

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

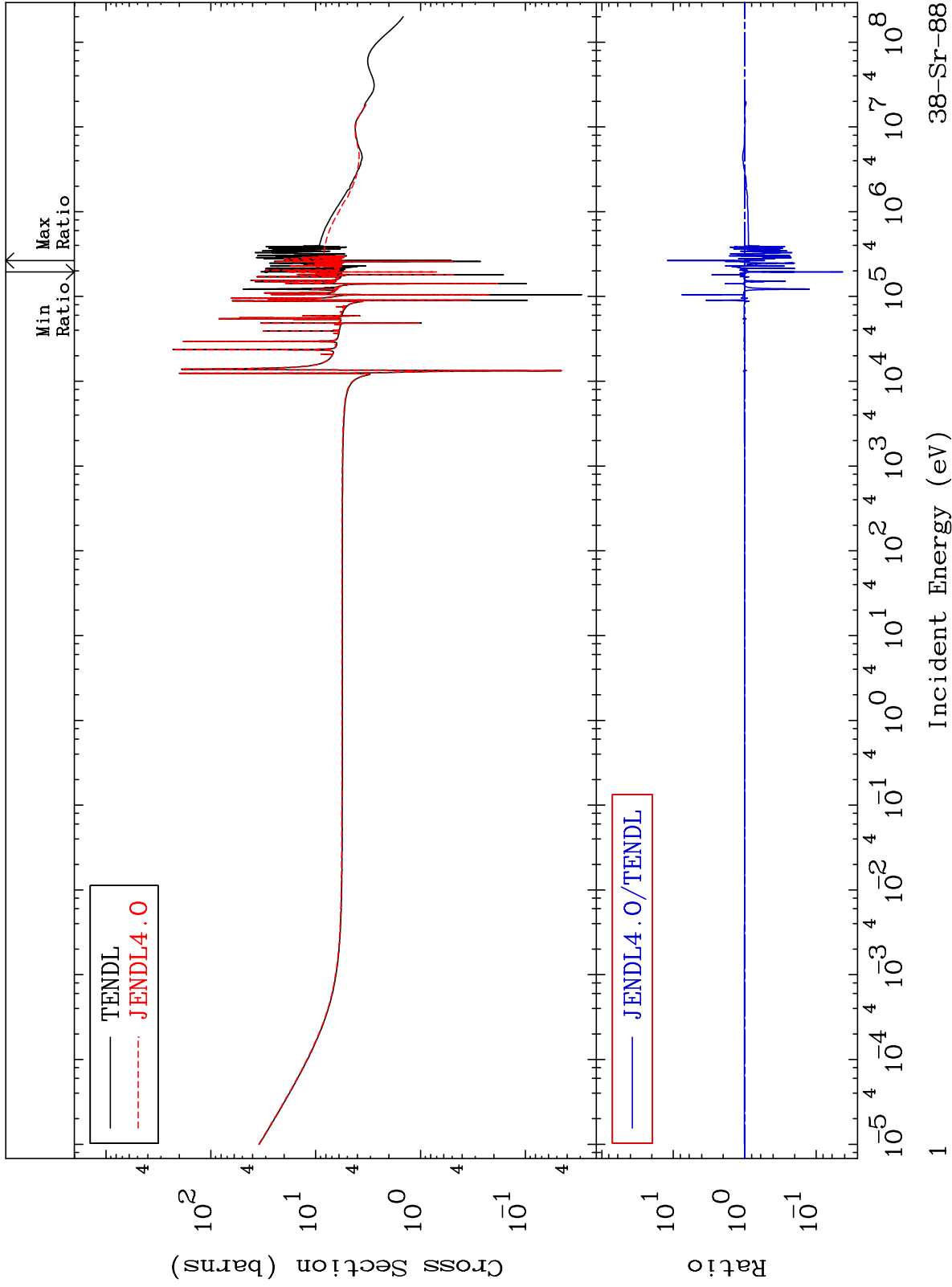
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3837

Total
Cross Section

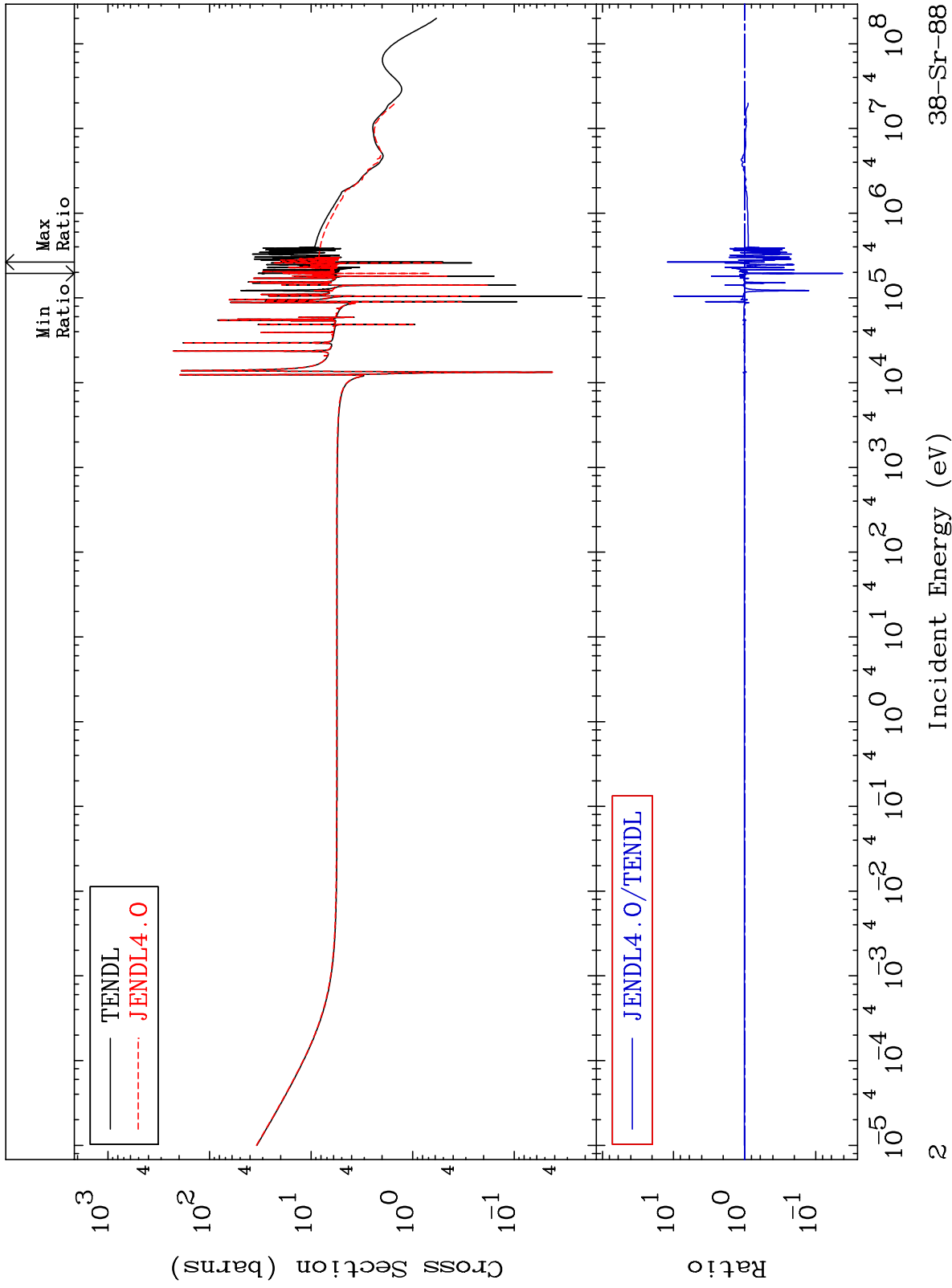
38-Sr-88
-95.73 To 1115. %



MAT 3837

Elastic
Cross Section

38-Sr-88
-95.82 To 1123. %

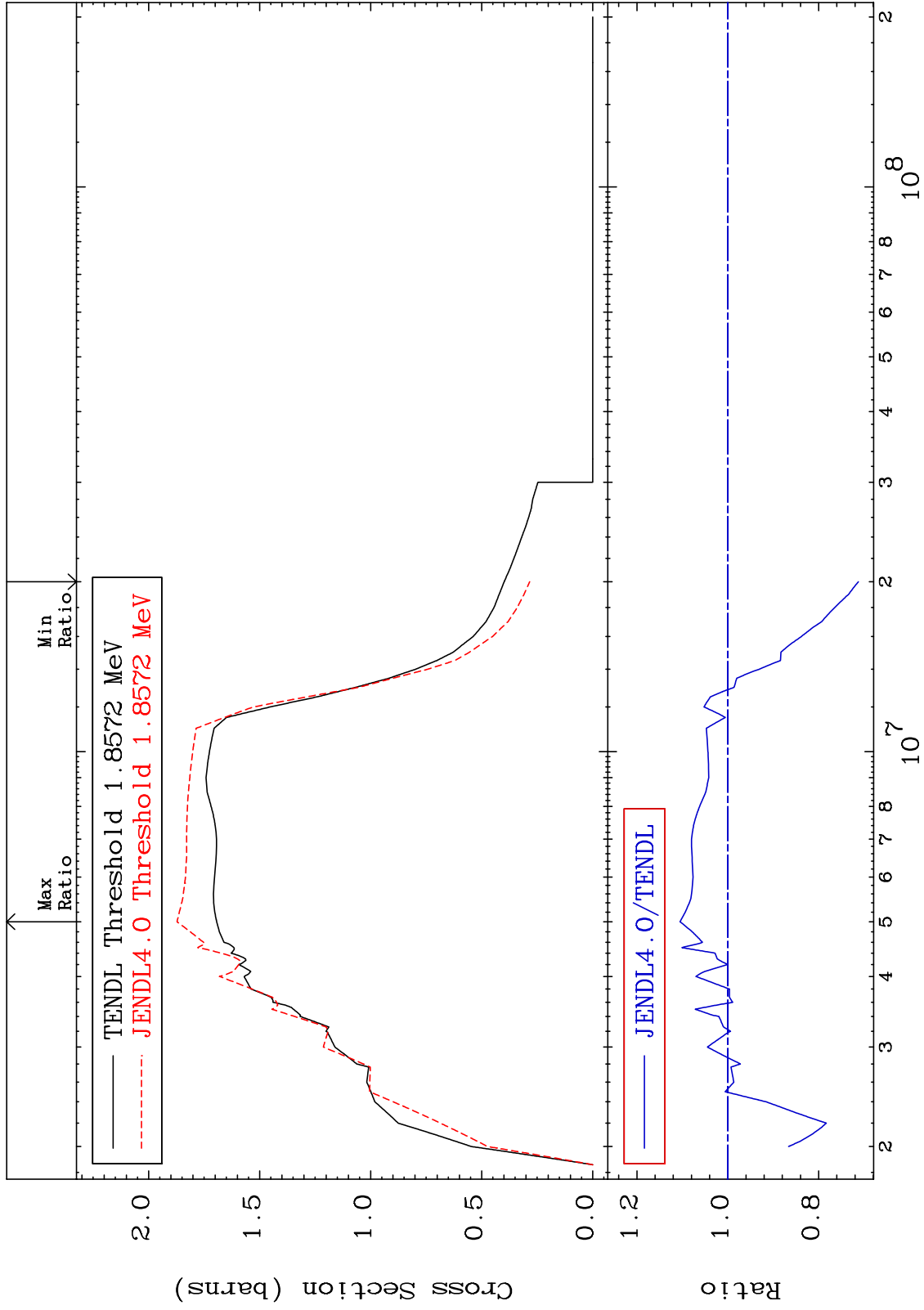


MAT 3837

Inelastic
Cross Section

38-Sr-88

-28.75 To 10.52 %



3

Incident Energy (eV)

38-Sr-88

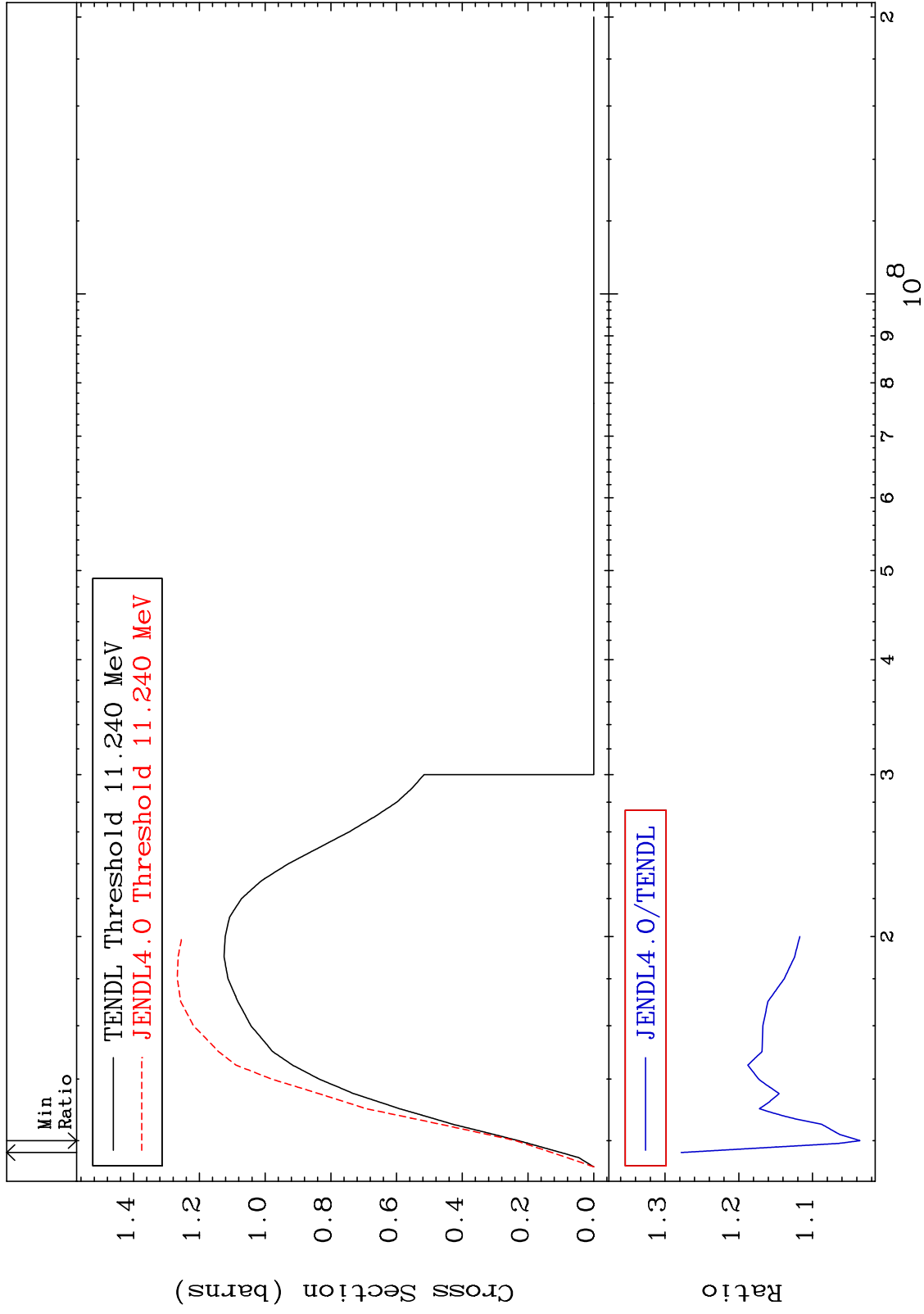
MAT 3837

(n,2n)

38-Sr-88

Cross Section

3.580 To 27.80 %



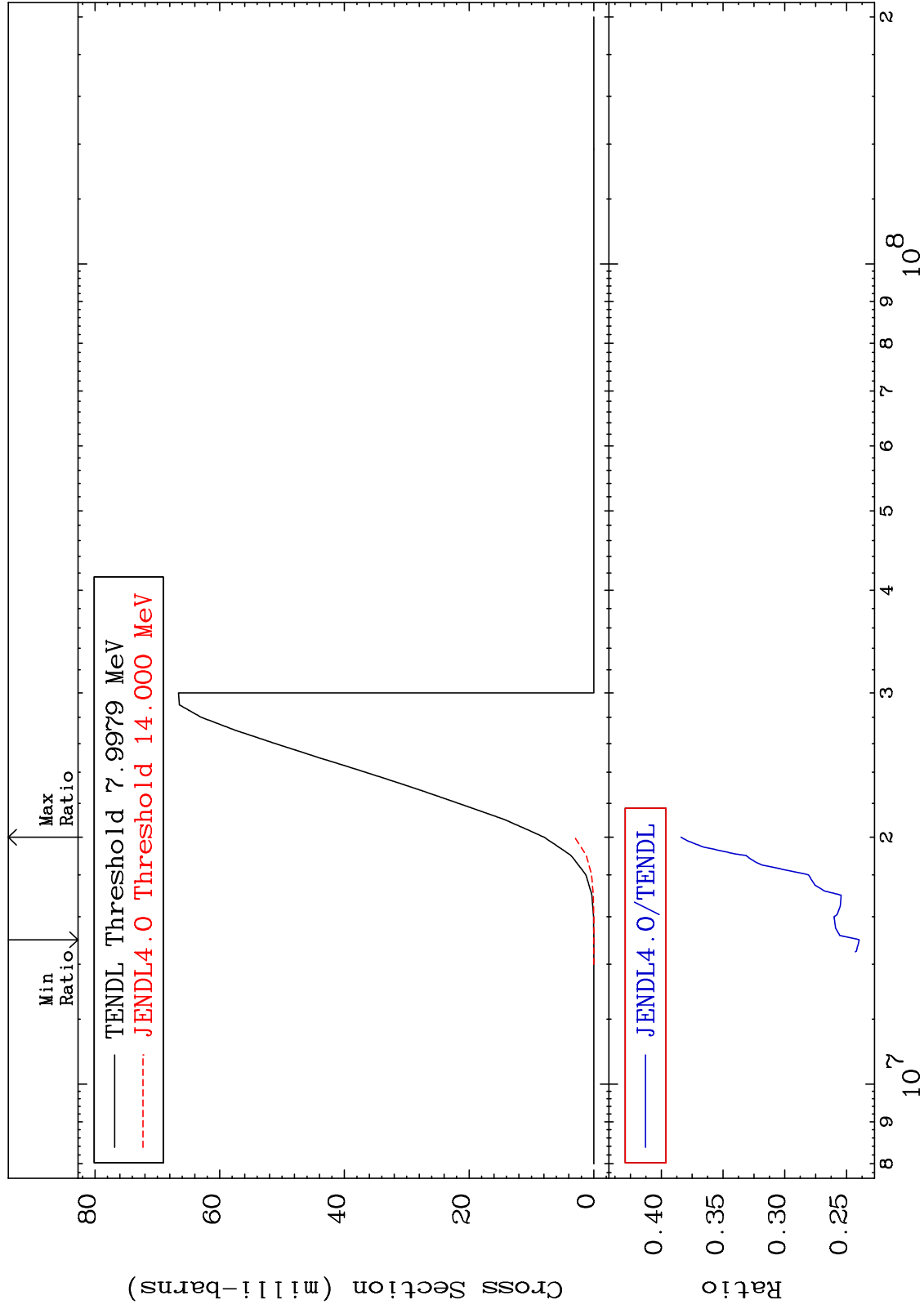
MAT 3837

(n,n') α

38-Sr-88

Cross Section

-76.03 To -61.60%



5

Incident Energy (eV)

38-Sr-88

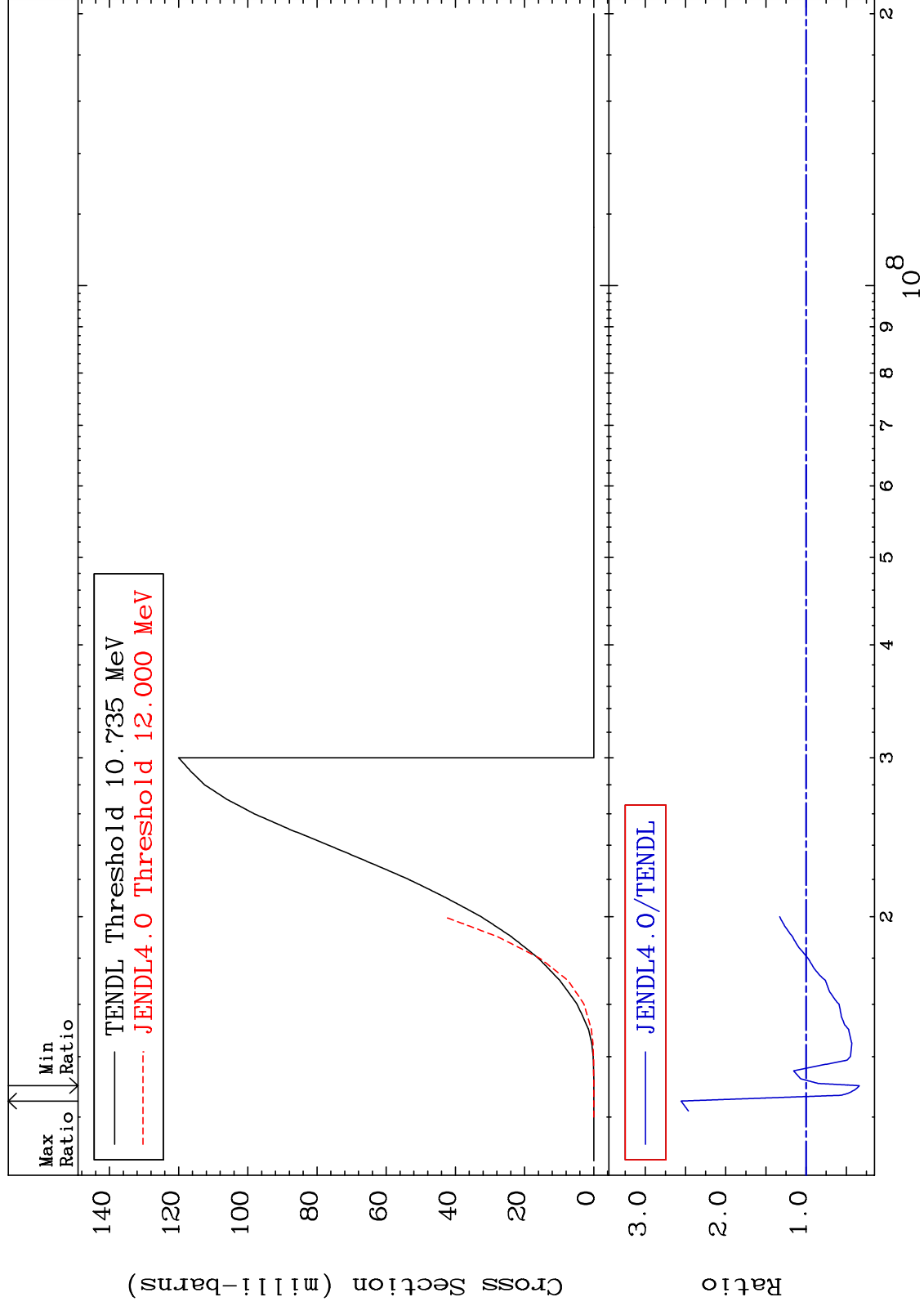
MAT 3837

(n,n') p

38-Sr-88

Cross Section

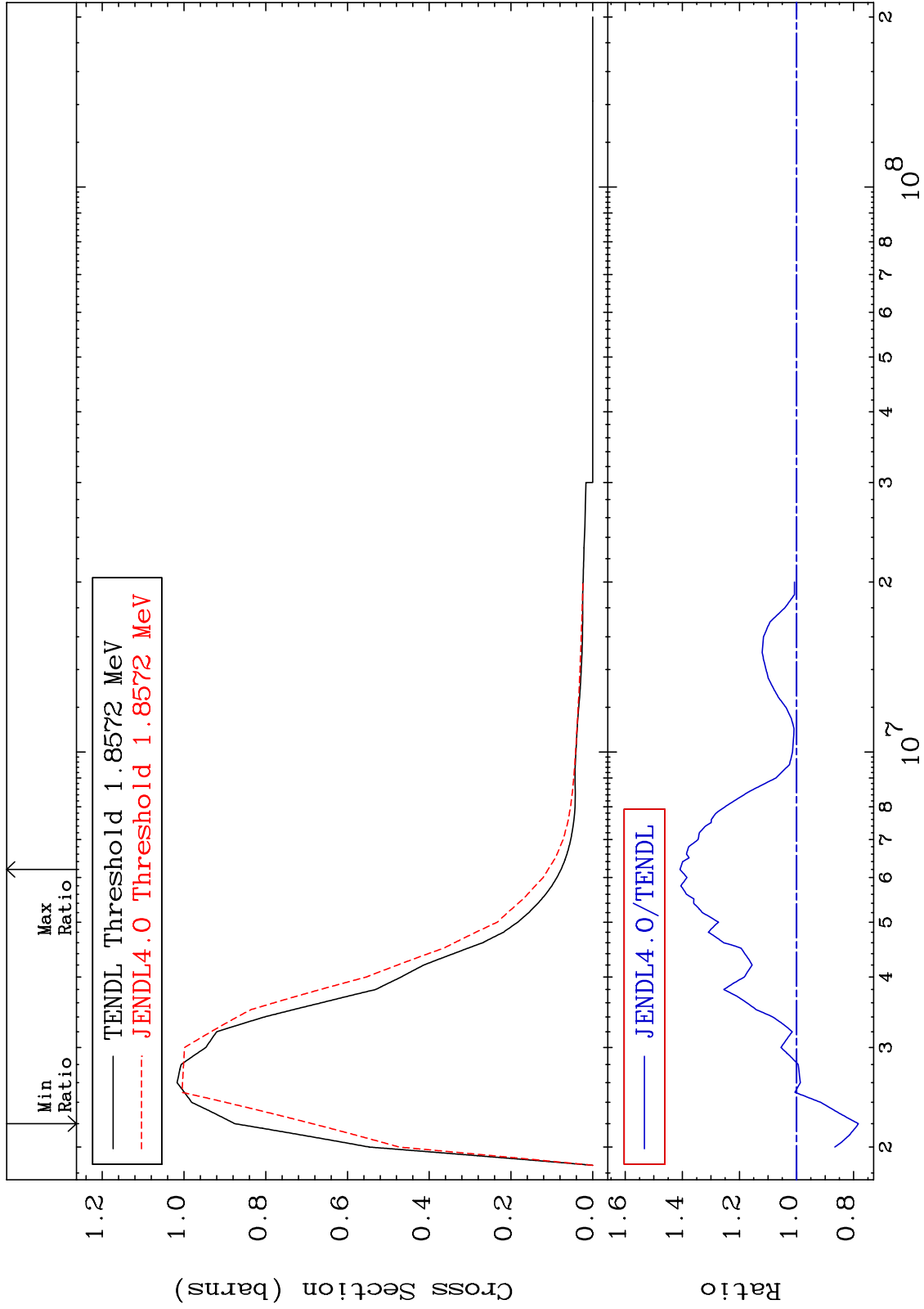
-66.16 To 155.6 %



MAT 3837

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

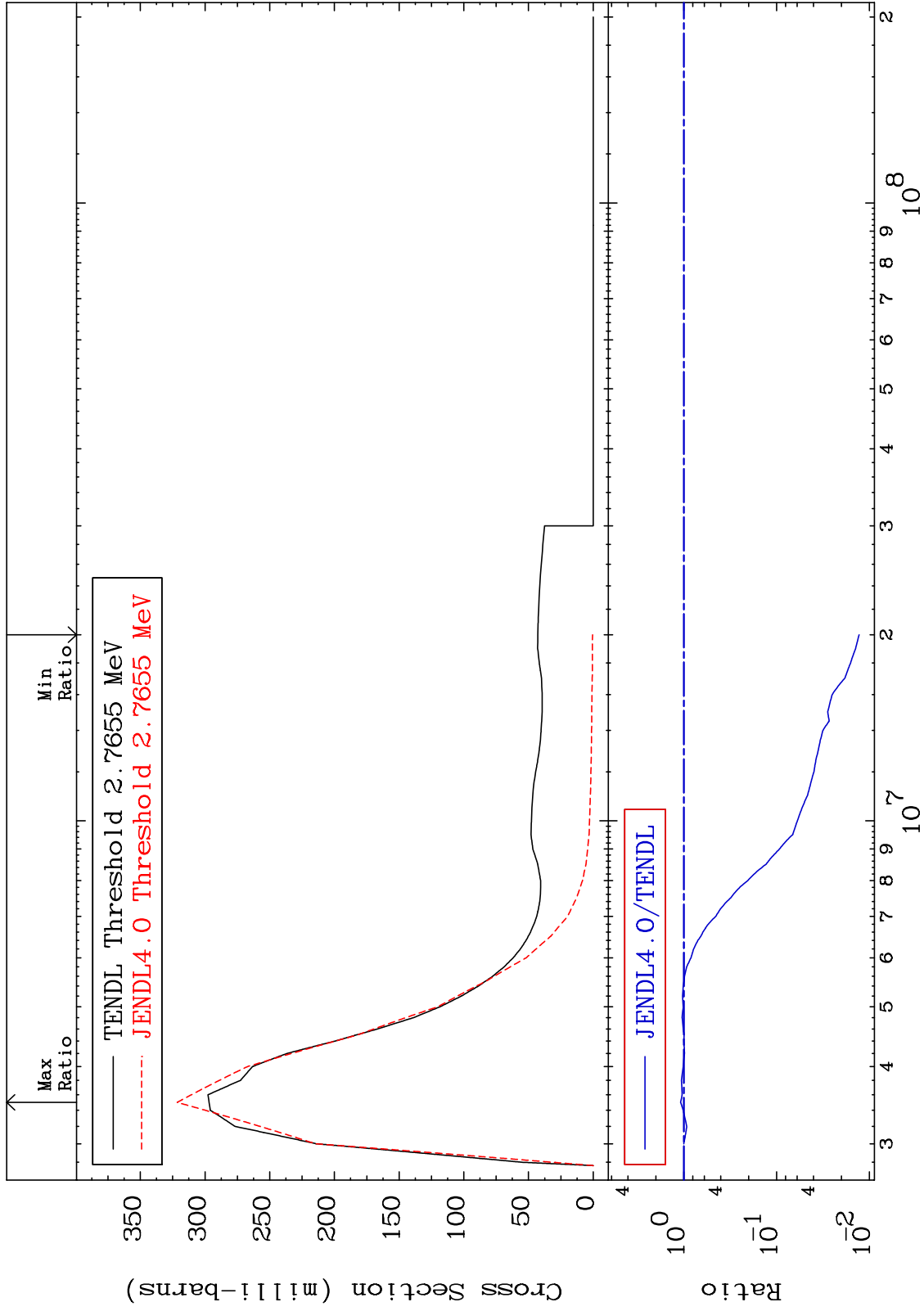
38-Sr-88
-21.67 To 40.83 %



MAT 3837

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

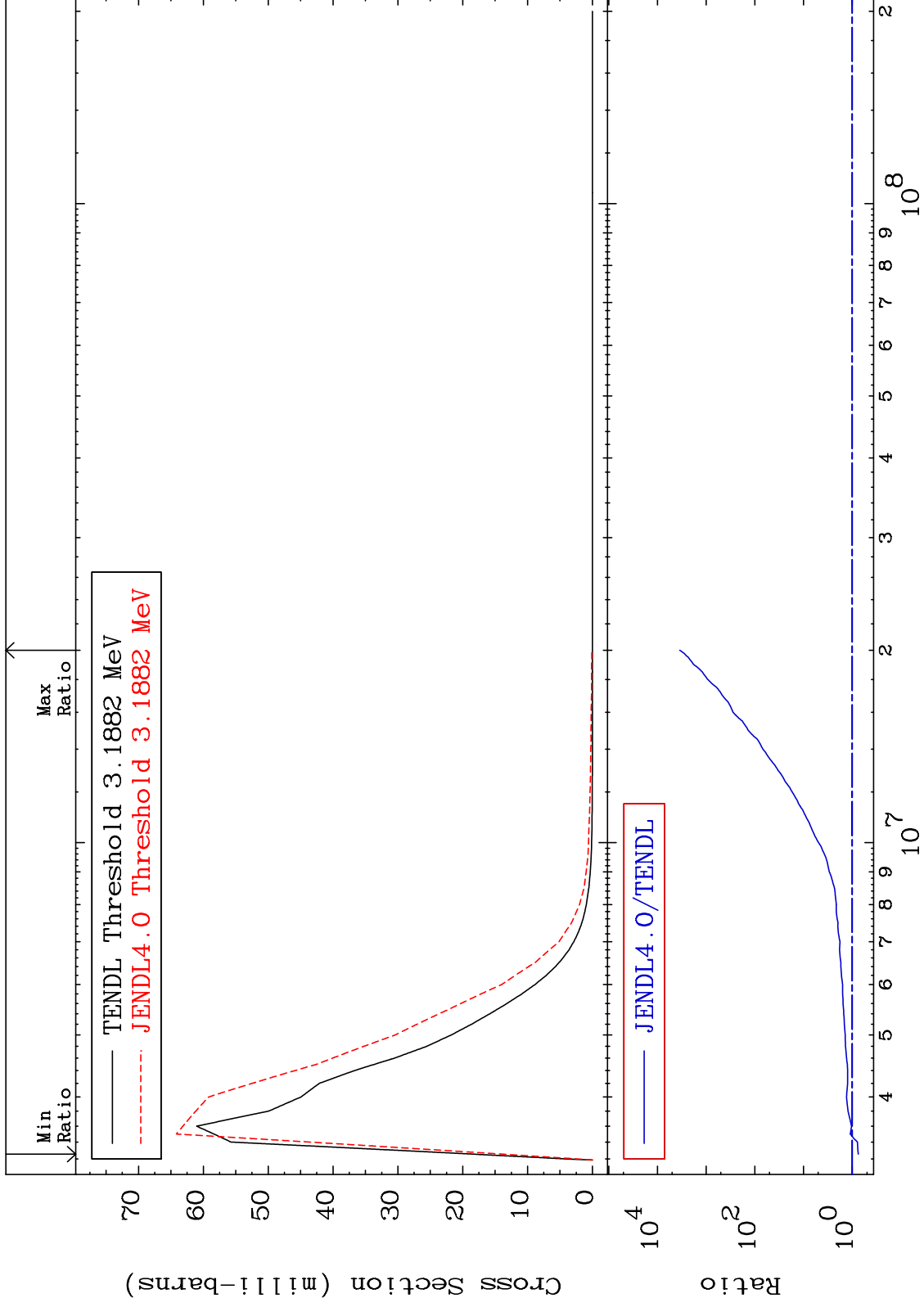
38-Sr-88
-98.71 To 8.300 %



MAT 3837

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

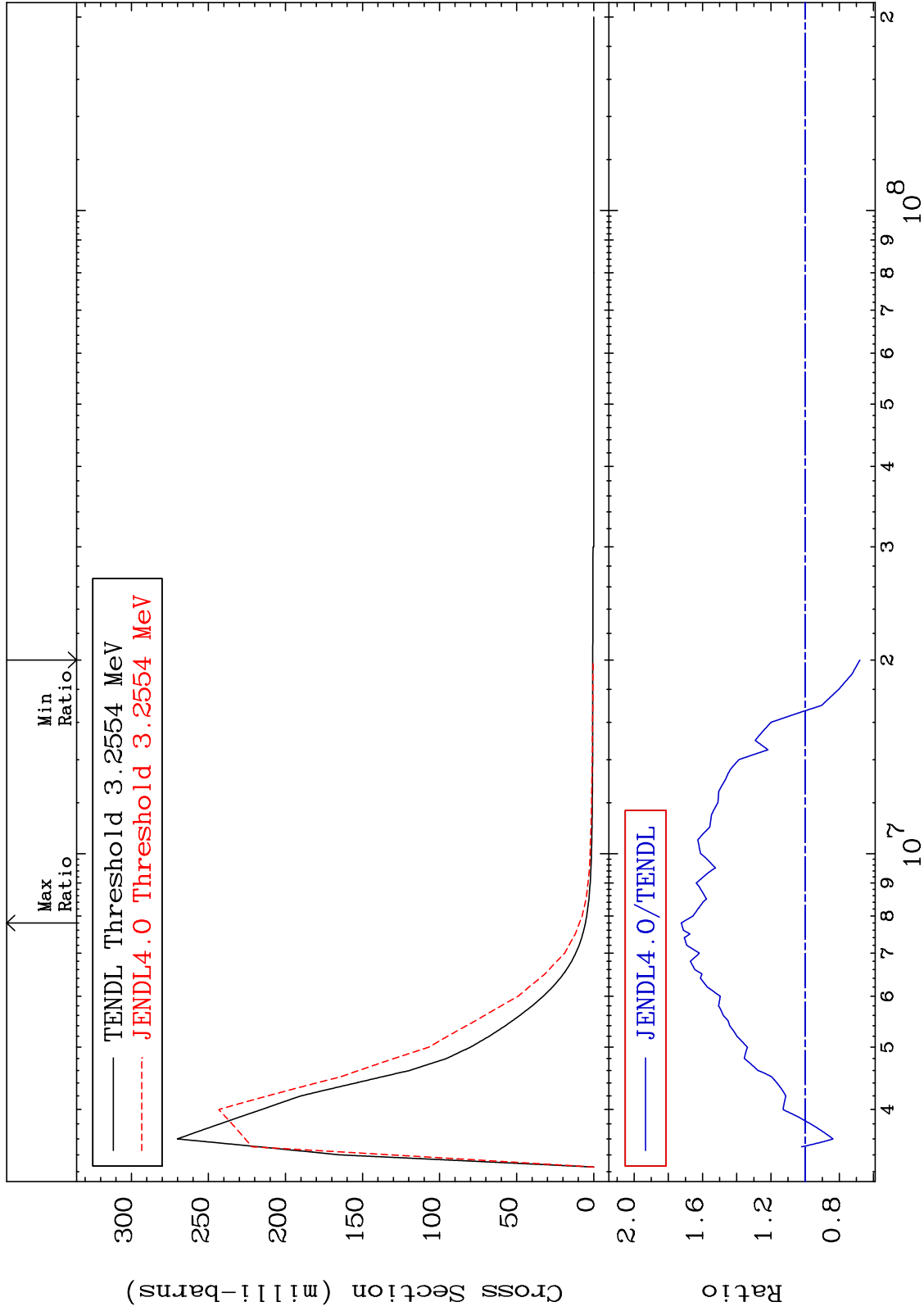
38-Sr-88
-24.97 To 9999. %



MAT 3837

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

38-Sr-88
-32.04 To 72.47 %



10

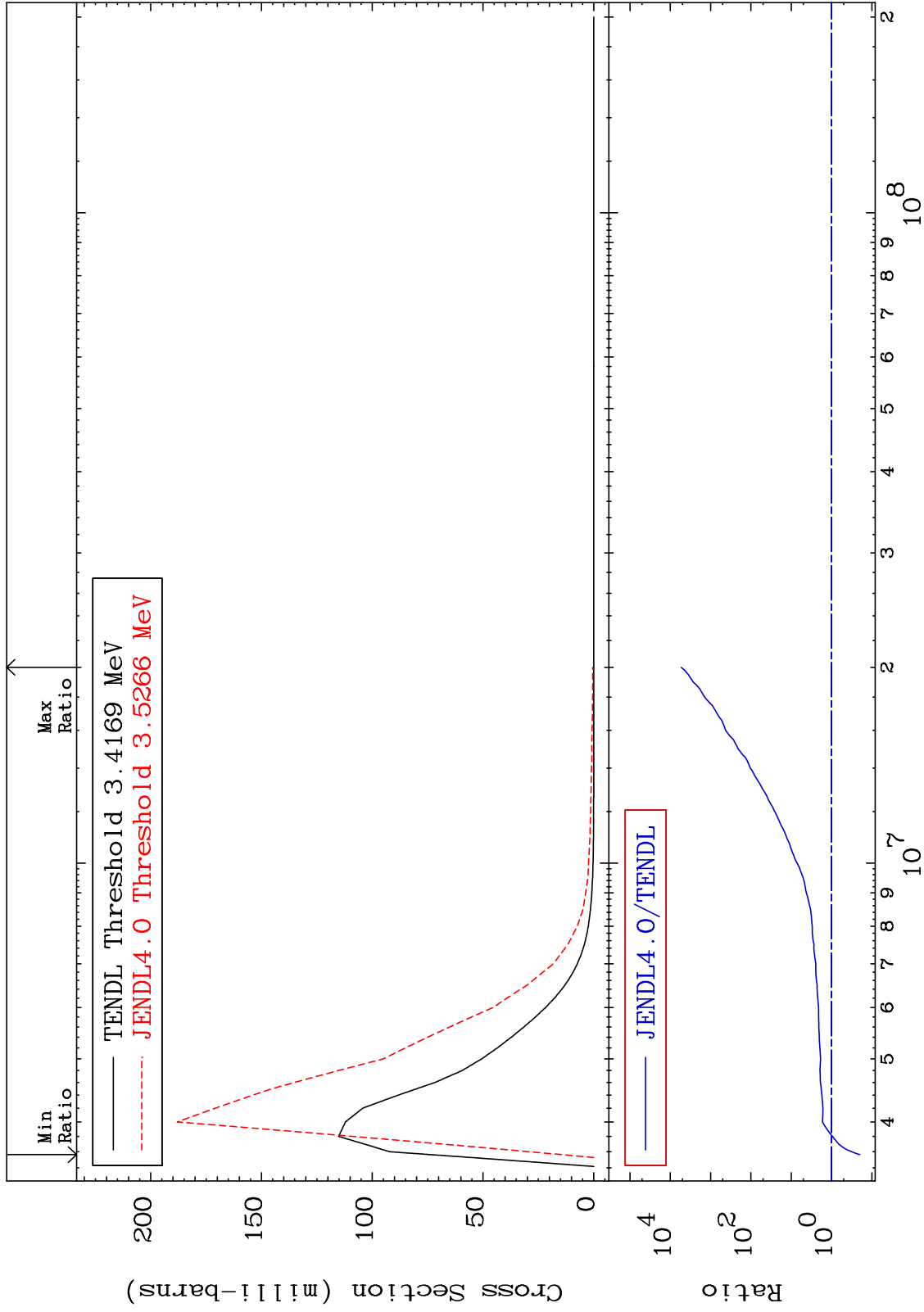
Incident Energy (eV)

