

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

MAT 7834

78-Pt-193

-99.74 To 9999. %

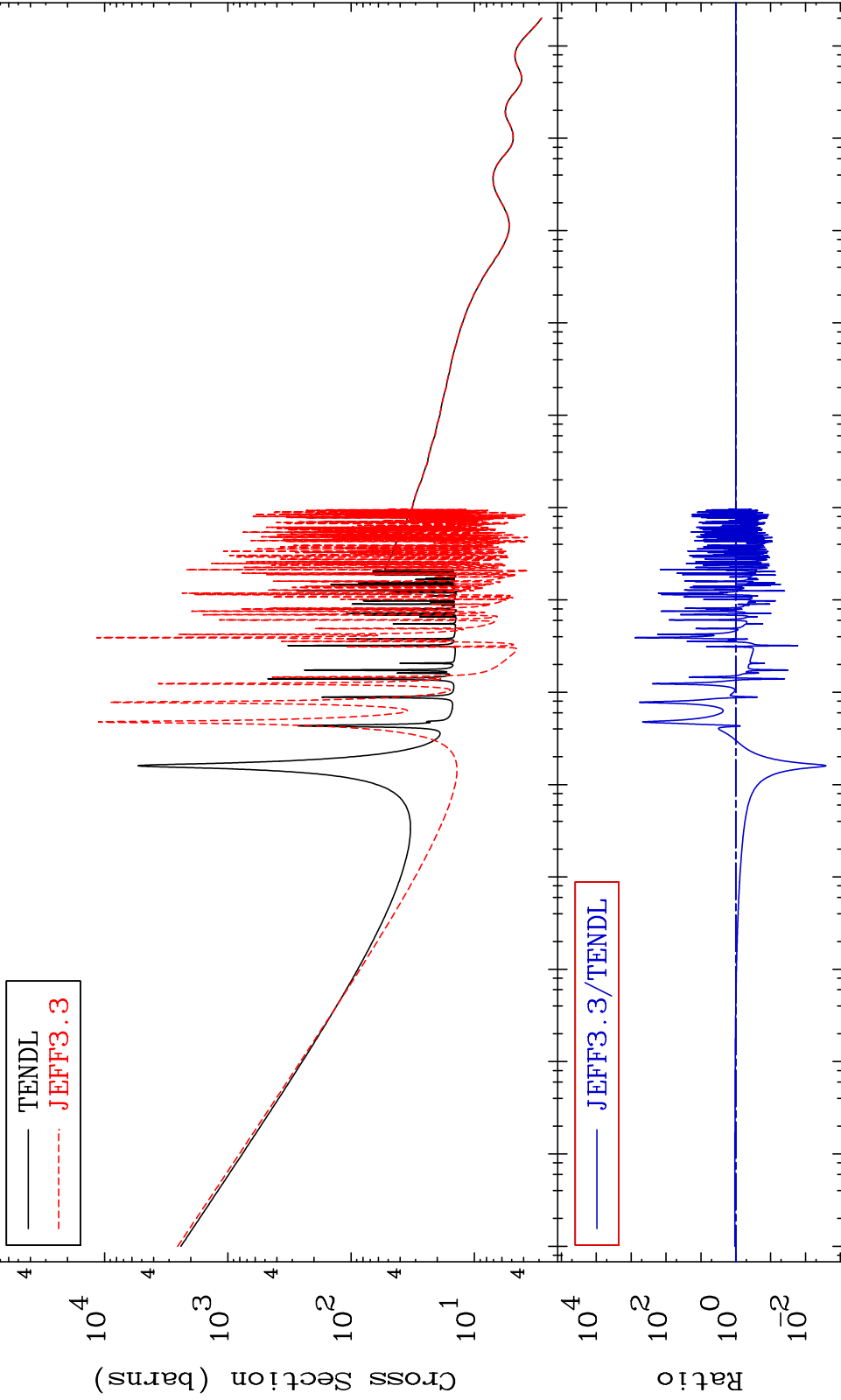
Total
Cross Section

Min
Ratio

Max
Ratio

TENDL
JEFF3.3

JEFF3.3/TENDL



Incident Energy (eV)

1

78-Pt-193

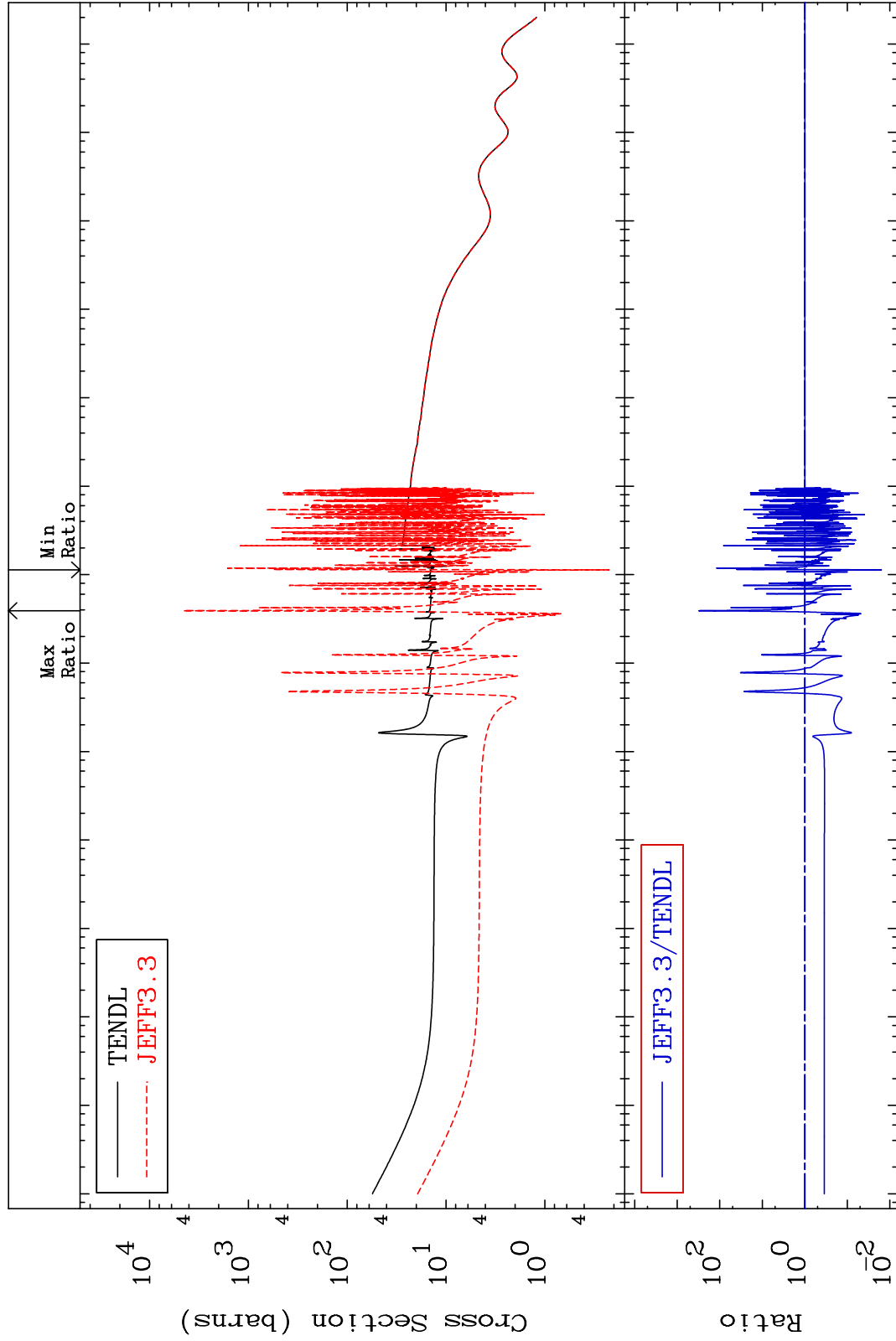
MAT 7834

Elastic

78-Pt-193

-98.43 To 9999. %

Cross Section



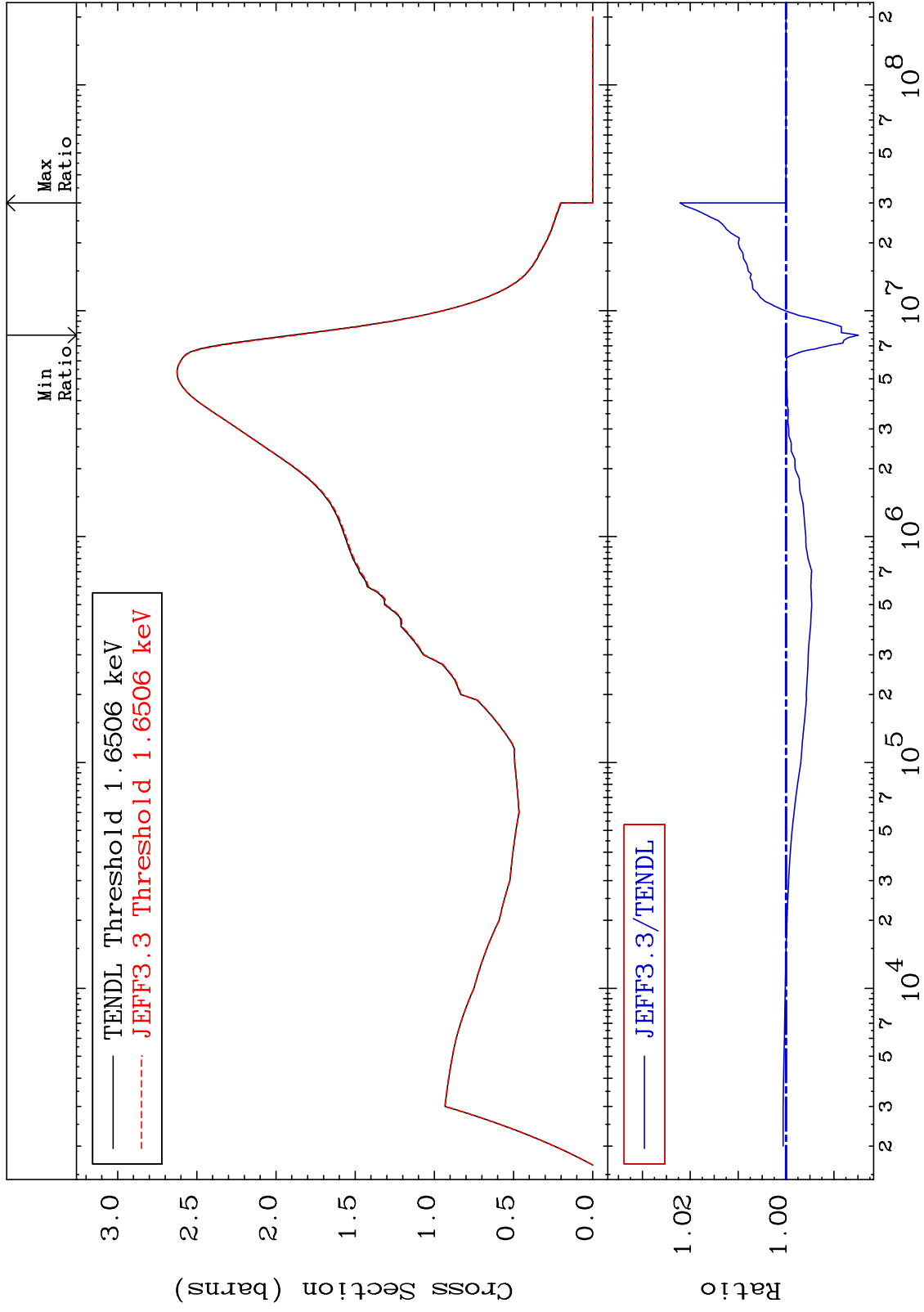
Incident Energy (eV)

78-Pt-193

MAT 7834

Inelastic
Cross Section

78-Pt-193
-1.511 To 2.215 %



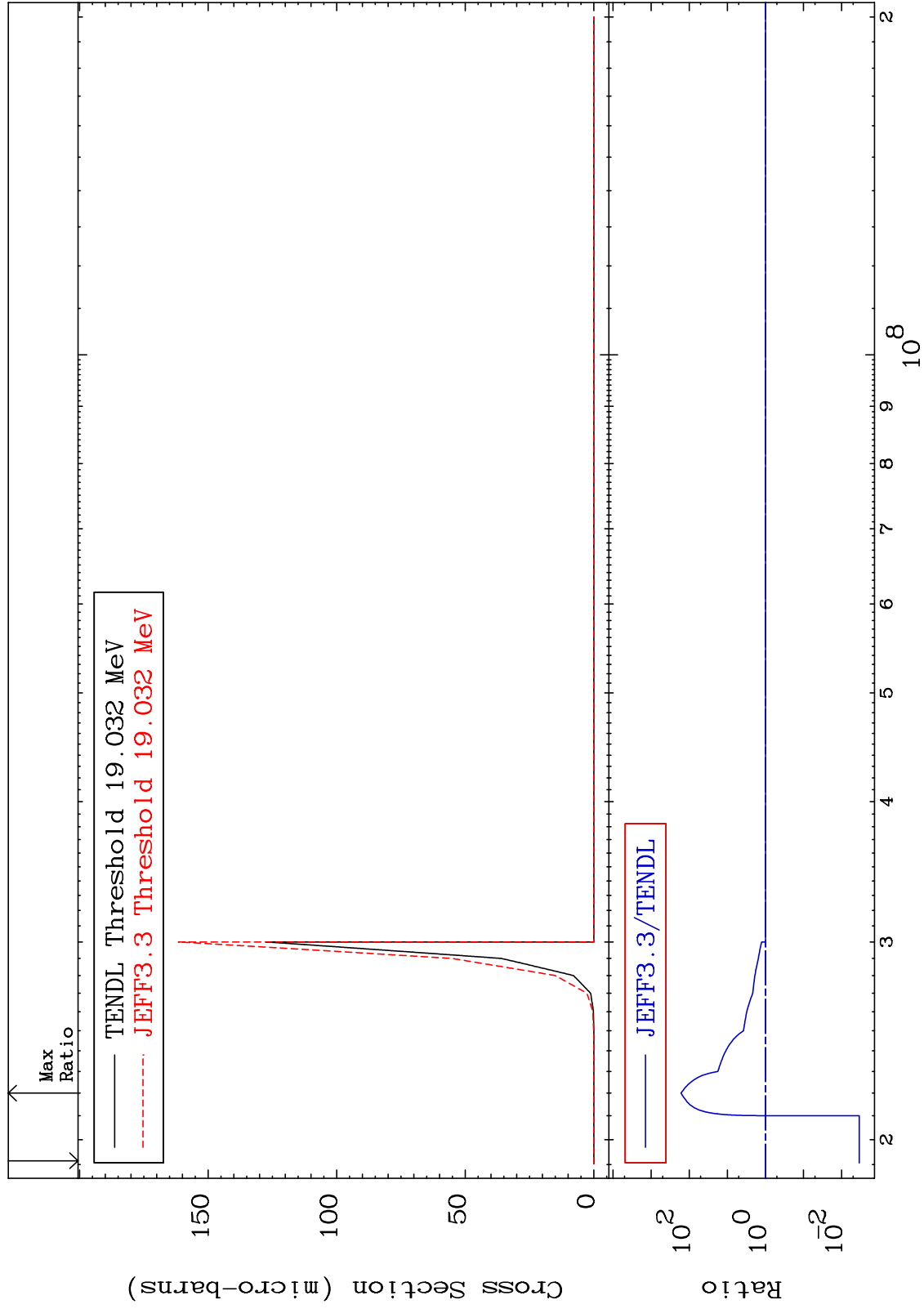
MAT 7834

(n,2n) d

78-Pt-193

Cross Section

-99.66 To 9999. %



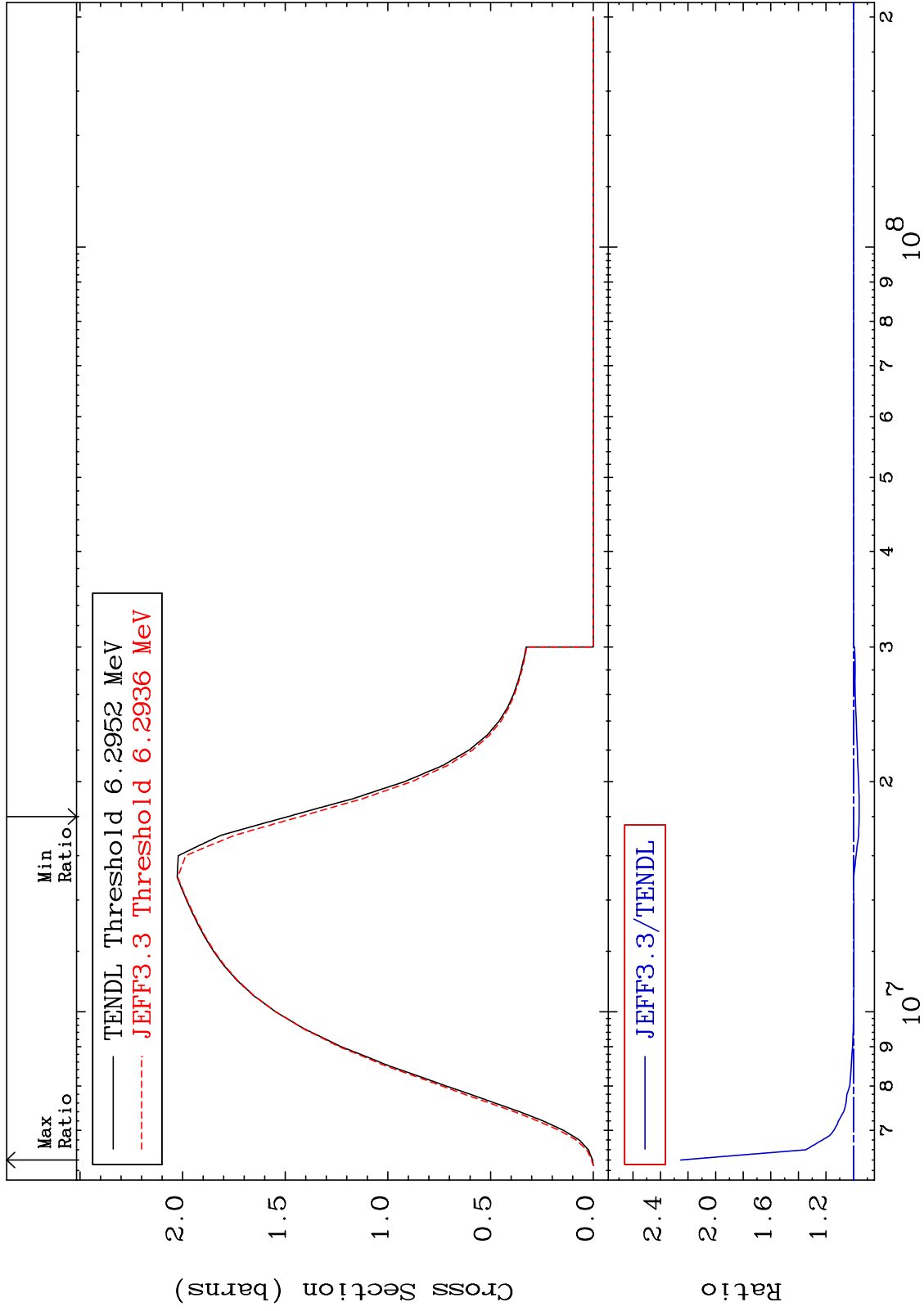
MAT 7834

(n, 2n)

78-Pt-193

Cross Section

-4.065 To 125.4 %



5

Incident Energy (eV)

78-Pt-193

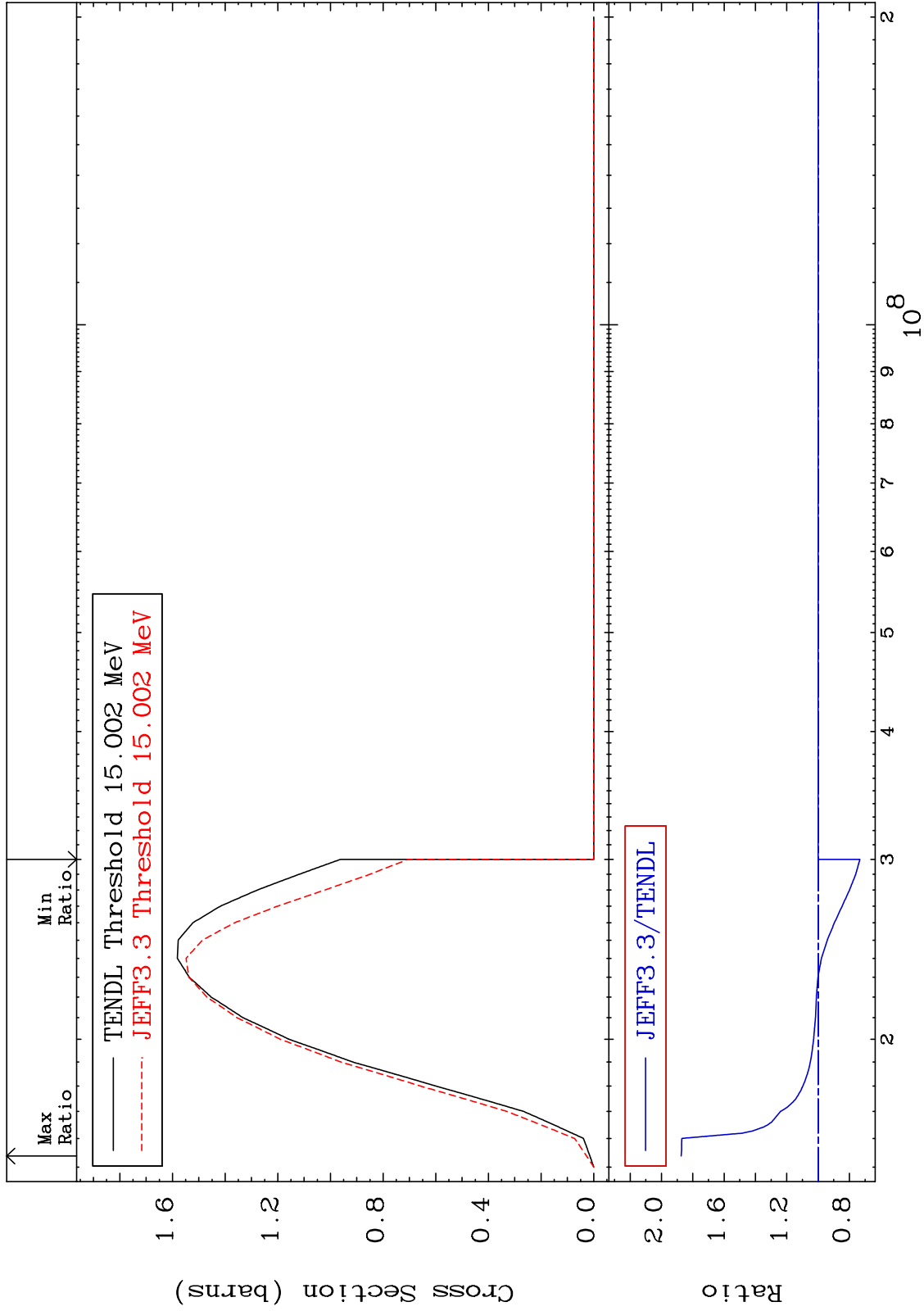
MAT 7834

(n, 3n)

78-Pt-193

Cross Section

-26.70 To 87.39 %



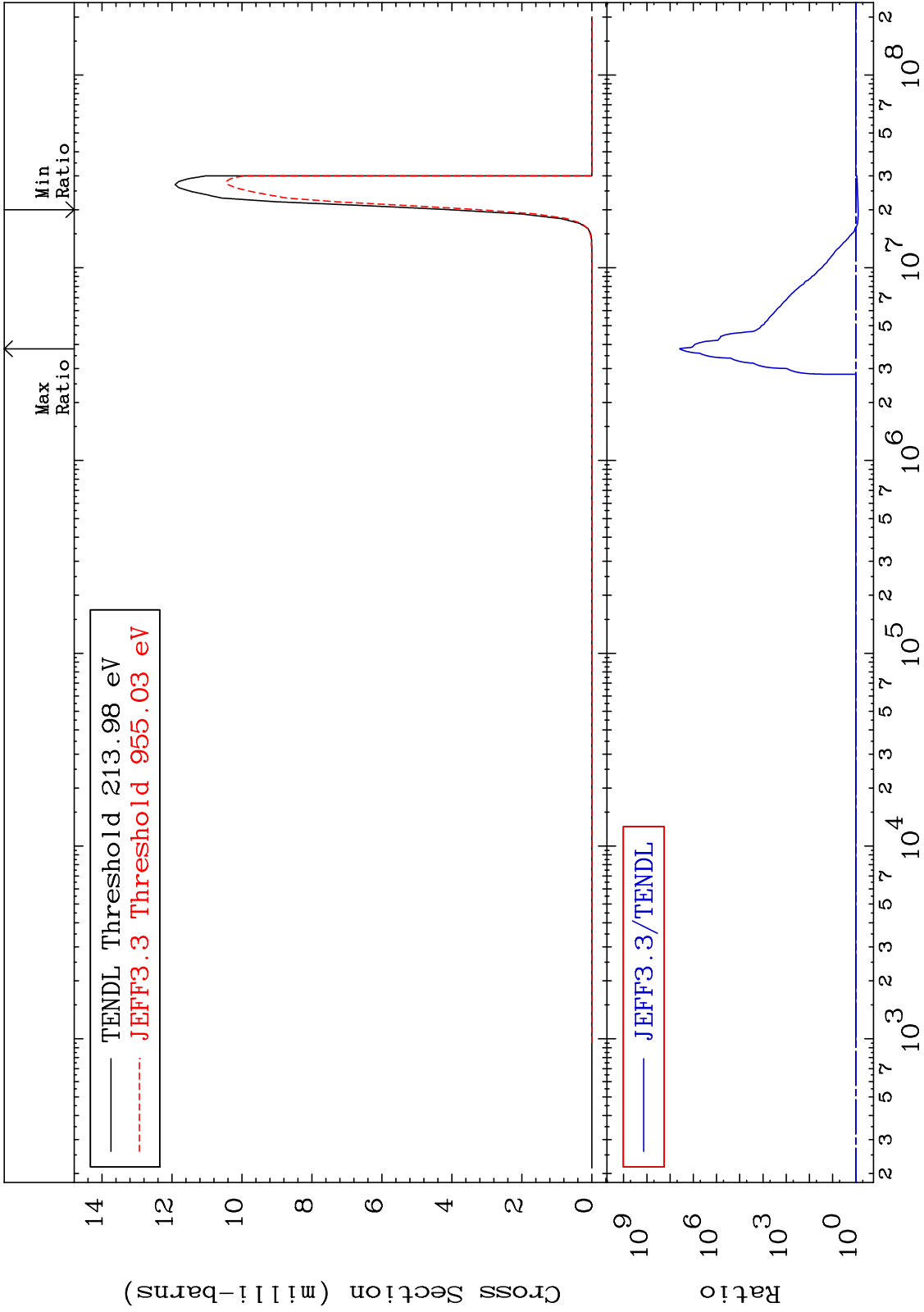
MAT 7834

(n, n') α

78-Pt-193

Cross Section

-20.82 To 9999. %



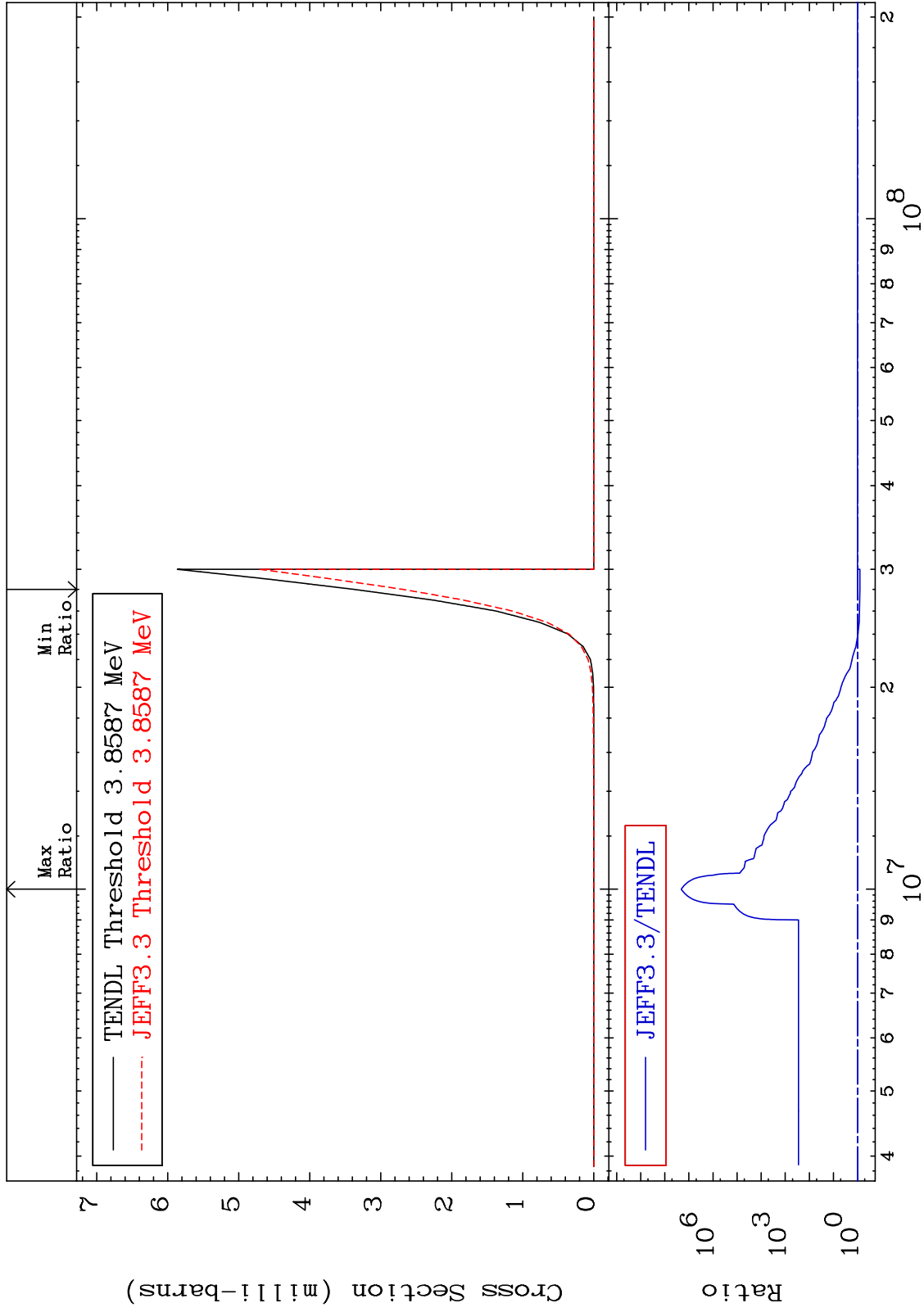
MAT 7834

(n,2n) α

78-Pt-193

-20.43 To 9999. %

Cross Section



8

Incident Energy (eV)

78-Pt-193

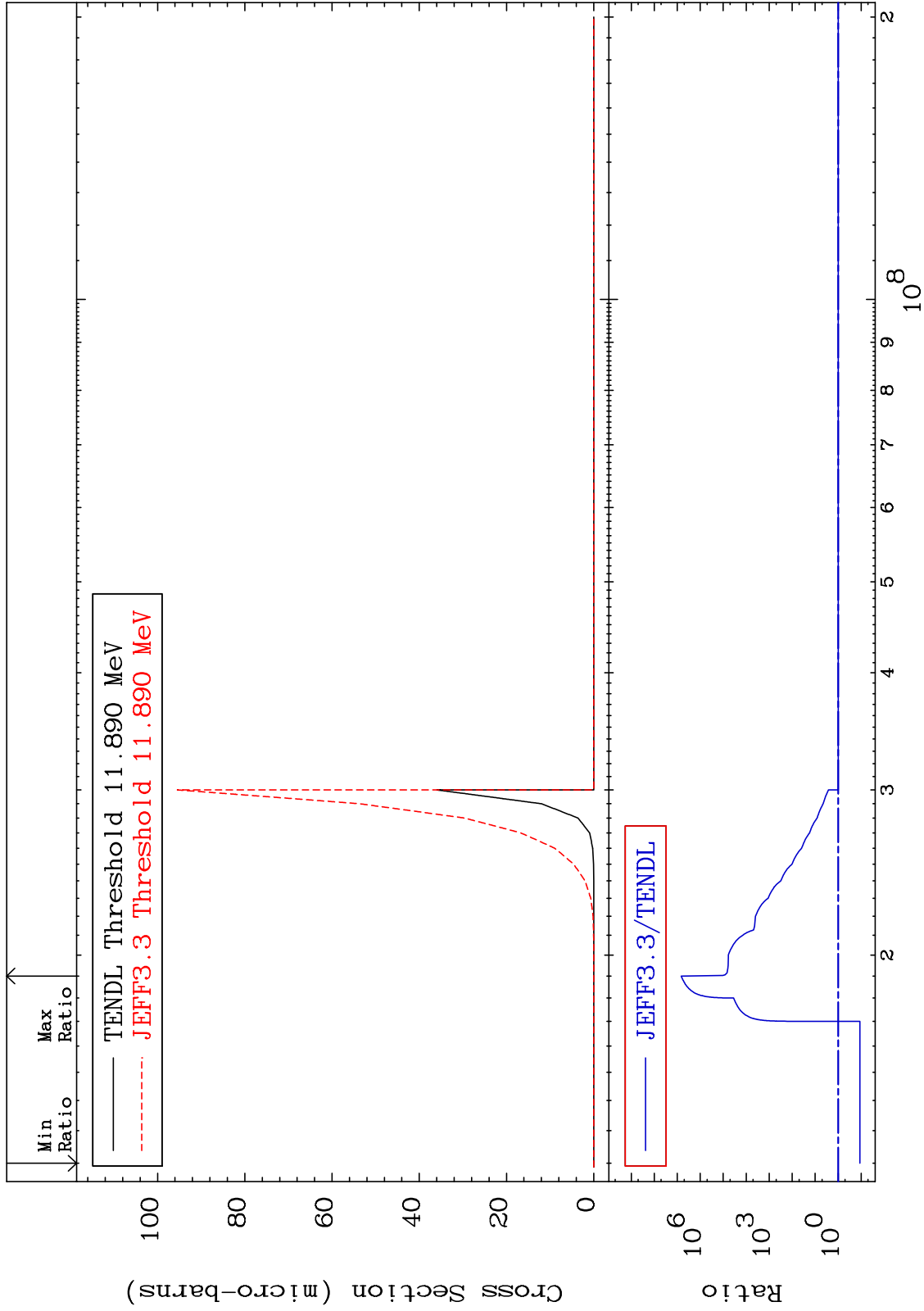
MAT 7834

(n,3n) α

78-Pt-193

Cross Section

-88.70 To 9999. %



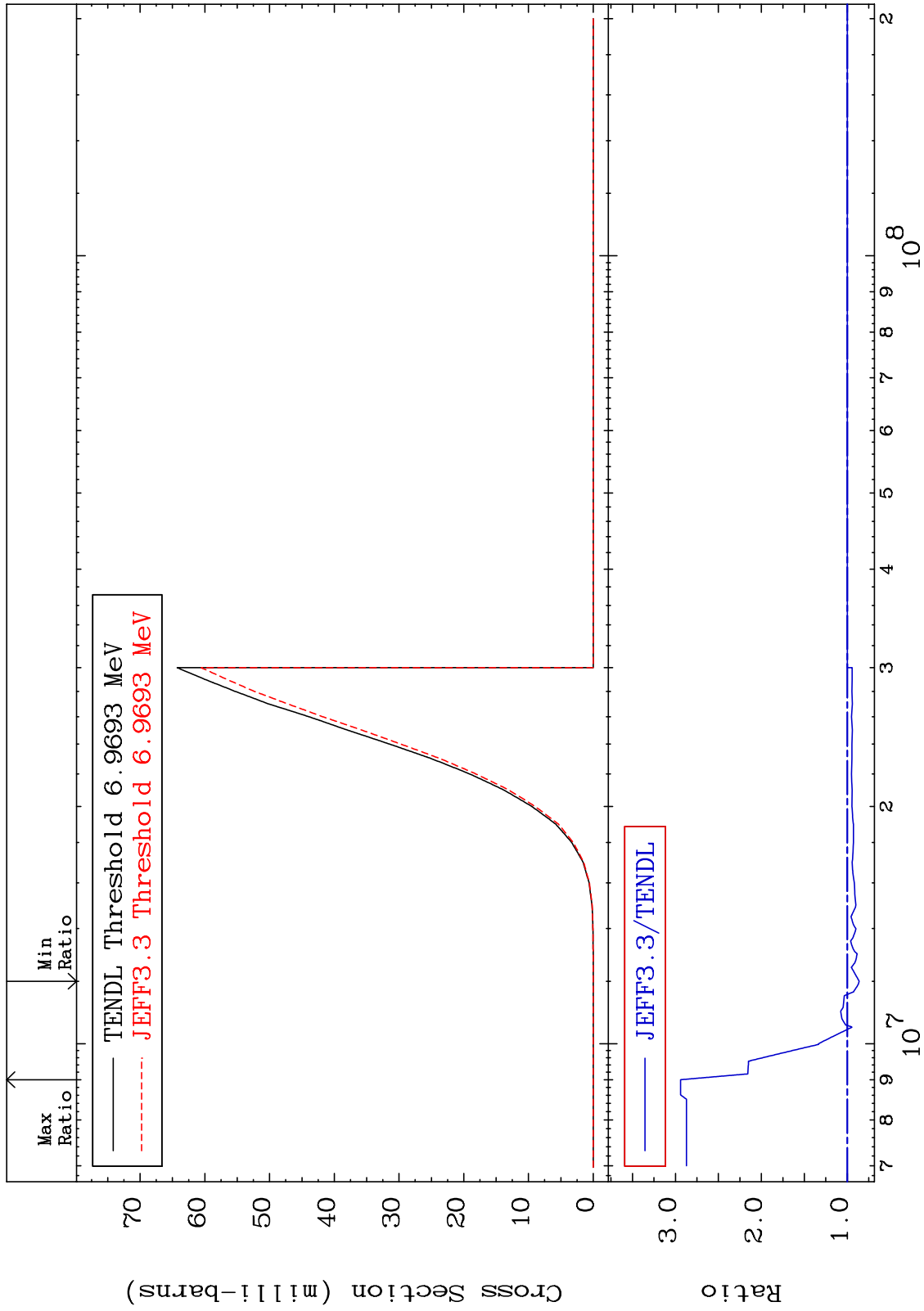
MAT 7834

(n, n') p

78-Pt-193

Cross Section

-13.85 To 194.0 %



10

Incident Energy (eV)

78-Pt-193

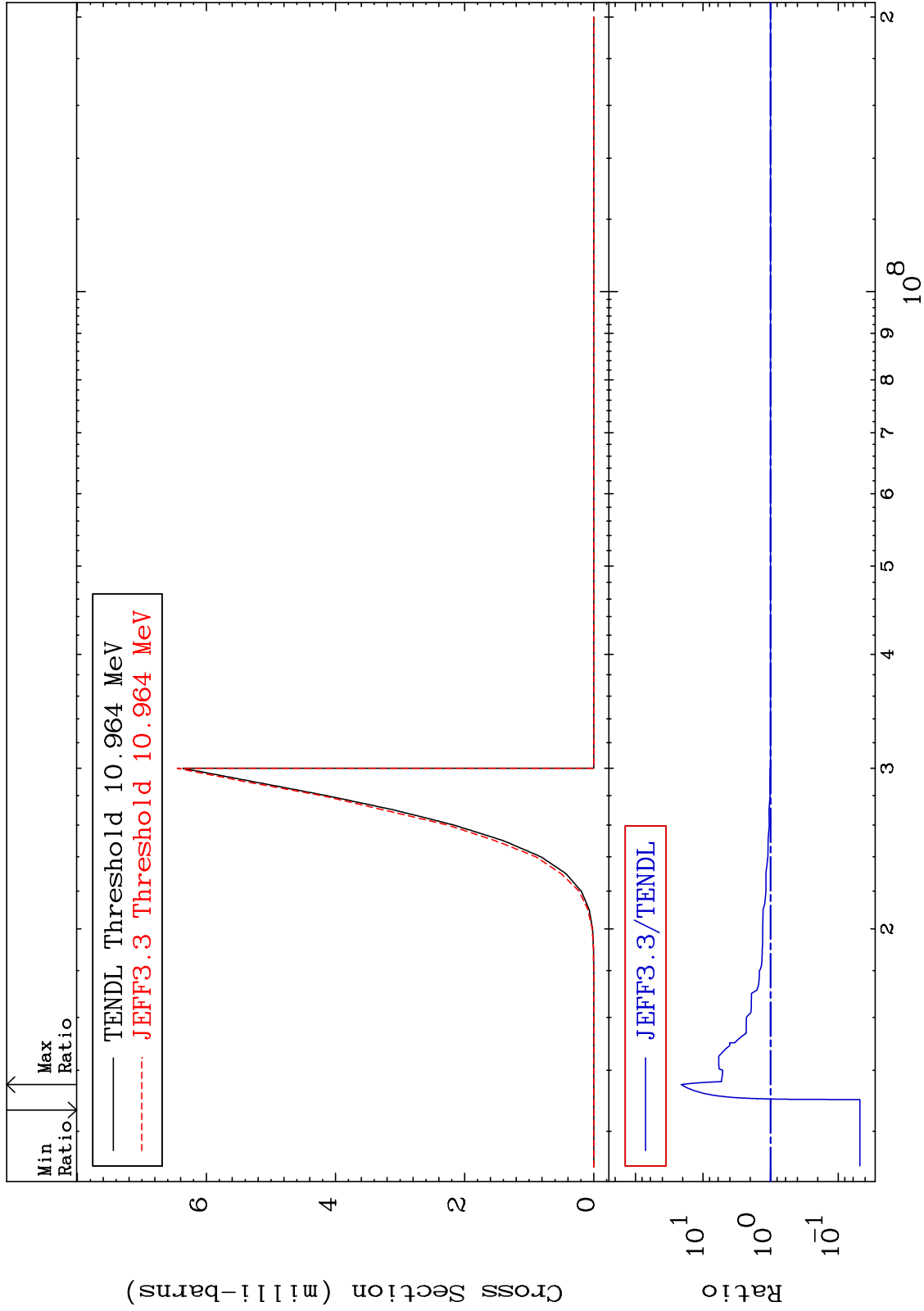
MAT 7834

(n,n') d

78-Pt-193

Cross Section

-95.24 To 2001. %



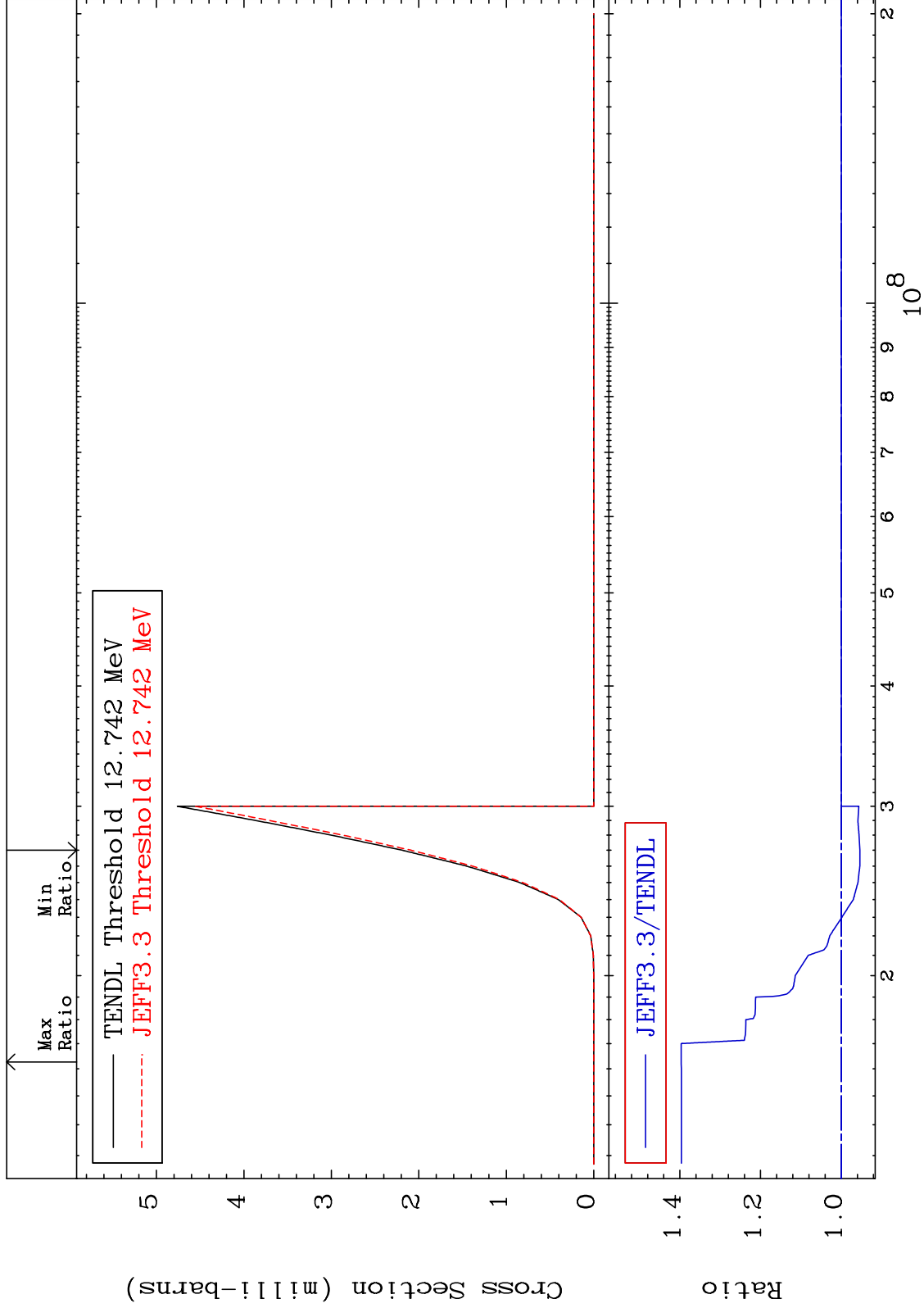
MAT 7834

(n,n') t

78-Pt-193

Cross Section

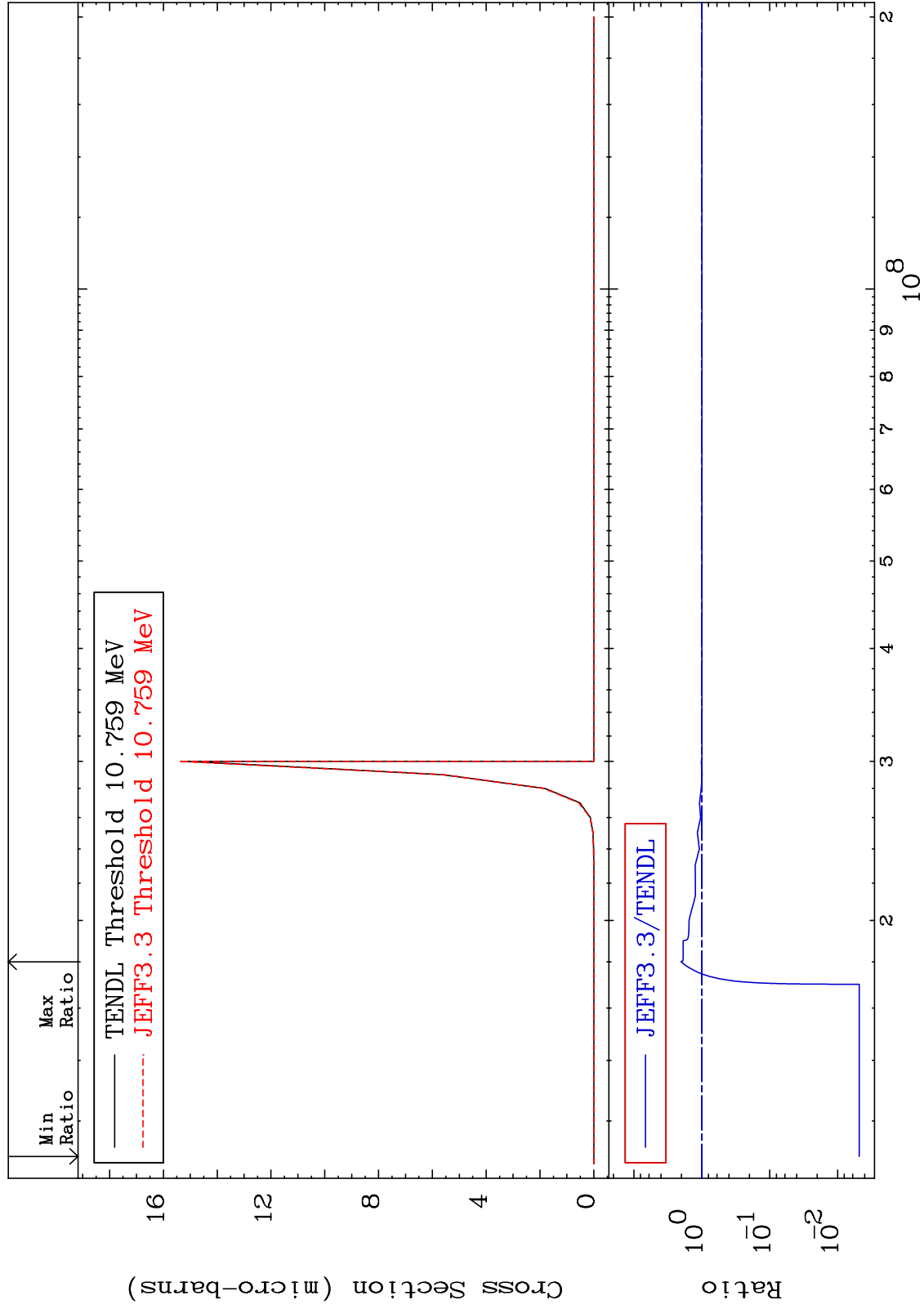
-4.631 To 39.67 %



MAT 7834

(n, n') He-3
Cross Section

78-Pt-193
-99.52 To 102.6 %



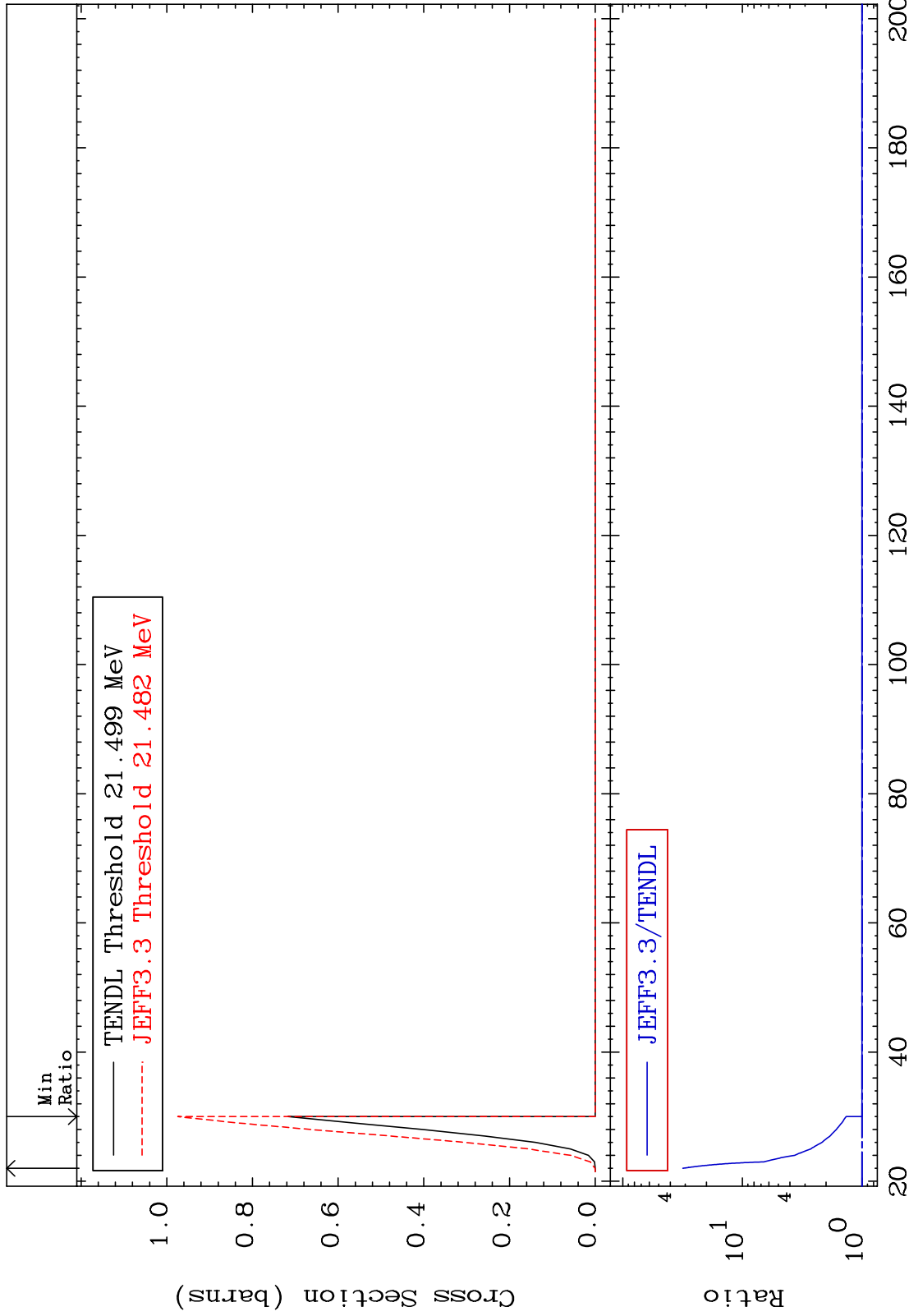
MAT 7834

(n, 4n)

