

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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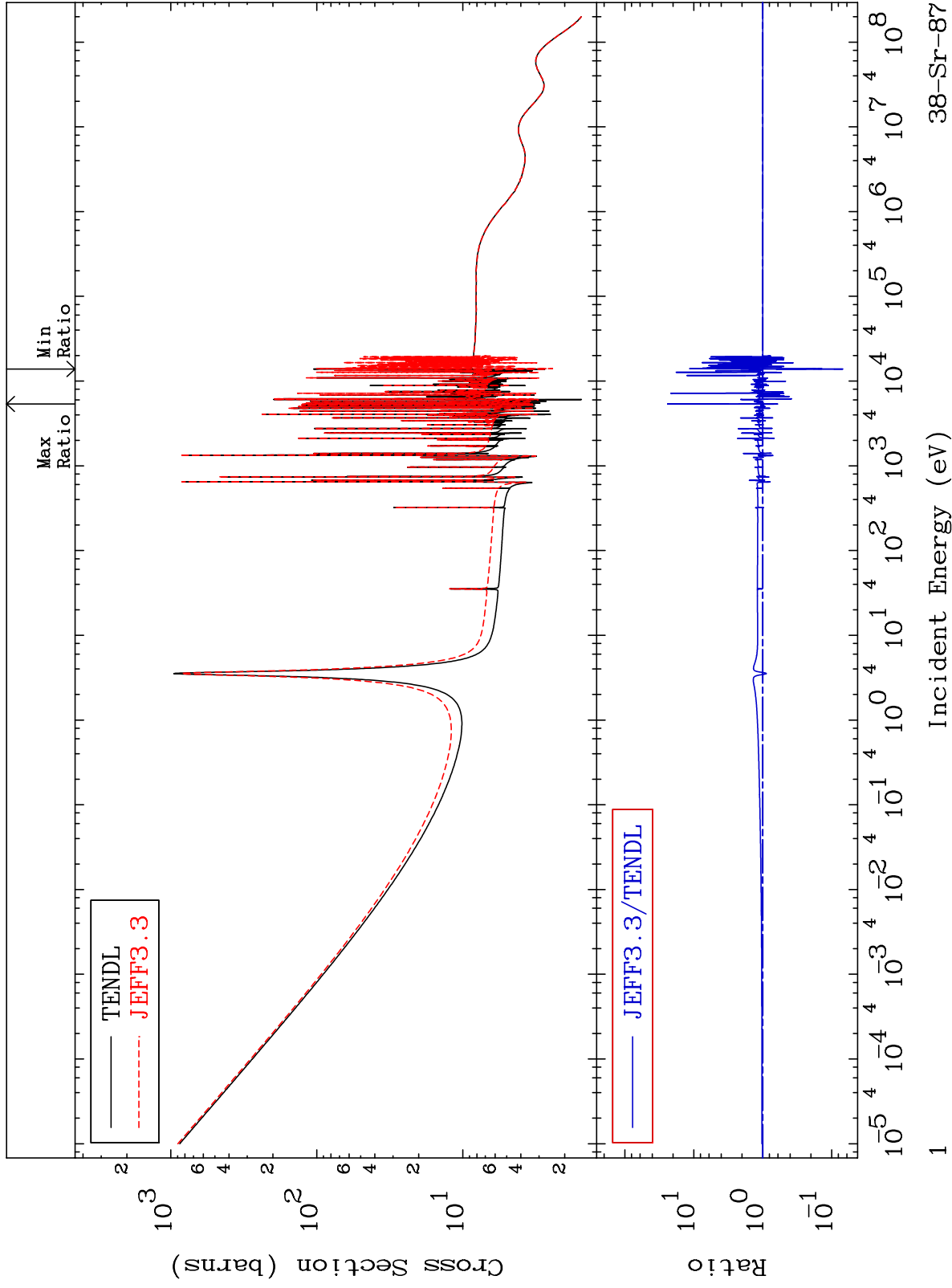
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3834

Total
Cross Section

38-Sr-87
-93.08 To 2301. %

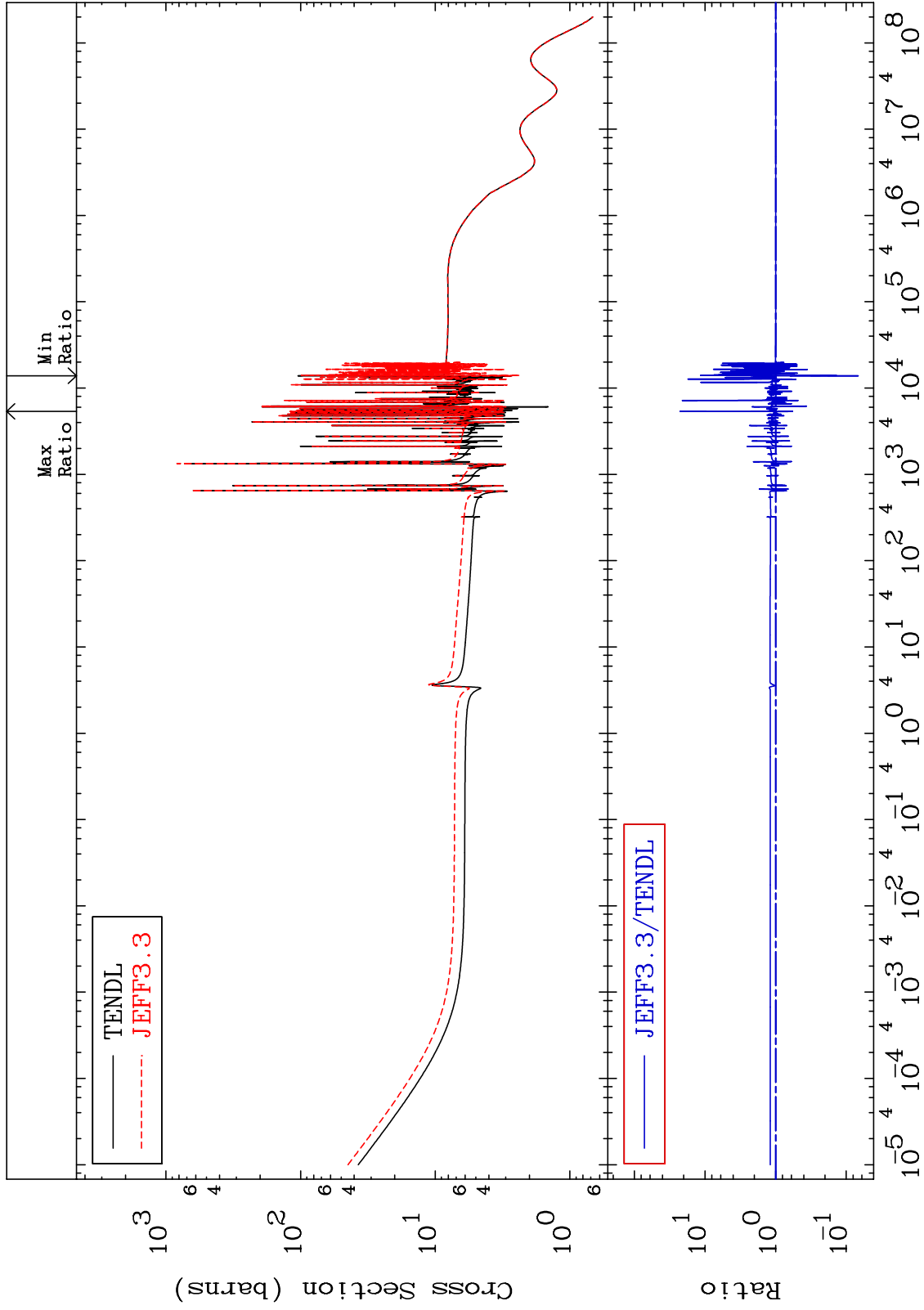


38-Sr-87

MAT 3834

Elastic
Cross Section

38-Sr-87
-93.27 To 2159. %



Incident Energy (eV)

38-Sr-87

2

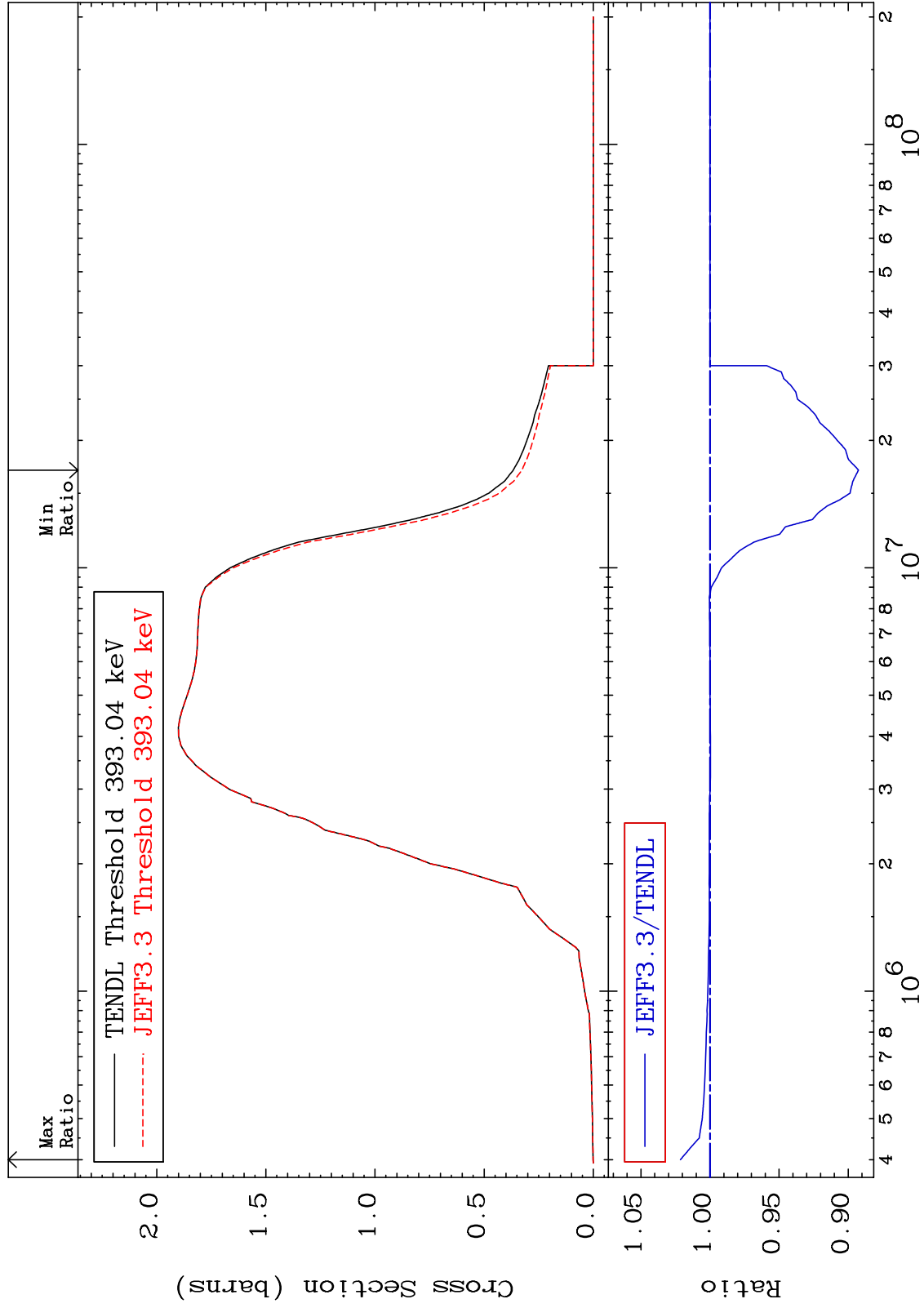
MAT 3834

Inelastic

38-Sr-87

Cross Section

-10.75 To 2.139 %



3

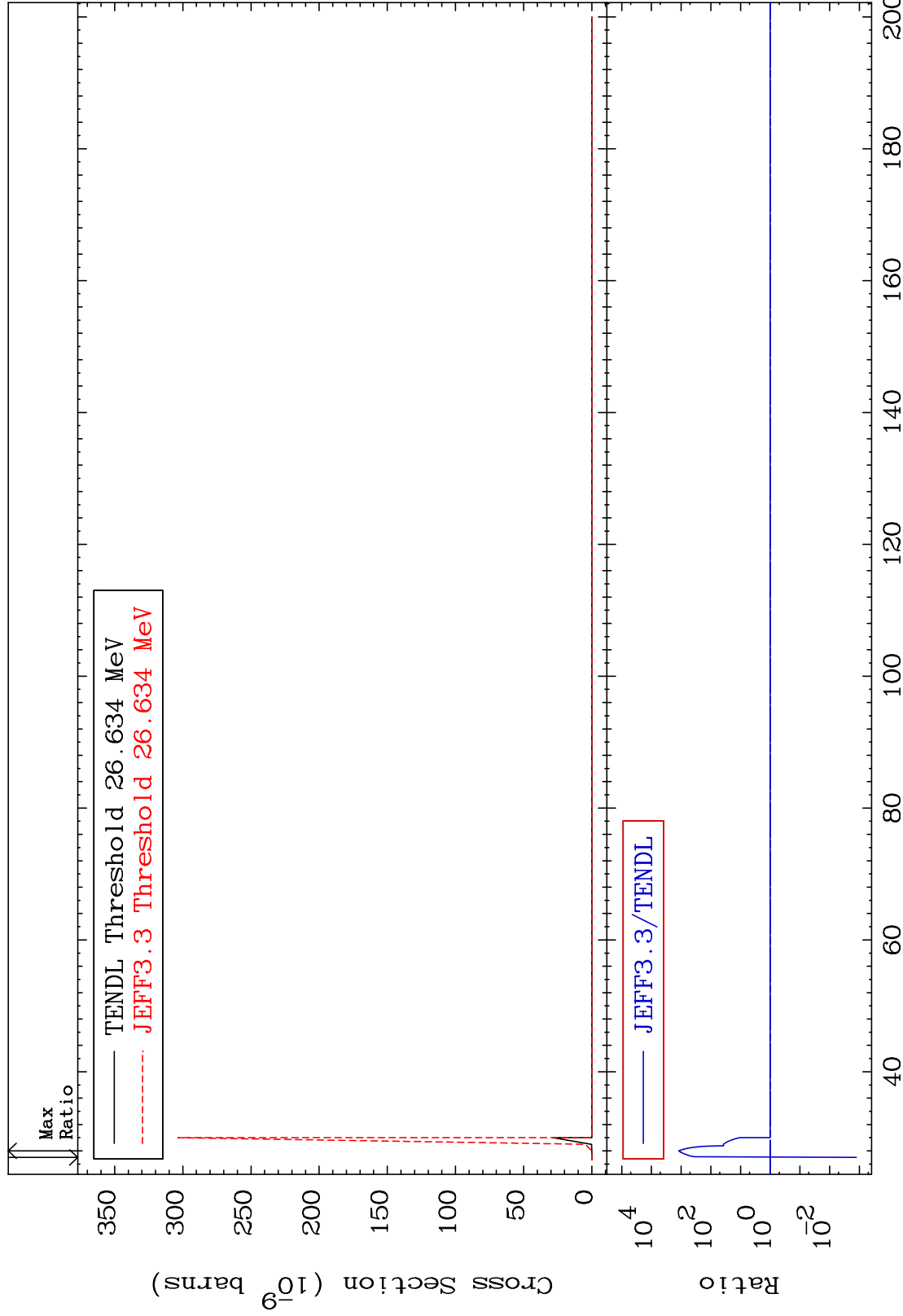
MAT 3834

(n,2n) d

38-Sr-87

Cross Section

-99.87 To 9999. %



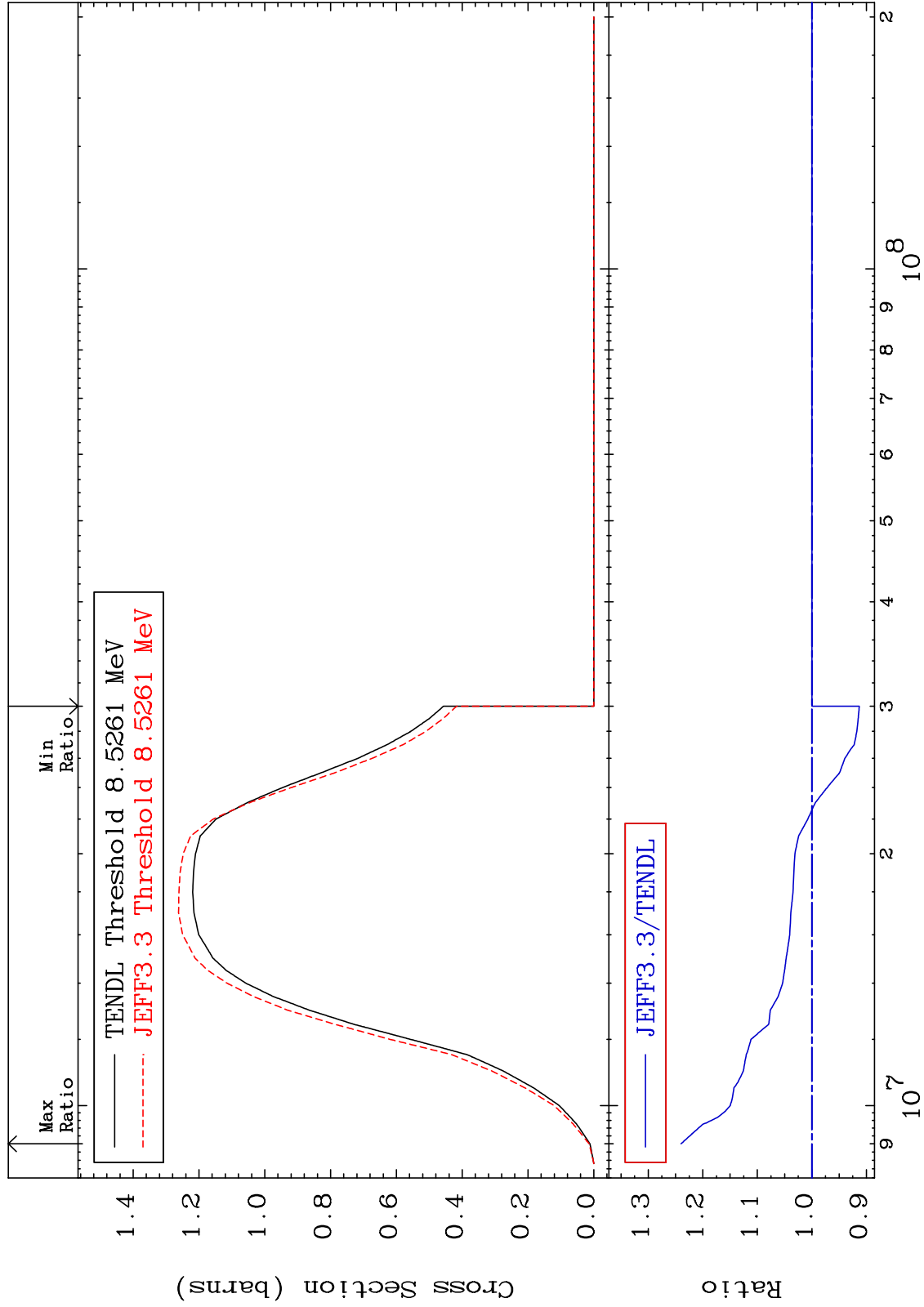
MAT 3834

(n,2n)

38-Sr-87

Cross Section

-8.689 To 23.99 %



38-Sr-87

Incident Energy (eV)

5

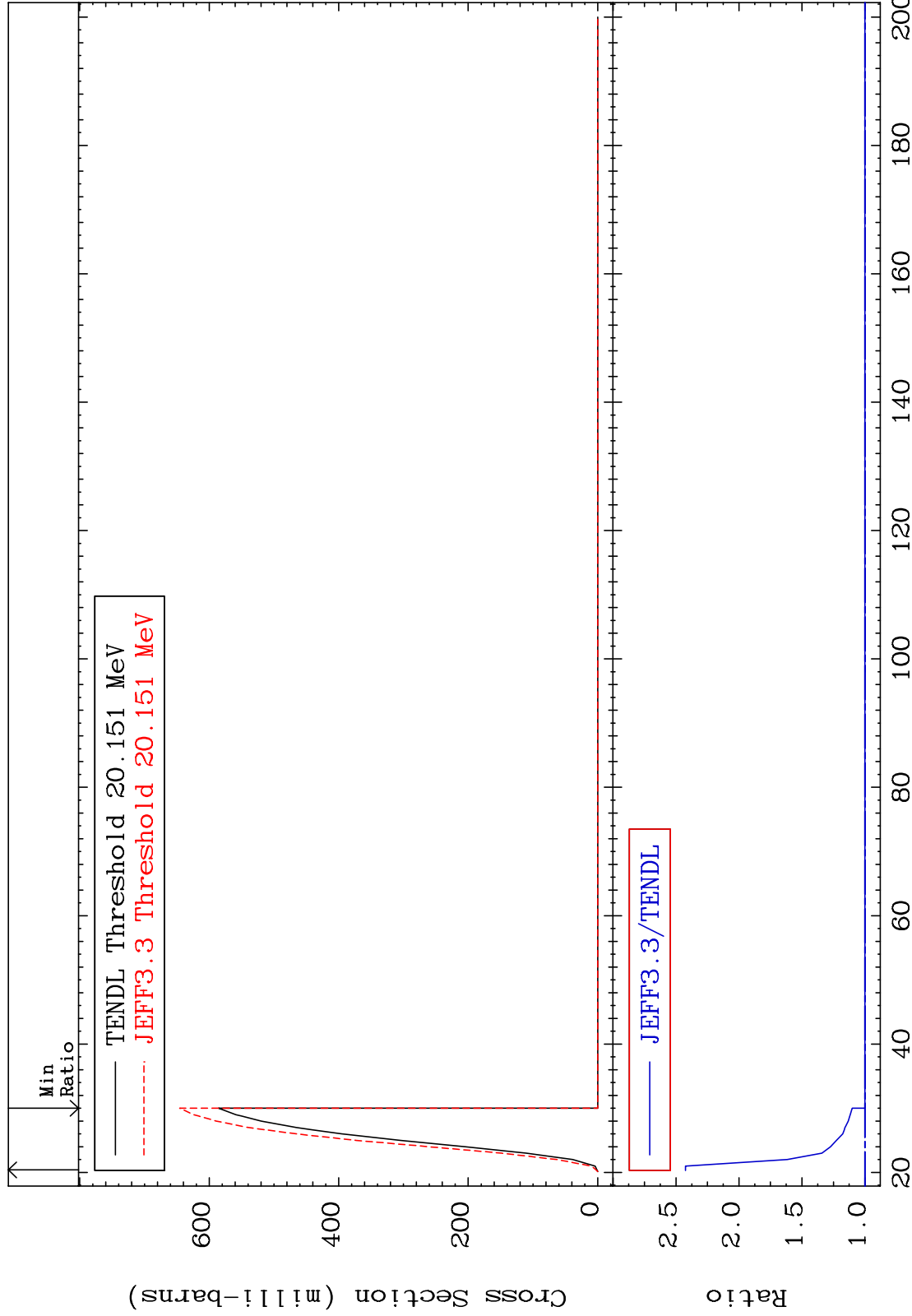
MAT 3834

(n, 3n)

³⁸Sr-87

Cross Section

0.000 To 142.4 %



6

Incident Energy (MeV)

³⁸Sr-87

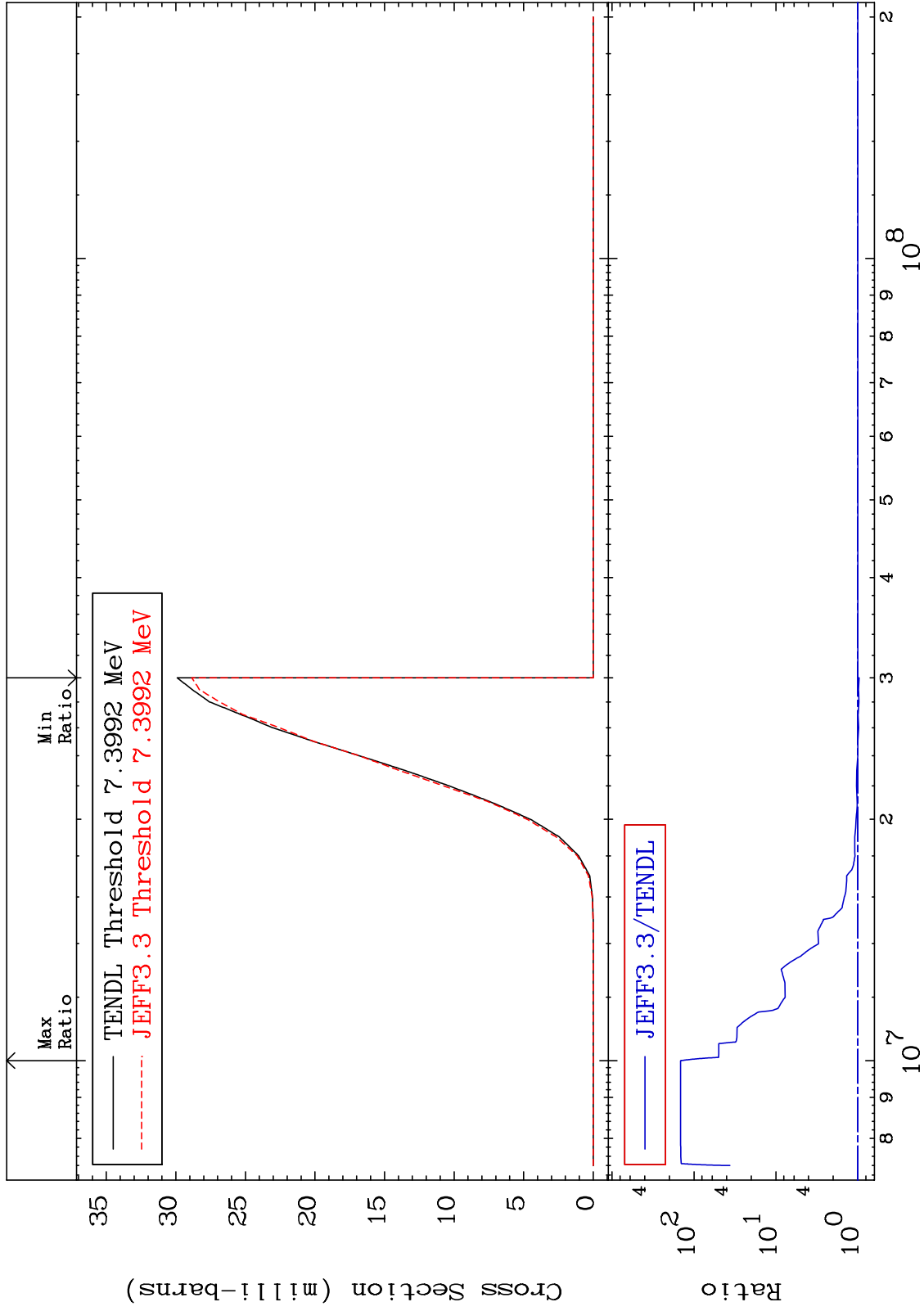
MAT 3834

(n, n') α

38-Sr-87

Cross Section

-3.532 To 9999. %



MAT 3834

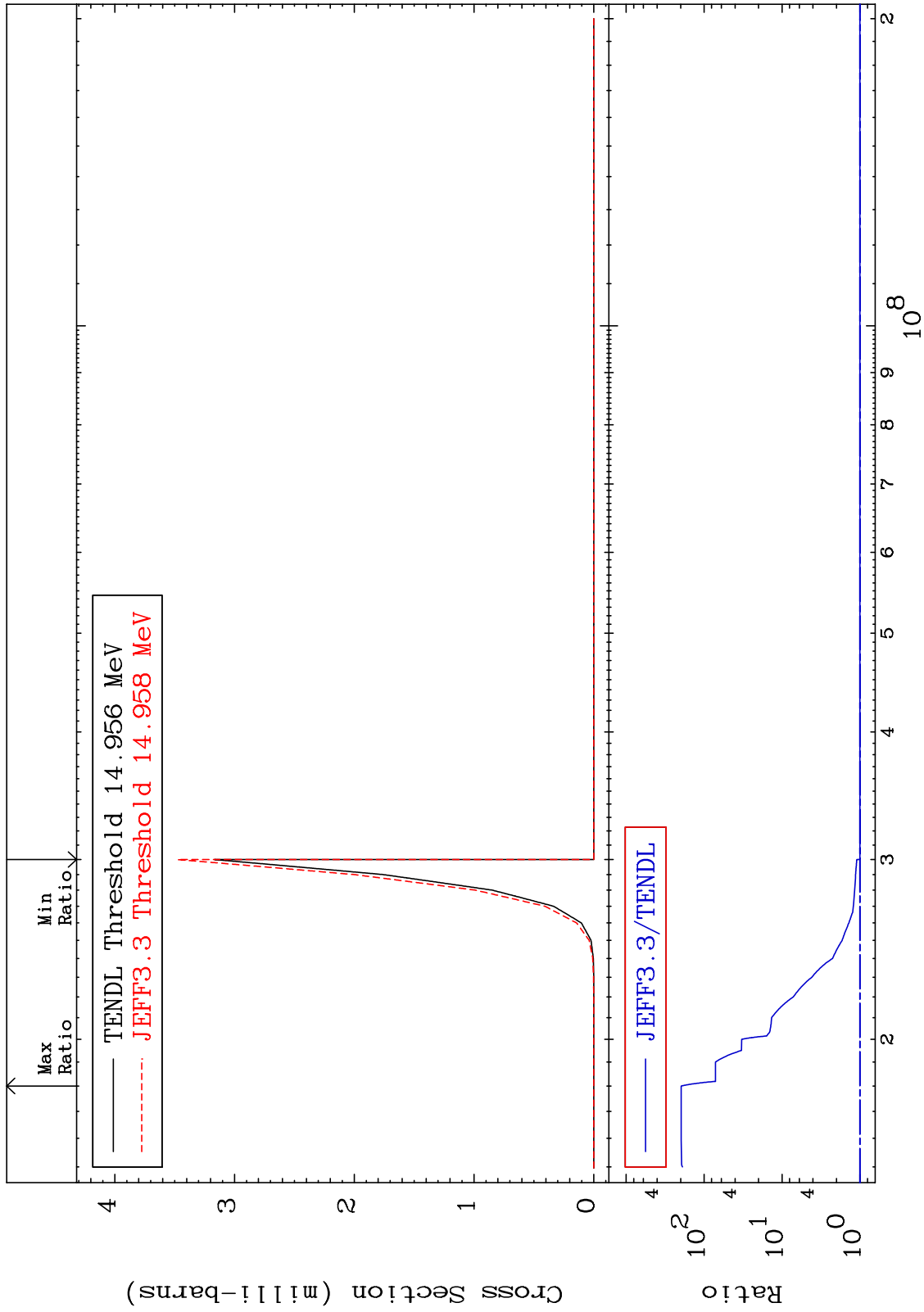
(n,2n) α

38-Sr-87

Cross Section

0.000

To 9999. %



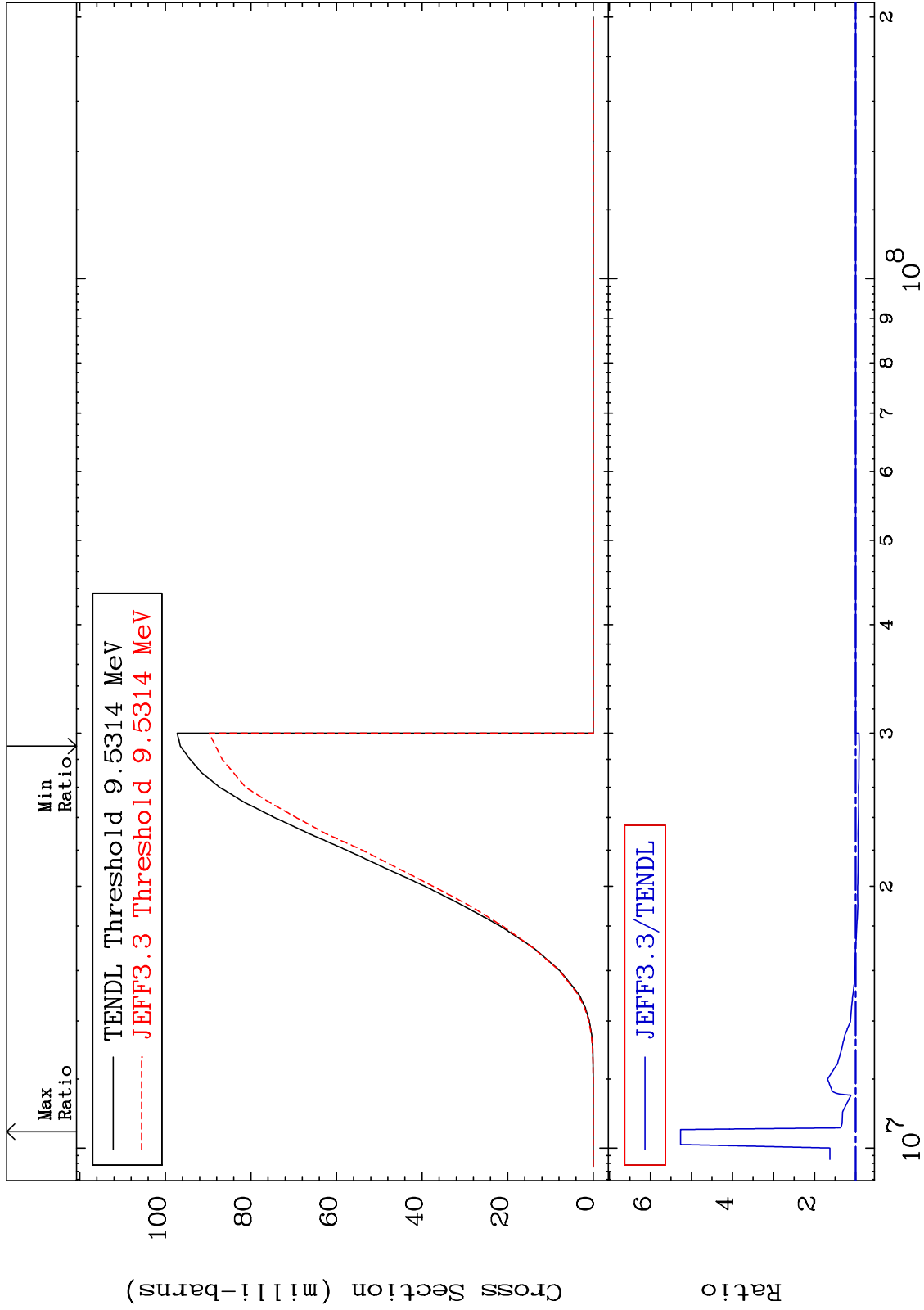
MAT 3834

(n,n') p

38-Sr-87

Cross Section

-8.550 To 426.5 %



9

Incident Energy (eV)

38-Sr-87

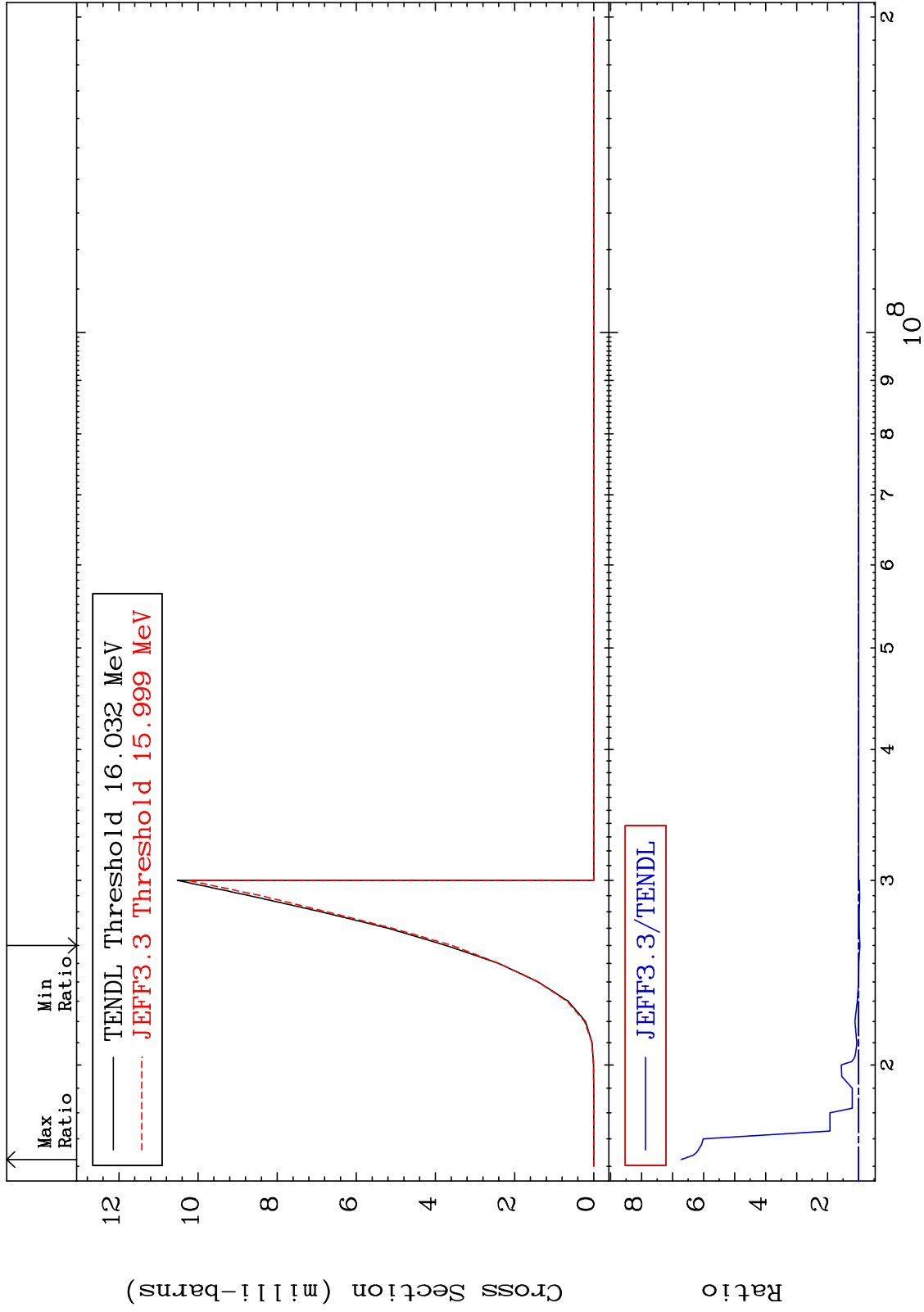
MAT 3834

(n, n') d

38-Sr-87

Cross Section

-4.139 To 572.2 %



10

Incident Energy (eV)

38-Sr-87

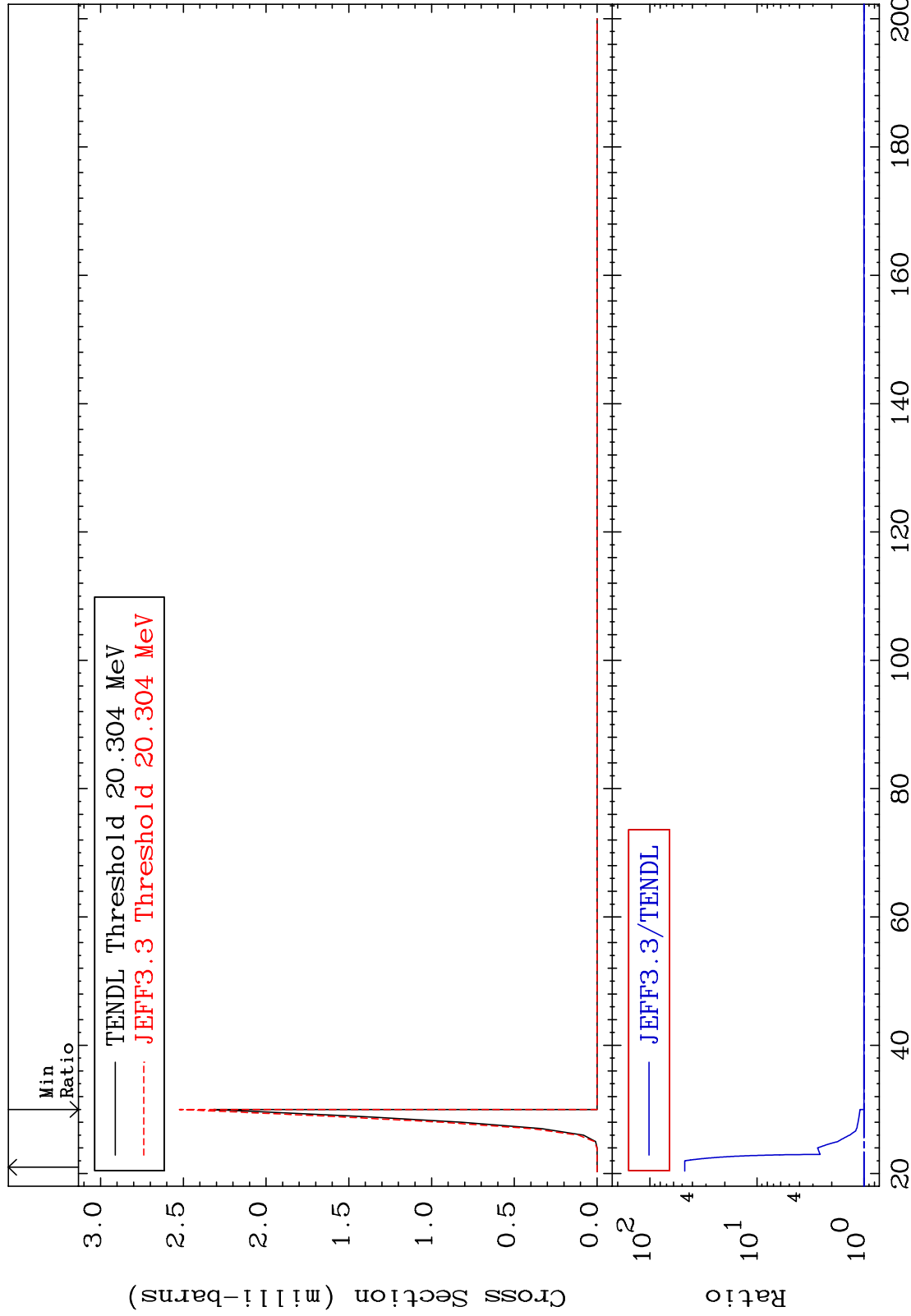
MAT 3834

(n,n') t

³⁸Sr-87

Cross Section

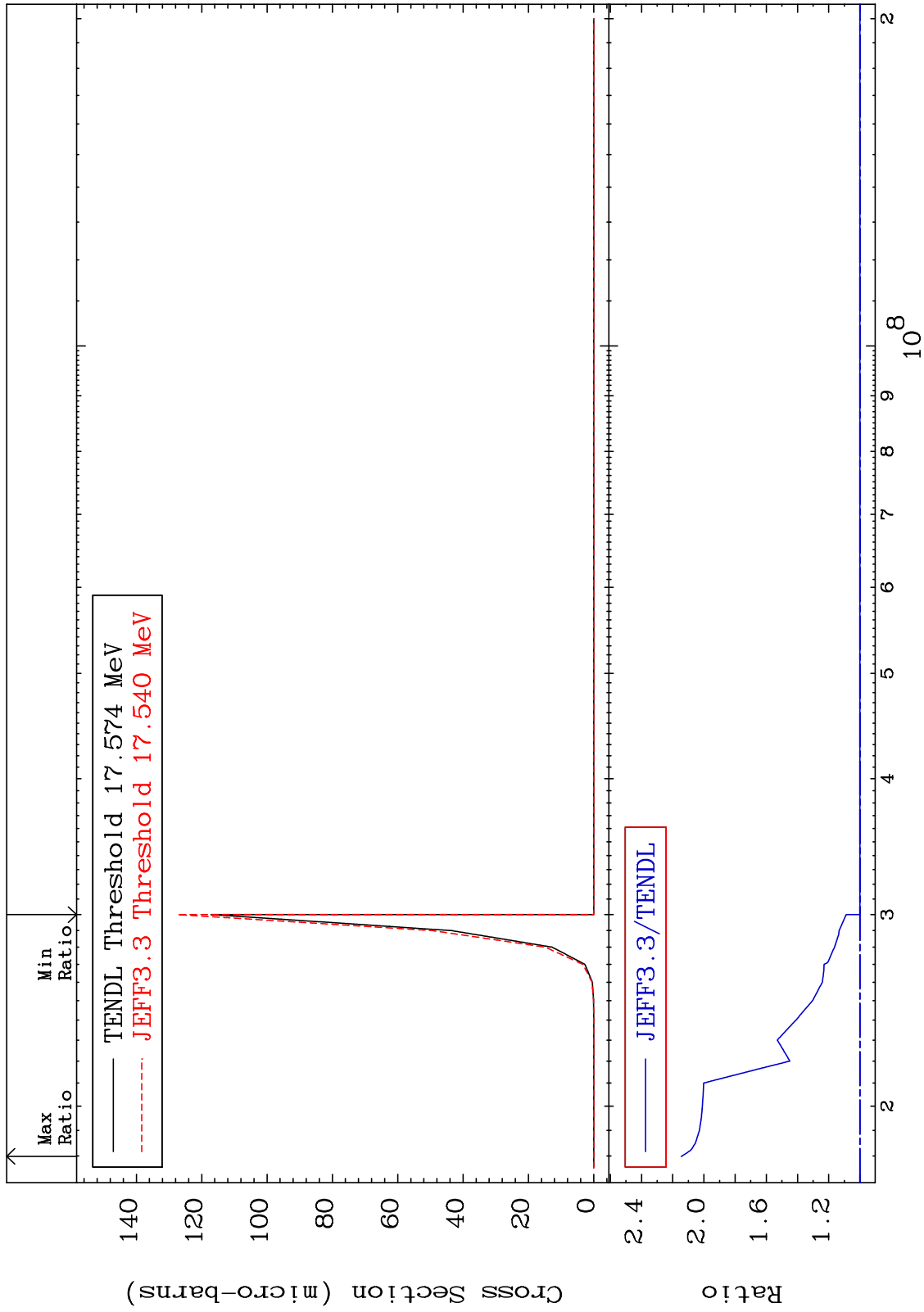
0.000 To 4621. %



MAT 3834

(n, n') He-3
Cross Section

38-Sr-87
0.000 To 114.5 %



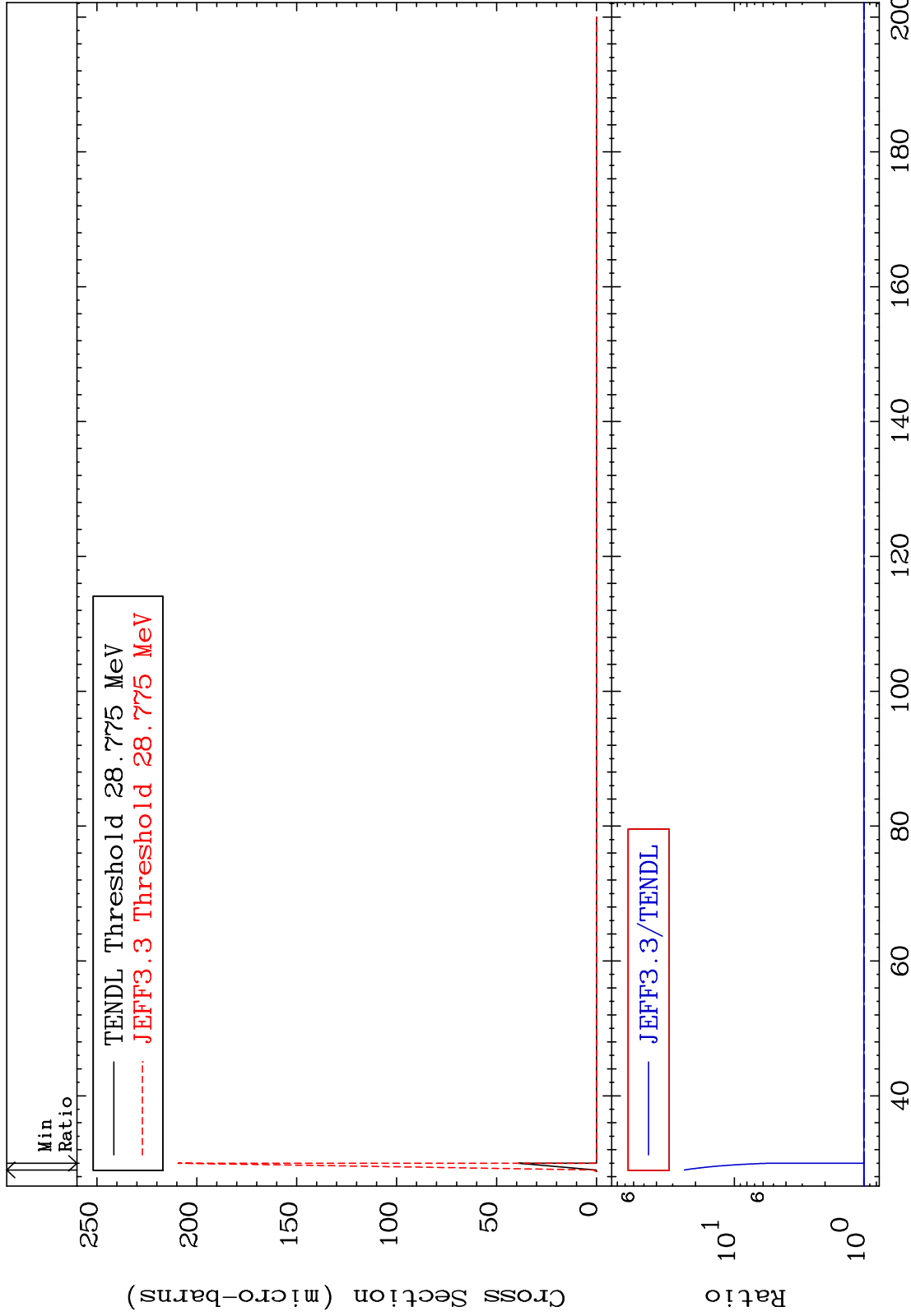
MAT 3834

(n, 4n)

