

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

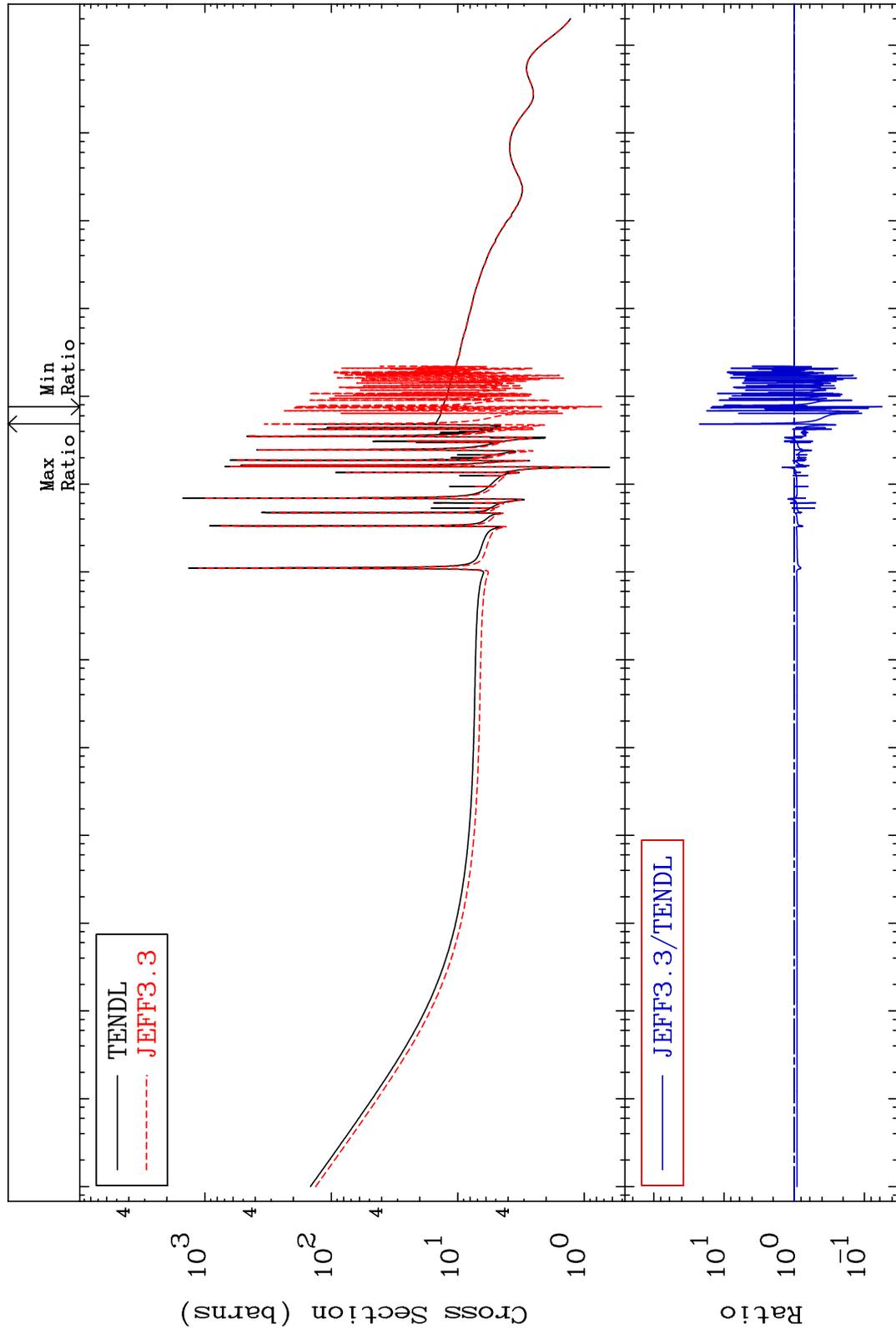
MAT 3125

Total

31-Ga-69

Cross Section

-94.42 To 2170. %



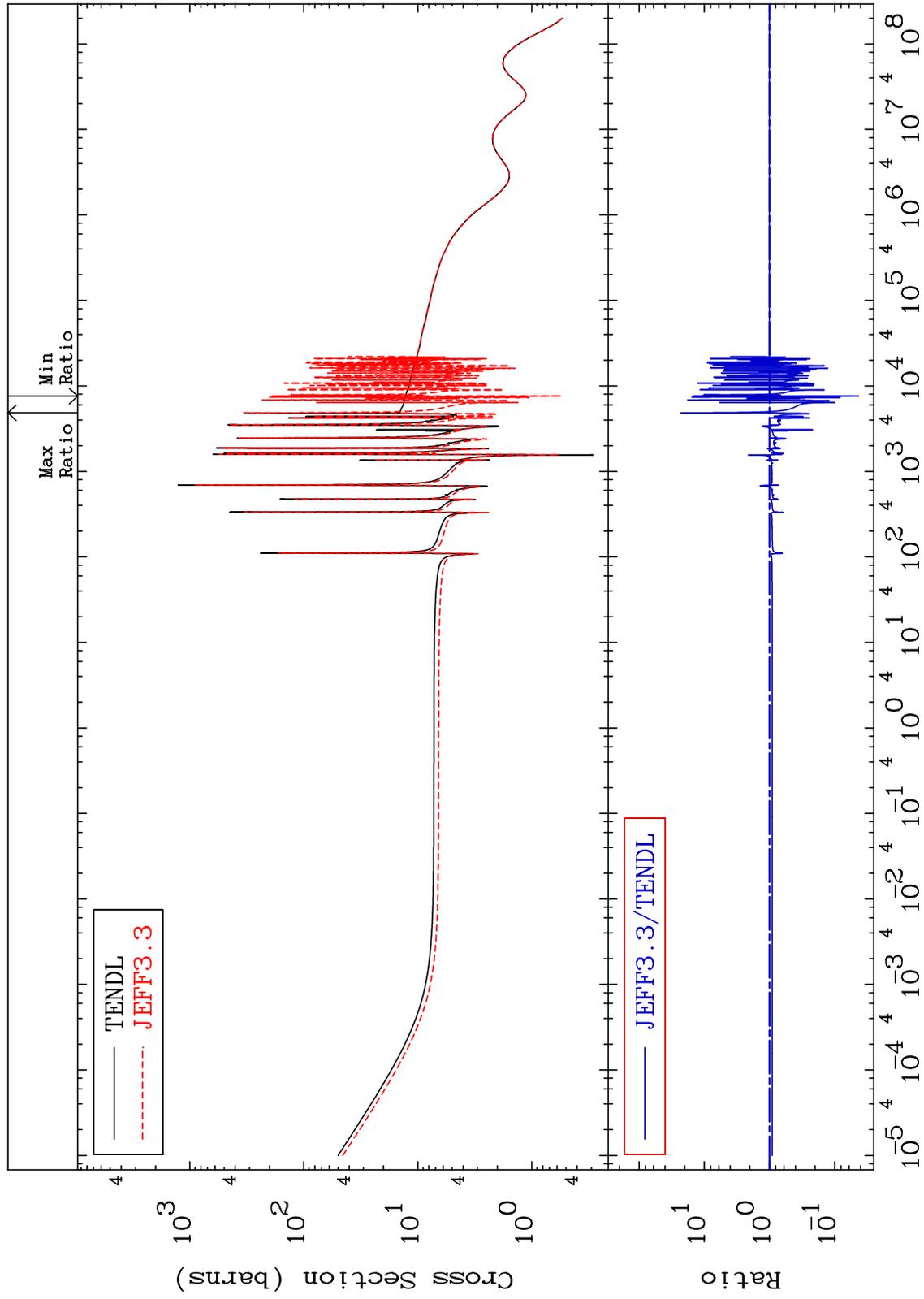
Incident Energy (eV)

31-Ga-69

MAT 3125

Elastic
Cross Section

31-Ga-69
-95.69 To 2226. %



MAT 3125

Inelastic

31-Ga-69

-0.071 To 2.598 %

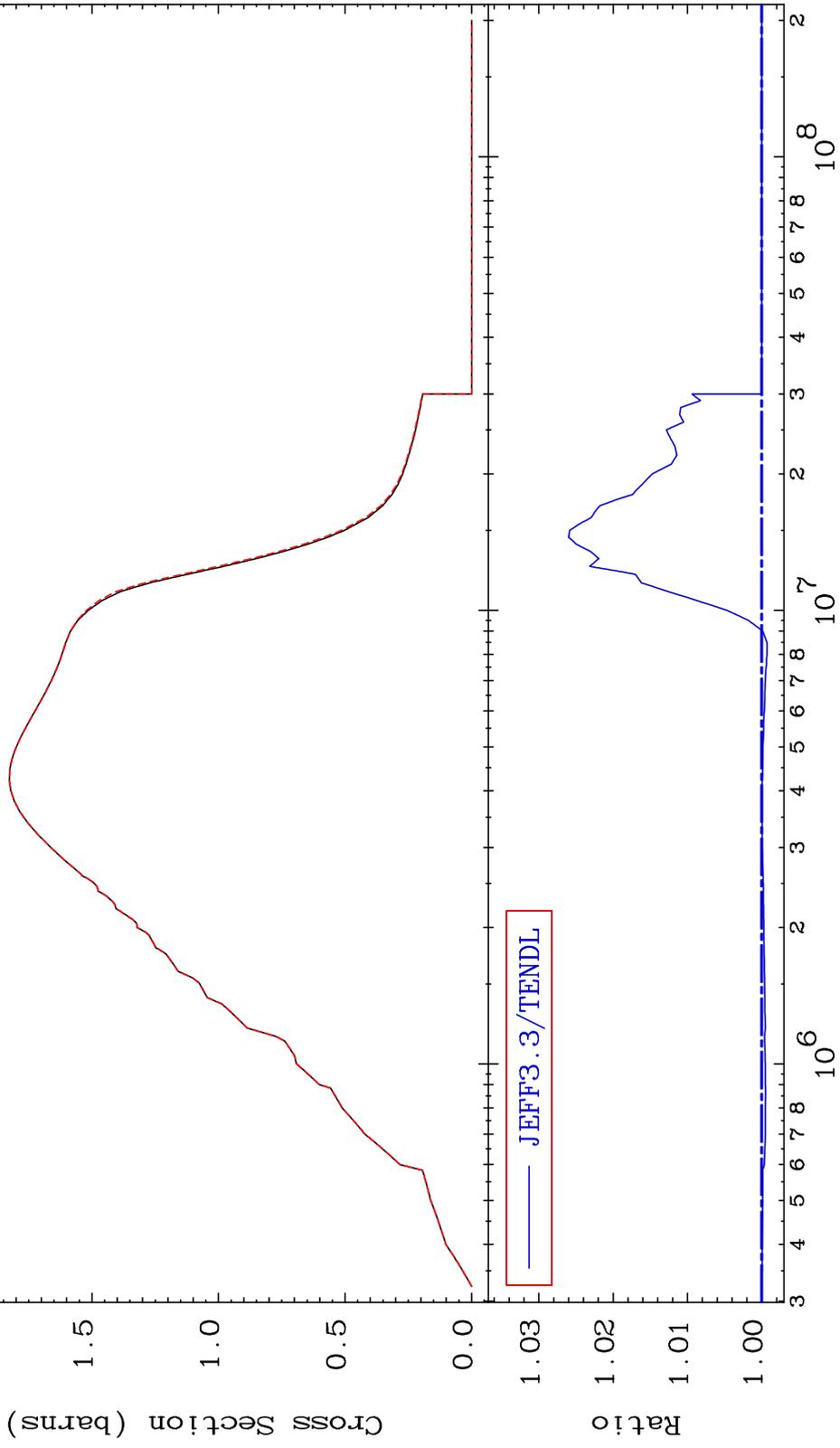
Cross Section

Max Ratio

Min Ratio

— TENDL Threshold 323.35 keV
- - - JEFF3.3 Threshold 323.35 keV

— JEFF3.3/TENDL



Incident Energy (eV)

31-Ga-69

3

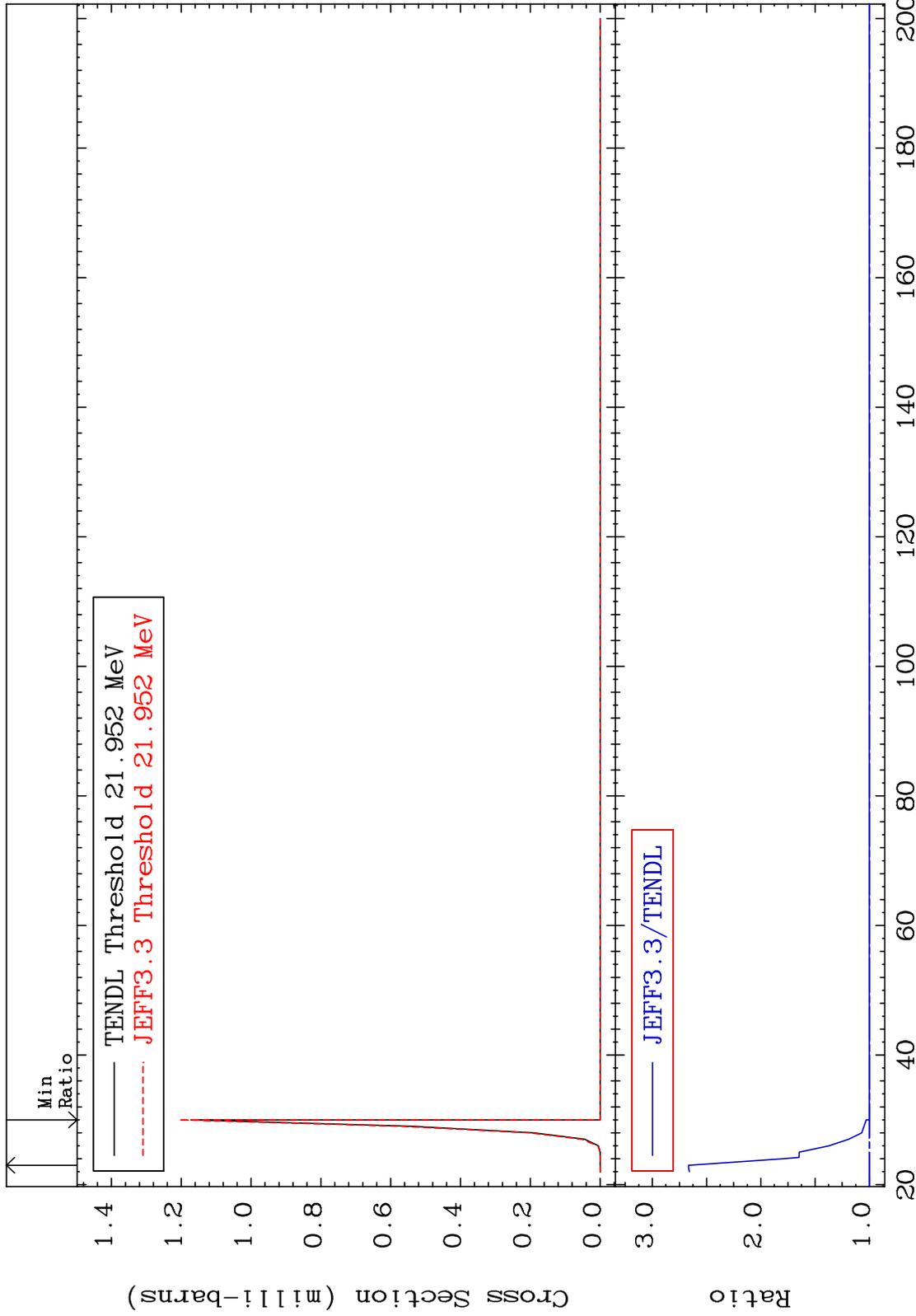
MAT 3125

(n,2n) d

31-Ga-69

Cross Section

0.000 To 166.5 %



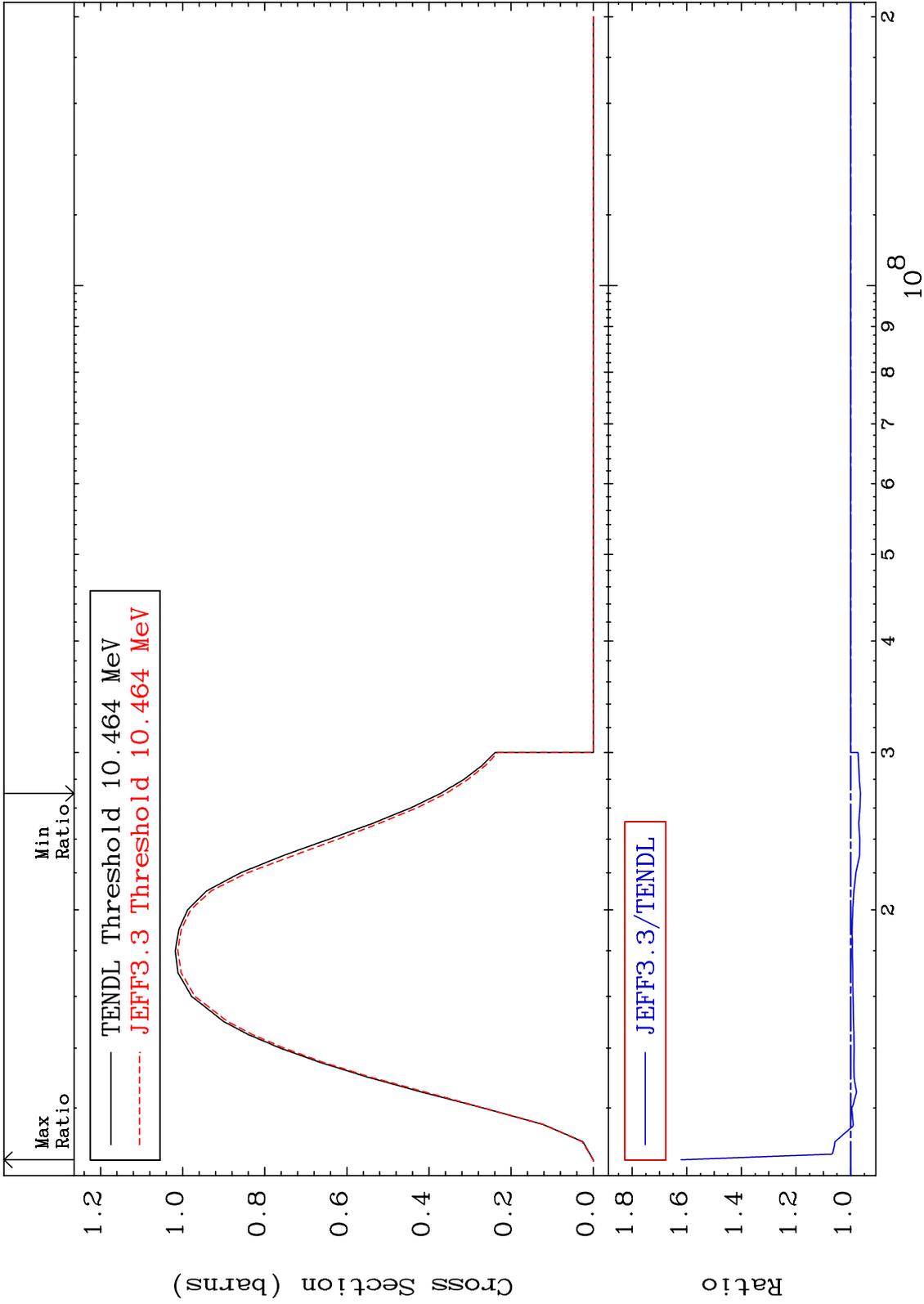
MAT 3125

(n,2n)

31-Ga-69

Cross Section

-3.609 To 62.09 %



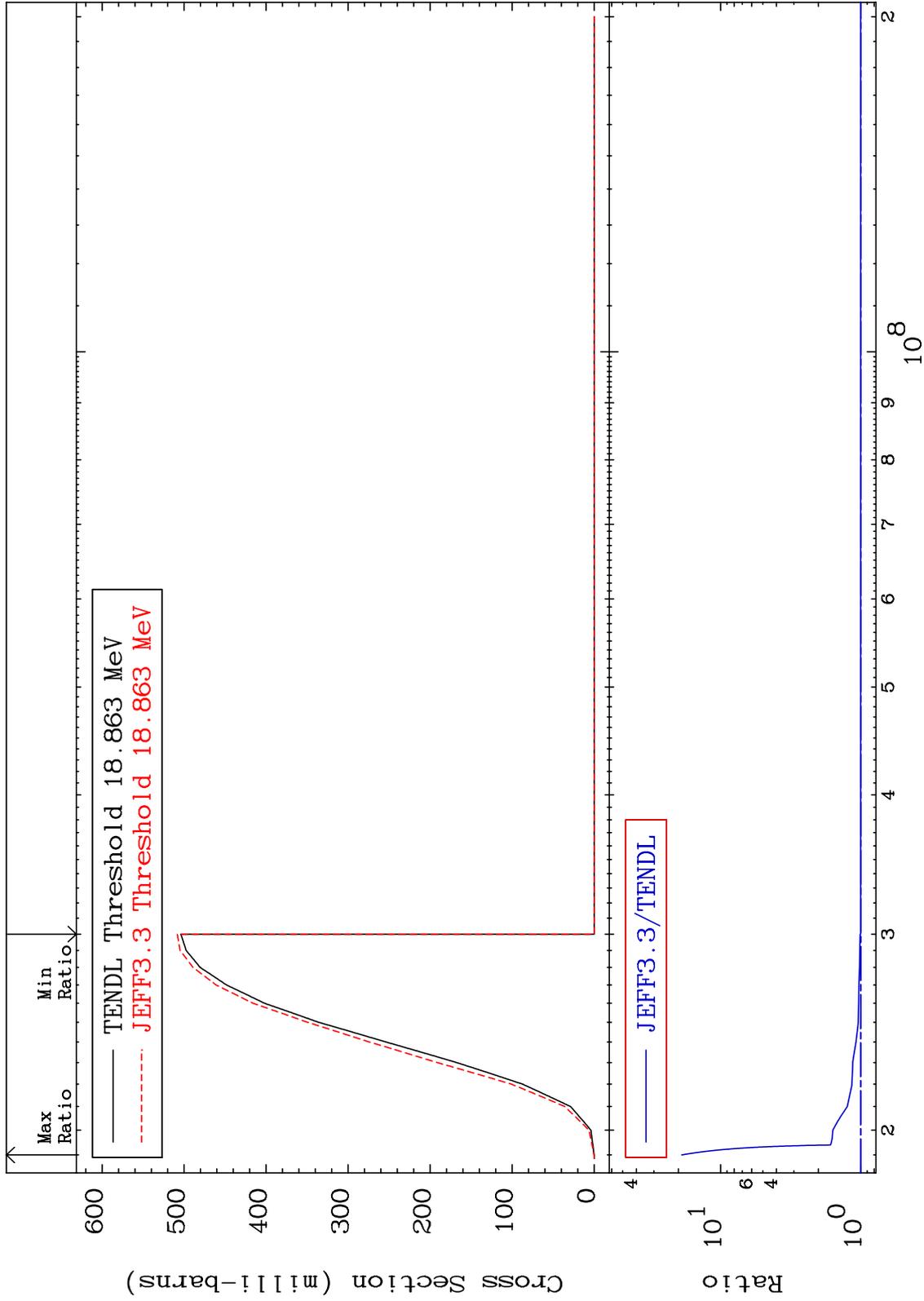
MAT 3125

(n,3n)

31-Ga-69

Cross Section

0.000 To 1795. %

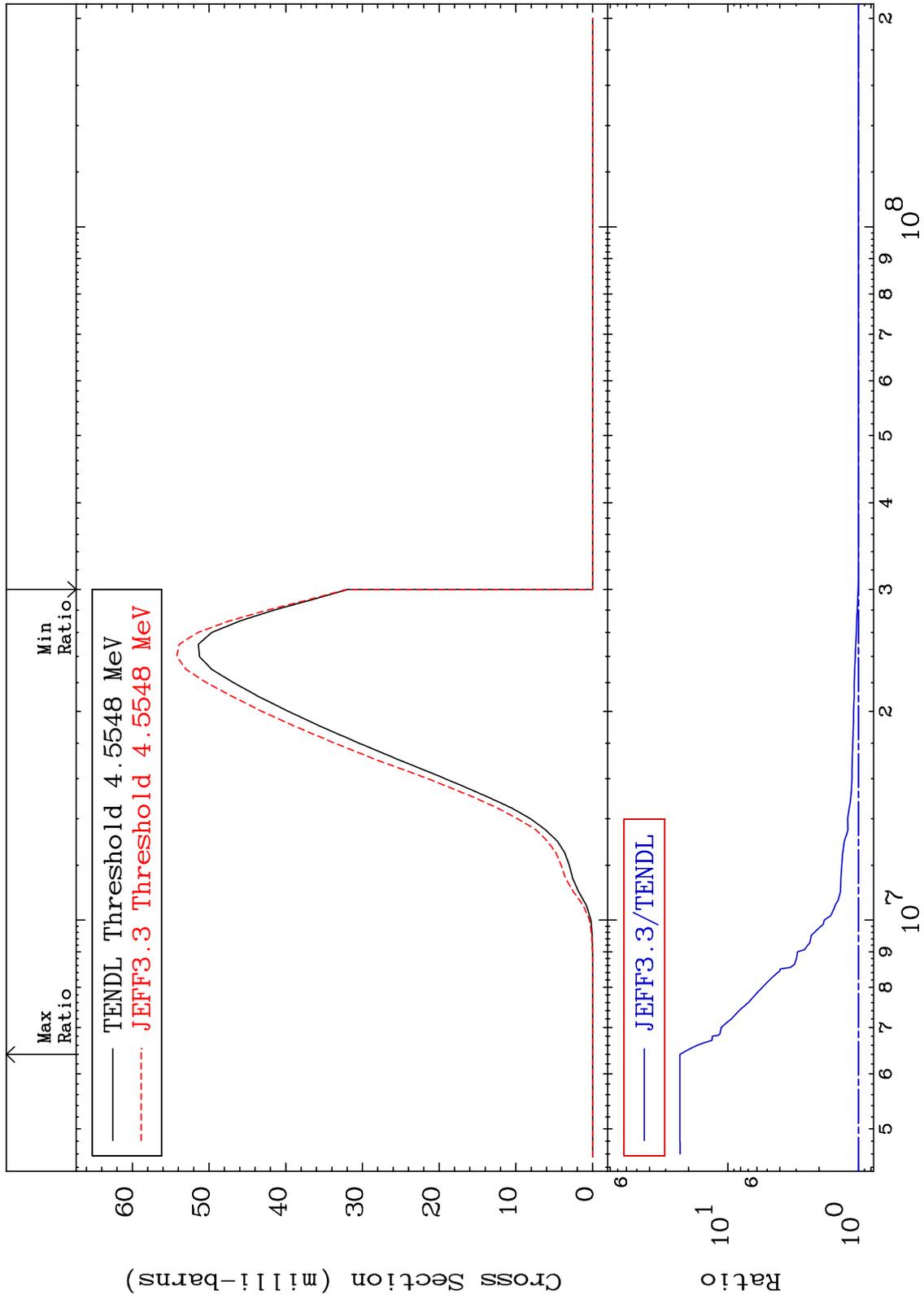


6

Incident Energy (eV)

31-Ga-69

MAT 3125 $(n, n') \alpha$ Cross Section 31-Ga-69 To 2235. %



7 Incident Energy (eV) 31-Ga-69

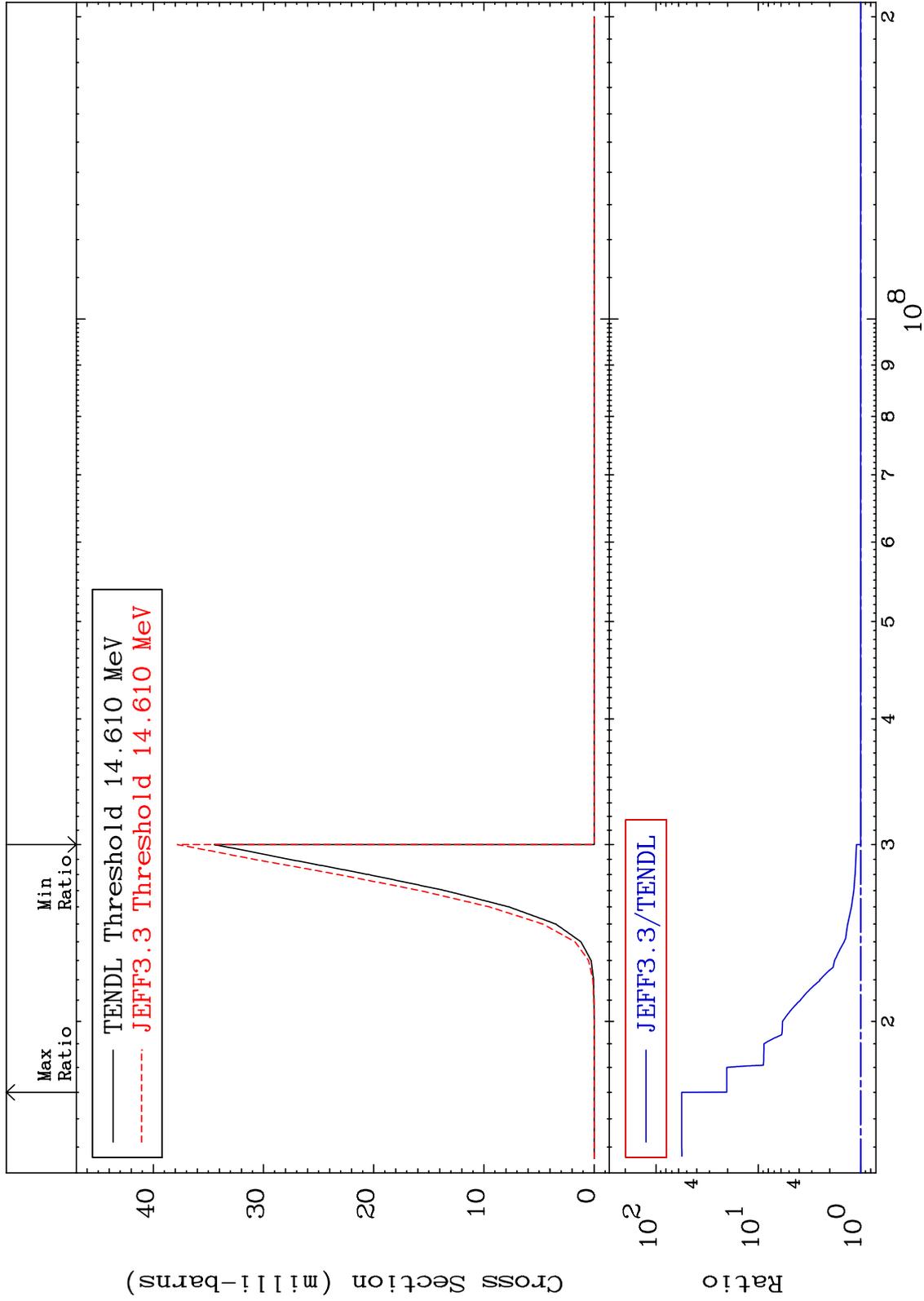
MAT 3125

(n,2n) α

31-Ga-69

Cross Section

0.000 To 5503. %



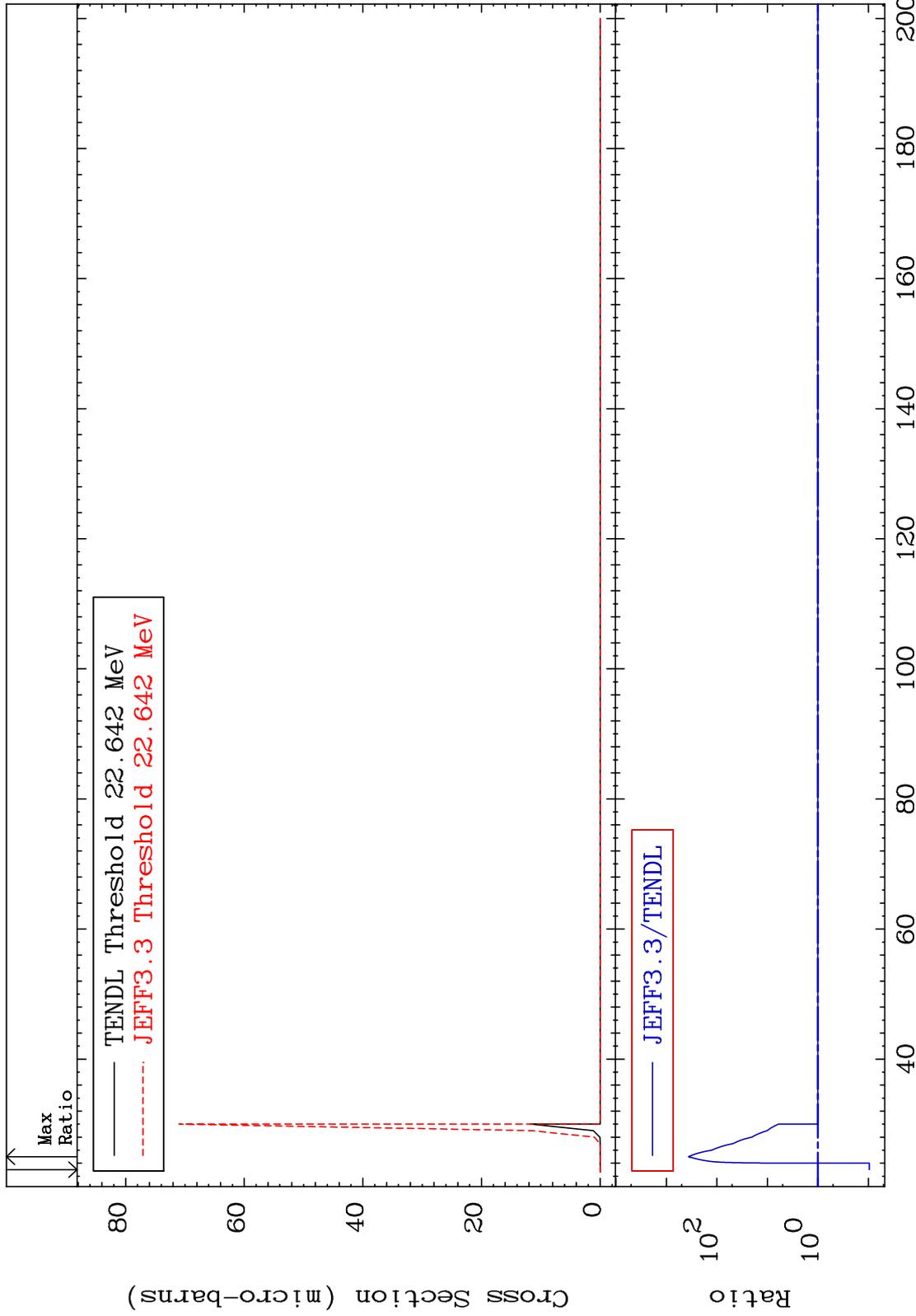
MAT 3125

(n,3n) α

31-Ga-69

Cross Section

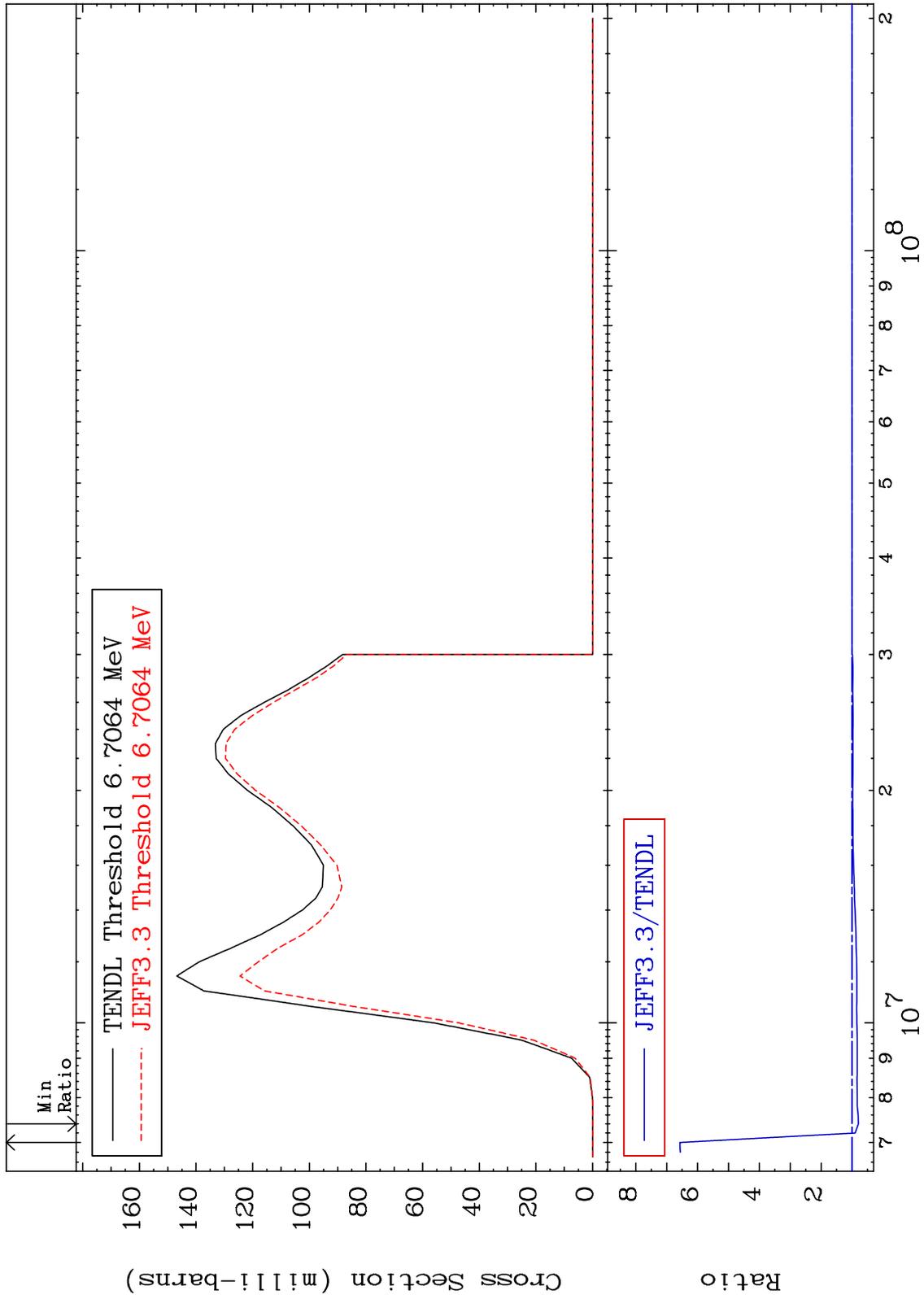
-90.44 To 9999. %



MAT 3125

(n,n') p
Cross Section

31-Ga-69
-20.56 To 557.2 %

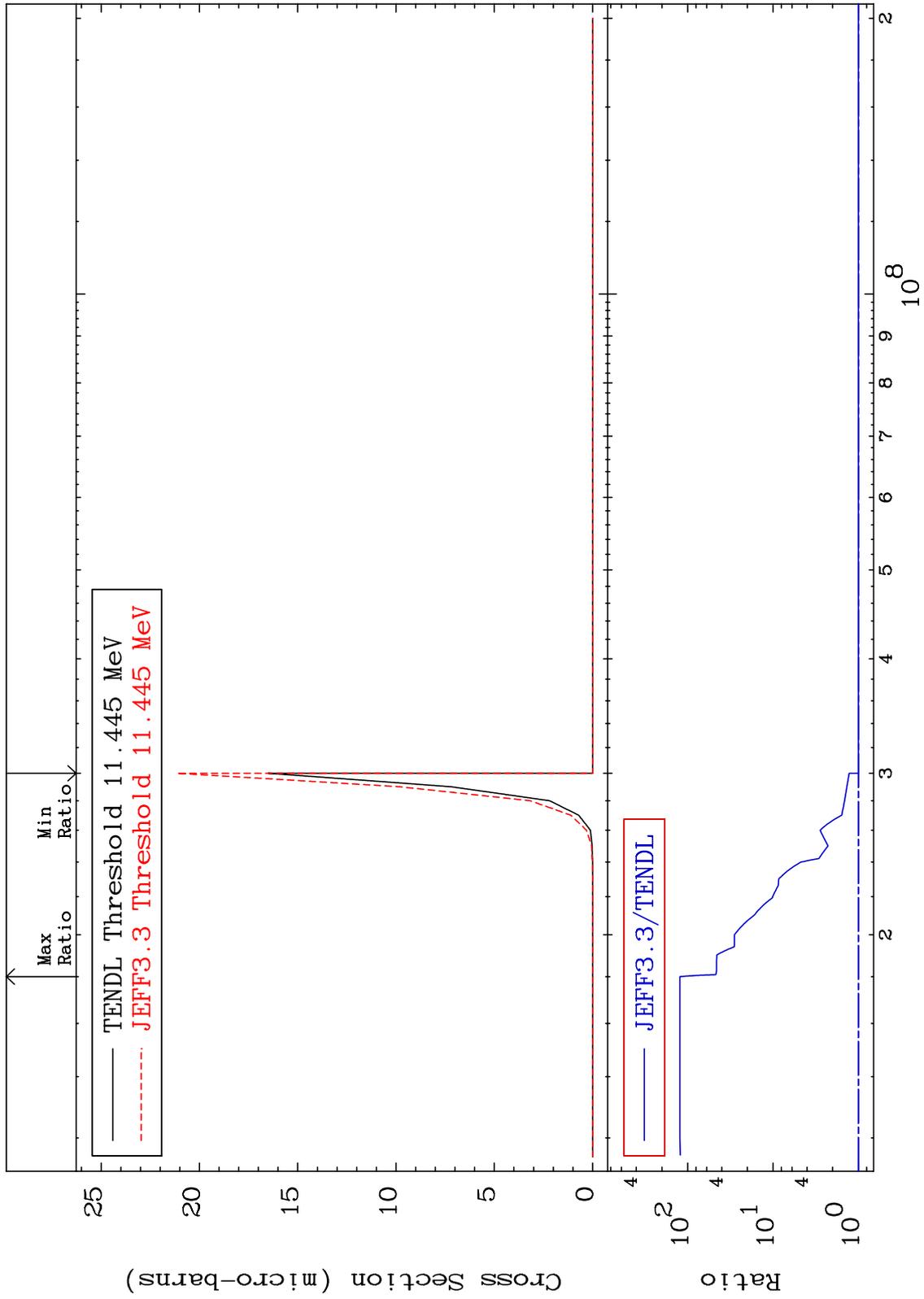


10

Incident Energy (eV)

