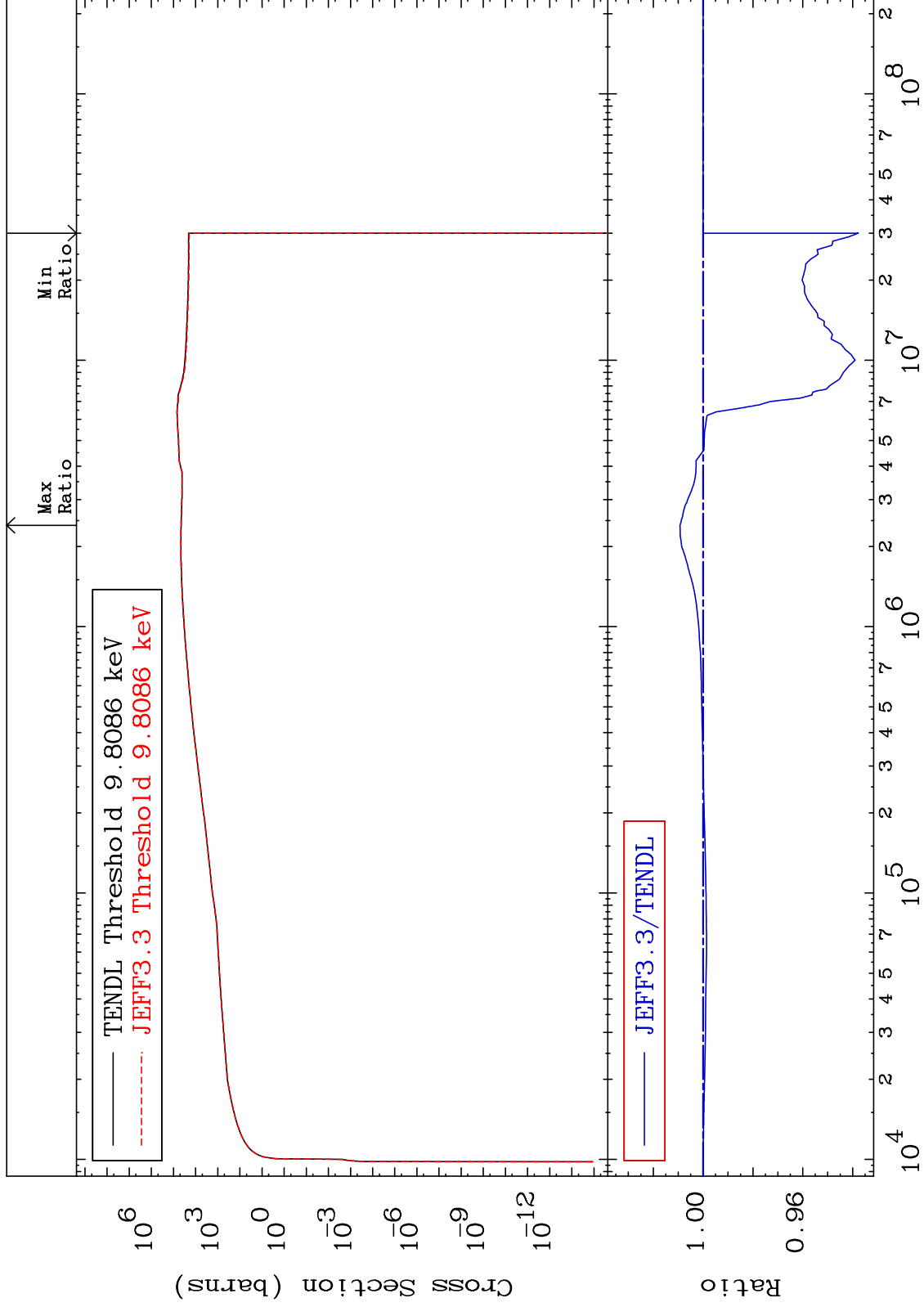
76-0s-187
-1.164 To 5.837 %



MAT 7634

Dpa inelastic (mt51-91)
Cross Section

76-0s-187
-6.232 To 0.927 %



77

Incident Energy (eV)

76-0s-187

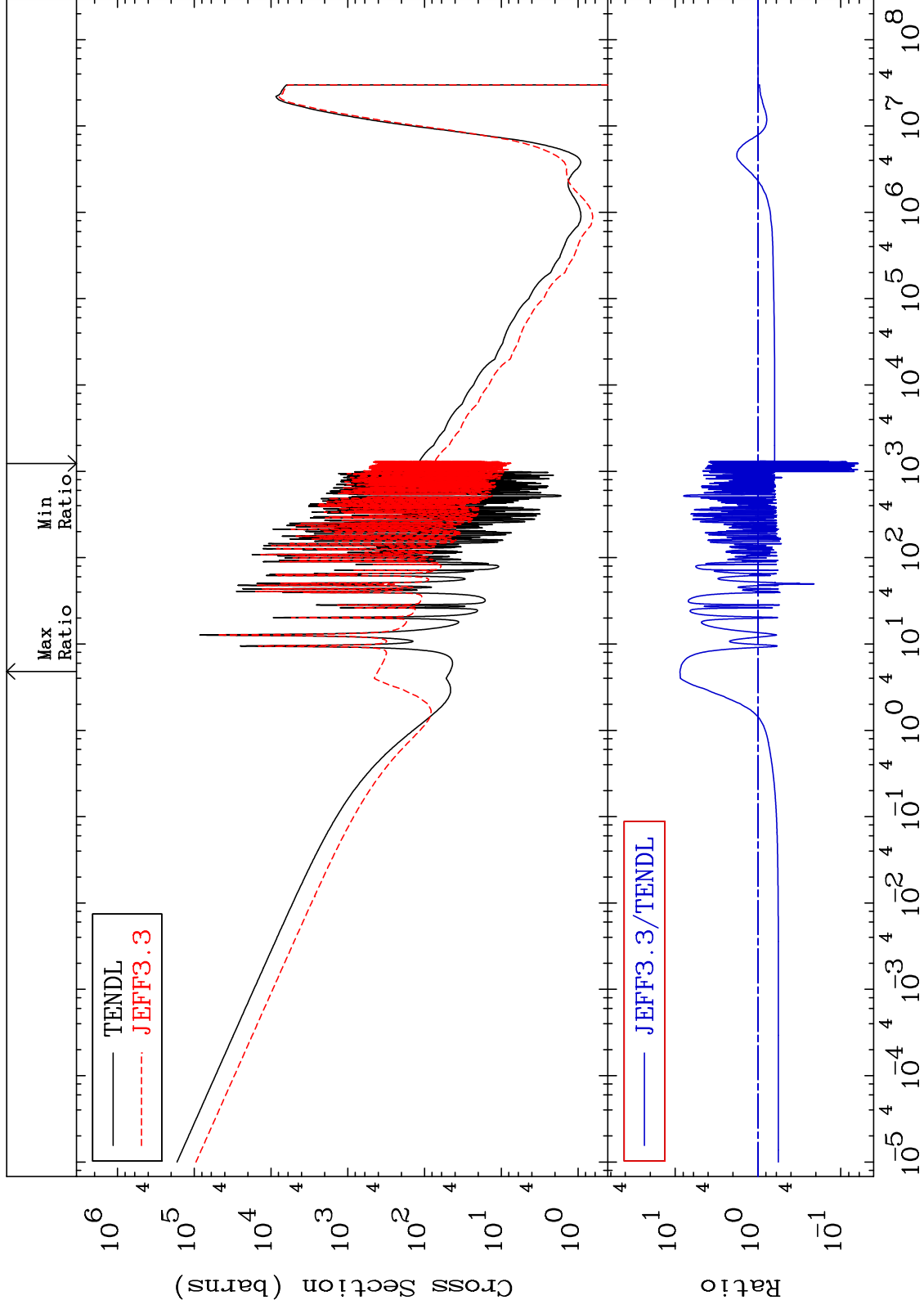
MAT 7634

Dpa disappearance (mt102 -120)

76-0s-187

-93.88 To 773.3 %

Cross Section



78

Incident Energy (eV)

