

Program Complot
(Version 2018-1)

by

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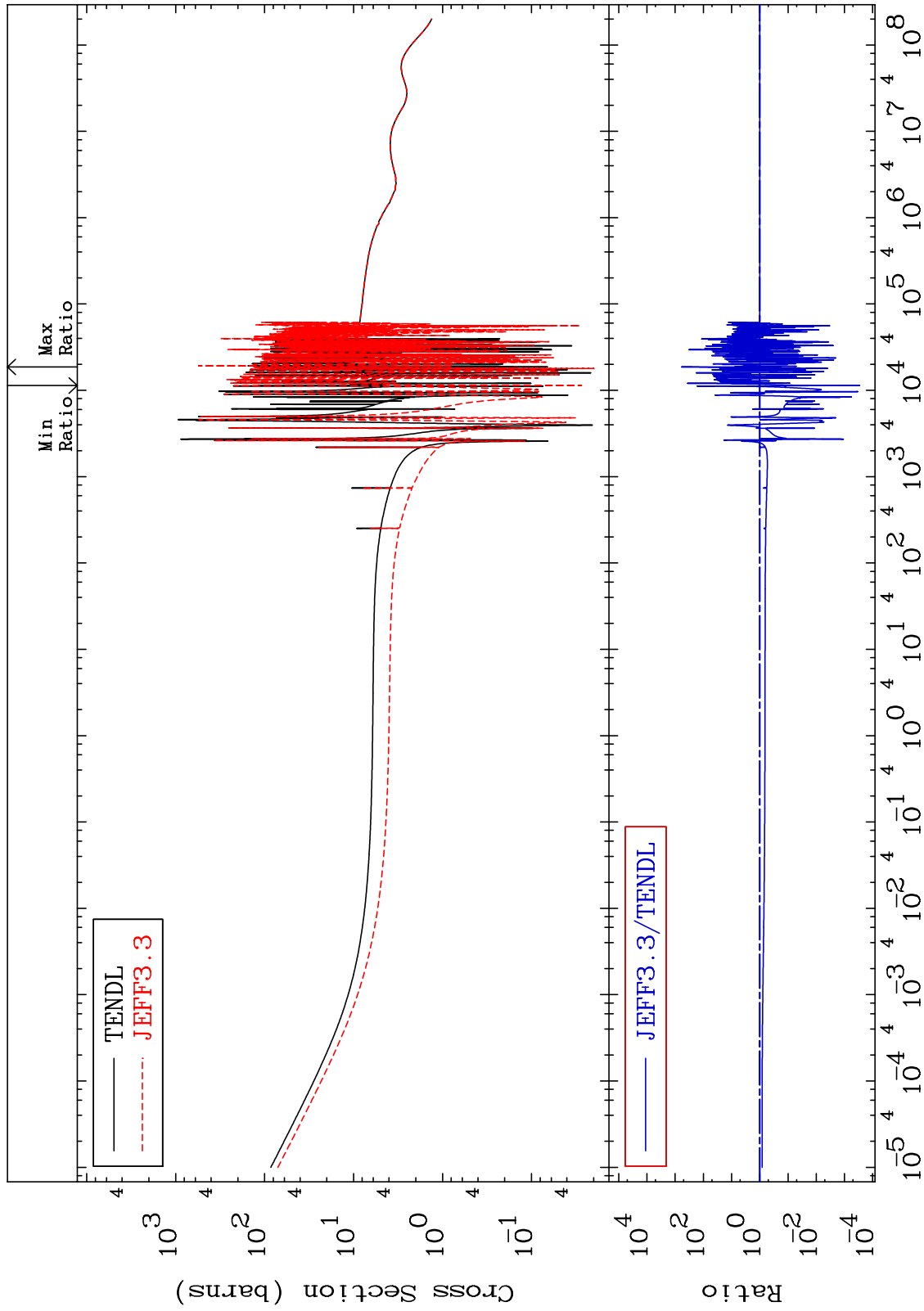
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3231

Total
Cross Section

32-Ge-72
-99.97 To 9999. %



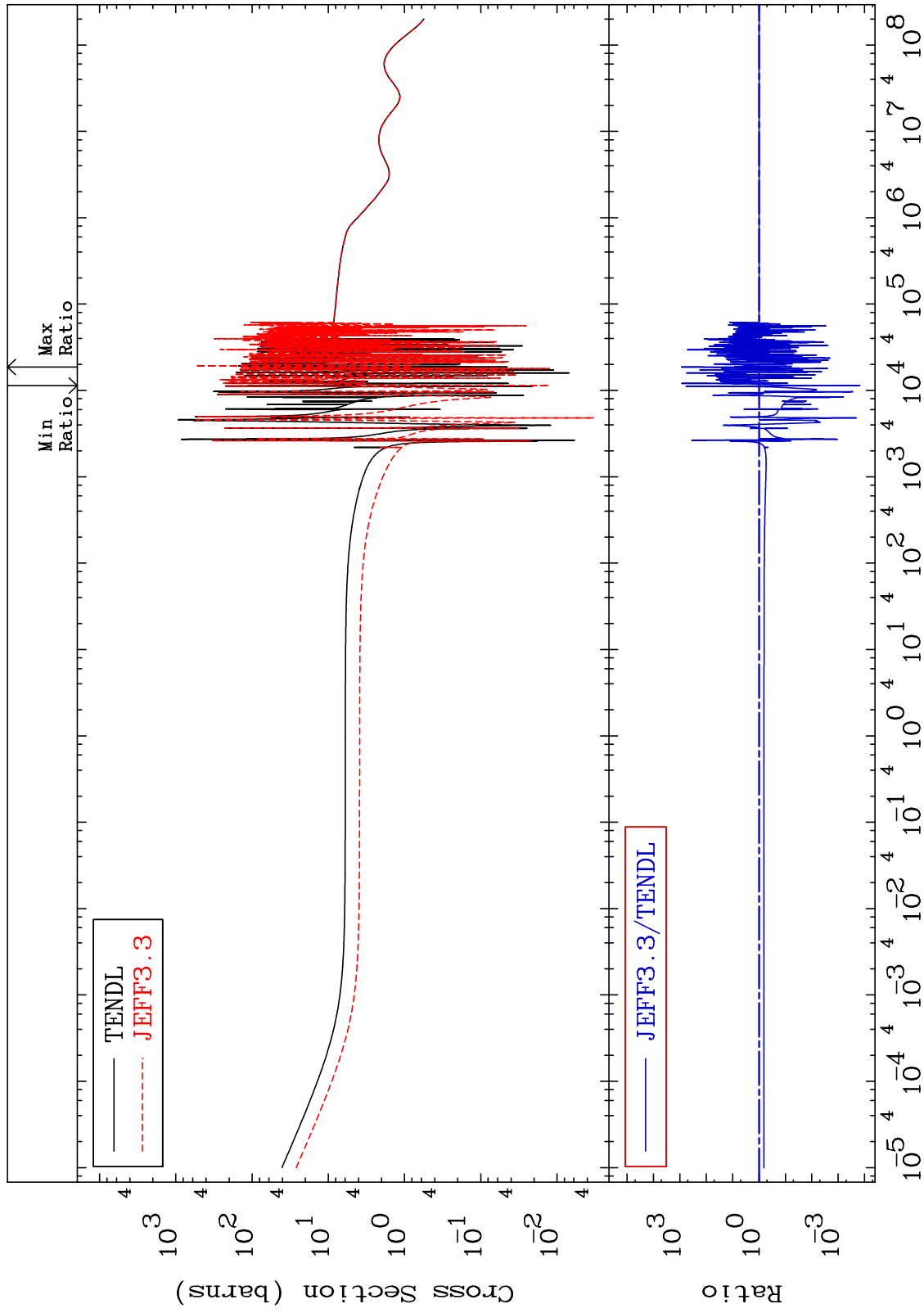
Incident Energy (eV)

32-Ge-72

MAT 3231

Elastic
Cross Section

32-Ge-72
-99.98 To 9999. %

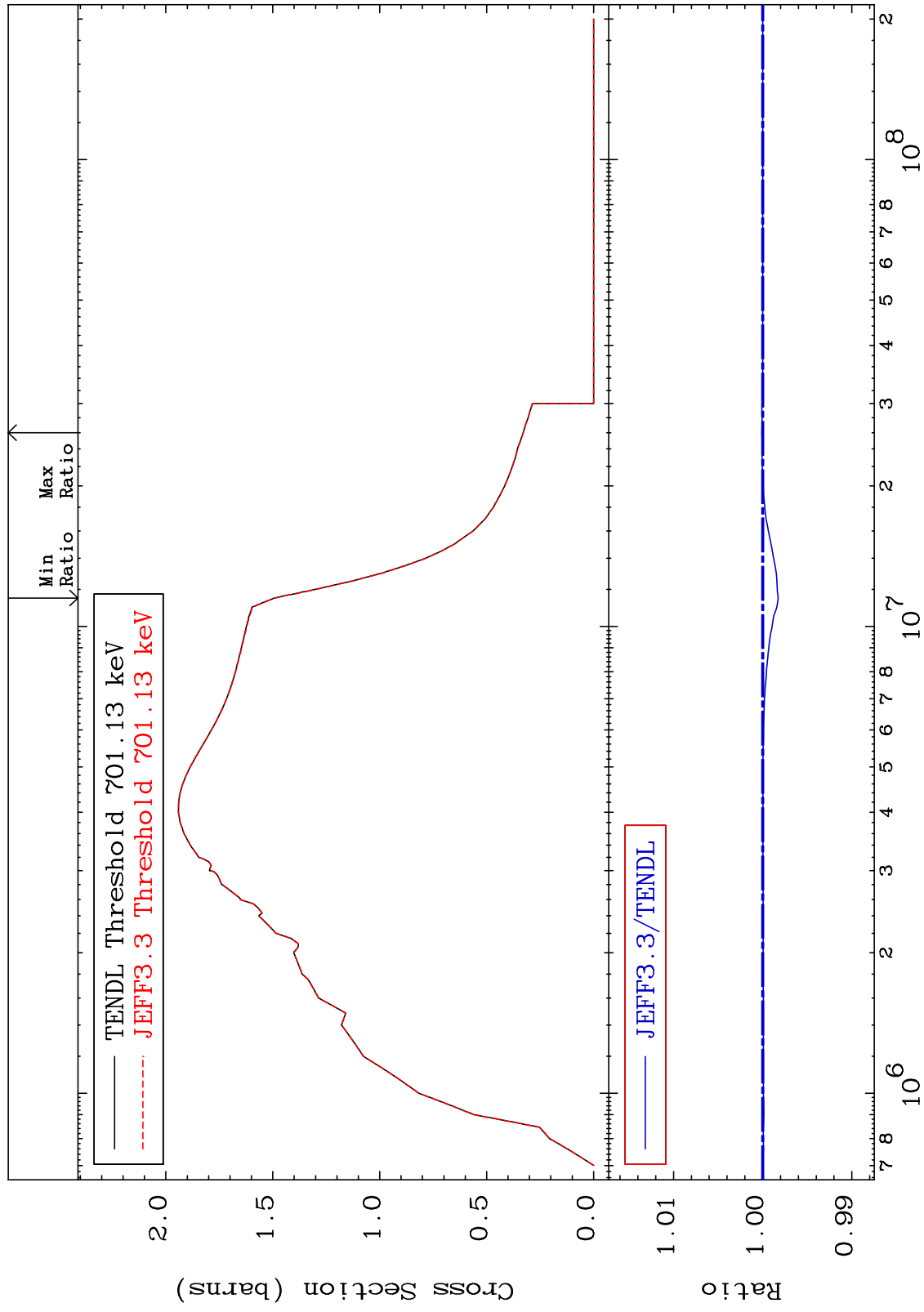


2

Incident Energy (eV)

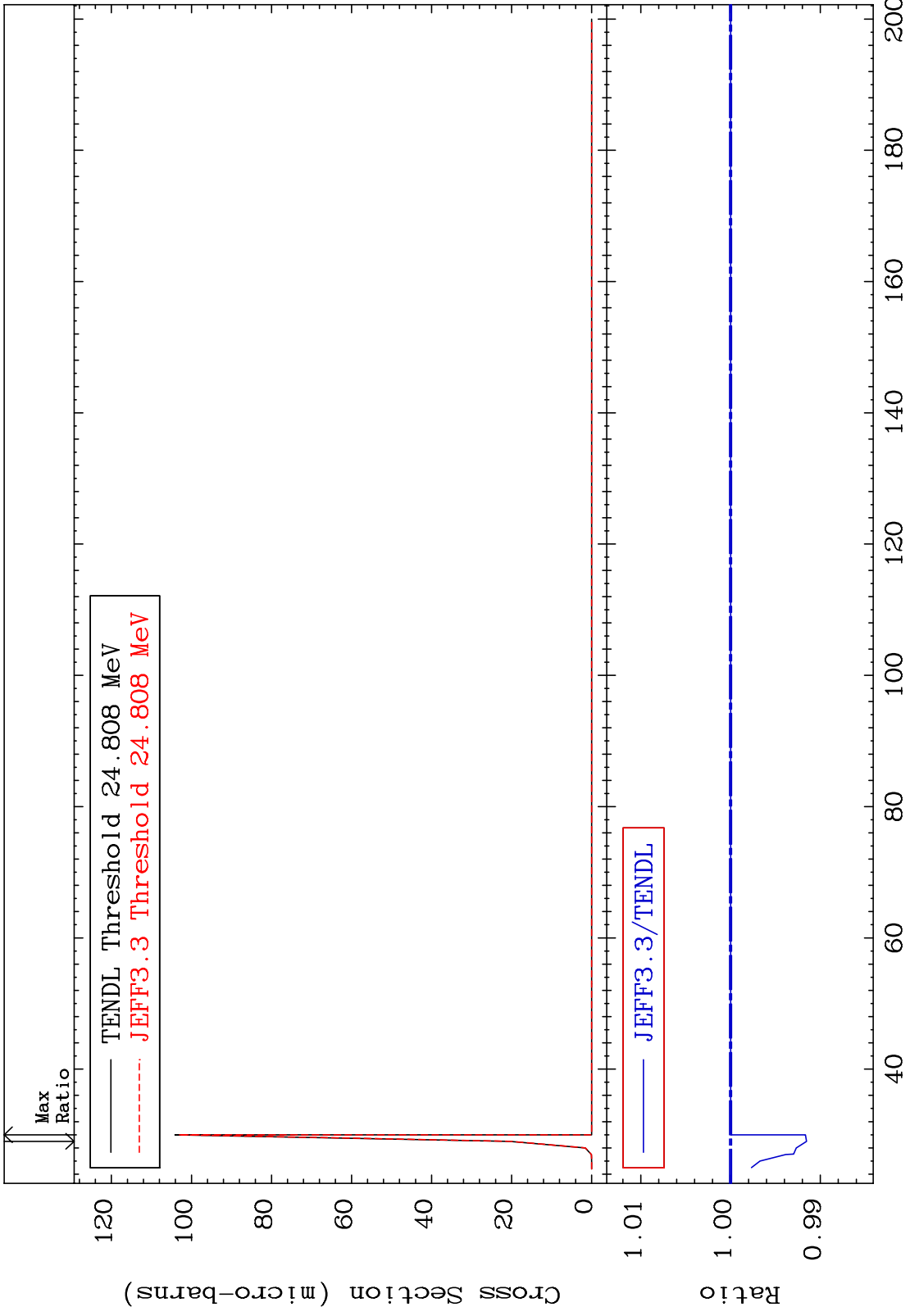
32-Ge-72

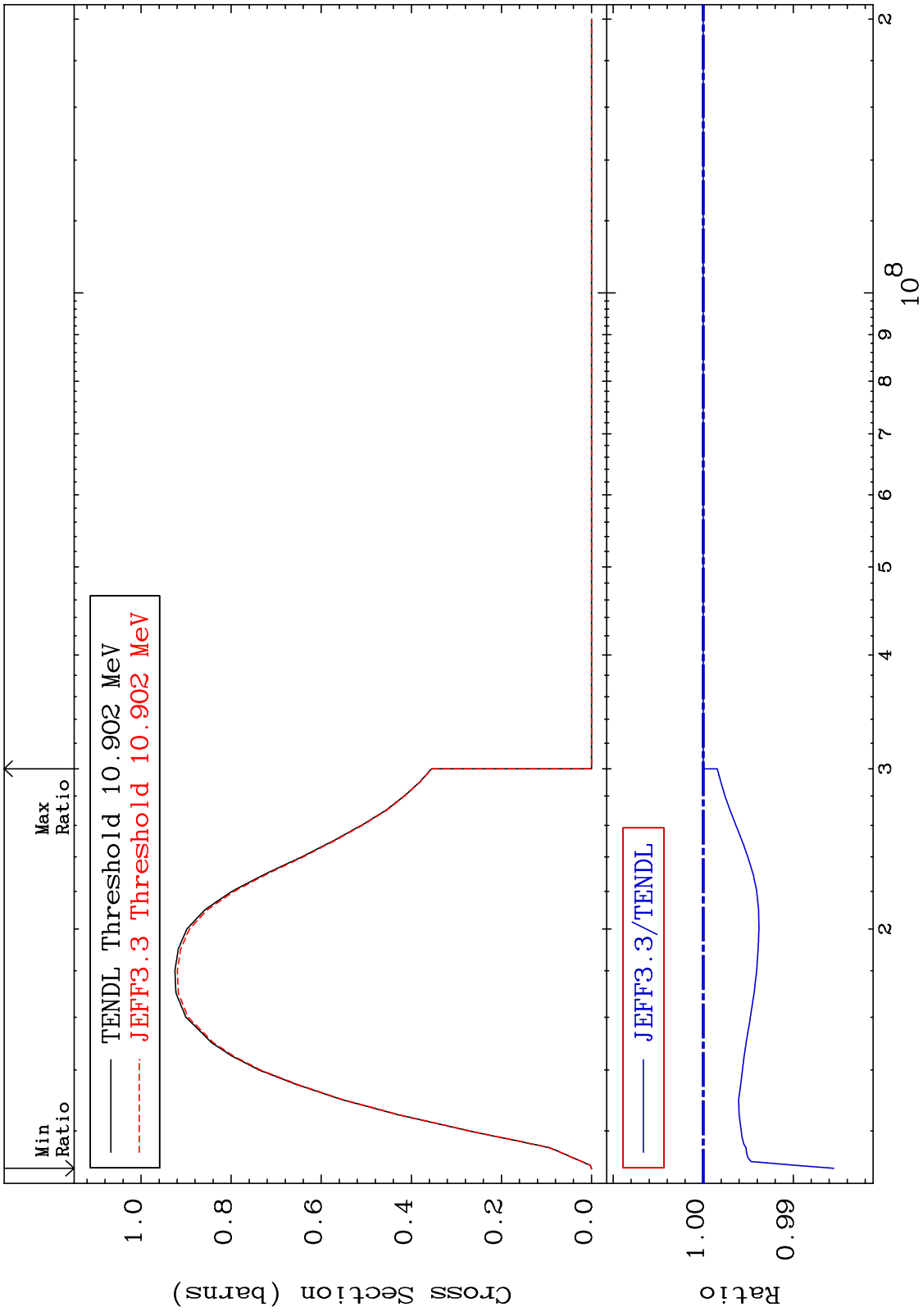
MAT 3231 Inelastic Cross Section 32-Ge-72 -0.173 To 0.010 %



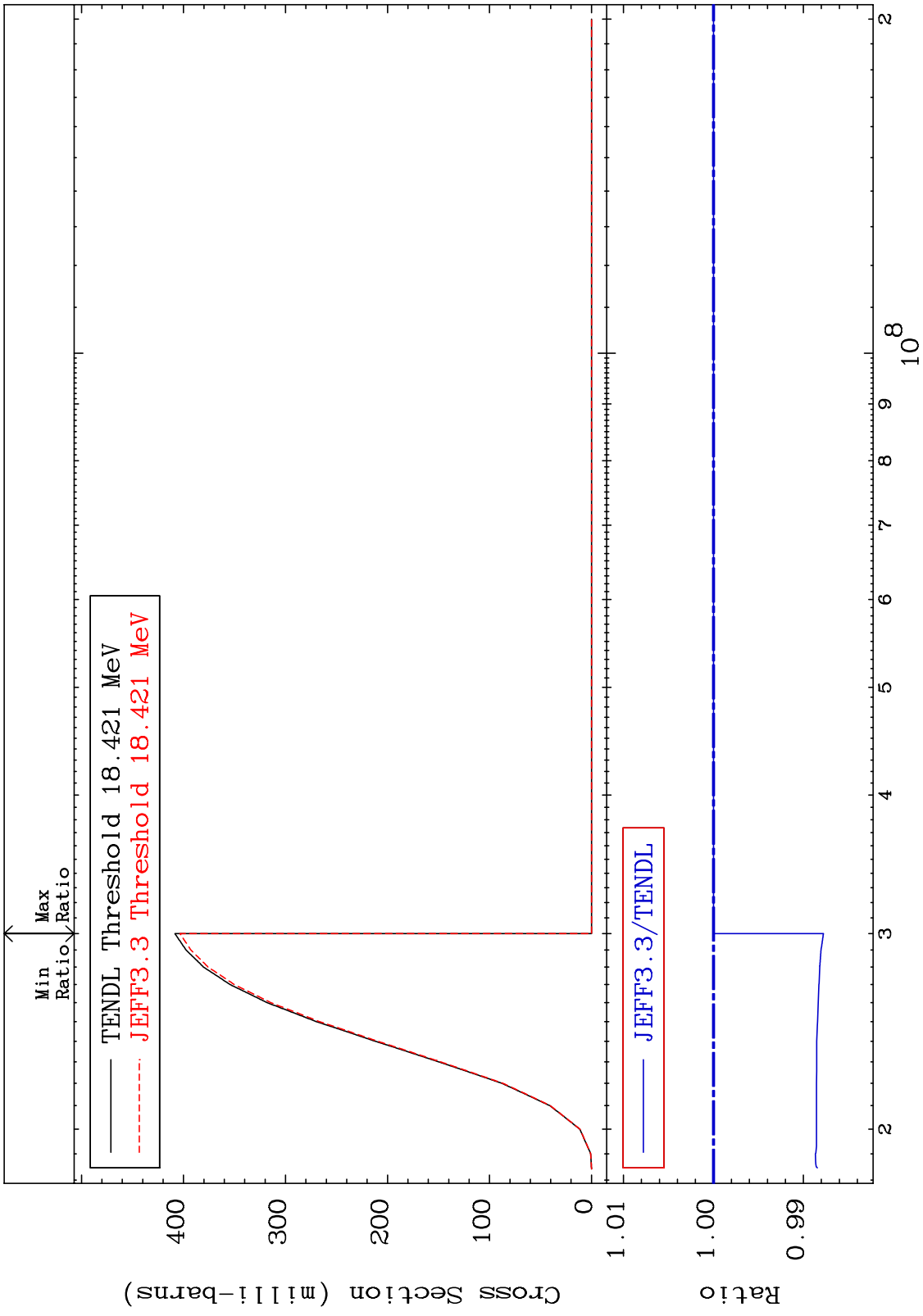
32-Ge-72

MAT 3231 (n,2n) d 32-Ge-72
 Cross Section -0.846 To 0.000 %

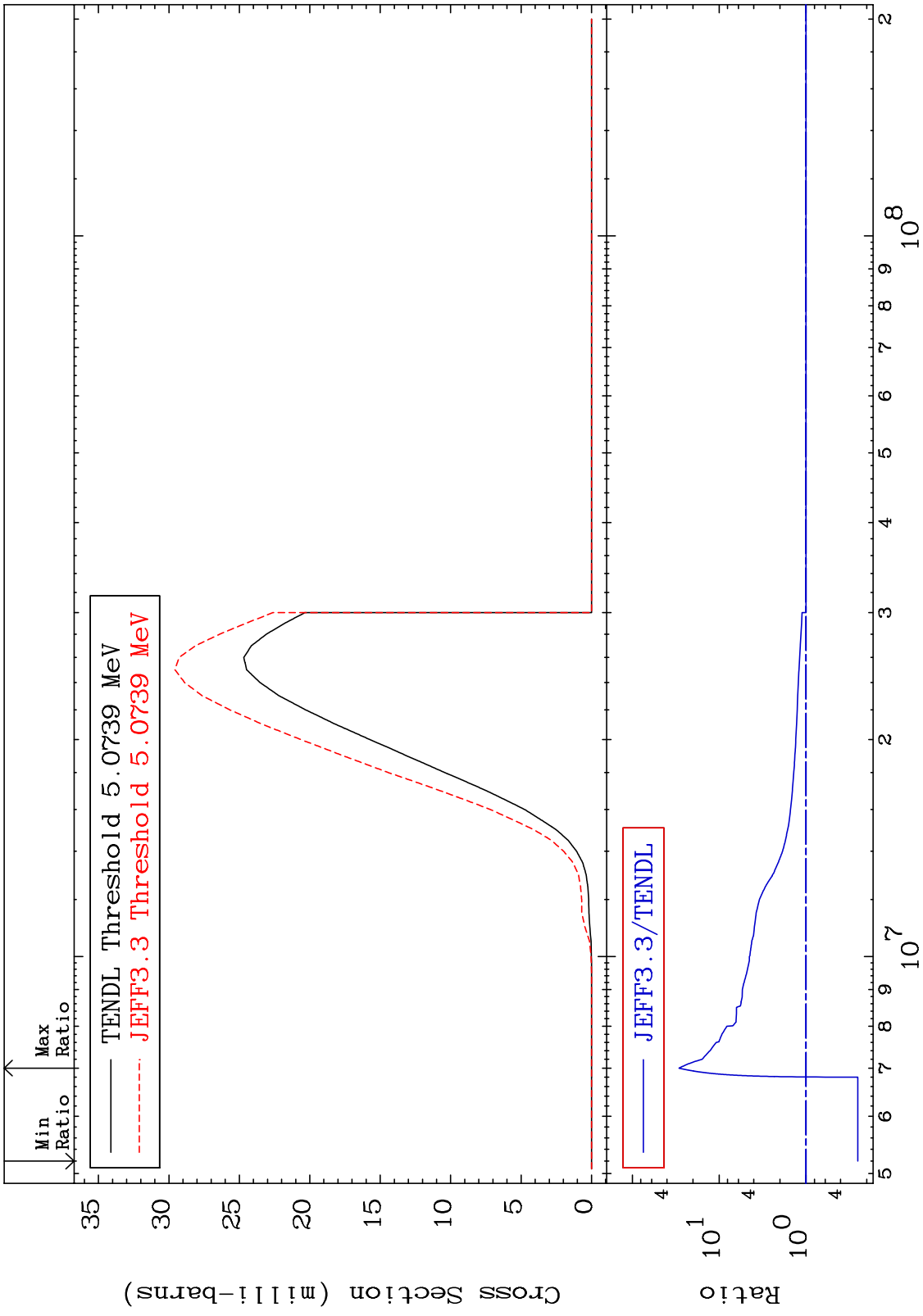




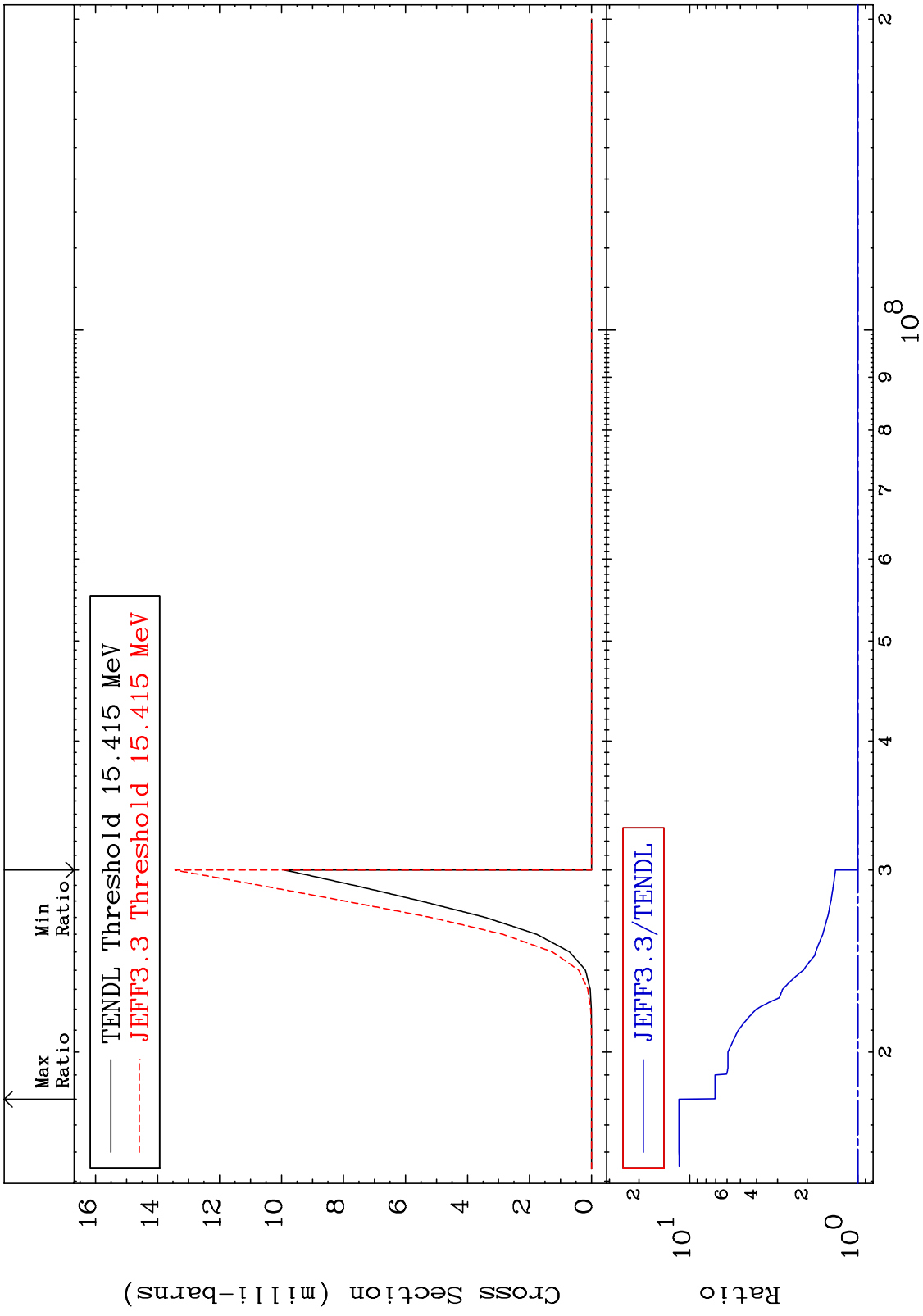
MAT 3231 (n,3n) Cross Section 32-Ge-72
 -1.223 To 0.000 %



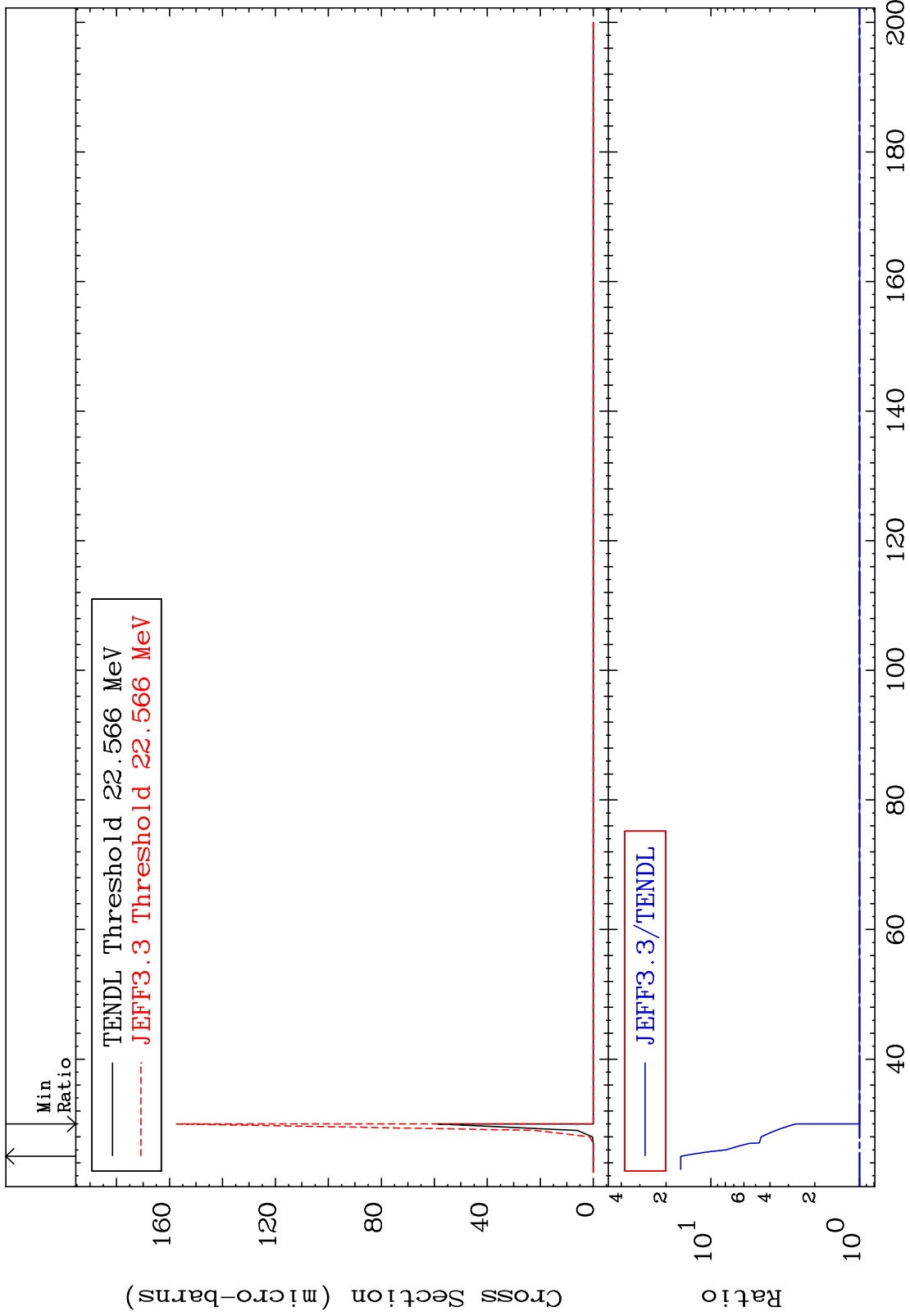
MAT 3231 $(n, n') \alpha$ Cross Section 32-Ge-72
 -74.68 To 2798. %



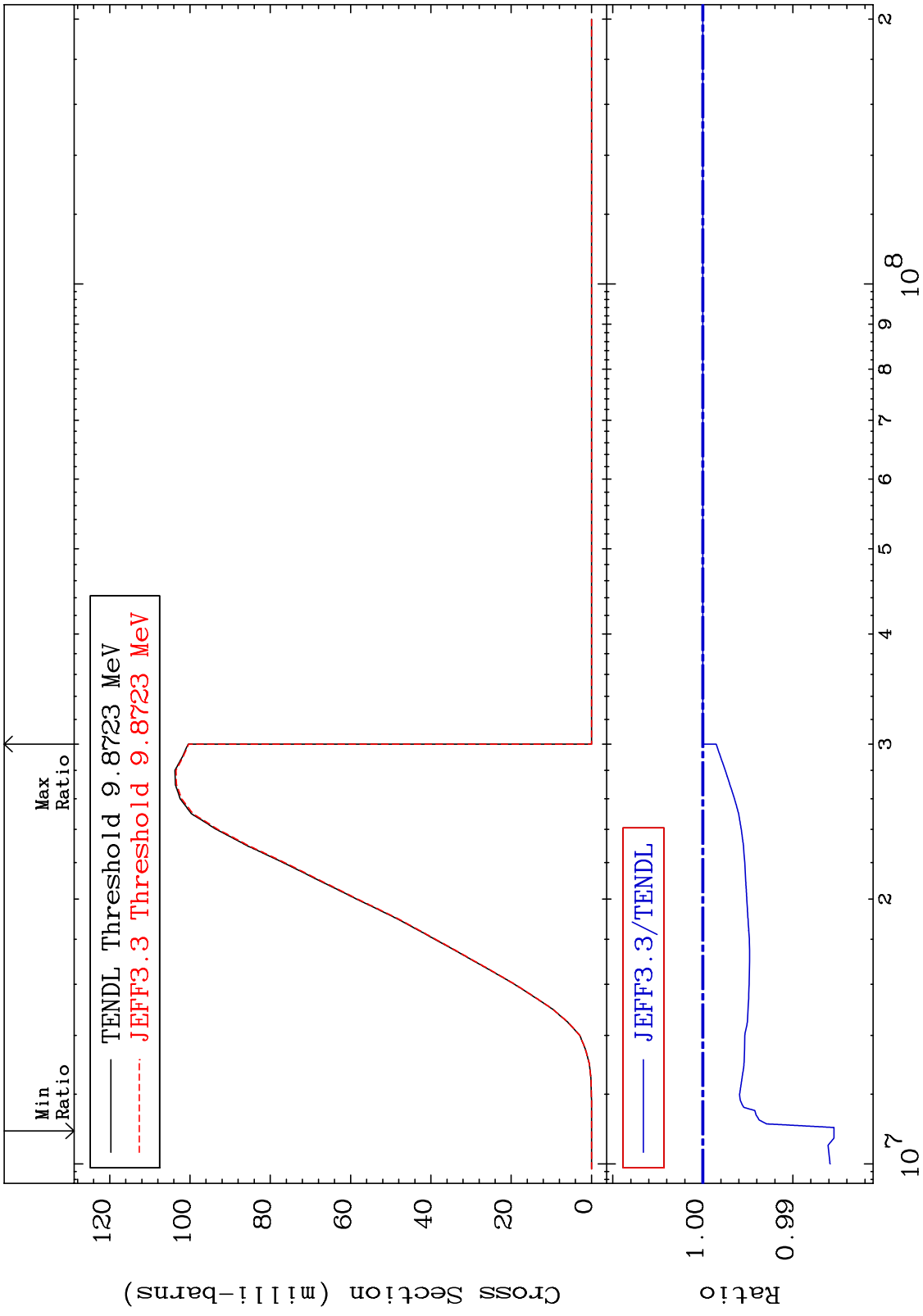
MAT 3231 $(n, 2n) \alpha$ 32-Ge-72
 Cross Section 0.000 To 1057. %