31-Ga-69

MAT 3125 $(n, n') 2\alpha$ Cross Section 31-Ga-69 To 9999. %



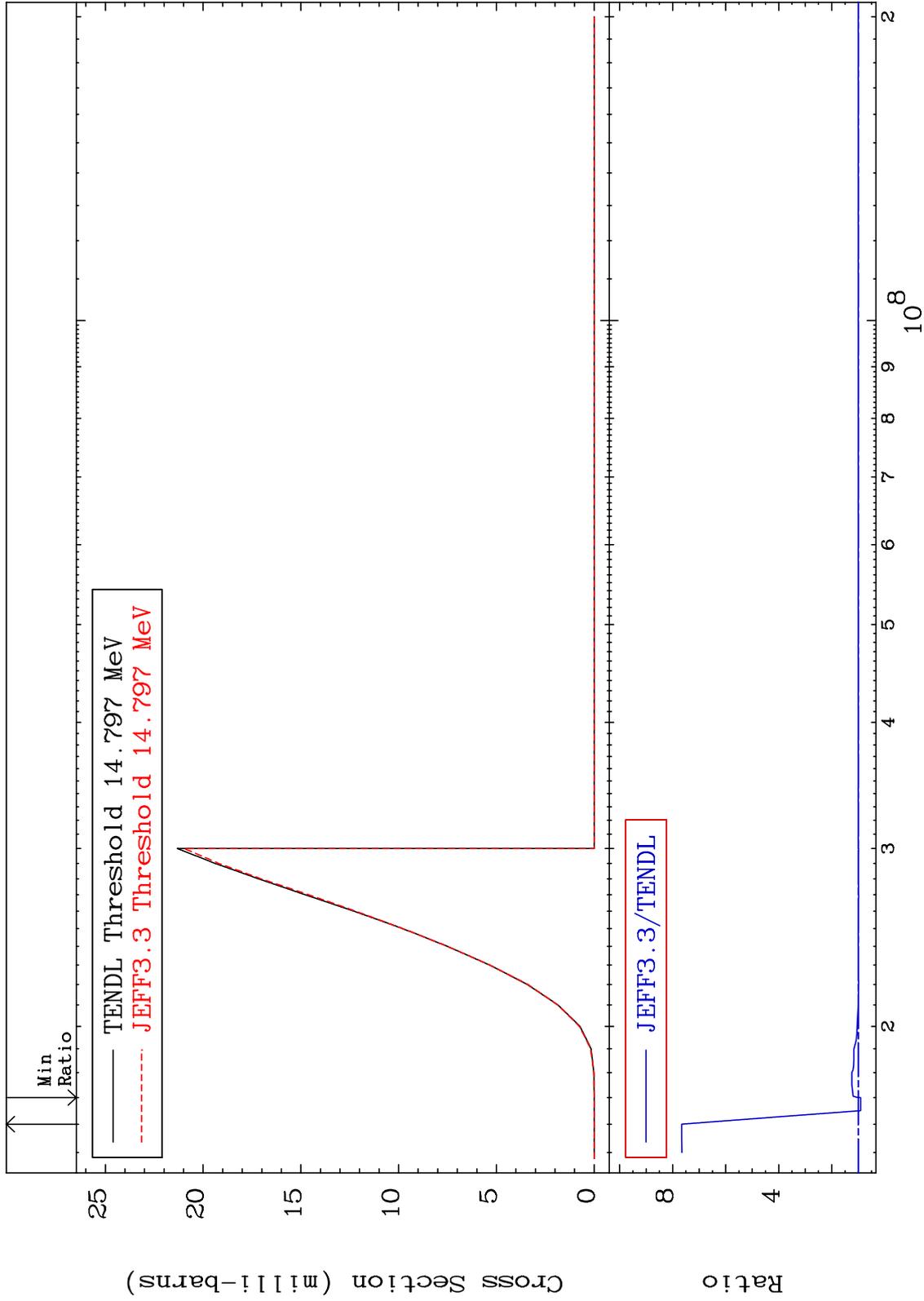
MAT 3125

(n,n') d

31-Ga-69

Cross Section

-9.135 To 665.7 %



12

Incident Energy (eV)

31-Ga-69

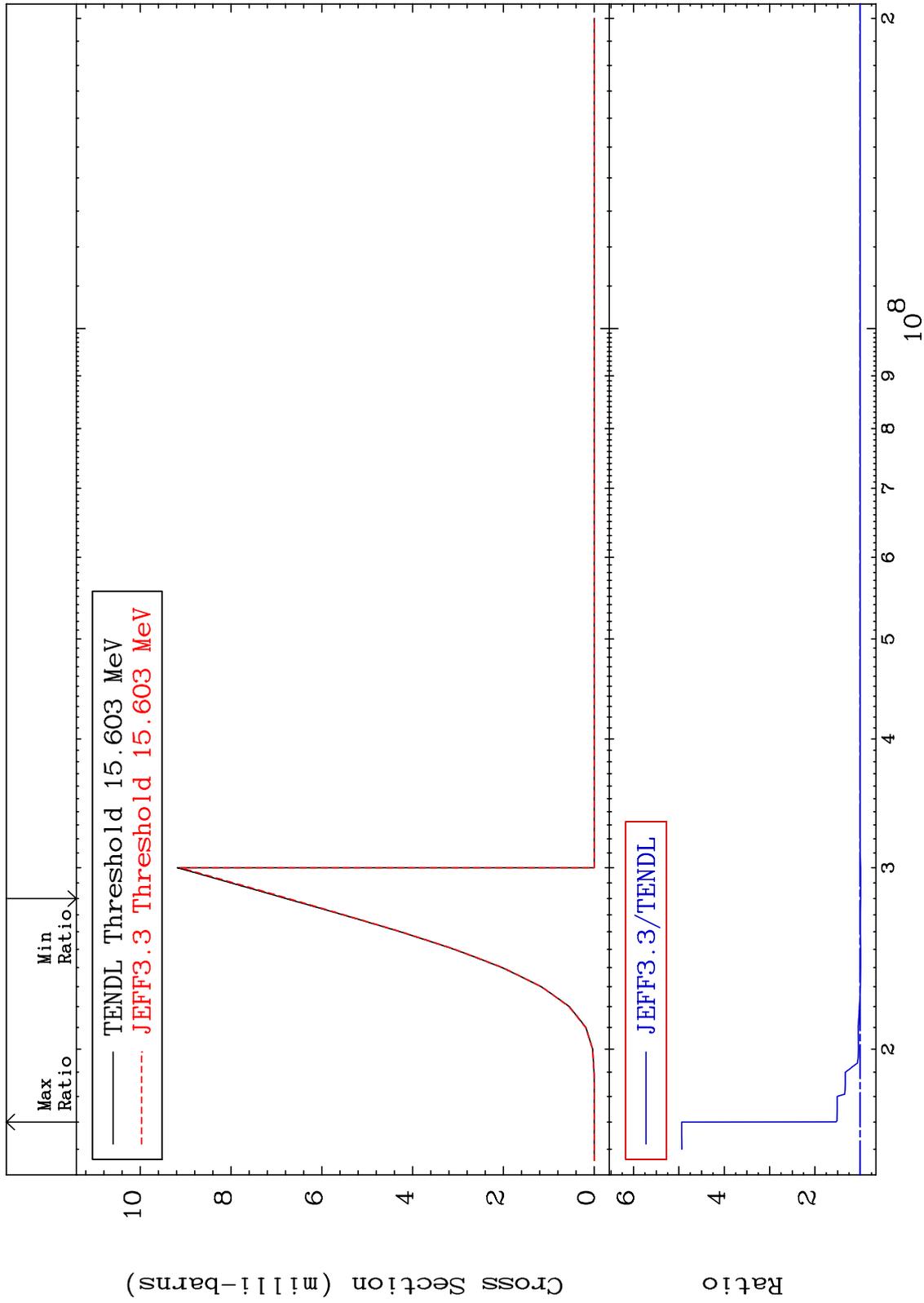
MAT 3125

(n, n') t

31-Ga-69

Cross Section

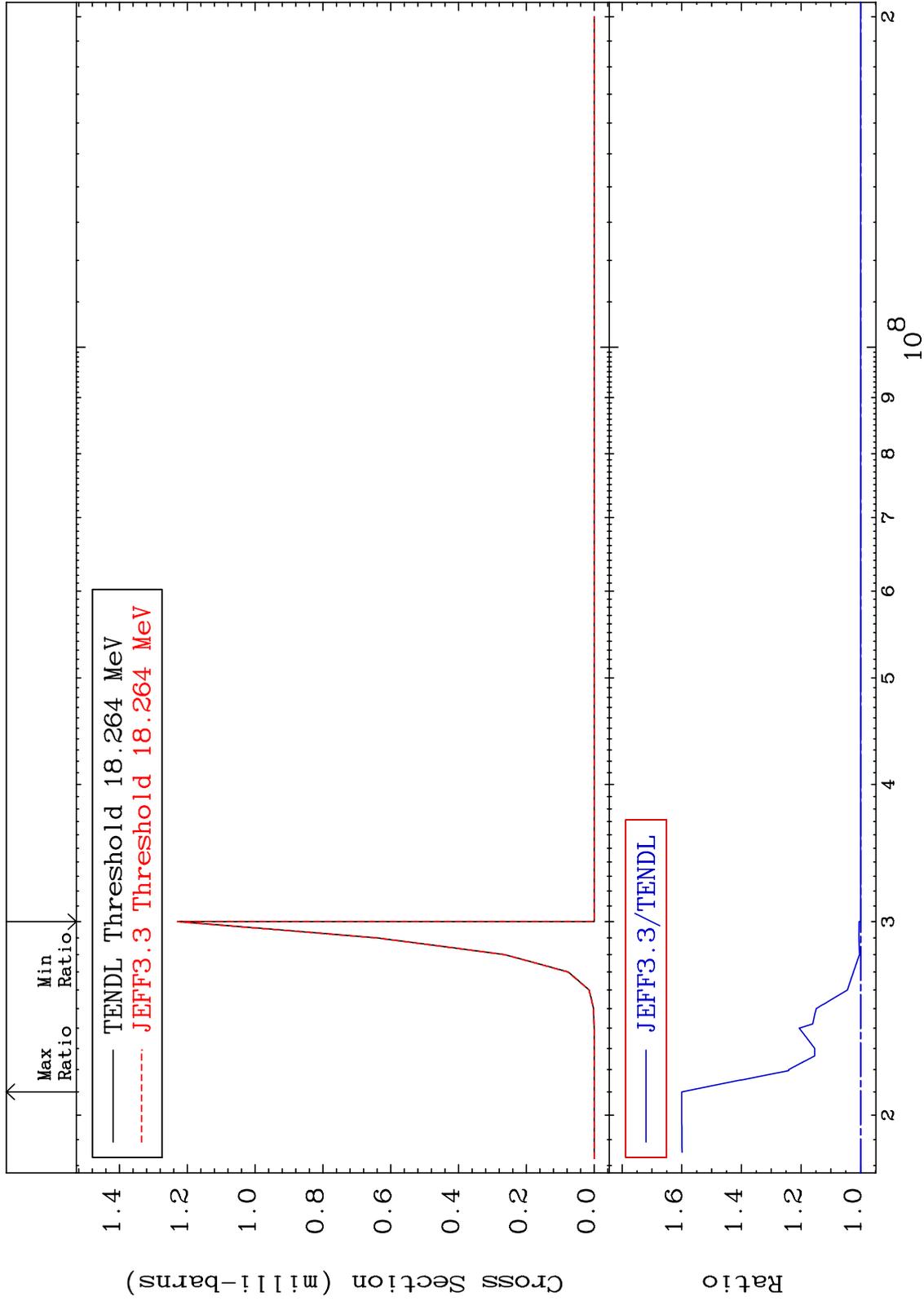
-0.858 To 393.8 %



MAT 3125

(n, n') He-3
Cross Section

31-Ga-69
0.000 To 60.00 %



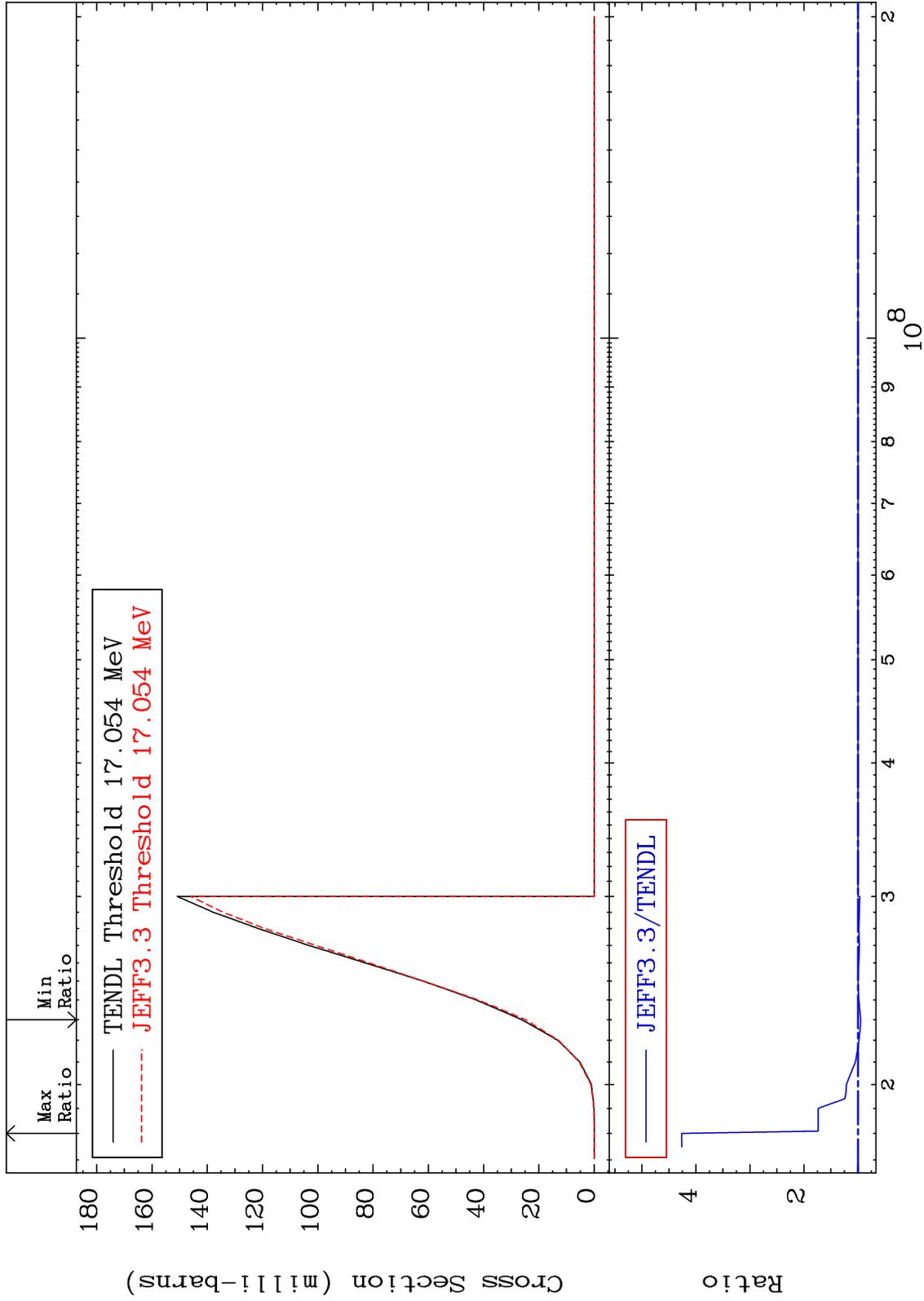
MAT 3125

(n,2n) p

31-Ga-69

Cross Section

-5.078 To 326.2 %



15

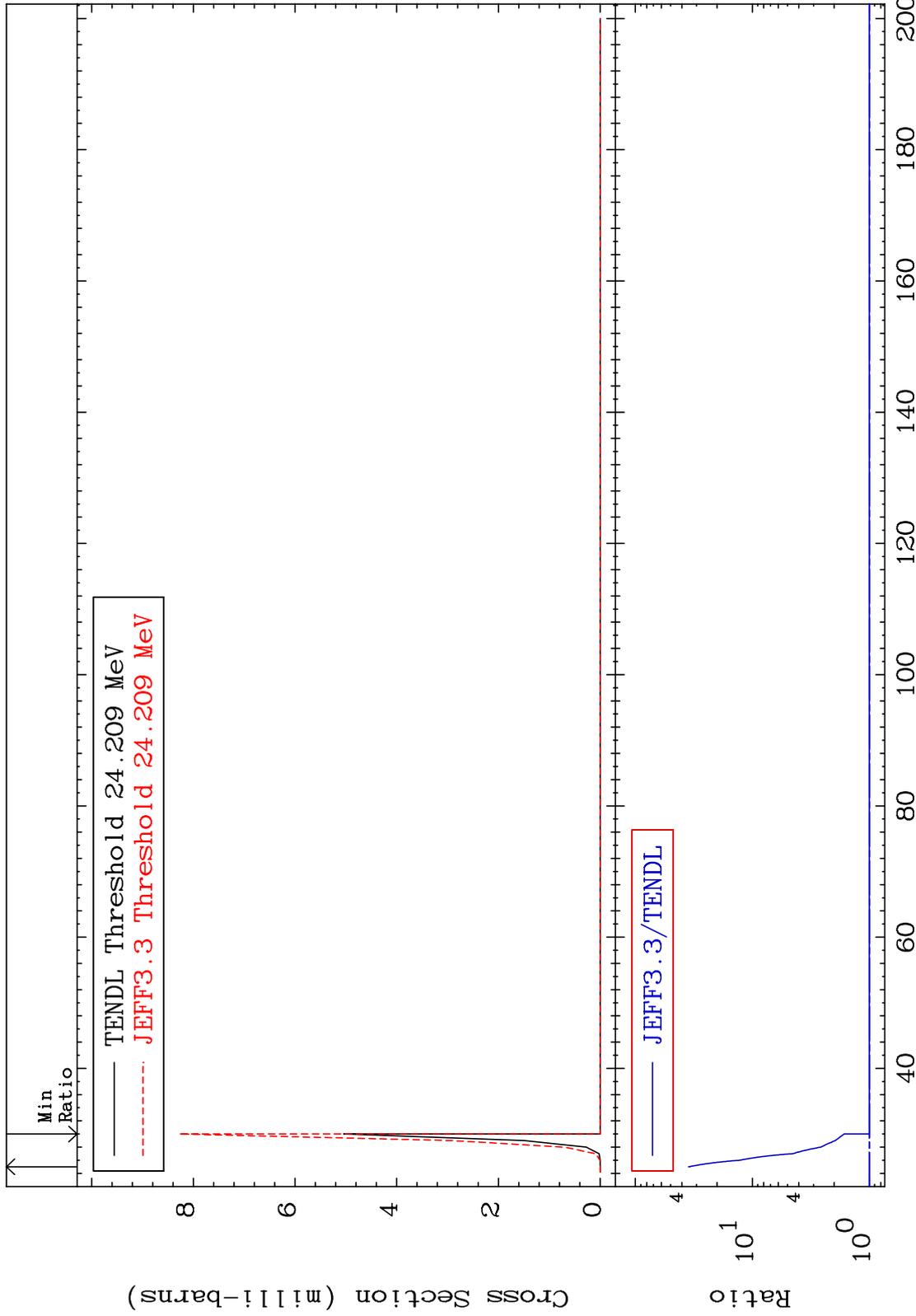
31-Ga-69

31-Ga-69

MAT 3125

(n,3n) p
Cross Section

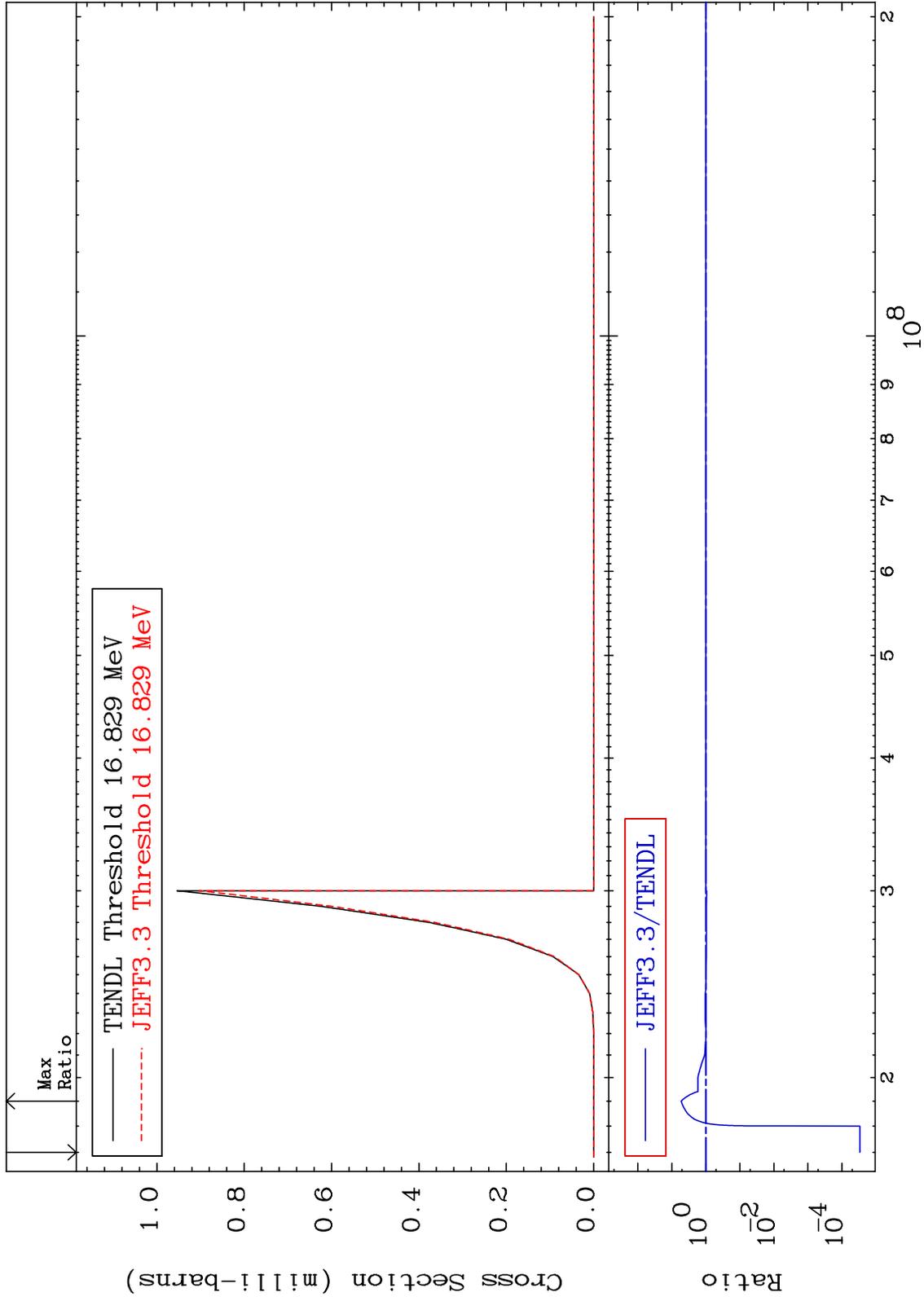
31-Ga-69
0.000 To 3407. %



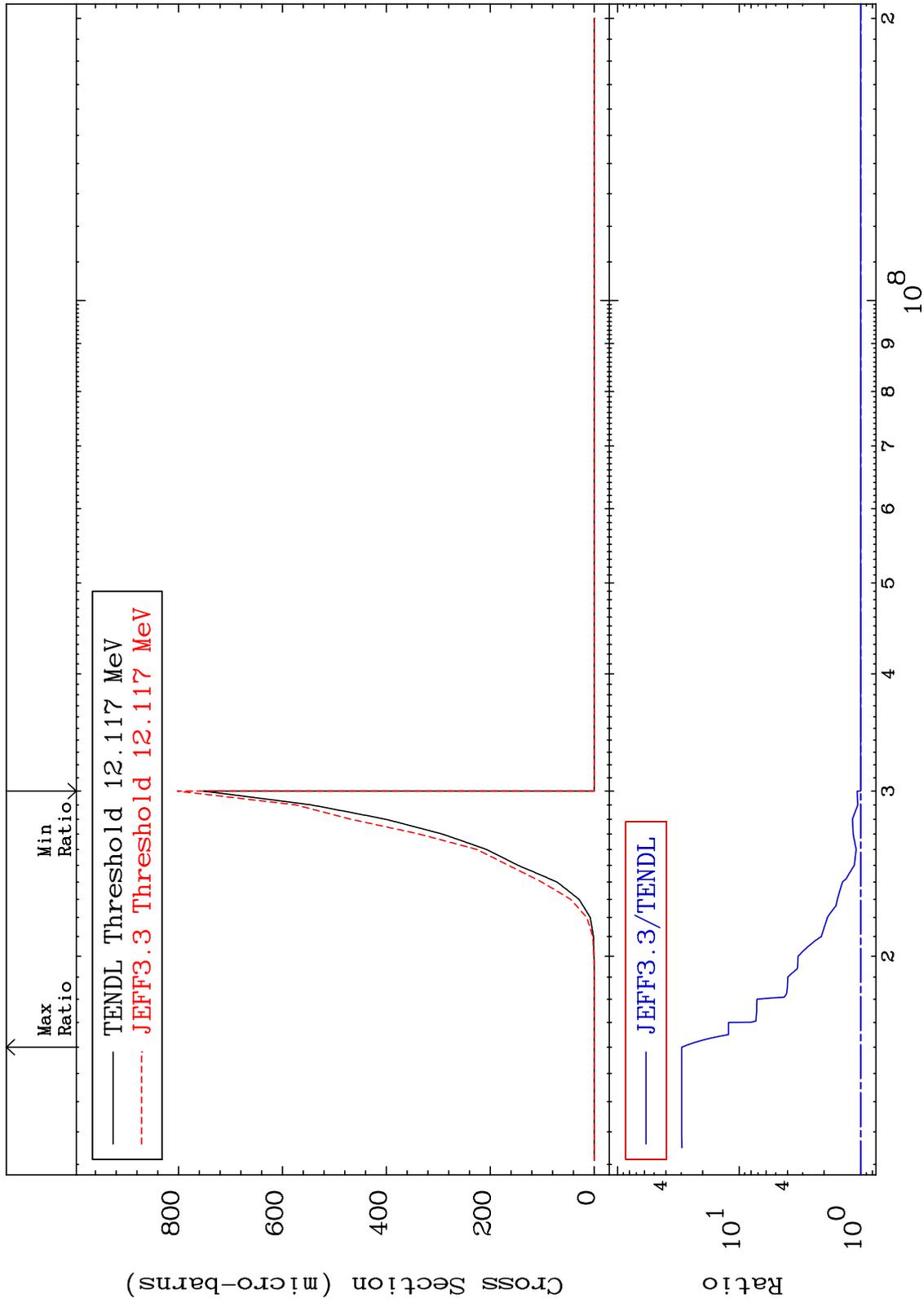
MAT 3125

(n,2n) p
Cross Section

31-Ga-69
-100.0 To 431.6 %



MAT 3125 $(n, n') p \alpha$ Cross Section 31-Ga-69 To 2868. %



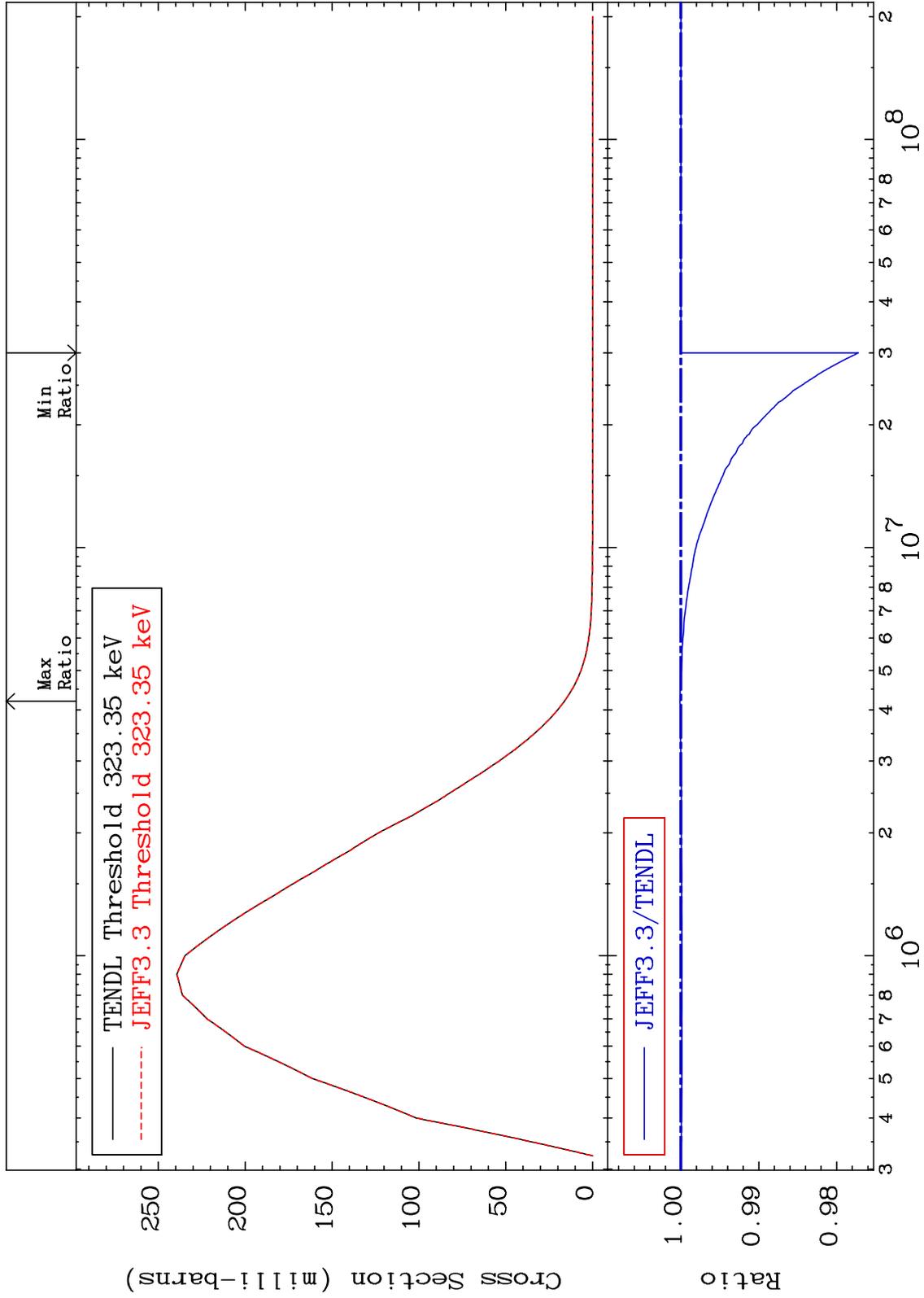
31-Ga-69

Incident Energy (eV)