38-Sr-87

Cross Section

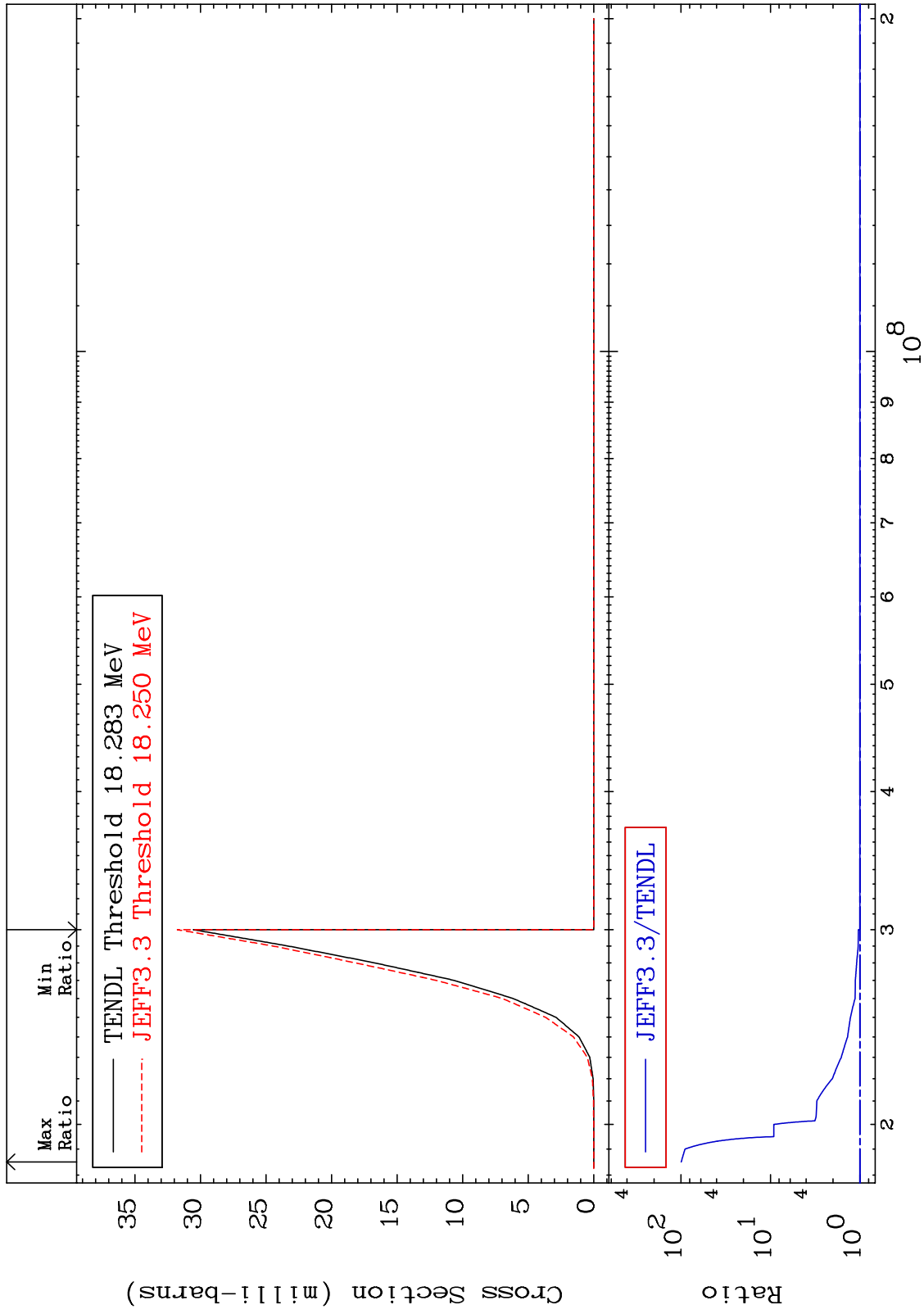
0.000 To 2333. %



MAT 3834

(n,2n) p
Cross Section

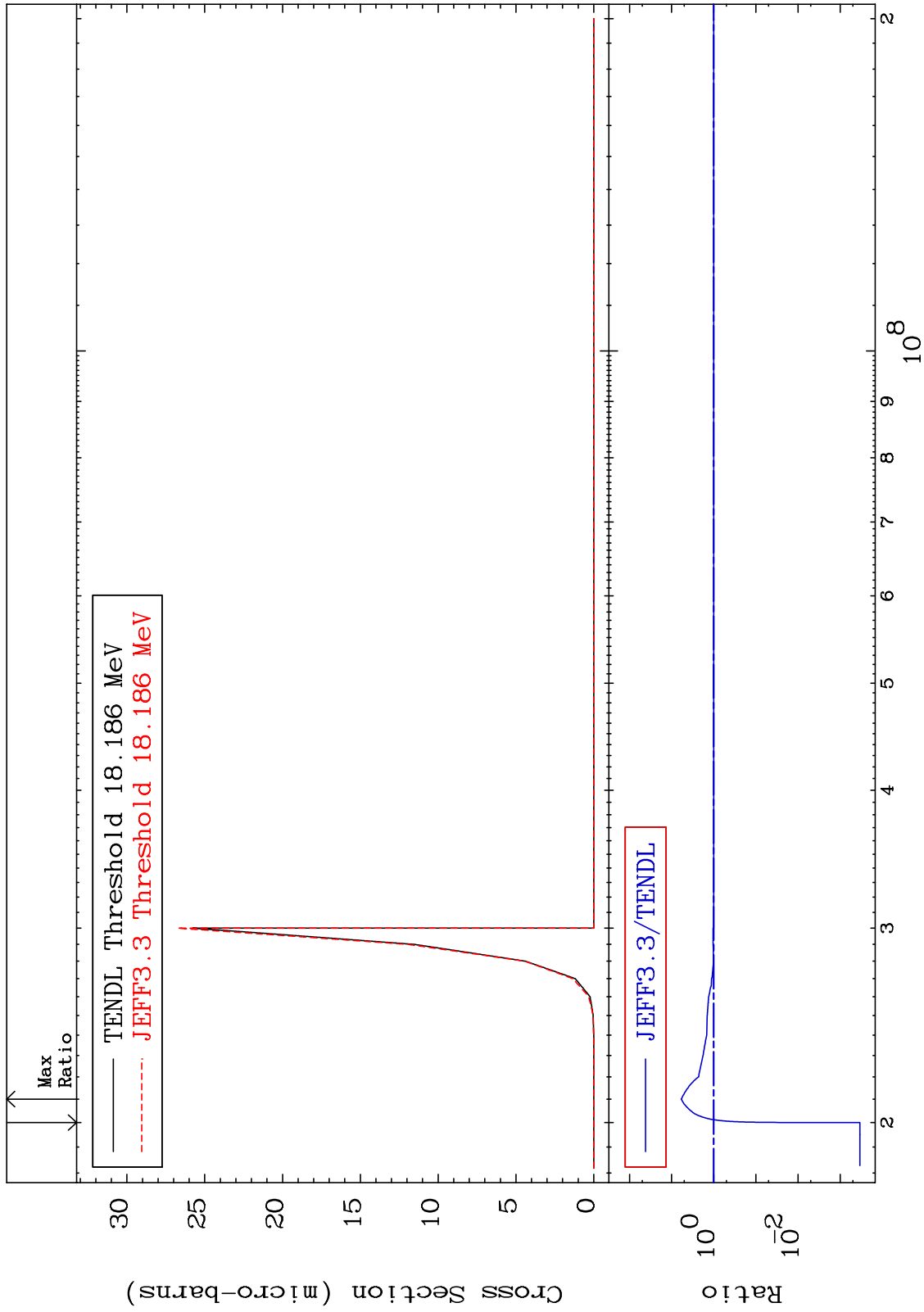
38-Sr-87
0.000 To 9826. %



MAT 3834

(n,2n) p
Cross Section

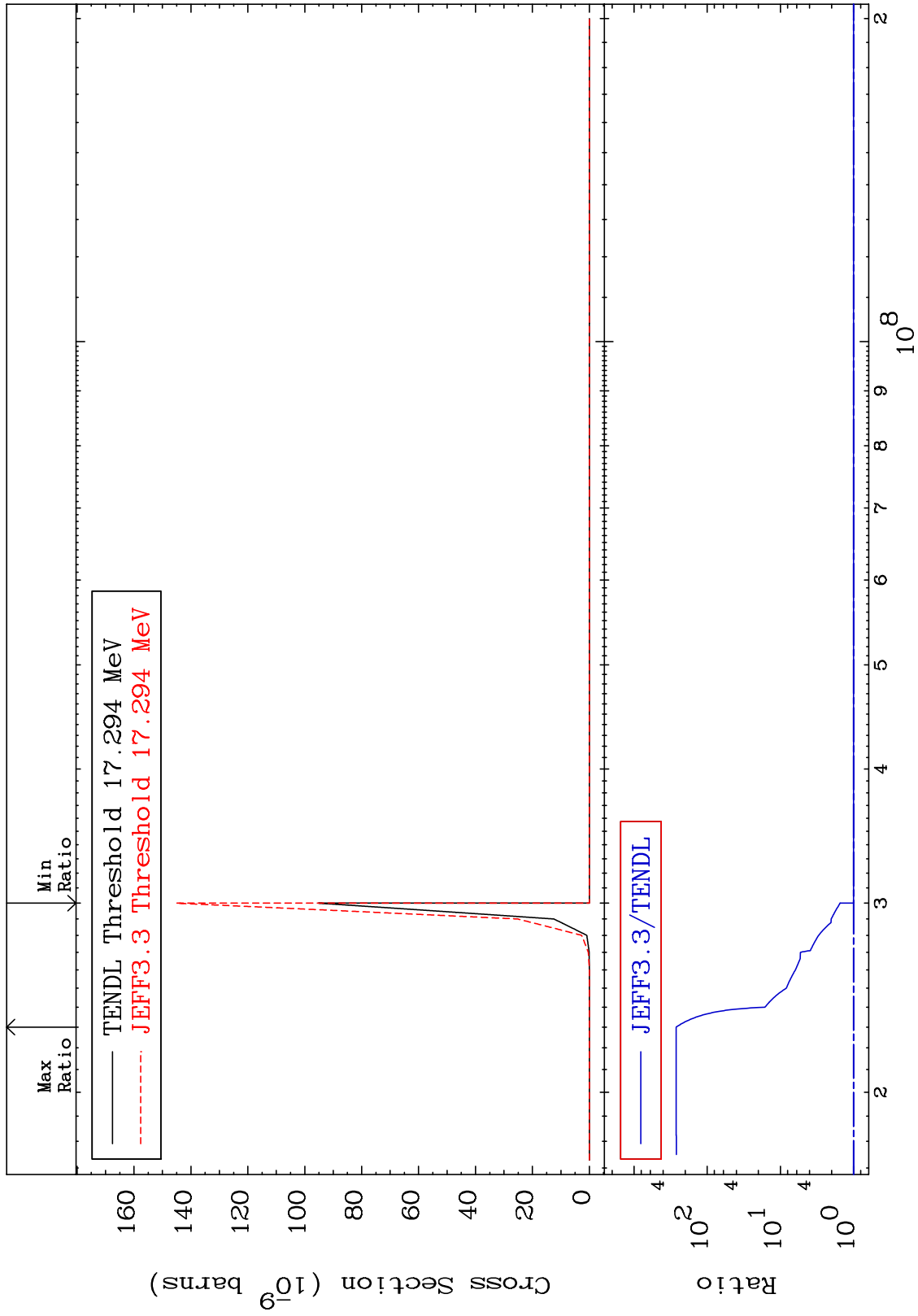
38-Sr-87
-99.97 To 492.1 %



MAT 3834

(n,n') p α
Cross Section

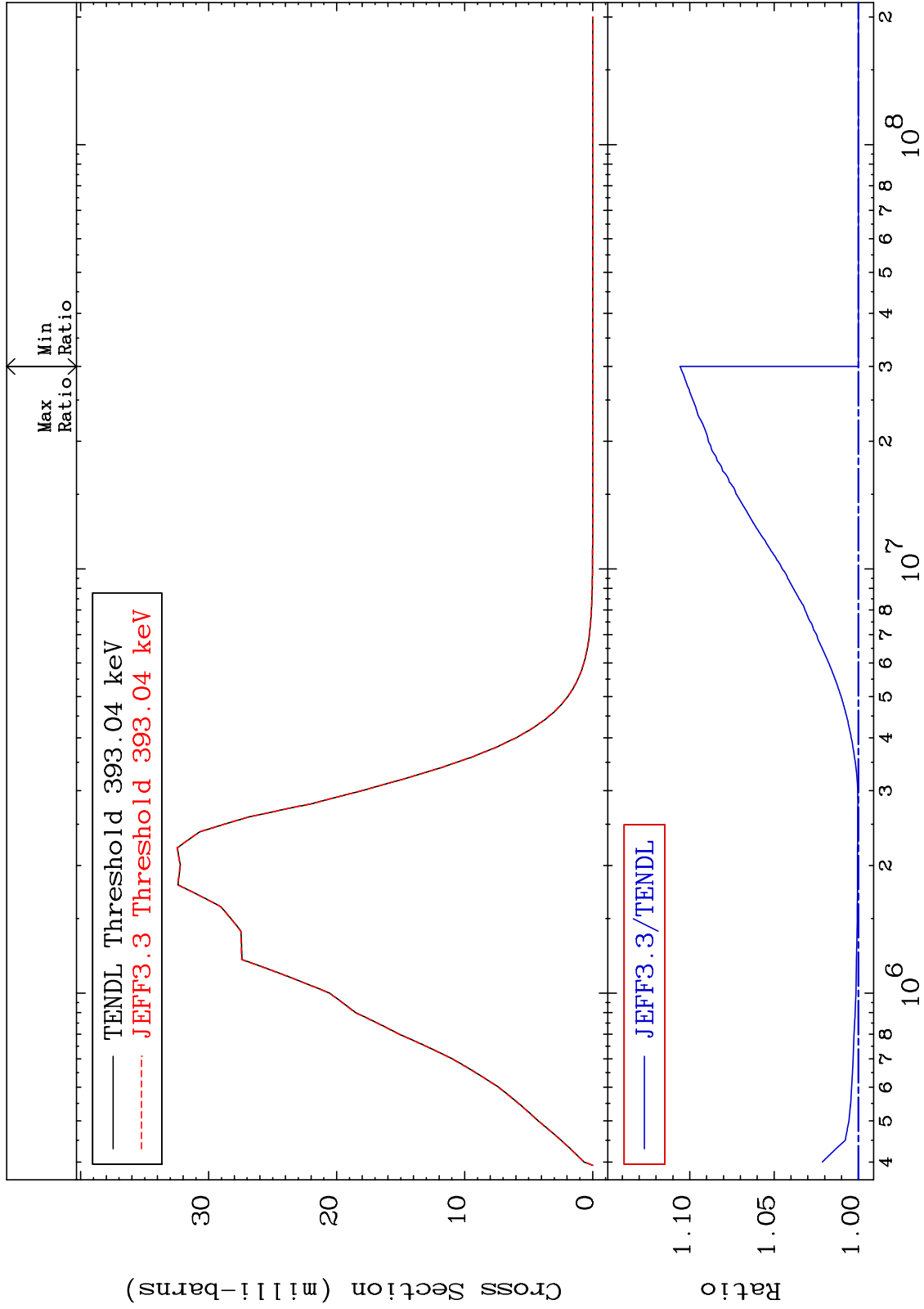
38-Sr-87
0.000 To 9999. %



MAT 3834

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

38-Sr-87
0.000 To 10.58 %

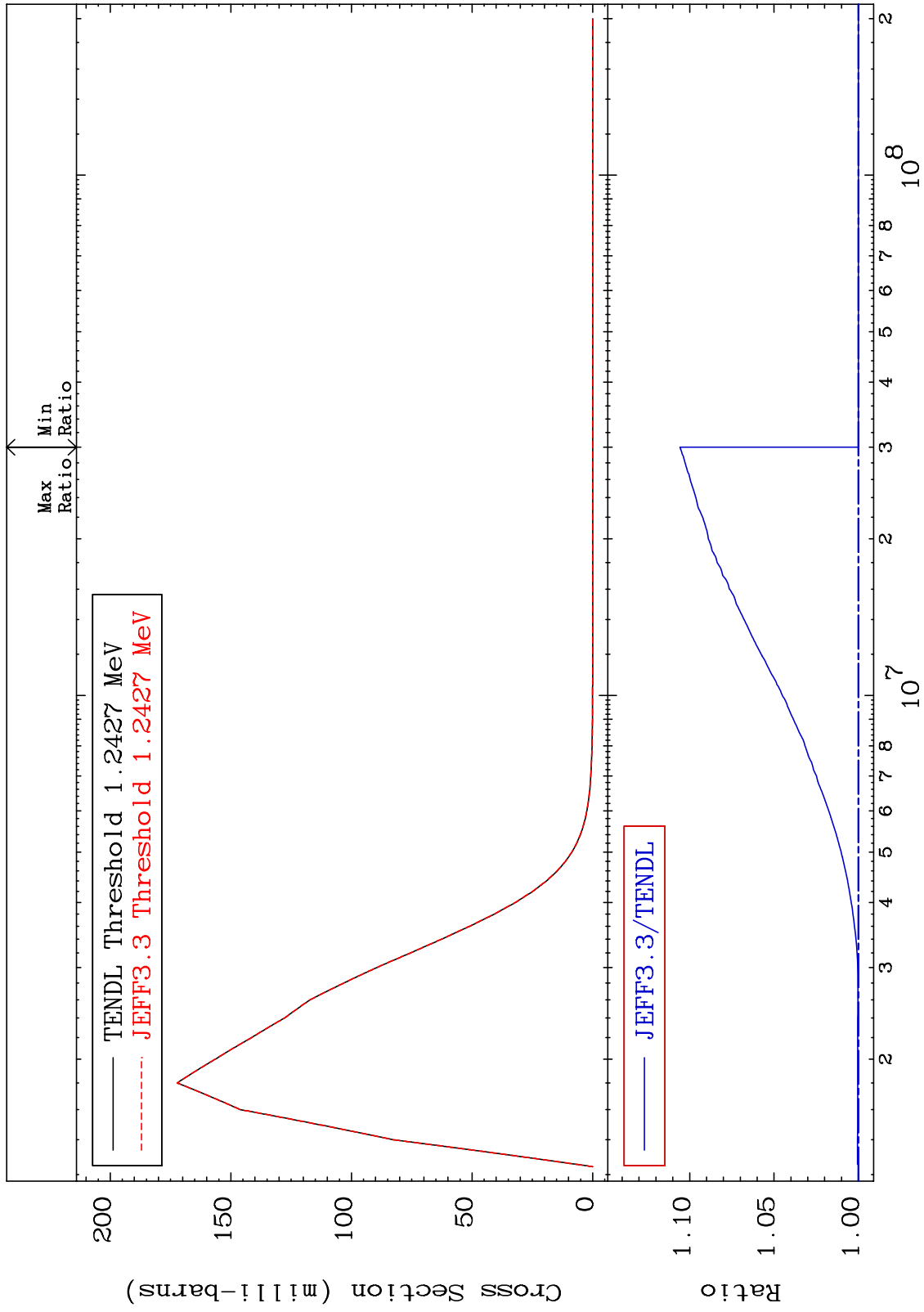


17

MAT 3834

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

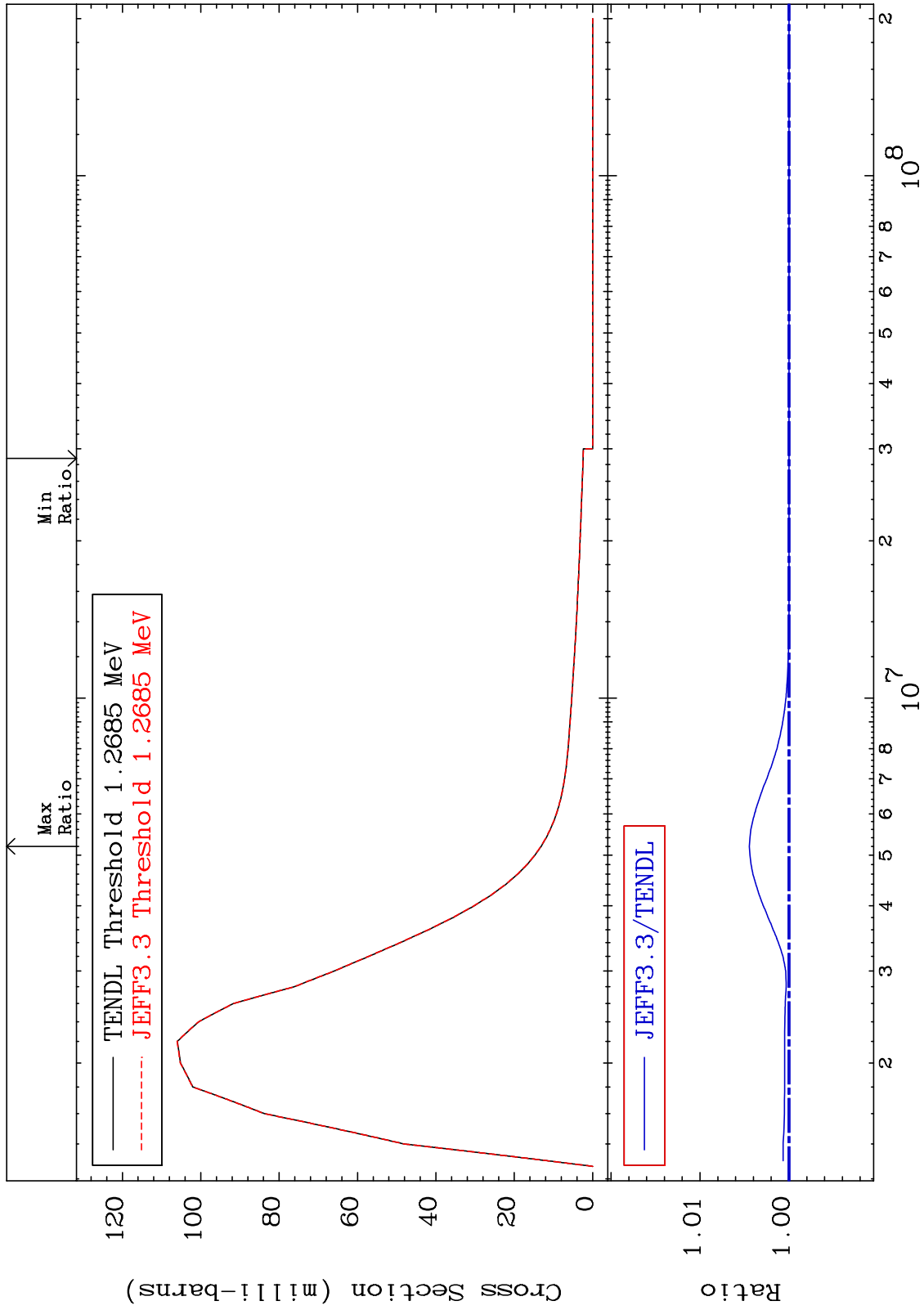
38-Sr-87
0.000 To 10.57 %



MAT 3834

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

38-Sr-87
0.000 To 0.445 %



20

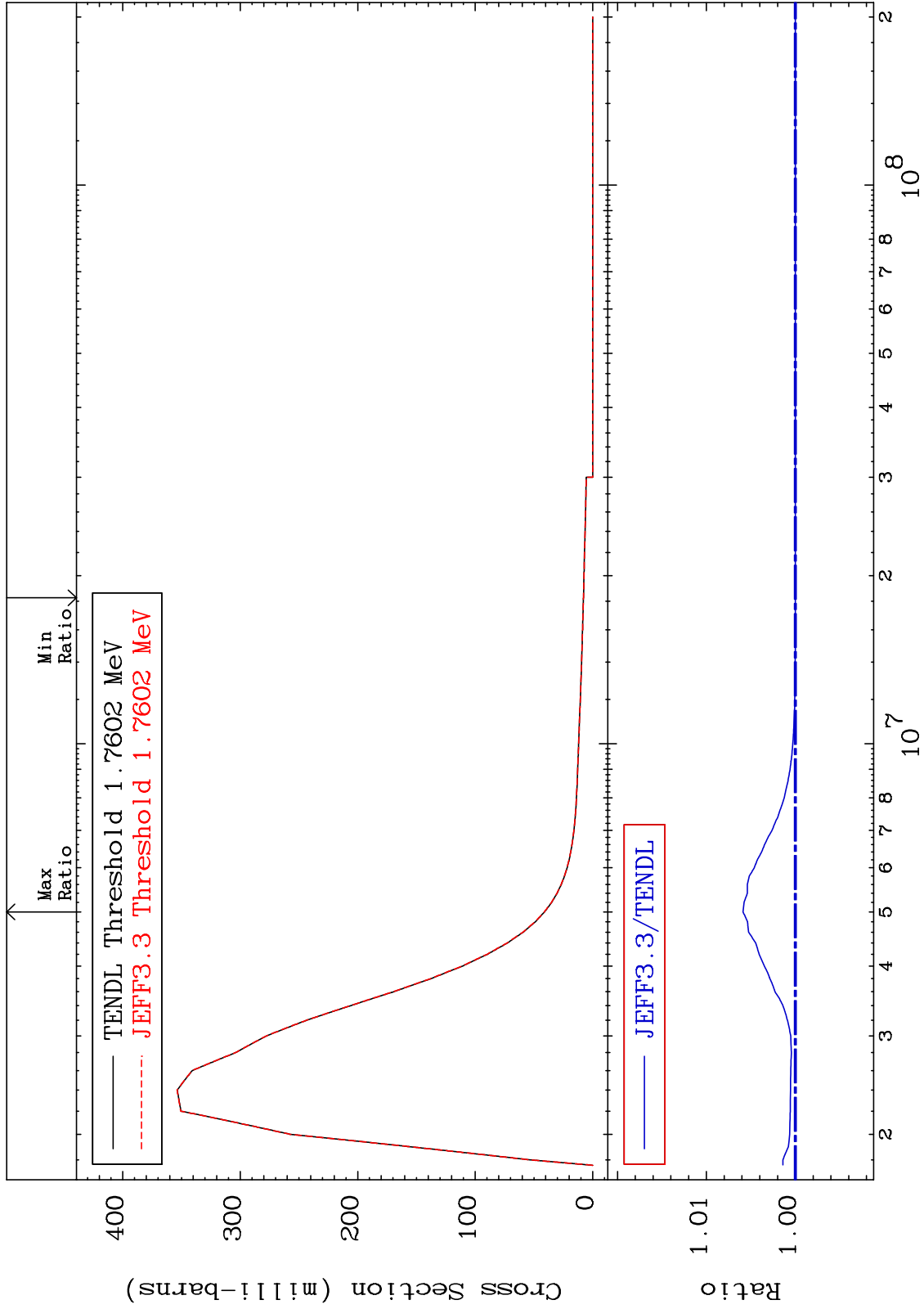
Incident Energy (eV)

38-Sr-87

MAT 3834

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

38-Sr-87
0.000 To 0.588 %

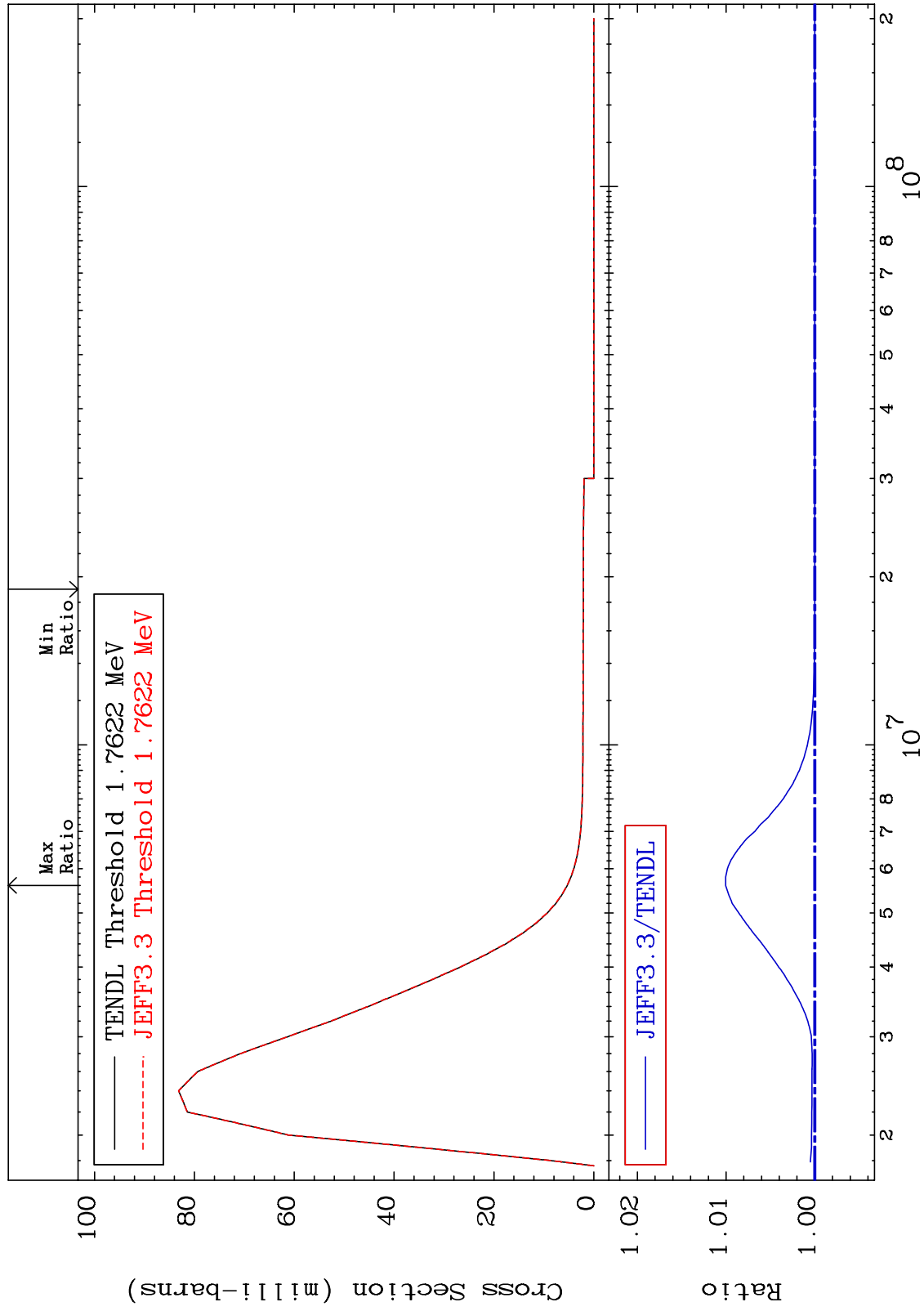


MAT 3834

MT= 56 (n, n') Level

38-Sr-87

0.000 To 1.005 %



22

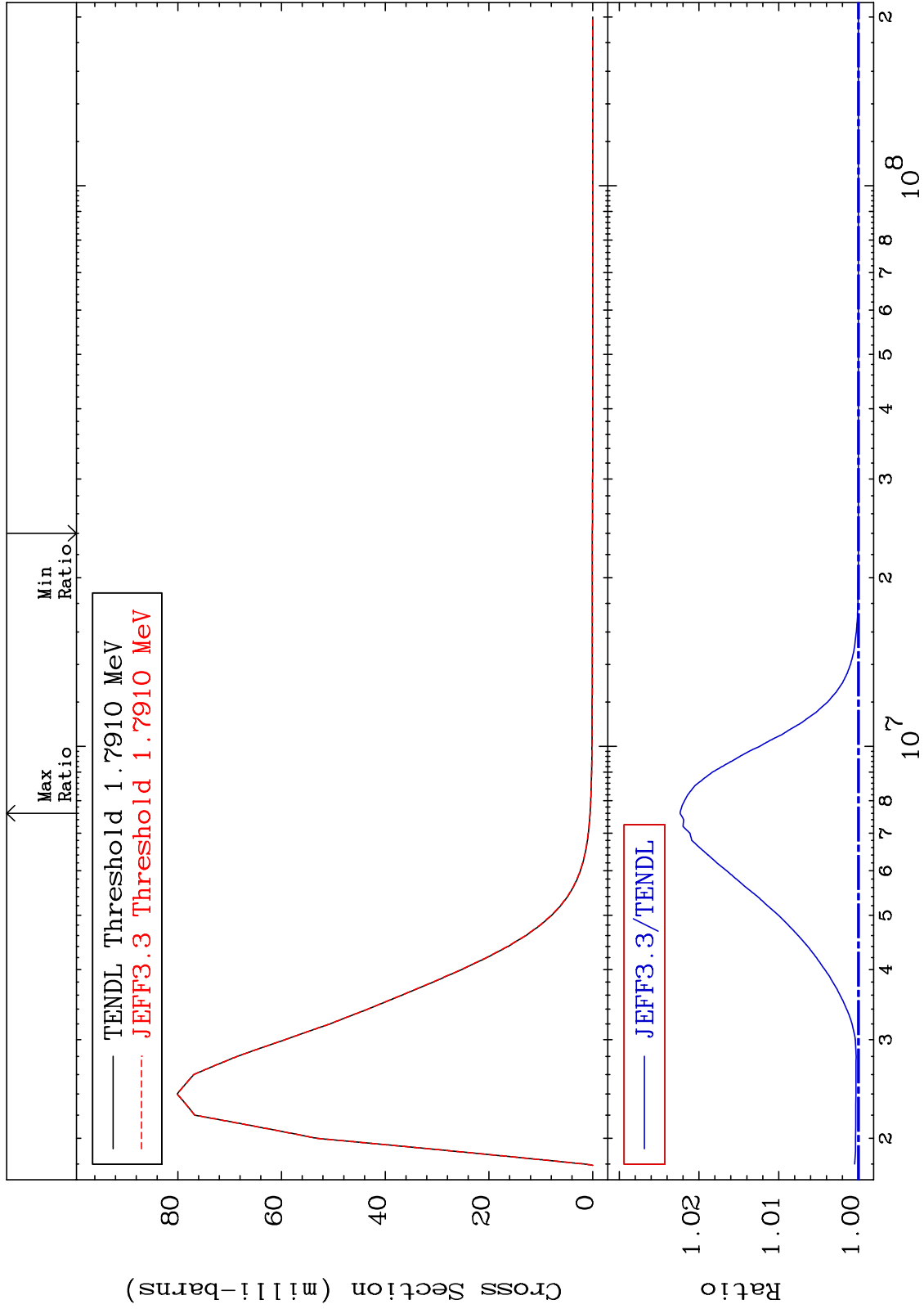
Incident Energy (eV)

38-Sr-87

MAT 3834

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

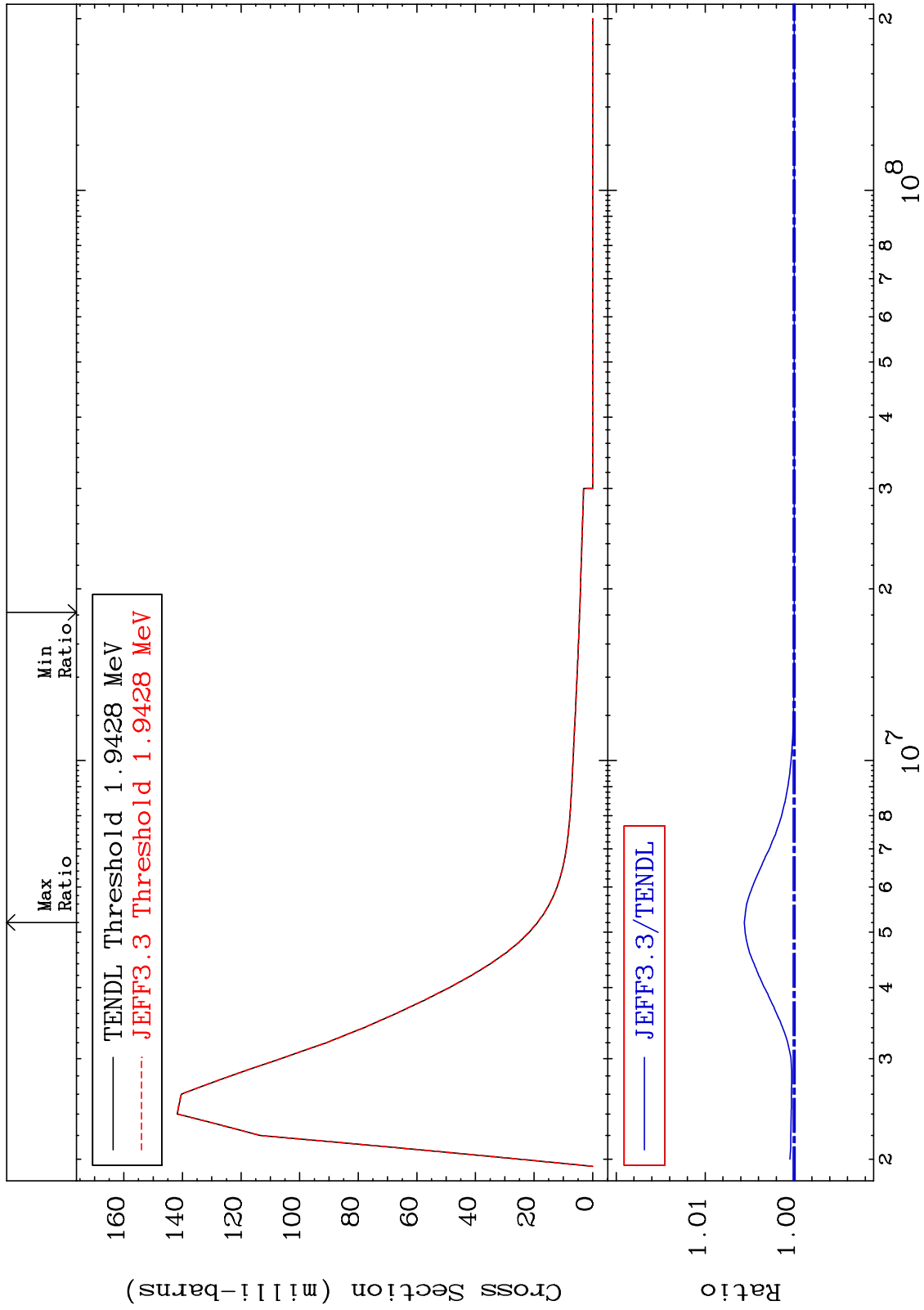
38-Sr-87
0.000 To 2.238 %



MAT 3834

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

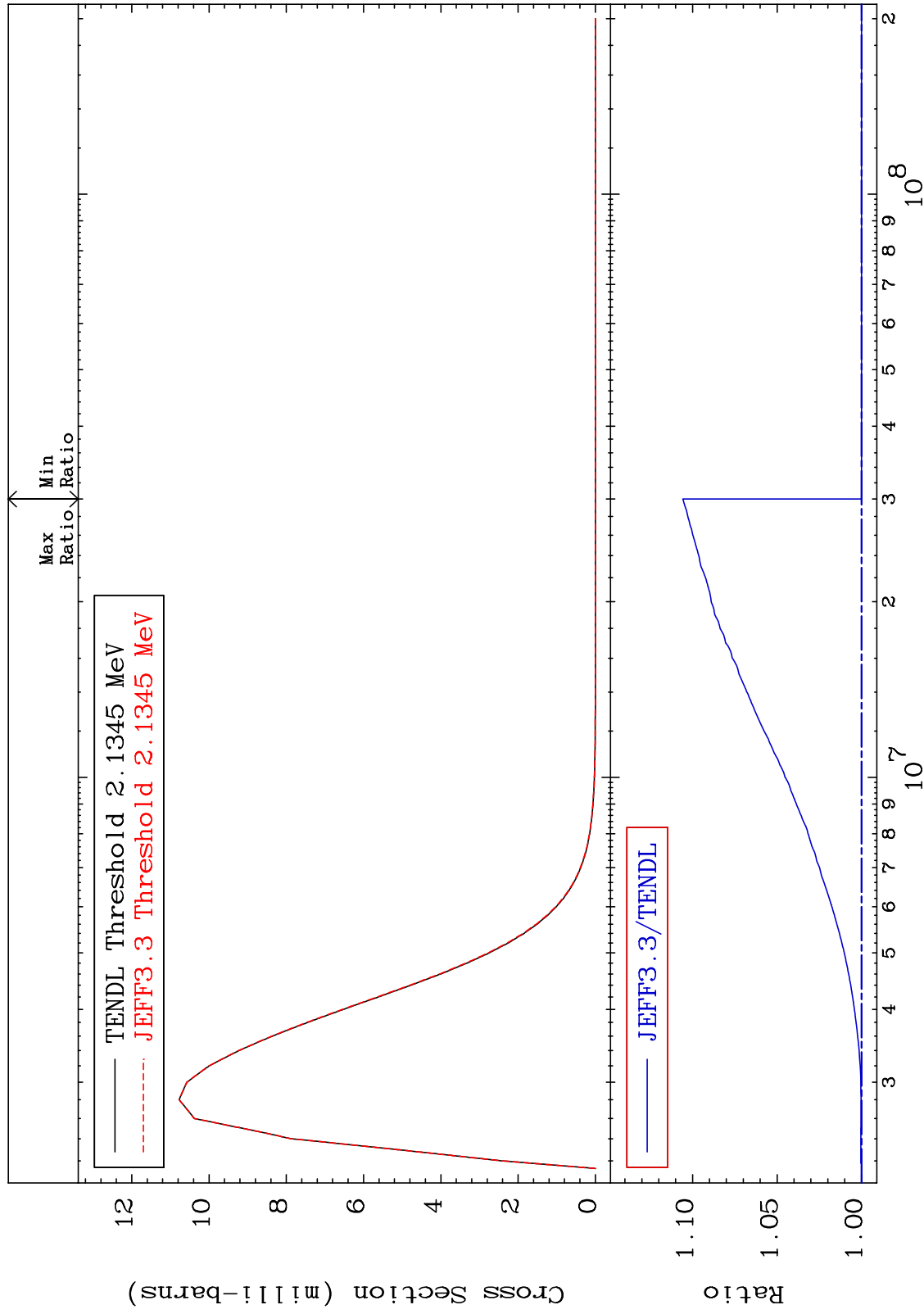
38-Sr-87
0.000 To 0.560 %



MAT 3834

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

38-Sr-87
0.000 To 10.58 %



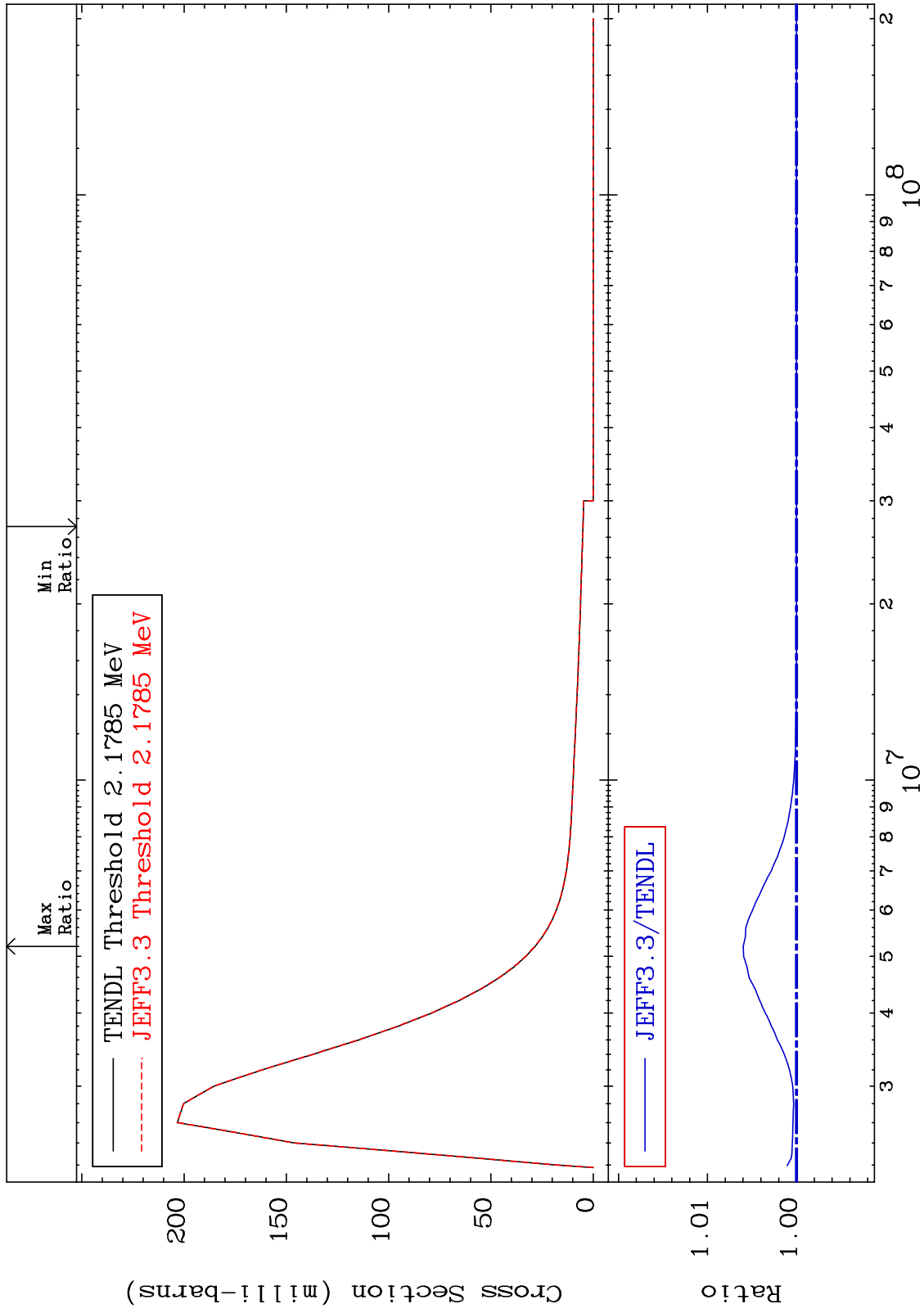
38-Sr-87

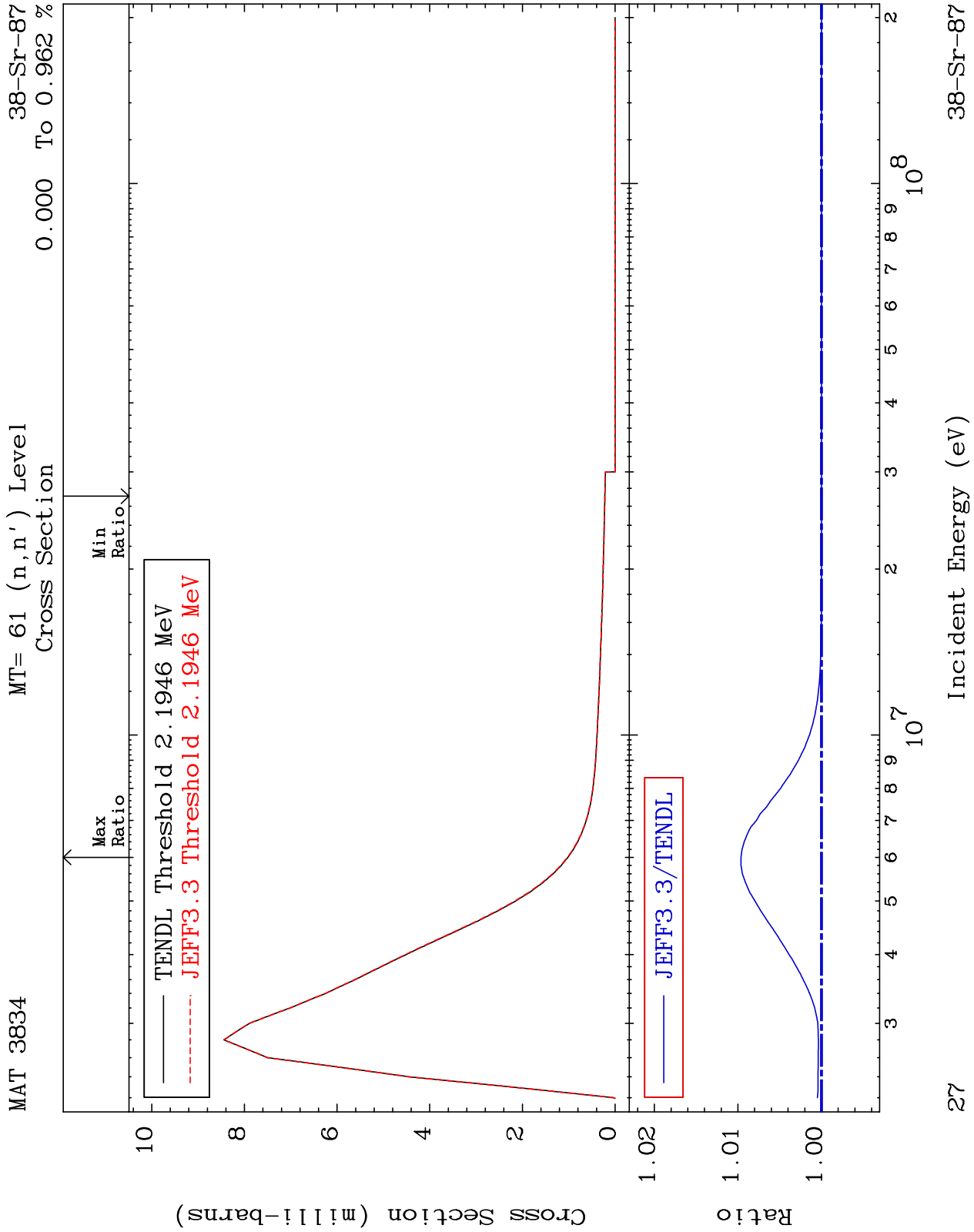
Incident Energy (eV)

