

Program Complot
(Version 2018-1)

by

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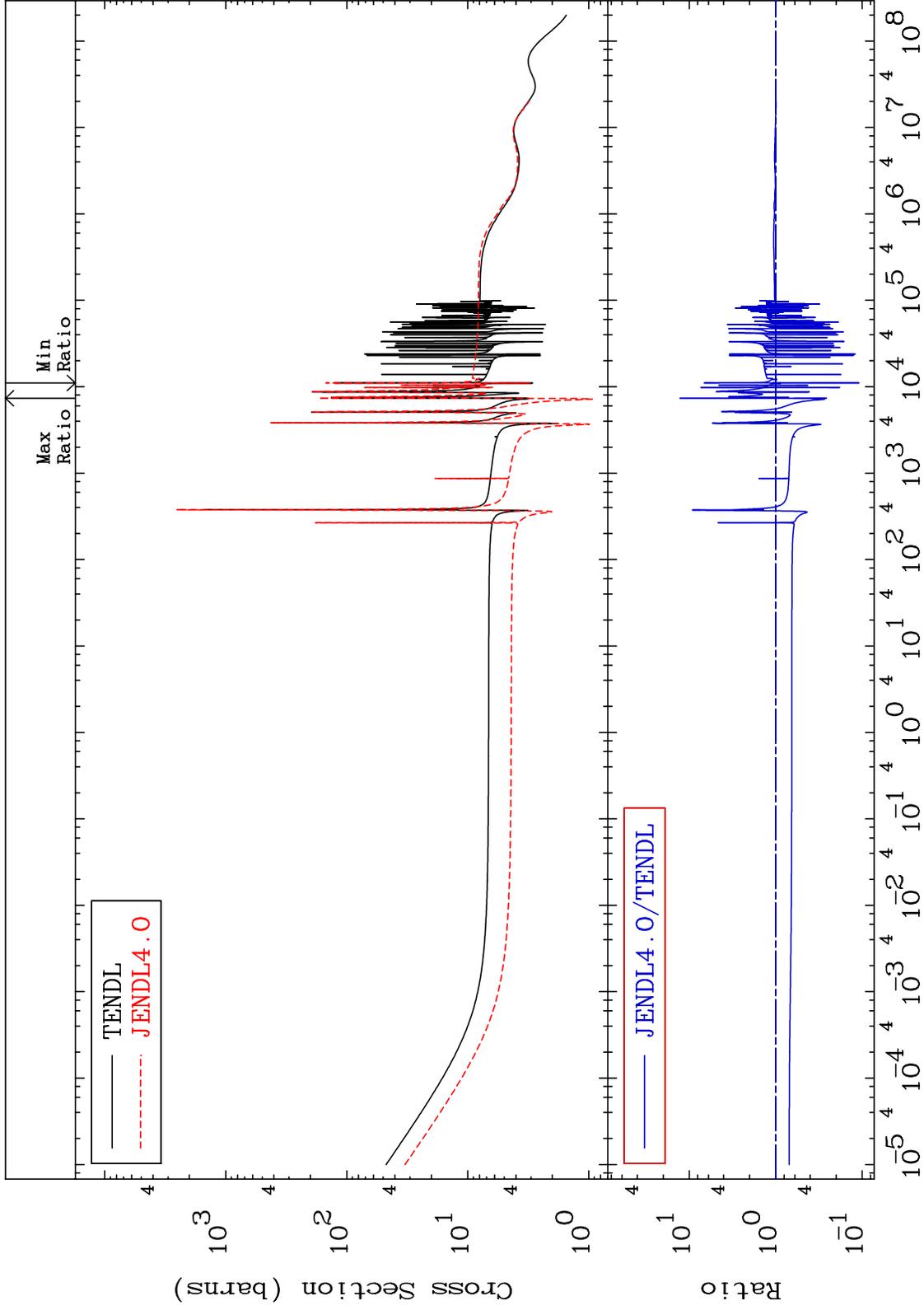
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3731

Total
Cross Section

37-Rb-87
-89.12 To 1174. %



1

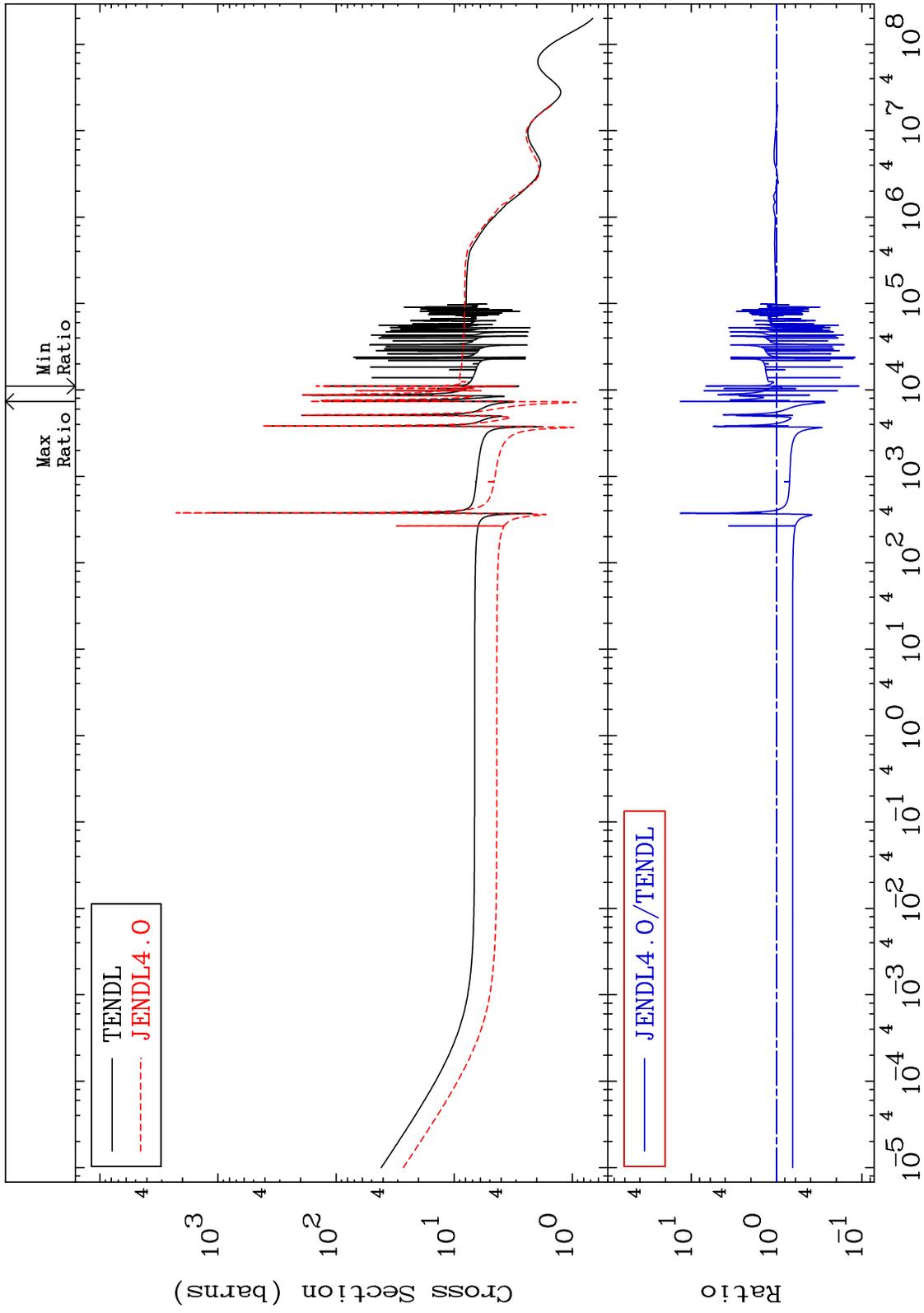
Incident Energy (eV)

37-Rb-87

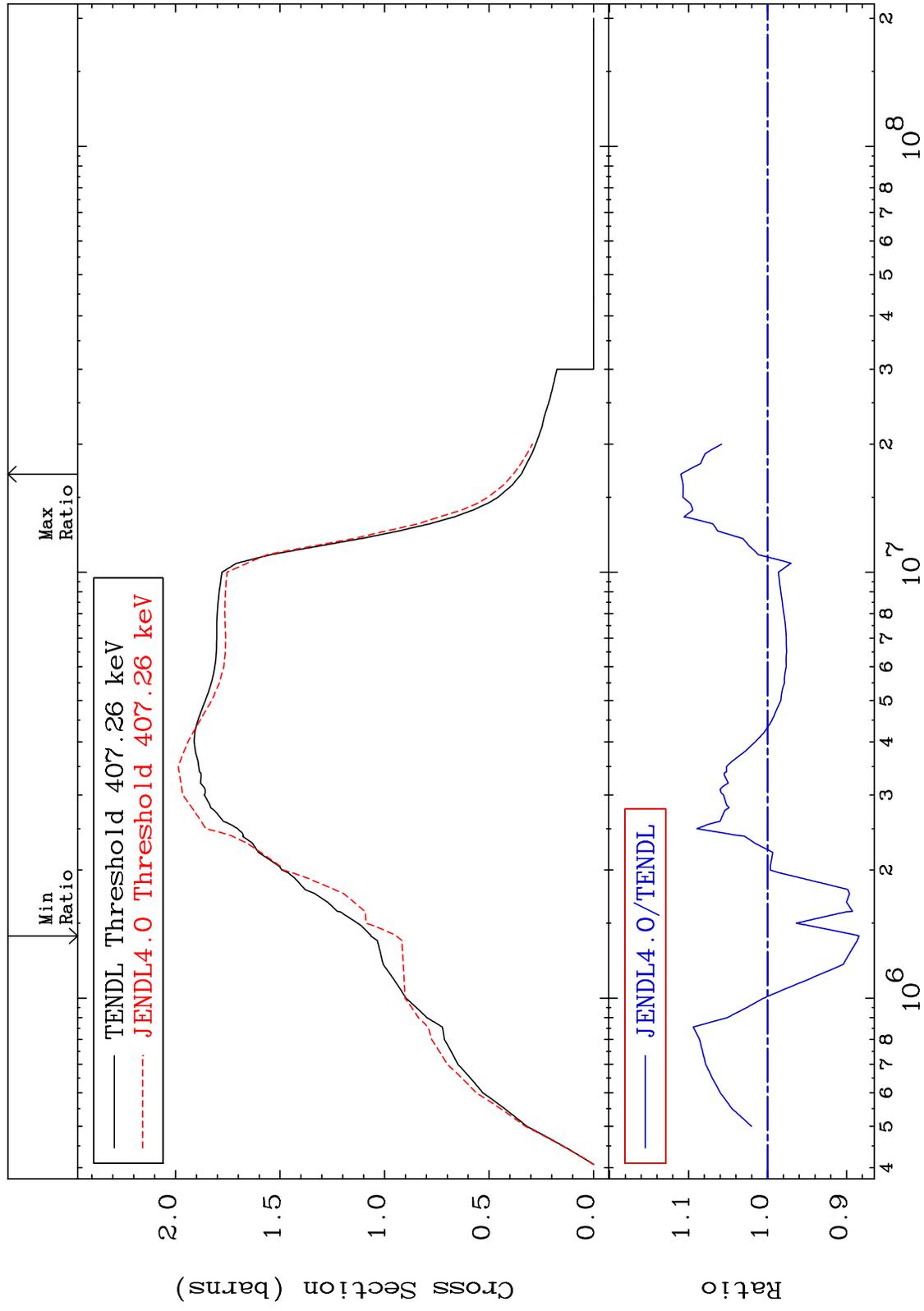
MAT 3731

Elastic
Cross Section

37-Rb-87
-89.14 To 1247. %

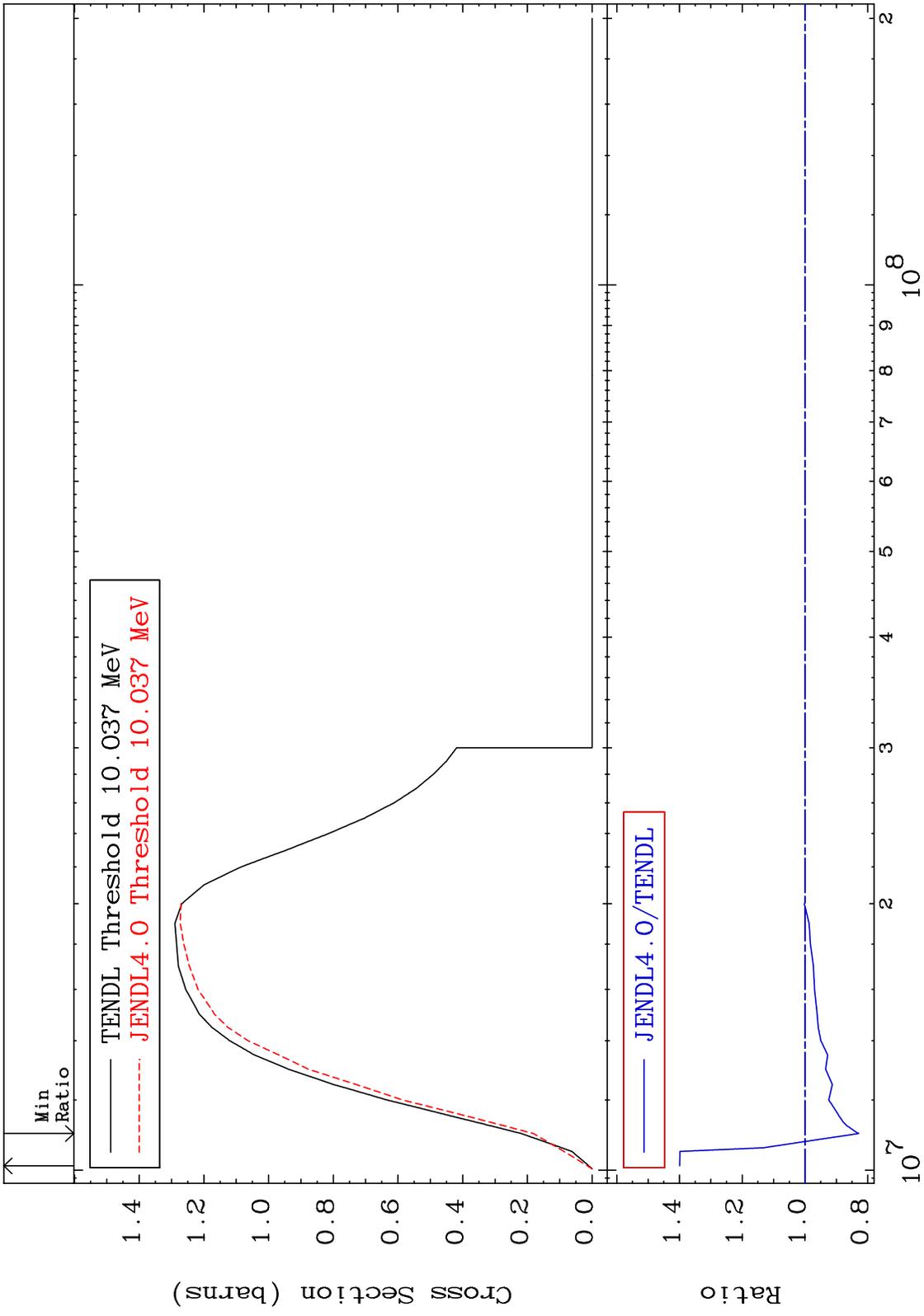


MAT 3731 Inelastic Cross Section 37-Rb-87 -11.58 To 10.98 %



37-Rb-87

MAT 3731 (n,2n) Cross Section 37-Rb-87 -17.15 To 39.92 %



37-Rb-87

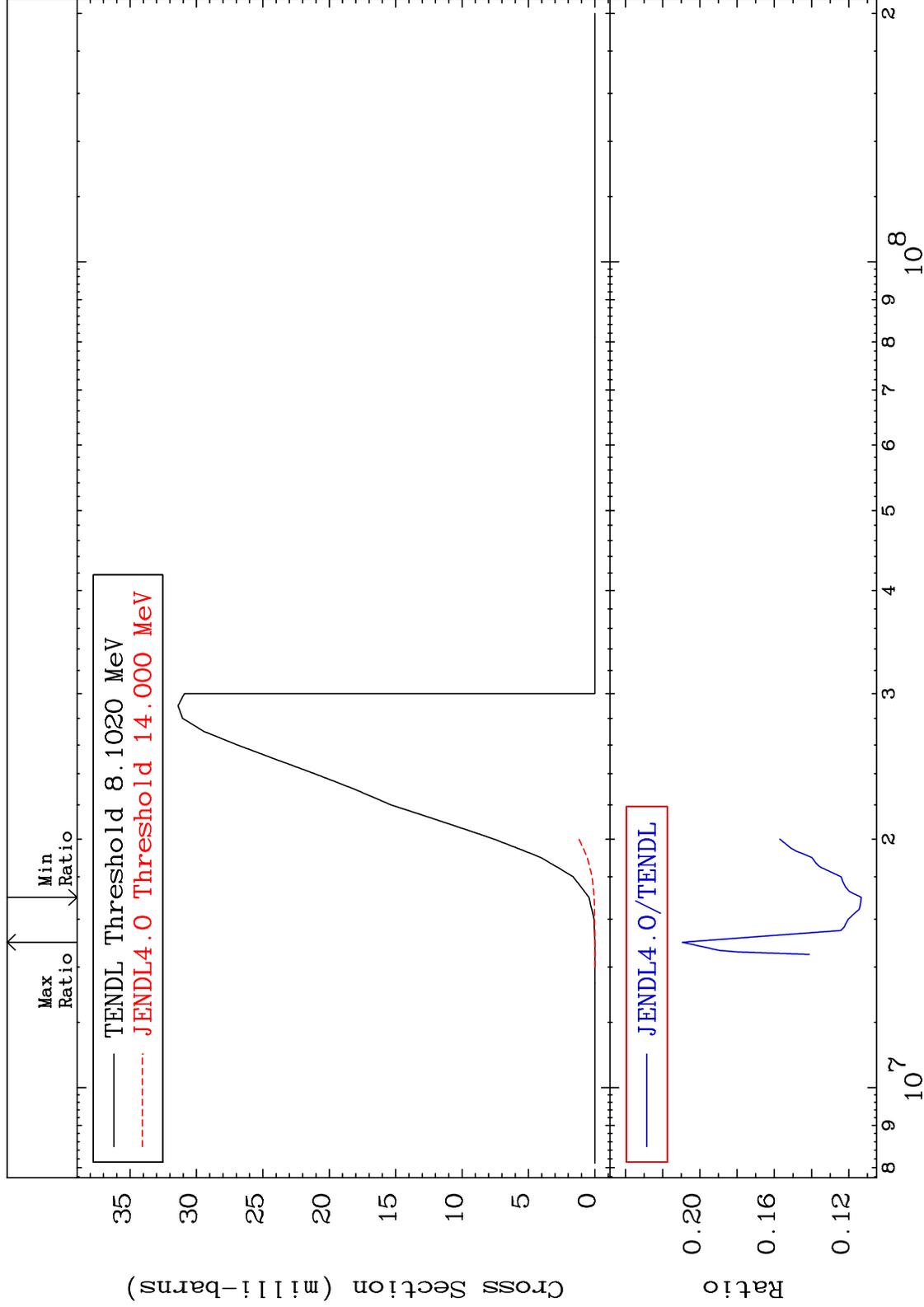
MAT 3731

(n,n') α

37-Rb-87

Cross Section

-88.67 To -79.06%



5

Incident Energy (eV)

37-Rb-87

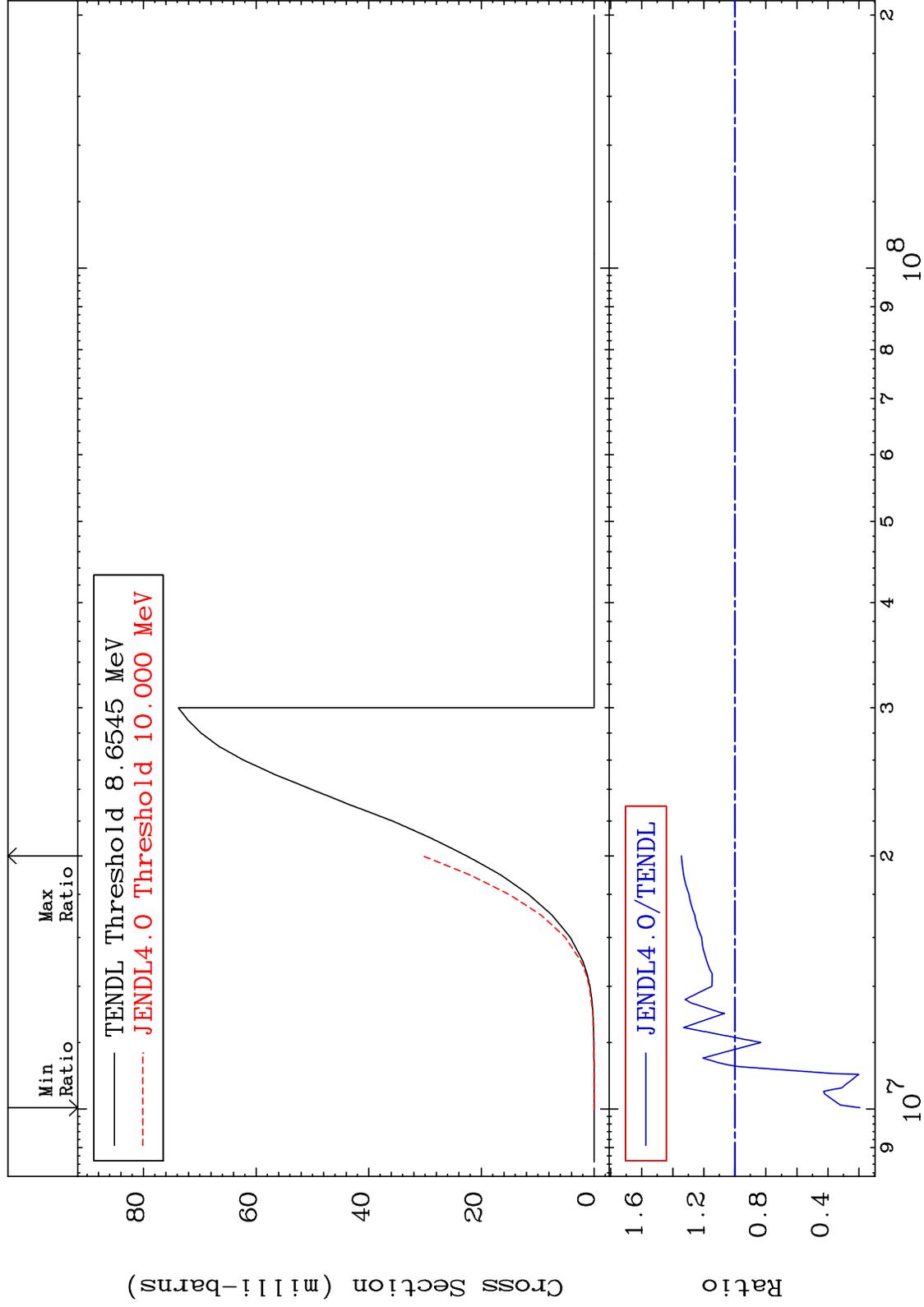
MAT 3731

(n,n') p

37-Rb-87

Cross Section

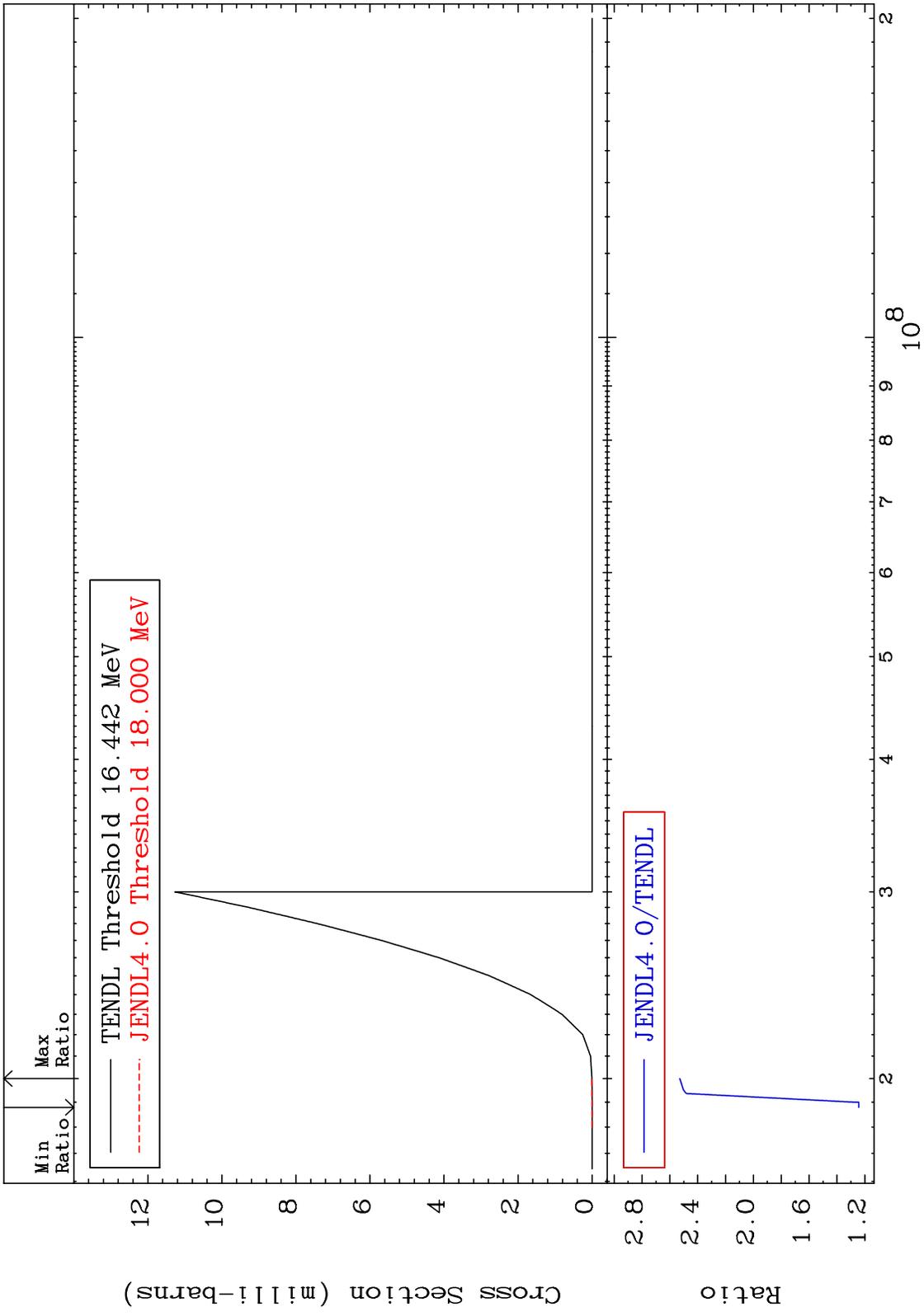
-80.55 To 34.41 %



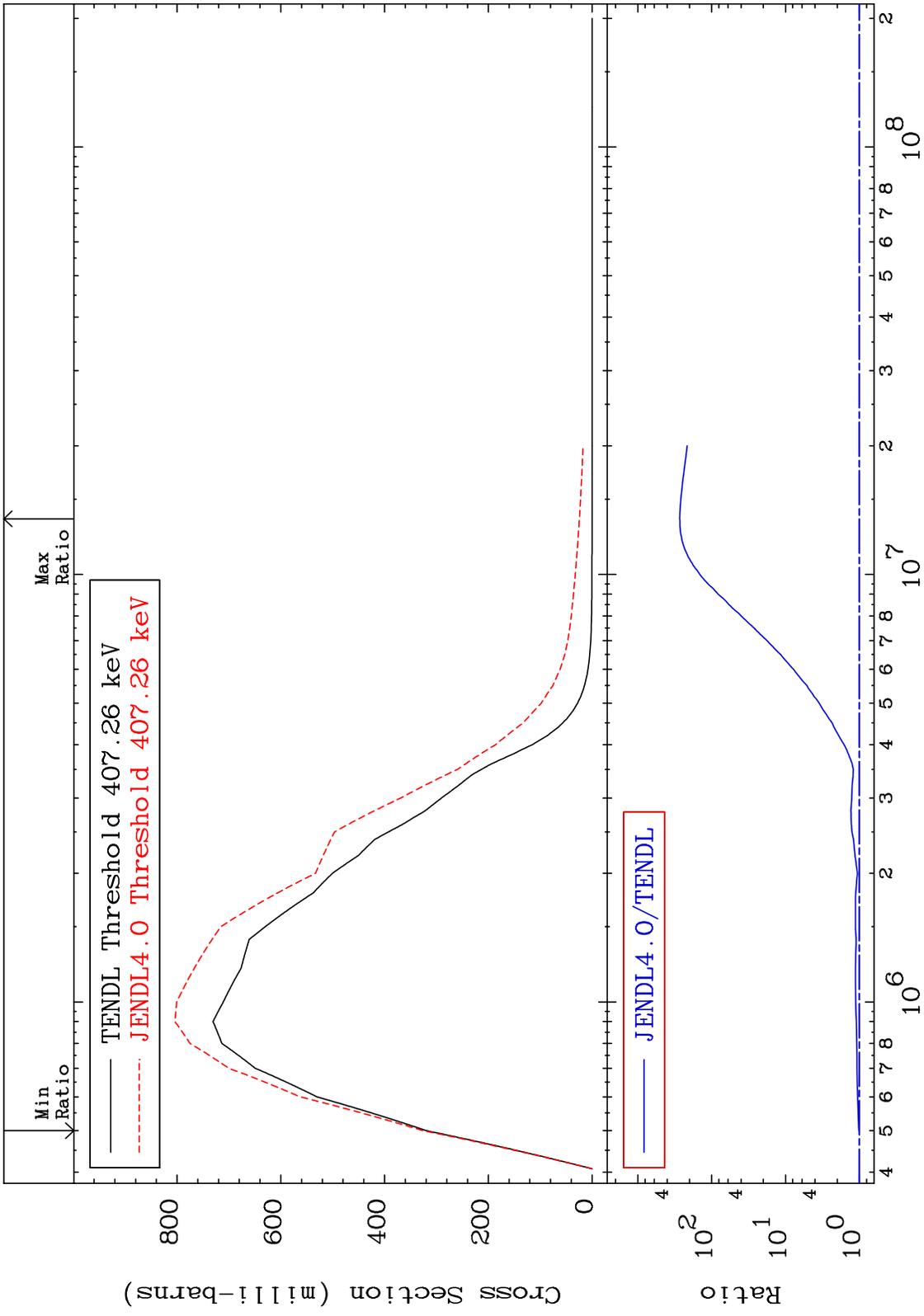
6

Incident Energy (eV)

