

Program Complot  
(Version 2018-1)

by

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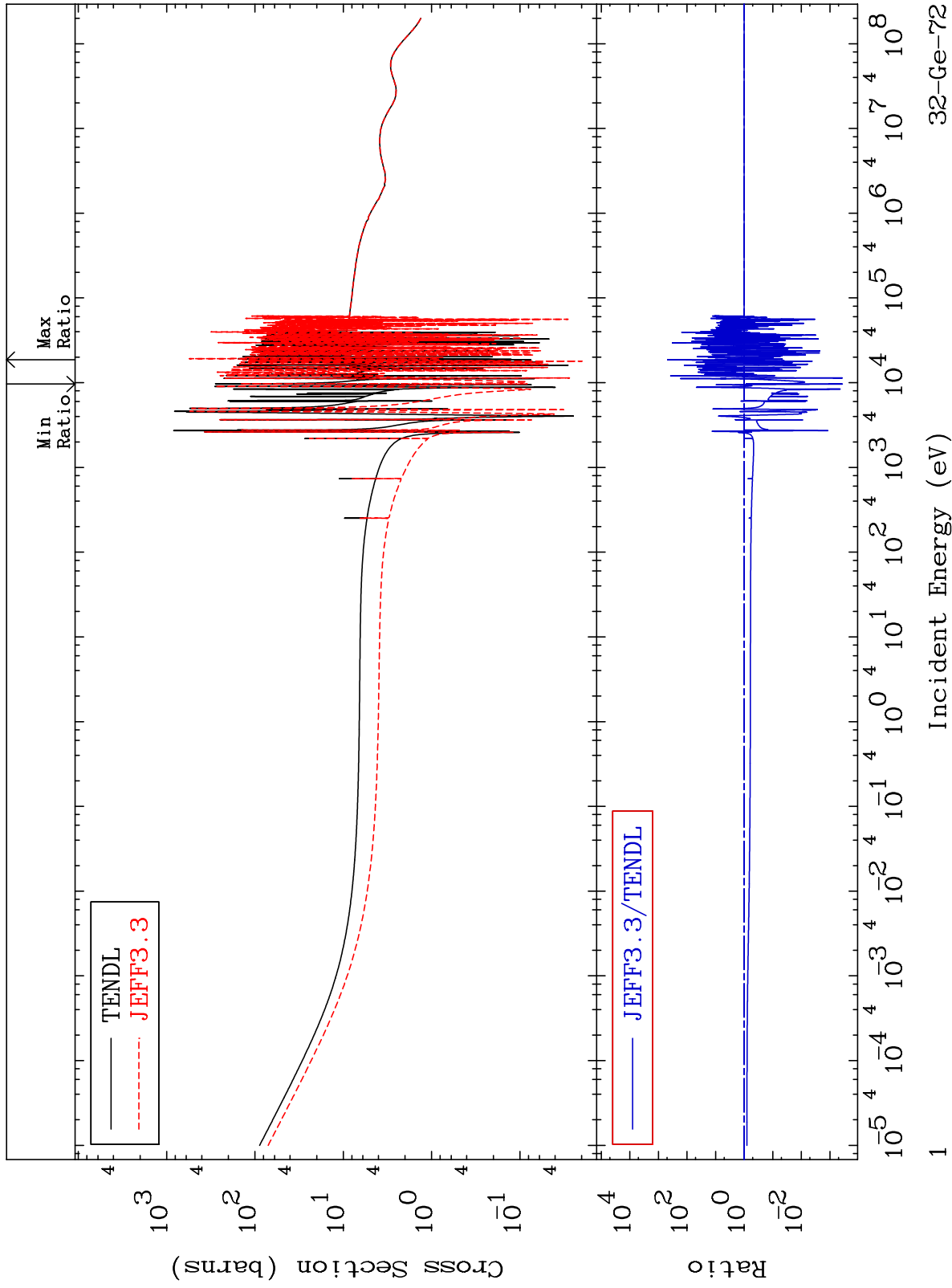
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 3231

Total  
Cross Section

32-Ge-72  
-99.96 To 9999. %



32-Ge-72

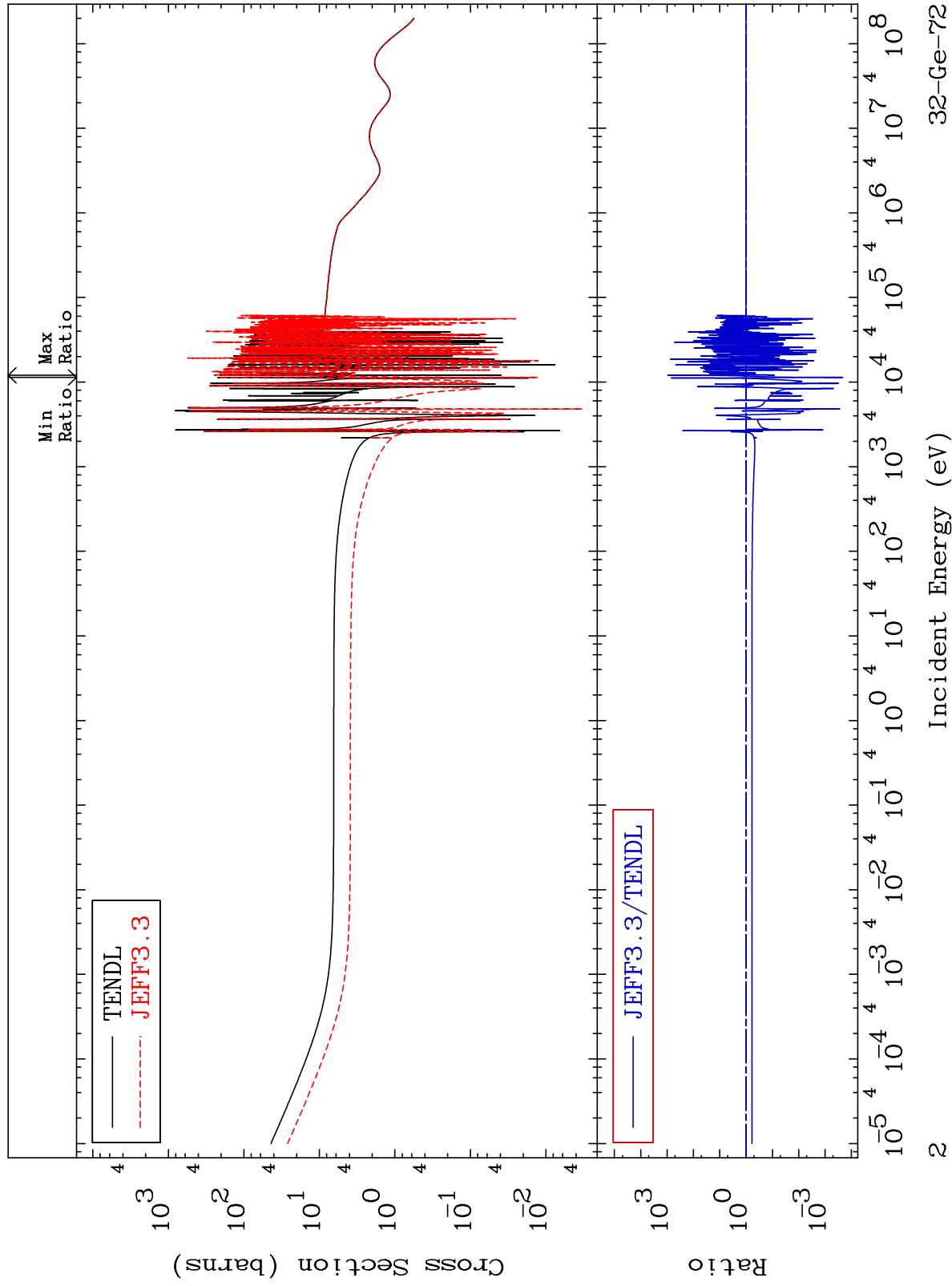
Incident Energy (eV)

1

MAT 3231

Elastic  
Cross Section

32-Ge-72  
-99.98 To 9999. %

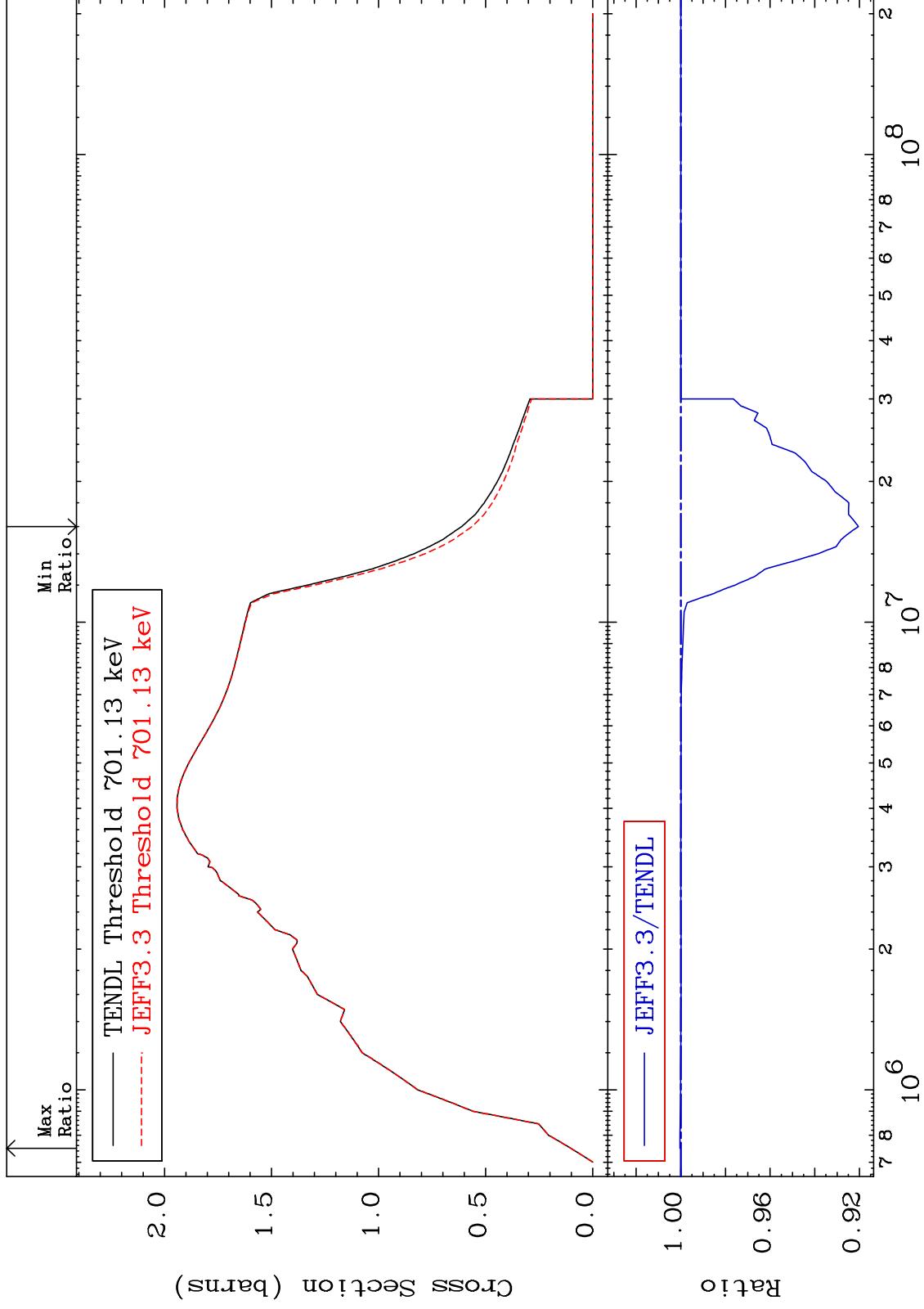


MAT 3231

Inelastic  
Cross Section

32-Ge-72

-7.954 To 0.035 %



Incident Energy (eV)

32-Ge-72

3

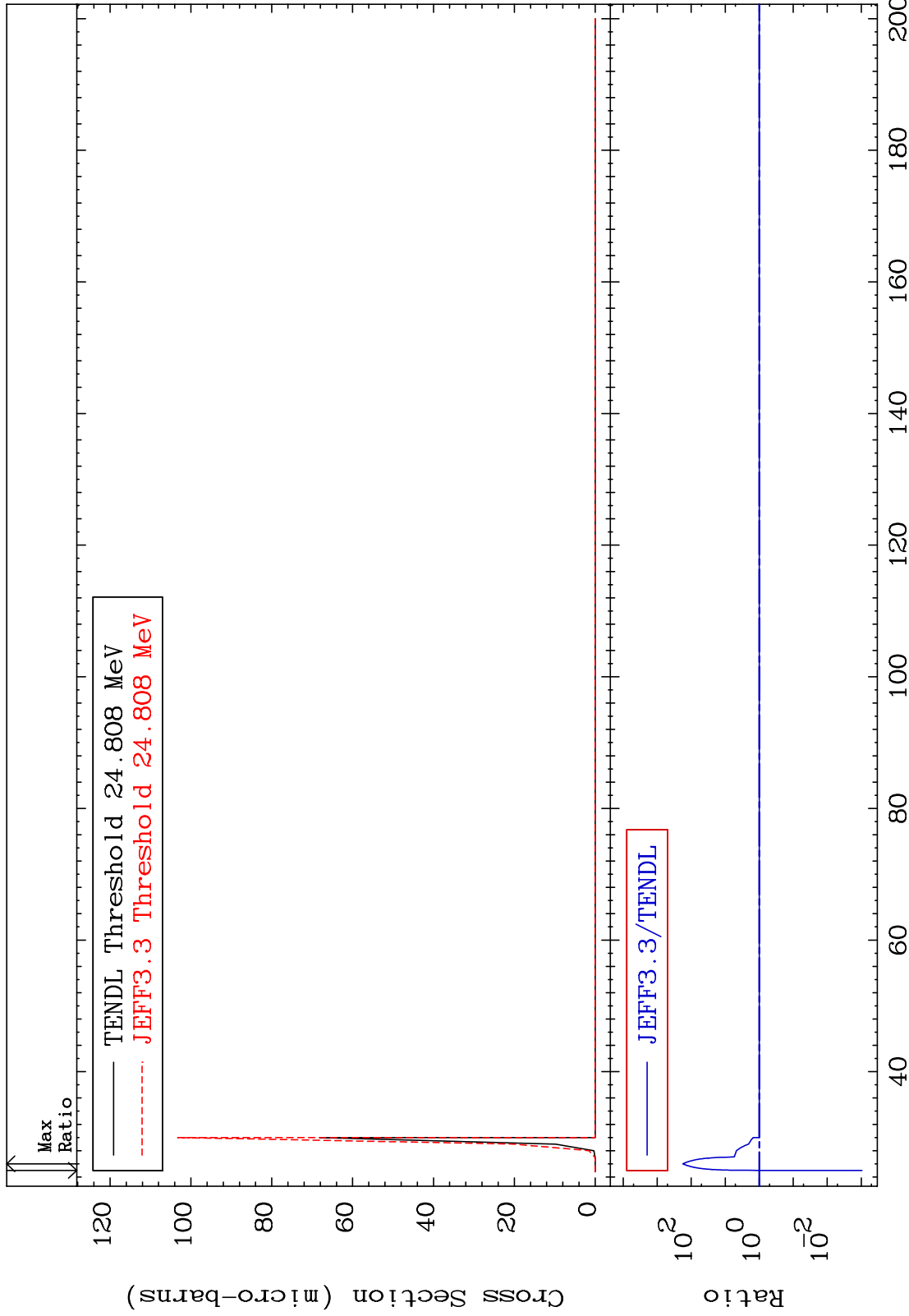
MAT 3231

(n,2n) d

32-Ge-72

Cross Section

-99.91 To 9999. %



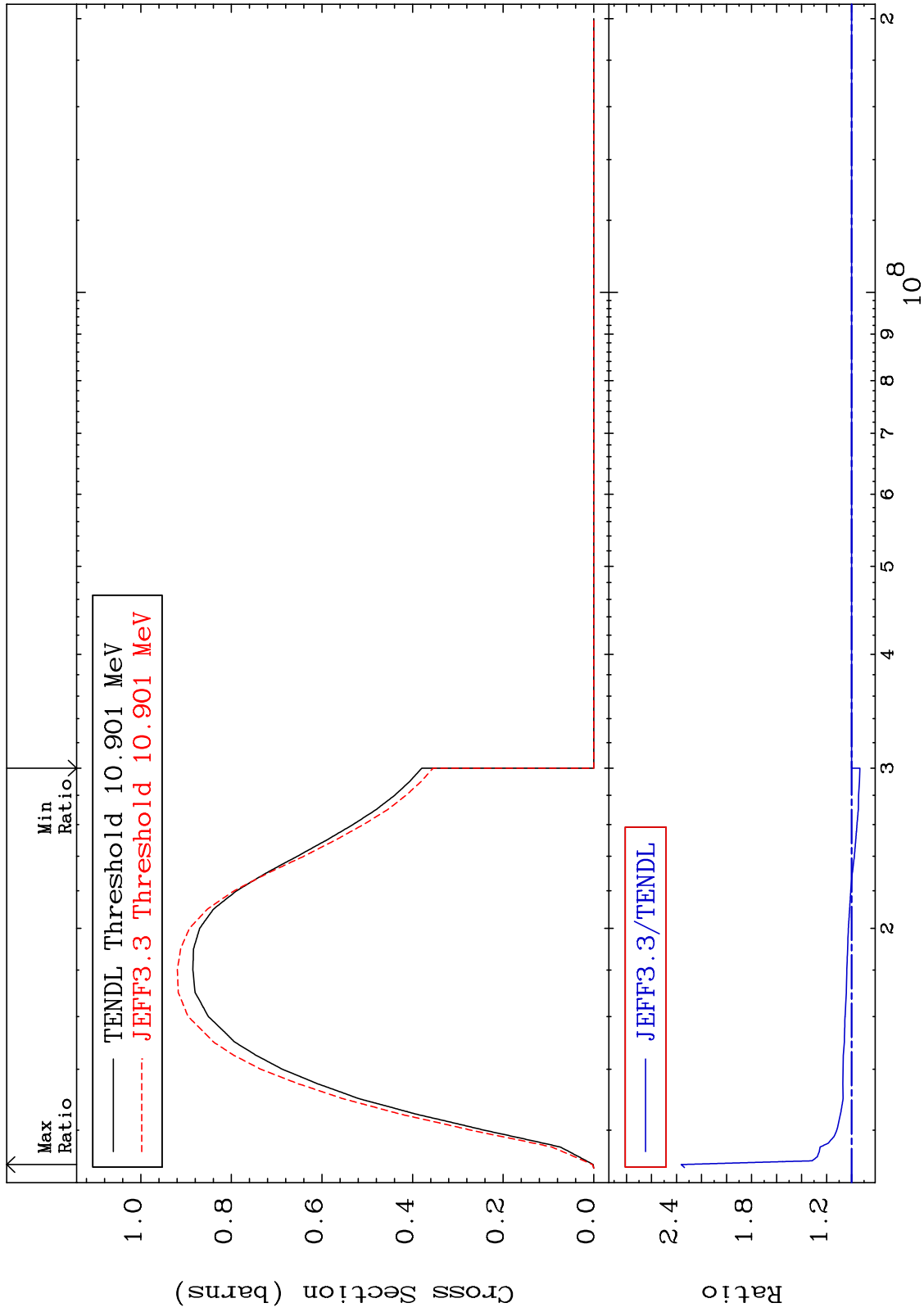
MAT 3231

(n,2n)

32-Ge-72

Cross Section

-6.658 To 136.3 %



5

Incident Energy (eV)

32-Ge-72

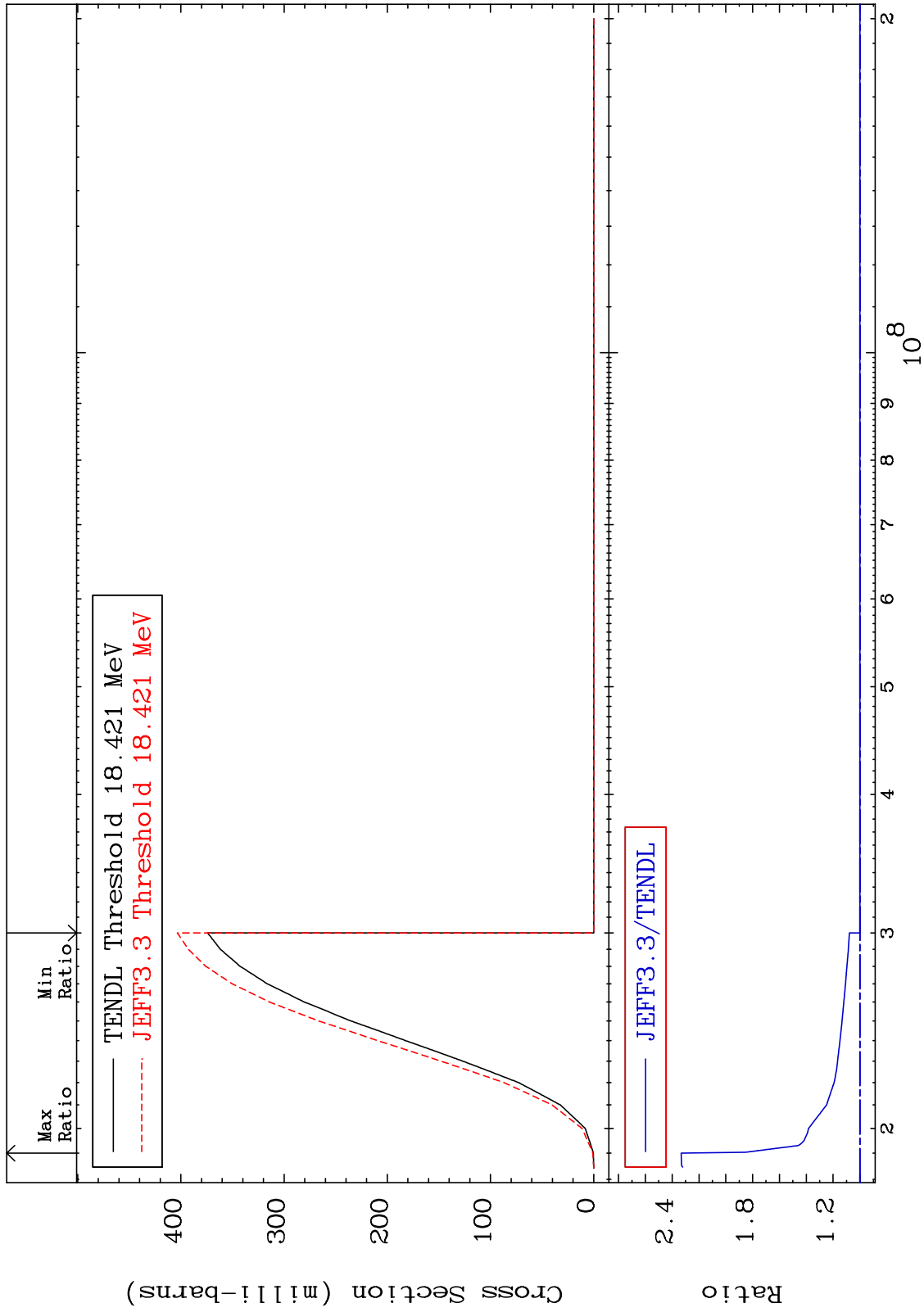
MAT 3231

(n, 3n)

<sup>32</sup>Ge-72

Cross Section

0.000 To 133.2 %



6

Incident Energy (eV)

<sup>32</sup>Ge-72

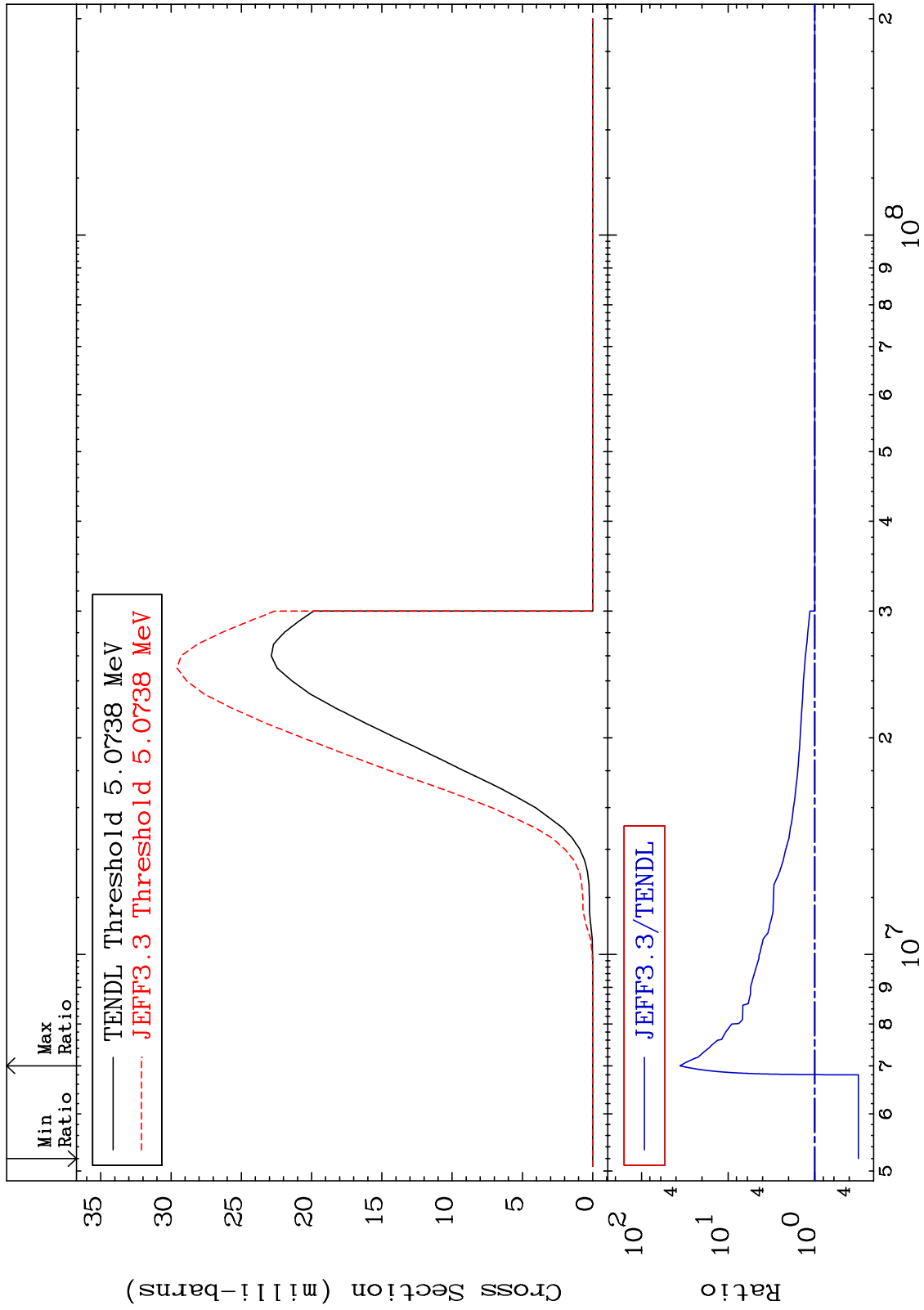
MAT 3231

(n,n')  $\alpha$

32-Ge-72

Cross Section

-68.65 To 3490. %



32-Ge-72

Incident Energy (eV)



MAT 3231

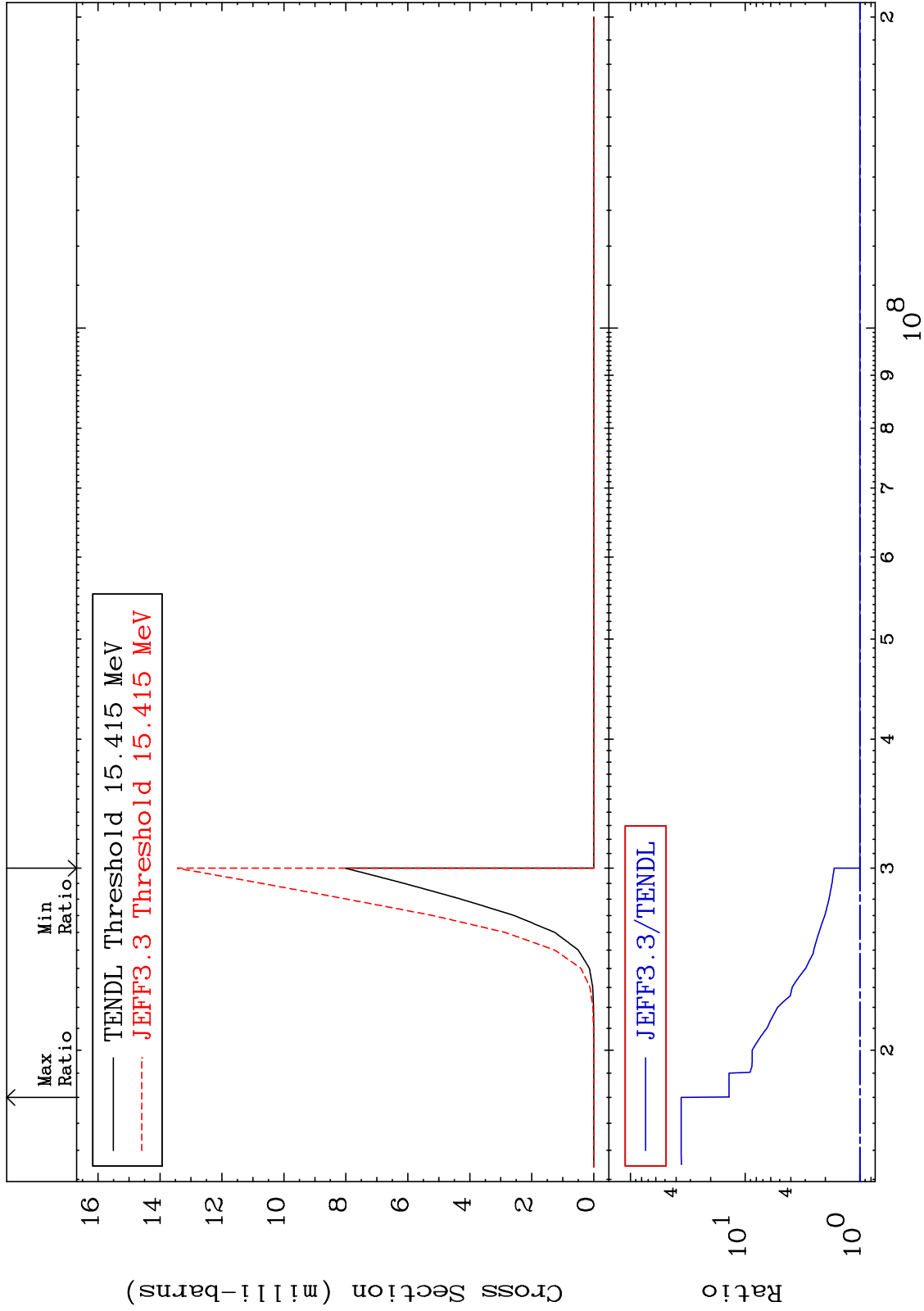
(n,2n)  $\alpha$

32-Ge-72

Cross Section

0.000

To 3509. %



8

Incident Energy (eV)

32-Ge-72

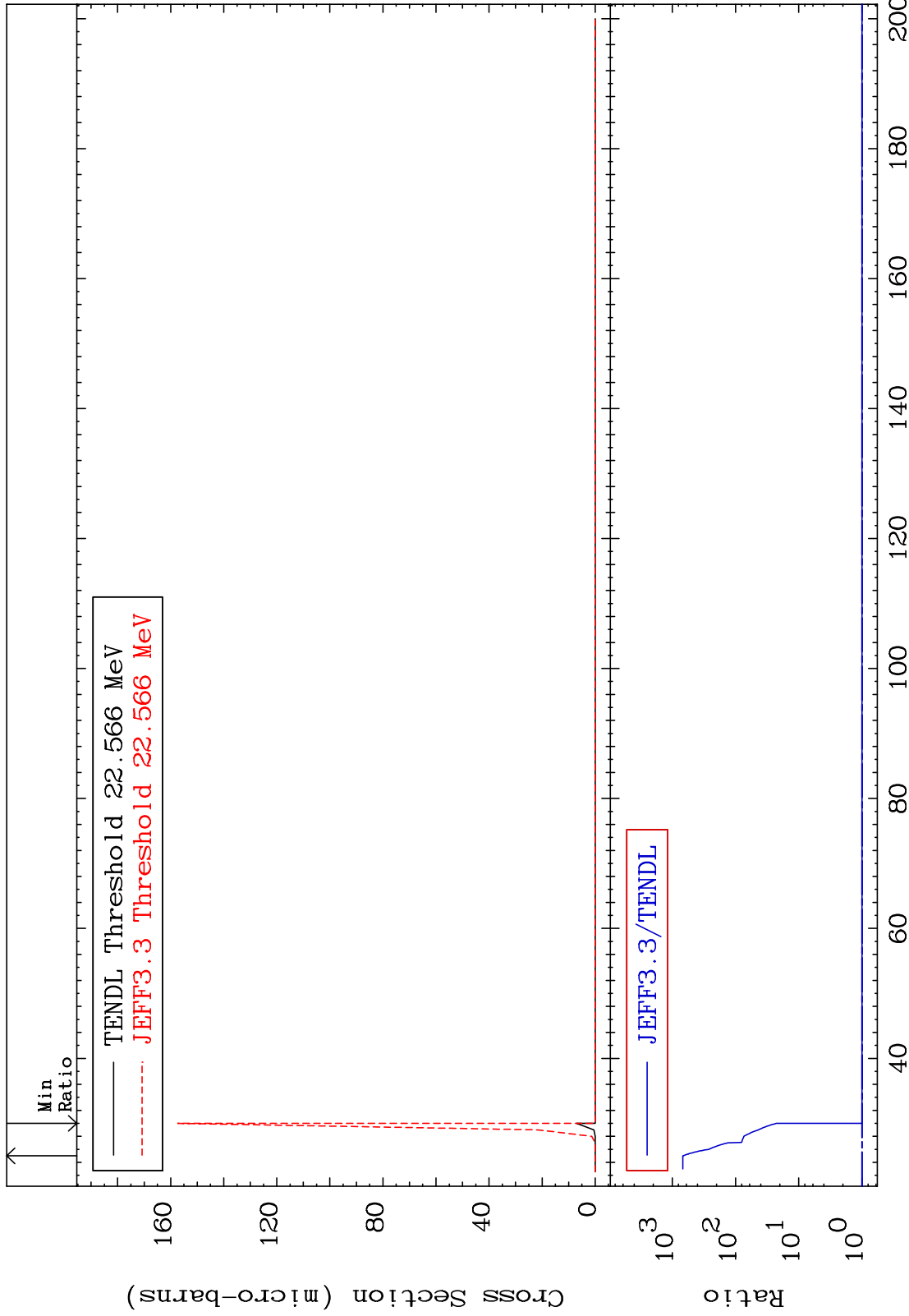
MAT 3231

(n, 3n)  $\alpha$

<sup>32</sup>Ge-72

Cross Section

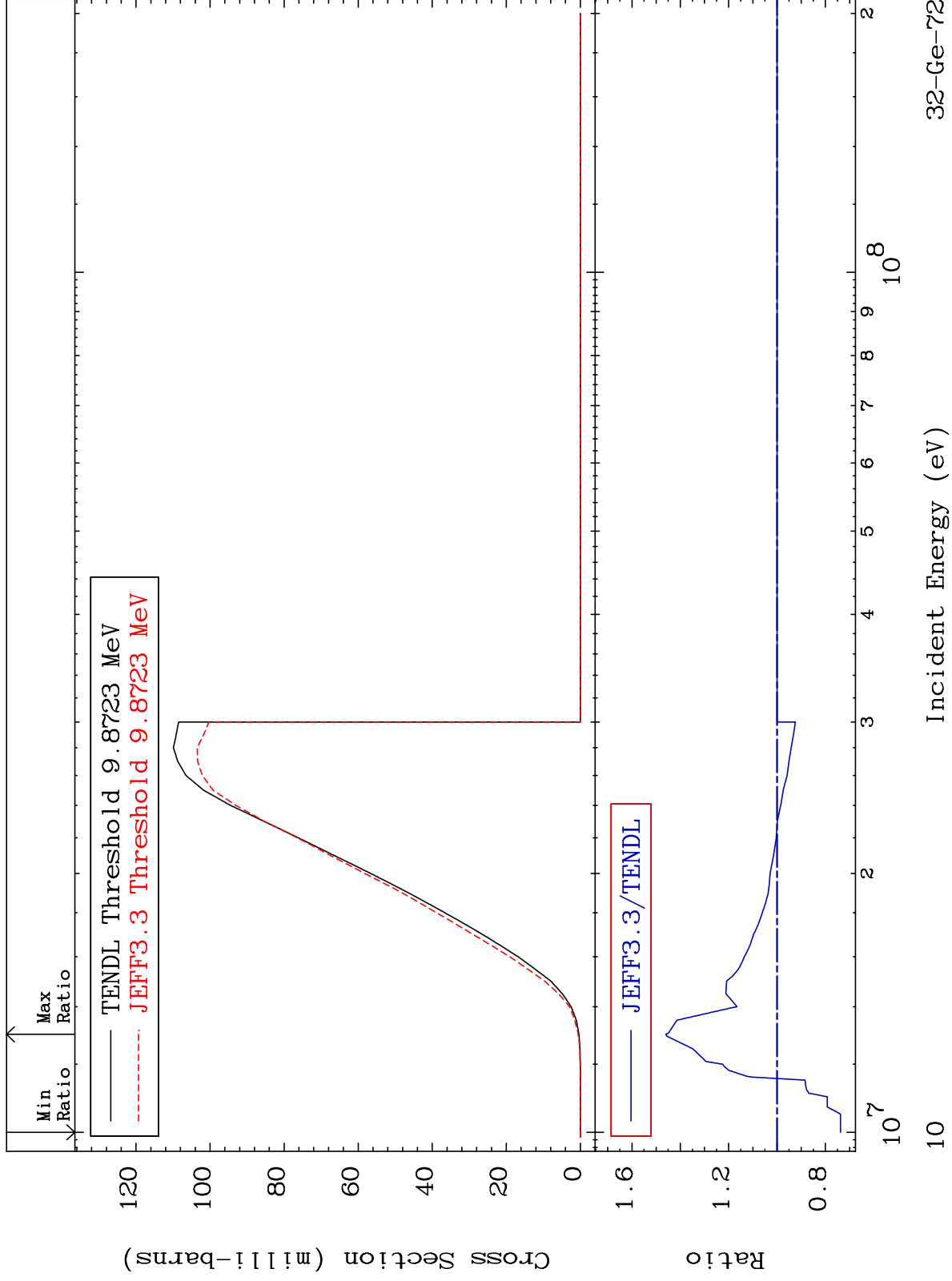
0.000 To 9999. %



MAT 3231

(n, n') p  
Cross Section

32-Ge-72  
-26.26 To 45.97 %



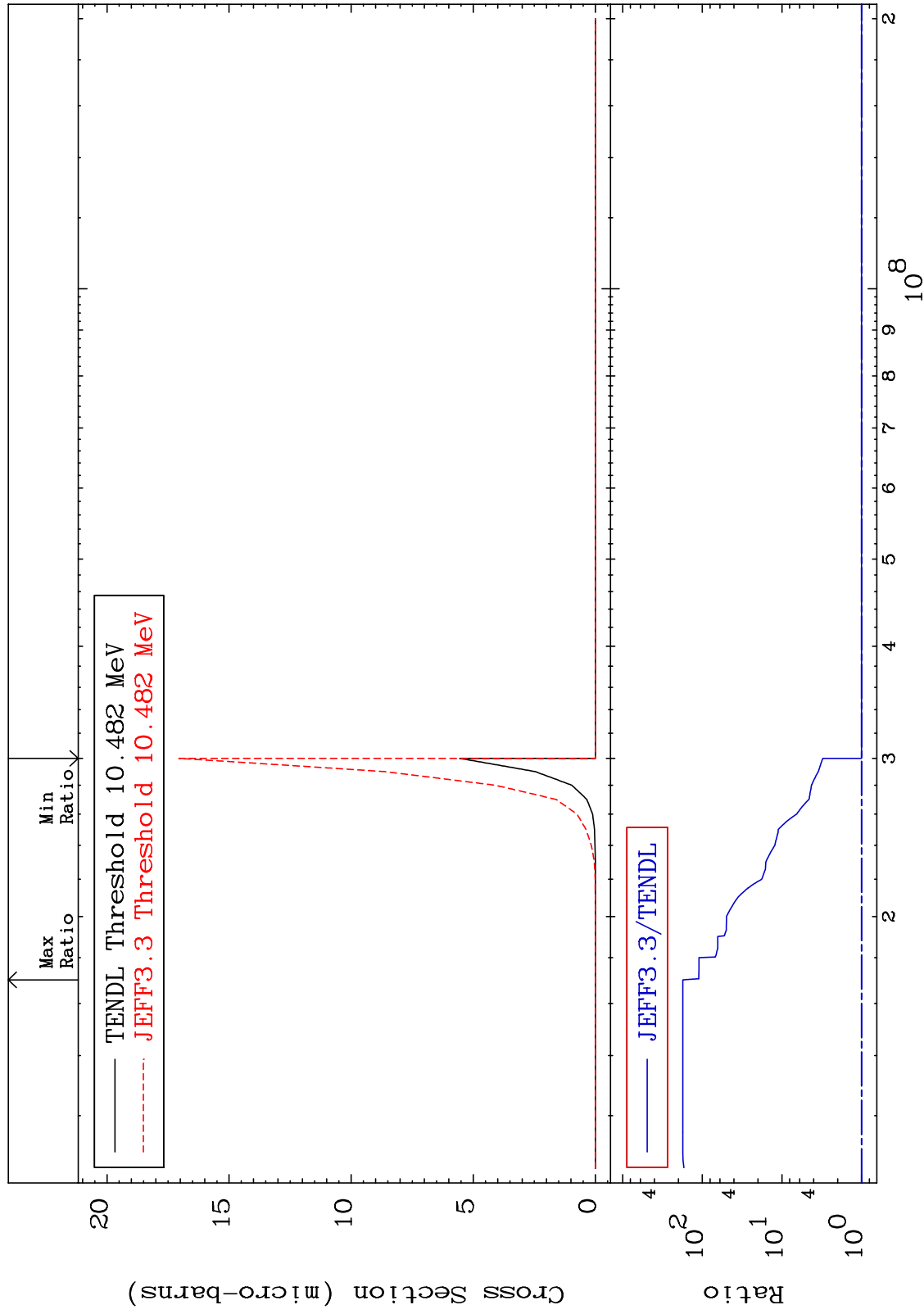
MAT 3231

(n,n') 2α

32-Ge-72

Cross Section

0.000 To 9999. %



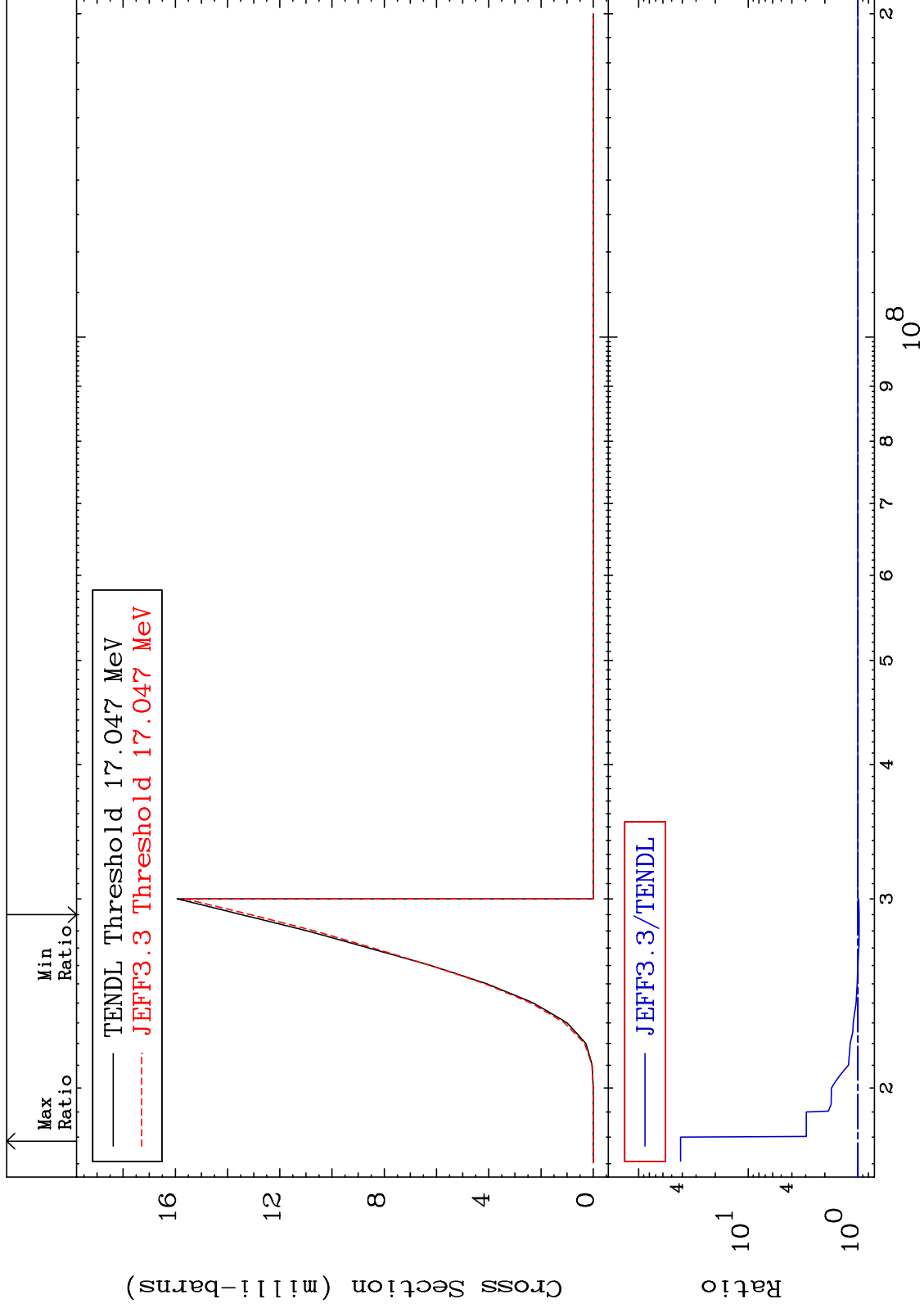
MAT 3231

(n,n') d

32-Ge-72

Cross Section

-2.594 To 4040. %



12

Incident Energy (eV)

