

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

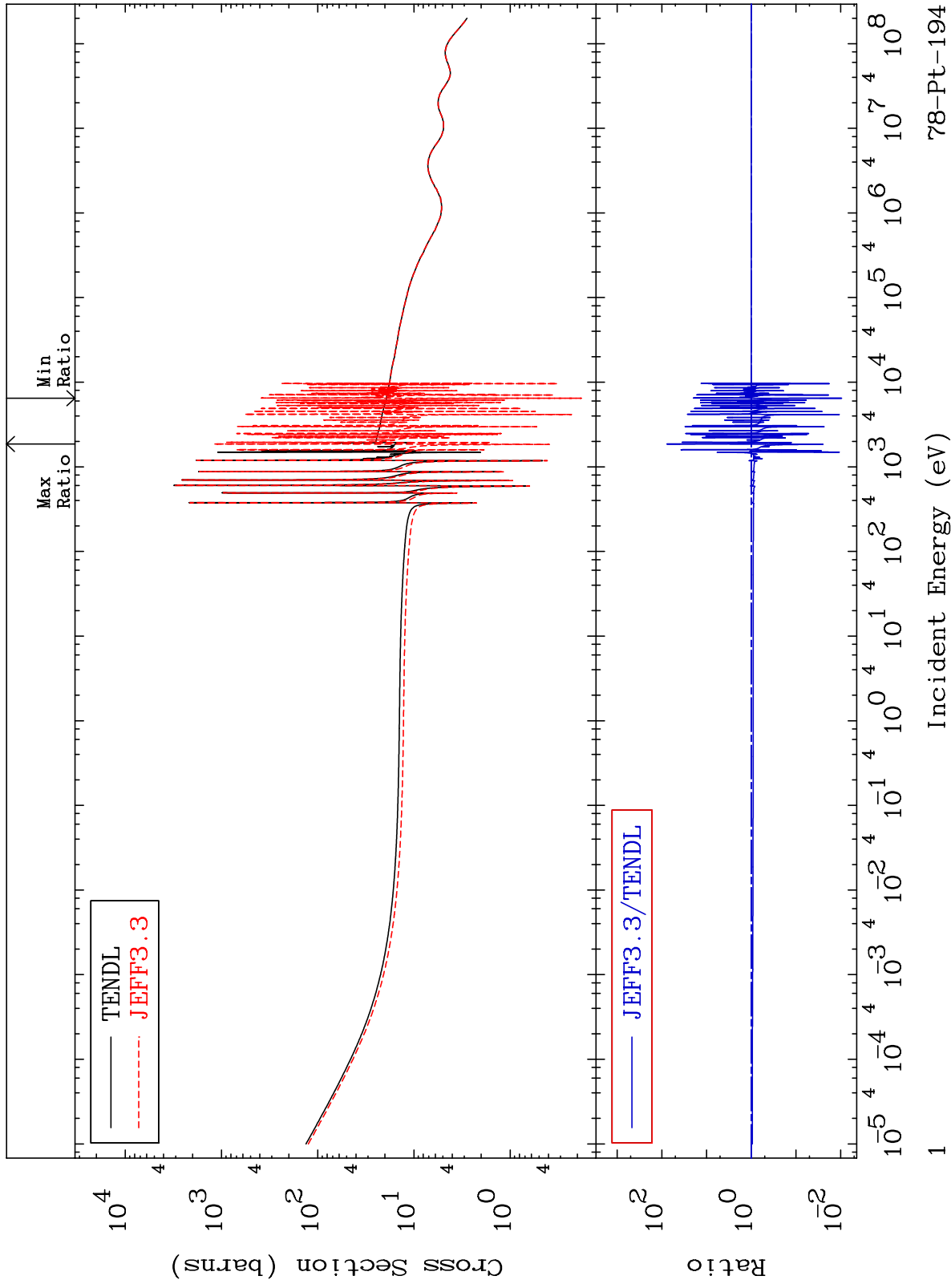
MAT 7837

Total

78-Pt-194

Cross Section

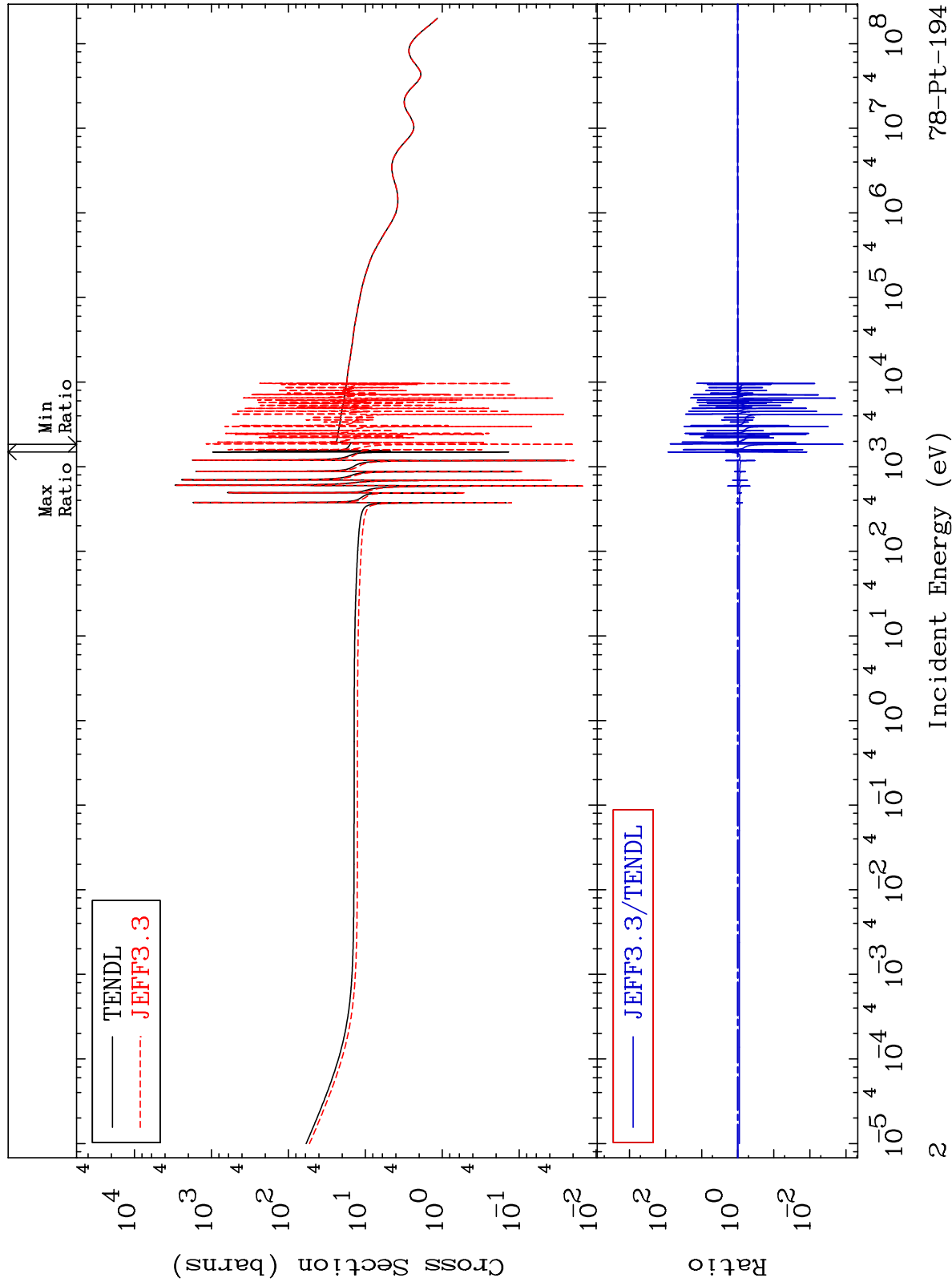
-99.06 To 7628. %



MAT 7837

Elastic
Cross Section

78-Pt-194
-99.88 To 8428. %



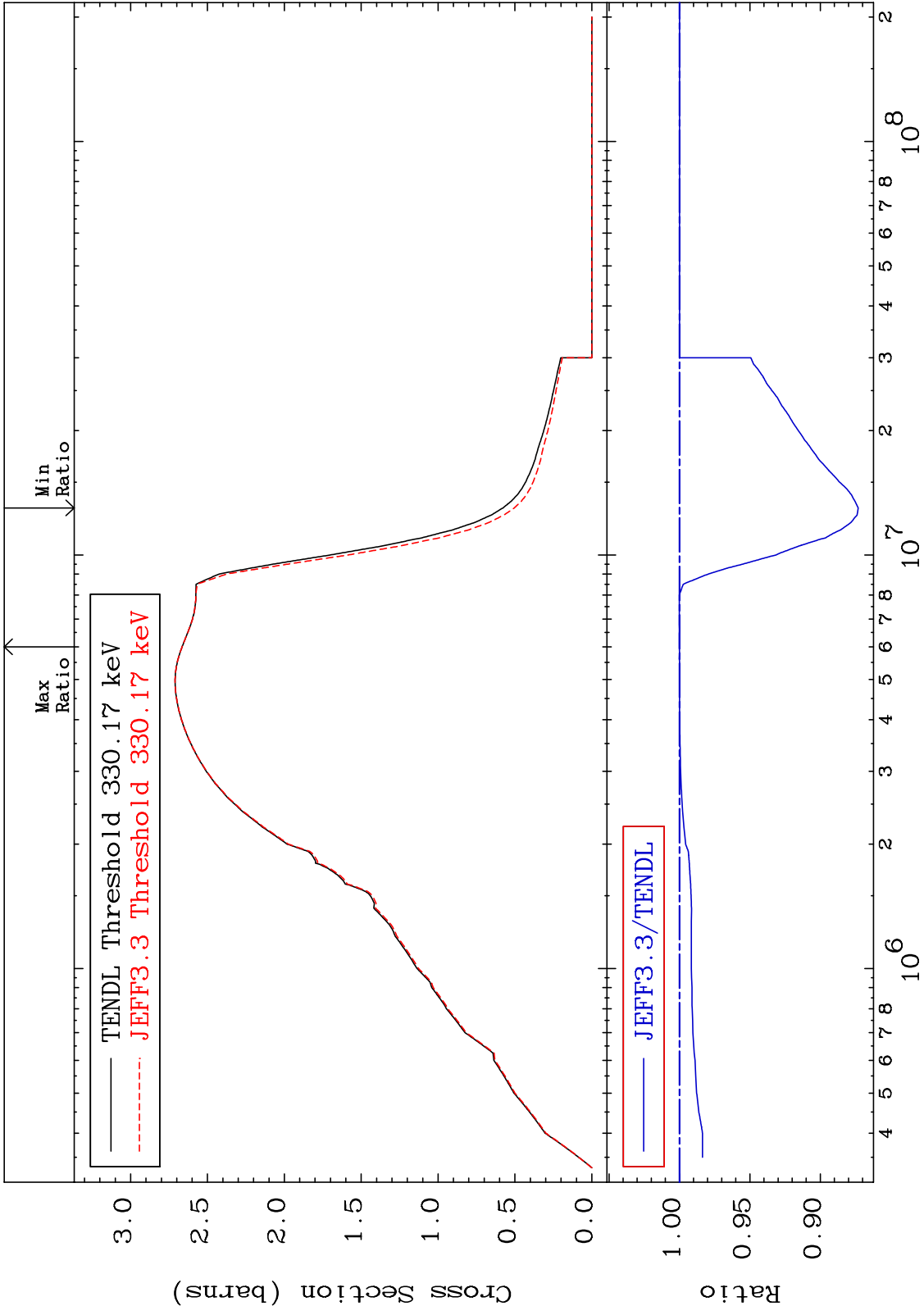
MAT 7837

78-Pt-194

-12.69 To 0.005 %

Inelastic

Cross Section



78-Pt-194

Incident Energy (eV)

3

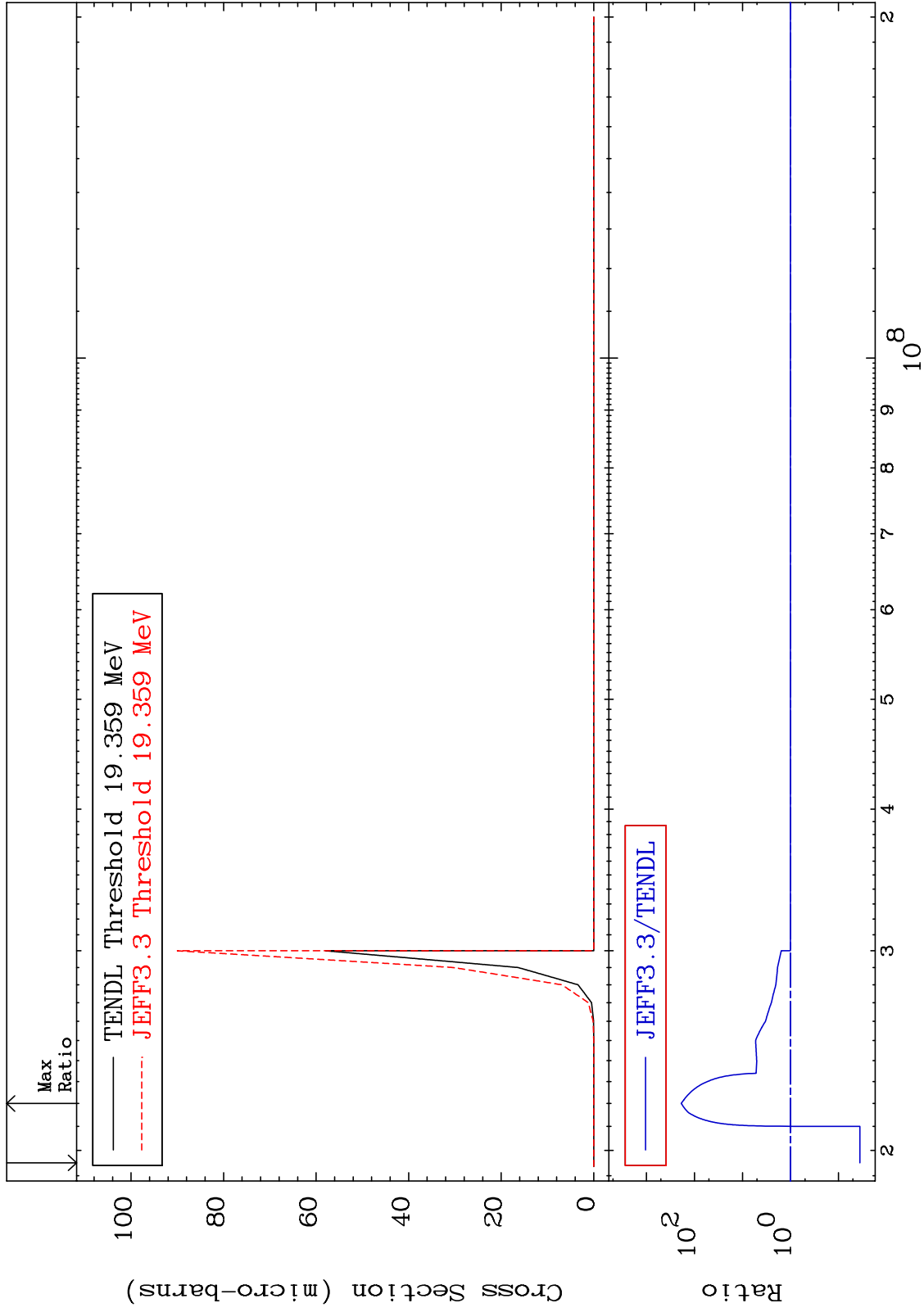
MAT 7837

(n,2n) d

78-Pt-194

Cross Section

-96.42 To 9999. %



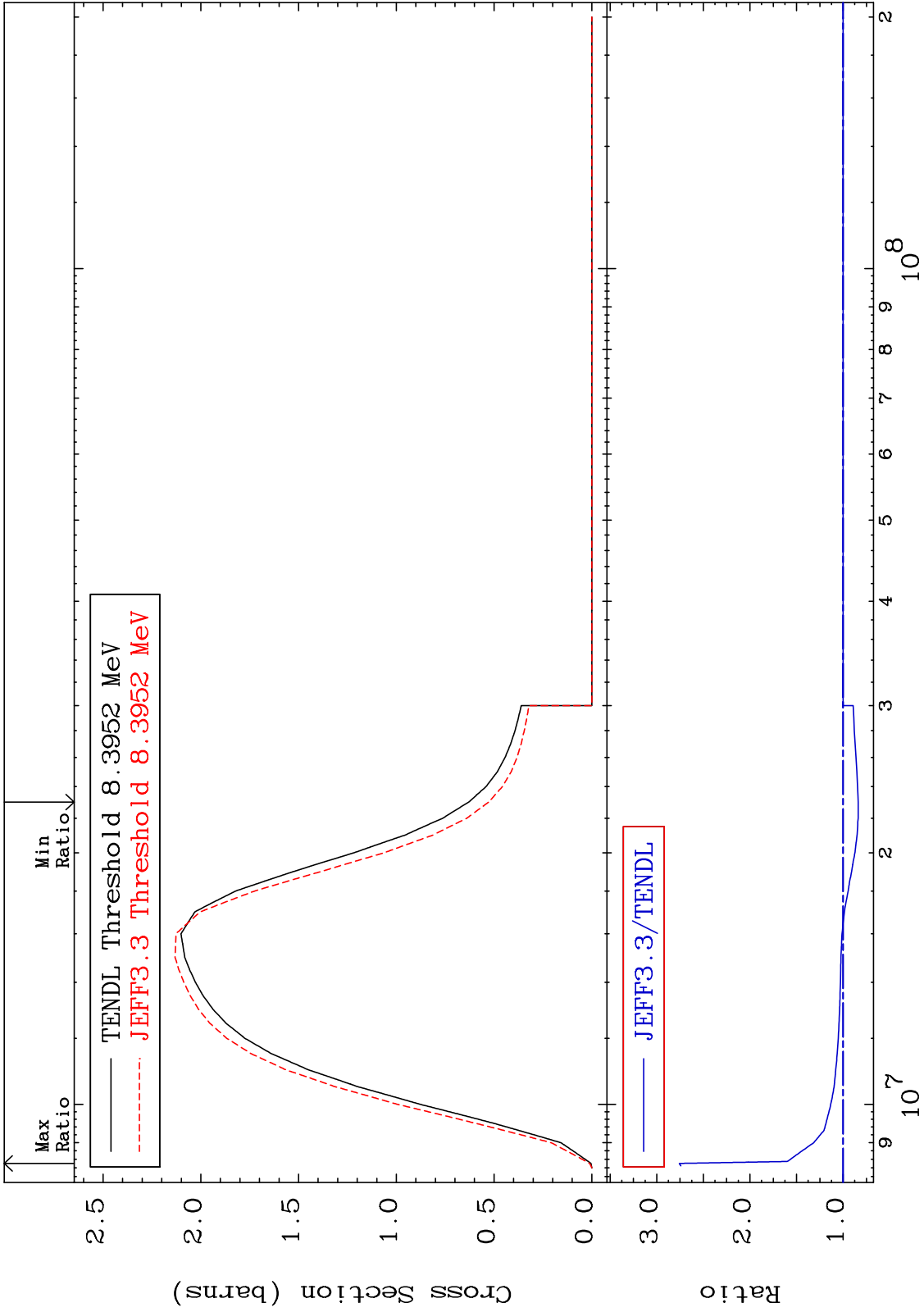
MAT 7837

(n, 2n)

78-Pt-194

Cross Section

-16.20 To 175.7 %



5

Incident Energy (eV)

78-Pt-194

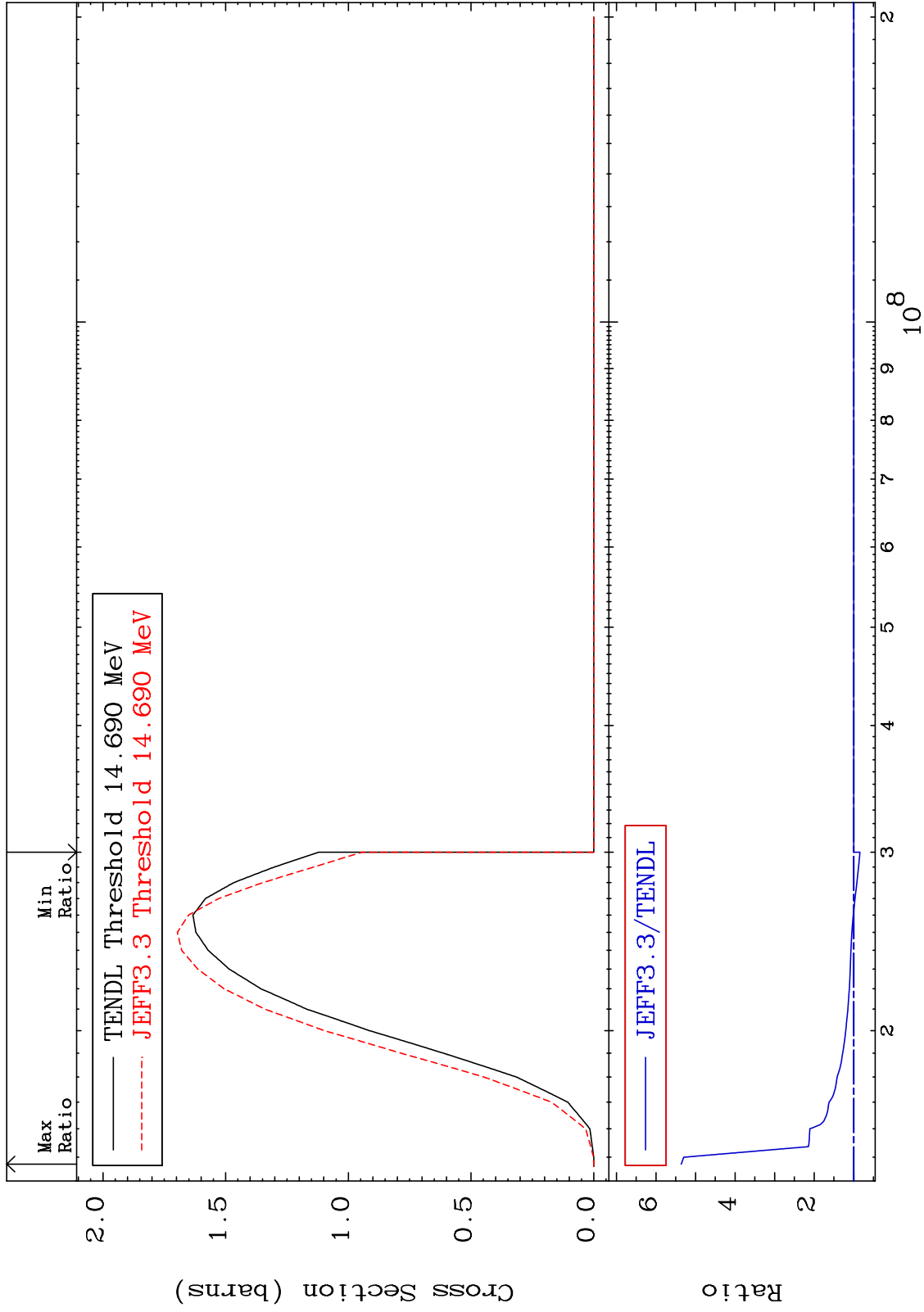
MAT 7837

(n, 3n)

⁷⁸Pt-194

Cross Section

-15.81 To 436.1 %



6

Incident Energy (eV)

⁷⁸Pt-194

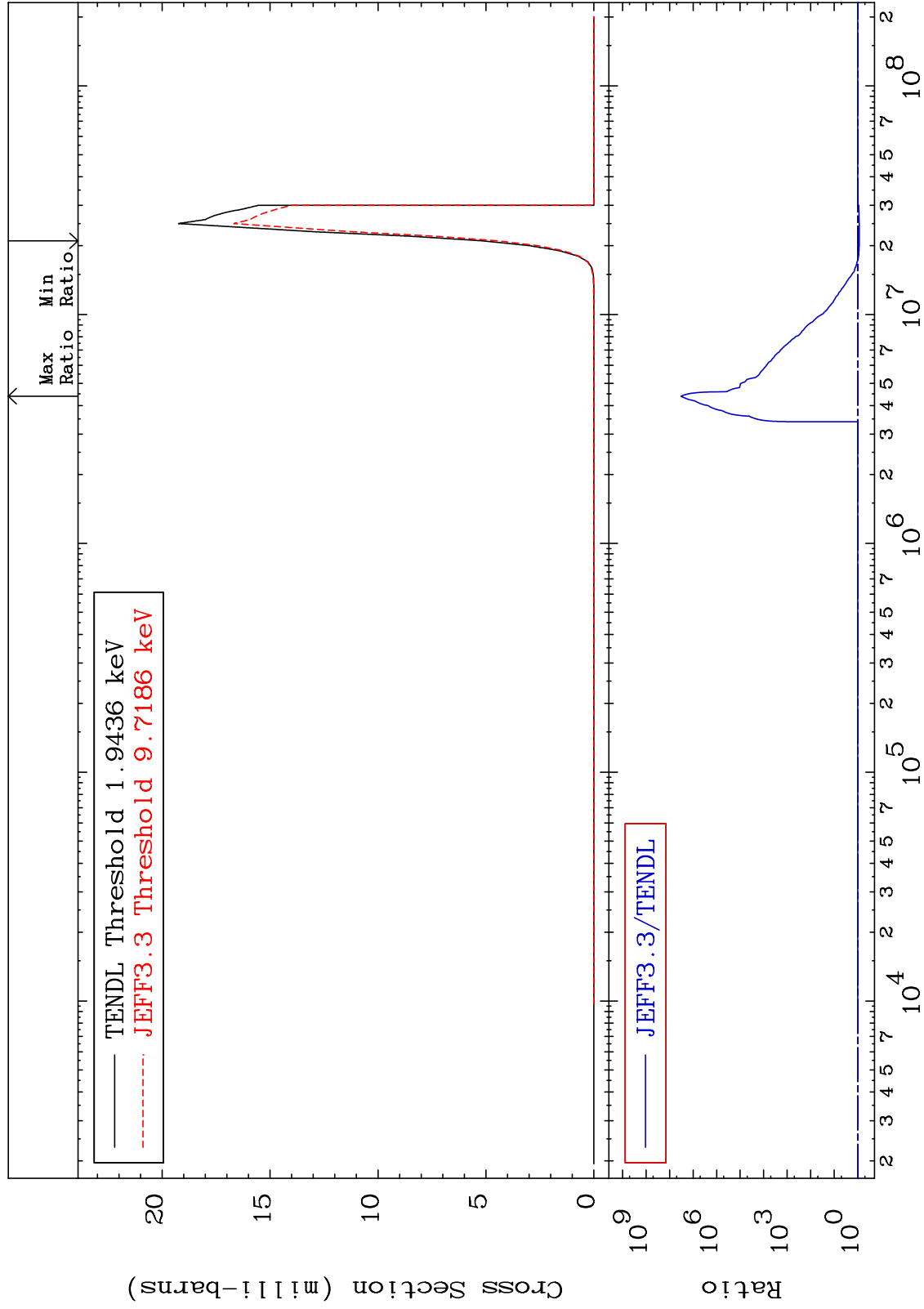
MAT 7837

(n, n') α

78-Pt-194

Cross Section

-13.84 To 9999. %



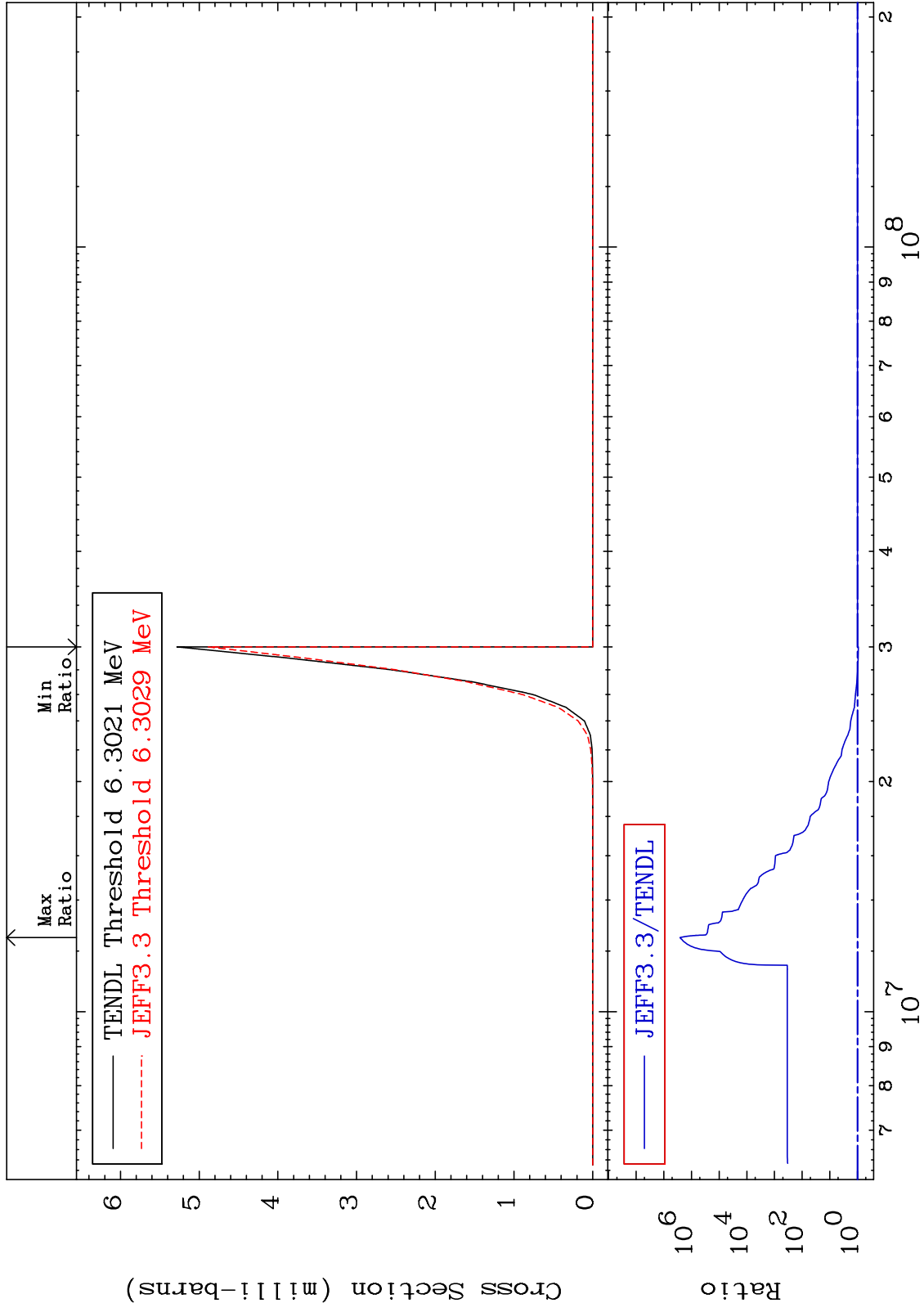
MAT 7837

(n,2n) α

78-Pt-194

-7.480 To 9999. %

Cross Section



8

78-Pt-194

78-Pt-194

MAT 7837

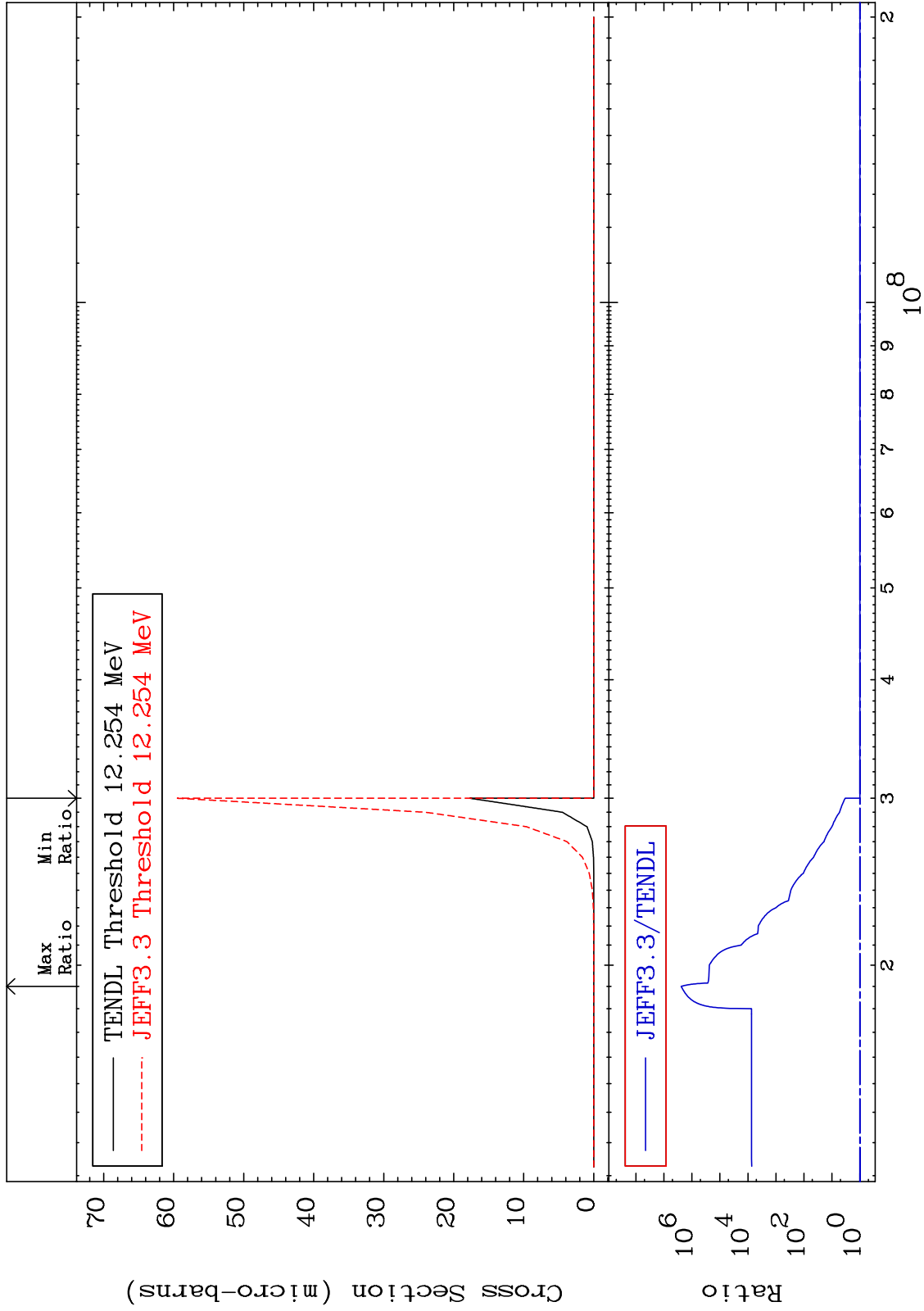
(n,3n) α

78-Pt-194

Cross Section

0.000

To 9999. %



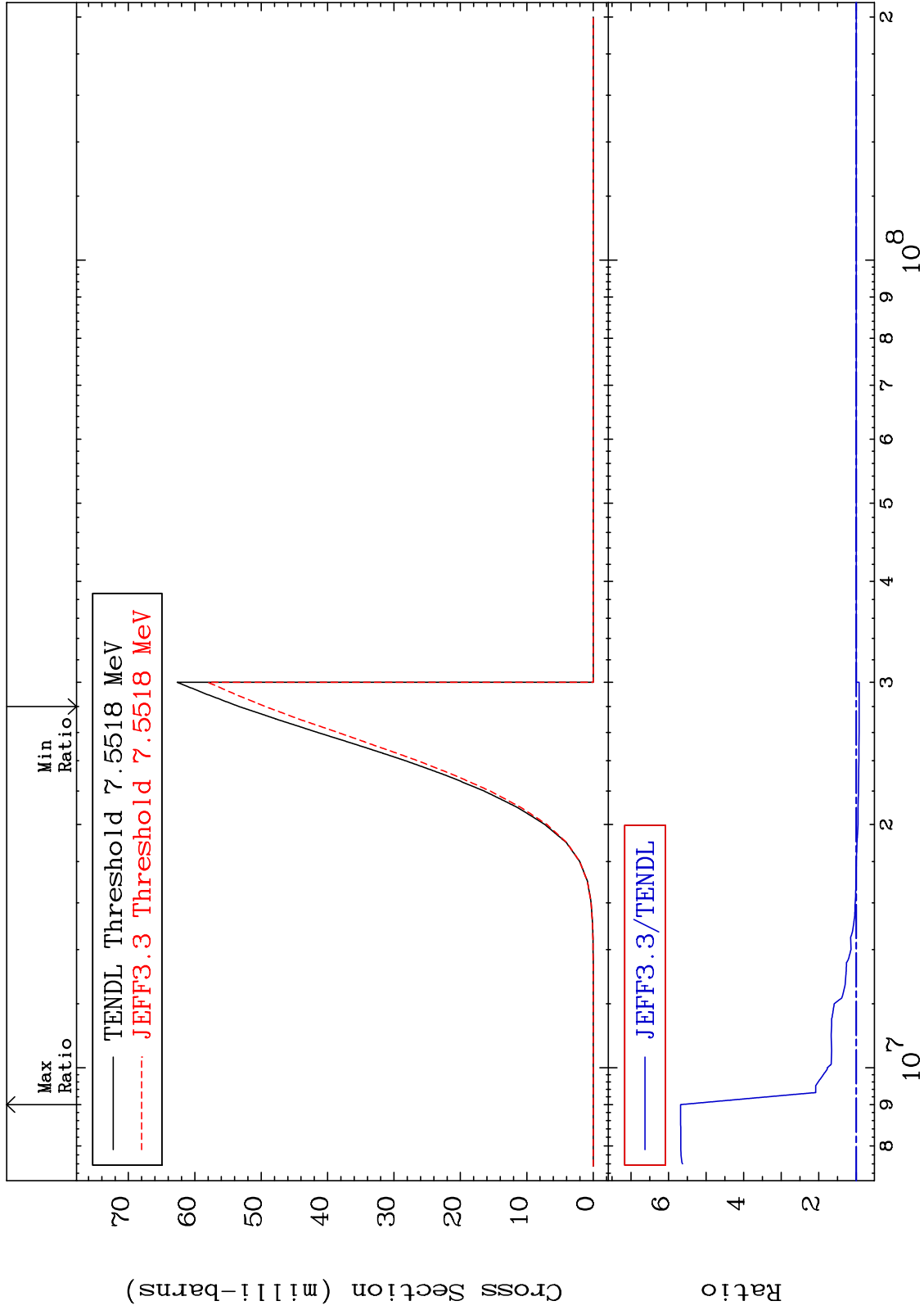
MAT 7837

(n,n') p

78-Pt-194

Cross Section

-7.421 To 467.7 %



10

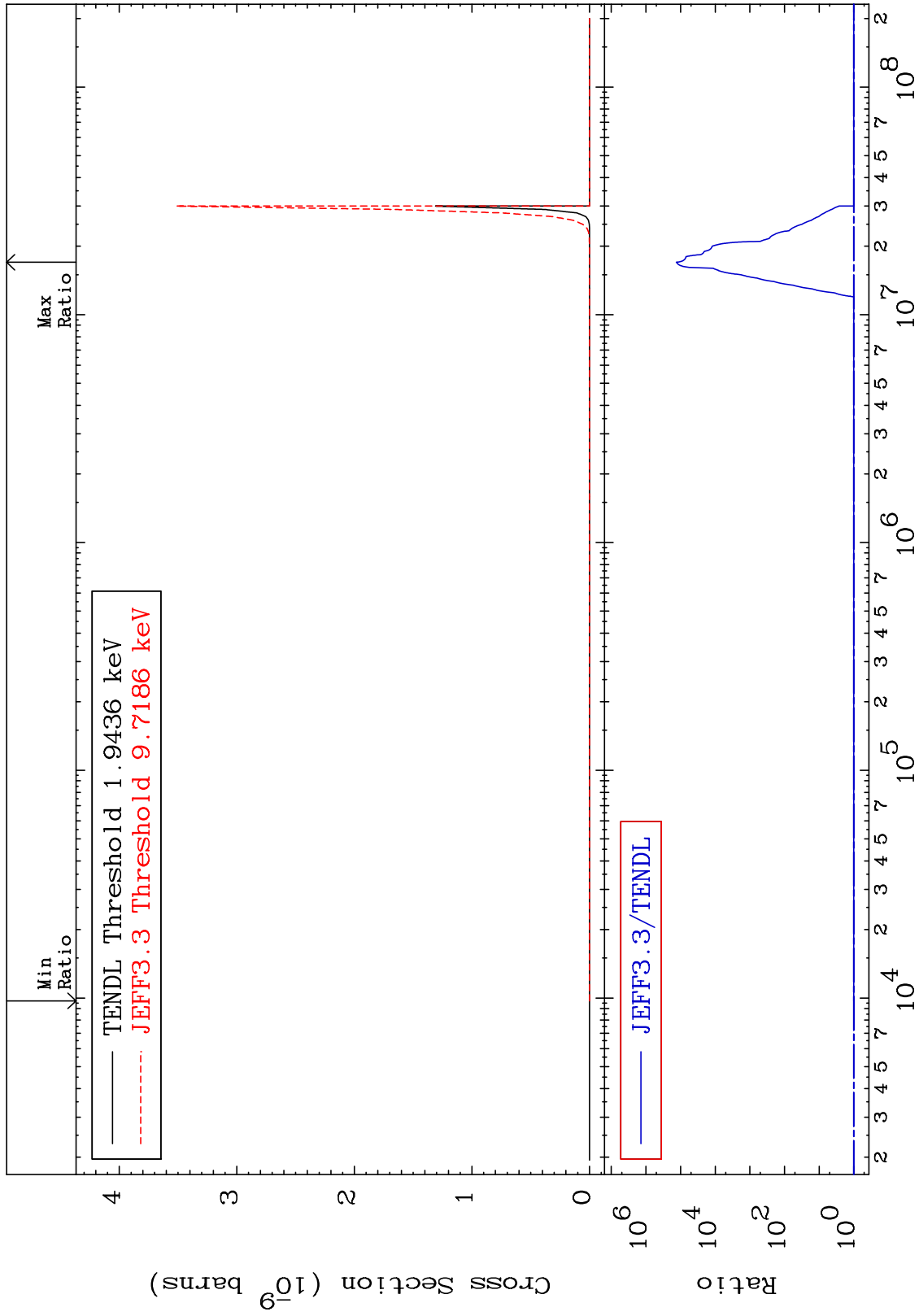
Incident Energy (eV)

78-Pt-194

MAT 7837

(n,n') 2α
Cross Section

78-Pt-194
To 9999. %



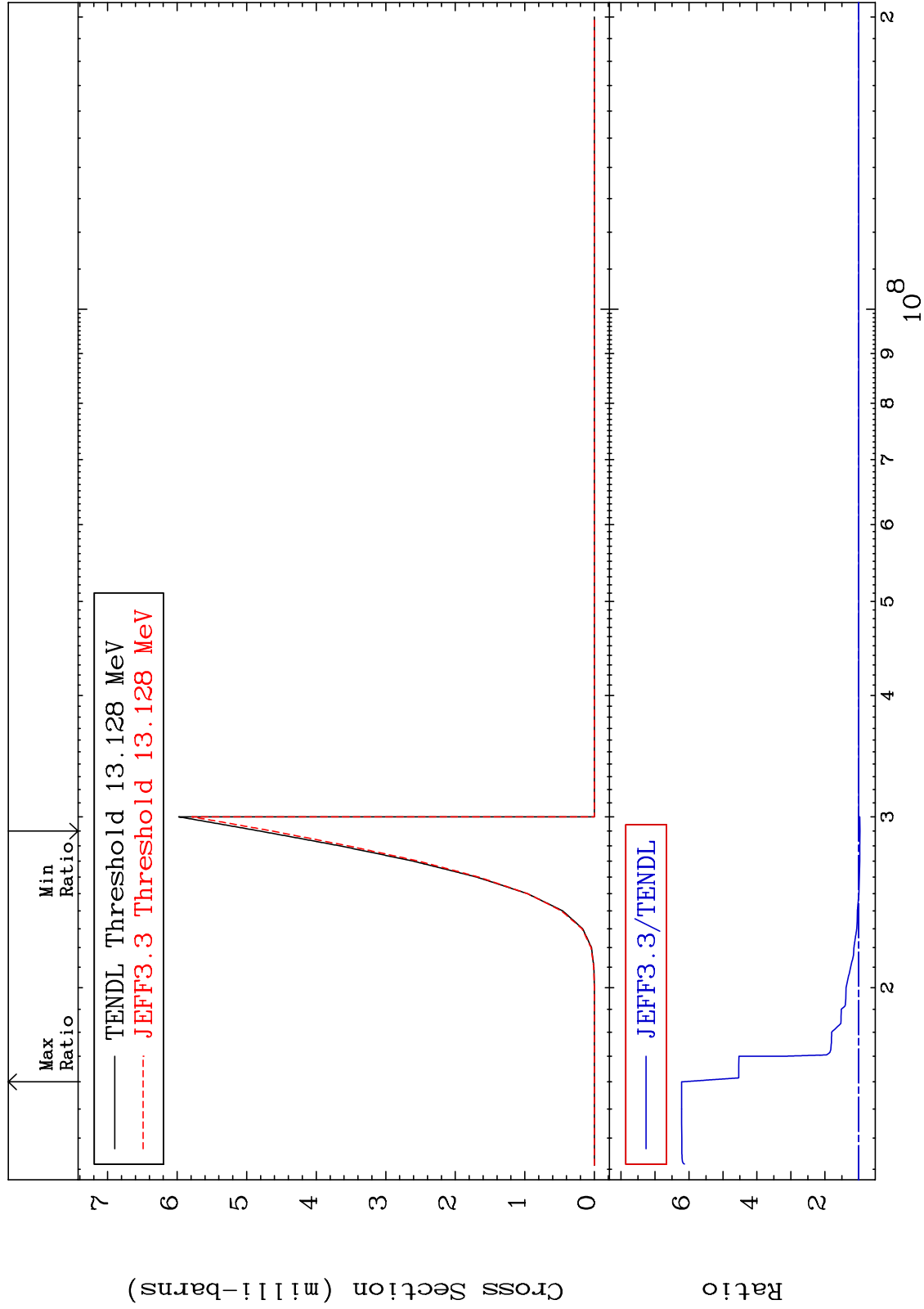
MAT 7837

(n, n') d

78-Pt-194

Cross Section

-3.726 To 521.5 %

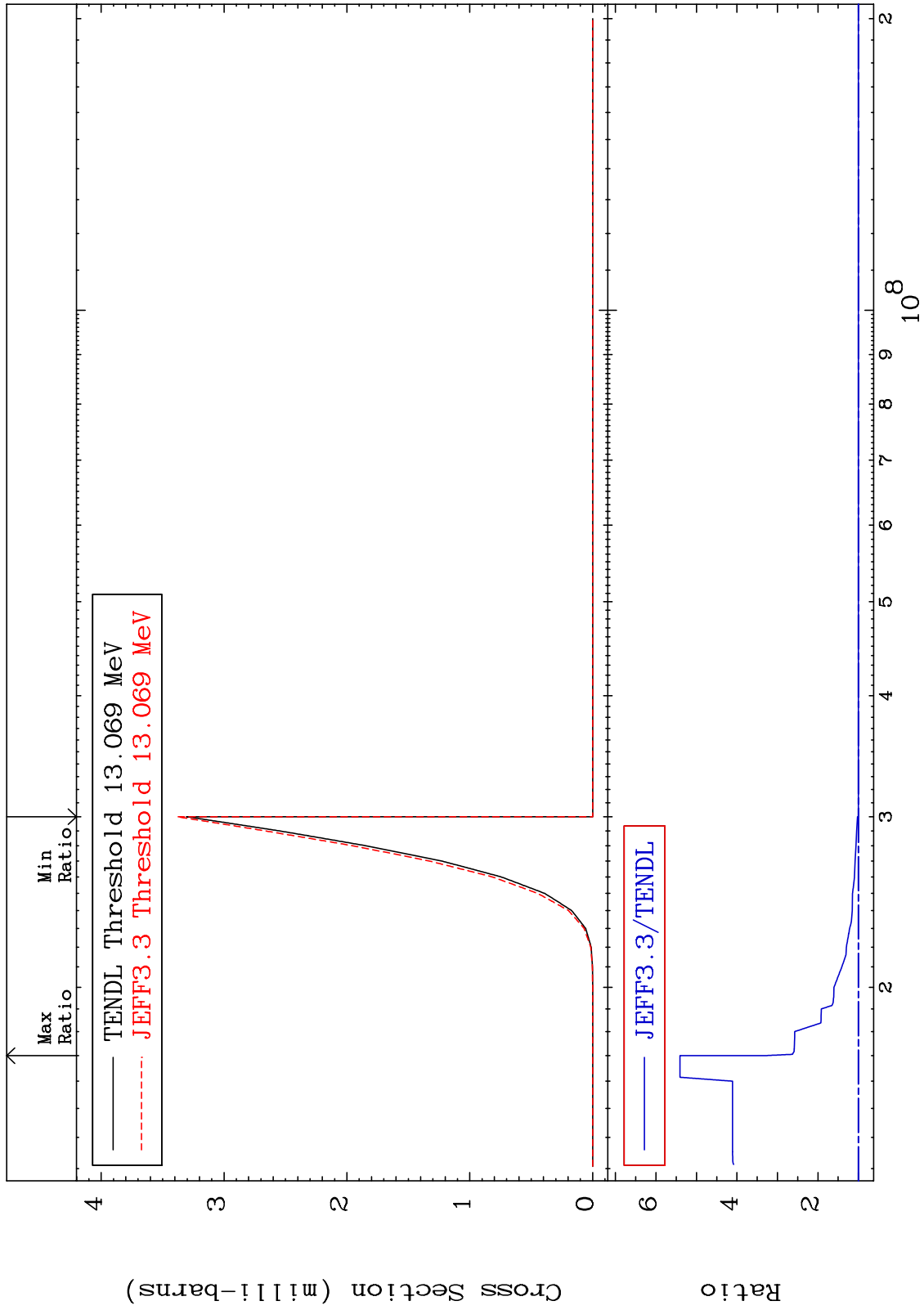


12

Incident Energy (eV)

78-Pt-194

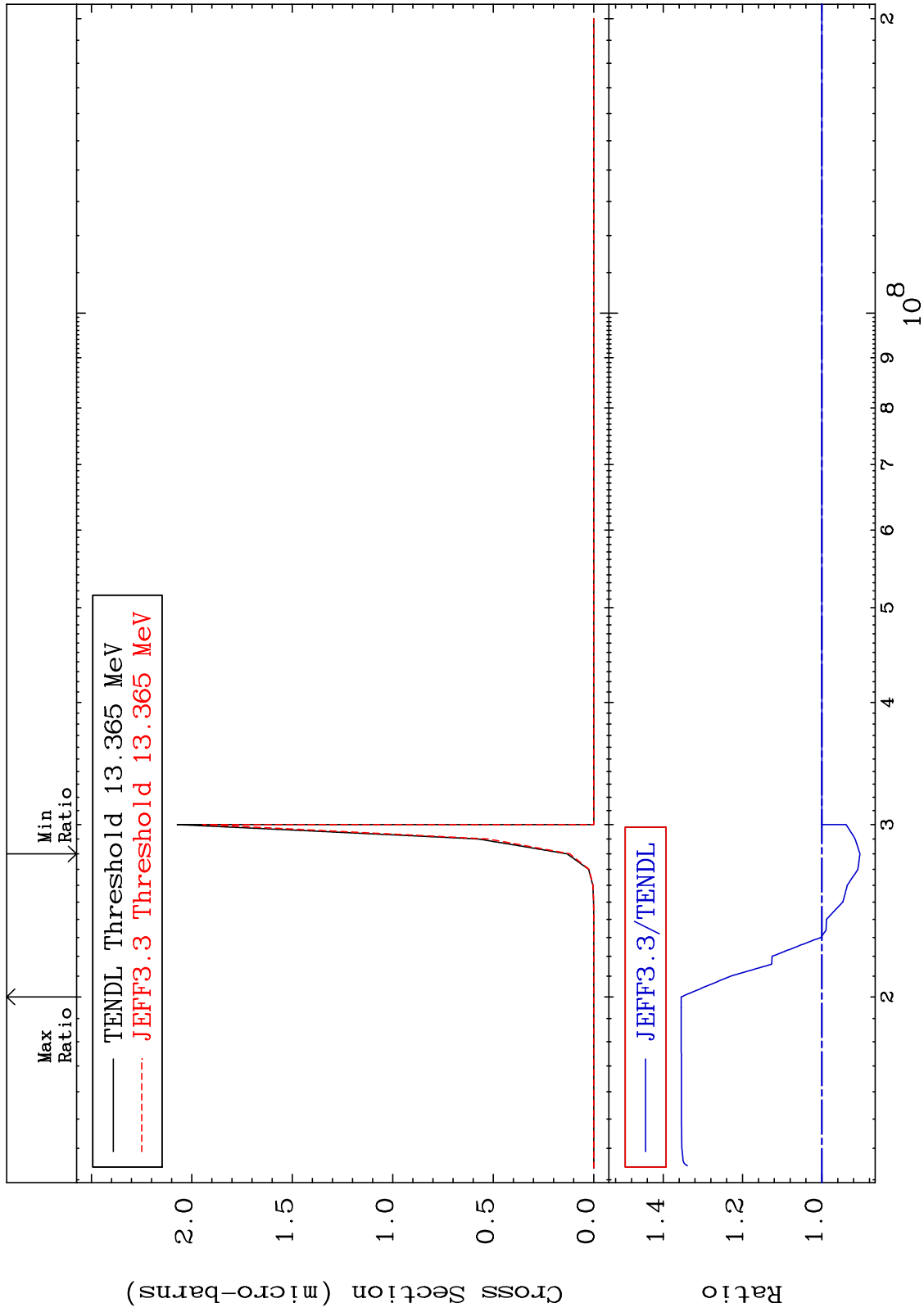
MAT 7837 $(n, n') t$ 78-Pt-194
 Cross Section 0.000 To 440.6 %