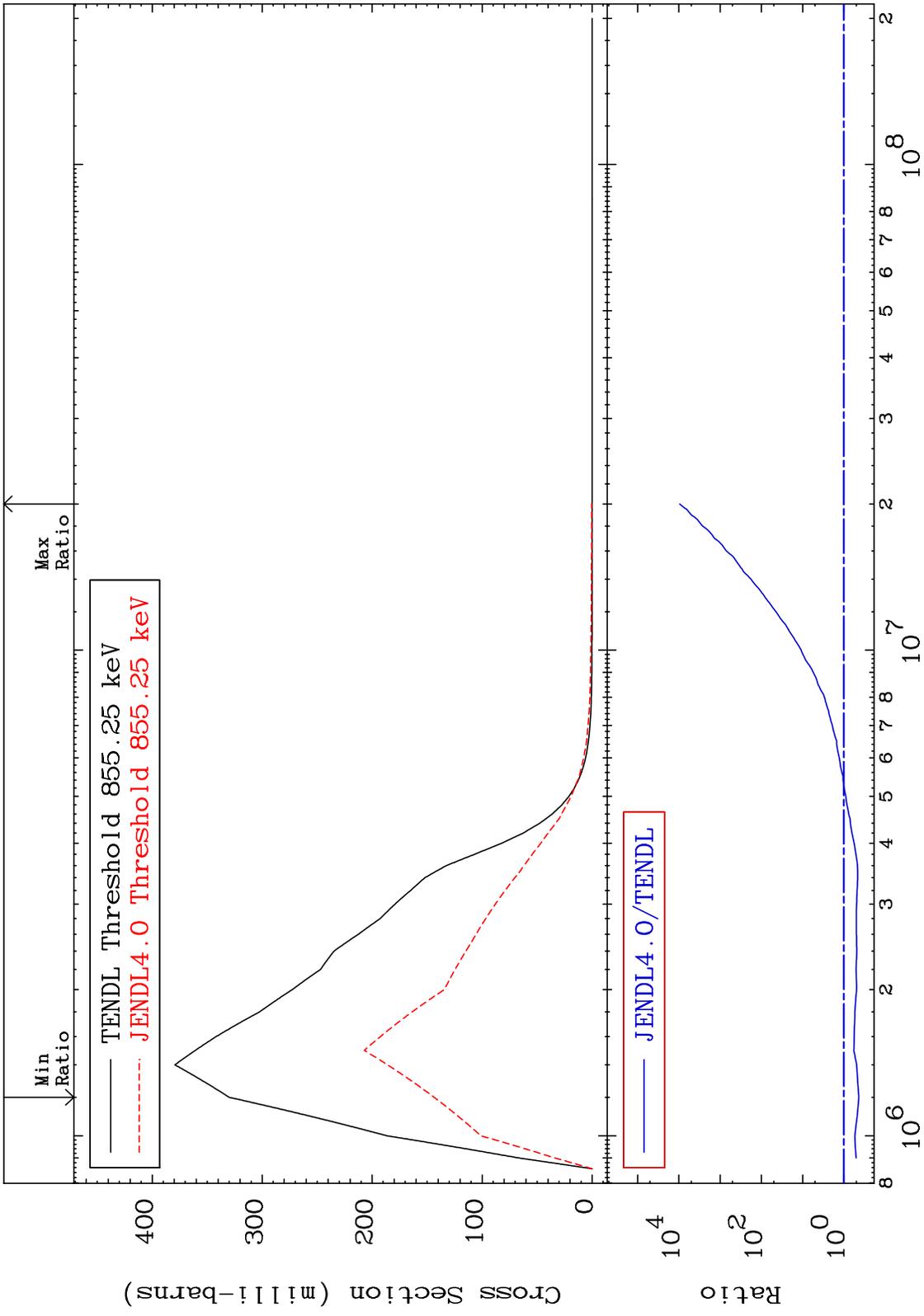
37-Rb-87



MAT 3731 MT= 51 (n,n') Level Cross Section 2.035 To 9999. % 37-Rb-87

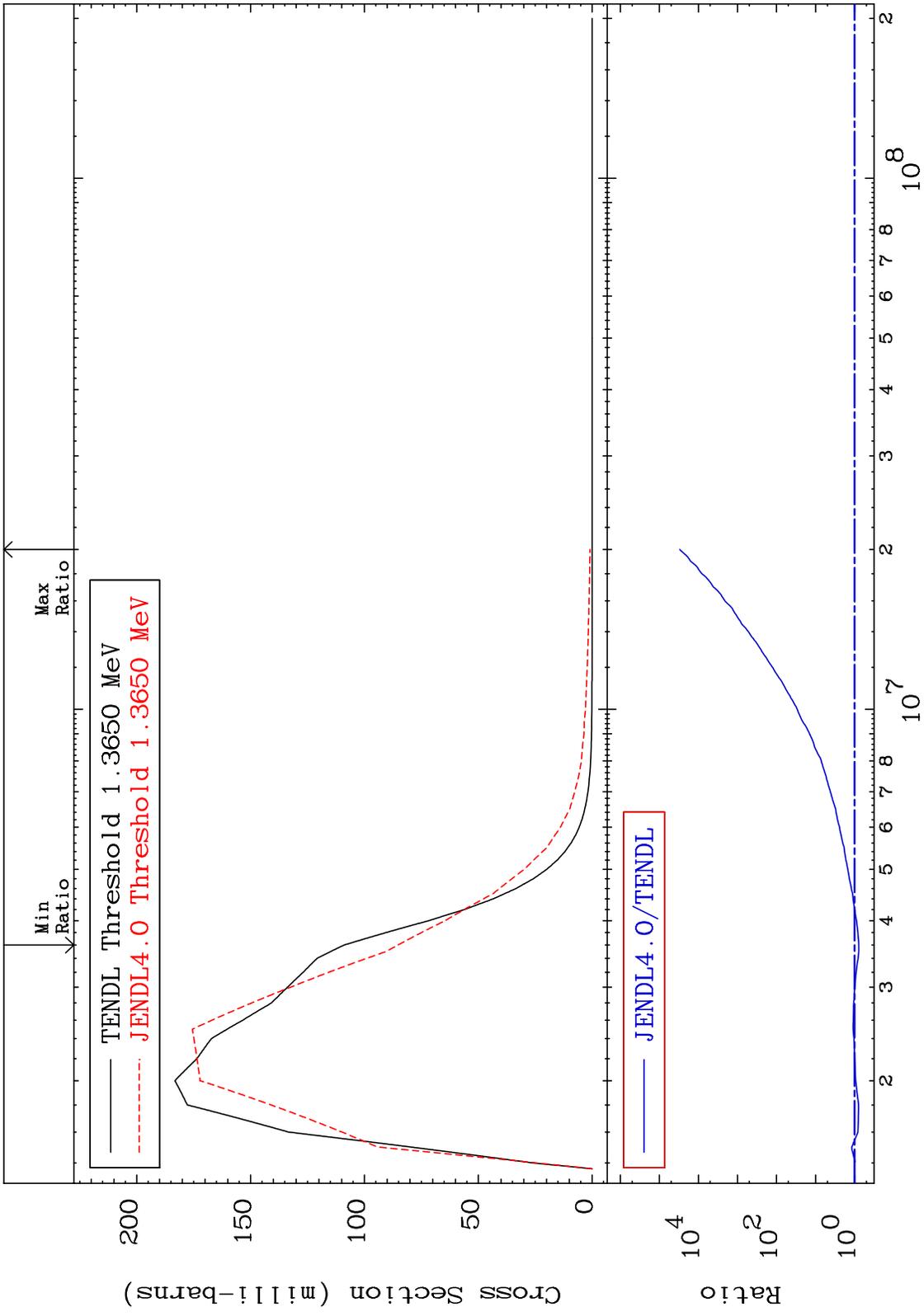


MAT 3731 MT= 52 (n,n') Level Cross Section -56.48 To 9999. % 37-Rb-87



9 Incident Energy (eV) 37-Rb-87

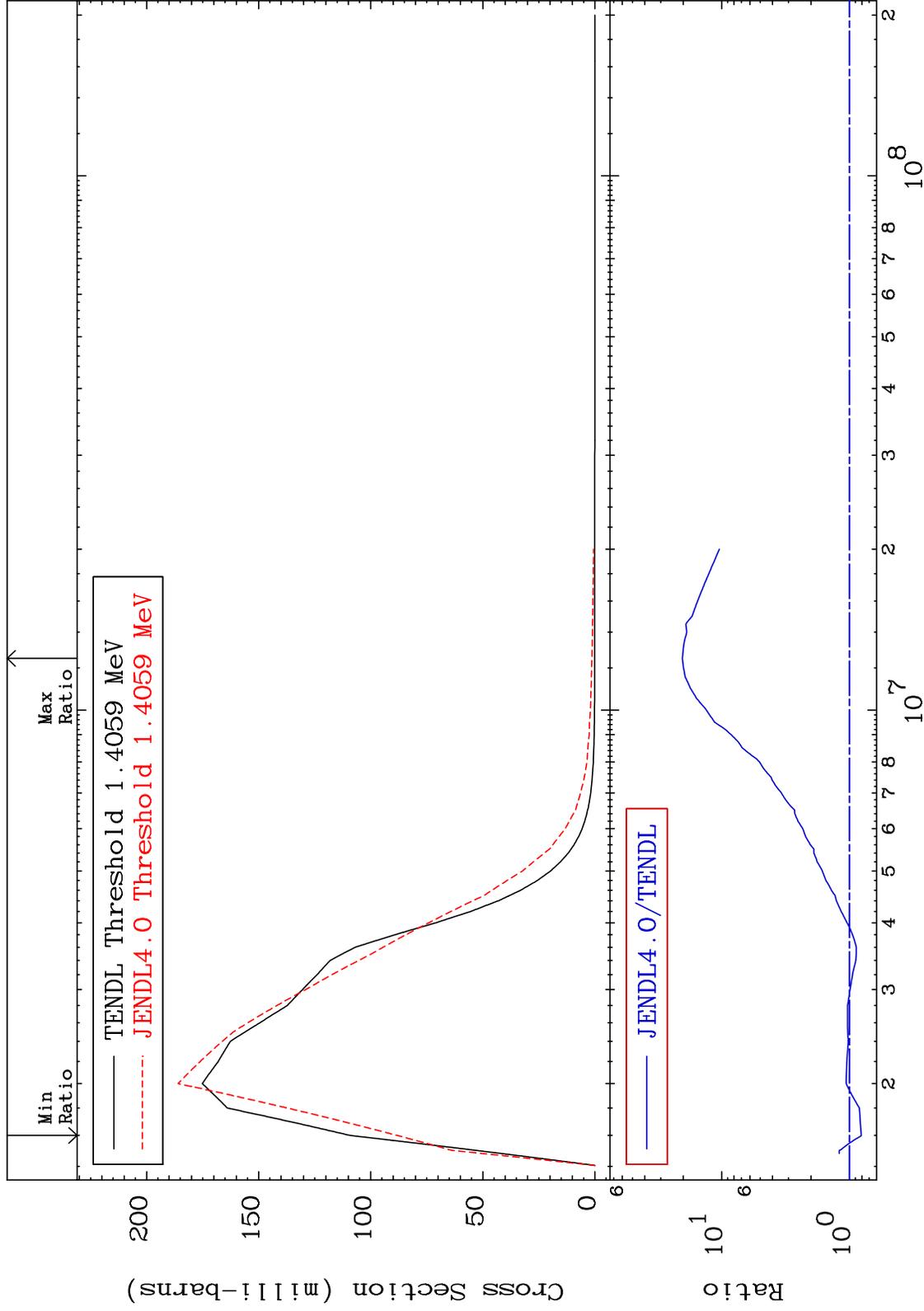
MAT 3731 MT= 53 (n, n') Level Cross Section -21.70 To 9999. % 37-Rb-87



MAT 3731

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

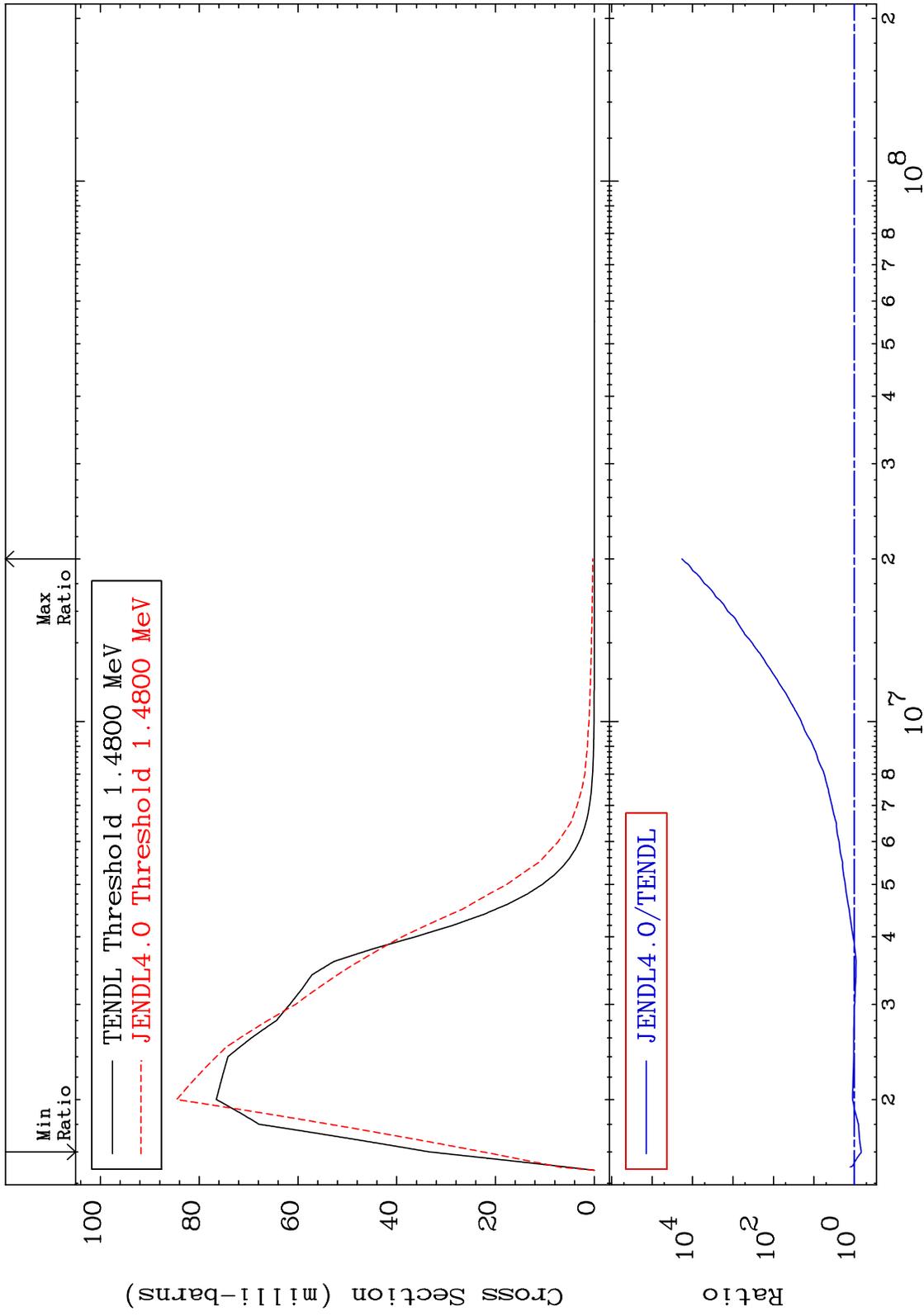
37-Rb-87
-19.24 To 1929. %



MAT 3731

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

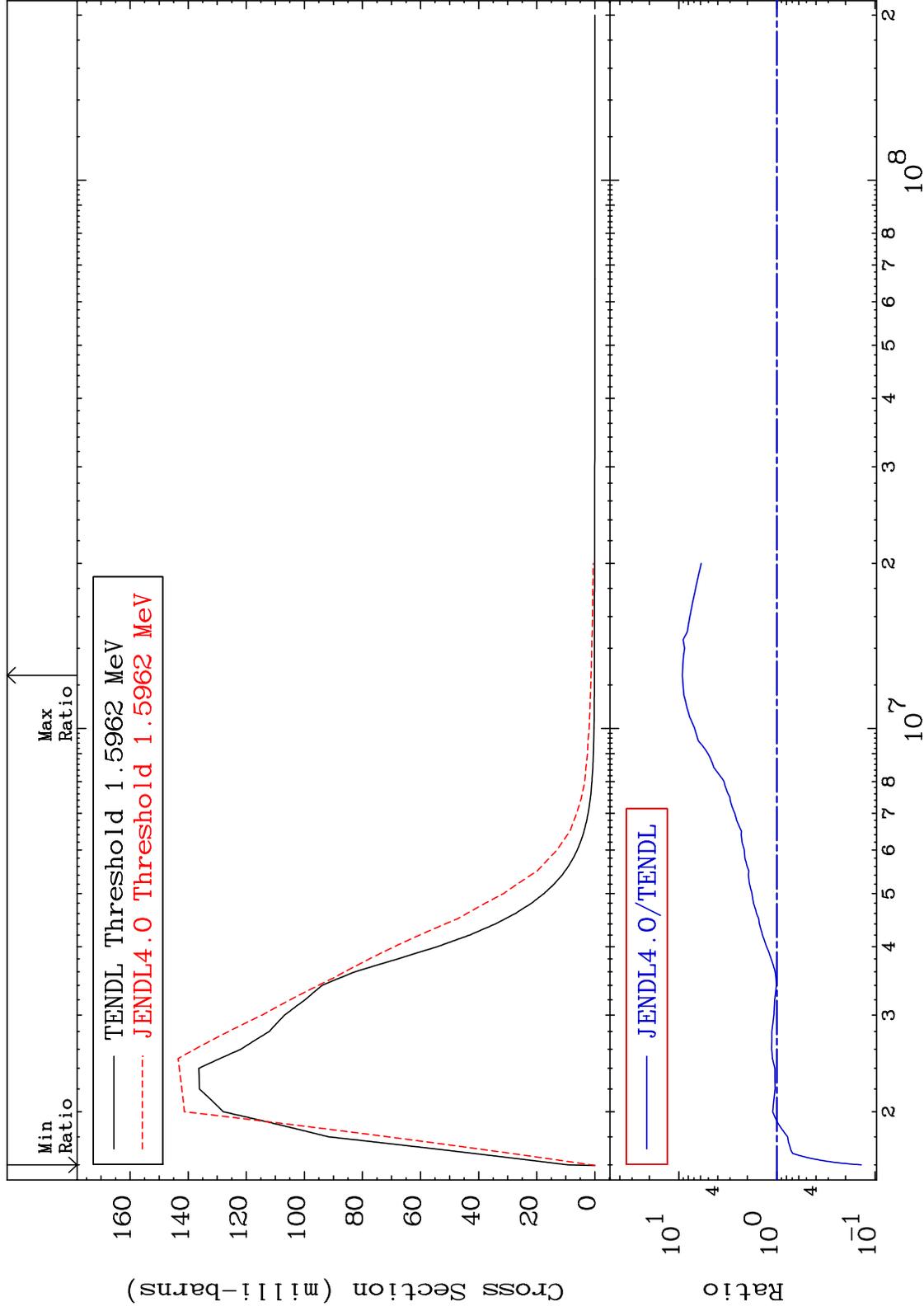
37-Rb-87
-32.45 To 9999. %



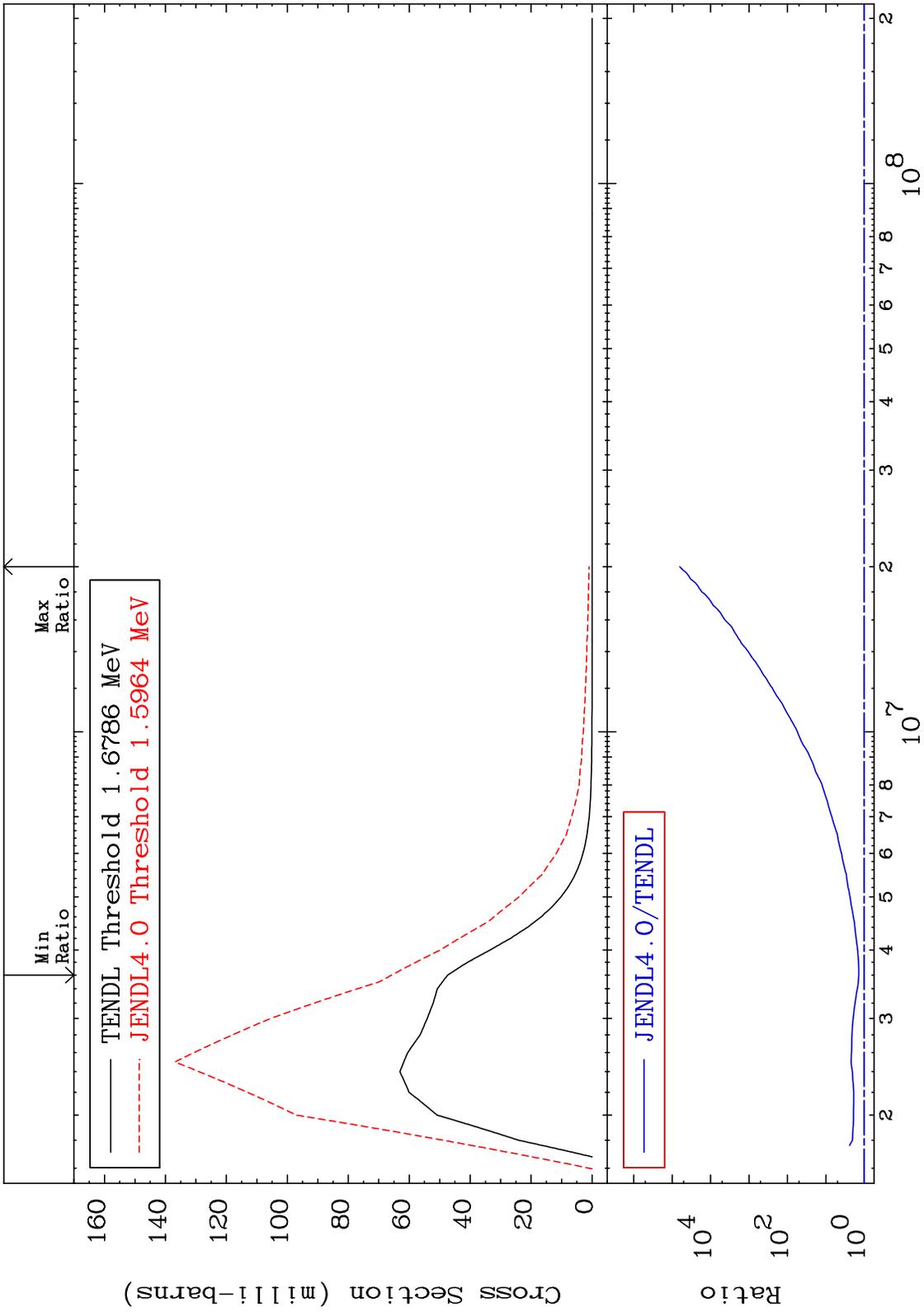
MAT 3731

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

37-Rb-87
-86.22 To 817.7 %



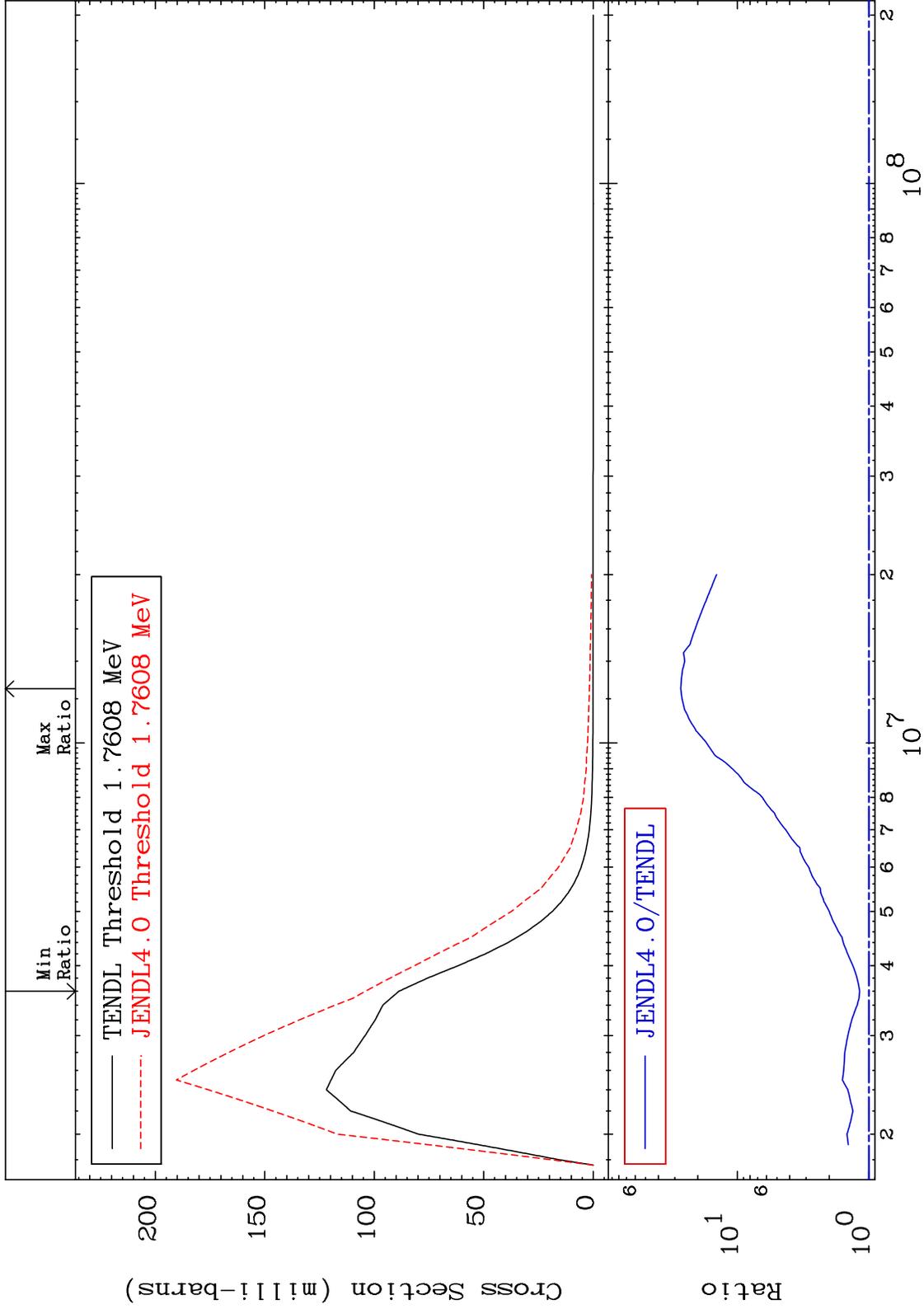
MAT 3731 MT= 57 (n,n') Level Cross Section 38.77 To 9999. % 37-Rb-87



MAT 3731

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

37-Rb-87
17.26 To 2599. %



15

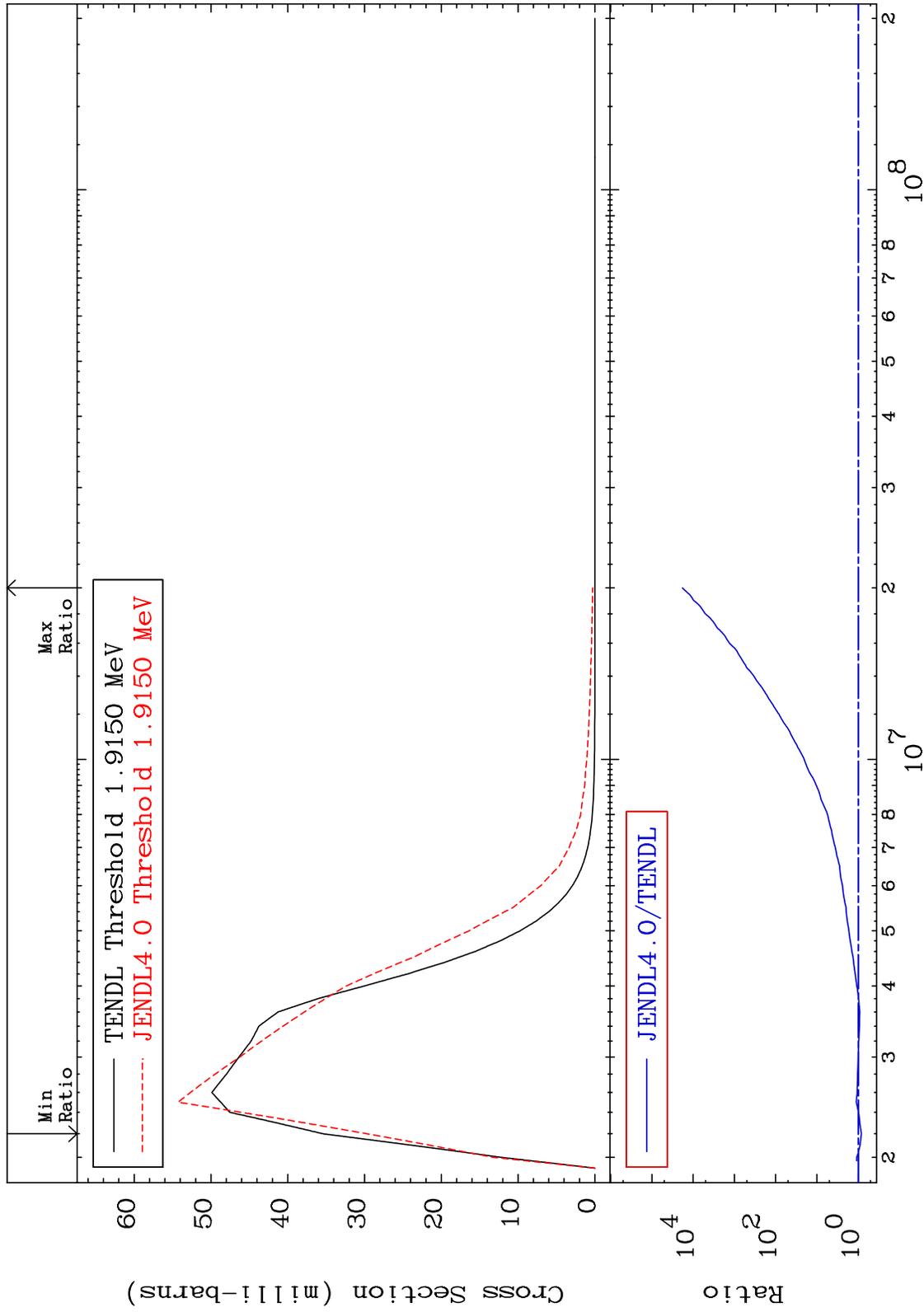
Incident Energy (eV)

37-Rb-87

MAT 3731

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

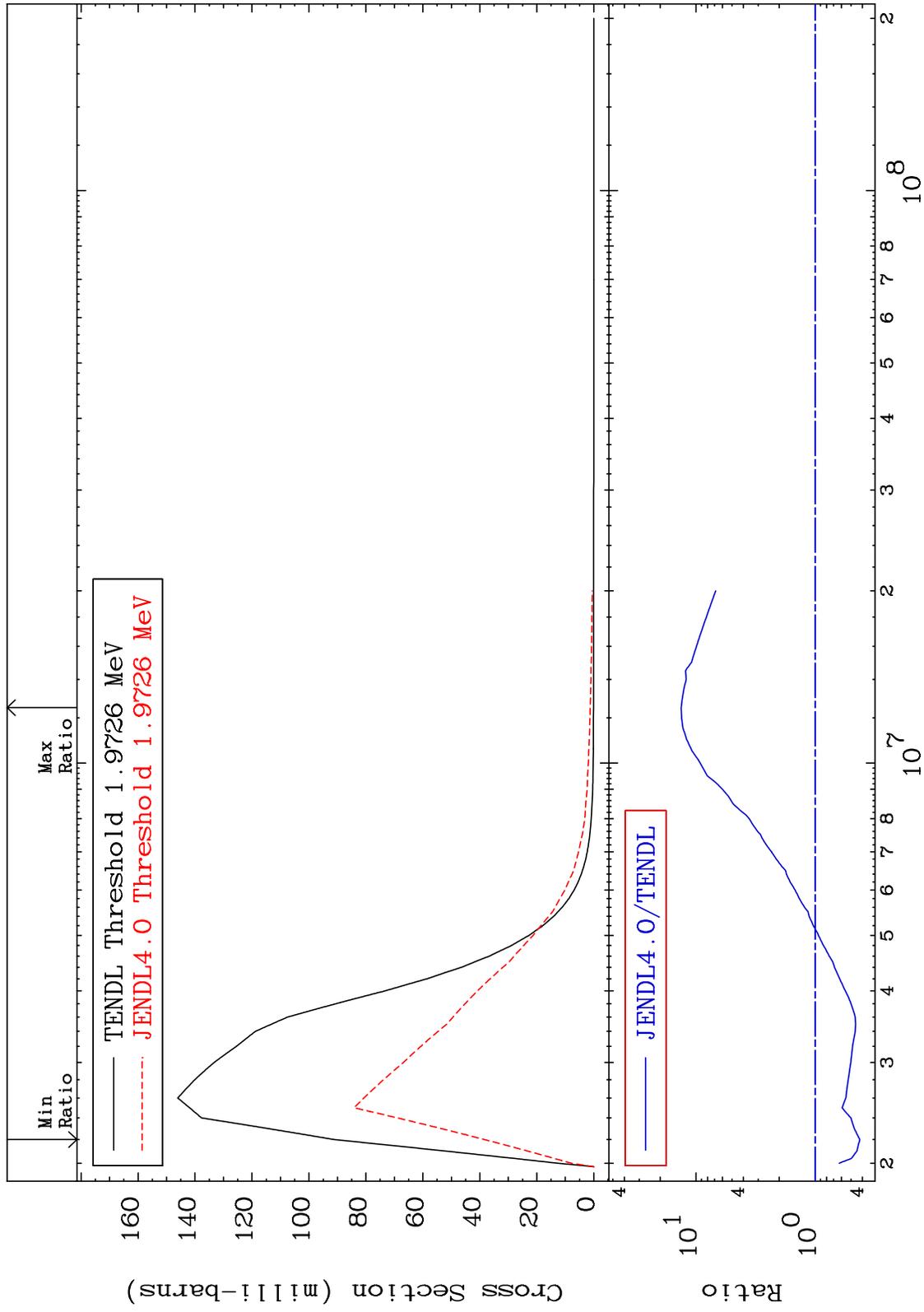
37-Rb-87
-16.26 To 9999. %



MAT 3731

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

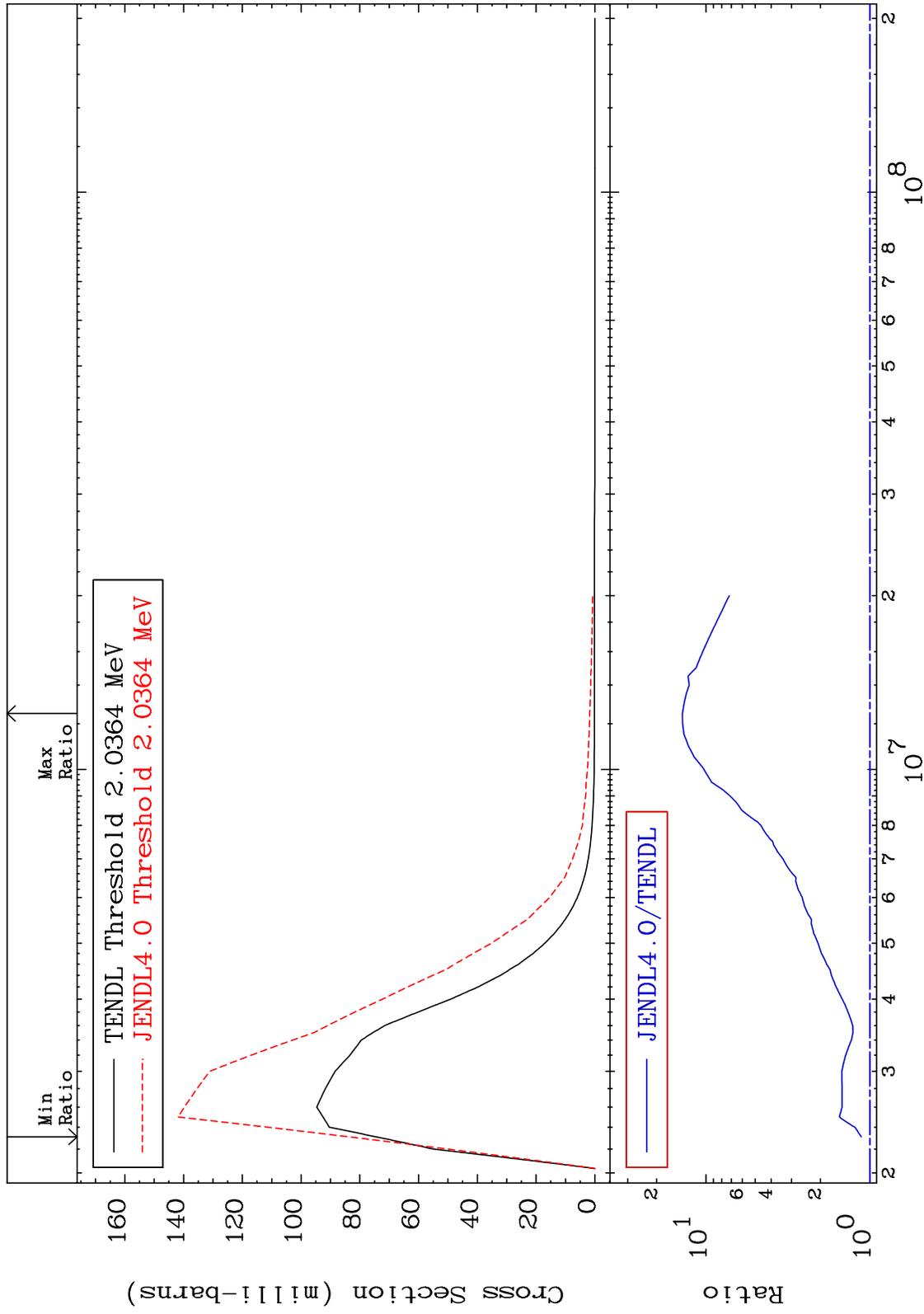
37-Rb-87
-57.88 To 1234. %



MAT 3731

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

37-Rb-87
12.55 To 1292. %

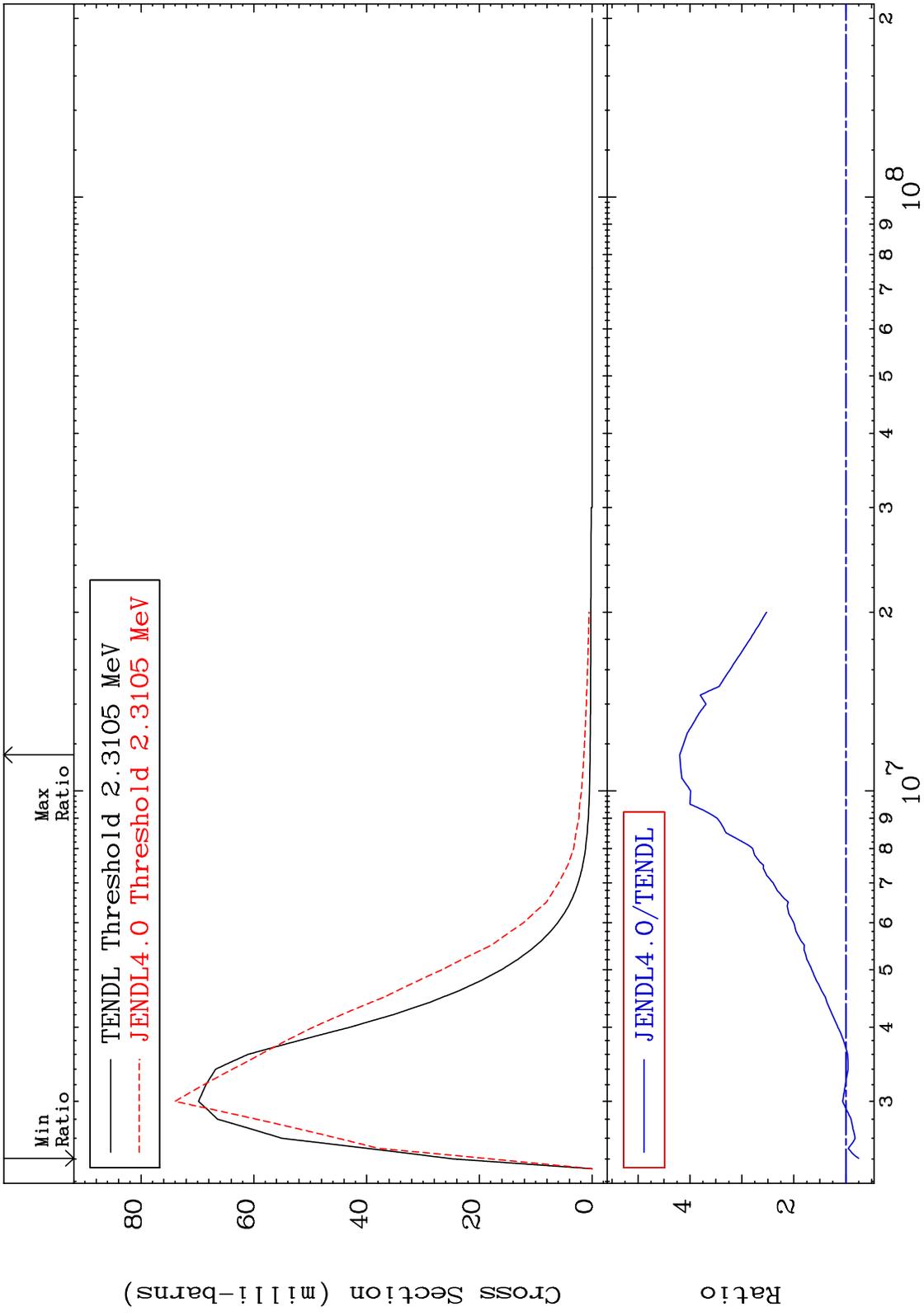


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Incident Energy (eV)