32-Ge-72

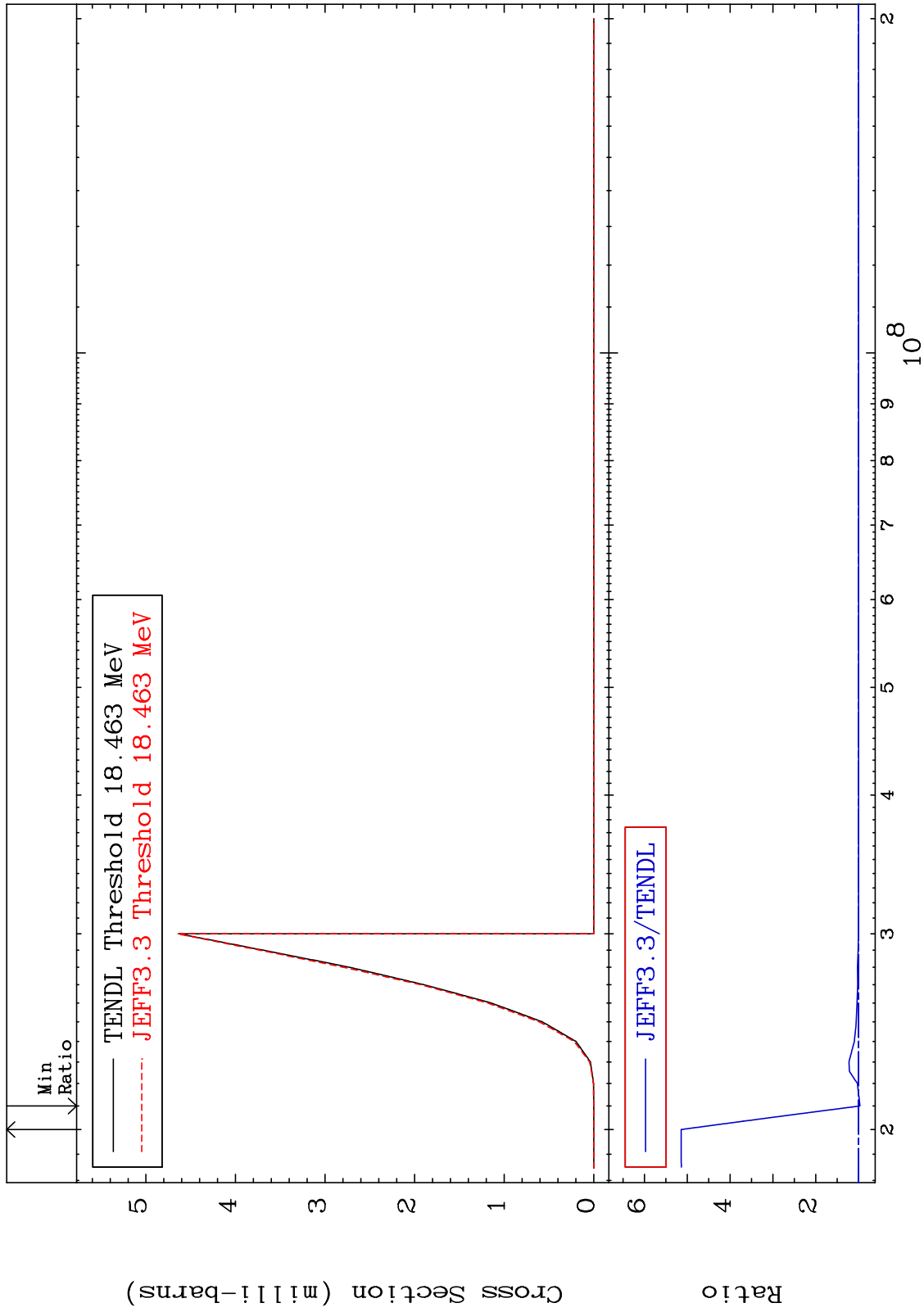
MAT 3231

(n, n') t

32-Ge-72

Cross Section

-3.051 To 414.3 %



13

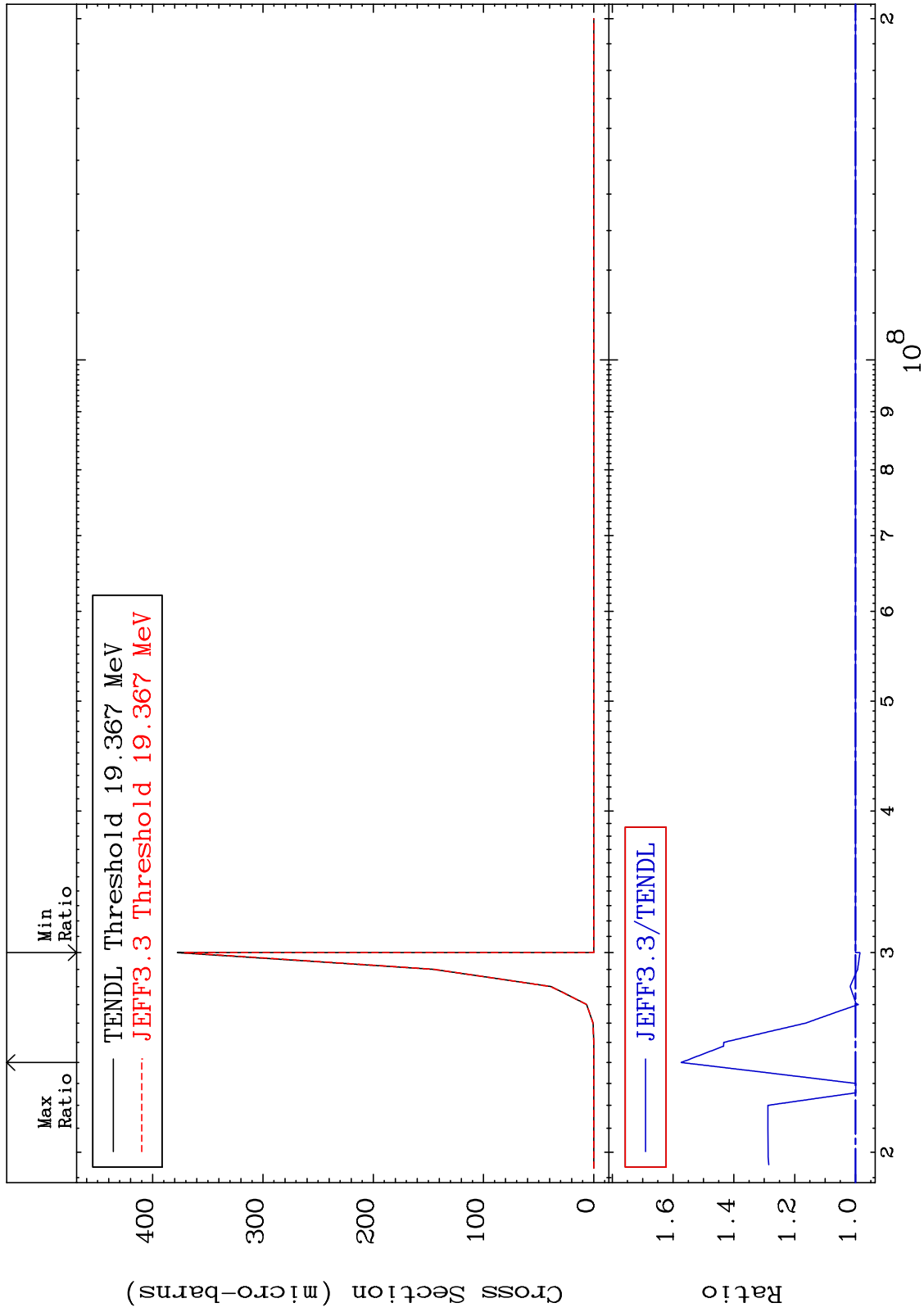
Incident Energy (eV)

32-Ge-72

MAT 3231

(n, n') He-3  
Cross Section

32-Ge-72  
-1.457 To 57.32 %



MAT 3231

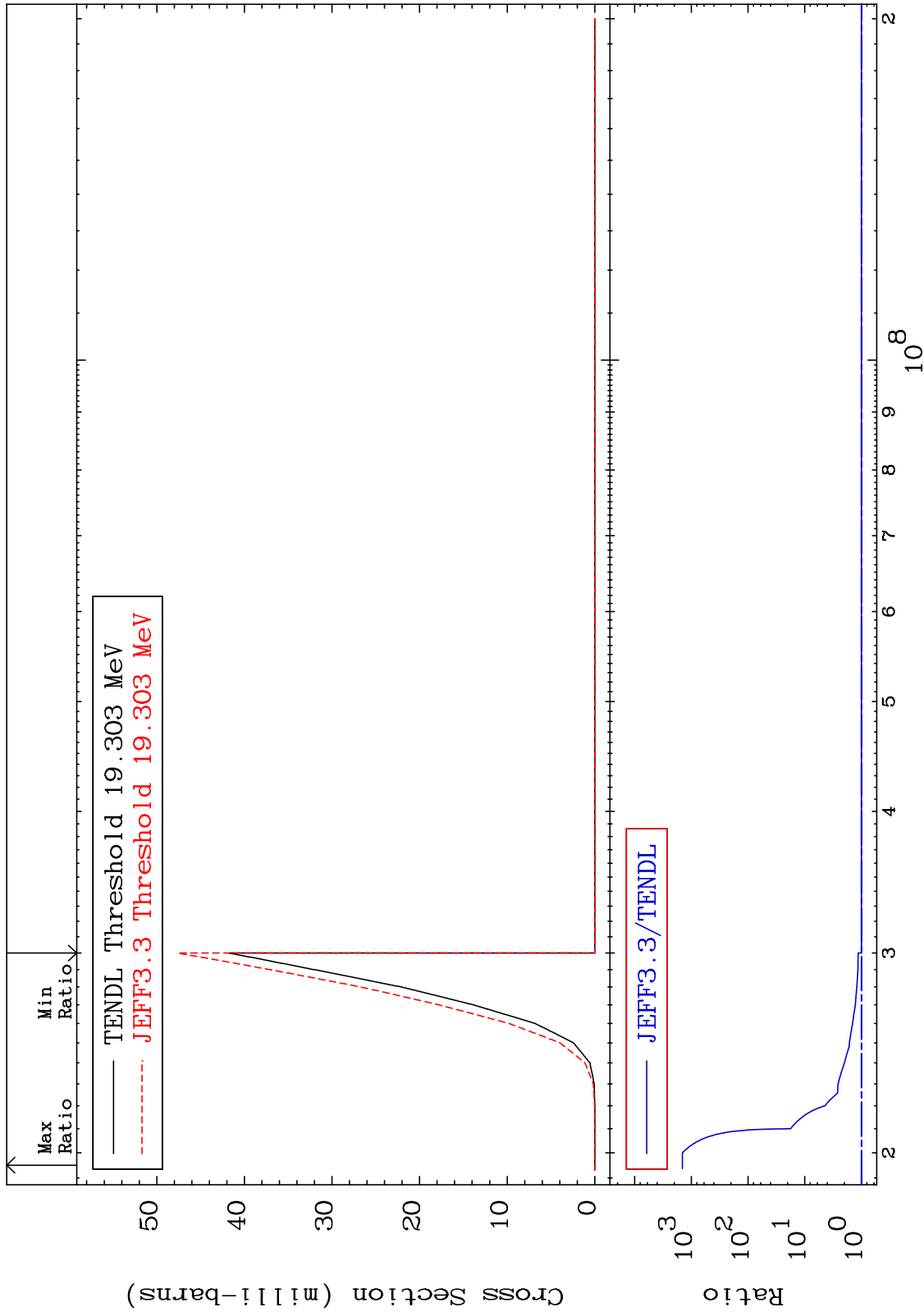
(n,2n) p

<sup>32</sup>Ge-72

Cross Section

0.000

To 9999. %

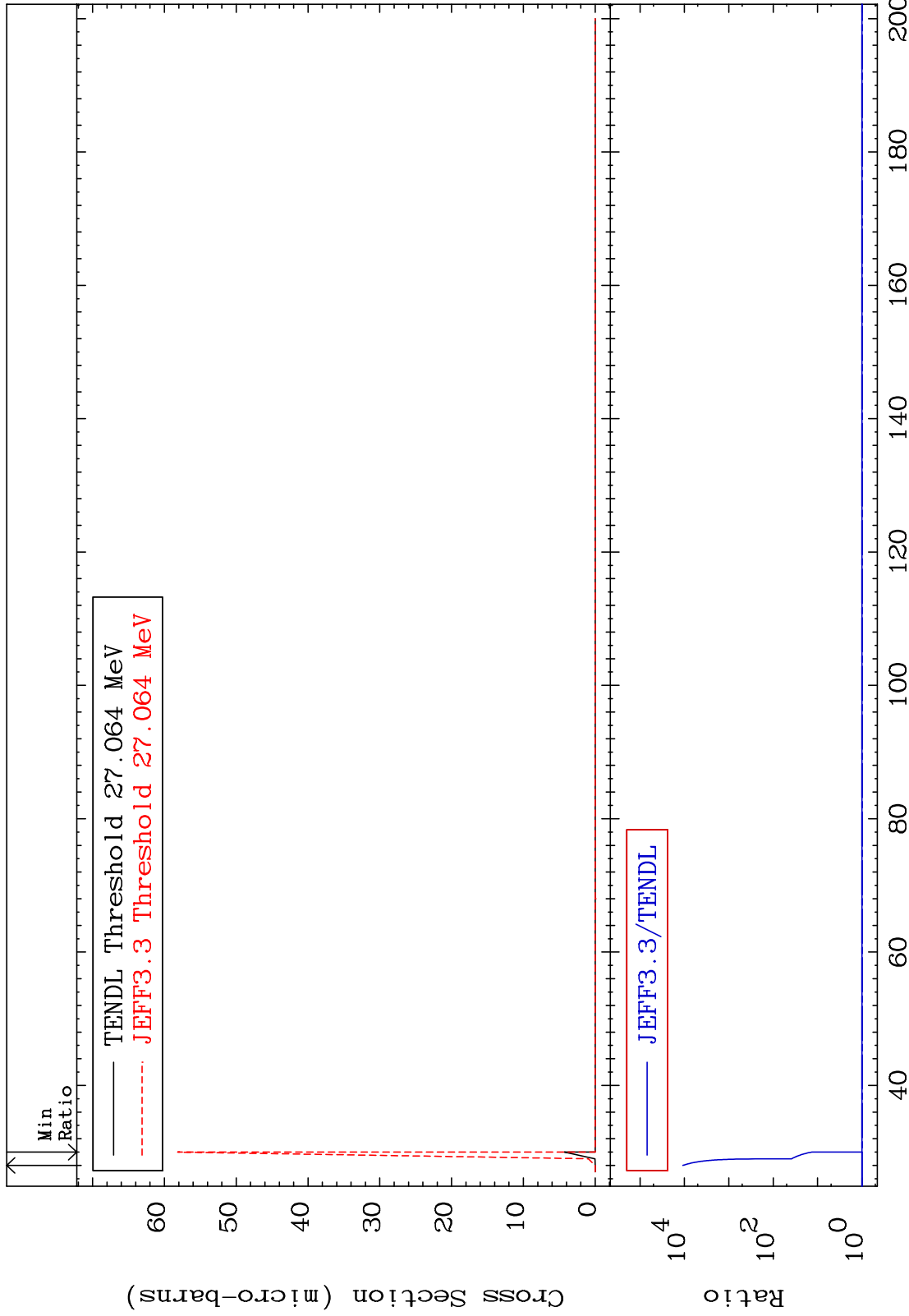




MAT 3231

(n,3n) p  
Cross Section

32-Ge-72  
0.000 To 9999. %

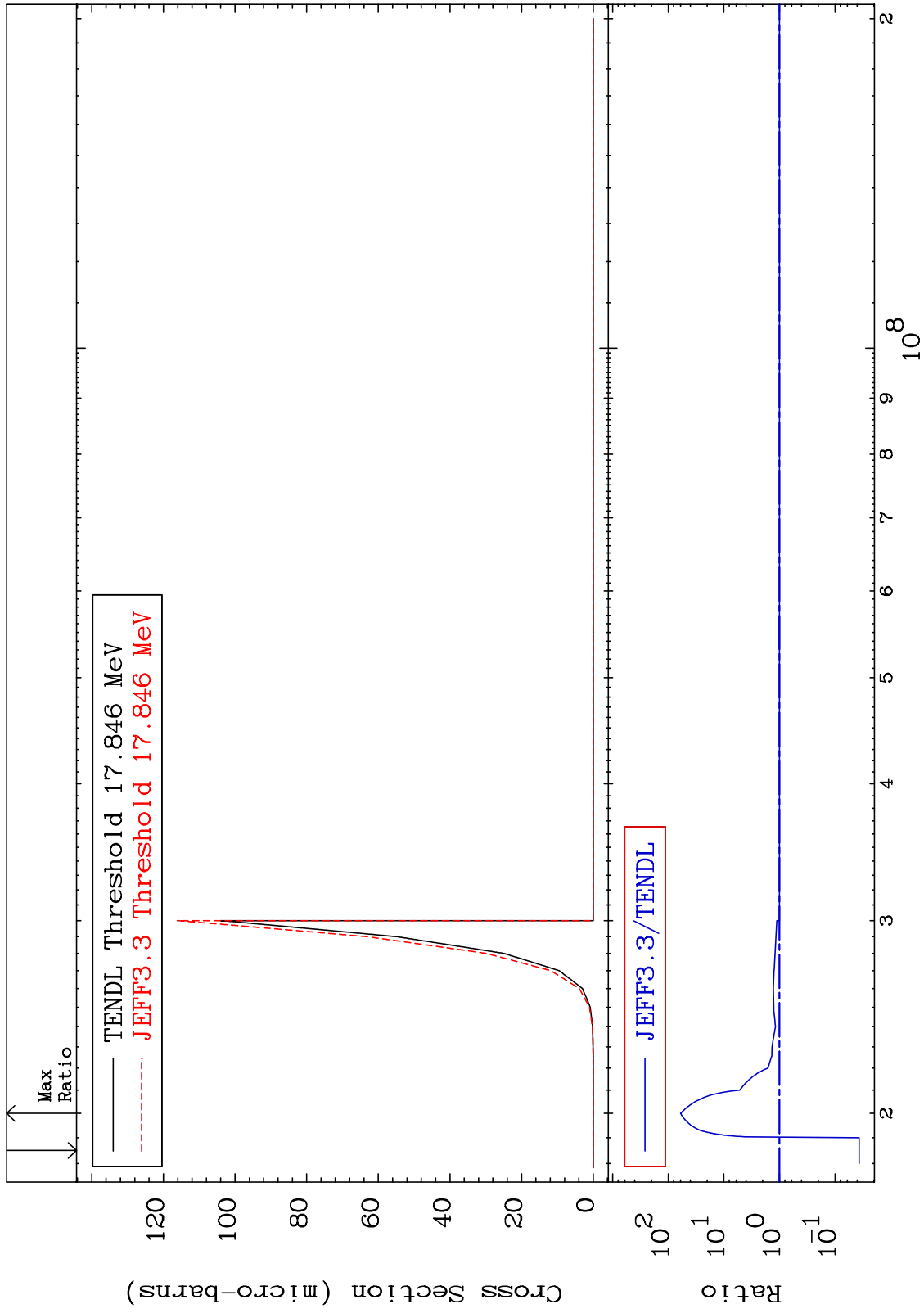


32-Ge-72

MAT 3231

(n,2n) p  
Cross Section

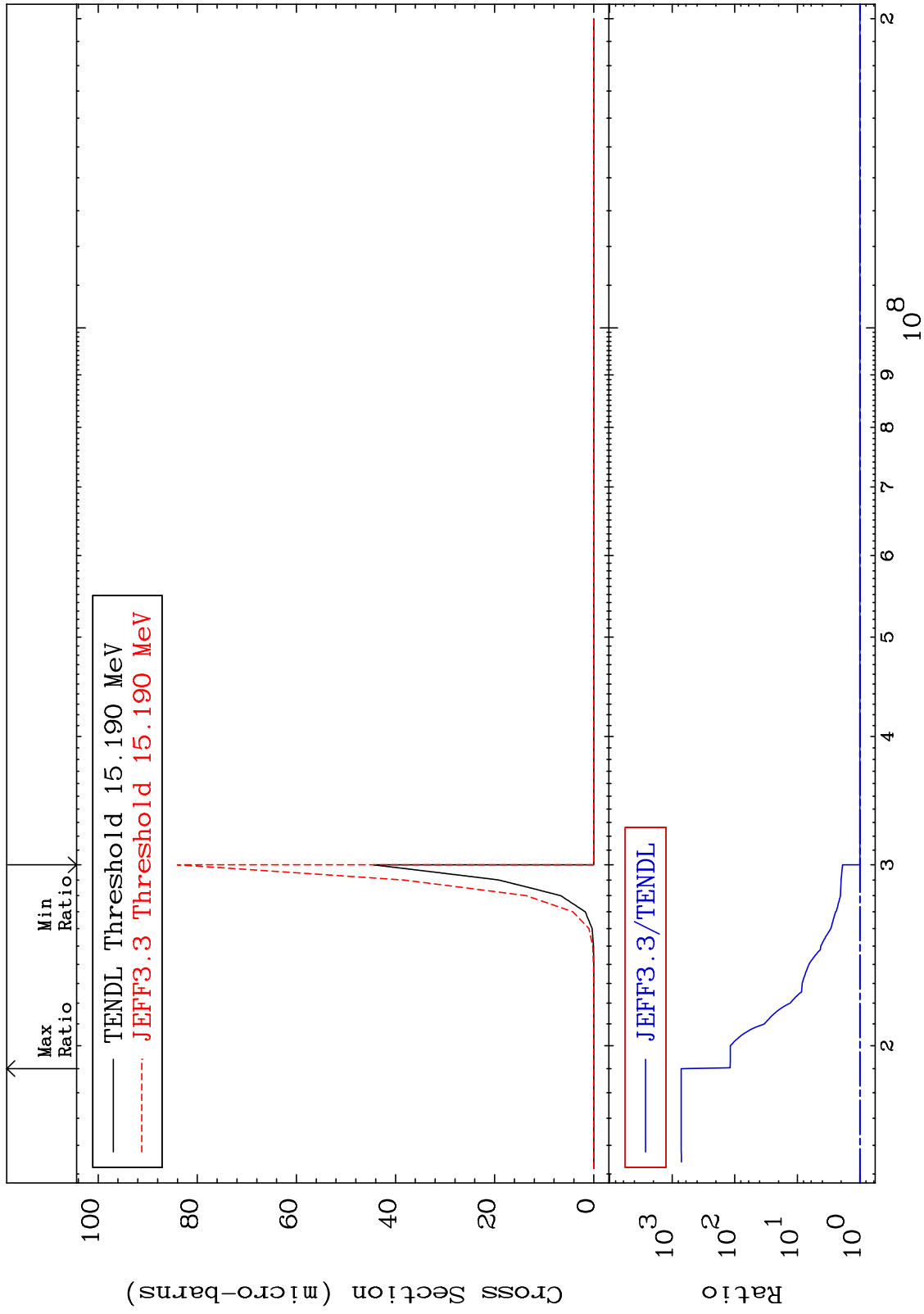
32-Ge-72  
-96.32 To 5884. %



MAT 3231

(n,n') p  $\alpha$   
Cross Section

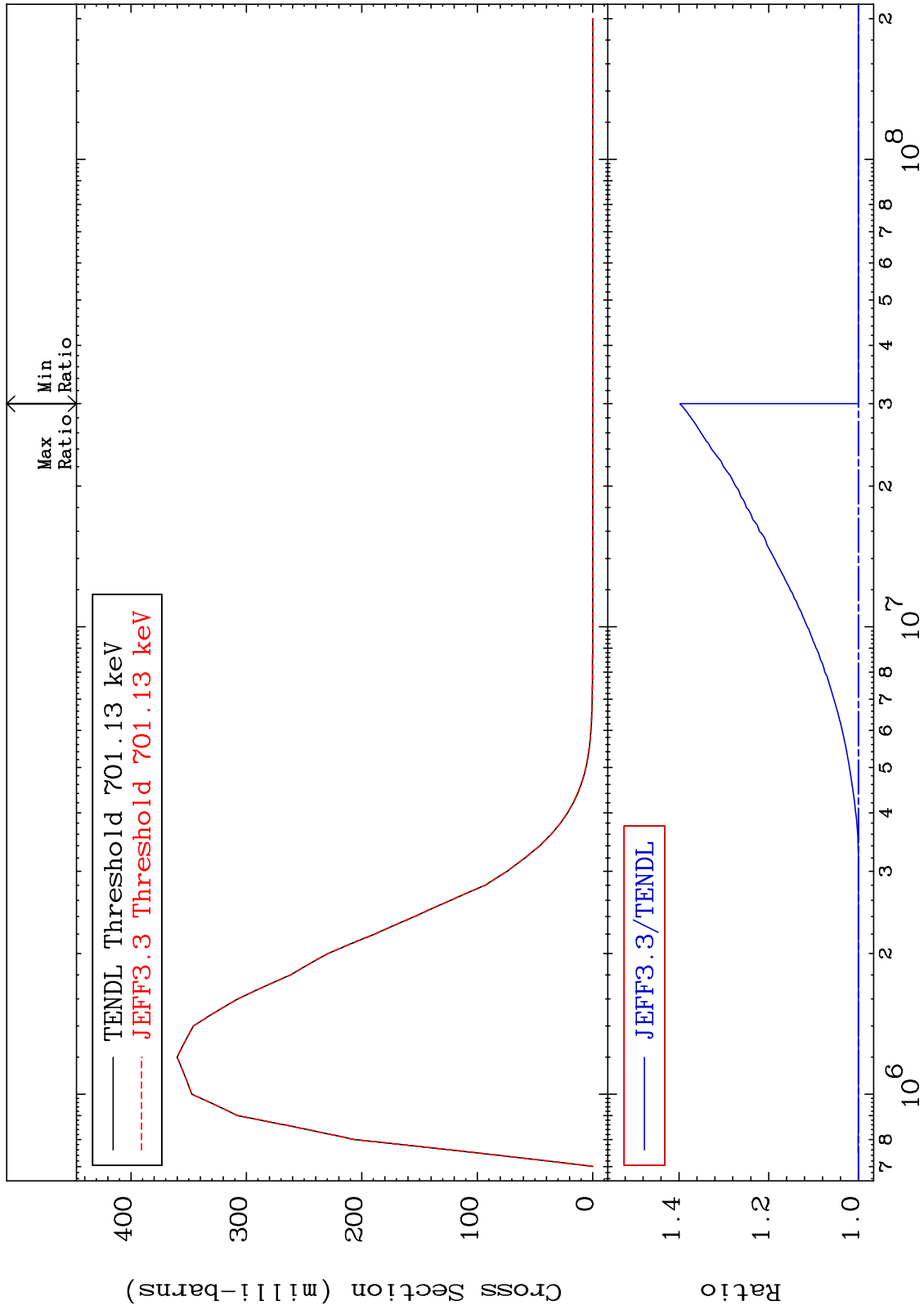
32-Ge-72  
0.000 To 9999. %



MAT 3231

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

0.000 To 39.77 %  
32-Ge-72



19

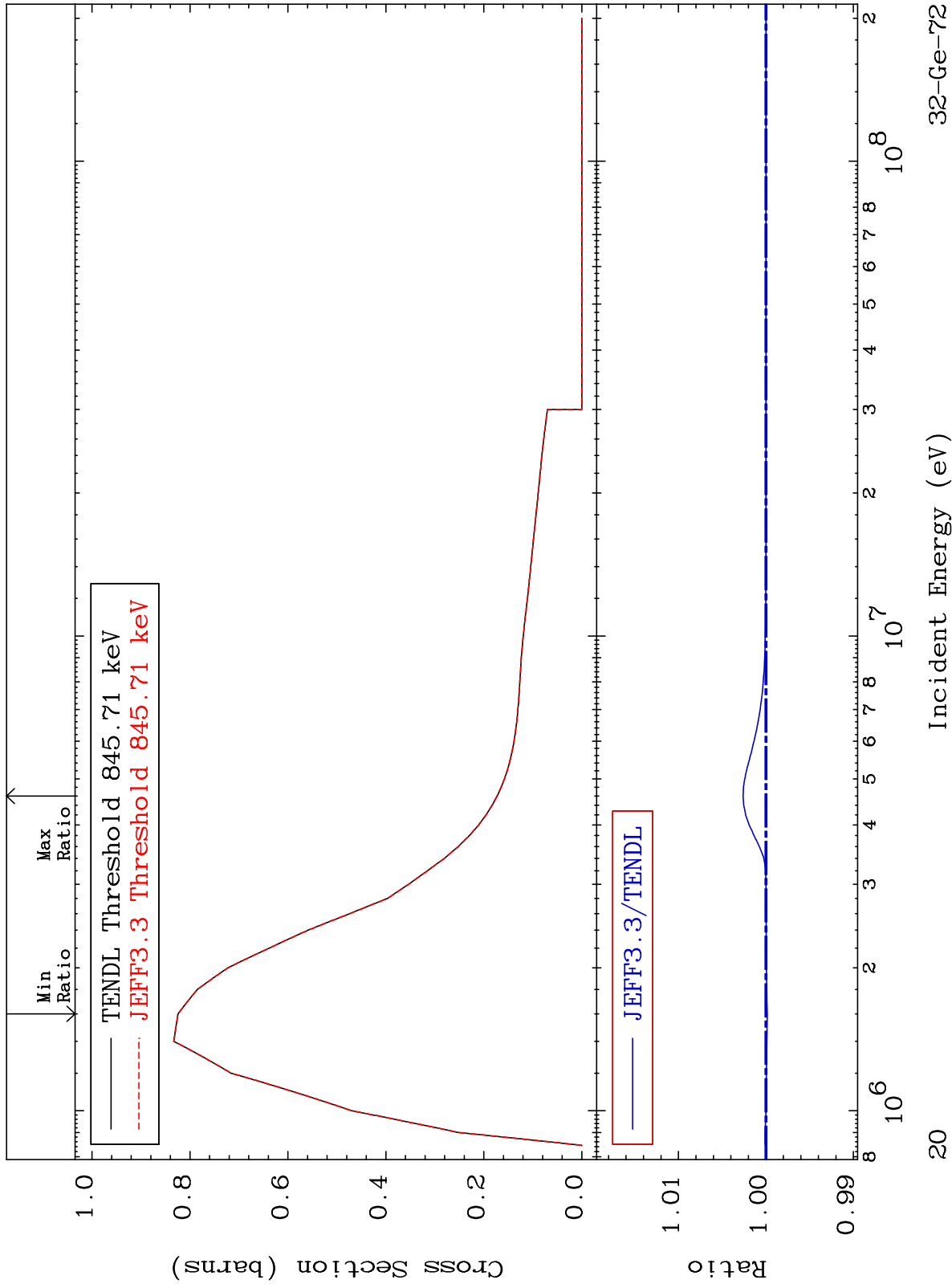
Incident Energy (eV)