MAT 7837

(n, n') He-3
Cross Section

78-Pt-194
-9.604 To 35.46 %



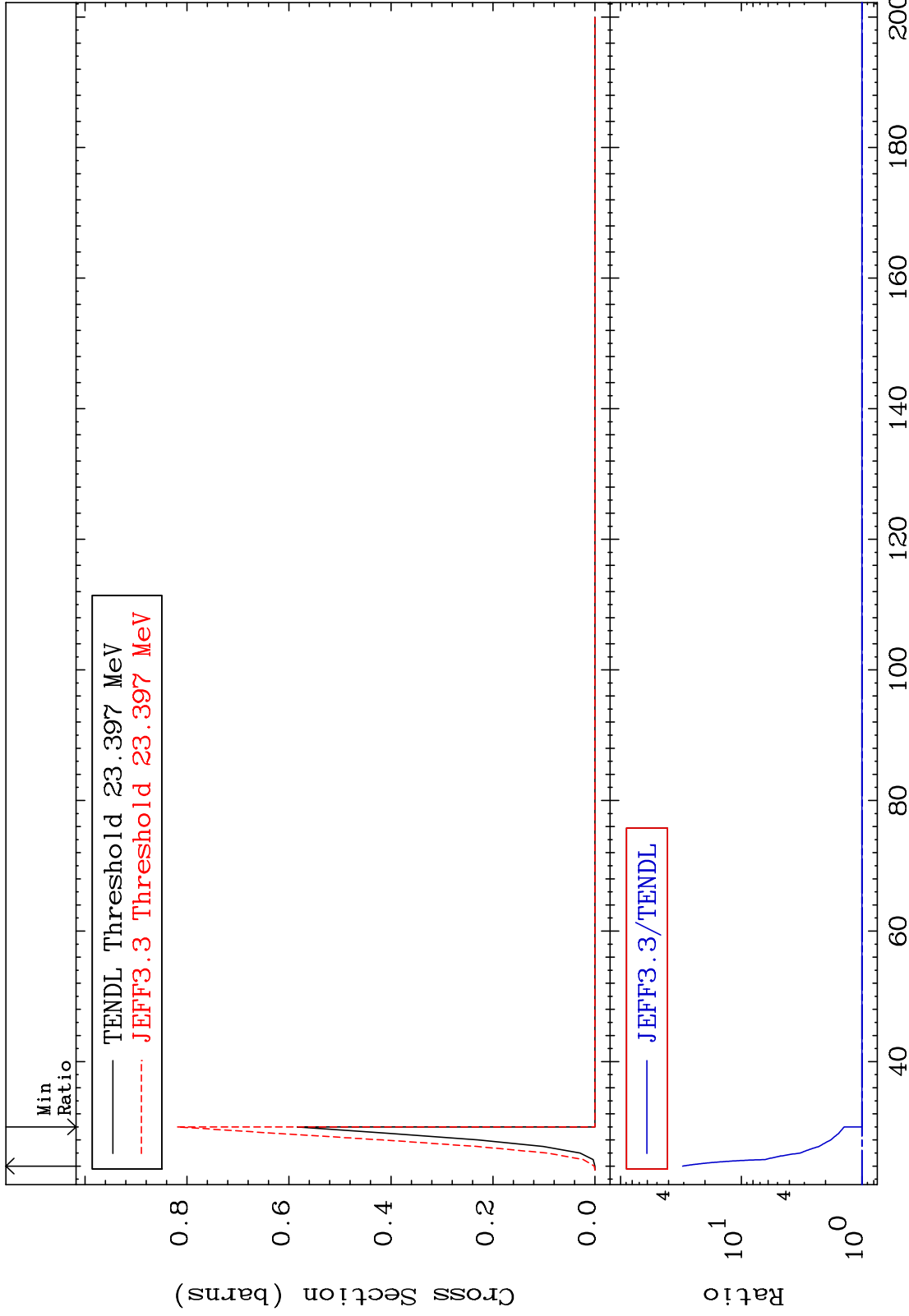
MAT 7837

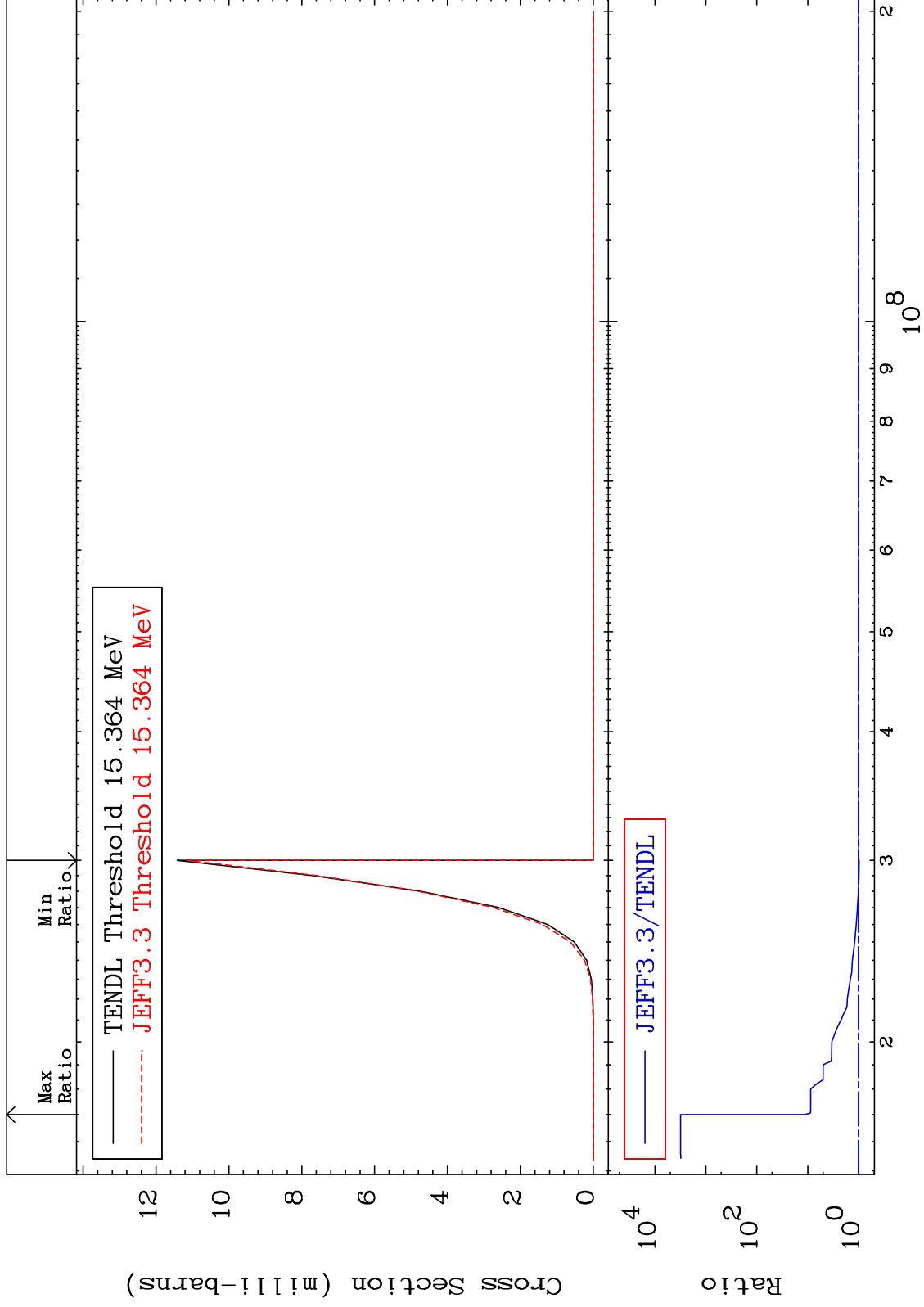
(n, 4n)

⁷⁸Pt-194

Cross Section

0.000 To 2957. %

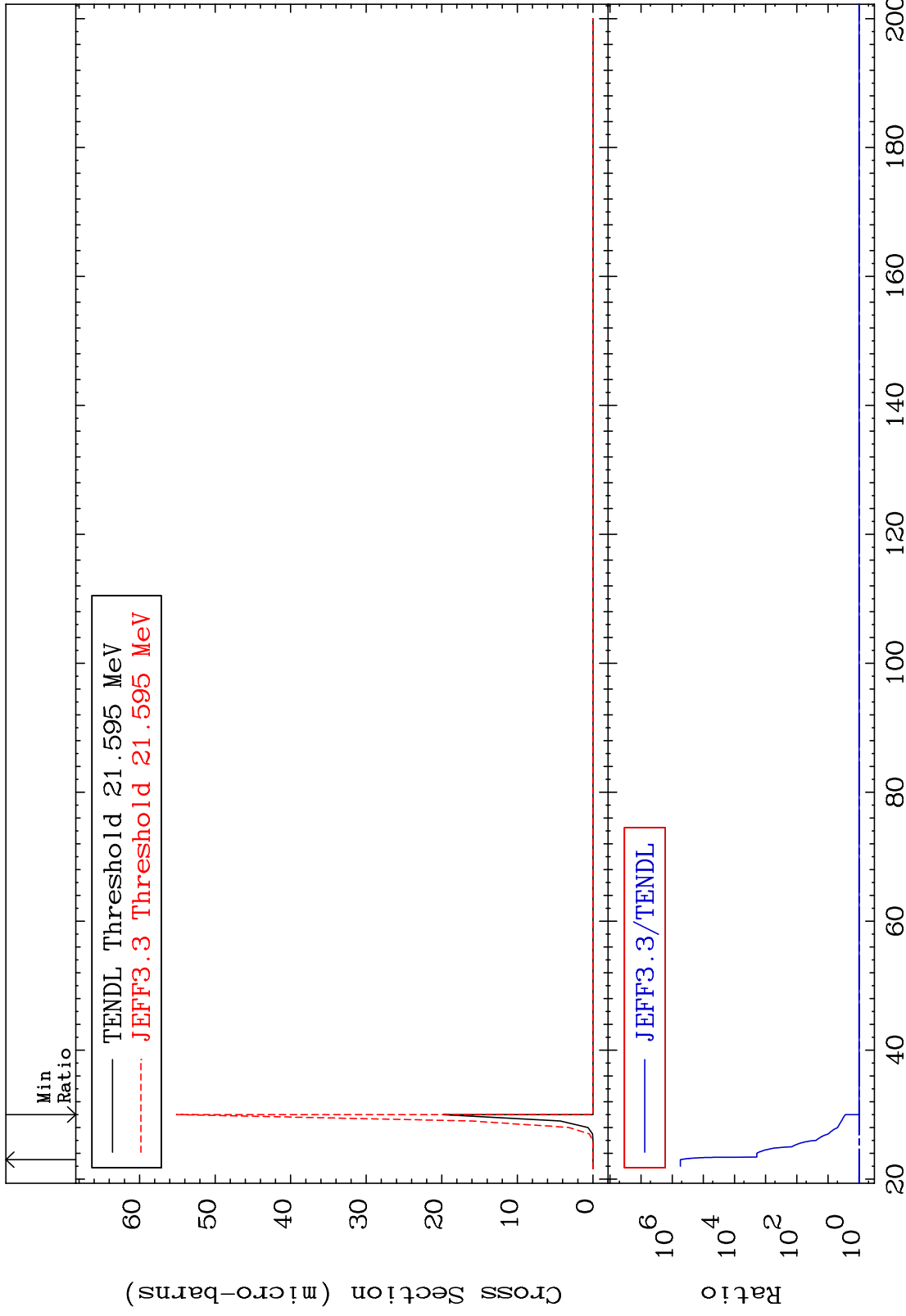




MAT 7837

(n,3n) p
Cross Section

78-Pt-194
0.000 To 9999. %



Incident Energy (MeV)

17

78-Pt-194

MAT 7837

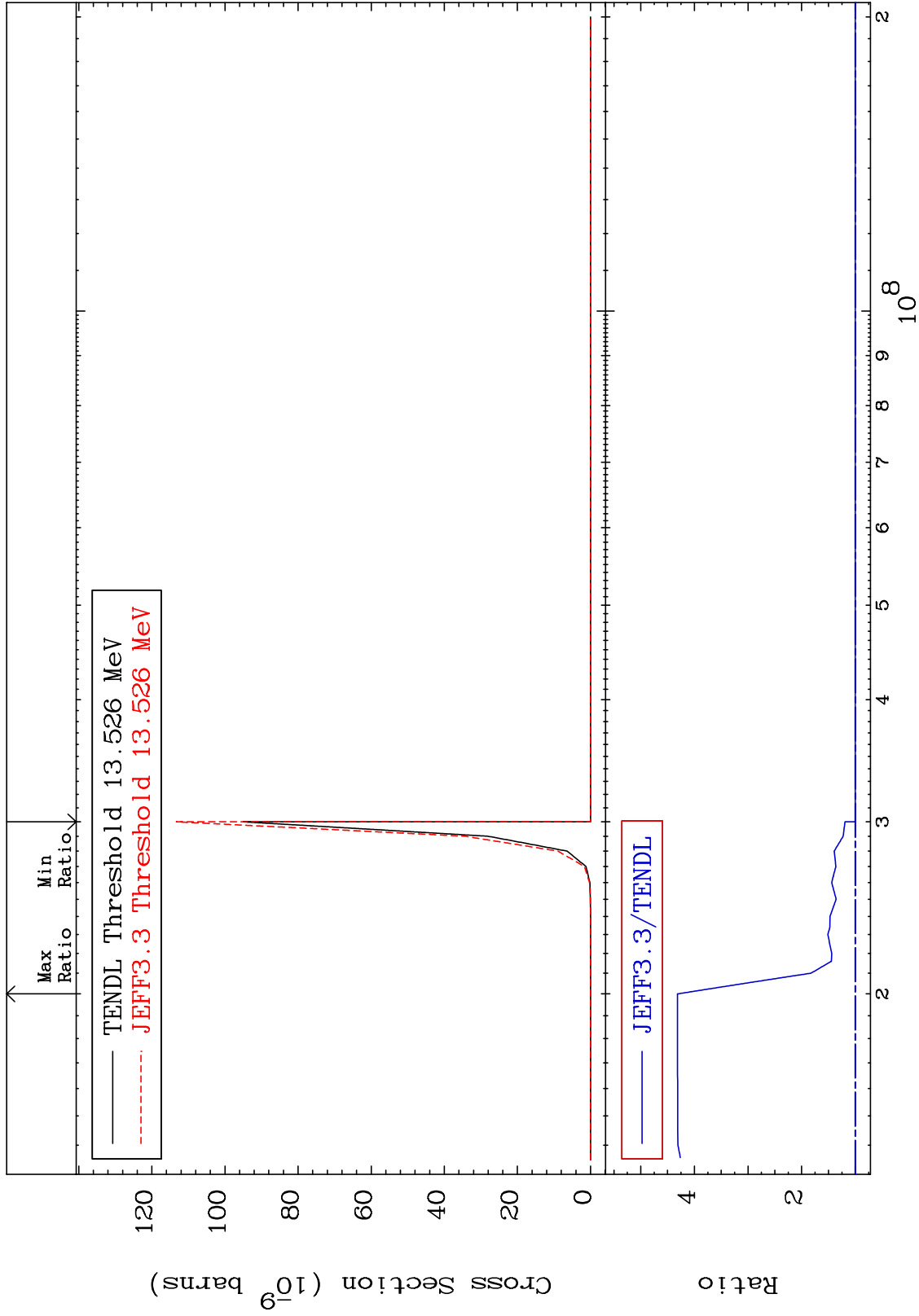
(n,2n) p

78-Pt-194

Cross Section

0.000

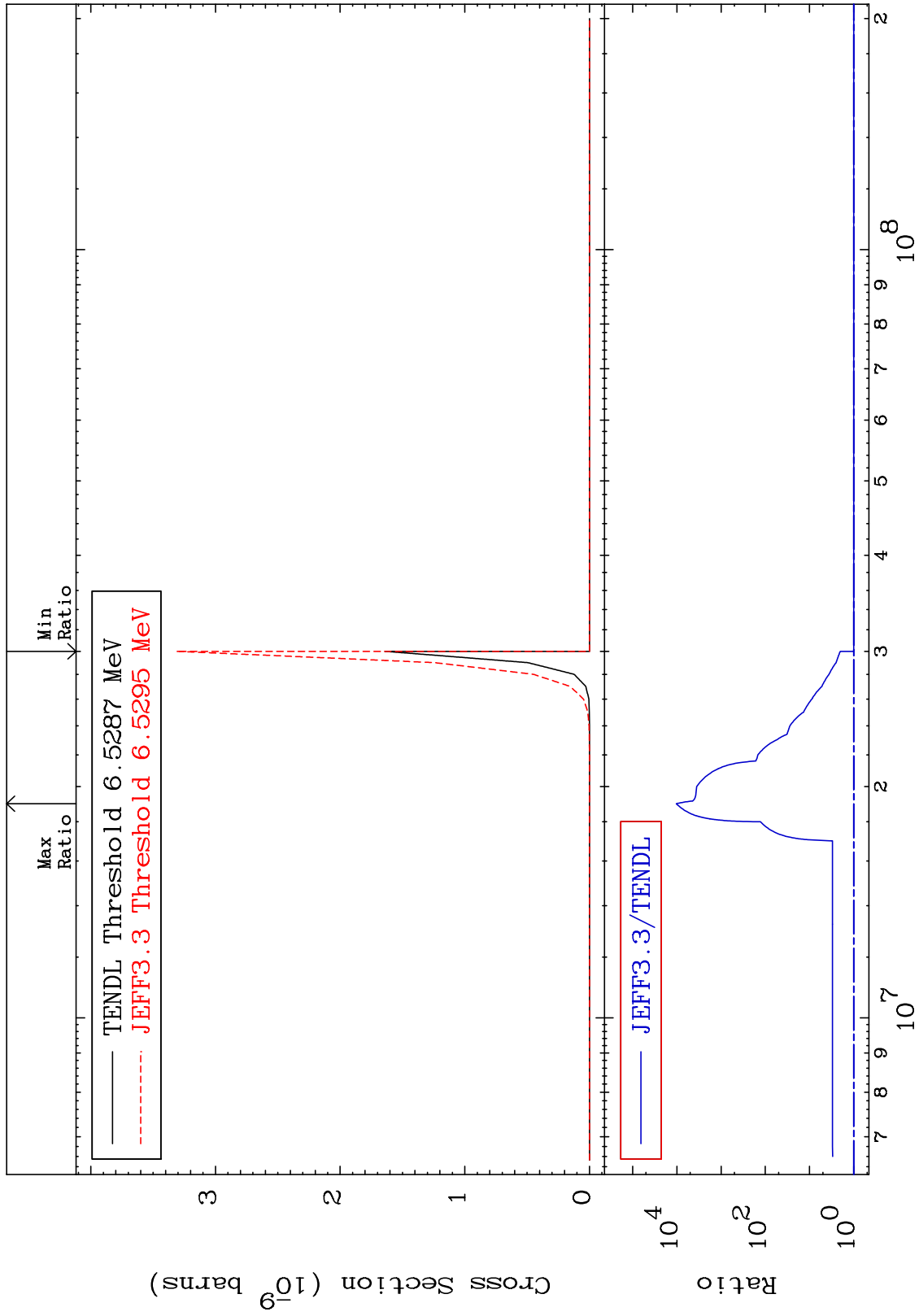
To 331.4 %



MAT 7837

(n,n') p α
Cross Section

78-Pt-194
0.000 To 9999. %



19

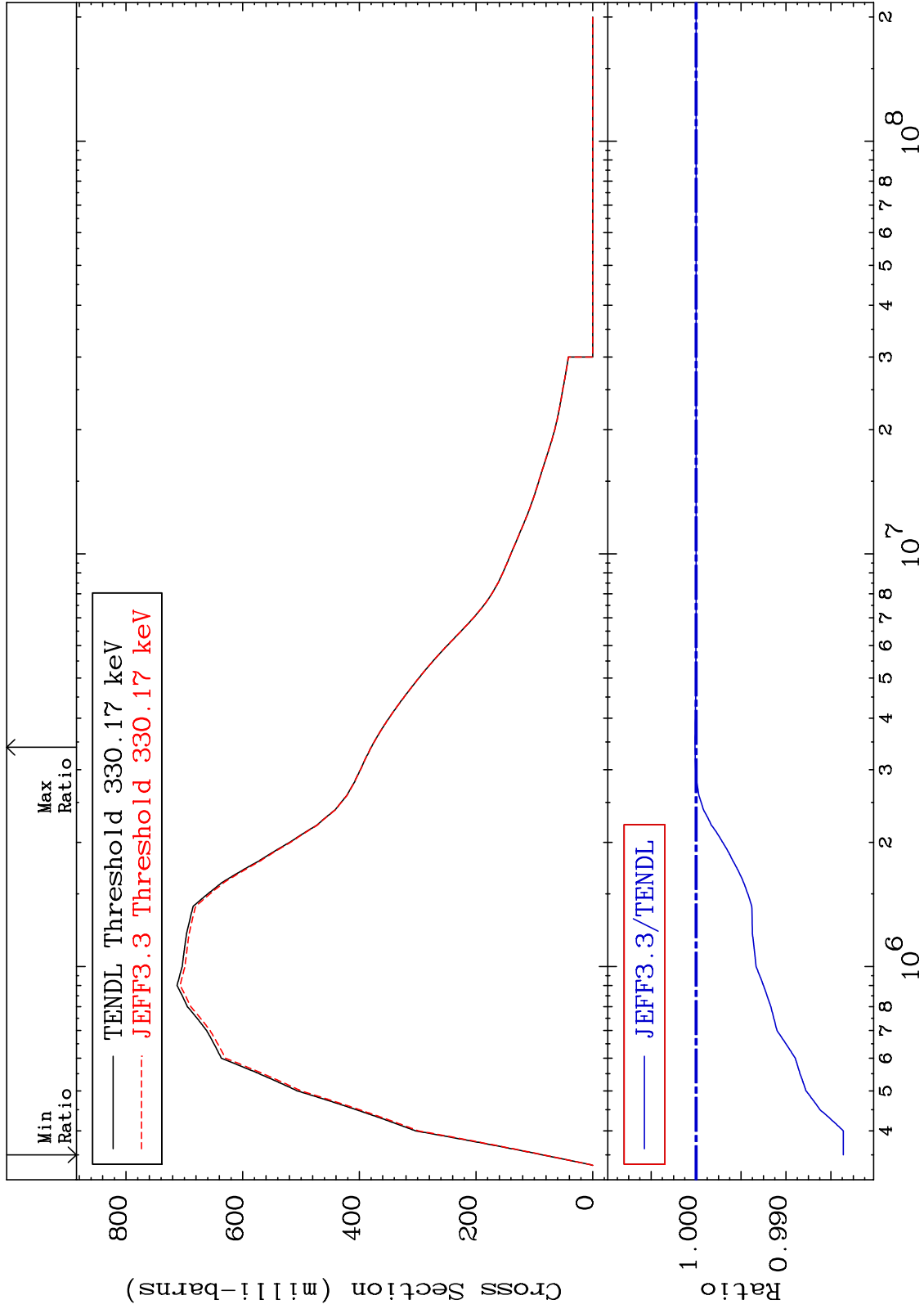
Incident Energy (eV)

78-Pt-194

MAT 7837

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

78-Pt-194
-1.638 To 0.011 %



20

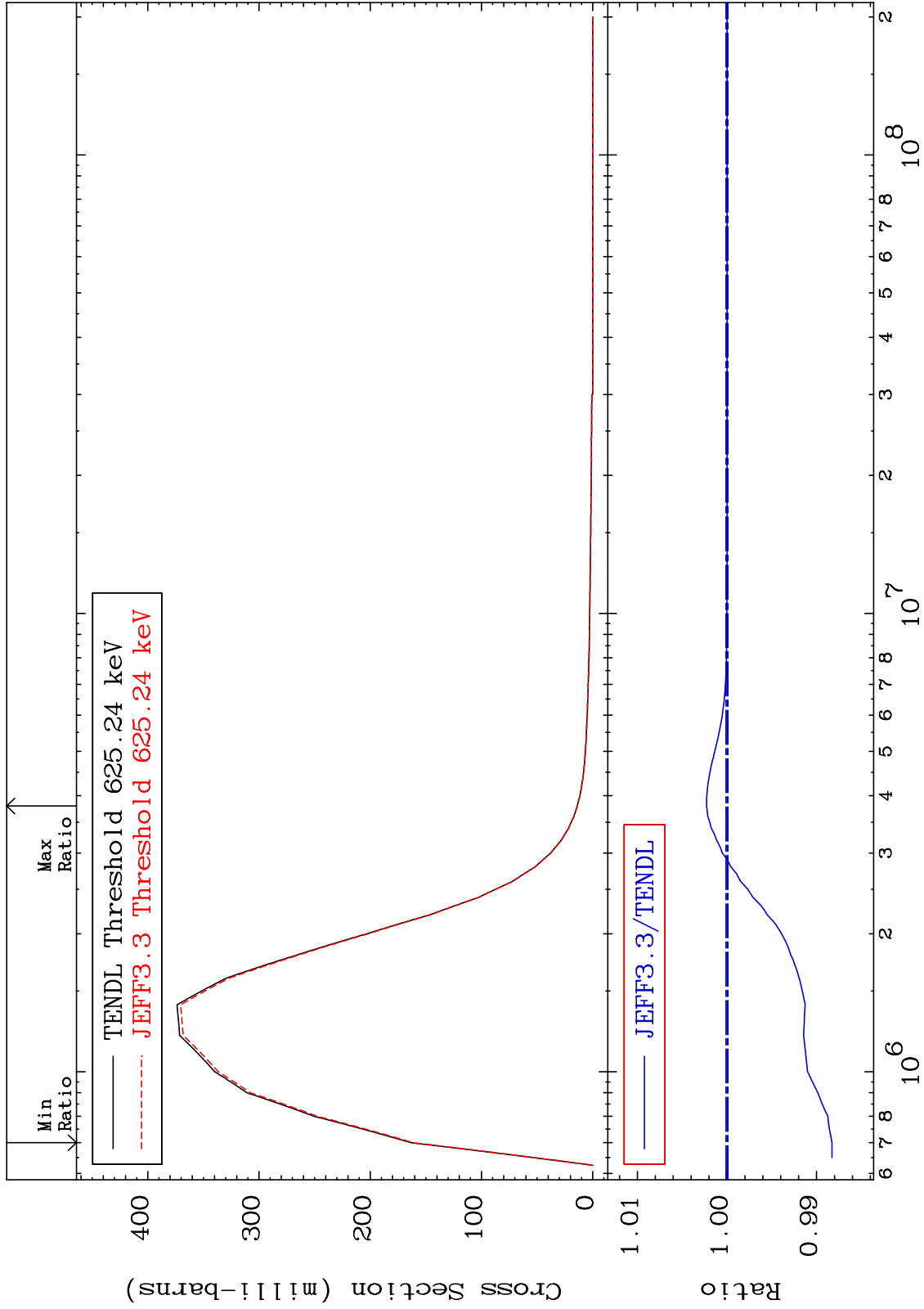
Incident Energy (eV)

