

Program Complot
(Version 2018-1)

by

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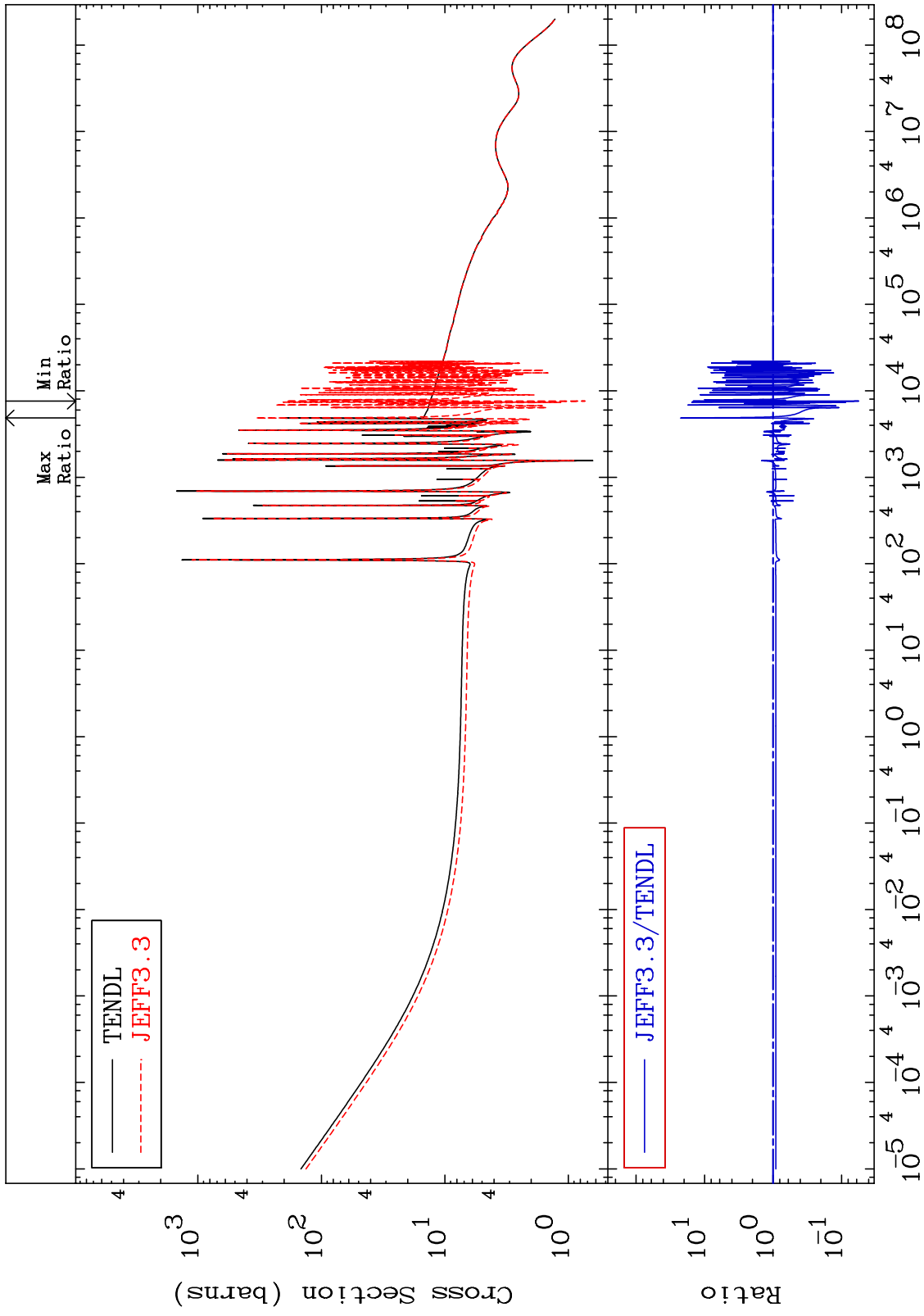
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3125

Total
Cross Section

31-Ga-69
-94.42 To 2170. %



1

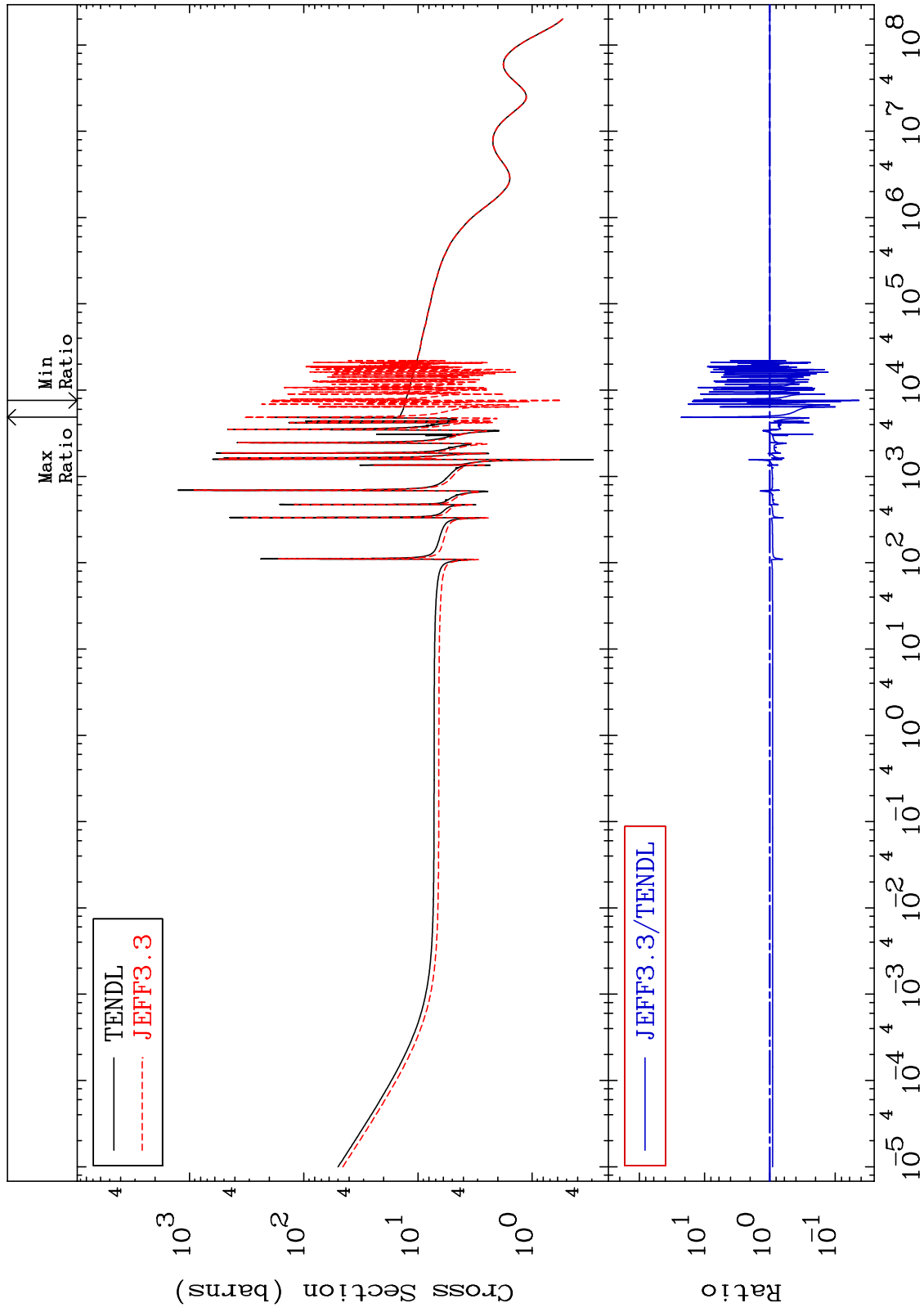
Incident Energy (eV)

31-Ga-69

MAT 3125

Elastic
Cross Section

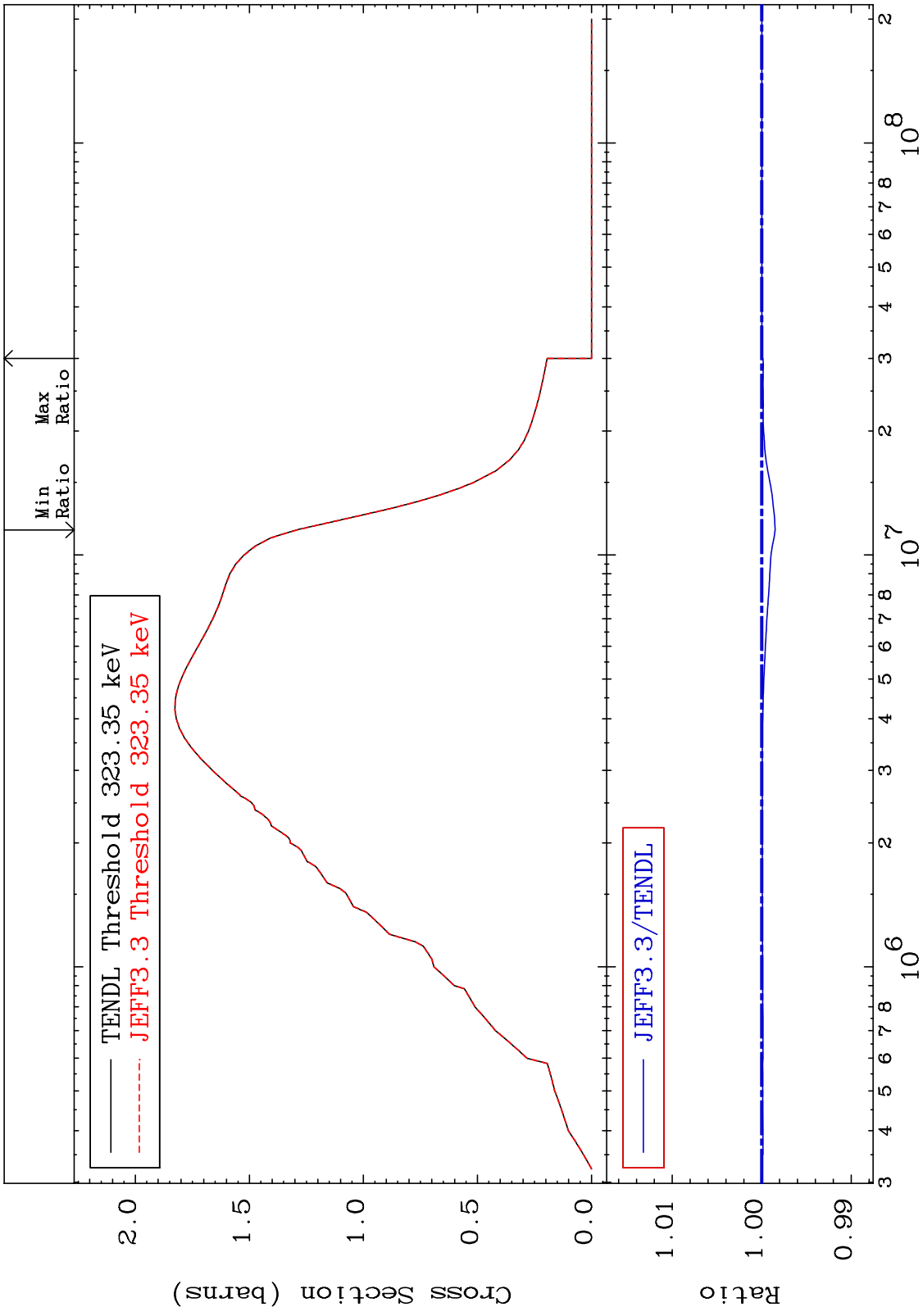
31-Ga-69
-95.69 To 2225. %



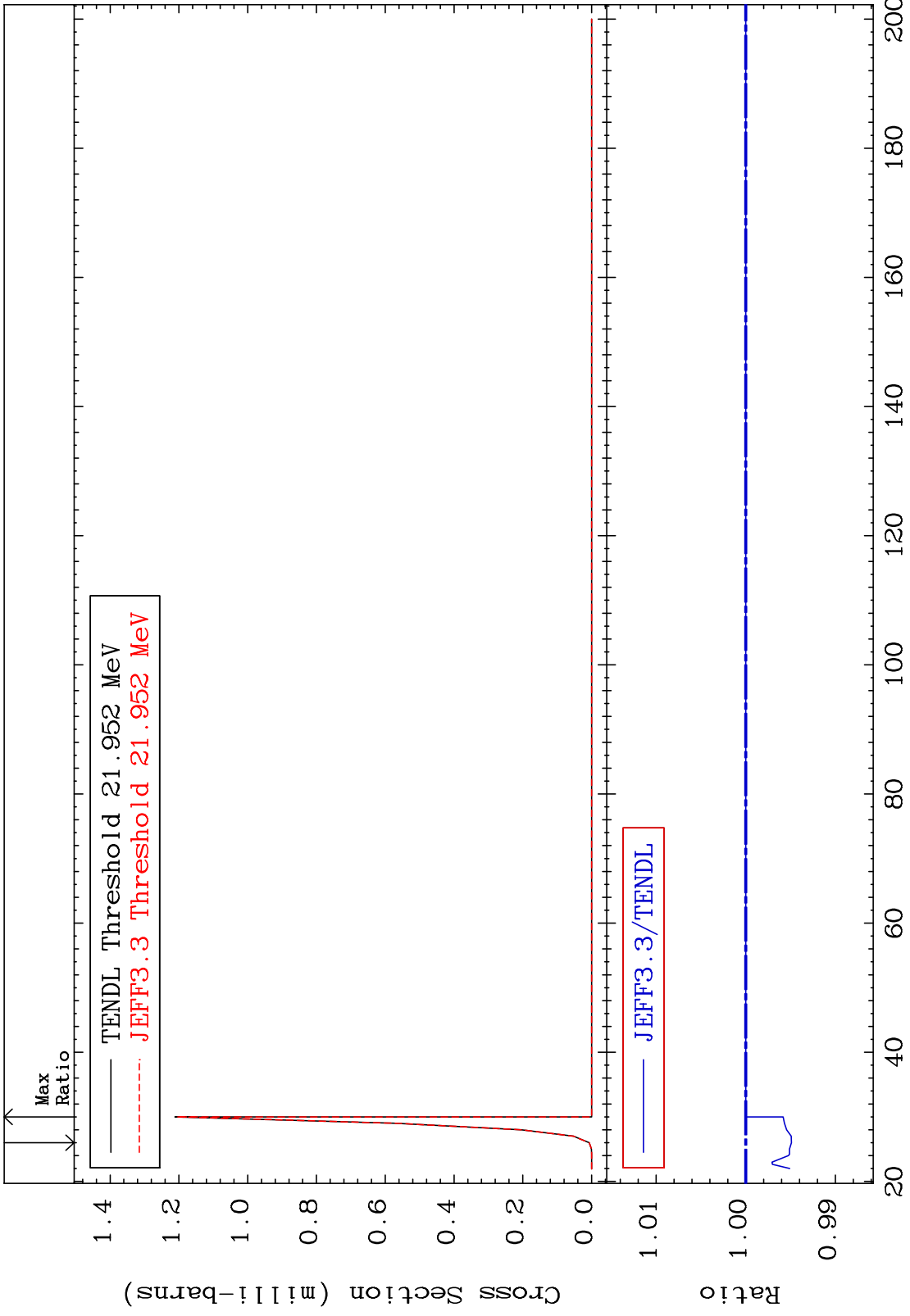
2

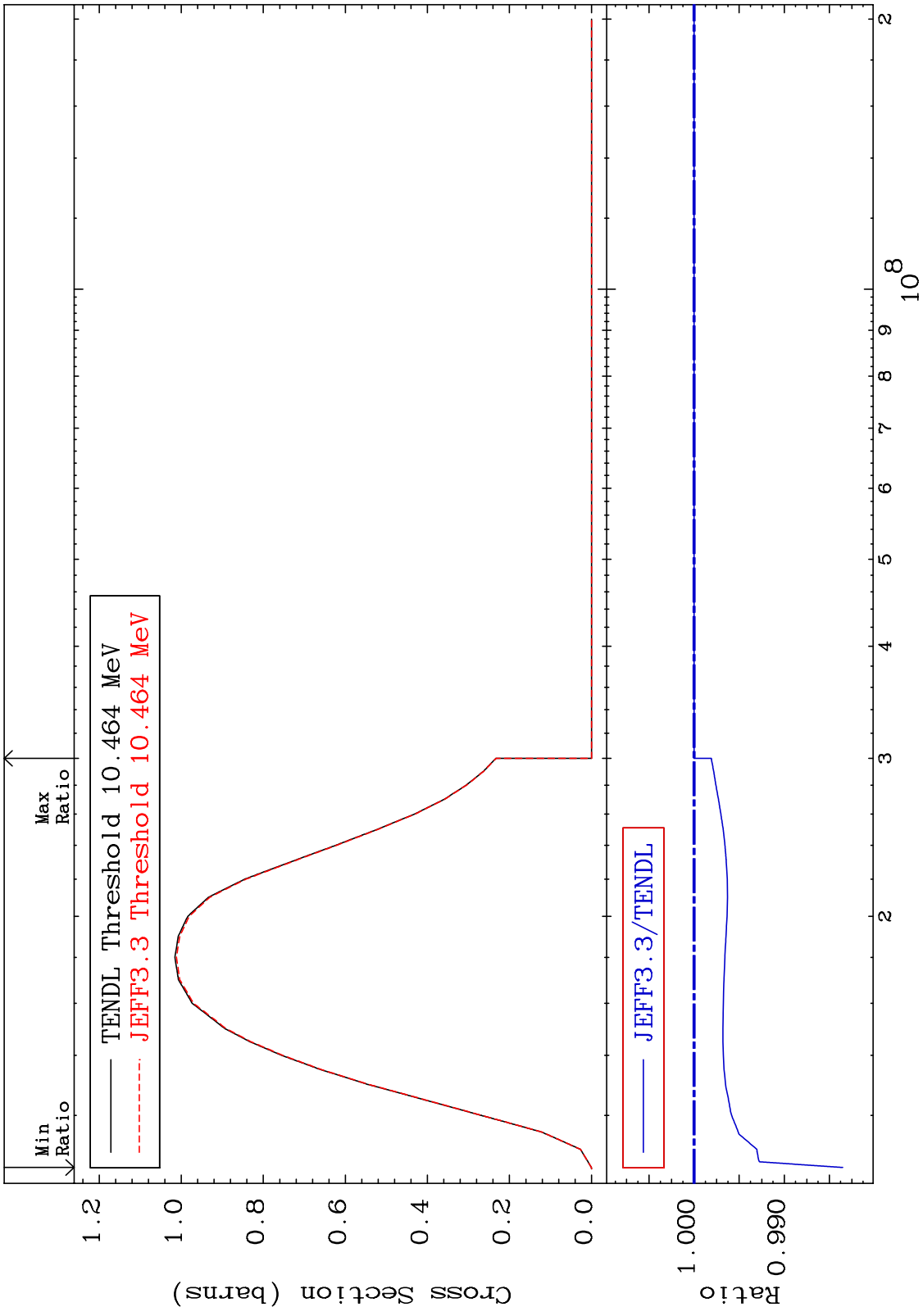
Incident Energy (eV)

31-Ga-69

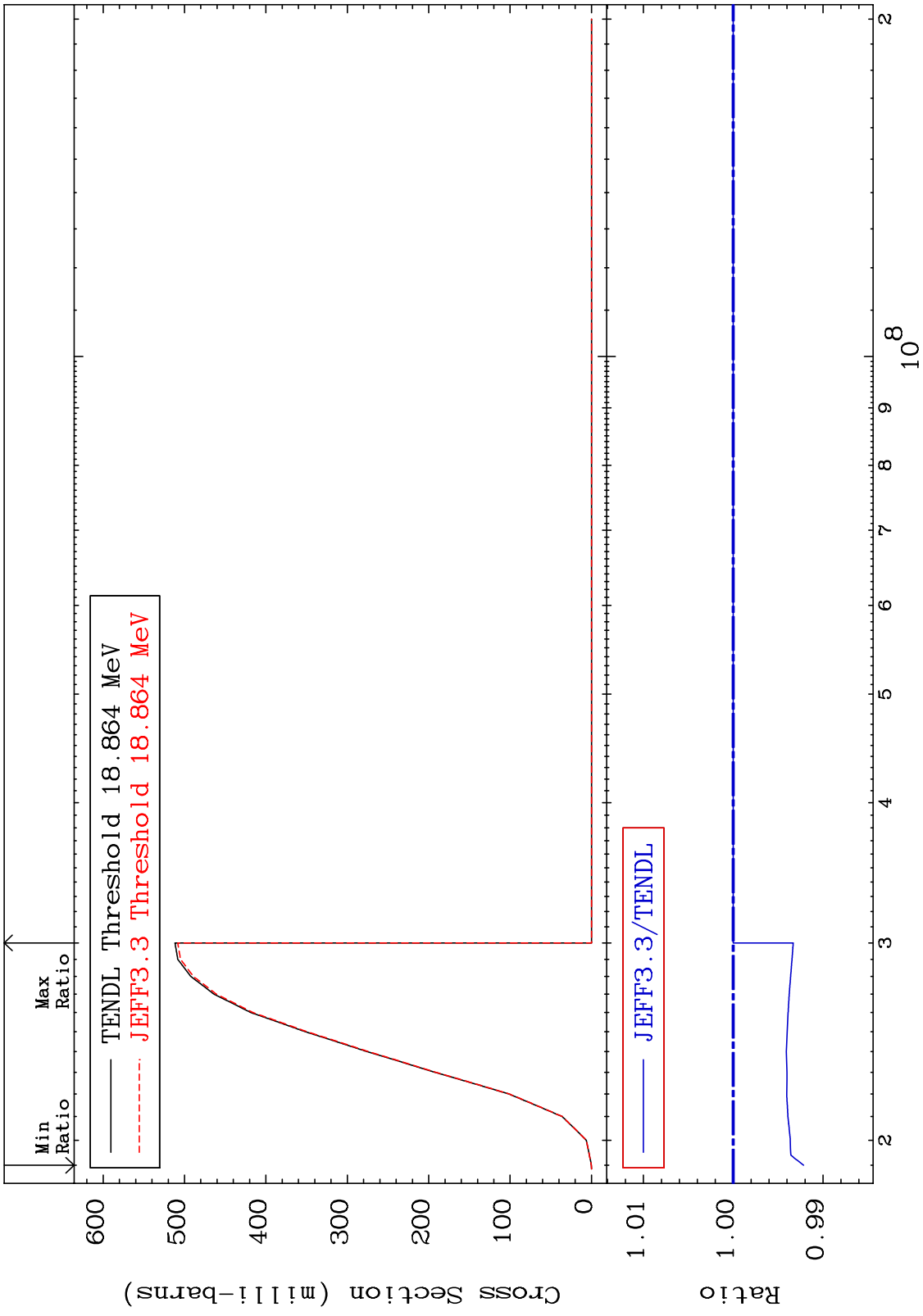


MAT 3125 (n,2n) d 31-Ga-69
 Cross Section -0.509 To 0.000 %



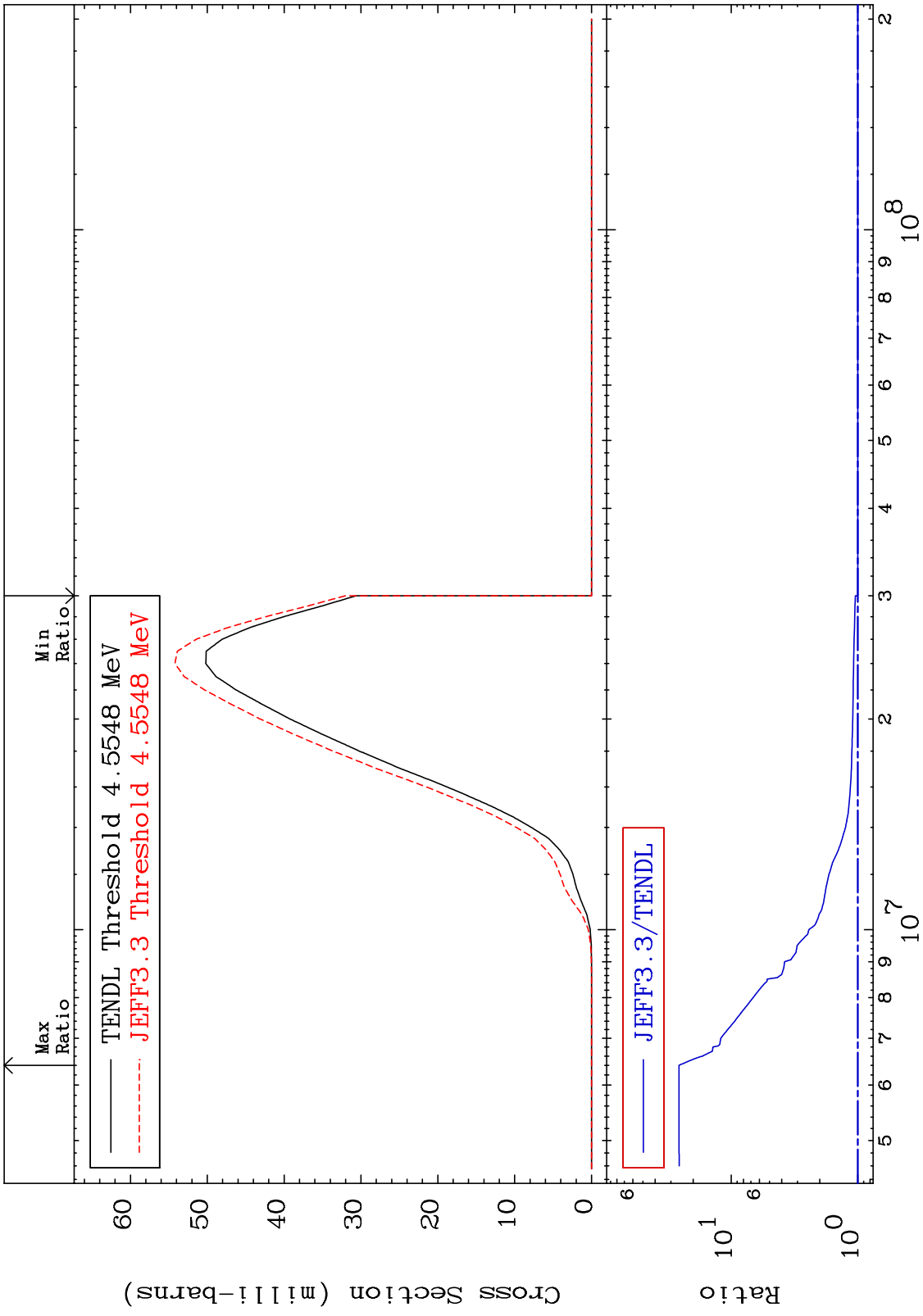


MAT 3125 $(n, 3n)$ $^{31}\text{Ga-69}$
 Cross Section -0.785 To 0.000 %



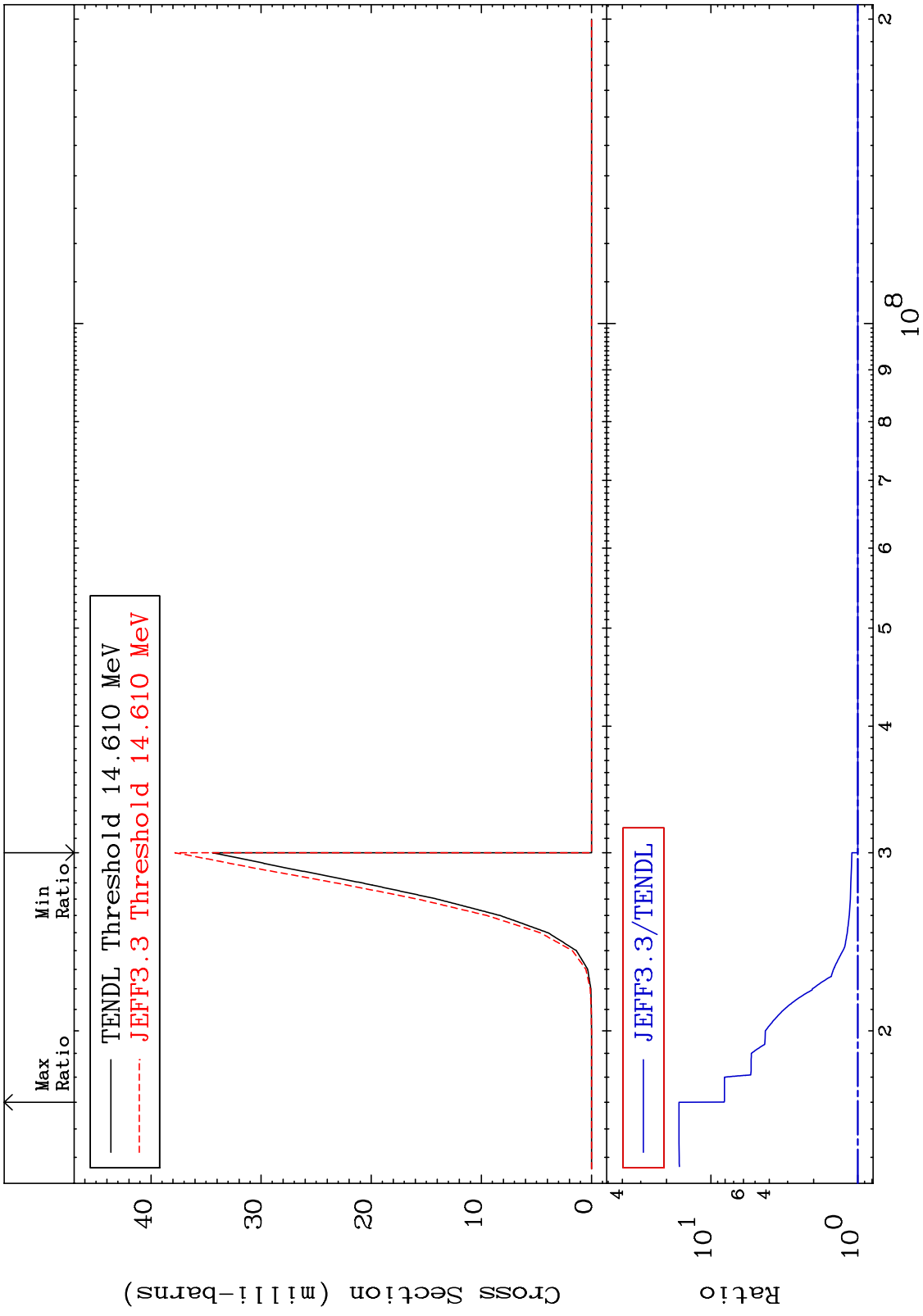
6 Incident Energy (eV) $^{31}\text{Ga-69}$

