

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

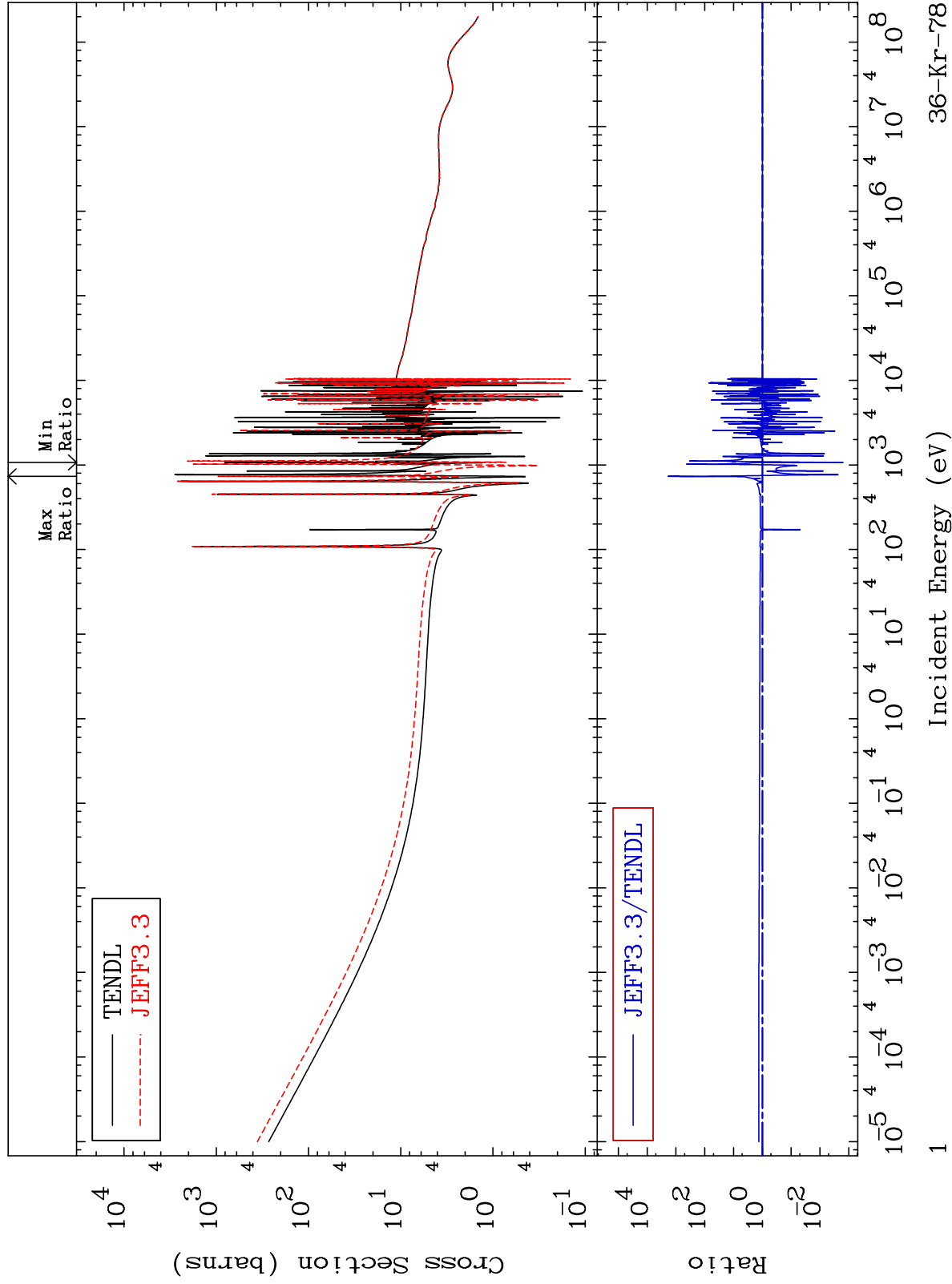
MAT 3625

Total

36-Kr-78

-99.84 To 9999. %

Cross Section



36-Kr-78

Incident Energy (eV)

1

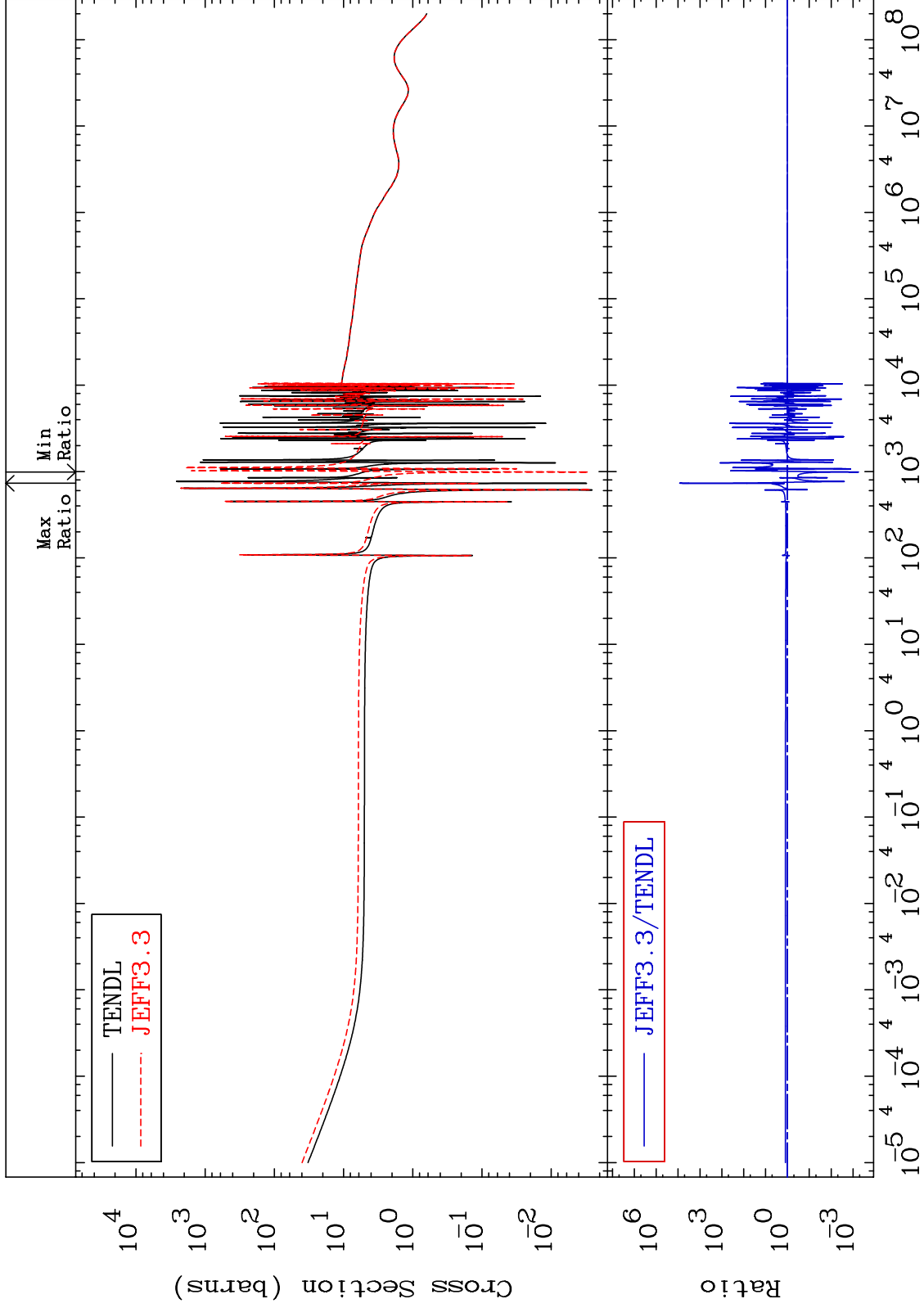
MAT 3625

Elastic

<sup>36</sup>Kr-78

Cross Section

-99.94 To 9999. %



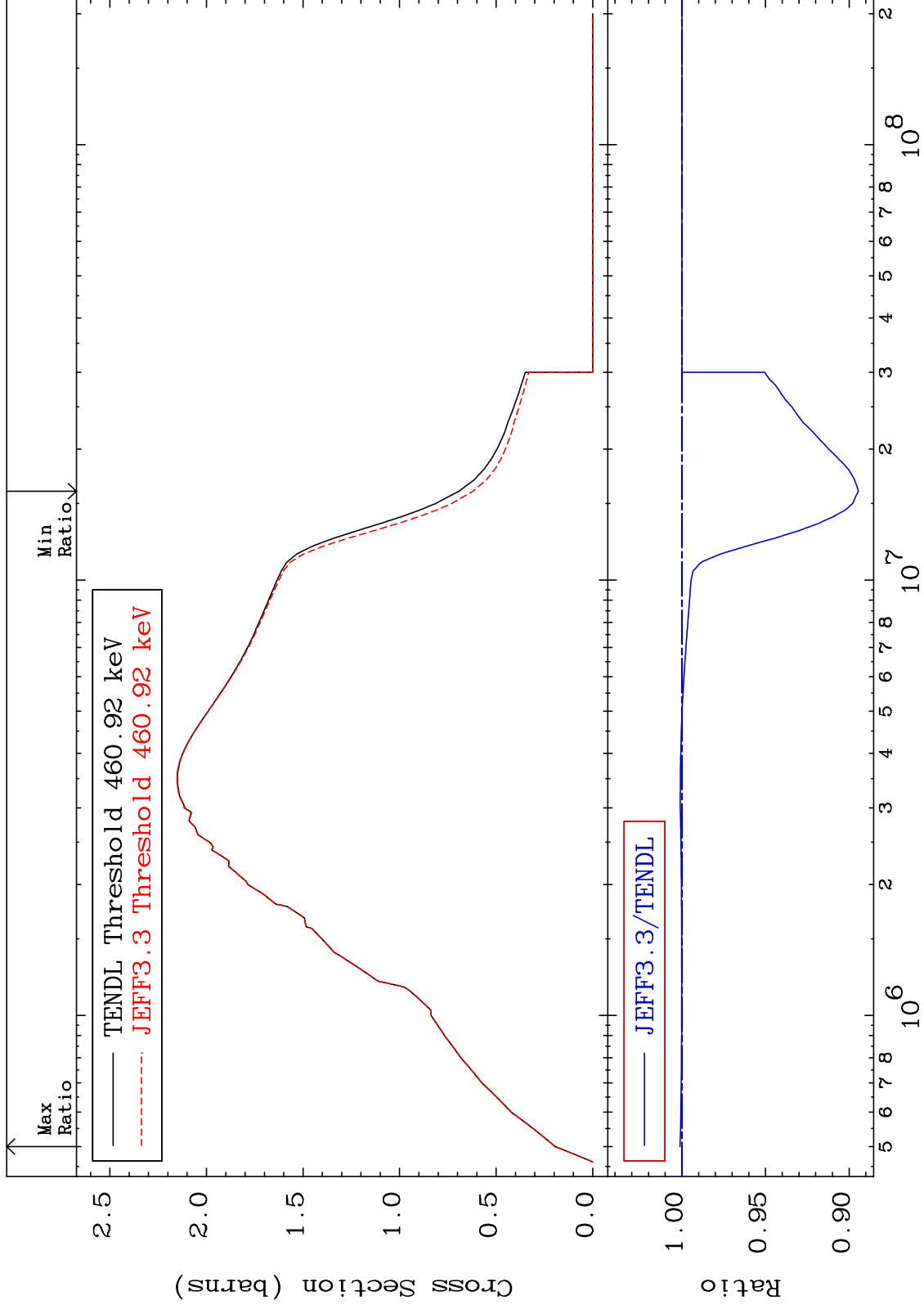
MAT 3625

Inelastic

<sup>36</sup>Kr-78

-10.55 To 0.114 %

Cross Section



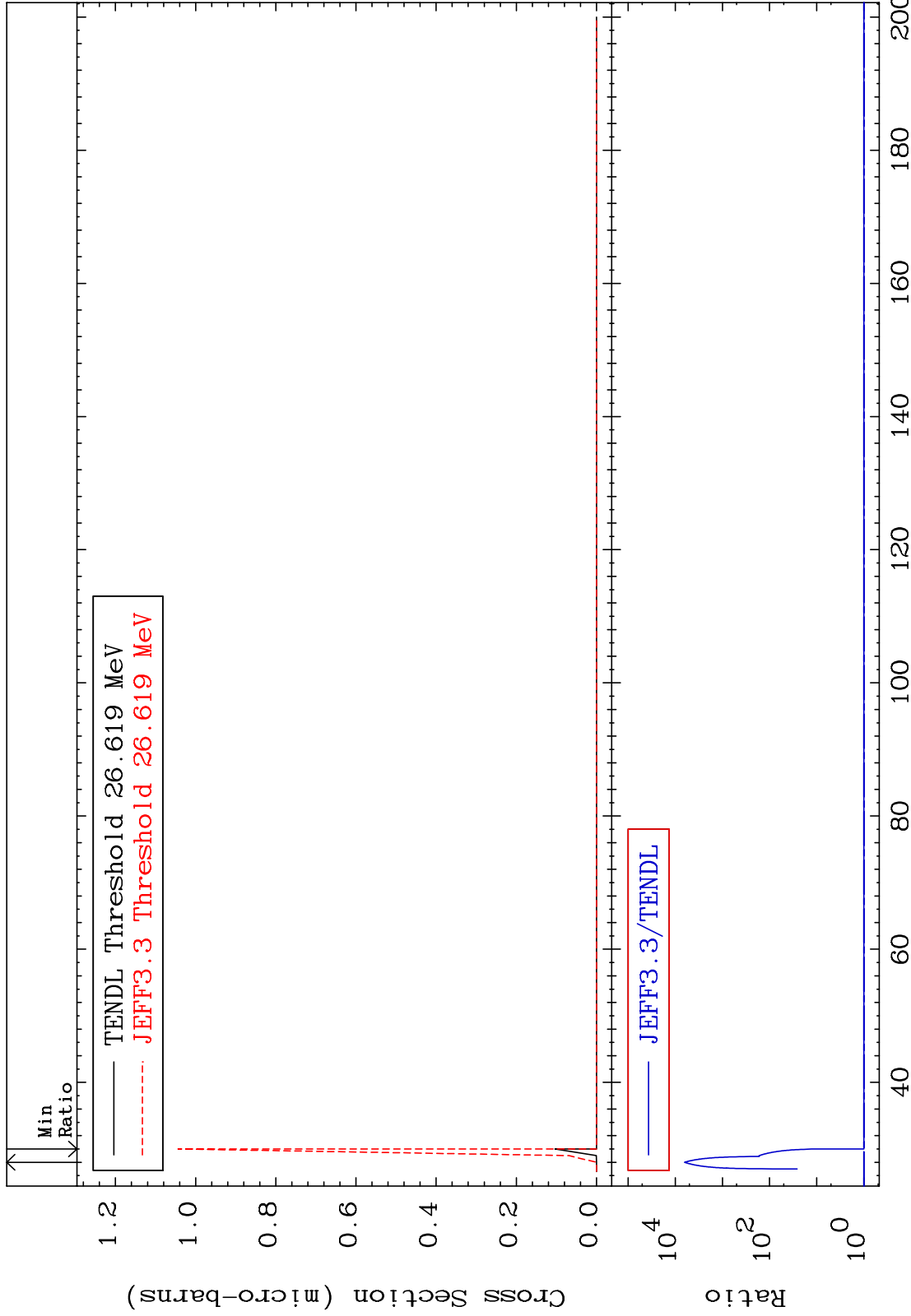
MAT 3625

(n,2n) d

<sup>36</sup>Kr-78

Cross Section

0.000 To 9999. %



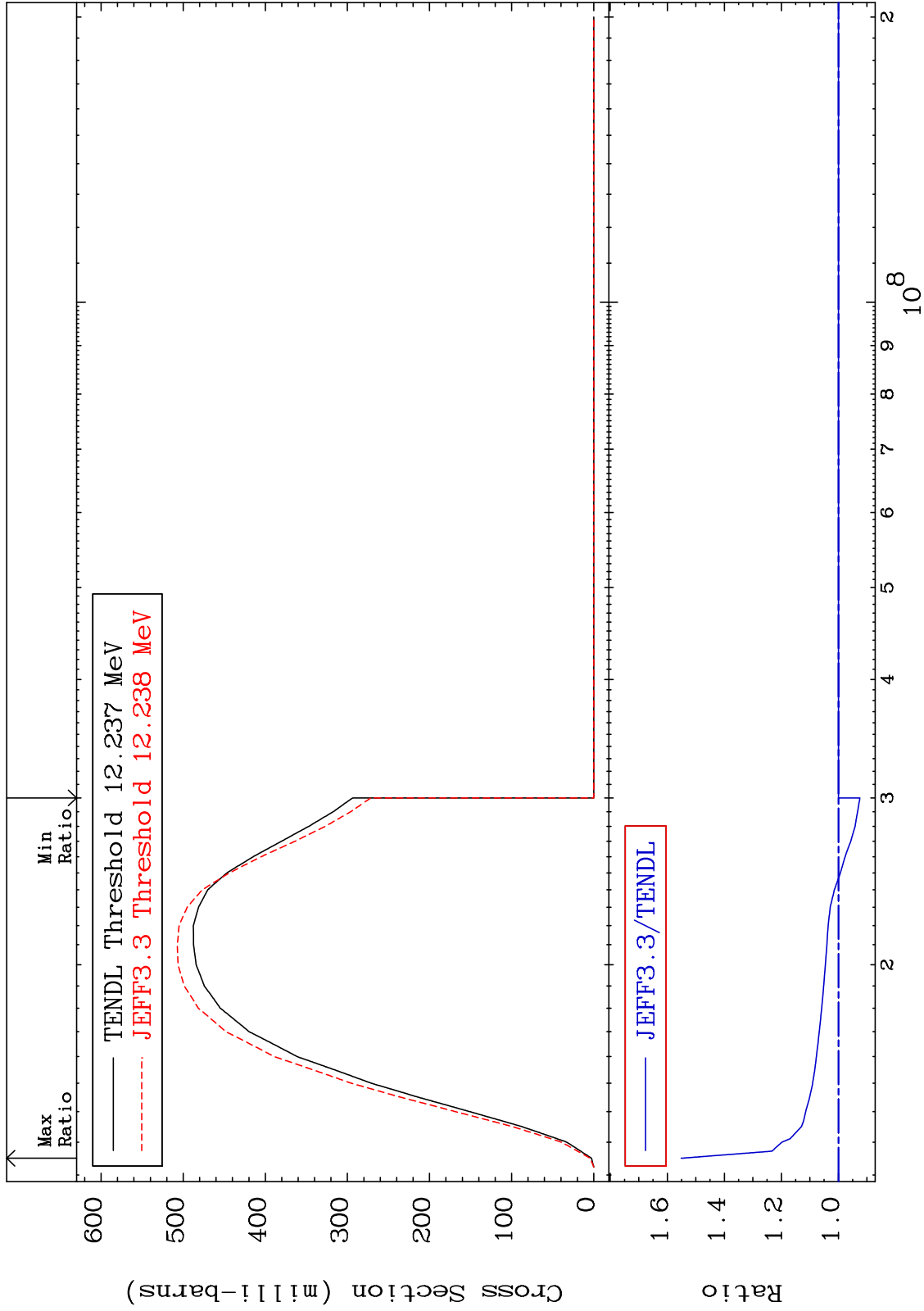
MAT 3625

(n, 2n)

<sup>36</sup>Kr-78

-7.549 To 55.11 %

Cross Section



MAT 3625

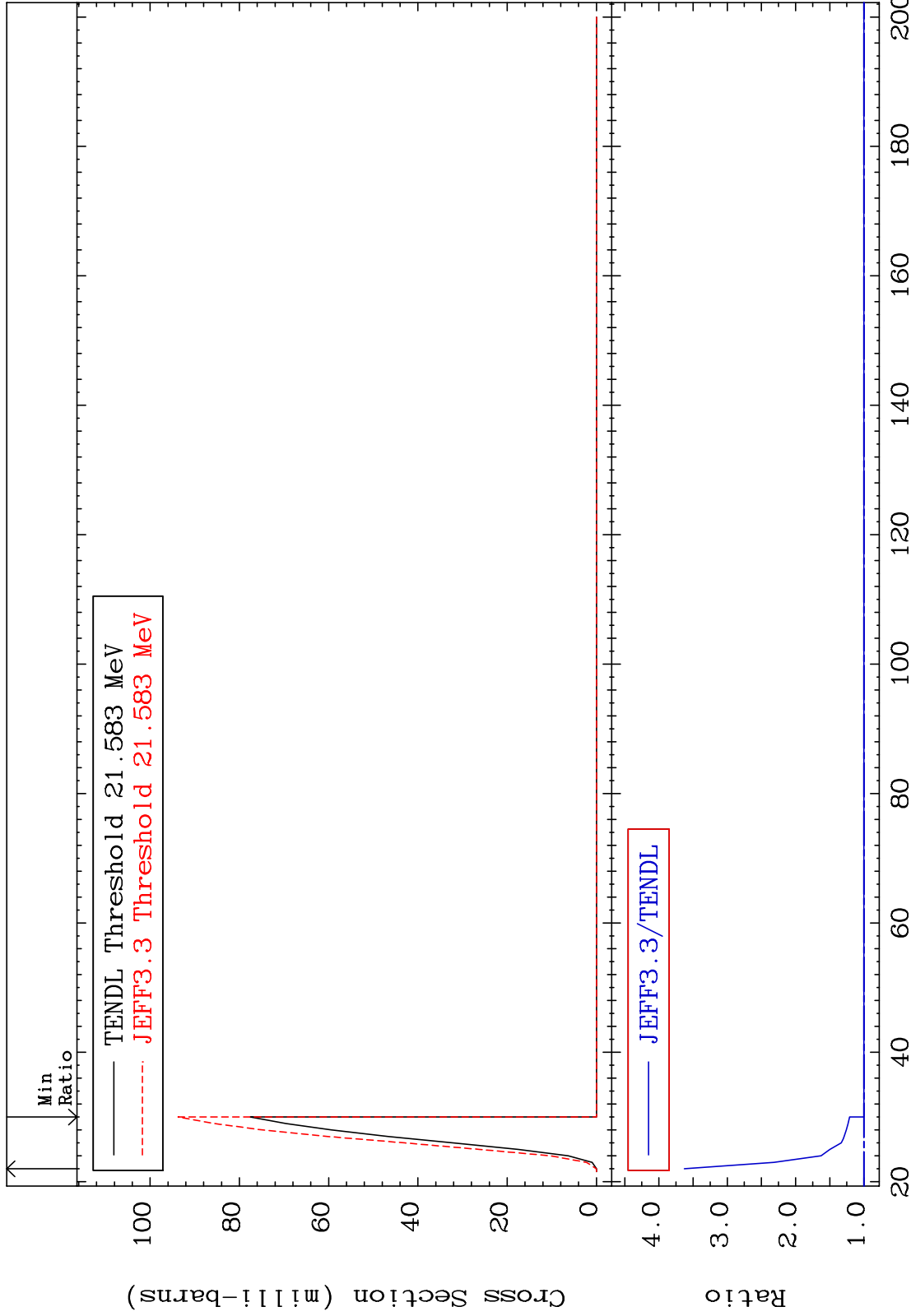
(n, 3n)

<sup>36</sup>Kr-78

Cross Section

0.000

To 262.7 %



Incident Energy (MeV)

<sup>36</sup>Kr-78

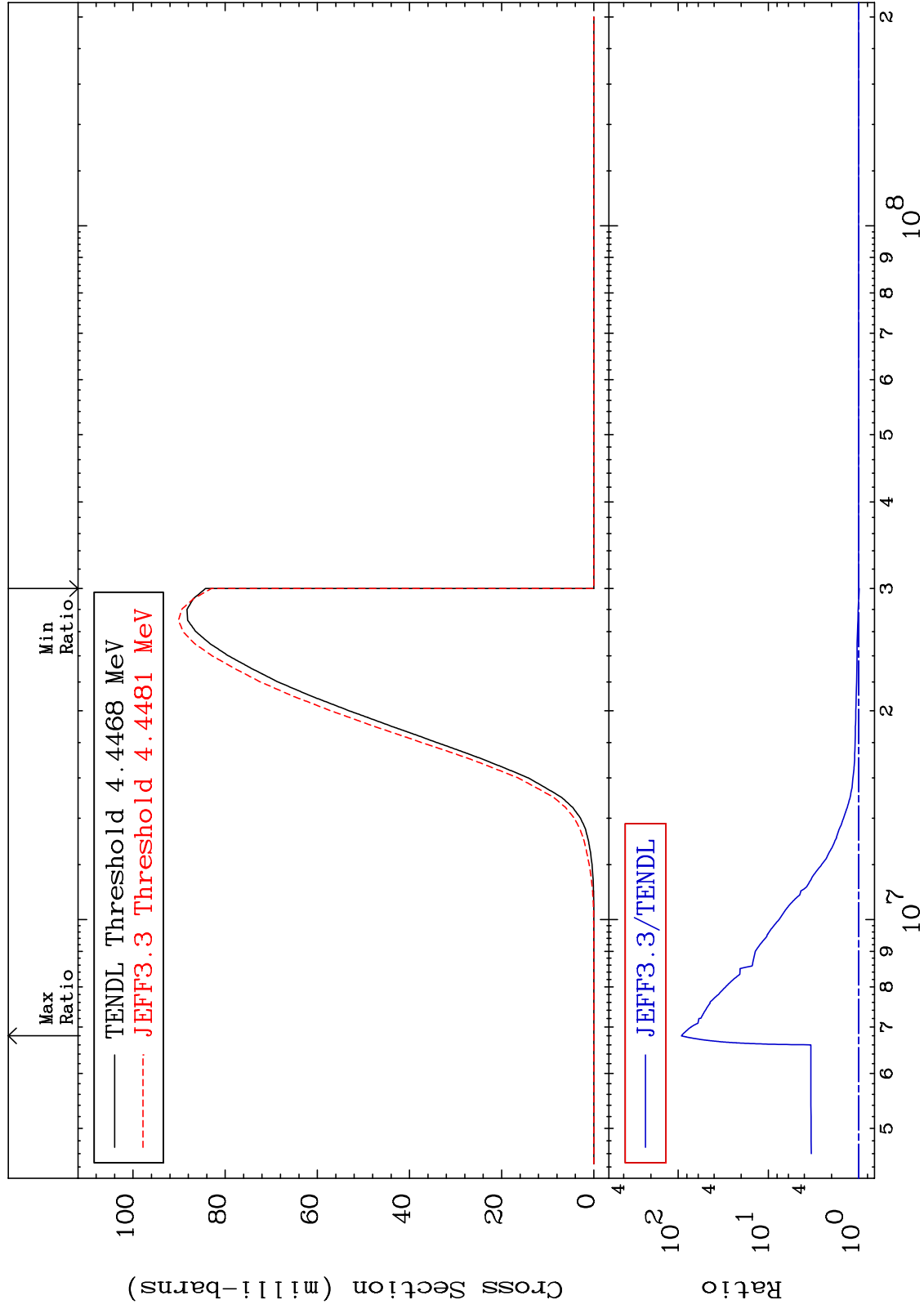
MAT 3625

$(n, n') \alpha$

$^{36}\text{Kr-78}$

Cross Section

-1.498 To 9176. %





MAT 3625

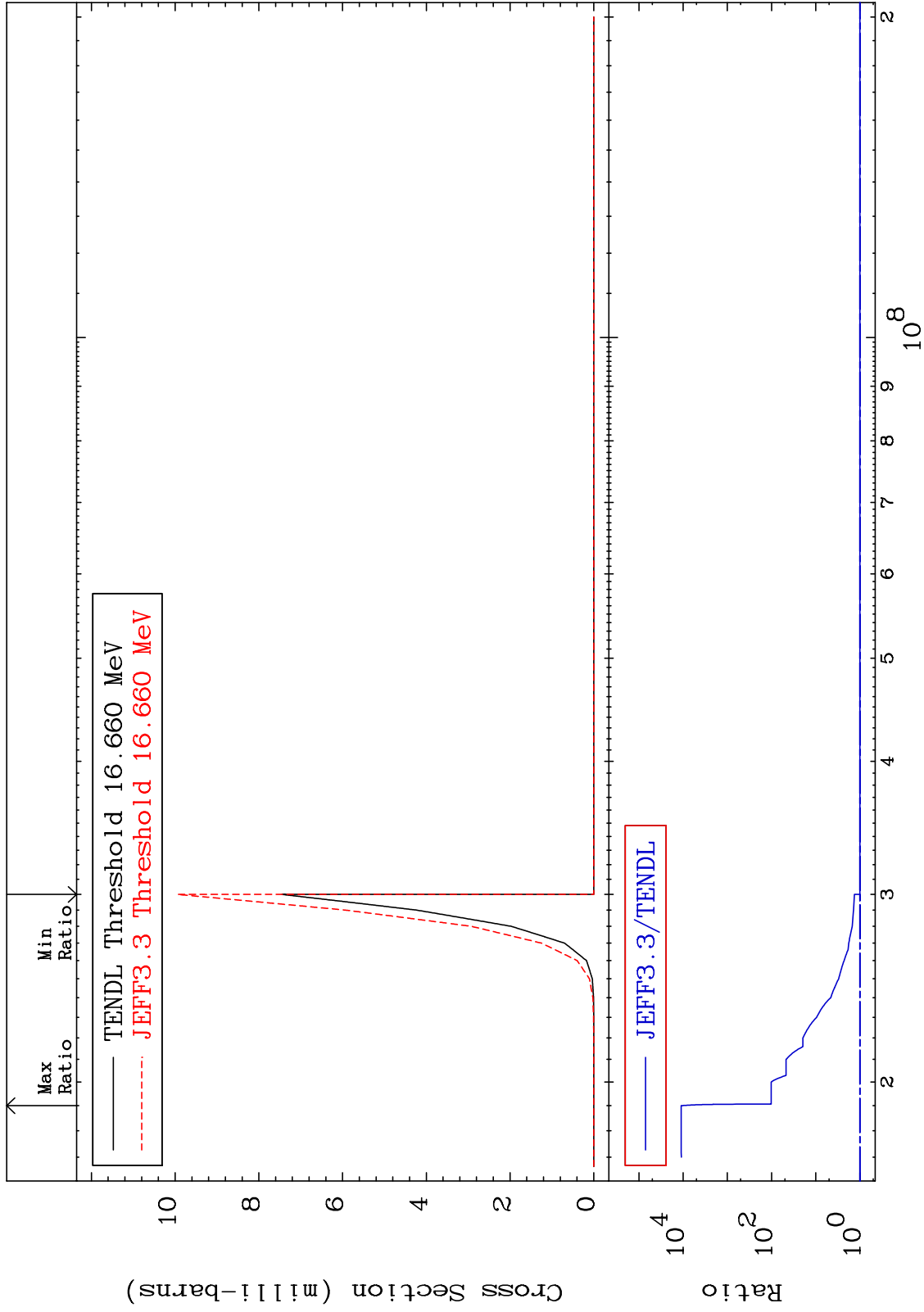
(n,2n)  $\alpha$

<sup>36</sup>Kr-78

Cross Section

0.000

To 9999. %



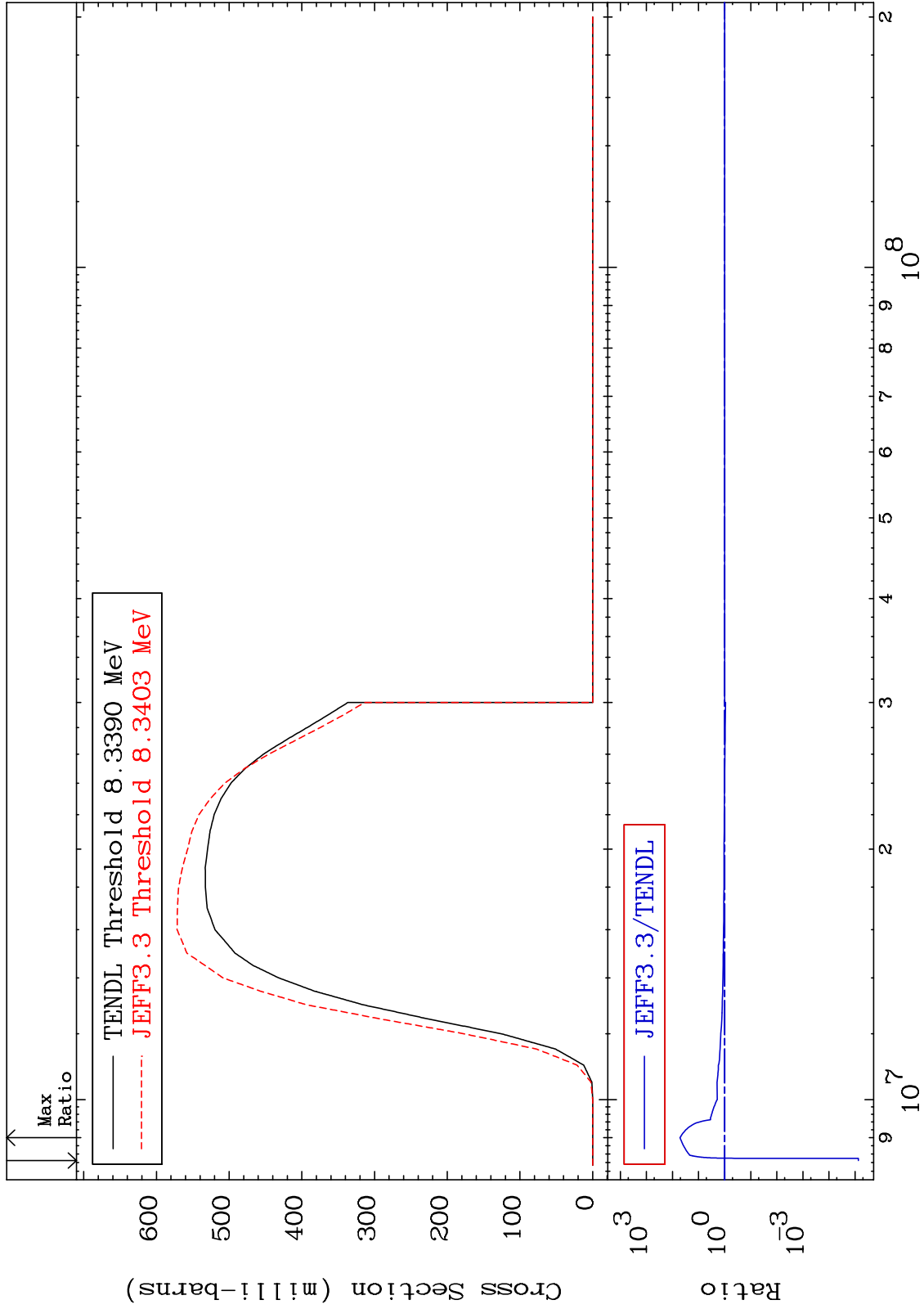
MAT 3625

(n,n') p

<sup>36</sup>Kr-78

Cross Section

-100.0 To 5051. %



9

Incident Energy (eV)

<sup>36</sup>Kr-78

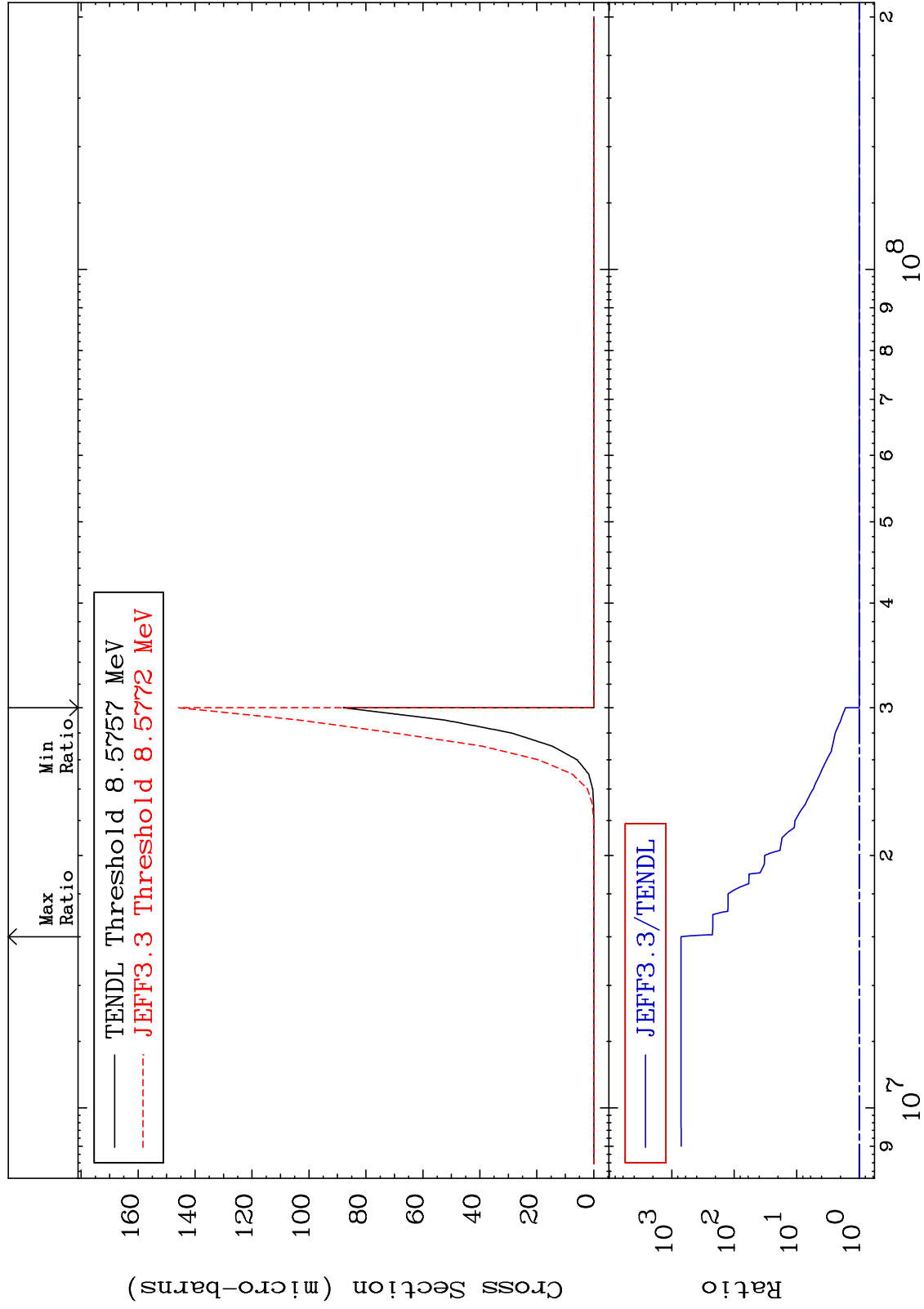
MAT 3625

(n,n')  $2\alpha$

$^{36}\text{Kr-78}$

Cross Section

0.000 To 9999. %



$^{36}\text{Kr-78}$

Incident Energy (eV)