78-Pt-193

Cross Section

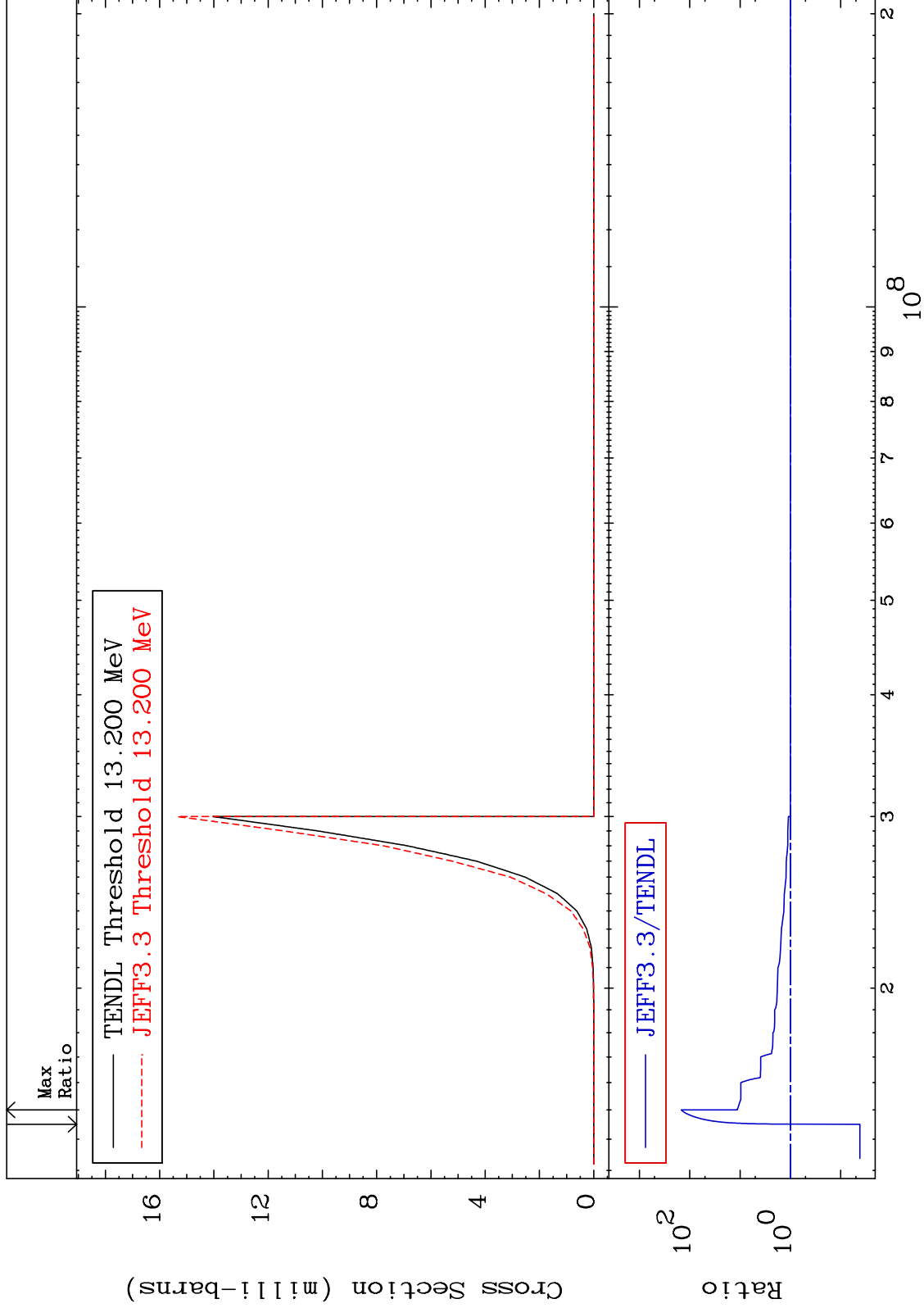
0.000 To 3043. %



MAT 7834

(n,2n) p
Cross Section

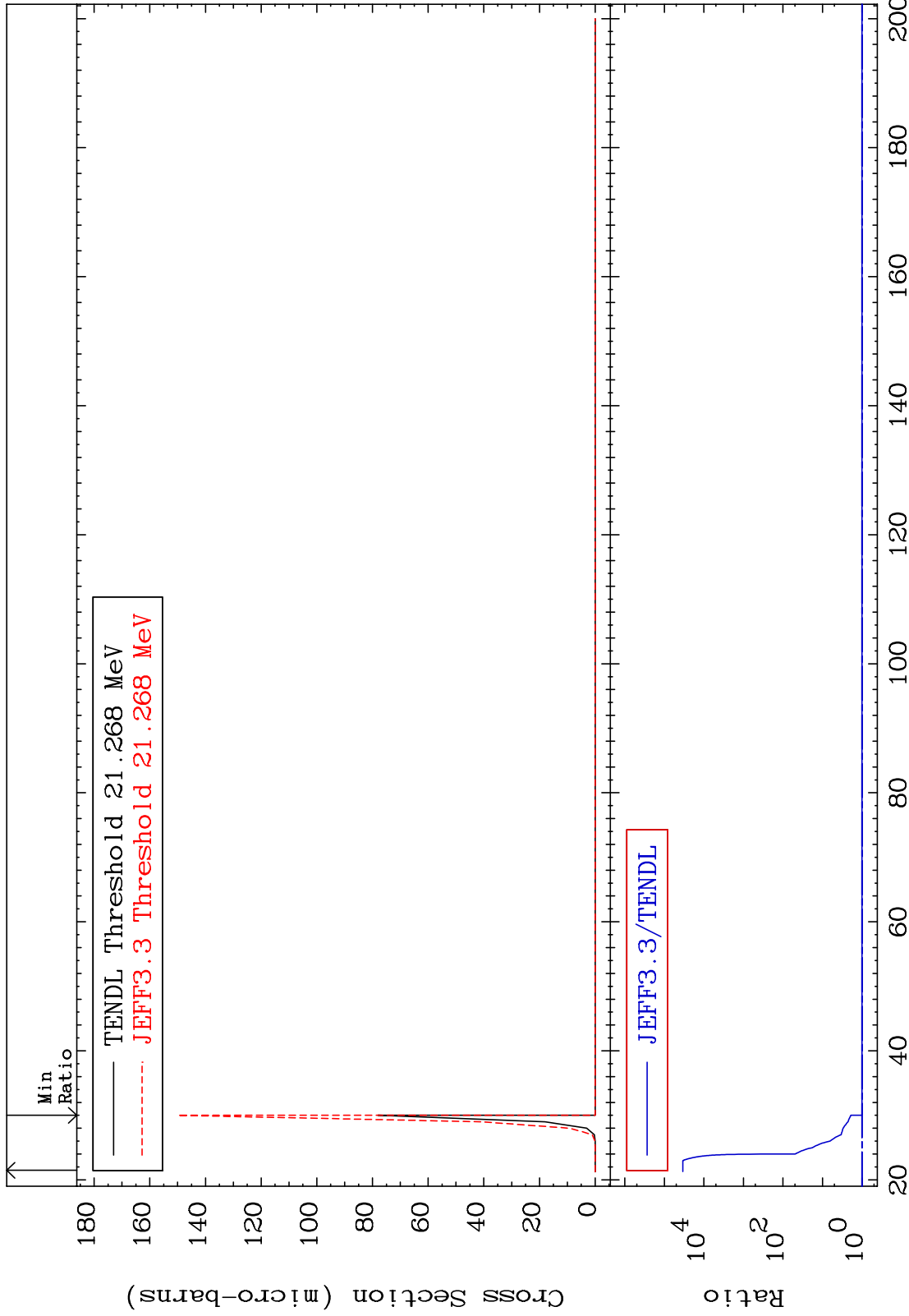
78-Pt-193
-95.84 To 9999. %



MAT 7834

(n,3n) p
Cross Section

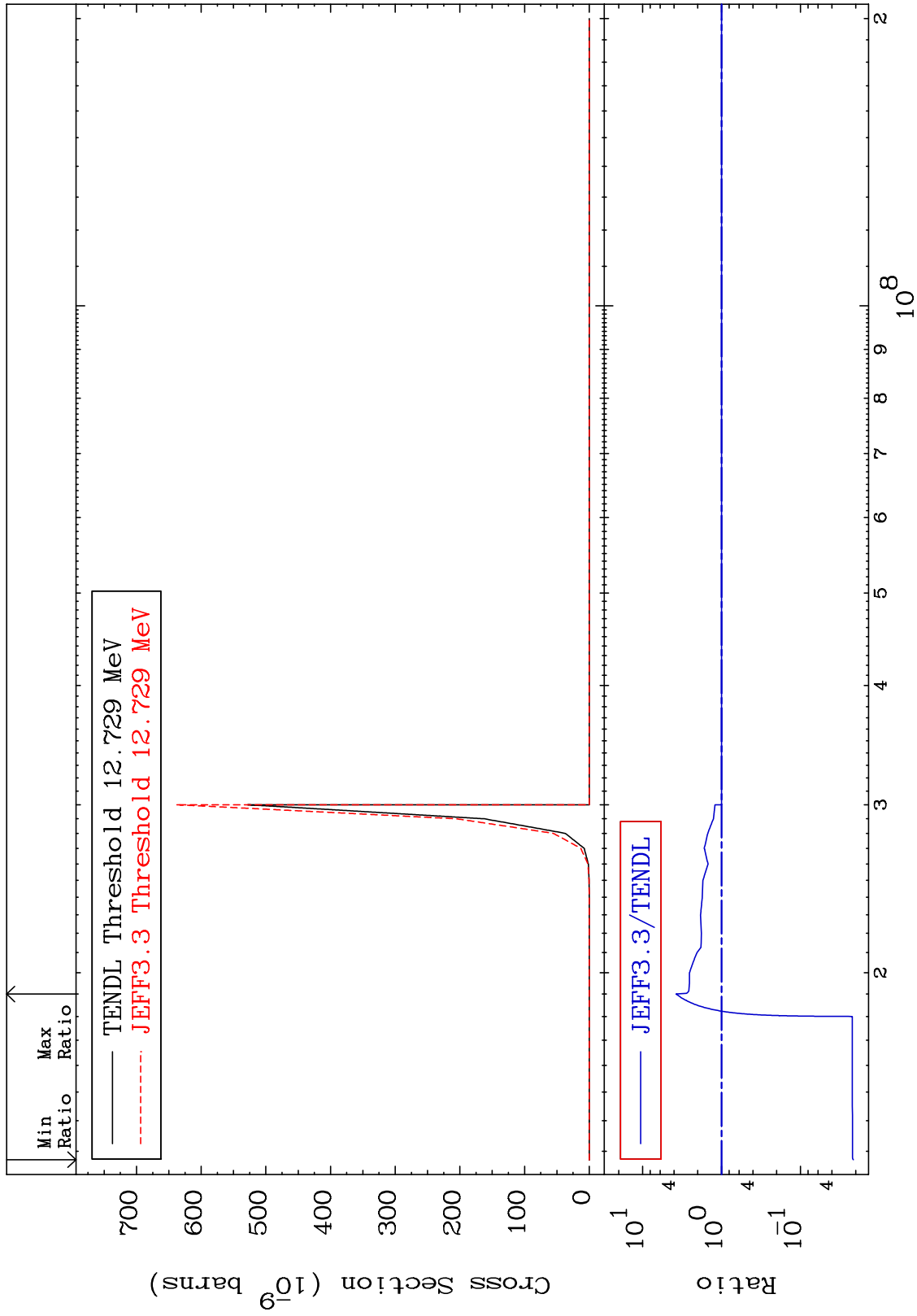
78-Pt-193
0.000 To 9999. %



MAT 7834

(n,2n) p
Cross Section

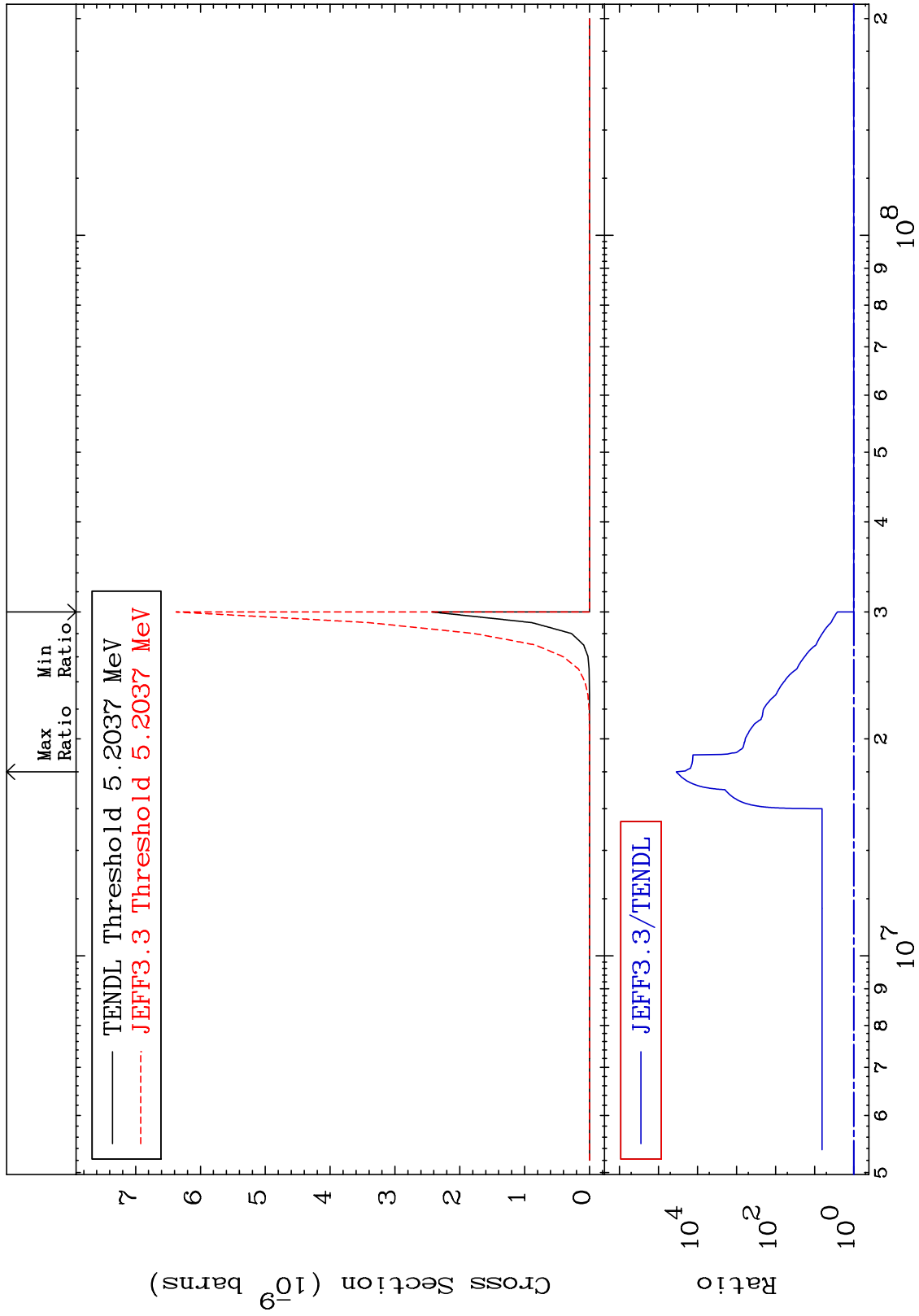
78-Pt-193
-97.87 To 276.9 %



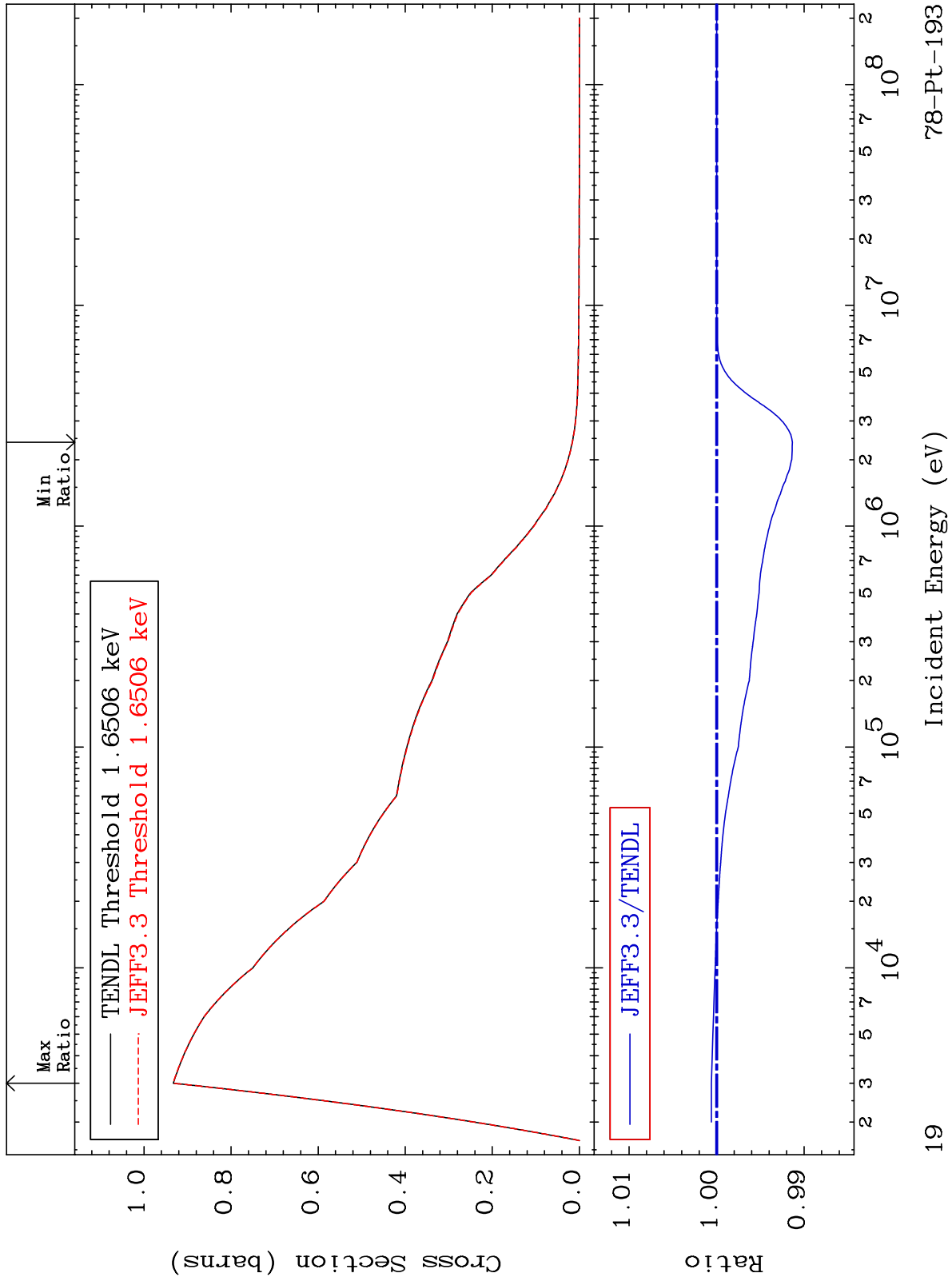
MAT 7834

(n,n') p α
Cross Section

78-Pt-193
0.000 To 9999. %



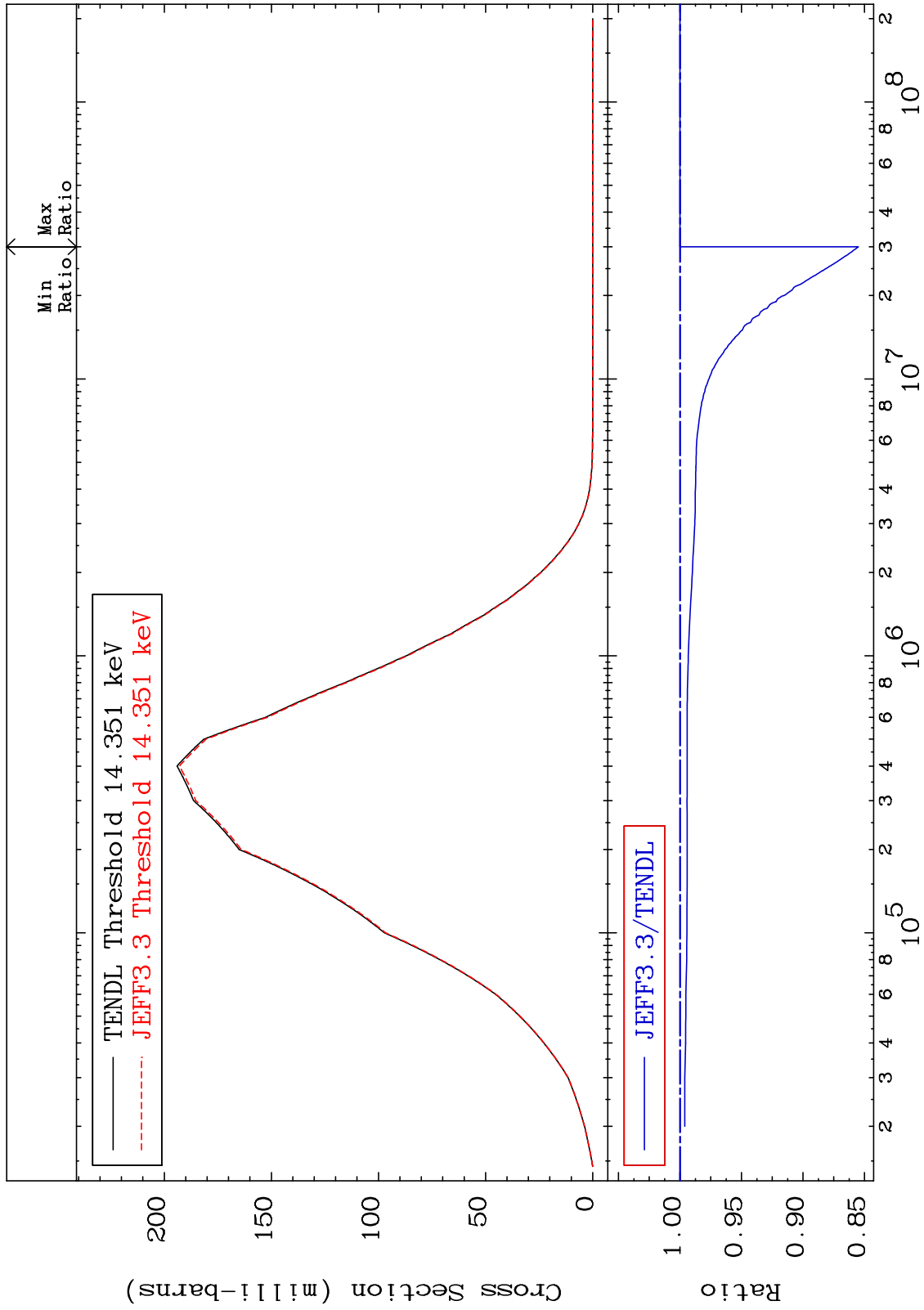
MAT 7834 MT= 51 (n,n') Level Cross Section -0.866 To 0.060 % 78-Pt-193



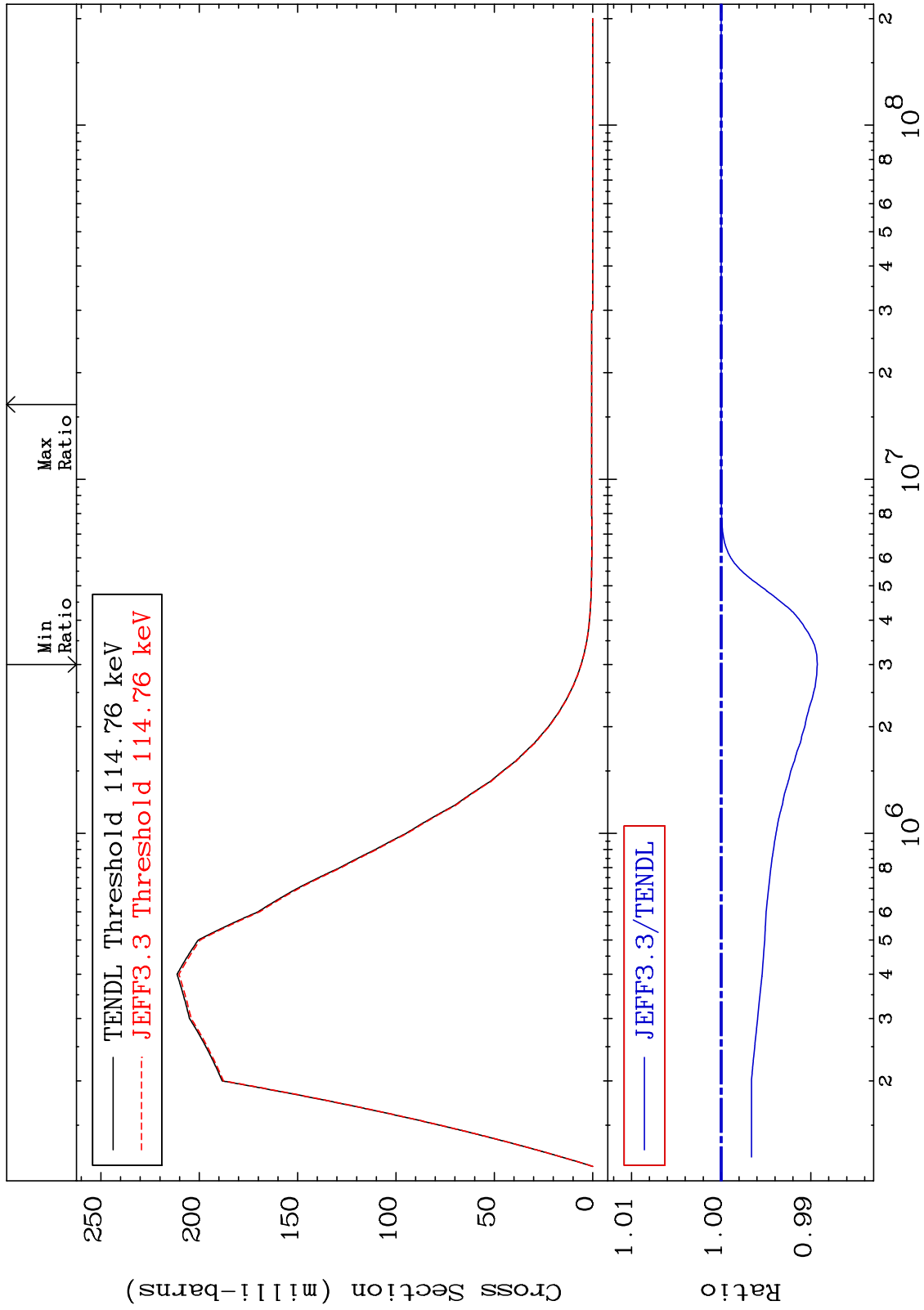
MAT 7834

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

78-Pt-193
-14.50 To 0.000 %



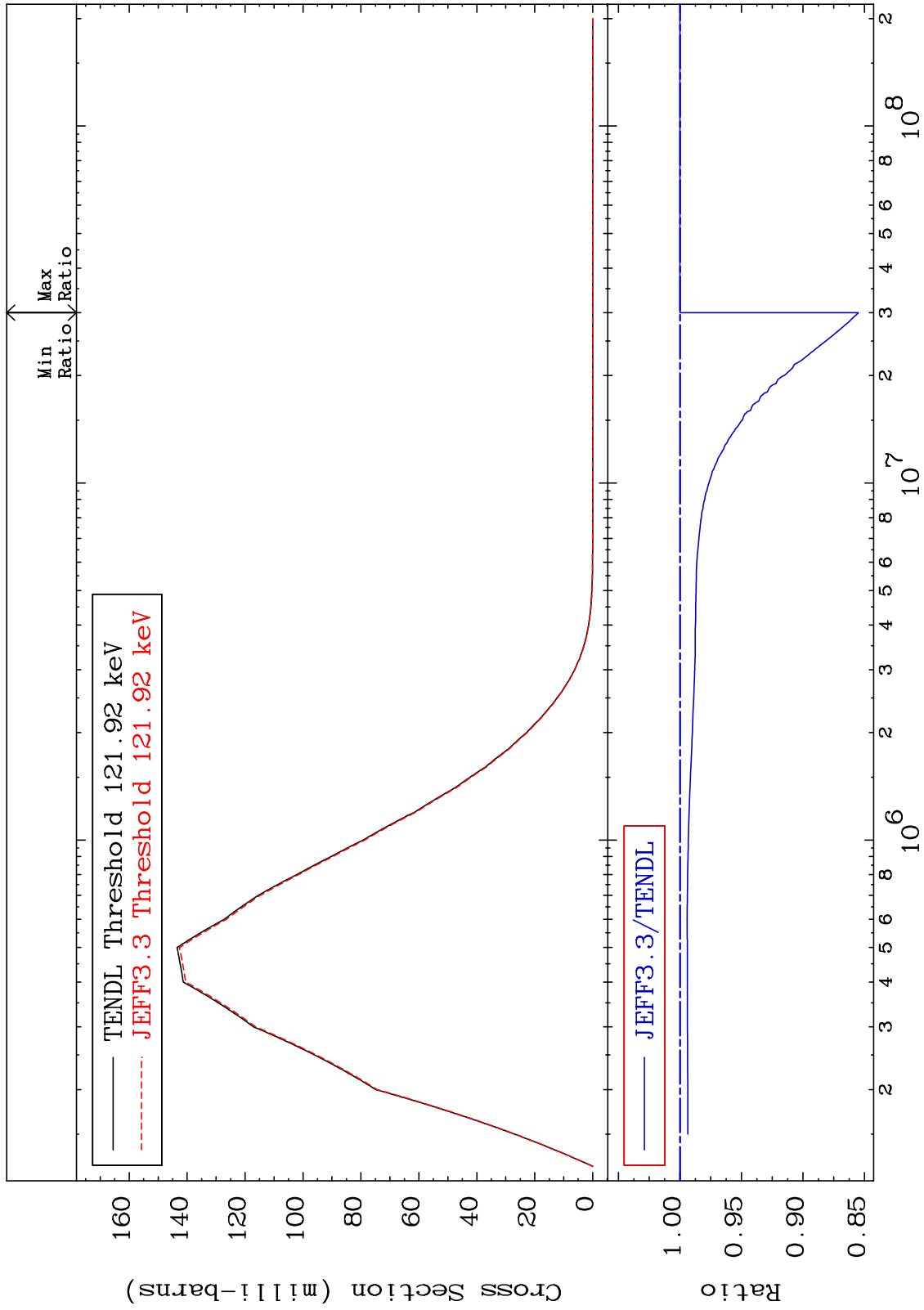
MAT 7834 MT= 53 (n,n') Level 78-Pt-193
 Cross Section -1.072 To 0.000 %



MAT 7834

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

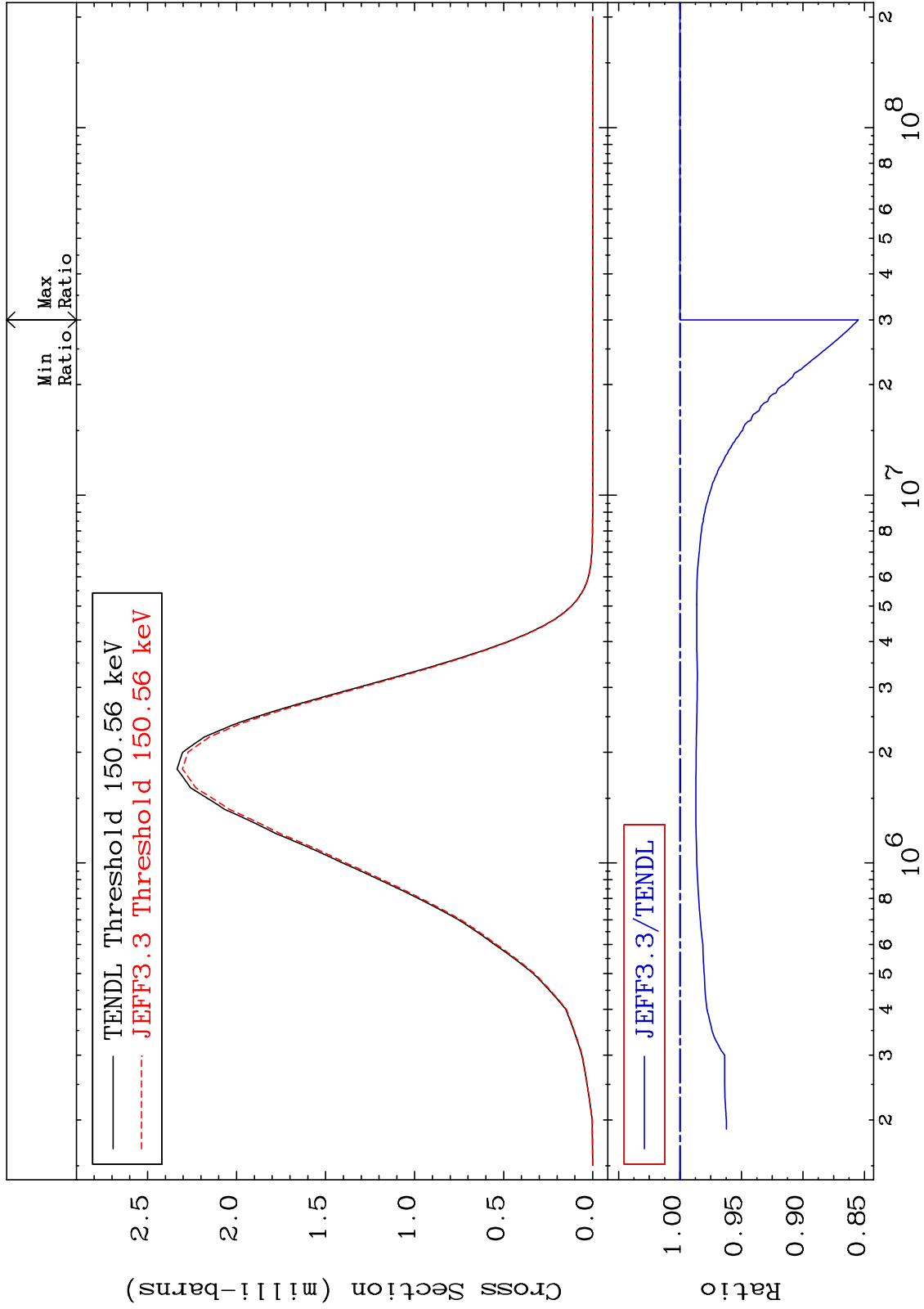
78-Pt-193
-14.50 To 0.000 %



MAT 7834

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

78-Pt-193
-14.51 To 0.000 %



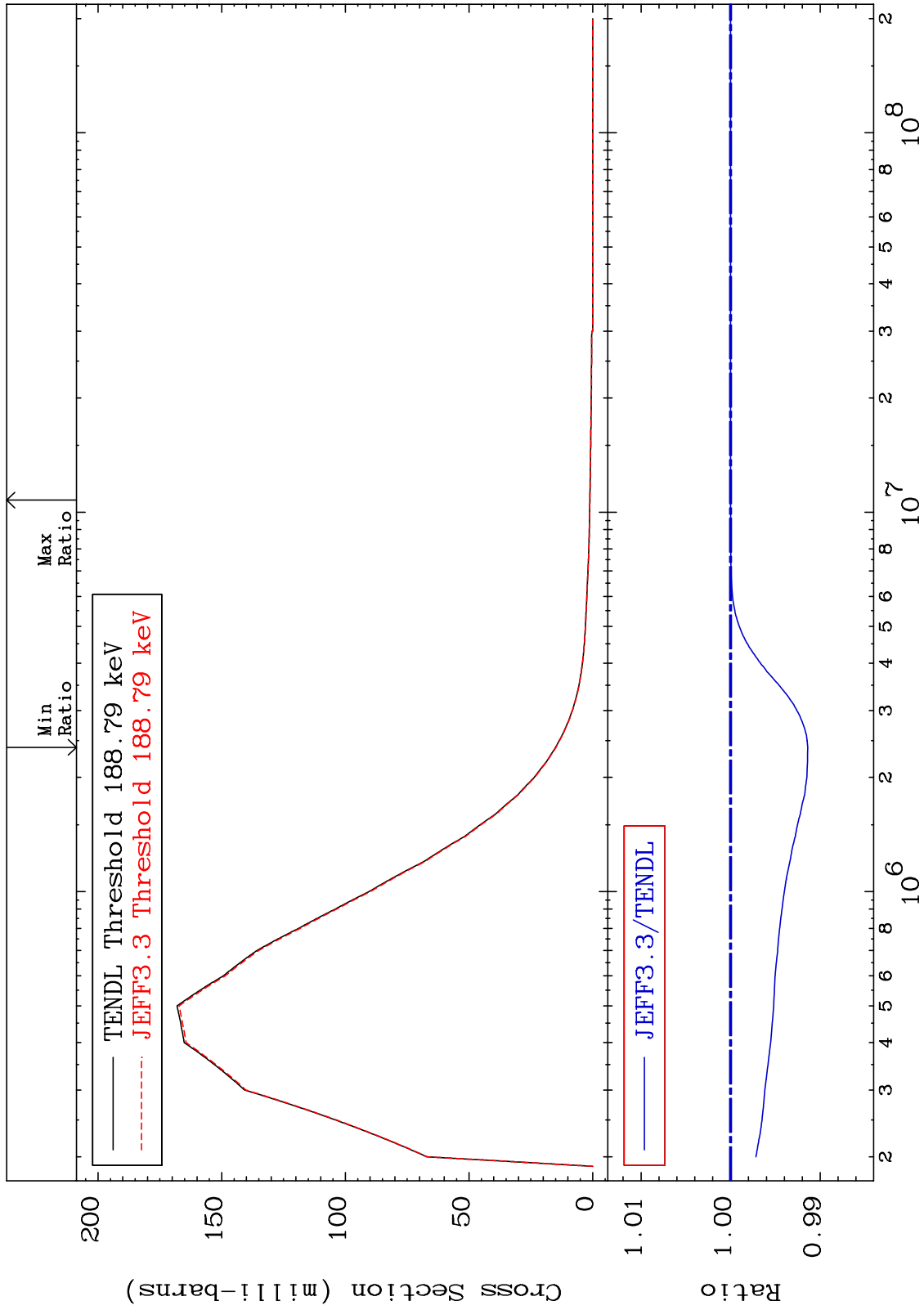
MAT 7834

MT= 56 (n,n') Level

78-Pt-193

-0.862 To 0.000 %

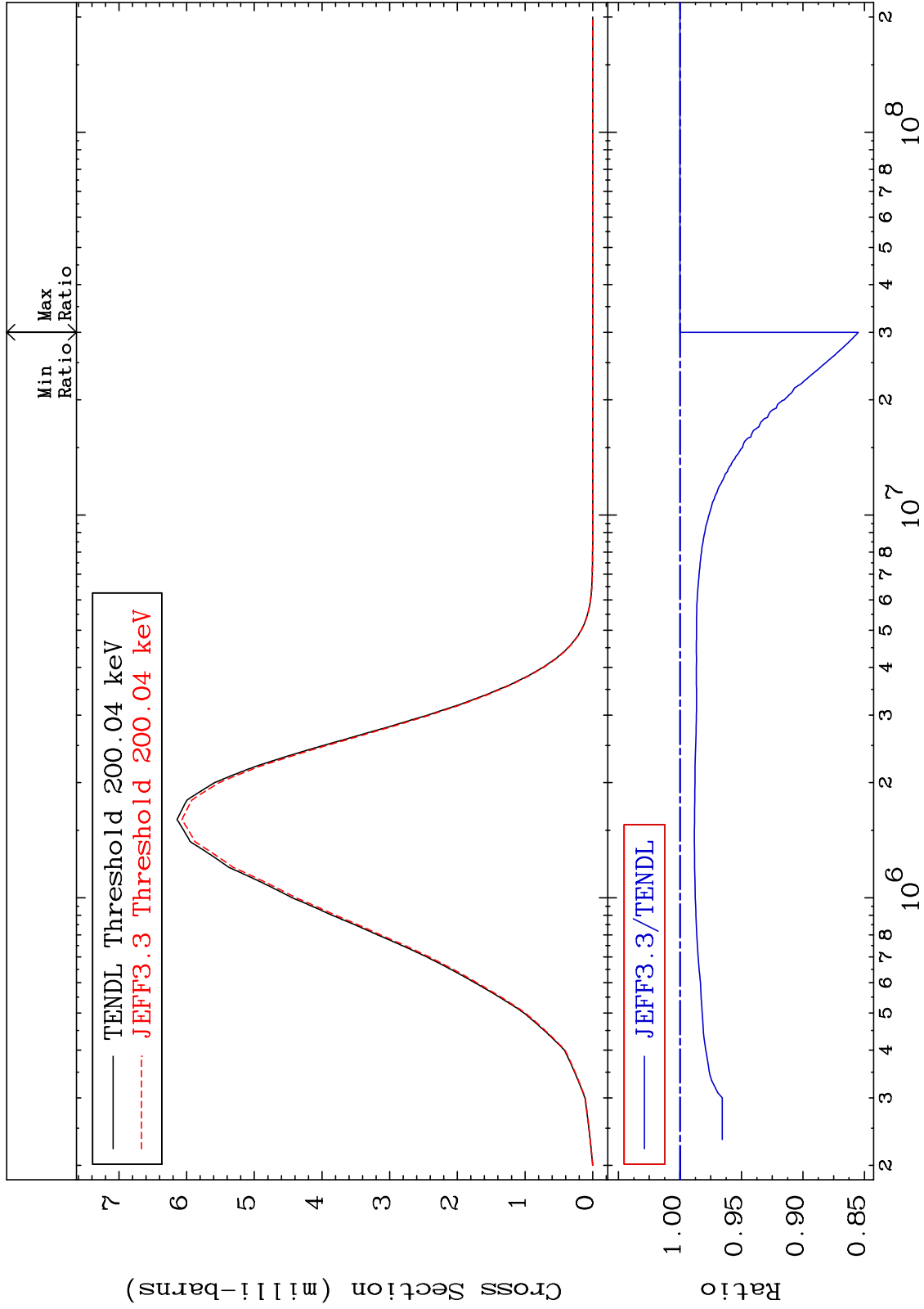
Cross Section



MAT 7834

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

78-Pt-193
-14.51 To 0.000 %

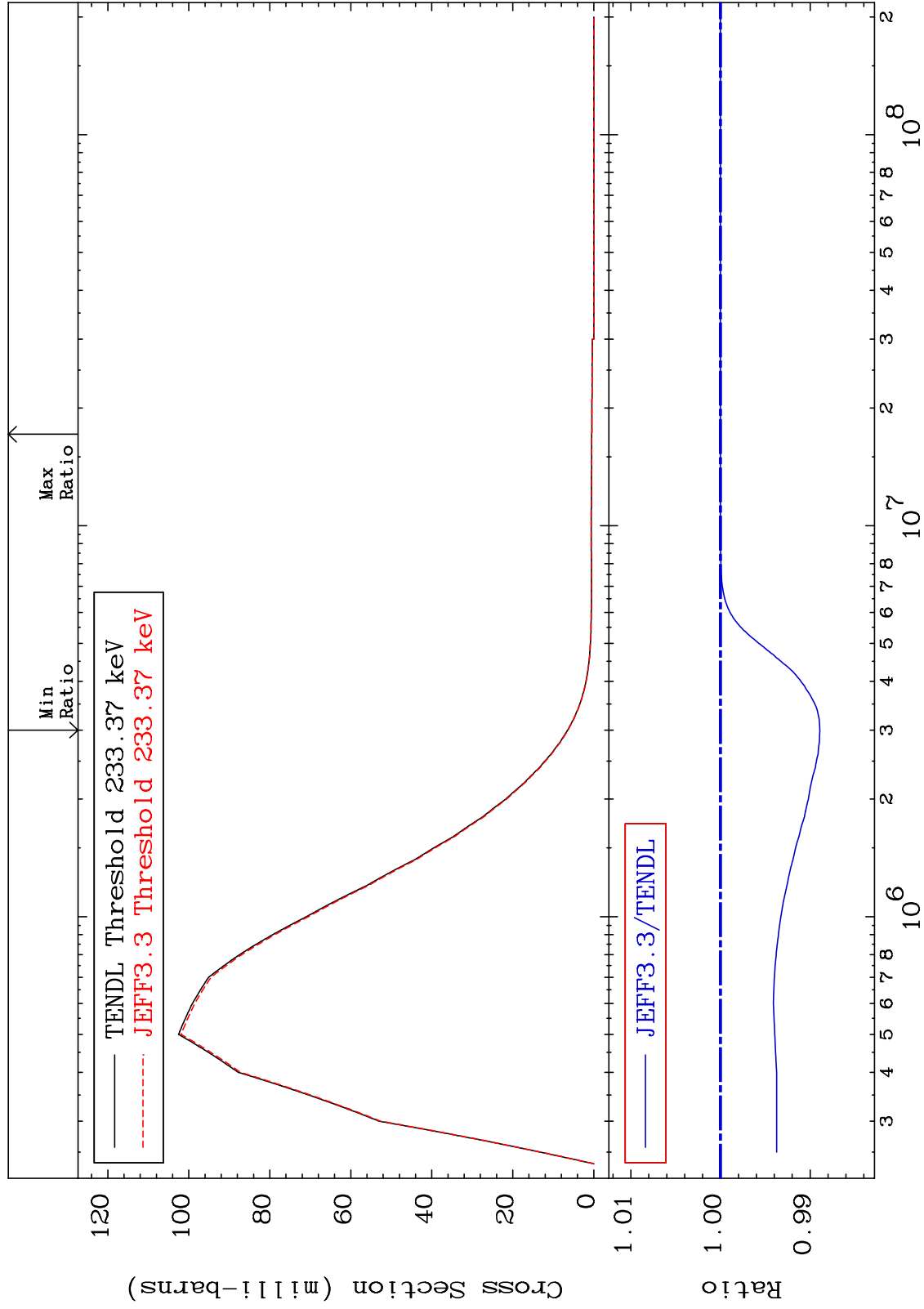


MAT 7834

MT= 58 (n,n') Level

78-Pt-193

Cross Section
-1.109 To 0.000 %



26

Incident Energy (eV)

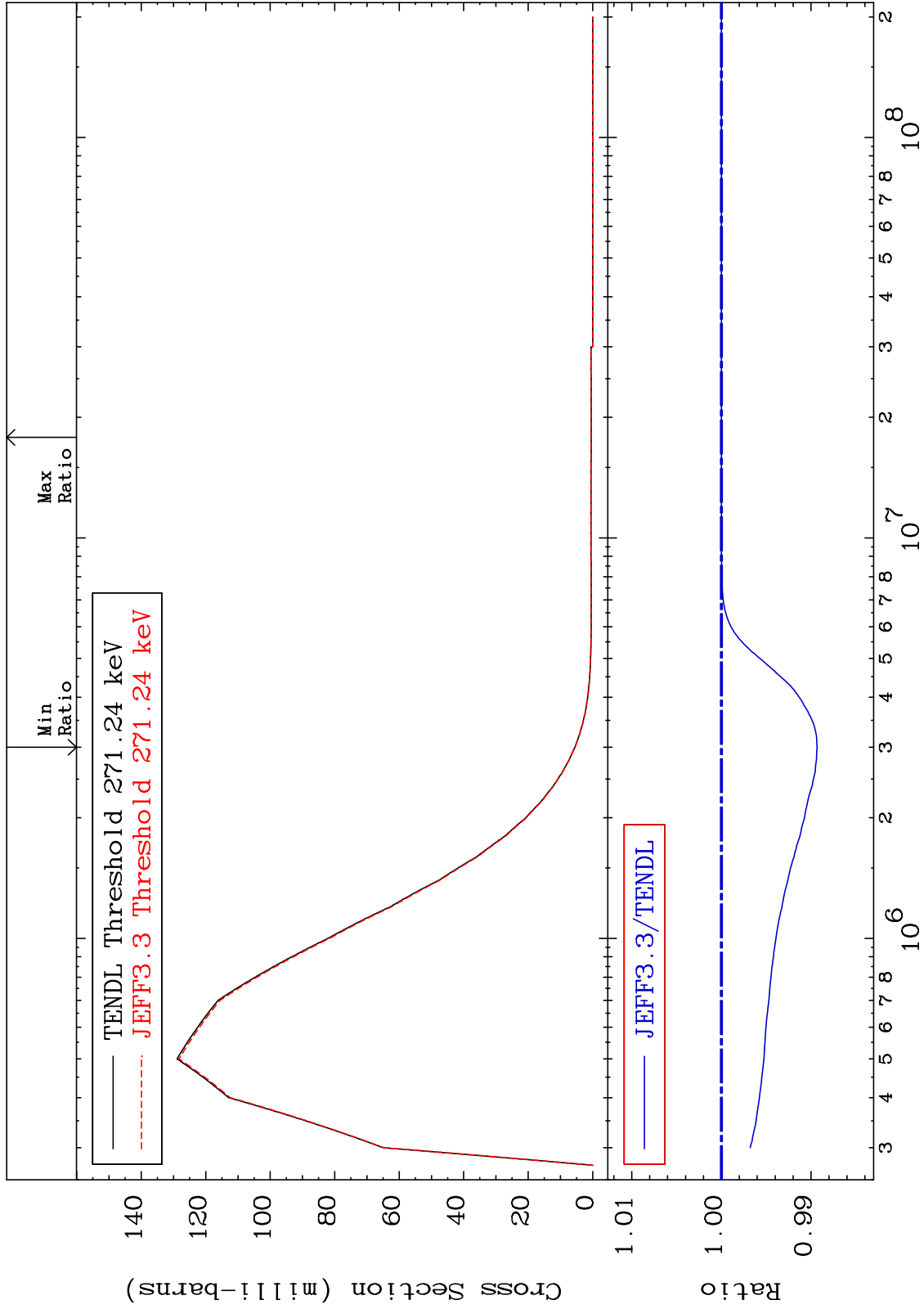
78-Pt-193

MAT 7834

MT= 59 (n,n') Level

78-Pt-193

Cross Section
-1.067 To 0.000 %



27

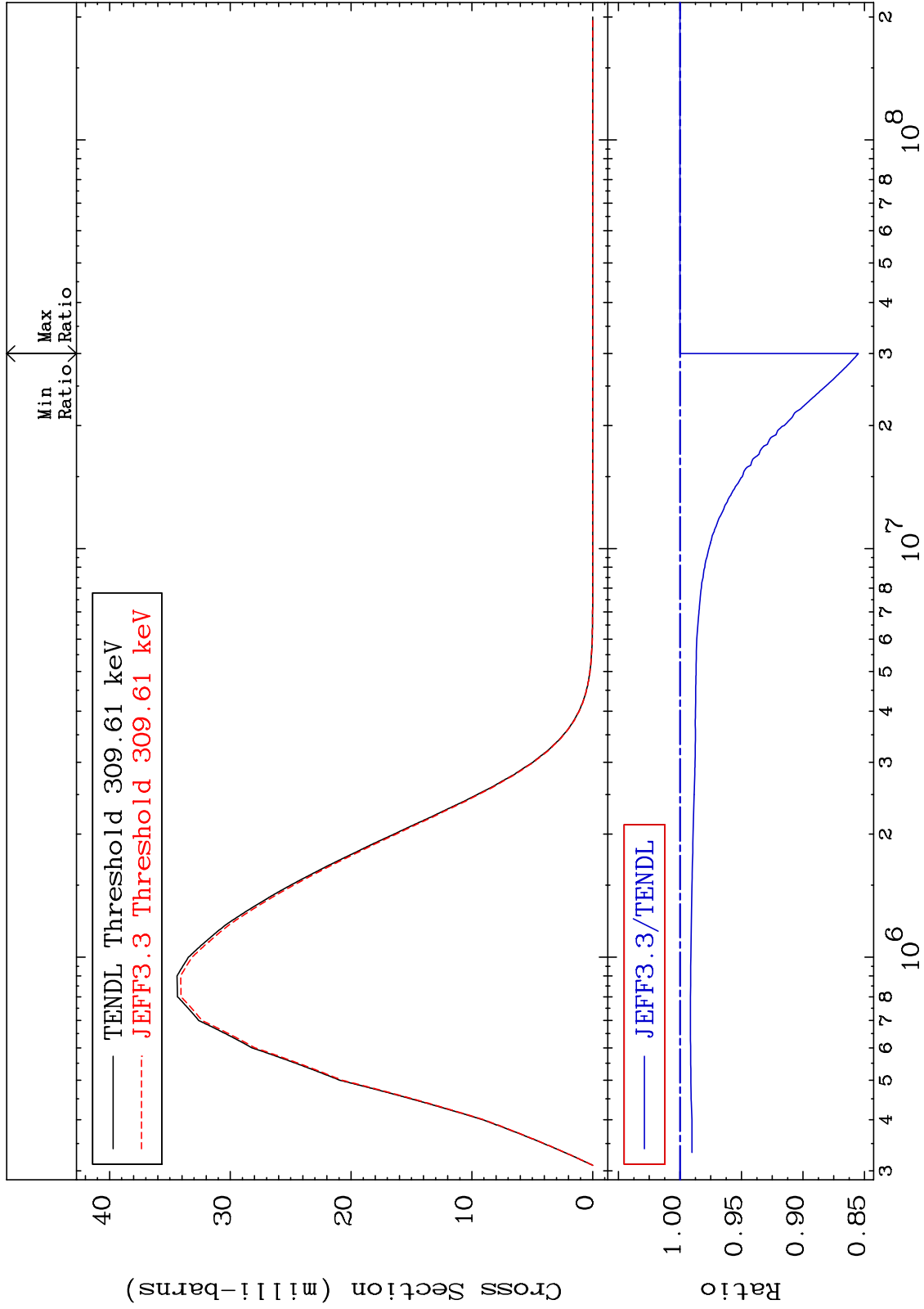
Incident Energy (eV)