78-Pt-194

MAT 7837

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

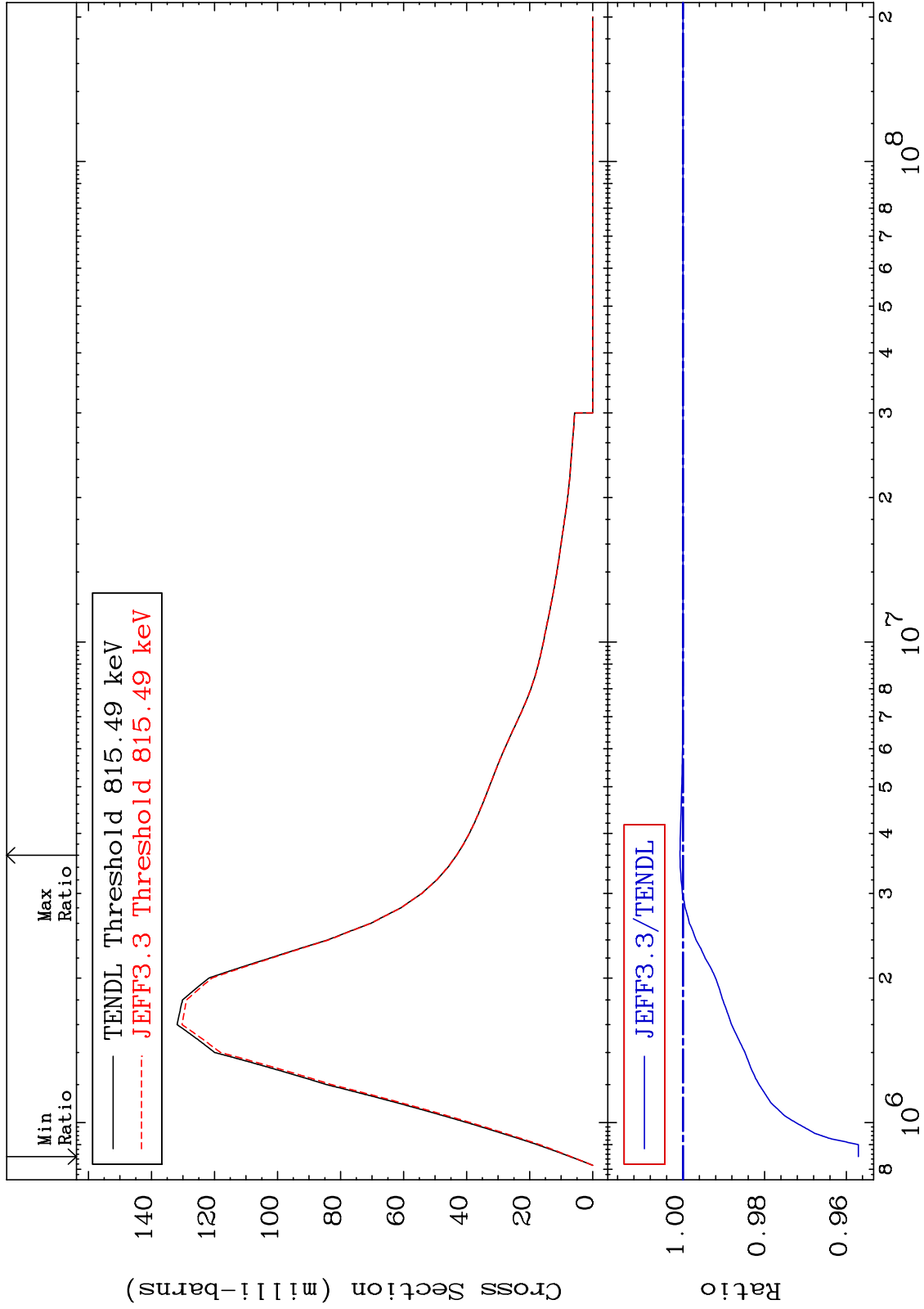
78-Pt-194
-1.172 To 0.229 %



MAT 7837

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

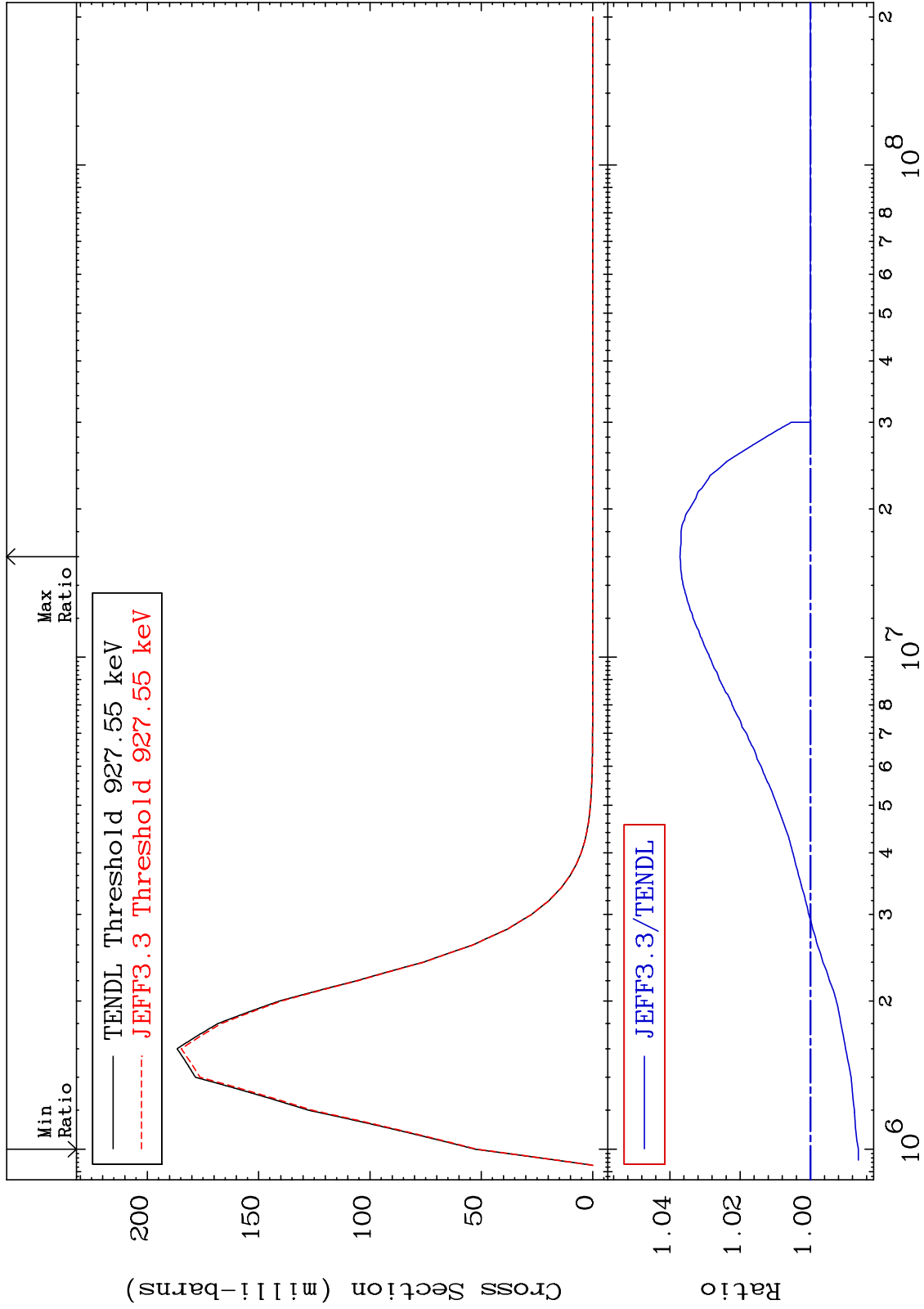
78-Pt-194
-4.297 To 0.072 %



MAT 7837

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

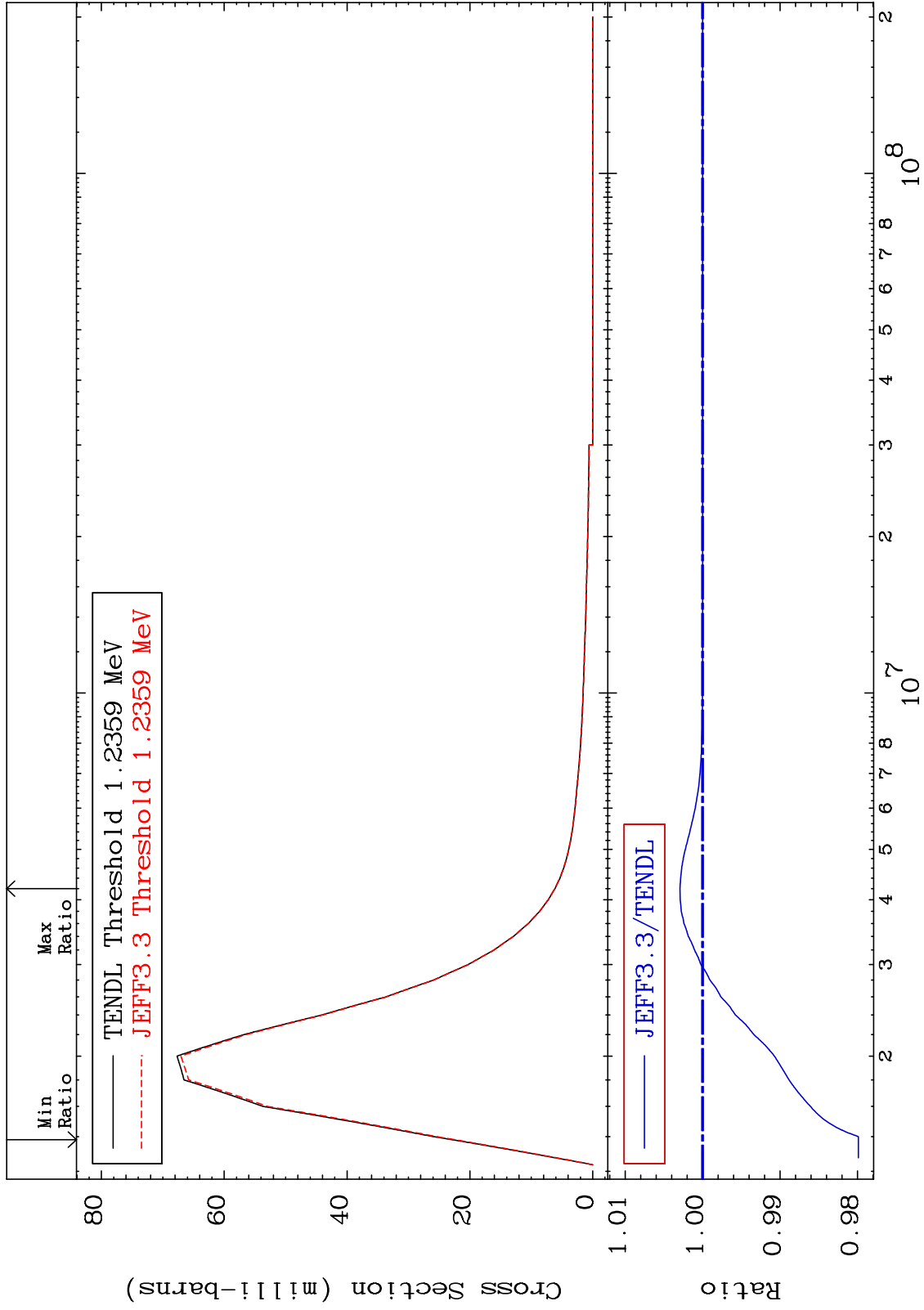
78-Pt-194
-1.367 To 3.712 %



MAT 7837

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

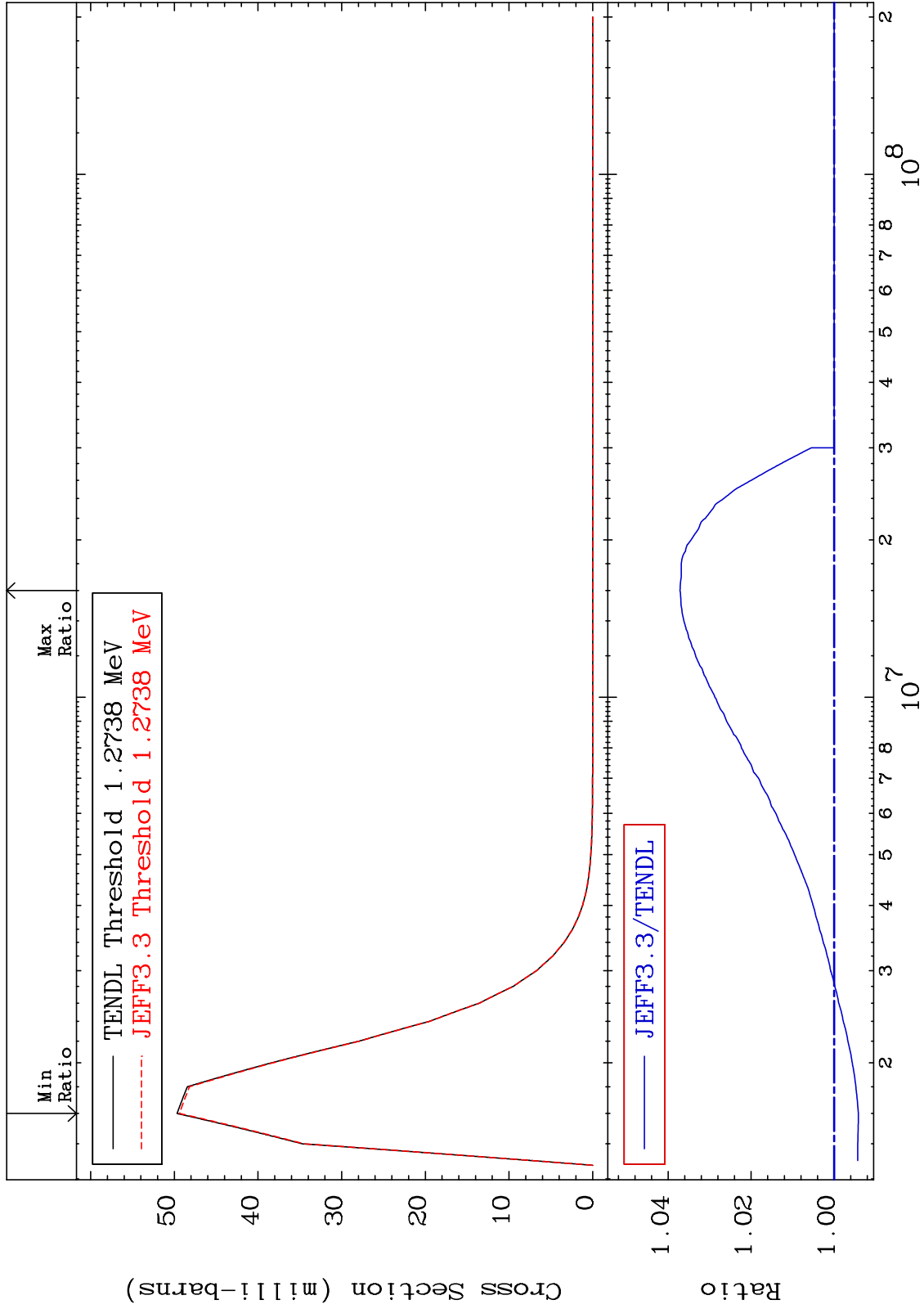
78-Pt-194
-2.011 To 0.292 %



MAT 7837

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

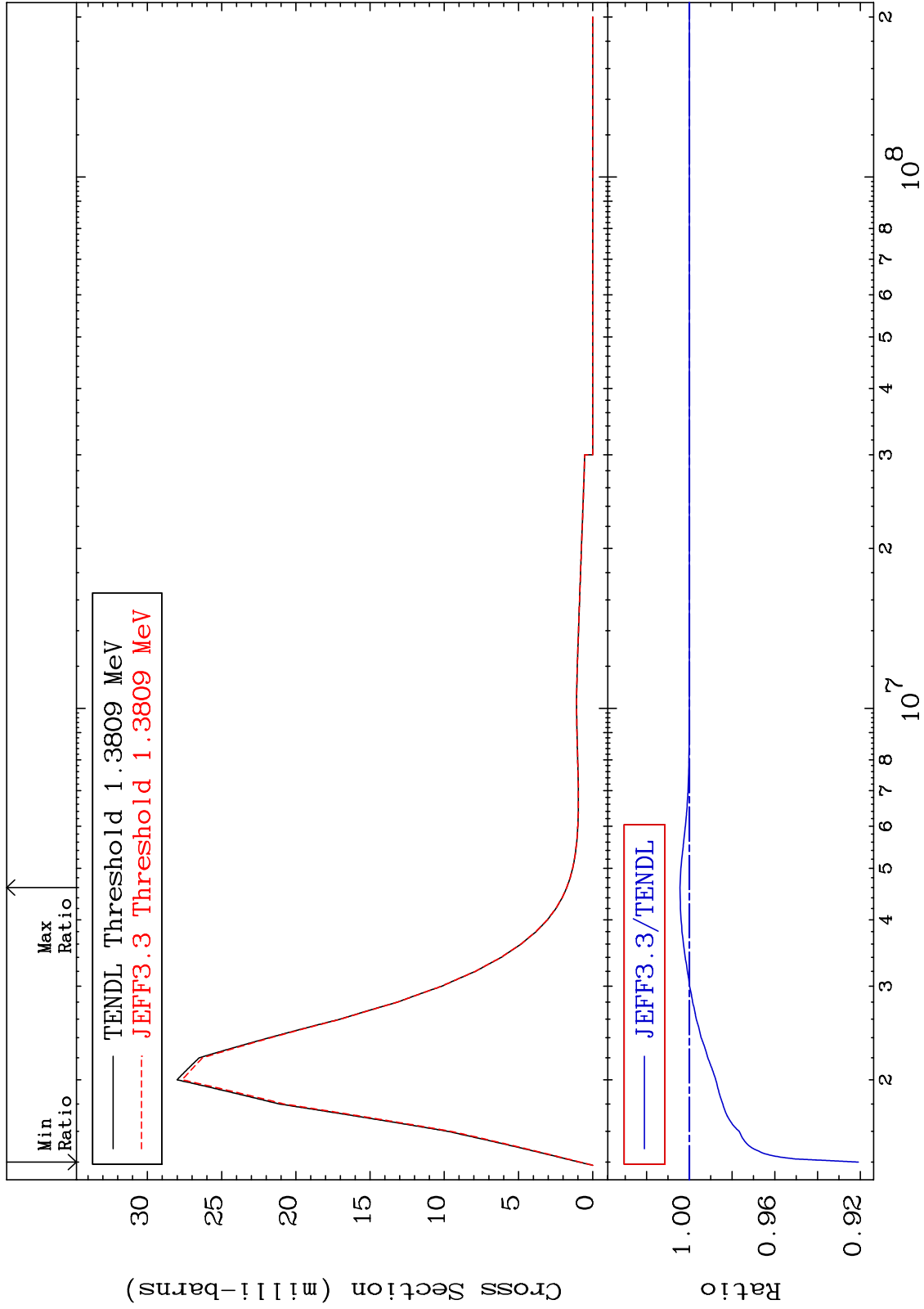
78-Pt-194
-0.586 To 3.714 %



MAT 7837

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

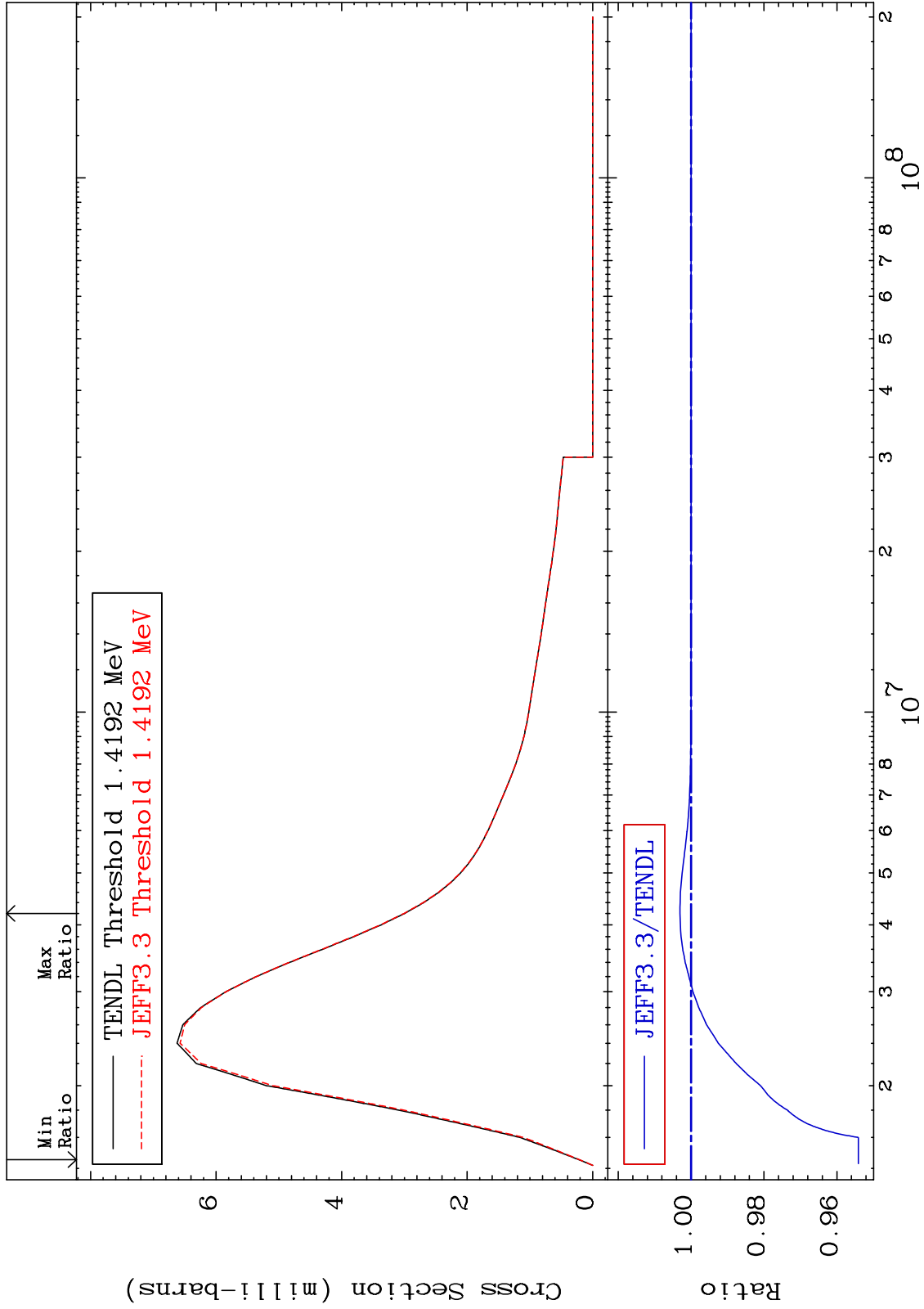
78-Pt-194
-7.911 To 0.436 %



MAT 7837

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

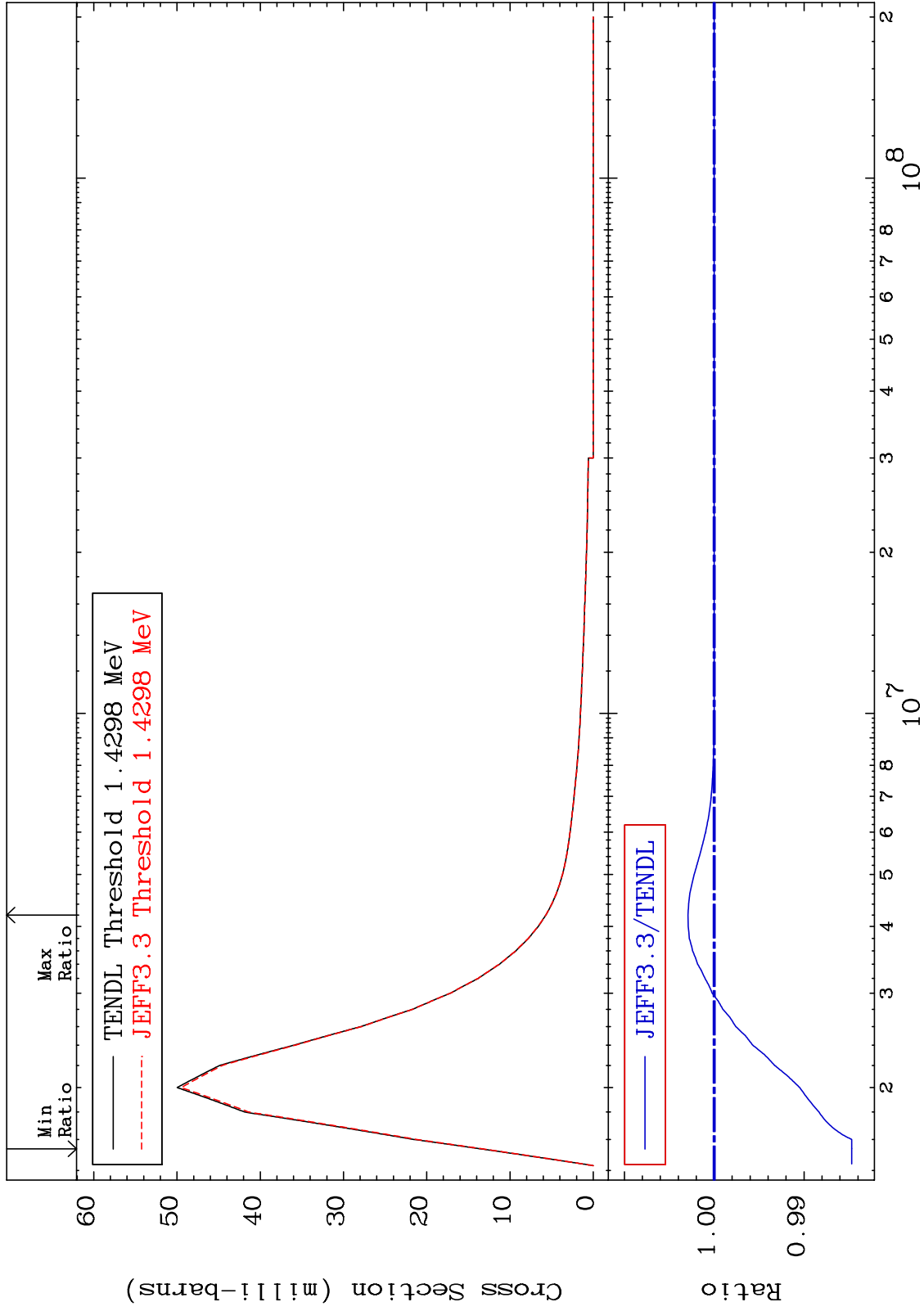
78-Pt-194
-4.590 To 0.304 %



MAT 7837

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

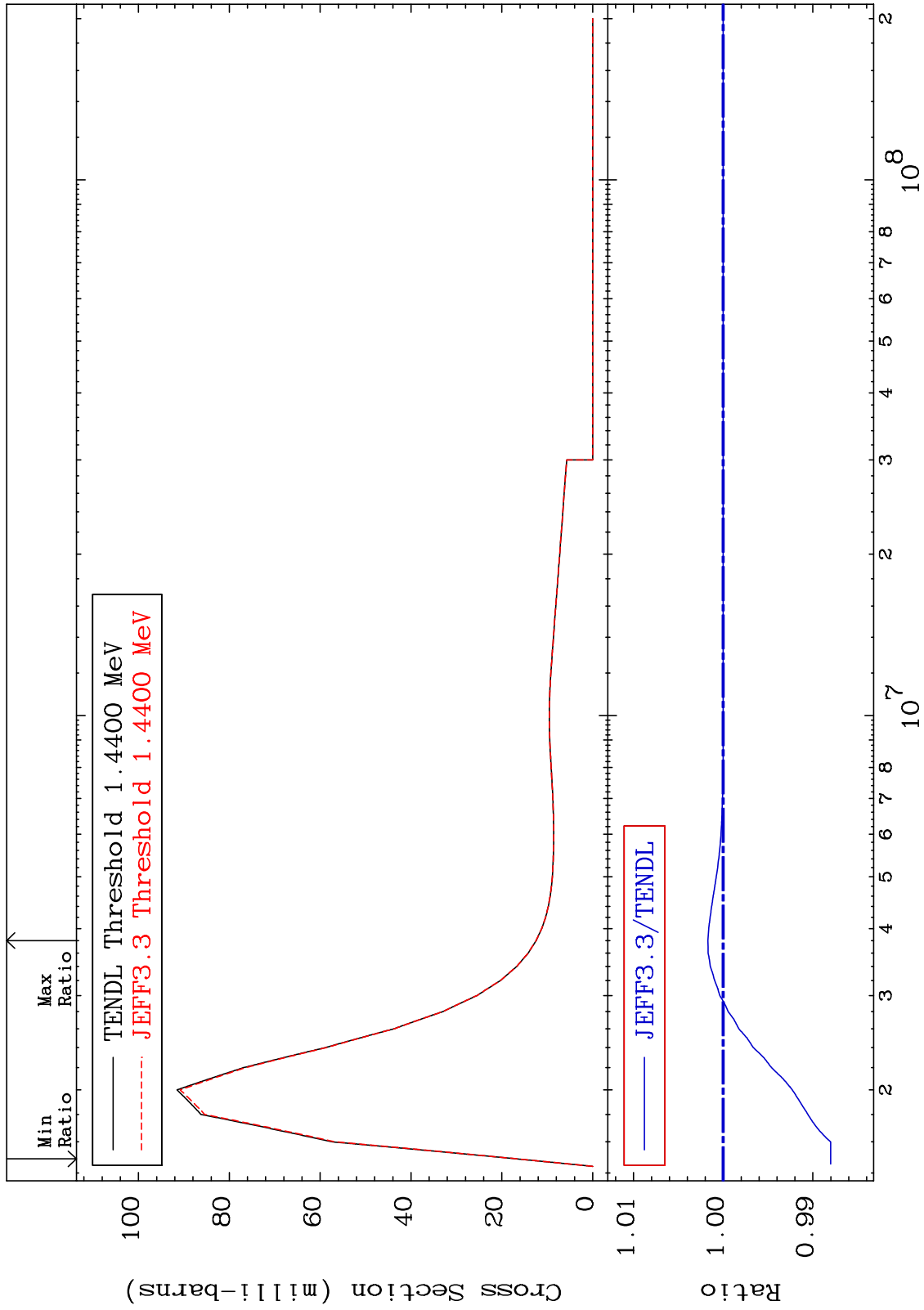
78-Pt-194
-1.532 To 0.292 %



MAT 7837

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

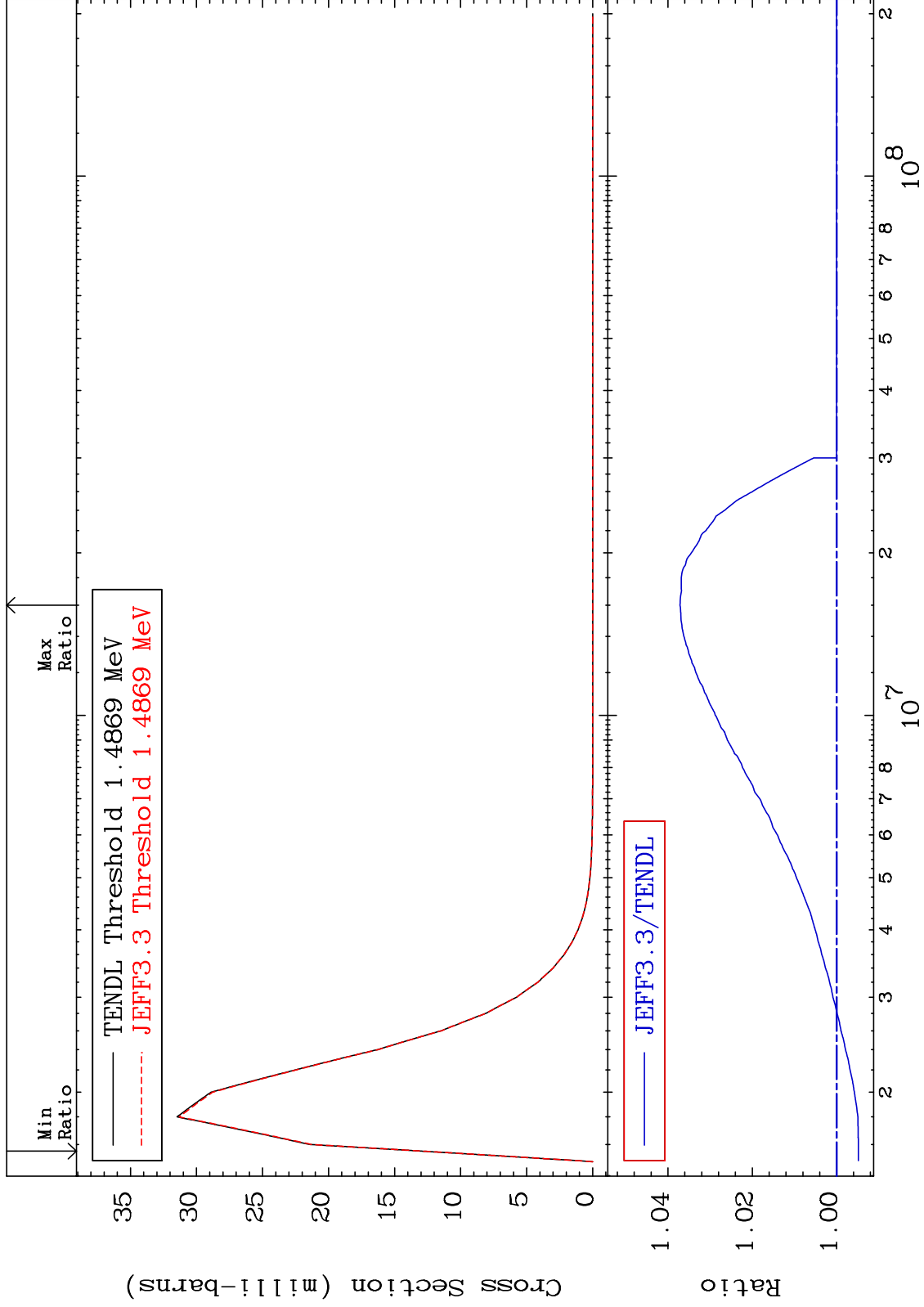
78-Pt-194
-1.198 To 0.172 %



MAT 7837

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

78-Pt-194
-0.516 To 3.714 %



30

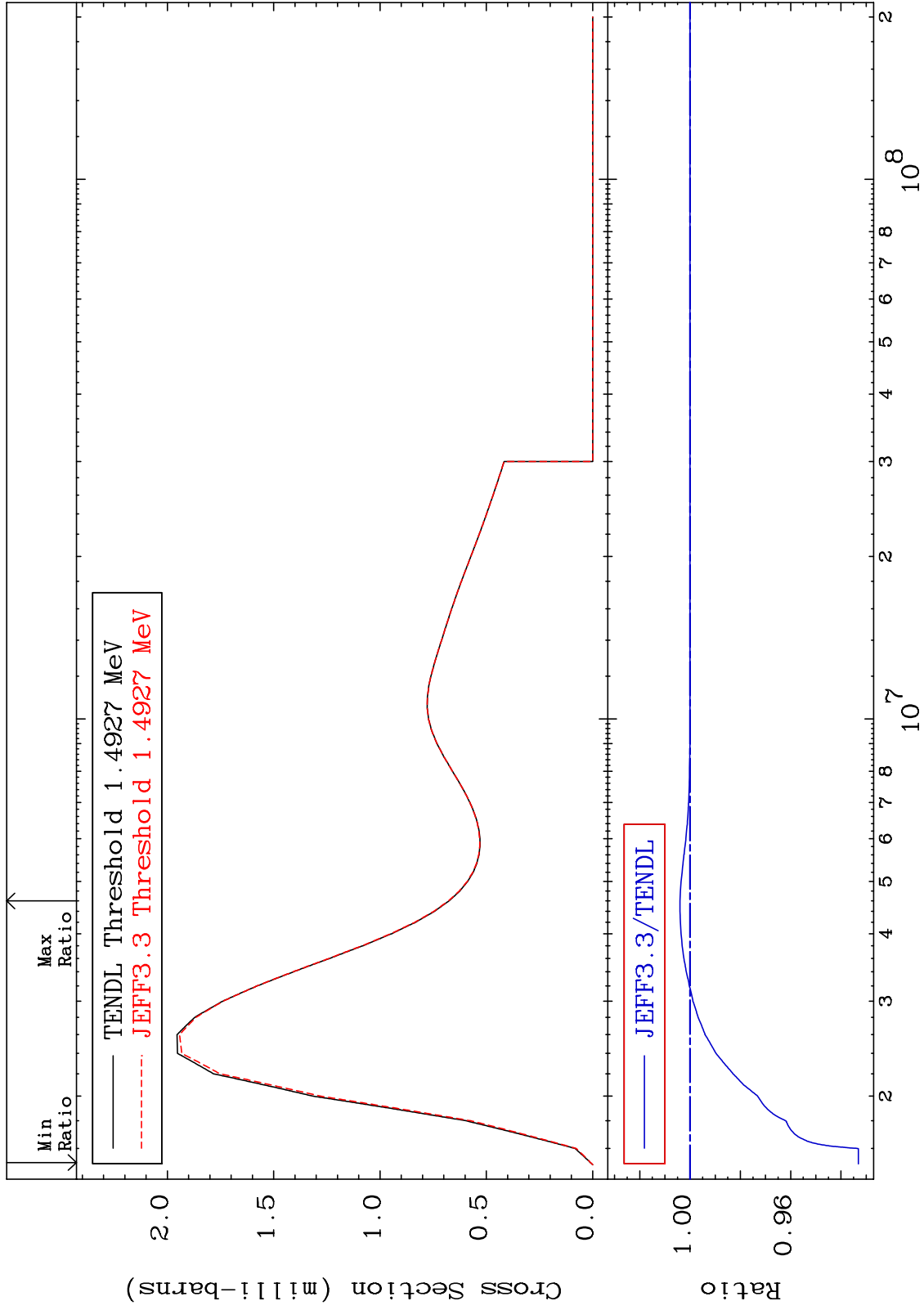
Incident Energy (eV)

78-Pt-194

MAT 7837

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

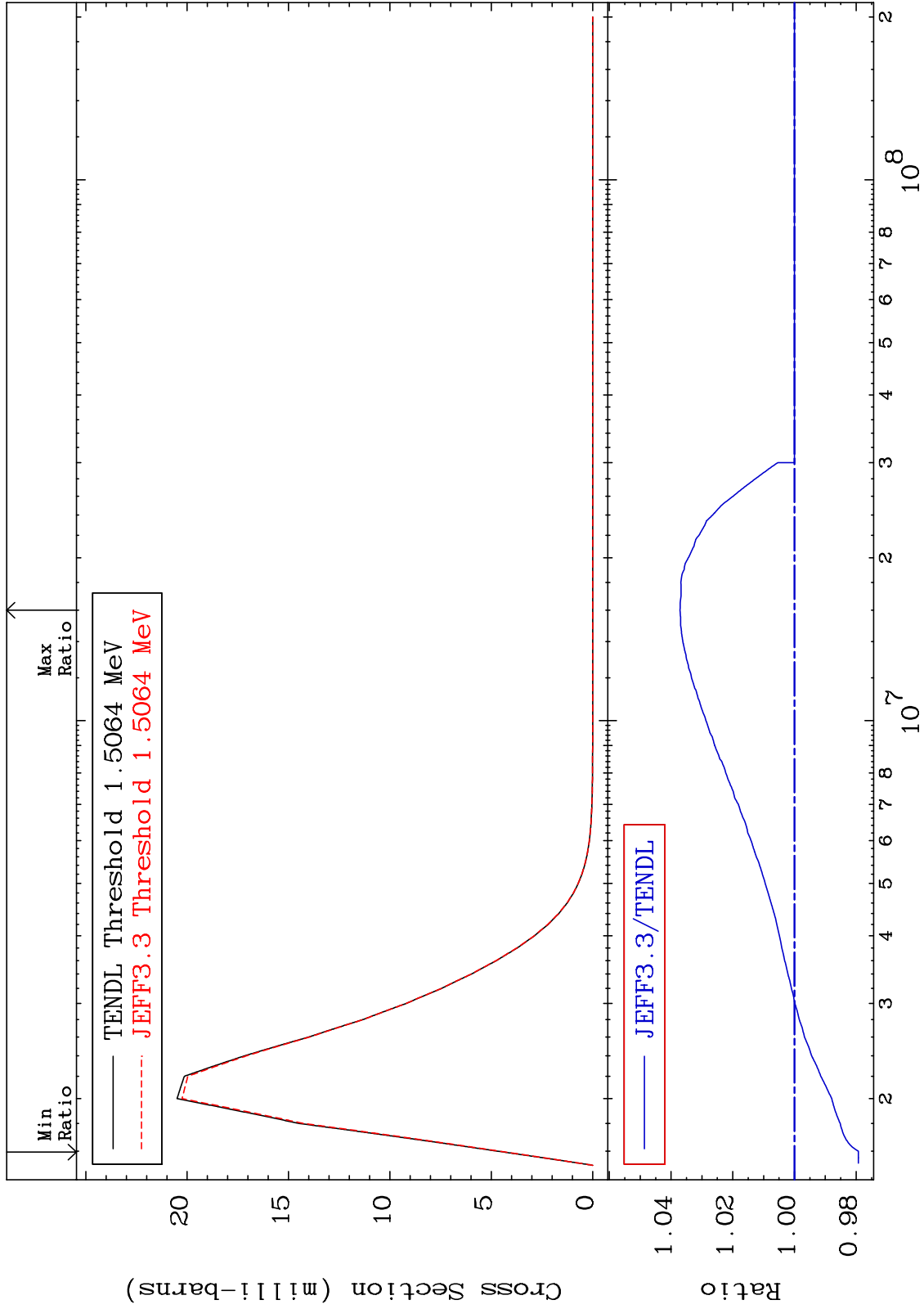
78-Pt-194
-6.693 To 0.398 %



MAT 7837

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

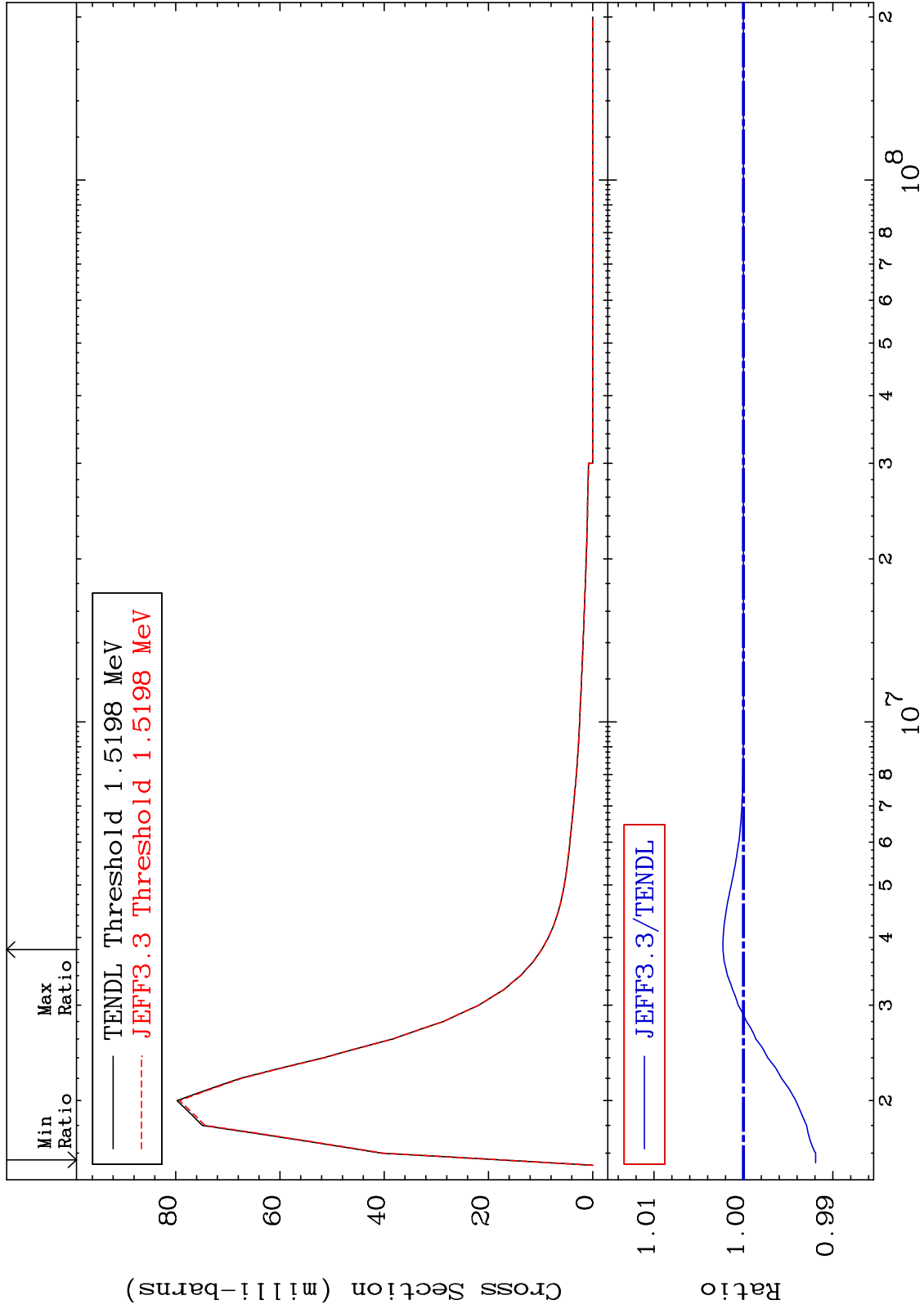
78-Pt-194
-2.073 To 3.710 %



MAT 7837

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

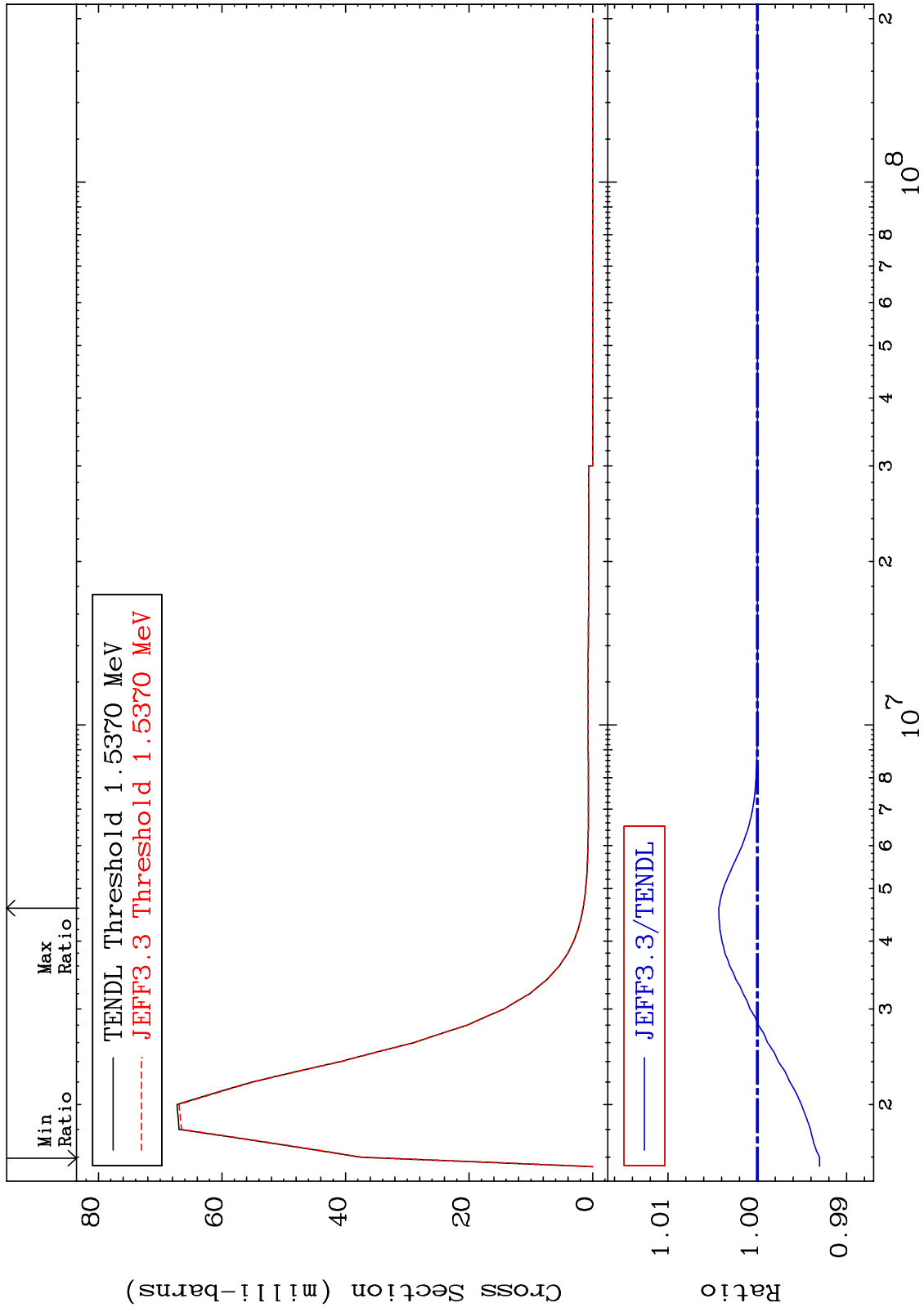
78-Pt-194
-0.806 To 0.231 %



MAT 7837

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

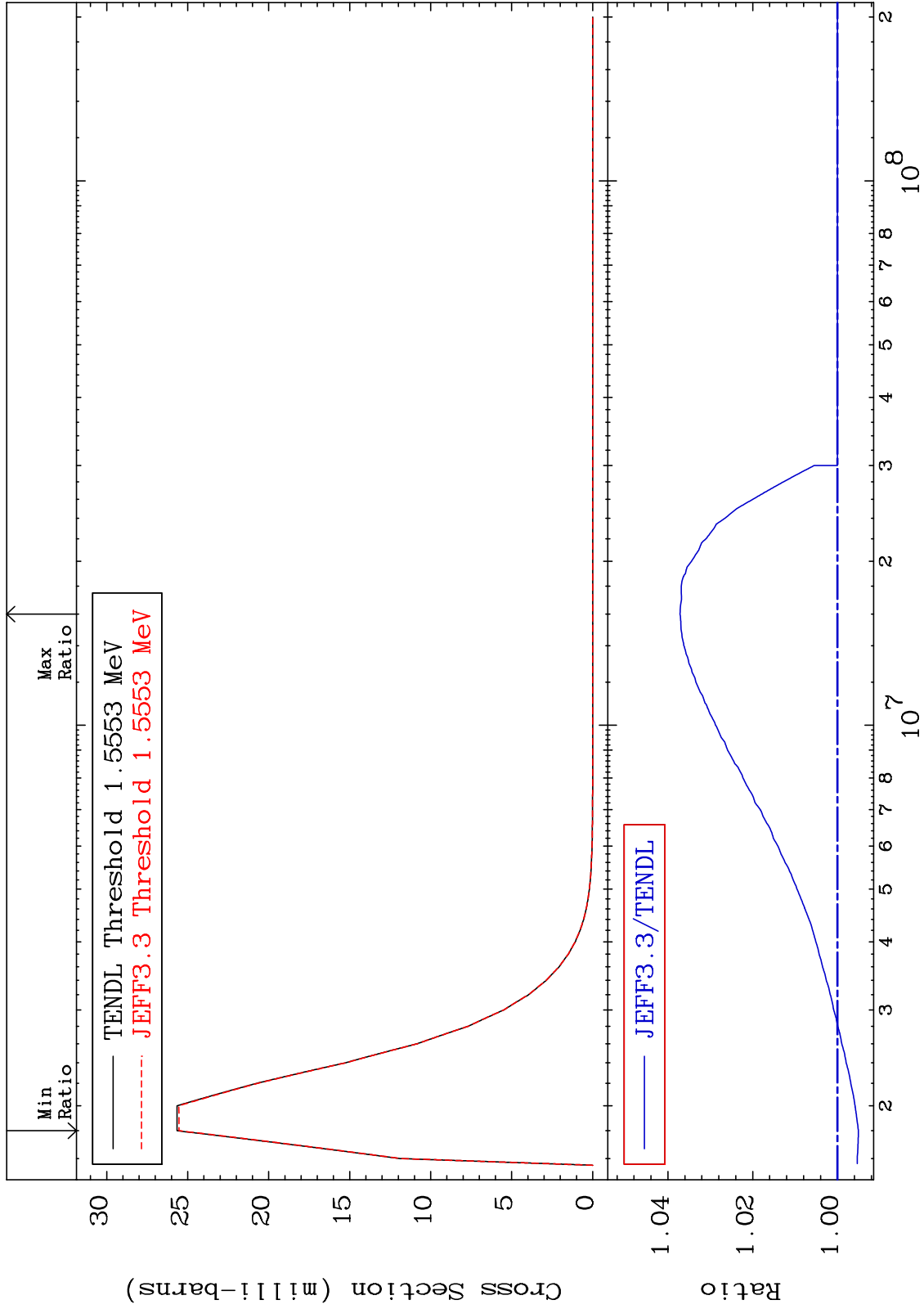
78-Pt-194
-0.696 To 0.431 %



MAT 7837

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

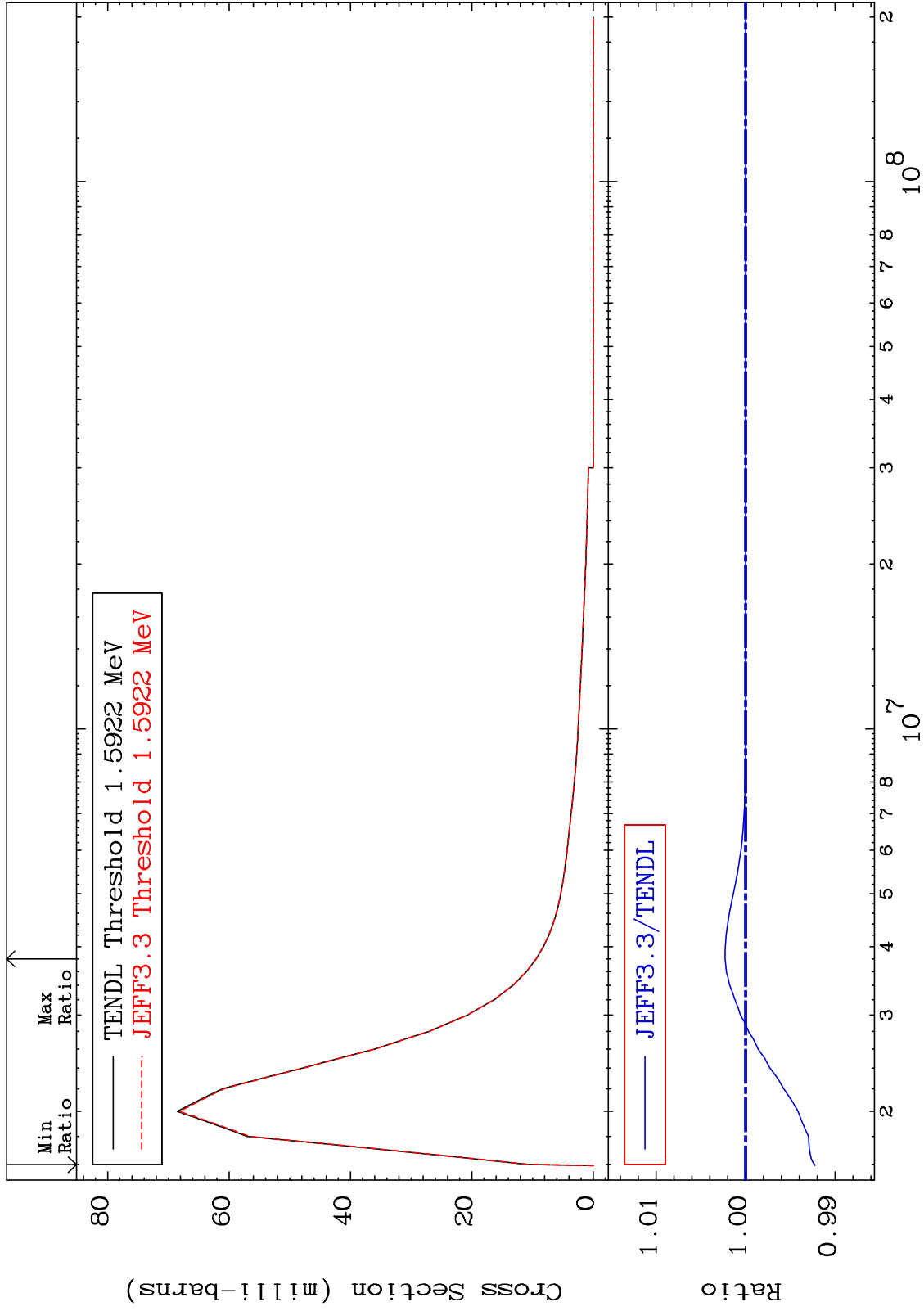
78-Pt-194
-0.493 To 3.714 %



MAT 7837

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

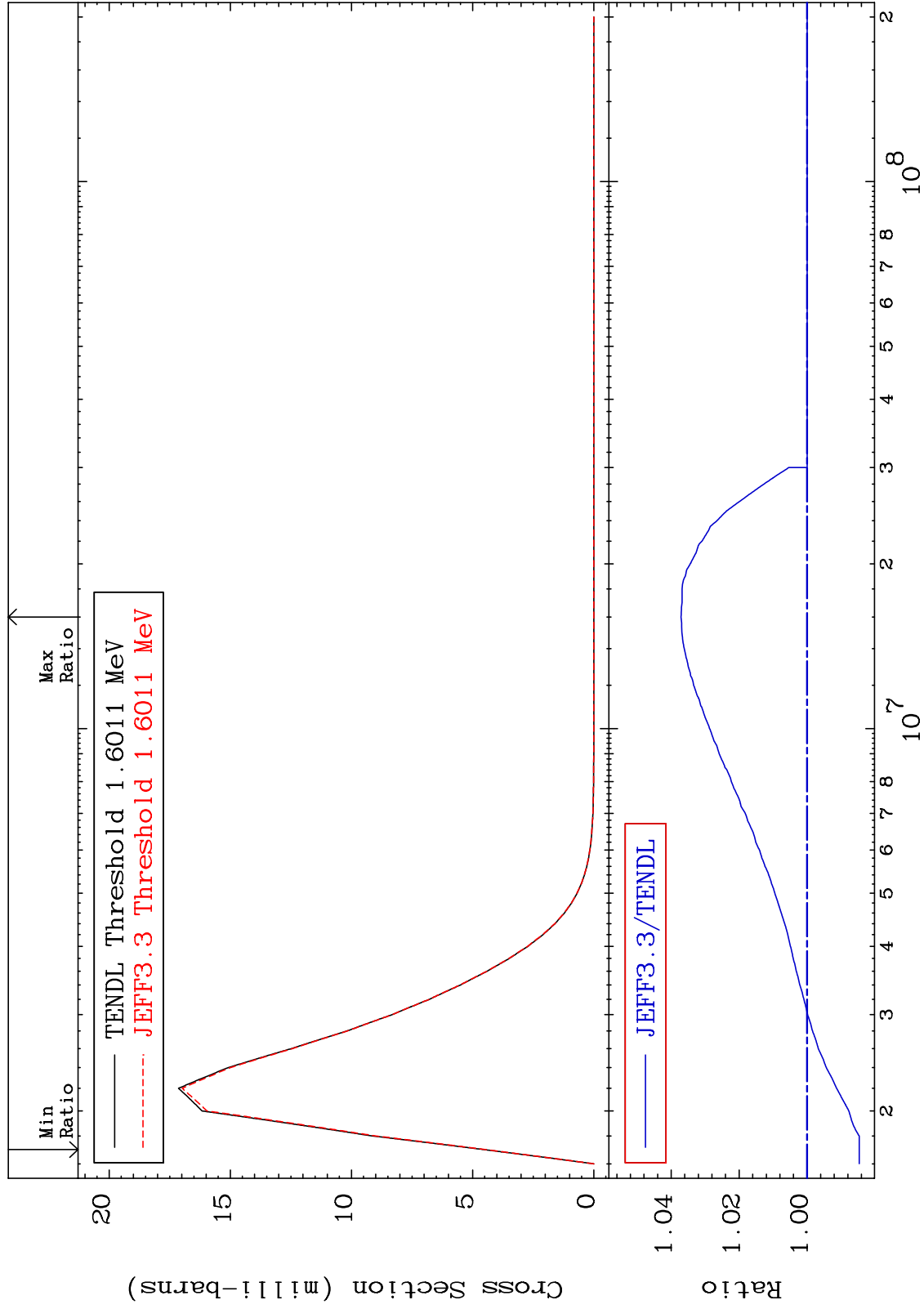
78-Pt-194
-0.772 To 0.231 %



MAT 7837

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

78-Pt-194
-1.537 To 3.709 %



37

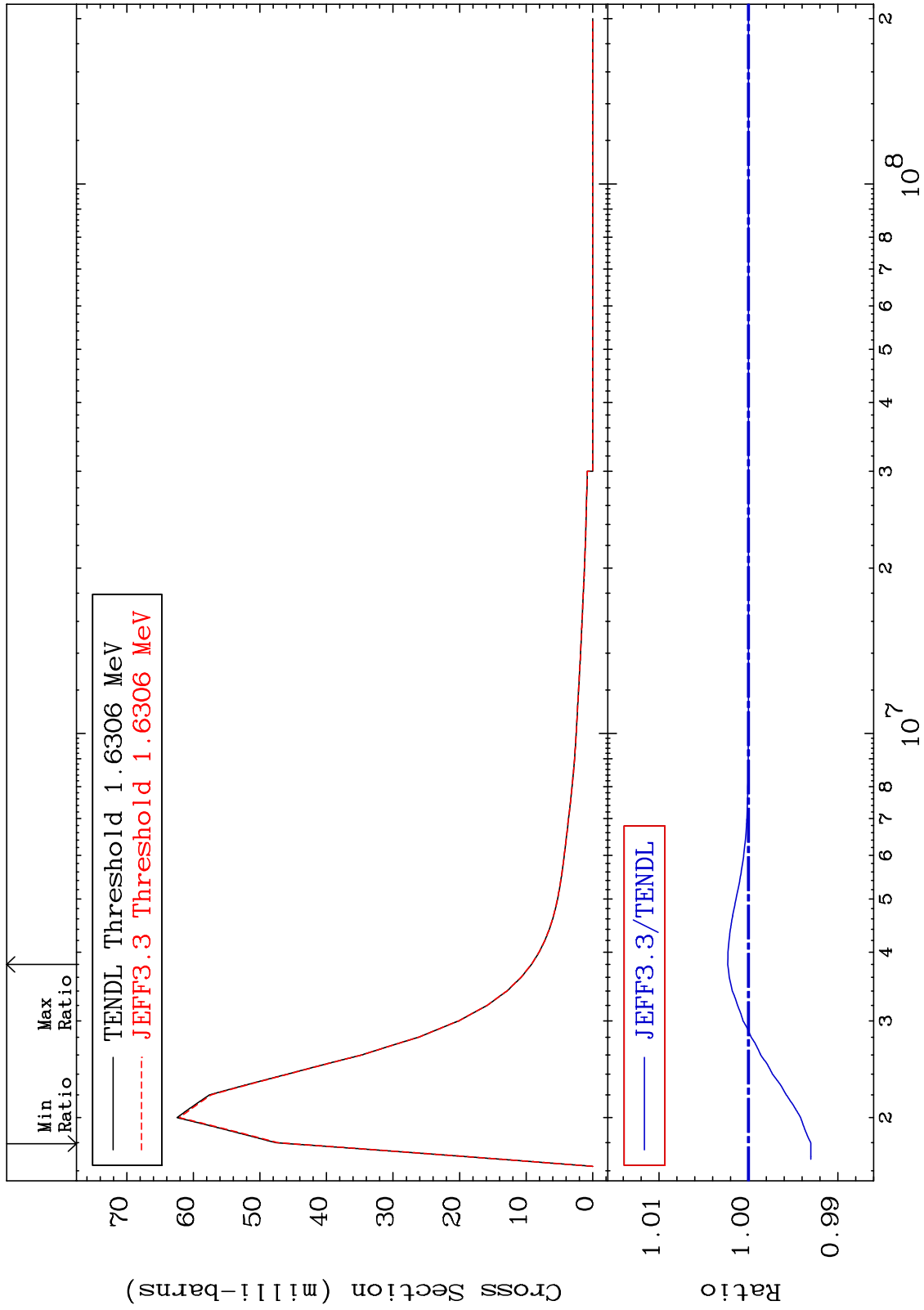
Incident Energy (eV)

78-Pt-194

MAT 7837

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

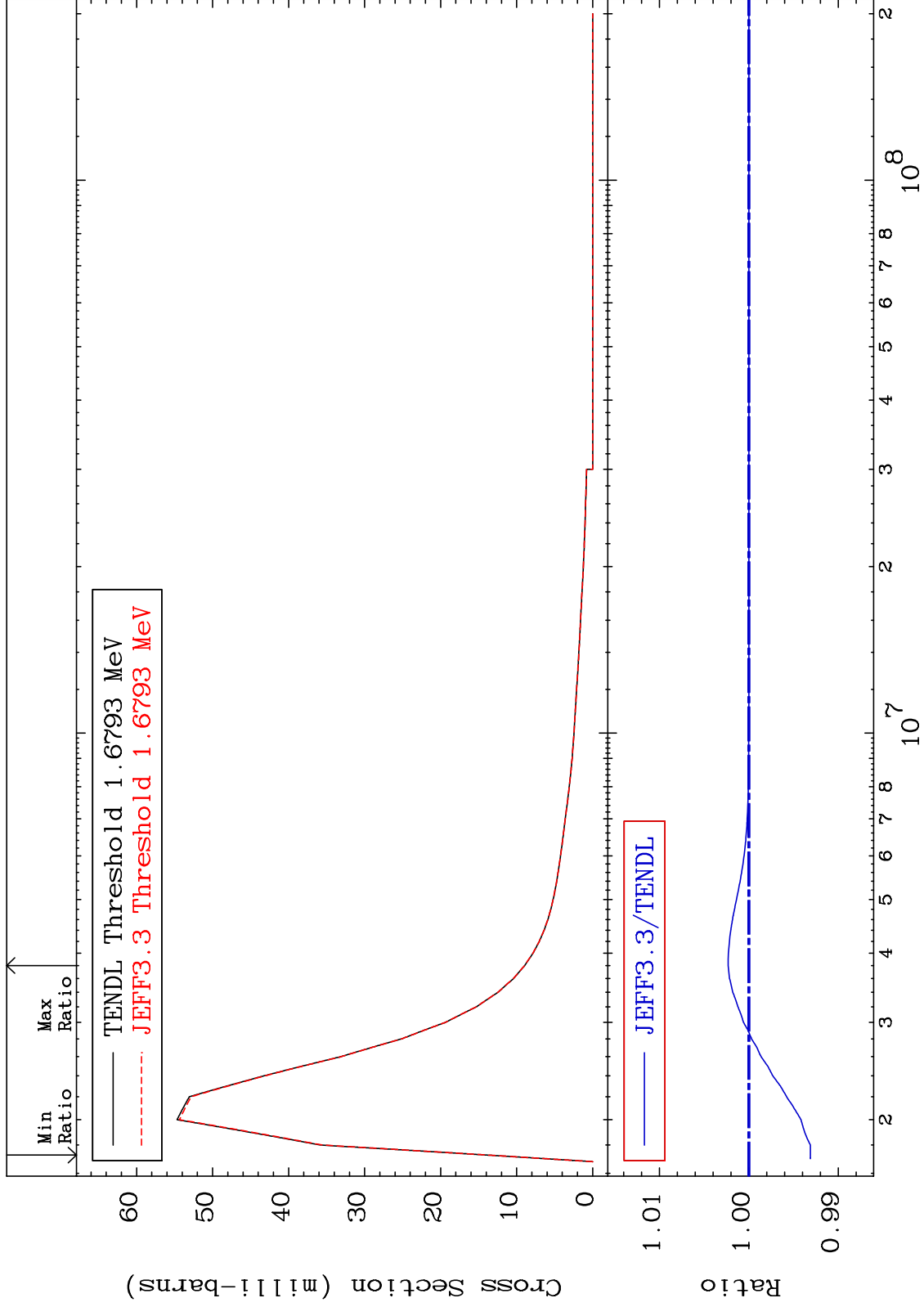
78-Pt-194
-0.697 To 0.231 %



MAT 7837

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

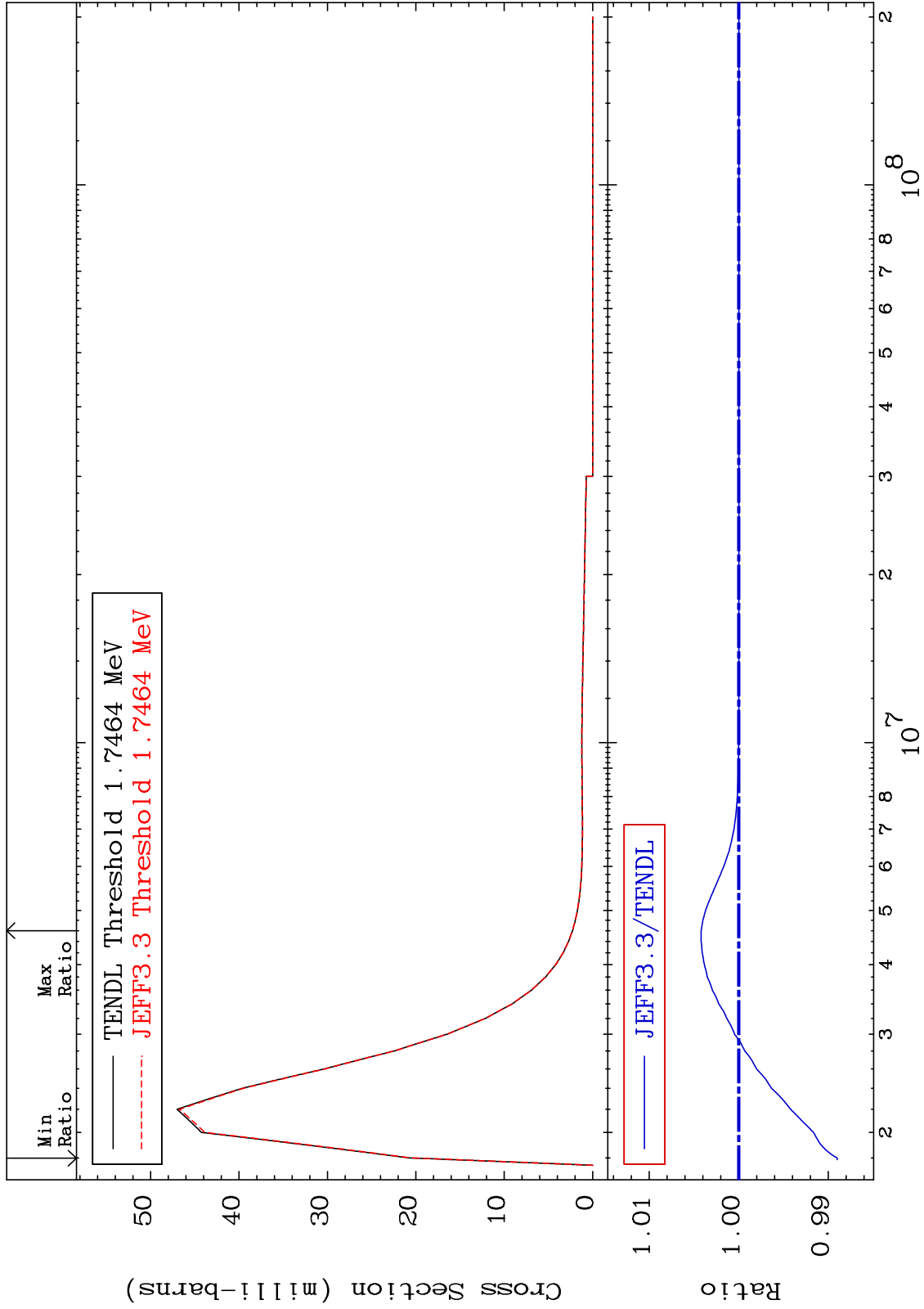
78-Pt-194
-0.688 To 0.231 %



MAT 7837

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

78-Pt-194
-1.101 To 0.420 %



40

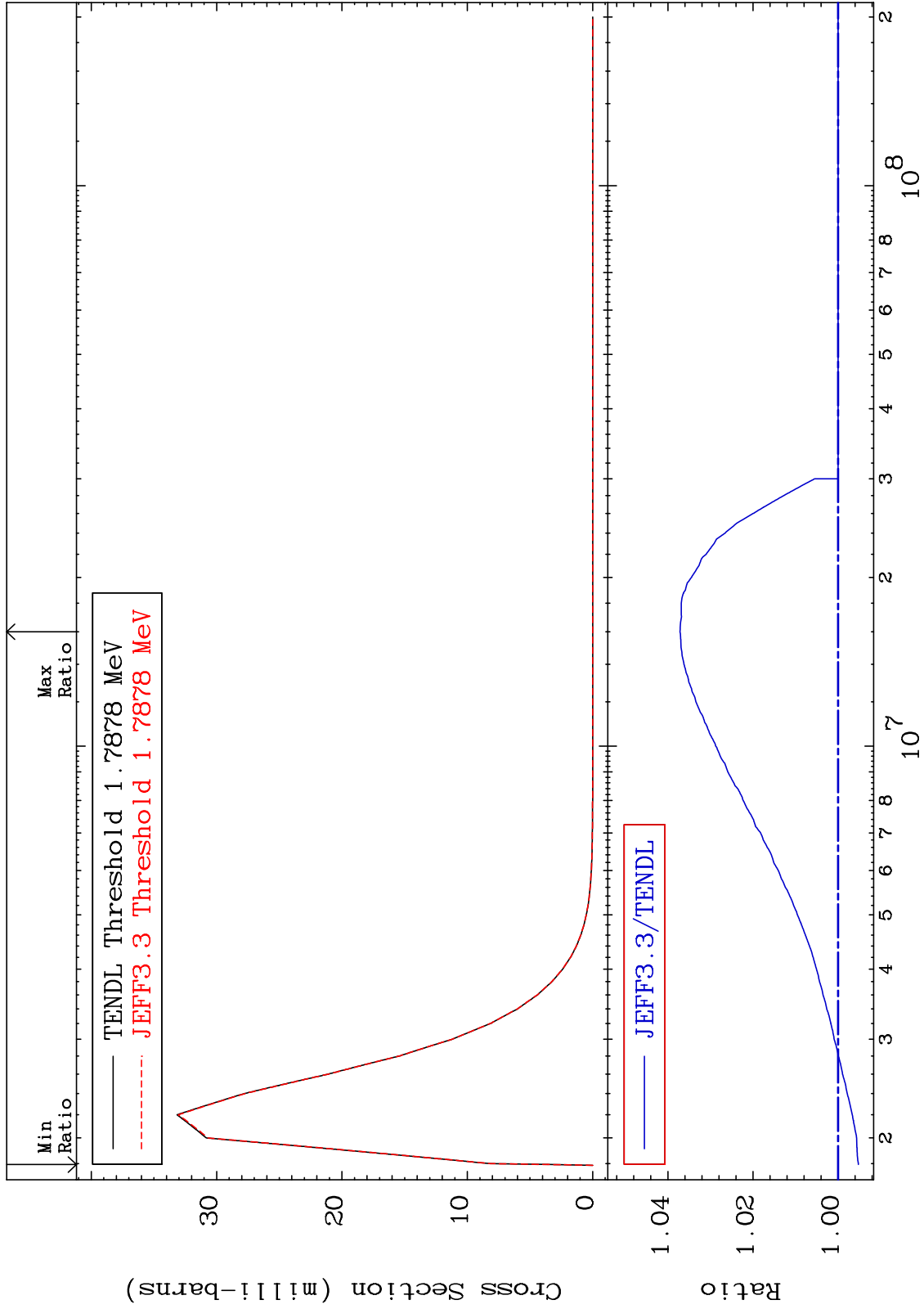
Incident Energy (eV)

78-Pt-194

MAT 7837

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

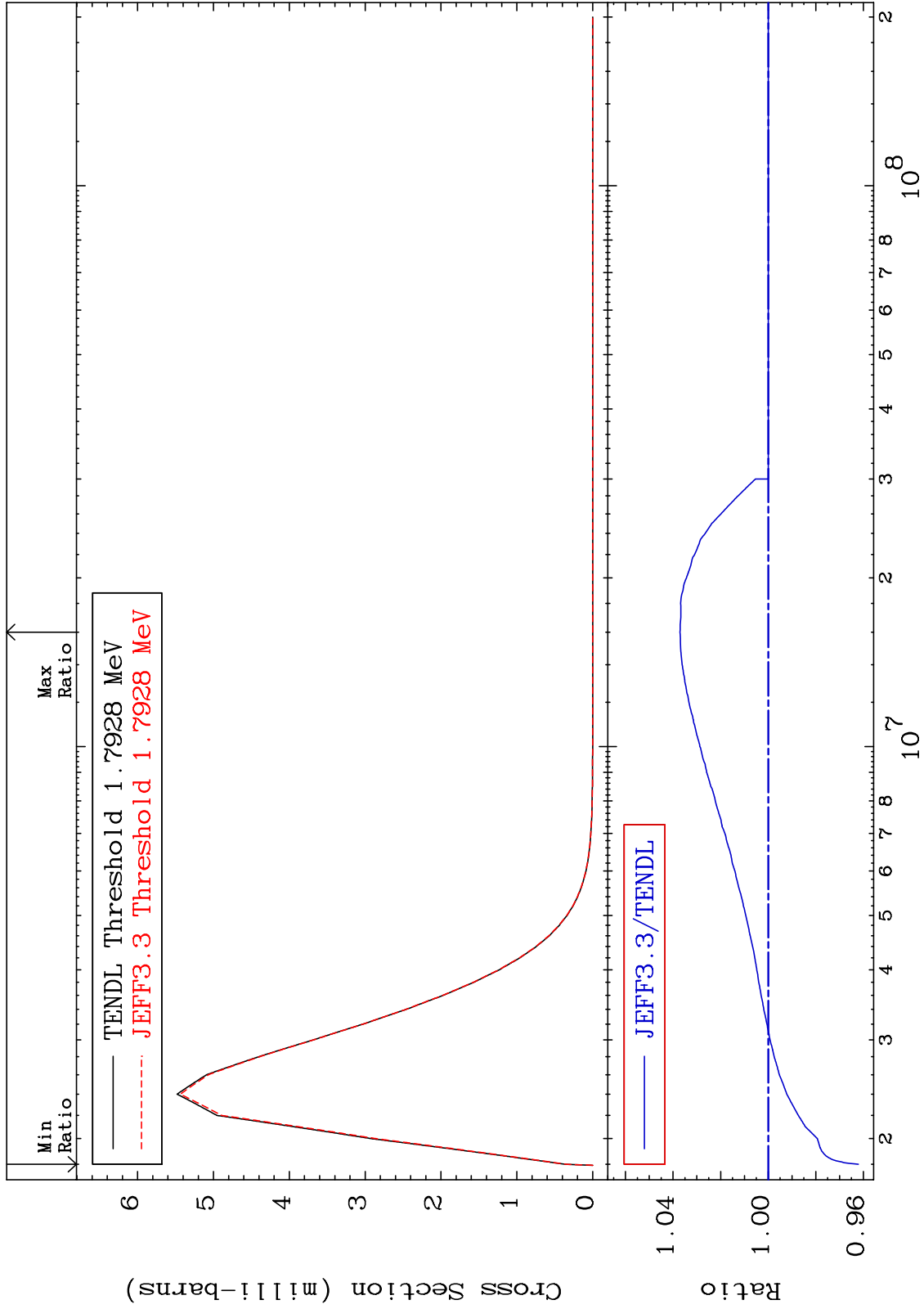
78-Pt-194
-0.476 To 3.714 %



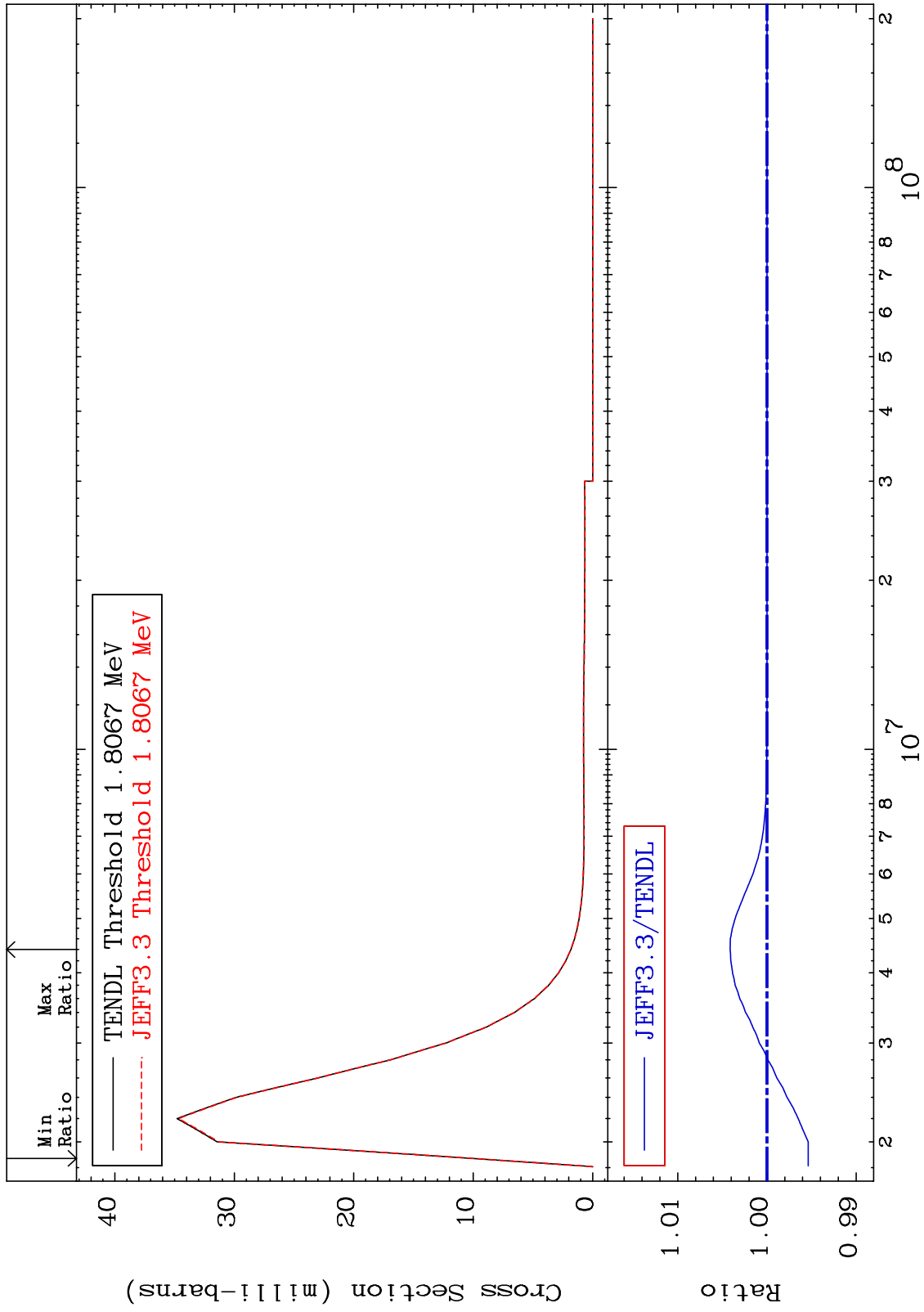
MAT 7837

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

78-Pt-194
-3.792 To 3.708 %



MAT 7837 MT= 74 (n,n') Level
 Cross Section 78-Pt-194
 -0.463 To 0.412 %



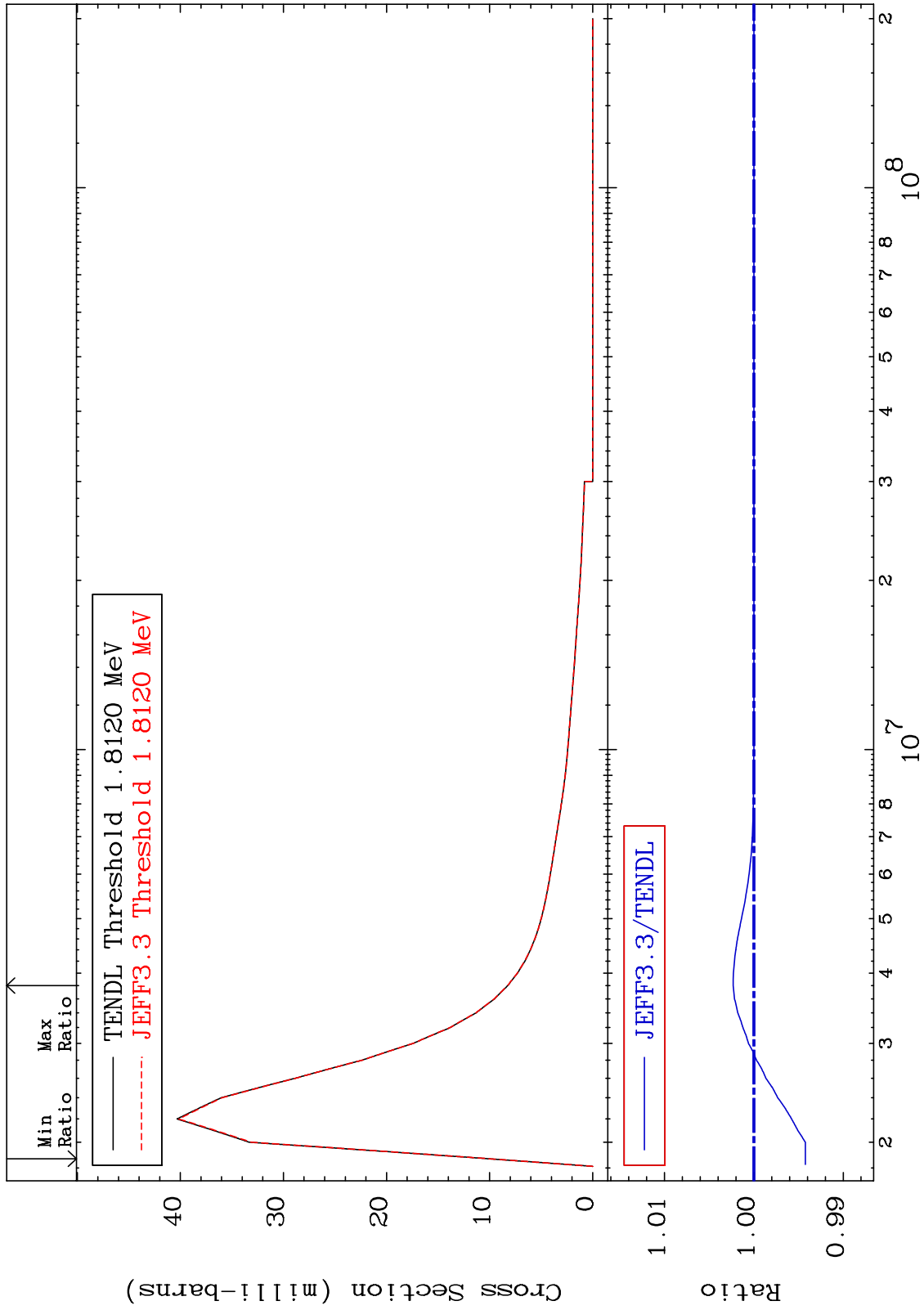
78-Pt-194

Incident Energy (eV)