37-Rb-87

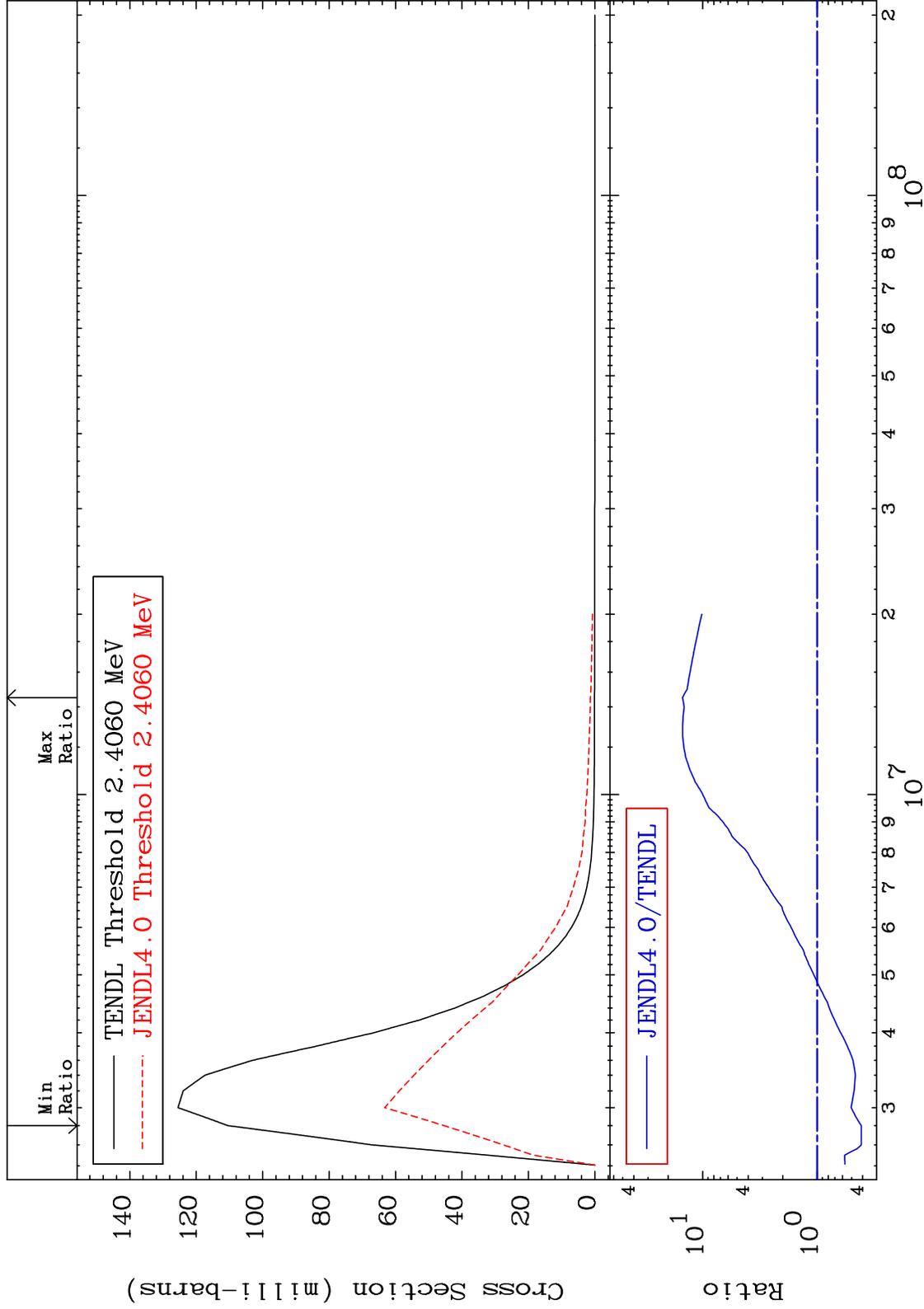
MAT 3731 MT= 62 (n,n') Level Cross Section -25.15 To 319.6 % 37-Rb-87



MAT 3731

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

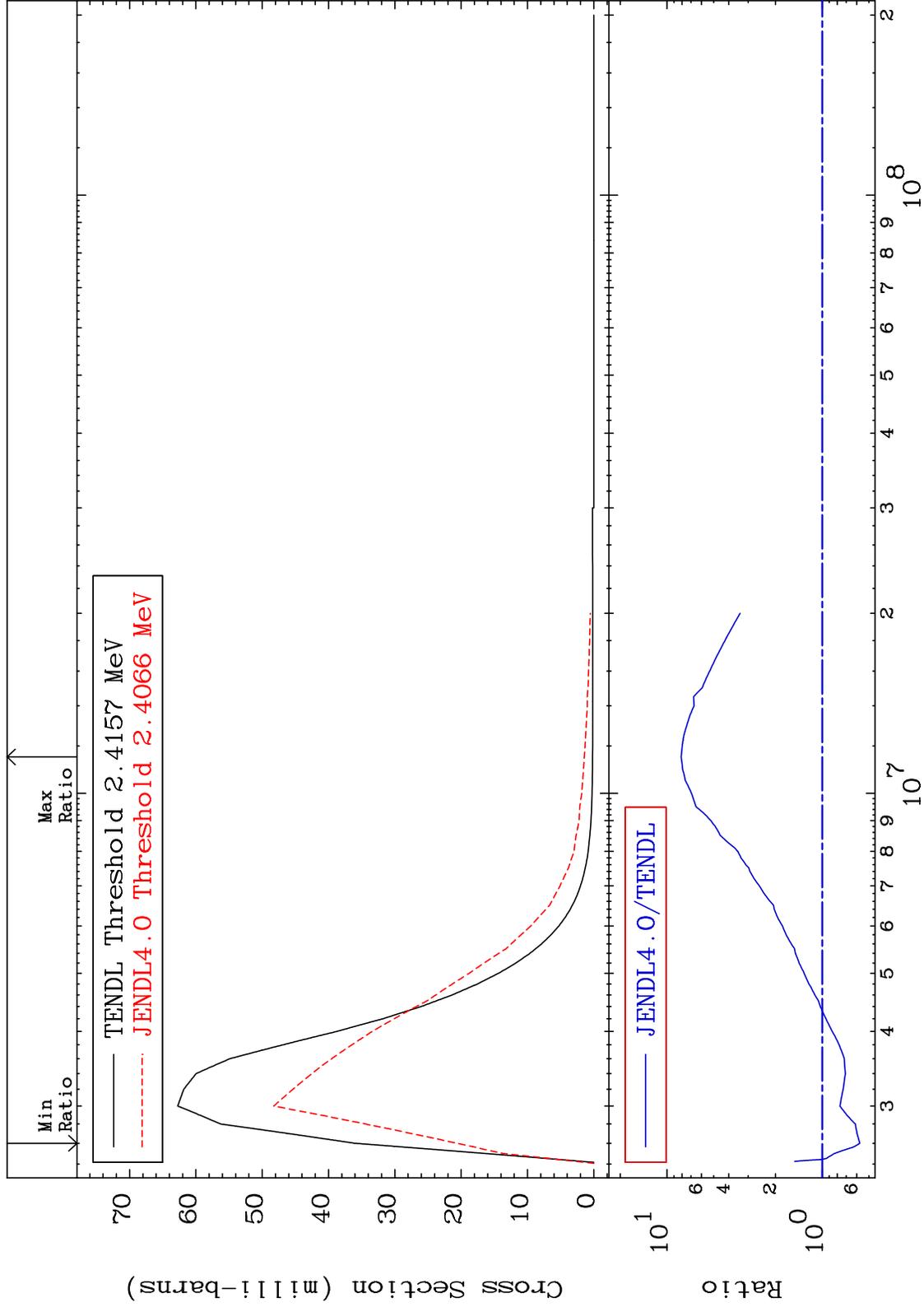
37-Rb-87
-58.91 To 1402. %



MAT 3731

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

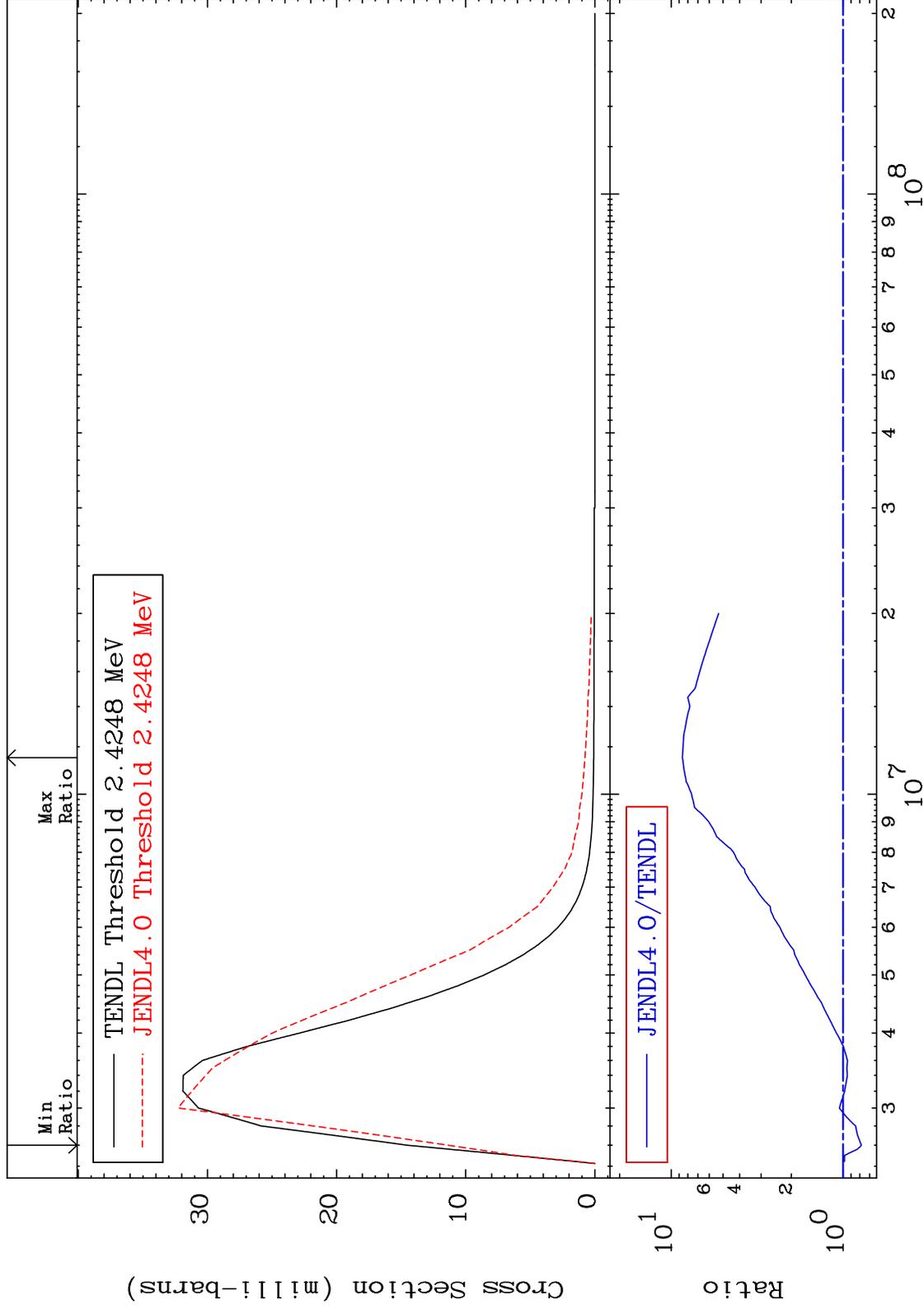
37-Rb-87
-42.75 To 709.0 %



MAT 3731

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

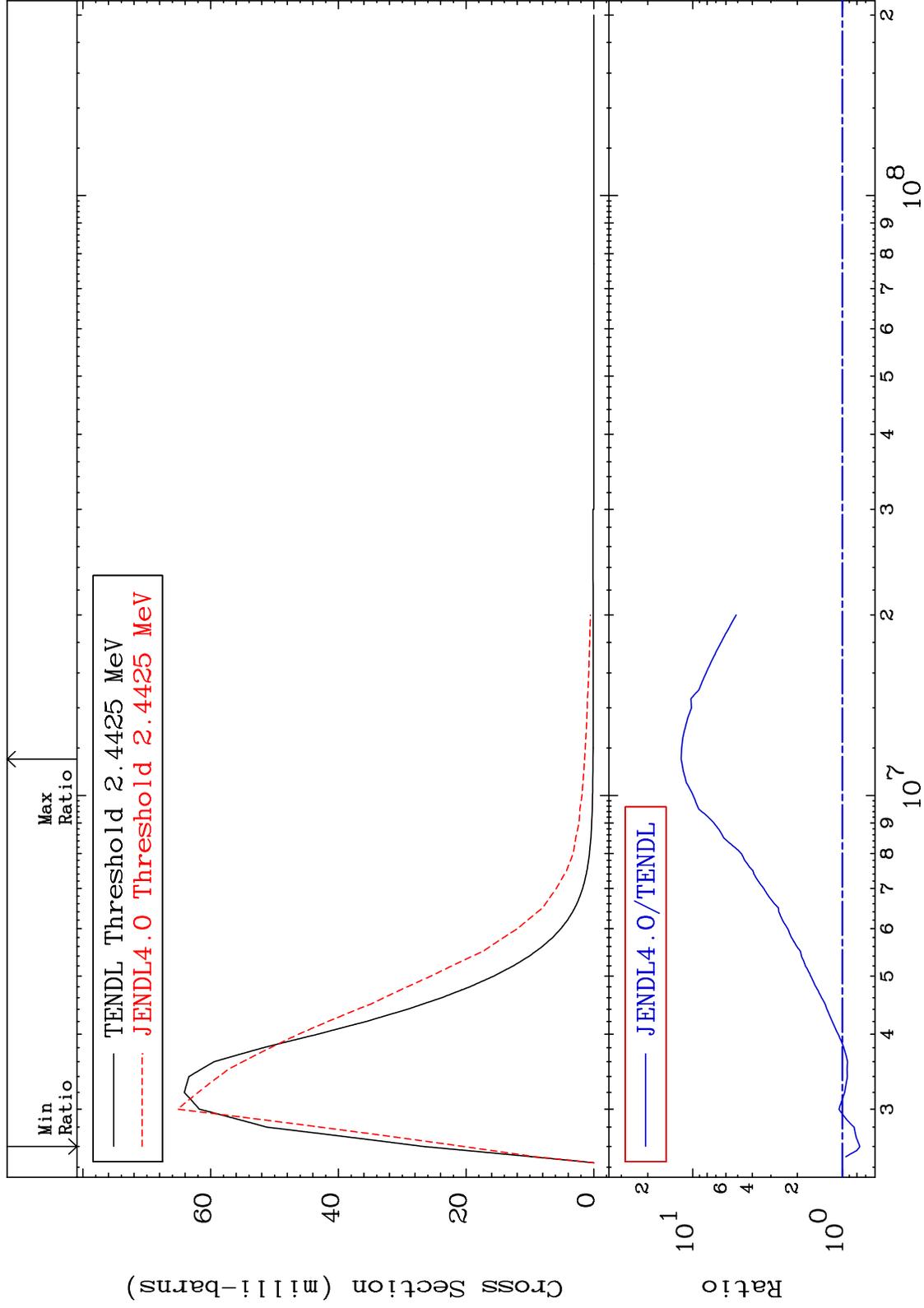
37-Rb-87
-21.72 To 760.9 %

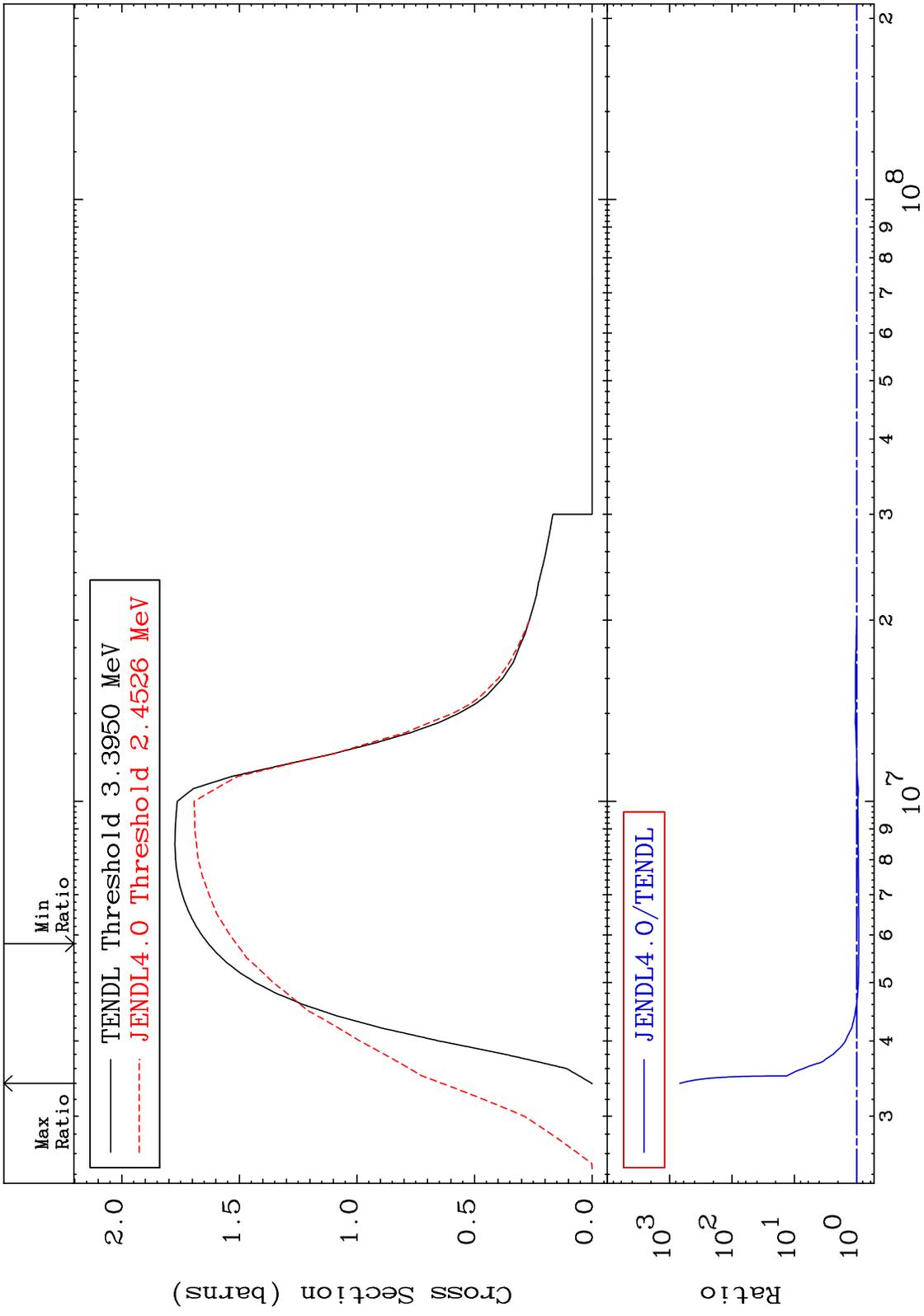


MAT 3731

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

37-Rb-87
-23.49 To 1094. %





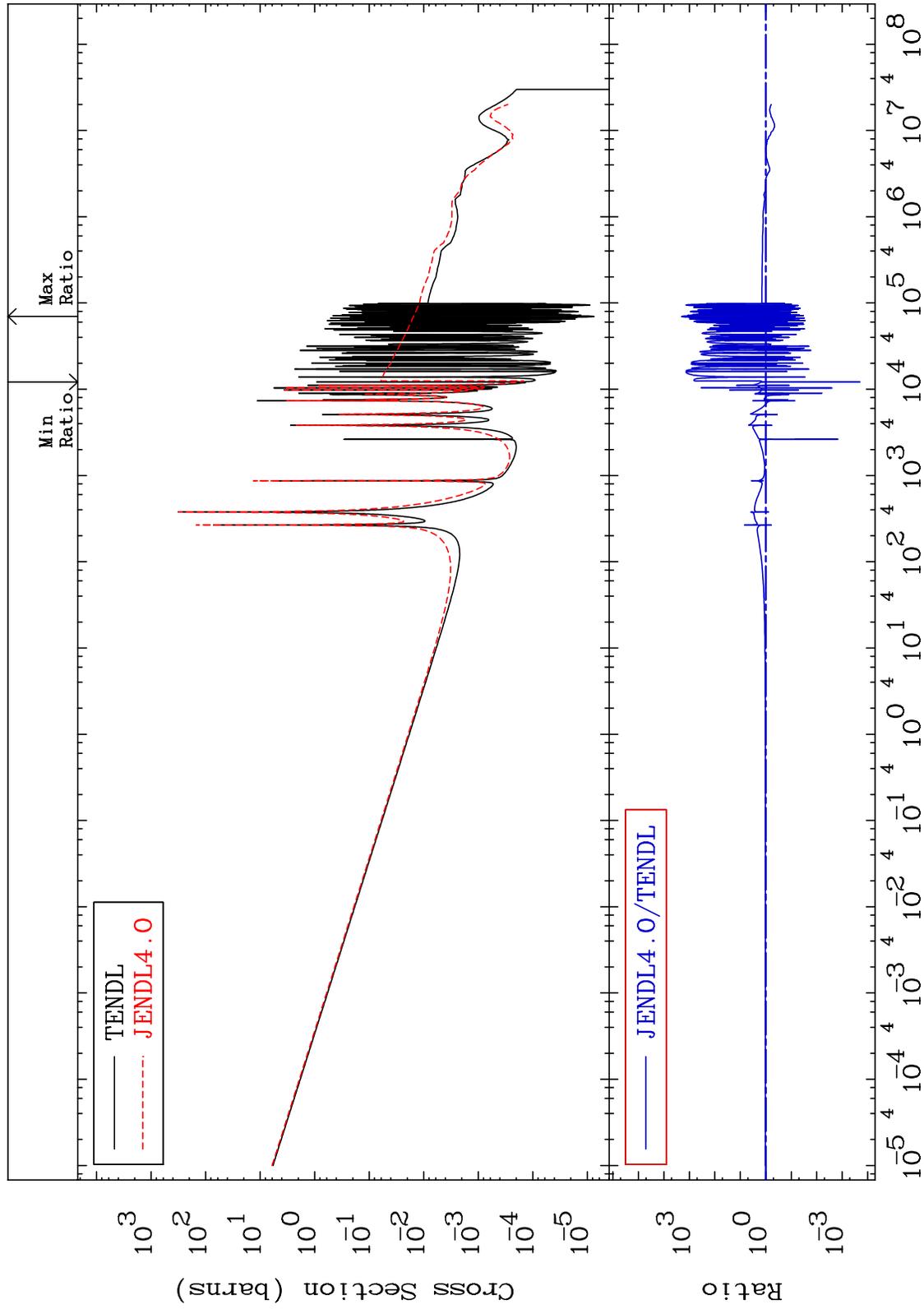
MAT 3731

(n, γ)

37-Rb-87

Cross Section

-99.98 To 9999. %



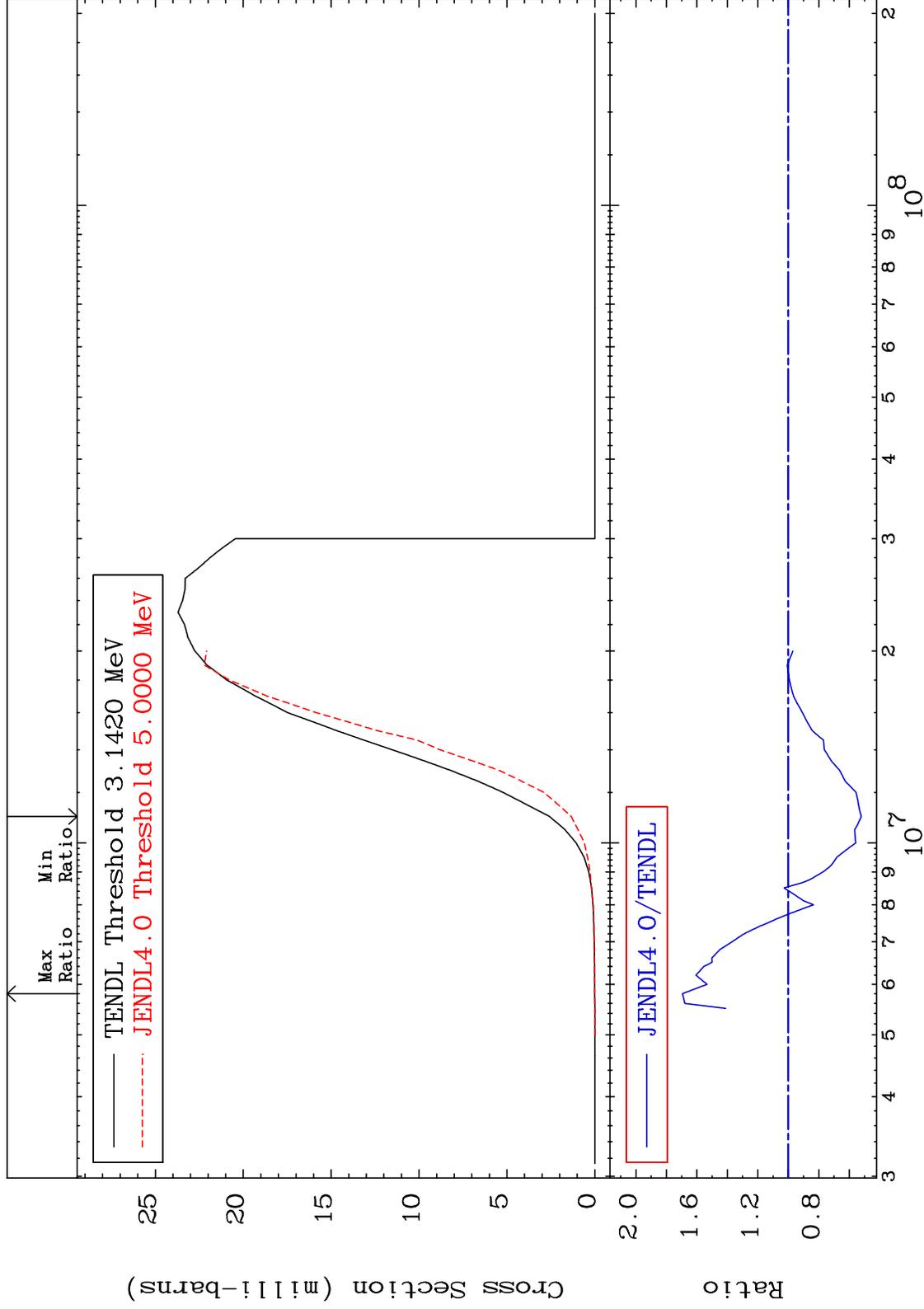
MAT 3731

(n,p)

37-Rb-87

Cross Section

-47.93 To 69.49 %



26

Incident Energy (eV)

37-Rb-87

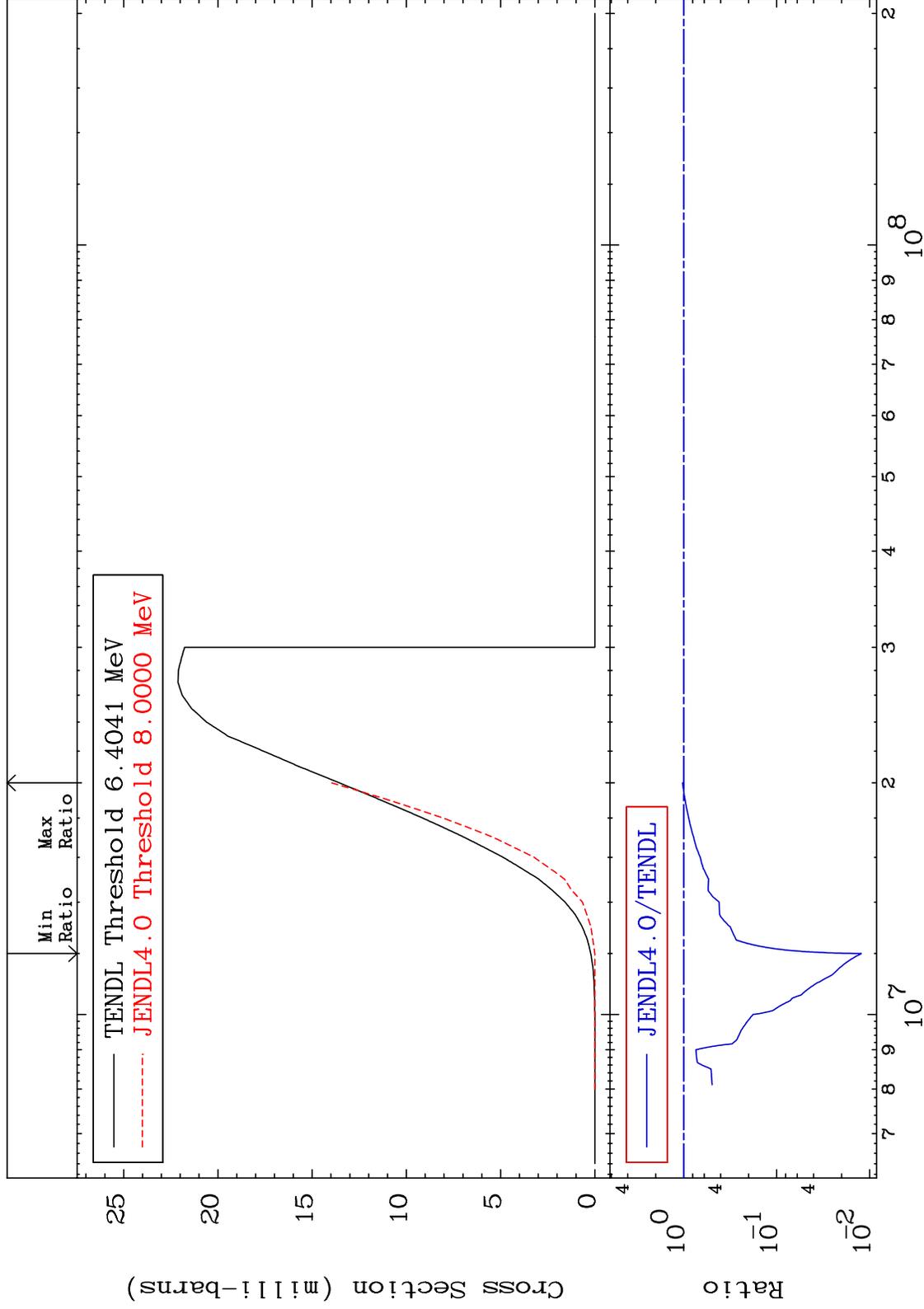
MAT 3731

(n,d)