MAT 3125

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

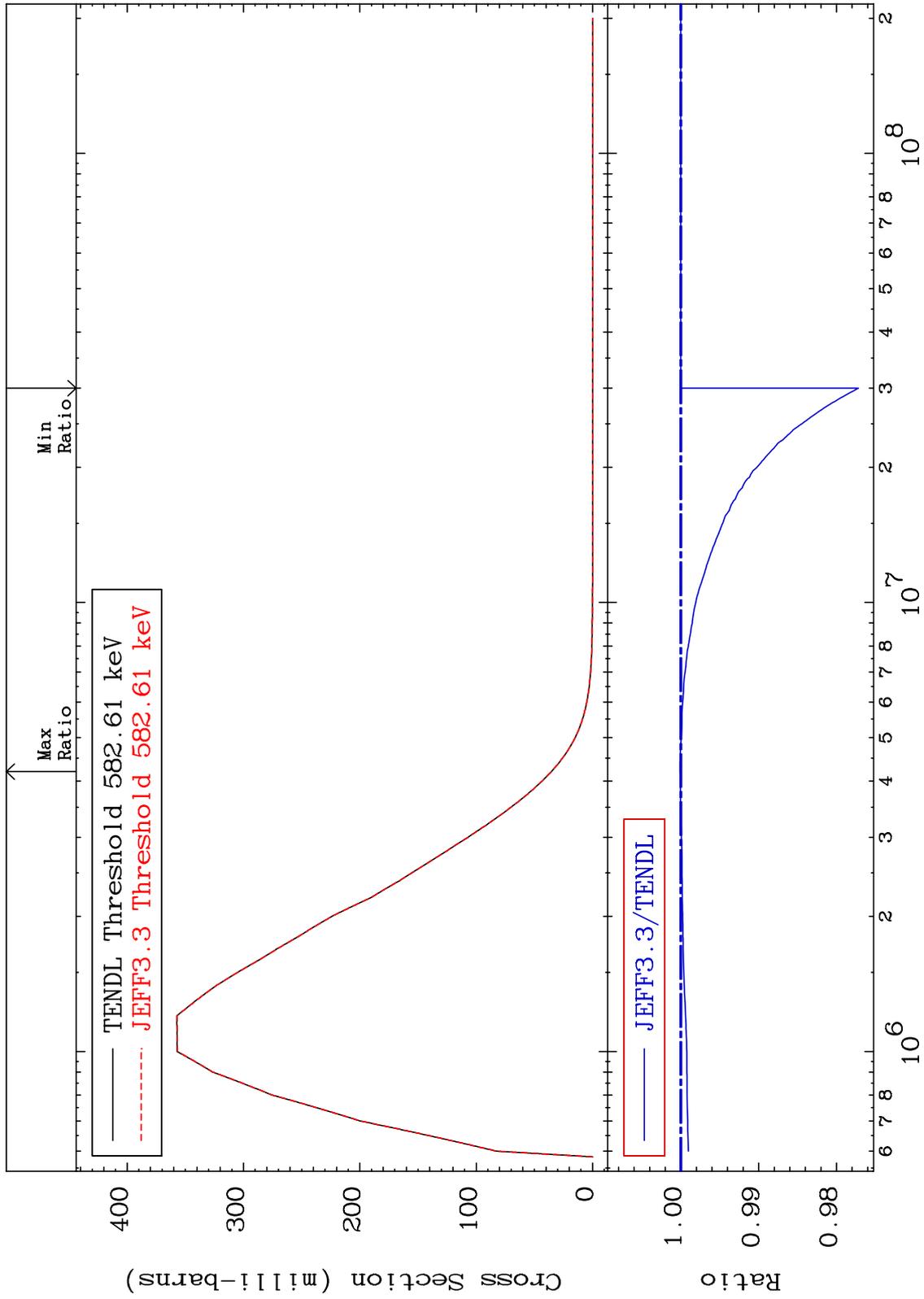
31-Ga-69
-2.278 To 0.013 %



MAT 3125

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

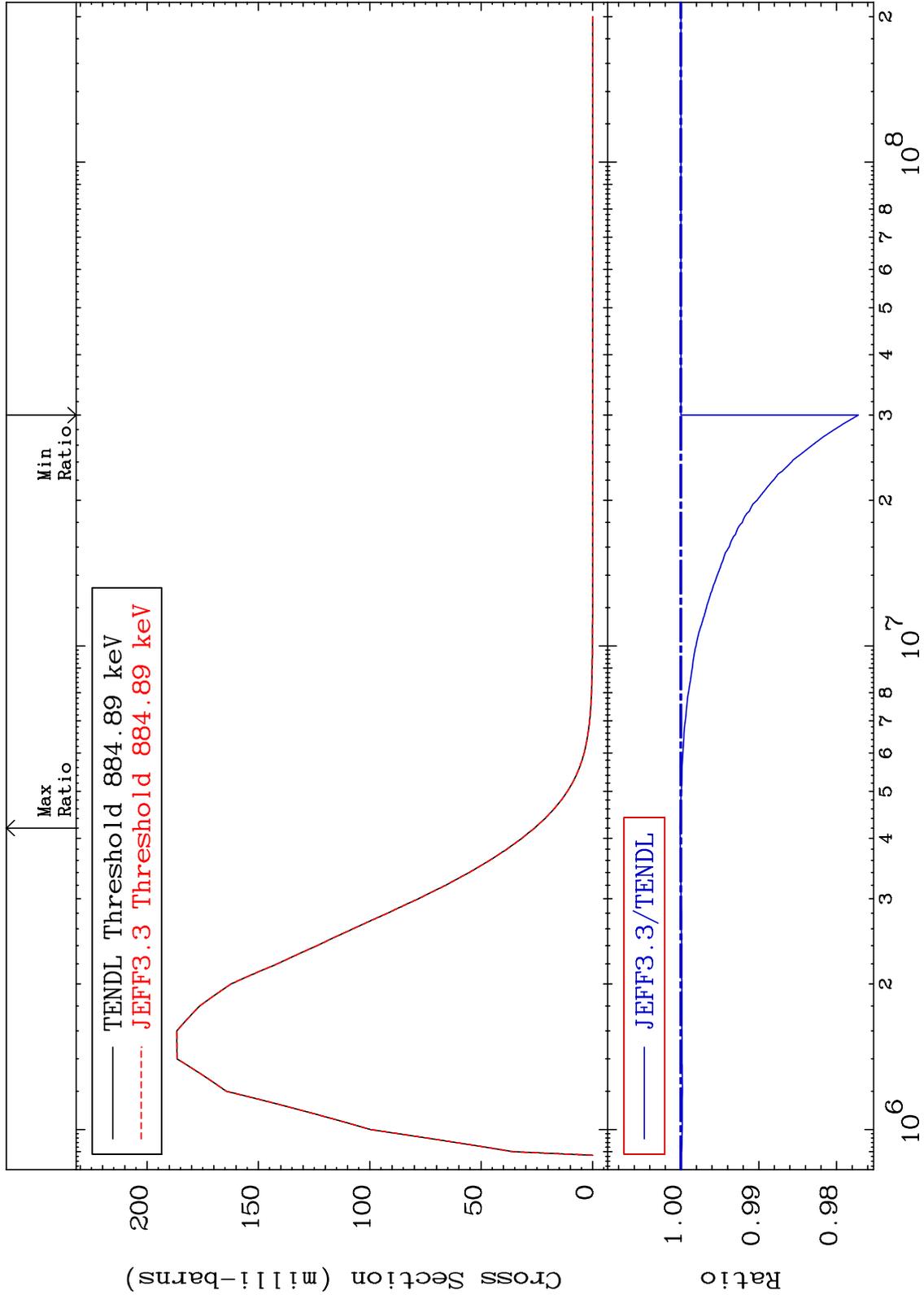
31-Ga-69
-2.281 To 0.011 %



MAT 3125

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

31-Ga-69
-2.280 To 0.012 %



21

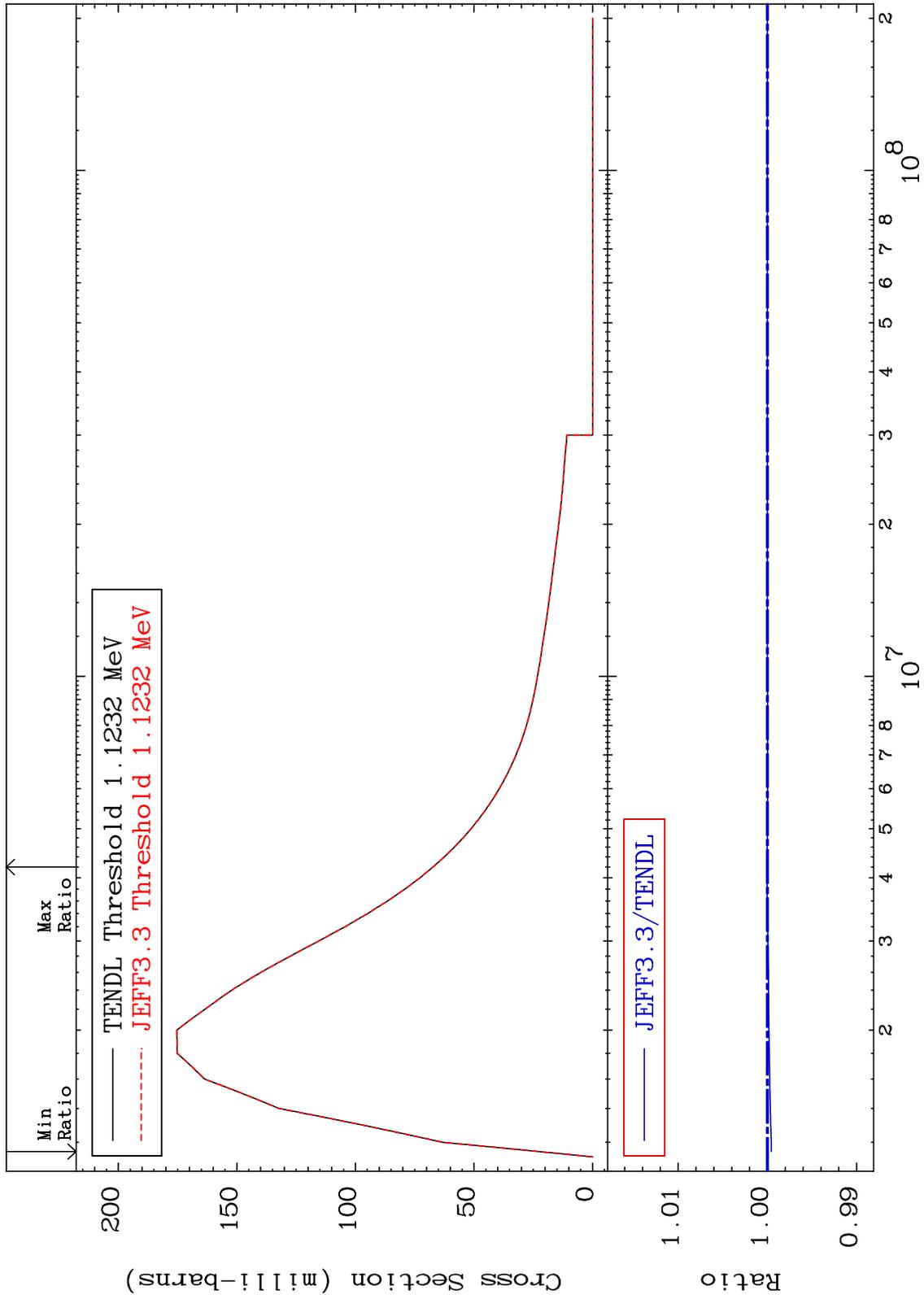
Incident Energy (eV)