MAT 3834

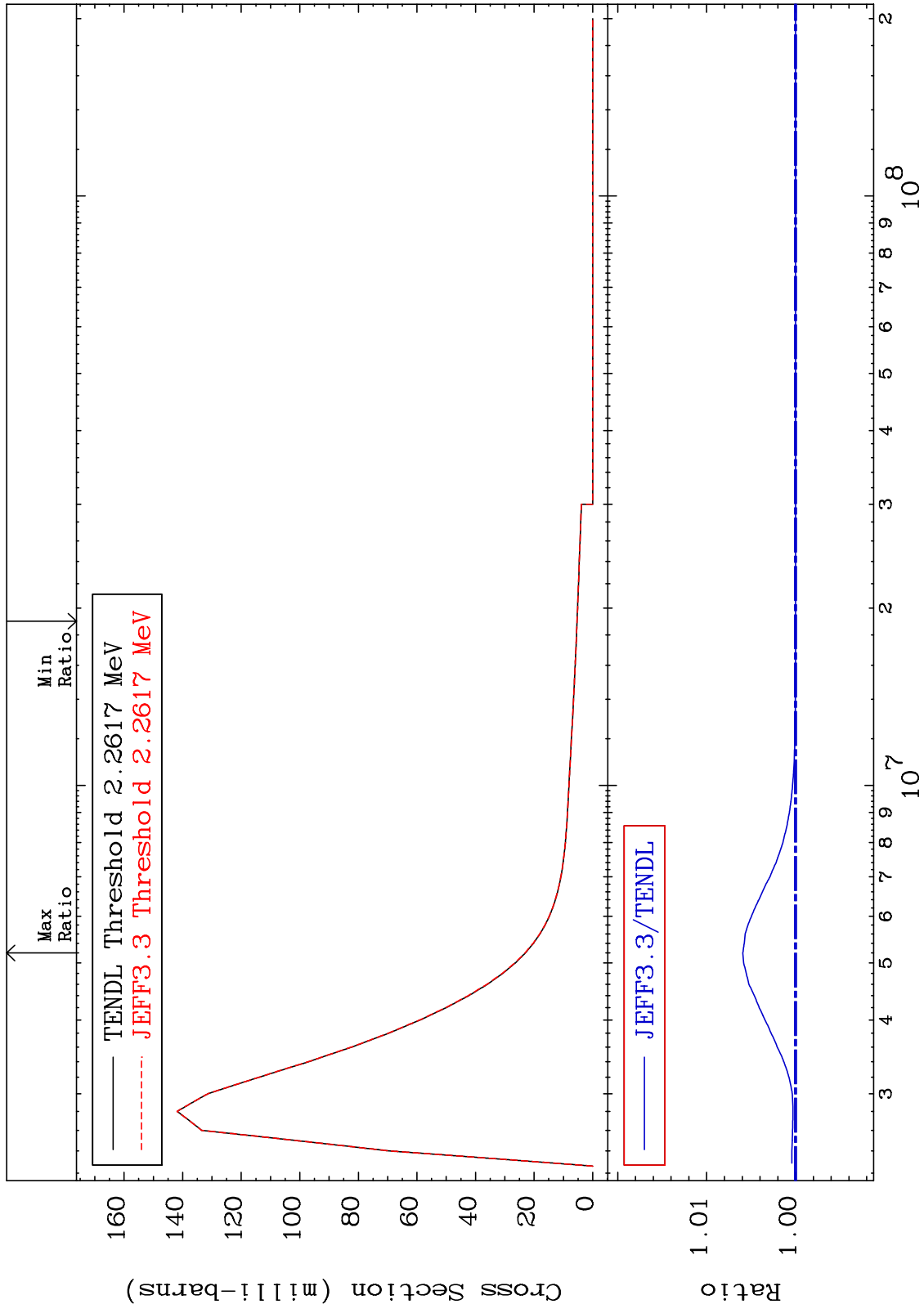
MT= 60 (n, n') Level
Cross Section

38-Sr-87
0.000 To 0.598 %





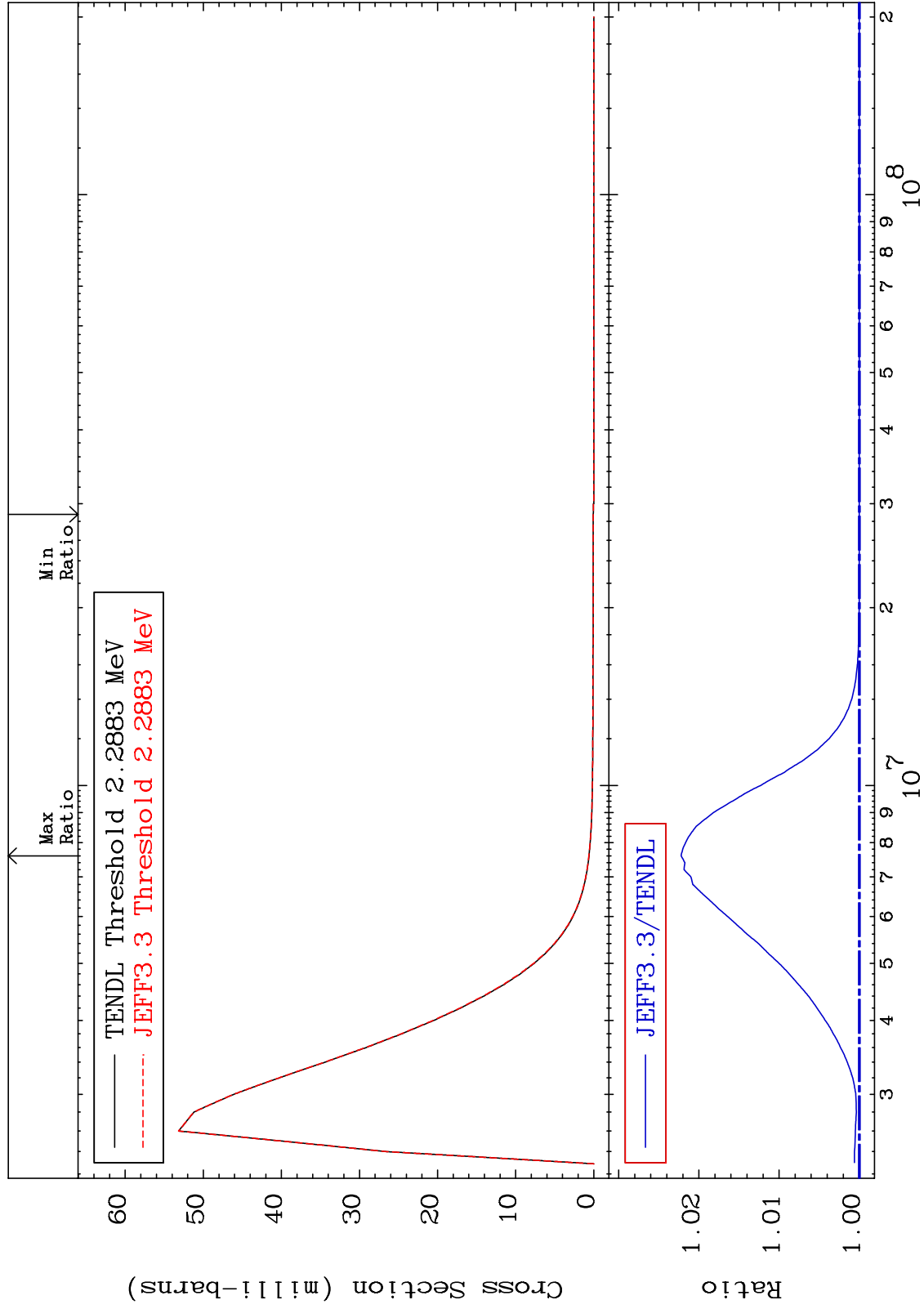
MAT 3834 MT= 62 (n,n') Level Cross Section 38-Sr-87
 0.000 To 0.593 %



MAT 3834

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

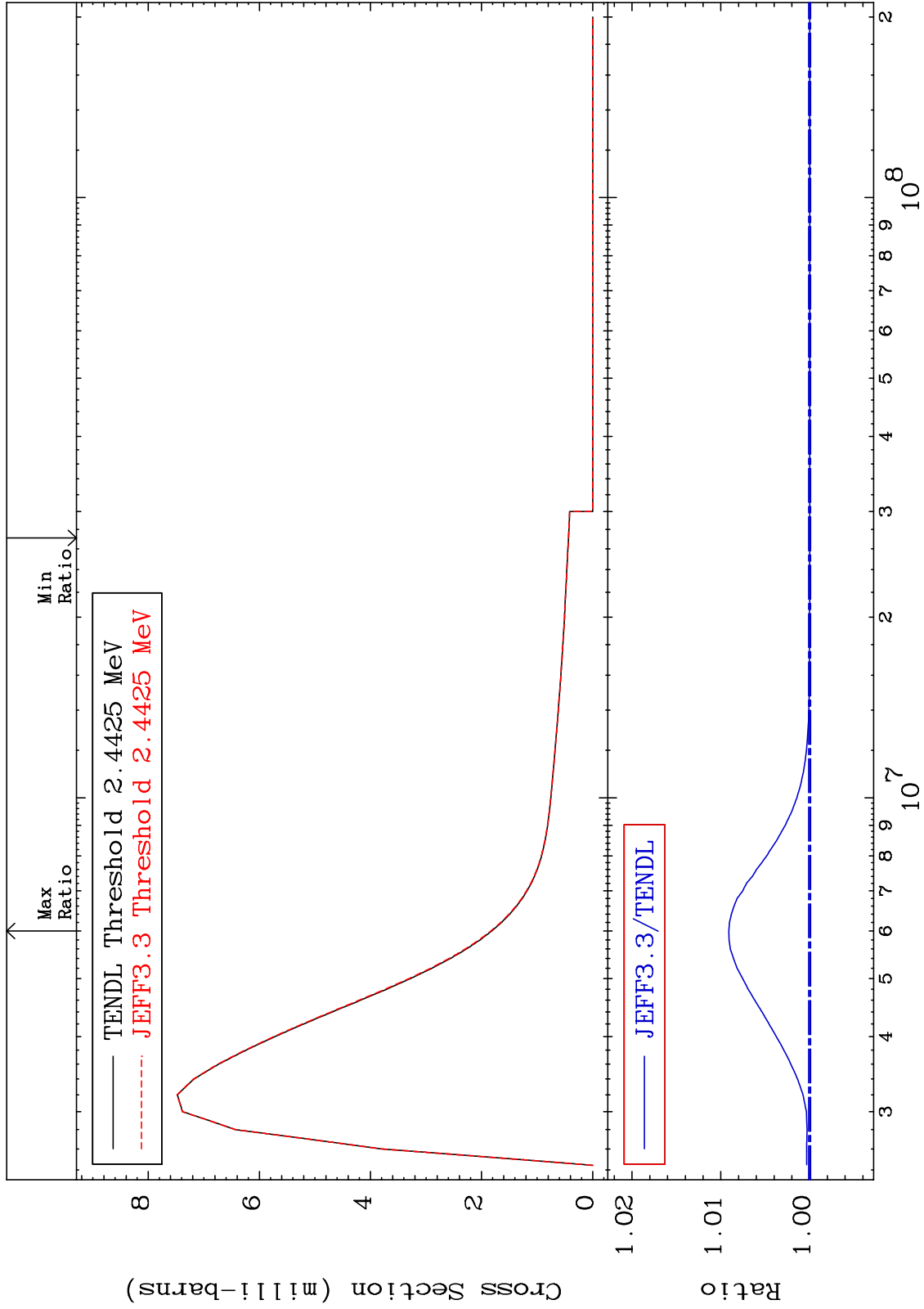
38-Sr-87
0.000 To 2.222 %



MAT 3834

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

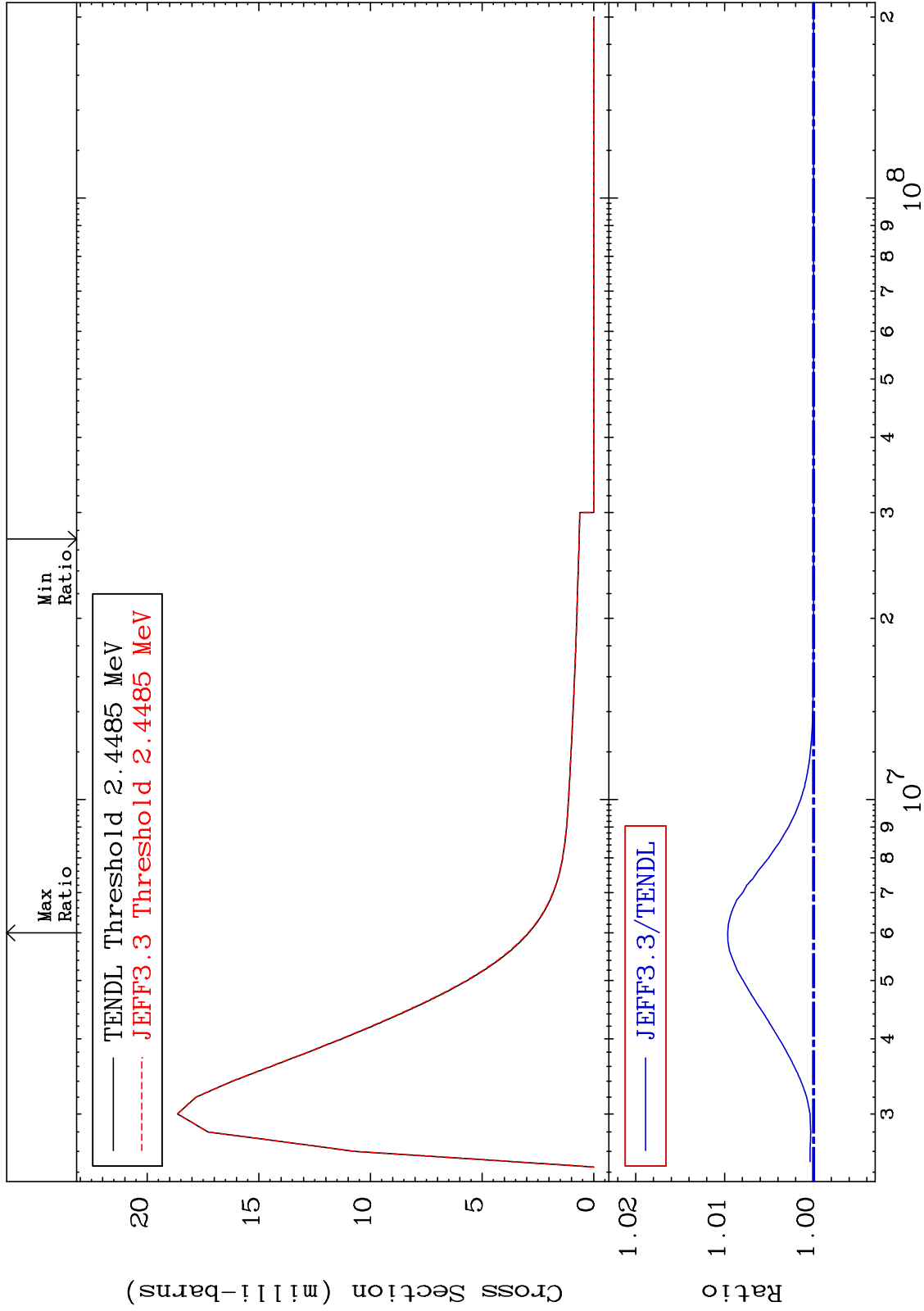
0.000 To 0.910 %
38-Sr-87



MAT 3834

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

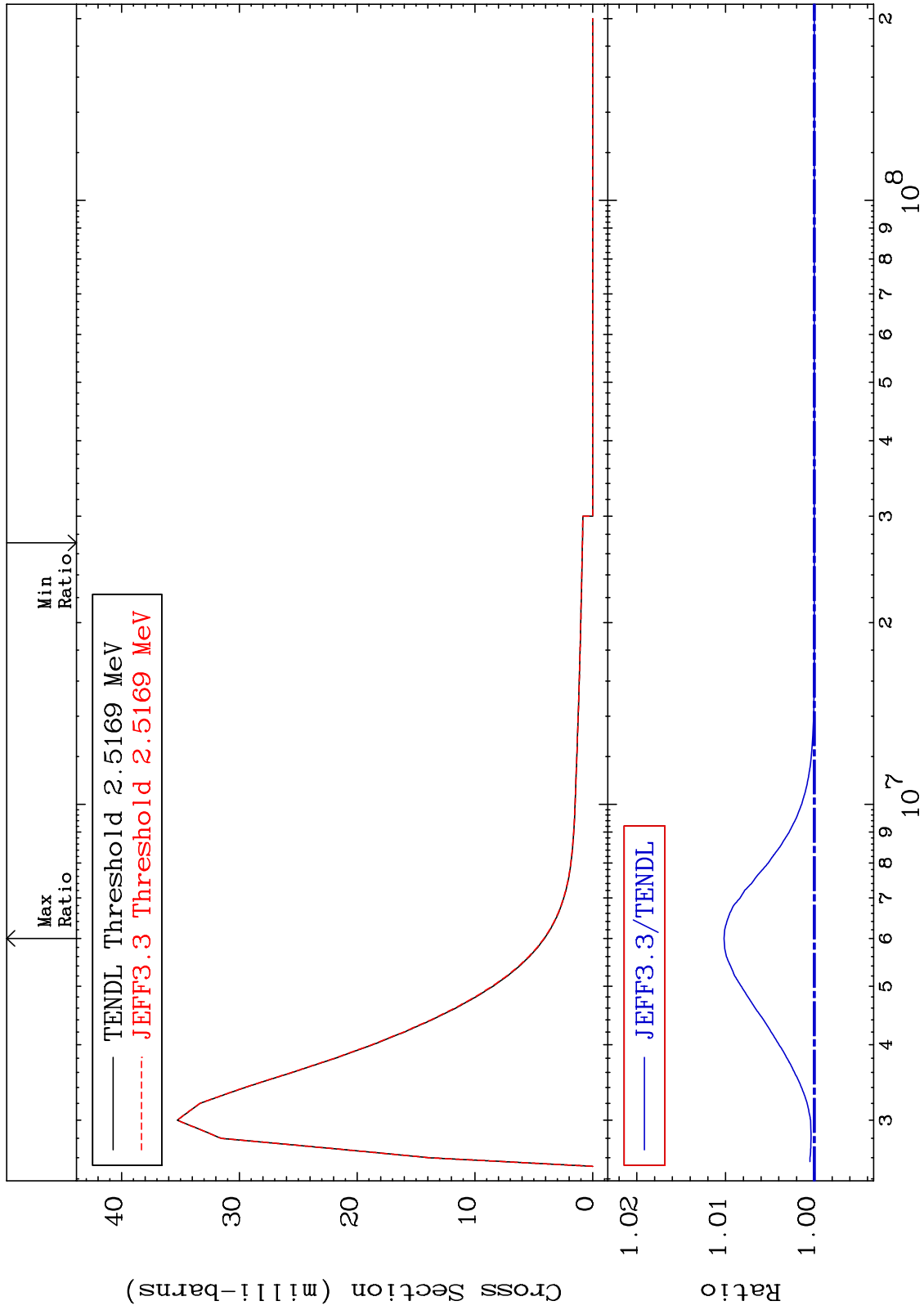
38-Sr-87
0.000 To 0.966 %



MAT 3834

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

38-Sr-87
0.000 To 1.017 %



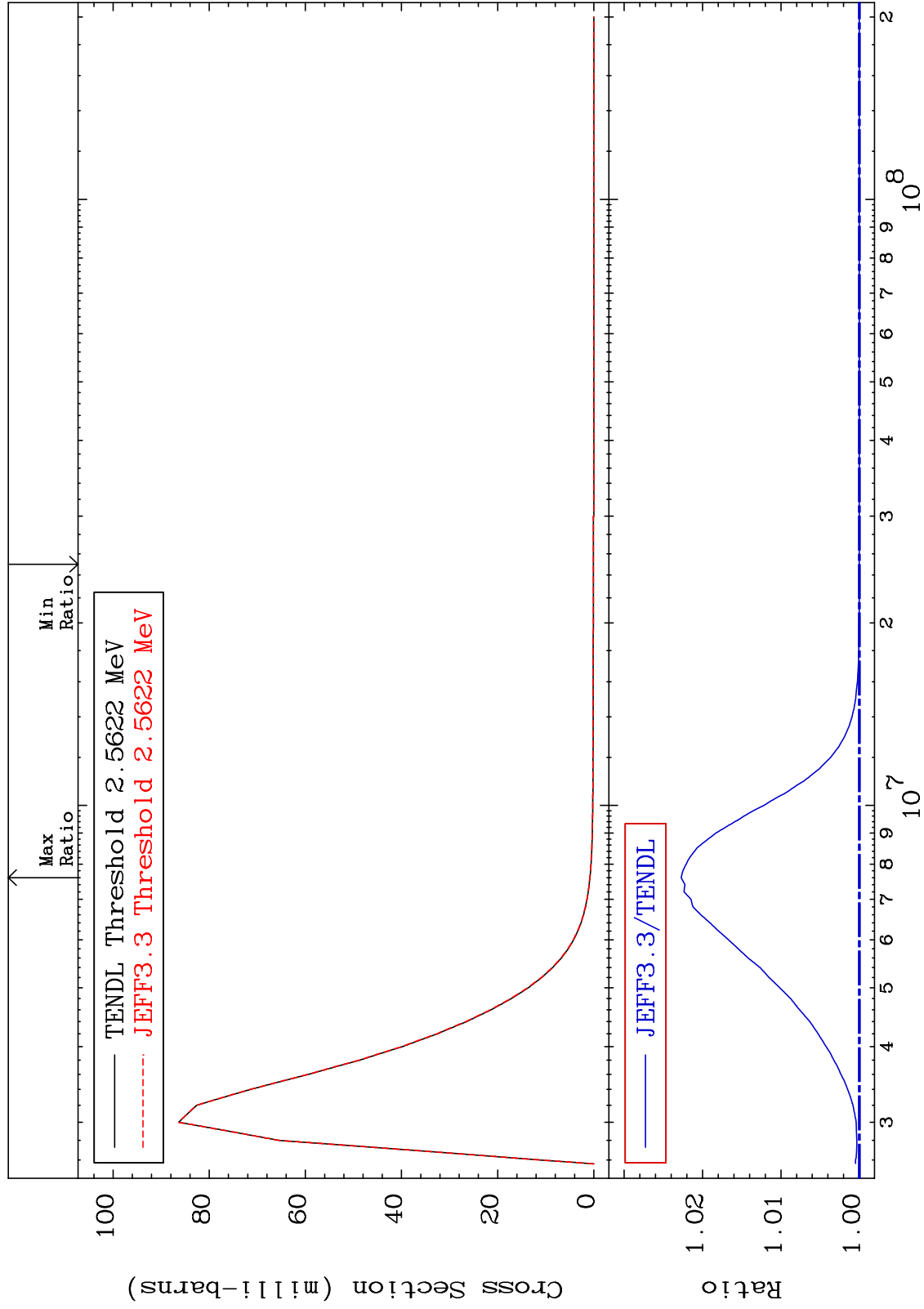
32

38-Sr-87

MAT 3834

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

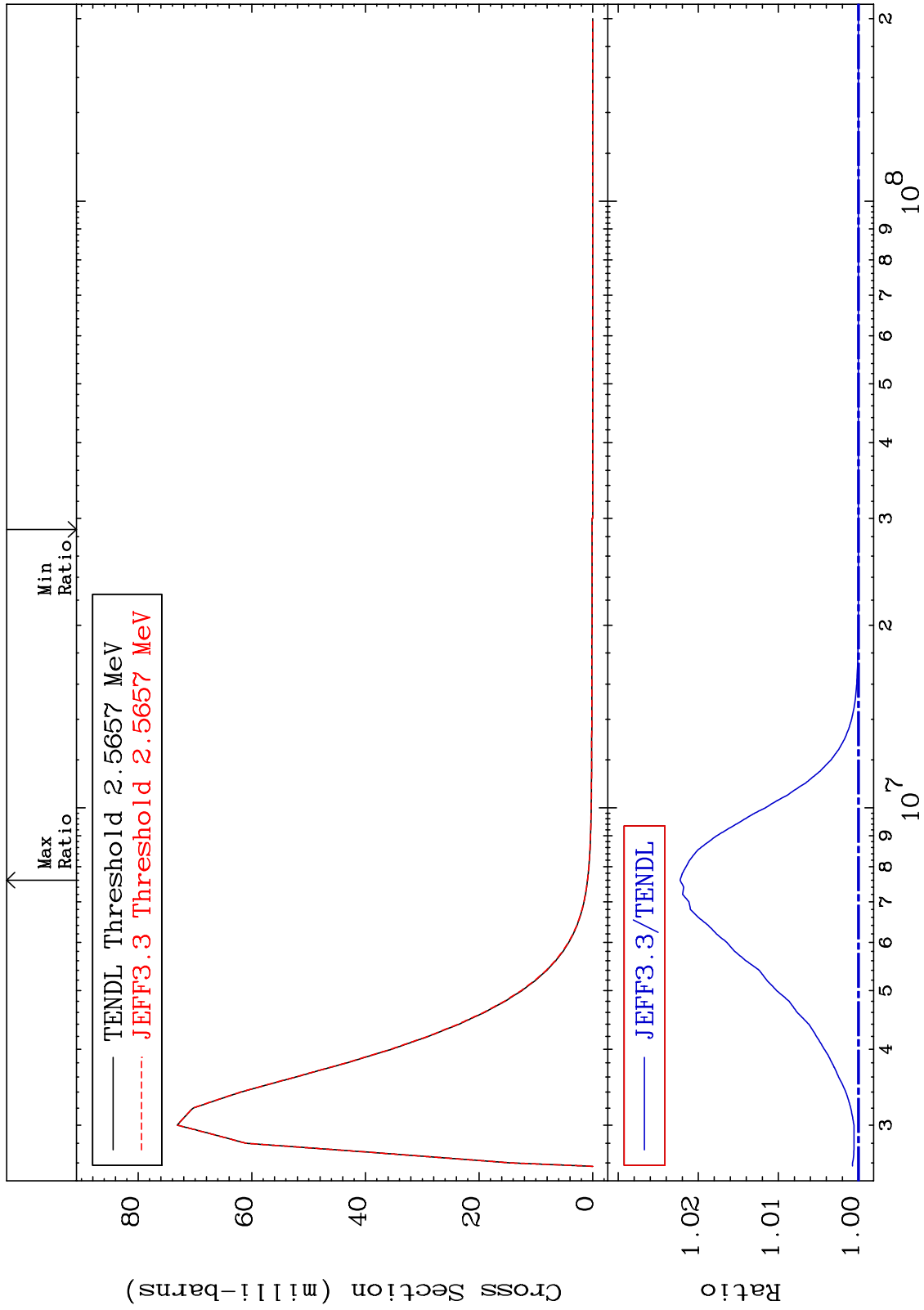
38-Sr-87
0.000 To 2.275 %



MAT 3834

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

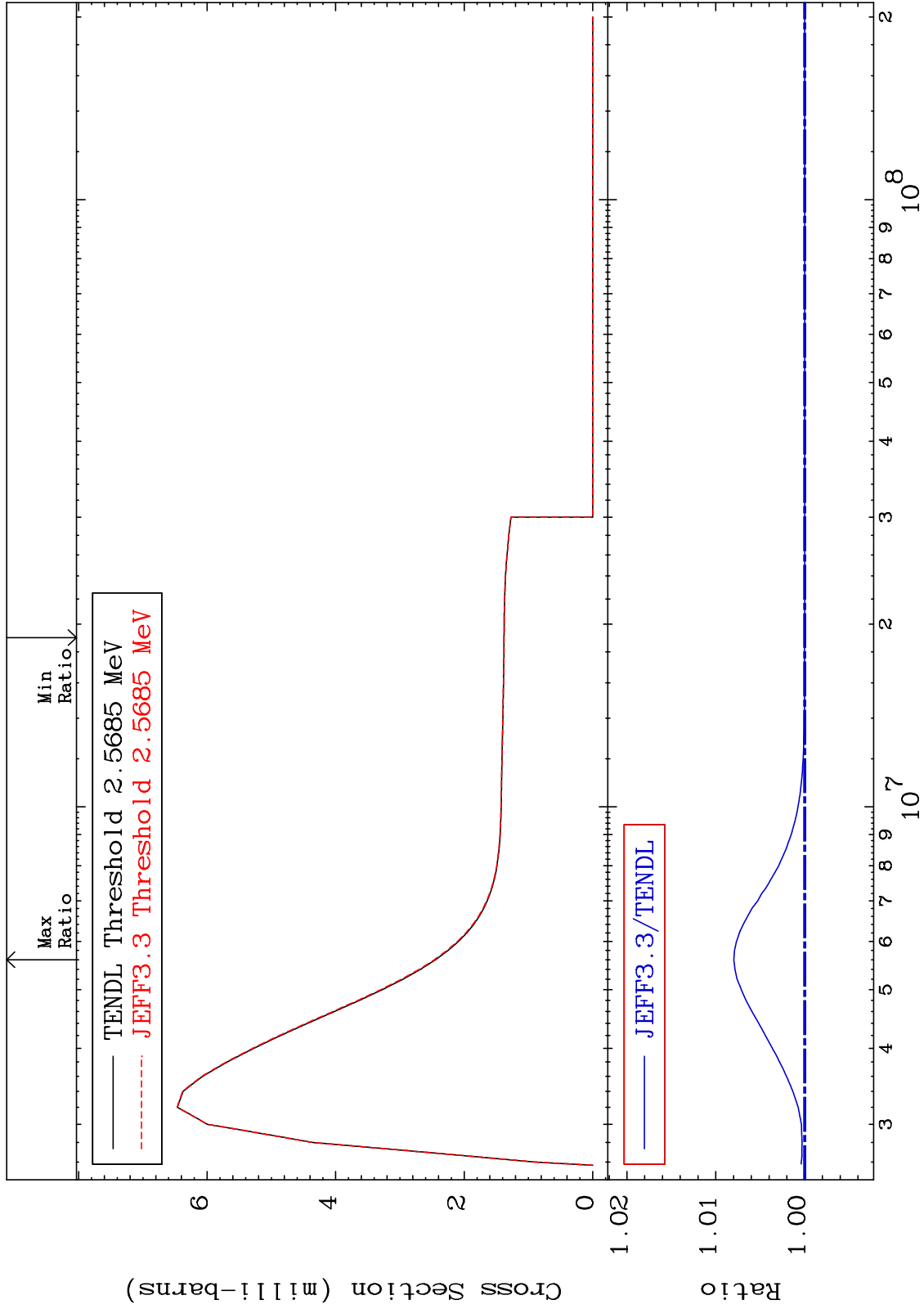
38-Sr-87
0.000 To 2.228 %



MAT 3834

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

38-Sr-87
0.000 To 0.797 %



35

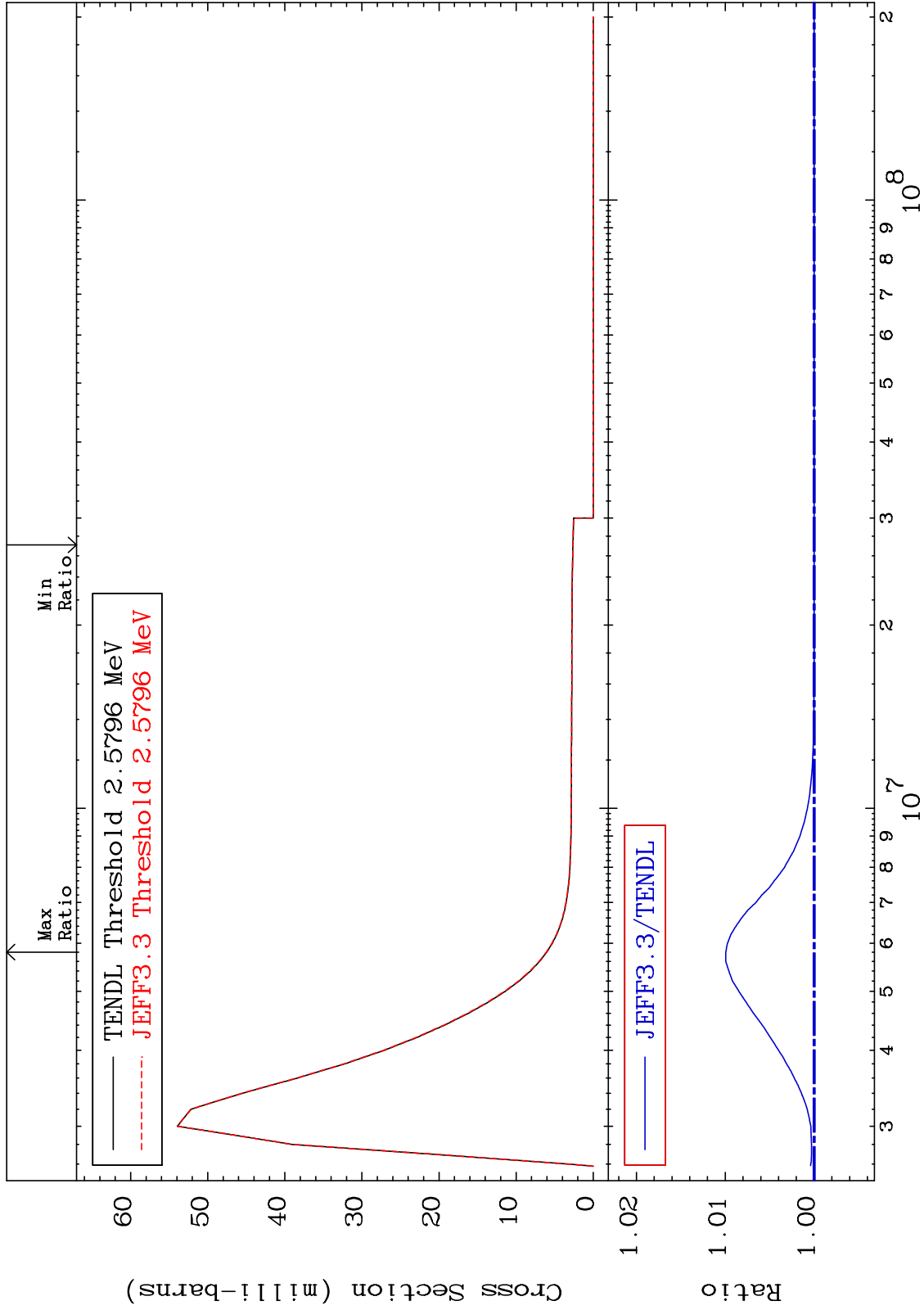
Incident Energy (eV)

38-Sr-87

MAT 3834

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

38-Sr-87
0.000 To 0.995 %



36

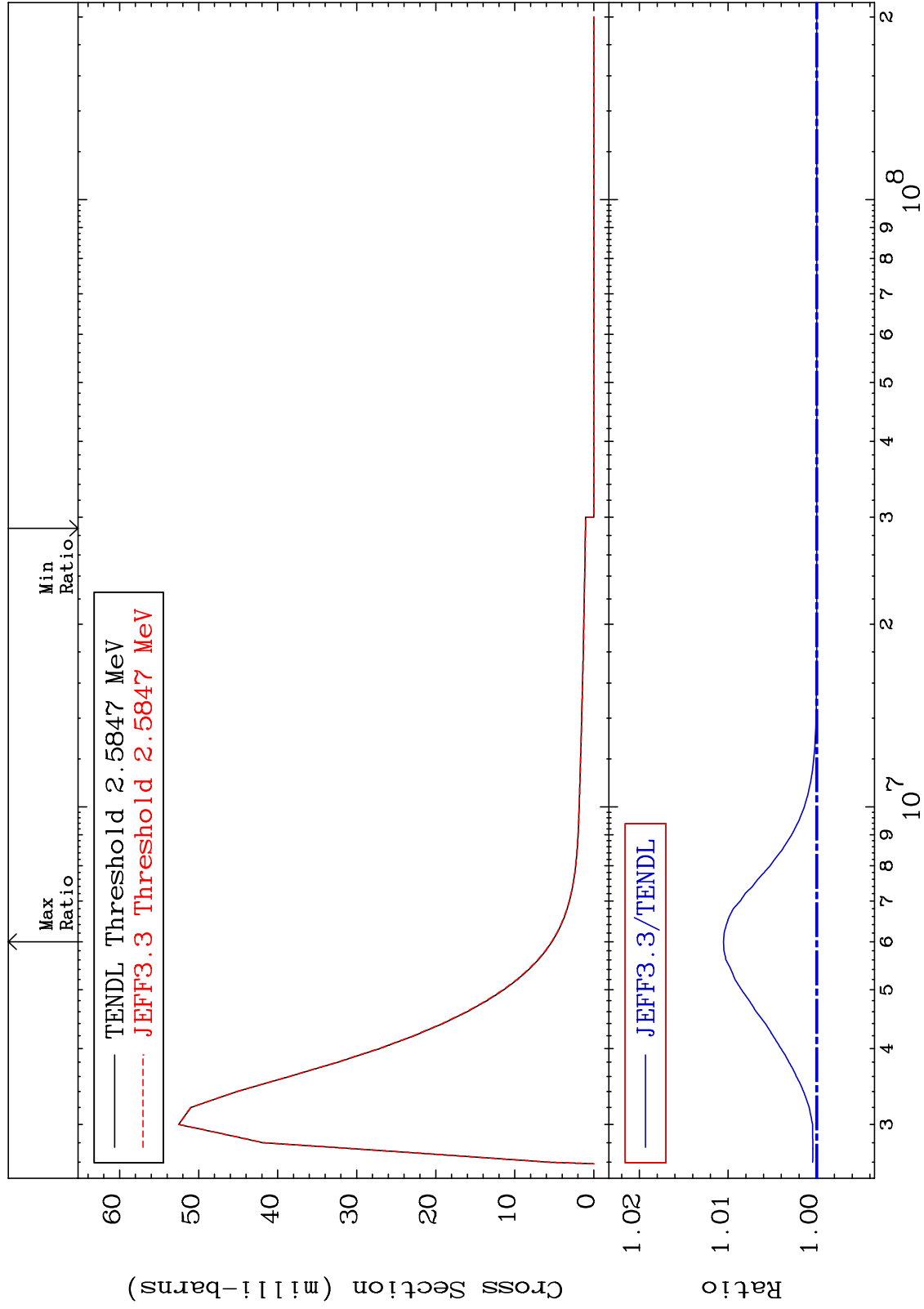
Incident Energy (eV)

38-Sr-87

MAT 3834

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

38-Sr-87
0.000 To 1.051 %



37

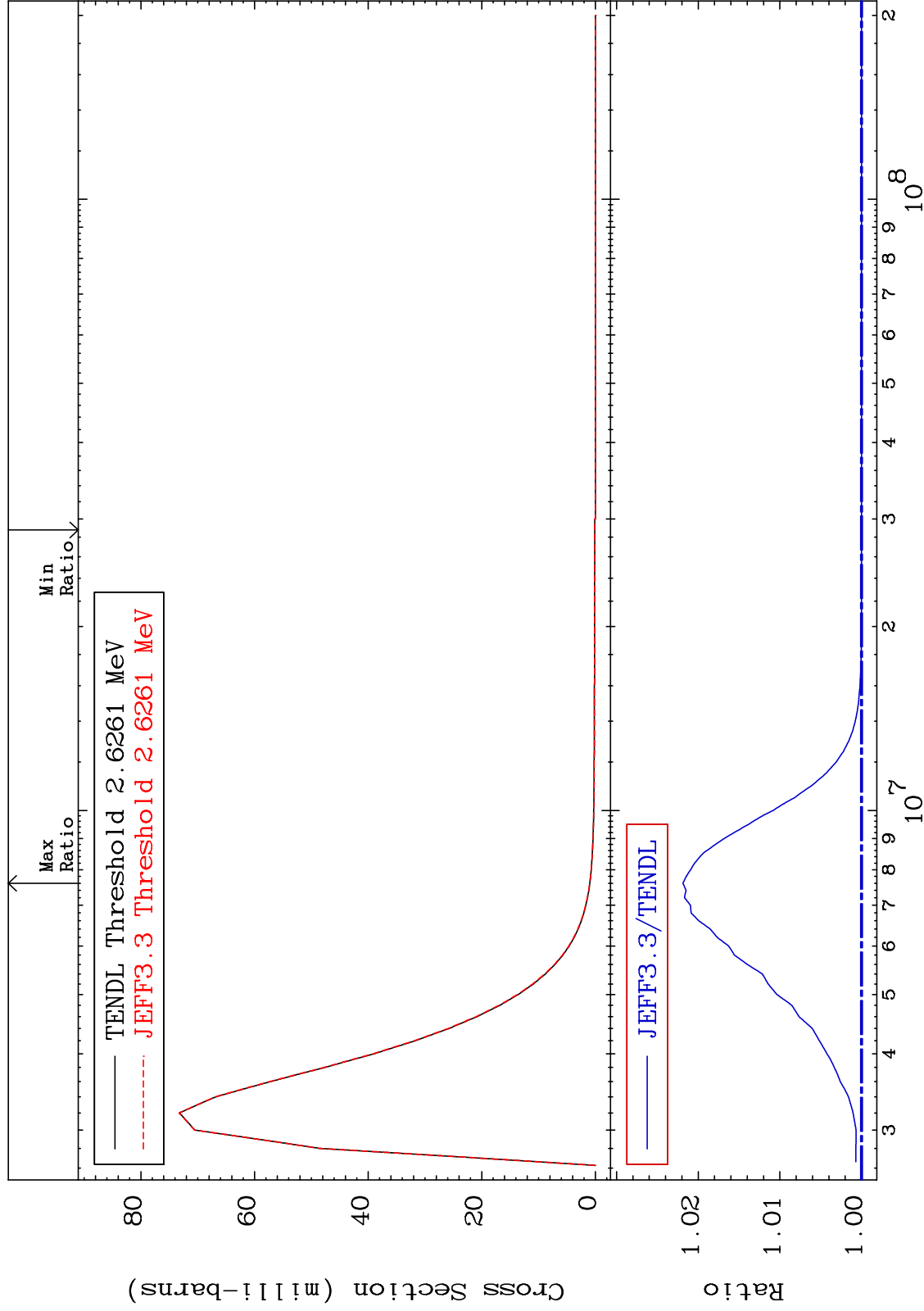
Incident Energy (eV)