MAT 3125 $(n, n') \alpha$ 31-Ga-69 To 2486. %
Cross Section



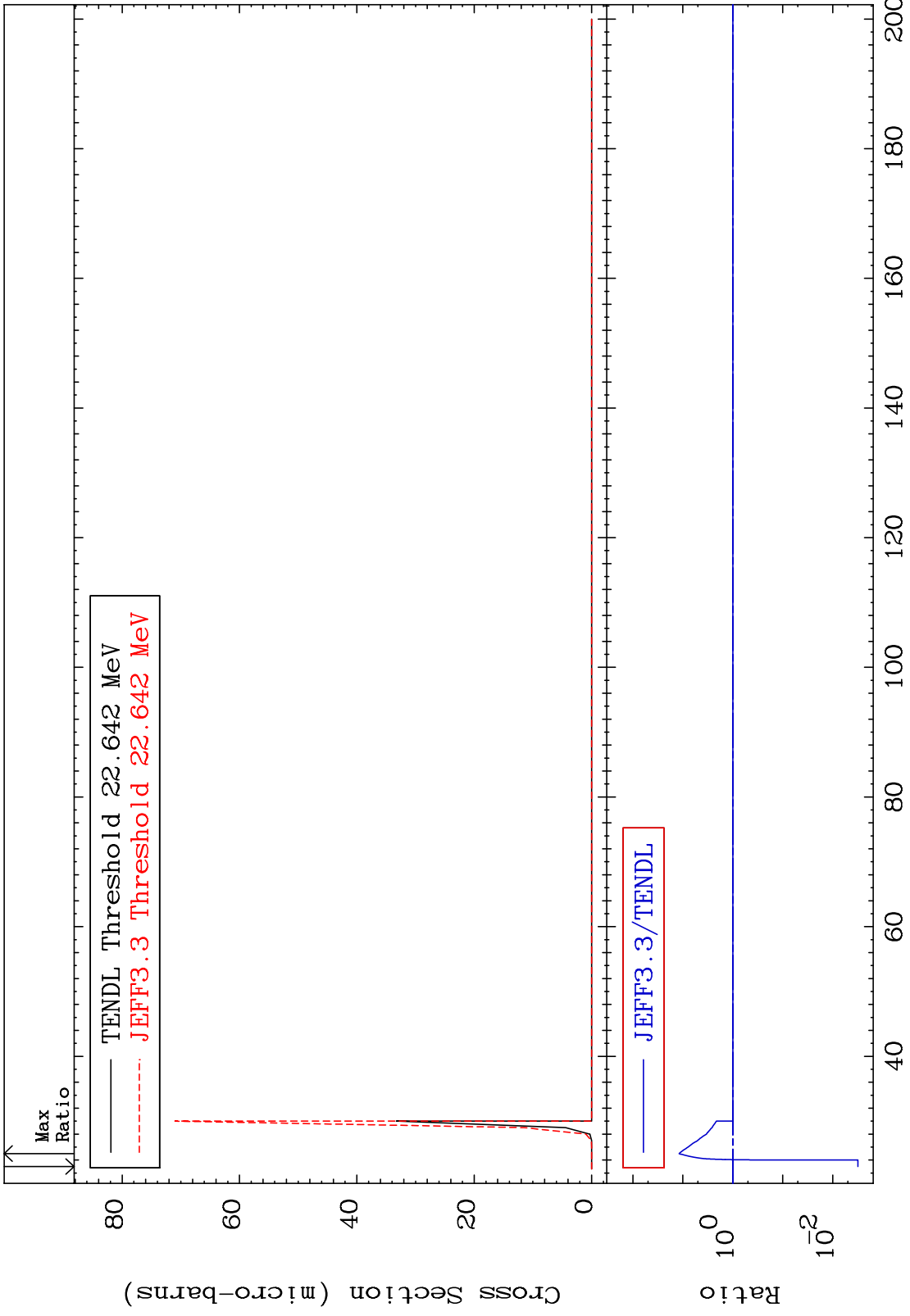
7 31-Ga-69

MAT 3125 $(n, 2n) \alpha$ 31-Ga-69
 Cross Section 0.000 To 1546. %

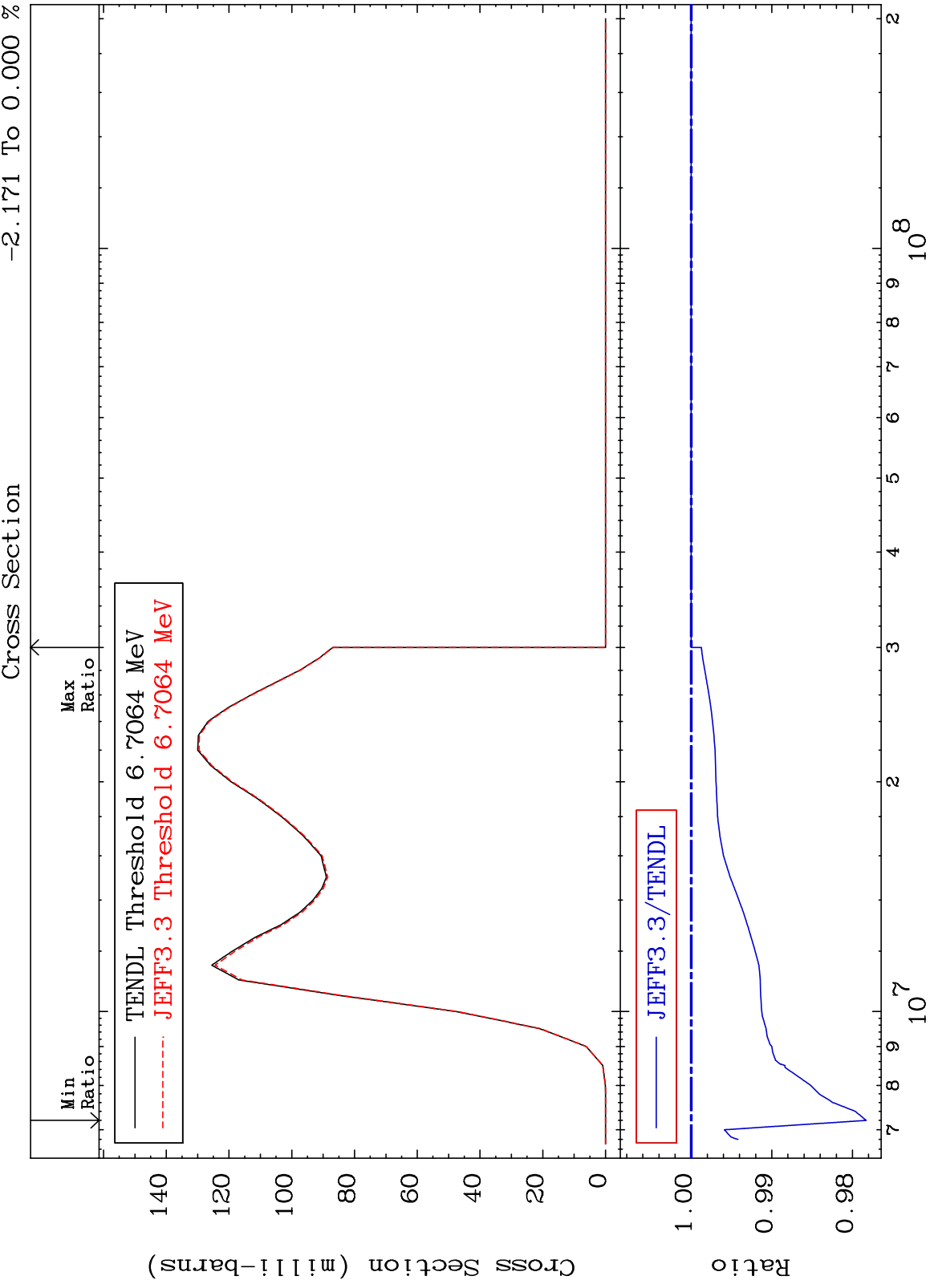


31-Ga-69

MAT 3125 $(n, 3n) \alpha$ 31-Ga-69
Cross Section -99.69 To 1089. %

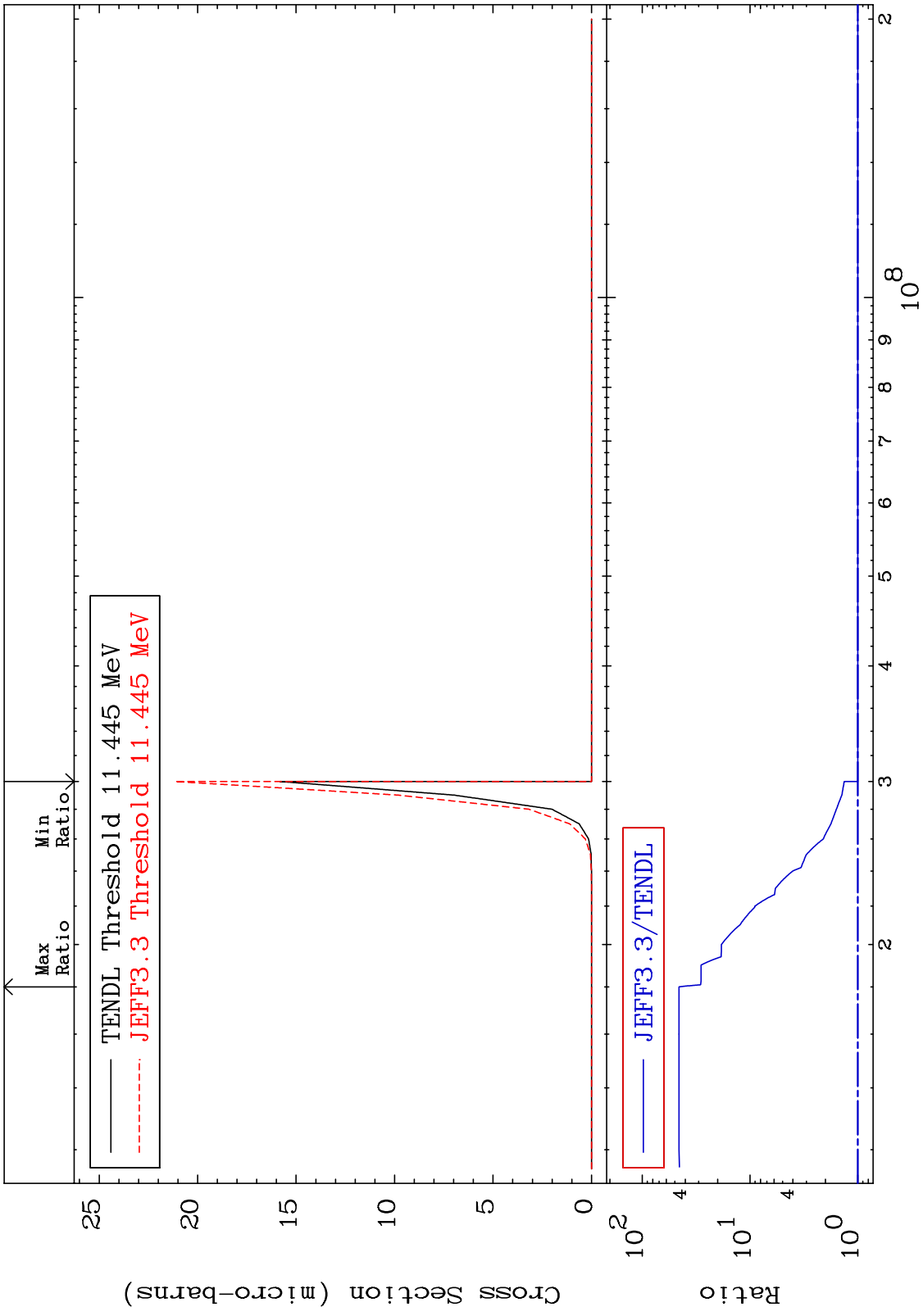


MAT 3125 (n, n') p 31-Ga-69 -2.171 To 0.000 %

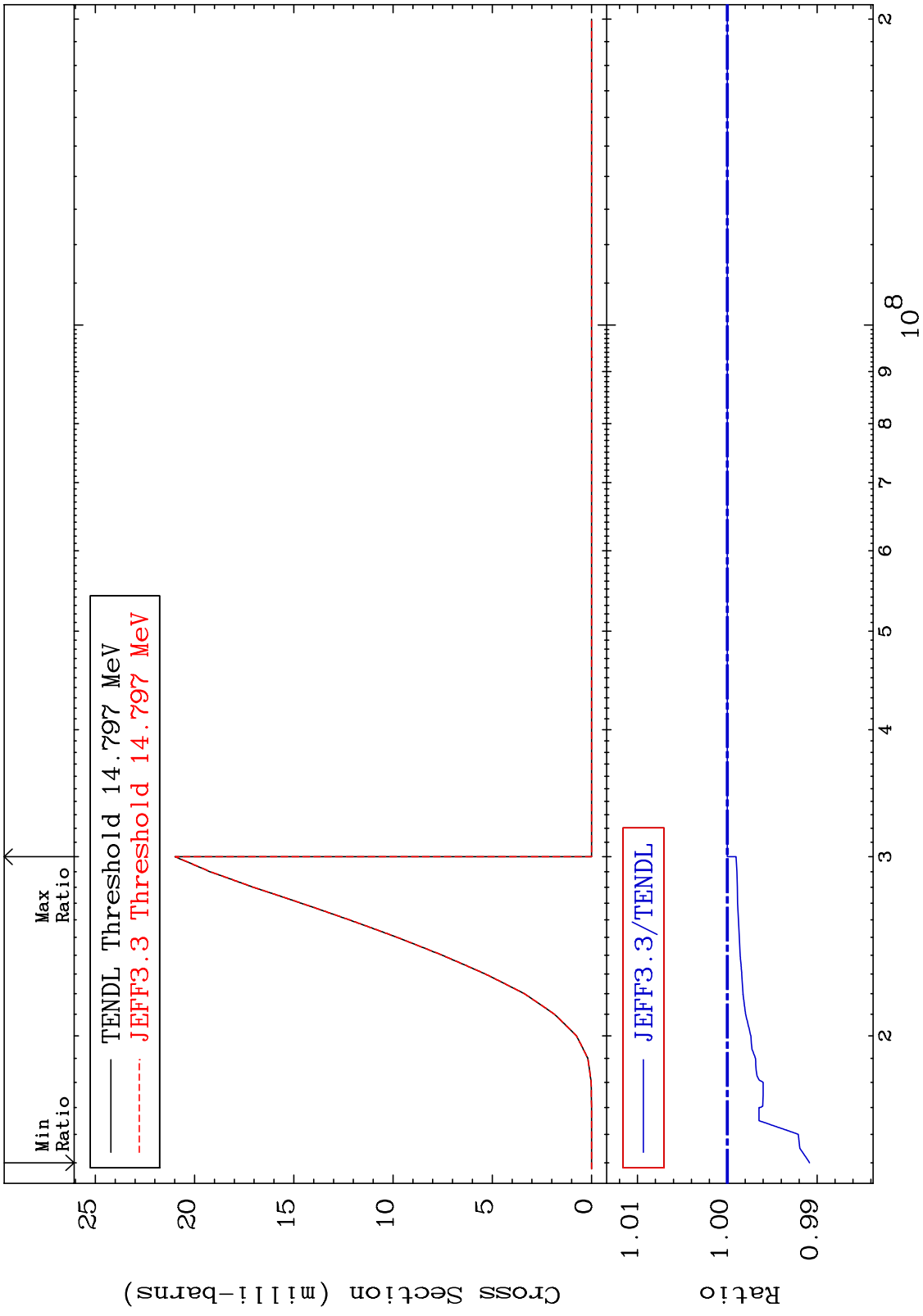


31-Ga-69

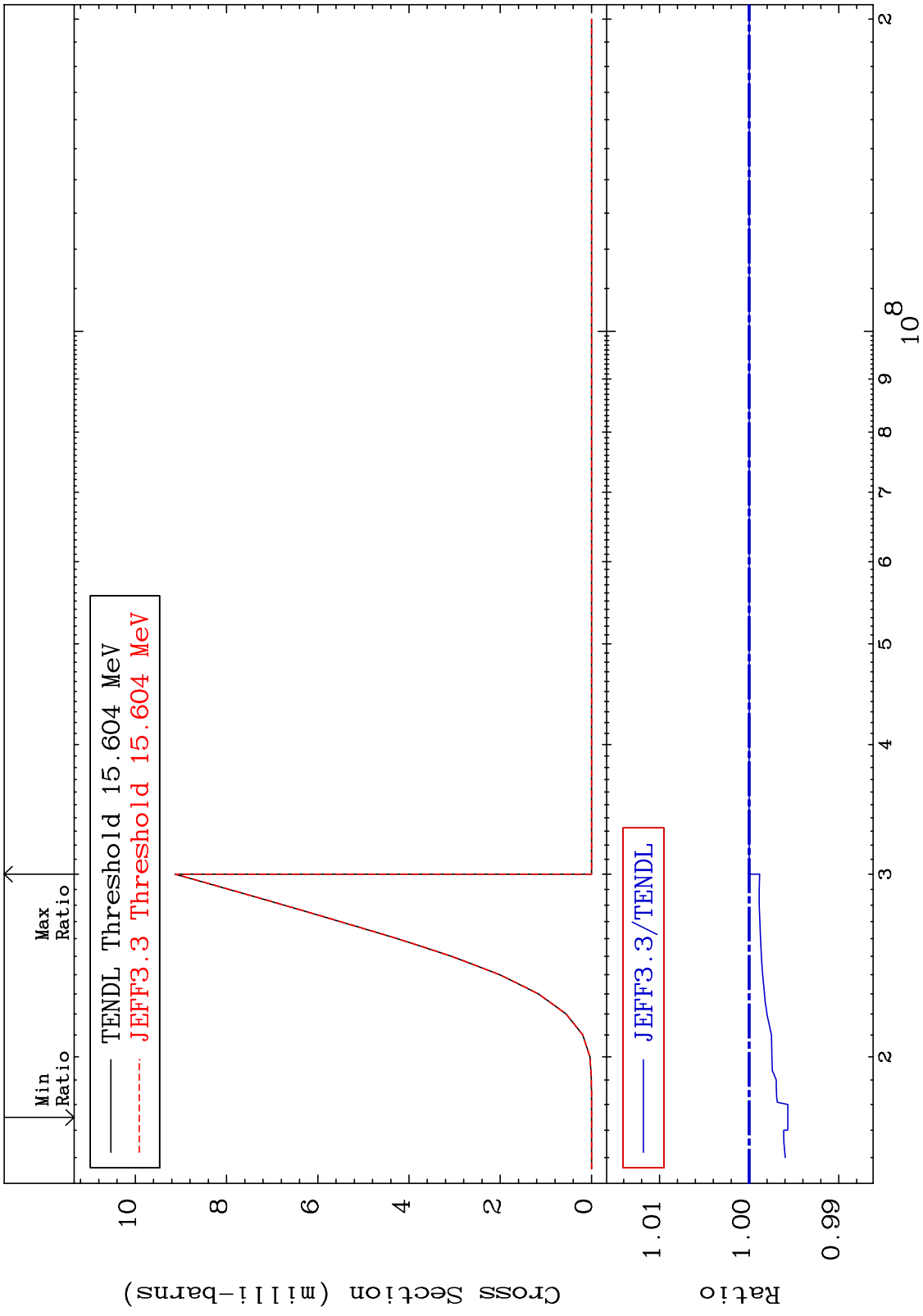
MAT 3125 (n,n') 2α Cross Section 31-Ga-69 To 4465. %

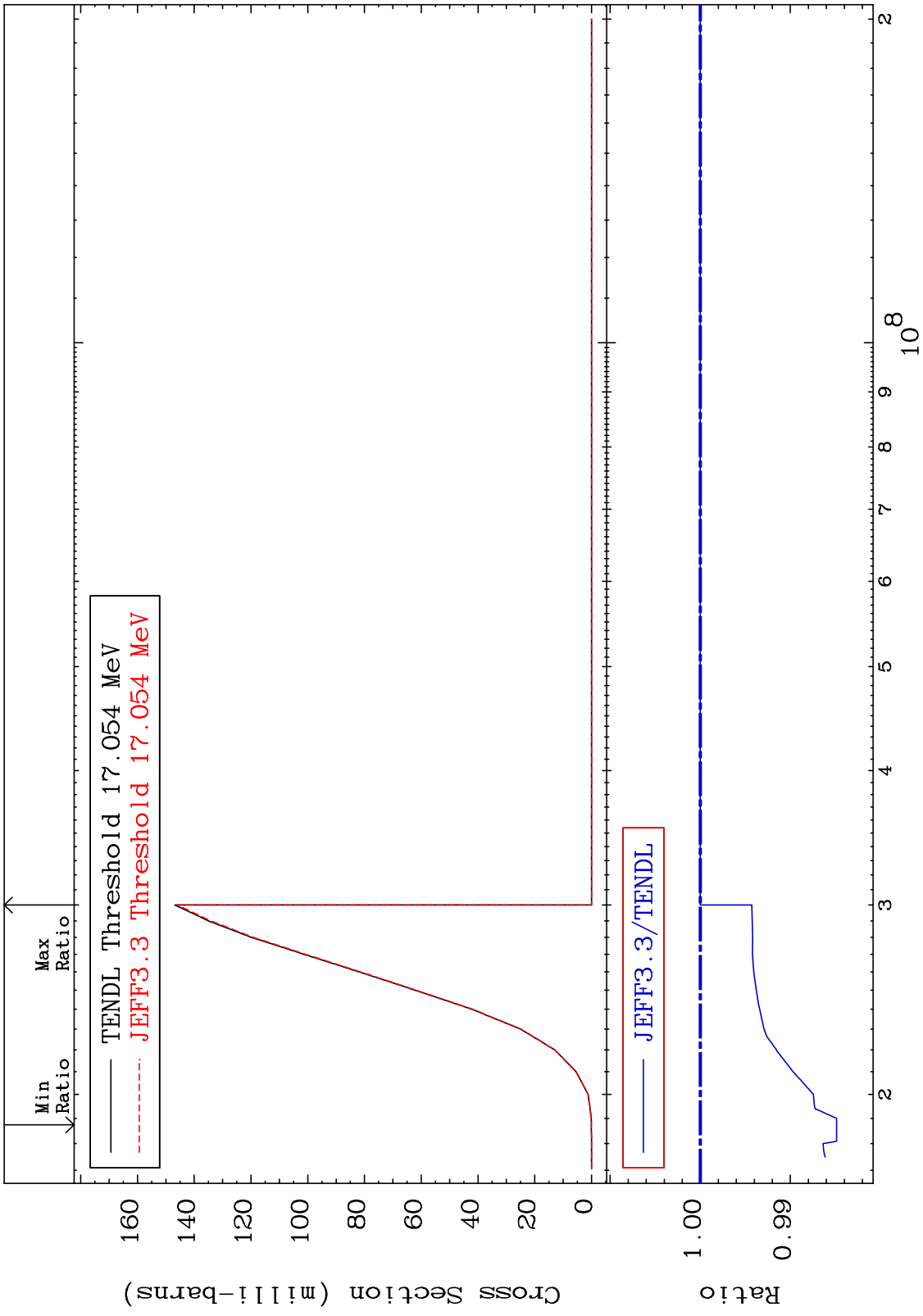


MAT 3125 (n,n') d 31-Ga-69
 Cross Section -0.916 To 0.000 %

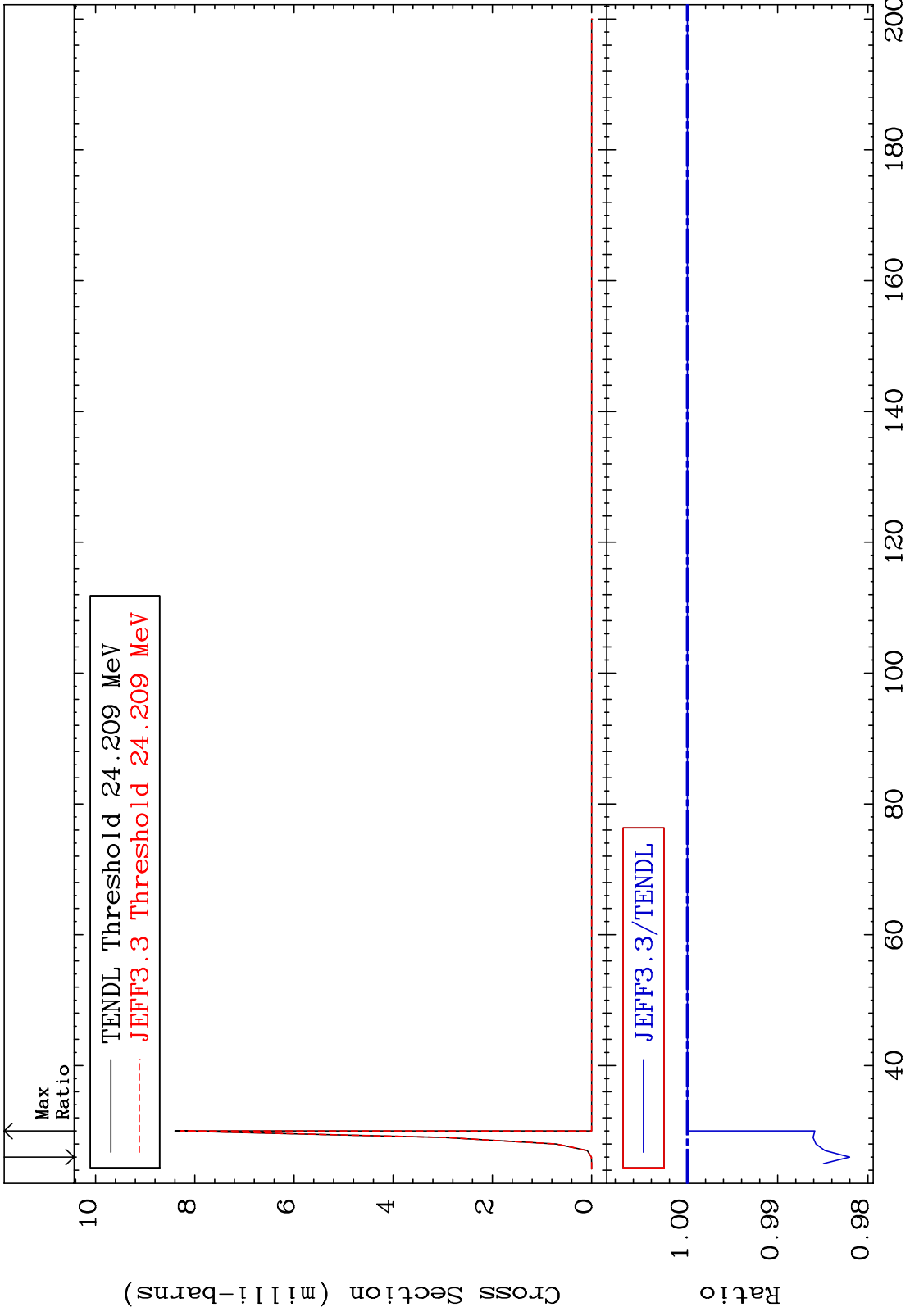


MAT 3125 (n, n') t 31-Ga-69
 Cross Section -0.432 To 0.000 %

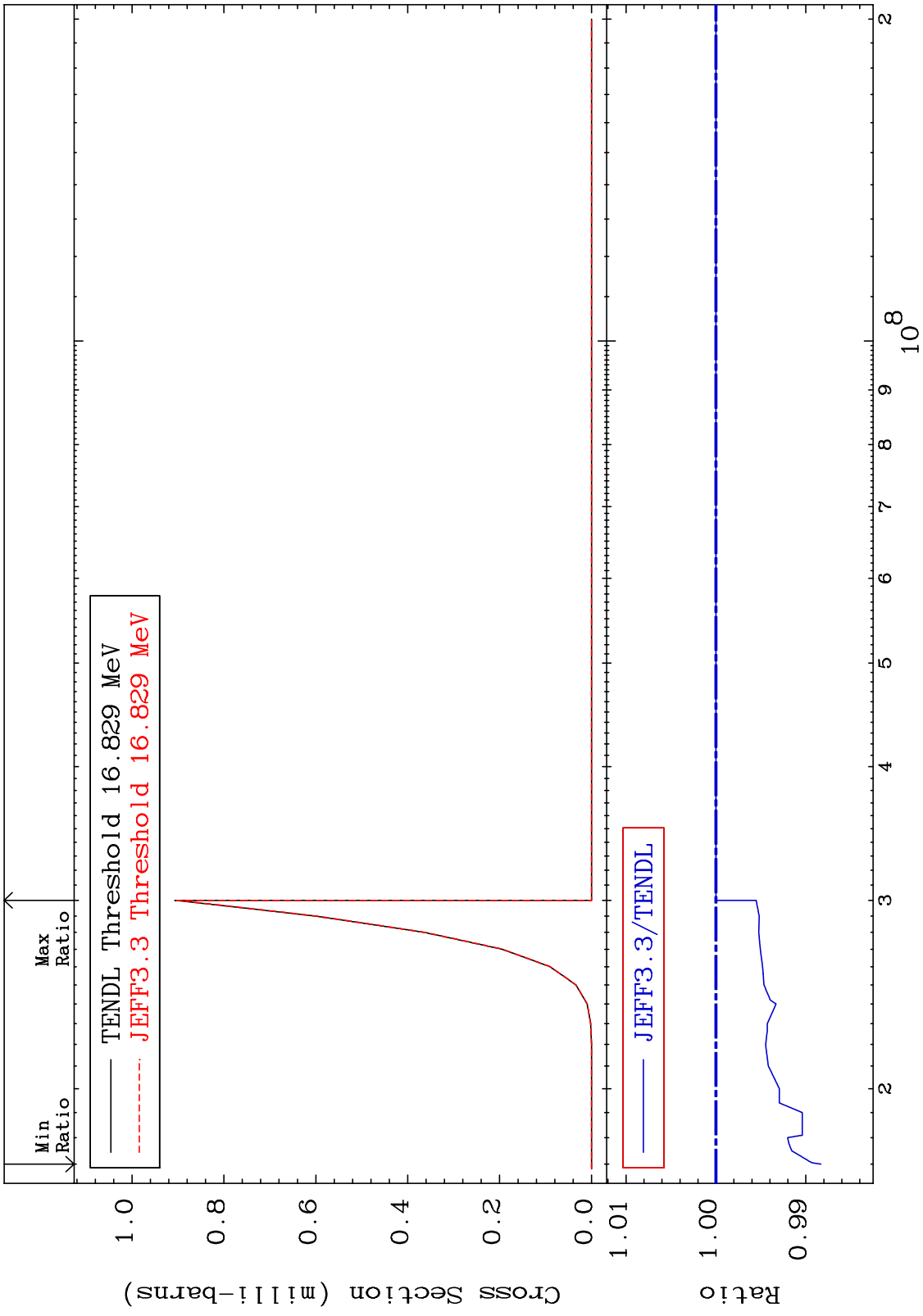




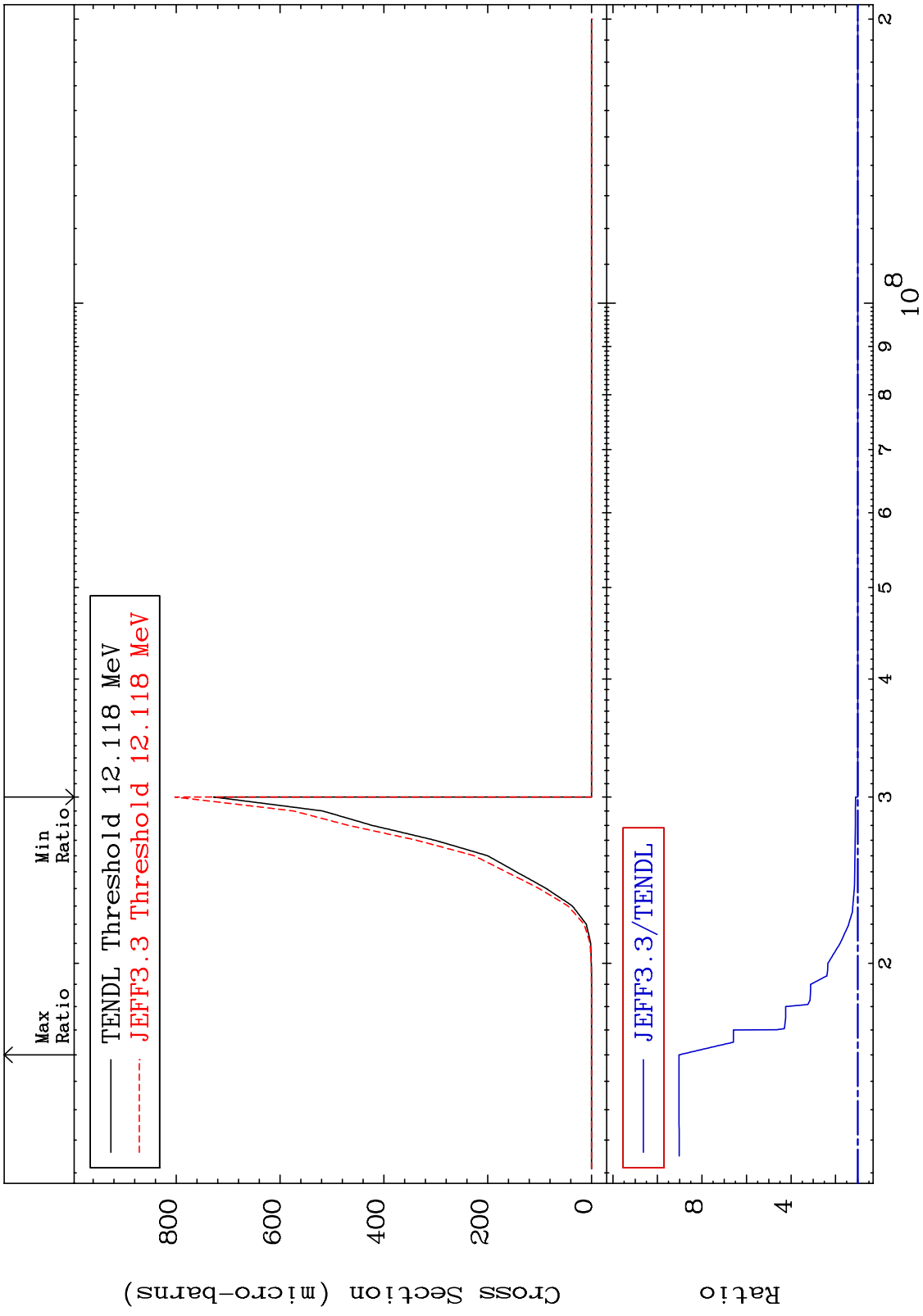
MAT 3125 (n,3n) p 31-Ga-69
 Cross Section -1.798 To 0.000 %



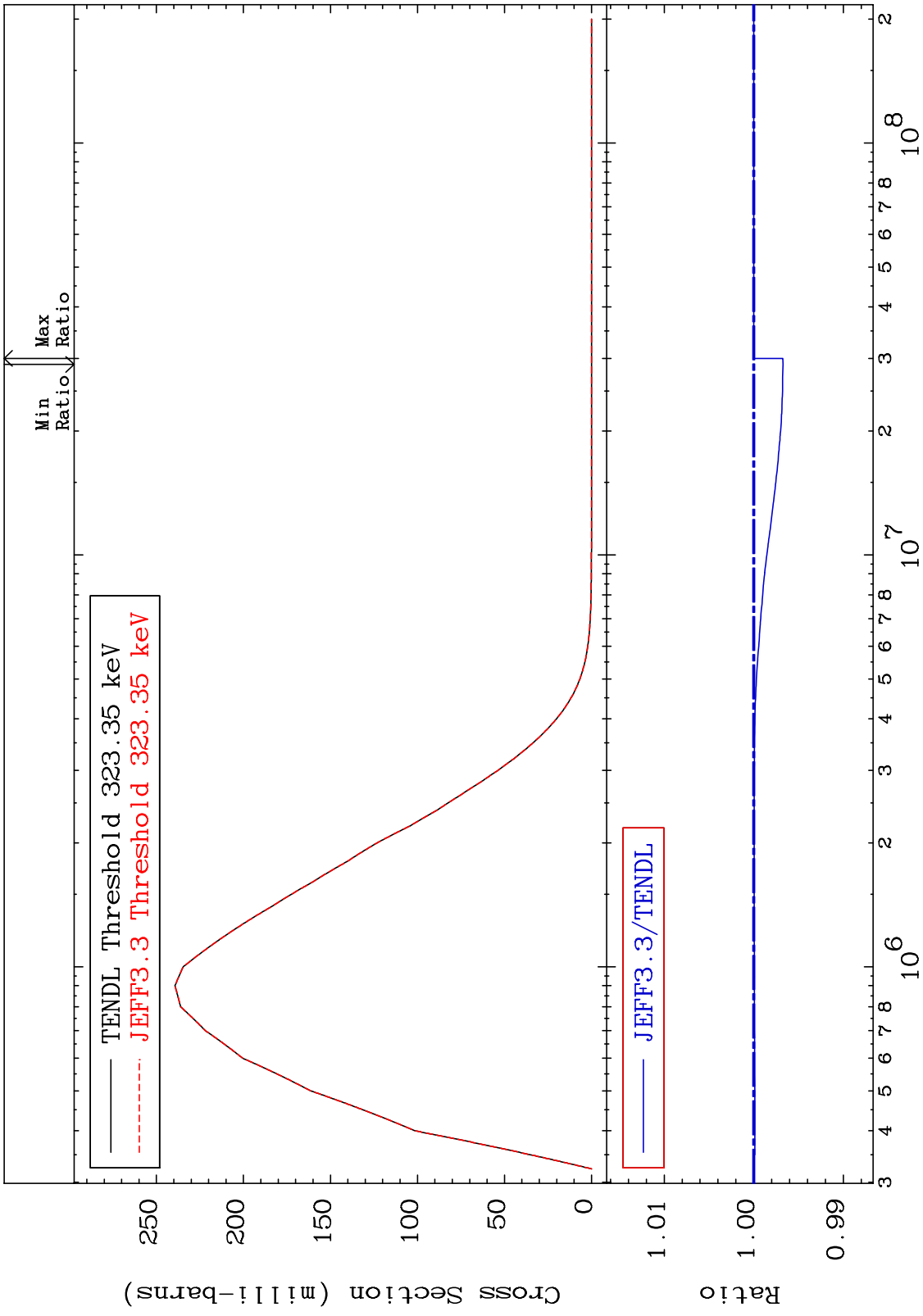
MAT 3125 $(n,2n) p$ 31-Ga-69
 Cross Section -1.168 To 0.000 %



MAT 3125 (n, n') p α 31-Ga-69
 Cross Section 0.000 To 803.0 %



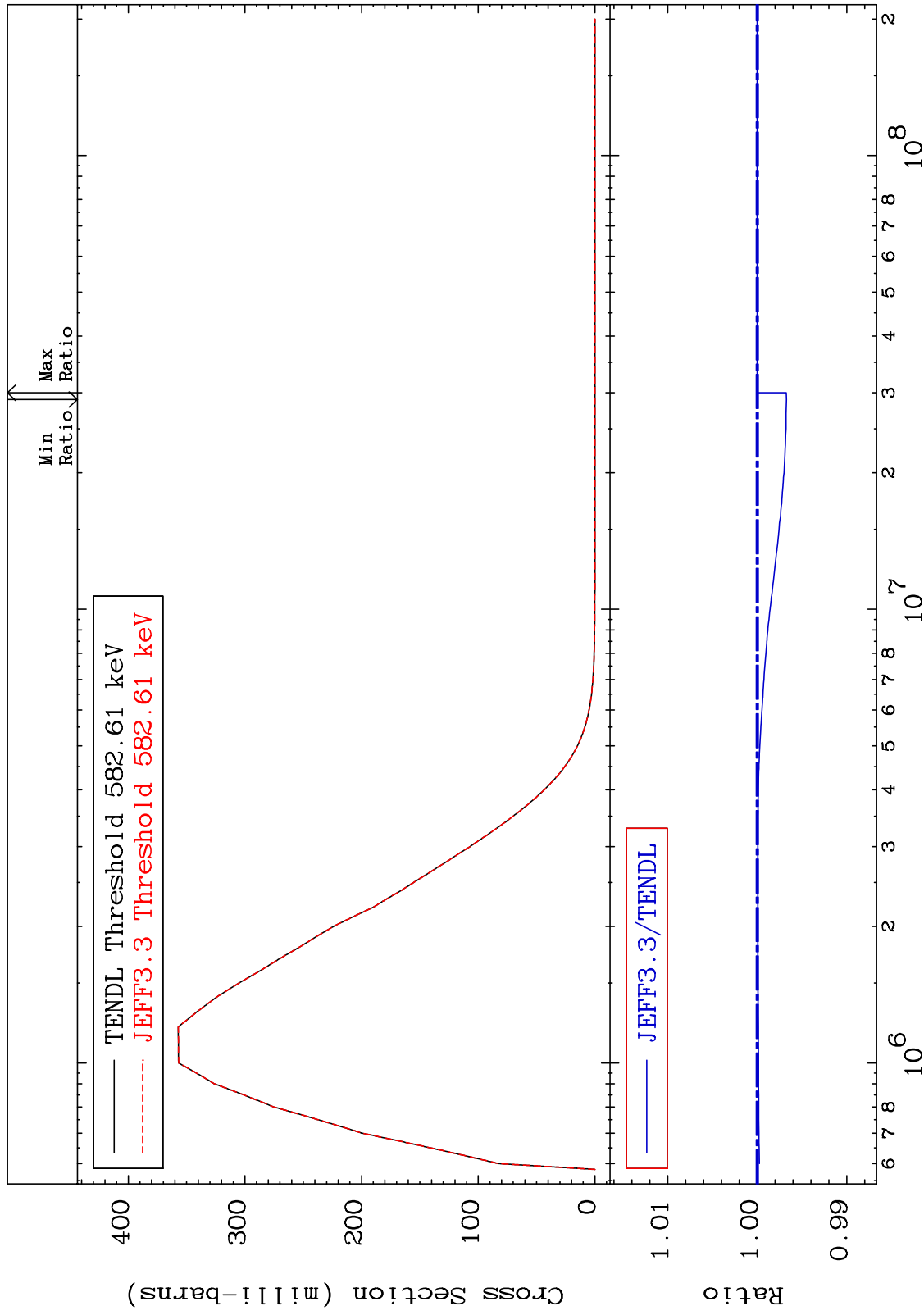
MAT 3125 MT= 51 (n,n') Level Cross Section 31-Ga-69
 -0.327 To 0.000 %



MAT 3125

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

31-Ga-69
-0.326 To 0.000 %

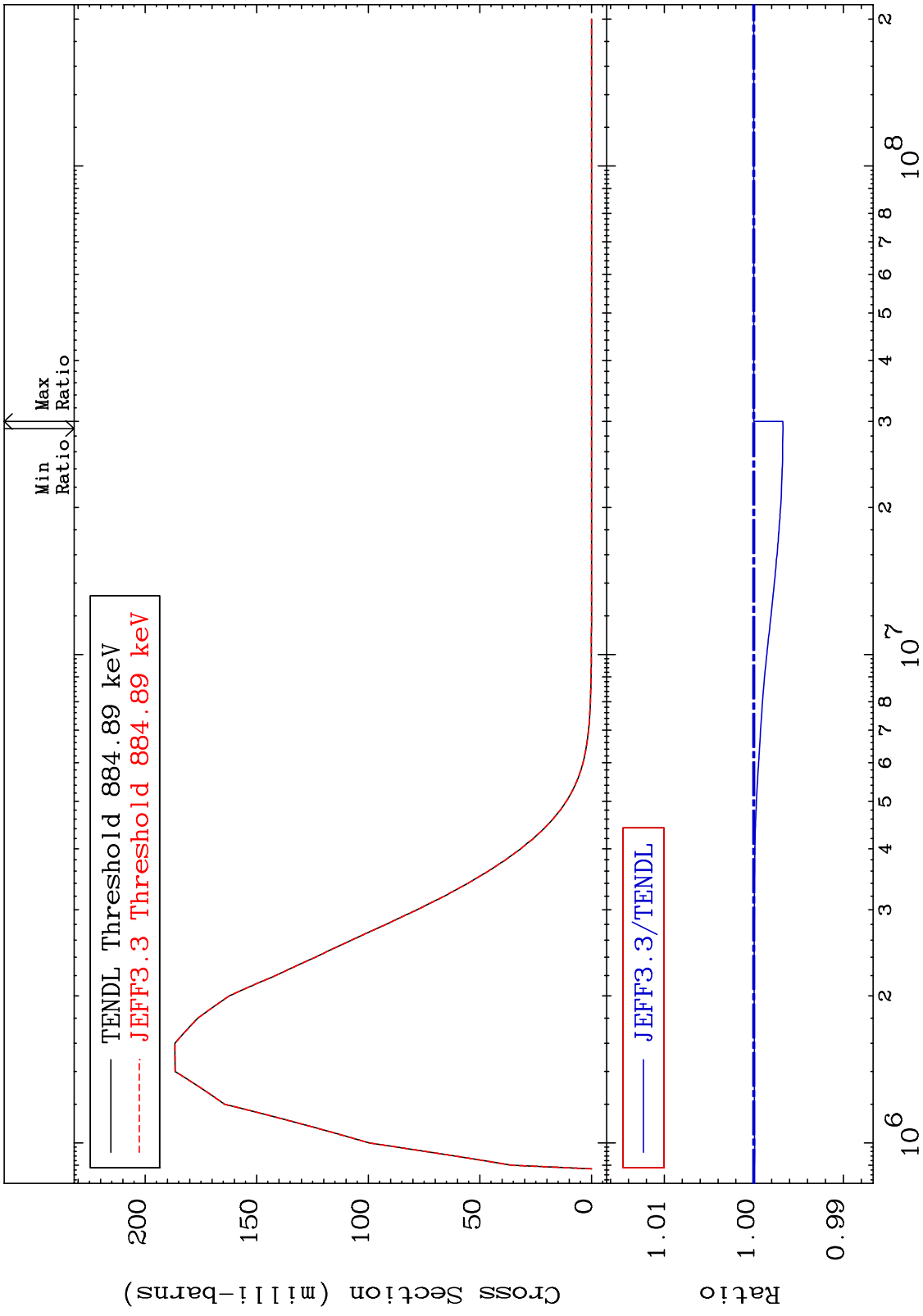


20

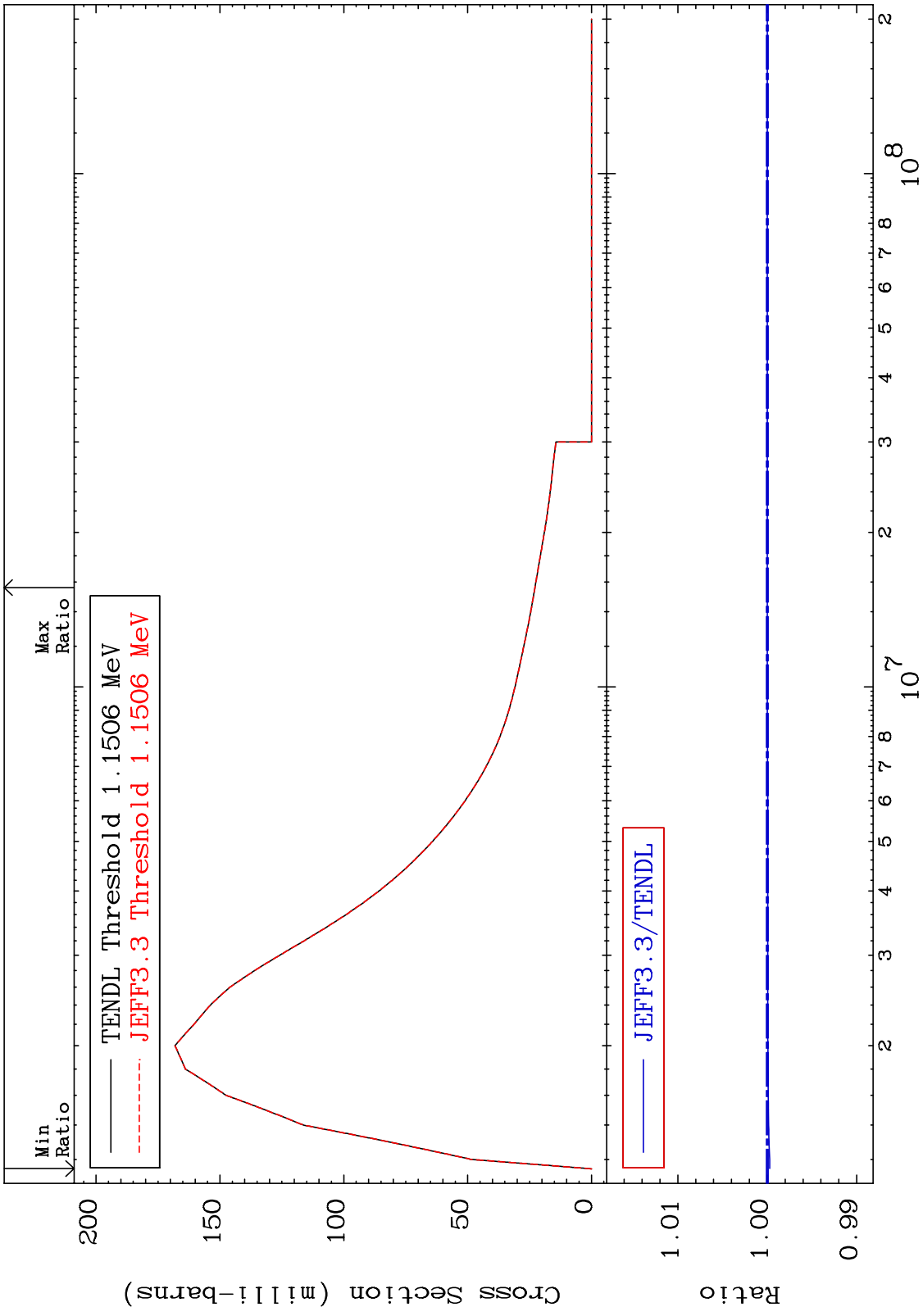
Incident Energy (eV)