31-Ga-69

MAT 3125

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

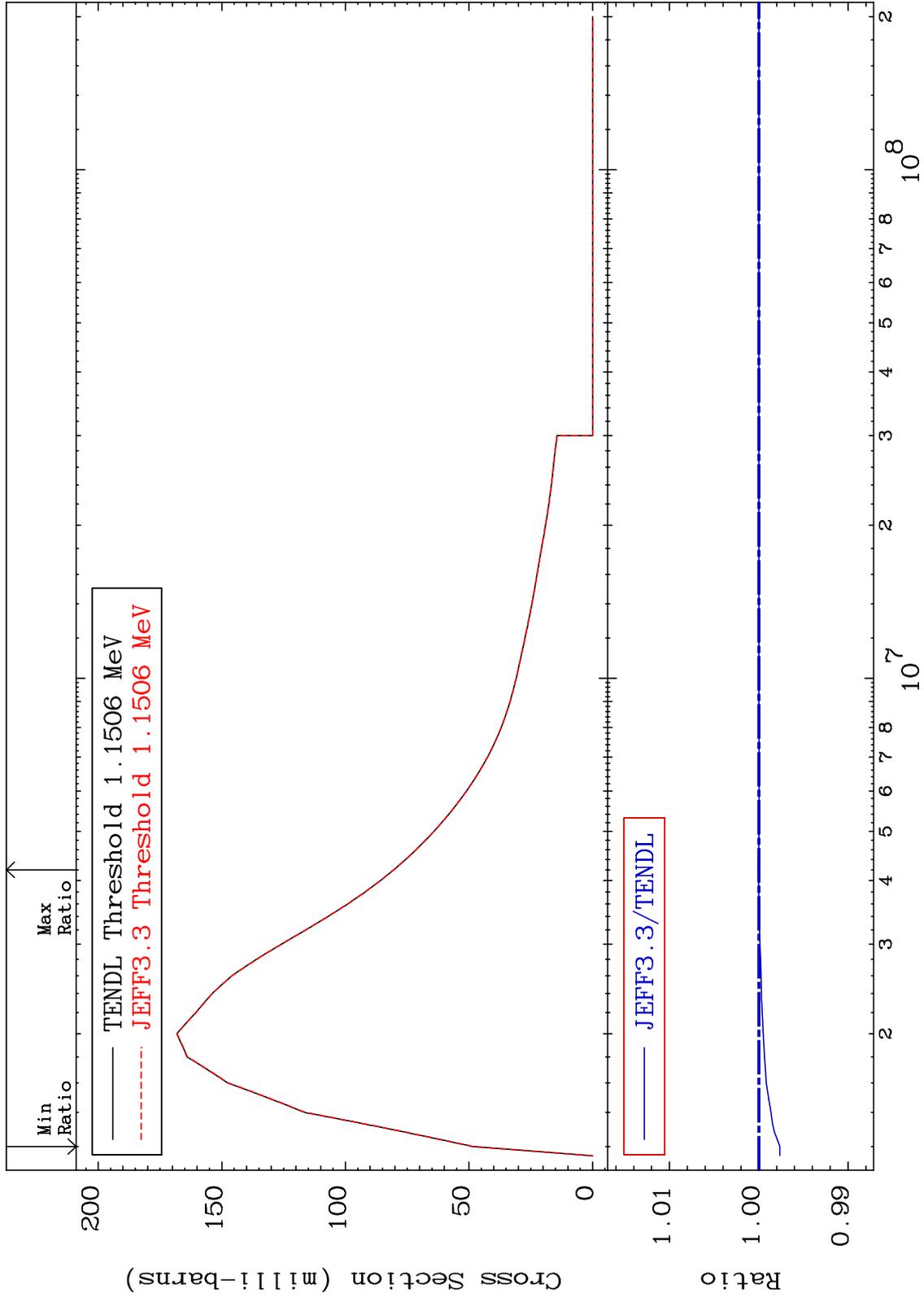
31-Ga-69
-0.045 To 0.005 %



MAT 3125

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

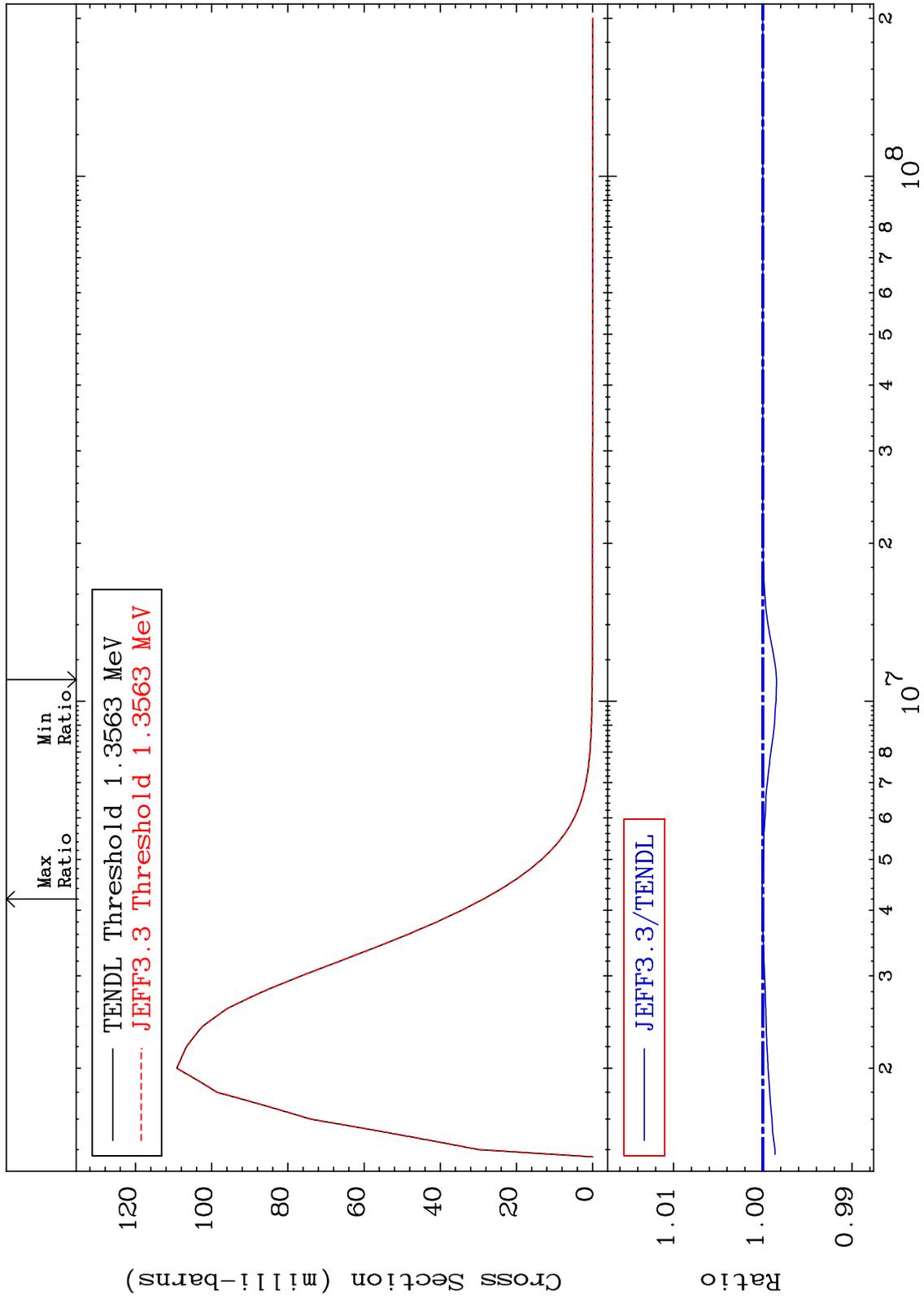
31-Ga-69
-0.236 To 0.004 %



MAT 3125

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

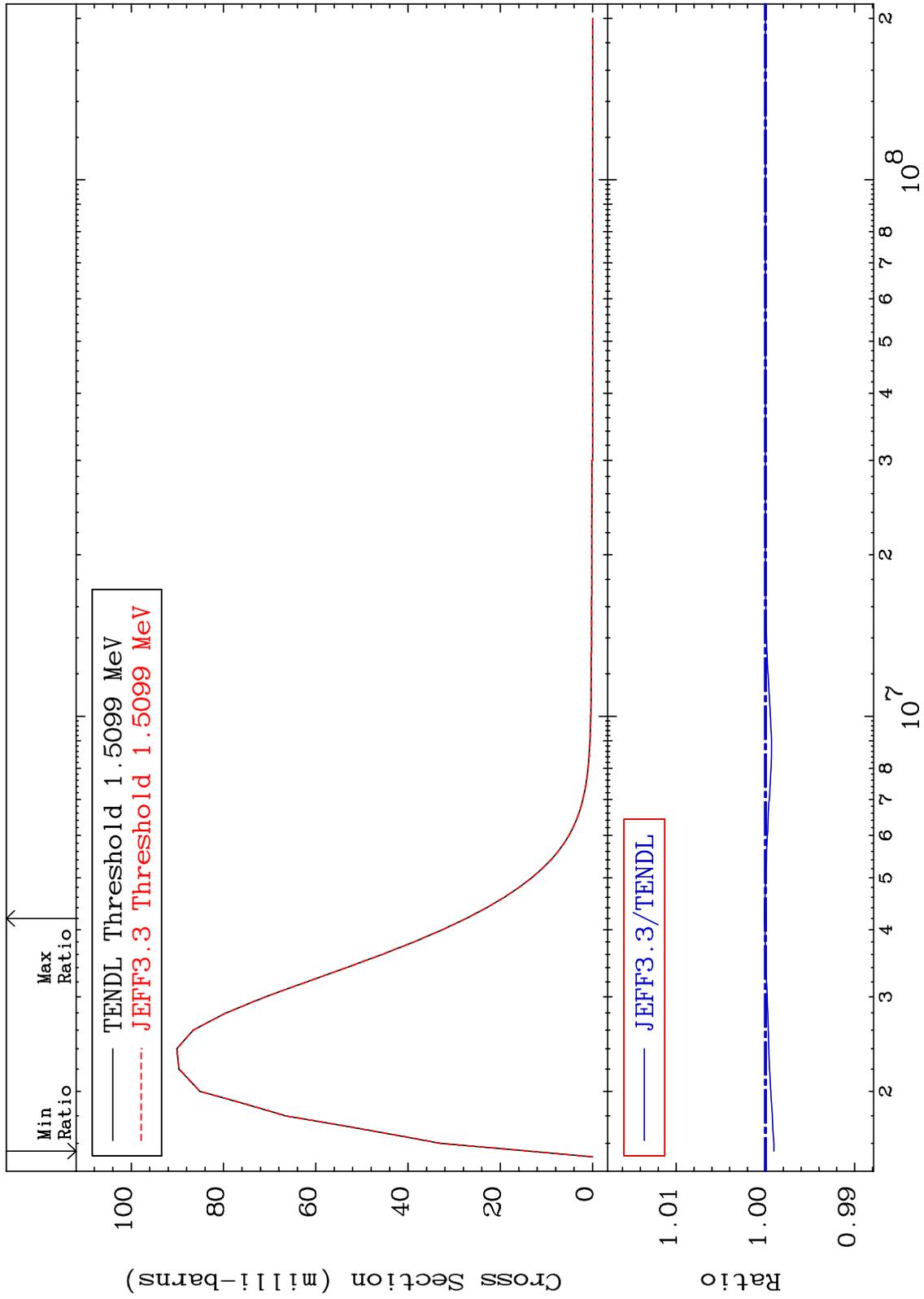
31-Ga-69
-0.153 To 0.010 %



MAT 3125

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

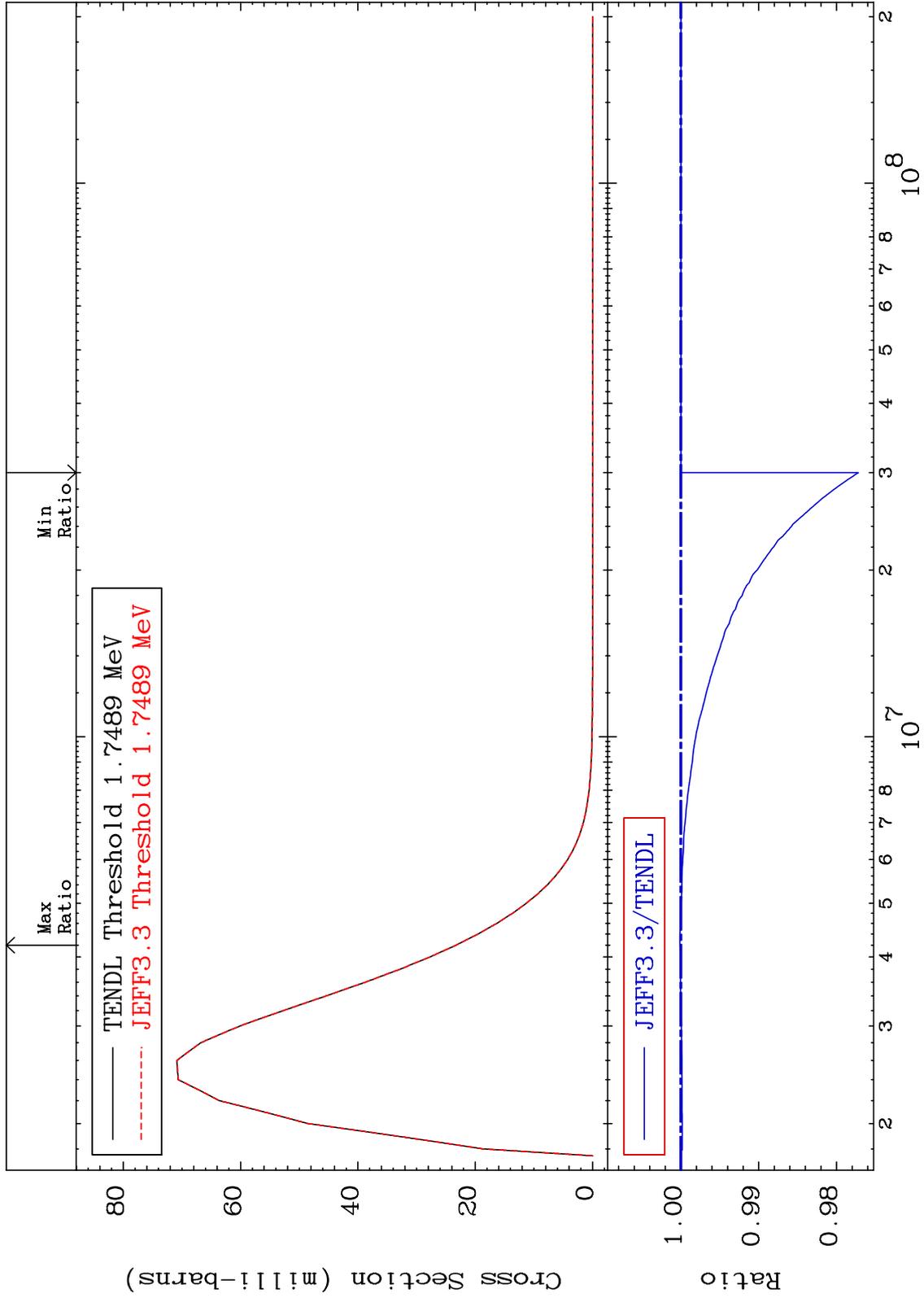
31-Ga-69
-0.094 To 0.010 %



MAT 3125

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

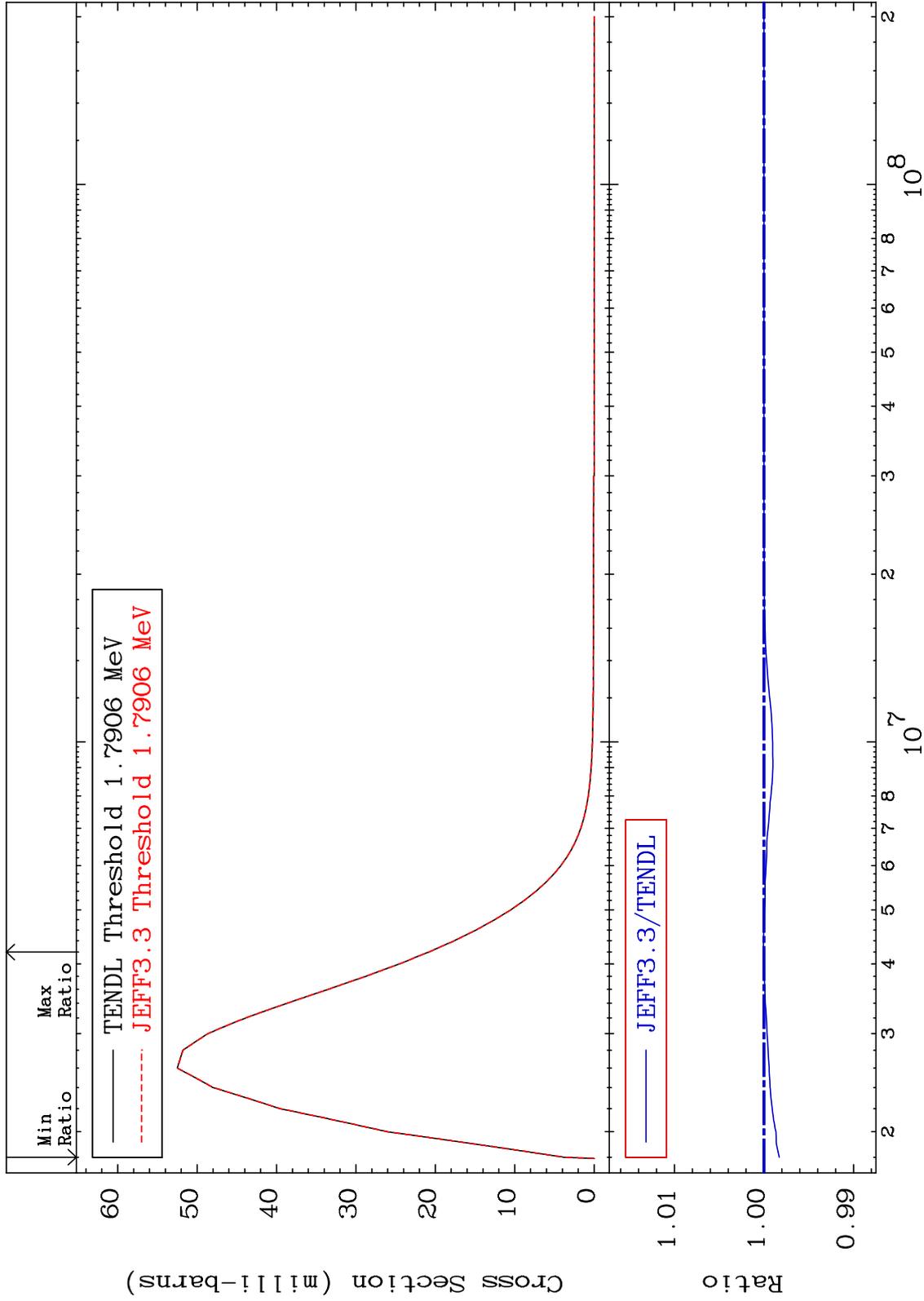
31-Ga-69
-2.280 To 0.012 %



MAT 3125

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

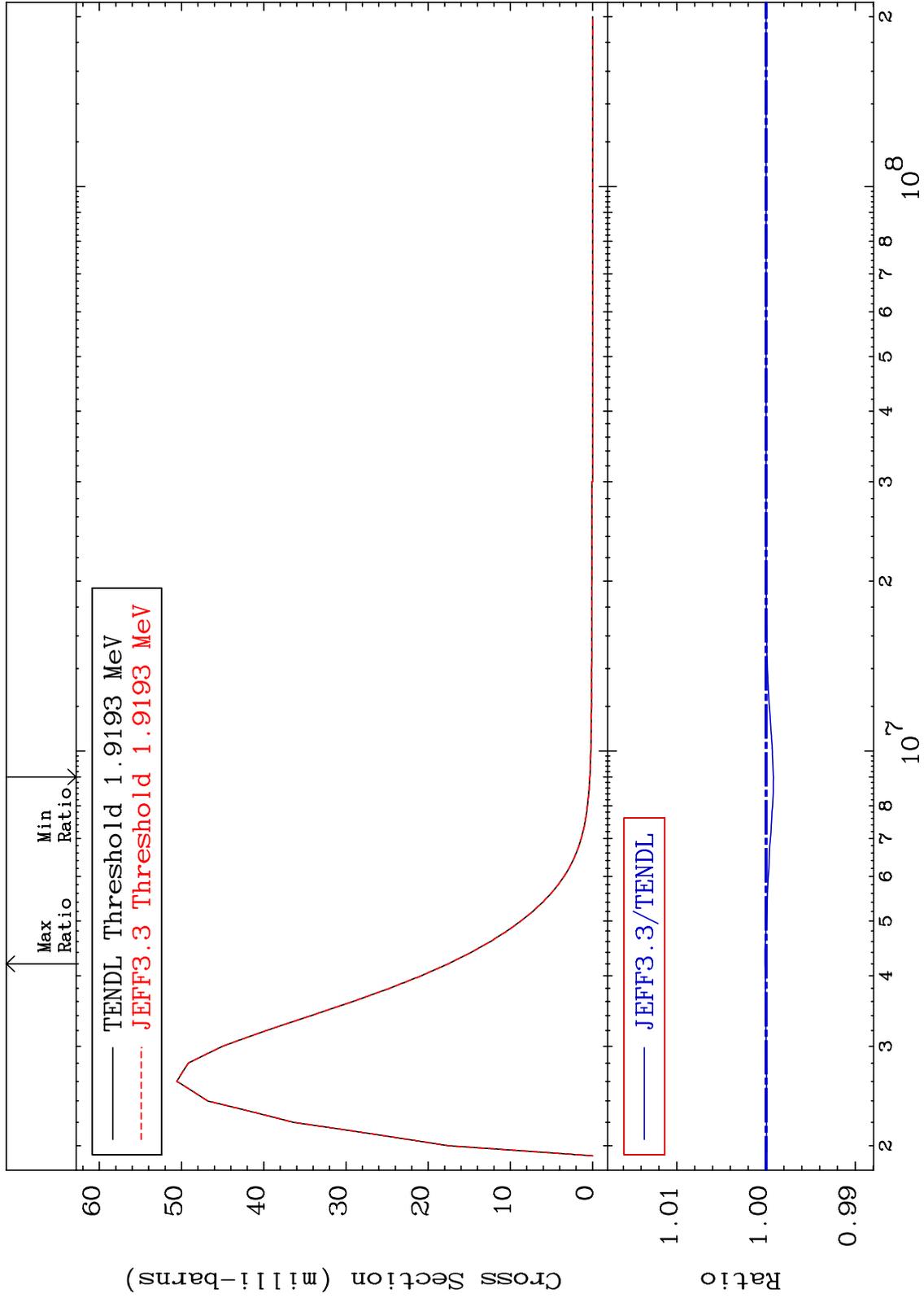
31-Ga-69
-0.169 To 0.008 %



MAT 3125

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

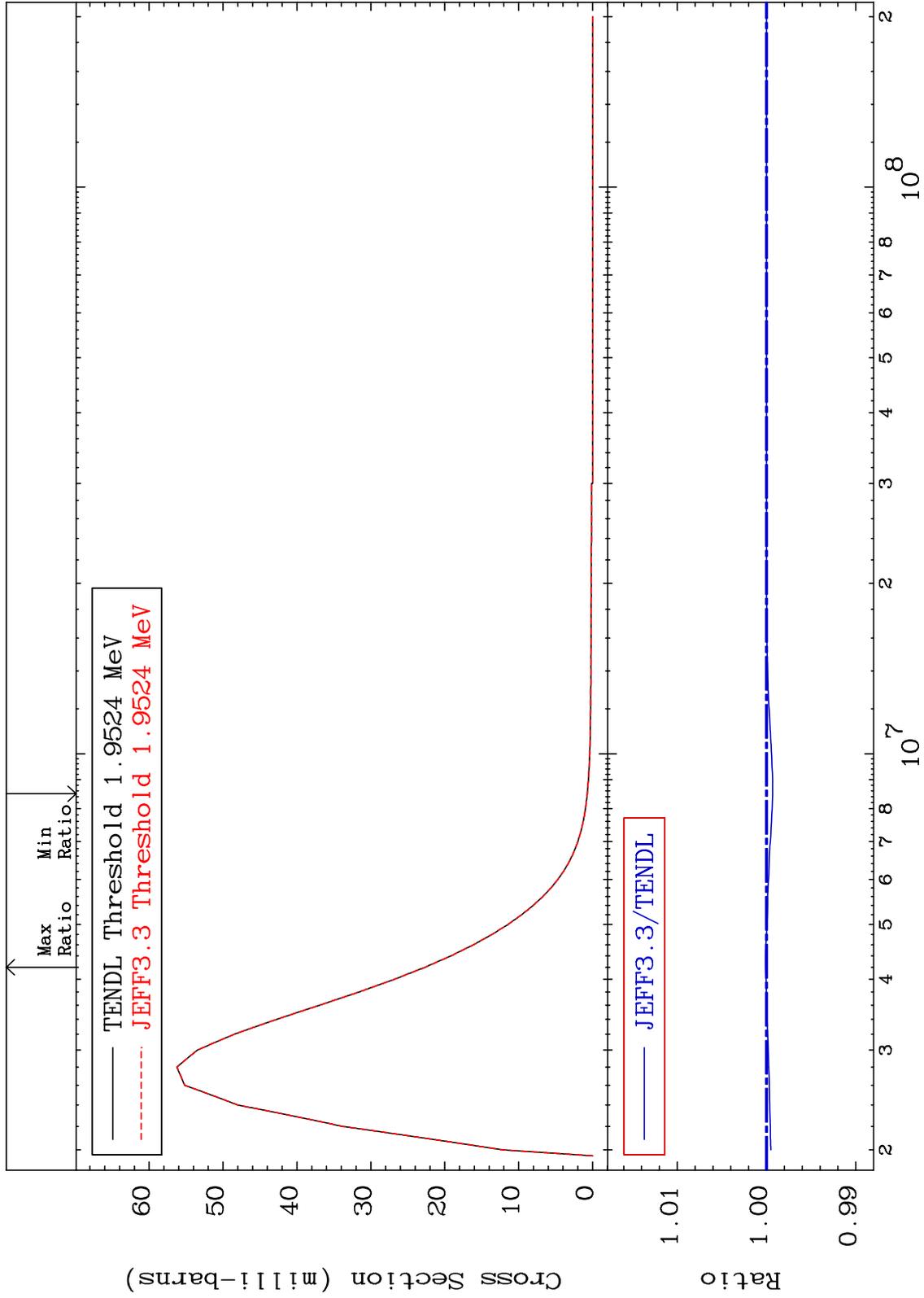
31-Ga-69
-0.082 To 0.013 %



MAT 3125

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

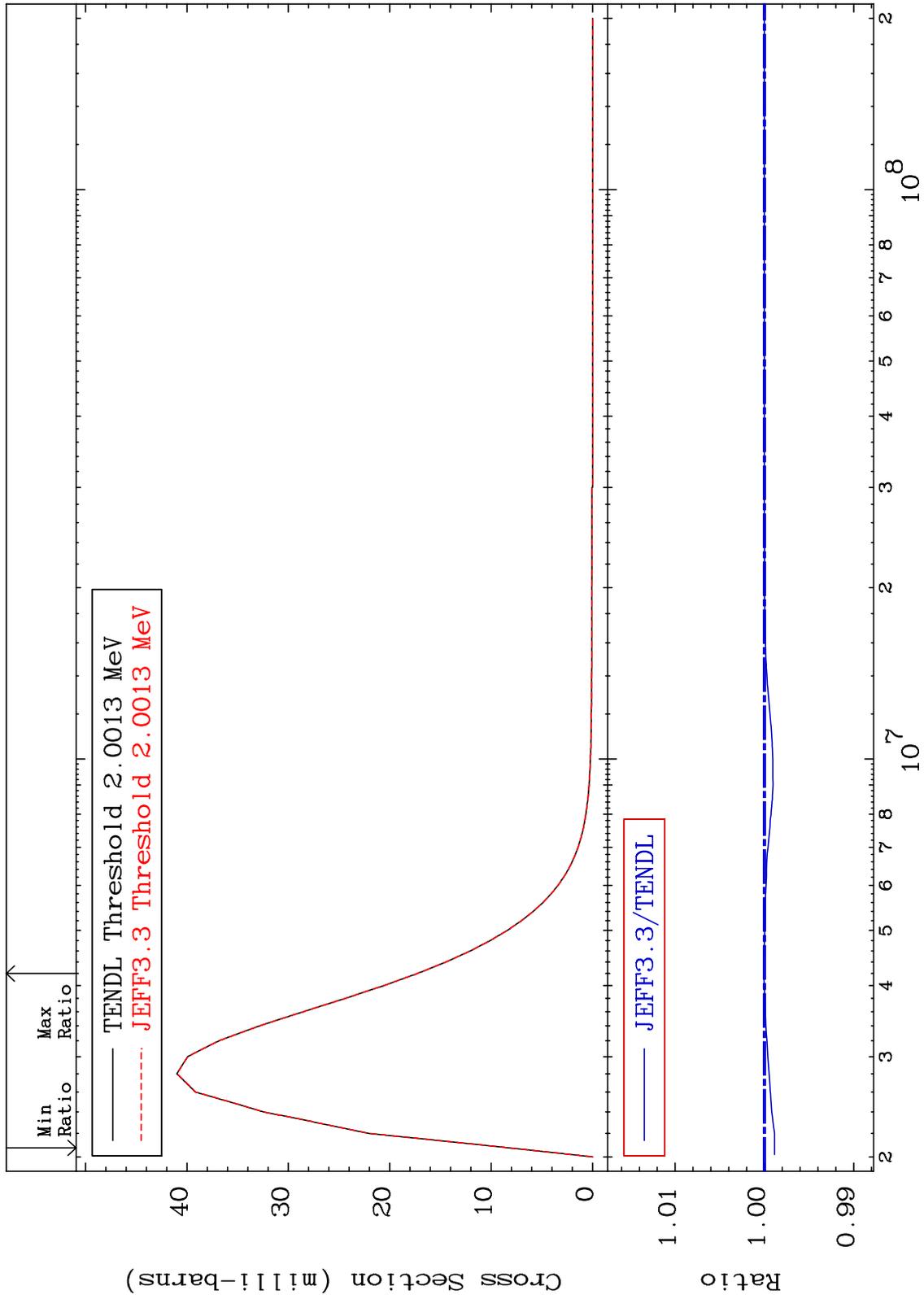
31-Ga-69
-0.069 To 0.010 %



MAT 3125

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

31-Ga-69
-0.114 To 0.008 %



30

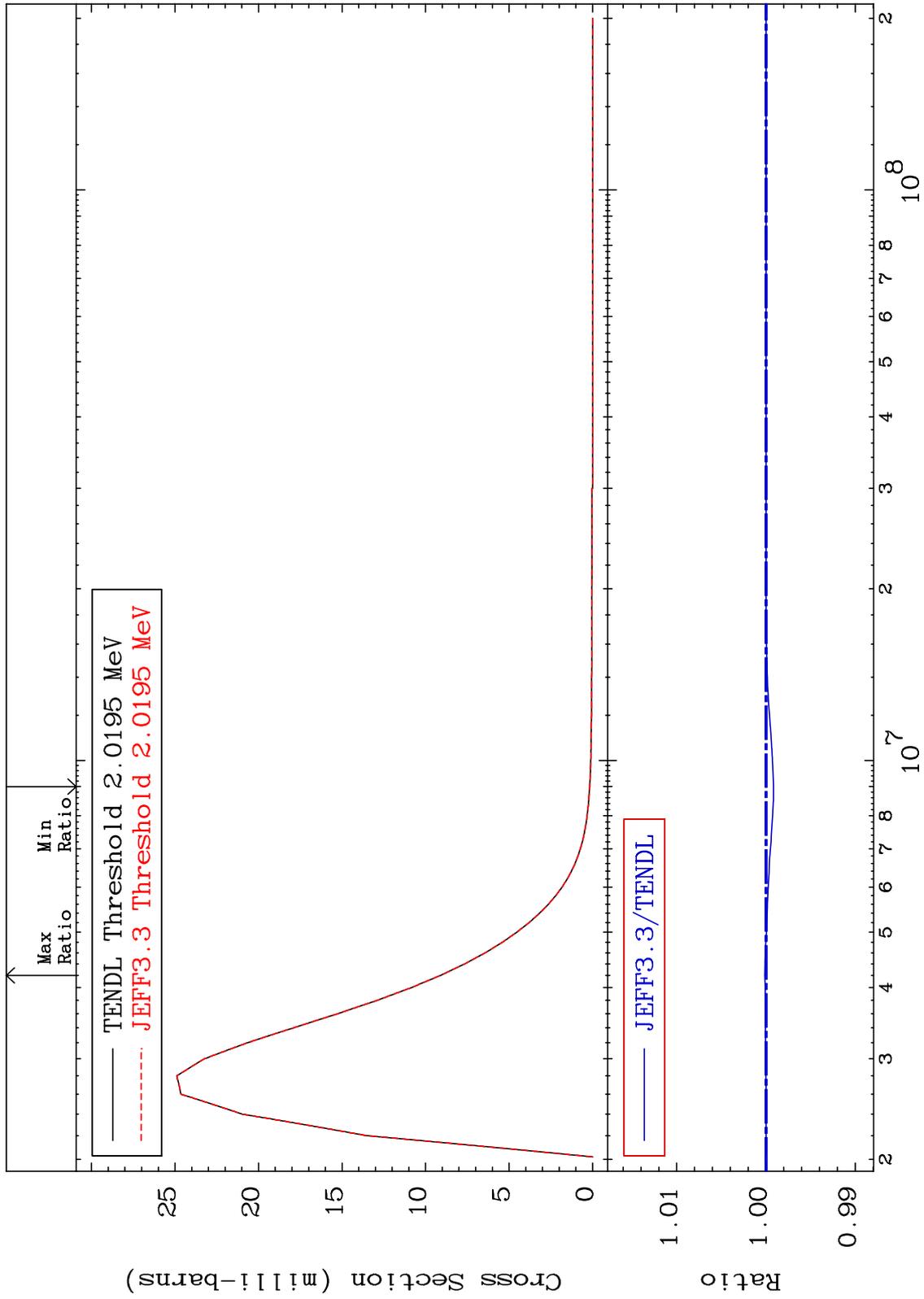
31-Ga-69

31-Ga-69

MAT 3125

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

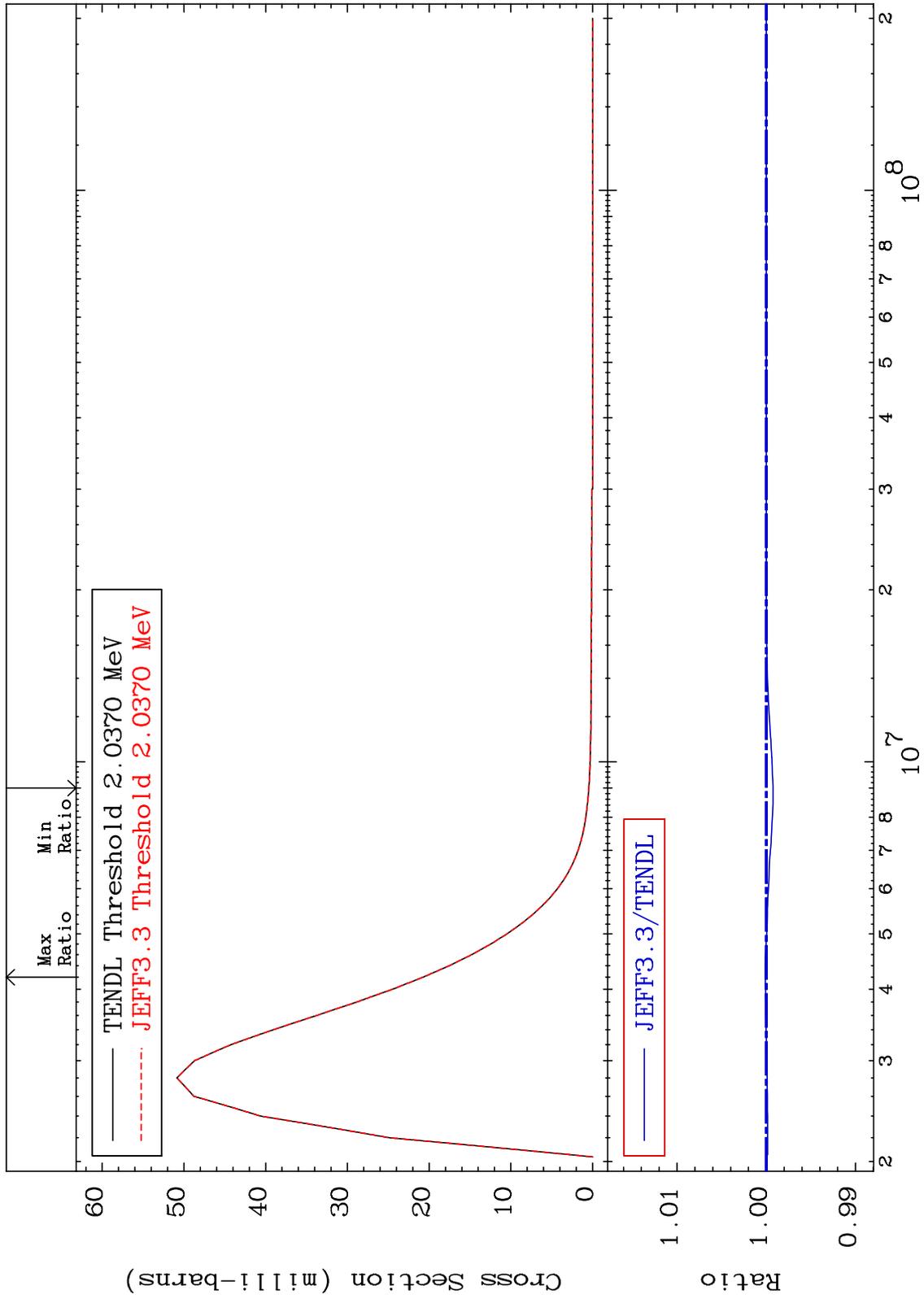
31-Ga-69
-0.085 To 0.013 %



MAT 3125

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

31-Ga-69
-0.076 To 0.012 %



32

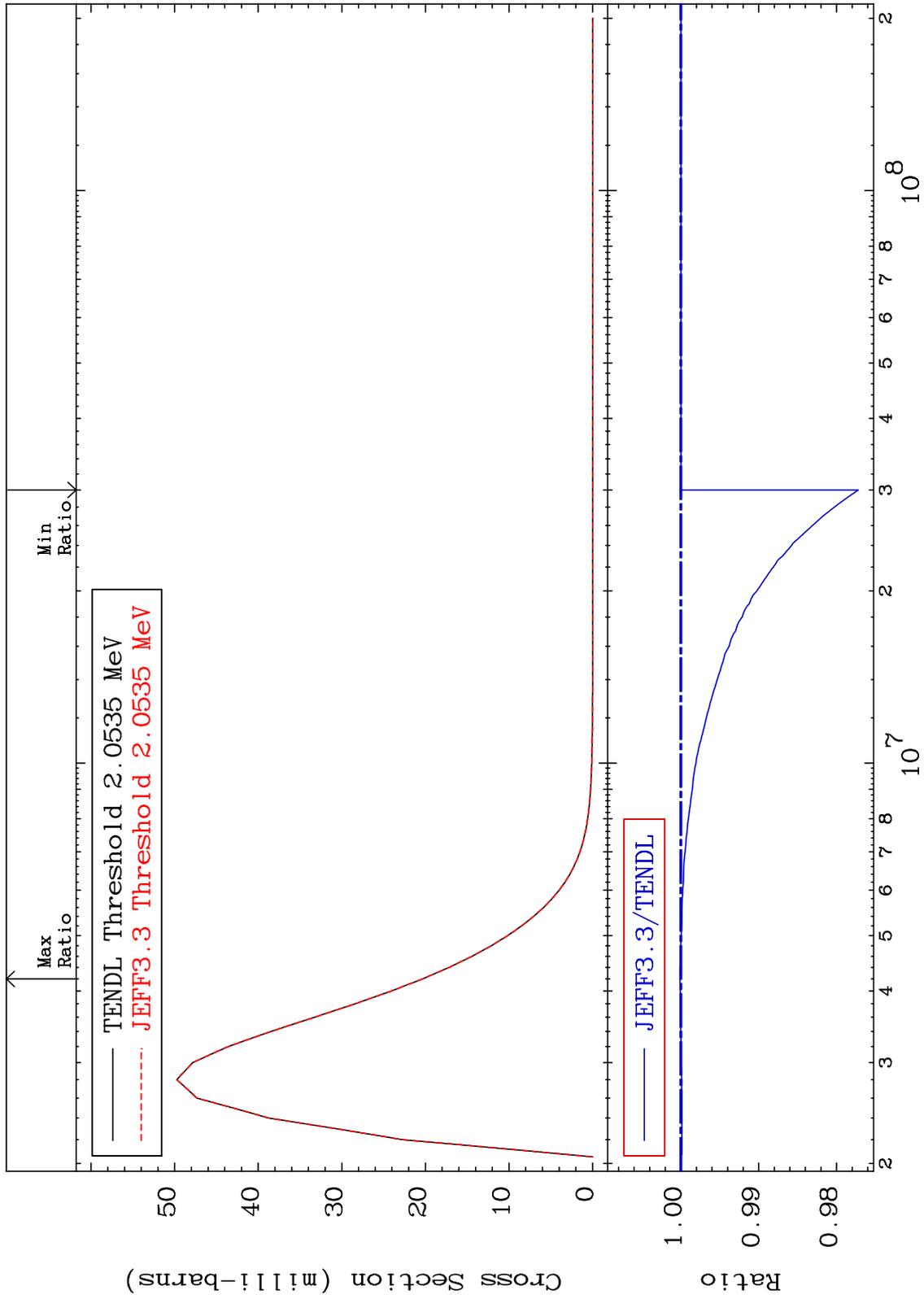
Incident Energy (eV)

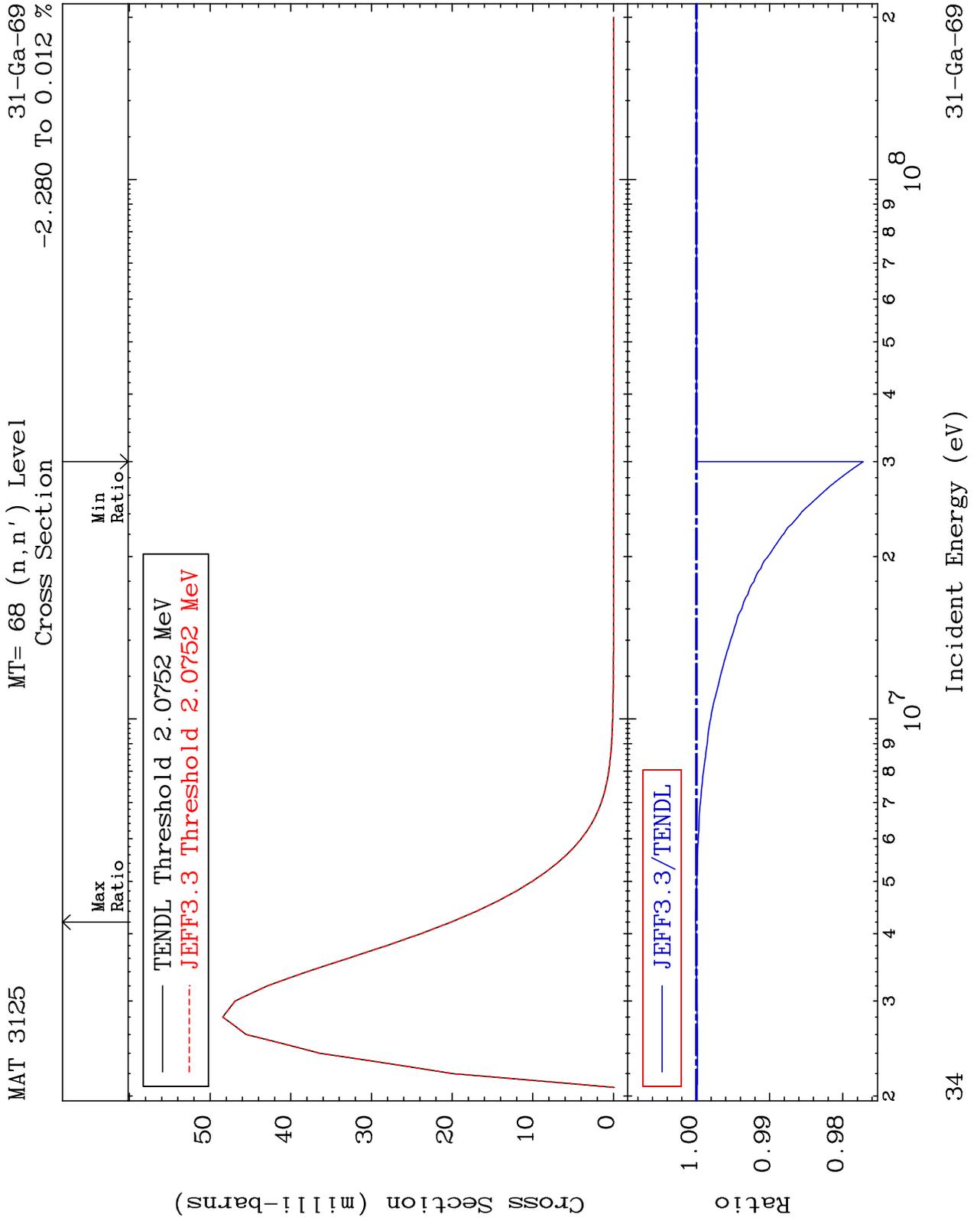
31-Ga-69

MAT 3125

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

31-Ga-69
-2.280 To 0.012 %

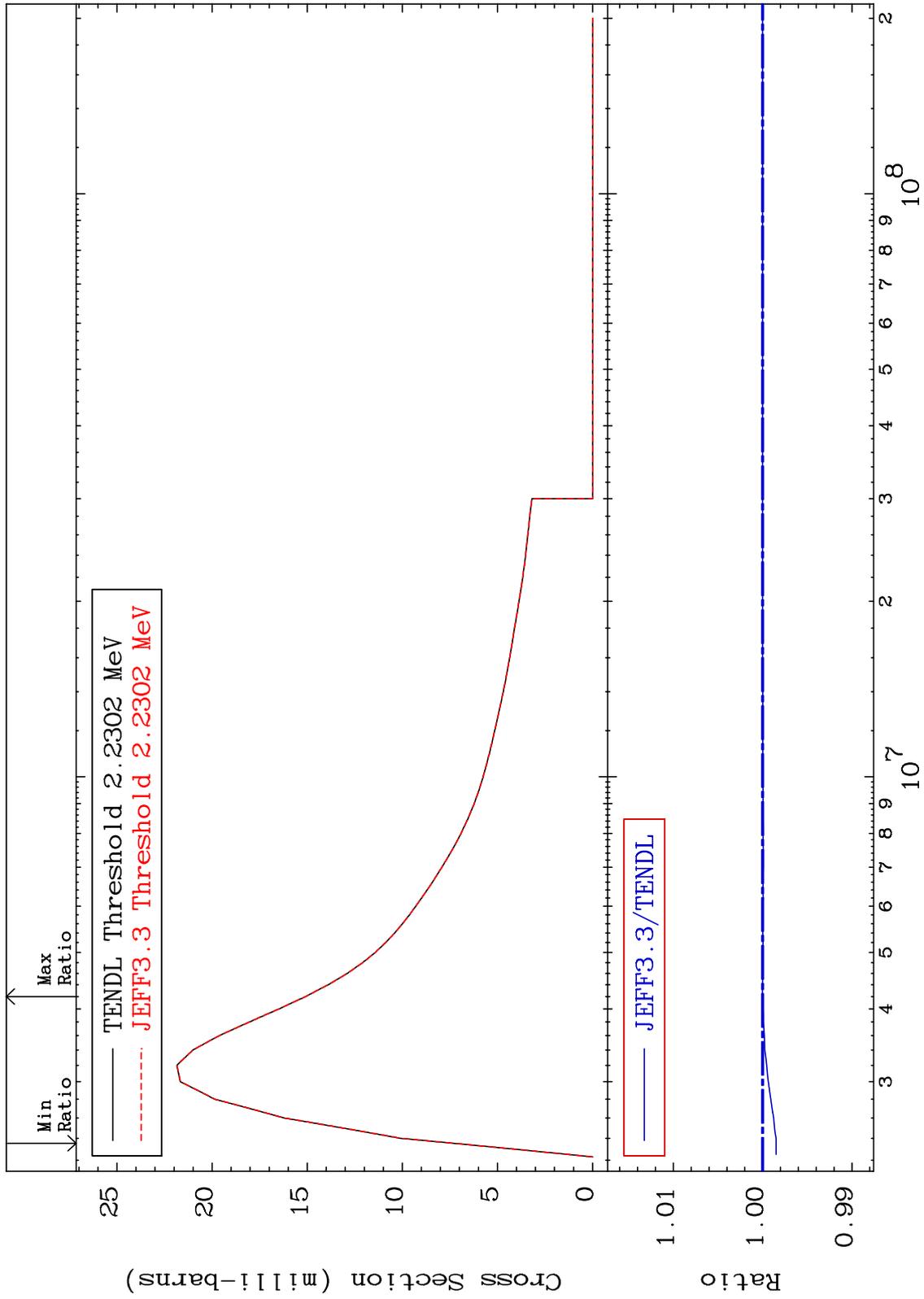




MAT 3125

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

31-Ga-69
-0.150 To 0.004 %



35

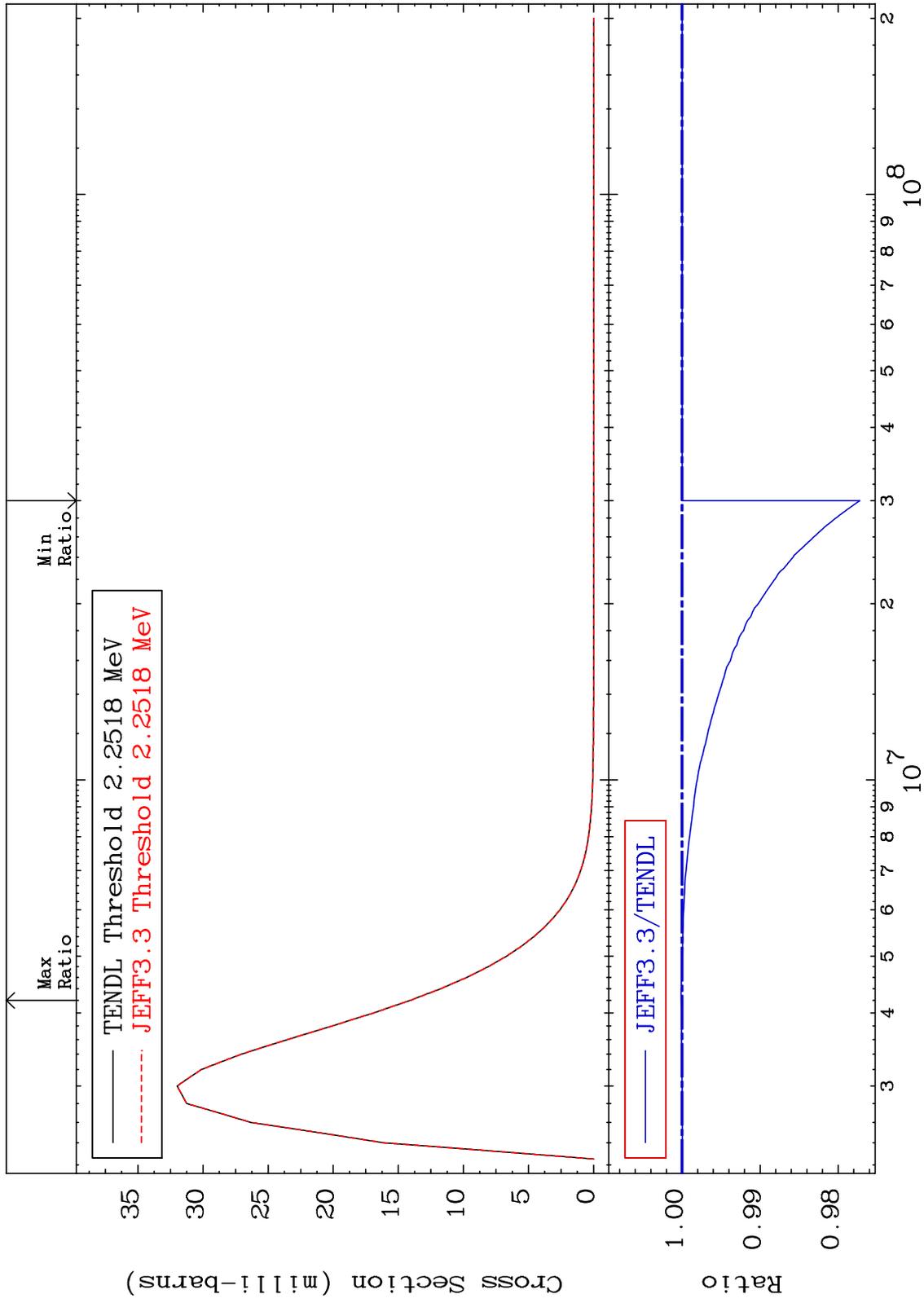
Incident Energy (eV)

31-Ga-69

MAT 3125

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

31-Ga-69
-2.279 To 0.012 %



36

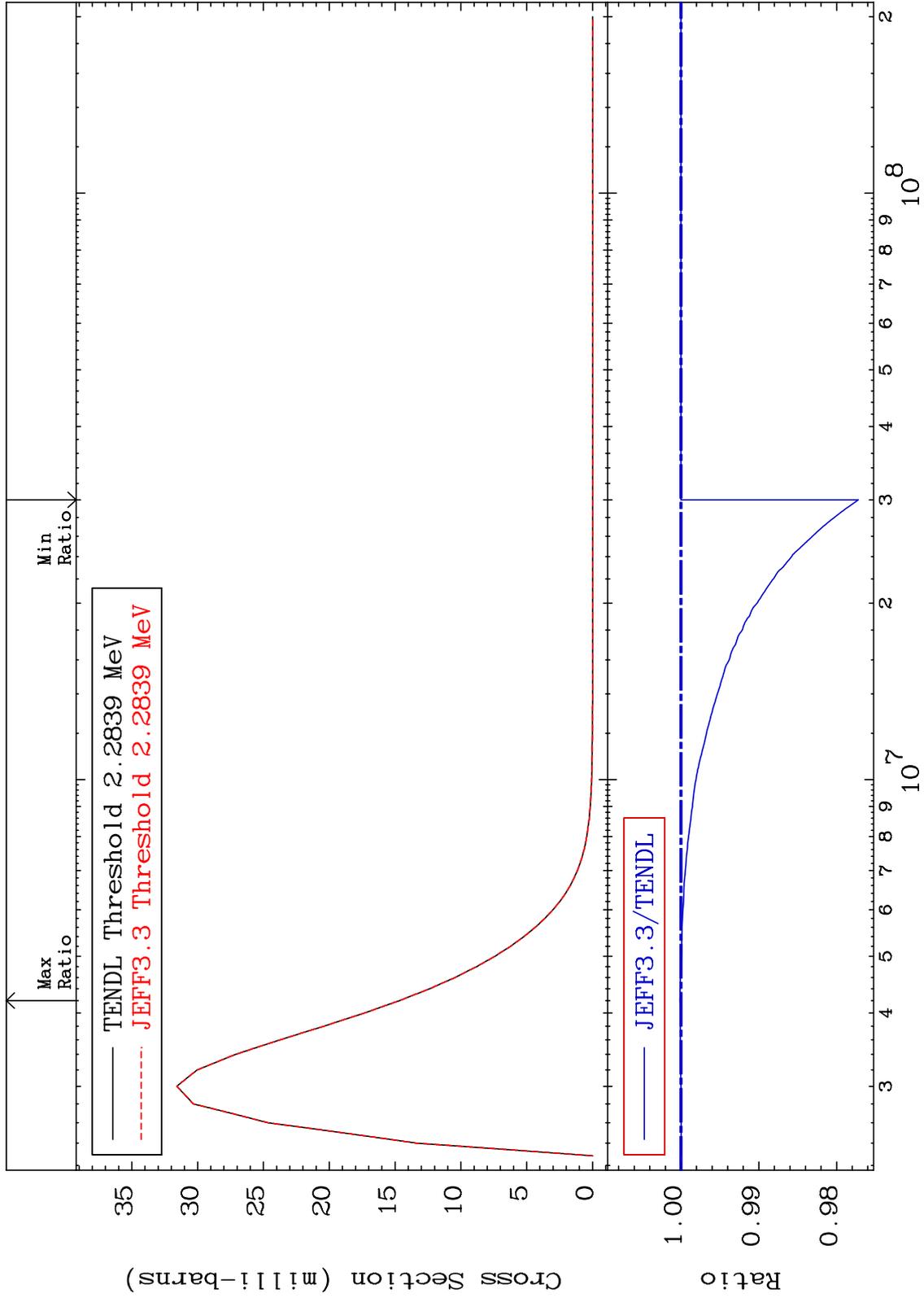
Incident Energy (eV)

31-Ga-69

MAT 3125

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

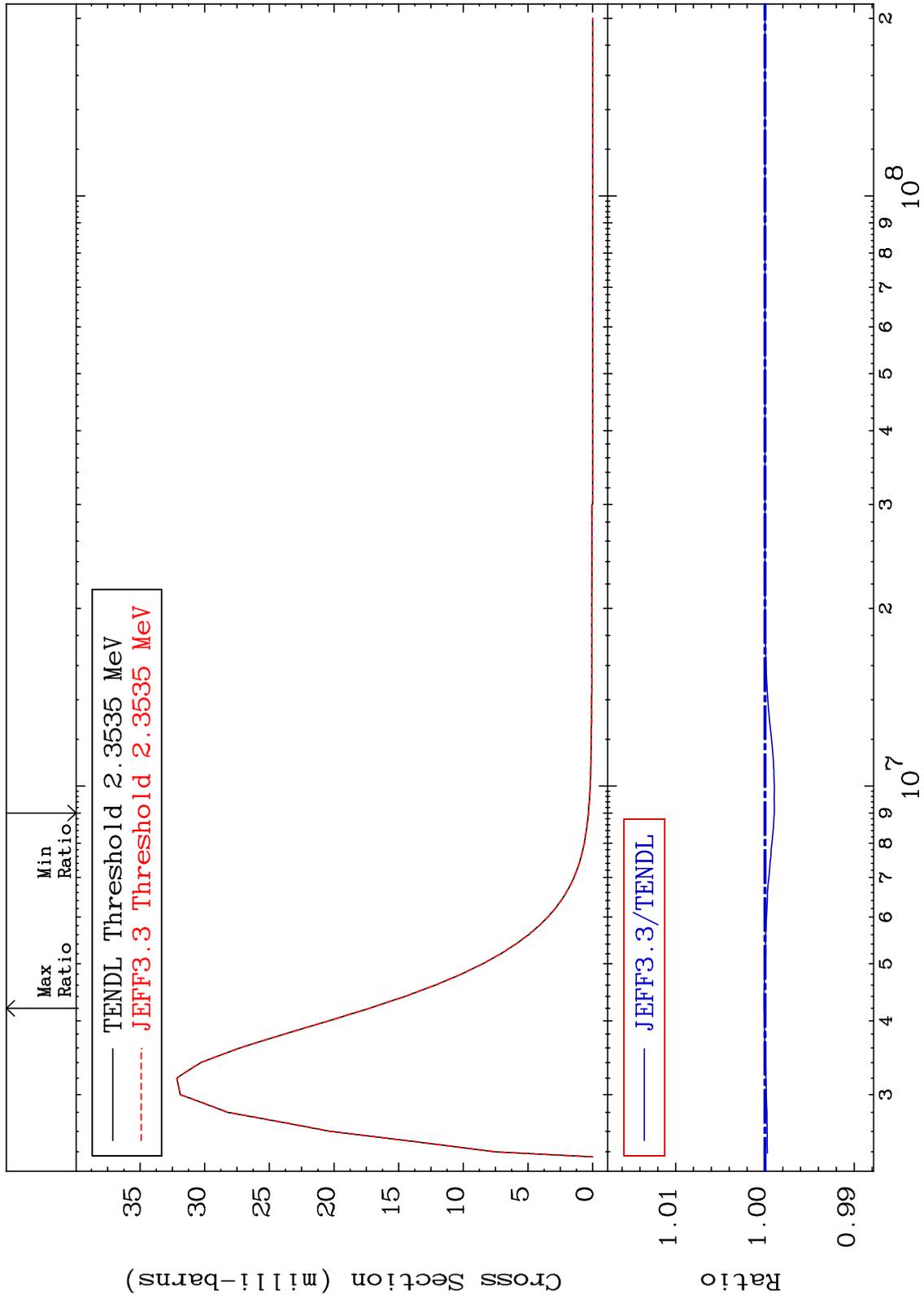
31-Ga-69
-2.279 To 0.013 %



MAT 3125

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

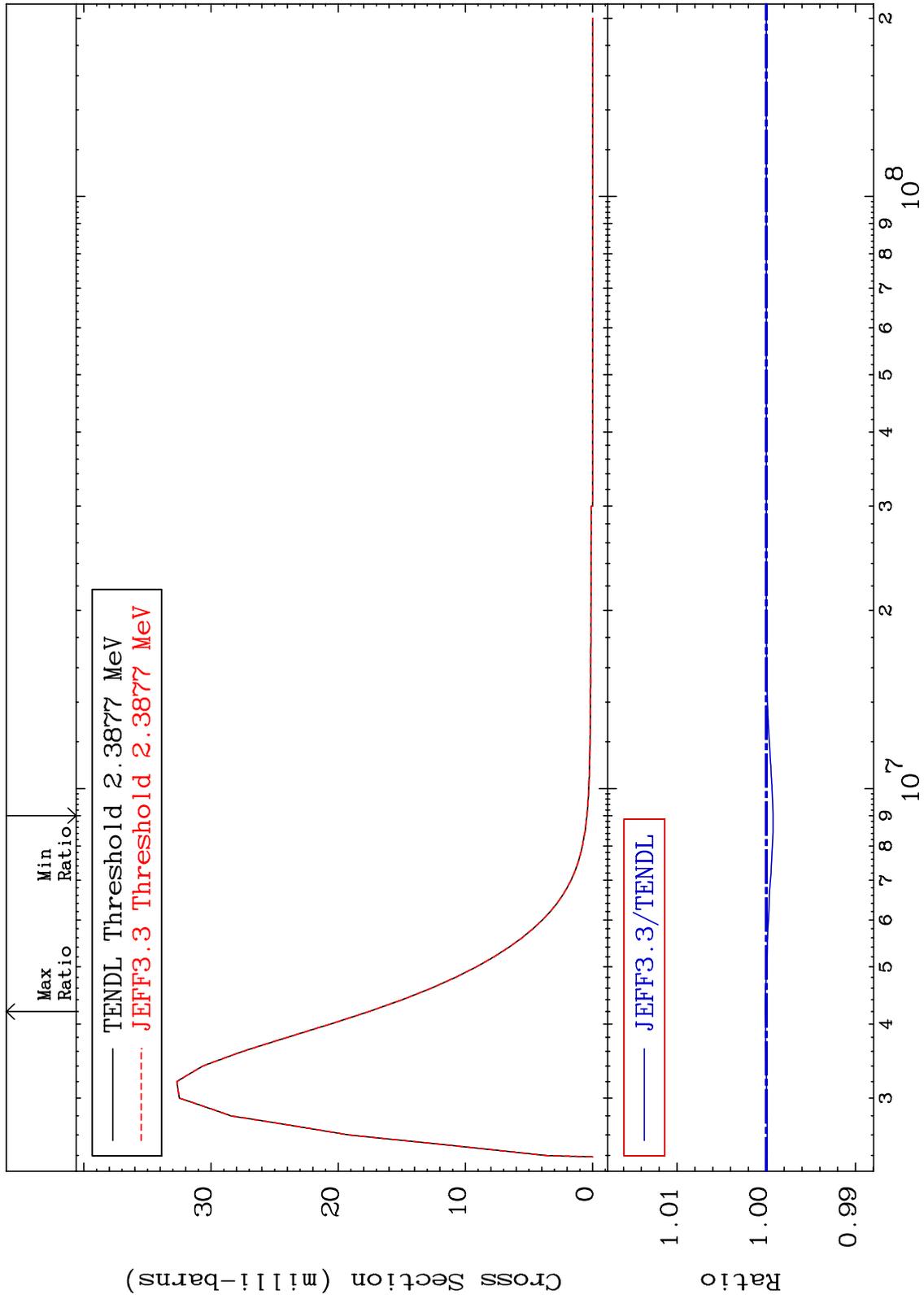
31-Ga-69
-0.105 To 0.010 %



MAT 3125

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

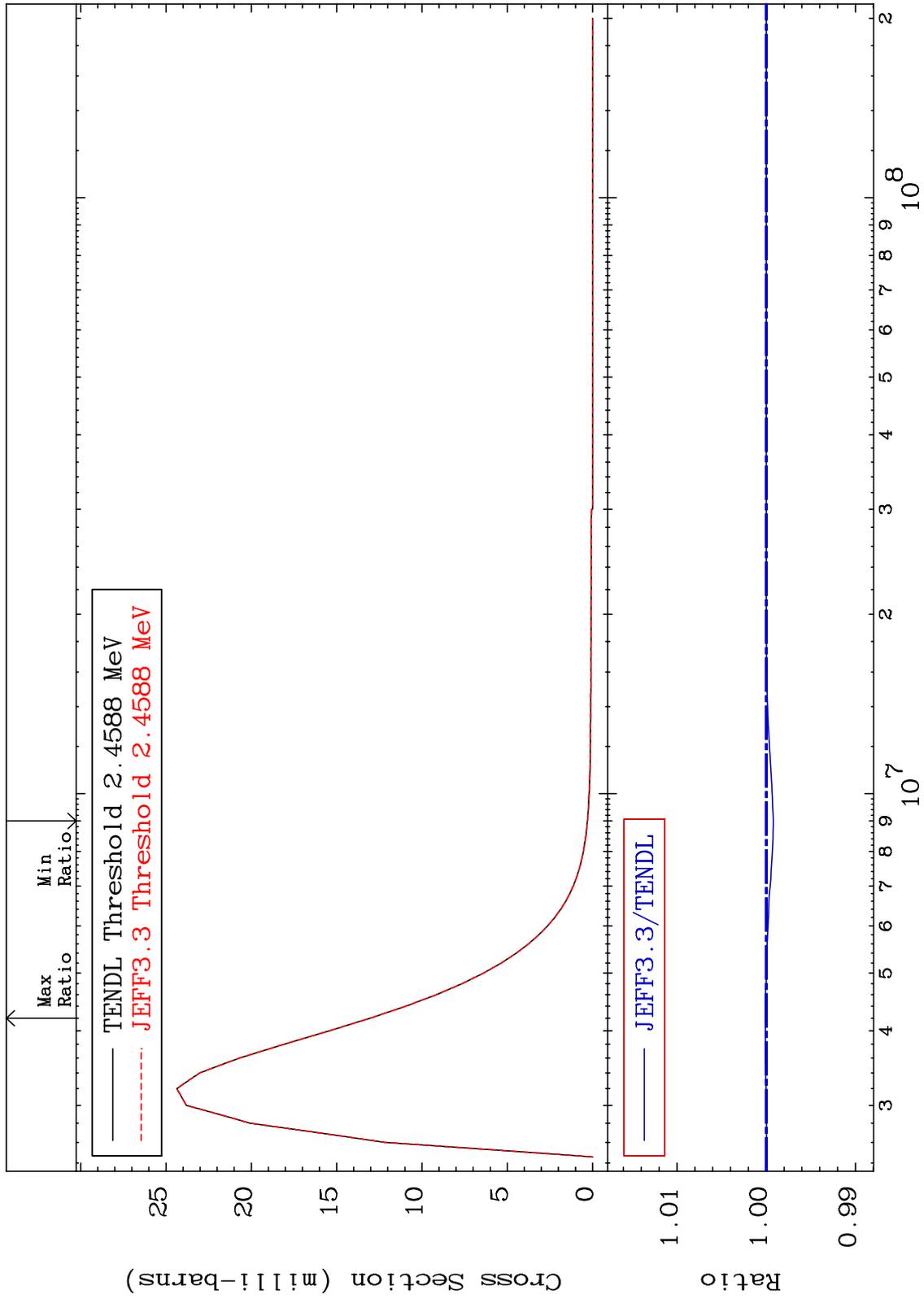
31-Ga-69
-0.076 To 0.012 %



MAT 3125

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

31-Ga-69
-0.078 To 0.012 %



40

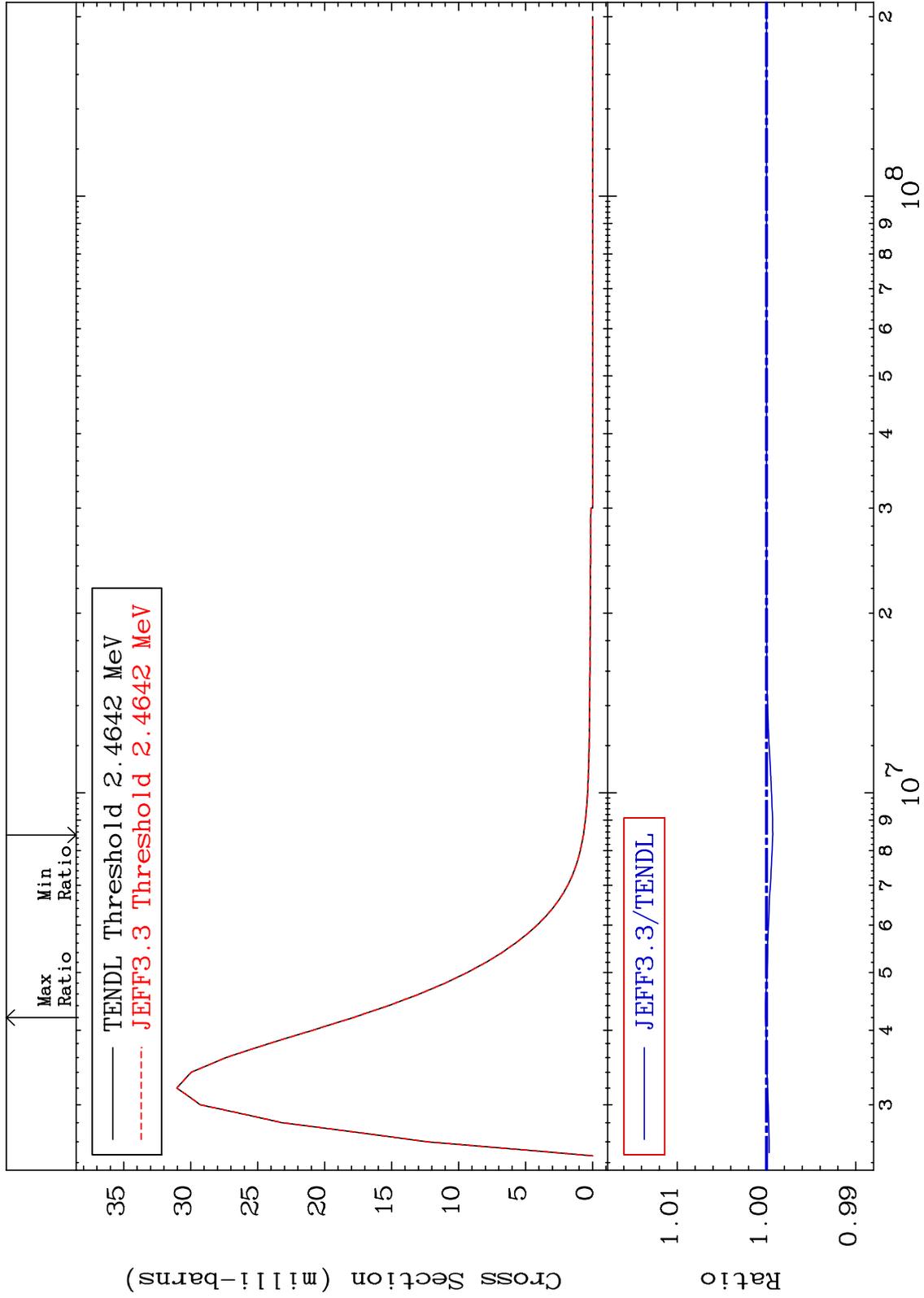
Incident Energy (eV)