37-Rb-87

Cross Section

-98.78 To 2.960 %



27

37-Rb-87

37-Rb-87

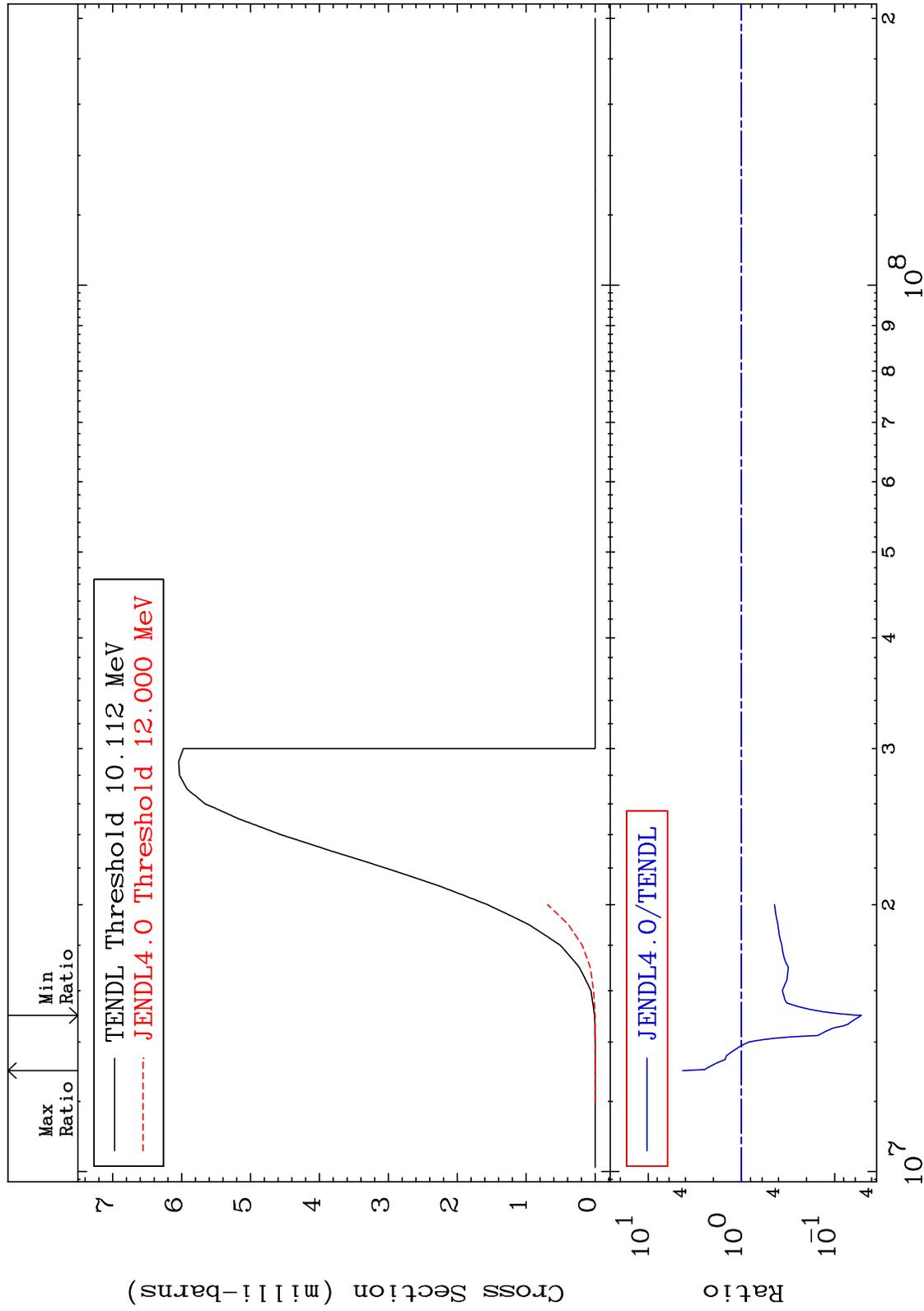
MAT 3731

(n,t)

37-Rb-87

Cross Section

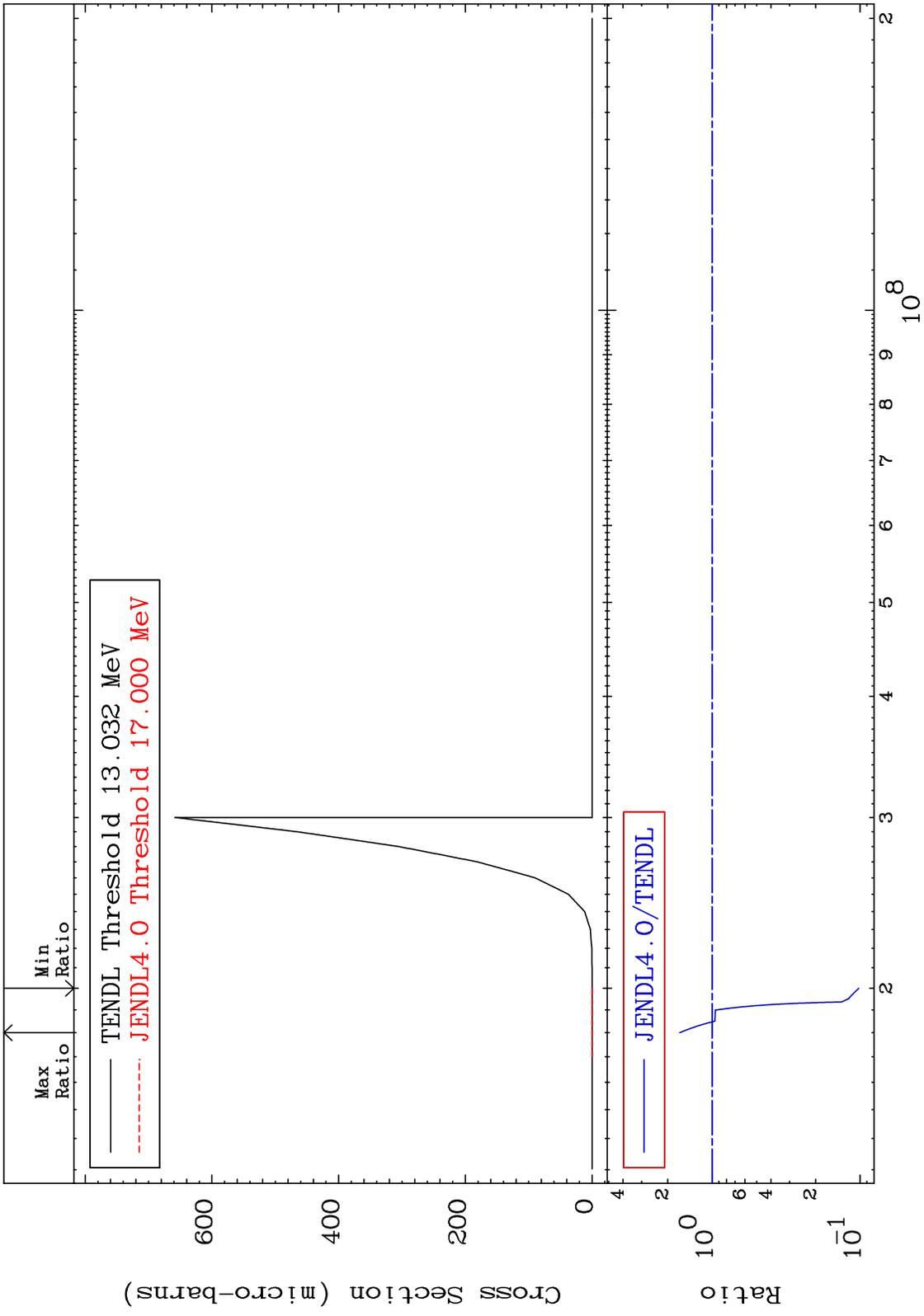
-94.84 To 327.4 %



28

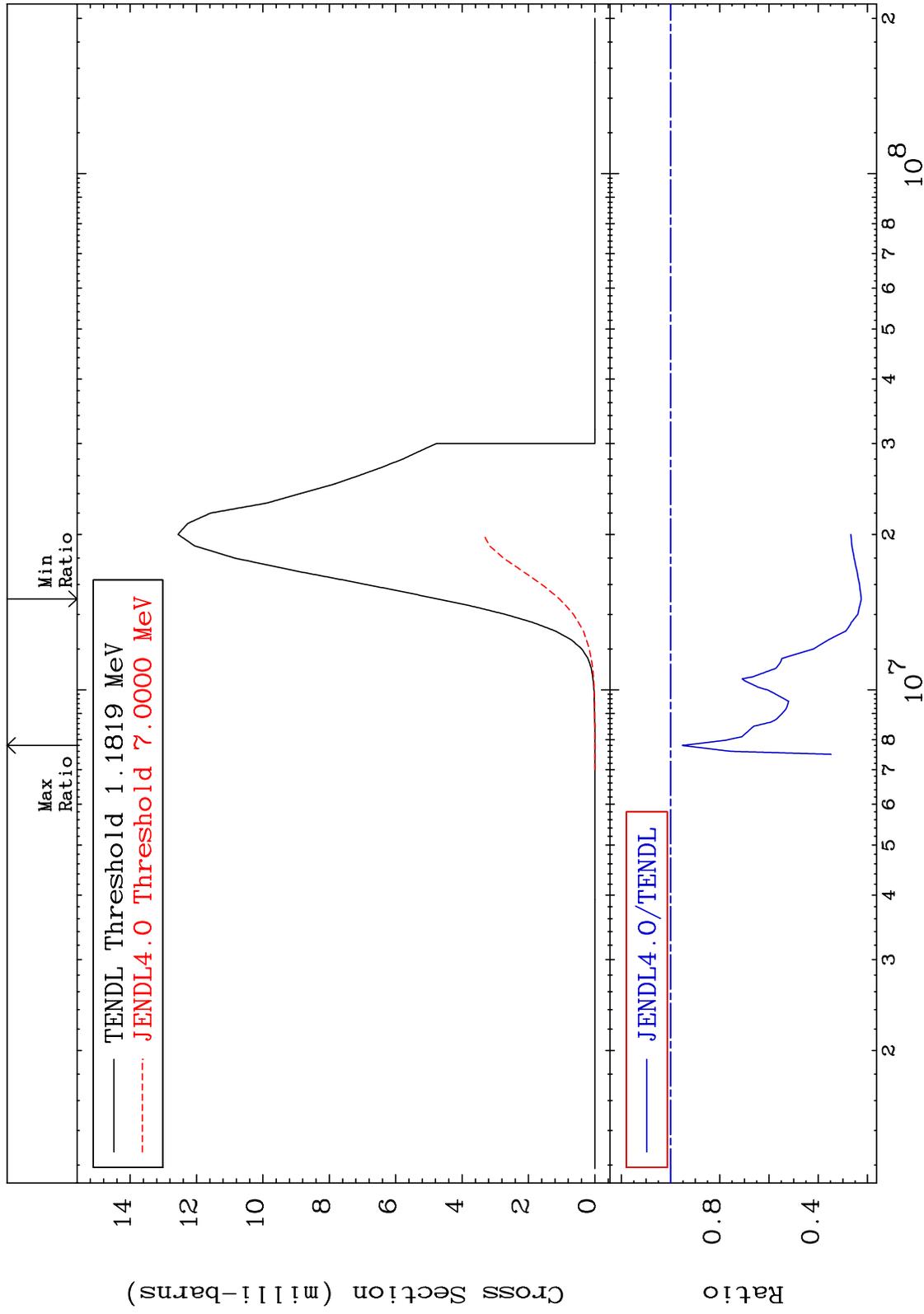
Incident Energy (eV)

37-Rb-87



MAT 3731

(n, α) Cross Section
37-Rb-87
-77.53 To -4.803%



30

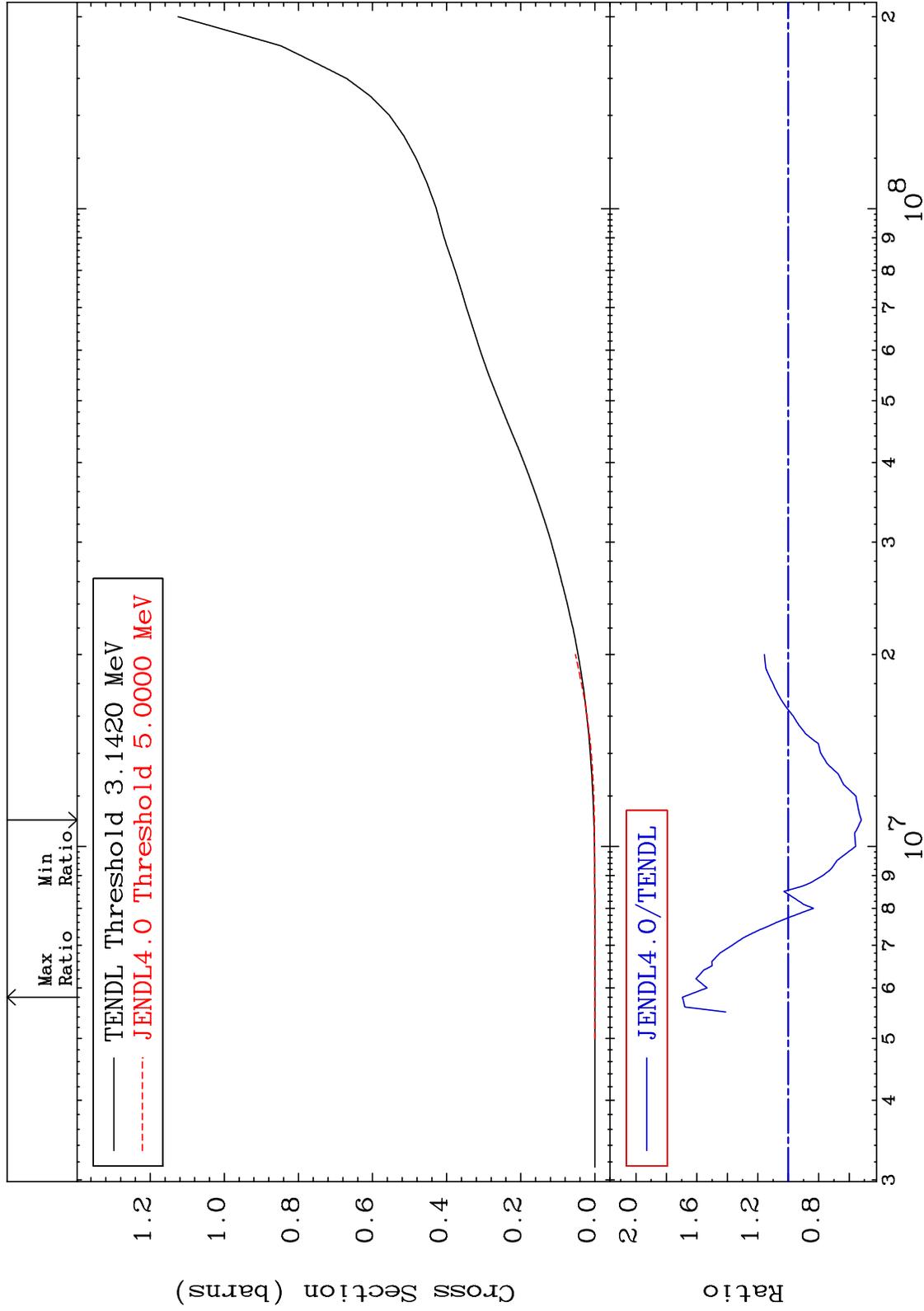
Incident Energy (eV)

37-Rb-87

MAT 3731

Hydrogen Production
Cross Section

37-Rb-87
-47.97 To 69.49 %



31

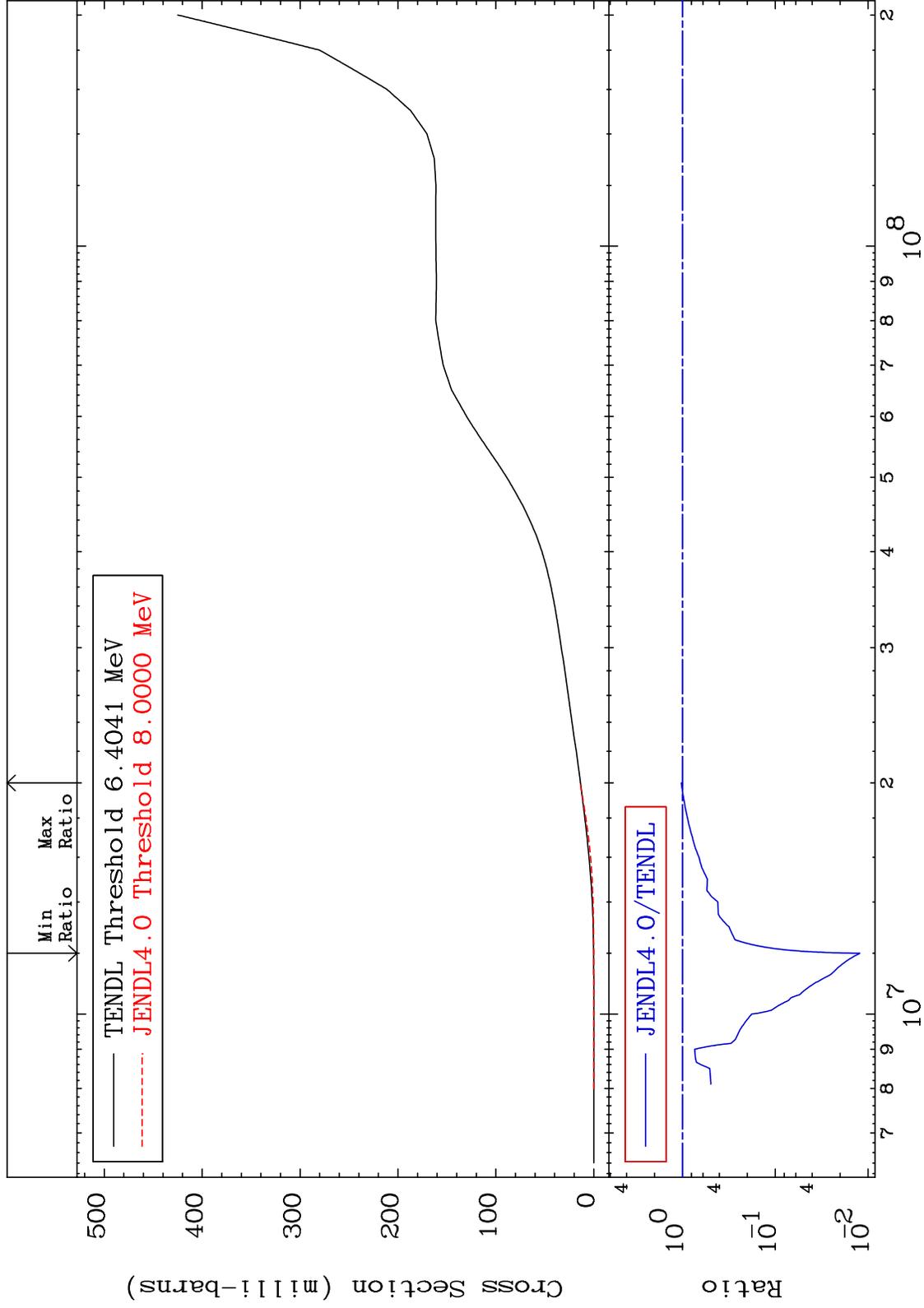
Incident Energy (eV)

37-Rb-87

MAT 3731

Deuterium Production
Cross Section

37-Rb-87
-98.78 To 2.995 %



32

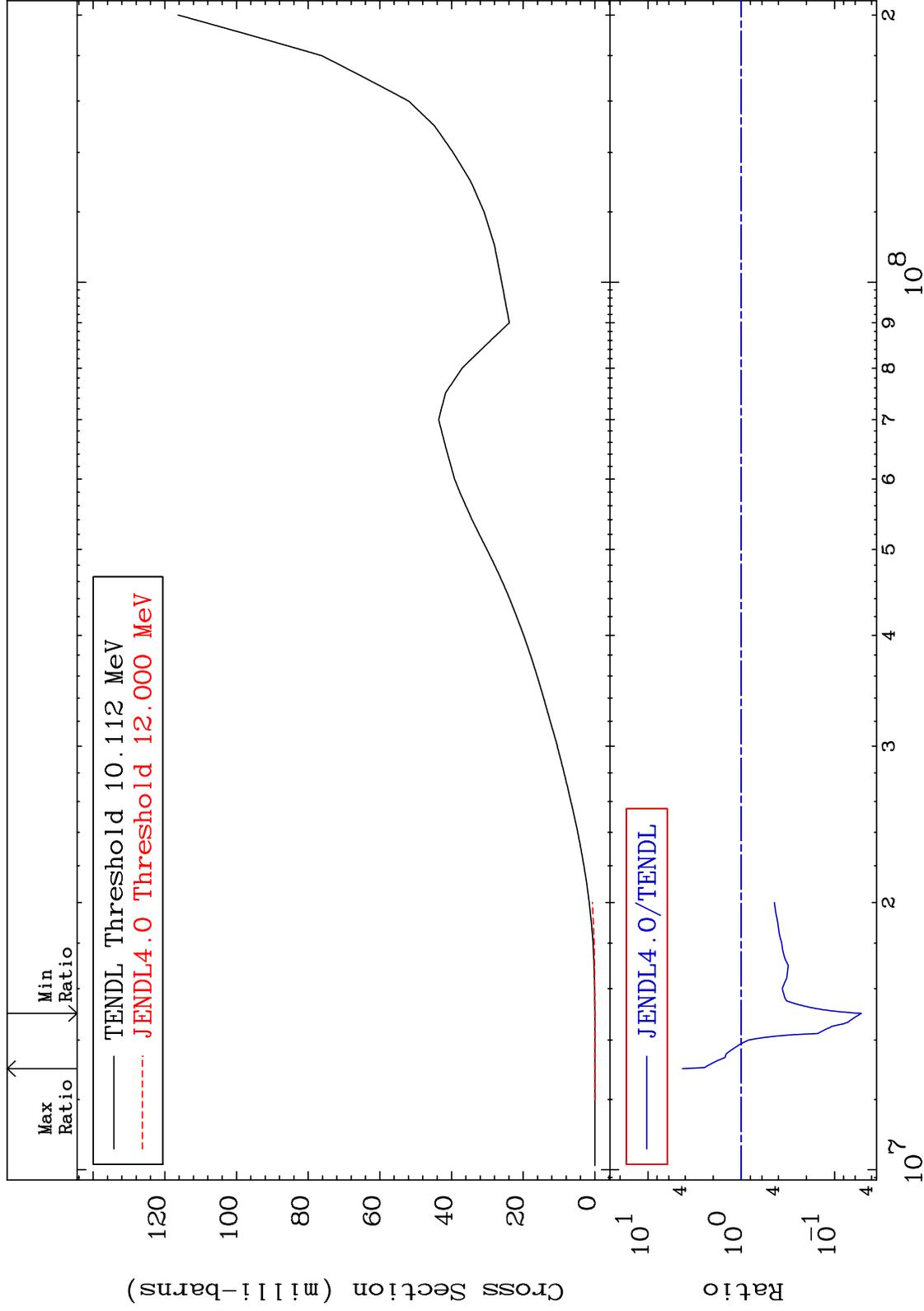
Incident Energy (eV)

37-Rb-87

MAT 3731

Tritium Production
Cross Section

³⁷Rb-87
-94.84 To 327.4 %



33

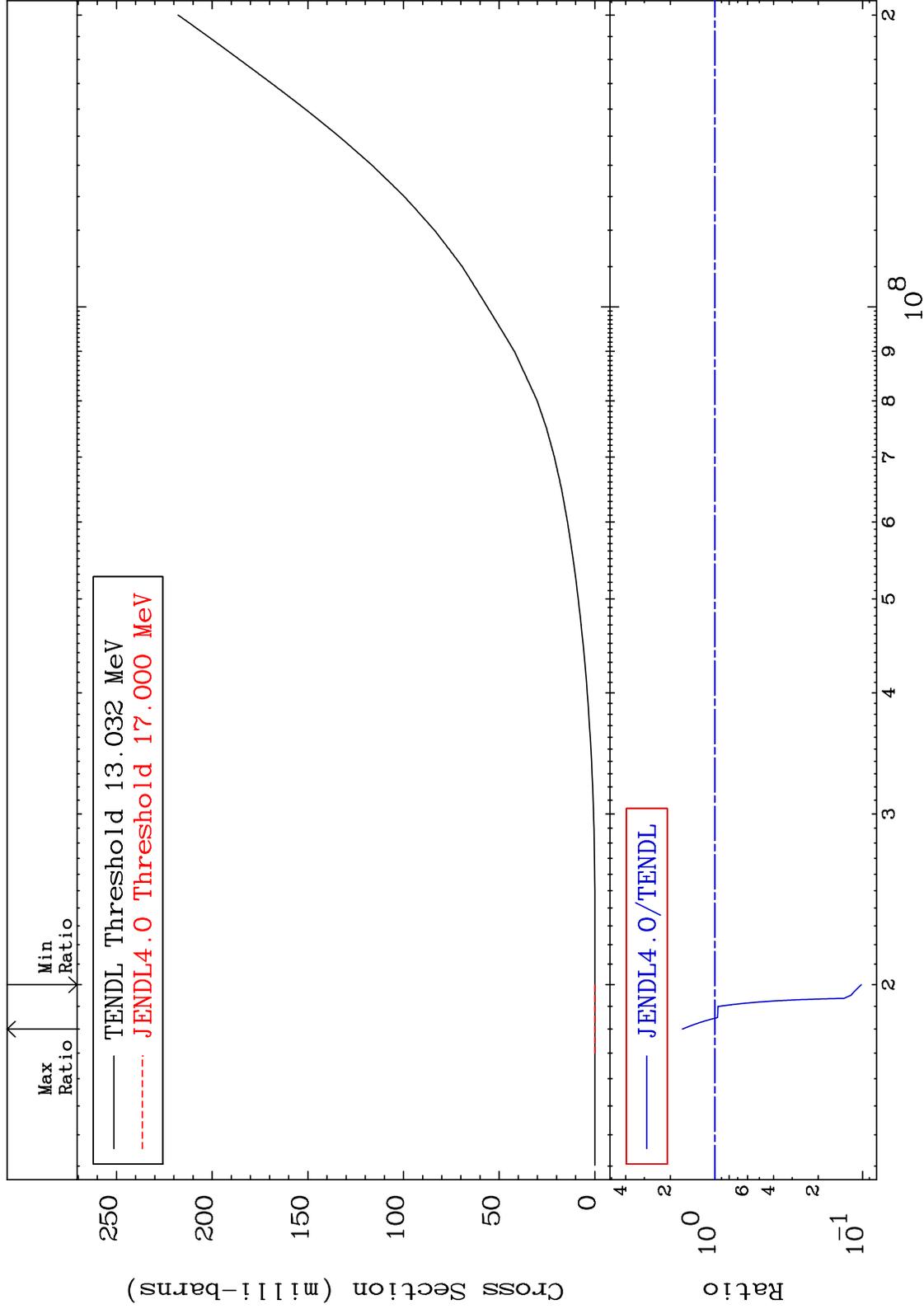
Incident Energy (eV)