78-Pt-193

MAT 7834

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

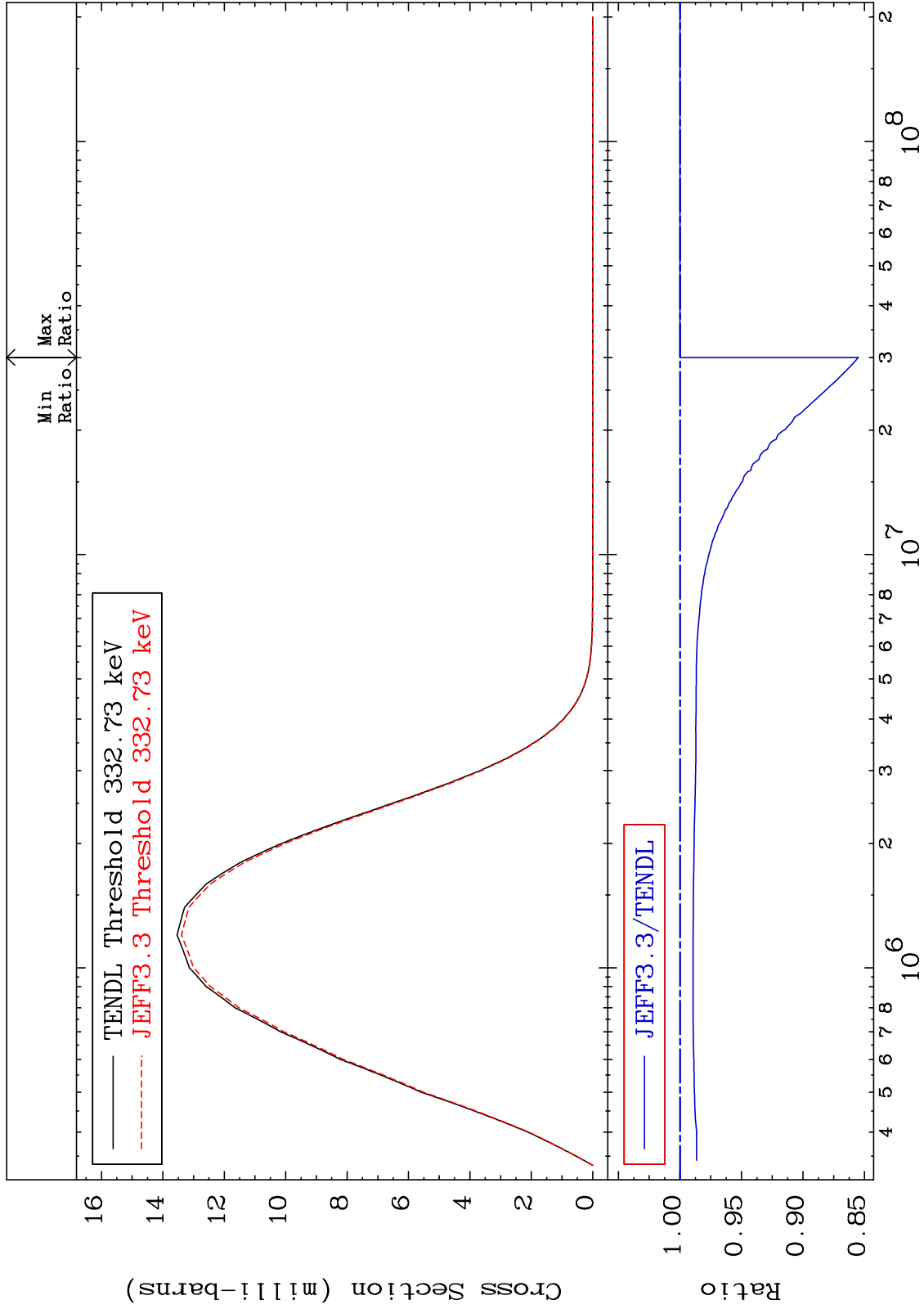
78-Pt-193
-14.50 To 0.000 %



MAT 7834

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

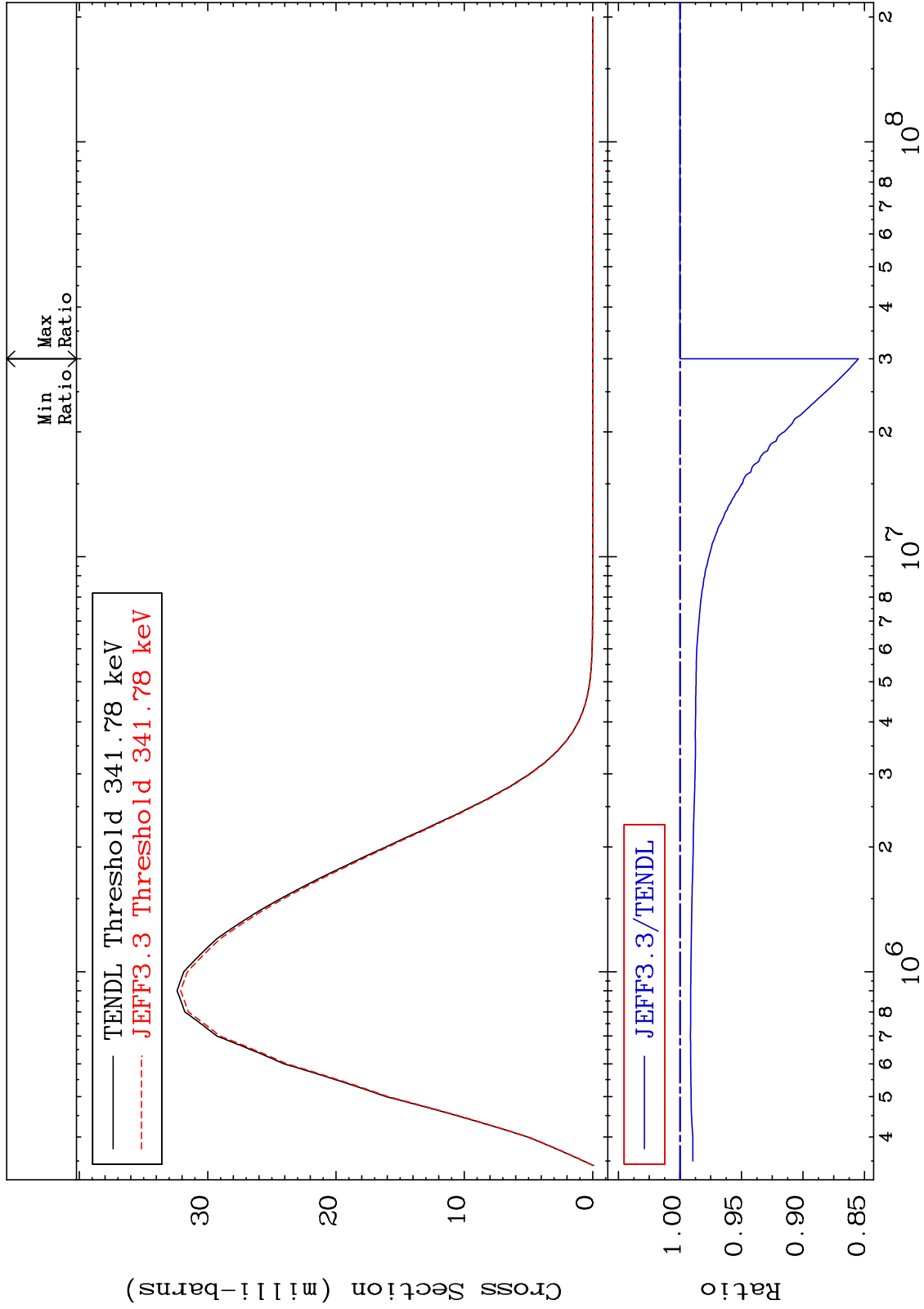
78-Pt-193
-14.50 To 0.000 %



MAT 7834

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

78-Pt-193
-14.50 To 0.000 %



30

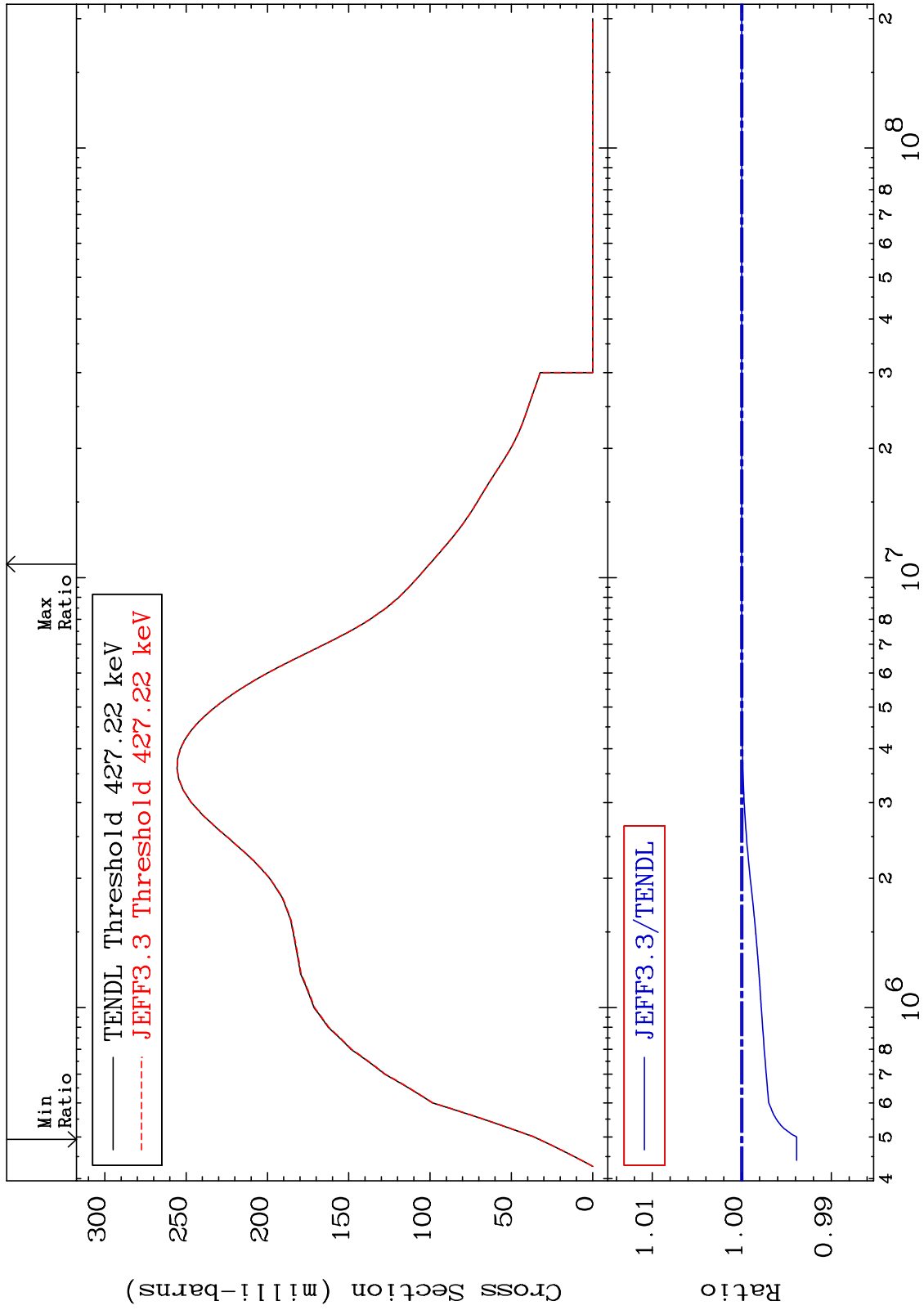
Incident Energy (eV)

78-Pt-193

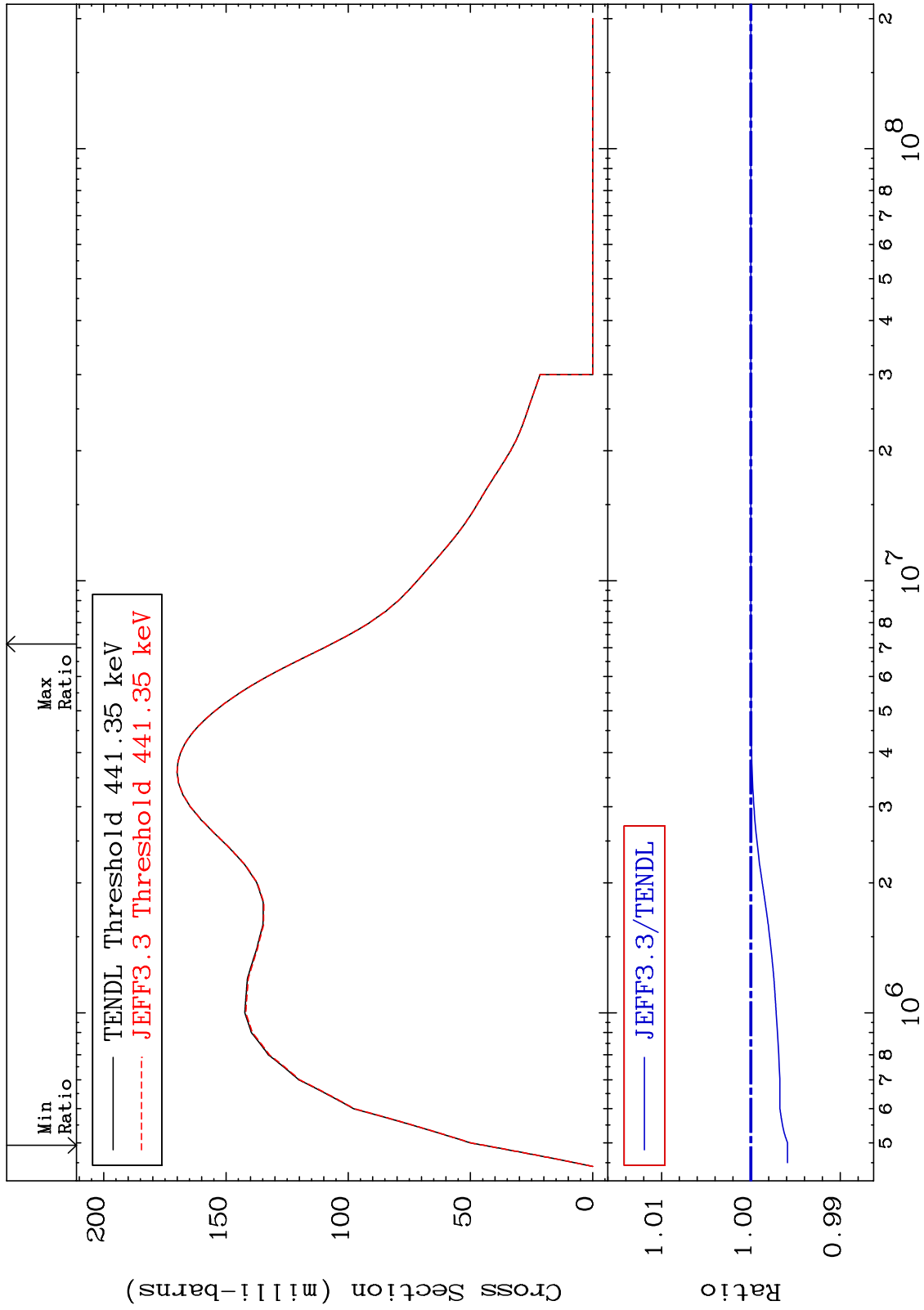
MAT 7834

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

78-Pt-193
-0.614 To 0.000 %



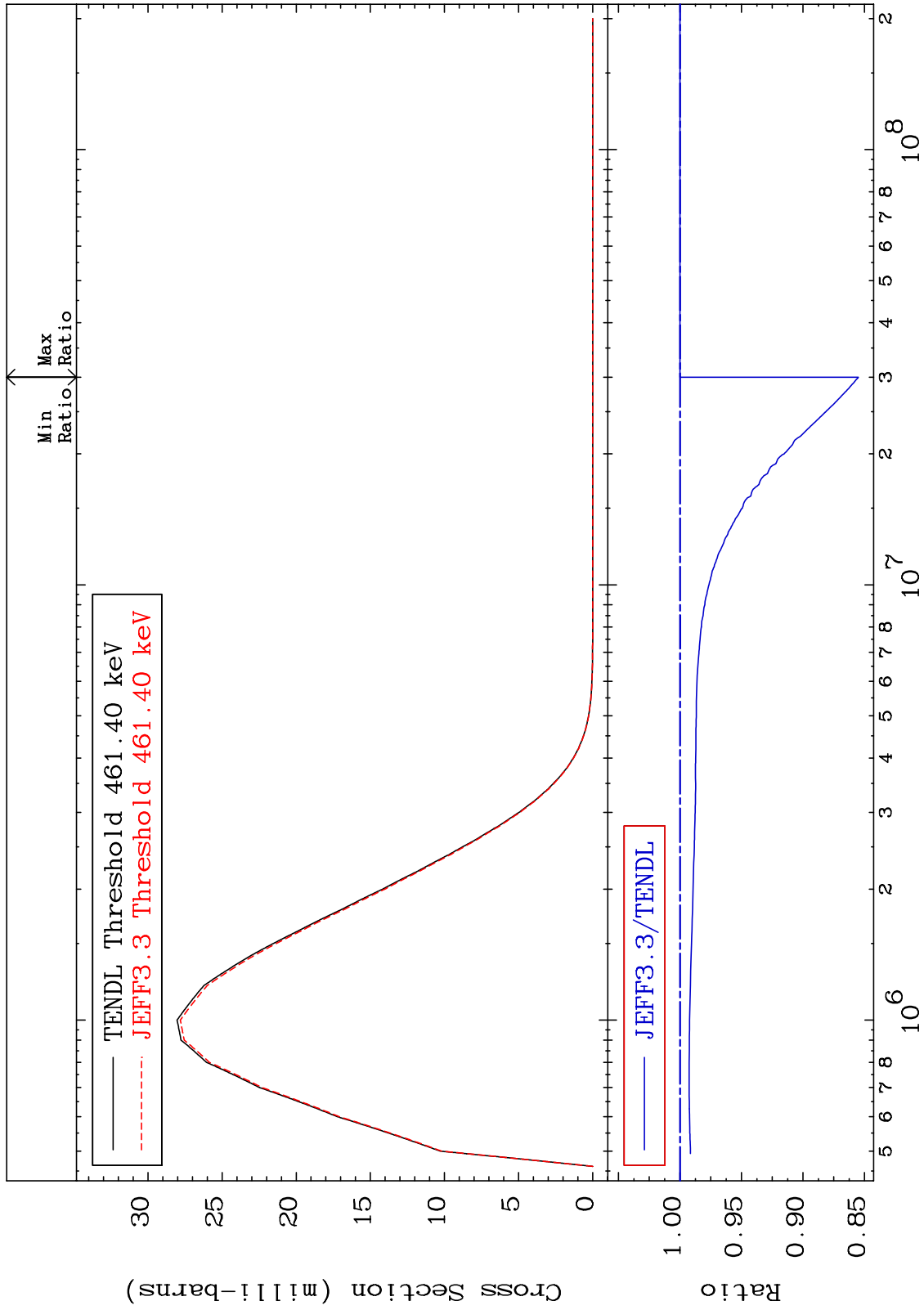
MAT 7834 MT= 64 (n,n') Level Cross Section -0.410 To 0.000 % 78-Pt-193



MAT 7834

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

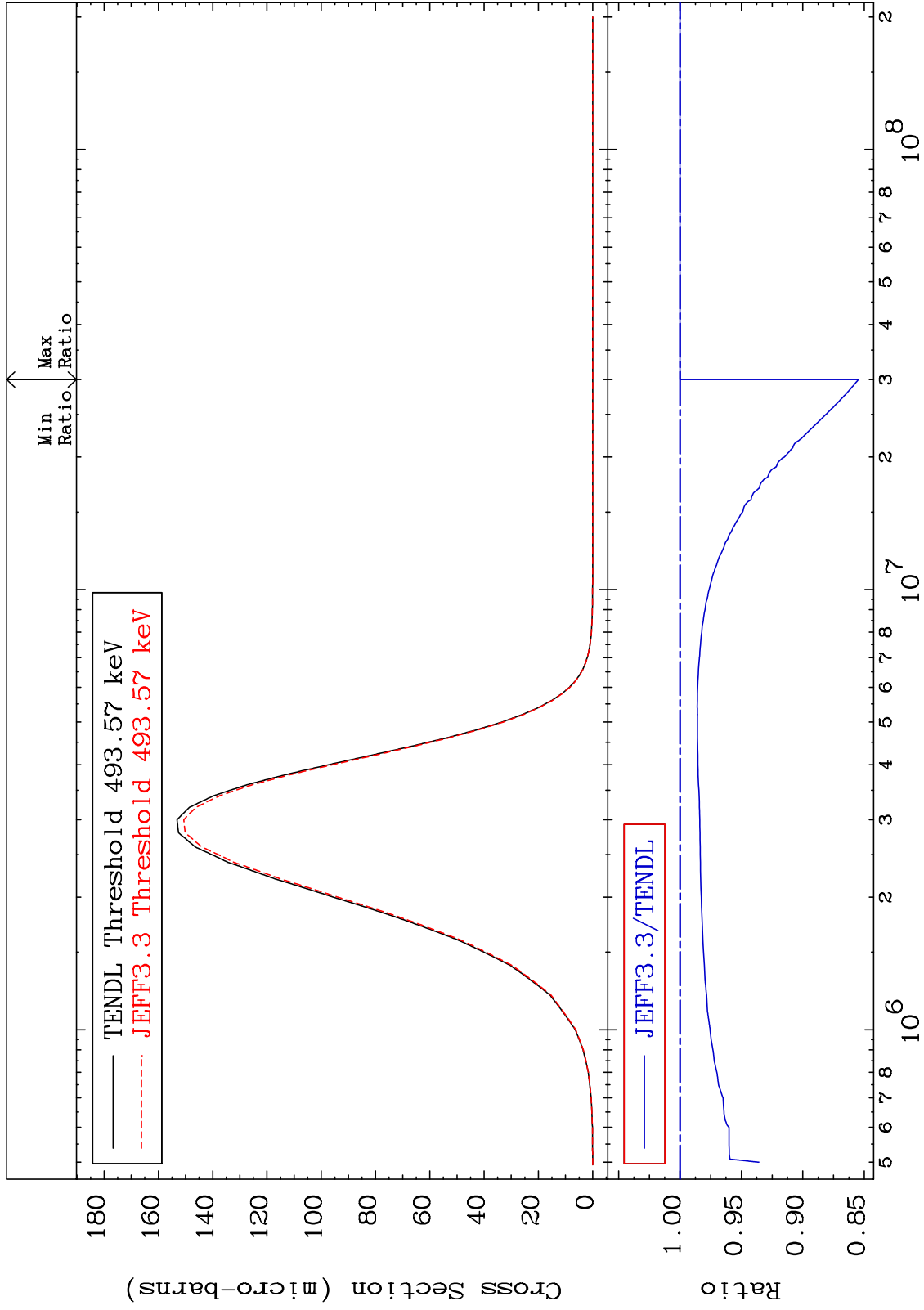
78-Pt-193
-14.50 To 0.000 %



MAT 7834

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

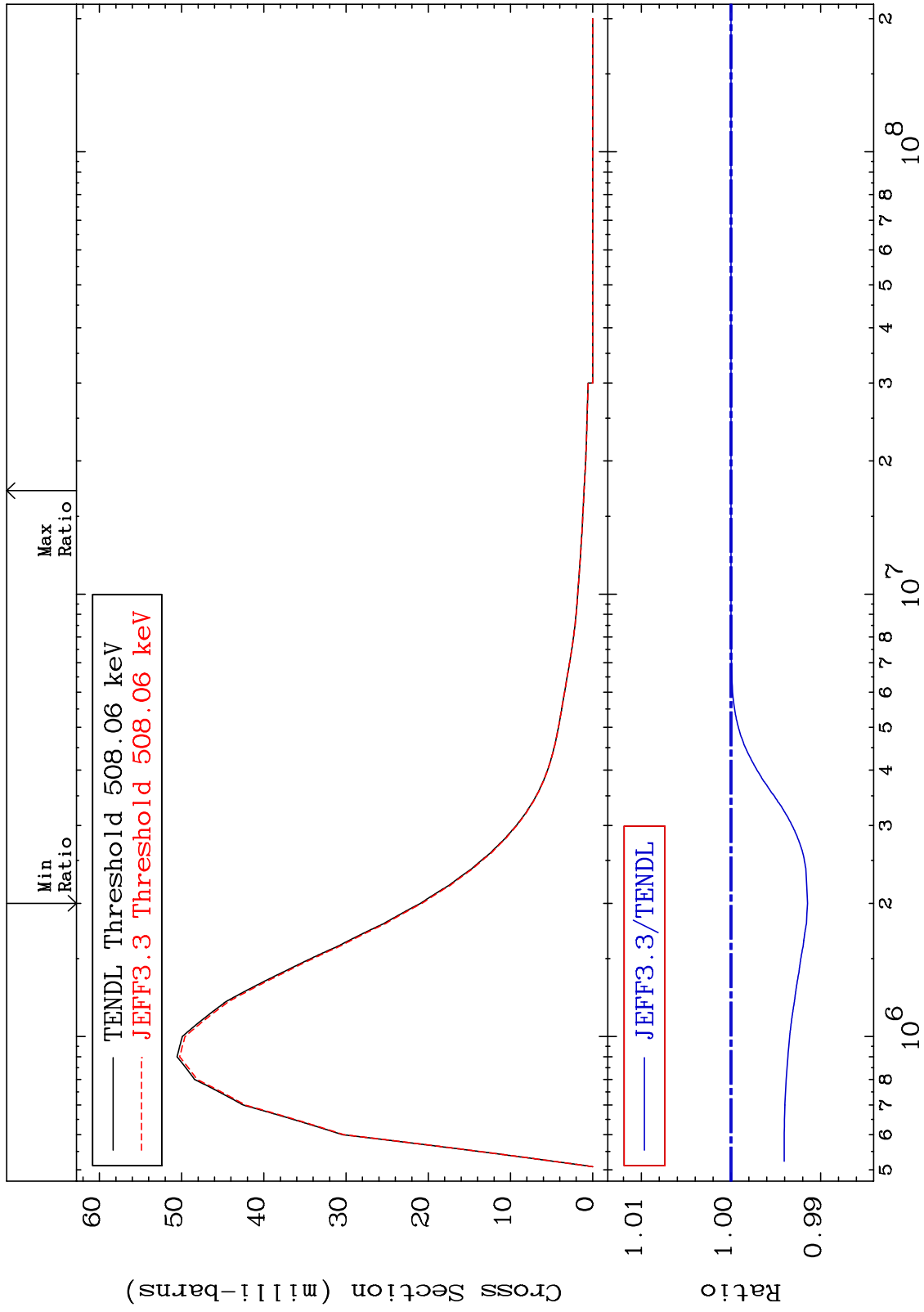
78-Pt-193
-14.53 To 0.000 %



MAT 7834

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

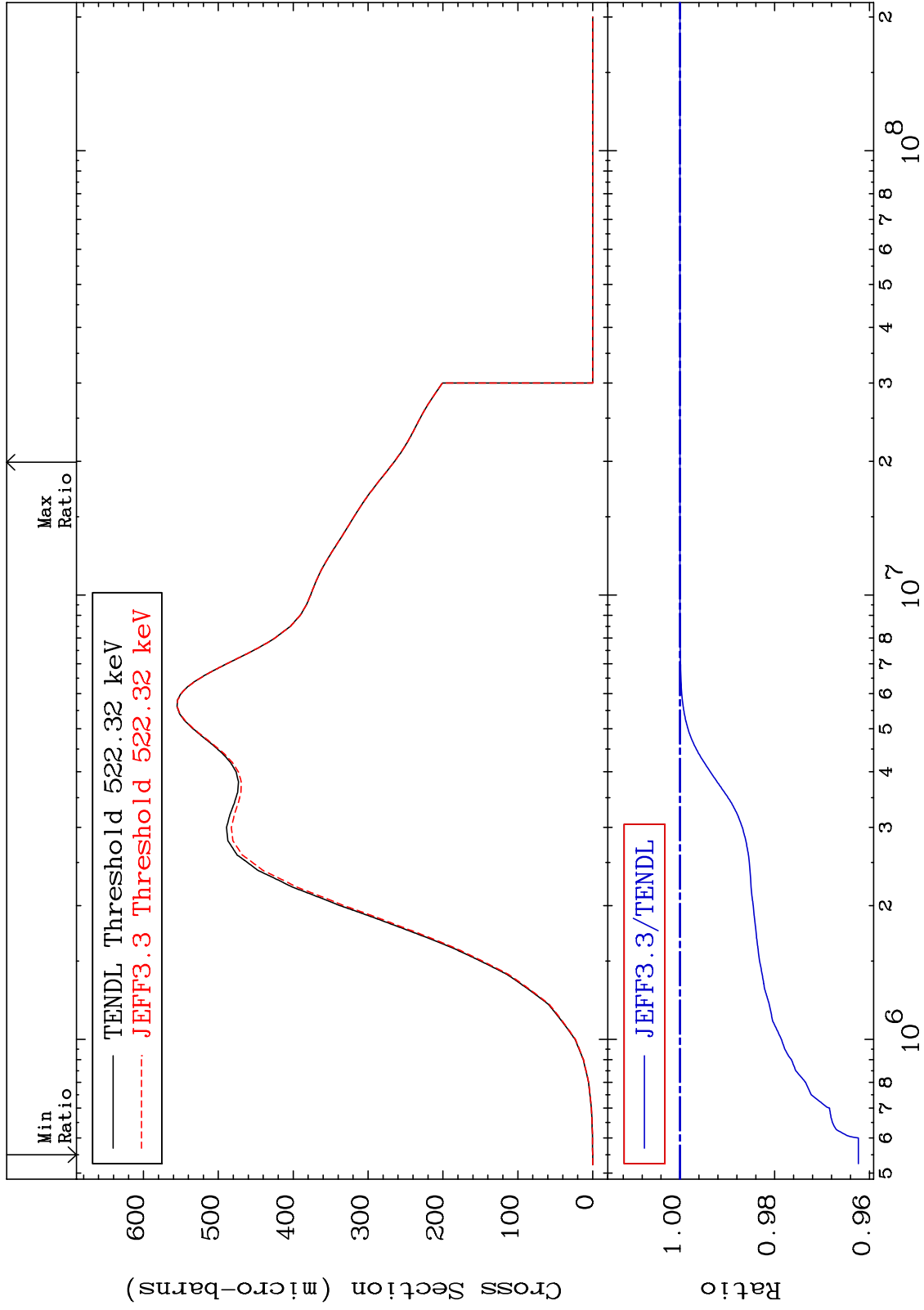
78-Pt-193
-0.854 To 0.000 %



MAT 7834

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

78-Pt-193
-3.768 To 0.000 %



36

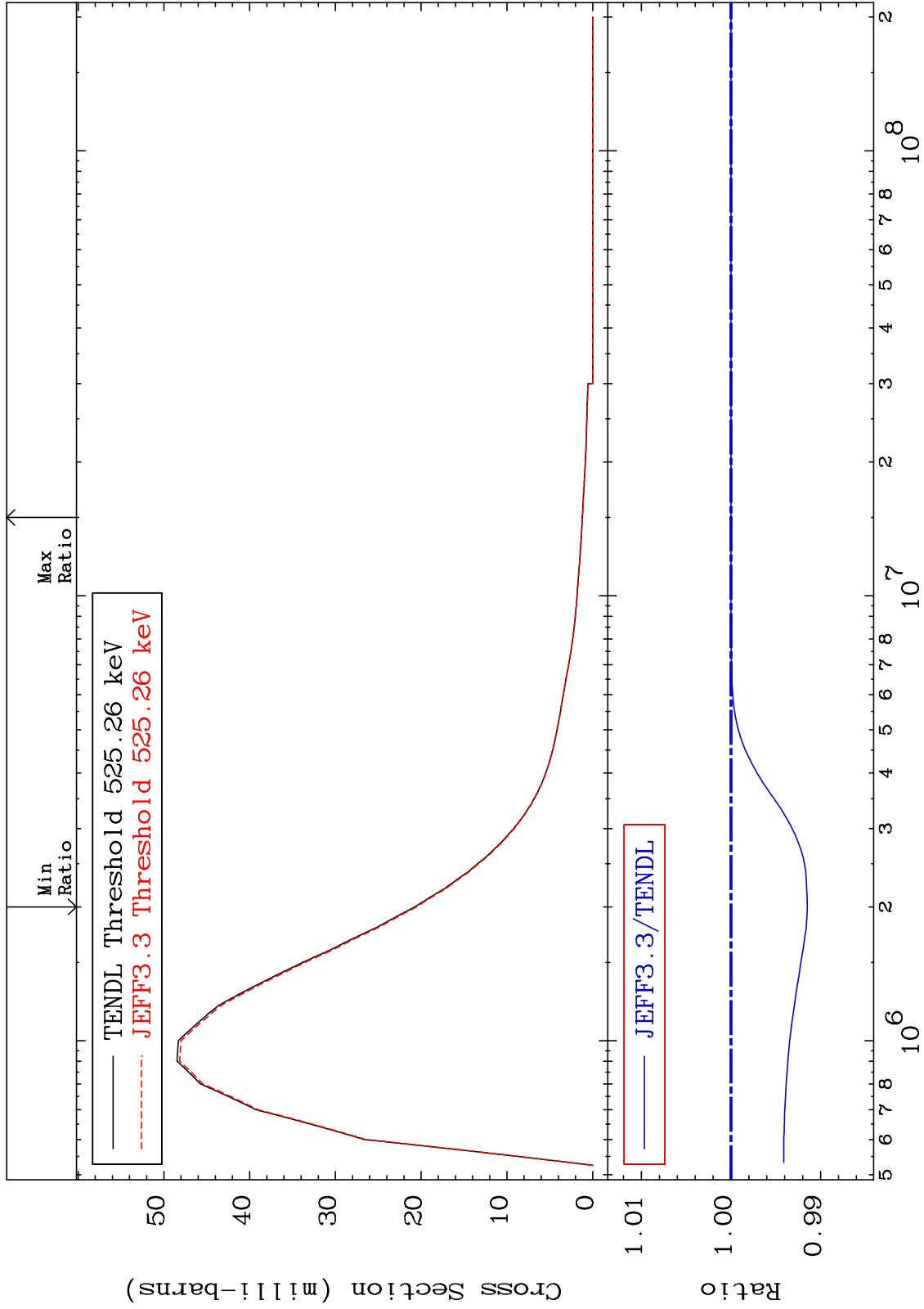
Incident Energy (eV)

78-Pt-193

MAT 7834

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

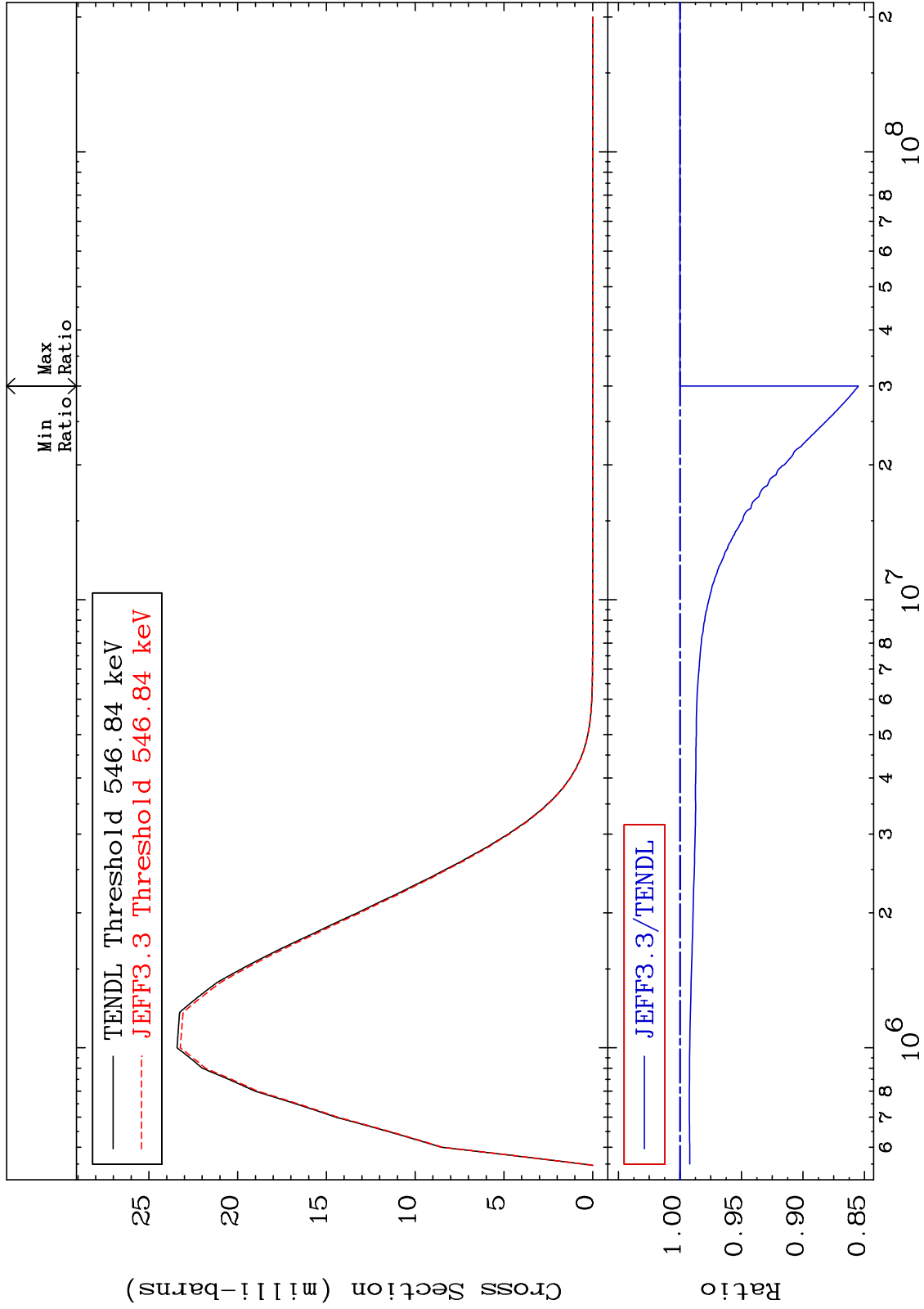
78-Pt-193
-0.853 To 0.000 %



MAT 7834

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

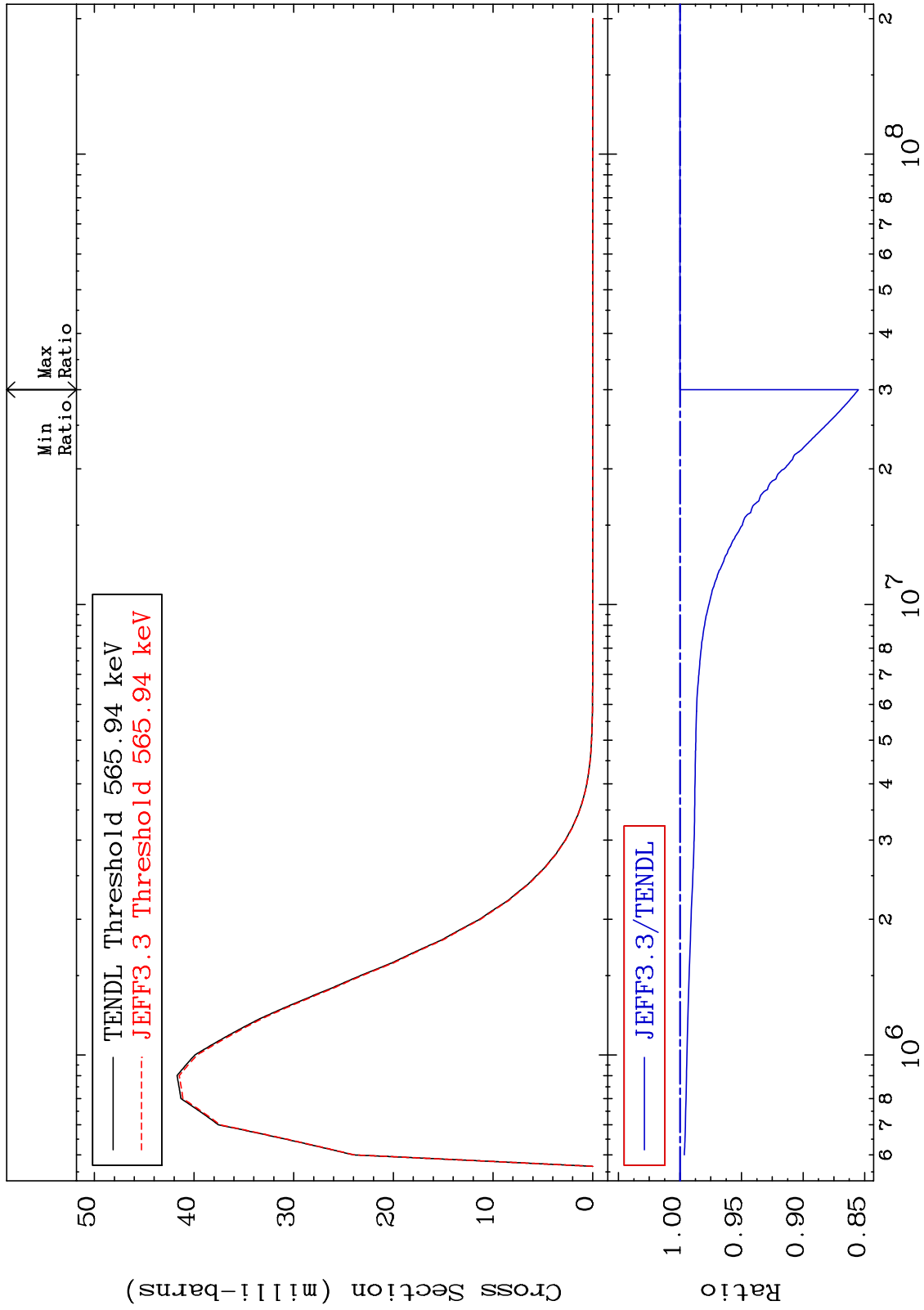
78-Pt-193
-14.50 To 0.000 %



MAT 7834

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

78-Pt-193
-14.50 To 0.000 %



40

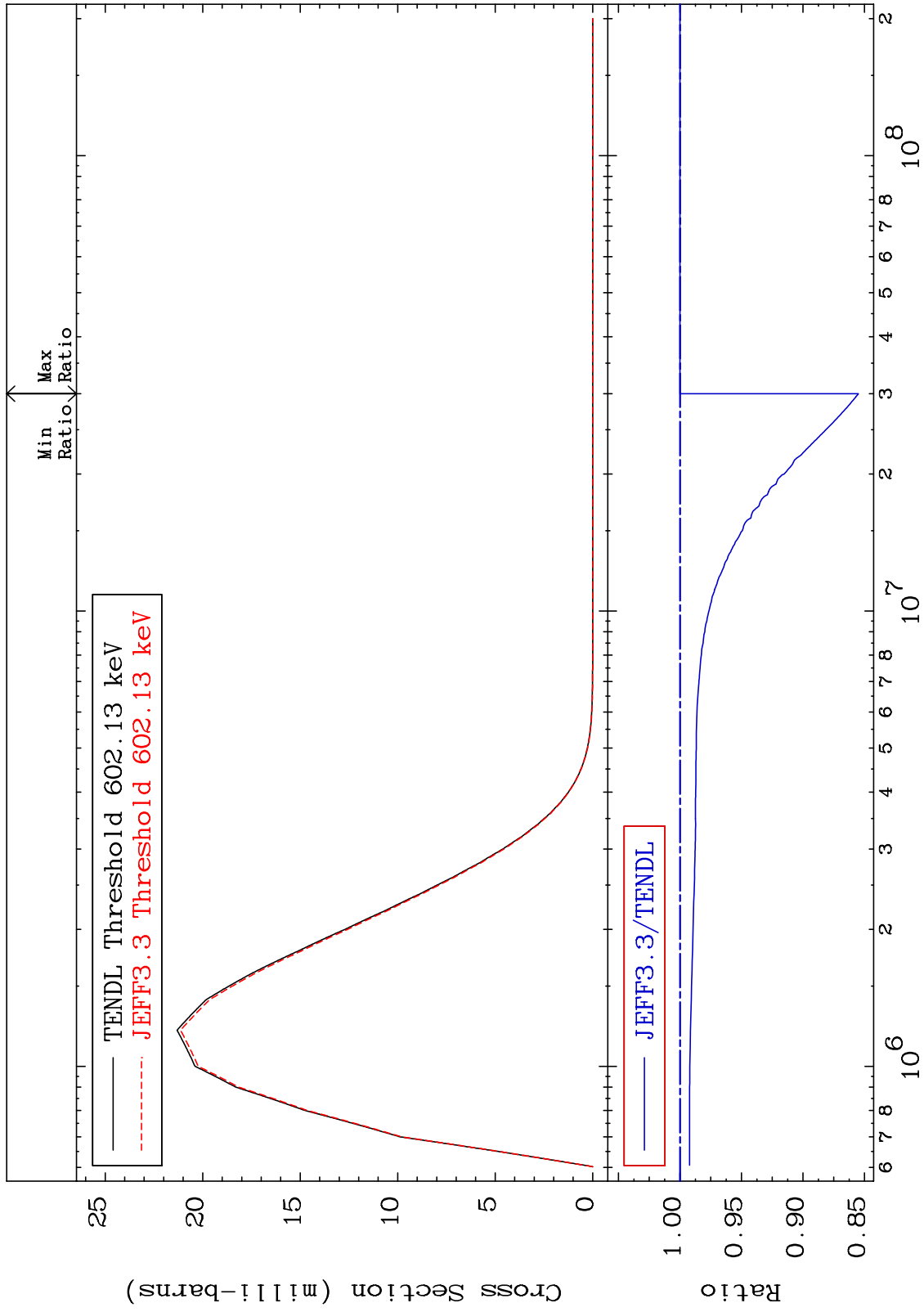
Incident Energy (eV)

78-Pt-193

MAT 7834

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

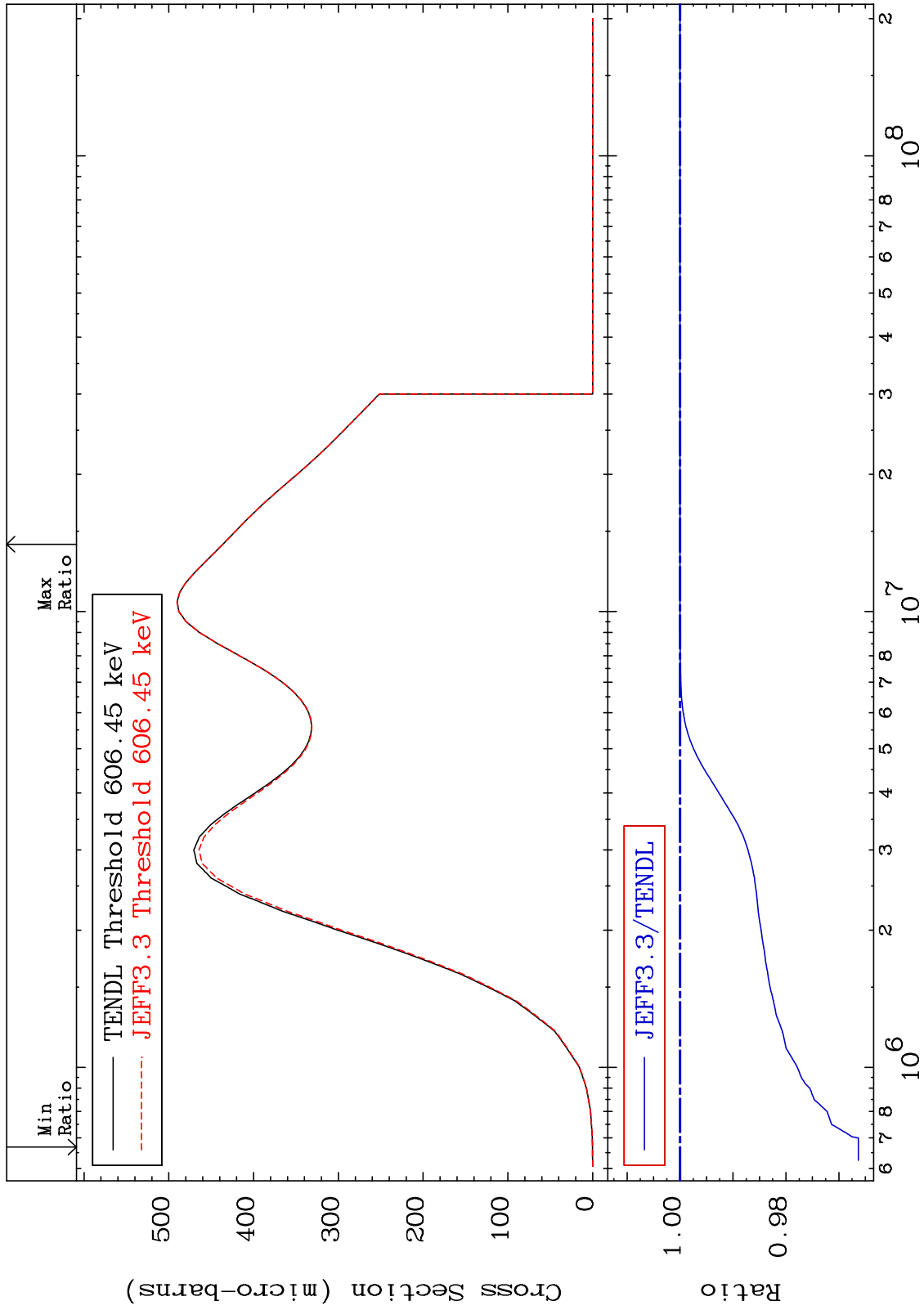
78-Pt-193
-14.50 To 0.000 %



MAT 7834

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

78-Pt-193
-3.369 To 0.000 %



42

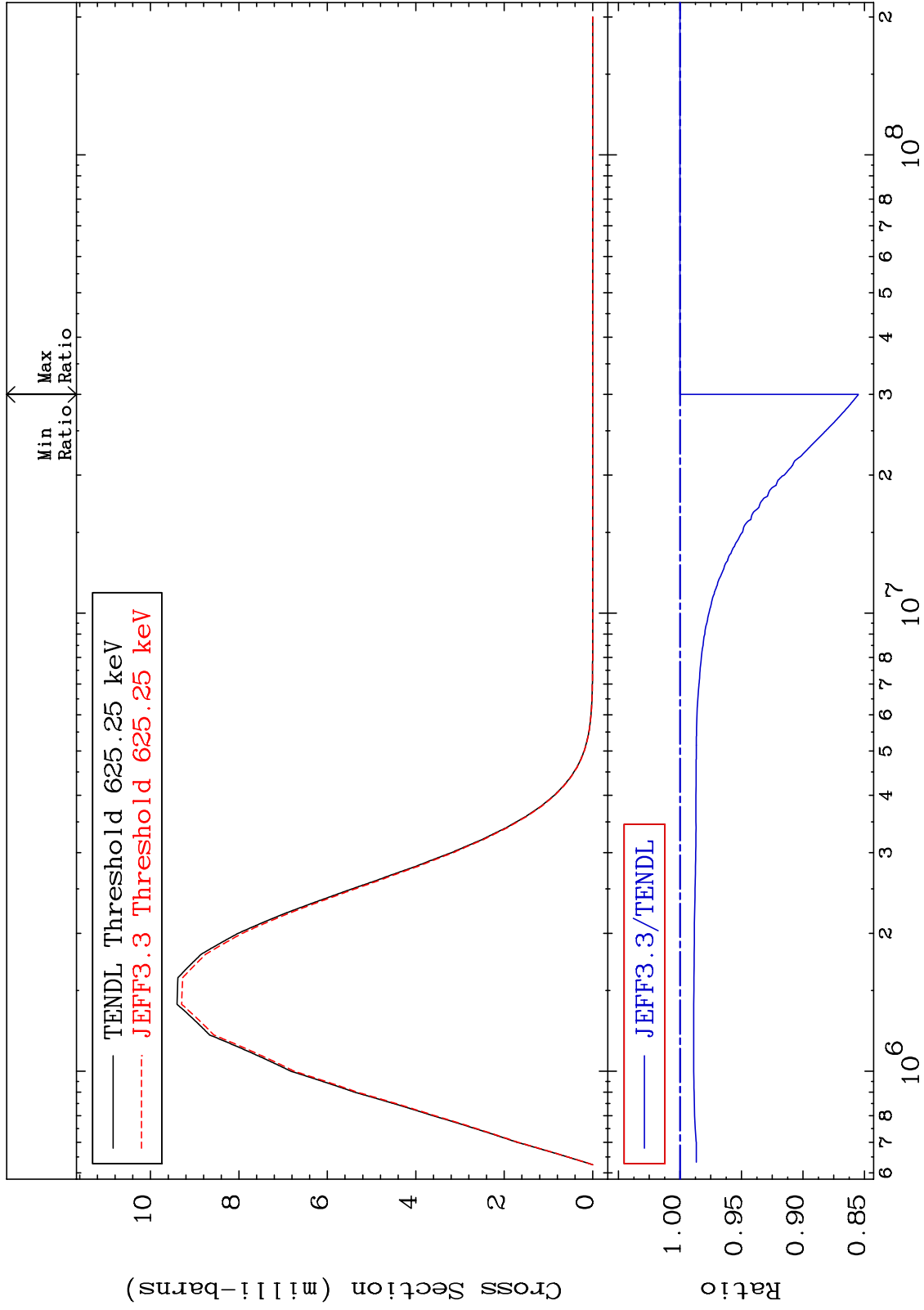
Incident Energy (eV)