MAT 3231 (n,3n) α 32-Ge-72
Cross Section 0.000 To 1491. %

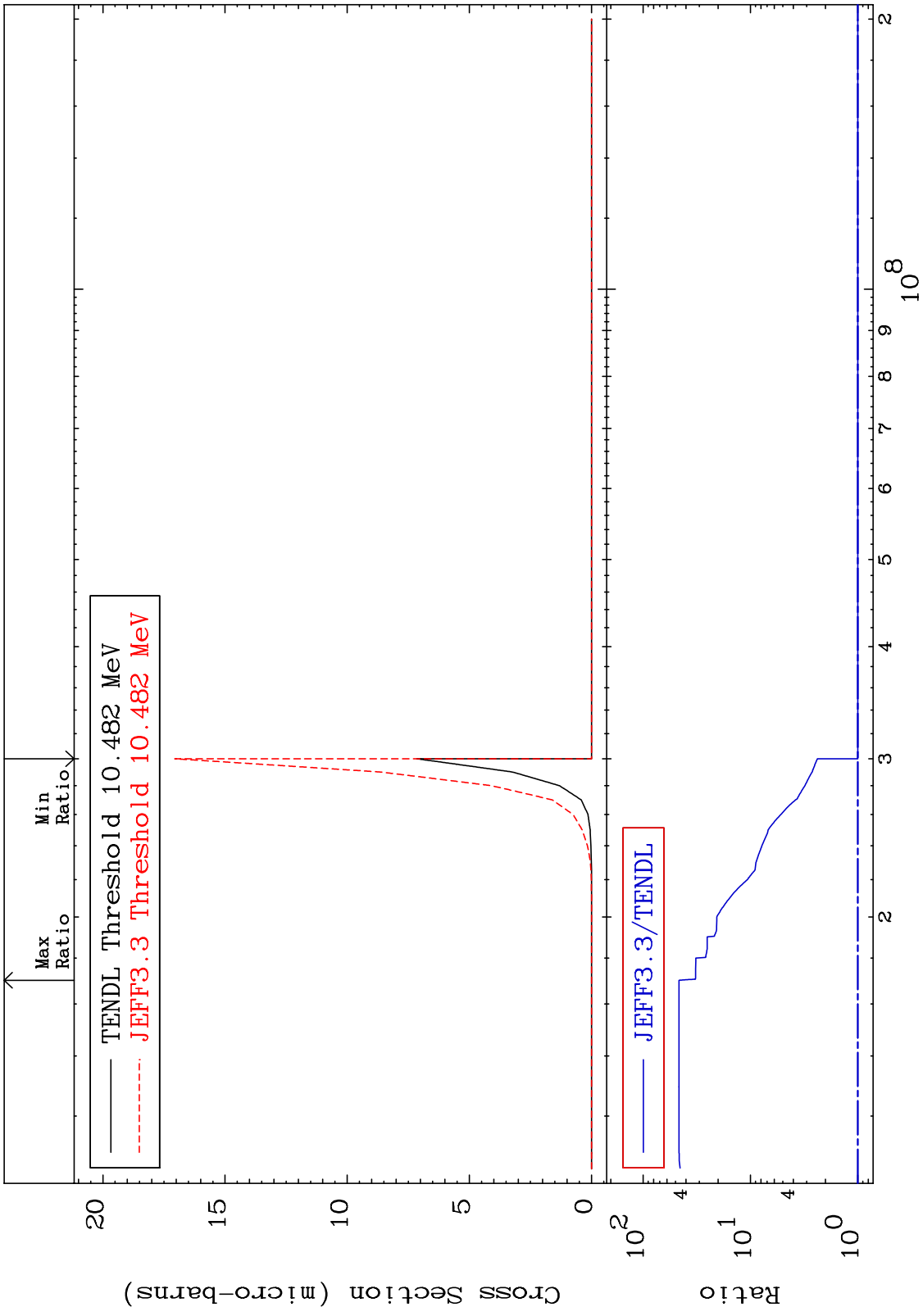


MAT 3231 (n, n') p $^{32}\text{Ge-72}$
 Cross Section -1.457 To 0.000 %

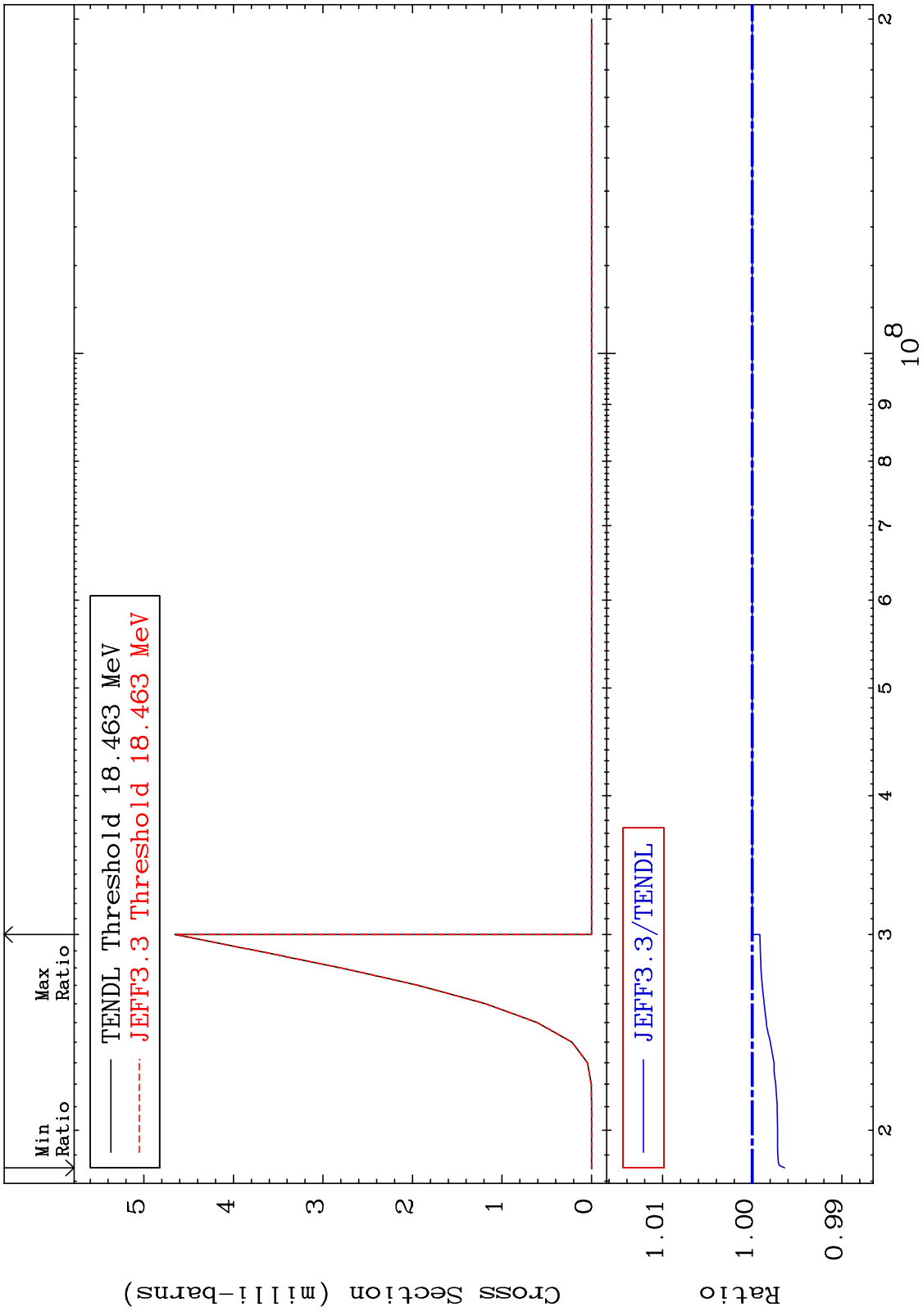


$^{32}\text{Ge-72}$

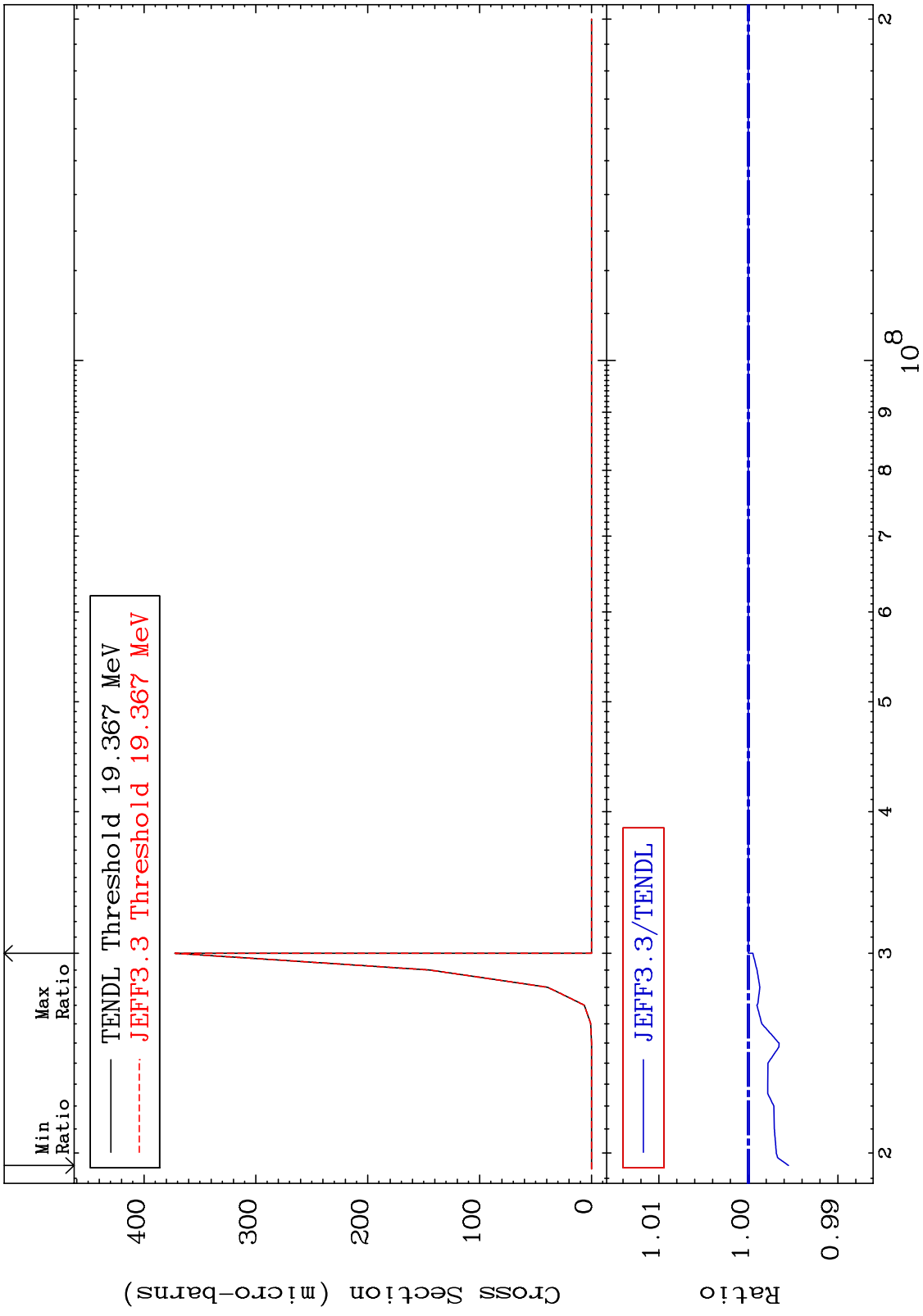
MAT 3231 $(n, n') 2\alpha$ Cross Section $^{32}\text{Ge-72}$ To 4533. %



MAT 3231 (n,n') t 32-Ge-72
 Cross Section -0.362 To 0.000 %



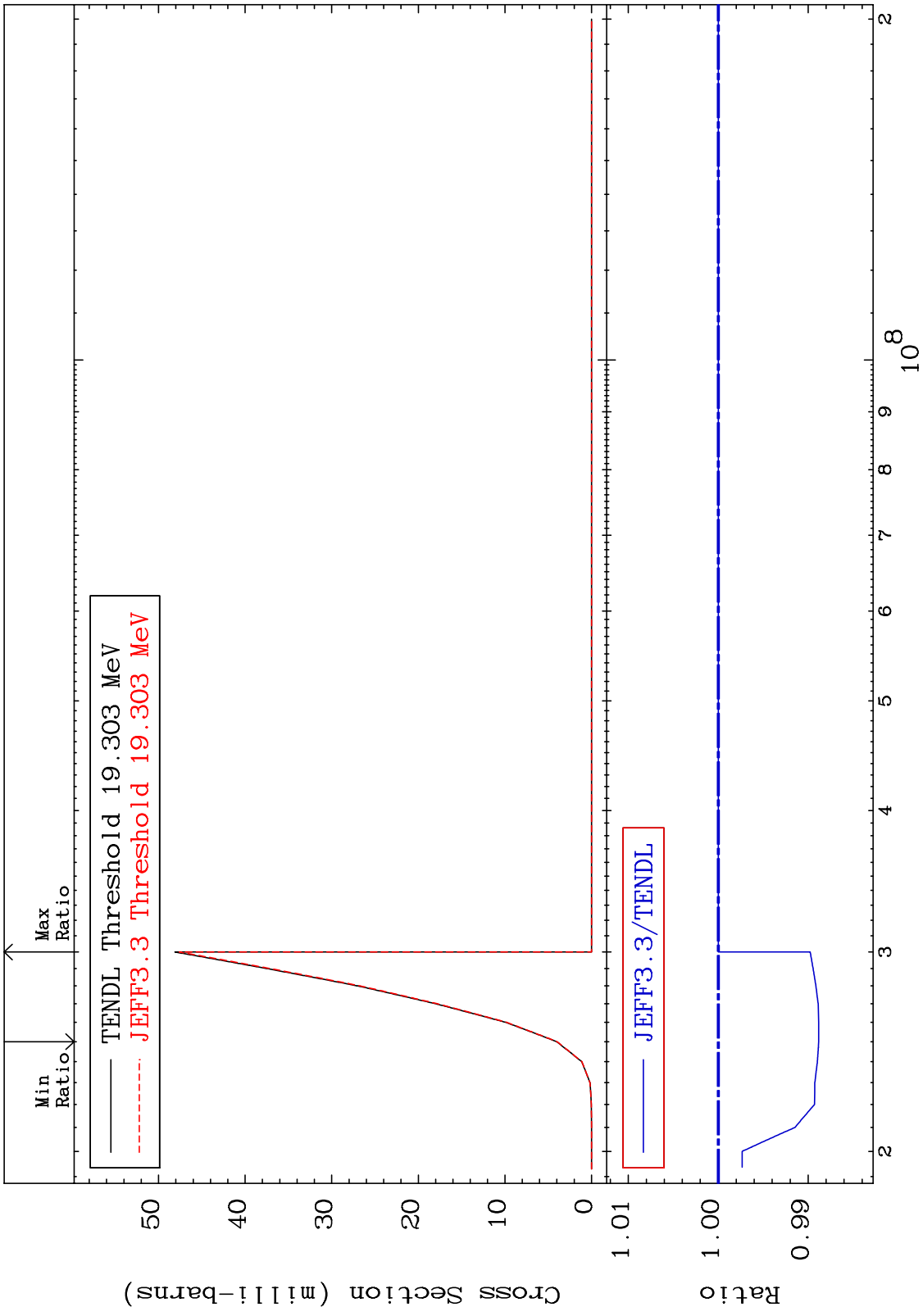
MAT 3231 (n, n') He-3 32-Ge-72
 Cross Section -0.448 To 0.000 %



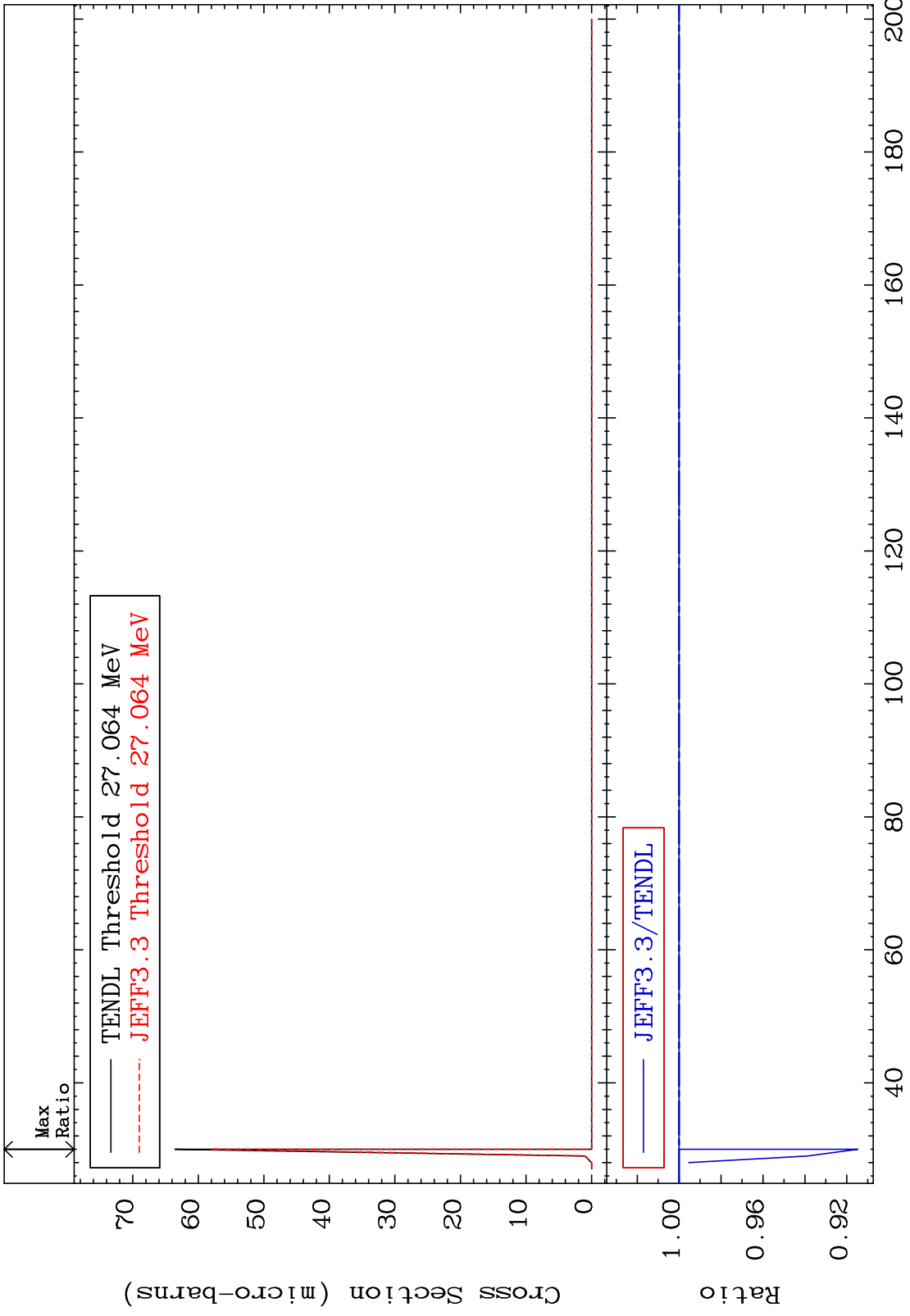
32-Ge-72

Incident Energy (eV)

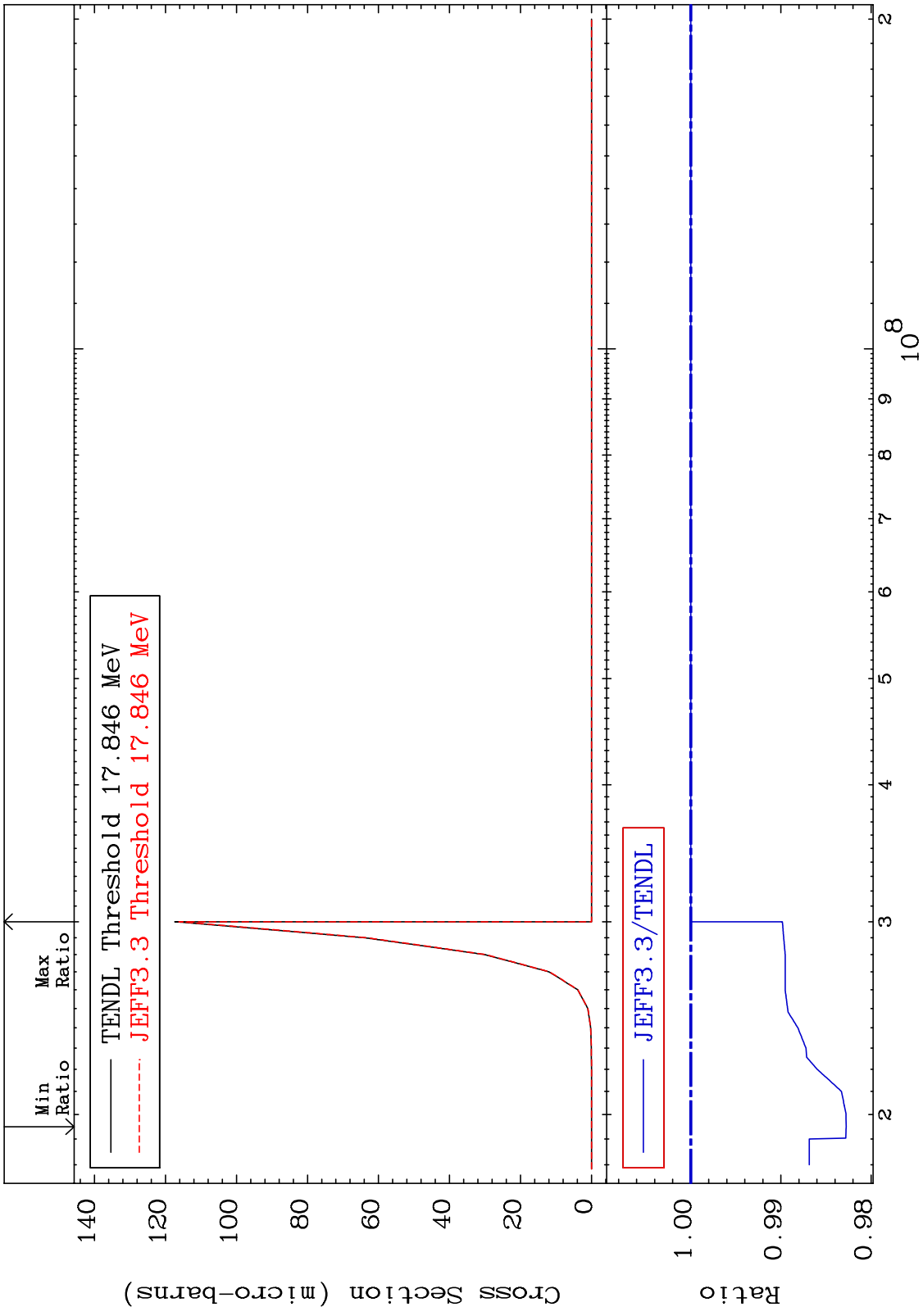
MAT 3231 (n,2n) p 32-Ge-72
 Cross Section -1.116 To 0.000 %



MAT 3231 (n,3n) p 32-Ge-72
Cross Section -8.530 To 0.000 %

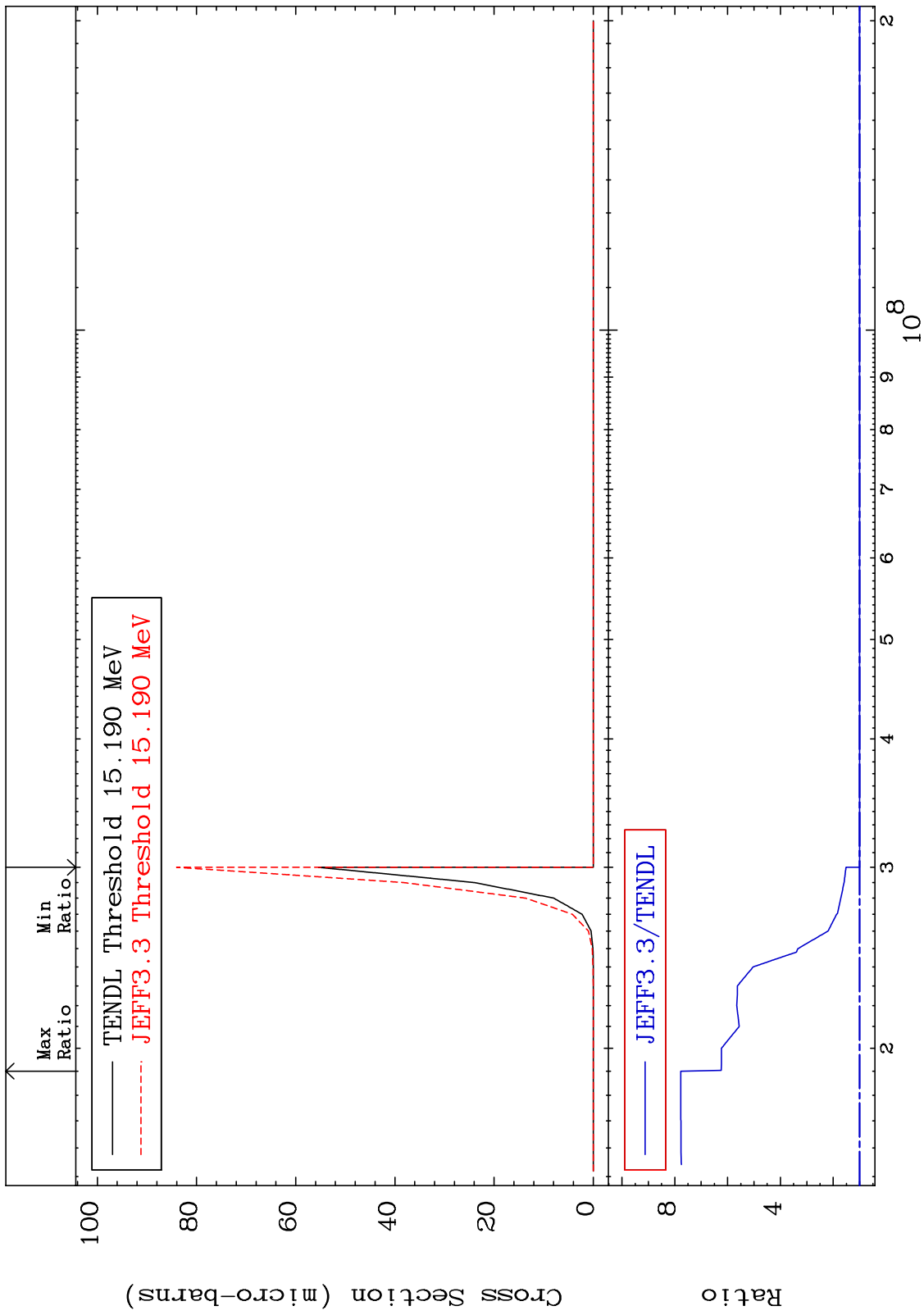


MAT 3231 (n,2n) p 32-Ge-72
 Cross Section -1.723 To 0.000 %

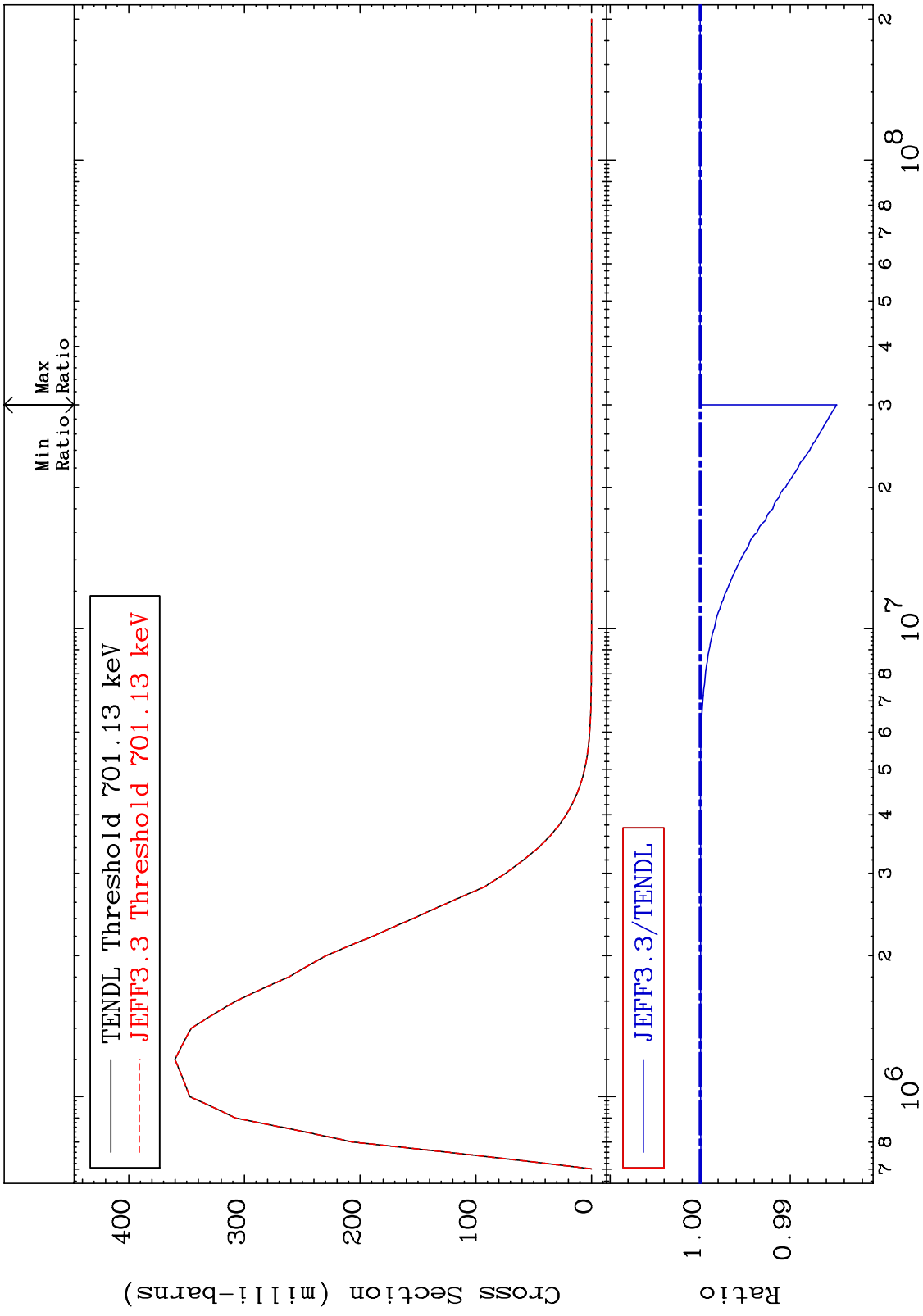


17 Incident Energy (eV) 32-Ge-72

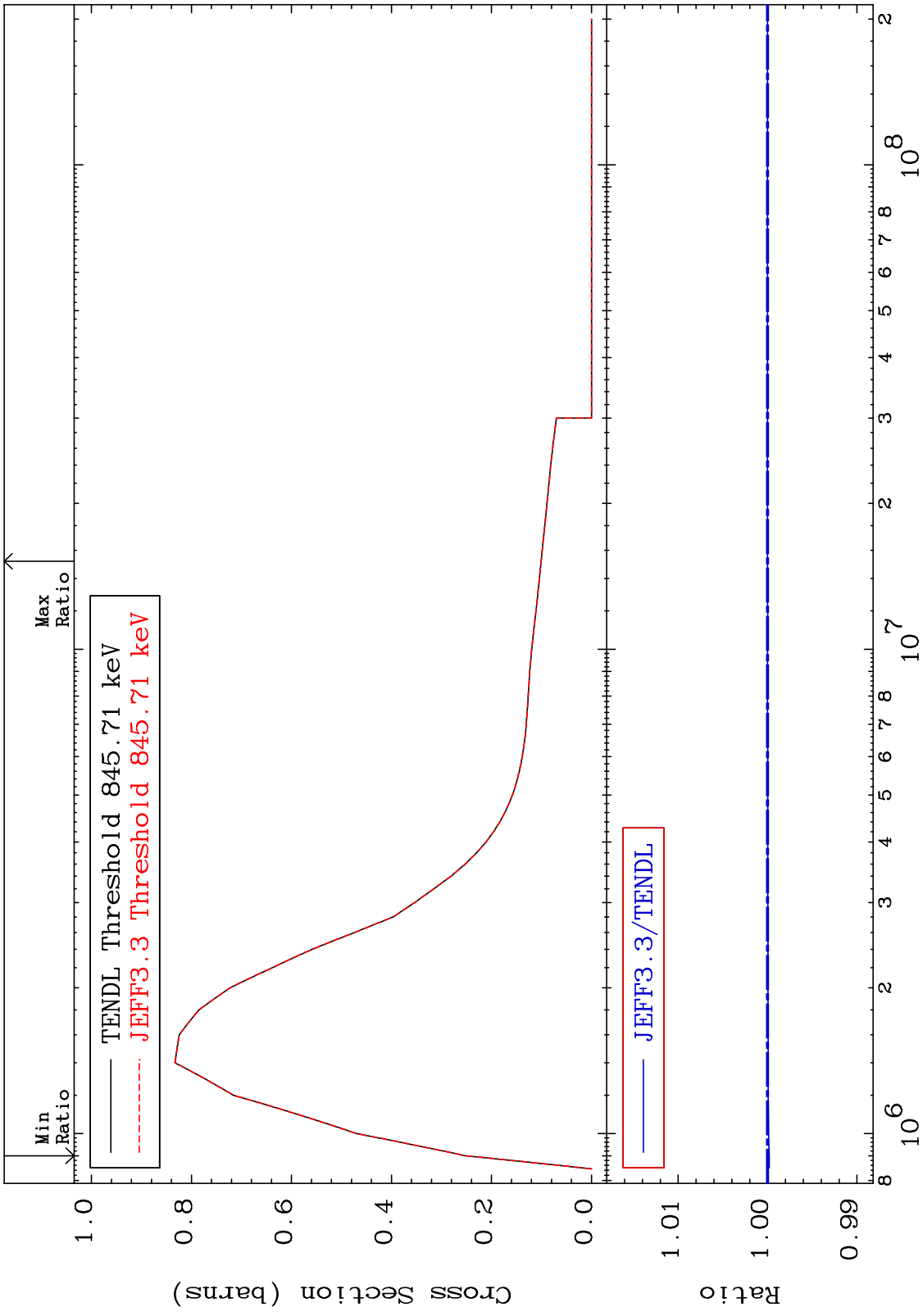
MAT 3231 (n, n') p α 32-Ge-72
 Cross Section 0.000 To 677.1 %



MAT 3231 MT= 51 (n,n') Level Cross Section -1.516 To 0.000 % 32-Ge-72

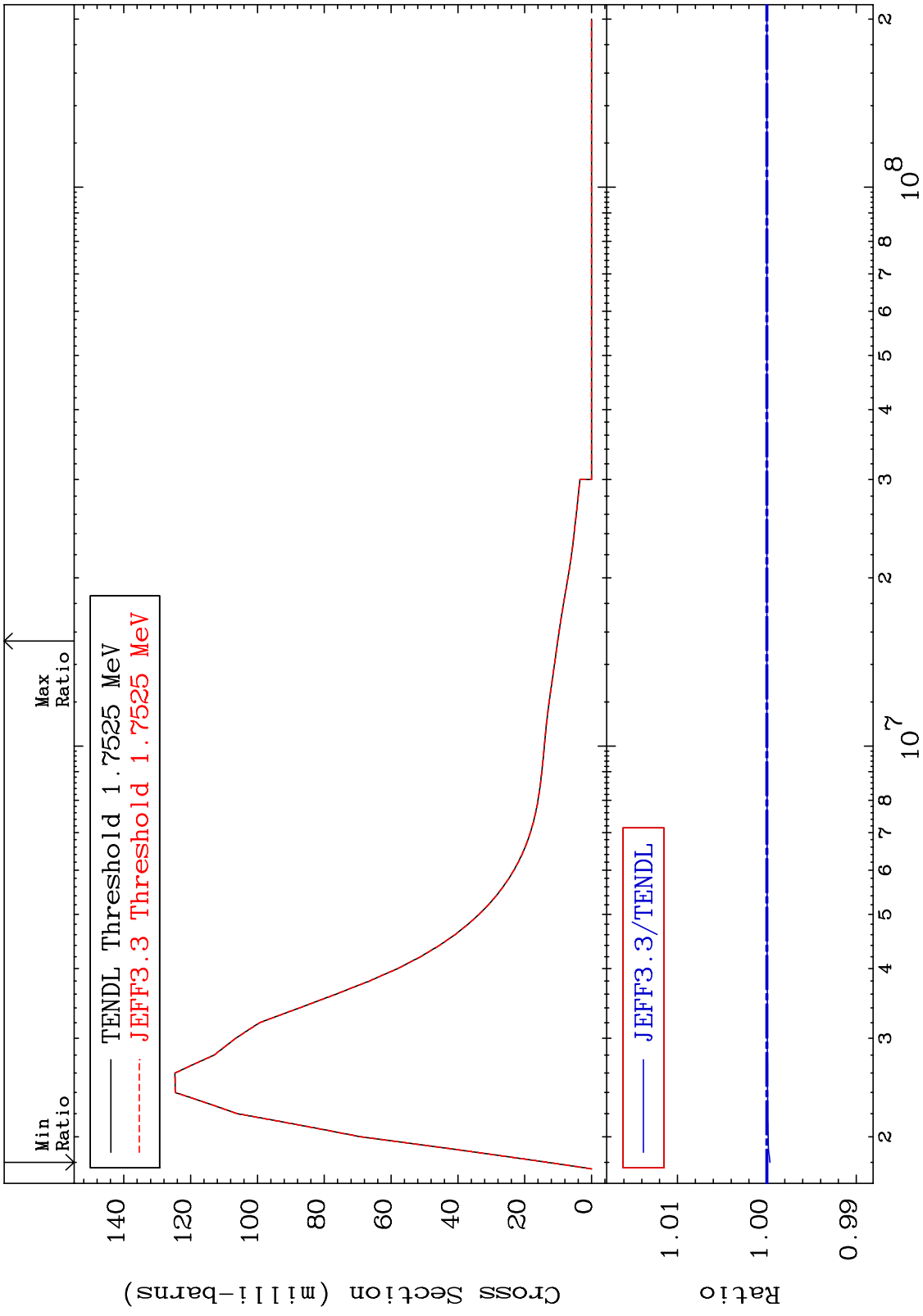


MAT 3231 MT= 52 (n,n') Level Cross Section -0.019 To 0.000 % 32-Ge-72



20 Incident Energy (eV) 32-Ge-72

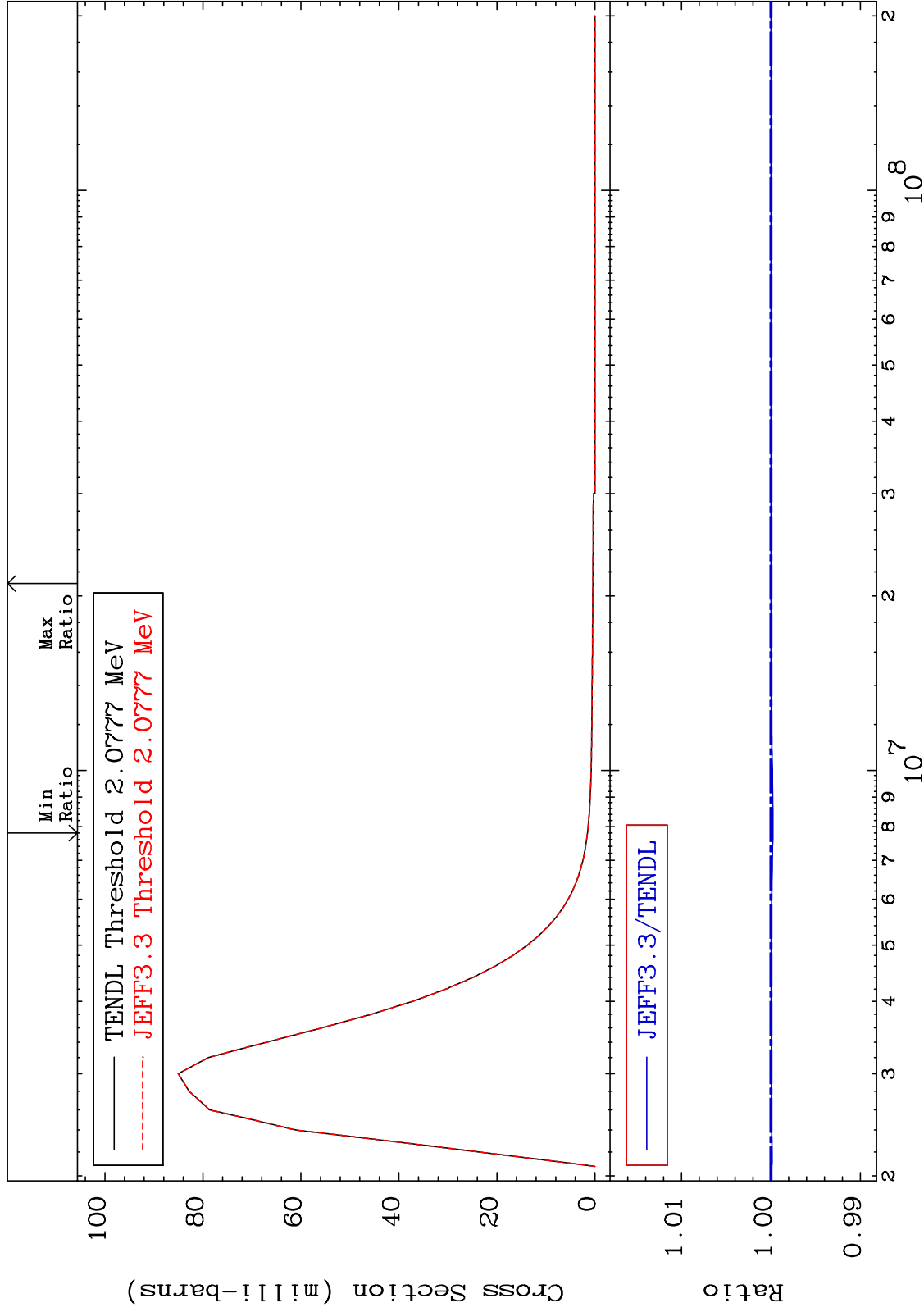
MAT 3231 MT= 54 (n,n') Level Cross Section 32-Ge-72
 -0.035 To 0.000 %