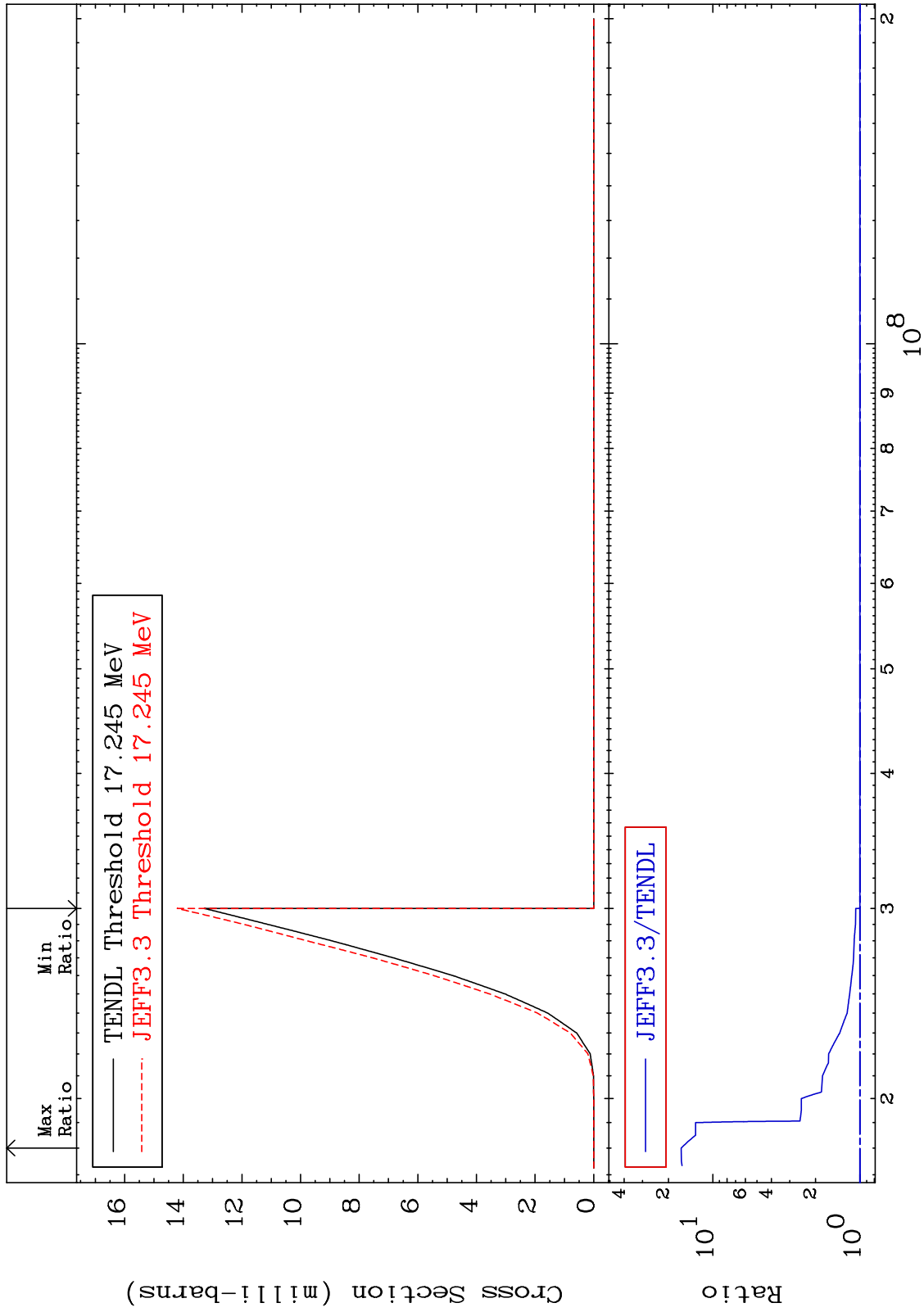
MAT 3625

(n,n') d

<sup>36</sup>Kr-78

Cross Section

0.000 To 1537. %



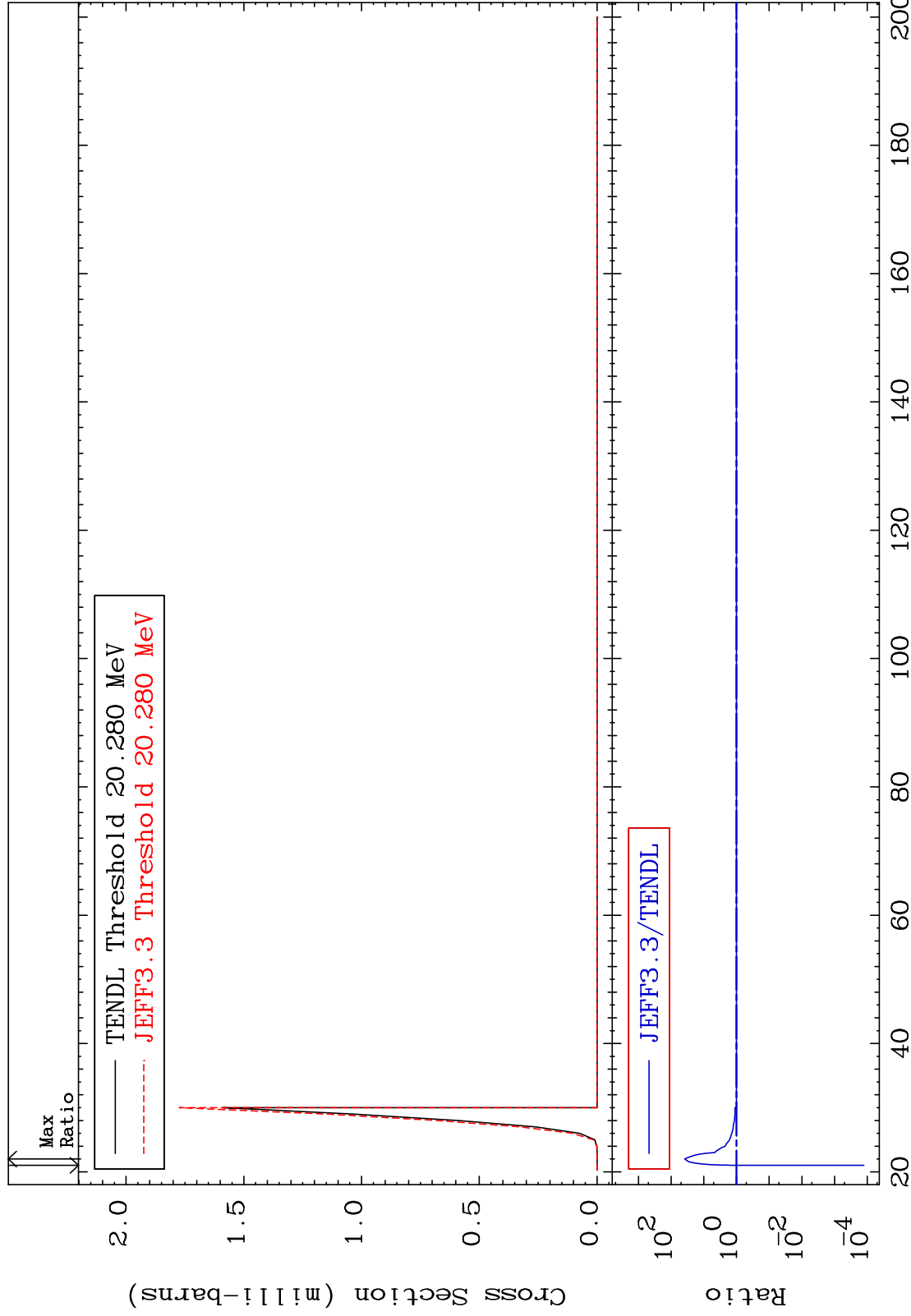
MAT 3625

(n,n') t

<sup>36</sup>Kr-78

Cross Section

-99.99 To 3713. %



<sup>36</sup>Kr-78

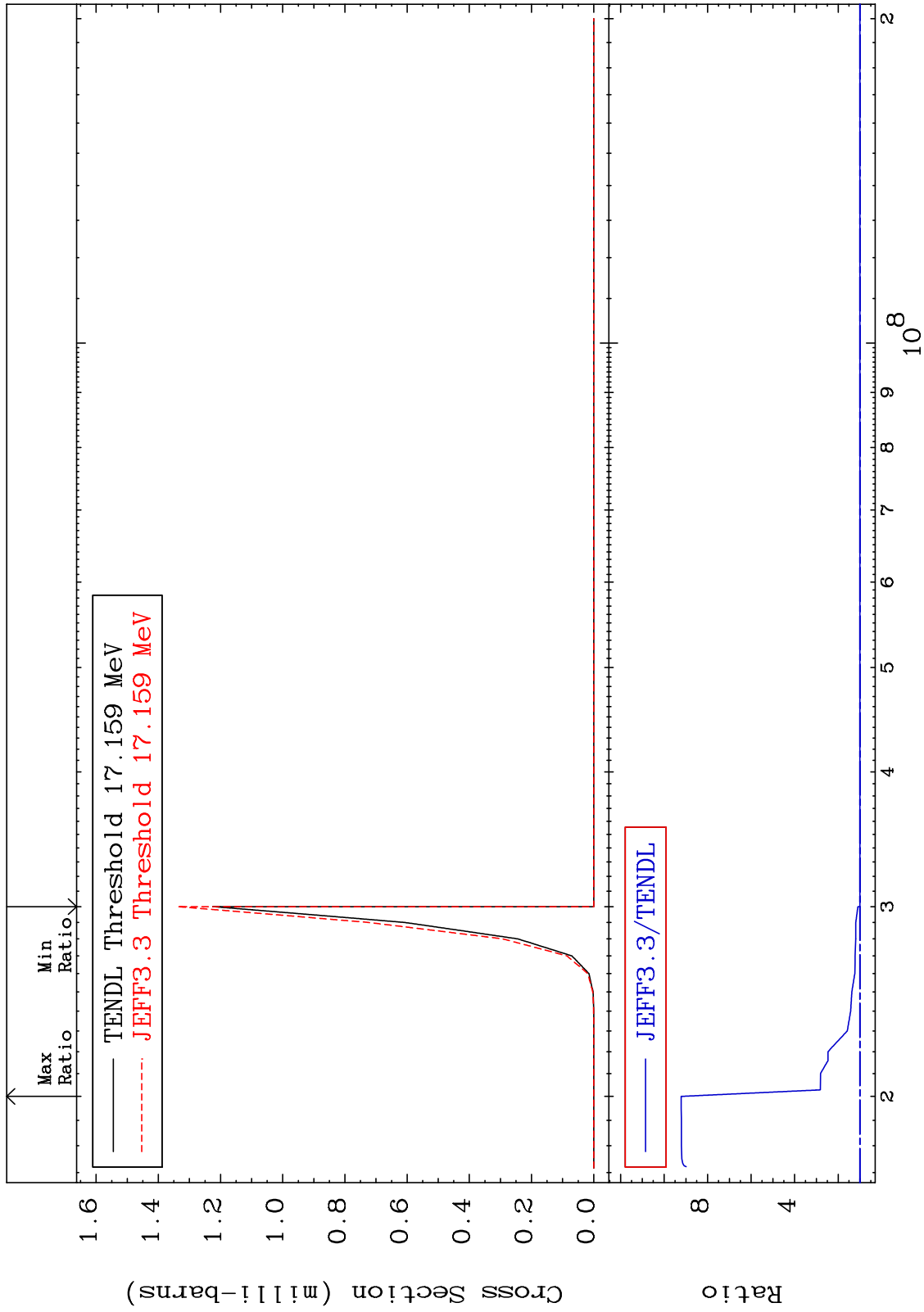
Incident Energy (MeV)

12

MAT 3625

(n, n') He-3  
Cross Section

36-Kr-78  
0.000 To 821.4 %



MAT 3625

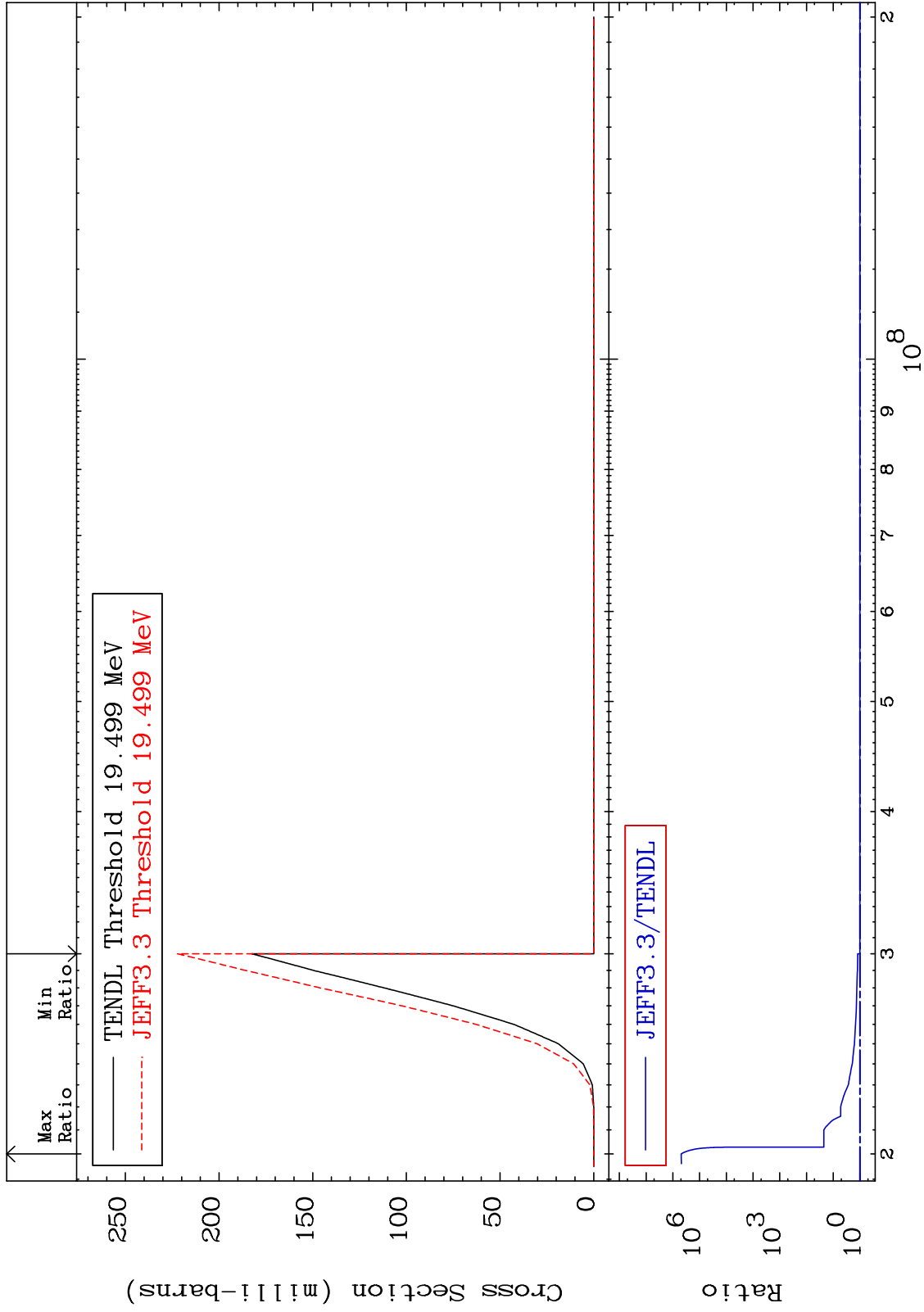
(n,2n) p

<sup>36</sup>Kr-78

Cross Section

0.000

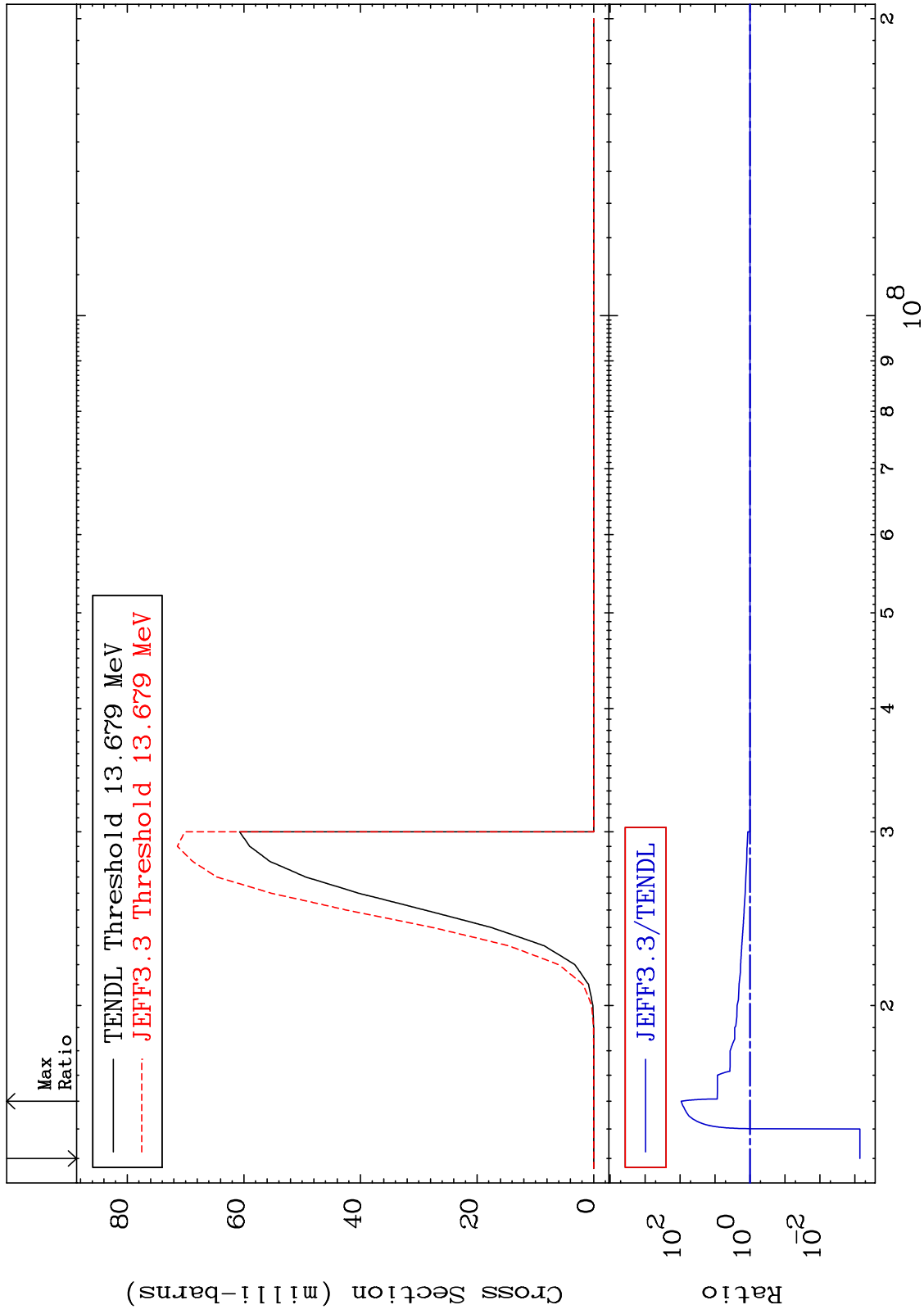
To 9999. %



MAT 3625

(n,2n) p  
Cross Section

<sup>36</sup>Kr-78  
-99.93 To 9159. %

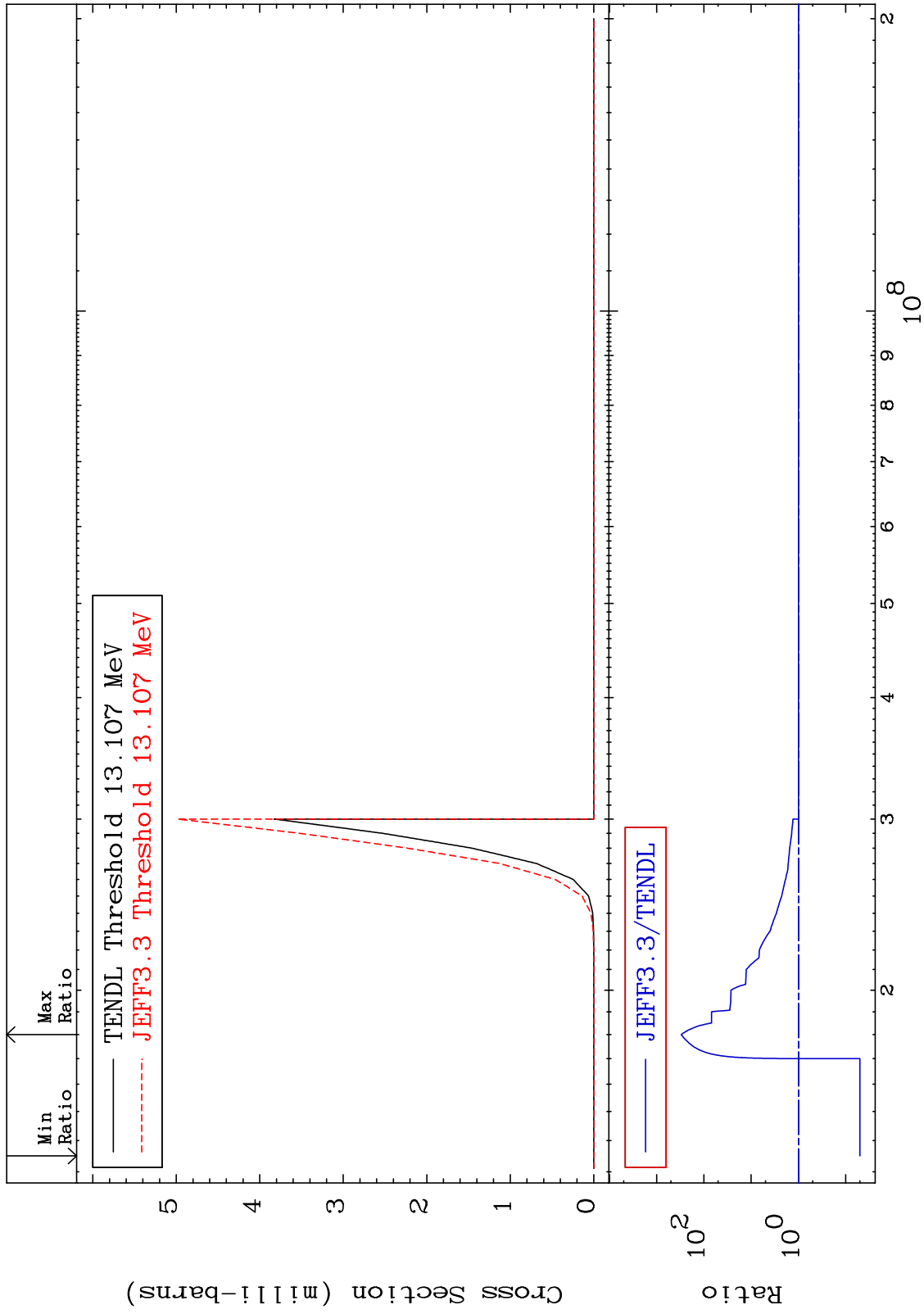




MAT 3625

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

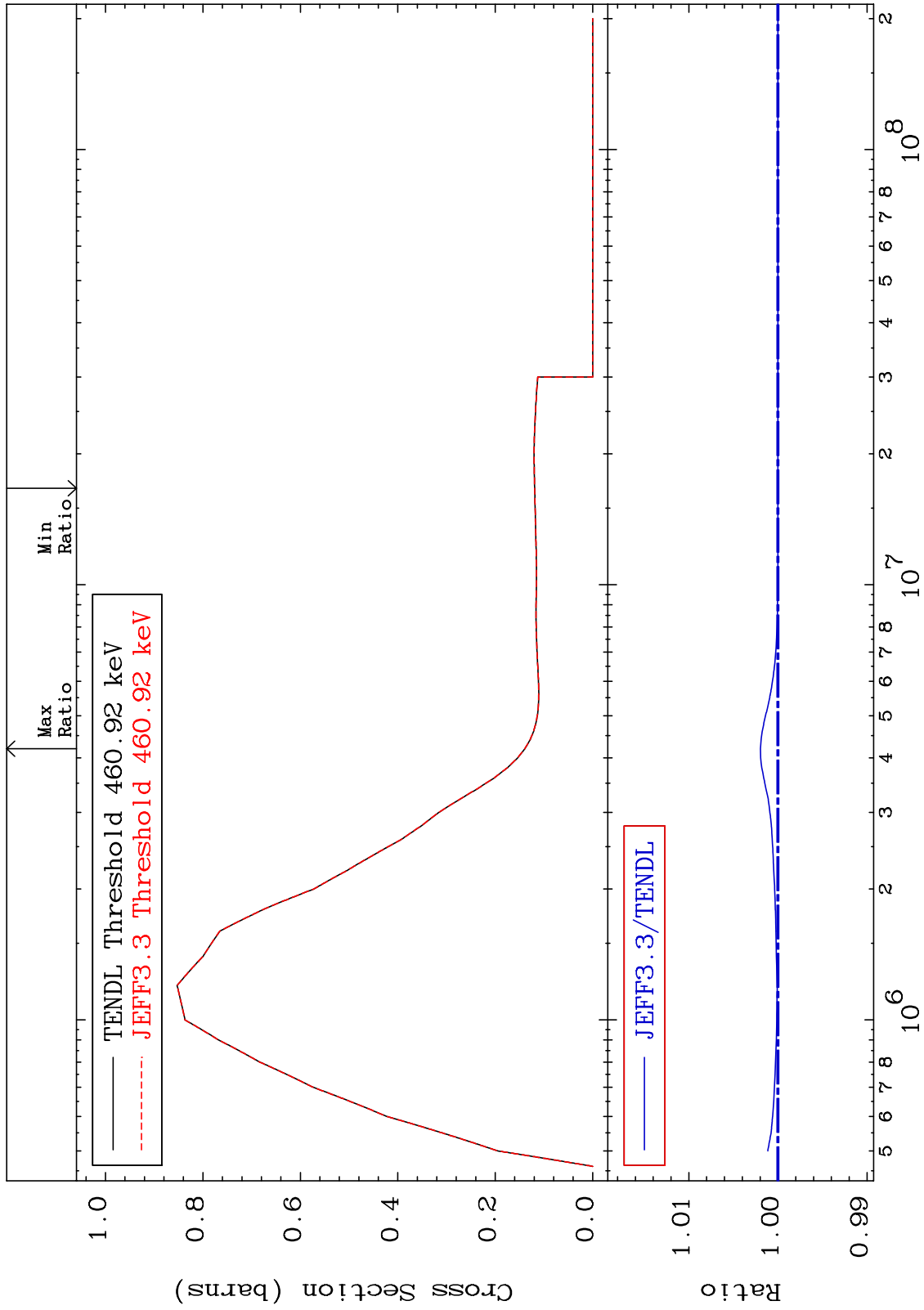
36-Kr-78  
-95.00 To 9999. %



MAT 3625

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

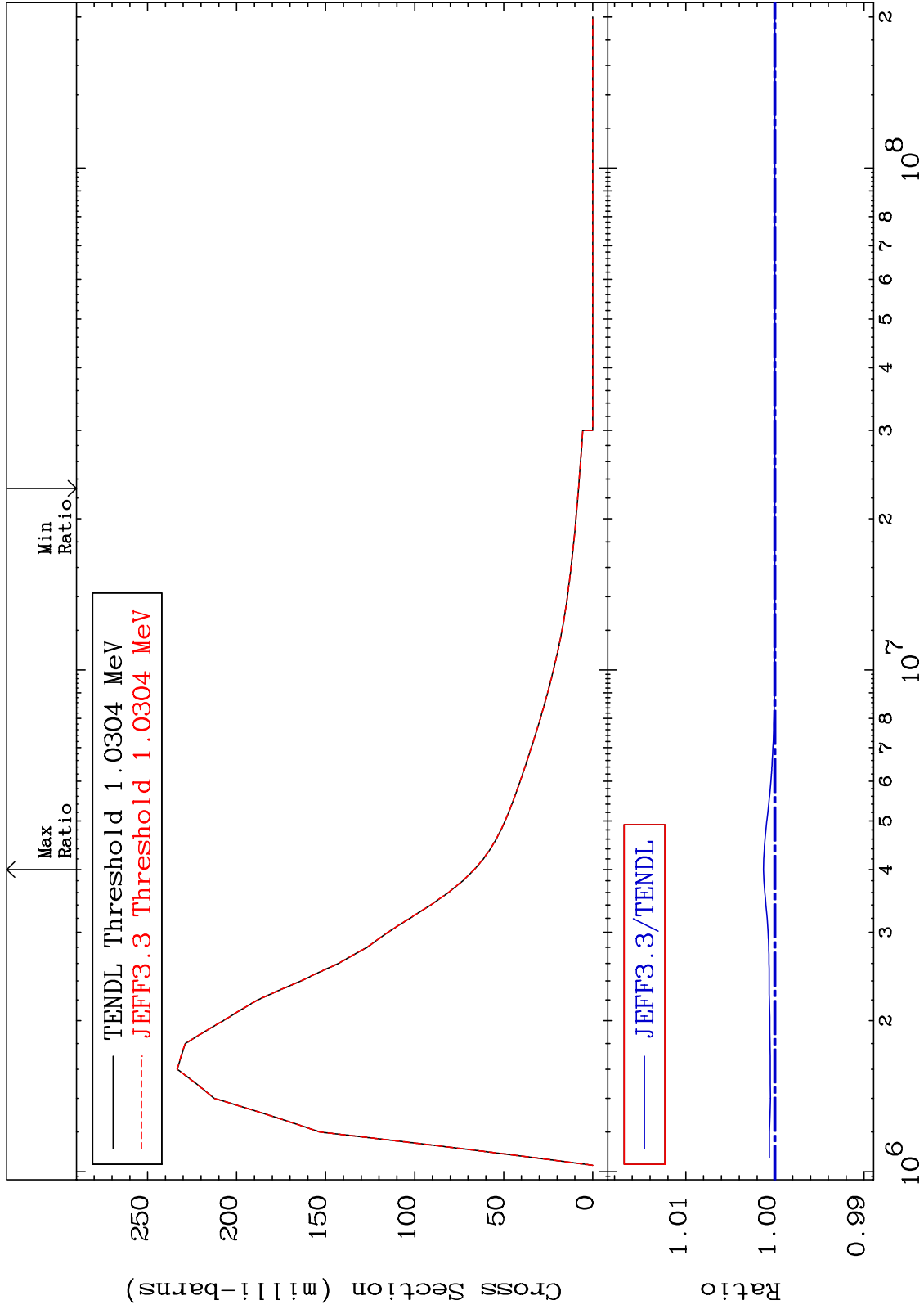
0.000 To 0.196 %  
36-Kr-78



MAT 3625

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

0.000 To 0.127 %  
36-Kr-78



18

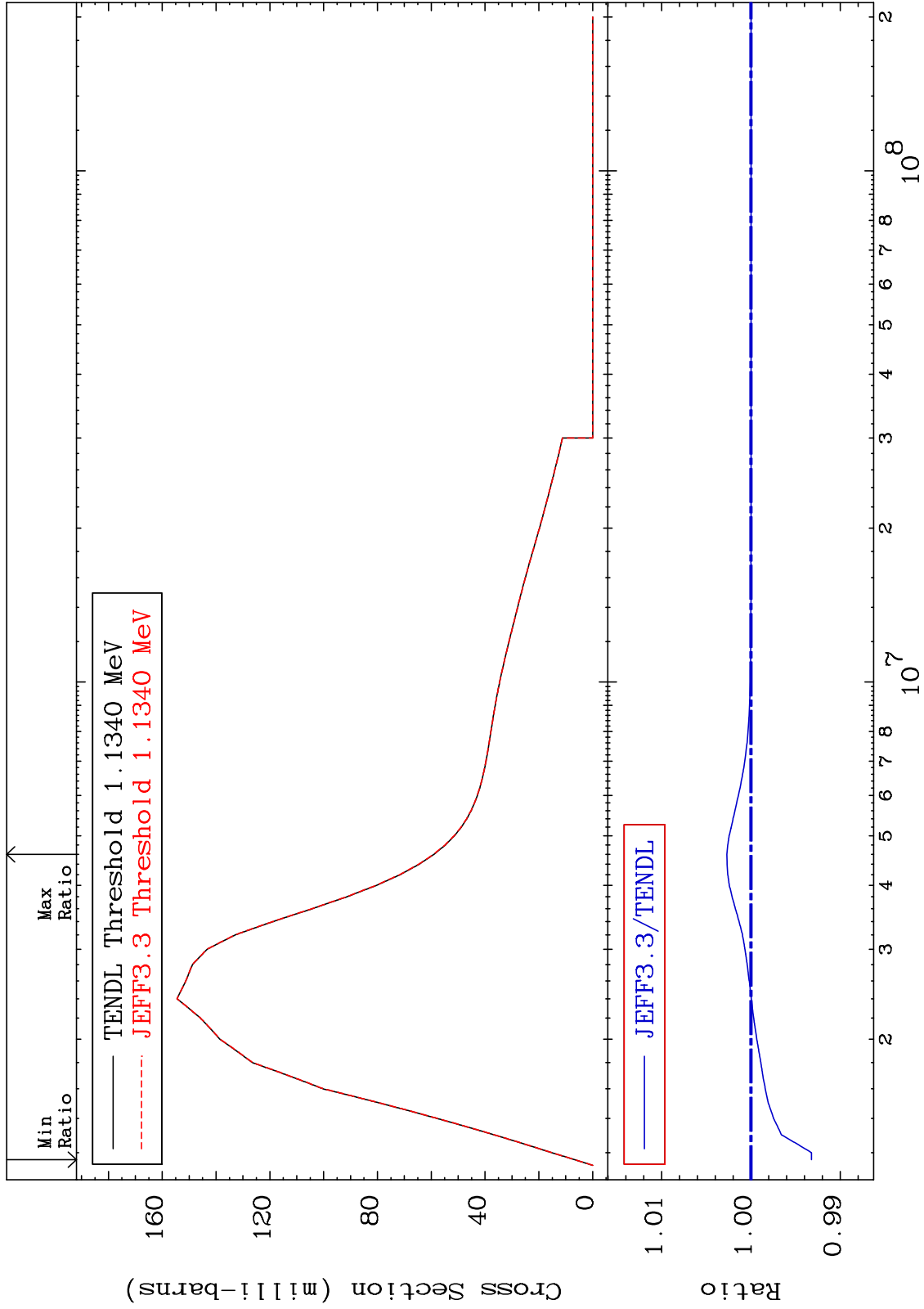
Incident Energy (eV)