31-Ga-69

MAT 3125 MT= 53 (n,n') Level Cross Section 31-Ga-69 -0.327 To 0.000 %



MAT 3125 MT= 56 (n,n') Level Cross Section 31-Ga-69
 -0.026 To 0.000 %

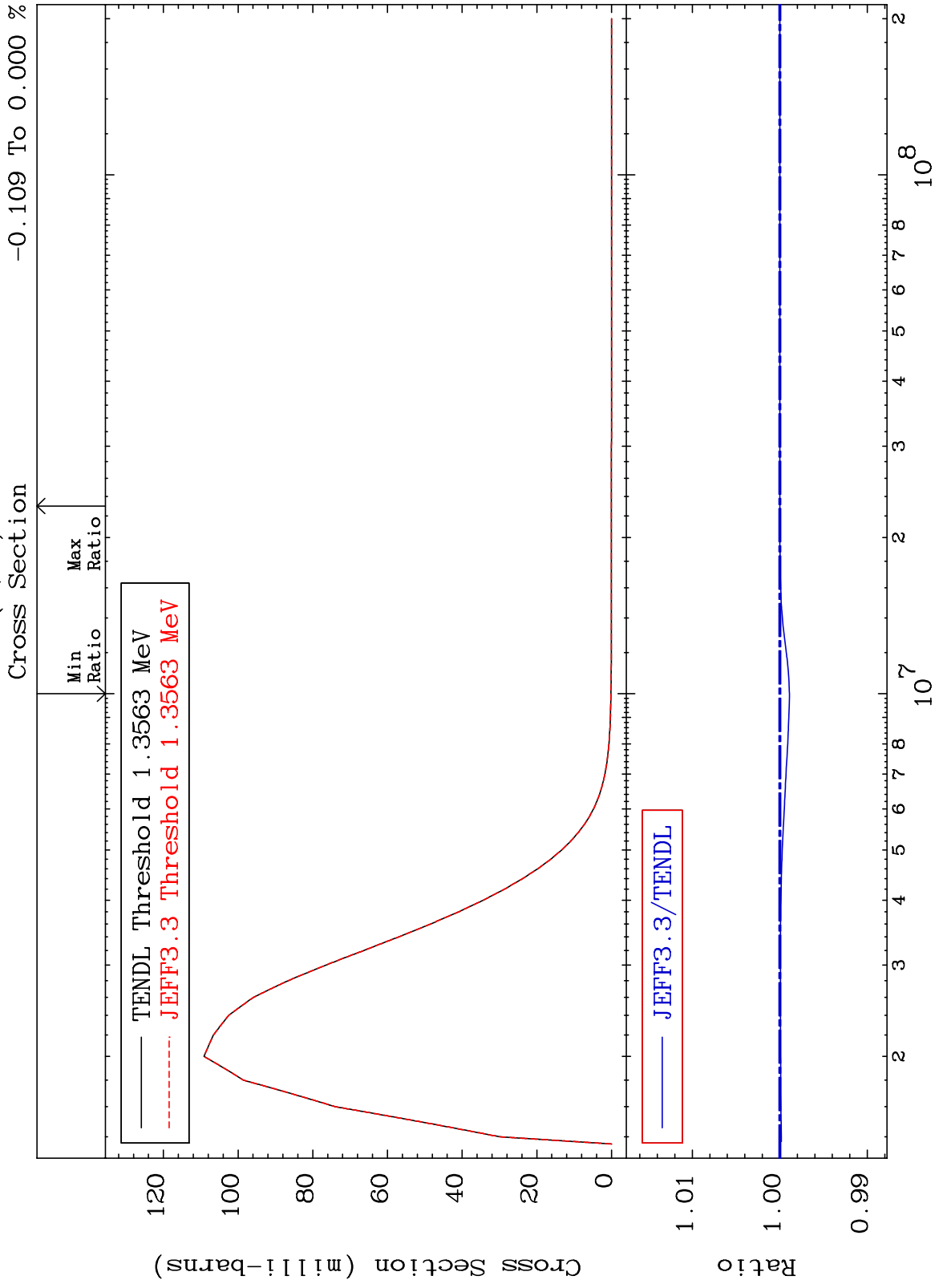


MAT 3125

MT= 57 (n, n') Level

31-Ga-69

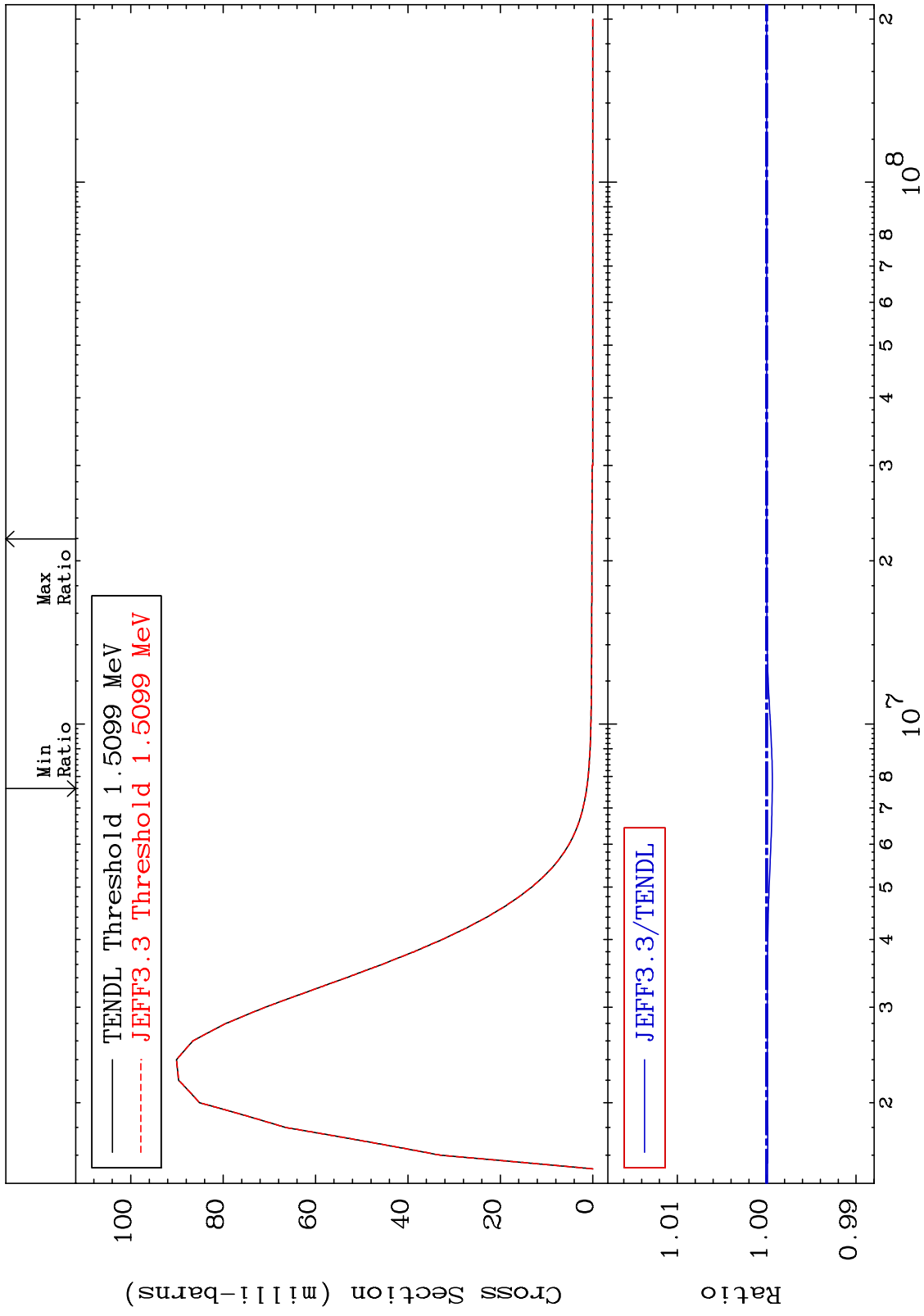
-0.109 To 0.000 %



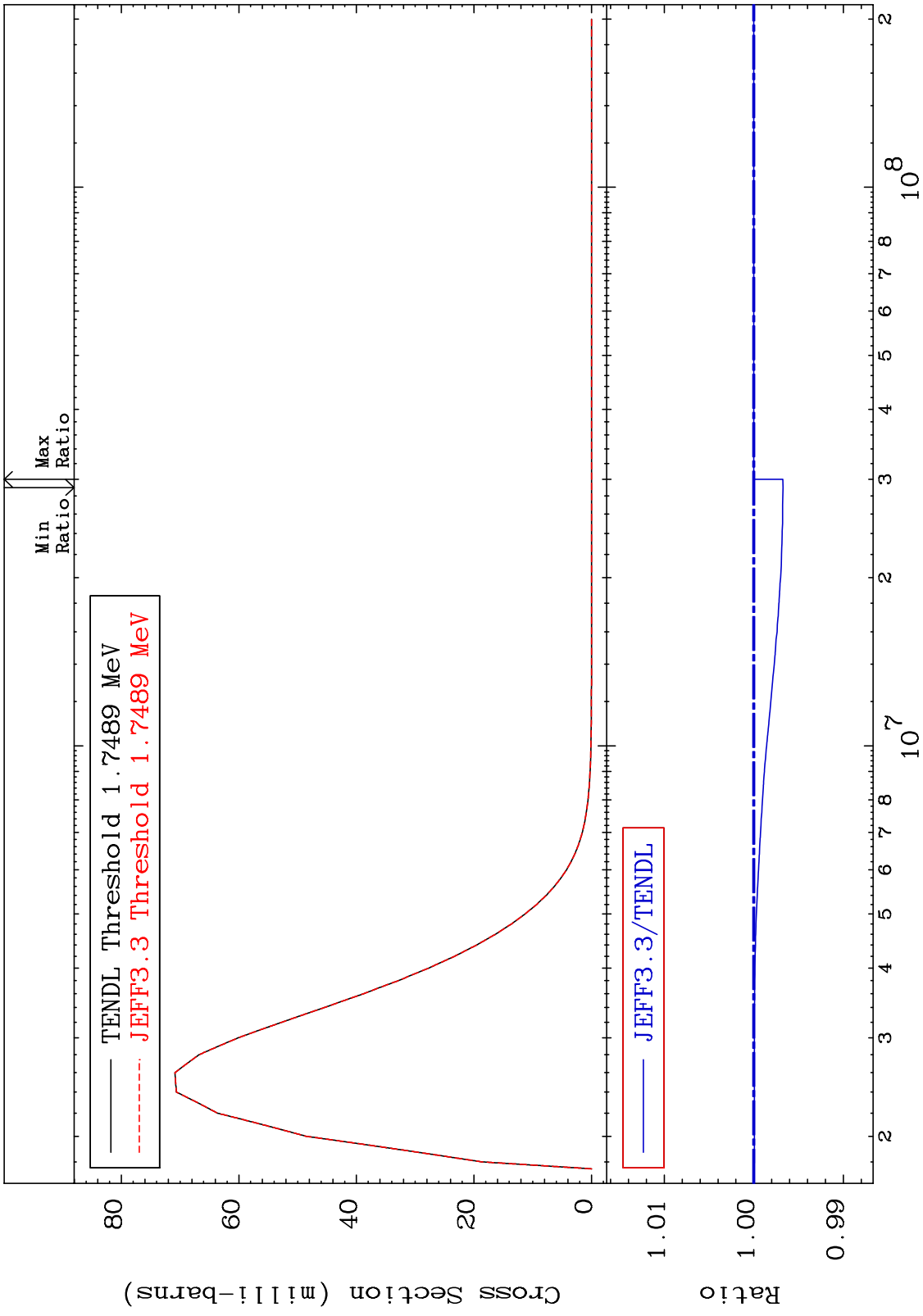
MAT 3125

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

31-Ga-69
-0.063 To 0.000 %

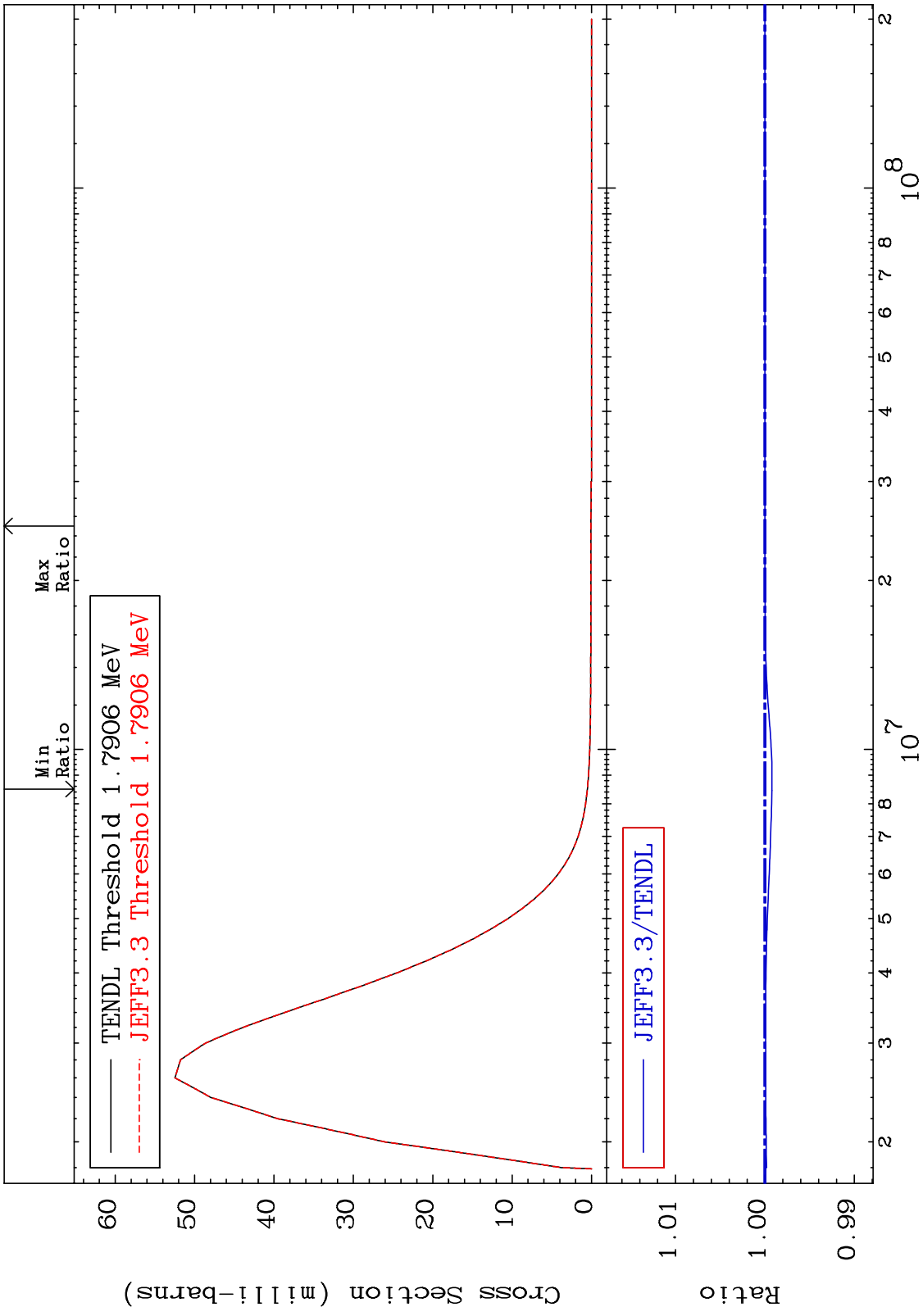


MAT 3125 MT= 60 (n,n') Level Cross Section 31-Ga-69 -0.327 To 0.000 %



25 31-Ga-69

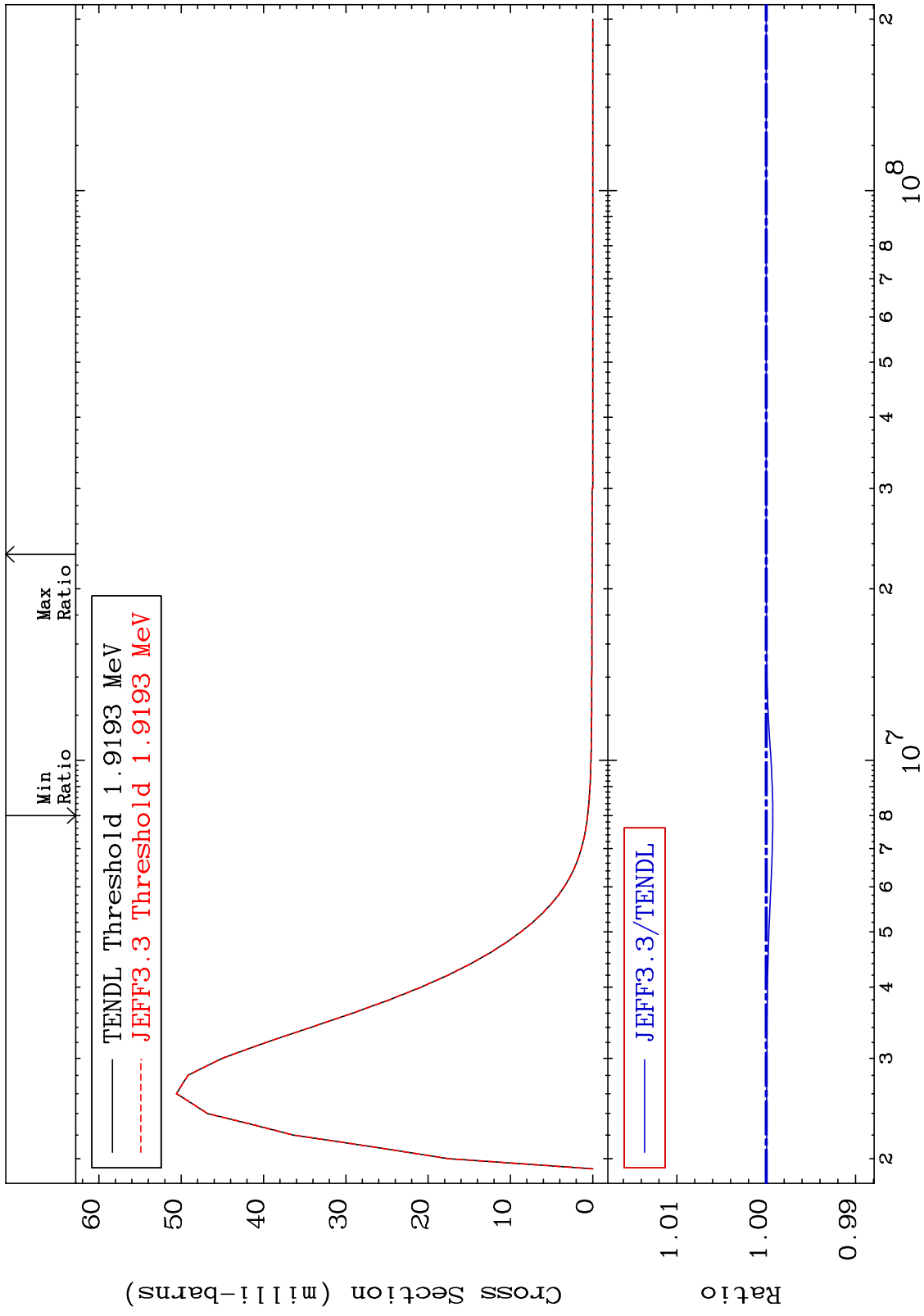
MAT 3125 MT= 61 (n,n') Level Cross Section 31-Ga-69
 -0.078 To 0.000 %



MAT 3125

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

31-Ga-69
-0.073 To 0.000 %



27

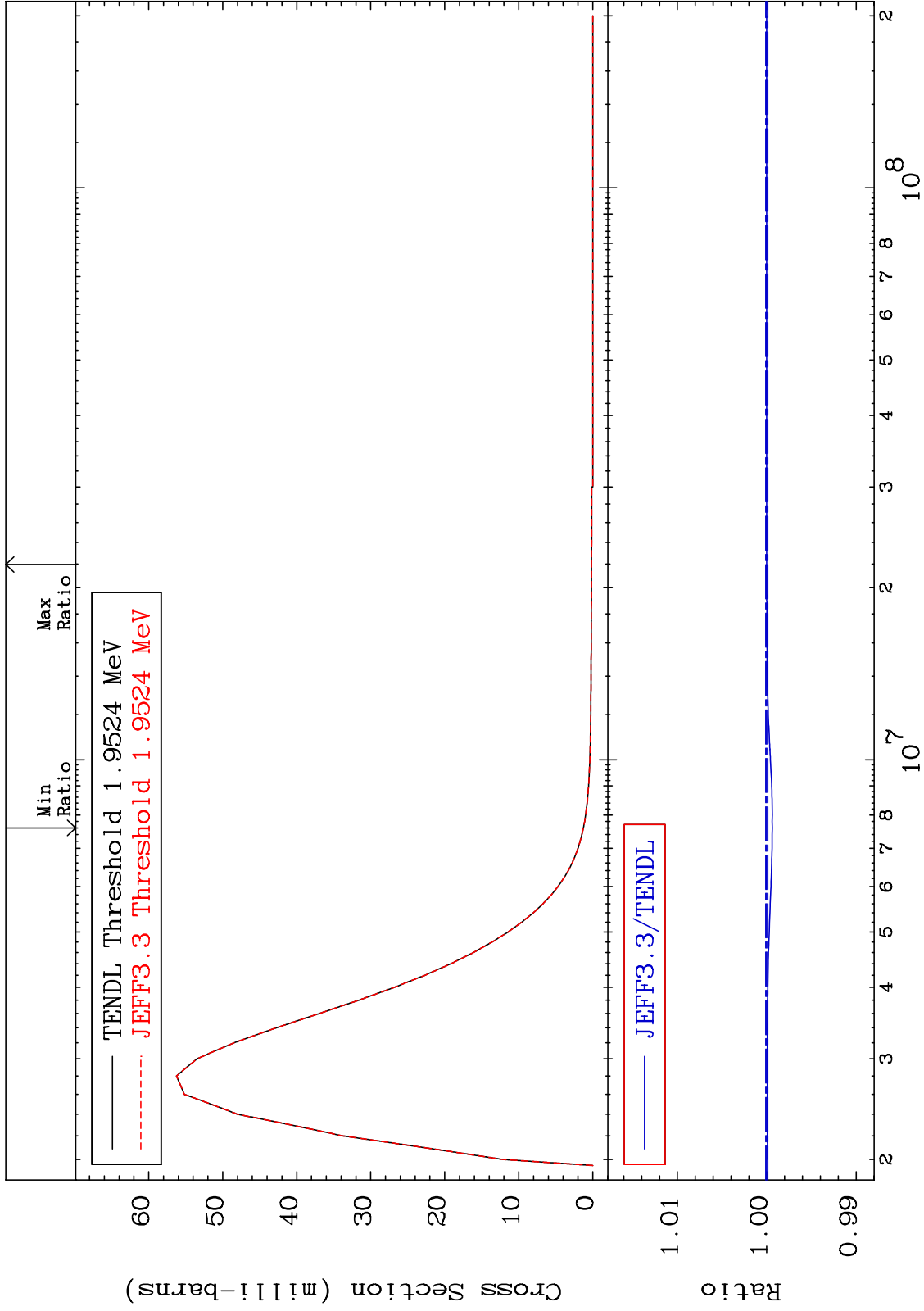
Incident Energy (eV)

31-Ga-69

MAT 3125

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

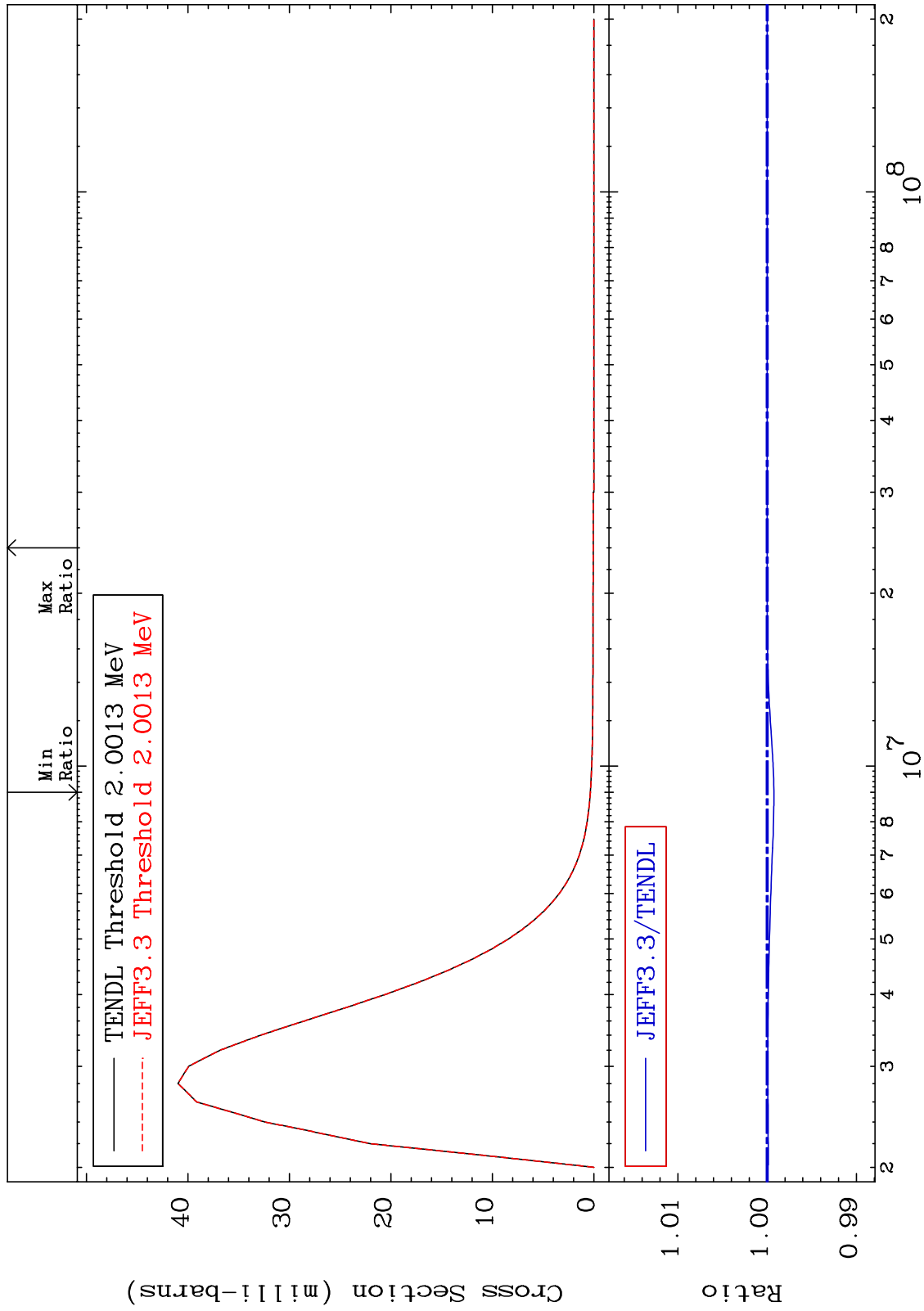
31-Ga-69
-0.062 To 0.000 %



MAT 3125

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

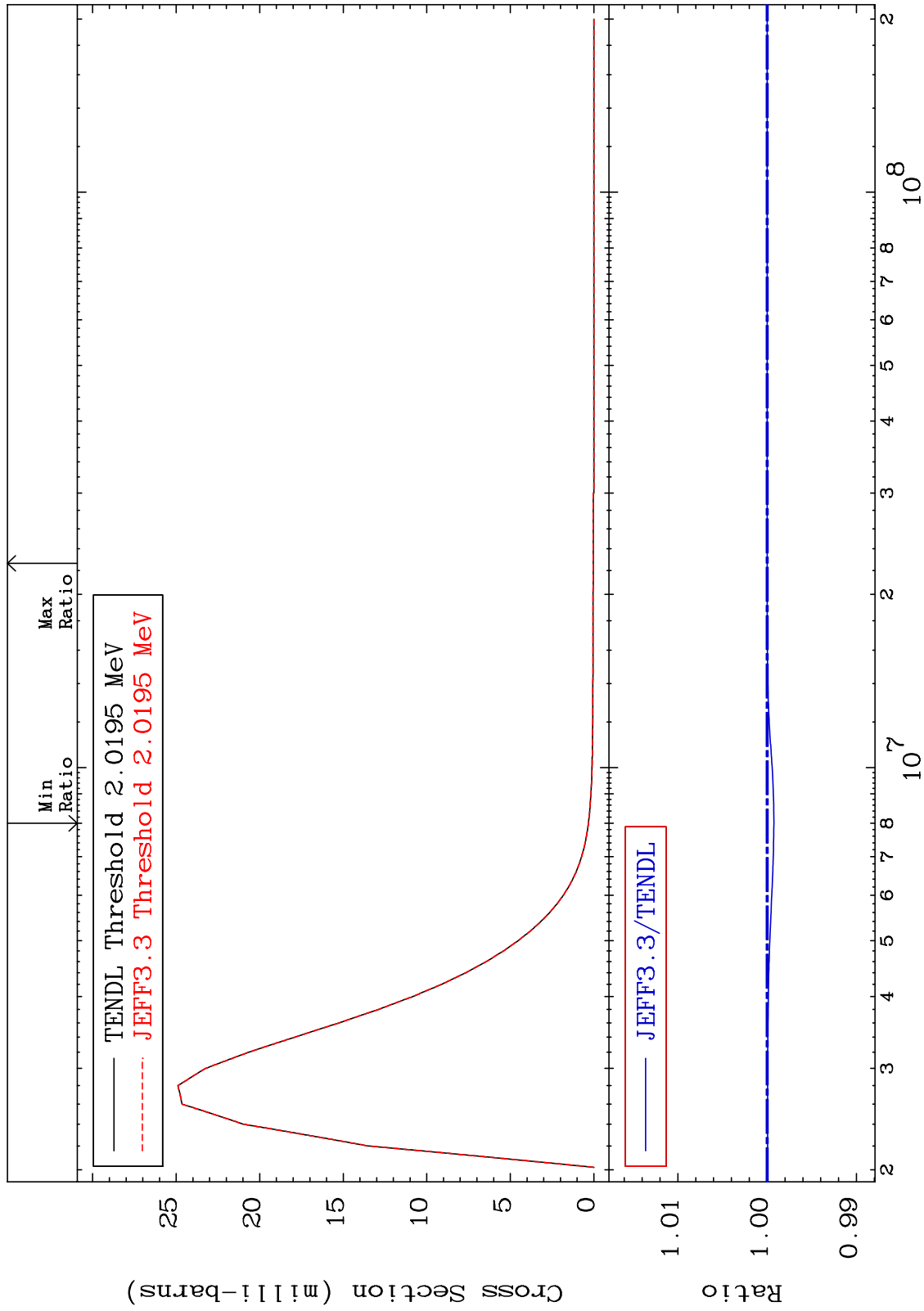
31-Ga-69
-0.076 To 0.000 %



MAT 3125

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

31-Ga-69
-0.075 To 0.000 %



30

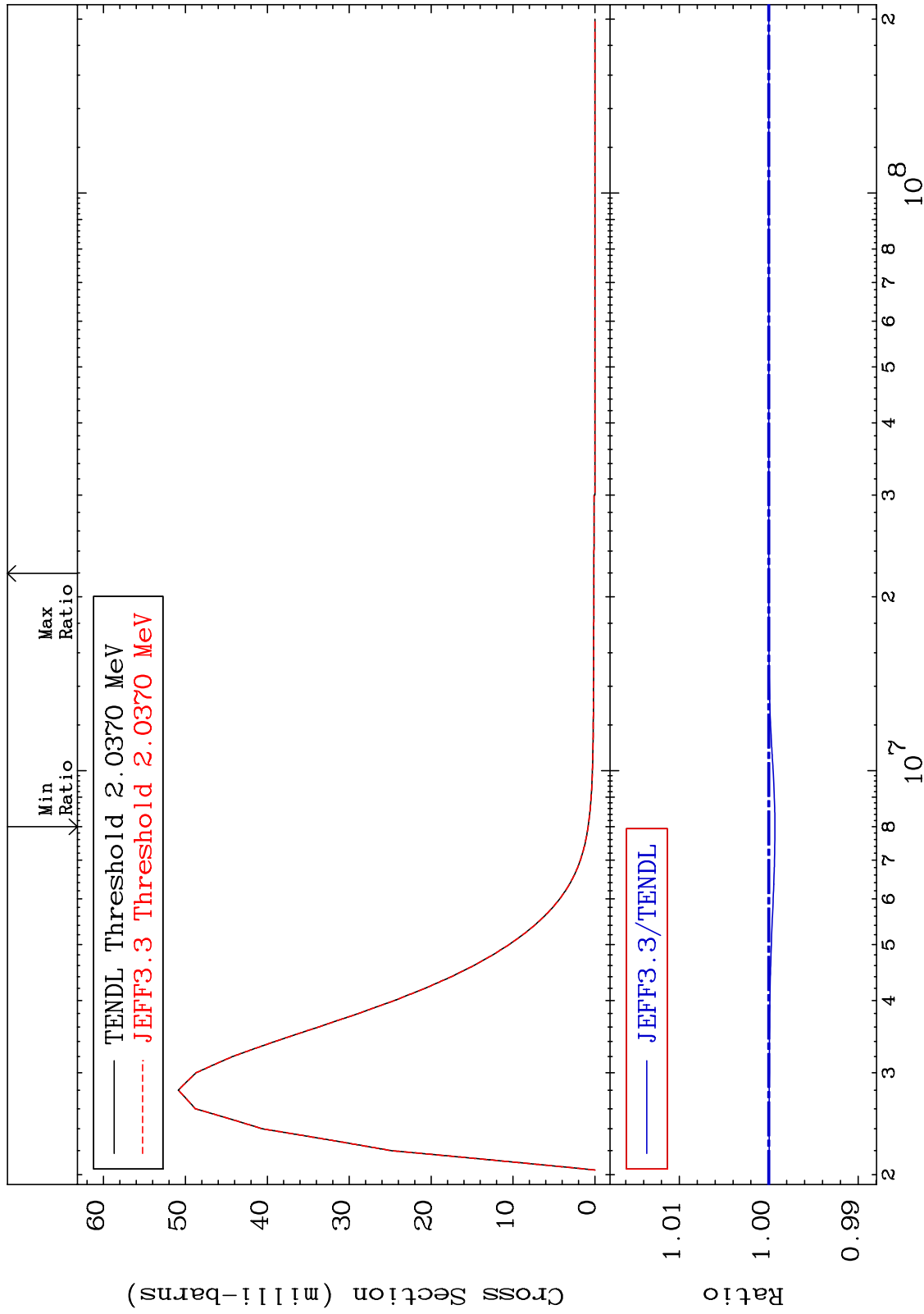
Incident Energy (eV)