38-Sr-88

MAT 3837

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

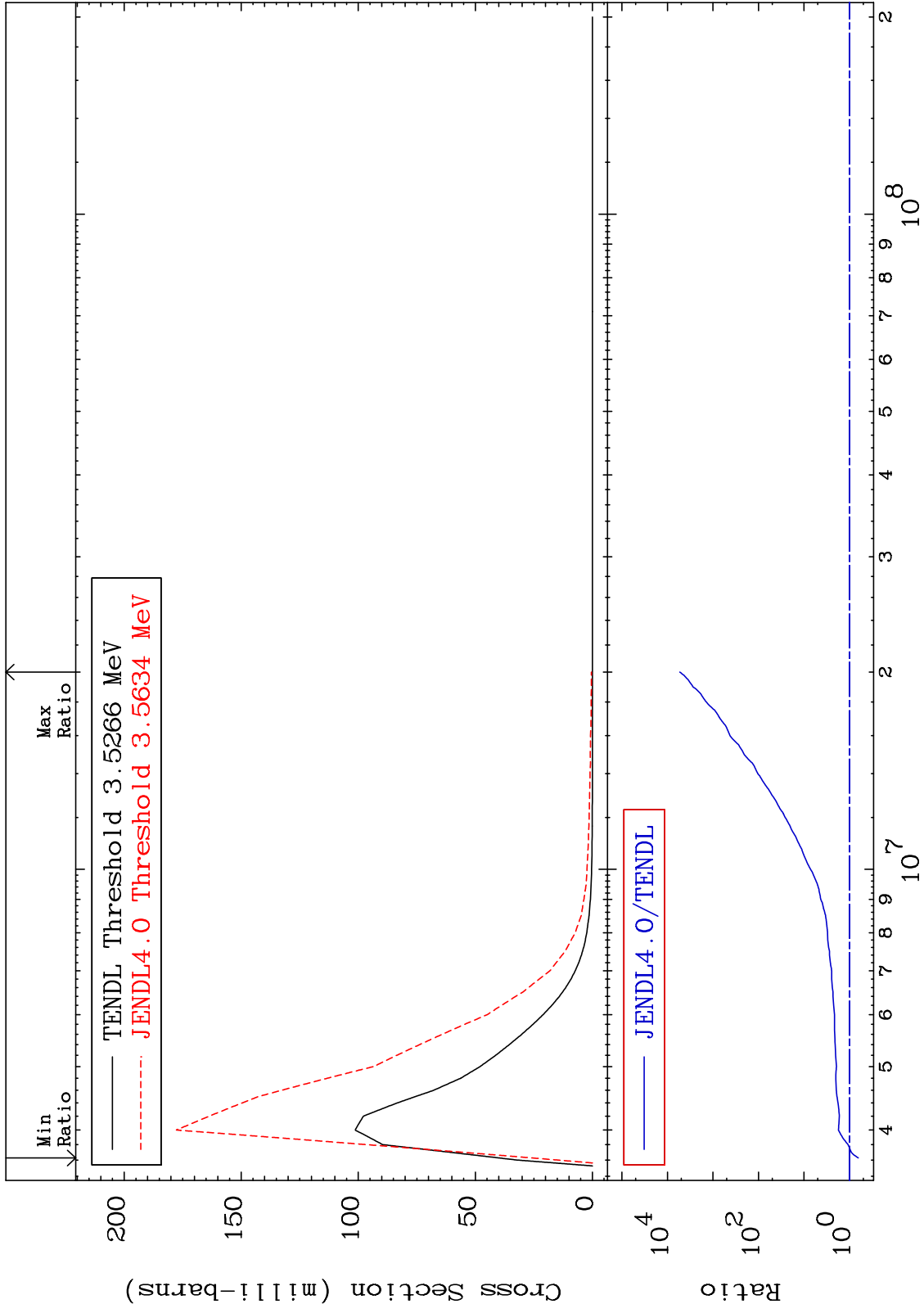
38-Sr-88
-80.19 To 9999. %



MAT 3837

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

38-Sr-88
-35.86 To 9999. %



12

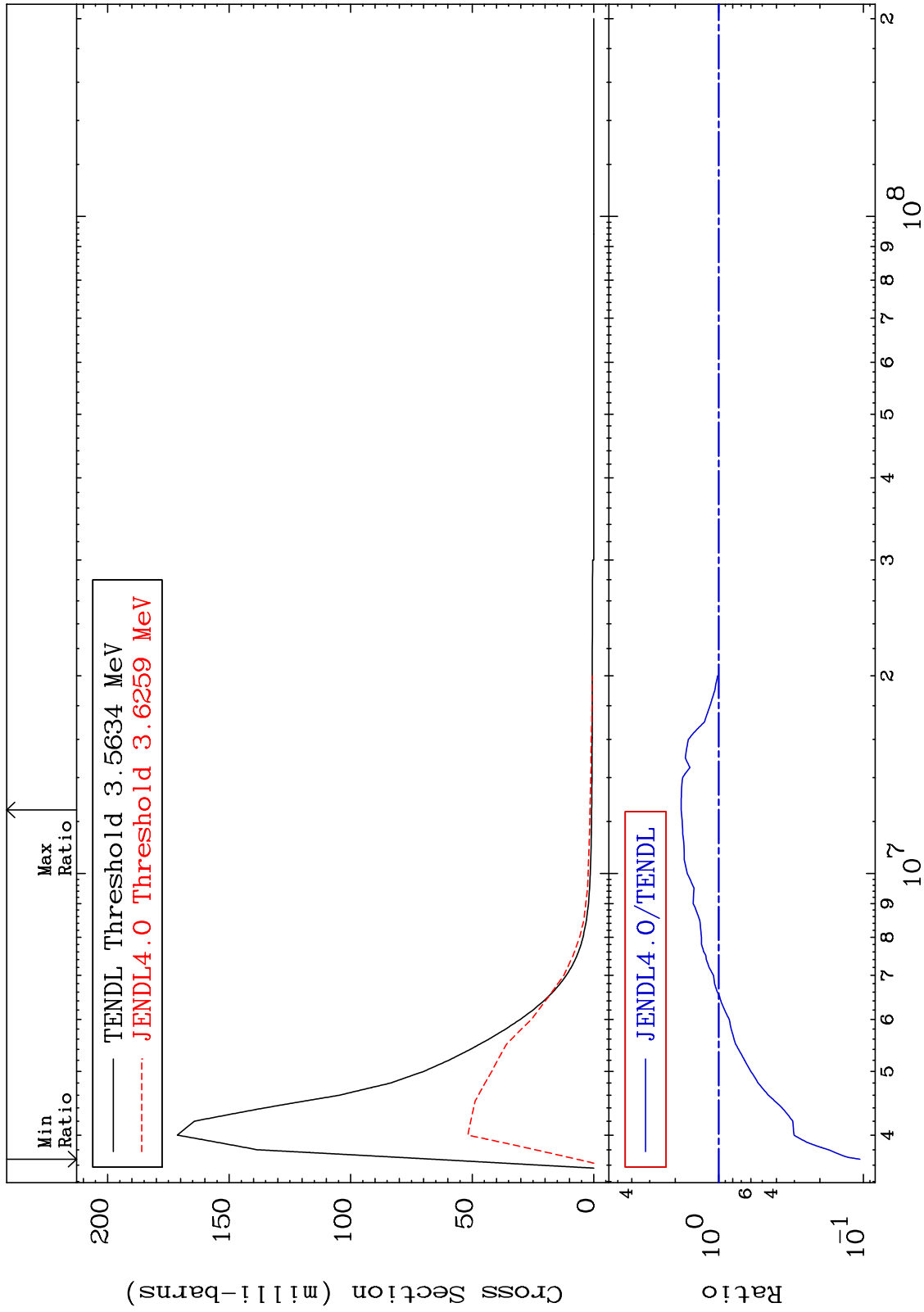
Incident Energy (eV)

38-Sr-88

MAT 3837

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

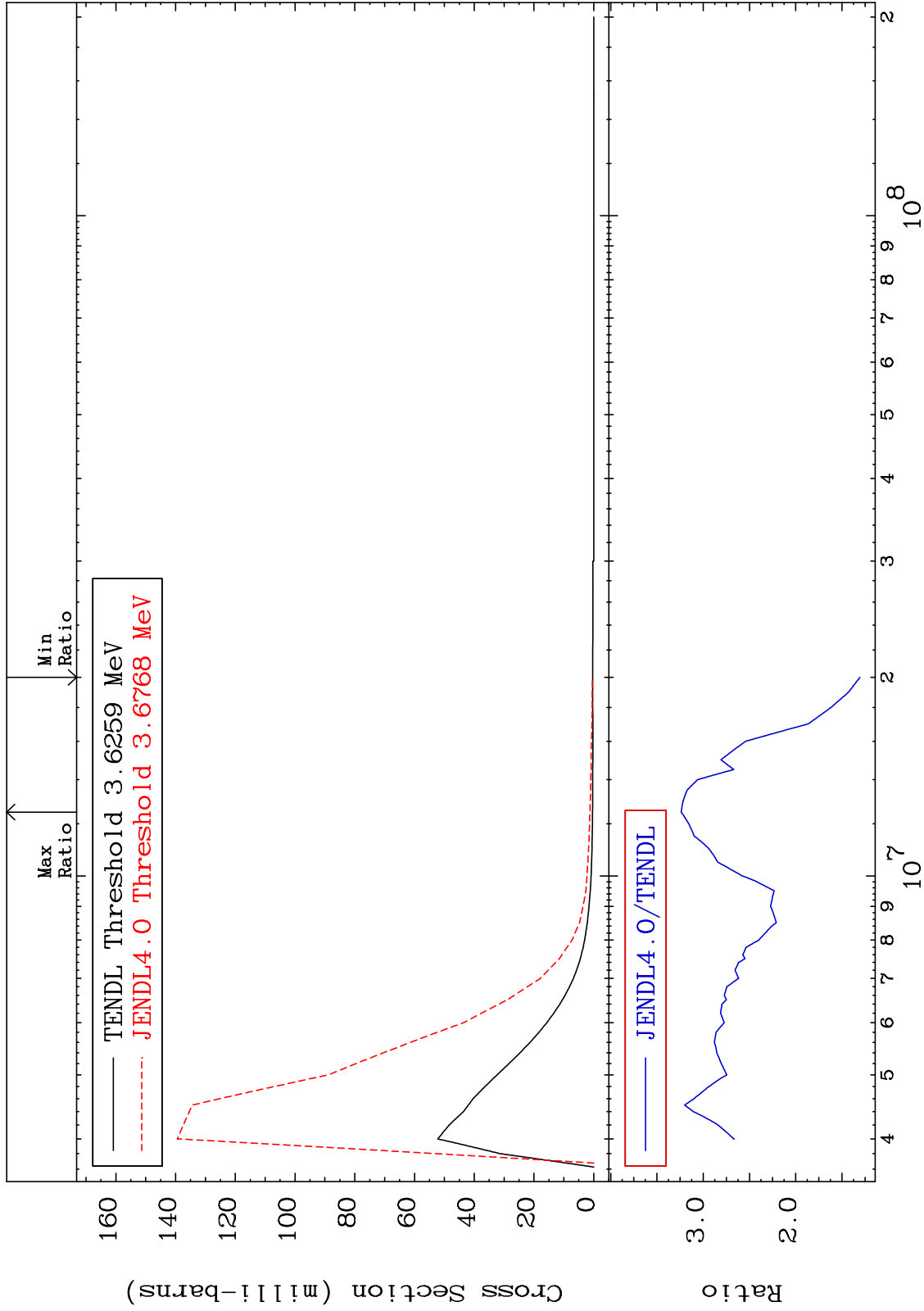
38-Sr-88
-89.43 To 81.84 %



MAT 3837

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

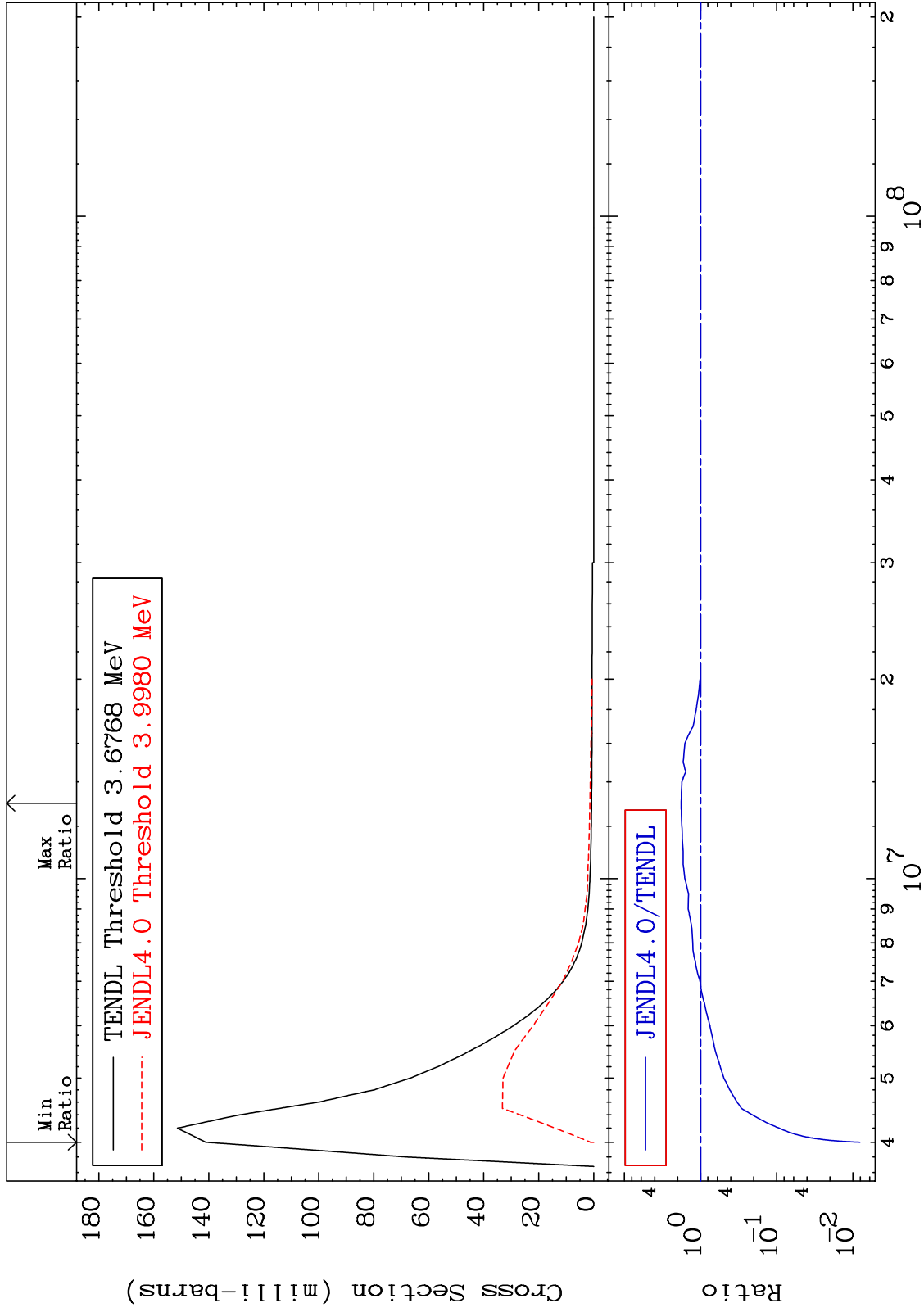
38-Sr-88
30.55 To 223.8 %



MAT 3837

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

38-Sr-88
-99.19 To 79.22 %



15

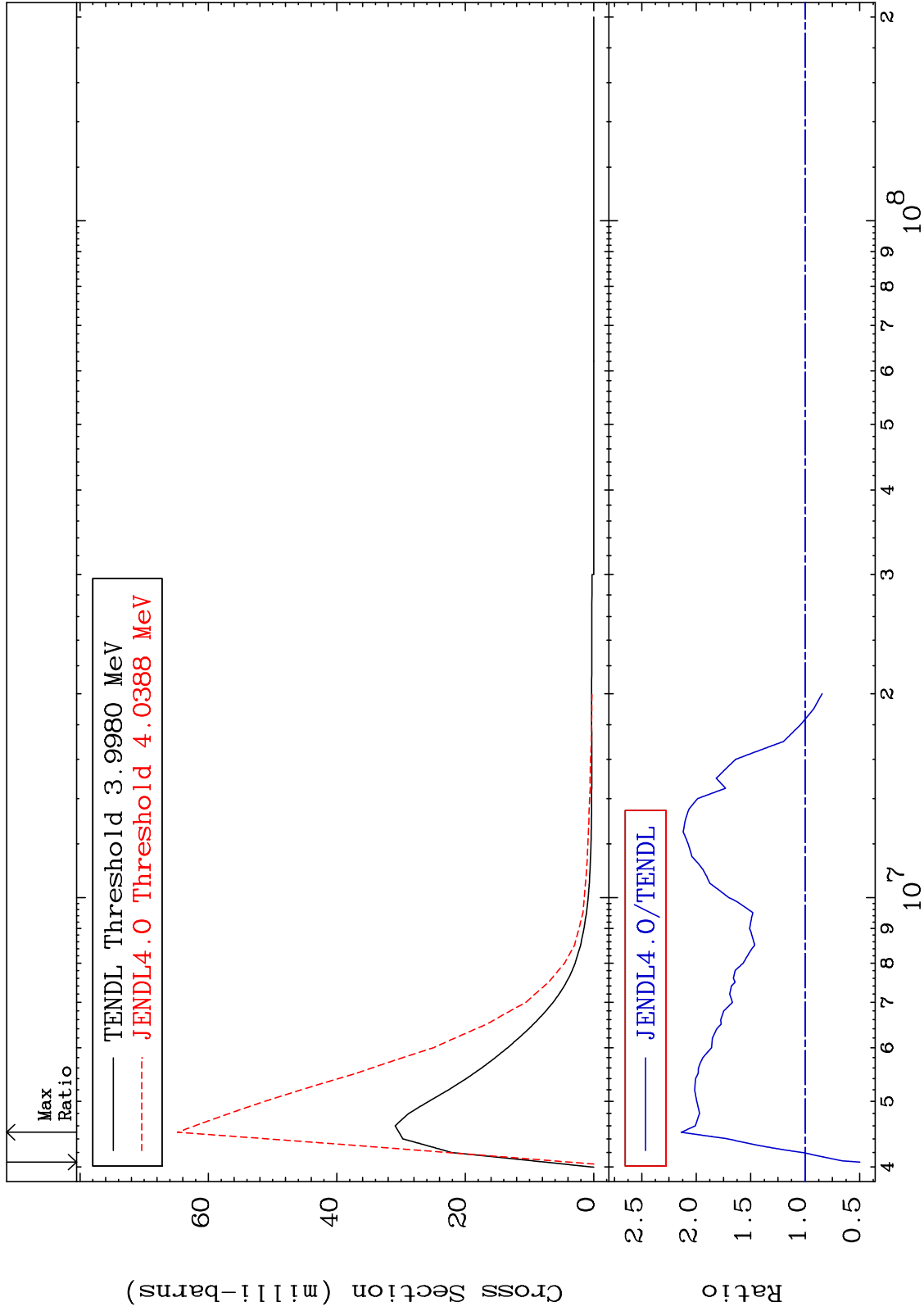
38-Sr-88

38-Sr-88

MAT 3837

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

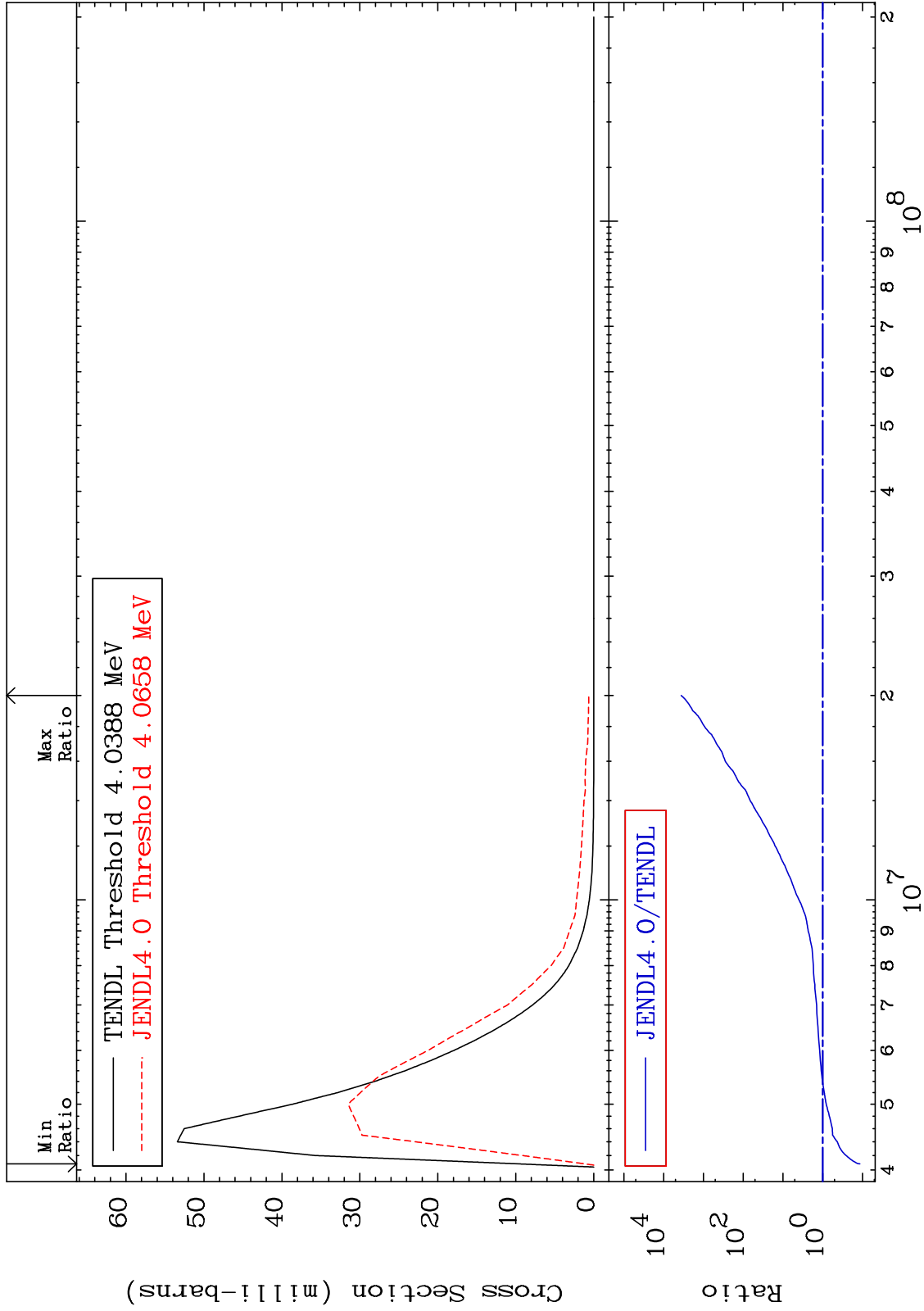
38-Sr-88
-50.27 To 113.8 %



MAT 3837

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

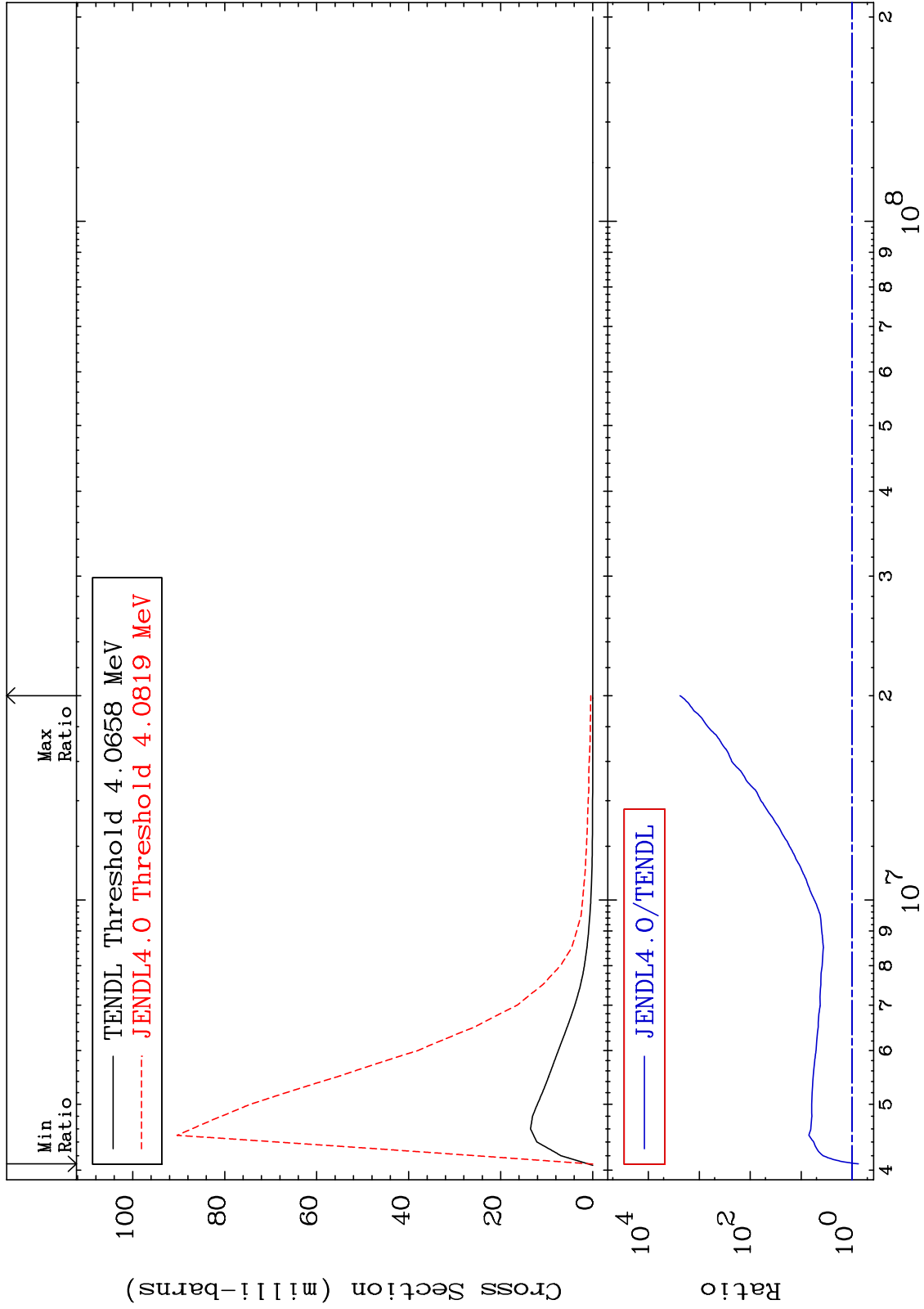
38-Sr-88
-88.45 To 9999. %



MAT 3837

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

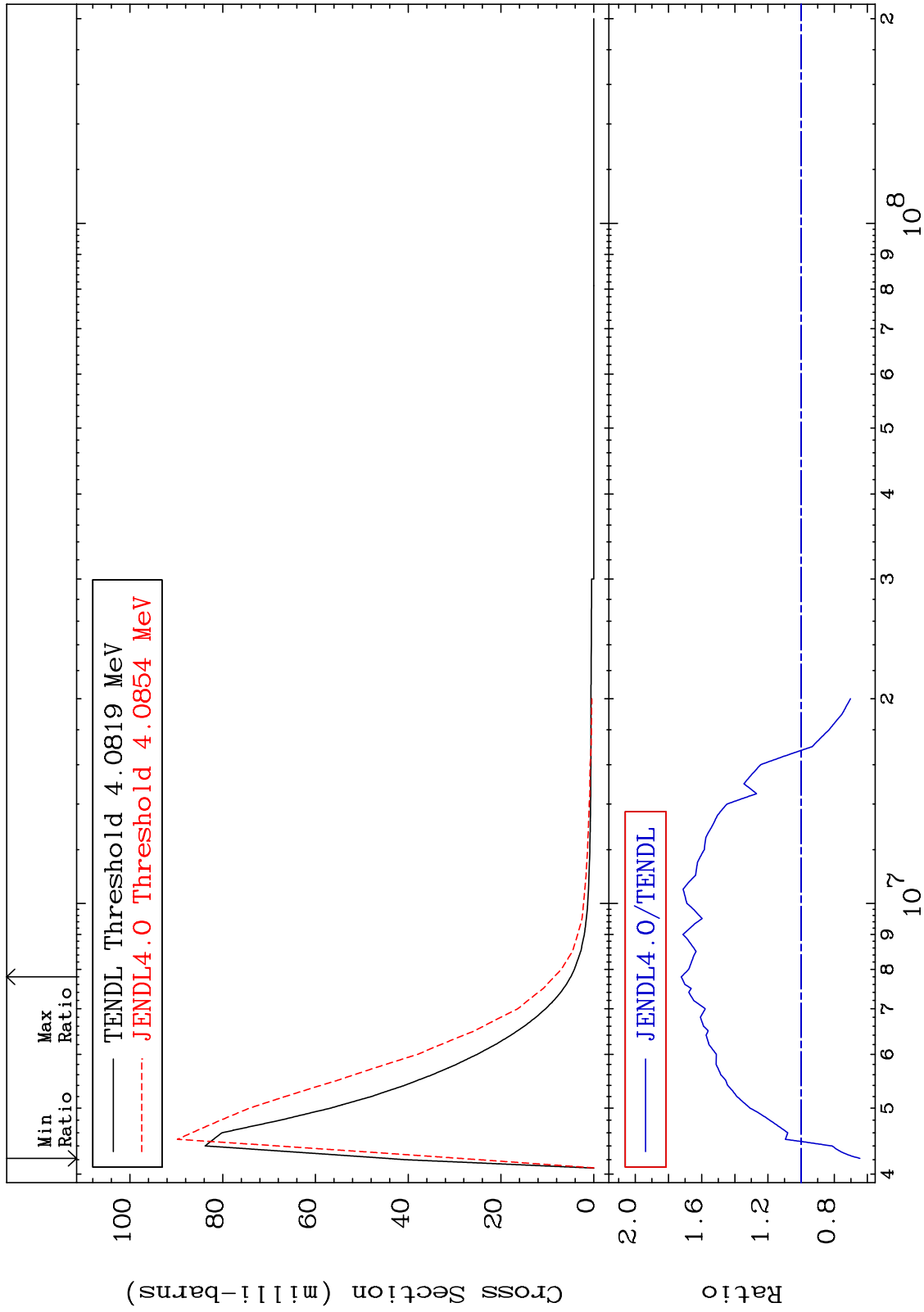
38-Sr-88
-24.90 To 9999. %



MAT 3837

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

38-Sr-88
-35.48 To 72.32 %



19

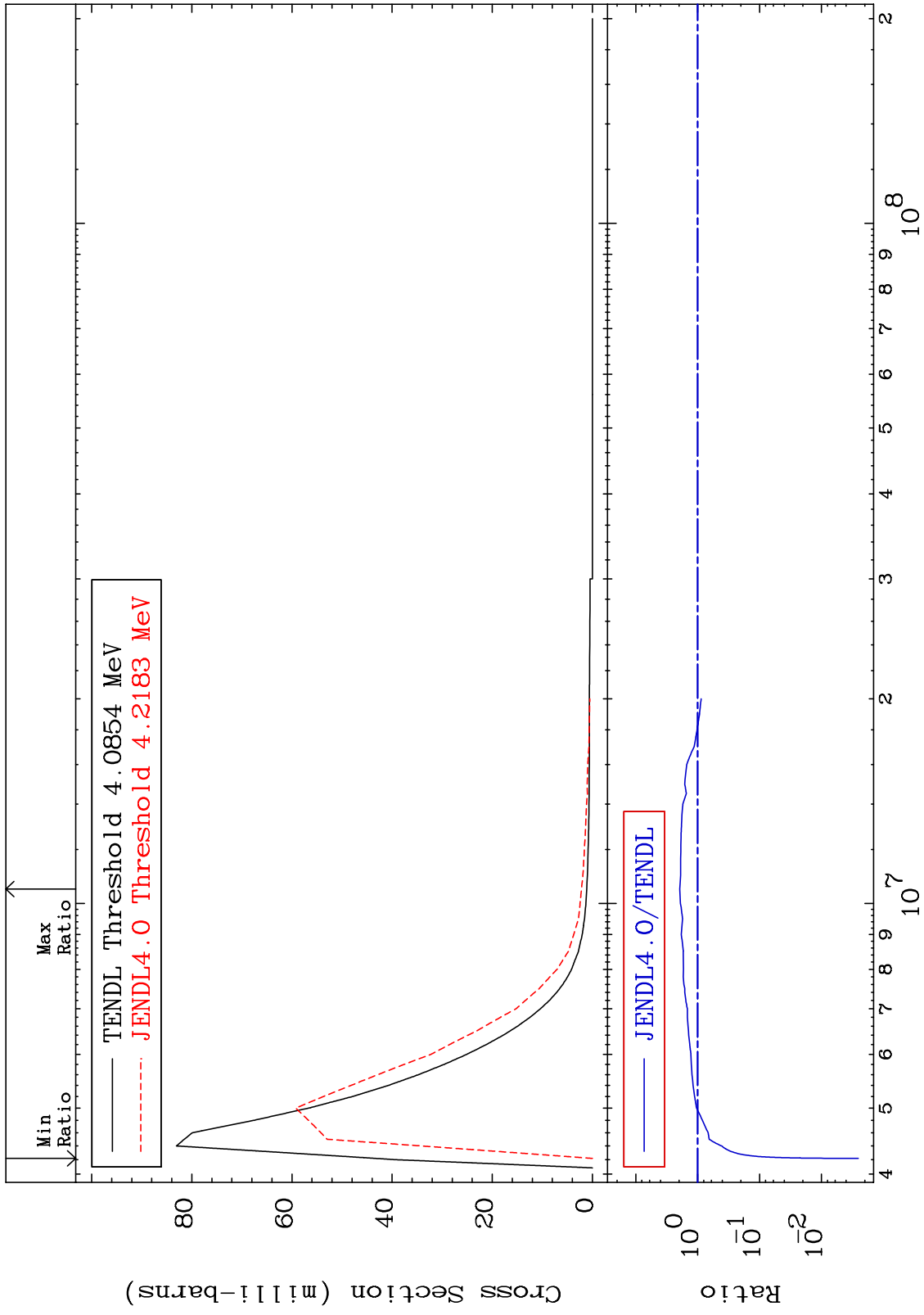
Incident Energy (eV)

38-Sr-88

MAT 3837

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

38-Sr-88
-99.75 To 94.55 %



20

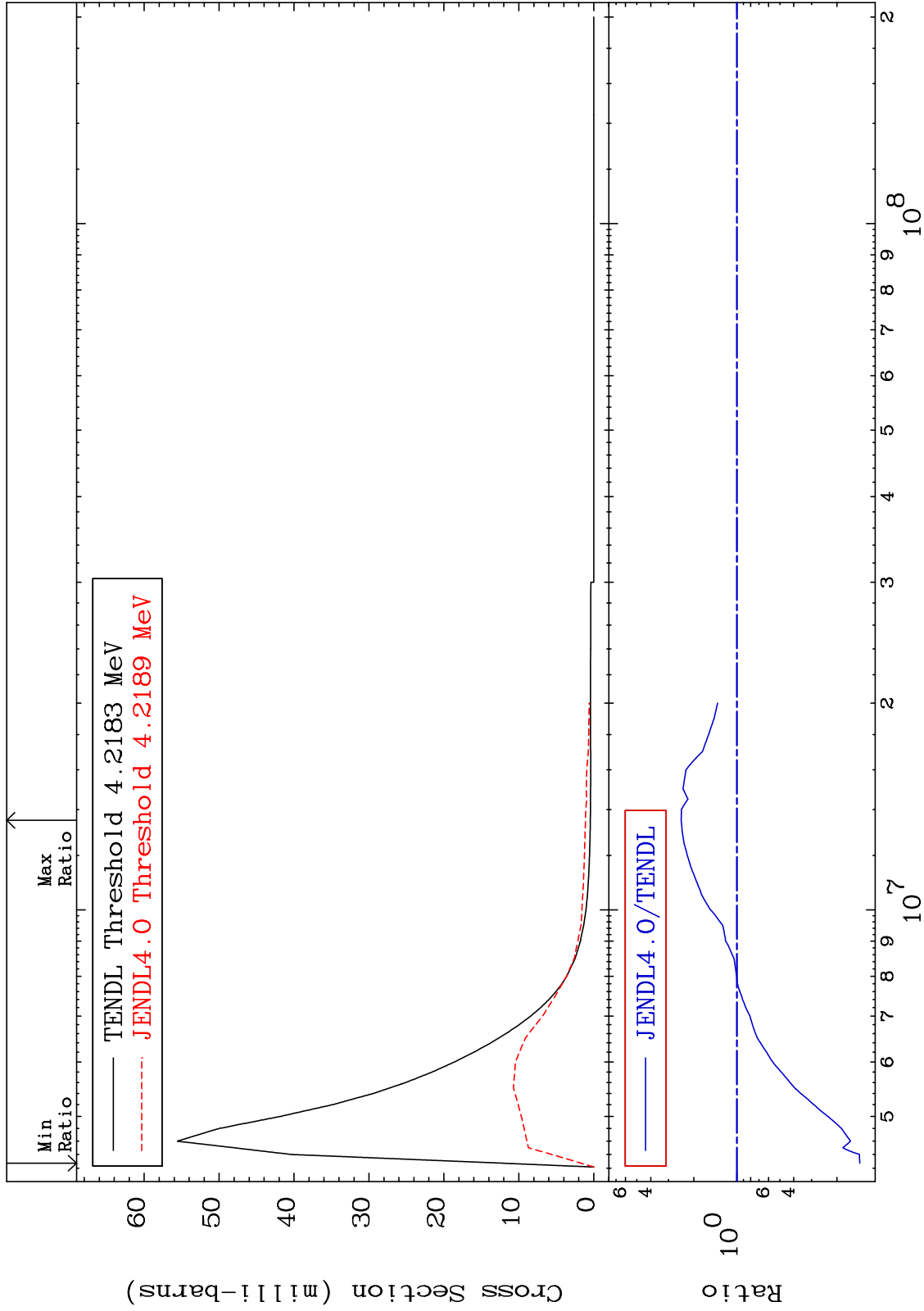
Incident Energy (eV)