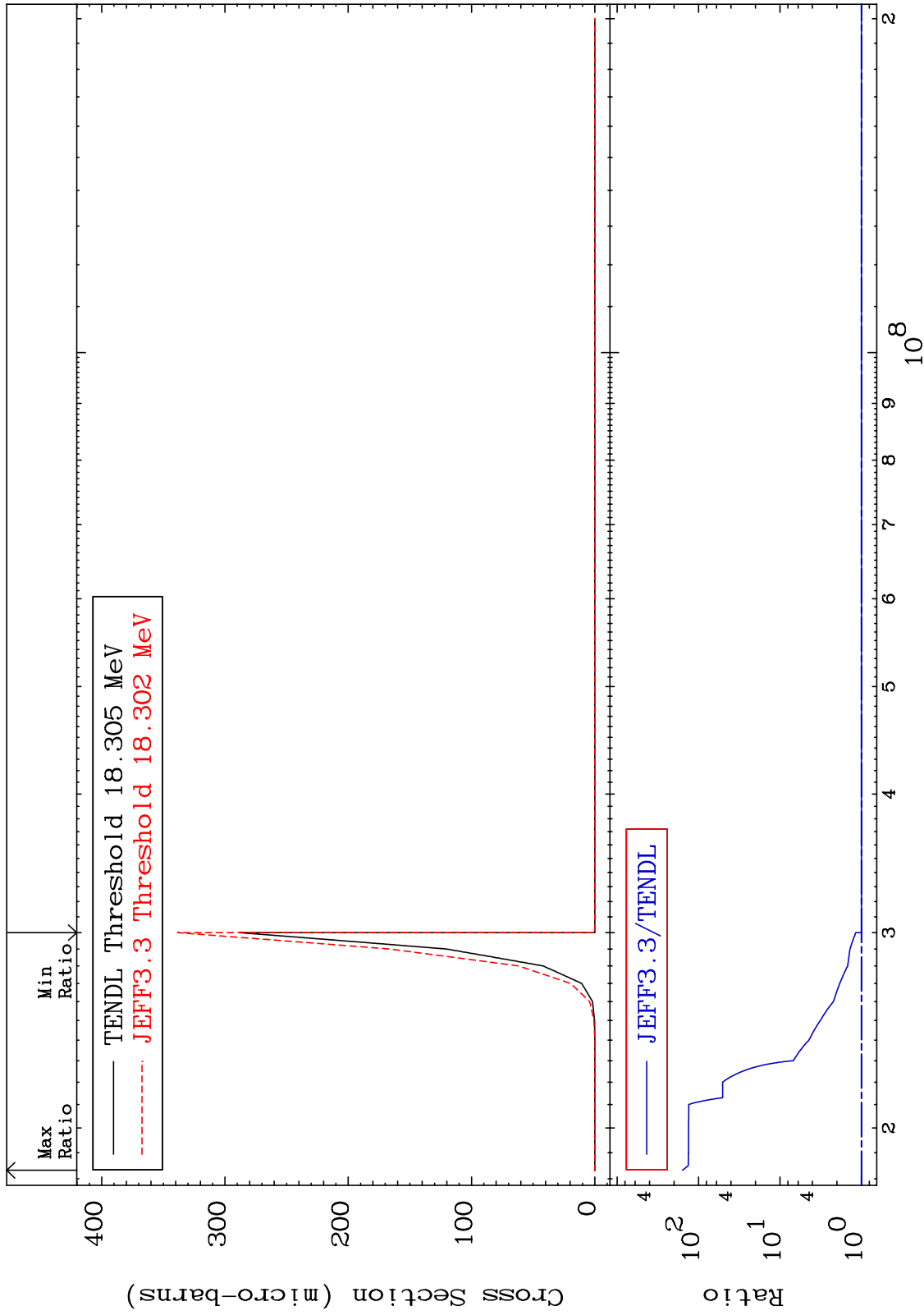
76-0s-187

MAT 7634

(n,2n) d:75-Re-184g

76-0s-187

Radionuclide Production Cross Section 0.000 To 9999. %



79

Incident Energy (eV)

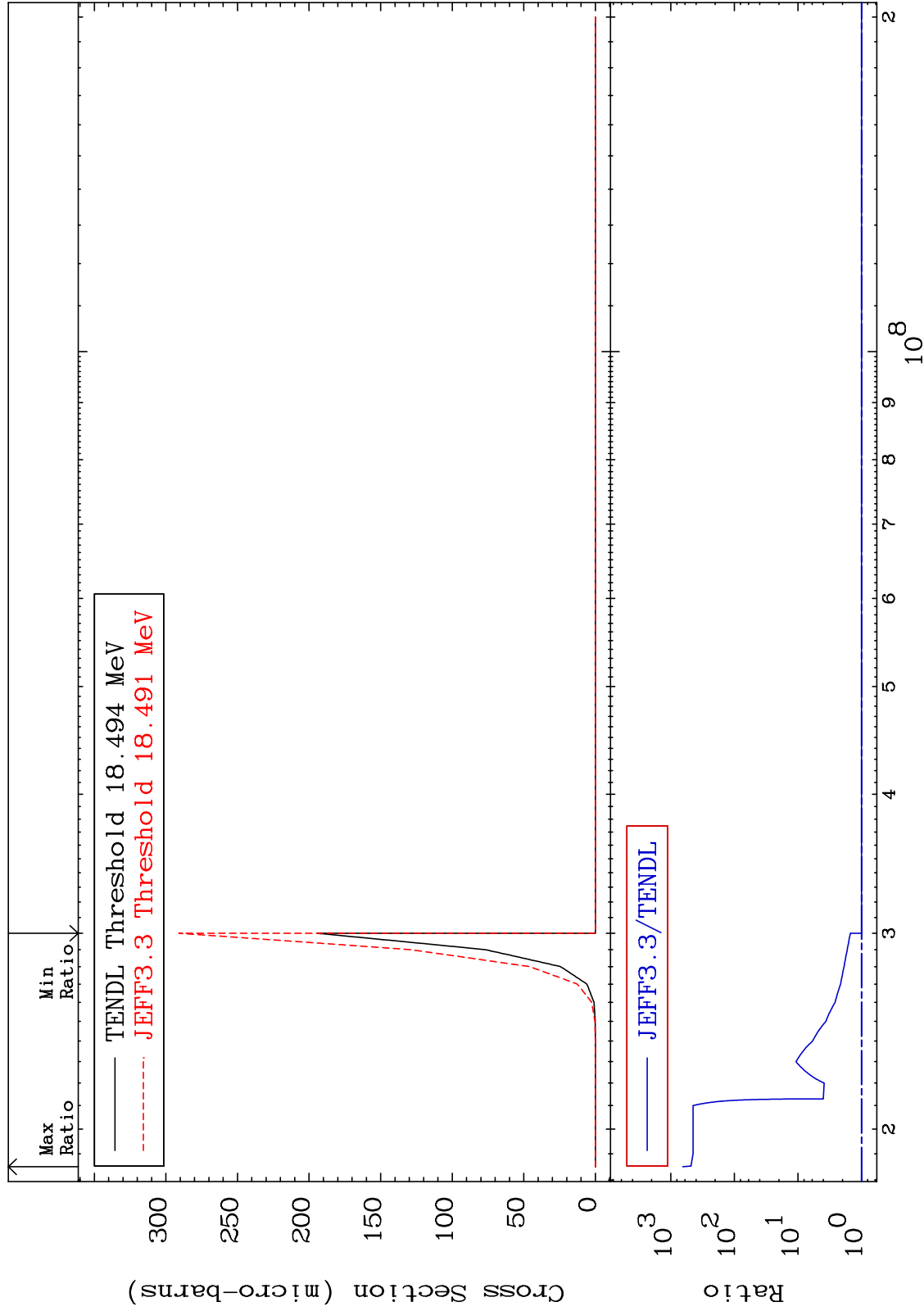
76-0s-187

MAT 7634

(n,2n) d:75-Re-184m5

76-0s-187

Radionuclide Production Cross Section 0.000 To 9999. %



80

Incident Energy (eV)