MAT 7837

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

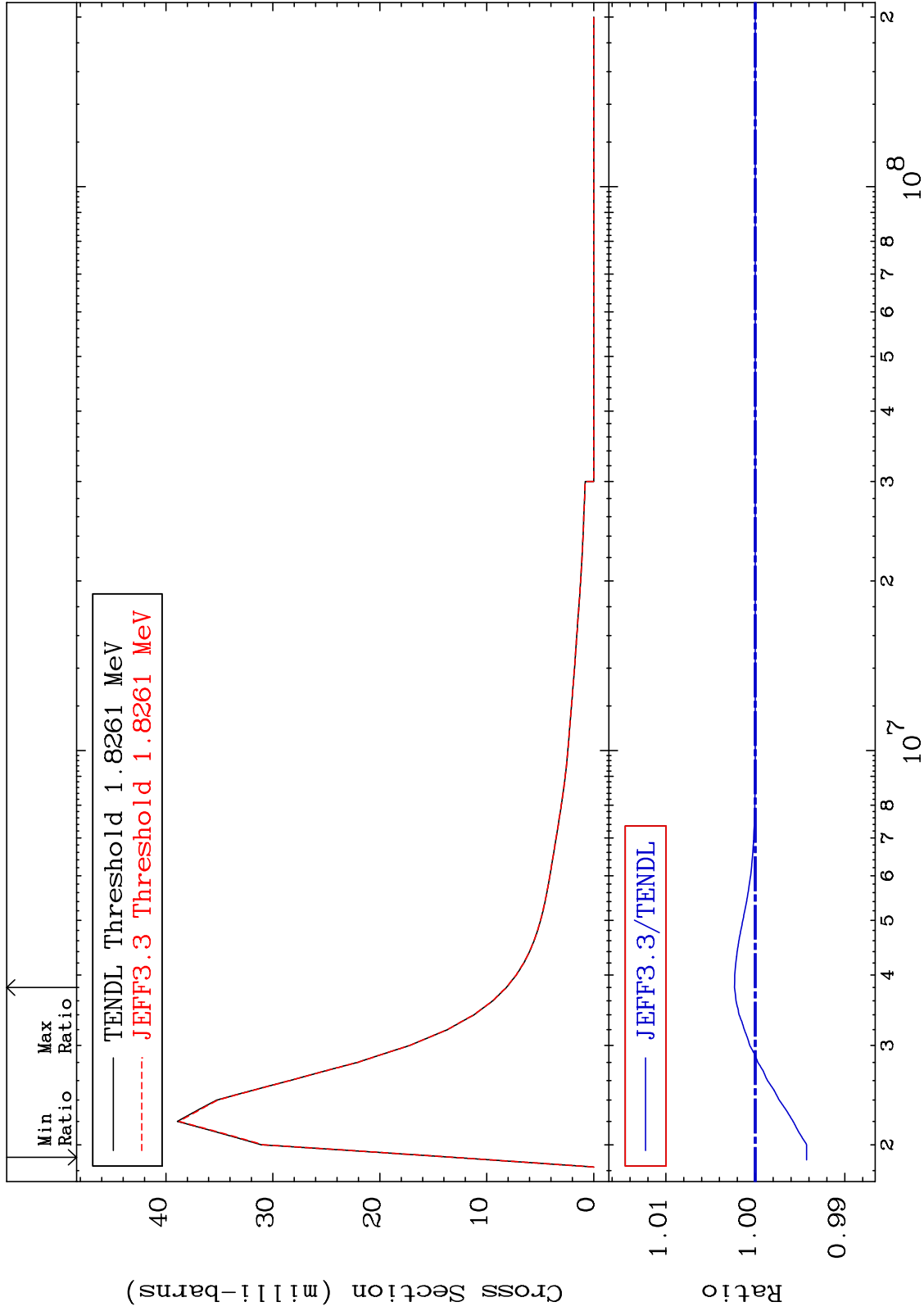
78-Pt-194
-0.576 To 0.232 %



MAT 7837

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

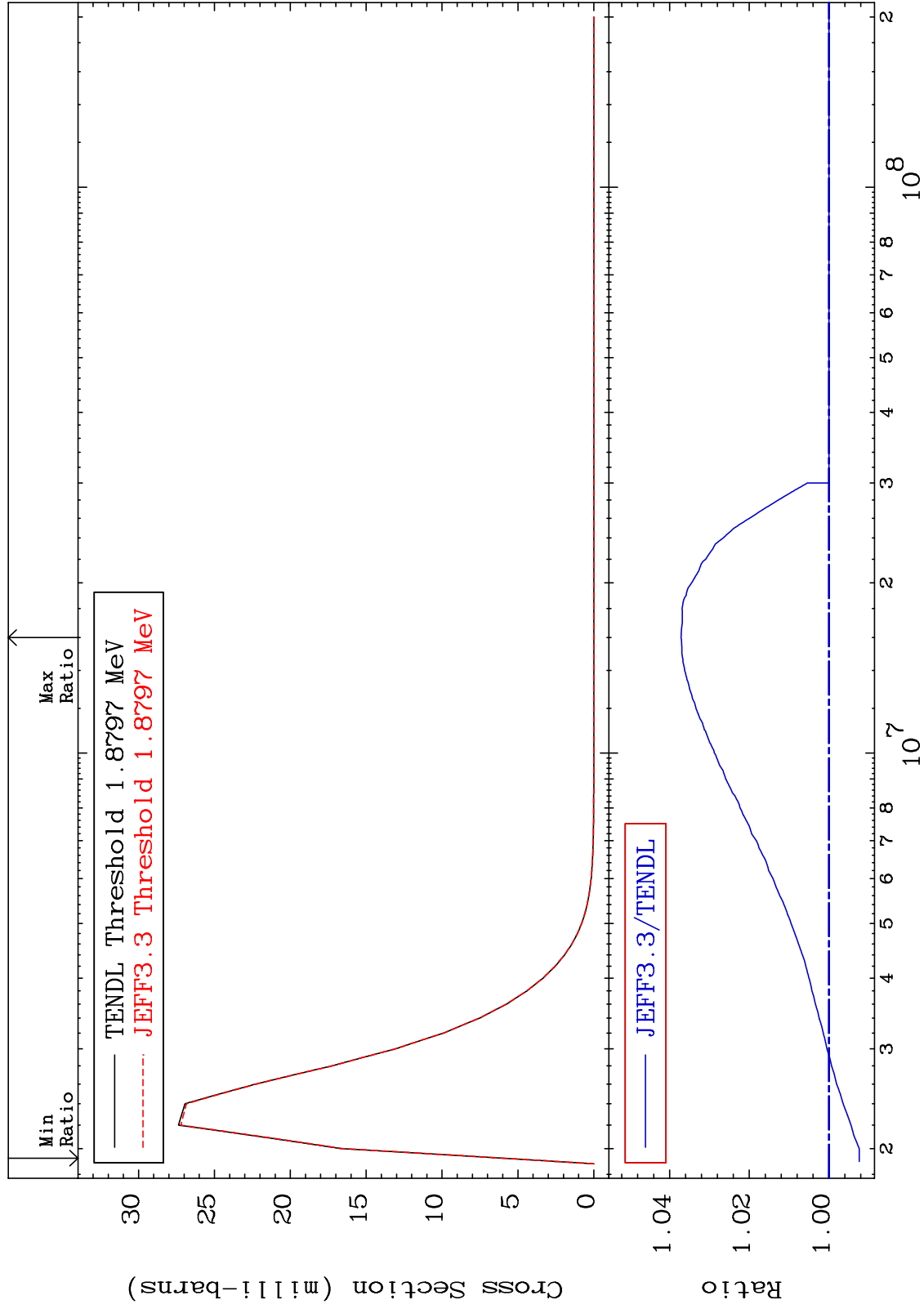
78-Pt-194
-0.574 To 0.232 %



MAT 7837

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

78-Pt-194
-0.760 To 3.713 %



46

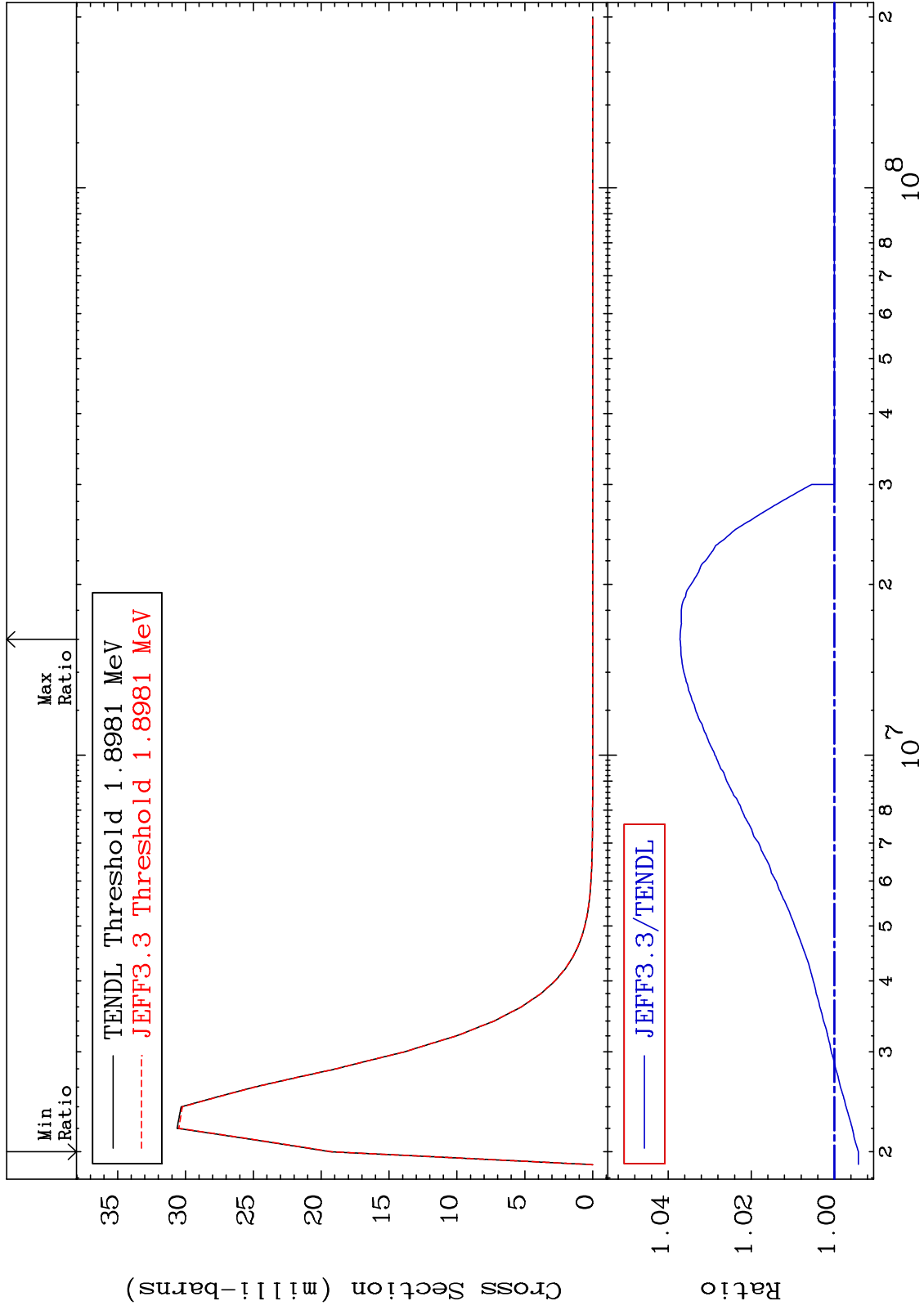
Incident Energy (eV)

78-Pt-194

MAT 7837

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

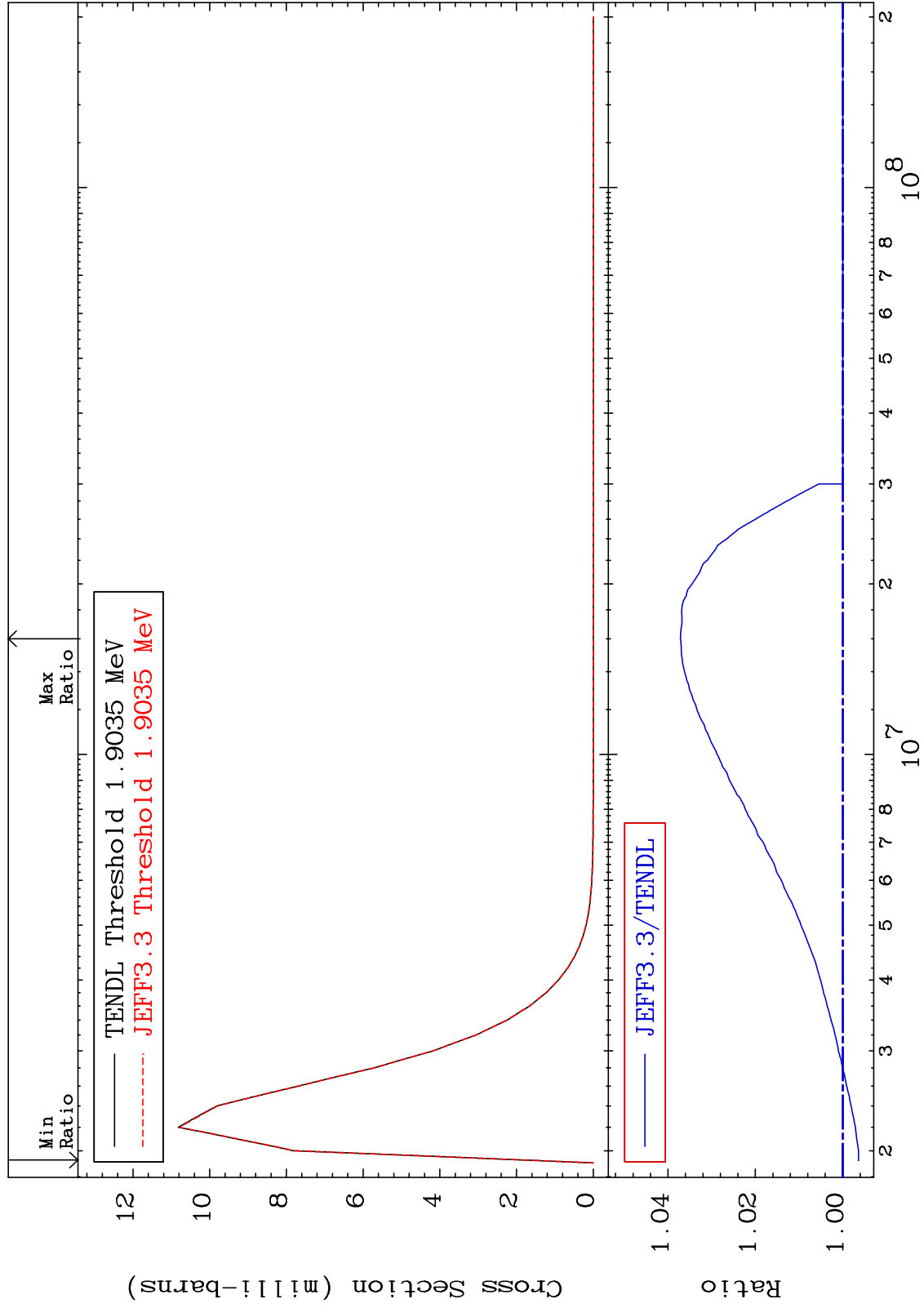
78-Pt-194
-0.578 To 3.714 %



MAT 7837

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

78-Pt-194
-0.362 To 3.715 %



48

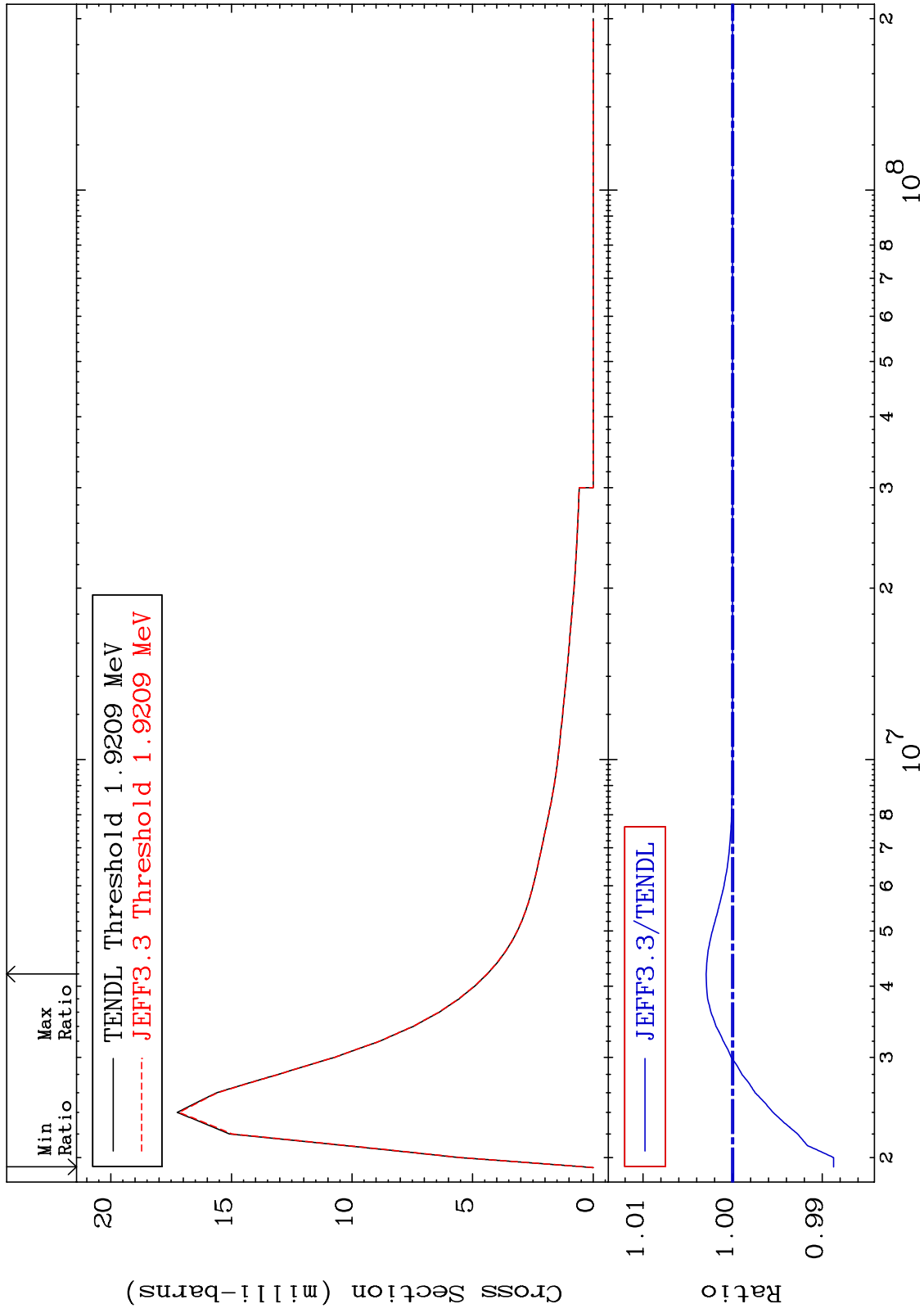
Incident Energy (eV)

78-Pt-194

MAT 7837

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

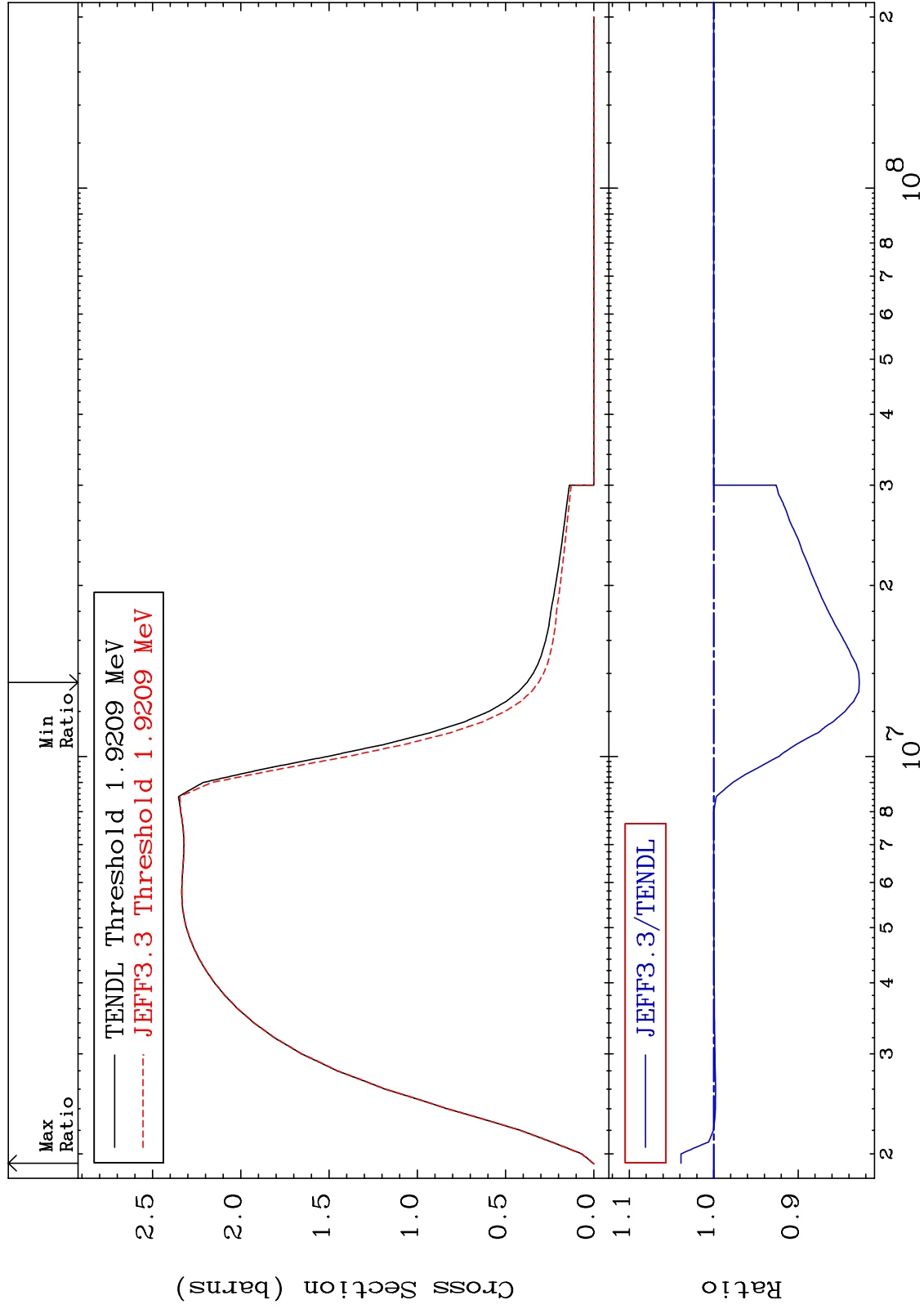
78-Pt-194
-1.127 To 0.295 %



MAT 7837

(n, n') Continuum
Cross Section

78-Pt-194
-17.23 To 3.872 %



50

Incident Energy (eV)

78-Pt-194

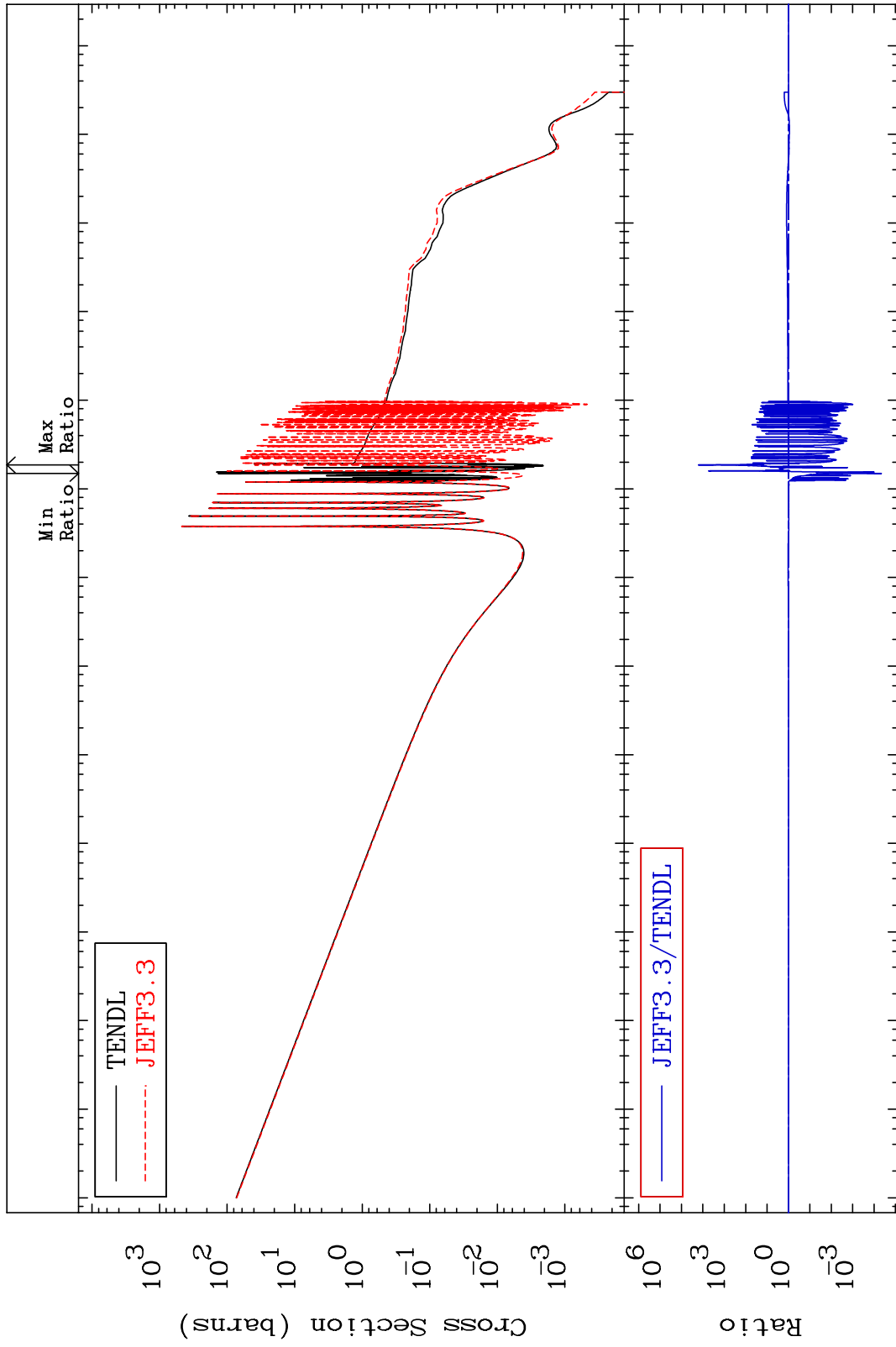
MAT 7837

(n, γ)

78-Pt-194

Cross Section

-100.0 To 9999. %



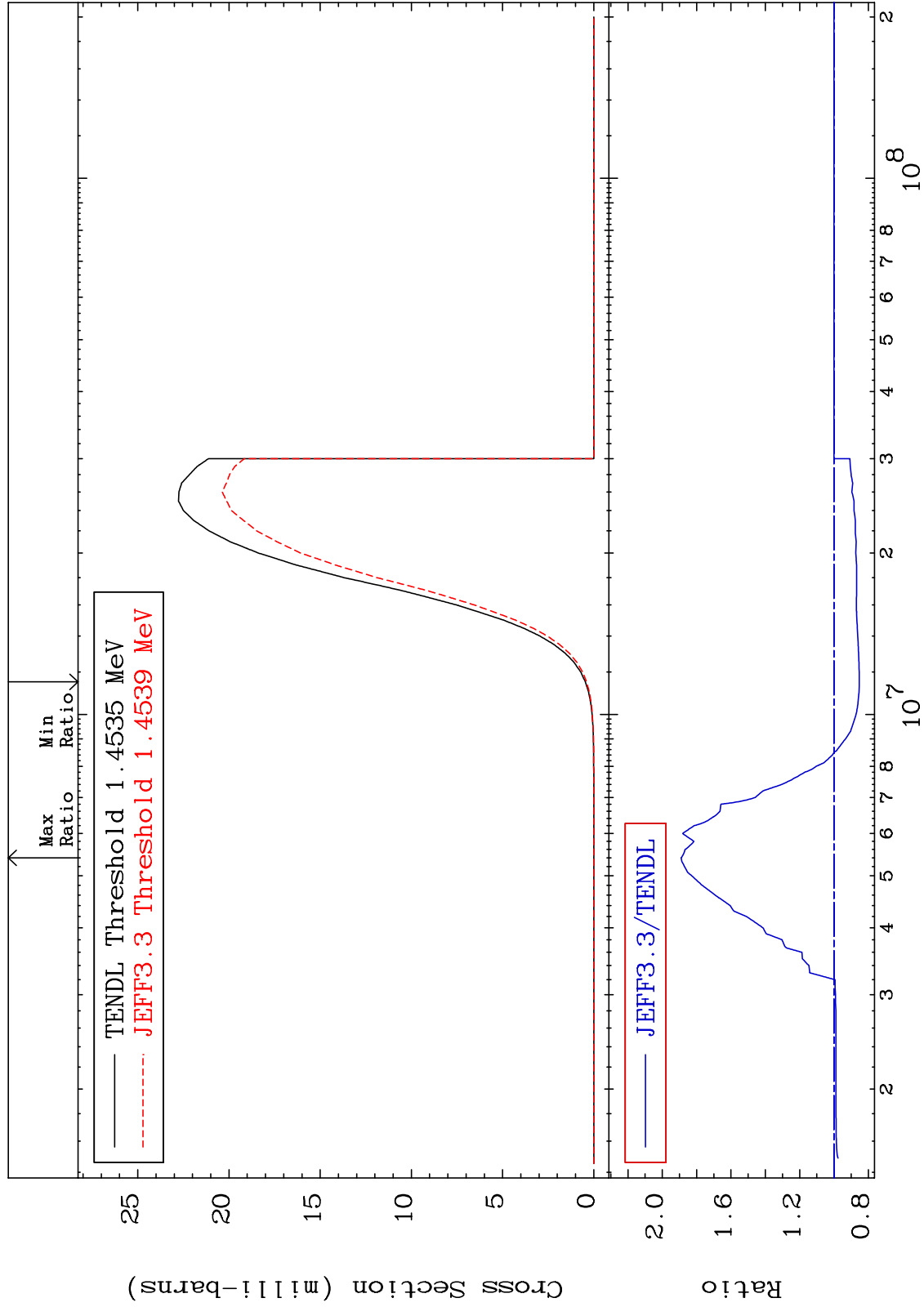
MAT 7837

(n, p)

⁷⁸Pt-194

-14.72 To 89.07 %

Cross Section



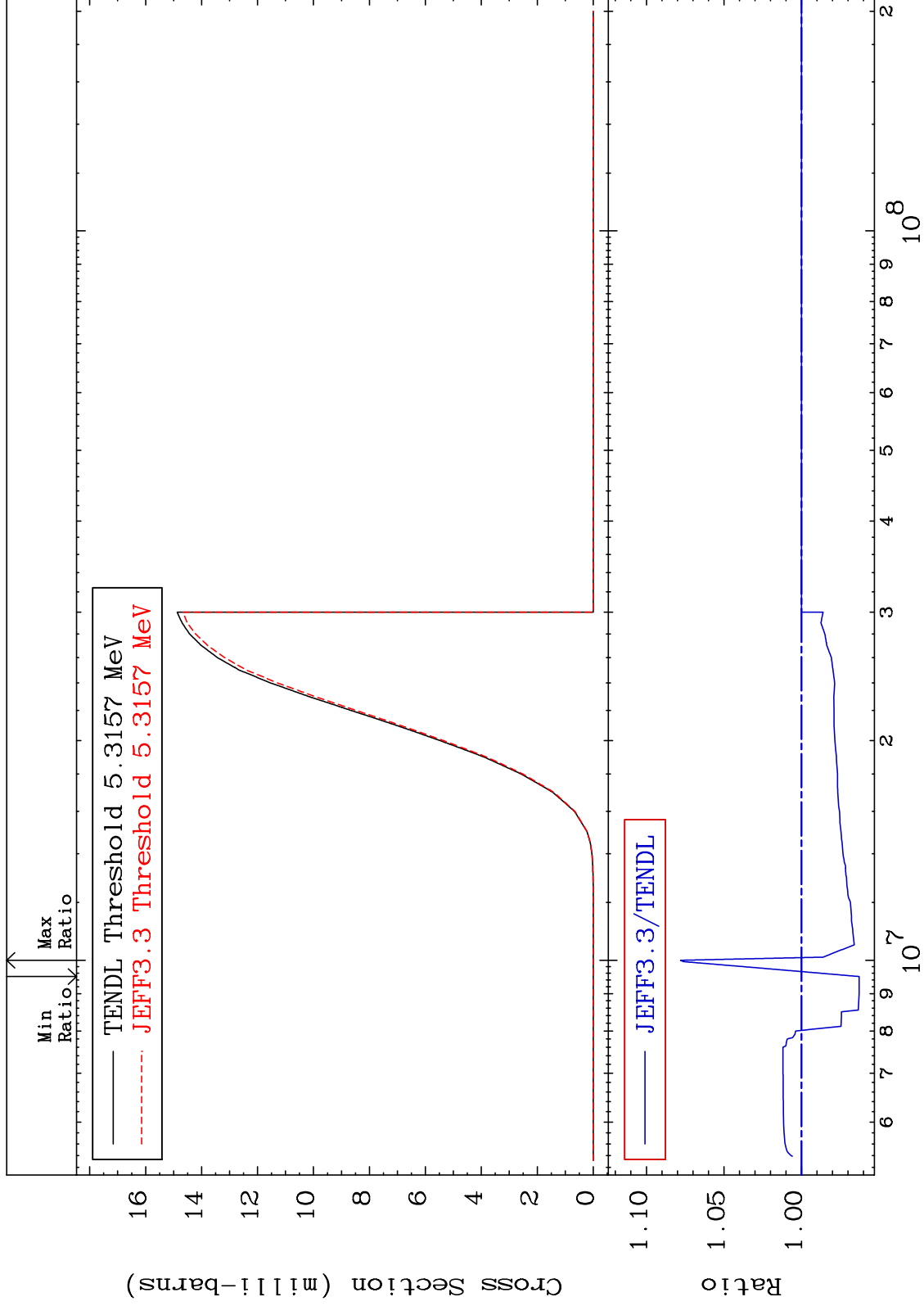
MAT 7837

(n, d)

78-Pt-194

Cross Section

-3.719 To 7.793 %



53

Incident Energy (eV)

78-Pt-194

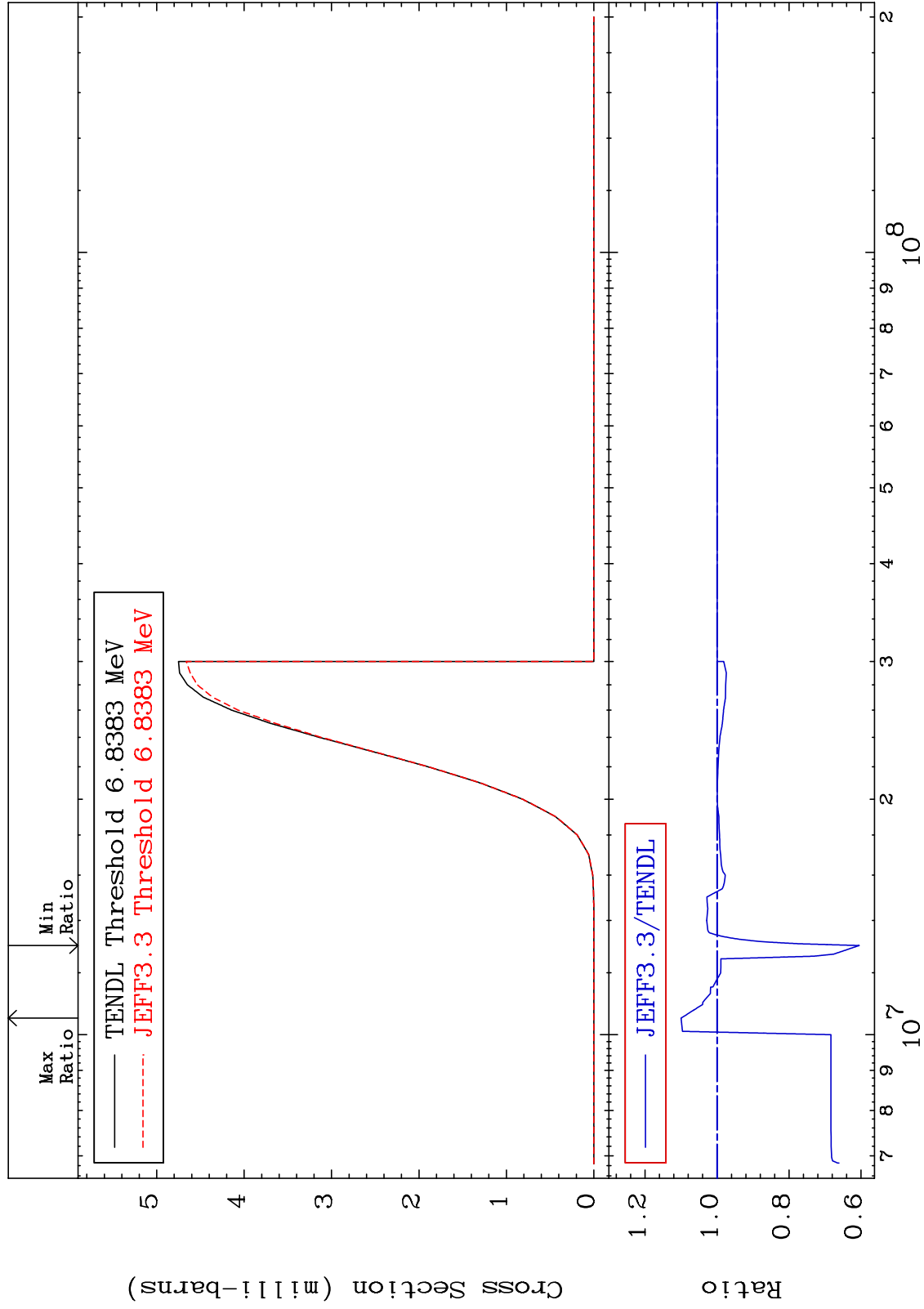
MAT 7837

(n, t)

78-Pt-194

Cross Section

-39.52 To 10.00 %



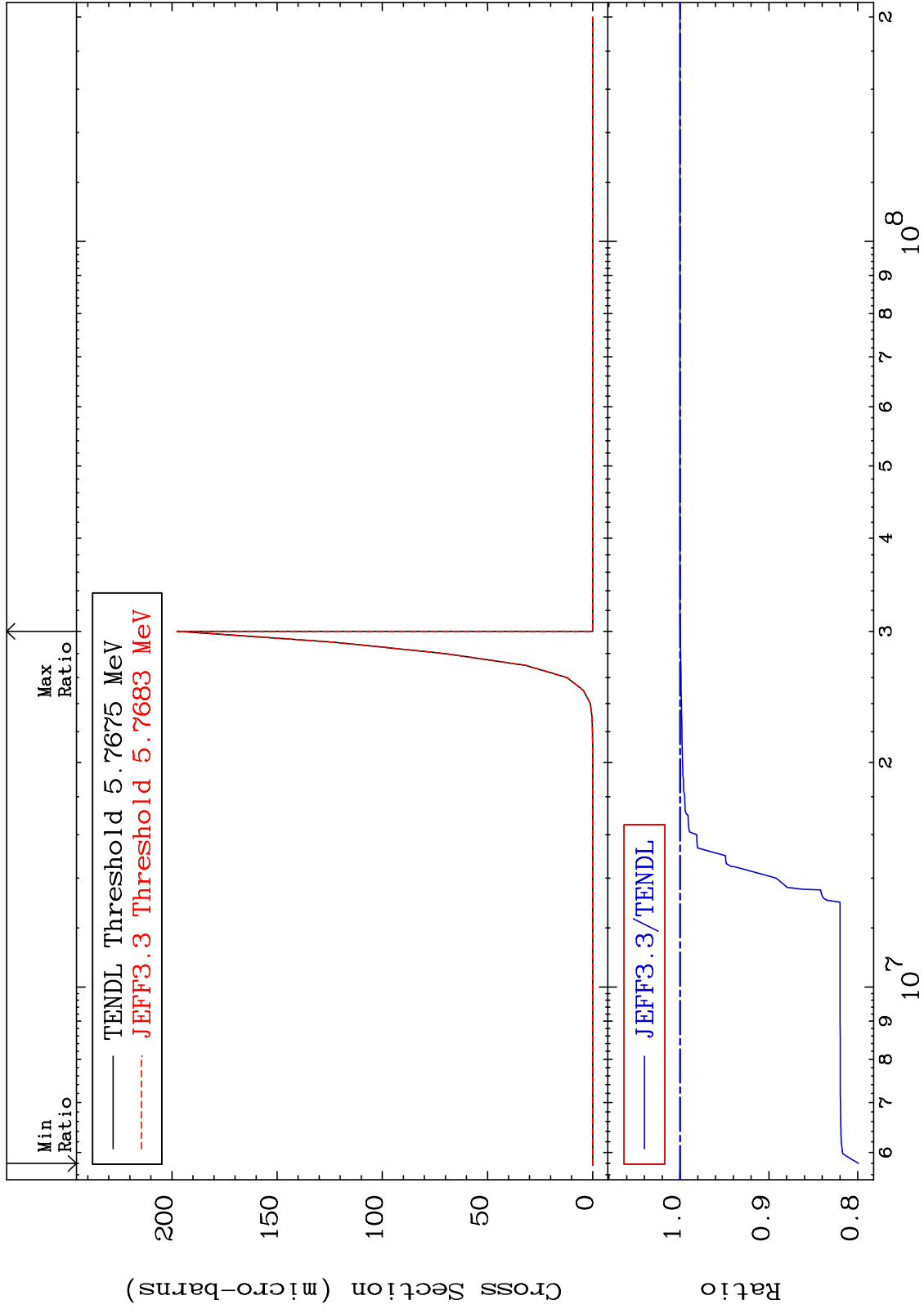
MAT 7837

(n, He-3)

78-Pt-194

Cross Section

-20.07 To 0.000 %



55

Incident Energy (eV)

78-Pt-194

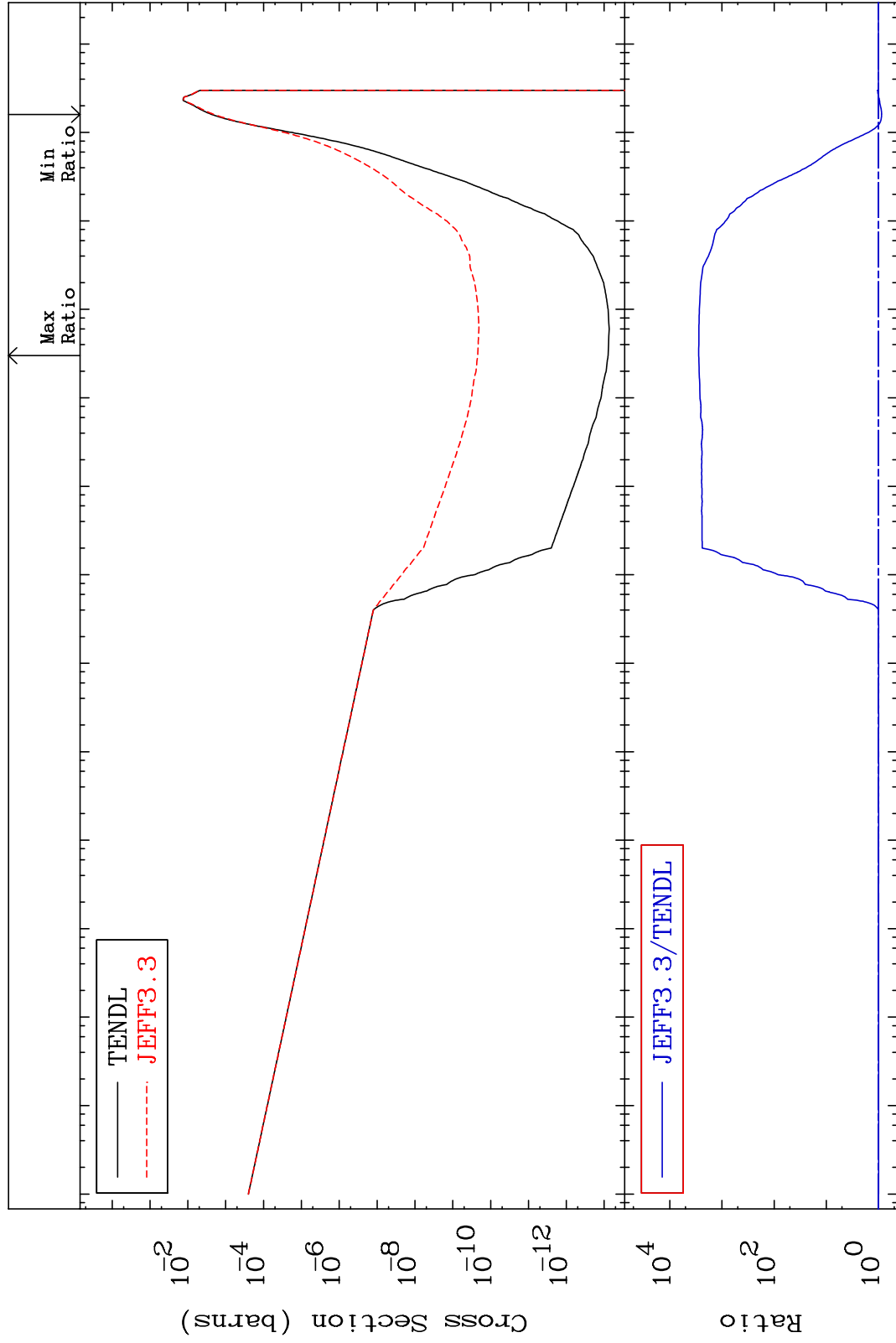
MAT 7837

(n, α)

78-Pt-194

Cross Section

-12.72 To 9999. %



56

Incident Energy (eV)

78-Pt-194

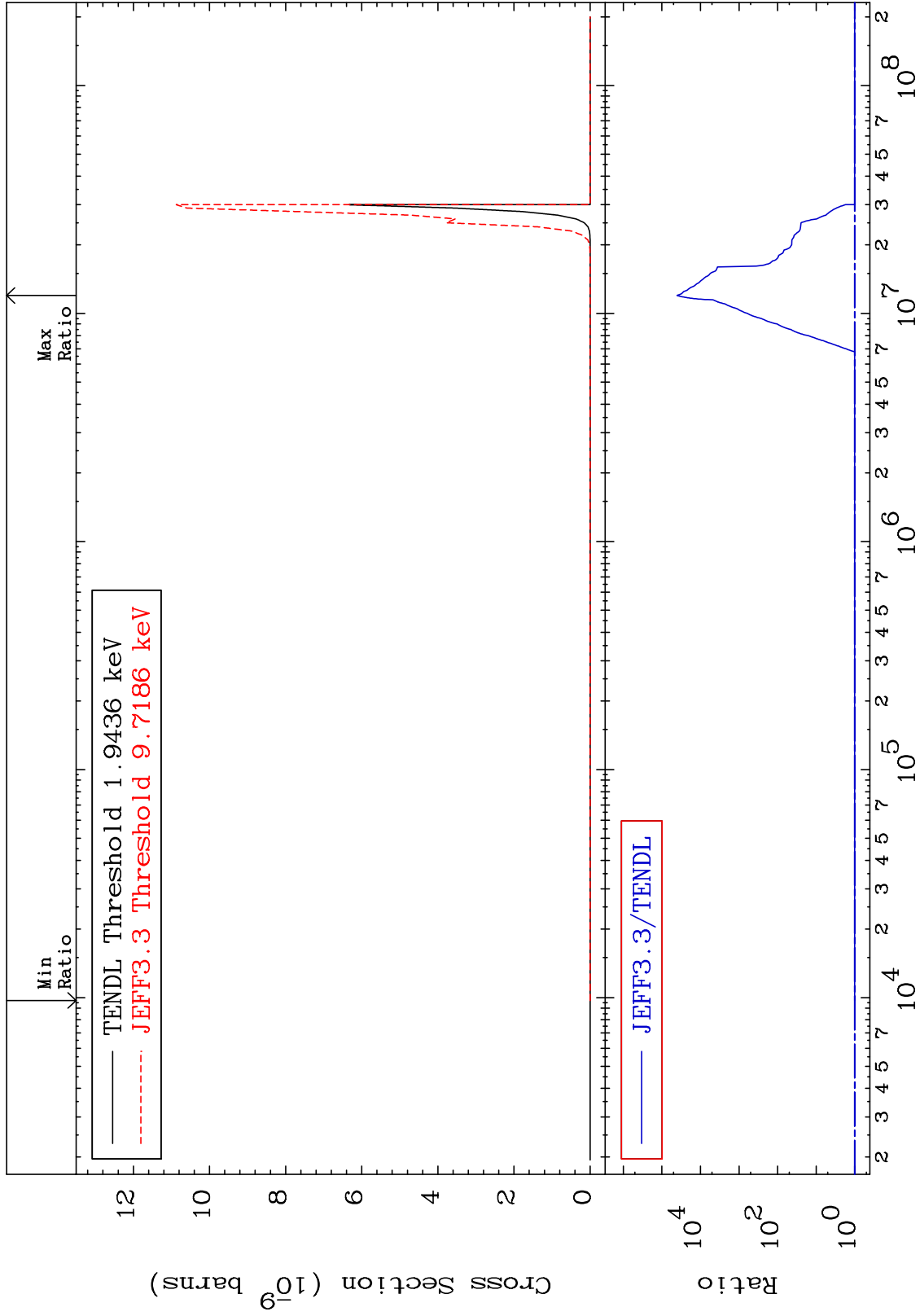
MAT 7837

(n, 2α)

78-Pt-194

Cross Section

0.000 To 9999. %



57

Incident Energy (eV)