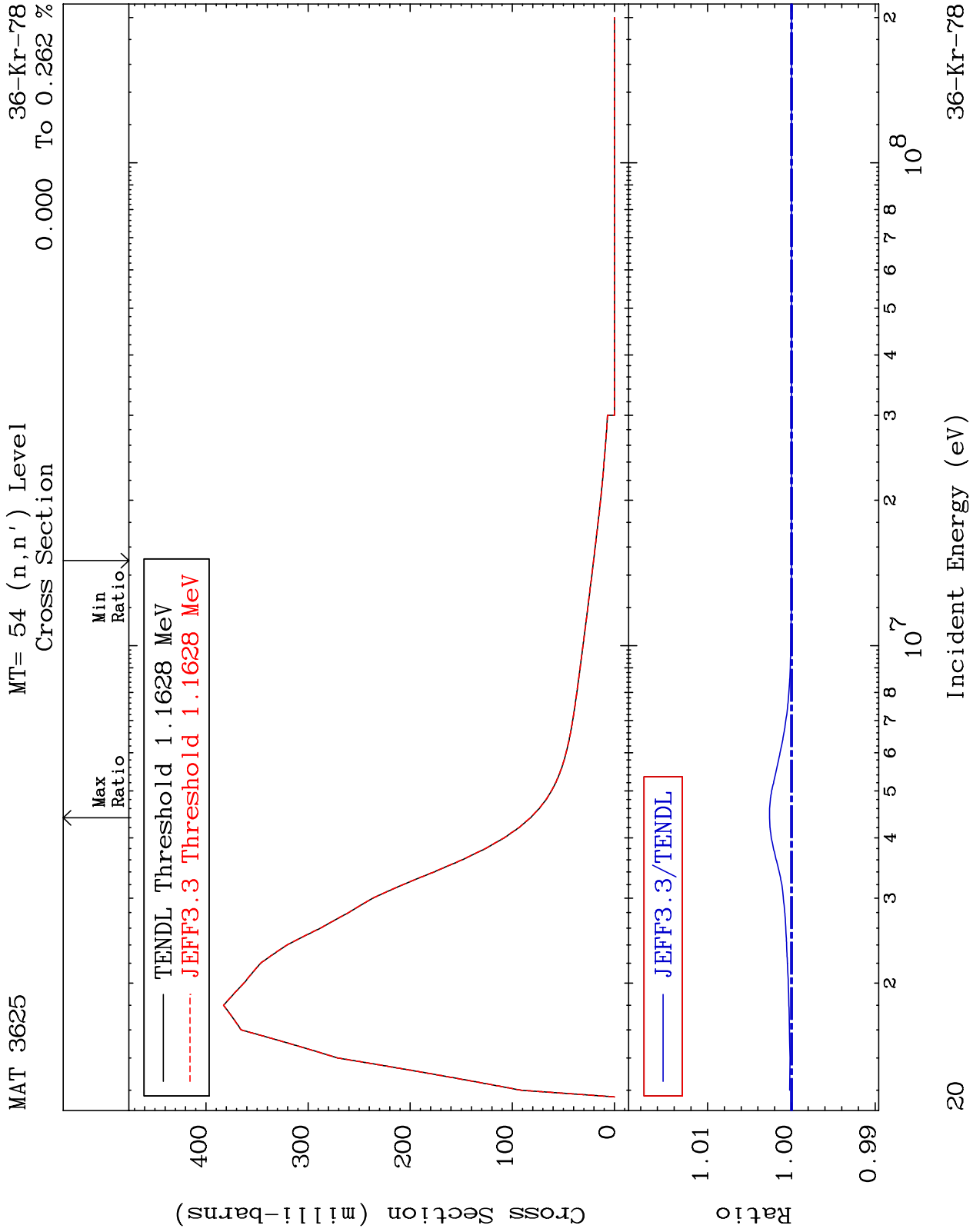
36-Kr-78

MAT 3625

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

36-Kr-78  
-0.677 To 0.268 %

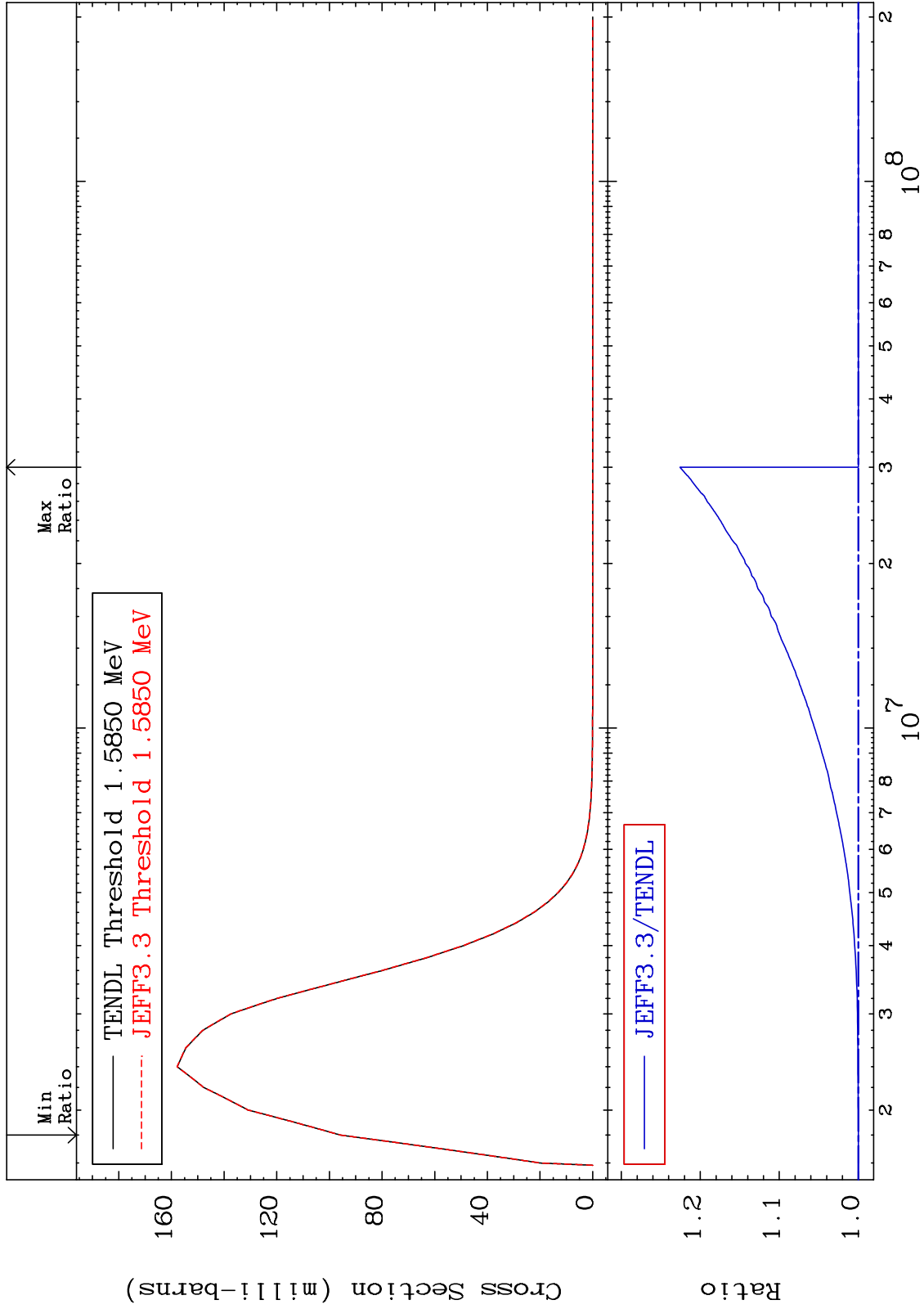




MAT 3625

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

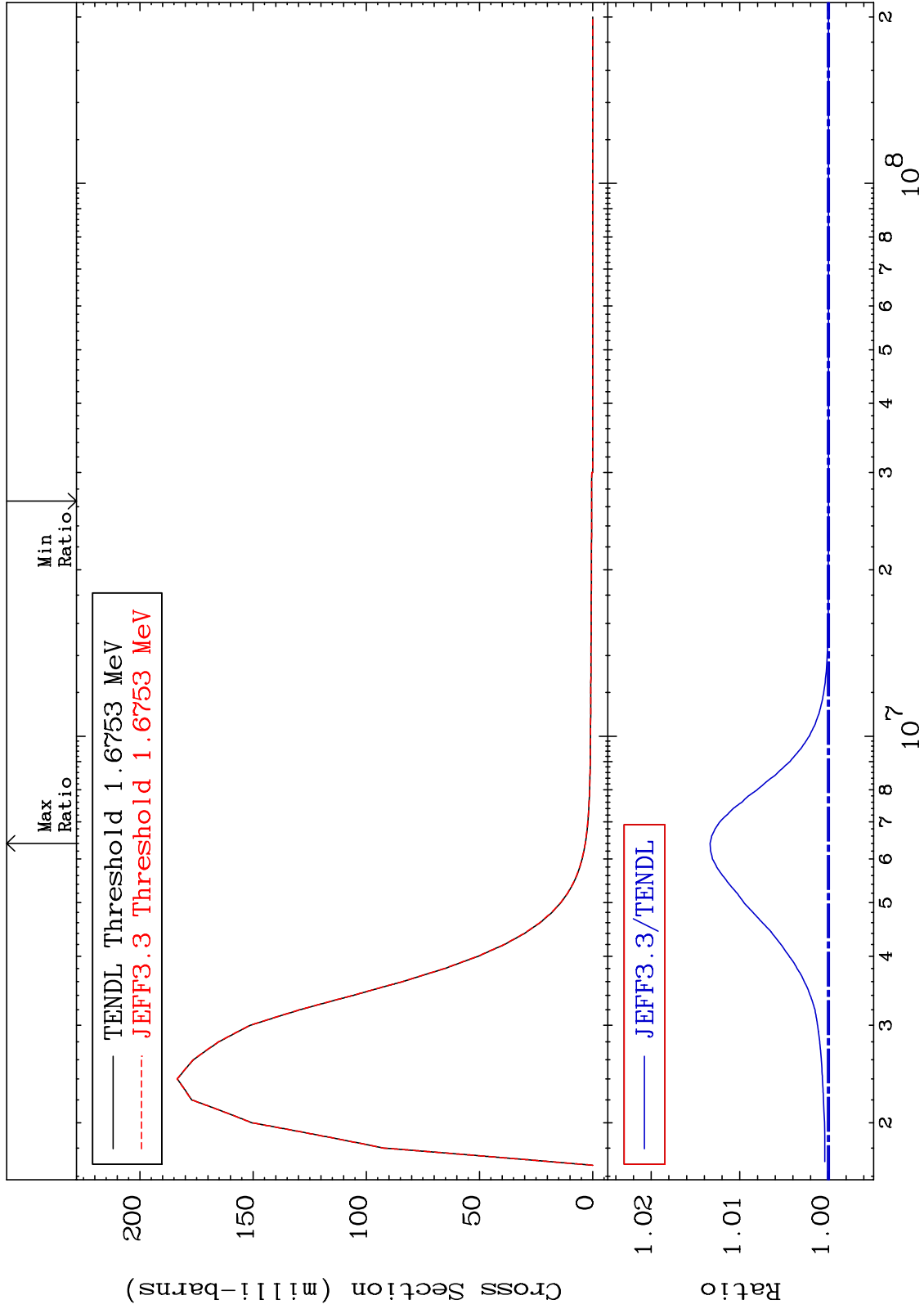
36-Kr-78  
-0.018 To 22.57 %



MAT 3625

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

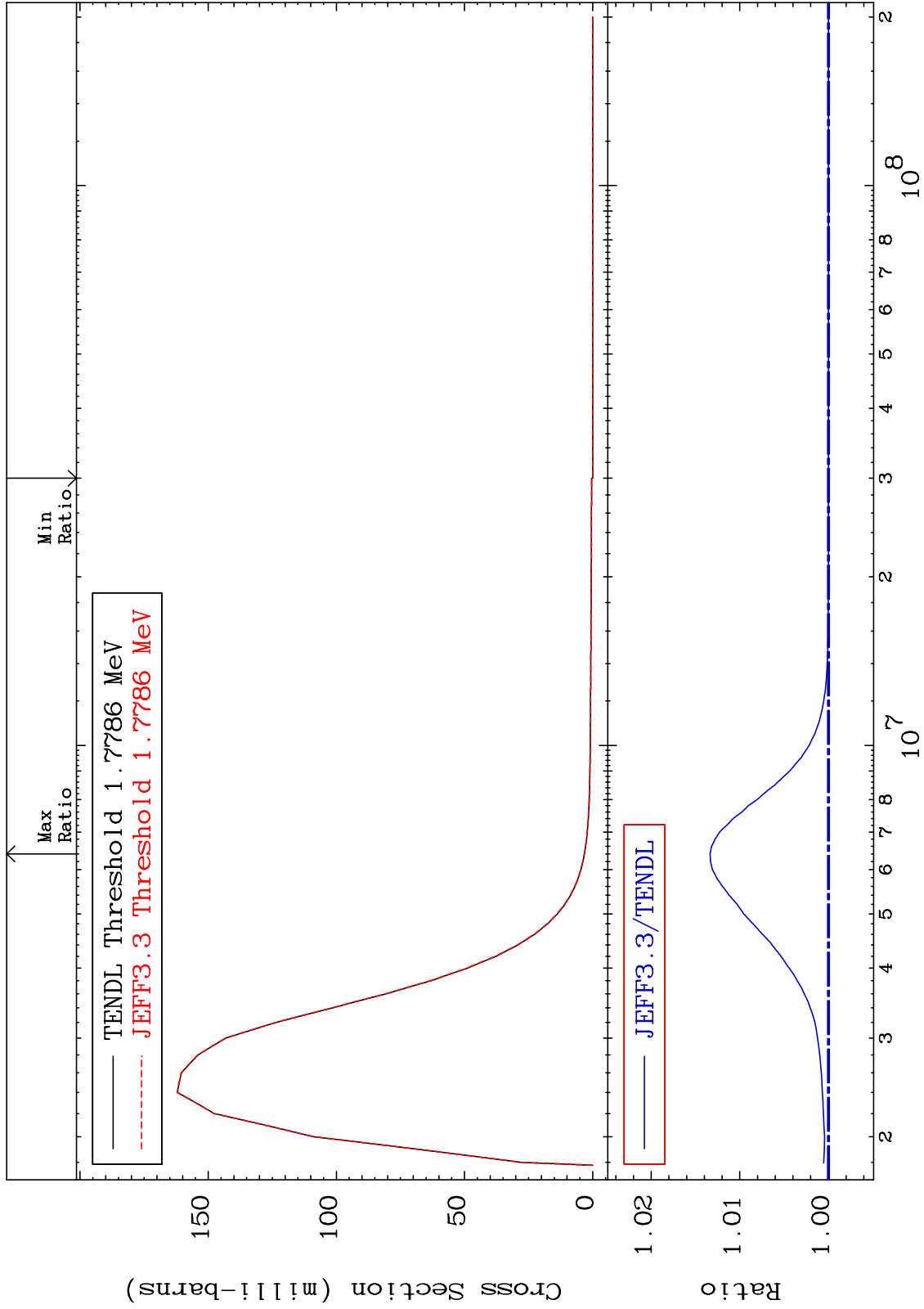
36-Kr-78  
0.000 To 1.336 %



MAT 3625

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

36-Kr-78  
0.000 To 1.336 %

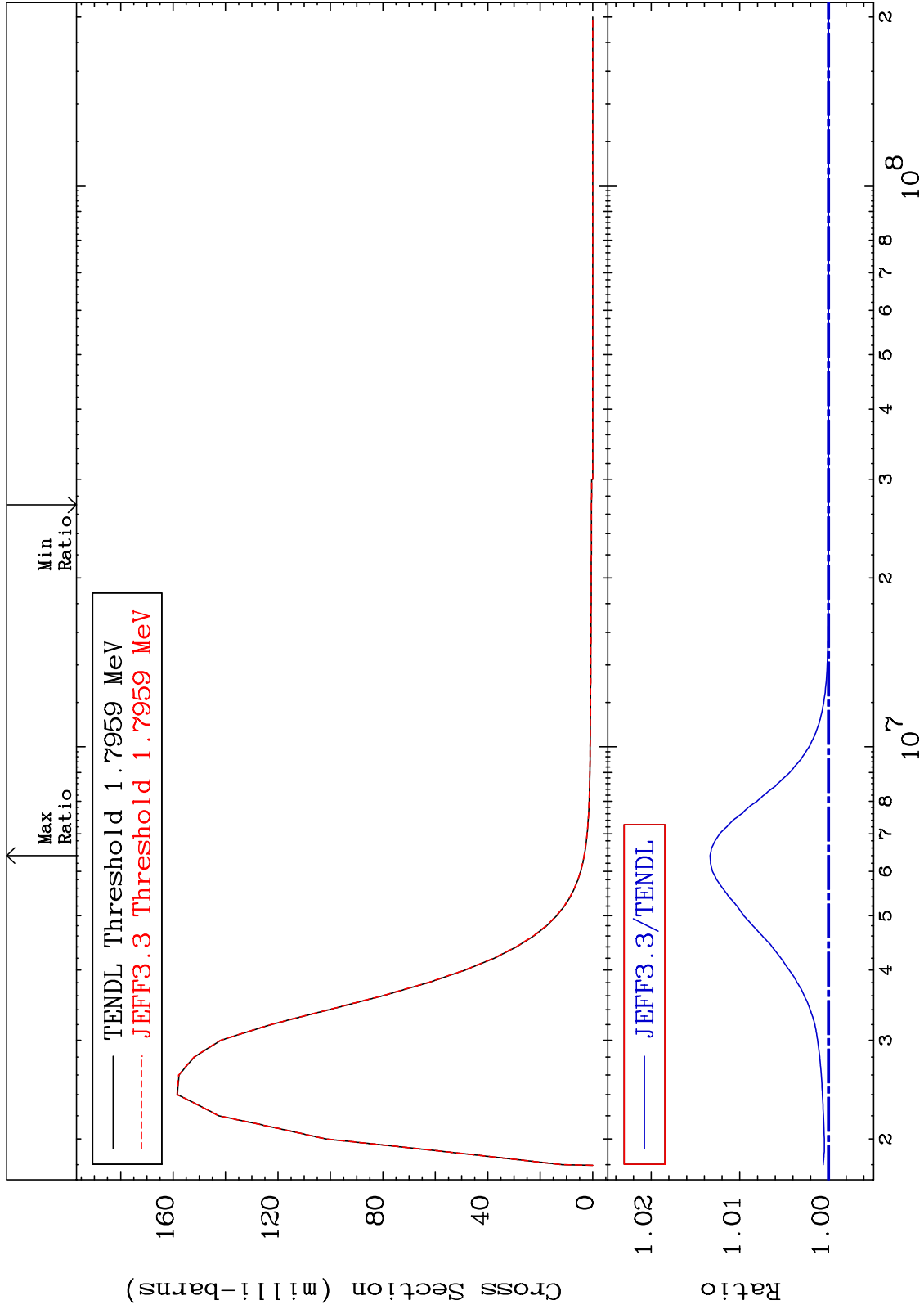




MAT 3625

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

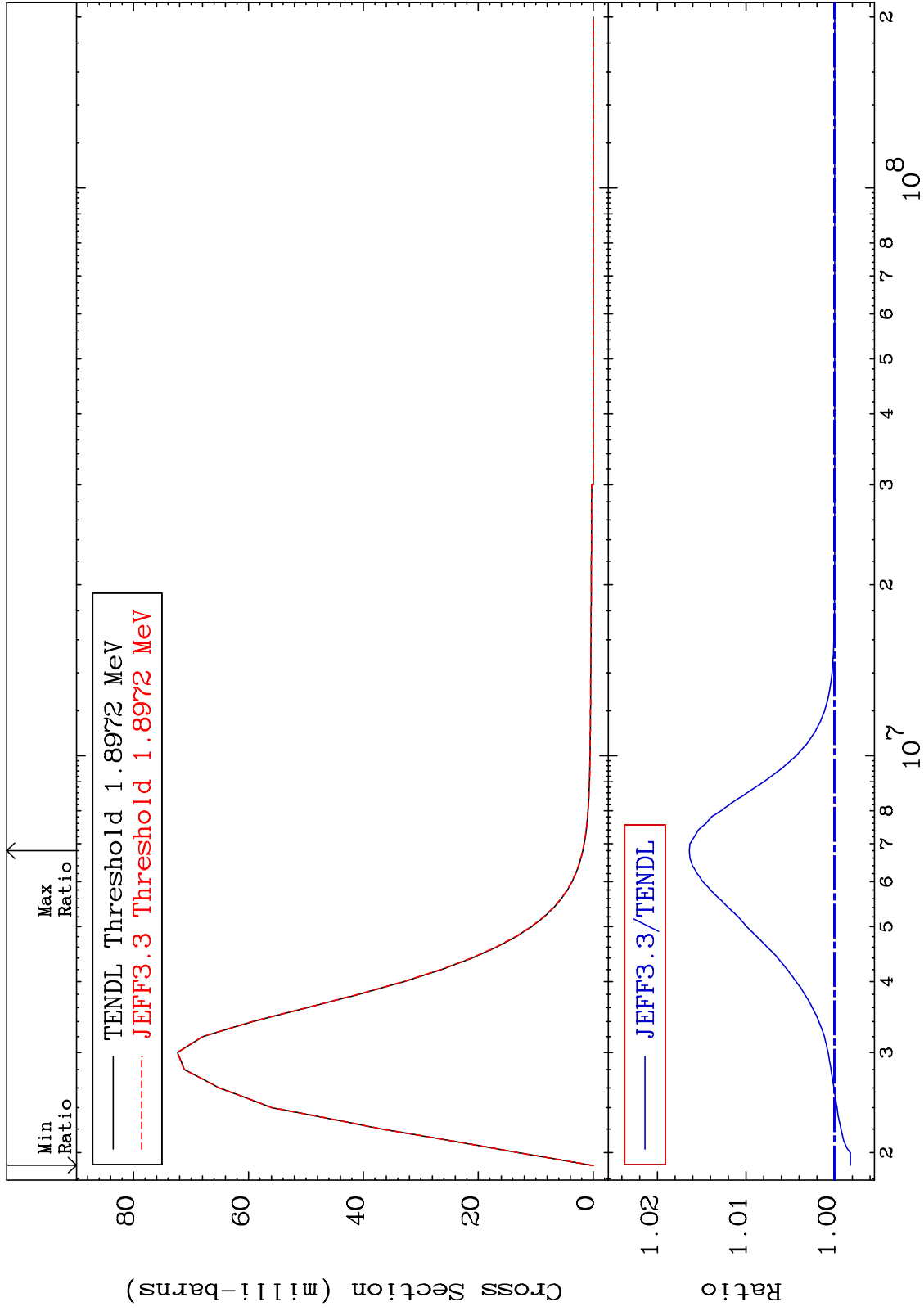
0.000 To 1.336 %  
36-Kr-78



MAT 3625

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

36-Kr-78  
-0.179 To 1.640 %



25

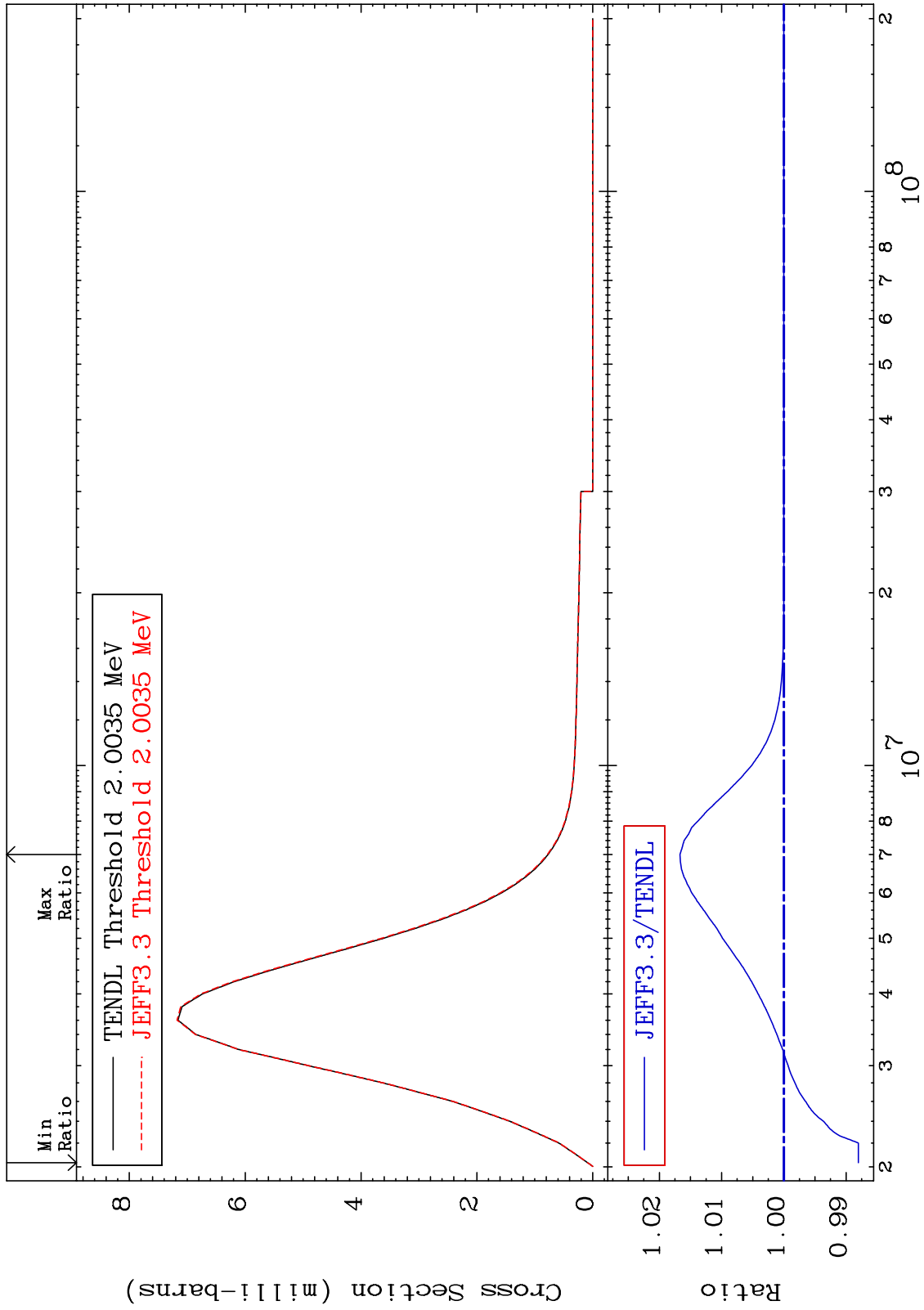
Incident Energy (eV)