MAT 3231

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

32-Ge-72
-0.022 To 0.000 %



22

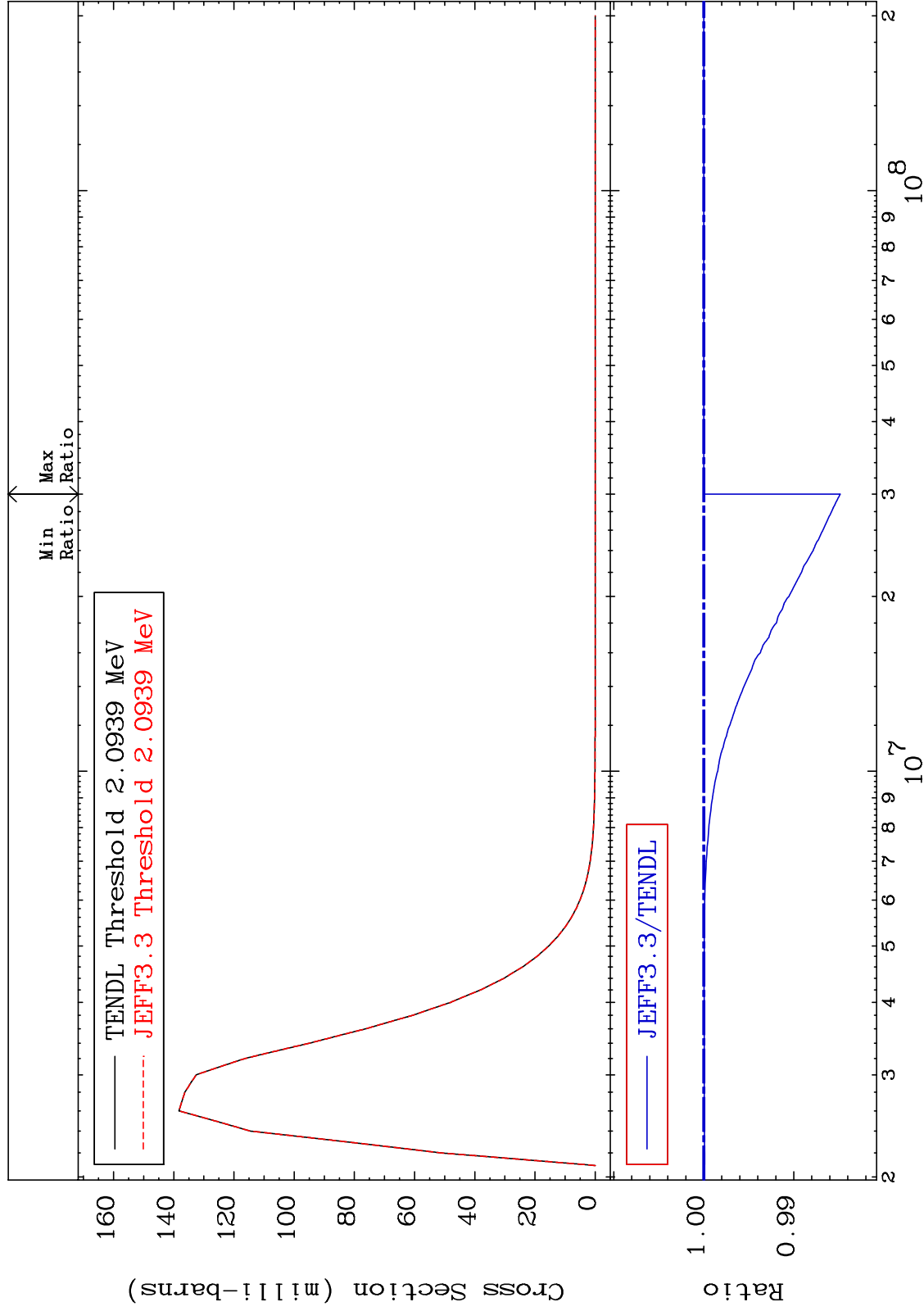
Incident Energy (eV)

32-Ge-72

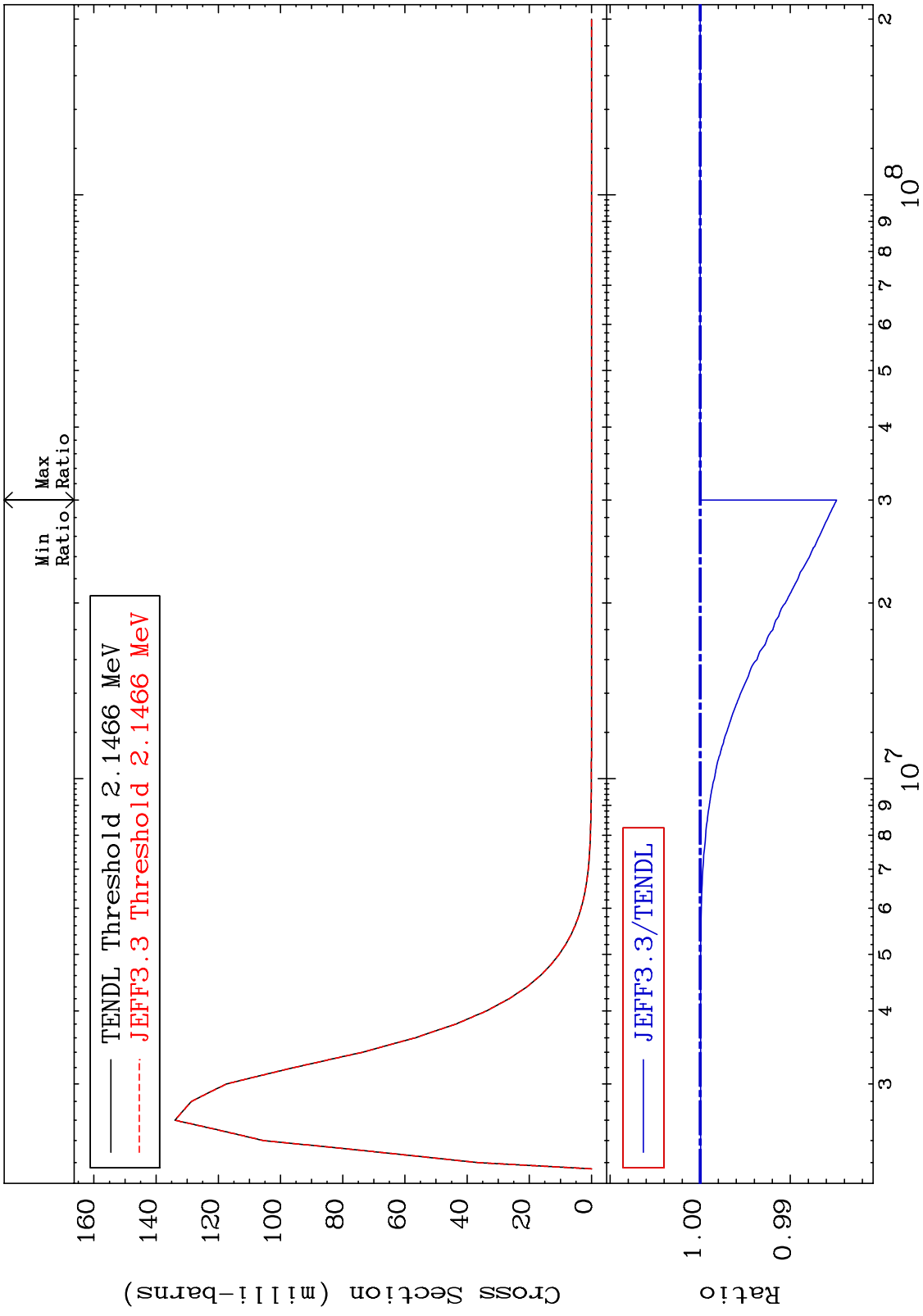
MAT 3231

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

32-Ge-72
-1.516 To 0.000 %



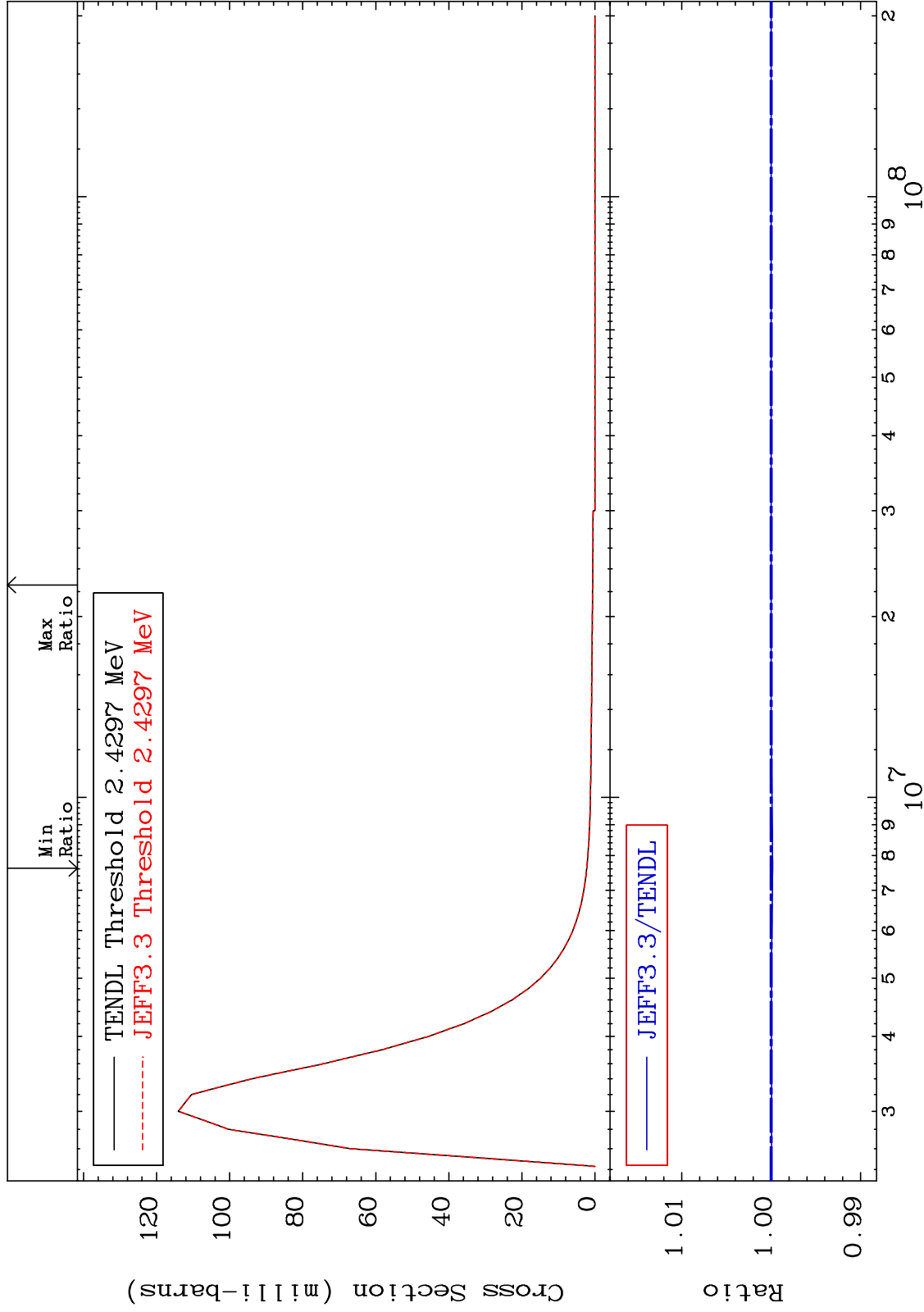
MAT 3231 MT= 58 (n,n') Level Cross Section -1.514 To 0.000 % 32-Ge-72



MAT 3231

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

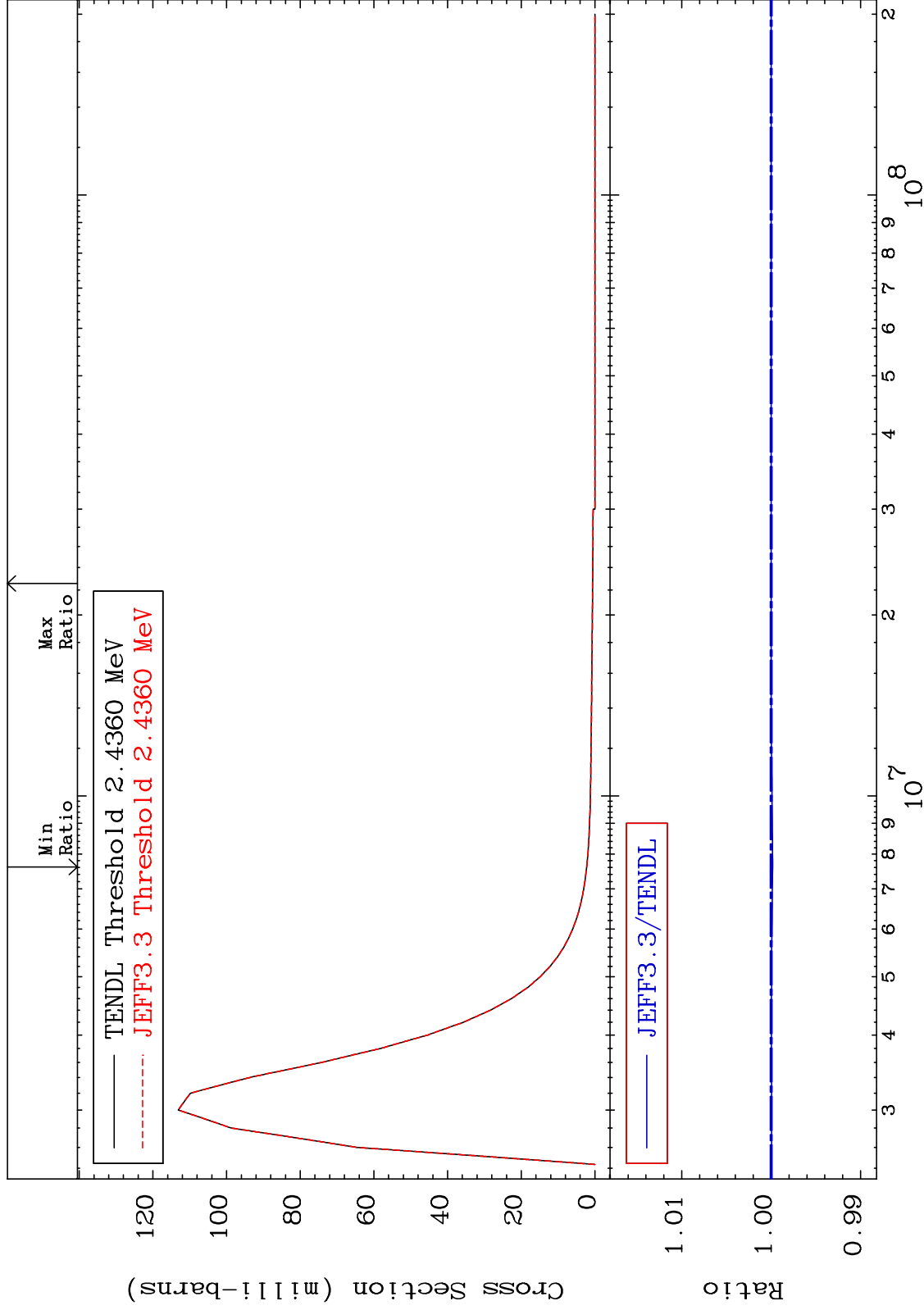
32-Ge-72
-0.016 To 0.000 %



MAT 3231

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

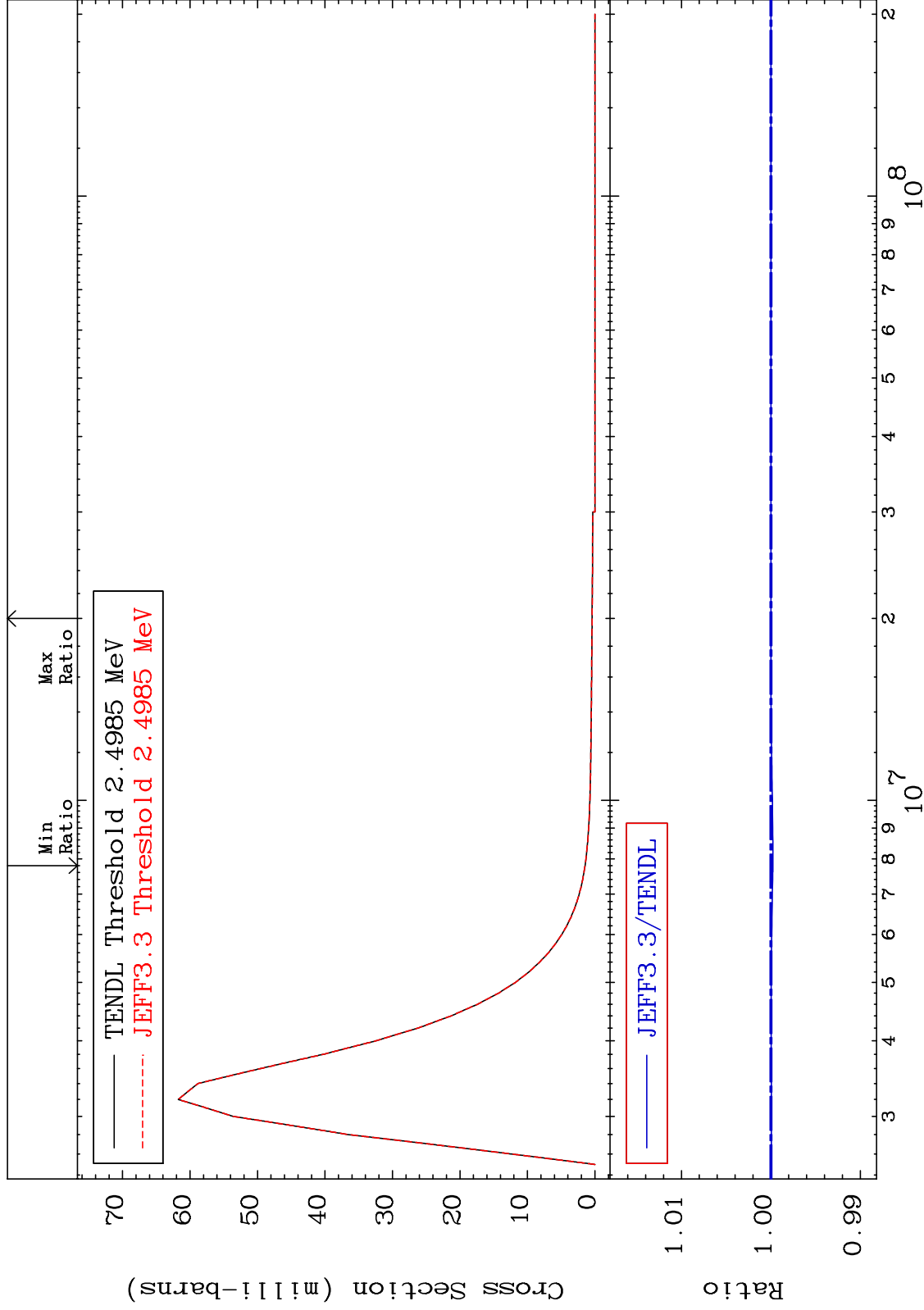
32-Ge-72
-0.016 To 0.000 %



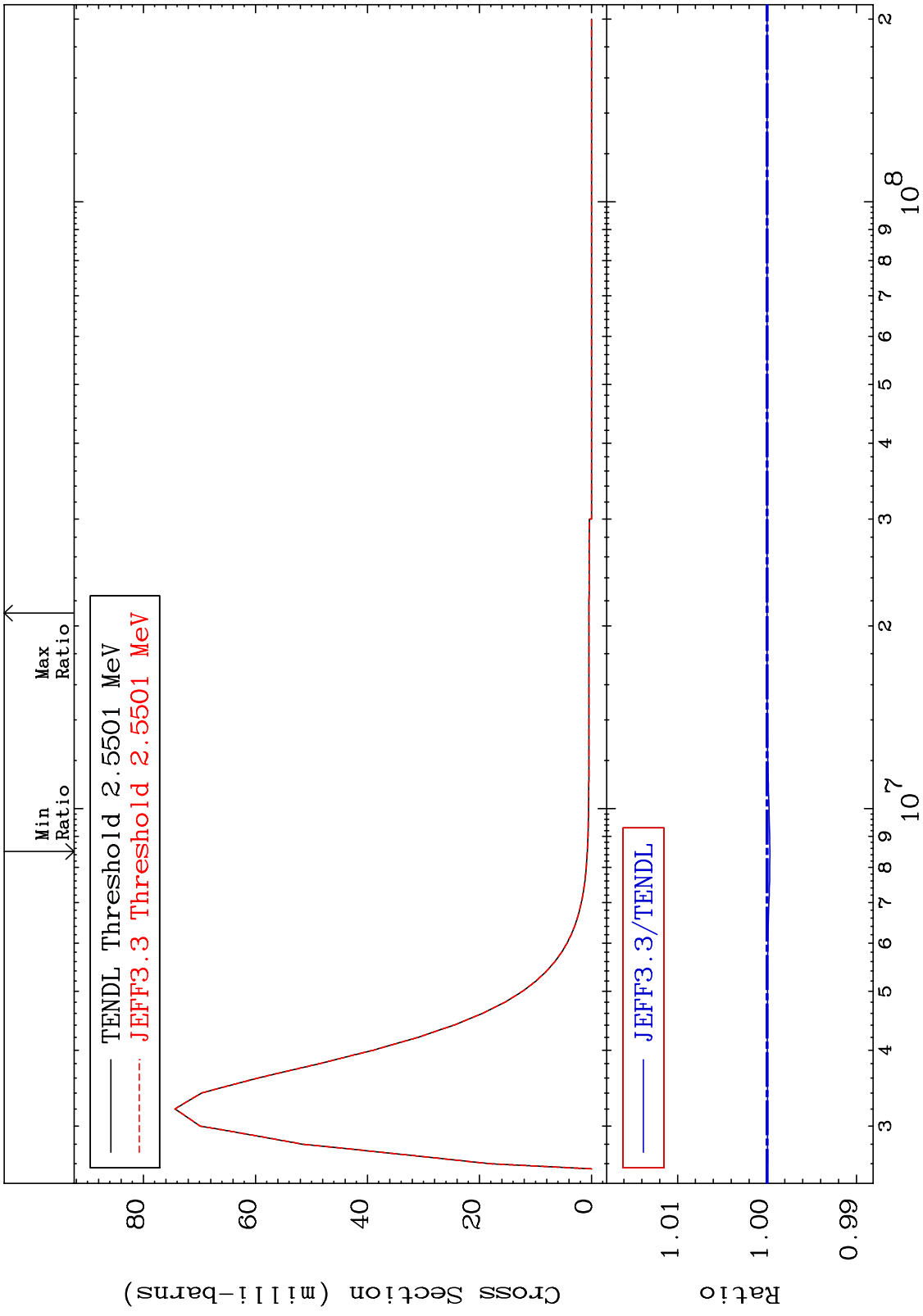
MAT 3231

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

32-Ge-72
-0.023 To 0.000 %



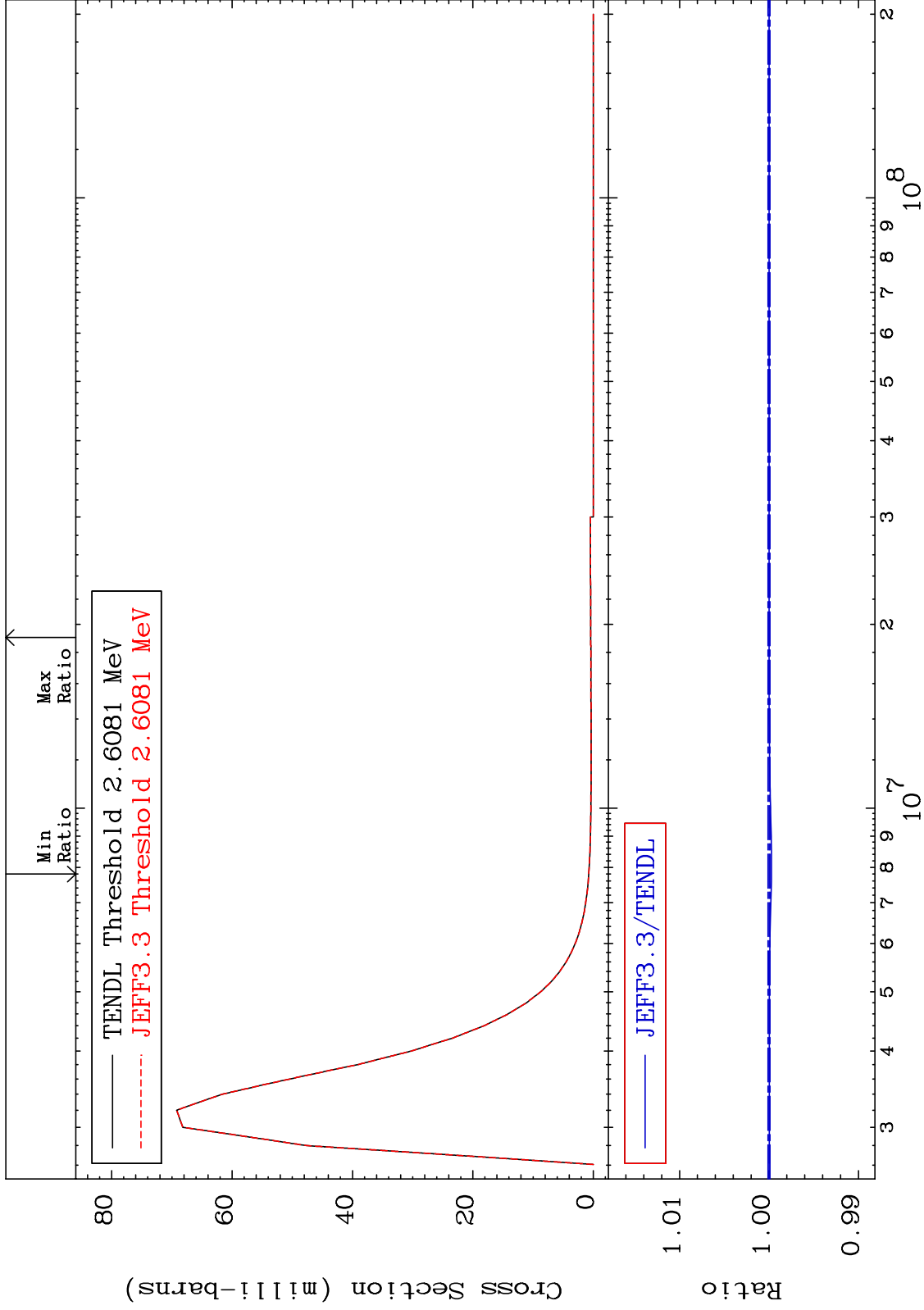
MAT 3231 MT= 63 (n,n') Level Cross Section 32-Ge-72
 -0.032 To 0.000 %



MAT 3231

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

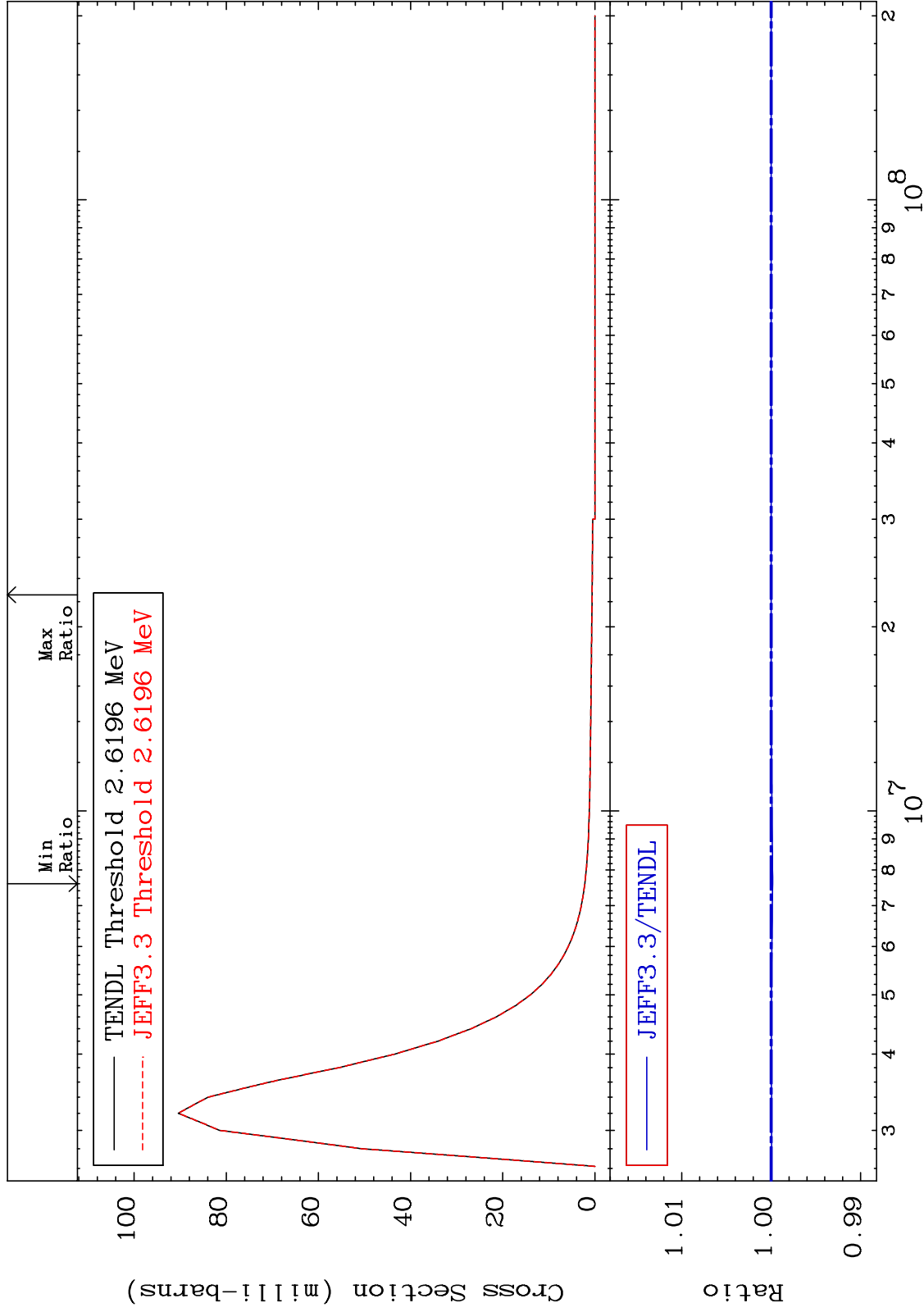
32-Ge-72
-0.028 To 0.000 %



MAT 3231

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

32-Ge-72
-0.016 To 0.000 %



30

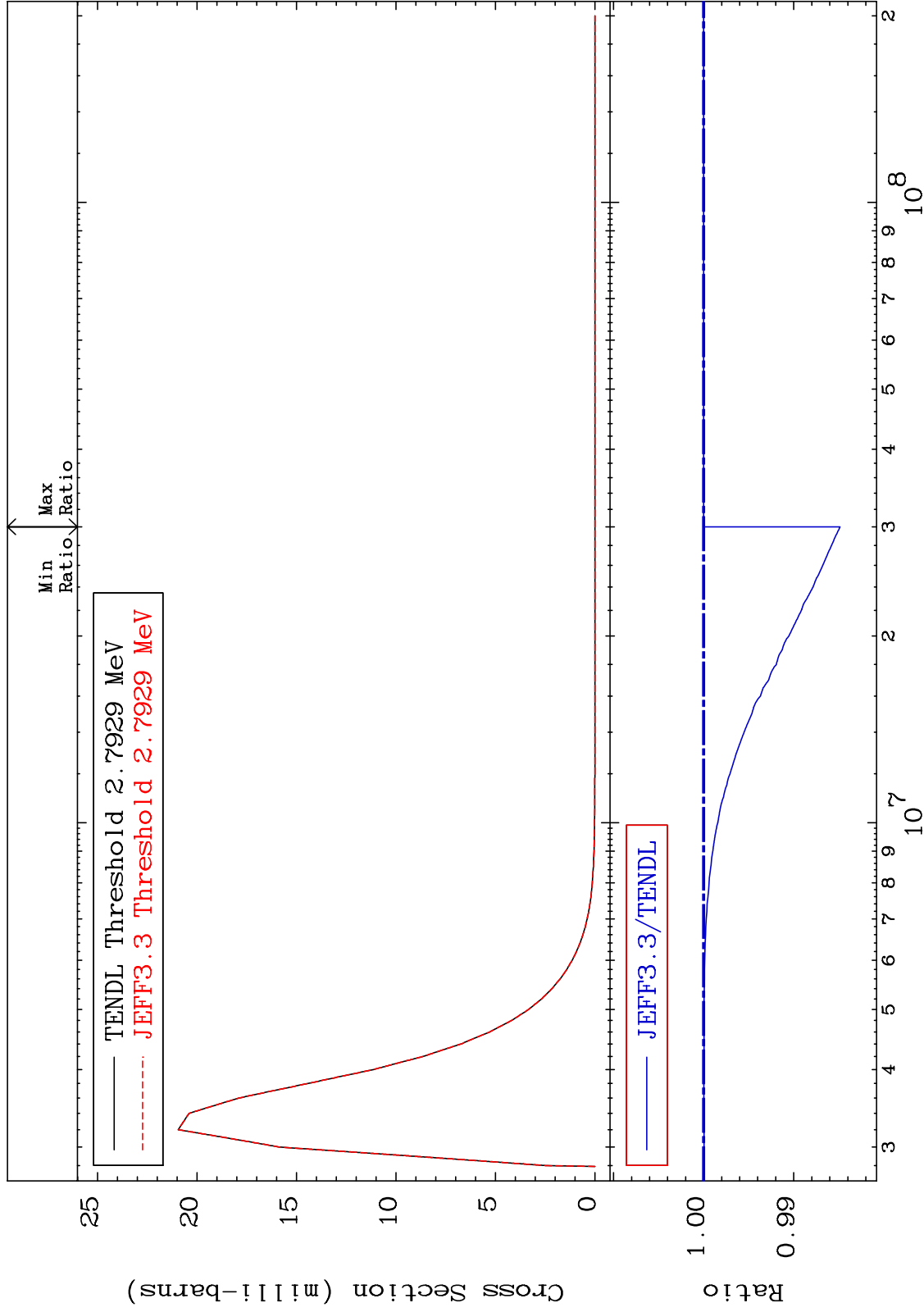
Incident Energy (eV)