31-Ga-69

MAT 3125

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

31-Ga-69
-0.068 To 0.000 %



31

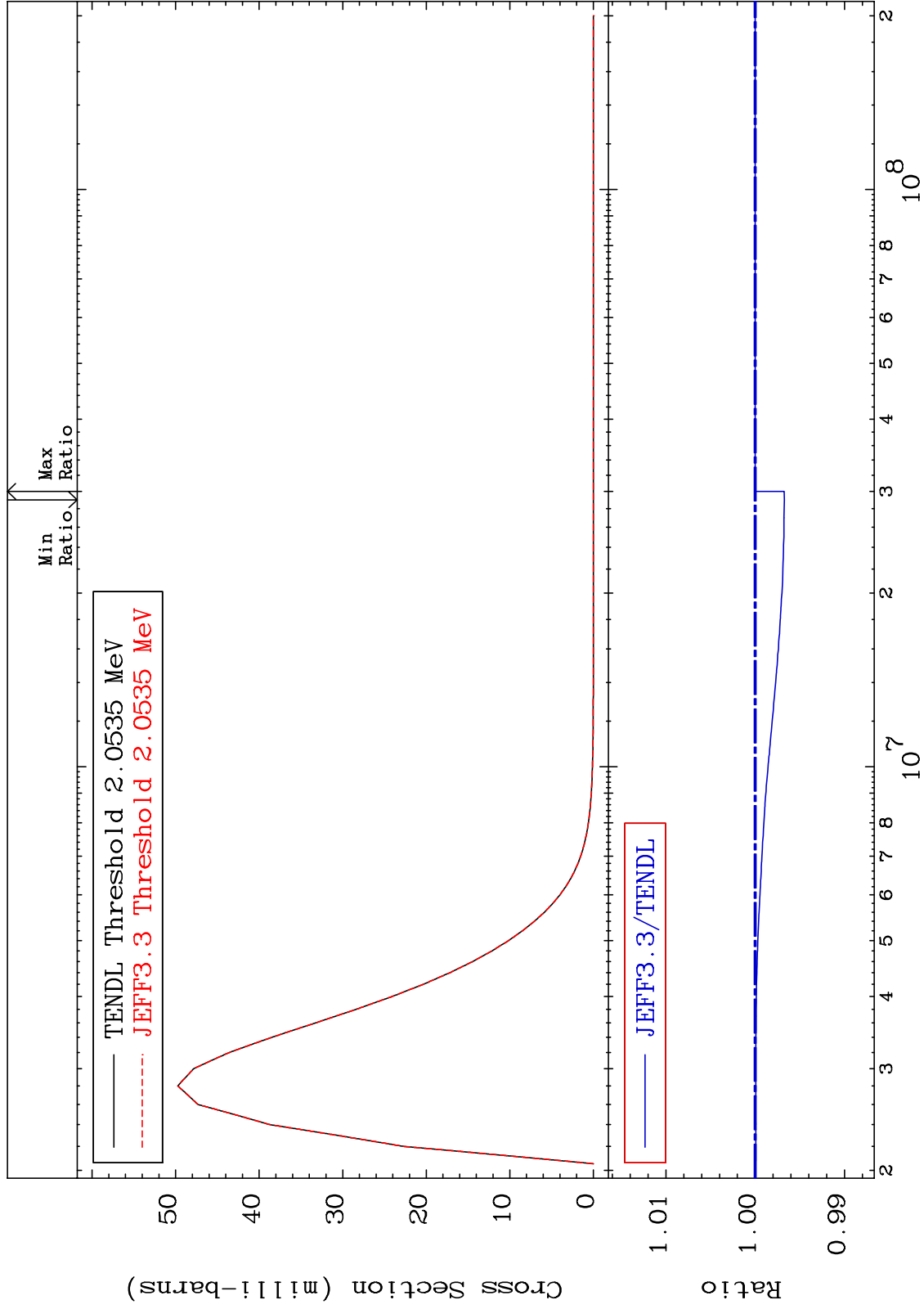
Incident Energy (eV)

31-Ga-69

MAT 3125

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

31-Ga-69
-0.327 To 0.000 %

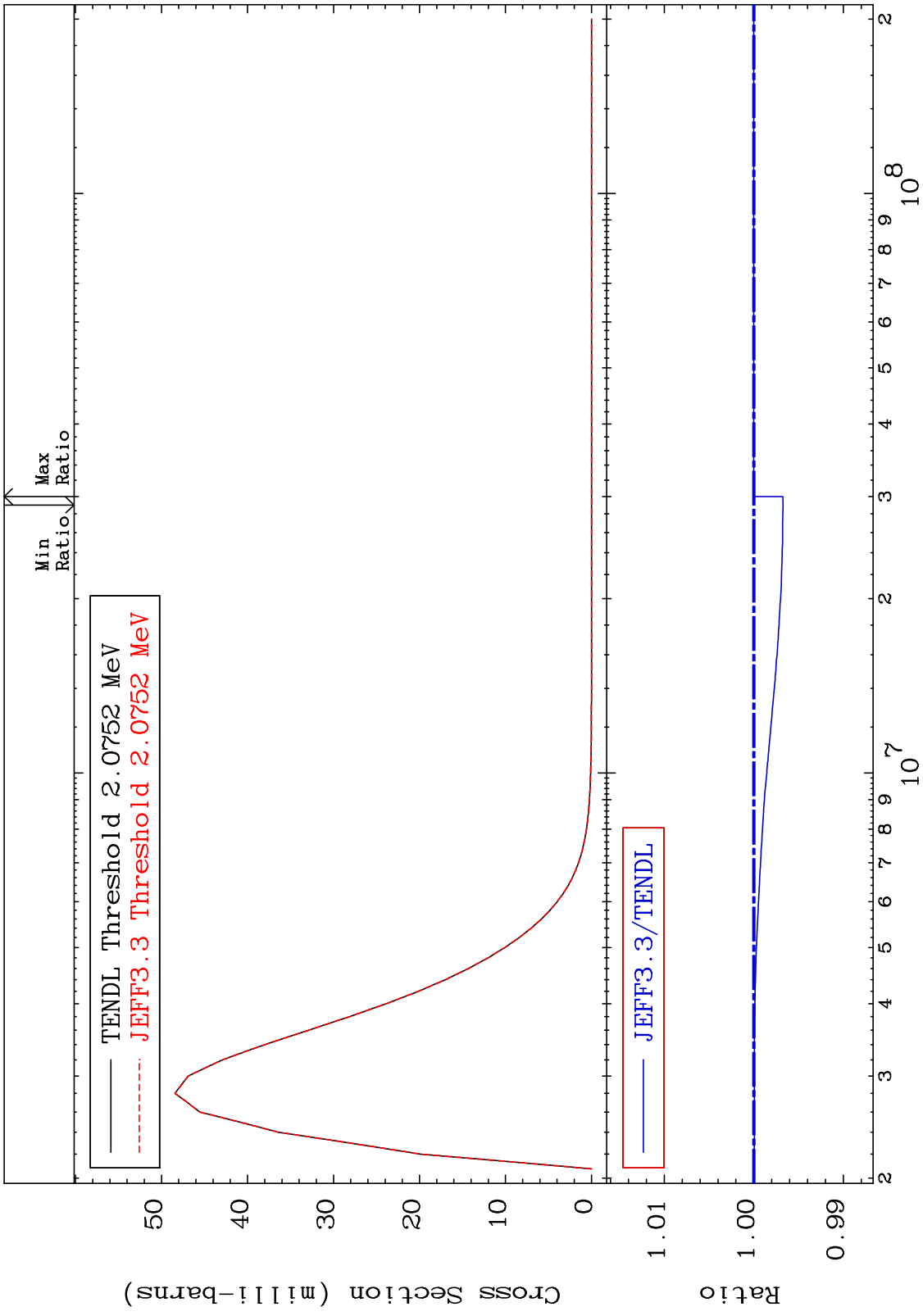


32

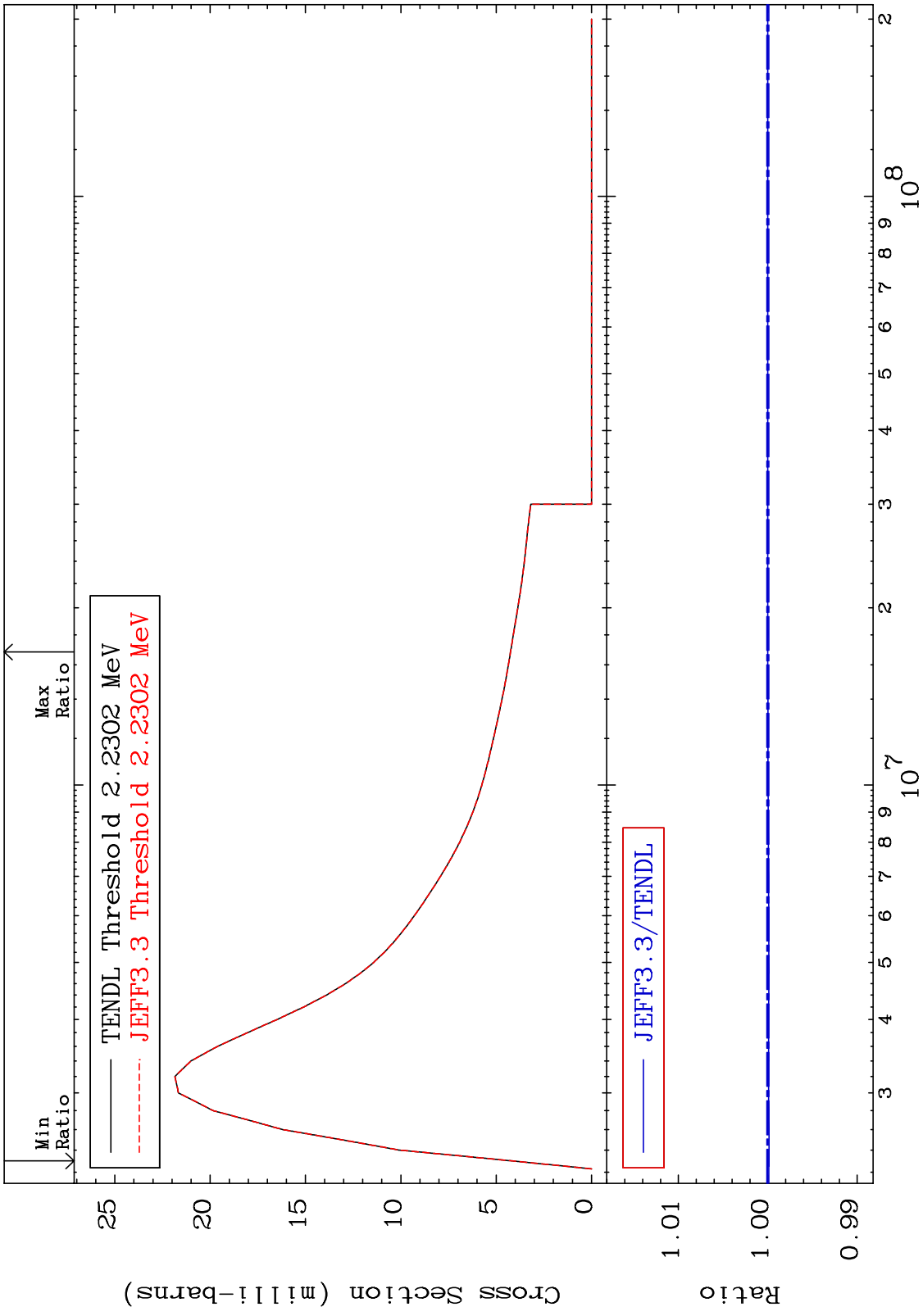
Incident Energy (eV)

31-Ga-69

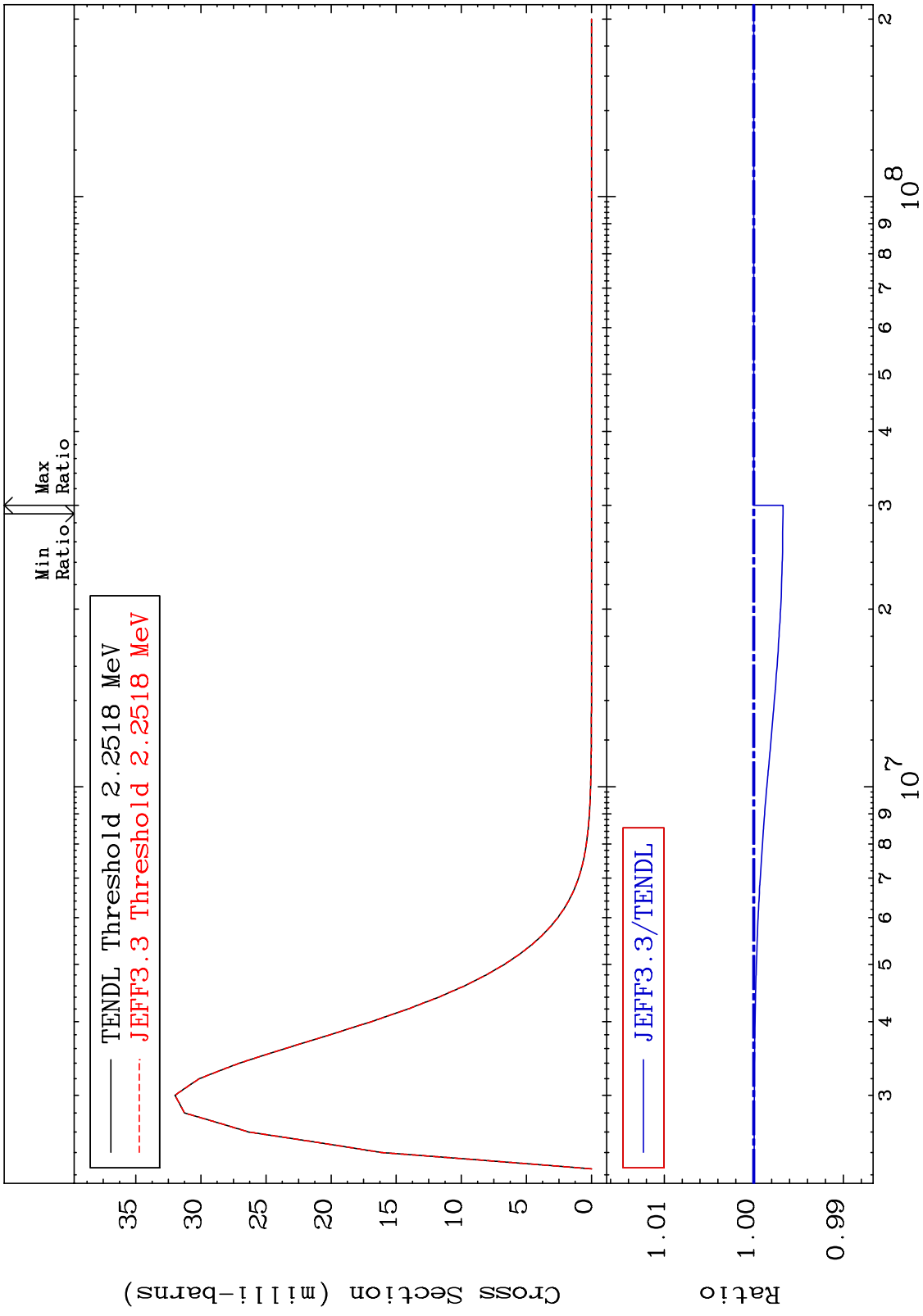
MAT 3125 MT= 68 (n,n') Level Cross Section 31-Ga-69 -0.326 To 0.000 %



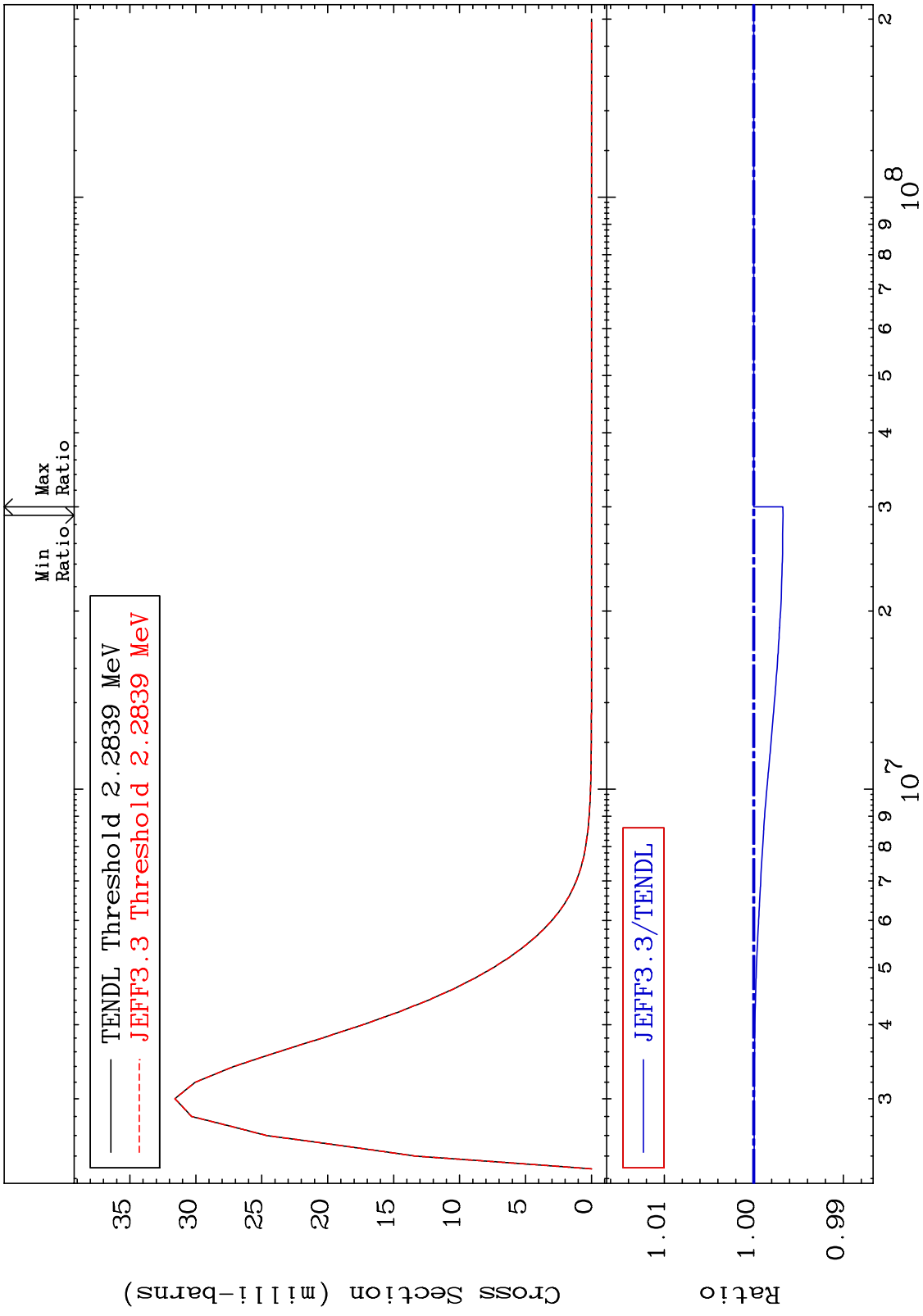
MAT 3125 MT= 69 (n,n') Level Cross Section 31-Ga-69 -0.014 To 0.000 %



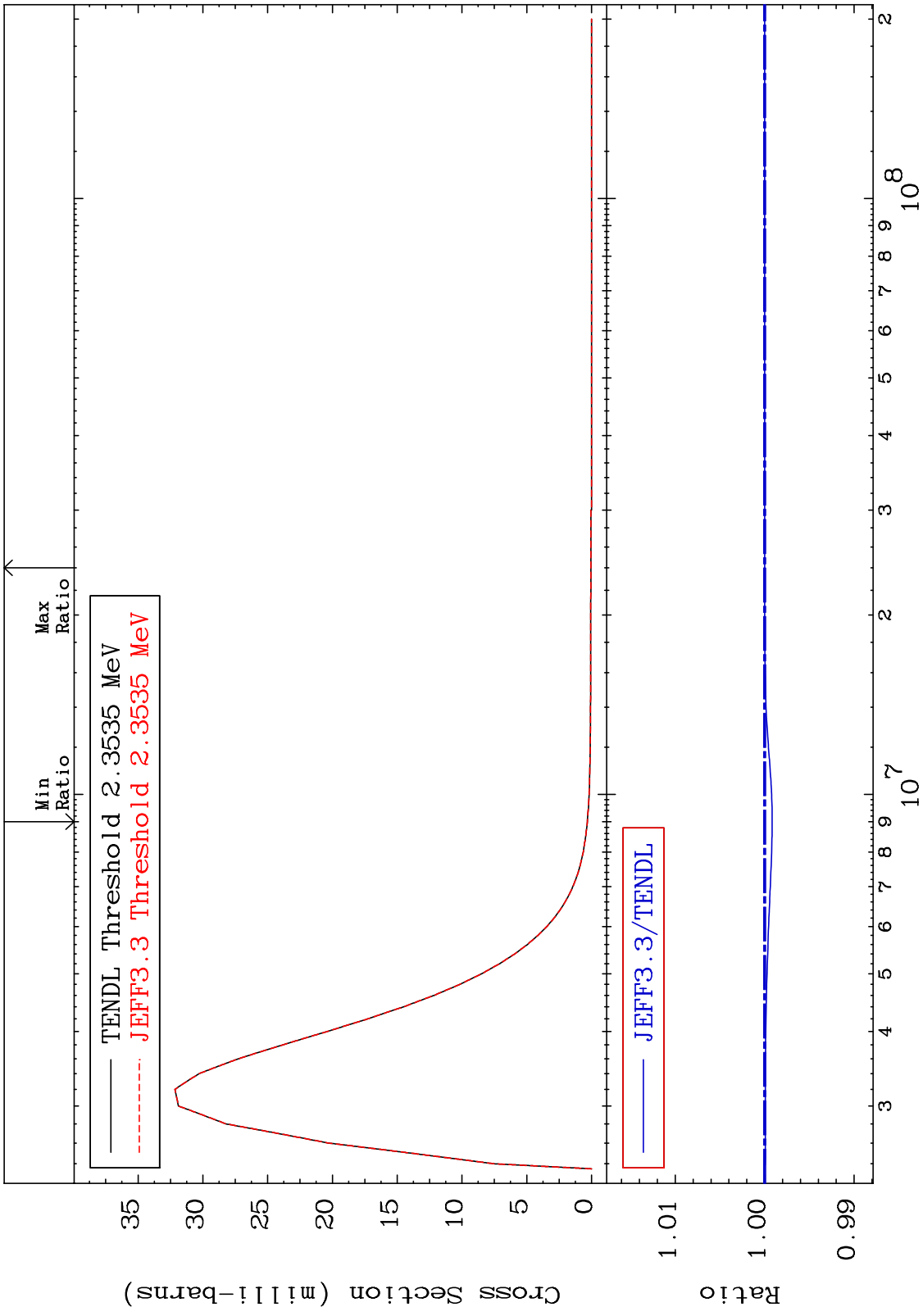
MAT 3125 MT= 70 (n,n') Level Cross Section 31-Ga-69 -0.327 To 0.000 %



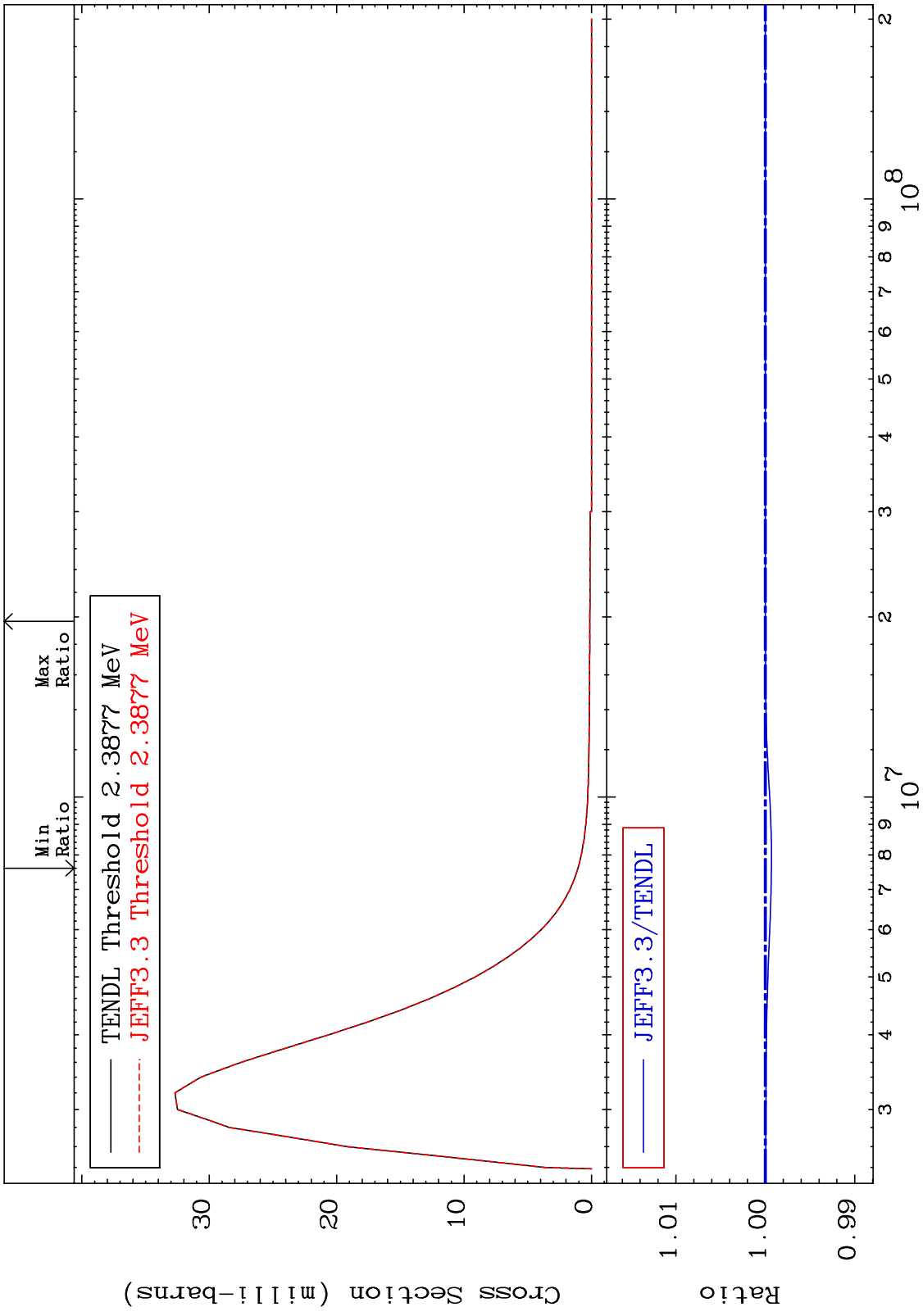
MAT 3125 MT= 71 (n,n') Level Cross Section 31-Ga-69 -0.327 To 0.000 %



MAT 3125 MT= 72 (n,n') Level Cross Section 31-Ga-69
 -0.084 To 0.000 %



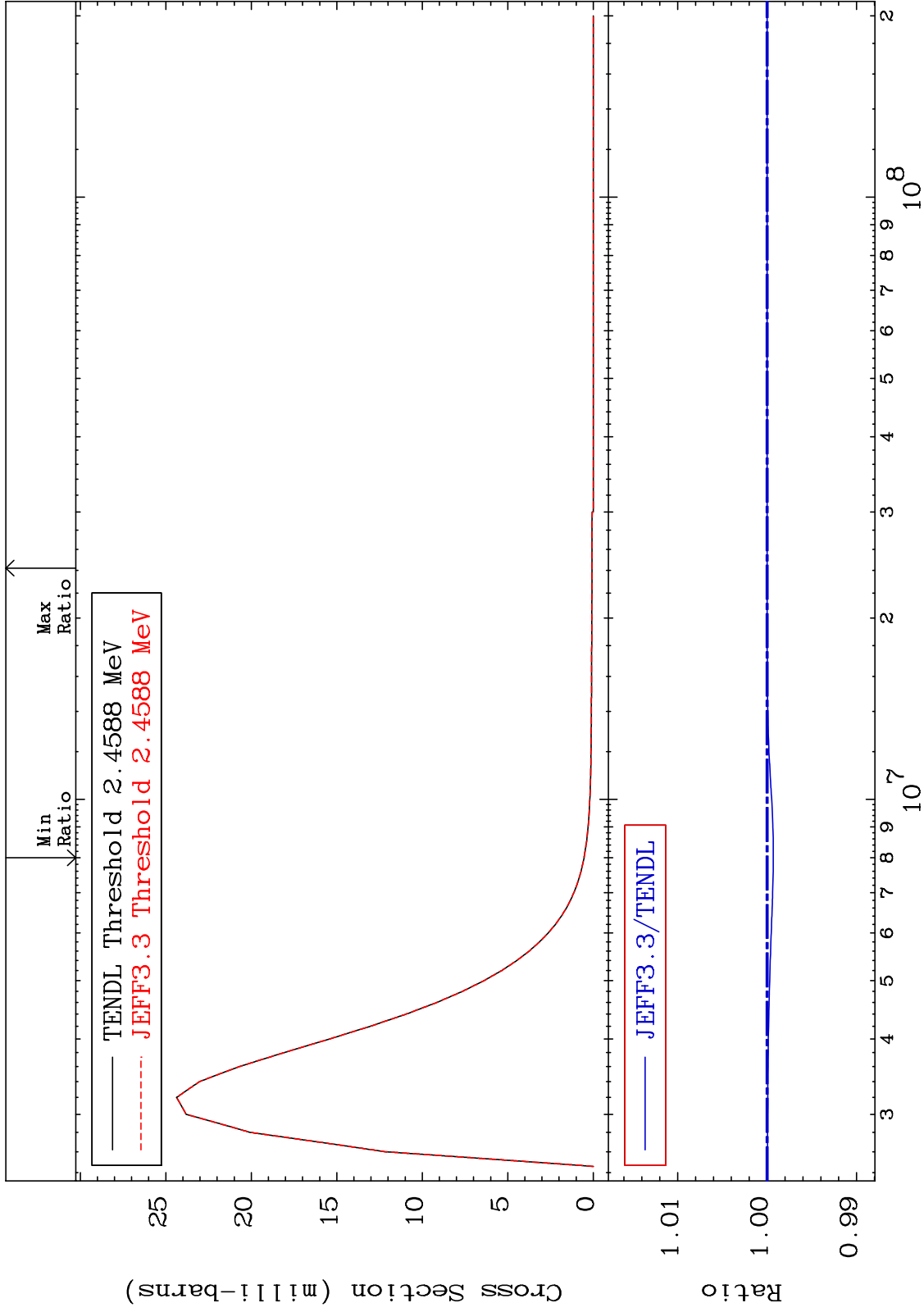
MAT 3125 MT= 73 (n,n') Level Cross Section 31-Ga-69 -0.069 To 0.000 %



MAT 3125

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

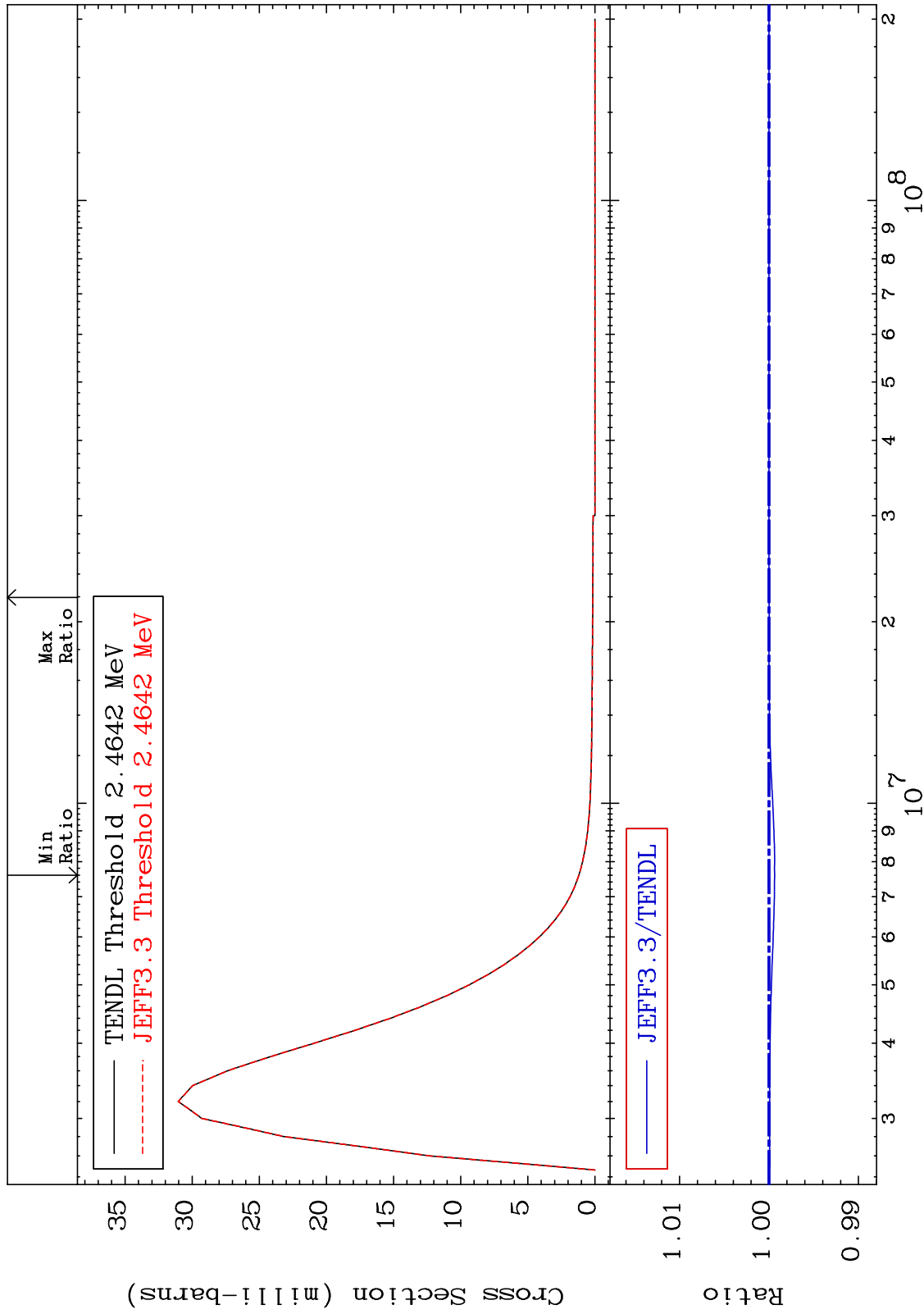
31-Ga-69
-0.070 To 0.000 %



MAT 3125

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

31-Ga-69
-0.064 To 0.000 %

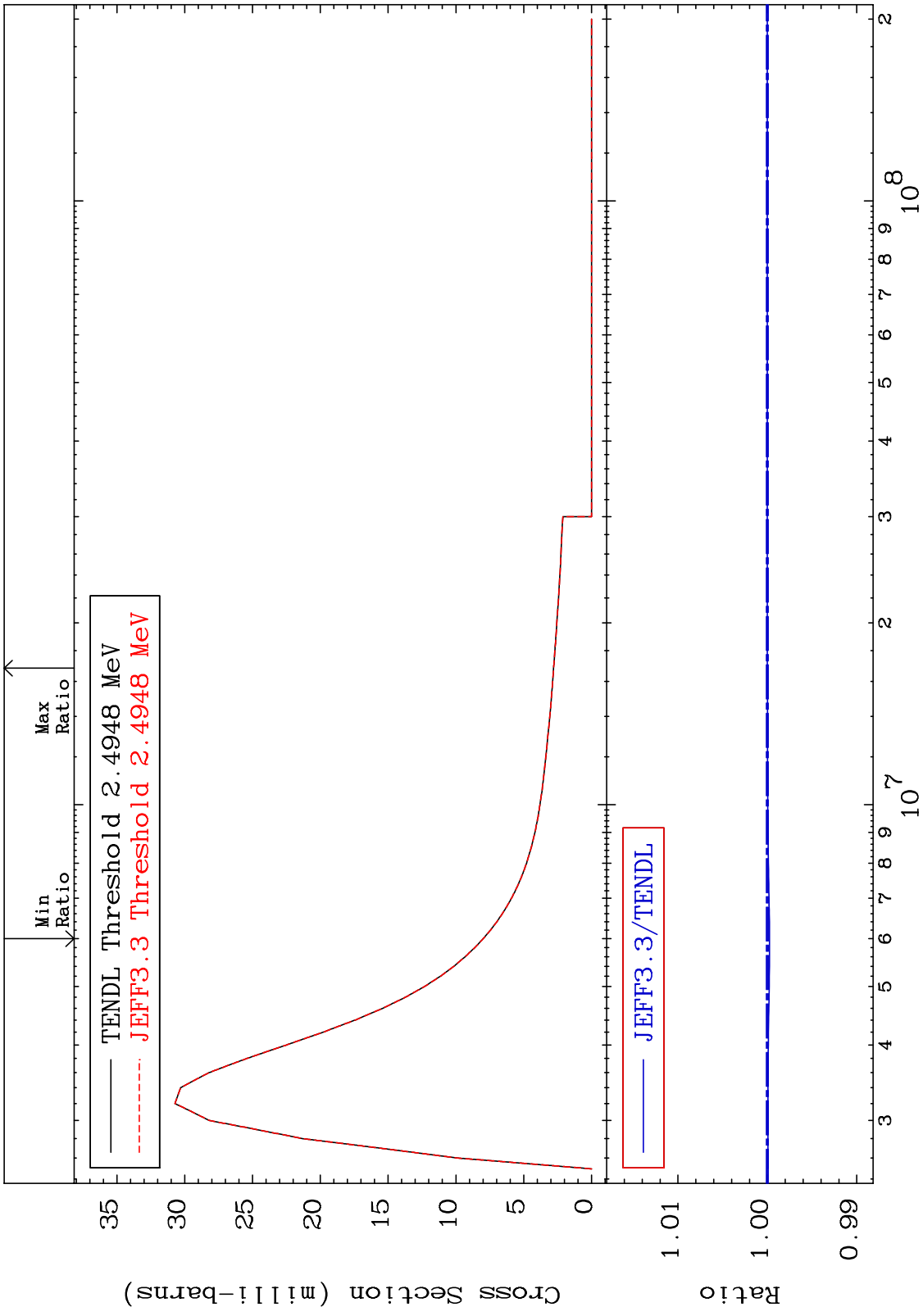


40

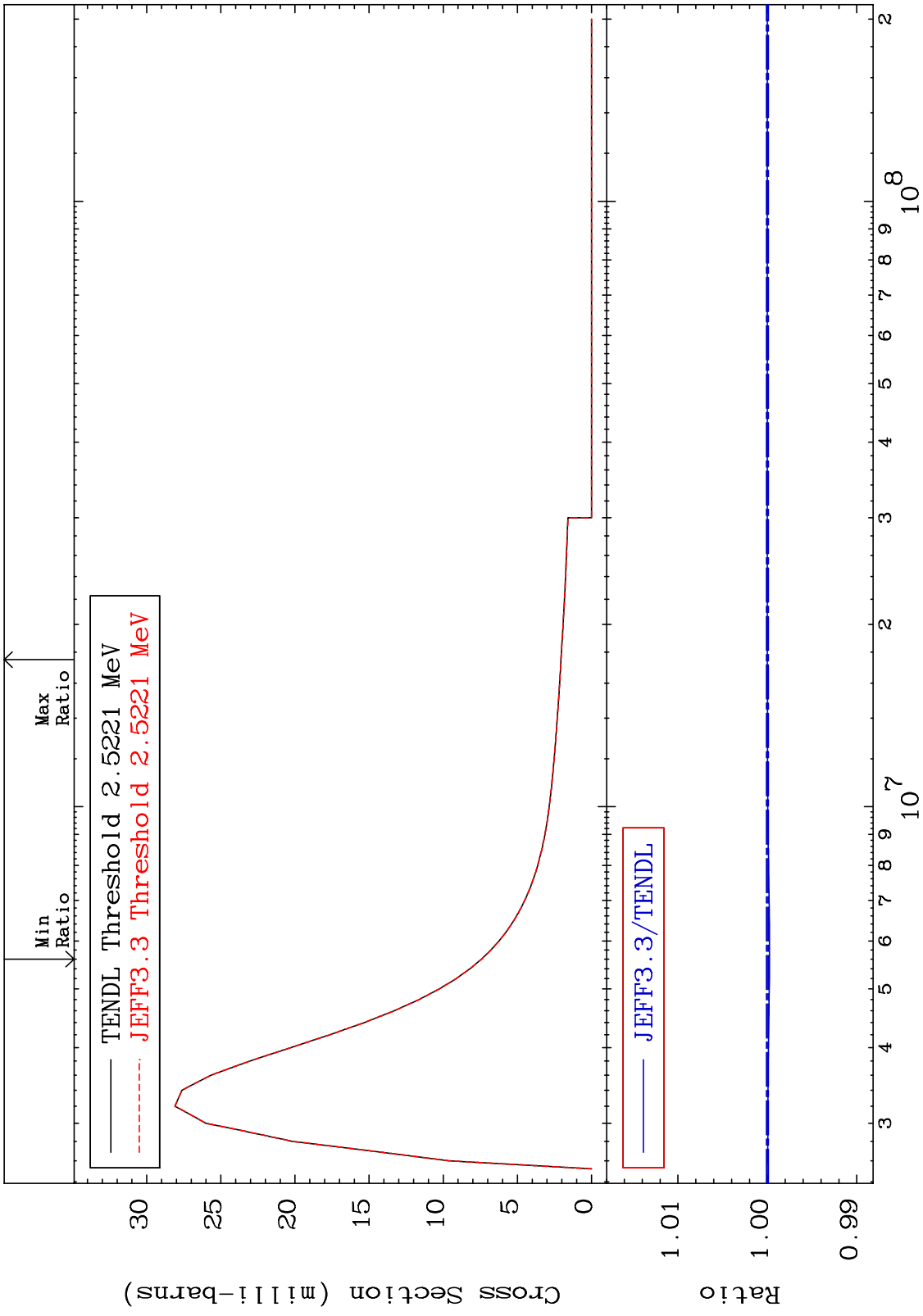
Incident Energy (eV)