31-Ga-69

MAT 3125

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

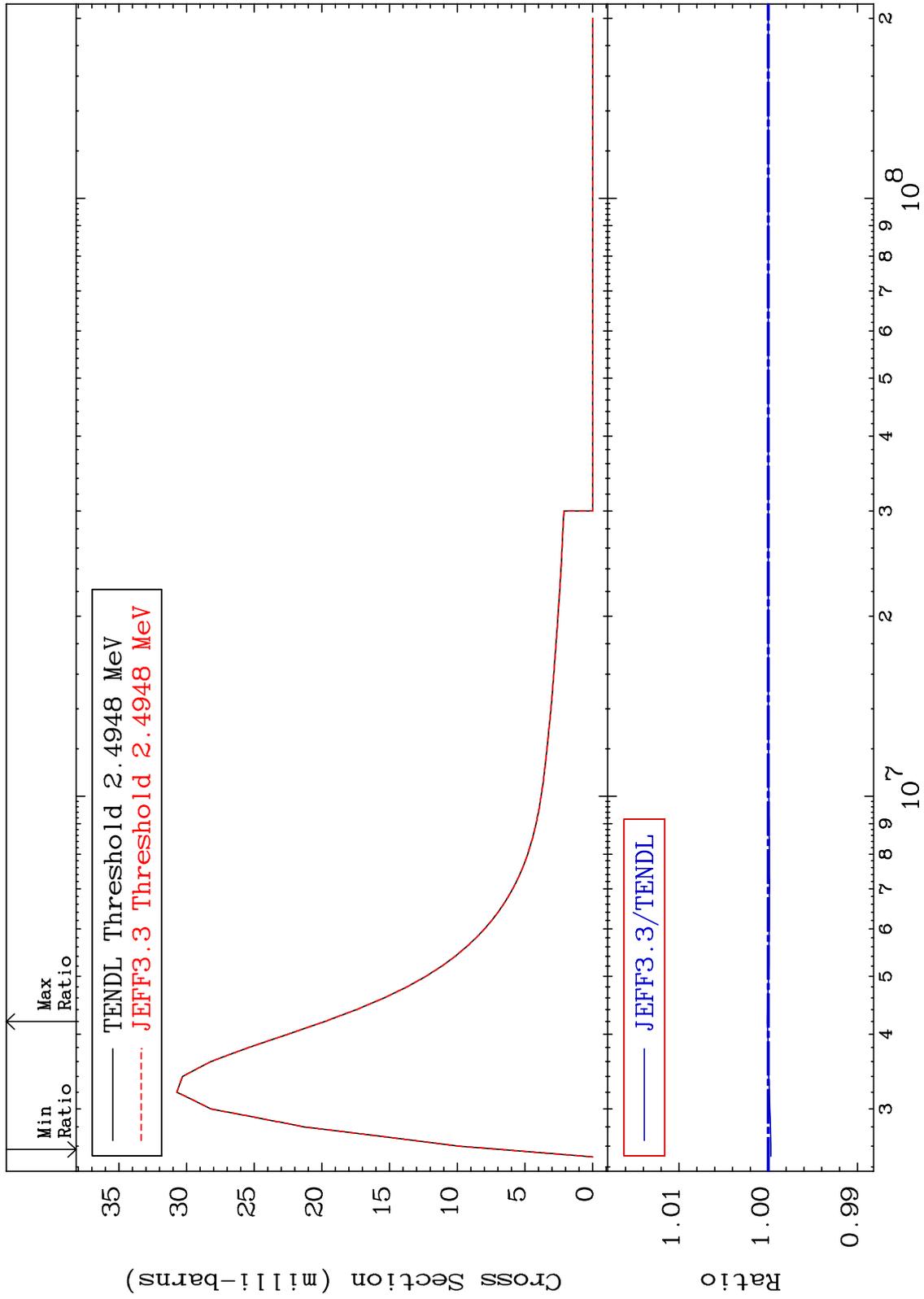
31-Ga-69
-0.069 To 0.010 %



MAT 3125

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

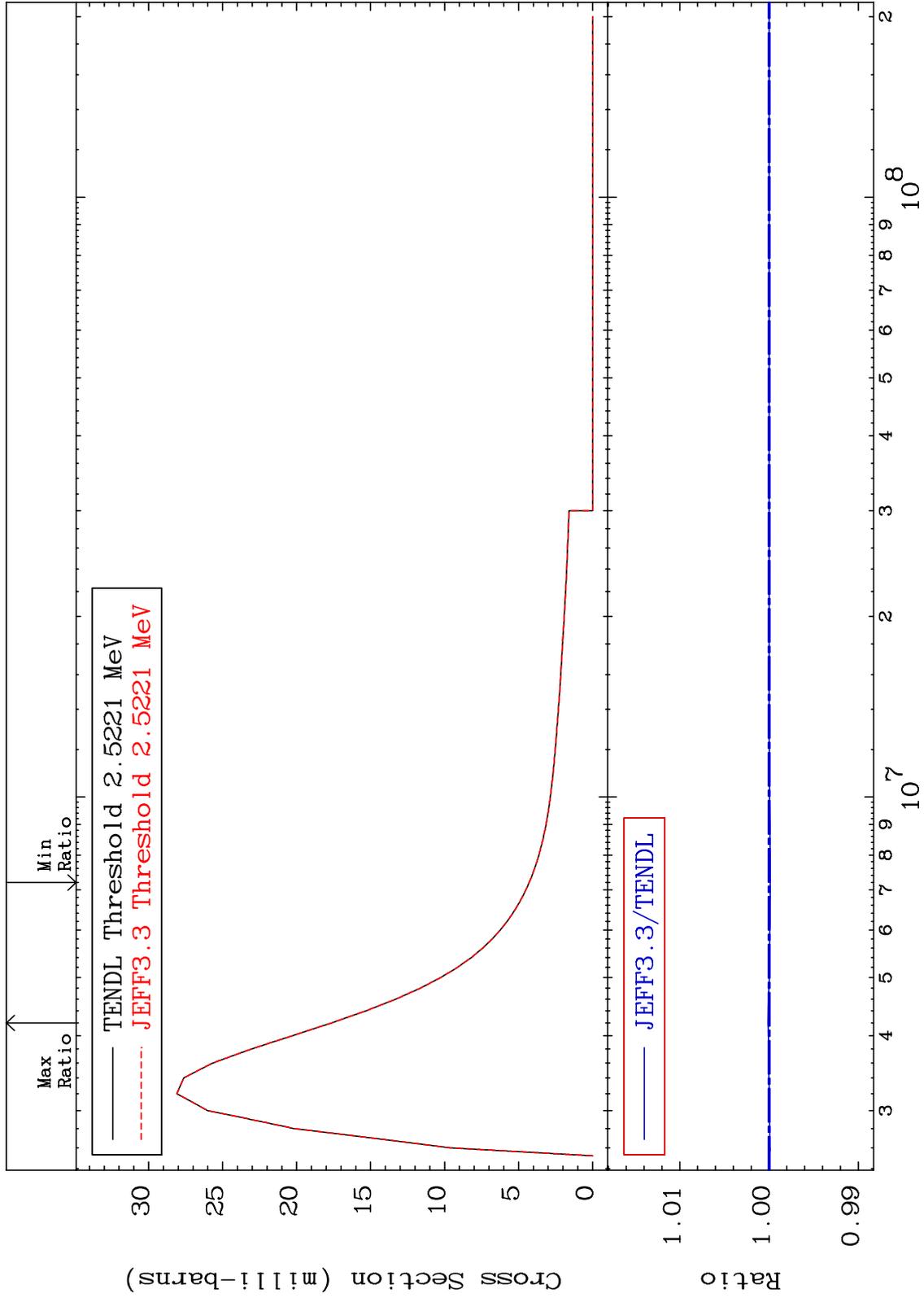
31-Ga-69
-0.029 To 0.009 %



MAT 3125

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

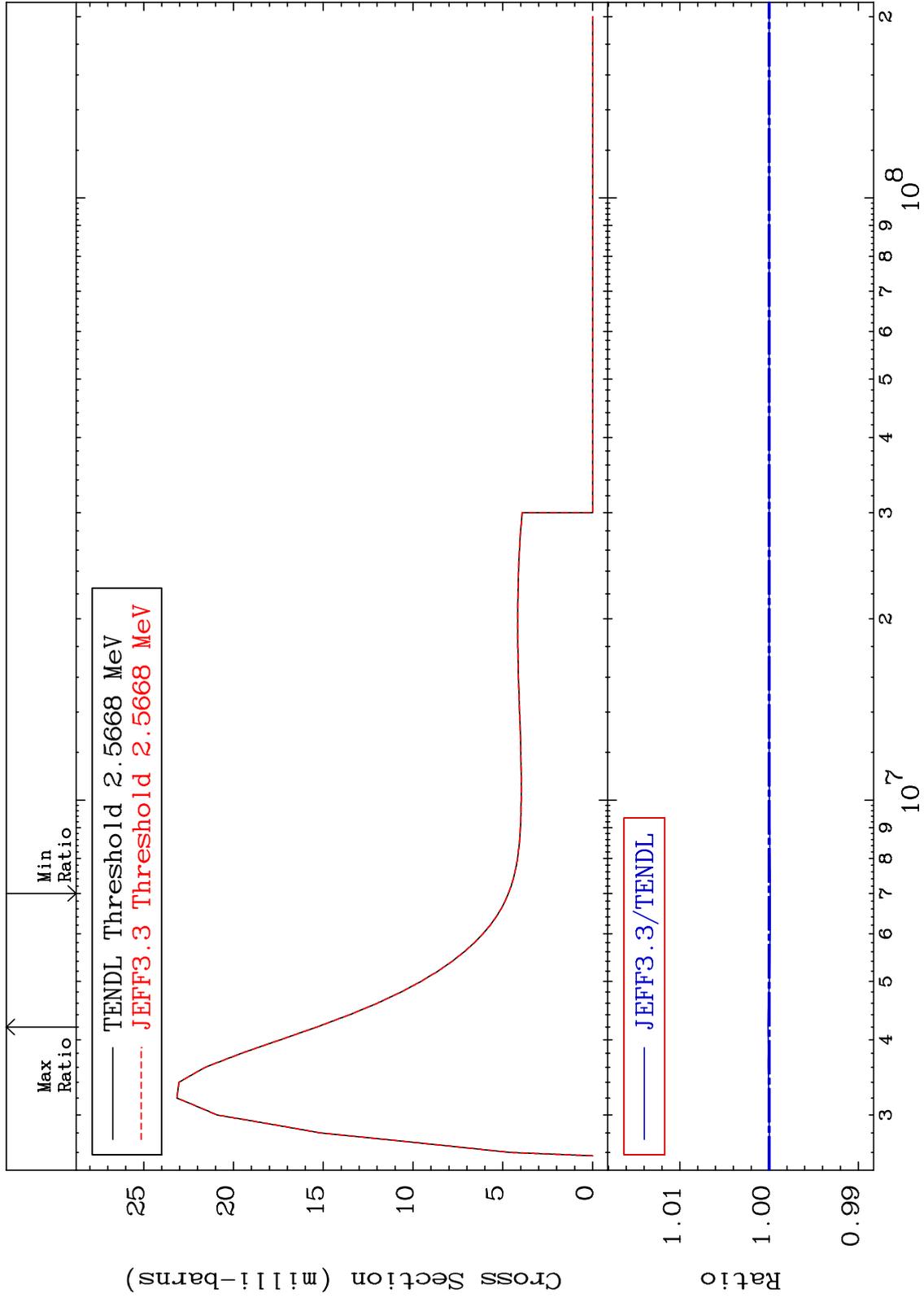
31-Ga-69
-0.014 To 0.011 %



MAT 3125

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

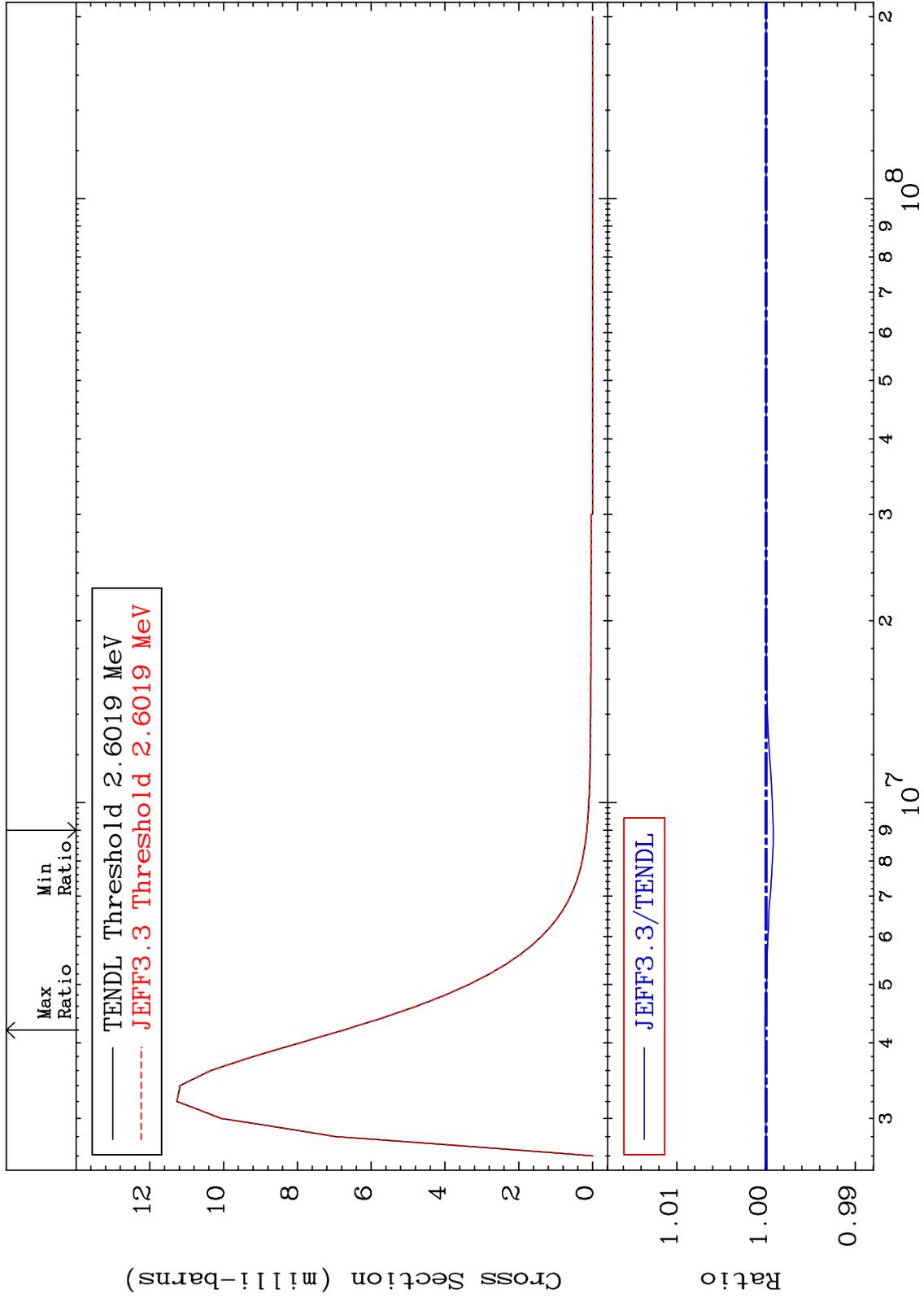
31-Ga-69
-0.013 To 0.011 %



MAT 3125

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

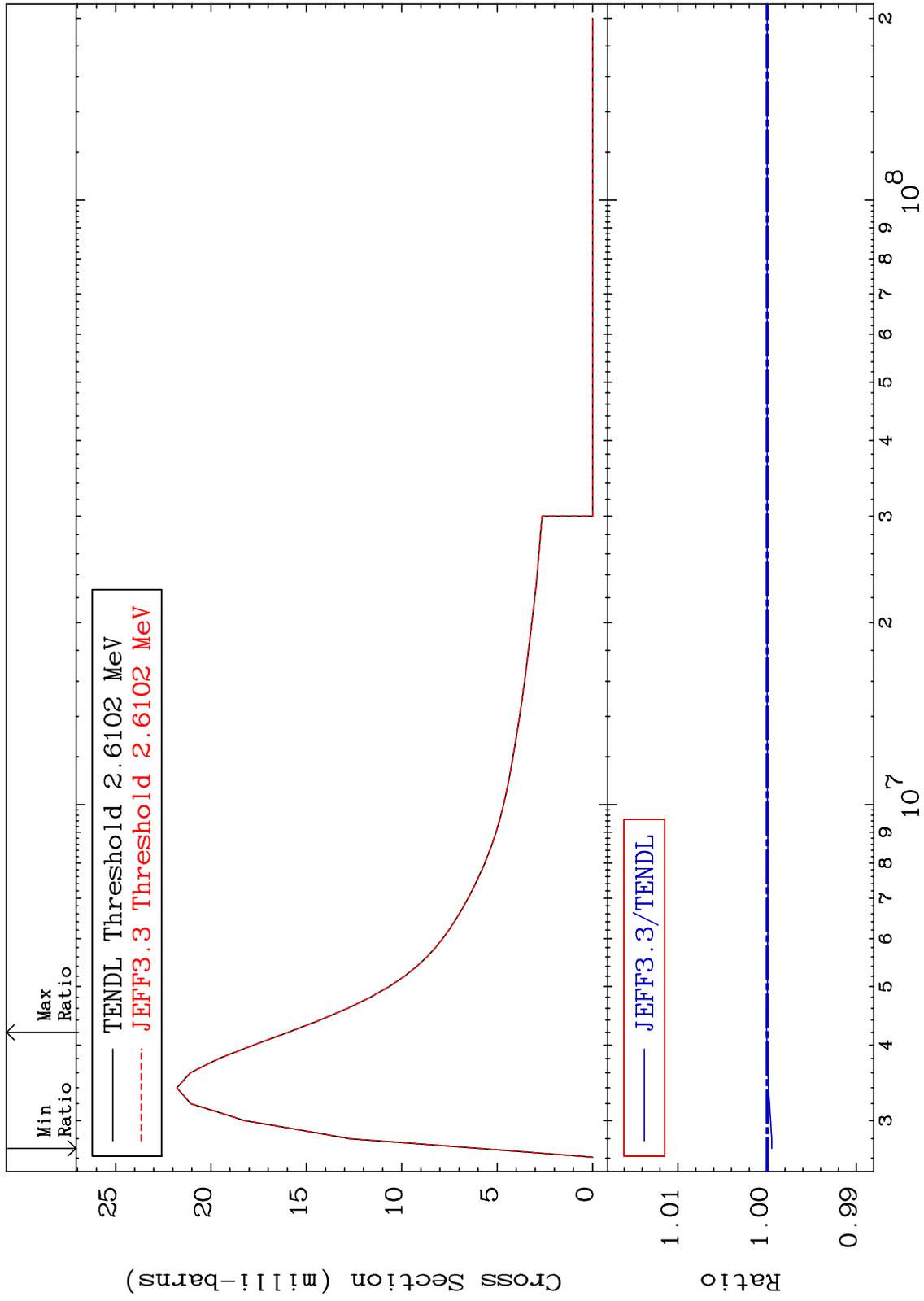
31-Ga-69
-0.081 To 0.013 %



MAT 3125

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

31-Ga-69
-0.052 To 0.006 %



46

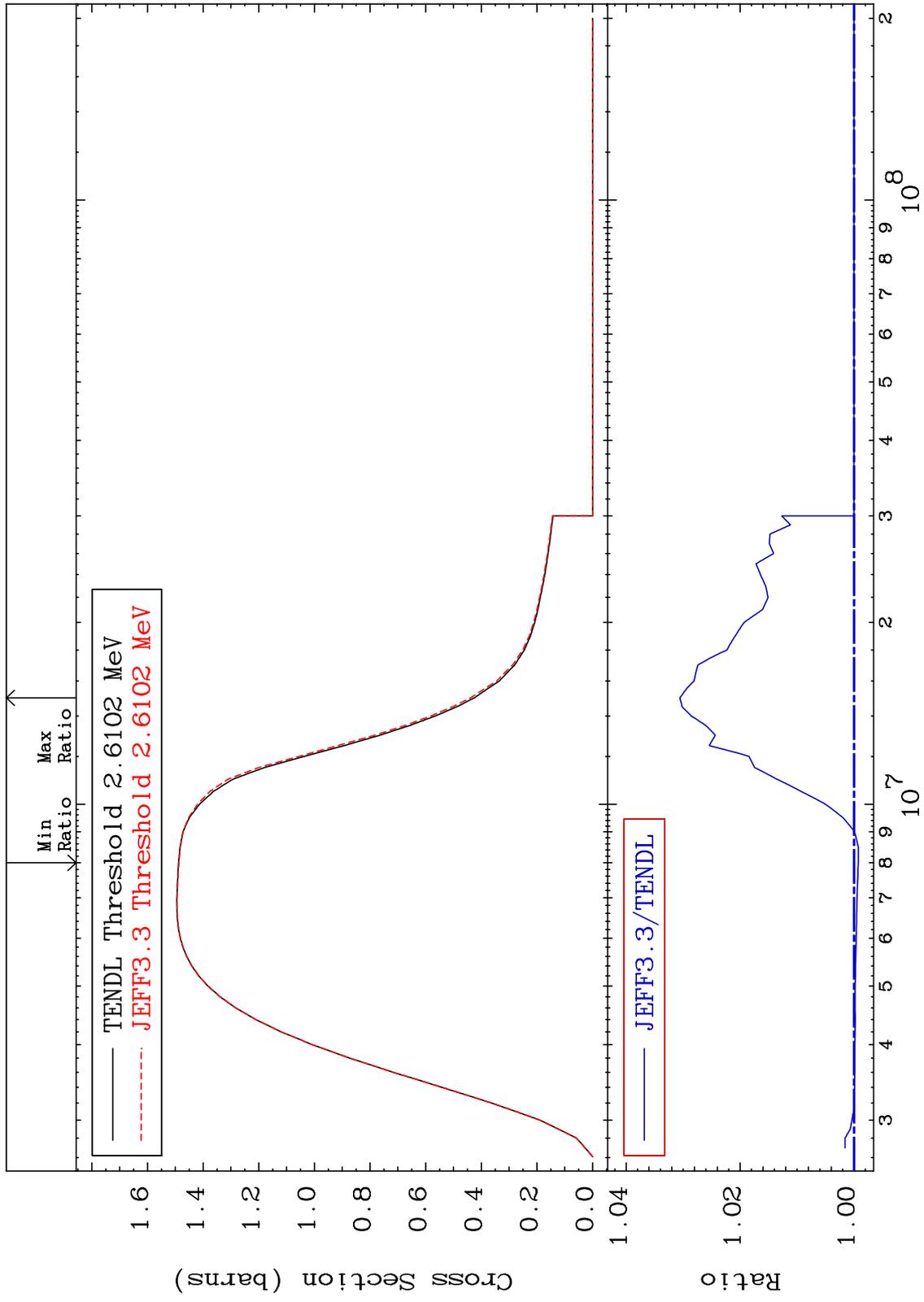
Incident Energy (eV)

31-Ga-69

MAT 3125

(n, n') Continuum
Cross Section

31-Ga-69
-0.076 To 3.056 %



47

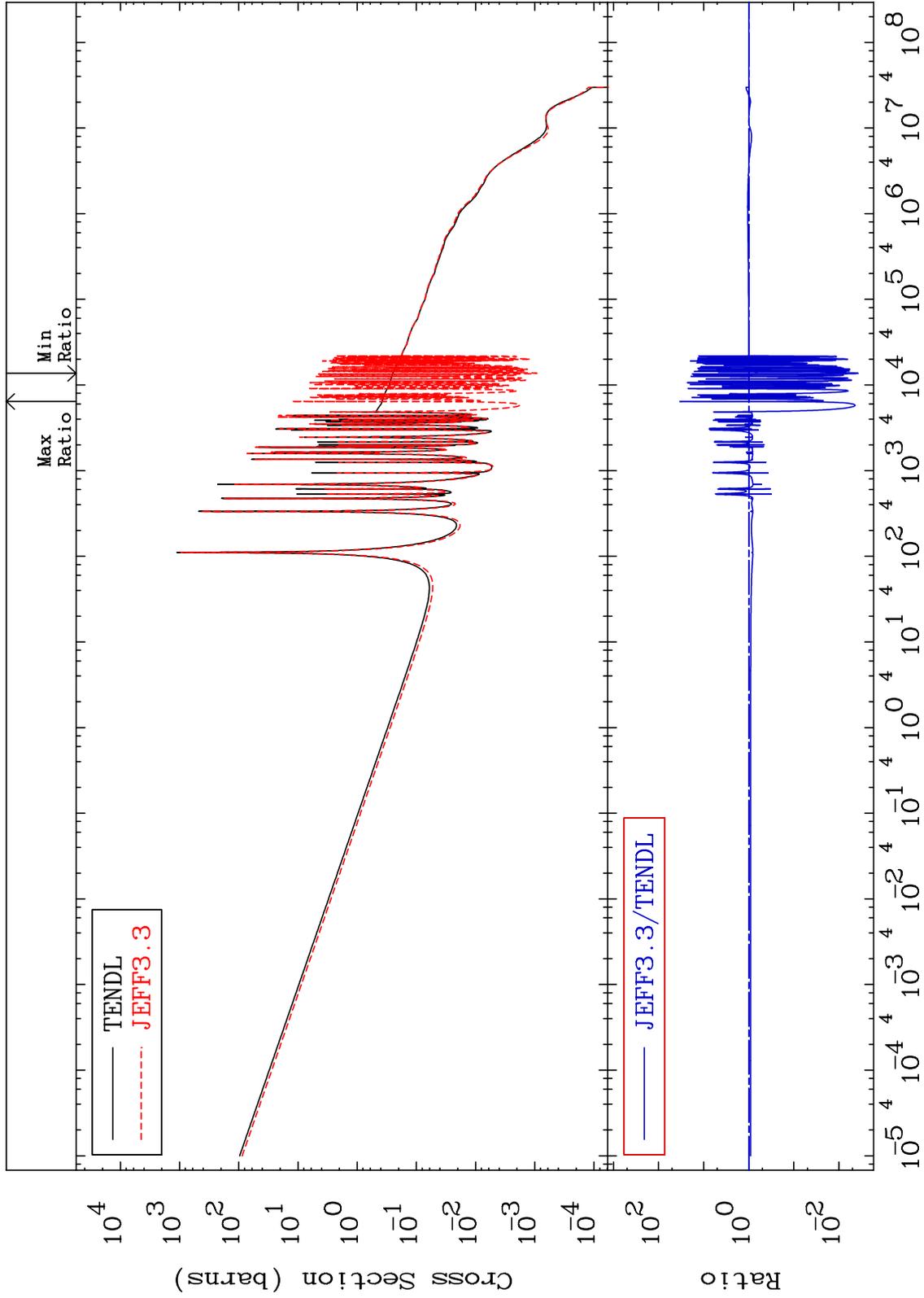
Incident Energy (eV)

31-Ga-69

MAT 3125

(n, γ)
Cross Section

31-Ga-69
-99.63 To 3255. %



48

Incident Energy (eV)

31-Ga-69

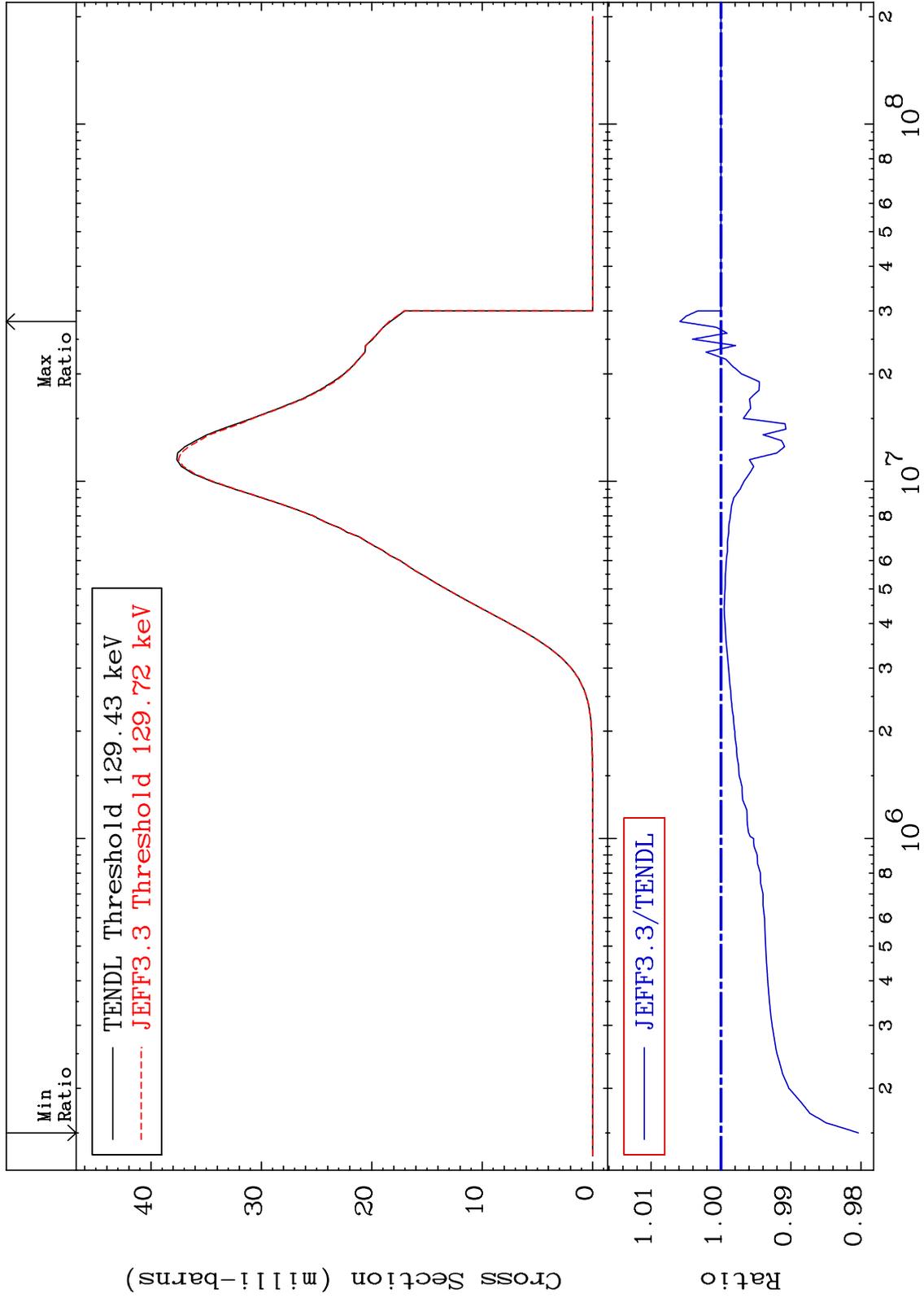
MAT 3125

(n,p)

31-Ga-69

Cross Section

-1.963 To 0.587 %



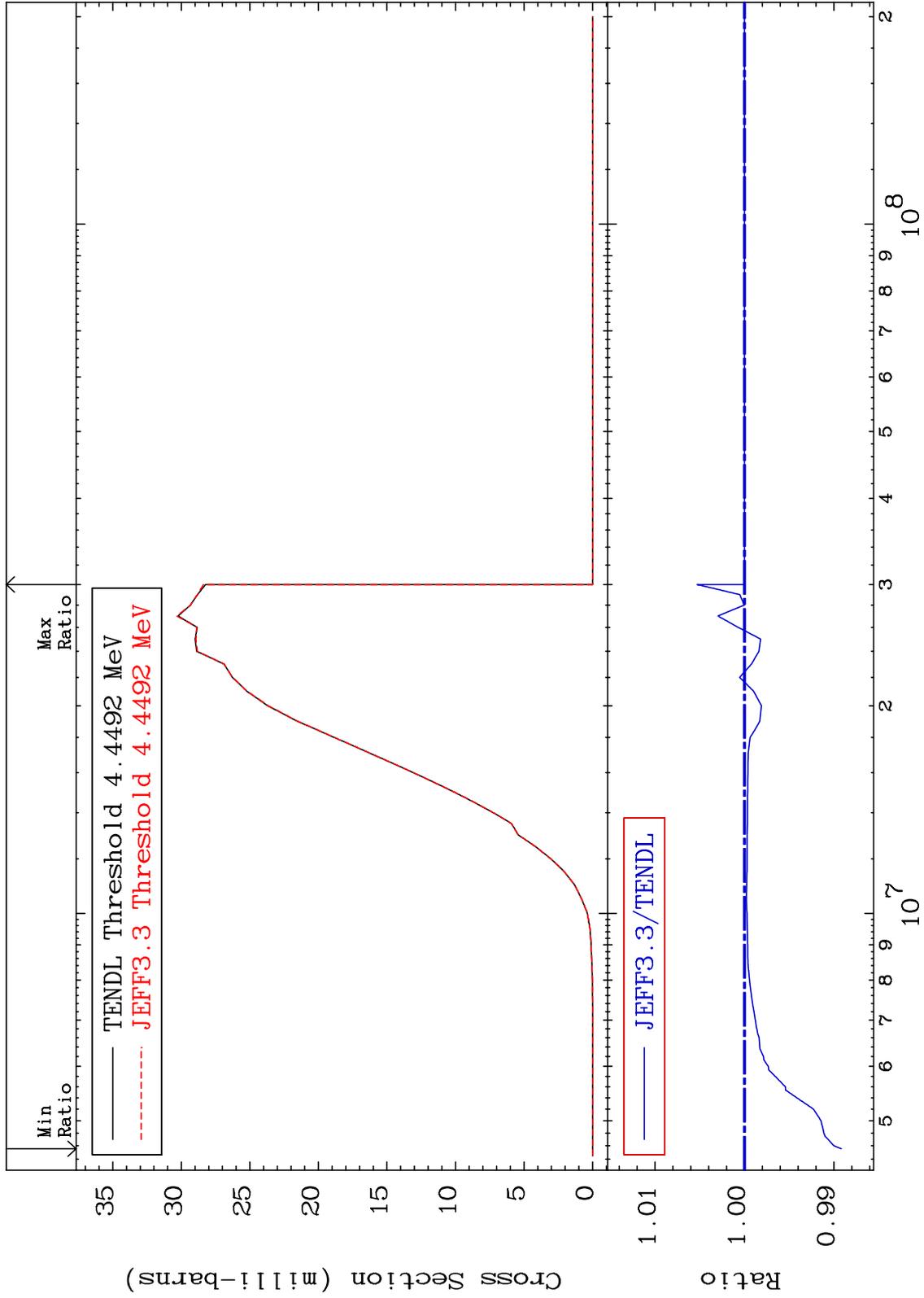
MAT 3125

(n, d)

31-Ga-69

Cross Section

-1.082 To 0.530 %



31-Ga-69

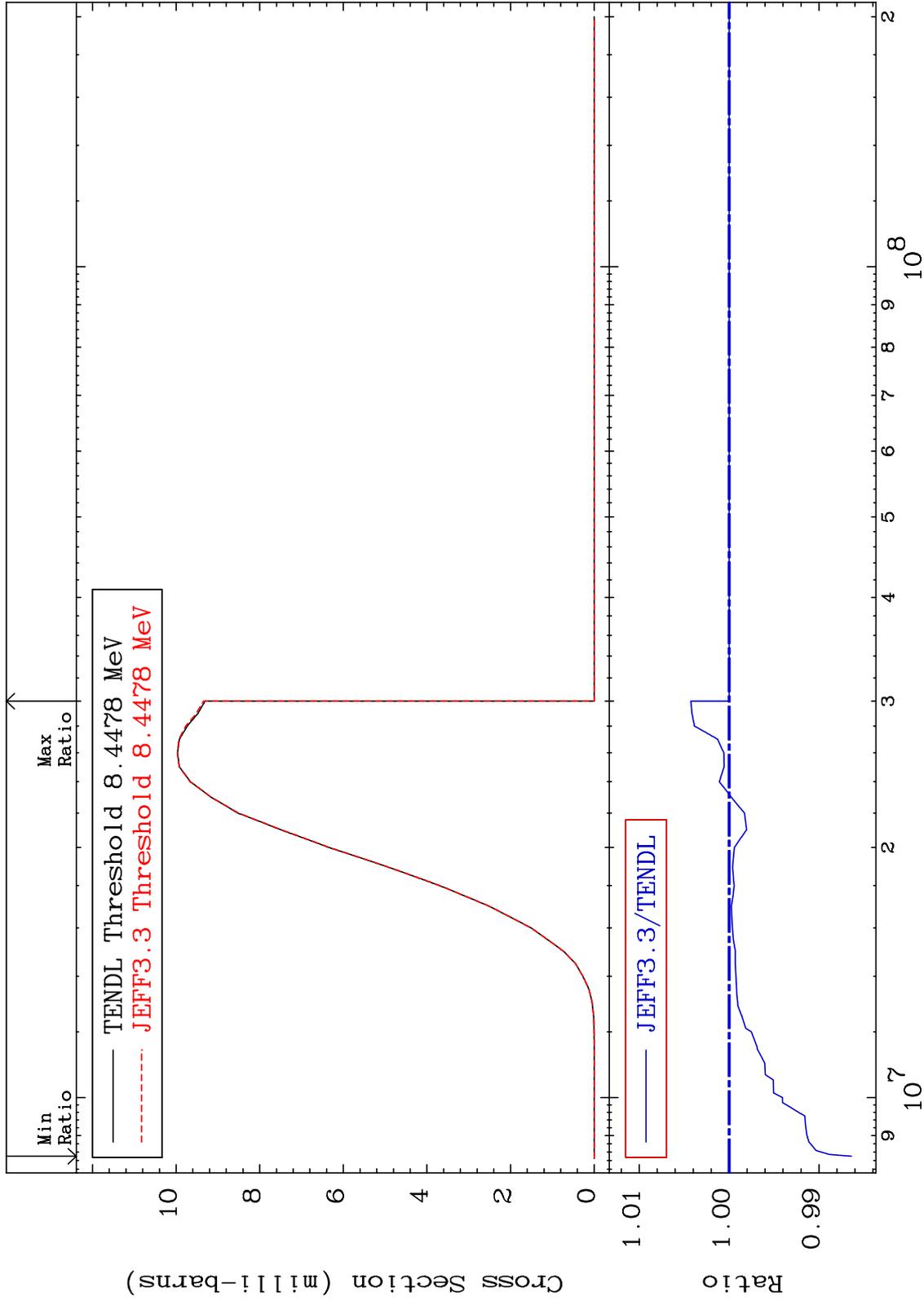
MAT 3125

(n, t)