36-Kr-78

MAT 3625

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

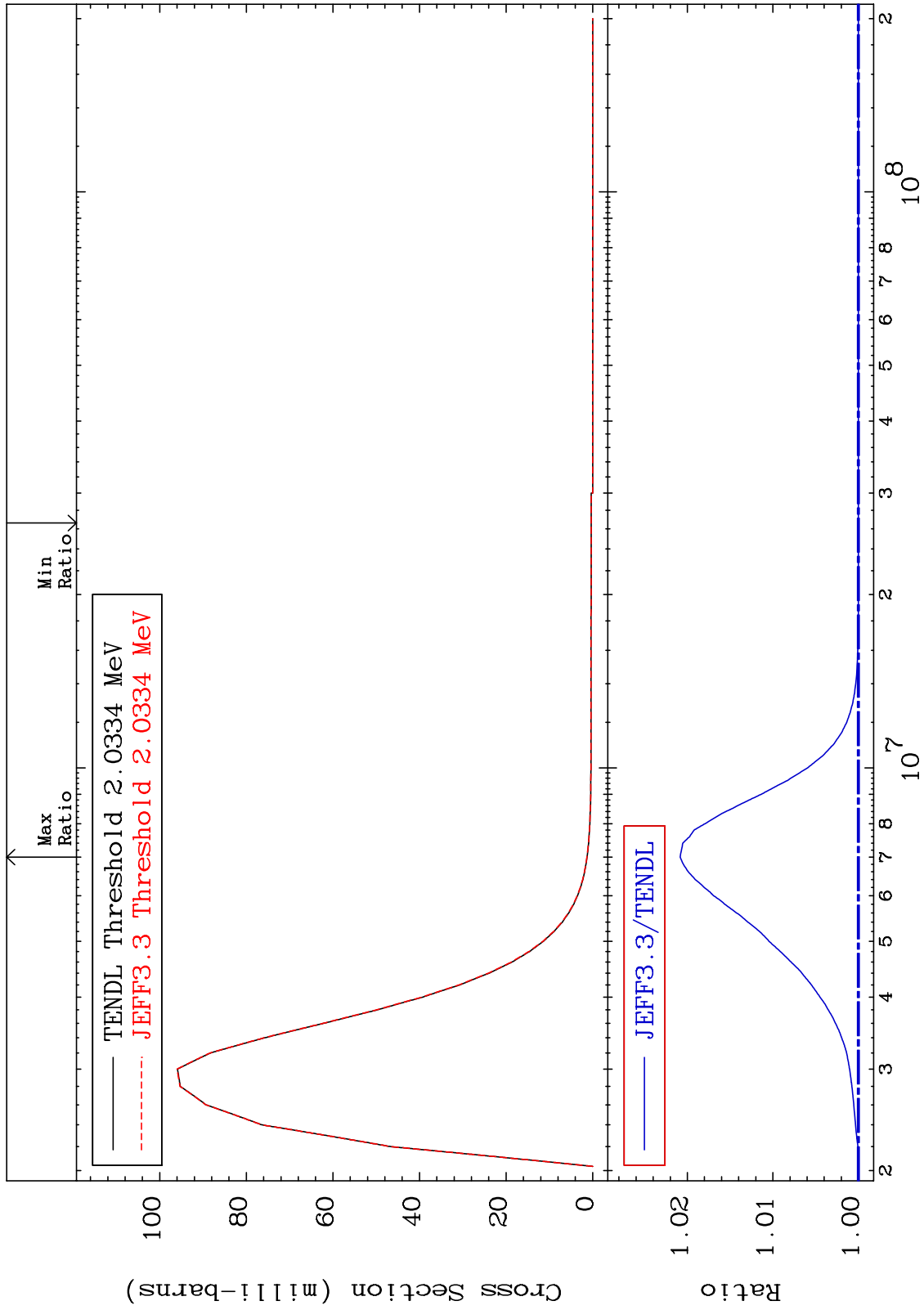
36-Kr-78  
-1.198 To 1.668 %



MAT 3625

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

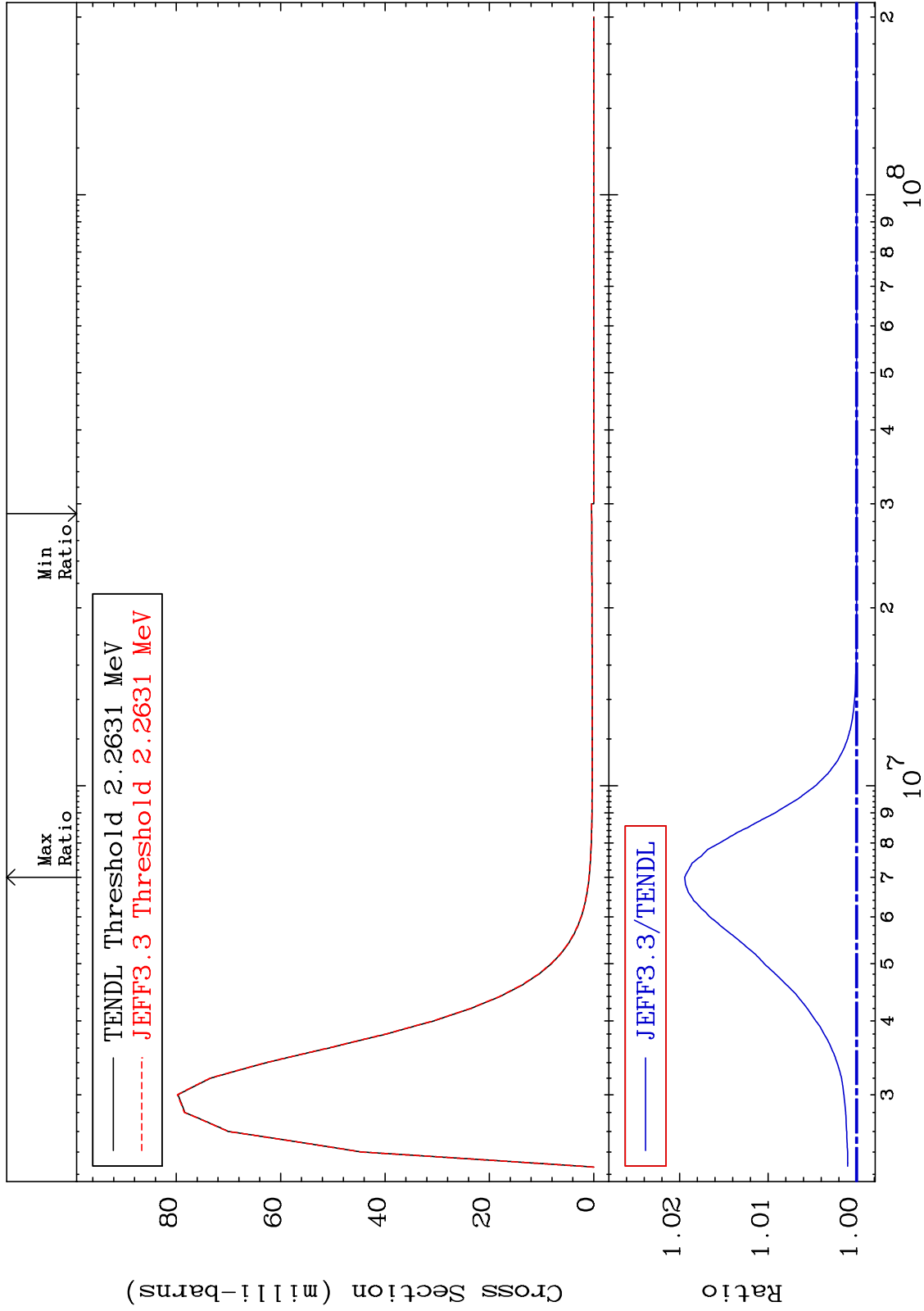
0.000 To 2.086 %  
36-Kr-78



MAT 3625

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

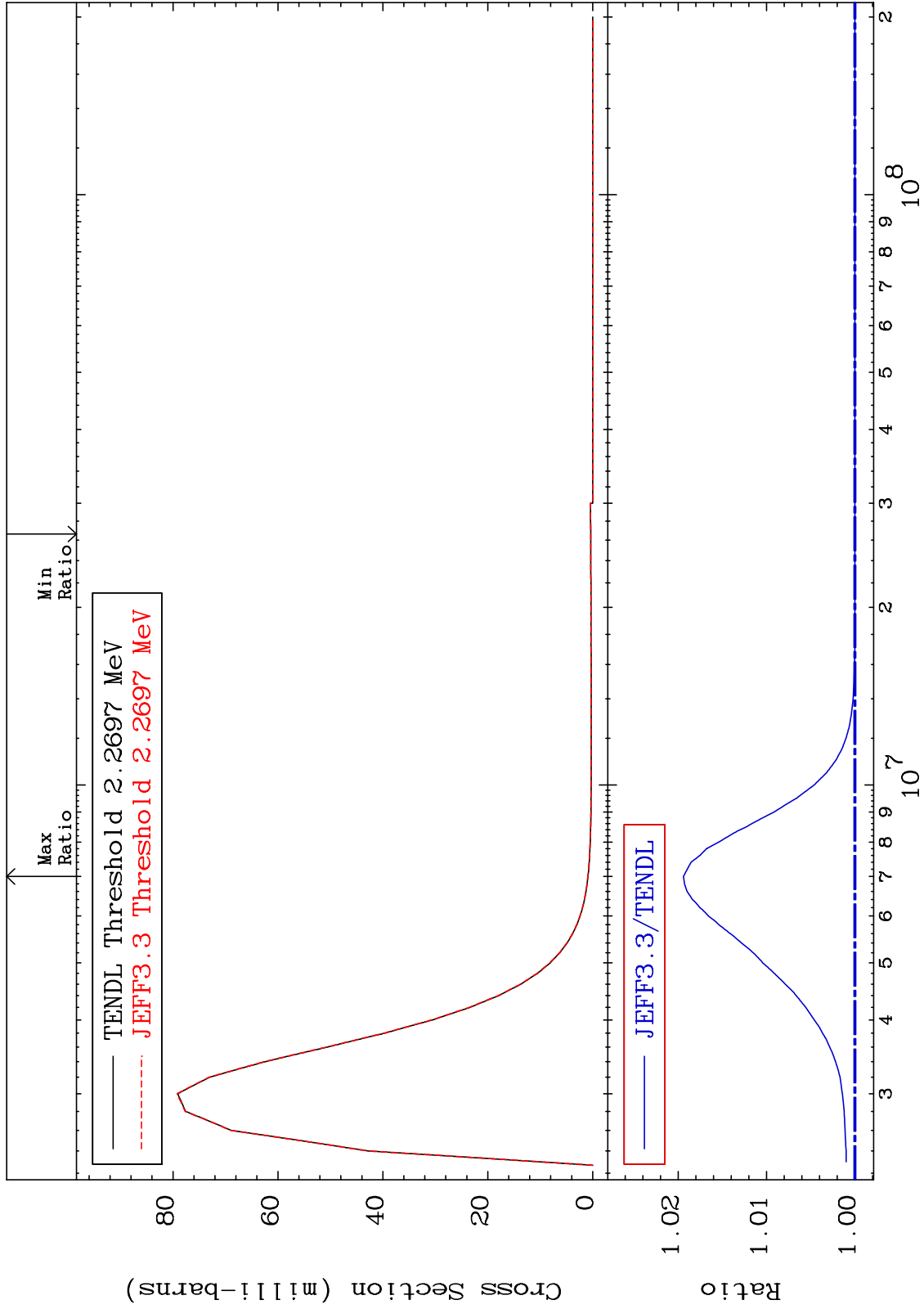
0.000 To 1.942 %  
36-Kr-78



MAT 3625

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

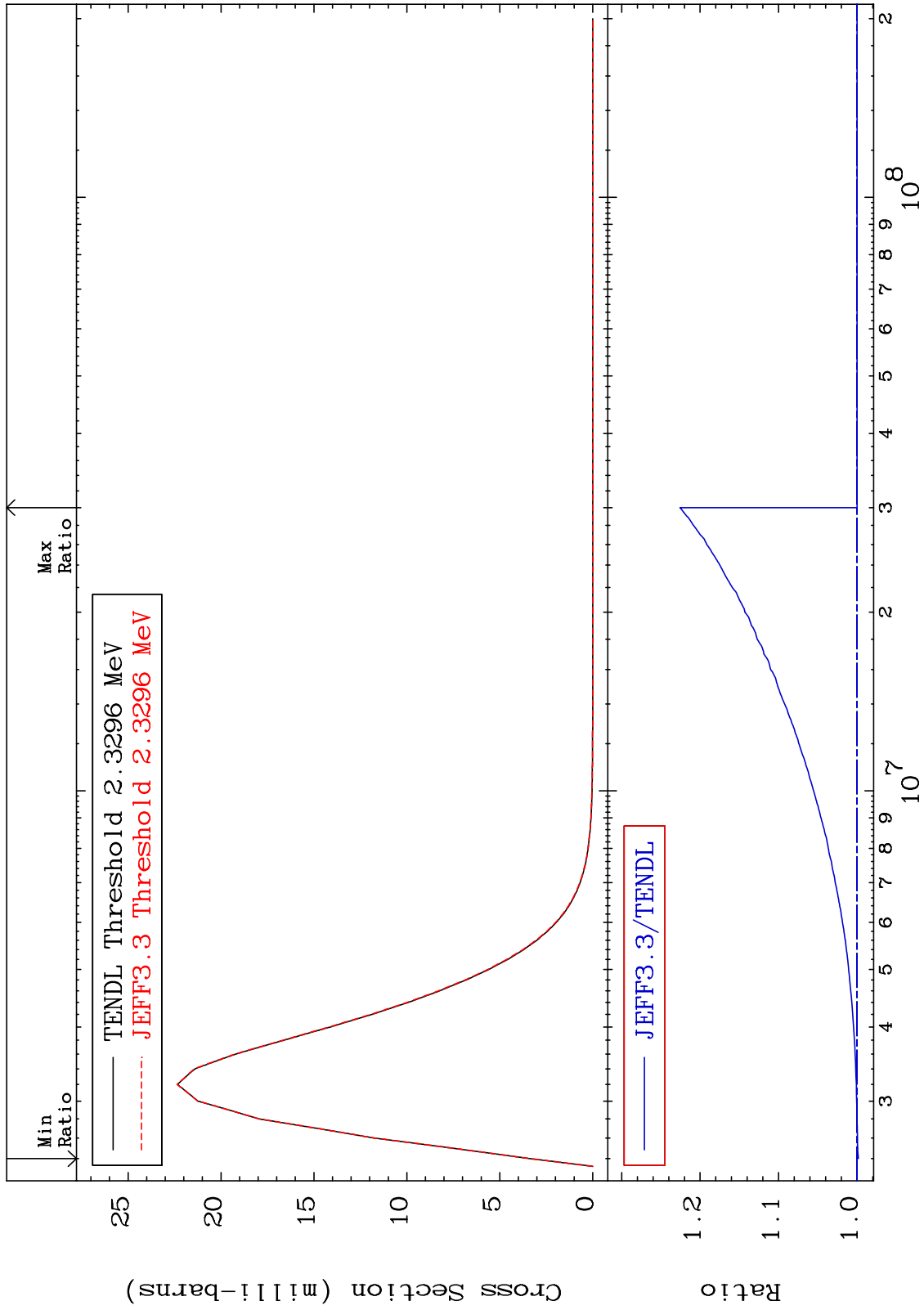
0.000 To 1.942 %  
36-Kr-78



MAT 3625

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

36-Kr-78  
-0.183 To 22.56 %



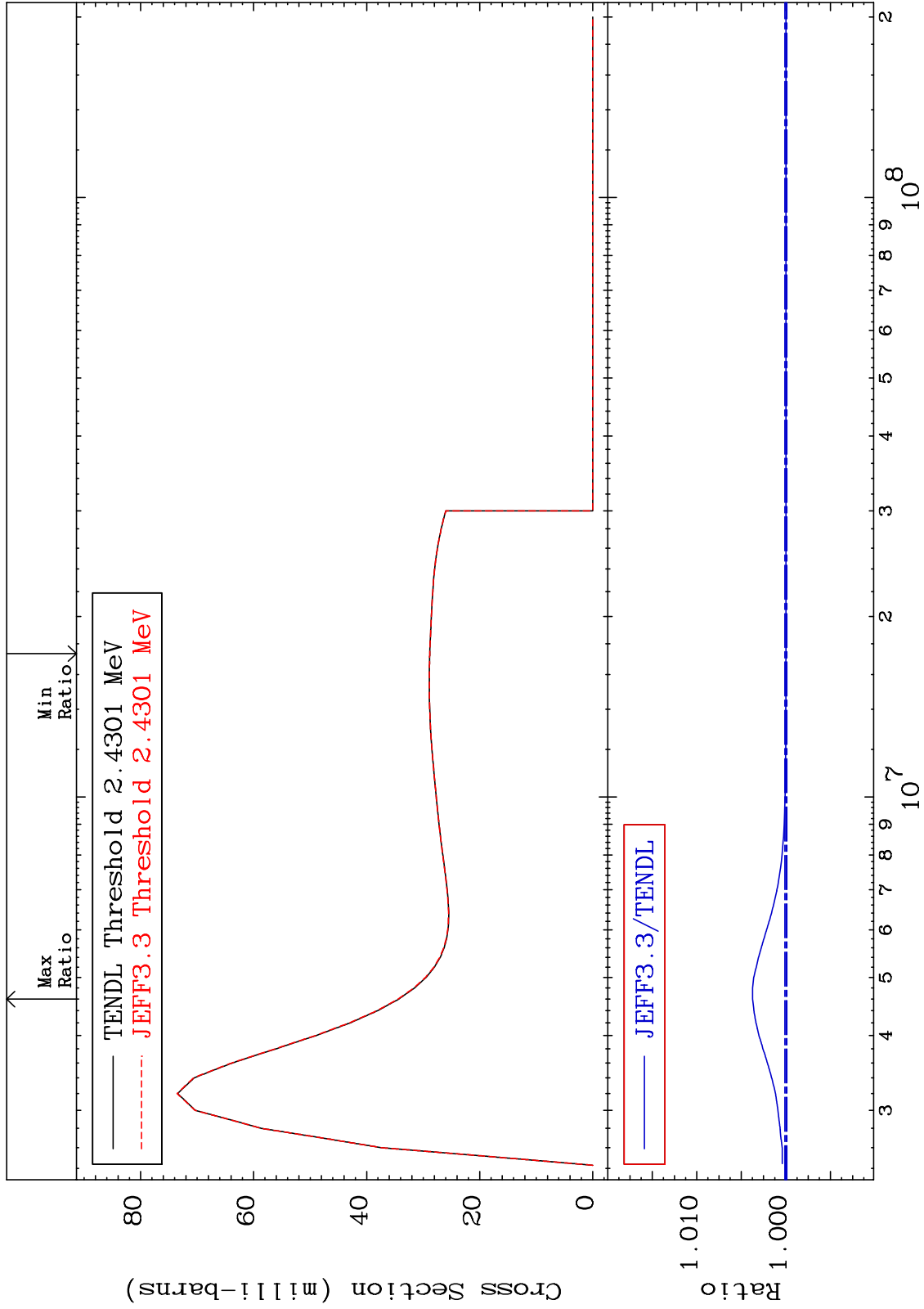
30

36-Kr-78

MAT 3625

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

0.000 To 0.374 %  
36-Kr-78

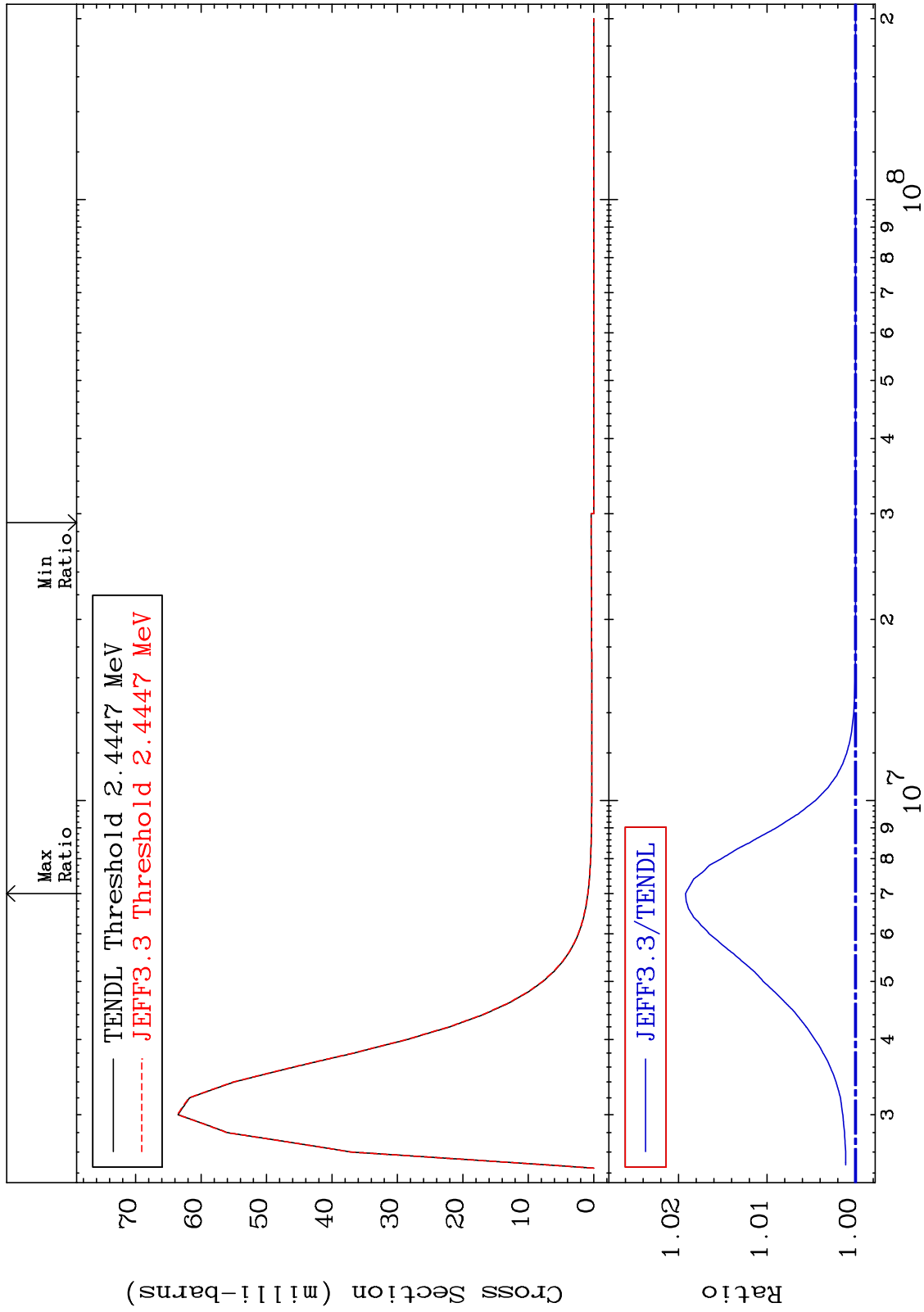




MAT 3625

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

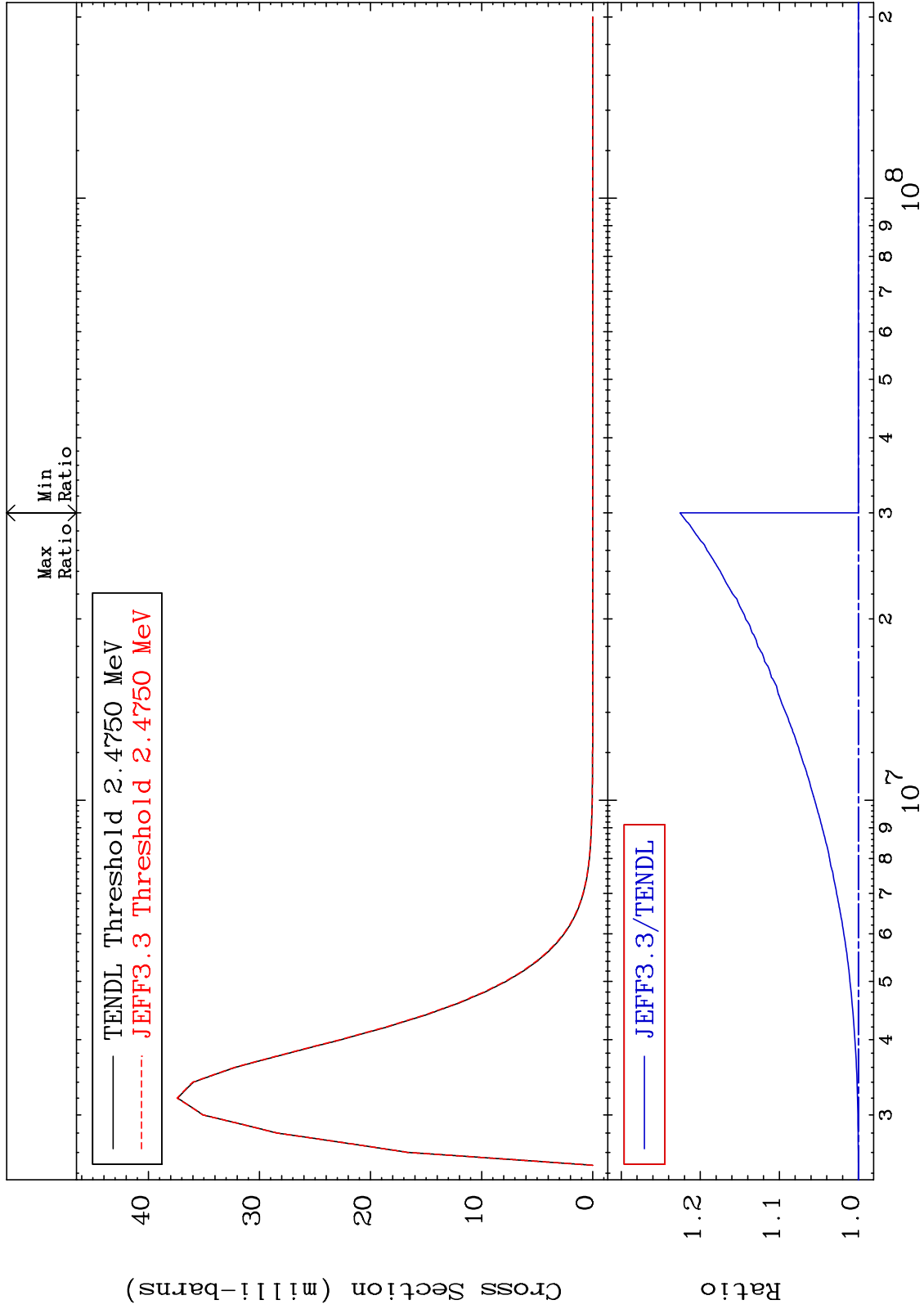
0.000 To 1.921 %  
36-Kr-78



MAT 3625

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

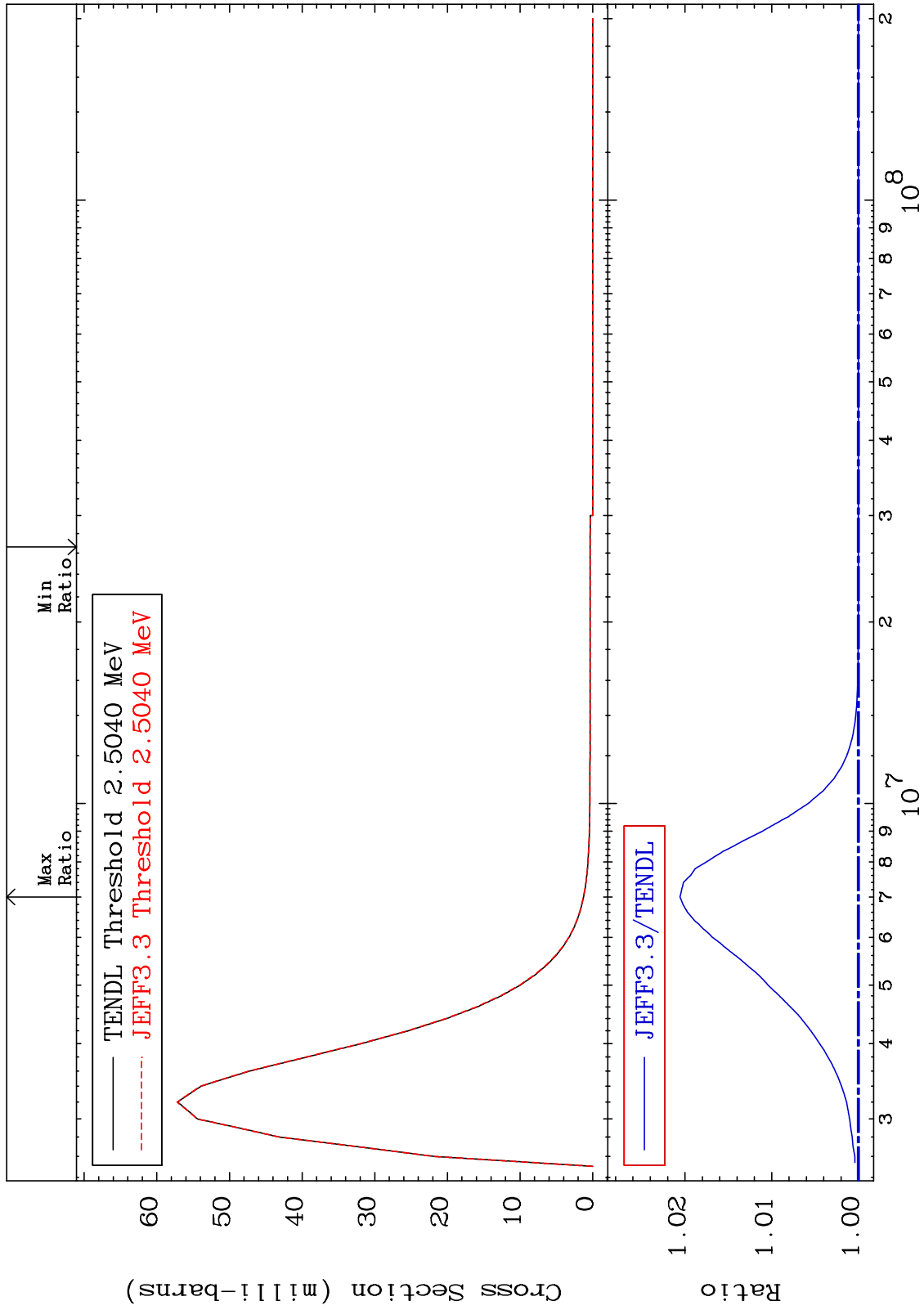
0.000 To 22.57 %  
36-Kr-78



MAT 3625

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

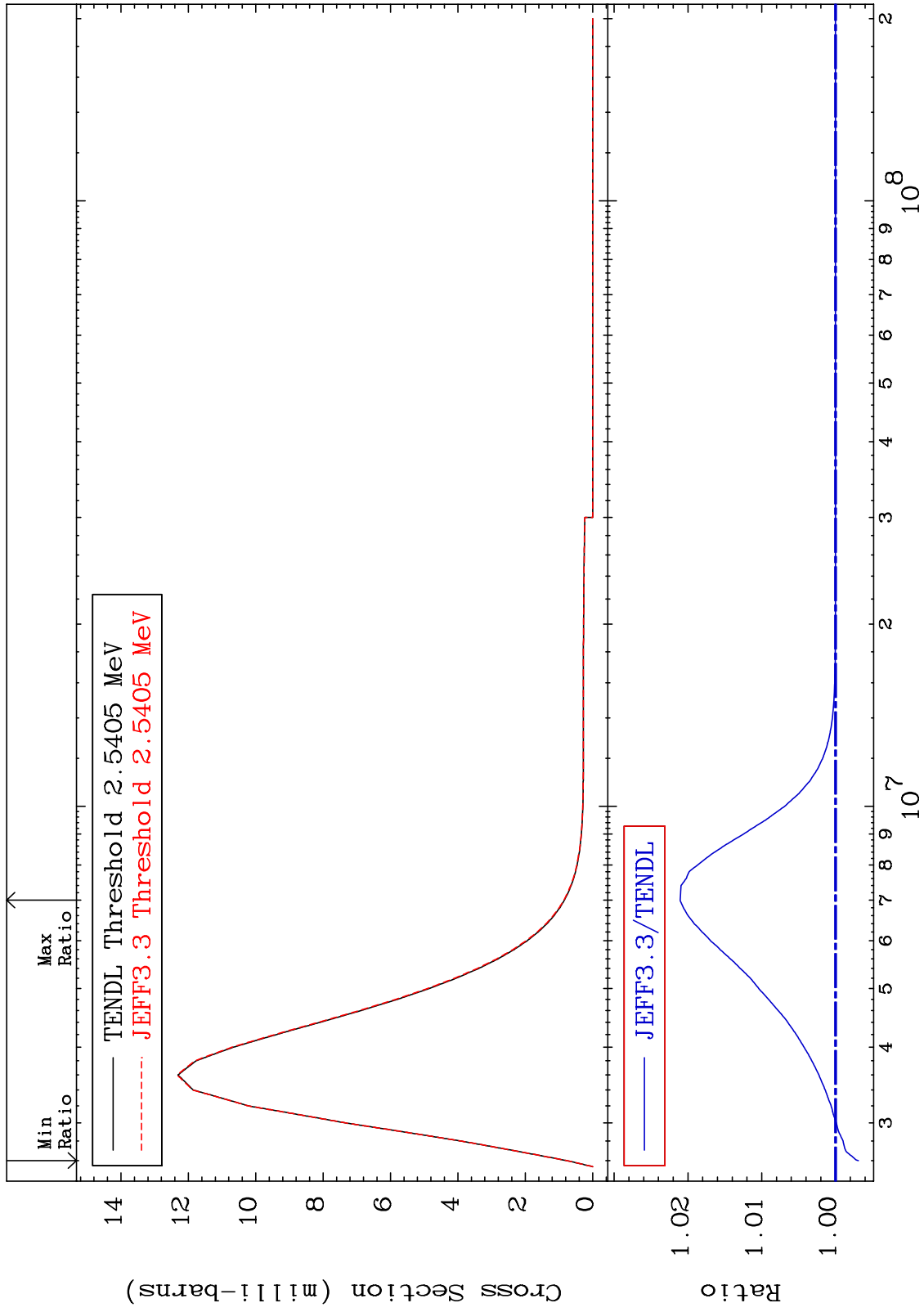
36-Kr-78  
0.000 To 2.057 %



MAT 3625

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

36-Kr-78  
-0.310 To 2.108 %



35

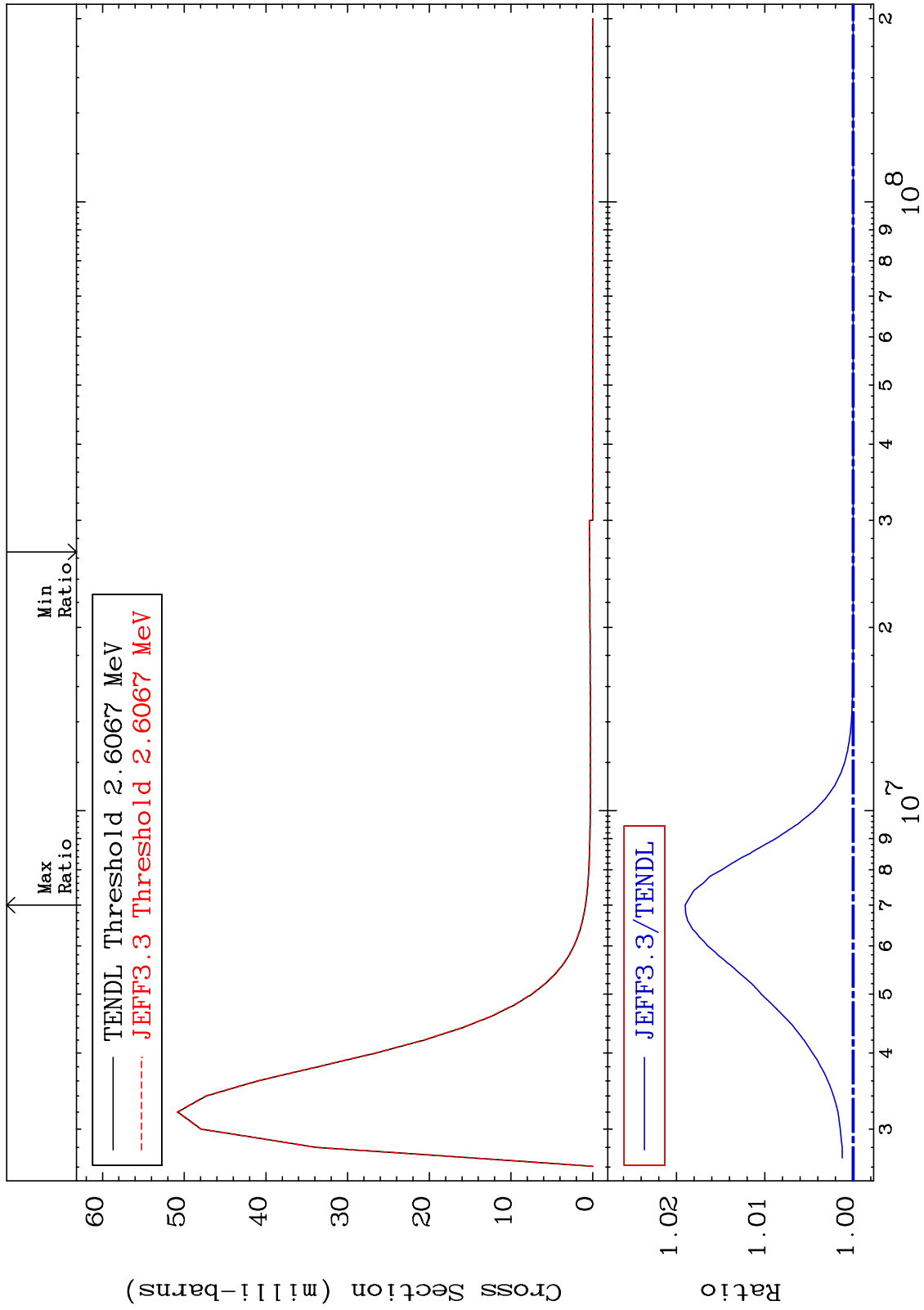
Incident Energy (eV)

36-Kr-78

MAT 3625

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

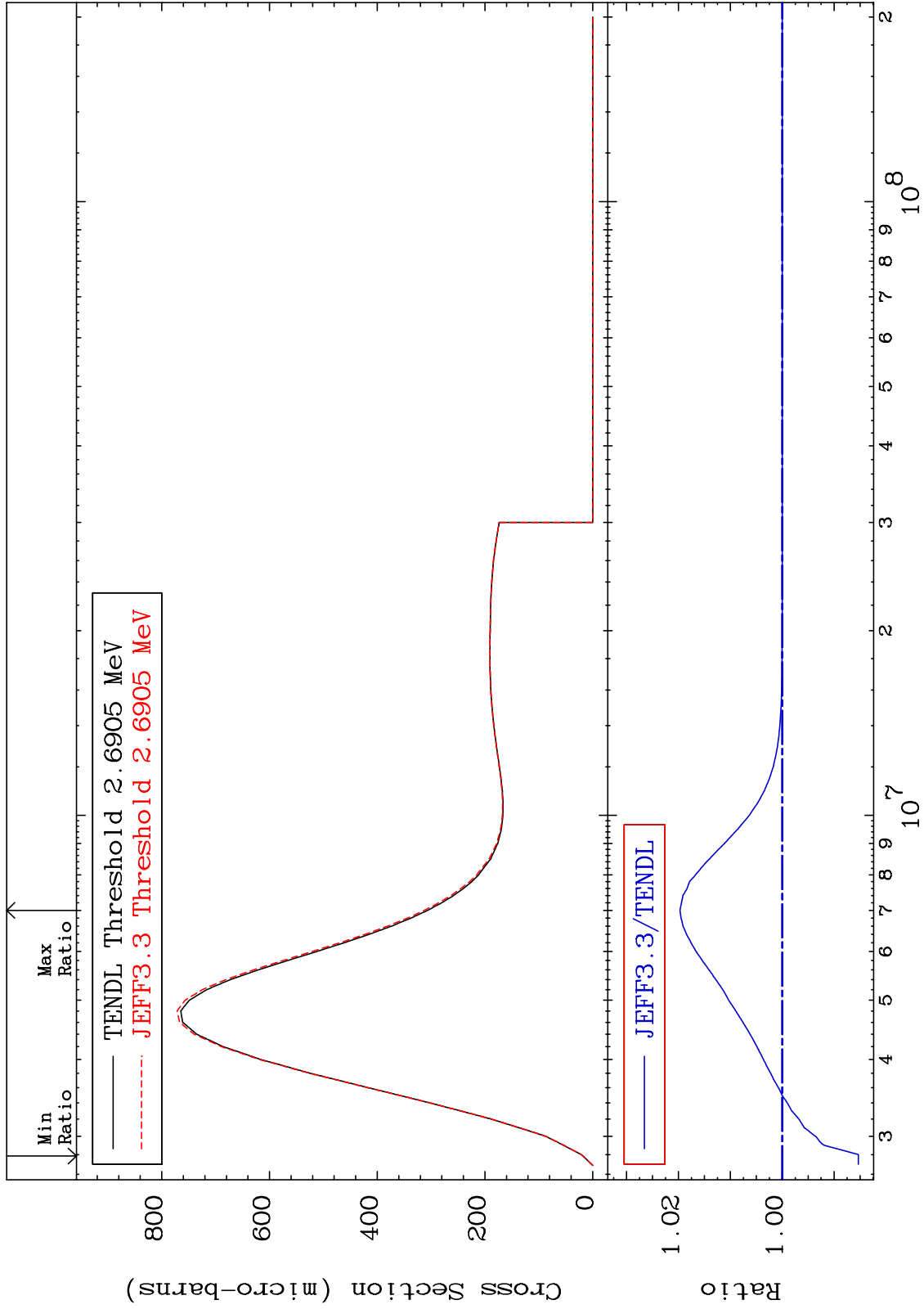
36-Kr-78  
0.000 To 1.901 %



MAT 3625

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

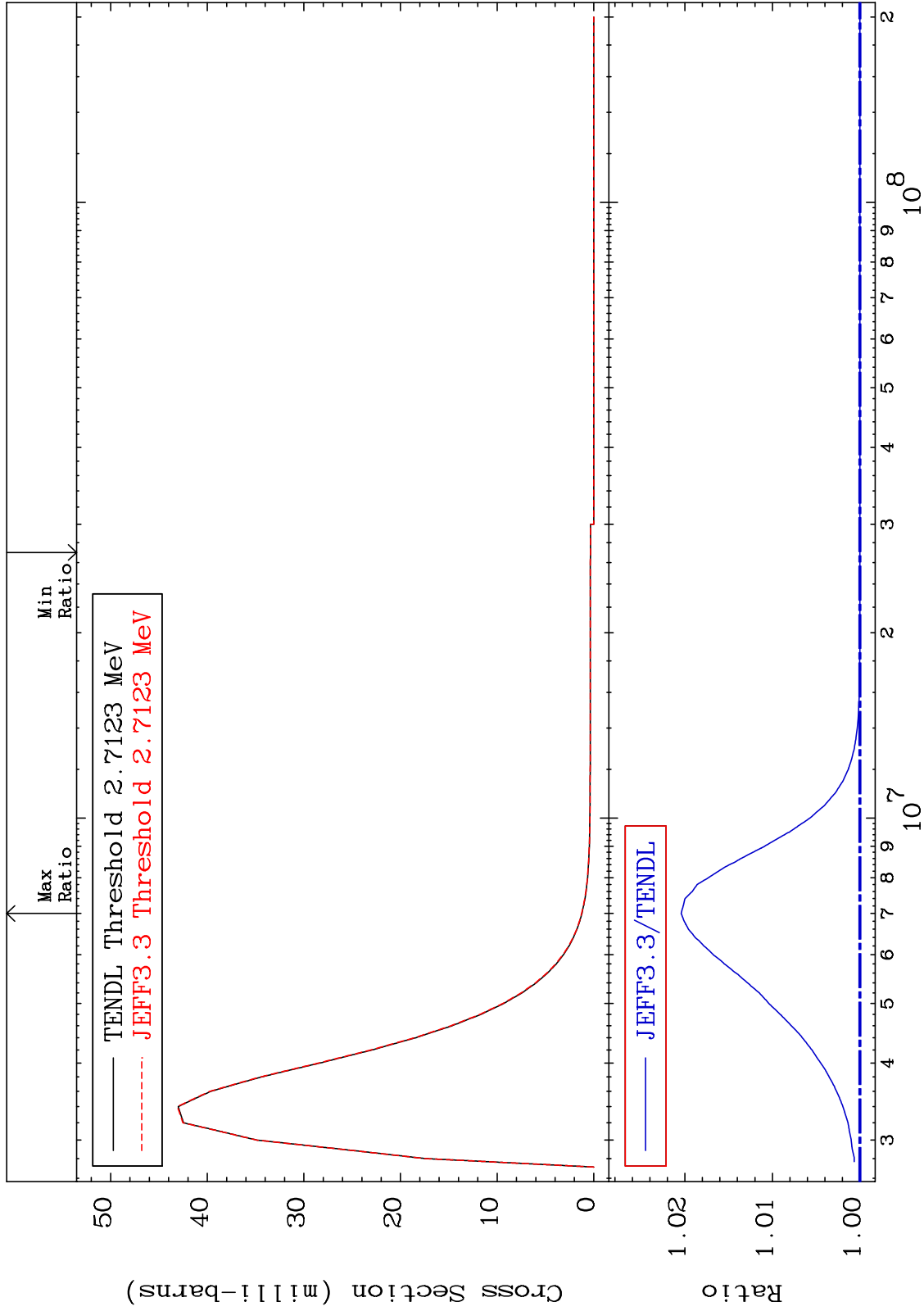
36-Kr-78  
-1.467 To 1.970 %



MAT 3625

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

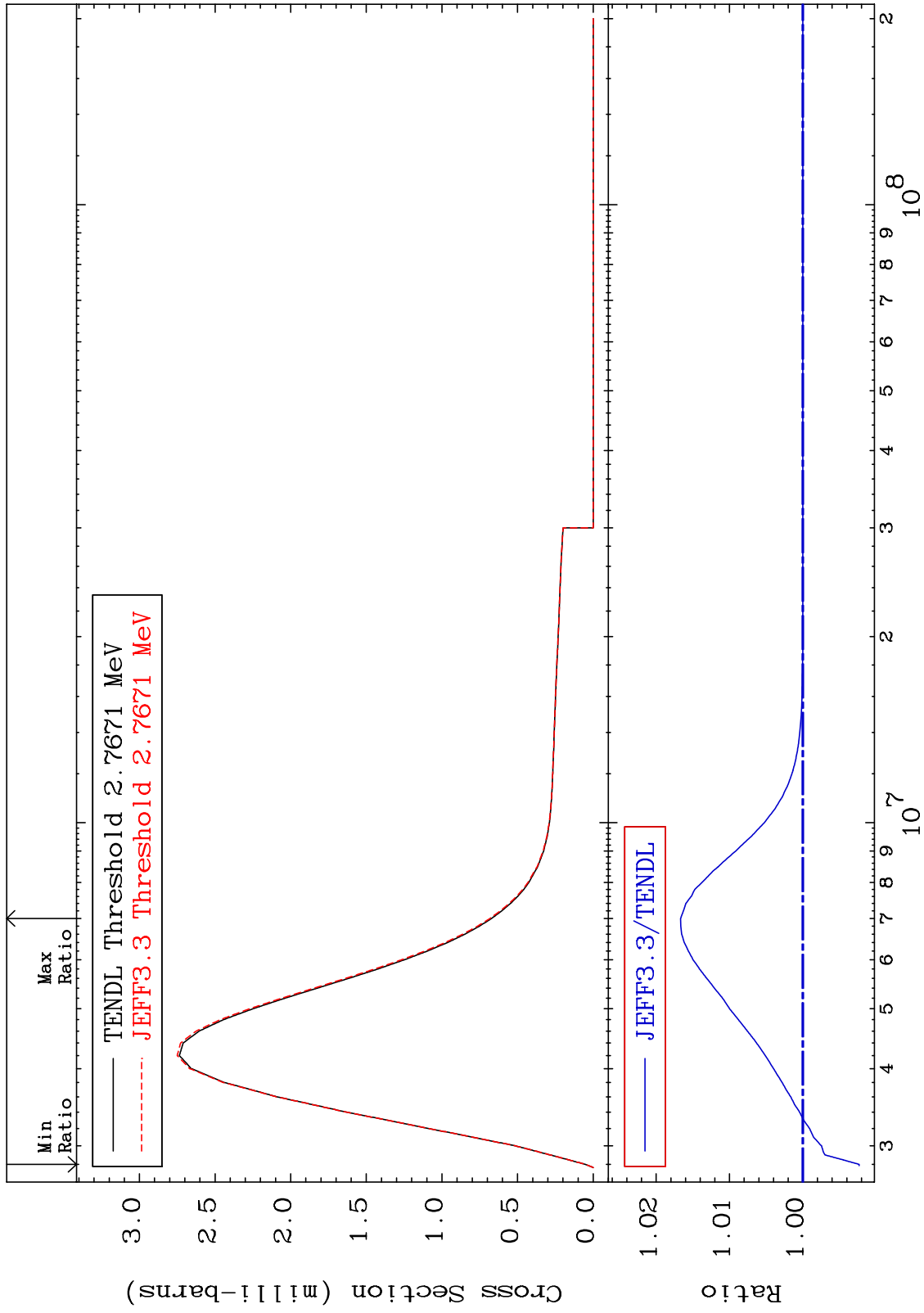
0.000 To 2.042 %  
36-Kr-78



MAT 3625

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

36-Kr-78  
-0.769 To 1.667 %

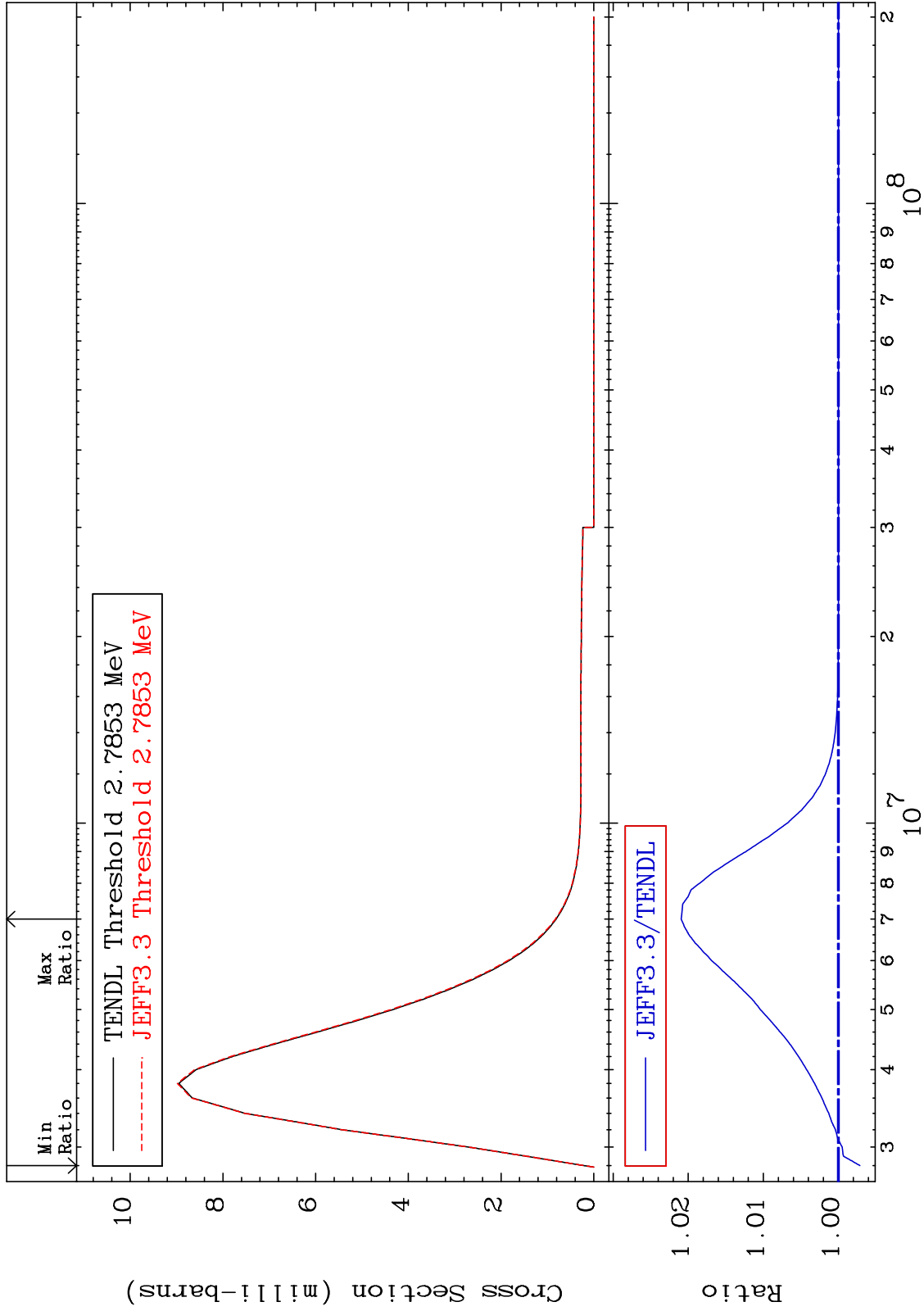




MAT 3625

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

36-Kr-78  
-0.287 To 2.094 %

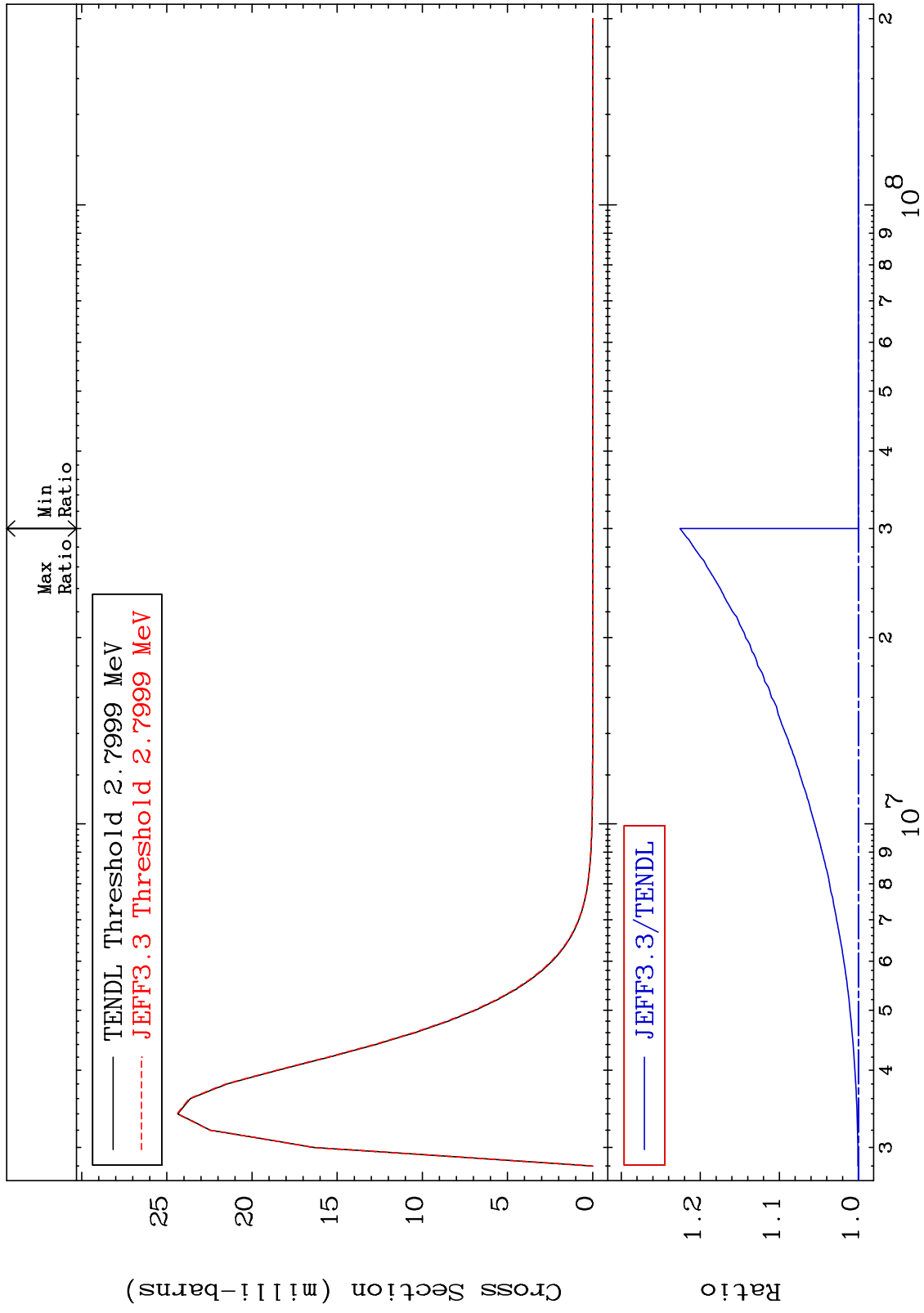


40

Incident Energy (eV)

36-Kr-78

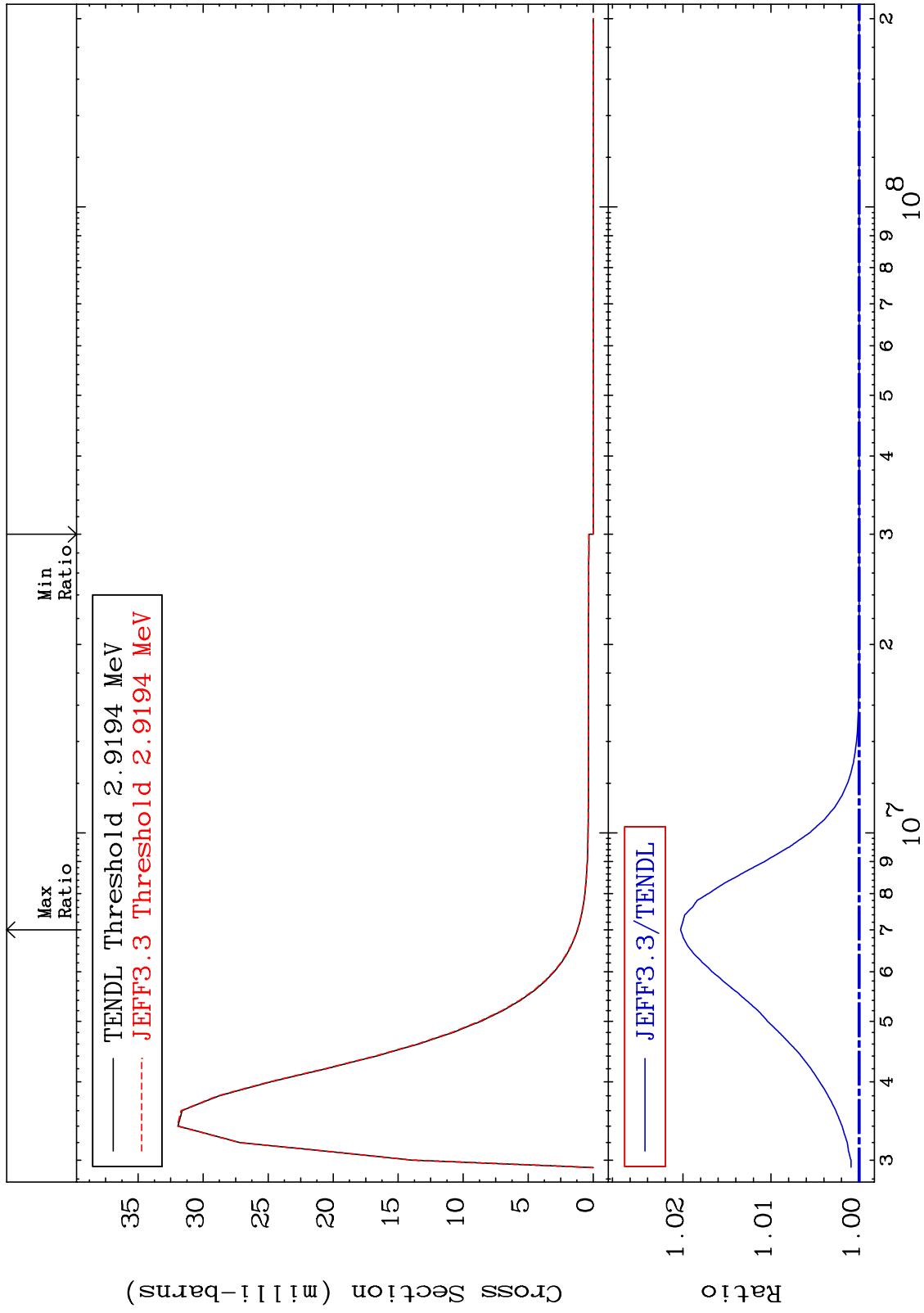
MAT 3625 MT= 75 (n, n') Level Cross Section 36-Kr-78  
 0.000 To 22.57 %



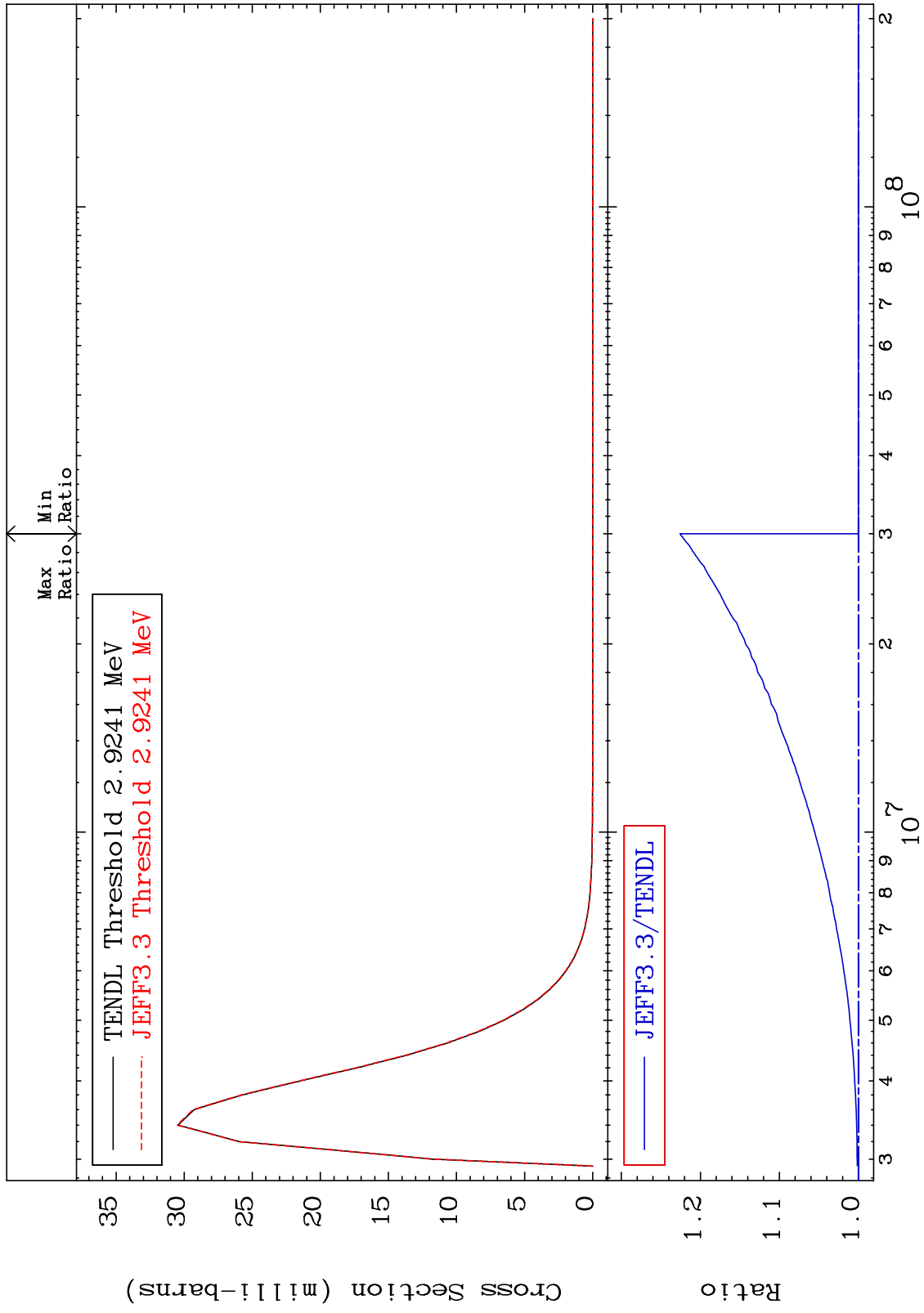
MAT 3625

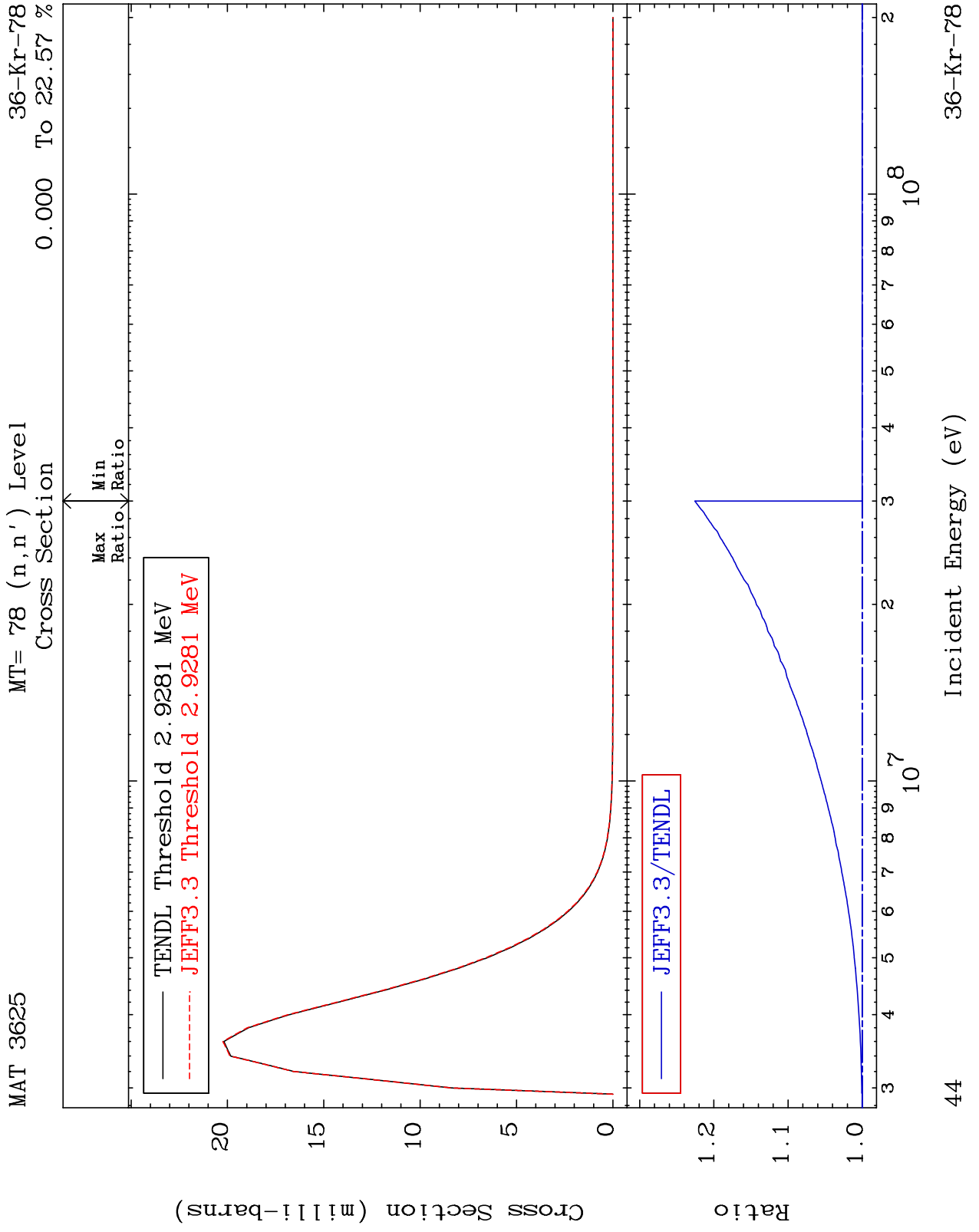
MT= 76 (n, n') Level  
Cross Section

36-Kr-78  
0.000 To 2.026 %

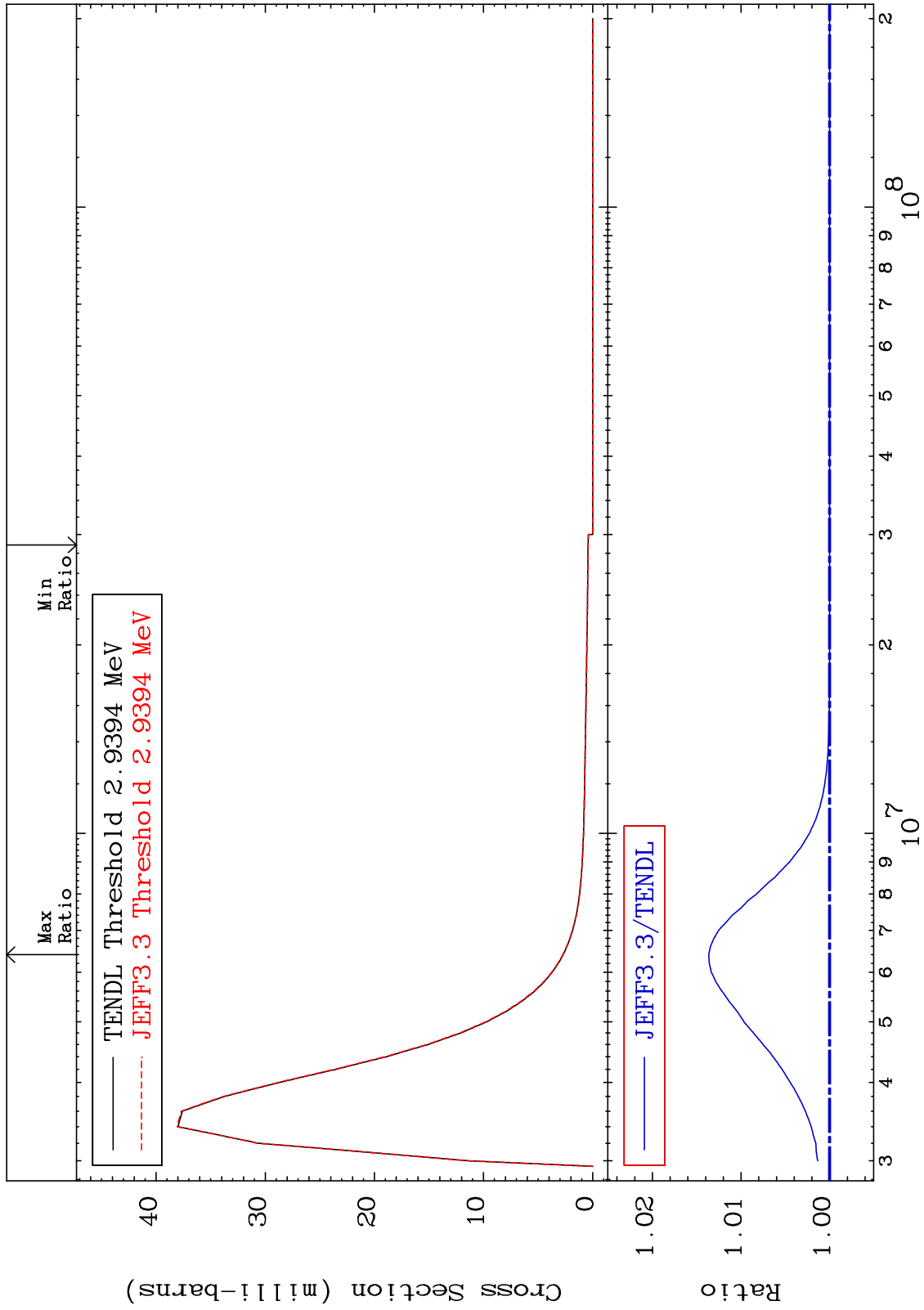


MAT 3625 MT= 77 (n, n') Level Cross Section 0.000 To 22.57 % 36-Kr-78





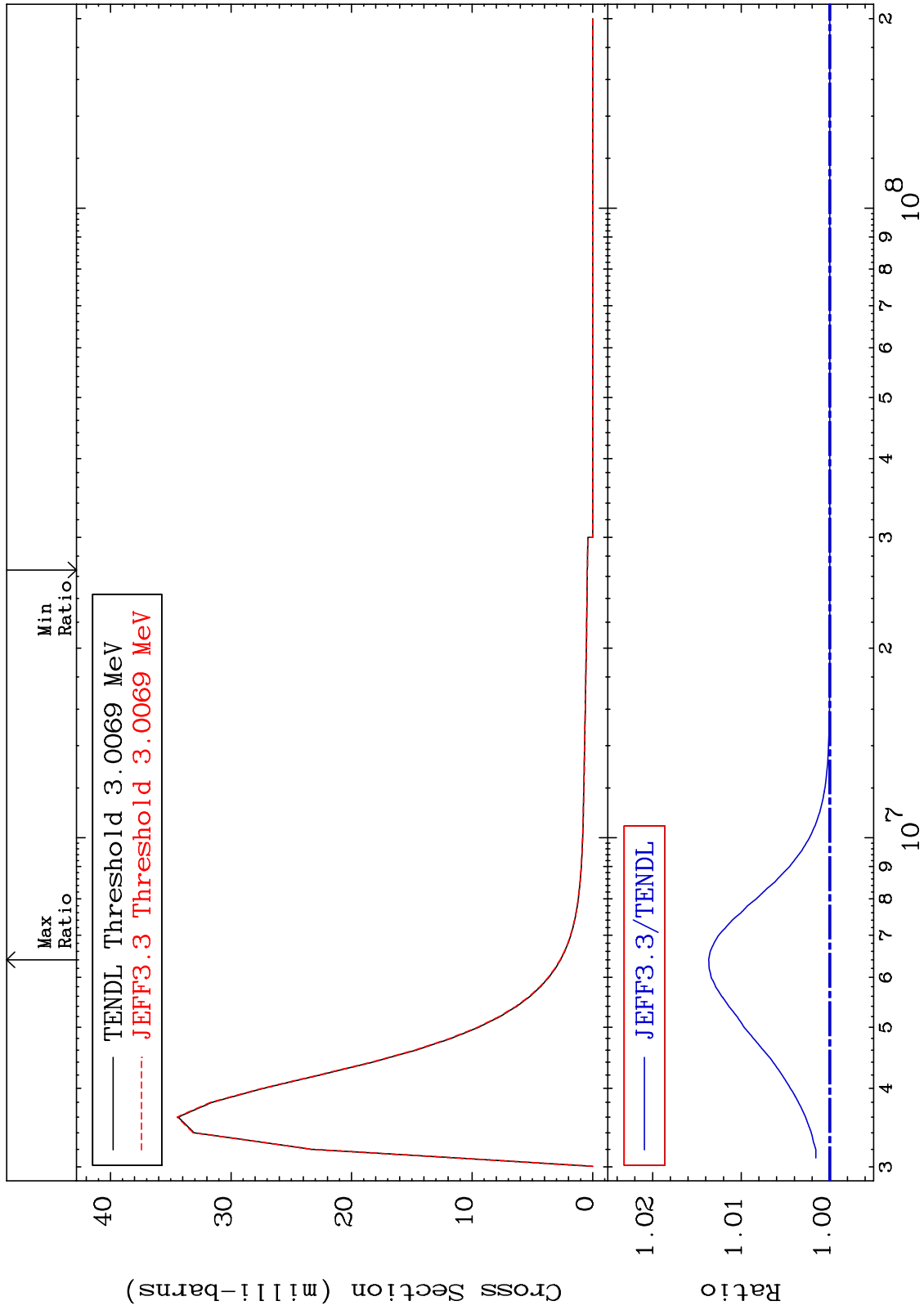
MAT 3625 MT= 79 (n, n') Level Cross Section 36-Kr-78  
 0.000 To 1.364 %