31-Ga-69

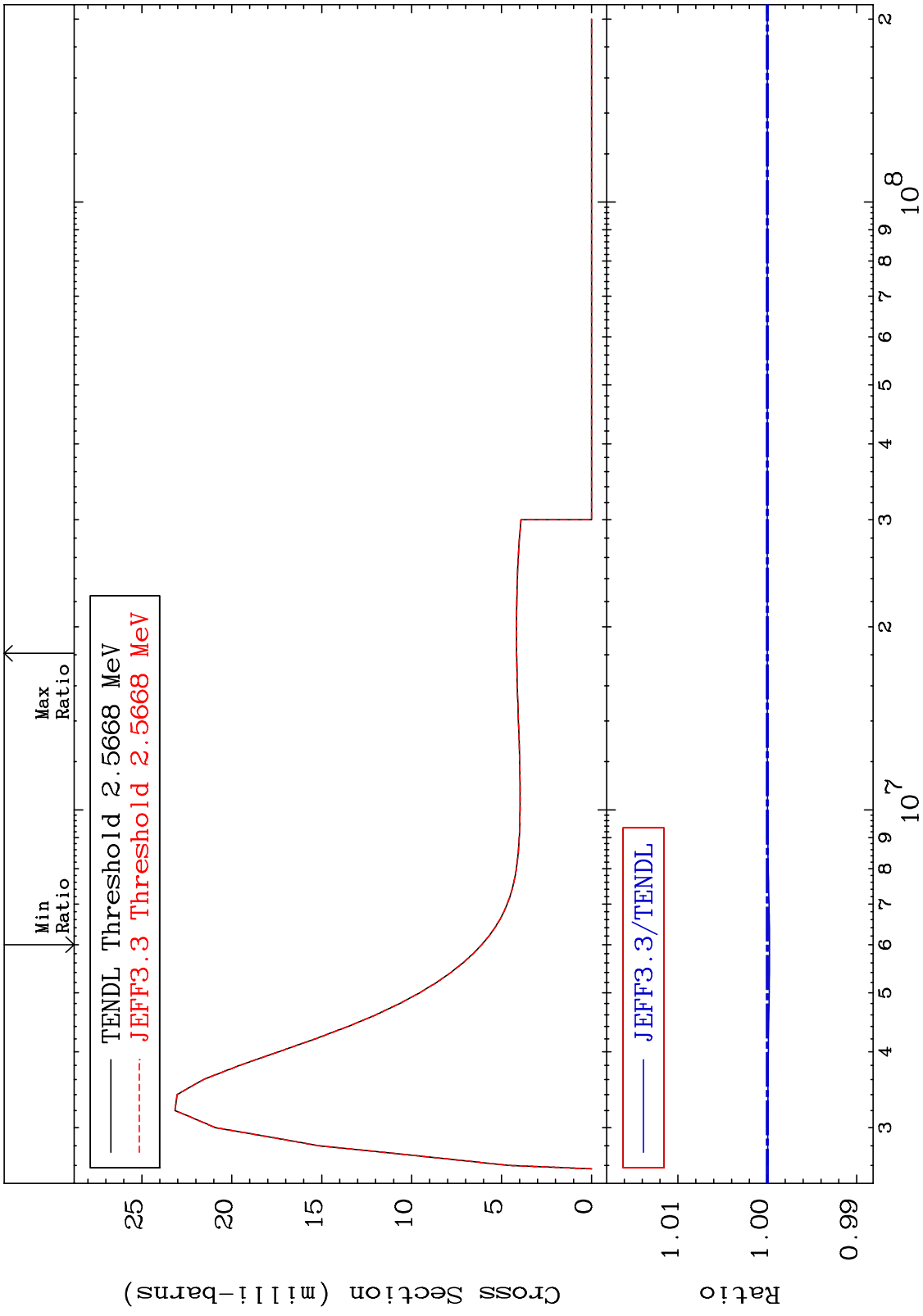
MAT 3125 MT= 76 (n,n') Level Cross Section 31-Ga-69
 -0.024 To 0.000 %



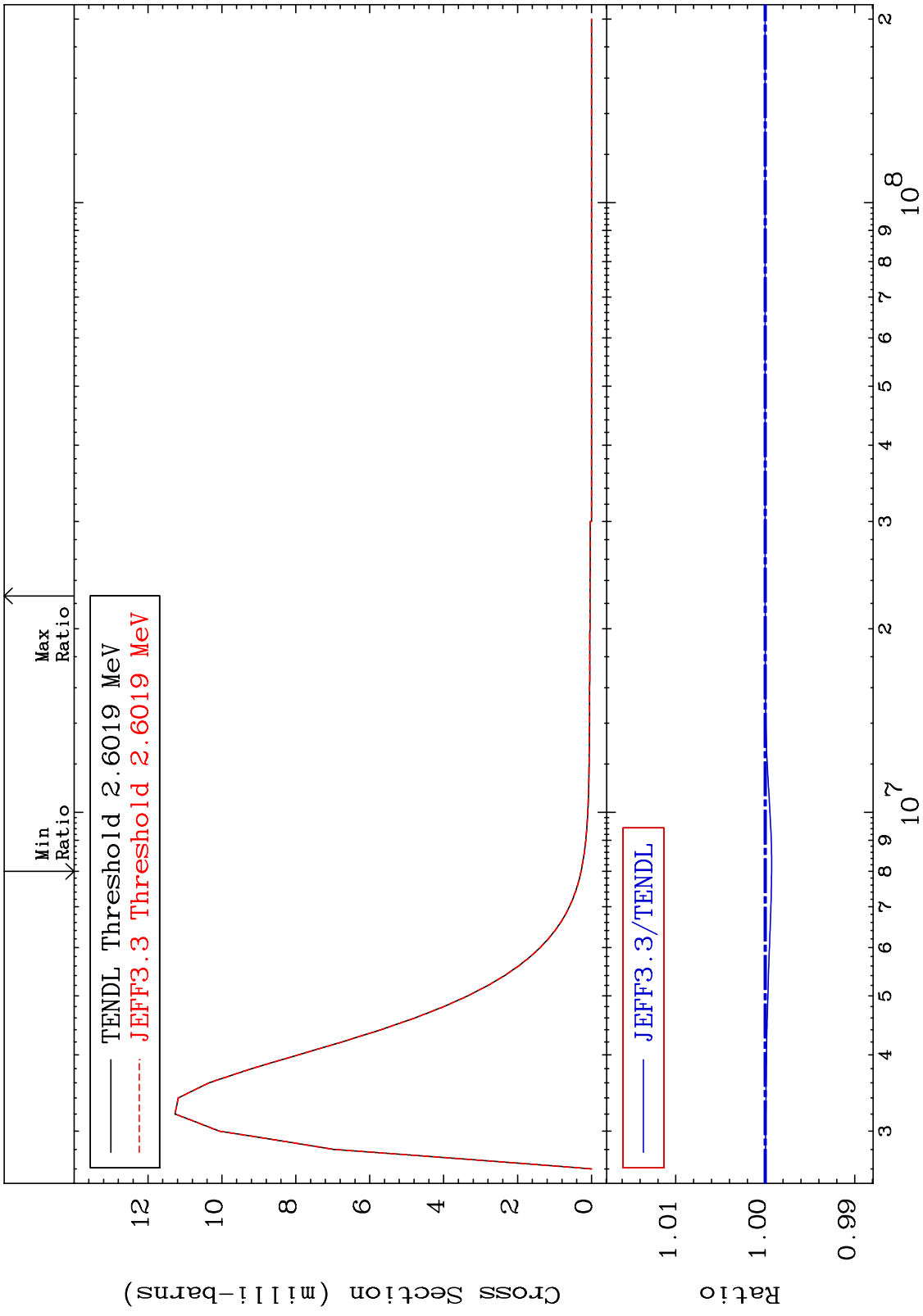
MAT 3125 MT= 77 (n,n') Level Cross Section 31-Ga-69
 -0.024 To 0.000 %



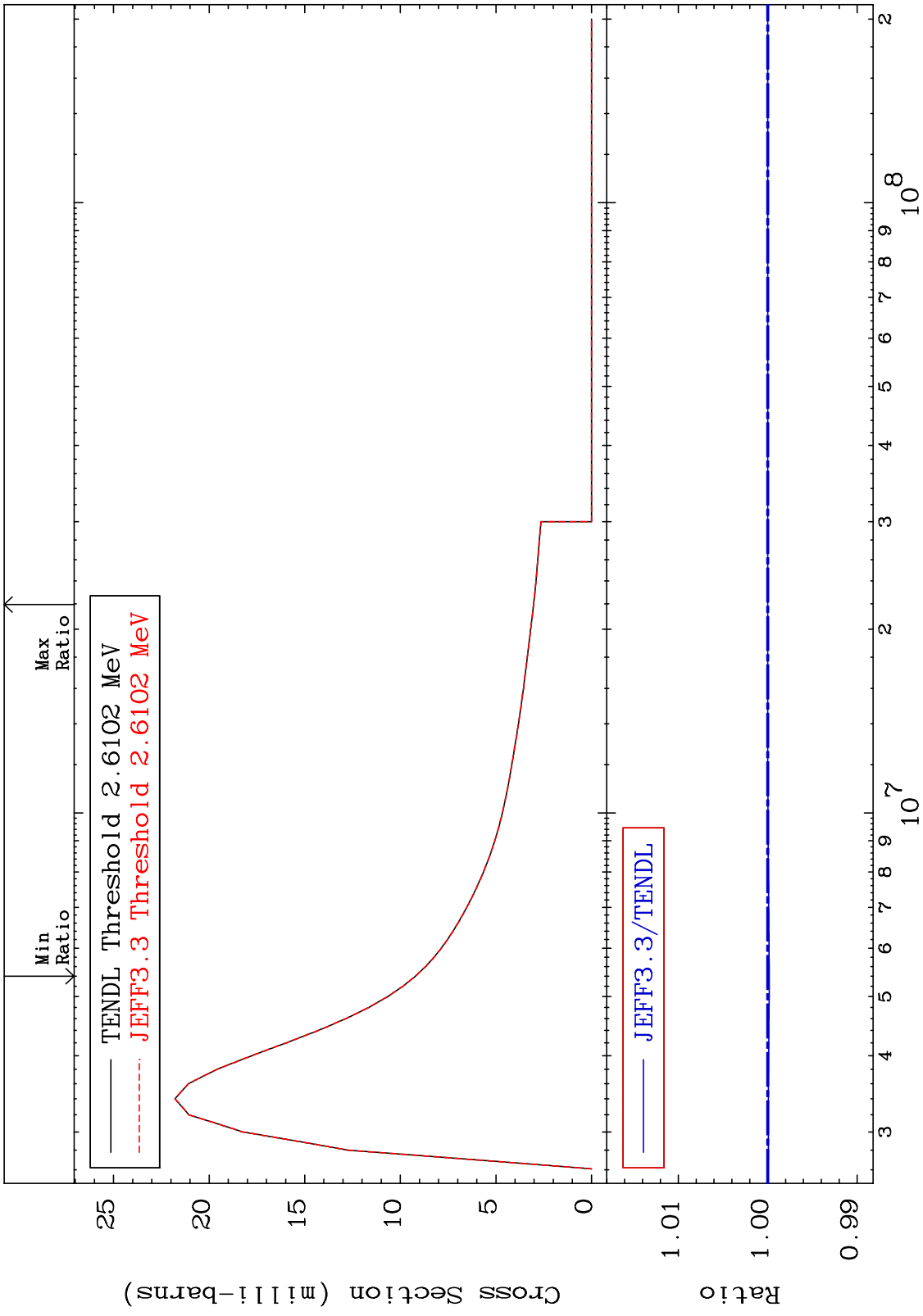
MAT 3125 MT= 78 (n,n') Level Cross Section 31-Ga-69
 -0.025 To 0.000 %

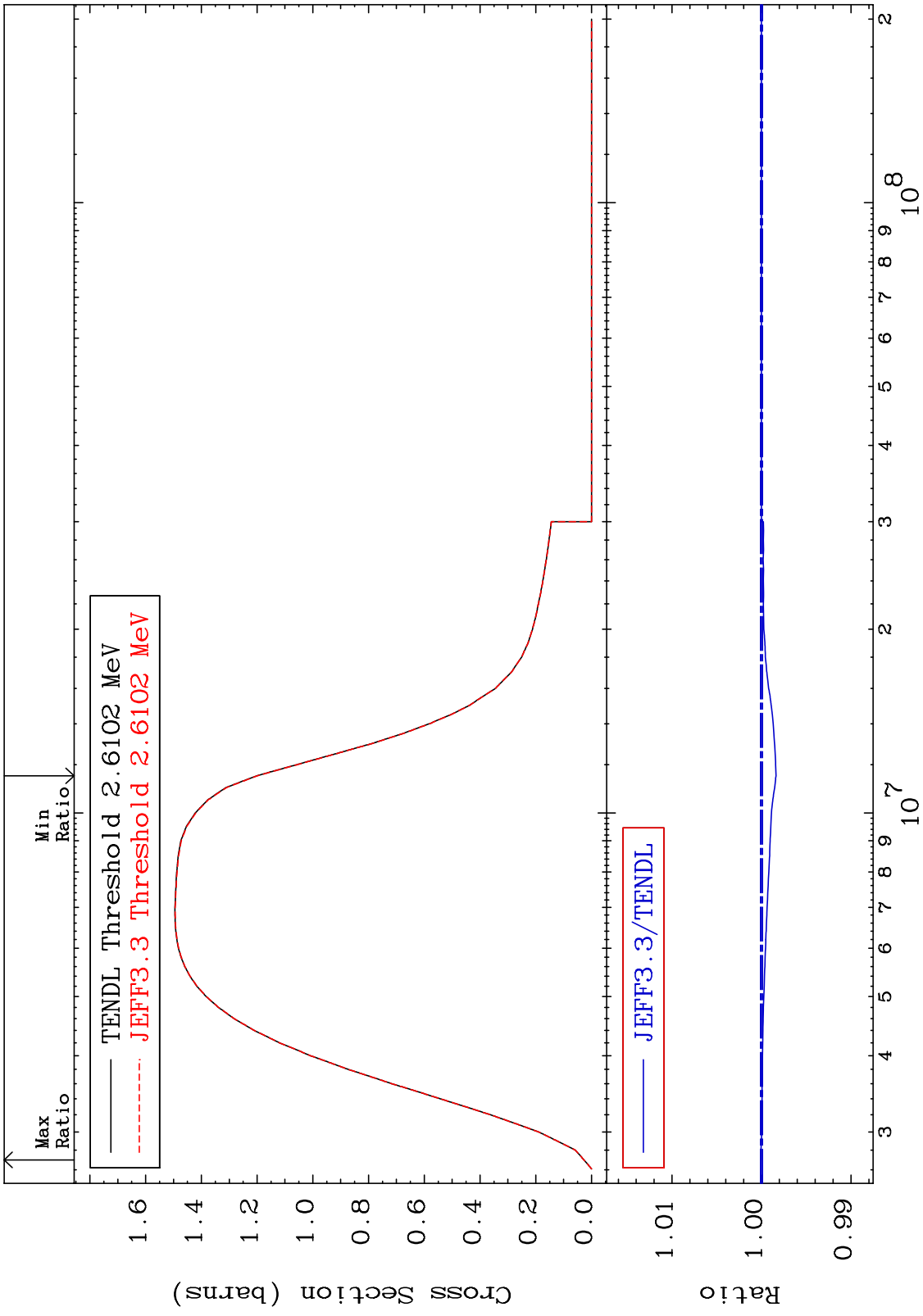


MAT 3125 MT= 79 (n,n') Level Cross Section 31-Ga-69 -0.072 To 0.000 %



MAT 3125 MT= 80 (n,n') Level Cross Section 31-Ga-69 -0.017 To 0.000 %





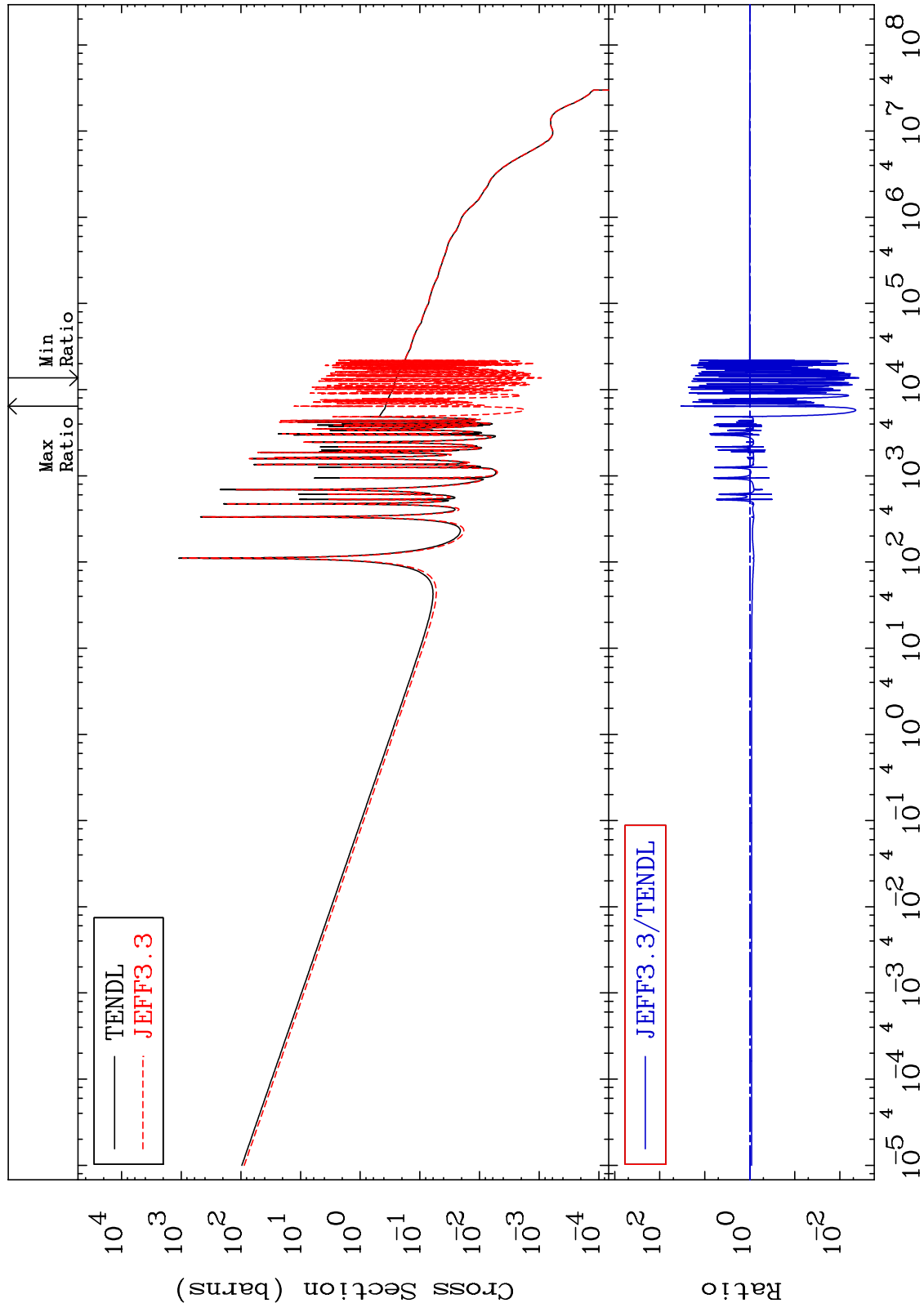
MAT 3125

(n, γ)

31-Ga-69

Cross Section

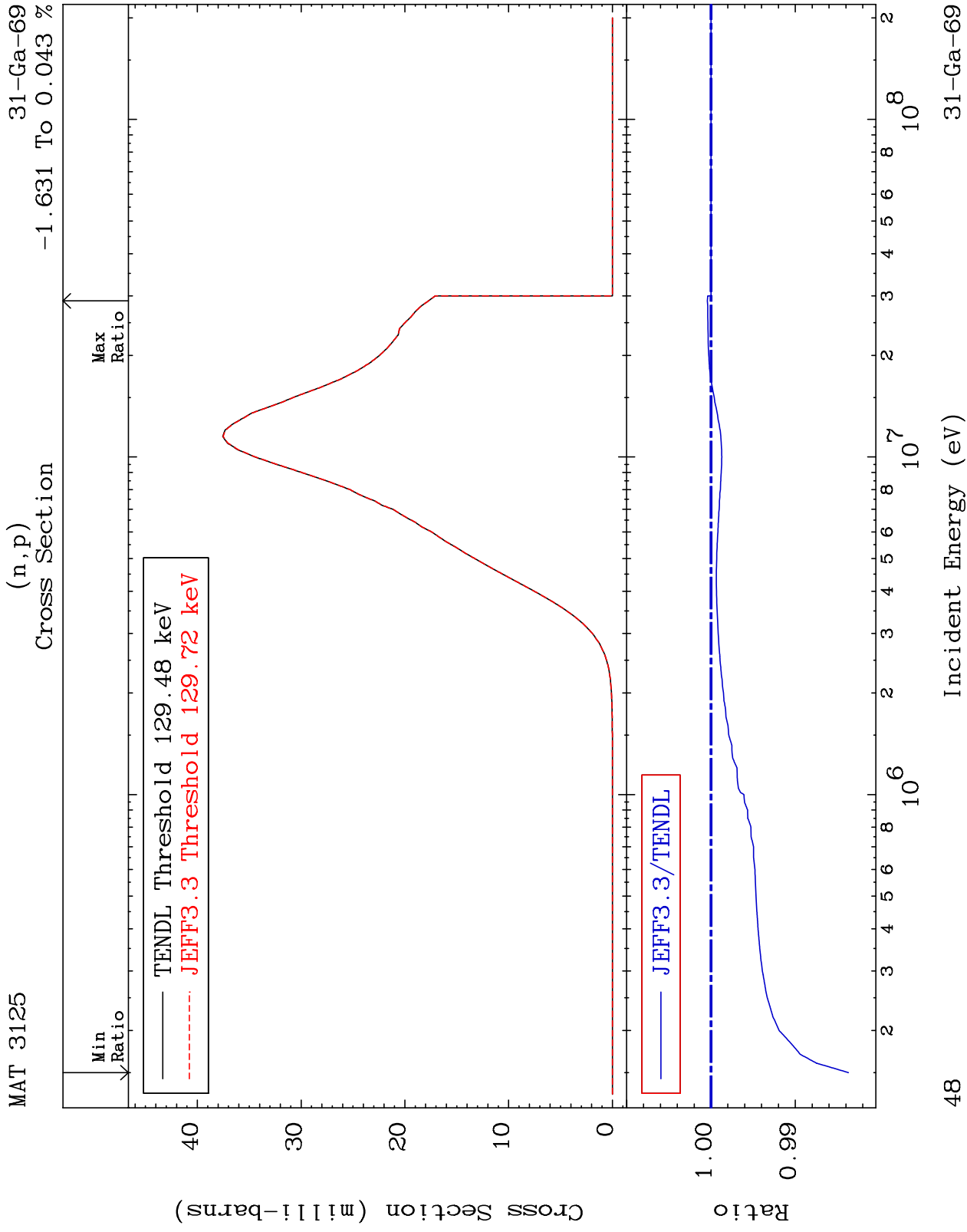
-99.63 To 3299. %



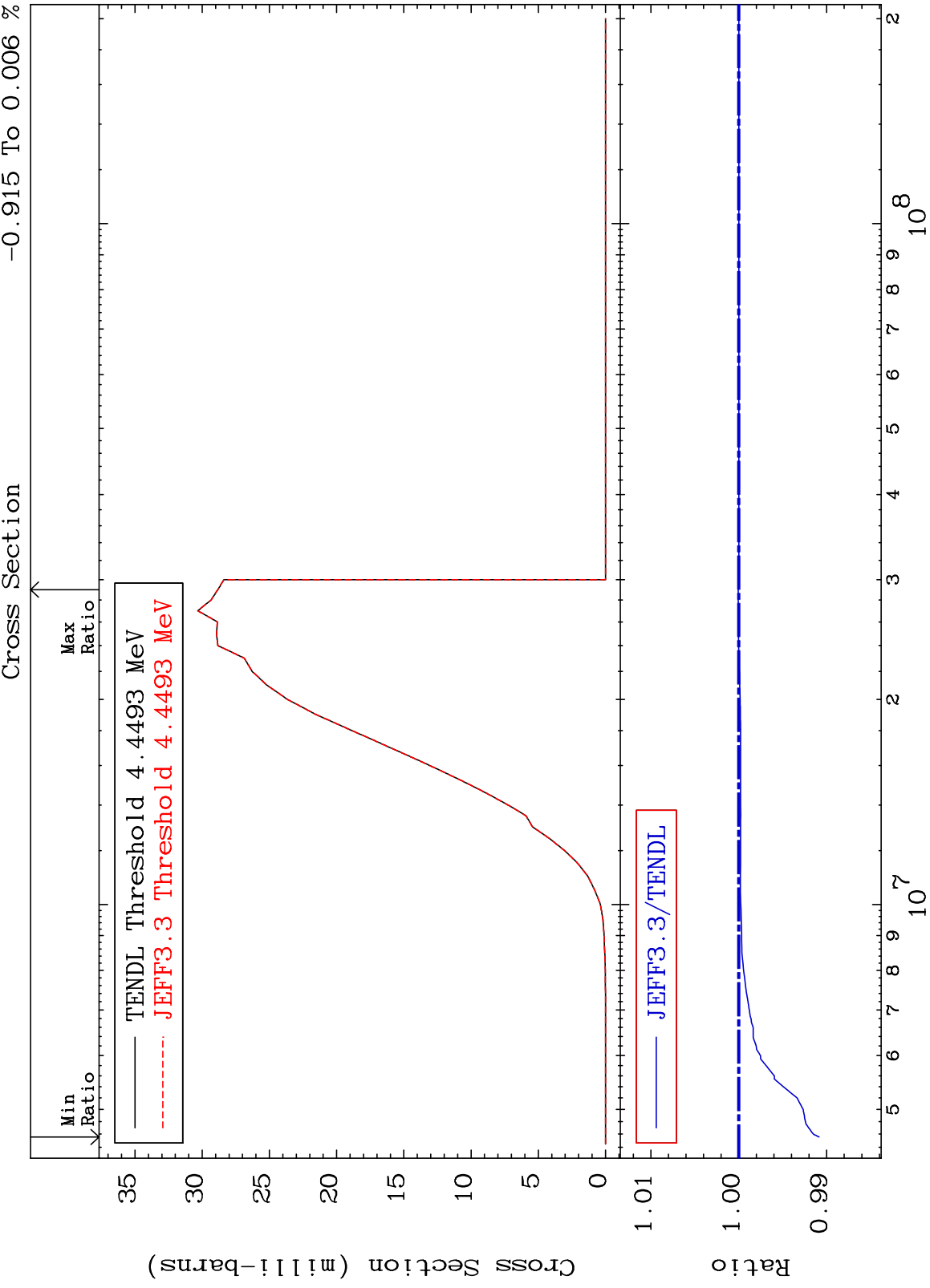
47

Incident Energy (eV)

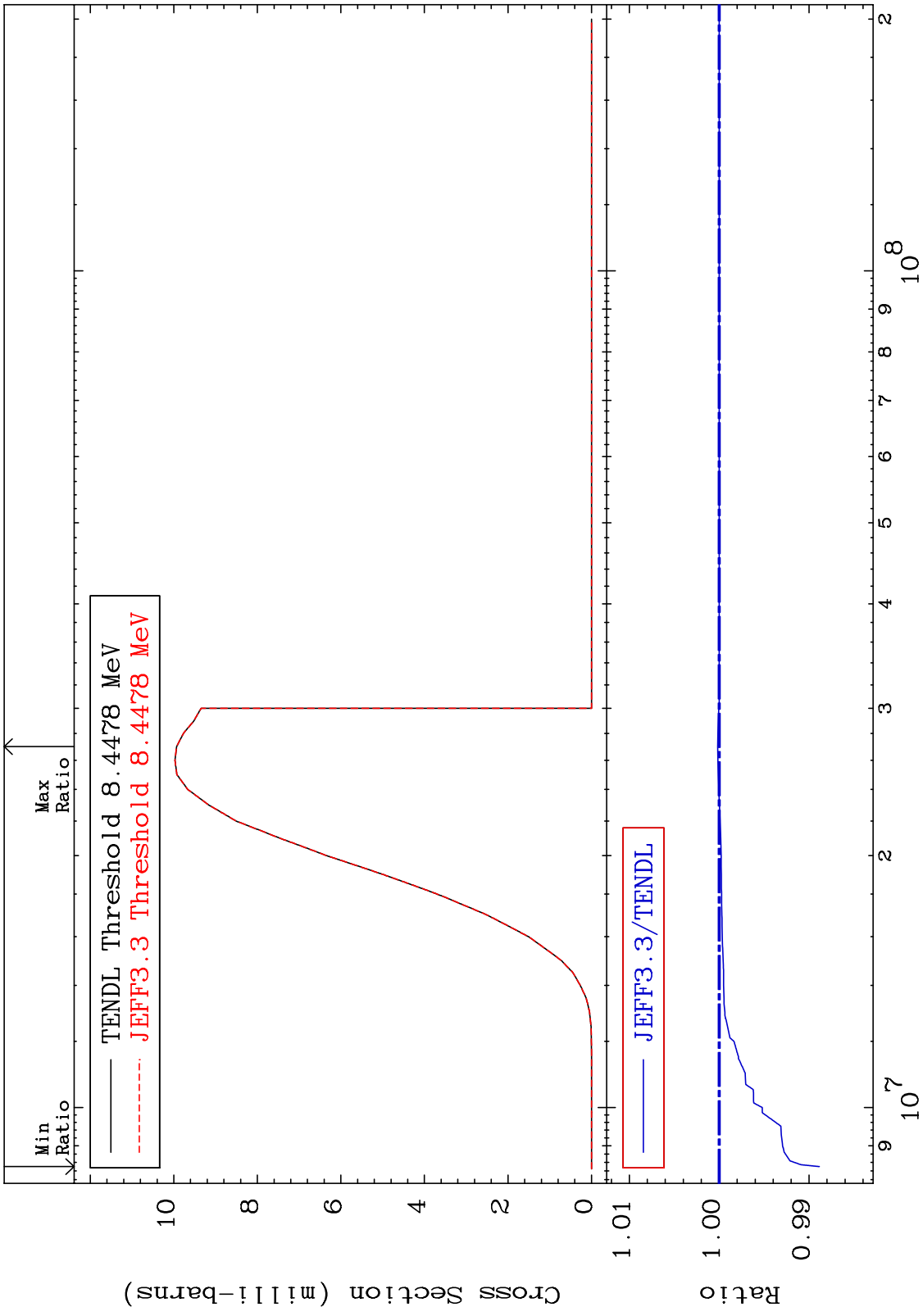
31-Ga-69



MAT 3125 (n,d) 31-Ga-69 -0.915 To 0.006 %

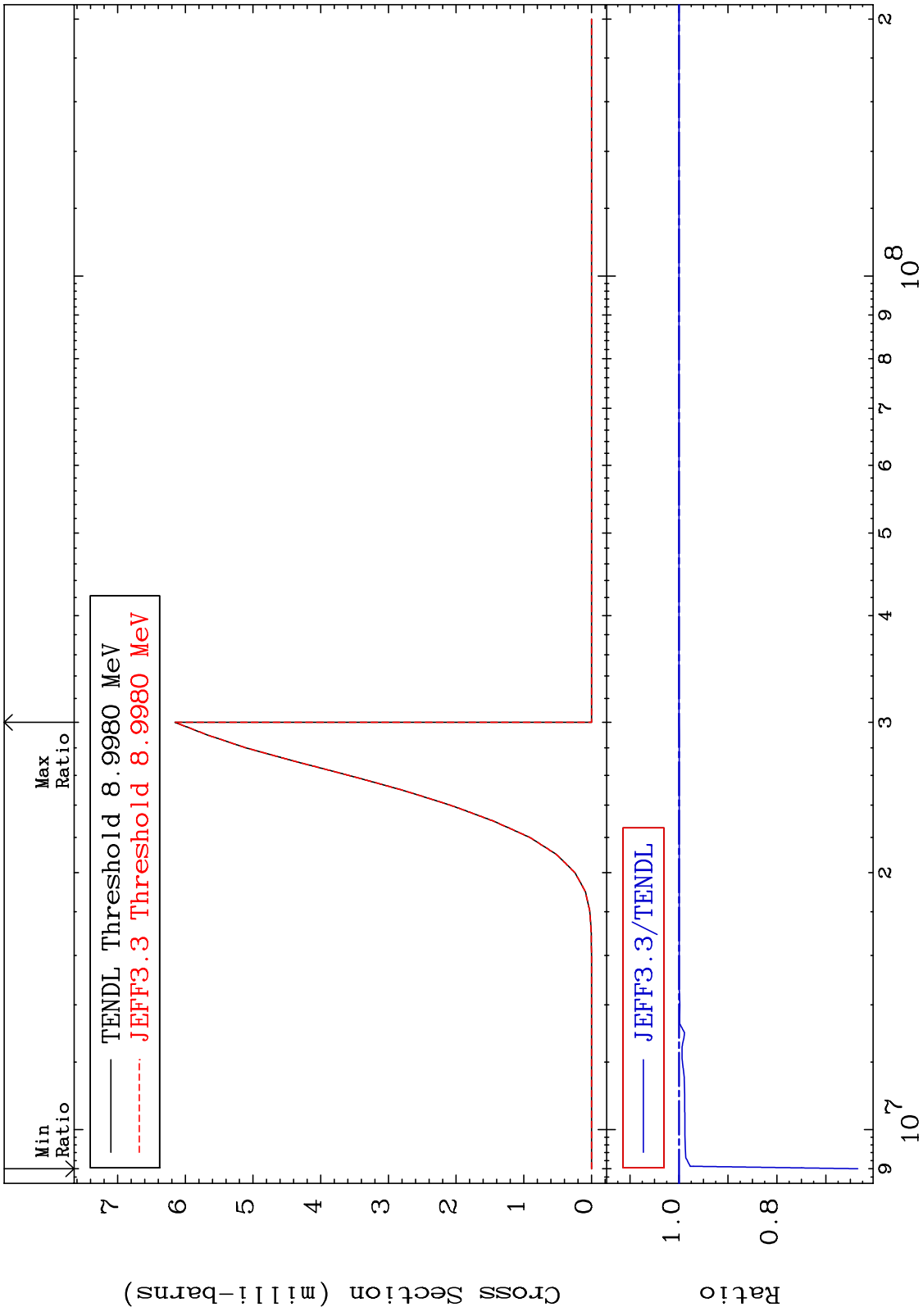


MAT 3125 (n,t) 31-Ga-69
Cross Section -1.113 To 0.017 %



50 Incident Energy (eV) 31-Ga-69

MAT 3125 (n, He-3) 31-Ga-69
 Cross Section -36.54 To 0.000 %



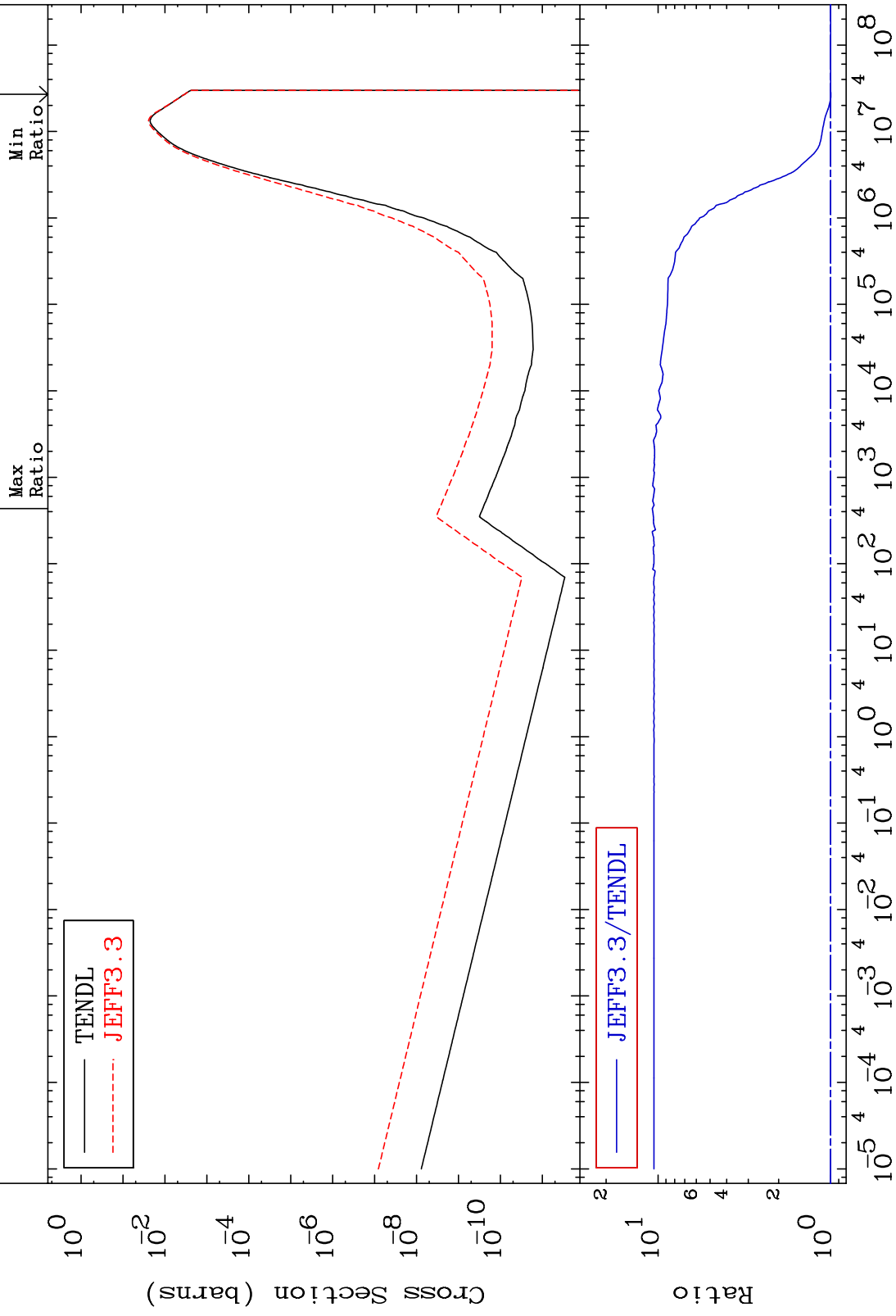
MAT 3125

(n, α)