38-Sr-88

MAT 3837

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

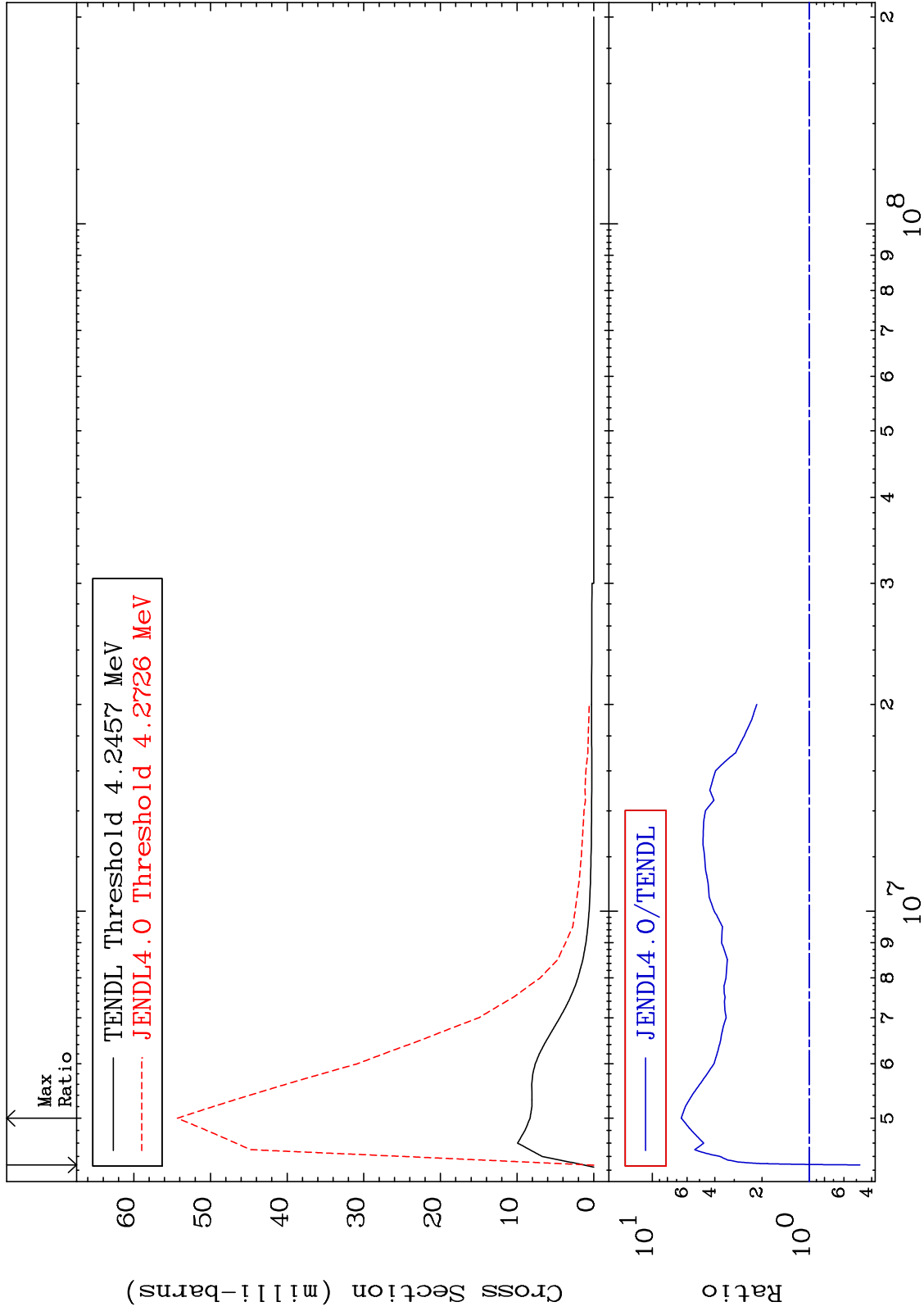
38-Sr-88
-86.20 To 144.8 %



MAT 3837

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

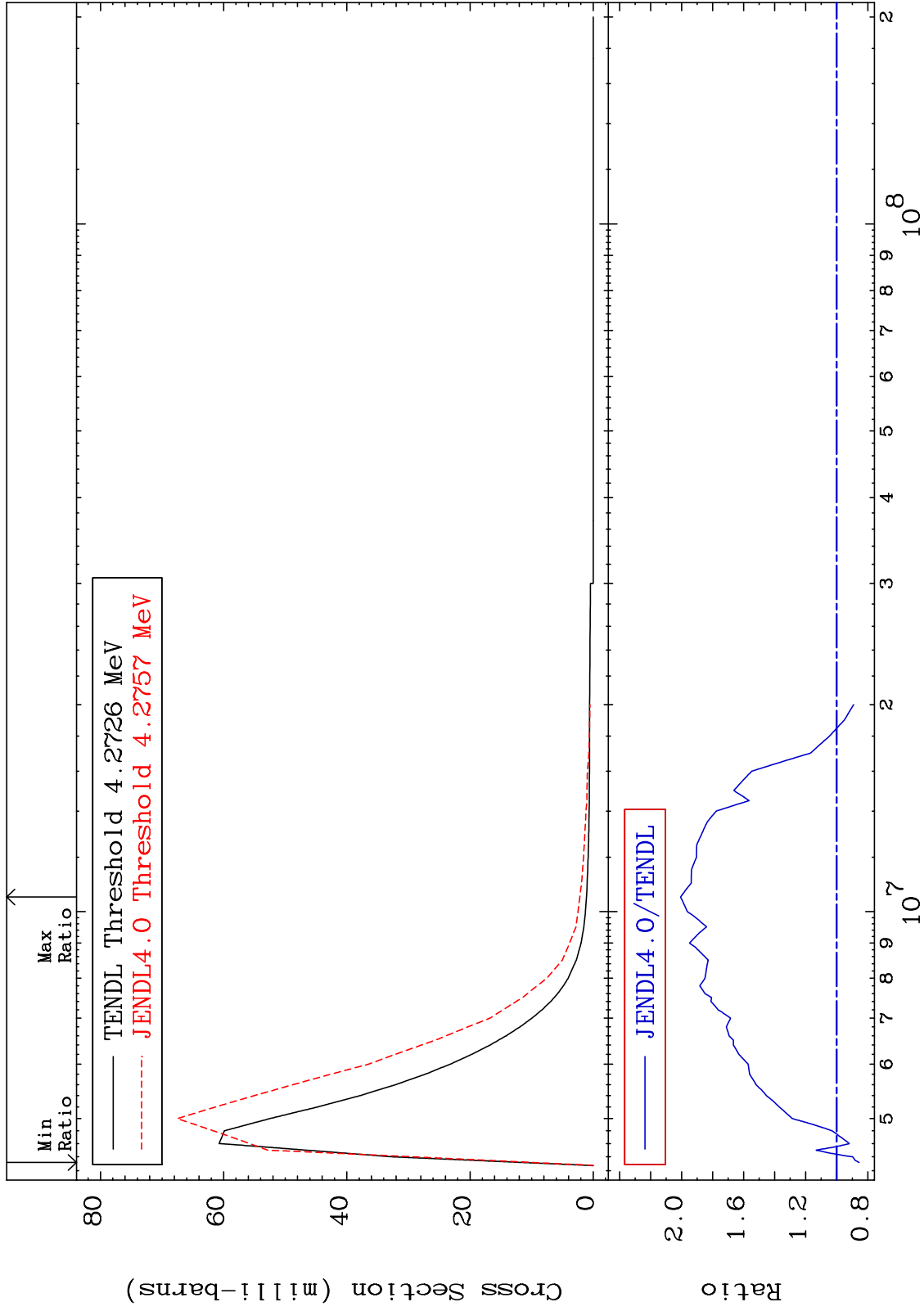
38-Sr-88
-52.50 To 553.8 %



MAT 3837

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

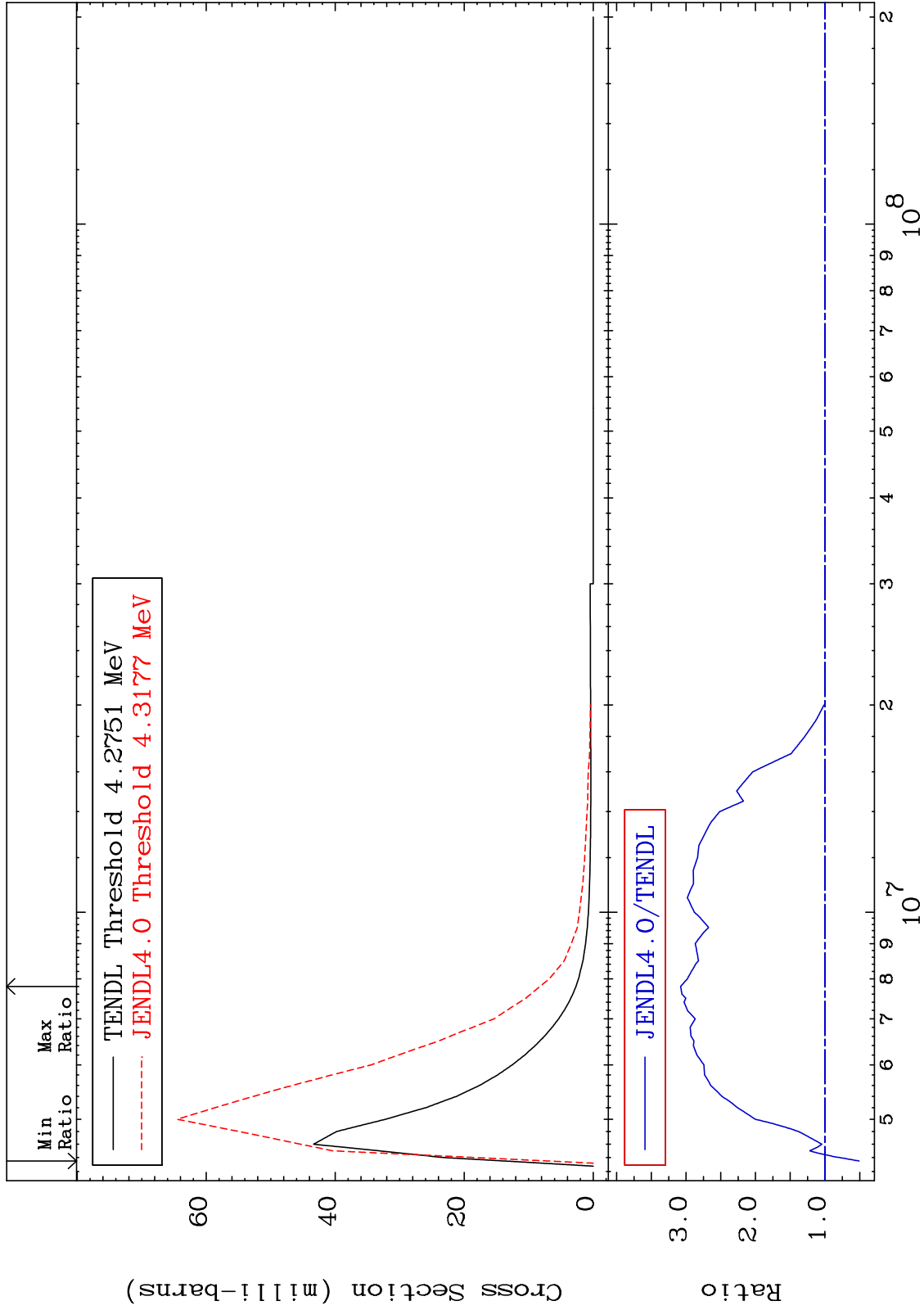
38-Sr-88
-14.45 To 100.6 %



MAT 3837

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

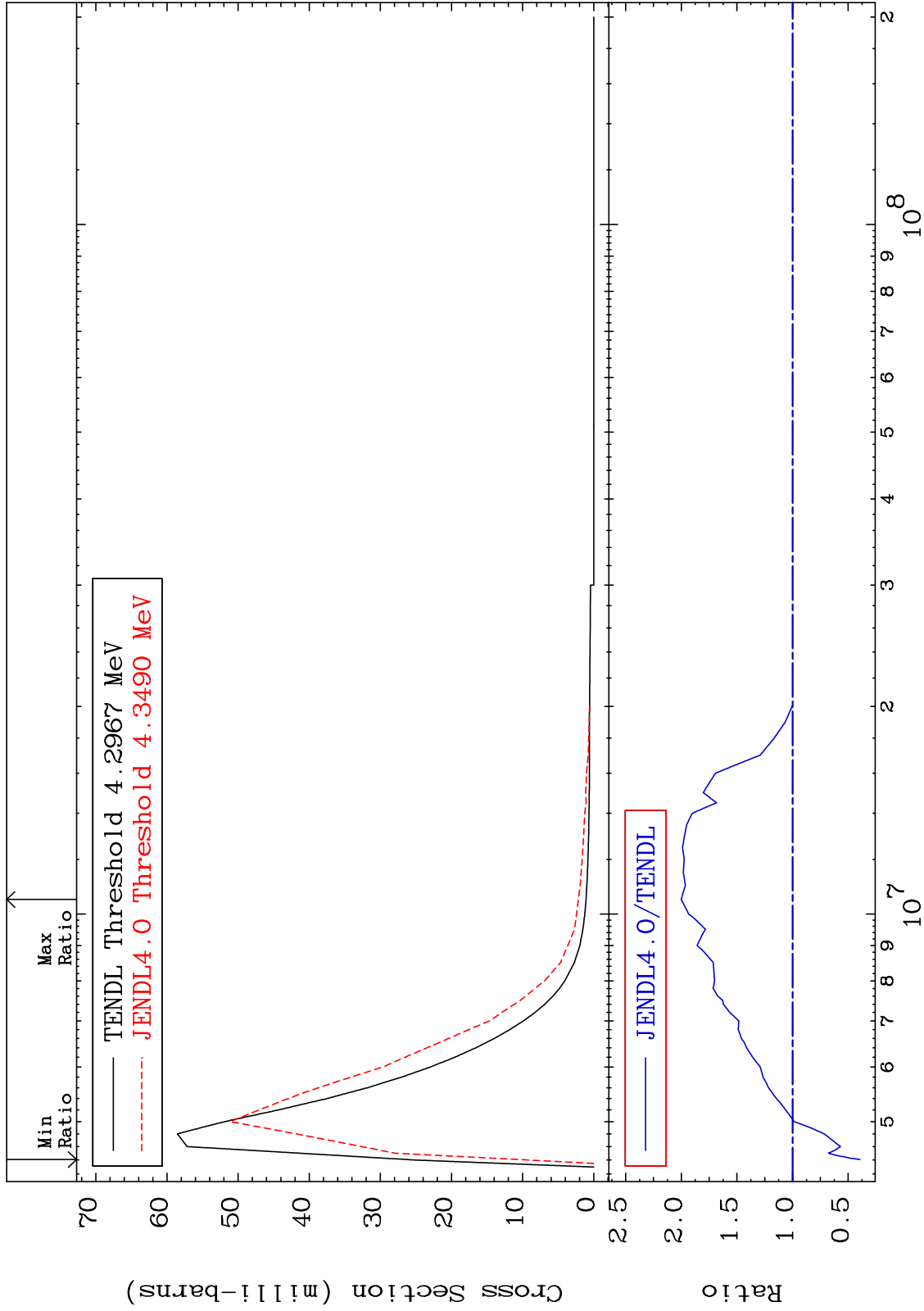
38-Sr-88
-49.27 To 207.9 %



MAT 3837

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

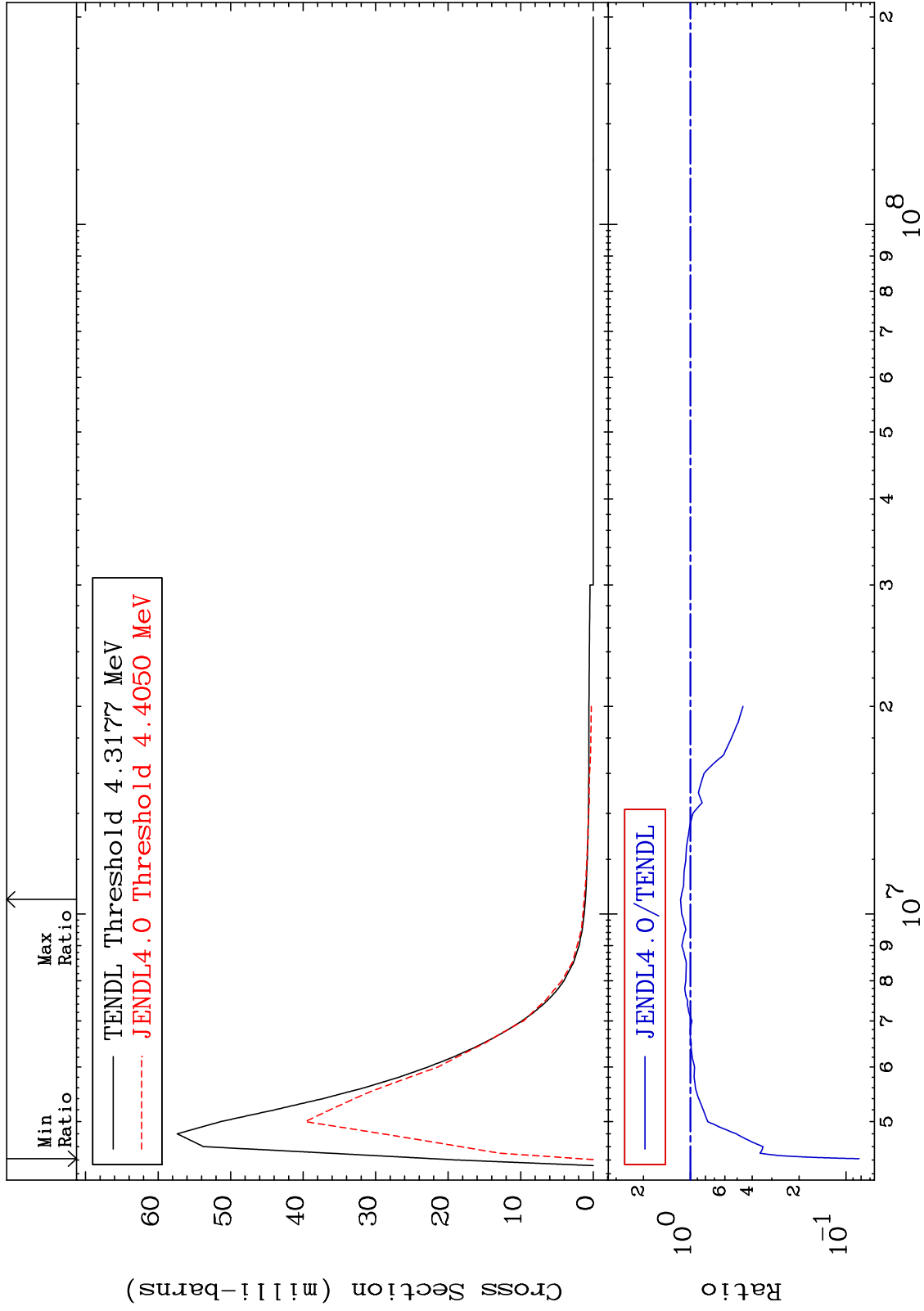
38-Sr-88
-60.55 To 100.1 %



MAT 3837

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

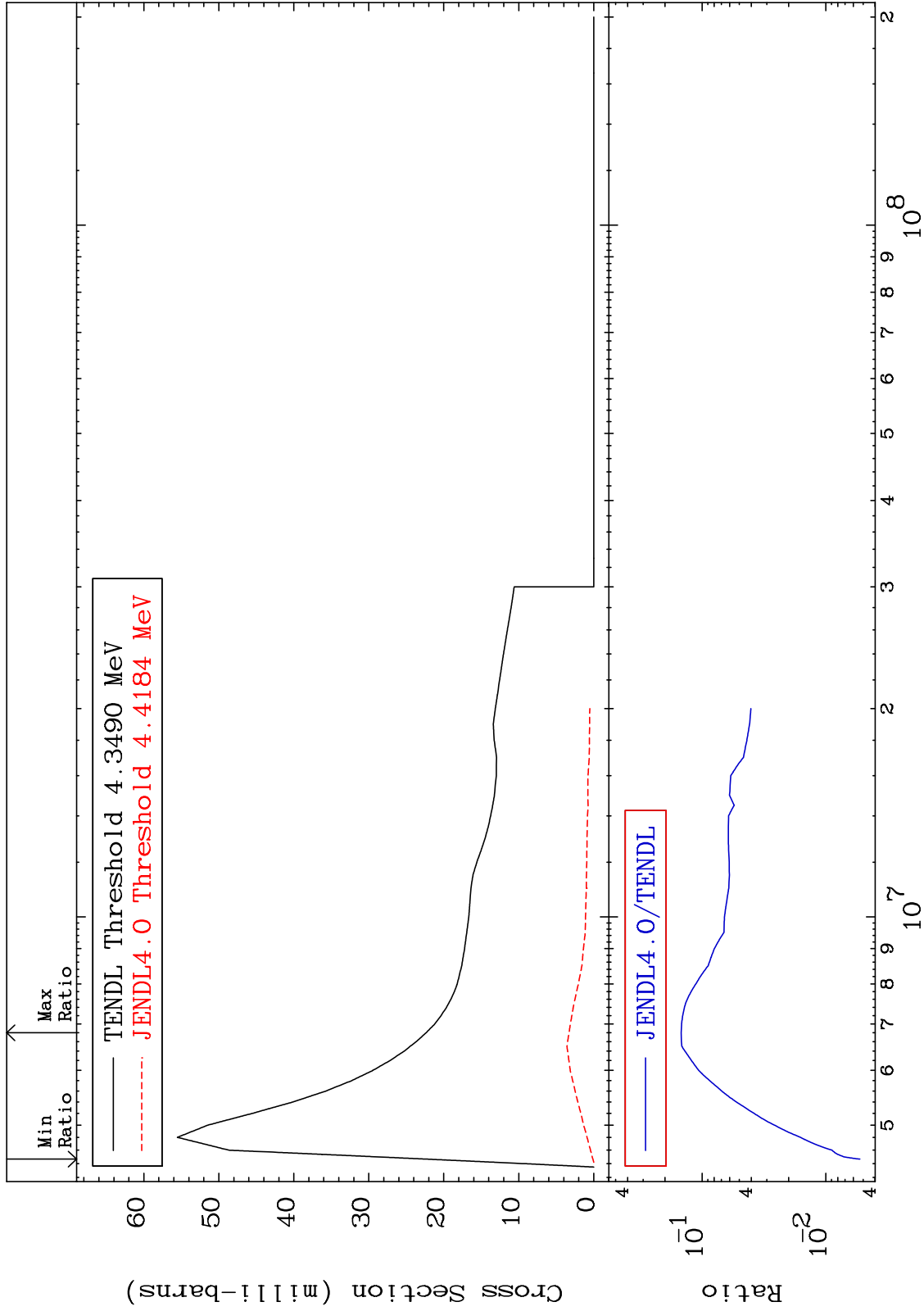
38-Sr-88
-91.78 To 15.42 %



MAT 3837

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

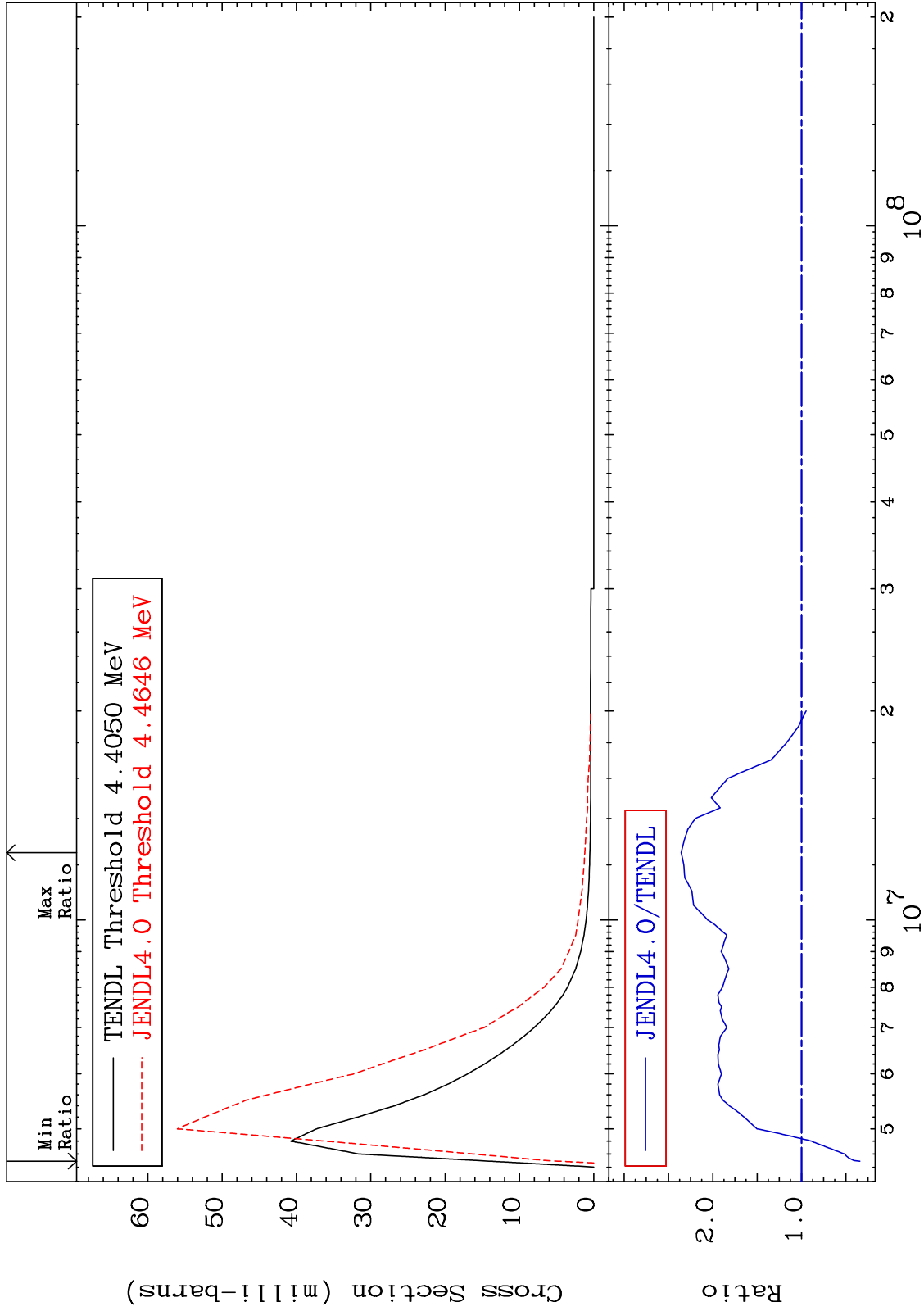
38-Sr-88
-99.47 To -85.24%



MAT 3837

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

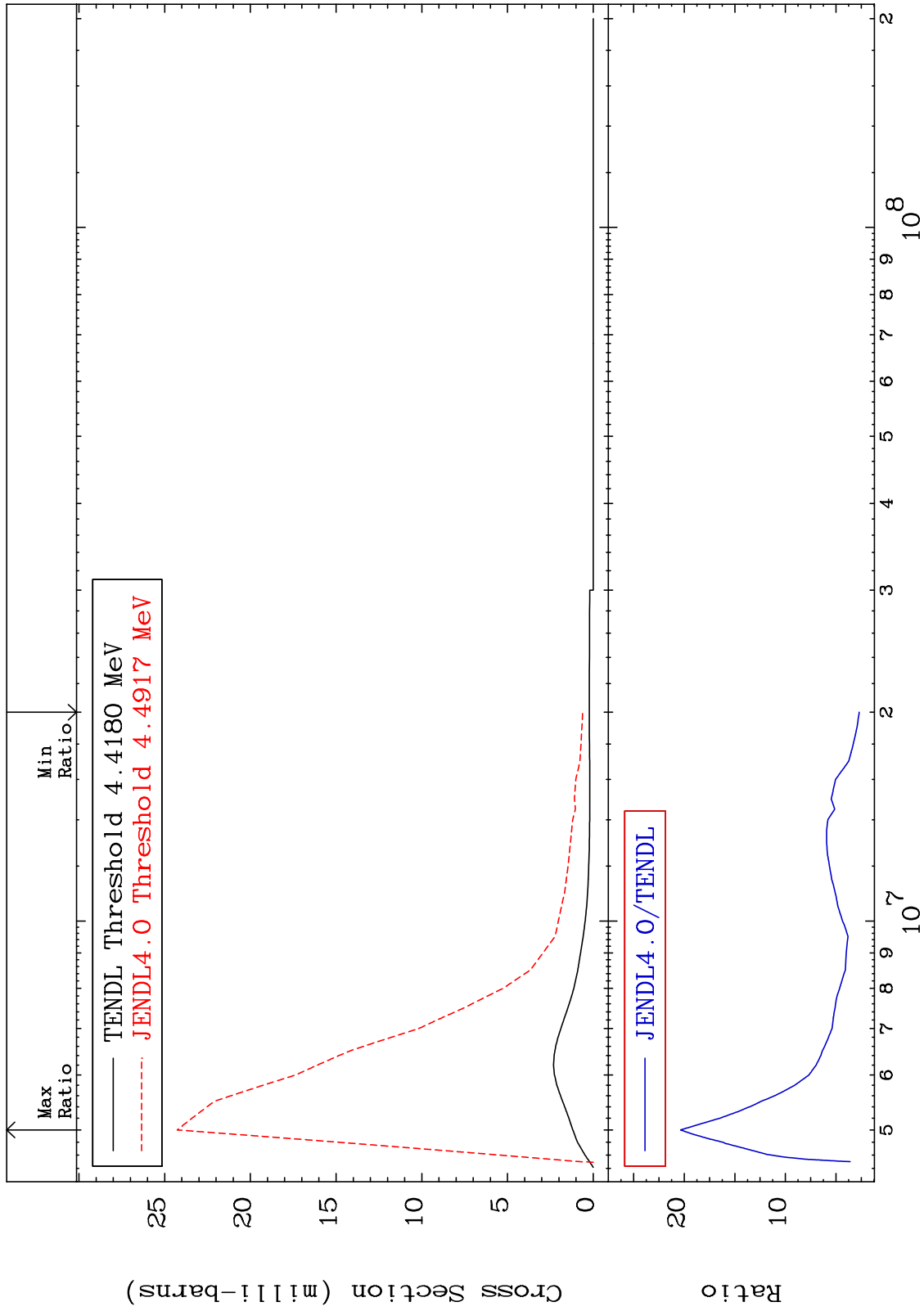
38-Sr-88
-65.85 To 135.6 %



MAT 3837

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

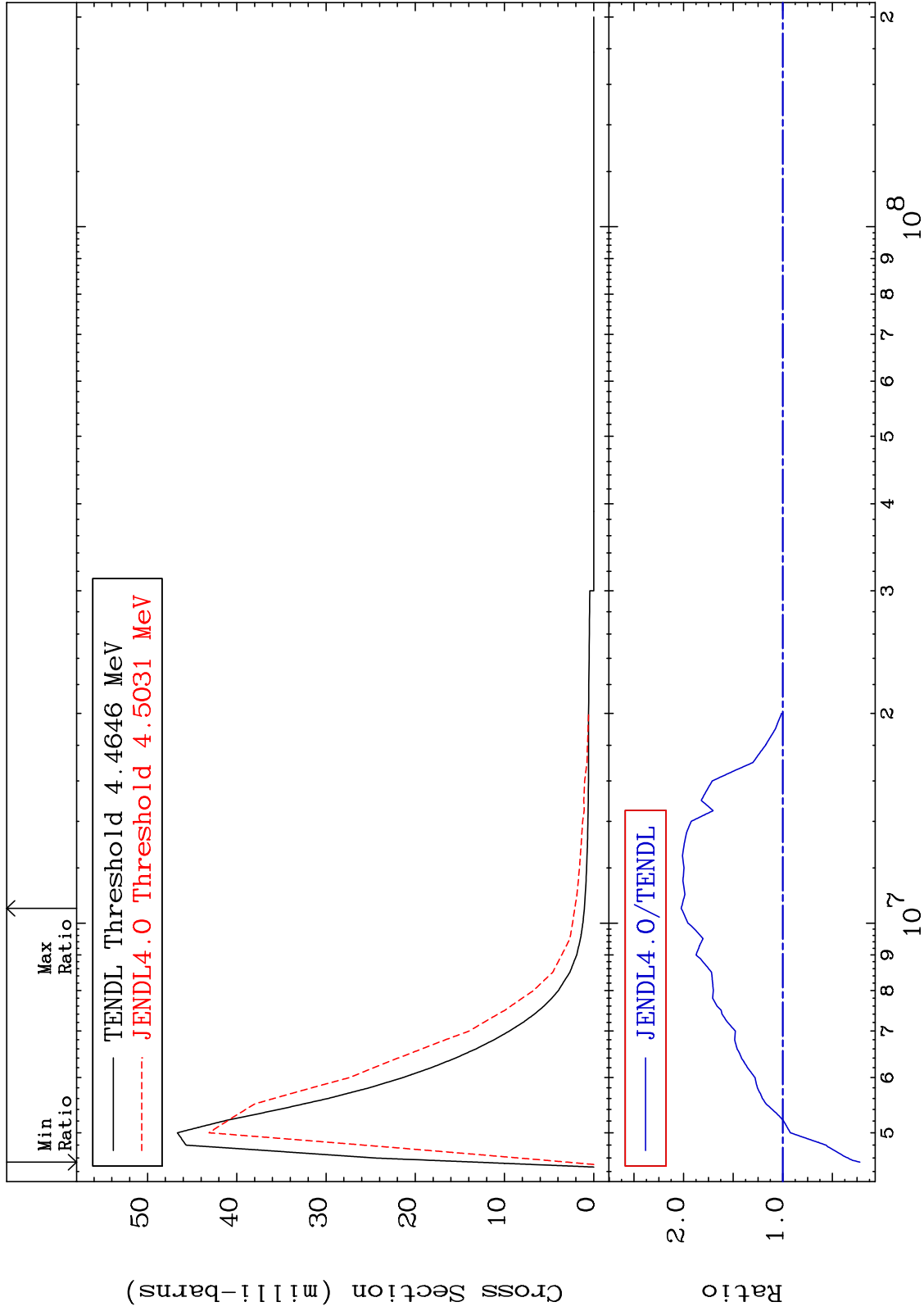
38-Sr-88
170.9 To 1936. %



MAT 3837

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

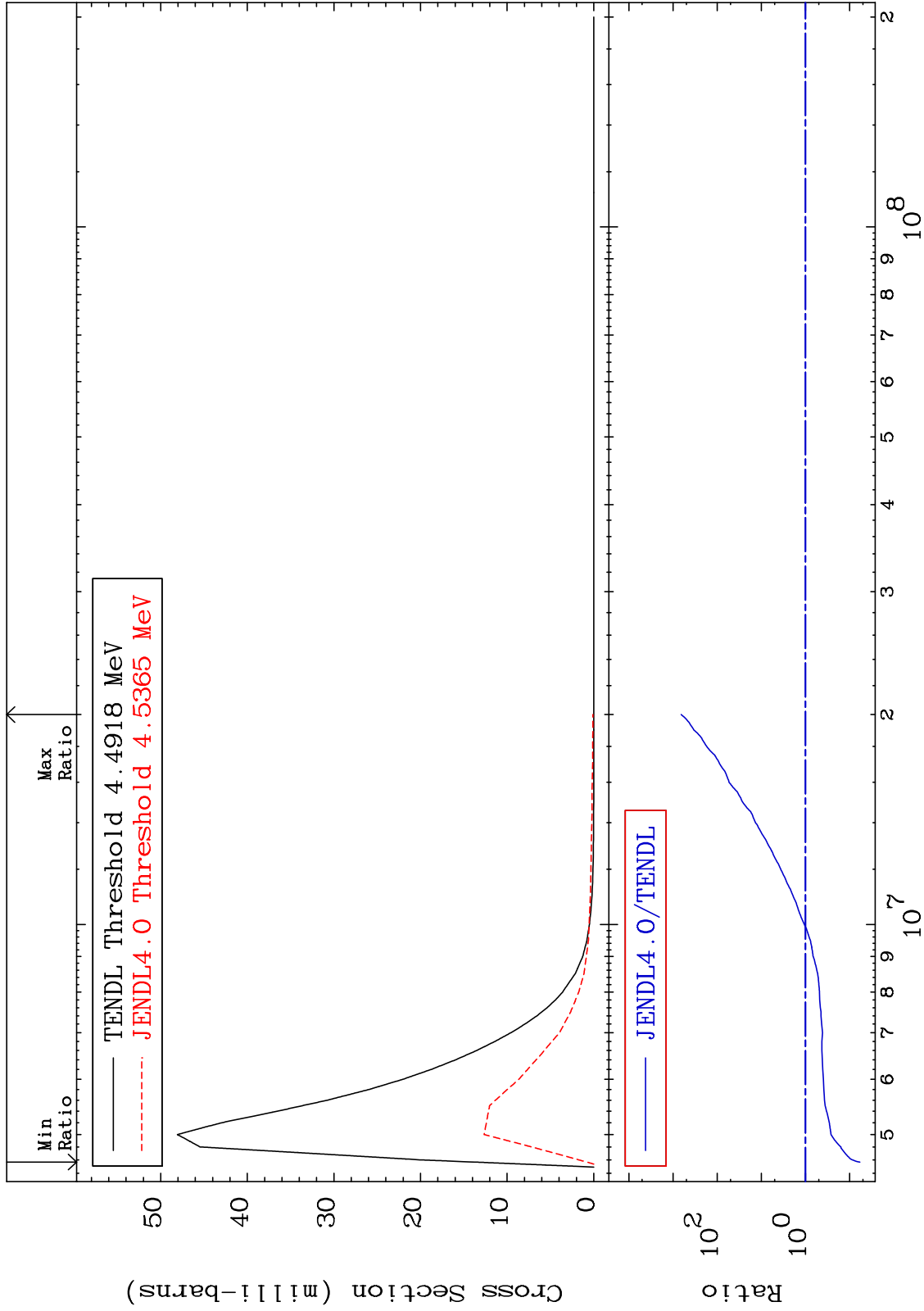
38-Sr-88
-77.80 To 102.4 %



MAT 3837

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

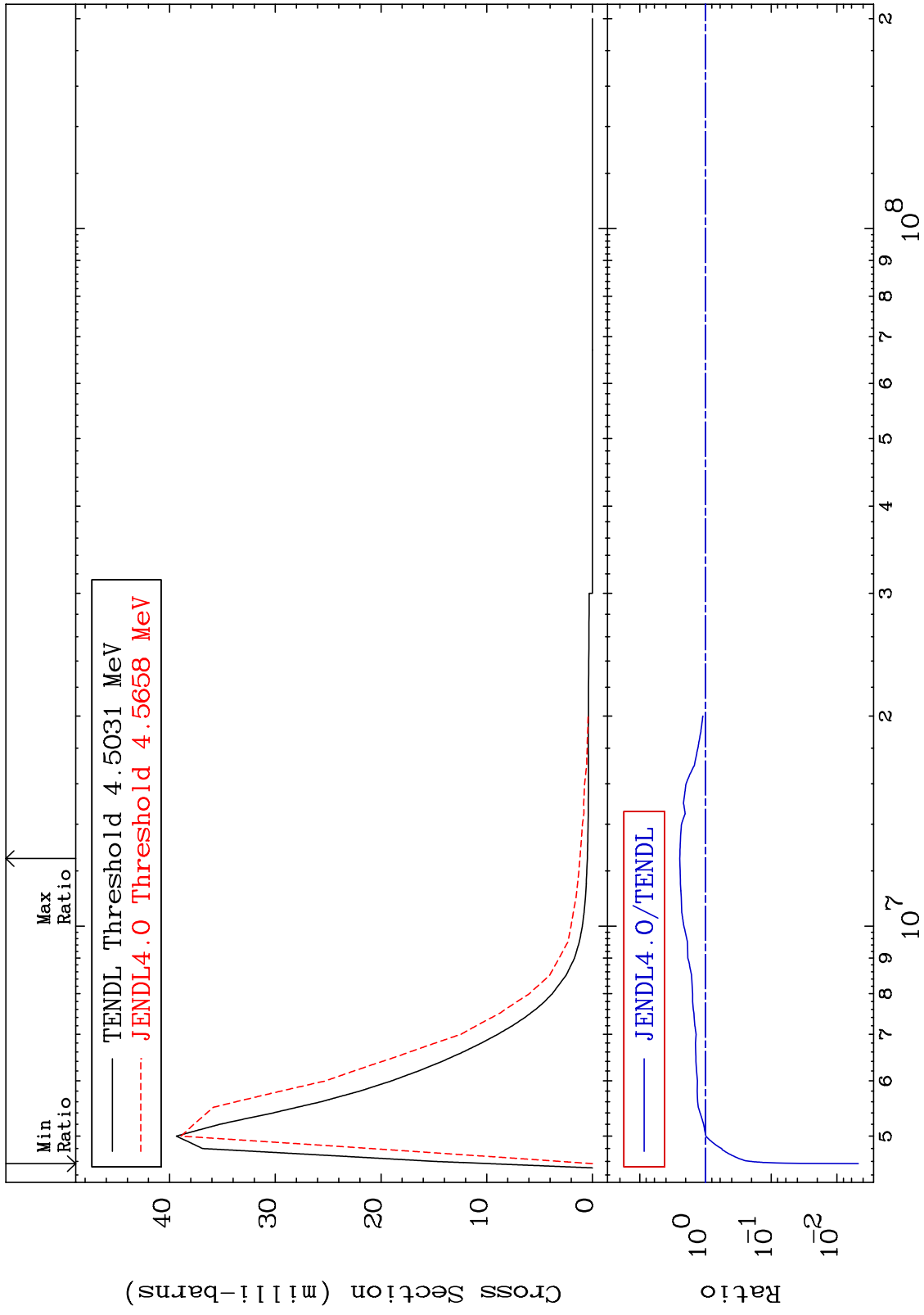
38-Sr-88
-94.17 To 9999. %



MAT 3837

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

38-Sr-88
-99.53 To 145.7 %



32

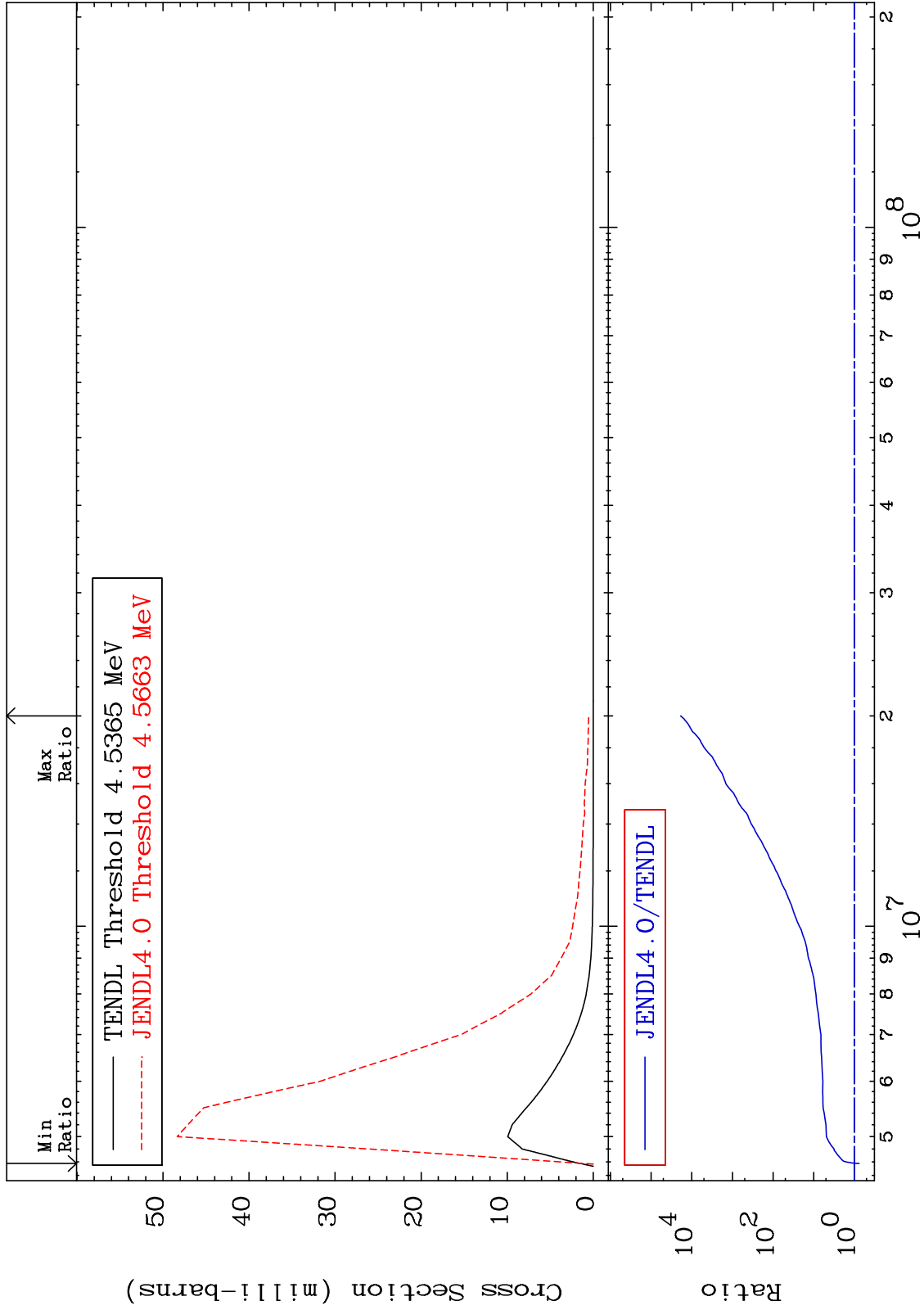
Incident Energy (eV)

38-Sr-88

MAT 3837

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

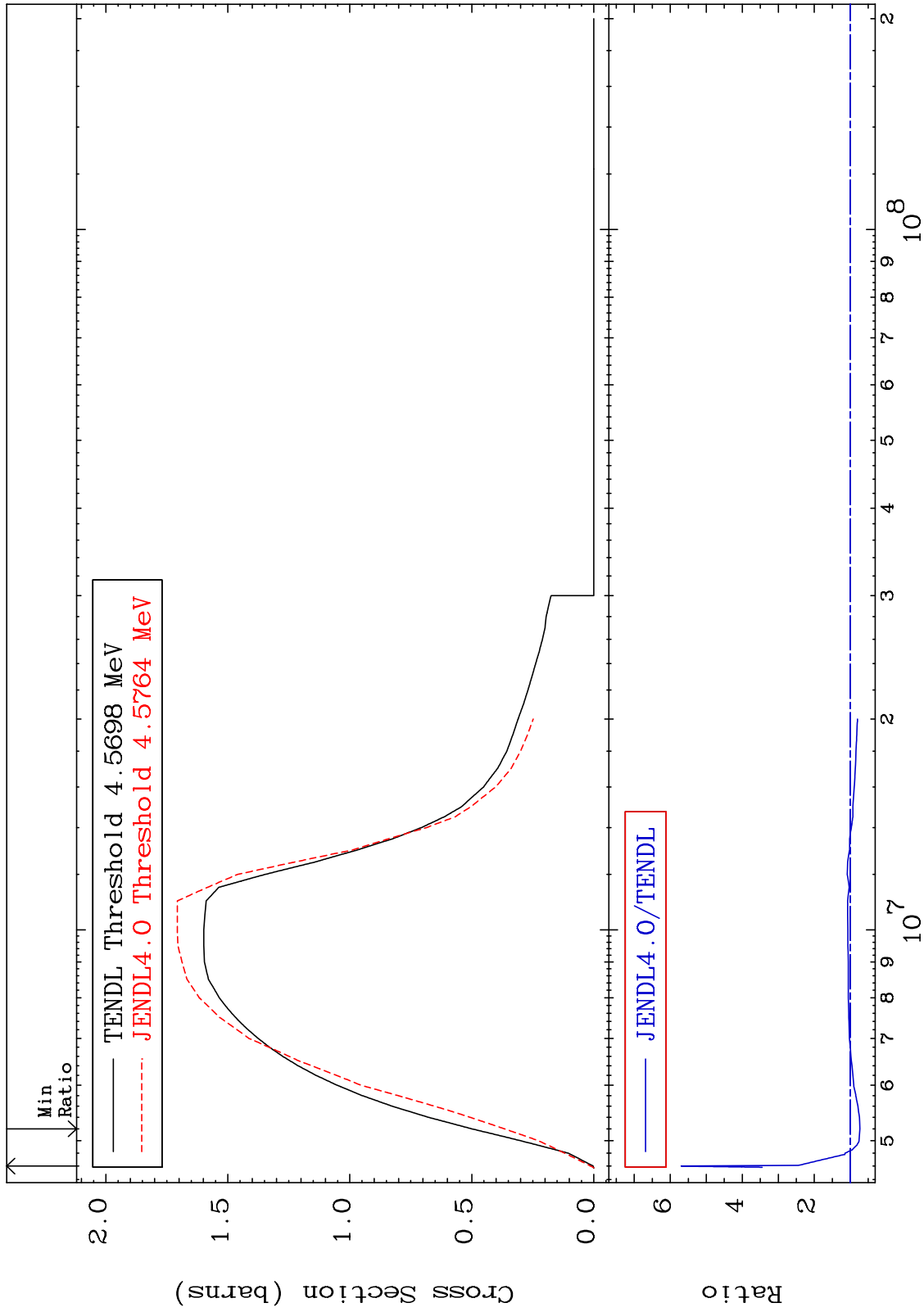
38-Sr-88
-24.23 To 9999. %



MAT 3837

(n,n') Continuum
Cross Section

38-Sr-88
-26.78 To 469.6 %



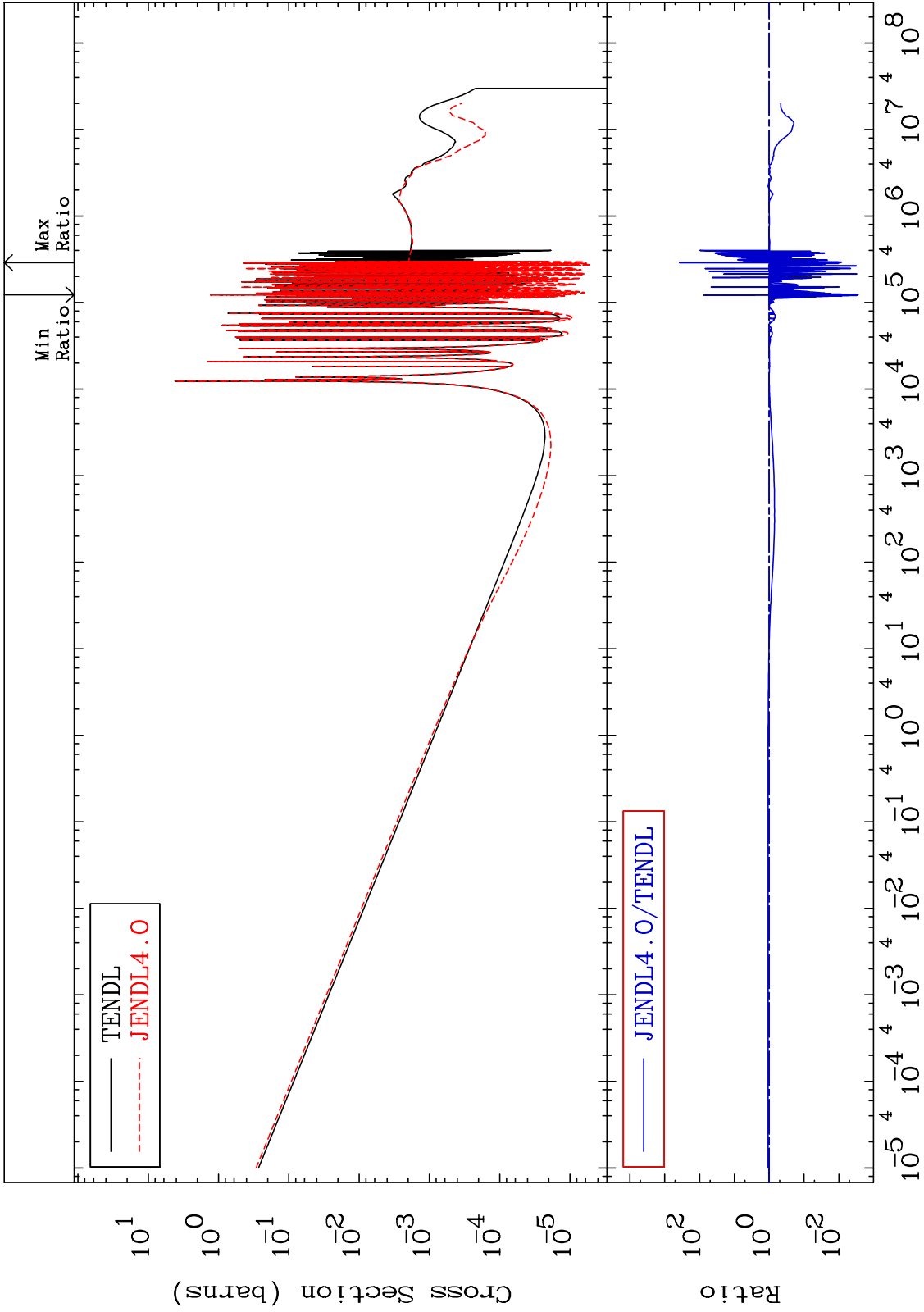
MAT 3837

(n, γ)

38-Sr-88

Cross Section

-99.72 To 9999. %



35

Incident Energy (eV)