78-Pt-193

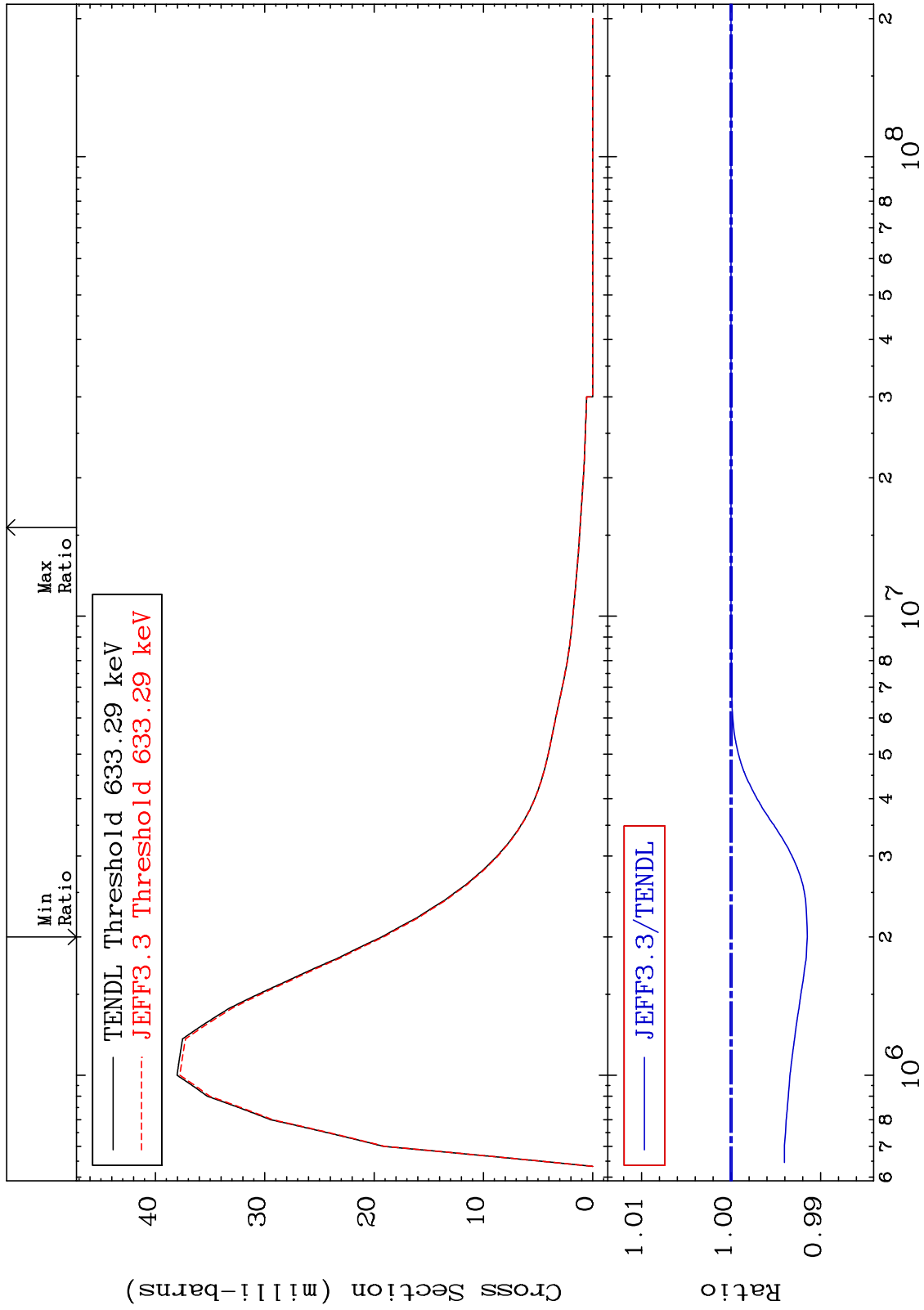
MAT 7834

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

78-Pt-193
-14.50 To 0.000 %



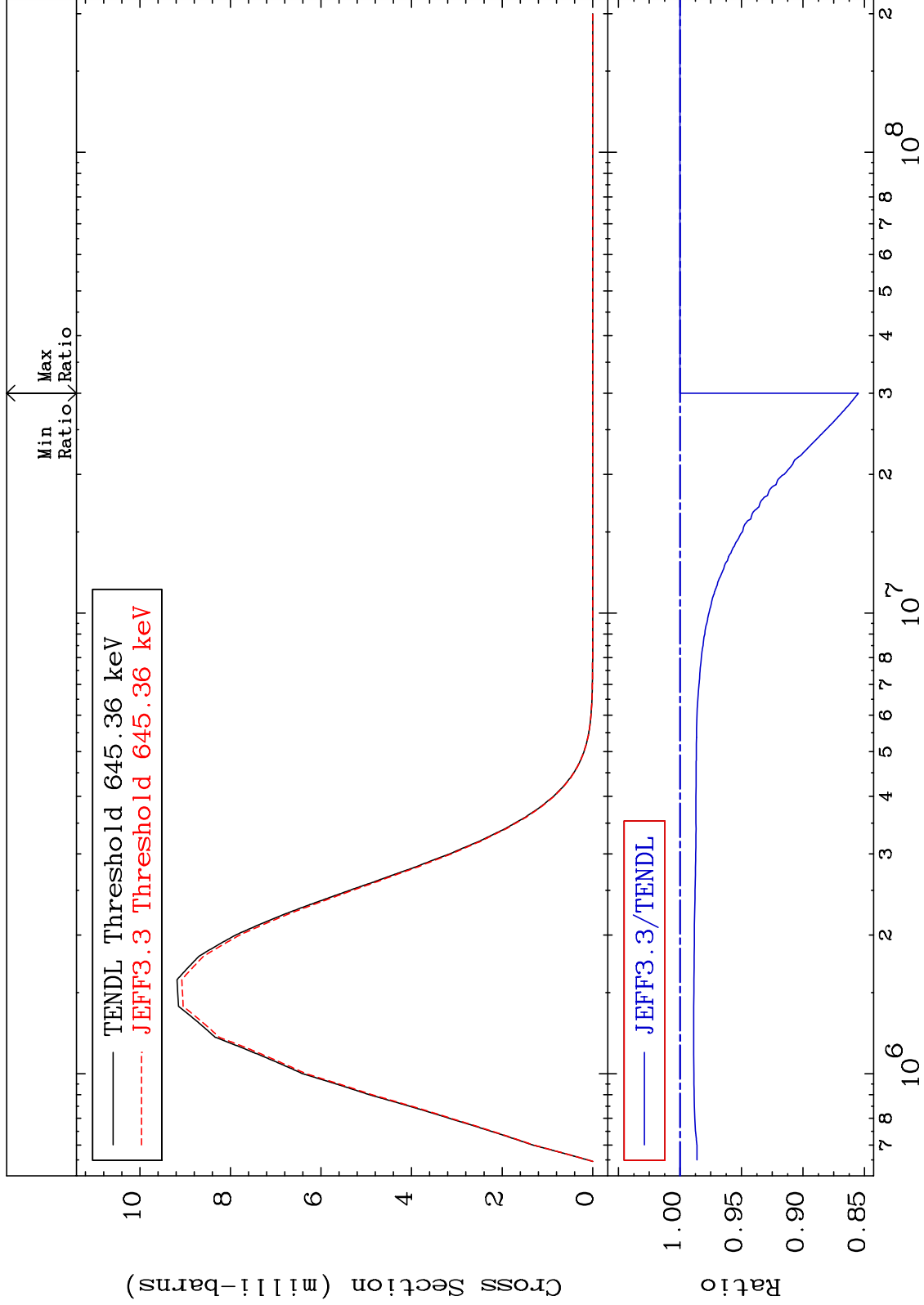
MAT 7834 MT= 76 (n, n') Level Cross Section -0.851 To 0.000 % 78-Pt-193



MAT 7834

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

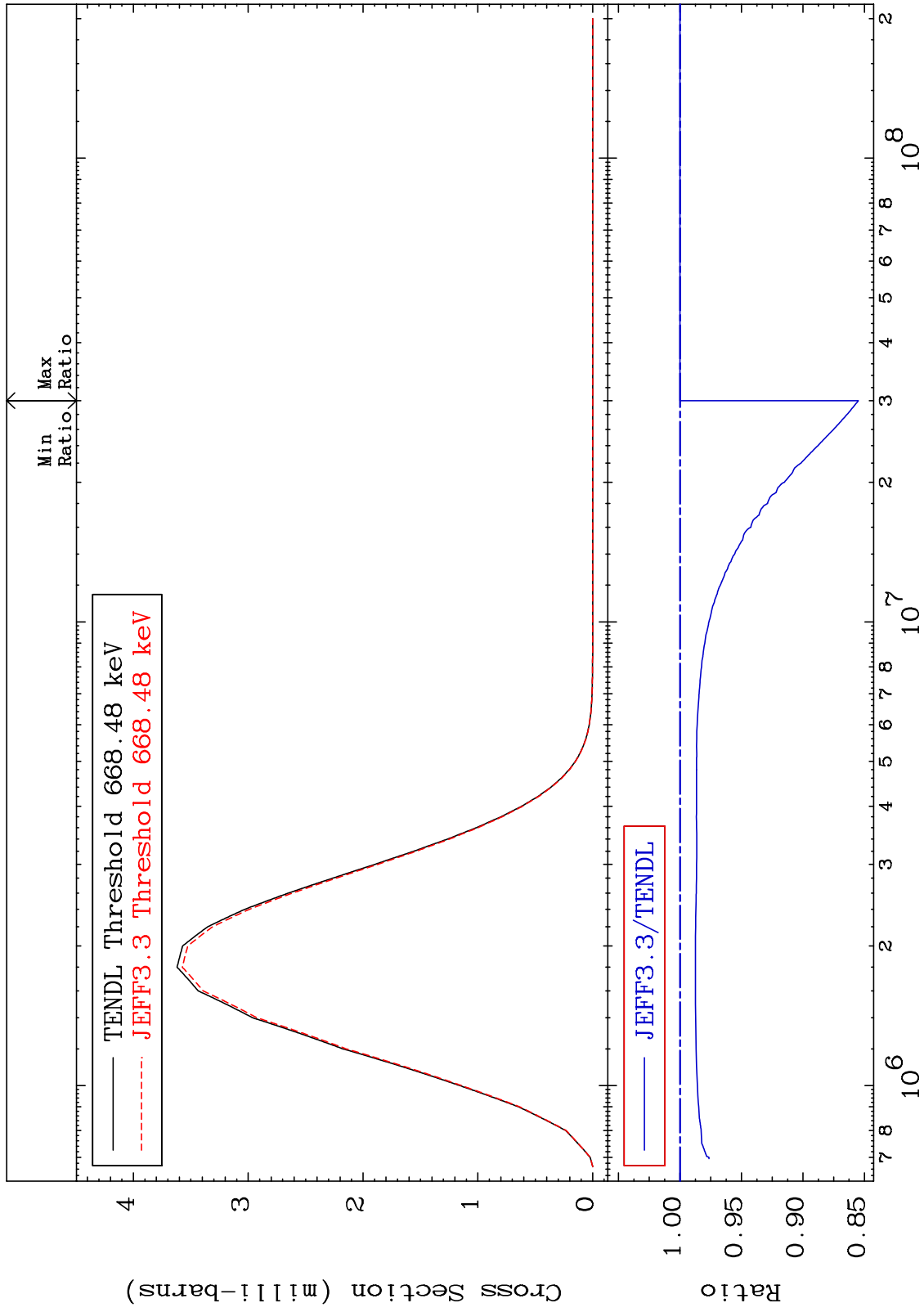
78-Pt-193
-14.50 To 0.000 %



MAT 7834

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

78-Pt-193
-14.51 To 0.000 %



46

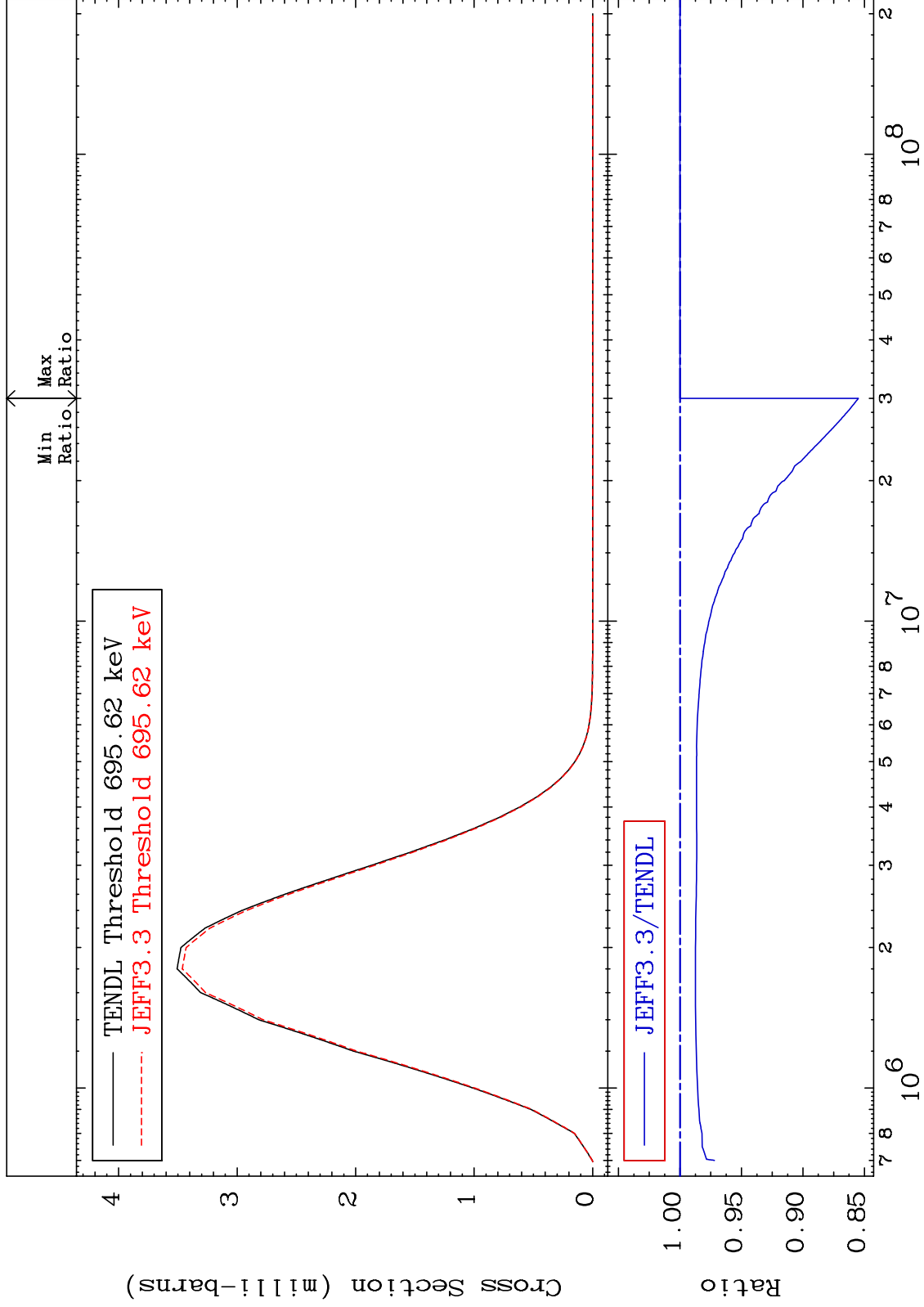
78-Pt-193

78-Pt-193

MAT 7834

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

78-Pt-193
-14.51 To 0.000 %



47

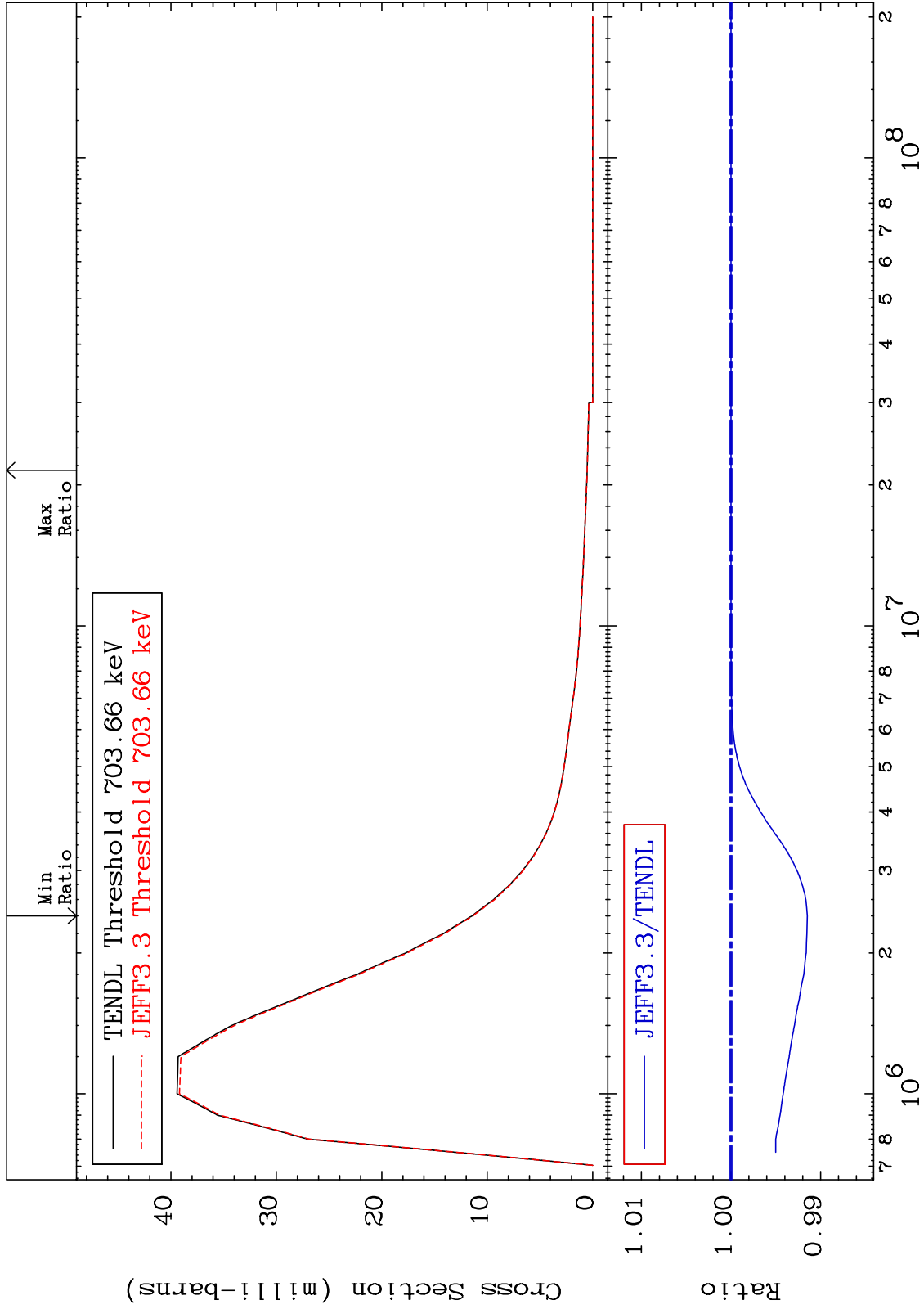
Incident Energy (eV)

78-Pt-193

MAT 7834

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

78-Pt-193
-0.853 To 0.000 %



48

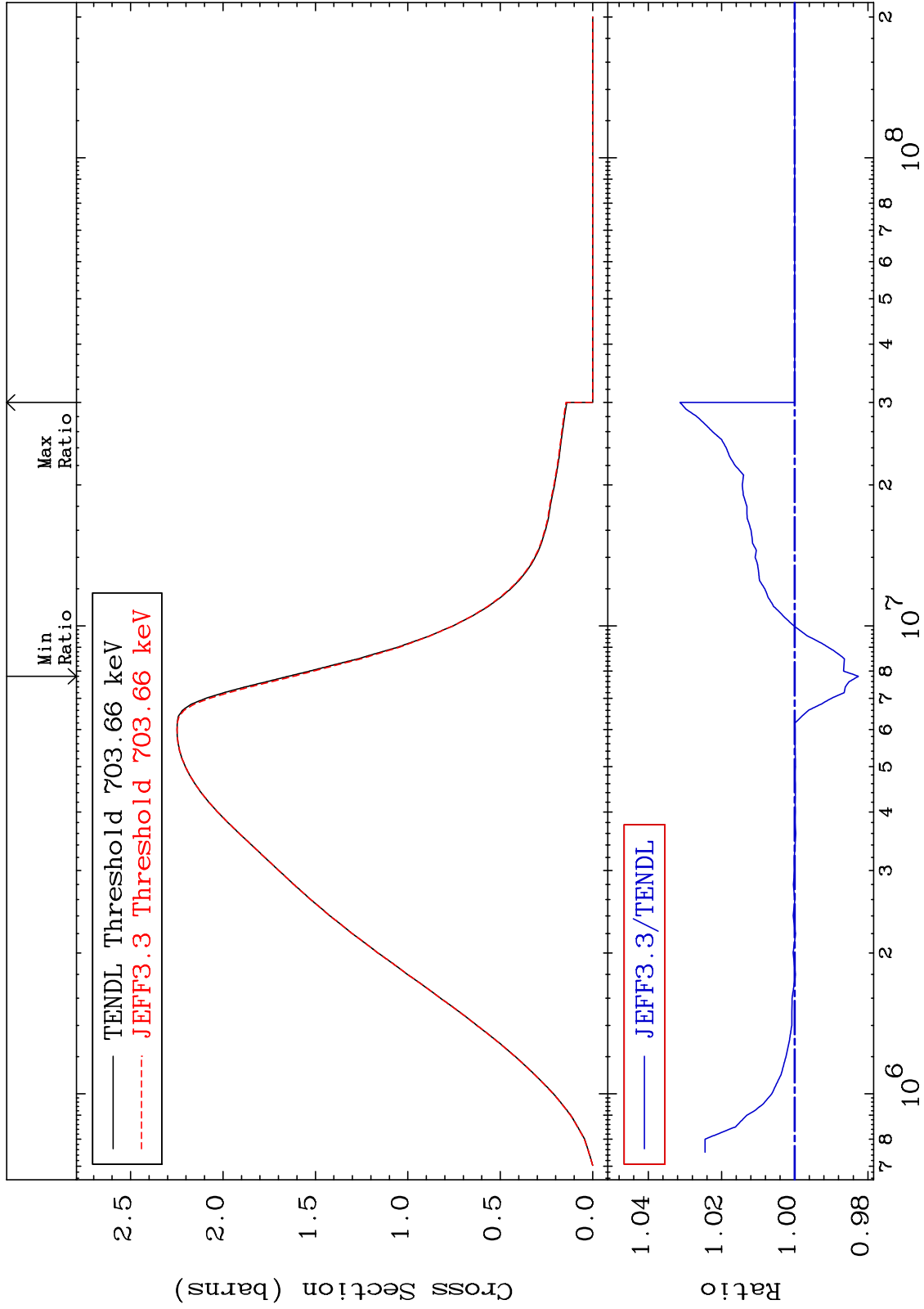
Incident Energy (eV)

78-Pt-193

MAT 7834

(n, n') Continuum
Cross Section

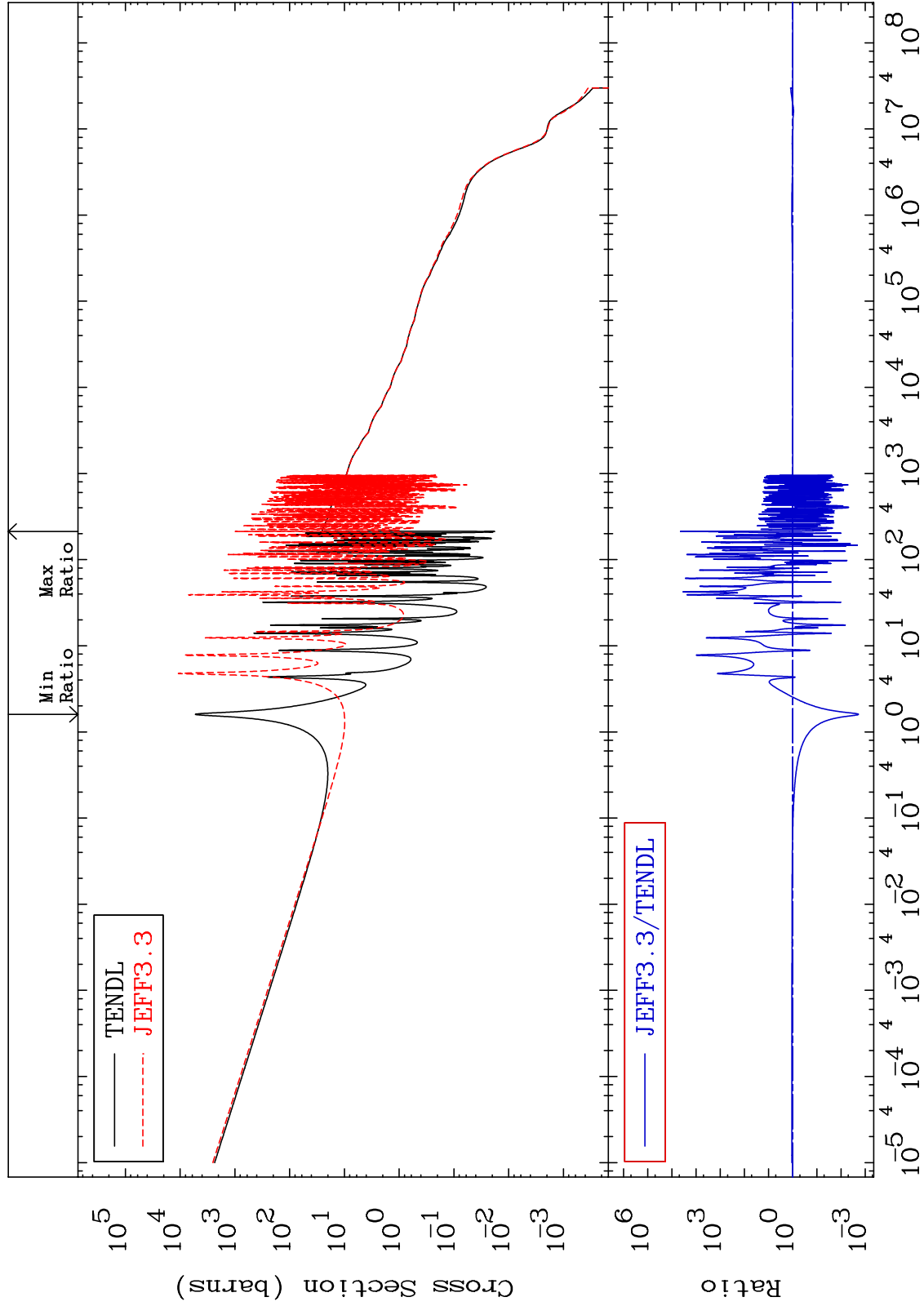
78-Pt-193
-1.741 To 3.135 %



MAT 7834

78-Pt-193
-99.81 To 9999. %

(n, γ)
Cross Section



50

Incident Energy (eV)

78-Pt-193

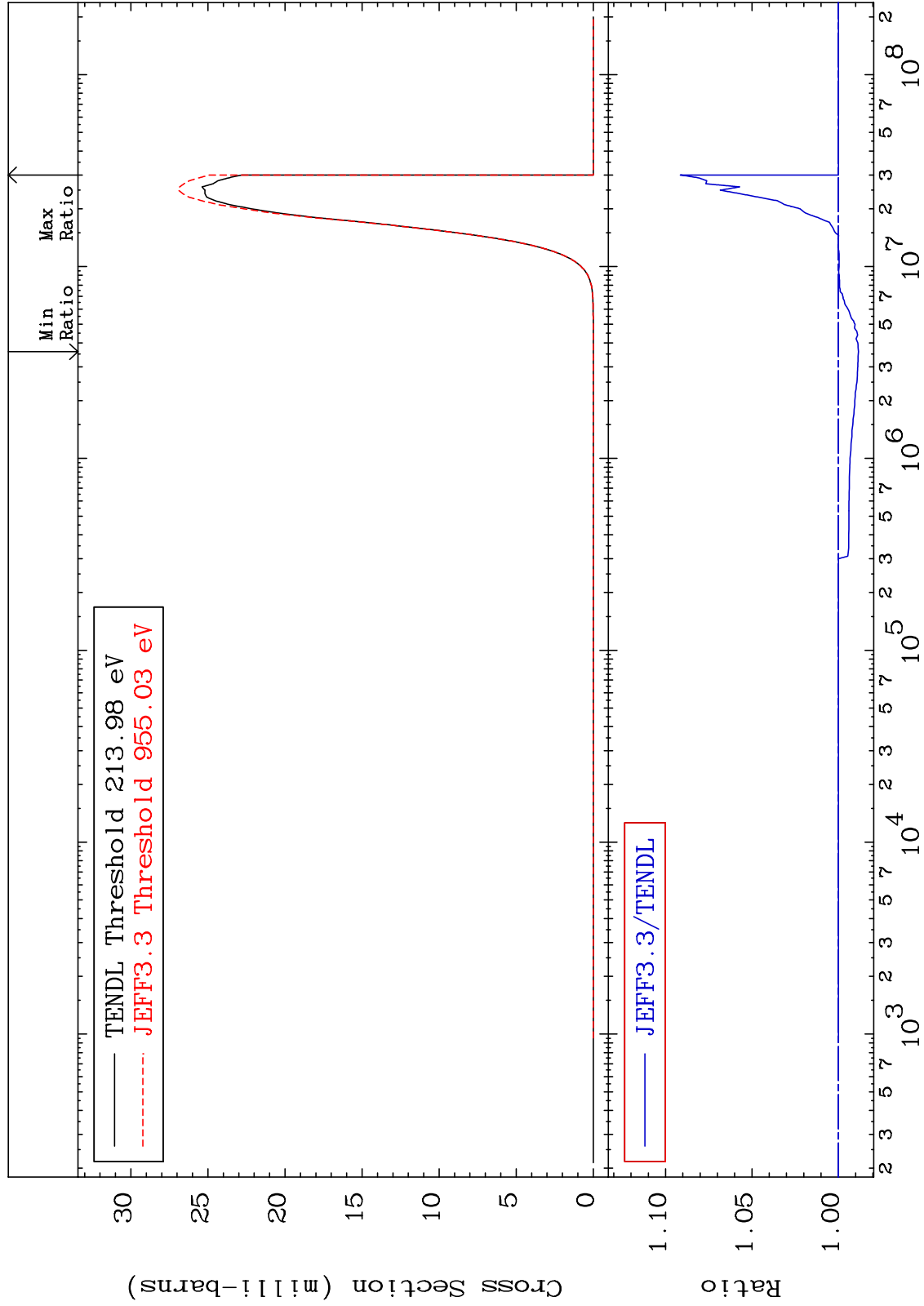
MAT 7834

(n, p)

78-Pt-193

Cross Section

-1.168 To 9.139 %



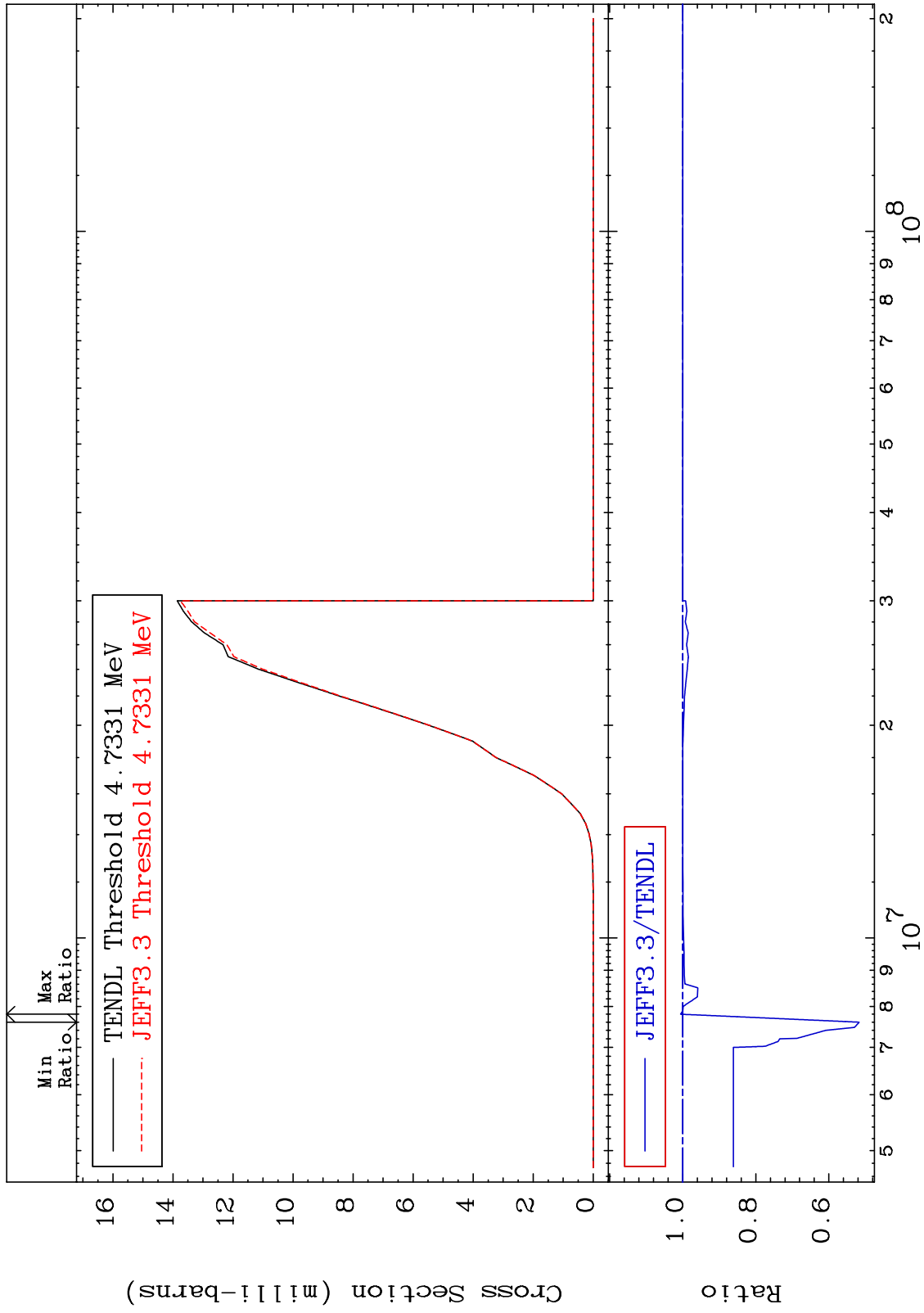
MAT 7834

(n, d)

78-Pt-193

Cross Section

-48.30 To 0.583 %



52

Incident Energy (eV)

78-Pt-193

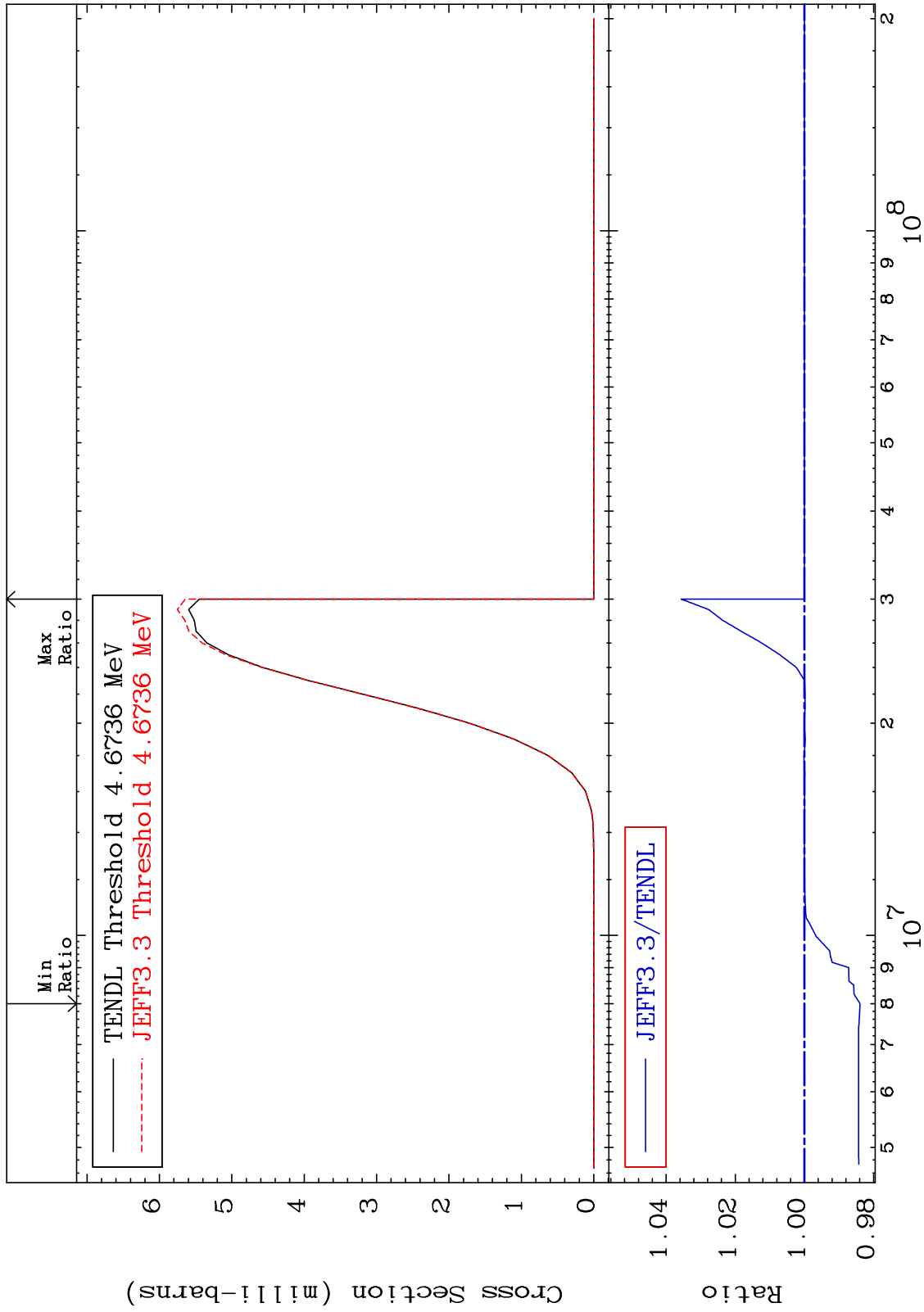
MAT 7834

(n, t)

78-Pt-193

Cross Section

-1.606 To 3.563 %



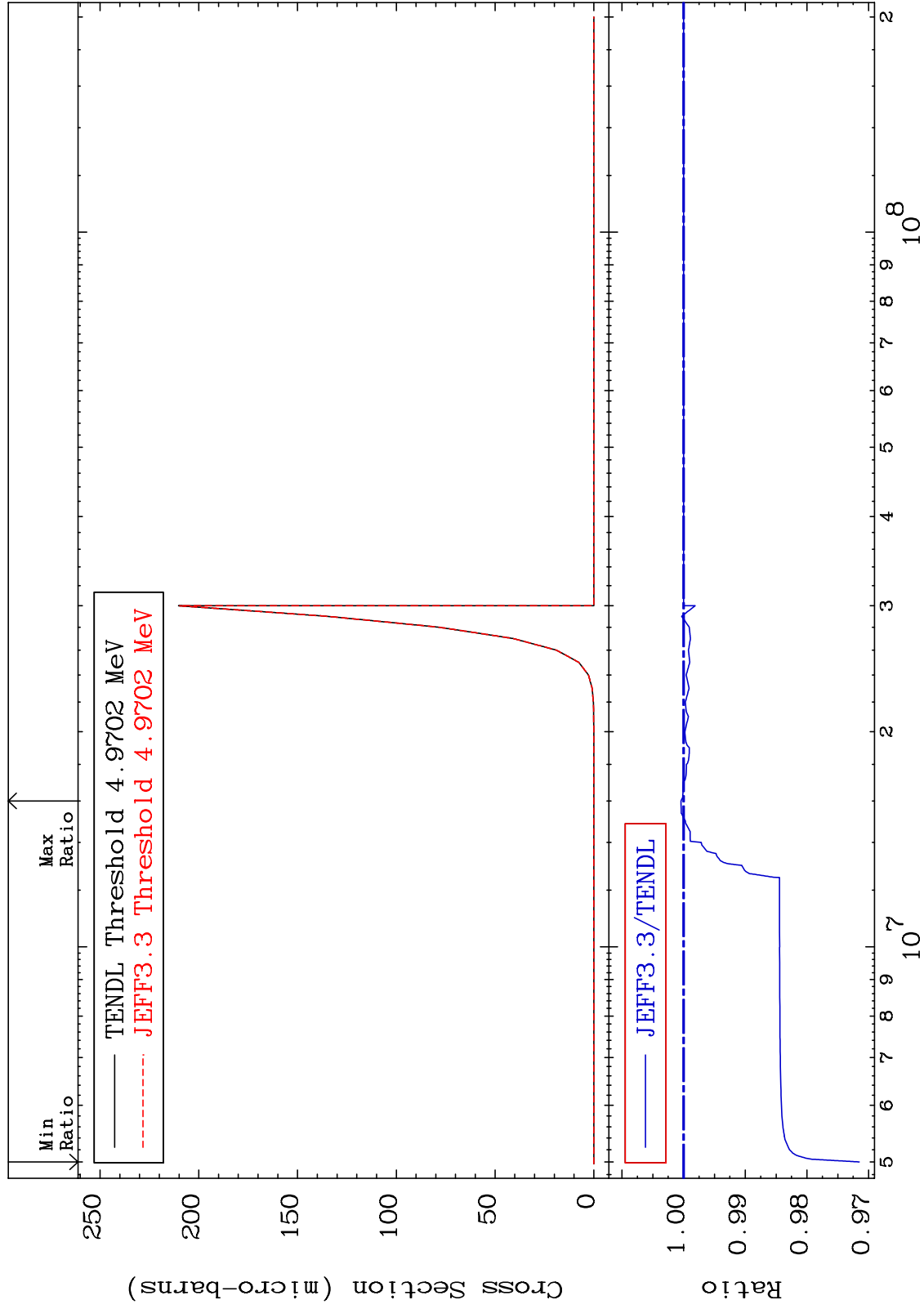
MAT 7834

(n, He-3)

78-Pt-193

Cross Section

-2.848 To 0.042 %



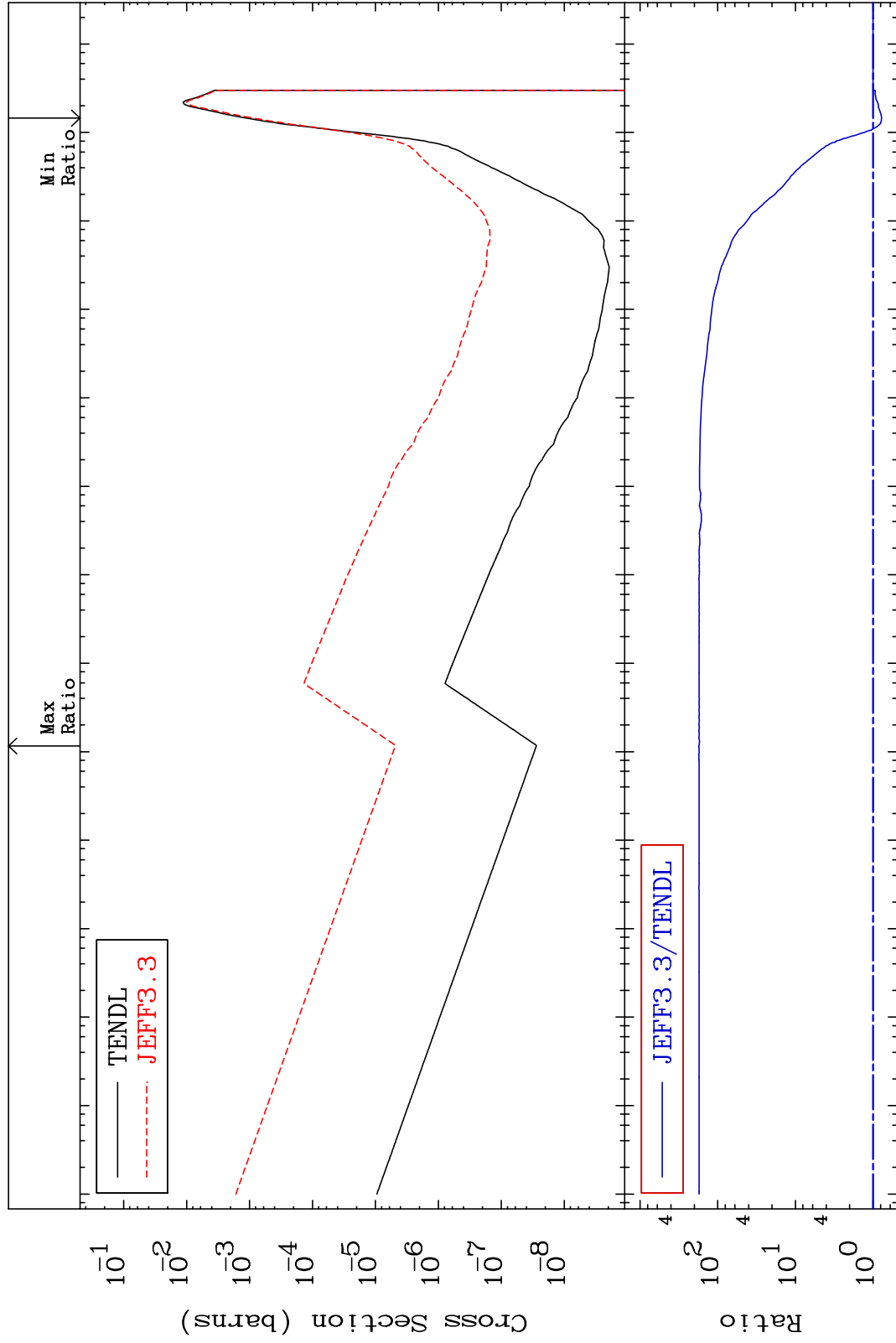
MAT 7834

(n, α)

78-Pt-193

Cross Section

-22.35 To 9999. %



55

Incident Energy (eV)

78-Pt-193

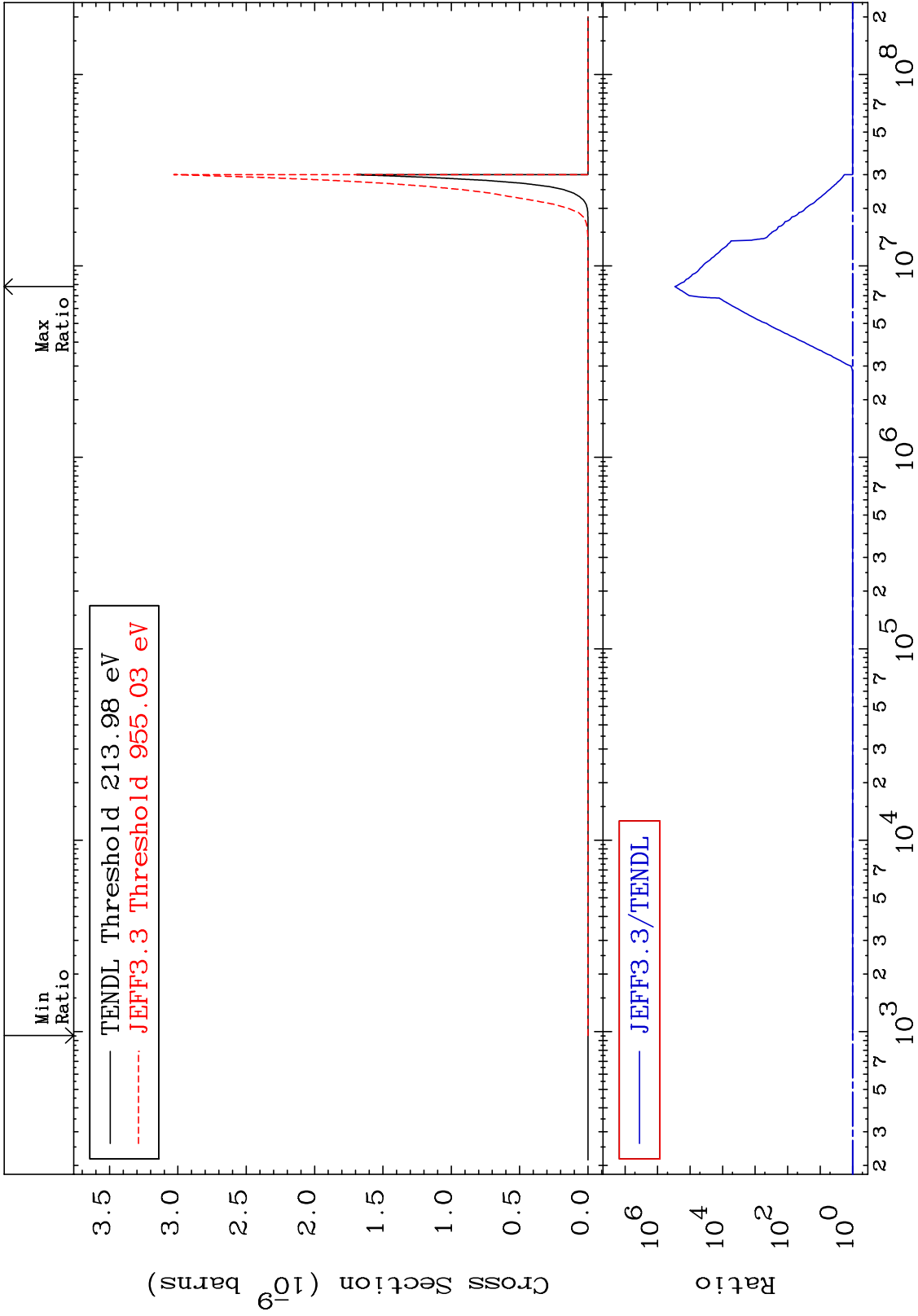
MAT 7834

(n, 2α)