31-Ga-69

-1.361 To 0.424 %

Cross Section



51

Incident Energy (eV)

31-Ga-69

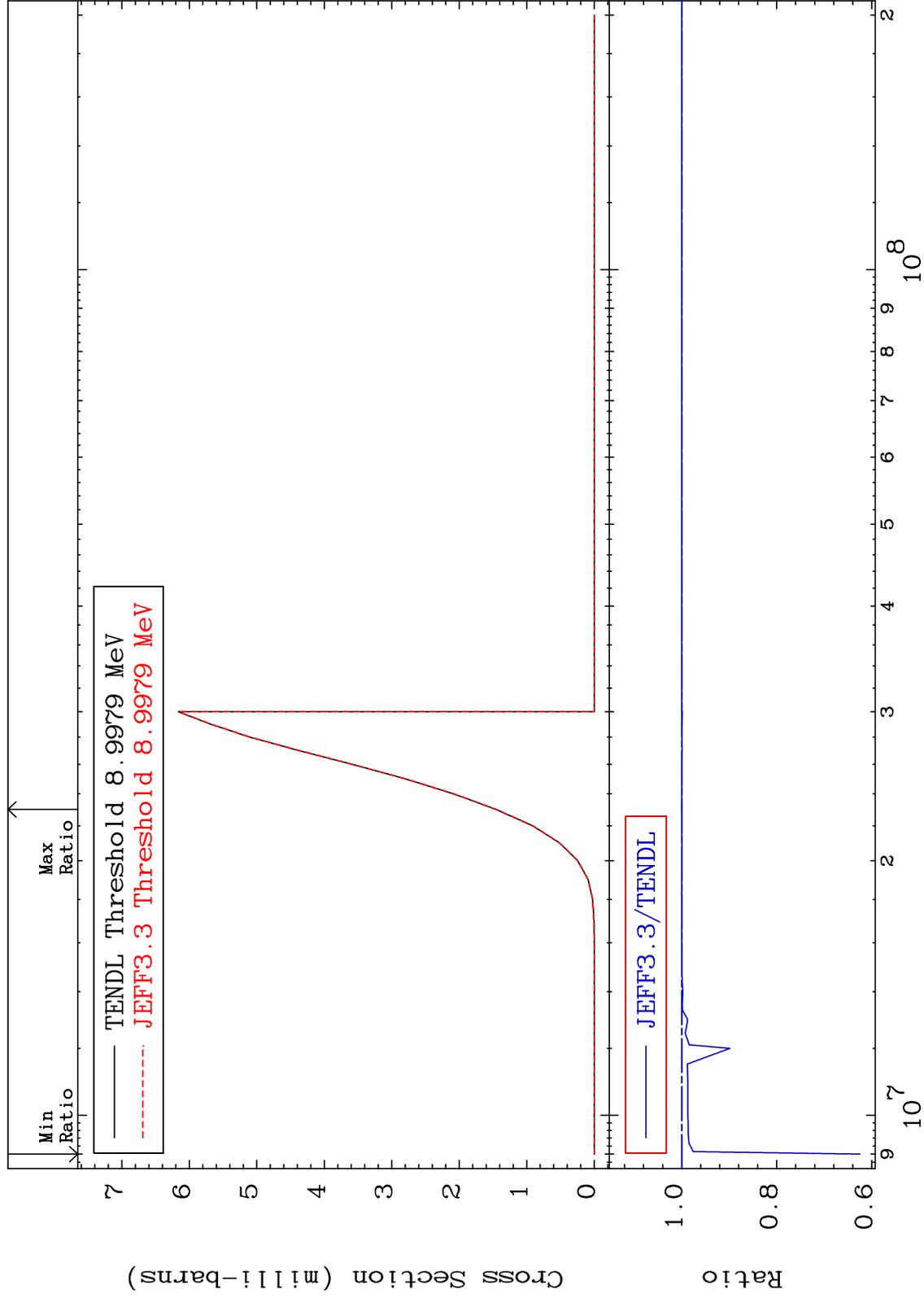
MAT 3125

(n, He-3)

31-Ga-69

Cross Section

-37.53 To 0.019 %



52

Incident Energy (eV)

31-Ga-69

MAT 3125

31-Ga-69

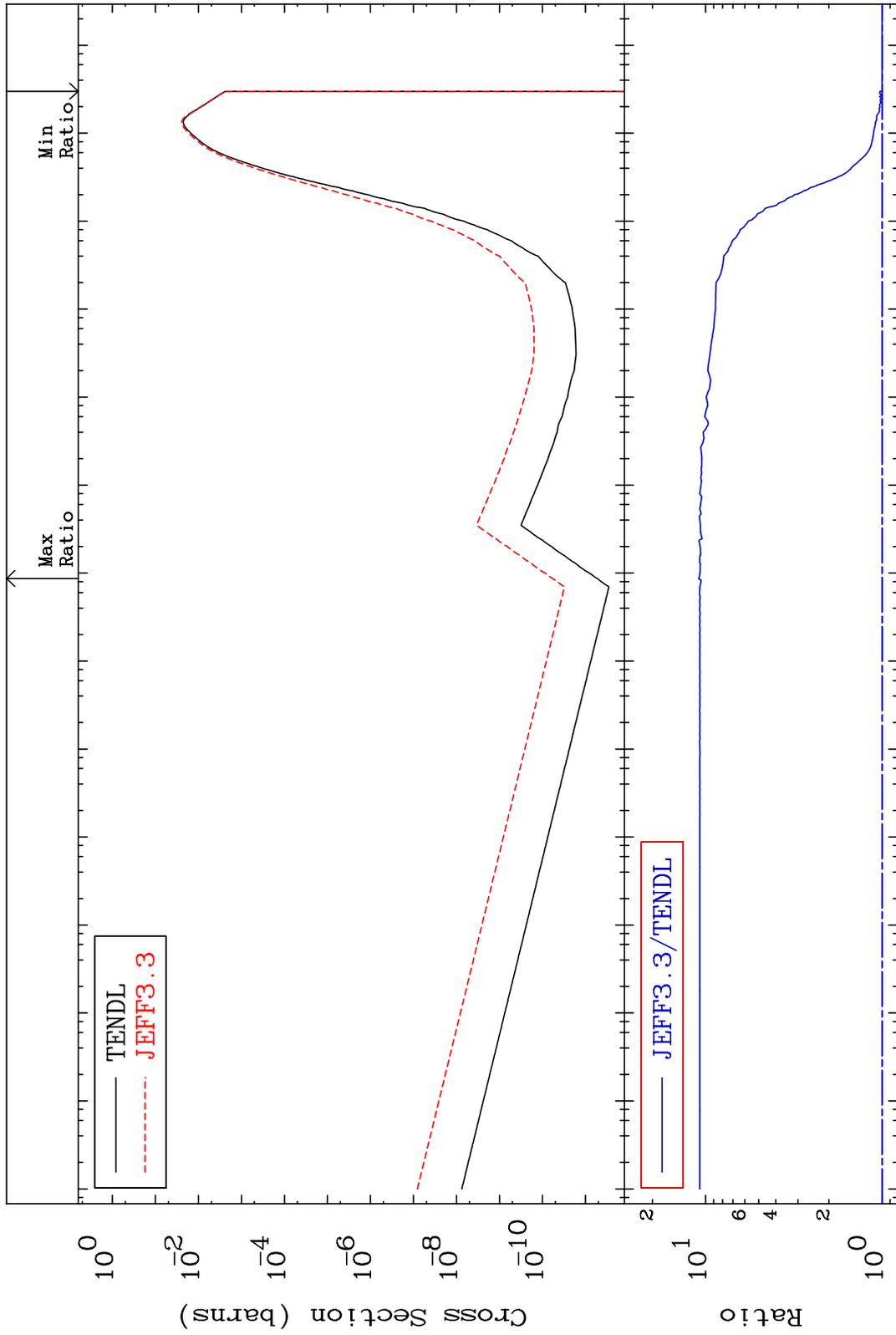
Cross Section

(n, α)

0.000 To 993.5 %

Min Ratio

Max Ratio



Incident Energy (eV)

53

31-Ga-69

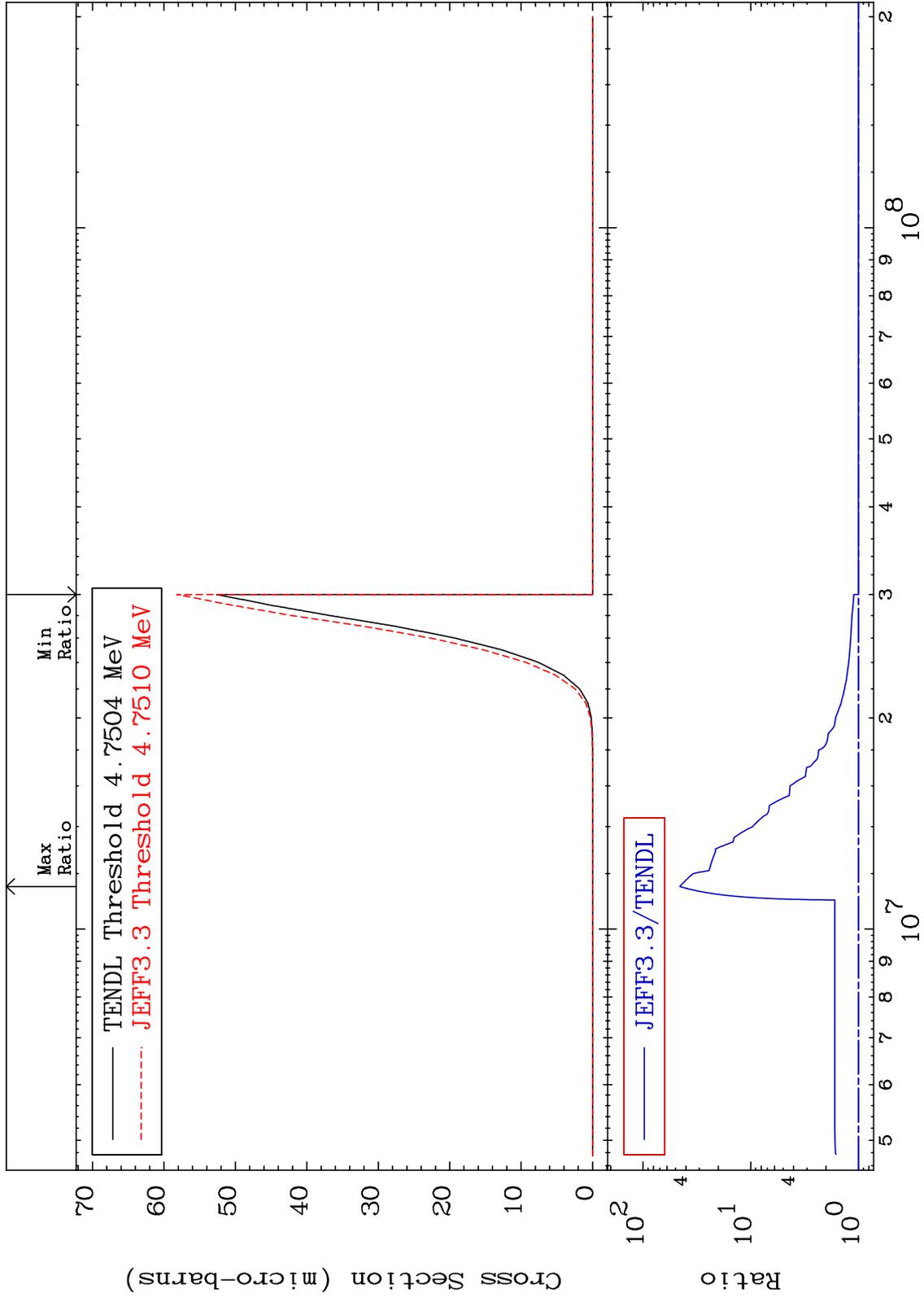
MAT 3125

(n, 2α)

31-Ga-69

0.000 To 4444. %

Cross Section



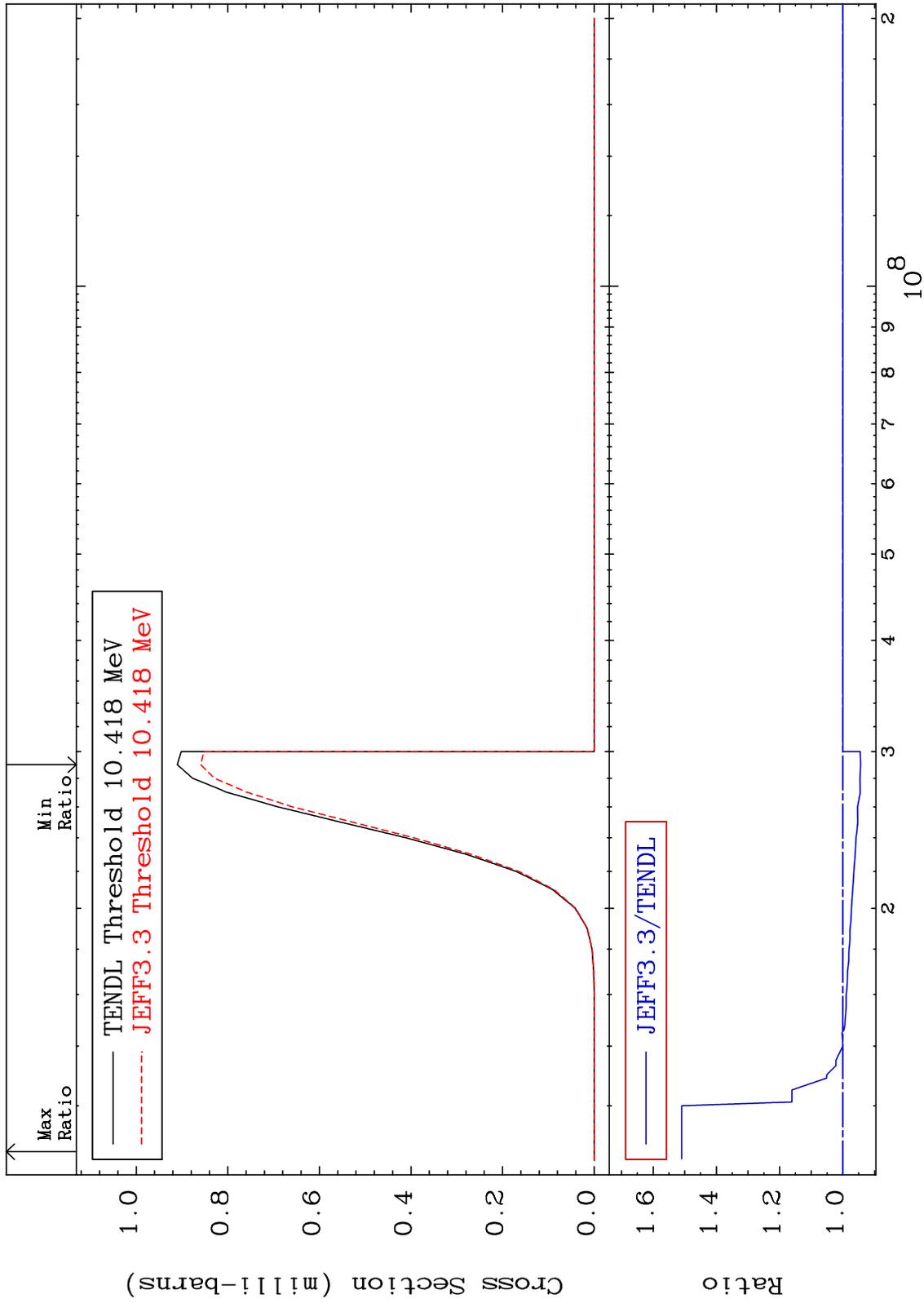
MAT 3125

(n,2p)

31-Ga-69

Cross Section

-5.622 To 50.95 %



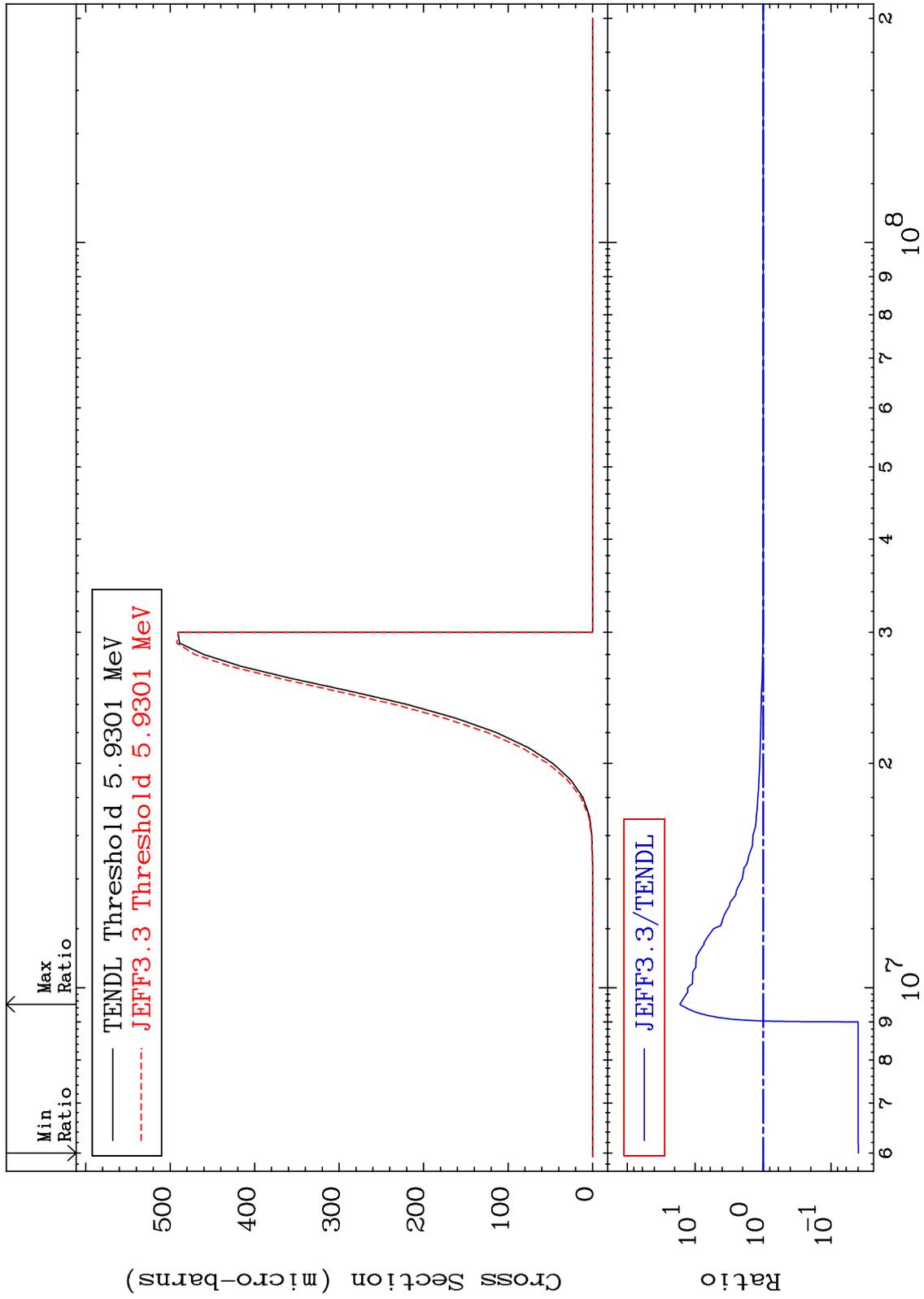
MAT 3125

(n,p) α

31-Ga-69

Cross Section

-96.03 To 1576. %



56

Incident Energy (eV)

31-Ga-69

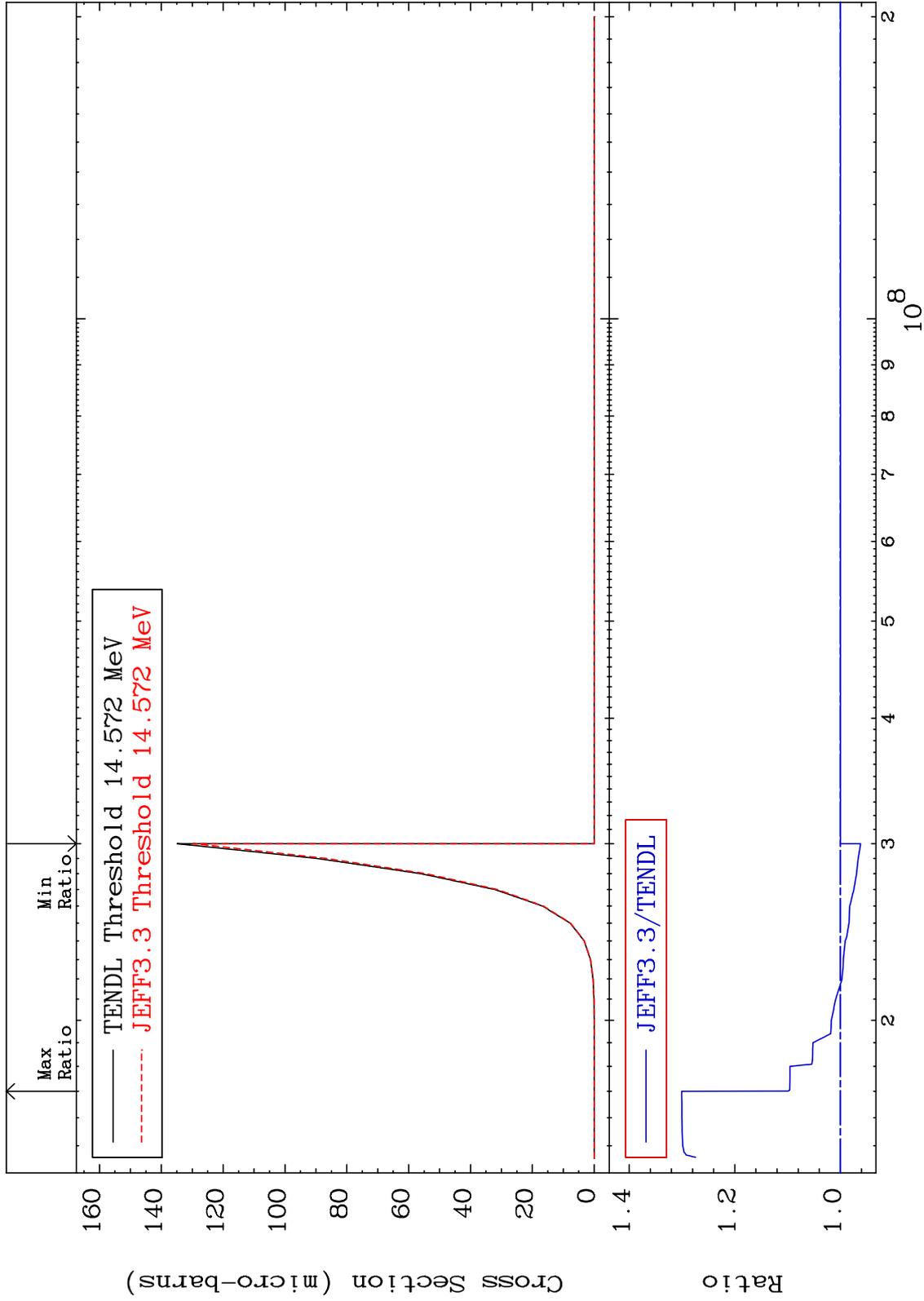
MAT 3125

(n,p) d

31-Ga-69

Cross Section

-3.836 To 30.05 %



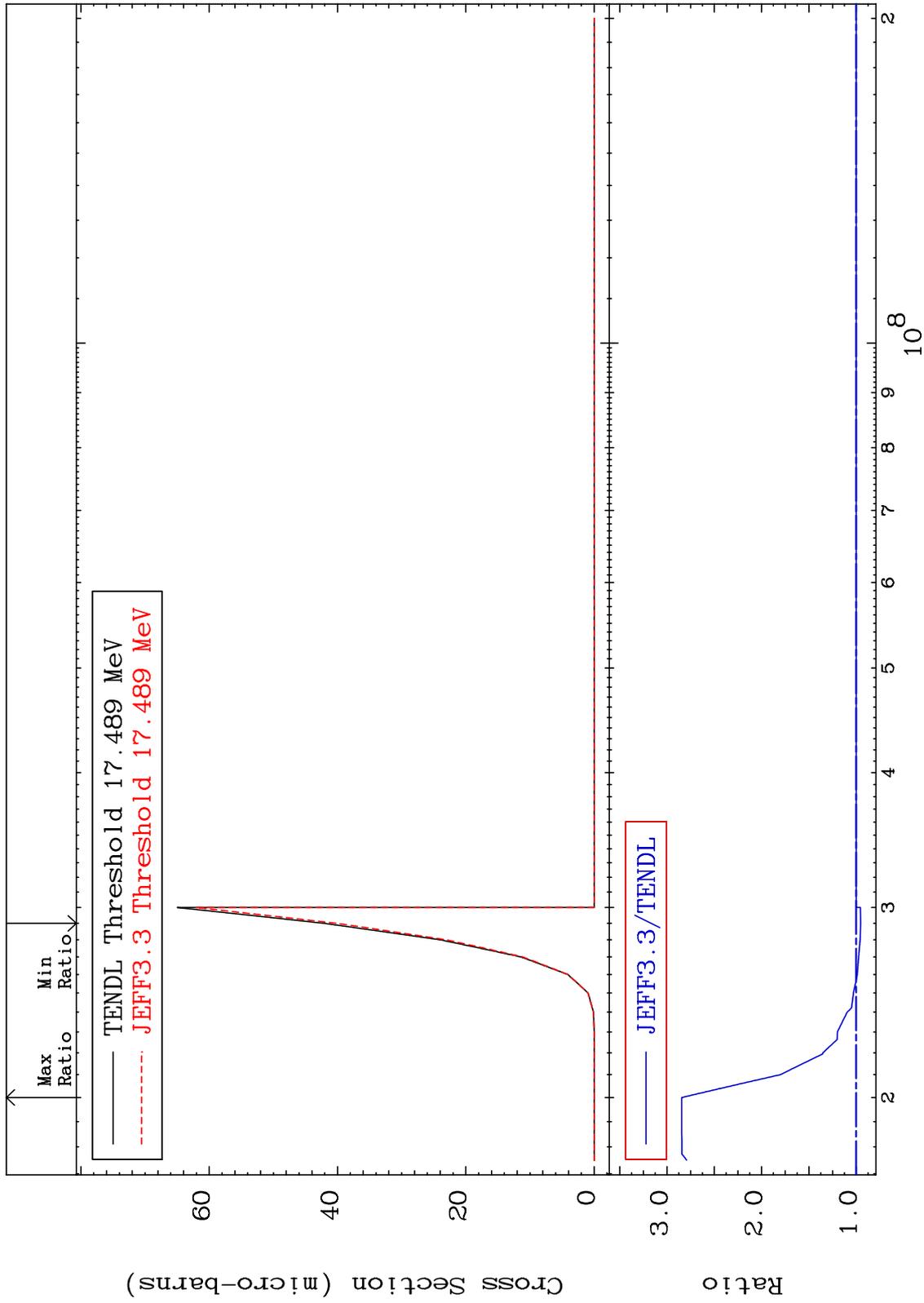
MAT 3125

(n,p) t

31-Ga-69

Cross Section

-4.791 To 184.5 %



58

Incident Energy (eV)

31-Ga-69

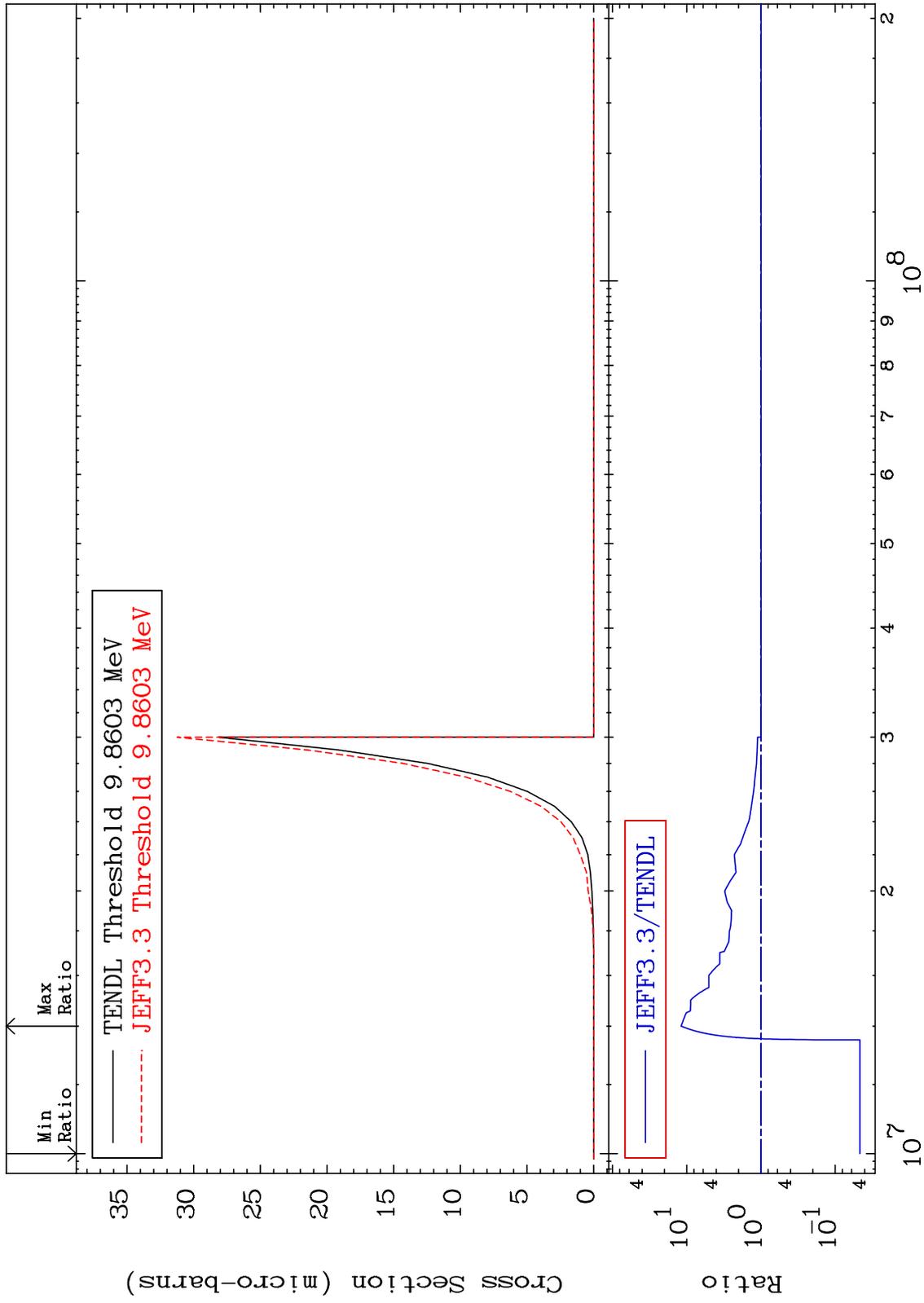
MAT 3125

(n,d) α

31-Ga-69

Cross Section

-95.35 To 1090. %



59

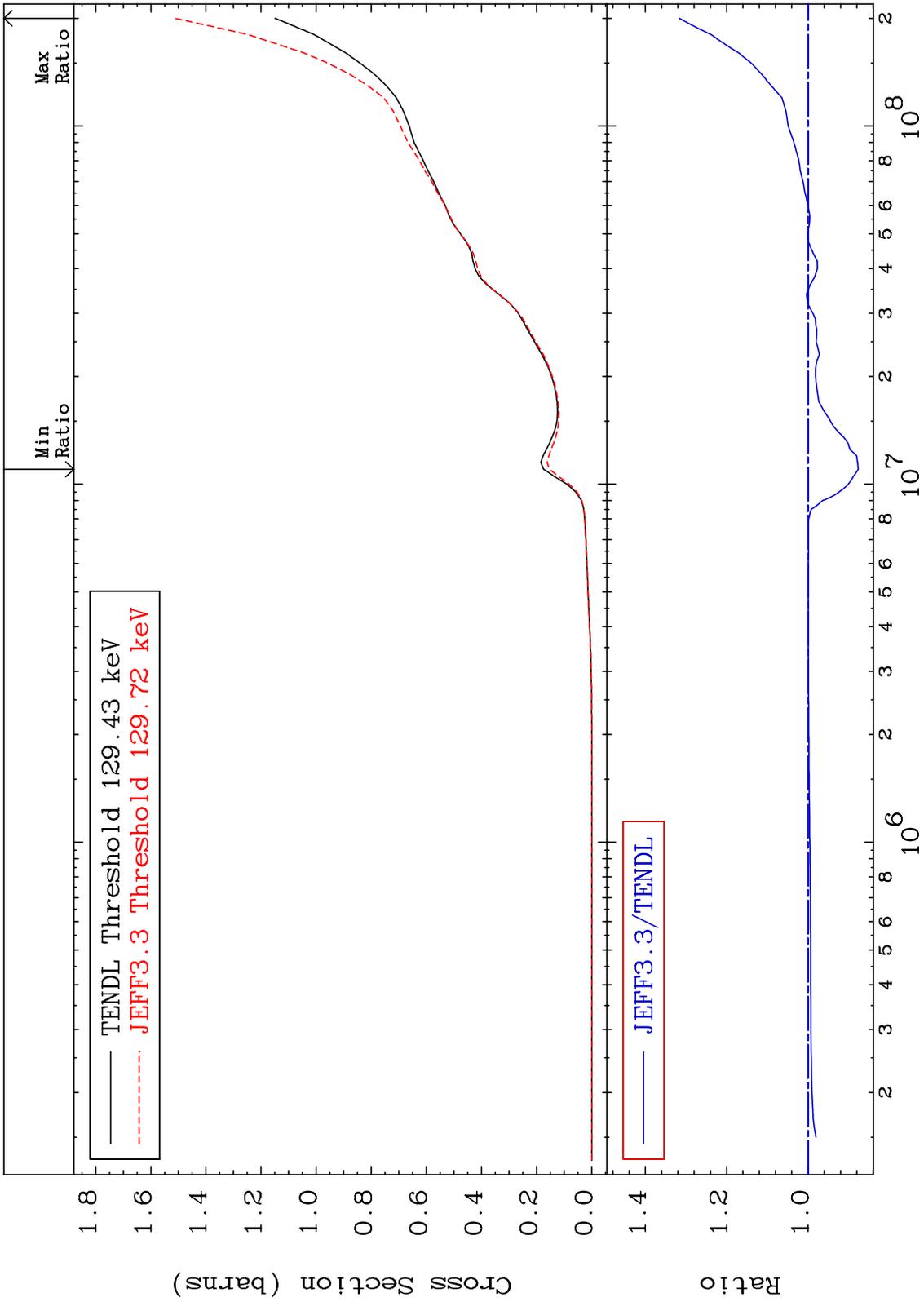
Incident Energy (eV)

31-Ga-69

MAT 3125

Hydrogen Production
Cross Section

31-Ga-69
-12.34 To 31.66 %



60

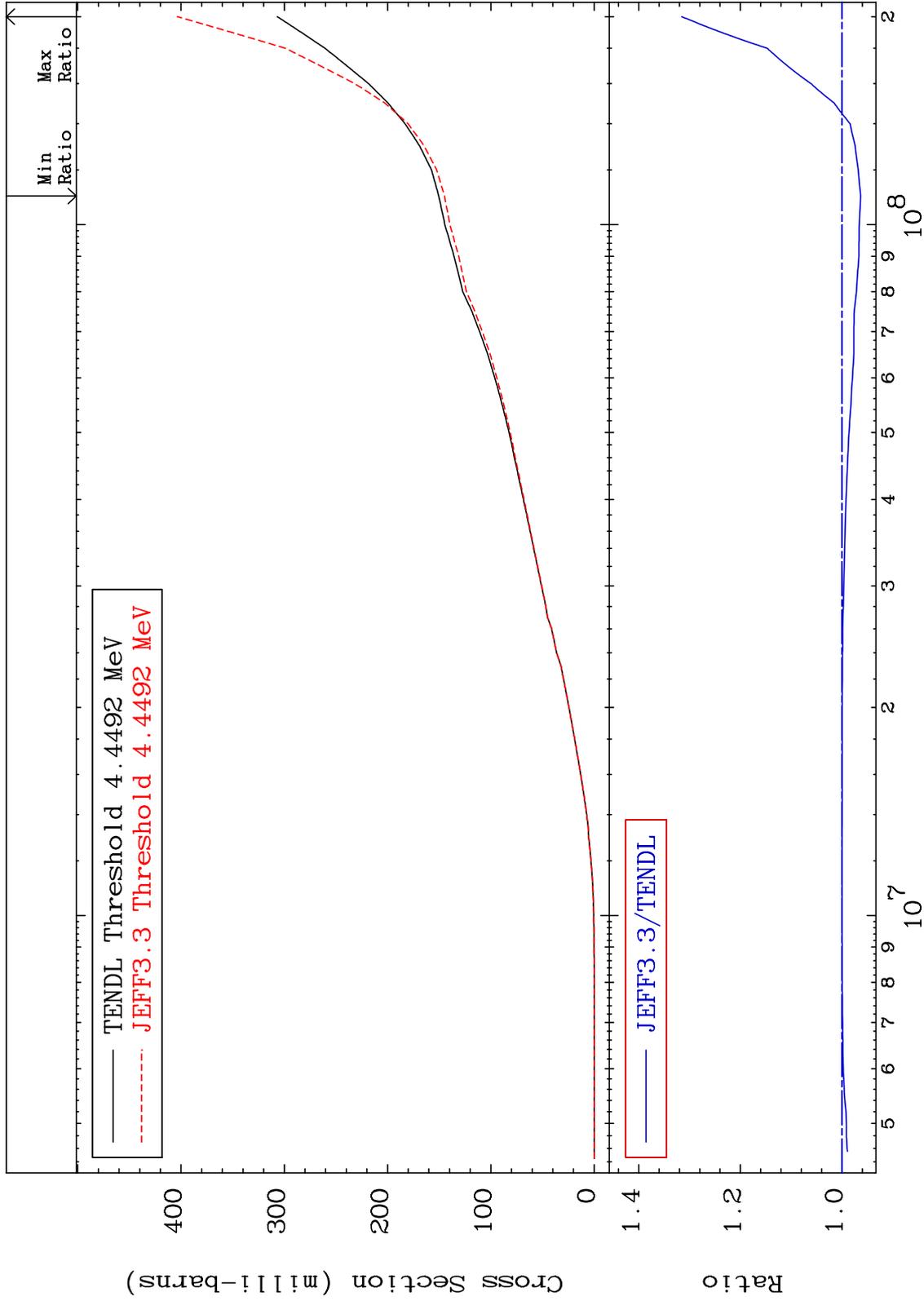
Incident Energy (eV)