76-0s-187

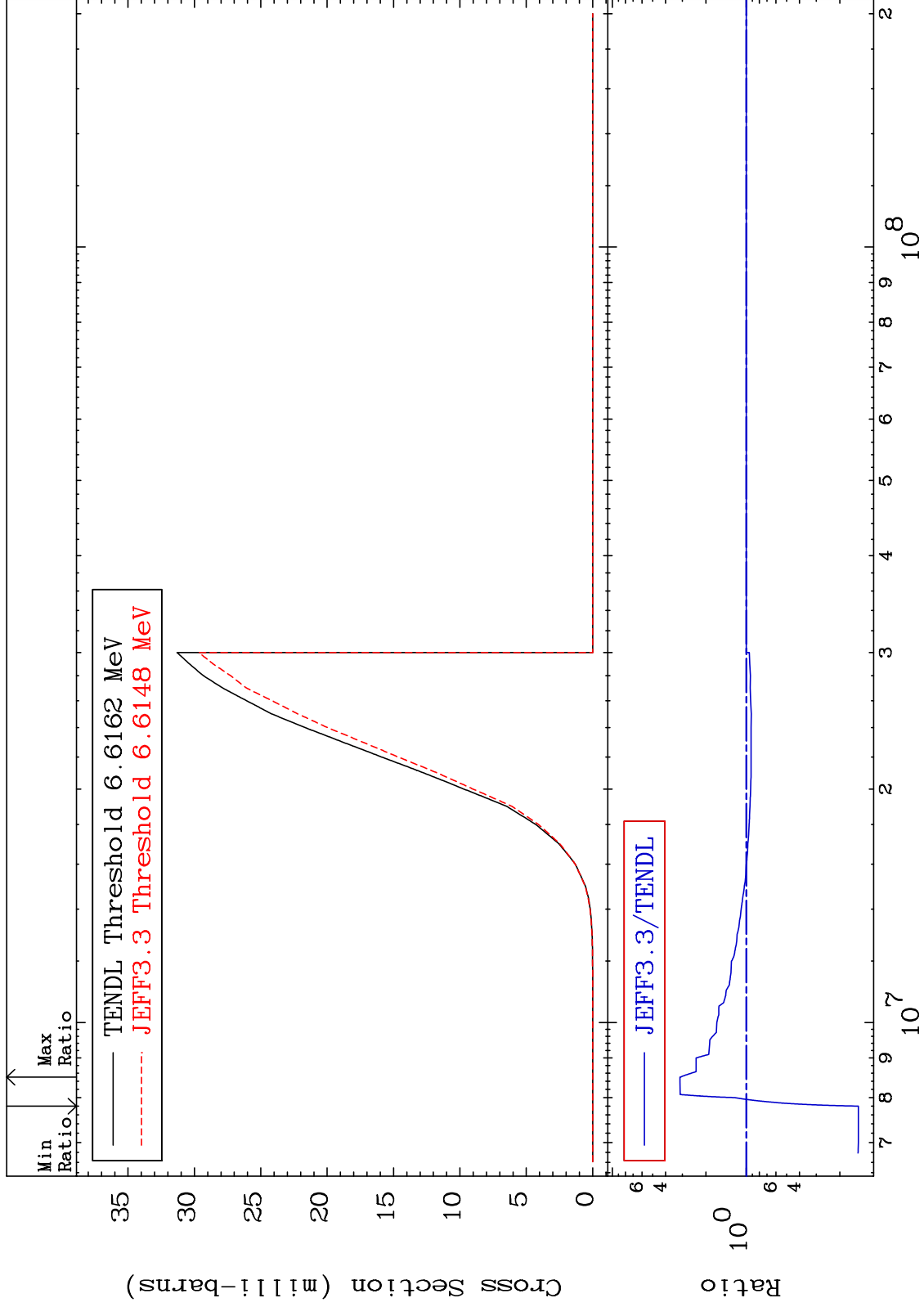
MAT 7634

(n, n') p:75-Re-186g

76-0s-187

Radionuclide Production Cross Section

-85.46 To 212.3 %

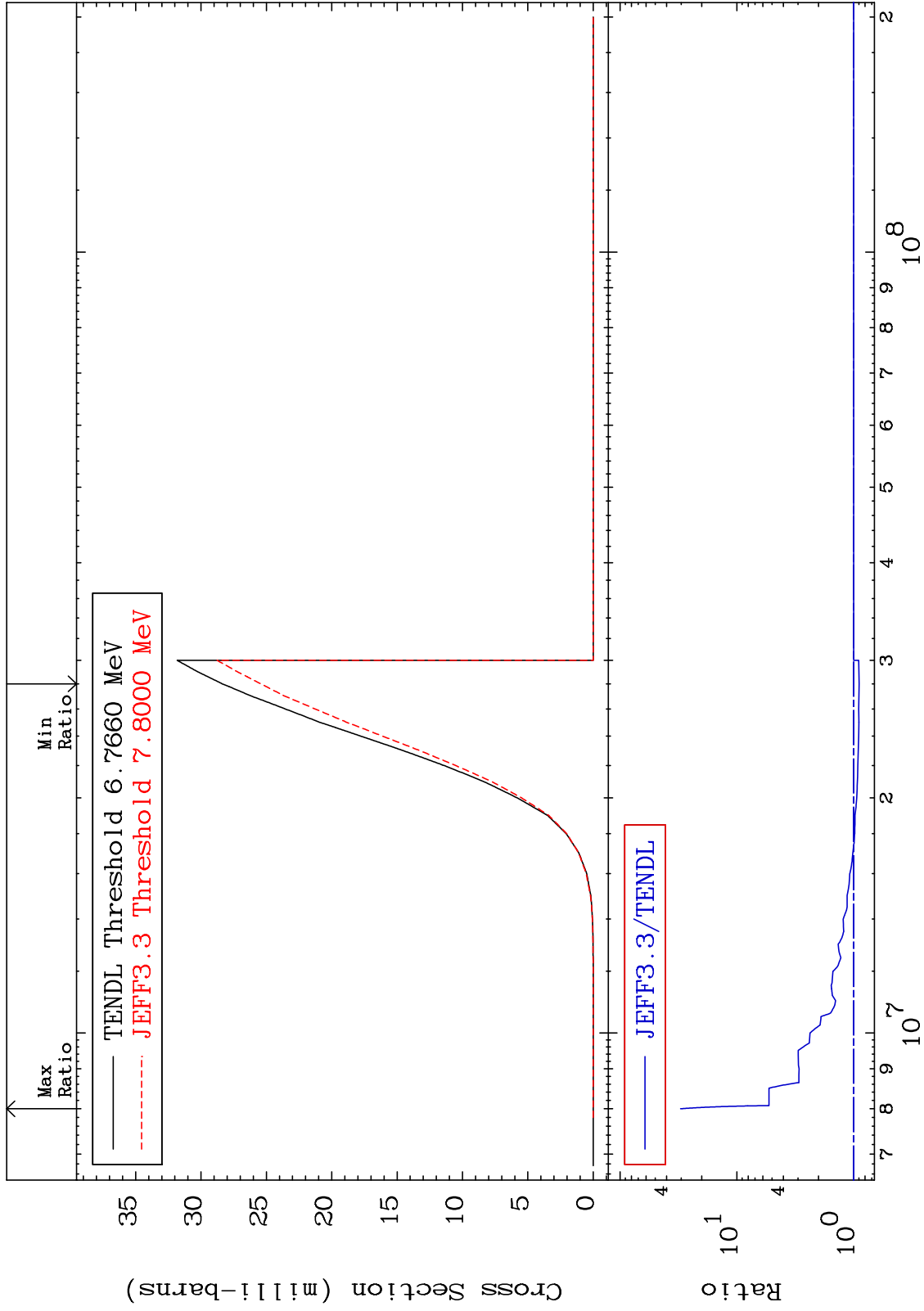


MAT 7634

(n, n') p:75-Re-186m4

76-0s-187

Radionuclide Production Cross Section -10.36 To 2931. %