32-Ge-72

MAT 3231

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

32-Ge-72
-1.515 To 0.000 %

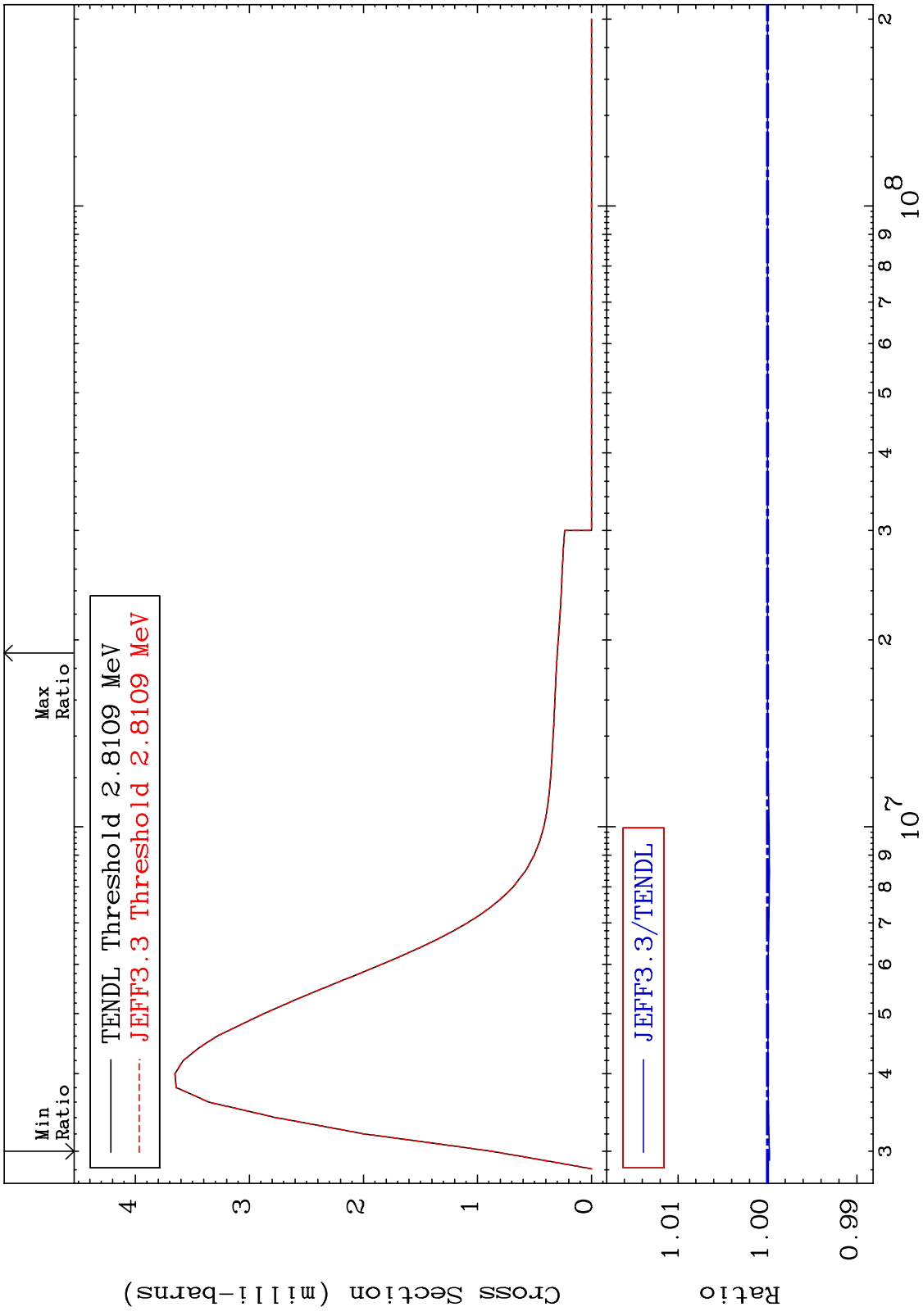


31

Incident Energy (eV)

32-Ge-72

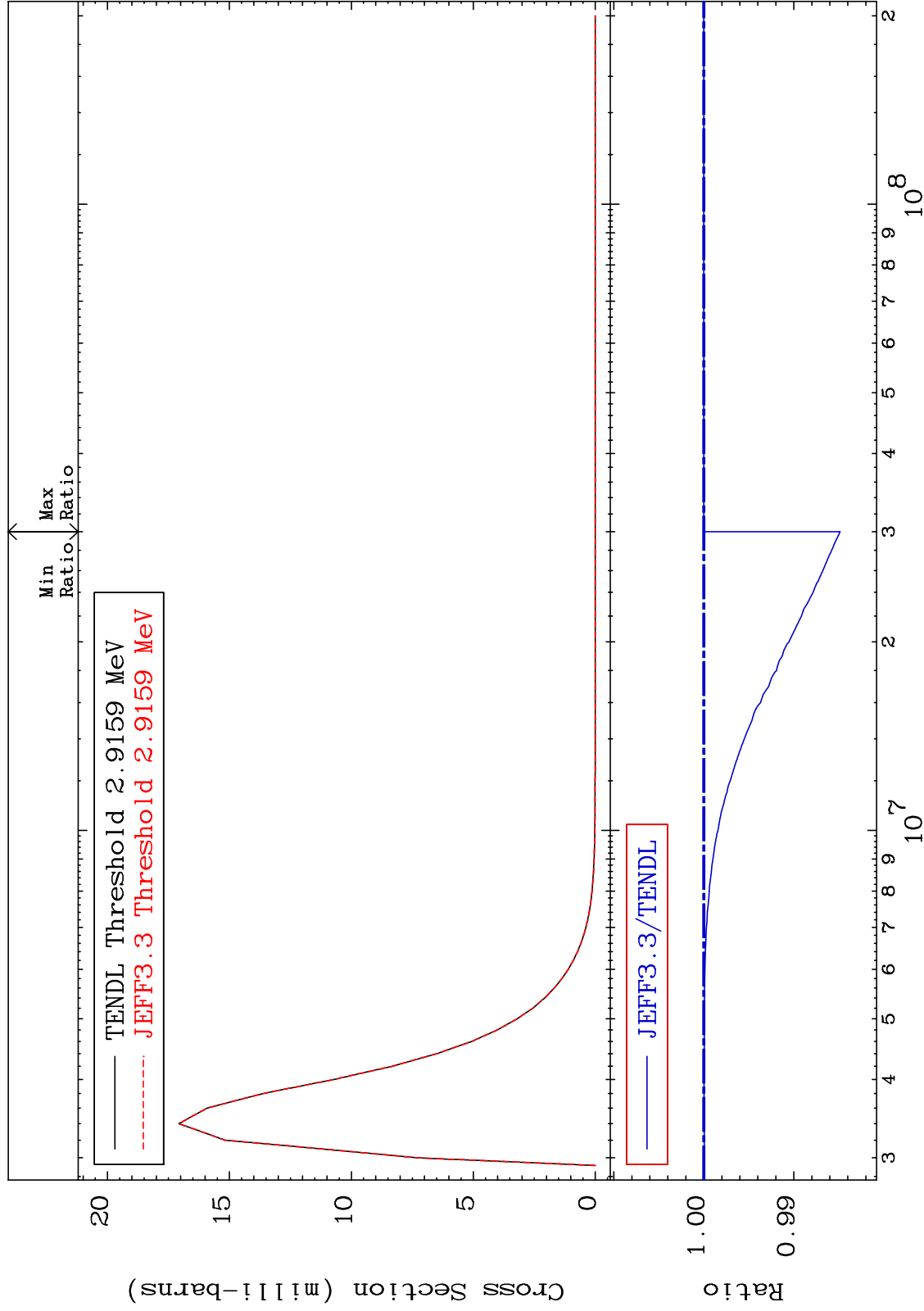
MAT 3231 MT= 67 (n,n') Level Cross Section 32-Ge-72
 -0.022 To 0.000 %



MAT 3231

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

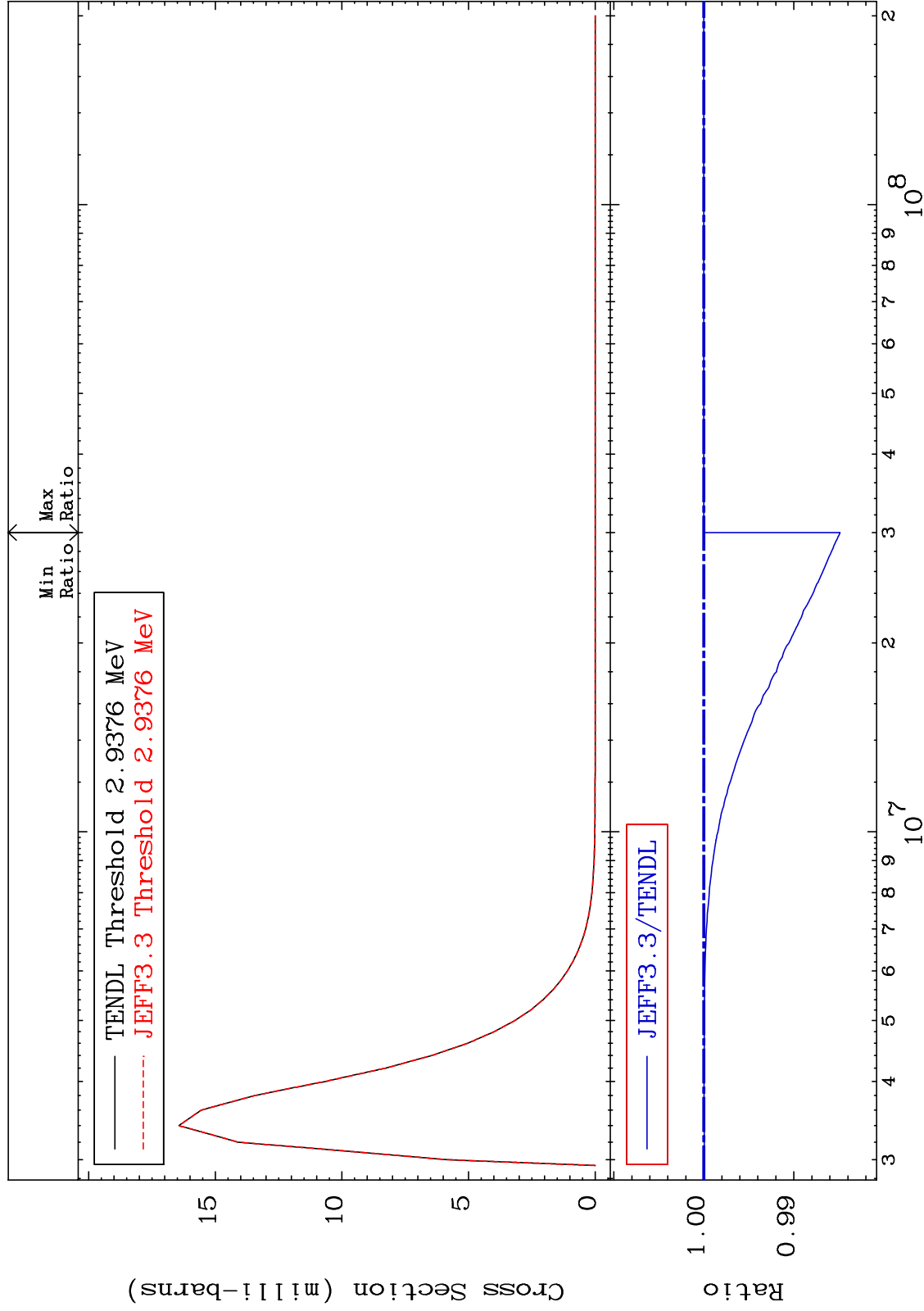
32-Ge-72
-1.515 To 0.000 %



MAT 3231

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

32-Ge-72
-1.515 To 0.000 %



34

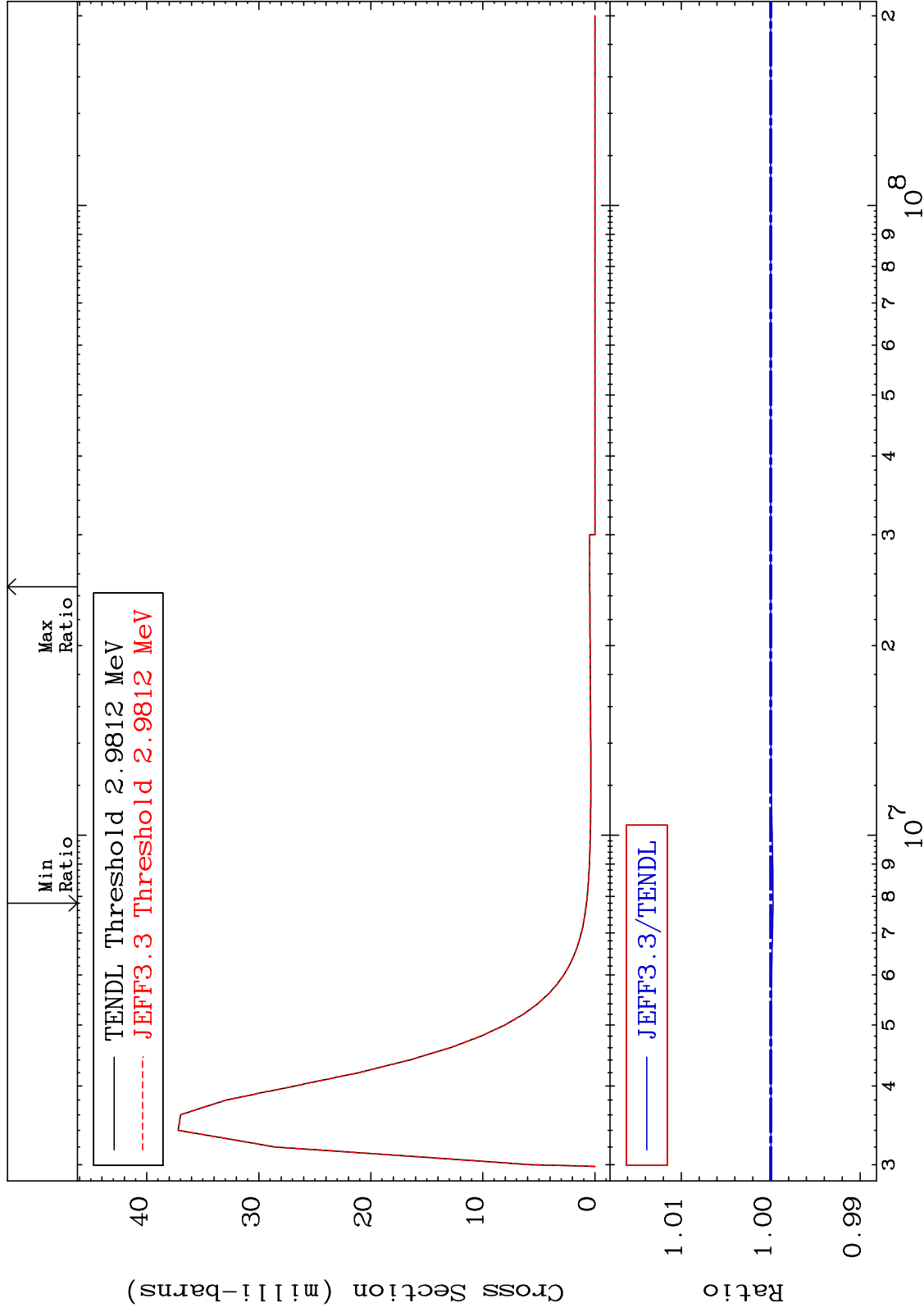
Incident Energy (eV)

32-Ge-72

MAT 3231

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

32-Ge-72
-0.027 To 0.000 %



35

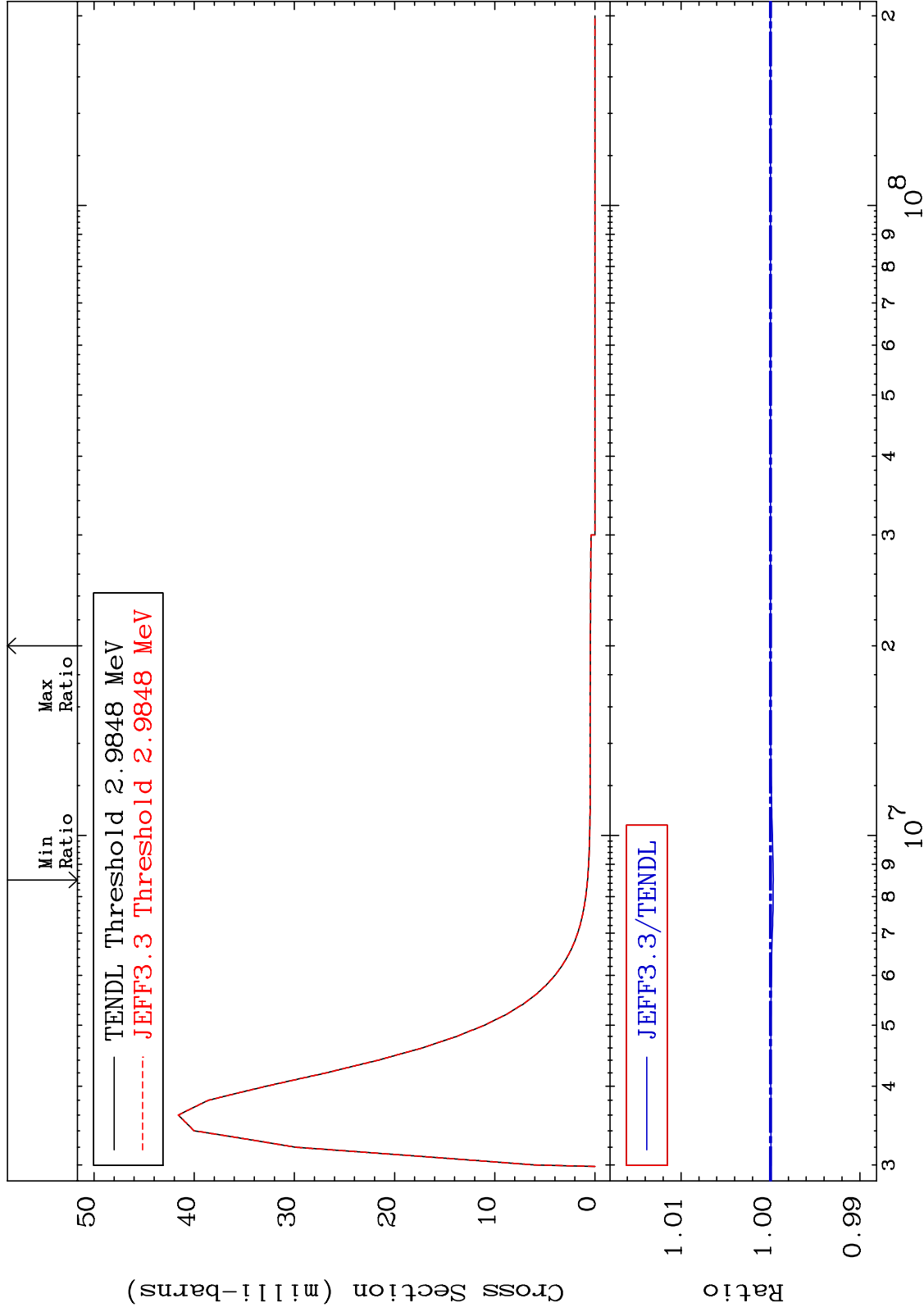
32-Ge-72

32-Ge-72

MAT 3231

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

32-Ge-72
-0.031 To 0.000 %



36

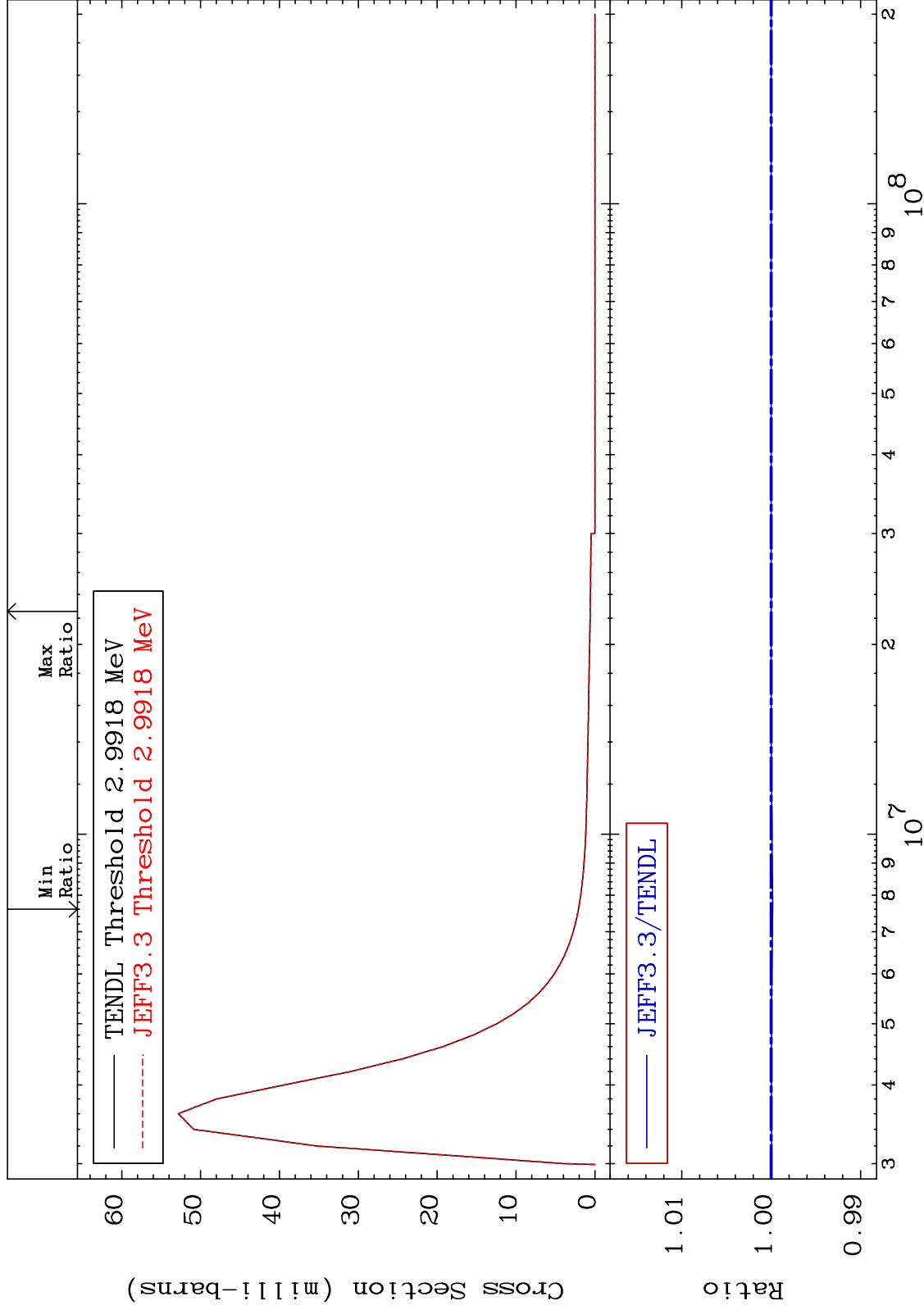
Incident Energy (eV)

32-Ge-72

MAT 3231

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

32-Ge-72
-0.016 To 0.000 %



37

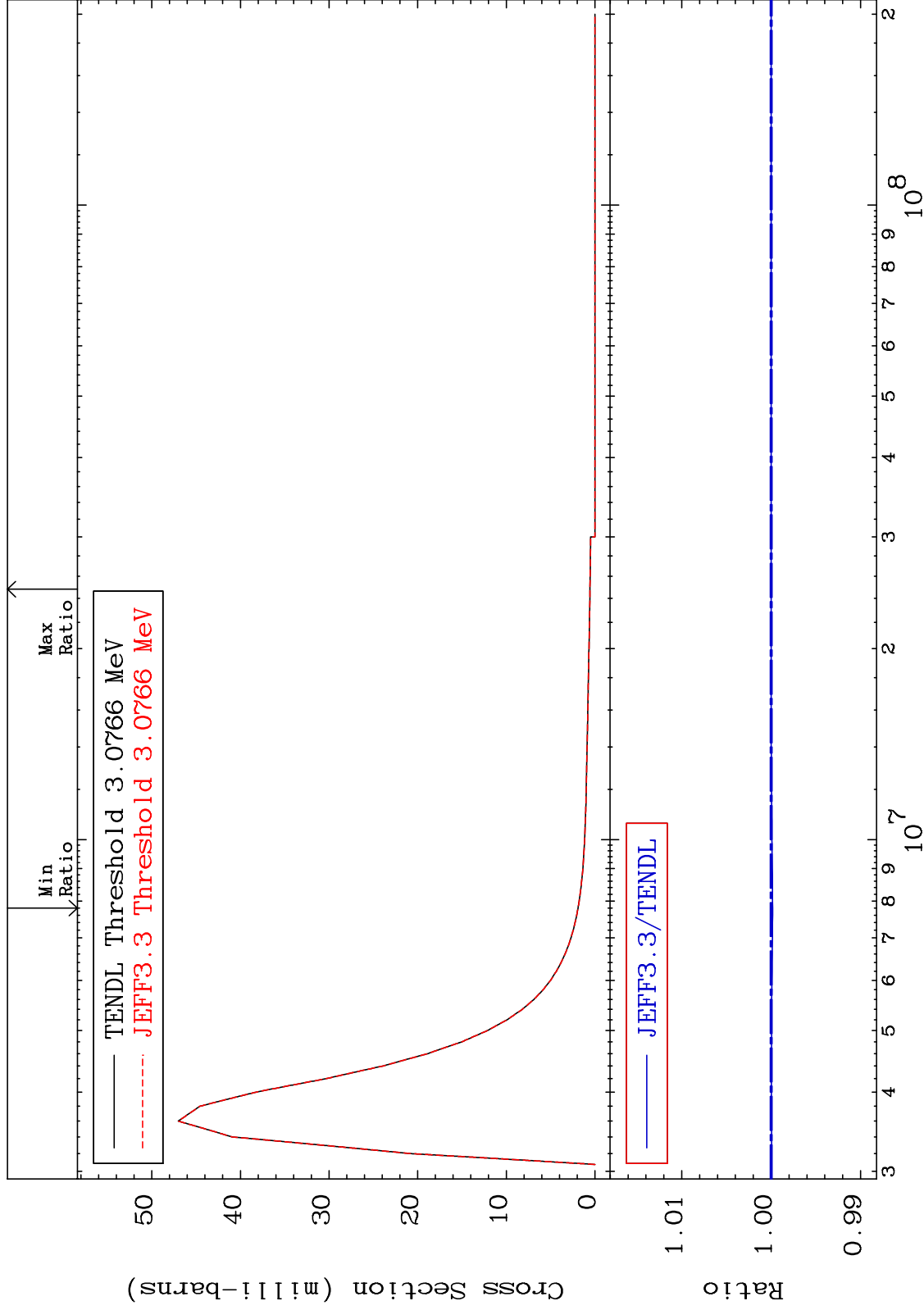
Incident Energy (eV)

32-Ge-72

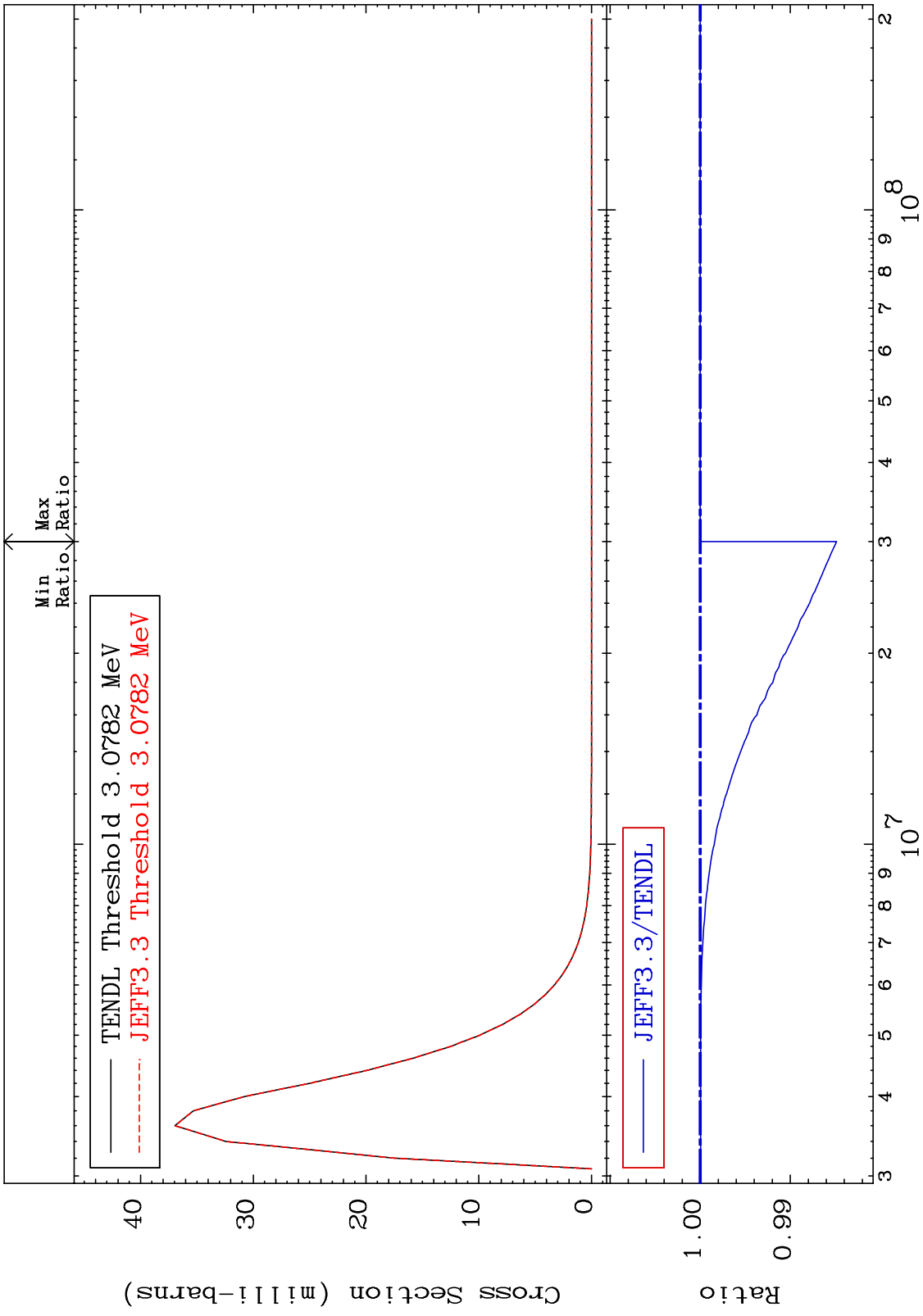
MAT 3231

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

32-Ge-72
-0.016 To 0.000 %



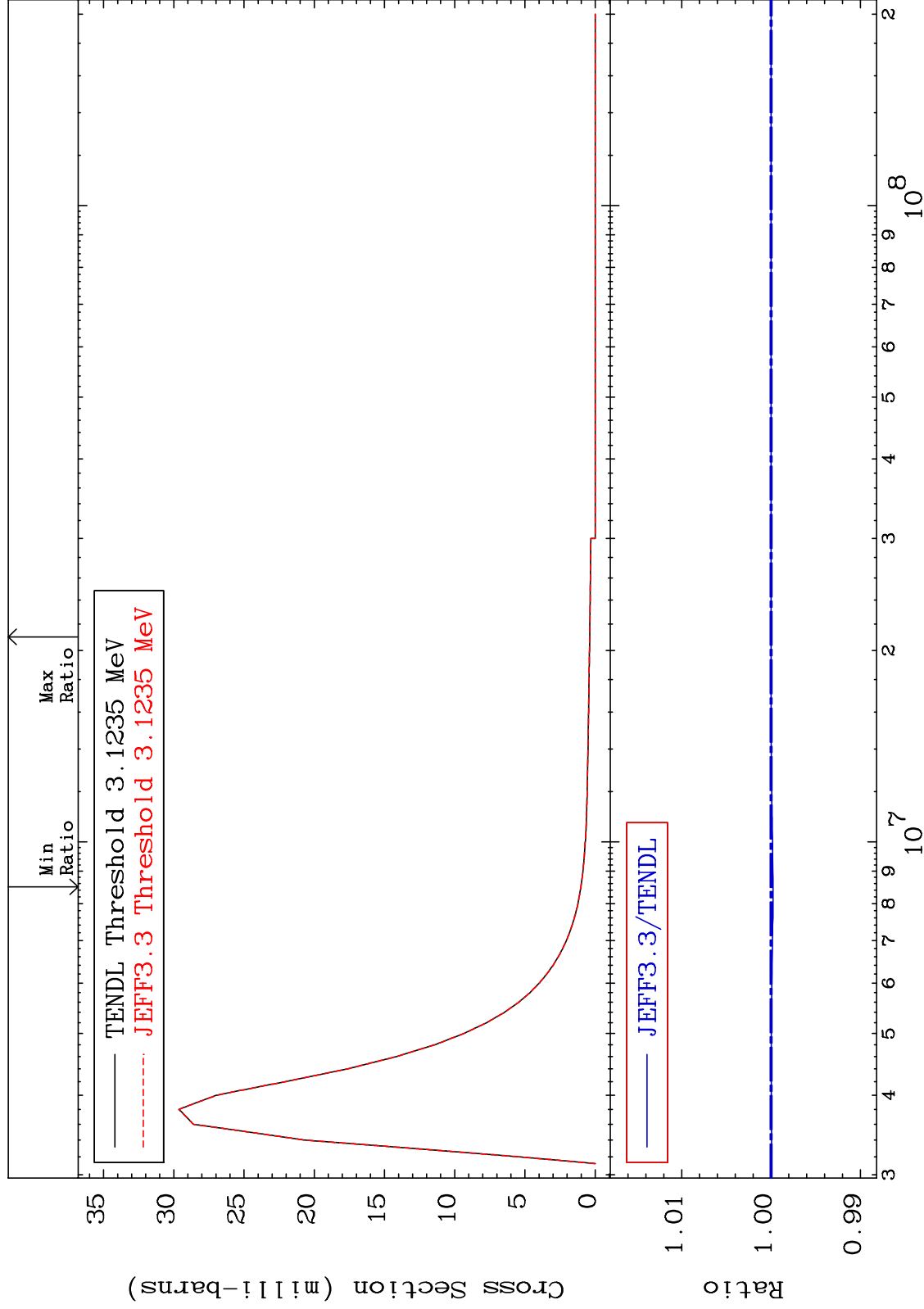
MAT 3231 MT= 74 (n,n') Level Cross Section -1.515 To 0.000 % 32-Ge-72



MAT 3231

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

32-Ge-72
-0.023 To 0.000 %



40

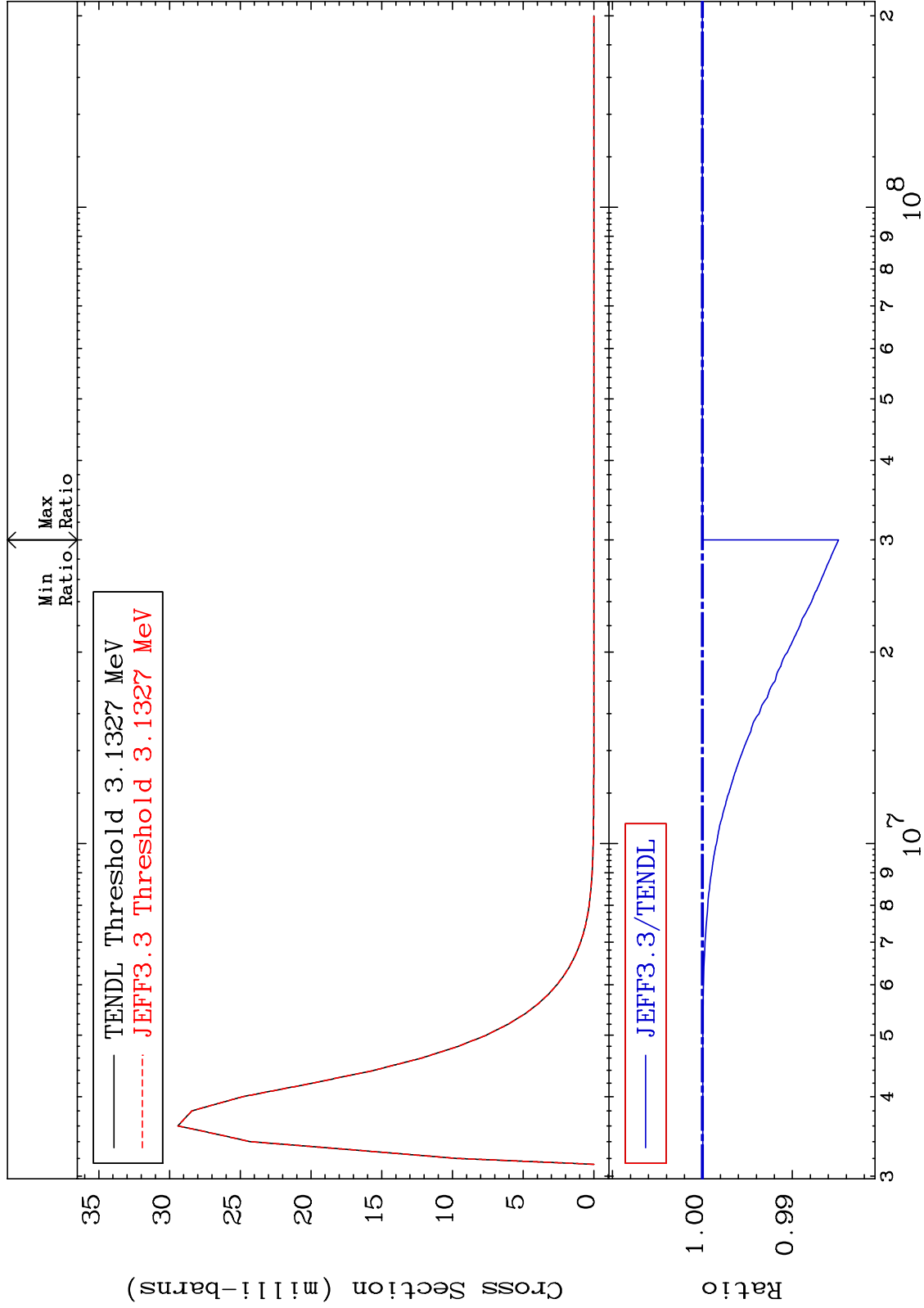
Incident Energy (eV)