³⁷Rb-87

MAT 3731

He-3 Production
Cross Section

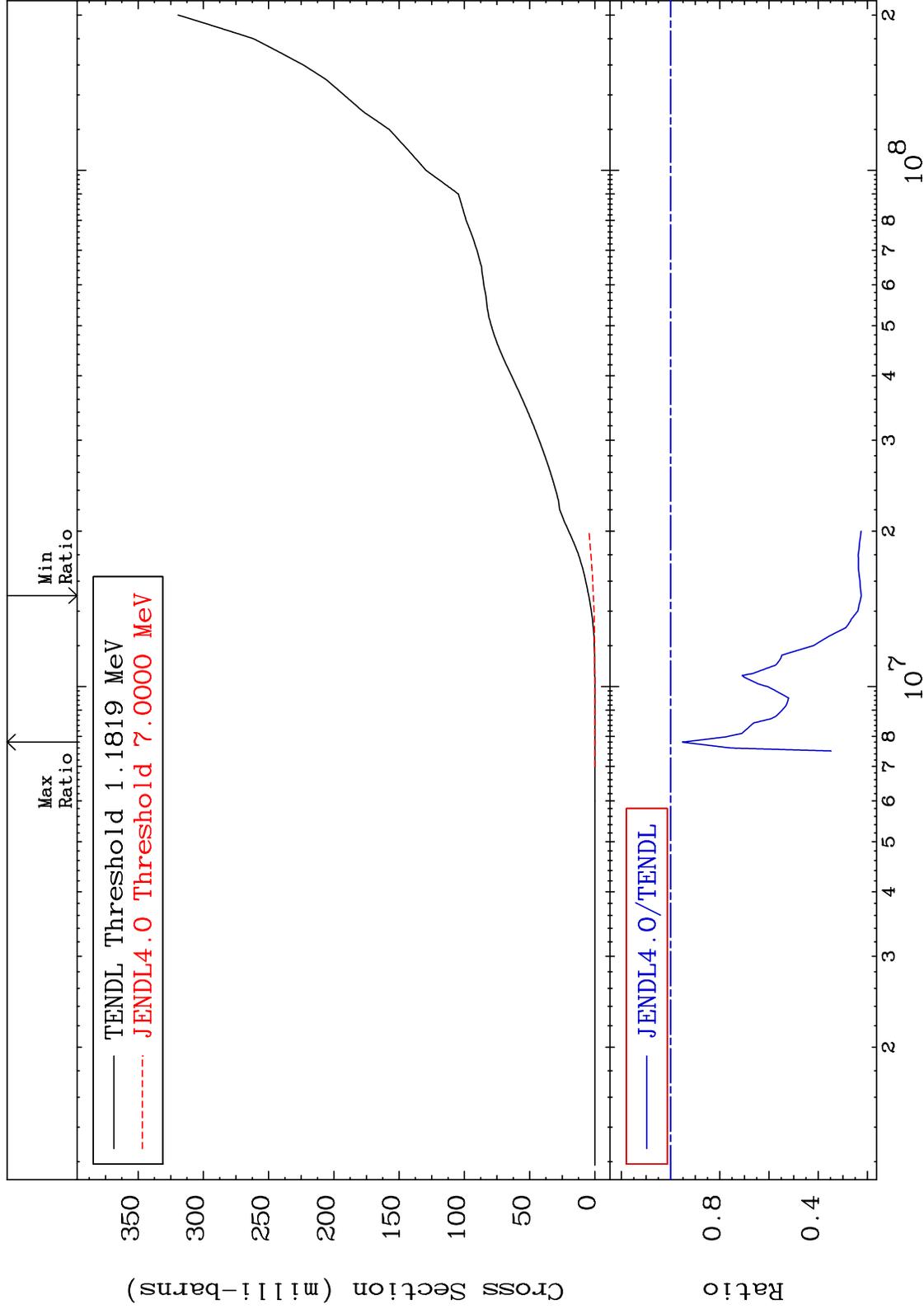
37-Rb-87
-89.79 To 65.44 %



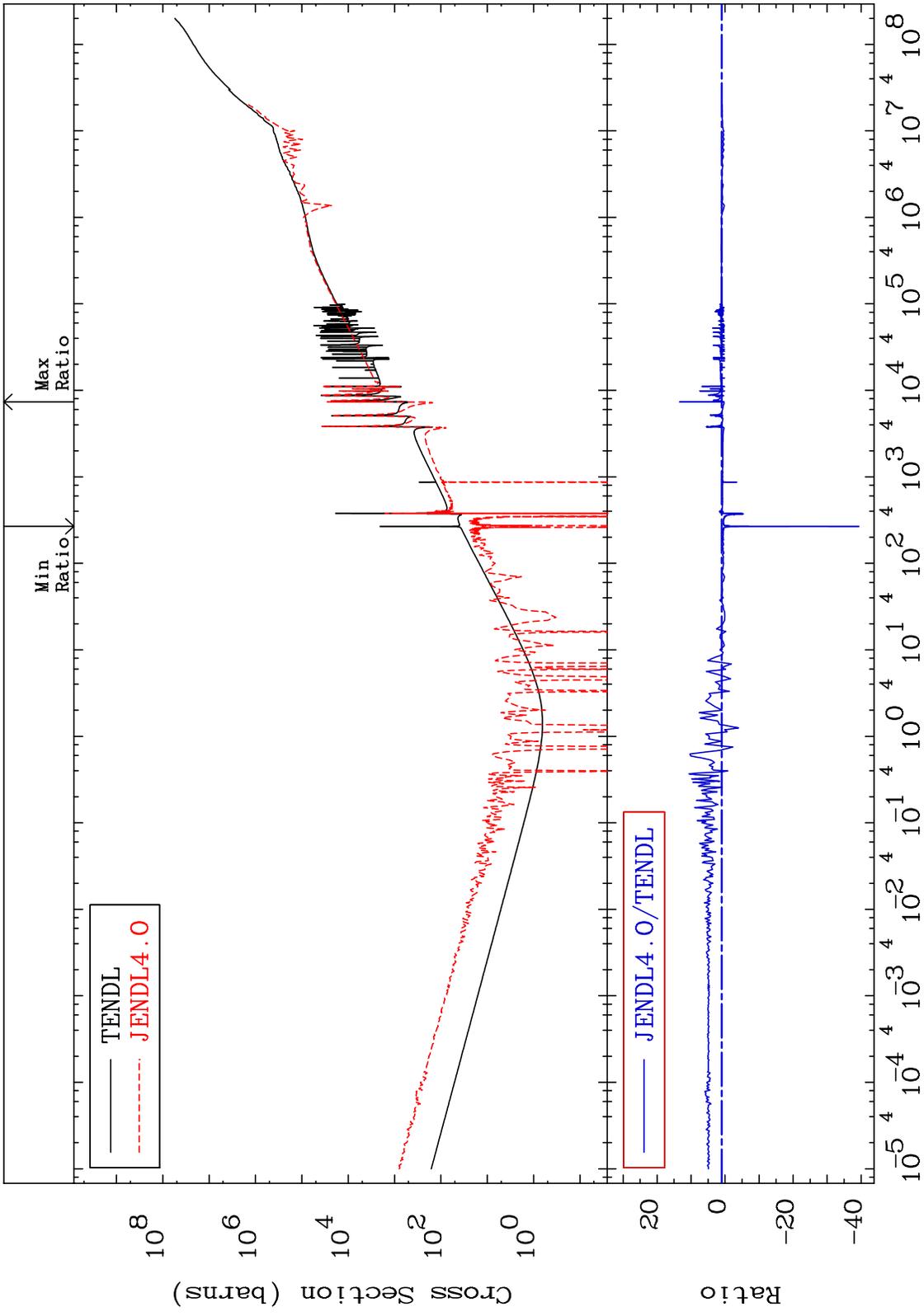
MAT 3731

He-4 Production
Cross Section

37-Rb-87
-77.53 To -4.803%



MAT 3731 Kerma total (eV-barns) 37-Rb-87
 Cross Section -4034. To 1233. %

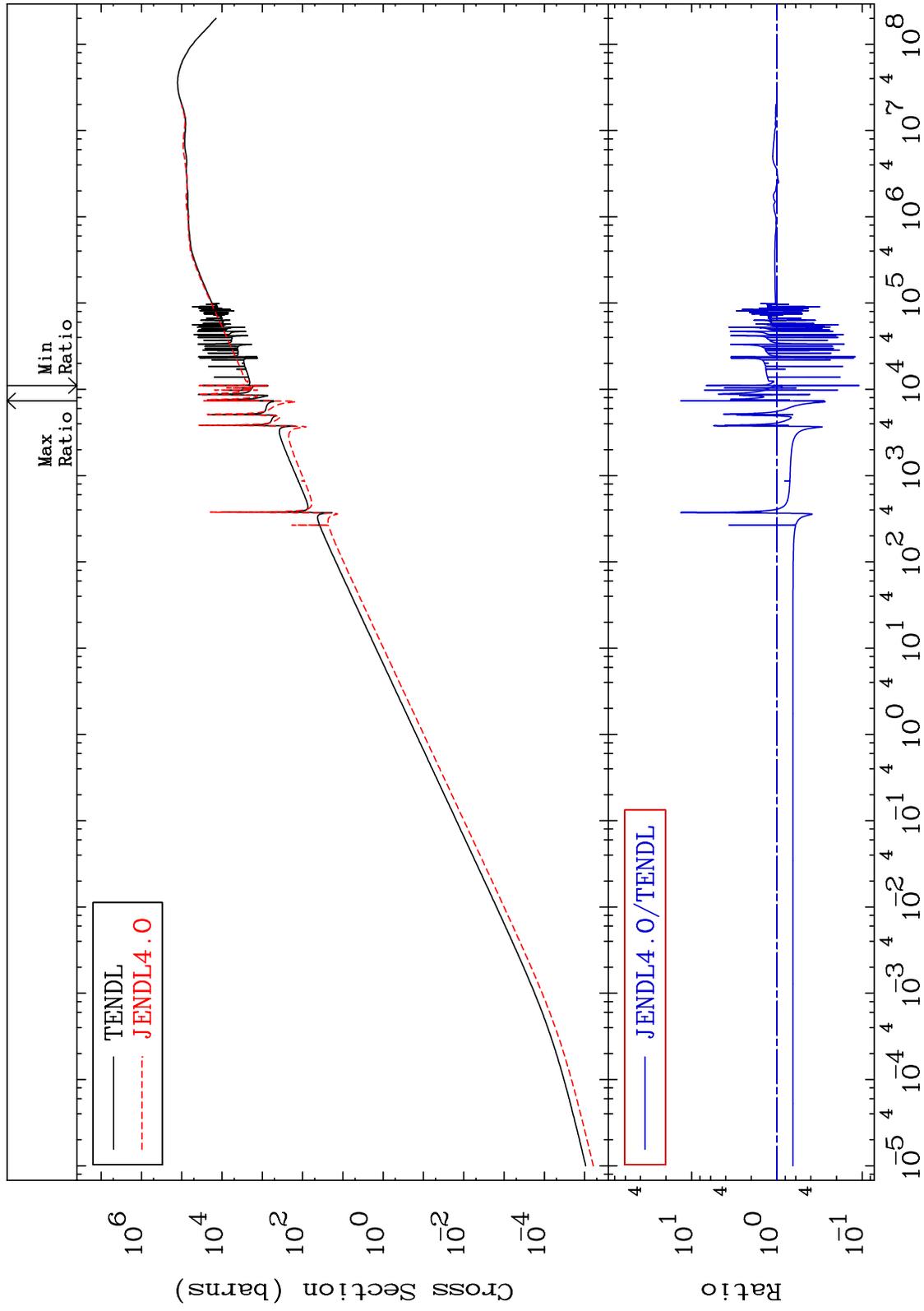


36 37-Rb-87

MAT 3731

Kerma elastic
Cross Section

37-Rb-87
-89.12 To 1248. %

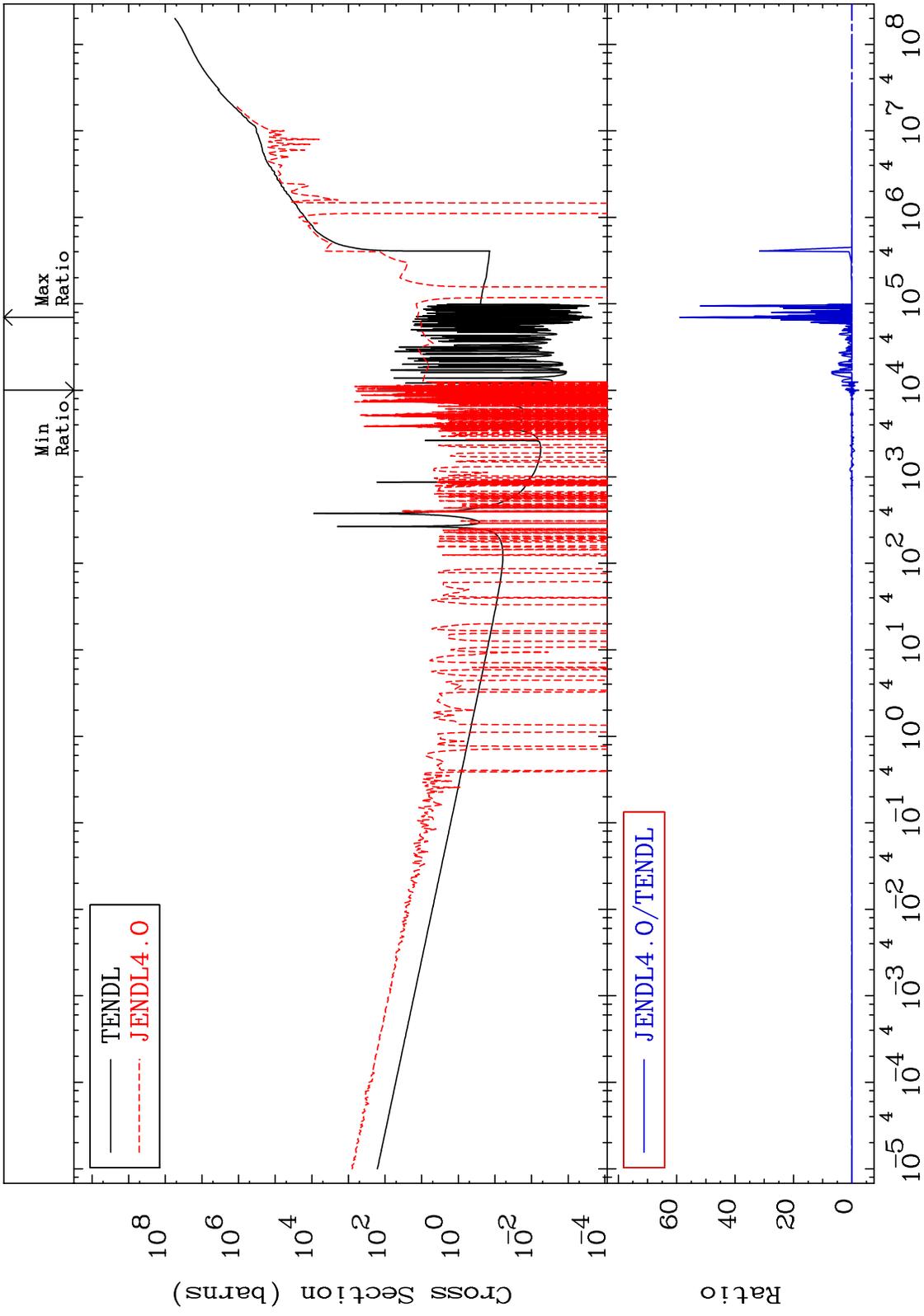


37

Incident Energy (eV)

37-Rb-87

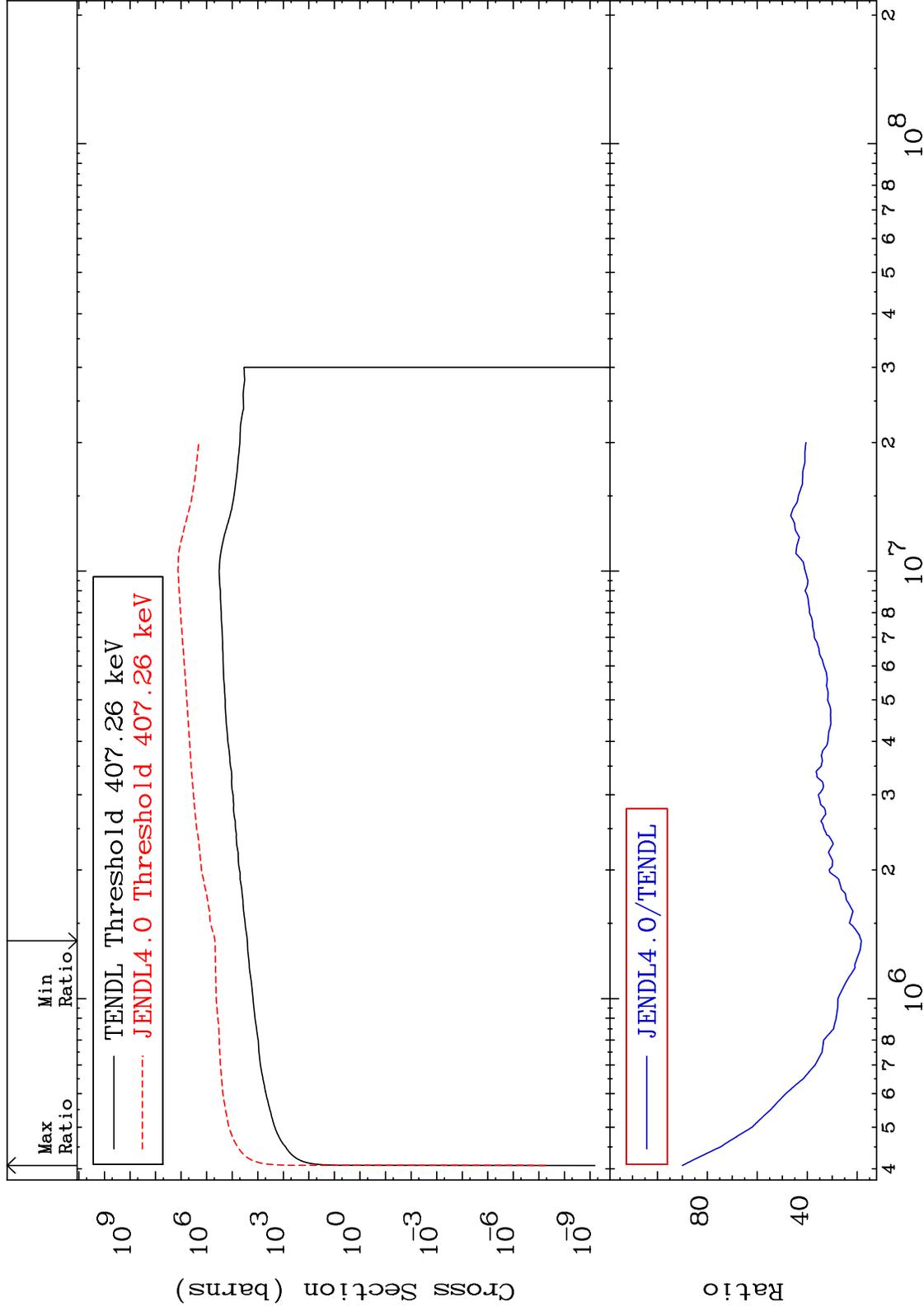
MAT 3731 Kerma non-elastic (all but mt2) 37-Rb-87
 Cross Section -9999. To 9999. %



MAT 3731

Kerma inelastic (mt51-91)
Cross Section

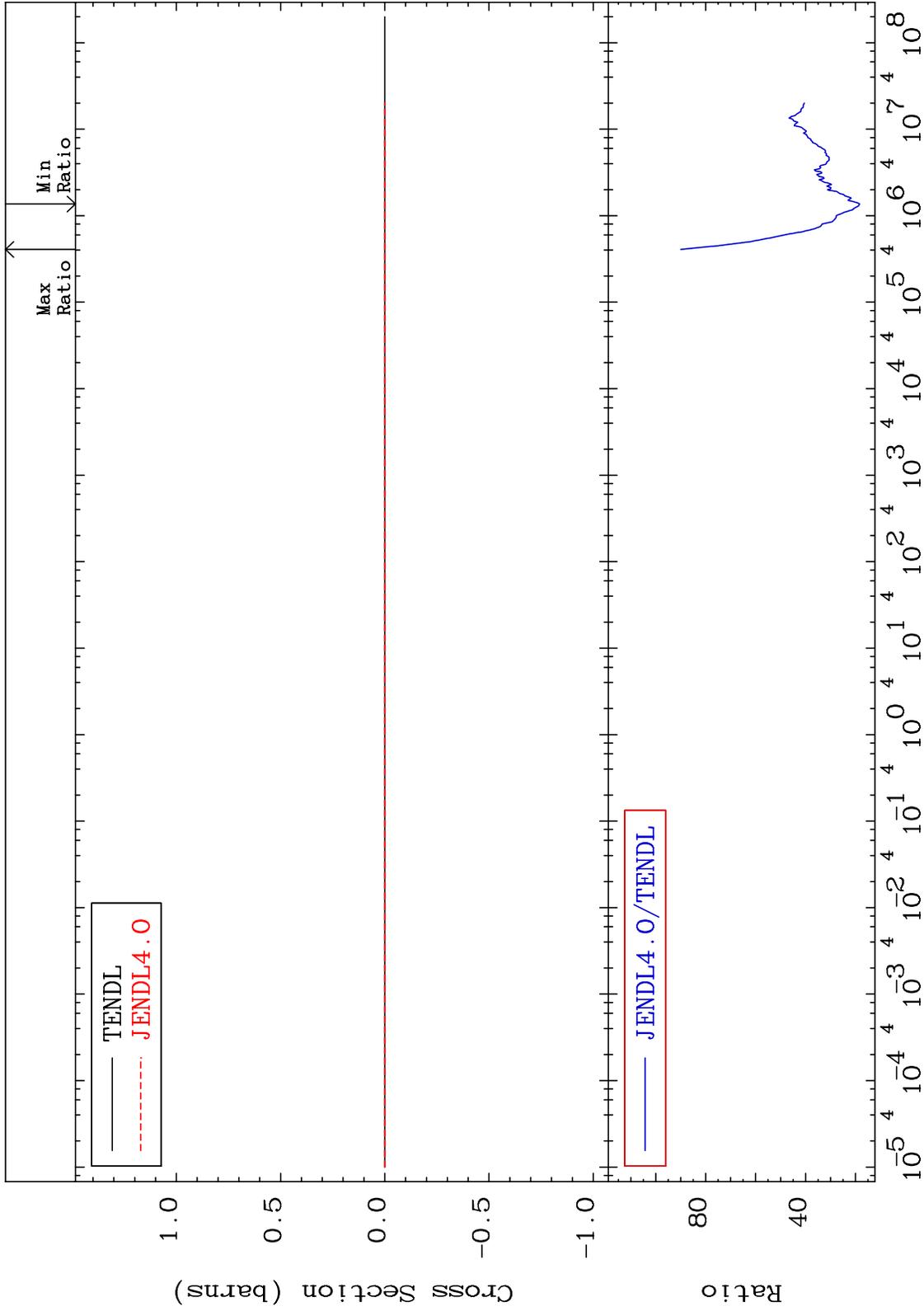
37-Rb-87
1731. To 8897. %



MAT 3731

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

37-Rb-87
1731. To 8897. %



40

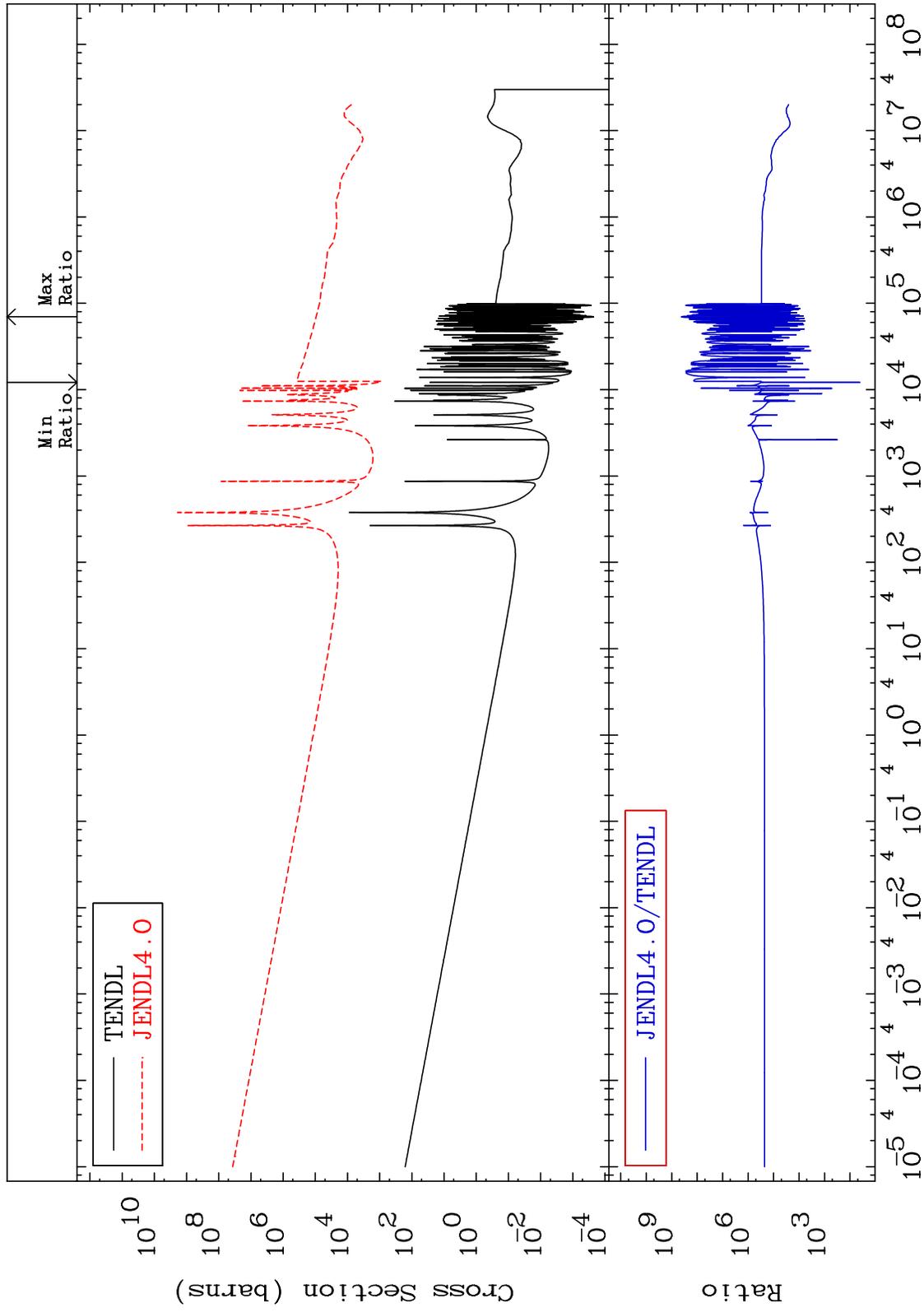
Incident Energy (eV)

37-Rb-87

MAT 3731

Kerma capture (mt102)
Cross Section

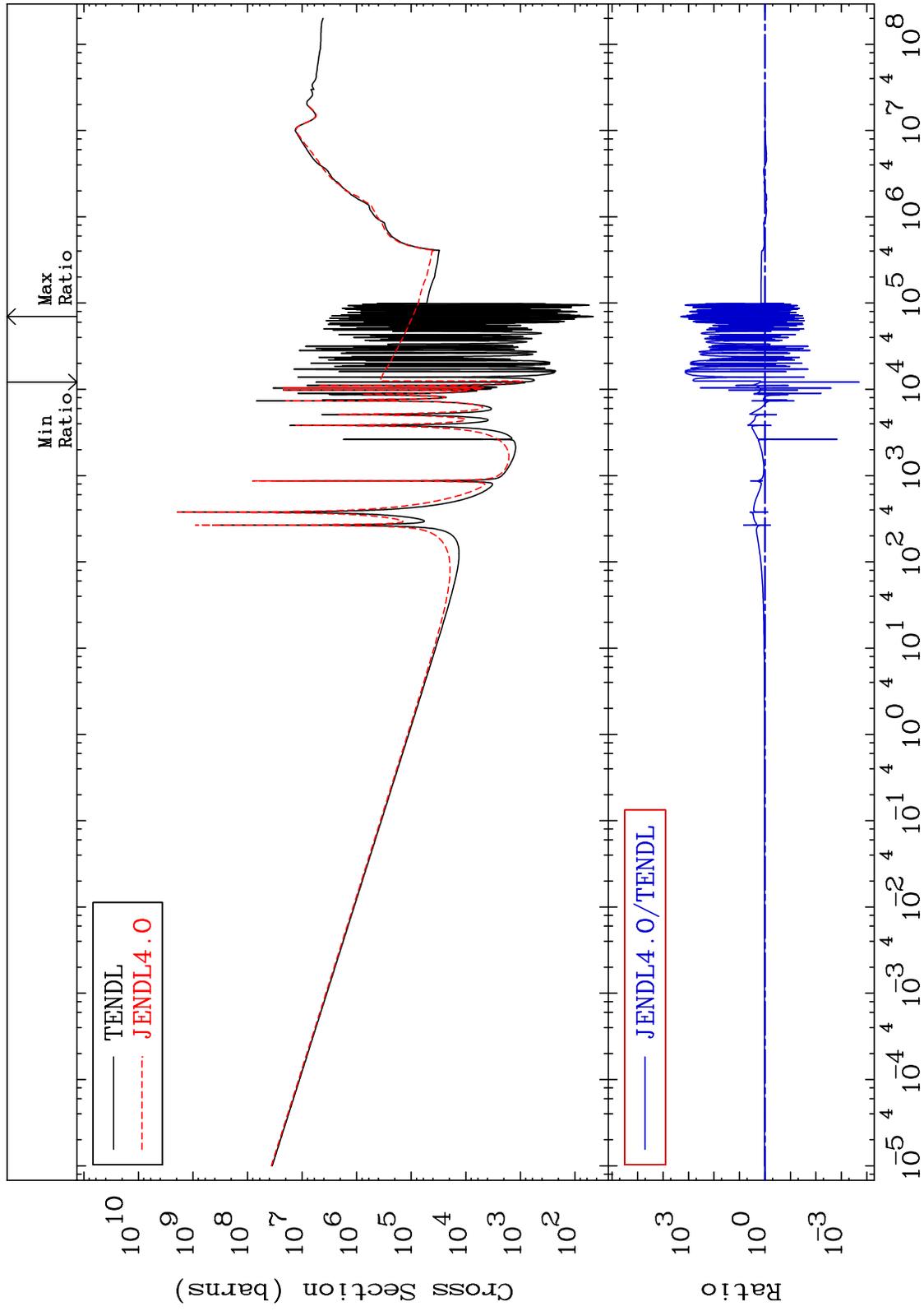
37-Rb-87
4036. To 9999. %



MAT 3731

Total photon (eV-barns)
Cross Section

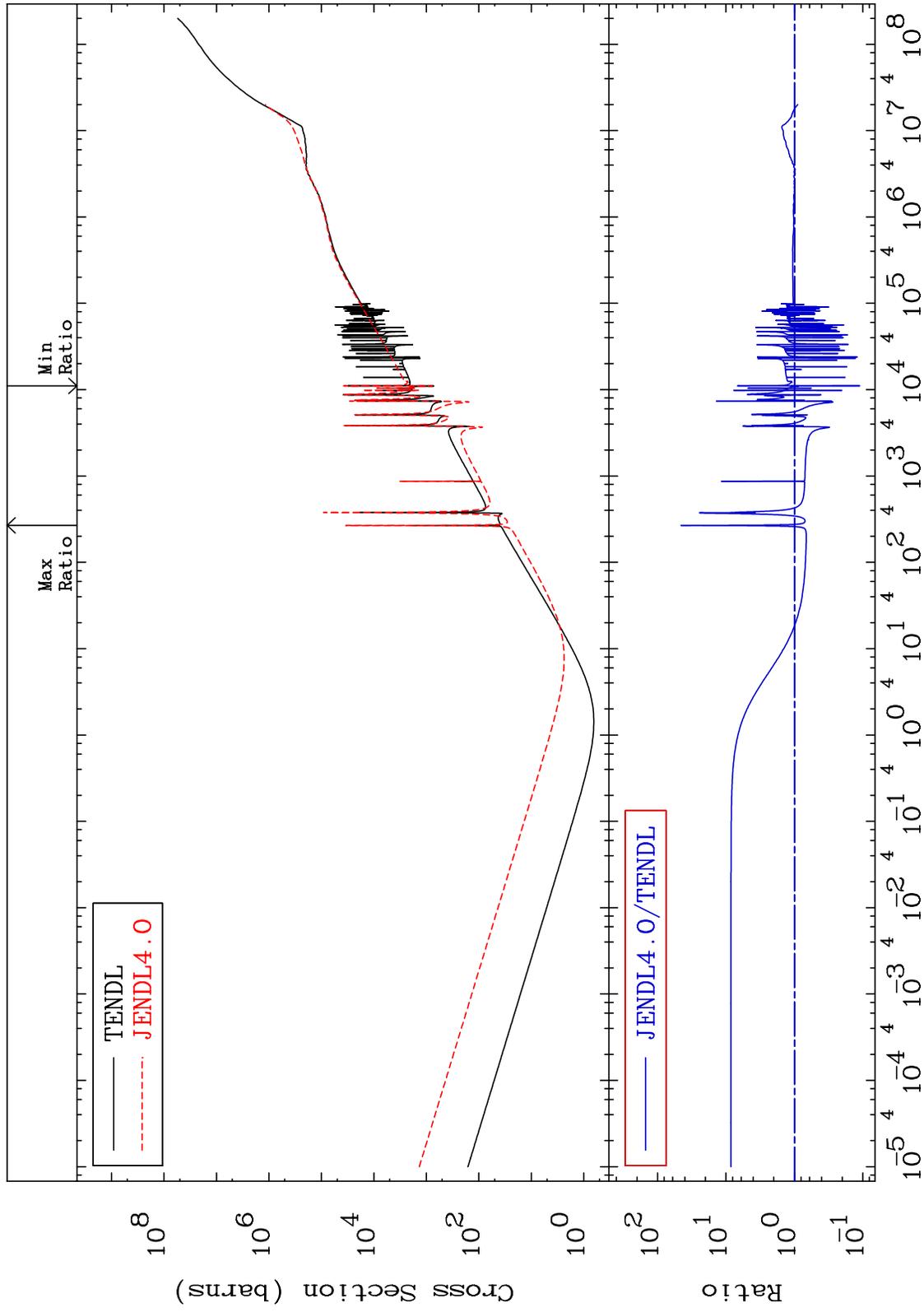
37-Rb-87
-99.98 To 9999. %



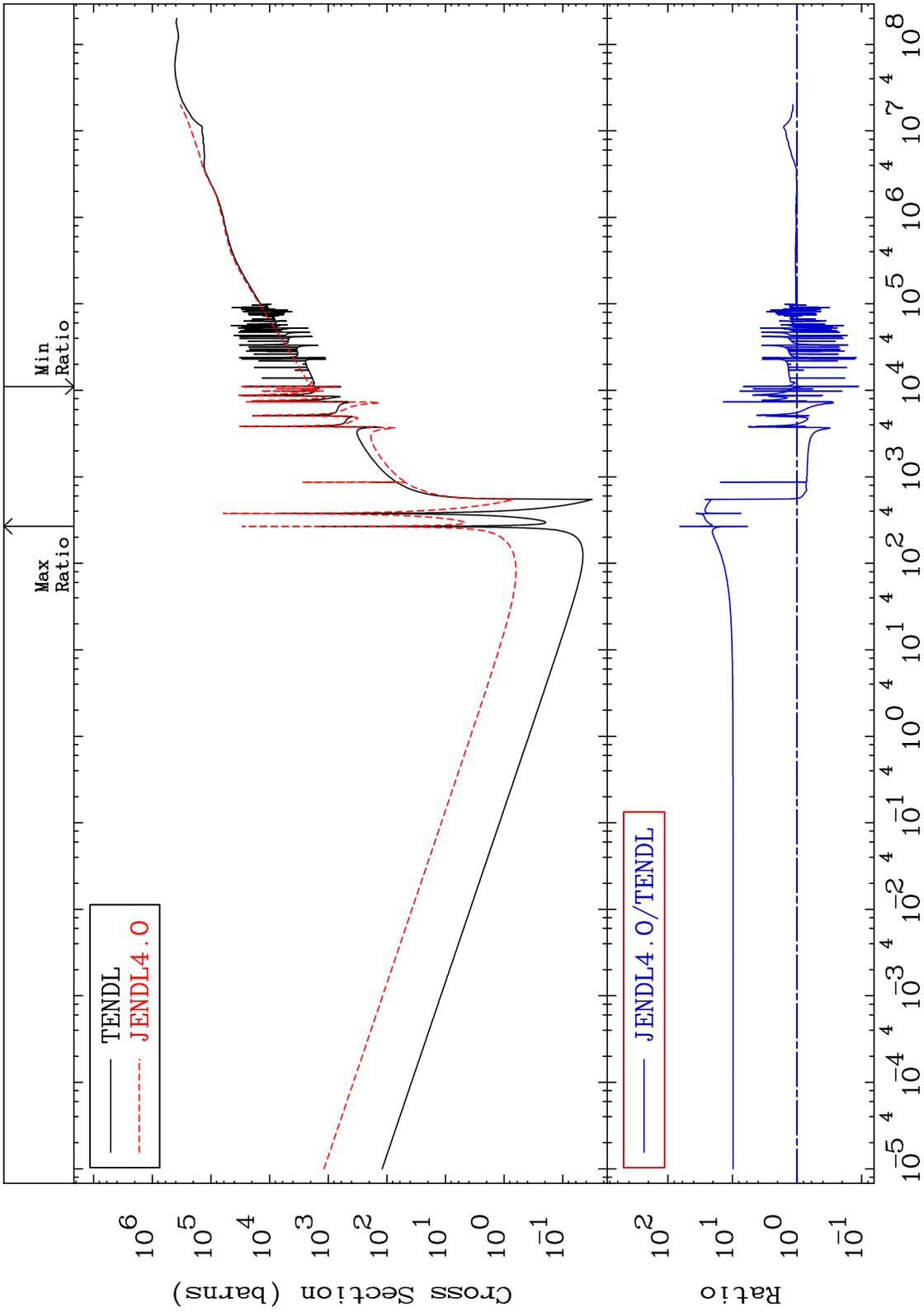
MAT 3731

Total kinematic kerma (high limit)
Cross Section

37-Rb-87
-88.93 To 4411. %



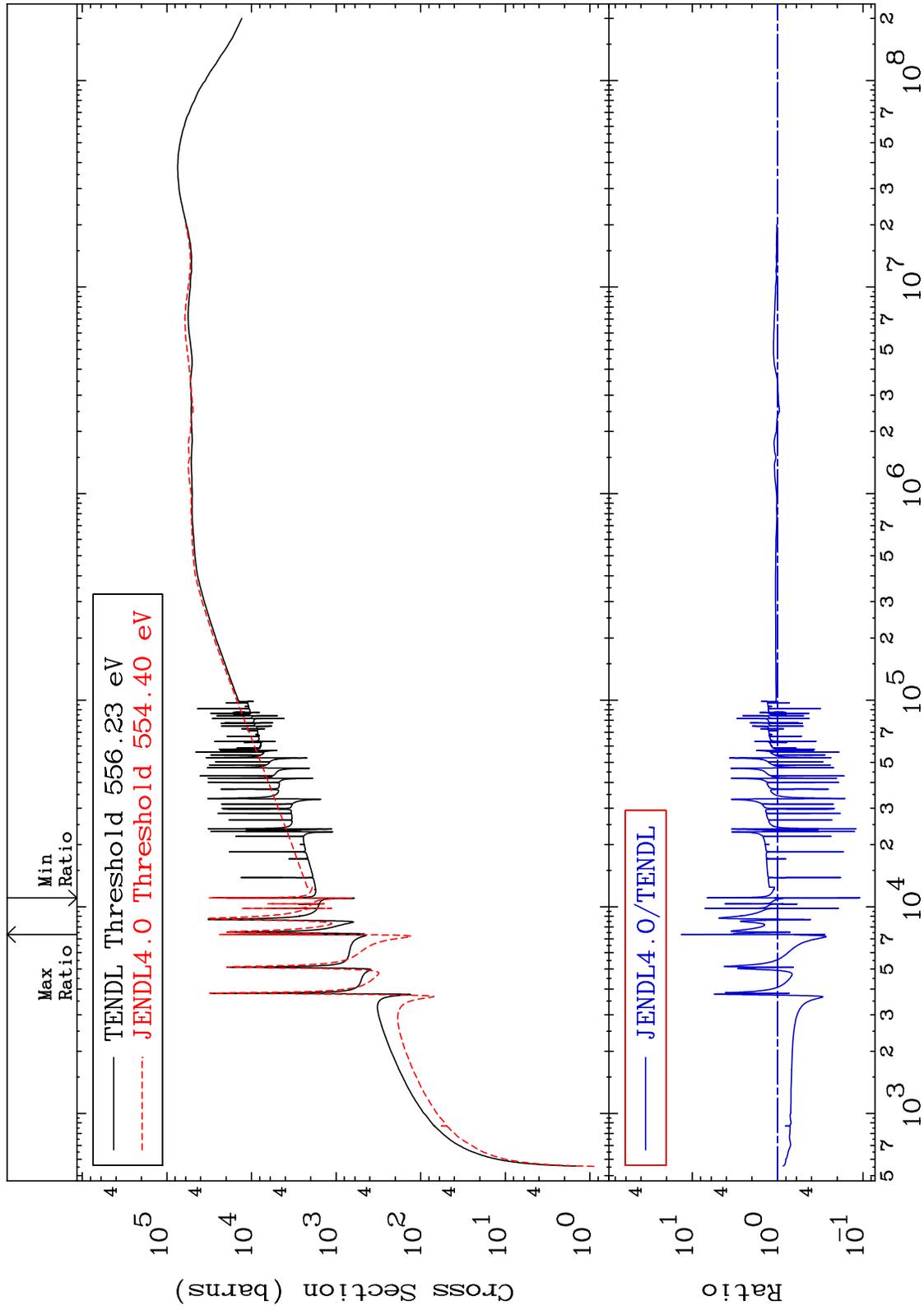
MAT 3731 Dpa total (eV-barns) 37-Rb-87
 Cross Section -88.93 To 6457. %