38-Sr-88

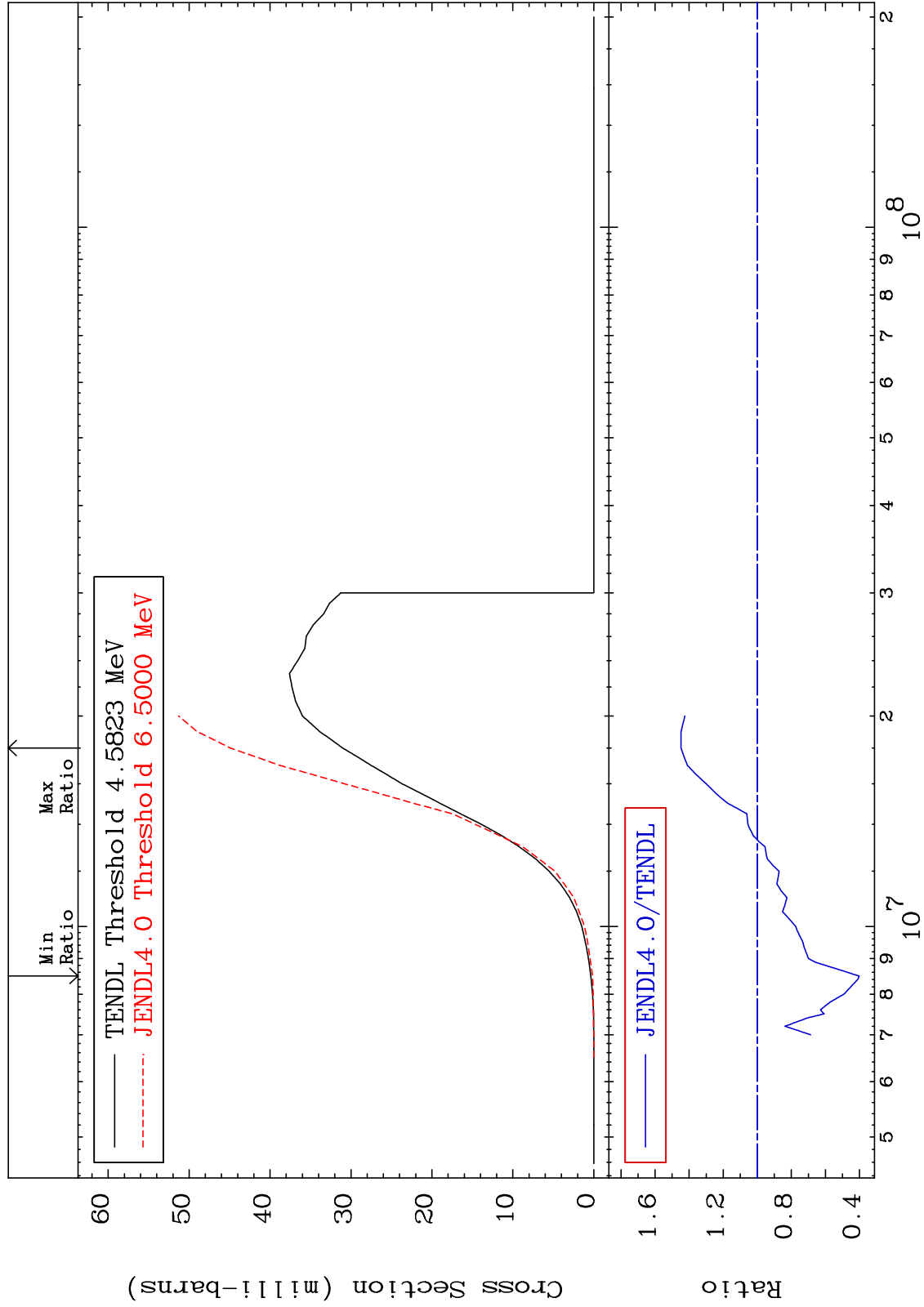
MAT 3837

(n,p)

38-Sr-88

Cross Section

-59.88 To 44.76 %



36

Incident Energy (eV)

38-Sr-88

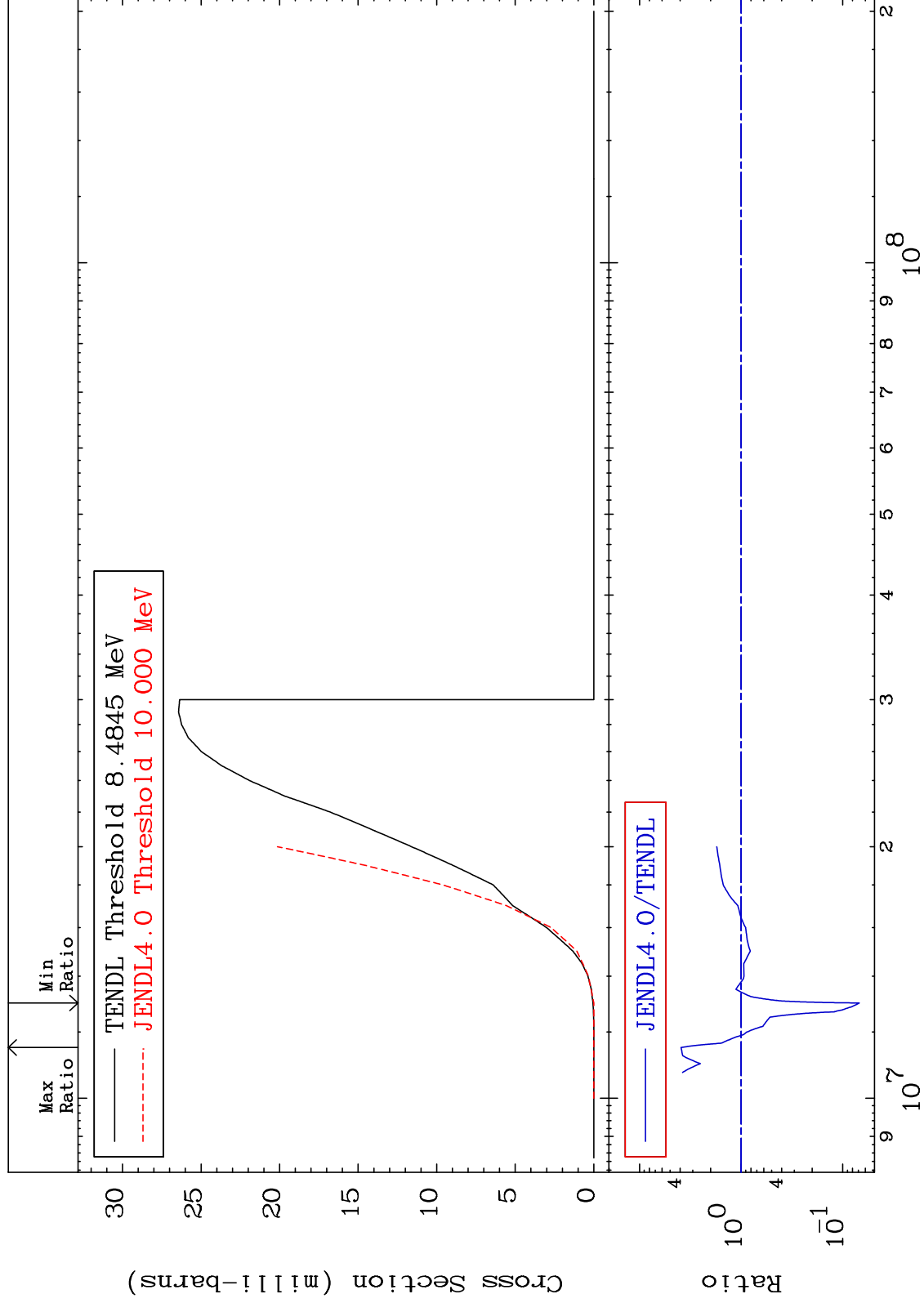
MAT 3837

(n, d)

38-Sr-88

Cross Section

-93.13 To 290.7 %



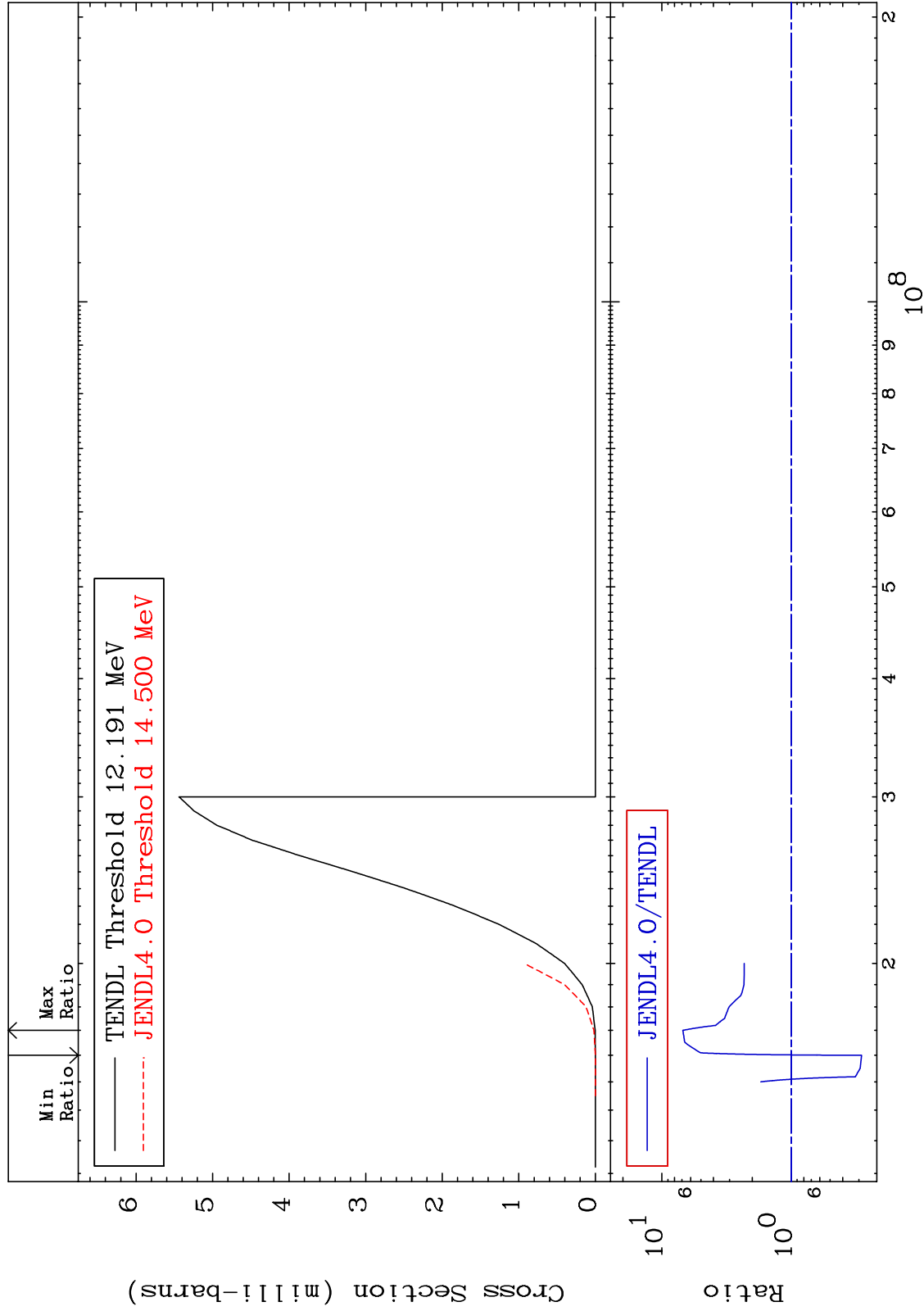
37

Incident Energy (eV)

38-Sr-88

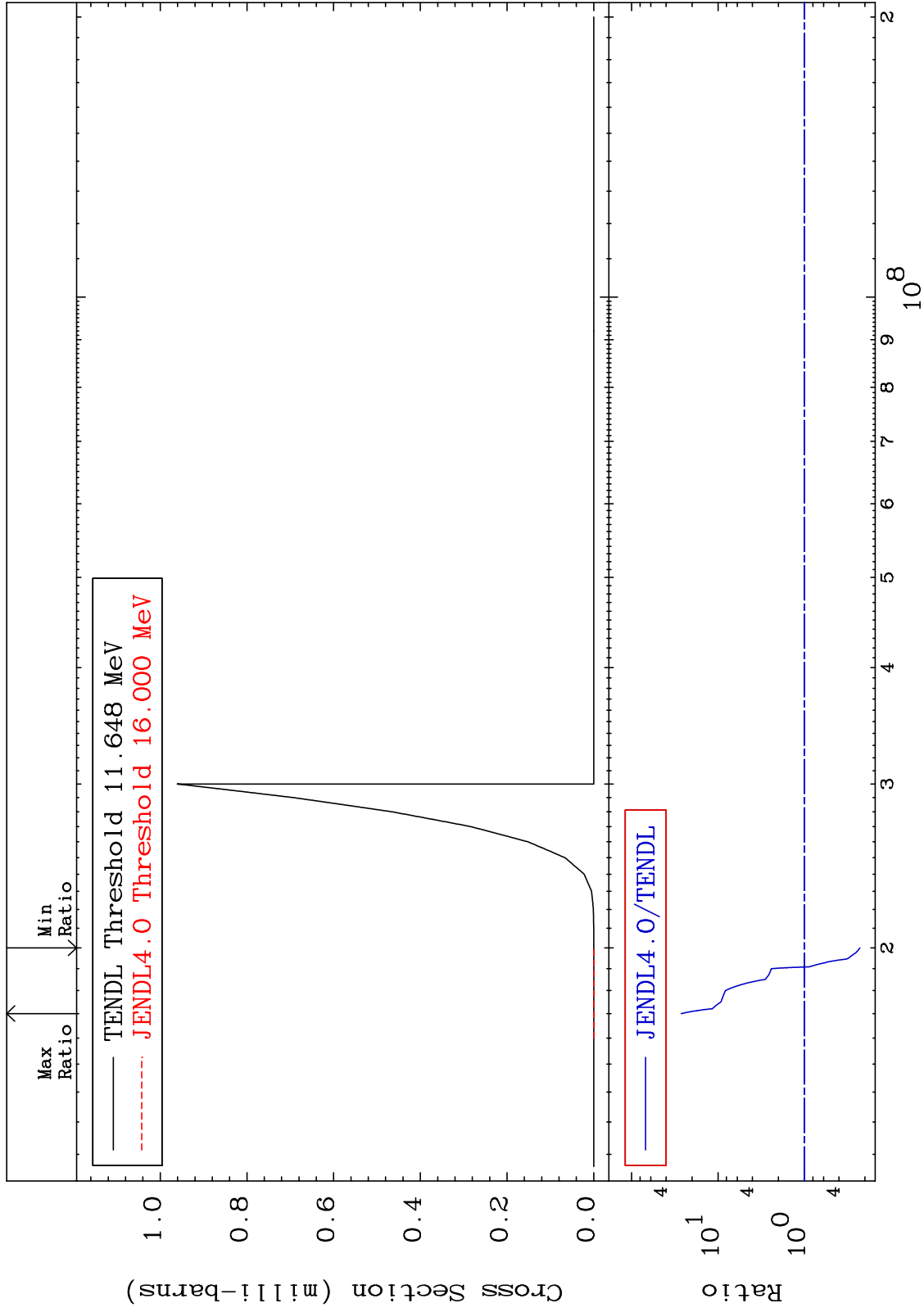
Cross Section

-71.44 To 588.6 %



Cross Section

-77.22 To 2567. %



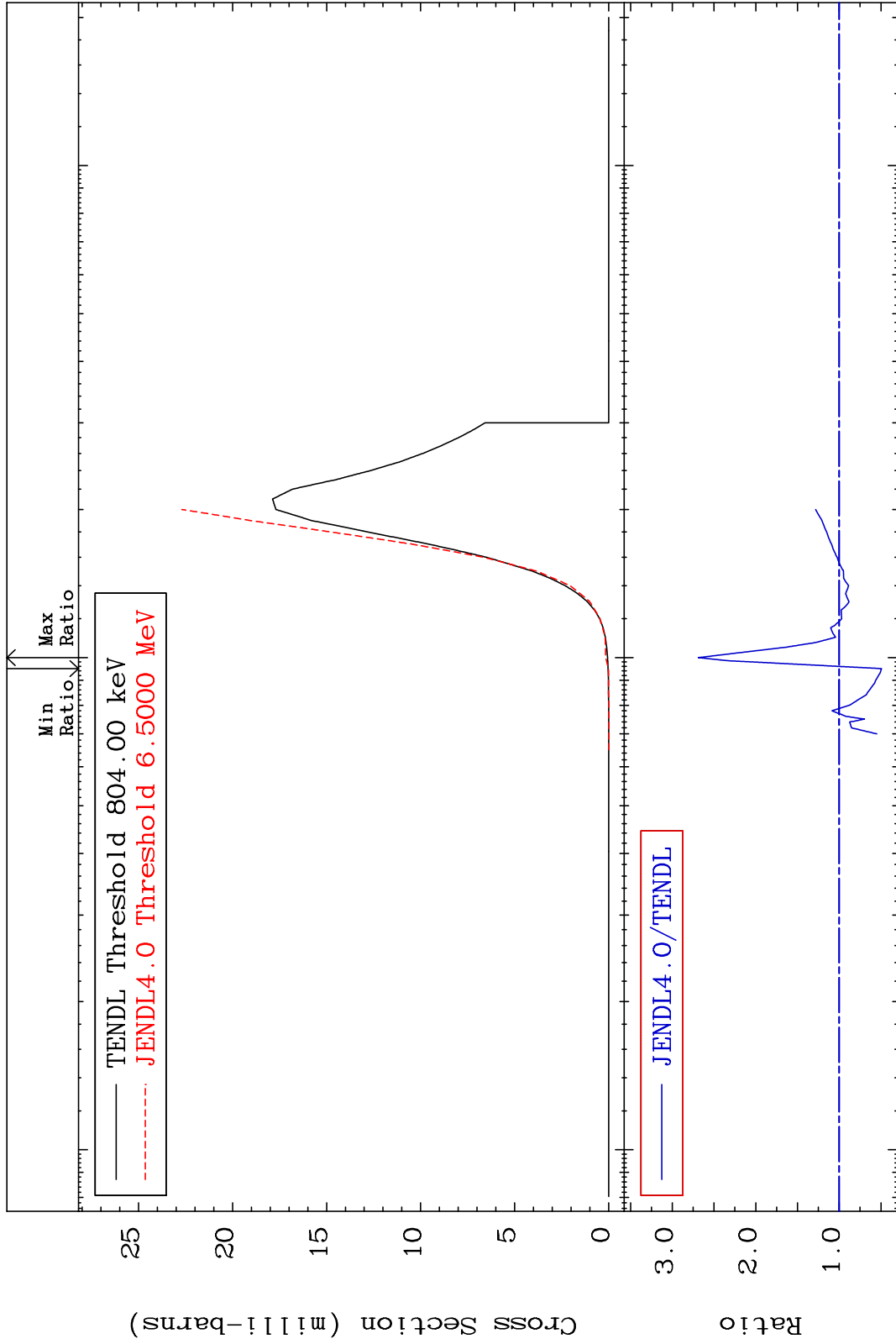
MAT 3837

(n, α)

38-Sr-88

-50.72 To 168.8 %

Cross Section



Incident Energy (eV)

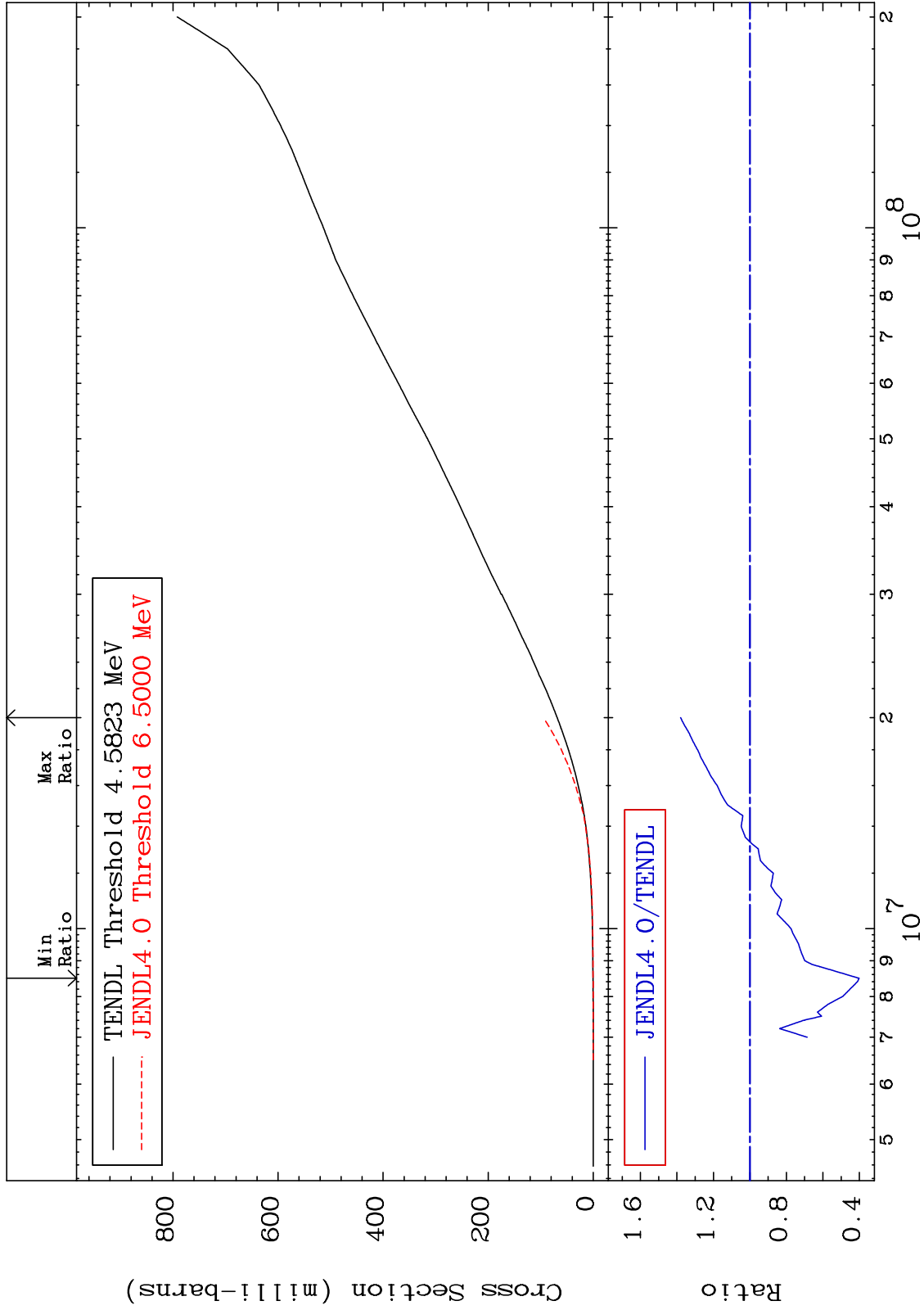
38-Sr-88

40

MAT 3837

Hydrogen Production
Cross Section

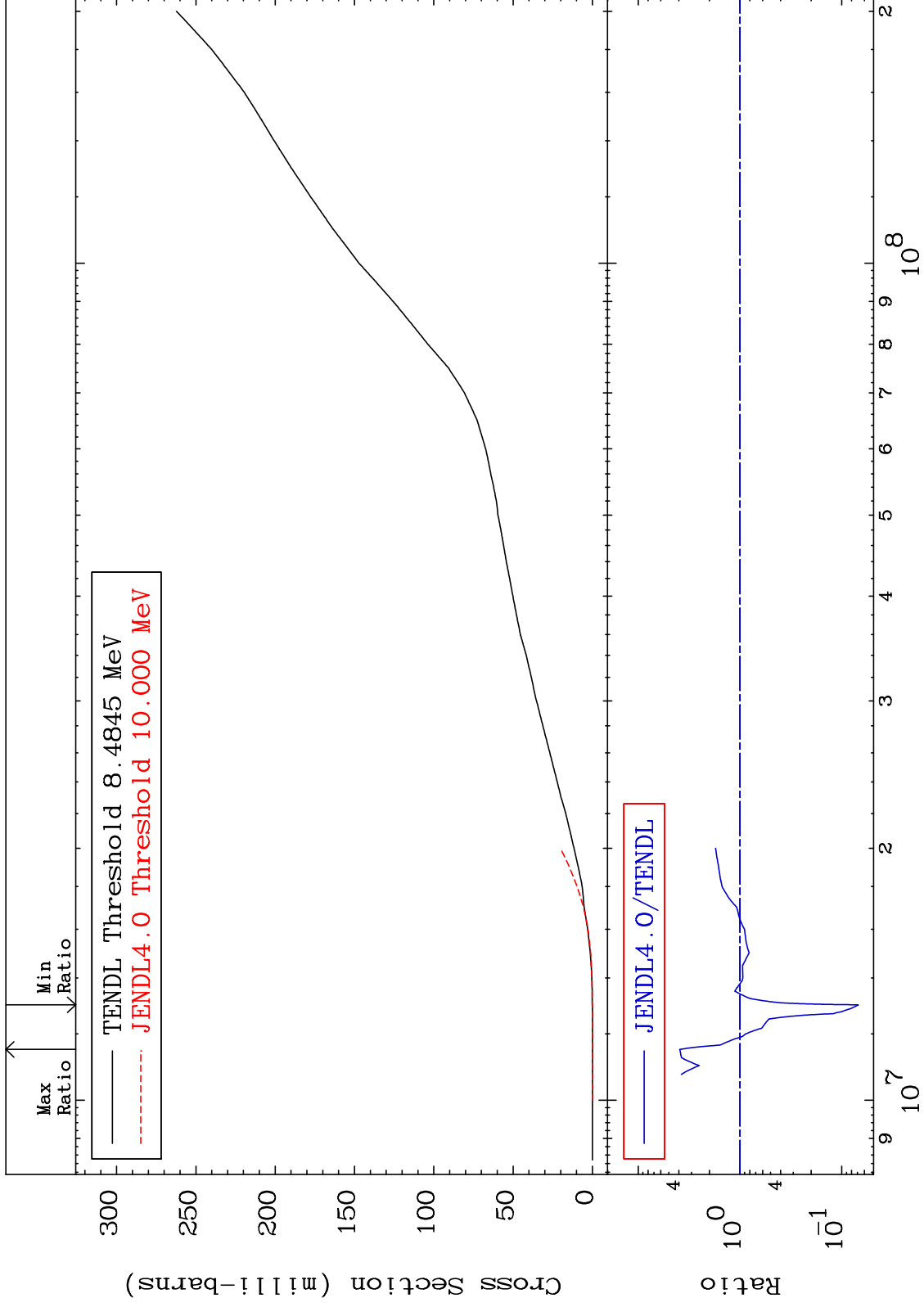
38-Sr-88
-59.88 To 37.97 %



MAT 3837

Deuterium Production
Cross Section

38-Sr-88
-93.13 To 290.7 %



42

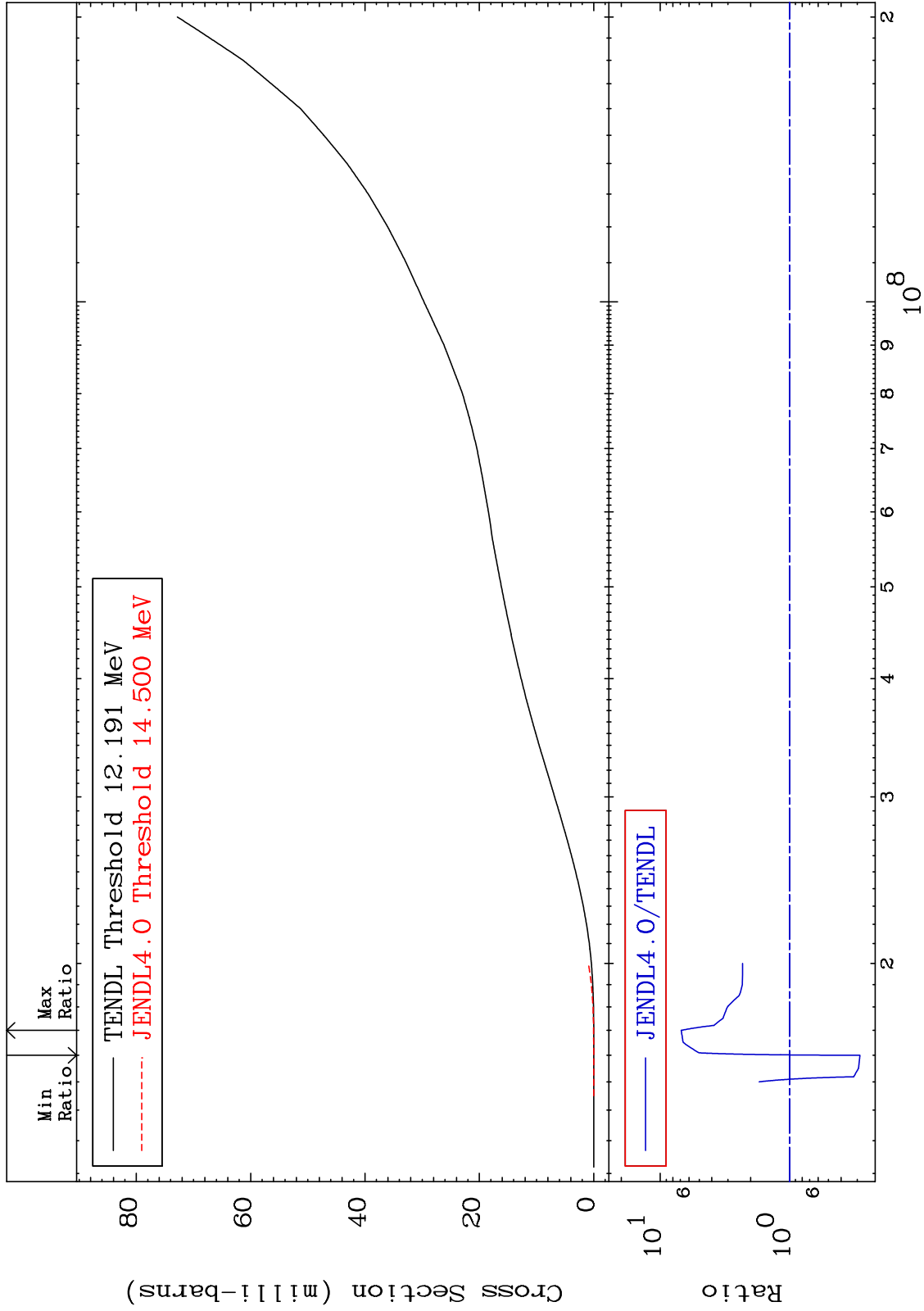
Incident Energy (eV)

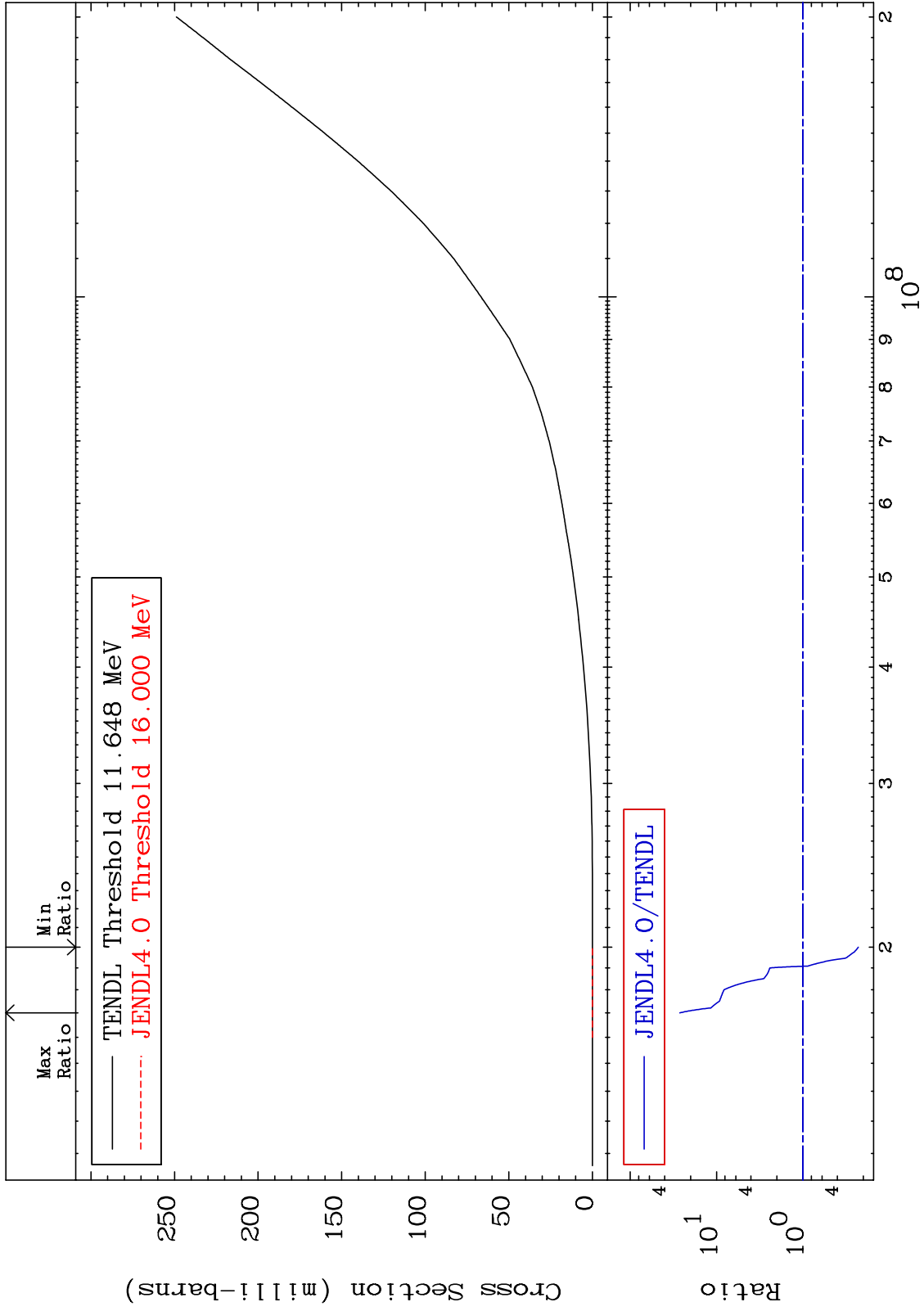
38-Sr-88

MAT 3837

Tritium Production
Cross Section

38-Sr-88
-71.44 To 588.6 %

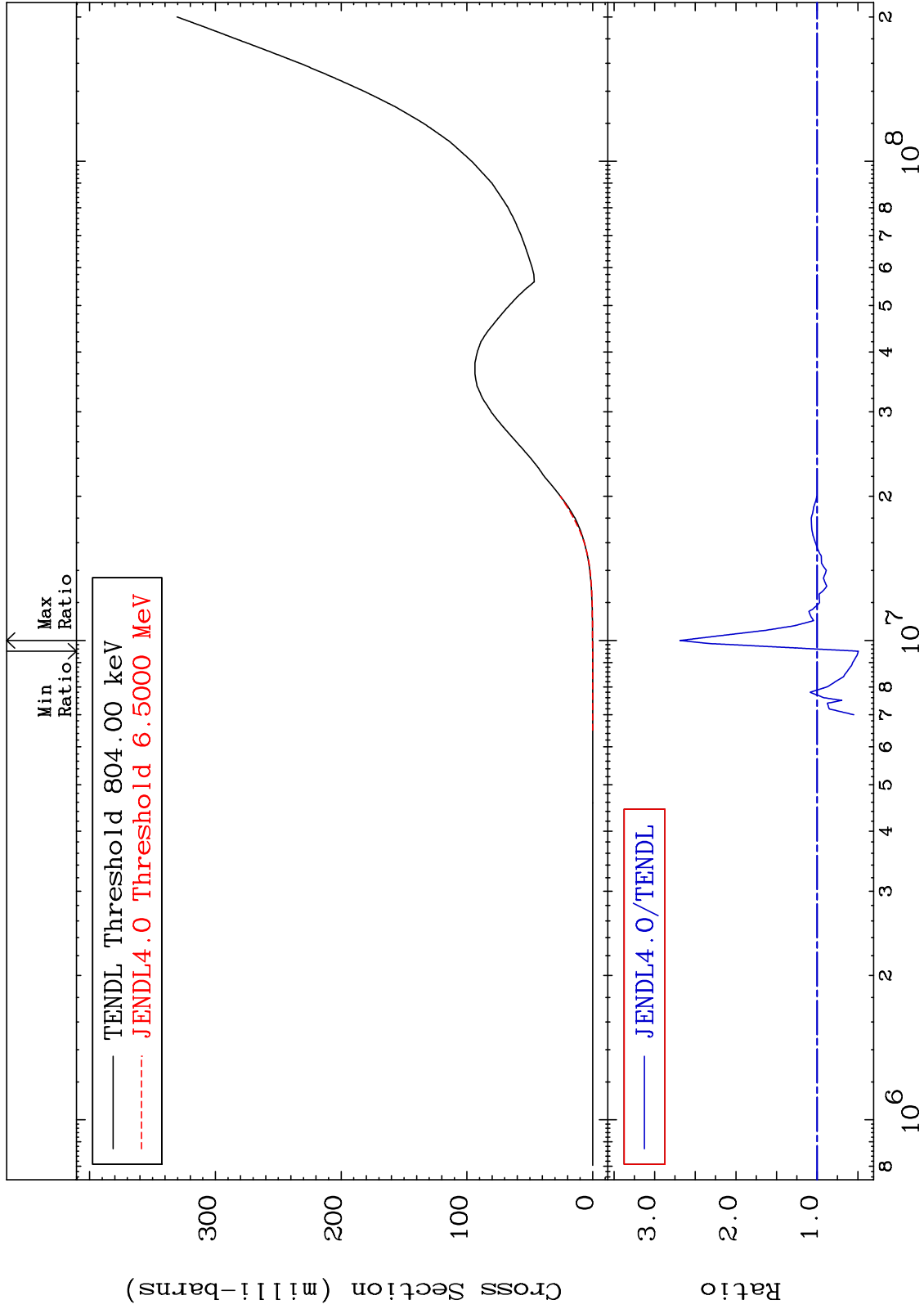




MAT 3837

He-4 Production
Cross Section

38-Sr-88
-50.72 To 168.8 %



45

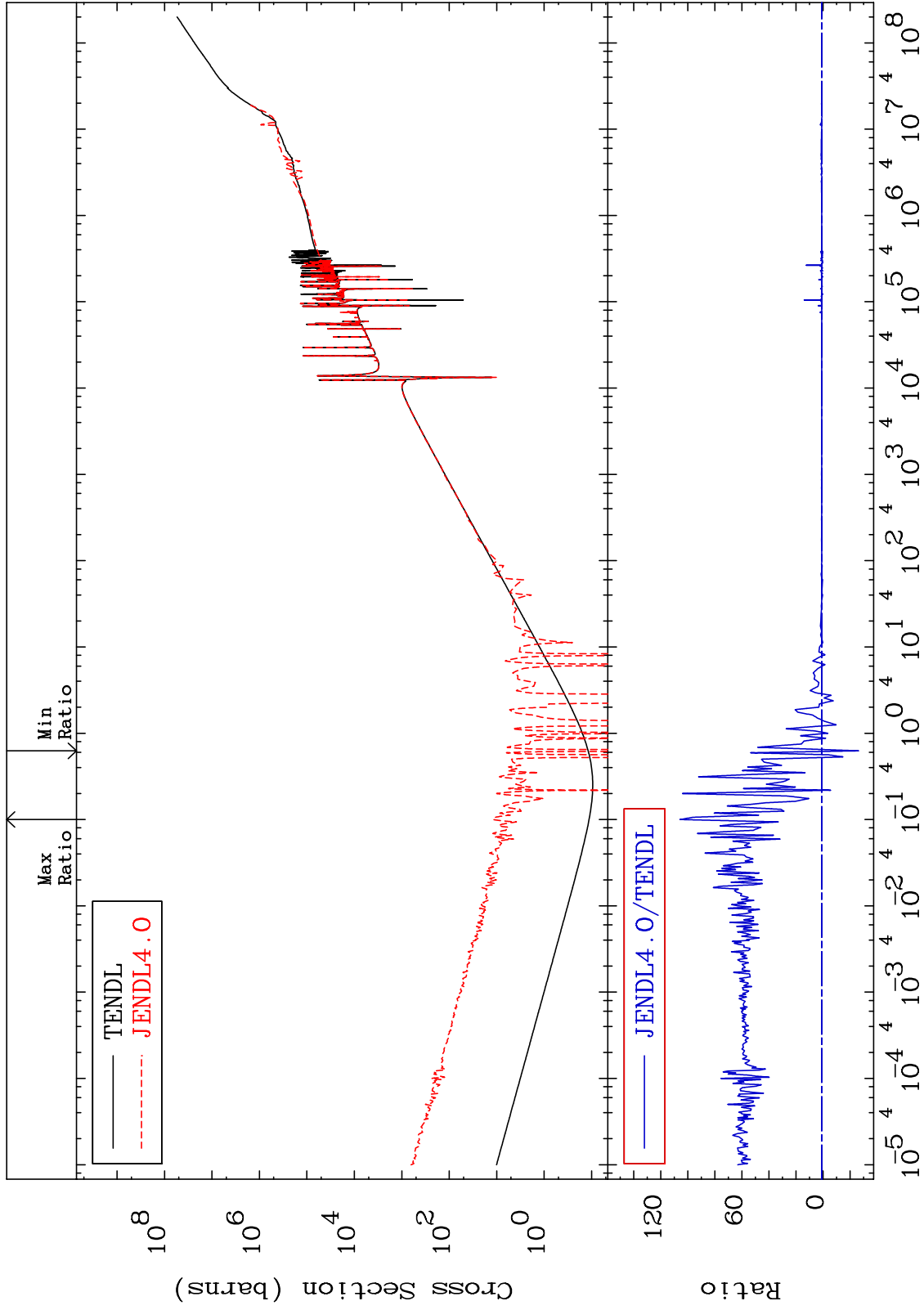
Incident Energy (eV)

38-Sr-88

MAT 3837

Kerma total (eV-barns)
Cross Section

38-Sr-88
-2717. To 9999. %



46

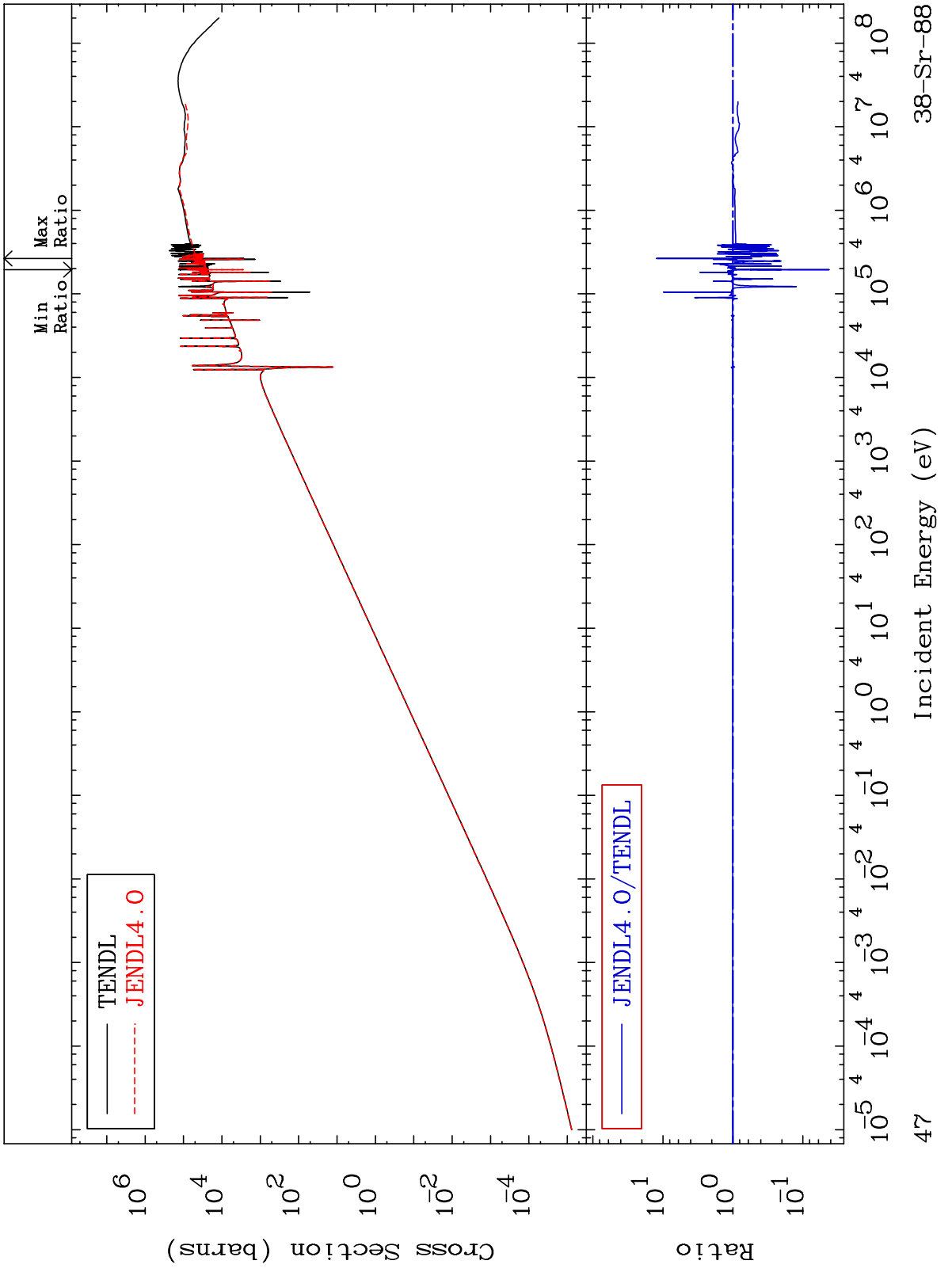
Incident Energy (eV)