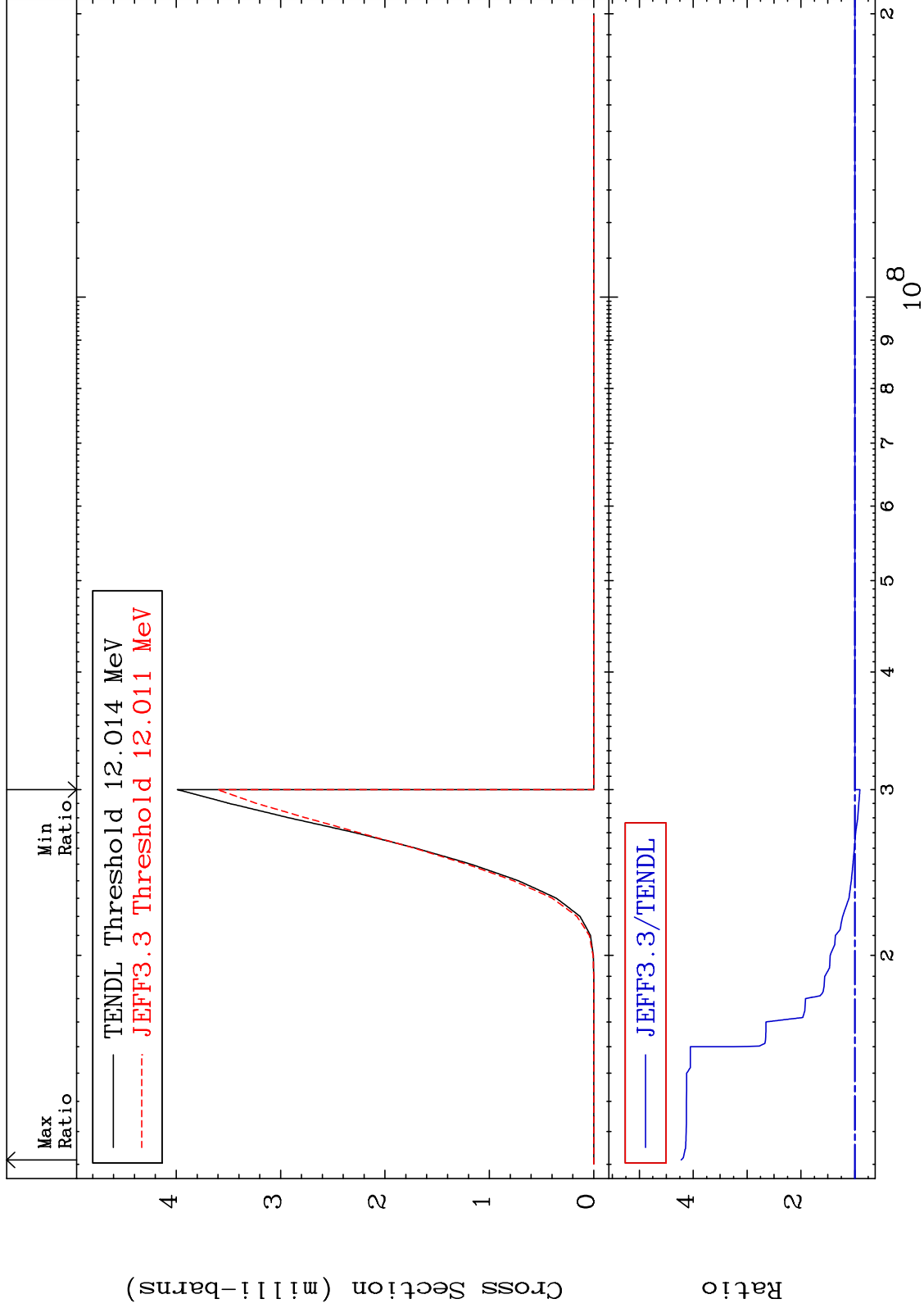


MAT 7634

(n, n') t:75-Re-184g

76-0s-187

Radionuclide Production Cross Section -9.543 To 322.3 %

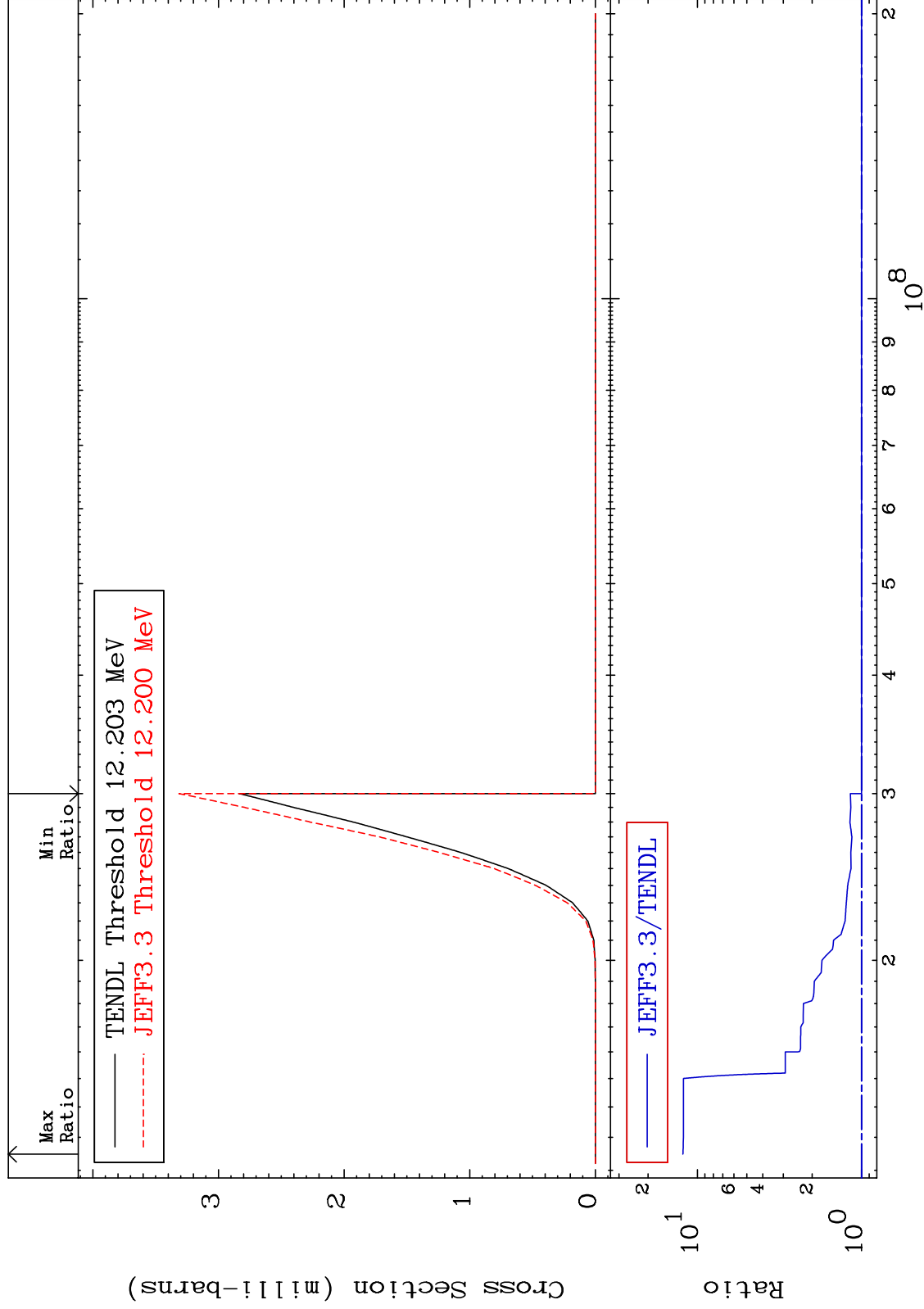


MAT 7634

(n, n') t:75-Re-184m5

76-0s-187

Radionuclide Production Cross Section 0.000 To 1126. %

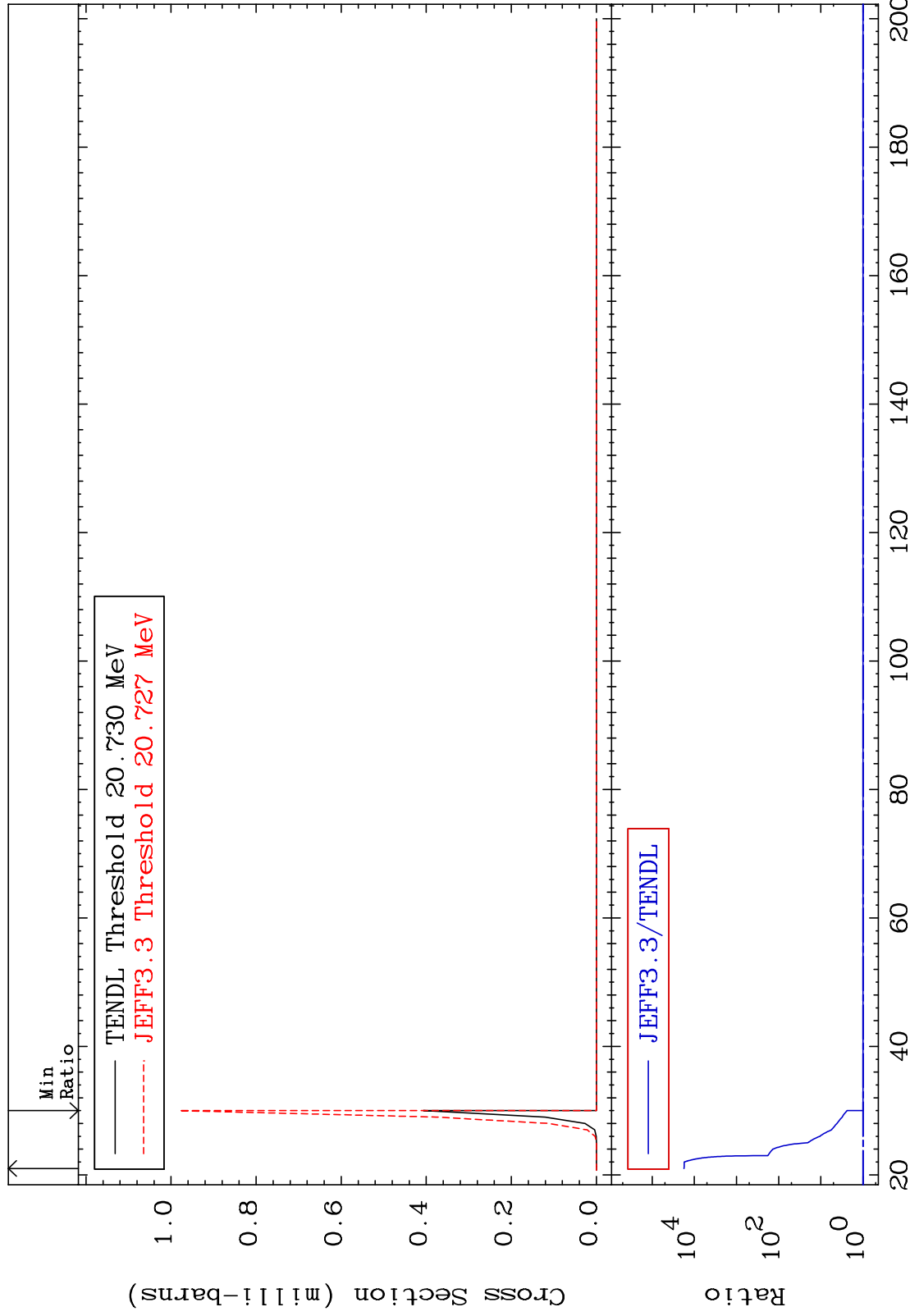