MAT 3731

Dpa elastic (mt2)
Cross Section

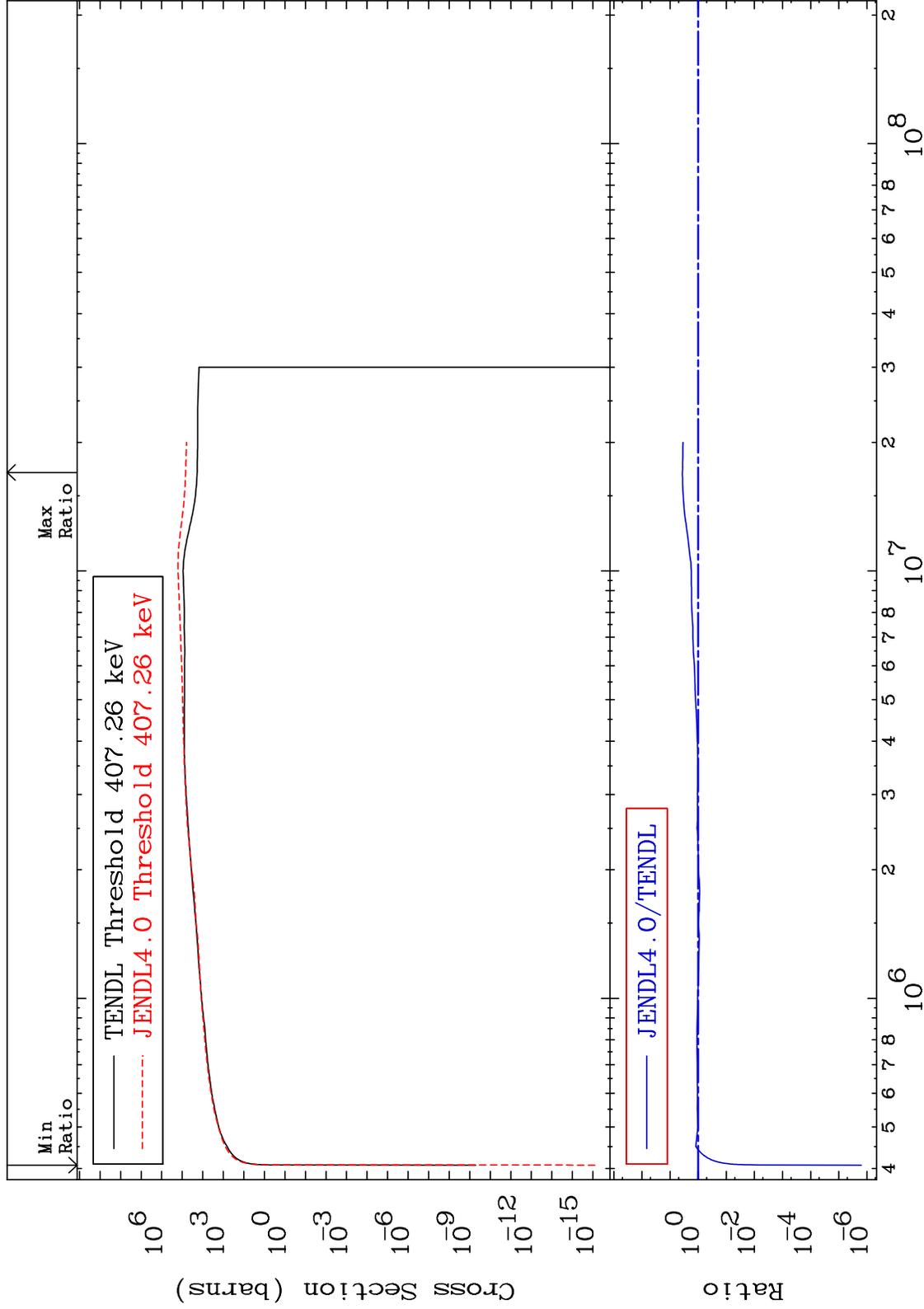
37-Rb-87
-89.12 To 1248. %



MAT 3731

Dpa inelastic (mt51-91)
Cross Section

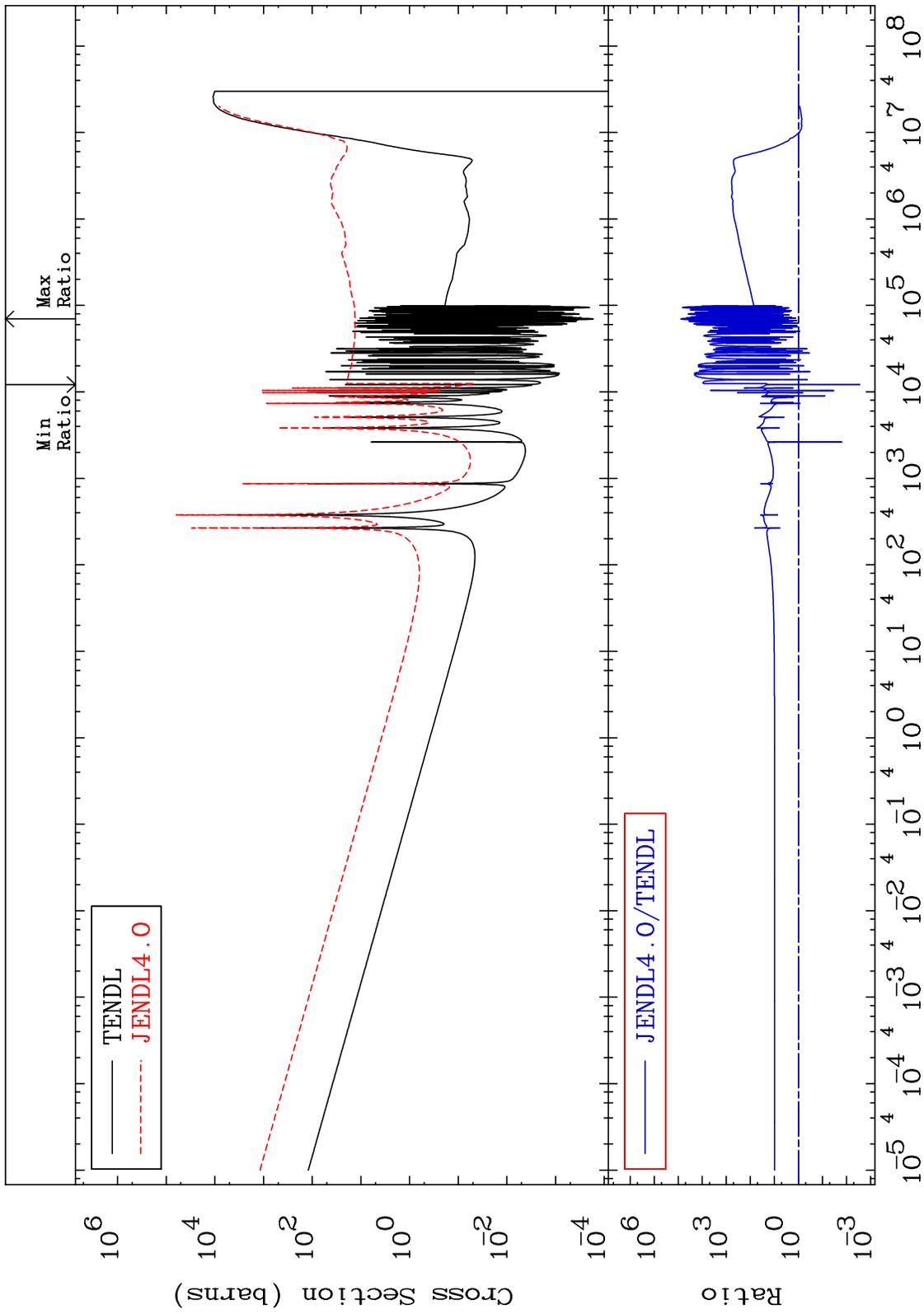
37-Rb-87
-100.0 To 264.1 %



MAT 3731

Dpa disappearance (mt102 -120)
Cross Section

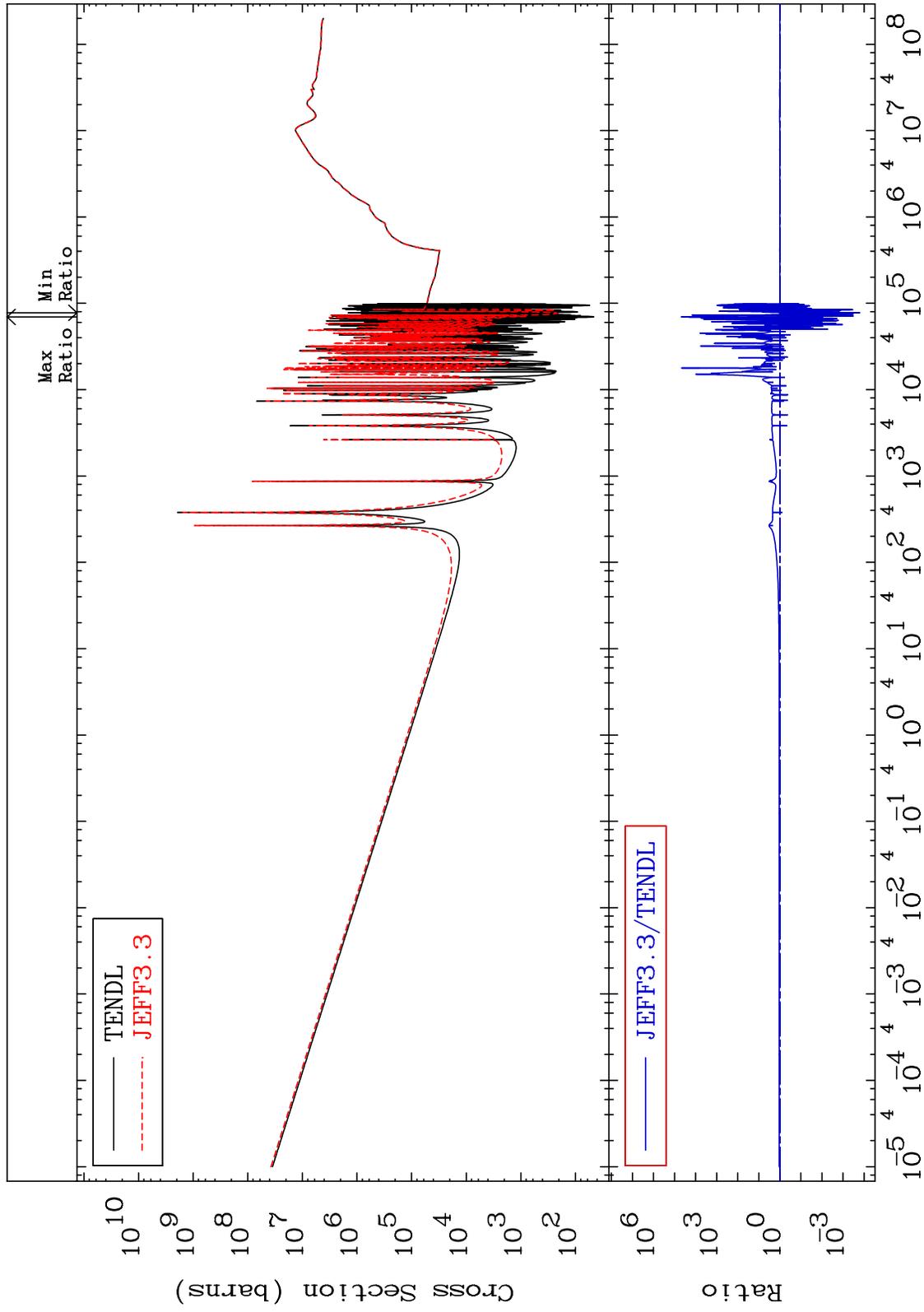
37-Rb-87
-99.72 To 9999. %



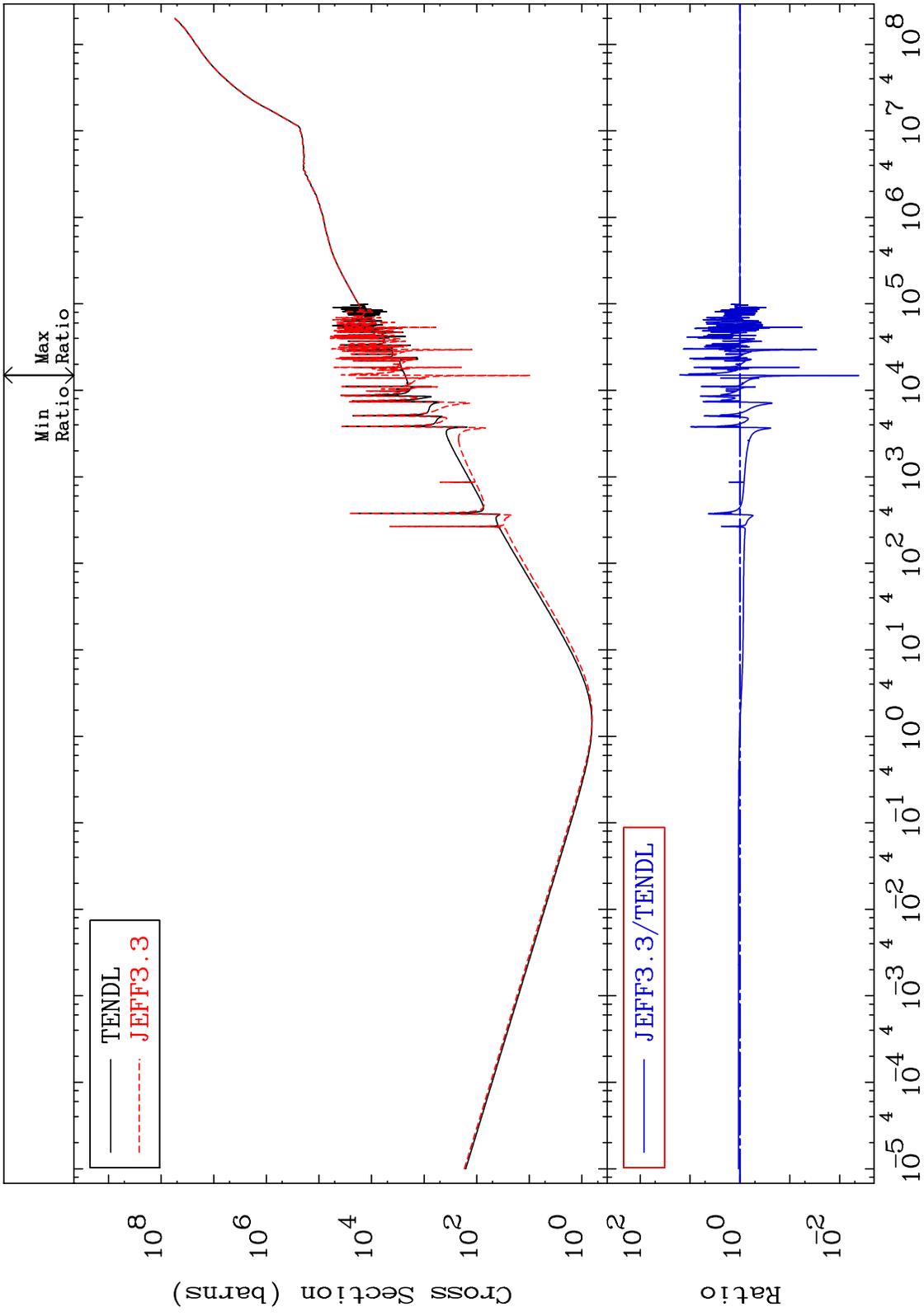
MAT 3731

Total photon (eV-barns)
Cross Section

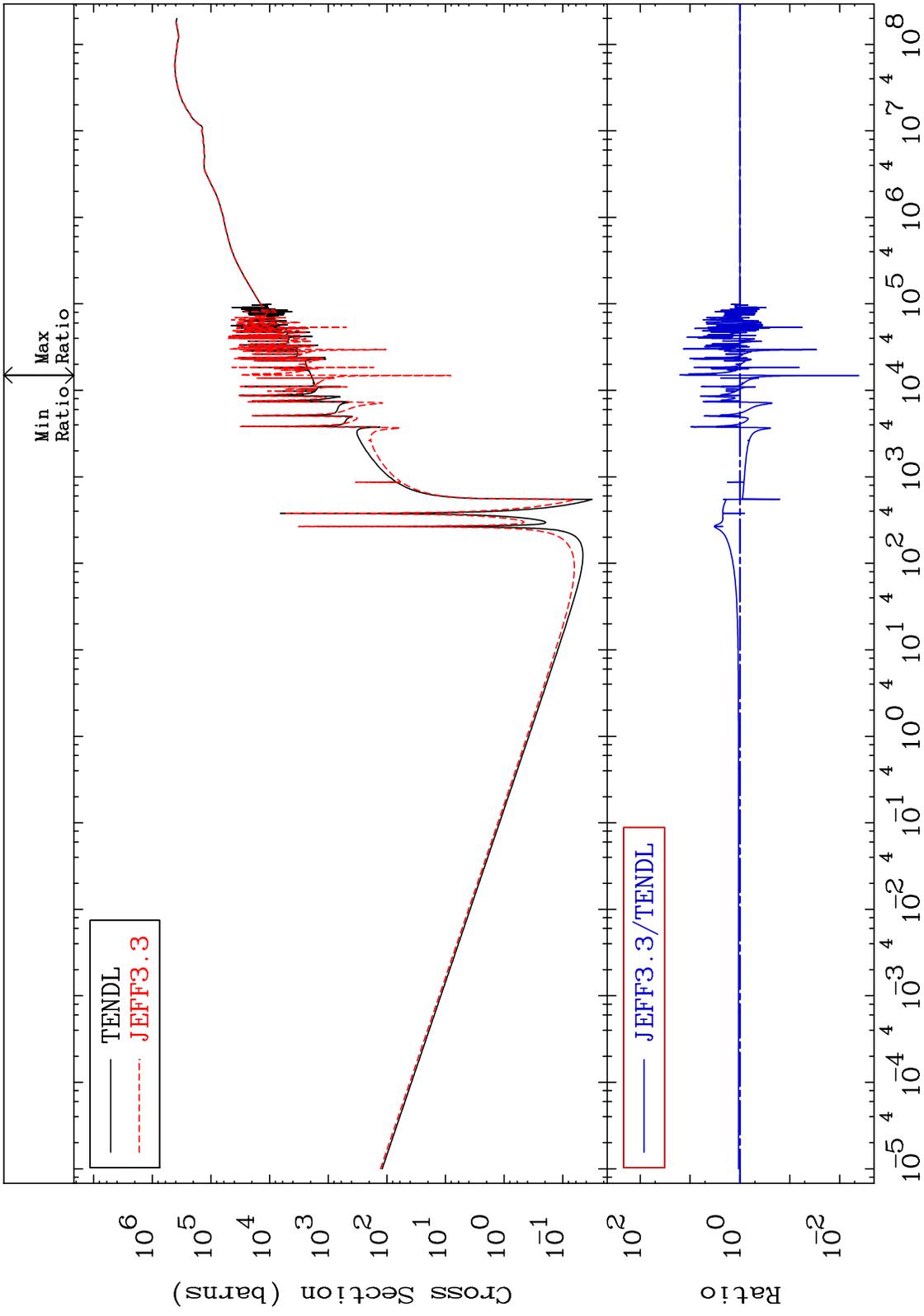
37-Rb-87
-99.98 To 9999. %



MAT 3731 Total kinematic kerma (high limit) 37-Rb-87
 Cross Section -99.58 To 1510. %



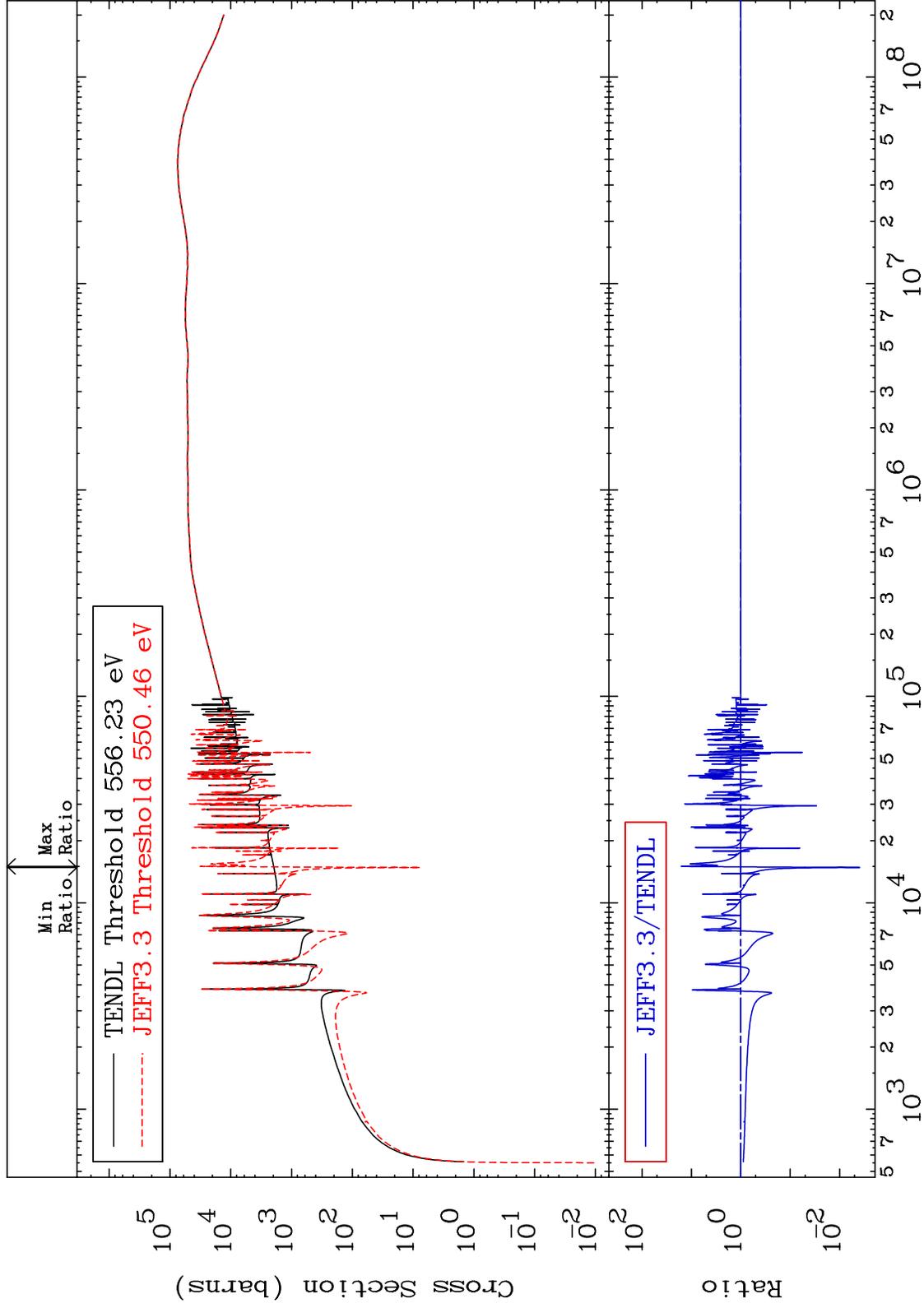
MAT 3731 Dpa total (eV-barns) 37-Rb-87
 Cross Section -99.59 To 1510. %



MAT 3731

Dpa elastic (mt2)
Cross Section

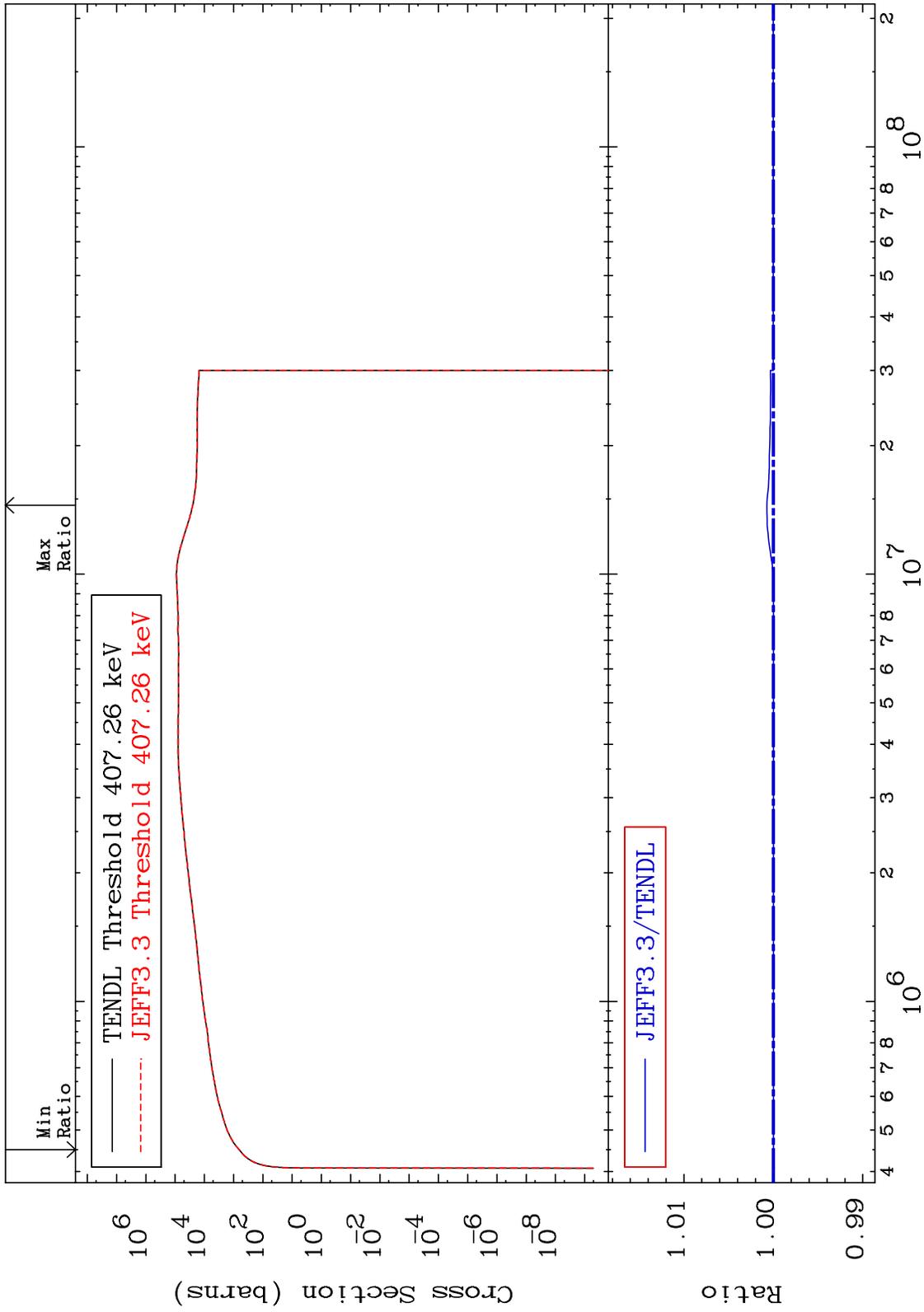
37-Rb-87
-99.61 To 1509. %



MAT 3731

Dpa inelastic (mt51-91)
Cross Section

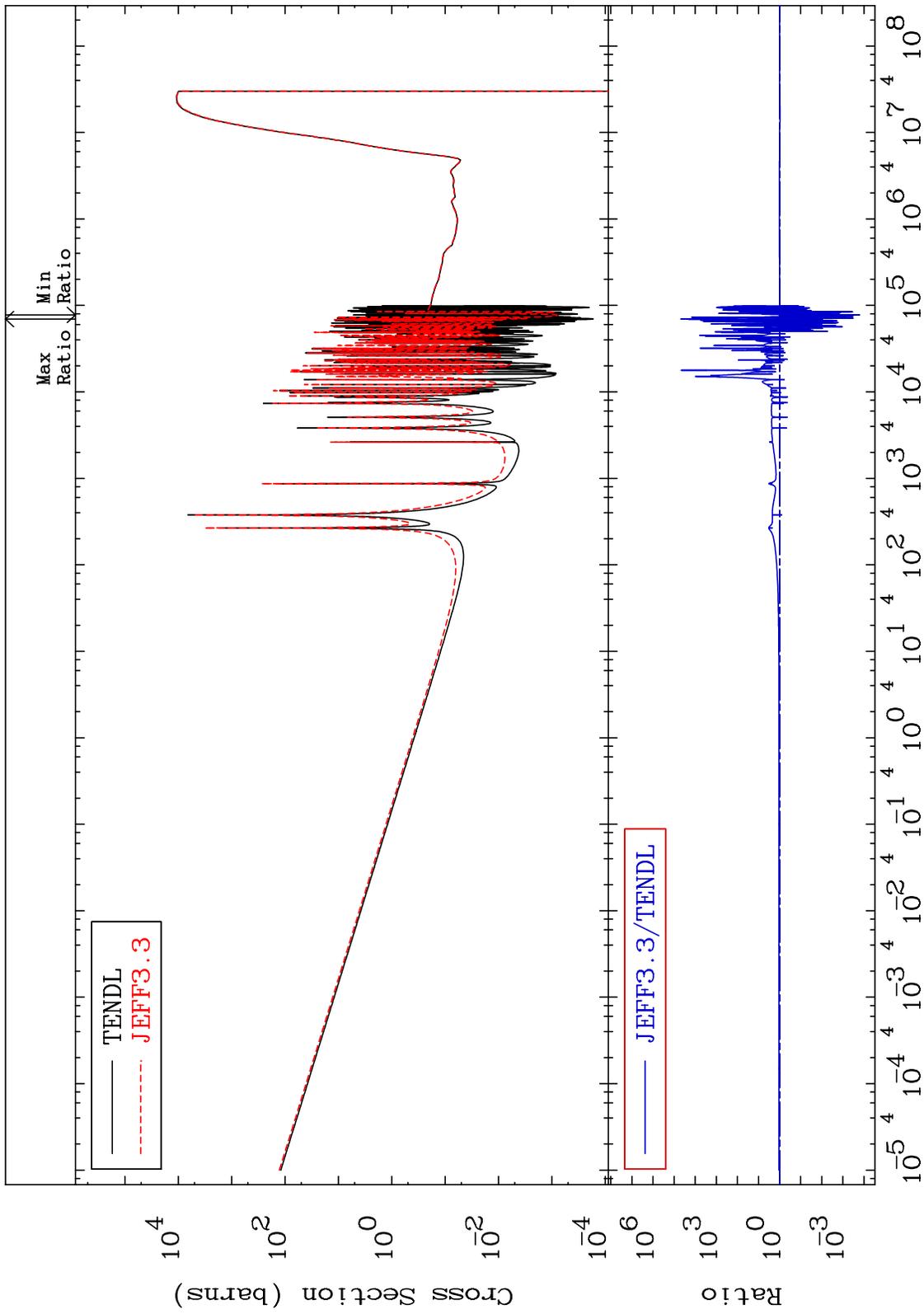
37-Rb-87
-0.002 To 0.072 %



MAT 3731

Dpa disappearance (mt102 -120)
Cross Section

37-Rb-87
-99.98 To 9999. %

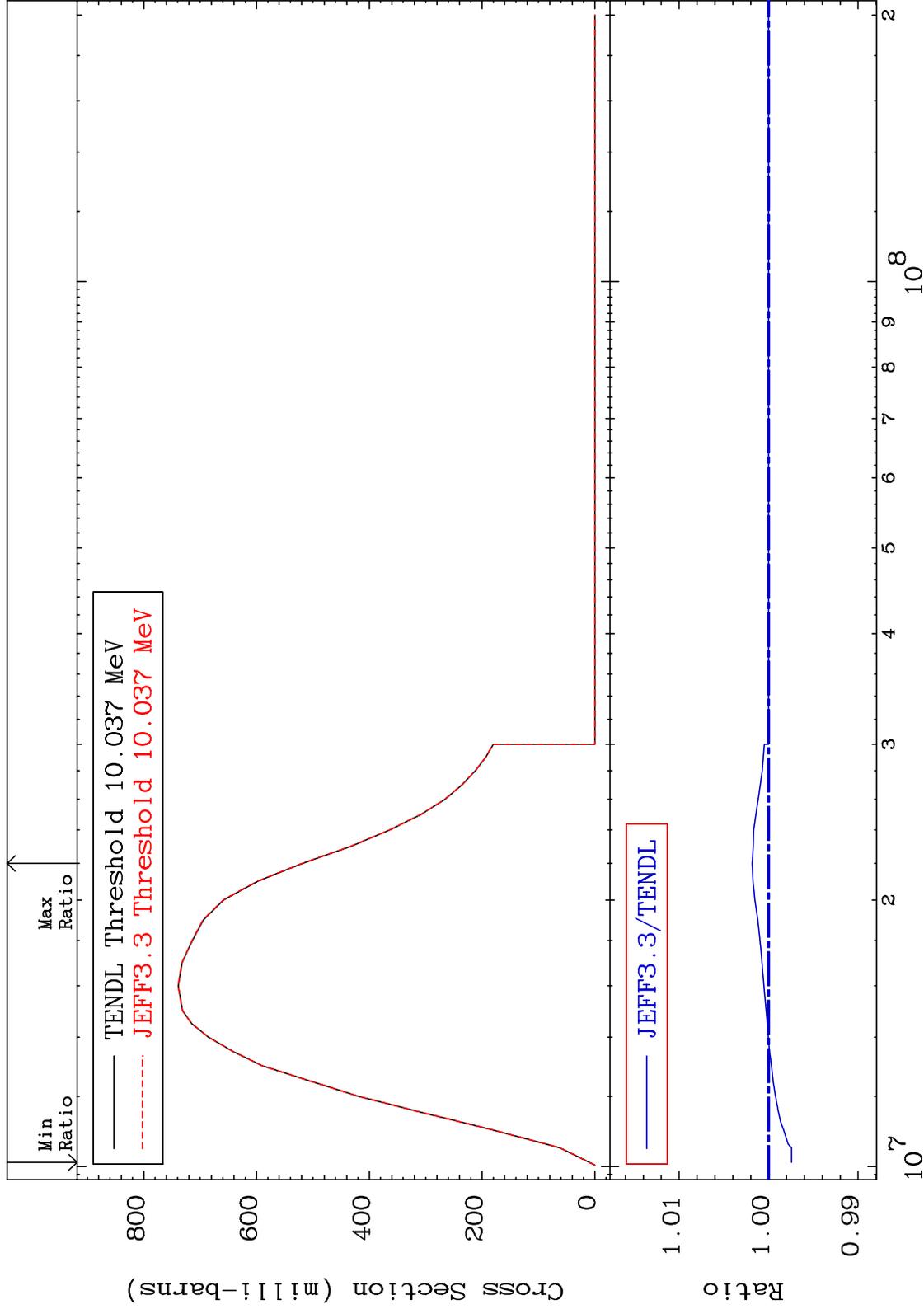


MAT 3731

(n,2n):37-Rb-86g

37-Rb-87

Radionuclide Production Cross Section -0.256 To 0.183 %



Incident Energy (eV)