38-Sr-88

MAT 3837

Kerma elastic
Cross Section

38-Sr-88
-95.77 To 1143. %



38-Sr-88

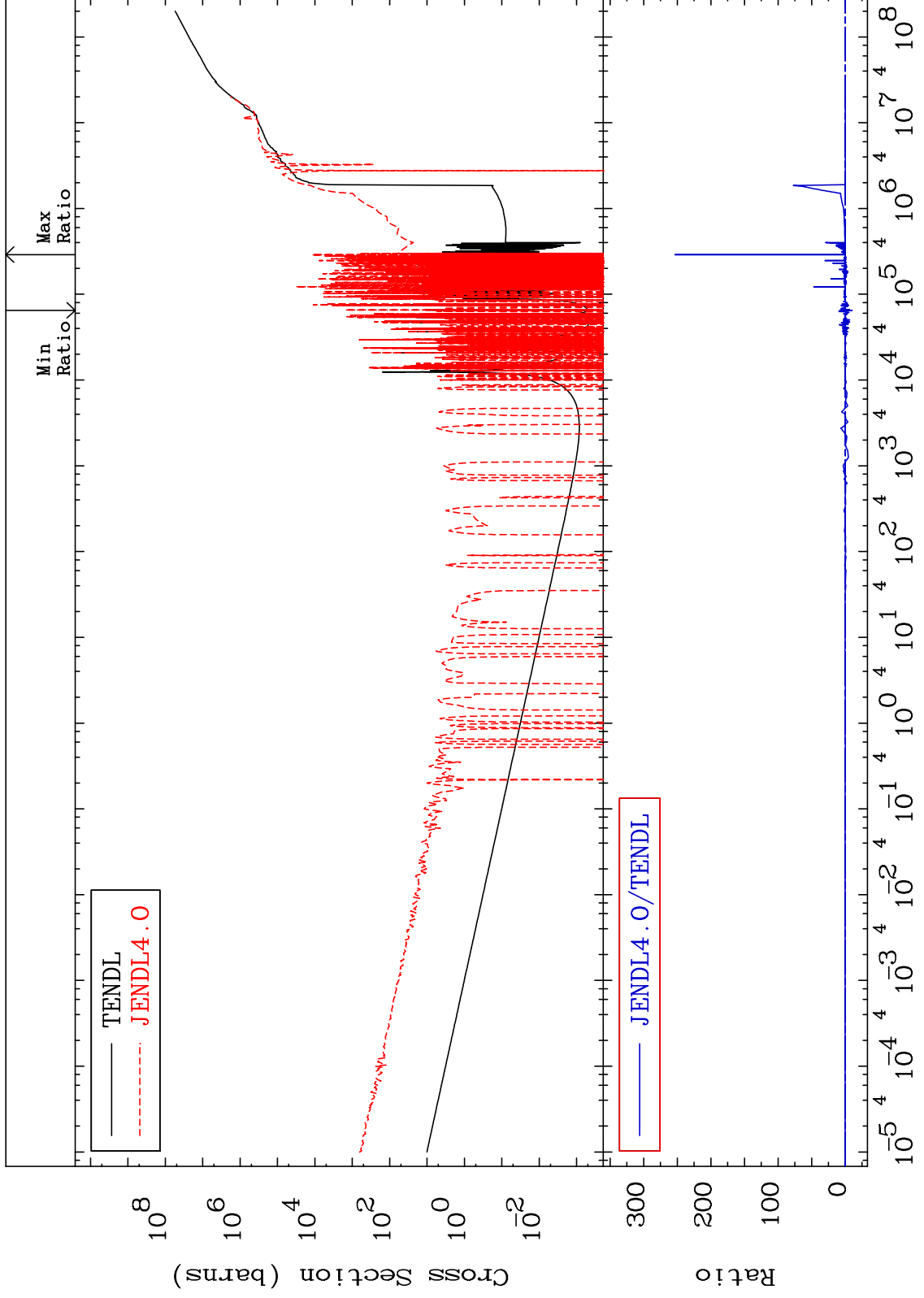
Incident Energy (eV)

47

MAT 3837

Kerma non-elastic (all but mt2)
Cross Section

38-Sr-88
-9999. To 9999. %



48

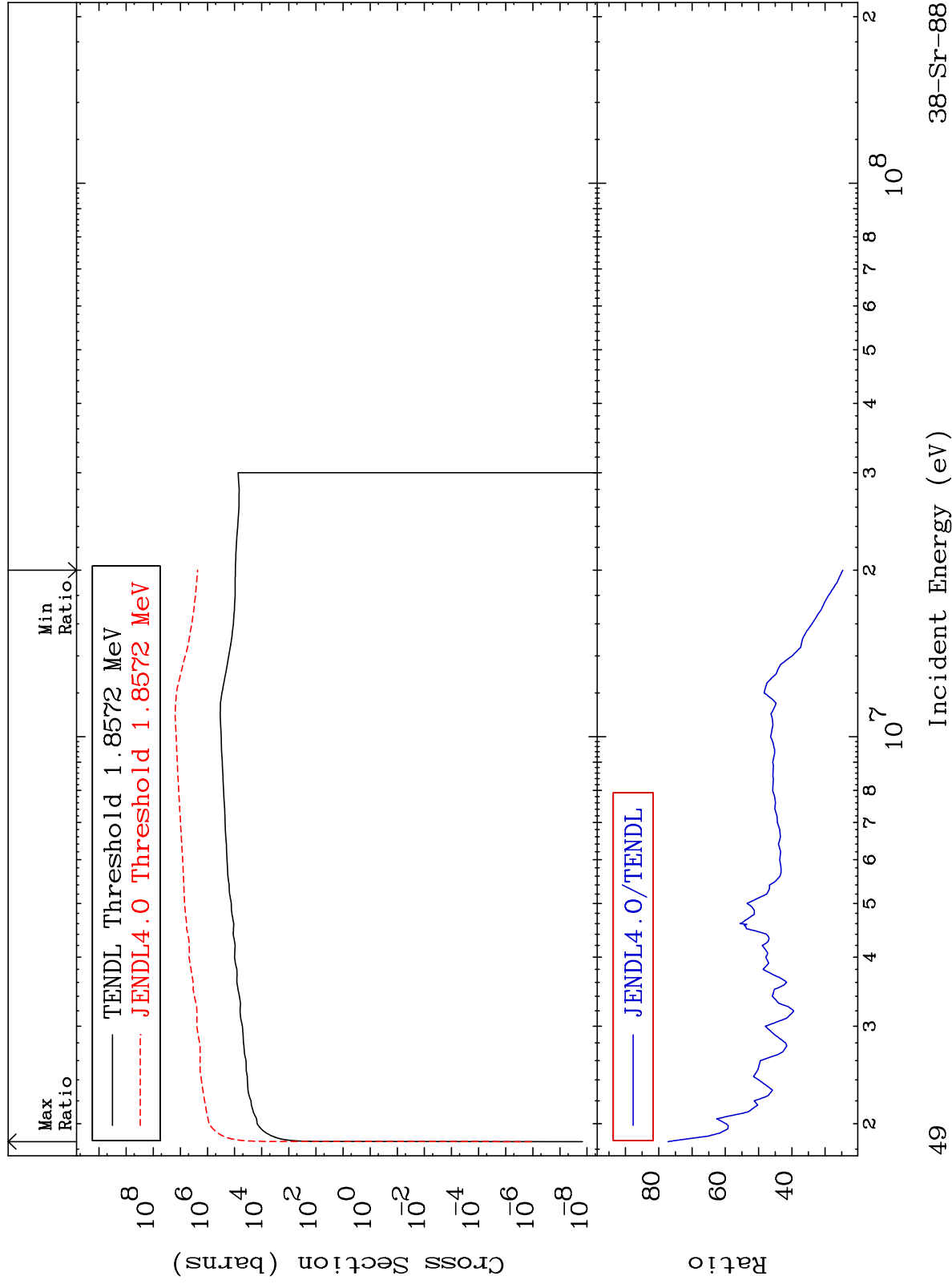
Incident Energy (eV)

38-Sr-88

MAT 3837

Kerma inelastic (mt51-91)
Cross Section

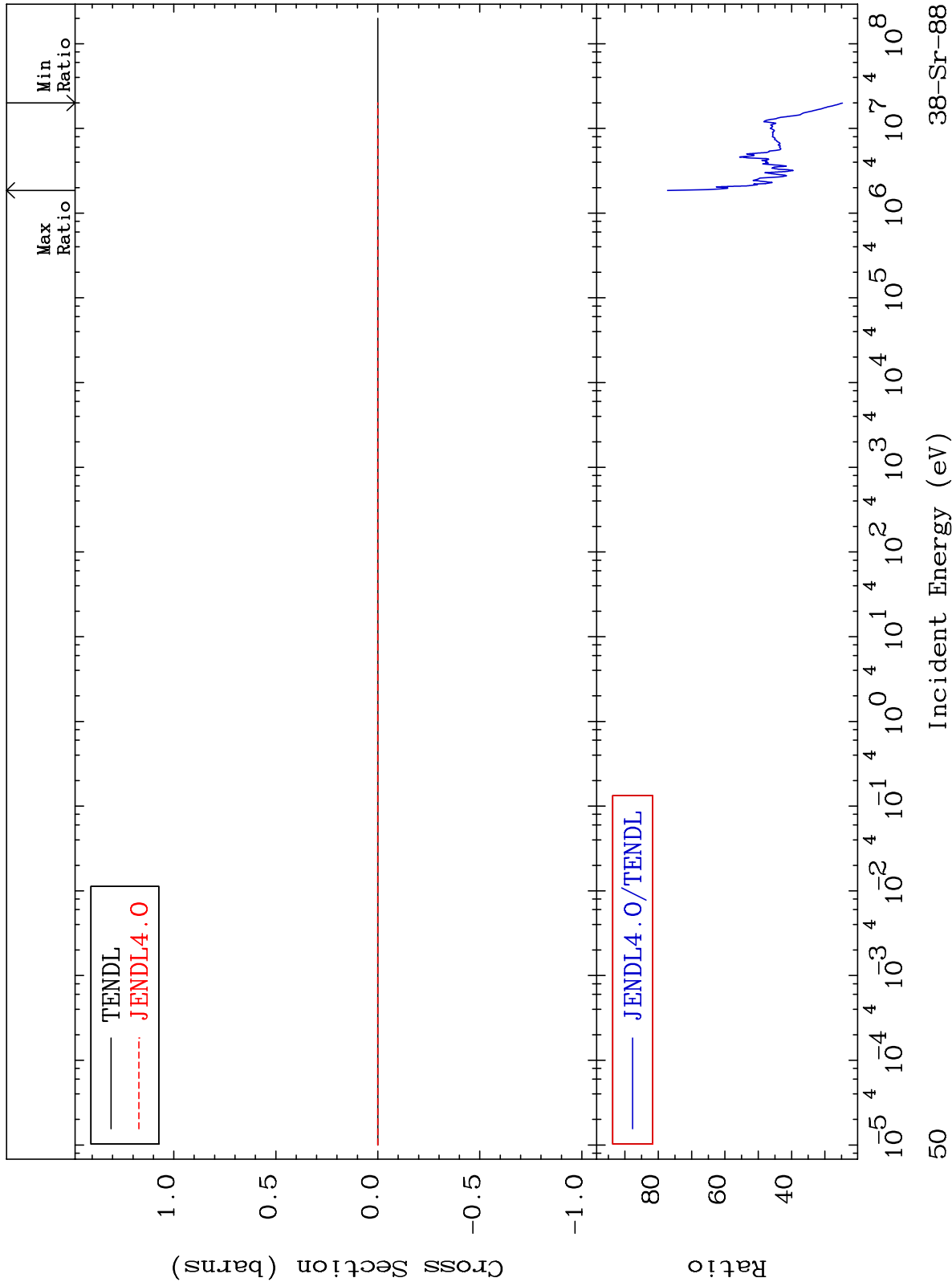
38-Sr-88
2367. To 7622. %



MAT 3837

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

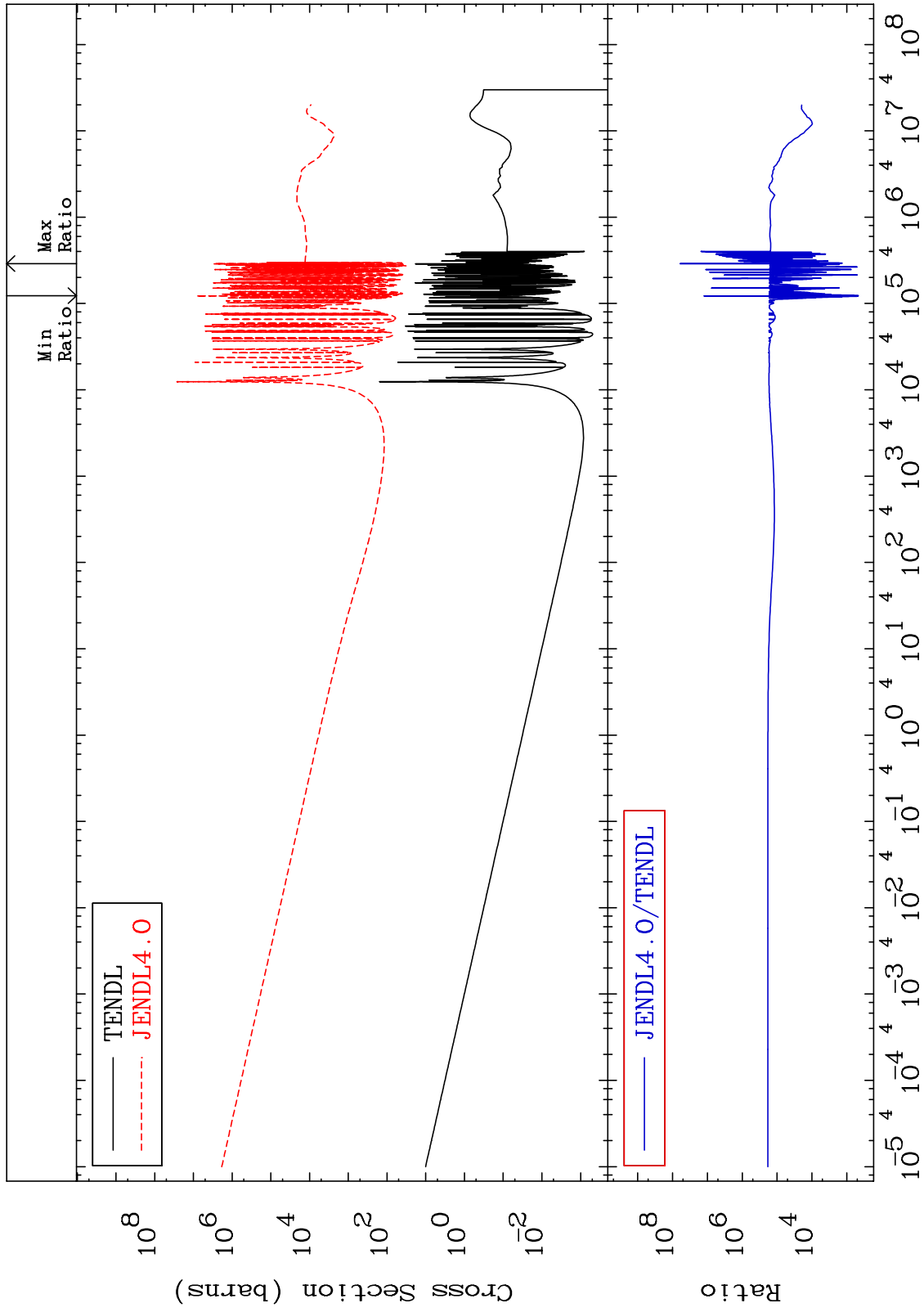
38-Sr-88
2367. To 7622. %



MAT 3837

Kerma capture (mt102)
Cross Section

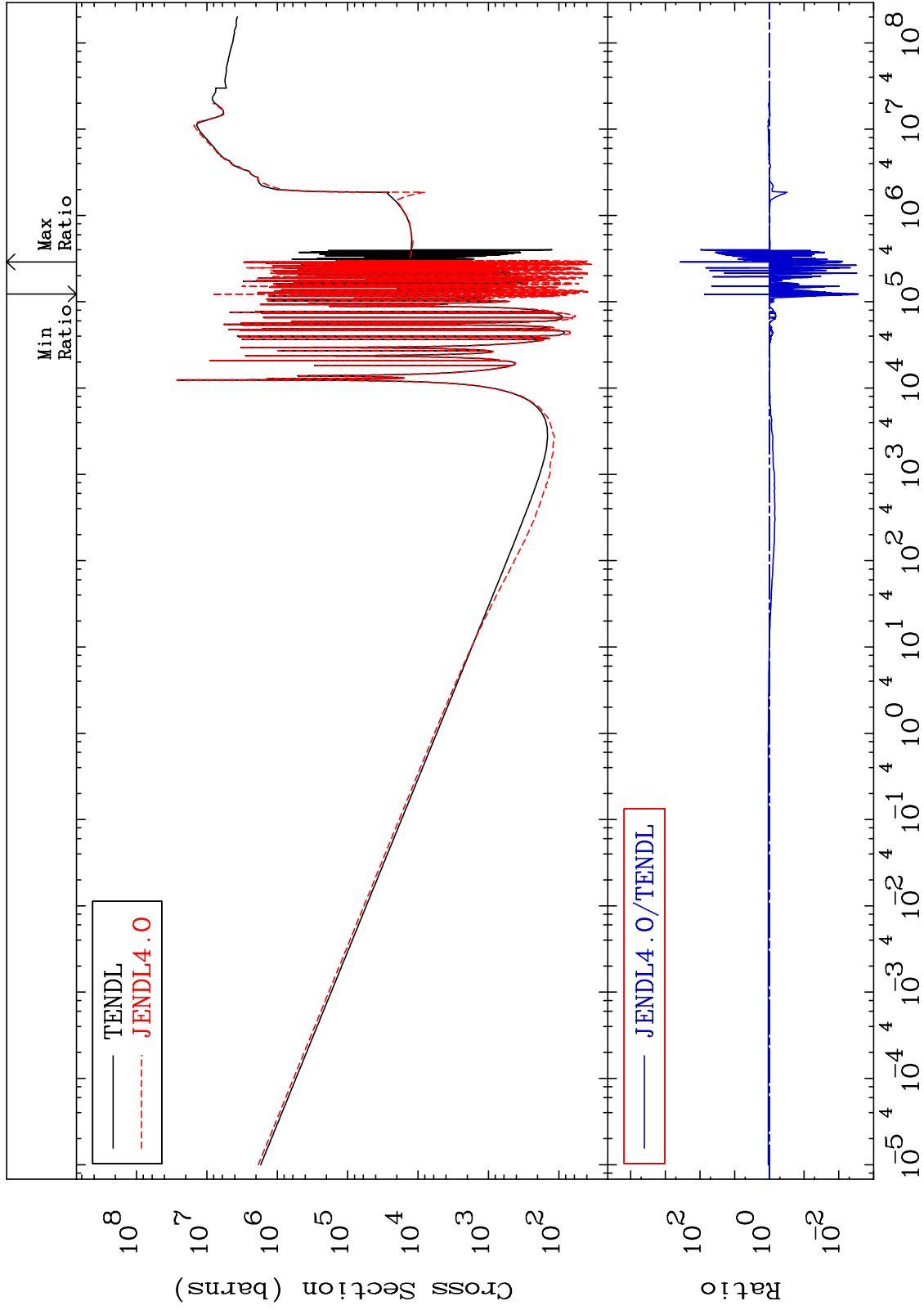
38-Sr-88
9999. To 9999. %



MAT 3837

Total photon (eV-barns)
Cross Section

38-Sr-88
-99.73 To 9999. %



52

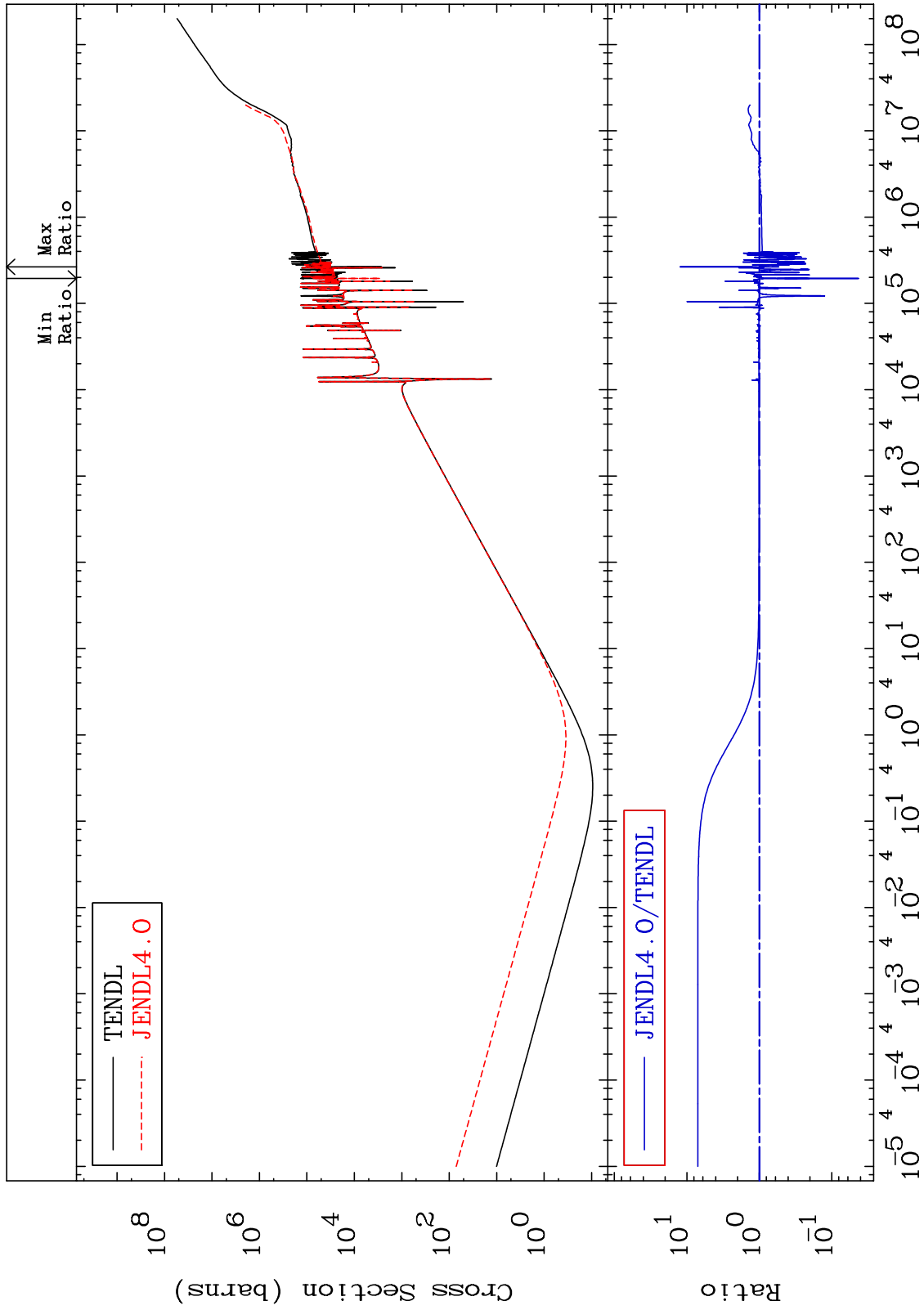
Incident Energy (eV)

38-Sr-88

MAT 3837

Total kinematic kerma (high limit)
Cross Section

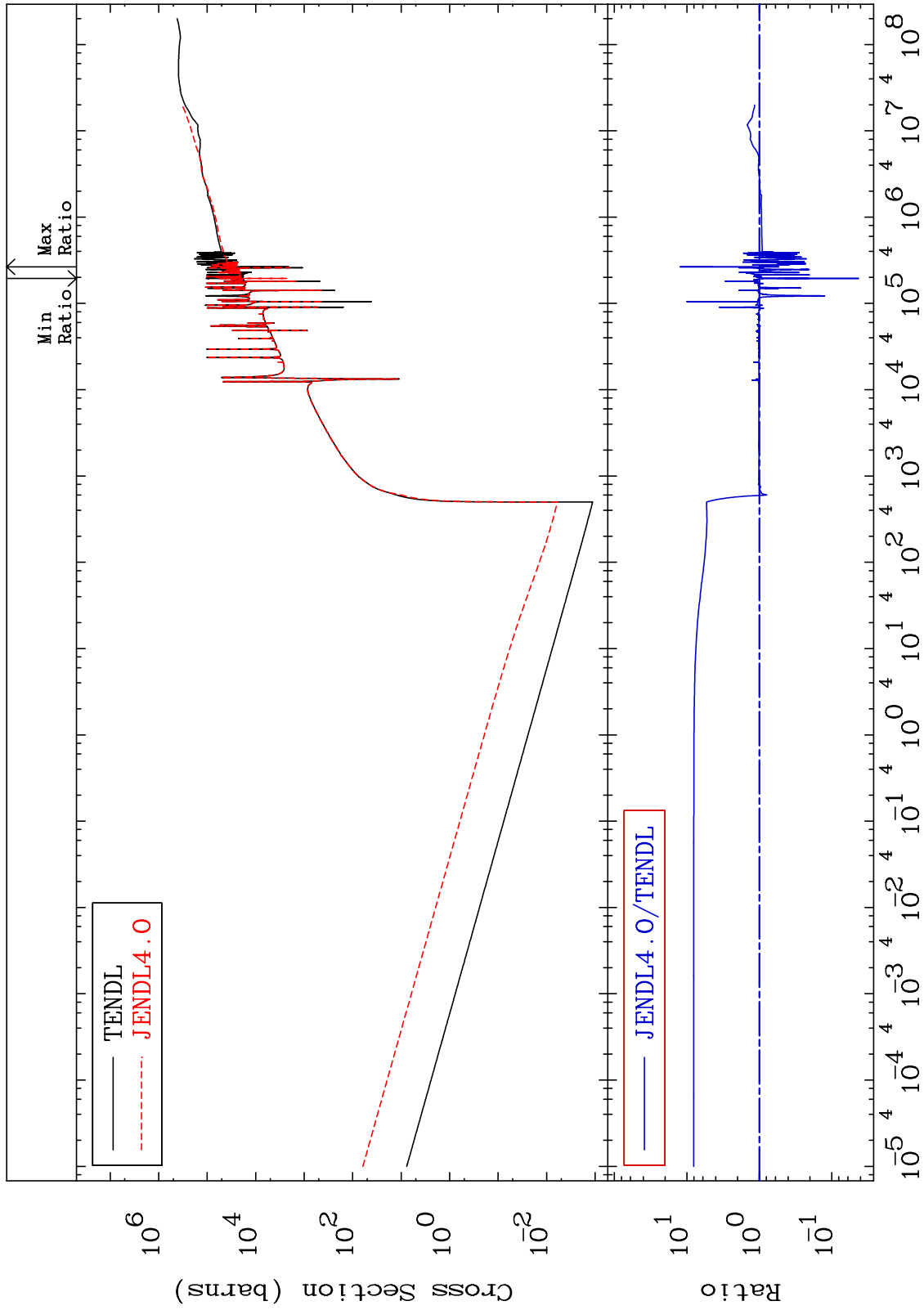
38-Sr-88
-95.71 To 1143. %



MAT 3837

Dpa total (eV-barns)
Cross Section

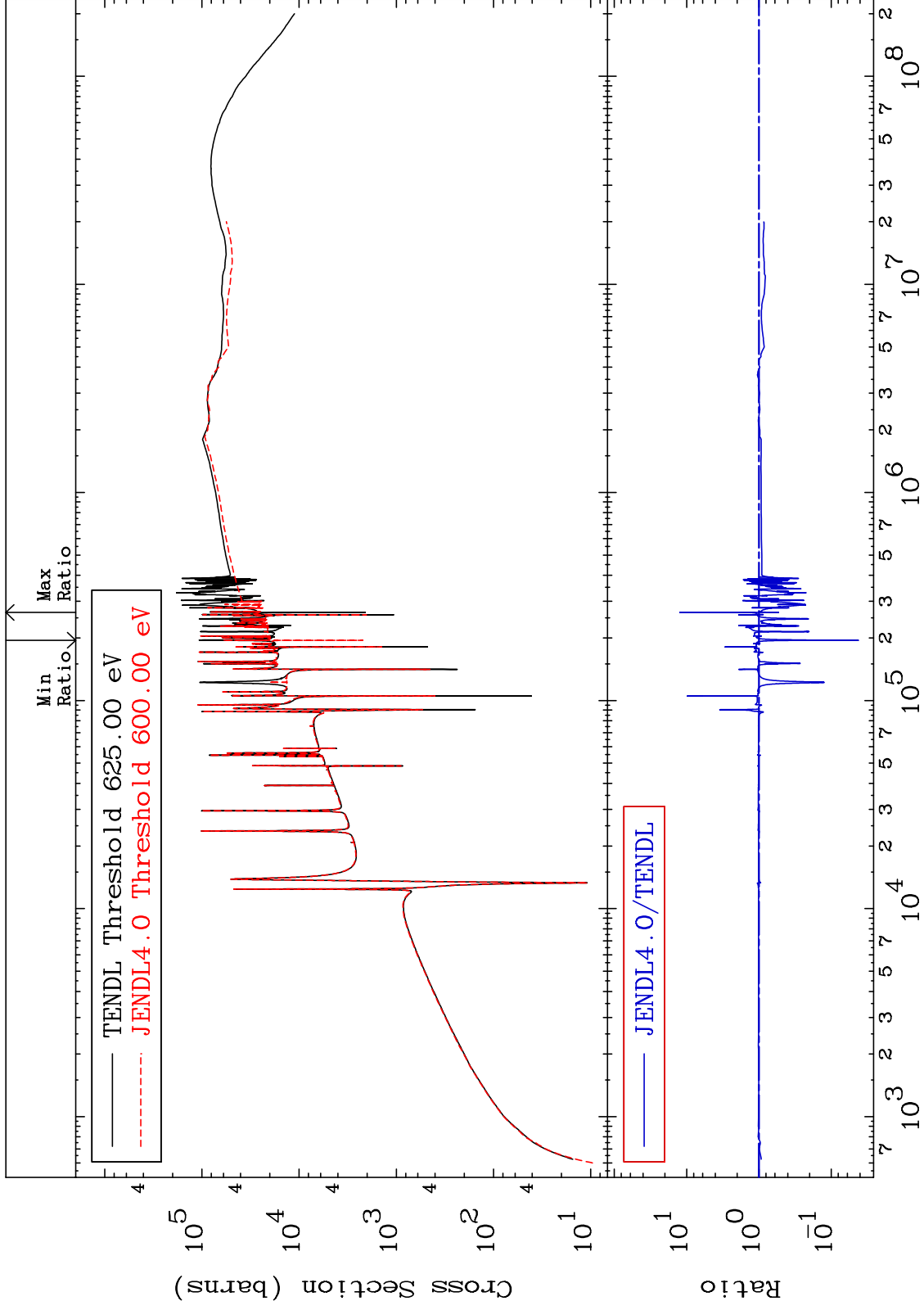
38-Sr-88
-95.71 To 1143. %



MAT 3837

Dpa elastic (mt2)
Cross Section

38-Sr-88
-95.77 To 1143. %



55

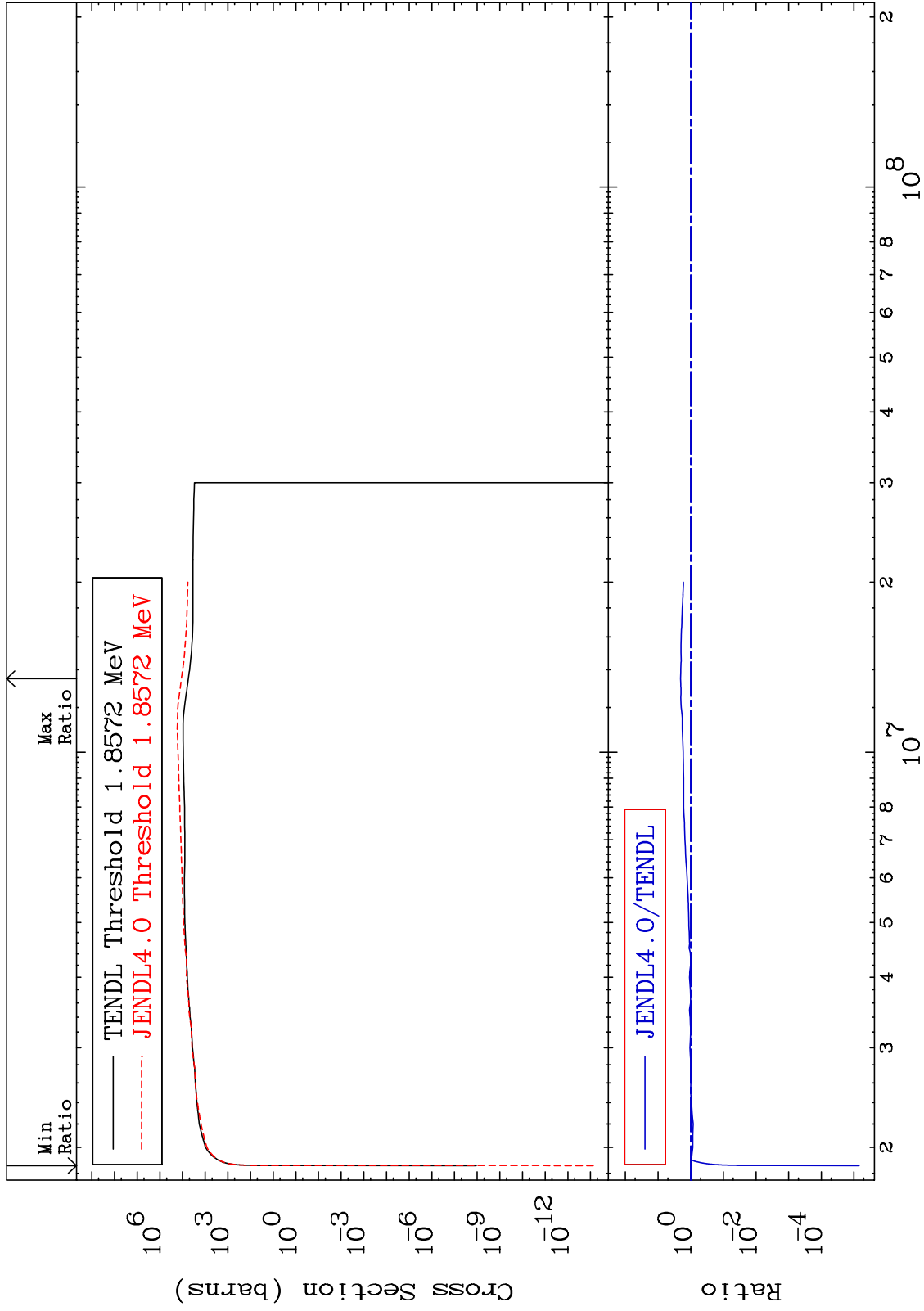
Incident Energy (eV)

38-Sr-88

MAT 3837

Dpa inelastic (mt51-91)
Cross Section

38-Sr-88
-100.0 To 103.8 %



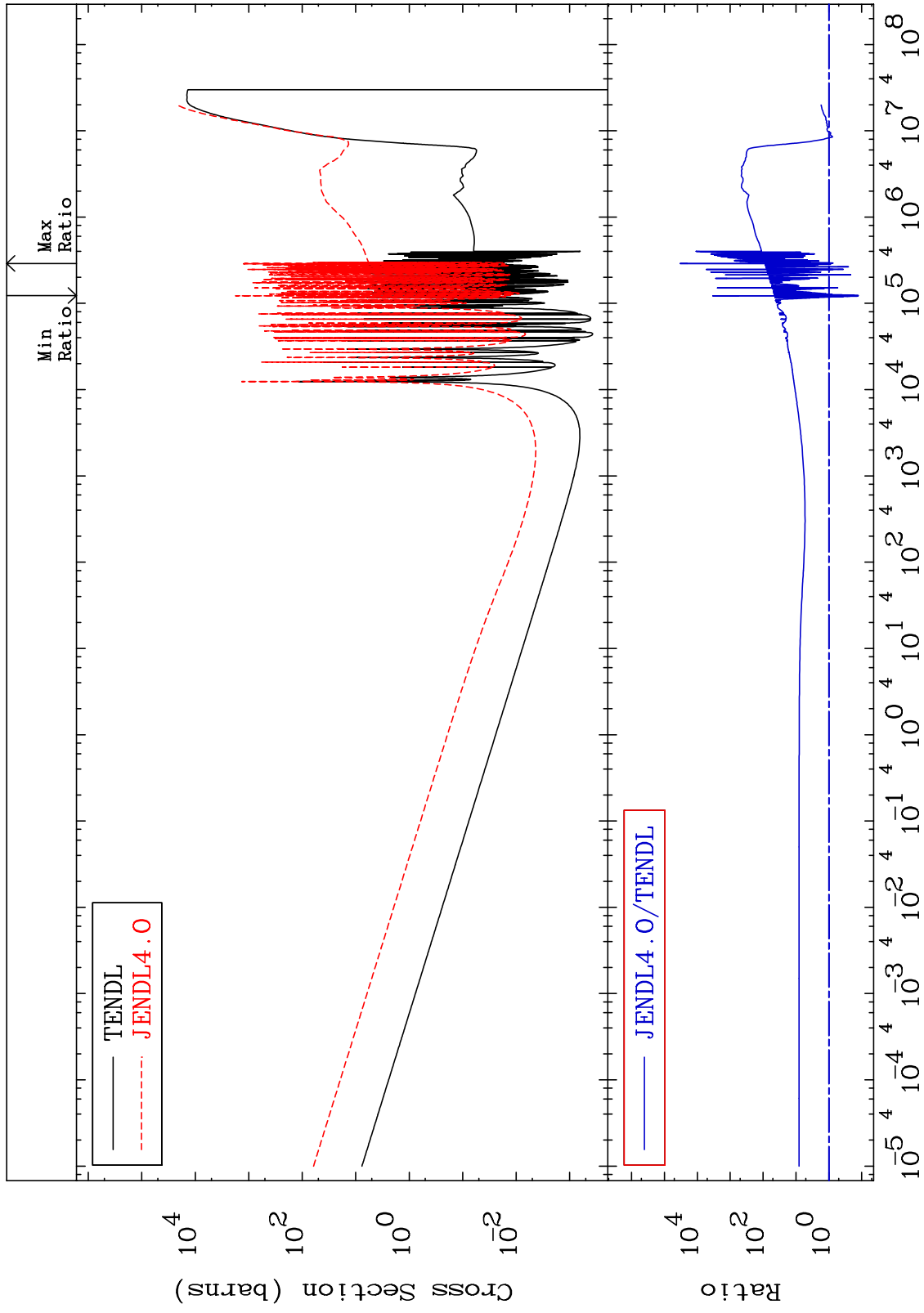
56

38-Sr-88

MAT 3837

Dpa disappearance (mt102 -120)
Cross Section

38-Sr-88
-87.40 To 9999. %



57

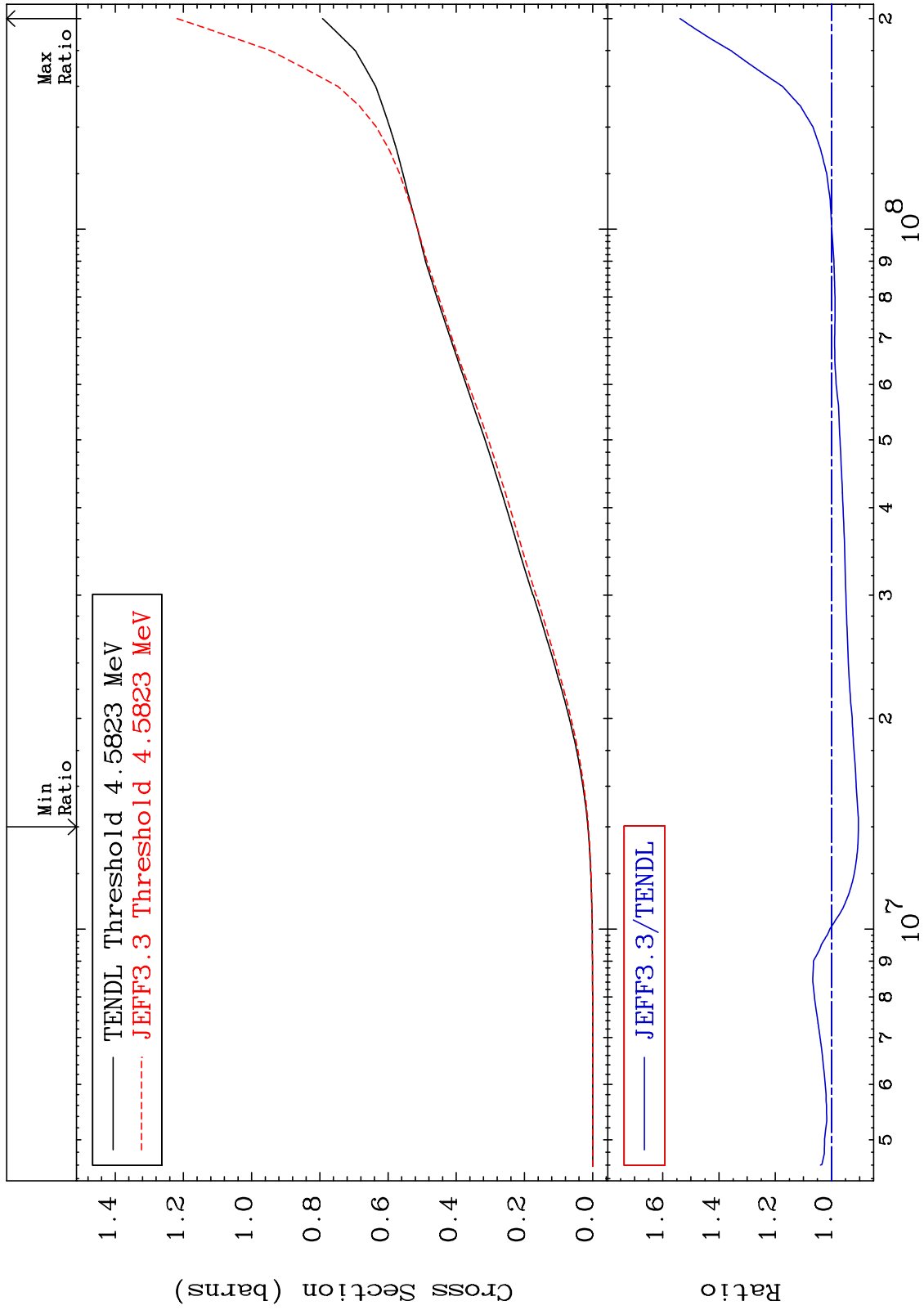
Incident Energy (eV)