78-Pt-194

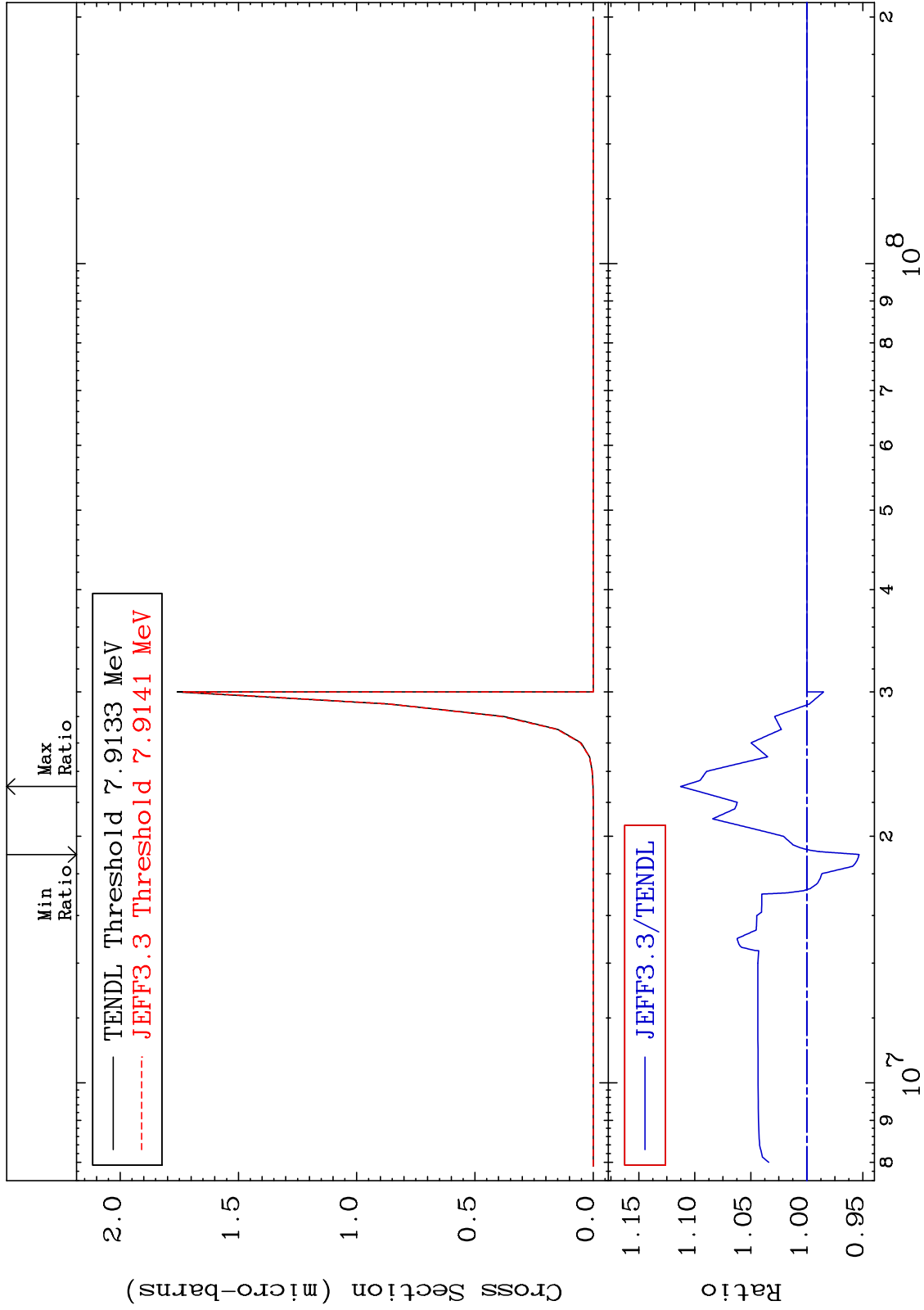
MAT 7837

(n,2p)

78-Pt-194

Cross Section

-4.670 To 11.27 %



58

Incident Energy (eV)

78-Pt-194

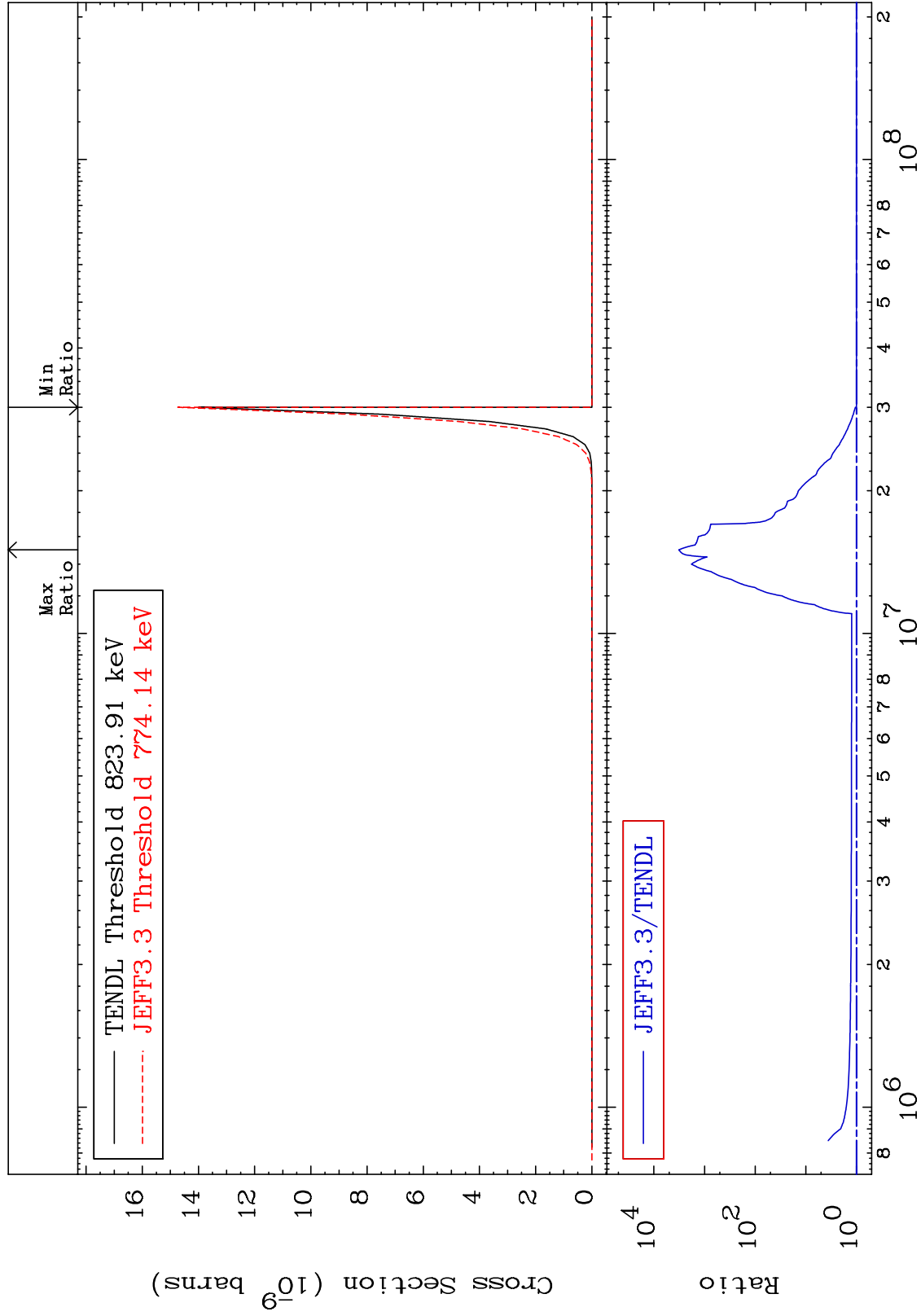
MAT 7837

(n,p) α

78-Pt-194

Cross Section

0.000 To 9999. %



59

Incident Energy (eV)

78-Pt-194

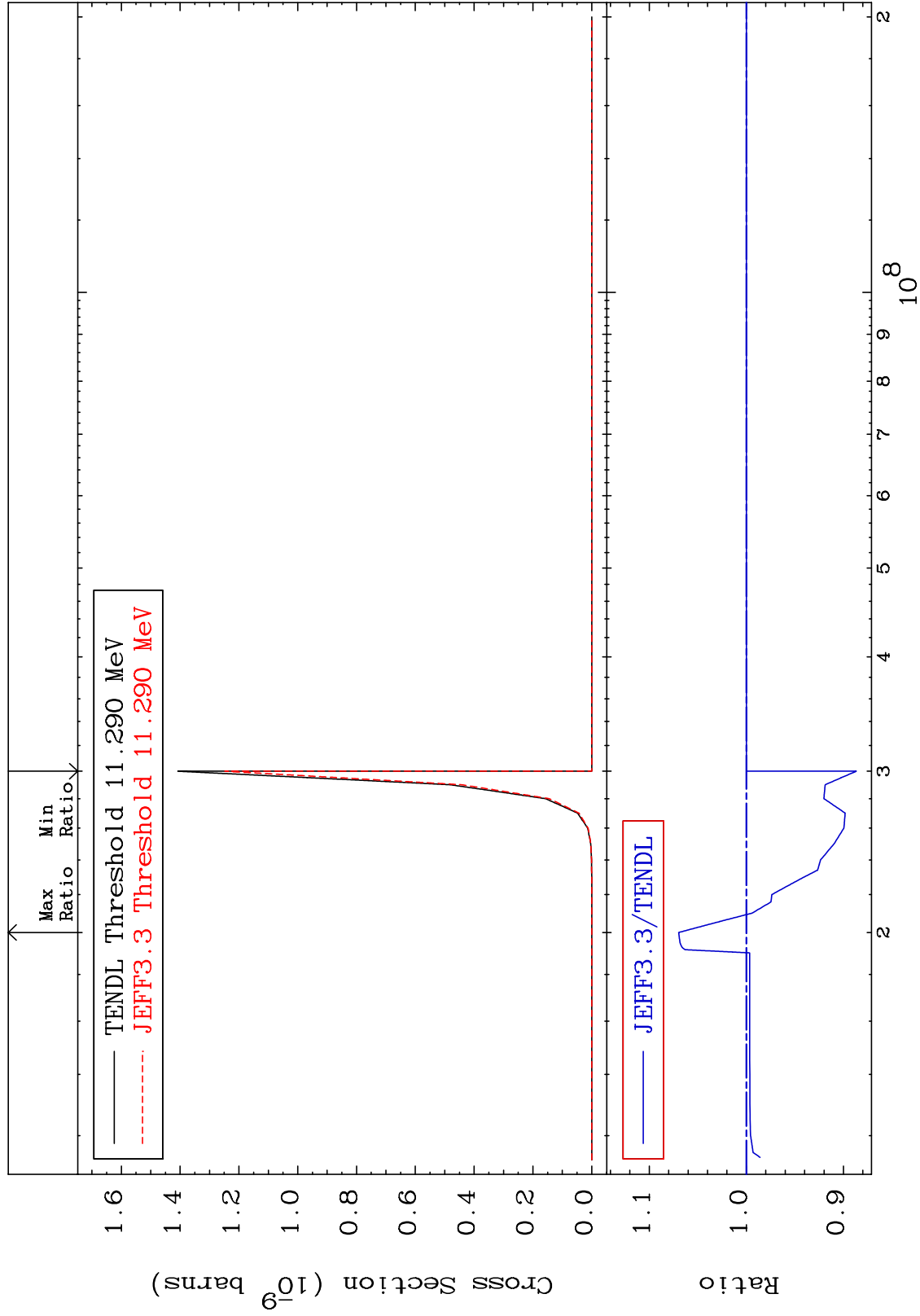
MAT 7837

(n,p) d

78-Pt-194

Cross Section

-11.32 To 6.966 %



60

Incident Energy (eV)

78-Pt-194

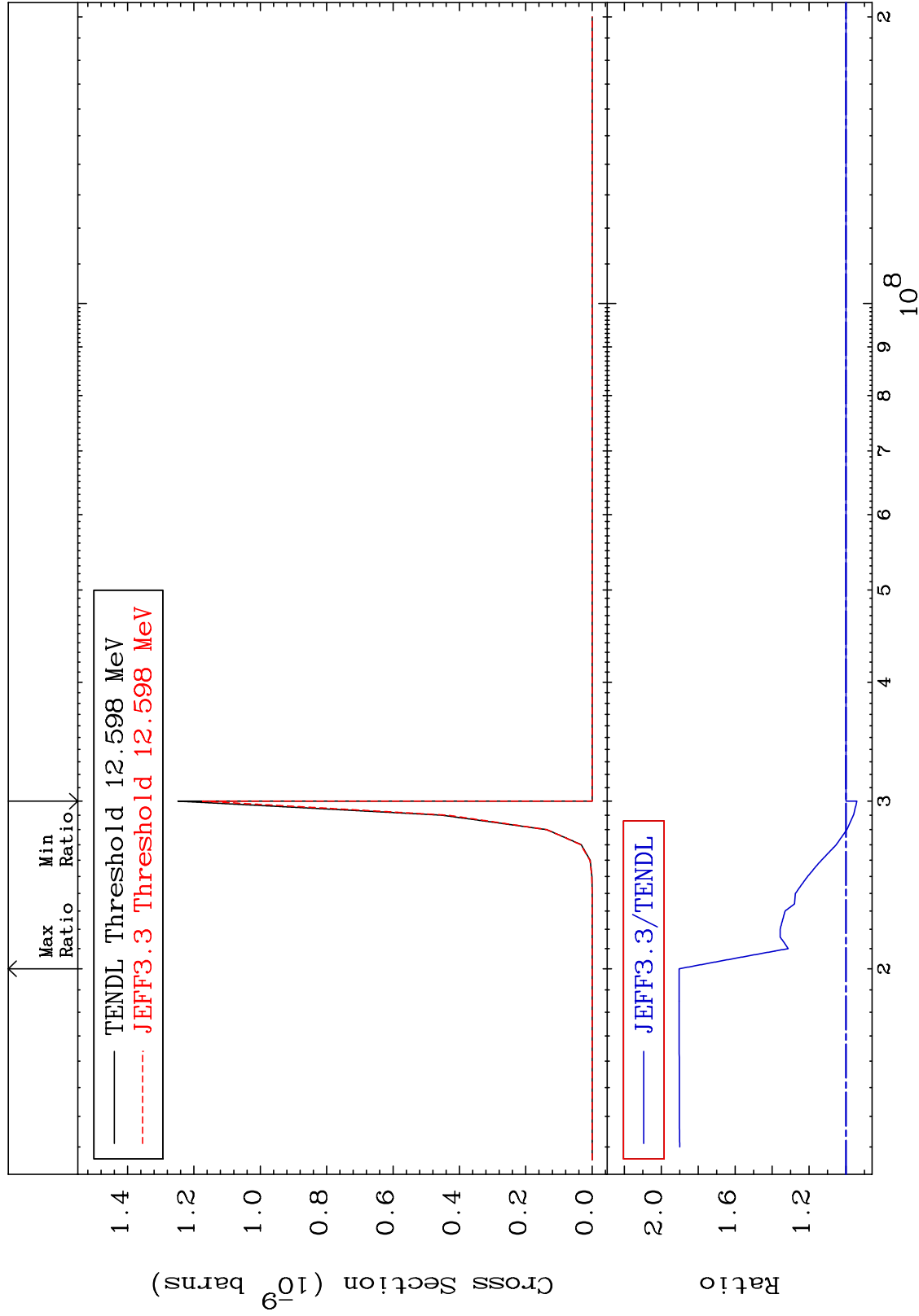
MAT 7837

(n,p) t

78-Pt-194

Cross Section

-5.947 To 90.30 %



61

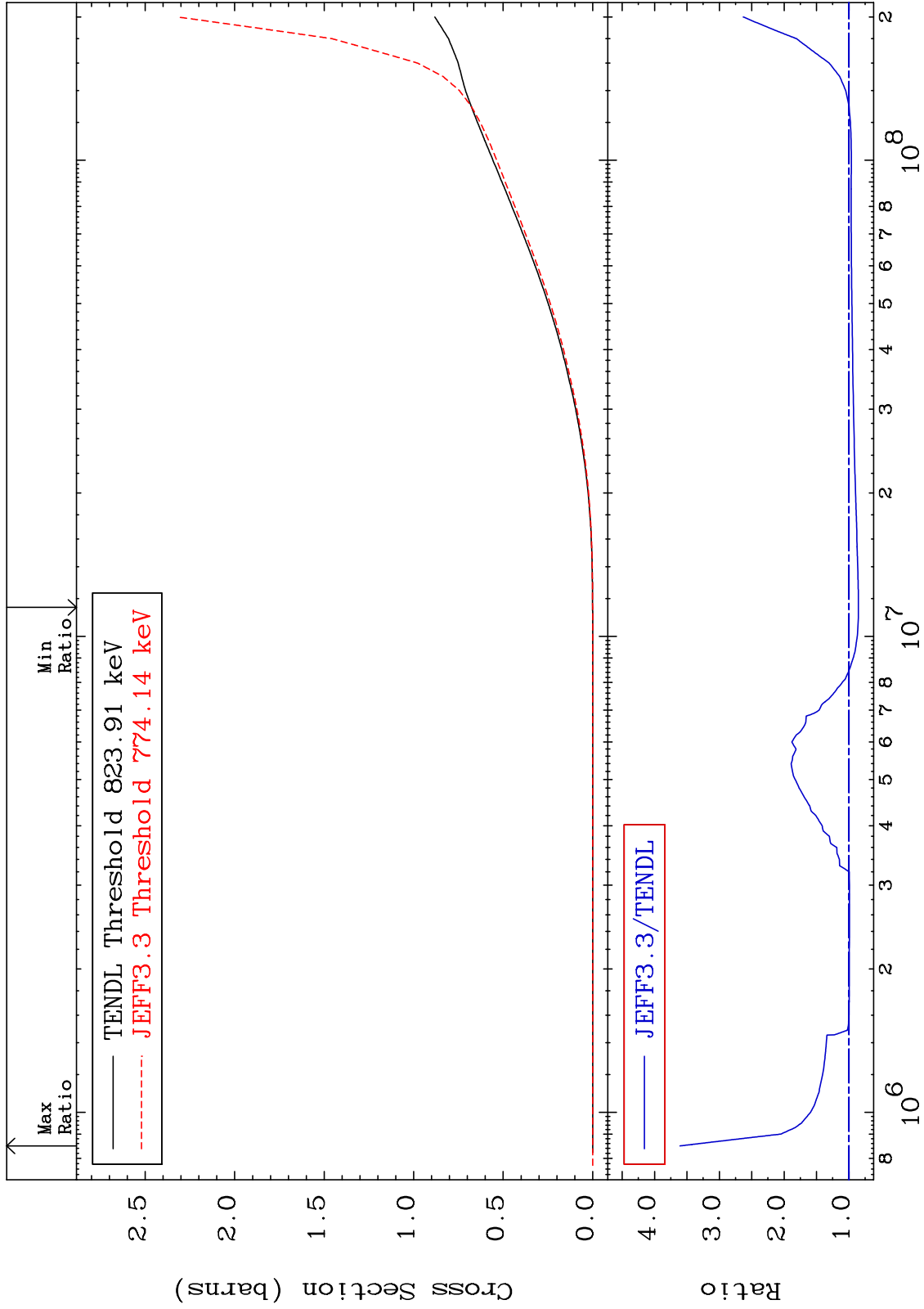
Incident Energy (eV)

78-Pt-194

MAT 7837

Hydrogen Production
Cross Section

78-Pt-194
-14.71 To 260.7 %



62

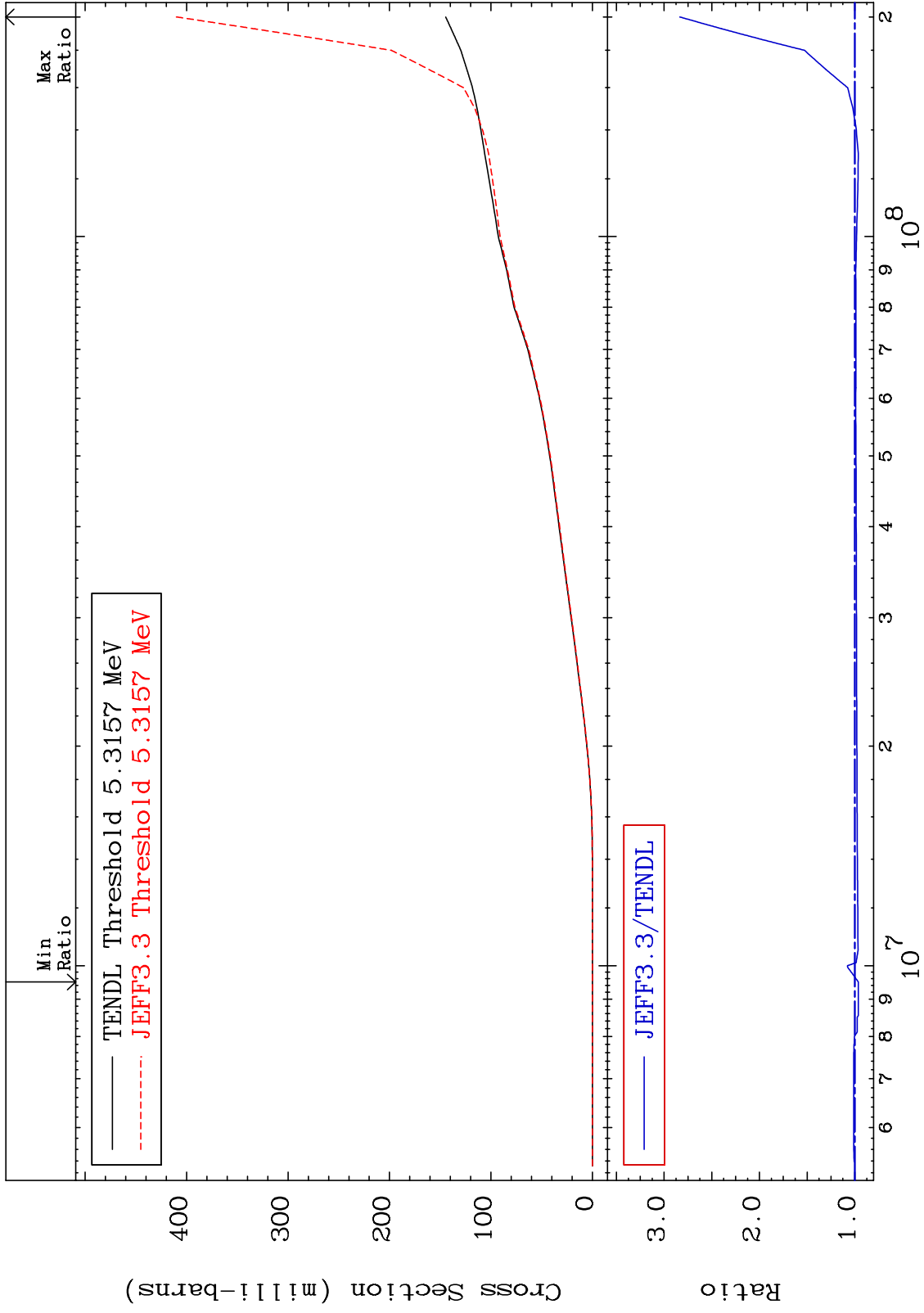
Incident Energy (eV)

78-Pt-194

MAT 7837

Deuterium Production
Cross Section

78-Pt-194
-3.719 To 183.5 %



63

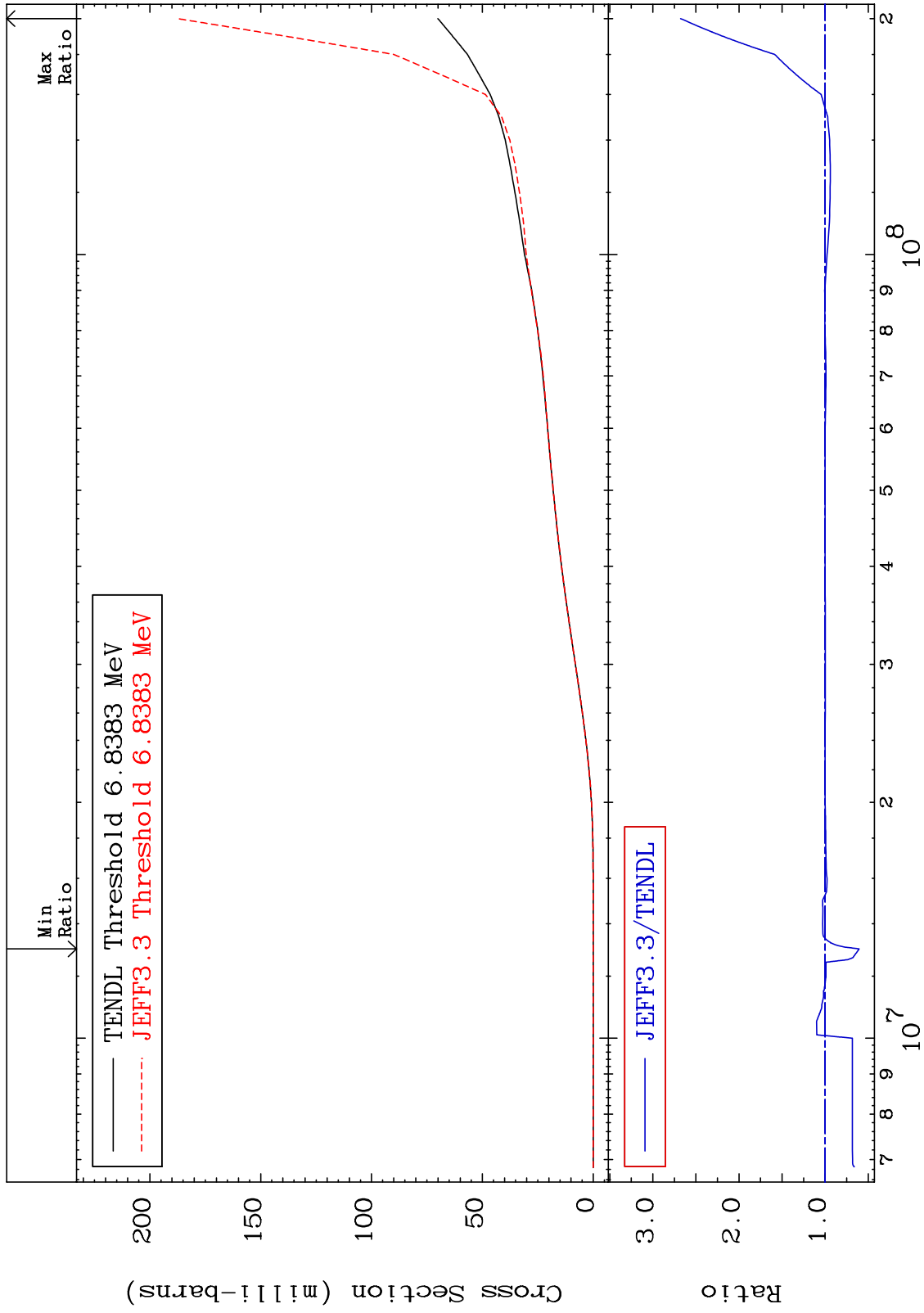
Incident Energy (eV)

78-Pt-194

MAT 7837

Tritium Production
Cross Section

78-Pt-194
-39.52 To 167.7 %



64

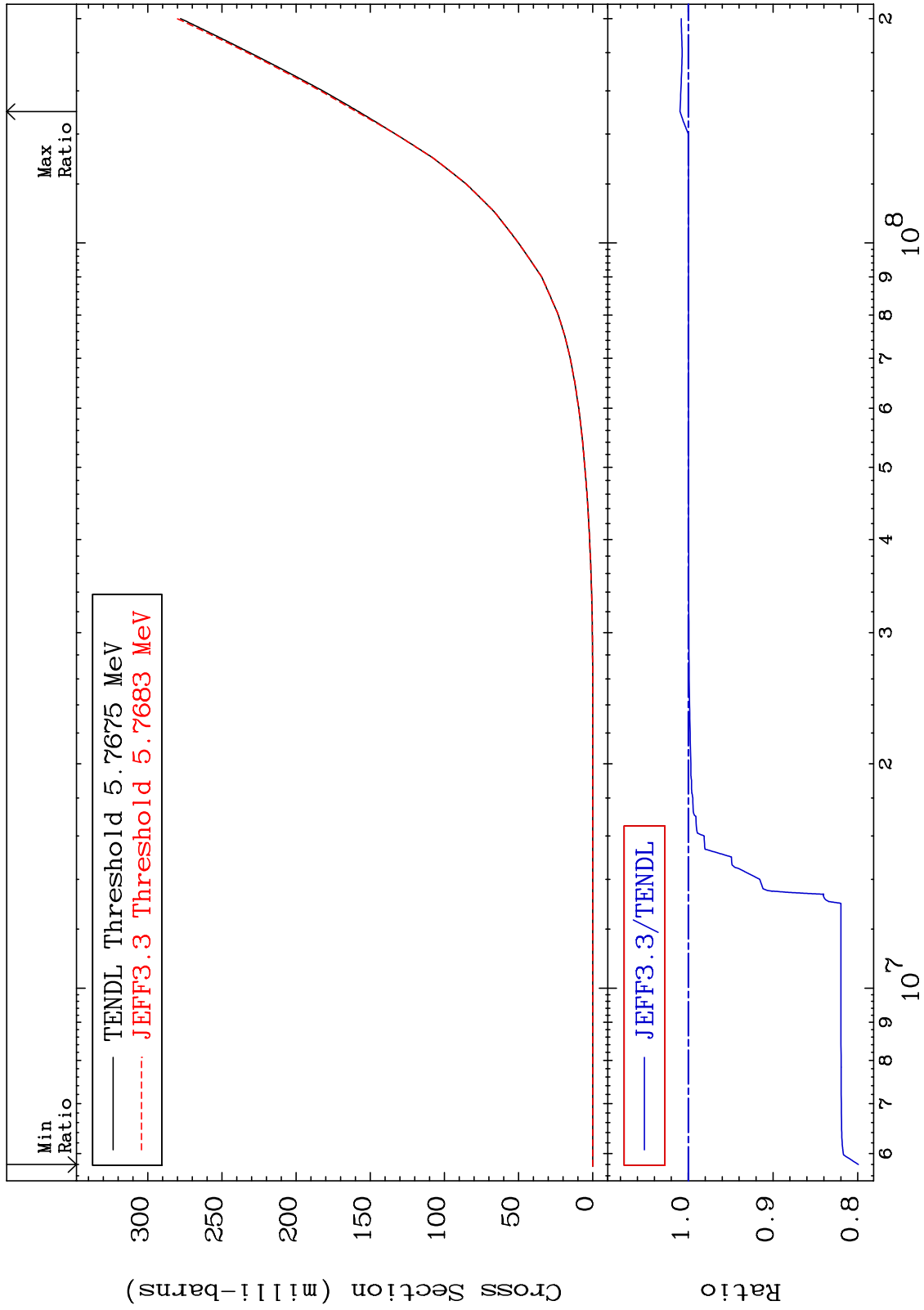
Incident Energy (eV)

78-Pt-194

MAT 7837

He-3 Production
Cross Section

78-Pt-194
-20.07 To 0.974 %



65

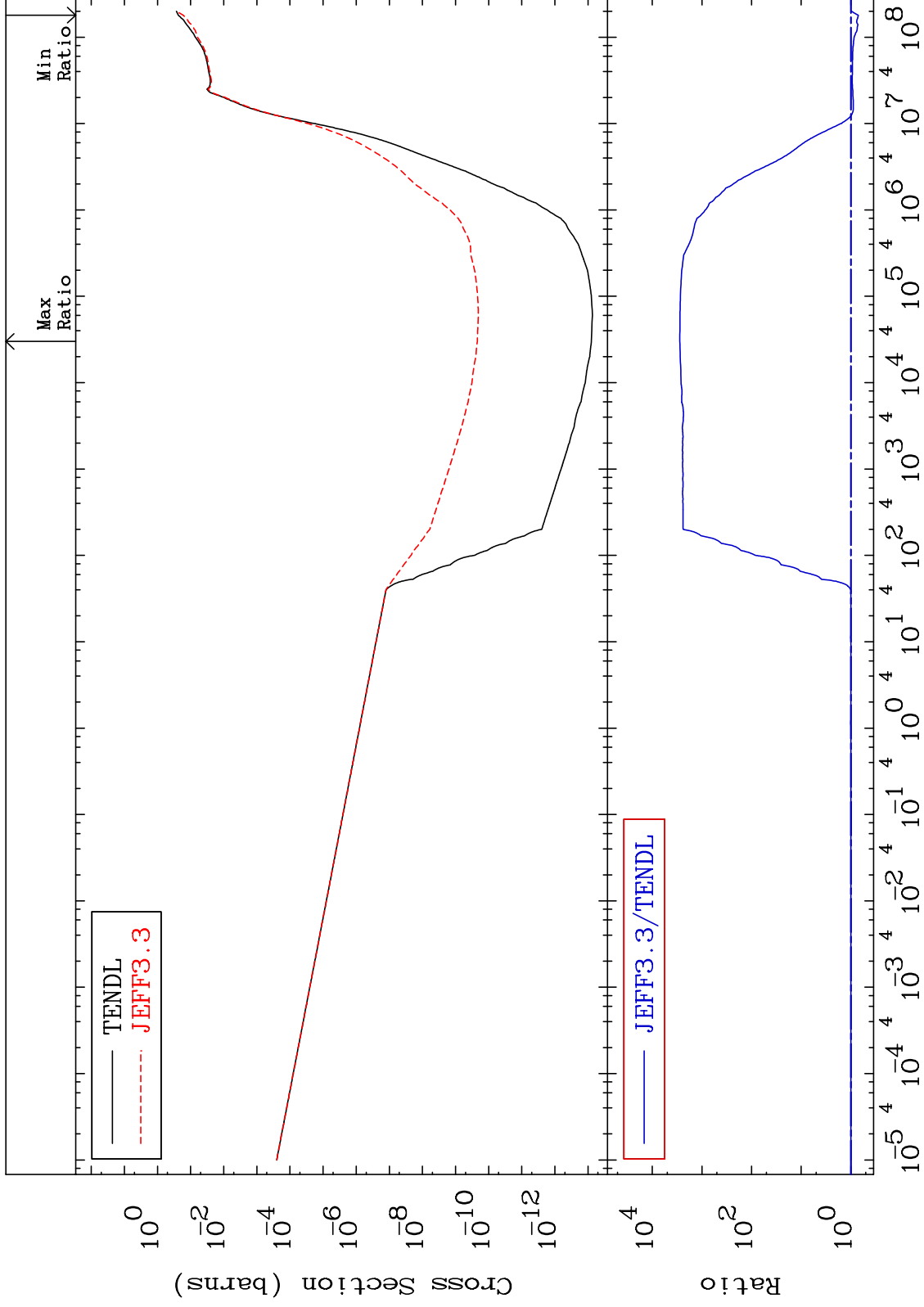
Incident Energy (eV)

78-Pt-194

MAT 7837

He-4 Production
Cross Section

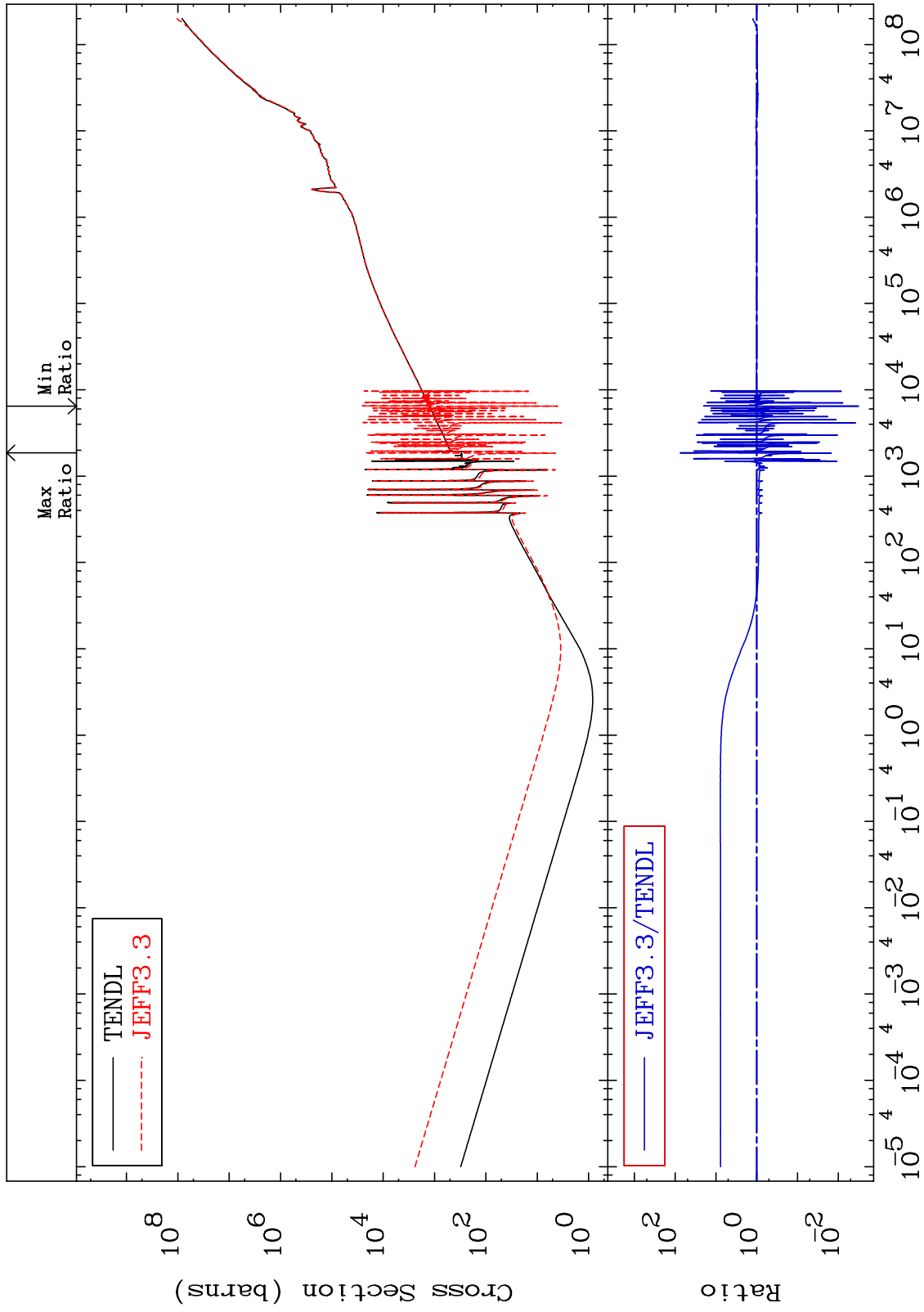
78-Pt-194
-29.35 To 9999. %



MAT 7837

Kerma total (eV-barns)
Cross Section

78-Pt-194
-99.68 To 7520. %



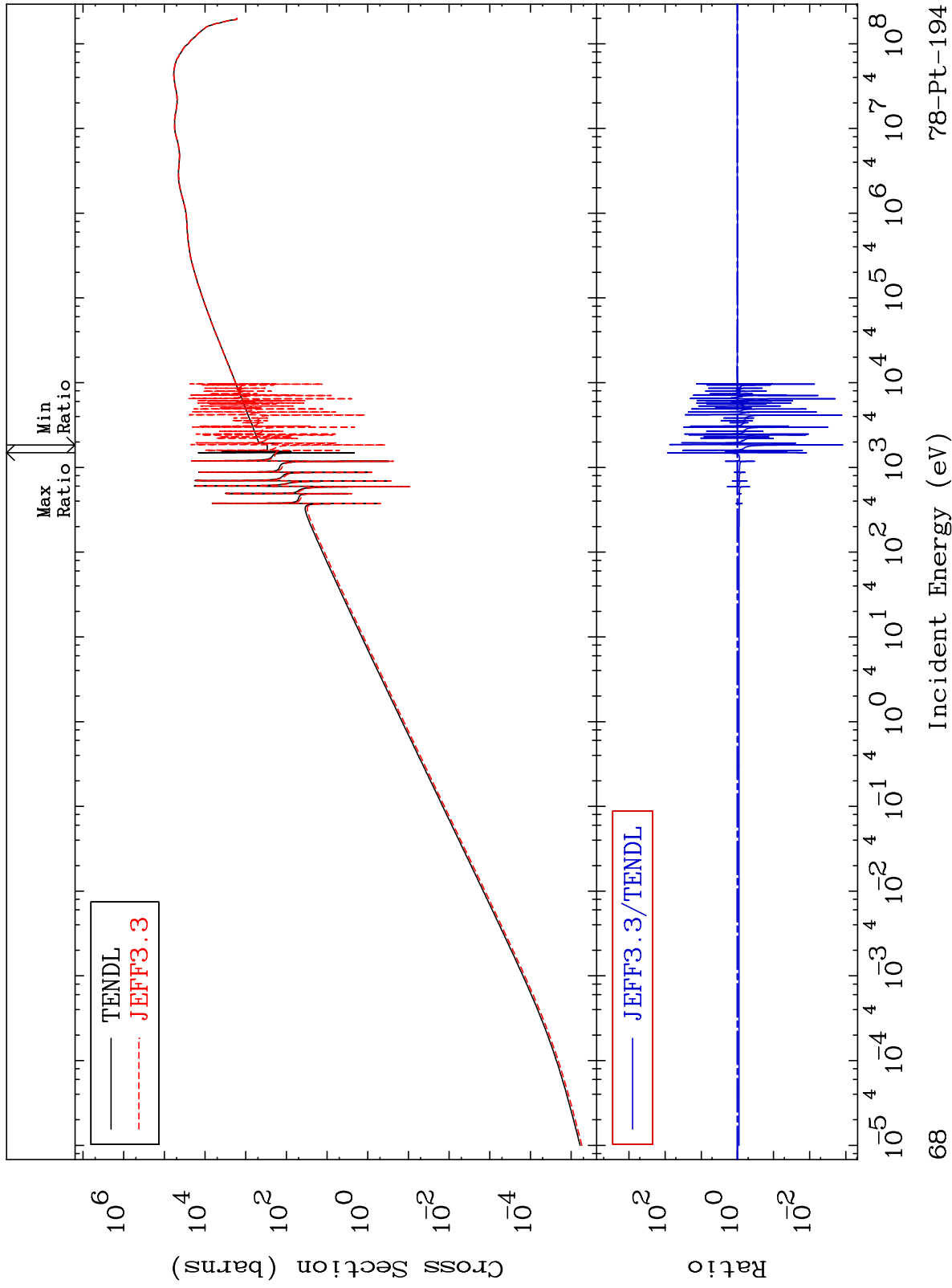
67

78-Pt-194

MAT 7837

Kerma elastic
Cross Section

78-Pt-194
-99.88 To 8428. %



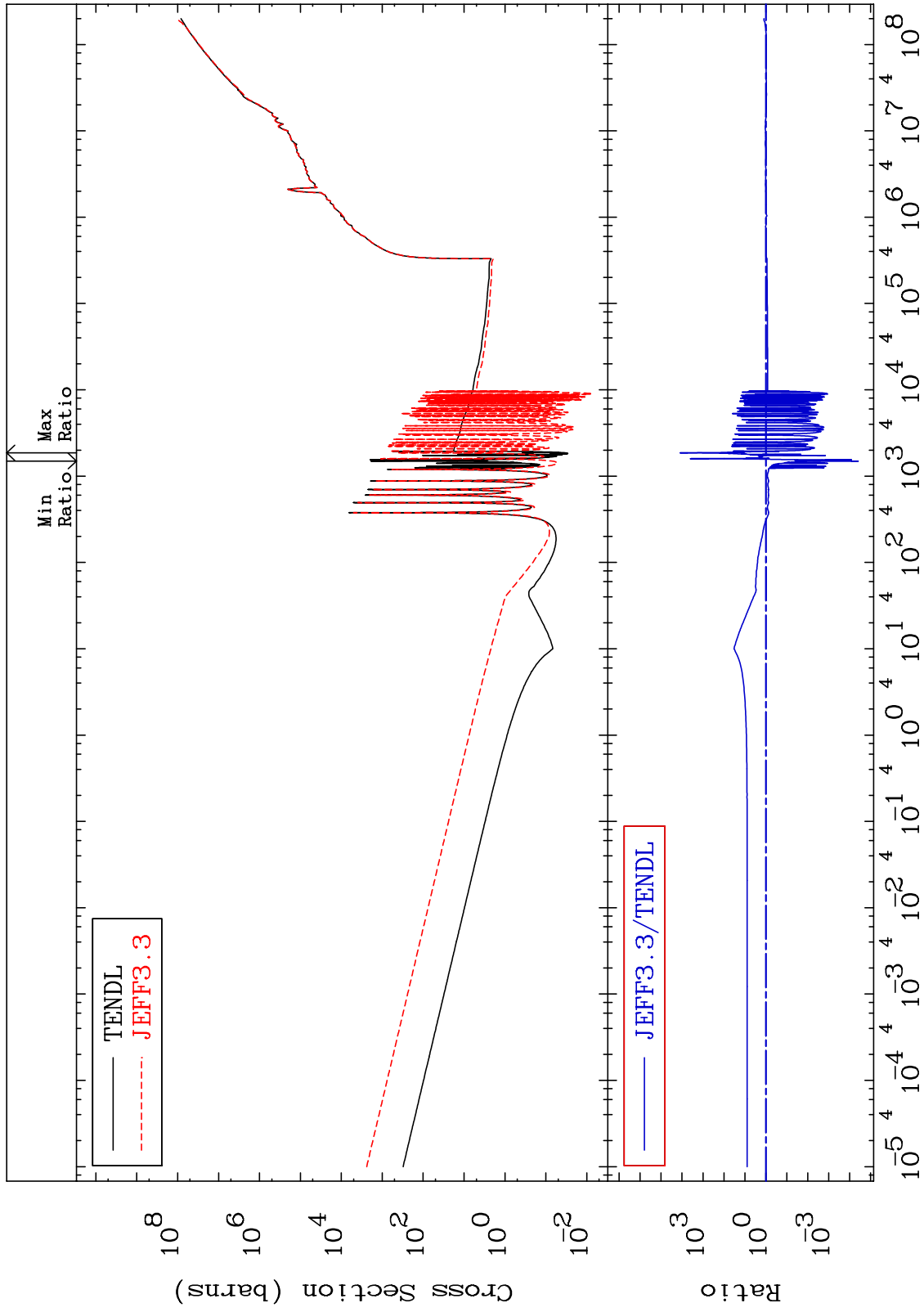
68

78-Pt-194

MAT 7837

Kerma non-elastic (all but mt2)
Cross Section

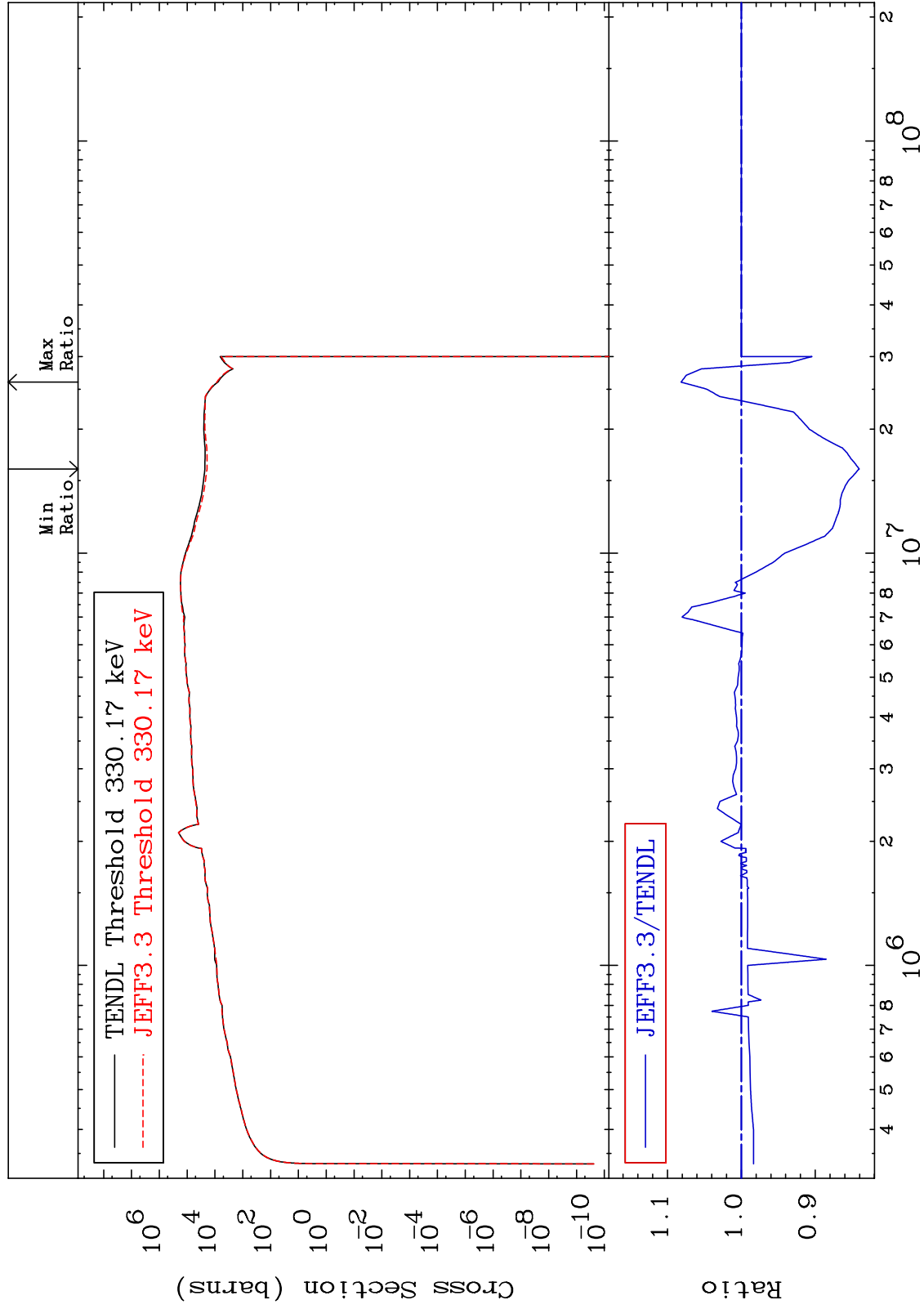
78-Pt-194
-100.0 To 9999. %



MAT 7837

Kerma inelastic (mt51-91)
Cross Section

78-Pt-194
-15.96 To 8.158 %



70

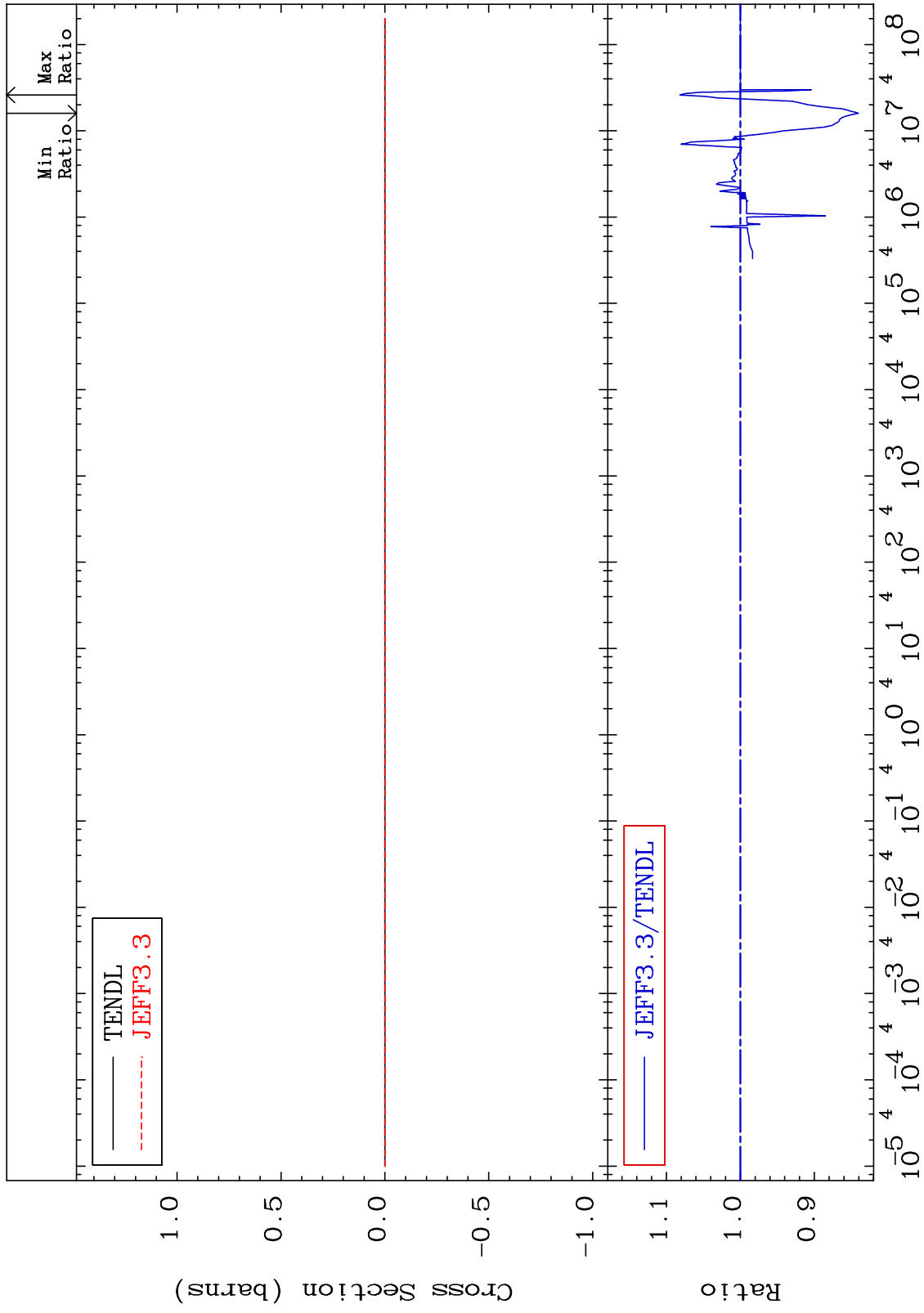
Incident Energy (eV)

78-Pt-194

MAT 7837

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

78-Pt-194
-15.96 To 8.158 %



71

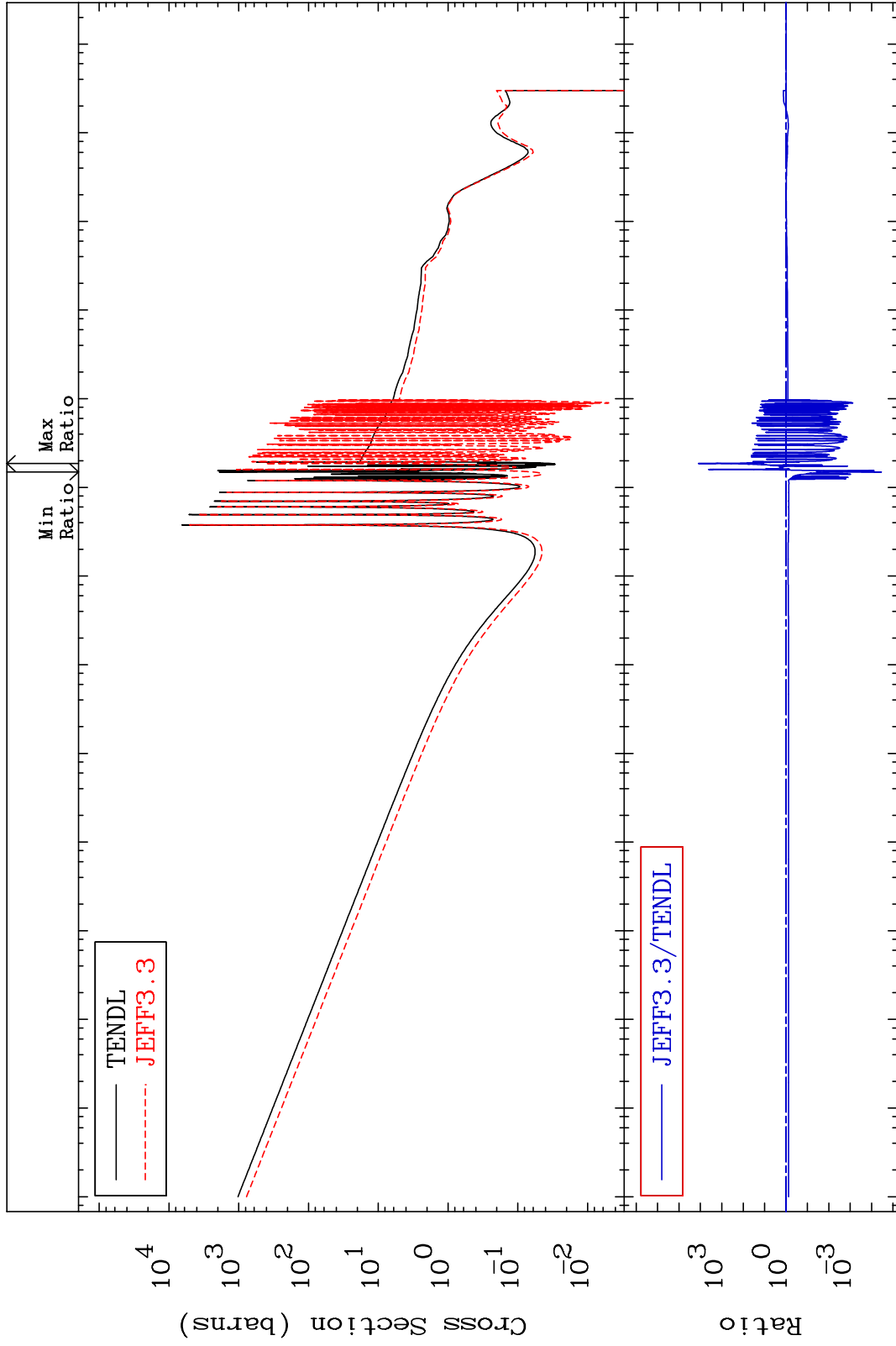
Incident Energy (eV)