MAT 7634

(n,3n) p:75-Re-184m5

76-0s-187

Radionuclide Production Cross Section 0.000 To 9999. %



86

Incident Energy (MeV)

76-0s-187

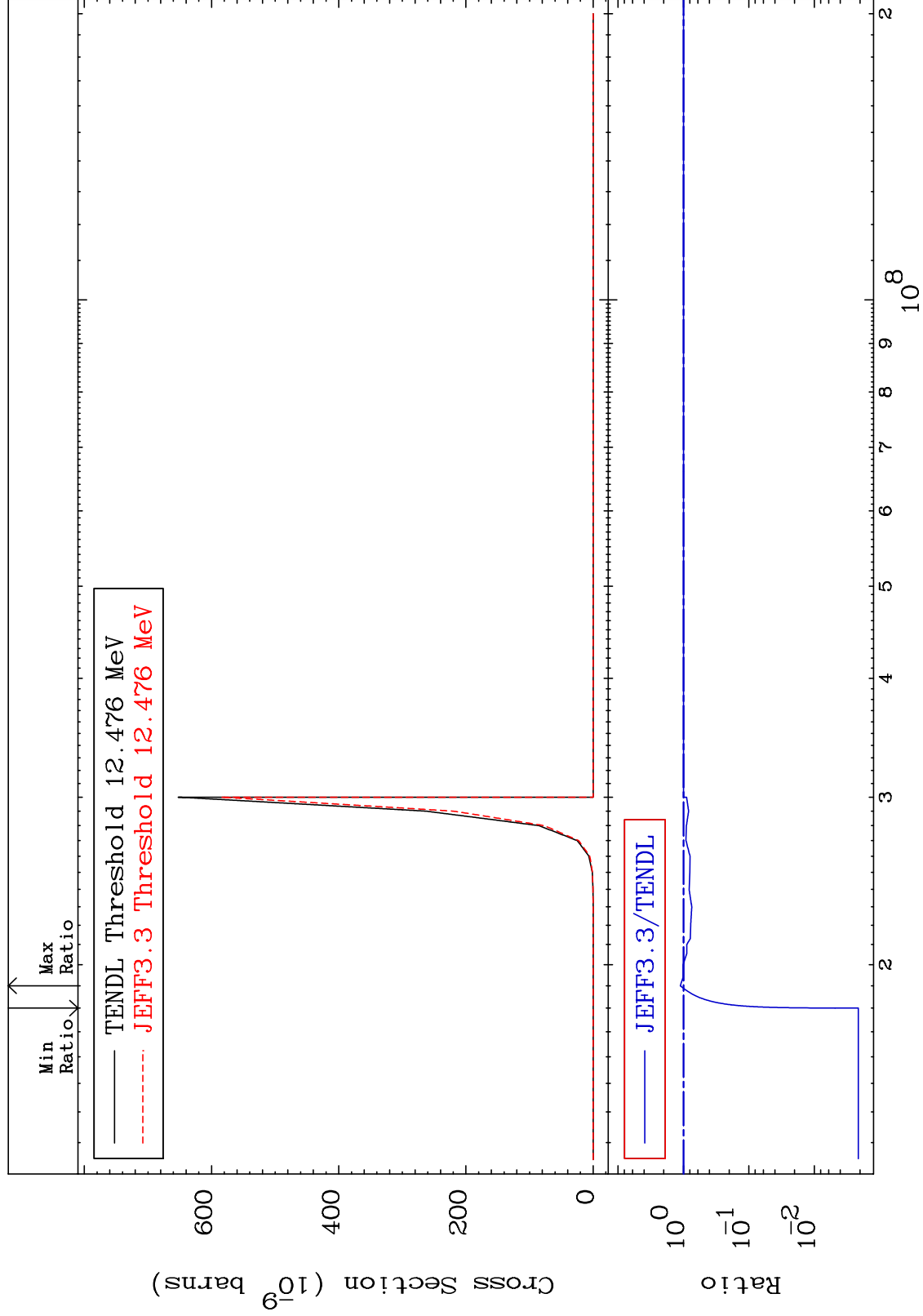
MAT 7634

(n,2n) p:74-W -185g

76-0s-187

Radionuclide Production Cross Section

-99.79 To 11.73 %



87

Incident Energy (eV)