MAT 3625

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

36-Kr-78  
0.000 To 1.368 %



46

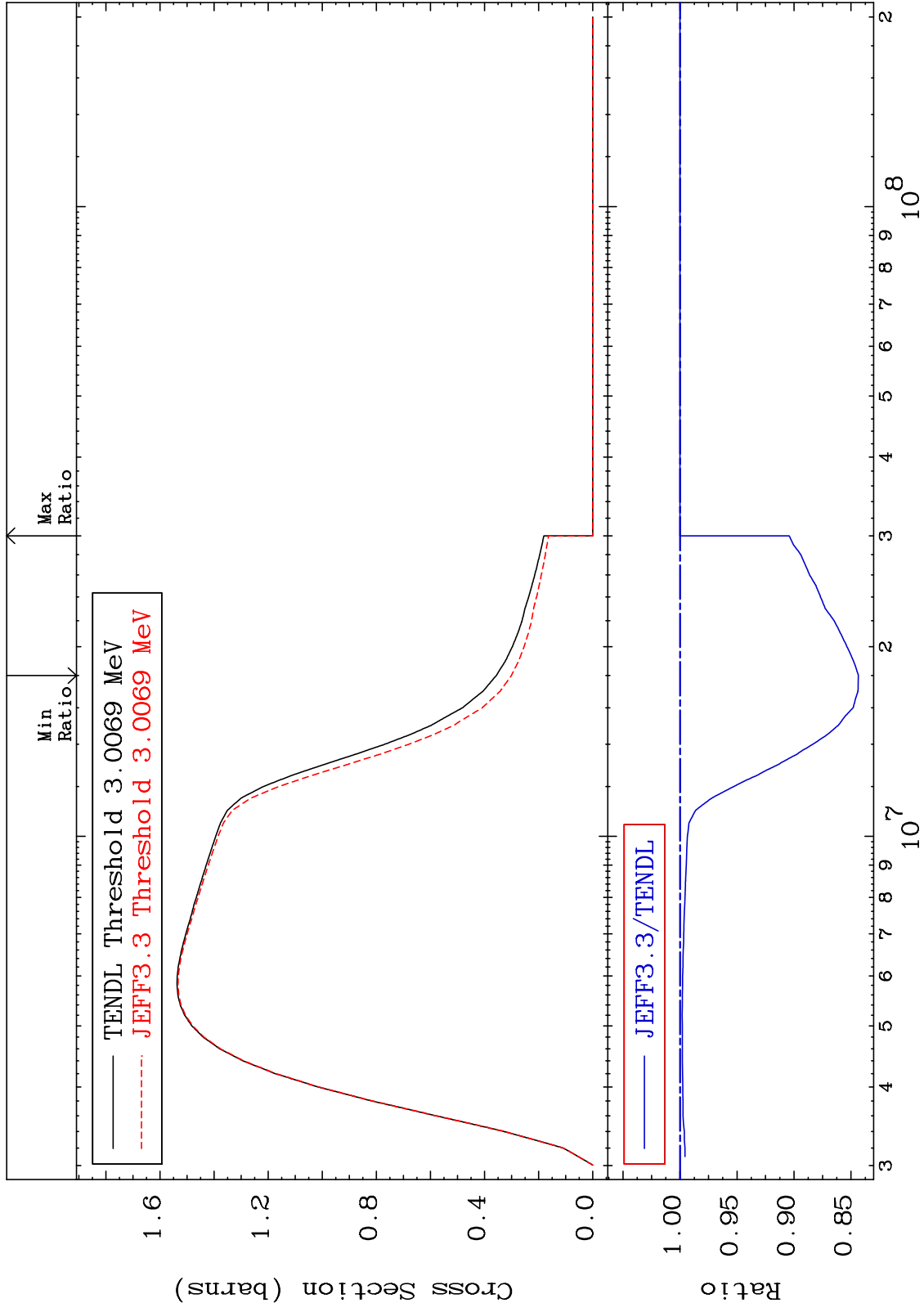
Incident Energy (eV)

36-Kr-78

MAT 3625

(n, n') Continuum  
Cross Section

36-Kr-78  
-15.65 To 0.000 %



47

Incident Energy (eV)

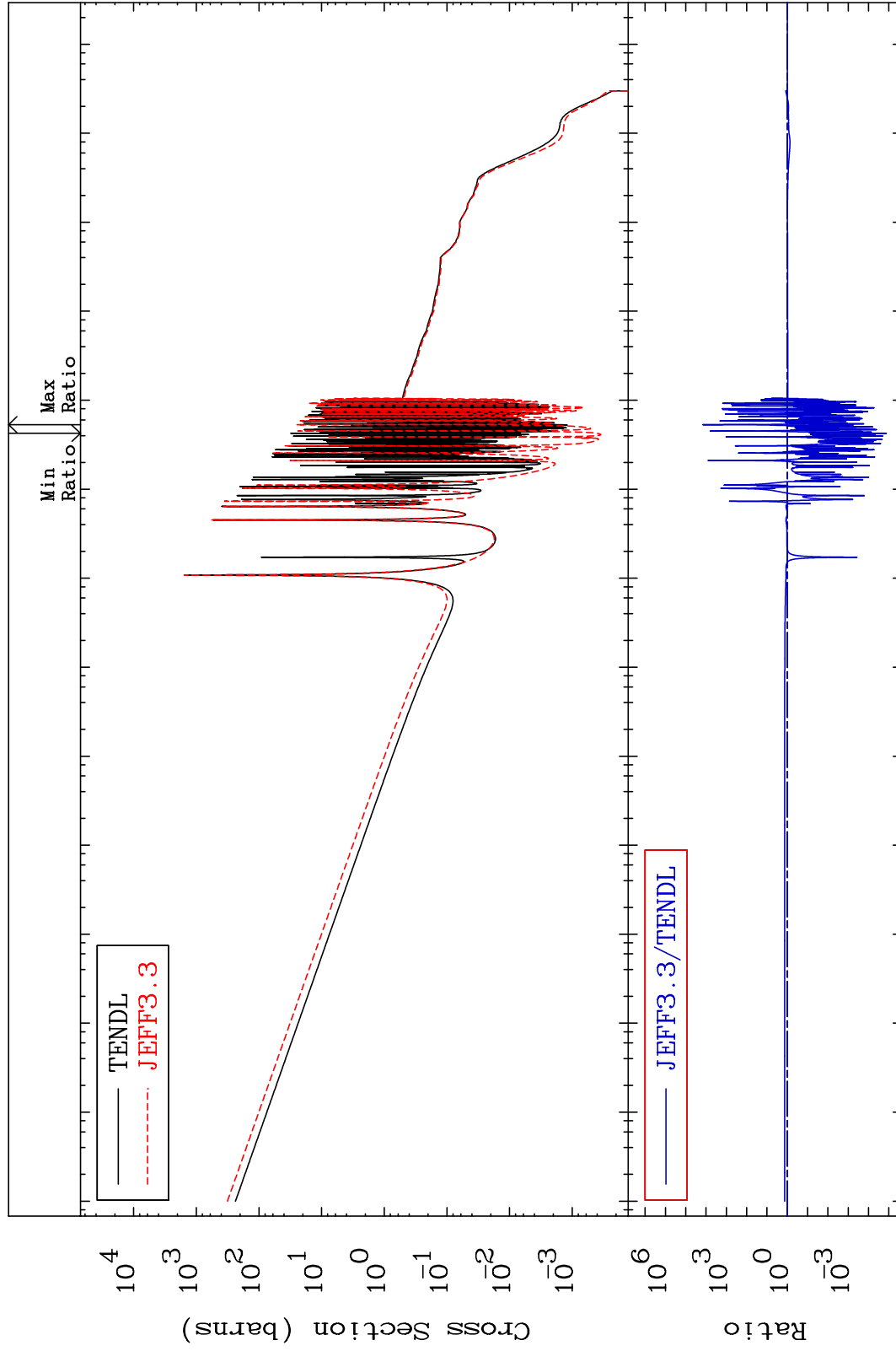
36-Kr-78



MAT 3625

<sup>36</sup>Kr-78

(n,  $\gamma$ )  
Cross Section  
-100.0 To 9999. %



48

Incident Energy (eV)

<sup>36</sup>Kr-78

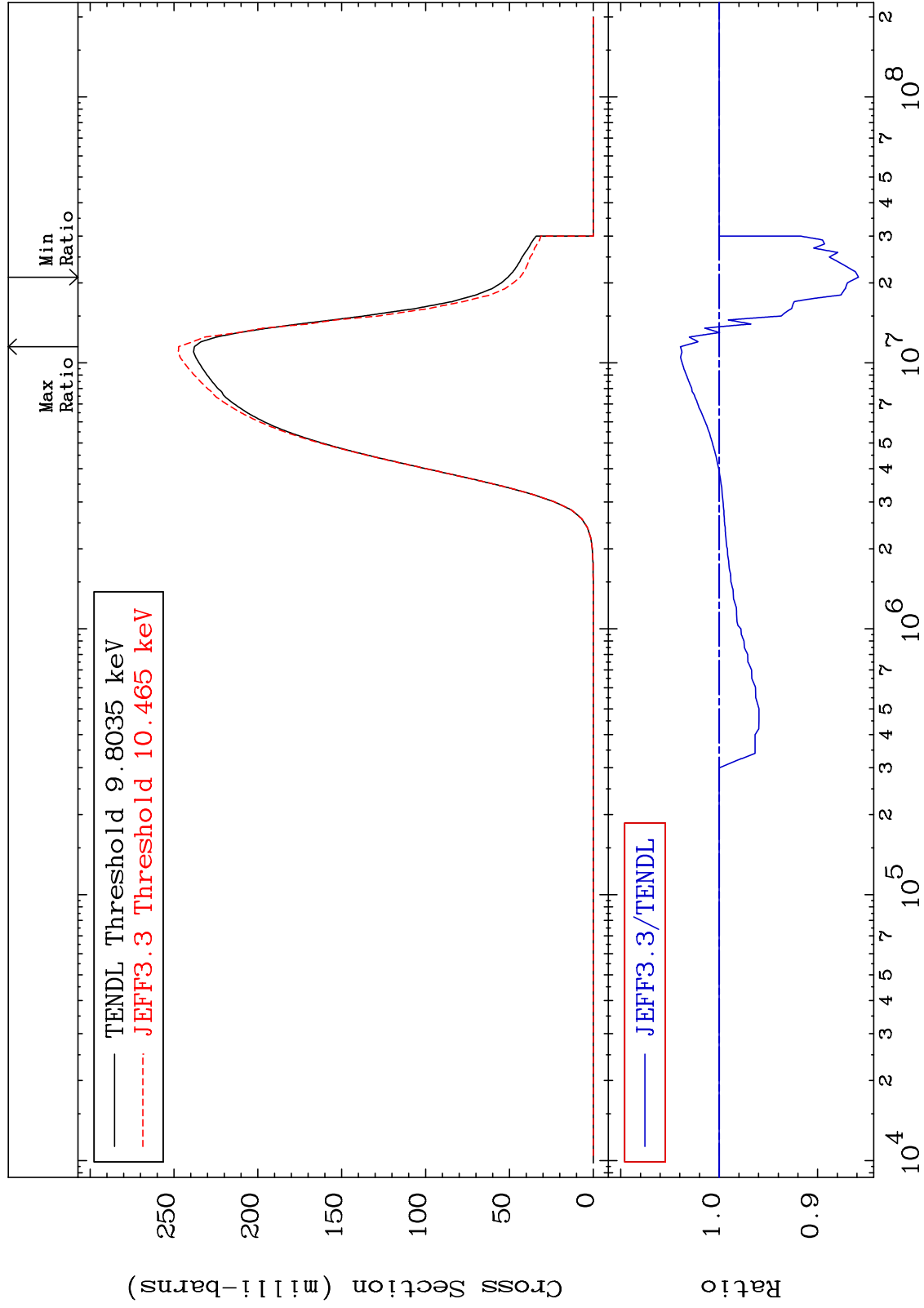
MAT 3625

(n,p)

36-Kr-78

Cross Section

-14.15 To 3.937 %



Incident Energy (eV)

36-Kr-78

49

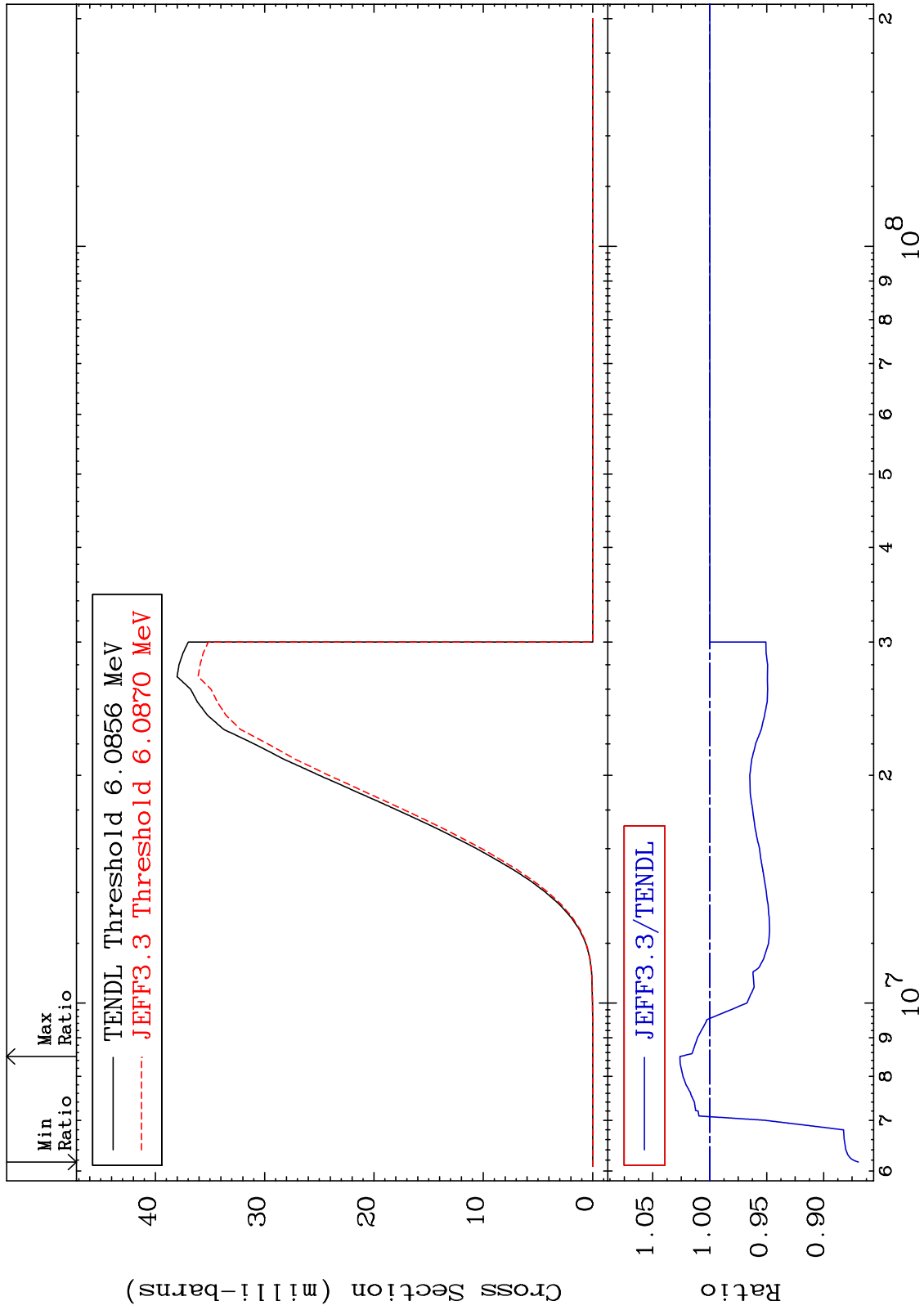
MAT 3625

(n, d)

36-Kr-78

Cross Section

-13.05 To 2.607 %



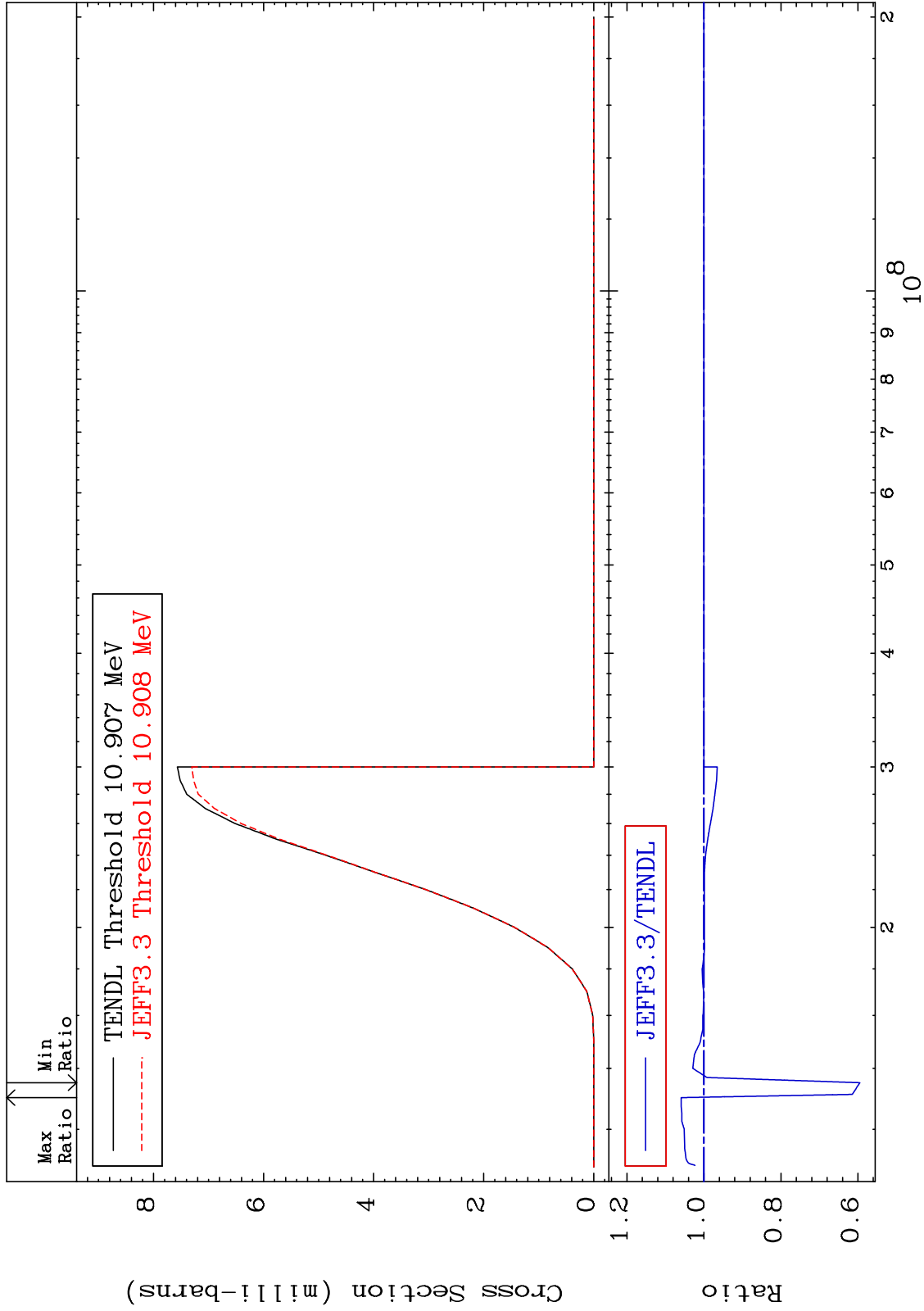
50

Incident Energy (eV)

36-Kr-78

Cross Section

-40.52 To 5.902 %



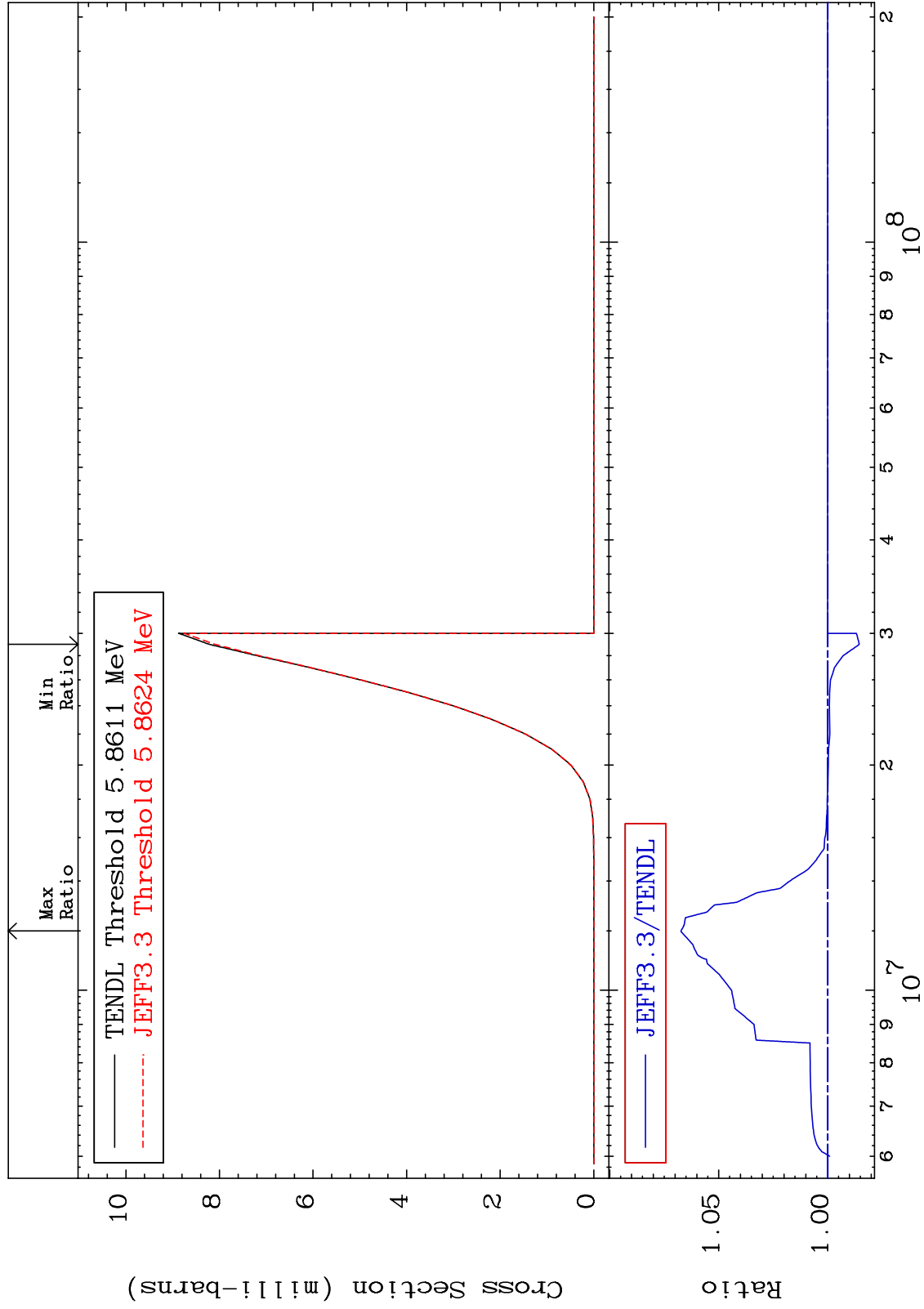
MAT 3625

(n, He-3)

36-Kr-78

Cross Section

-1.449 To 6.726 %



52

Incident Energy (eV)

36-Kr-78

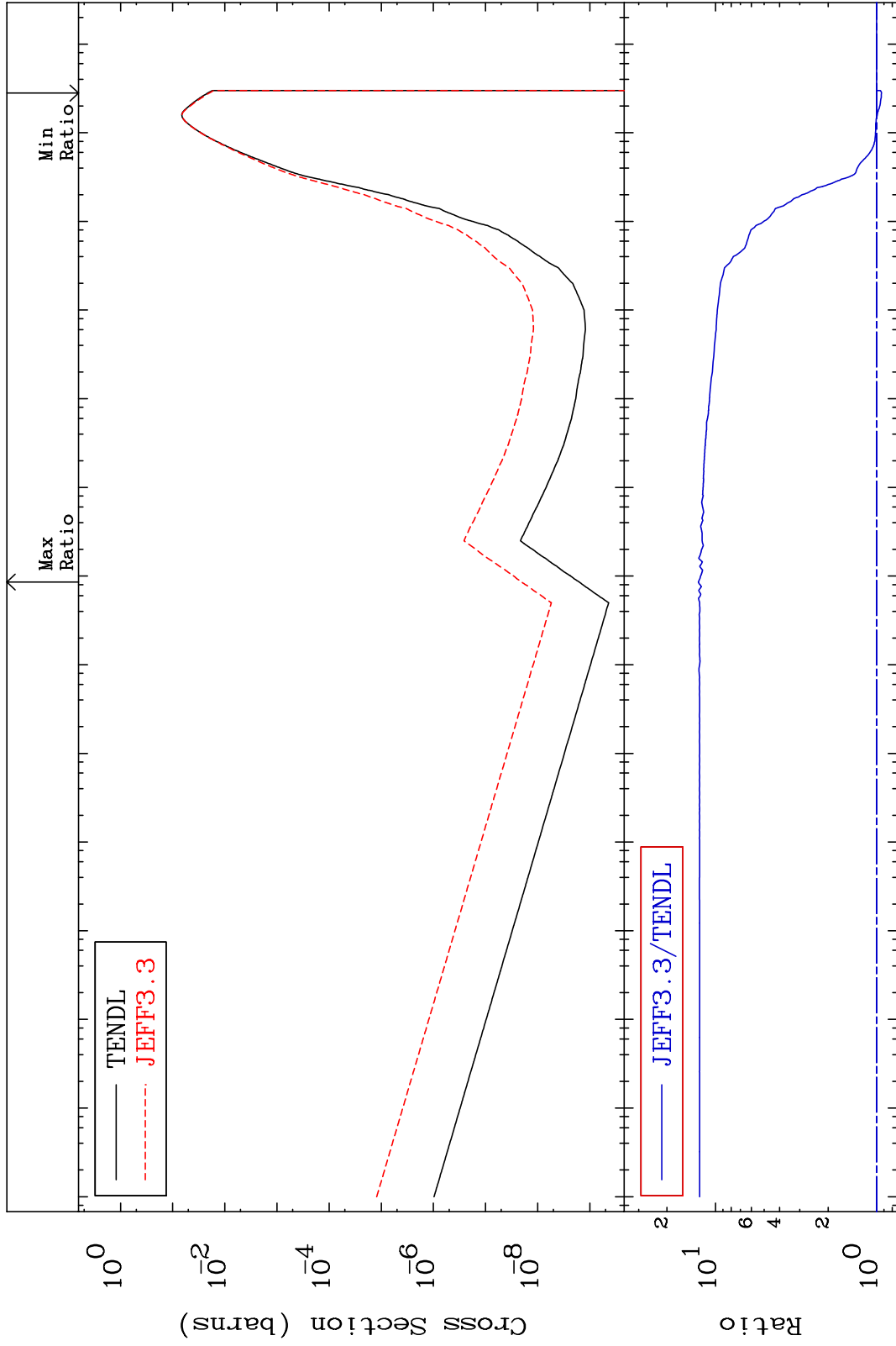
MAT 3625

(n,  $\alpha$ )

36-Kr-78

Cross Section

-6.780 To 1178. %



Incident Energy (eV)

36-Kr-78

53

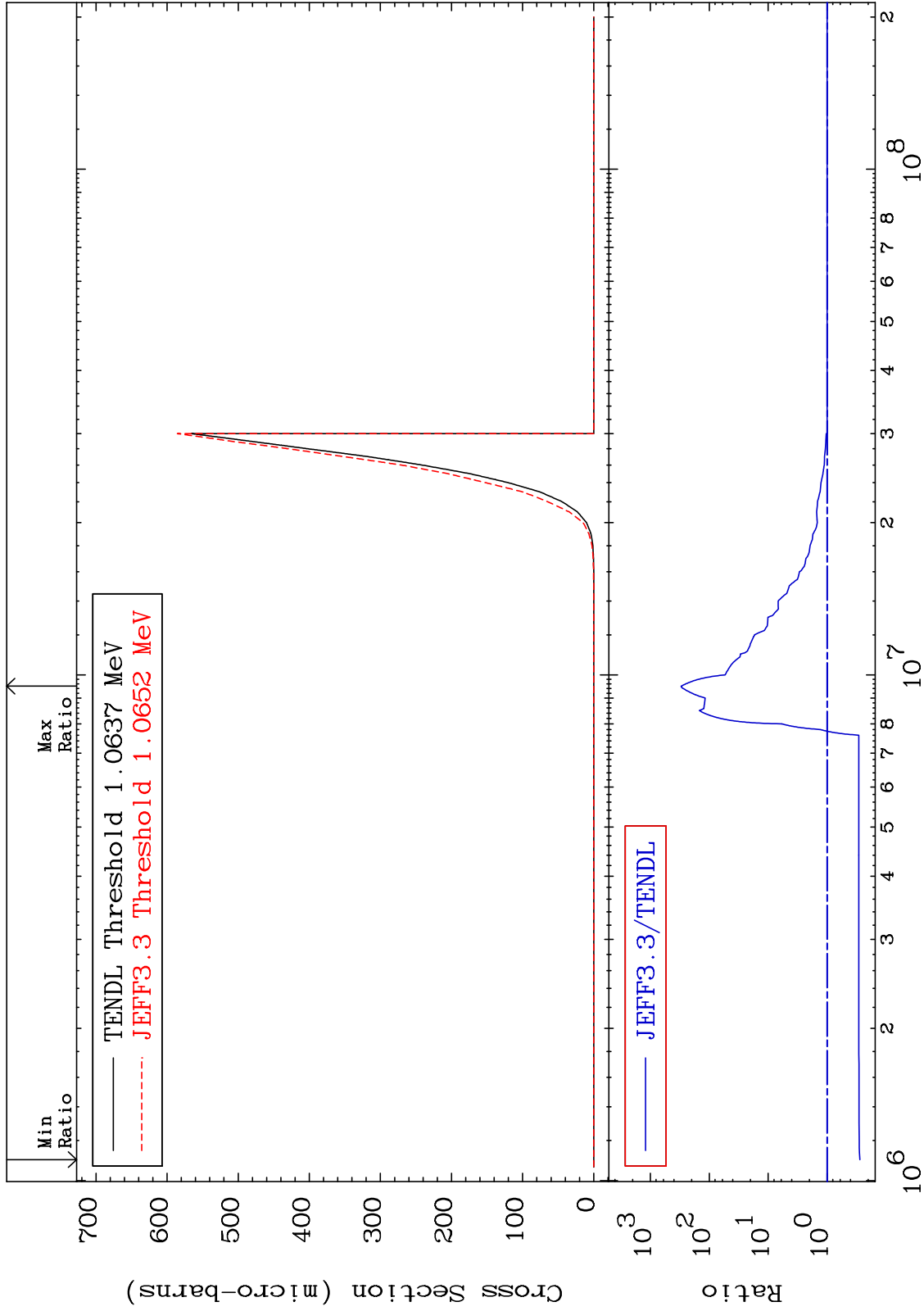
MAT 3625

(n, 2α)