32-Ge-72

MAT 3231

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

32-Ge-72
-1.514 To 0.000 %



41

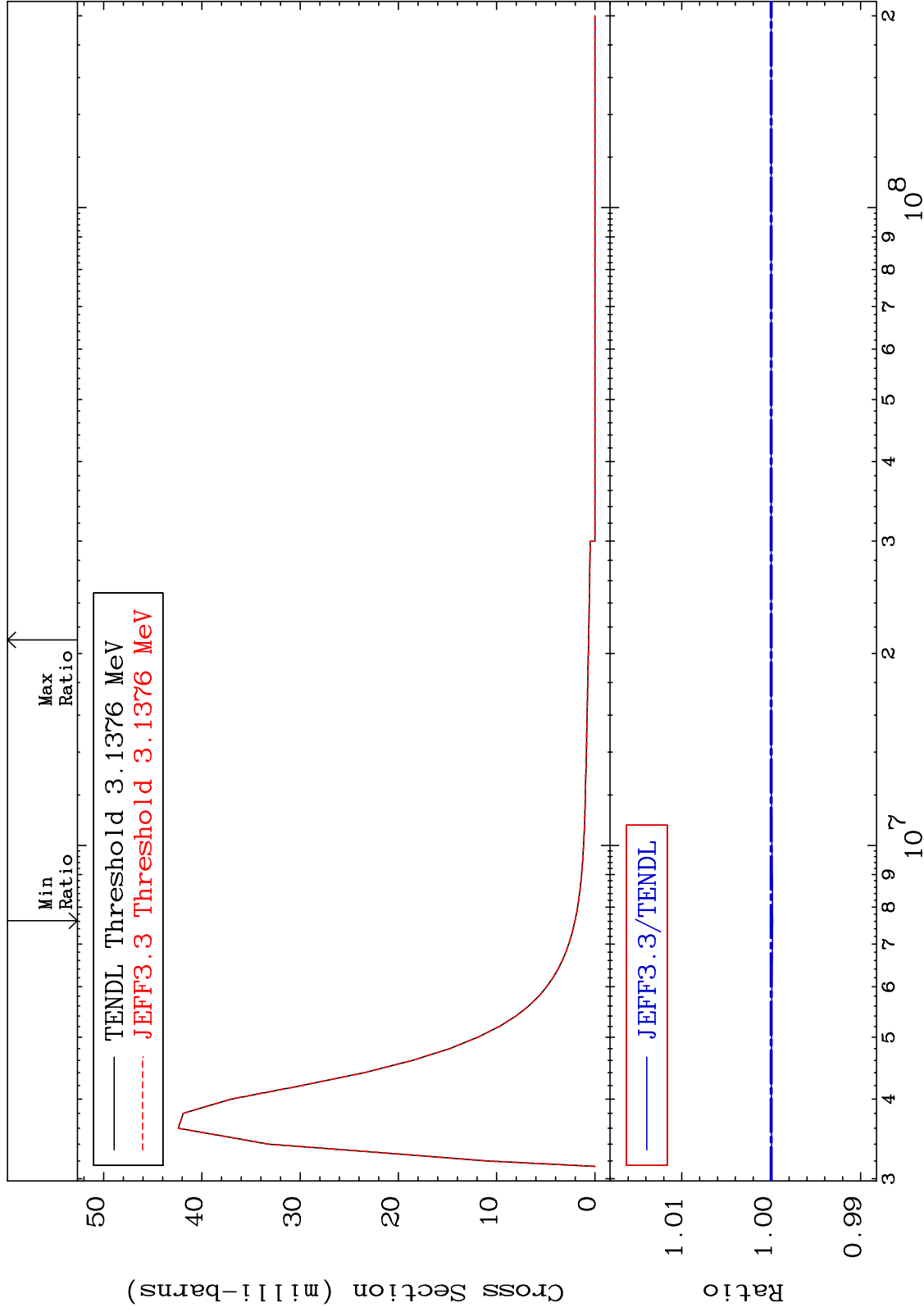
Incident Energy (eV)

32-Ge-72

MAT 3231

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

32-Ge-72
-0.016 To 0.000 %



42

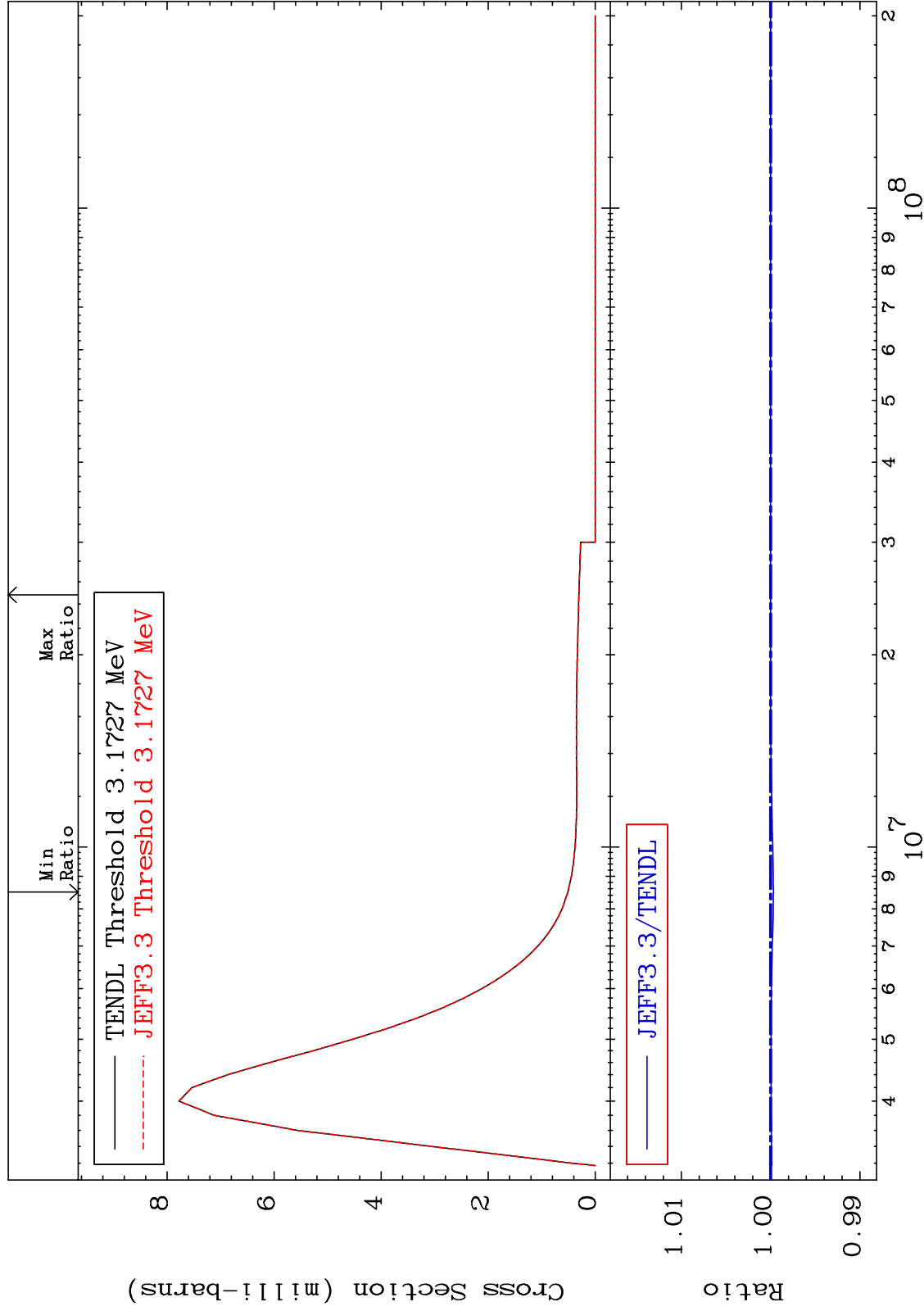
Incident Energy (eV)

32-Ge-72

MAT 3231

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

32-Ge-72
-0.032 To 0.000 %



43

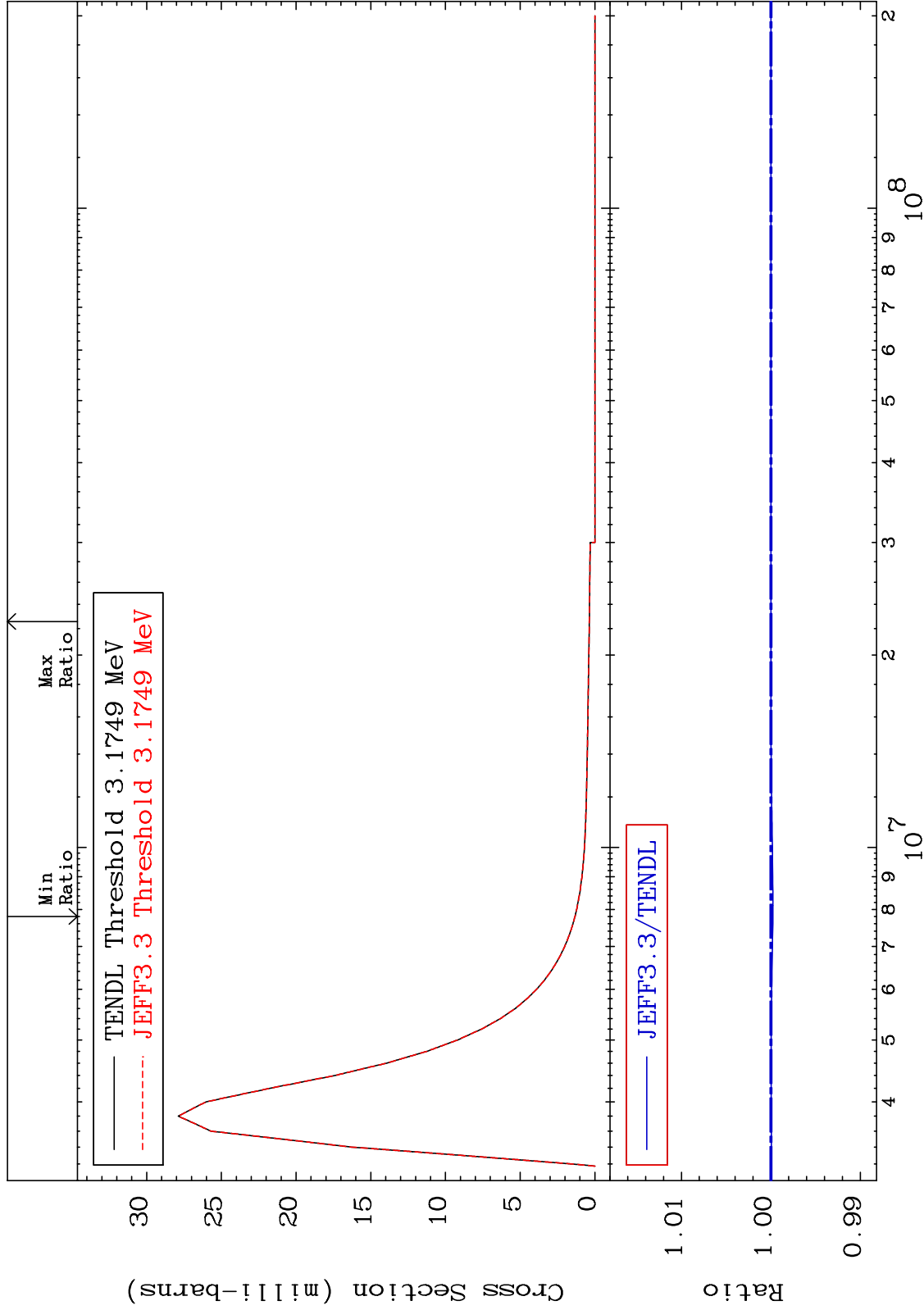
Incident Energy (eV)

32-Ge-72

MAT 3231

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

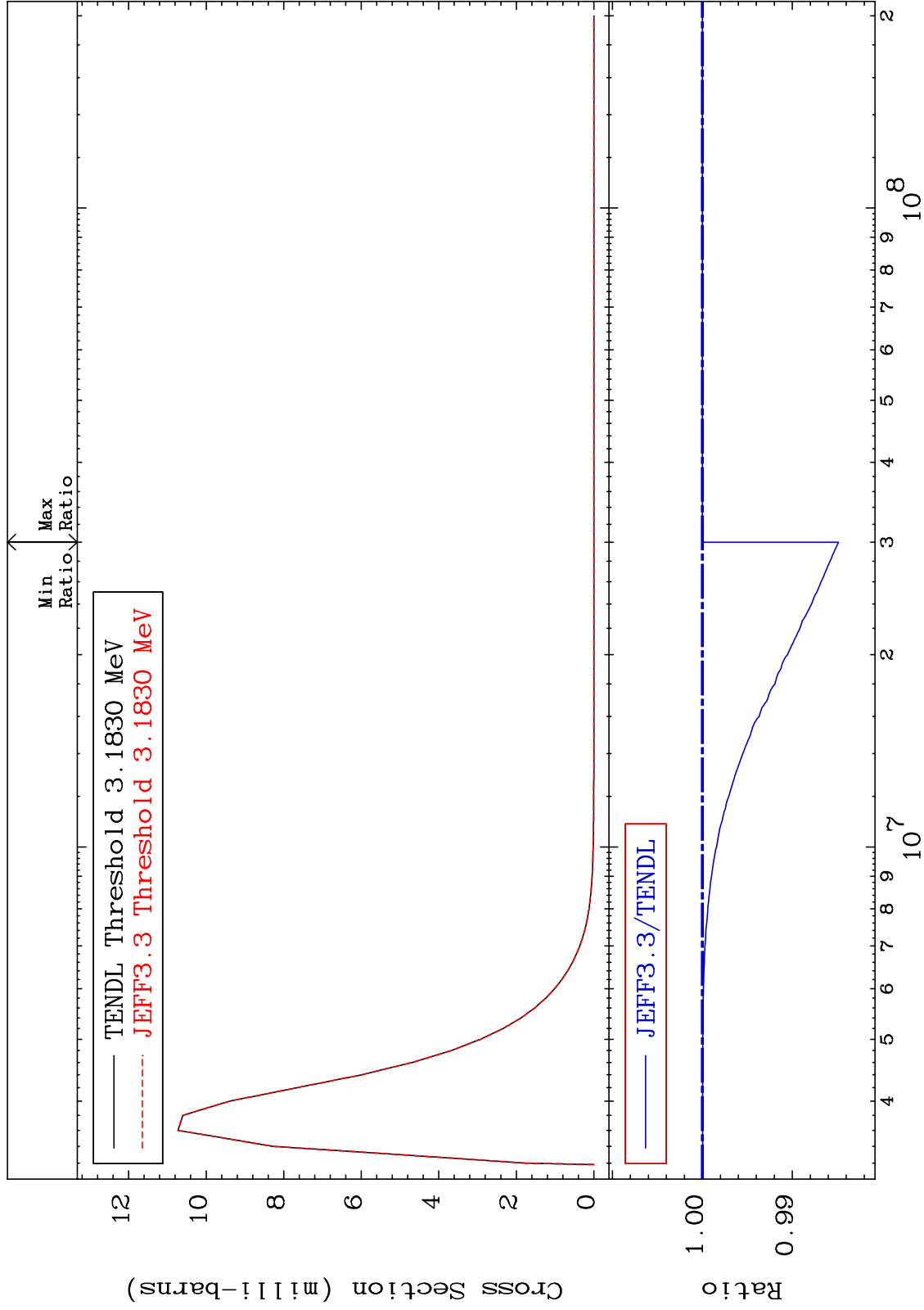
32-Ge-72
-0.022 To 0.000 %



MAT 3231

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

32-Ge-72
-1.515 To 0.000 %



45

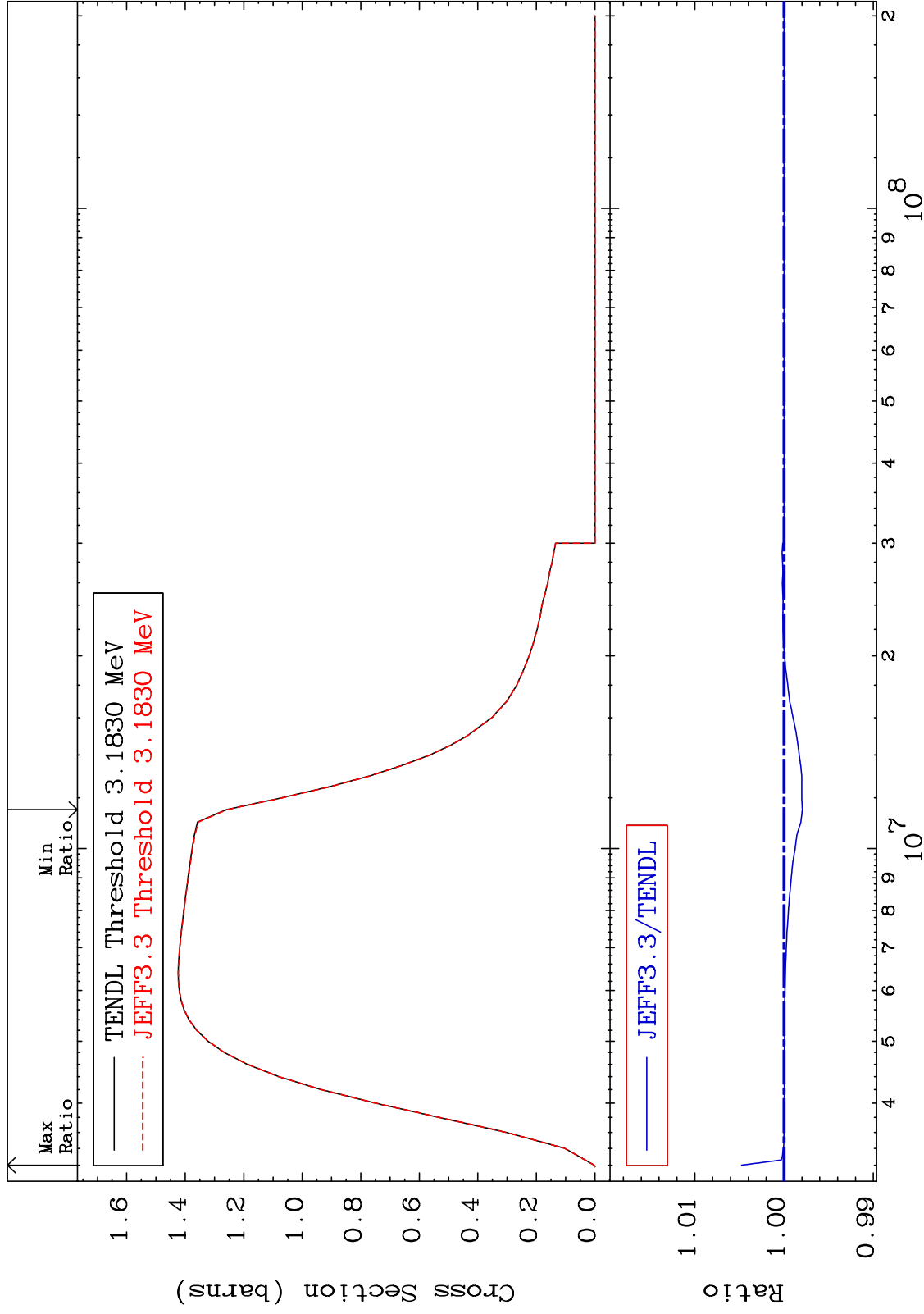
Incident Energy (eV)

32-Ge-72

MAT 3231

(n,n') Continuum
Cross Section

32-Ge-72
-0.205 To 0.478 %



46

Incident Energy (eV)

32-Ge-72

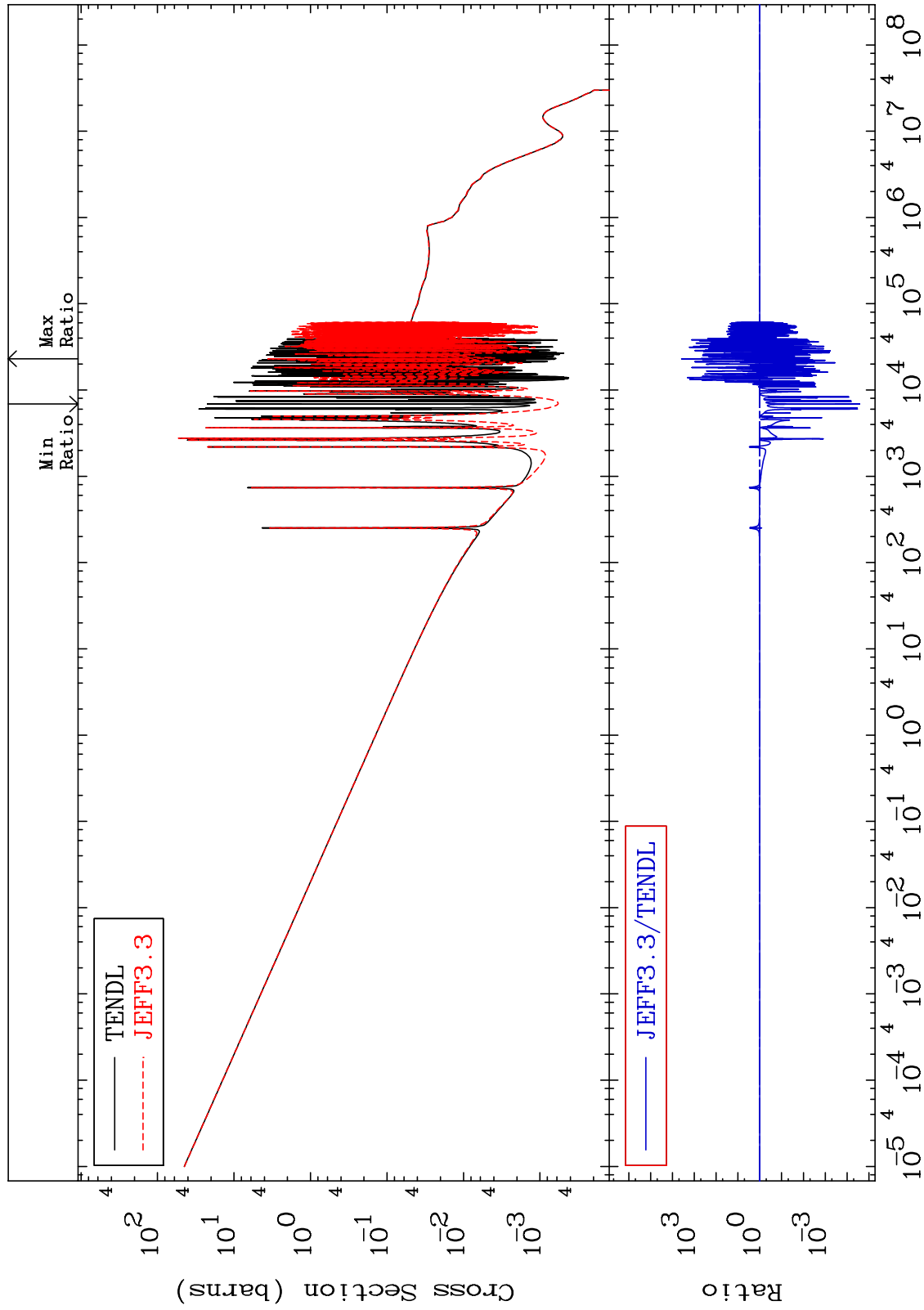
MAT 3231

(n, γ)

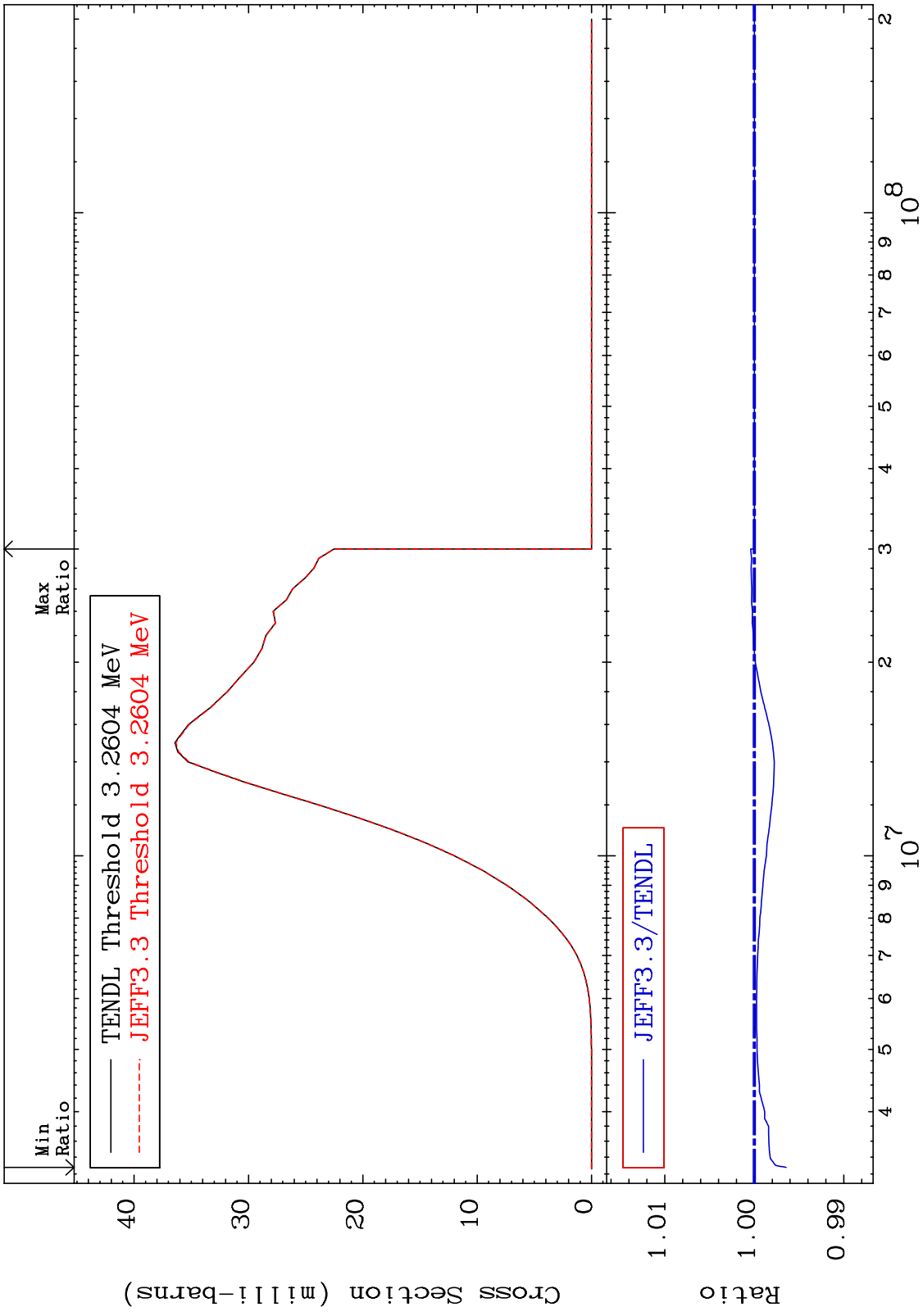
32-Ge-72

Cross Section

-100.0 To 9999. %

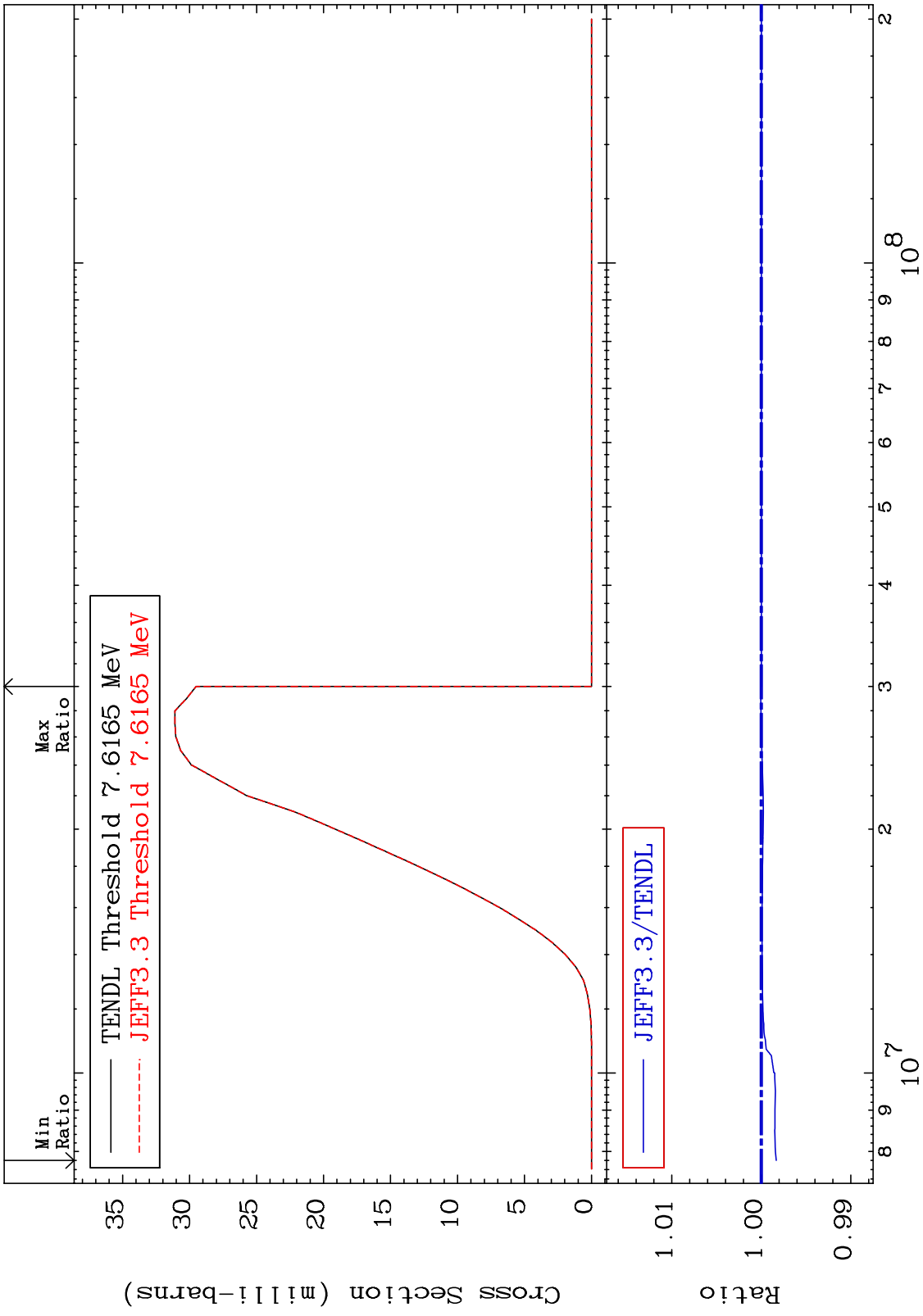


MAT 3231 (n,p) Cross Section 32-Ge-72 -0.356 To 0.040 %

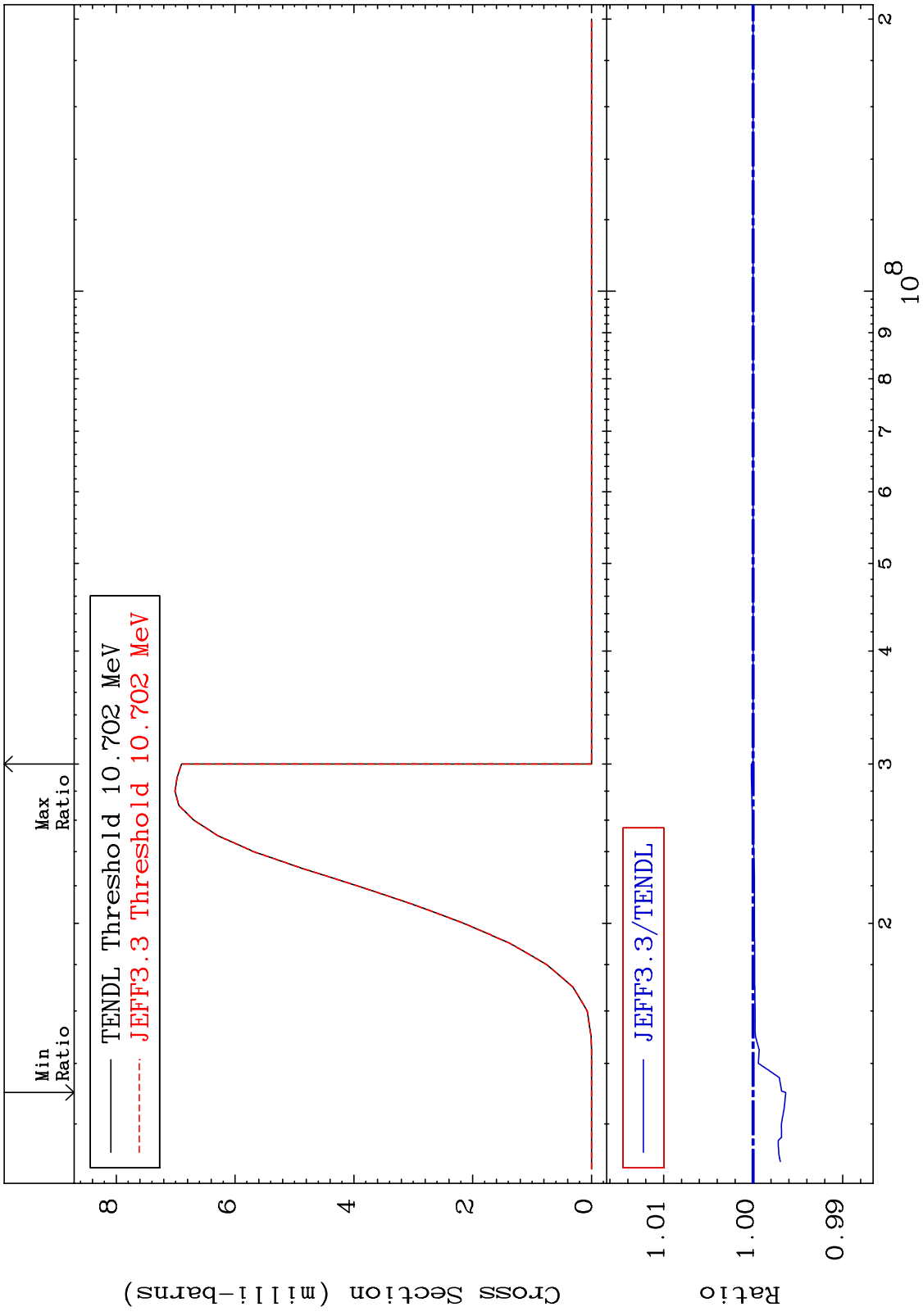


48 32-Ge-72

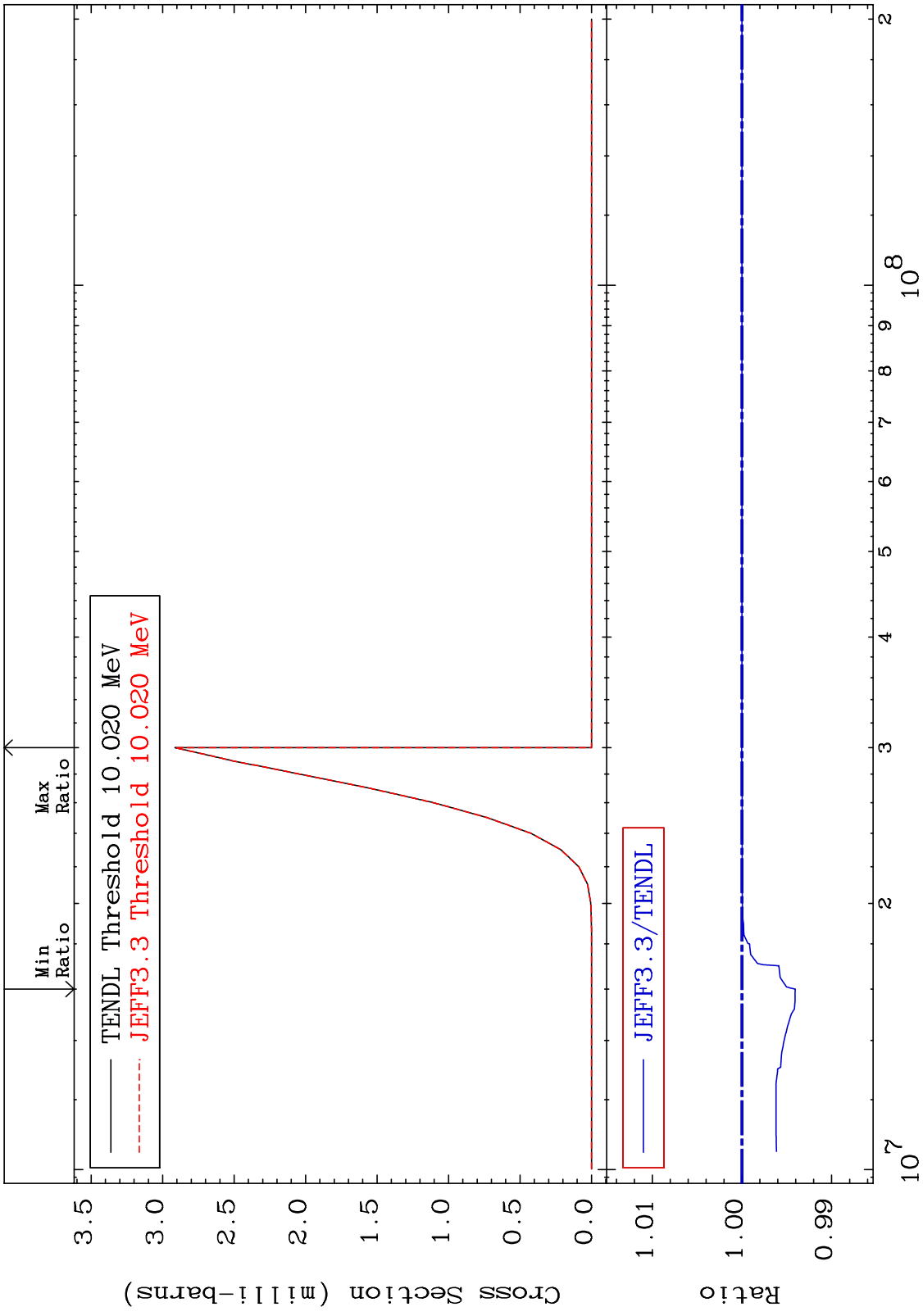
MAT 3231 (n,d) Cross Section 32-Ge-72
 -0.168 To 0.008 %