31-Ga-69

-0.225 To 979.7 %

Cross Section

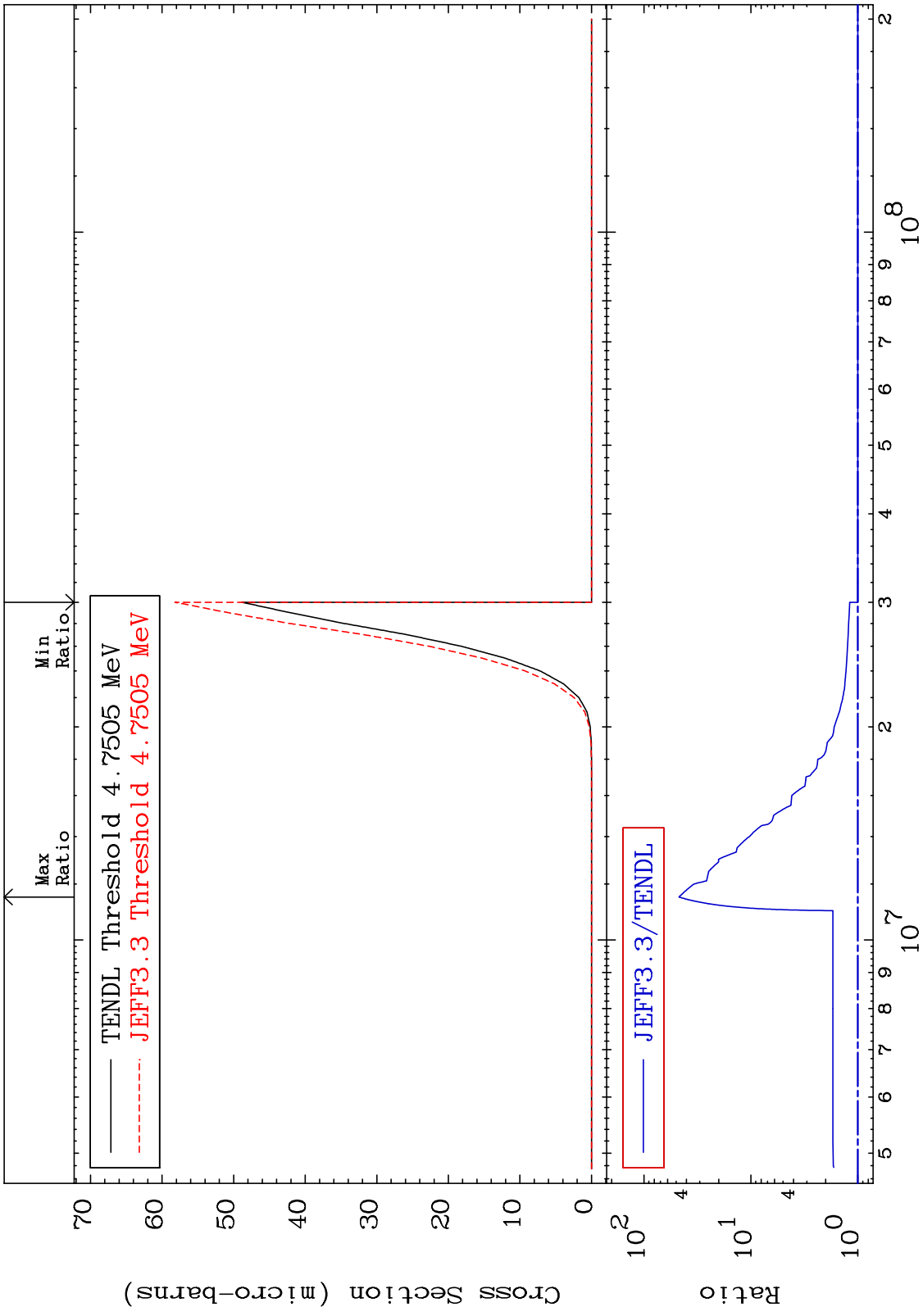


52

Incident Energy (eV)

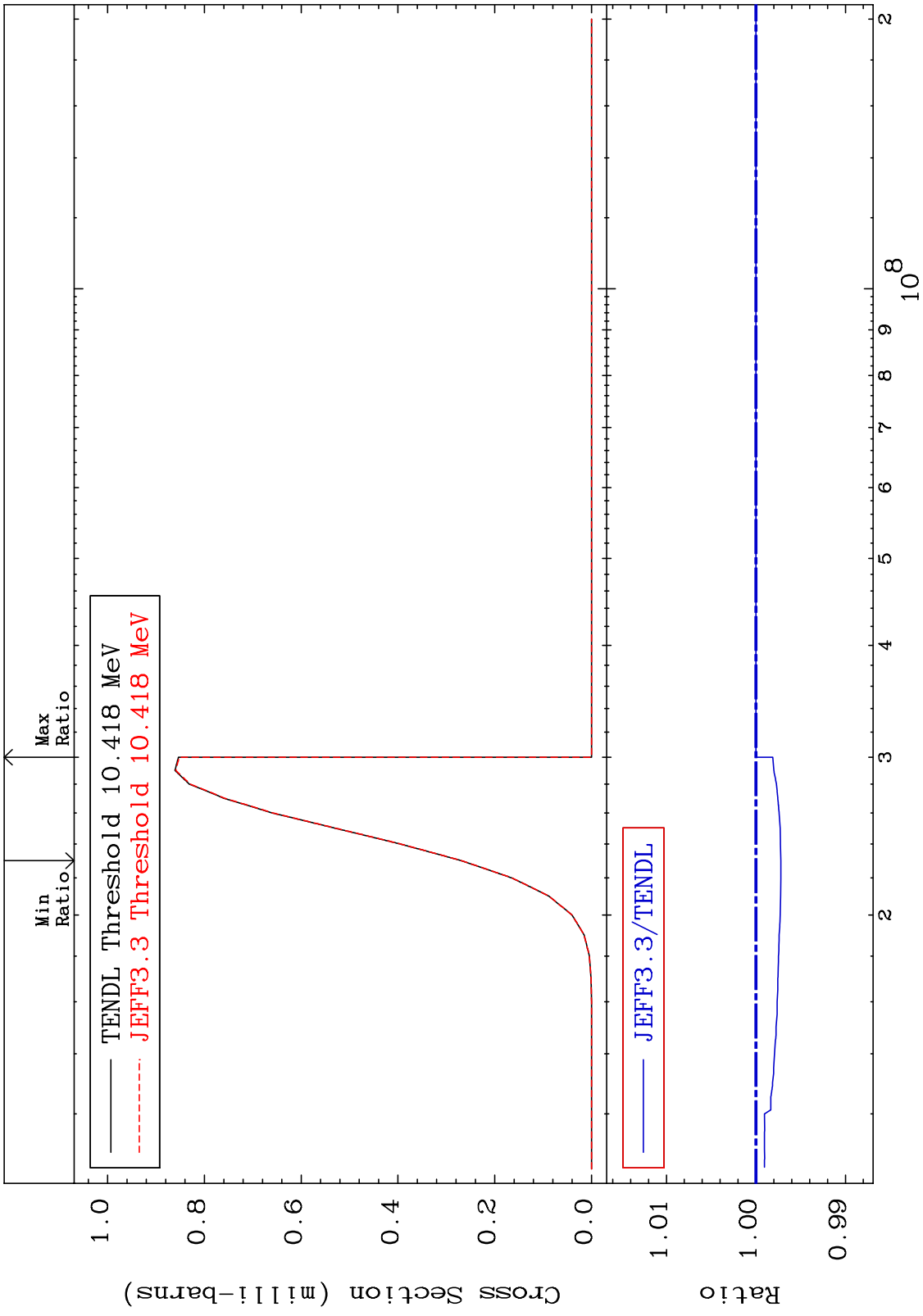
31-Ga-69

MAT 3125 $(n, 2\alpha)$ 31-Ga-69 To 4593. %
 Cross Section

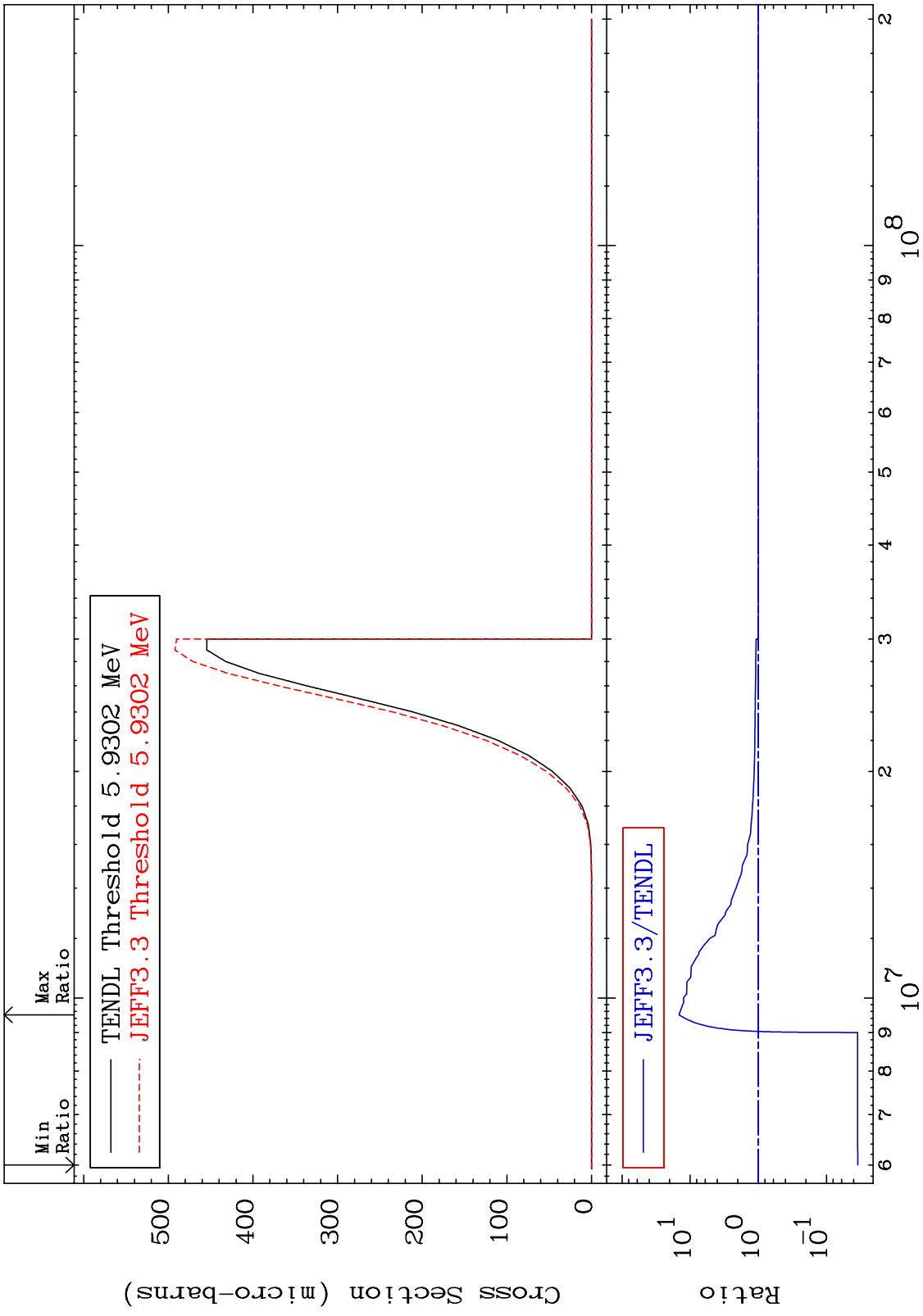


Incident Energy (eV) 31-Ga-69

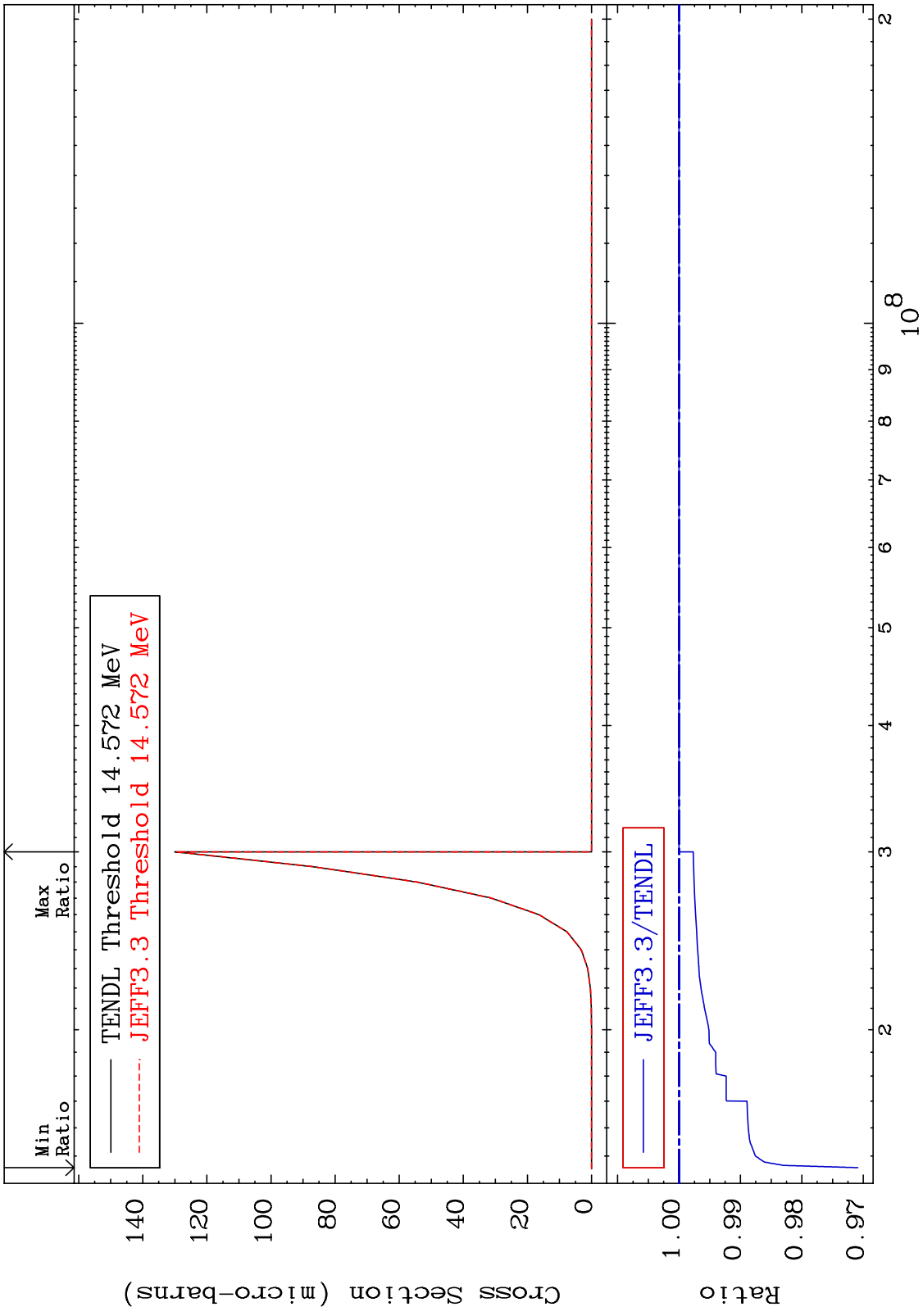
MAT 3125 (n,2p) Cross Section 31-Ga-69 -0.279 To 0.000 %



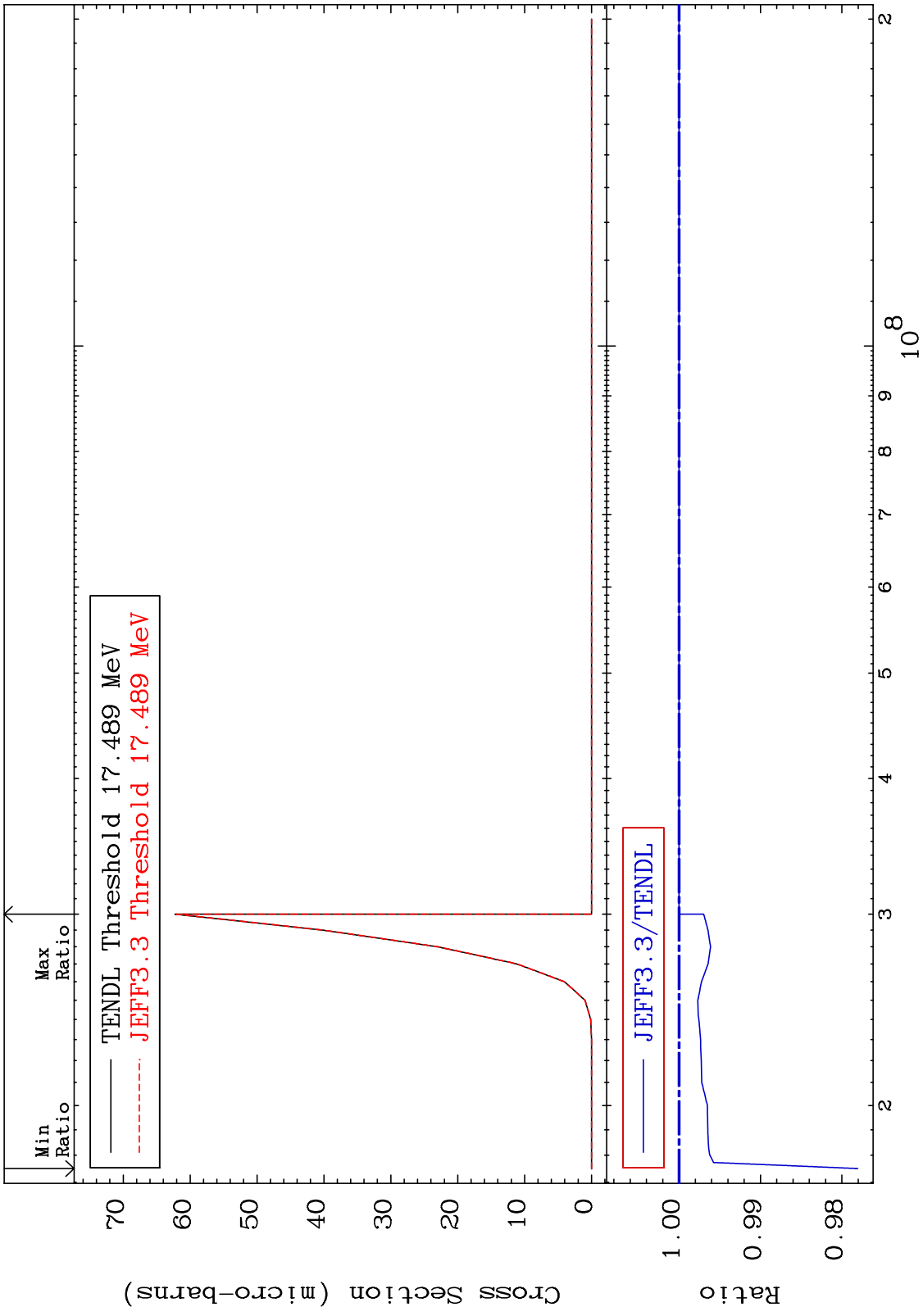
MAT 3125 $(n,p) \alpha$ 31-Ga-69
 Cross Section -96.54 To 1357. %



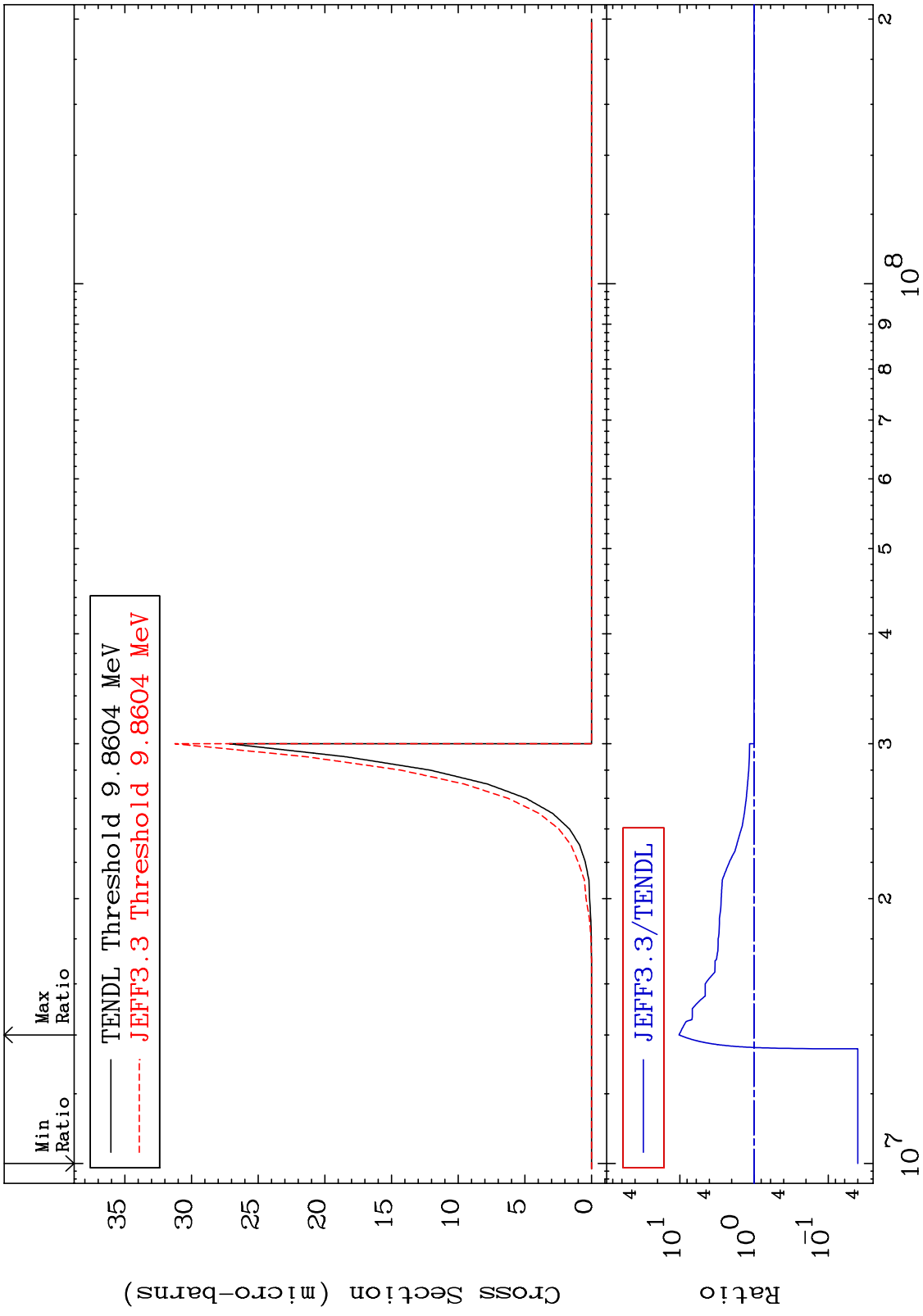
MAT 3125 (n,p) d 31-Ga-69
 Cross Section -2.912 To 0.000 %



MAT 3125 (n,p) t 31-Ga-69
 Cross Section -2.196 To 0.000 %



MAT 3125 (n,d) α 31-Ga-69
Cross Section -96.00 To 923.8 %



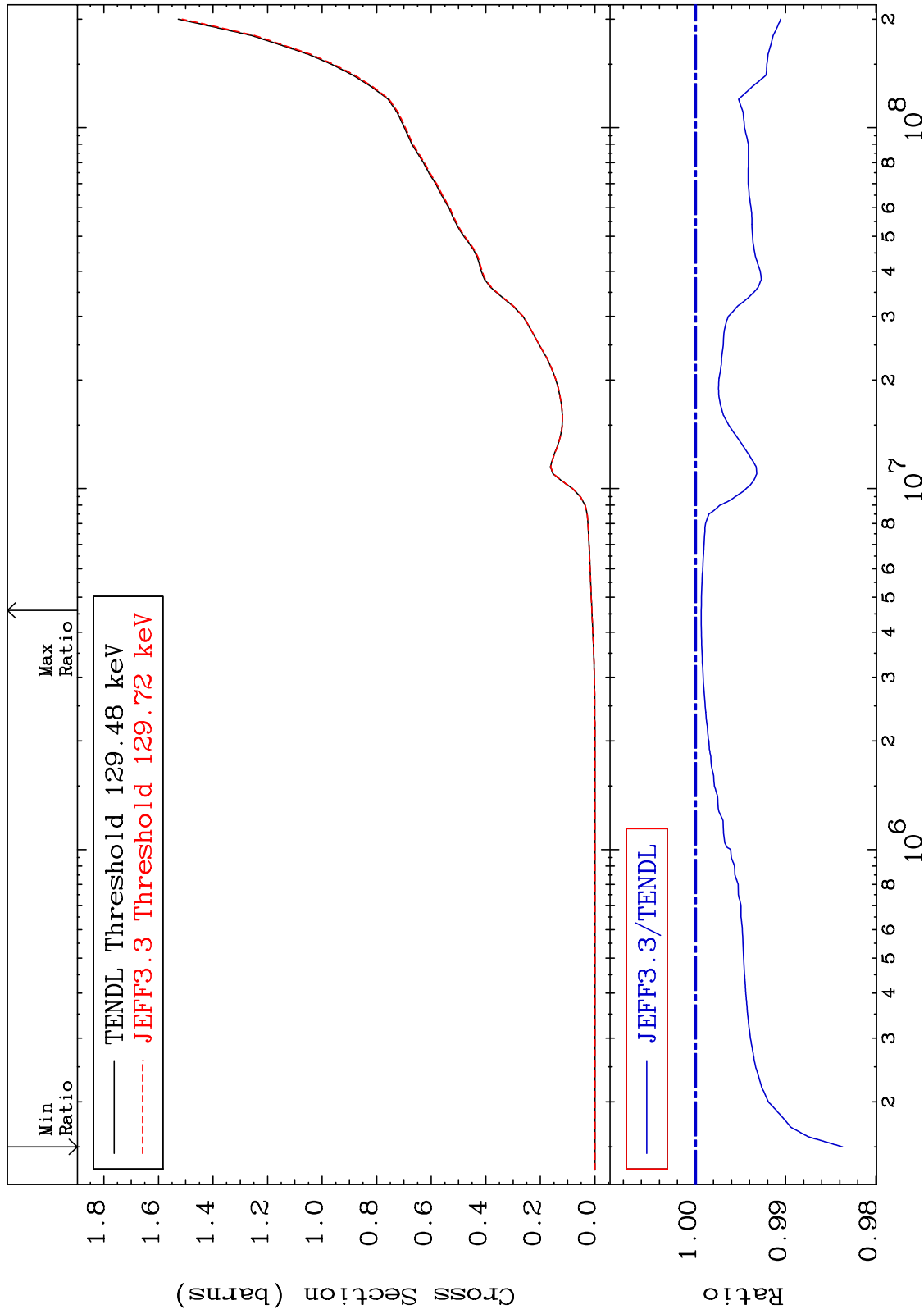
31-Ga-69

Incident Energy (eV)

MAT 3125

Hydrogen Production
Cross Section

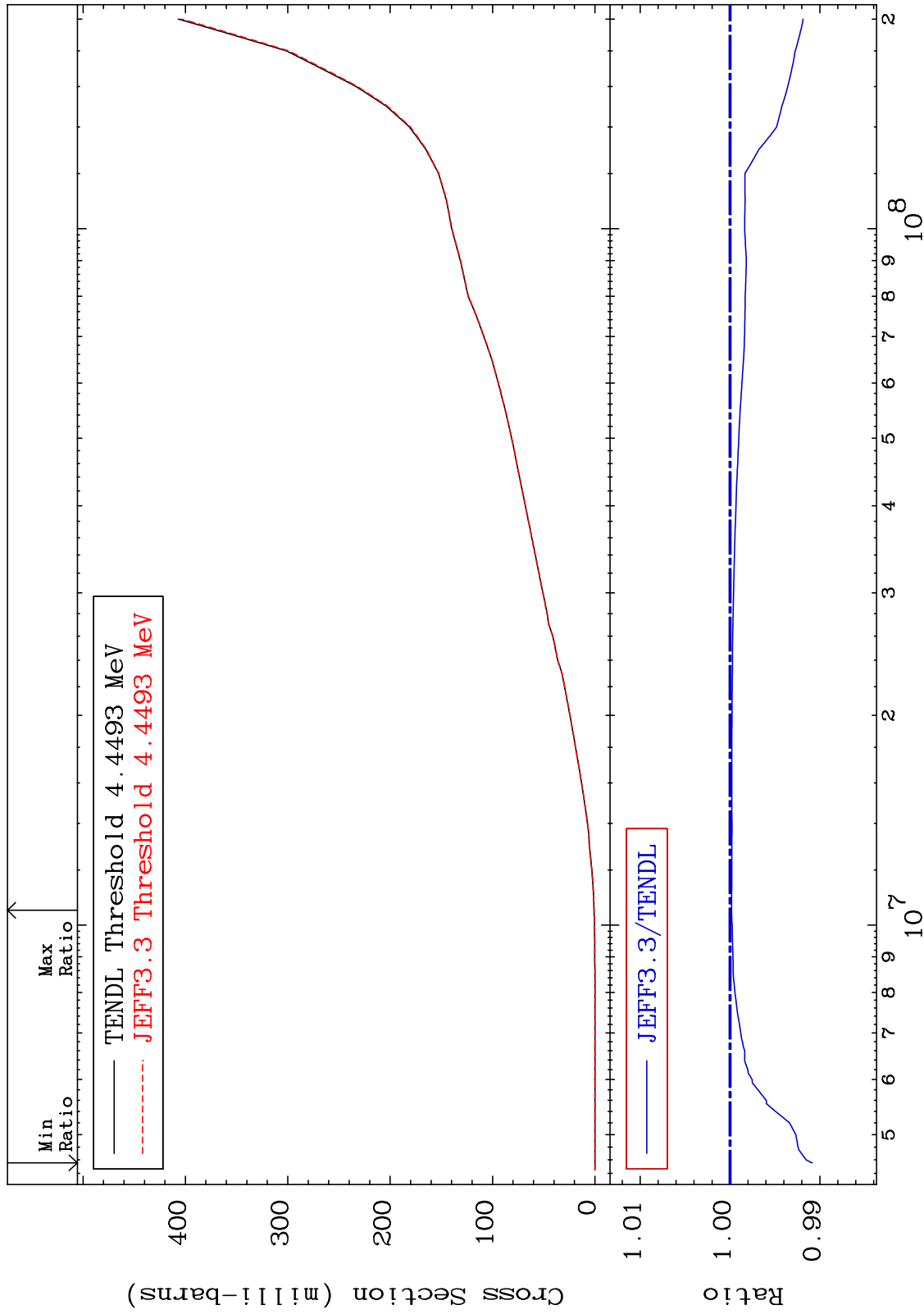
³¹Ga-69
-1.631 To -0.064%



MAT 3125

Deuterium Production Cross Section

³¹-Ga-69
-0.915 To -0.017%



60

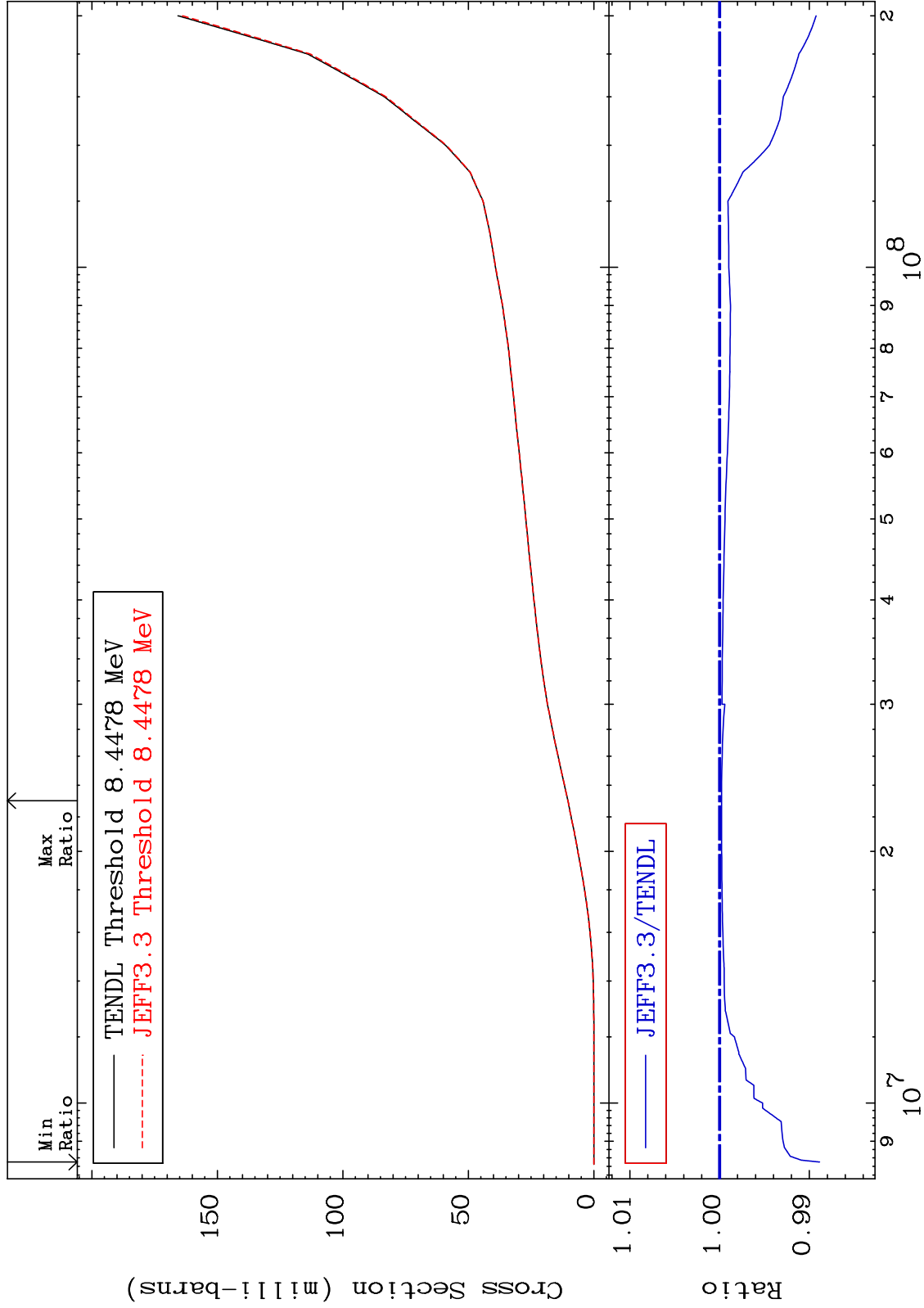
Incident Energy (eV)