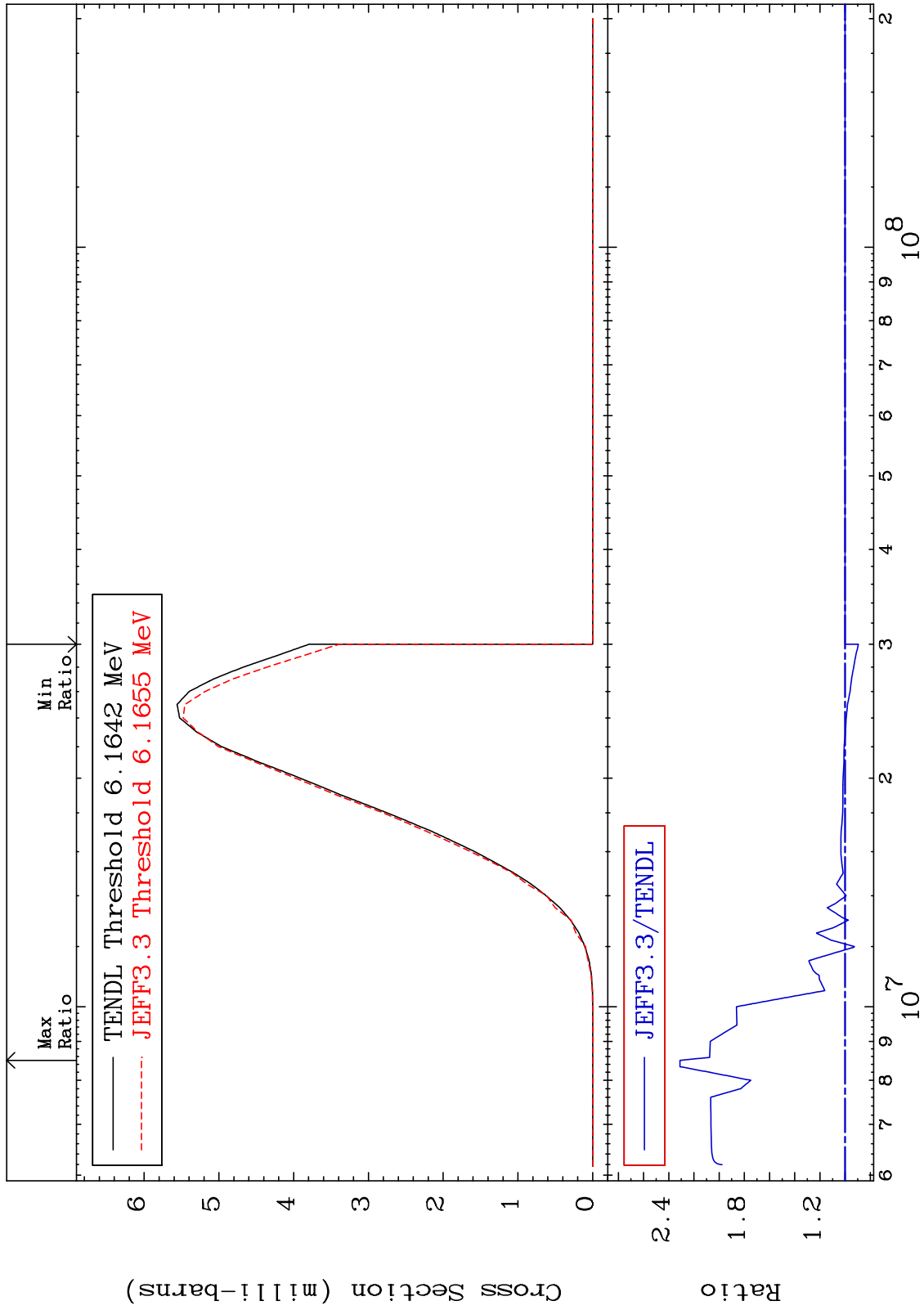
<sup>36</sup>Kr-78

-72.29 To 9999. %

Cross Section



MAT 3625 (n,2p) Cross Section 36-Kr-78 -10.54 To 131.1 %



55 36-Kr-78



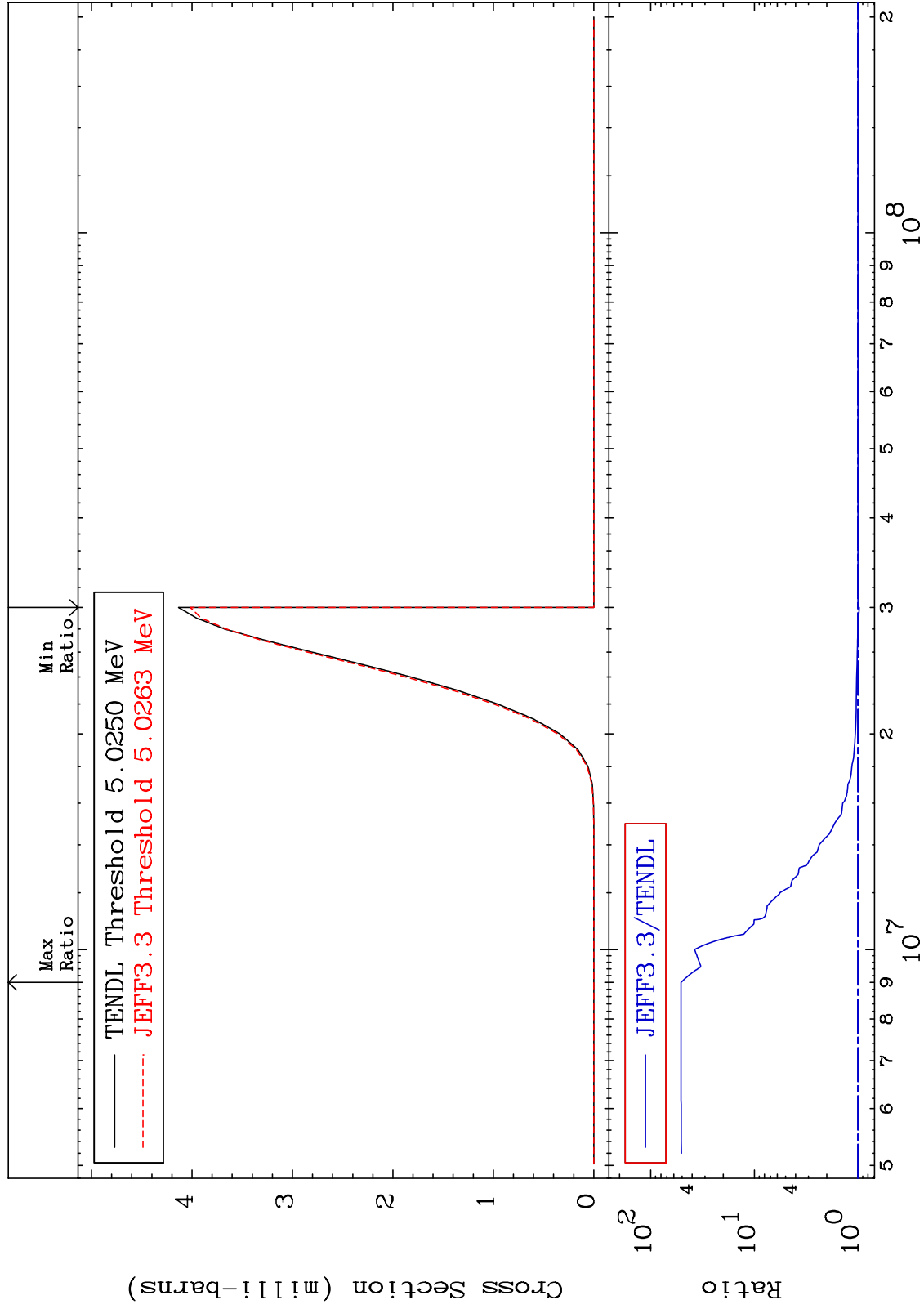
MAT 3625

(n,p)  $\alpha$

<sup>36</sup>Kr-78

Cross Section

-2.847 To 5005. %

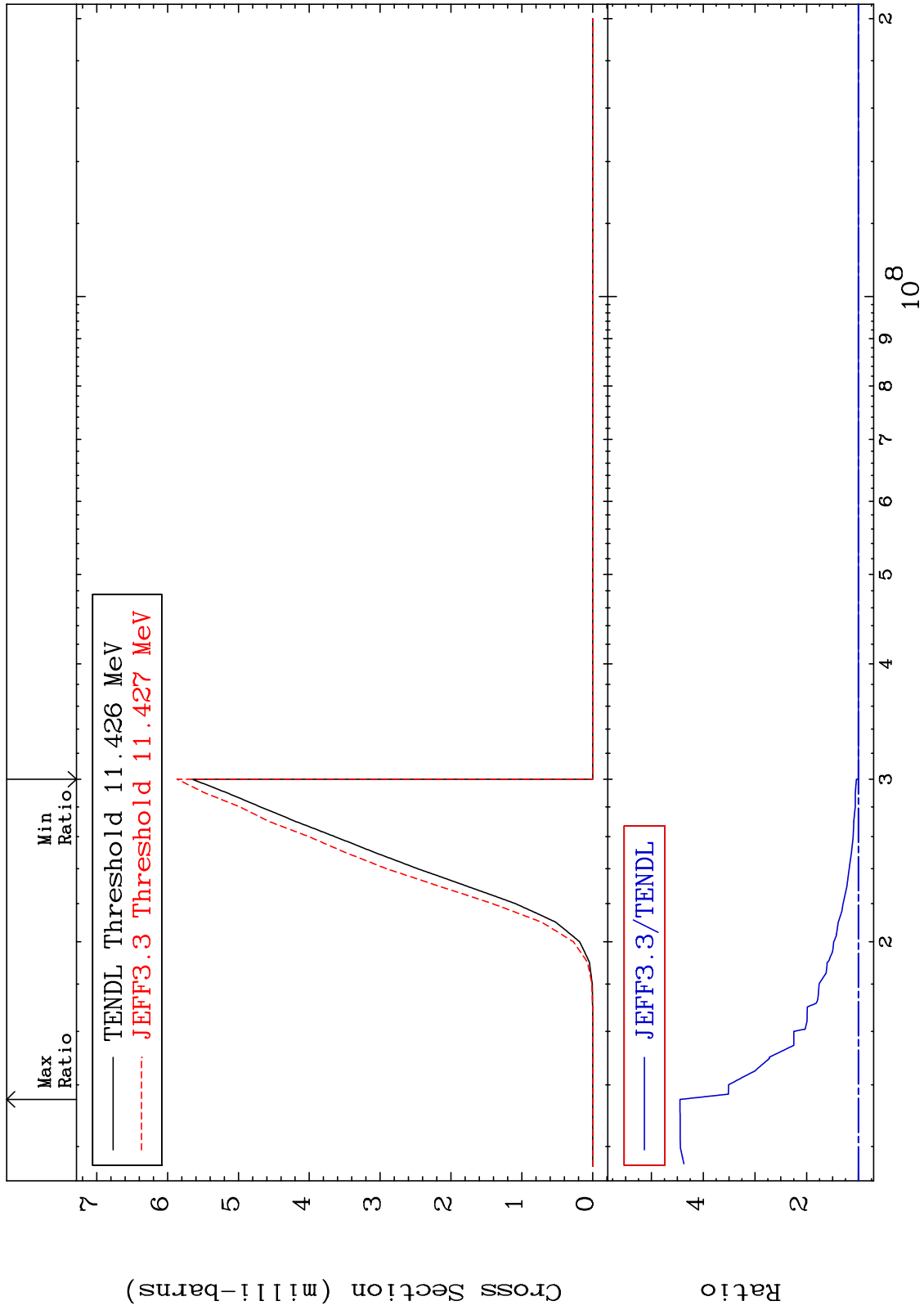


56

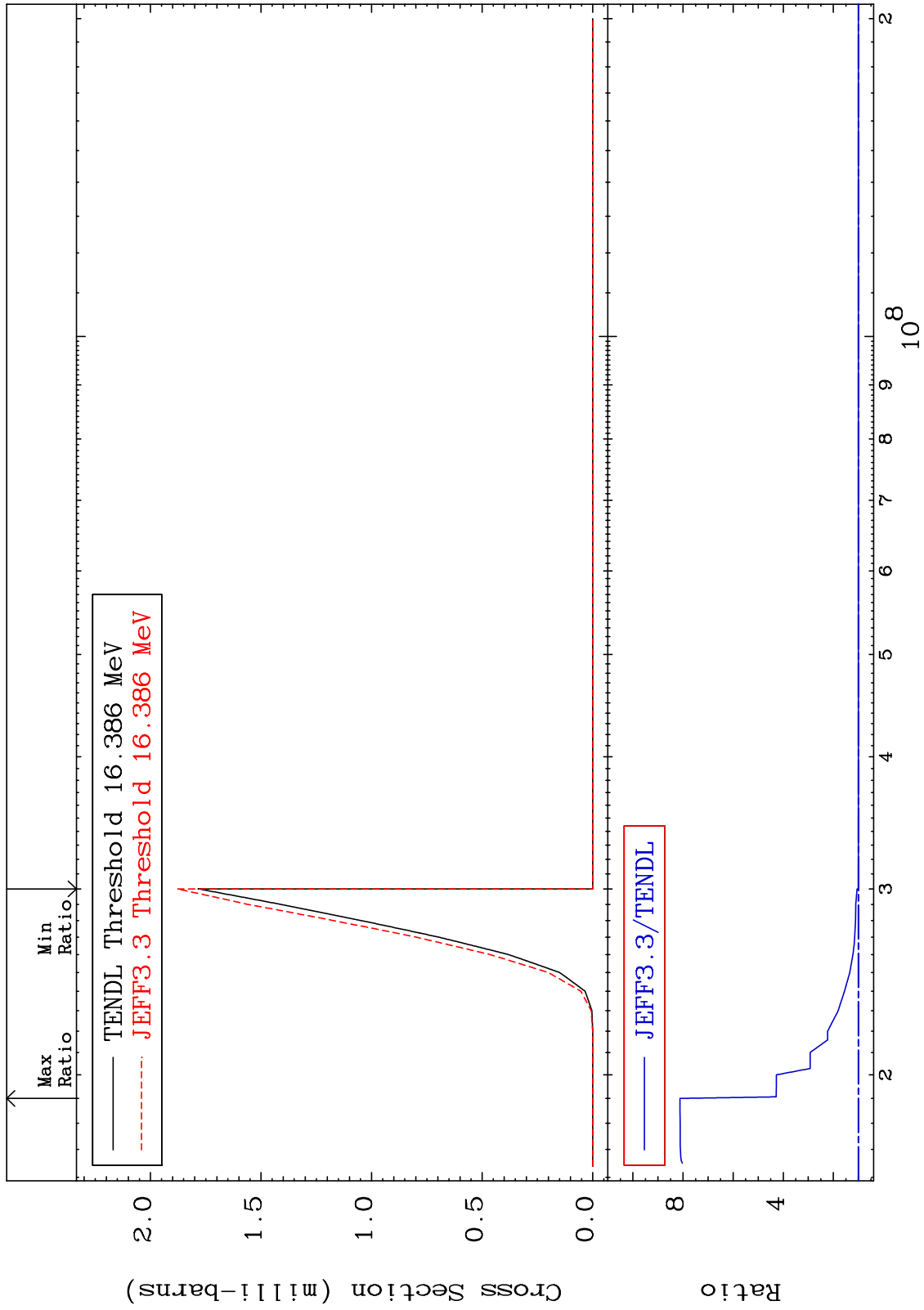
Incident Energy (eV)

<sup>36</sup>Kr-78

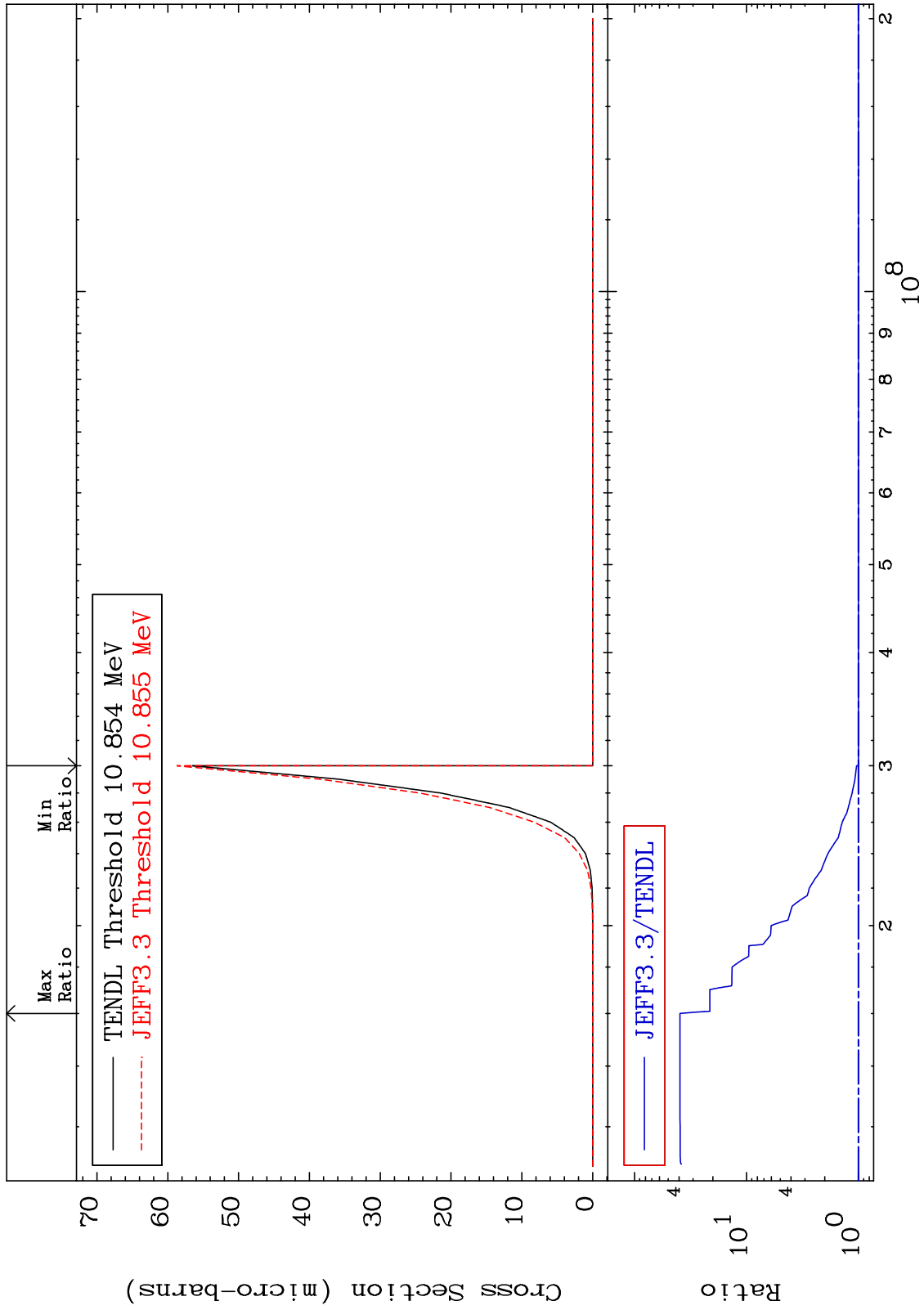
MAT 3625 (n,p) d 36-Kr-78  
 Cross Section 0.000 To 344.8 %



MAT 3625  $(n,p)$  t  $^{36}\text{Kr-78}$   
 Cross Section 0.000 To 712.0 %



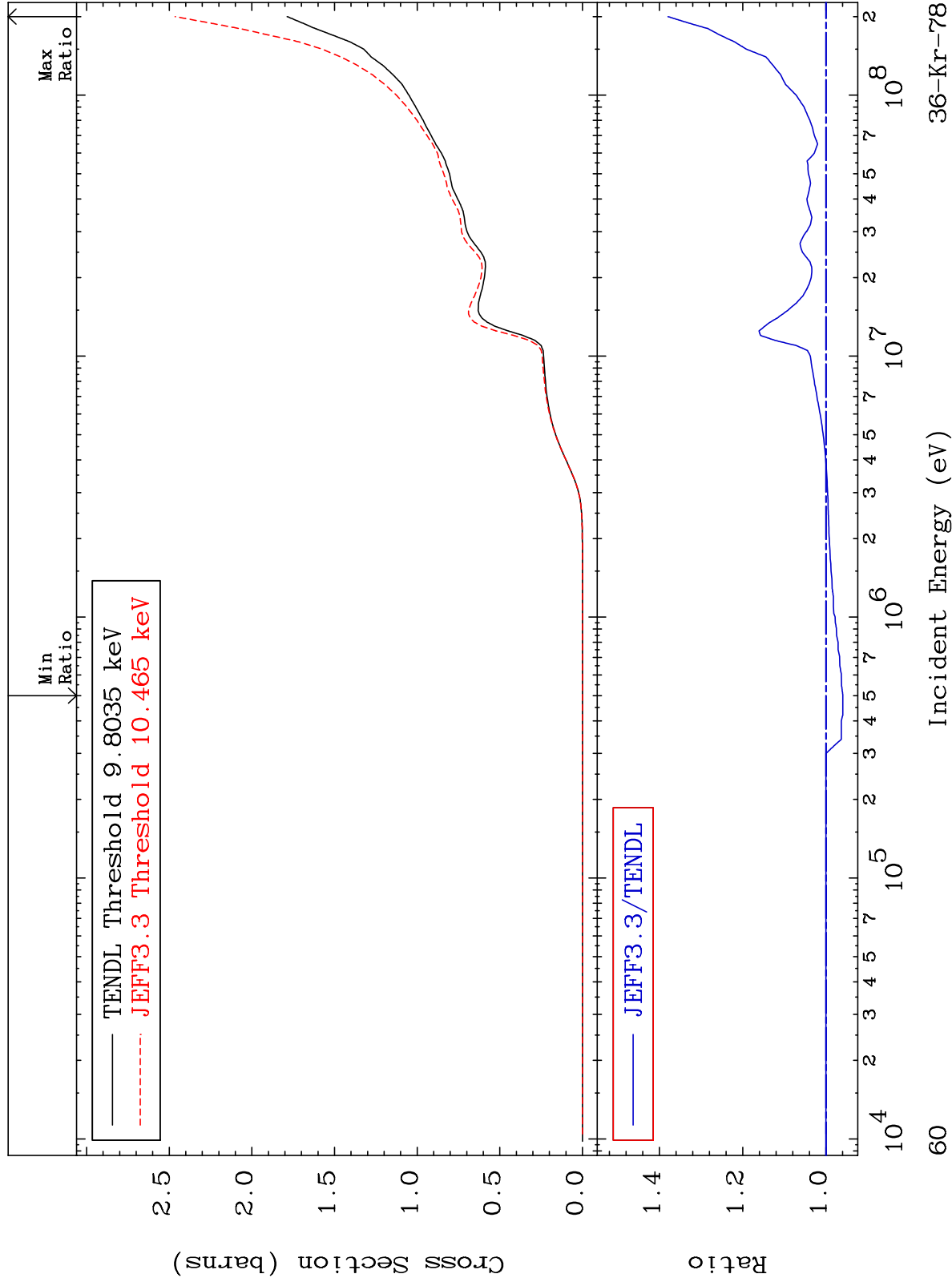
MAT 3625  $(n,d) \alpha$  Cross Section  $^{36}\text{Kr-78}$  To 3825. %  
 0.000



MAT 3625

Hydrogen Production  
Cross Section

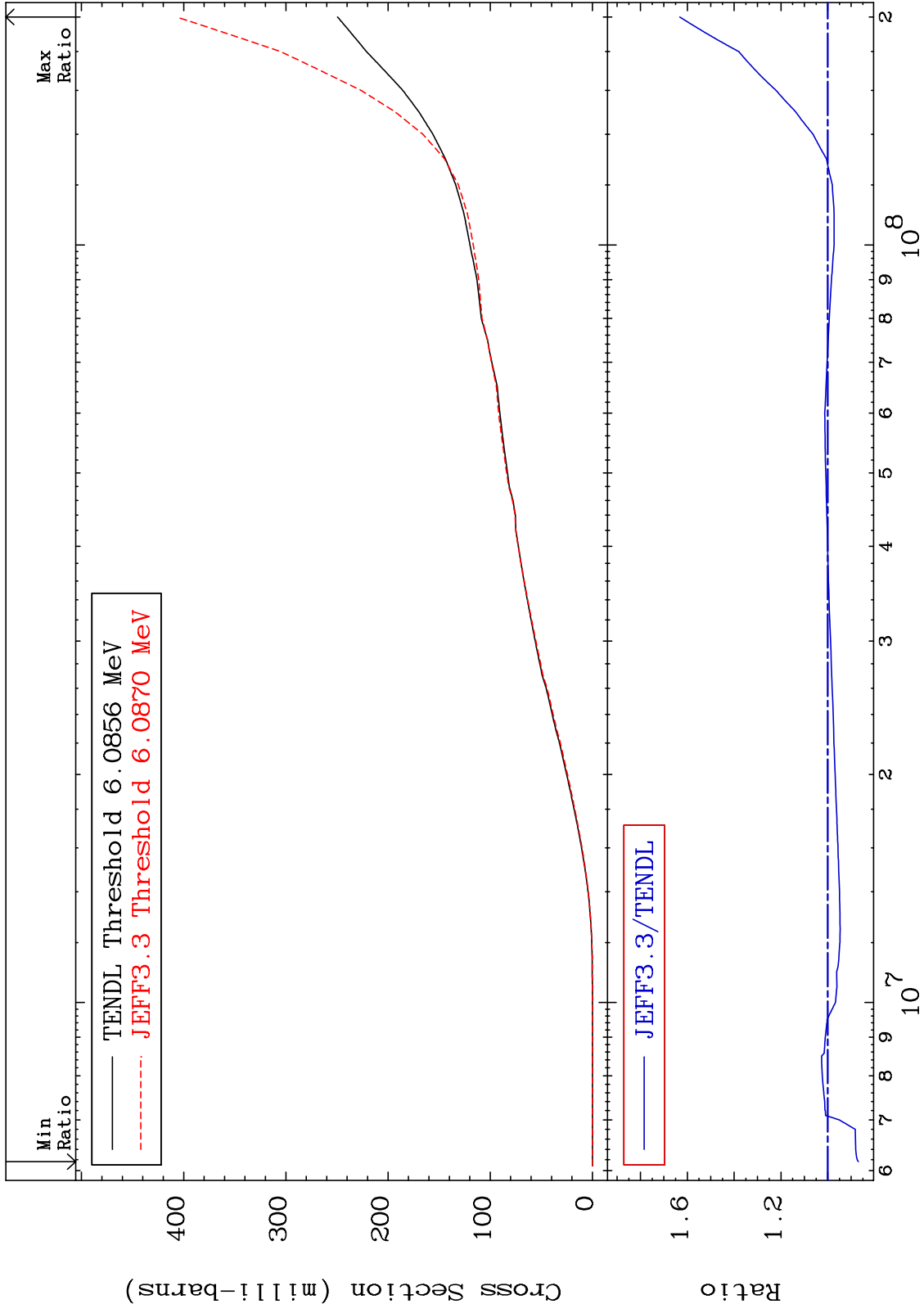
$^{36}\text{Kr-78}$   
-4.042 To 37.94 %



MAT 3625

Deuterium Production  
Cross Section

36-Kr-78  
-13.05 To 63.20 %



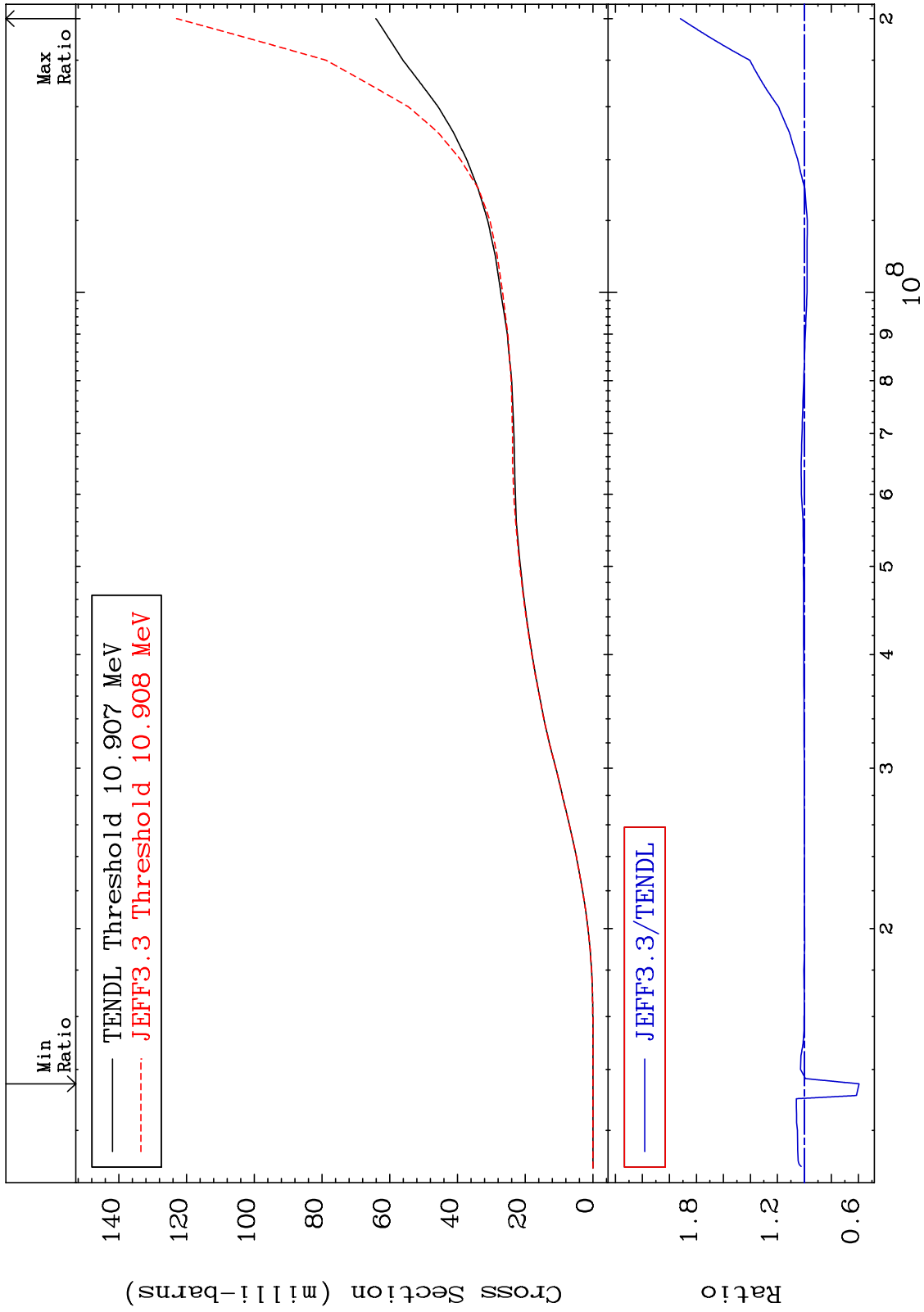
61

36-Kr-78

MAT 3625

Tritium Production  
Cross Section

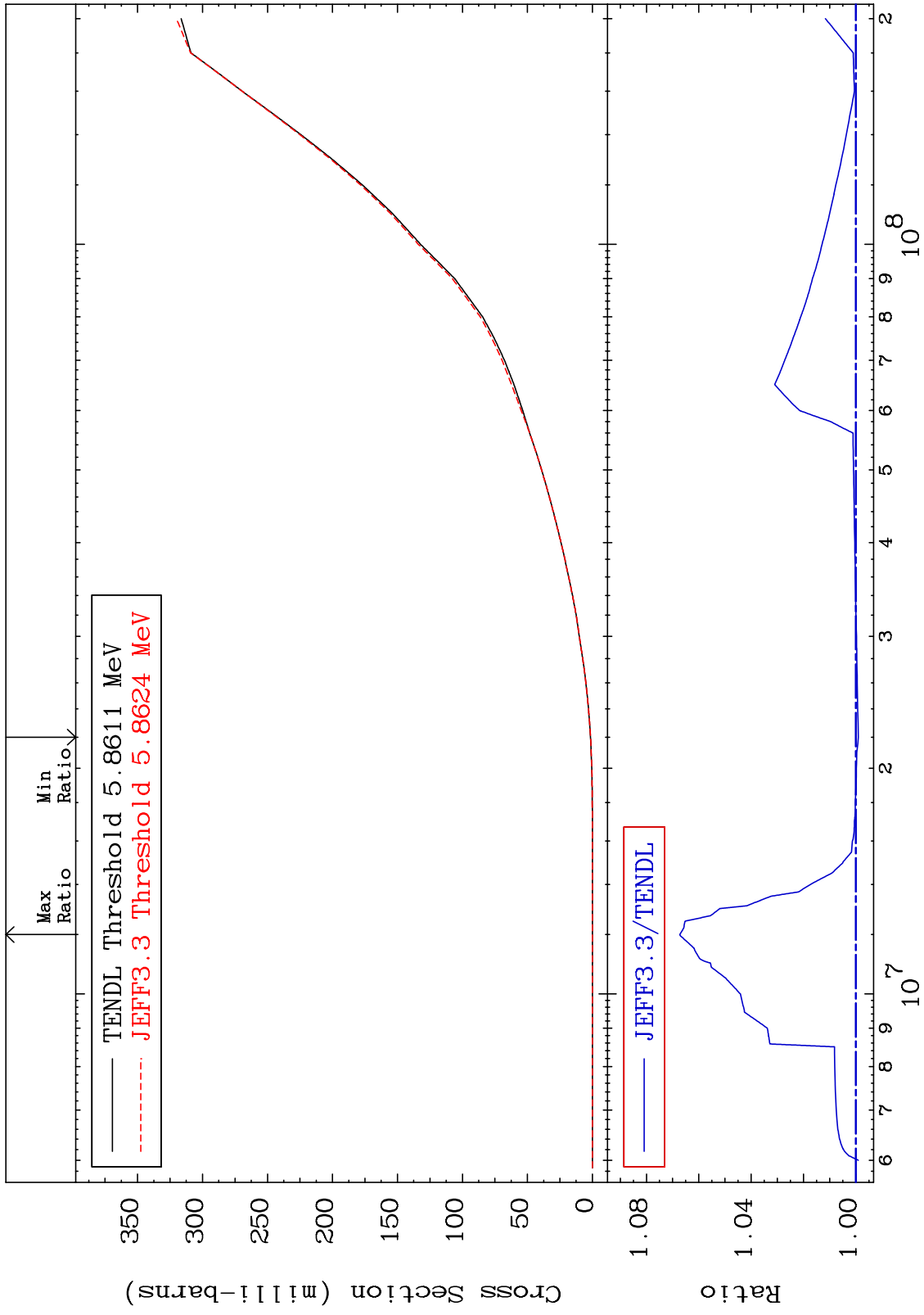
<sup>36</sup>Kr-78  
-40.52 To 91.85 %



MAT 3625

He-3 Production  
Cross Section

36-Kr-78  
-0.096 To 6.726 %



63

Incident Energy (eV)

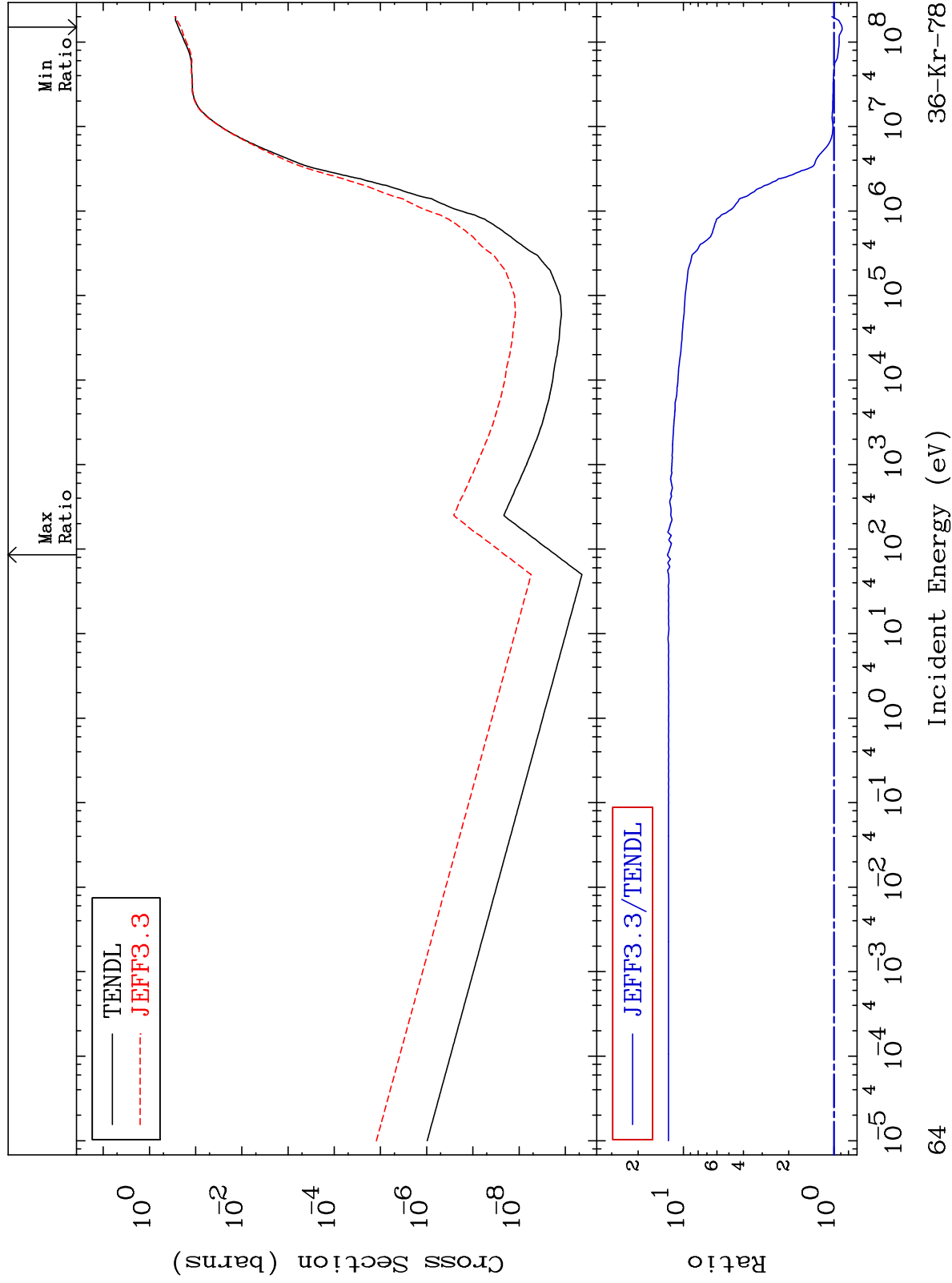
36-Kr-78



MAT 3625

He-4 Production  
Cross Section

36-Kr-78  
-11.73 To 1178. %



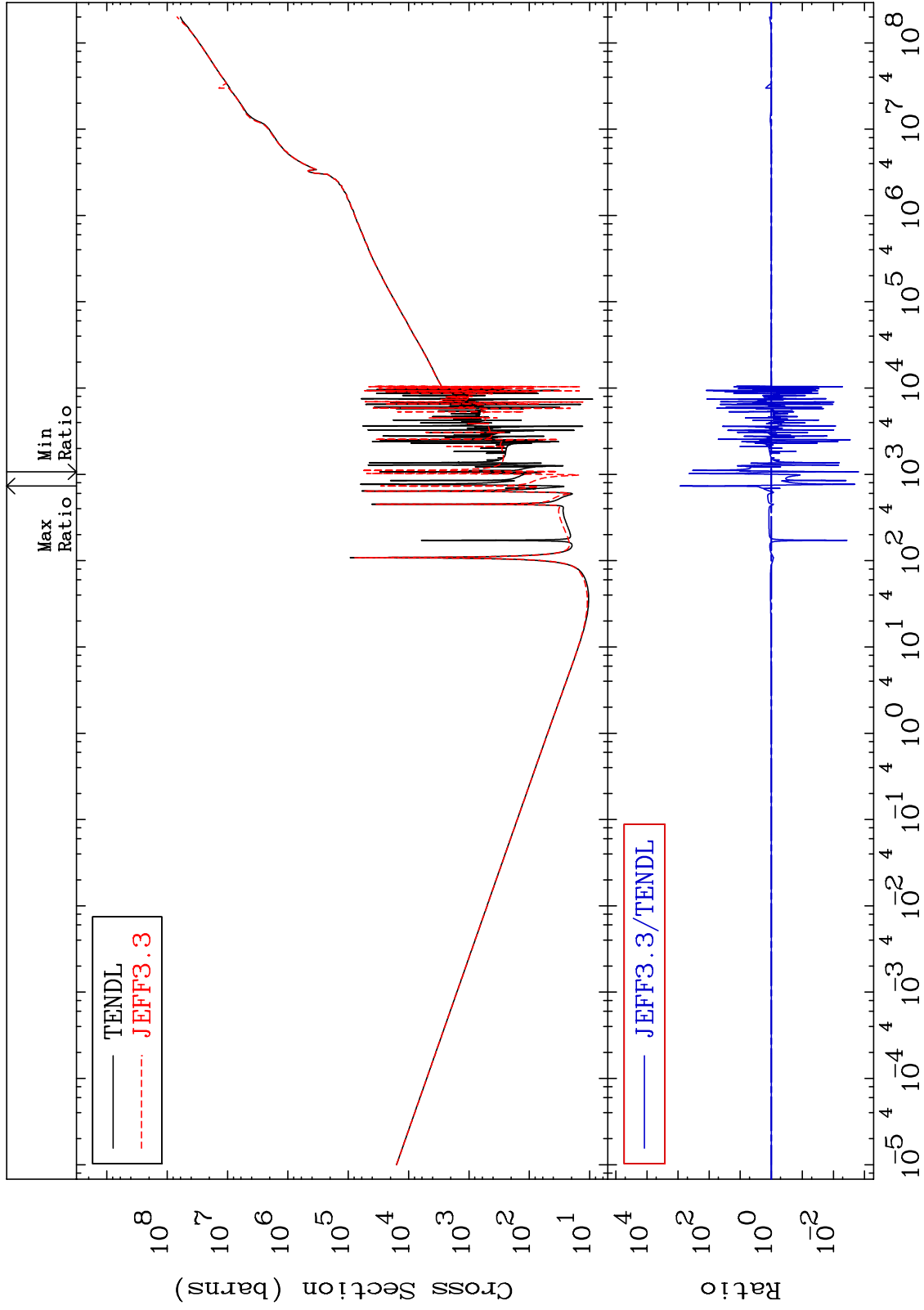
64

36-Kr-78

MAT 3625

Kerma total (eV-barns)  
Cross Section

36-Kr-78  
-99.84 To 9999. %



65

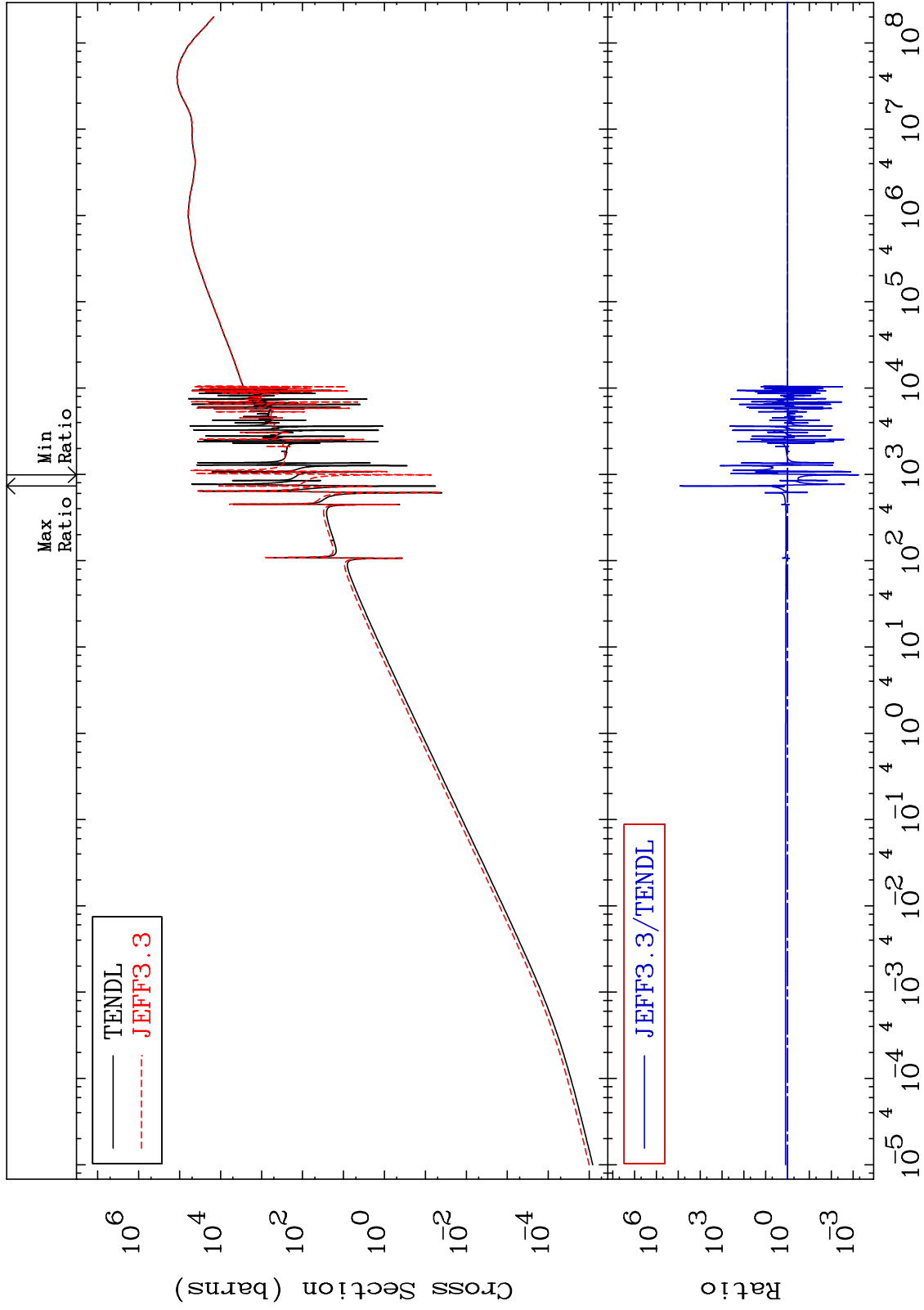
Incident Energy (eV)