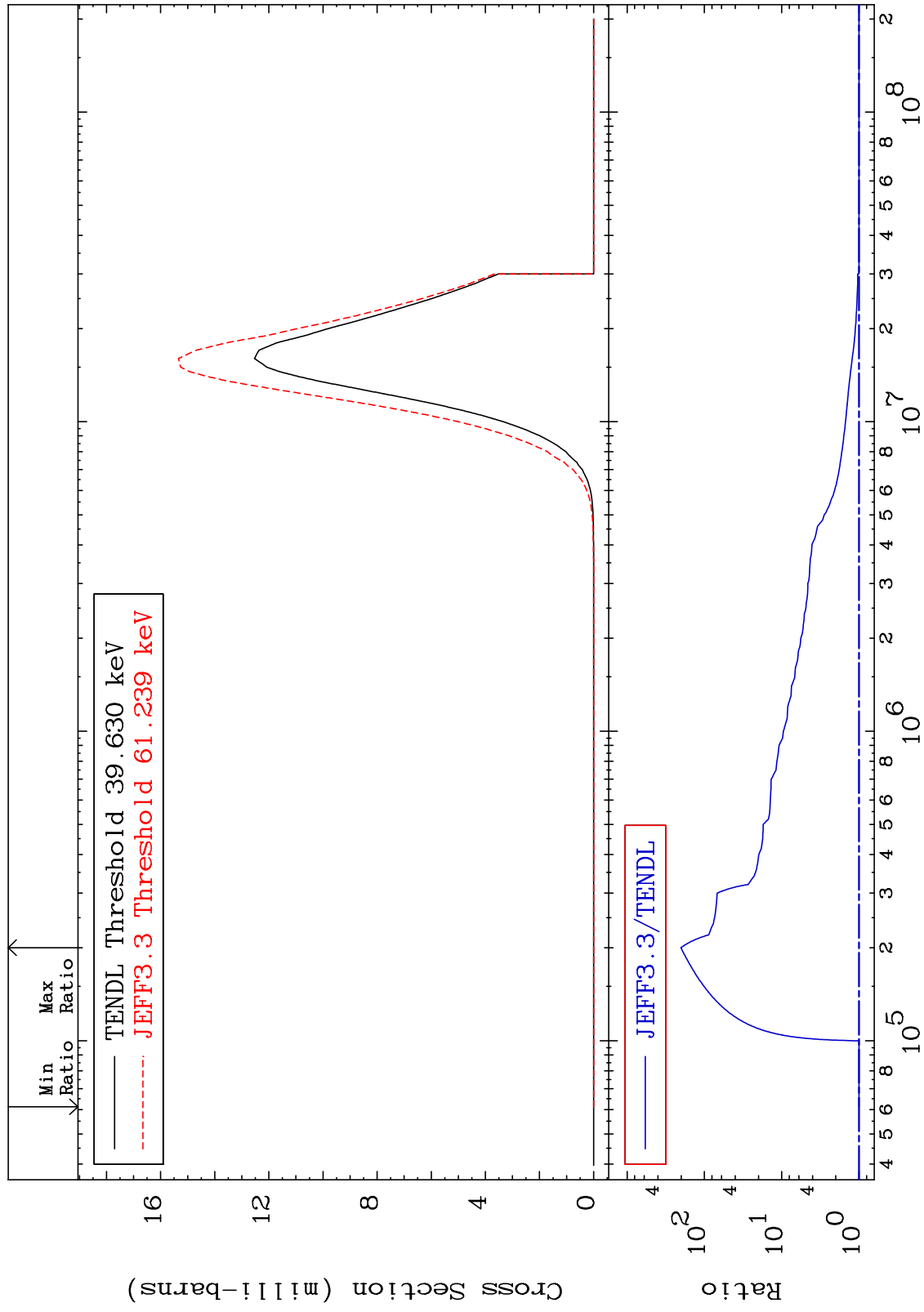


MAT 3231 (n,t) Cross Section 32-Ge-72 -0.362 To 0.021 %

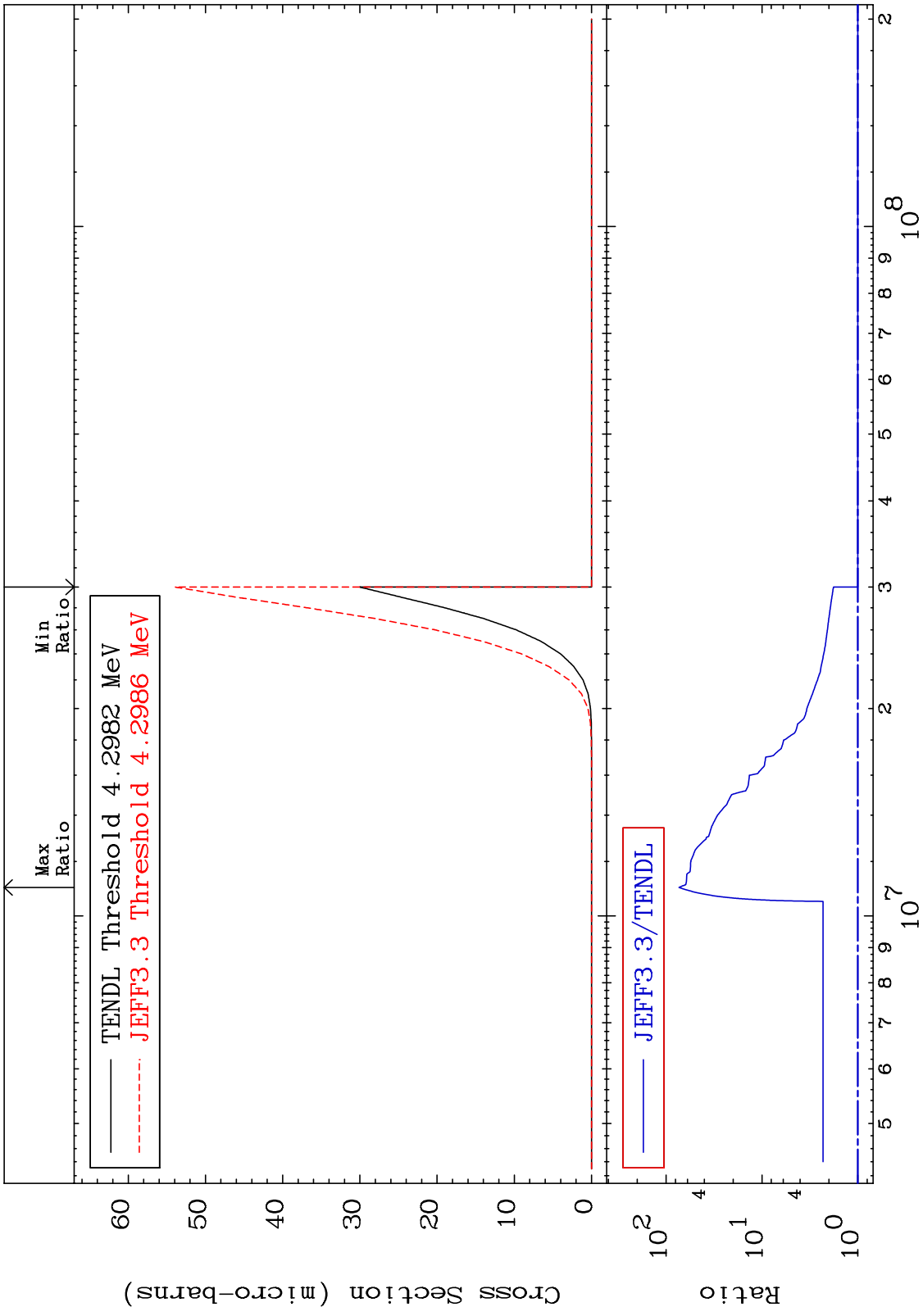


MAT 3231 (n, He-3) 32-Ge-72
 Cross Section -0.593 To 0.003 %

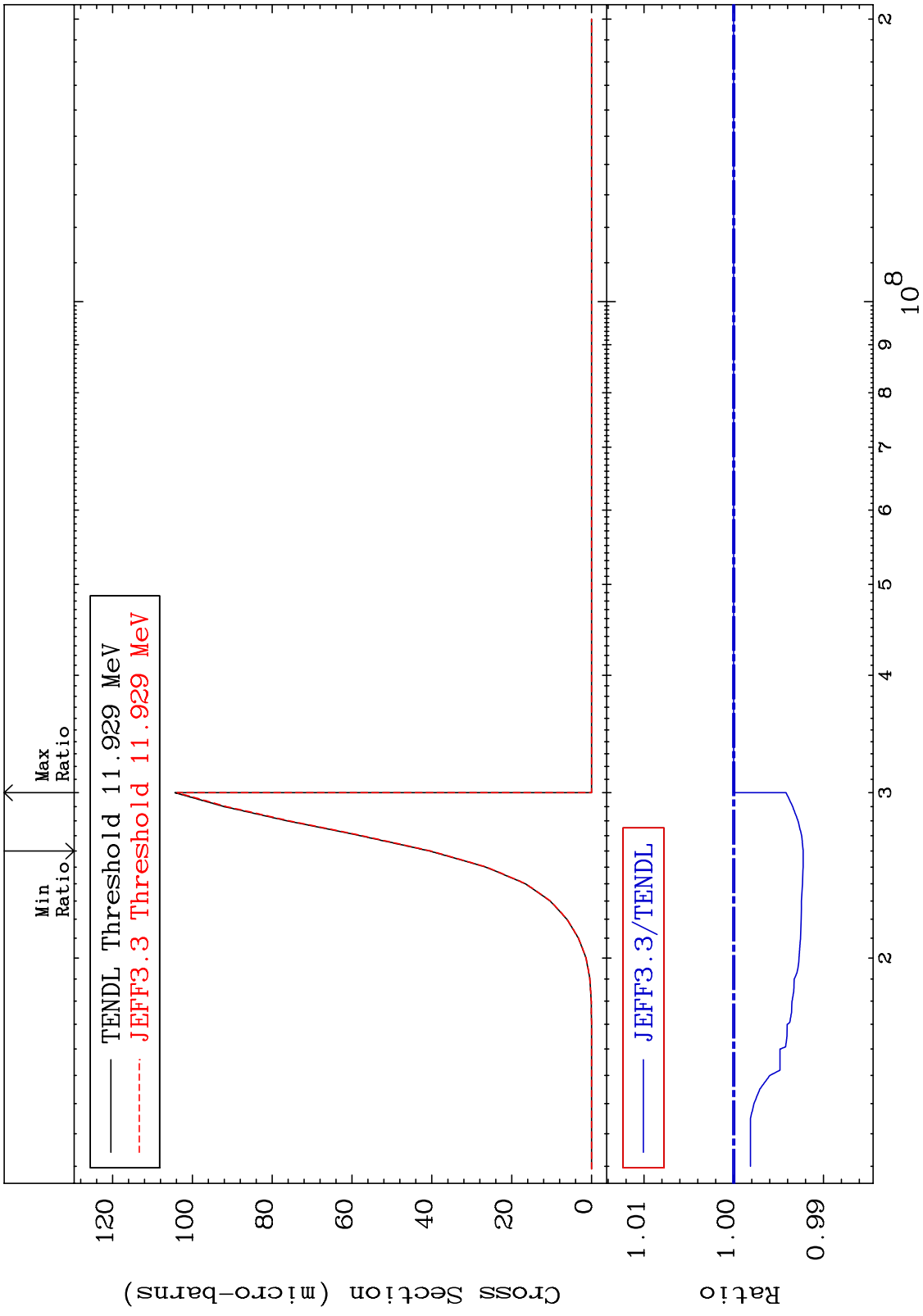




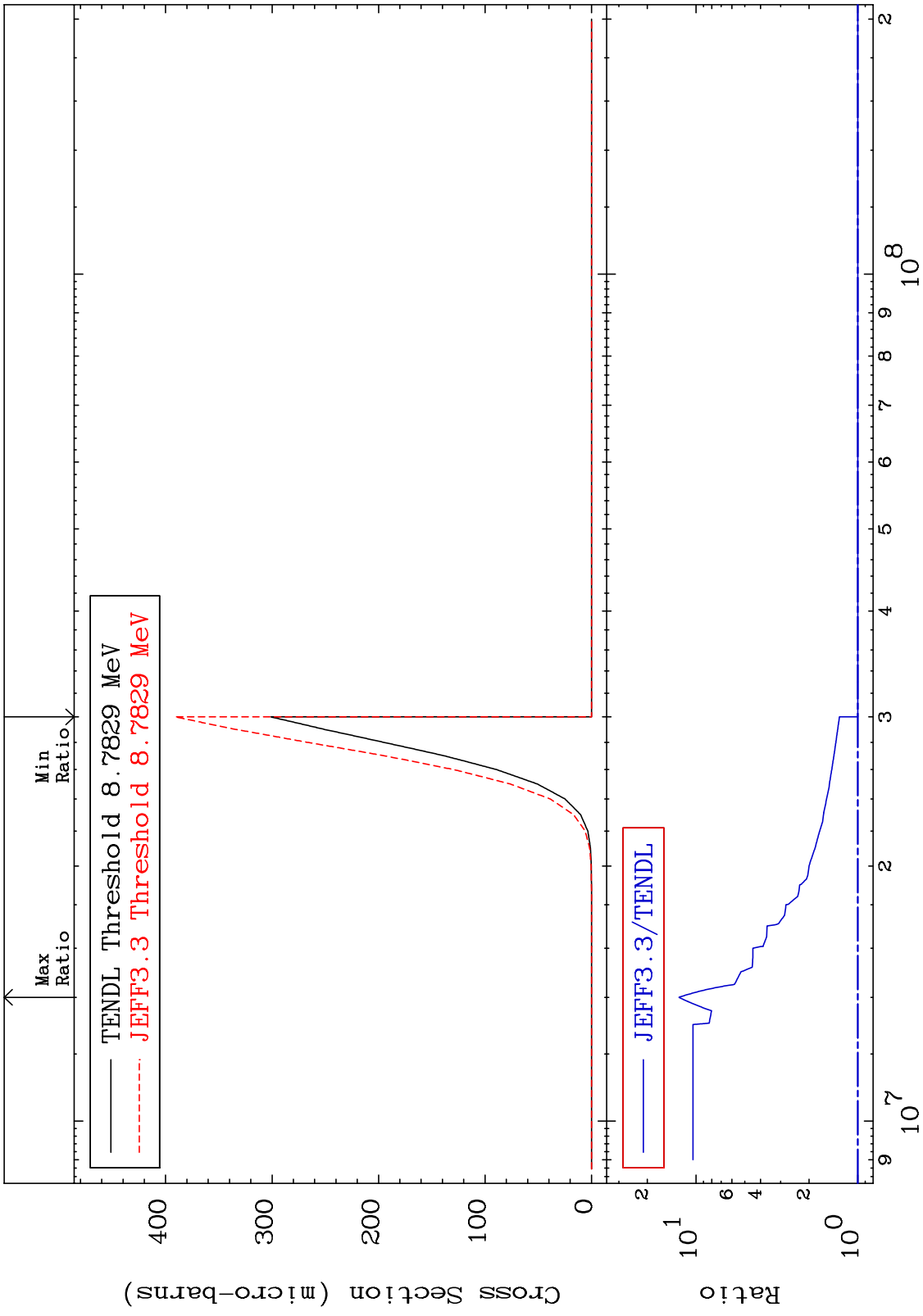
MAT 3231 $(n, 2\alpha)$ Cross Section $^{32}\text{Ge-72}$ To 7235. %



MAT 3231 (n,2p) Cross Section 32-Ge-72
 -0.774 To 0.000 %

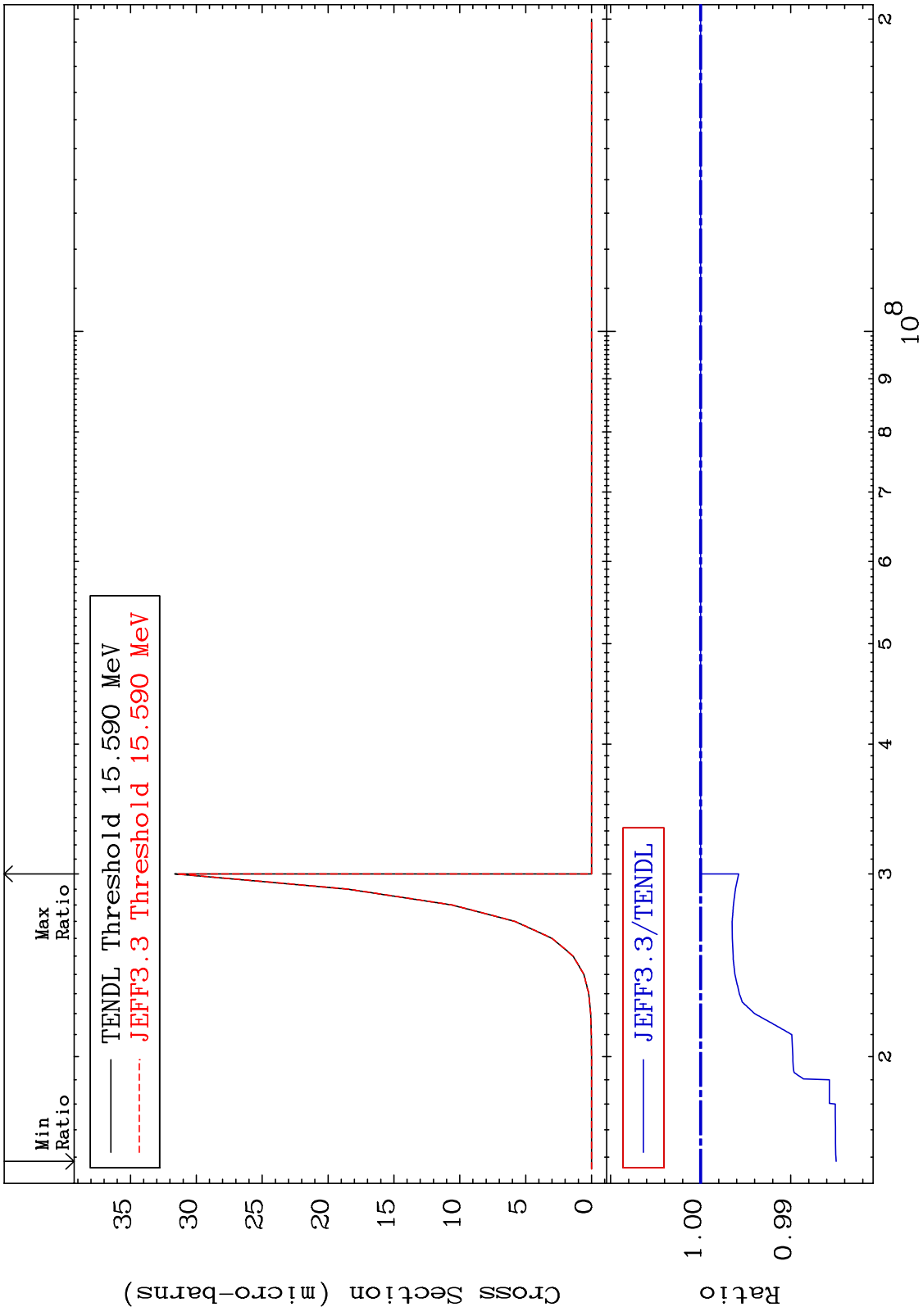


MAT 3231 $(n,p) \alpha$ Cross Section 32-Ge-72 To 1174. %

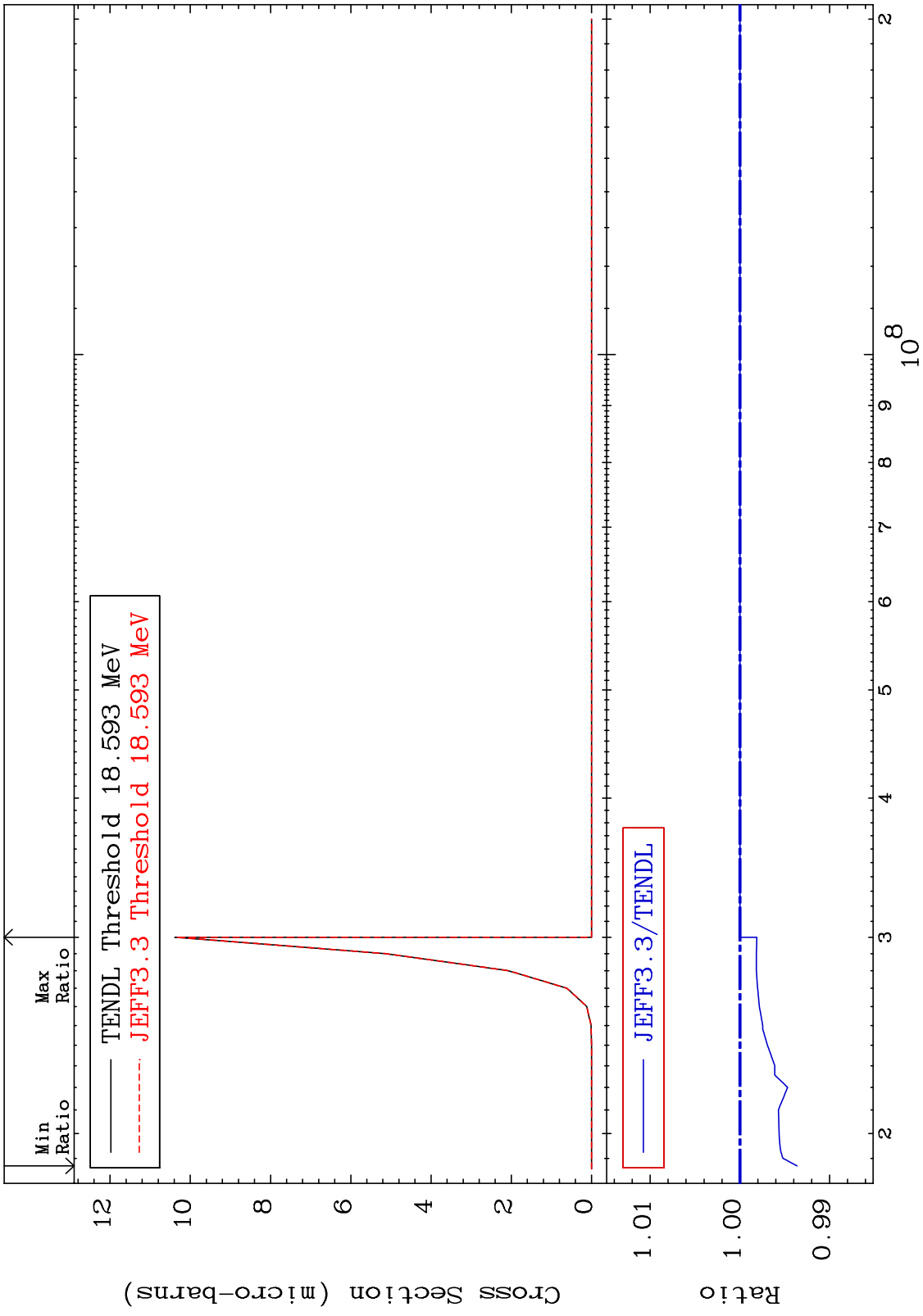


55 32-Ge-72

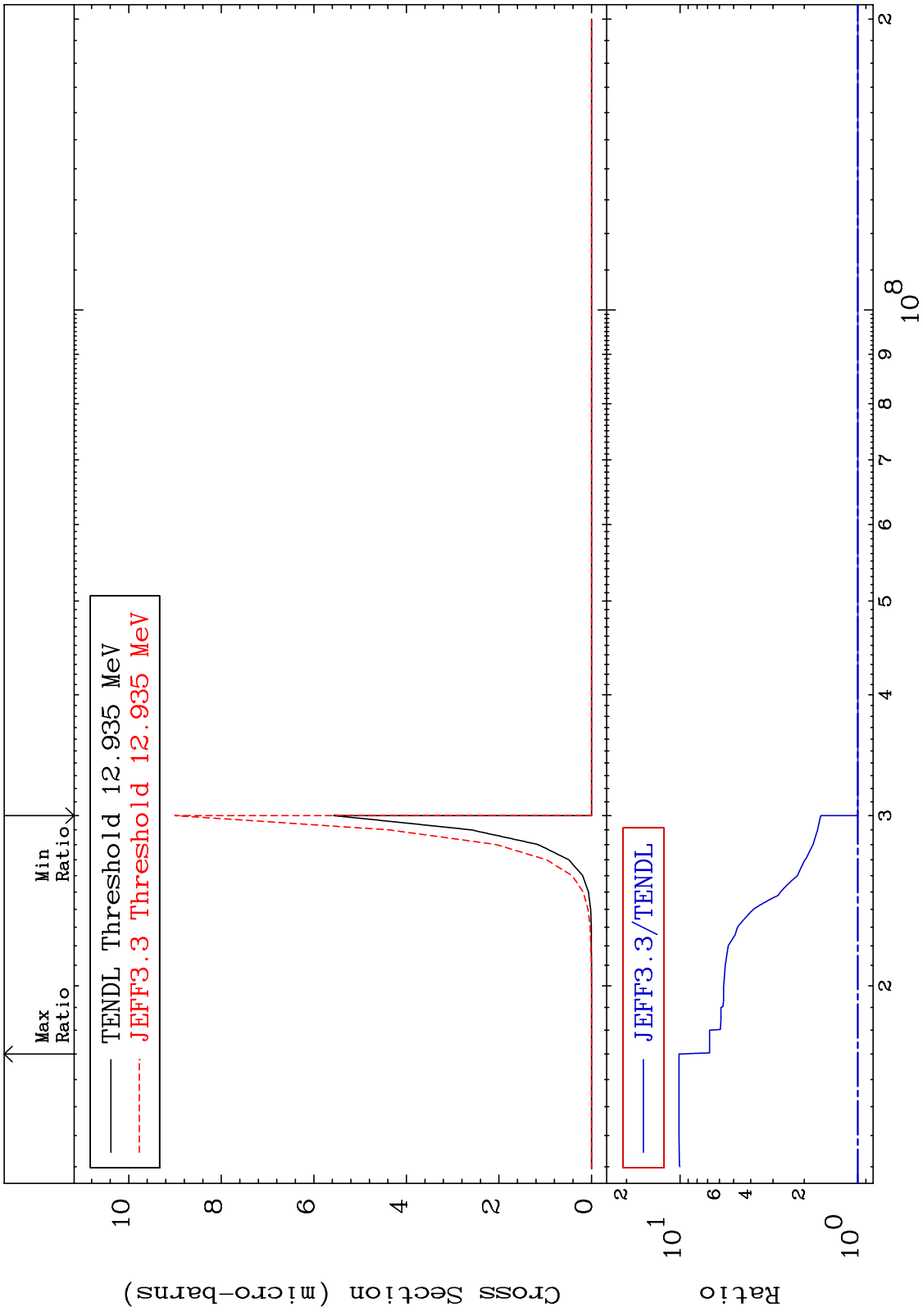
MAT 3231 (n,p) d 32-Ge-72
 Cross Section -1.505 To 0.000 %



MAT 3231 (n,p) t 32-Ge-72
 Cross Section -0.637 To 0.000 %



MAT 3231 (n,d) α Cross Section 32-Ge-72 To 912.2 %
 0.000

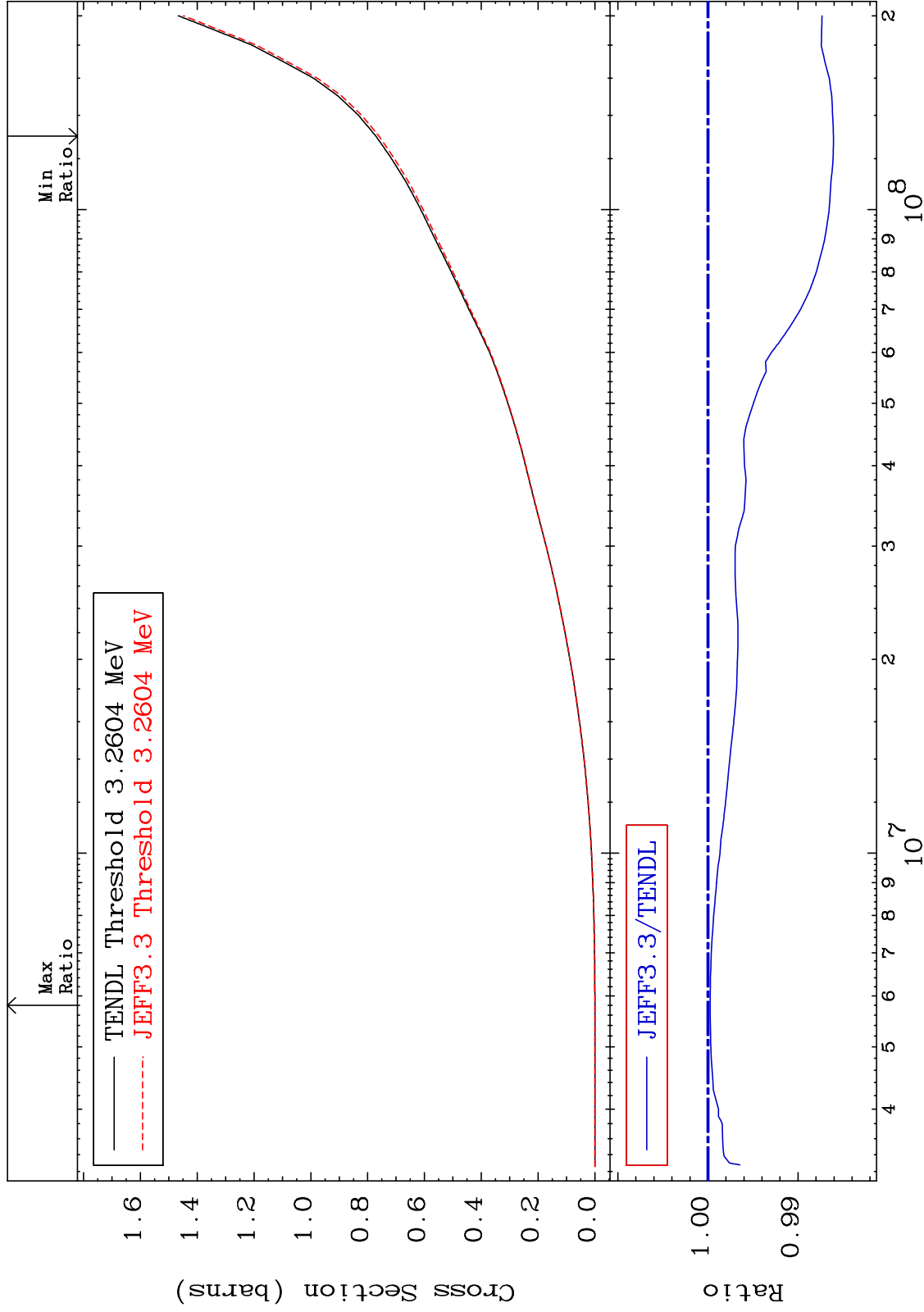


Incident Energy (eV) 32-Ge-72

MAT 3231

Hydrogen Production
Cross Section

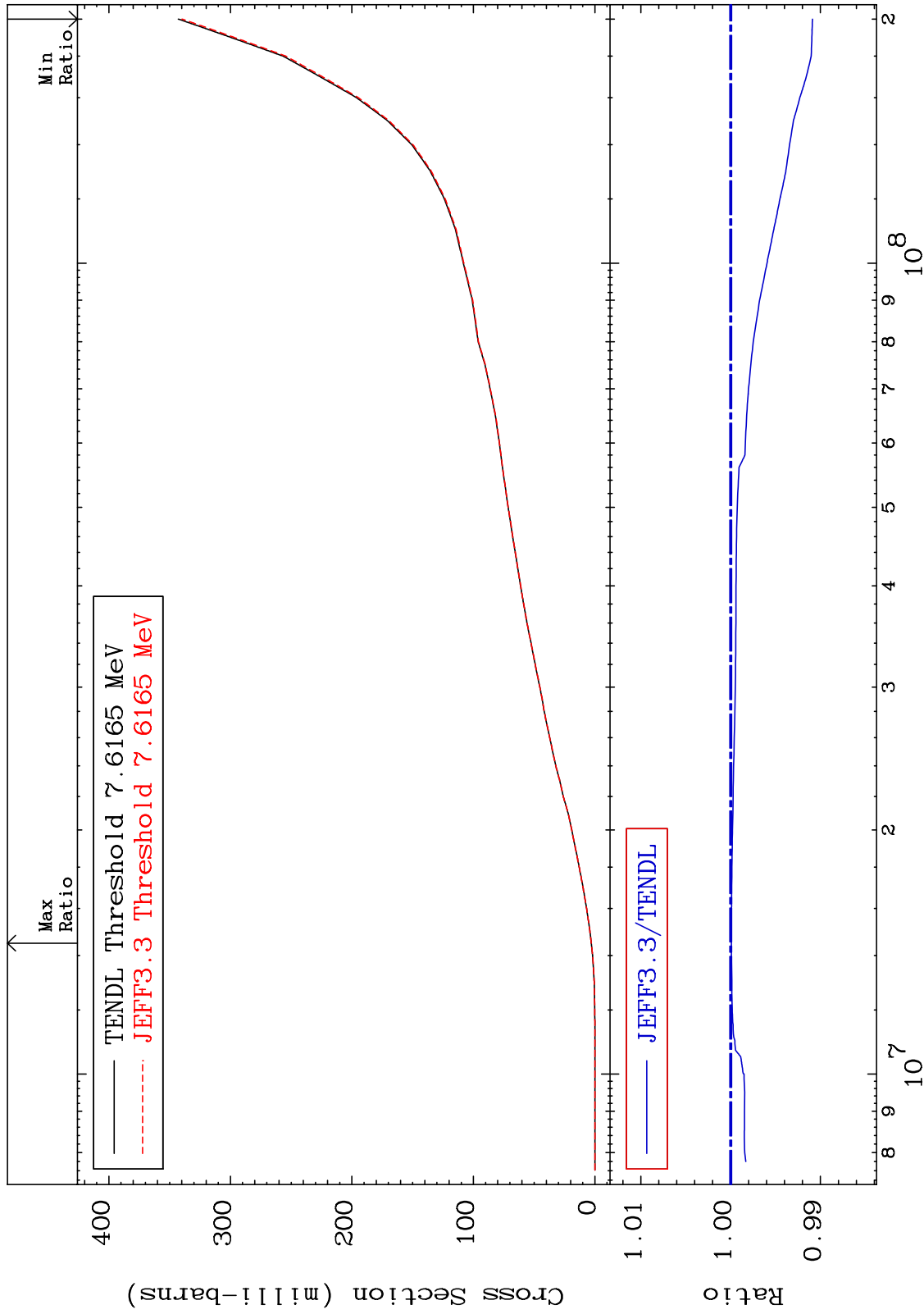
32-Ge-72
-1.395 To -0.025%



MAT 3231

Deuterium Production
Cross Section

32-Ge-72
-0.910 To -0.008%



60

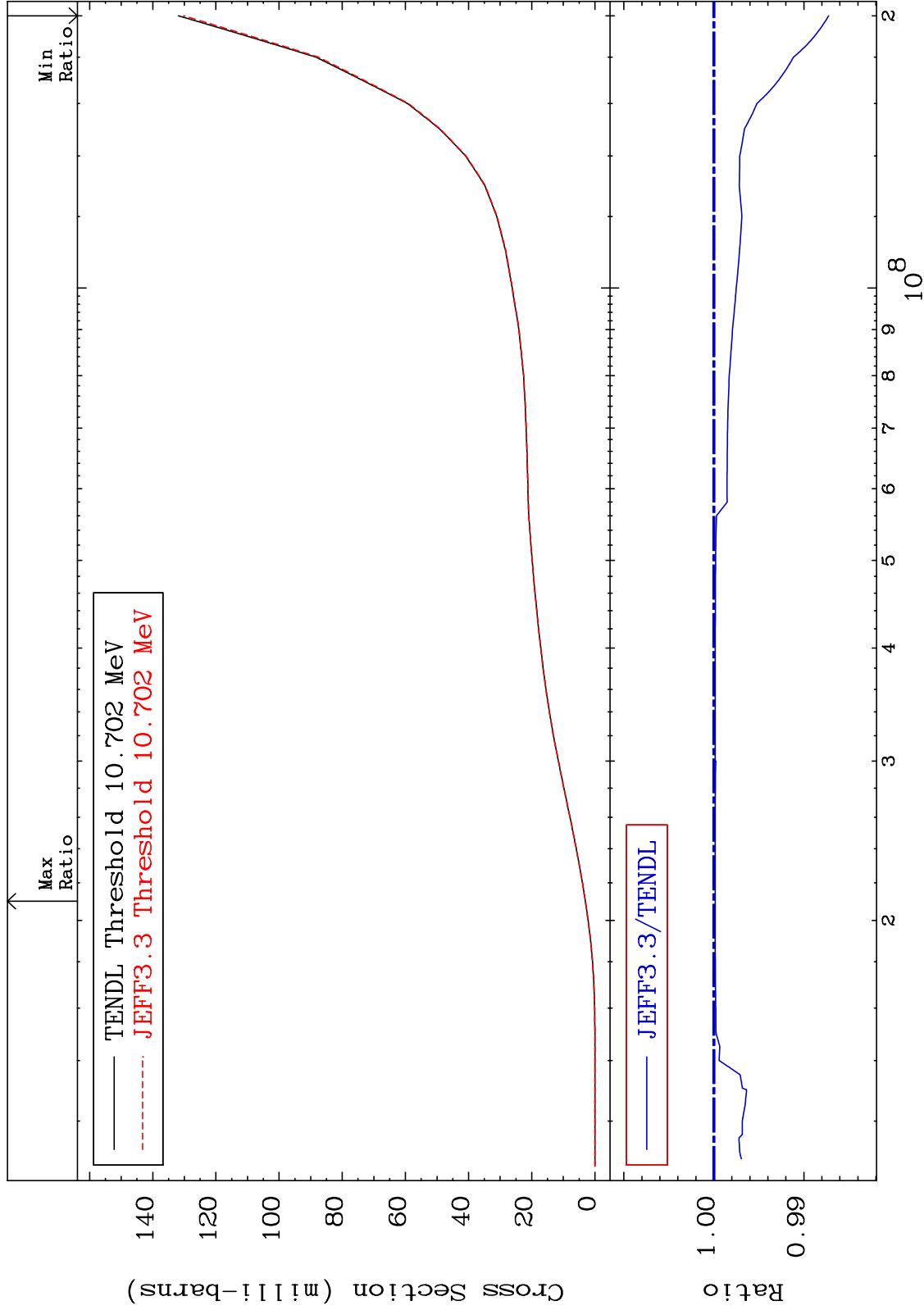
Incident Energy (eV)