37-Rb-87

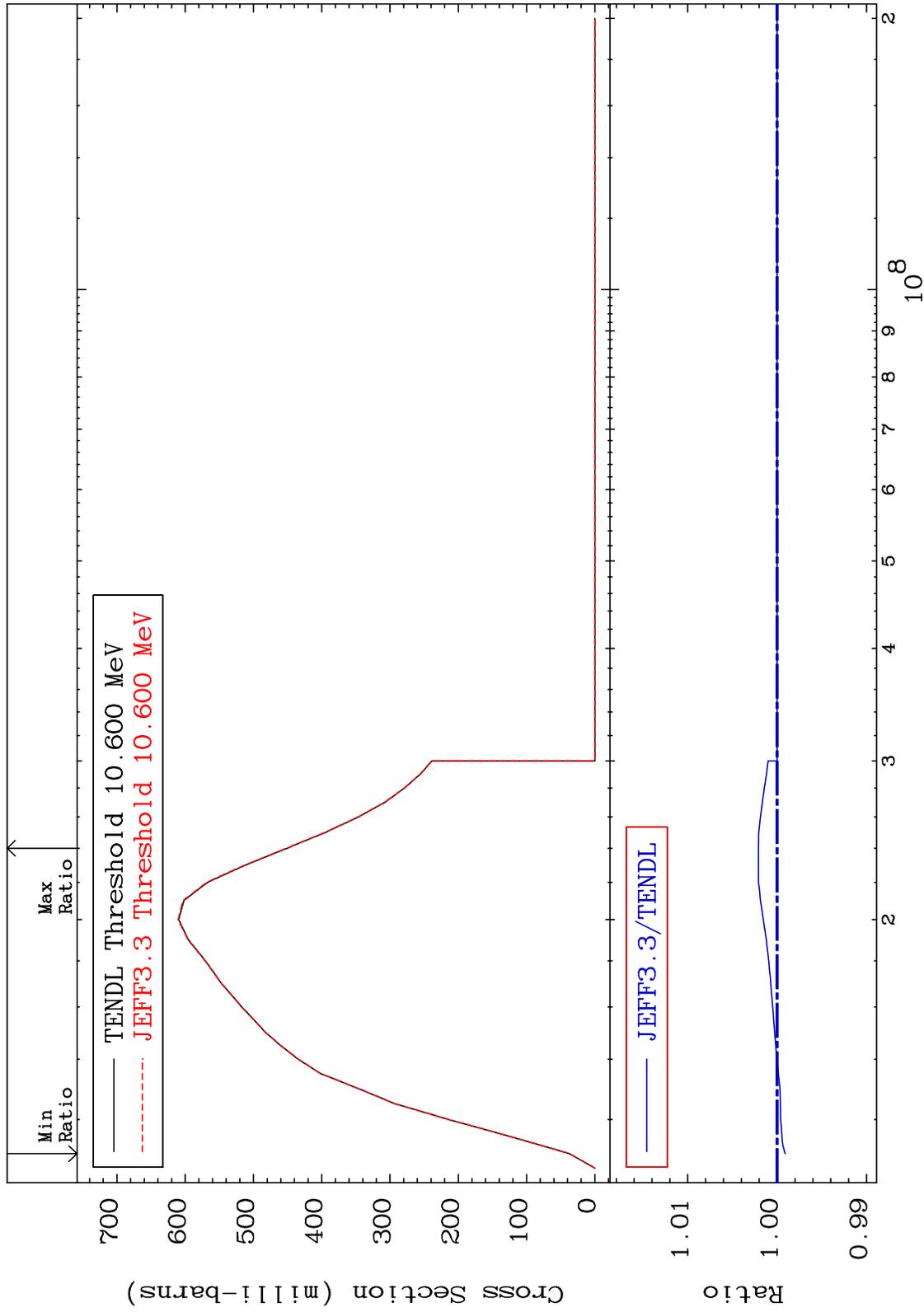
54

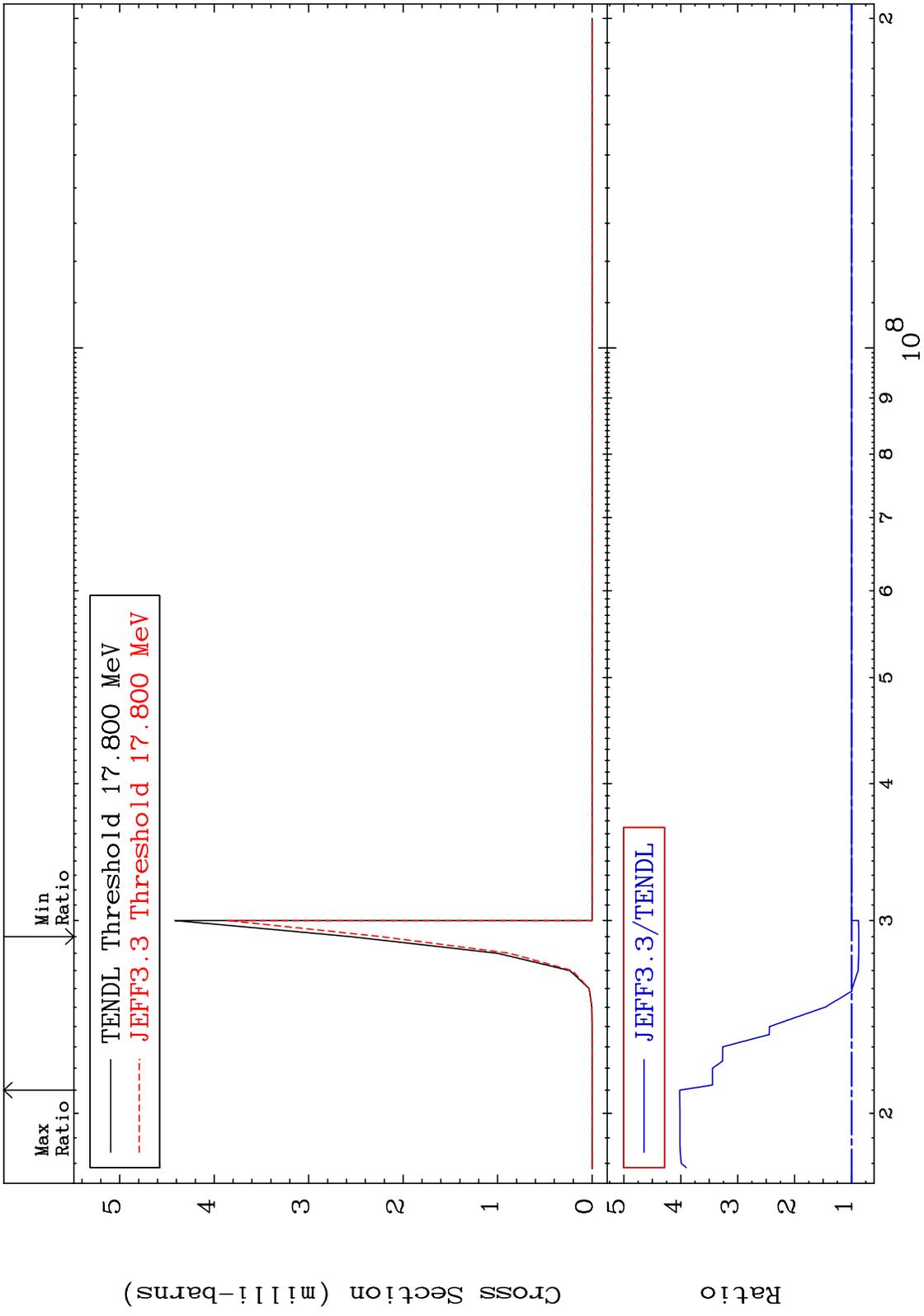
MAT 3731

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

37-Rb-87

Radionuclide Production Cross Section -0.092 To 0.209 %



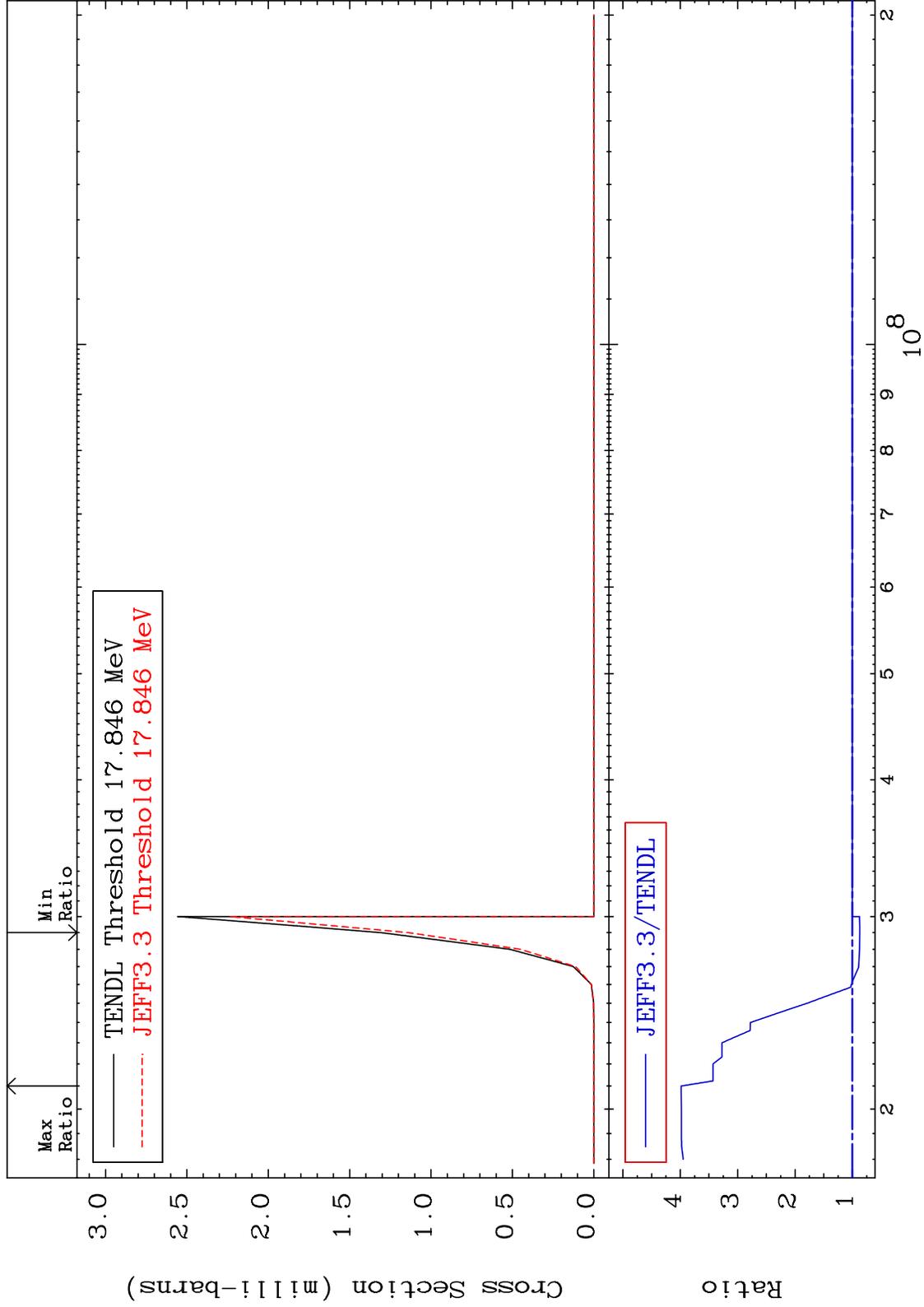


MAT 3731

(n,2n) α :35-Br-82m1

37-Rb-87

Radionuclide Production Cross Section -12.92 To 298.4 %



57

Incident Energy (eV)

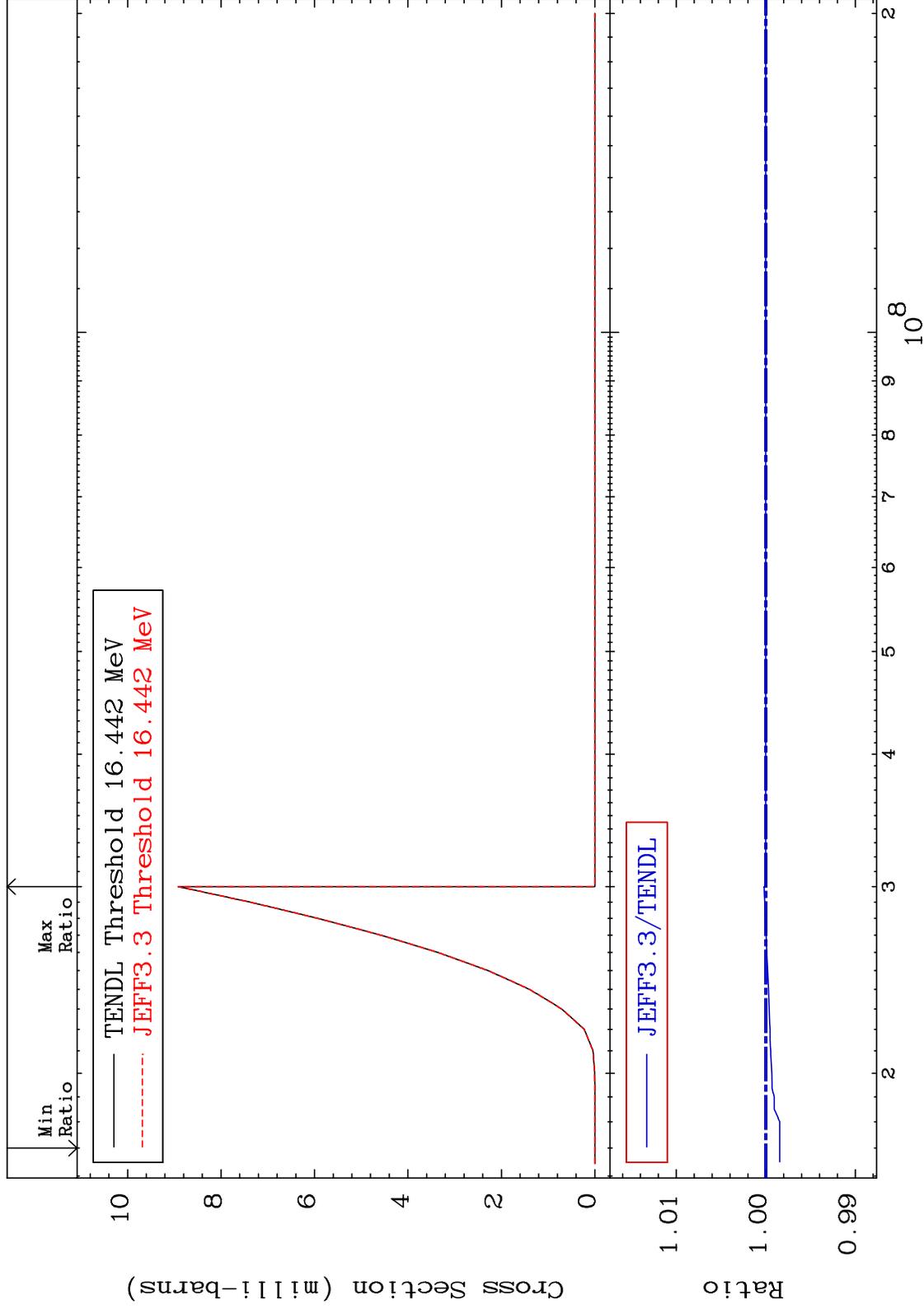
37-Rb-87

MAT 3731

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

37-Rb-87

Radionuclide Production Cross Section -0.156 To 0.020 %

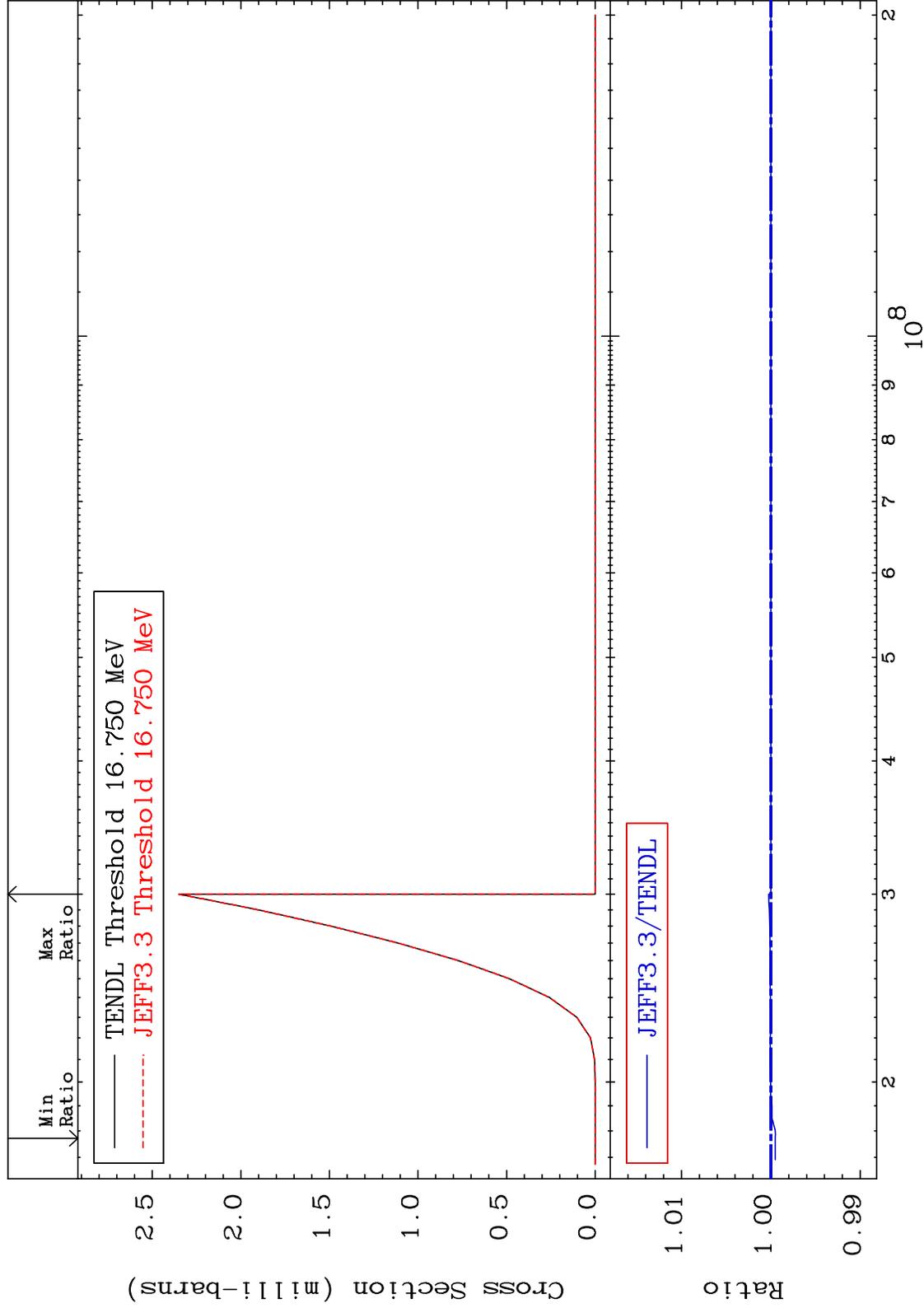


MAT 3731

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

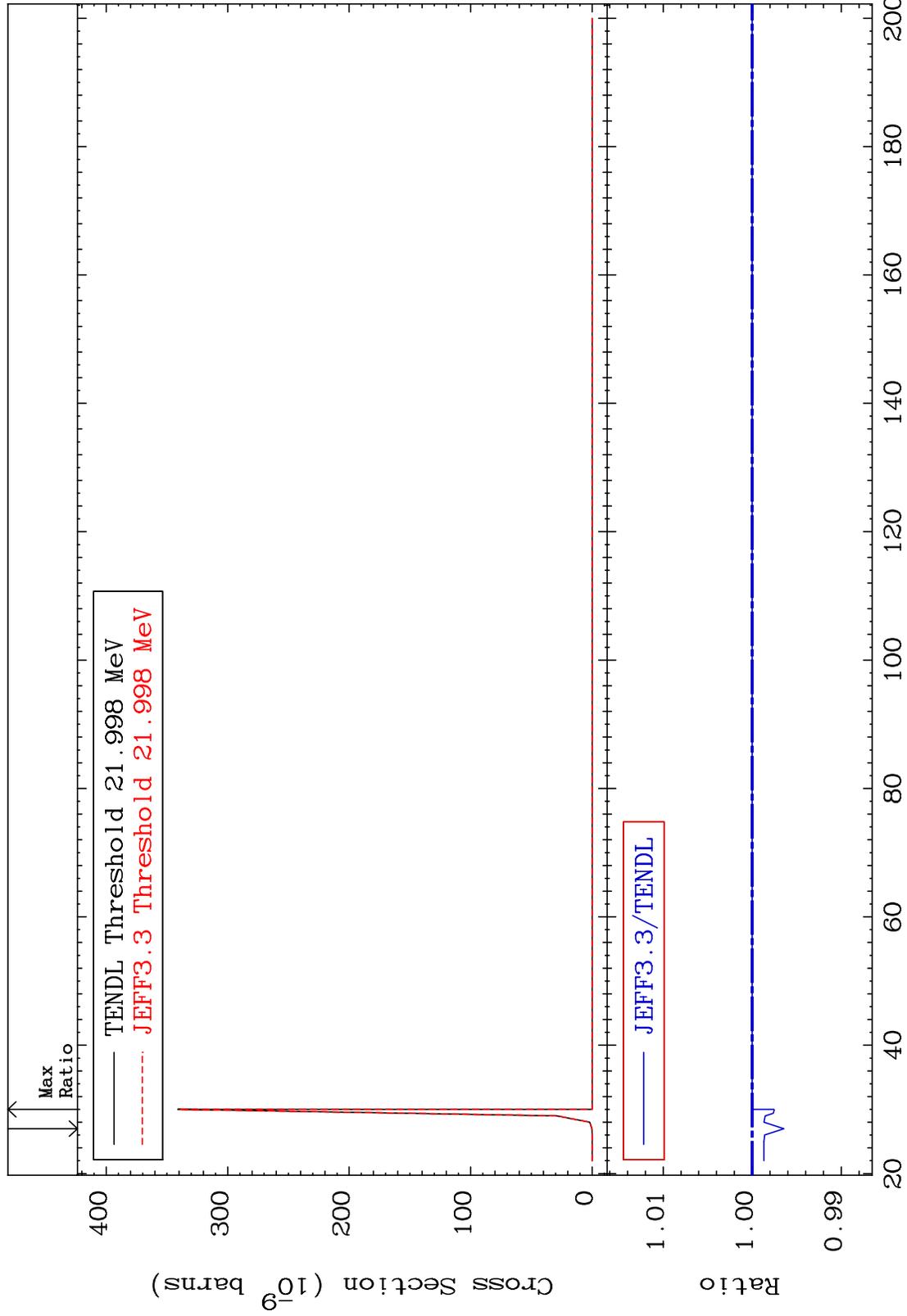
37-Rb-87

Radionuclide Production Cross Section -0.050 To 0.024 %



MAT 3731

(n,n') He-3:35-Br-84g 37-Rb-87
Radionuclide Production Cross Section -0.356 To 0.000 %



60

Incident Energy (MeV)

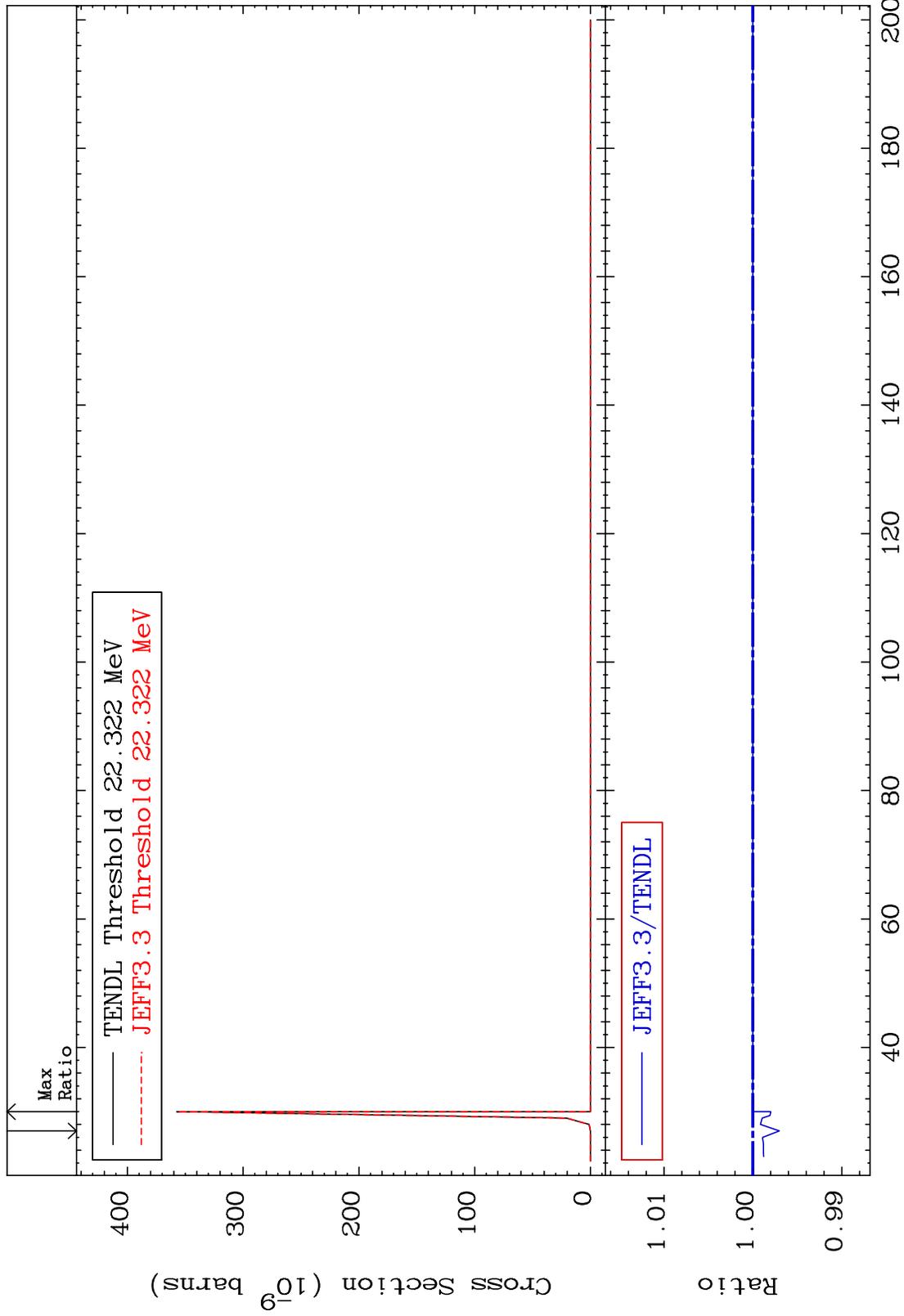
37-Rb-87

MAT 3731

(n,n') He-3:35-Br-84m1

37-Rb-87

Radionuclide Production Cross Section -0.298 To 0.000 %



61

Incident Energy (MeV)

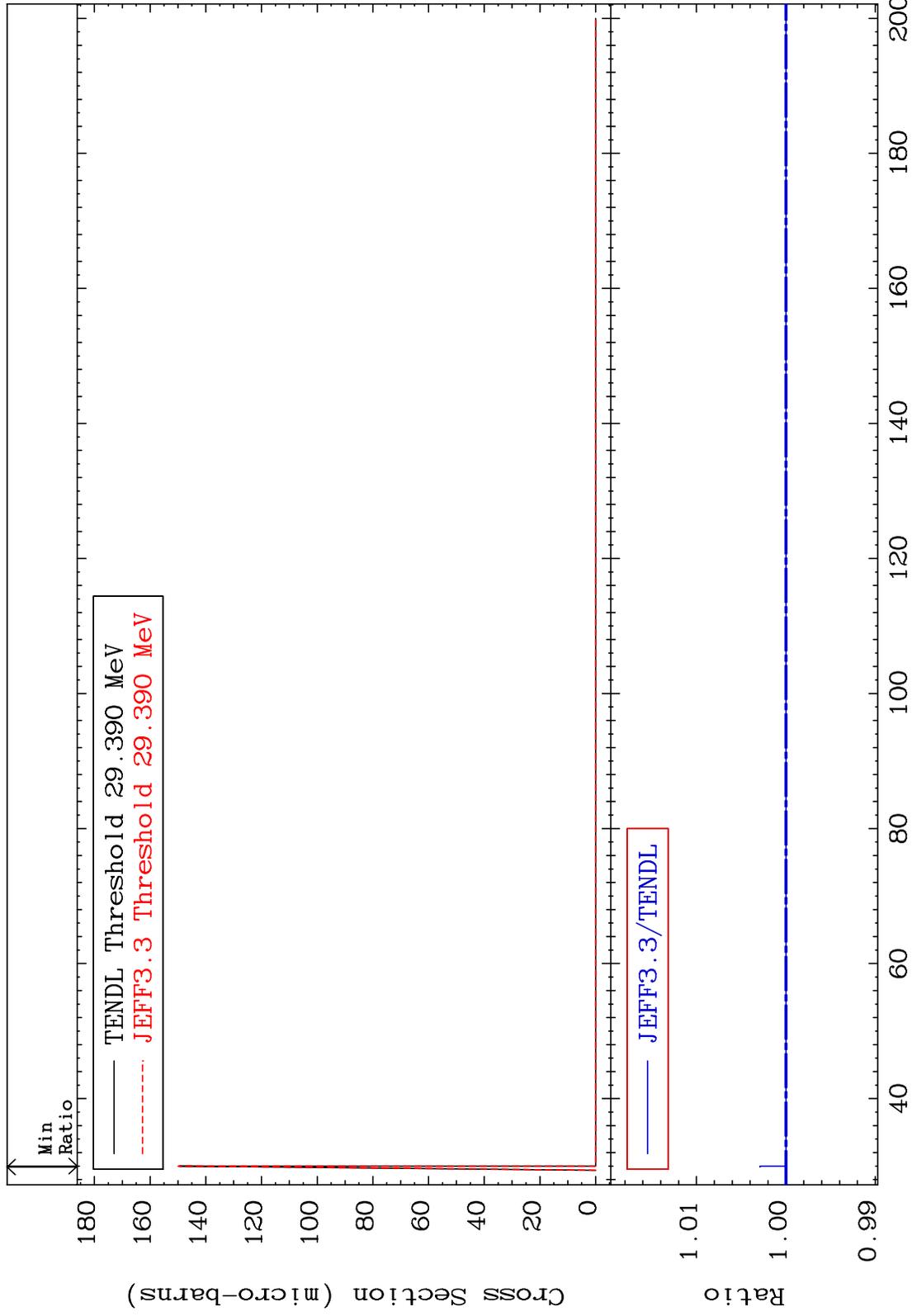
37-Rb-87

MAT 3731

(n,4n):37-Rb-84g

37-Rb-87

Radionuclide Production Cross Section 0.000 To 0.291 %



62

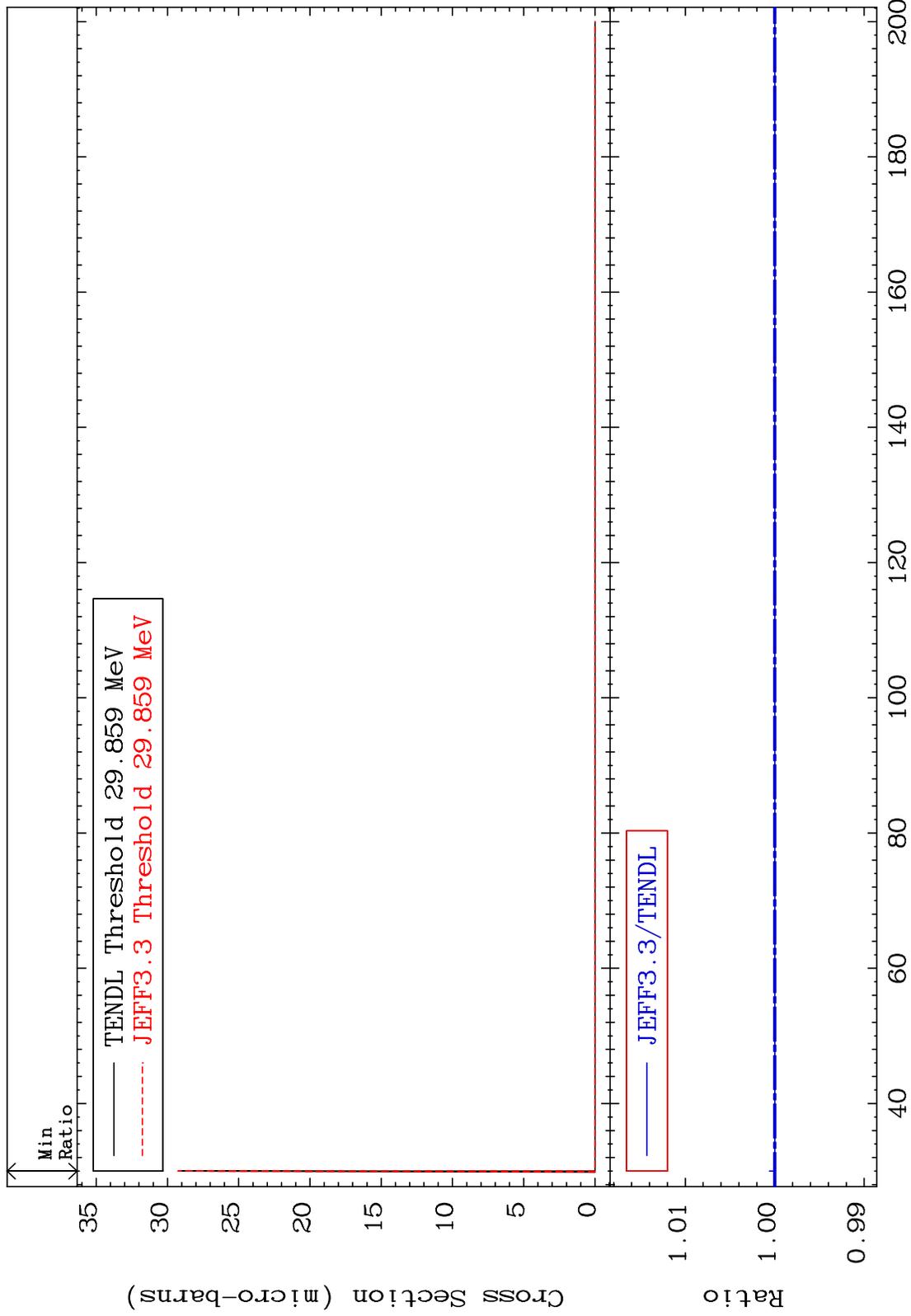
37-Rb-87

MAT 3731

(n, 4n) : 37-Rb-84m2

37-Rb-87

Radionuclide Production Cross Section 0.000 To 0.060 %



63

Incident Energy (MeV)