38-Sr-87

MAT 3834

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

38-Sr-87
0.000 To 2.188 %



38

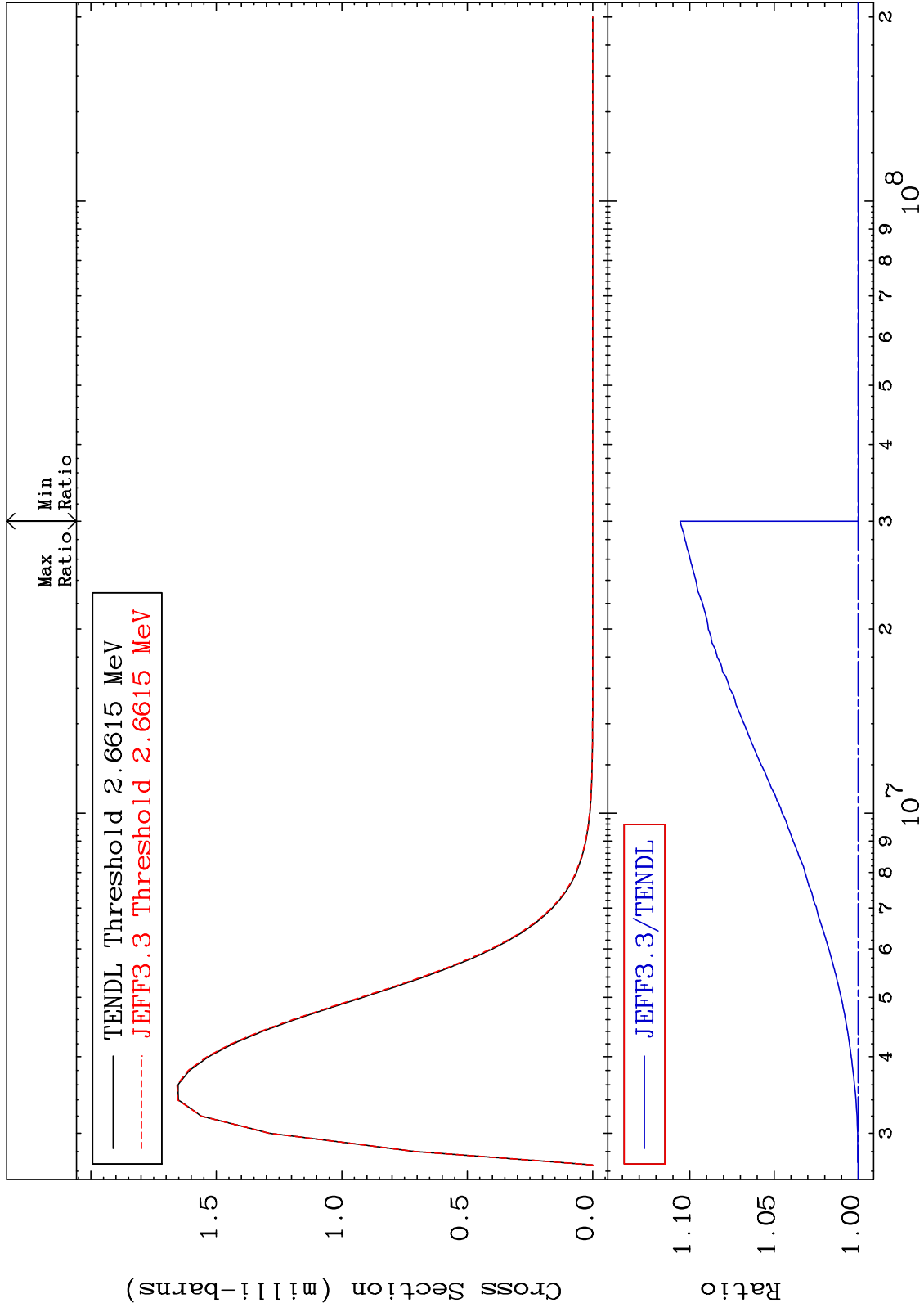
Incident Energy (eV)

38-Sr-87

MAT 3834

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

38-Sr-87
0.000 To 10.58 %



39

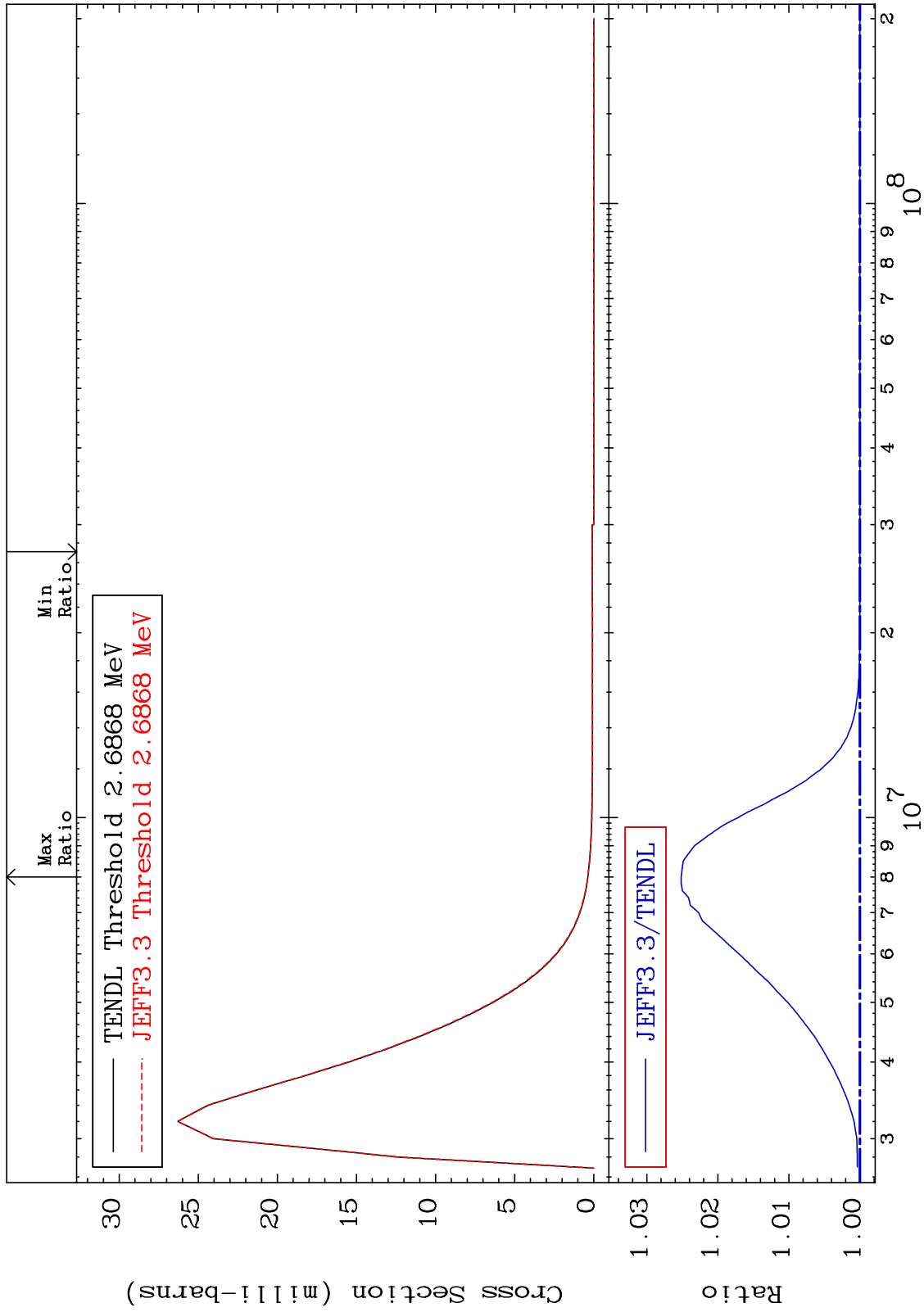
Incident Energy (eV)

38-Sr-87

MAT 3834

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

38-Sr-87
0.000 To 2.515 %



40

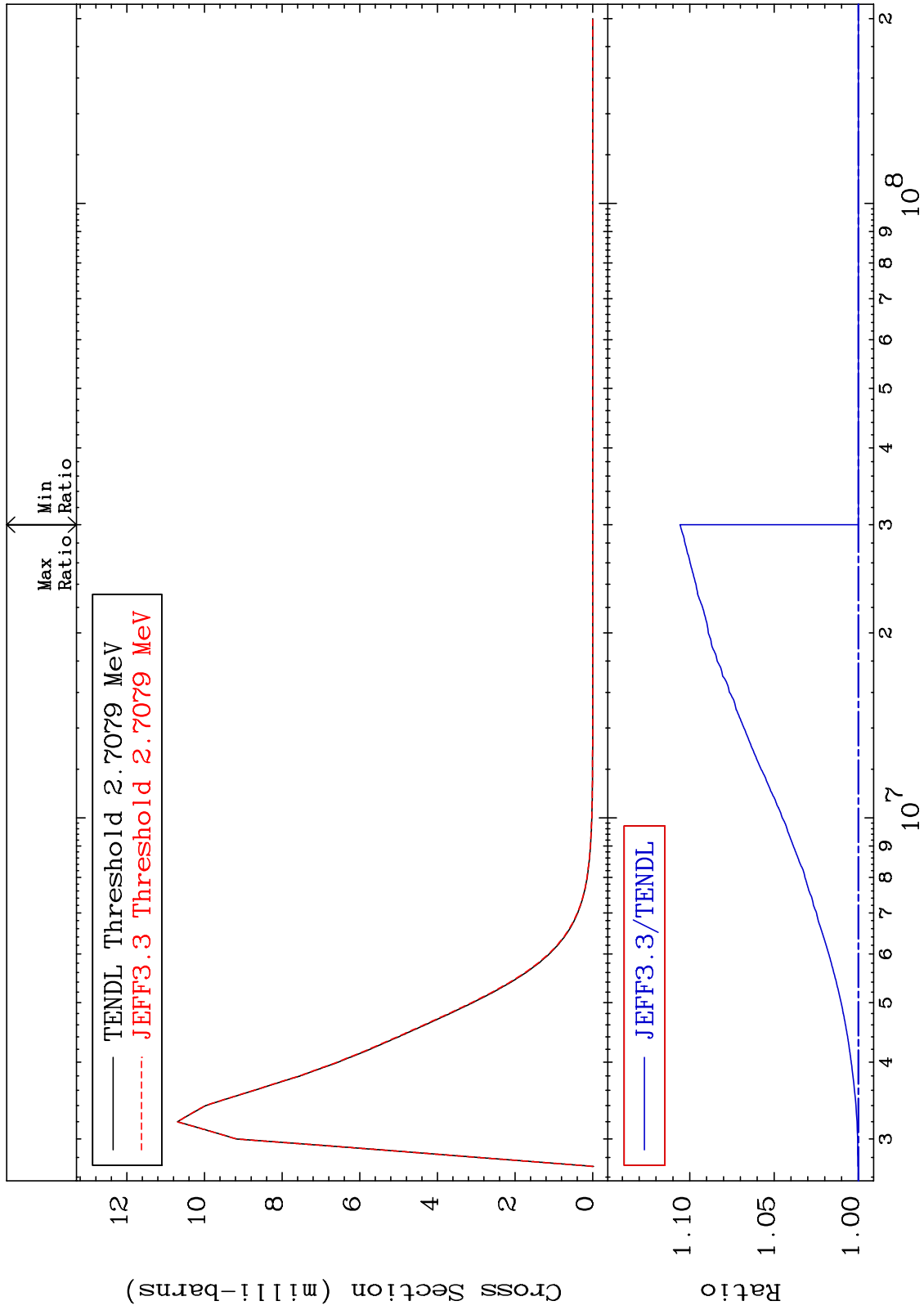
Incident Energy (eV)

38-Sr-87

MAT 3834

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

38-Sr-87
0.000 To 10.58 %



41

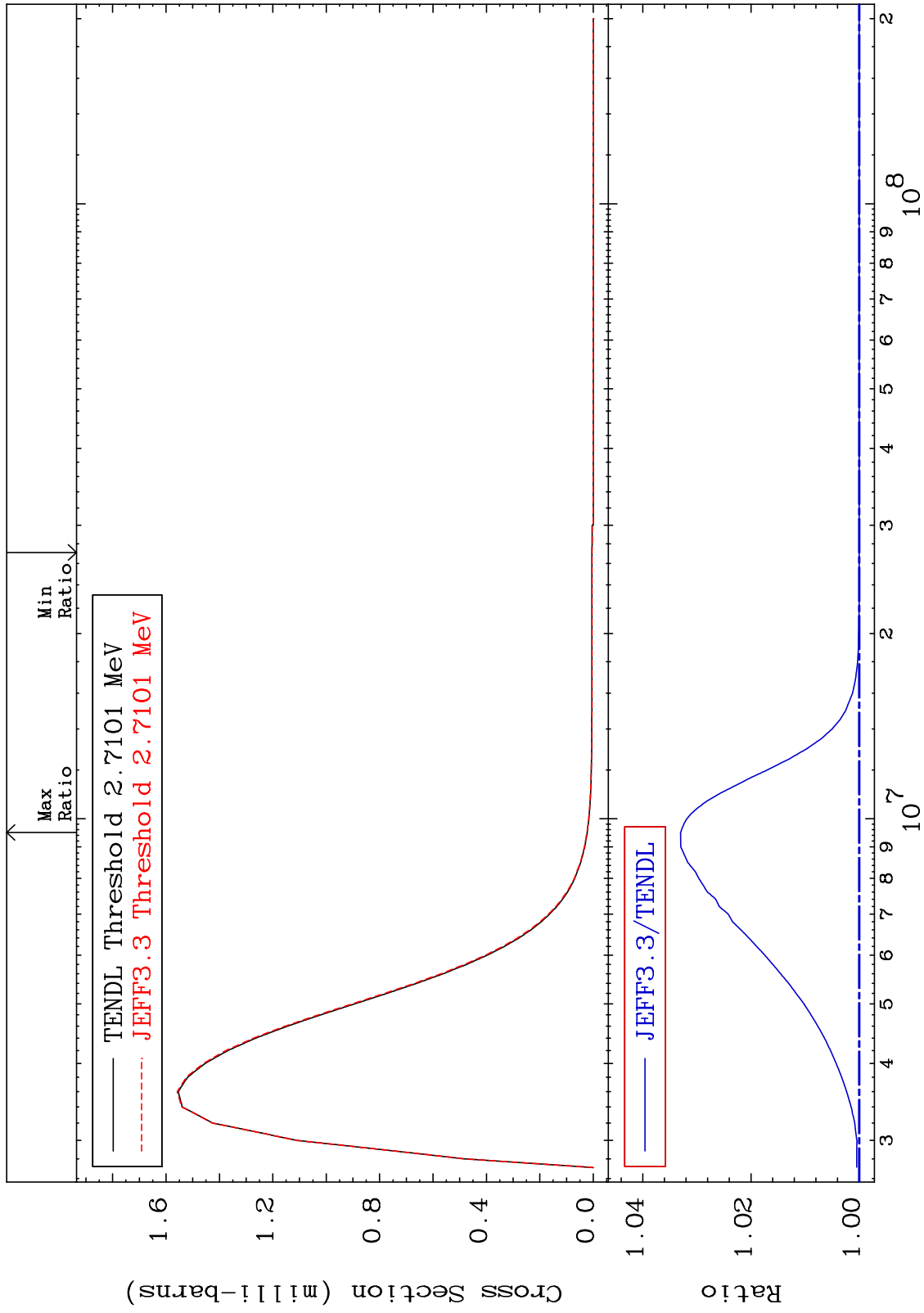
Incident Energy (eV)

38-Sr-87

MAT 3834

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

38-Sr-87
0.000 To 3.300 %



42

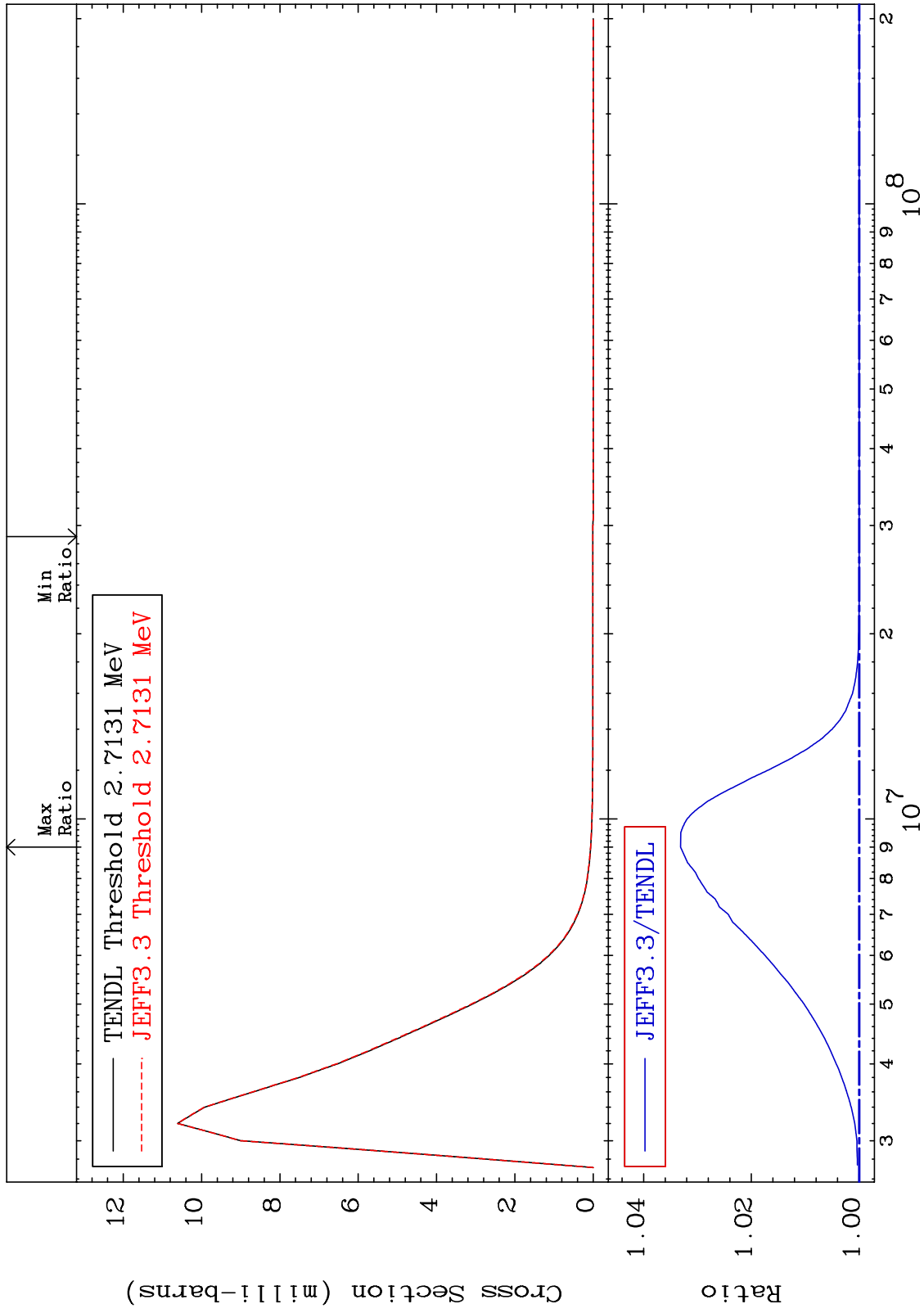
Incident Energy (eV)

38-Sr-87

MAT 3834

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

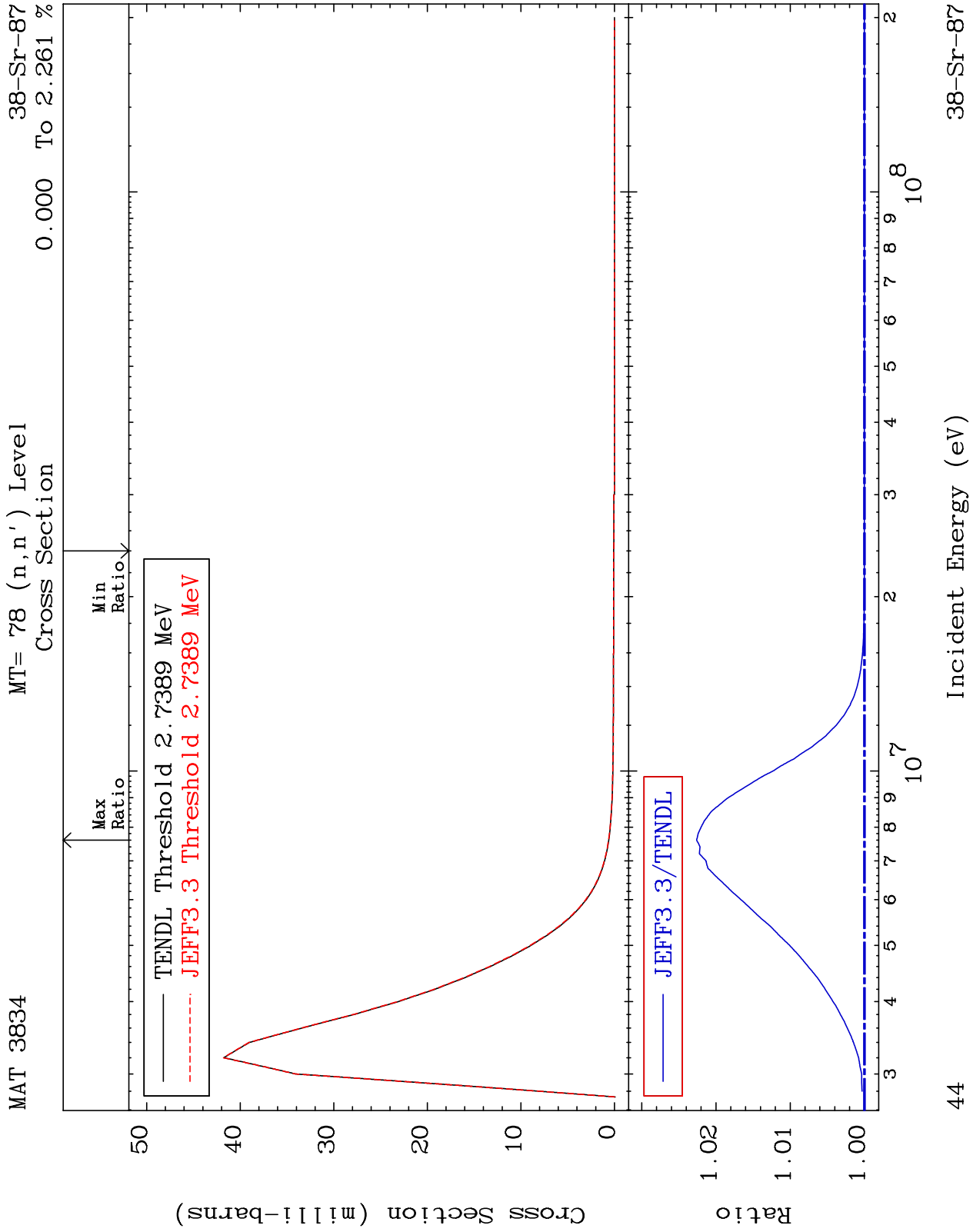
38-Sr-87
0.000 To 3.313 %



43

Incident Energy (eV)

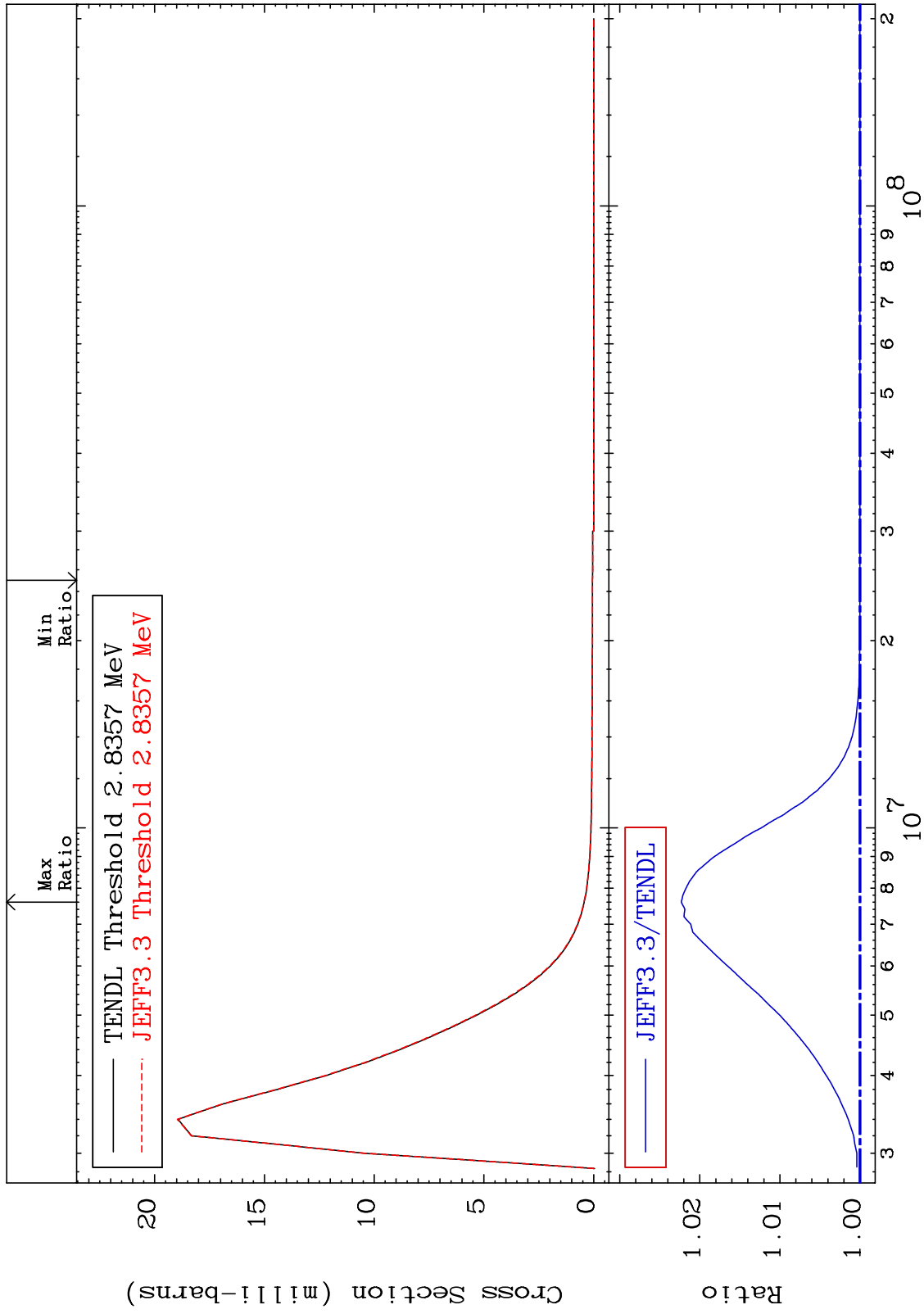
38-Sr-87



MAT 3834

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

38-Sr-87
0.000 To 2.232 %

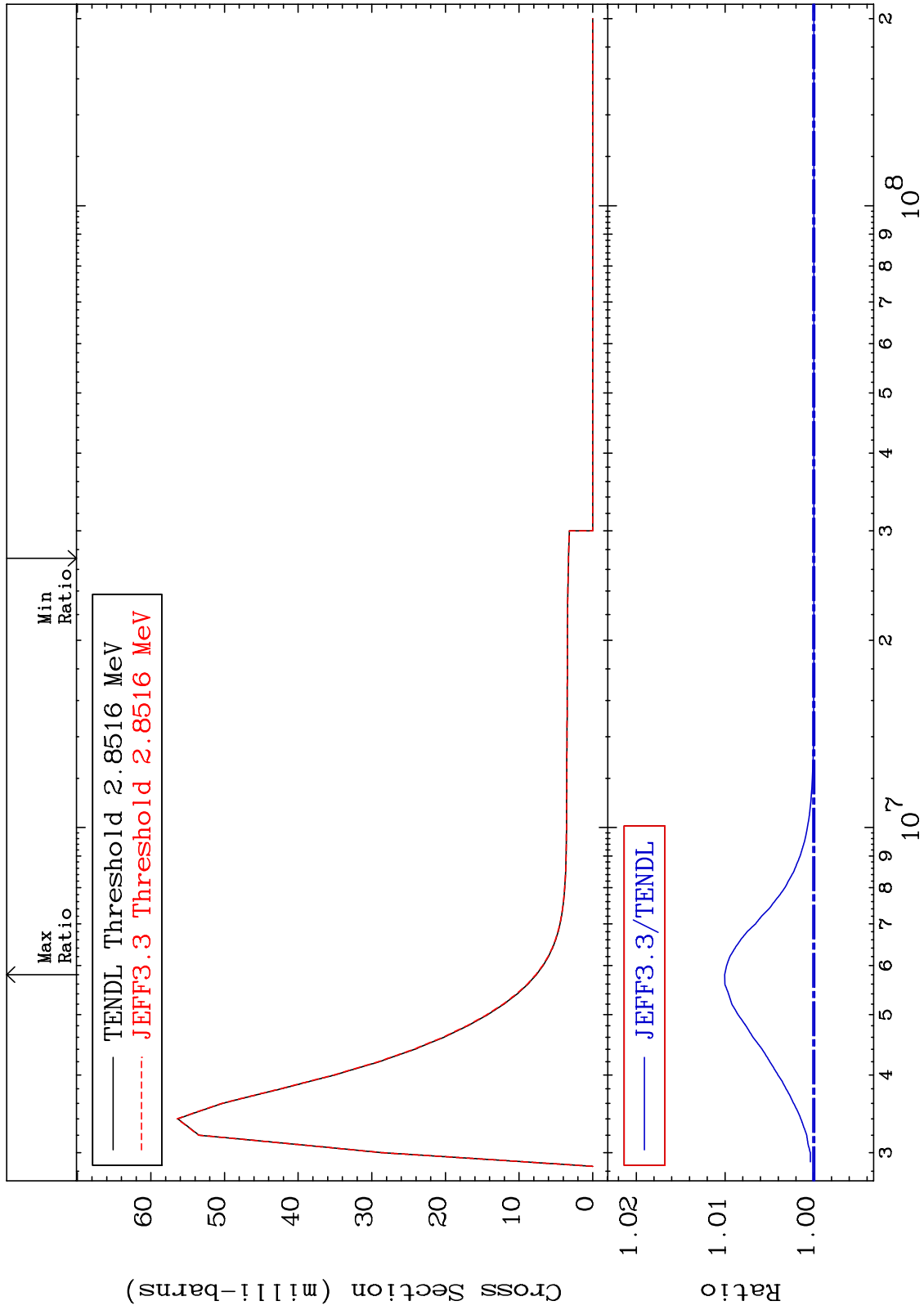


45

Incident Energy (eV)

38-Sr-87

MAT 3834 MT= 80 (n, n') Level Cross Section 38-Sr-87 To 1.004 %



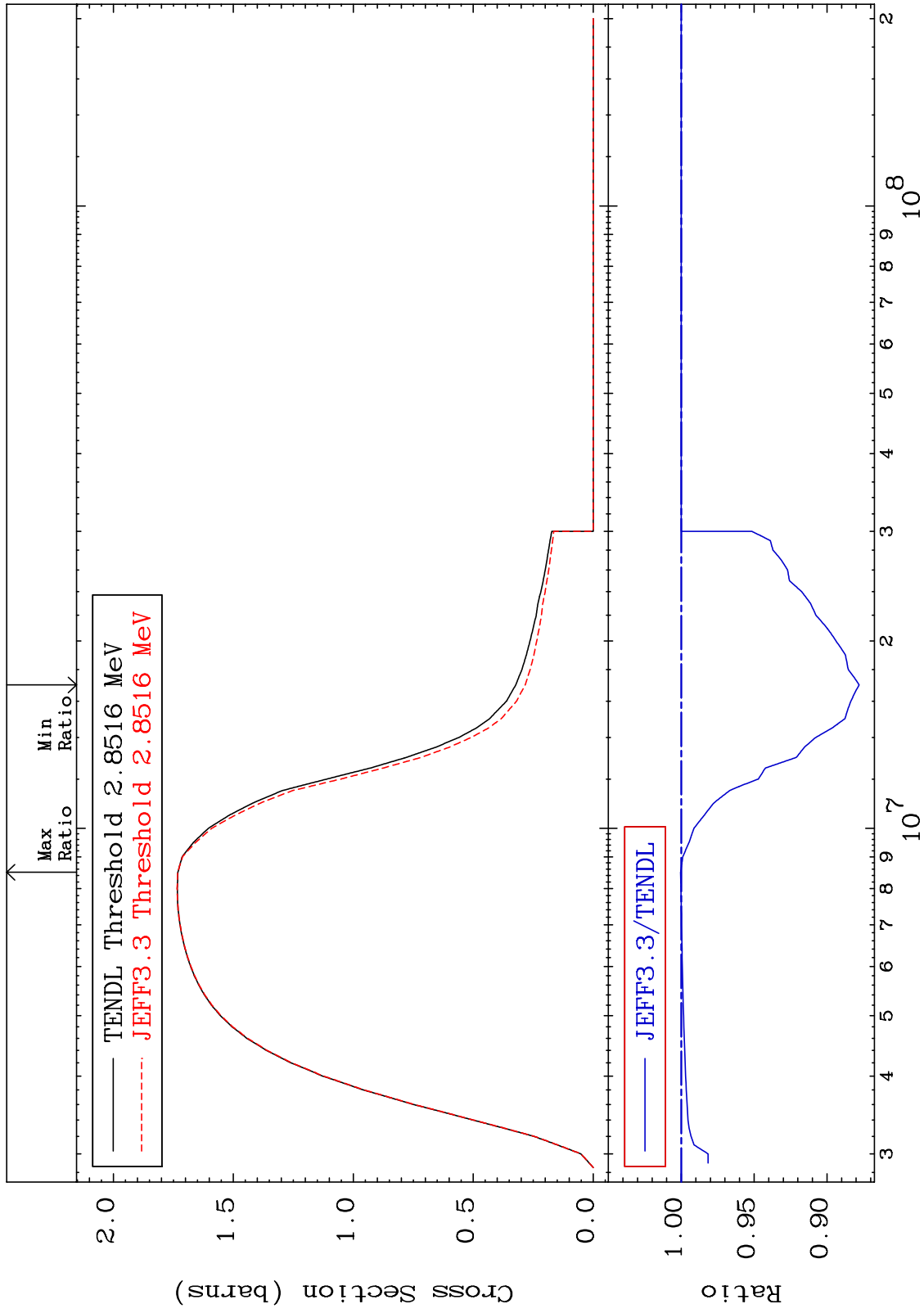
38-Sr-87

Incident Energy (eV)

MAT 3834

(n, n') Continuum
Cross Section

38-Sr-87
-12.21 To 0.043 %



47

Incident Energy (eV)

38-Sr-87

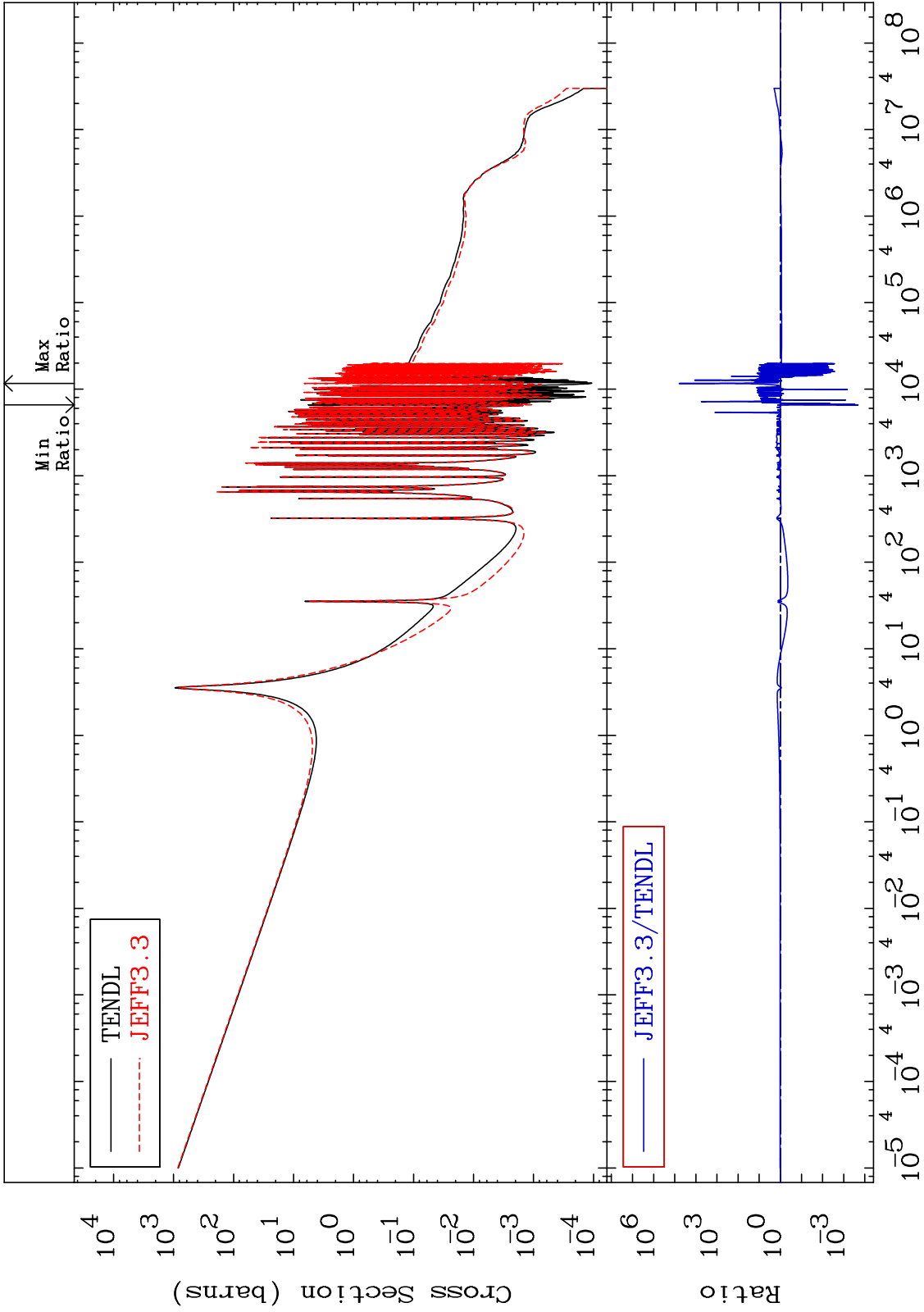
MAT 3834

(n, γ)

38-Sr-87

Cross Section

-99.98 To 9999. %



48

Incident Energy (eV)

38-Sr-87

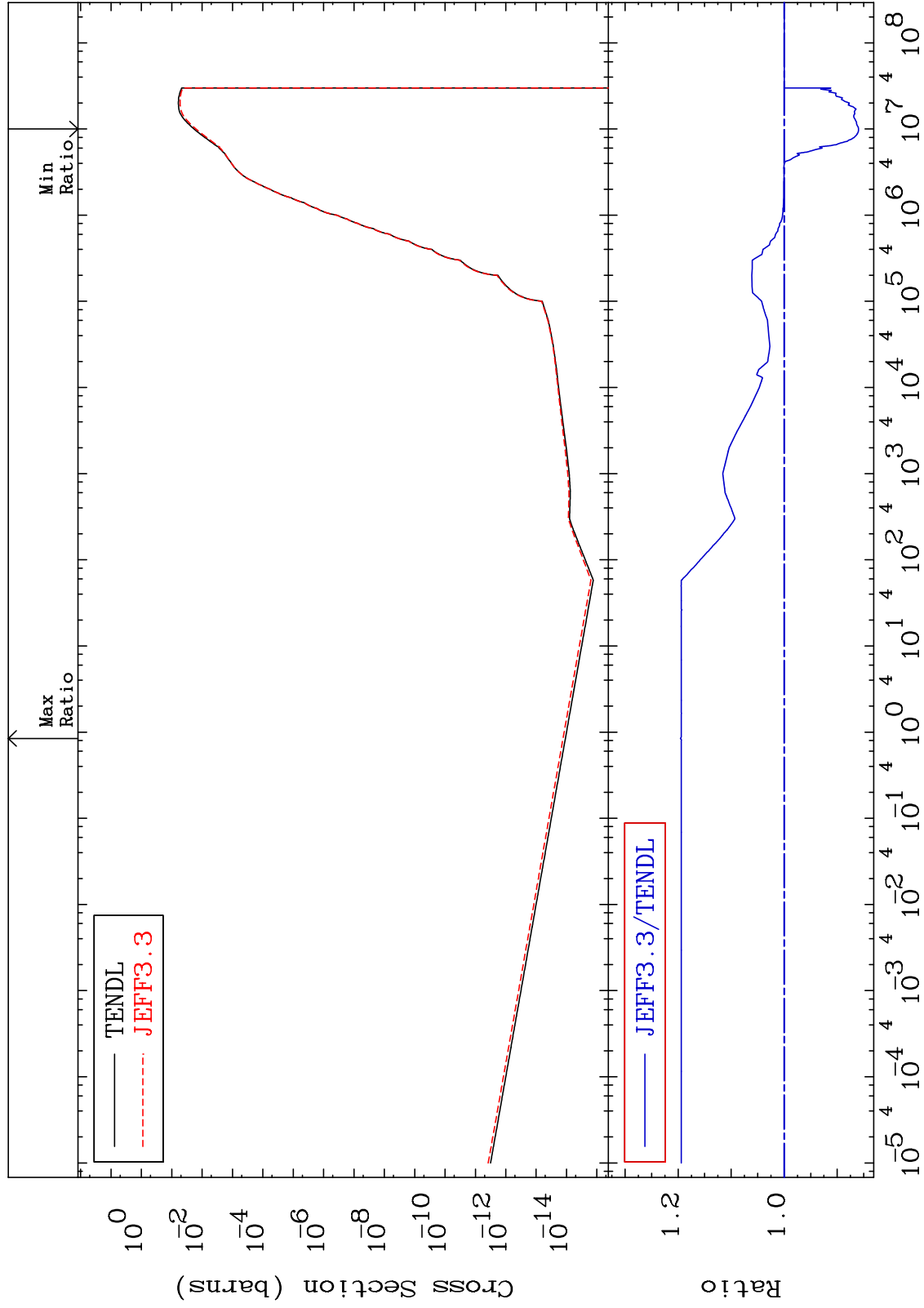
MAT 3834

(n,p)

38-Sr-87

Cross Section

-14.02 To 19.56 %



49

Incident Energy (eV)

38-Sr-87

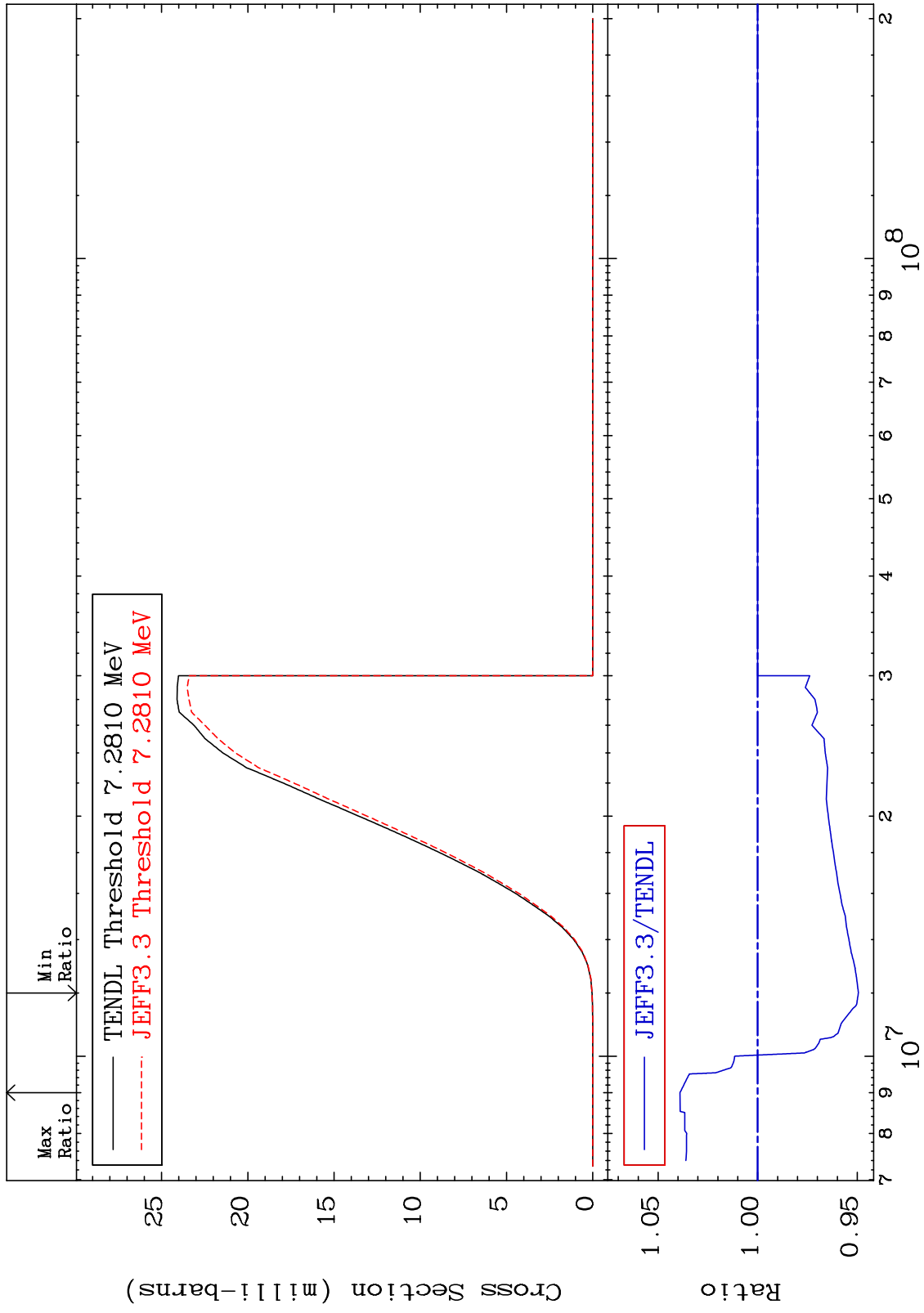
MAT 3834

(n, d)

38-Sr-87

Cross Section

-5.059 To 3.900 %



50

Incident Energy (eV)

38-Sr-87

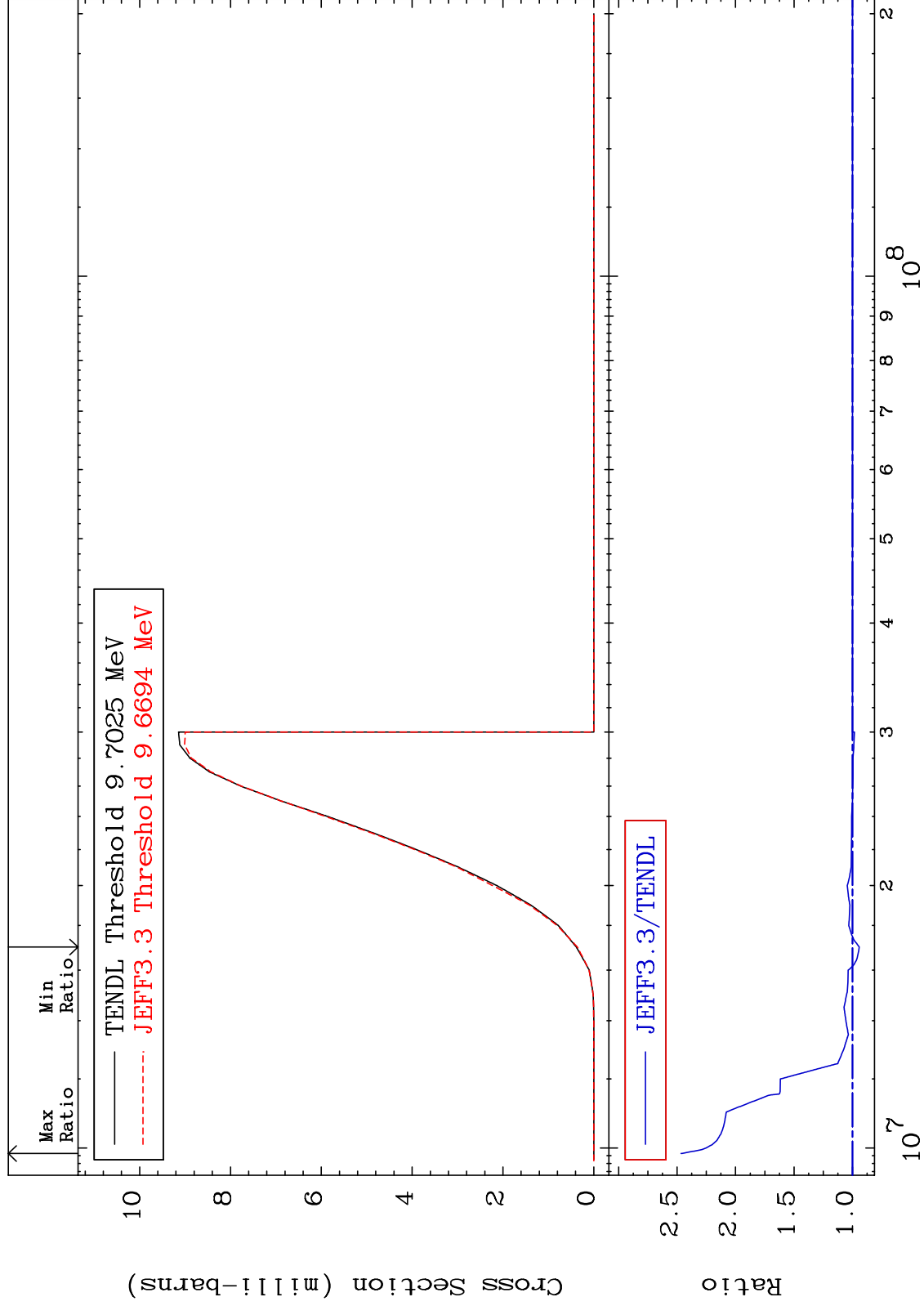
MAT 3834

(n, t)