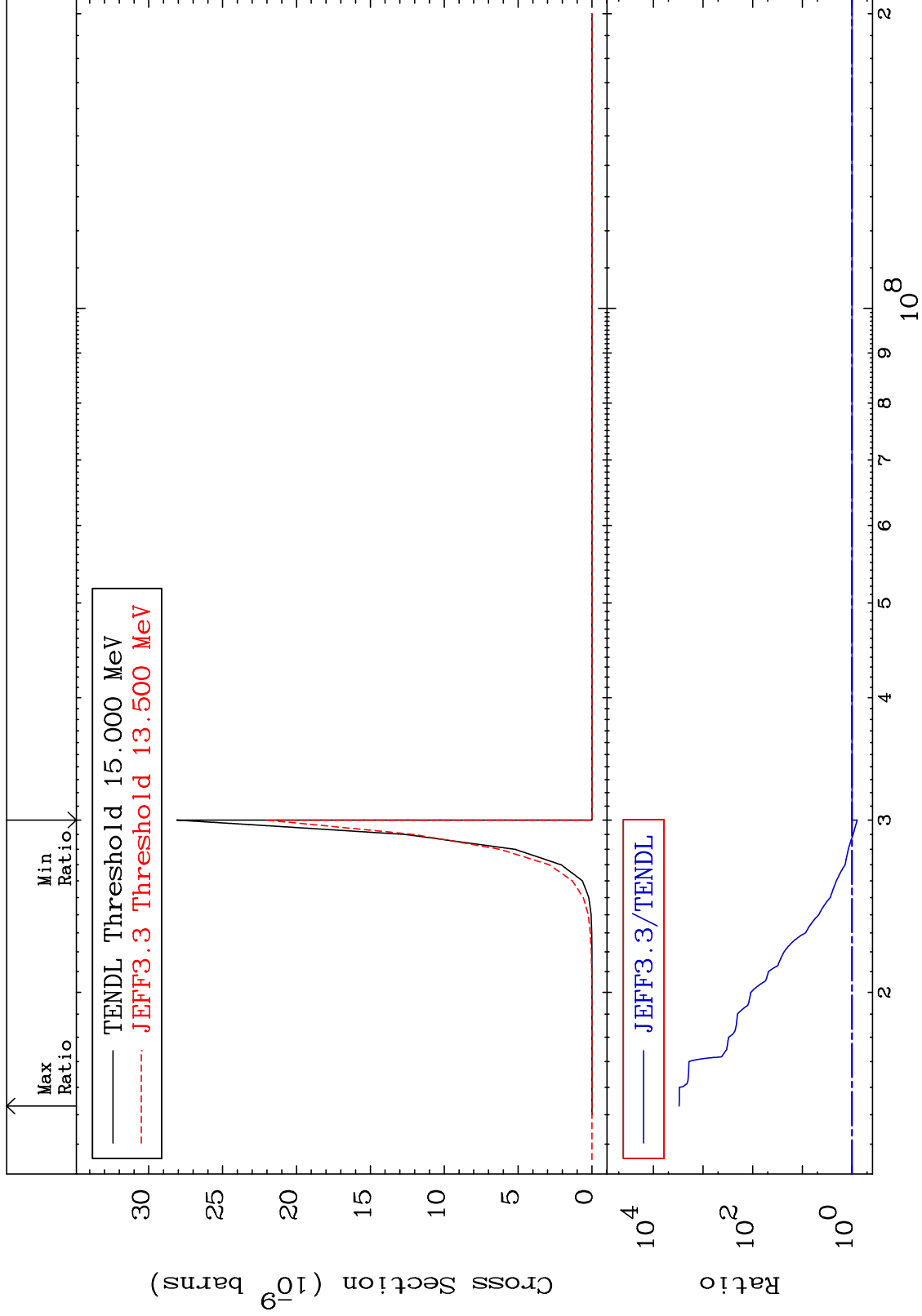
76-0s-187

MAT 7634

(n, n') p α : 73-Ta-182g

76-0s-187

Radionuclide Production Cross Section -21.46 To 9999. %

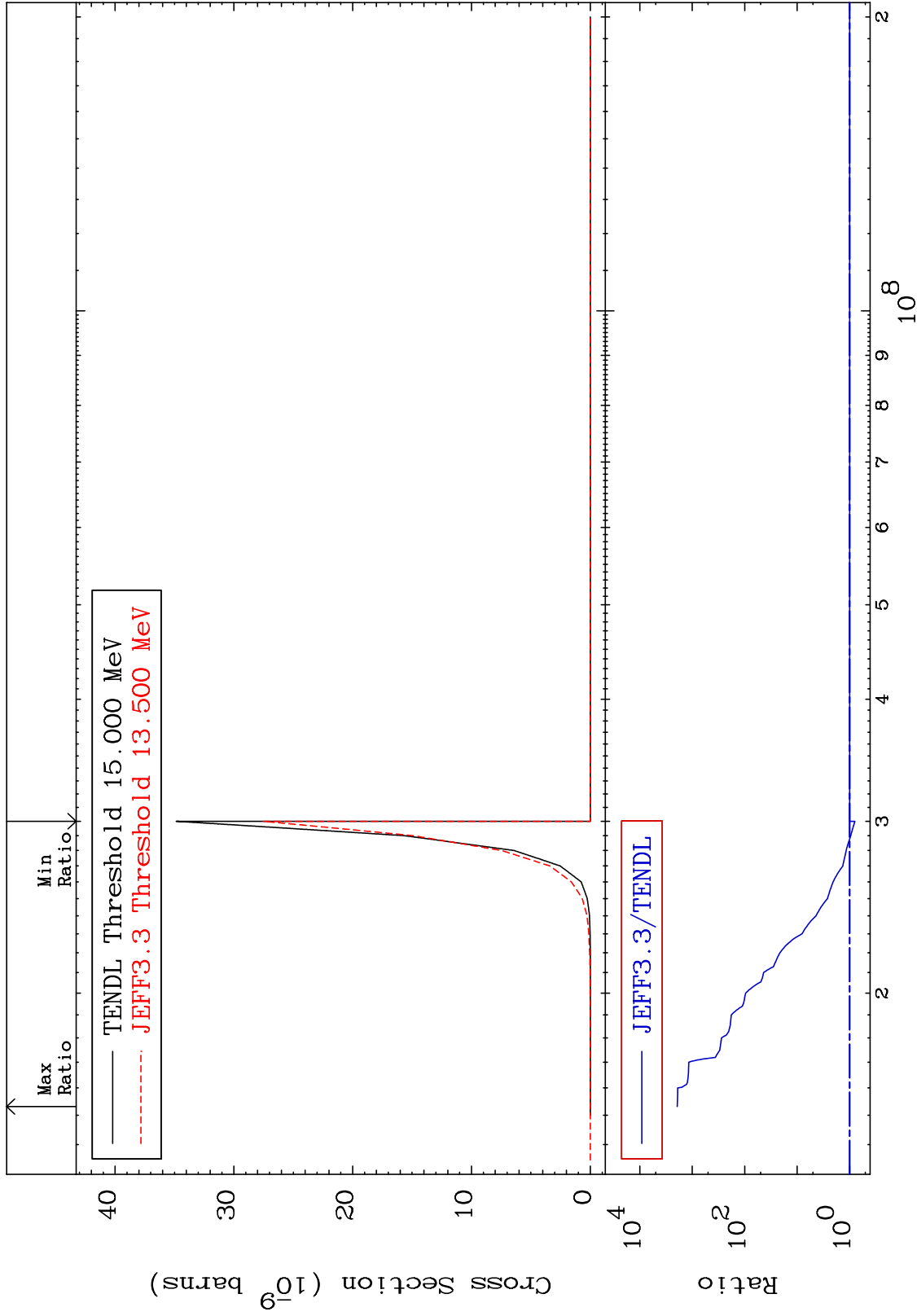


MAT 7634

(n, n') p α : 73-Ta-182m1

76-Os-187

Radionuclide Production Cross Section -20.96 To 9999. %

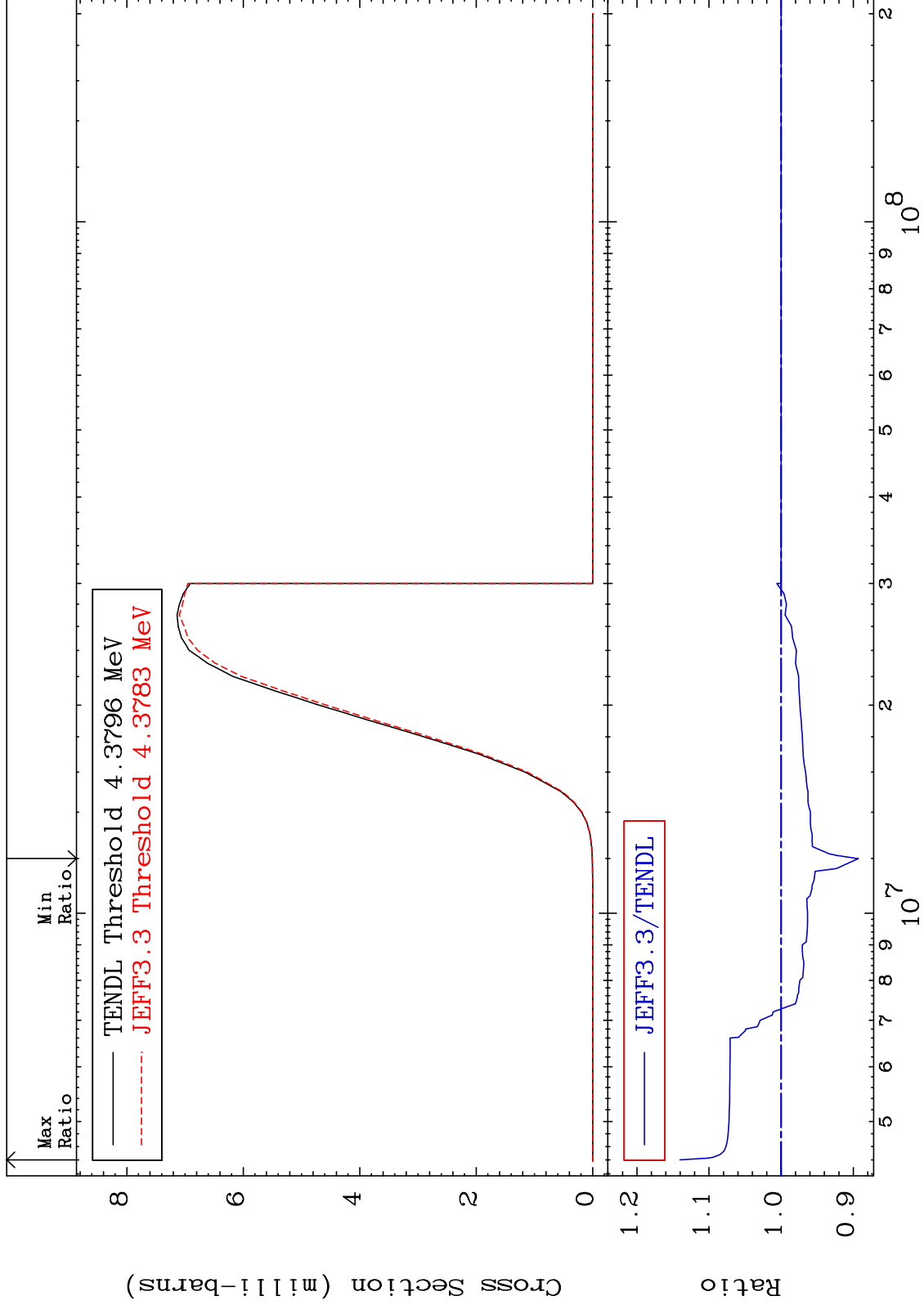


MAT 7634

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

76-Os-187

Radionuclide Production Cross Section -10.71 To 14.03 %



90

Incident Energy (eV)