78-Pt-193

Cross Section

0.000 To 9999. %



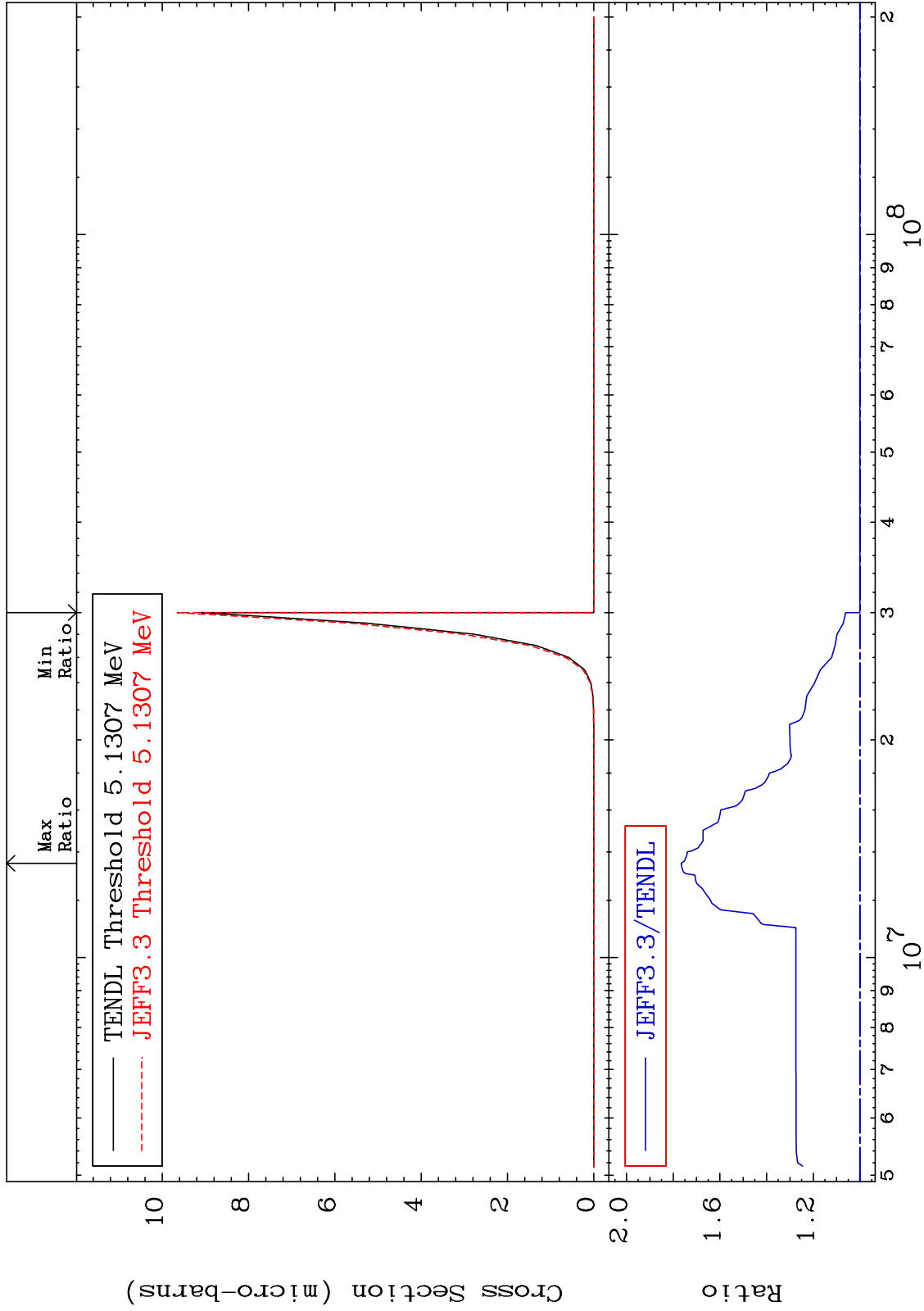
MAT 7834

(n,2p)

78-Pt-193

Cross Section

0.000 To 76.56 %



57

Incident Energy (eV)

78-Pt-193

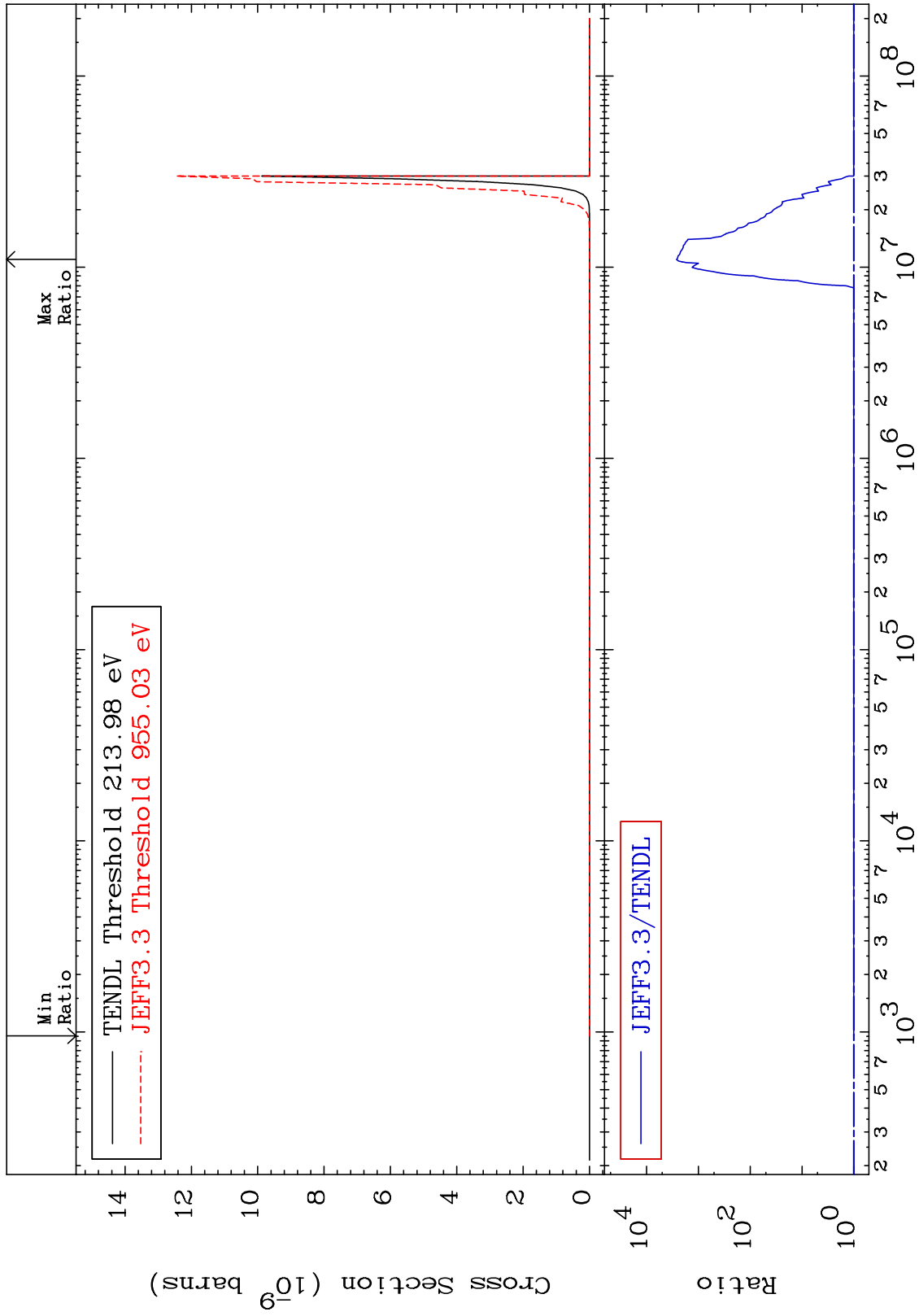
MAT 7834

(n,p) α

78-Pt-193

Cross Section

0.000 To 9999. %



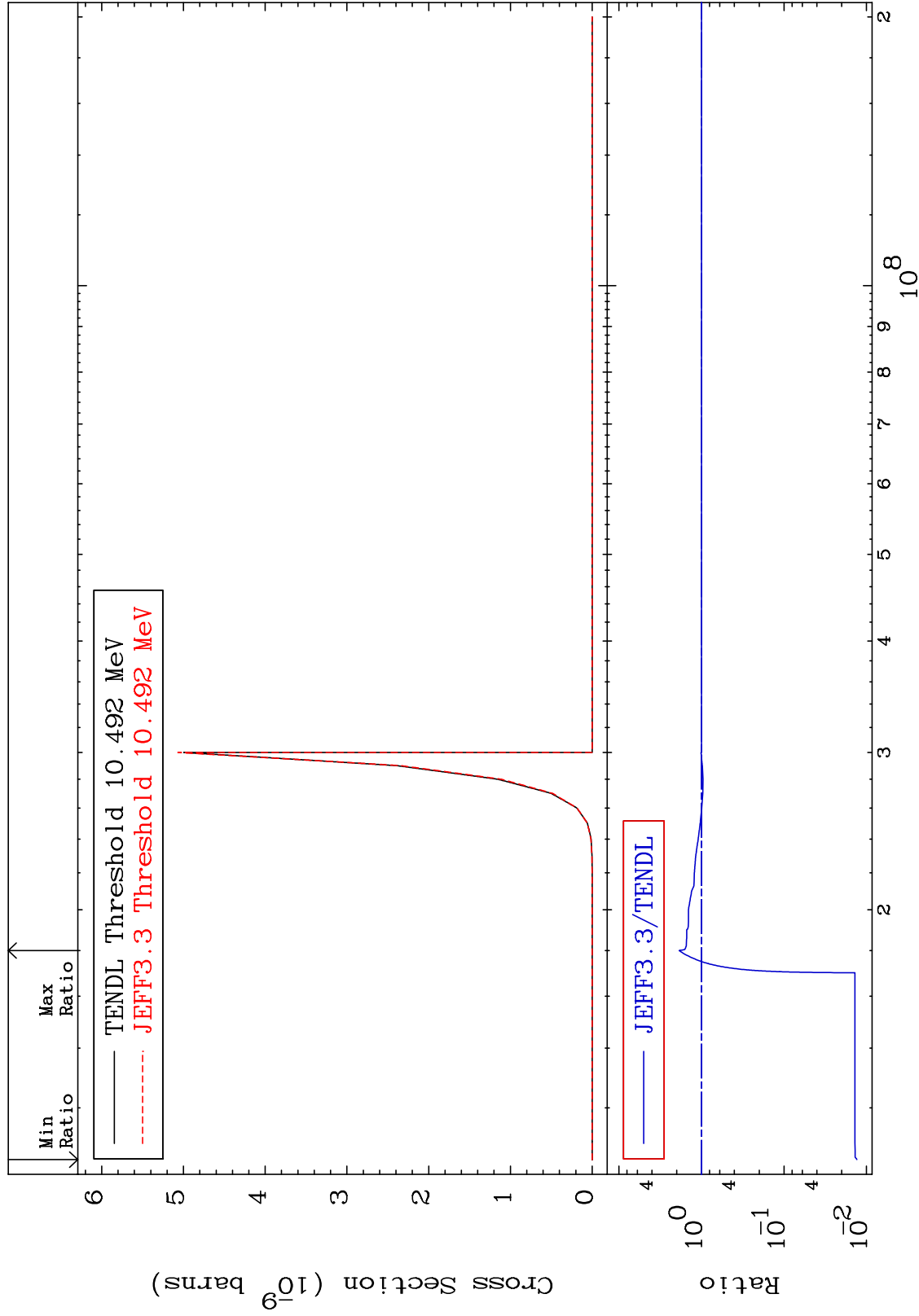
MAT 7834

(n,p) d

78-Pt-193

Cross Section

-98.69 To 86.55 %



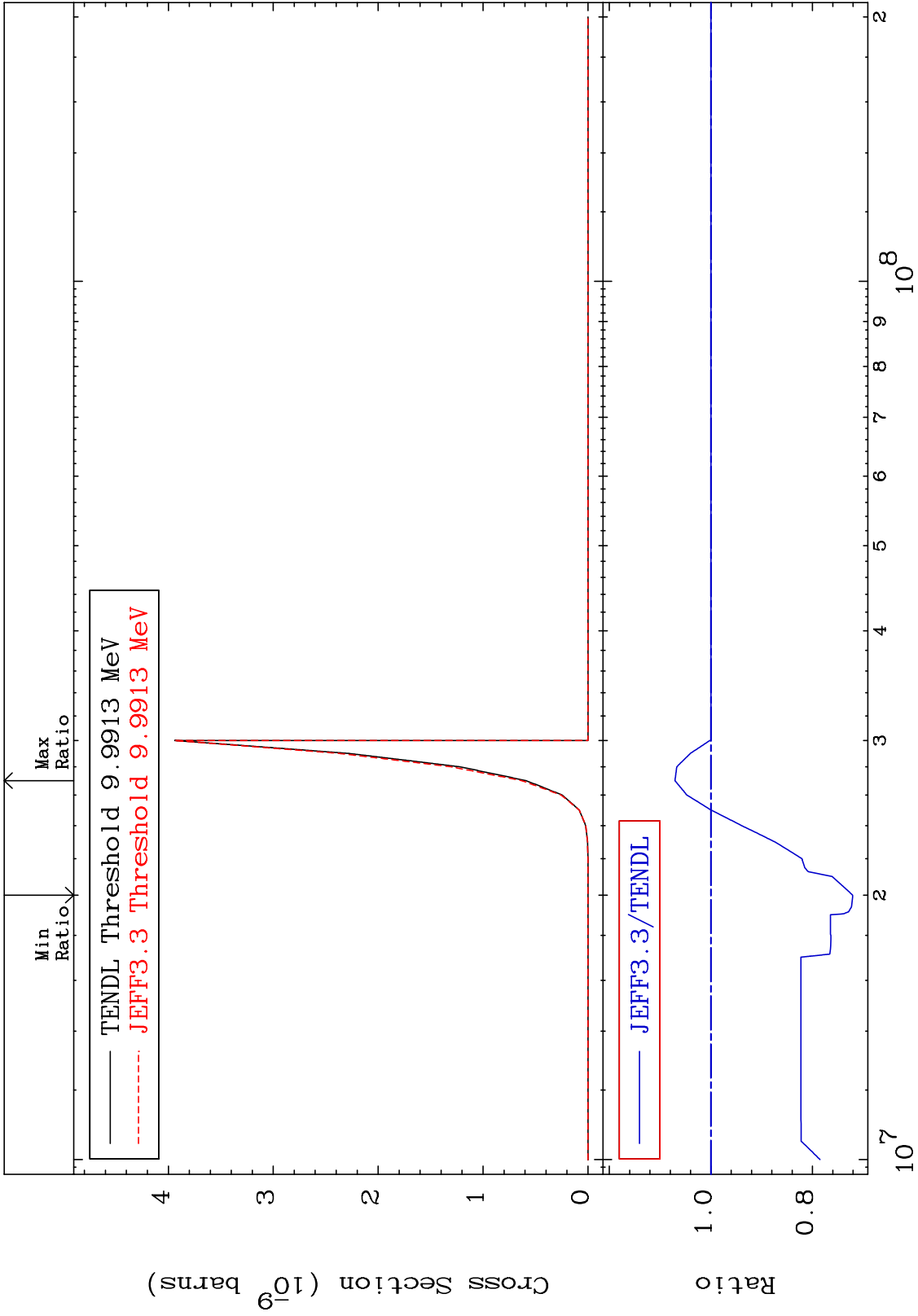
MAT 7834

(n,p) t

78-Pt-193

Cross Section

-27.91 To 7.075 %



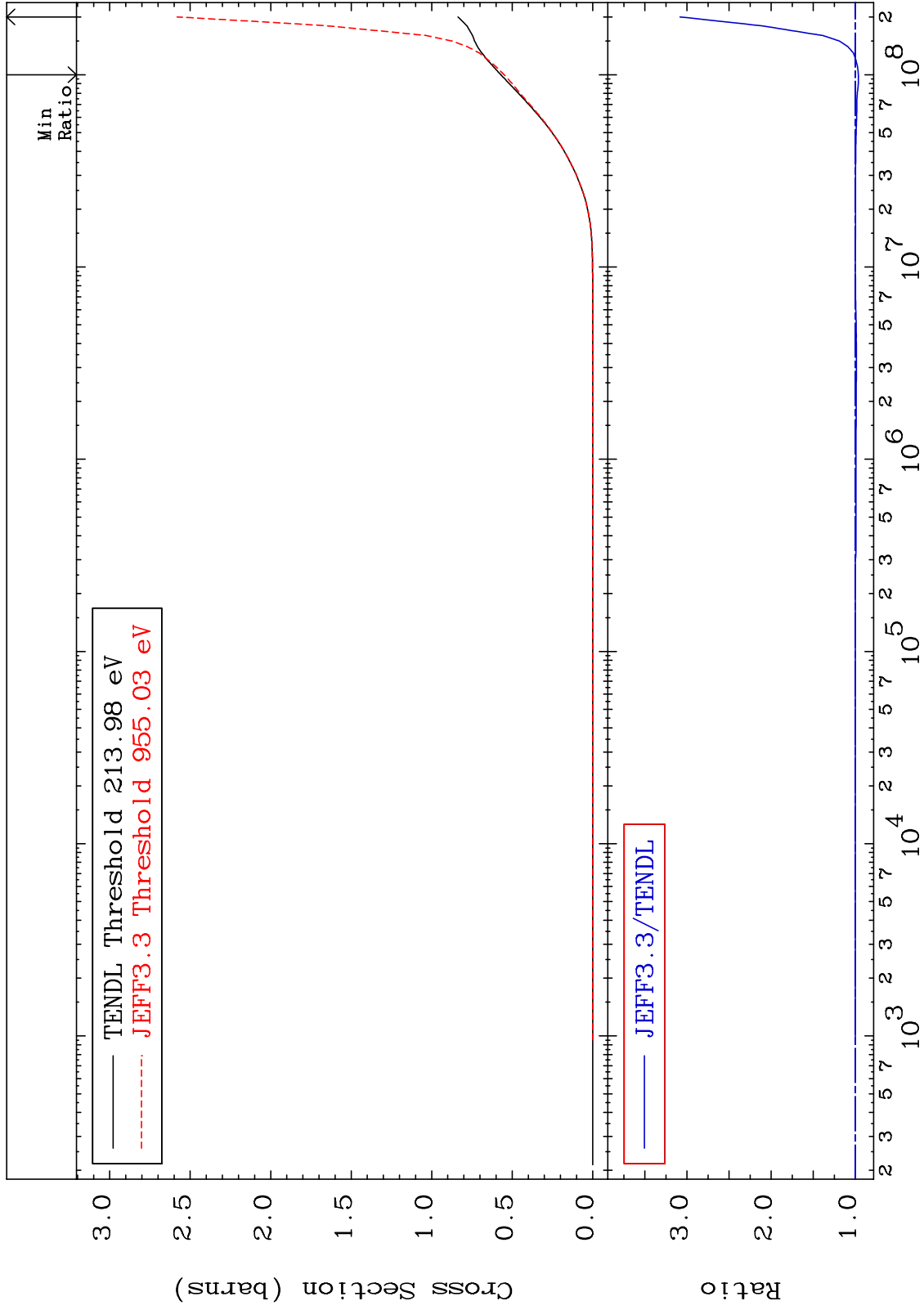
Incident Energy (eV)

78-Pt-193

MAT 7834

Hydrogen Production
Cross Section

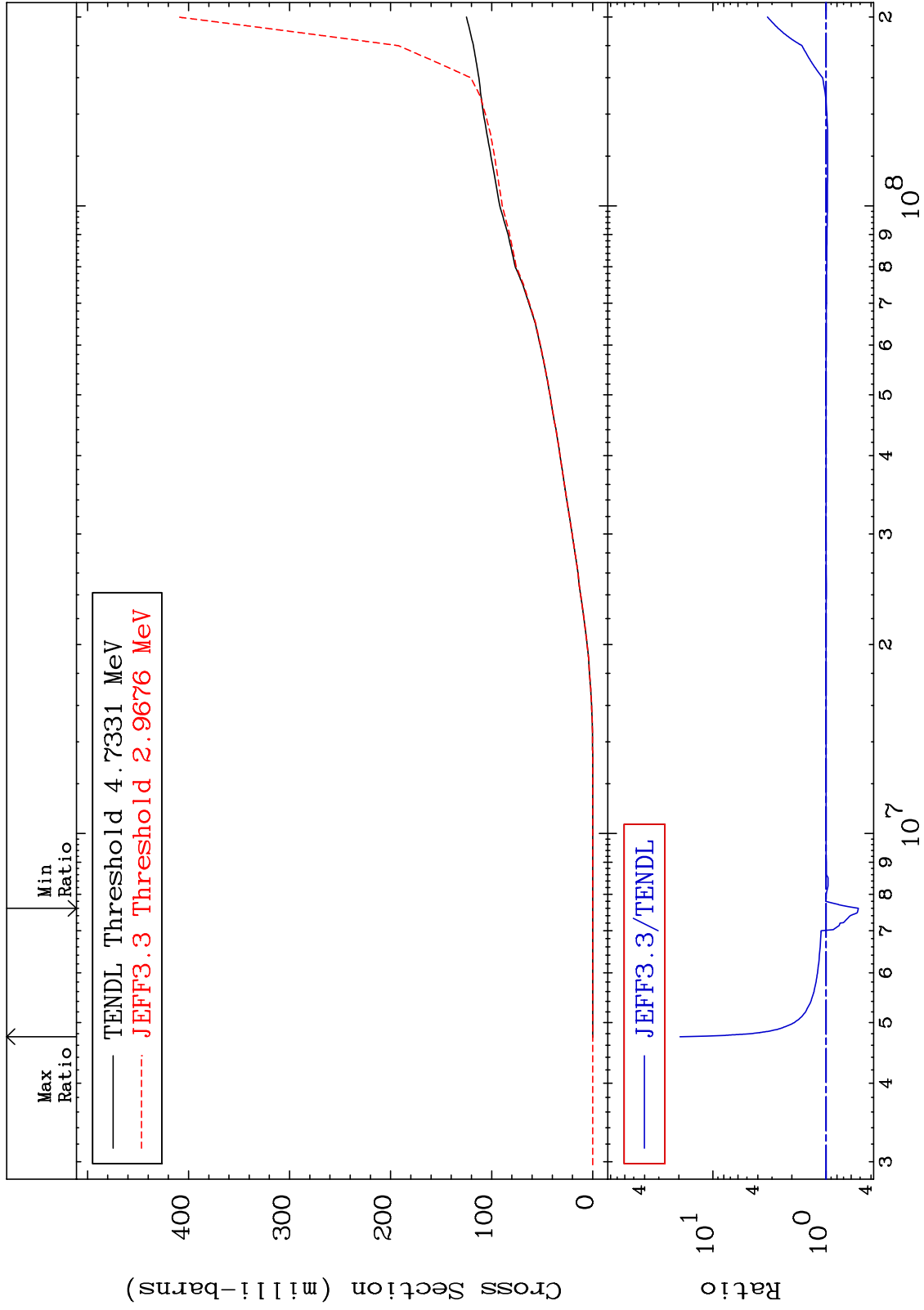
78-Pt-193
-3.607 To 208.3 %



MAT 7834

Deuterium Production
Cross Section

78-Pt-193
-48.29 To 1850. %



62

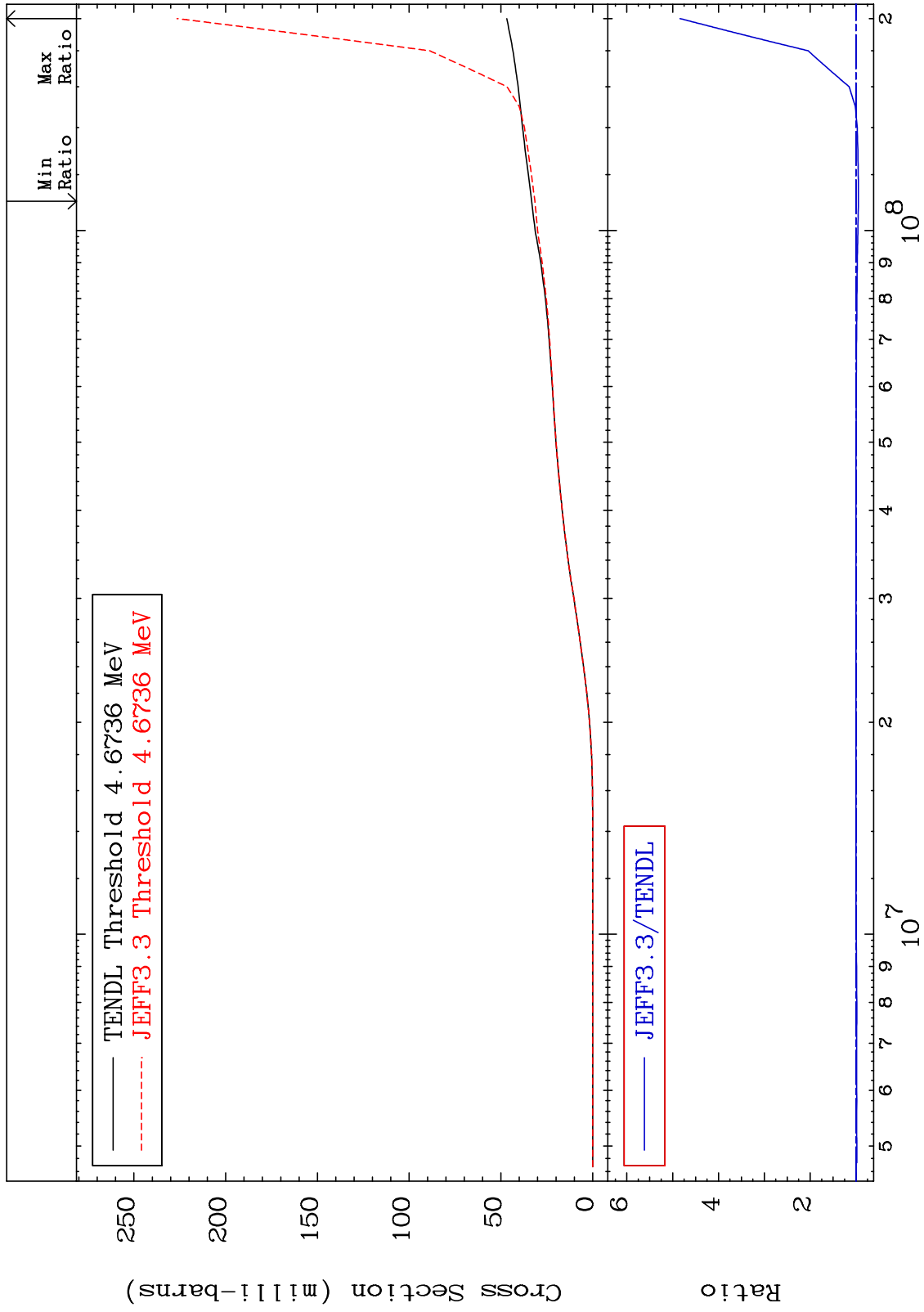
Incident Energy (eV)

78-Pt-193

MAT 7834

Tritium Production
Cross Section

78-Pt-193
-5.240 To 383.9 %



63

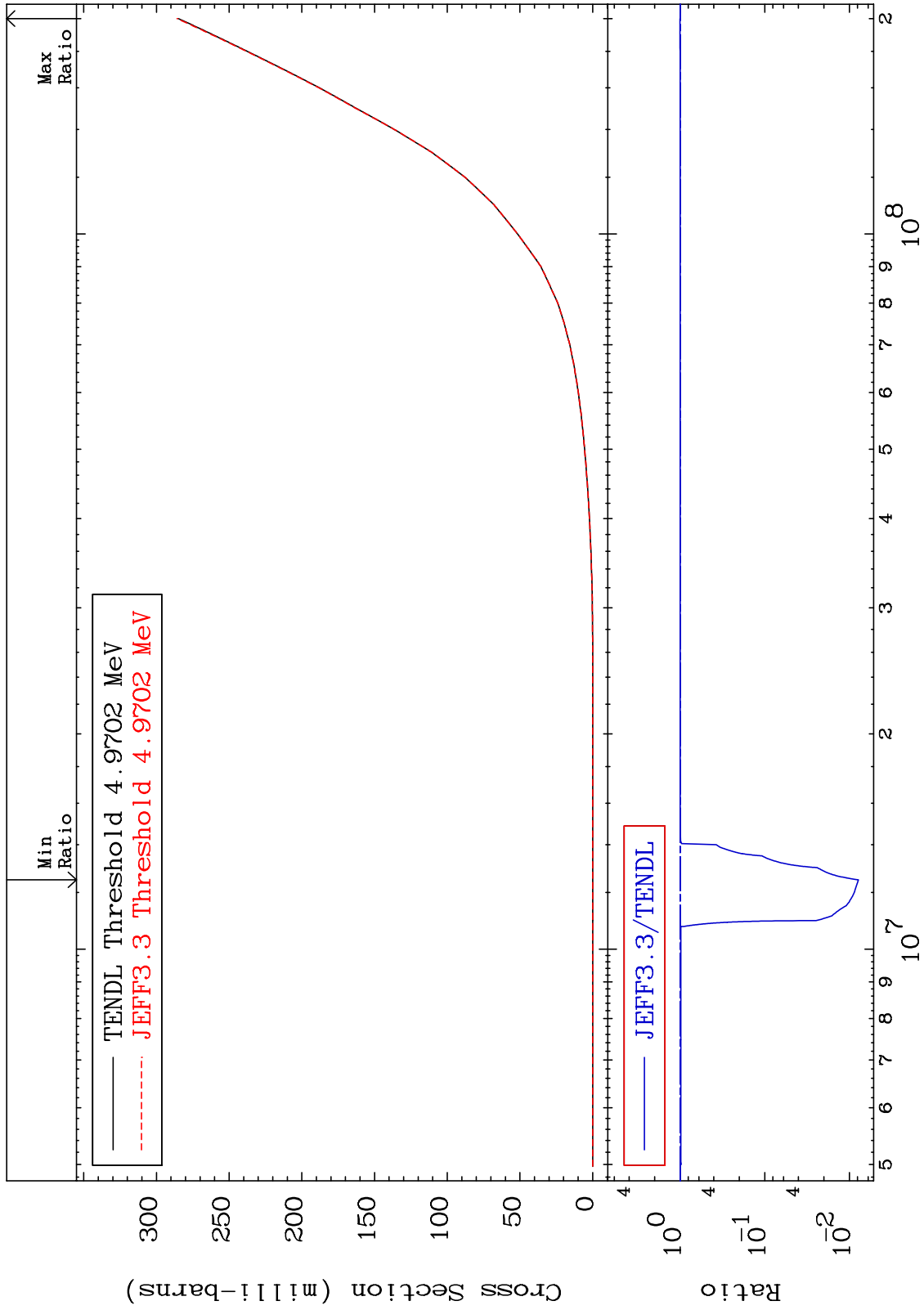
Incident Energy (eV)

78-Pt-193

MAT 7834

He-3 Production
Cross Section

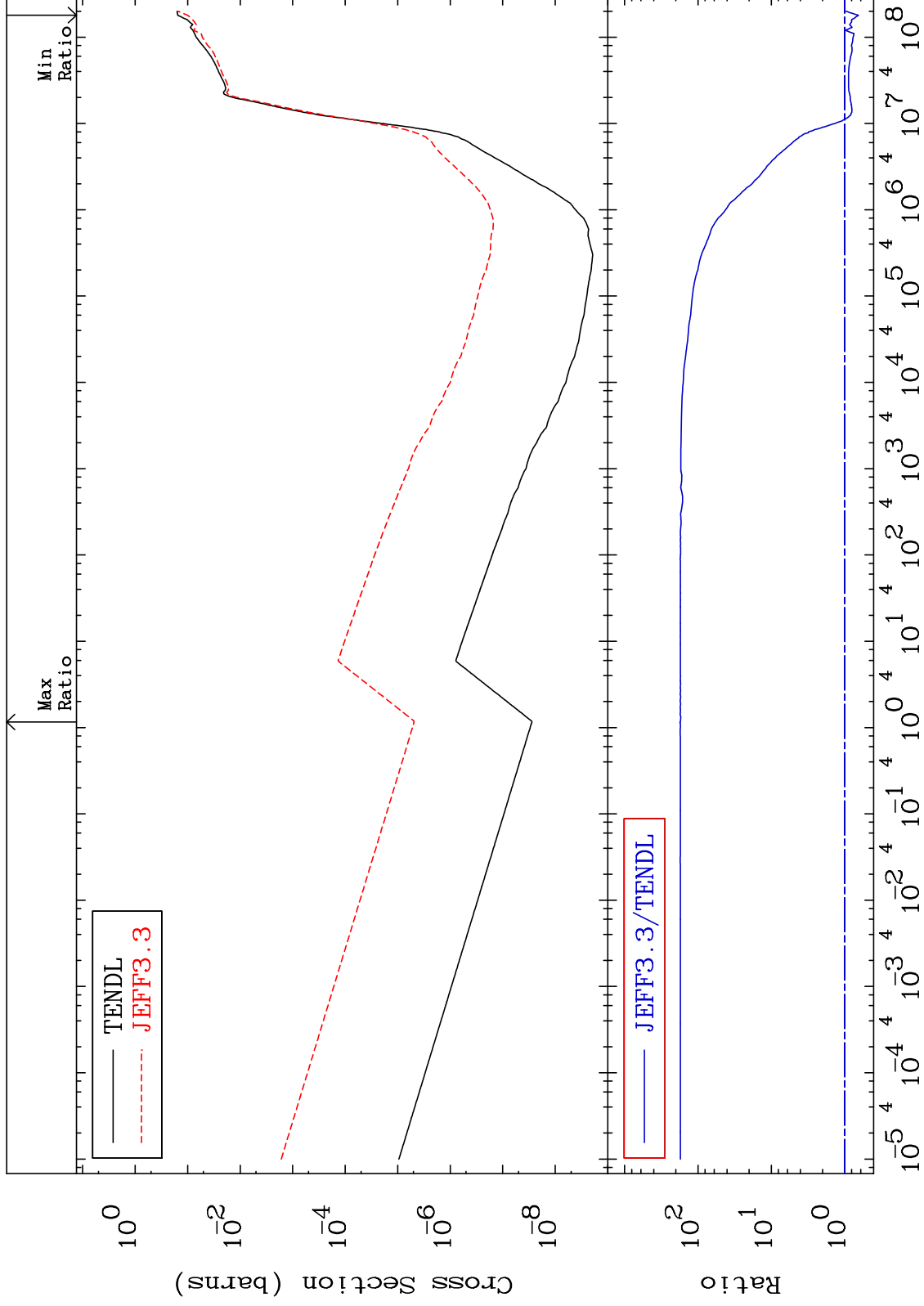
78-Pt-193
-99.22 To 0.337 %



MAT 7834

He-4 Production
Cross Section

78-Pt-193
-35.25 To 9999. %



65

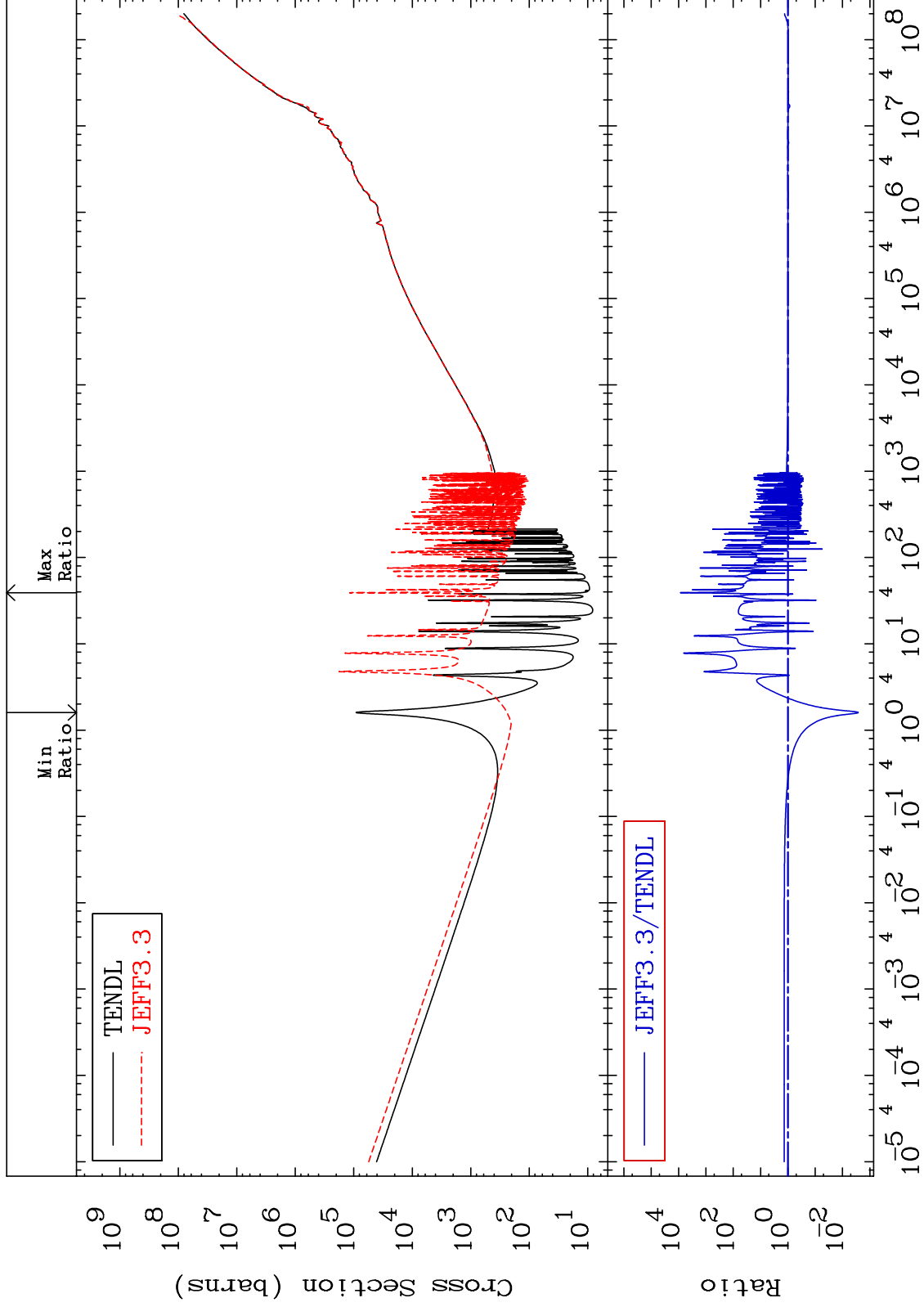
Incident Energy (eV)

78-Pt-193

MAT 7834

Kerma total (eV-barns)
Cross Section

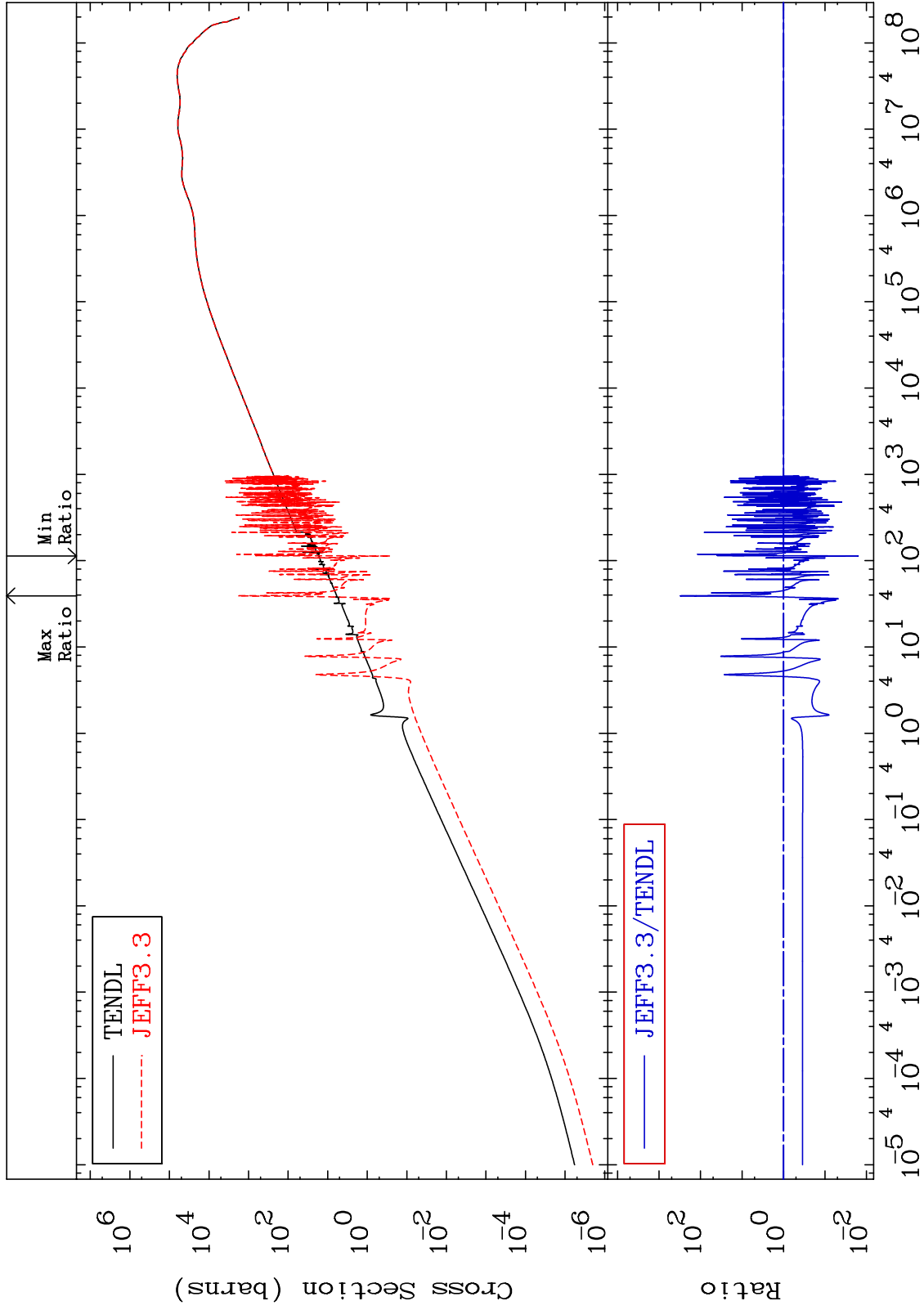
78-Pt-193
-99.74 To 9999. %



MAT 7834

Kerma elastic
Cross Section

78-Pt-193
-98.43 To 9999. %



67

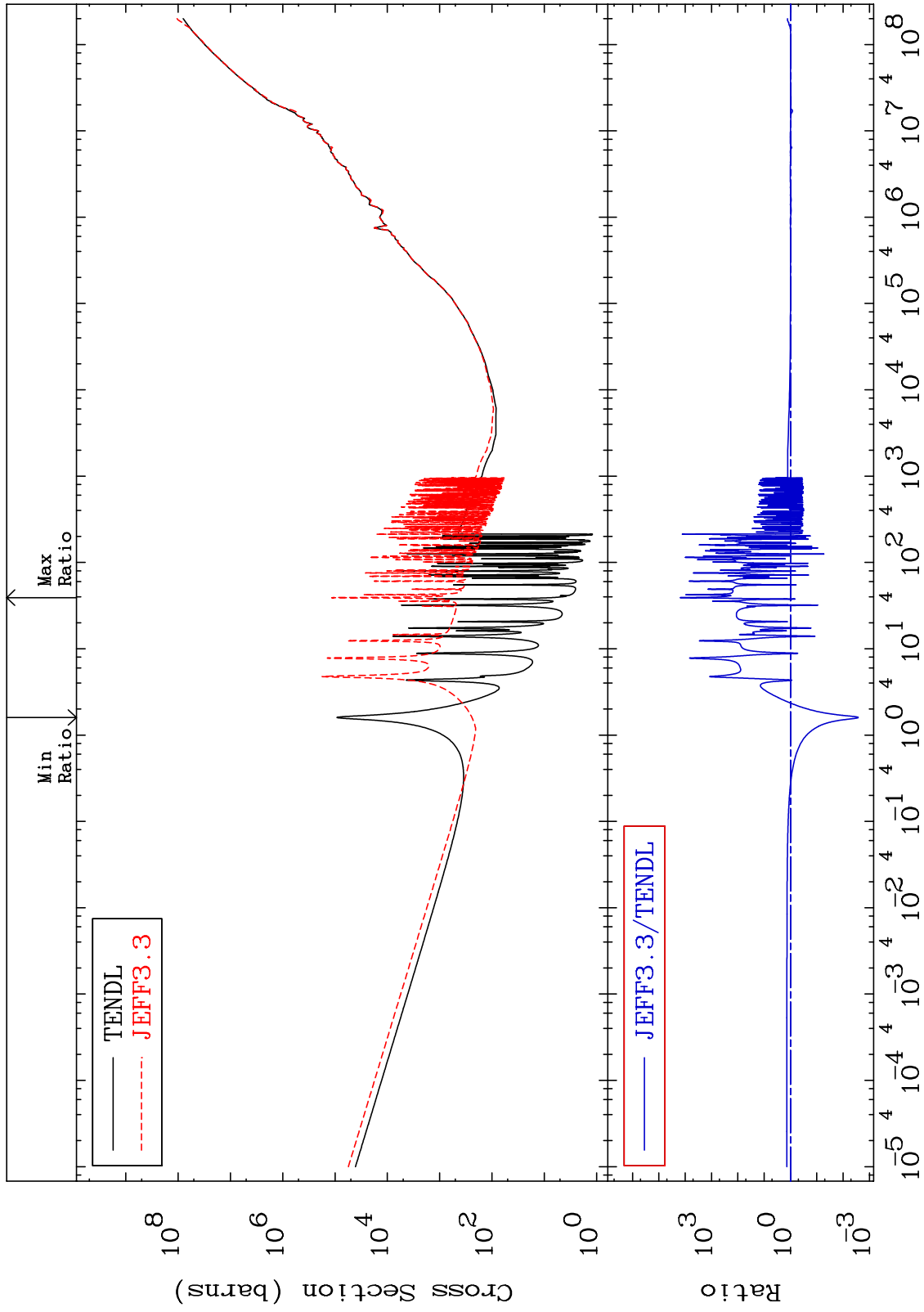
Incident Energy (eV)

78-Pt-193

MAT 7834

Kerma non-elastic (all but mt2)
Cross Section

78-Pt-193
-99.74 To 9999. %



68

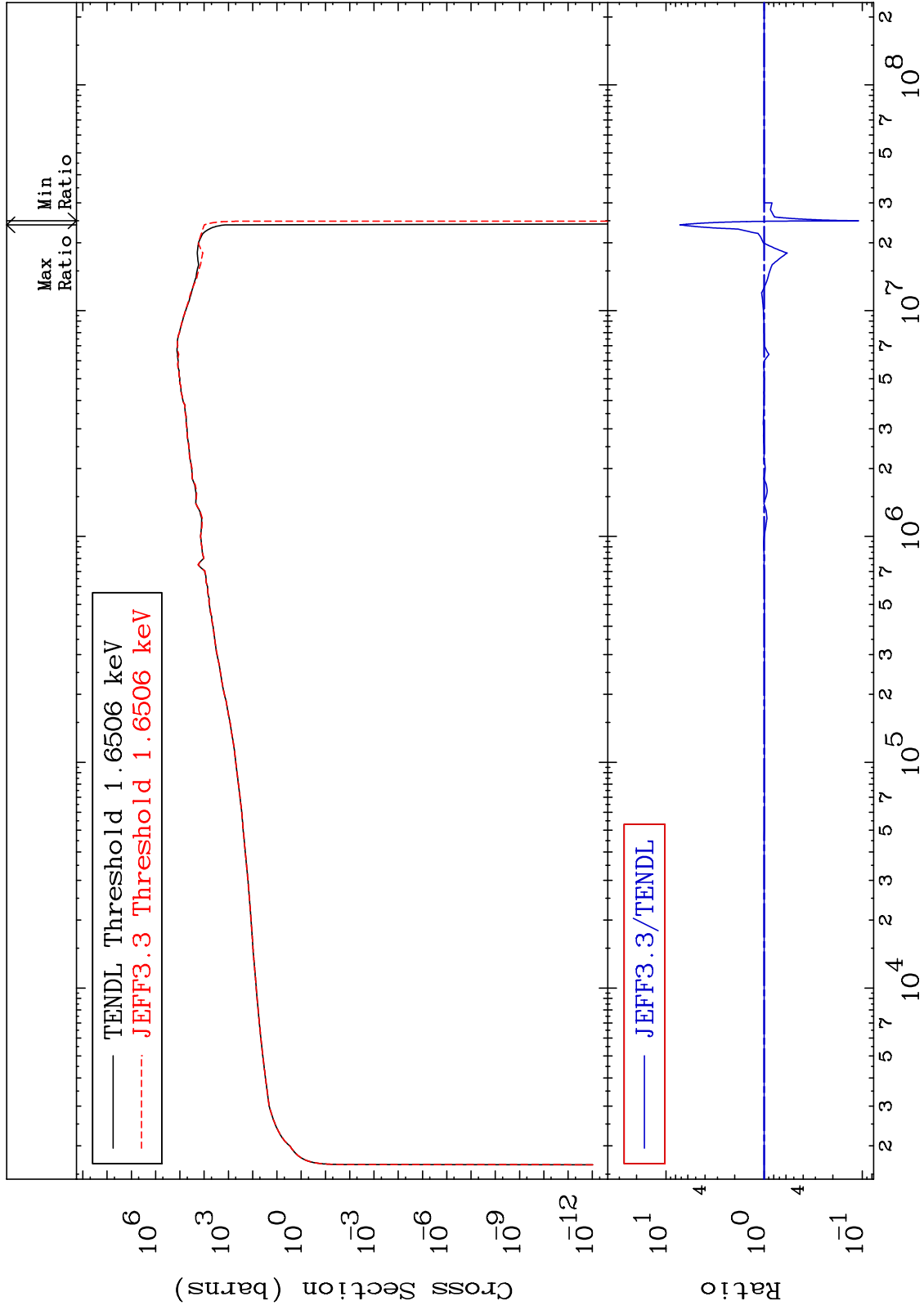
Incident Energy (eV)