78-Pt-194

MAT 7837

Kerma capture (mt102)
Cross Section

78-Pt-194
-100.0 To 9999. %



72

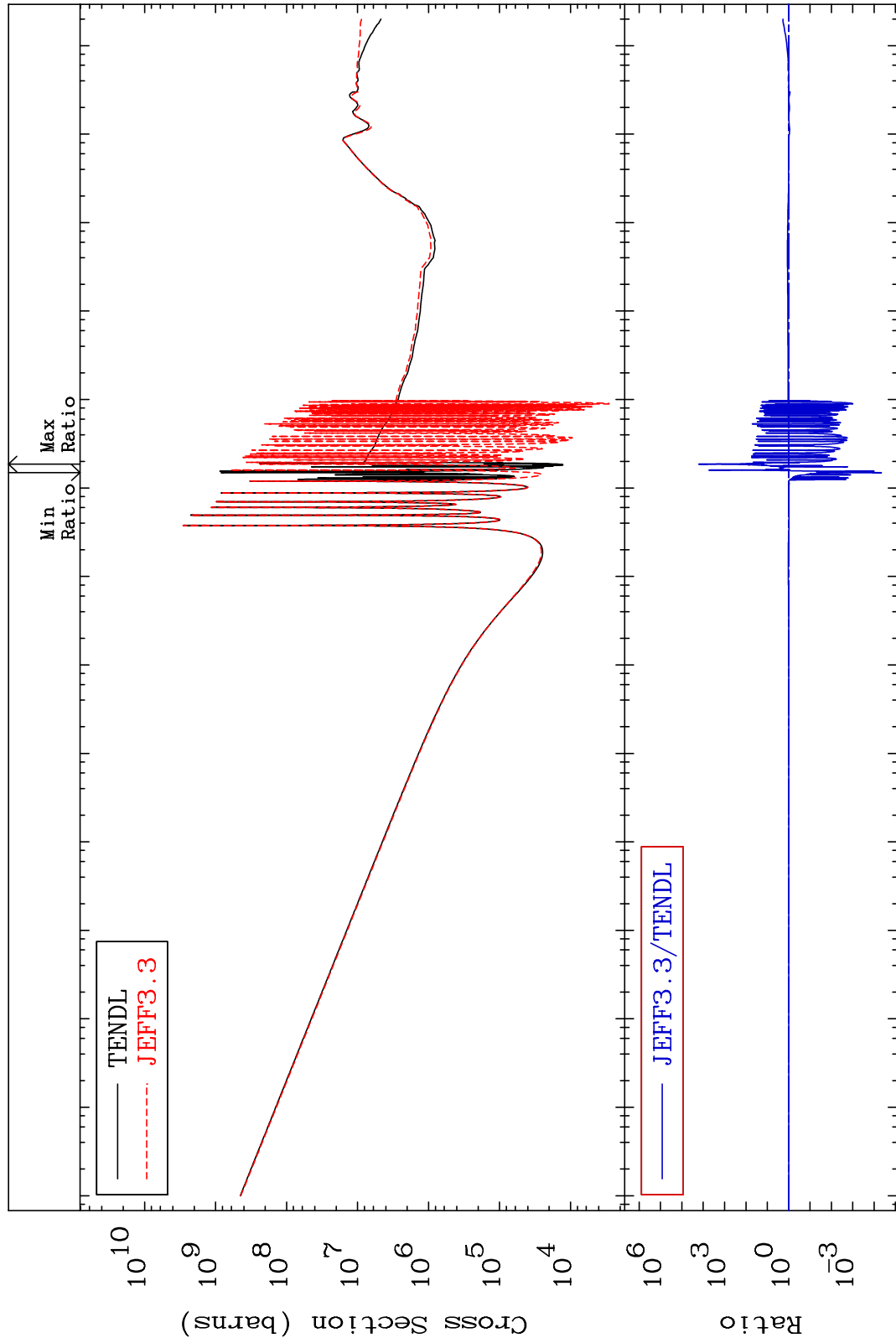
Incident Energy (eV)

78-Pt-194

MAT 7837

Total photon (eV-barns)
Cross Section

78-Pt-194
-100.0 To 9999. %



73

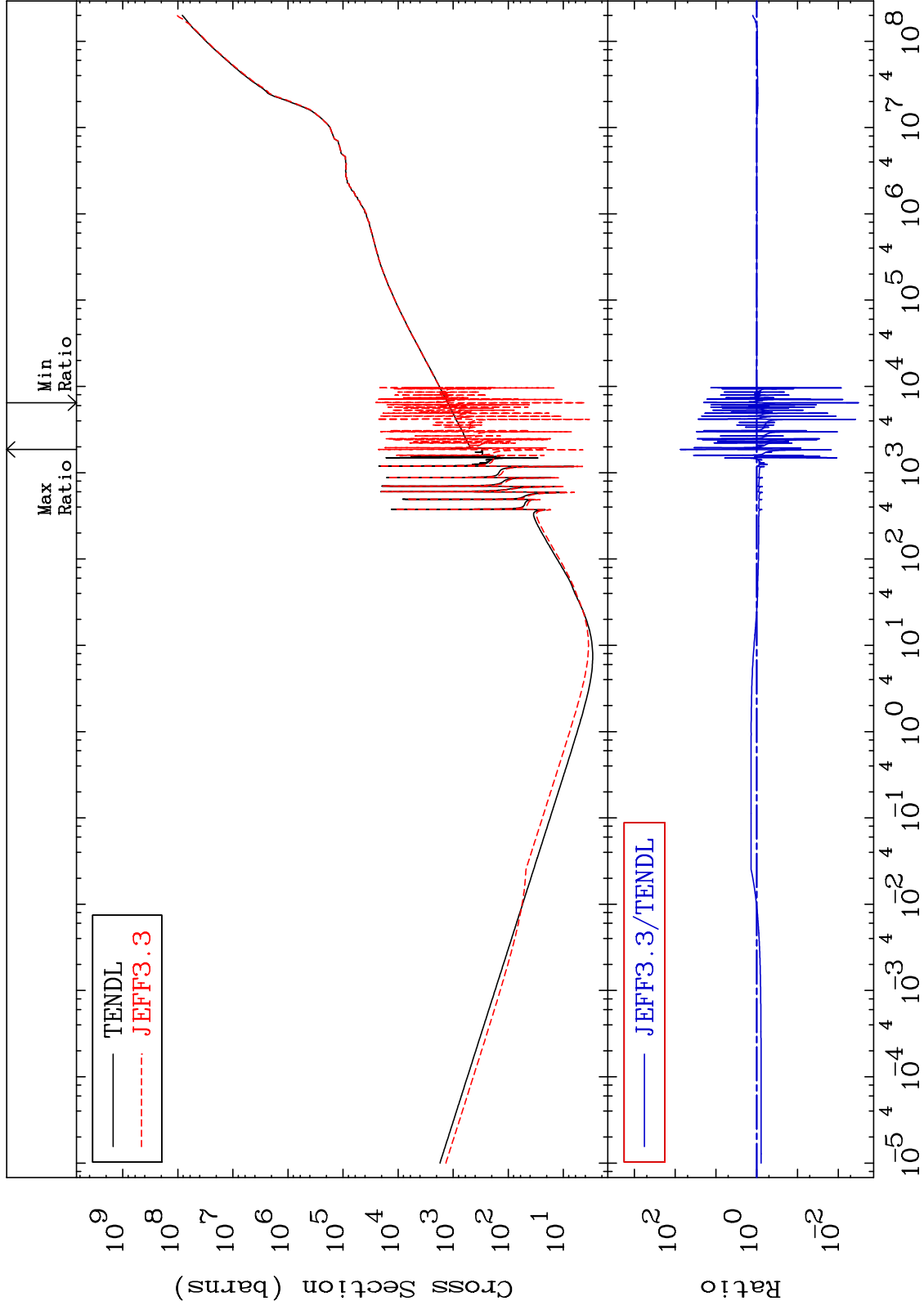
Incident Energy (eV)

78-Pt-194

MAT 7837

Total kinematic kerma (high limit)
Cross Section

78-Pt-194
-99.68 To 7520. %



74

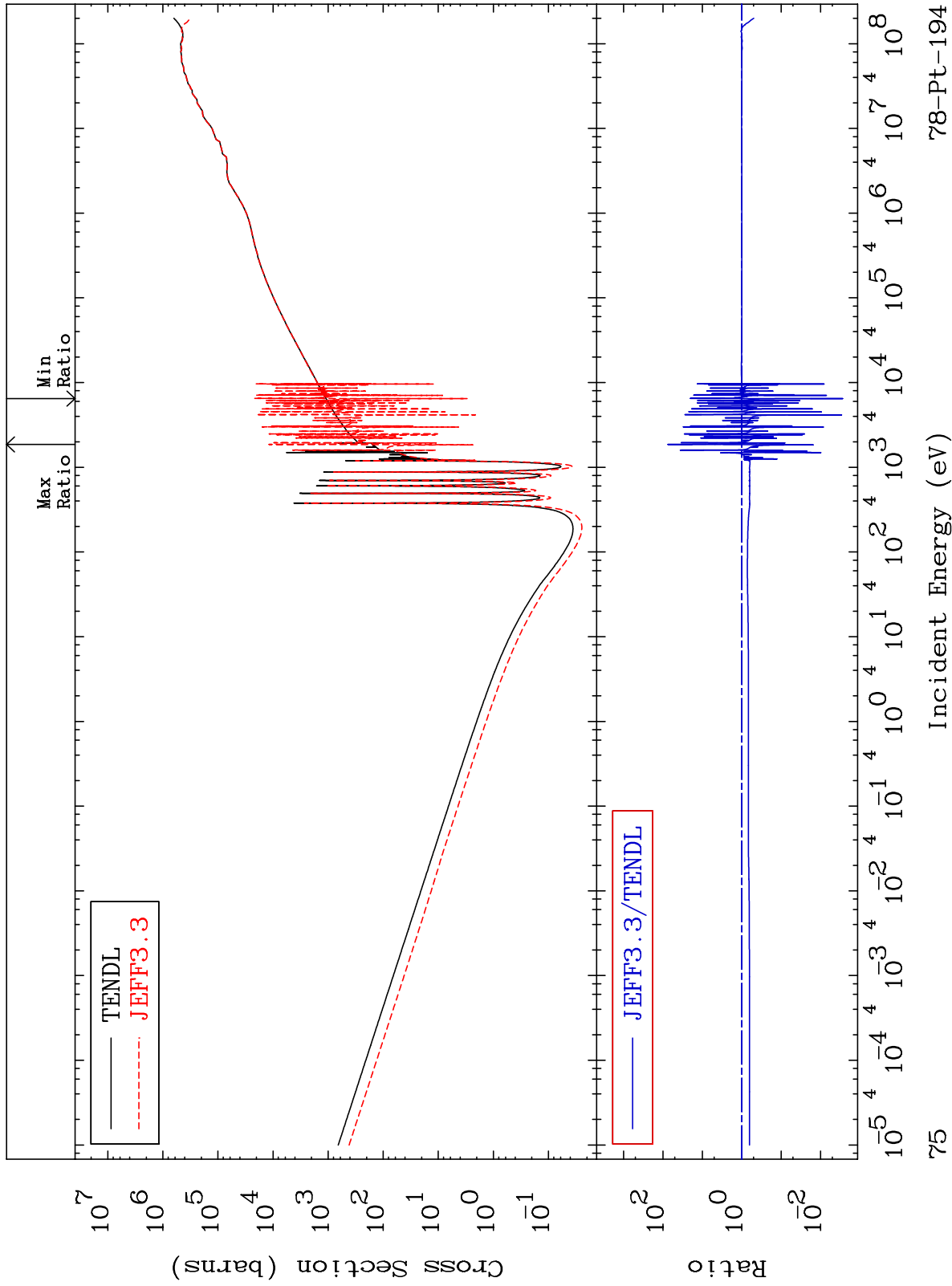
Incident Energy (eV)

78-Pt-194

MAT 7837

Dpa total (eV-barns)
Cross Section

78-Pt-194
-99.73 To 7523. %



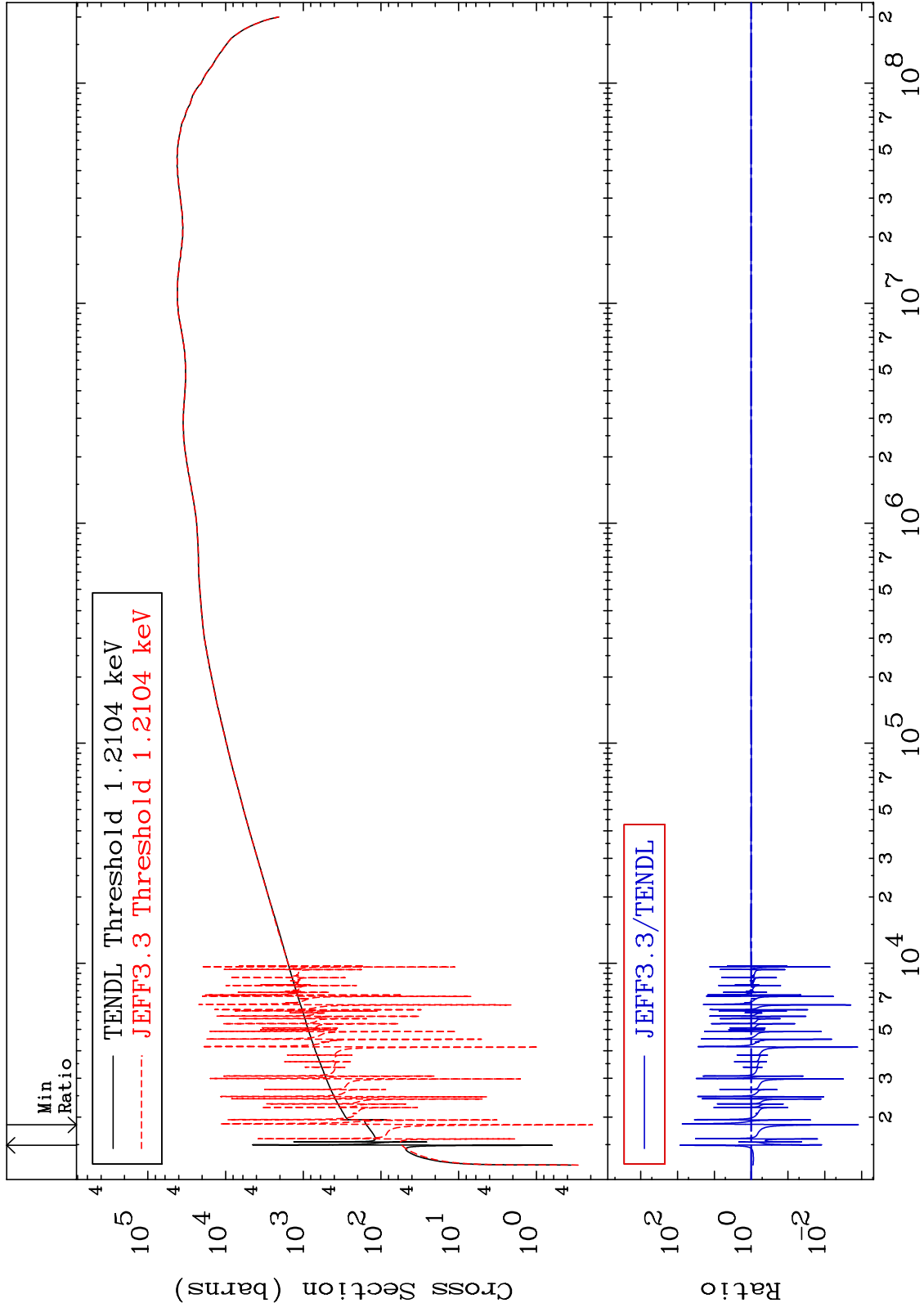
75

78-Pt-194

MAT 7837

Dpa elastic (mt2)
Cross Section

78-Pt-194
-99.88 To 8427. %



76

Incident Energy (eV)

78-Pt-194

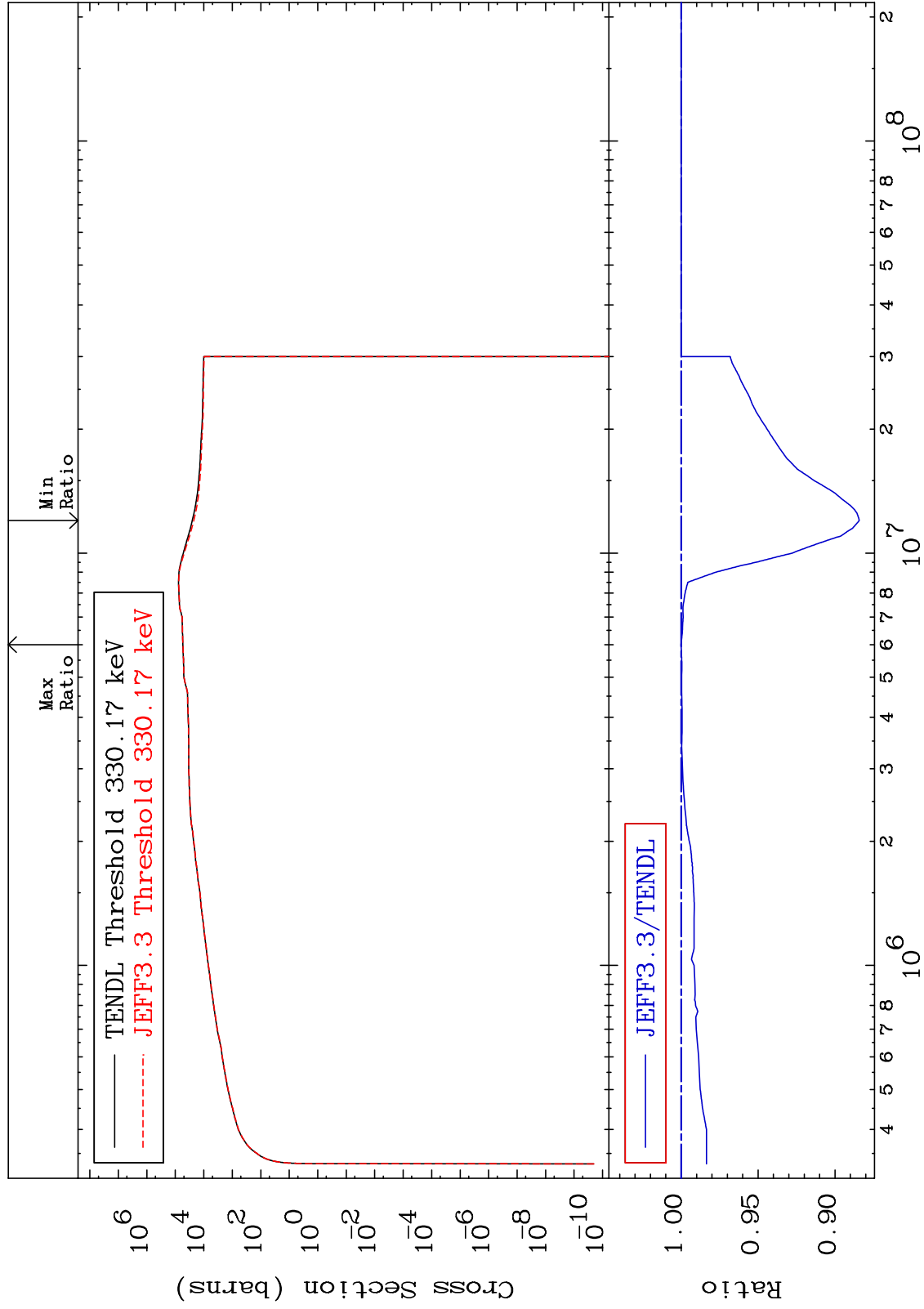
MAT 7837

Dpa inelastic (mt51-91)

78-Pt-194

-11.58 To 0.010 %

Cross Section



77

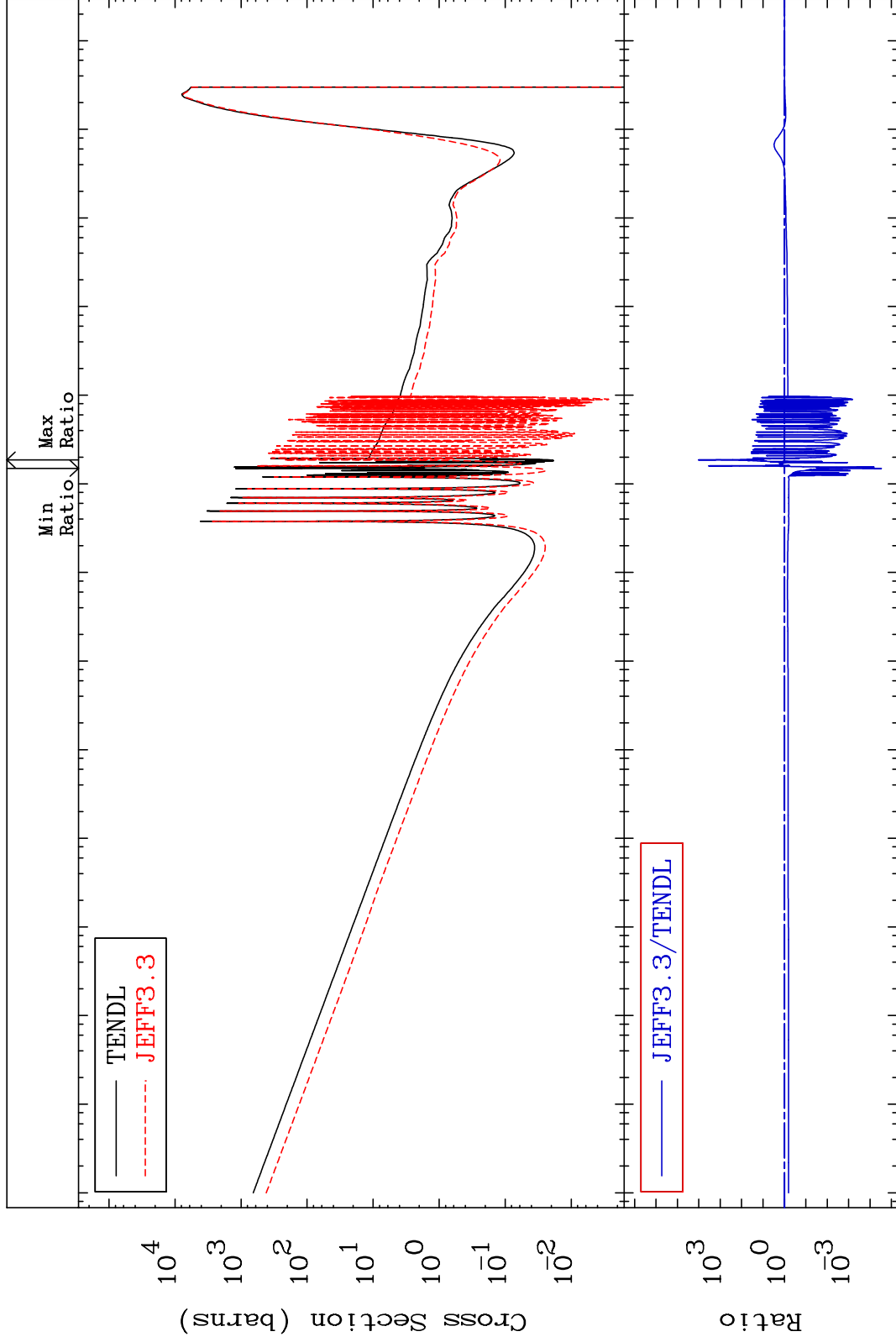
Incident Energy (eV)

78-Pt-194

MAT 7837

Dpa disappearance (mt102 -120)
Cross Section

78-Pt-194
-100.0 To 9999. %



78

Incident Energy (eV)

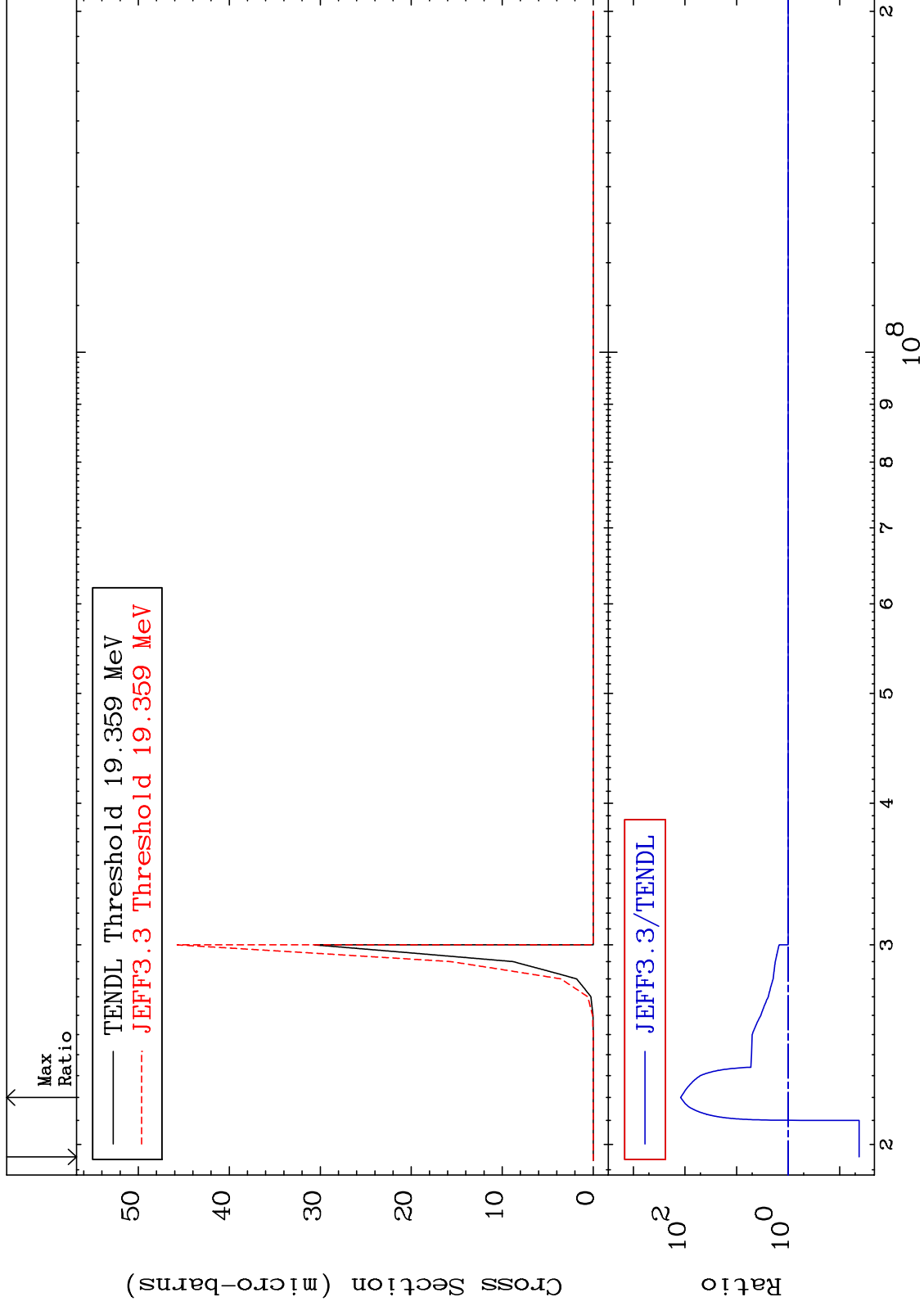
78-Pt-194

MAT 7837

(n,2n) d:77-Ir-191g

78-Pt-194

Radionuclide Production Cross Section -95.81 To 9999. %



79

Incident Energy (eV)

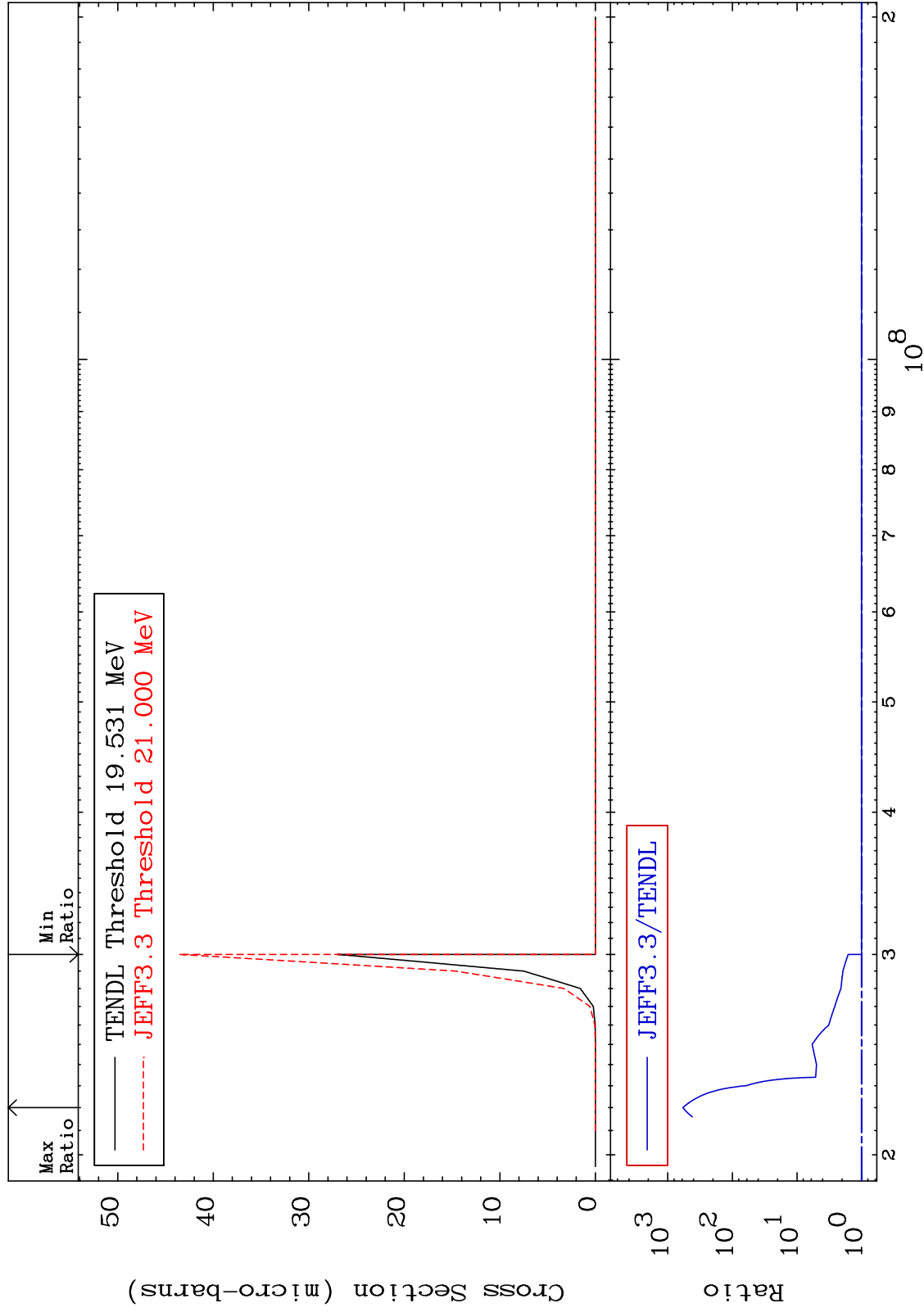
78-Pt-194

MAT 7837

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

78-Pt-194

Radionuclide Production Cross Section 0.000 To 9999. %



80

Incident Energy (eV)

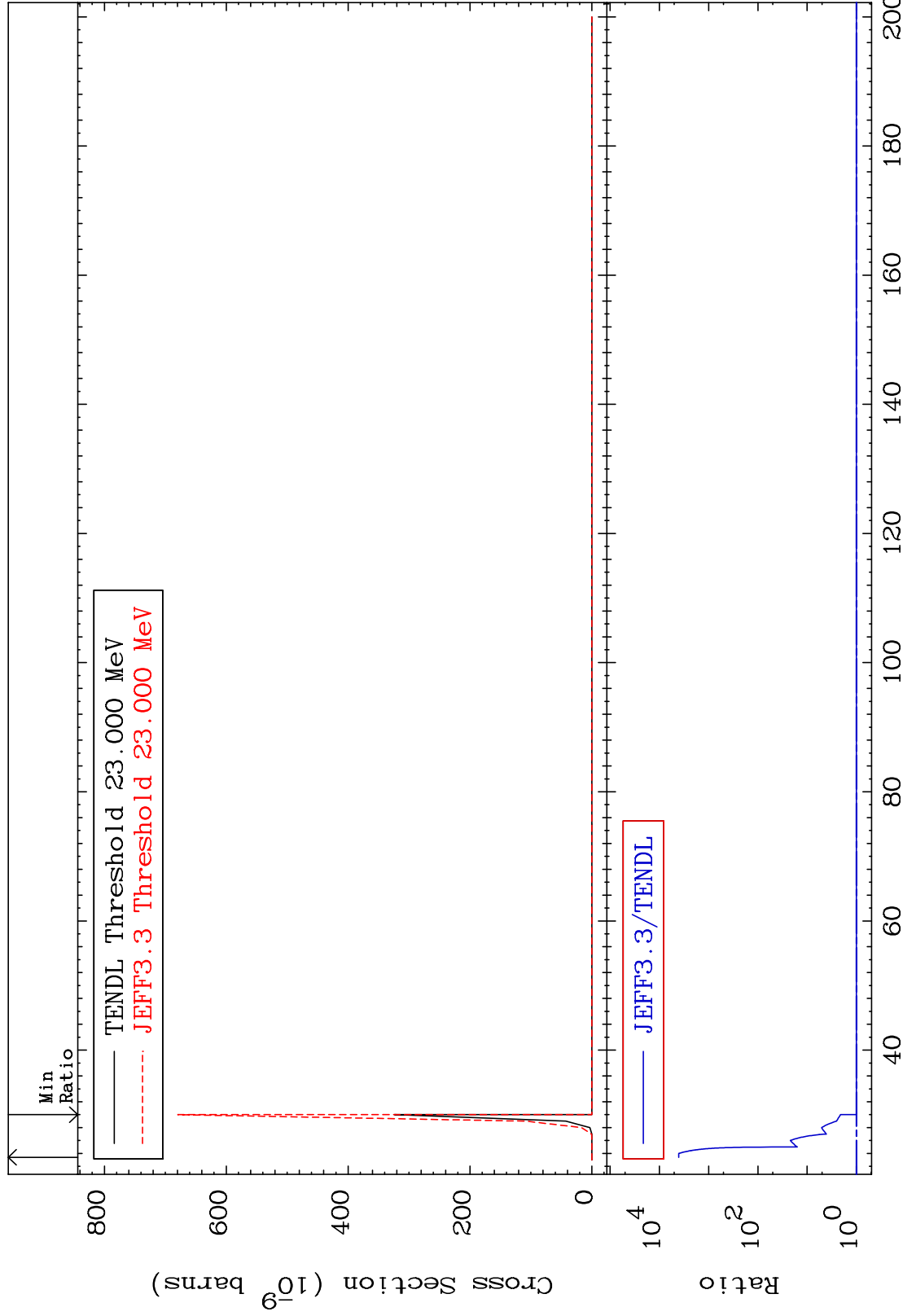
78-Pt-194

MAT 7837

(n,2n) d:77-Ir-191m10

78-Pt-194

Radionuclide Production Cross Section 0.000 To 9999. %



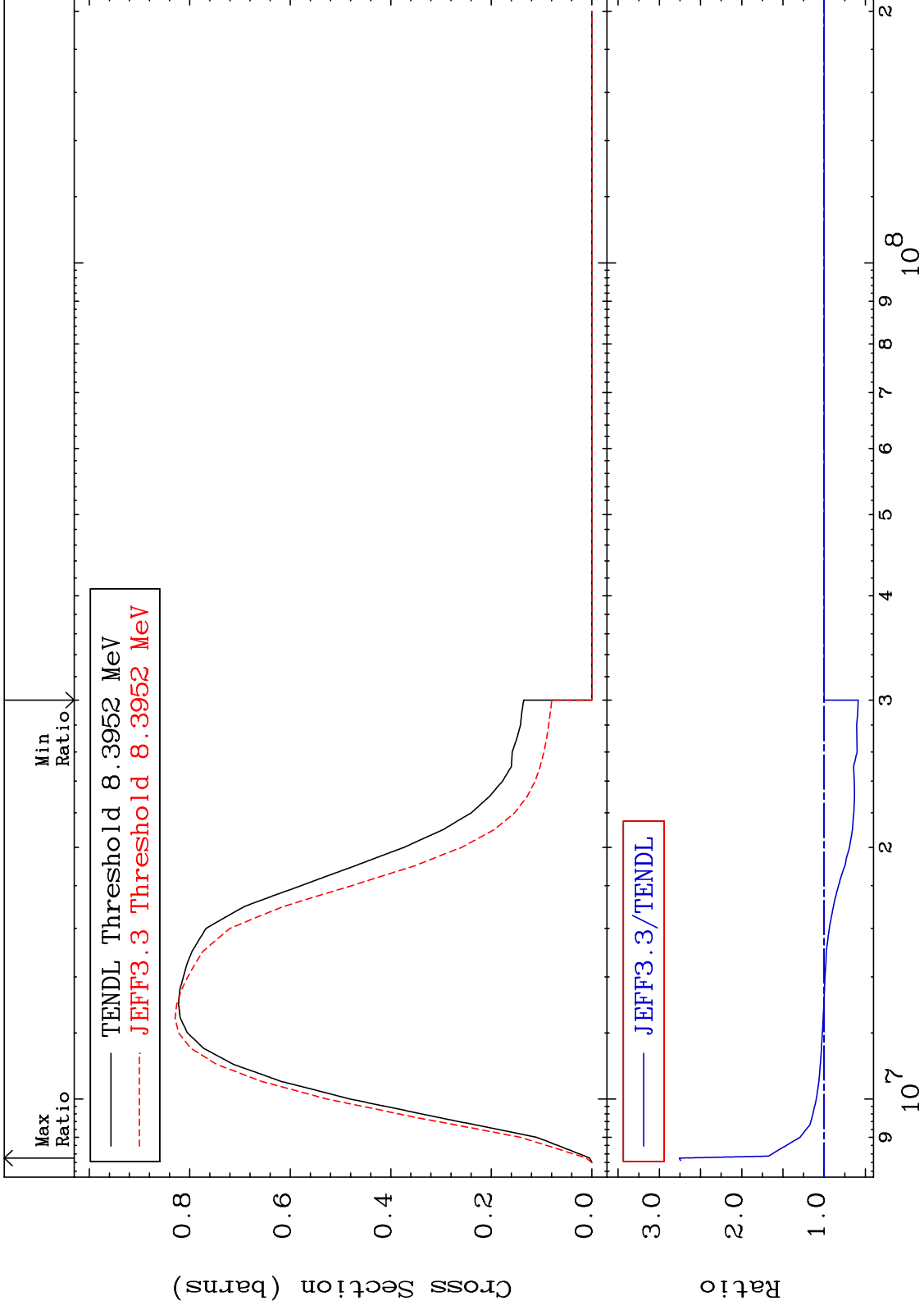
MAT 7837

(n,2n):78-Pt-193g

78-Pt-194

Radionuclide Production Cross Section

-41.36 To 175.7 %

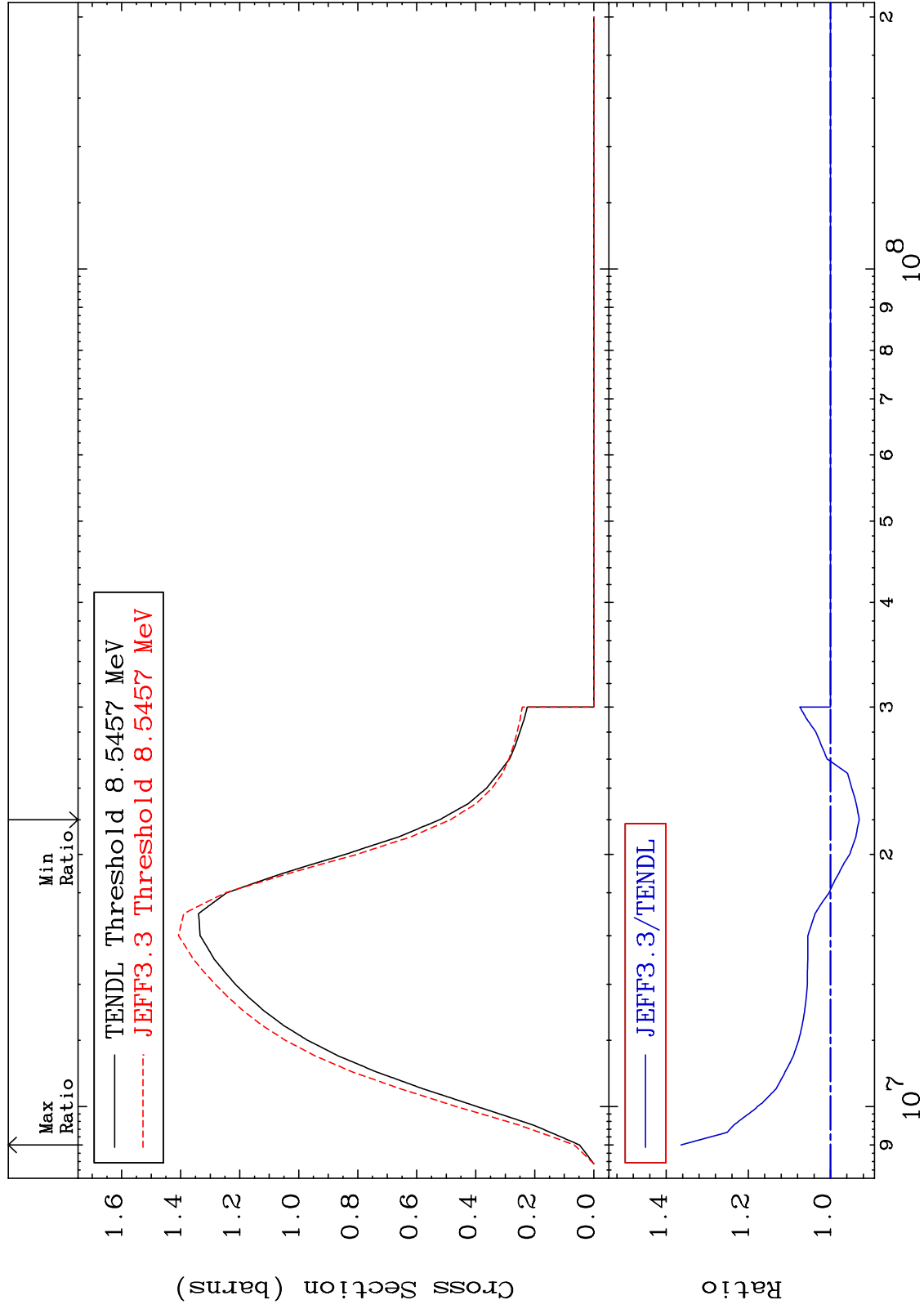


MAT 7837

(n,2n): 78-Pt-193m5

78-Pt-194

Radionuclide Production Cross Section -7.021 To 36.38 %



83

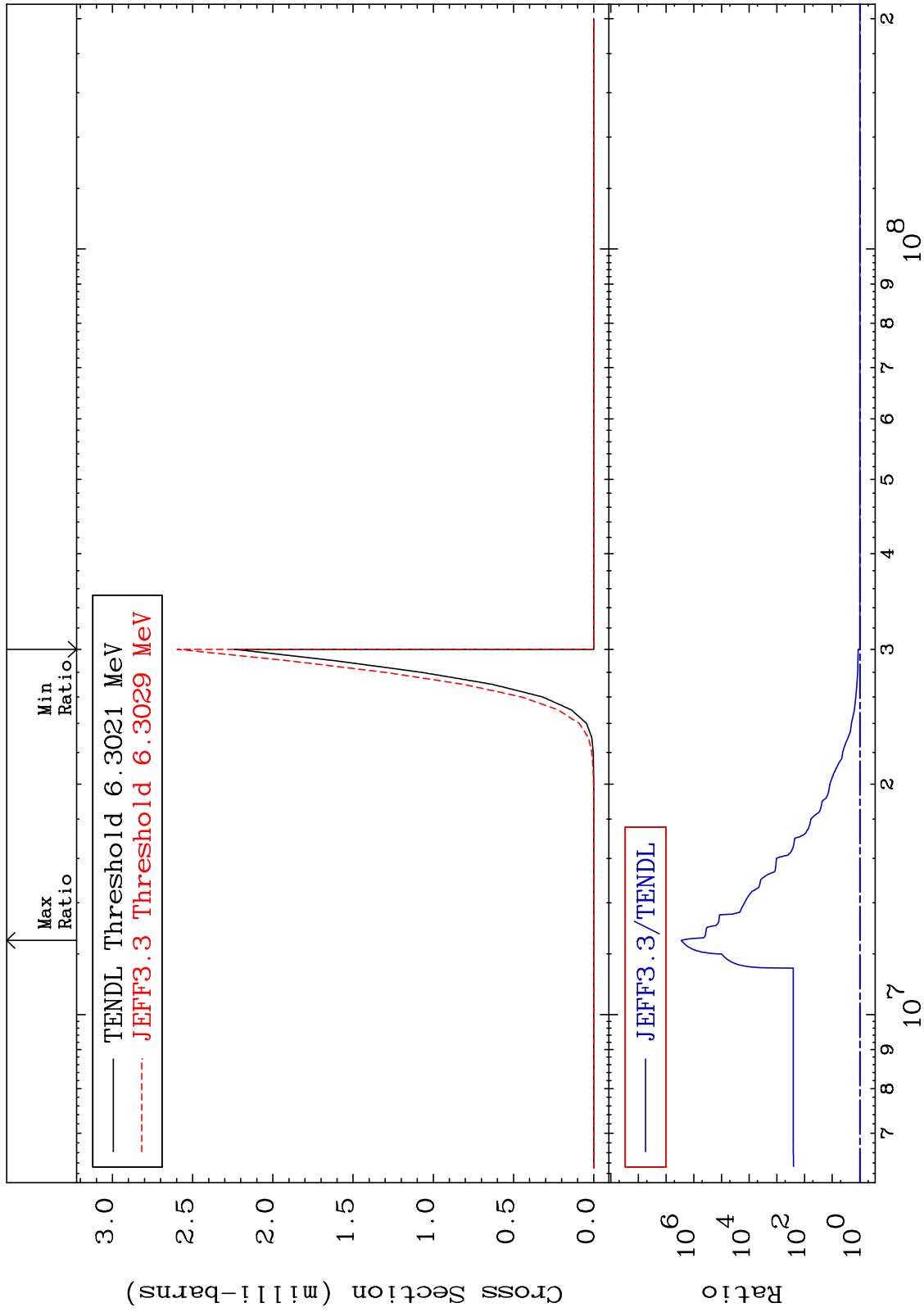
Incident Energy (eV)

78-Pt-194

MAT 7837

78-Pt-194

(n,2n) α :76-0s-189g
Radionuclide Production Cross Section 0.000 To 9999. %

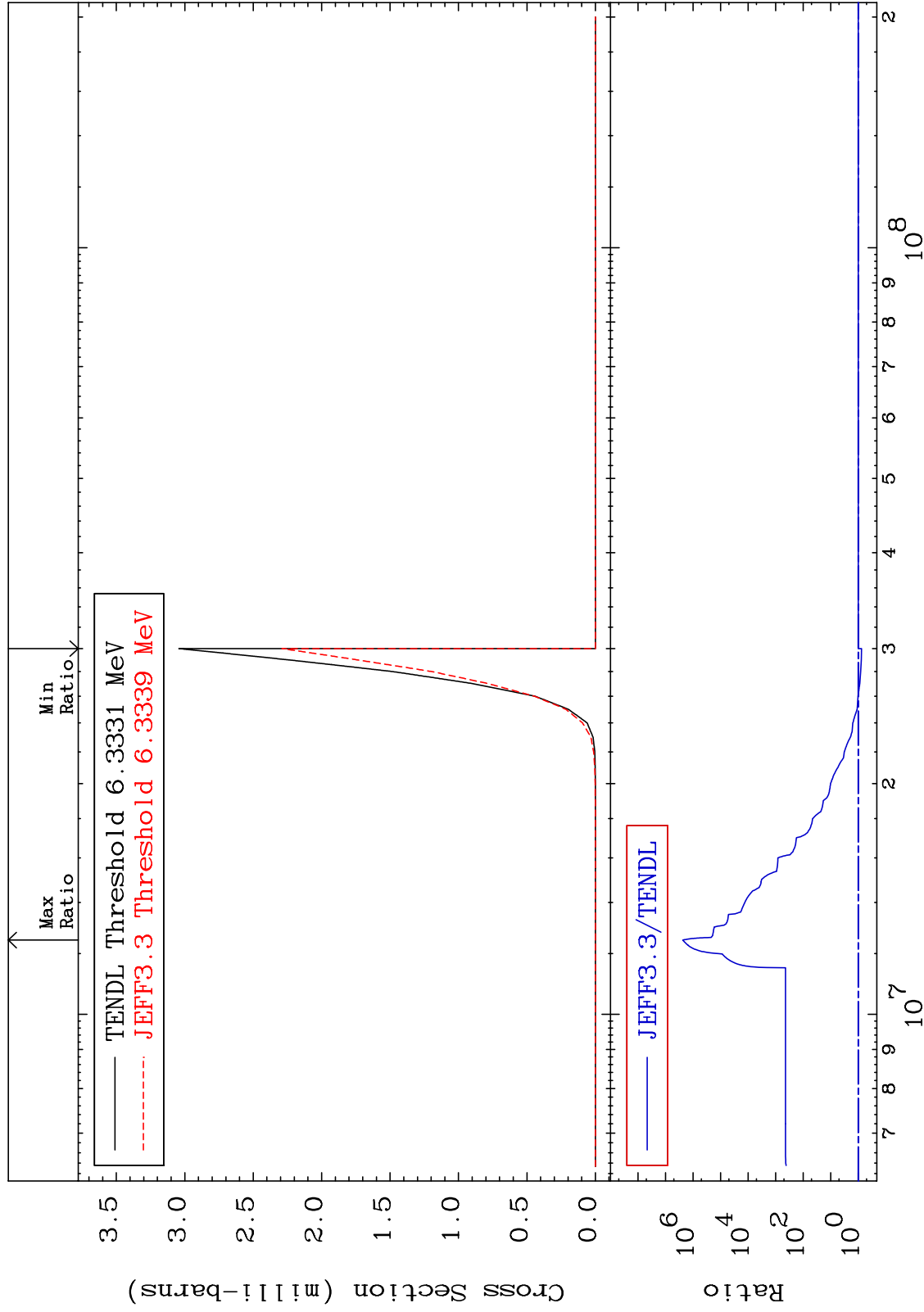


MAT 7837

(n, 2n) α : 76-0s-189m1

78-Pt-194

Radionuclide Production Cross Section -24.71 To 9999. %



85

Incident Energy (eV)