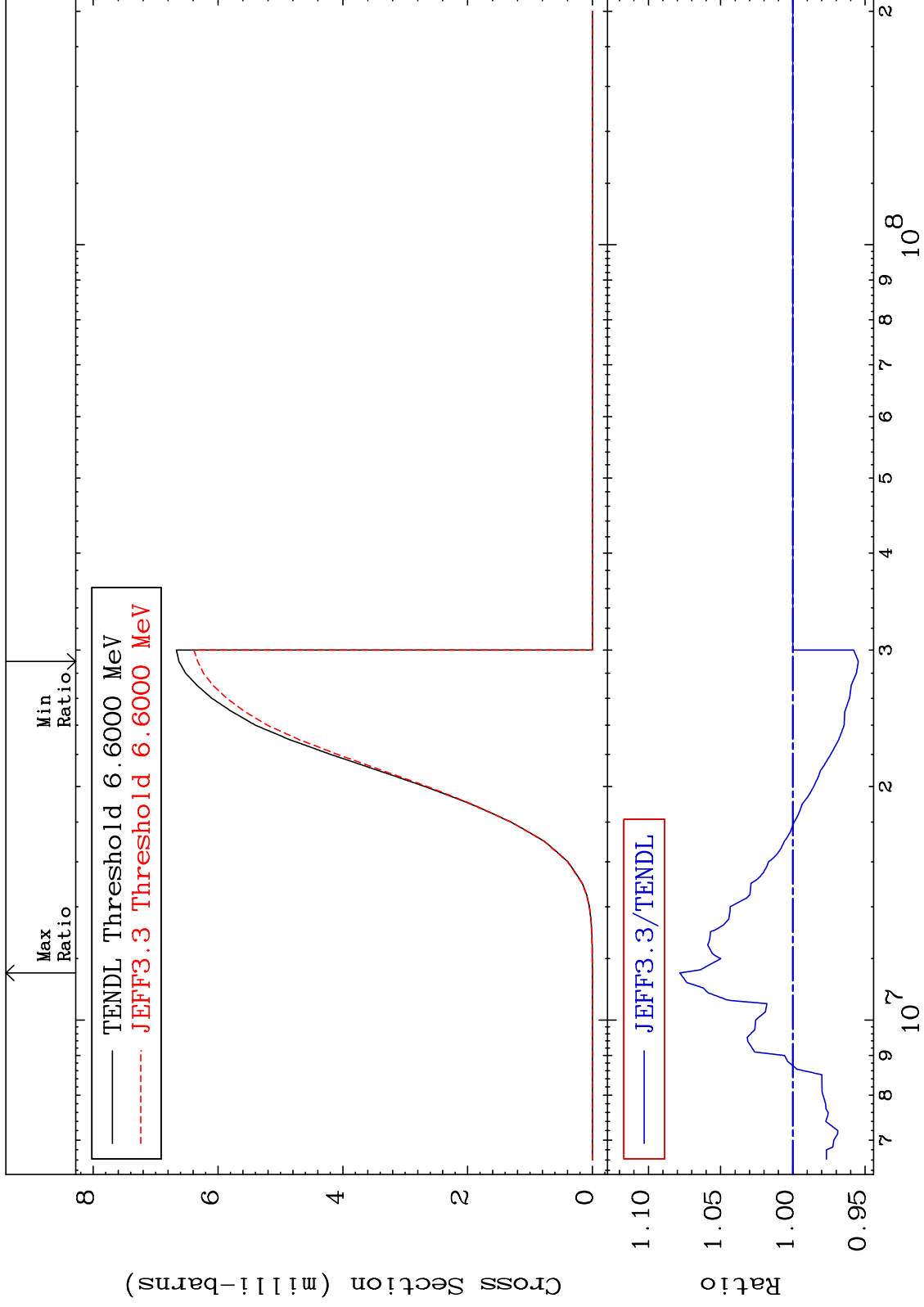
76-Os-187

MAT 7634

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

76-0s-187

Radionuclide Production Cross Section -4.536 To 7.827 %

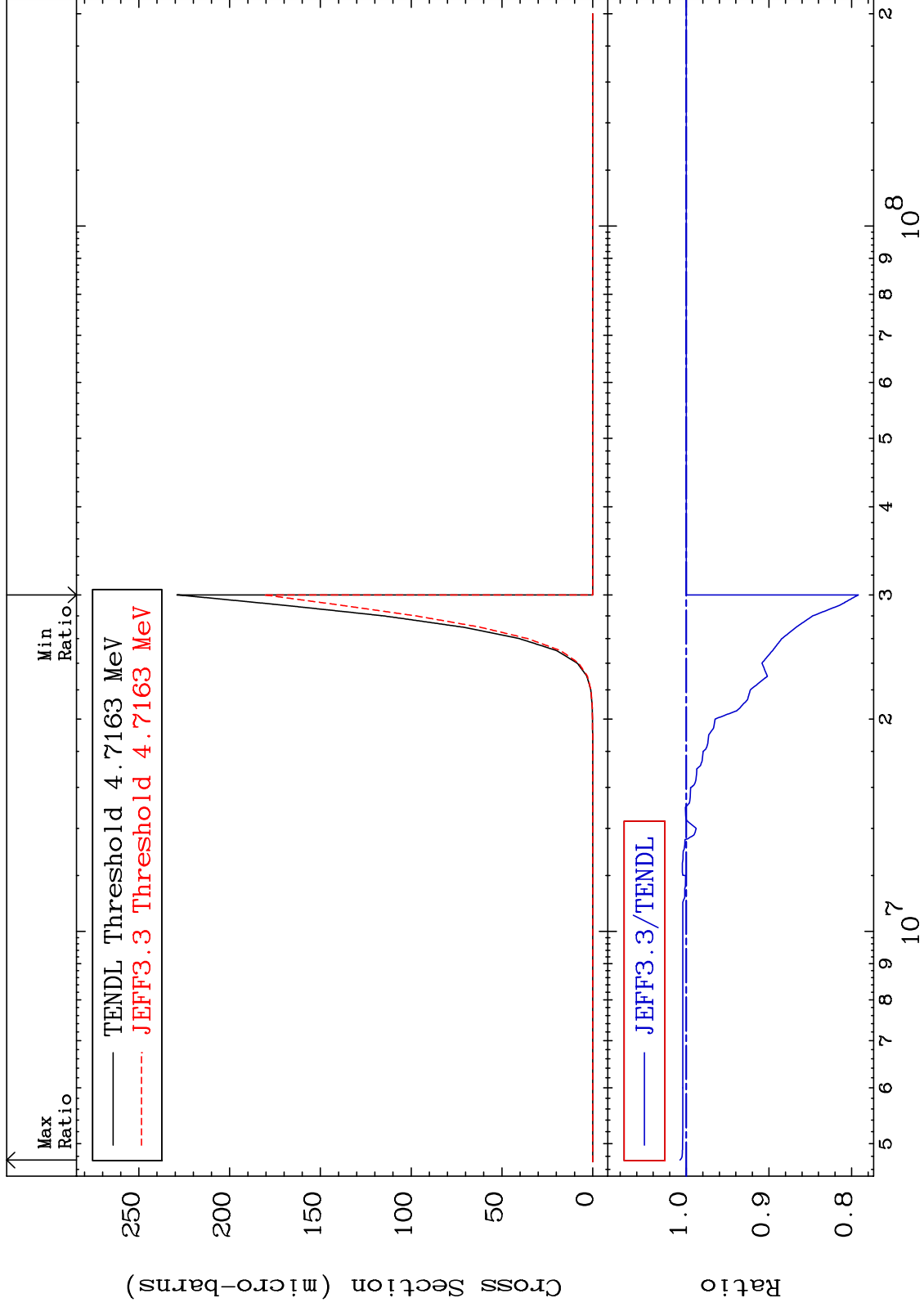


MAT 7634

(n, He-3):74-W -185g

76-0s-187

Radionuclide Production Cross Section -20.82 To 0.758 %



92

Incident Energy (eV)