36-Kr-78

MAT 3625

Kerma elastic  
Cross Section

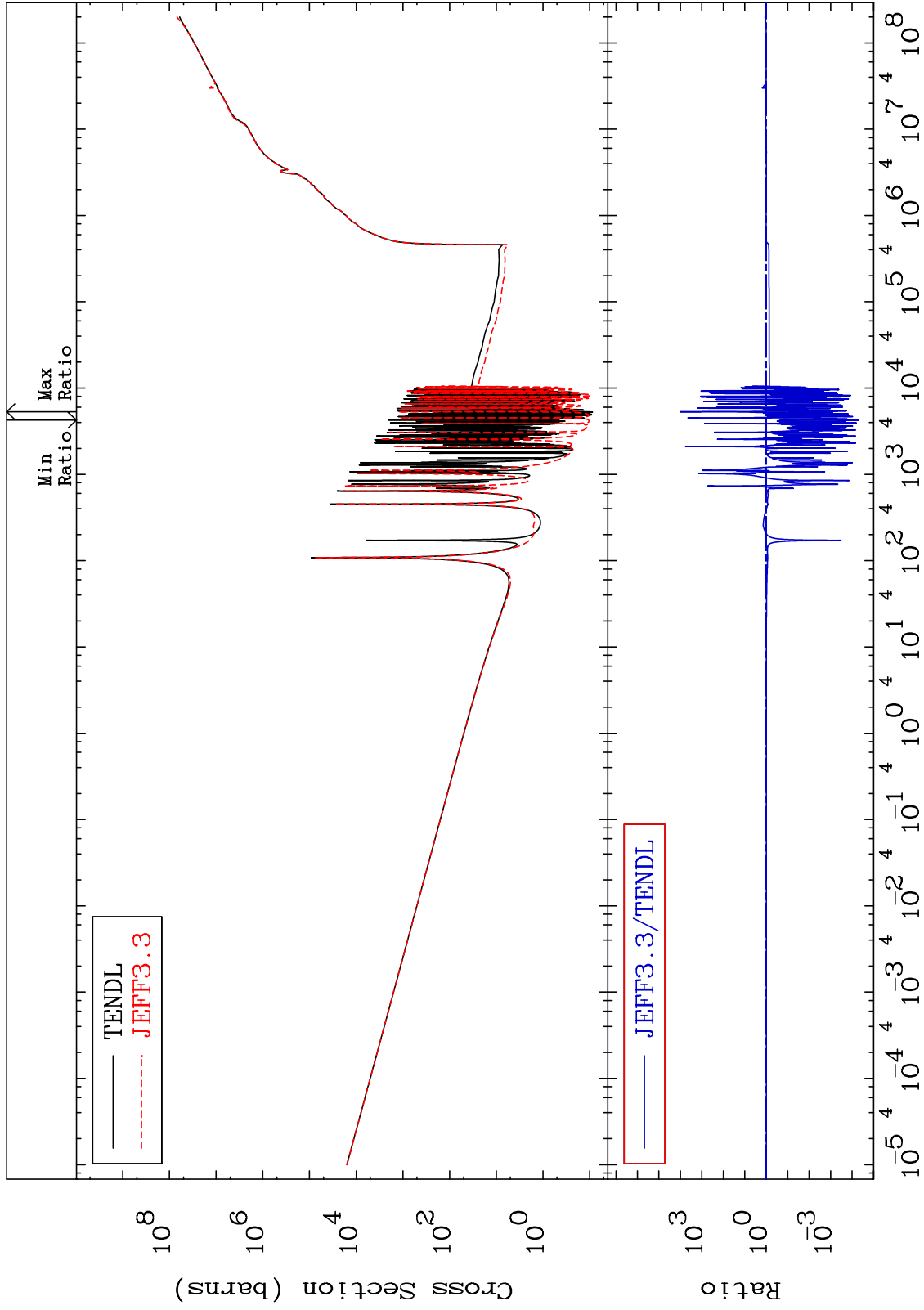
36-Kr-78  
-99.94 To 9999. %



MAT 3625

Kerma non-elastic (all but mt2)  
Cross Section

36-Kr-78  
-99.99 To 9999. %



67

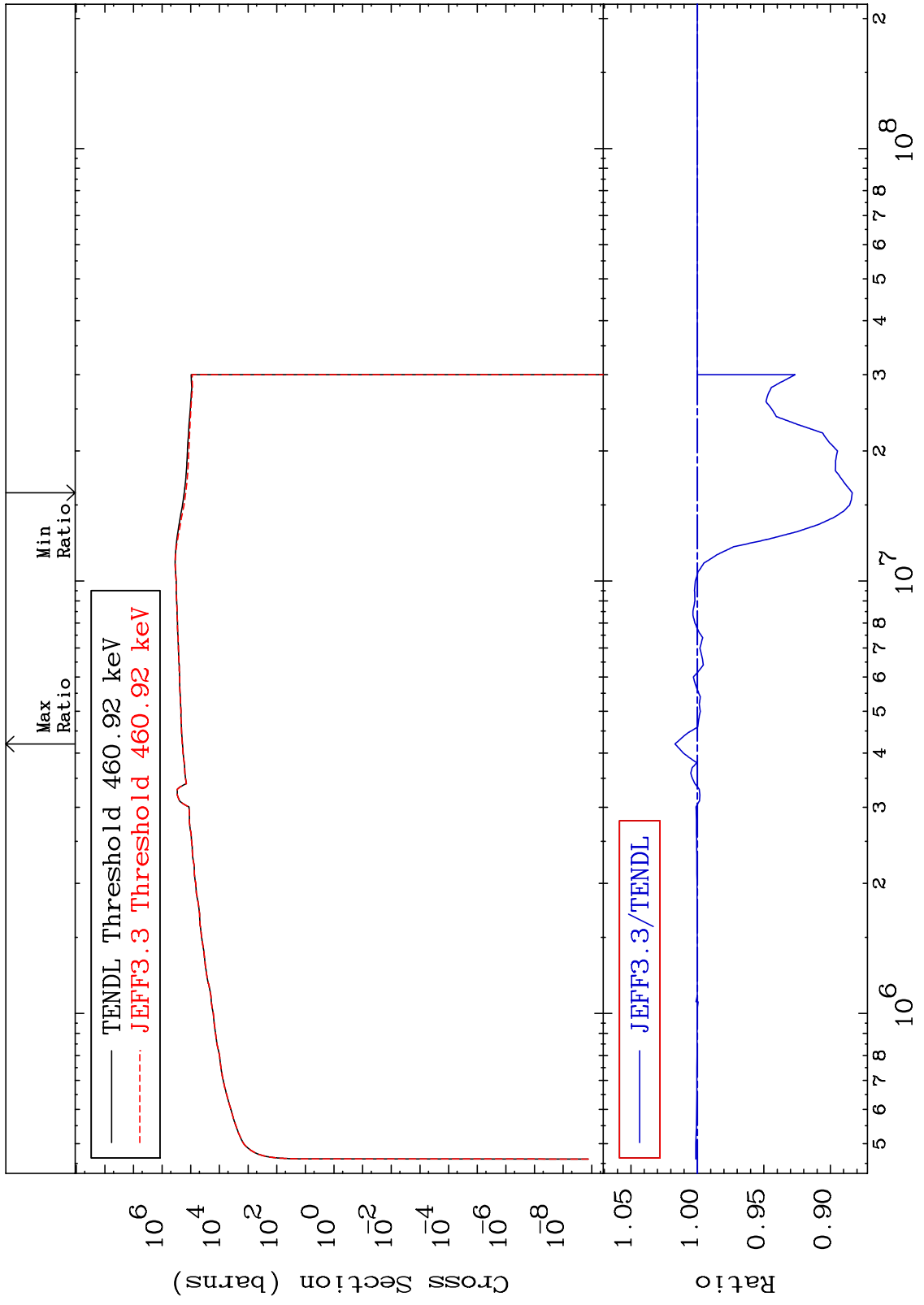
Incident Energy (eV)

36-Kr-78

MAT 3625

Kerma inelastic (mt51-91)  
Cross Section

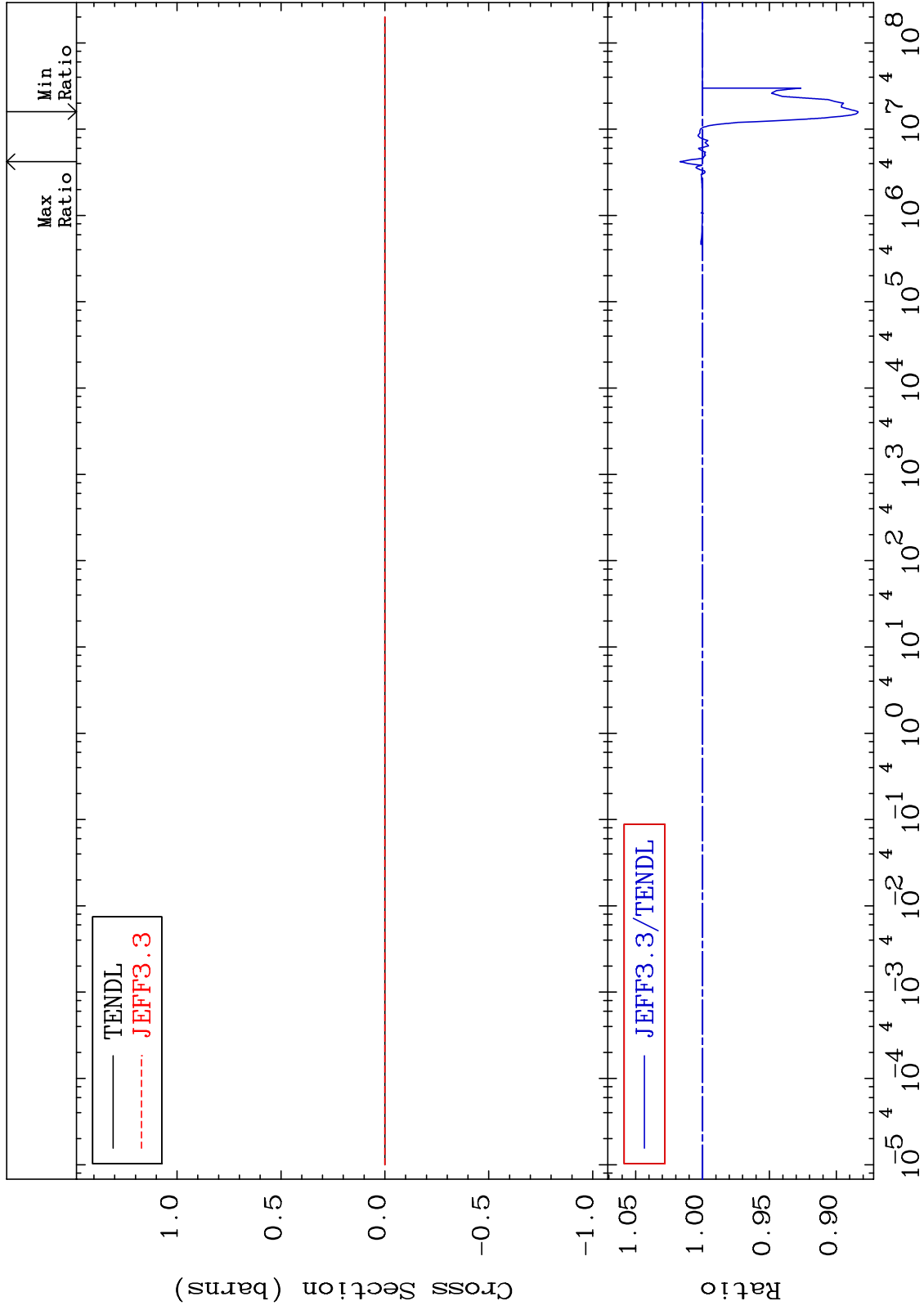
36-Kr-78  
-11.65 To 1.681 %



MAT 3625

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

36-Kr-78  
-11.65 To 1.681 %



69

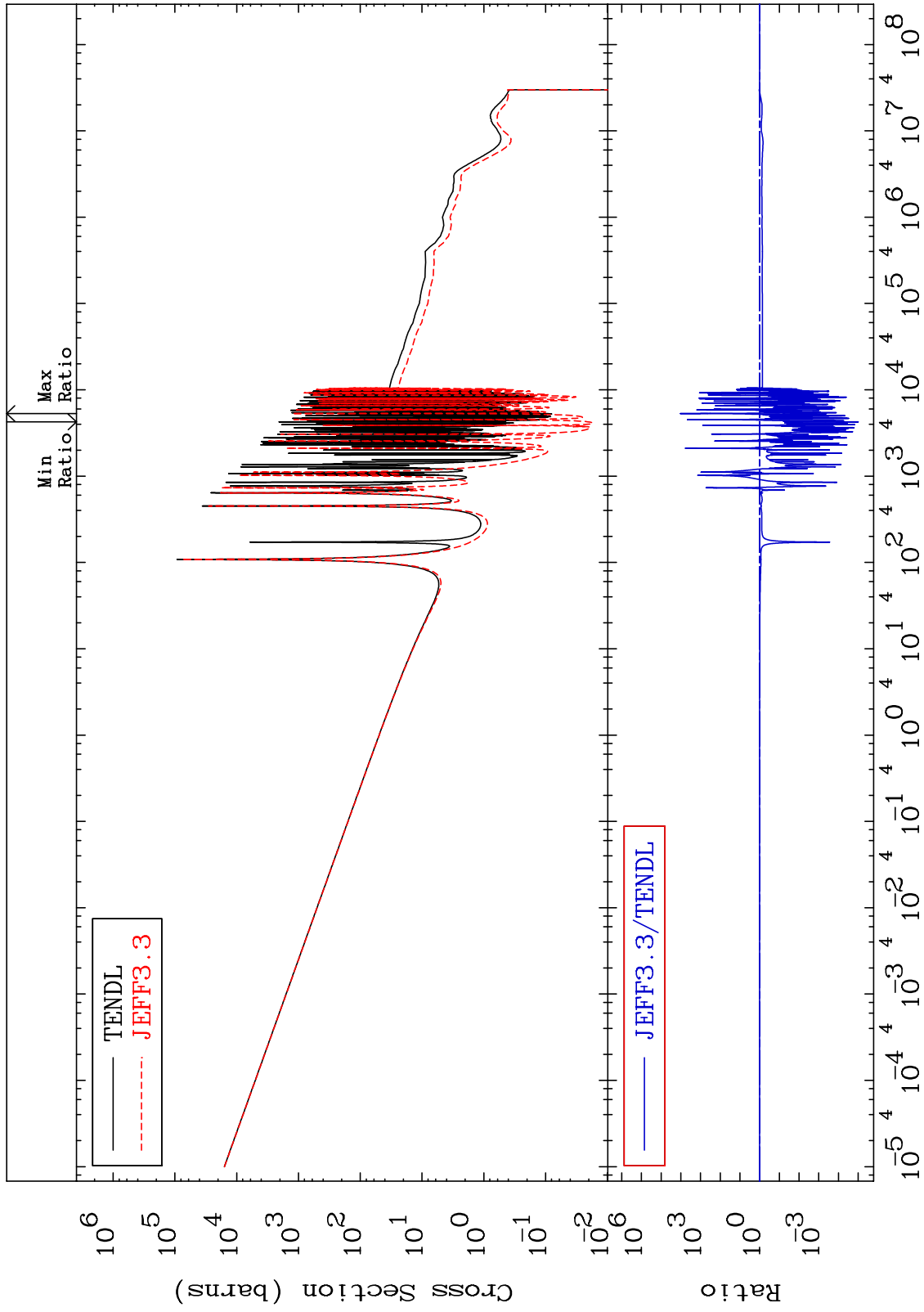
36-Kr-78

36-Kr-78

MAT 3625

Kerma capture (mt102)  
Cross Section

36-Kr-78  
-100.0 To 9999. %



70

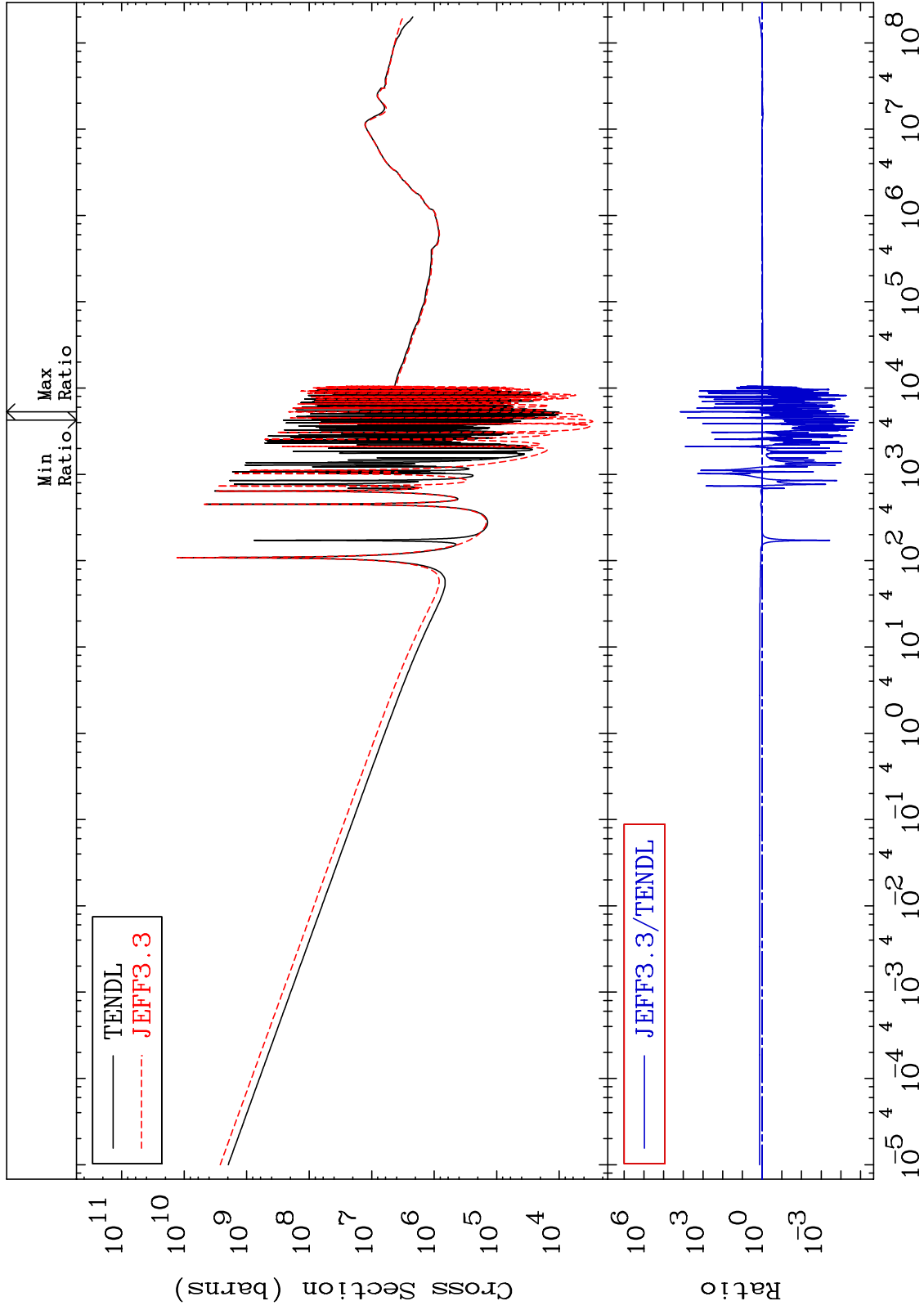
Incident Energy (eV)

36-Kr-78

MAT 3625

Total photon (eV-barns)  
Cross Section

36-Kr-78  
-100.0 To 9999. %



71

Incident Energy (eV)

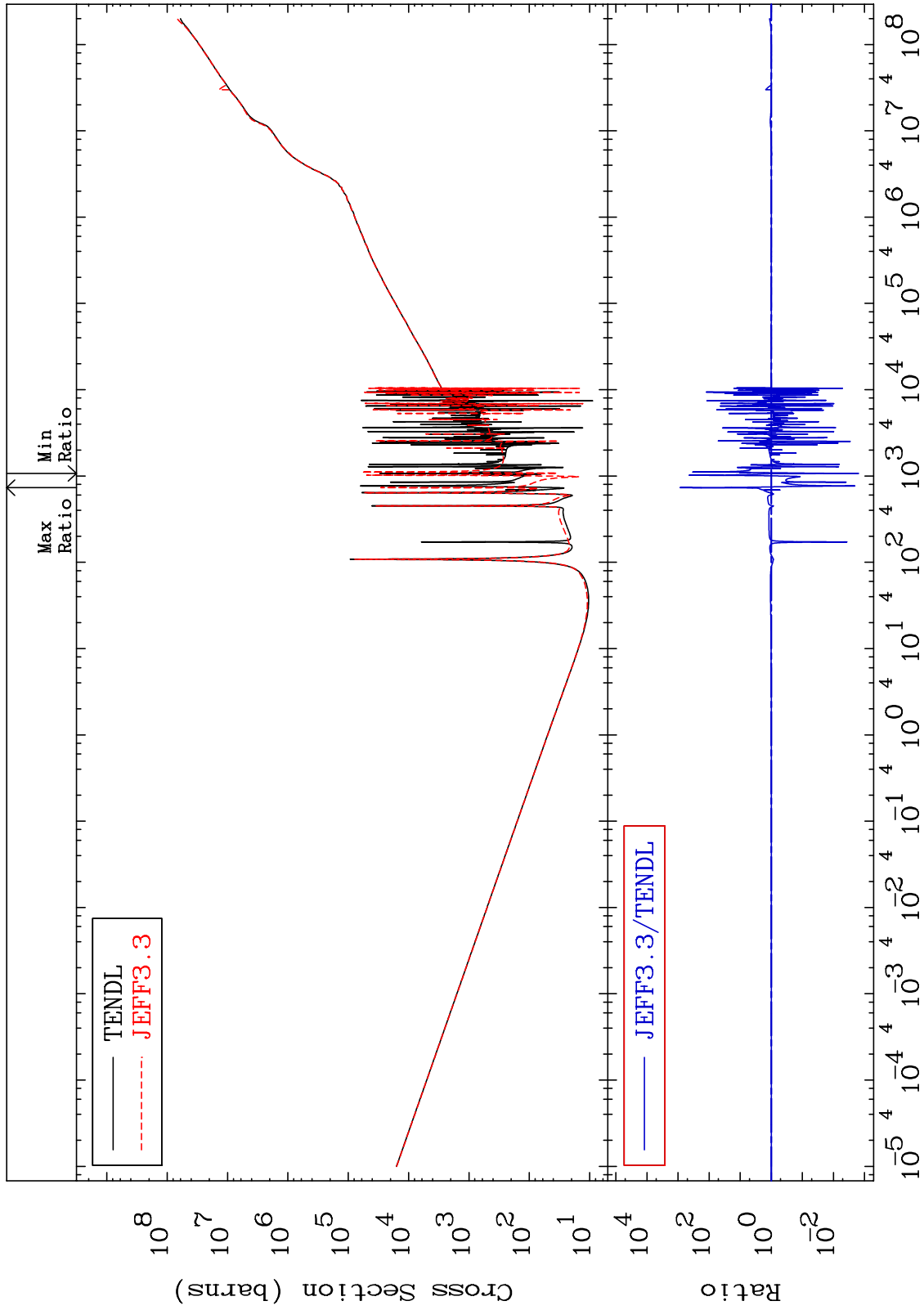
36-Kr-78



MAT 3625

Total kinematic kerma (high limit)  
Cross Section

36-Kr-78  
-99.84 To 9999. %



72

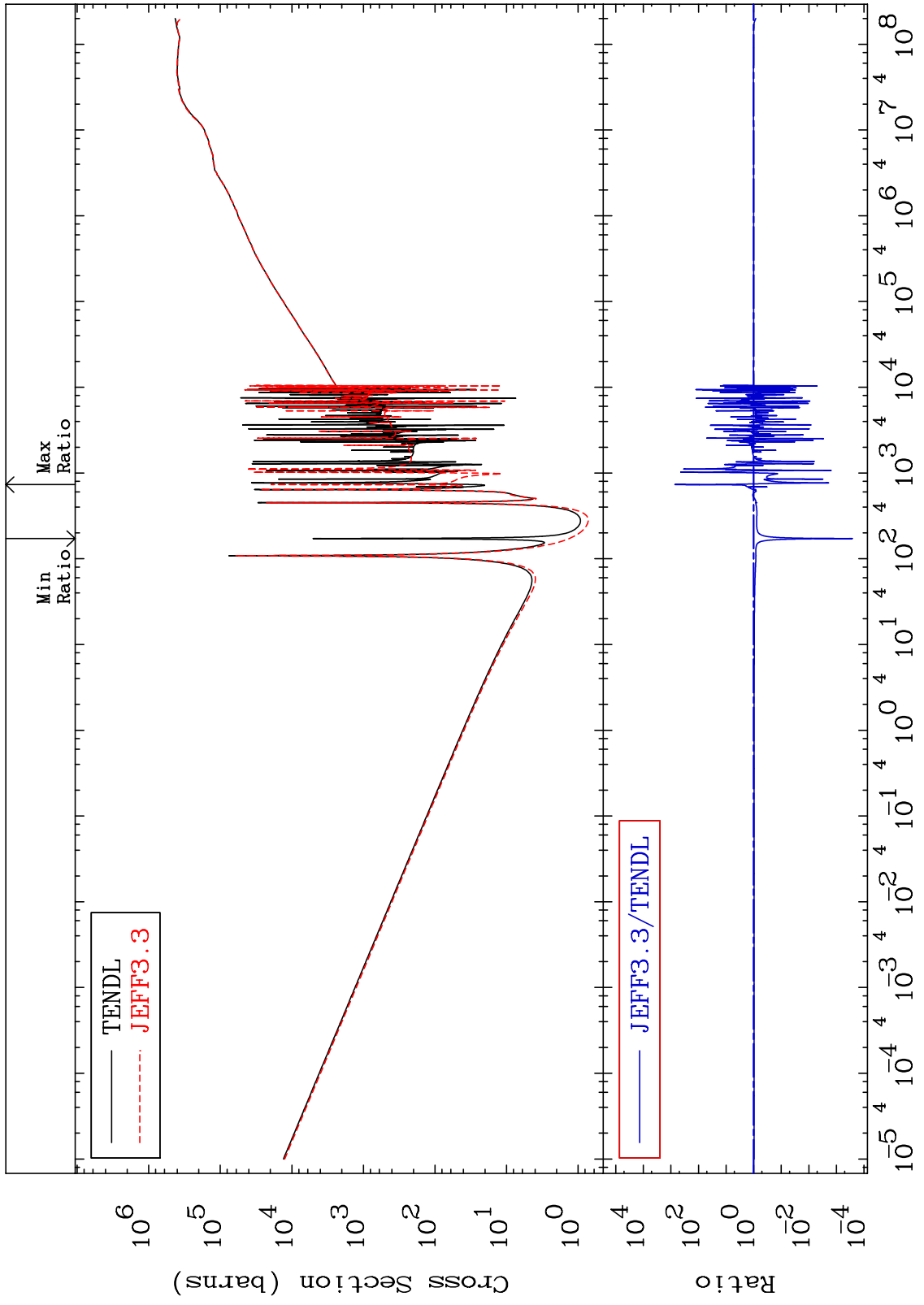
Incident Energy (eV)

36-Kr-78

MAT 3625

Dpa total (eV-barns)  
Cross Section

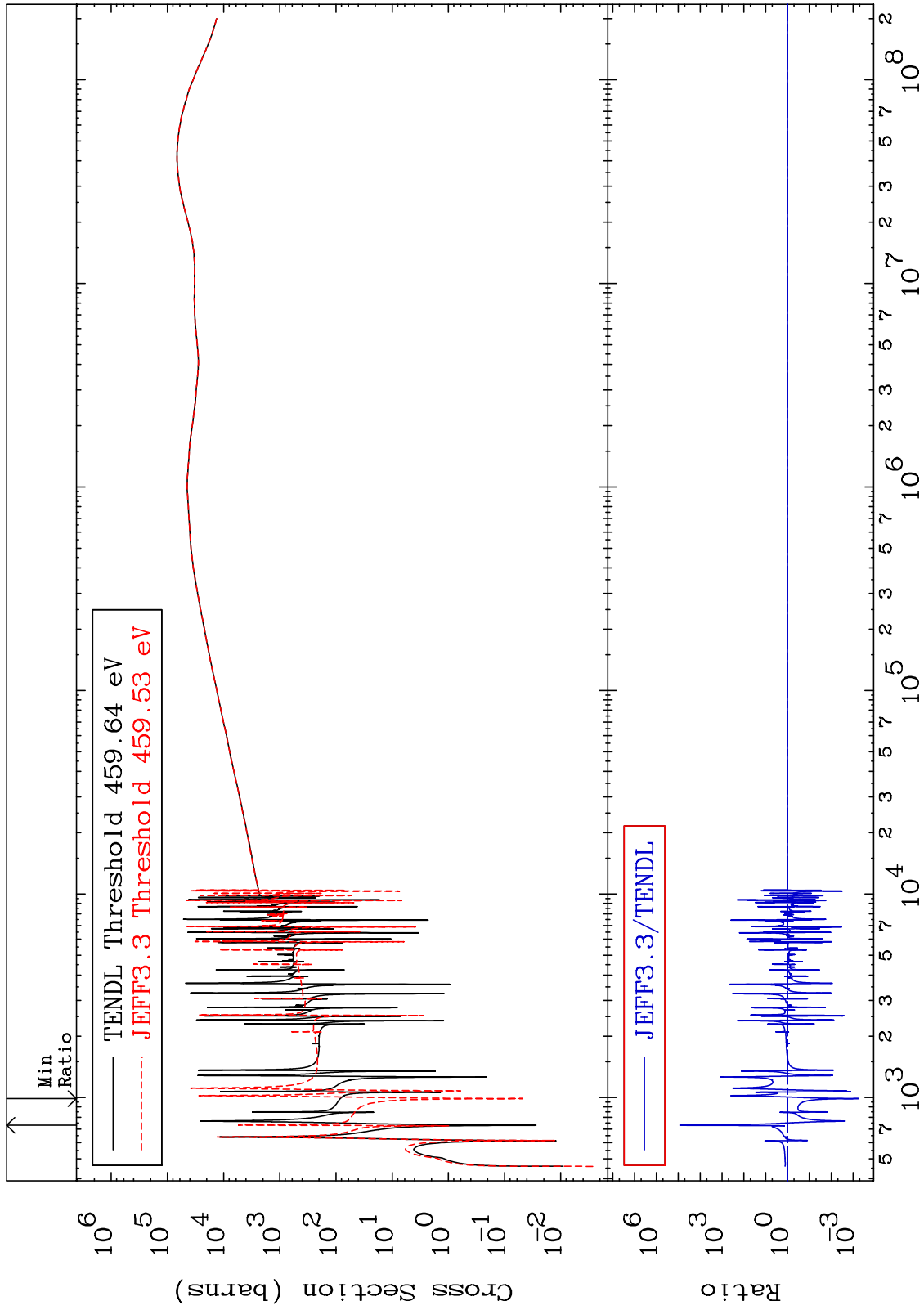
36-Kr-78  
-99.97 To 9999. %



MAT 3625

Dpa elastic (mt2)  
Cross Section

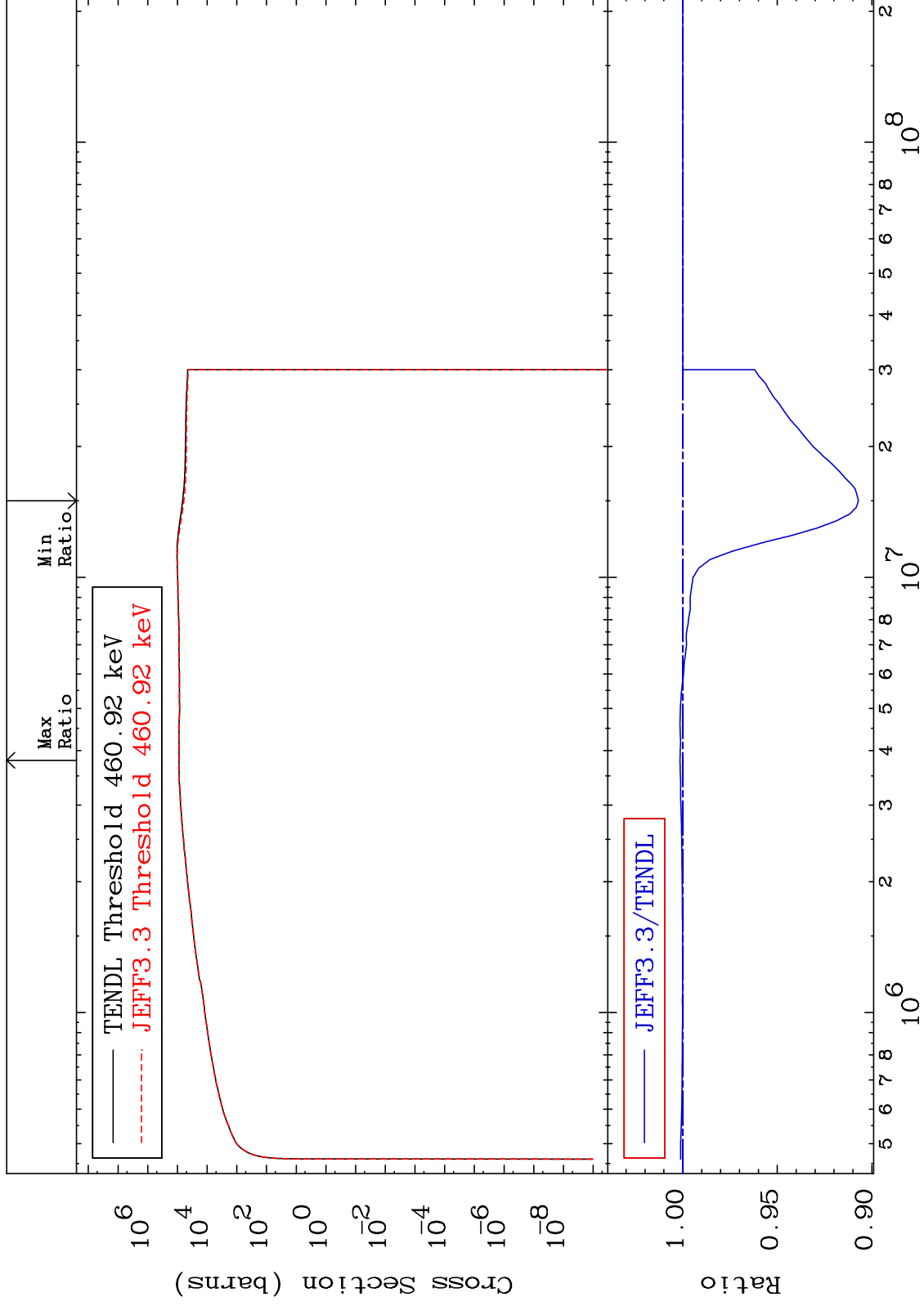
36-Kr-78  
-99.94 To 9999. %



MAT 3625

Dpa inelastic (mt51-91)  
Cross Section

36-Kr-78  
-9.291 To 0.146 %



75

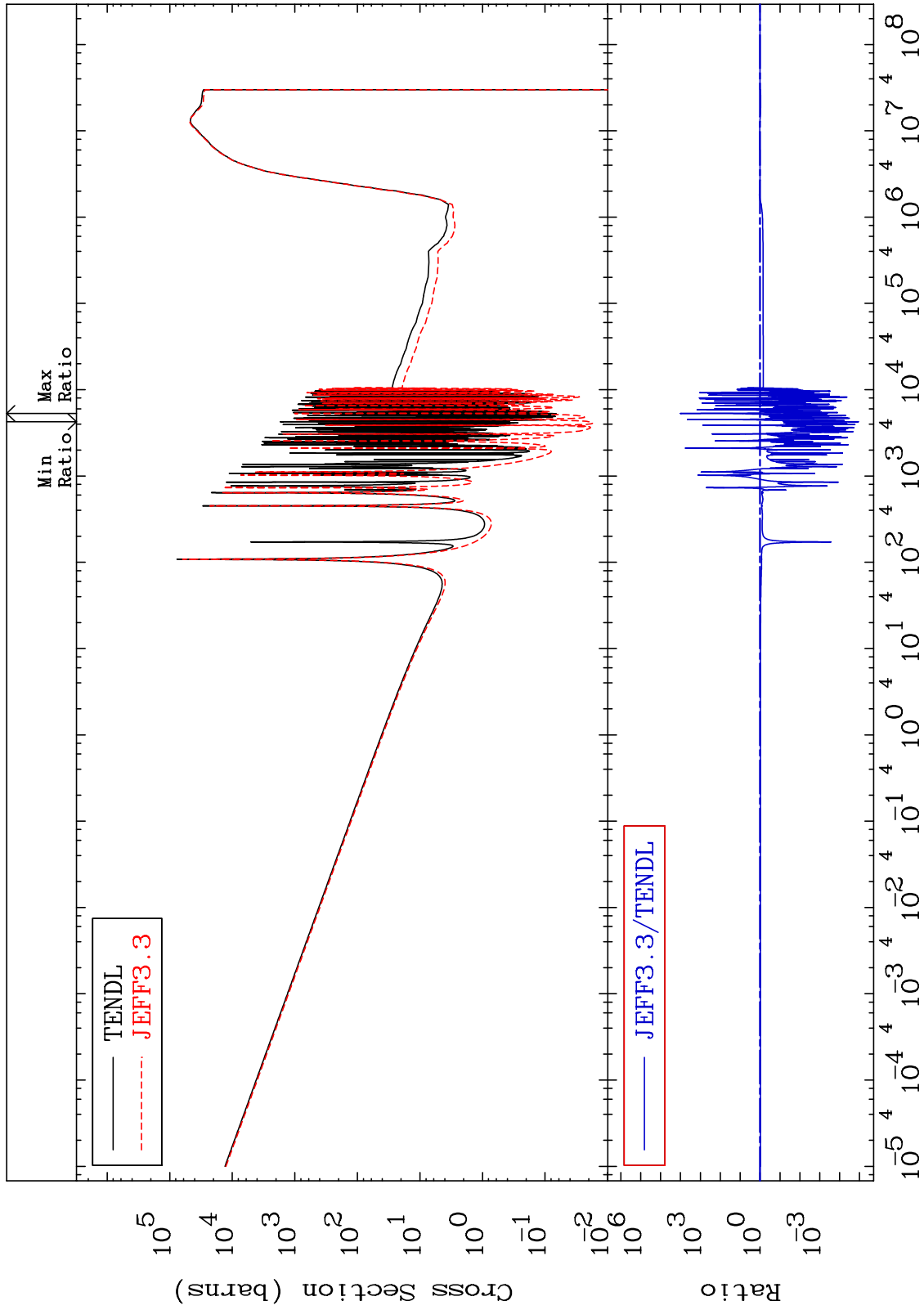
Incident Energy (eV)

36-Kr-78

MAT 3625

Dpa disappearance (mt102 -120)  
Cross Section

36-Kr-78  
-100.0 To 9999. %



76

Incident Energy (eV)

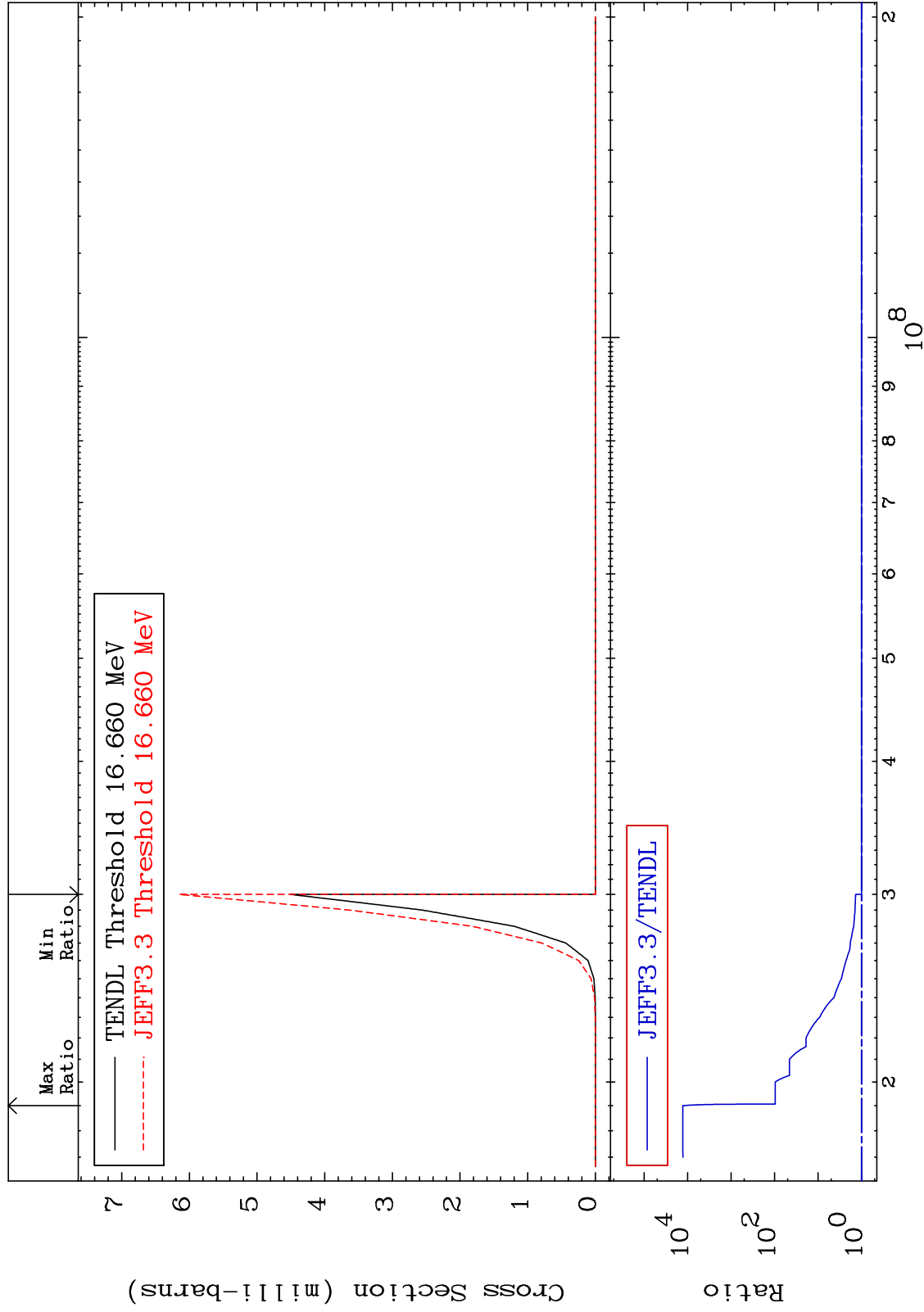
36-Kr-78

MAT 3625

(n,2n)  $\alpha$ :34-Se-73g

36-Kr-78

Radionuclide Production Cross Section 0.000 To 9999. %

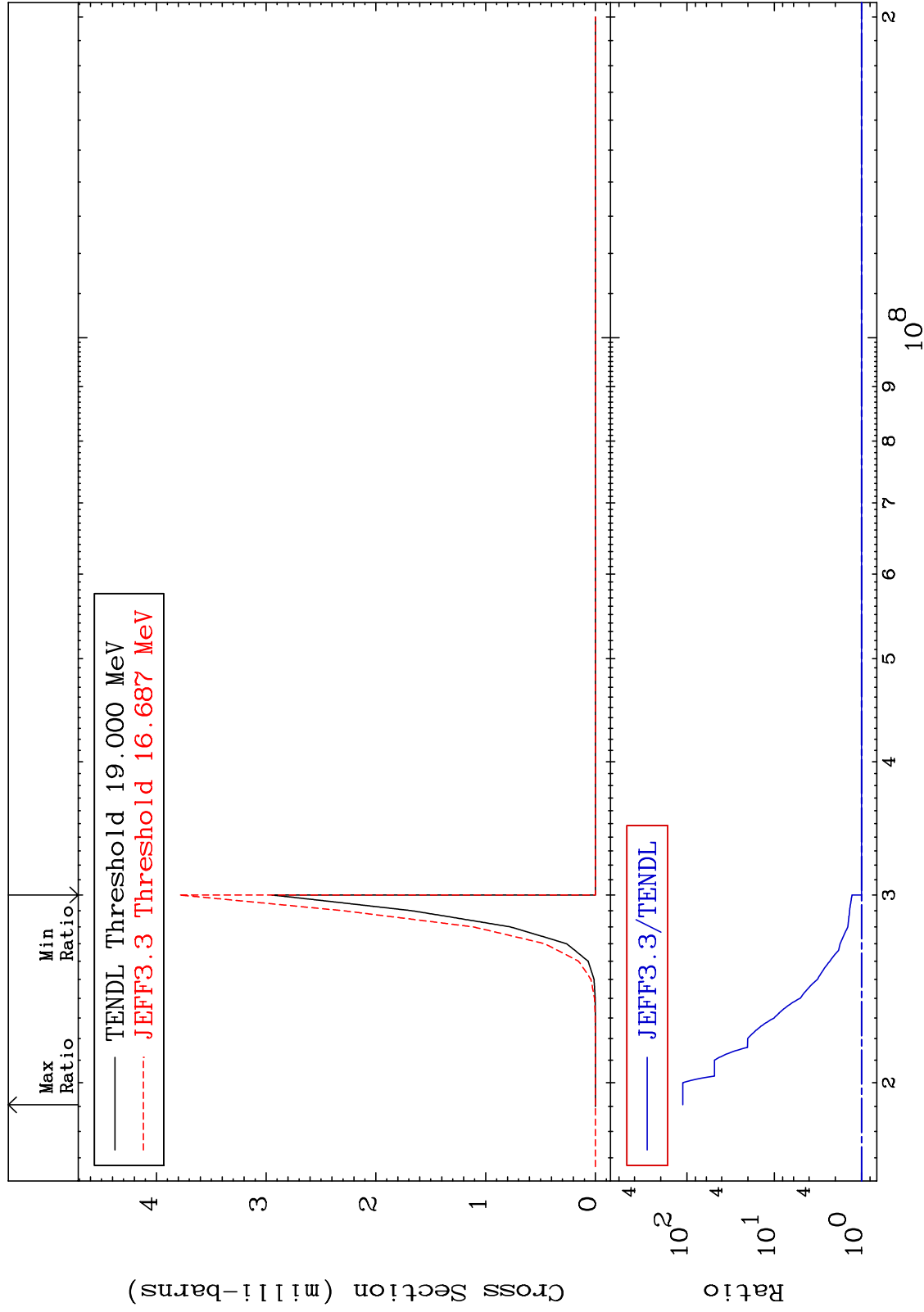


MAT 3625

(n,2n)  $\alpha$ :34-Se-73m1

36-Kr-78

Radionuclide Production Cross Section 0.000 To 9999. %



78

Incident Energy (eV)