³¹-Ga-69

MAT 3125

Tritium Production
Cross Section

31-Ga-69
-1.113 To -0.021%



61

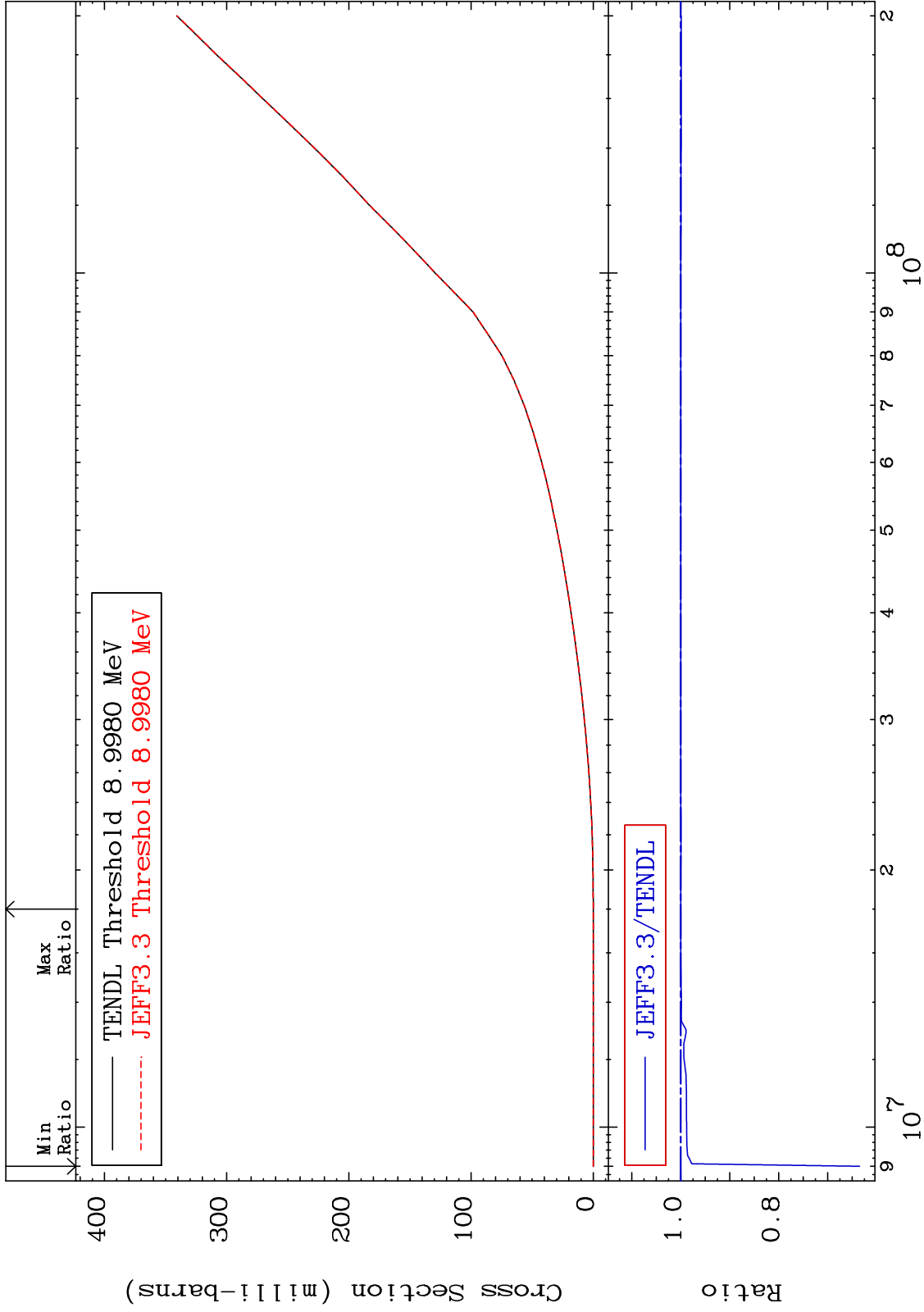
Incident Energy (eV)

31-Ga-69

MAT 3125

He-3 Production
Cross Section

31-Ga-69
-36.54 To -0.014%



62

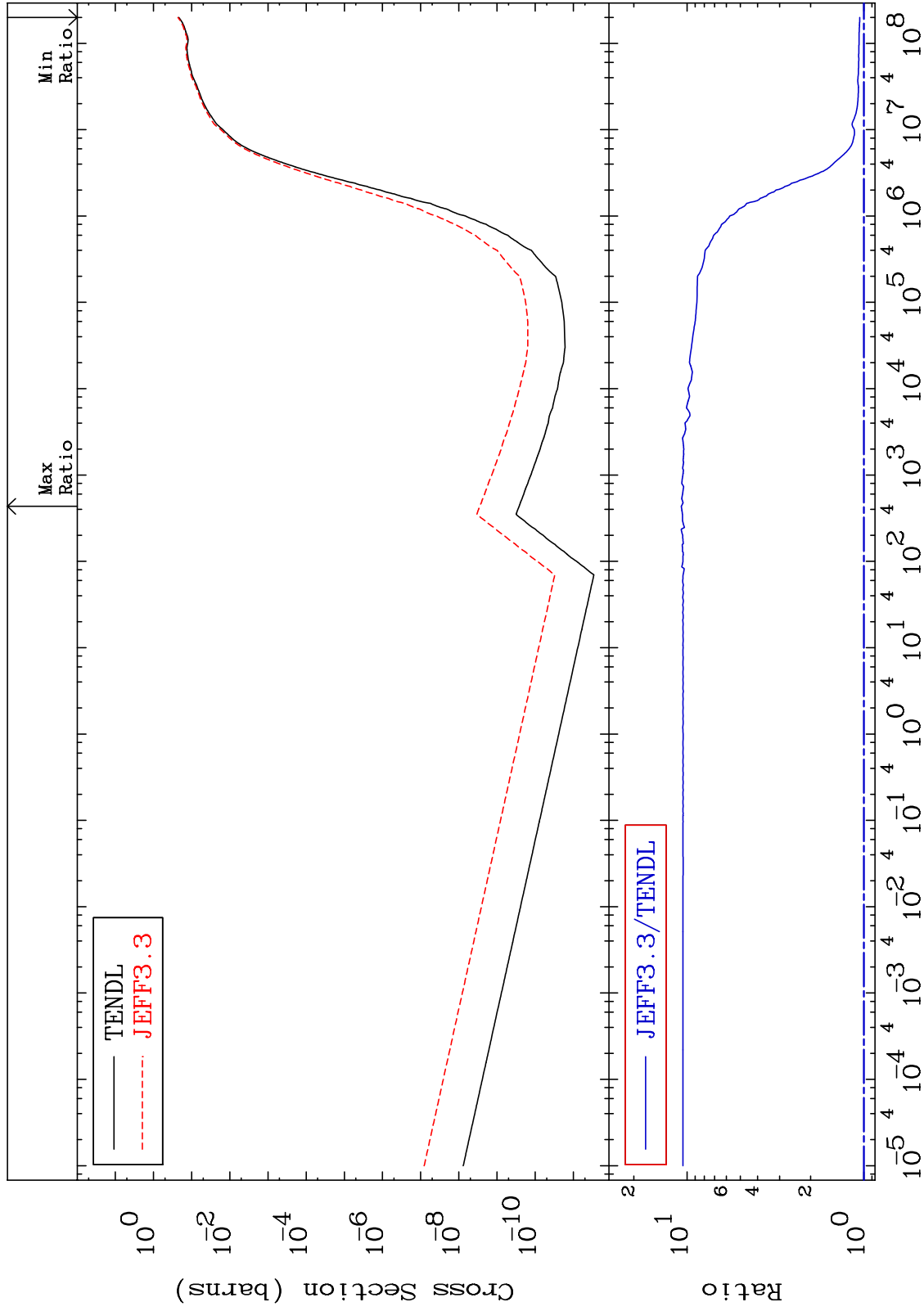
Incident Energy (eV)

31-Ga-69

MAT 3125

He-4 Production
Cross Section

31-Ga-69
To 979.7 %

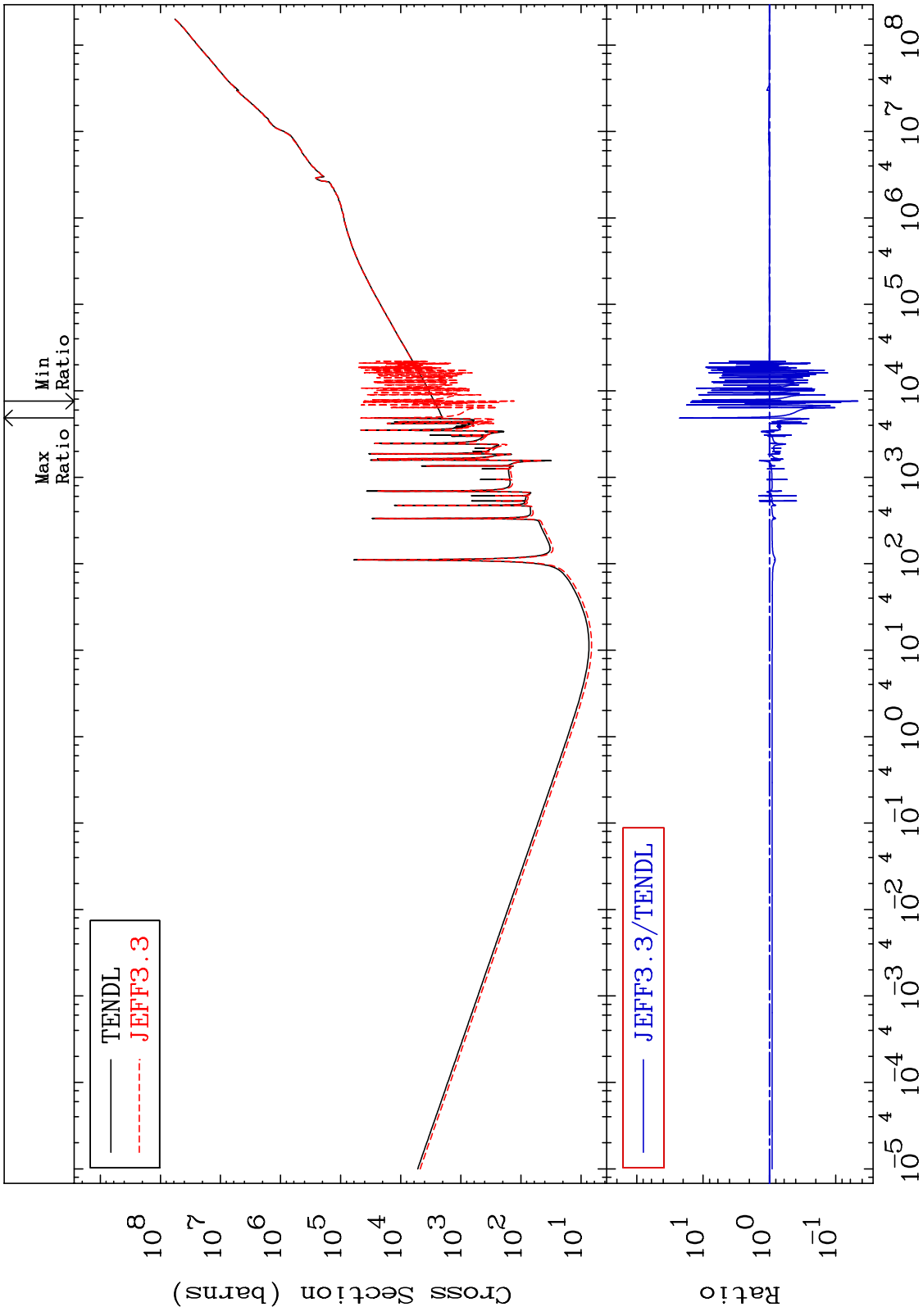


63

Incident Energy (eV)

31-Ga-69

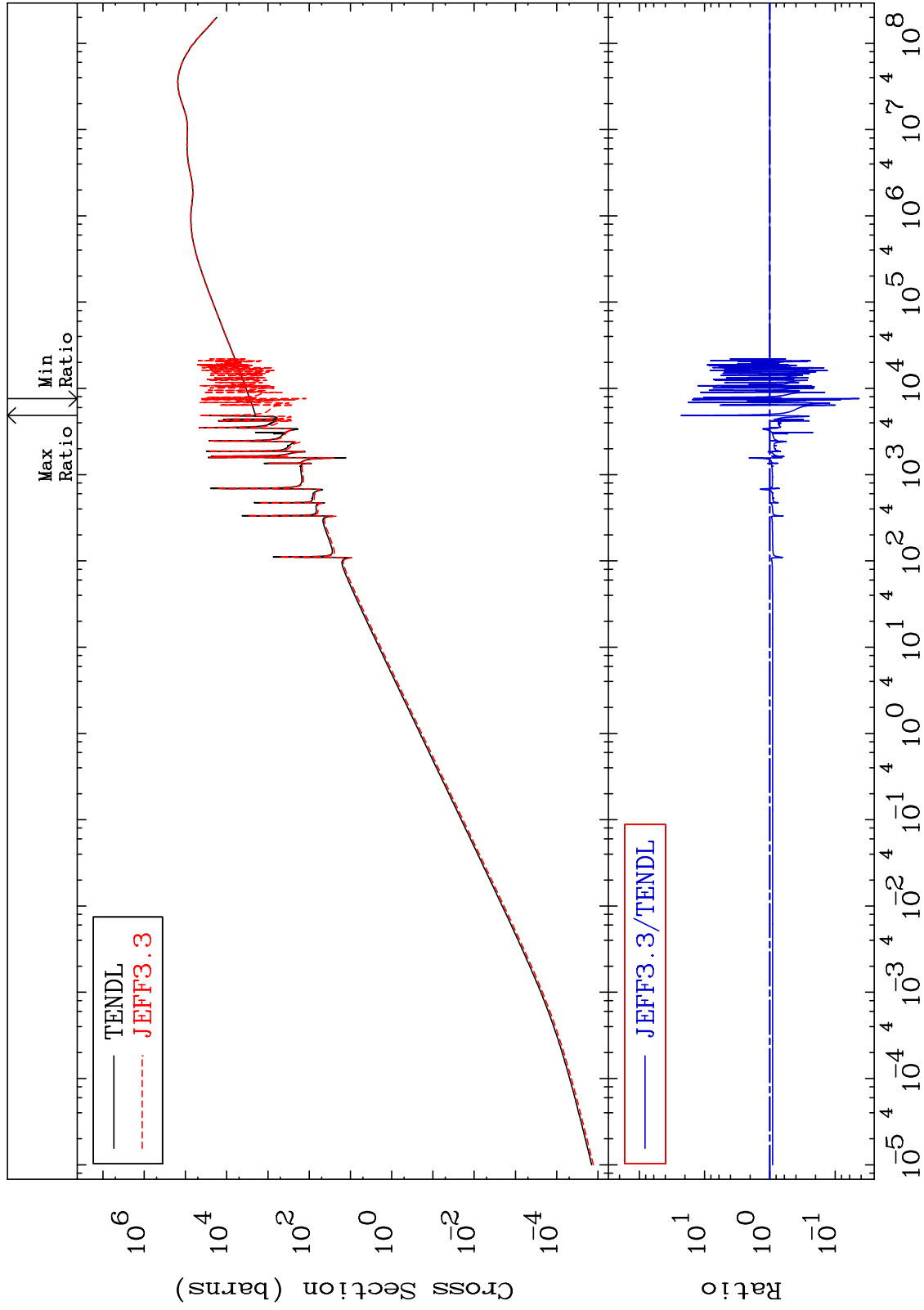
MAT 3125 Kerma total (eV-barns) 31-Ga-69
 Cross Section -95.36 To 2203. %



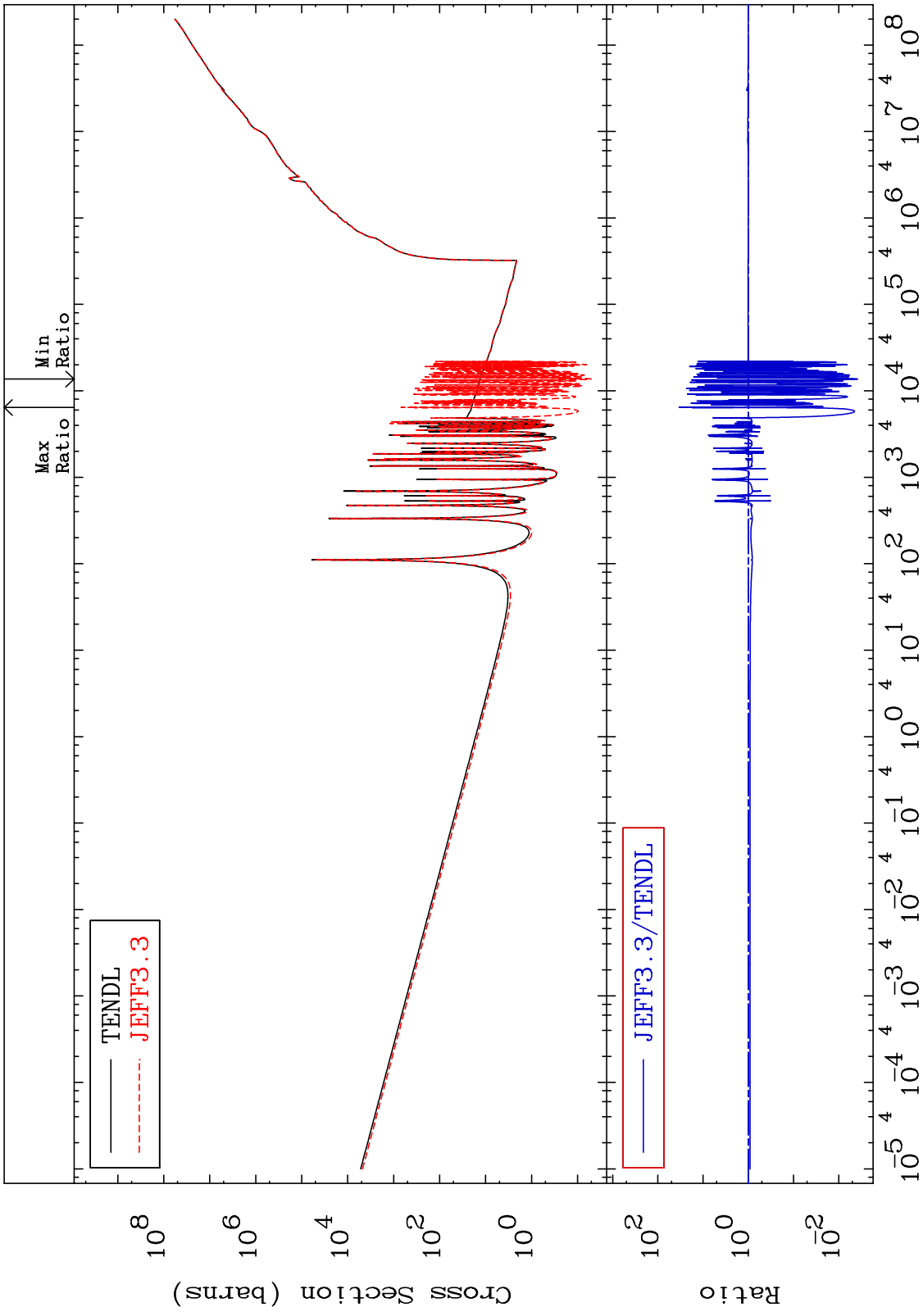
MAT 3125

Kerma elastic
Cross Section

31-Ga-69
-95.69 To 2225. %



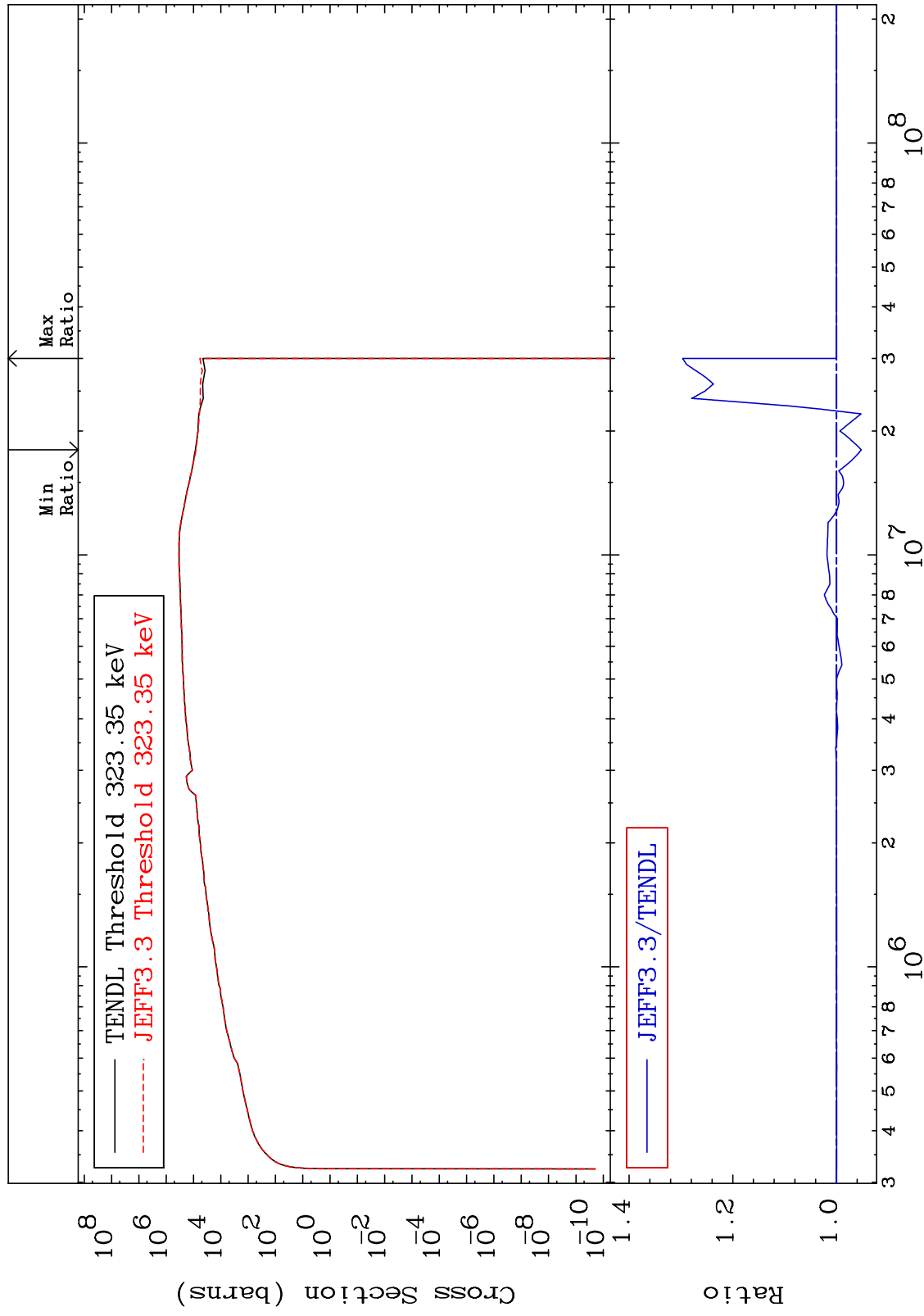
MAT 3125 Kerma non-elastic (all but mt2) 31-Ga-69
 Cross Section -99.62 To 3299. %



MAT 3125

Kerma inelastic (mt51-91)
Cross Section

31-Ga-69
-4.797 To 29.66 %



67

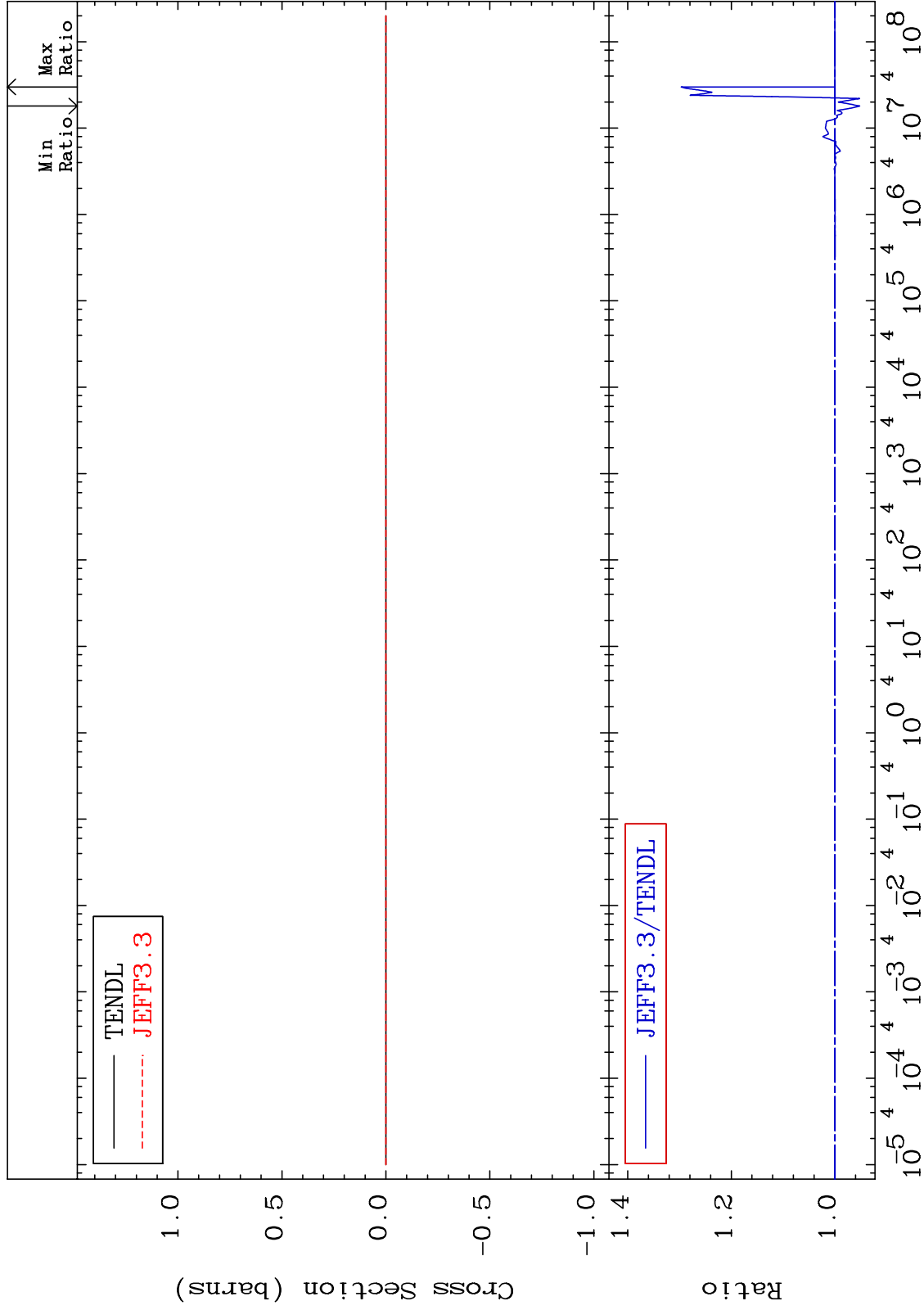
Incident Energy (eV)

31-Ga-69

MAT 3125

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

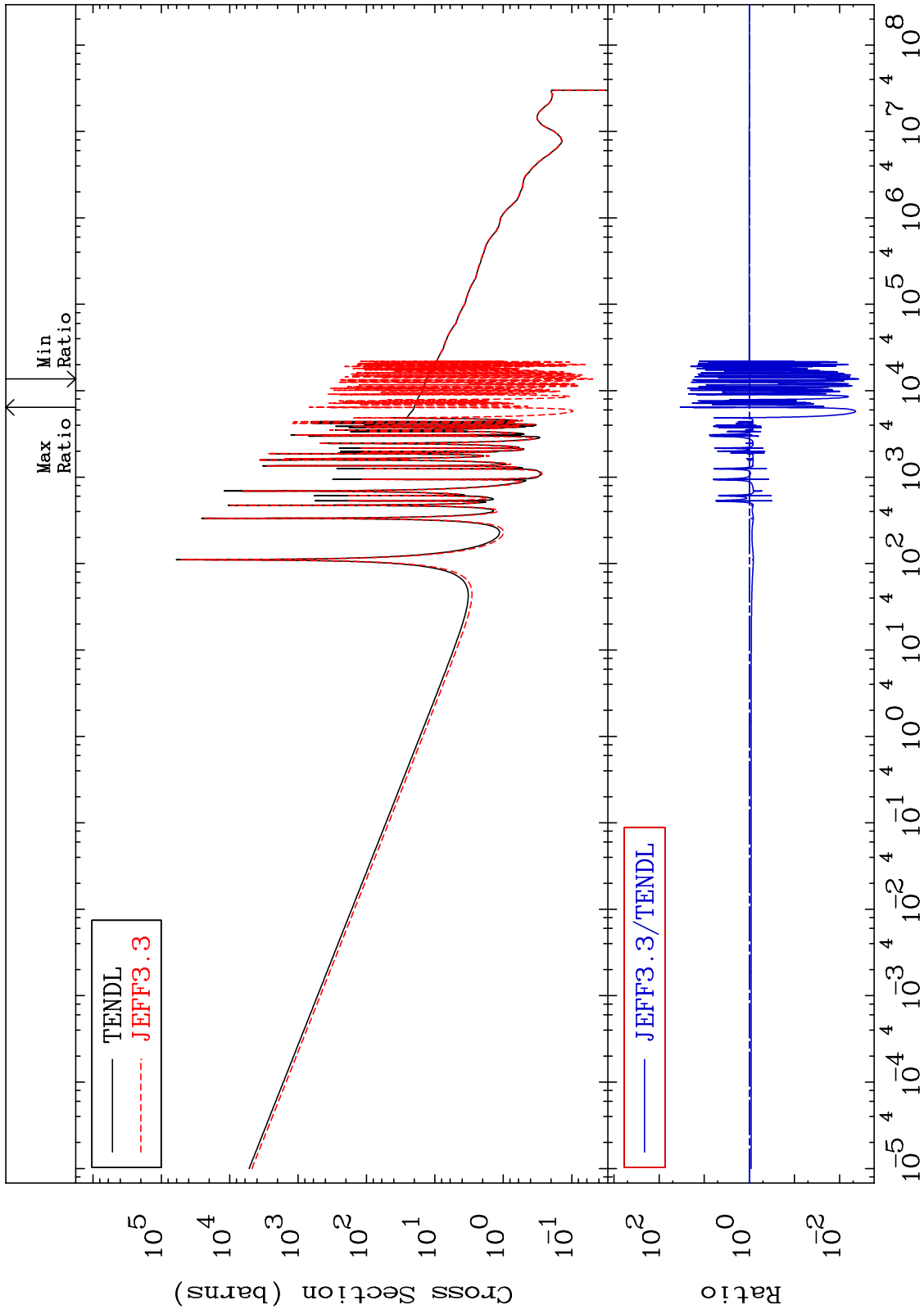
31-Ga-69
-4.797 To 29.66 %



MAT 3125

Kerma capture (mt102)
Cross Section

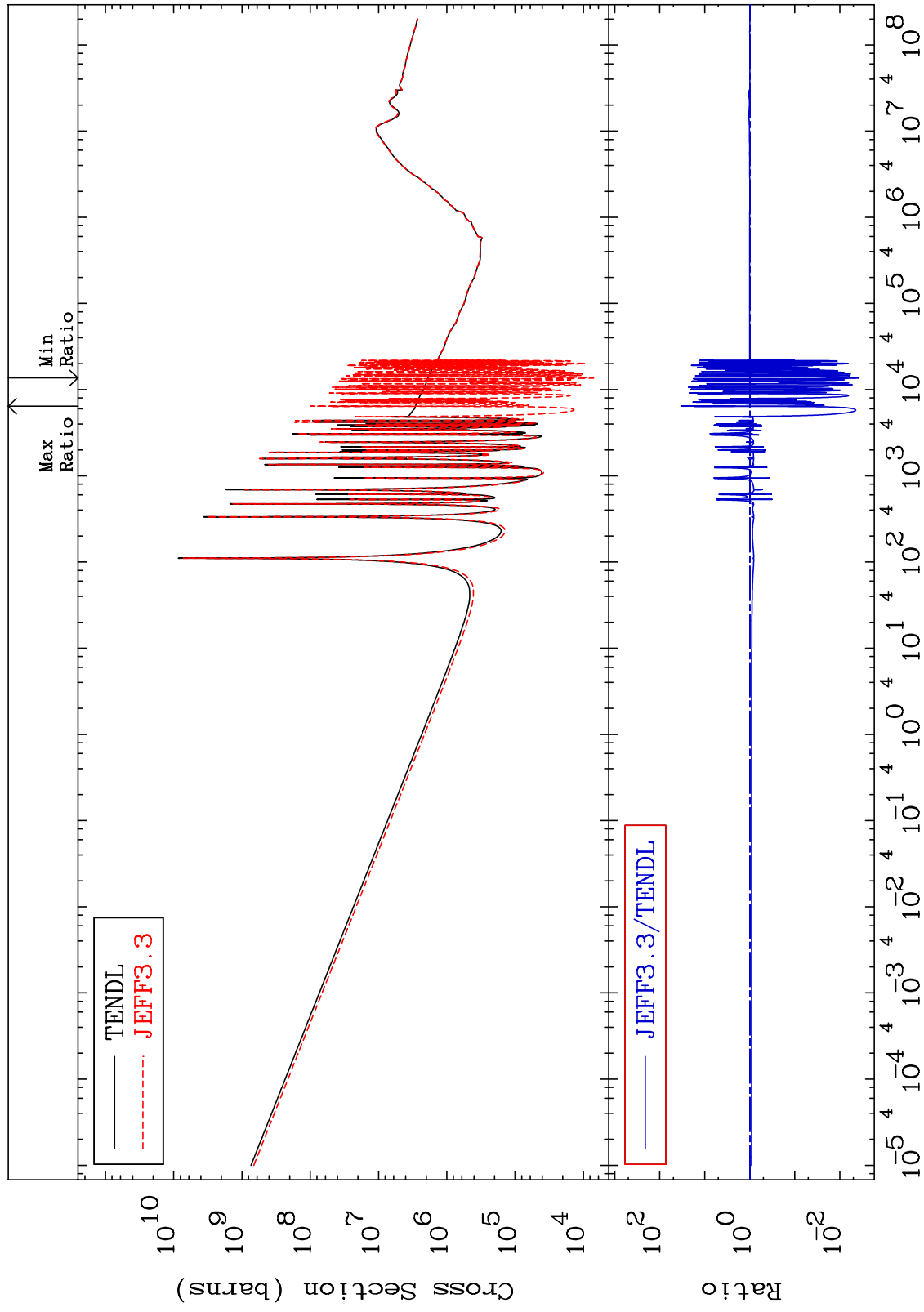
31-Ga-69
-99.63 To 3299. %



MAT 3125

Total photon (eV-barns)
Cross Section

31-Ga-69
-99.63 To 3299. %

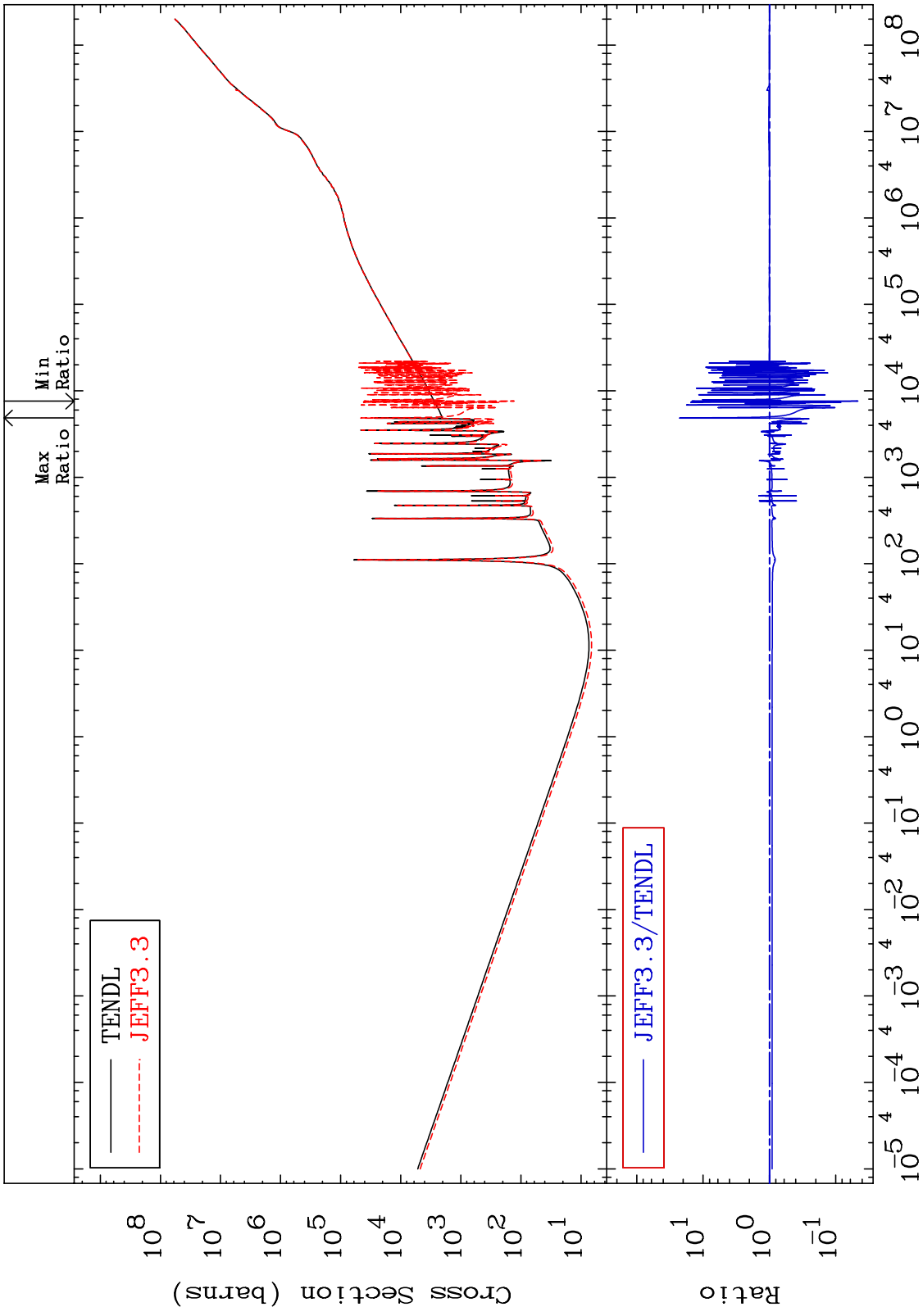


70

Incident Energy (eV)