32-Ge-72

MAT 3231

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

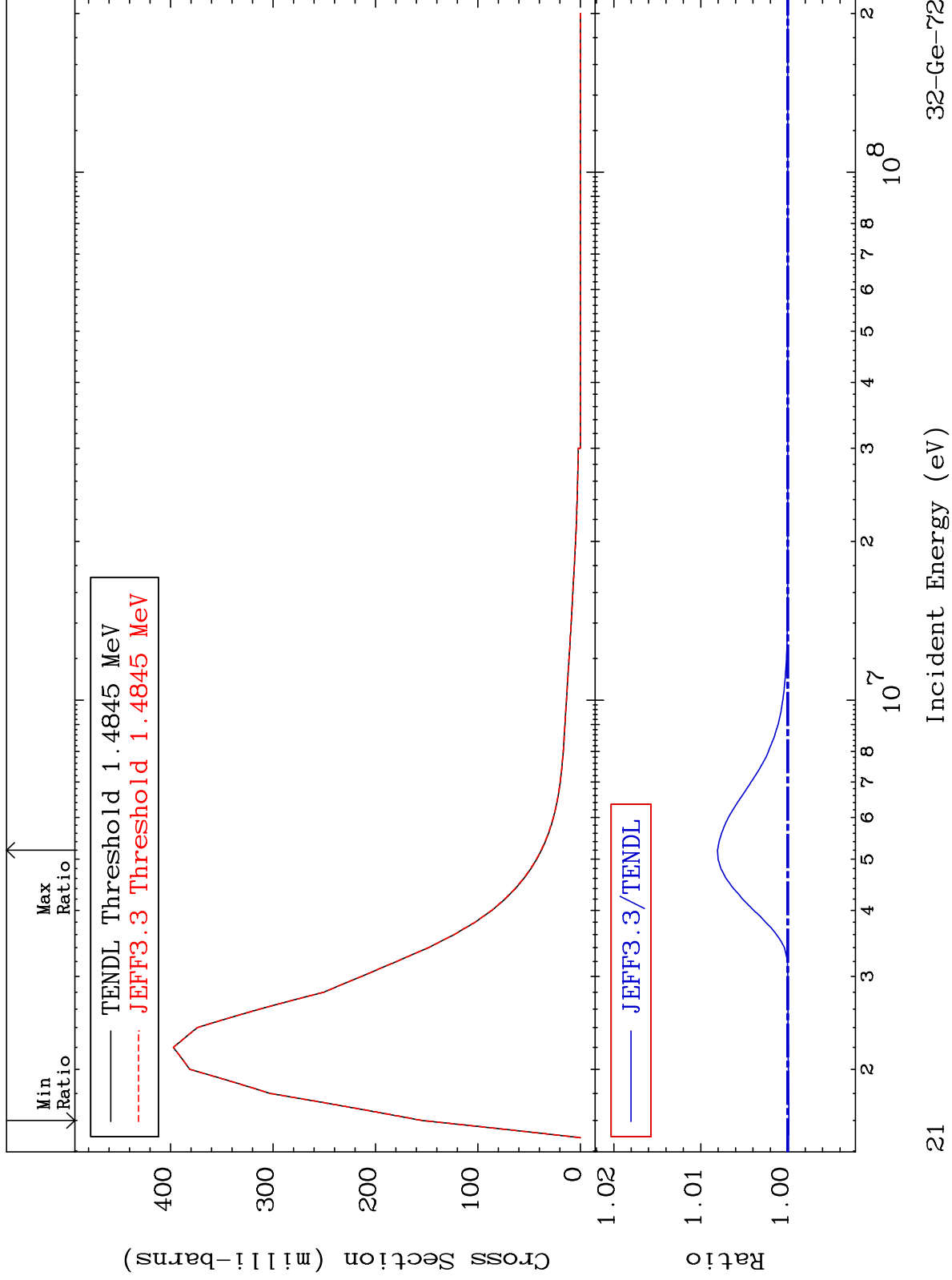
32-Ge-72  
-0.014 To 0.262 %



MAT 3231

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

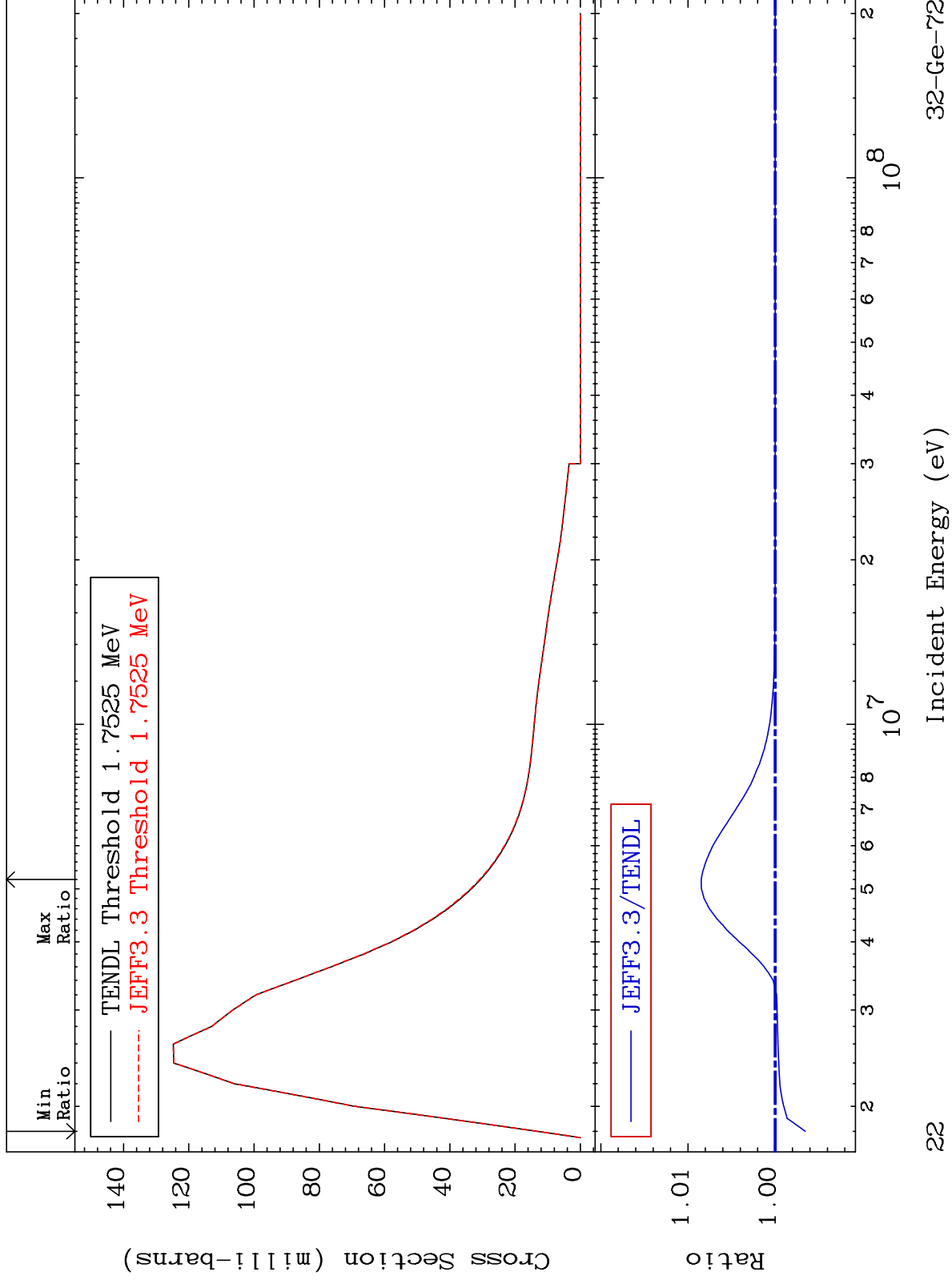
32-Ge-72  
-0.013 To 0.808 %



MAT 3231

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

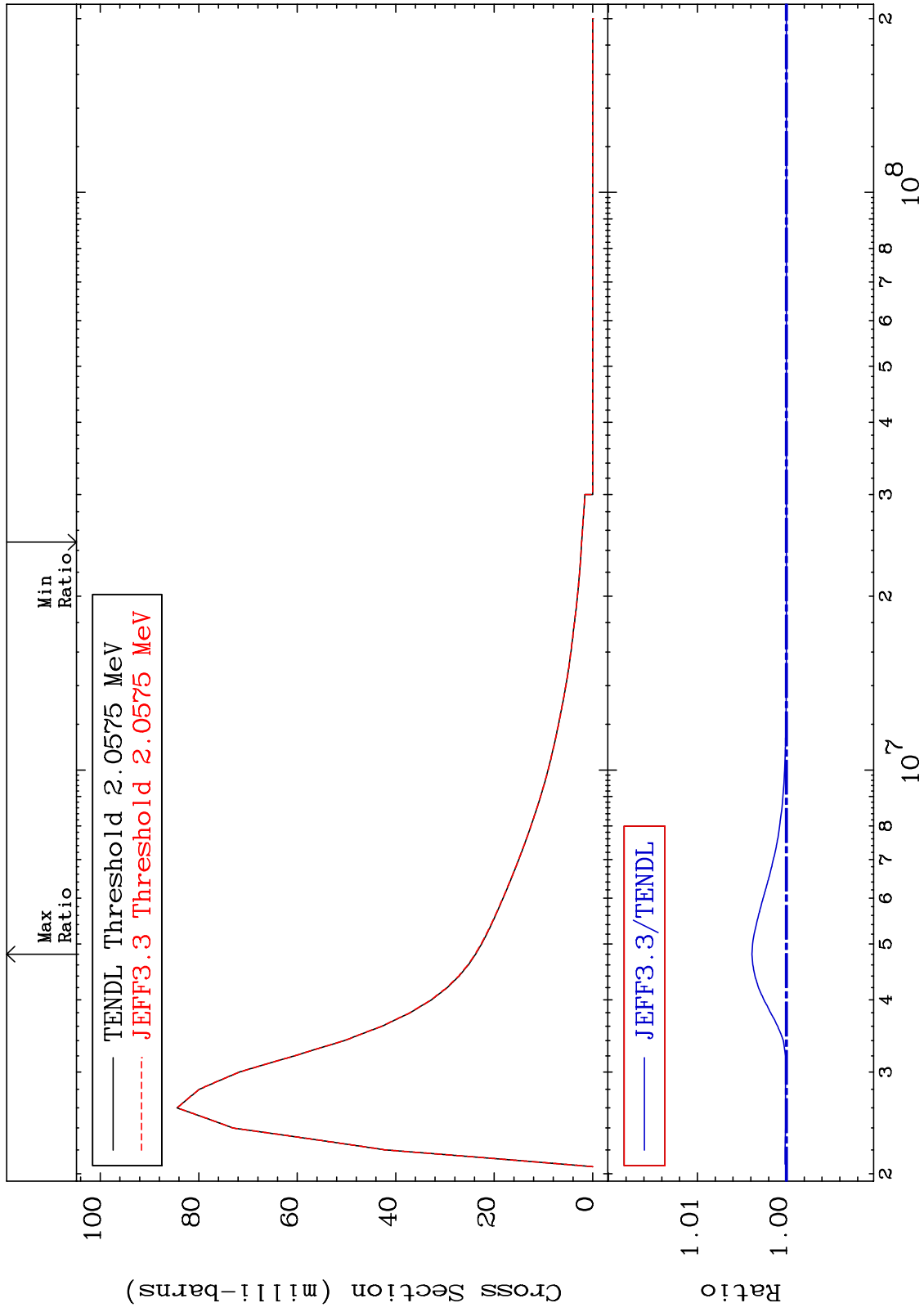
32-Ge-72  
-0.346 To 0.849 %



MAT 3231

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

32-Ge-72  
0.000 To 0.387 %

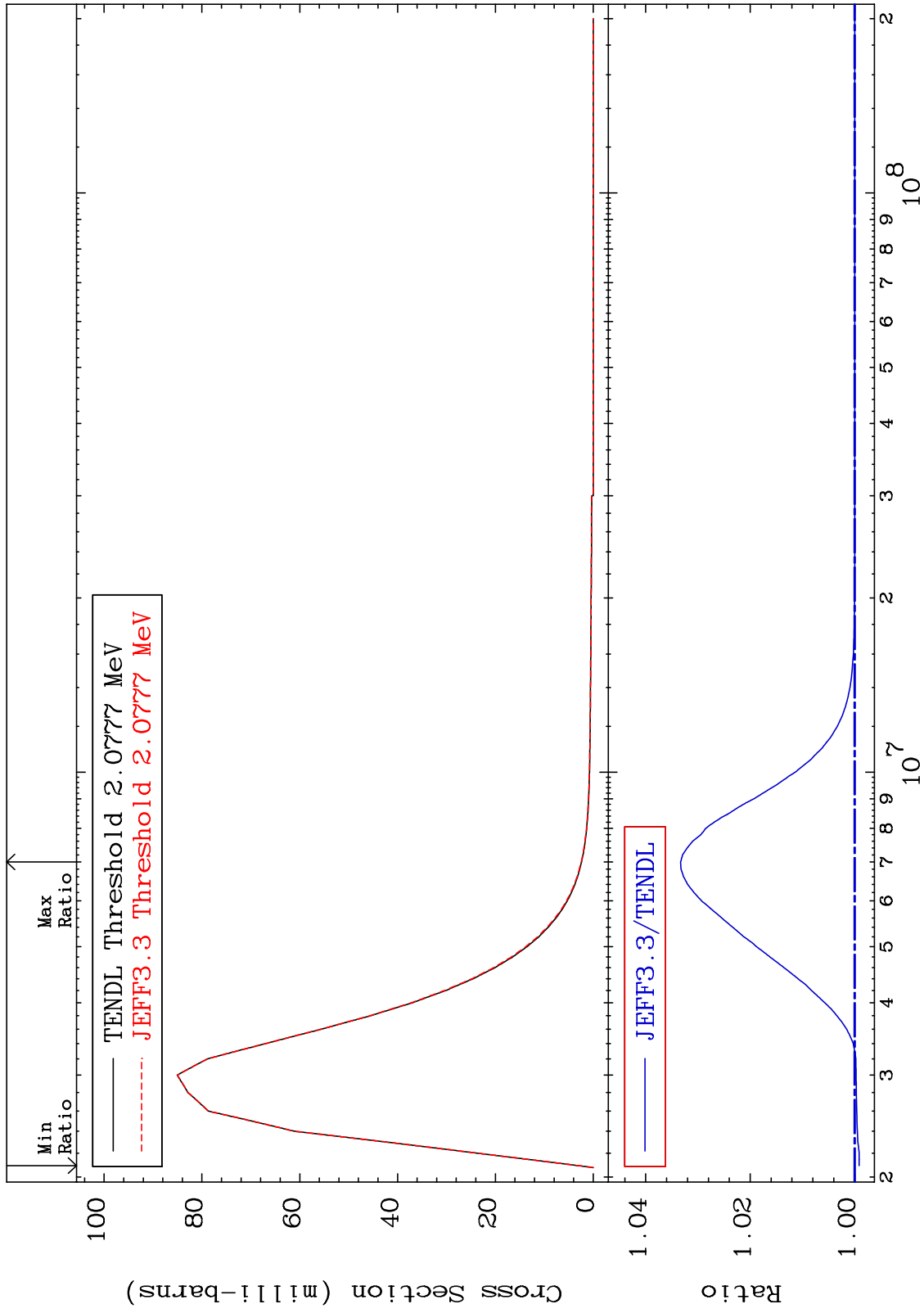




MAT 3231

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

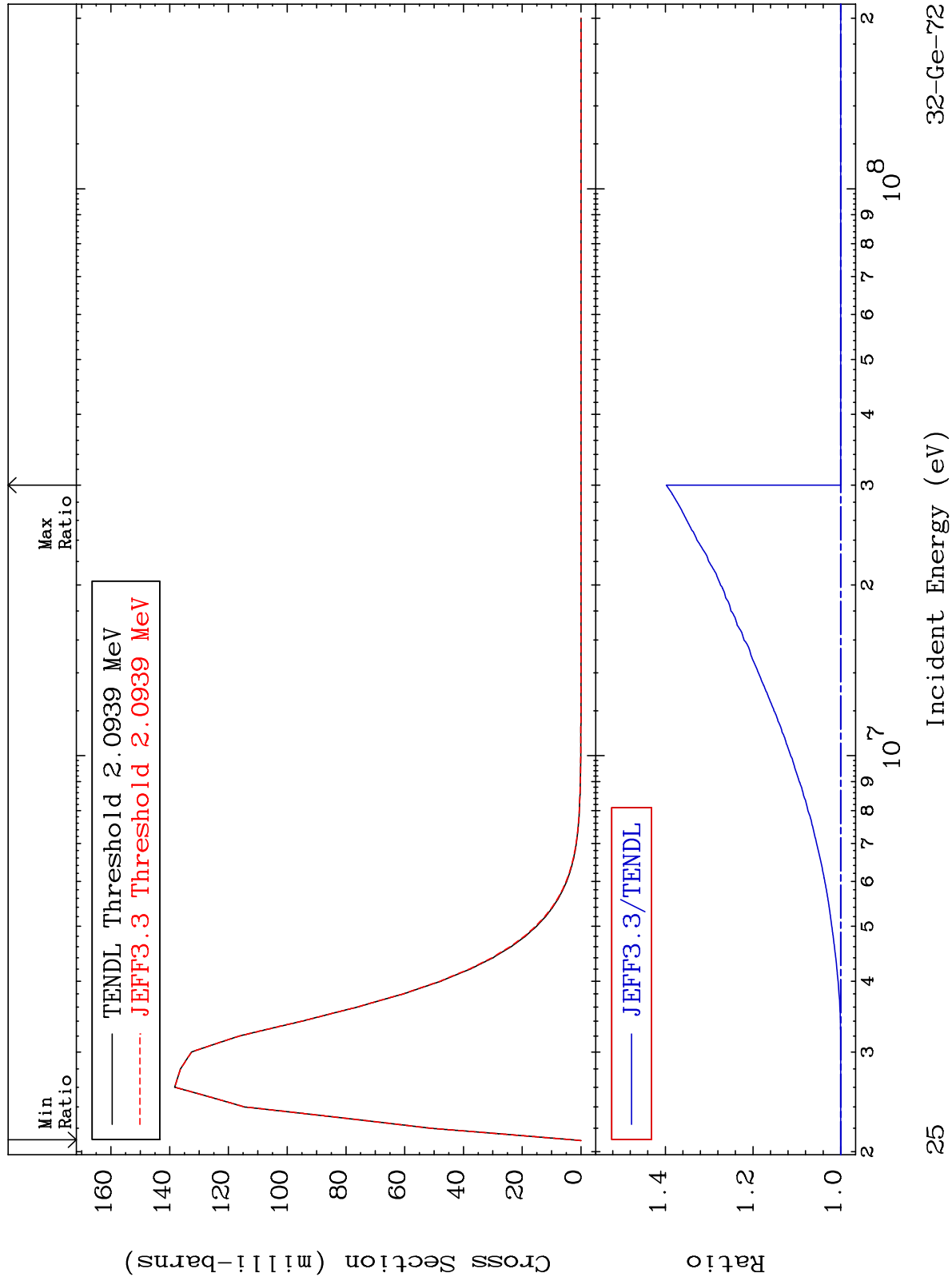
32-Ge-72  
-0.086 To 3.332 %



MAT 3231

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

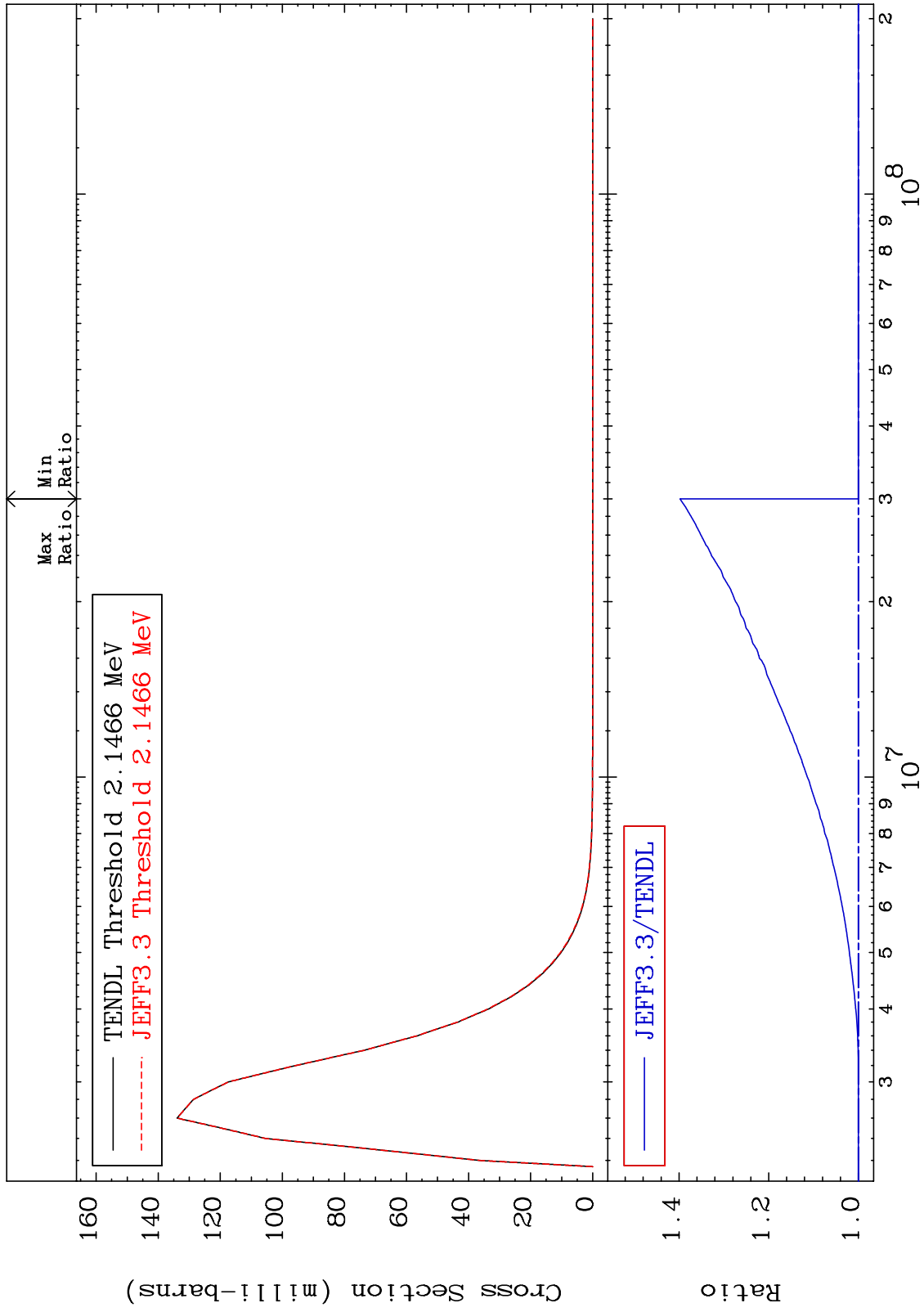
32-Ge-72  
-0.025 To 39.77 %



MAT 3231

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

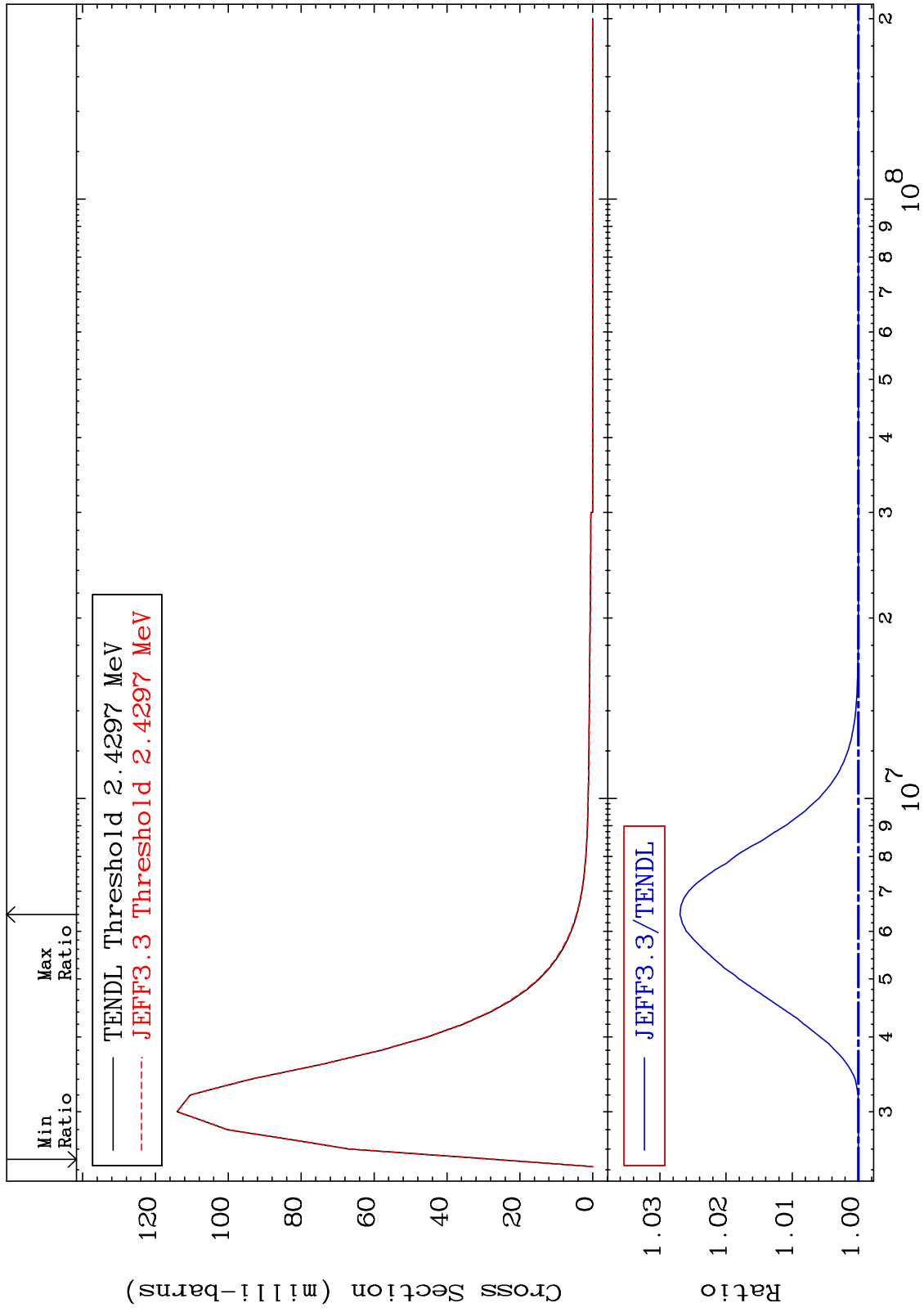
32-Ge-72  
0.000 To 39.78 %



MAT 3231

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

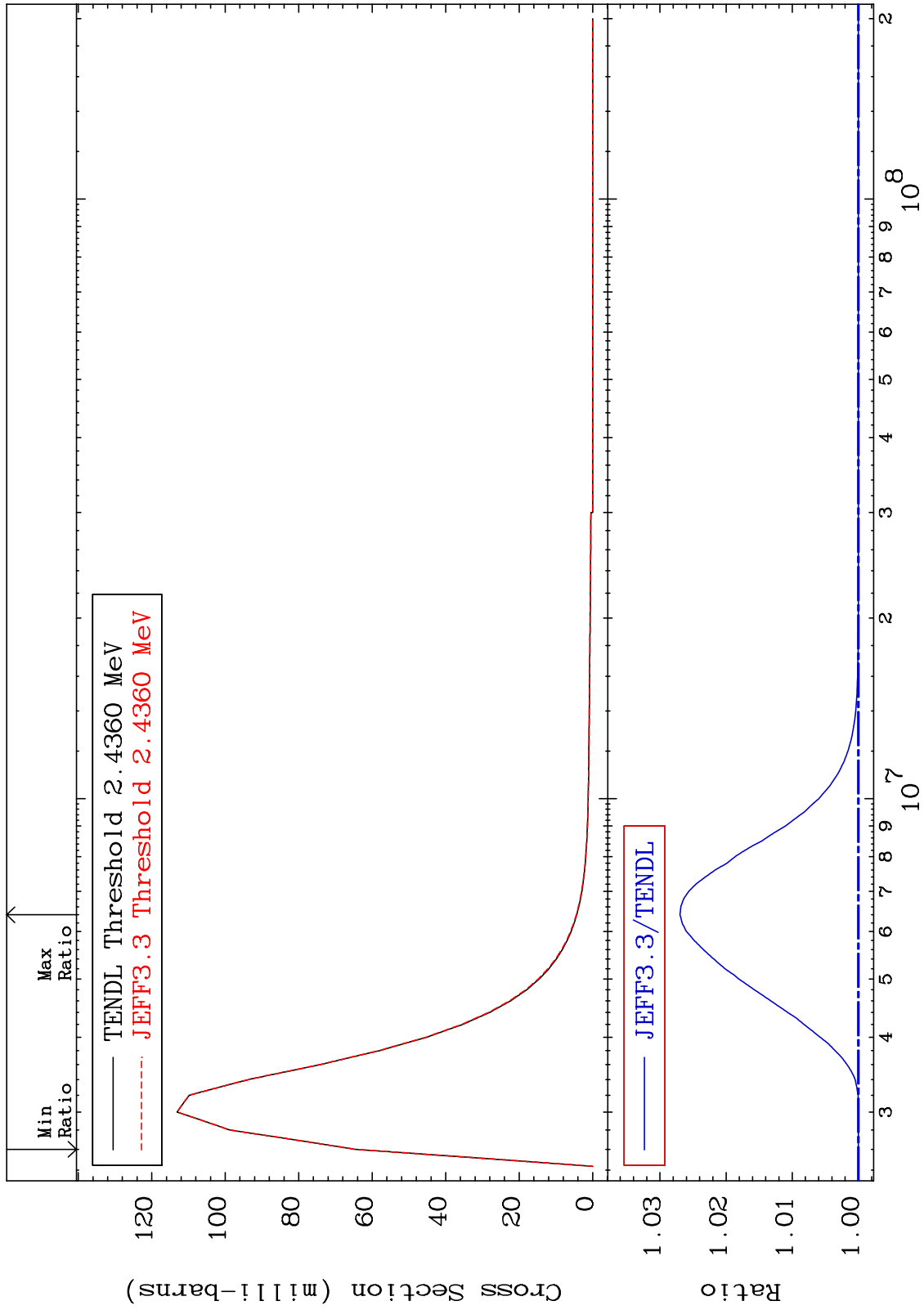
0.000 To 2.696 %  
32-Ge-72



MAT 3231

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

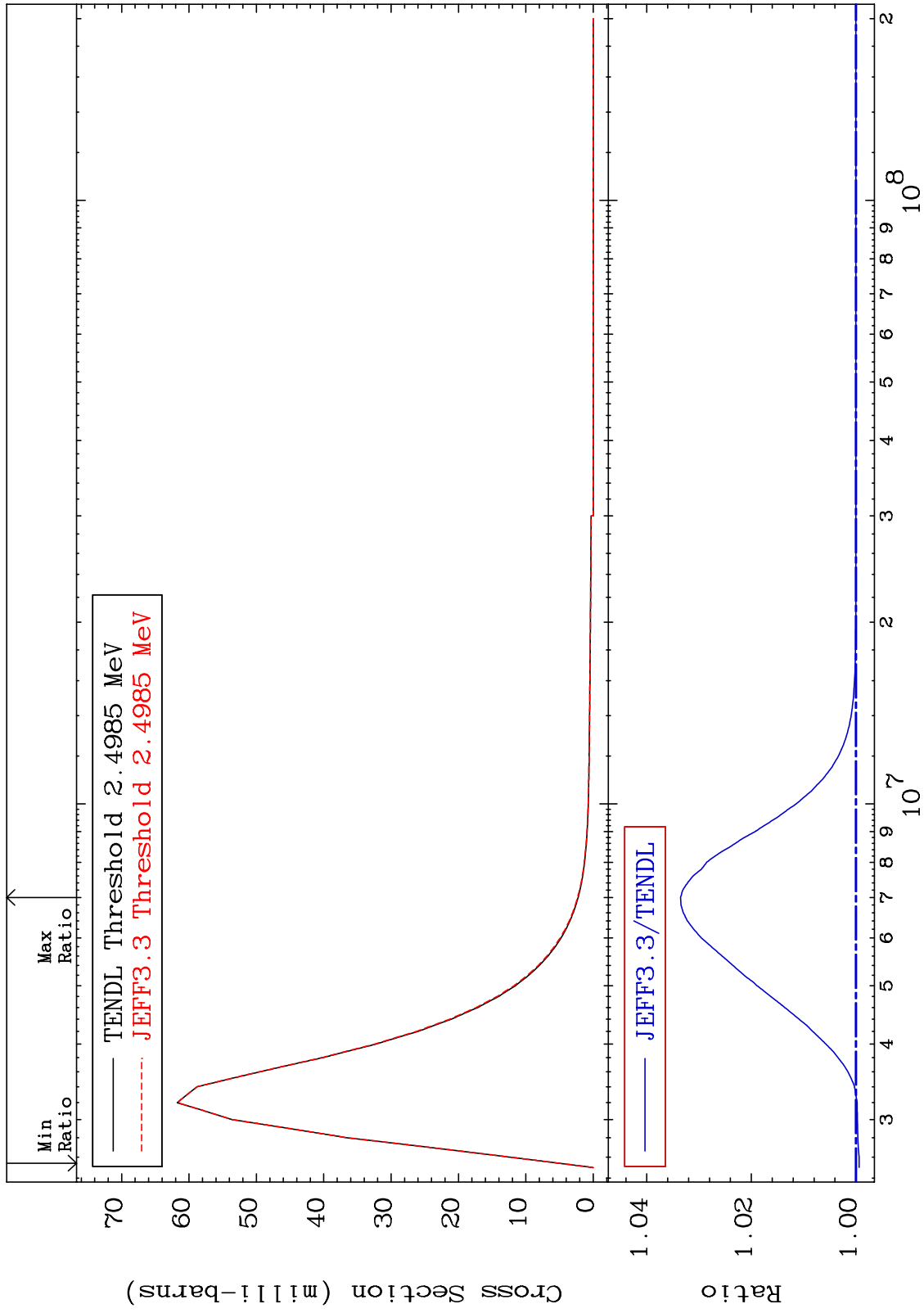
0.000 To 2.697 %  
32-Ge-72



MAT 3231

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

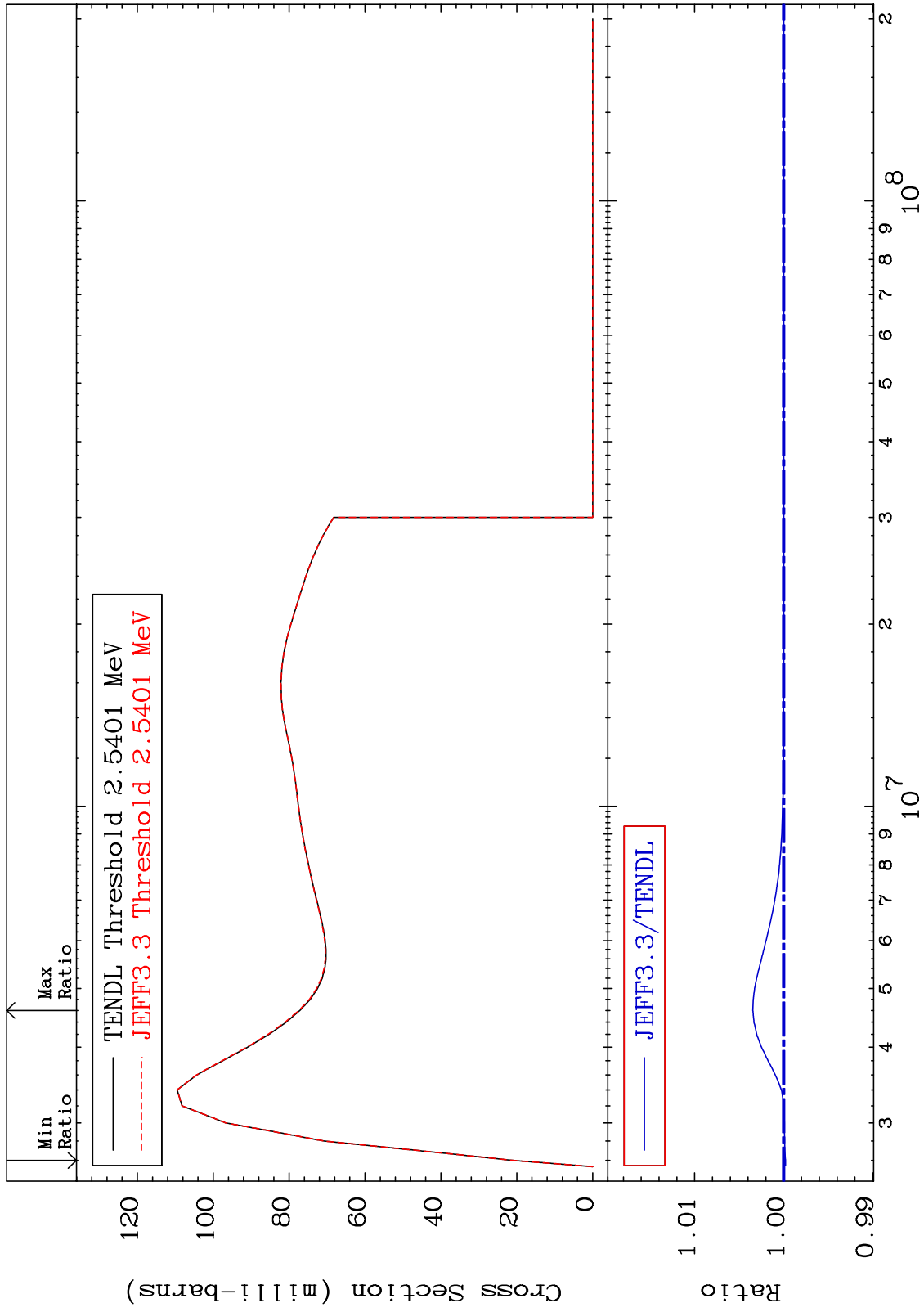
32-Ge-72  
-0.063 To 3.353 %



MAT 3231

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

32-Ge-72  
-0.021 To 0.346 %



30

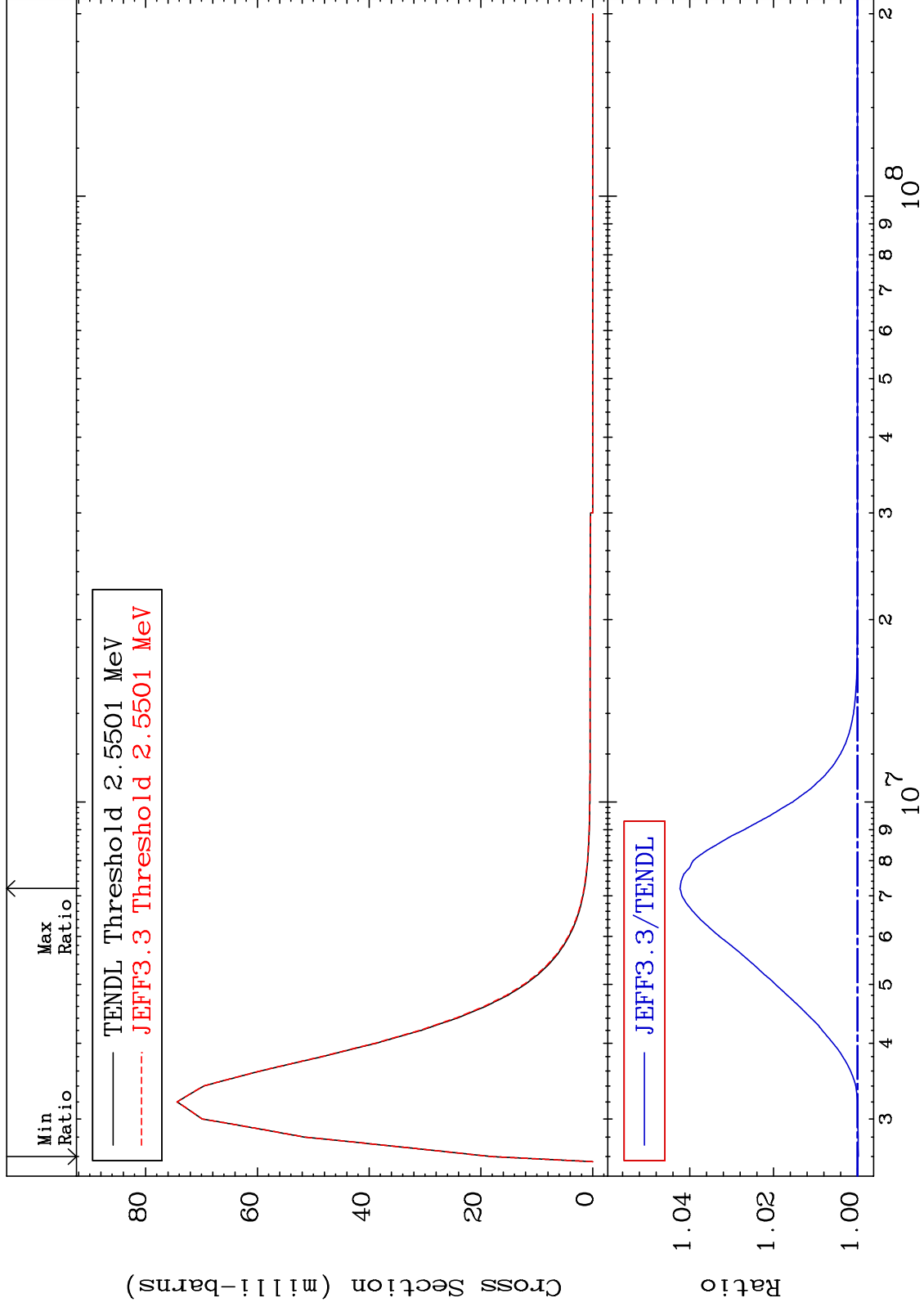
Incident Energy (eV)