78-Pt-193

MAT 7834

Kerma inelastic (mt51-91)
Cross Section

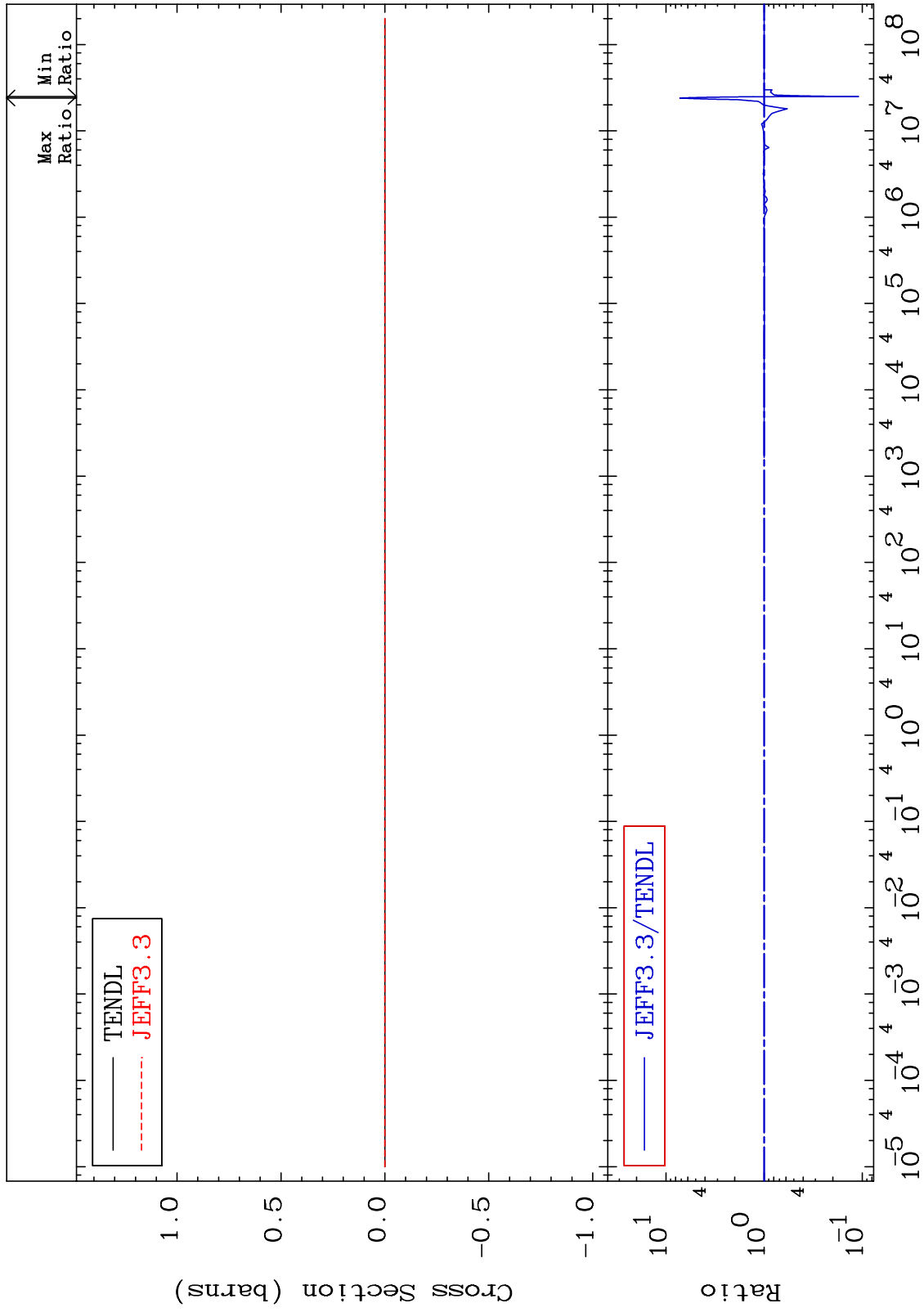
78-Pt-193
-89.04 To 620.8 %



MAT 7834

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

78-Pt-193
-89.04 To 620.8 %



70

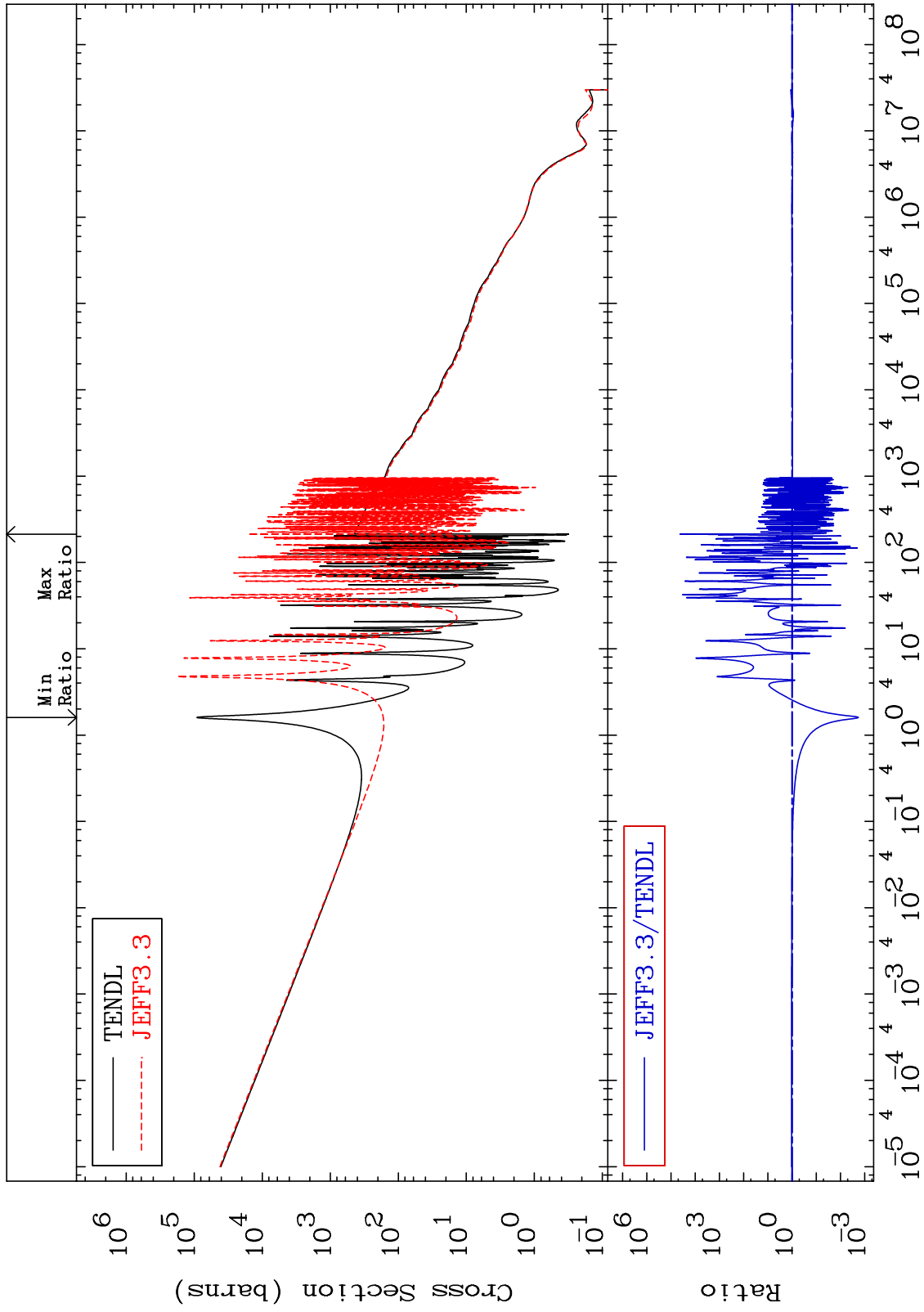
Incident Energy (eV)

78-Pt-193

MAT 7834

Kerma capture (mt102)
Cross Section

78-Pt-193
-99.82 To 9999. %



71

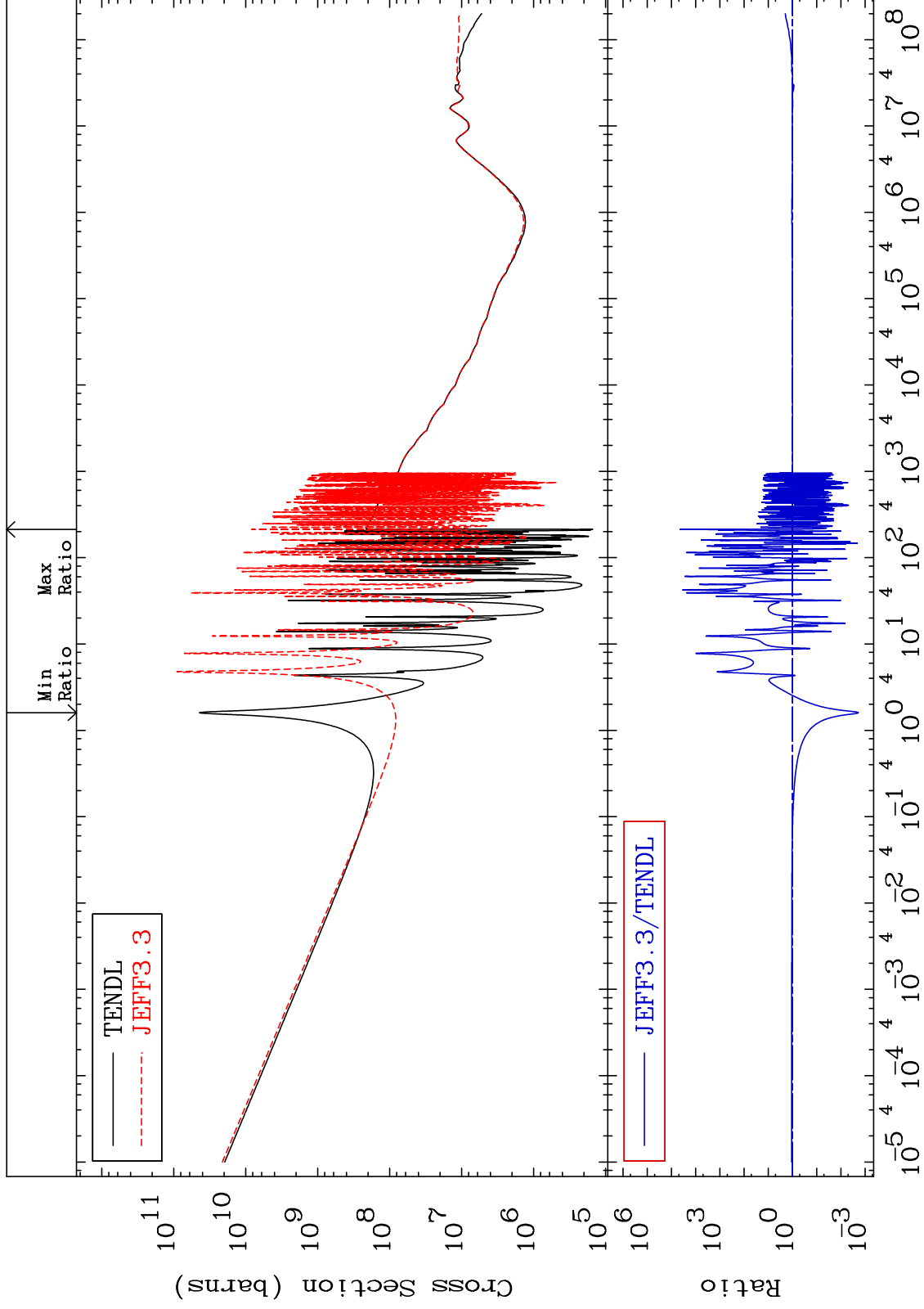
Incident Energy (eV)

78-Pt-193

MAT 7834

Total photon (eV-barns)
Cross Section

78-Pt-193
-99.81 To 9999. %



72

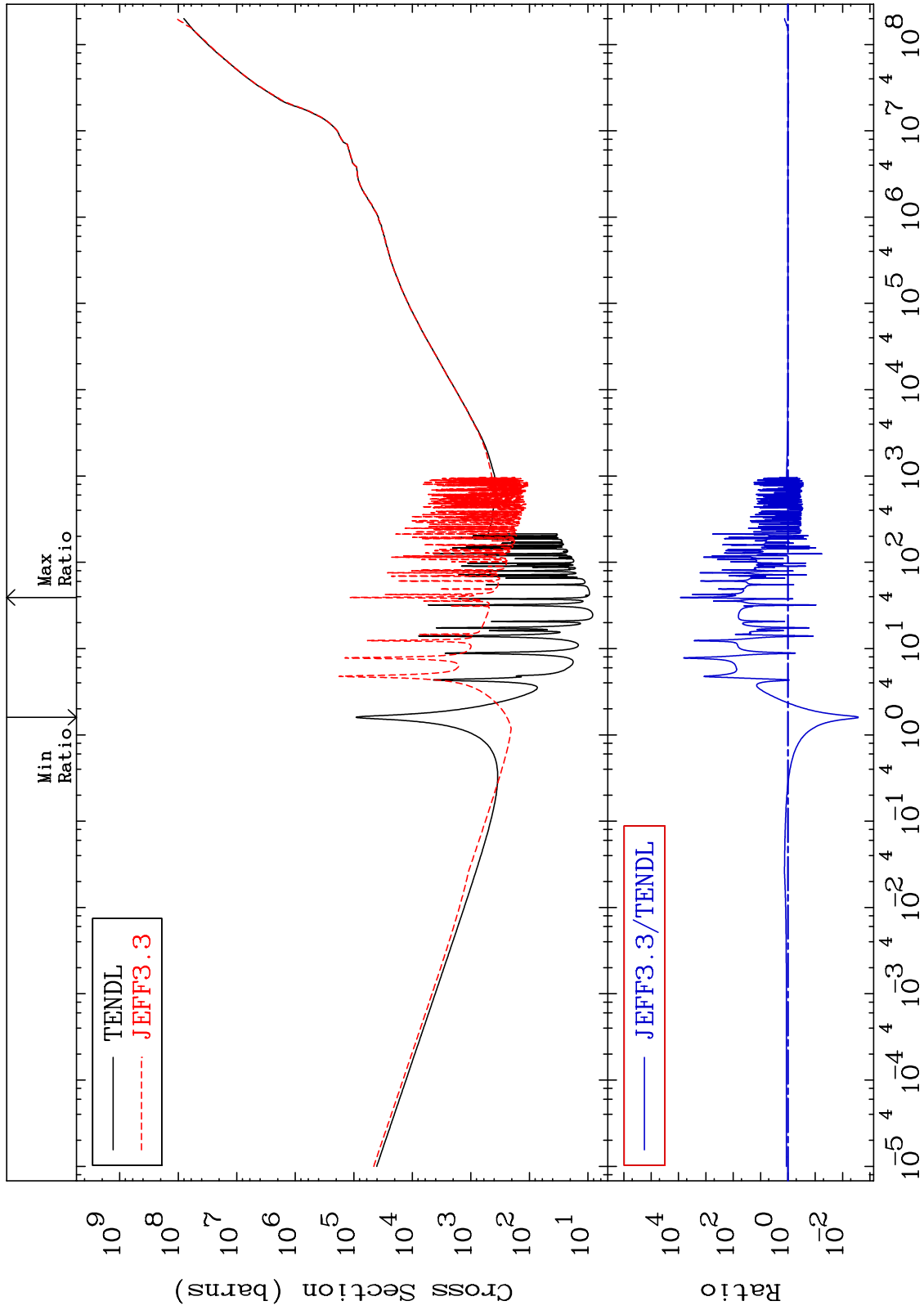
Incident Energy (eV)

78-Pt-193

MAT 7834

Total kinematic kerma (high limit)
Cross Section

78-Pt-193
-99.74 To 9999. %



73

Incident Energy (eV)

78-Pt-193

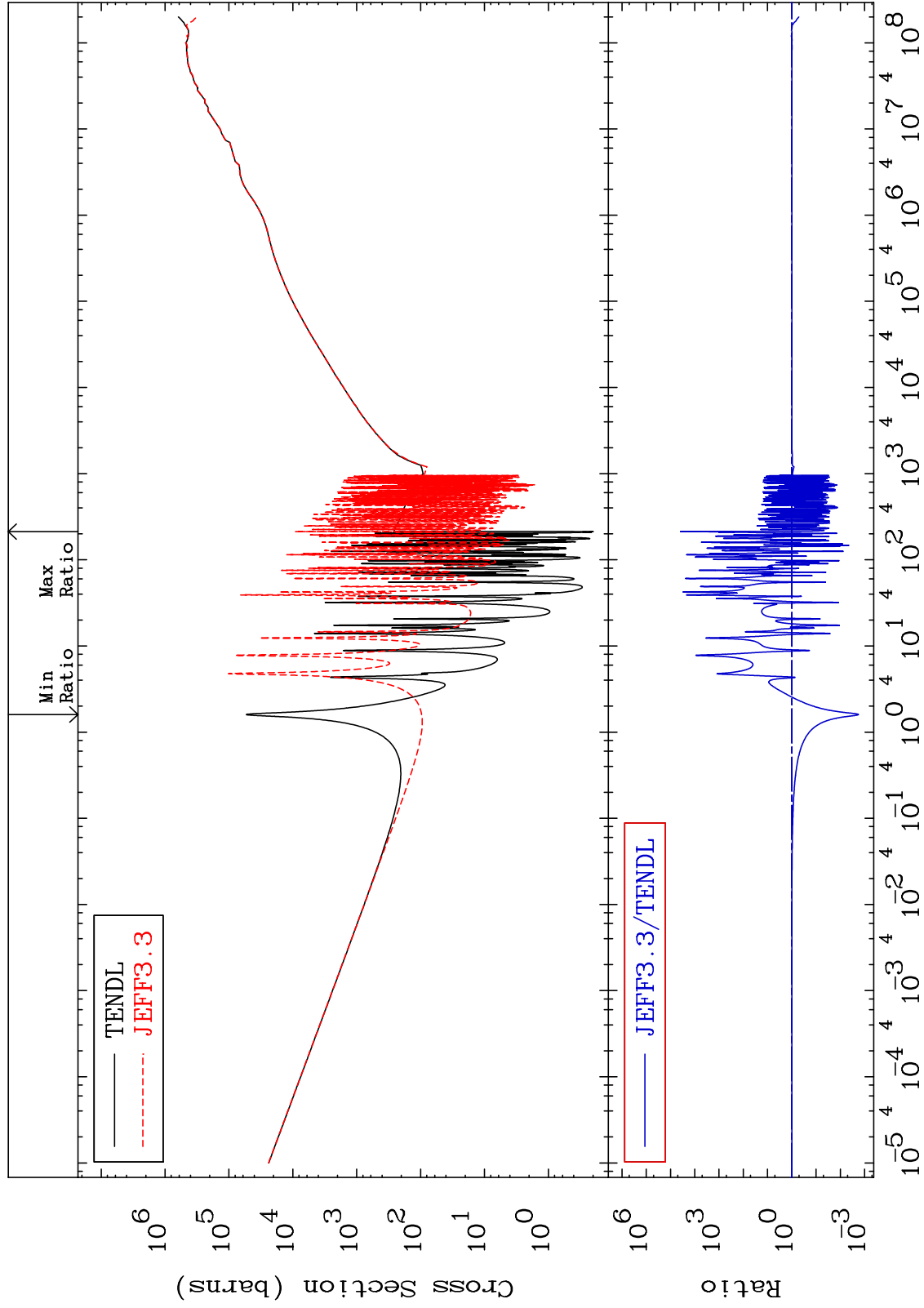
MAT 7834

Dpa total (eV-barns)

78-Pt-193

-99.82 To 9999. %

Cross Section



74

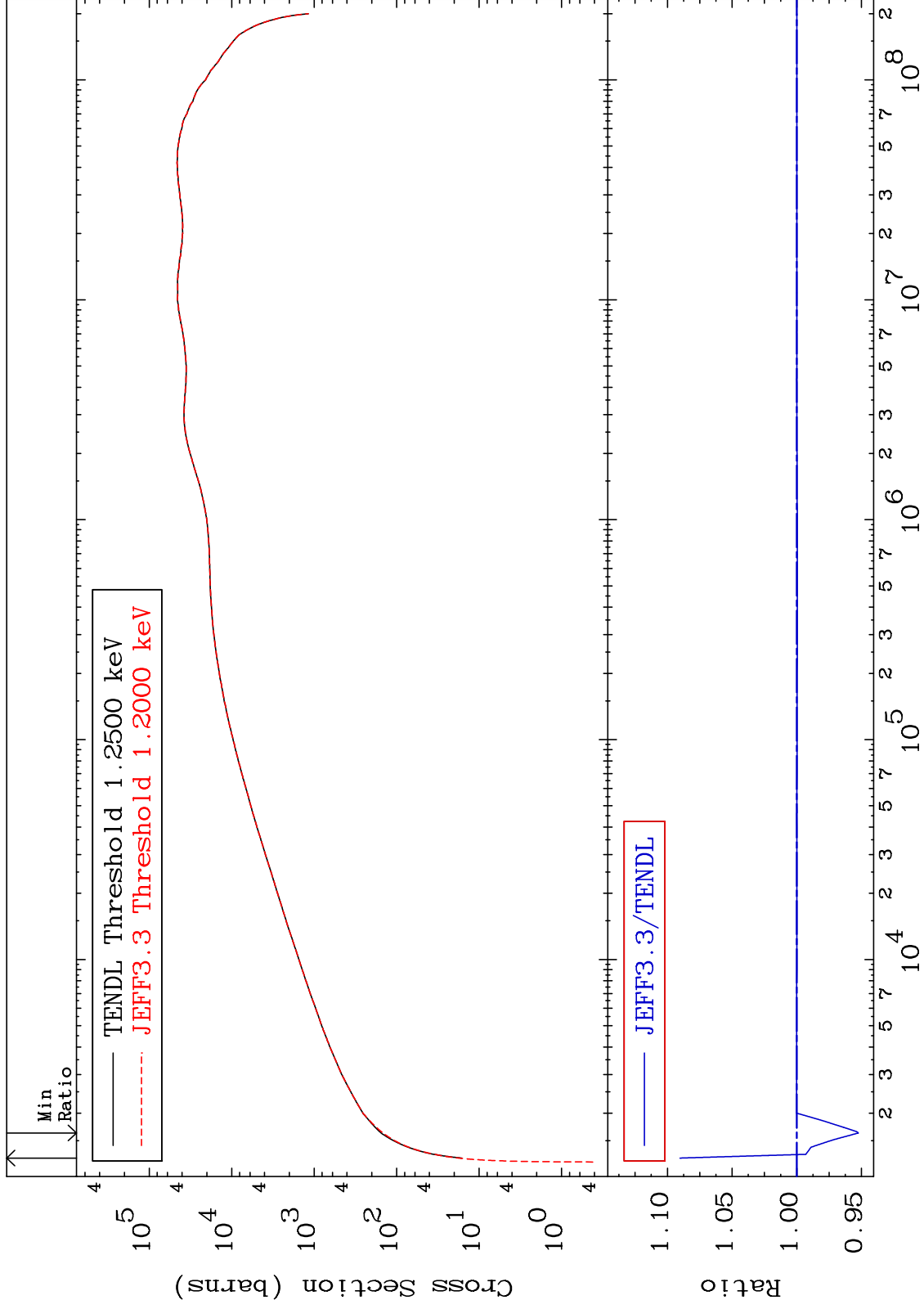
Incident Energy (eV)

78-Pt-193

MAT 7834

Dpa elastic (mt2)
Cross Section

78-Pt-193
-4.761 To 9.027 %



75

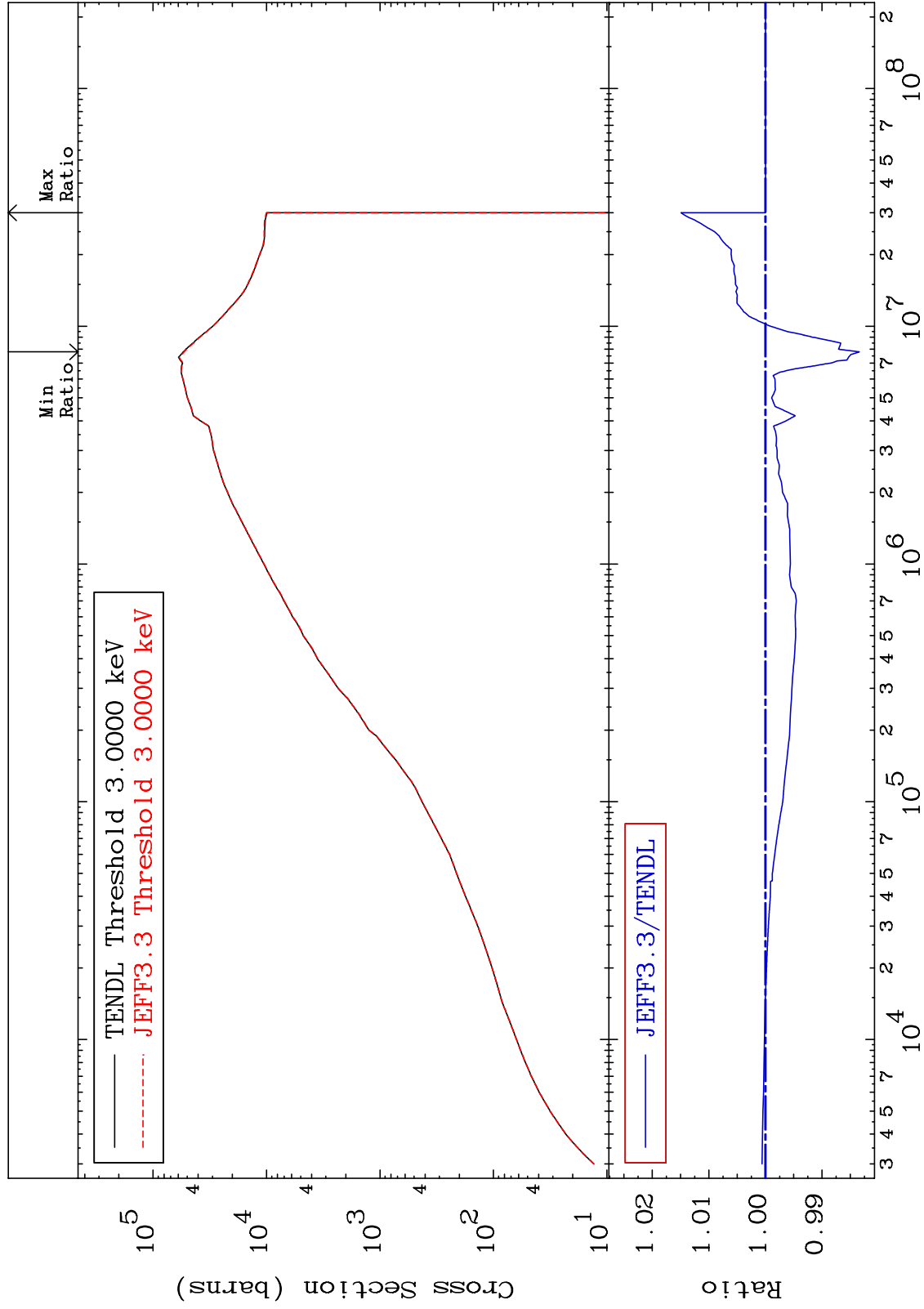
Incident Energy (eV)

78-Pt-193

MAT 7834

Dpa inelastic (mt51-91)
Cross Section

78-Pt-193
-1.658 To 1.491 %



76

Incident Energy (eV)

78-Pt-193

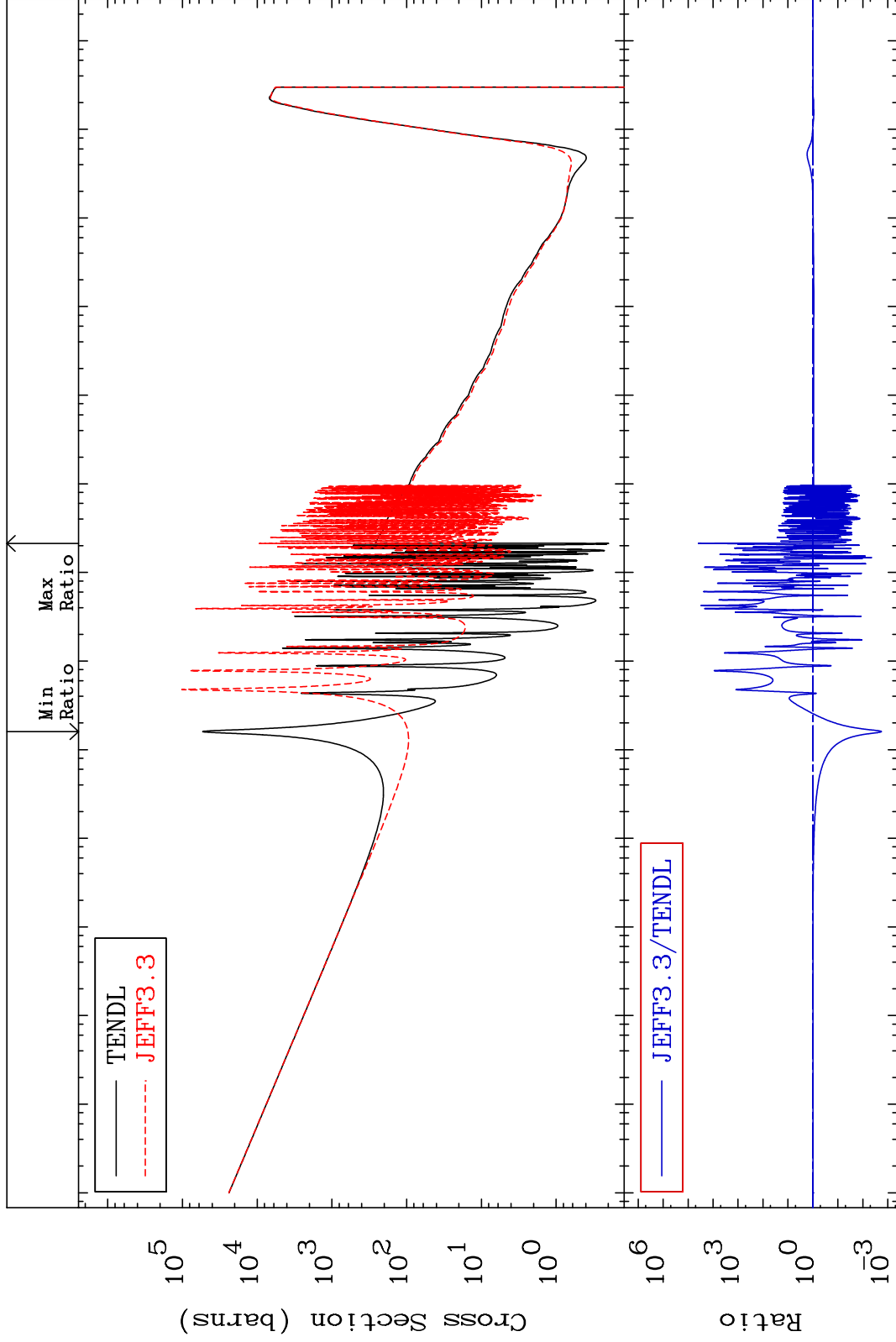
MAT 7834

Dpa disappearance (mt102 -120)

78-Pt-193

-99.82 To 9999. %

Cross Section



77

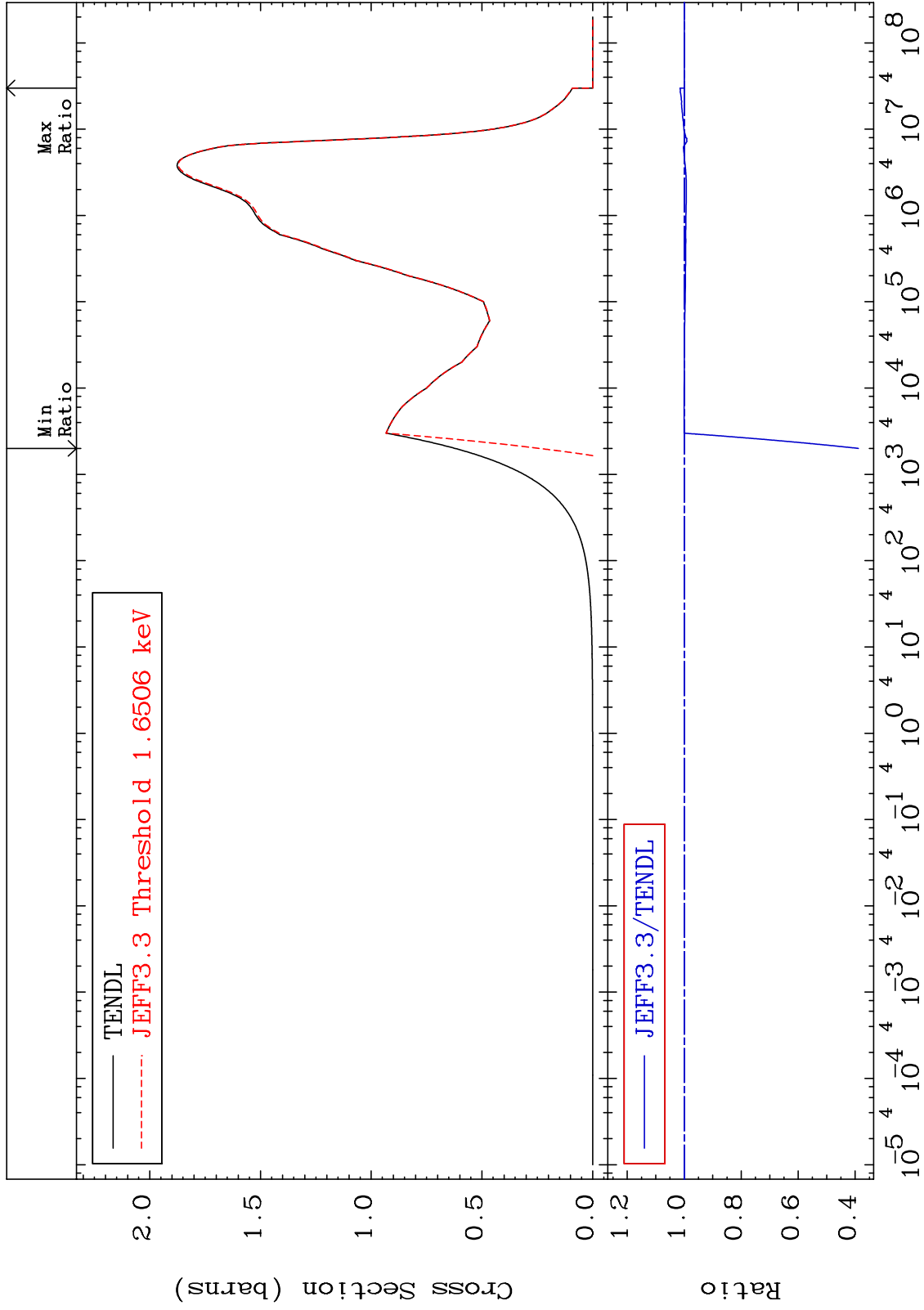
Incident Energy (eV)

78-Pt-193

MAT 7834

Inelastic: 78-Pt-193g
Radionuclide Production Cross Section -61.14 To 1.481 %

78-Pt-193



78

Incident Energy (eV)

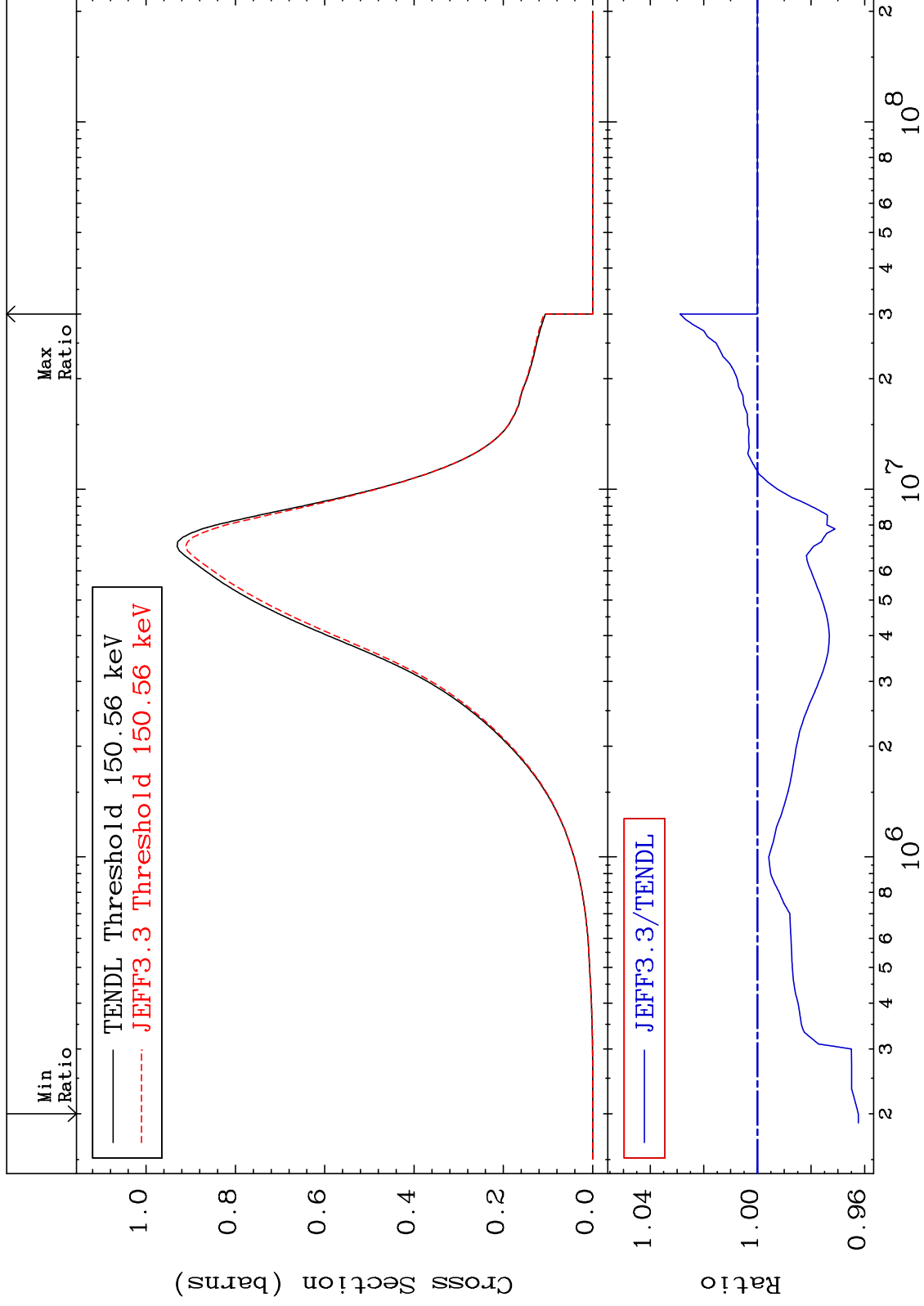
78-Pt-193

MAT 7834

Inelastic:78-Pt-193m5

78-Pt-193

Radionuclide Production Cross Section -3.765 To 2.888 %



79

Incident Energy (eV)

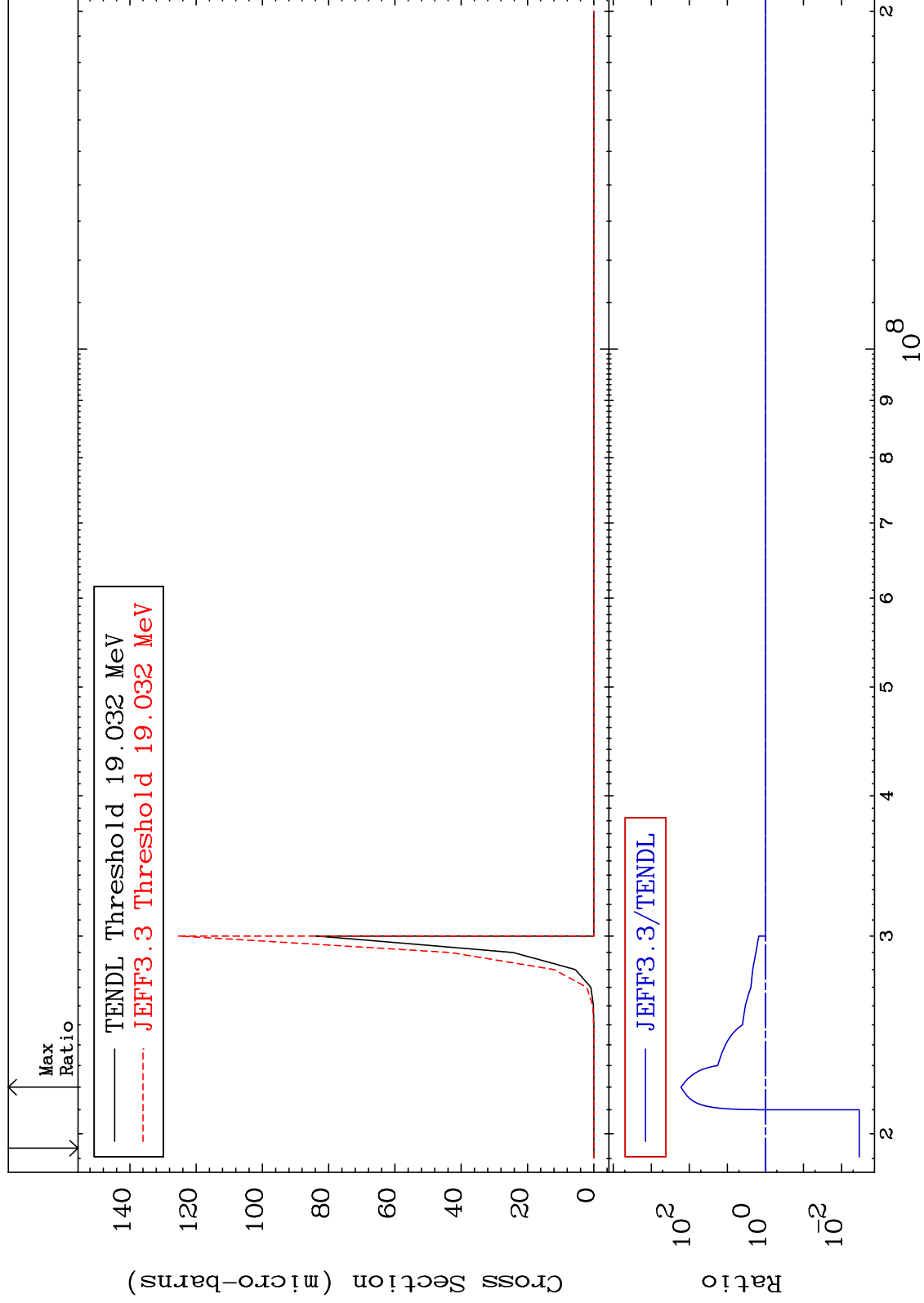
78-Pt-193

MAT 7834

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

78-Pt-193

Radionuclide Production Cross Section -99.66 To 9999. %



80

Incident Energy (eV)

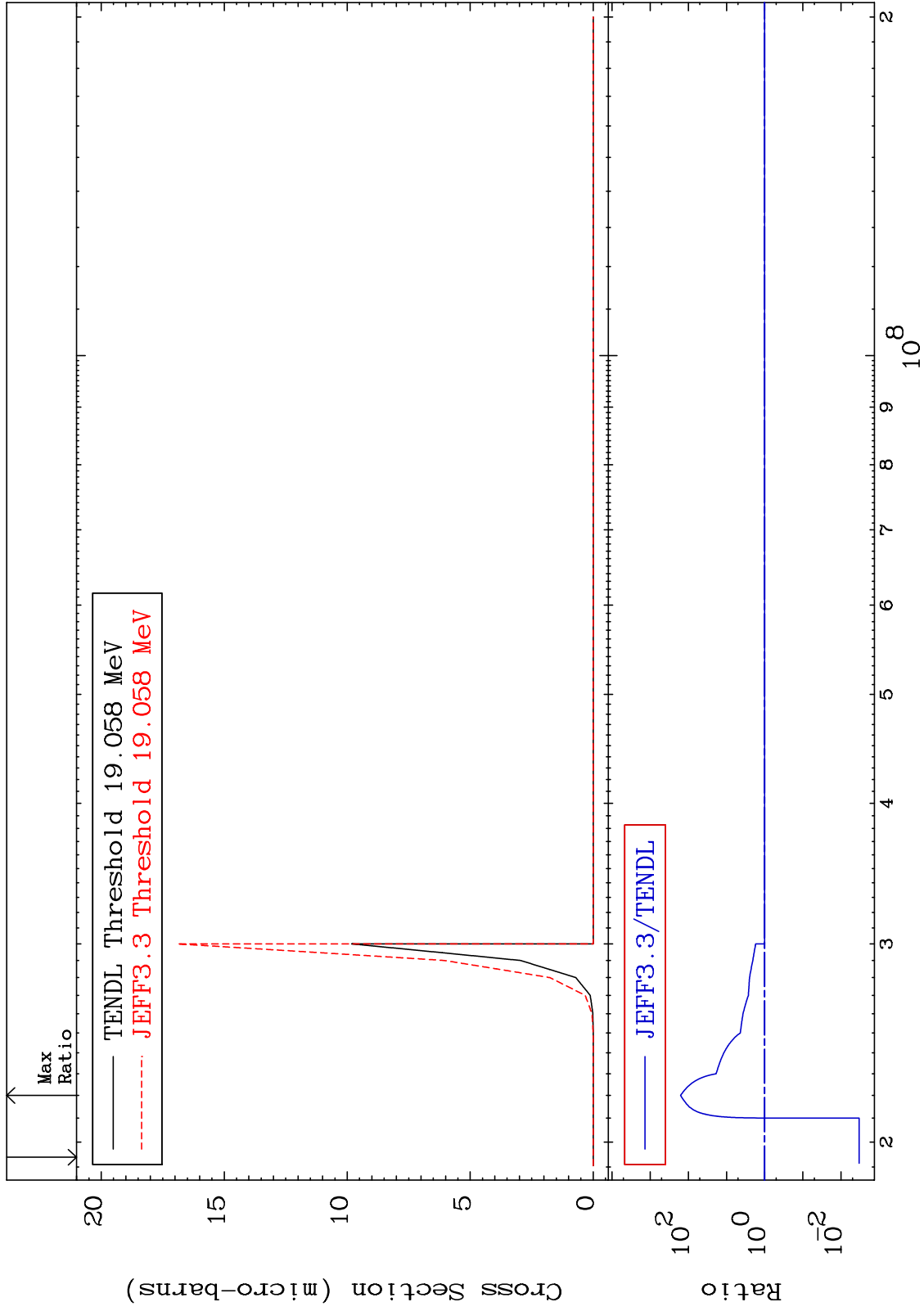
78-Pt-193

MAT 7834

(n,2n) d:77-Ir-190m2

78-Pt-193

Radionuclide Production Cross Section -99.66 To 9999. %

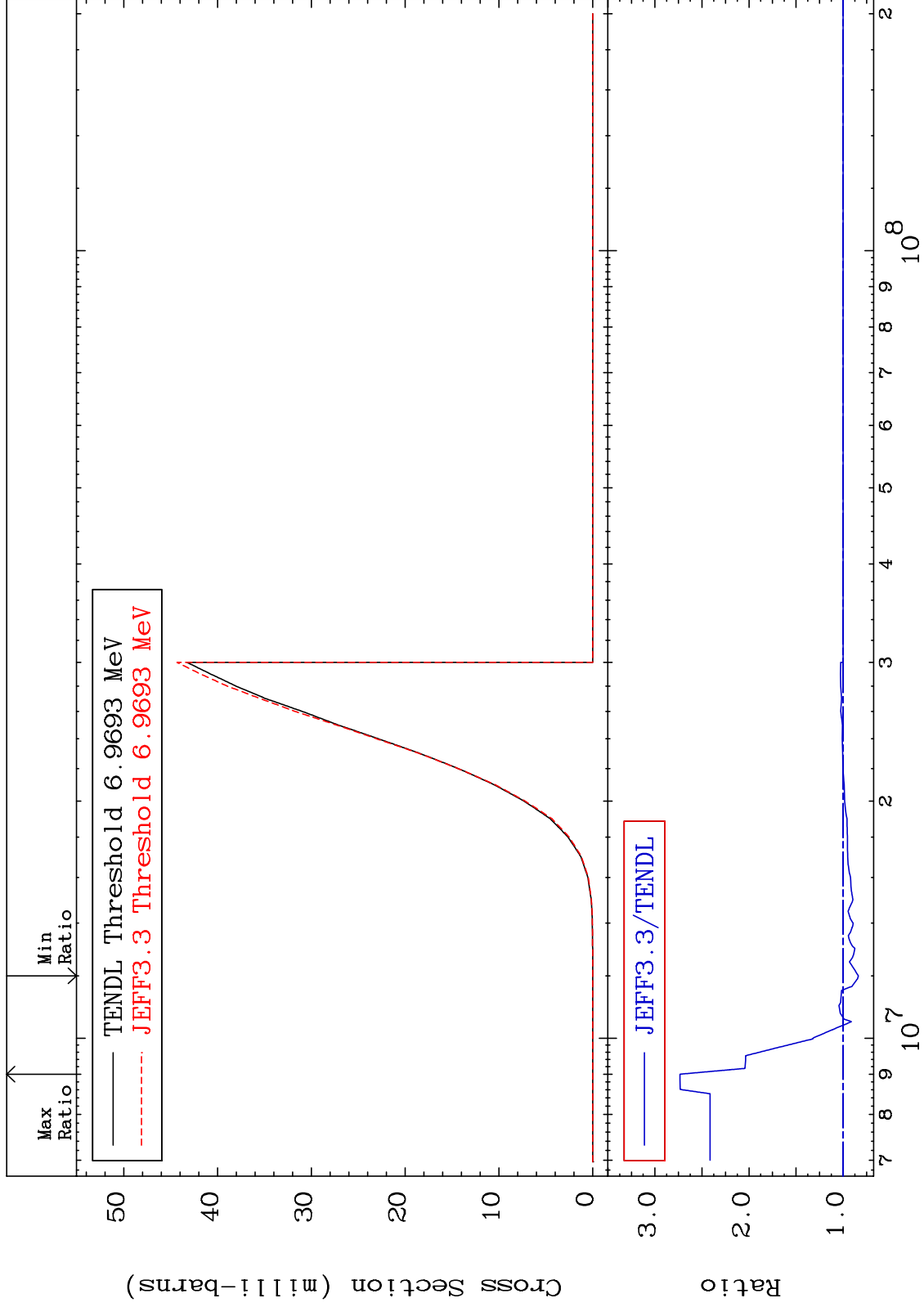


MAT 7834

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

78-Pt-193

Radionuclide Production Cross Section -16.34 To 173.3 %



82

Incident Energy (eV)