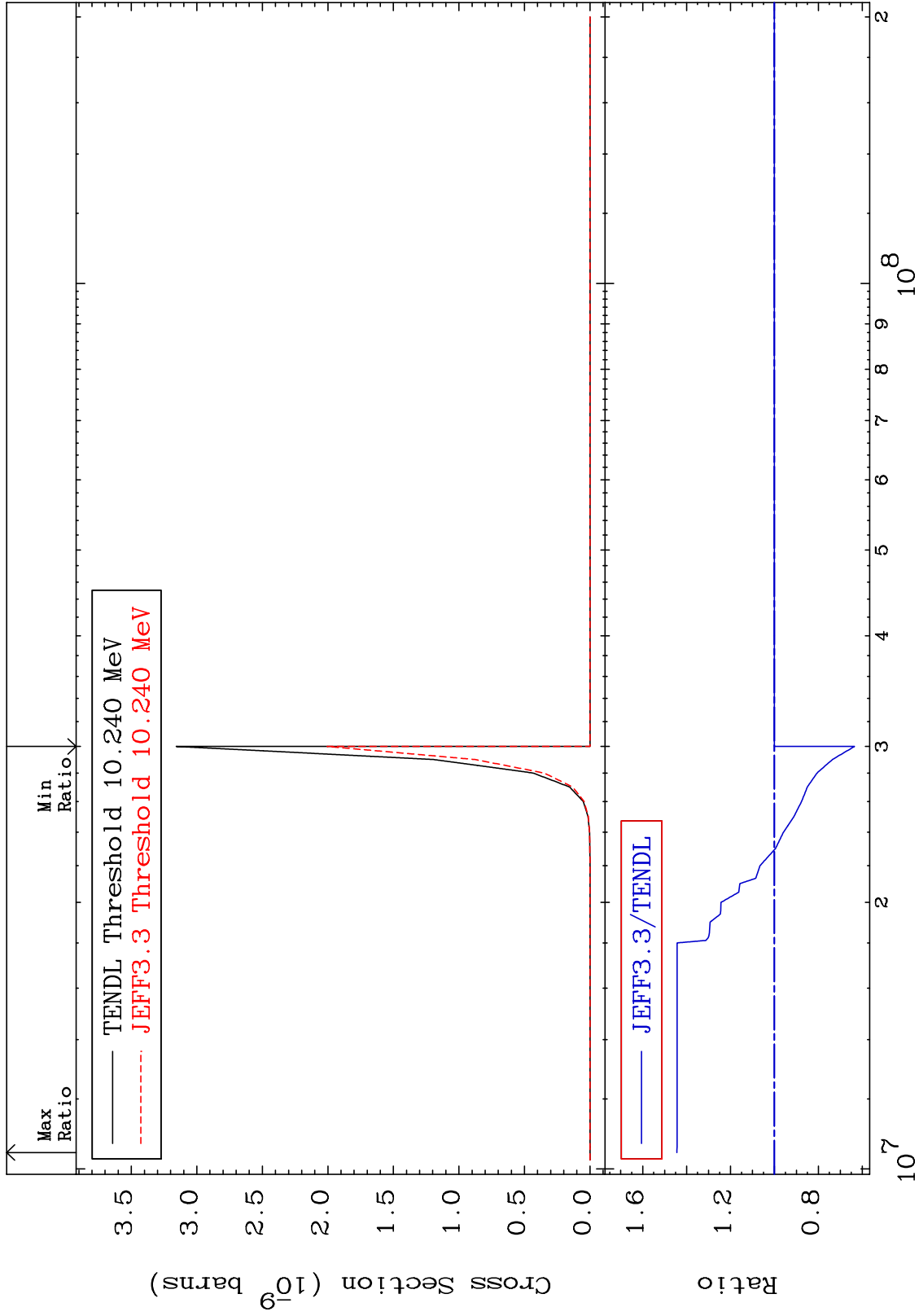
76-0s-187

MAT 7634

(n, p) d:74-W -185g

76-0s-187

Radionuclide Production Cross Section -36.47 To 44.40 %



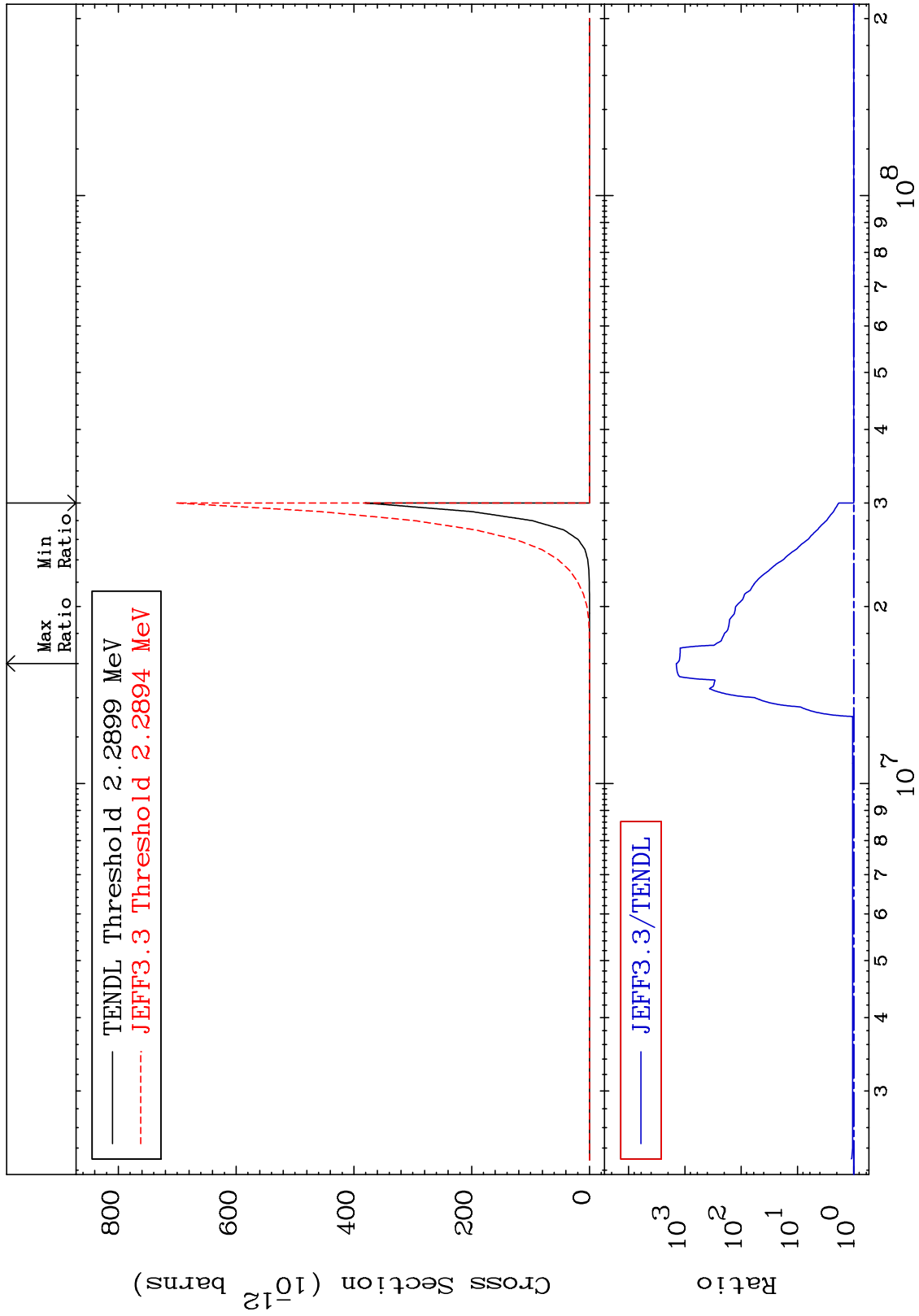
93

Incident Energy (eV)

76-0s-187

MAT 7634

(n, d) α : 73-Ta-182g 76-Os-187
Radionuclide Production Cross Section 0.000 To 9999. %



MAT 7634

(n, d) α : 73-Ta-182m1

76-Os-187

Radionuclide Production Cross Section -2.329 To 9999. %