31-Ga-69

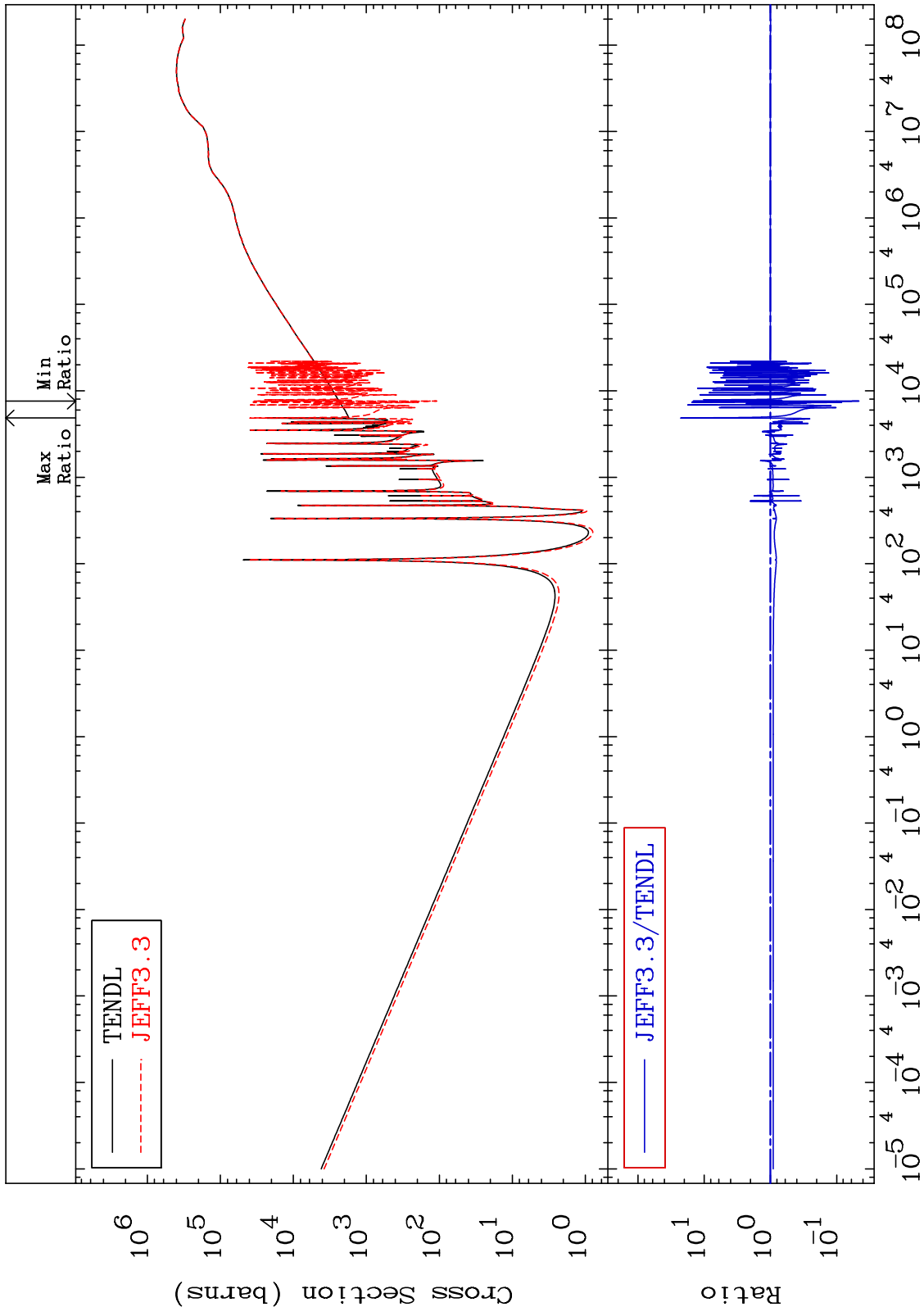
MAT 3125 Total kinematic kerma (high limit) 31-Ga-69
 Cross Section -95.36 To 2203. %



MAT 3125

Dpa total (eV-barns)
Cross Section

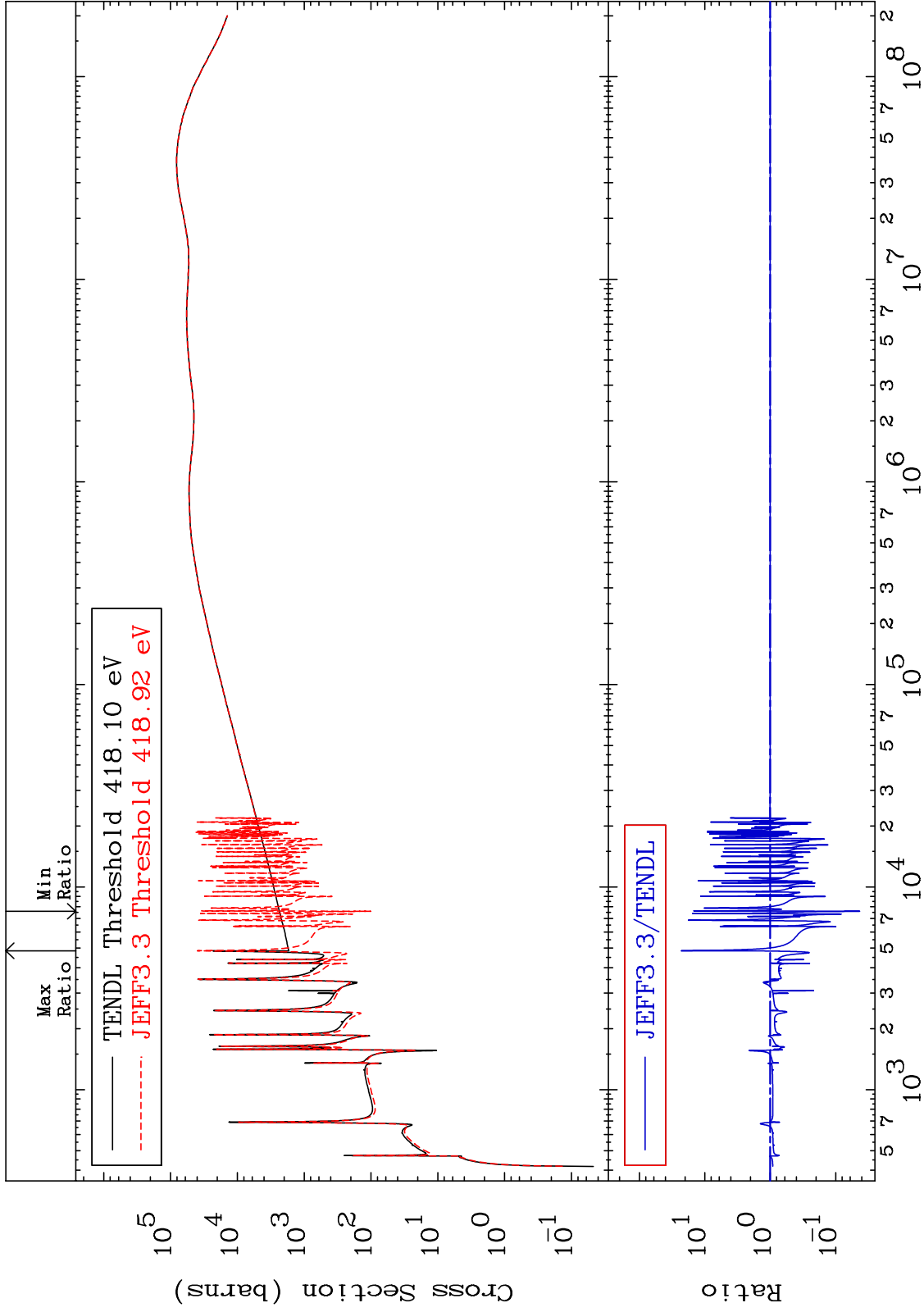
31-Ga-69
-95.38 To 2205. %



MAT 3125

Dpa elastic (mt2)
Cross Section

31-Ga-69
-95.69 To 2225. %



73

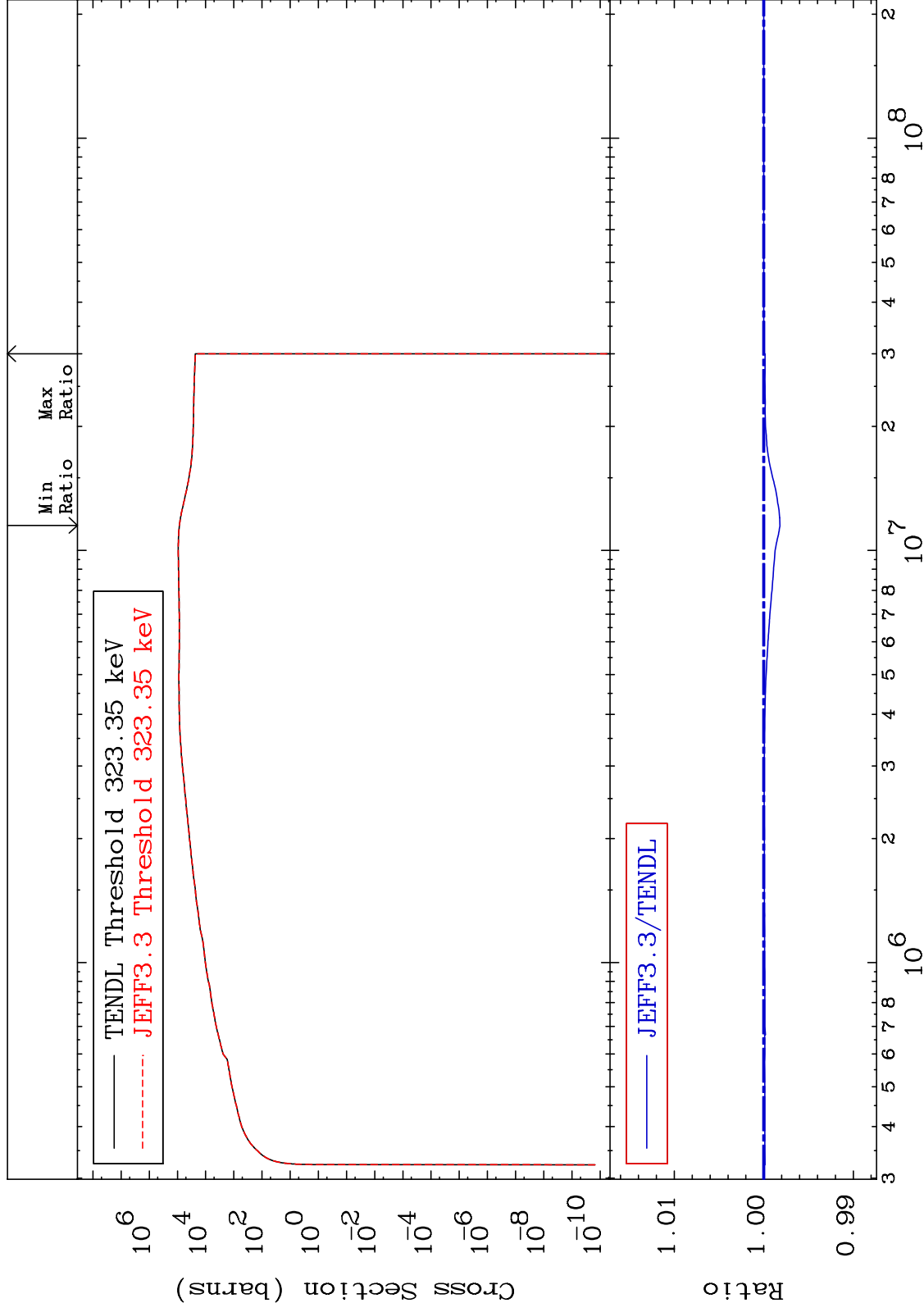
31-Ga-69

31-Ga-69

MAT 3125

Dpa inelastic (mt51-91)
Cross Section

31-Ga-69
-0.181 To 0.000 %



74

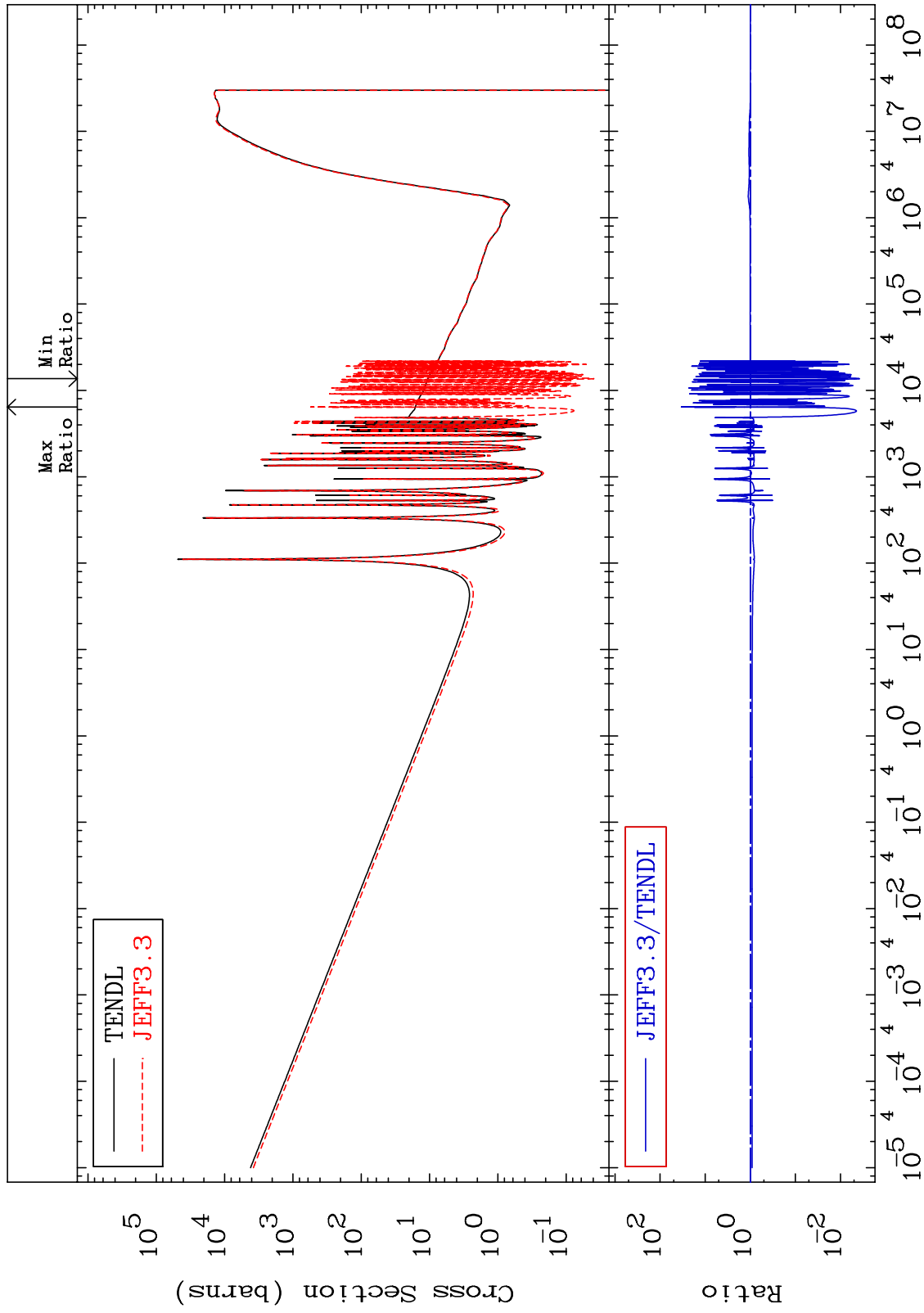
Incident Energy (eV)

31-Ga-69

MAT 3125

Dpa disappearance (mt102 -120)
Cross Section

31-Ga-69
-99.63 To 3299. %

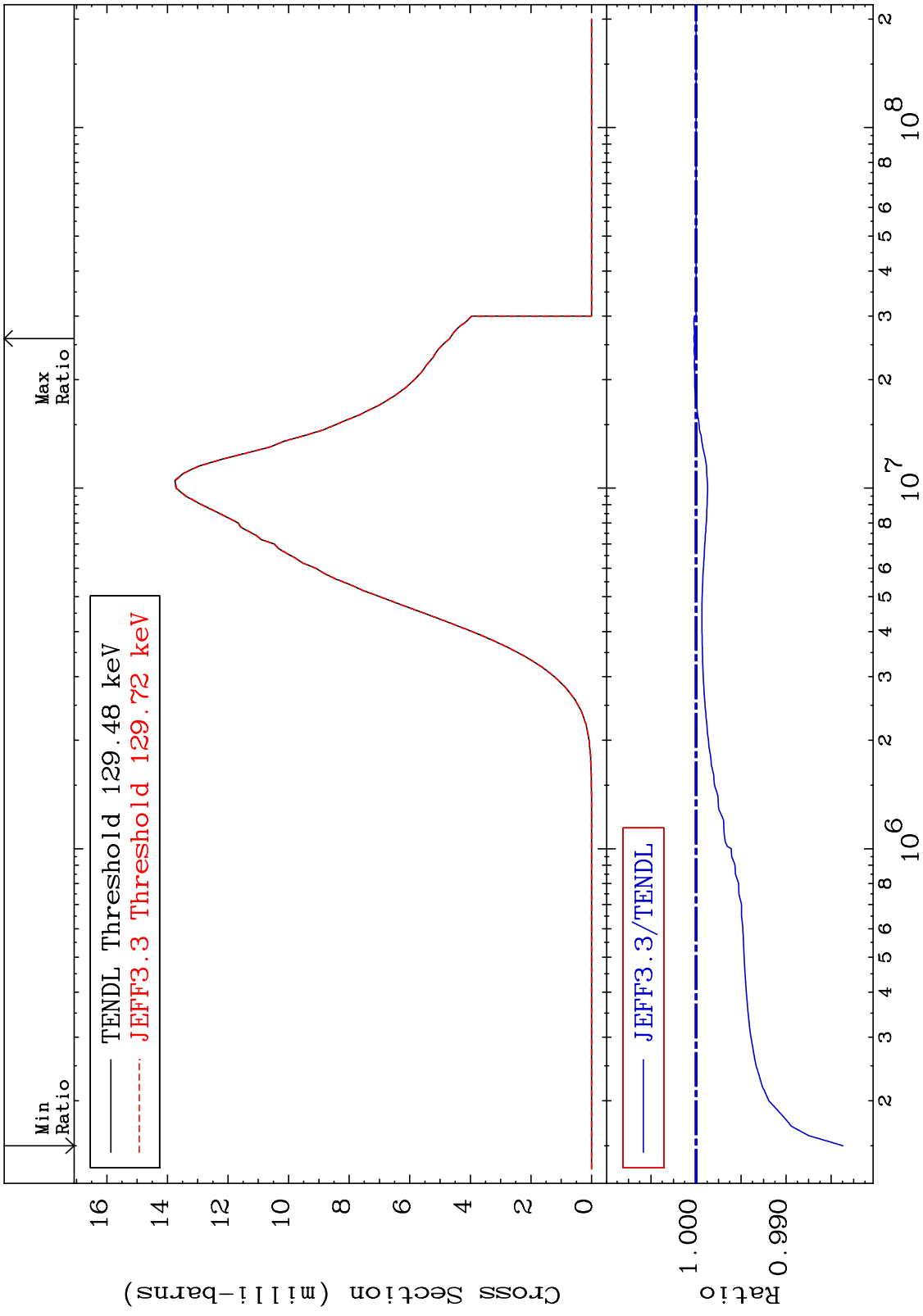


75

Incident Energy (eV)

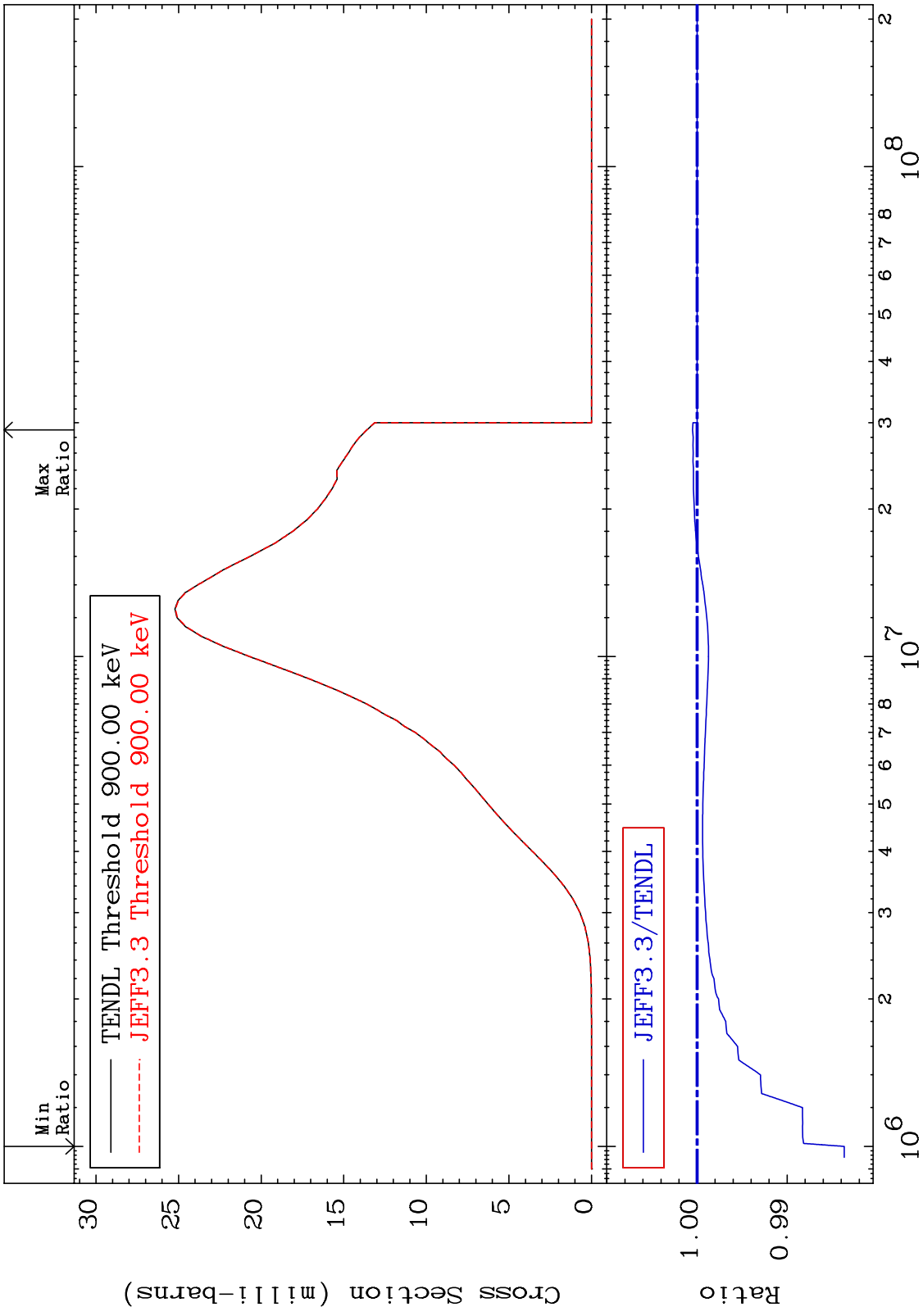
31-Ga-69

MAT 3125 (n,p):30-Zn-69g 31-Ga-69
 Radionuclide Production Cross Section -1.631 To 0.023 %

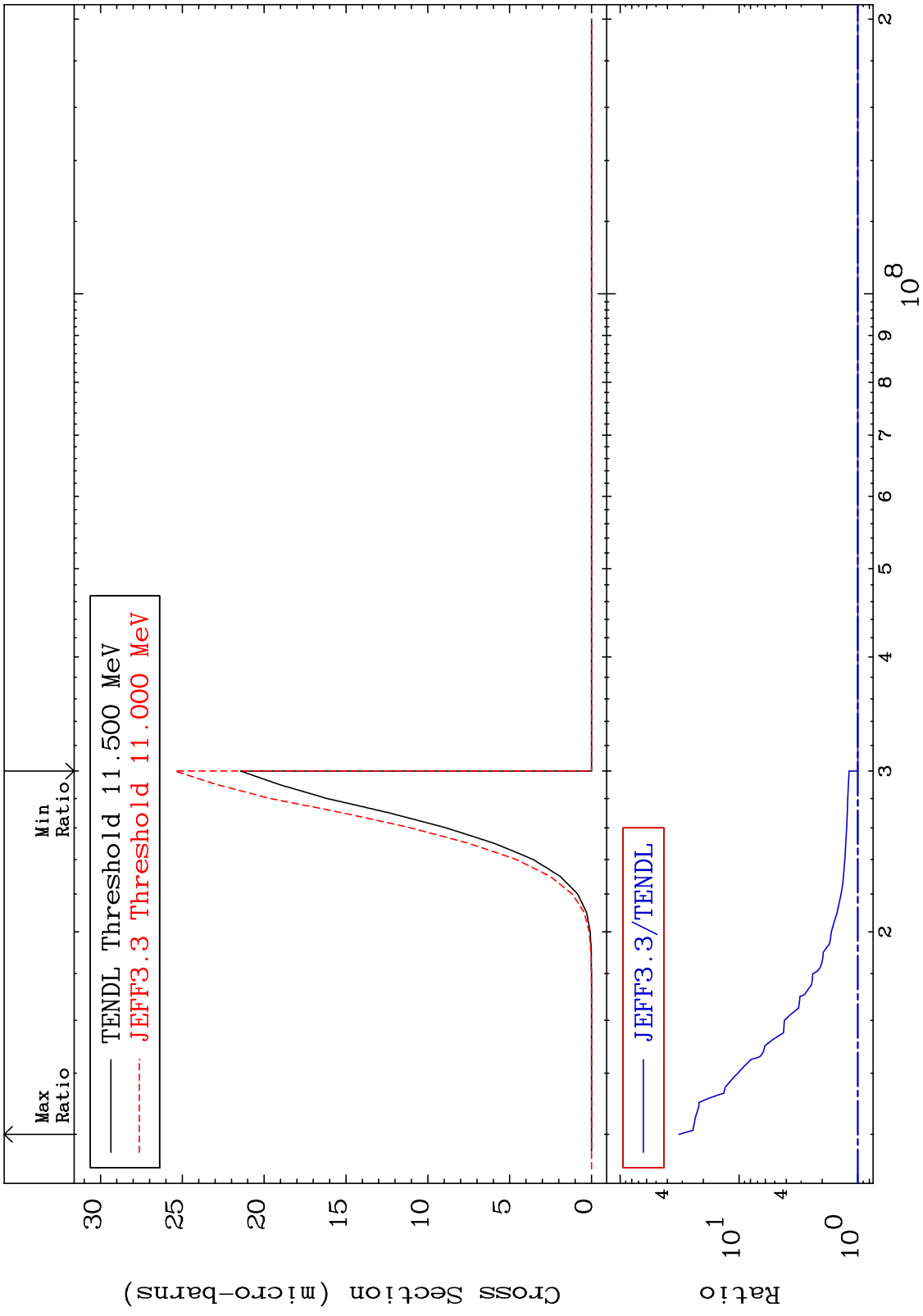


76 Incident Energy (eV) 31-Ga-69

MAT 3125 (n,p):30-Zn-69m1 31-Ga-69
 Radionuclide Production Cross Section -1.634 To 0.049 %



MAT 3125 (n,2α):27-Co-62g 31-Ga-69
 Radionuclide Production Cross Section 0.000 To 3098. %

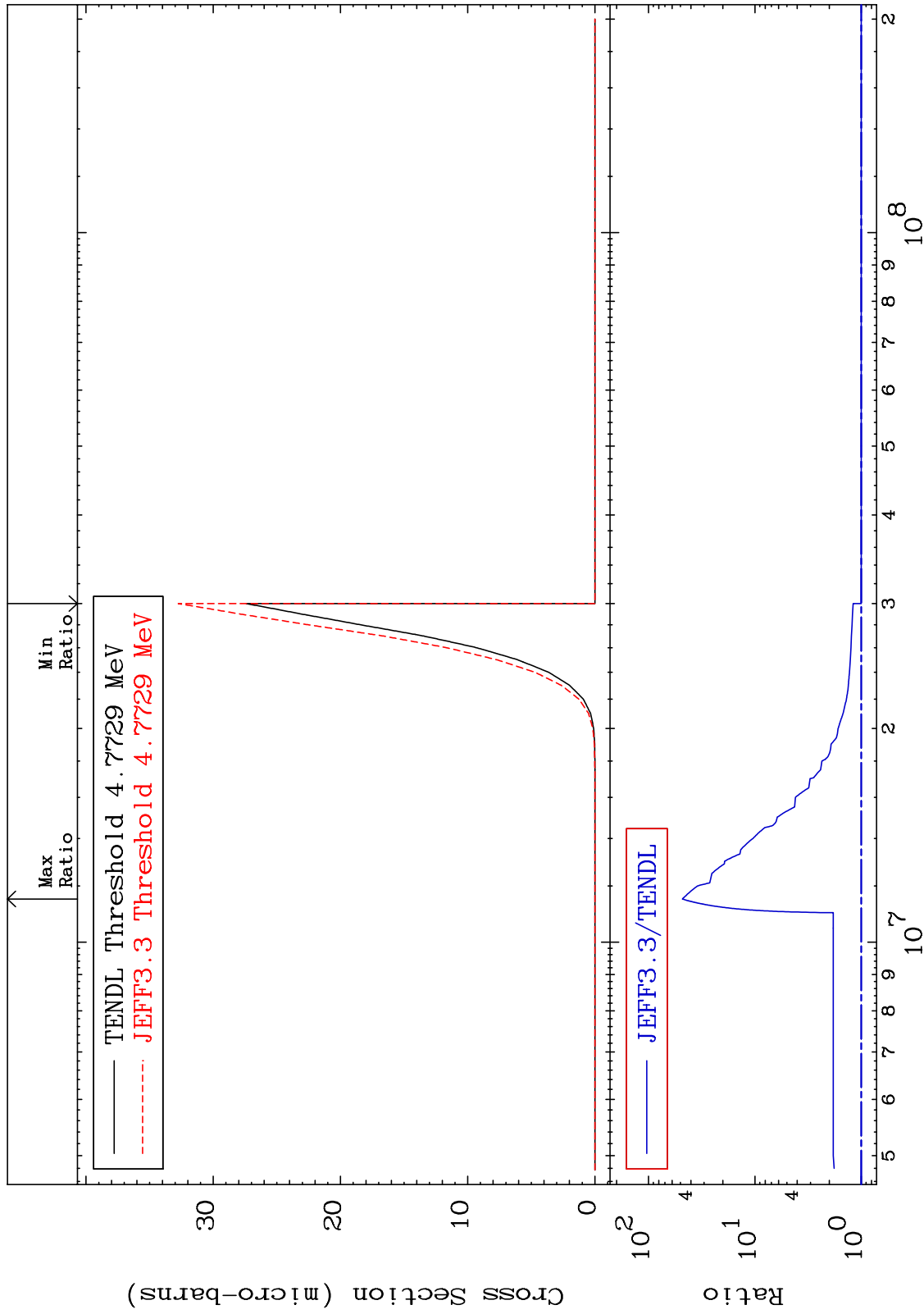


MAT 3125

(n,2α):27-Co-62m1

31-Ga-69

Radionuclide Production Cross Section 0.000 To 4696. %

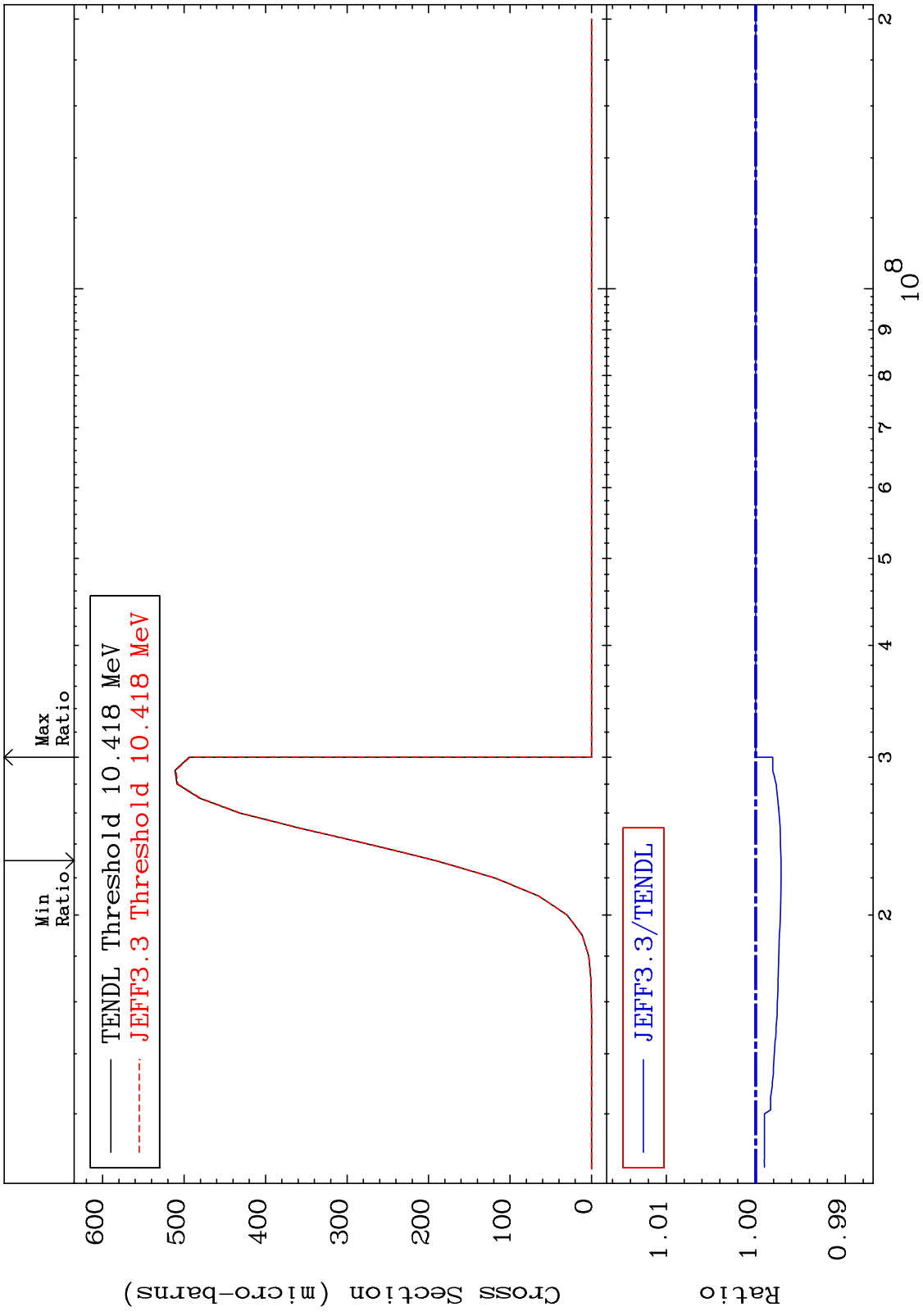


79

Incident Energy (eV)

31-Ga-69

MAT 3125 (n,2p):29-Cu-68g 31-Ga-69
 Radionuclide Production Cross Section -0.284 To 0.000 %

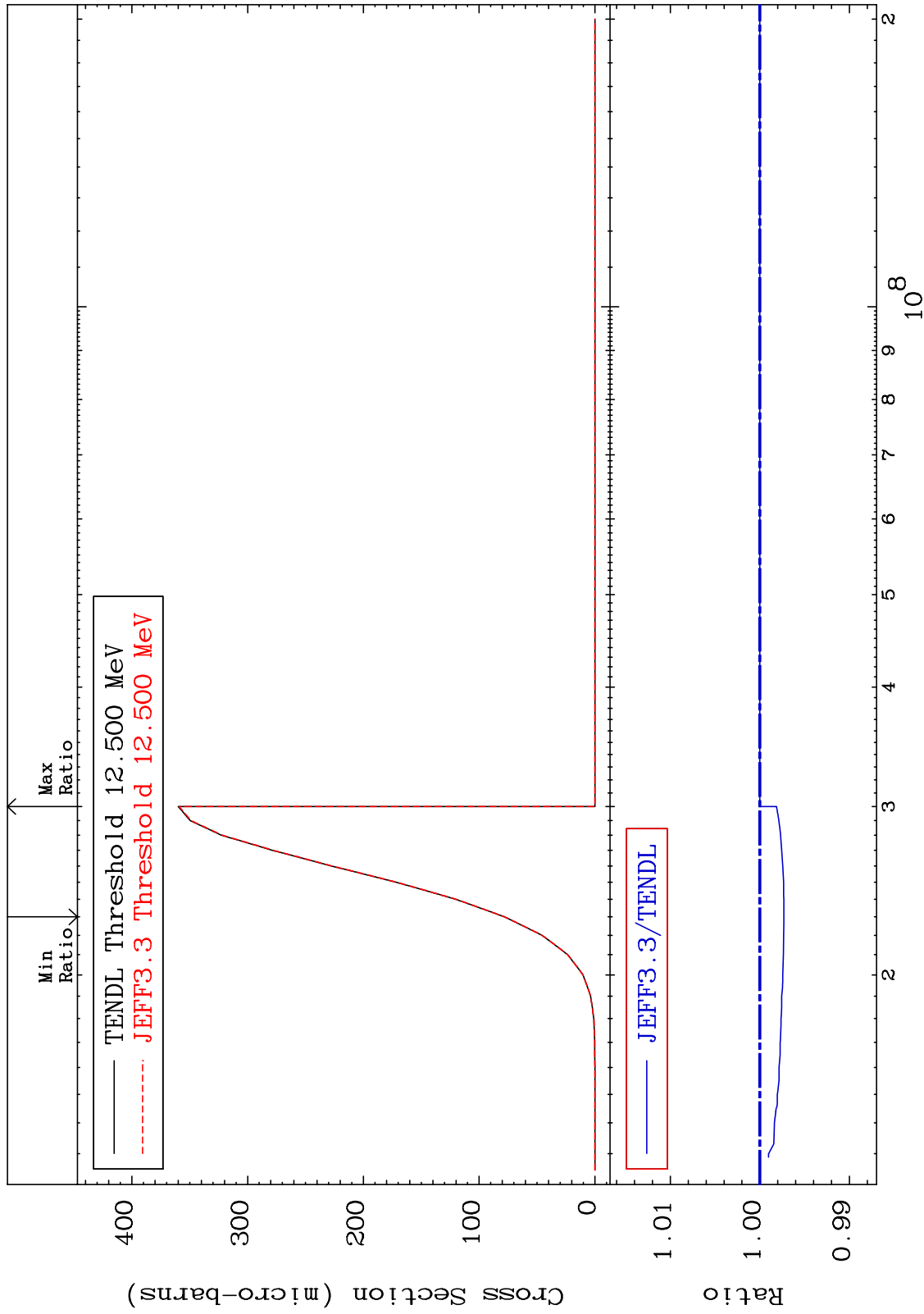


MAT 3125

(n,2p):29-Cu-68m3

31-Ga-69

Radionuclide Production Cross Section -0.268 To 0.000 %



81

Incident Energy (eV)

31-Ga-69