38-Sr-87

Cross Section

-5.781 To 146.6 %



51

Incident Energy (eV)

38-Sr-87

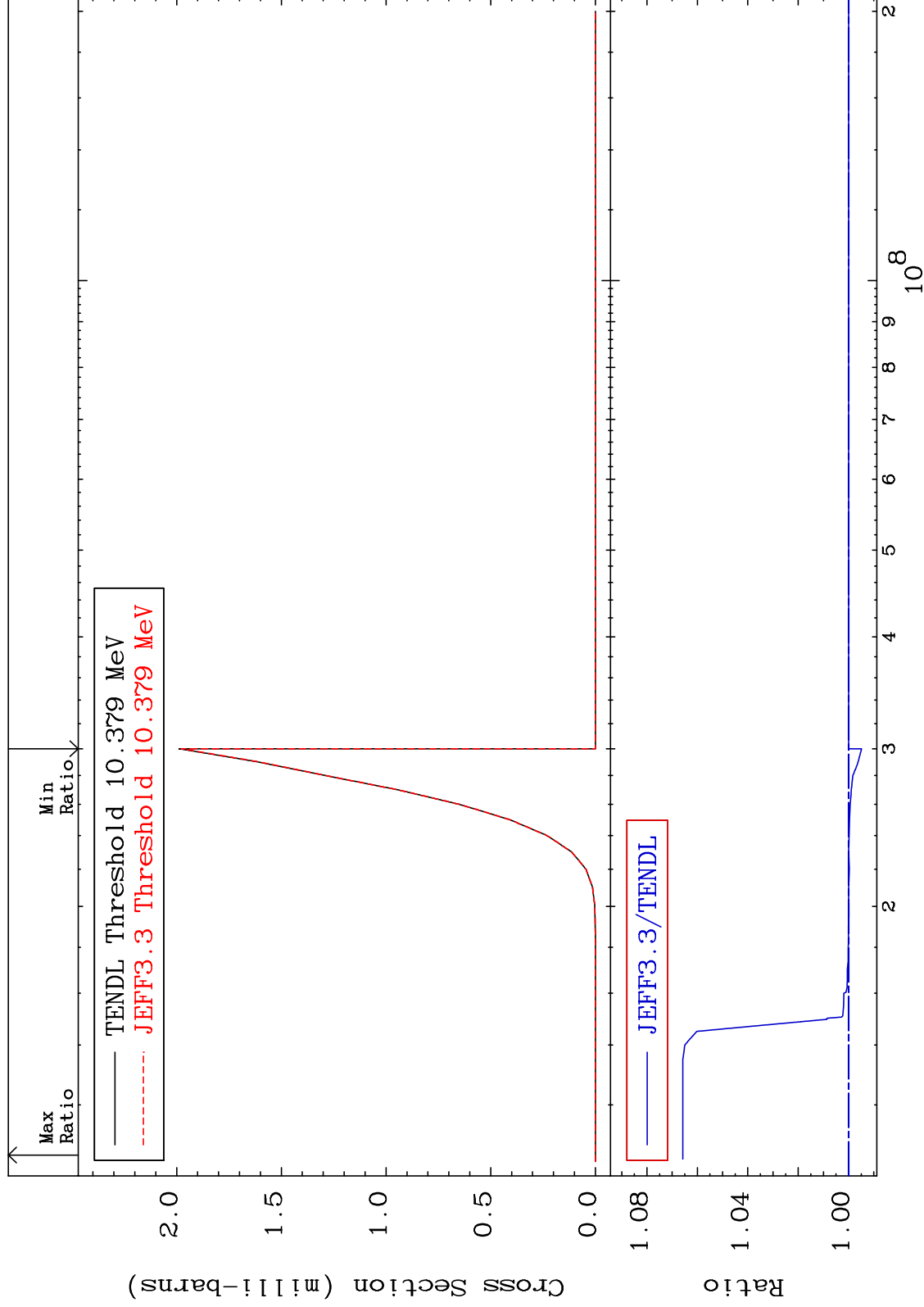
MAT 3834

(n, He-3)

38-Sr-87

Cross Section

-0.513 To 6.575 %



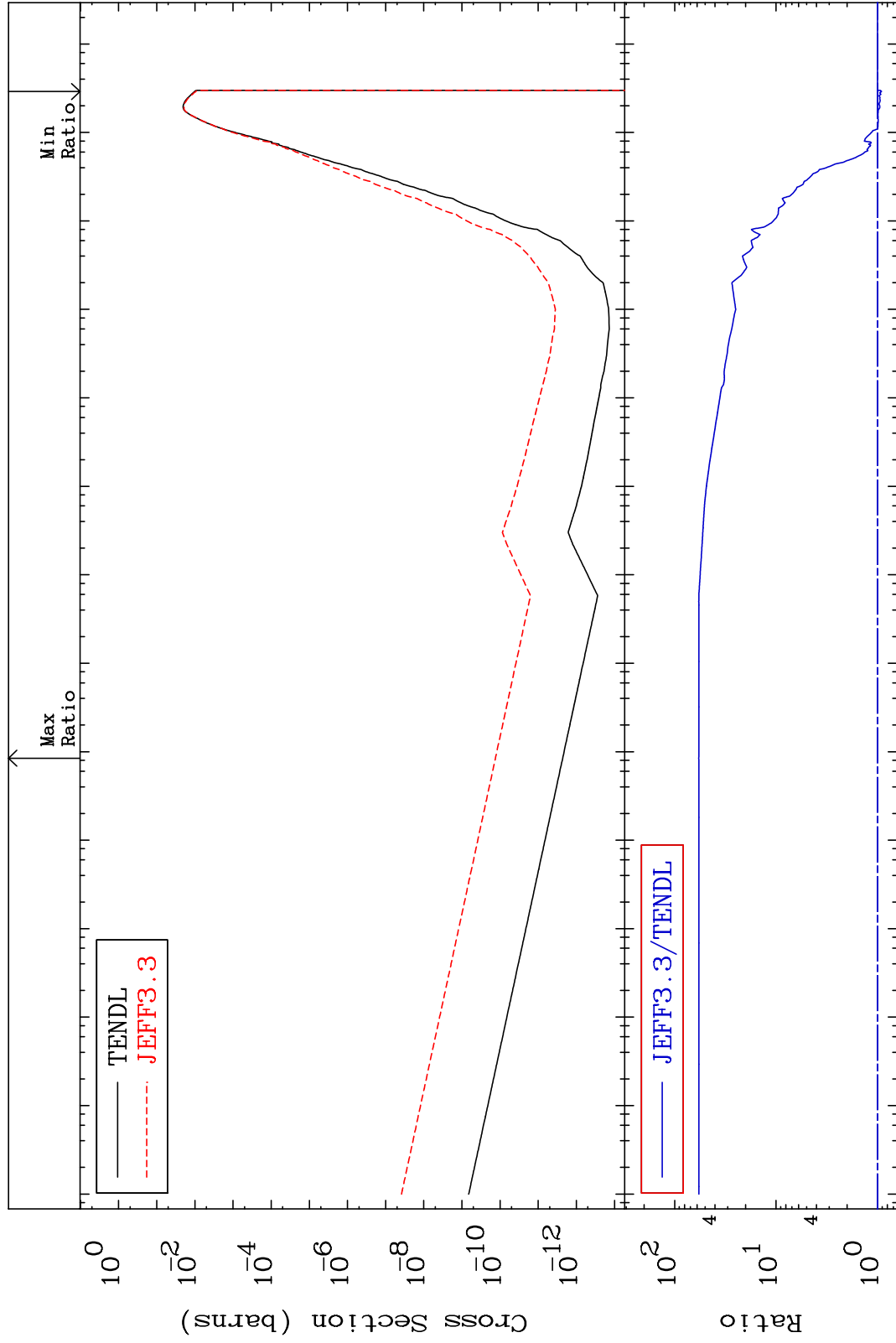
MAT 3834

(n, α)

38-Sr-87

Cross Section

-8.669 To 5691. %



Incident Energy (eV)

38-Sr-87

53

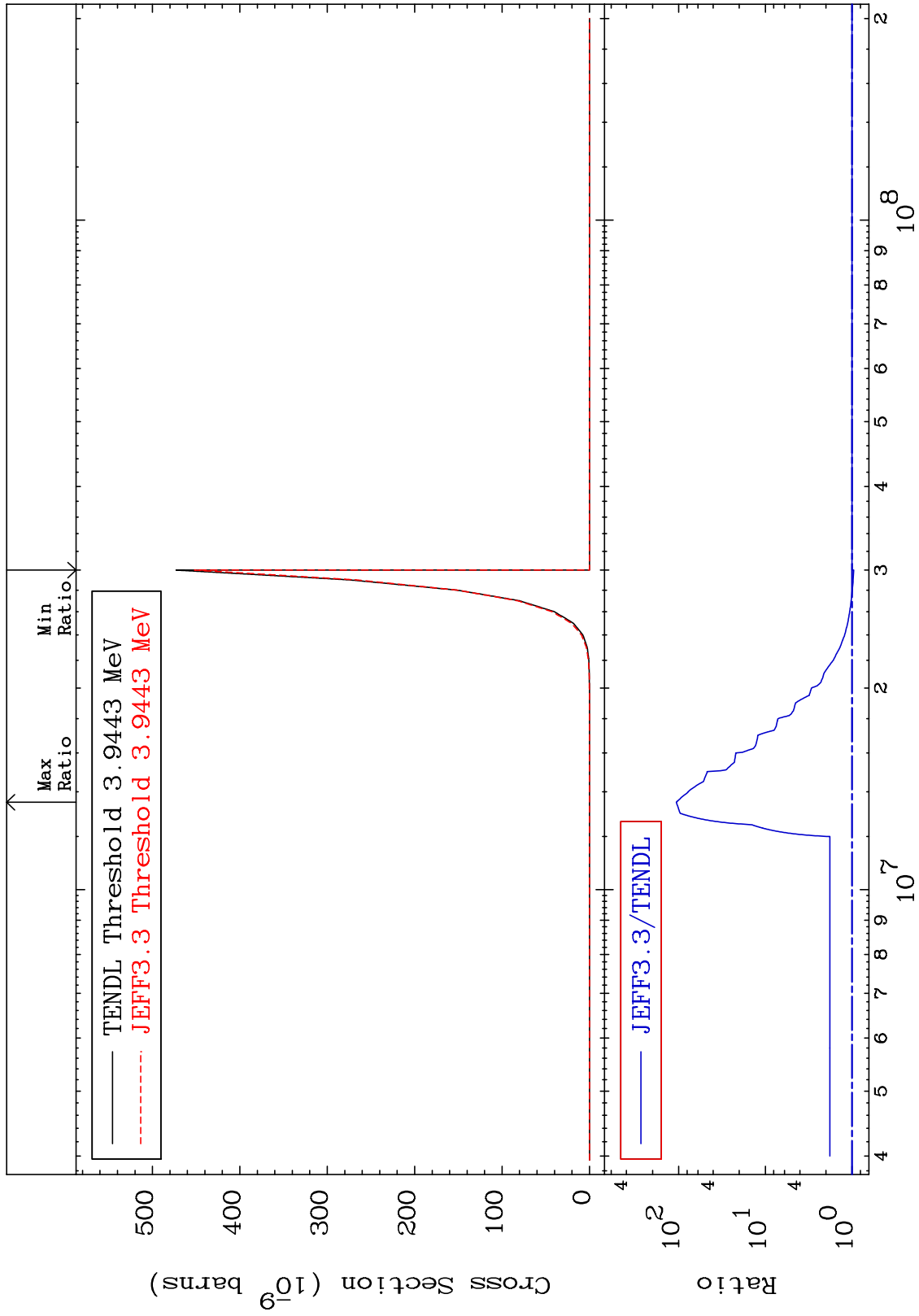
MAT 3834

(n, 2α)

38-Sr-87

Cross Section

-4.438 To 9999. %



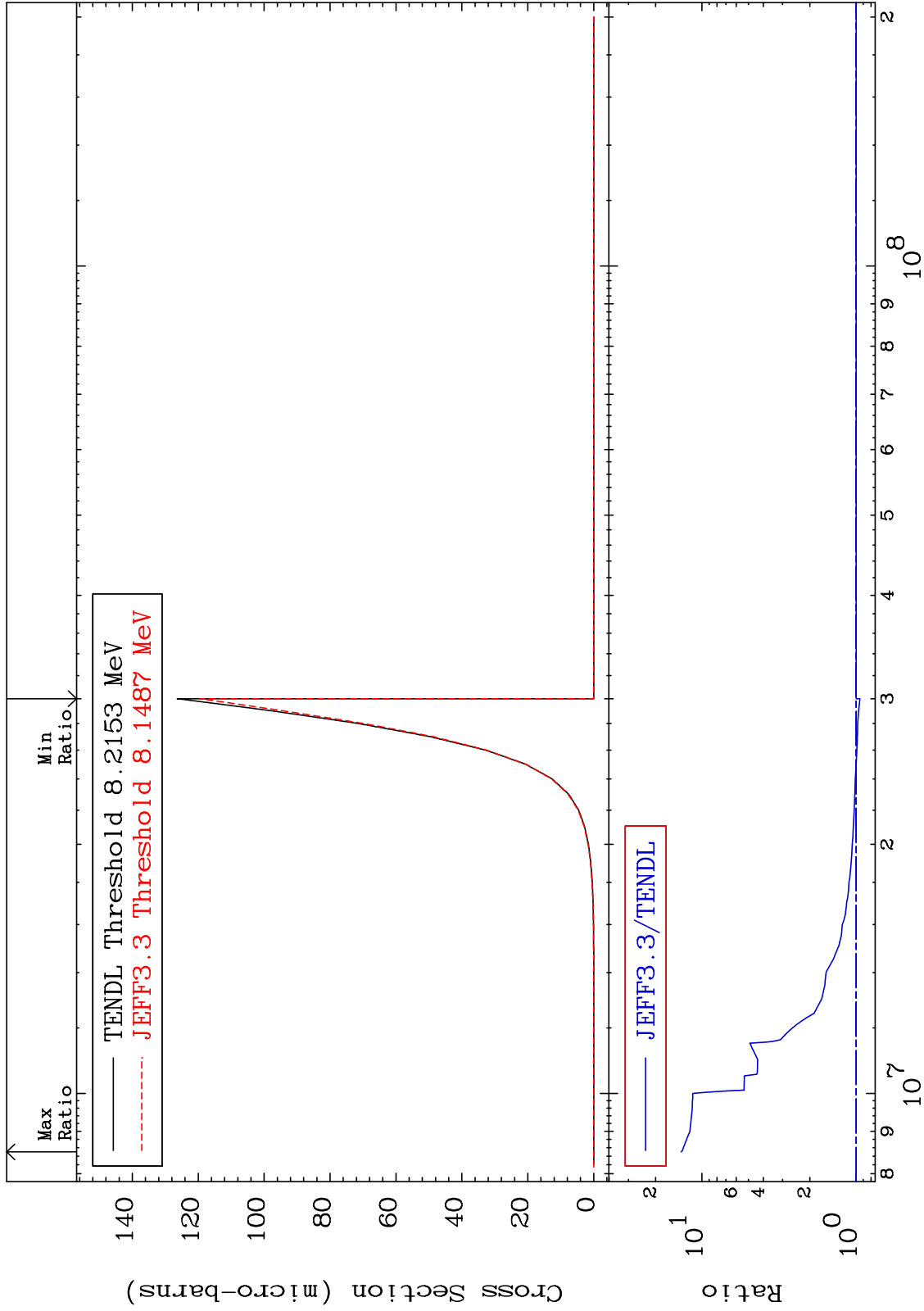
MAT 3834

(n,2p)

38-Sr-87

Cross Section

-5.452 To 1263. %



55

Incident Energy (eV)

38-Sr-87

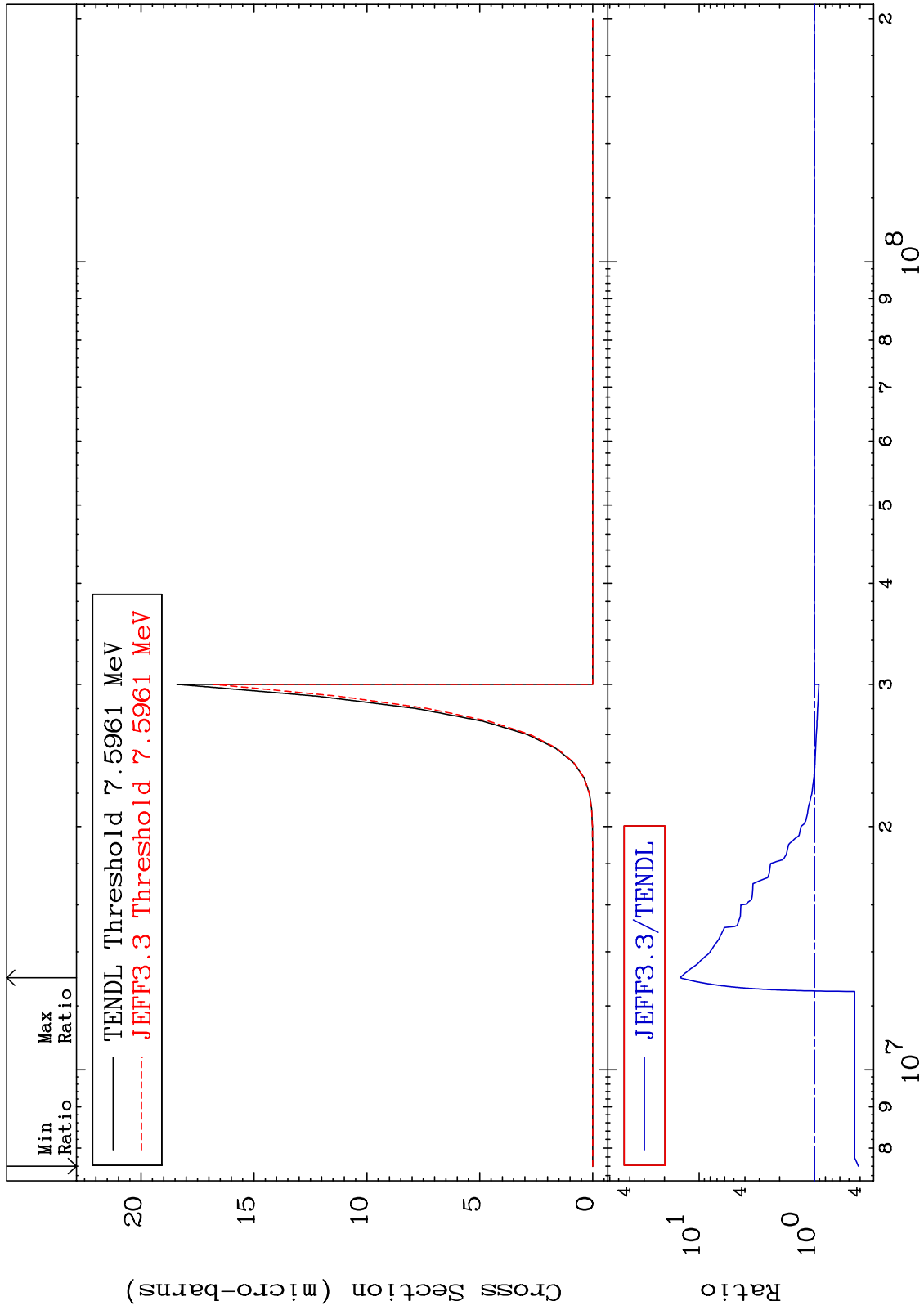
MAT 3834

(n,p) α

38-Sr-87

Cross Section

-58.64 To 1367. %



56

38-Sr-87

38-Sr-87

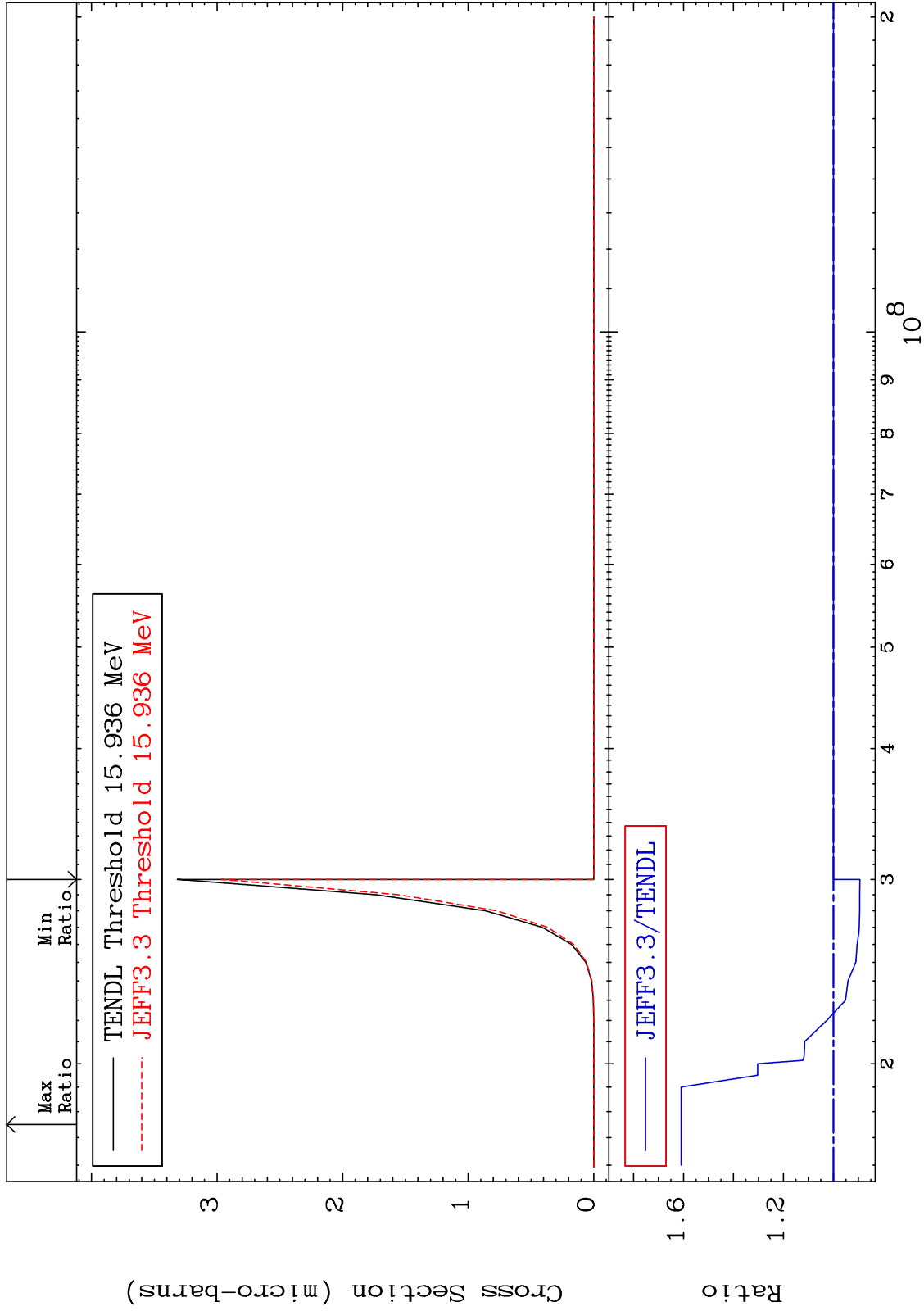
MAT 3834

(n,p) d

38-Sr-87

Cross Section

-10.63 To 60.90 %



57

Incident Energy (eV)

38-Sr-87

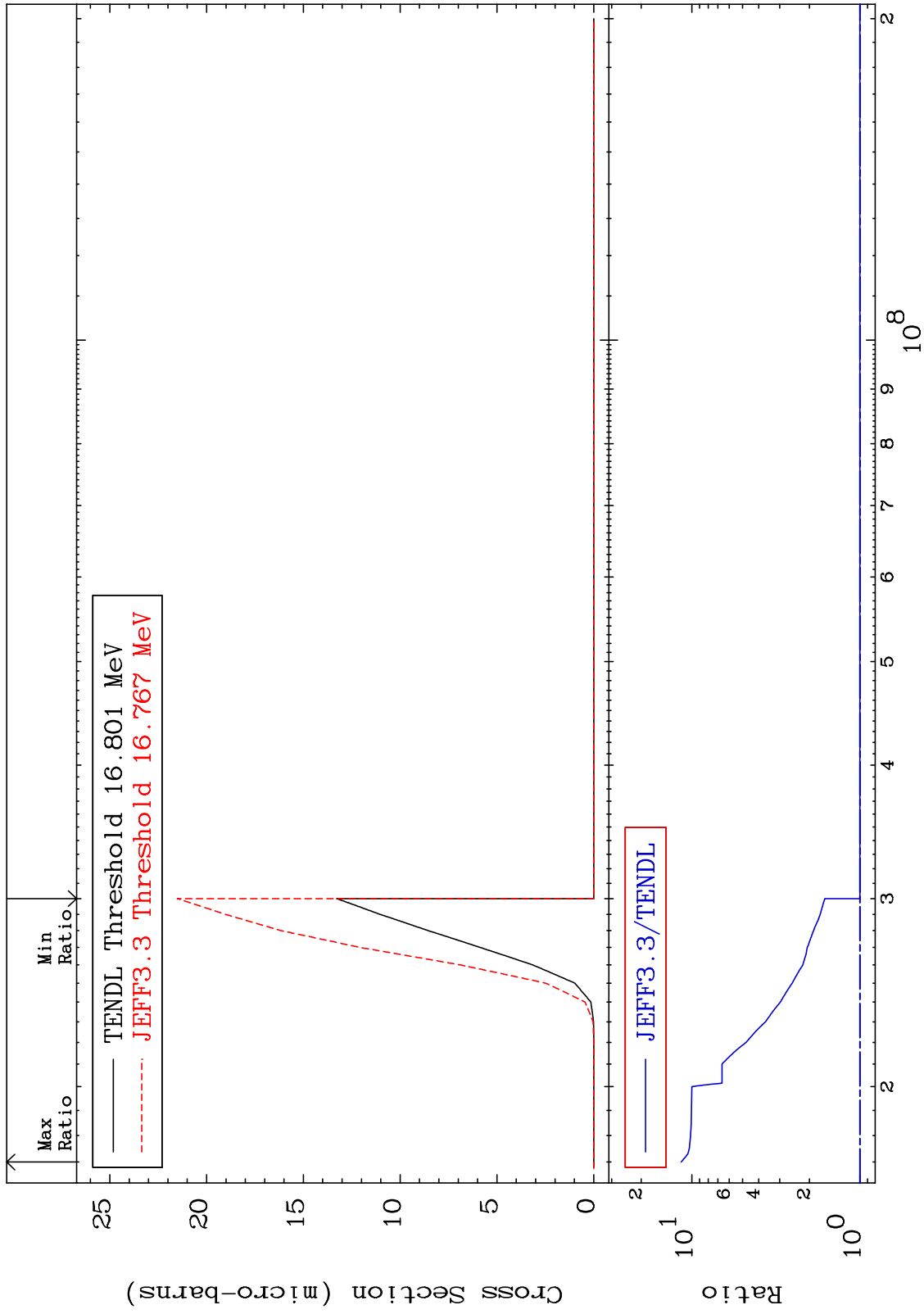
MAT 3834

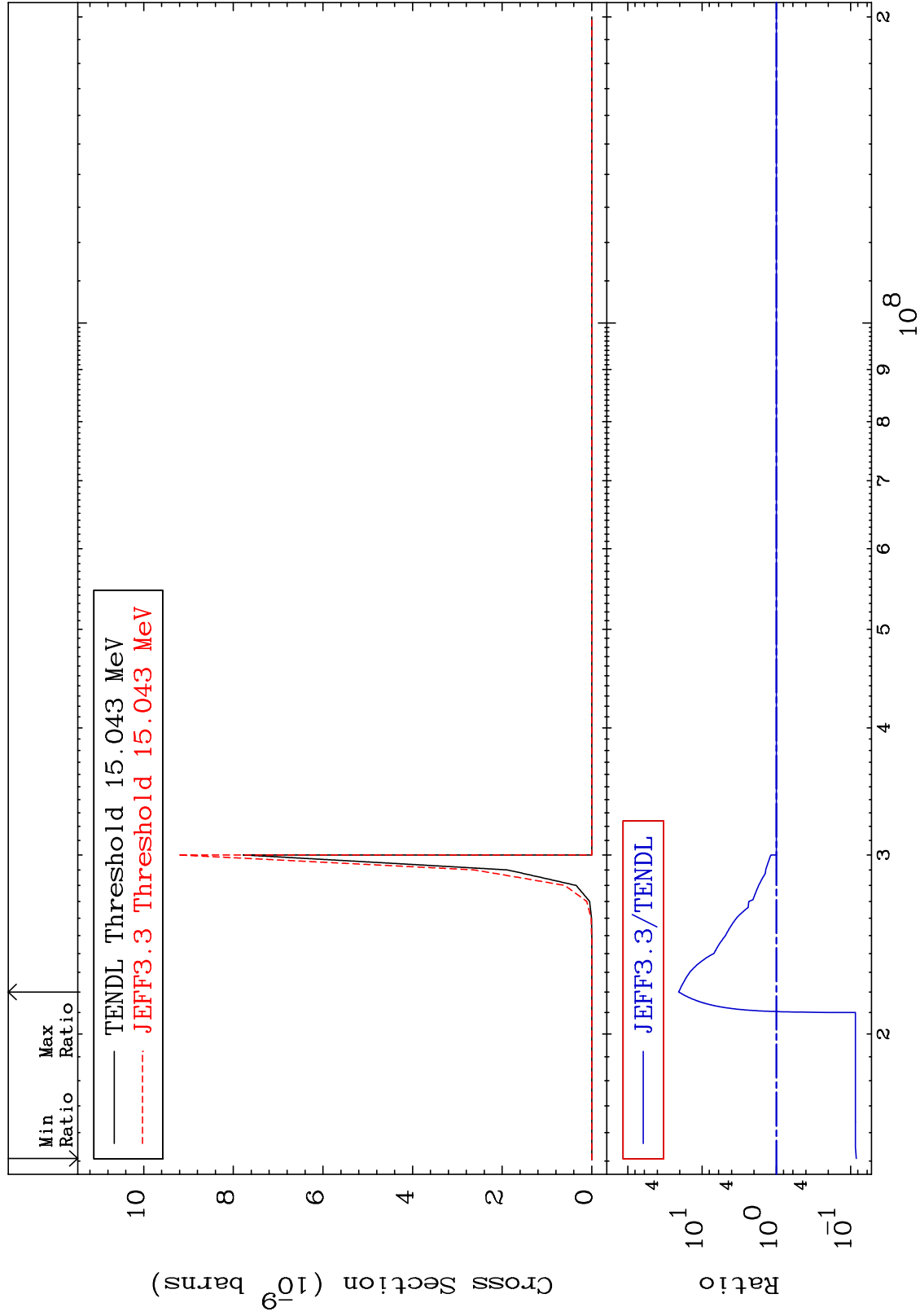
(n,p) t

38-Sr-87

Cross Section

0.000 To 1057. %

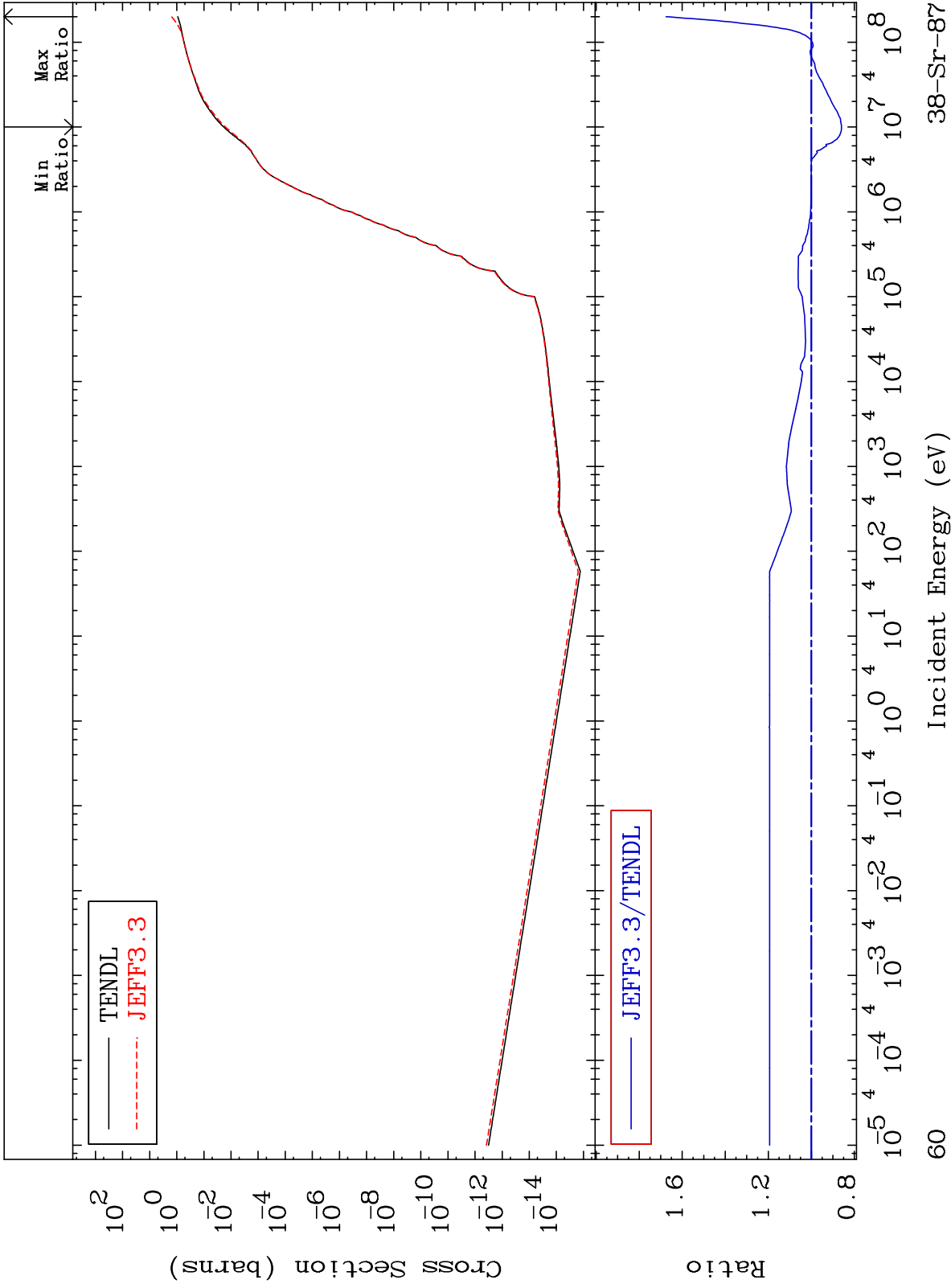




MAT 3834

Hydrogen Production
Cross Section

38-Sr-87
-14.02 To 67.48 %

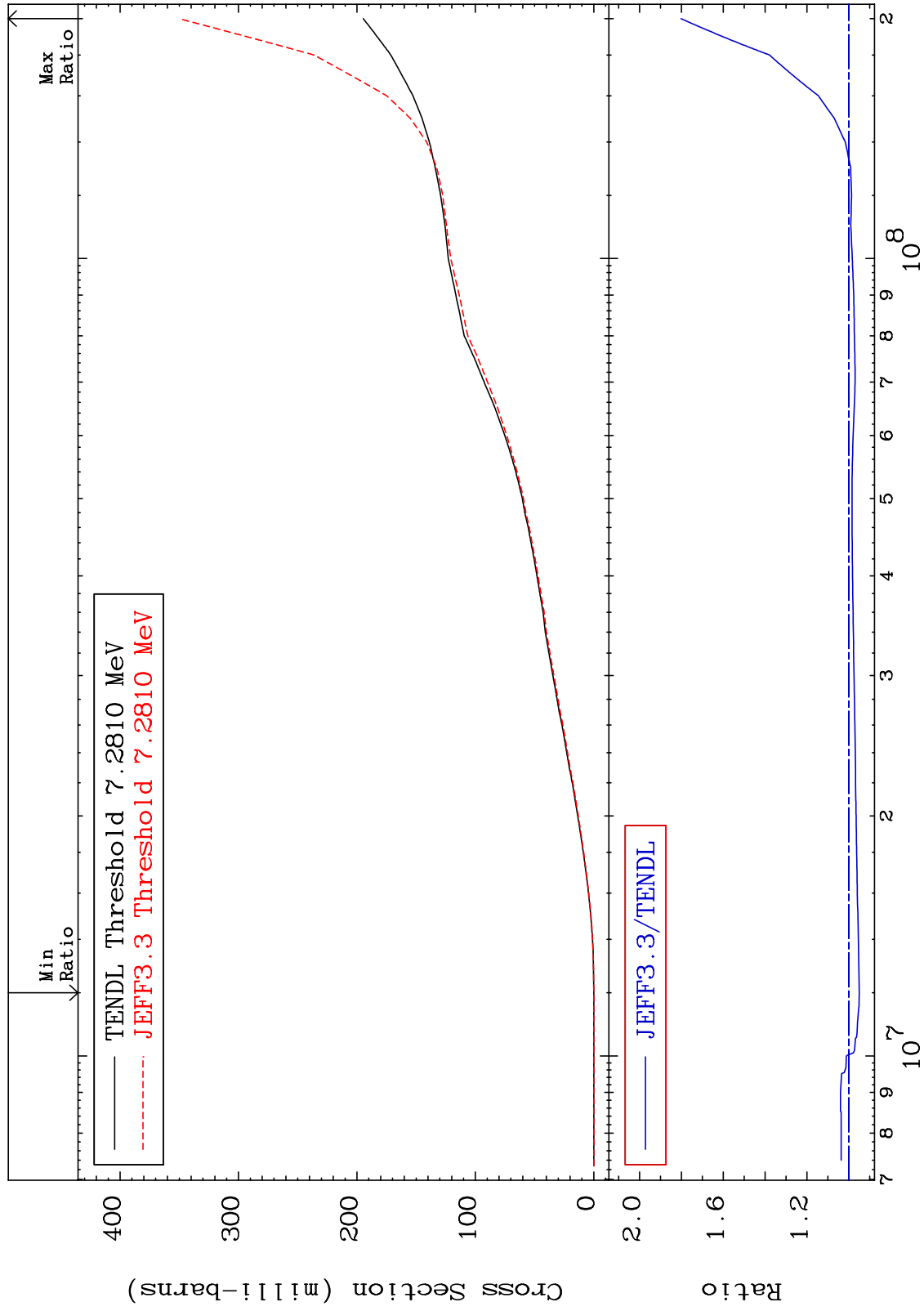


38-Sr-87

MAT 3834

Deuterium Production
Cross Section

38-Sr-87
-5.059 To 80.15 %



61

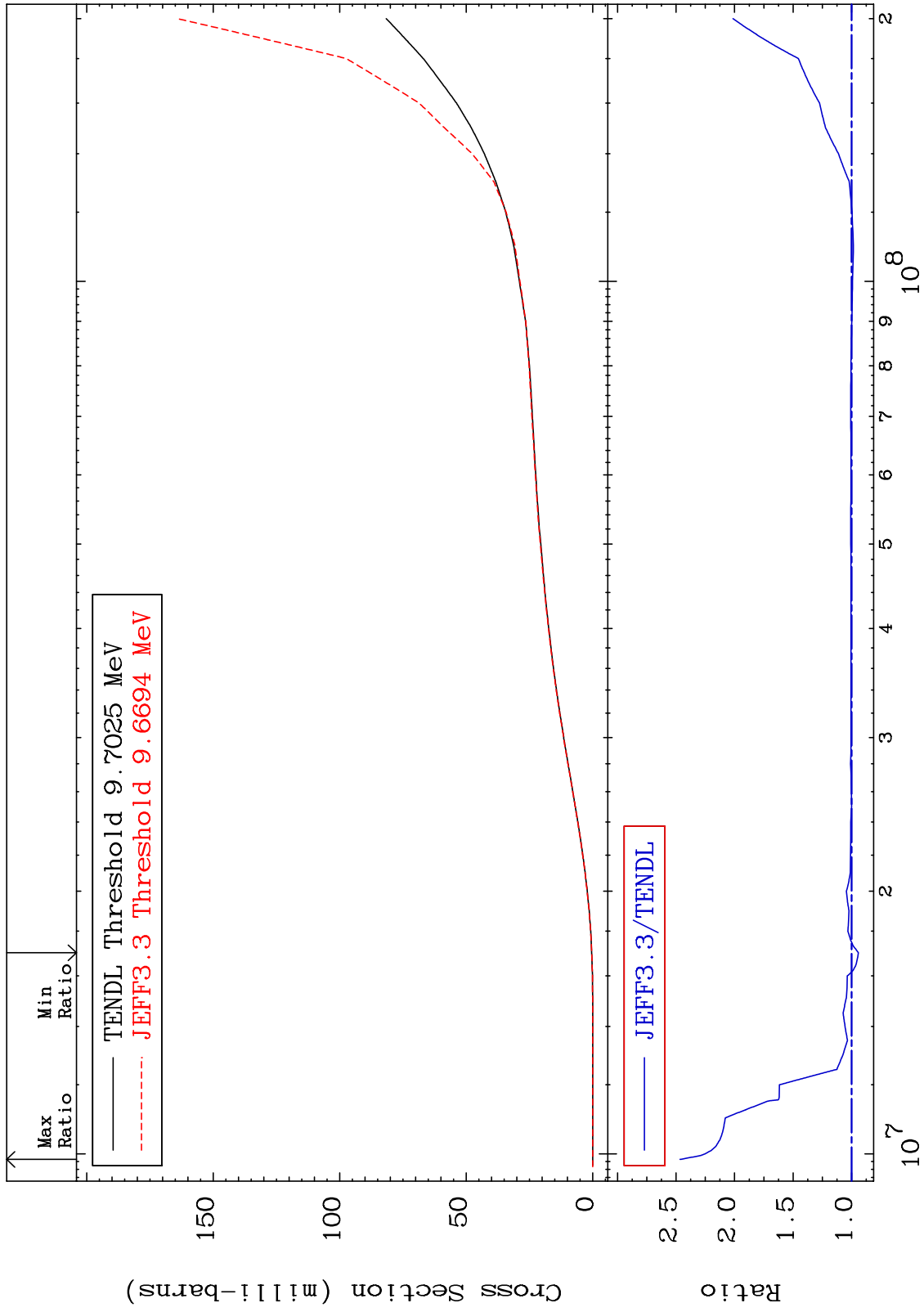
Incident Energy (eV)

38-Sr-87

MAT 3834

Tritium Production
Cross Section

³⁸Sr-87
-5.781 To 146.6 %



62

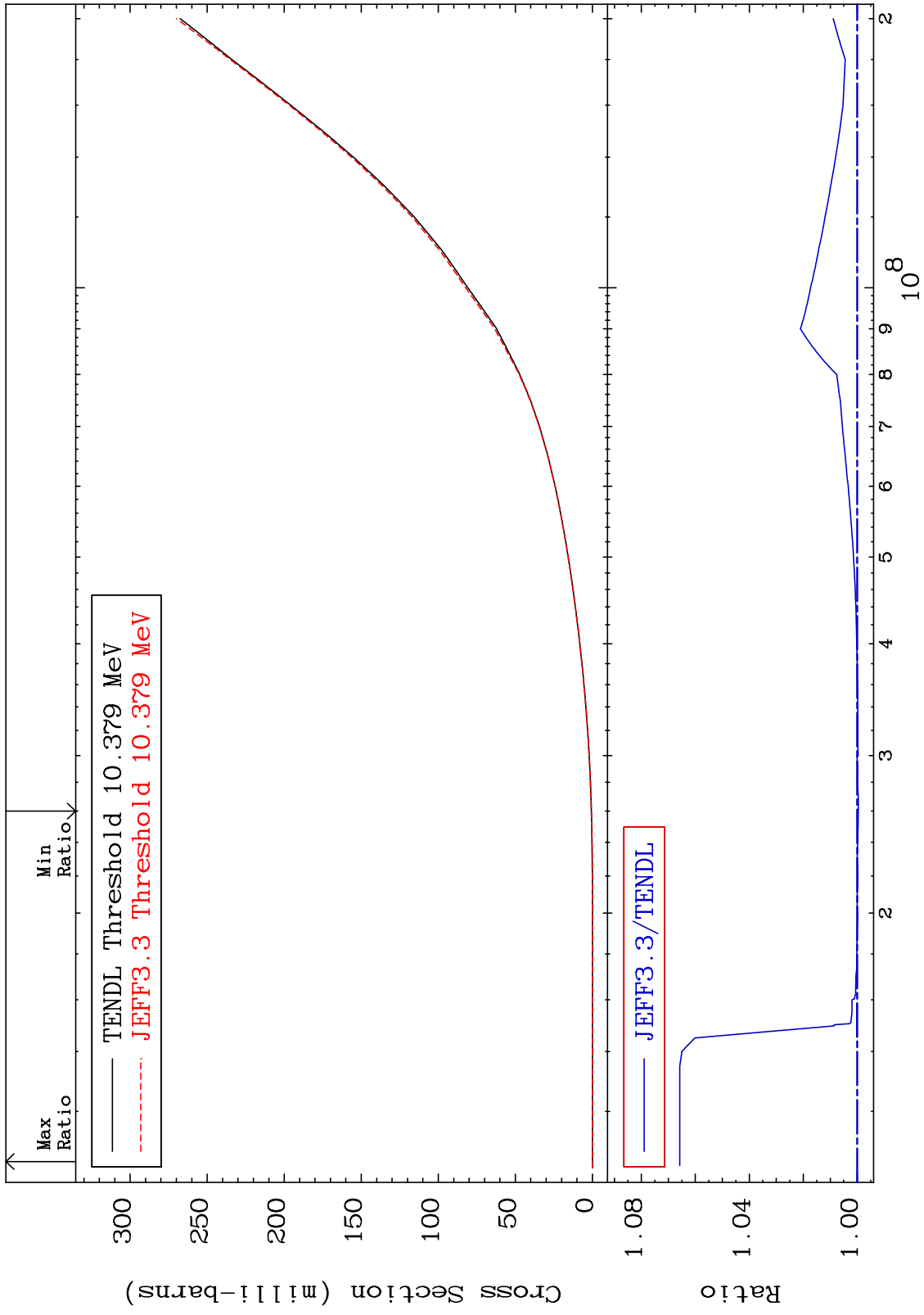
Incident Energy (eV)