32-Ge-72

MAT 3231

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

32-Ge-72  
-0.021 To 4.231 %

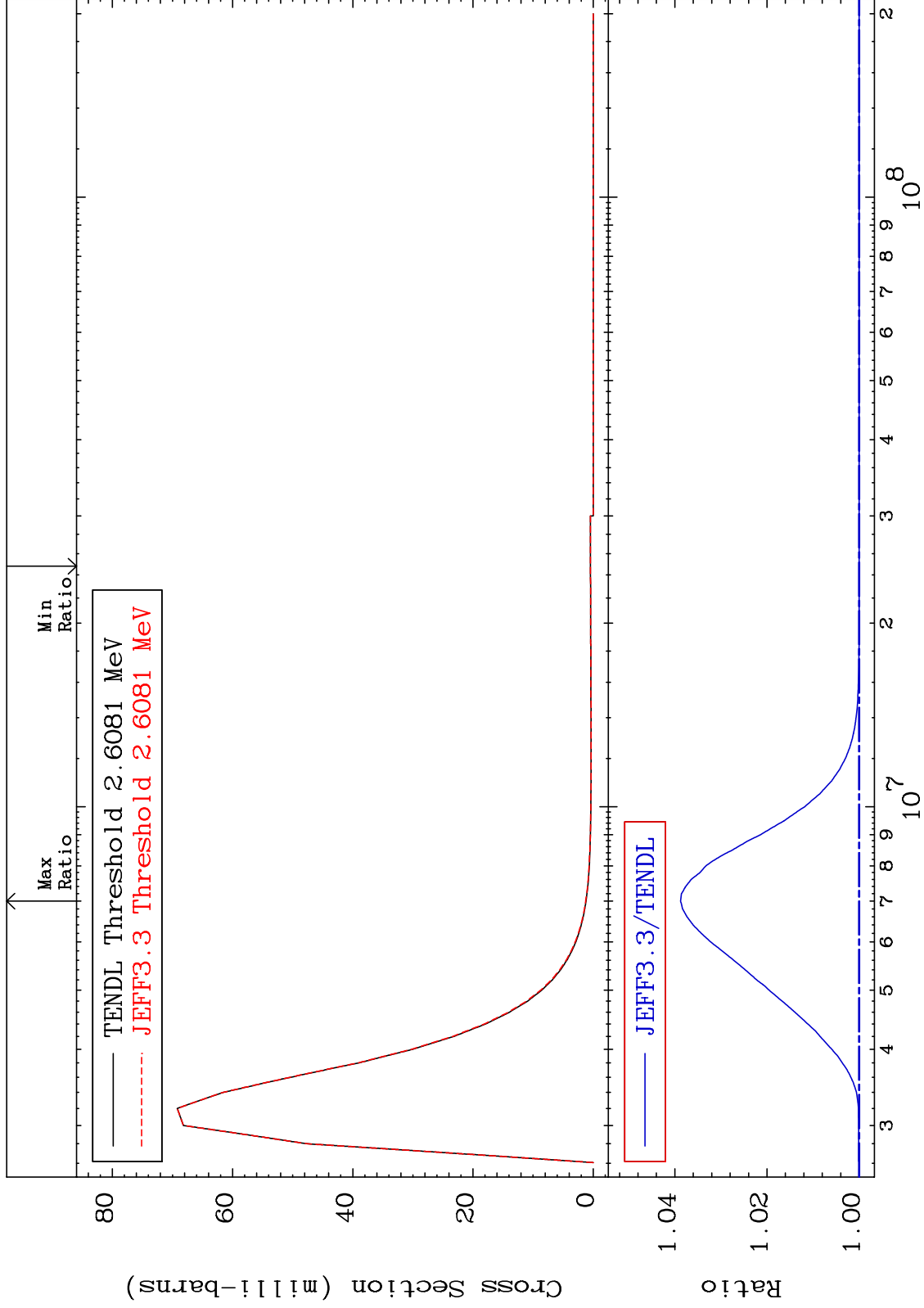




MAT 3231

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

32-Ge-72  
0.000 To 3.875 %



32

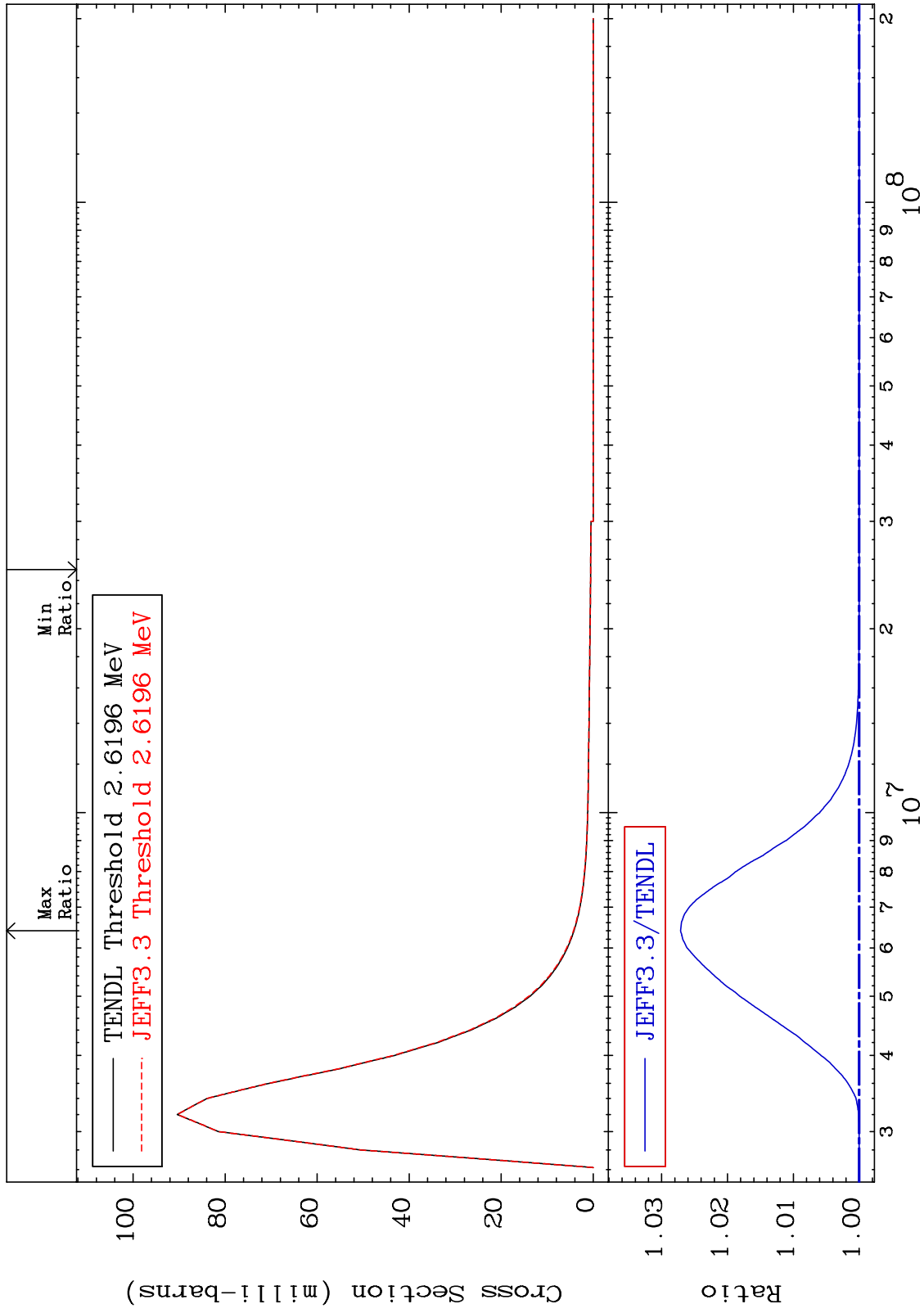
Incident Energy (eV)

32-Ge-72

MAT 3231

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

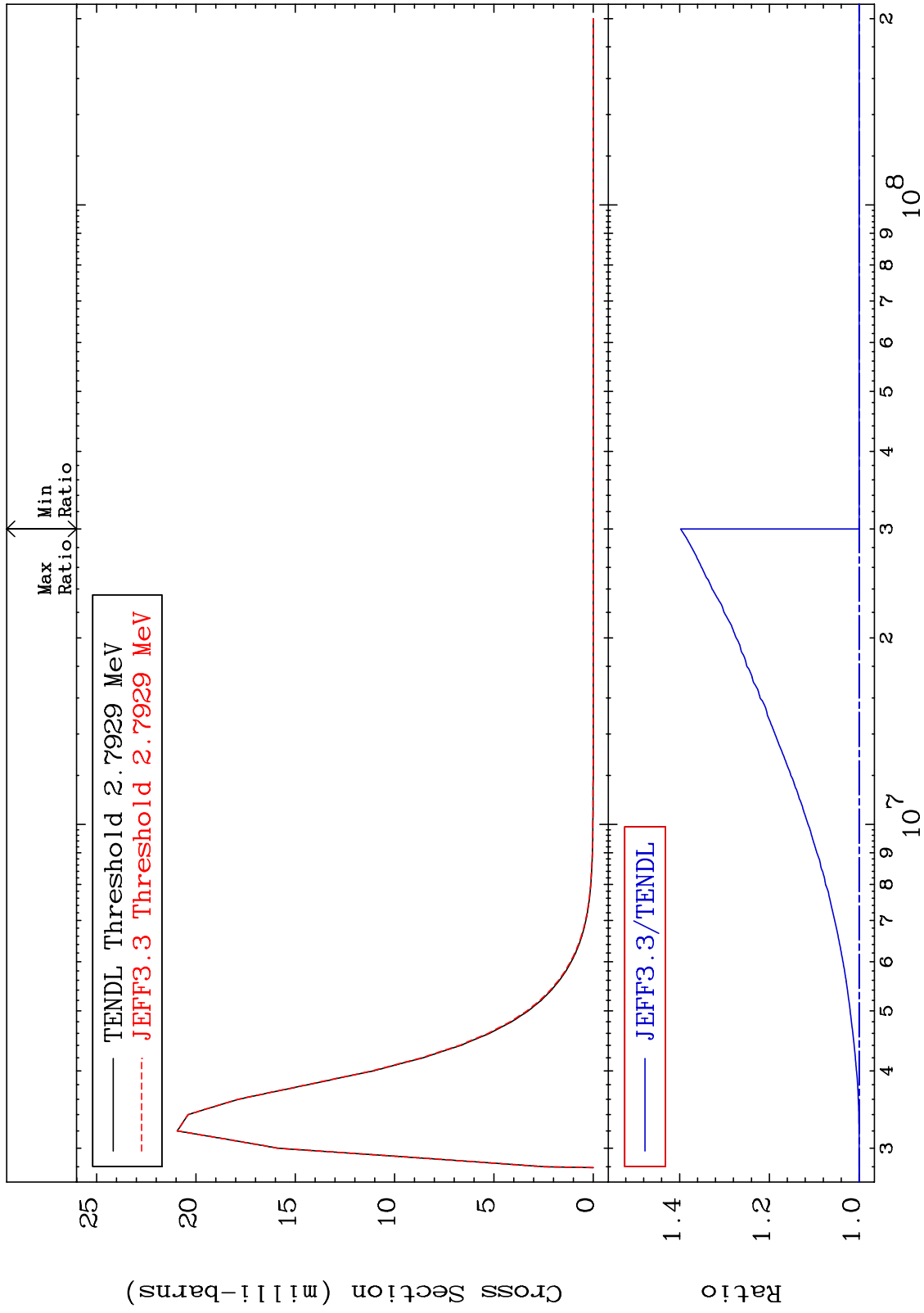
0.000 To 2.712 %  
32-Ge-72



MAT 3231

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

32-Ge-72  
0.000 To 39.78 %



34

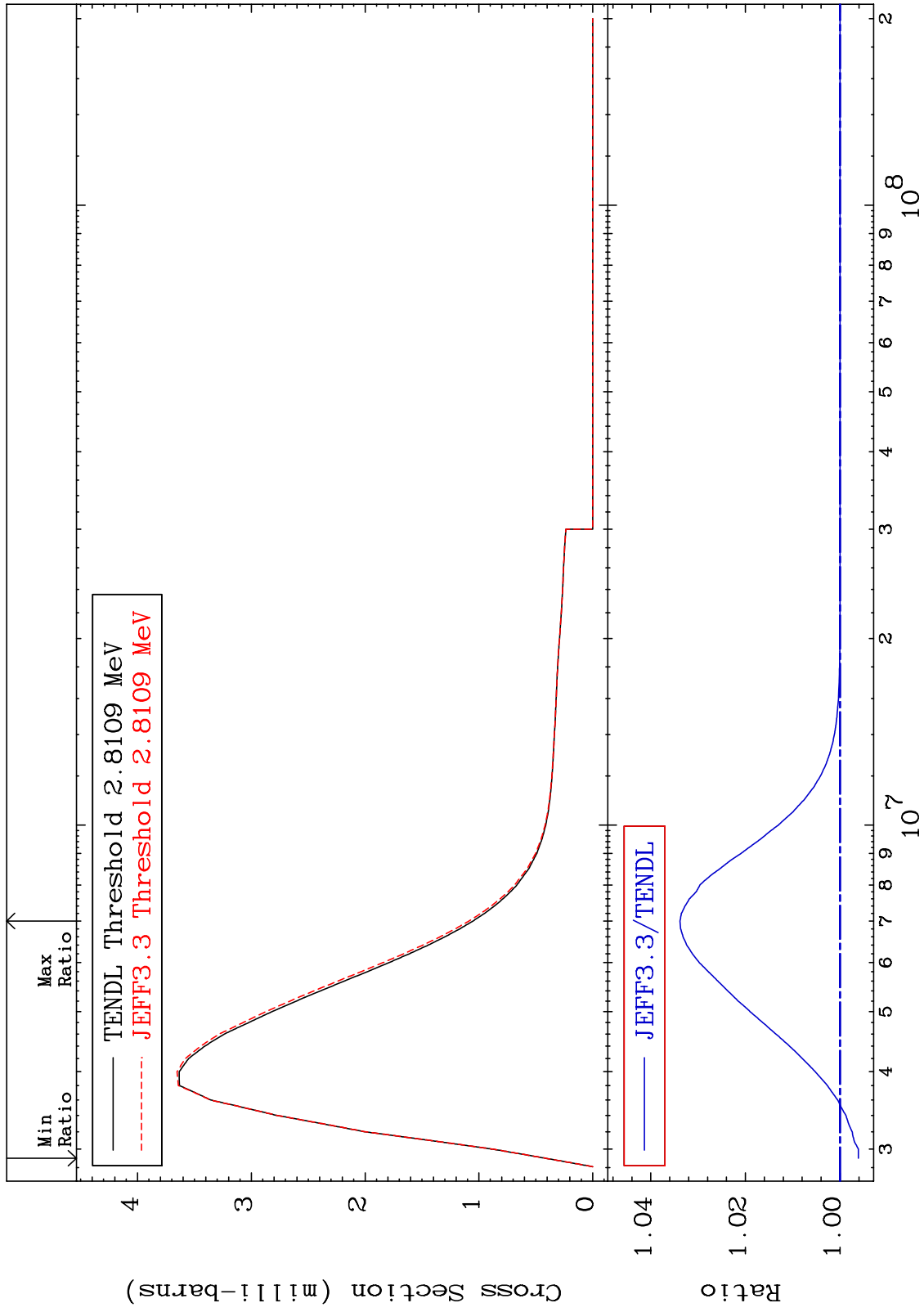
Incident Energy (eV)

32-Ge-72

MAT 3231

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

32-Ge-72  
-0.389 To 3.383 %



35

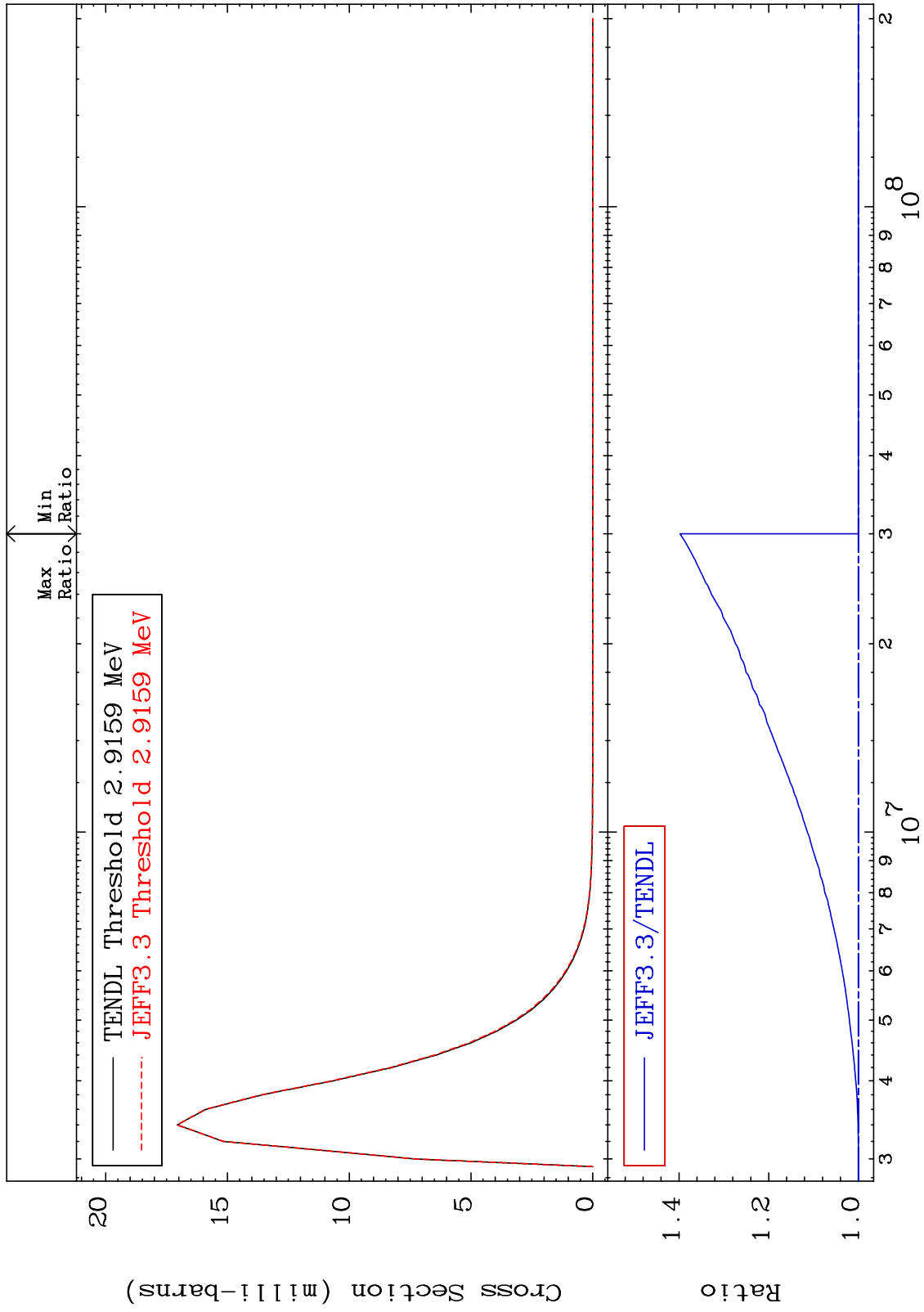
Incident Energy (eV)

32-Ge-72

MAT 3231

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

32-Ge-72  
0.000 To 39.78 %



36

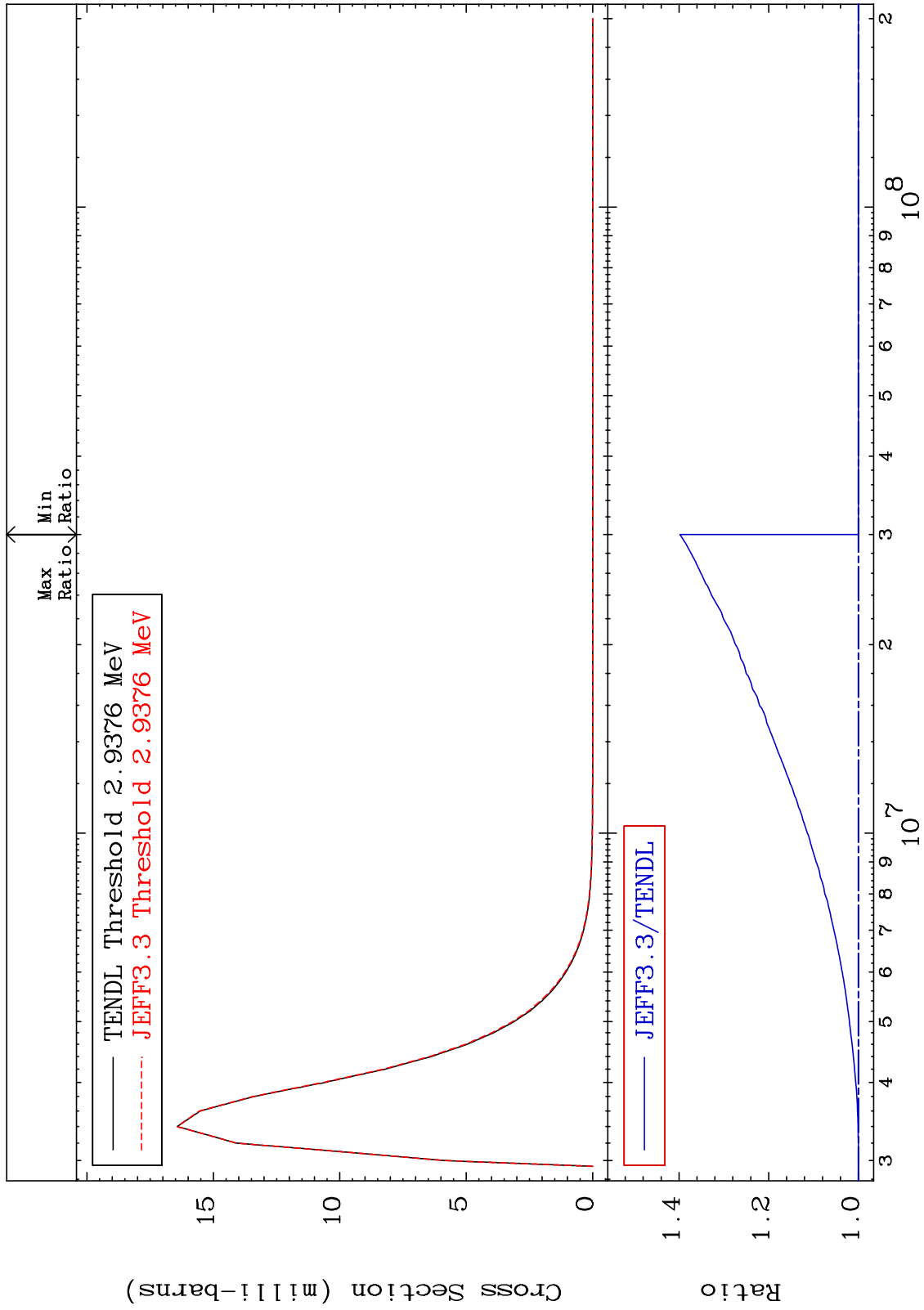
Incident Energy (eV)

32-Ge-72

MAT 3231

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

32-Ge-72  
0.000 To 39.78 %



37

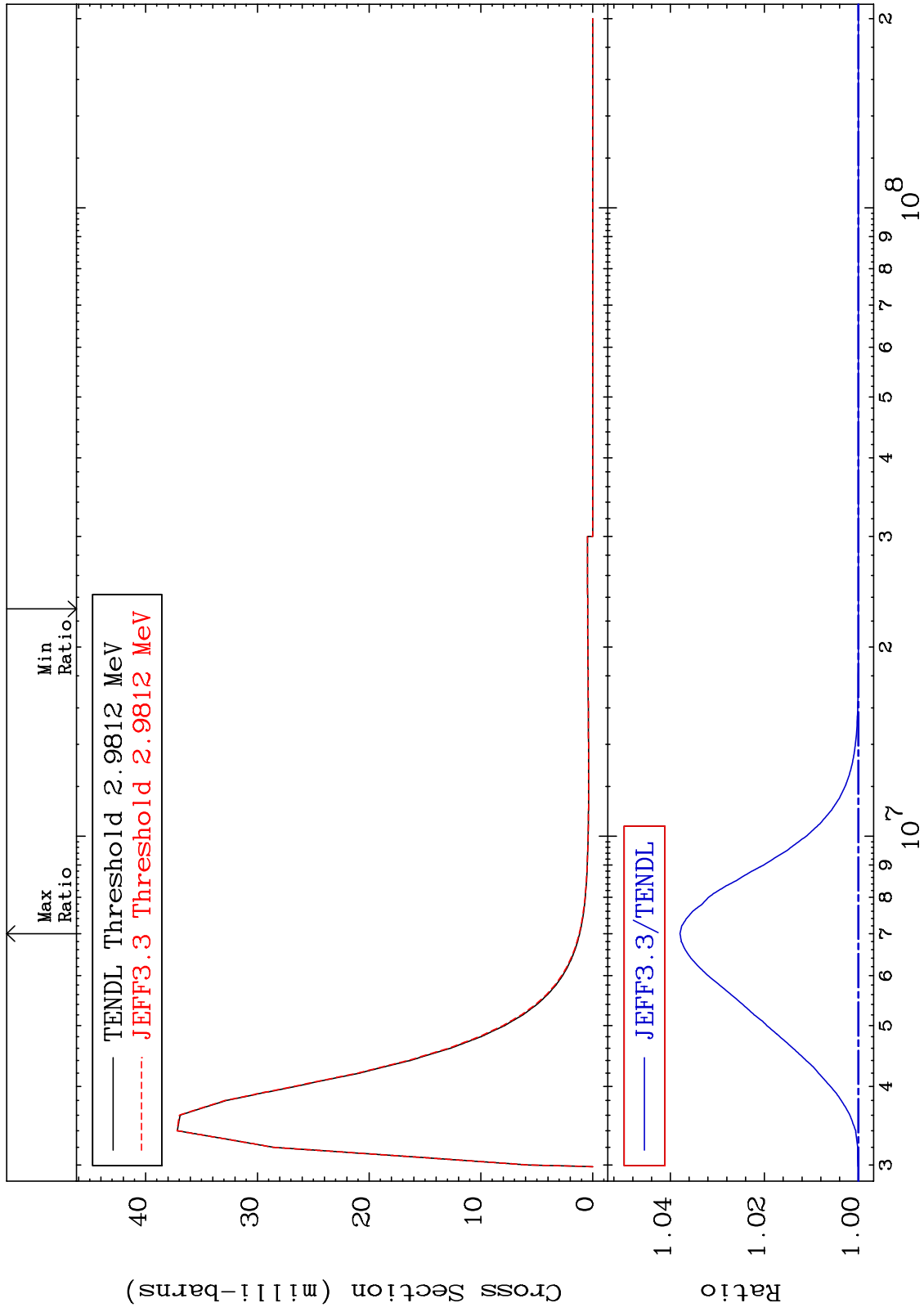
Incident Energy (eV)

32-Ge-72

MAT 3231

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

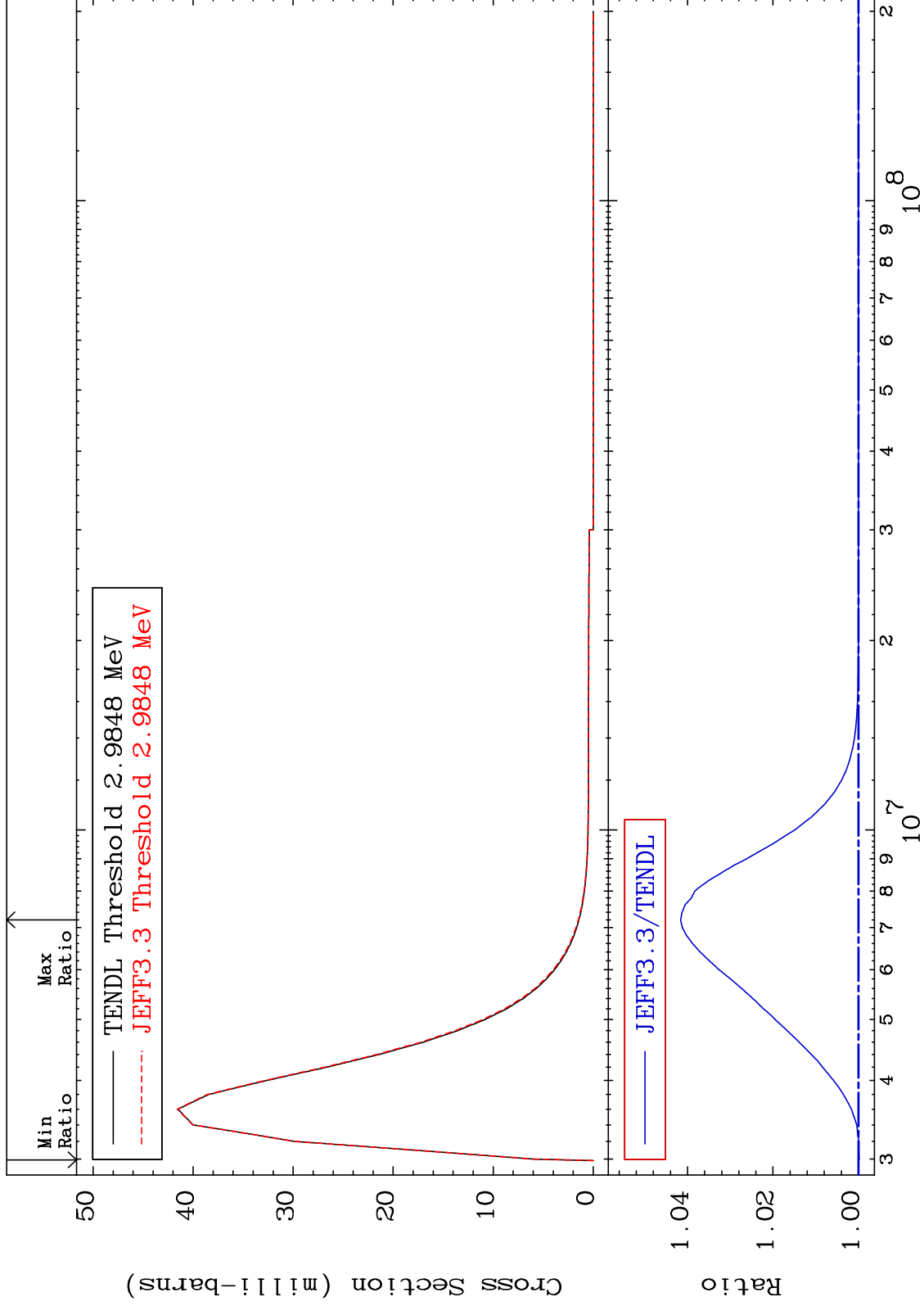
0.000 To 3.795 %  
32-Ge-72



MAT 3231

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

32-Ge-72  
-0.016 To 4.161 %



39

32-Ge-72

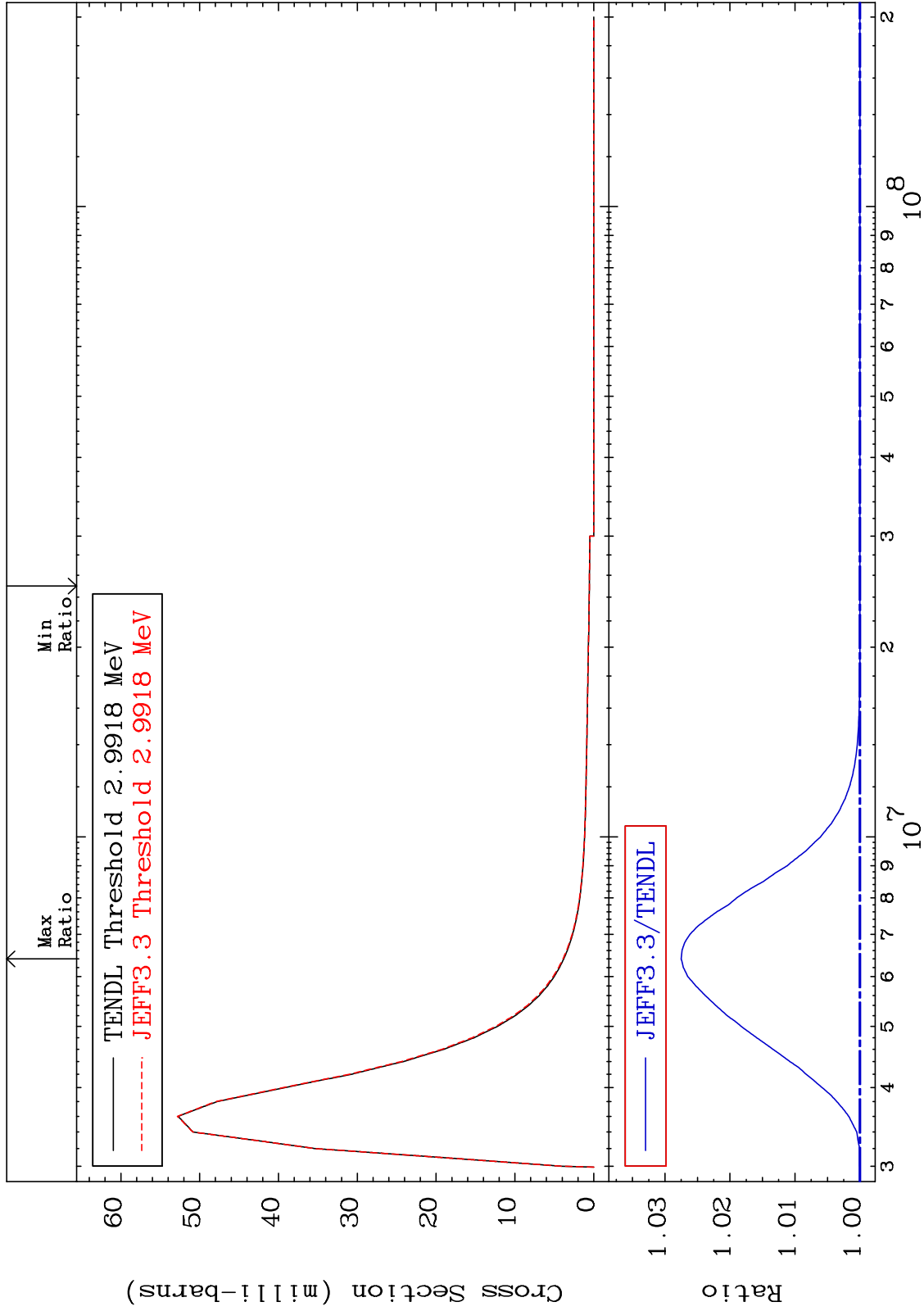
32-Ge-72



MAT 3231

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

32-Ge-72  
0.000 To 2.750 %



40

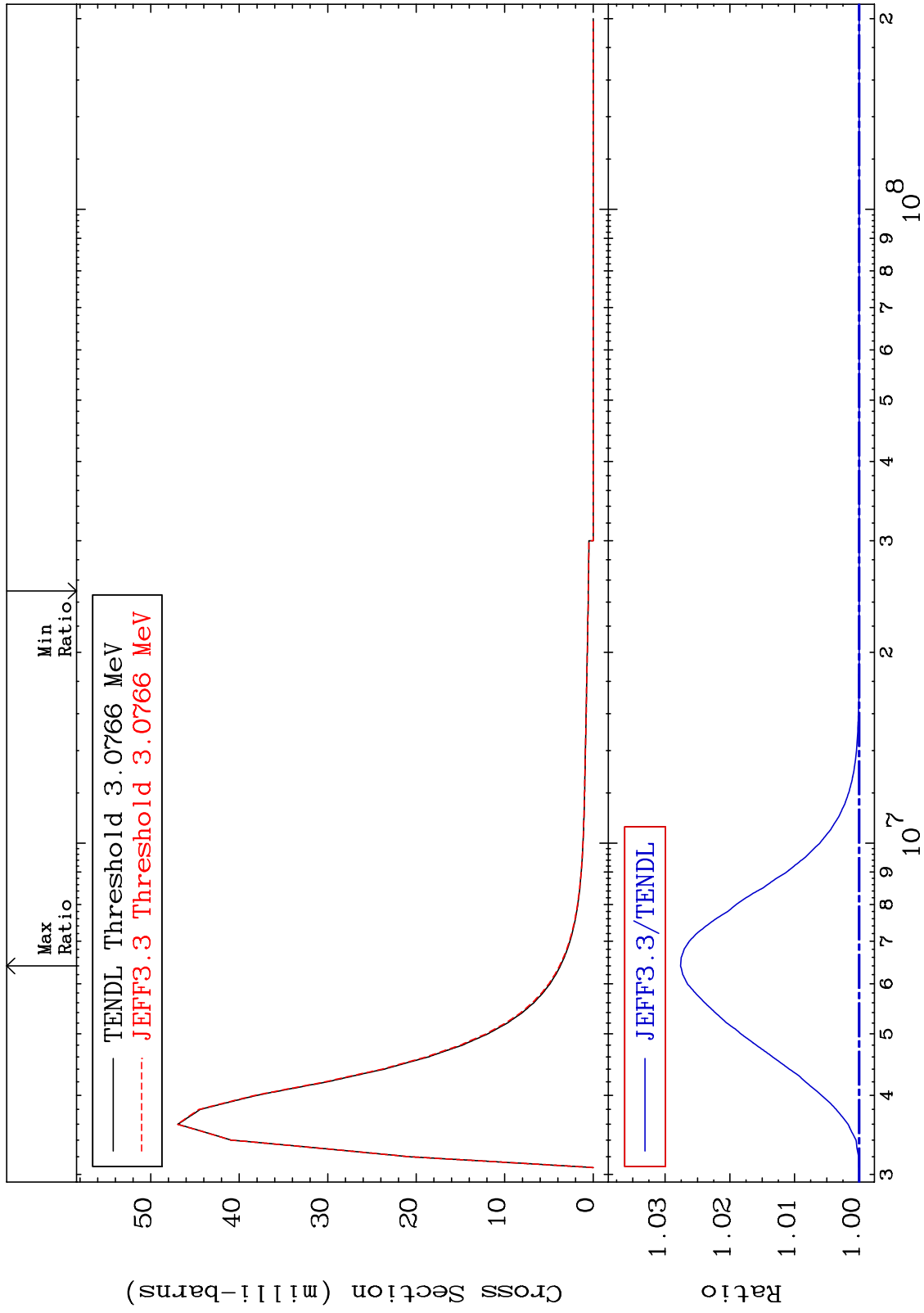
Incident Energy (eV)

32-Ge-72

MAT 3231

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

0.000 To 2.761 %  
32-Ge-72



41

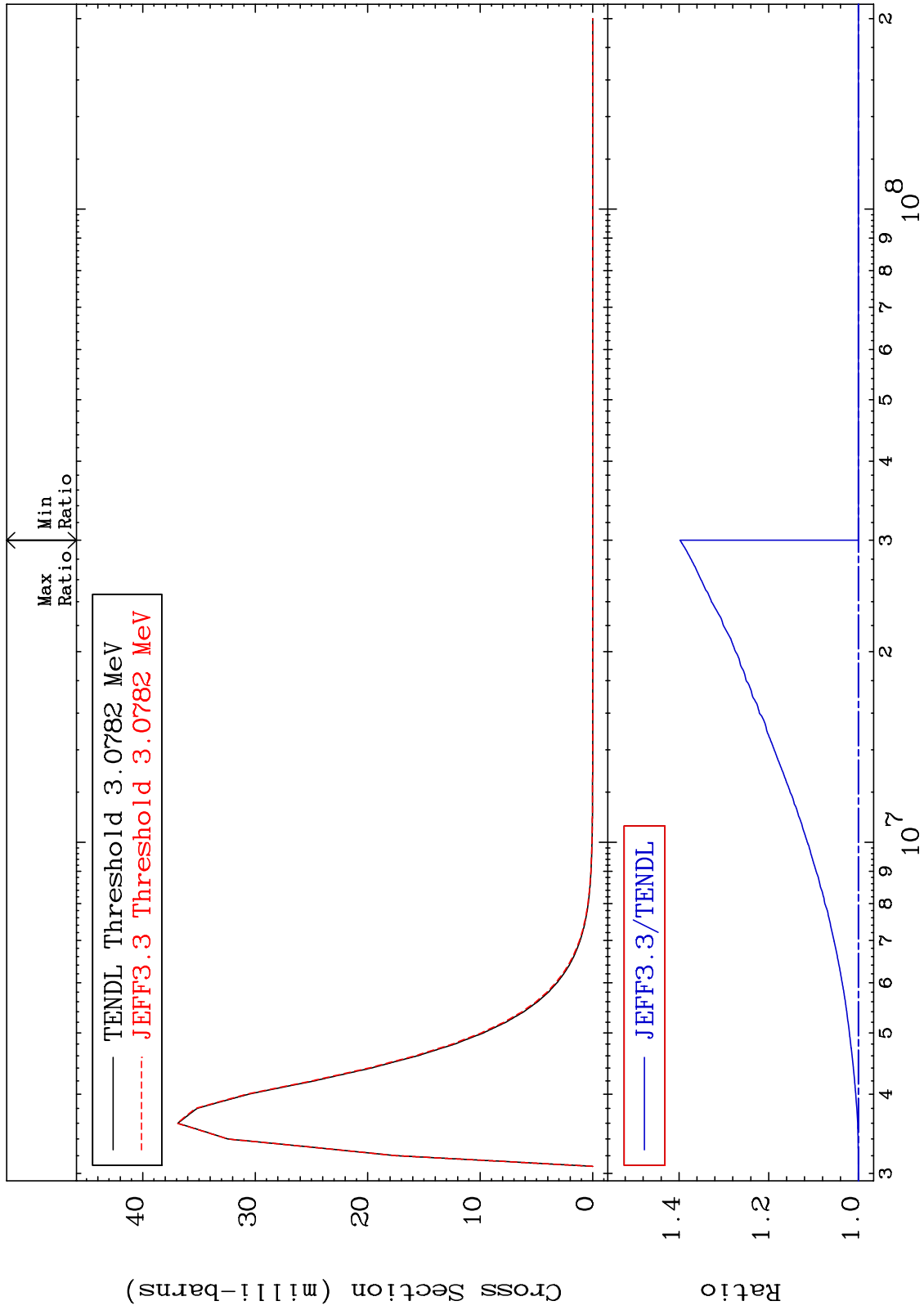
Incident Energy (eV)

32-Ge-72

MAT 3231

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

0.000 To 39.78 %  
32-Ge-72



42

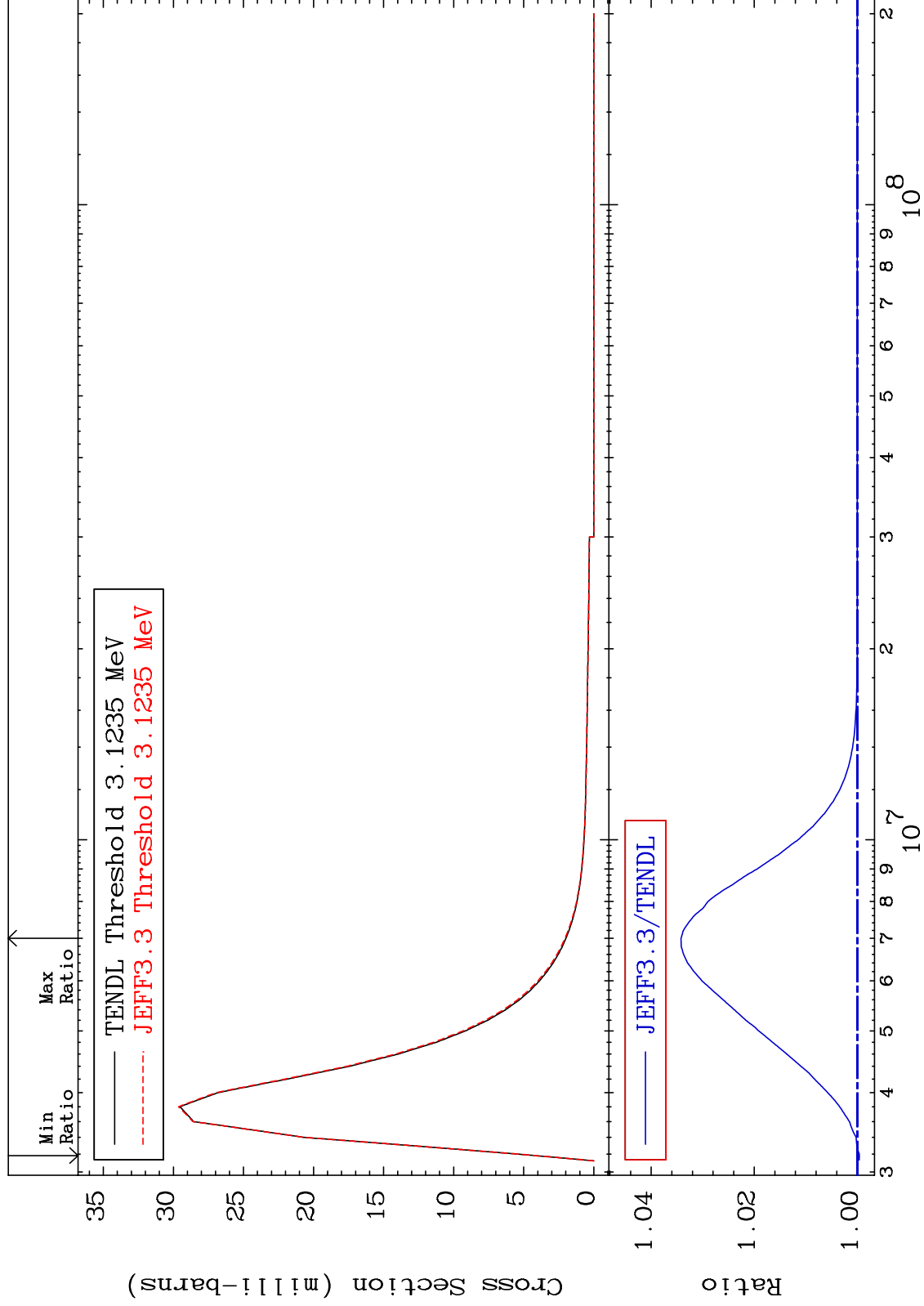
Incident Energy (eV)