38-Sr-88

MAT 3837

Hydrogen Production
Cross Section

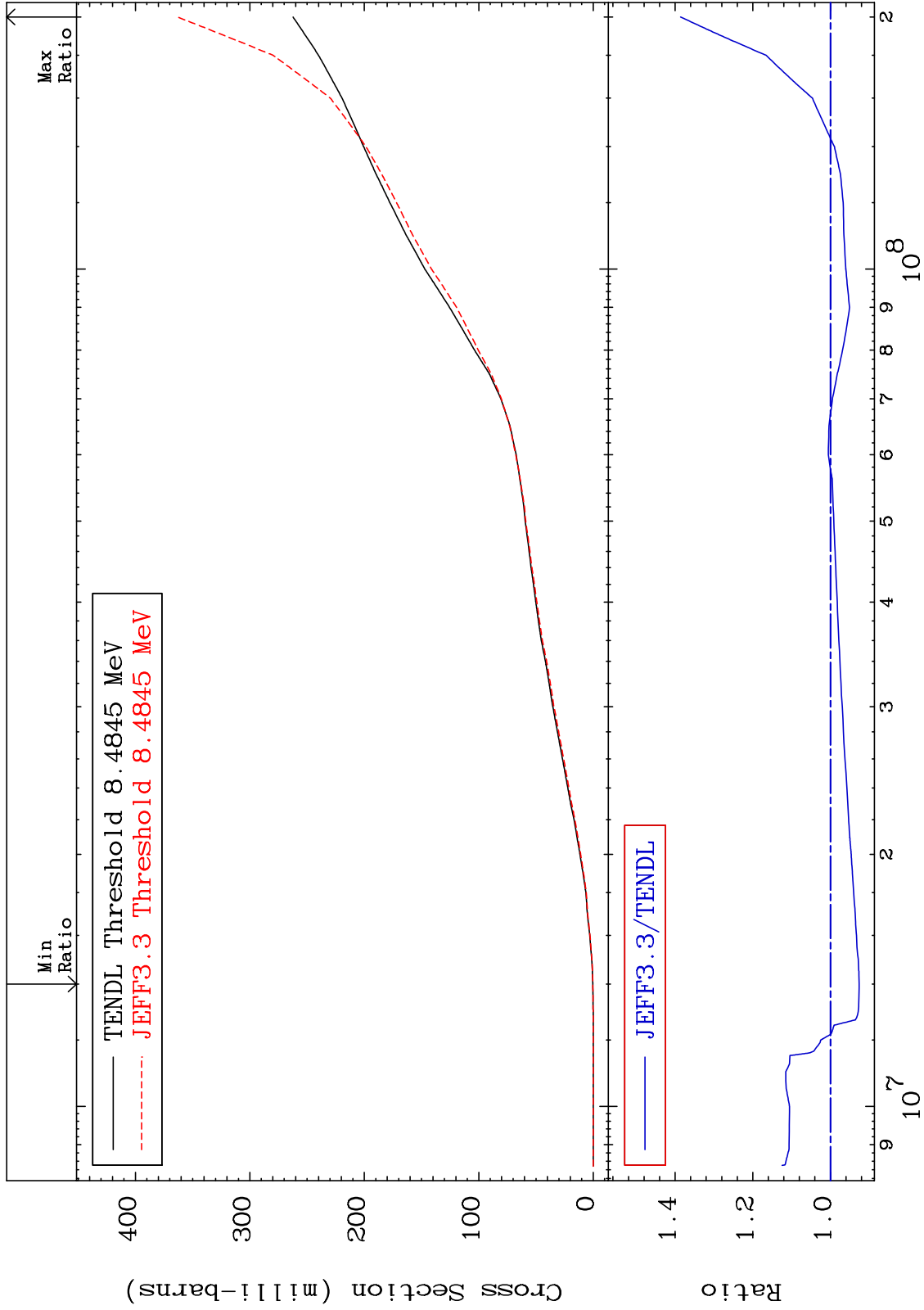
38-Sr-88
-9.562 To 53.87 %



MAT 3837

Deuterium Production
Cross Section

38-Sr-88
-7.396 To 38.58 %

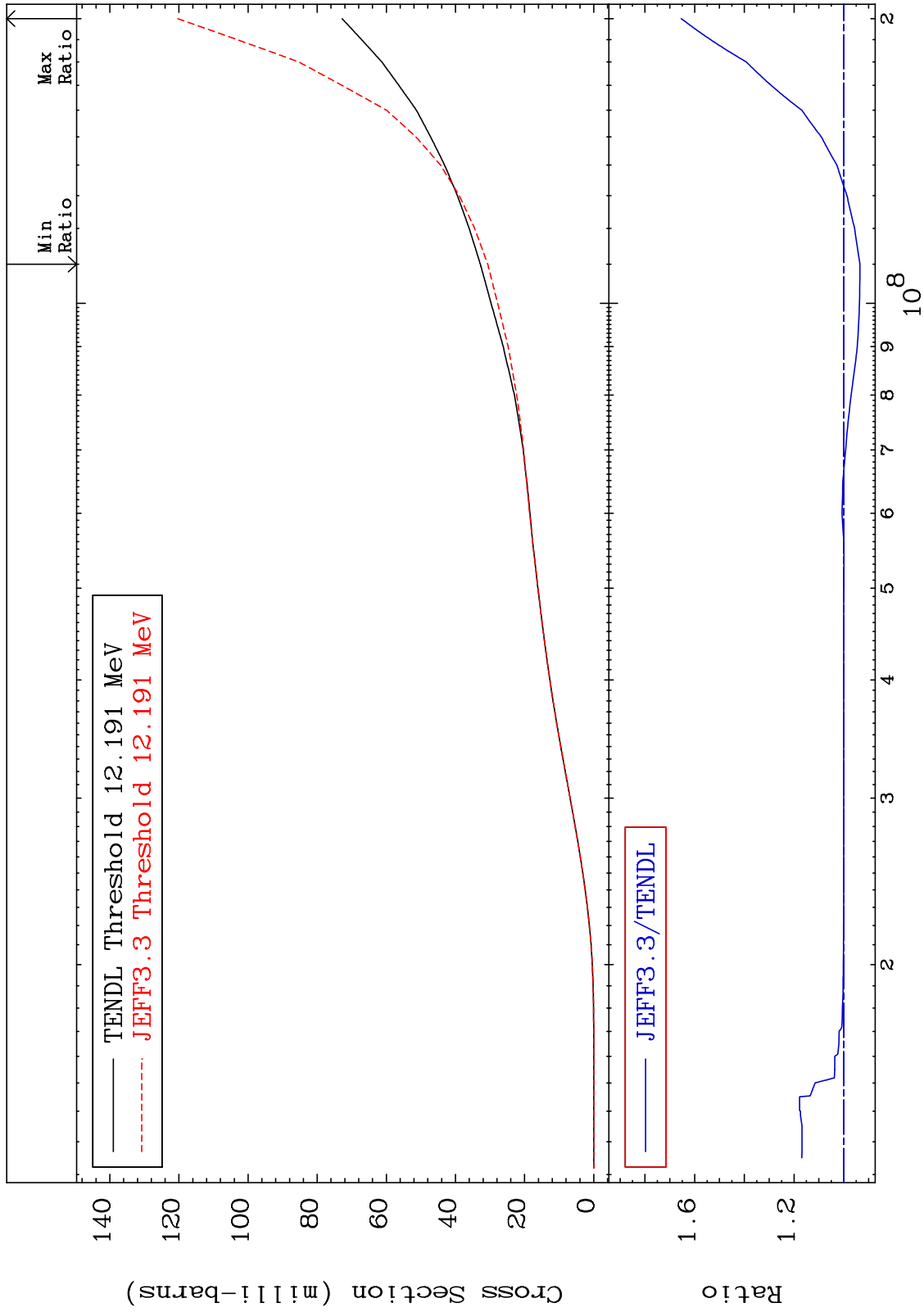


59

MAT 3837

Tritium Production
Cross Section

38-Sr-88
-6.519 To 65.40 %



60

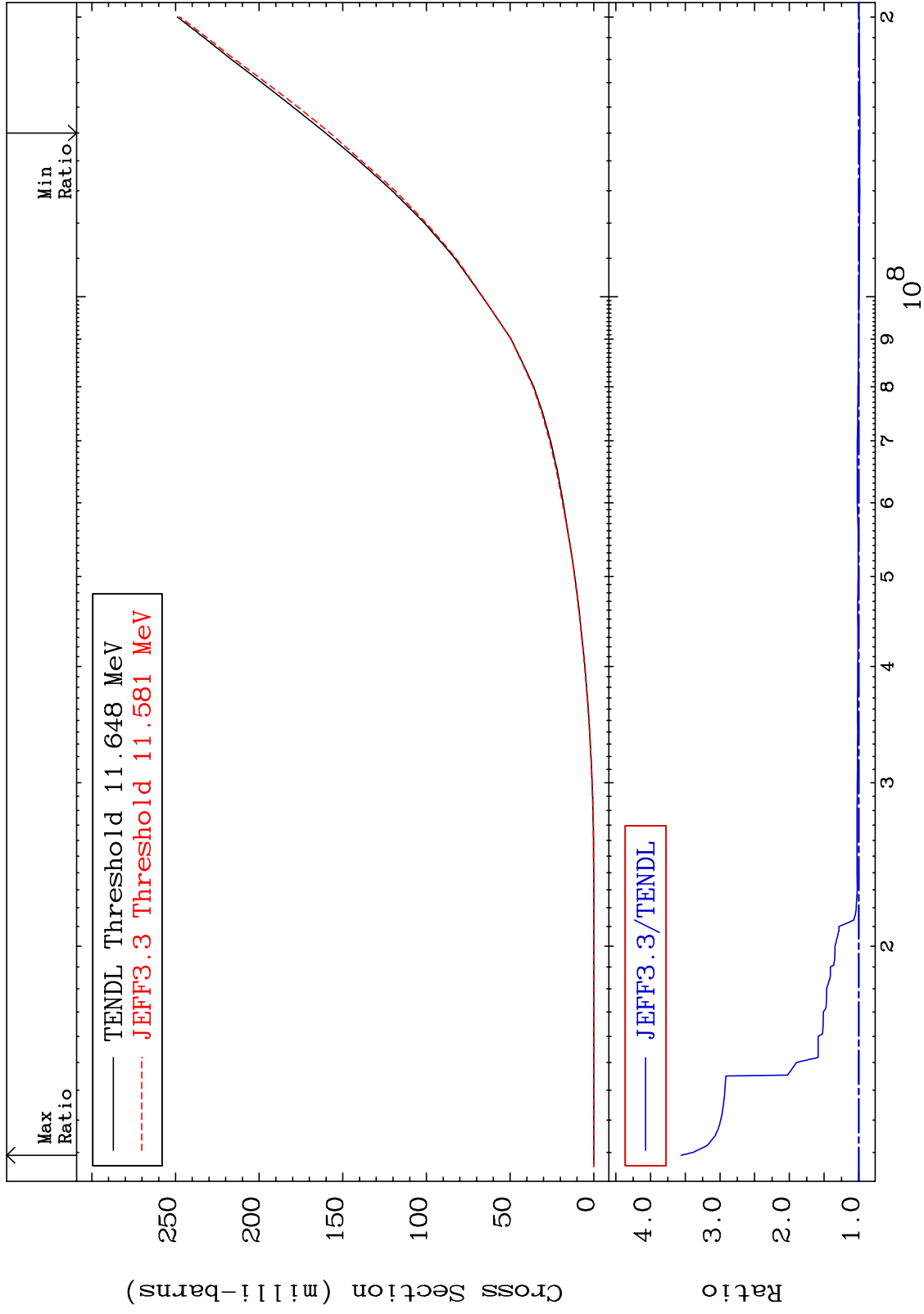
Incident Energy (eV)

38-Sr-88

MAT 3837

He-3 Production
Cross Section

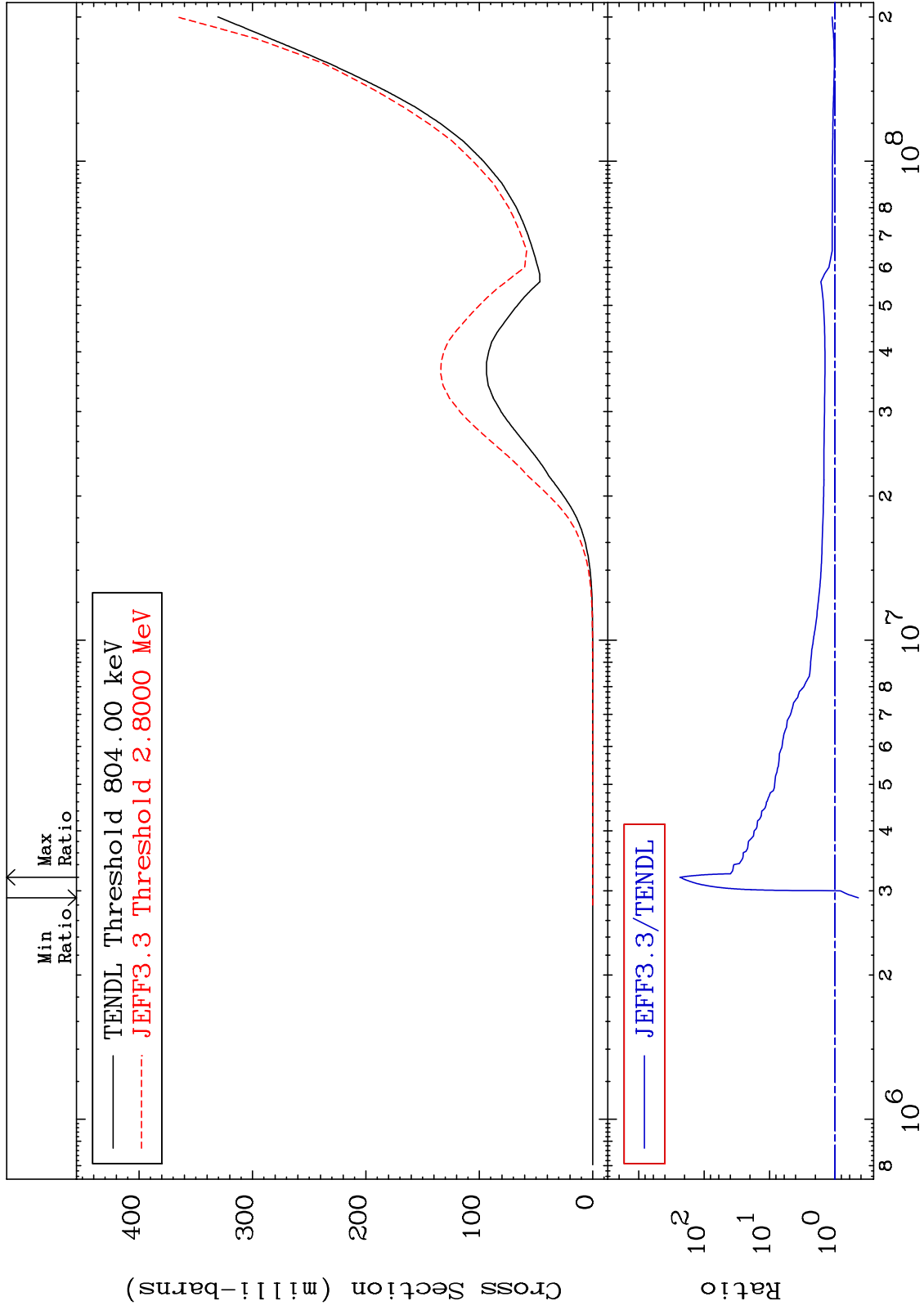
38-Sr-88
-1.650 To 255.8 %



MAT 3837

He-4 Production
Cross Section

38-Sr-88
-56.06 To 9999. %



62

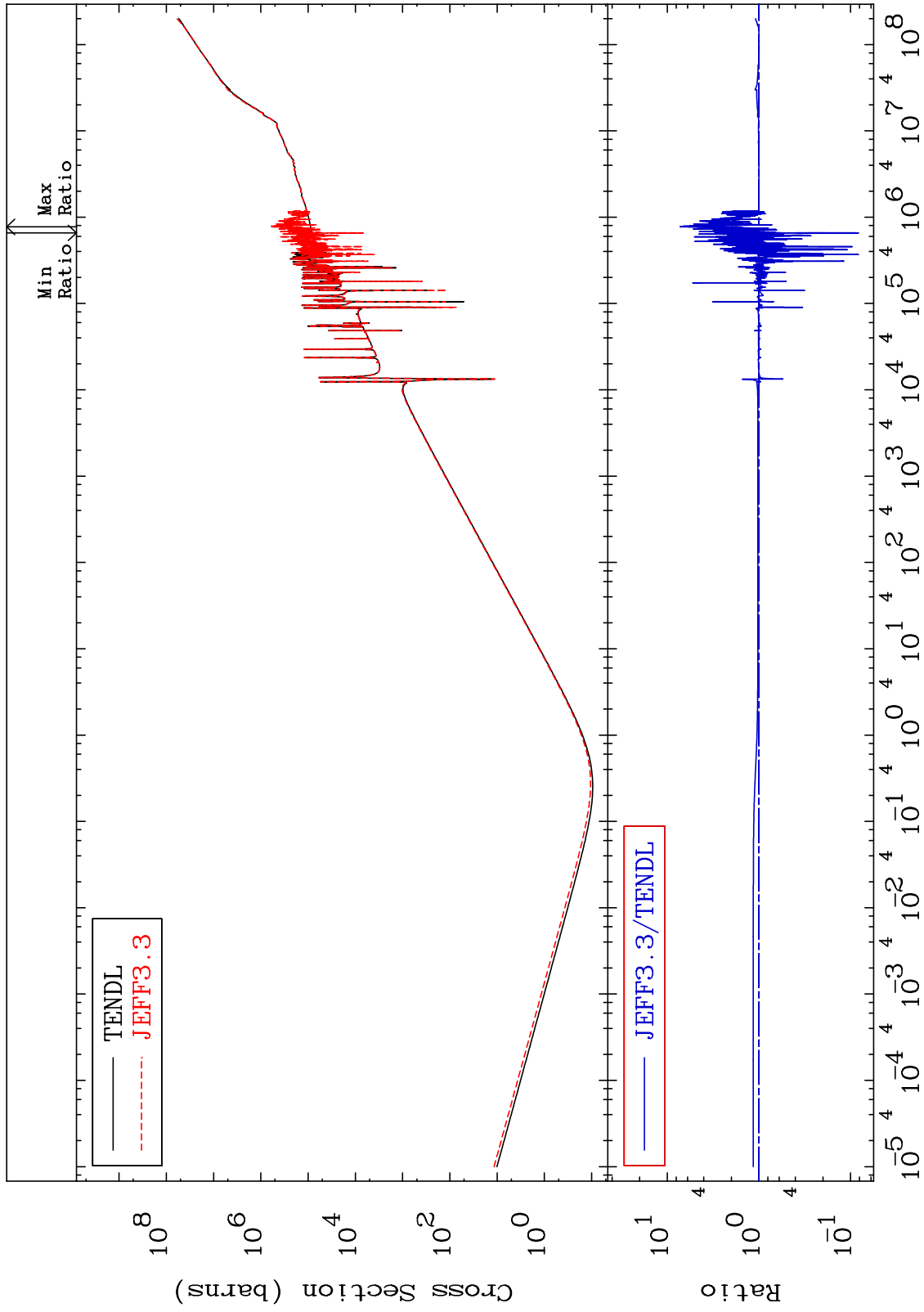
Incident Energy (eV)

38-Sr-88

MAT 3837

Kerma total (eV-barns)
Cross Section

38-Sr-88
-91.78 To 626.1 %



63

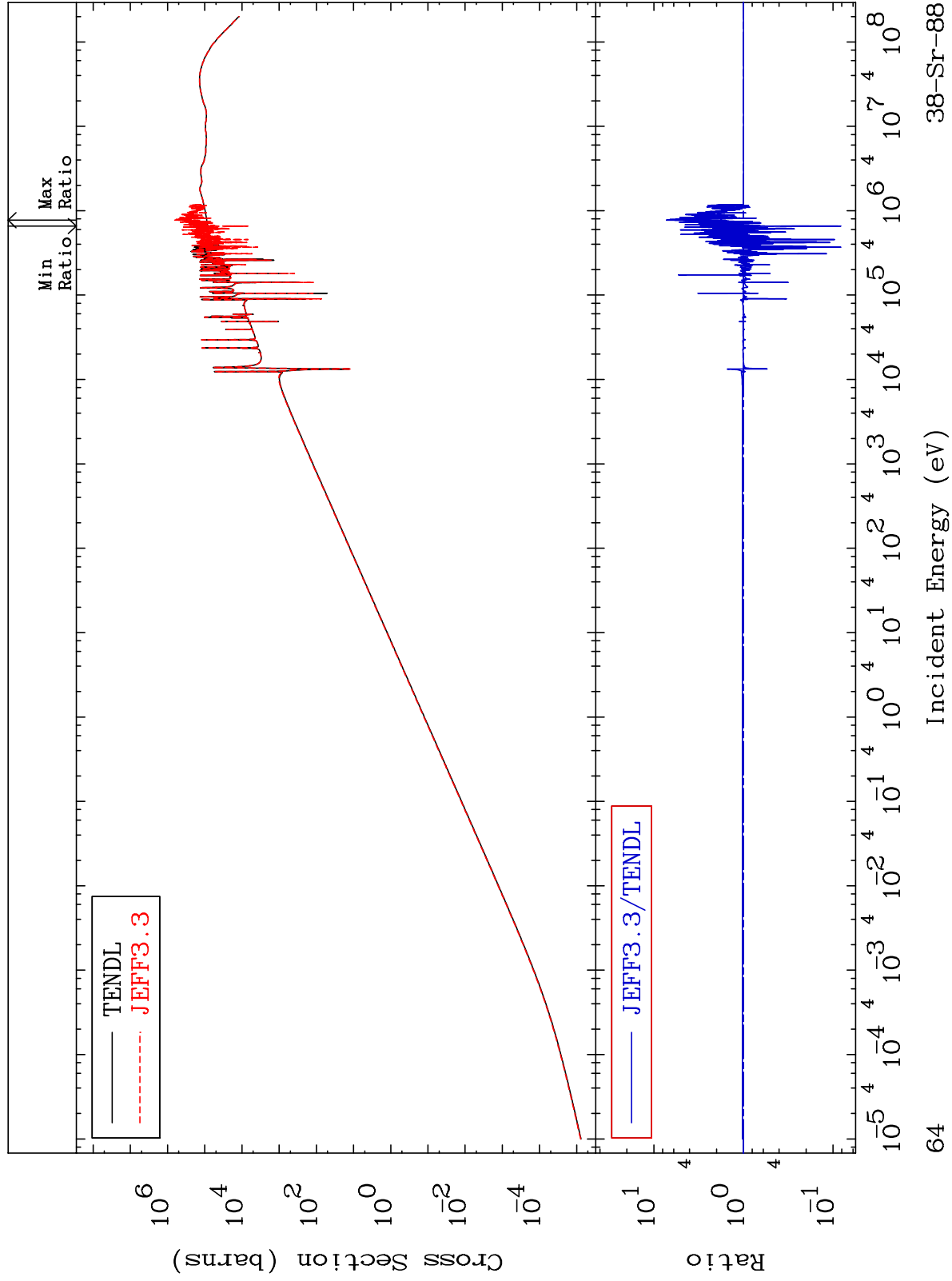
Incident Energy (eV)

38-Sr-88

MAT 3837

Kerma elastic
Cross Section

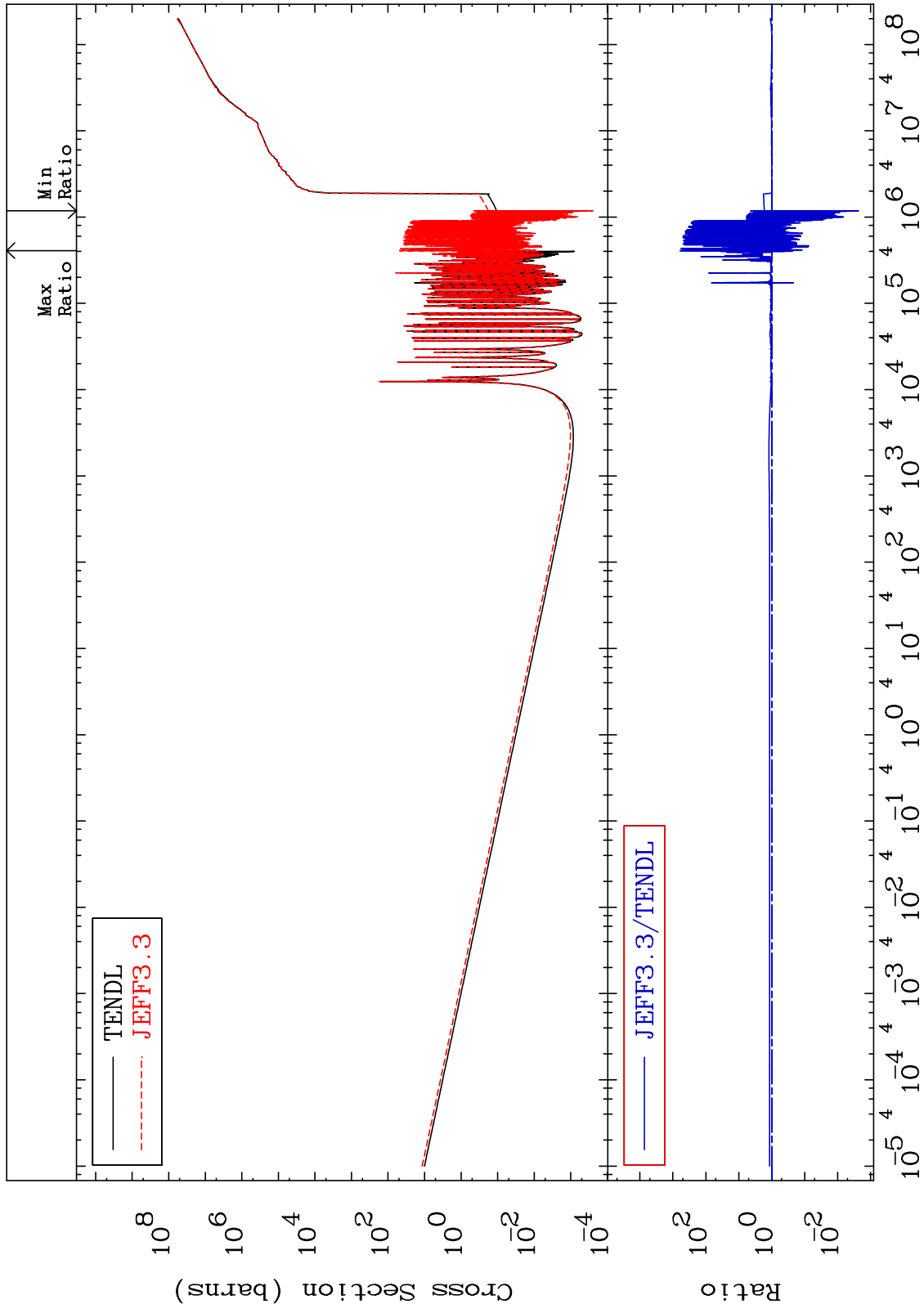
38-Sr-88
-91.78 To 626.1 %



MAT 3837

Kerma non-elastic (all but mt2)
Cross Section

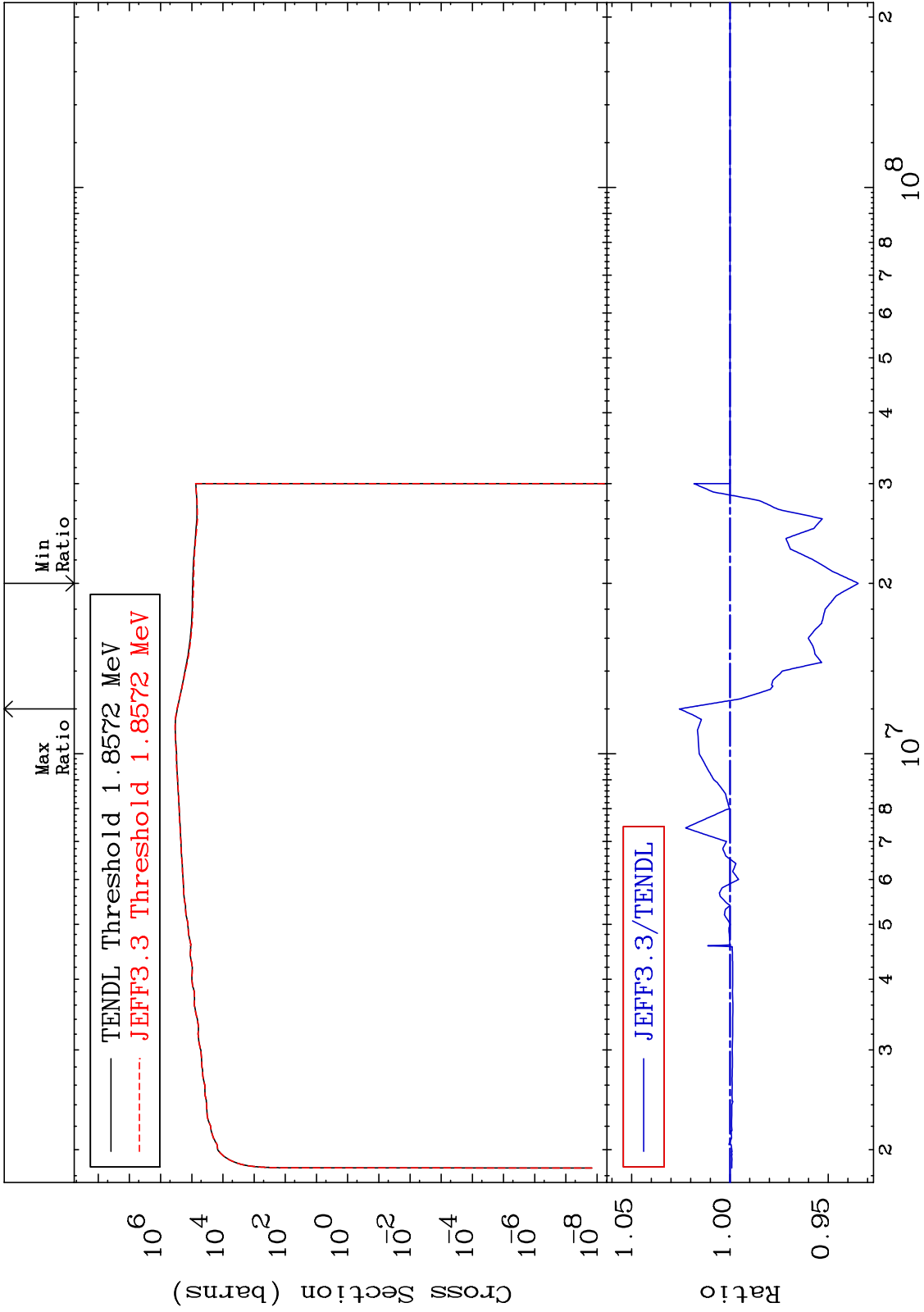
38-Sr-88
-99.77 To 9999. %



65

Incident Energy (eV)

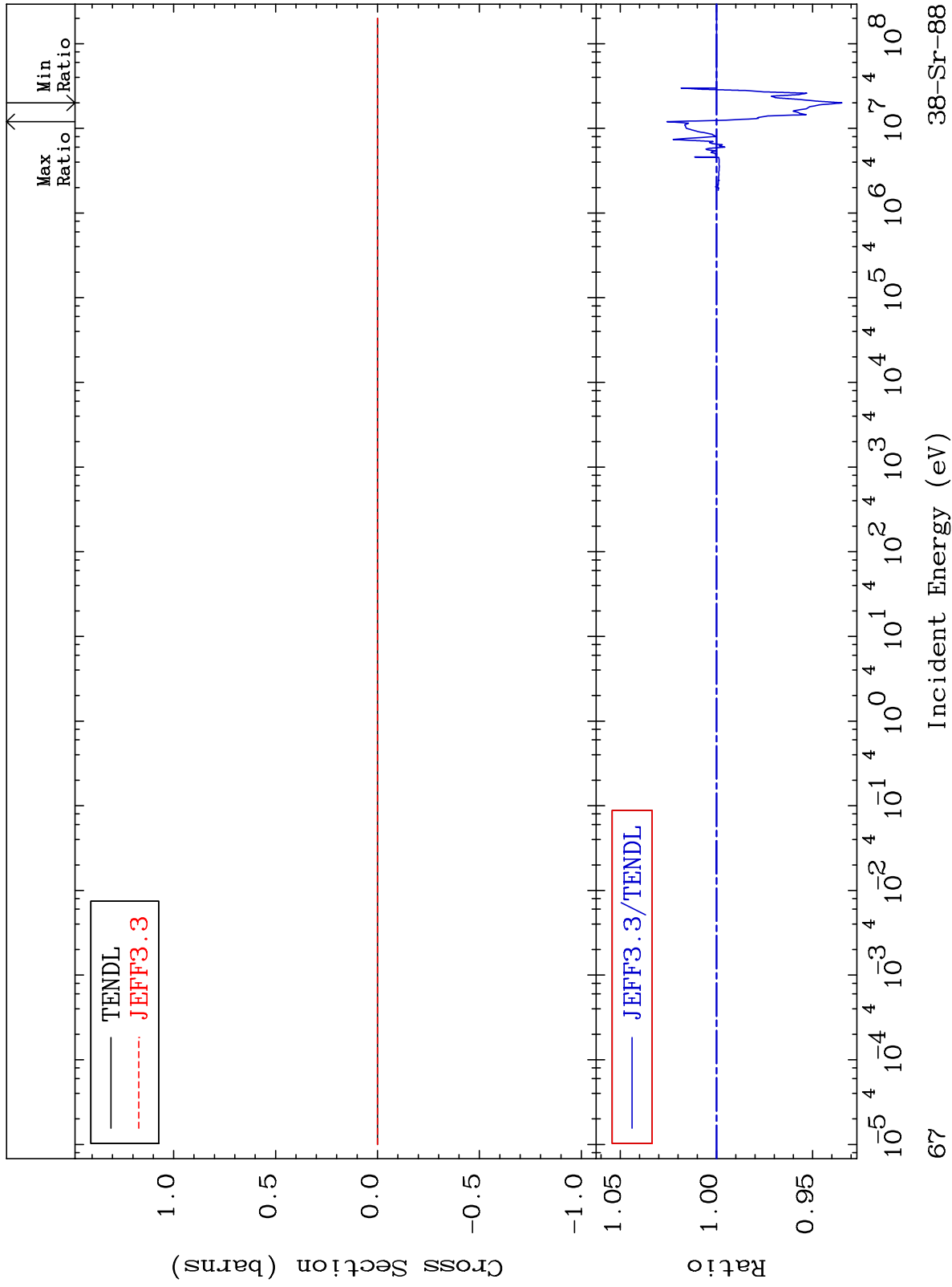
38-Sr-88



MAT 3837

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

38-Sr-88
-6.522 To 2.574 %



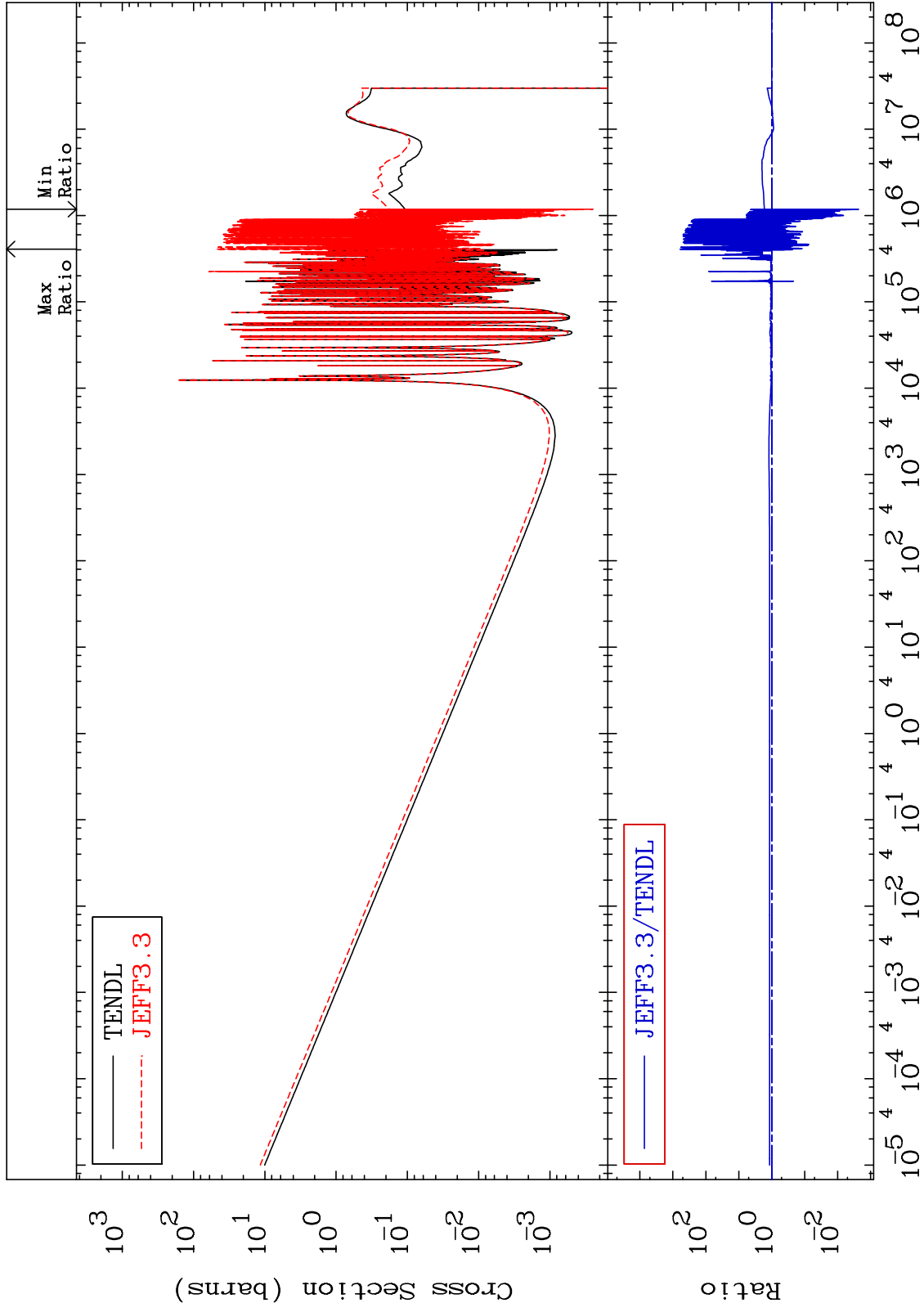
67

38-Sr-88

MAT 3837

Kerma capture (mt102)
Cross Section

38-Sr-88
-99.77 To 9999. %



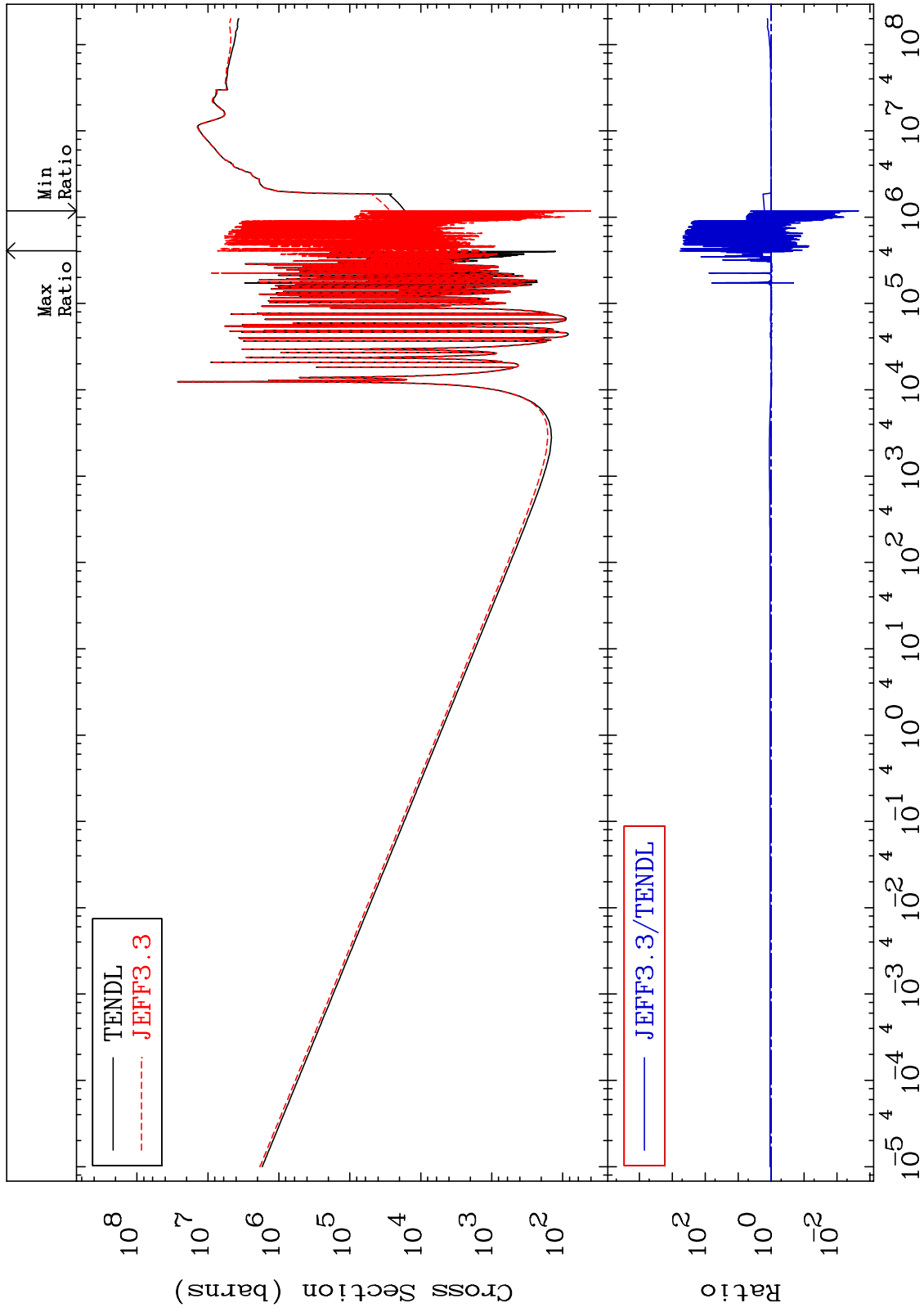
— TENDL
- - - JEFF3.3

— JEFF3.3/TENDL

MAT 3837

Total photon (eV-barns)
Cross Section

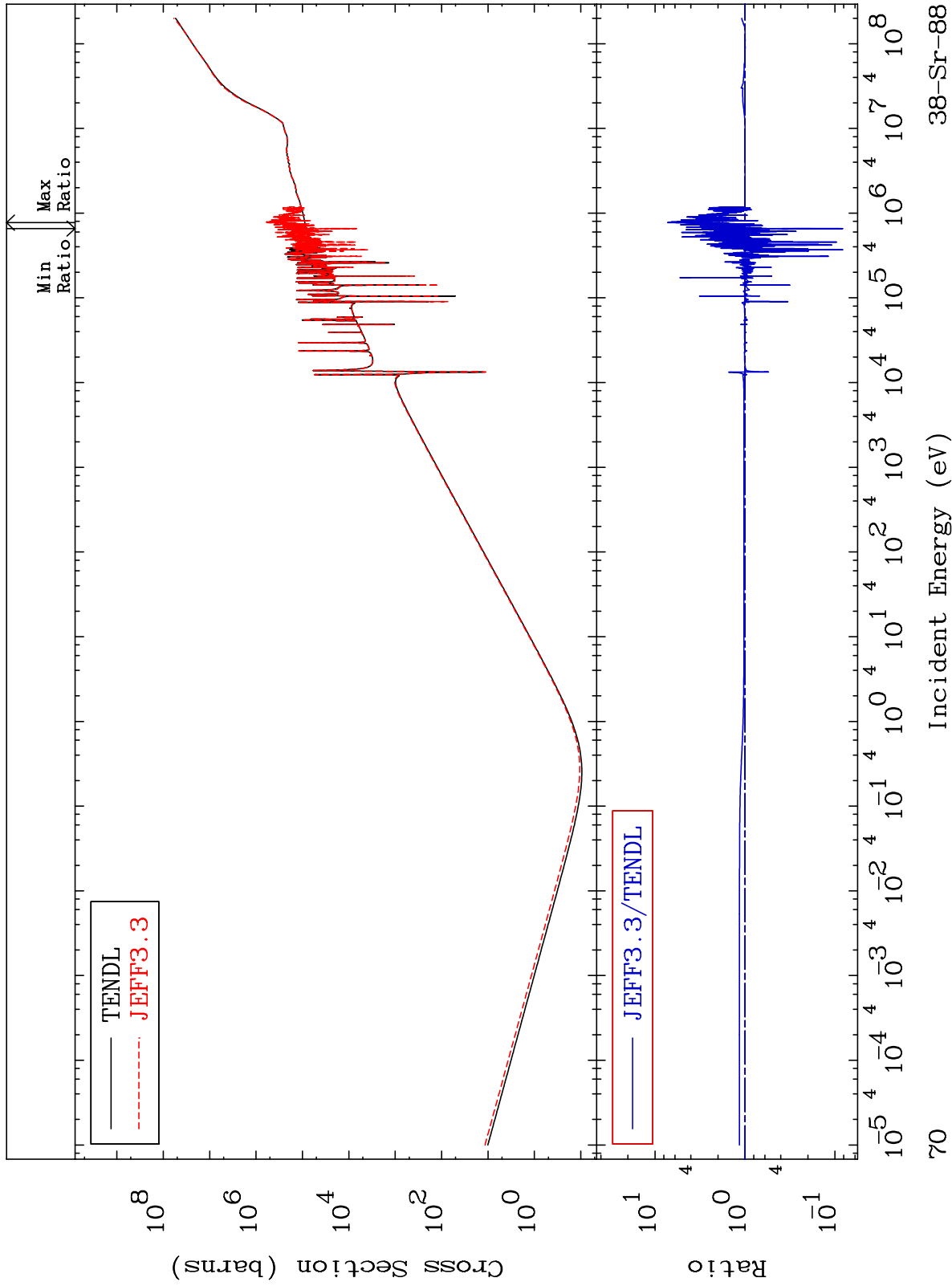
38-Sr-88
-99.78 To 9999. %



MAT 3837

Total kinematic kerma (high limit)
Cross Section

38-Sr-88
-91.78 To 626.1 %



70

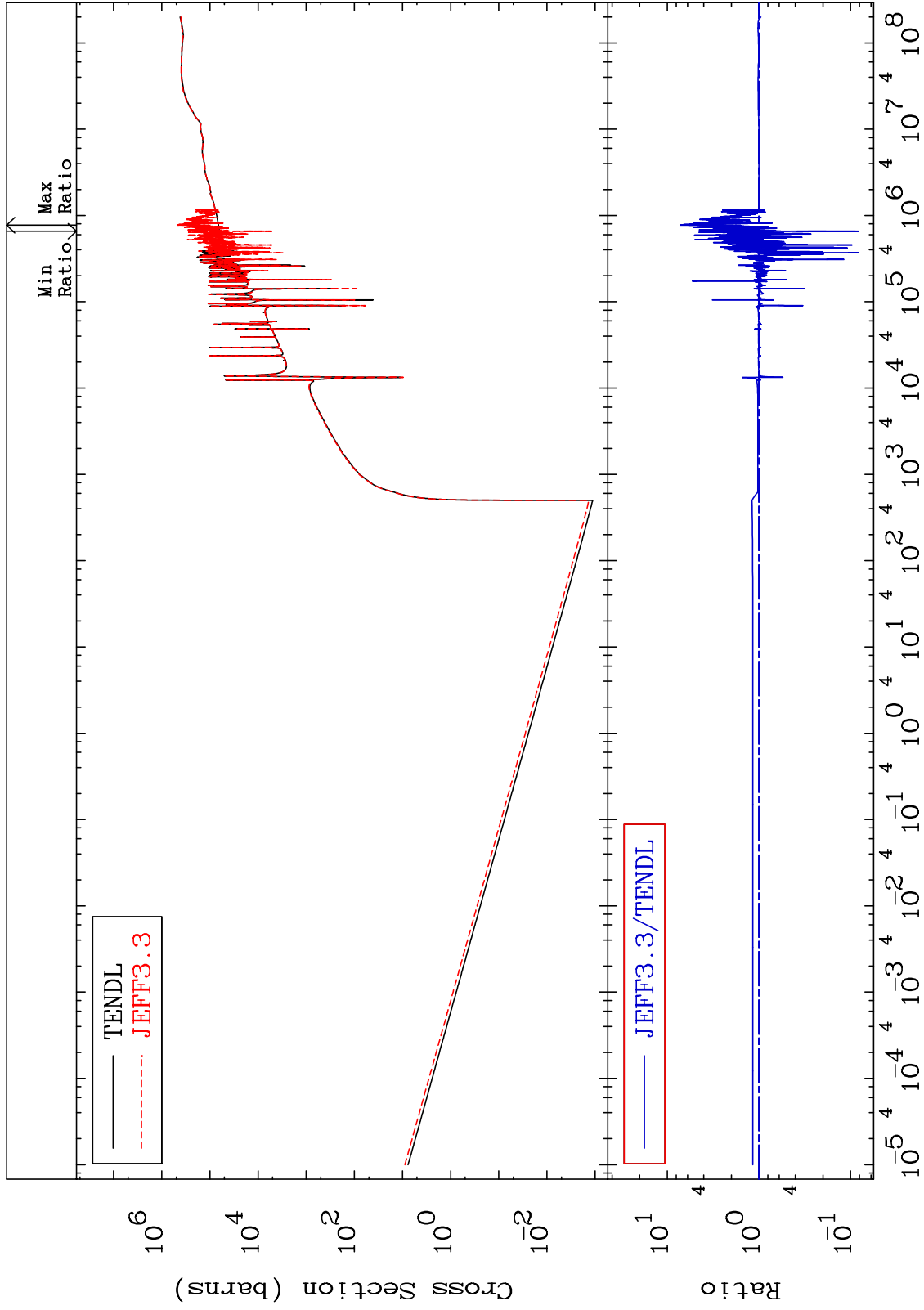
Incident Energy (eV)