31-Ga-69

MAT 3125

Deuterium Production
Cross Section

31-Ga-69
-3.681 To 31.54 %



61

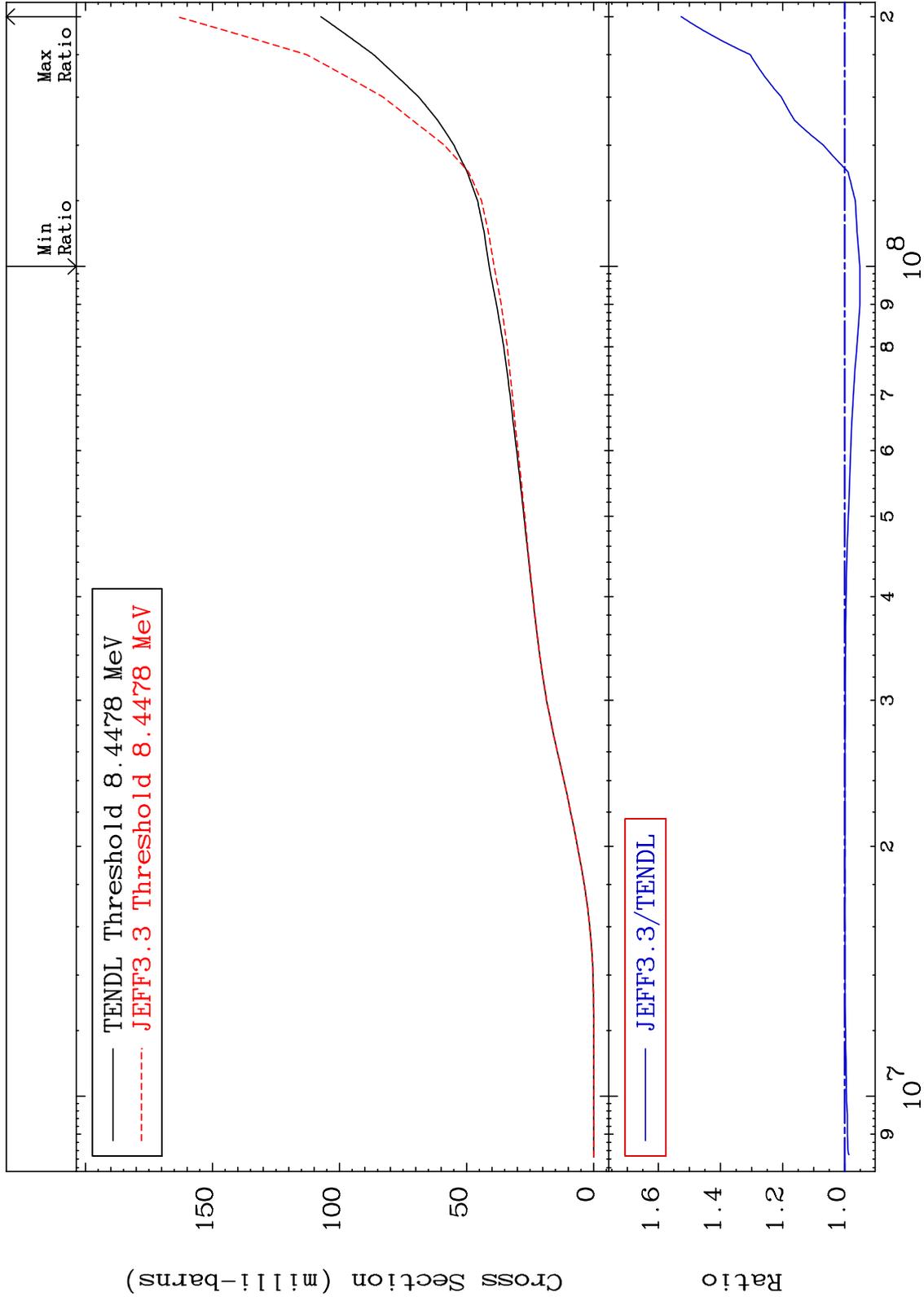
Incident Energy (eV)

31-Ga-69

MAT 3125

Tritium Production
Cross Section

31-Ga-69
-4.866 To 52.67 %



62

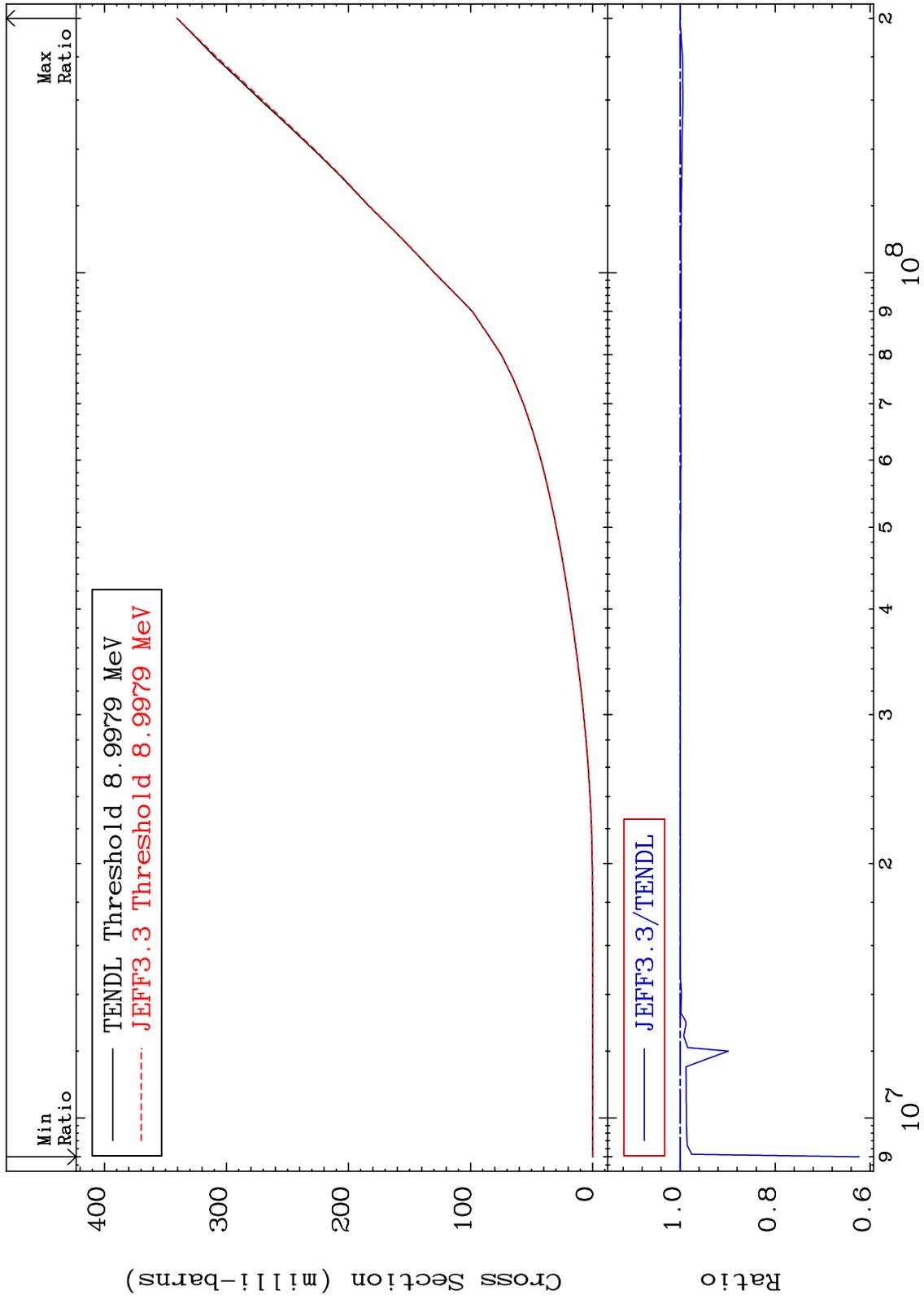
Incident Energy (eV)

31-Ga-69

MAT 3125

He-3 Production
Cross Section

31-Ga-69
-37.53 To 0.045 %



63

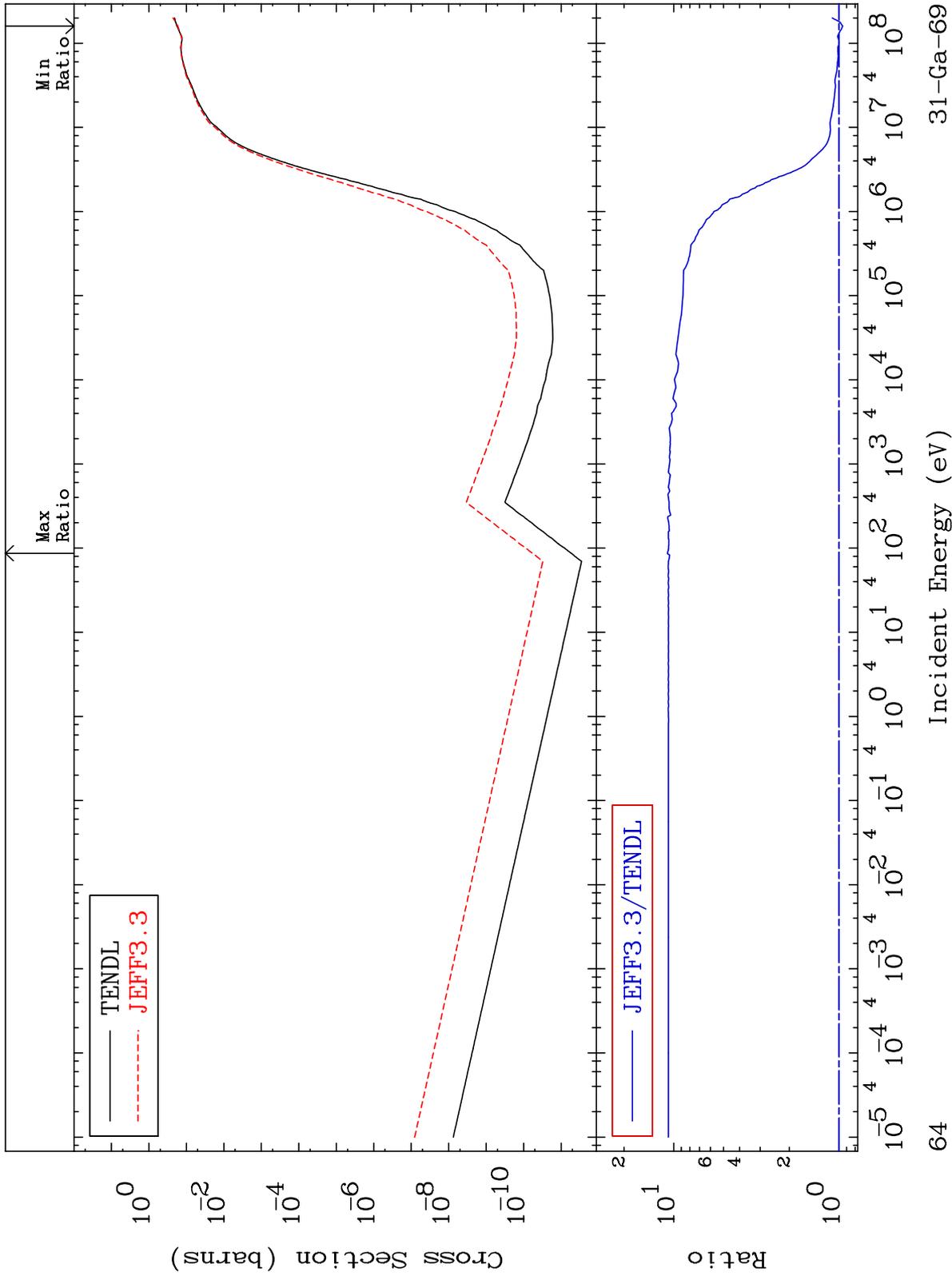
Incident Energy (eV)

31-Ga-69

MAT 3125

He-4 Production
Cross Section

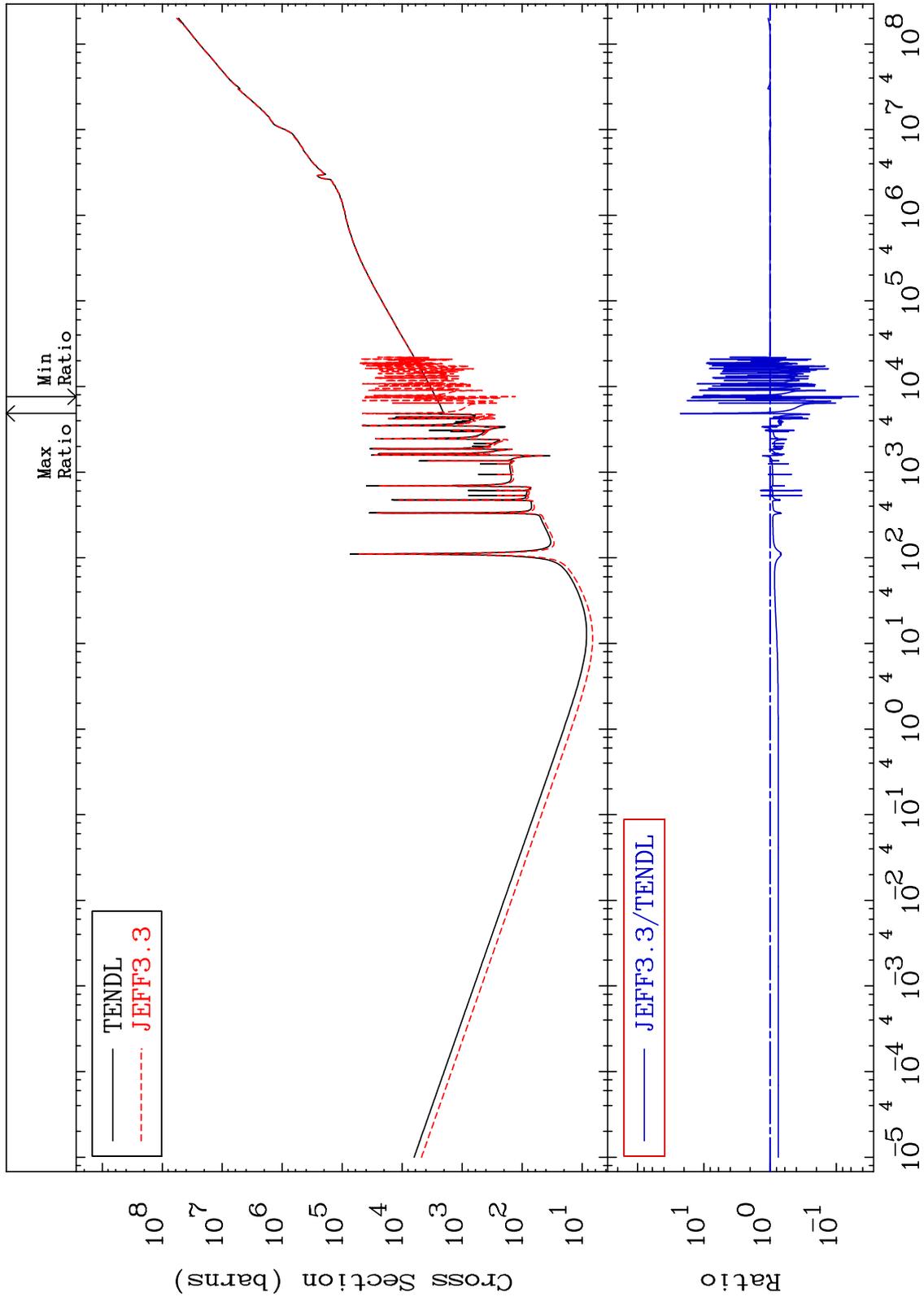
31-Ga-69
-5.056 To 993.5 %



MAT 3125

Kerma total (eV-barns)
Cross Section

31-Ga-69
-95.36 To 2198. %



65

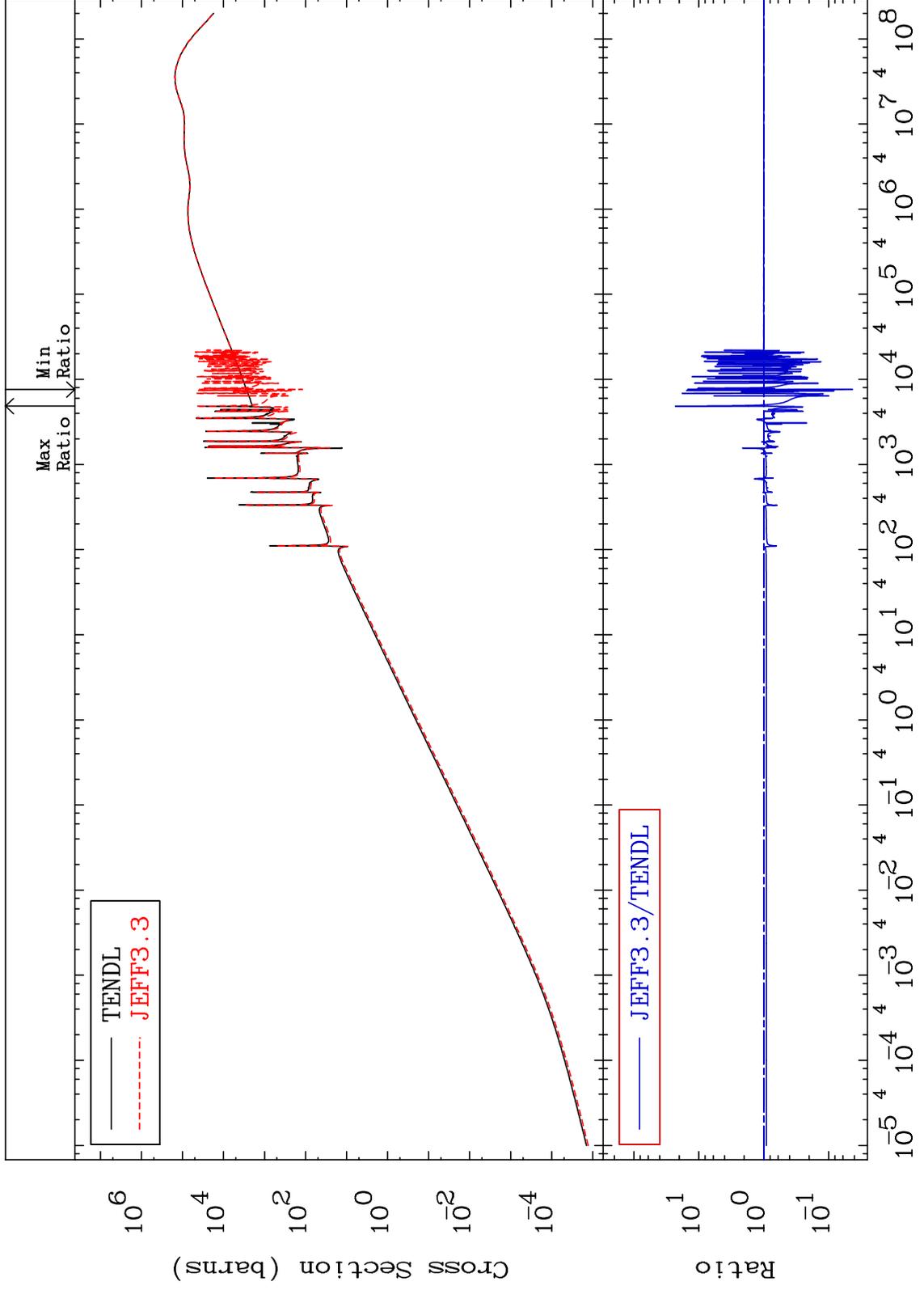
Incident Energy (eV)

31-Ga-69

MAT 3125

Kerma elastic
Cross Section

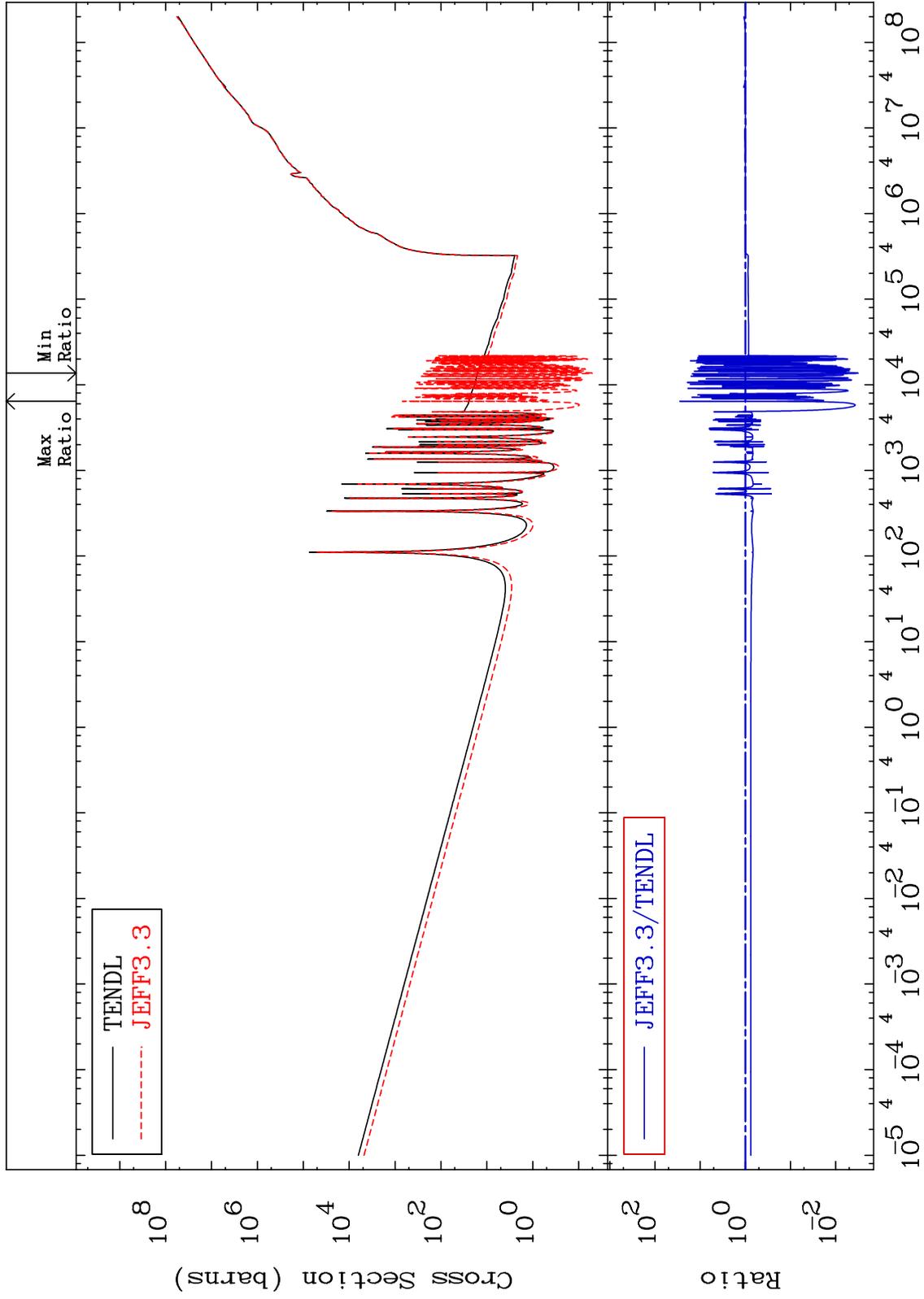
31-Ga-69
-95.68 To 2226. %



MAT 3125

Kerma non-elastic (all but mt2)
Cross Section

31-Ga-69
-99.69 To 2697. %



67

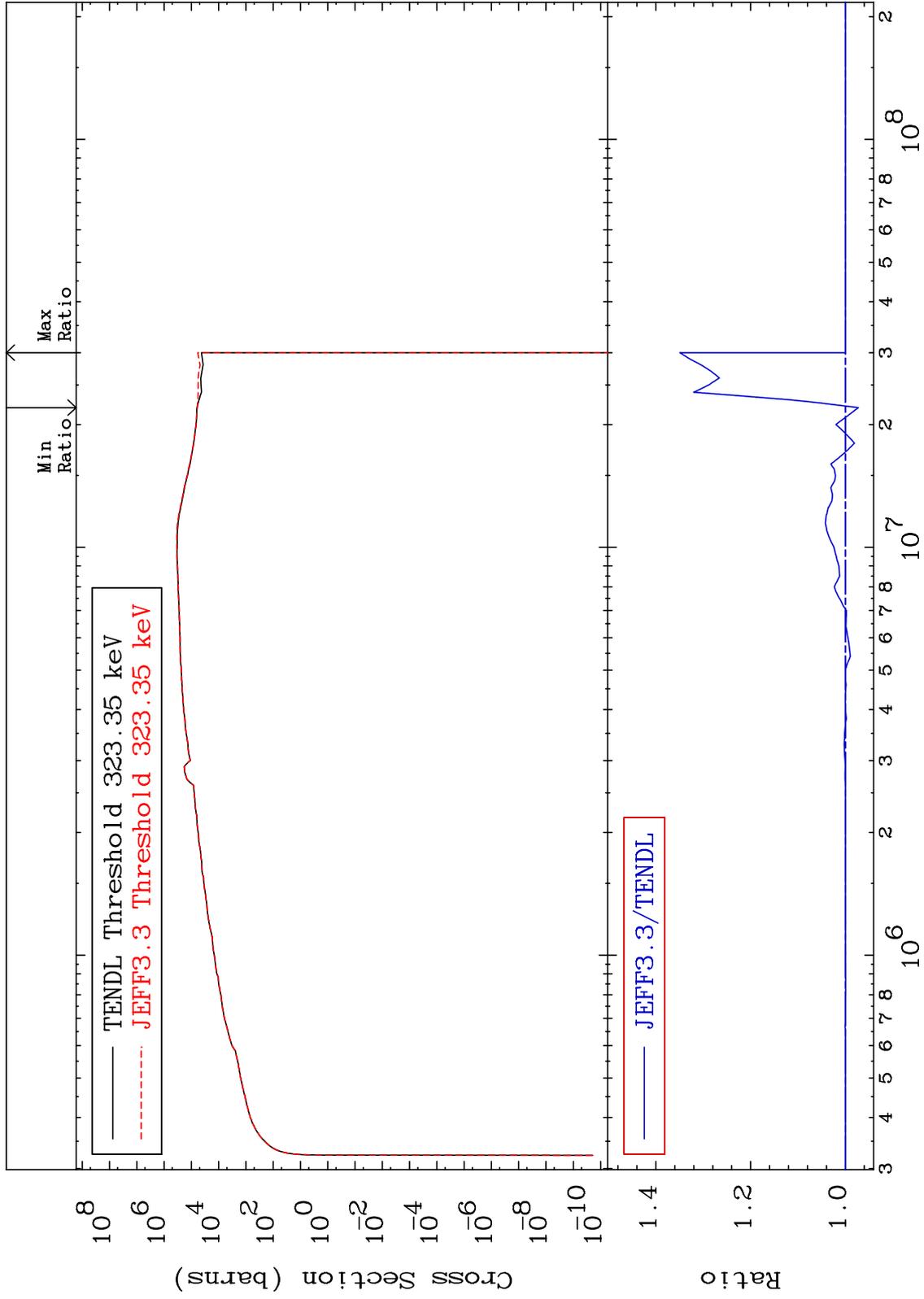
Incident Energy (eV)

31-Ga-69

MAT 3125

Kerma inelastic (mt51-91)
Cross Section

31-Ga-69
-2.748 To 34.92 %



68

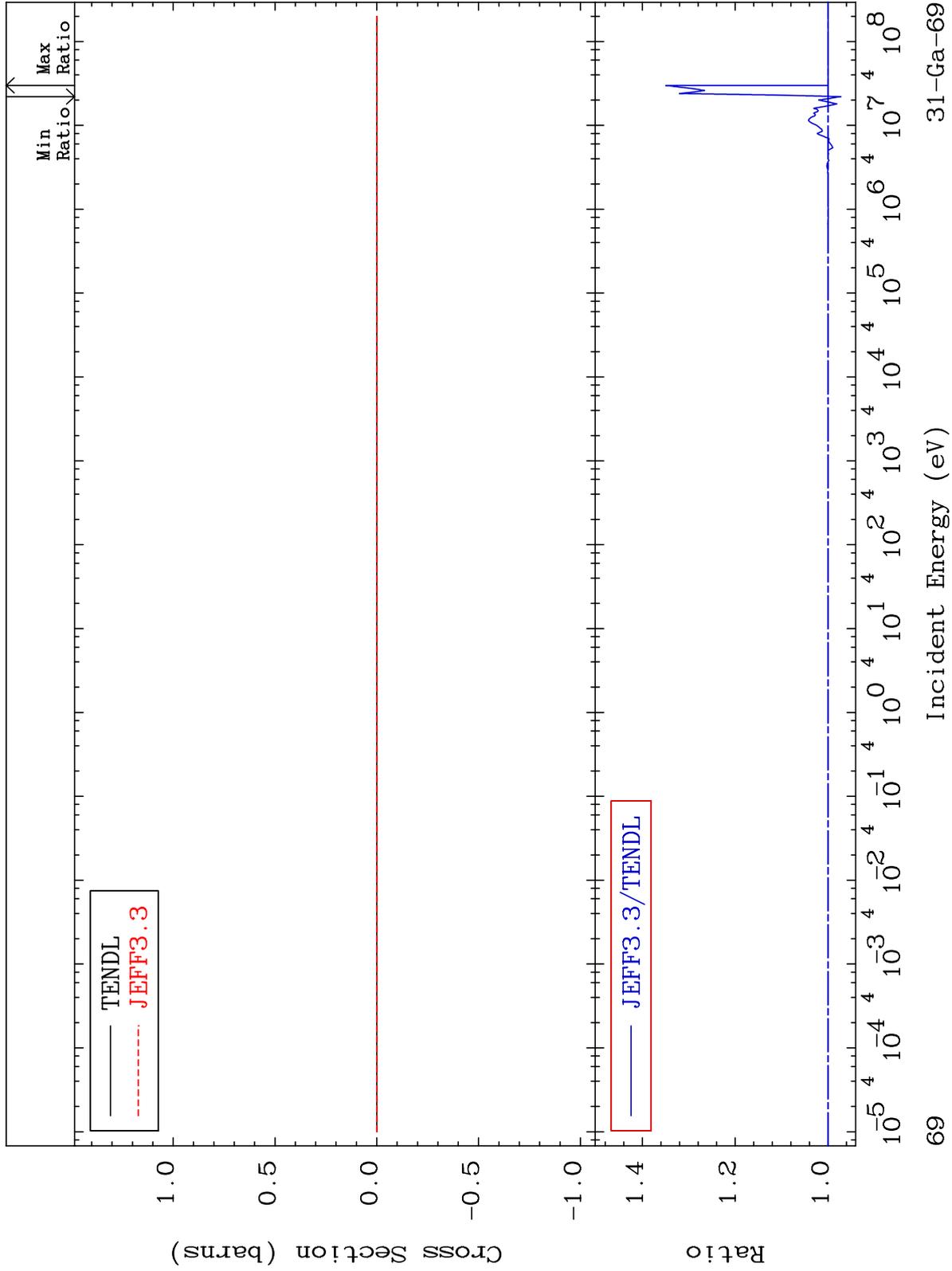
Incident Energy (eV)

31-Ga-69

MAT 3125

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

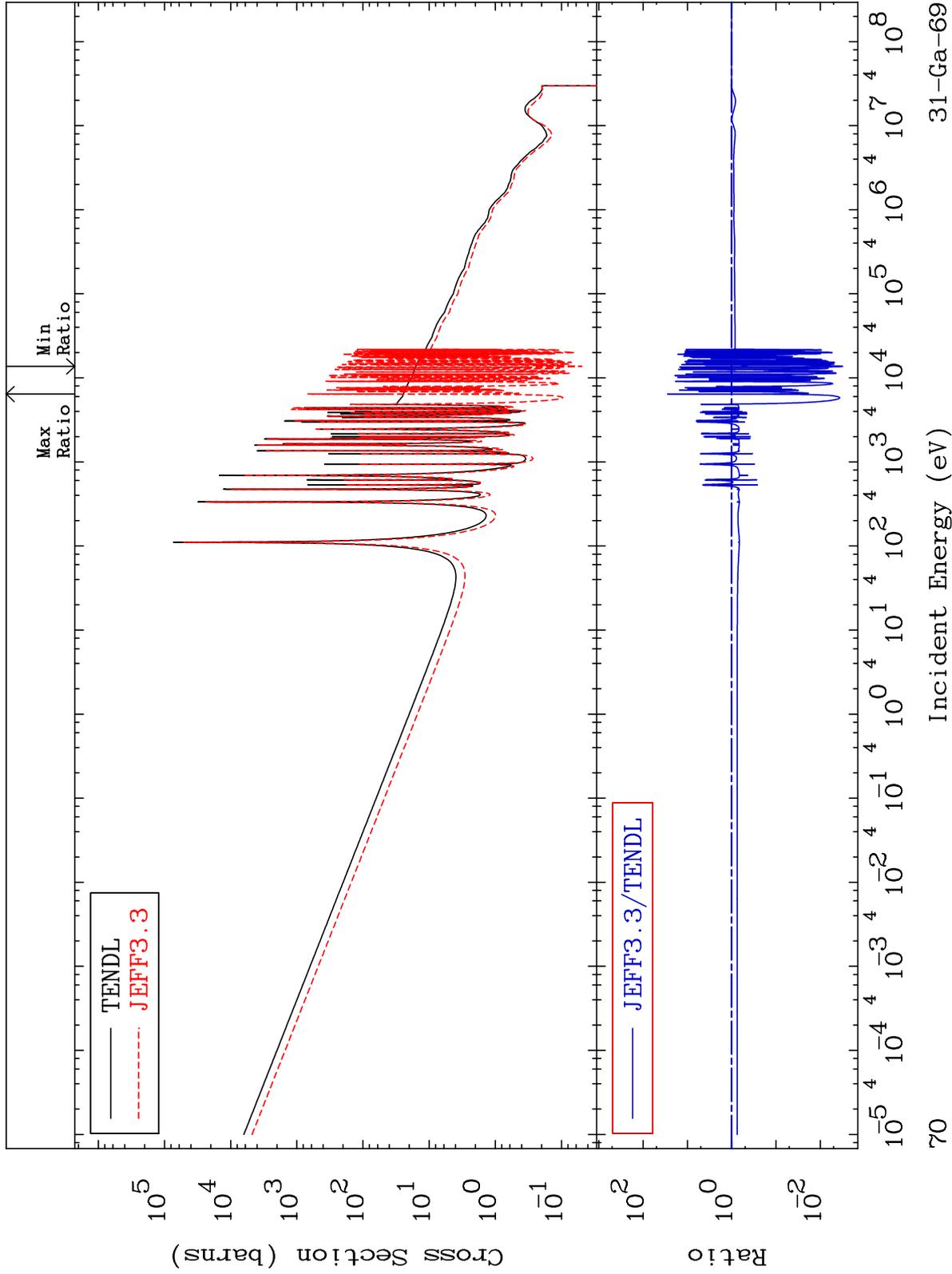
31-Ga-69
-2.748 To 34.92 %



MAT 3125

Kerma capture (mt102)
Cross Section

31-Ga-69
-99.69 To 2697. %



70

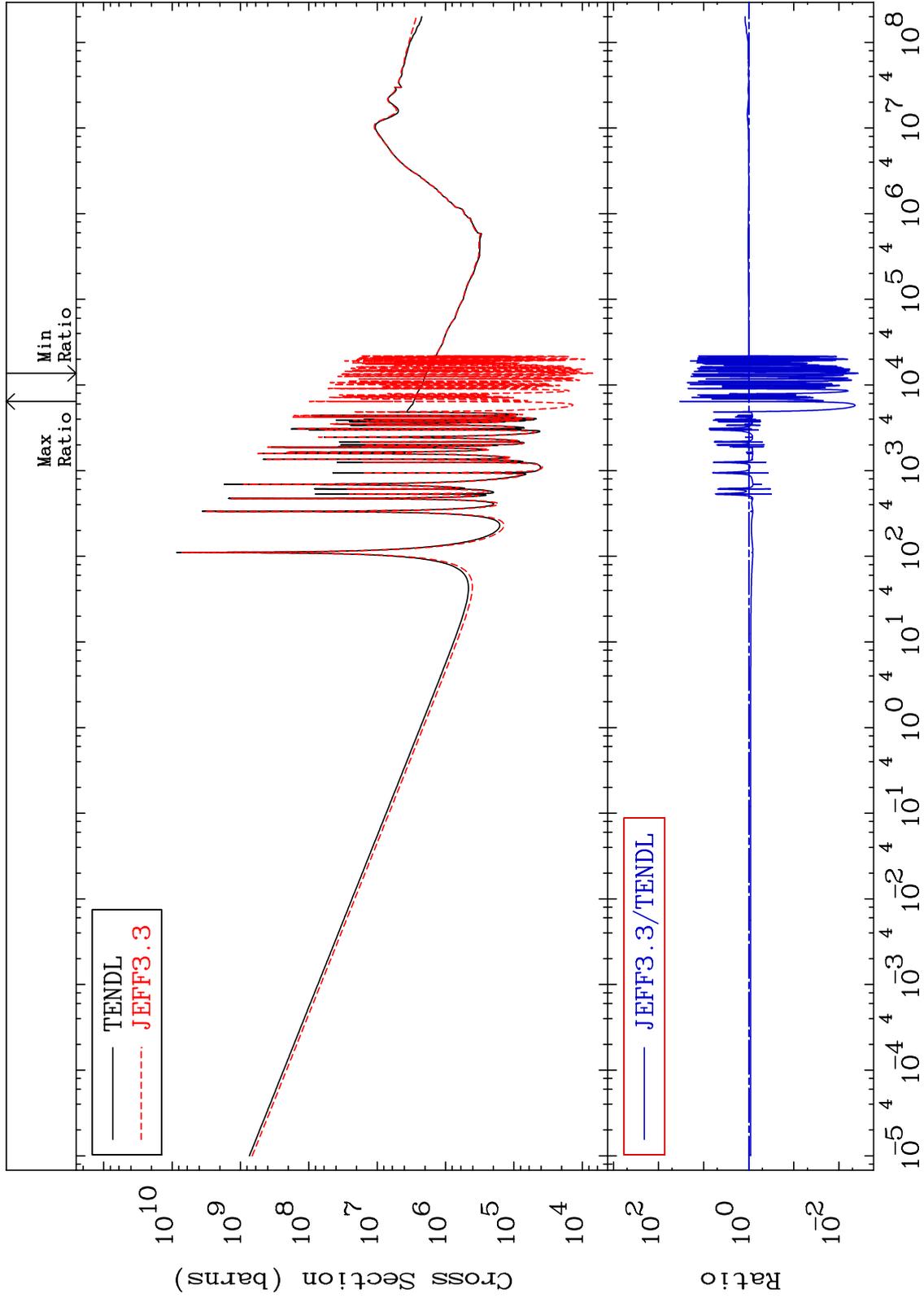
Incident Energy (eV)