32-Ge-72

MAT 3231

Tritium Production
Cross Section

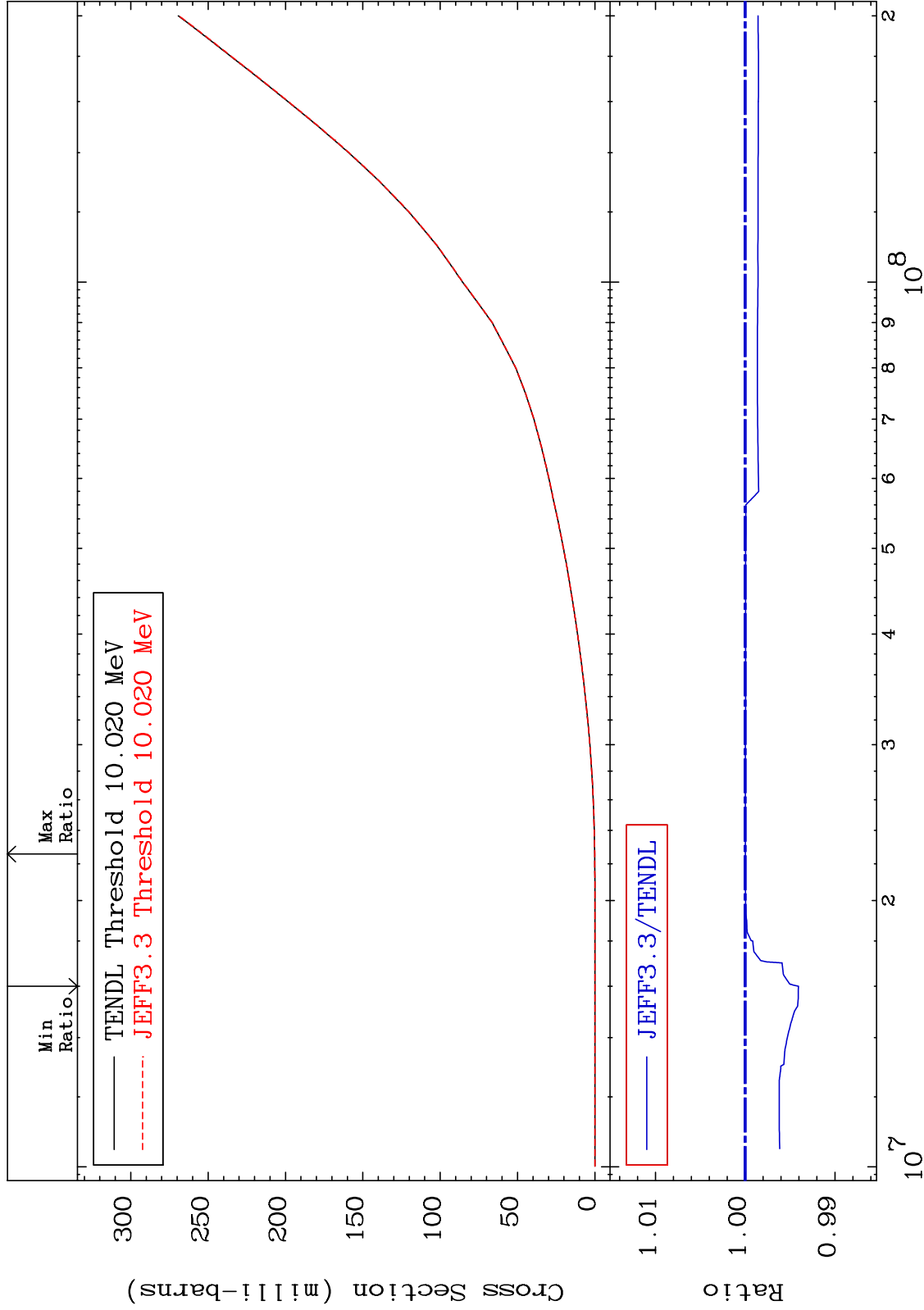
32-Ge-72
-1.275 To -0.014%



MAT 3231

He-3 Production
Cross Section

32-Ge-72
-0.593 To -0.001%



62

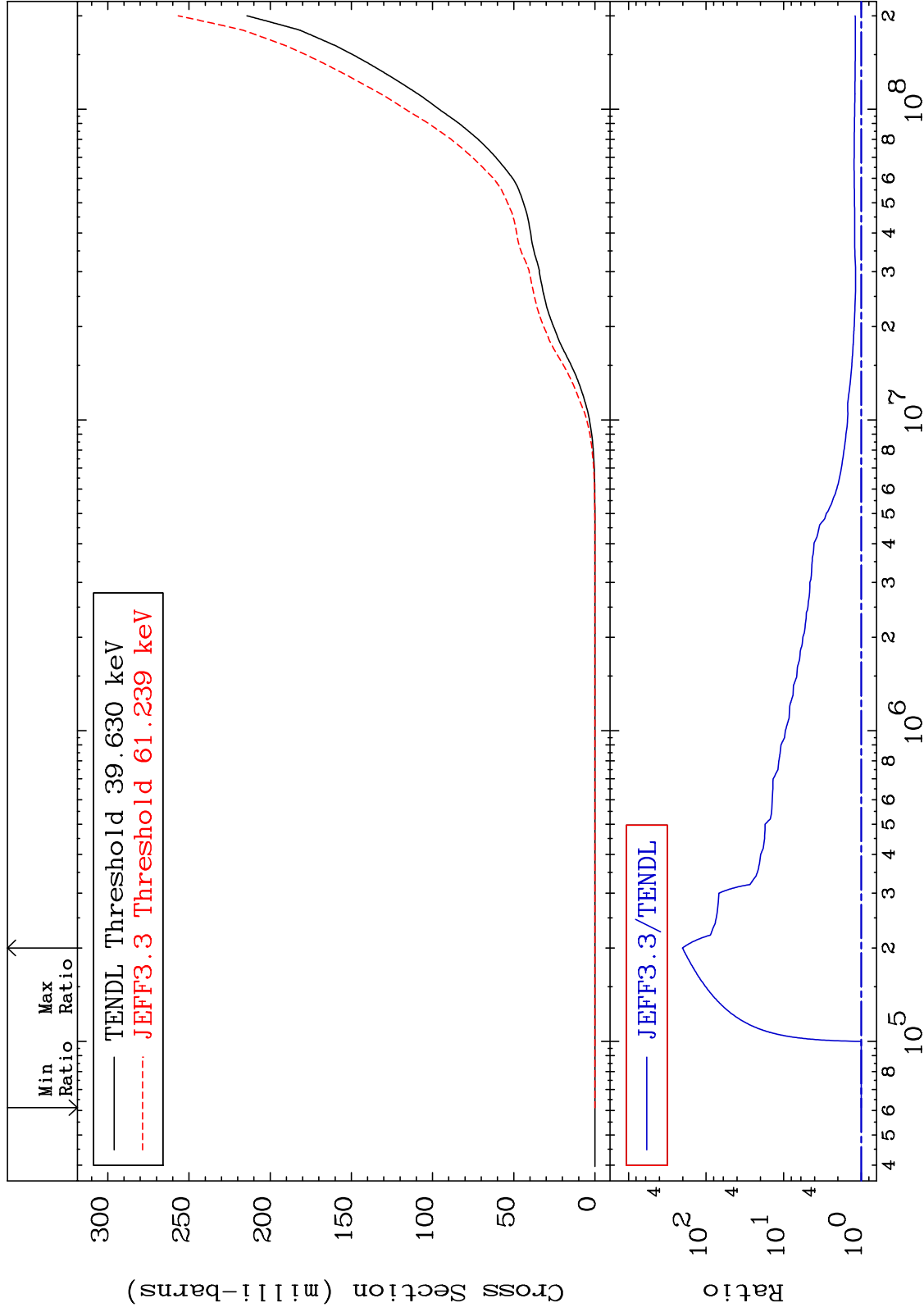
Incident Energy (eV)

32-Ge-72

MAT 3231

He-4 Production
Cross Section

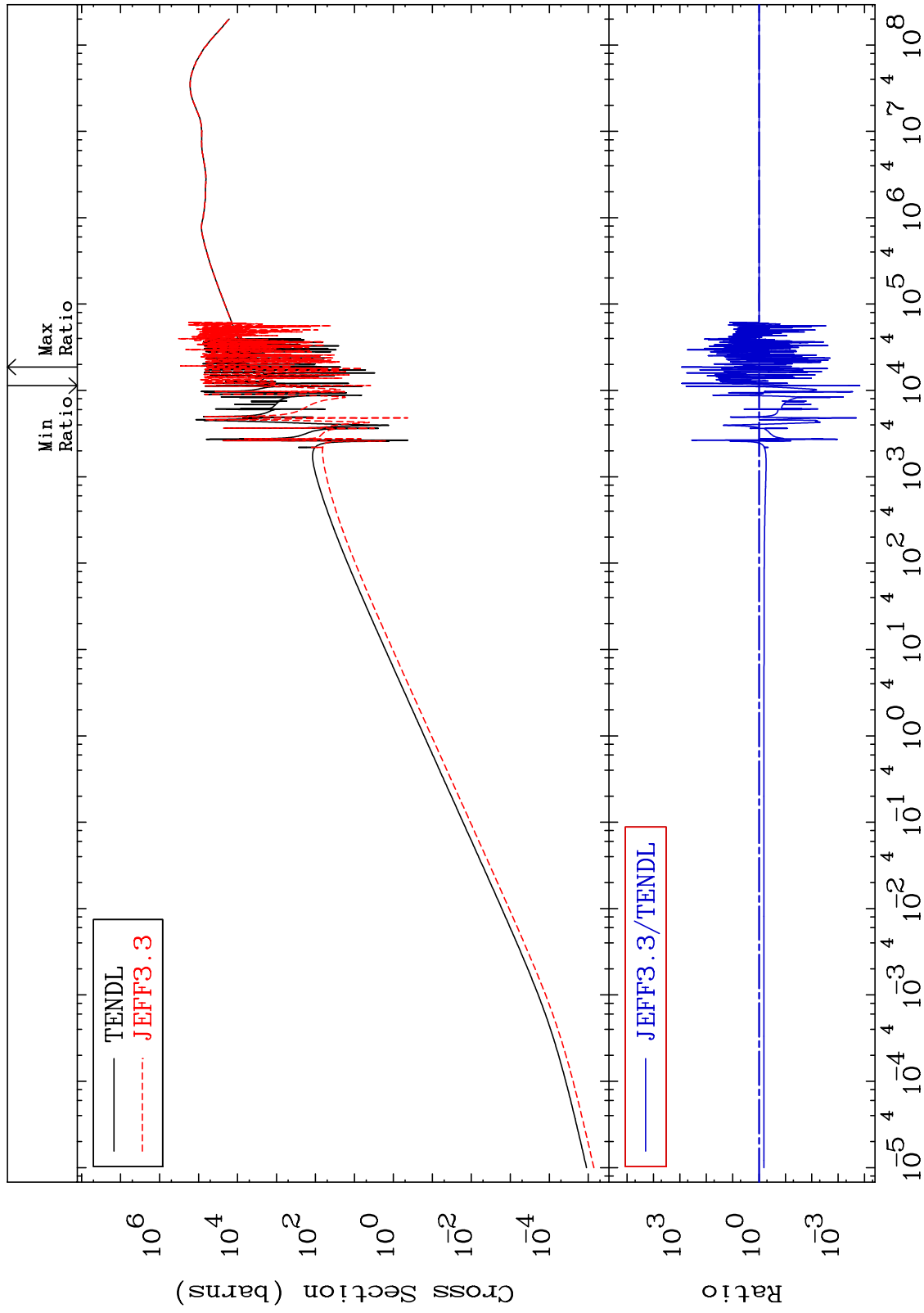
0.000 To 9999. %
32-Ge-72



MAT 3231

Kerma elastic
Cross Section

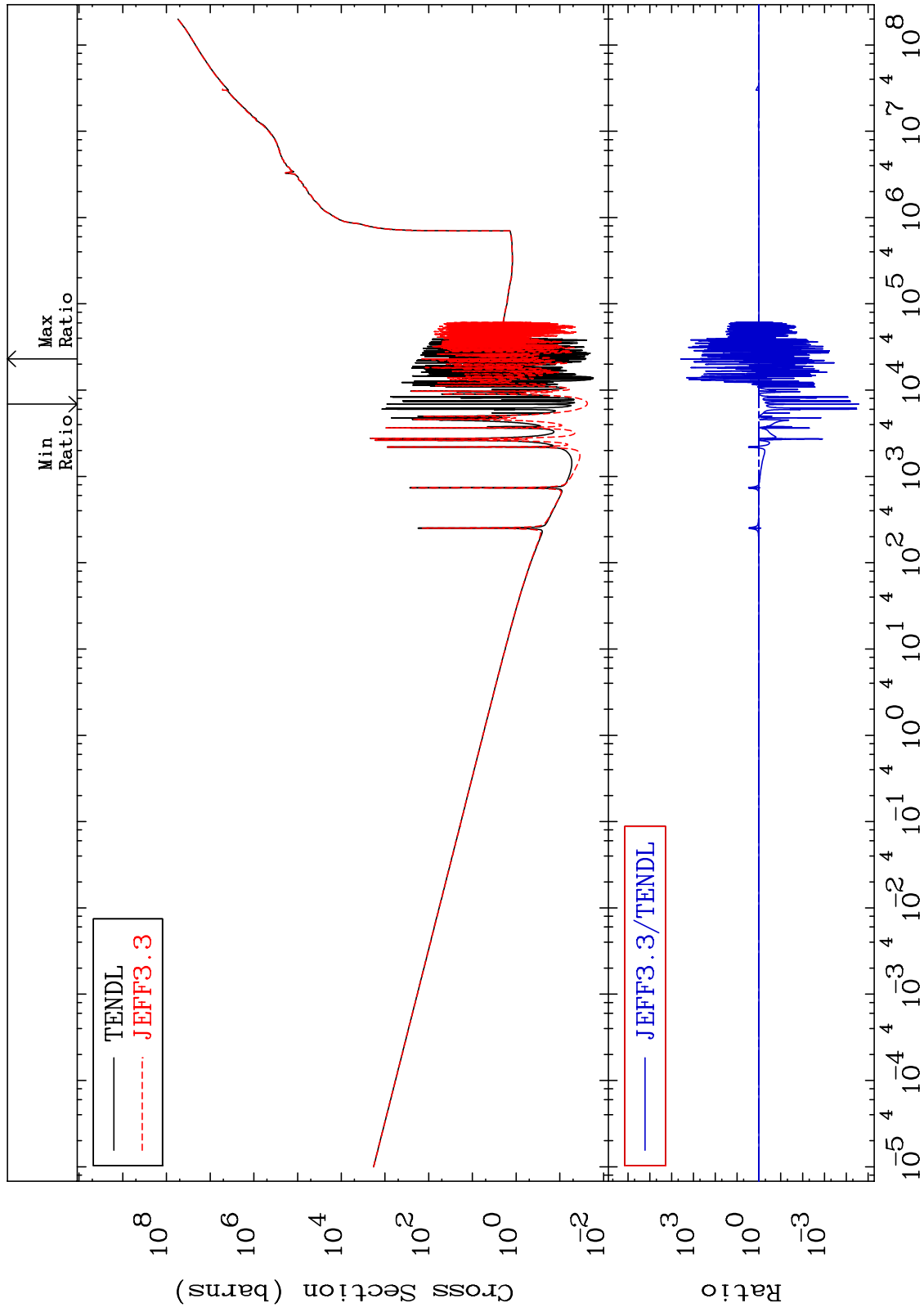
32-Ge-72
-99.98 To 9999. %



MAT 3231

Kerma non-elastic (all but mt2)
Cross Section

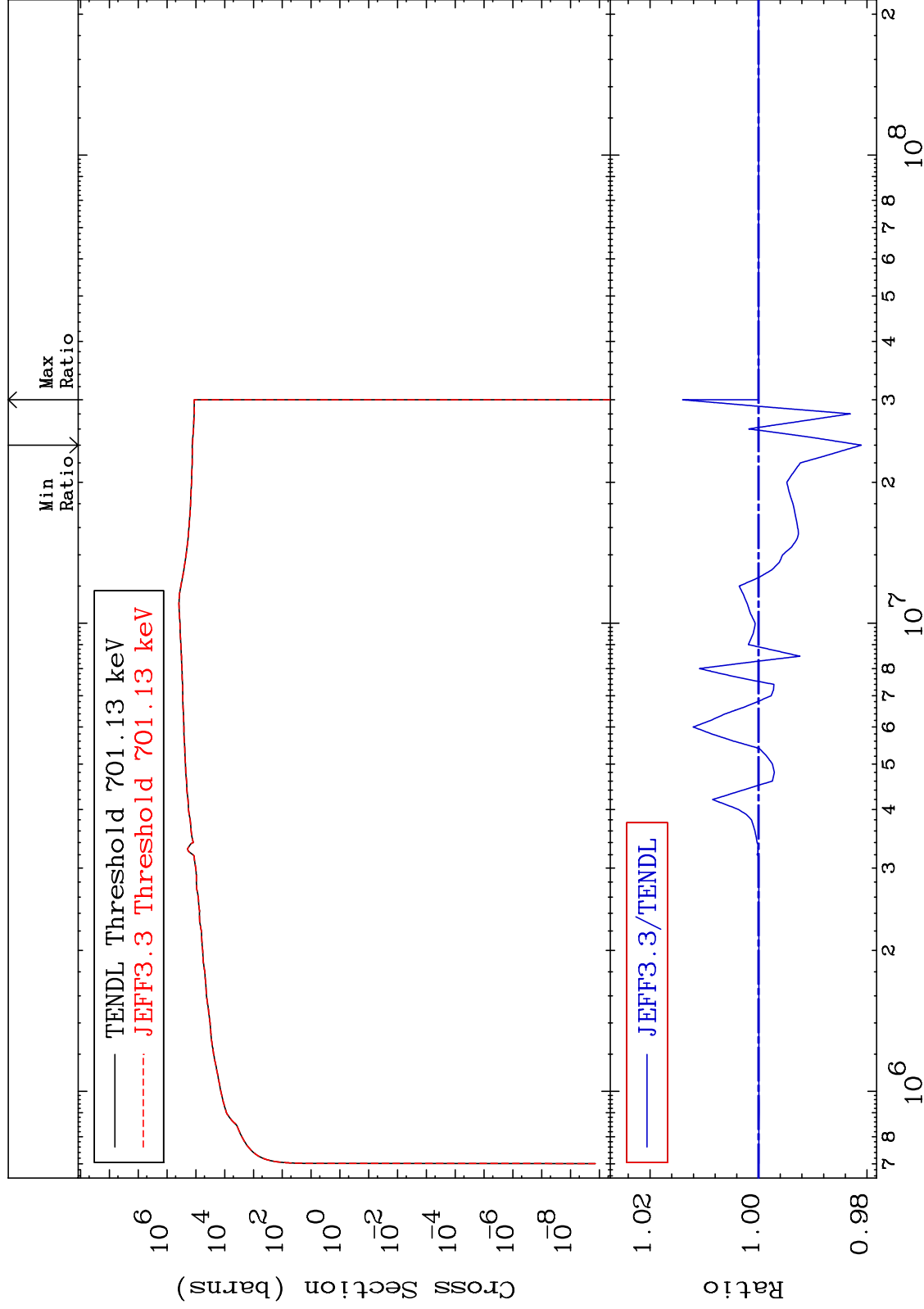
32-Ge-72
-100.0 To 9999. %



MAT 3231

Kerma inelastic (mt51-91)
Cross Section

32-Ge-72
-1.895 To 1.398 %



67

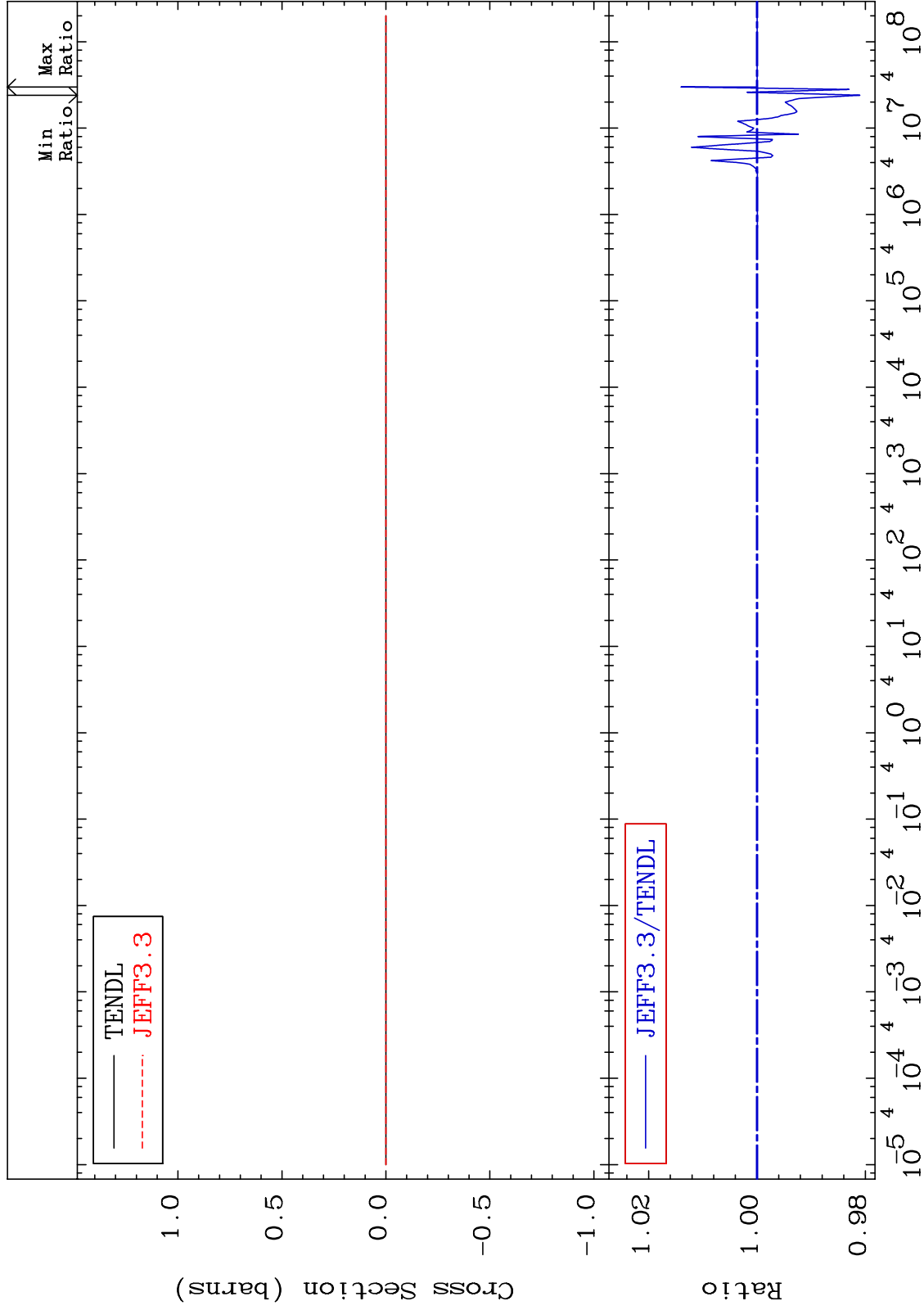
Incident Energy (eV)

32-Ge-72

MAT 3231

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

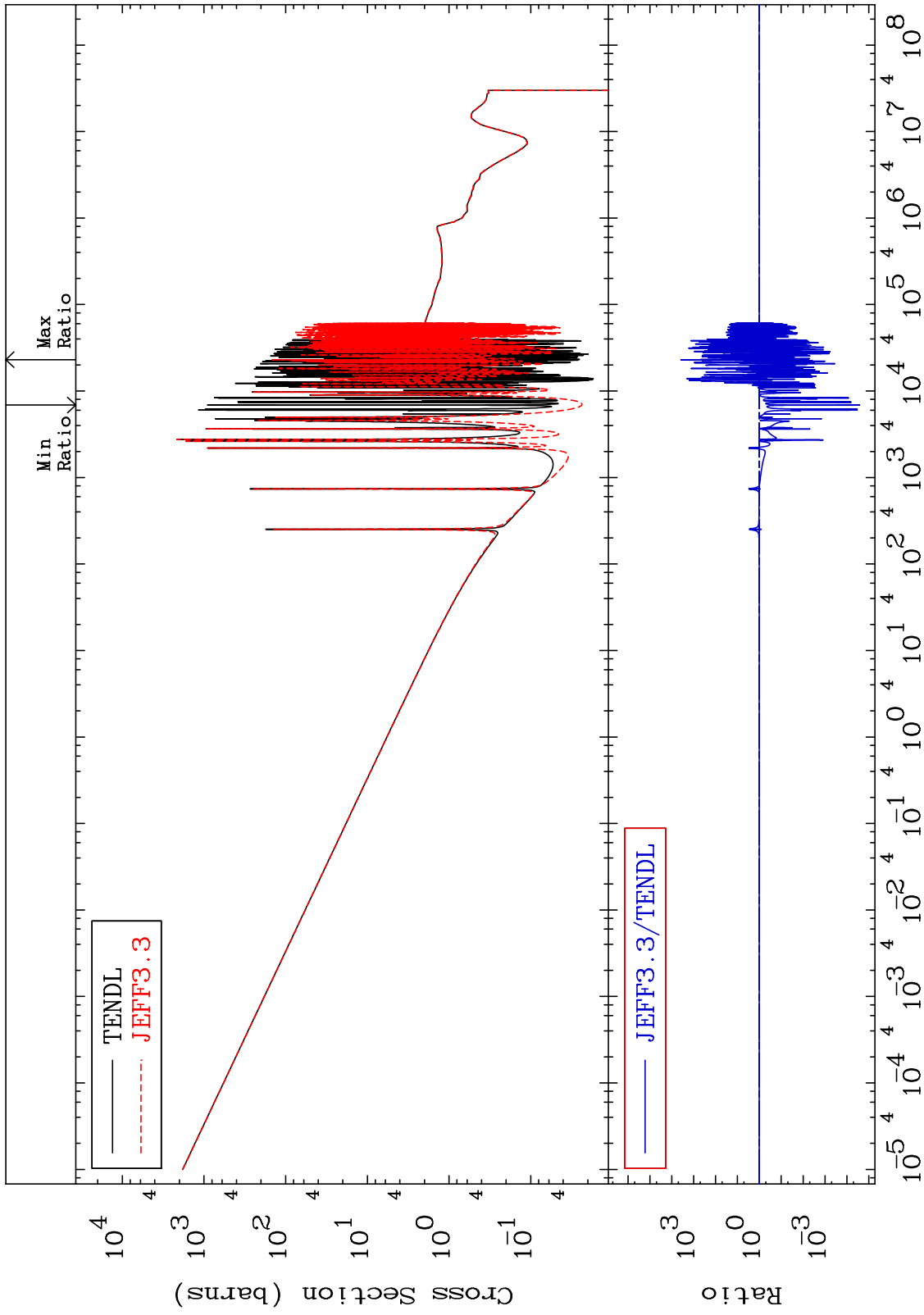
32-Ge-72
-1.895 To 1.398 %



MAT 3231

Kerma capture (mt102)
Cross Section

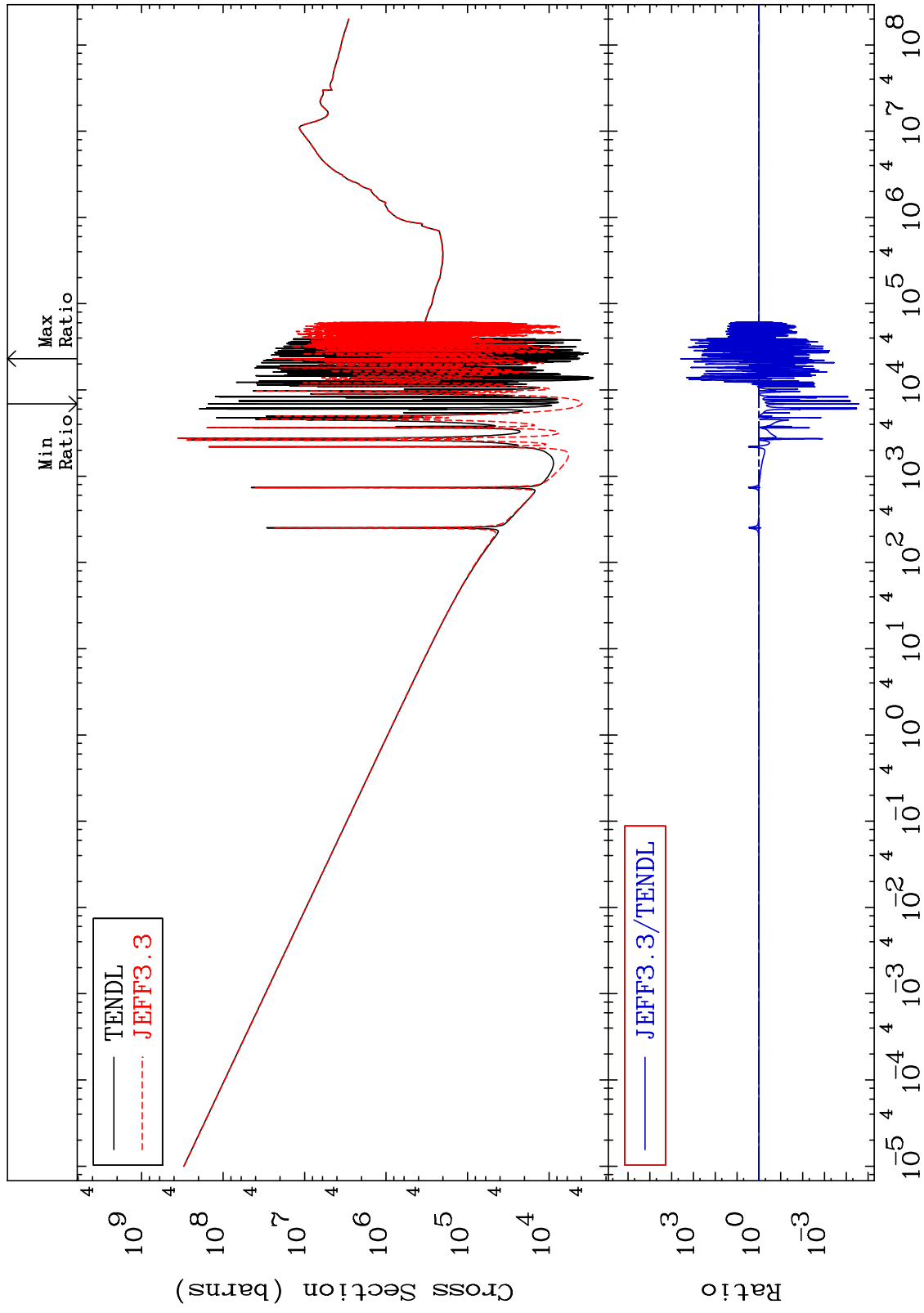
32-Ge-72
-100.0 To 9999. %



MAT 3231

Total photon (eV-barns)
Cross Section

32-Ge-72
-100.0 To 9999. %



70

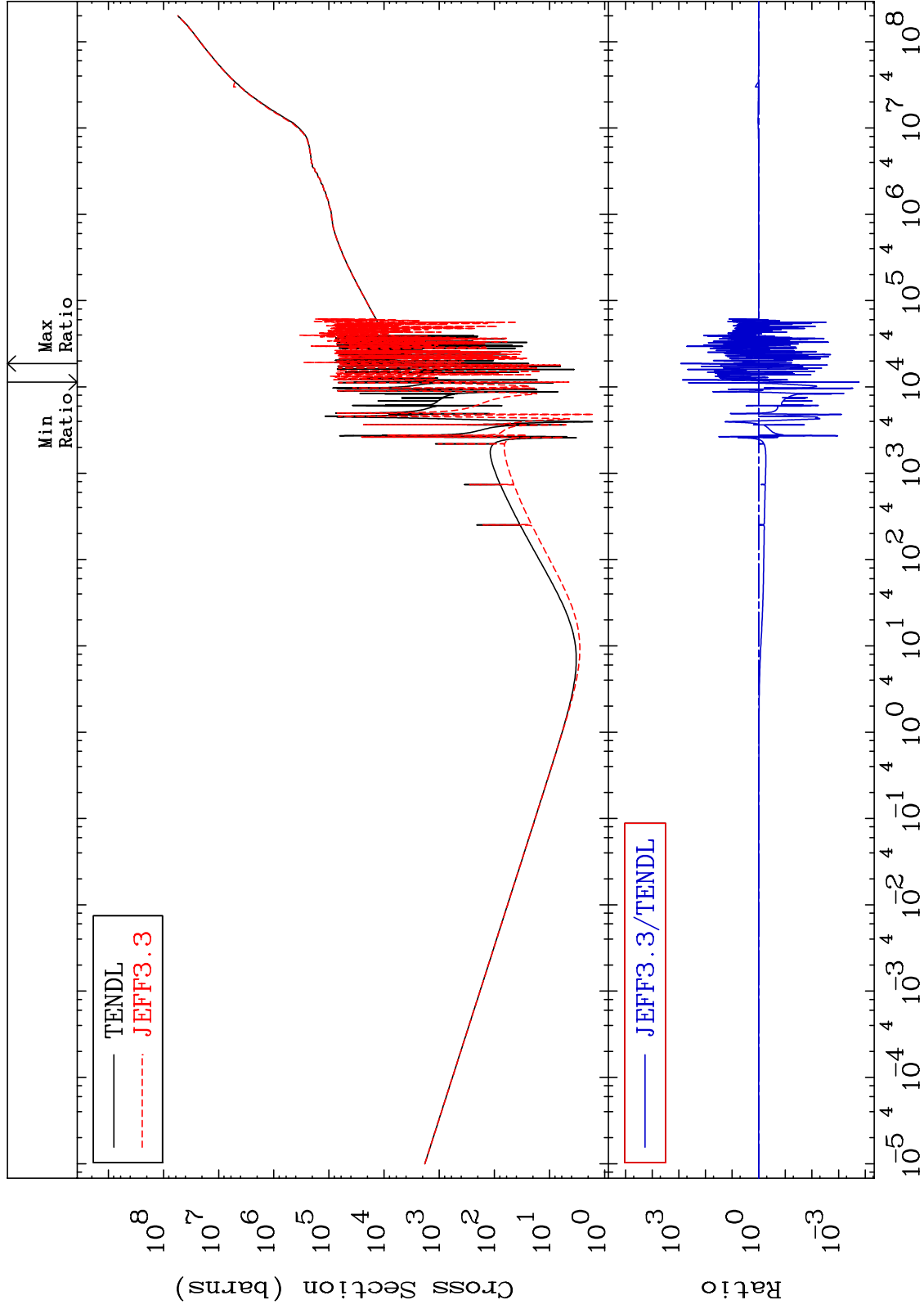
Incident Energy (eV)

32-Ge-72

MAT 3231

Total kinematic kerma (high limit)
Cross Section

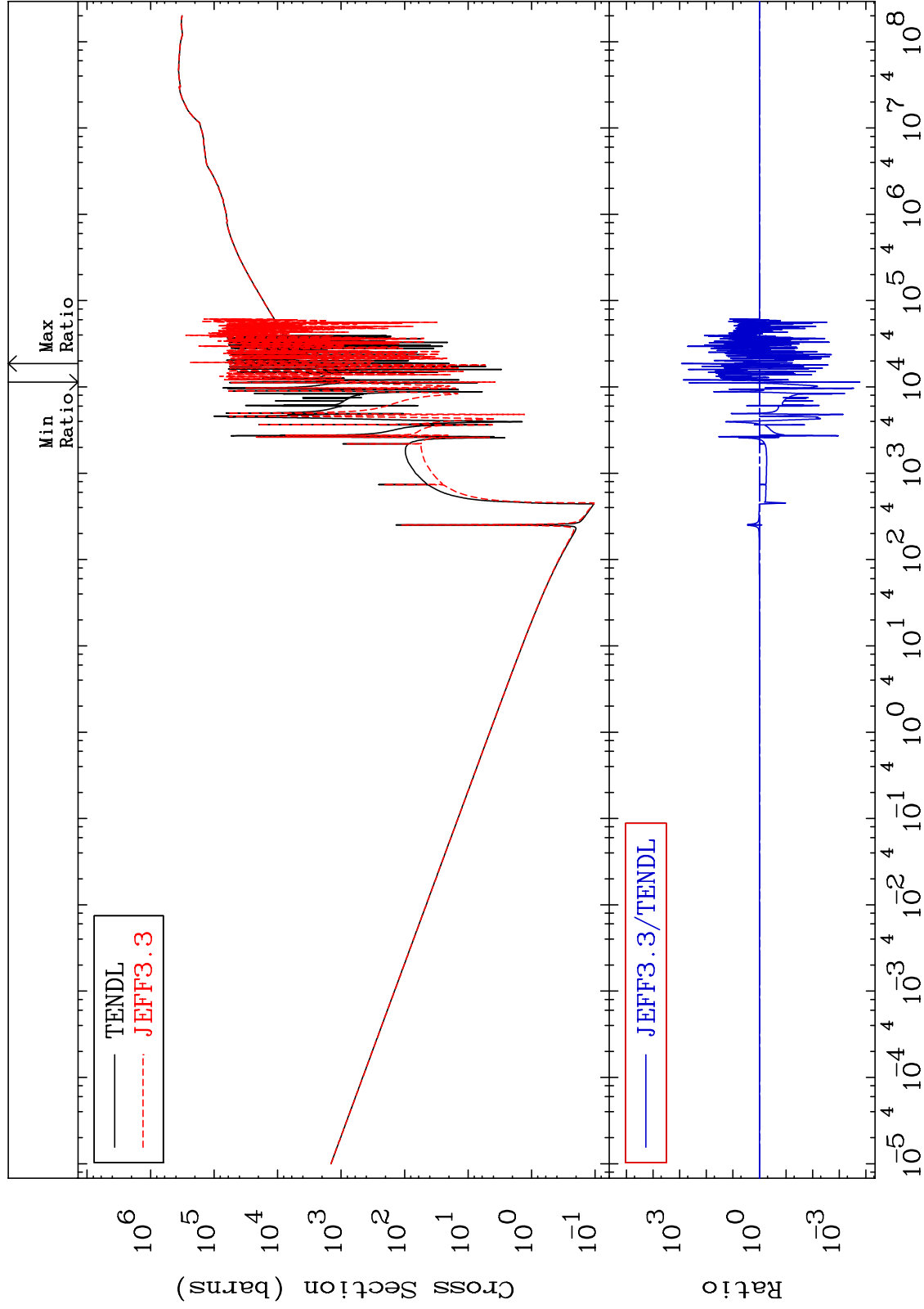
32-Ge-72
-99.98 To 9999. %



MAT 3231

Dpa total (eV-barns)
Cross Section

32-Ge-72
-99.98 To 9999. %



72

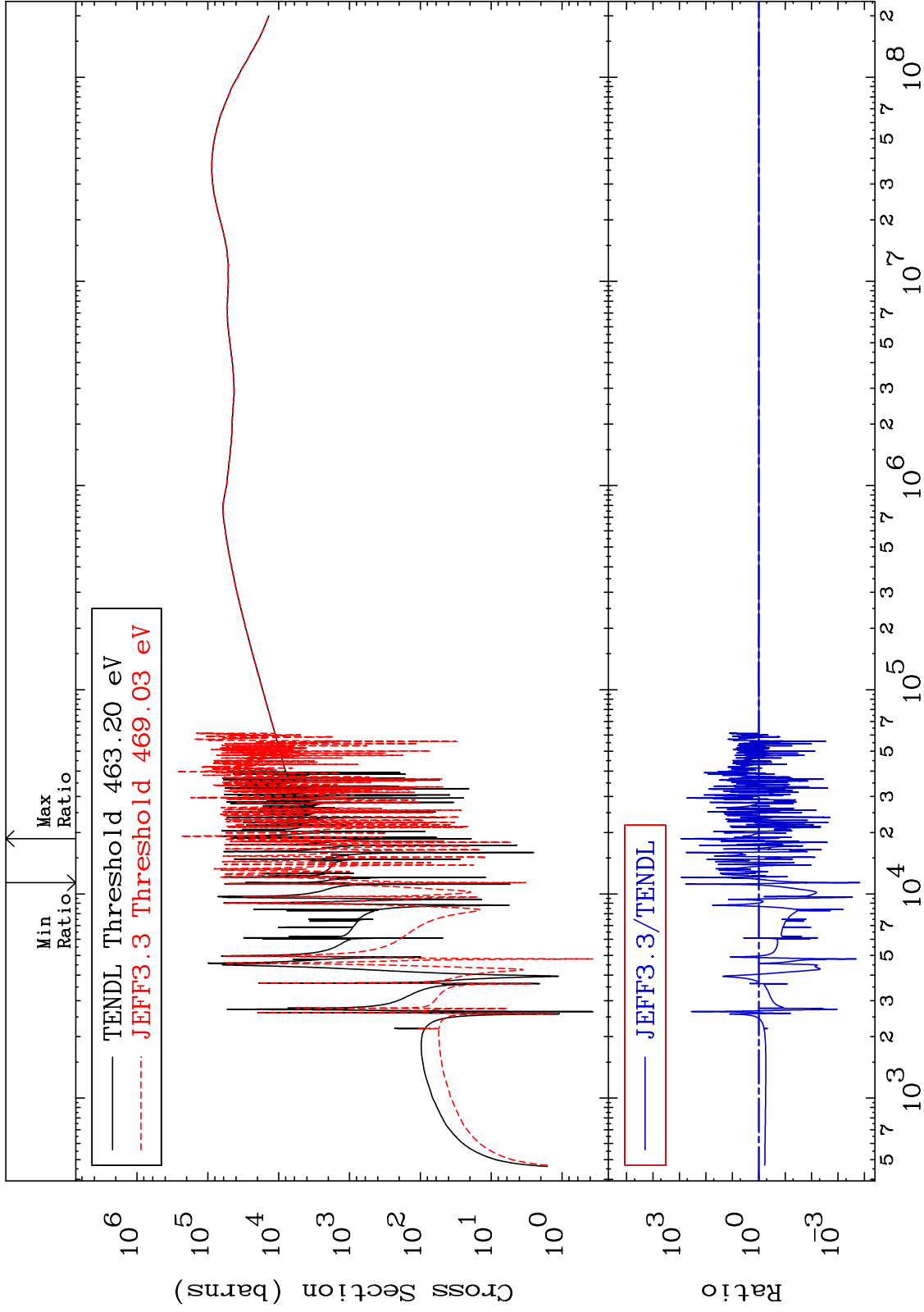
Incident Energy (eV)