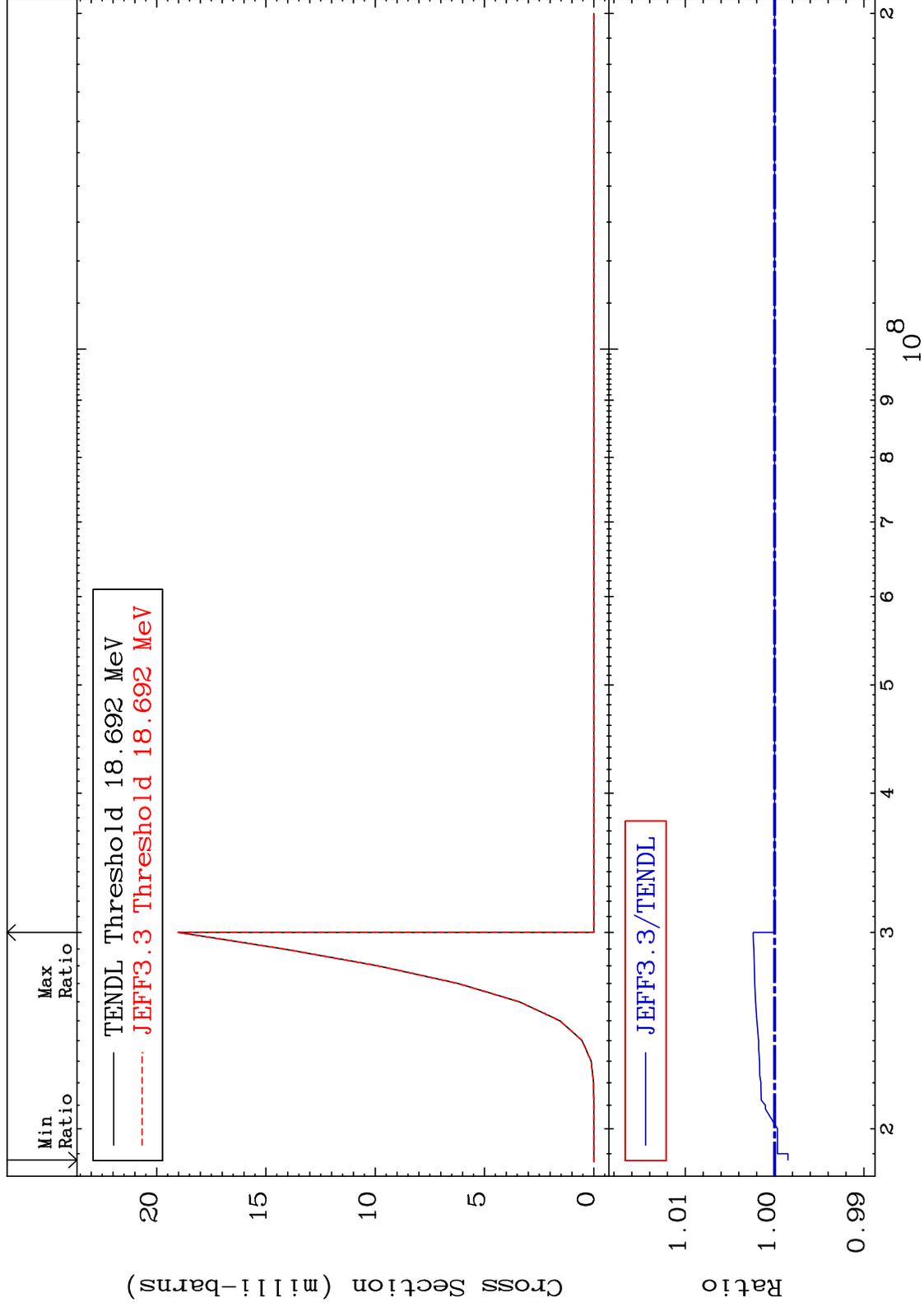
37-Rb-87

MAT 3731

(n,2n) p:36-Kr-85g

37-Rb-87

Radionuclide Production Cross Section -0.149 To 0.241 %



64

Incident Energy (eV)

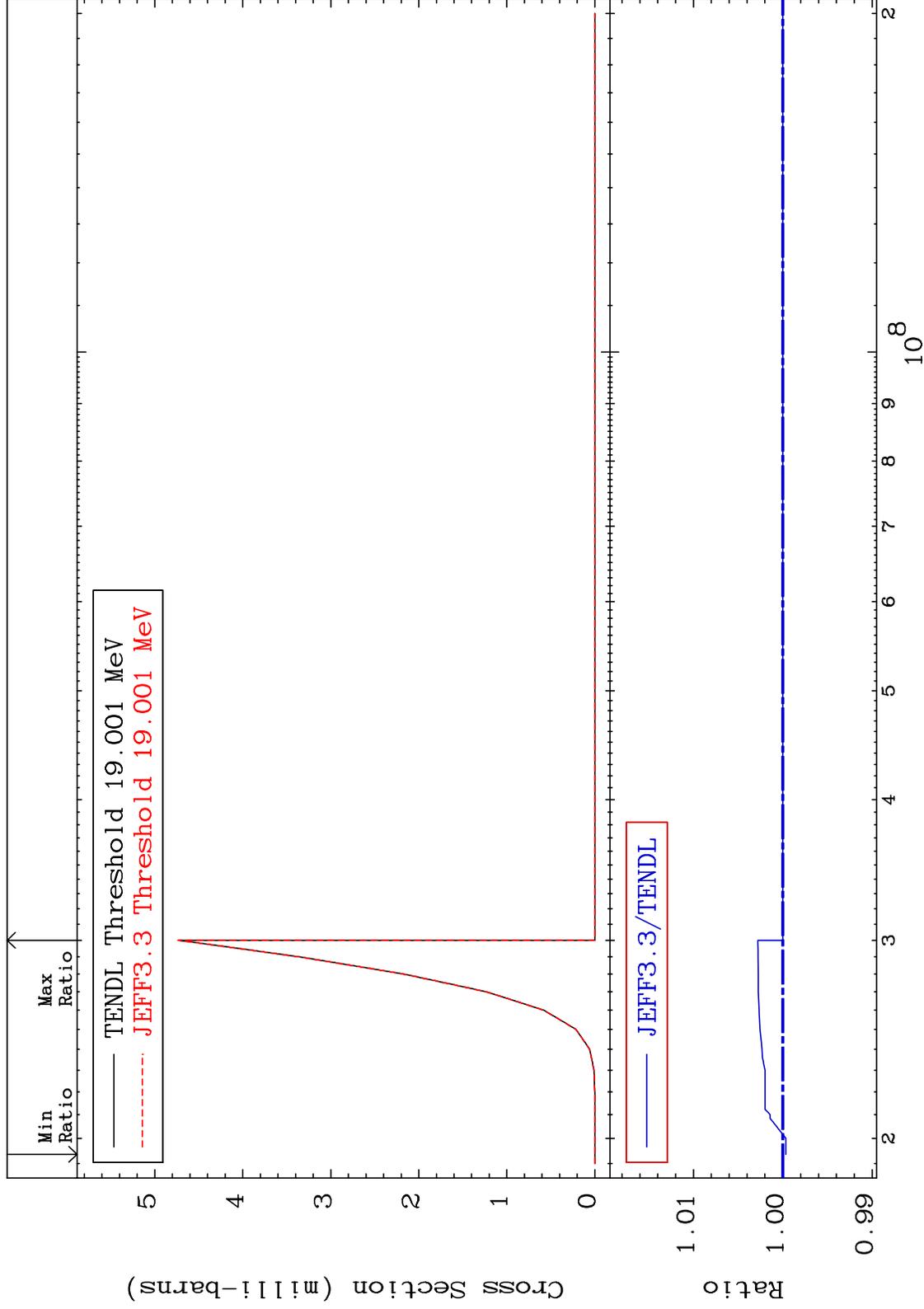
37-Rb-87

MAT 3731

(n,2n) p:36-Kr-85m1

37-Rb-87

Radionuclide Production Cross Section -0.034 To 0.279 %



65

Incident Energy (eV)

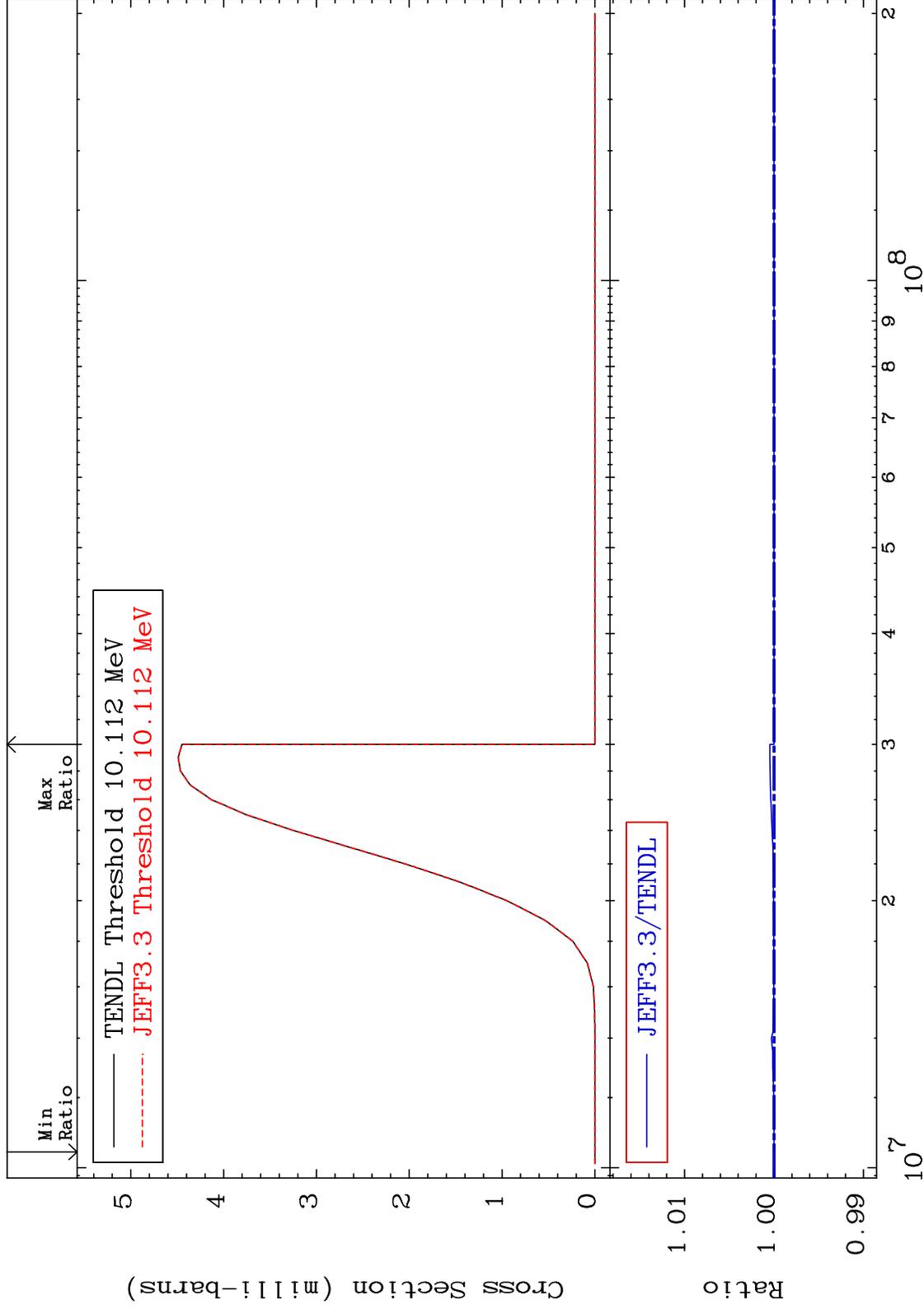
37-Rb-87

MAT 3731

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

37-Rb-87

Radionuclide Production Cross Section 0.000 To 0.047 %



66

Incident Energy (eV)

37-Rb-87

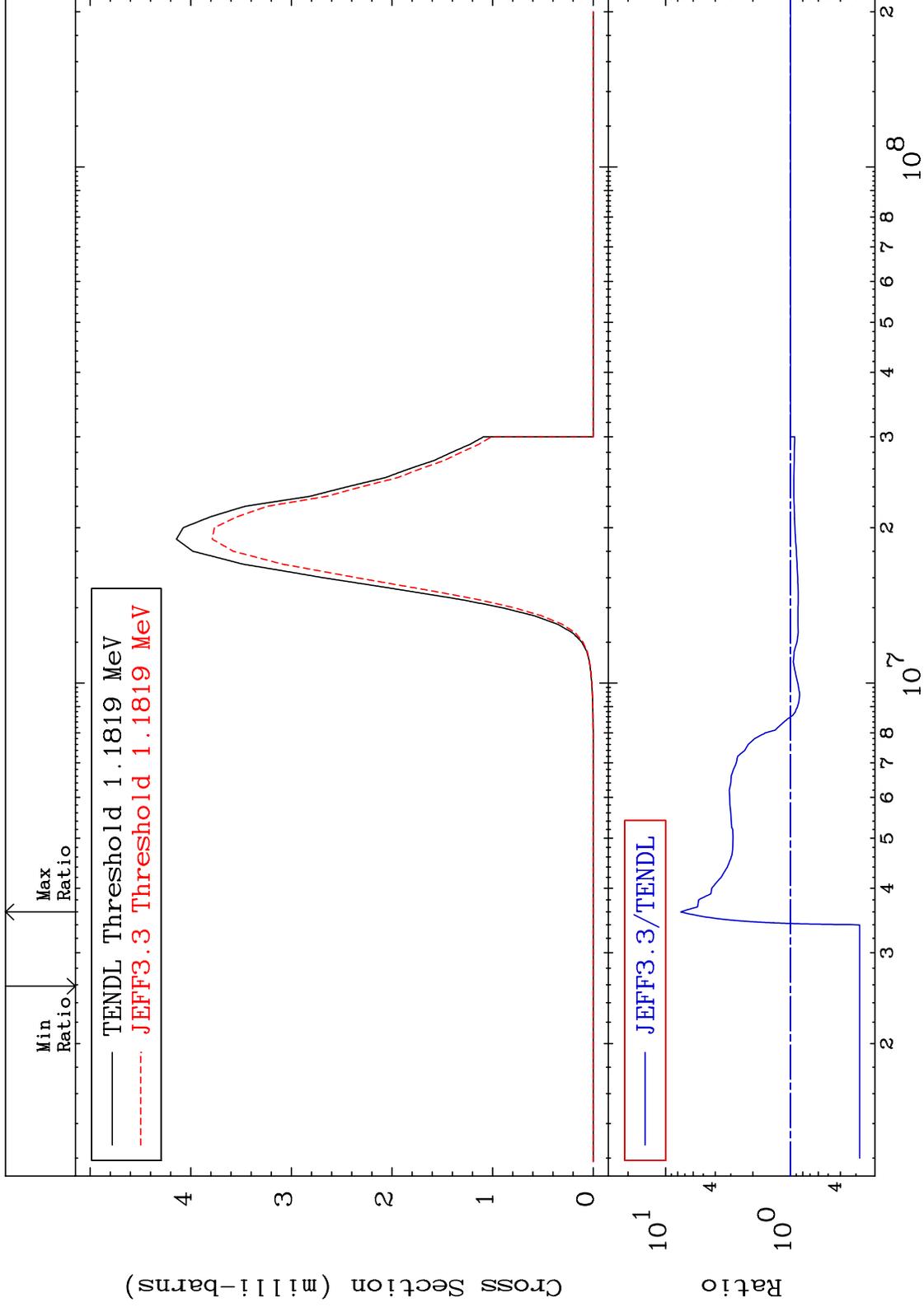
MAT 3731

(n, α): 35-Br-84g

37-Rb-87

Radionuclide Production Cross Section

-72.00 To 655.2 %



68

Incident Energy (eV)

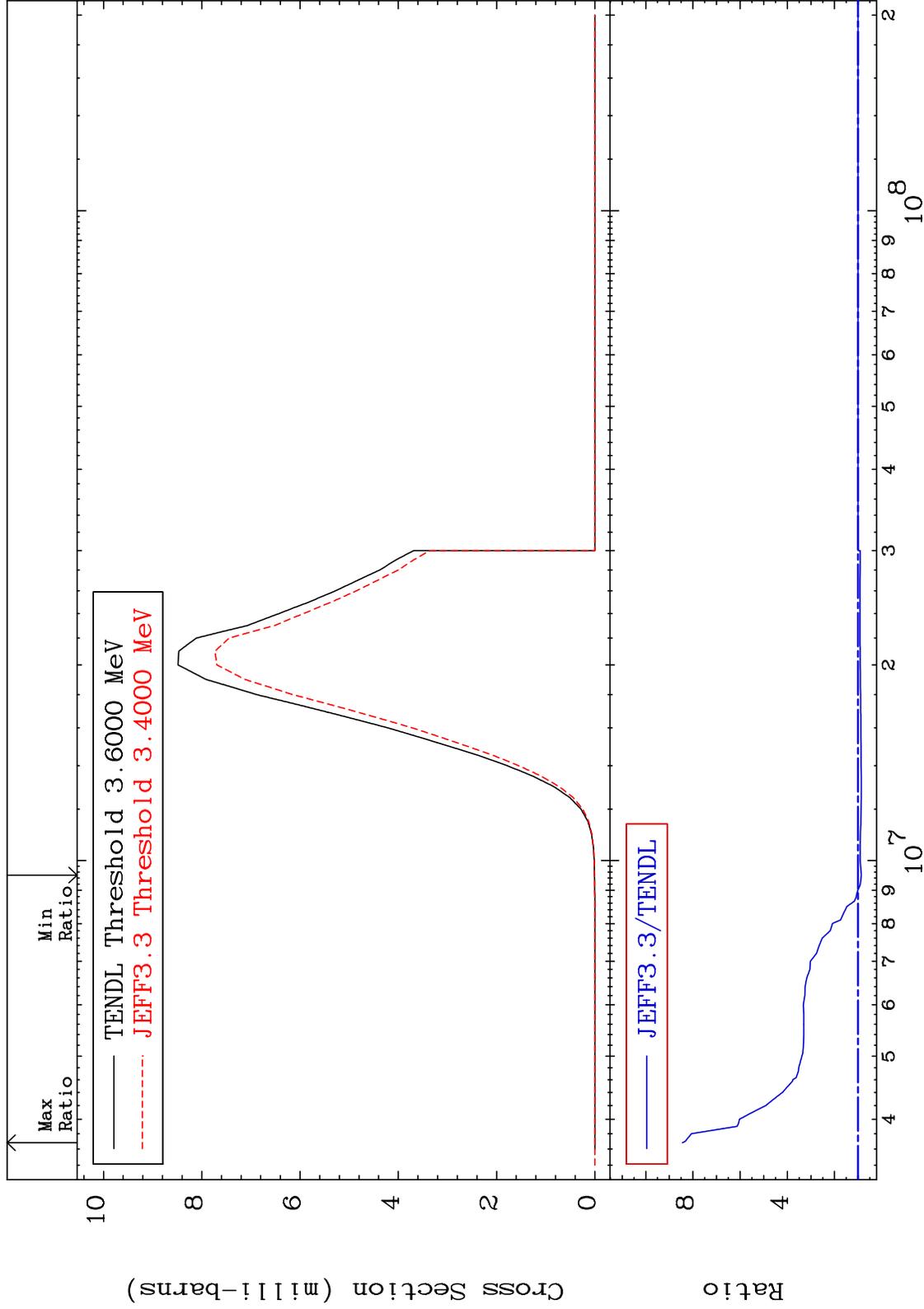
37-Rb-87

MAT 3731

(n, α): 35-Br-84m1

37-Rb-87

Radionuclide Production Cross Section -13.82 To 744.4 %

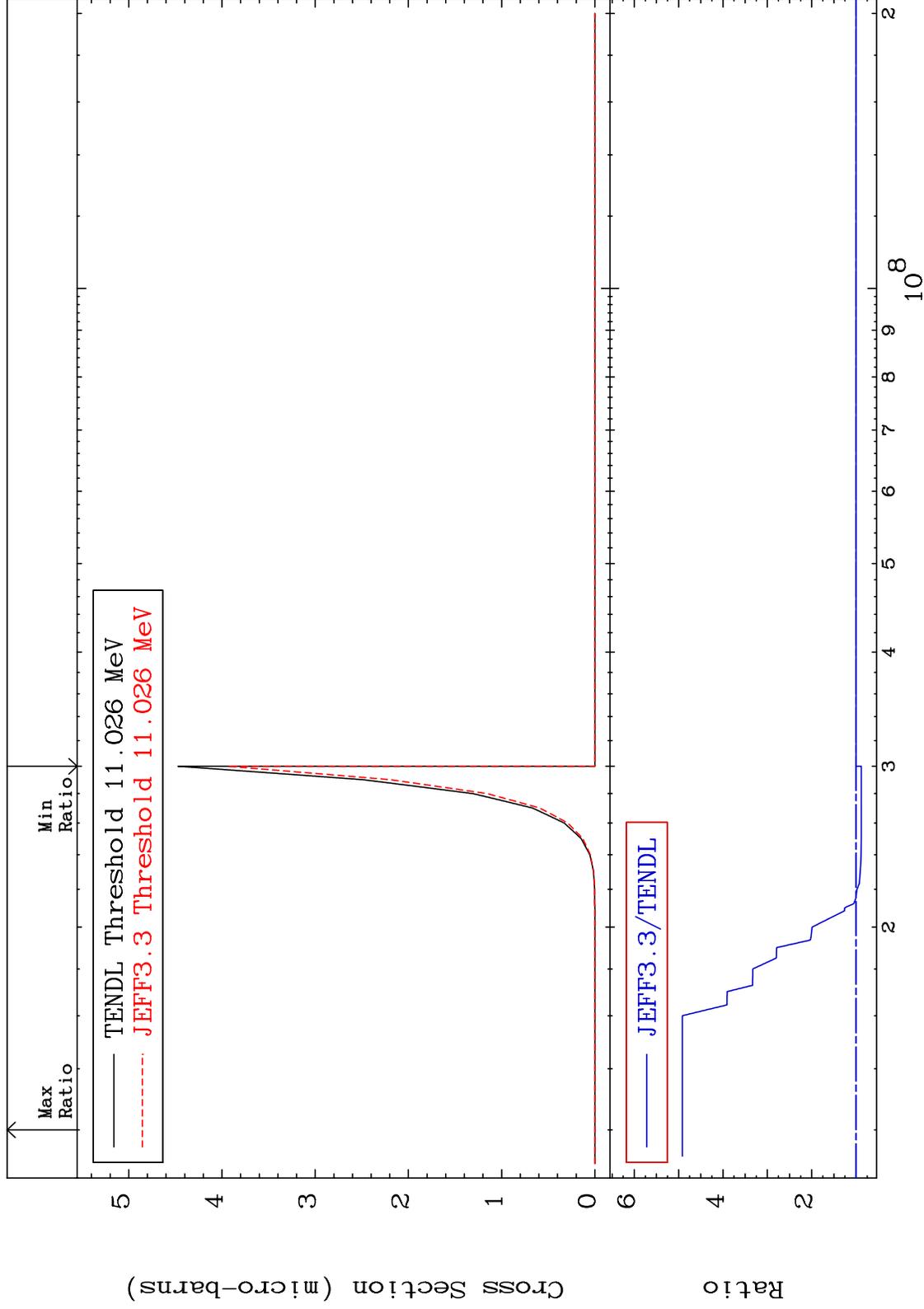


MAT 3731

(n,p) α :34-Se-83g

37-Rb-87

Radionuclide Production Cross Section -11.90 To 391.3 %



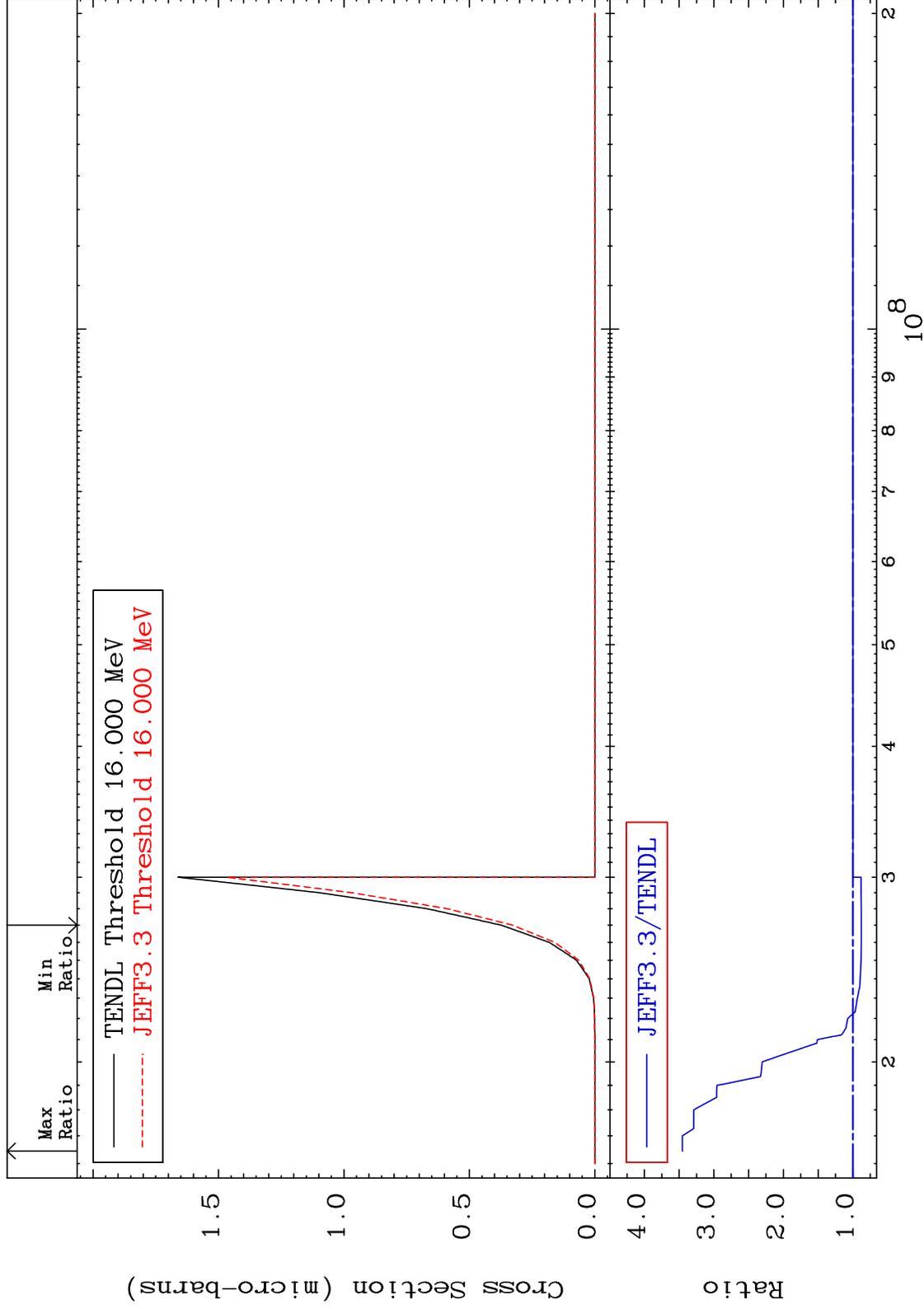
70

MAT 3731

(n,p) α :34-Se-83m1

37-Rb-87

Radionuclide Production Cross Section -12.07 To 245.2 %



71

Incident Energy (eV)

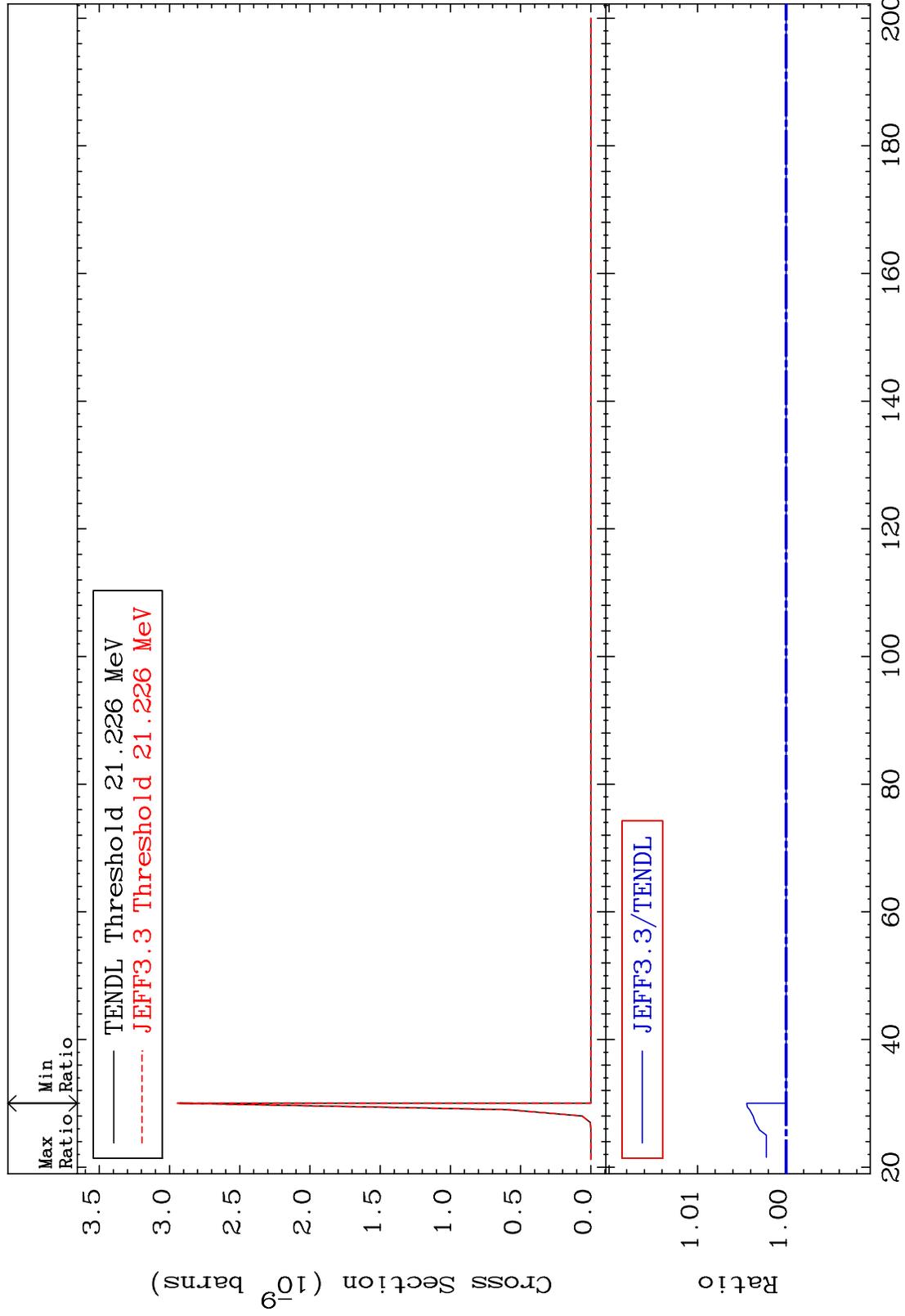
37-Rb-87

MAT 3731

(n,p) t:35-Br-84g

37-Rb-87

Radionuclide Production Cross Section 0.000 To 0.444 %



72

Incident Energy (MeV)

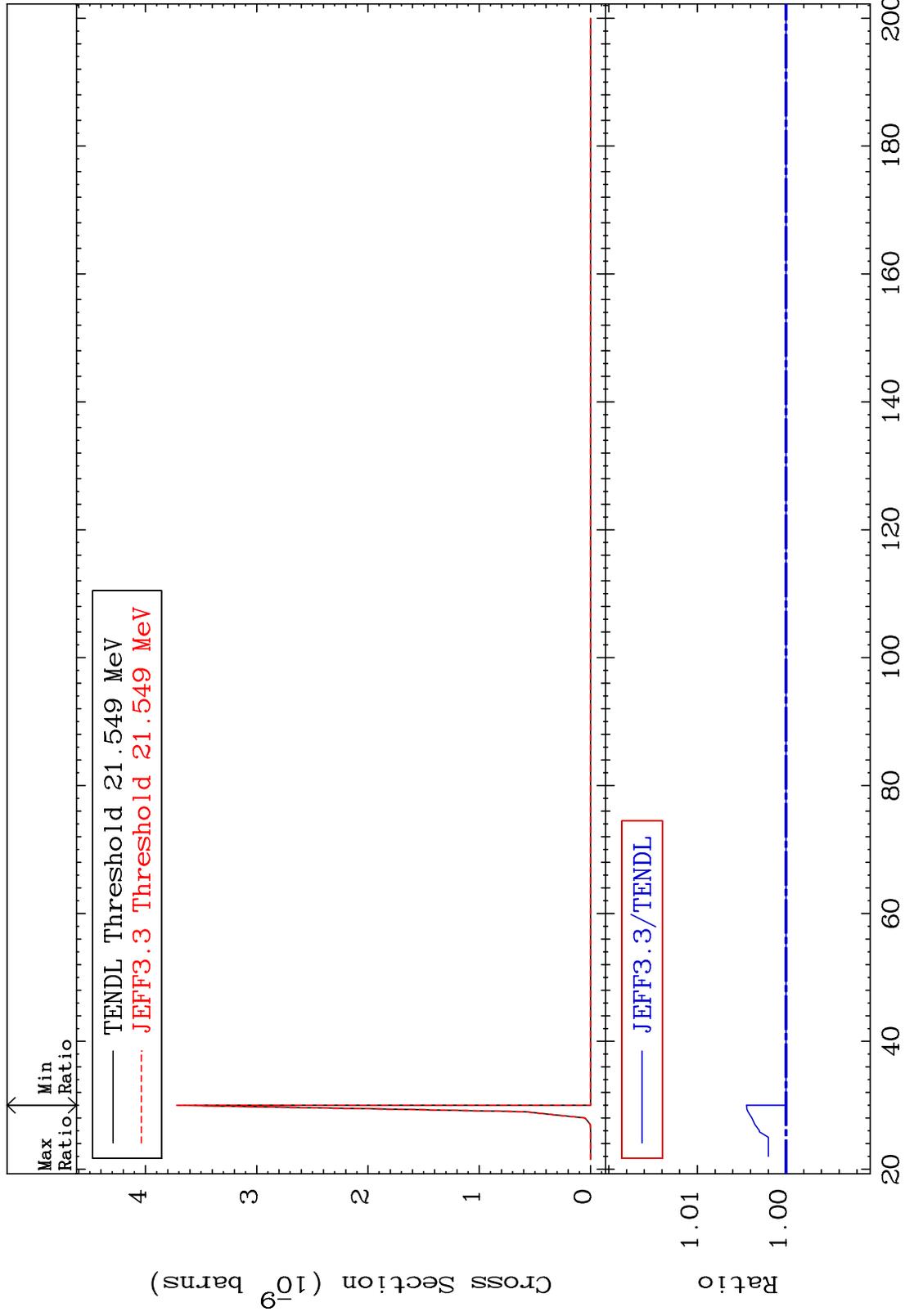
37-Rb-87

MAT 3731

(n,p) t:35-Br-84m1

37-Rb-87

Radionuclide Production Cross Section 0.000 To 0.445 %



73

Incident Energy (MeV)

37-Rb-87