31-Ga-69

MAT 3125

Total photon (eV-barns)
Cross Section

31-Ga-69
-99.63 To 3255. %



71

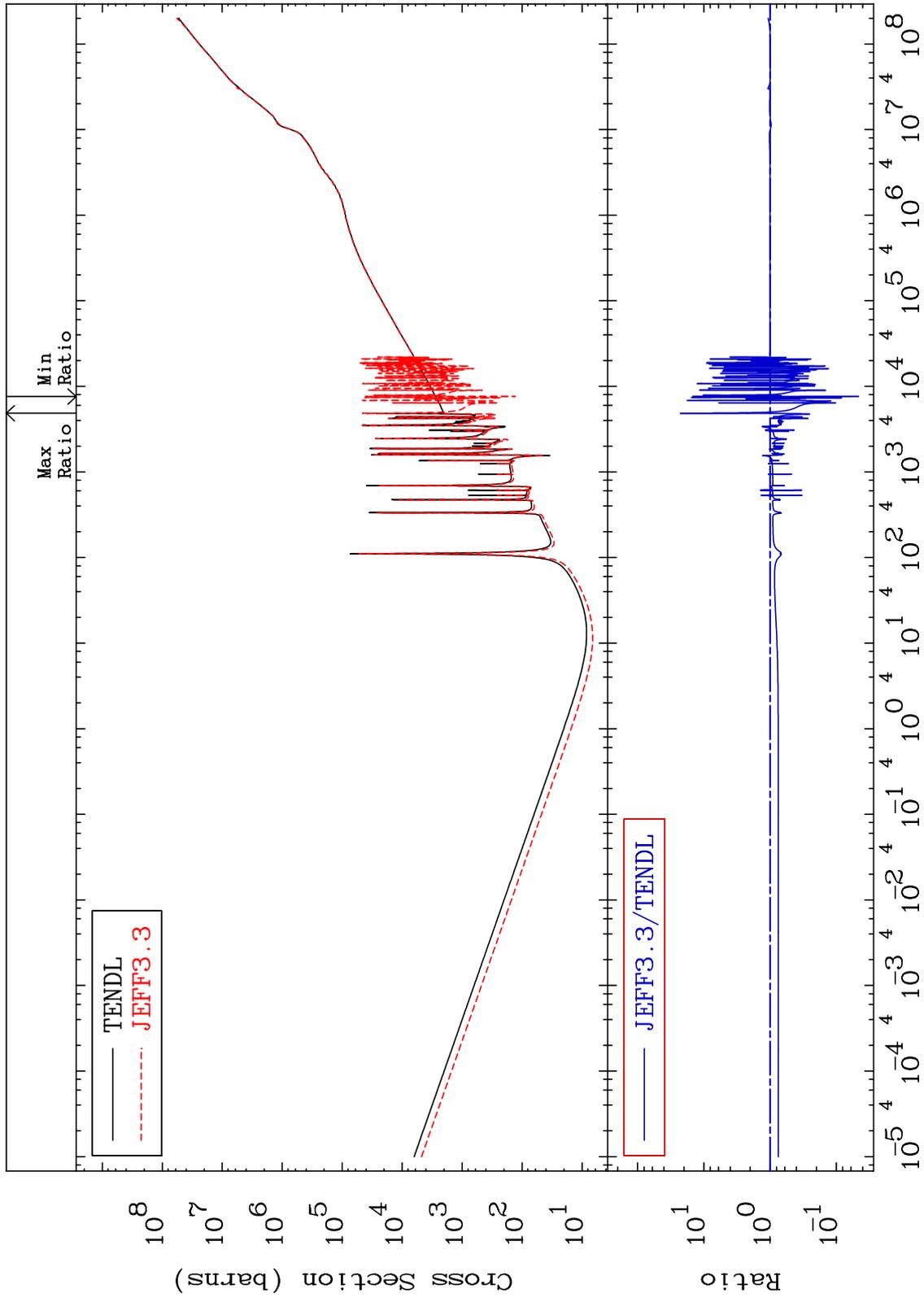
Incident Energy (eV)

31-Ga-69

MAT 3125

Total kinematic kerma (high limit)
Cross Section

31-Ga-69
-95.36 To 2198. %



72

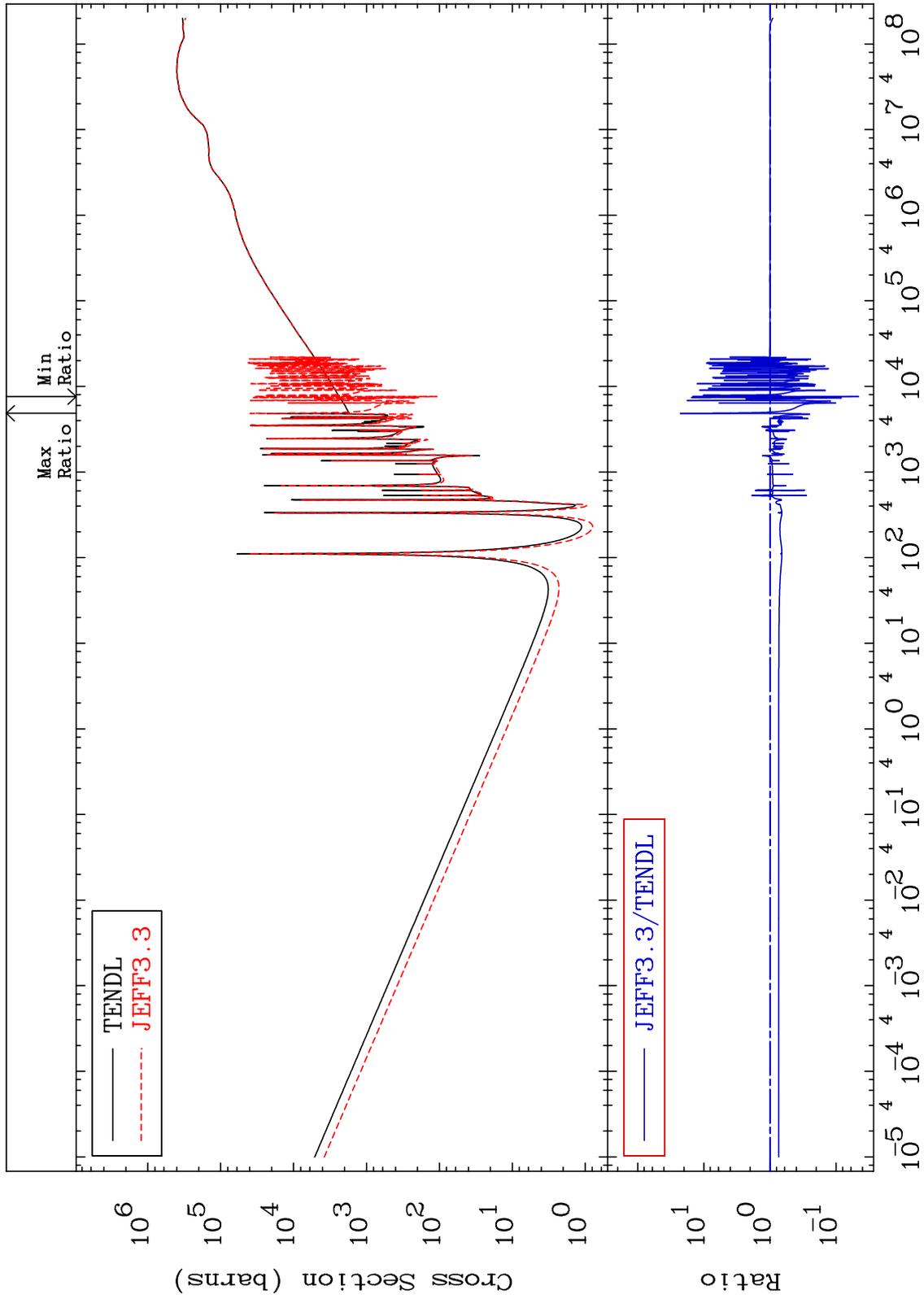
Incident Energy (eV)

31-Ga-69

MAT 3125

Dpa total (eV-barns)
Cross Section

31-Ga-69
-95.38 To 2199. %



73

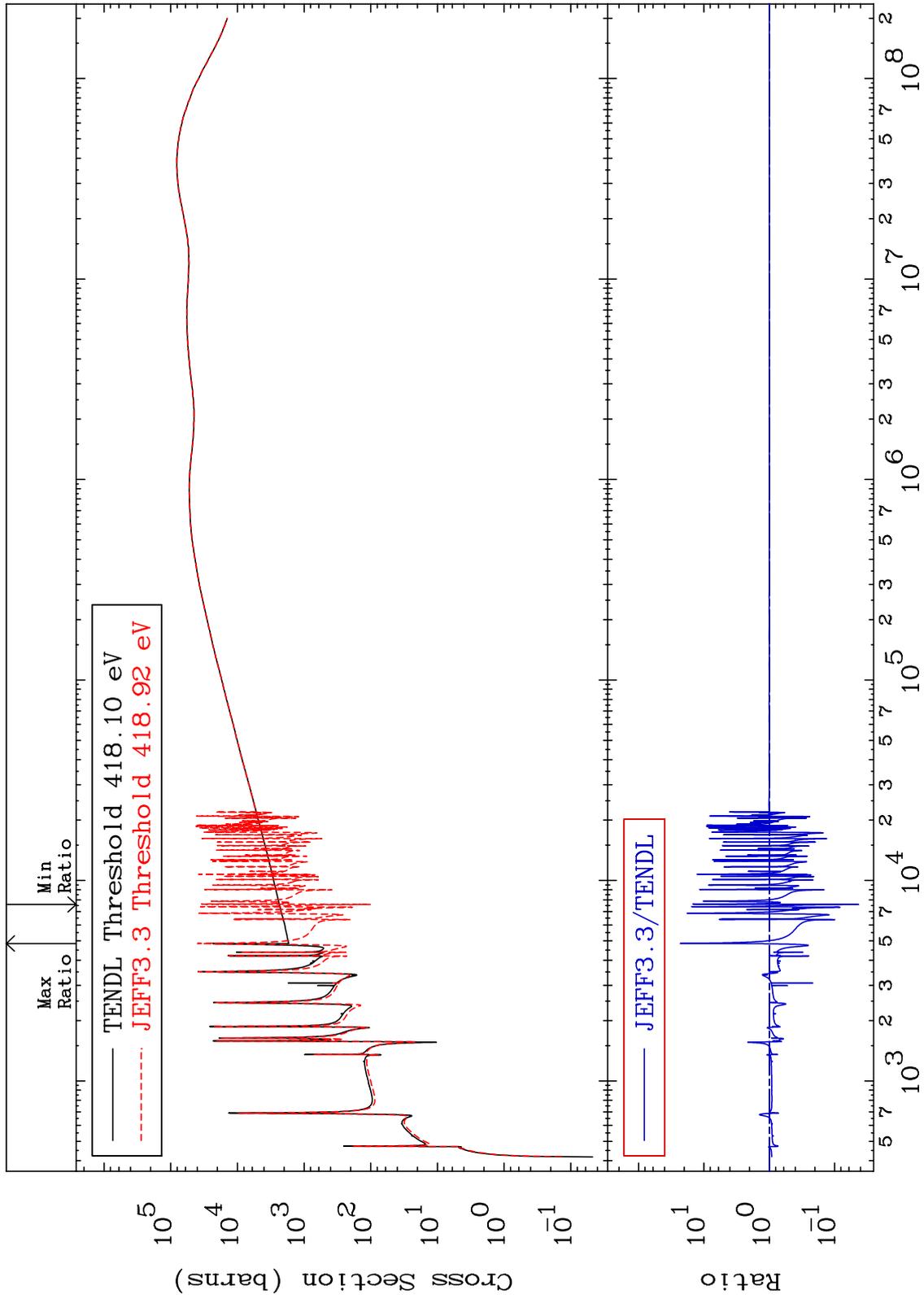
Incident Energy (eV)

31-Ga-69

MAT 3125

Dpa elastic (mt2)
Cross Section

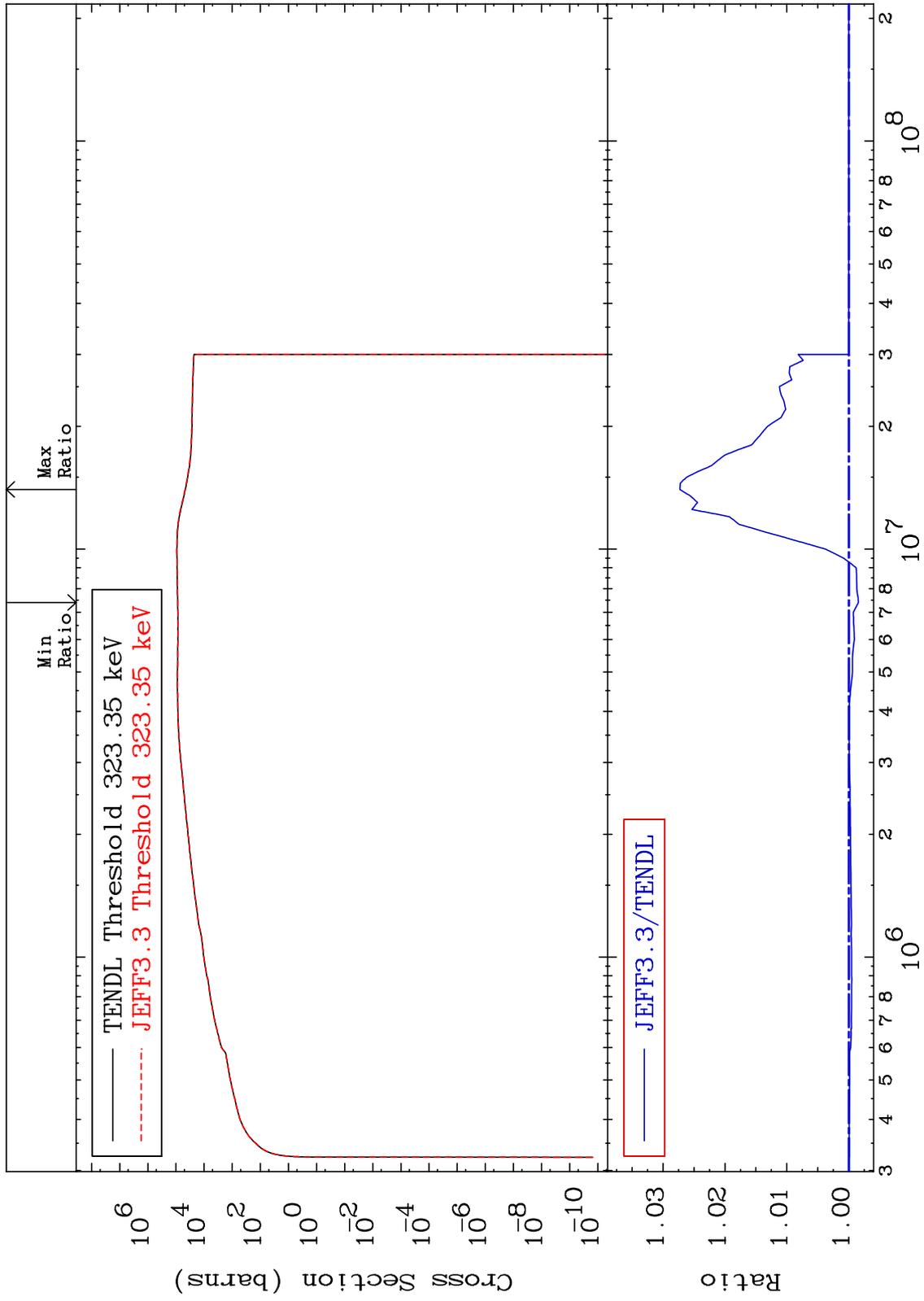
31-Ga-69
-95.68 To 2226. %



MAT 3125

Dpa inelastic (mt51-91)
Cross Section

31-Ga-69
-0.154 To 2.726 %



75

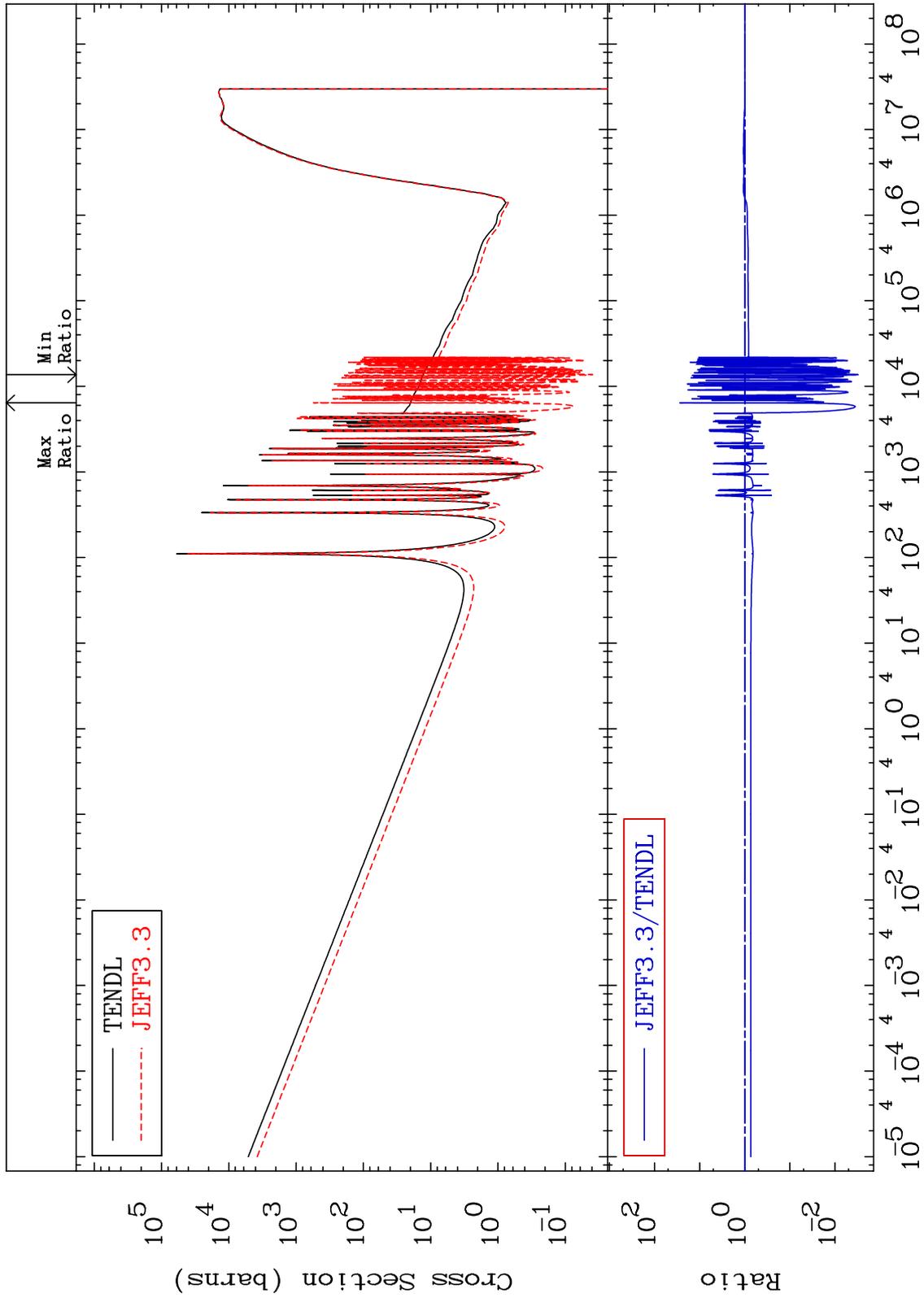
Incident Energy (eV)

31-Ga-69

MAT 3125

Dpa disappearance (mt102 -120)
Cross Section

31-Ga-69
-99.70 To 2645. %



76

Incident Energy (eV)

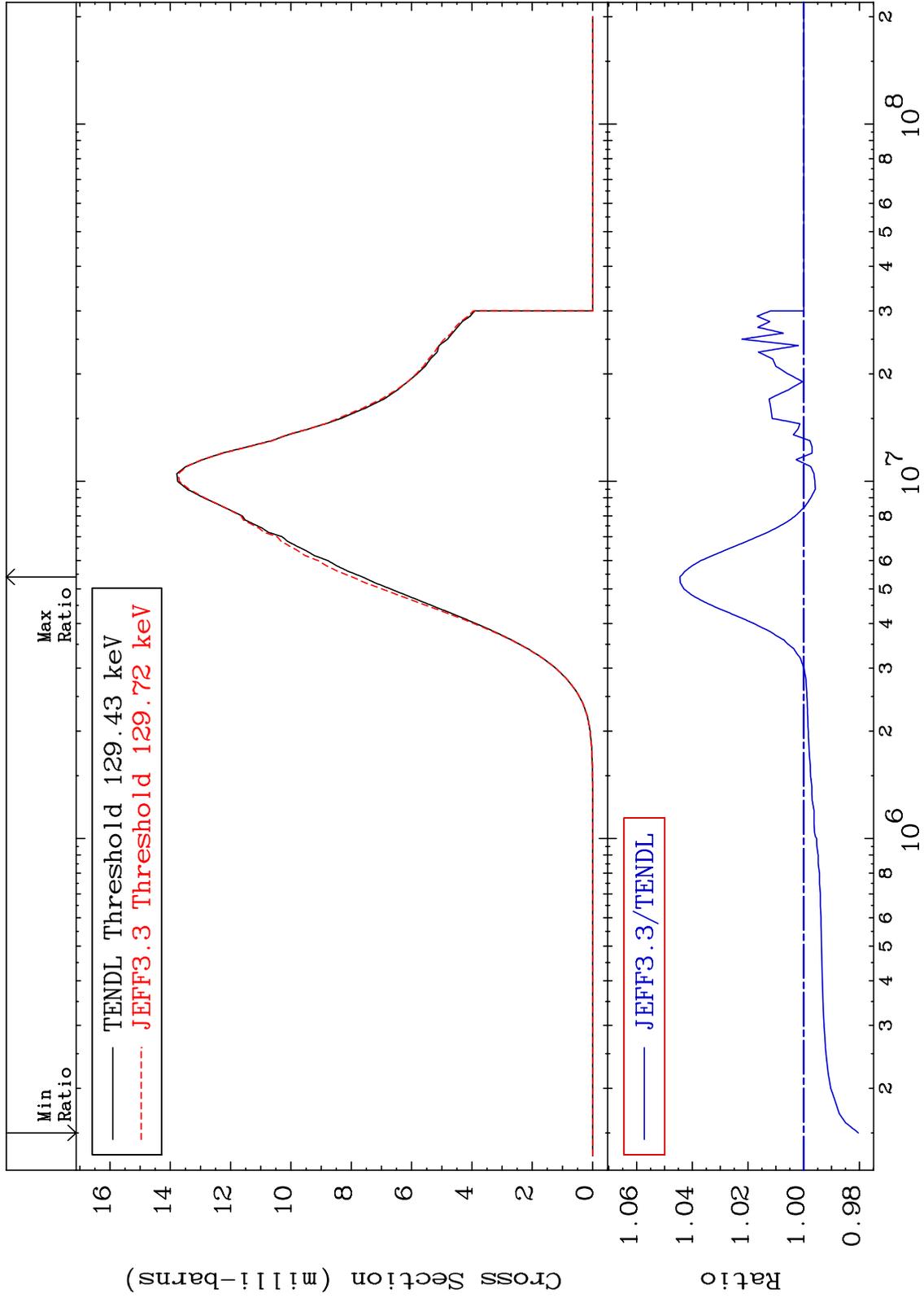
31-Ga-69

MAT 3125

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

31-Ga-69

Radionuclide Production Cross Section -1.963 To 4.447 %



77

Incident Energy (eV)

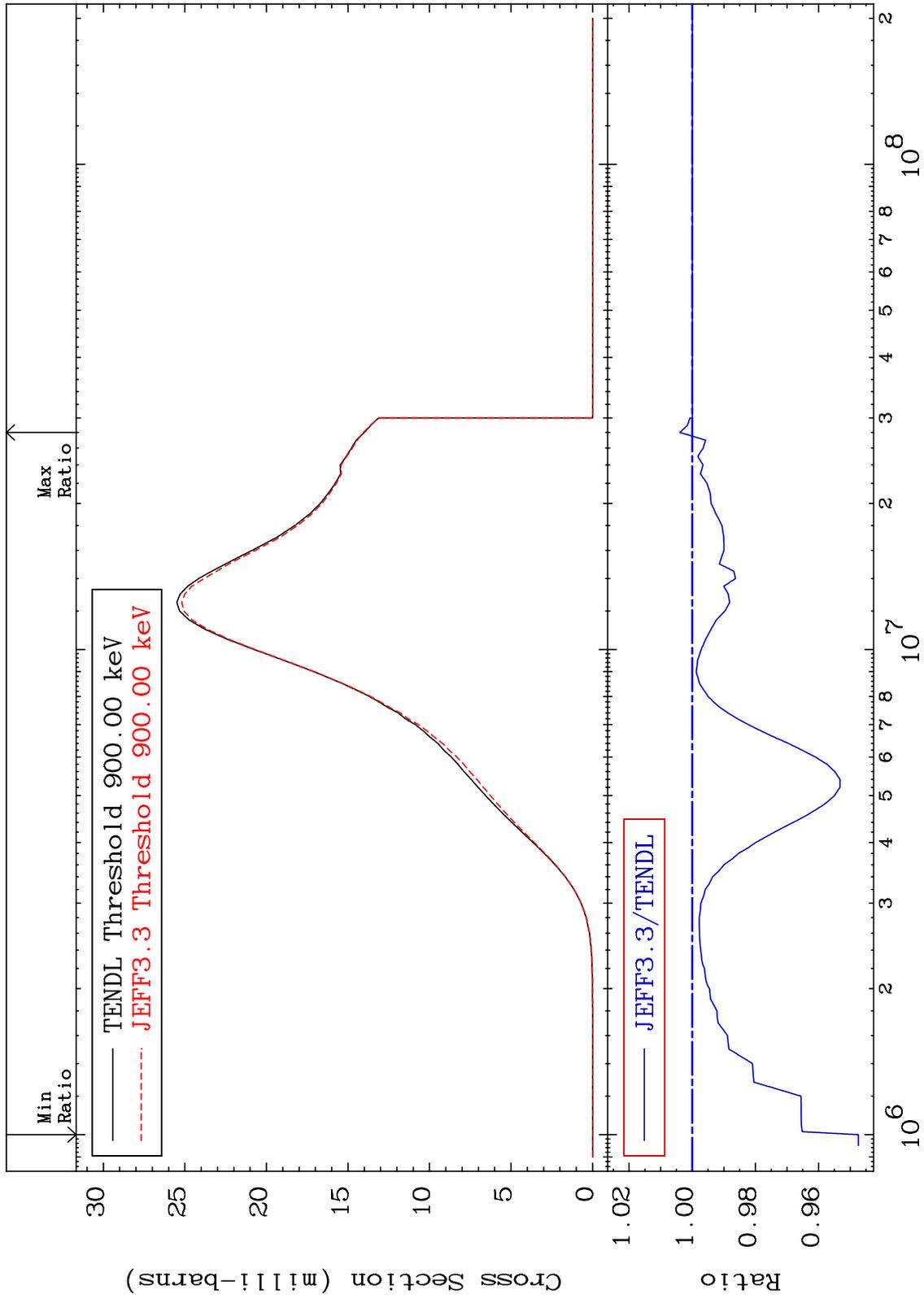
31-Ga-69

MAT 3125

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

31-Ga-69

Radionuclide Production Cross Section -5.260 To 0.390 %



78

Incident Energy (eV)

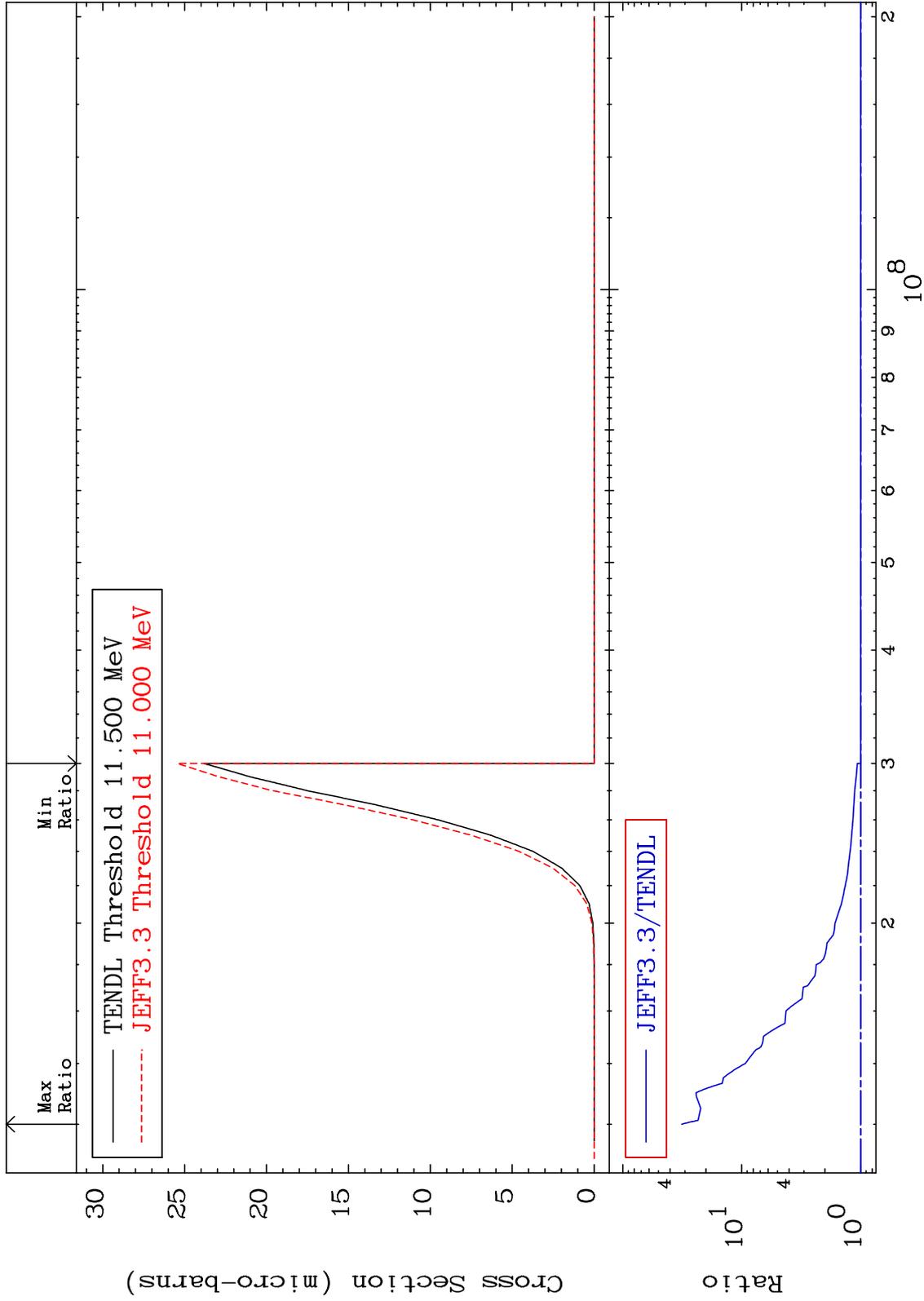
31-Ga-69

MAT 3125

(n,2α):27-Co-62g

31-Ga-69

Radionuclide Production Cross Section 0.000 To 3093. %

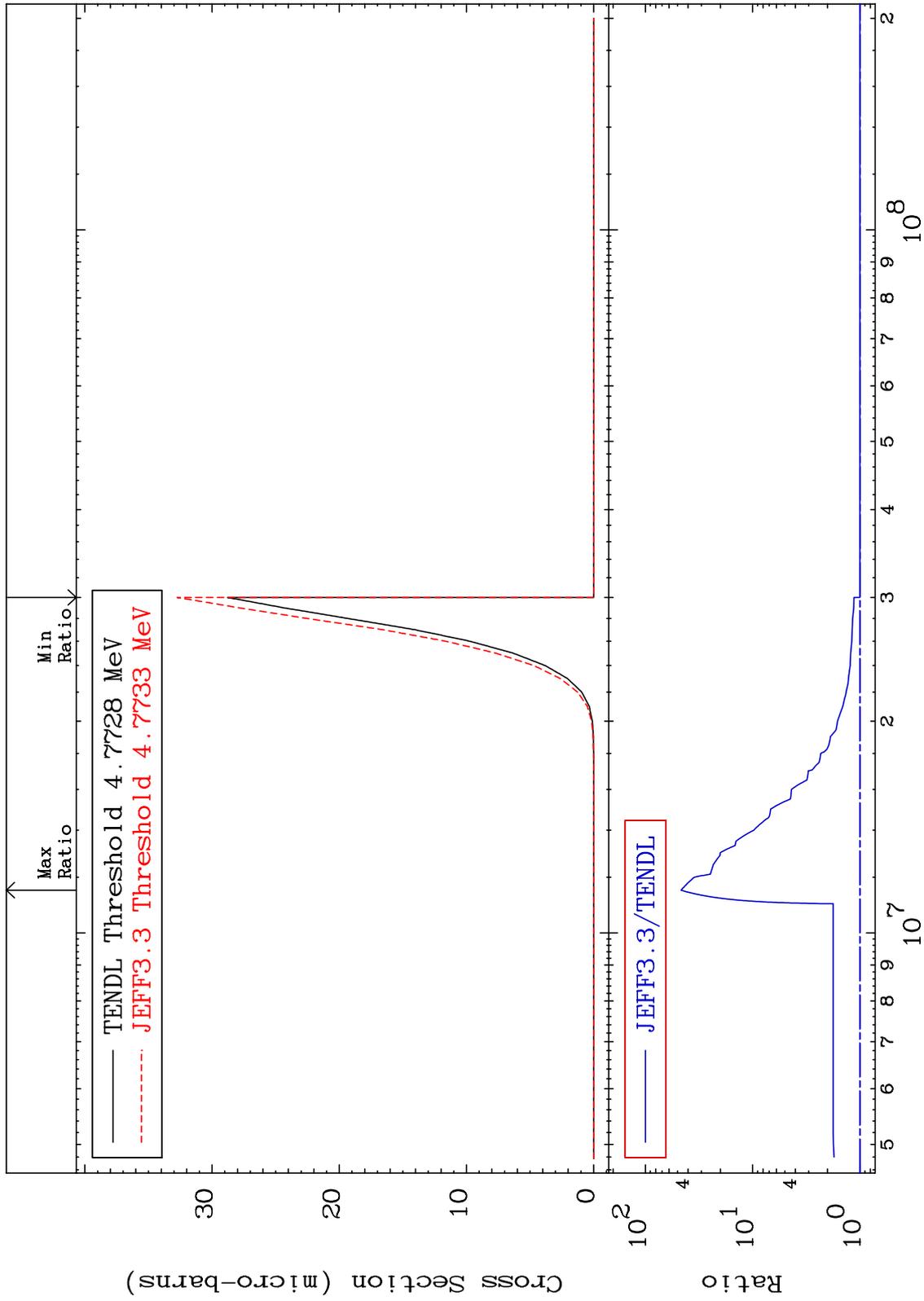


MAT 3125

(n, 2α) : 27-Co-62m1

31-Ga-69

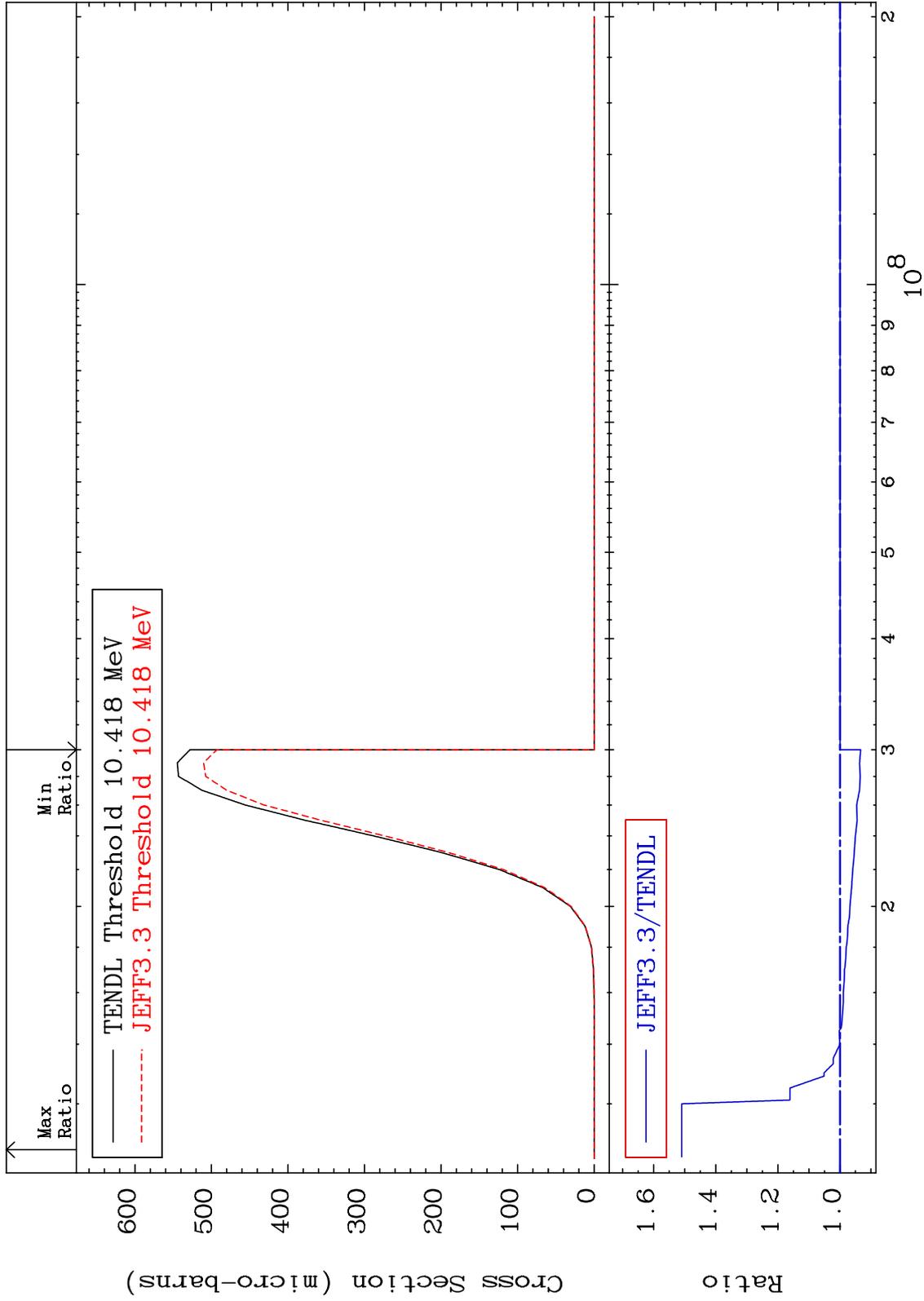
Radionuclide Production Cross Section 0.000 To 4538. %



80

Incident Energy (eV)

31-Ga-69



MAT 3125

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

31-Ga-69

Radionuclide Production Cross Section -8.474 To 16.79 %