32-Ge-72

MAT 3231

Dpa elastic (mt2)
Cross Section

32-Ge-72
-99.98 To 9999. %



73

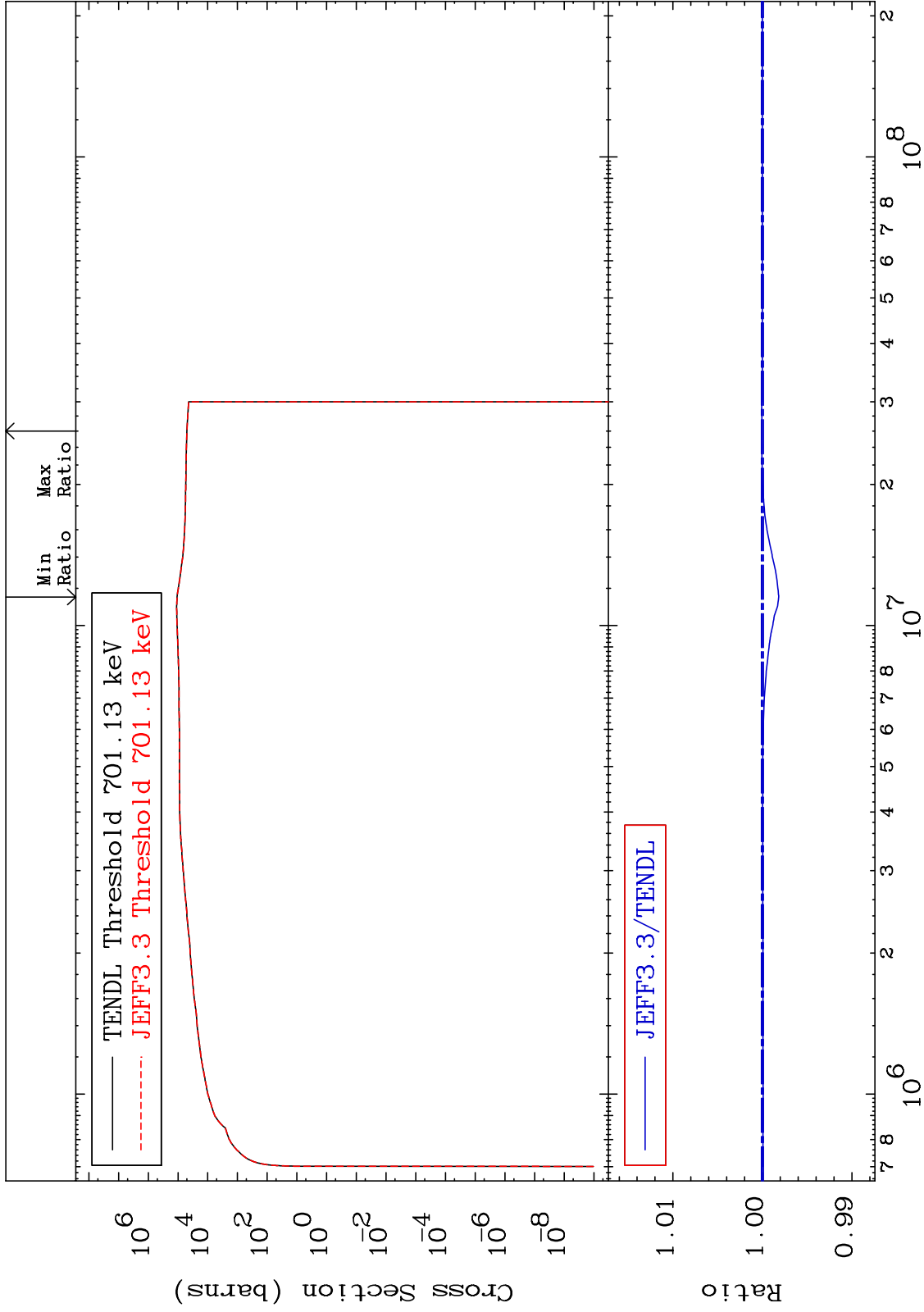
Incident Energy (eV)

32-Ge-72

MAT 3231

Dpa inelastic (mt51-91)
Cross Section

32-Ge-72
-0.183 To 0.007 %



74

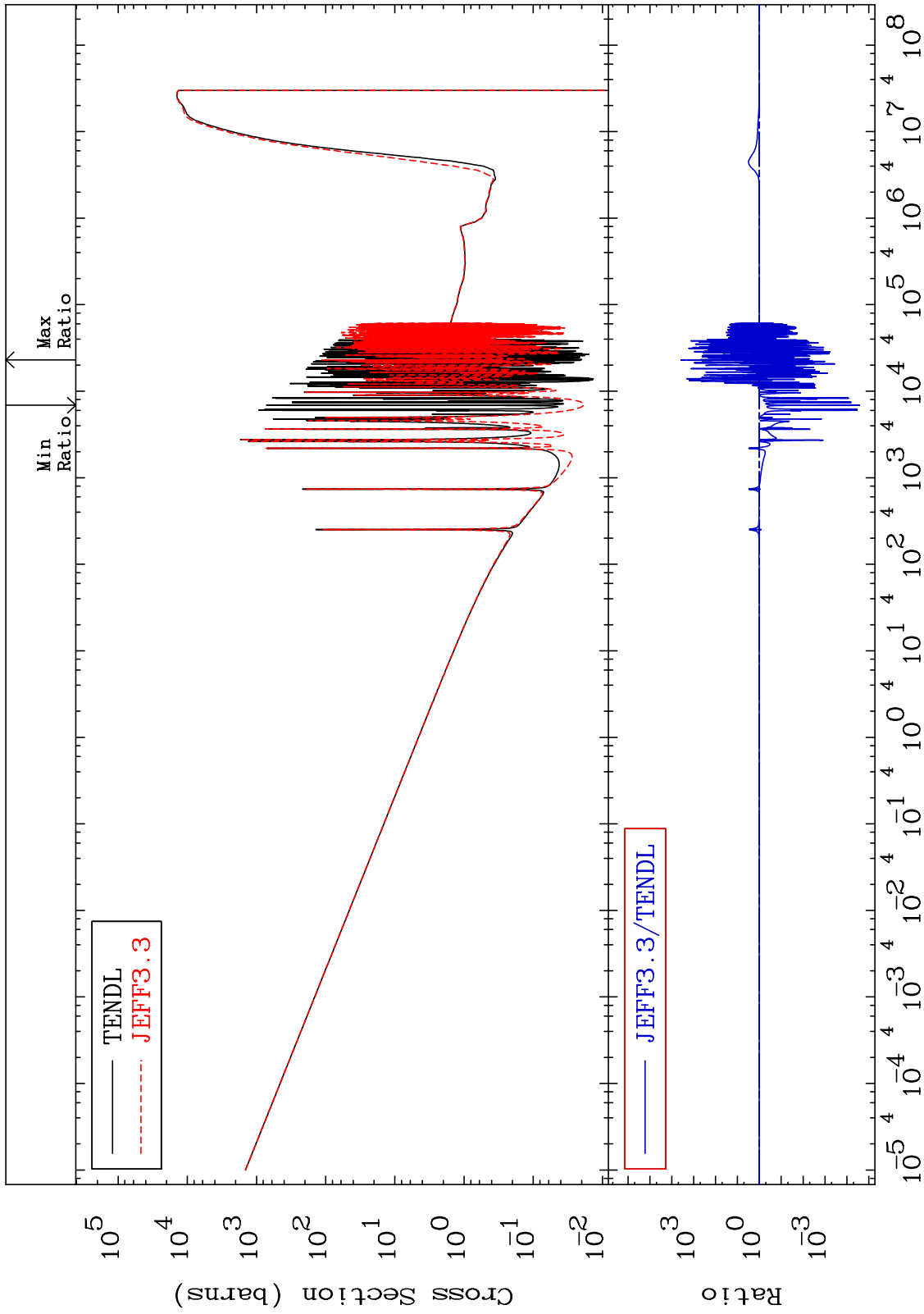
Incident Energy (eV)

32-Ge-72

MAT 3231

Dpa disappearance (mt102 -120)
Cross Section

32-Ge-72
-100.0 To 9999. %



75

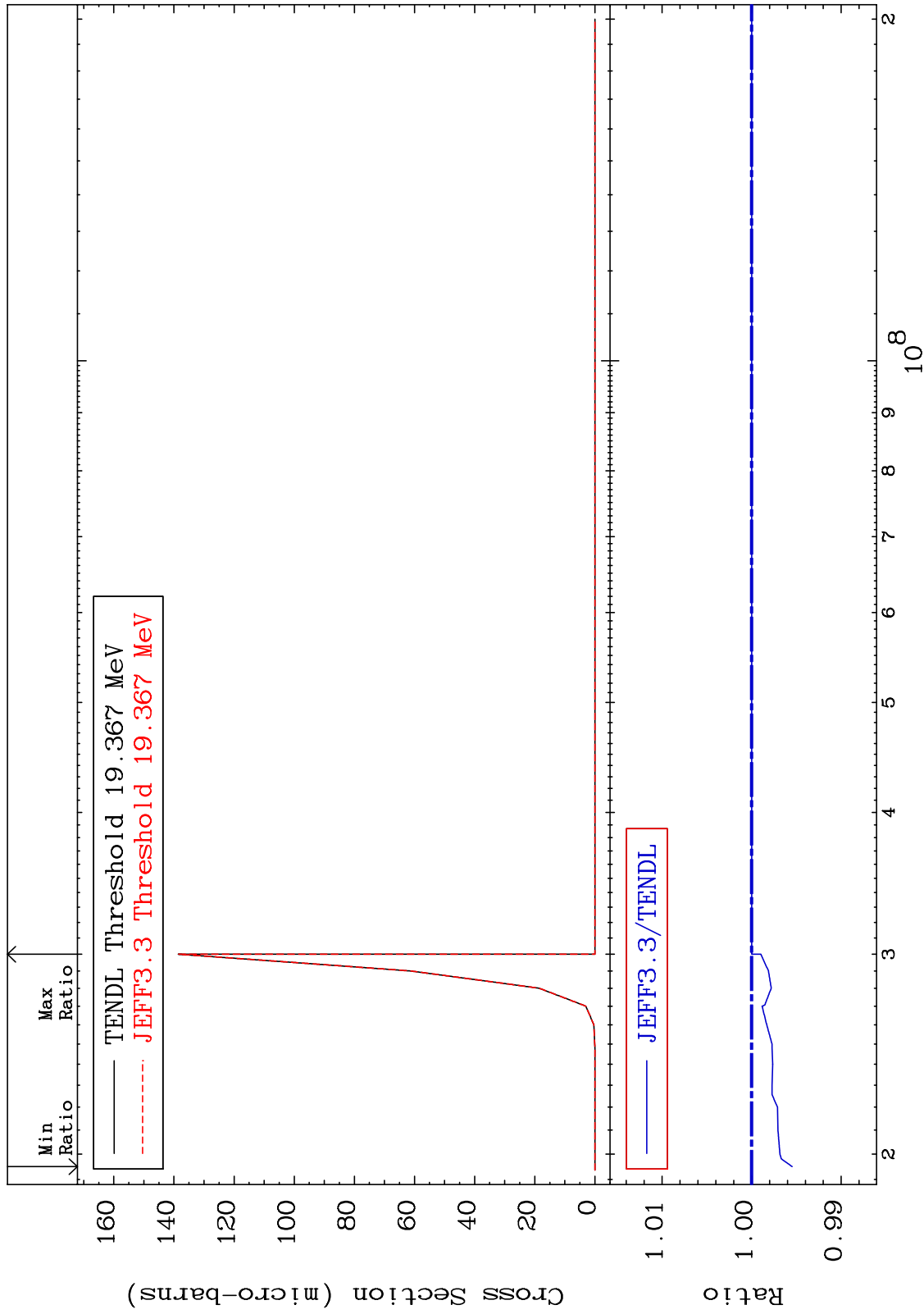
Incident Energy (eV)

32-Ge-72

MAT 3231

32-Ge-72

(n,n') He-3:30-Zn-69g
Radionuclide Production Cross Section -0.452 To 0.000 %

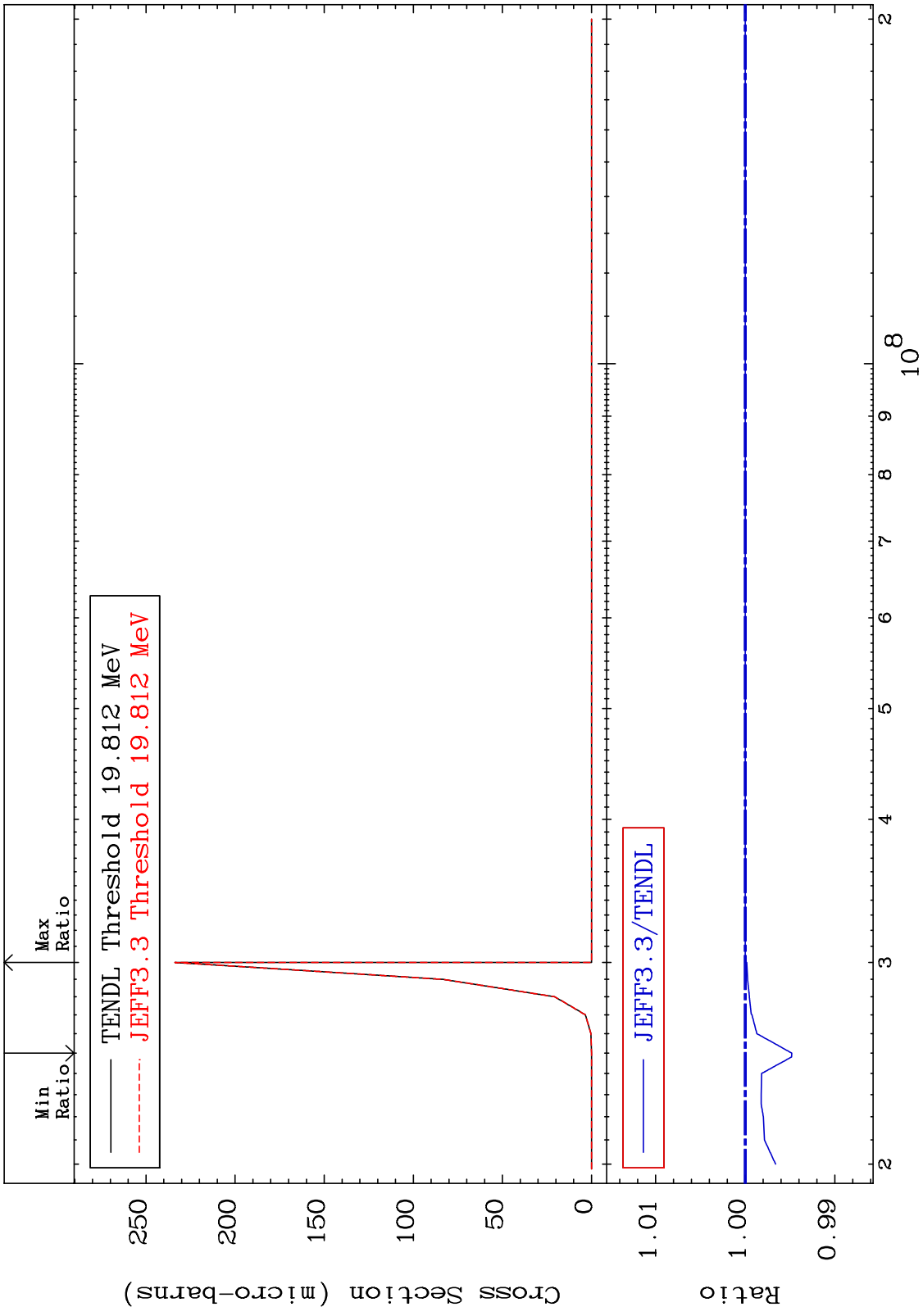


76

Incident Energy (eV)

32-Ge-72

MAT 3231 (n,n') He-3:30-Zn-69m1 32-Ge-72
 Radionuclide Production Cross Section -0.520 To 0.000 %

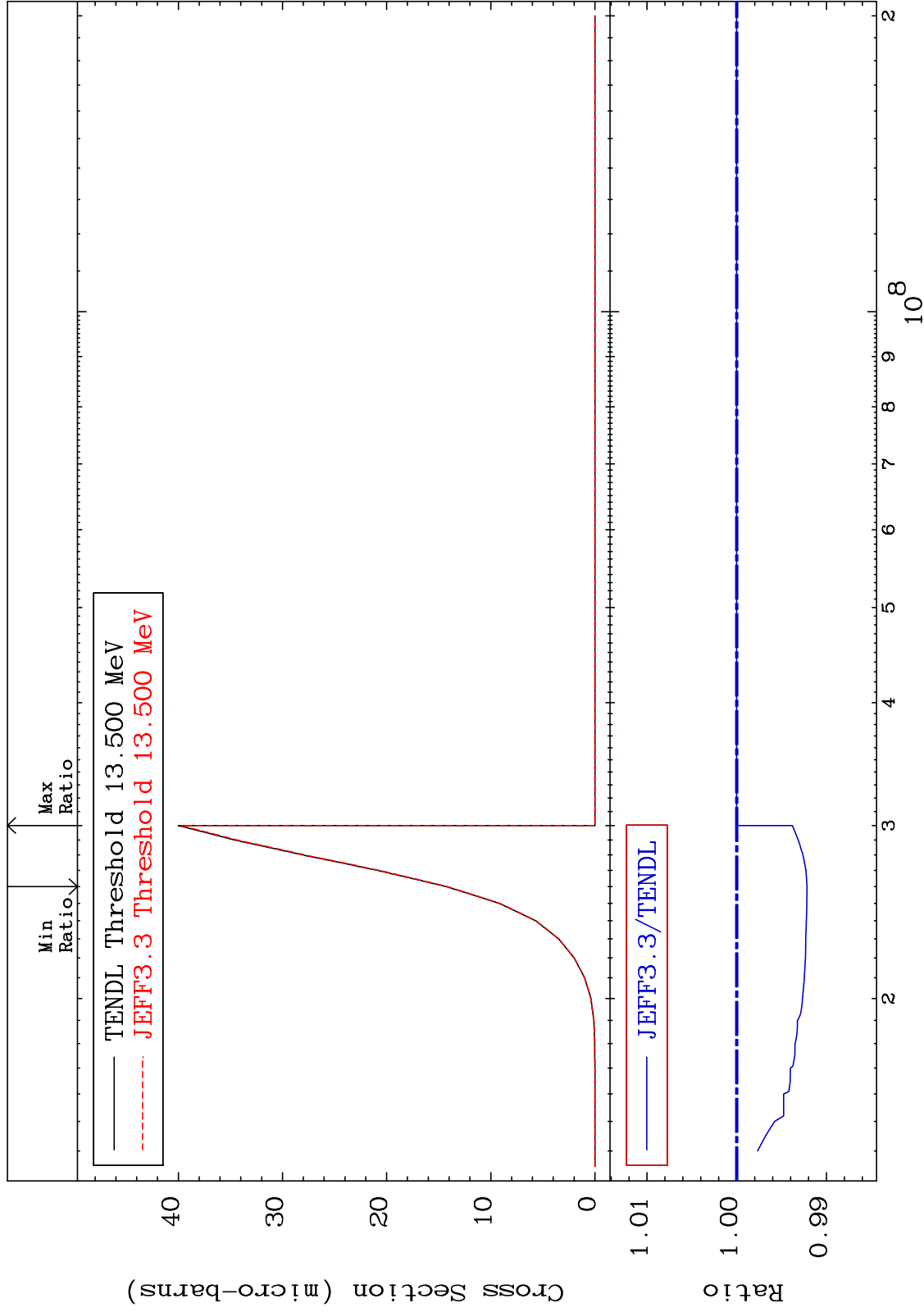


MAT 3231

(n,2p):30-Zn-71g

32-Ge-72

Radionuclide Production Cross Section -0.783 To 0.000 %



78

Incident Energy (eV)

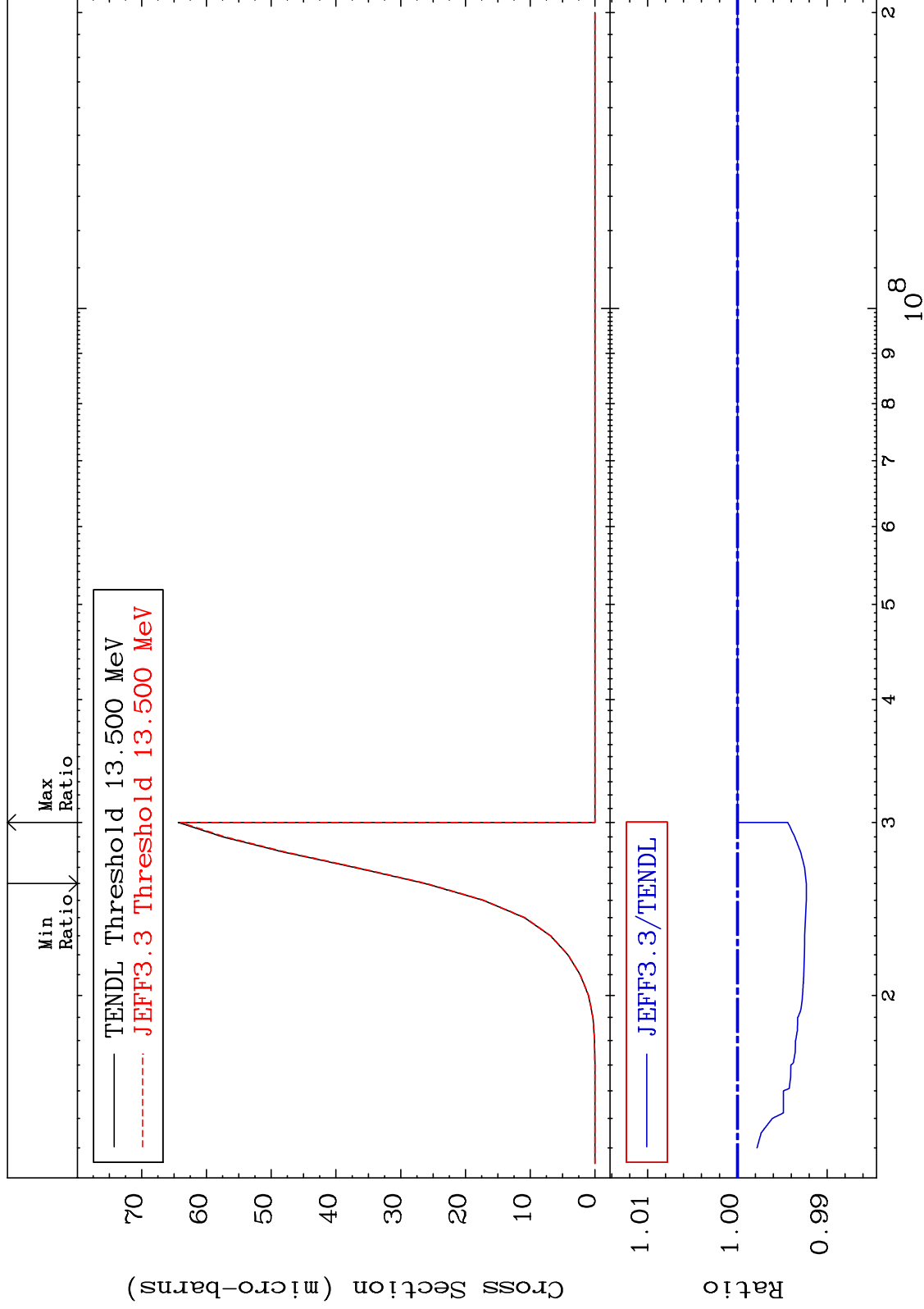
32-Ge-72

MAT 3231

(n,2p):30-Zn-71m1

32-Ge-72

Radionuclide Production Cross Section -0.768 To 0.000 %



79

Incident Energy (eV)

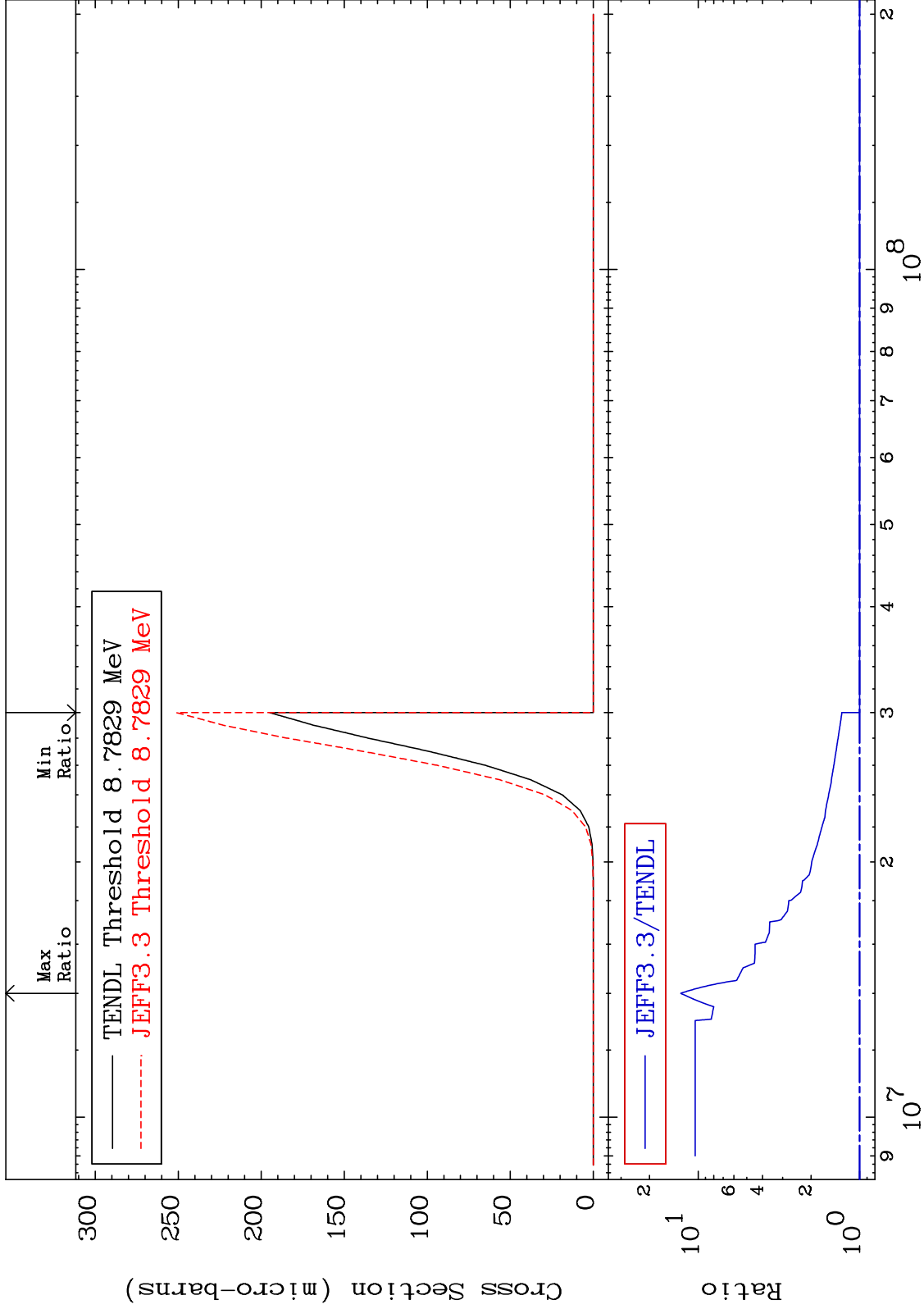
32-Ge-72

MAT 3231

(n,p) α :29-Cu-68g

32-Ge-72

Radionuclide Production Cross Section 0.000 To 1180. %

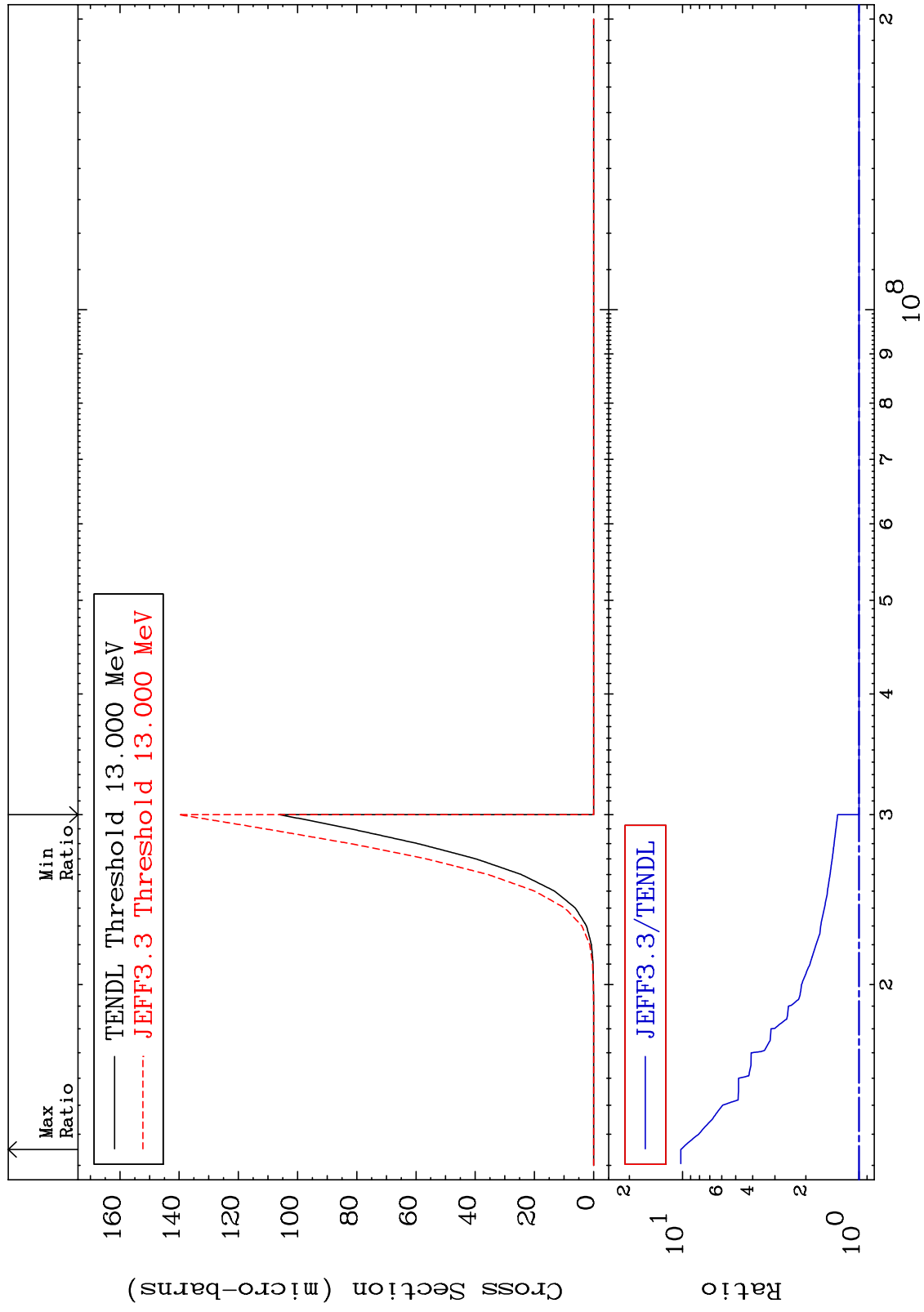


80

Incident Energy (eV)

32-Ge-72

MAT 3231 (n,p) α :29-Cu-68m3 32-Ge-72
 Radionuclide Production Cross Section 0.000 To 921.4 %

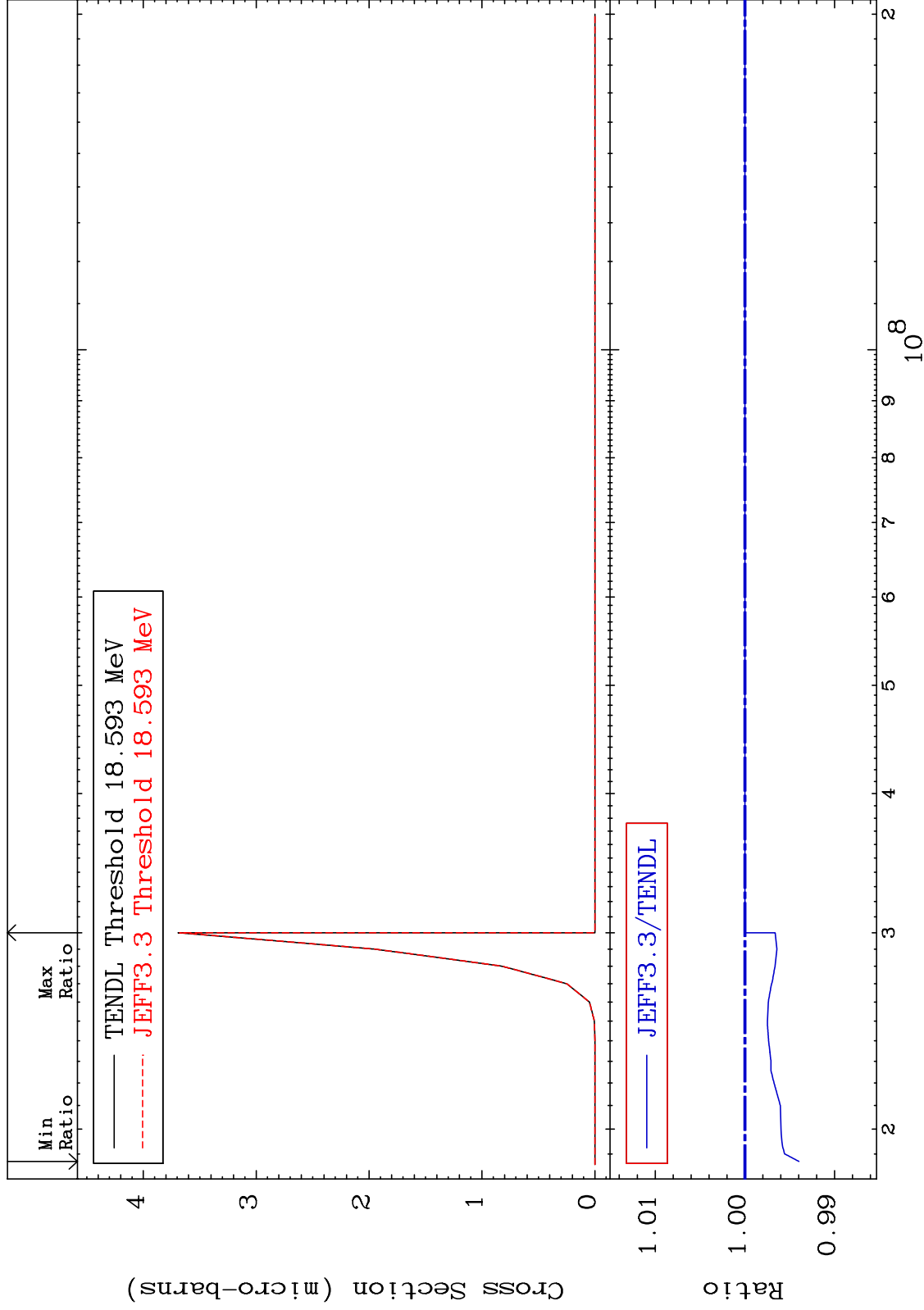


MAT 3231

(n,p) t:30-Zn-69g

32-Ge-72

Radionuclide Production Cross Section -0.602 To 0.000 %



82

Incident Energy (eV)

32-Ge-72

MAT 3231

(n,p) t:30-Zn-69m1

32-Ge-72

Radionuclide Production Cross Section -1.022 To 0.000 %