32-Ge-72

MAT 3231

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

32-Ge-72  
-0.038 To 3.421 %



43

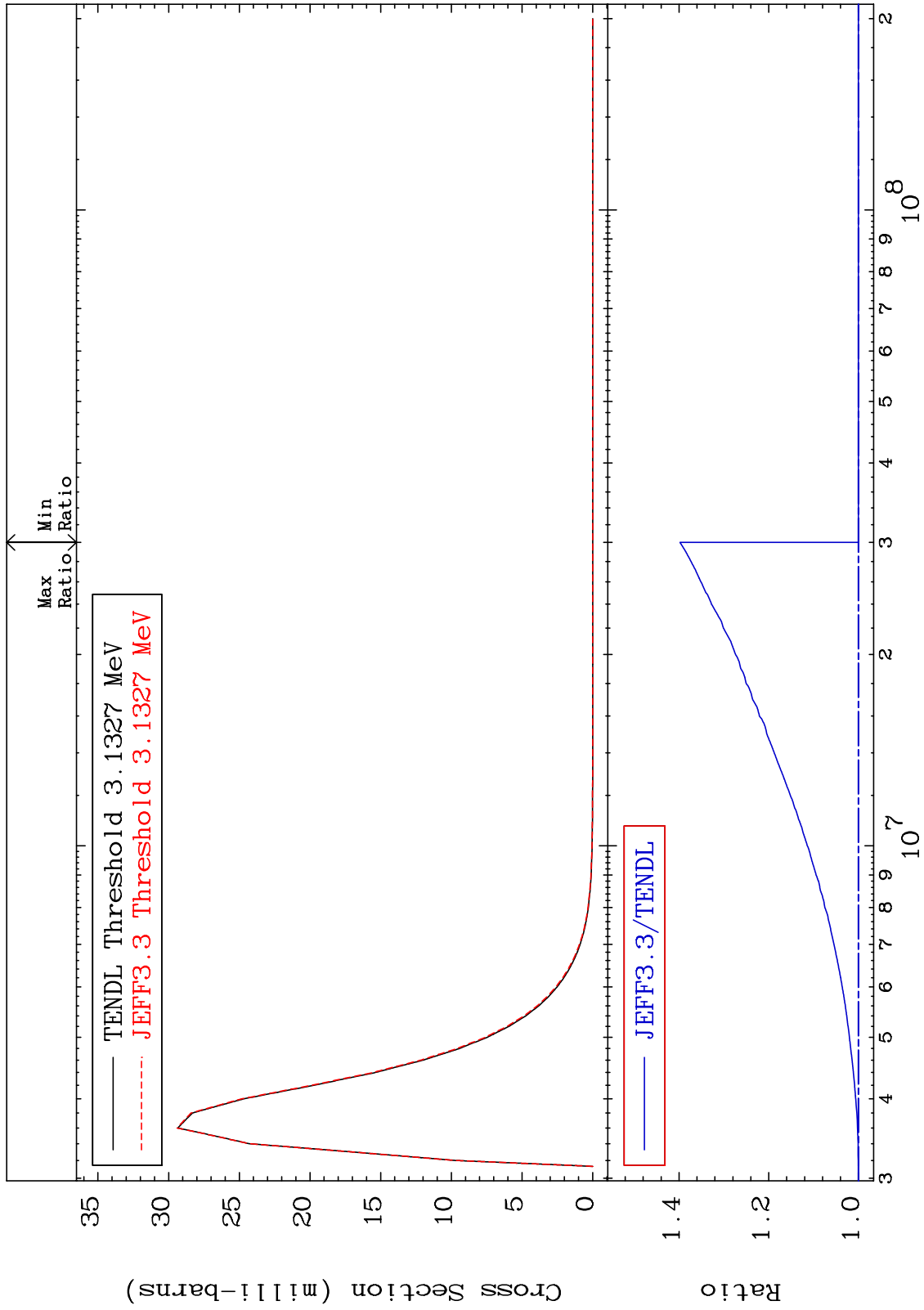
Incident Energy (eV)

32-Ge-72

MAT 3231

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

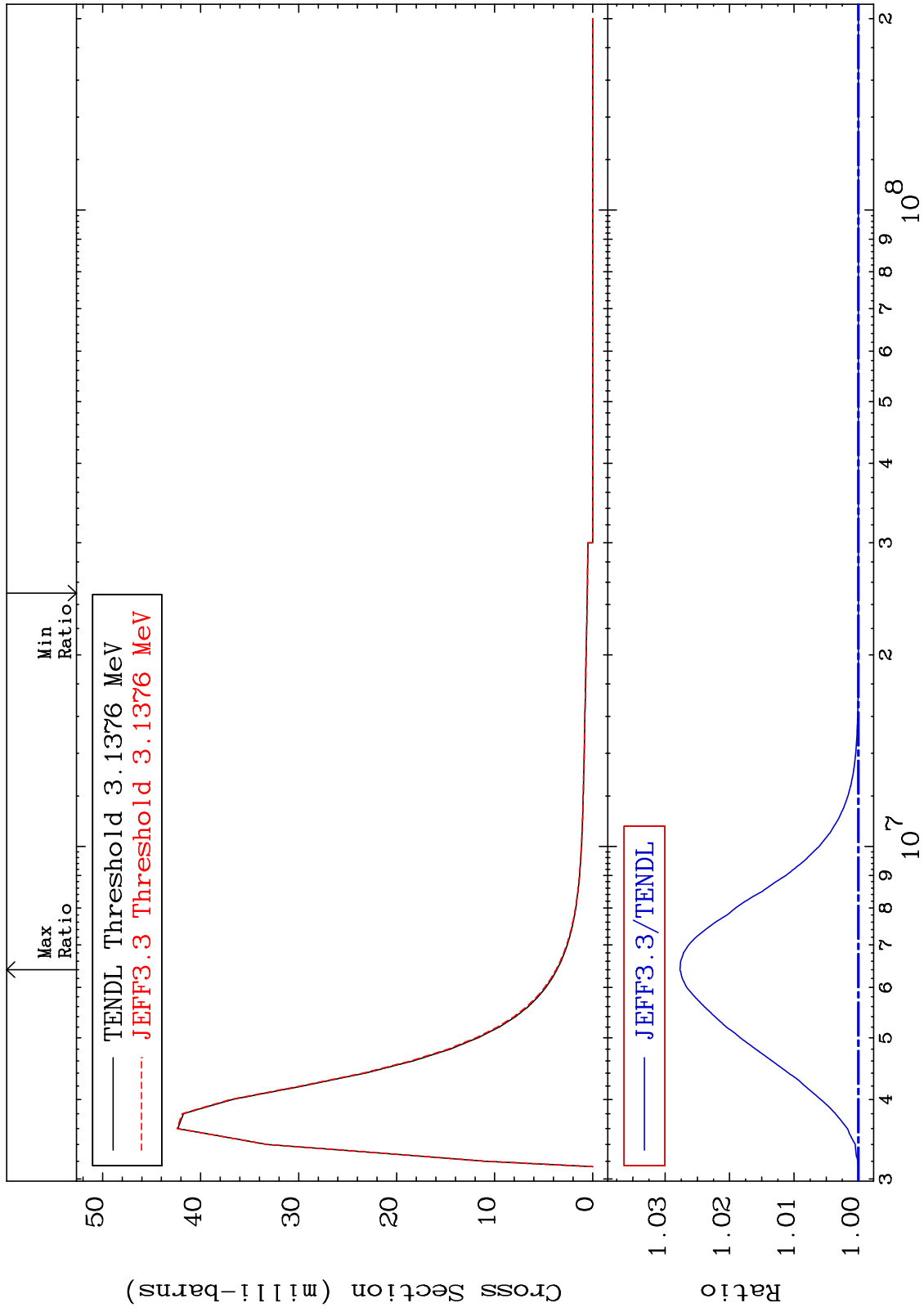
0.000 To 39.78 %  
32-Ge-72



MAT 3231

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

0.000 To 2.769 %  
32-Ge-72



45

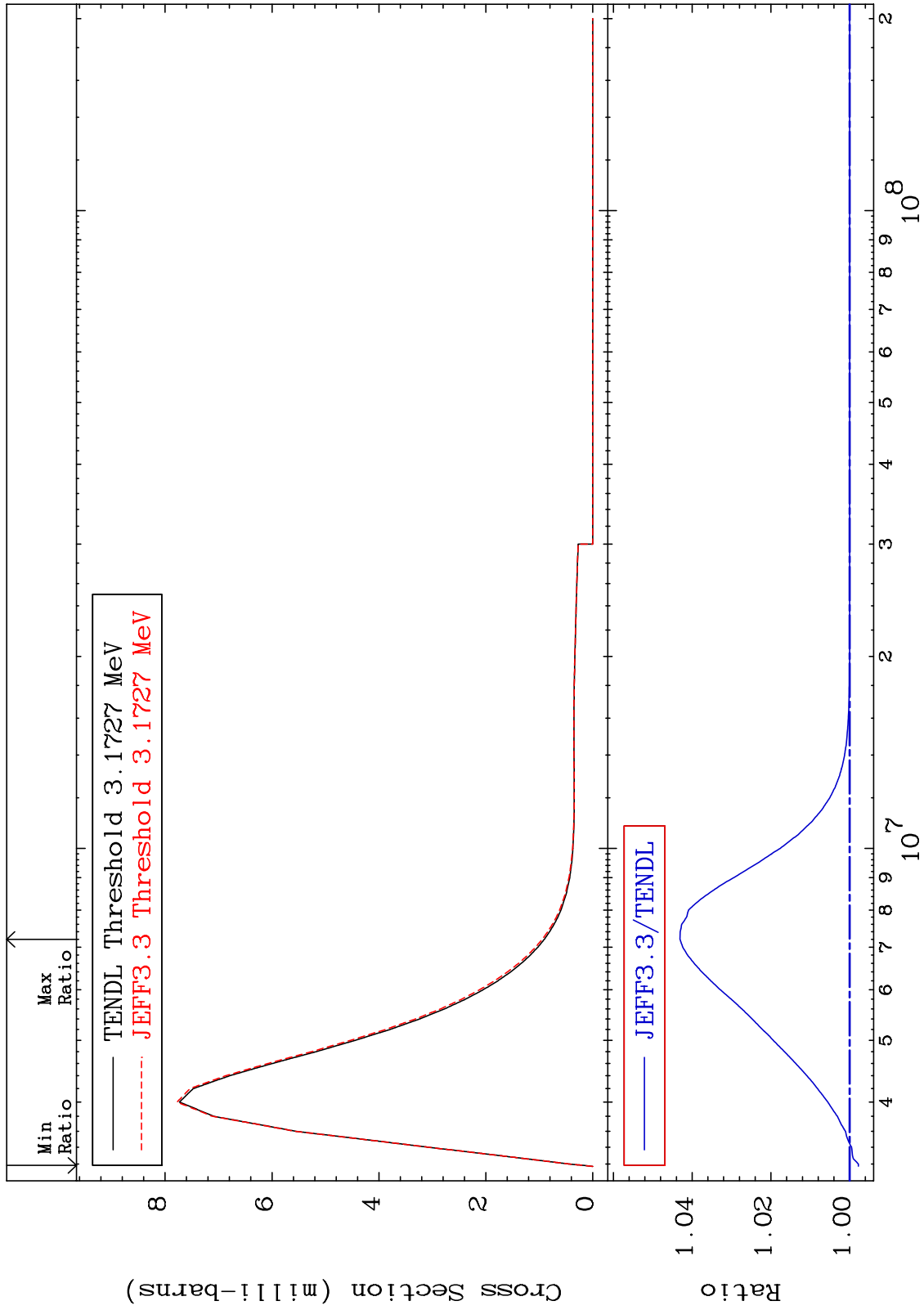
32-Ge-72

32-Ge-72

MAT 3231

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

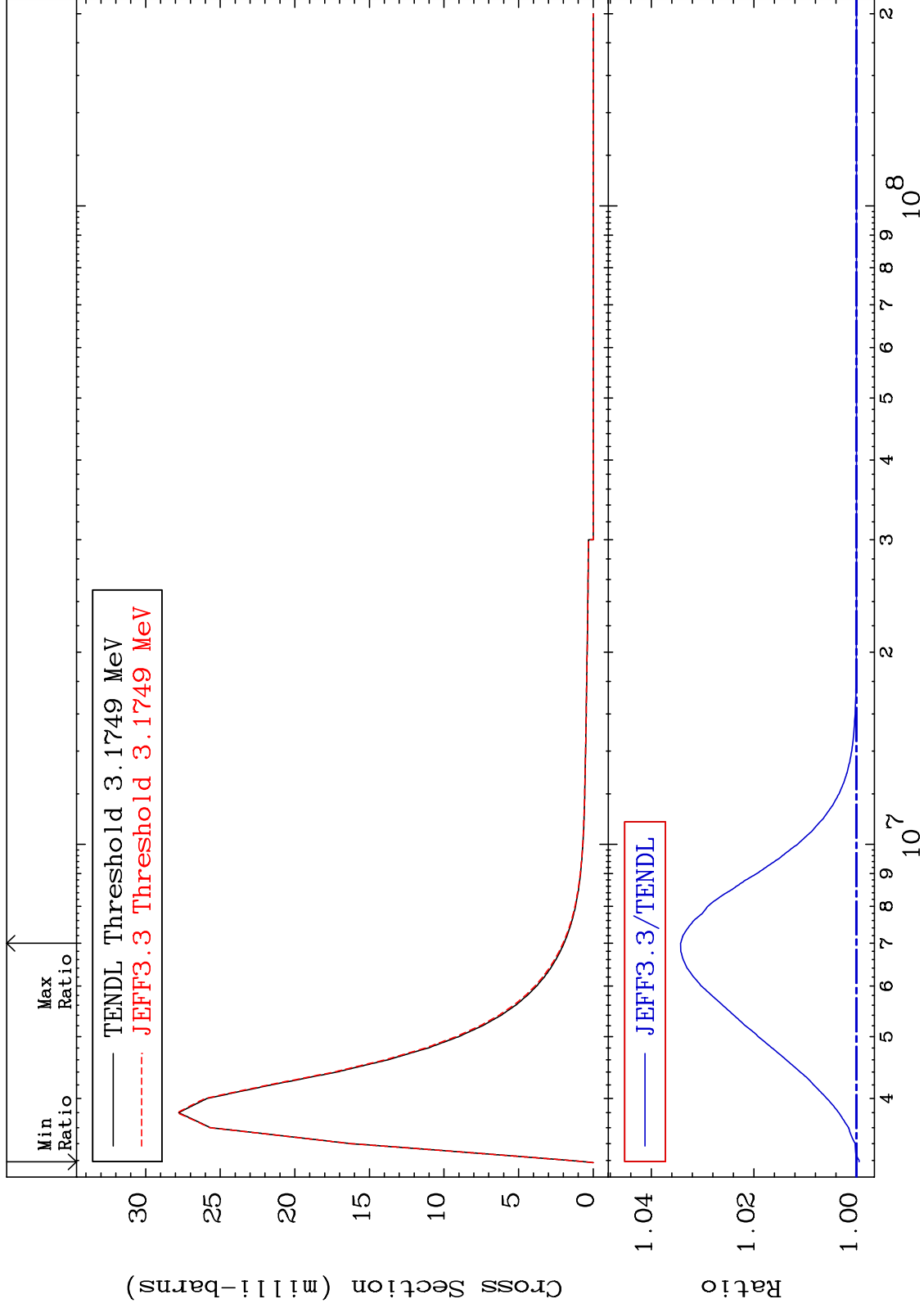
32-Ge-72  
-0.221 To 4.308 %



MAT 3231

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

32-Ge-72  
-0.054 To 3.429 %



47

Incident Energy (eV)

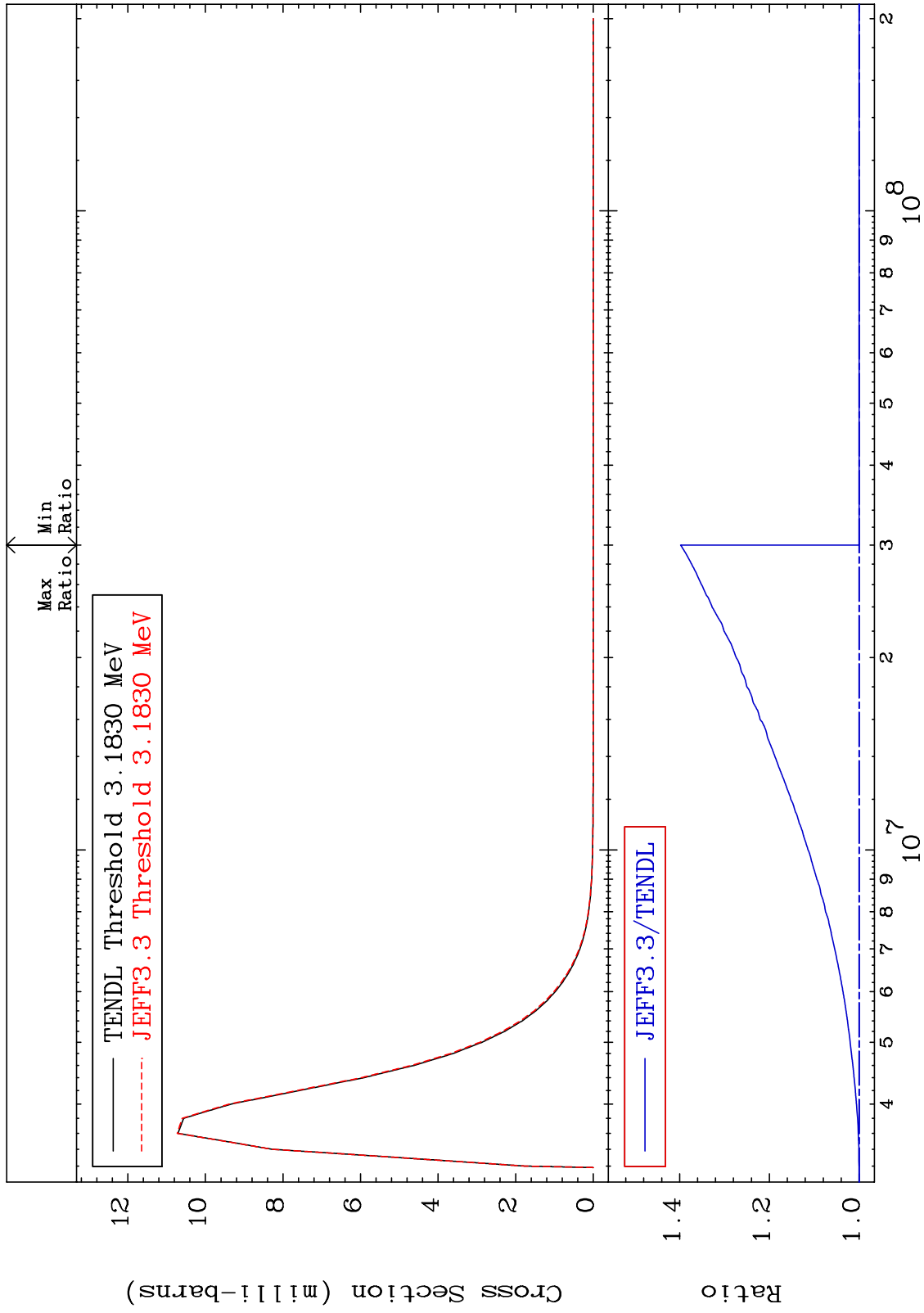
32-Ge-72



MAT 3231

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

0.000 To 39.78 %  
32-Ge-72



48

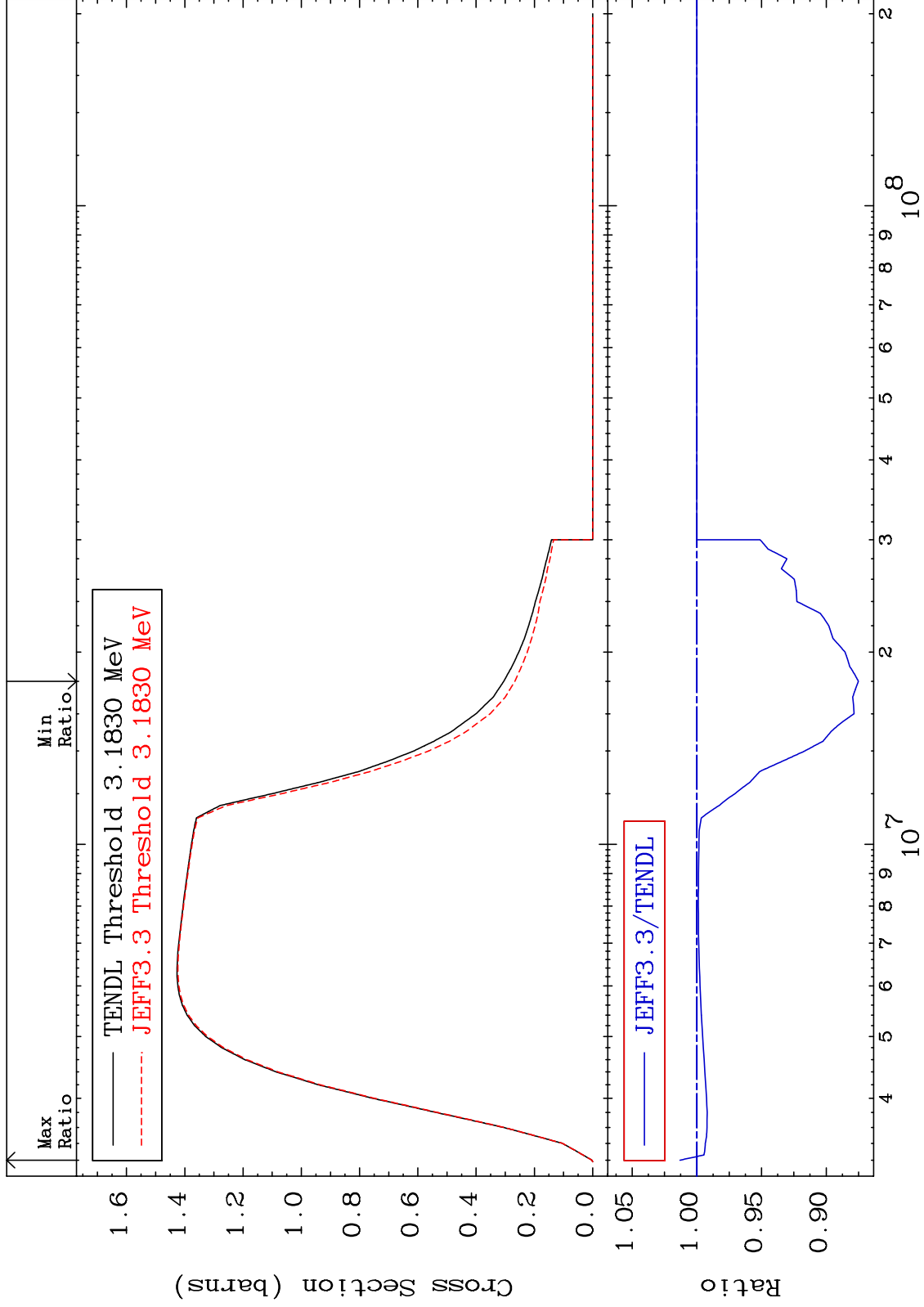
Incident Energy (eV)

32-Ge-72

MAT 3231

(n, n') Continuum  
Cross Section

32-Ge-72  
-12.49 To 1.299 %

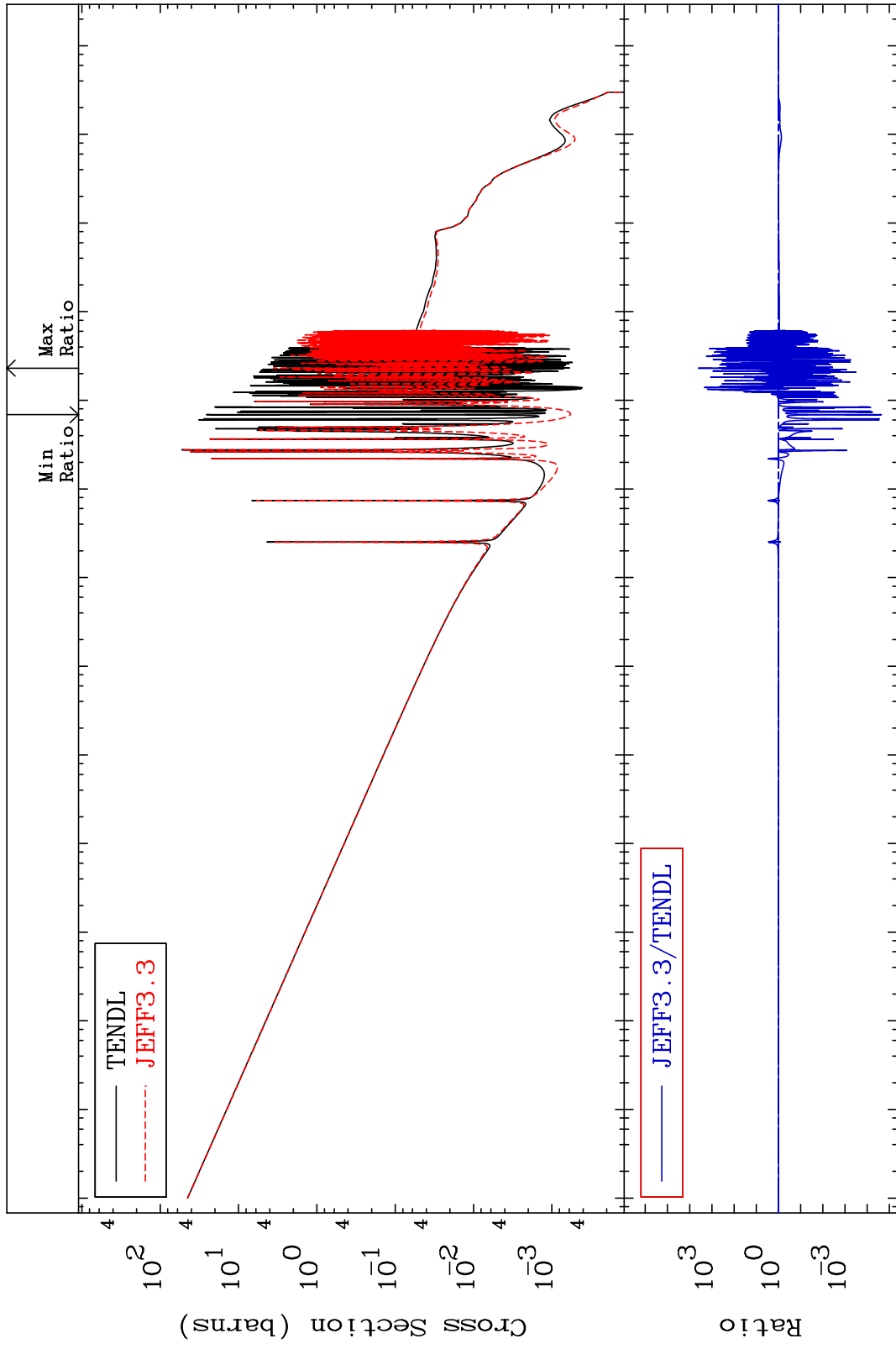


MAT 3231

32-Ge-72

(n,  $\gamma$ )  
Cross Section

-100.0 To 9999. %



50

Incident Energy (eV)

32-Ge-72

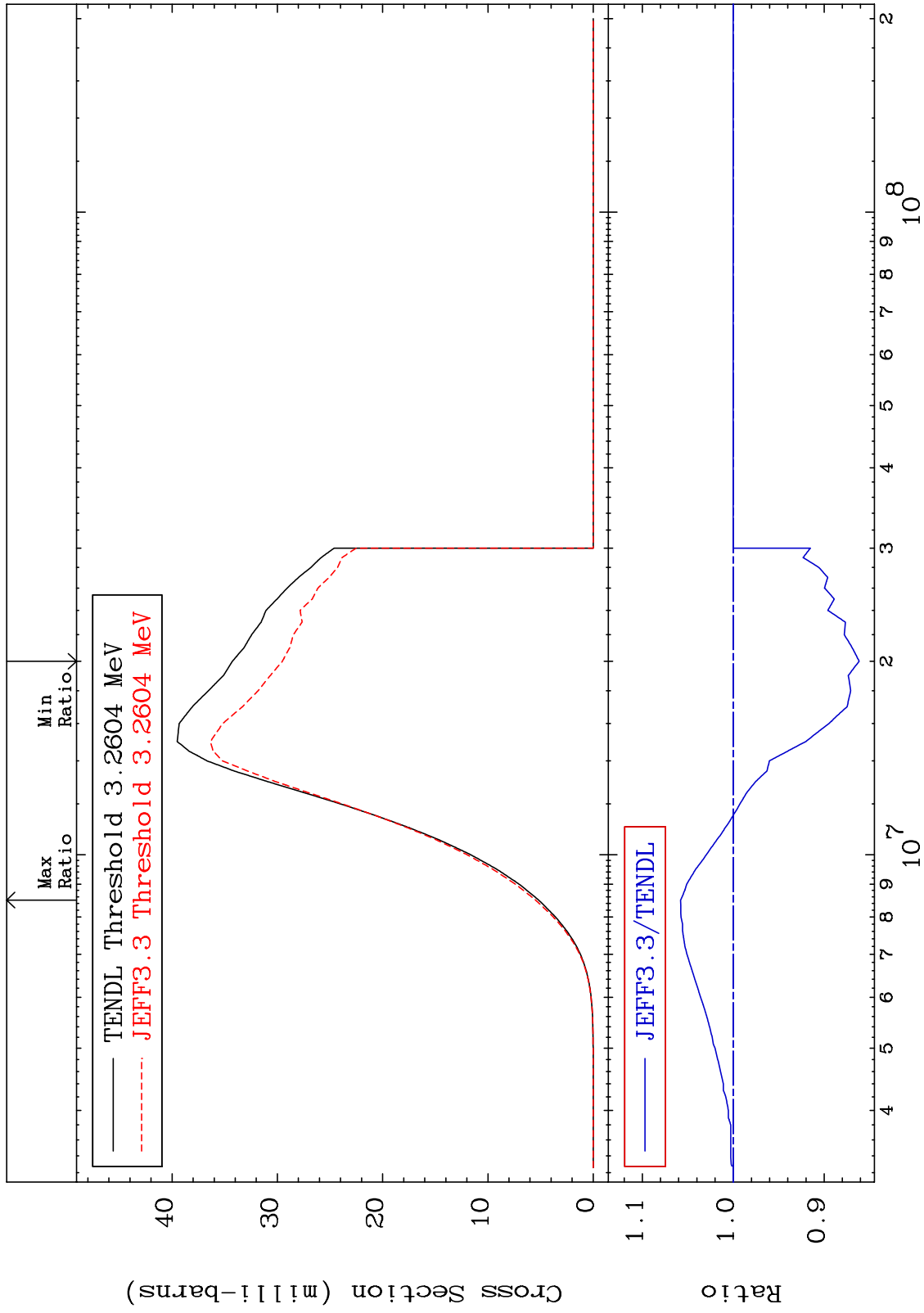
MAT 3231

(n, p)

<sup>32</sup>Ge-72

Cross Section

-13.85 To 5.787 %



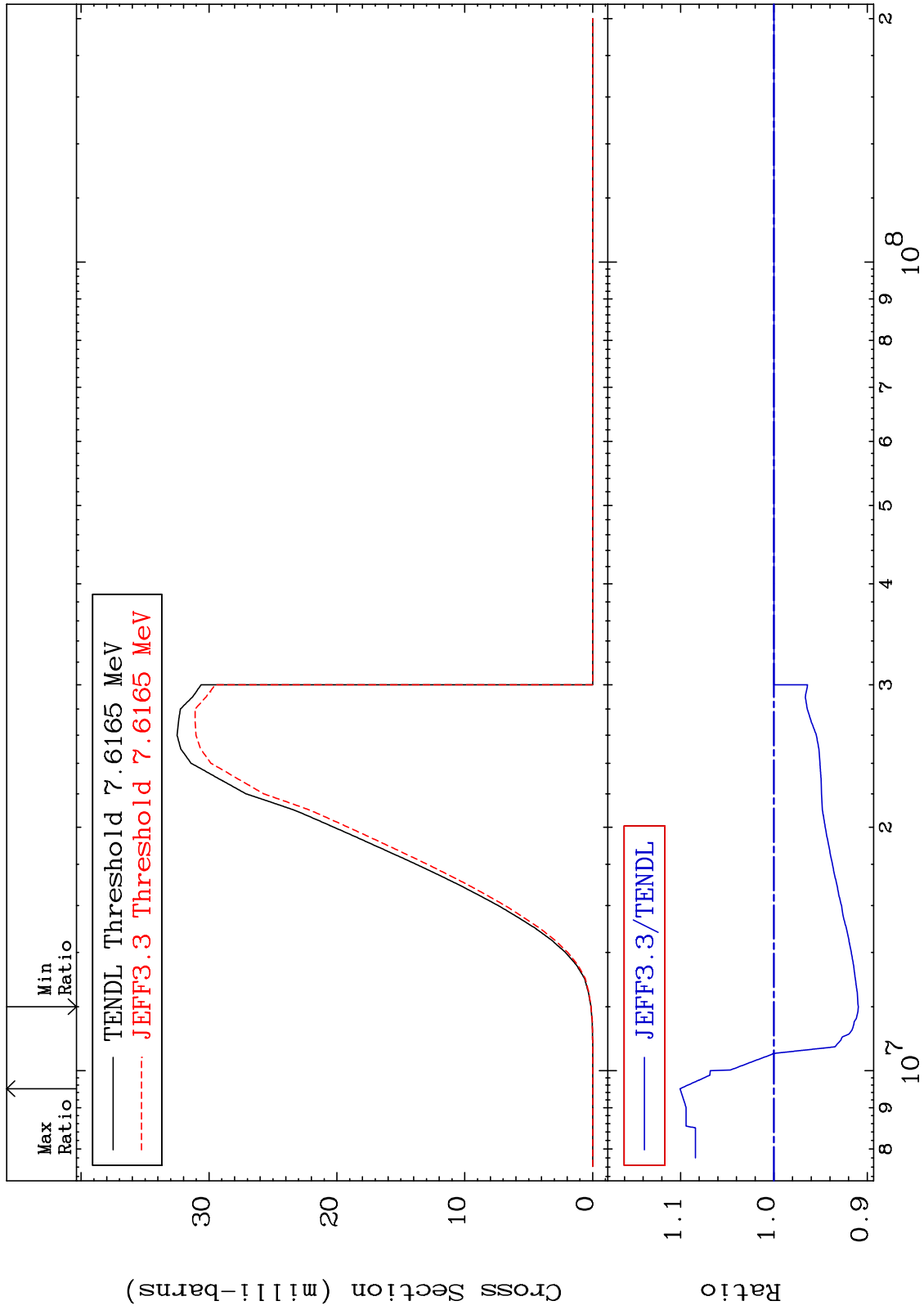
MAT 3231

(n, d)

32-Ge-72

Cross Section

-9.052 To 10.05 %



52

Incident Energy (eV)

32-Ge-72

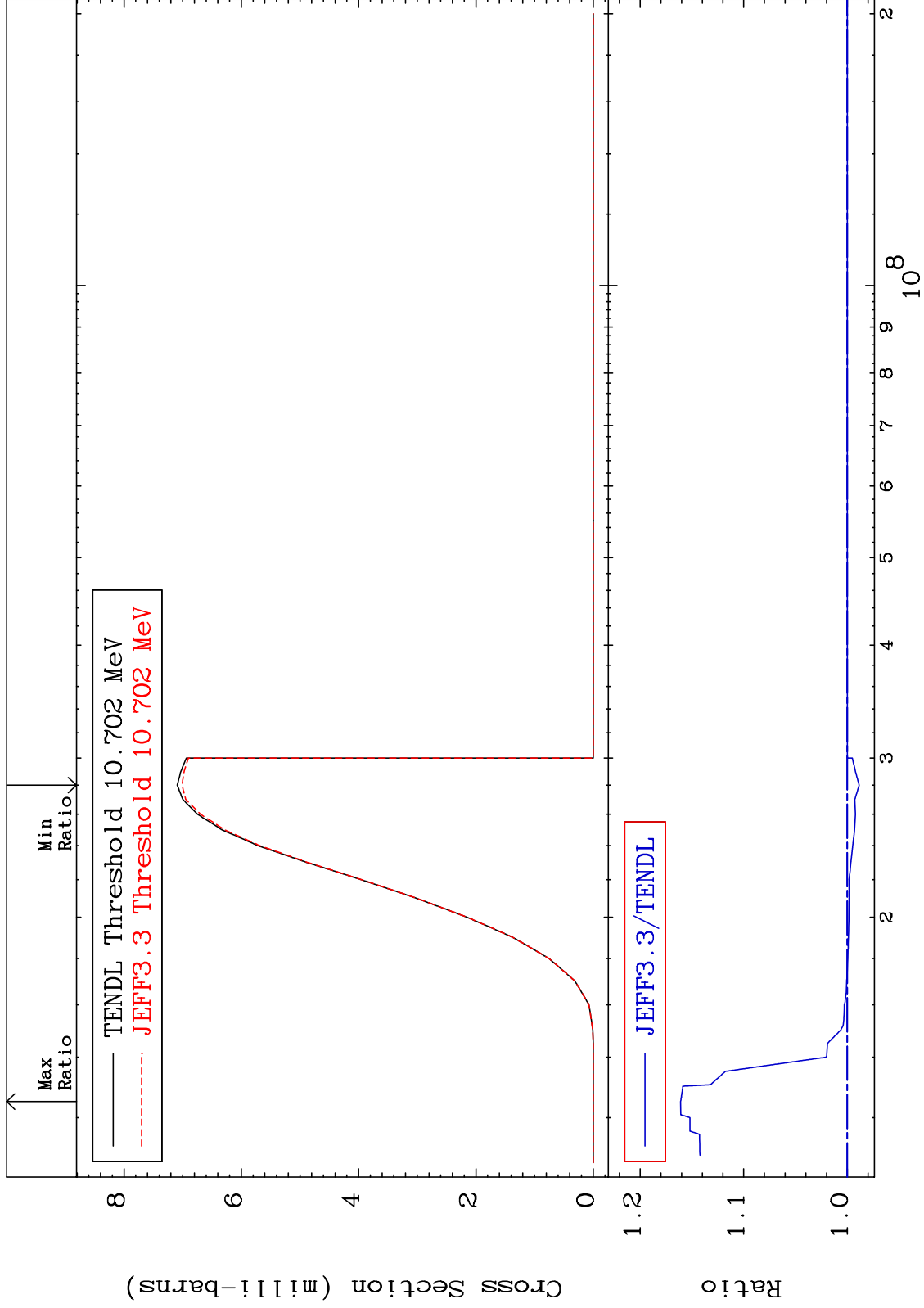
MAT 3231

(n, t)

32-Ge-72

Cross Section

-1.149 To 16.09 %



53

Incident Energy (eV)