³⁸Sr-87

MAT 3834

He-3 Production
Cross Section

38-Sr-87
-0.041 To 6.575 %



63

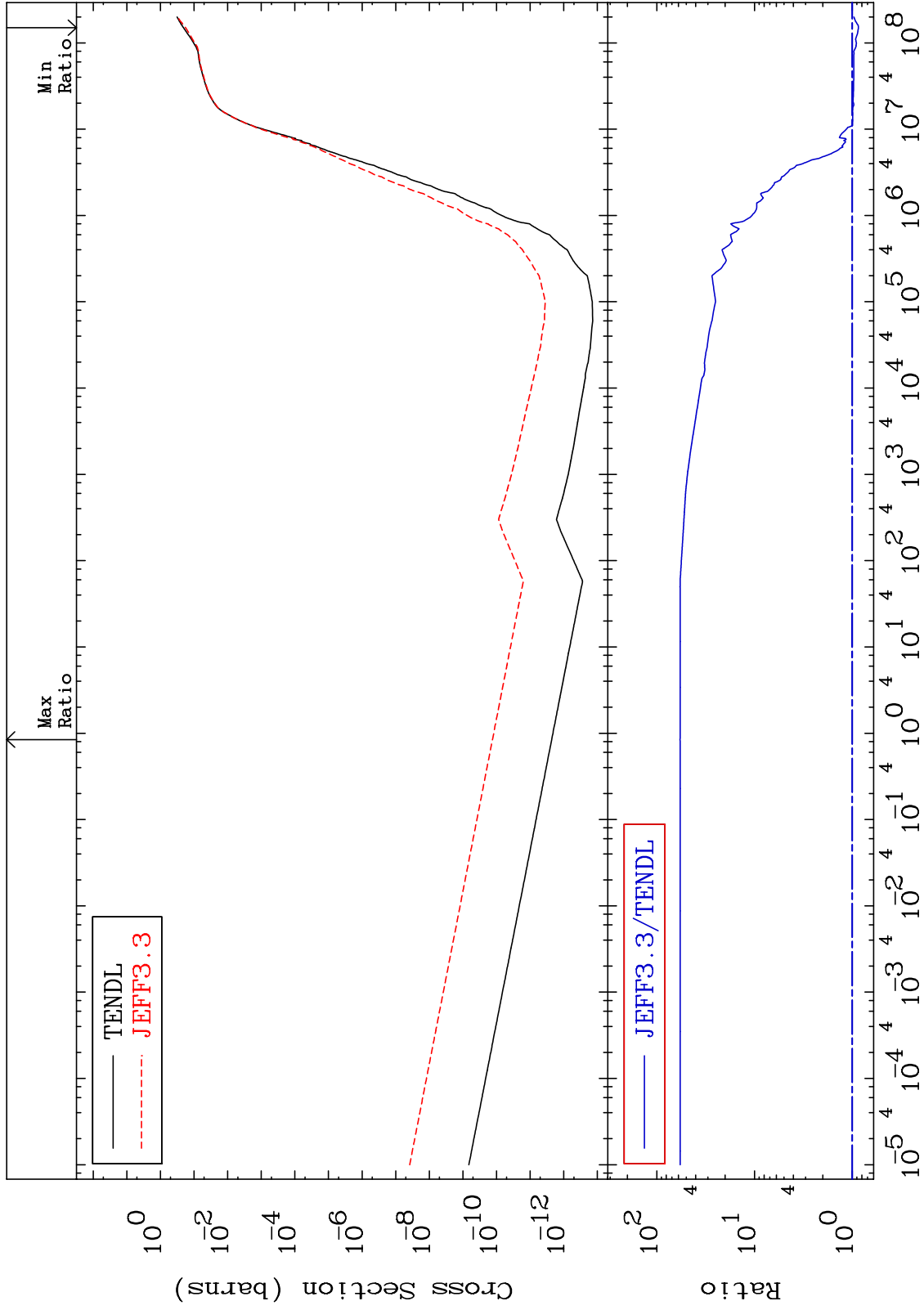
Incident Energy (eV)

38-Sr-87

MAT 3834

He-4 Production
Cross Section

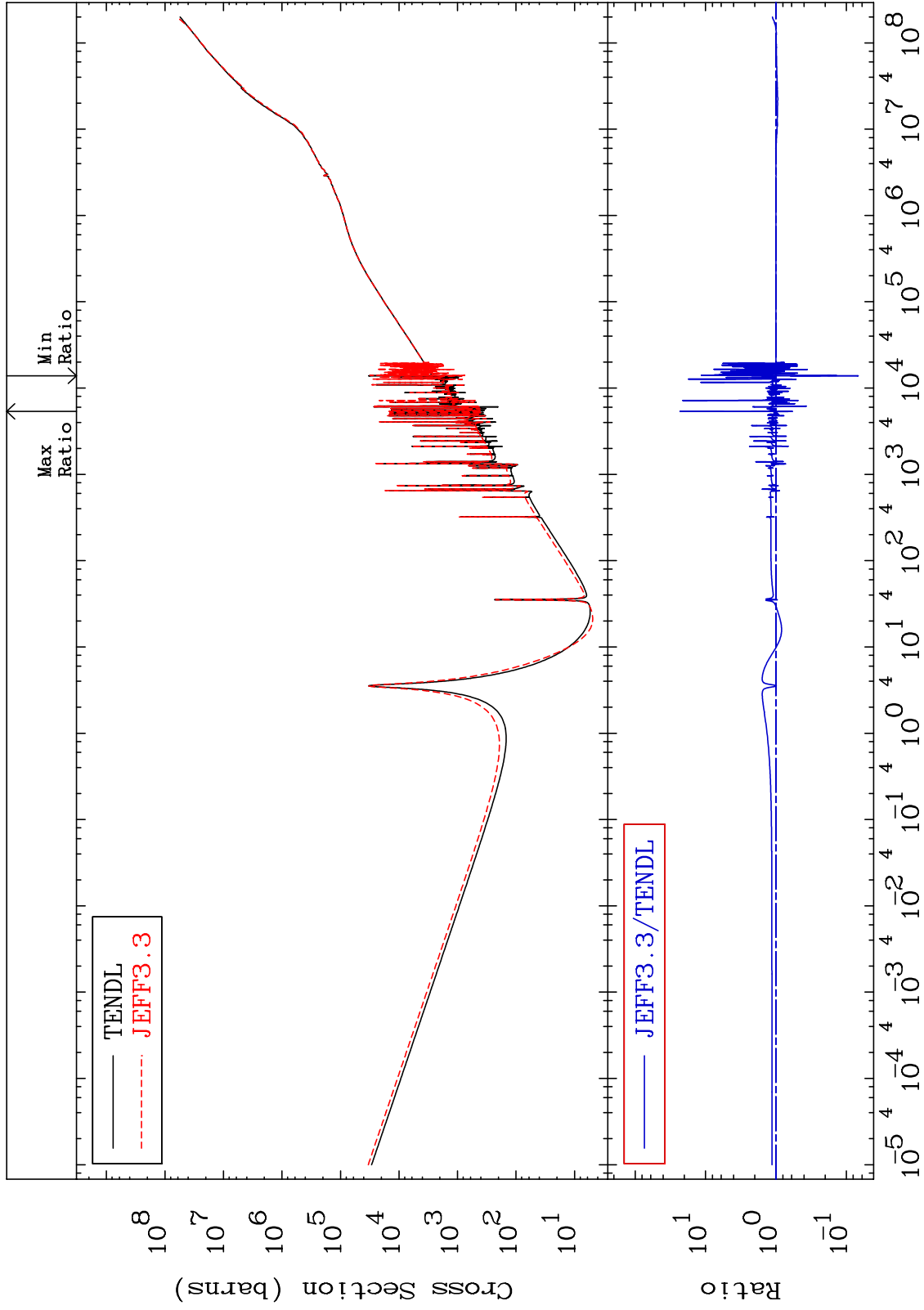
38-Sr-87
-13.40 To 5691. %



MAT 3834

Kerma total (eV-barns)
Cross Section

38-Sr-87
-93.25 To 2205. %



65

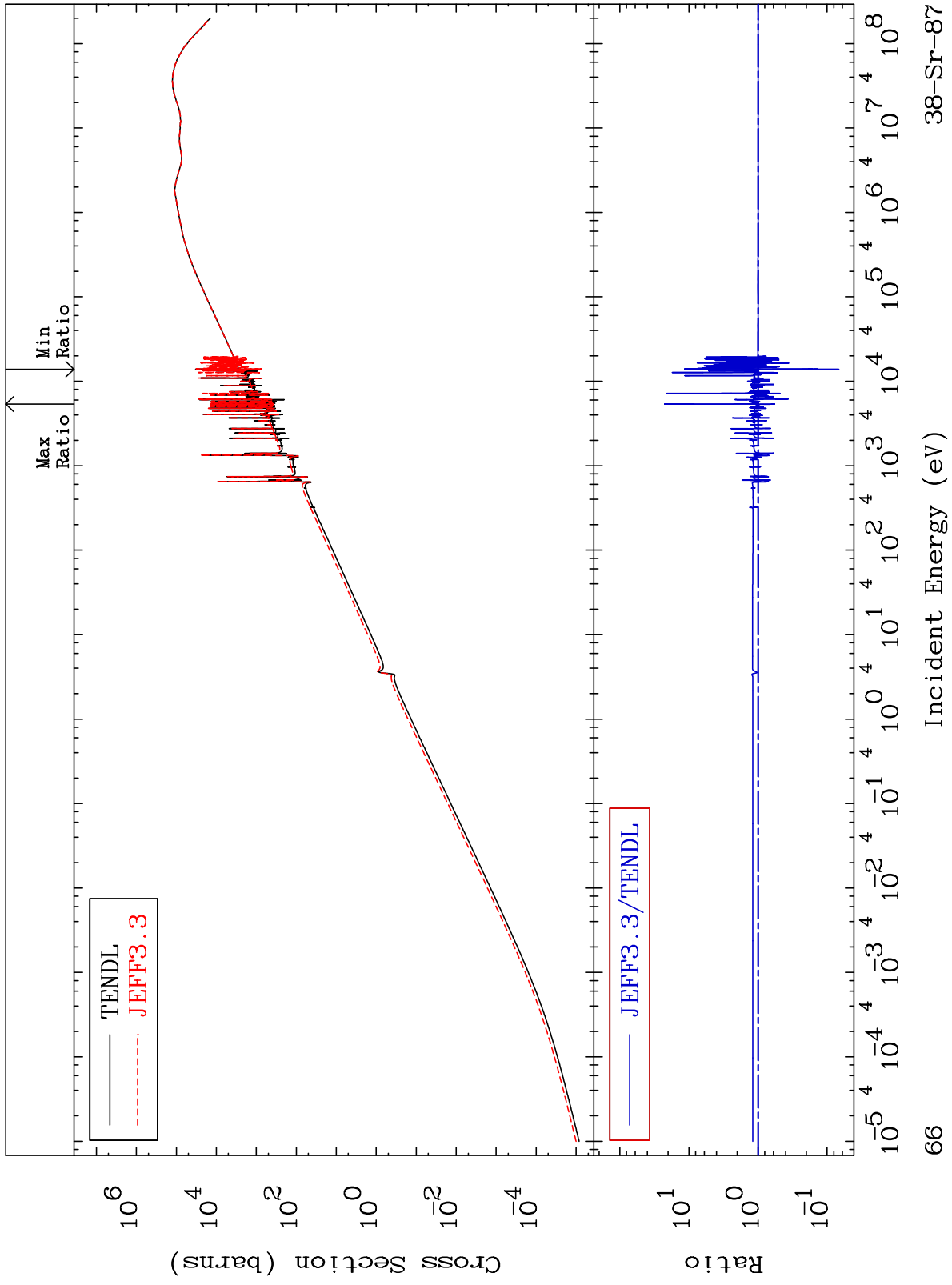
Incident Energy (eV)

38-Sr-87

MAT 3834

Kerma elastic
Cross Section

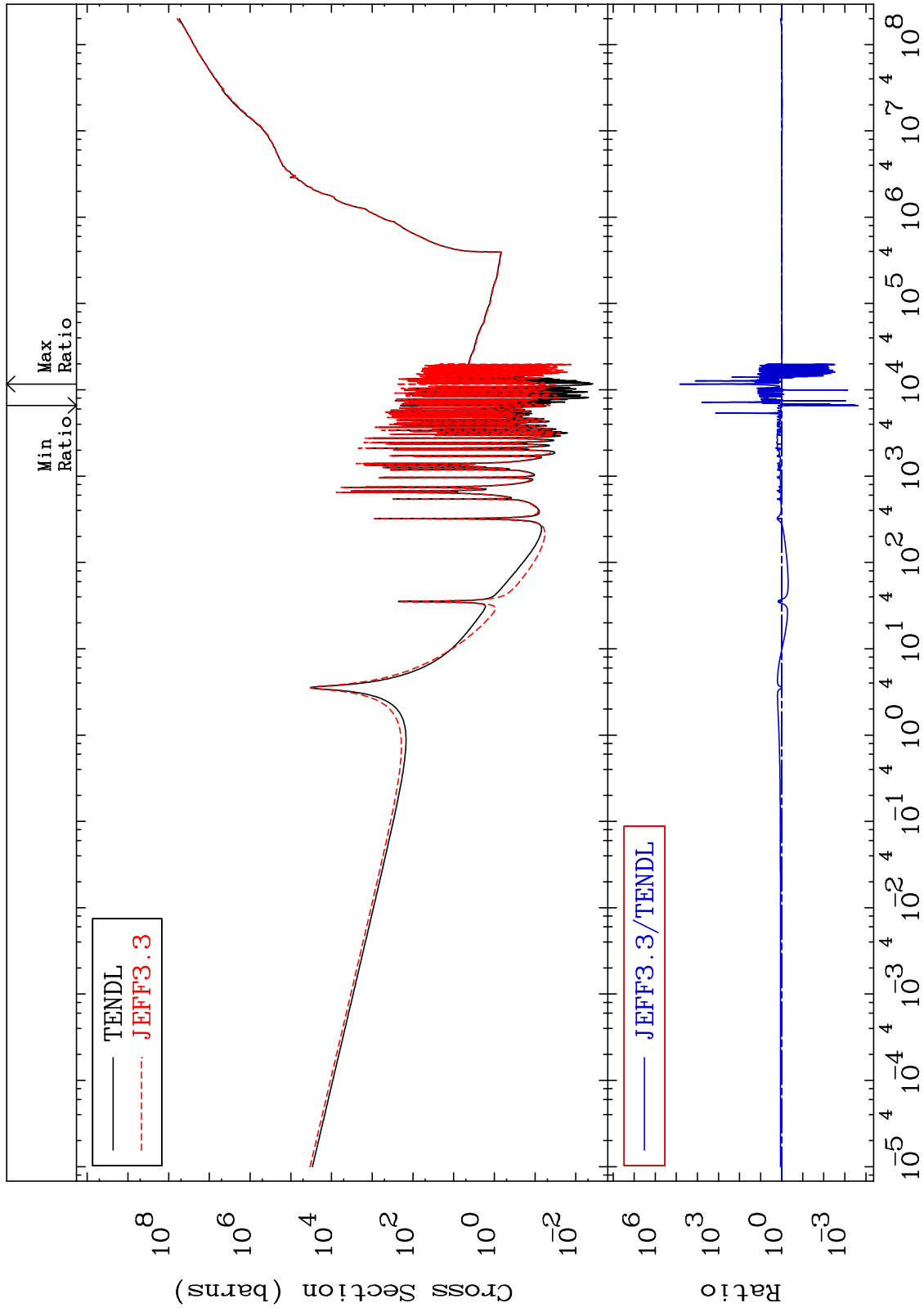
38-Sr-87
-93.27 To 2159. %



MAT 3834

Kerma non-elastic (all but mt2)
Cross Section

38-Sr-87
-99.98 To 9999. %



67

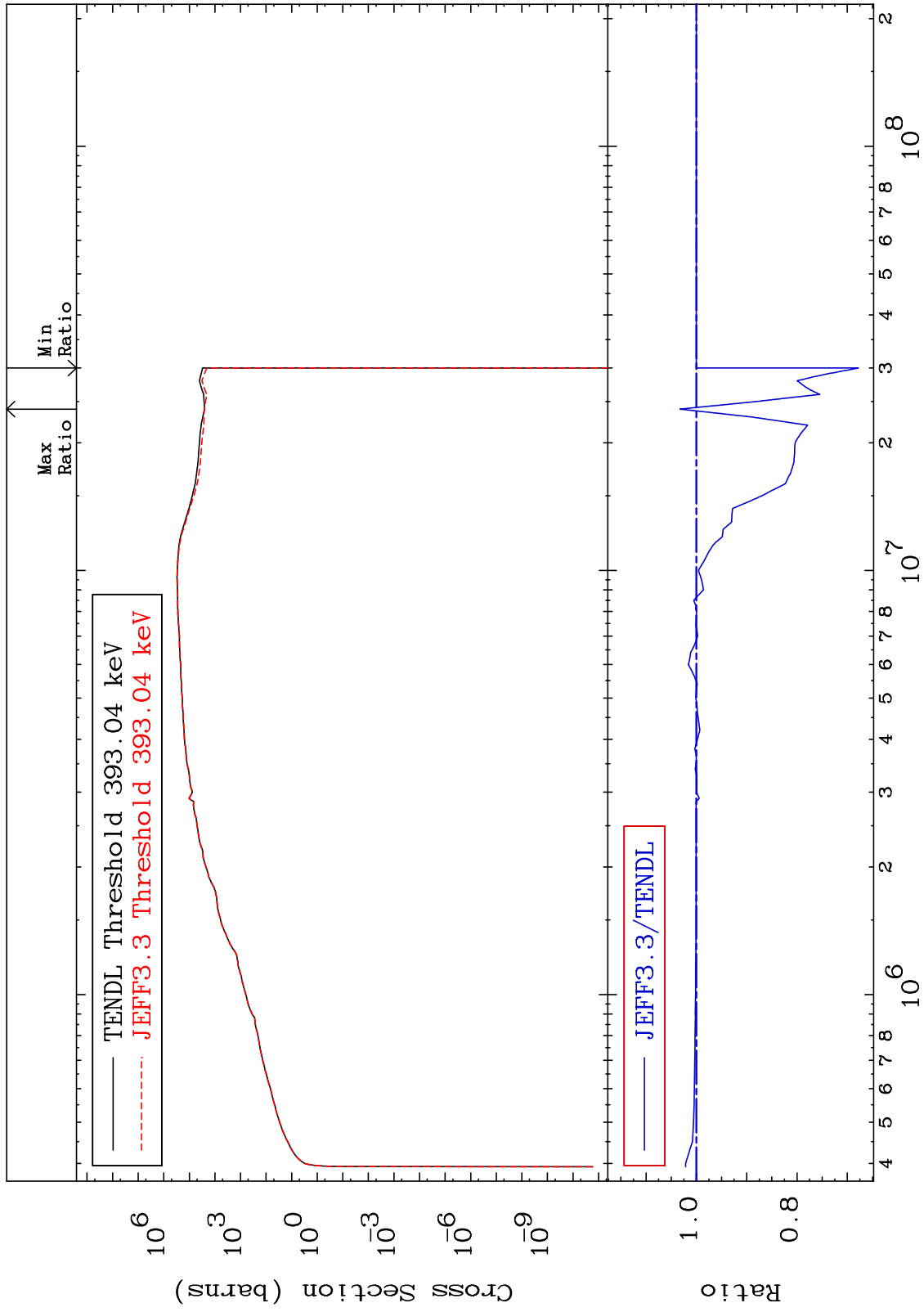
Incident Energy (eV)

38-Sr-87

MAT 3834

Kerma inelastic (mt51-91)
Cross Section

38-Sr-87
-32.21 To 3.249 %



68

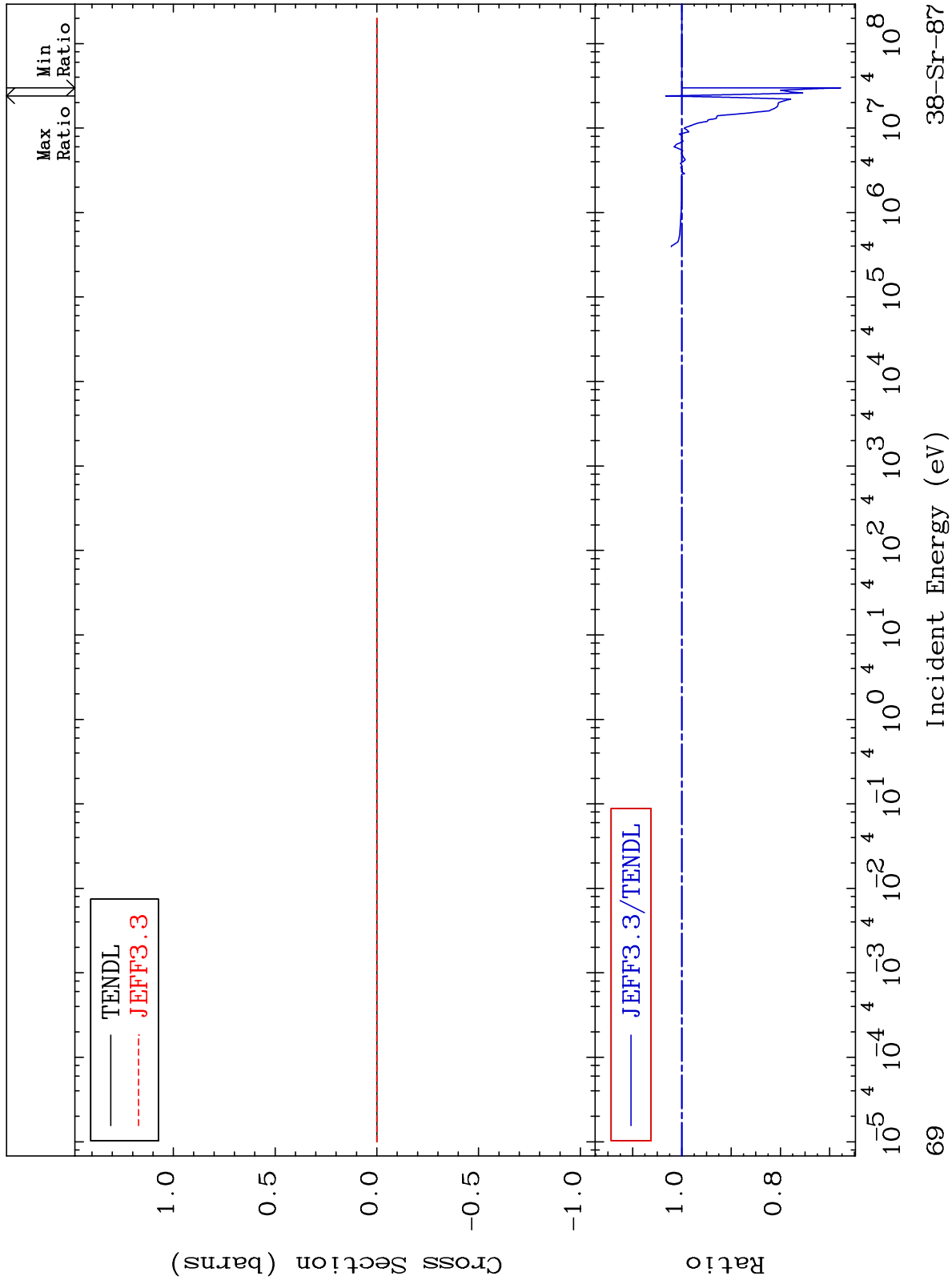
Incident Energy (eV)

38-Sr-87

MAT 3834

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

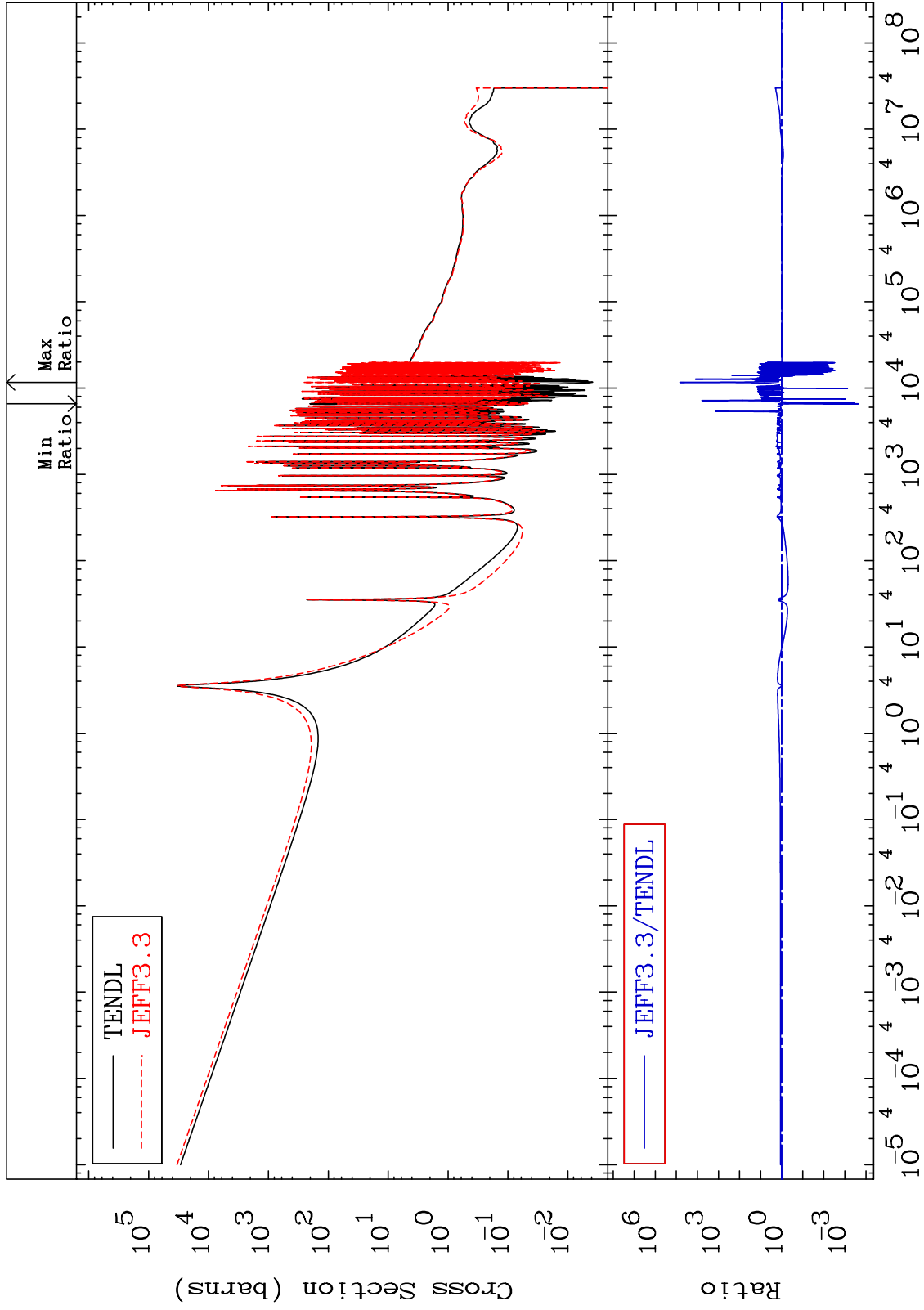
38-Sr-87
-32.21 To 3.249 %



MAT 3834

Kerma capture (mt102)
Cross Section

38-Sr-87
-99.98 To 9999. %



70

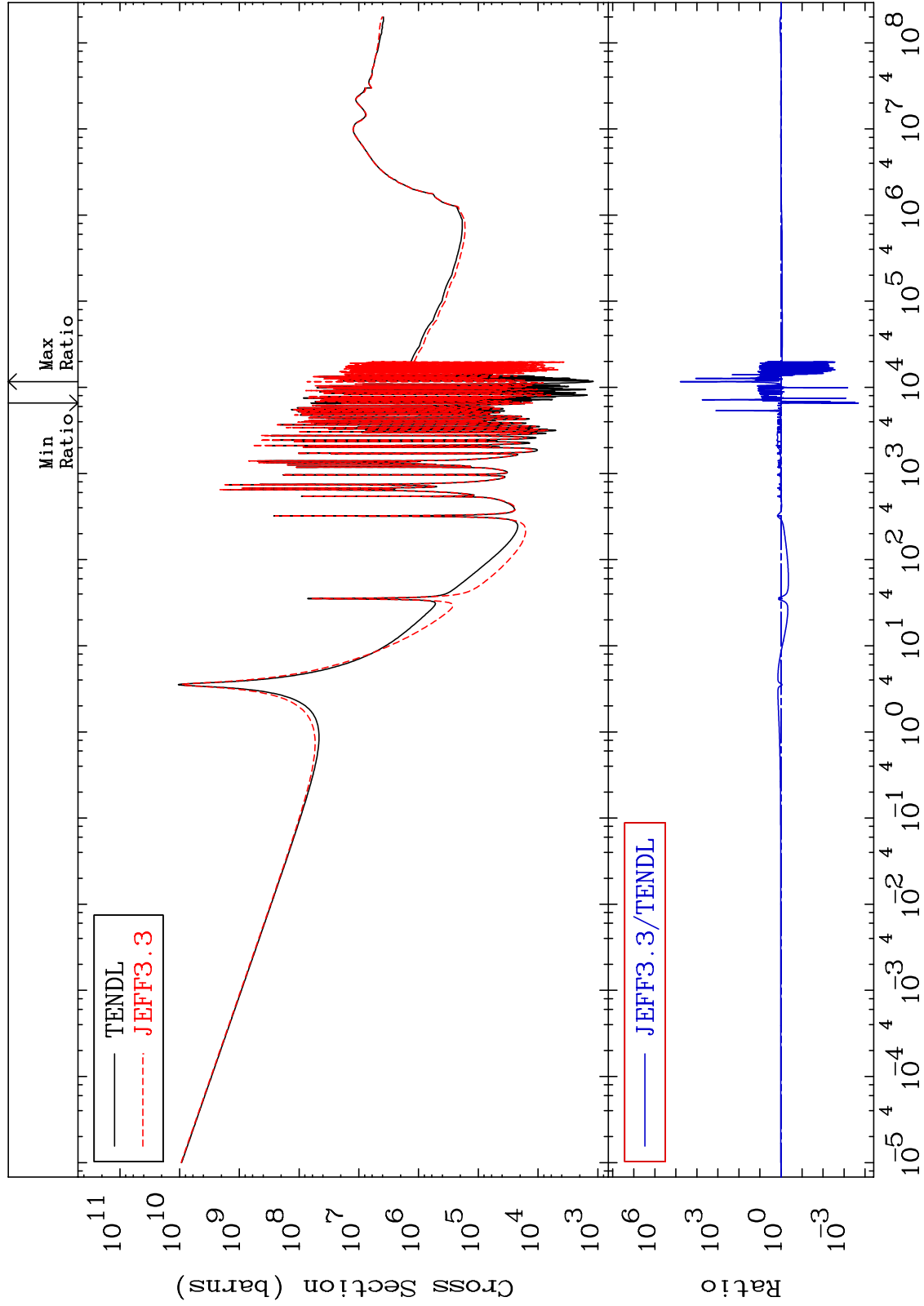
Incident Energy (eV)

38-Sr-87

MAT 3834

Total photon (eV-barns)
Cross Section

38-Sr-87
-99.98 To 9999. %



71

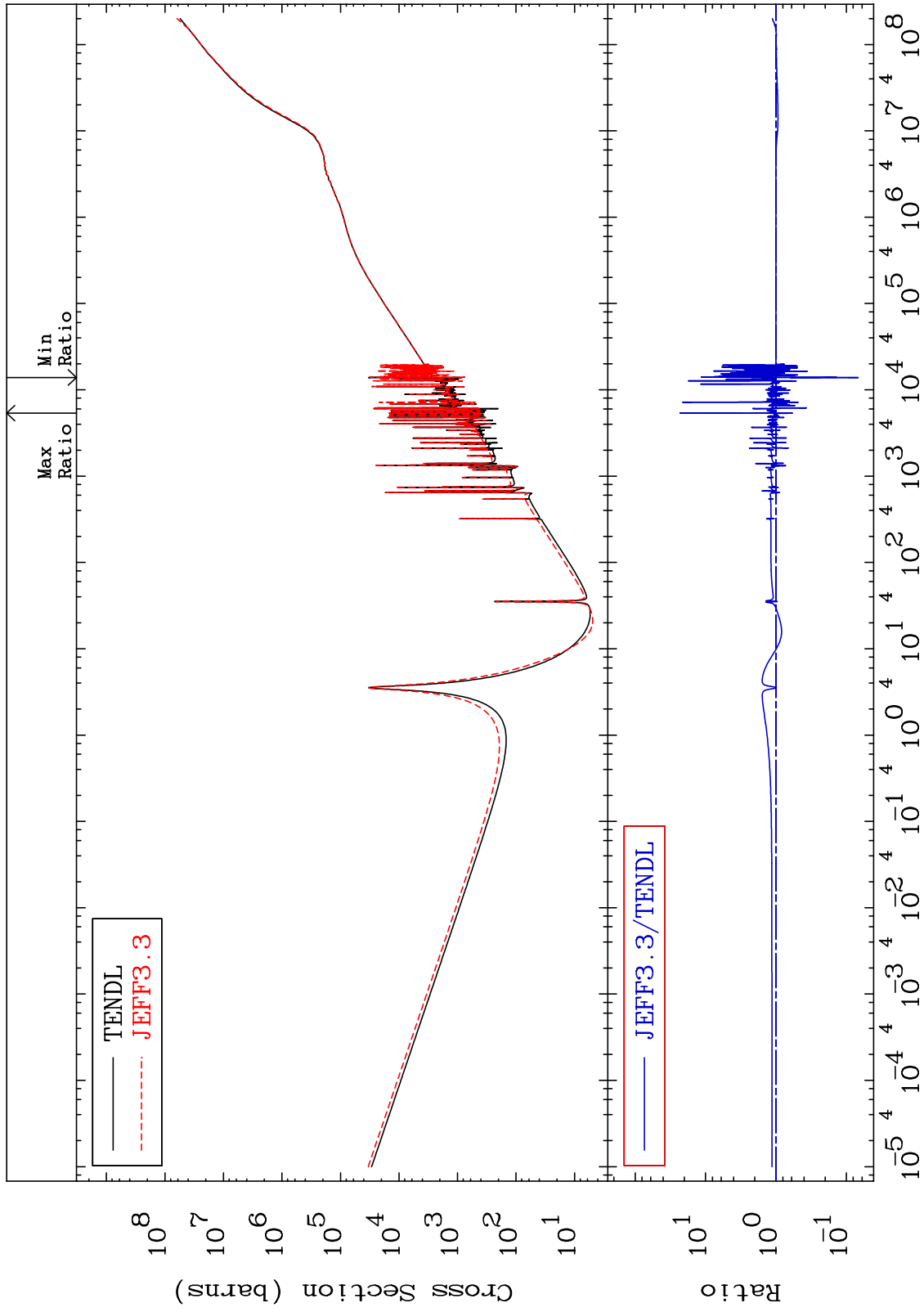
Incident Energy (eV)

38-Sr-87

MAT 3834

Total kinematic kerma (high limit)
Cross Section

38-Sr-87
-93.25 To 2205. %



72

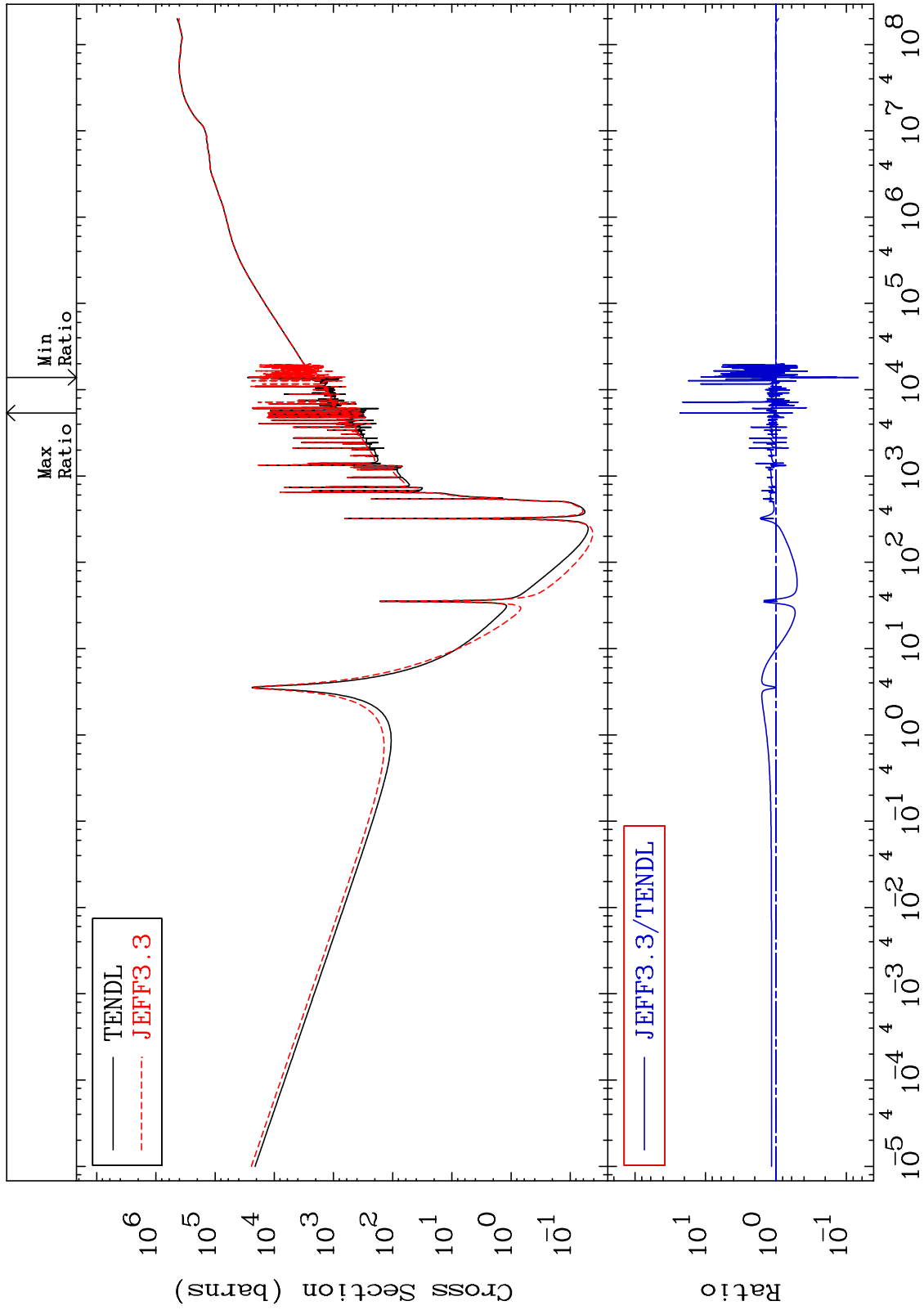
Incident Energy (eV)

38-Sr-87

MAT 3834

Dpa total (eV-barns)
Cross Section

38-Sr-87
-93.25 To 2198. %



73

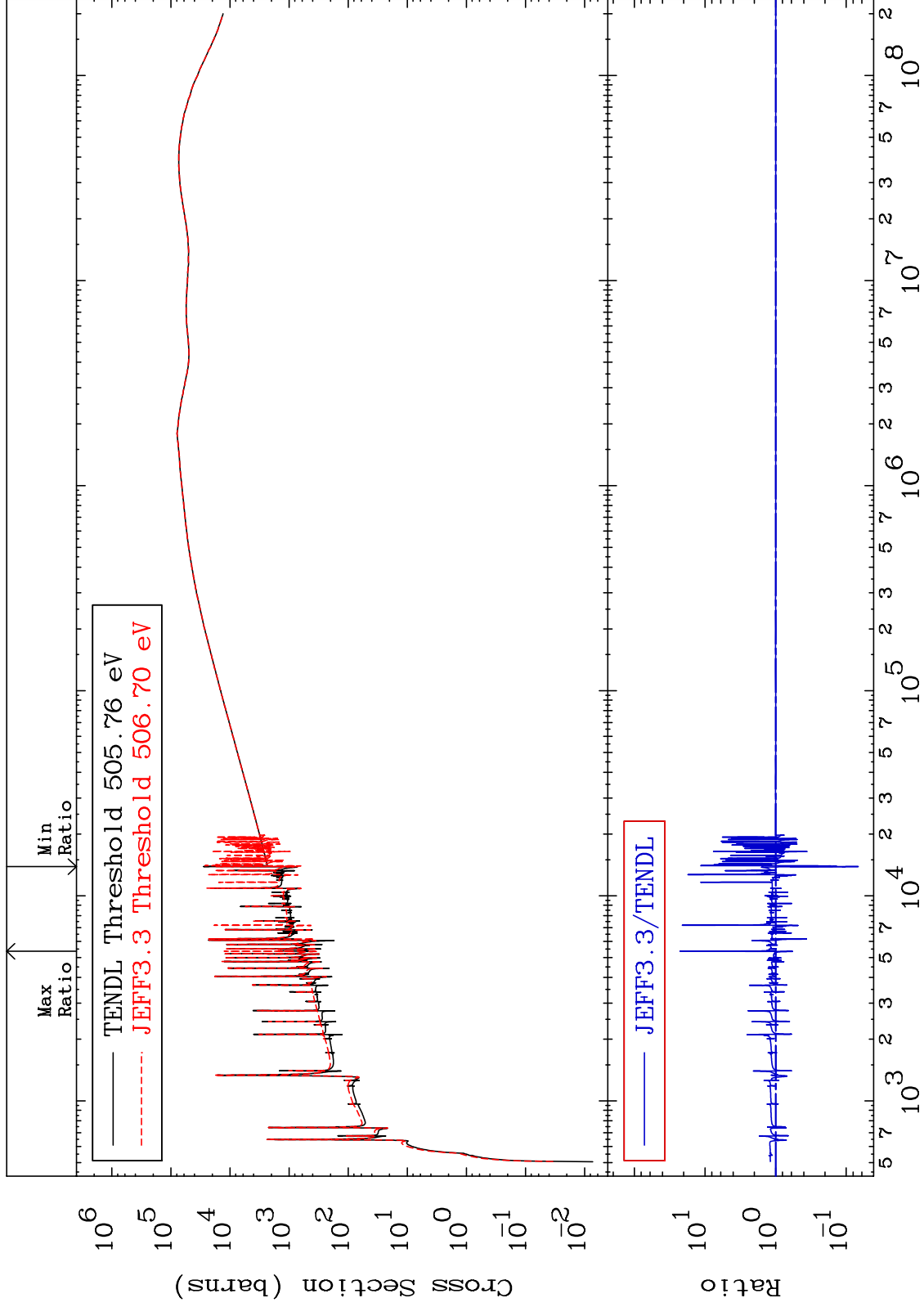
Incident Energy (eV)

38-Sr-87

MAT 3834

Dpa elastic (mt2)
Cross Section

38-Sr-87
-93.27 To 2159. %



74

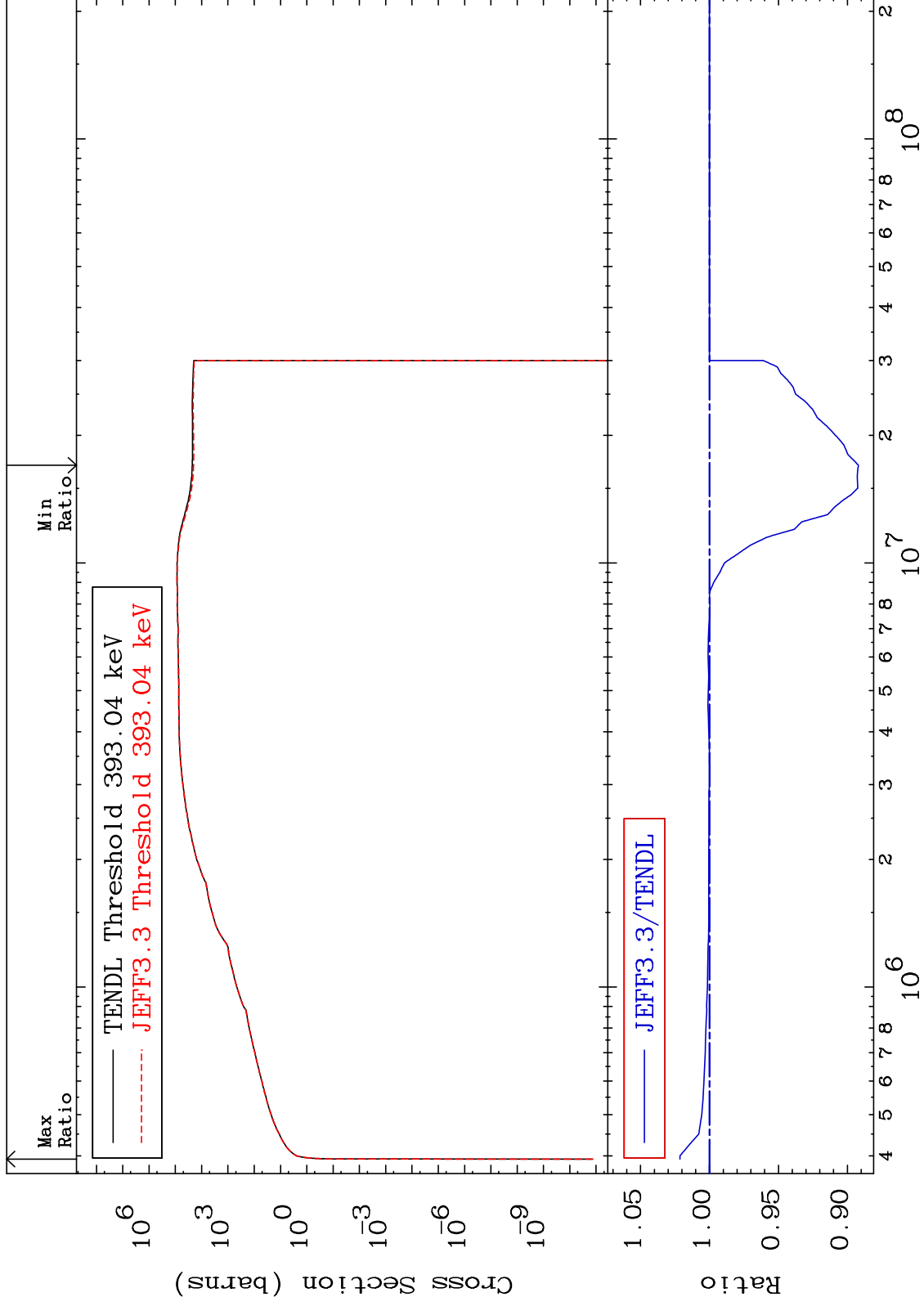
Incident Energy (eV)