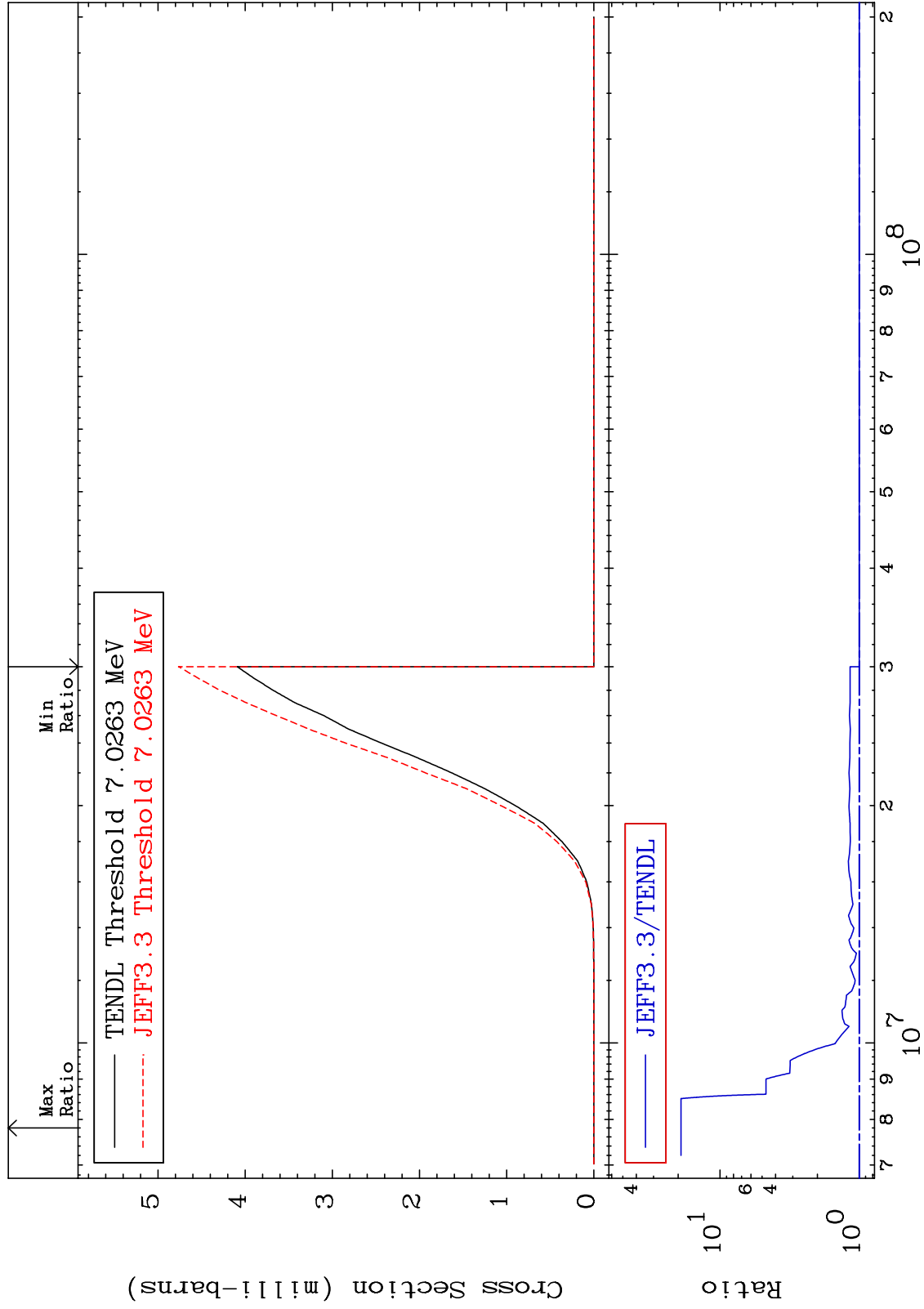
78-Pt-193

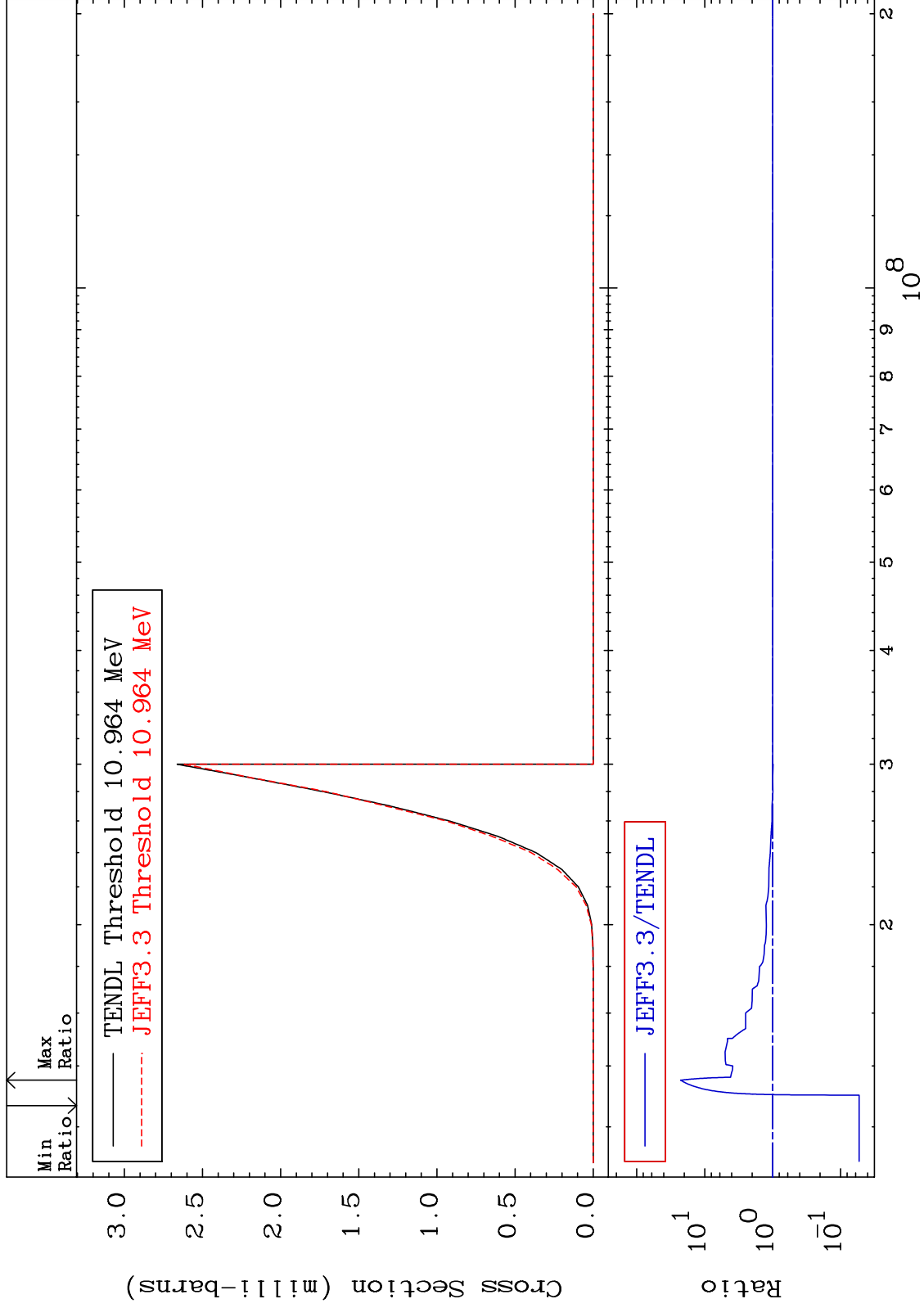
MAT 7834

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

78-Pt-193

Radionuclide Production Cross Section 0.000 To 1806. %



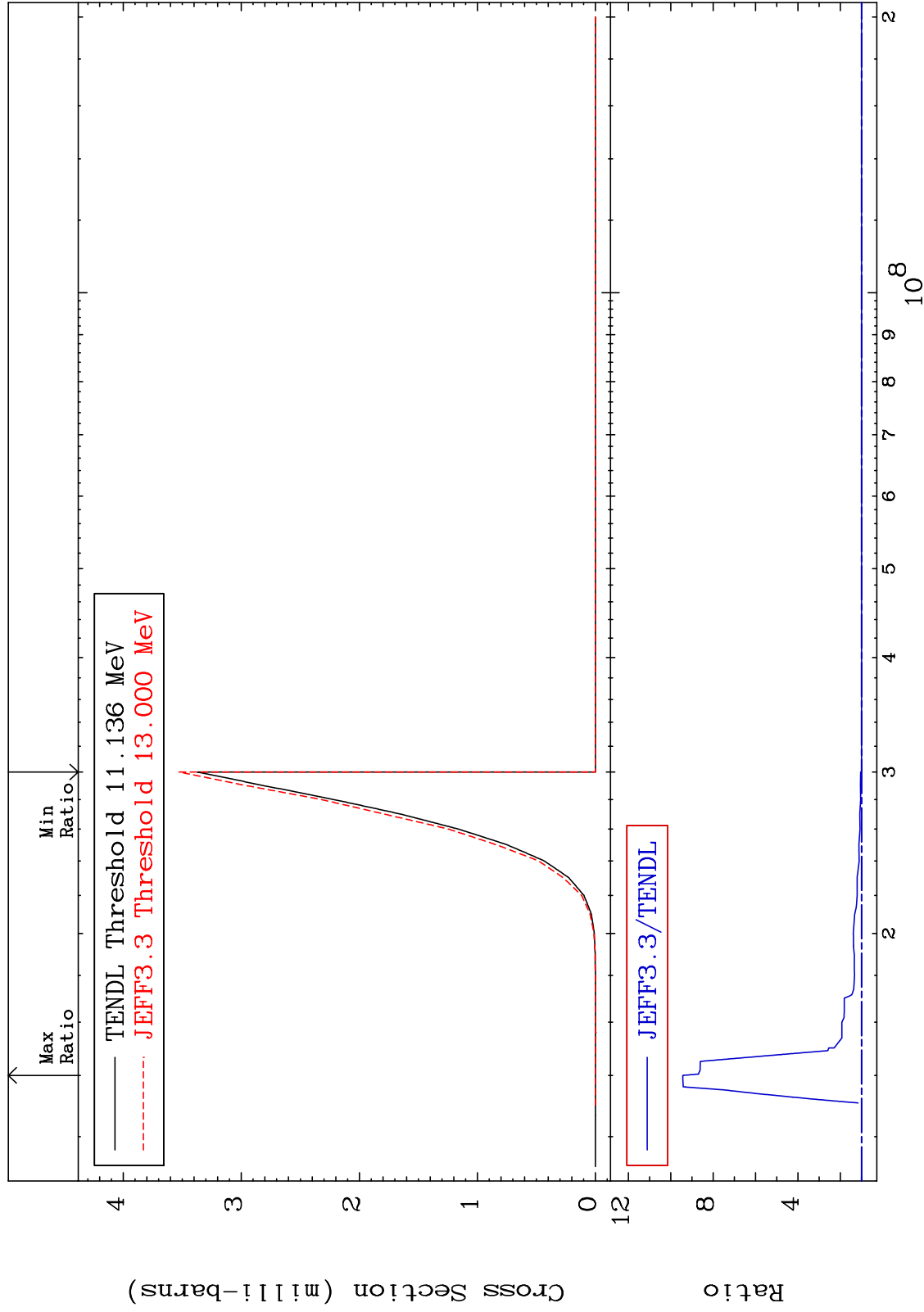


MAT 7834

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

78-Pt-193

Radionuclide Production Cross Section 0.000 To 843.1 %



85

Incident Energy (eV)

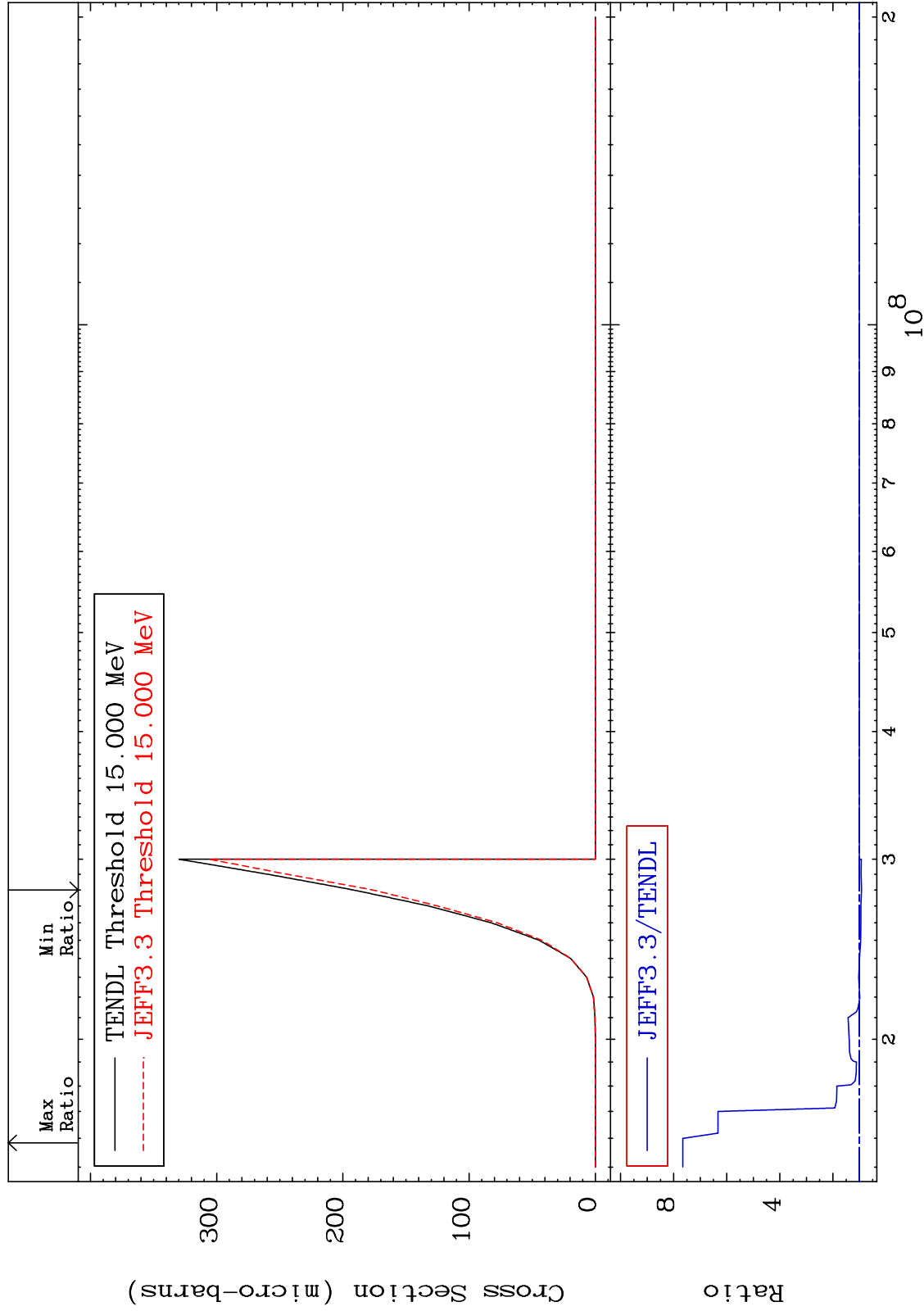
78-Pt-193

MAT 7834

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

78-Pt-193

Radionuclide Production Cross Section -8.033 To 665.4 %



86

Incident Energy (eV)

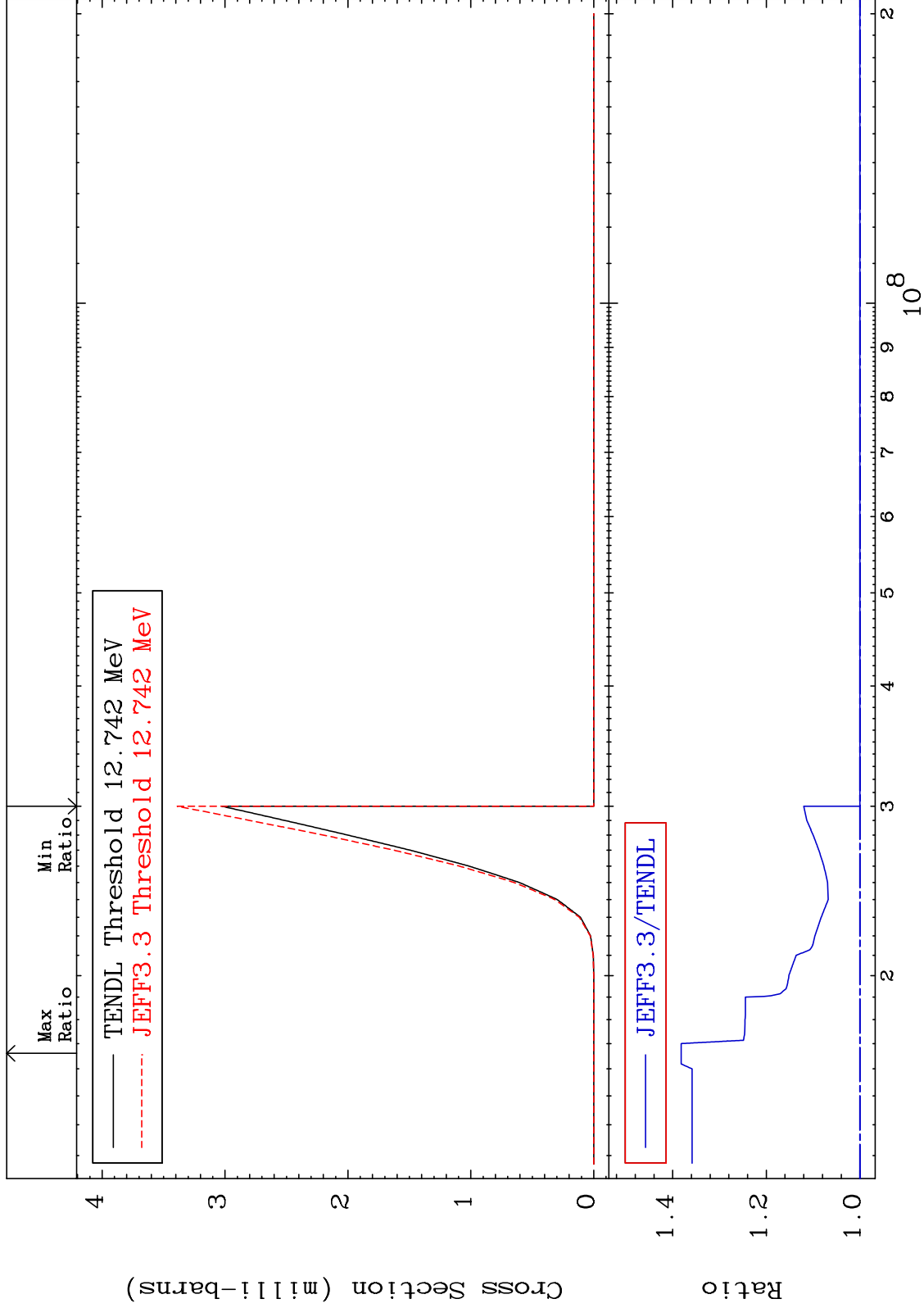
78-Pt-193

MAT 7834

(n, n') t:77-Ir-190g

78-Pt-193

Radionuclide Production Cross Section 0.000 To 38.18 %

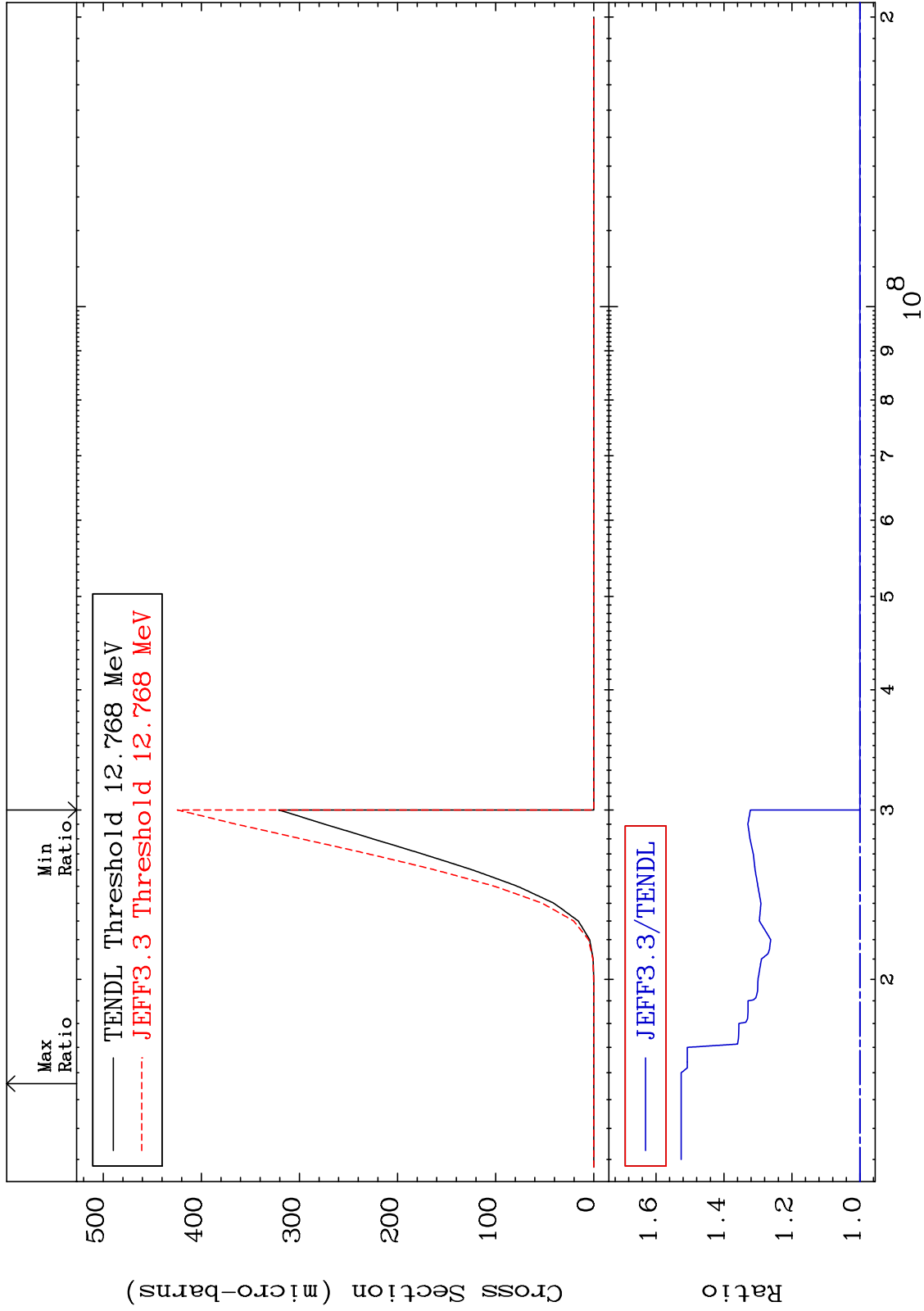


MAT 7834

(n, n') t:77-Ir-190m2

78-Pt-193

Radionuclide Production Cross Section 0.000 To 52.56 %

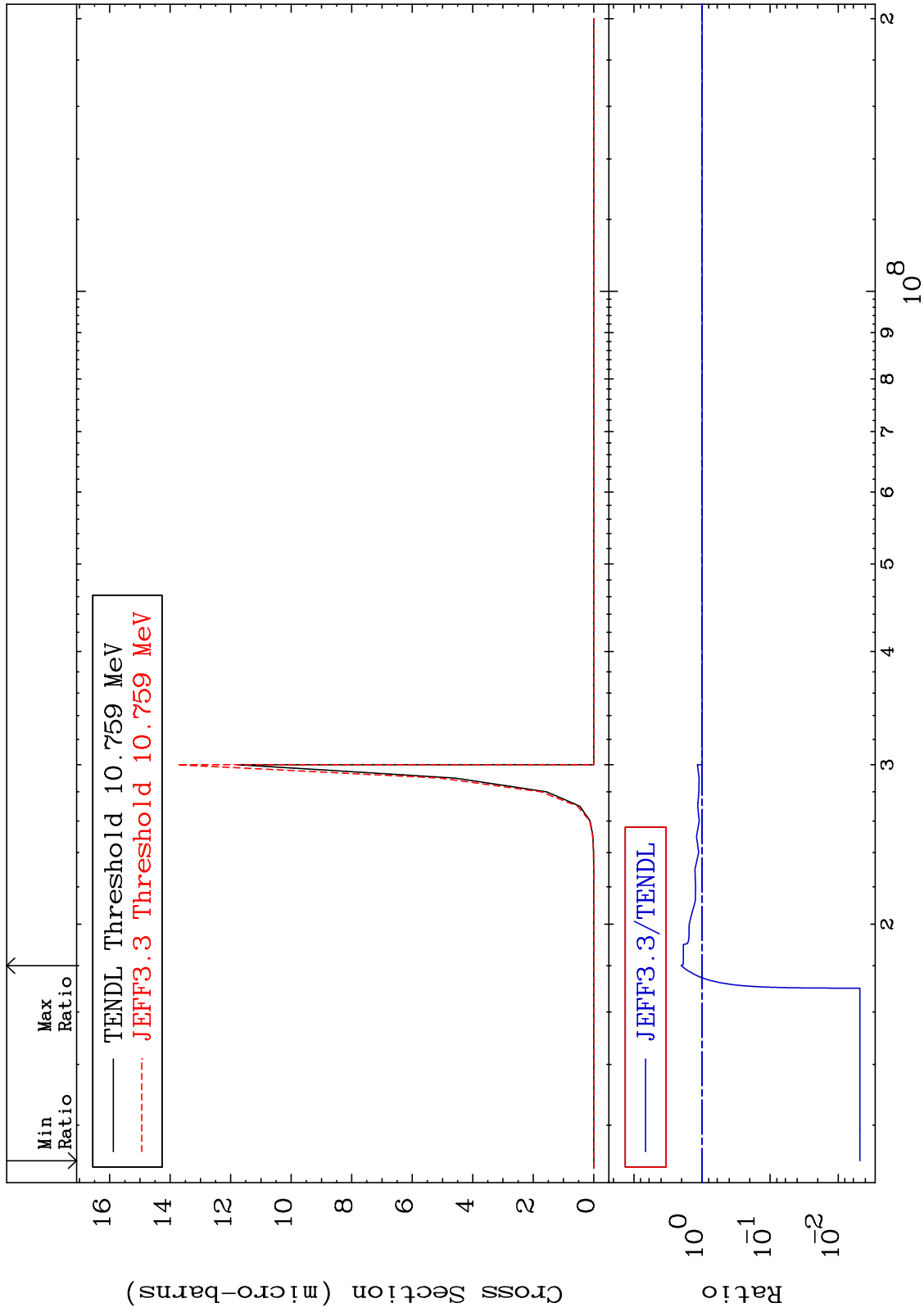


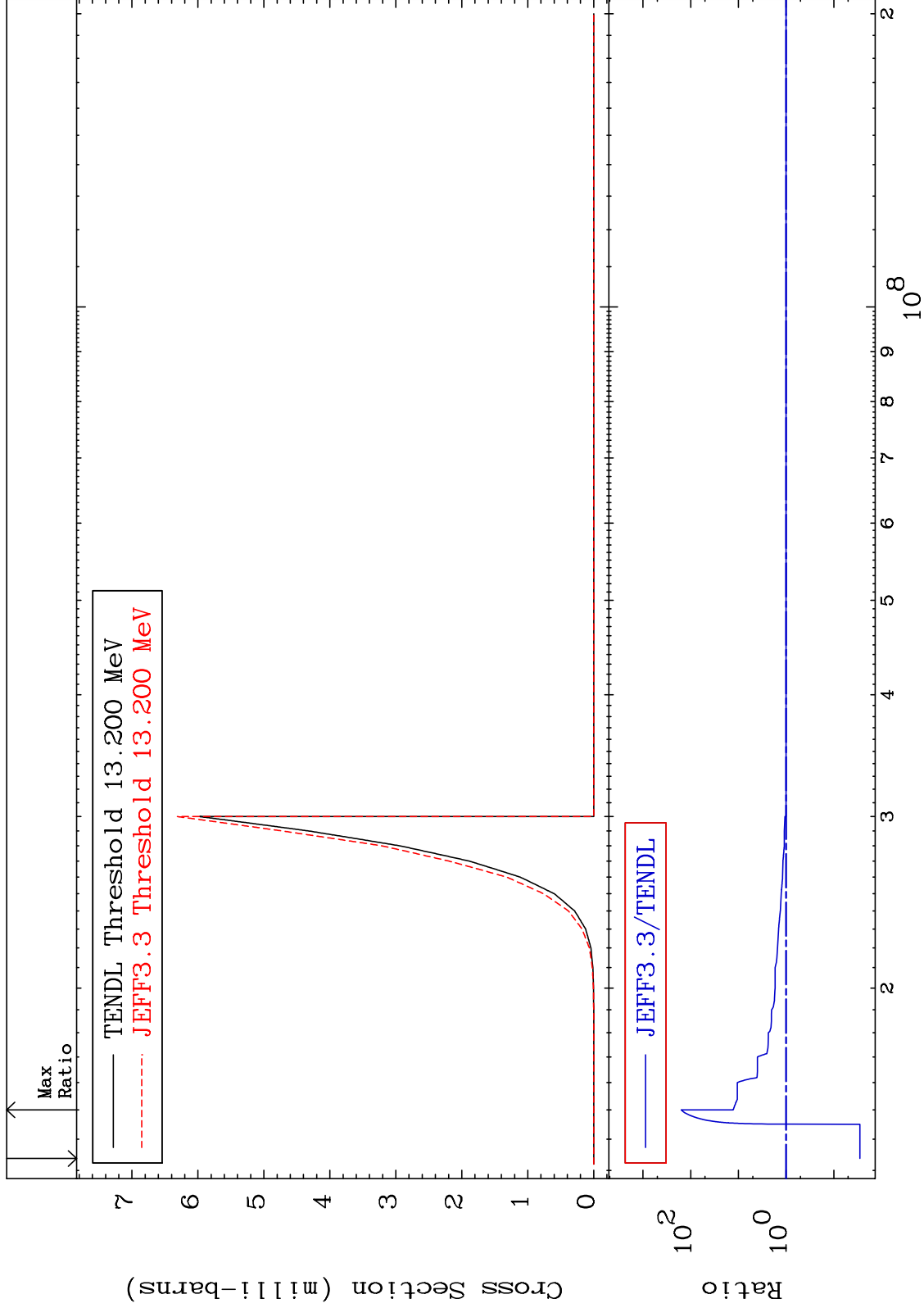
MAT 7834

(n, n') He-3:76-Os-190g

78-Pt-193

Radionuclide Production Cross Section -99.52 To 102.6 %





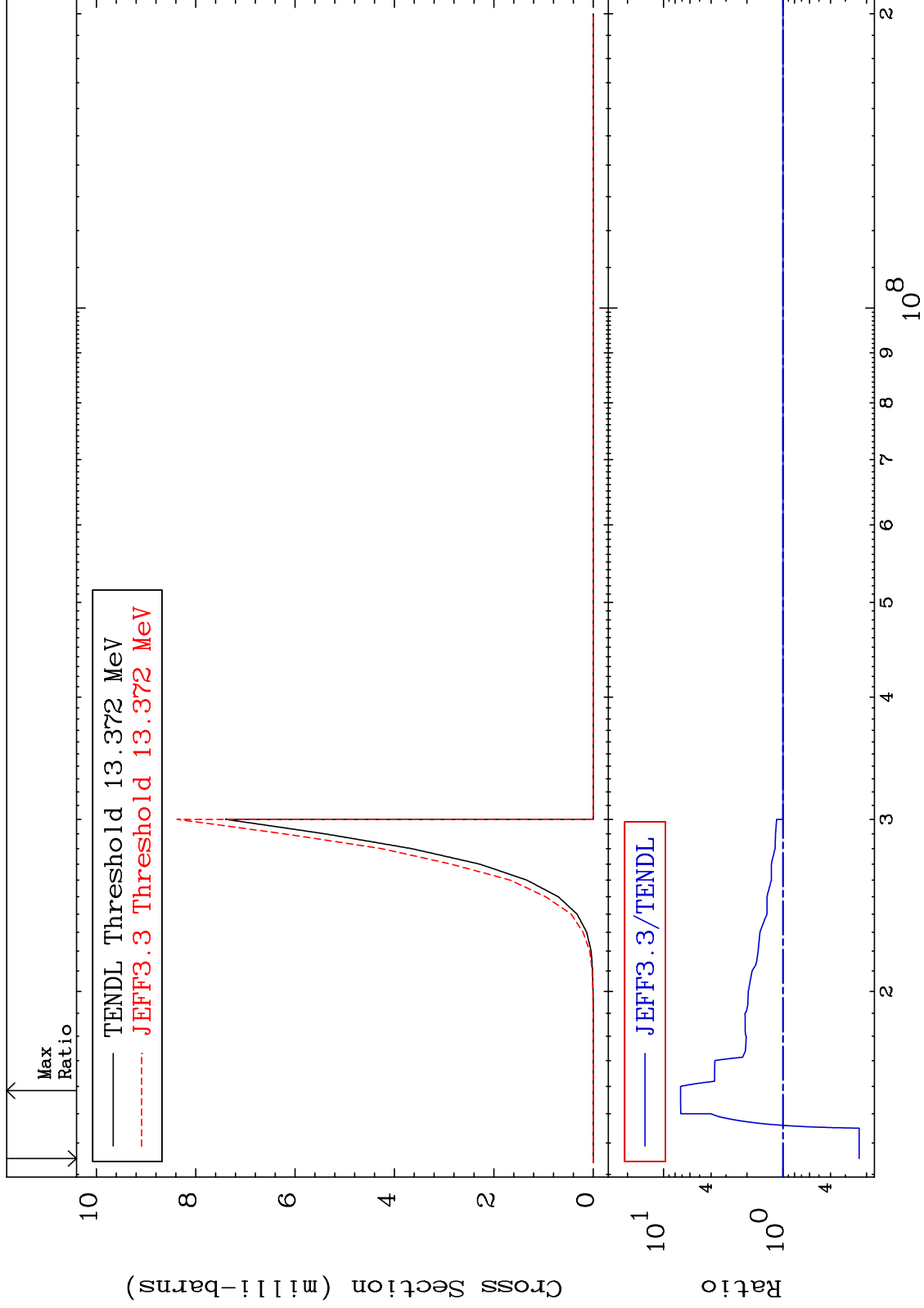
MAT 7834

(n,2n) p:77-Ir-191m3

78-Pt-193

Radionuclide Production Cross Section

-76.99 To 619.5 %

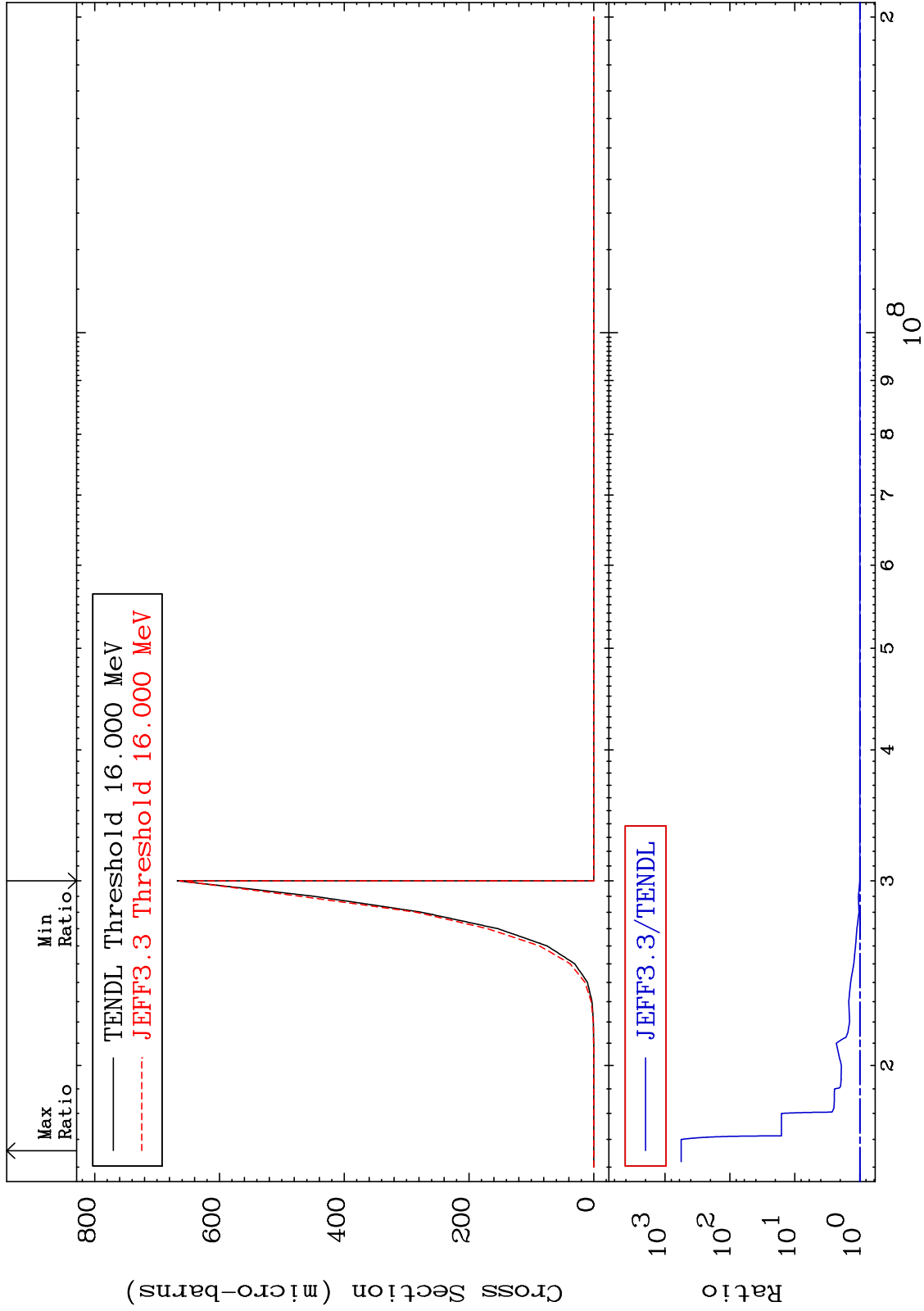


MAT 7834

(n,2n) p:77-Ir-191m5

78-Pt-193

Radionuclide Production Cross Section -0.512 To 9999. %



92

Incident Energy (eV)

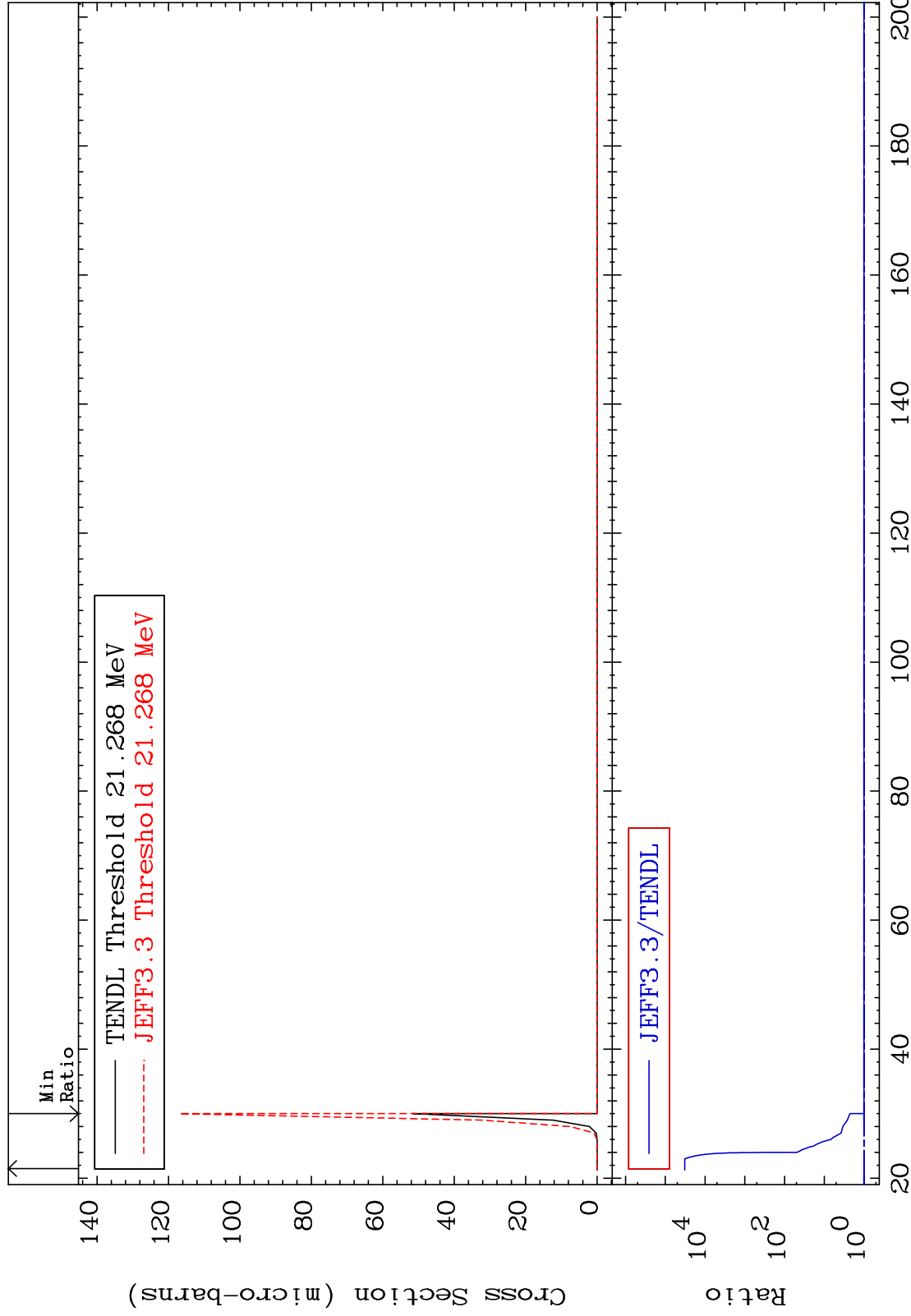
78-Pt-193

MAT 7834

(n,3n) p:77-Ir-190g

78-Pt-193

Radionuclide Production Cross Section 0.000 To 9999. %

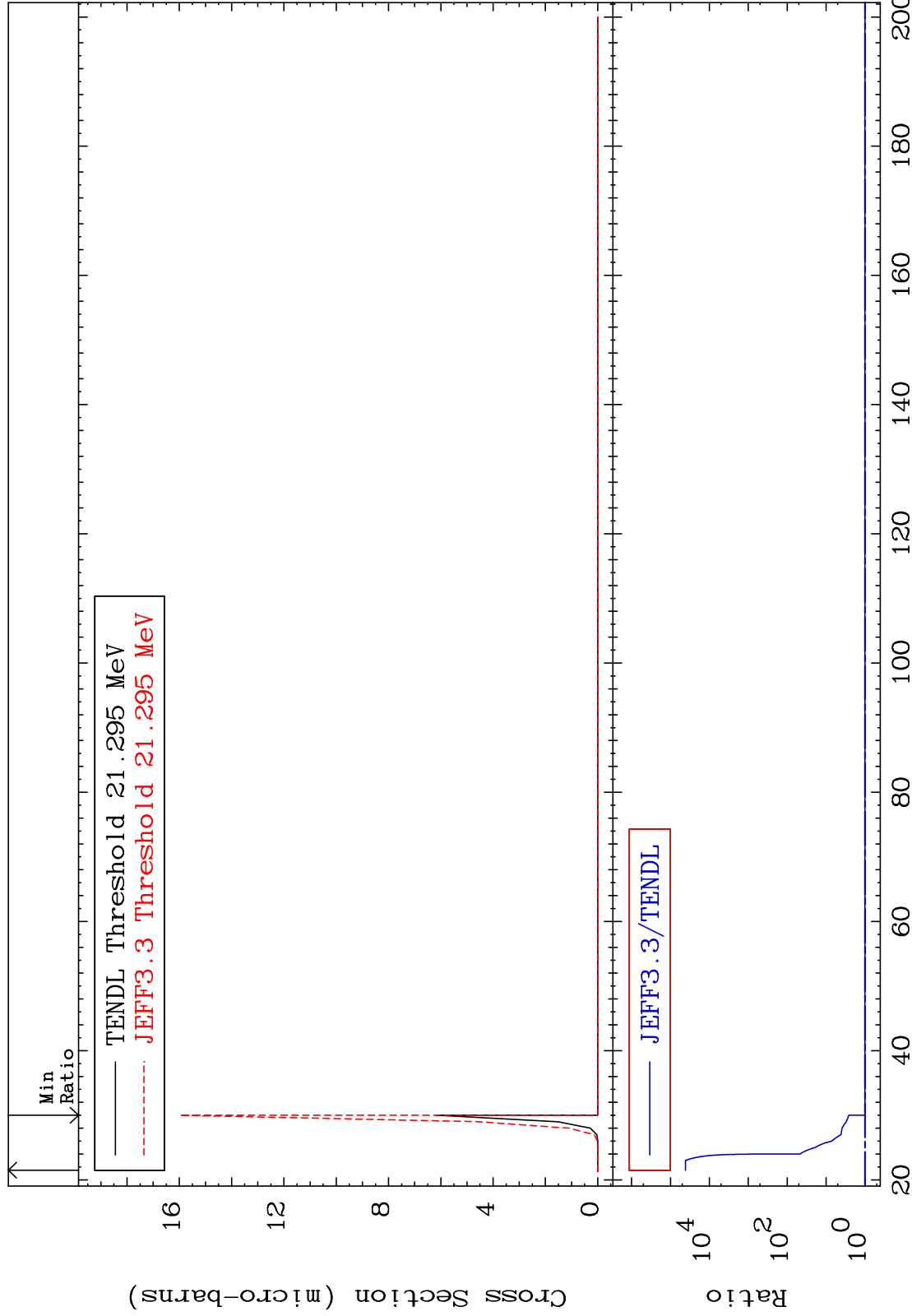


MAT 7834

(n,3n) p:77-Ir-190m2

78-Pt-193

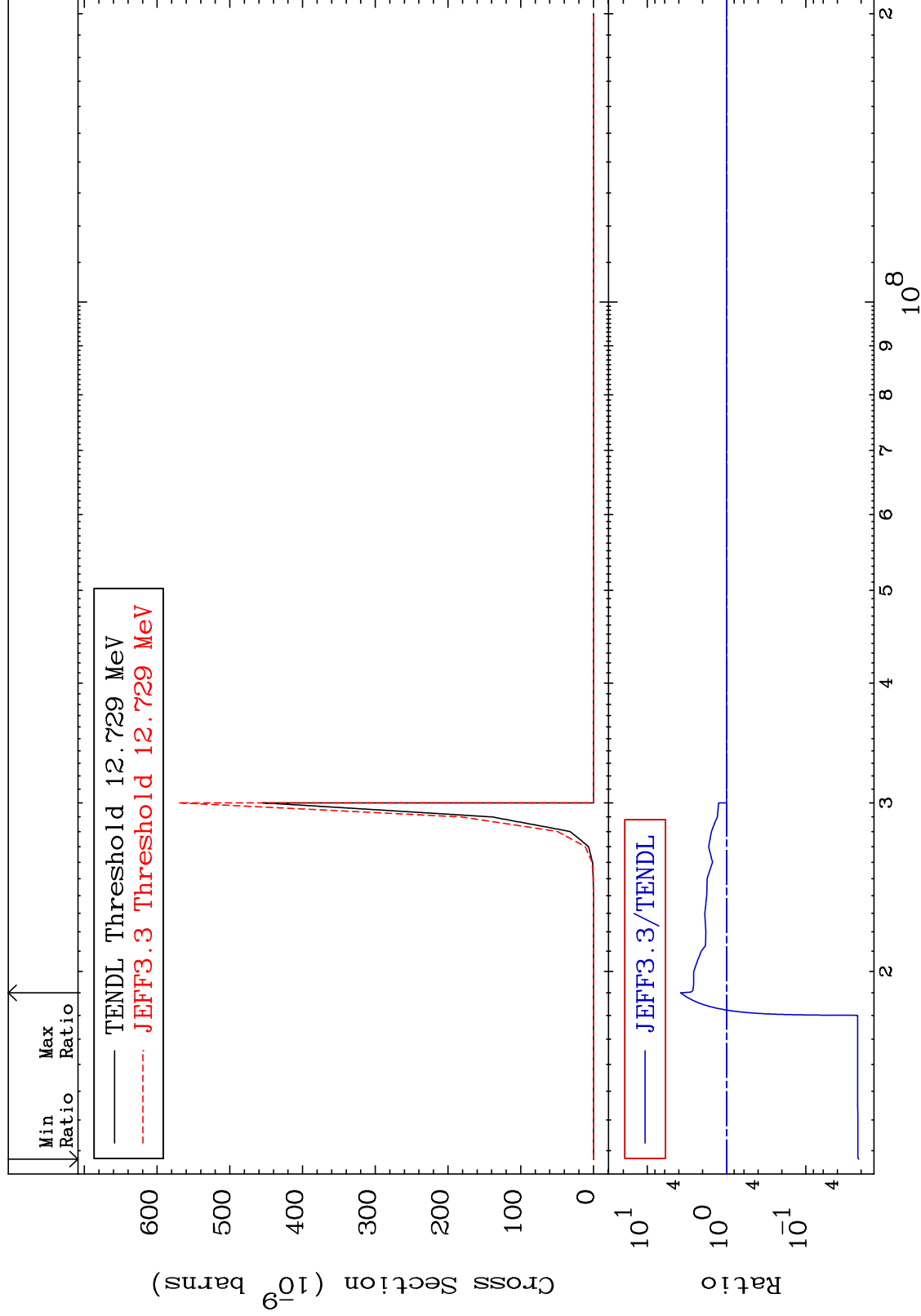
Radionuclide Production Cross Section 0.000 To 9999. %



94

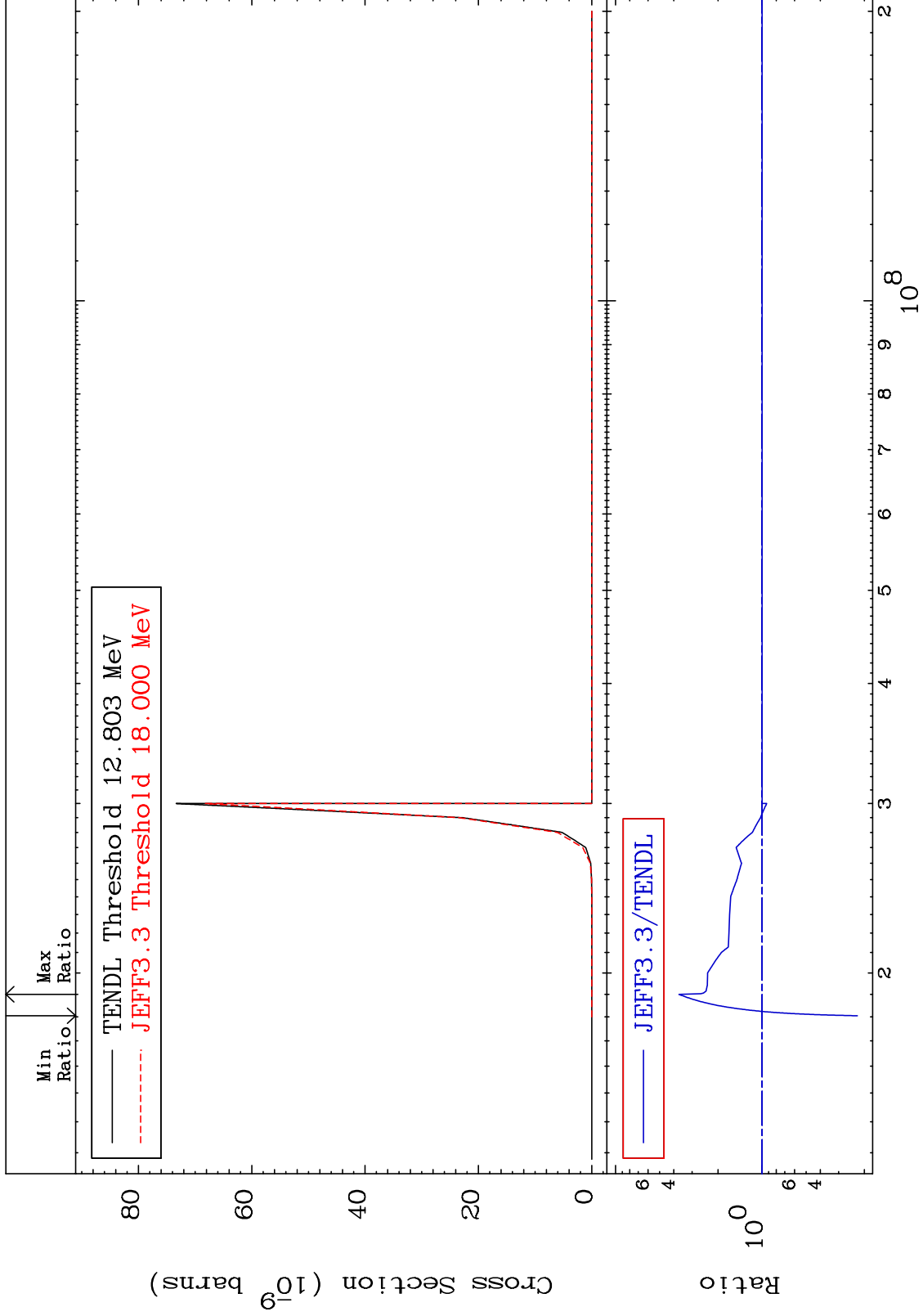
Incident Energy (MeV)