32-Ge-72

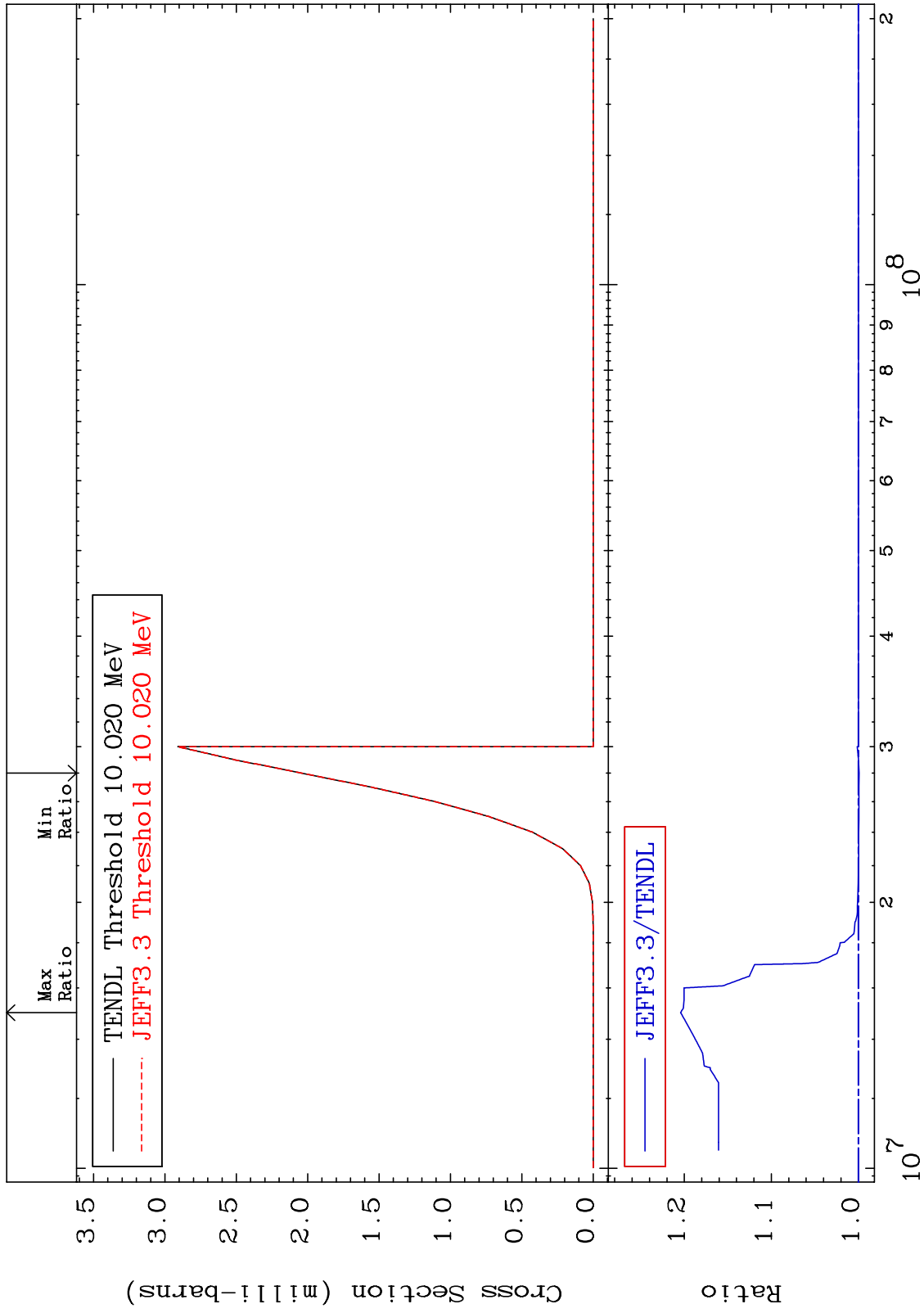
MAT 3231

(n, He-3)

32-Ge-72

Cross Section

-0.088 To 20.43 %



54

Incident Energy (eV)

32-Ge-72

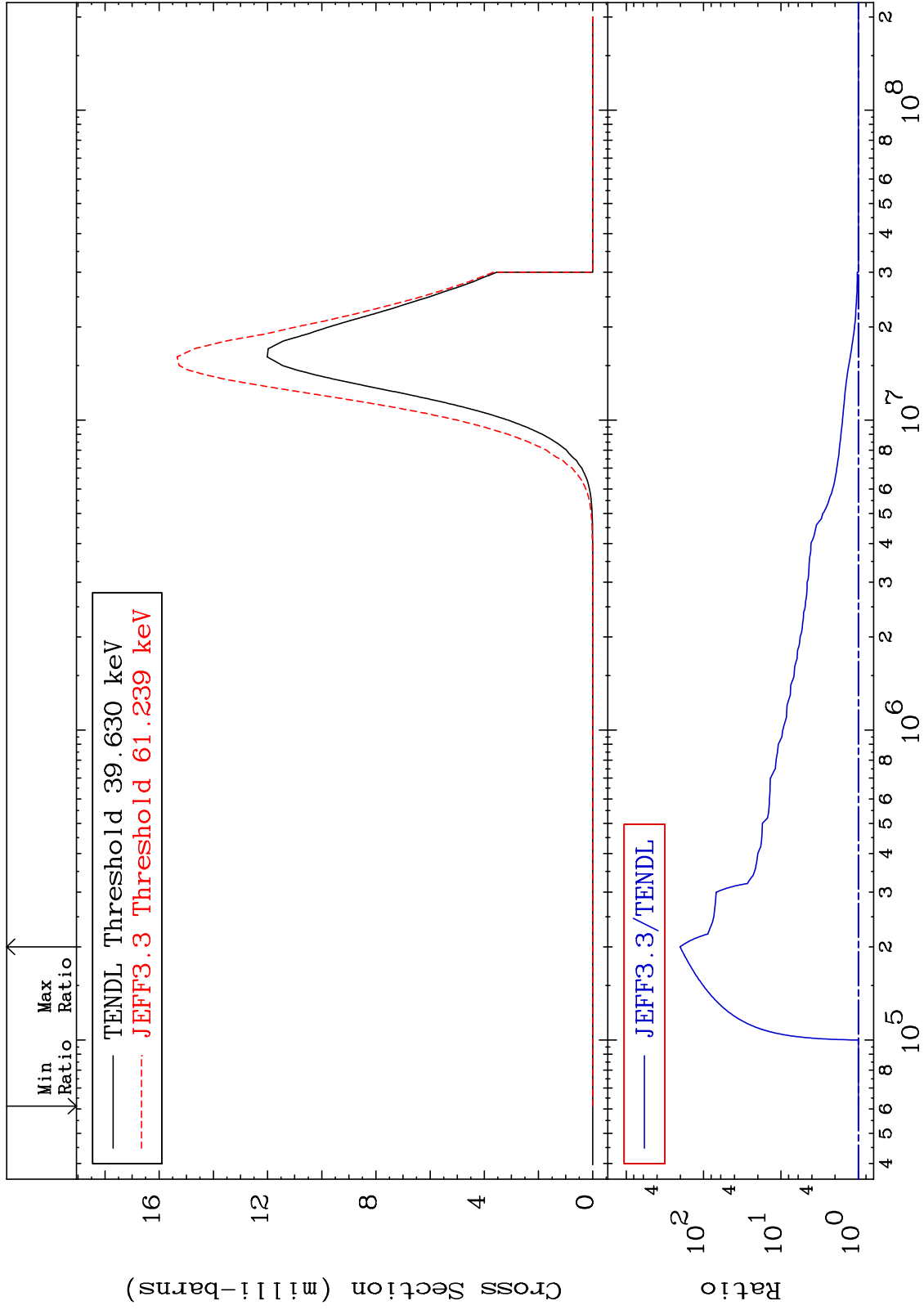
MAT 3231

(n,  $\alpha$ )

32-Ge-72

Cross Section

0.000 To 9999. %





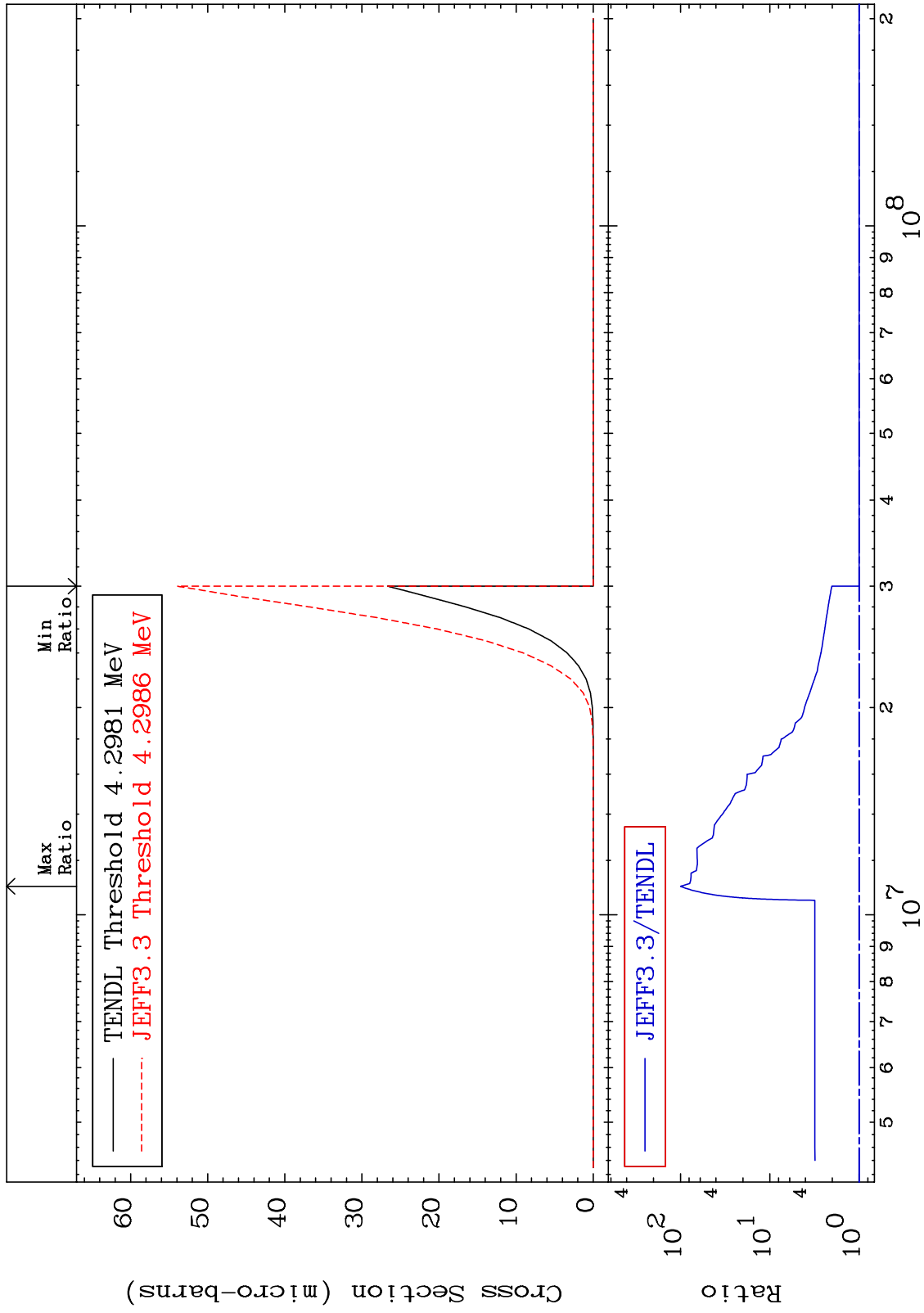
MAT 3231

(n, 2α)

32-Ge-72

Cross Section

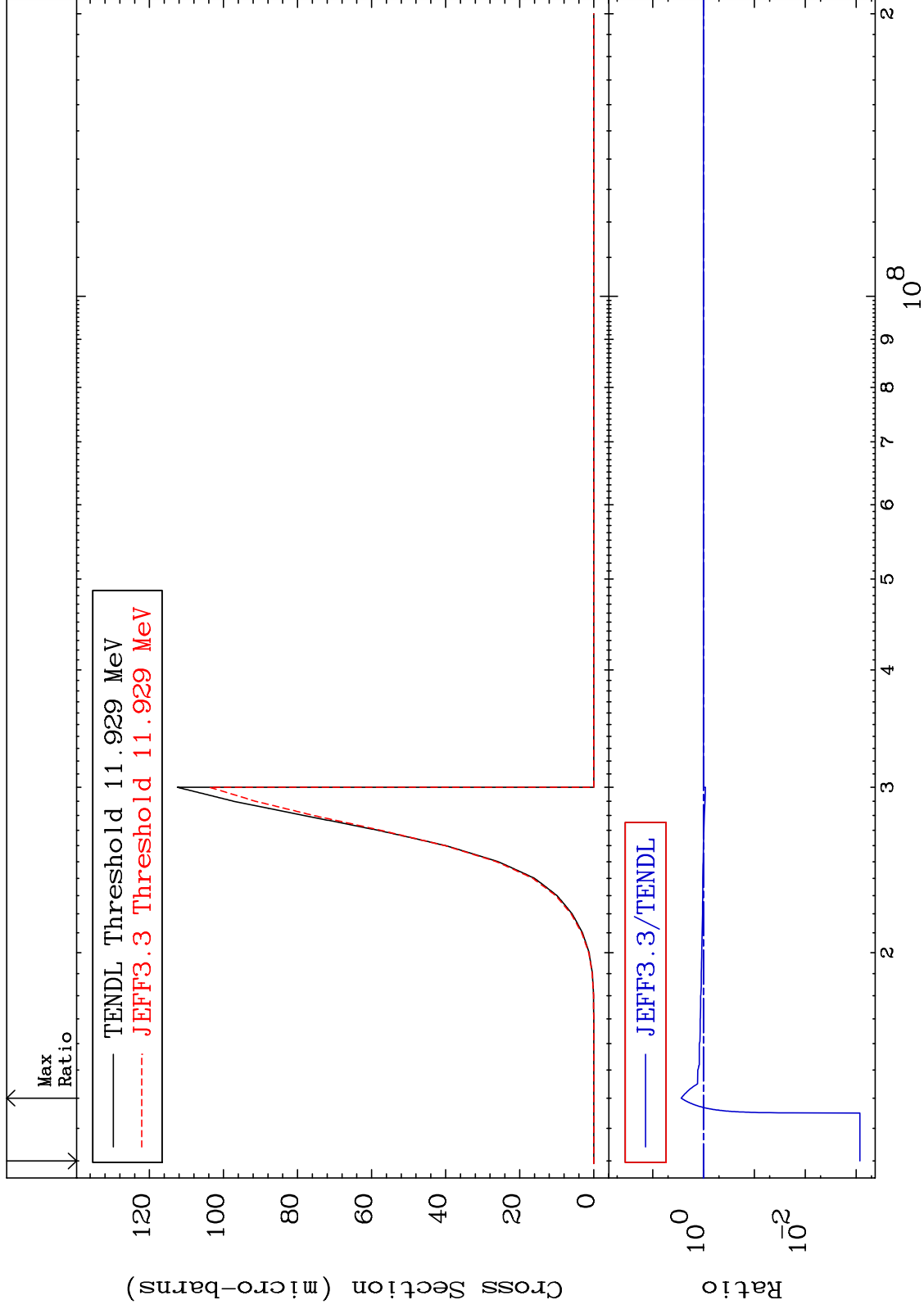
0.000 To 9858. %



MAT 3231

(n,2p)  
Cross Section

32-Ge-72  
-99.92 To 174.6 %



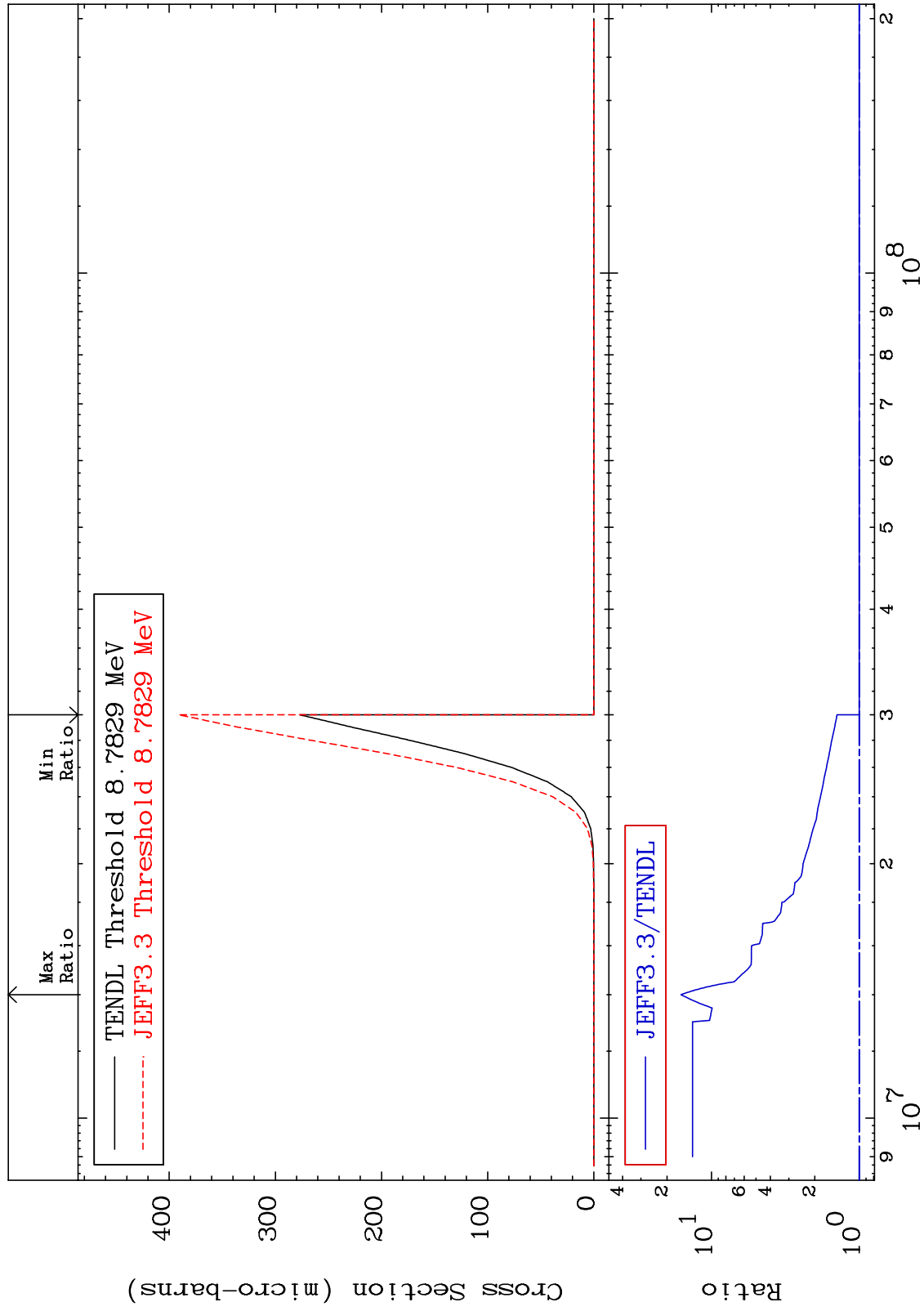
MAT 3231

(n,p)  $\alpha$

<sup>32</sup>Ge-72

Cross Section

0.000 To 1507. %



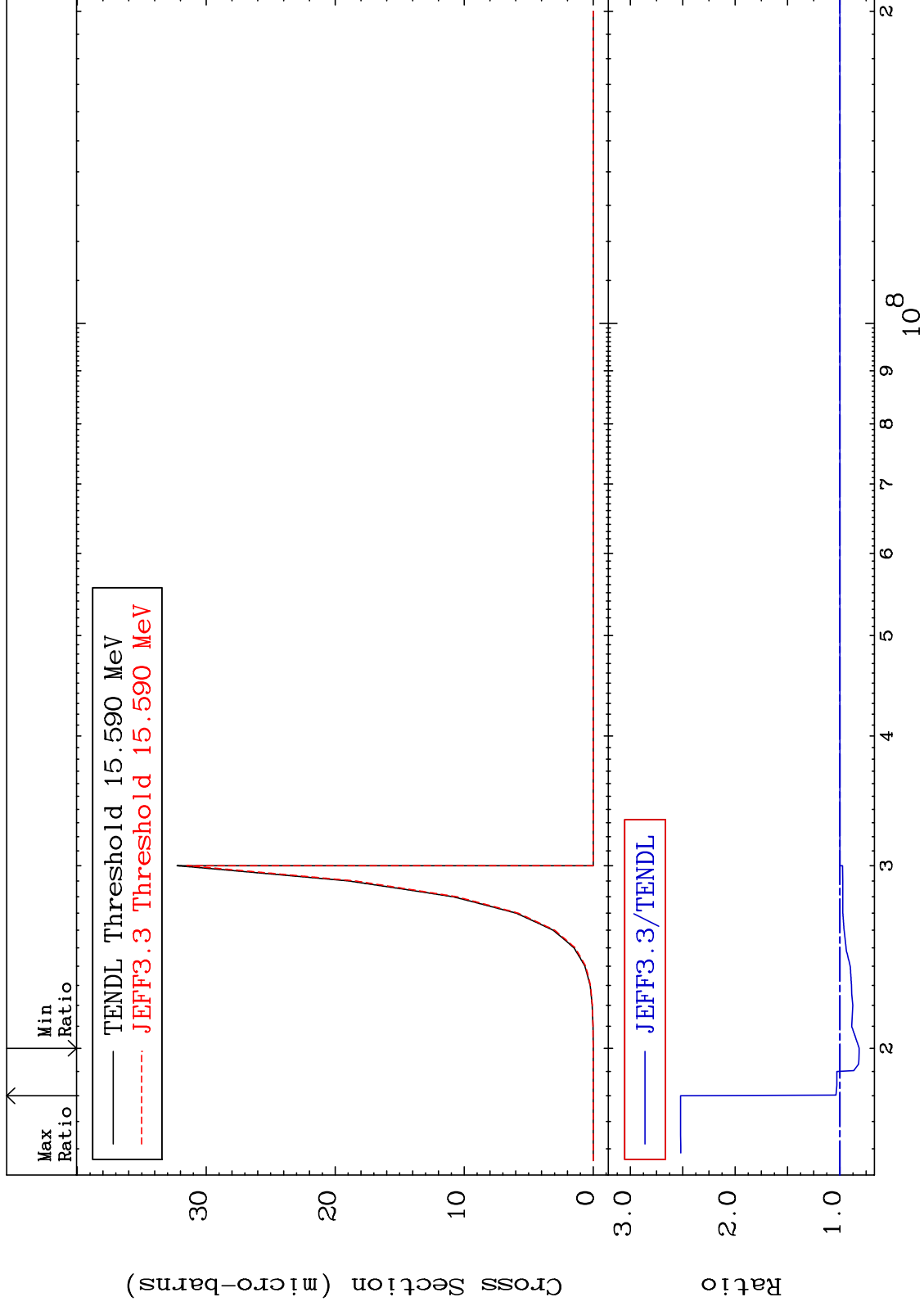
MAT 3231

(n,p) d

32-Ge-72

Cross Section

-18.31 To 152.1 %



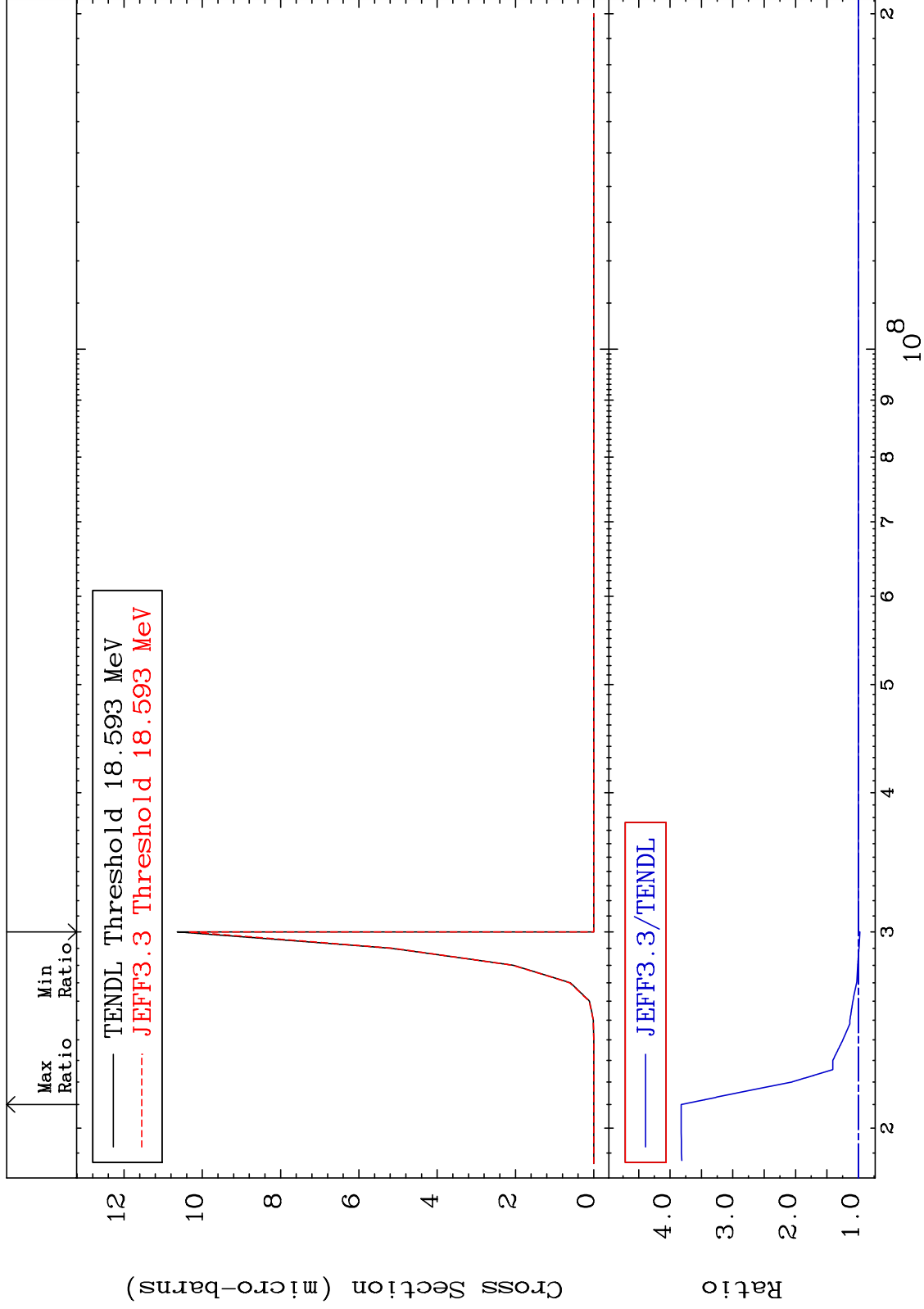
MAT 3231

(n,p) t

32-Ge-72

Cross Section

-2.574 To 282.2 %



60

Incident Energy (eV)

32-Ge-72

MAT 3231

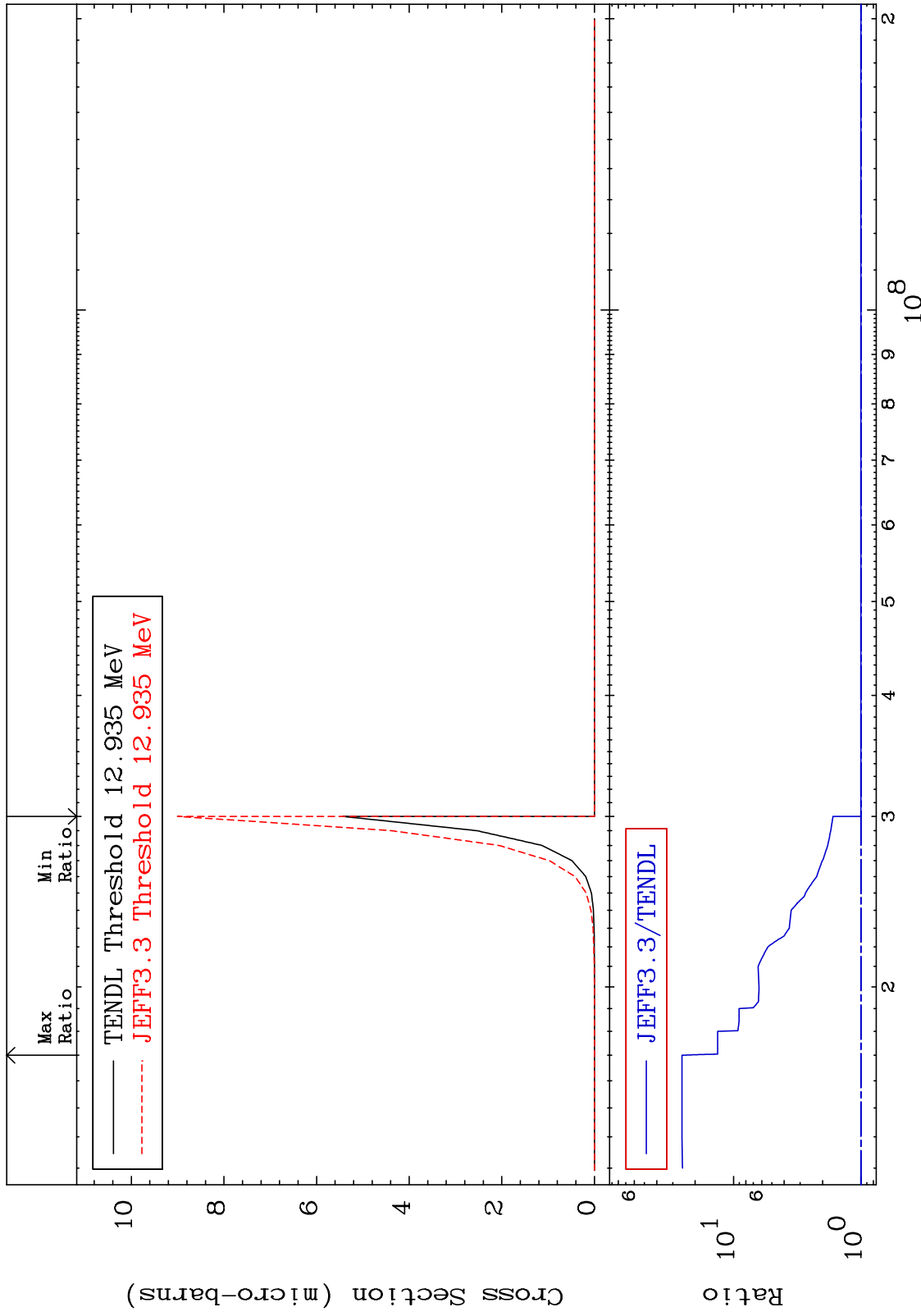
(n,d)  $\alpha$

32-Ge-72

Cross Section

0.000

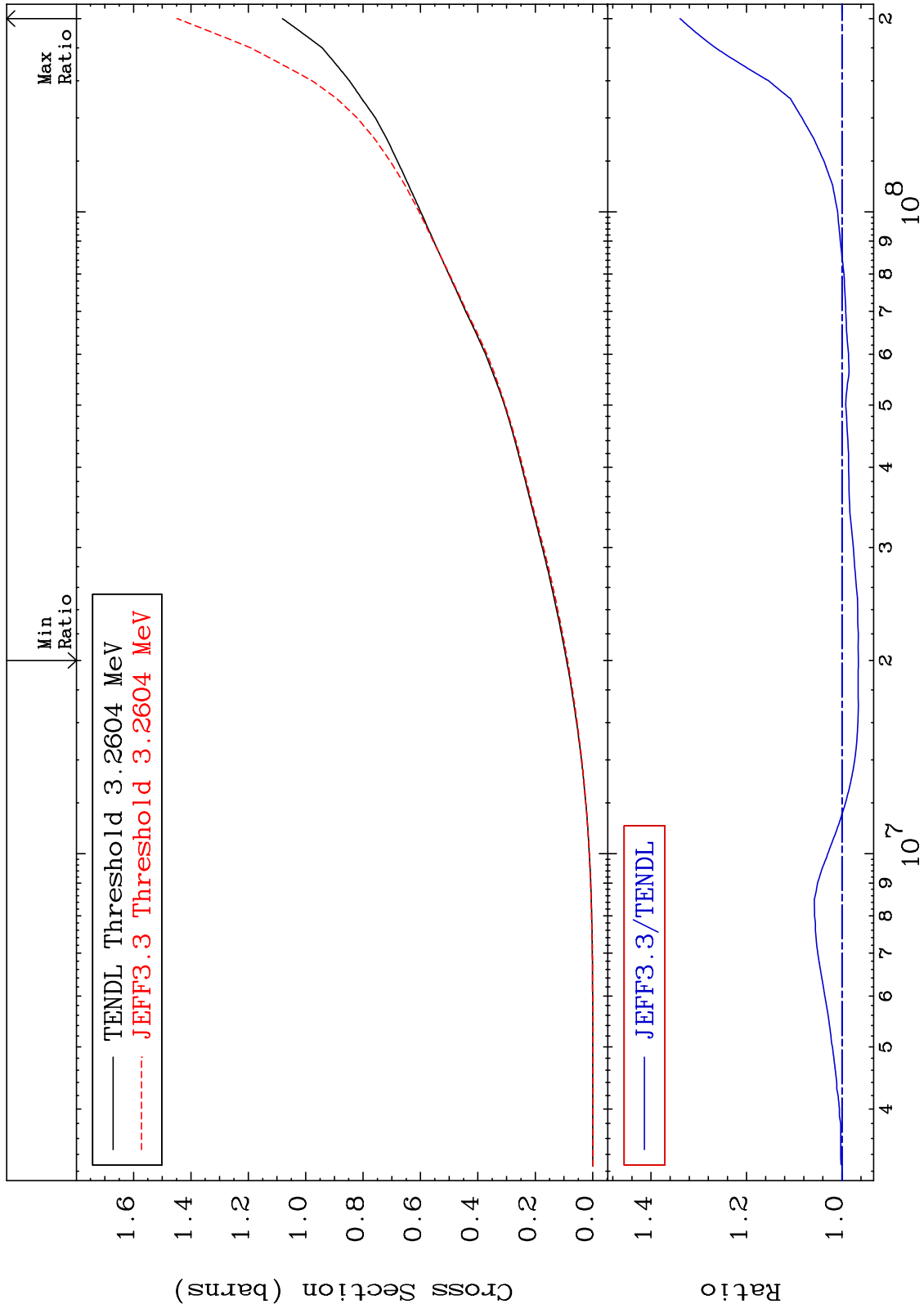
To 2434. %



MAT 3231

Hydrogen Production  
Cross Section

32-Ge-72  
-3.441 To 33.93 %



62

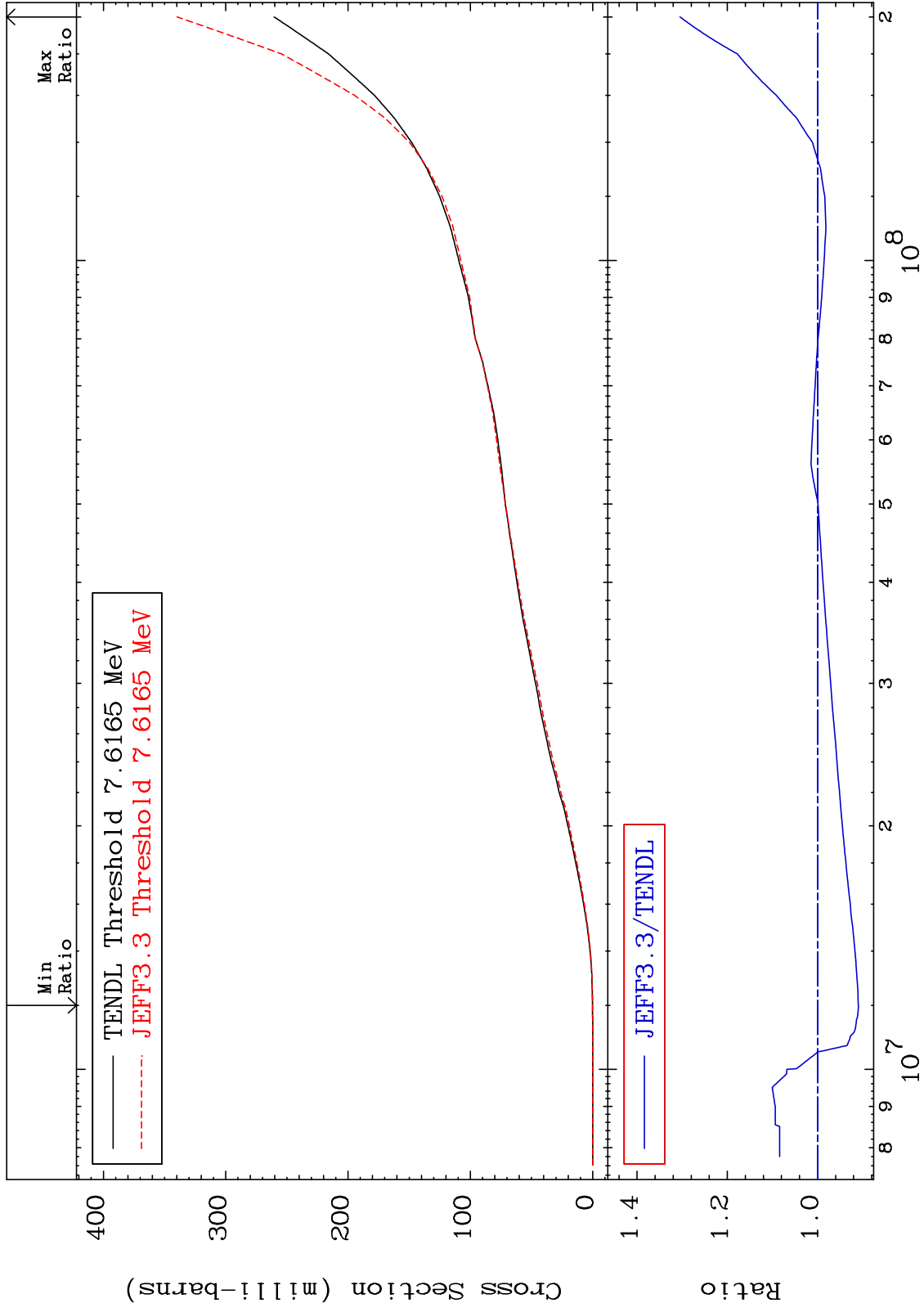
Incident Energy (eV)

32-Ge-72

MAT 3231

Deuterium Production  
Cross Section

32-Ge-72  
-9.052 To 30.48 %



63

Incident Energy (eV)