38-Sr-88

MAT 3837

Dpa total (eV-barns)
Cross Section

38-Sr-88
-91.78 To 625.9 %



71

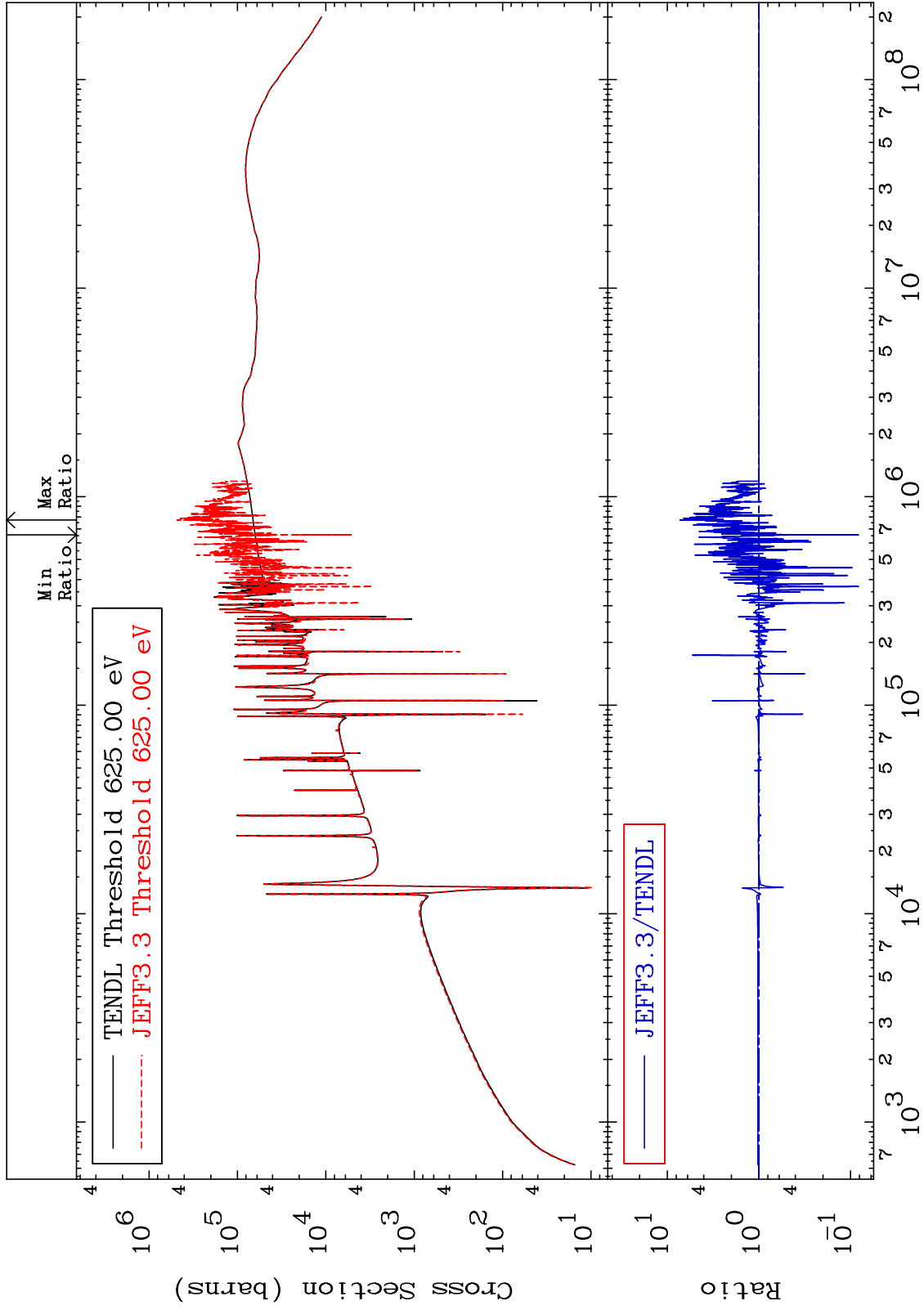
Incident Energy (eV)

38-Sr-88

MAT 3837

Dpa elastic (mt2)
Cross Section

38-Sr-88
-91.78 To 625.9 %



72

Incident Energy (eV)

38-Sr-88

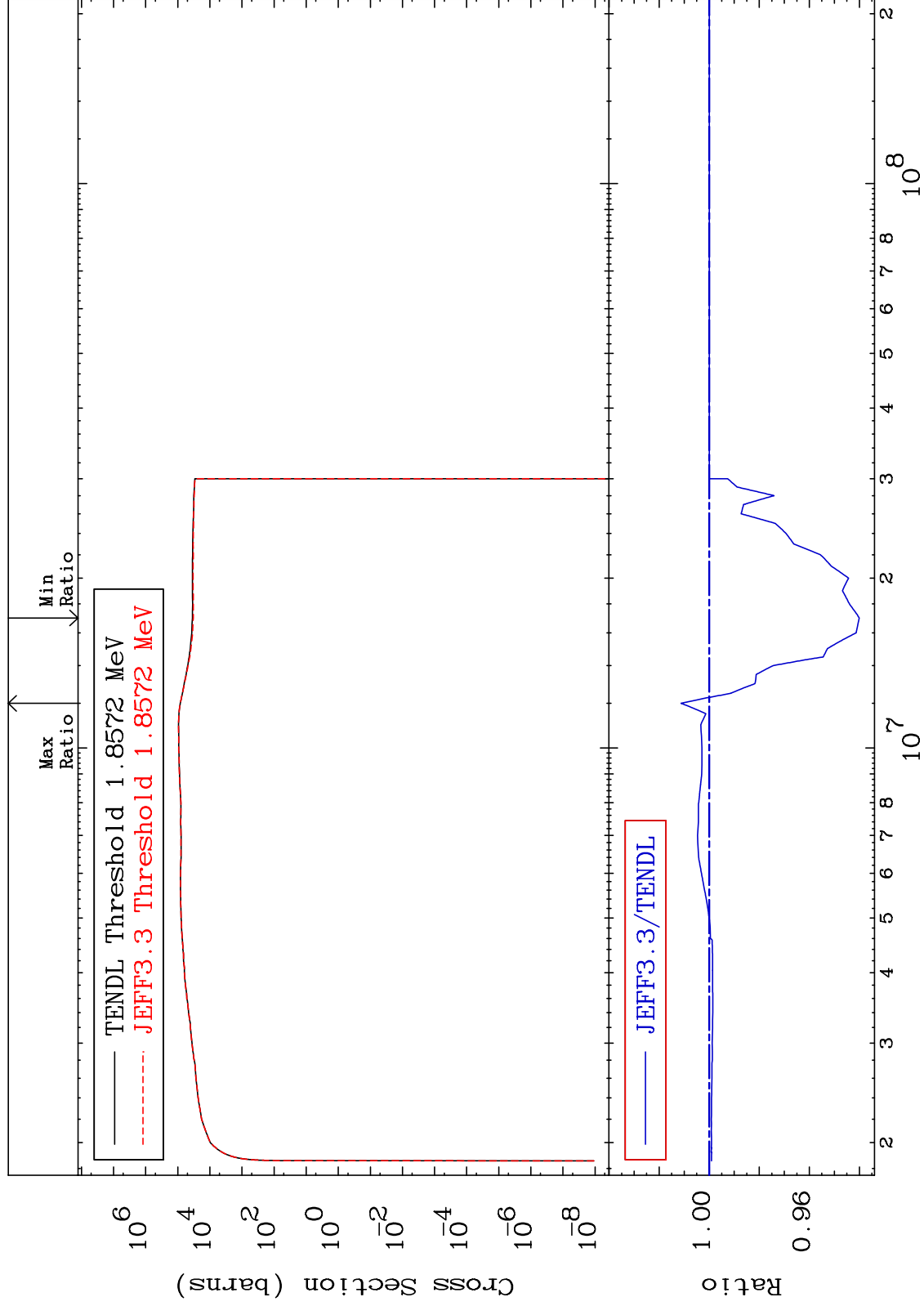
MAT 3837

Dpa inelastic (mt51-91)

38-Sr-88

-5.996 To 1.126 %

Cross Section



73

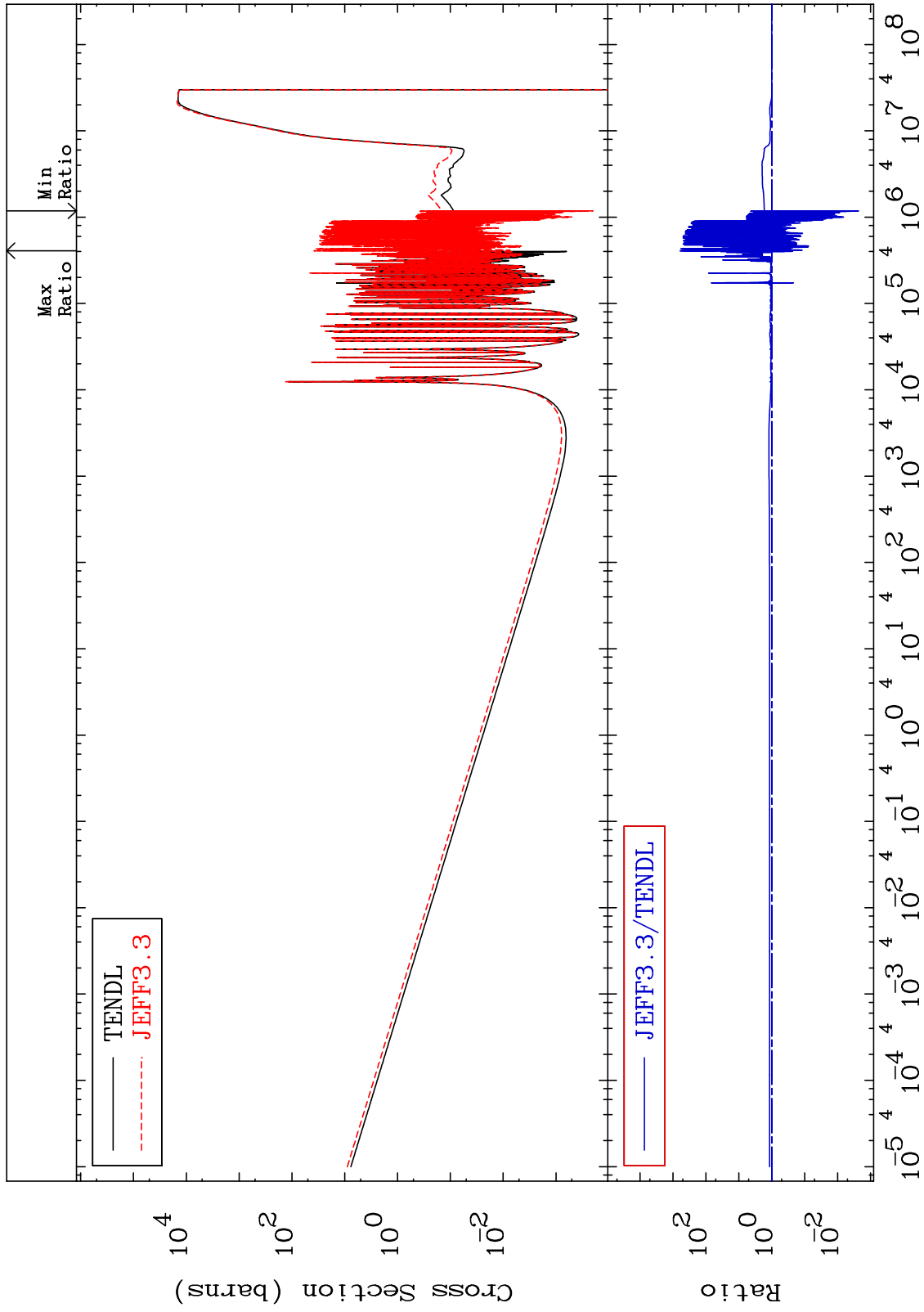
Incident Energy (eV)

38-Sr-88

MAT 3837

Dpa disappearance (mt102 -120)
Cross Section

38-Sr-88
-99.77 To 9999. %



74

Incident Energy (eV)

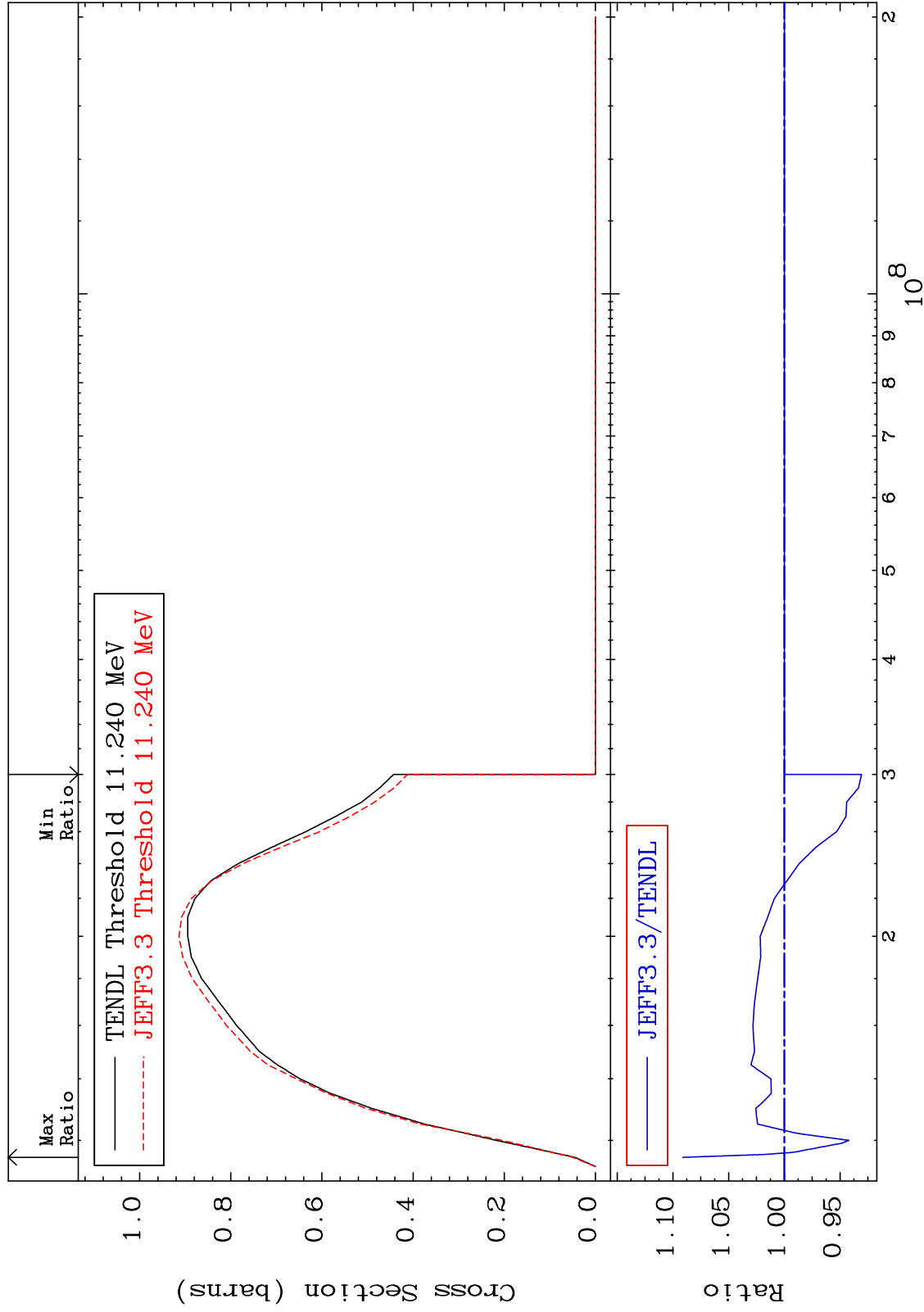
38-Sr-88

MAT 3837

(n,2n):38-Sr-87g

38-Sr-88

Radionuclide Production Cross Section -6.935 To 9.104 %



75

Incident Energy (eV)

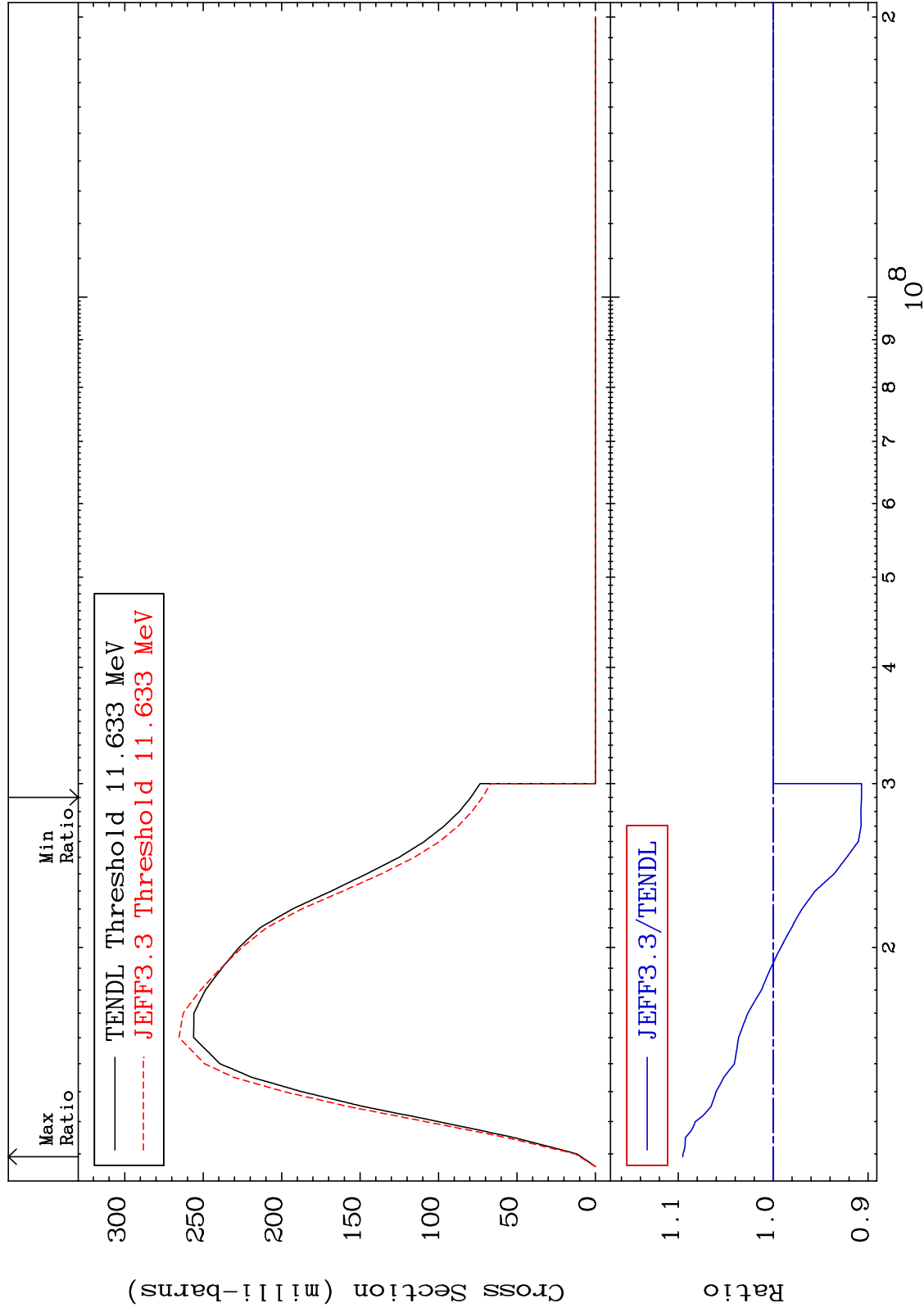
38-Sr-88

MAT 3837

(n,2n):38-Sr-87m1

38-Sr-88

Radionuclide Production Cross Section -9.319 To 9.520 %



76

Incident Energy (eV)

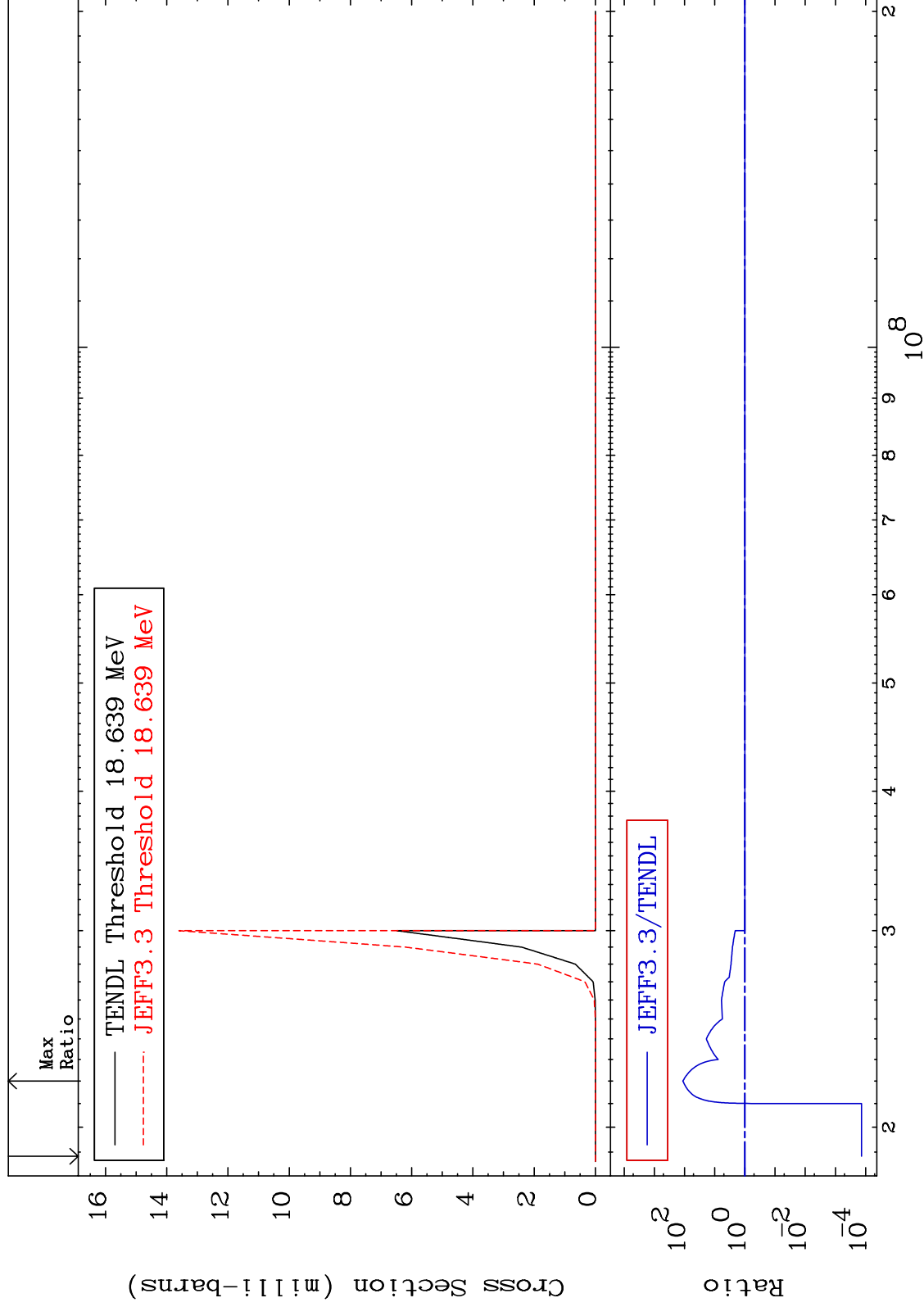
38-Sr-88

MAT 3837

(n,2n) α :36-Kr-83g

38-Sr-88

Radionuclide Production Cross Section -99.99 To 9999. %



77

Incident Energy (eV)

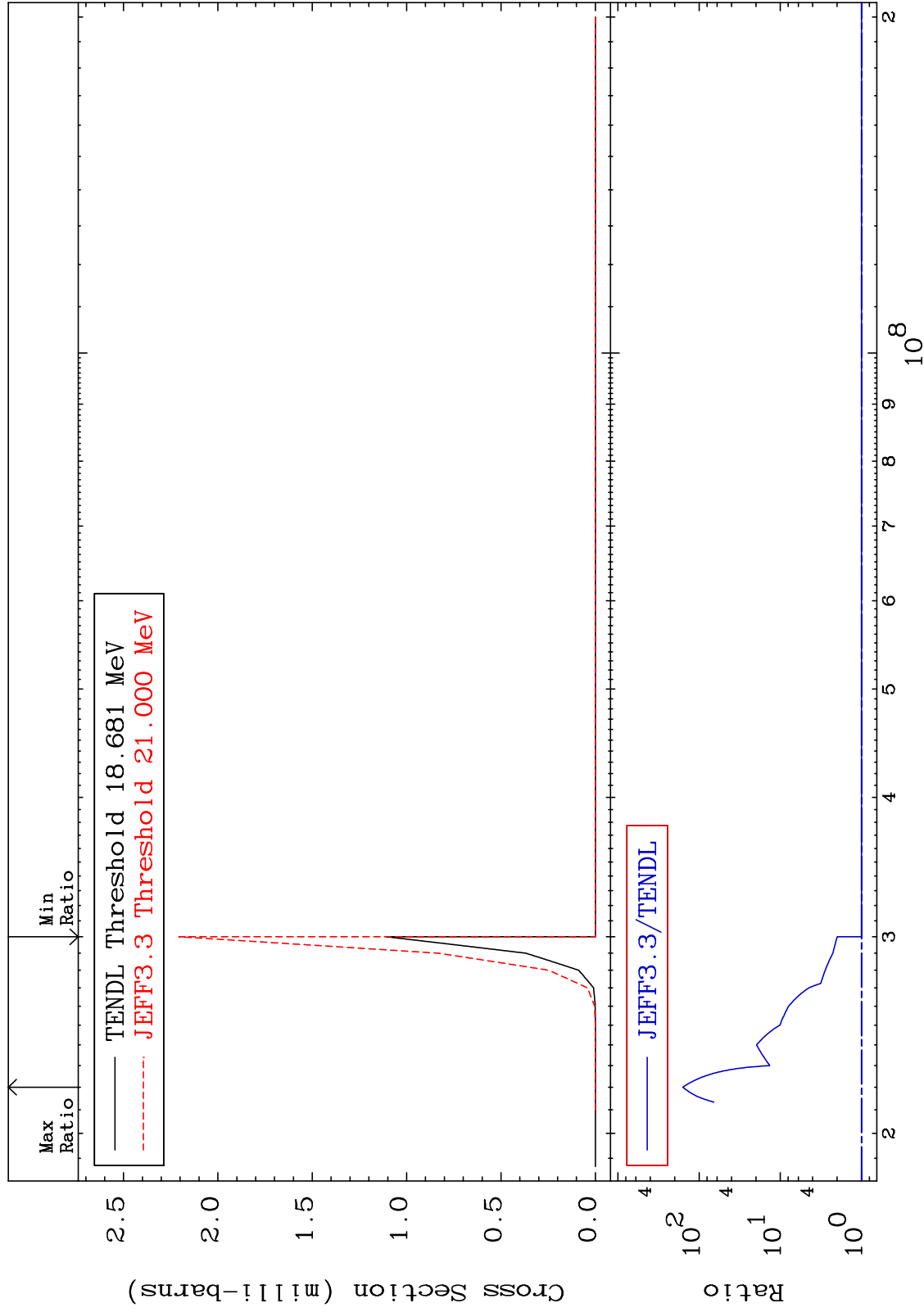
38-Sr-88

MAT 3837

(n,2n) α :36-Kr-83m2

38-Sr-88

Radionuclide Production Cross Section 0.000 To 9999. %



78

Incident Energy (eV)

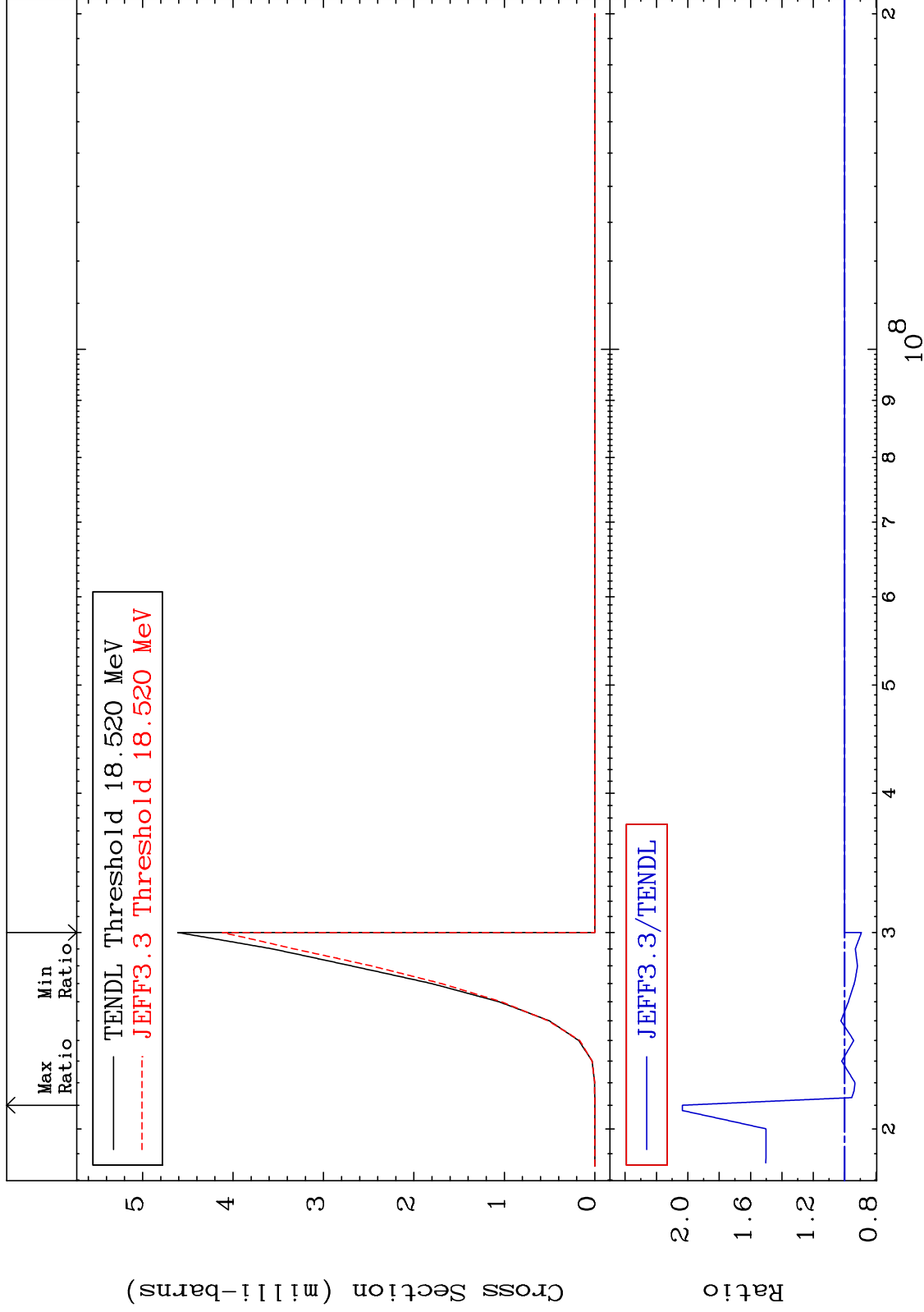
38-Sr-88

MAT 3837

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

38-Sr-88

Radionuclide Production Cross Section -10.71 To 103.4 %



79

Incident Energy (eV)

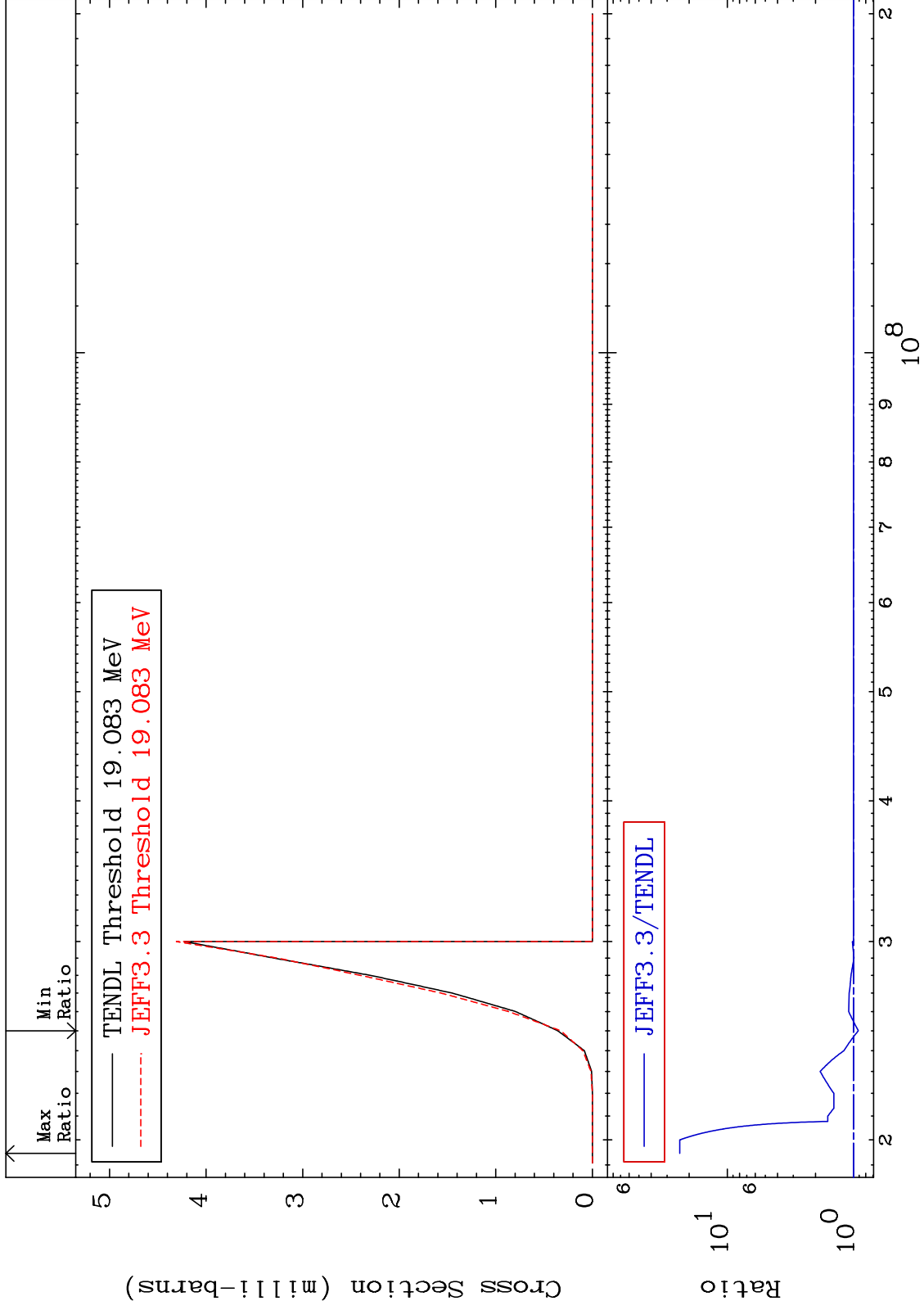
38-Sr-88

MAT 3837

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

38-Sr-88

Radionuclide Production Cross Section -8.603 To 2275. %



80

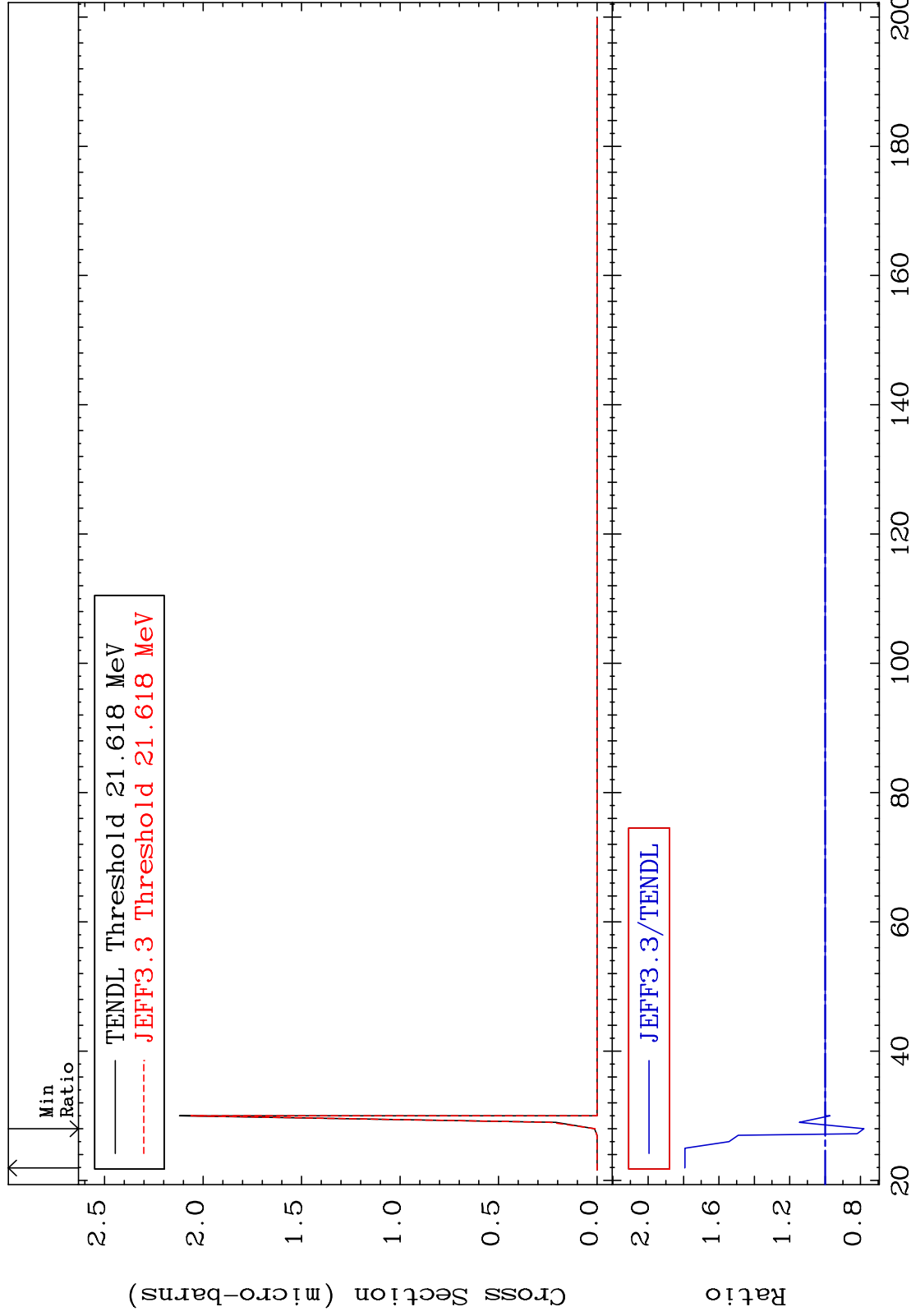
Incident Energy (eV)