38-Sr-87

MAT 3834

Dpa inelastic (mt51-91)
Cross Section

38-Sr-87
-10.80 To 2.139 %



75

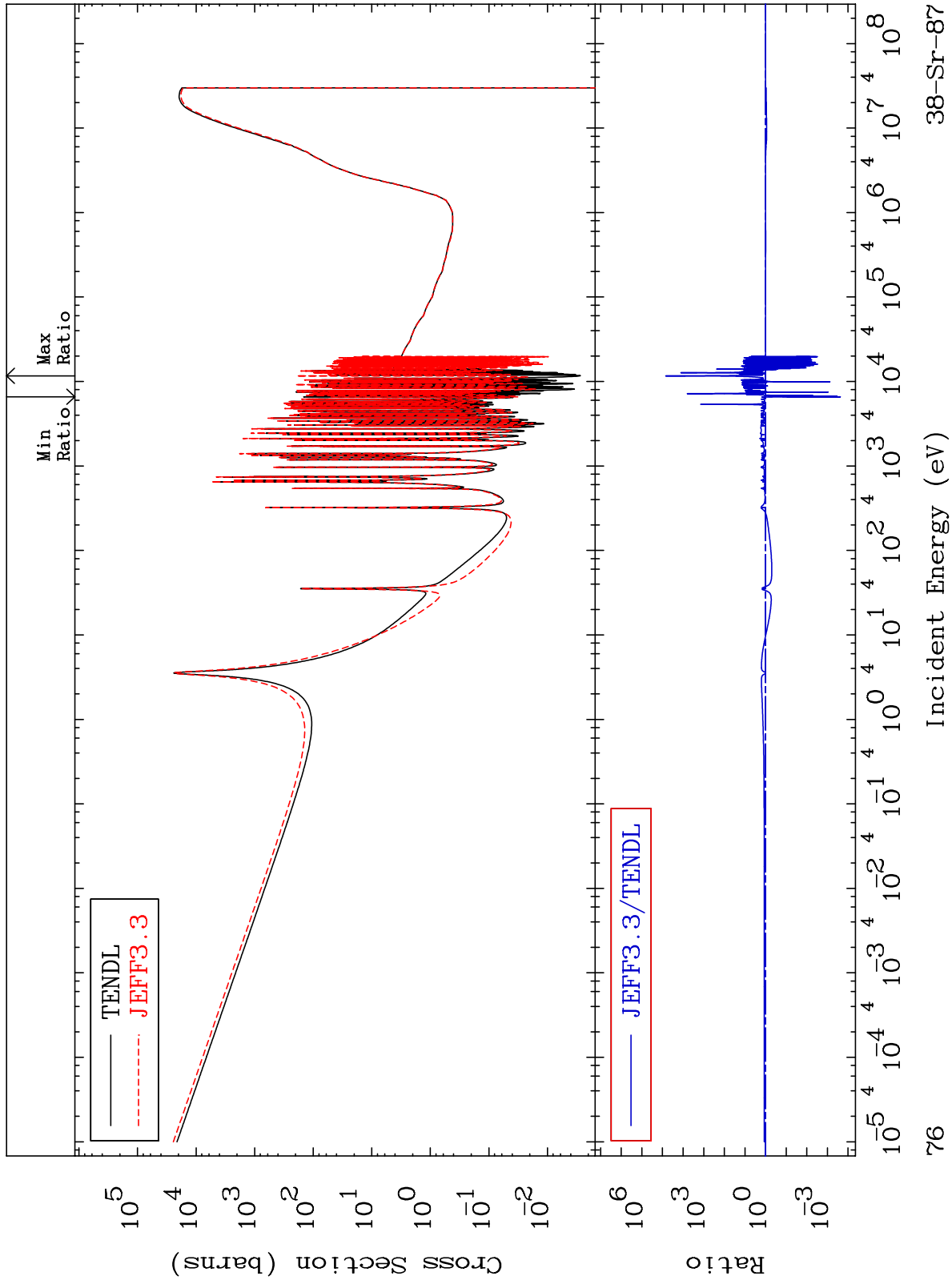
38-Sr-87

38-Sr-87

MAT 3834

Dpa disappearance (mt102 -120)
Cross Section

38-Sr-87
-99.98 To 9999. %



76

Incident Energy (eV)

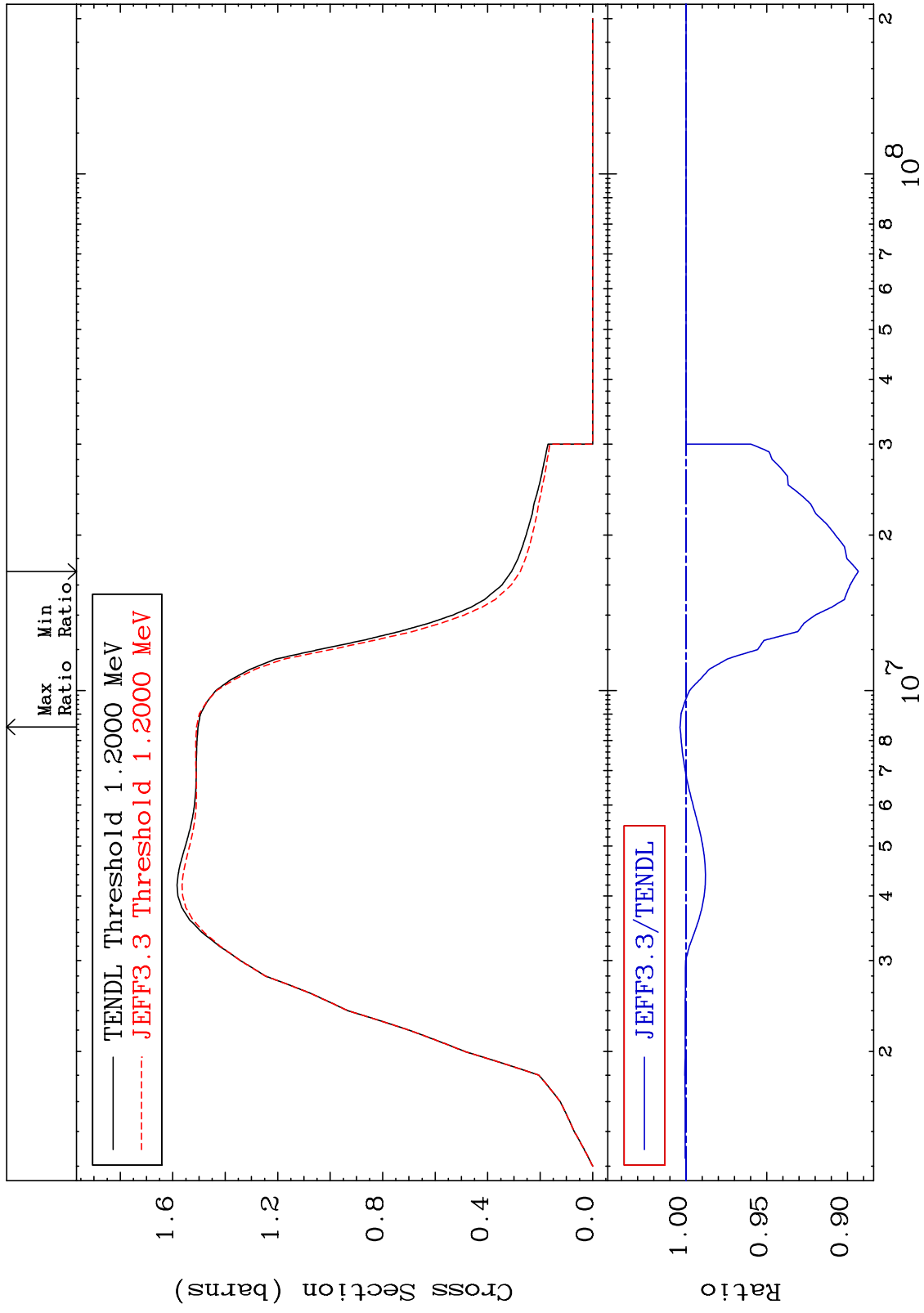
38-Sr-87

MAT 3834

38-Sr-87

Inelastic:38-Sr-87g

Radionuclide Production Cross Section -10.68 To 0.368 %



77

Incident Energy (eV)

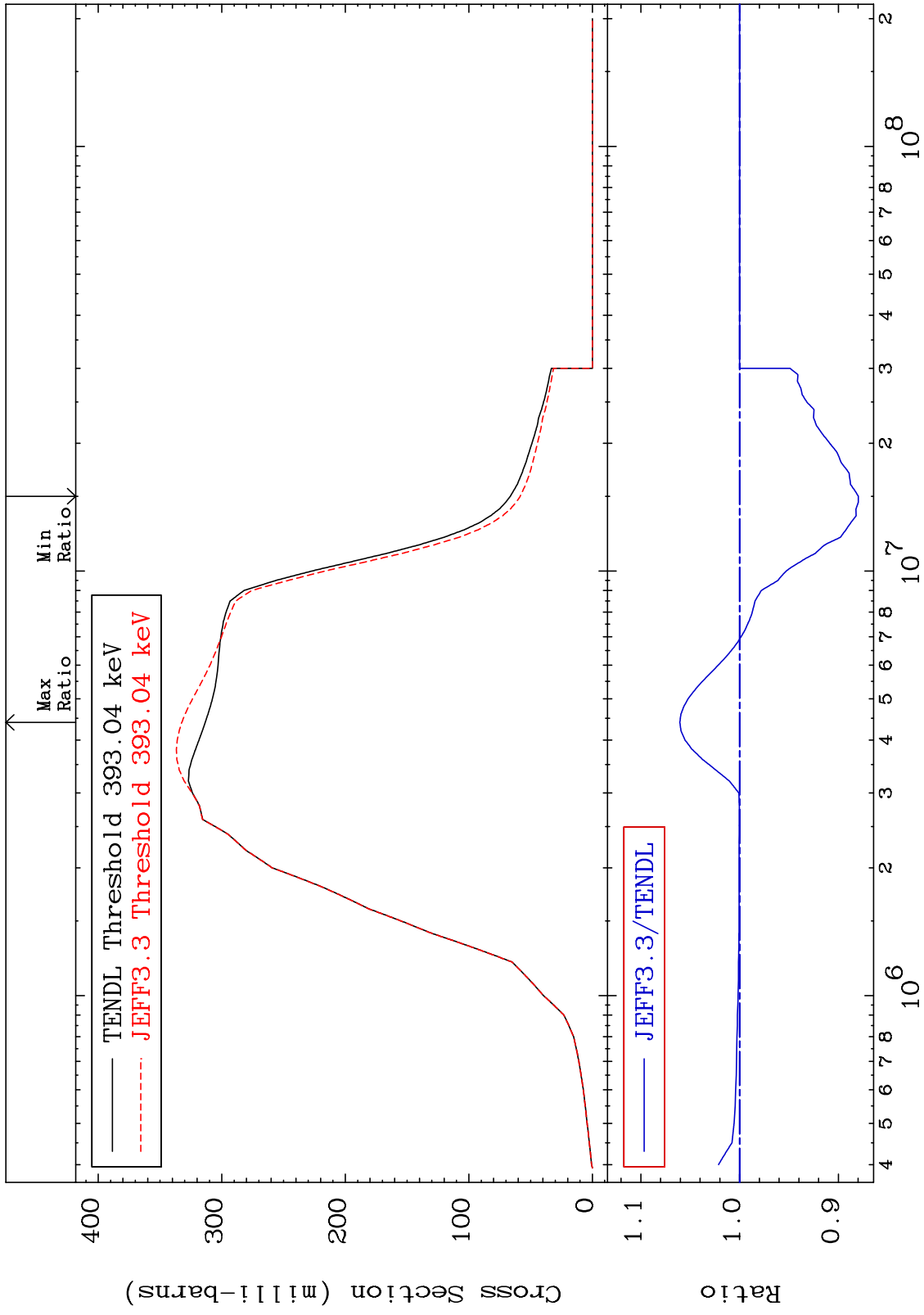
38-Sr-87

MAT 3834

Inelastic:38-Sr-87m1

38-Sr-87

Radionuclide Production Cross Section -12.02 To 6.059 %



78

Incident Energy (eV)

38-Sr-87

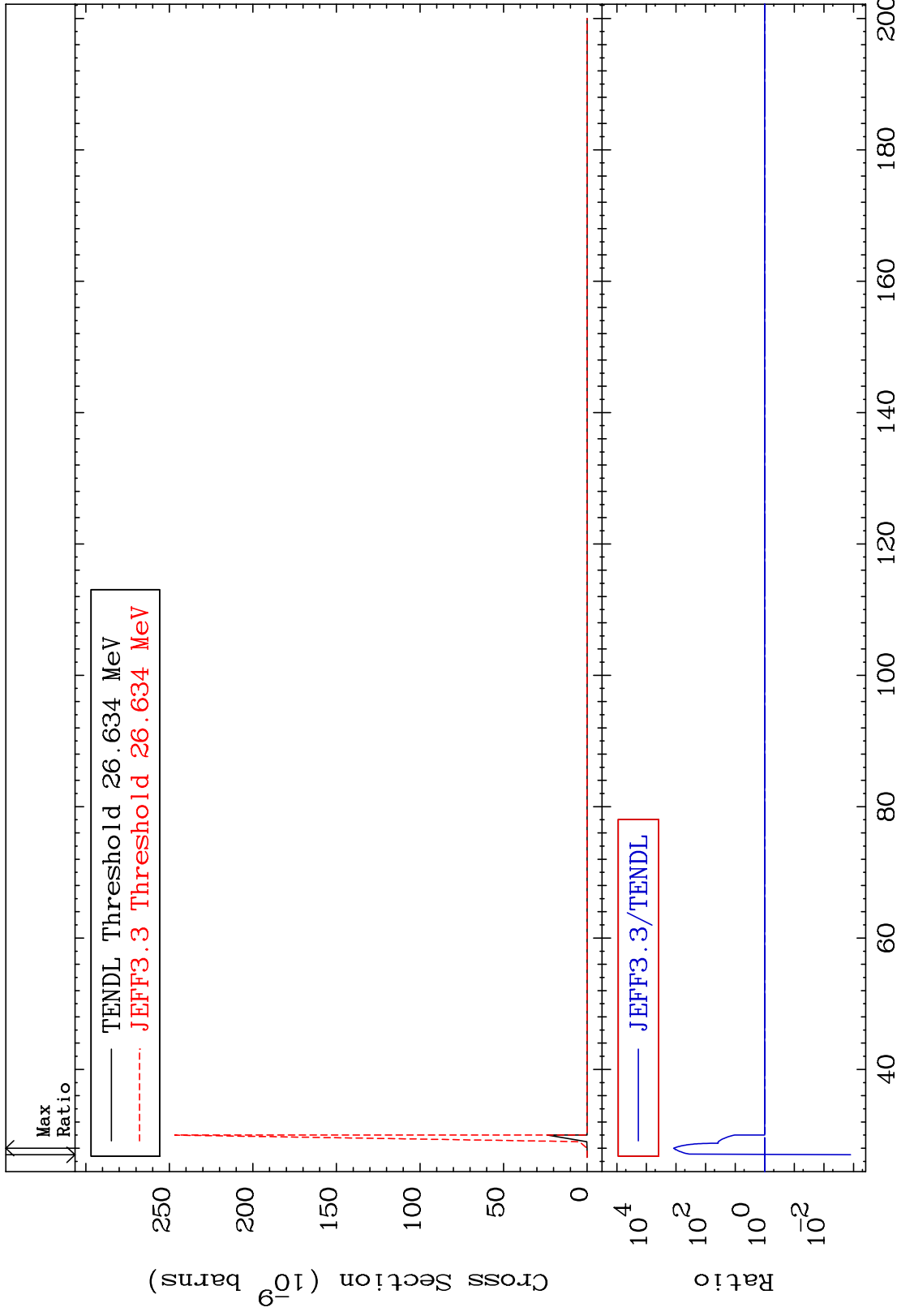
MAT 3834

(n,2n) d:37-Rb-84g

38-Sr-87

Radionuclide Production Cross Section

-99.87 To 9999. %

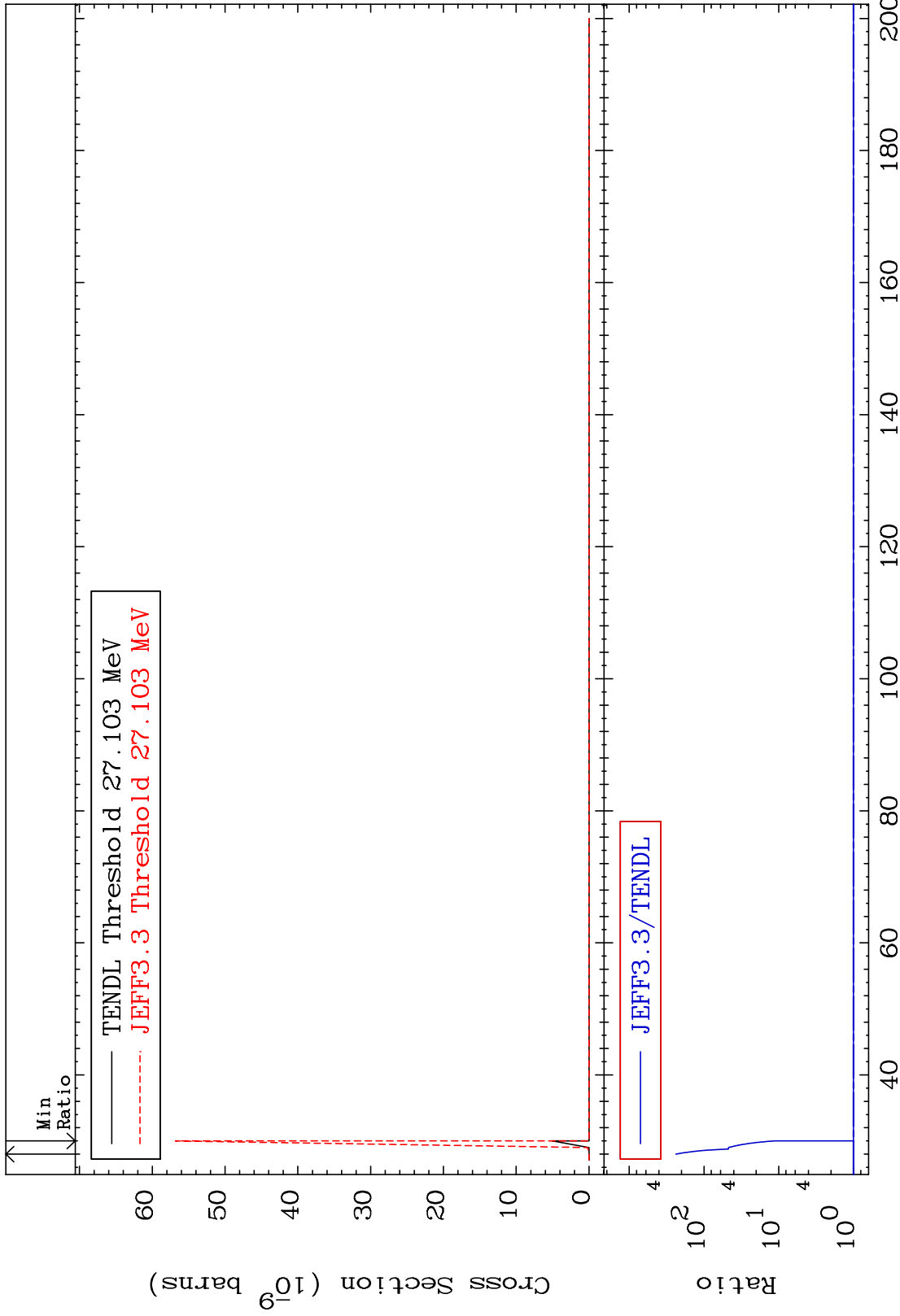


MAT 3834

(n,2n) d:37-Rb-84m2

38-Sr-87

Radionuclide Production Cross Section 0.000 To 9999. %



80

Incident Energy (MeV)

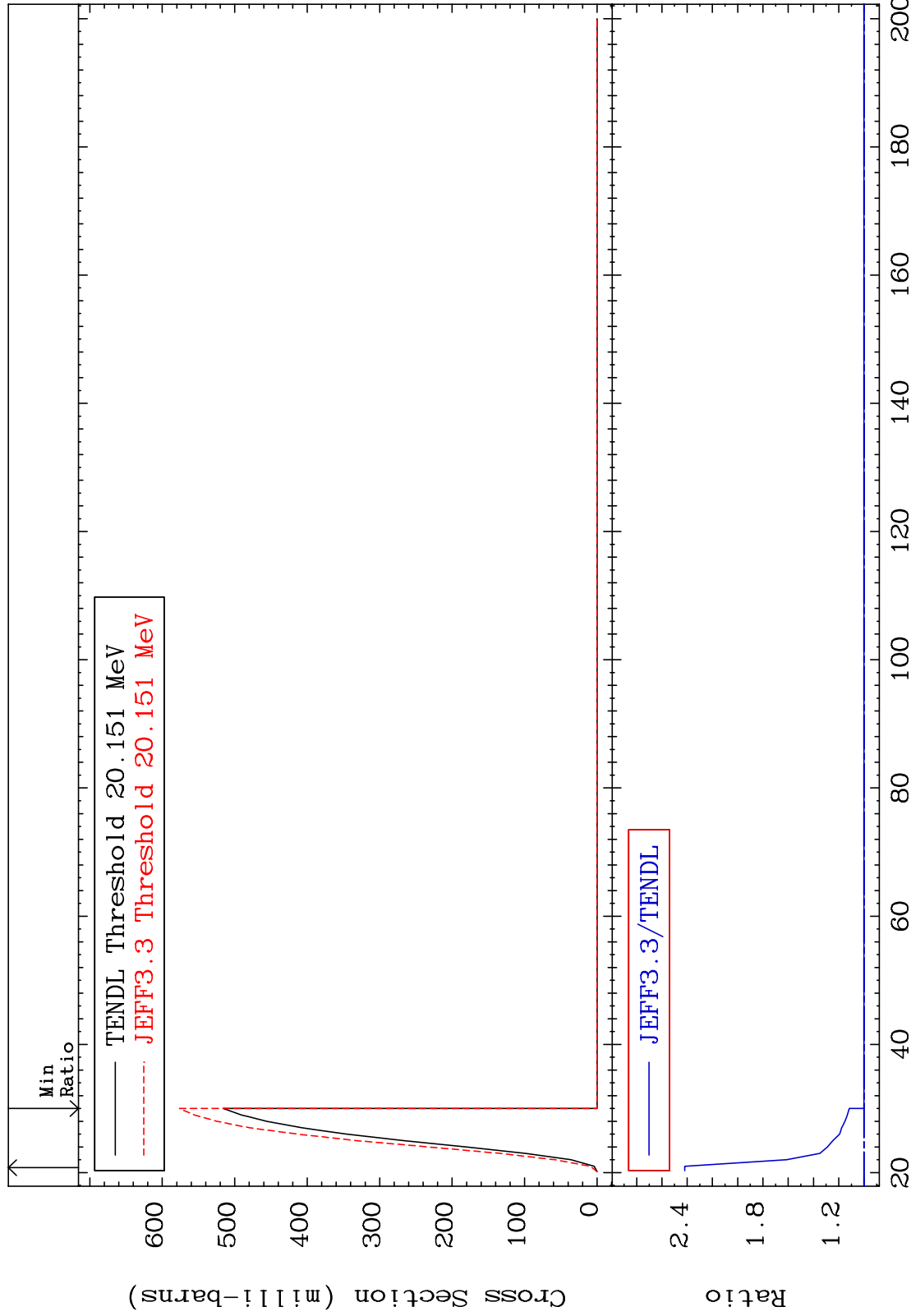
38-Sr-87

MAT 3834

(n,3n):38-Sr-85g

38-Sr-87

Radionuclide Production Cross Section 0.000 To 141.9 %



81

Incident Energy (MeV)

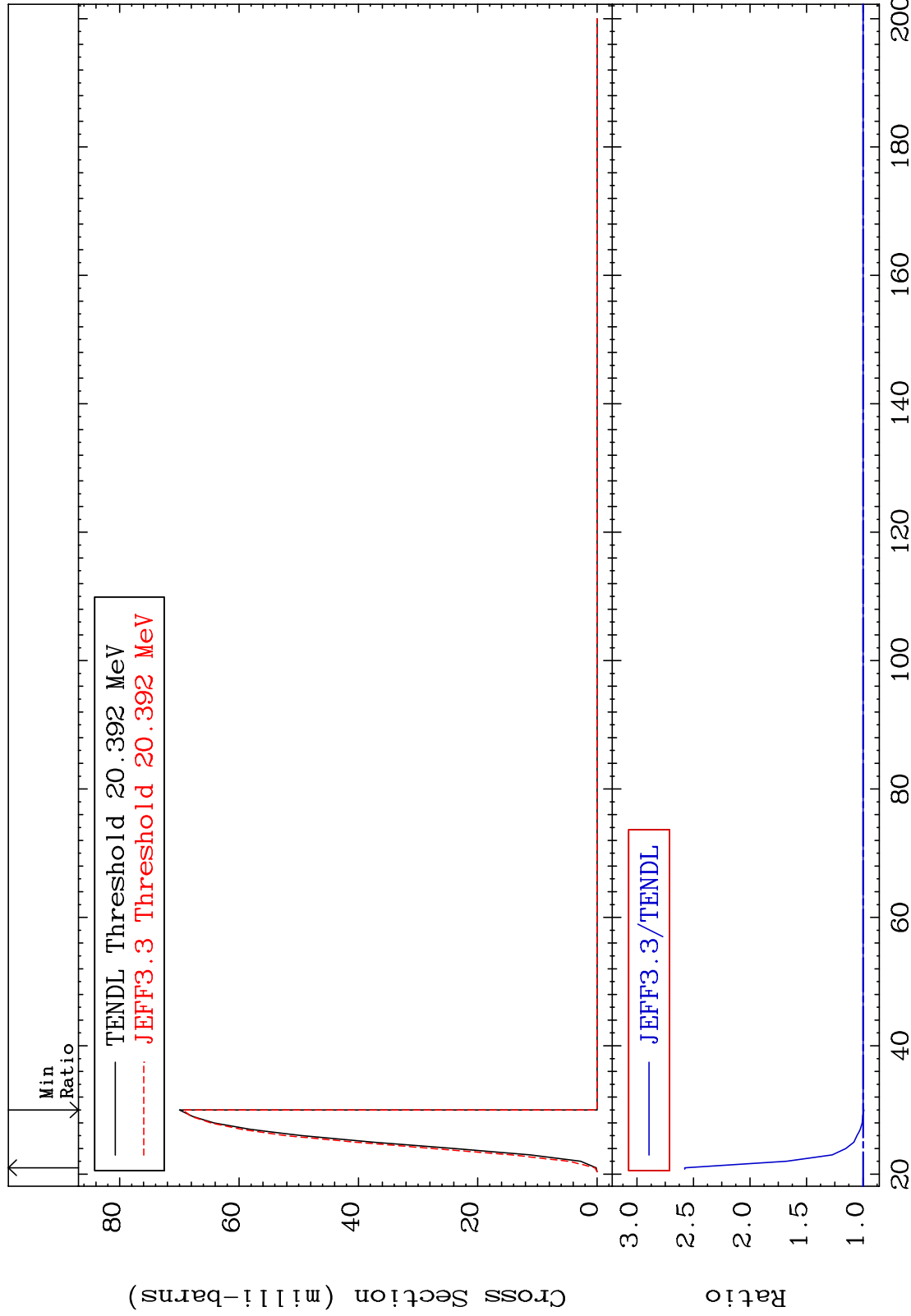
38-Sr-87

MAT 3834

(n,3n):38-Sr-85m2

38-Sr-87

Radionuclide Production Cross Section -0.832 To 157.7 %



82

Incident Energy (MeV)

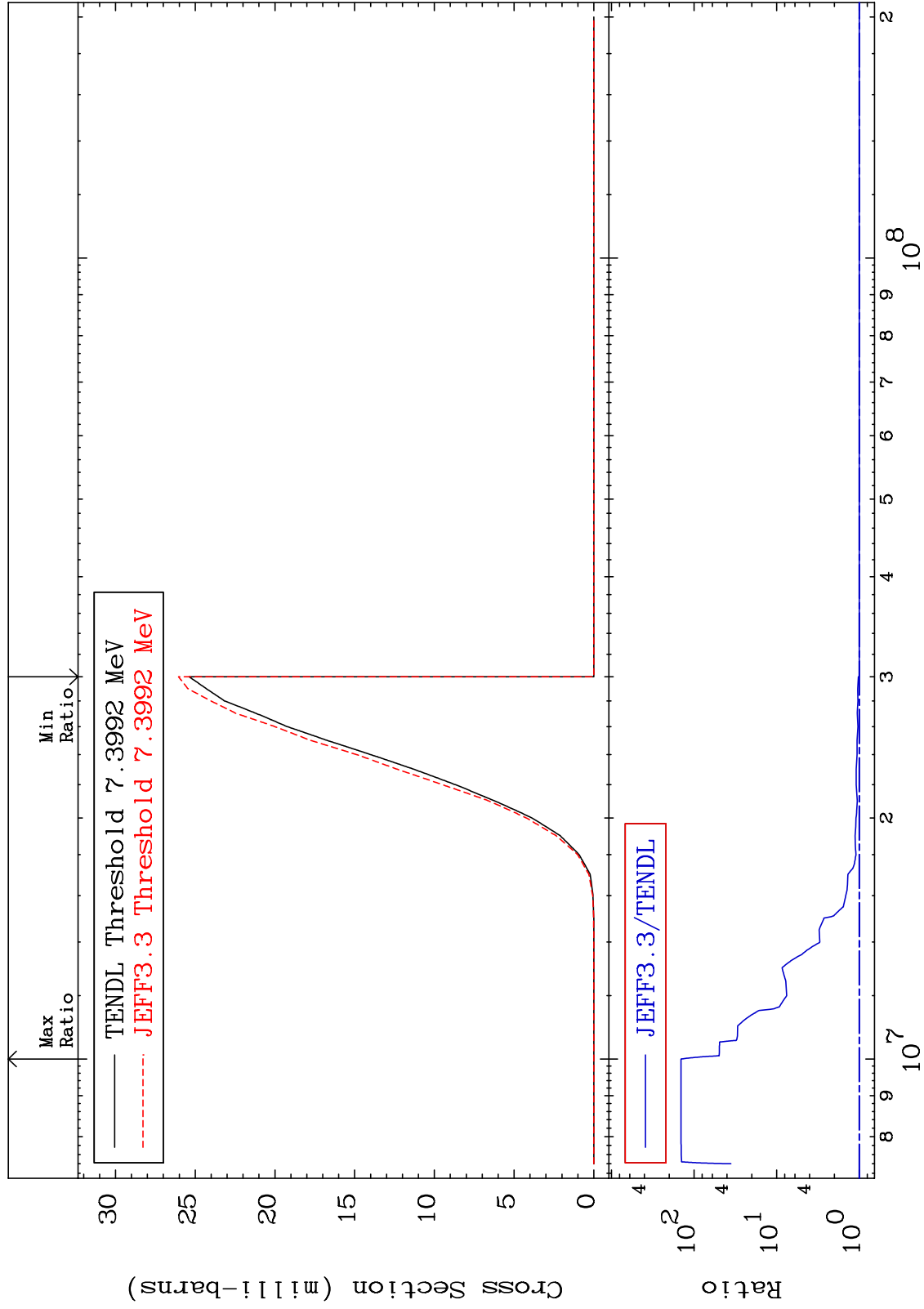
38-Sr-87

MAT 3834

(n, n') α : 36-Kr-83g

38-Sr-87

Radionuclide Production Cross Section 0.000 To 9999. %



83

Incident Energy (eV)

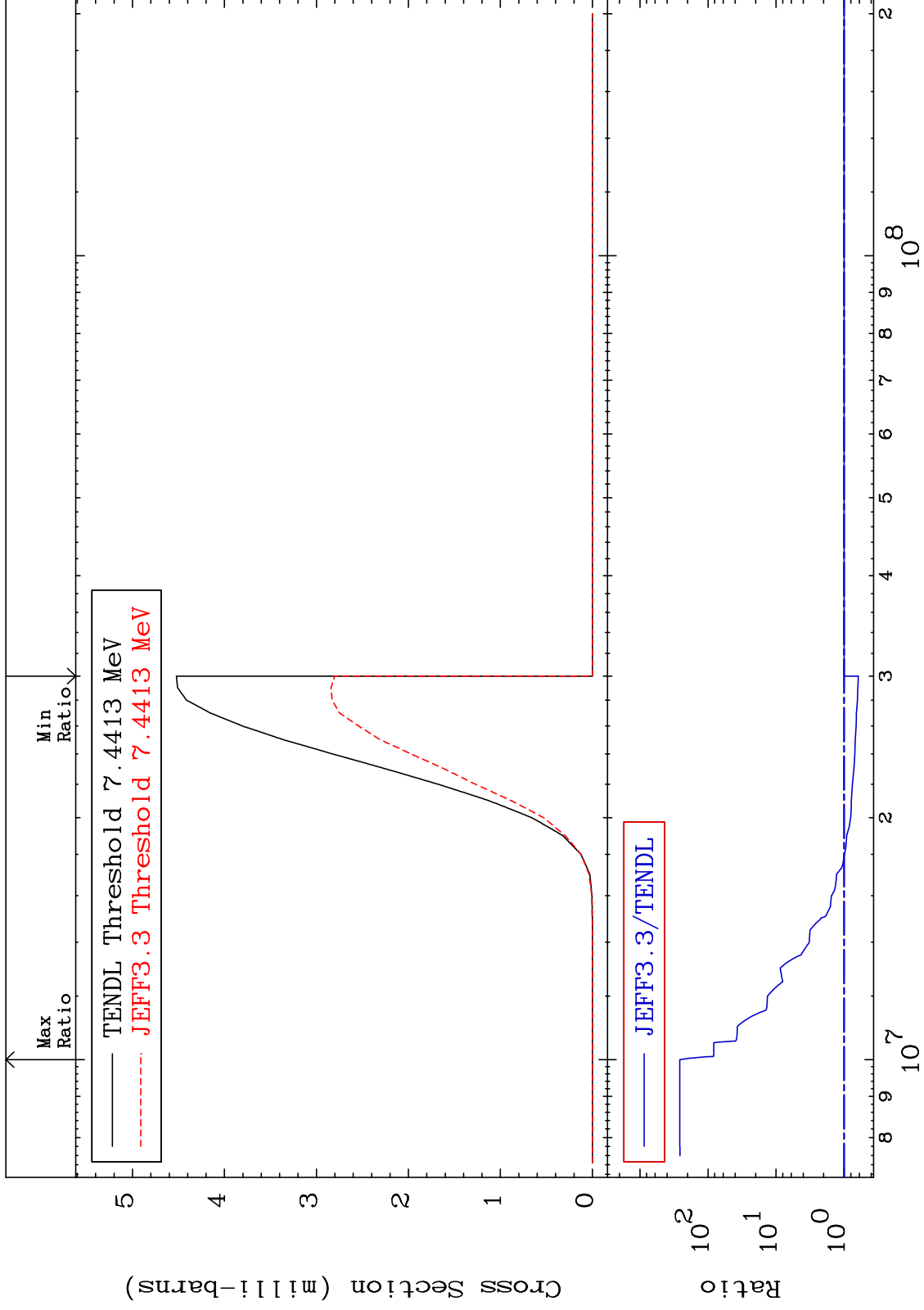
38-Sr-87

MAT 3834

(n, n') α :36-Kr-83m2

38-Sr-87

Radionuclide Production Cross Section -38.05 To 9999. %

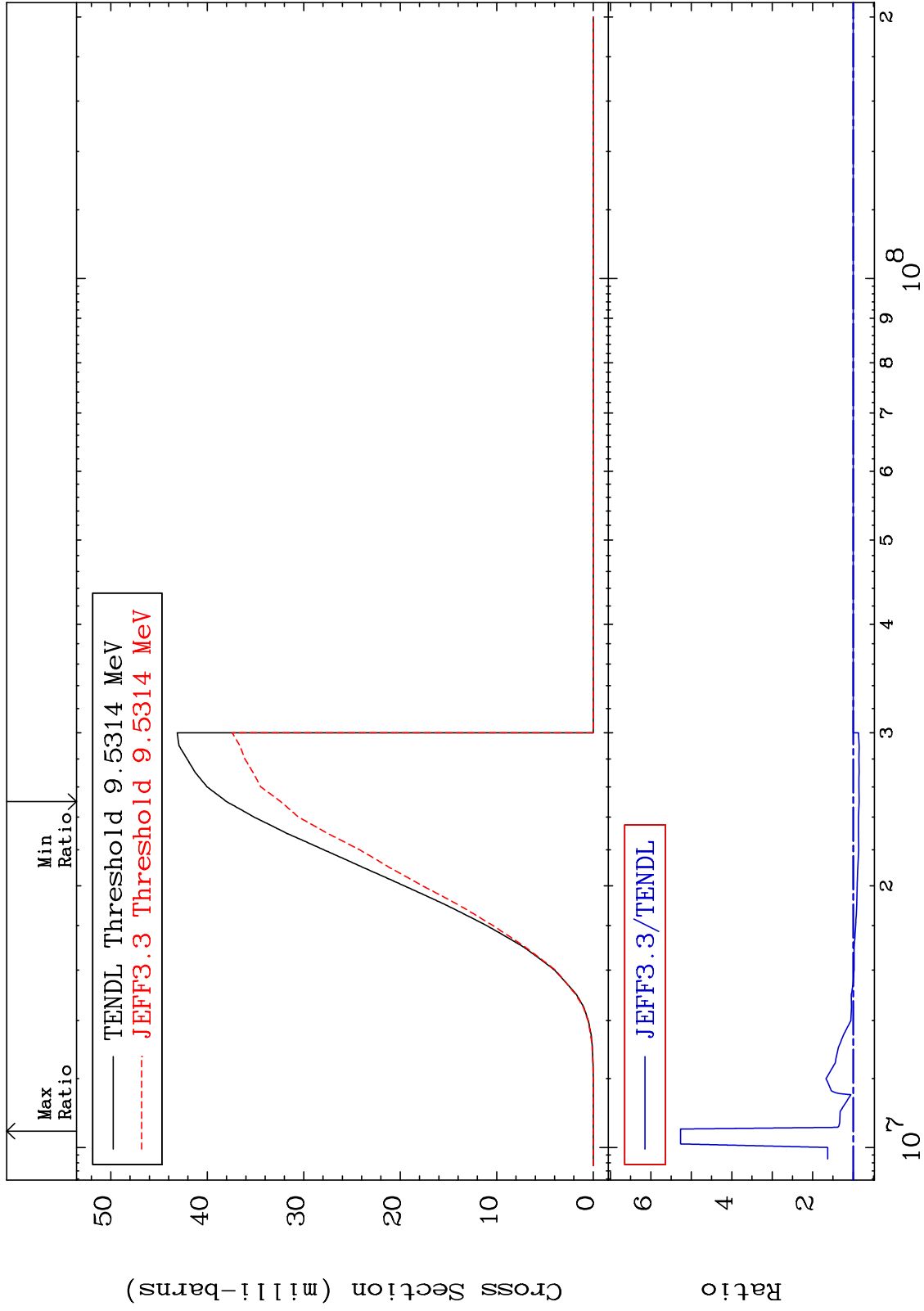


MAT 3834

(n, n') p:37-Rb-86g

38-Sr-87

Radionuclide Production Cross Section -14.77 To 426.5 %



85

Incident Energy (eV)

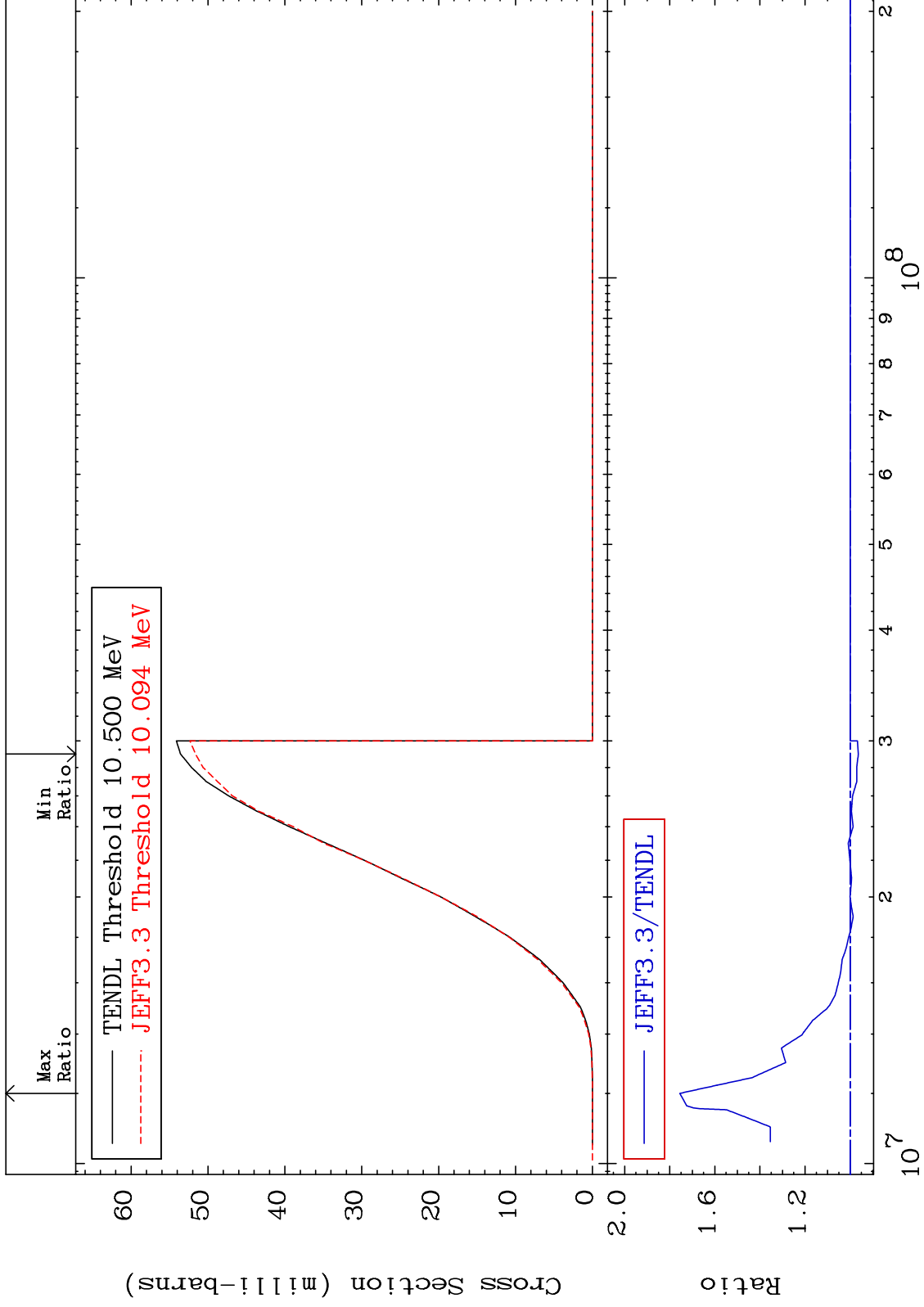
38-Sr-87

MAT 3834

(n, n') p:37-Rb-86m2

38-Sr-87

Radionuclide Production Cross Section -3.632 To 75.54 %



86

Incident Energy (eV)

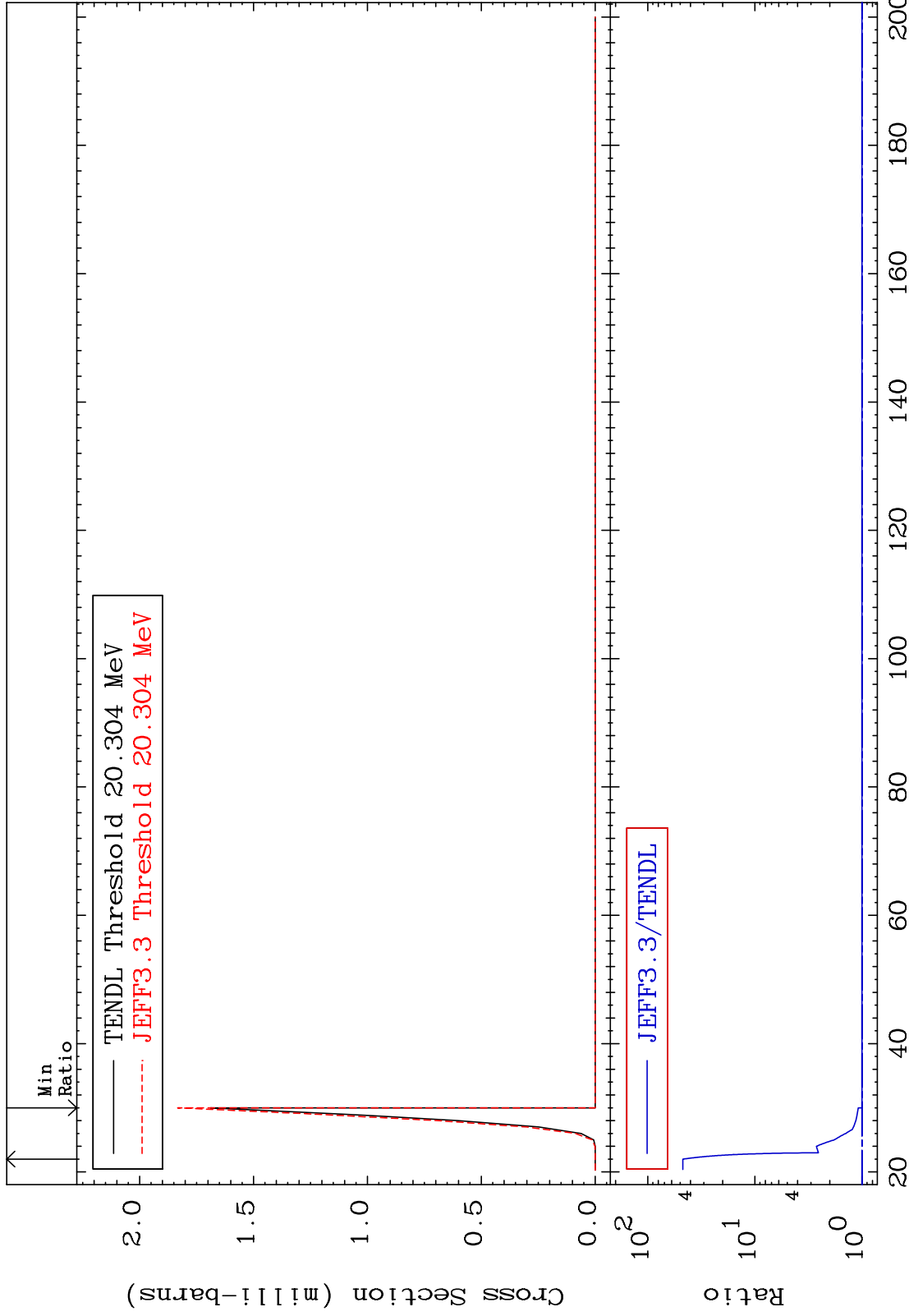
38-Sr-87

MAT 3834

(n, n') t: 37-Rb-84g

38-Sr-87

Radionuclide Production Cross Section 0.000 To 4611. %



87

Incident Energy (MeV)