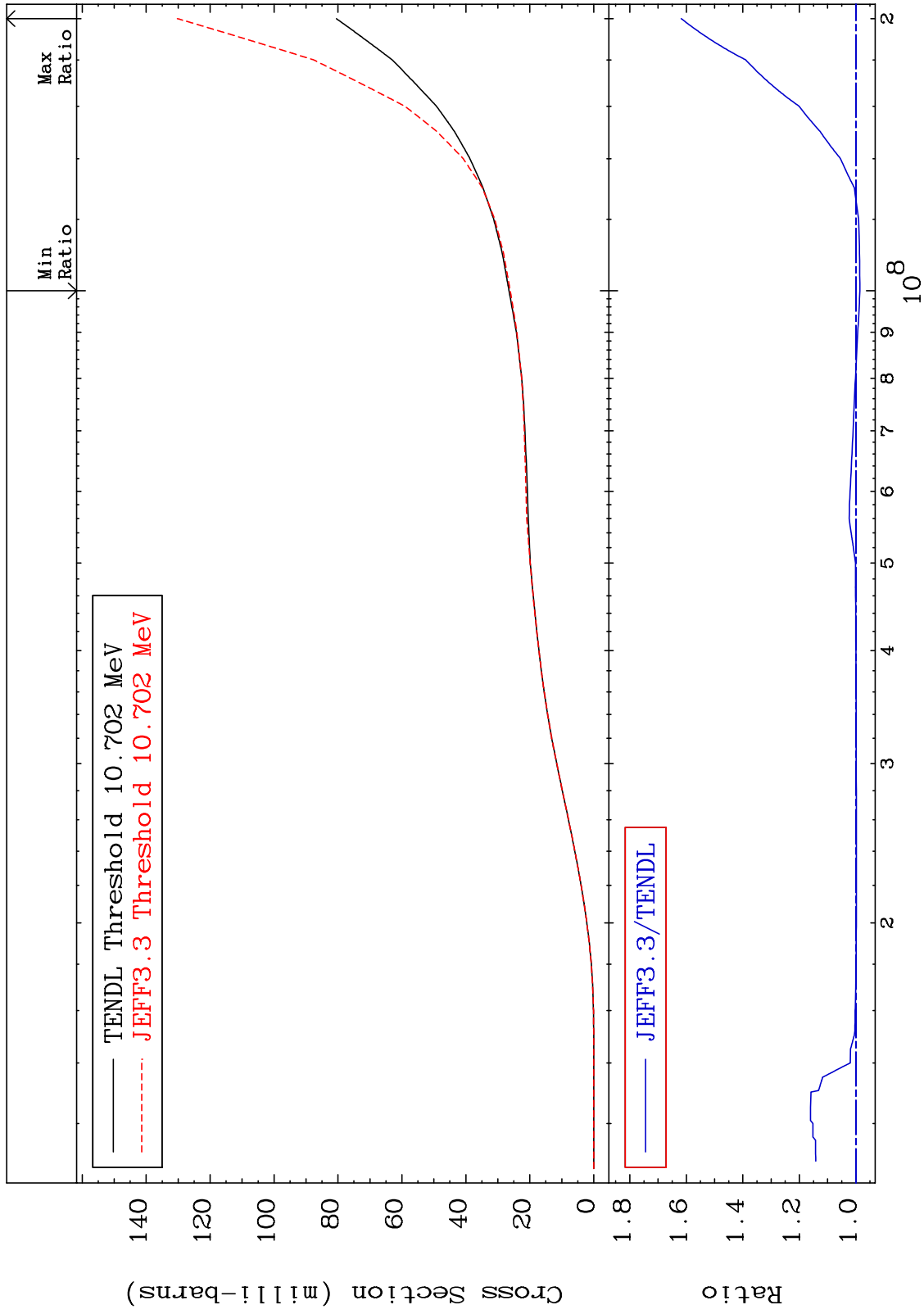
32-Ge-72



MAT 3231

Tritium Production  
Cross Section

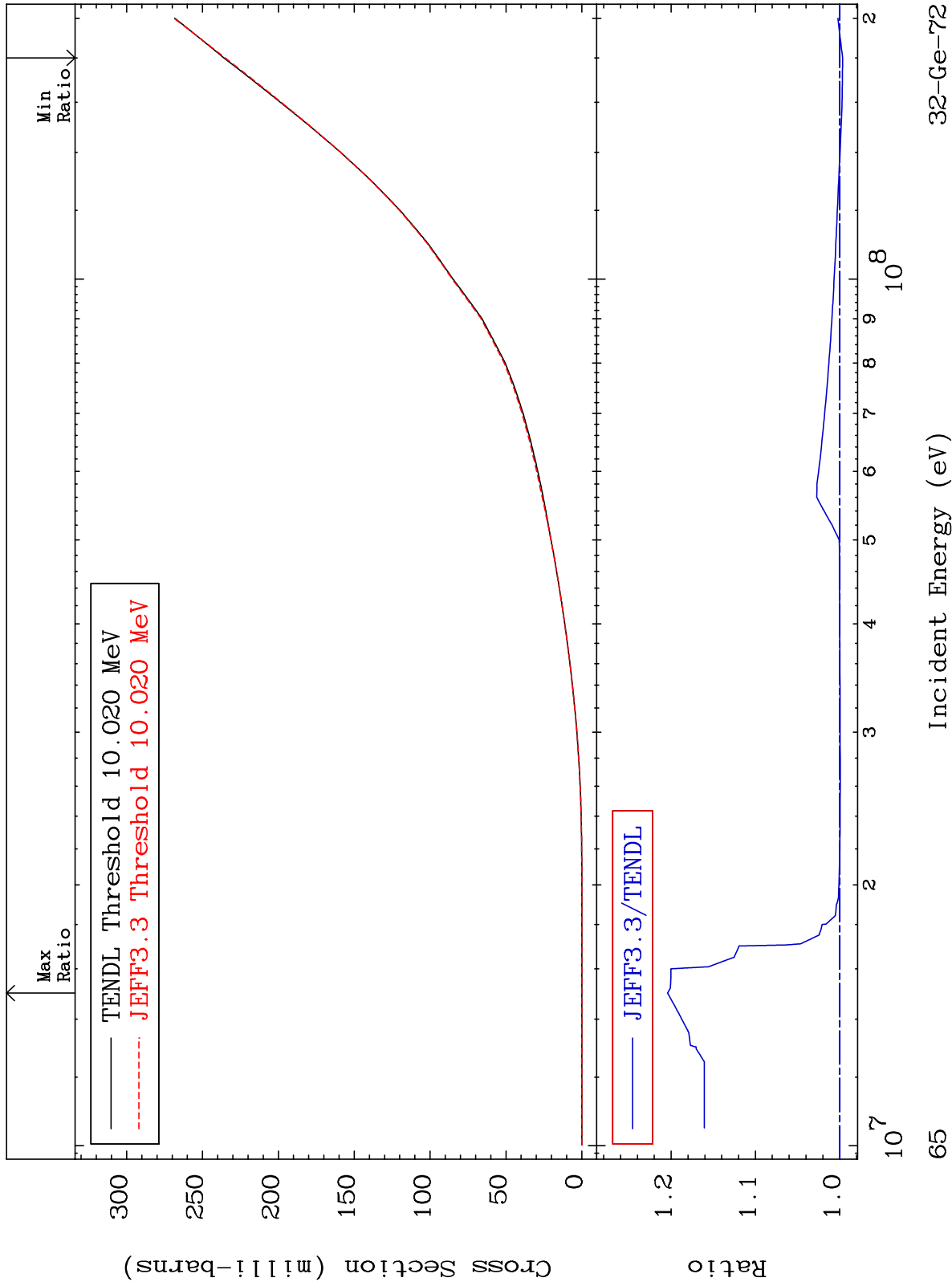
32-Ge-72  
-1.429 To 61.82 %



MAT 3231

He-3 Production  
Cross Section

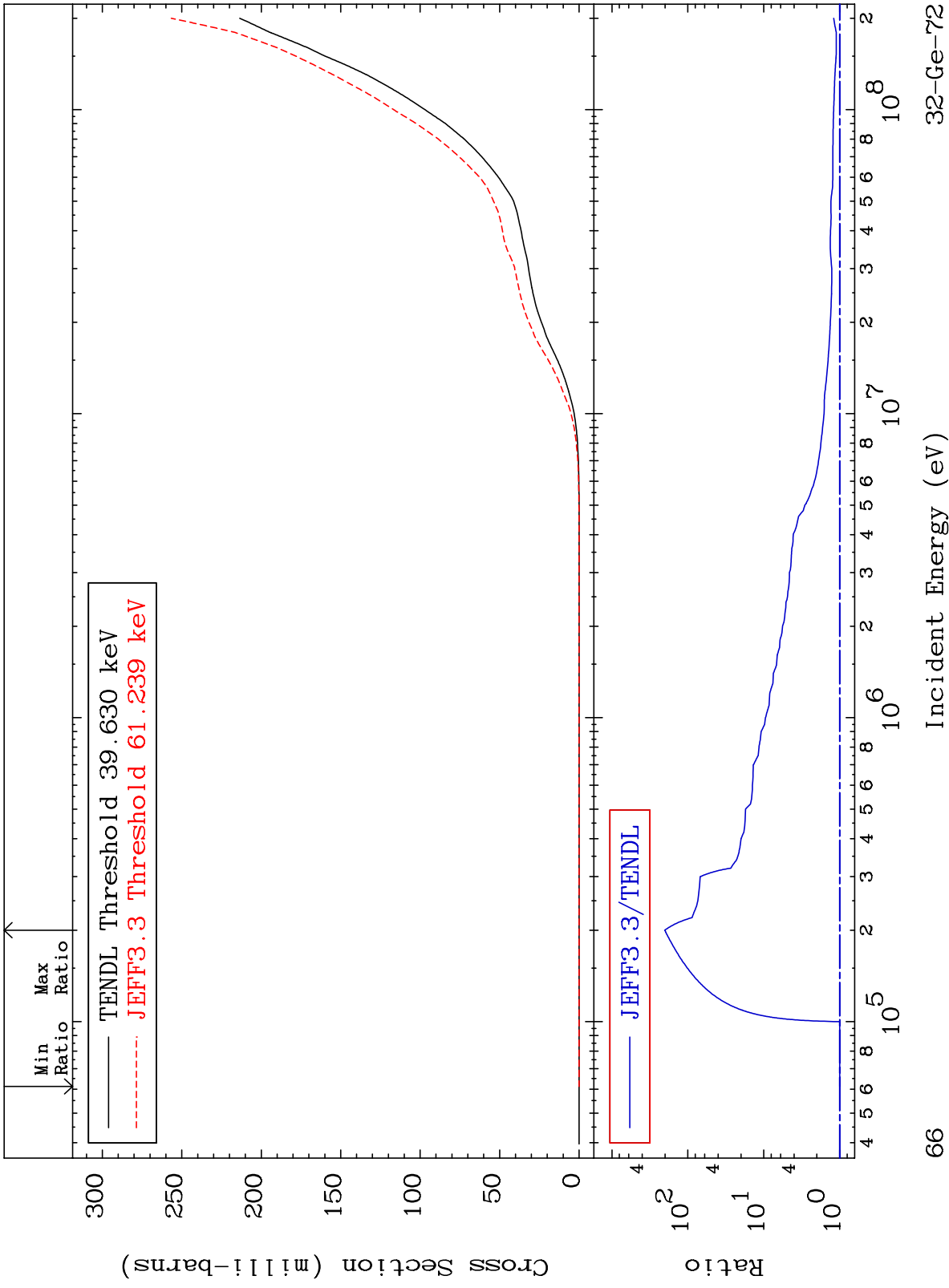
32-Ge-72  
-0.350 To 20.43 %



MAT 3231

He-4 Production  
Cross Section

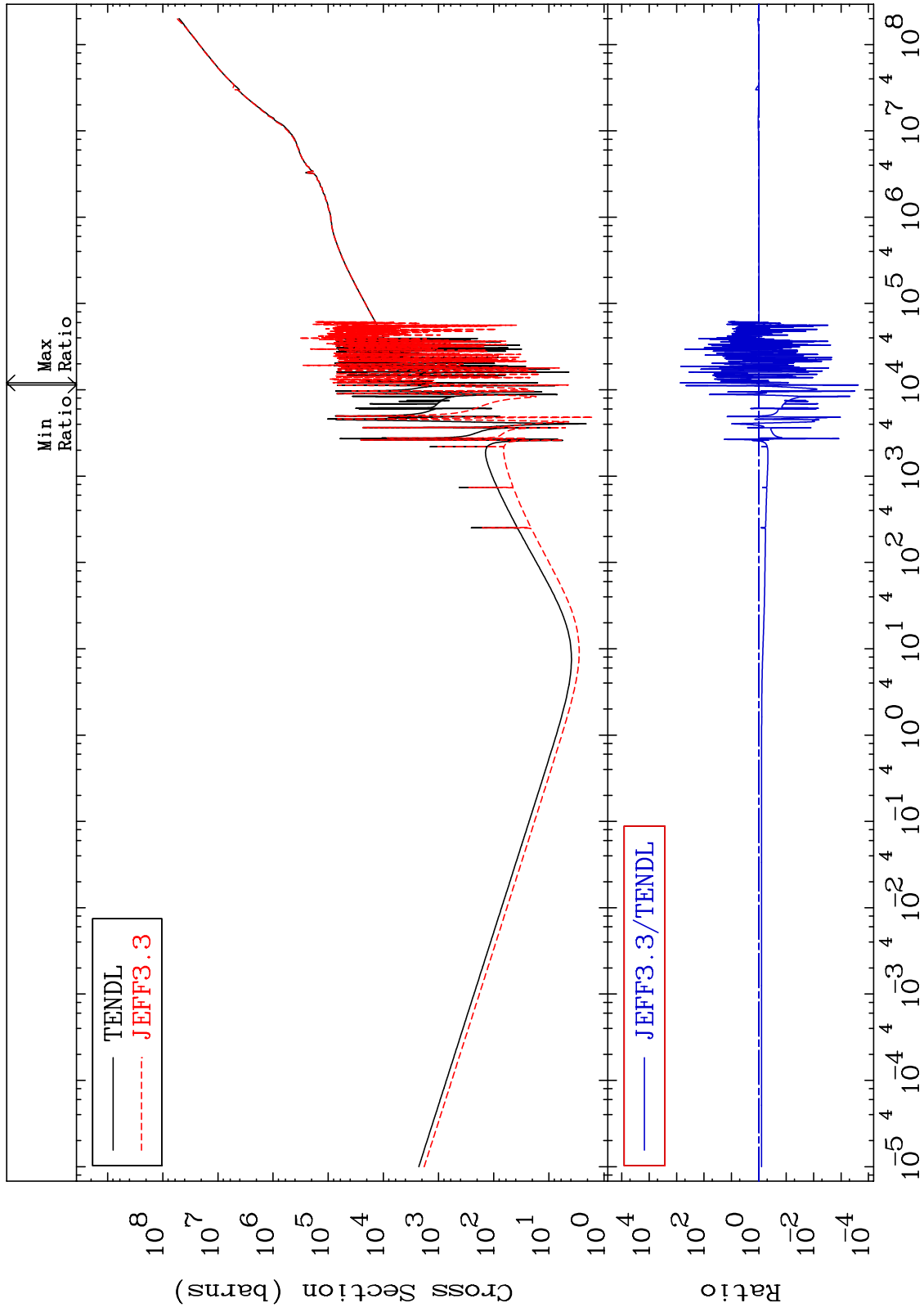
32-Ge-72  
0.000 To 9999. %



MAT 3231

Kerma total (eV-barns)  
Cross Section

32-Ge-72  
-99.98 To 9999. %



67

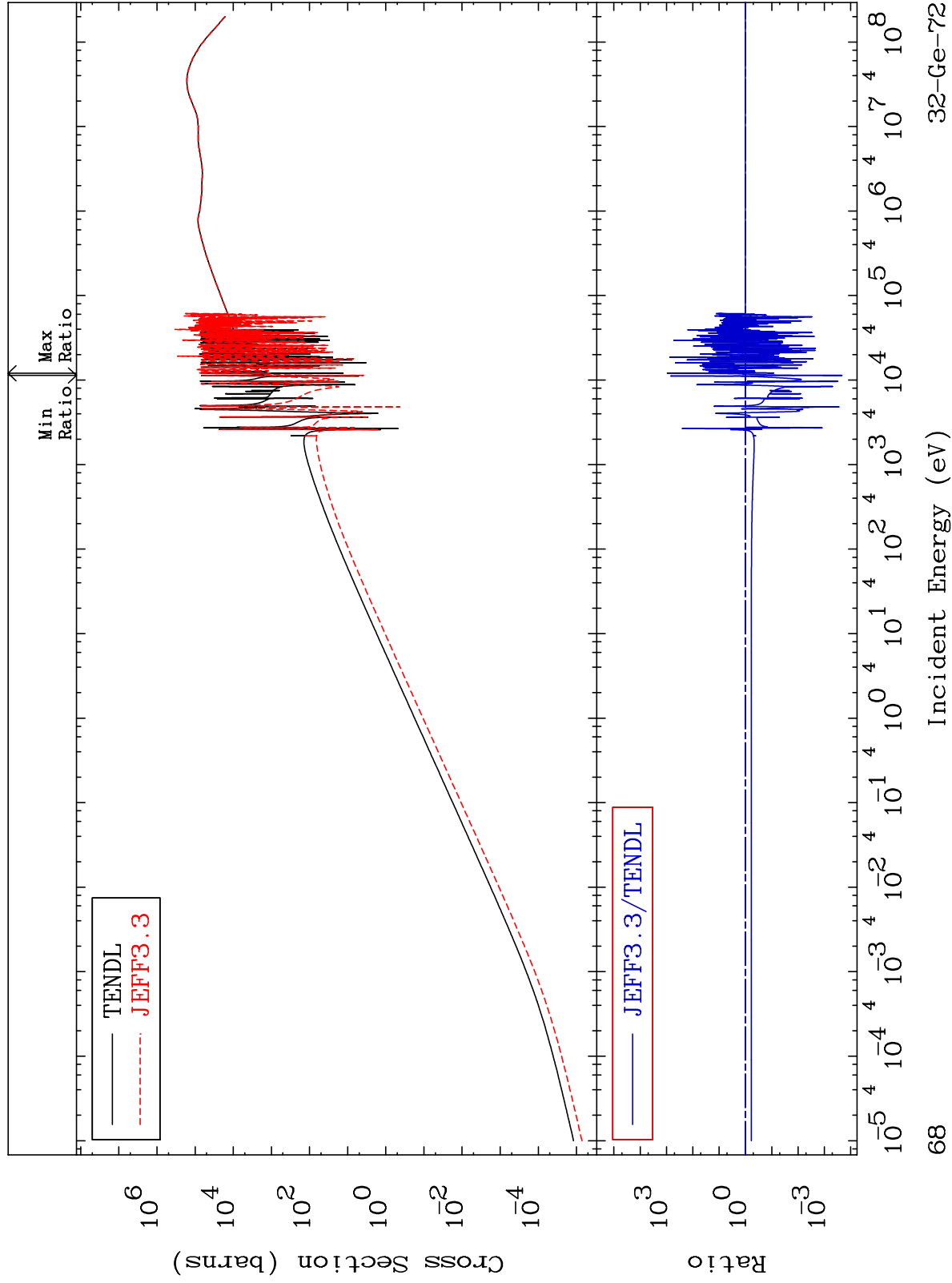
Incident Energy (eV)

32-Ge-72

MAT 3231

Kerma elastic  
Cross Section

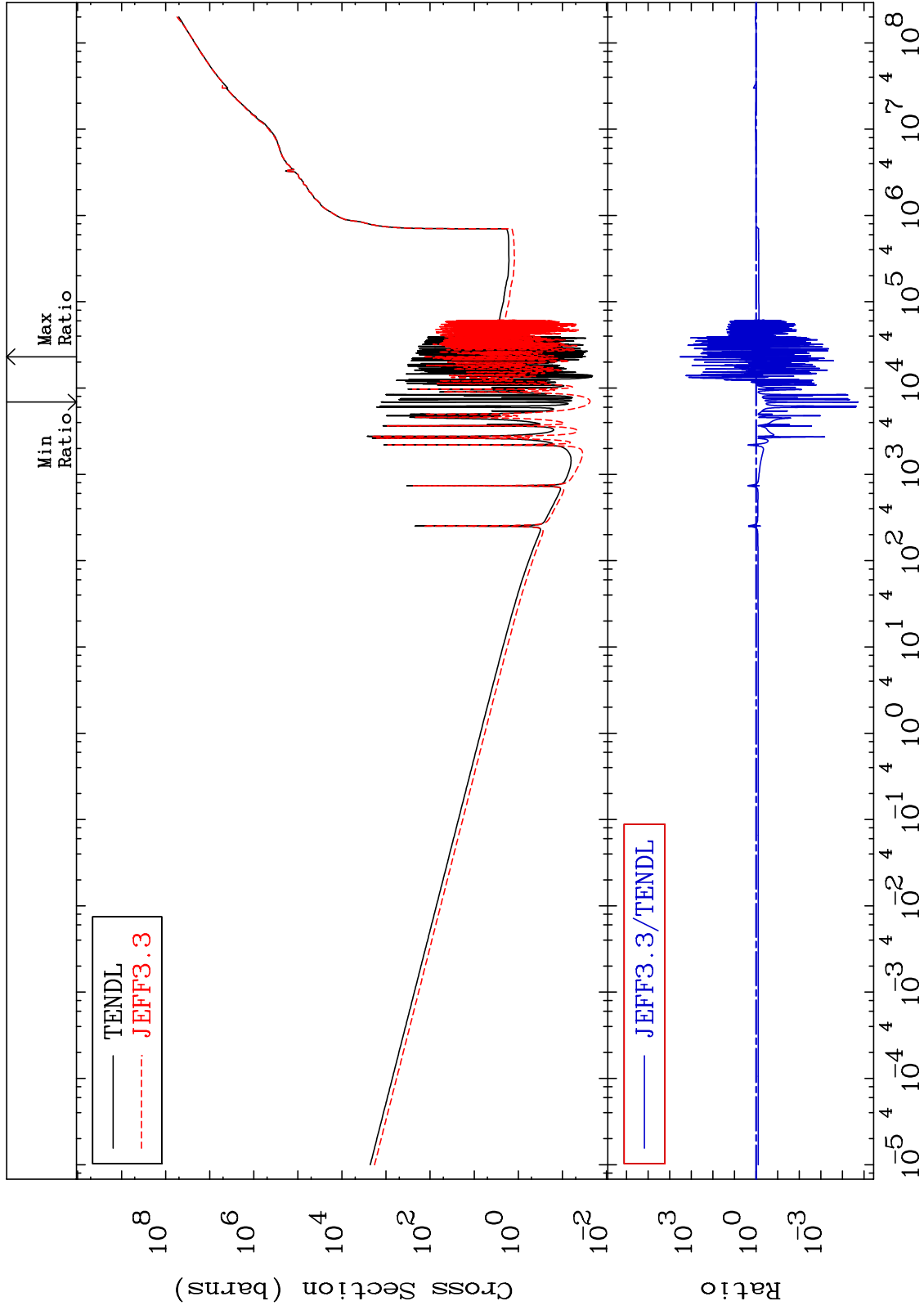
32-Ge-72  
-99.98 To 9999. %



MAT 3231

Kerma non-elastic (all but mt2)  
Cross Section

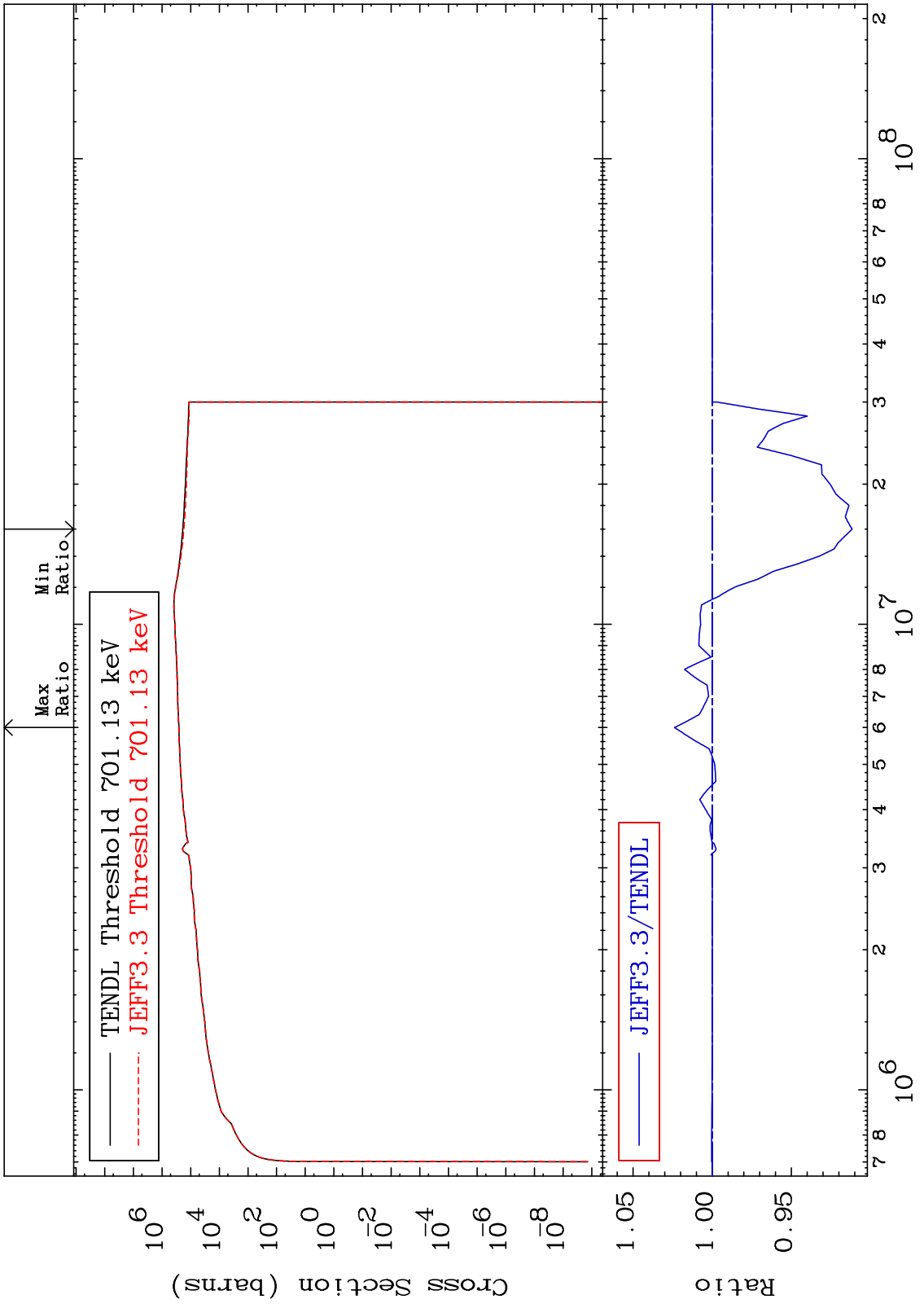
32-Ge-72  
-100.0 To 9999. %



MAT 3231

Kerma inelastic (mt51-91)  
Cross Section

32-Ge-72  
-8.838 To 2.376 %

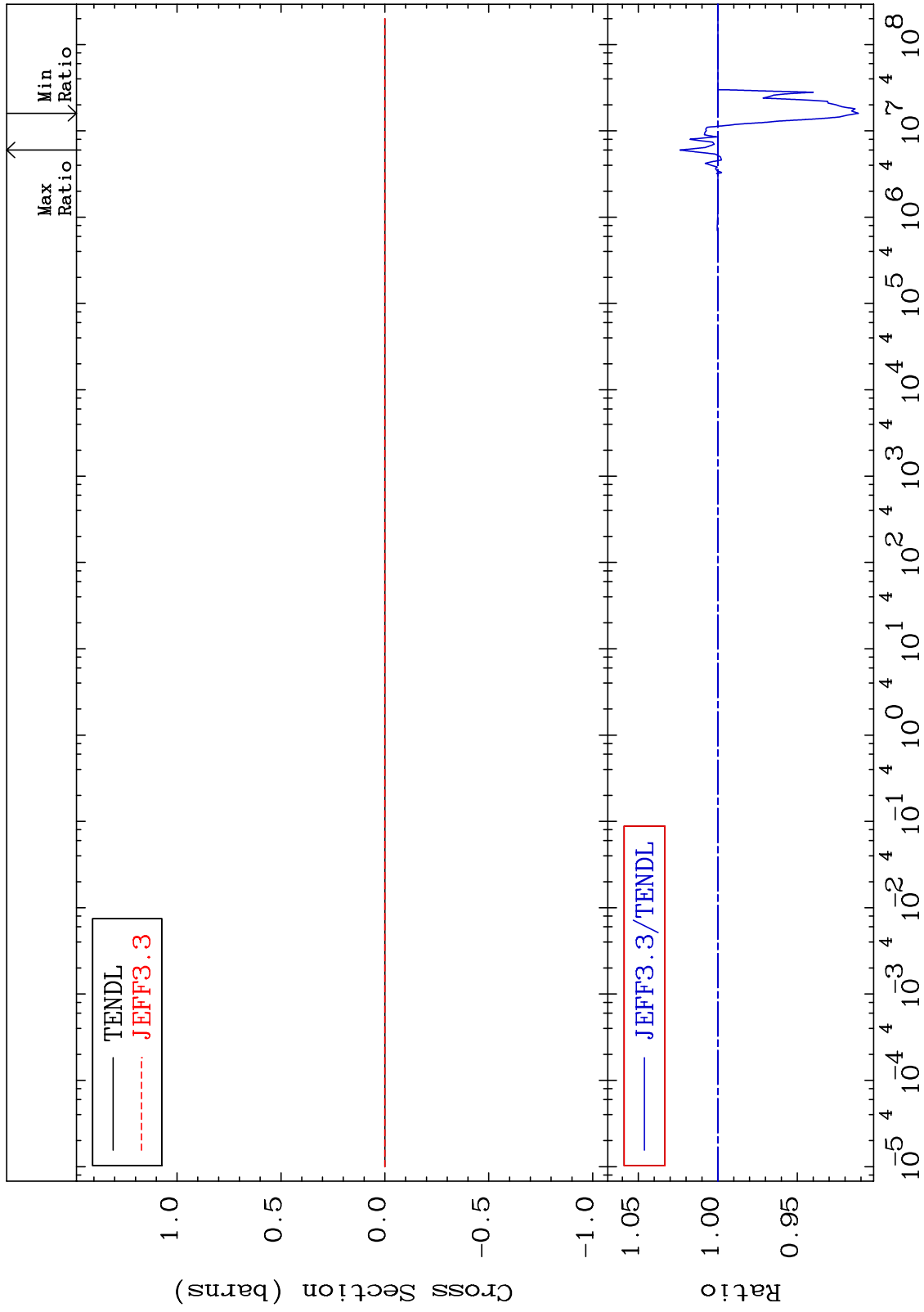


70 32-Ge-72

MAT 3231

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

32-Ge-72  
-8.838 To 2.376 %



71

Incident Energy (eV)

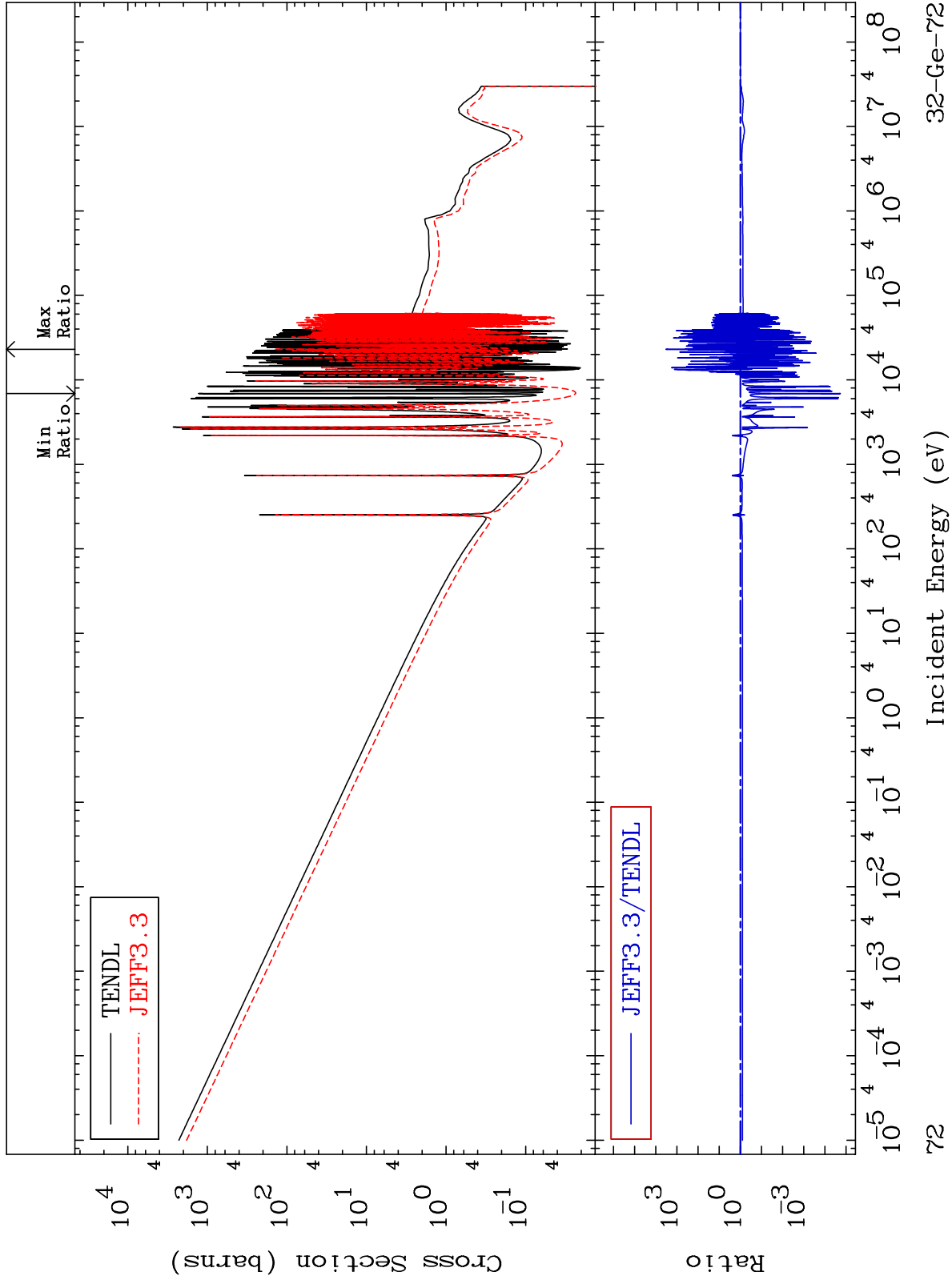
32-Ge-72



MAT 3231

Kerma capture (mt102)  
Cross Section

32-Ge-72  
-100.0 To 9999. %



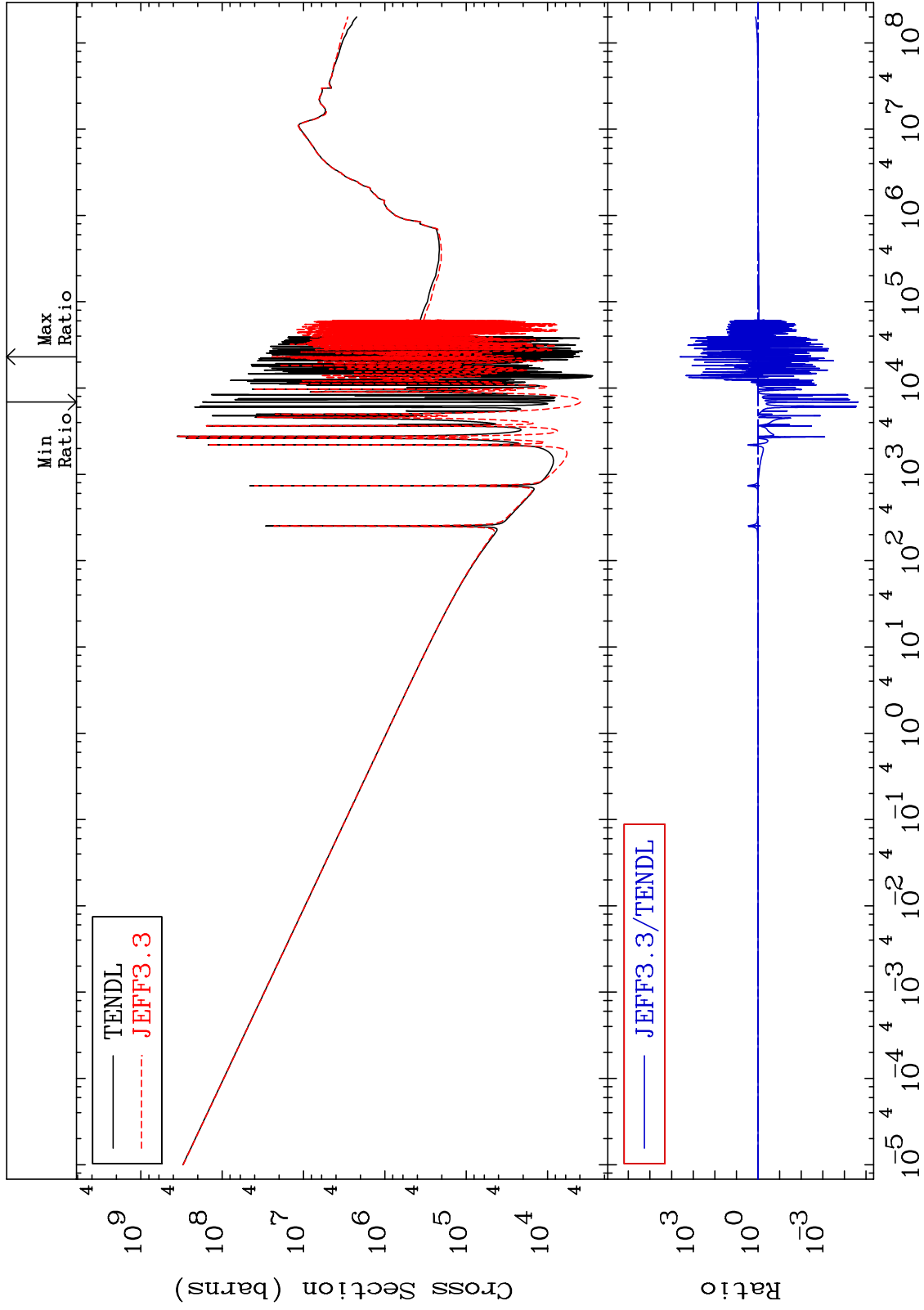
72

32-Ge-72

MAT 3231

Total photon (eV-barns)  
Cross Section

32-Ge-72  
-100.0 To 9999. %



73

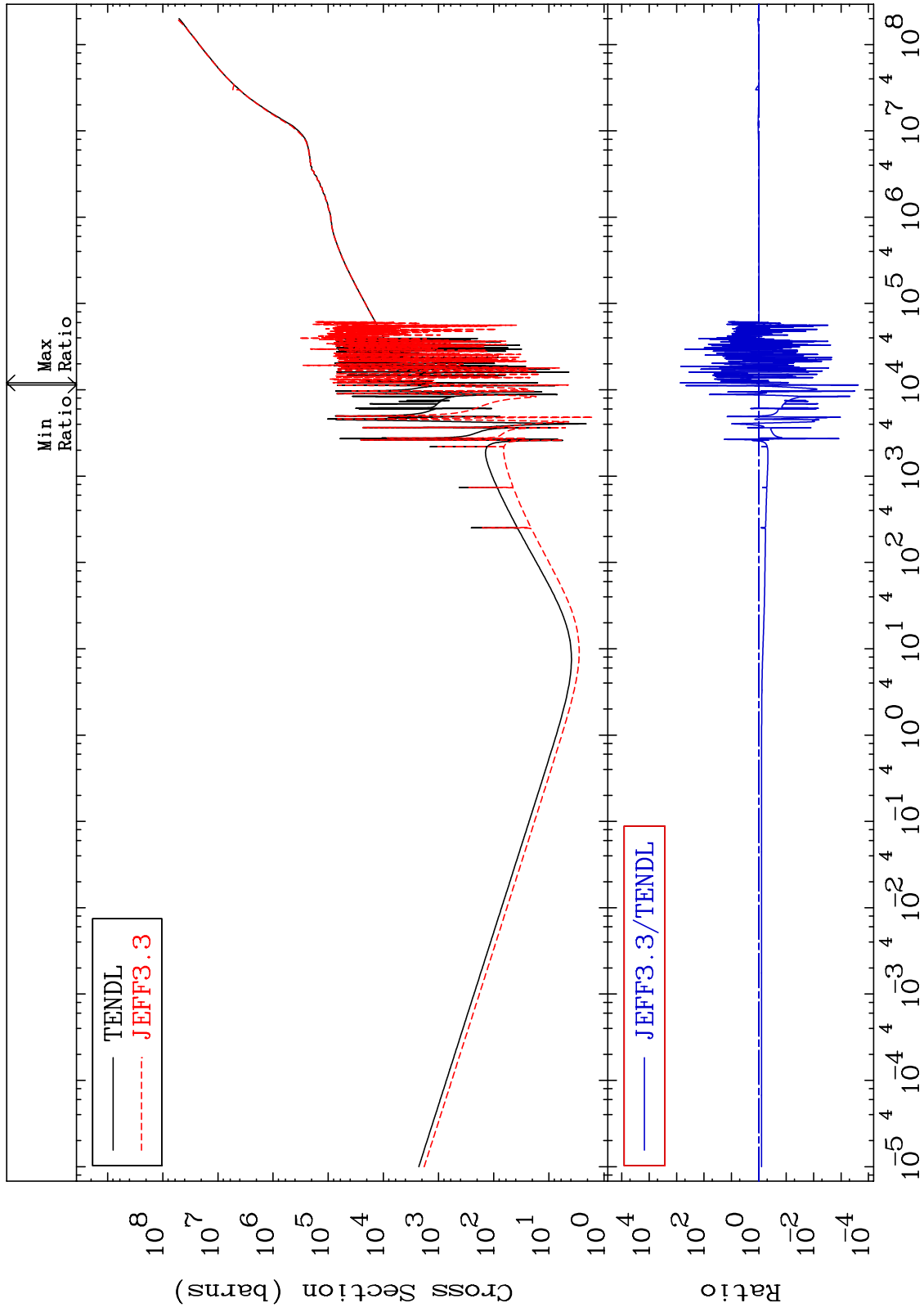
Incident Energy (eV)

32-Ge-72

MAT 3231

Total kinematic kerma (high limit)  
Cross Section

32-Ge-72  
-99.98 To 9999. %



74

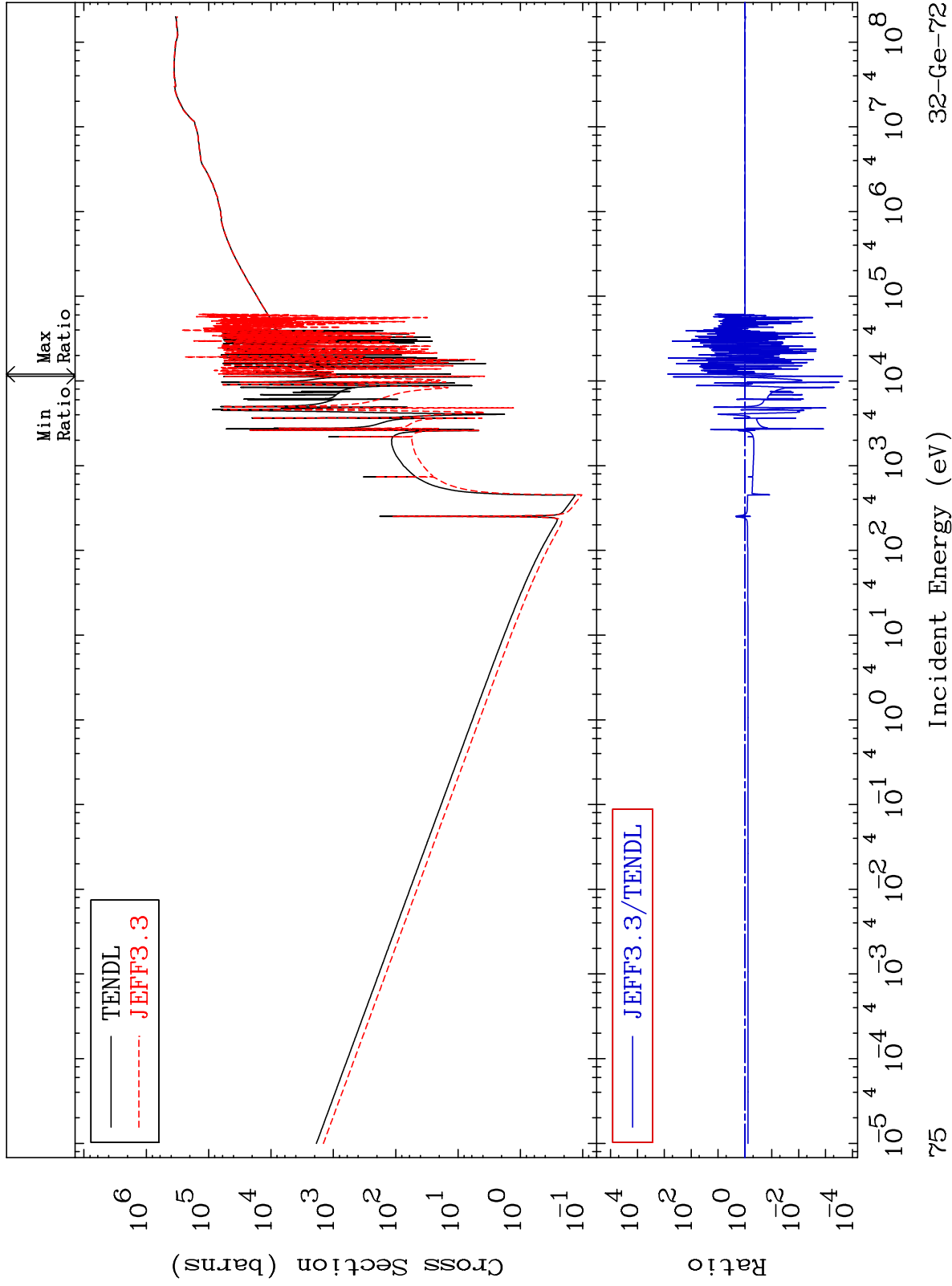
Incident Energy (eV)