78-Pt-193



Radionuclide Production Cross Section

-77.71 To 268.6 %

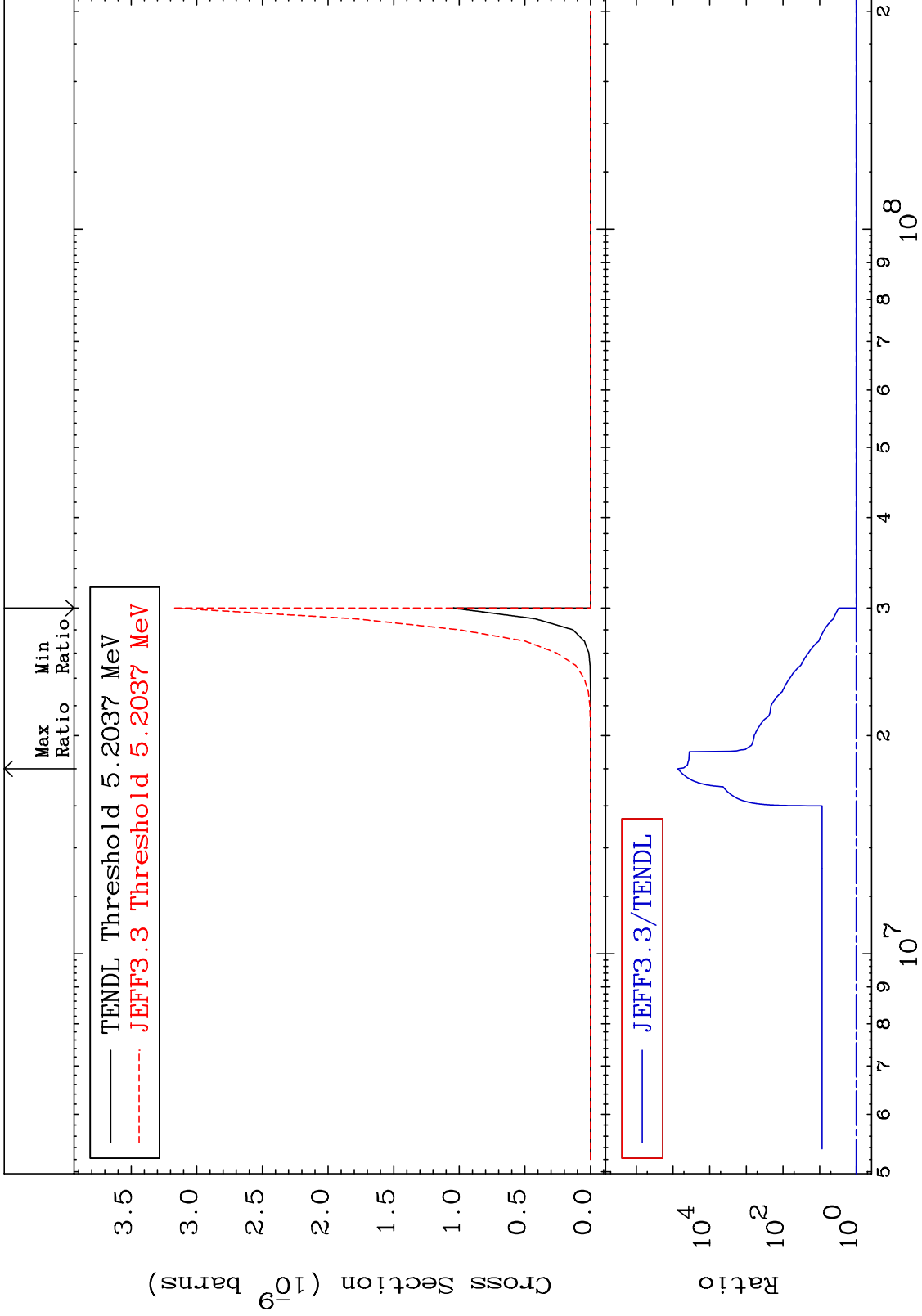


MAT 7834

78-Pt-193

(n, n') p α : 75-Re-188g

Radionuclide Production Cross Section 0.000 To 9999. %



97

Incident Energy (eV)

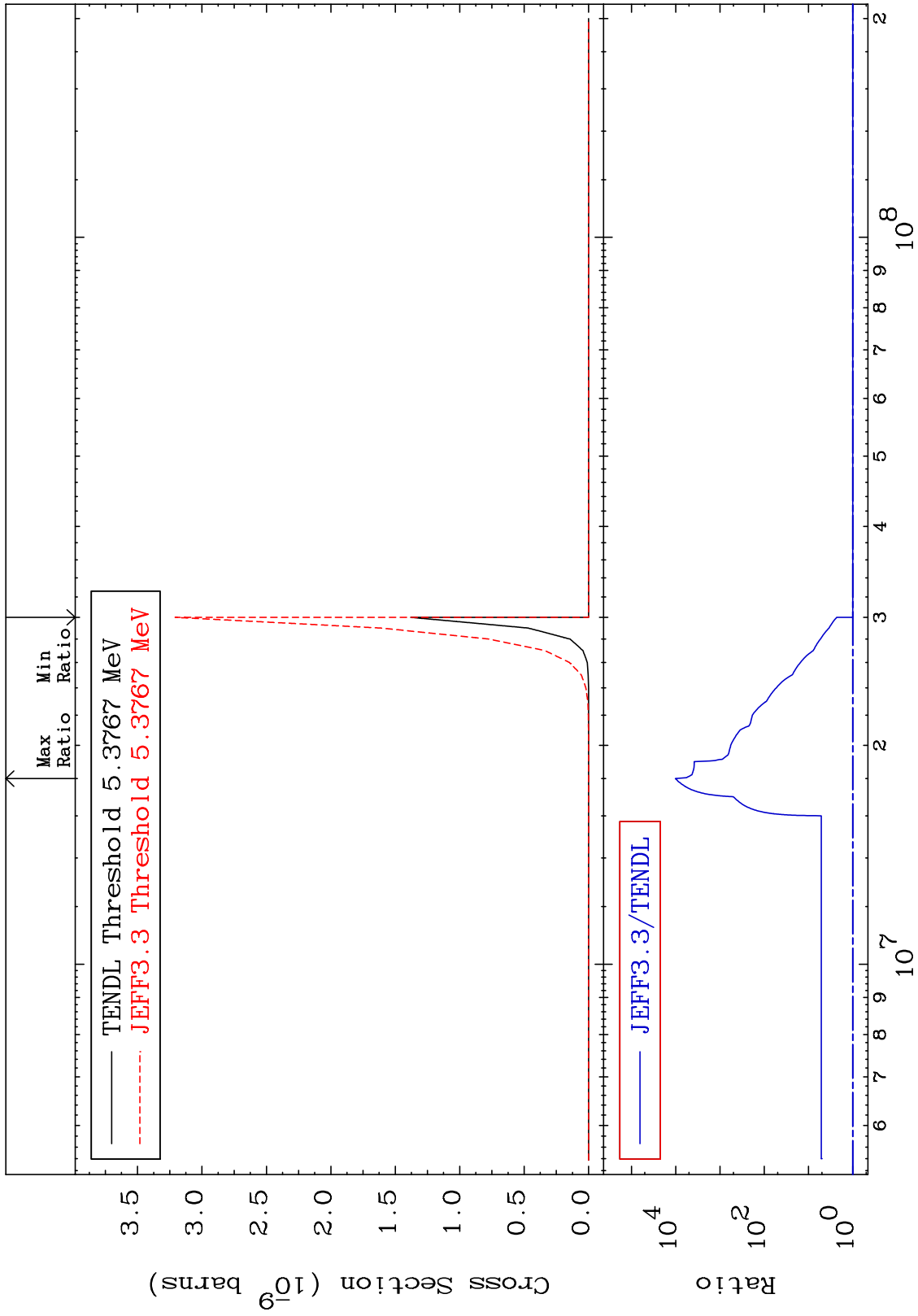
78-Pt-193

MAT 7834

(n, n') p α : 75-Re-188m7

78-Pt-193

Radionuclide Production Cross Section 0.000 To 9999. %



98

Incident Energy (eV)

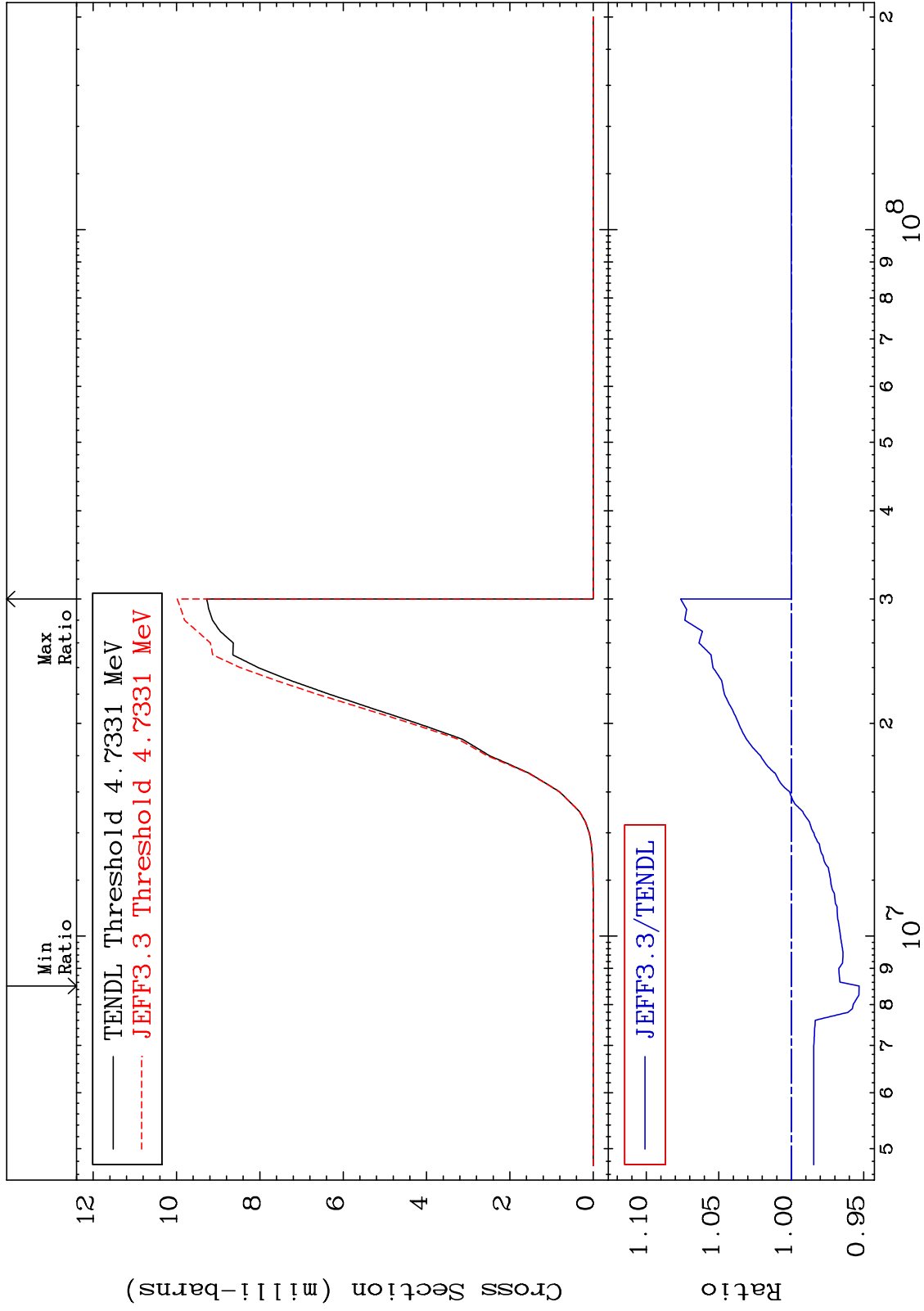
78-Pt-193

MAT 7834

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

78-Pt-193

Radionuclide Production Cross Section -4.682 To 7.633 %



99

Incident Energy (eV)

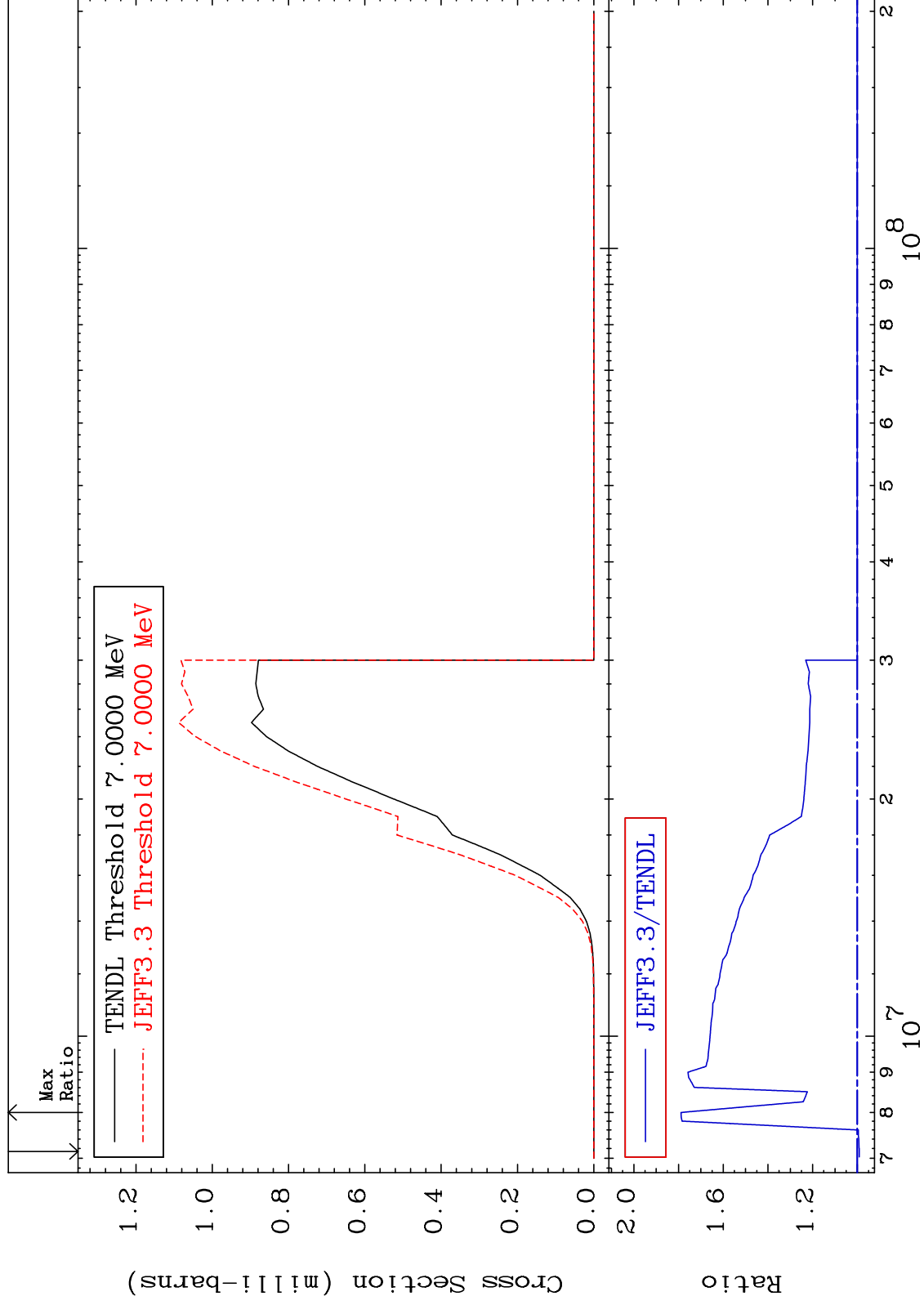
78-Pt-193

MAT 7834

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

78-Pt-193

Radionuclide Production Cross Section -0.864 To 78.87 %



100

Incident Energy (eV)

78-Pt-193

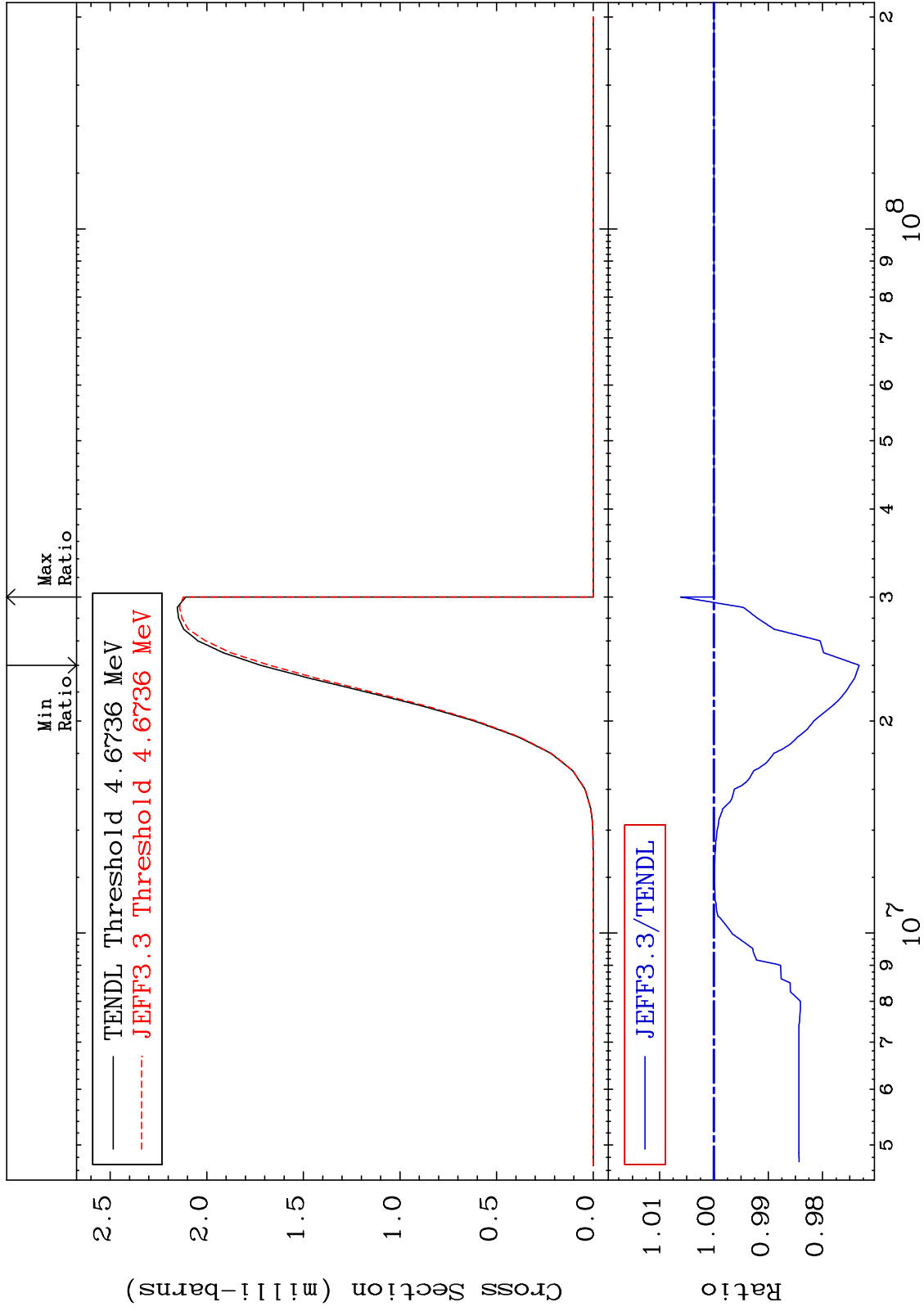
MAT 7834

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

78-Pt-193

Radionuclide Production Cross Section

-2.674 To 0.613 %



101

Incident Energy (eV)

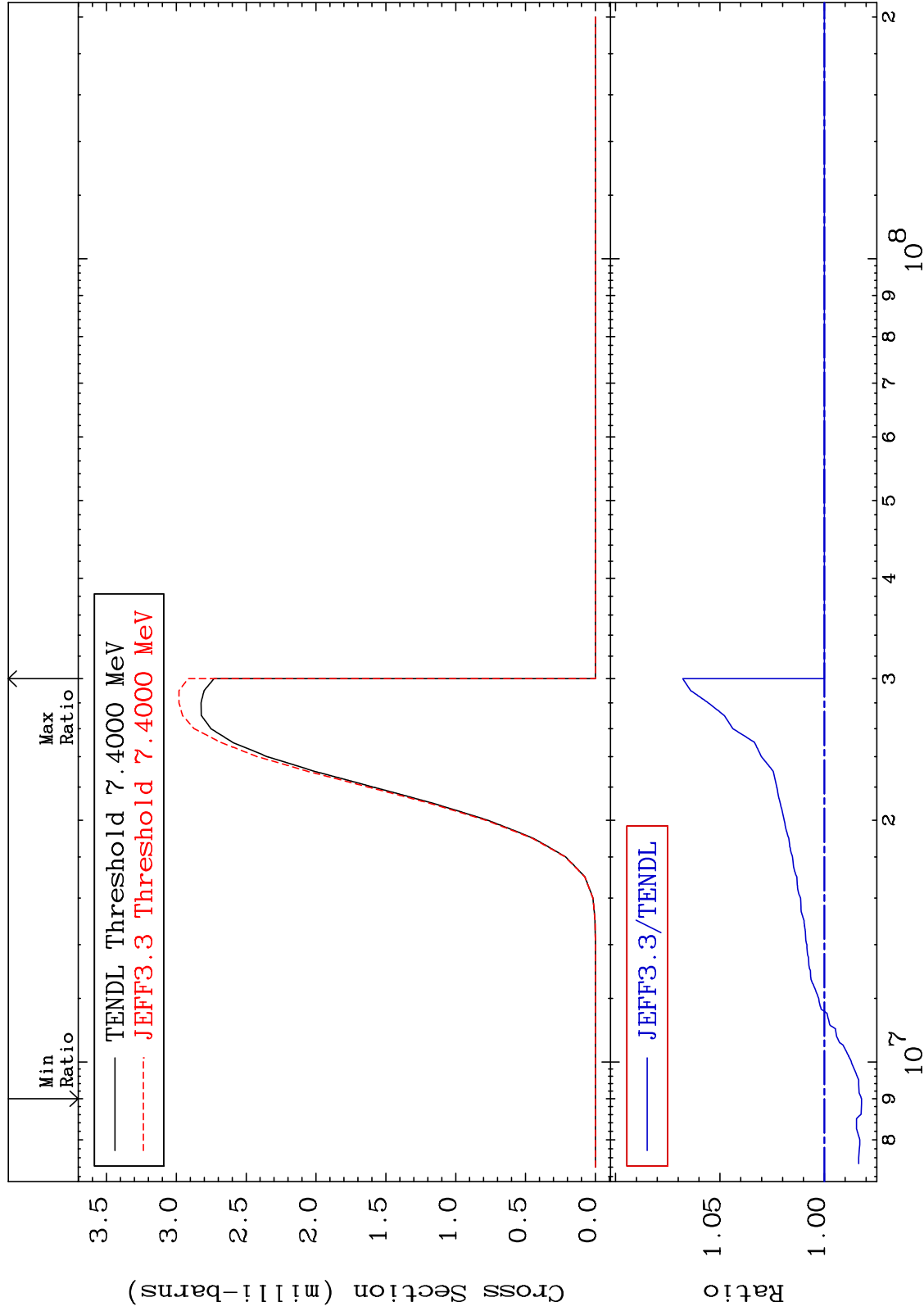
78-Pt-193

MAT 7834

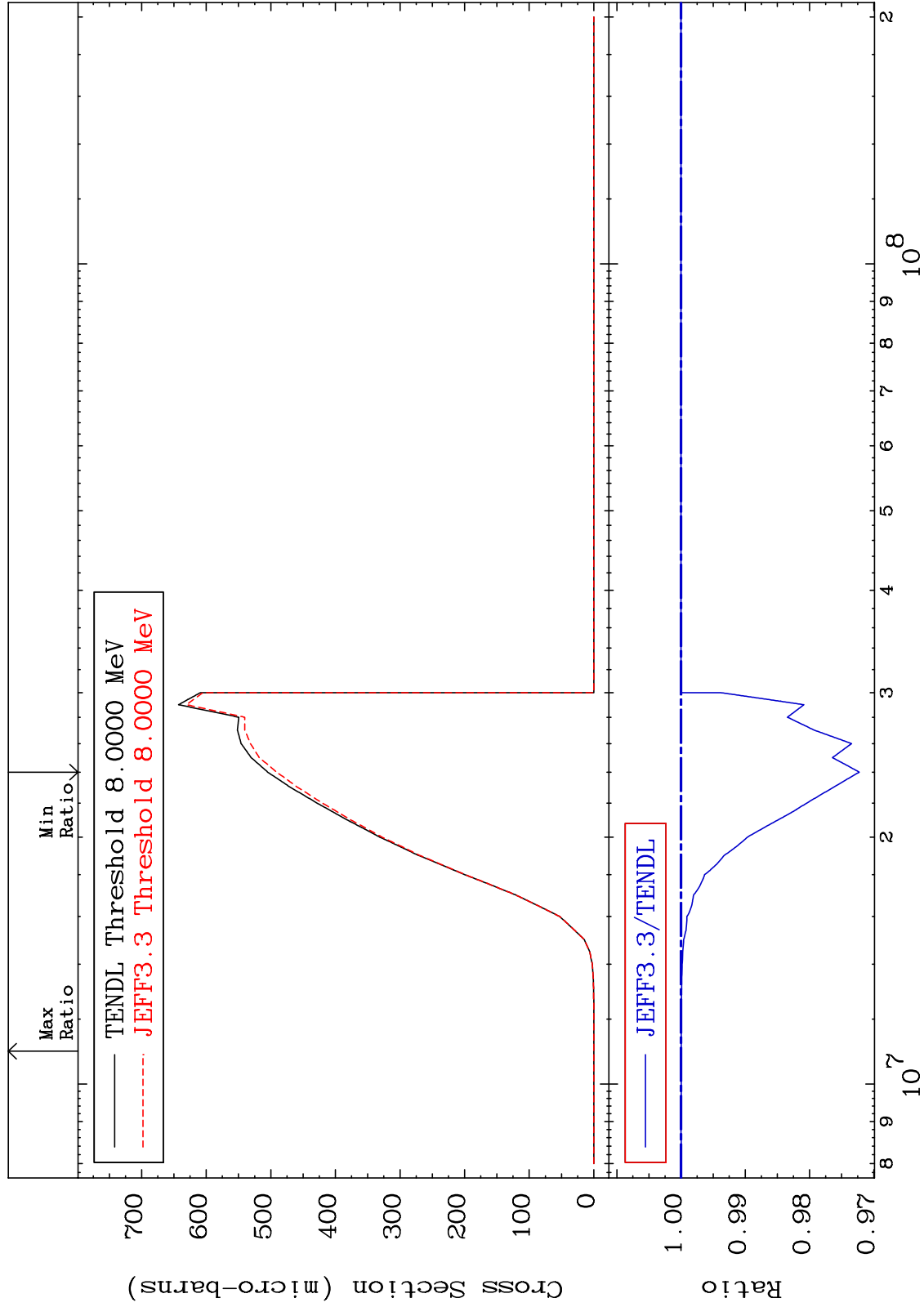
(n, t) : 77-Ir-191m3

78-Pt-193

Radionuclide Production Cross Section -1.785 To 6.774 %



Radionuclide Production Cross Section -2.775 To 0.000 %



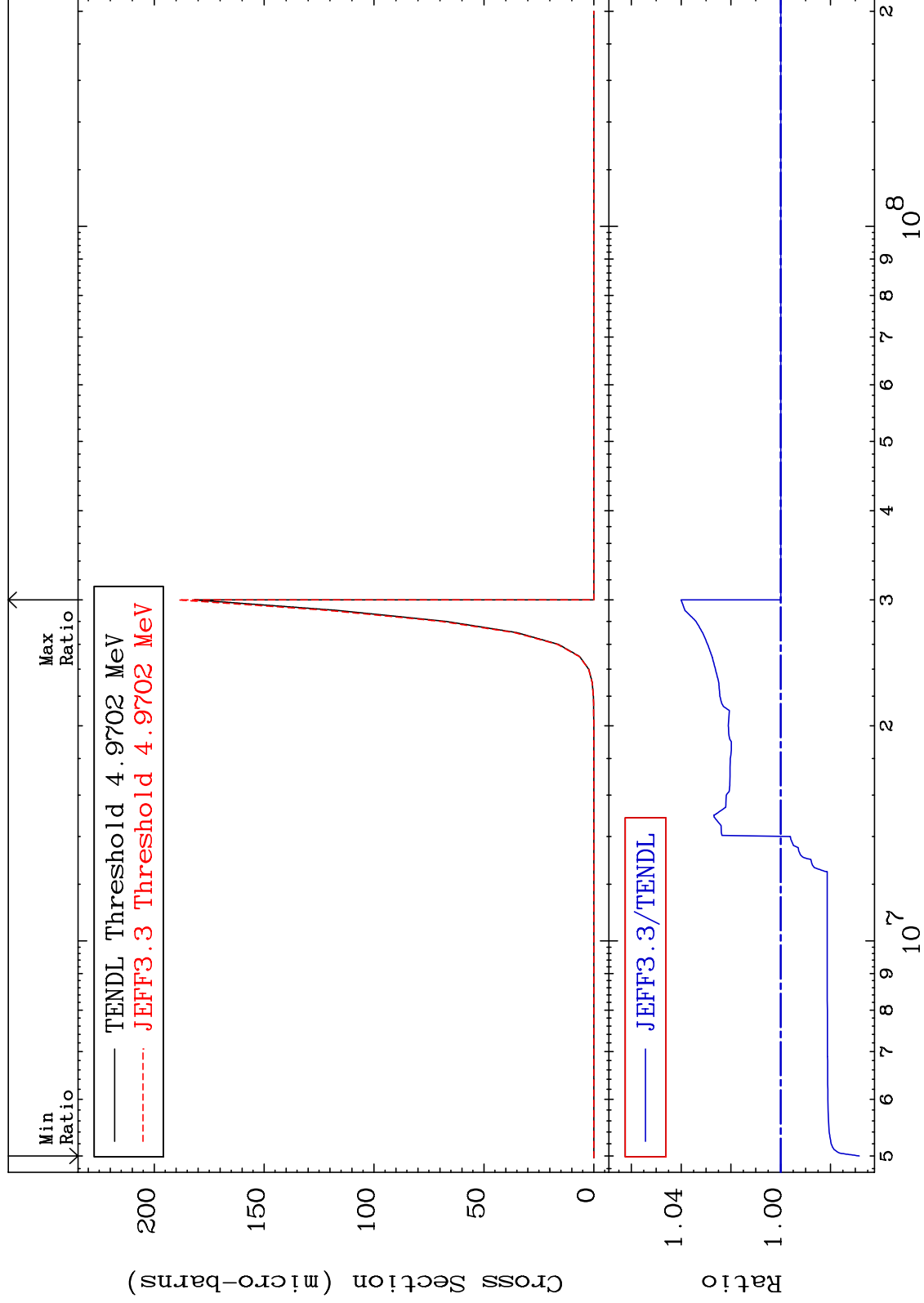
MAT 7834

(n,He-3):76-0s-191g

78-Pt-193

Radionuclide Production Cross Section

-3.156 To 4.002 %



104

Incident Energy (eV)

78-Pt-193

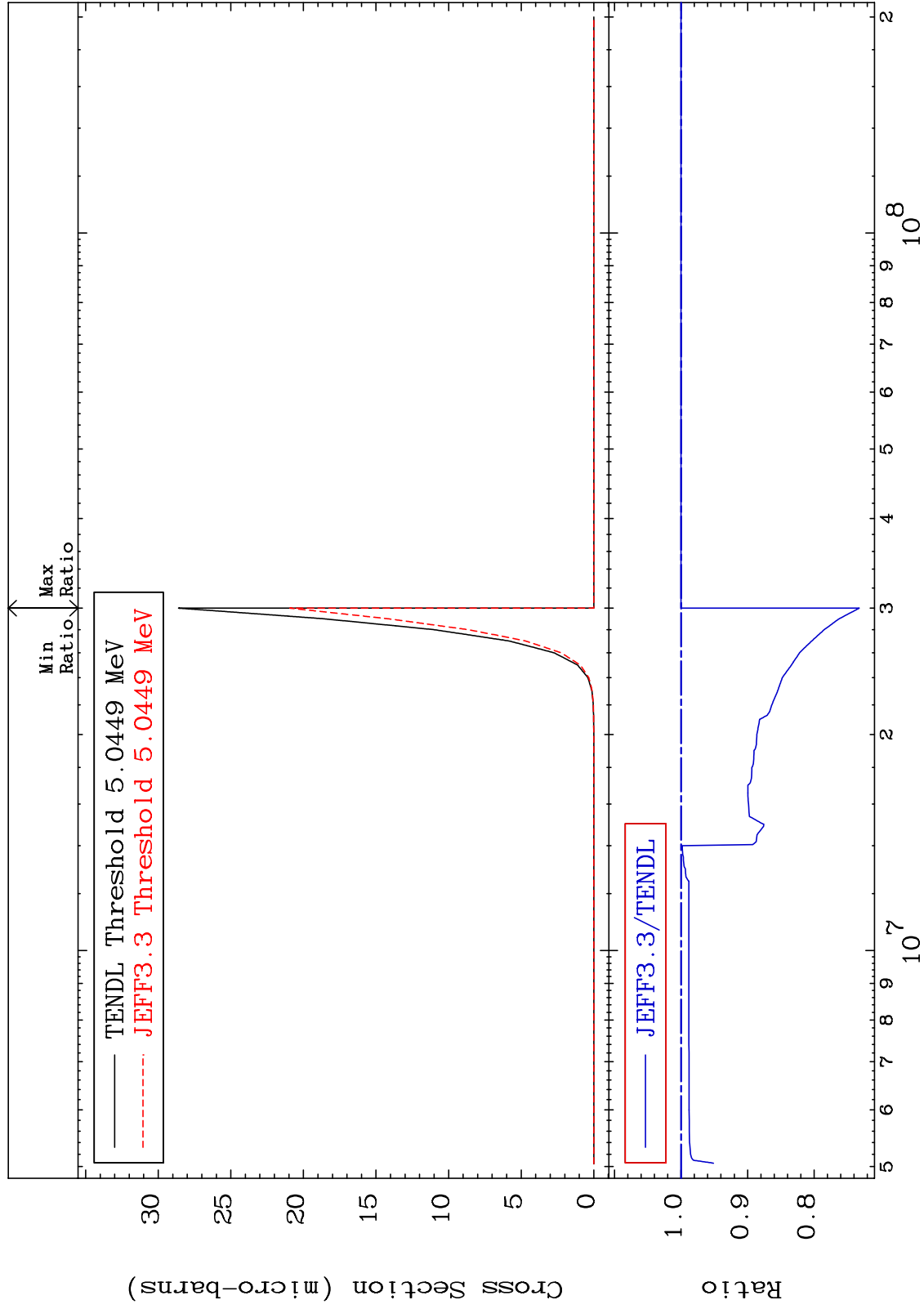
MAT 7834

(n, He-3) : 76-Os-191m1

78-Pt-193

Radionuclide Production Cross Section

-26.79 To 0.000 %



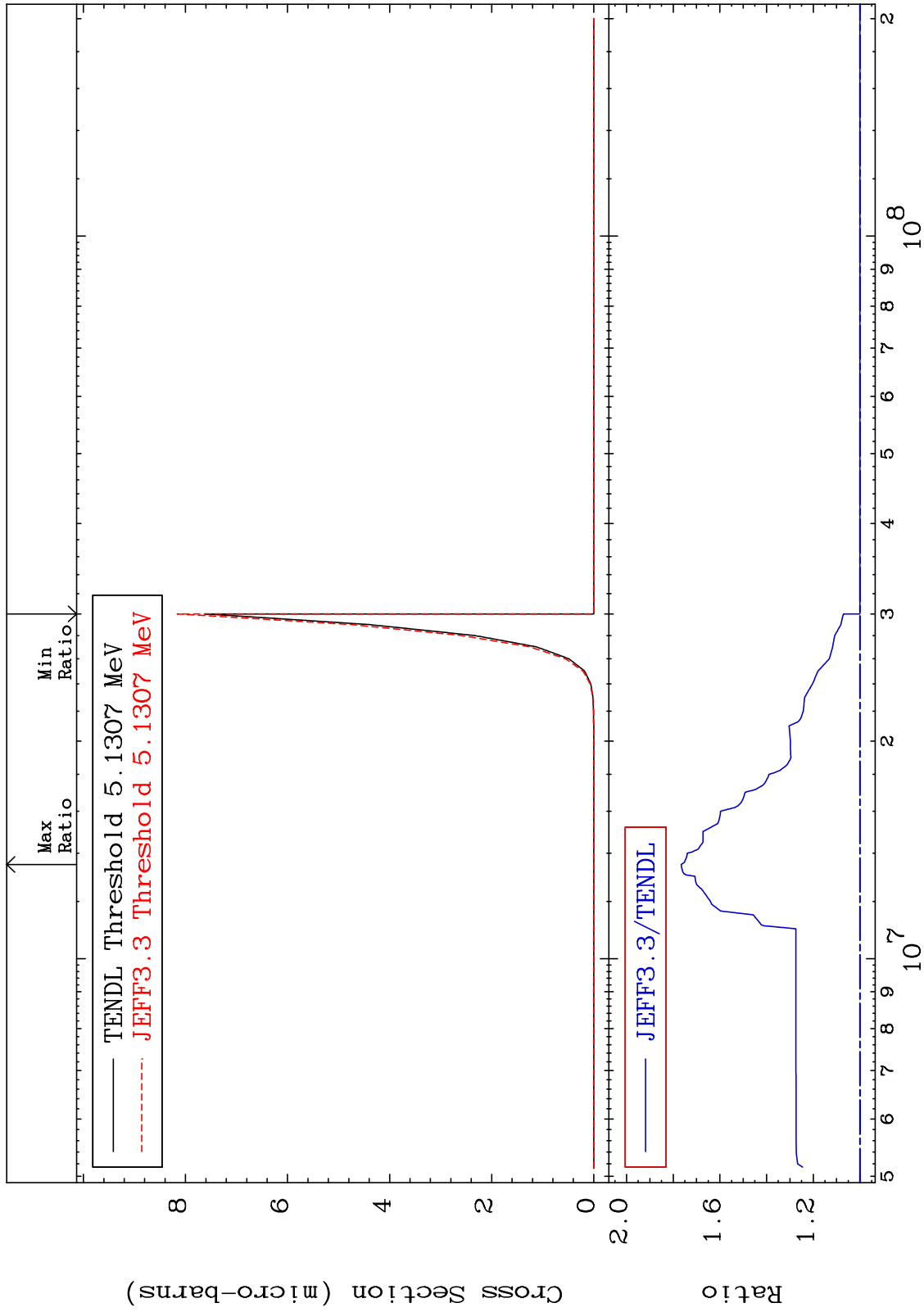
105

Incident Energy (eV)

78-Pt-193

MAT 7834

(n,2p) : 76-0s-192g 78-Pt-193
Radionuclide Production Cross Section 0.000 To 76.56 %

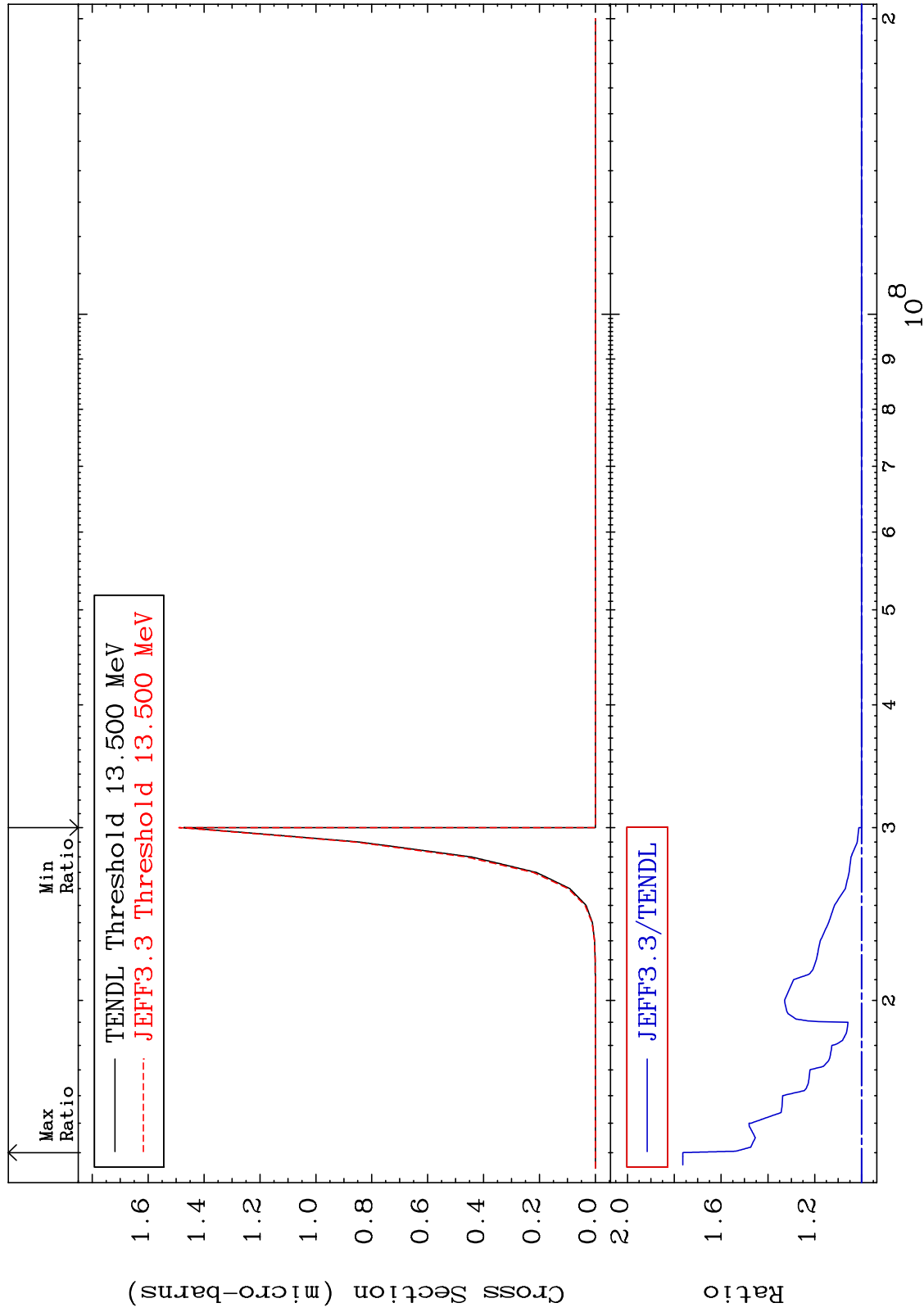


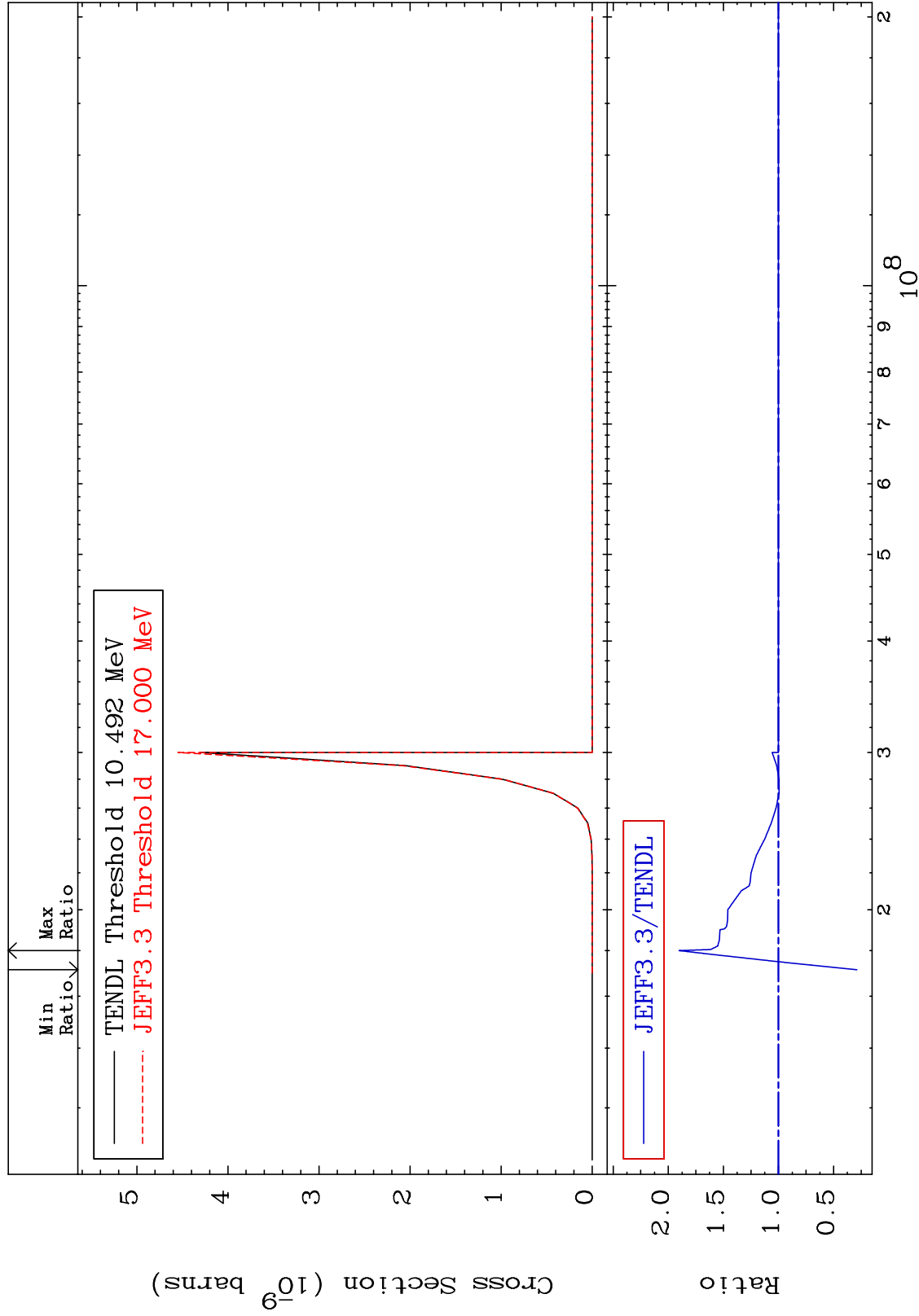
106

78-Pt-193

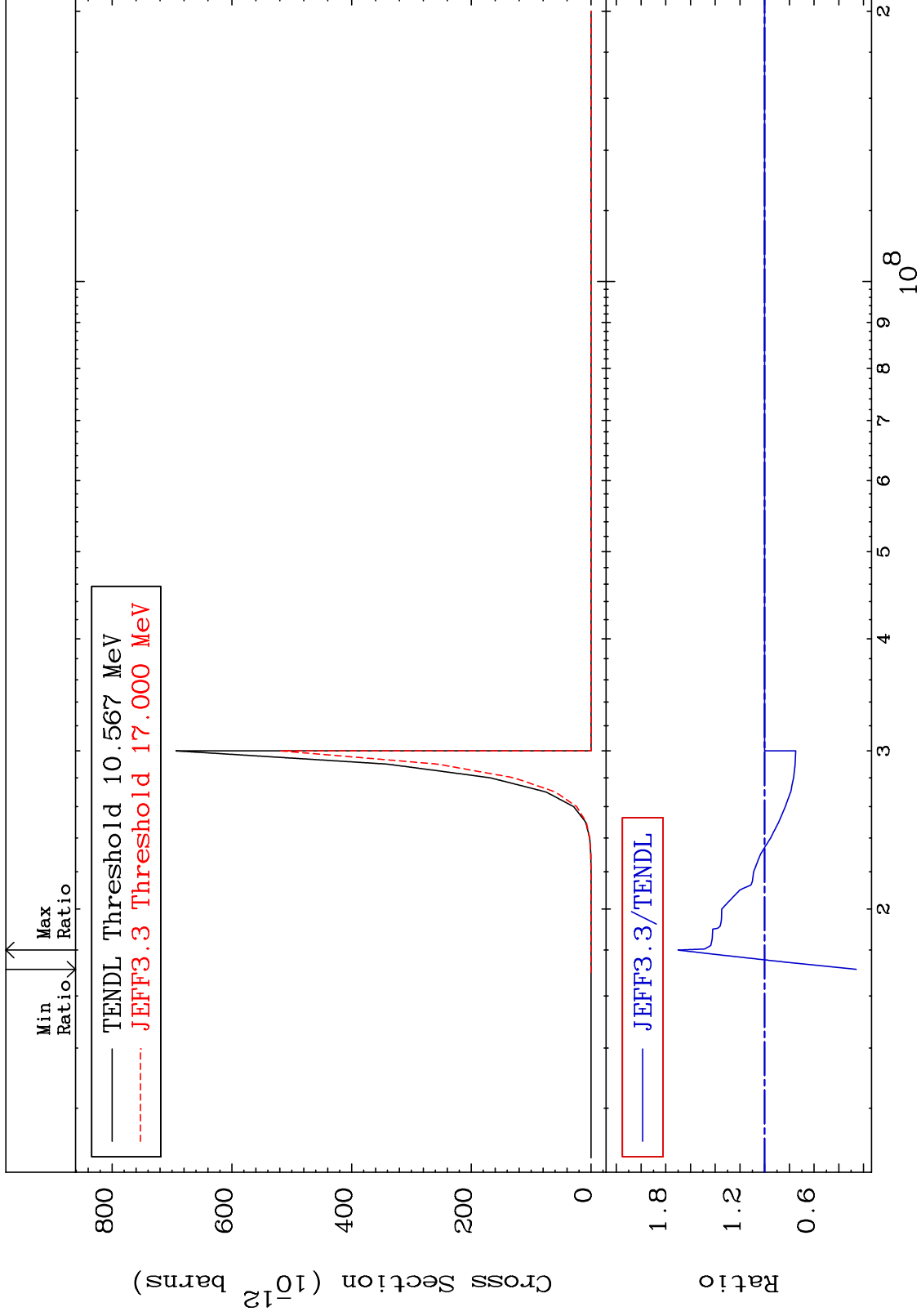
78-Pt-193

Radionuclide Production Cross Section 0.000 To 76.33 %





Radionuclide Production Cross Section -74.18 To 69.97 %



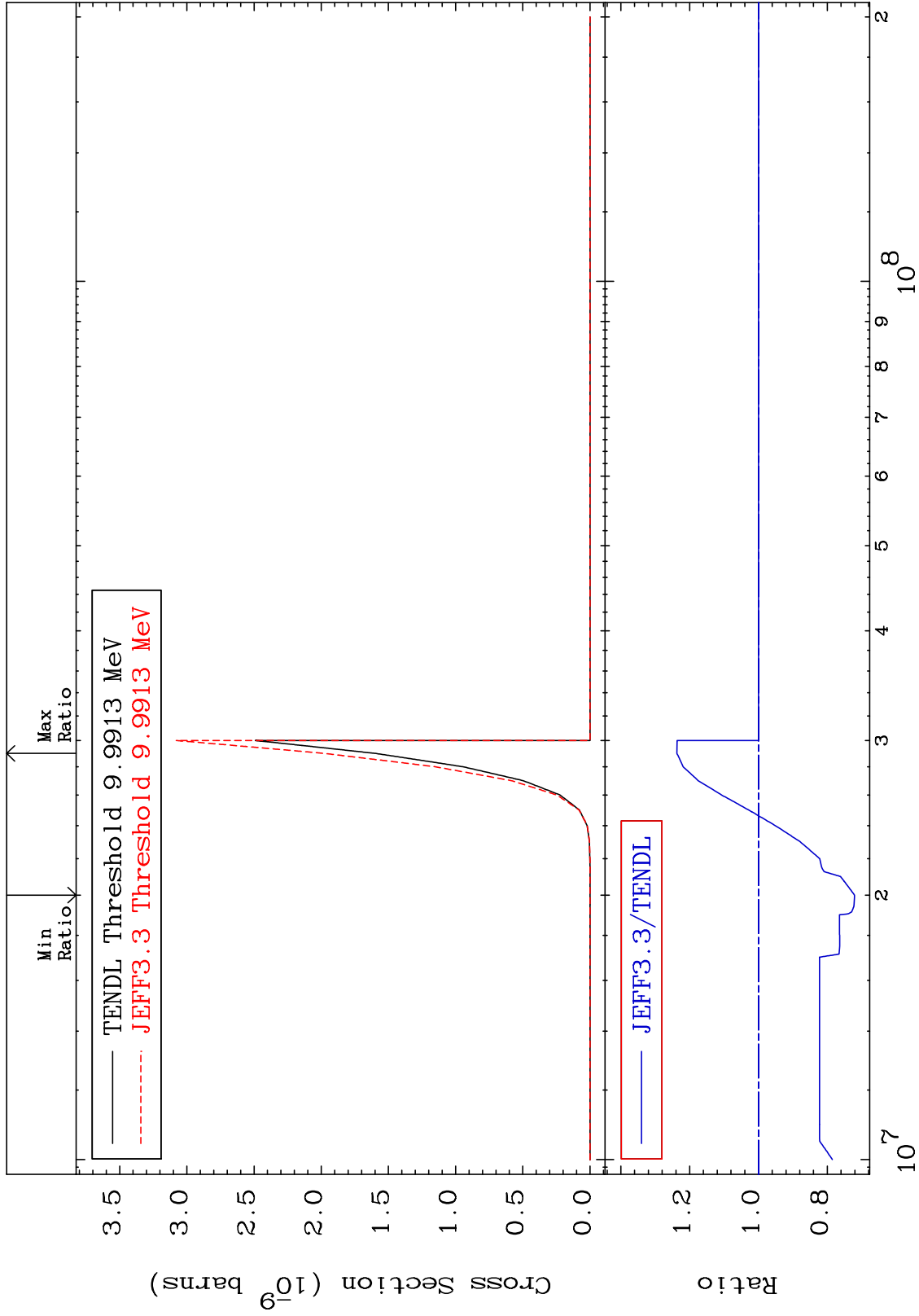
MAT 7834

(n, p) t:76-0s-190g

78-Pt-193

Radionuclide Production Cross Section

-27.91 To 23.70 %



78-Pt-193

Incident Energy (eV)

110