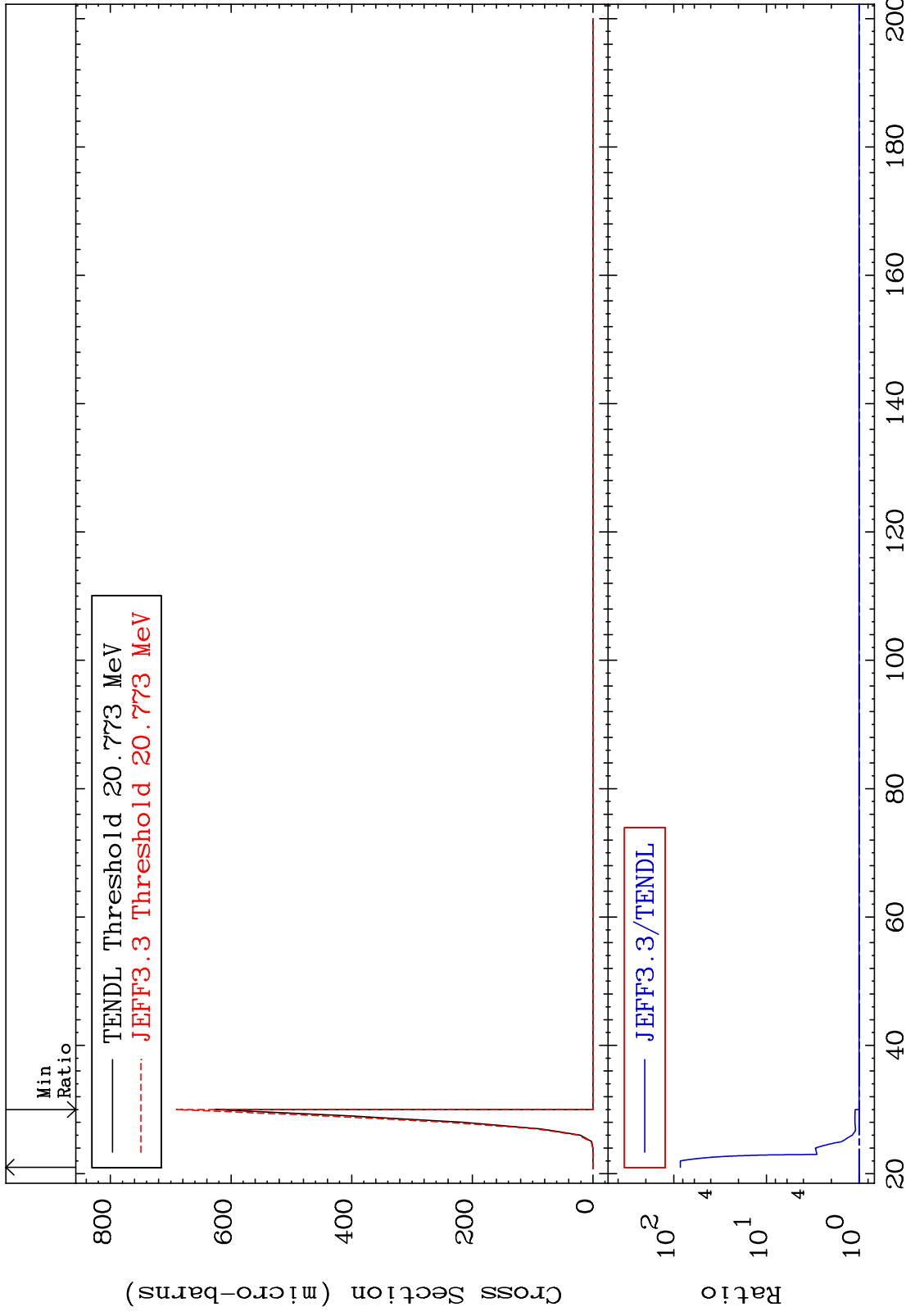
38-Sr-87

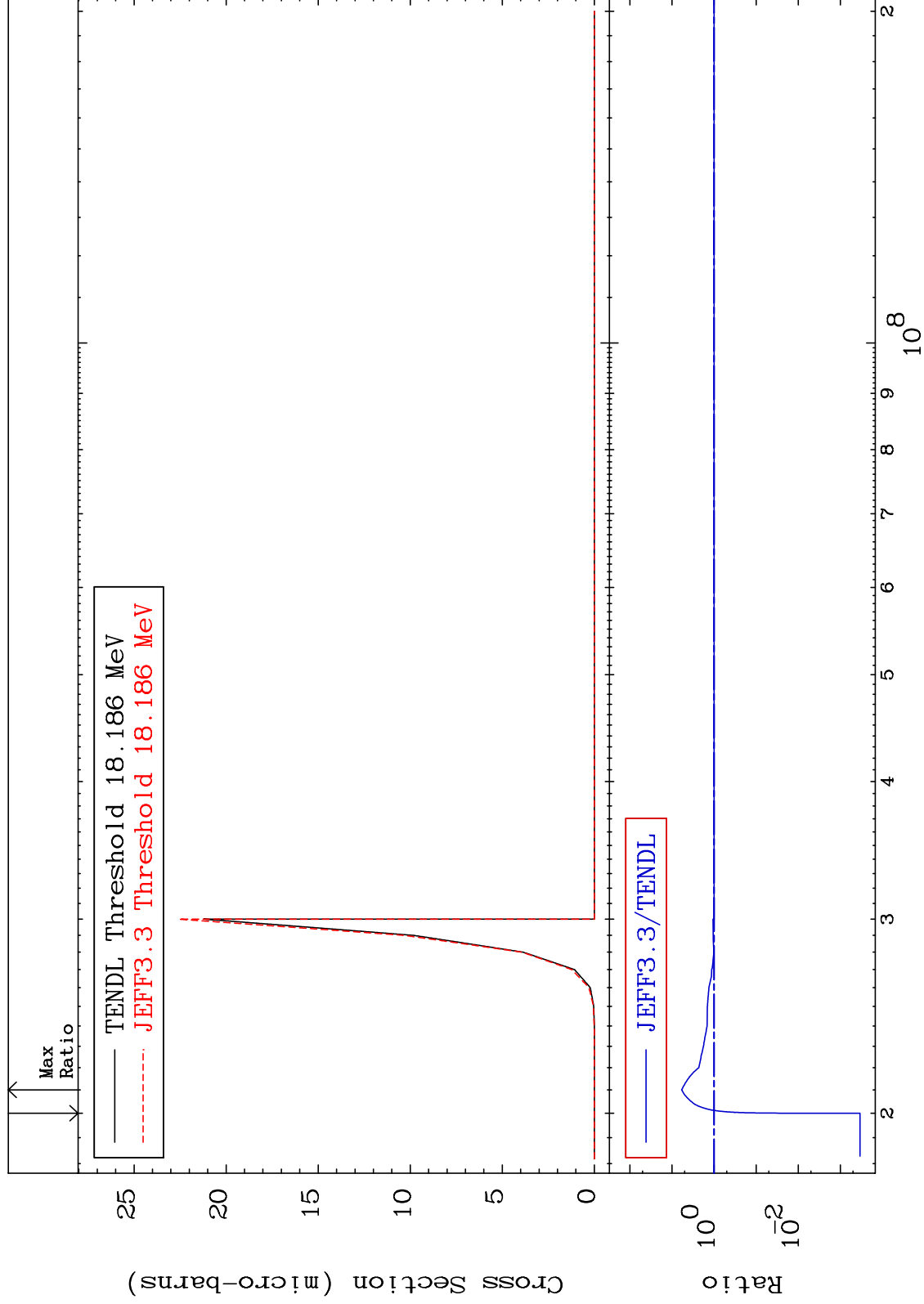
MAT 3834

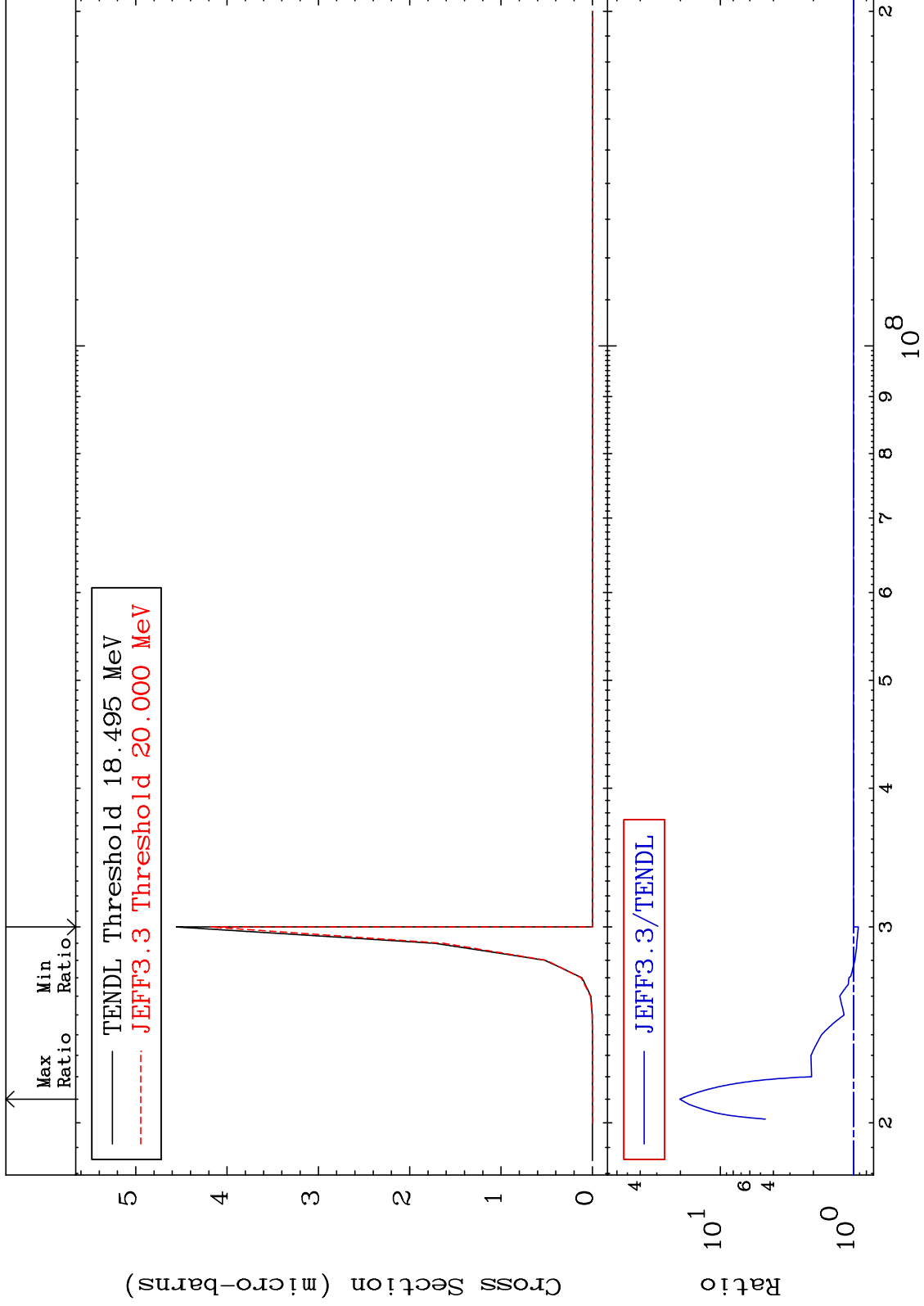
(n, n') t:37-Rb-84m2

38-Sr-87

Radionuclide Production Cross Section 0.000 To 8378. %





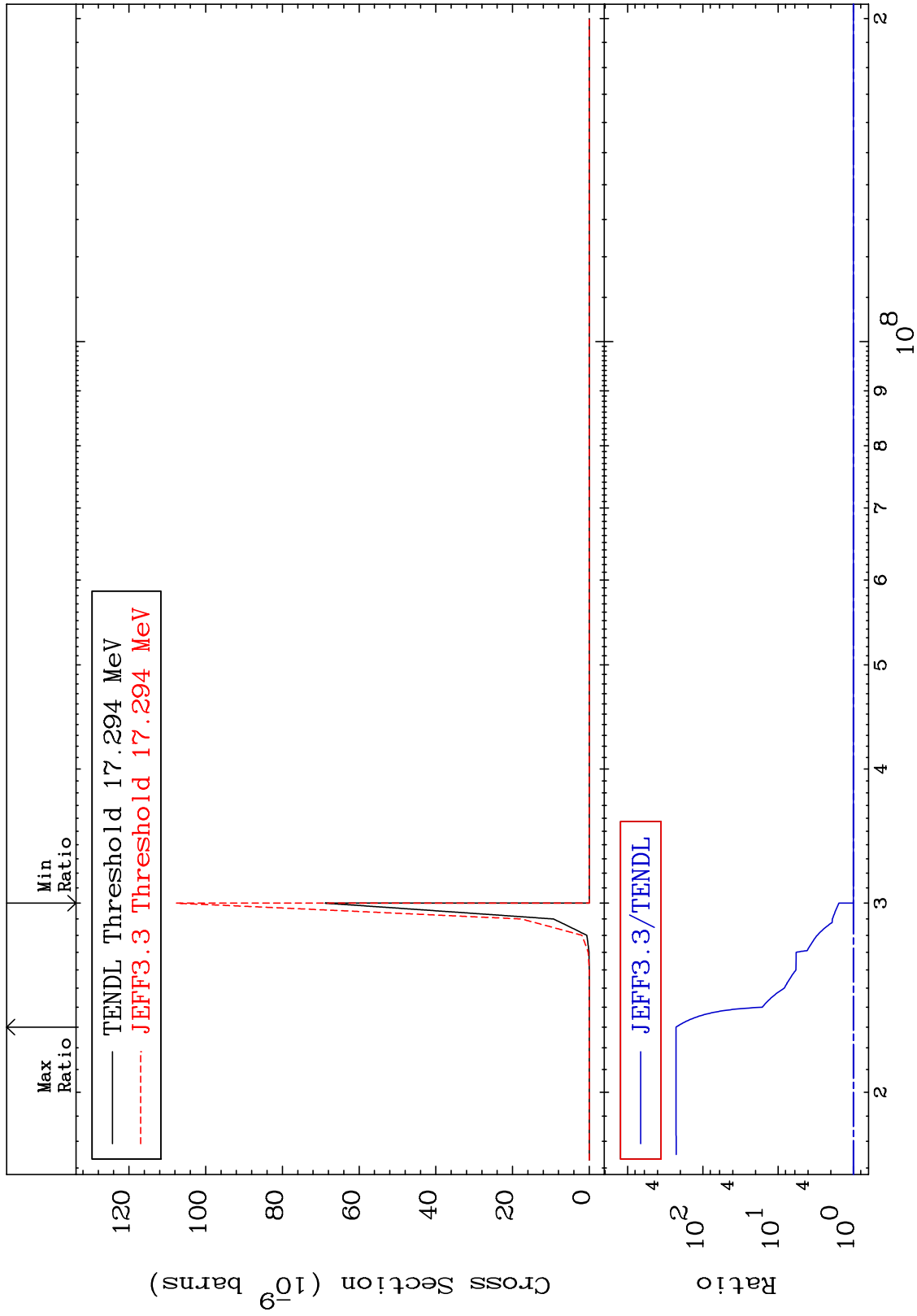


MAT 3834

(n, n') p α : 35-Br-82g

38-Sr-87

Radionuclide Production Cross Section 0.000 To 9999. %



91

Incident Energy (eV)

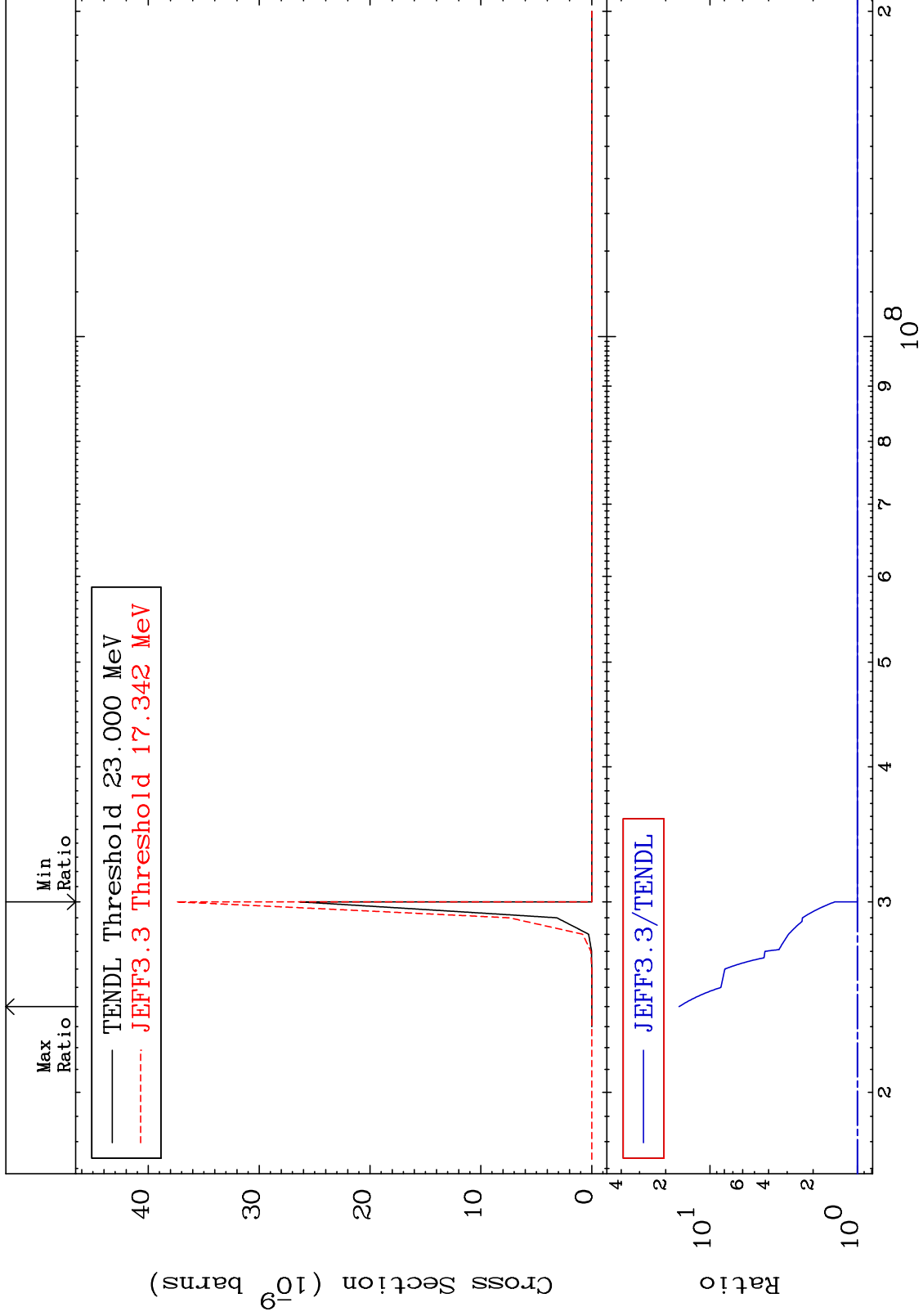
38-Sr-87

MAT 3834

(n, n') p α :35-Br-82m1

38-Sr-87

Radionuclide Production Cross Section 0.000 To 1520. %



92

Incident Energy (eV)

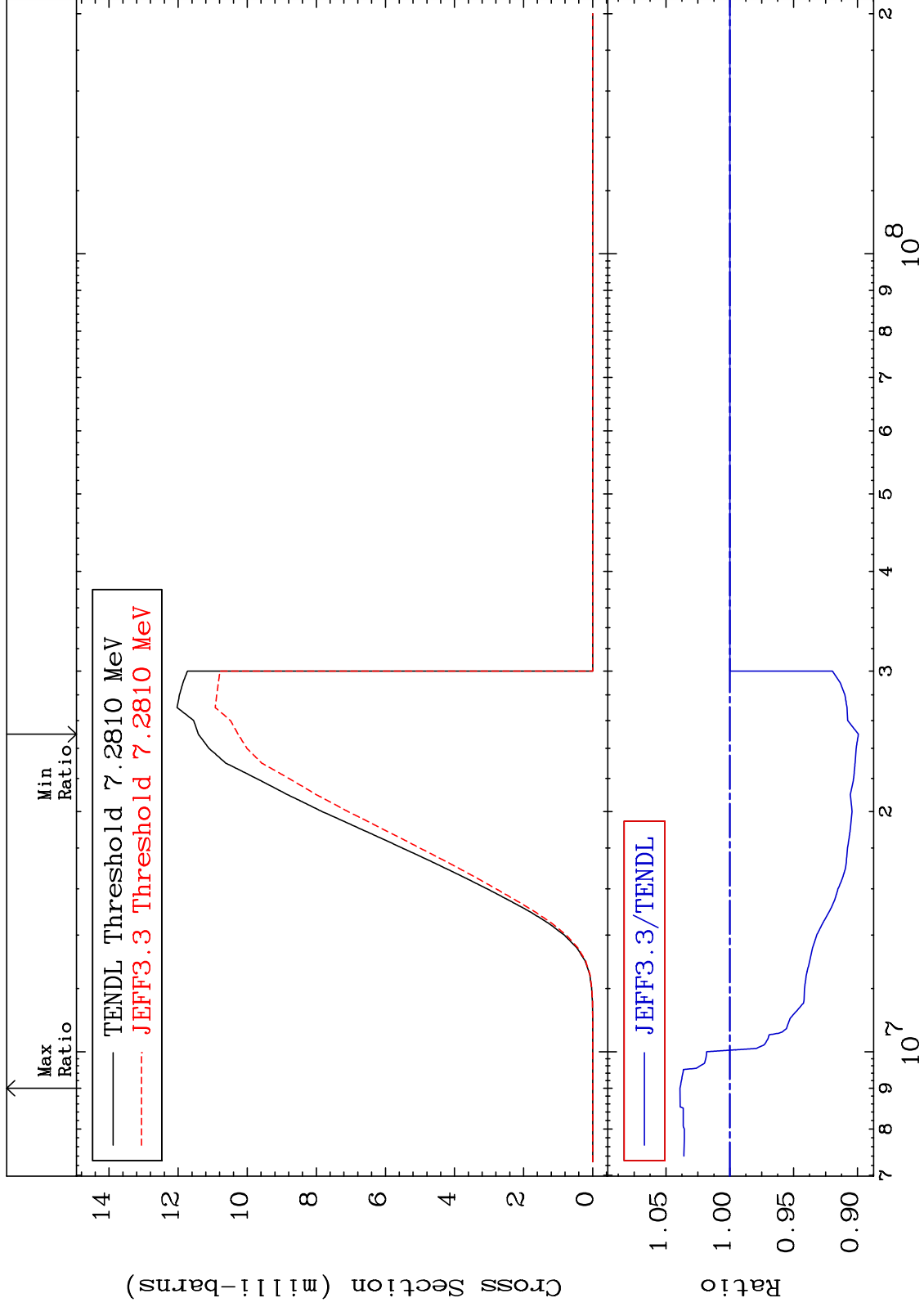
38-Sr-87

MAT 3834

(n, d) : 37-Rb-86g

38-Sr-87

Radionuclide Production Cross Section -10.07 To 3.903 %



93

Incident Energy (eV)

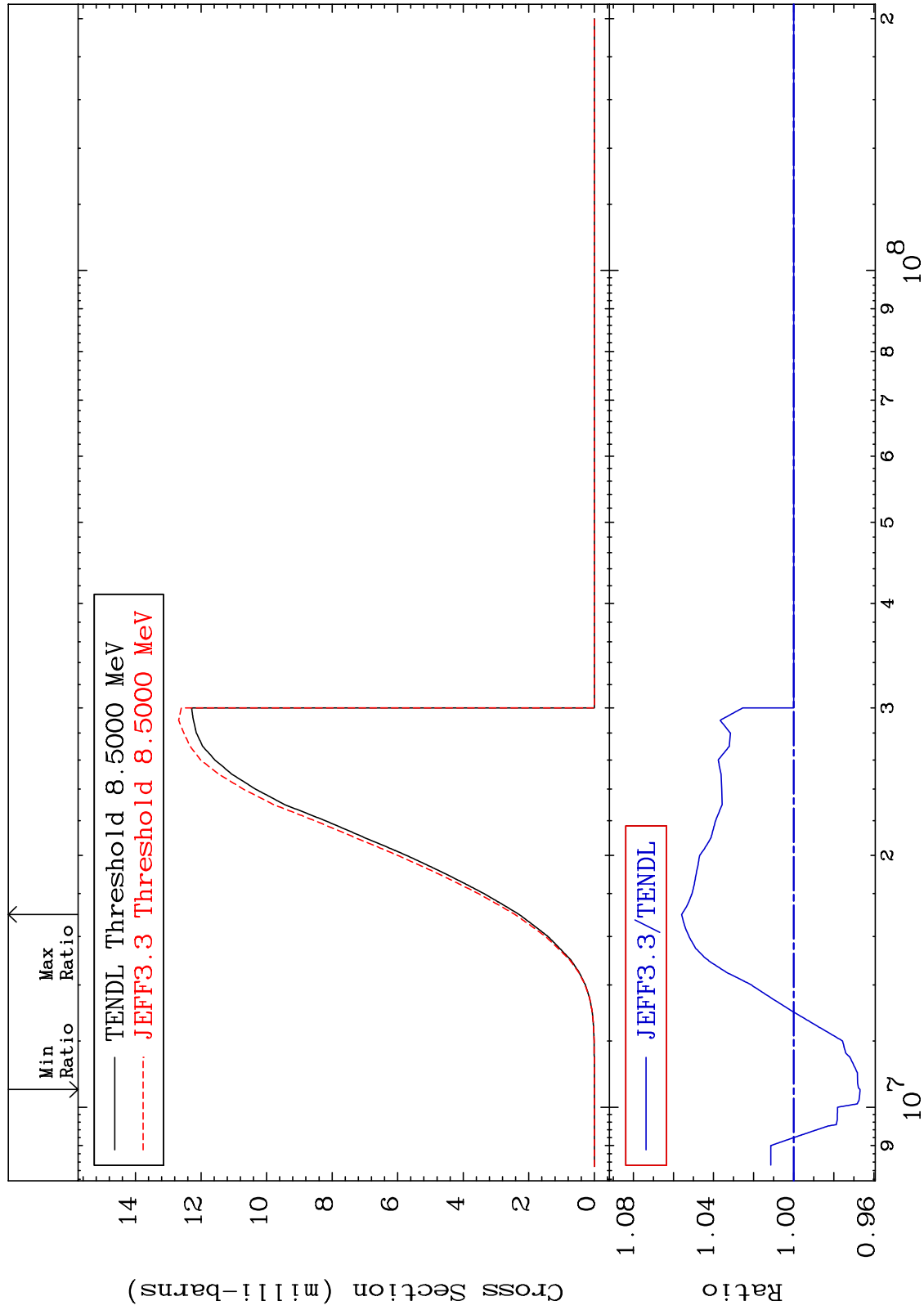
38-Sr-87

MAT 3834

(n, d): 37-Rb-86m2

38-Sr-87

Radionuclide Production Cross Section -3.308 To 5.589 %



94

Incident Energy (eV)

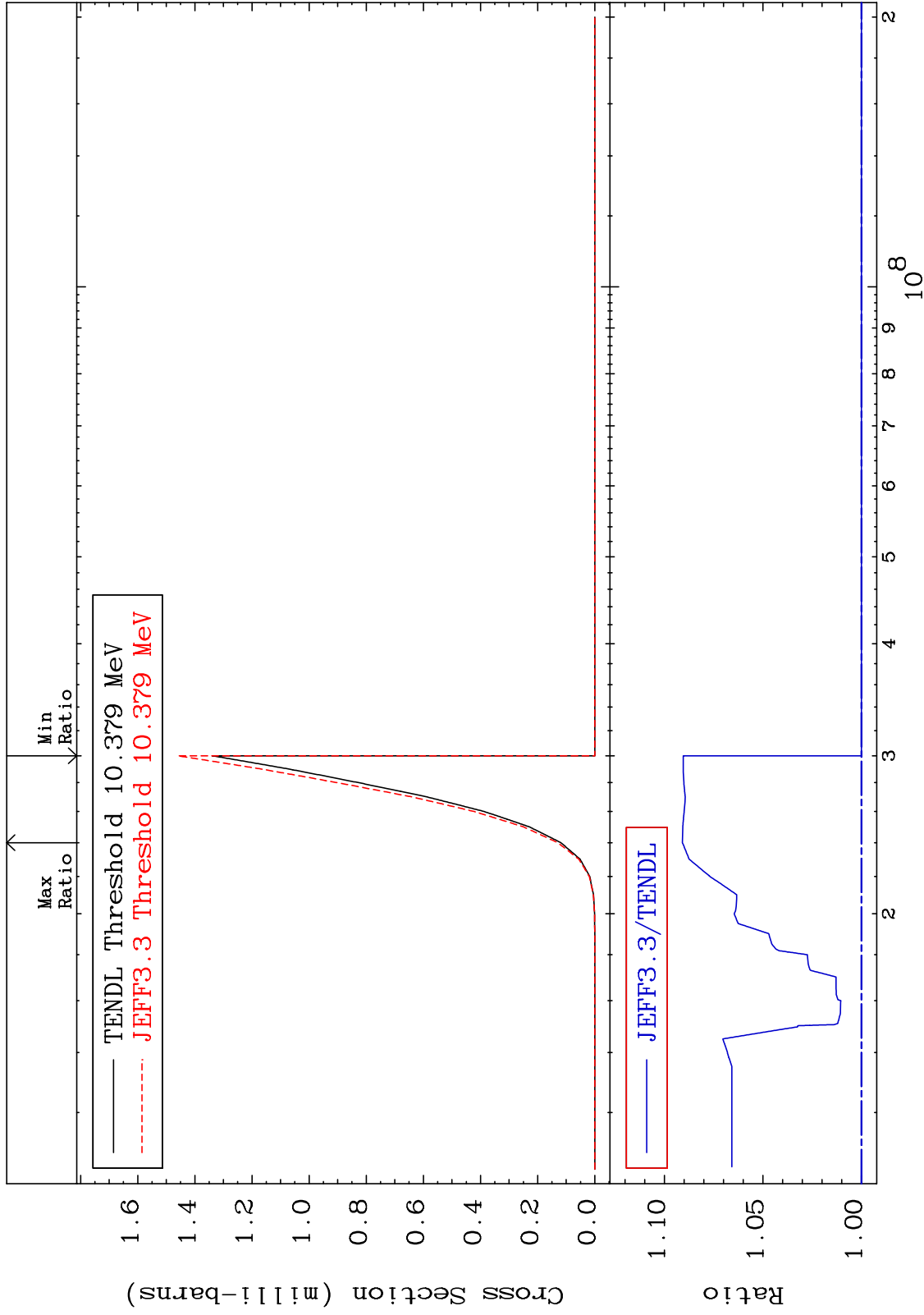
38-Sr-87

MAT 3834

(n, He-3) : 36-Kr-85g

38-Sr-87

Radionuclide Production Cross Section 0.000 To 9.089 %

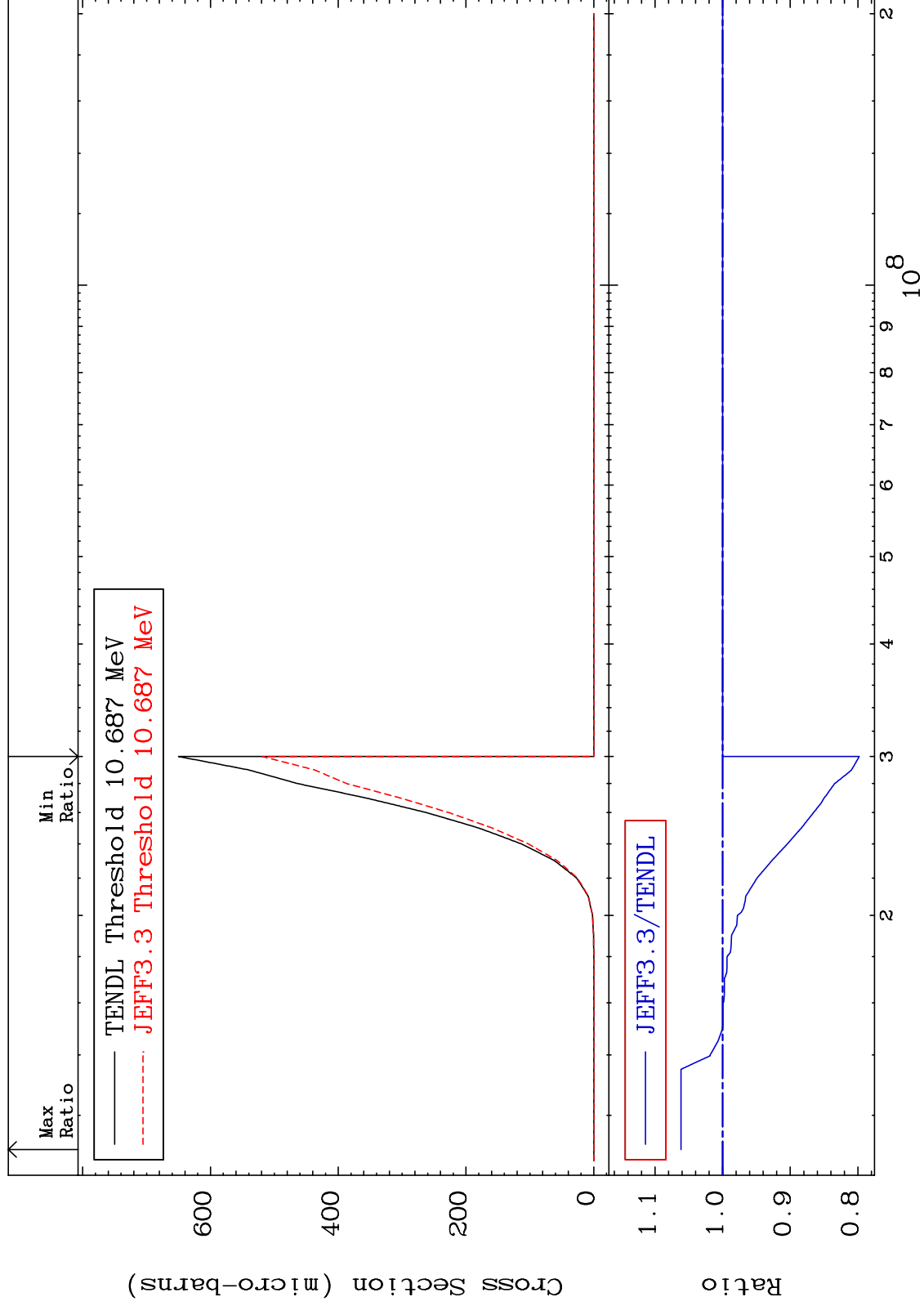


MAT 3834

(n,He-3):36-Kr-85m1

38-Sr-87

Radionuclide Production Cross Section -20.20 To 6.147 %

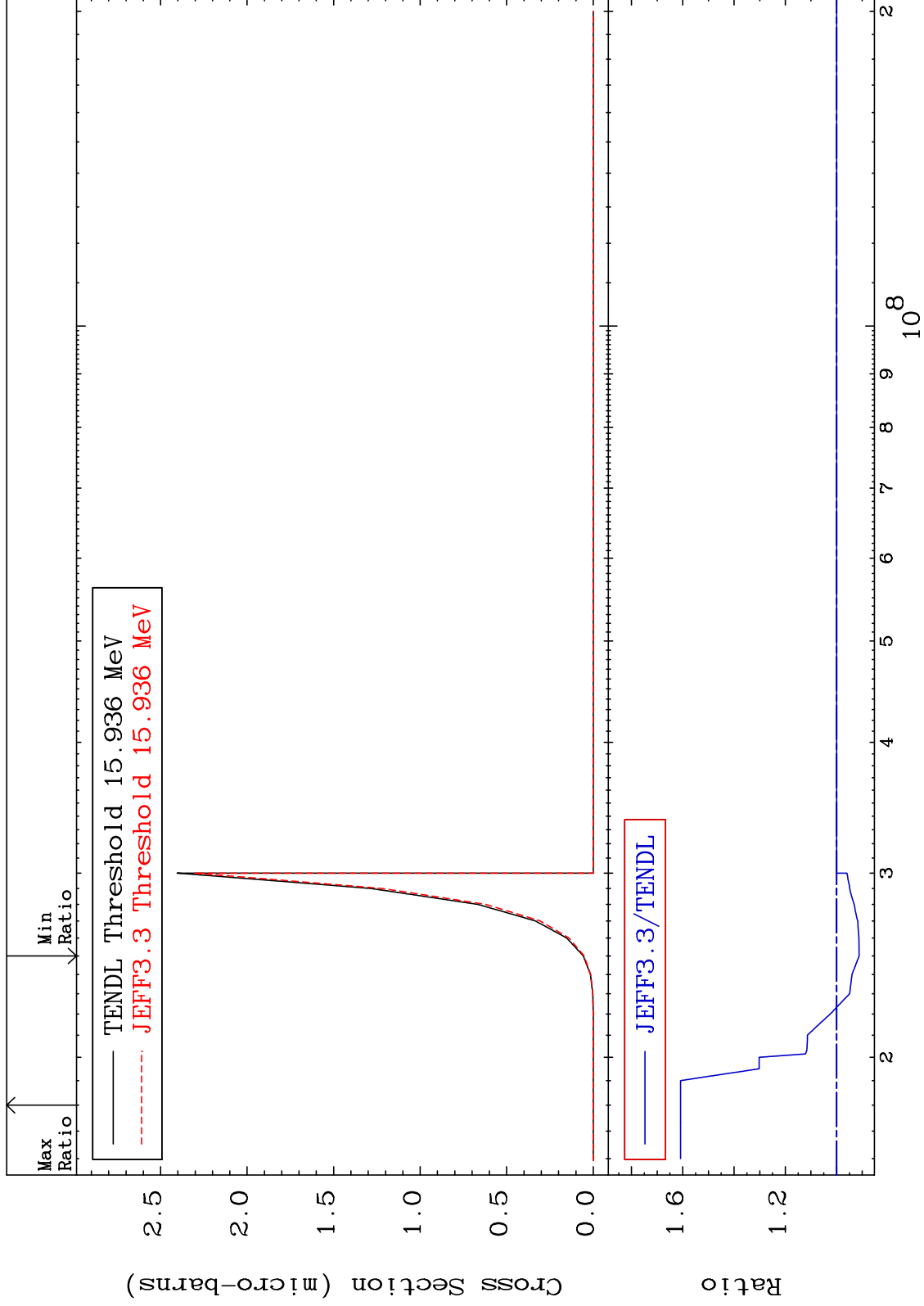


MAT 3834

(n, p) d:36-Kr-85g

38-Sr-87

Radionuclide Production Cross Section -8.805 To 60.84 %

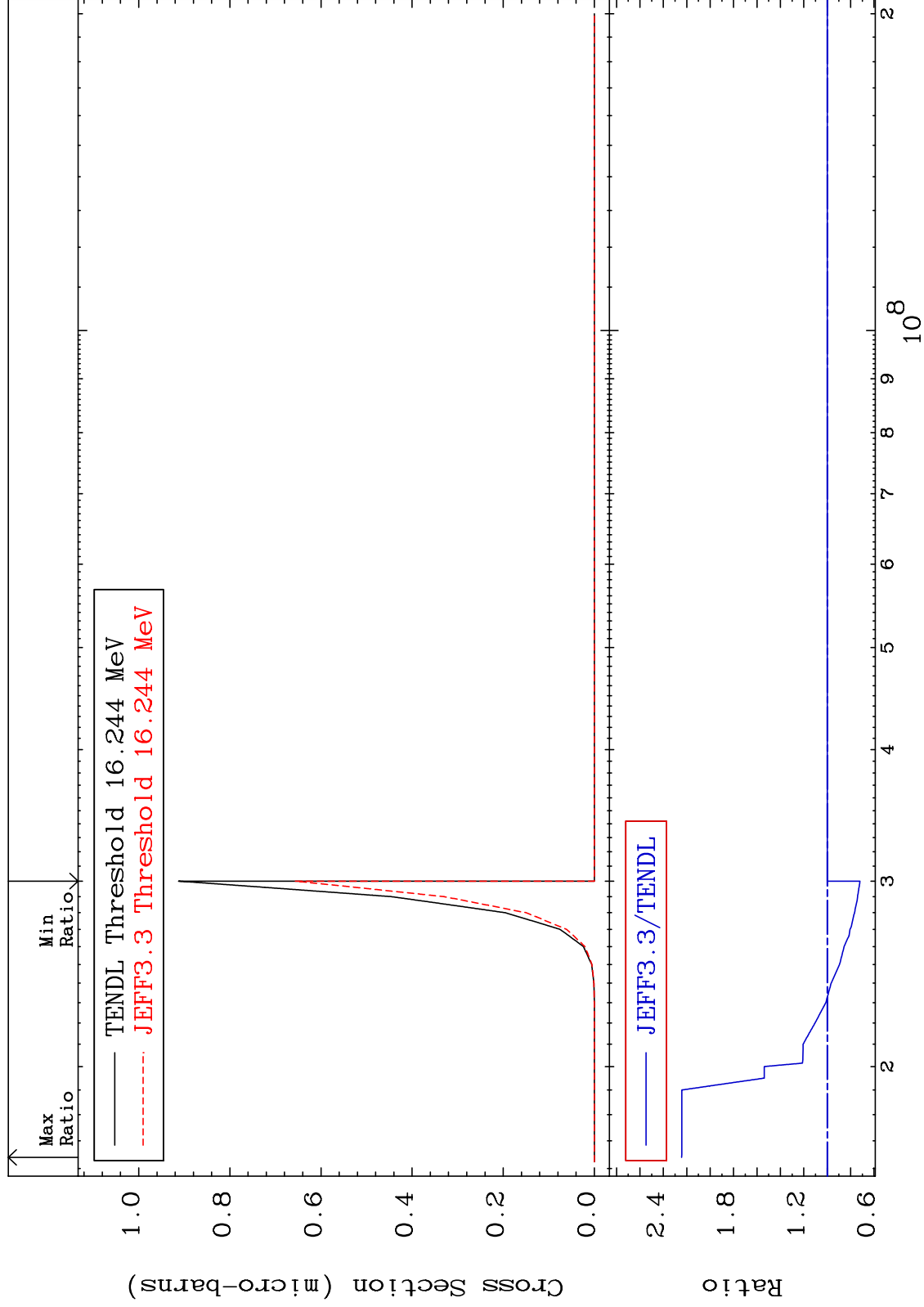


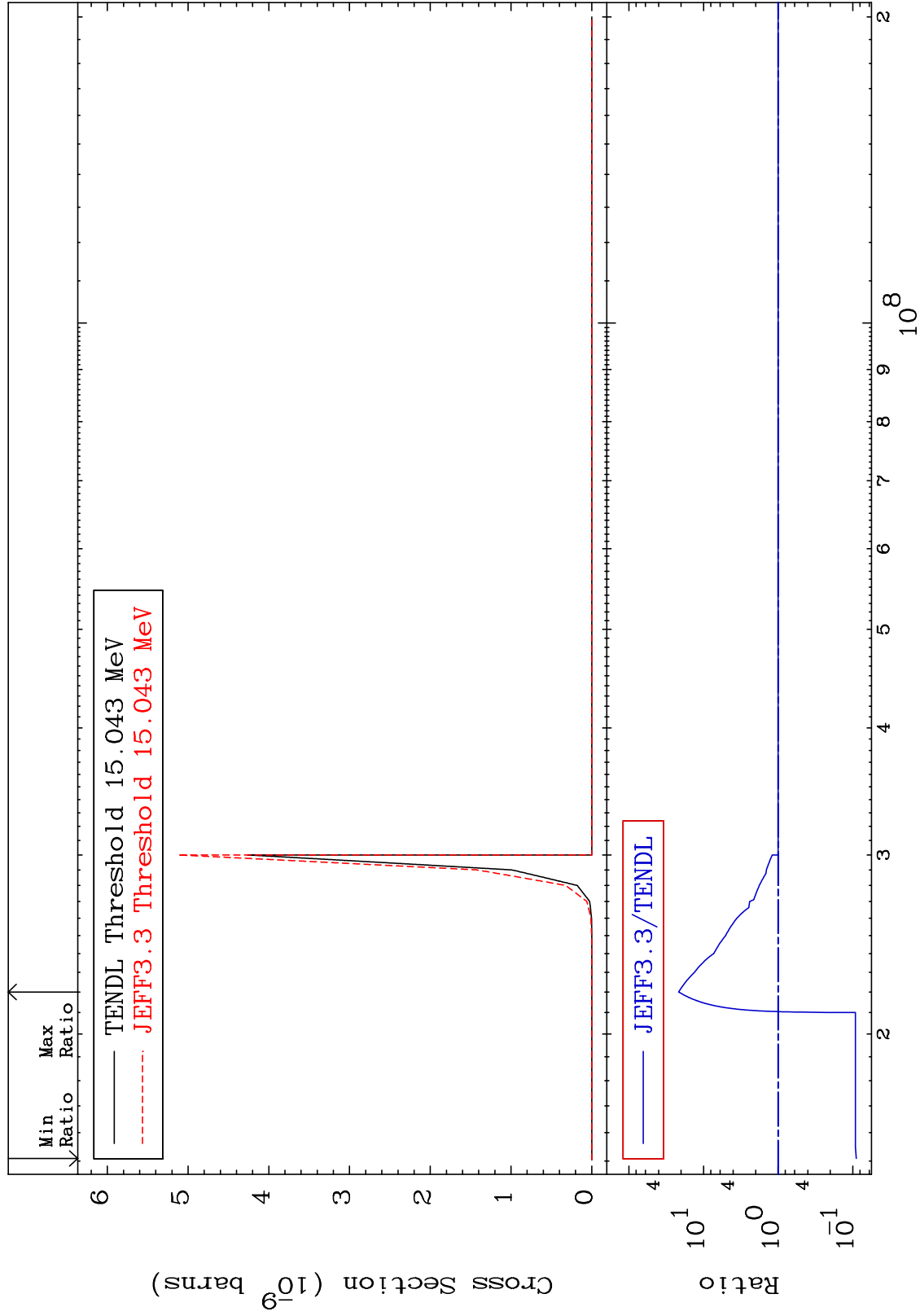
MAT 3834

(n, p) d:36-Kr-85m1

38-Sr-87

Radionuclide Production Cross Section -28.07 To 124.4 %



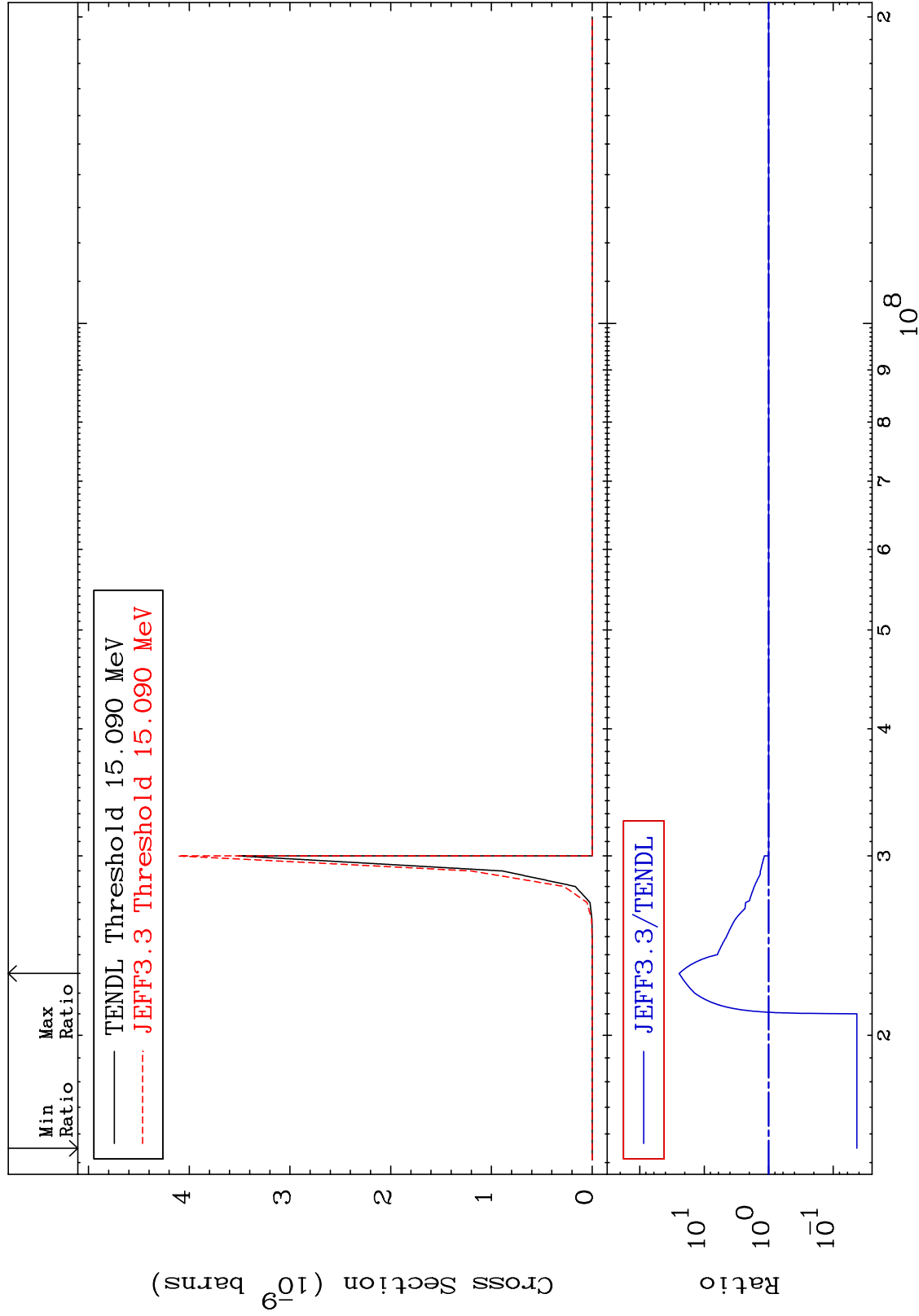


MAT 3834

(n, d) α : 35-Br-82m1

38-Sr-87

Radionuclide Production Cross Section -95.70 To 2344. %



100

Incident Energy (eV)

38-Sr-87