38-Sr-88

MAT 3837

(n, n') He-3:36-Kr-85g
Radionuclide Production Cross Section -21.97 To 79.30 %

38-Sr-88



81

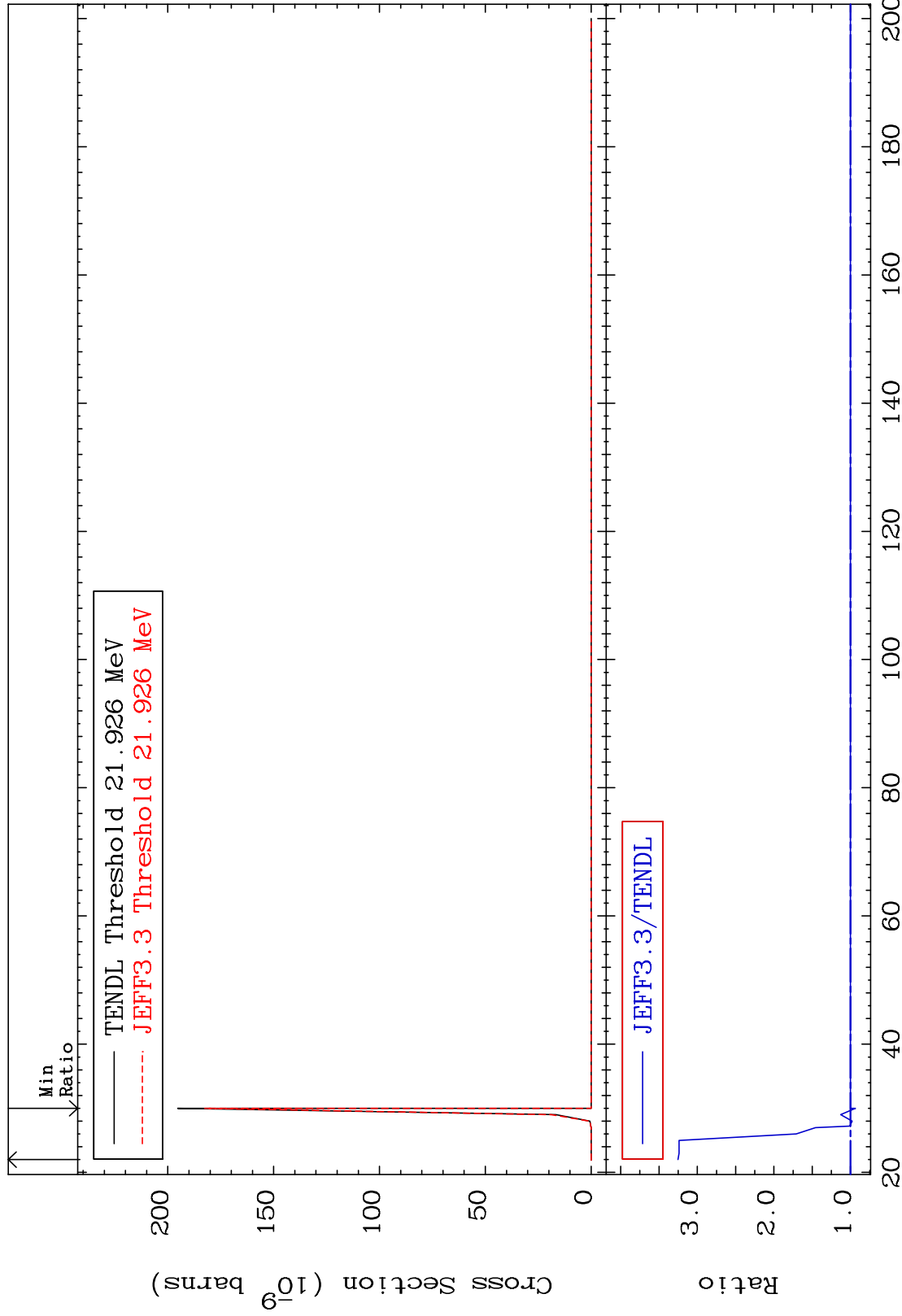
38-Sr-88

MAT 3837

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

38-Sr-88

Radionuclide Production Cross Section -6.488 To 225.2 %

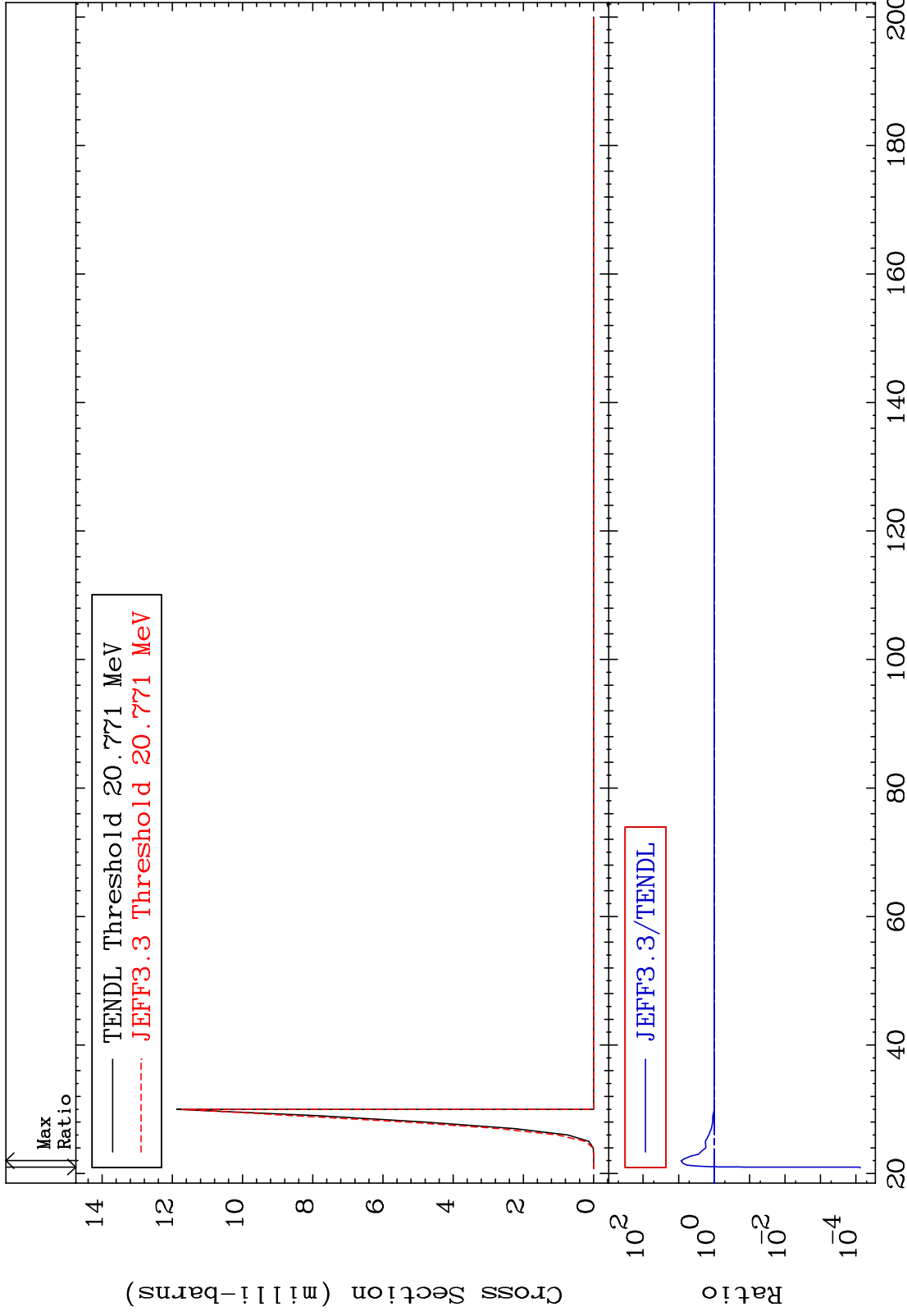


82

Incident Energy (MeV)

38-Sr-88

Radionuclide Production Cross Section -99.99 To 746.8 %

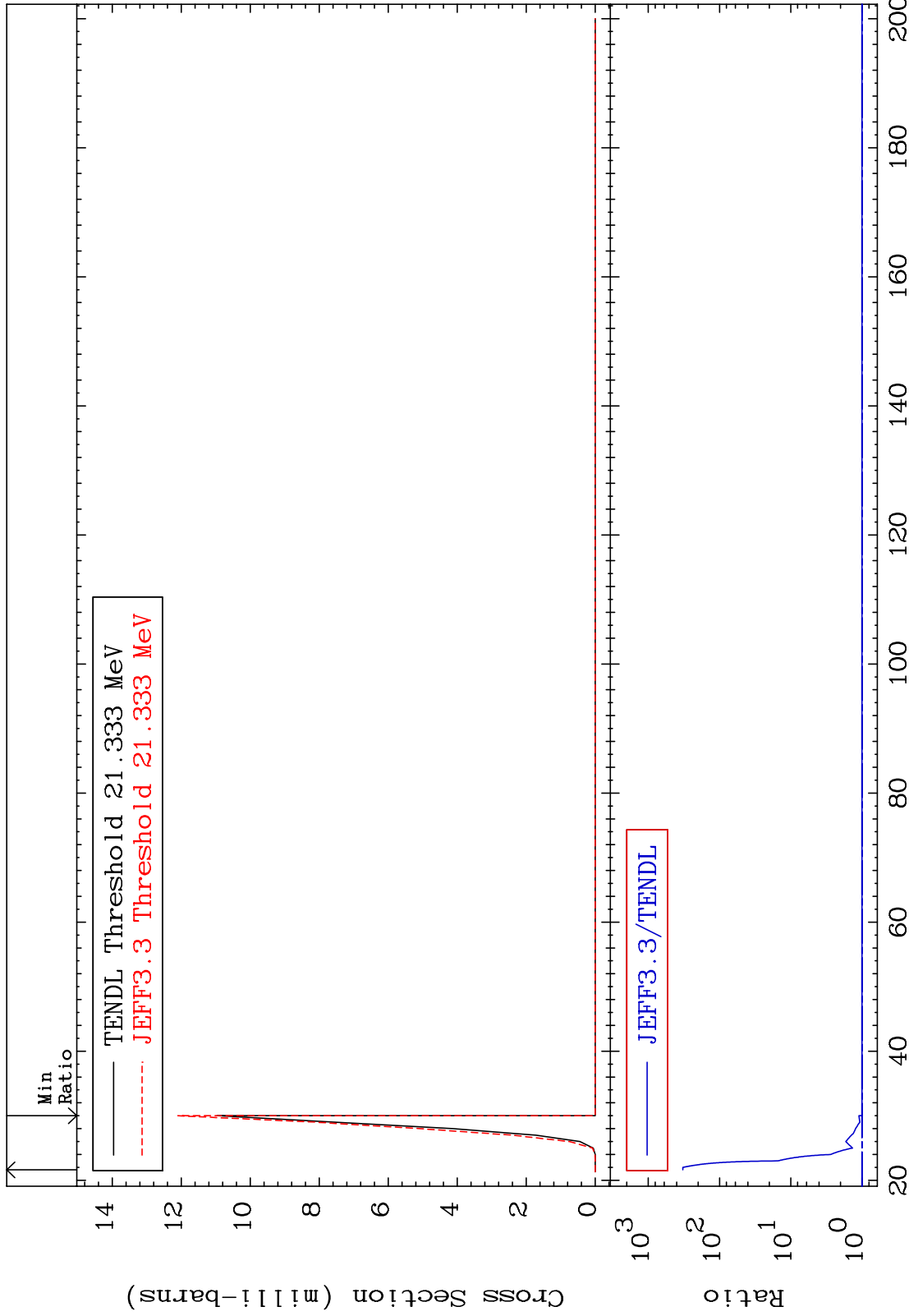


MAT 3837

(n,2n) p:37-Rb-86m2

38-Sr-88

Radionuclide Production Cross Section 0.000 To 9999. %

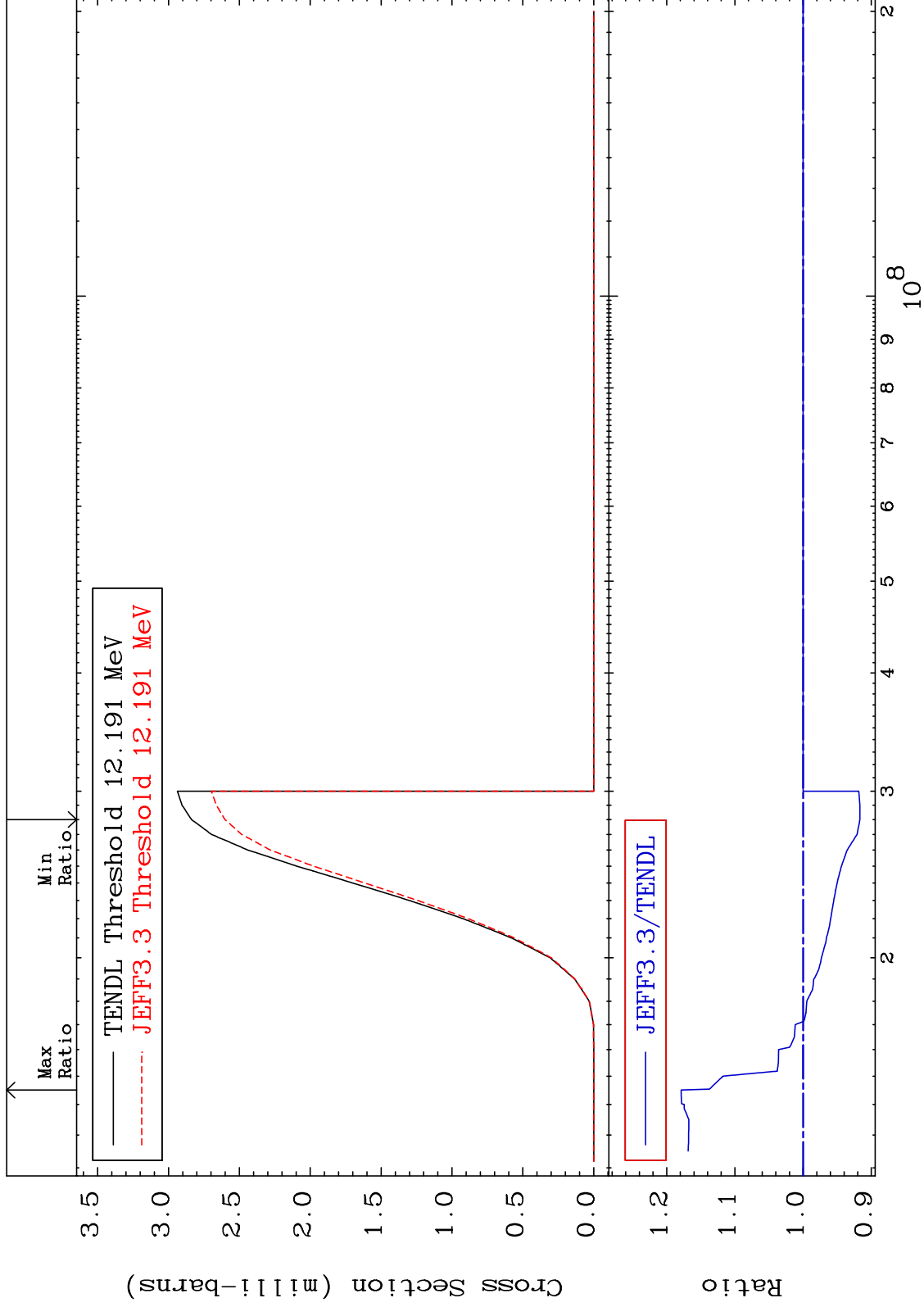


MAT 3837

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

38-Sr-88

Radionuclide Production Cross Section -8.327 To 17.87 %

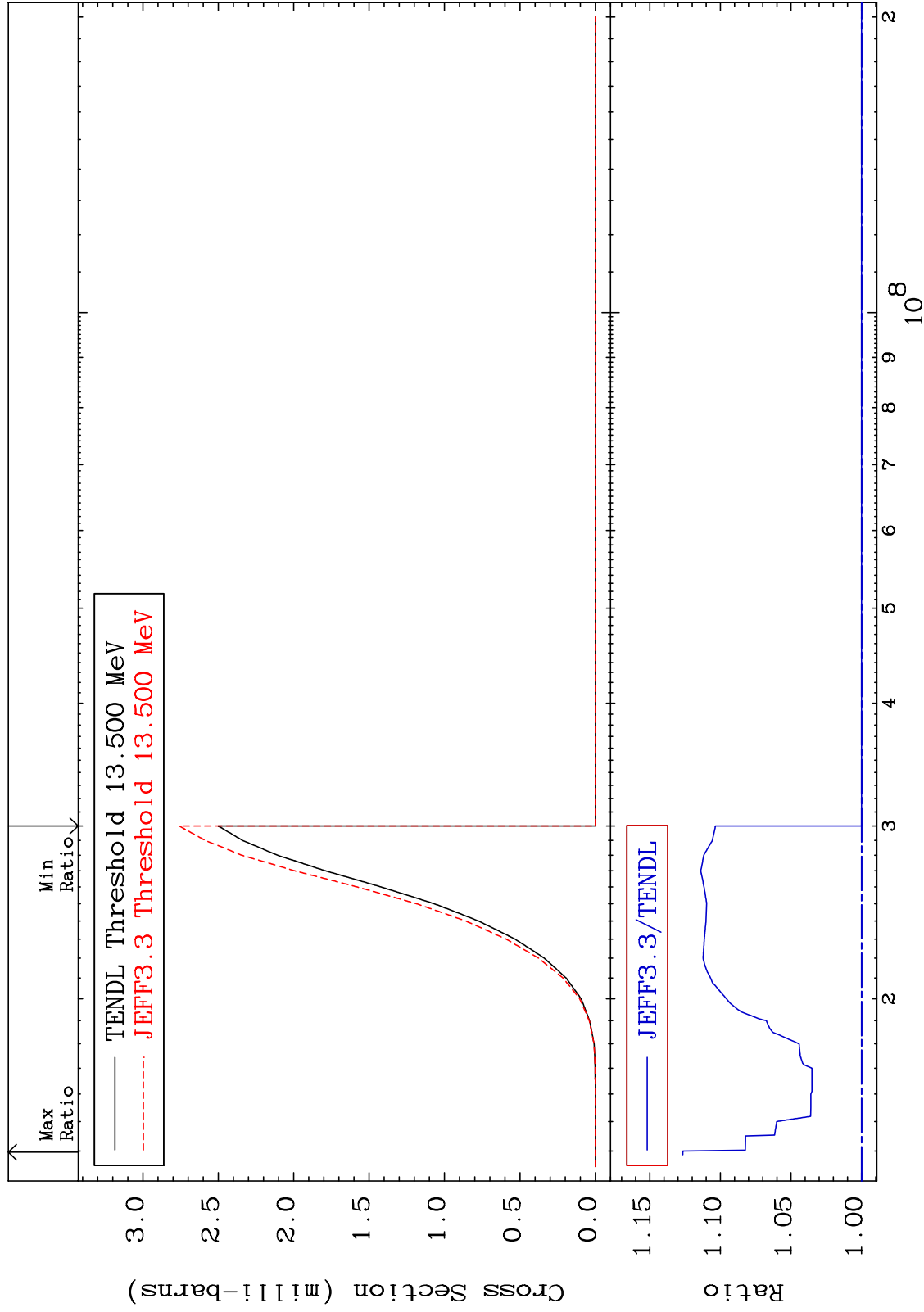


MAT 3837

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

38-Sr-88

Radionuclide Production Cross Section 0.000 To 12.66 %

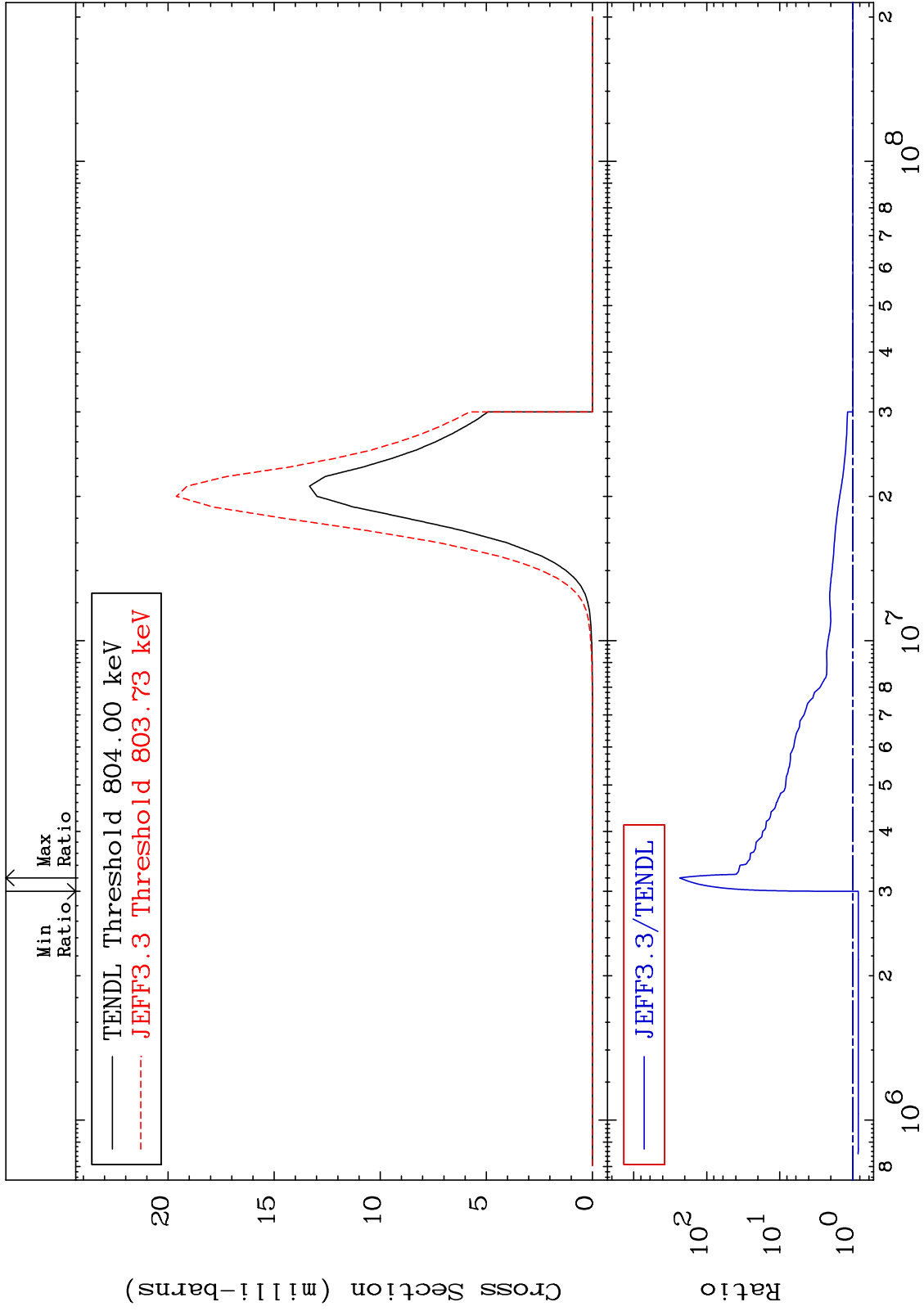


MAT 3837

38-Sr-88

(n, α): 36-Kr-85g

Radionuclide Production Cross Section -16.13 To 9999. %



87

Incident Energy (eV)

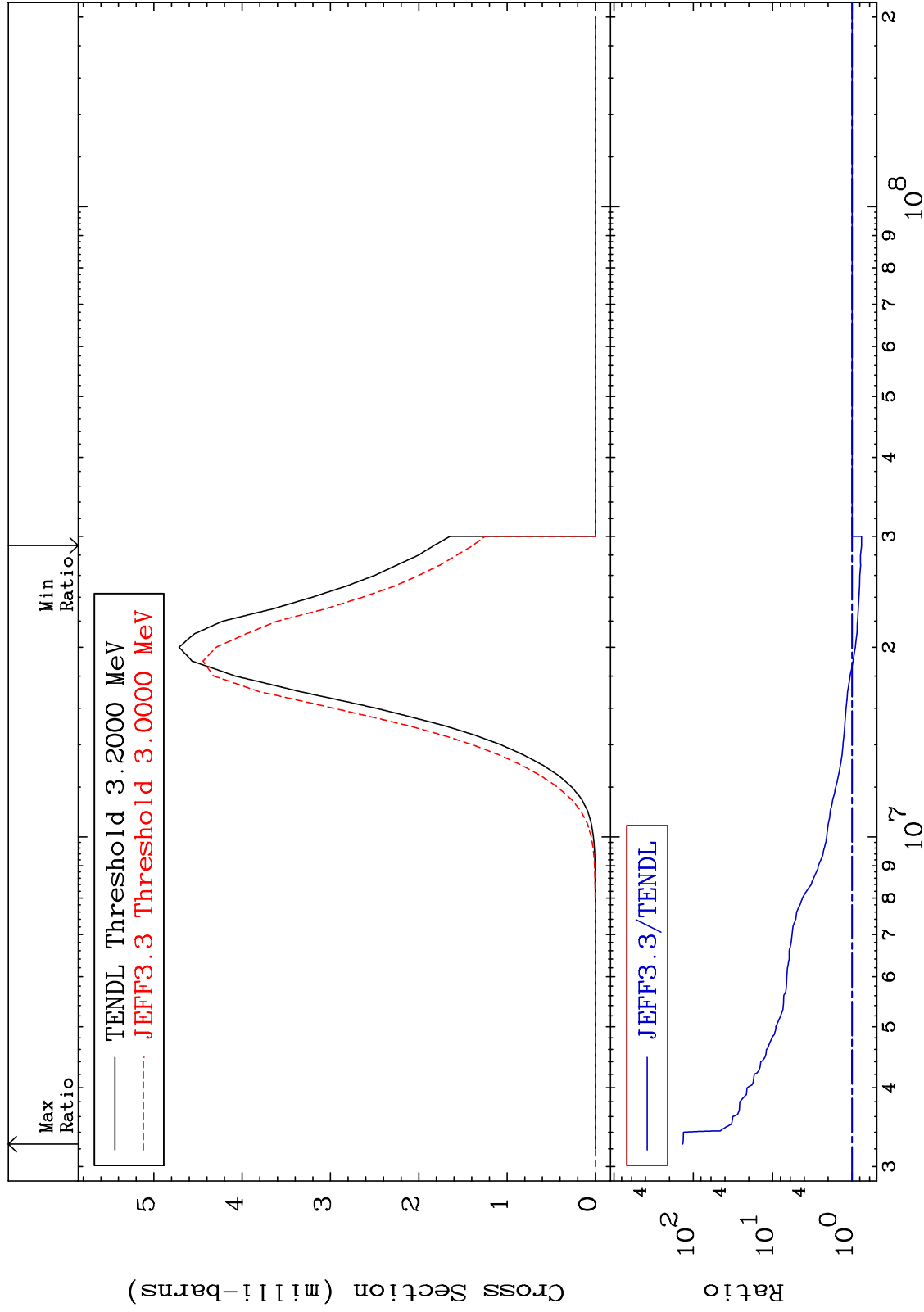
38-Sr-88

MAT 3837

(n, α): 36-Kr-85m1

38-Sr-88

Radionuclide Production Cross Section -24.07 To 9999. %



88

Incident Energy (eV)

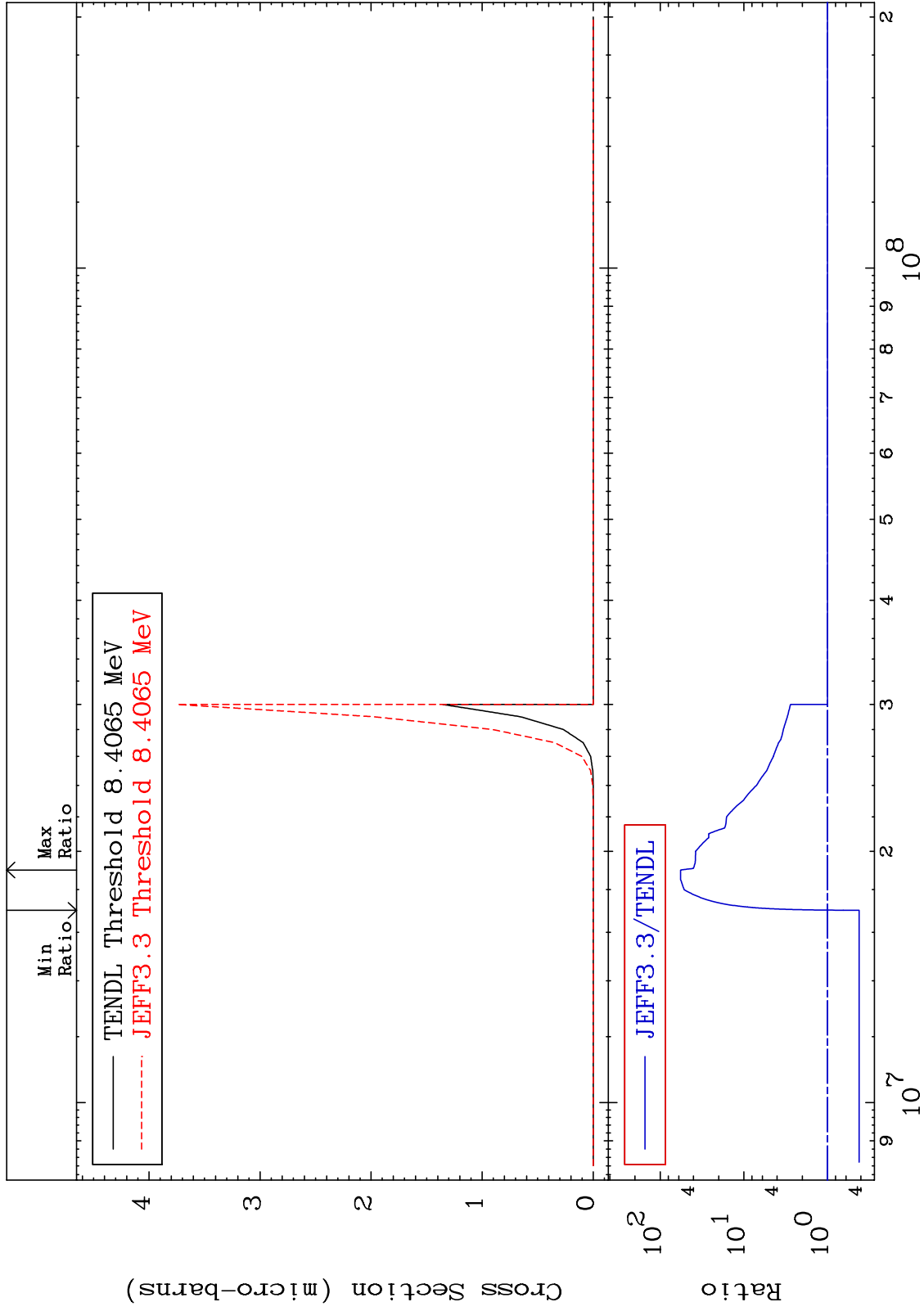
38-Sr-88

MAT 3837

(n,2α):34-Se-81g

38-Sr-88

Radionuclide Production Cross Section -58.18 To 5600. %



89

Incident Energy (eV)

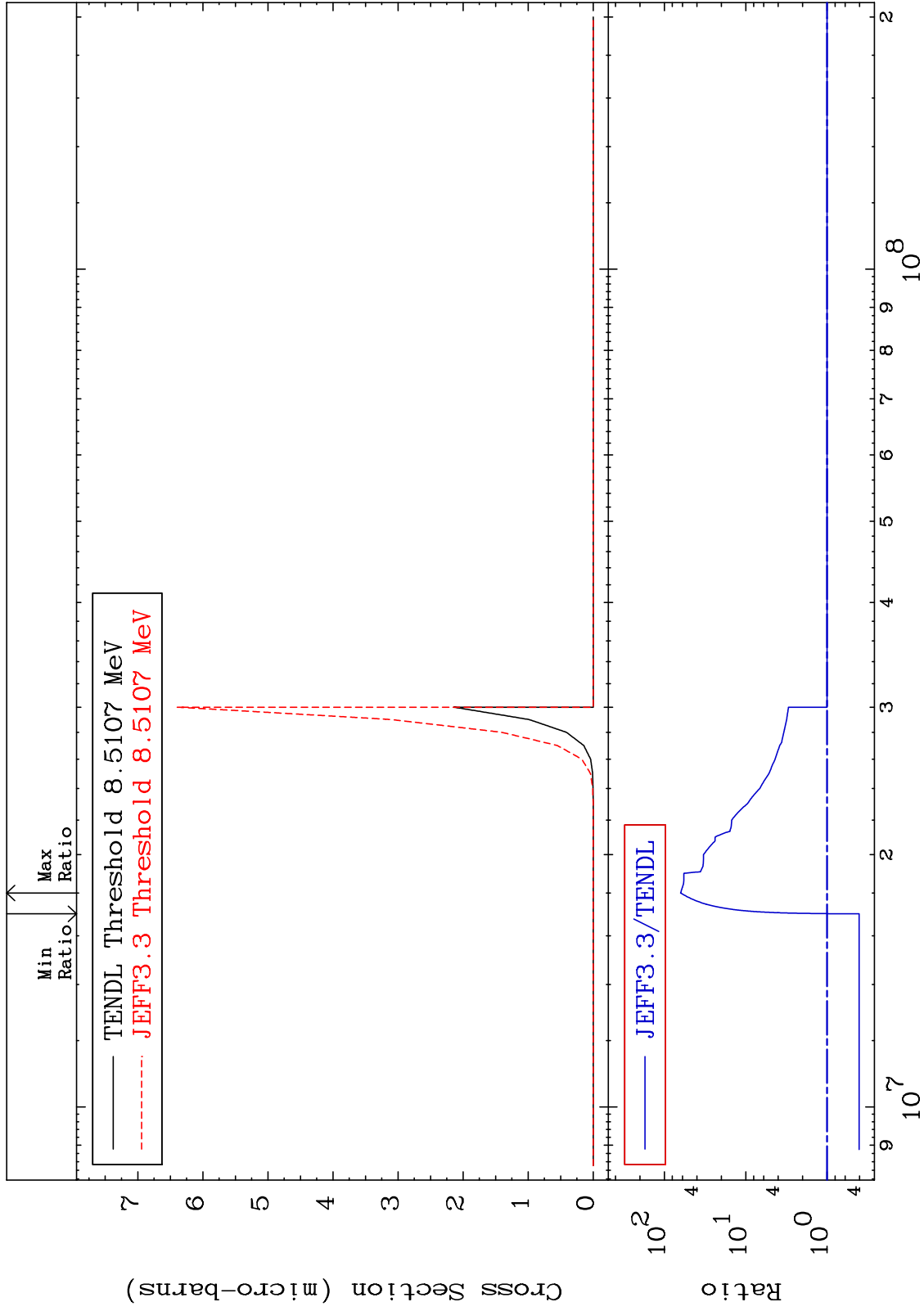
38-Sr-88

MAT 3837

(n,2α):34-Se-81m1

38-Sr-88

Radionuclide Production Cross Section -59.63 To 6227. %



90

Incident Energy (eV)

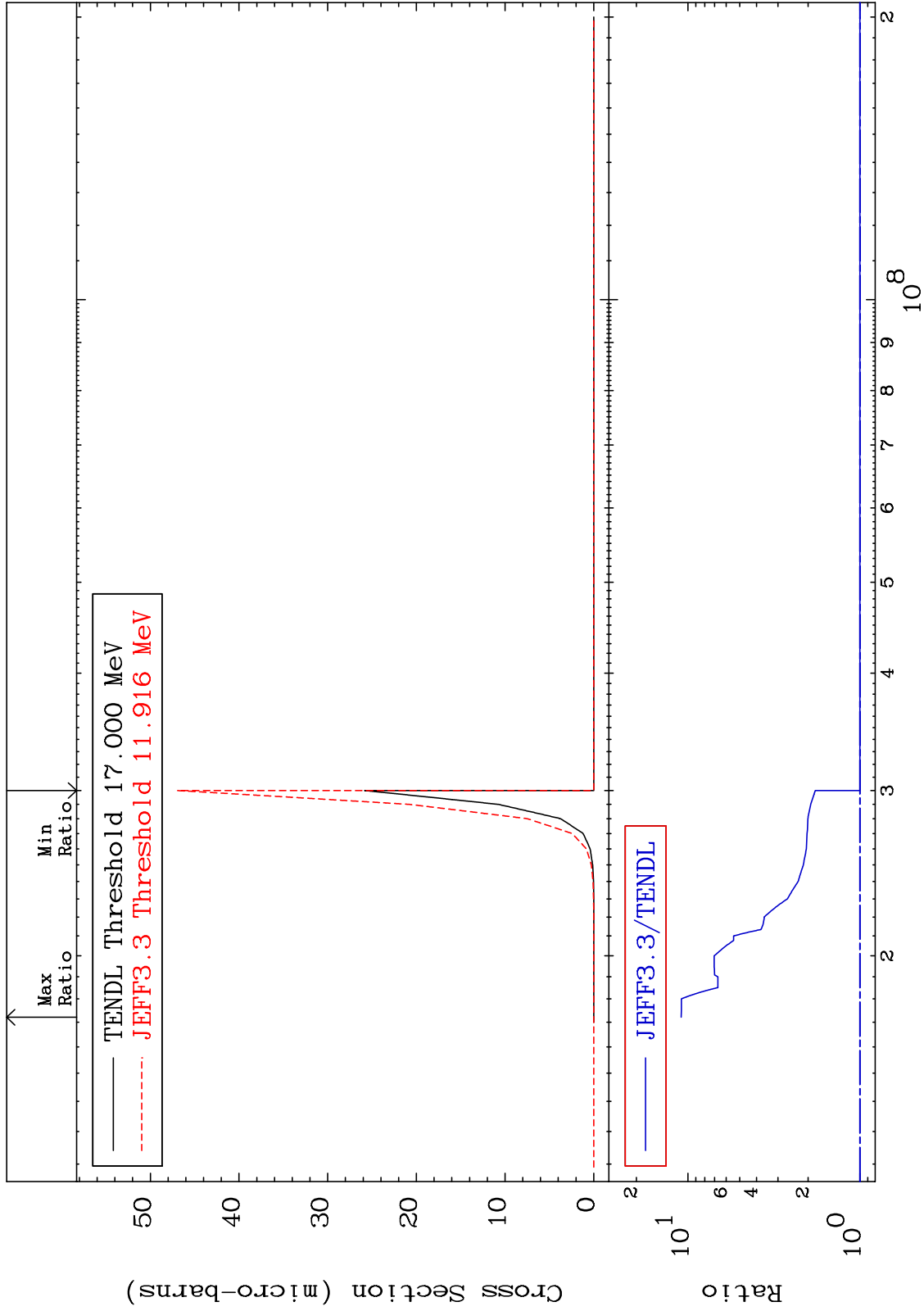
38-Sr-88

MAT 3837

(n, p) α :35-Br-84g

38-Sr-88

Radionuclide Production Cross Section 0.000 To 995.2 %

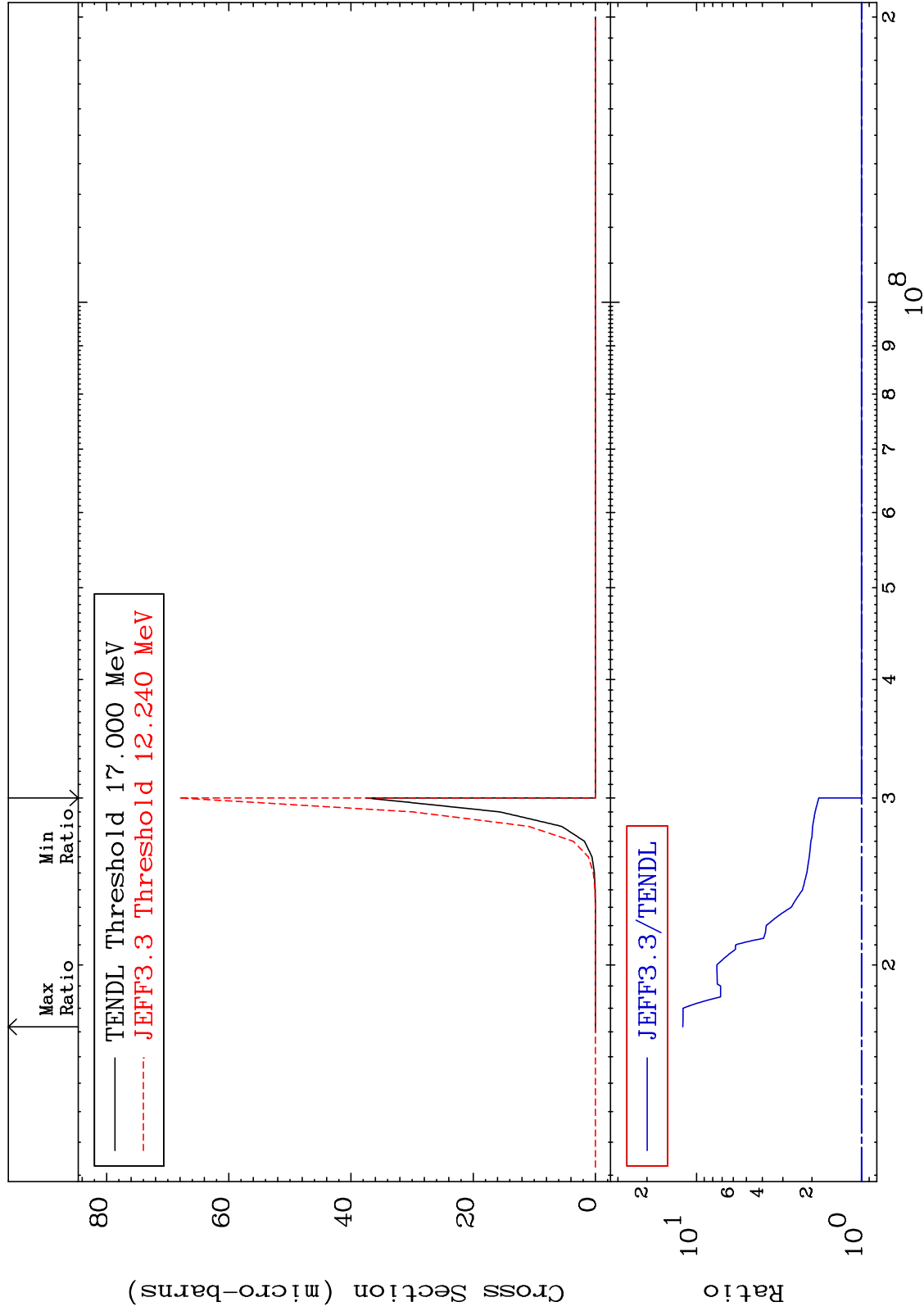


MAT 3837

(n, p) α : 35-Br-84m1

38-Sr-88

Radionuclide Production Cross Section 0.000 To 1112. %

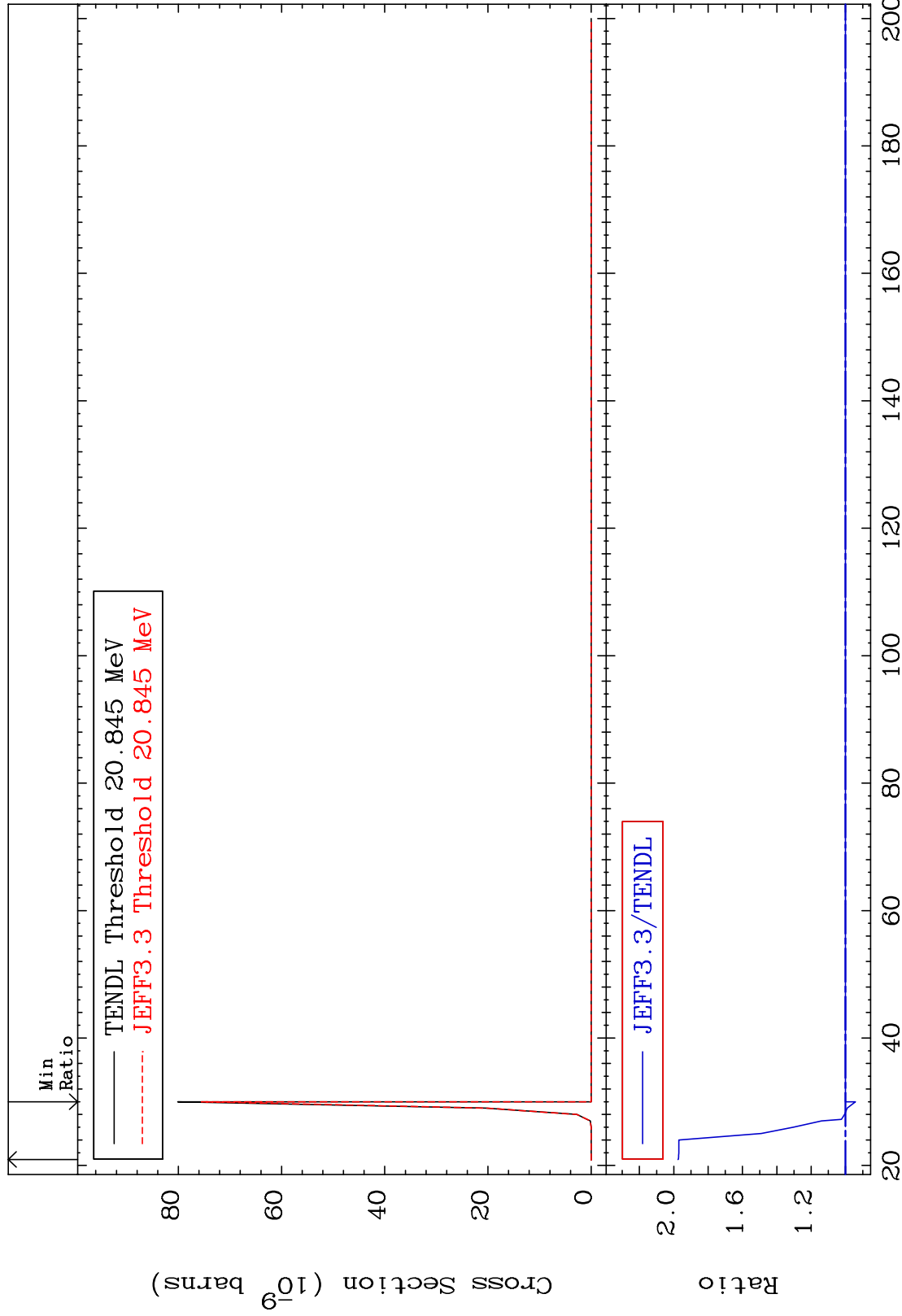


MAT 3837

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

38-Sr-88

Radionuclide Production Cross Section -5.790 To 97.53 %



93

Incident Energy (MeV)

38-Sr-88

MAT 3837

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

38-Sr-88

Radionuclide Production Cross Section -0.929 To 112.9 %