32-Ge-72

MAT 3231

Dpa total (eV-barns)  
Cross Section

32-Ge-72  
-99.98 To 9999. %



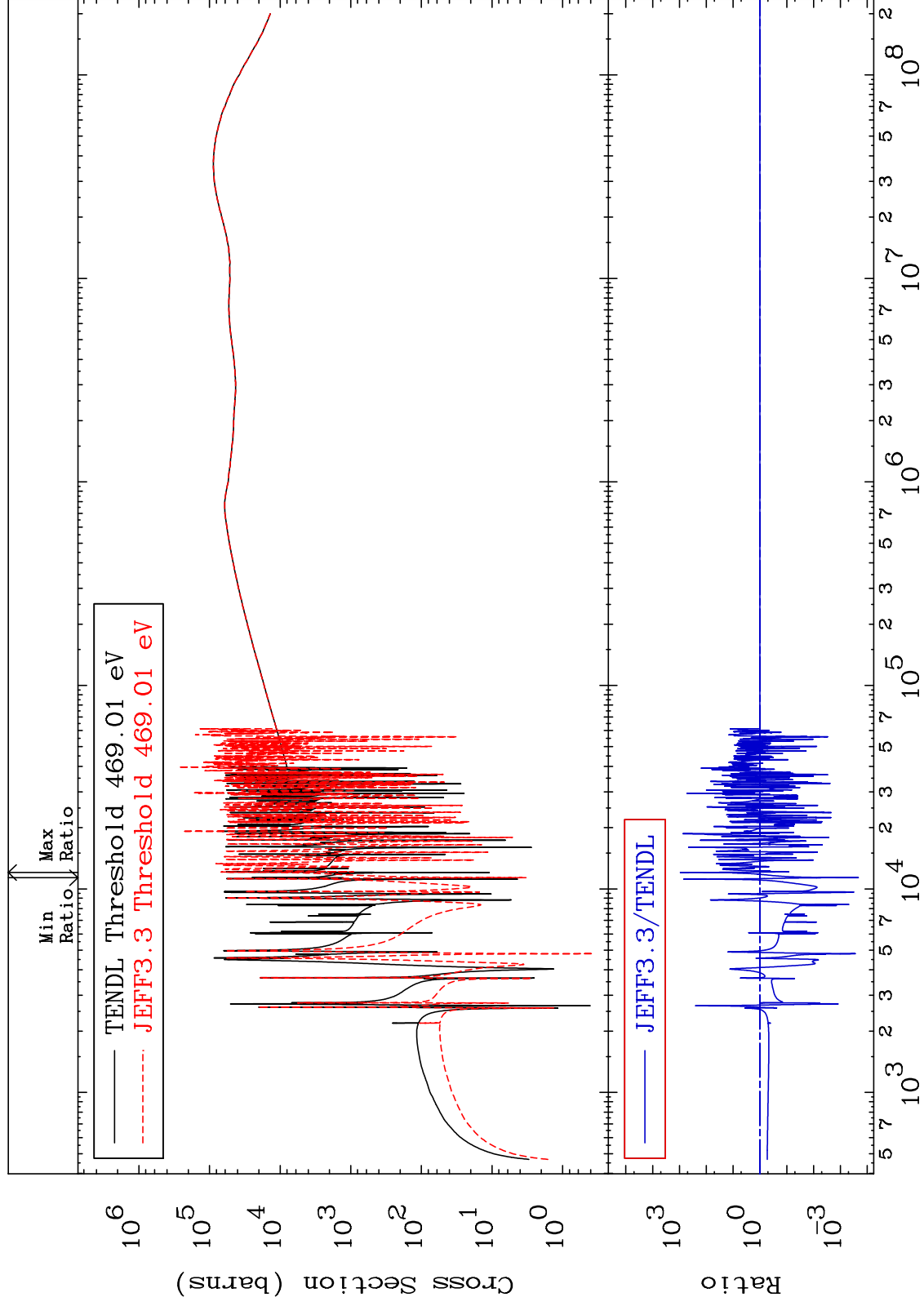
75

32-Ge-72

MAT 3231

Dpa elastic (mt2)  
Cross Section

32-Ge-72  
-99.98 To 9999. %



76

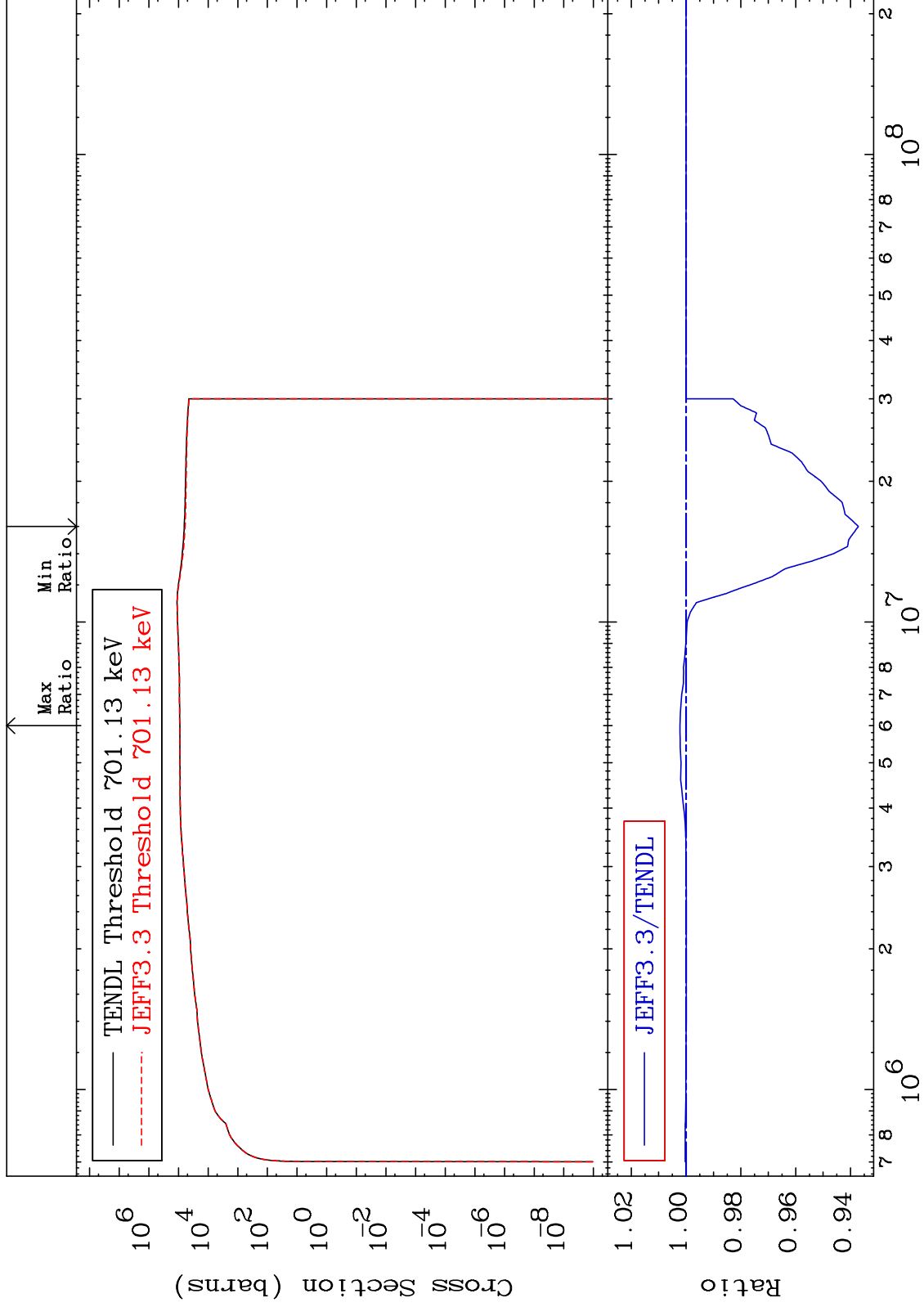
Incident Energy (eV)

32-Ge-72

MAT 3231

Dpa inelastic (mt51-91)  
Cross Section

32-Ge-72  
-6.288 To 0.220 %



77

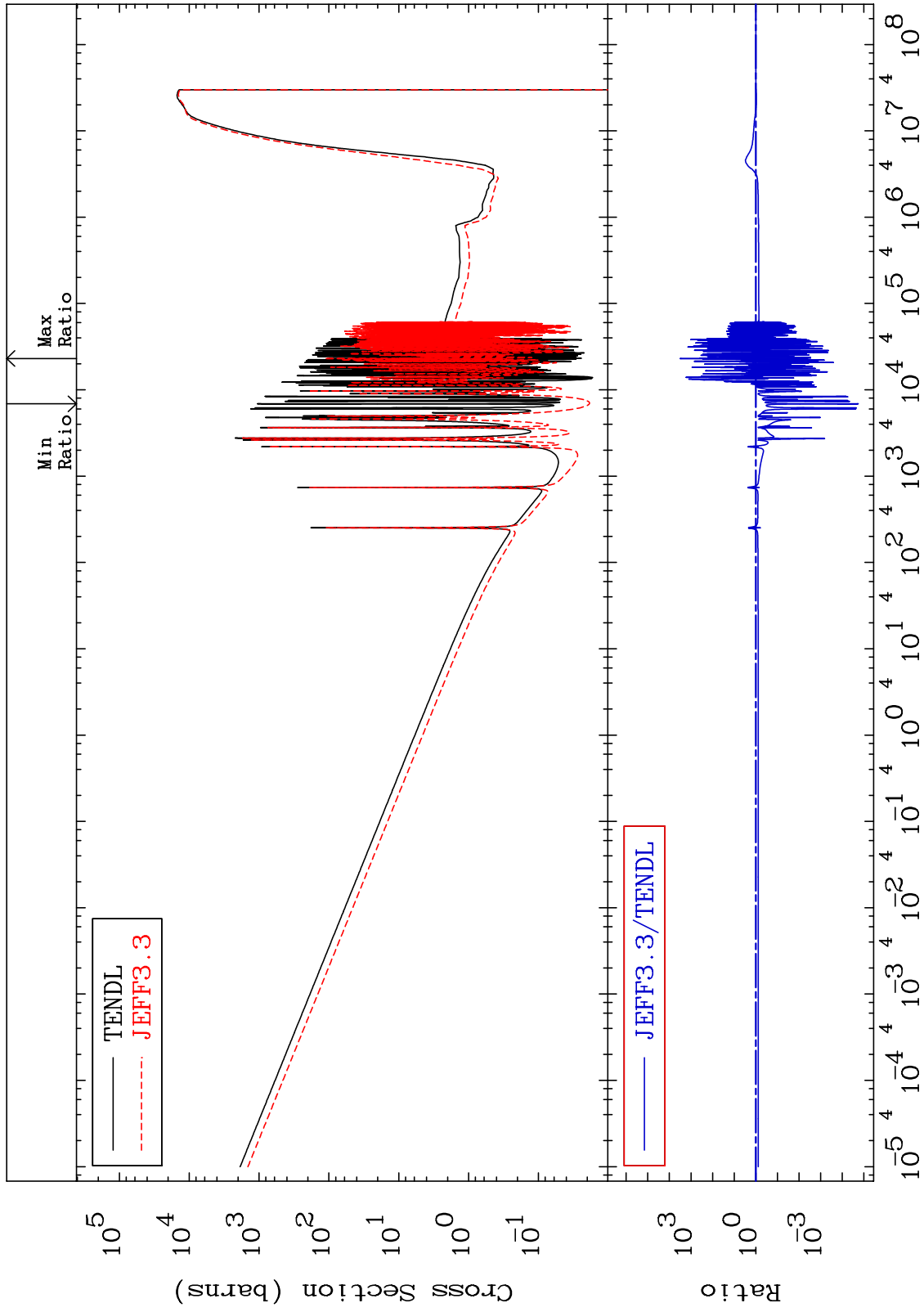
Incident Energy (eV)

32-Ge-72

MAT 3231

Dpa disappearance (mt102 -120)  
Cross Section

32-Ge-72  
-100.0 To 9999. %



78

Incident Energy (eV)

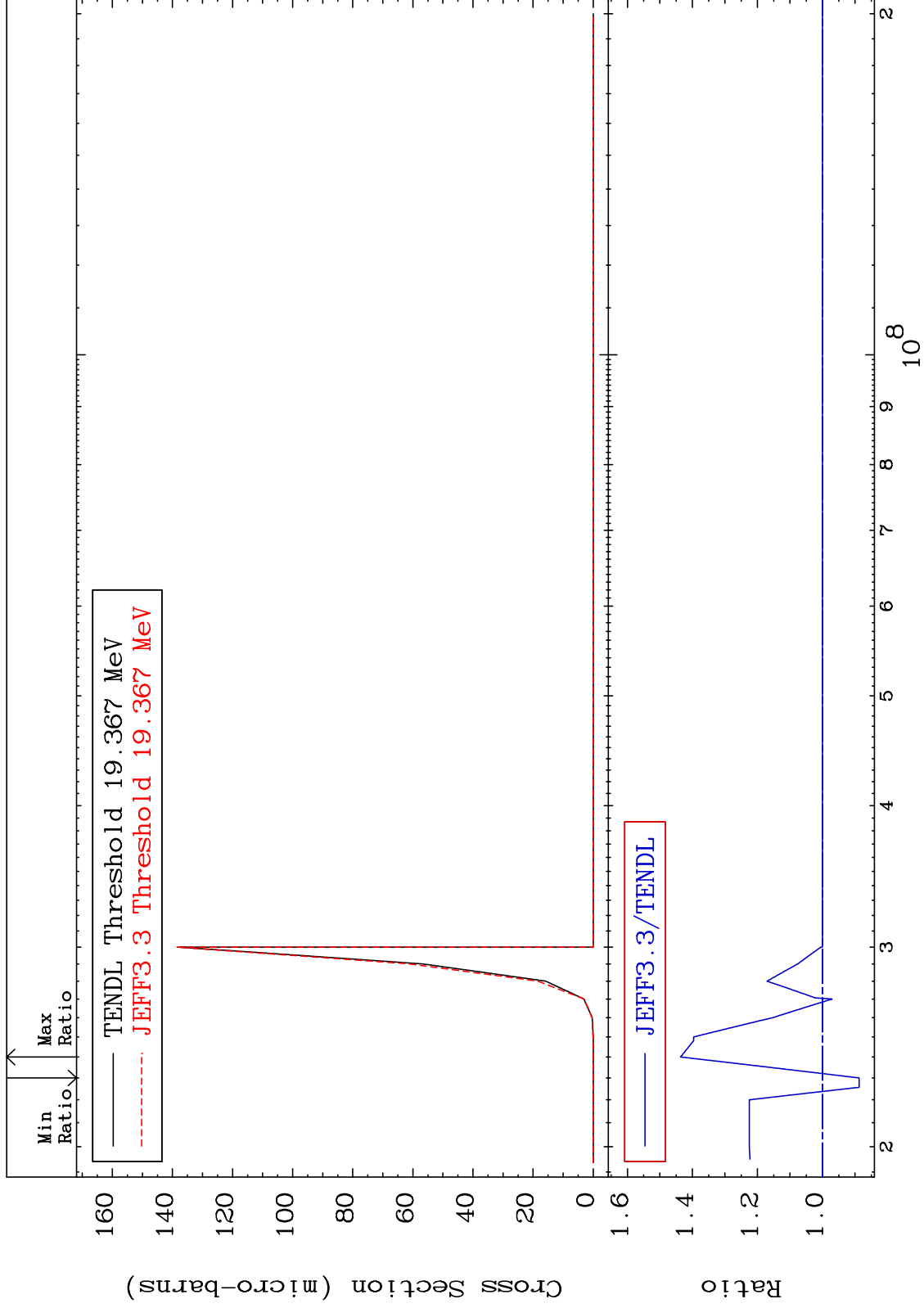
32-Ge-72

MAT 3231

(n, n') He-3:30-Zn-69g

32-Ge-72

Radionuclide Production Cross Section -11.27 To 43.63 %



79

Incident Energy (eV)

32-Ge-72

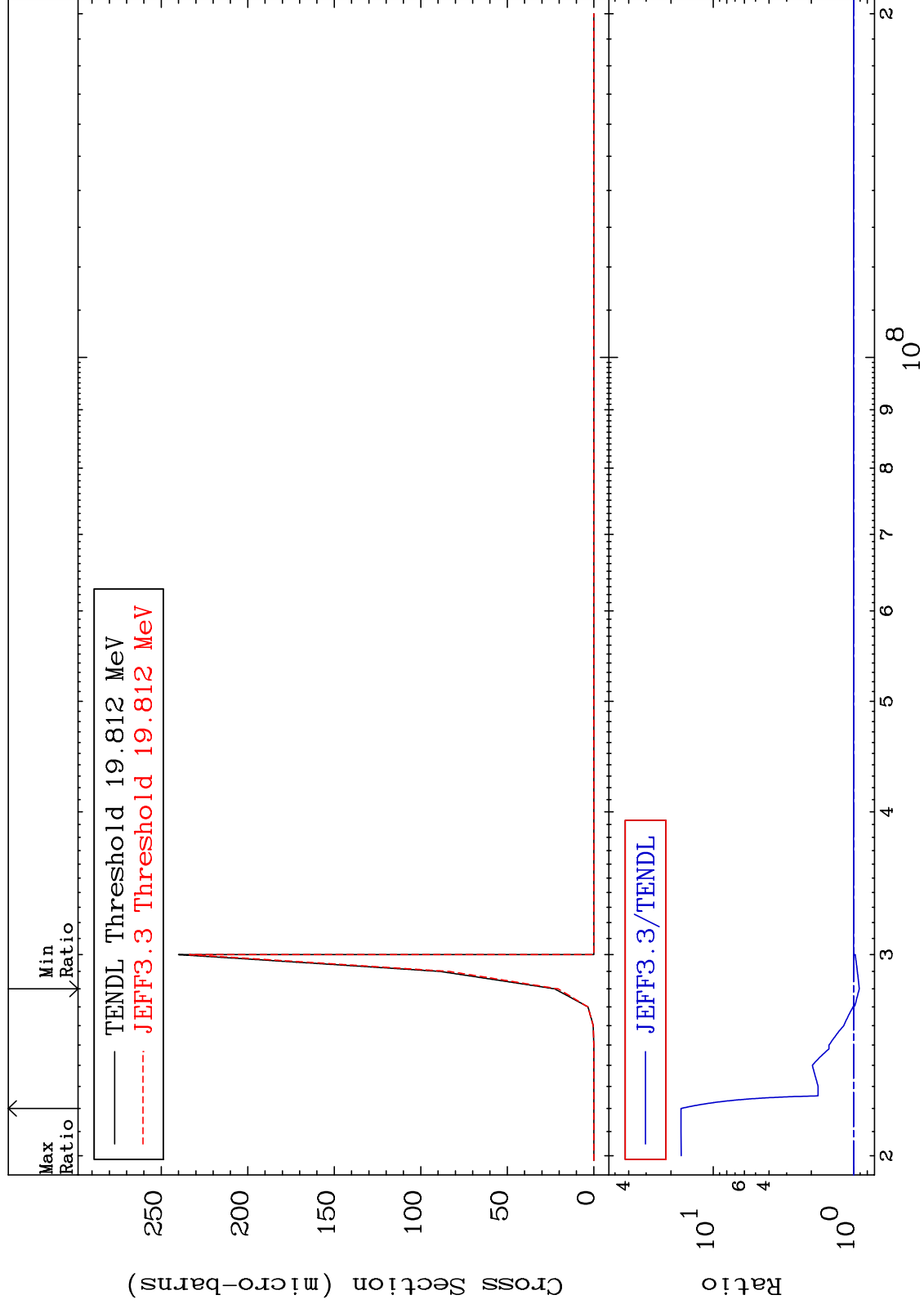


MAT 3231

(n, n') He-3:30-Zn-69m1

32-Ge-72

Radionuclide Production Cross Section -8.908 To 1593. %



80

Incident Energy (eV)

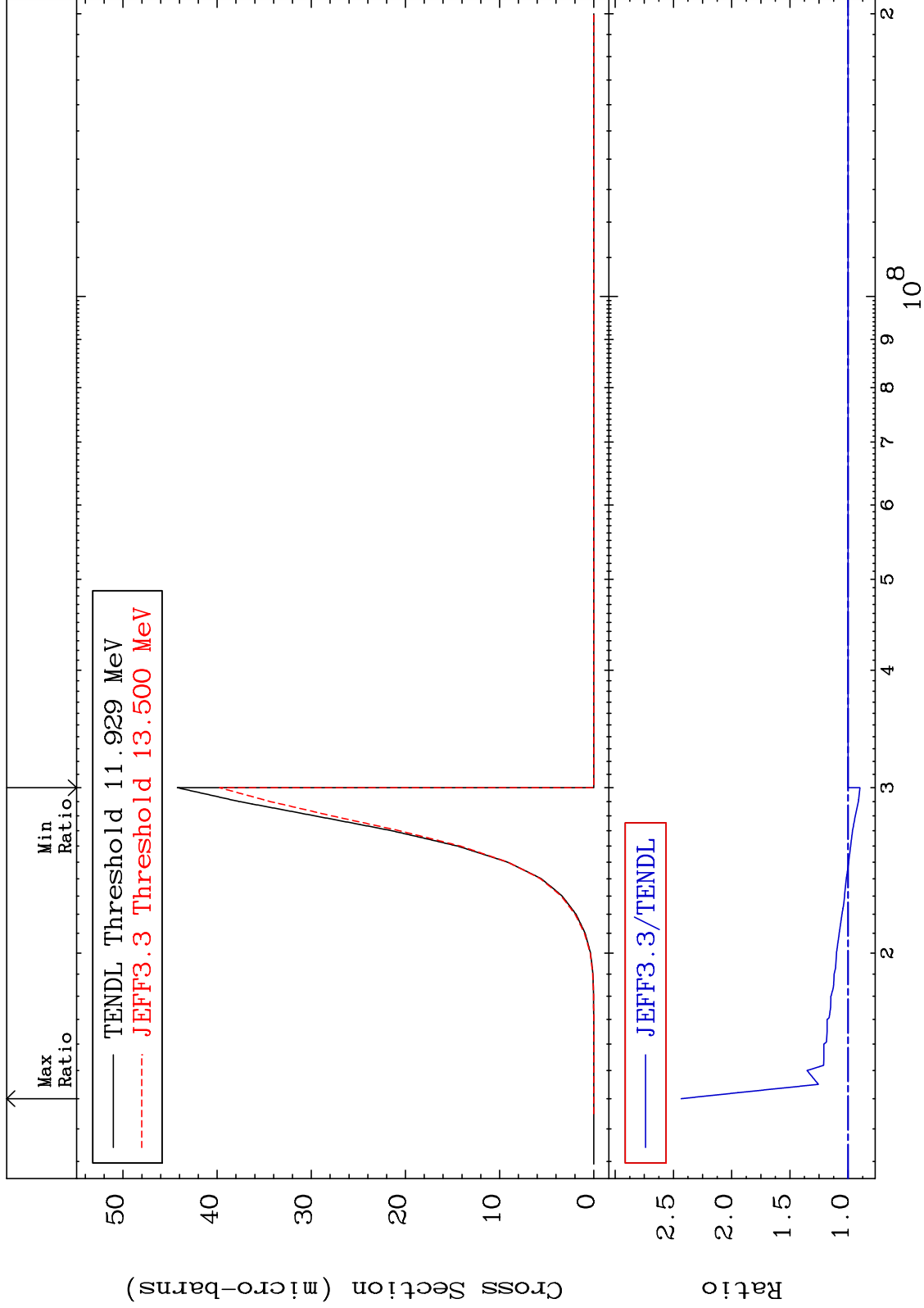
32-Ge-72

MAT 3231

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

32-Ge-72

Radionuclide Production Cross Section -10.10 To 143.3 %

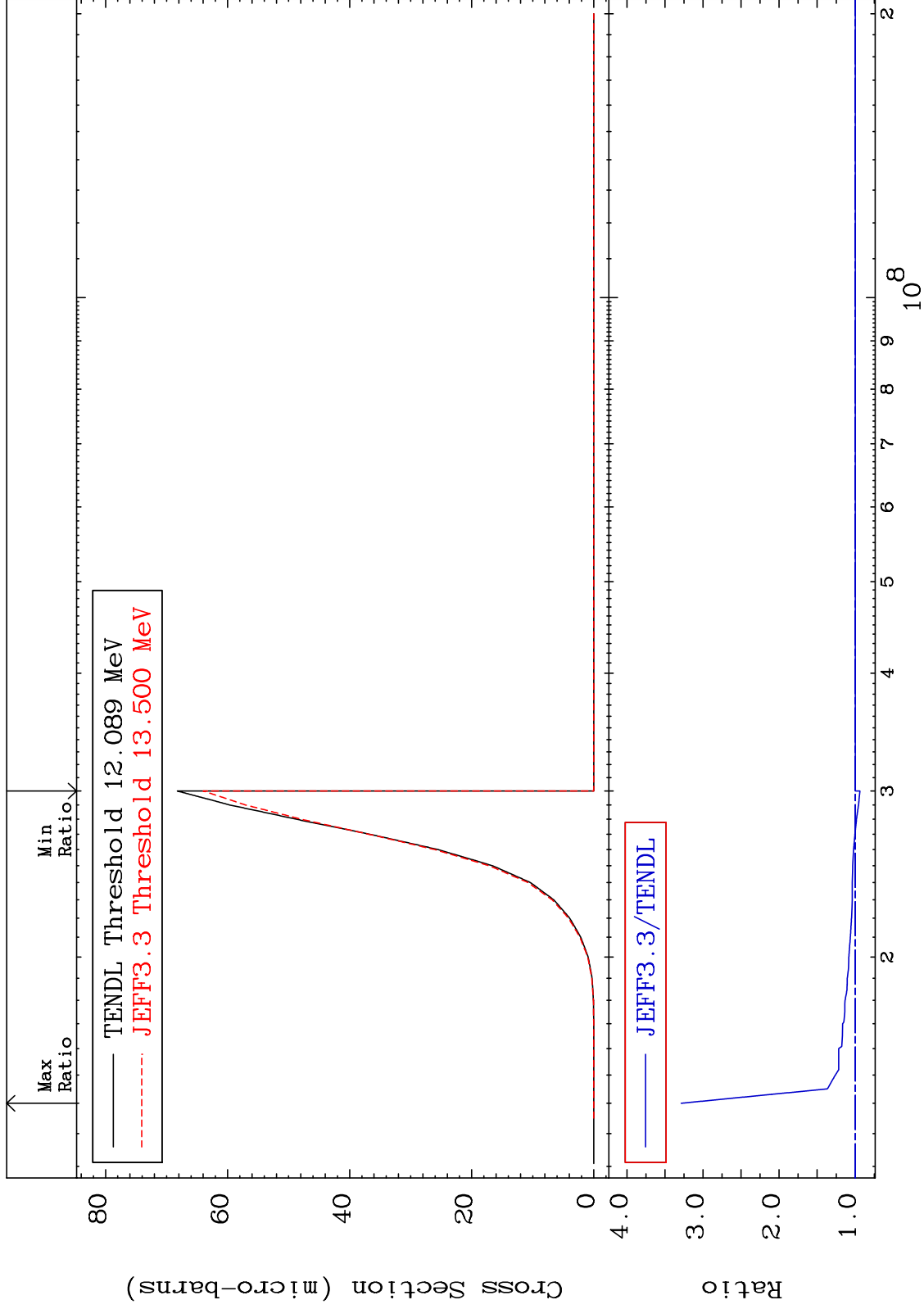


MAT 3231

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

32-Ge-72

Radionuclide Production Cross Section -6.205 To 228.6 %

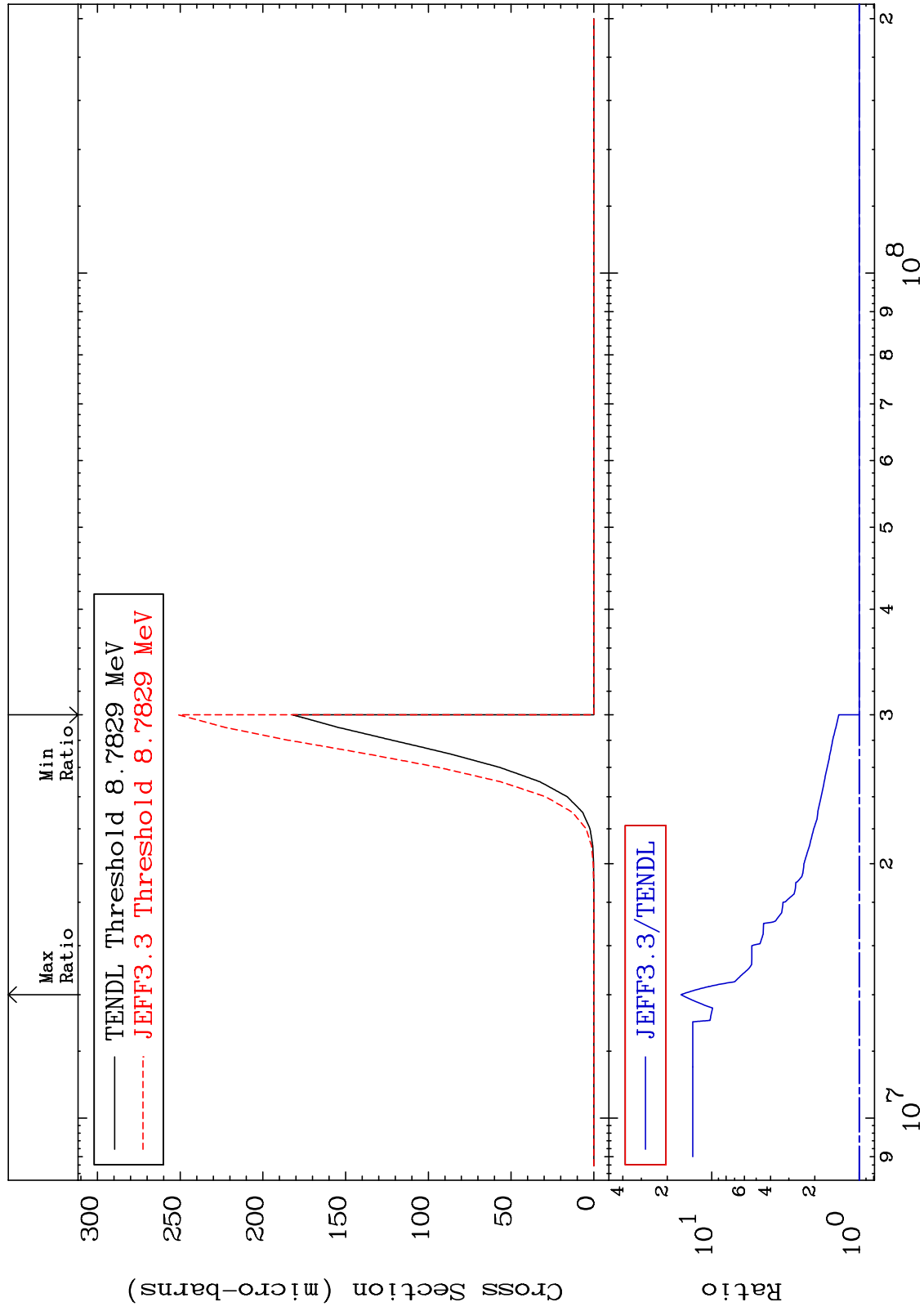


MAT 3231

(n, p)  $\alpha$ :29-Cu-68g

32-Ge-72

Radionuclide Production Cross Section 0.000 To 1514. %

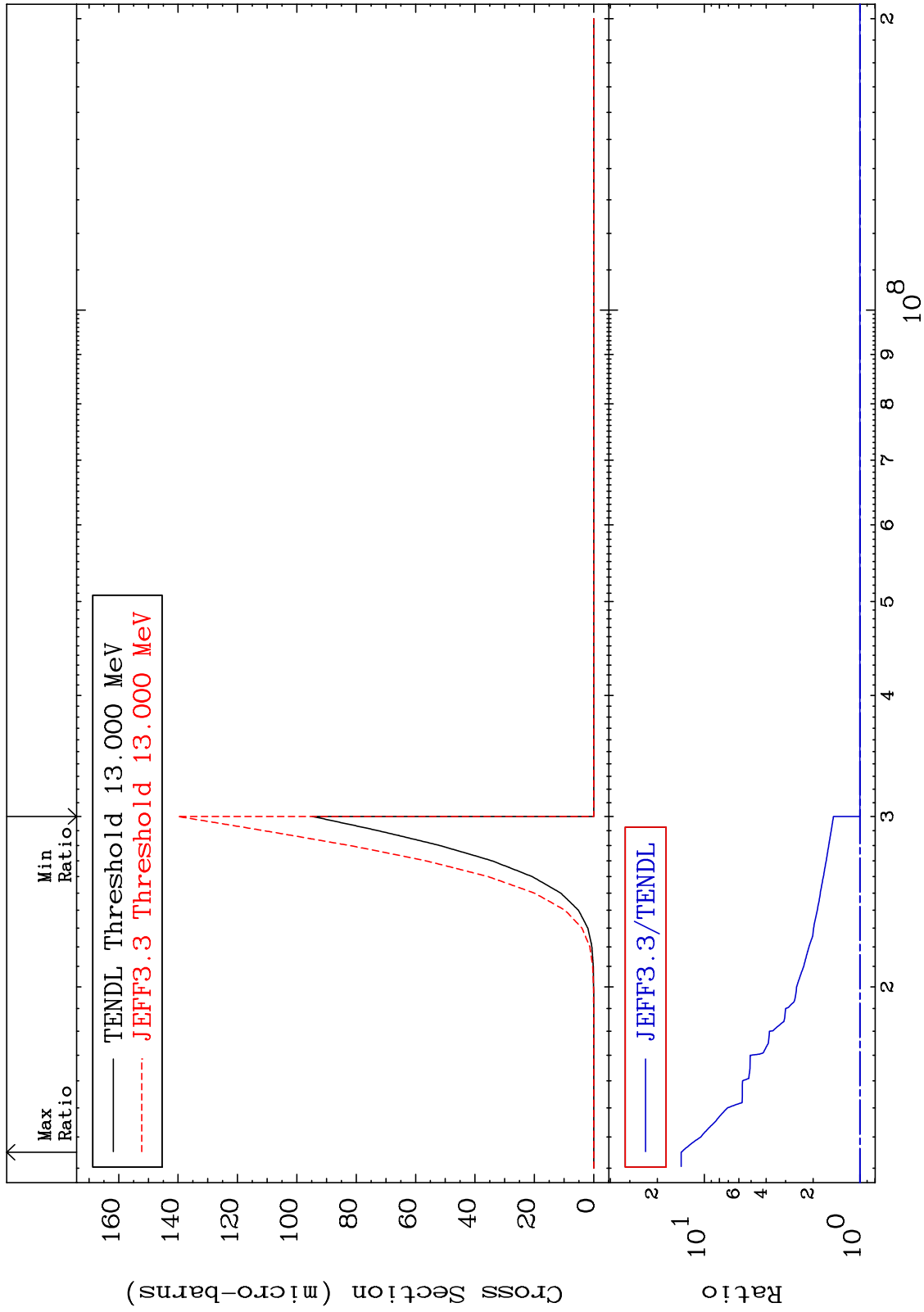


83

Incident Energy (eV)

32-Ge-72

Radionuclide Production Cross Section 0.000 To 1305. %

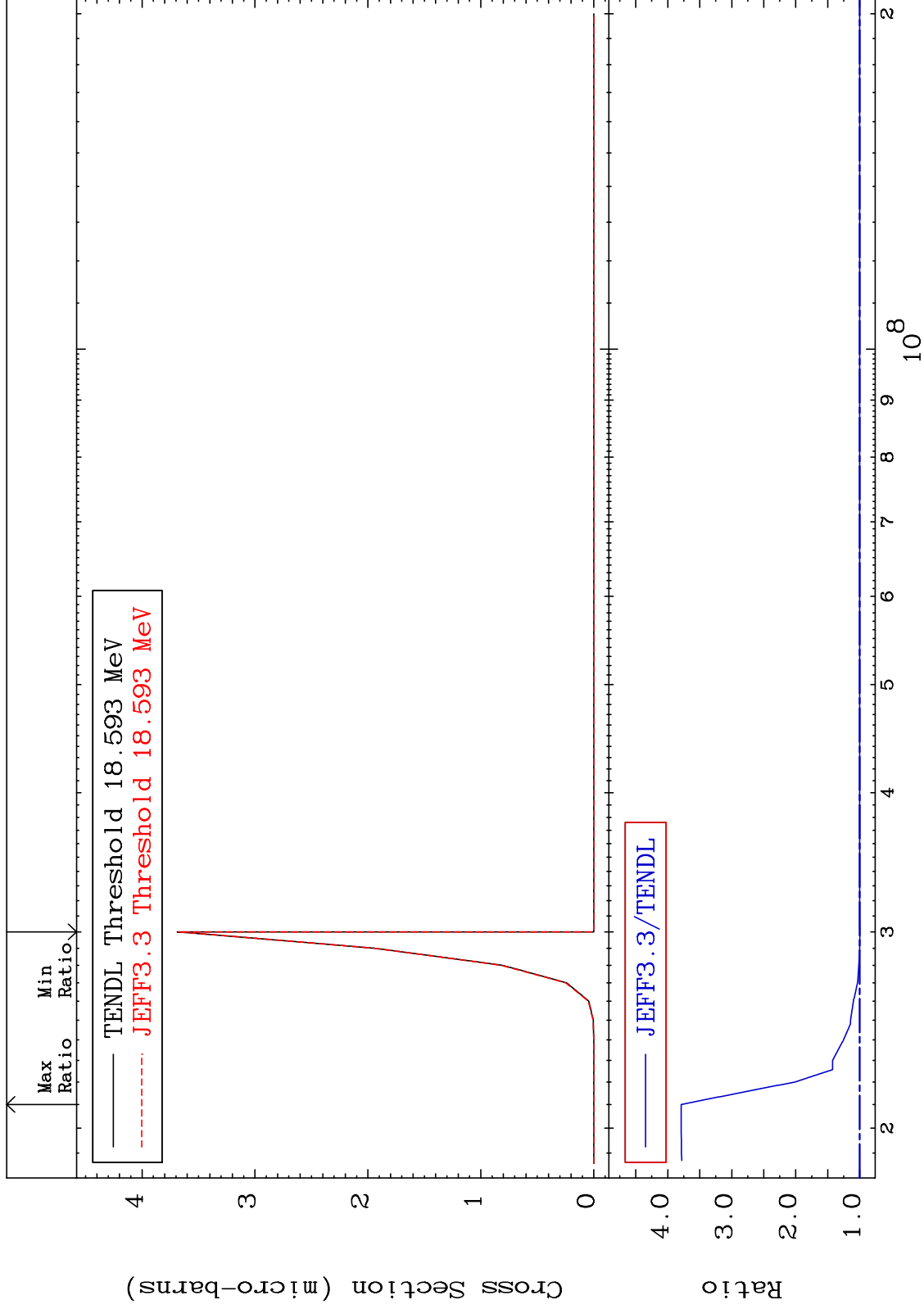


MAT 3231

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

32-Ge-72

Radionuclide Production Cross Section -0.257 To 278.9 %



85

Incident Energy (eV)

32-Ge-72

MAT 3231

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

32-Ge-72

Radionuclide Production Cross Section -3.802 To 114.0 %