78-Pt-194

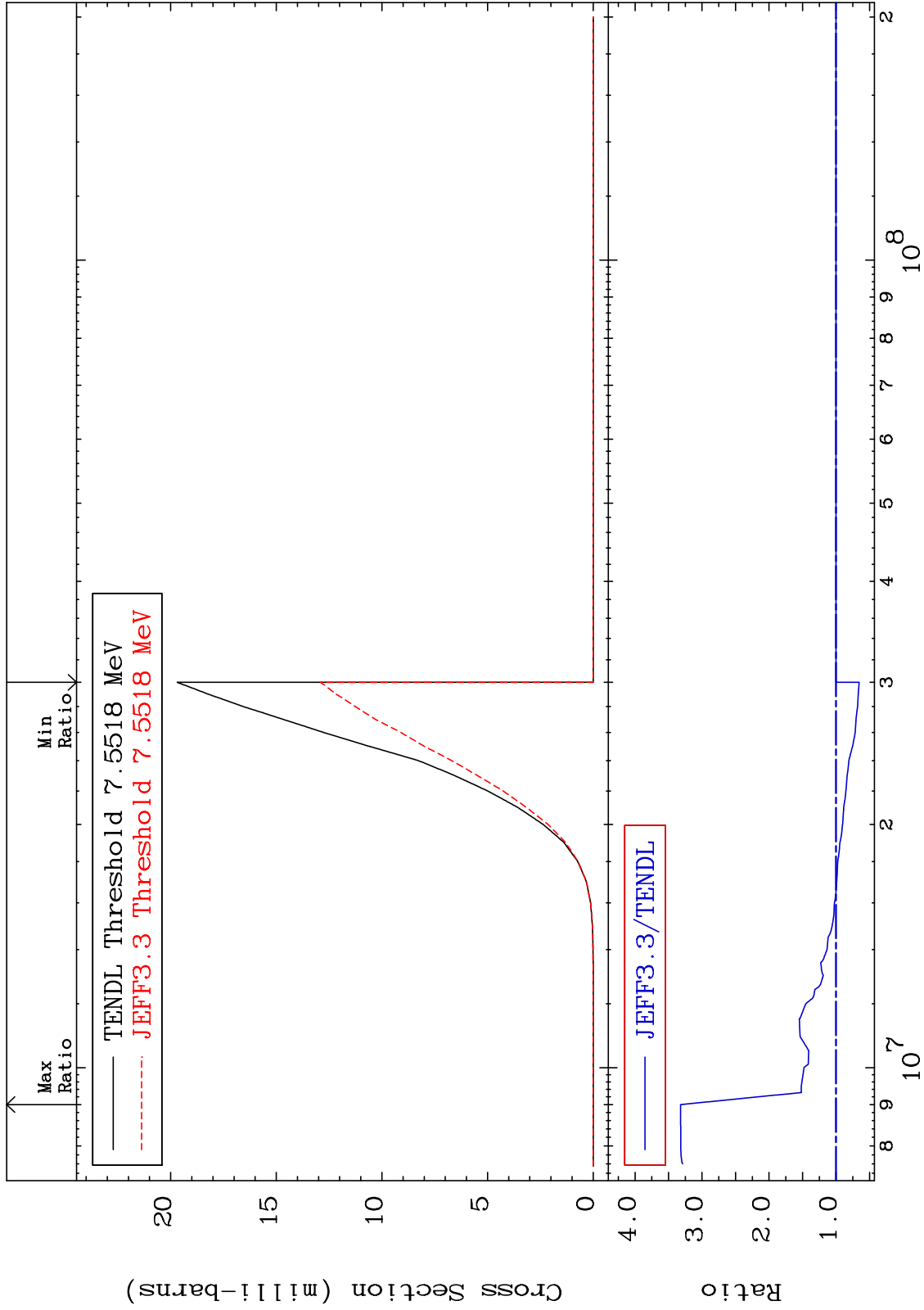
MAT 7837

(n, n') p:77-Ir-193g

78-Pt-194

Radionuclide Production Cross Section

-34.48 To 232.0 %

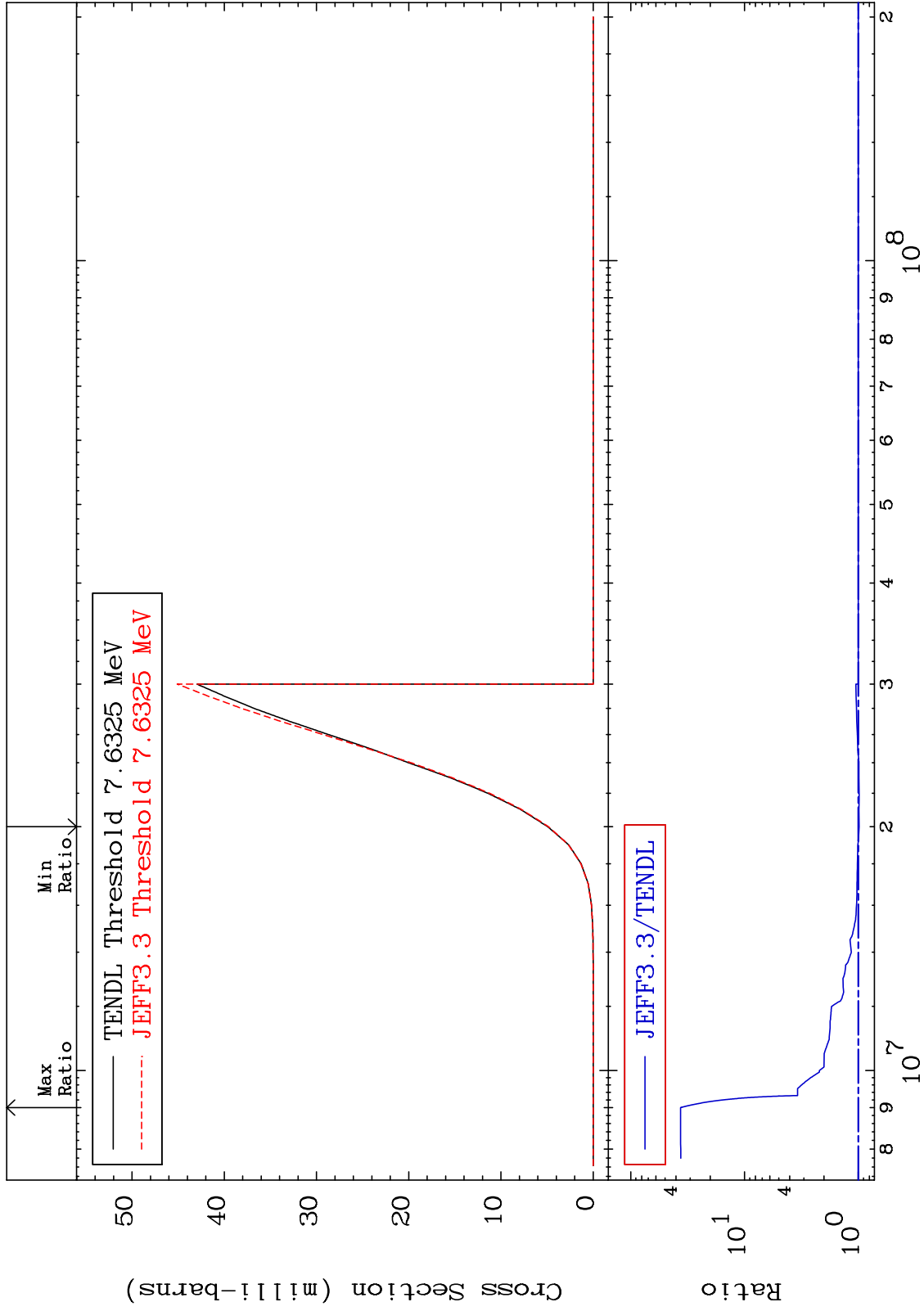


MAT 7837

(n, n') p:77-Ir-193m2

78-Pt-194

Radionuclide Production Cross Section -1.783 To 3541. %



87

Incident Energy (eV)

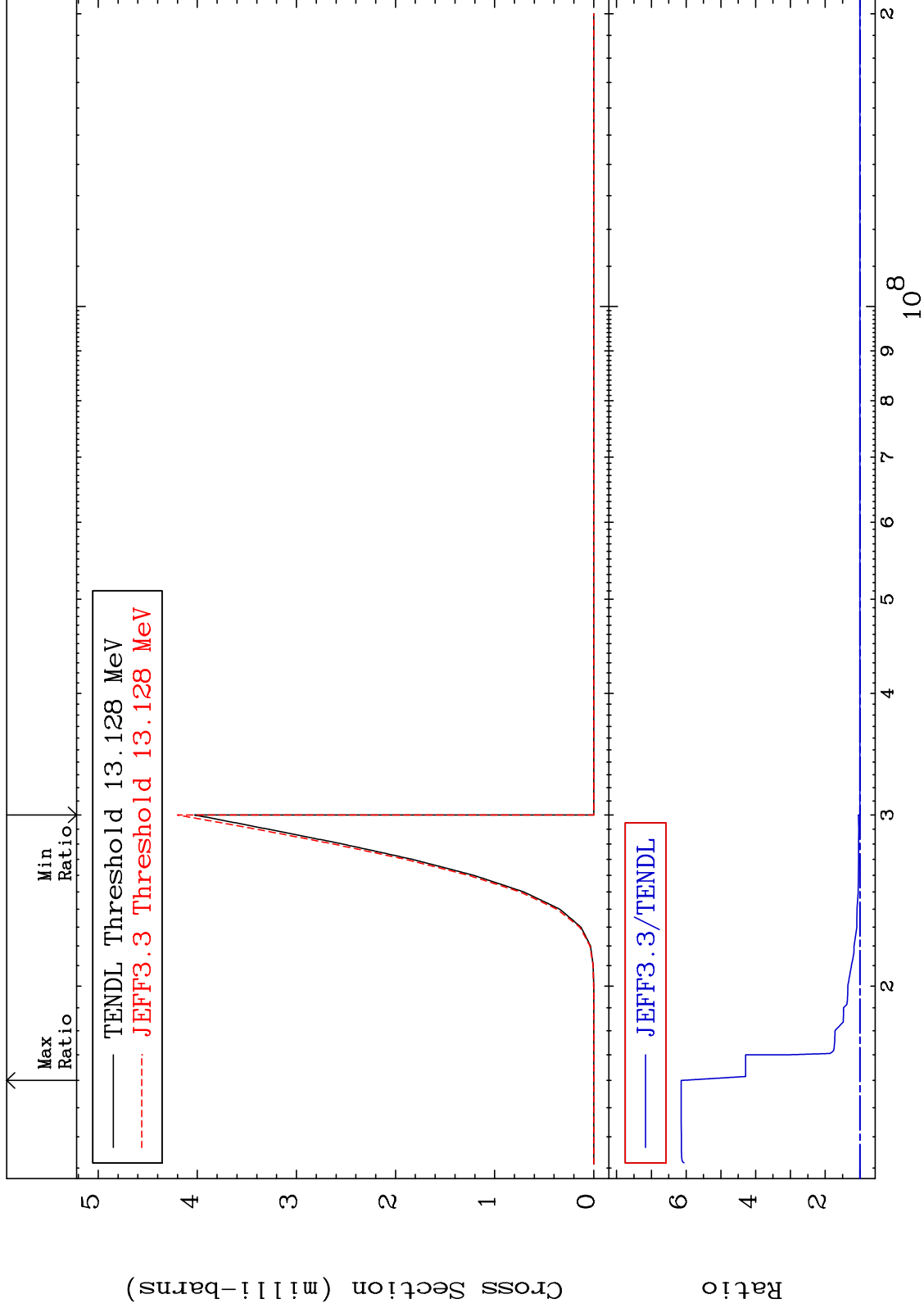
78-Pt-194

MAT 7837

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

78-Pt-194

Radionuclide Production Cross Section 0.000 To 514.1 %

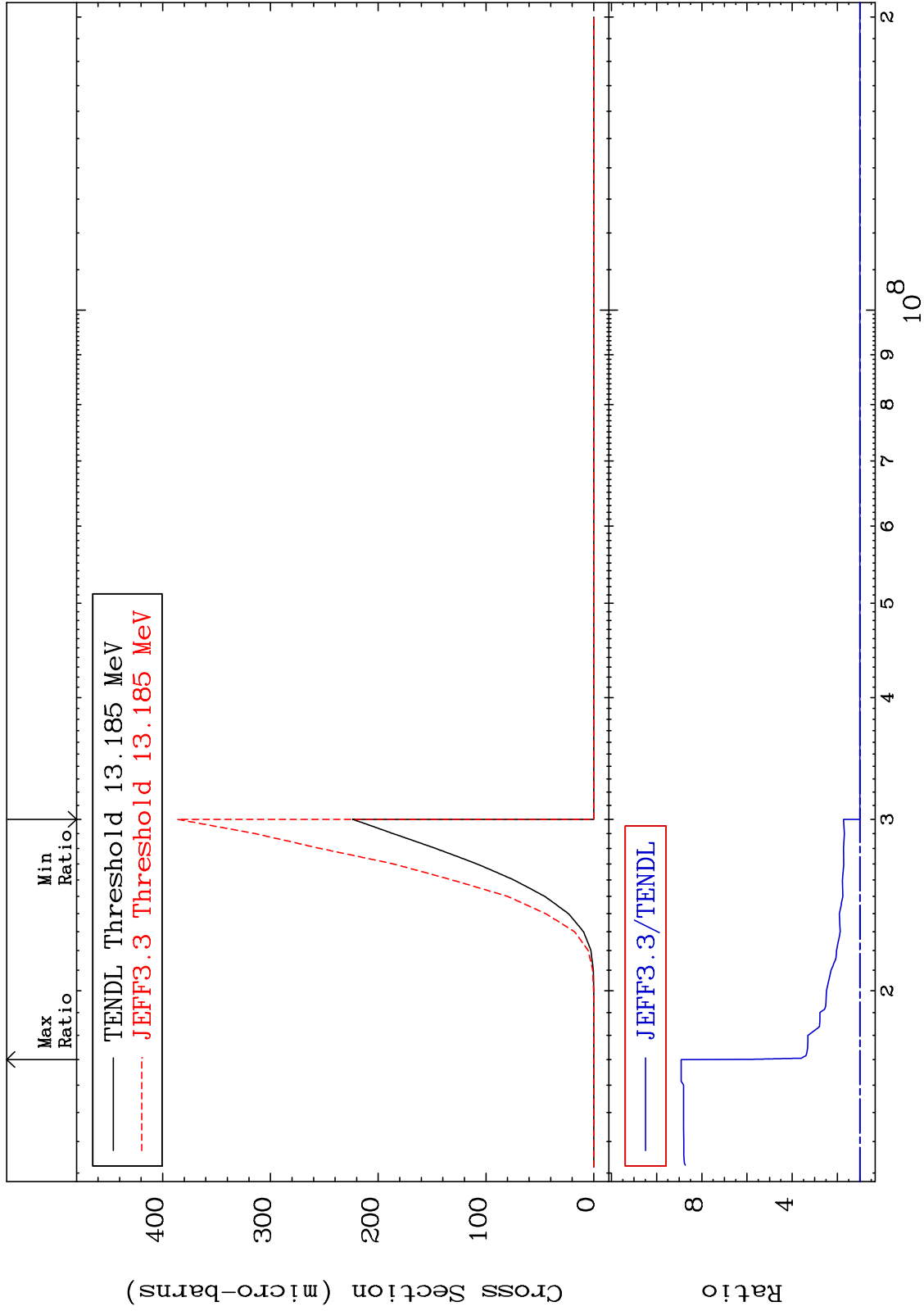


MAT 7837

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

78-Pt-194

Radionuclide Production Cross Section 0.000 To 791.2 %

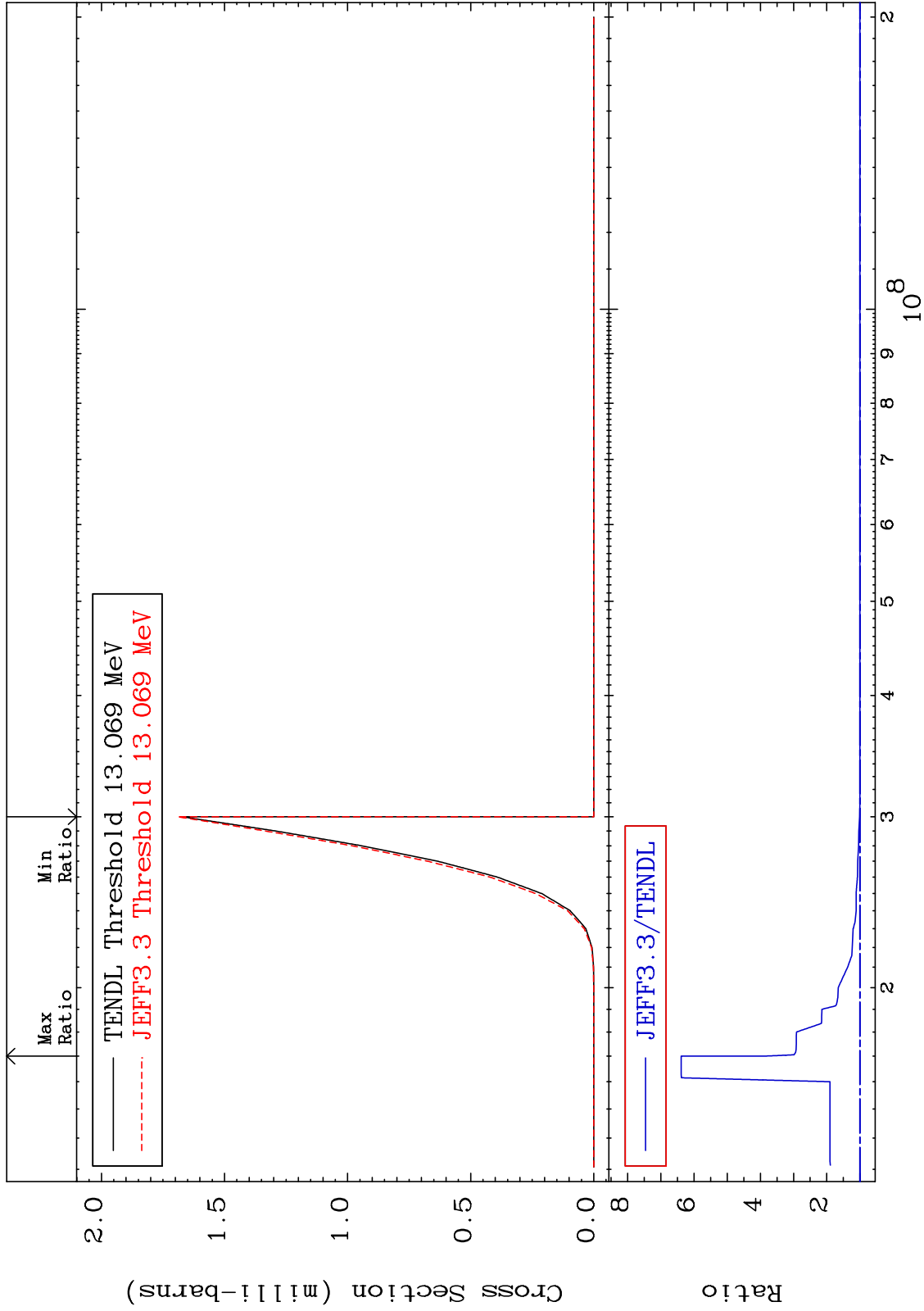


MAT 7837

(n, n') t:77-Ir-191g

78-Pt-194

Radionuclide Production Cross Section 0.000 To 538.6 %

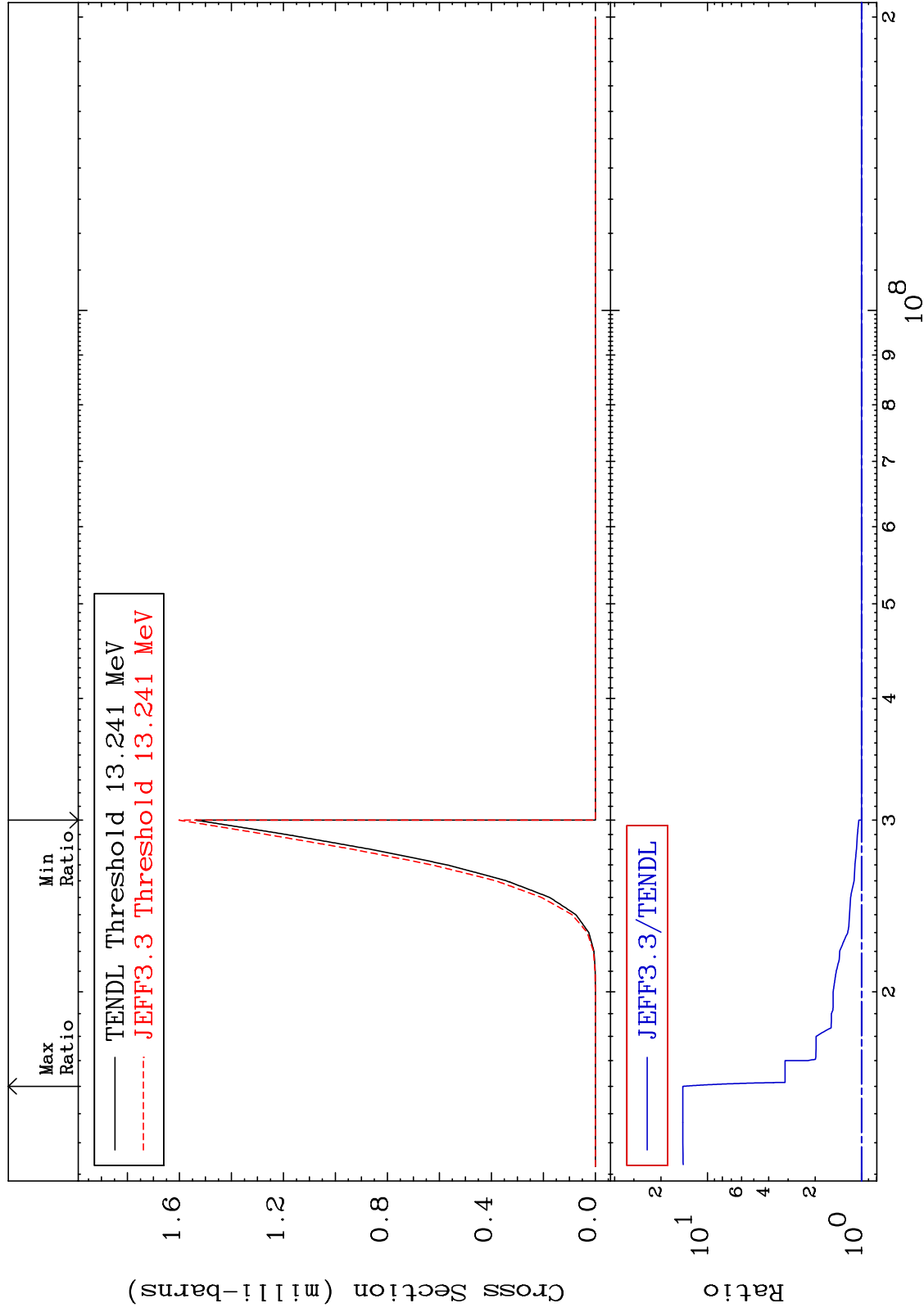


MAT 7837

(n, n') t:77-Ir-191m3

78-Pt-194

Radionuclide Production Cross Section 0.000 To 1343. %

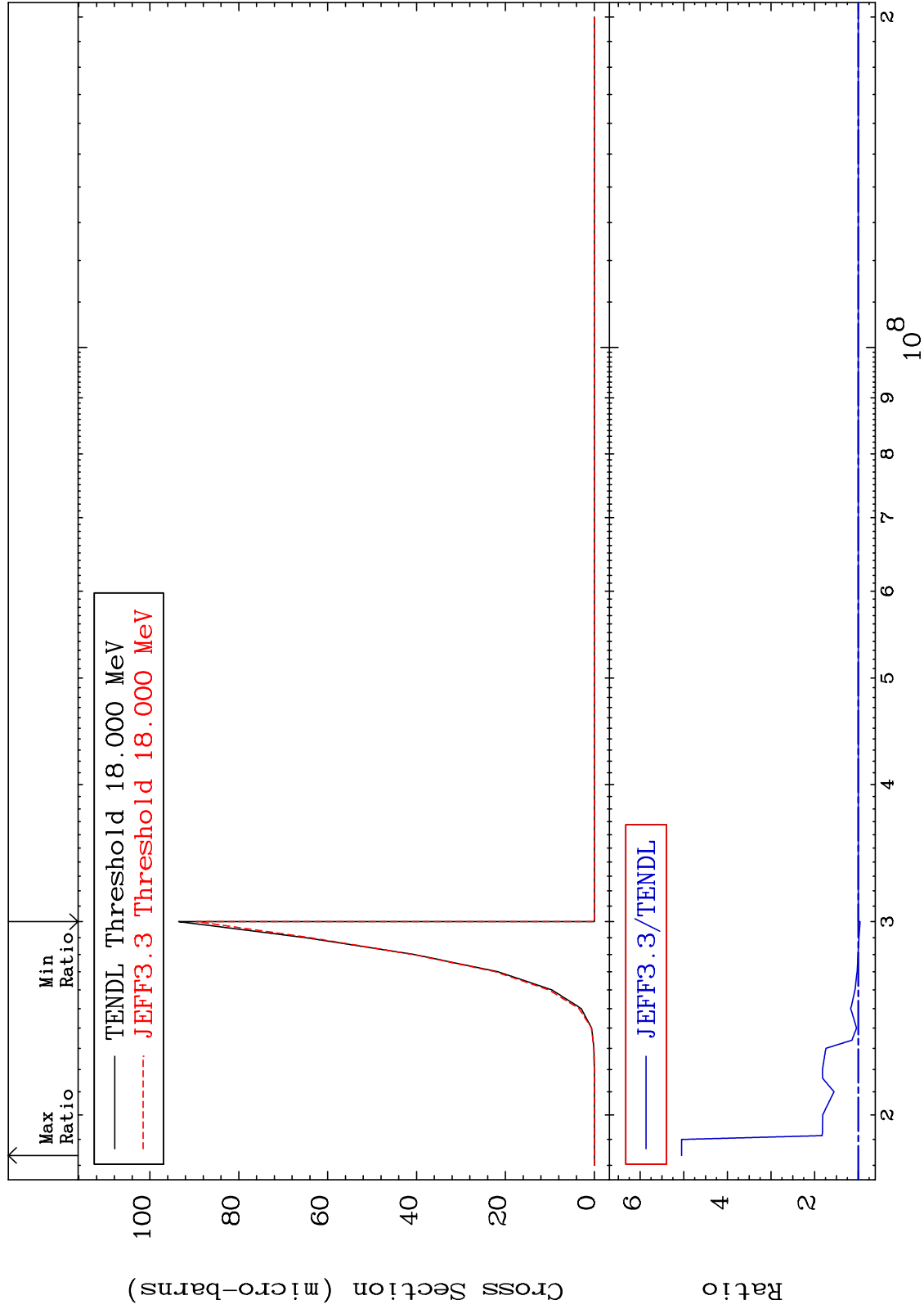


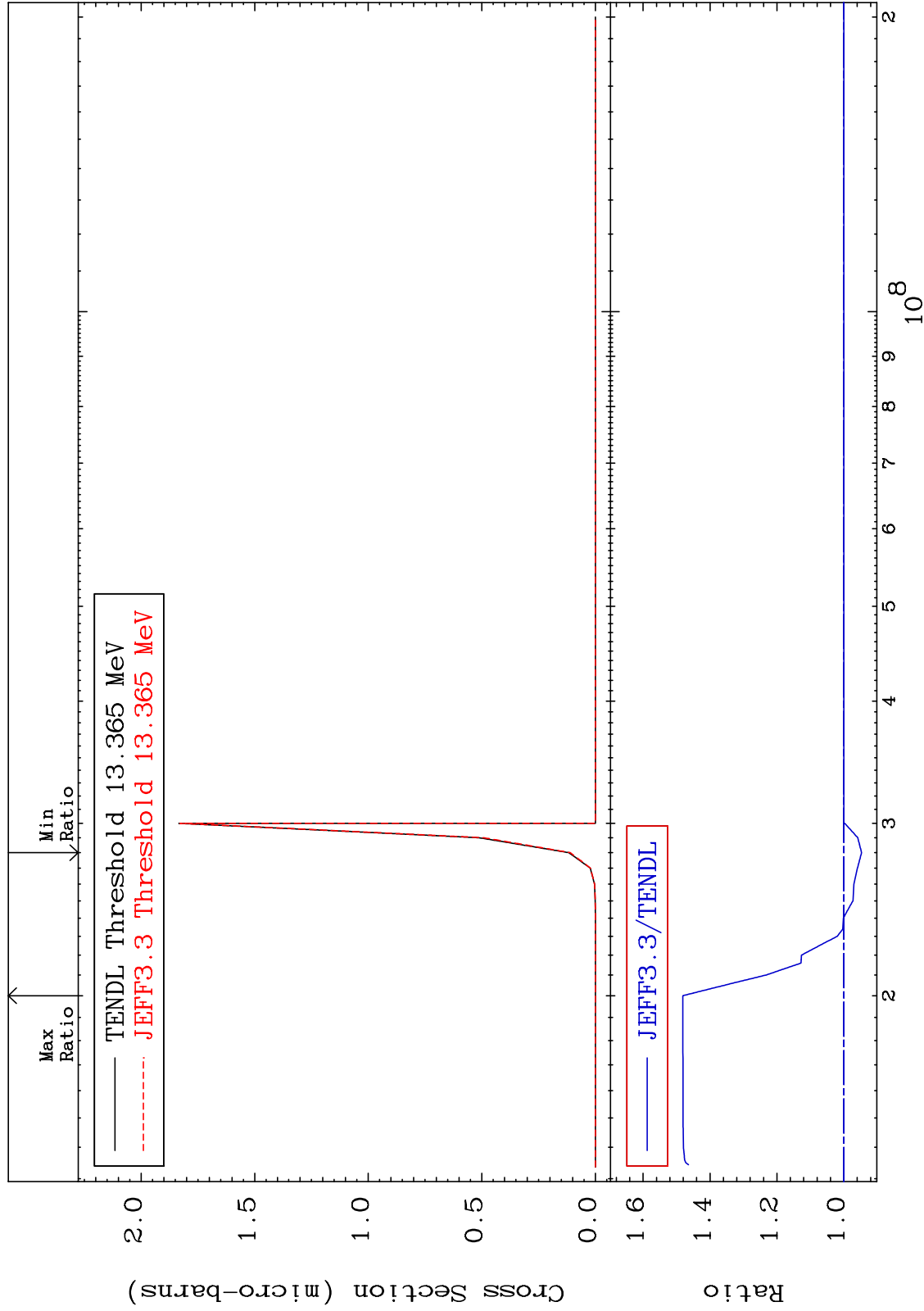
MAT 7837

(n, n') t:77-Ir-191m10

78-Pt-194

Radionuclide Production Cross Section -4.275 To 404.8 %





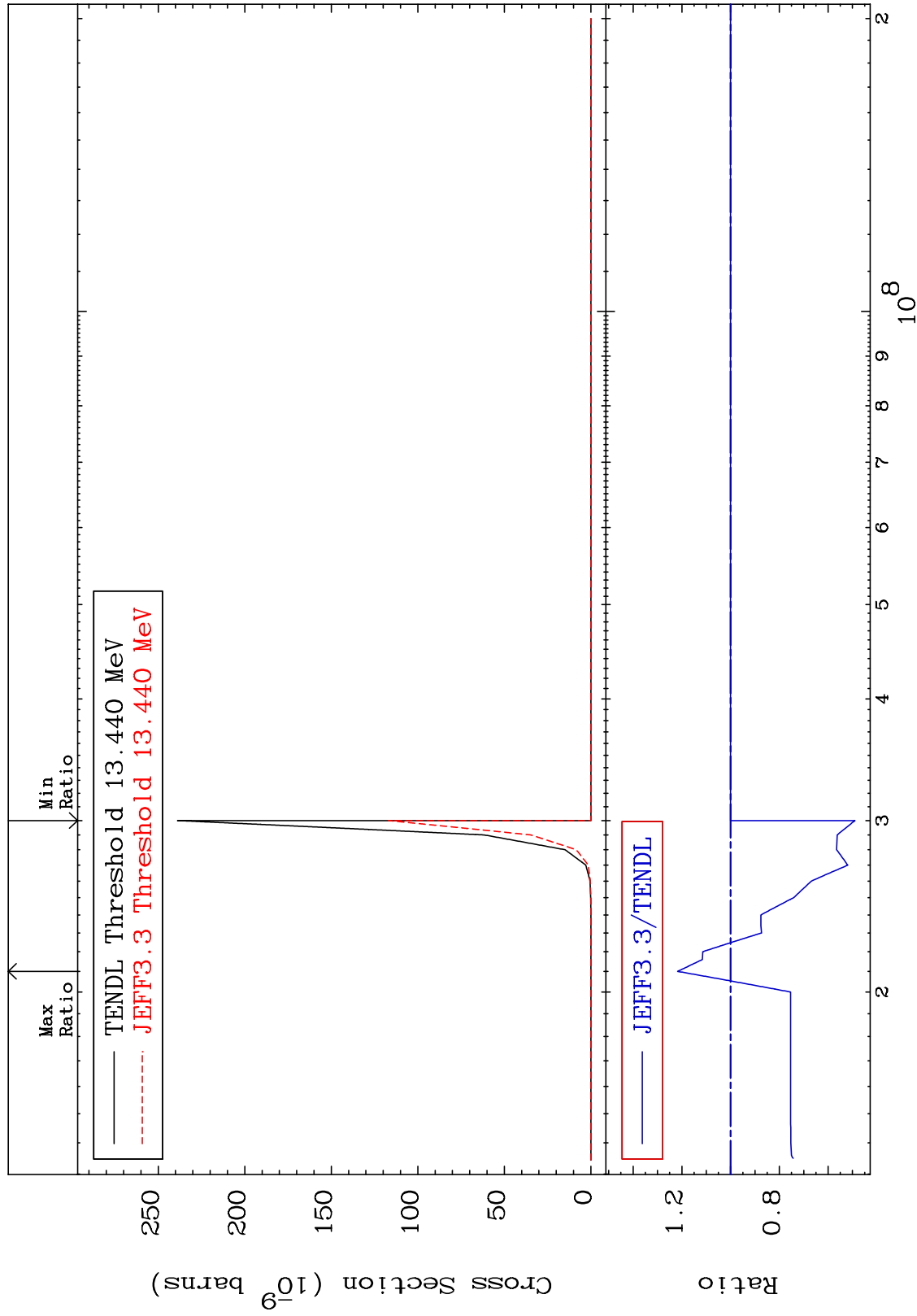
MAT 7837

(n, n') He-3:76-0s-191m1

78-Pt-194

Radionuclide Production Cross Section

-51.05 To 21.71 %



94

Incident Energy (eV)

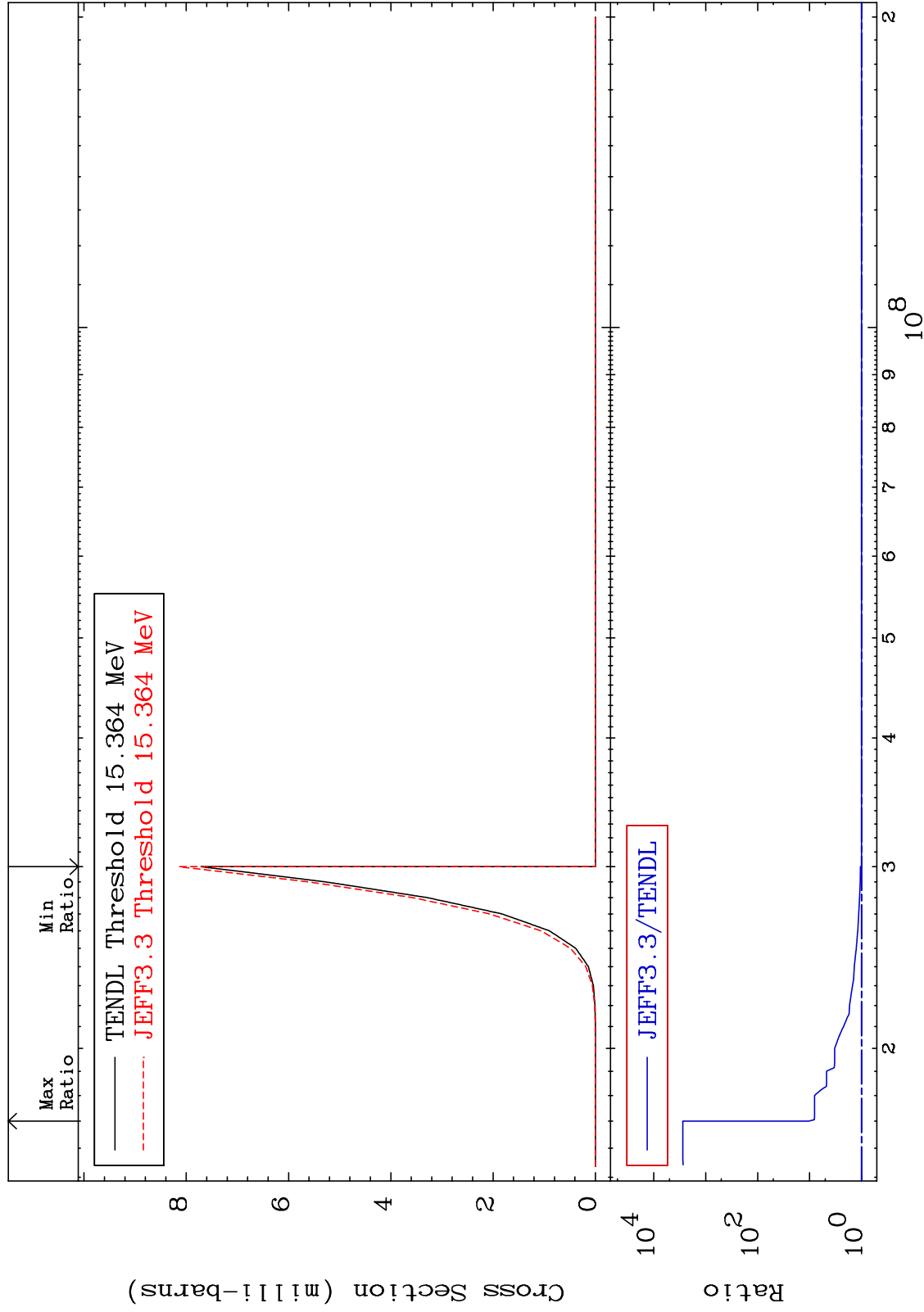
78-Pt-194

MAT 7837

(n,2n) p:77-Ir-192g

78-Pt-194

Radionuclide Production Cross Section 0.000 To 9999. %



95

Incident Energy (eV)

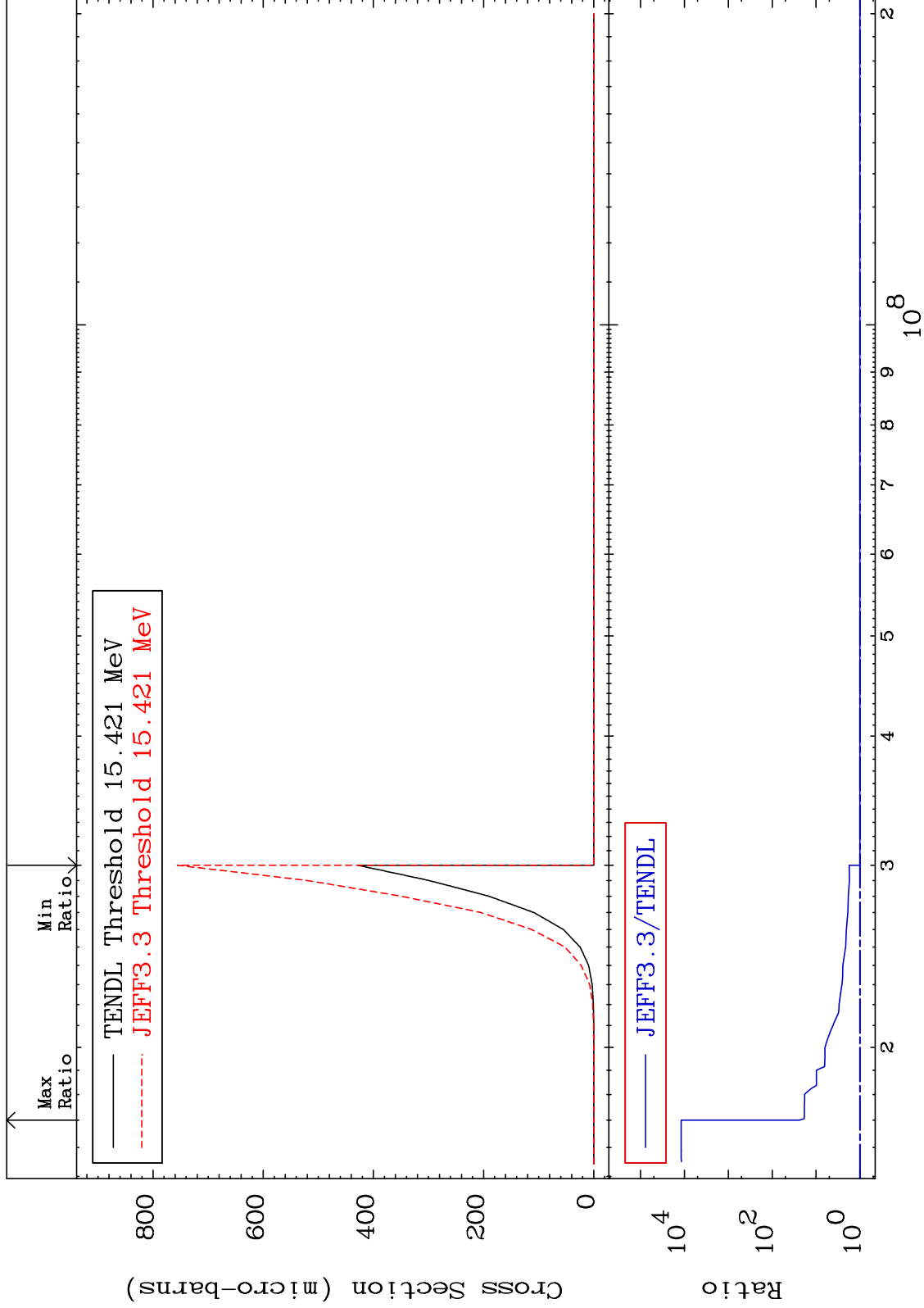
78-Pt-194

MAT 7837

(n,2n) p:77-Ir-192m3

78-Pt-194

Radionuclide Production Cross Section 0.000 To 9999. %

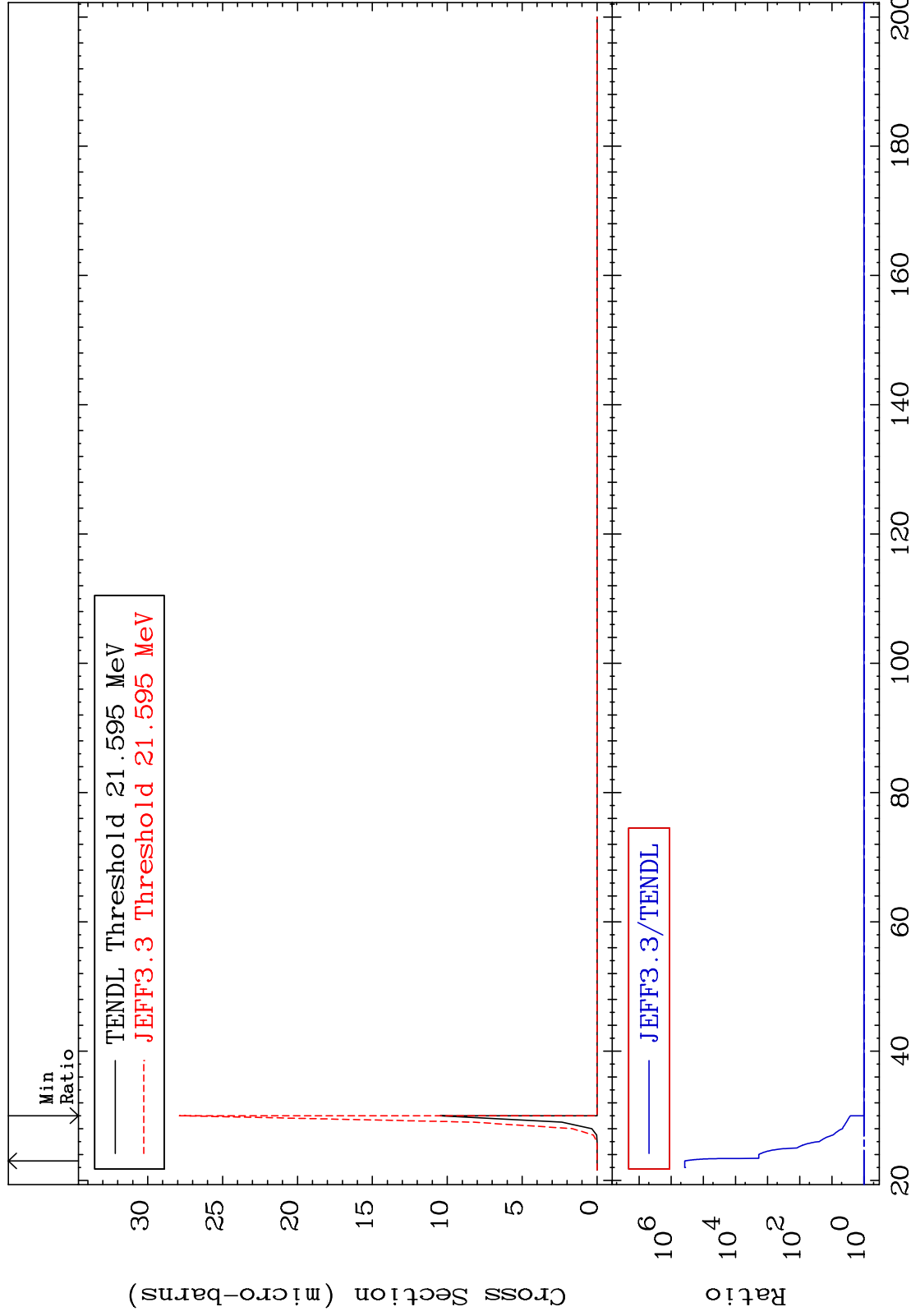


MAT 7837

(n,3n) p:77-Ir-191g

78-Pt-194

Radionuclide Production Cross Section 0.000 To 9999. %



97

Incident Energy (MeV)

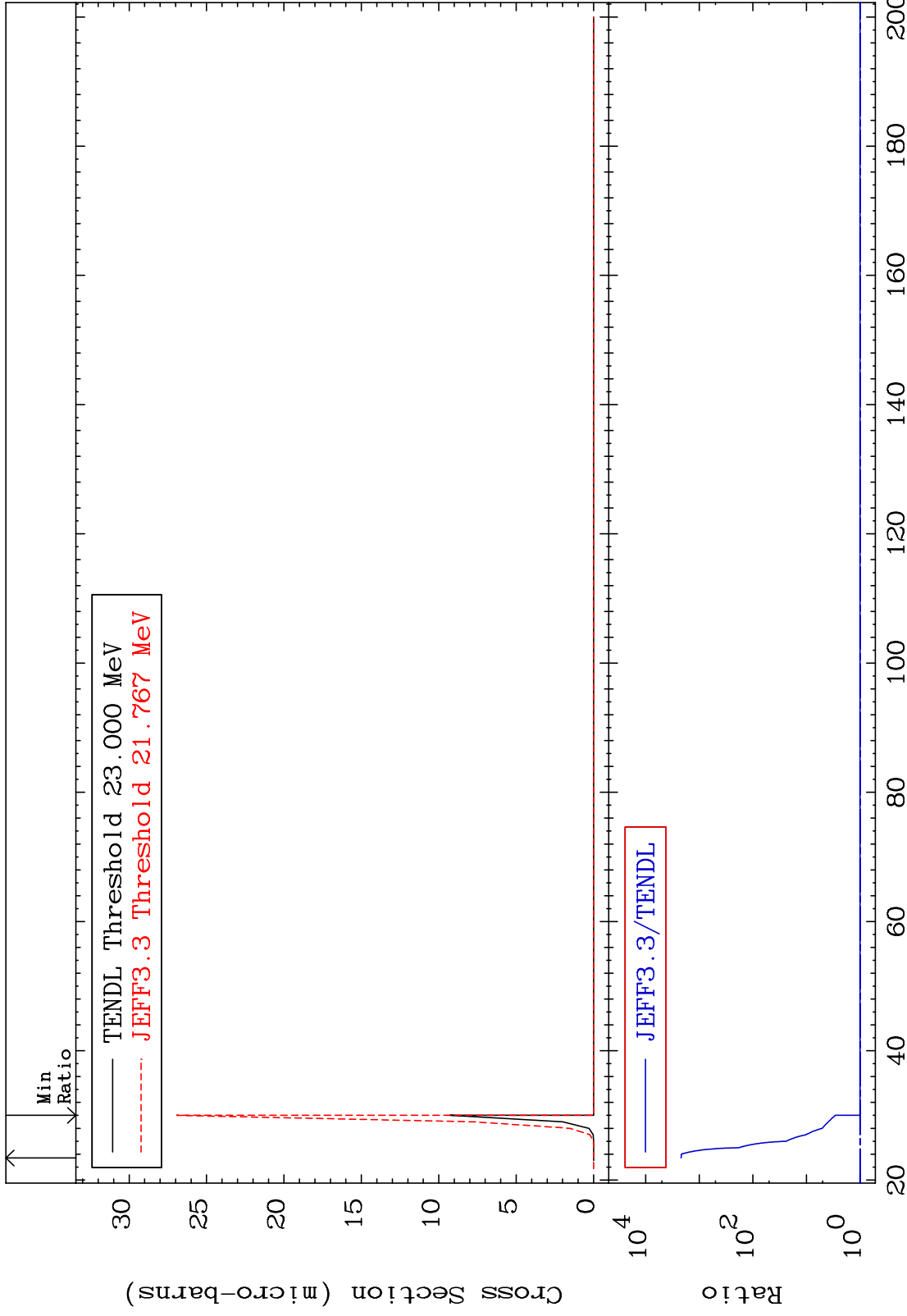
78-Pt-194

MAT 7837

(n,3n) p:77-Ir-191m3

78-Pt-194

Radionuclide Production Cross Section 0.000 To 9999. %

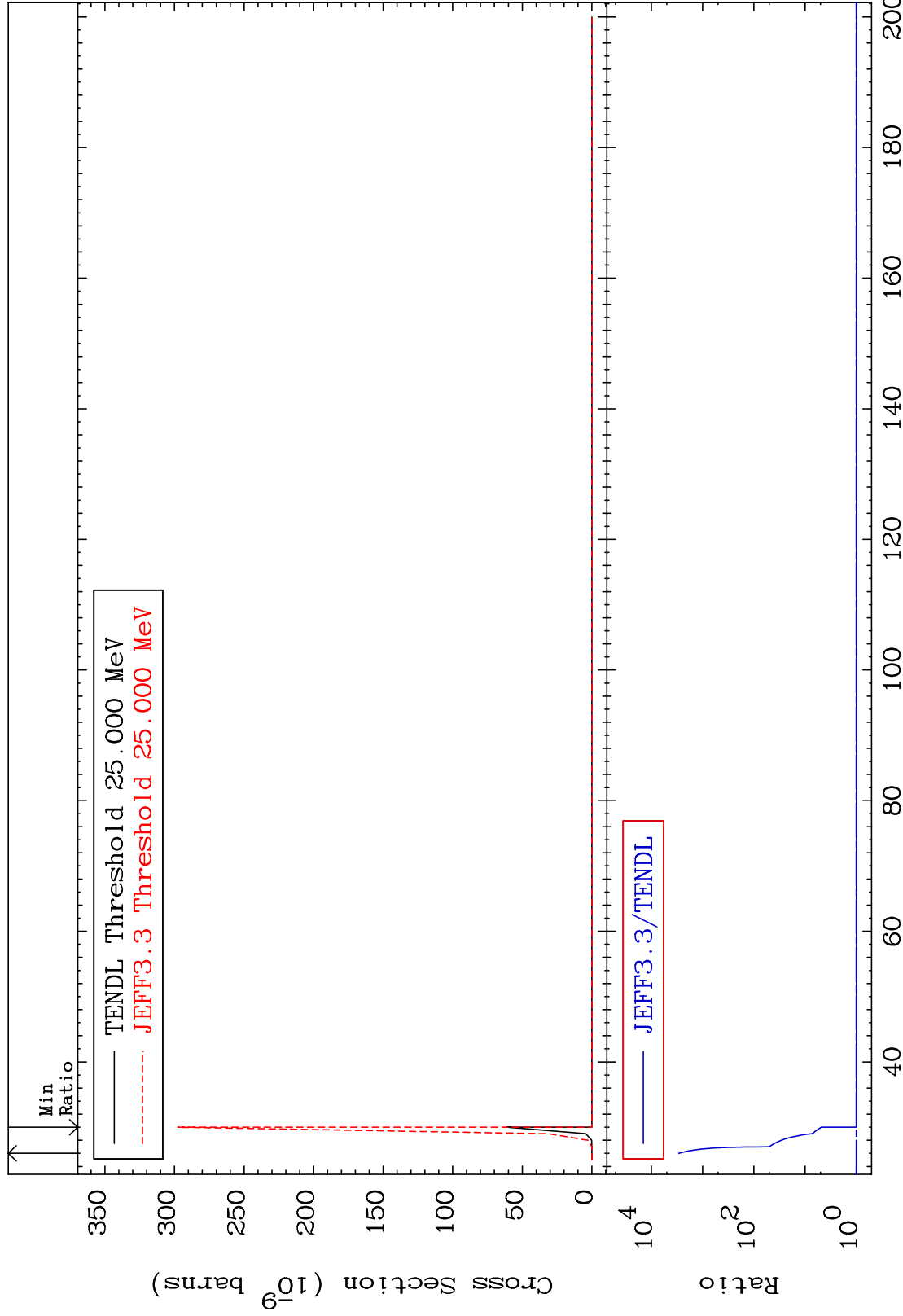


98

Incident Energy (MeV)

78-Pt-194

Radionuclide Production Cross Section 0.000 To 9999. %

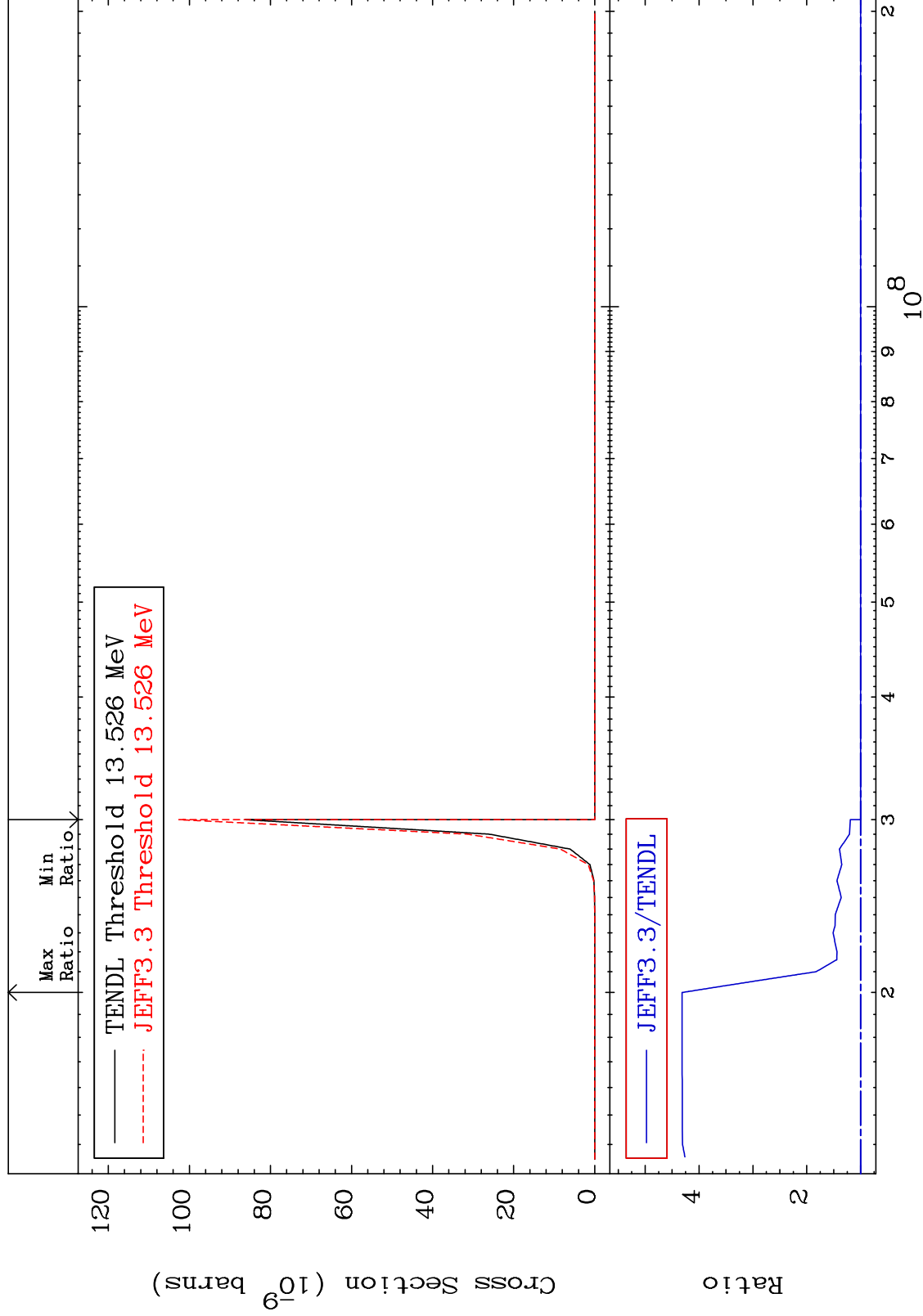


MAT 7837

(n,2n) p:76-Os-192g

78-Pt-194

Radionuclide Production Cross Section 0.000 To 331.4 %



100

Incident Energy (eV)

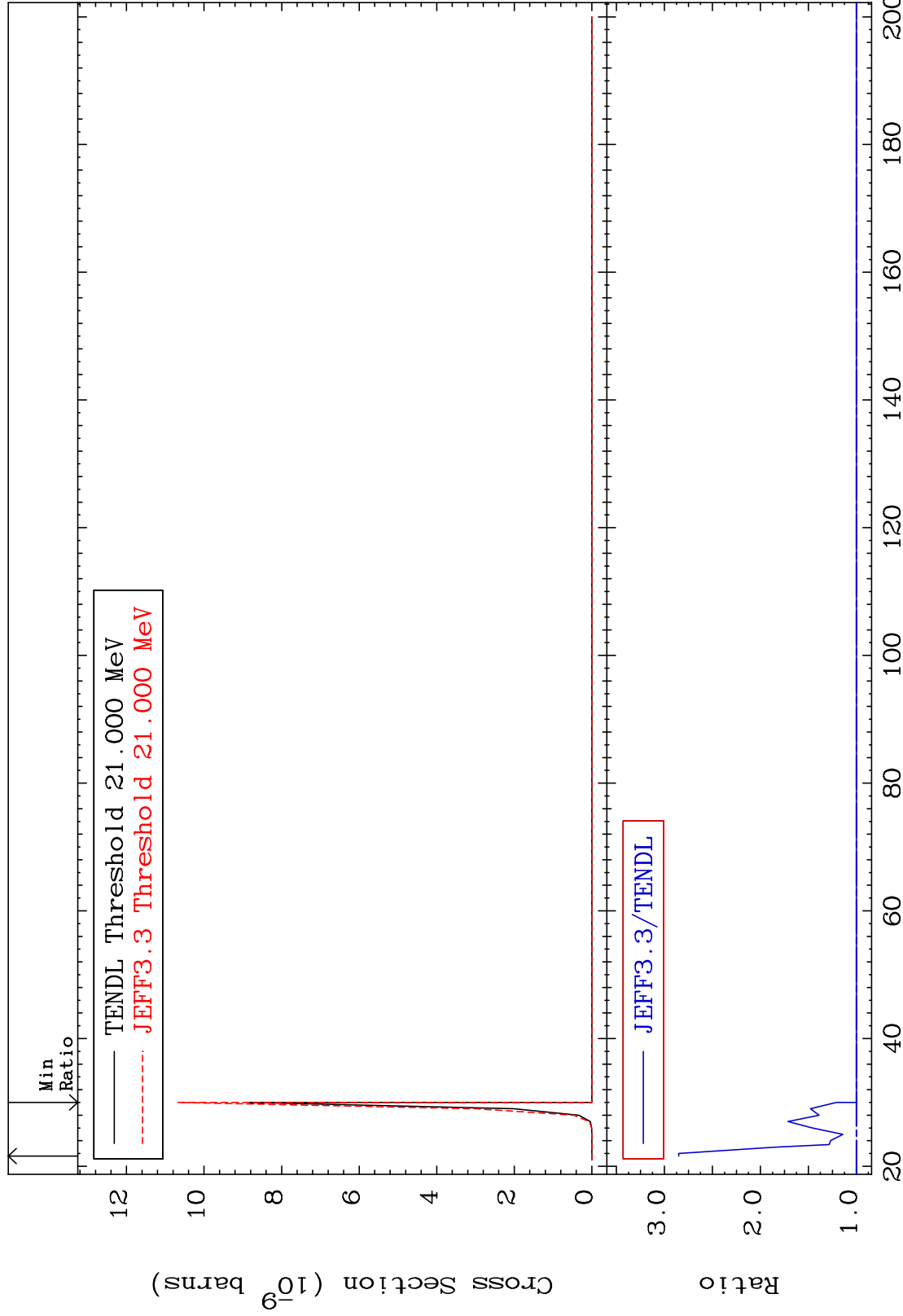
78-Pt-194

MAT 7837

(n,2n) p:76-0s-192m5

78-Pt-194

Radionuclide Production Cross Section 0.000 To 185.1 %



101

Incident Energy (MeV)

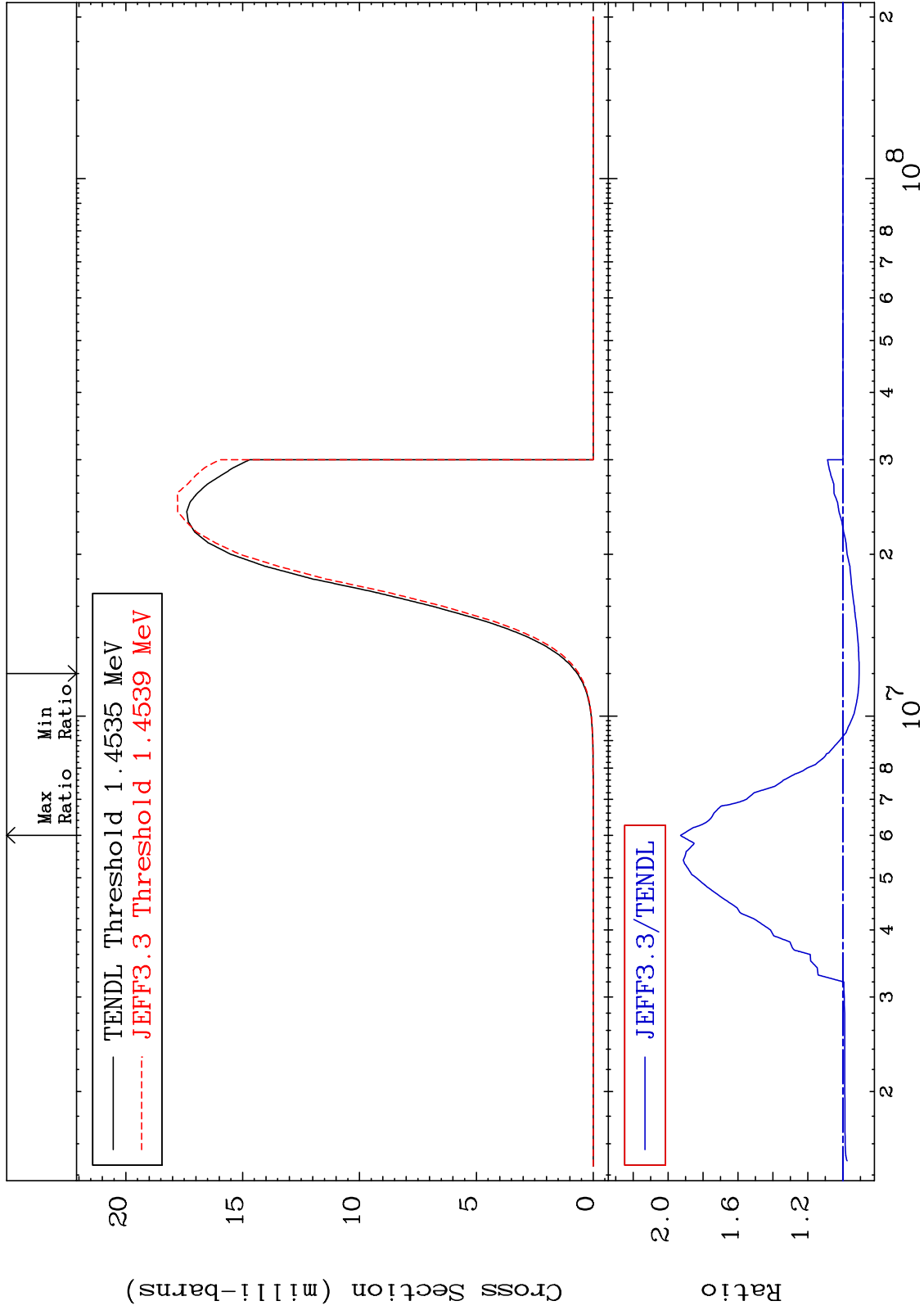
78-Pt-194

MAT 7837

(n,p):77-Ir-194g

78-Pt-194

Radionuclide Production Cross Section -9.328 To 92.84 %



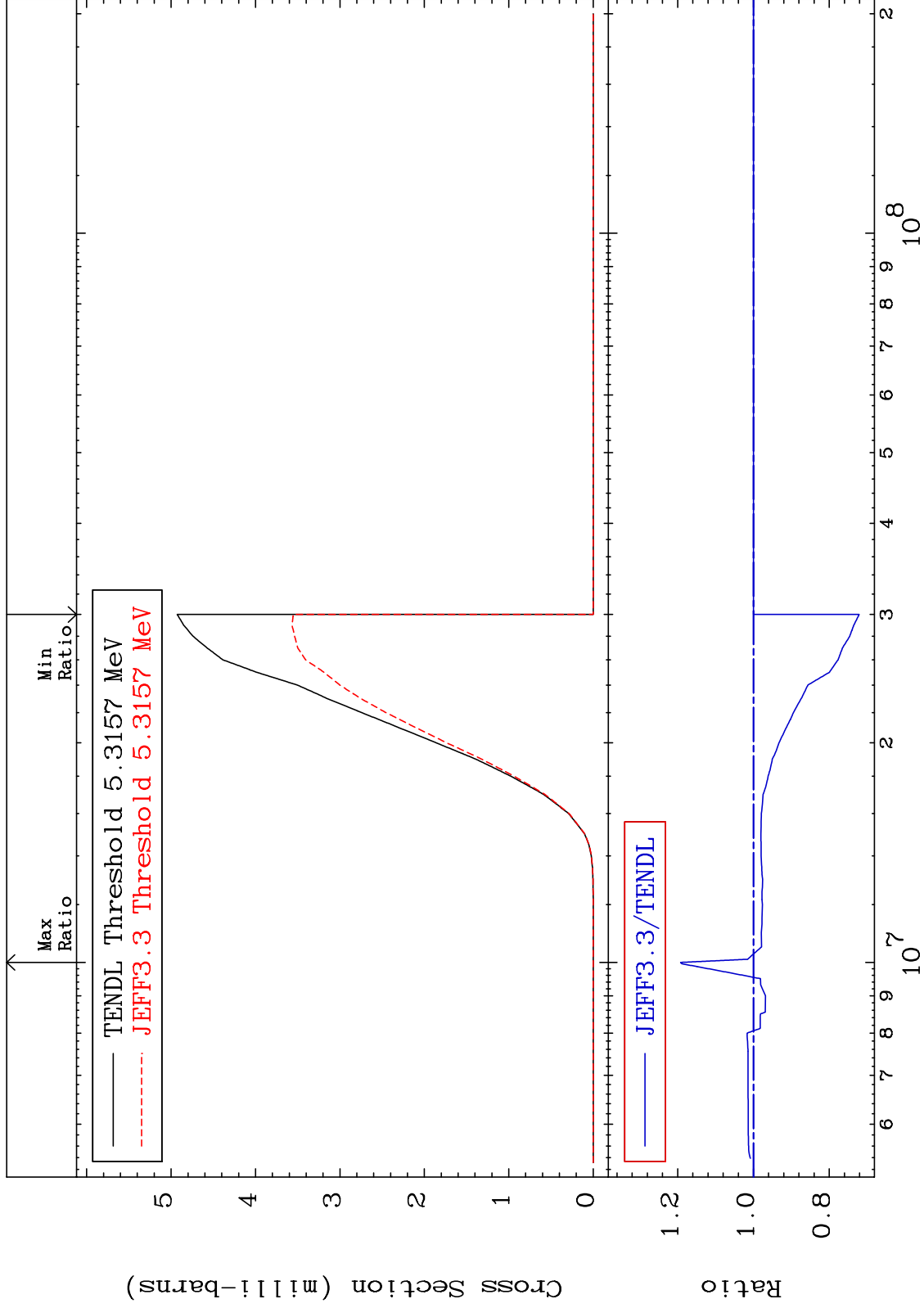
MAT 7837

(n,d):77-Ir-193g

78-Pt-194

Radionuclide Production Cross Section

-27.89 To 19.22 %



103

78-Pt-194

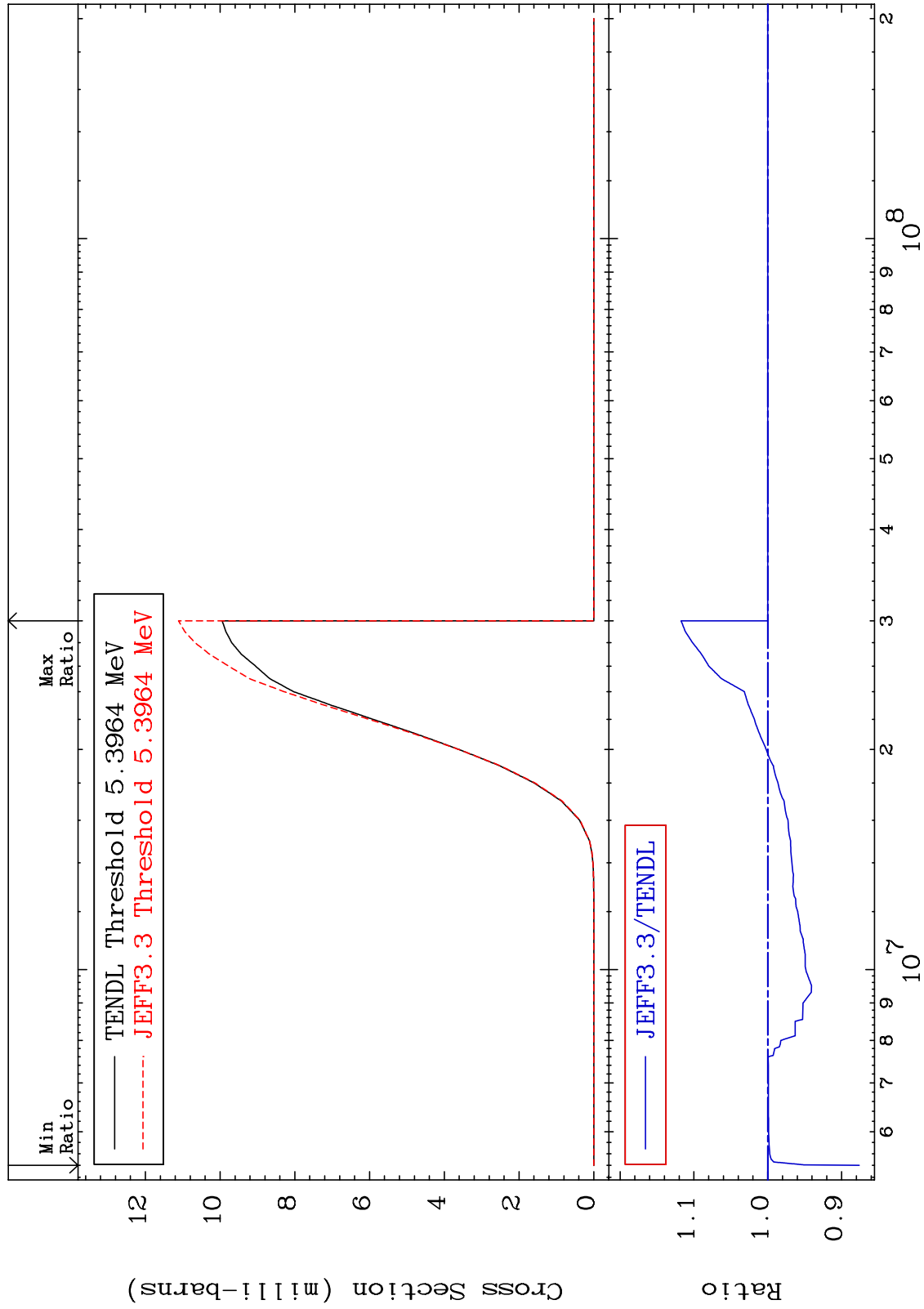
78-Pt-194

MAT 7837

(n, d) : 77-Ir-193m2

78-Pt-194

Radionuclide Production Cross Section -12.40 To 11.74 %



104

Incident Energy (eV)

78-Pt-194

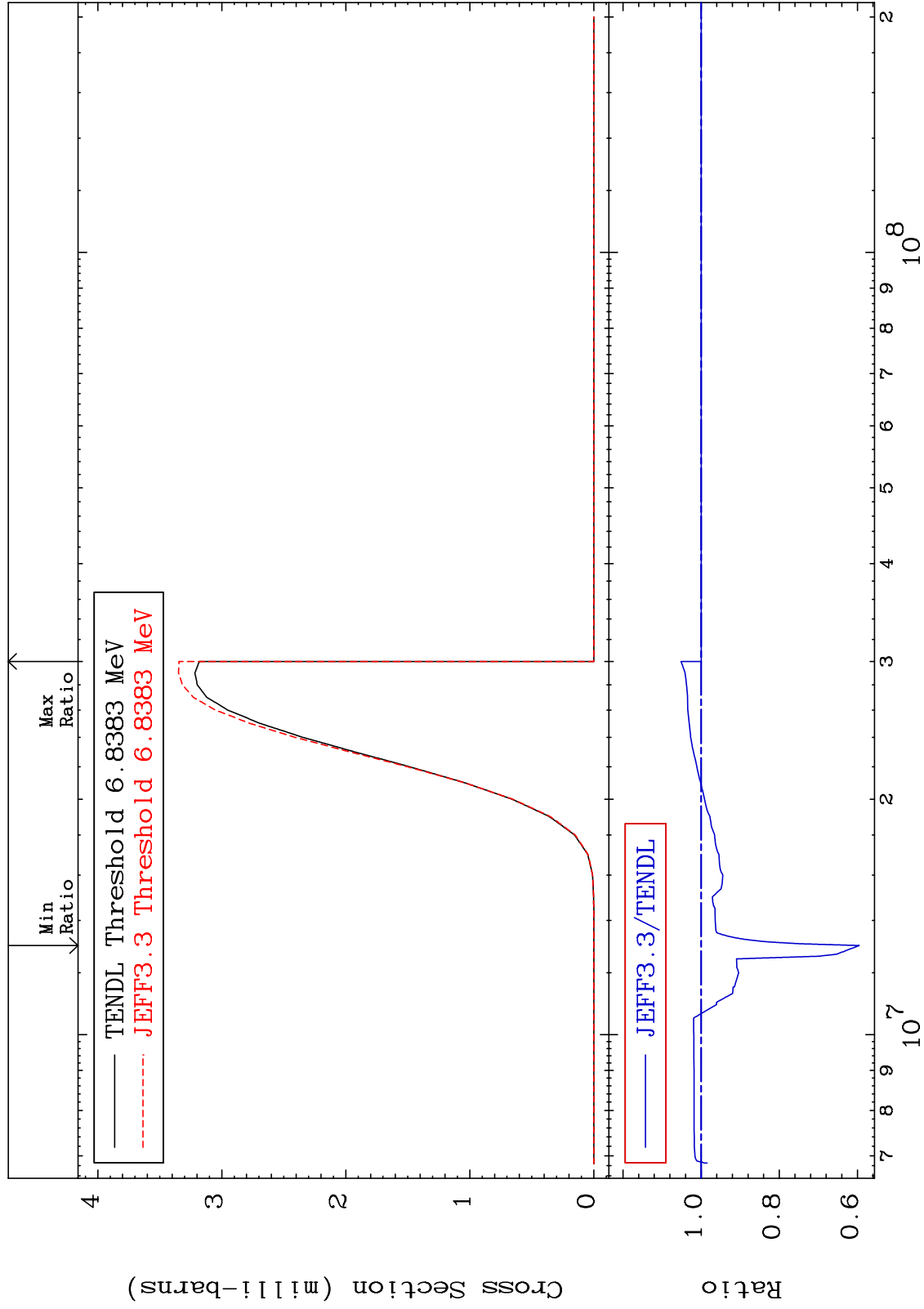
MAT 7837

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

78-Pt-194

Radionuclide Production Cross Section

-40.47 To 5.147 %



105

Incident Energy (eV)

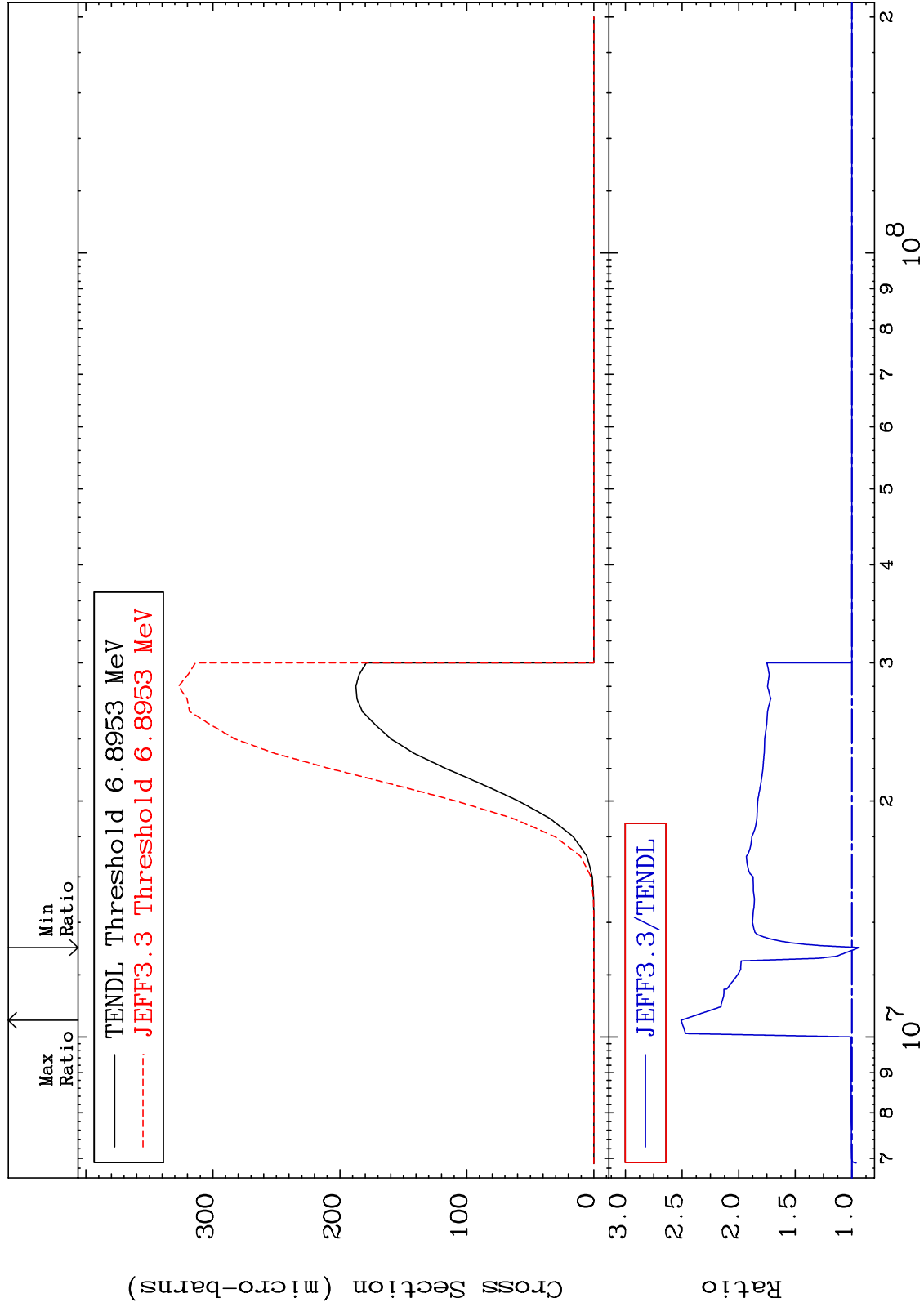
78-Pt-194

MAT 7837

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

78-Pt-194

Radionuclide Production Cross Section -6.604 To 150.9 %



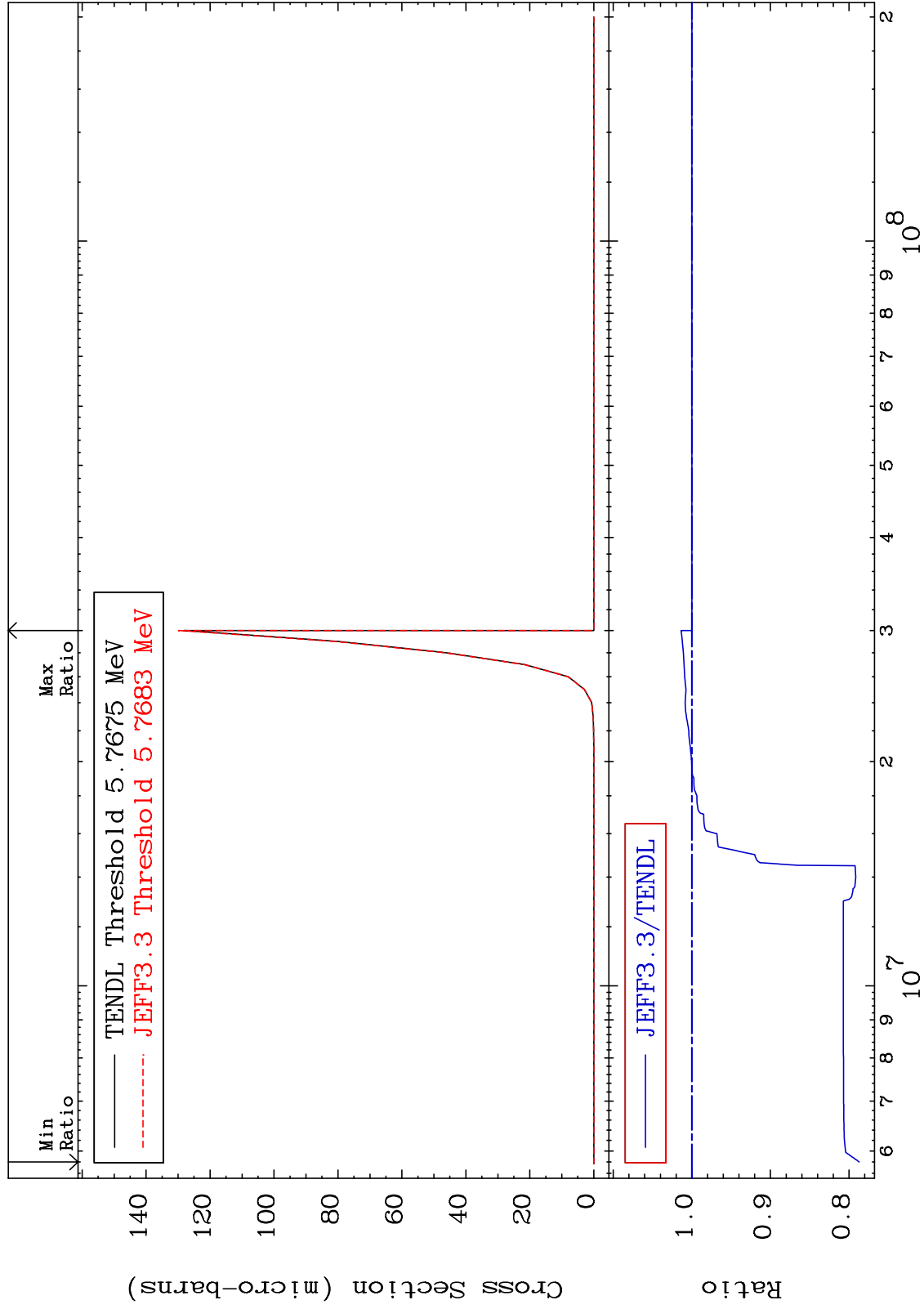
106

Incident Energy (eV)

78-Pt-194

MAT 7837

(n, He-3): 76-0s-192g 78-Pt-194
Radionuclide Production Cross Section -21.31 To 1.372 %

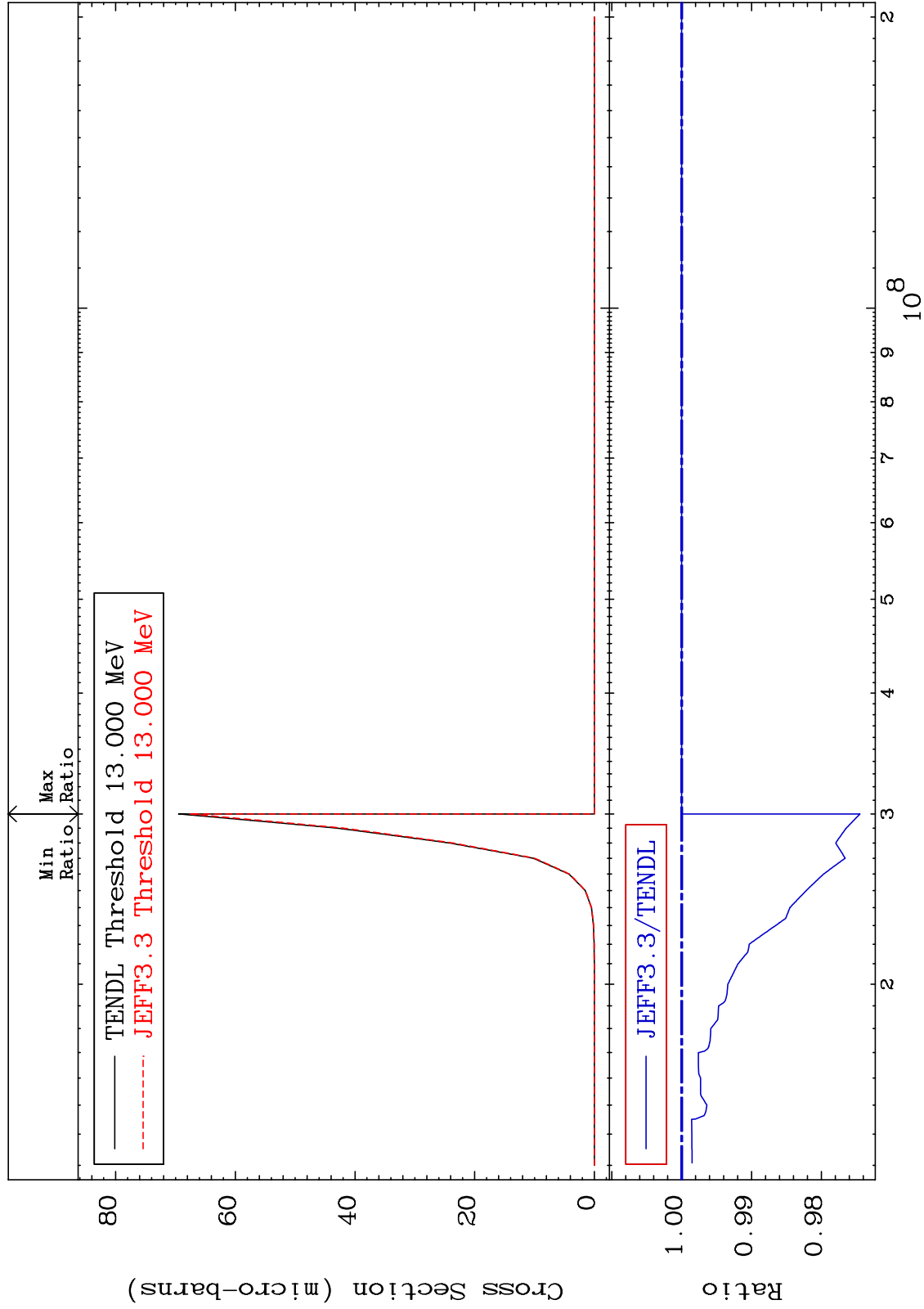


107

Incident Energy (eV)

78-Pt-194

Radionuclide Production Cross Section -2.553 To 0.000 %

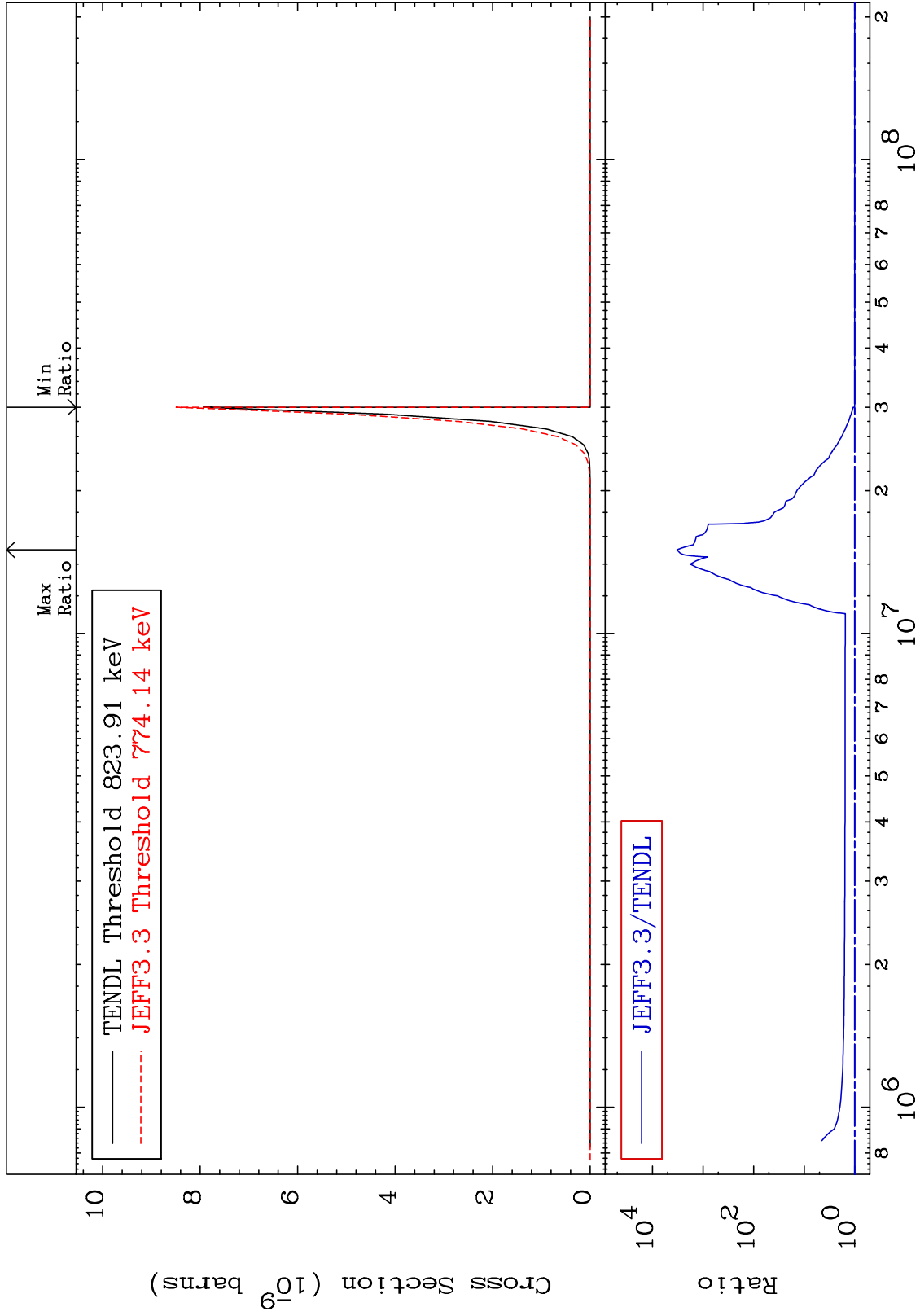


MAT 7837

78-Pt-194

(n, p) α : 75-Re-190g

Radionuclide Production Cross Section 0.000 To 9999. %



109

Incident Energy (eV)

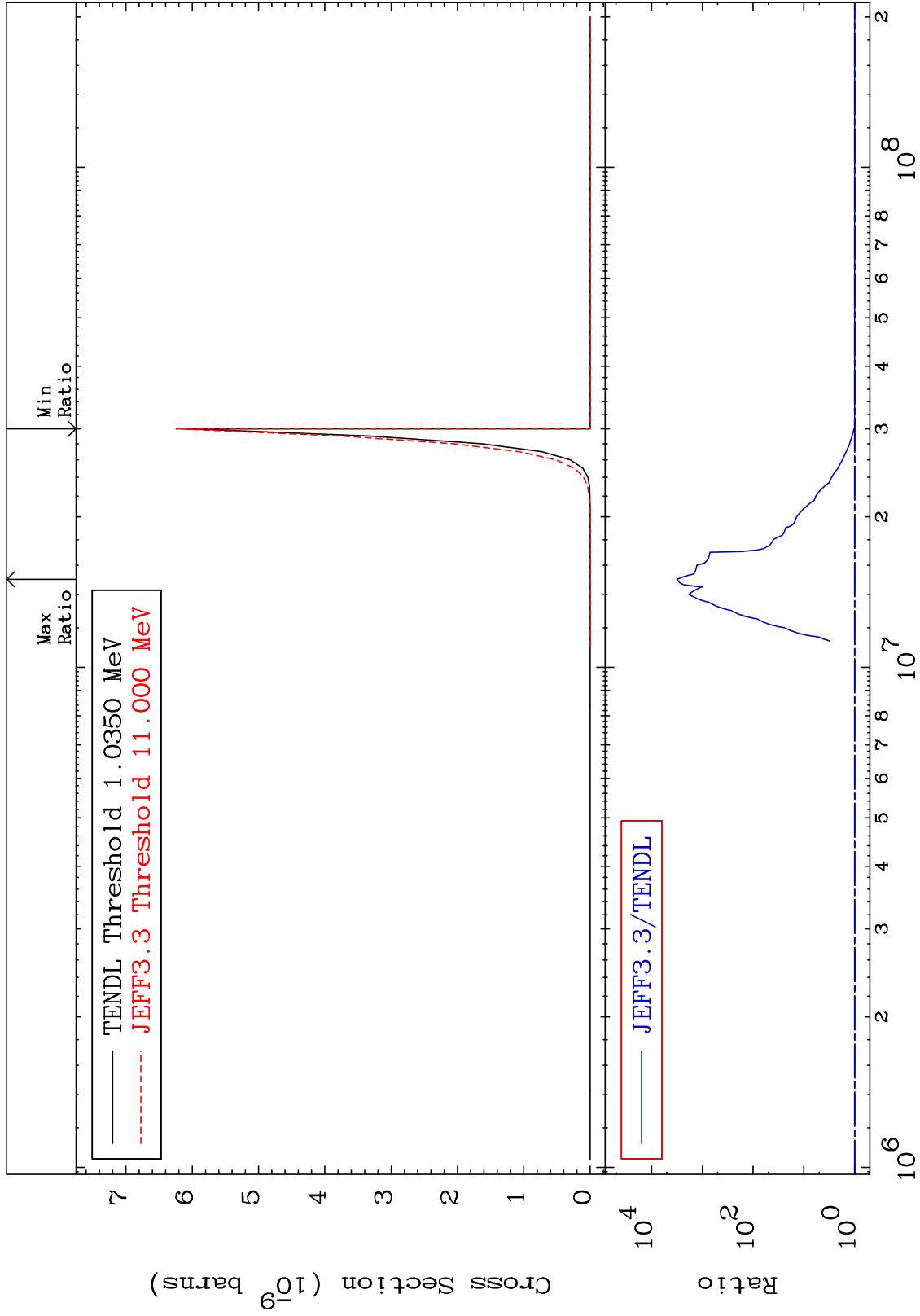
78-Pt-194

MAT 7837

(n, p) α : 75-Re-190m3

78-Pt-194

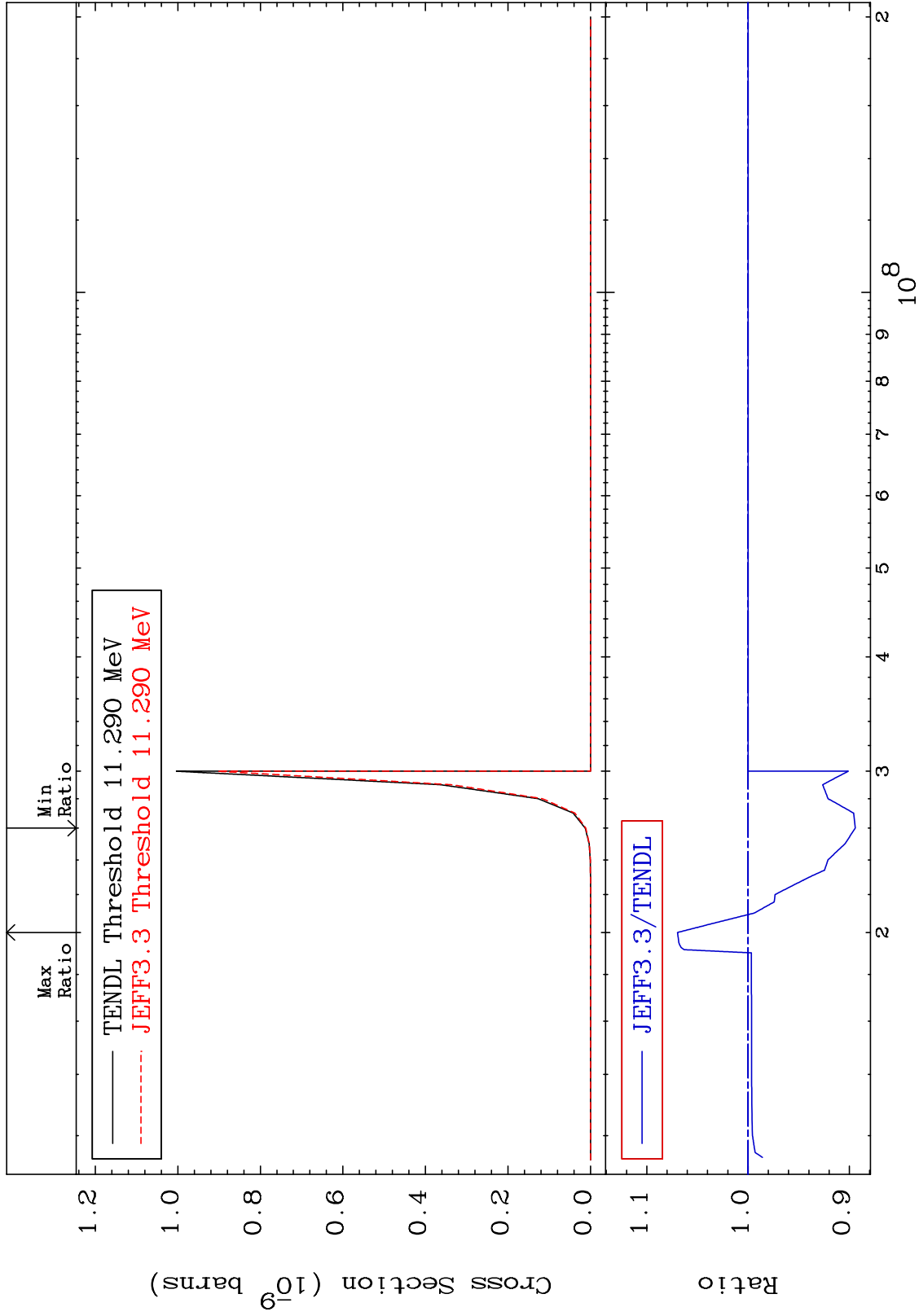
Radionuclide Production Cross Section 0.000 To 9999. %



110

78-Pt-194

78-Pt-194

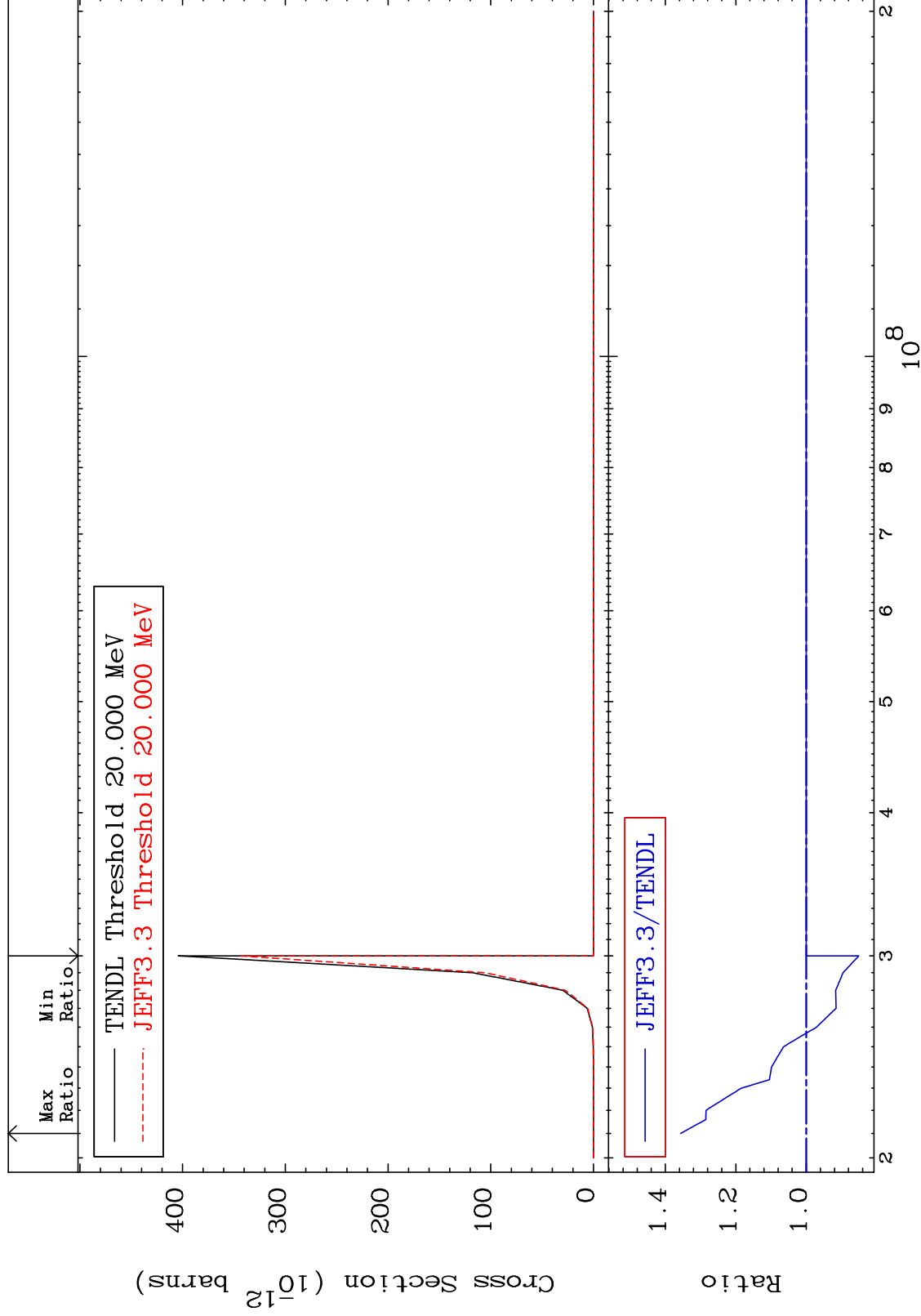


MAT 7837

(n, p) d:76-0s-192m5

78-Pt-194

Radionuclide Production Cross Section -14.89 To 35.65 %

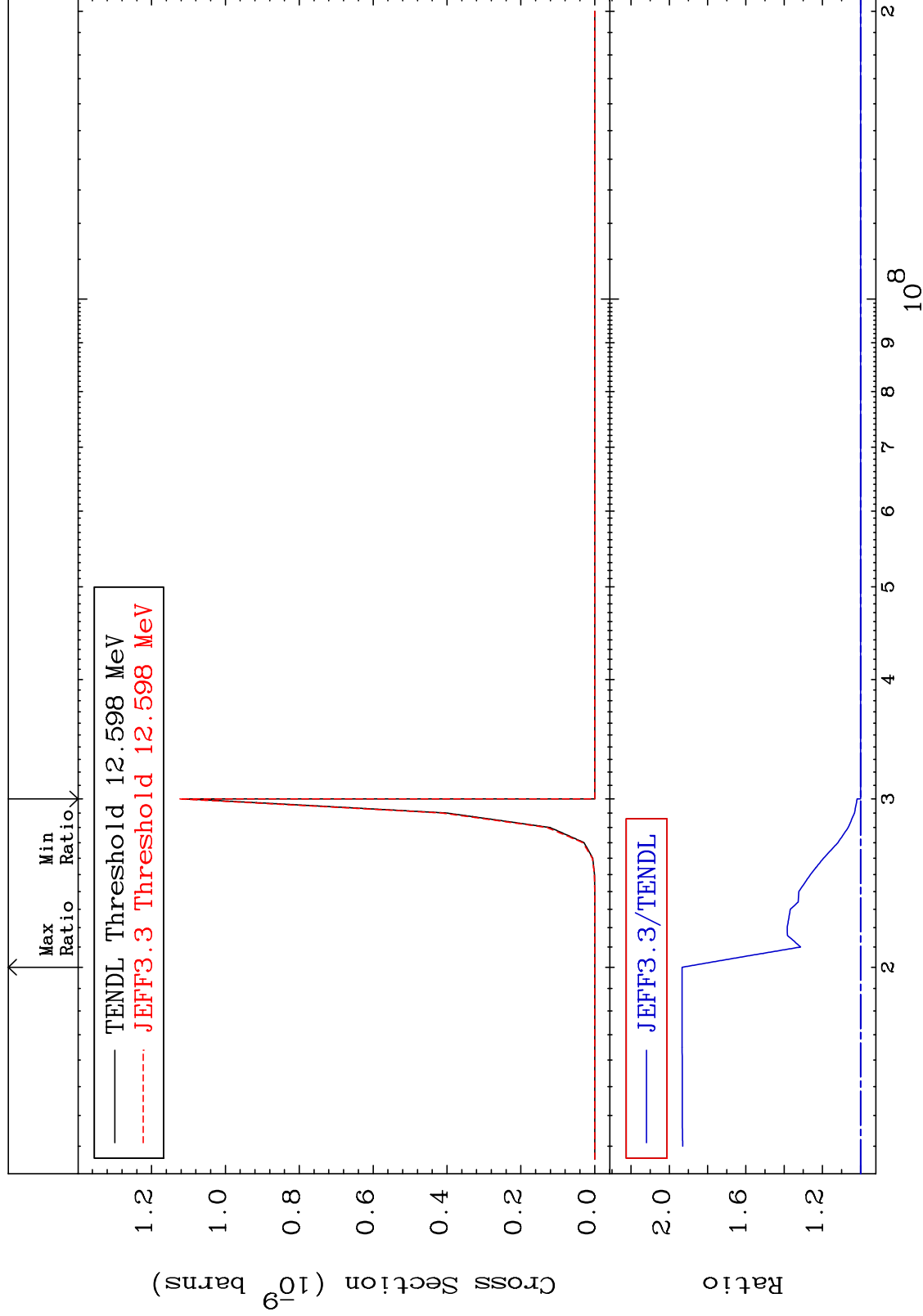


MAT 7837

(n, p) t:76-0s-191g

78-Pt-194

Radionuclide Production Cross Section 0.000 To 93.32 %



113

Incident Energy (eV)

78-Pt-194

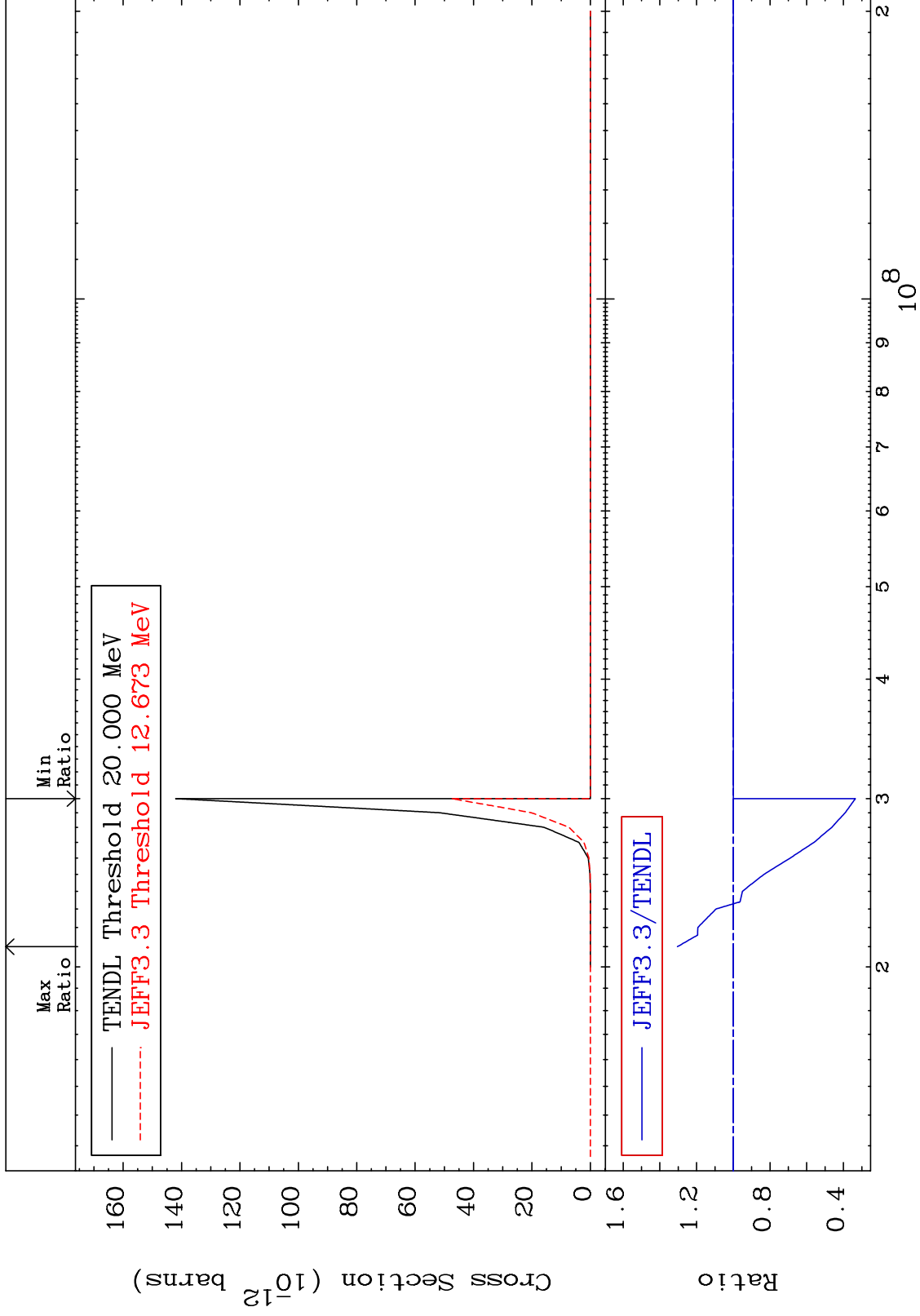
MAT 7837

(n, p) t: 76-0s-191m1

78-Pt-194

Radionuclide Production Cross Section

-66.52 To 30.42 %



MAT 7837

(n,p) t:76-0s-191m1

78-Pt-194

Radionuclide Production Cross Section

-66.52 To 30.42 %