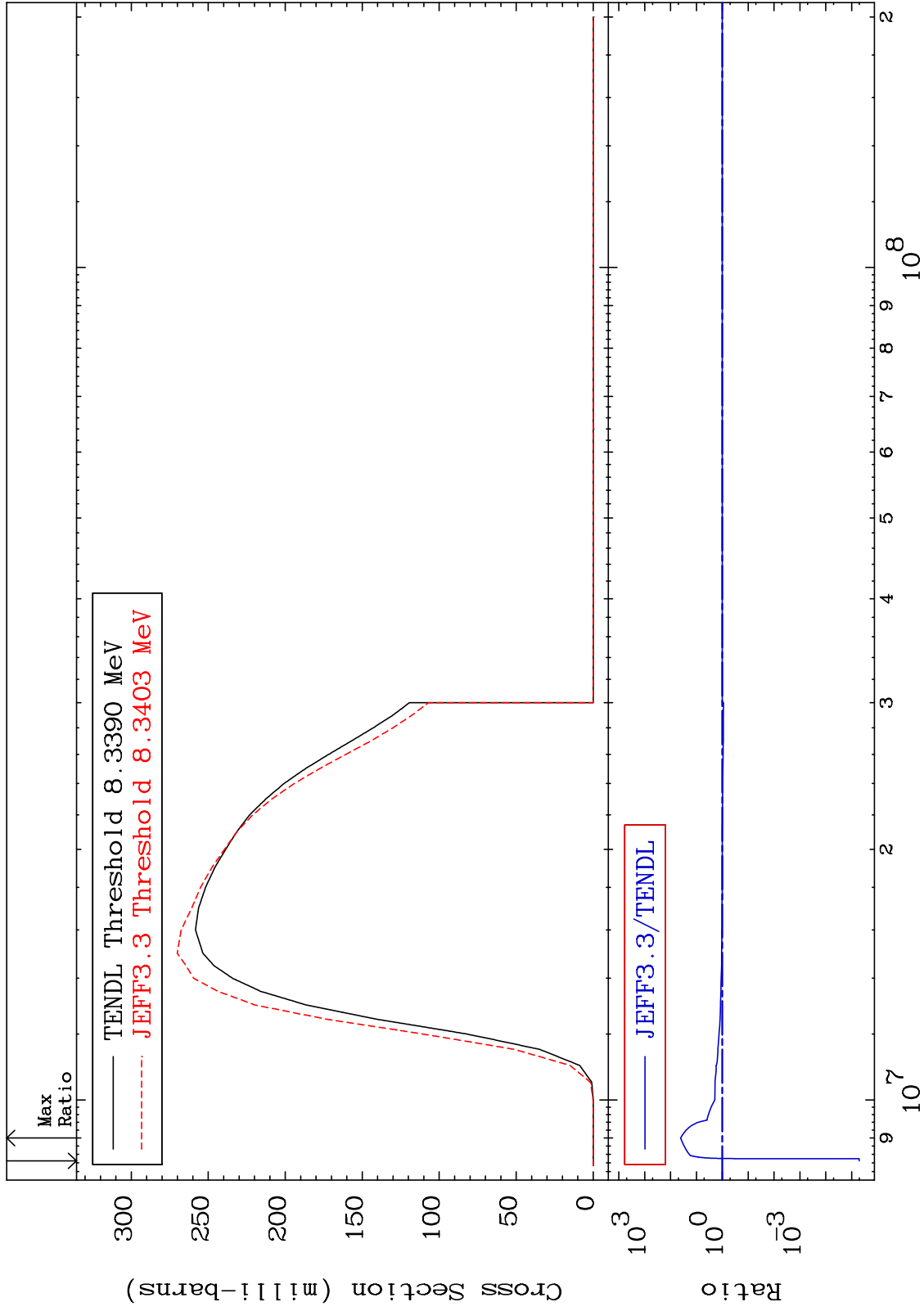
36-Kr-78

MAT 3625

(n, n') p:35-Br-77g

36-Kr-78

Radionuclide Production Cross Section -100.0 To 3992. %



79

Incident Energy (eV)

36-Kr-78

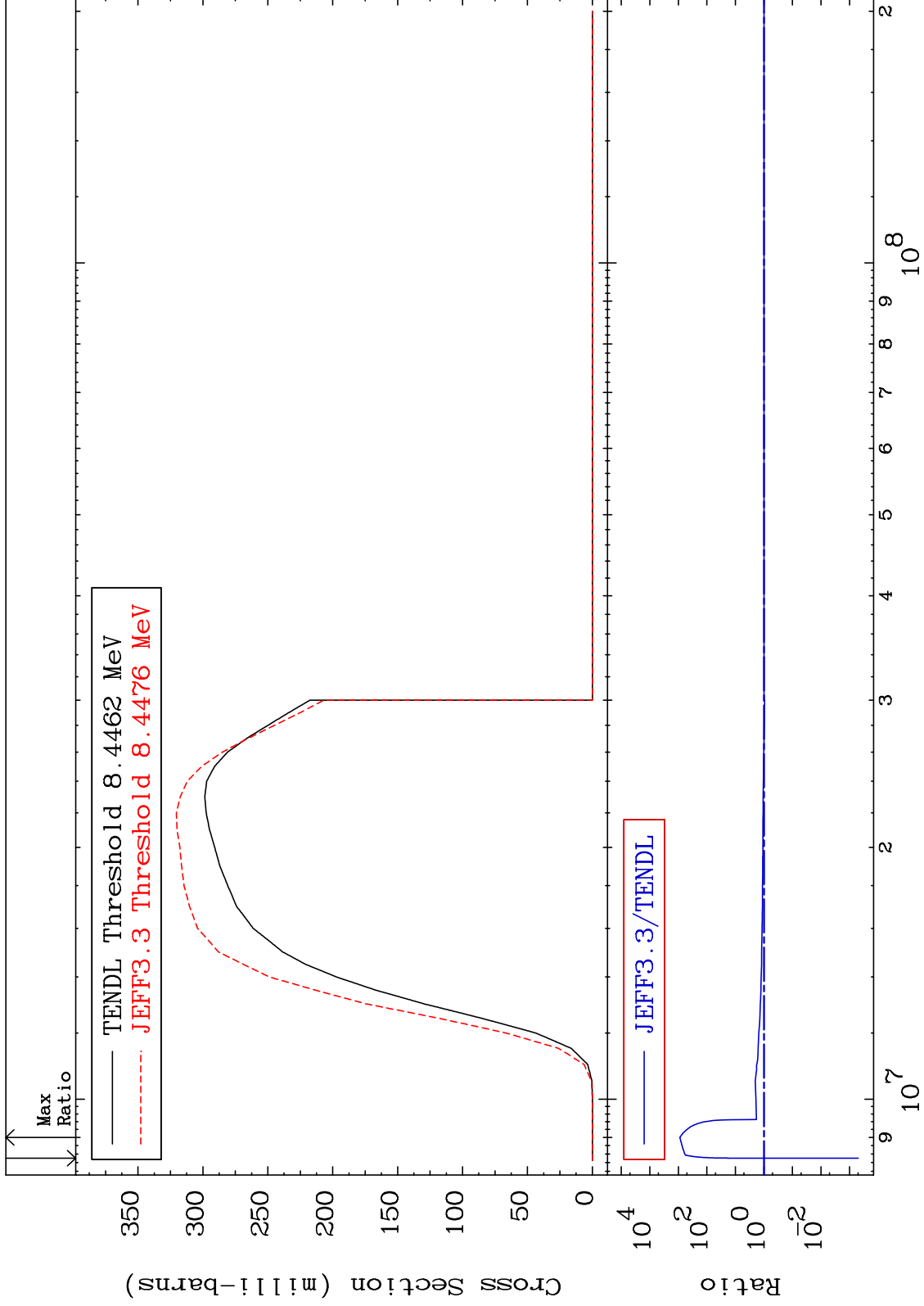


MAT 3625

(n, n') p:35-Br-77m1

36-Kr-78

Radionuclide Production Cross Section -99.95 To 9999. %



80

Incident Energy (eV)

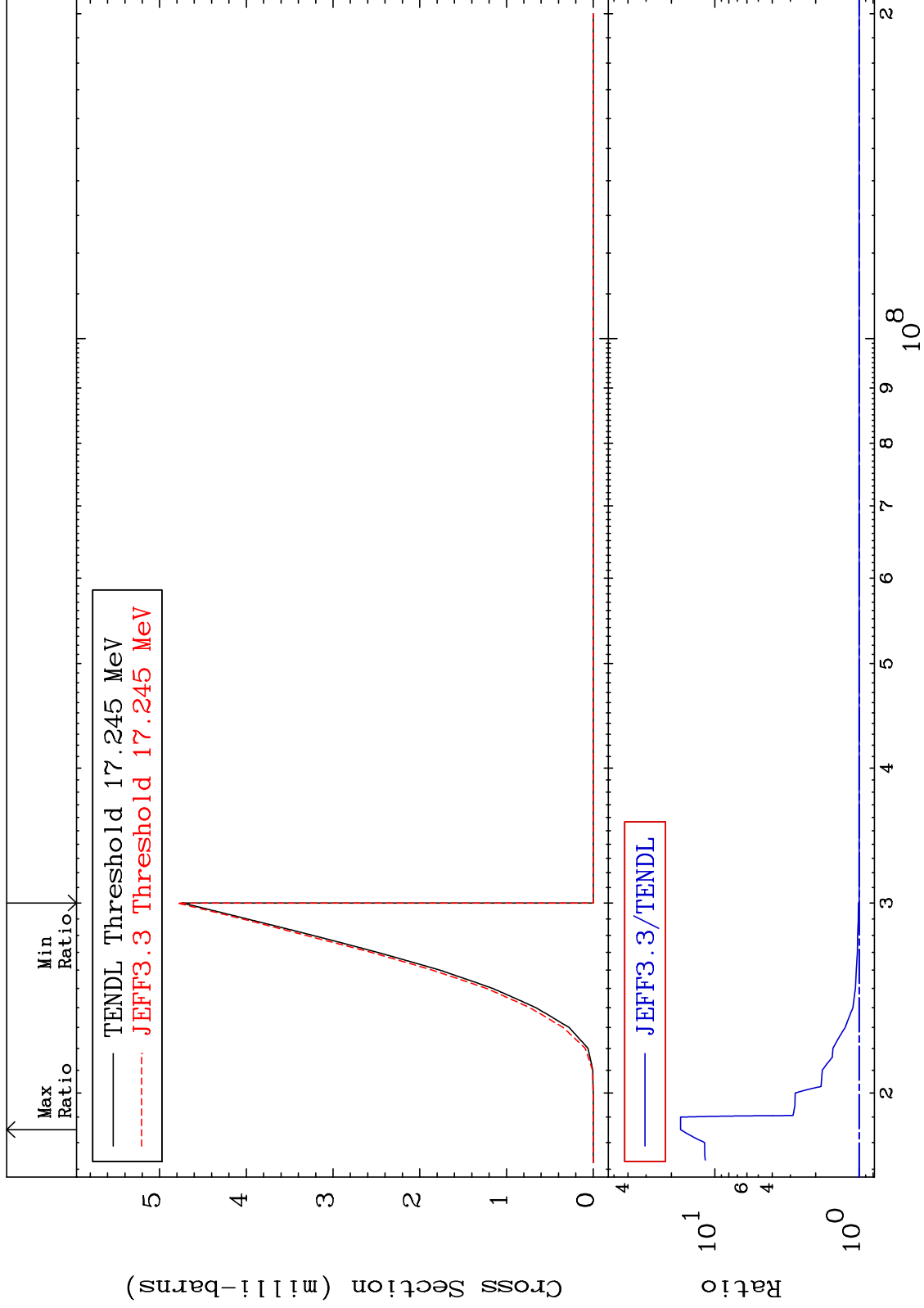
36-Kr-78

MAT 3625

(n, n') d:35-Br-76g

36-Kr-78

Radionuclide Production Cross Section 0.000 To 1627. %

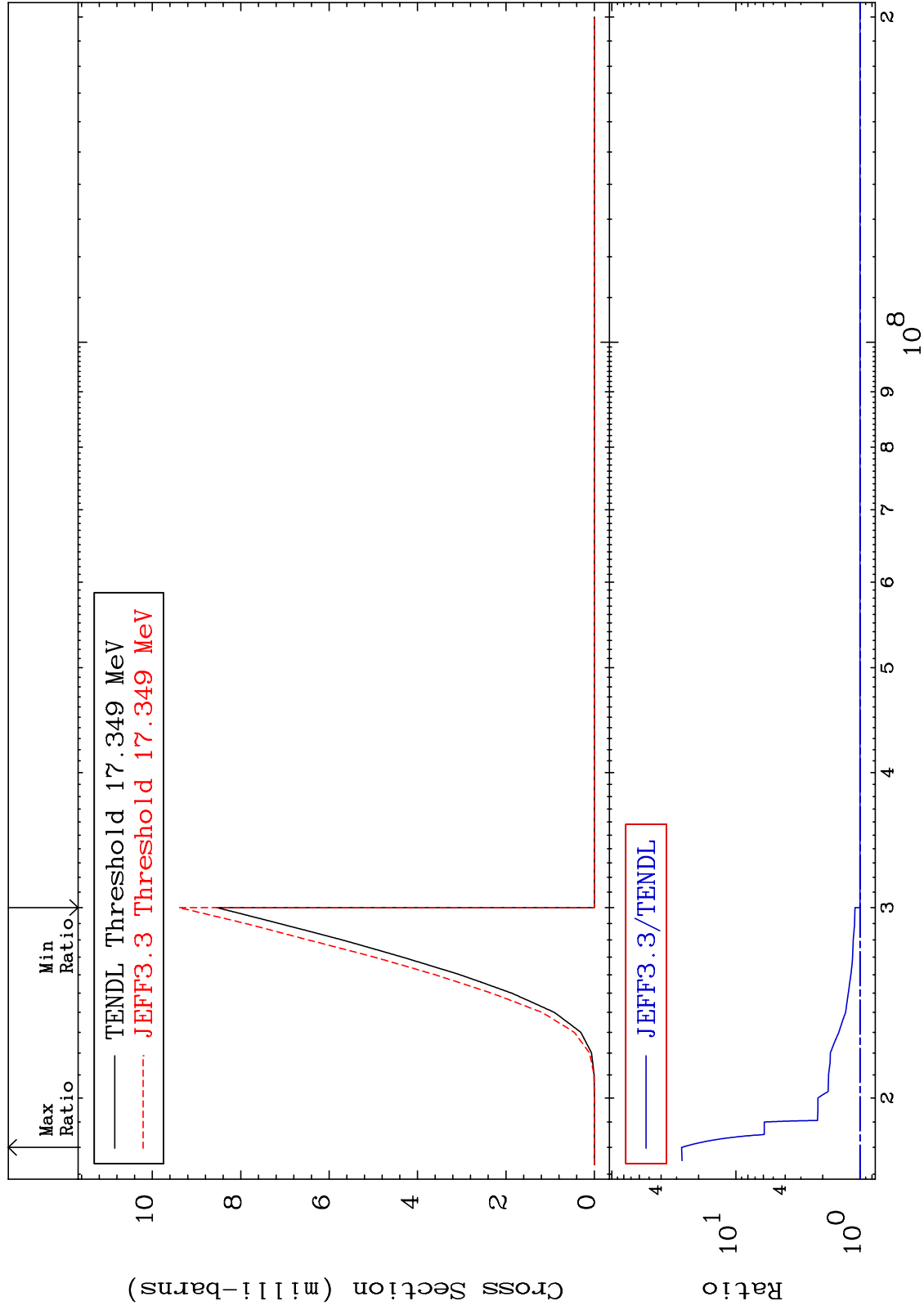


MAT 3625

(n, n') d:35-Br-76m2

36-Kr-78

Radionuclide Production Cross Section 0.000 To 2633. %



82

Incident Energy (eV)

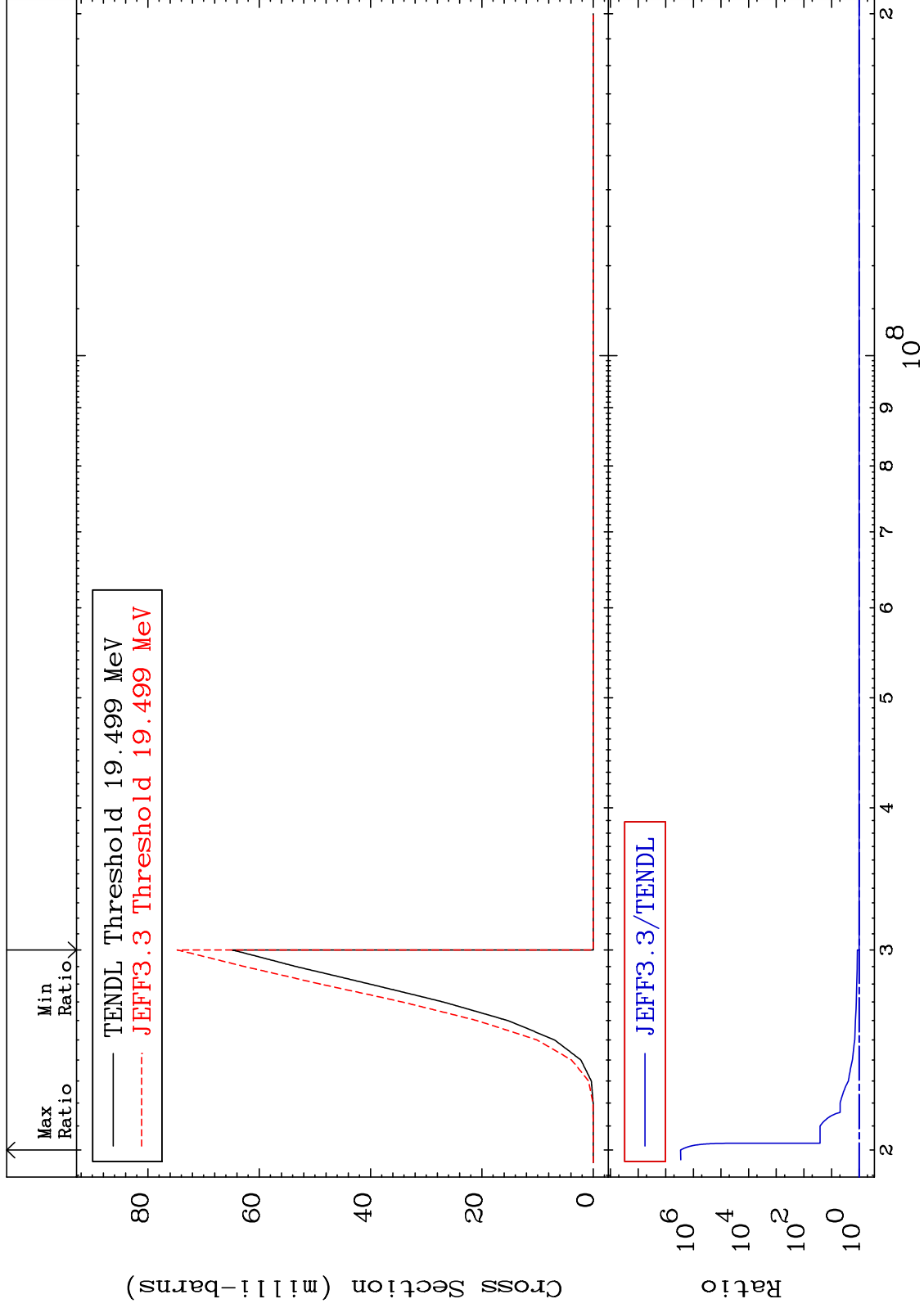
36-Kr-78

MAT 3625

(n,2n) p:35-Br-76g

36-Kr-78

Radionuclide Production Cross Section 0.000 To 9999. %

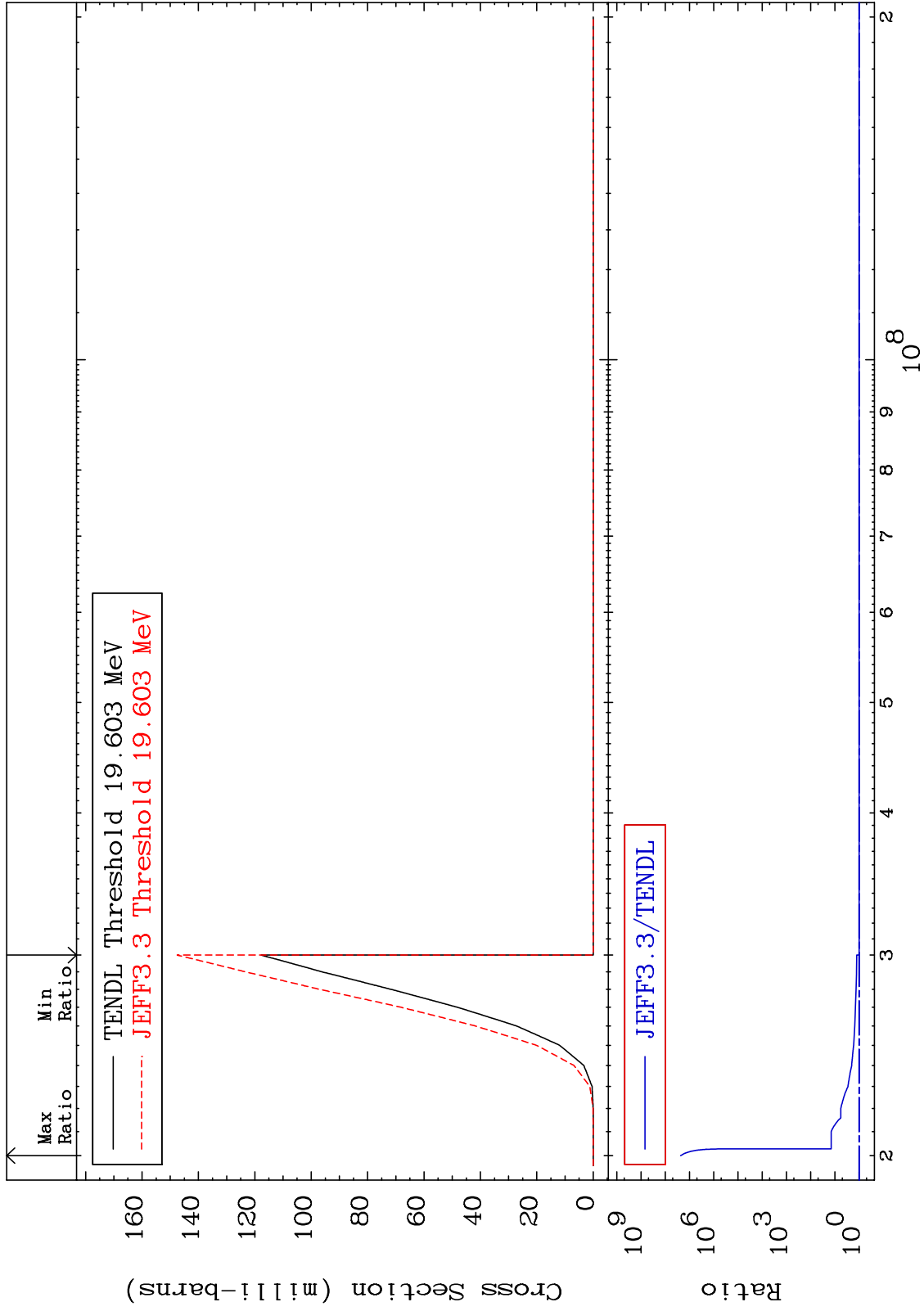


MAT 3625

(n,2n) p:35-Br-76m2

36-Kr-78

Radionuclide Production Cross Section 0.000 To 9999. %

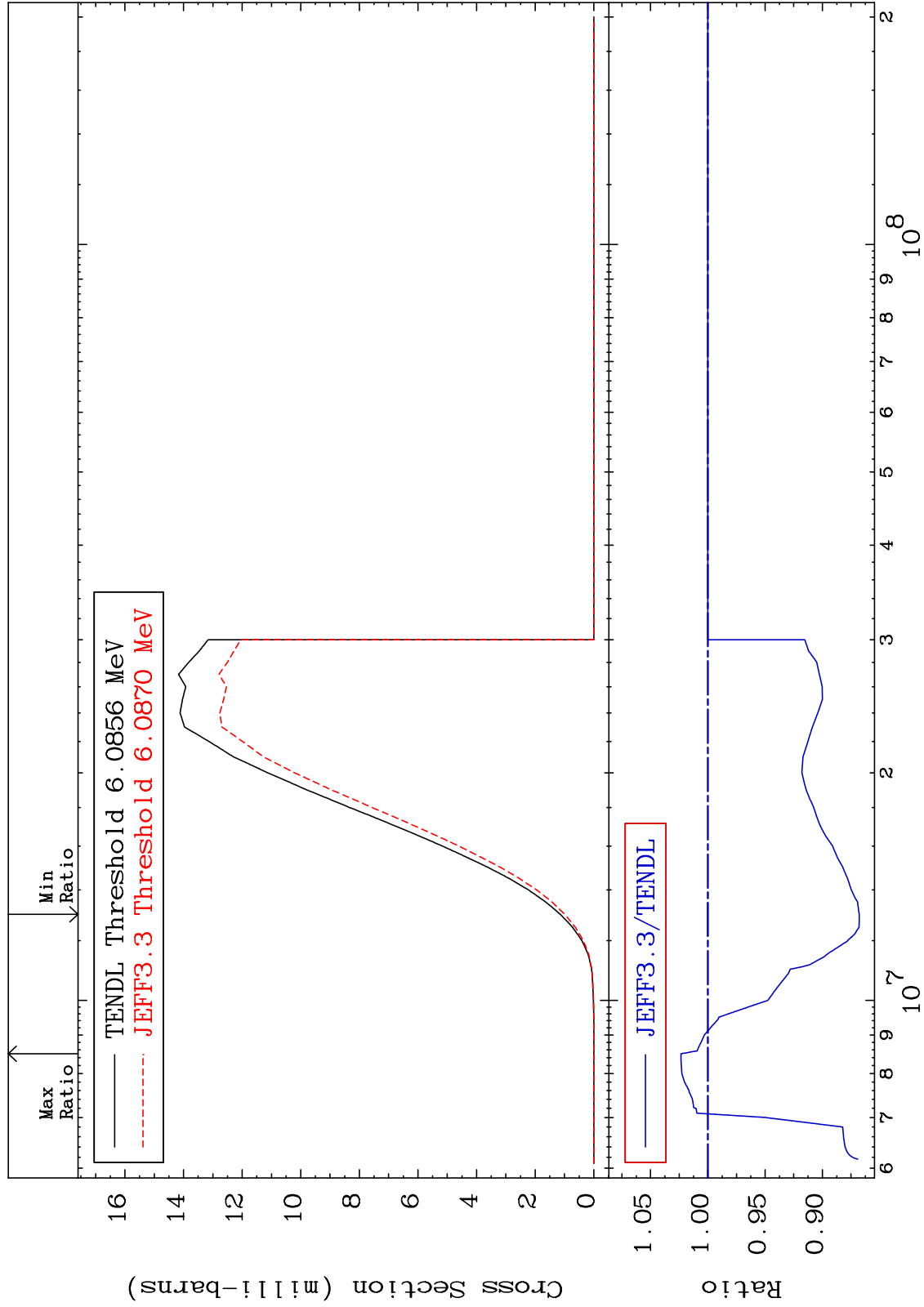


MAT 3625

(n, d) : 35-Br-77g

36-Kr-78

Radionuclide Production Cross Section -13.22 To 2.338 %



85

Incident Energy (eV)

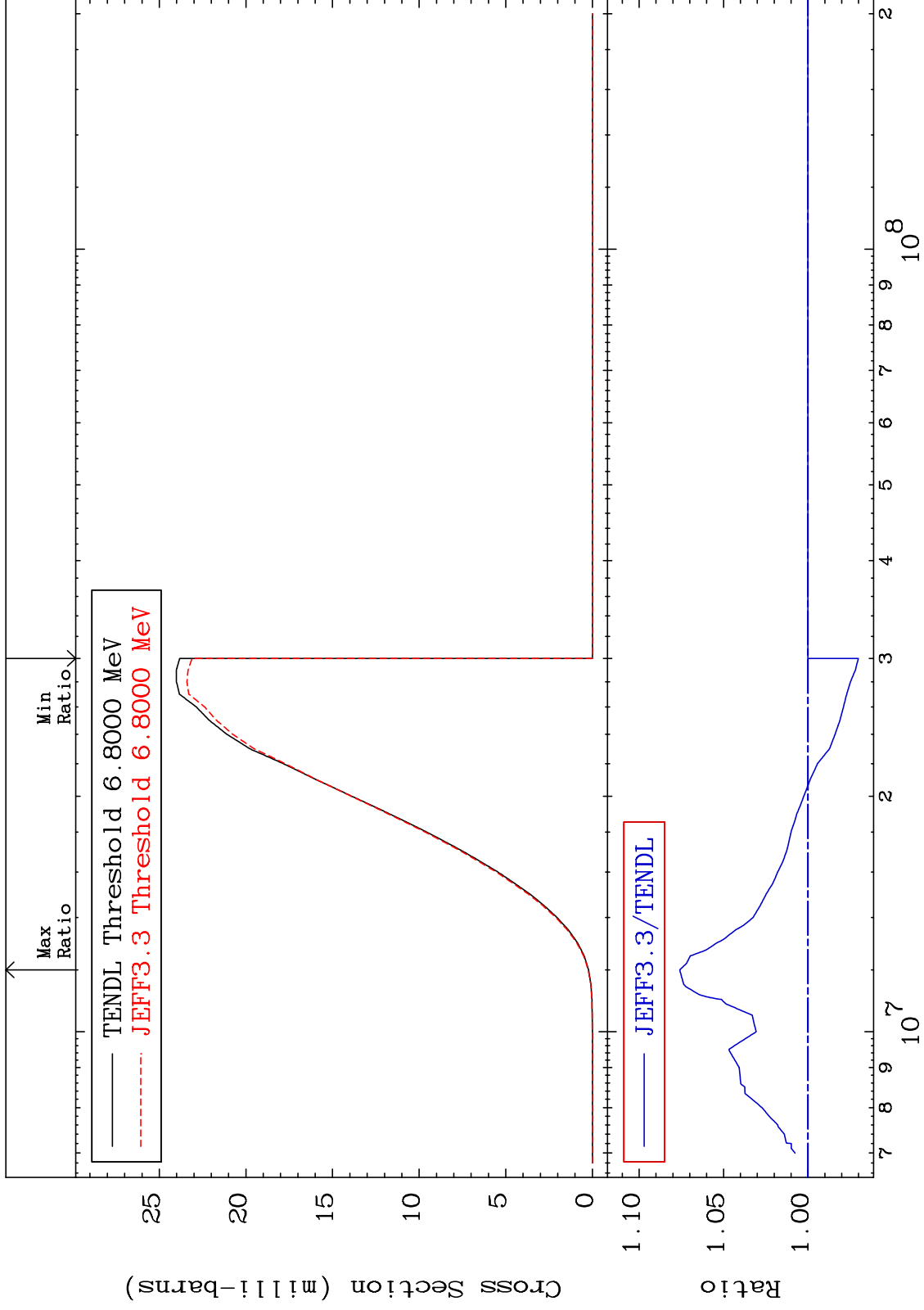
36-Kr-78

MAT 3625

(n, d): 35-Br-77m1

36-Kr-78

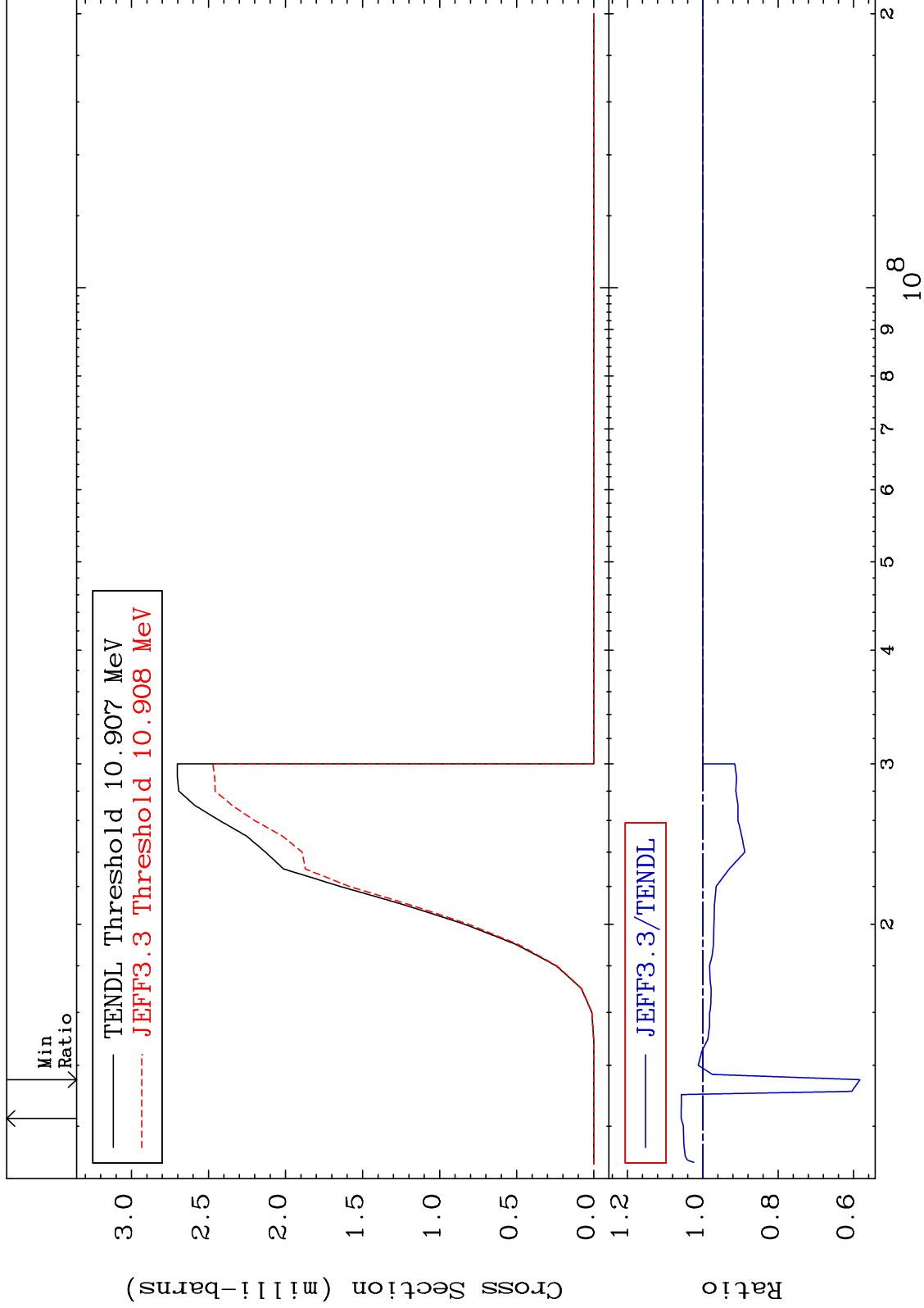
Radionuclide Production Cross Section -2.984 To 7.592 %



86

Incident Energy (eV)

36-Kr-78



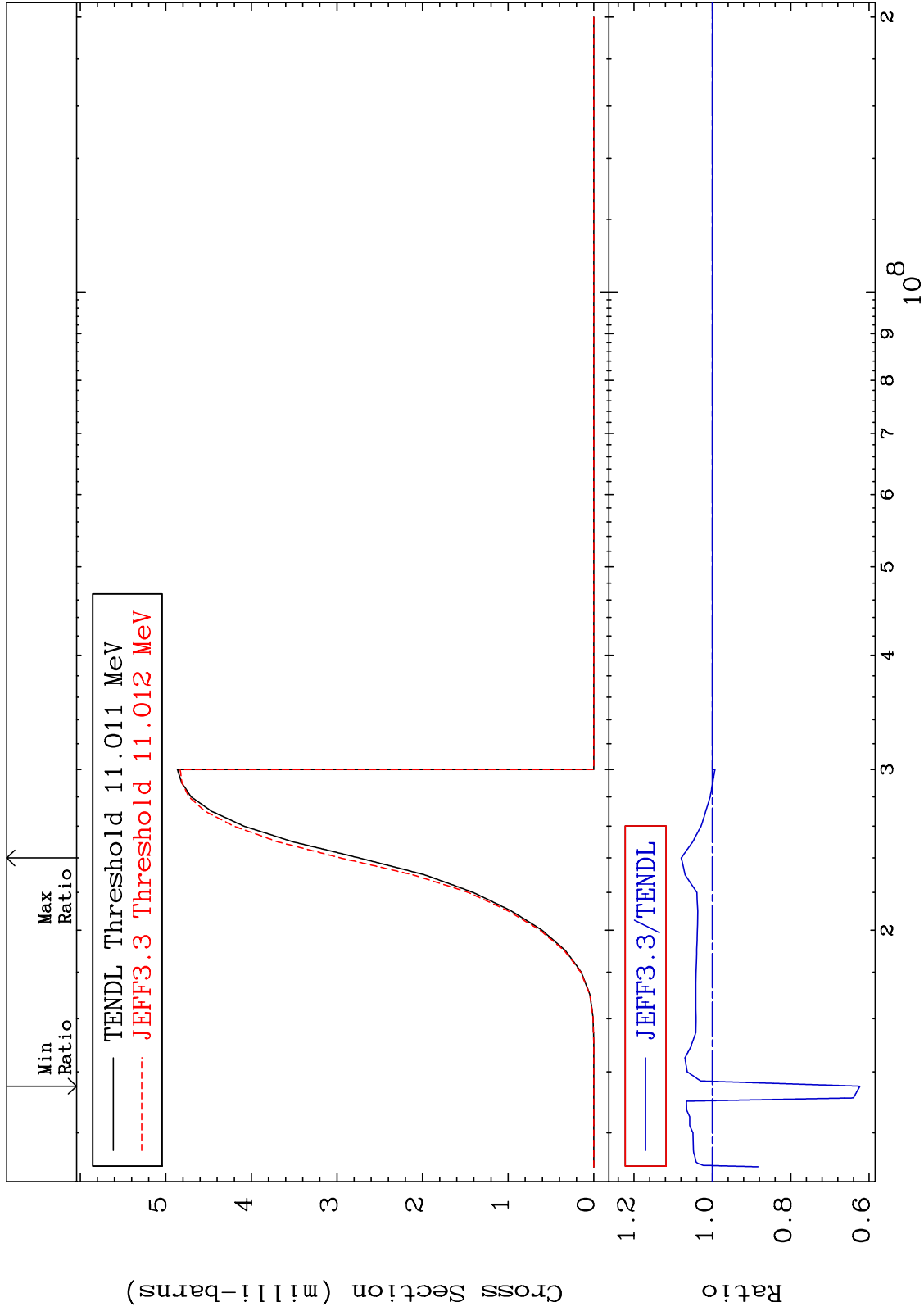


MAT 3625

(n, t): 35-Br-76m2

36-Kr-78

Radionuclide Production Cross Section -37.65 To 7.949 %

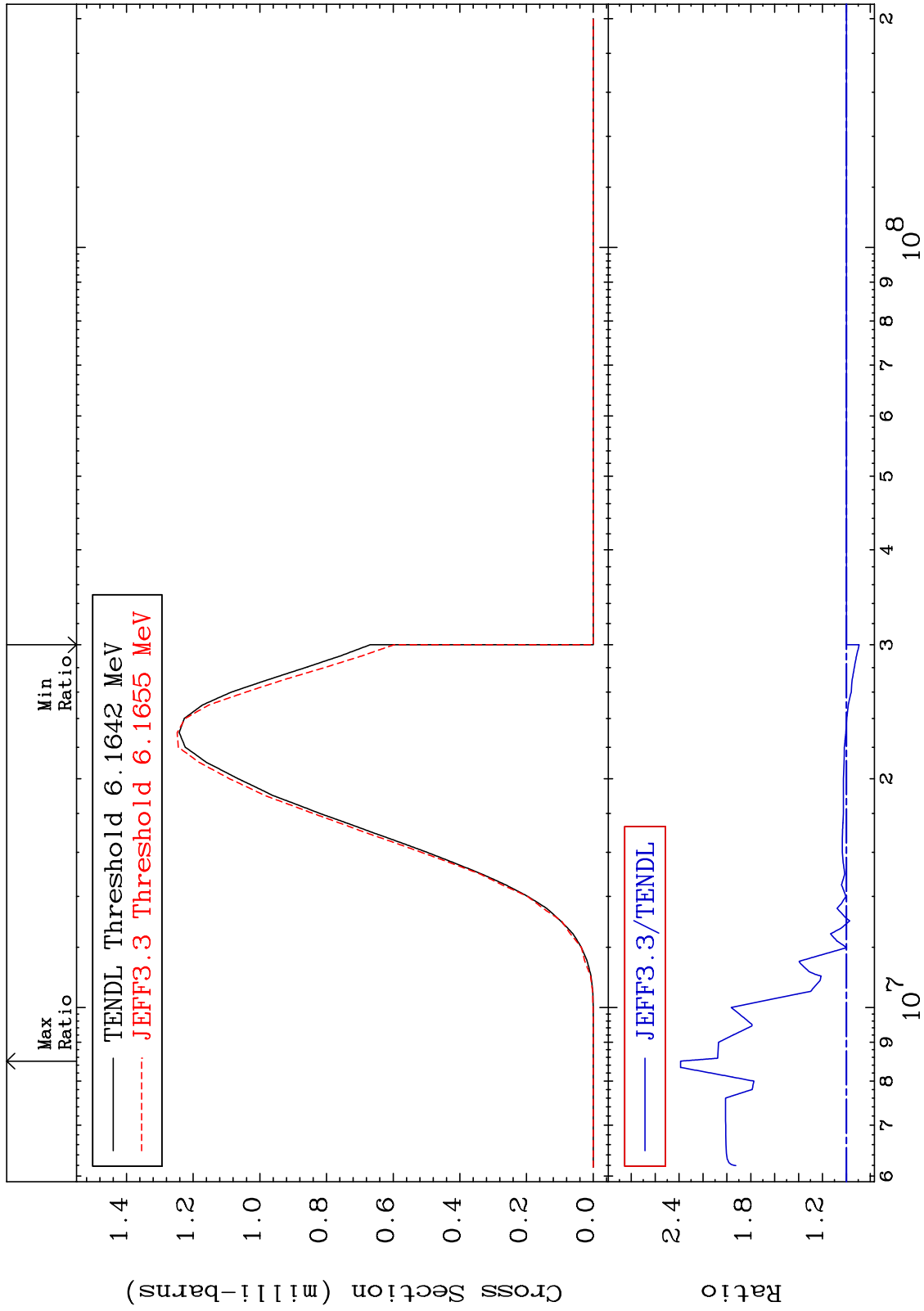


MAT 3625

36-Kr-78

(n,2p) : 34-Se-77g

Radionuclide Production Cross Section -10.70 To 138.7 %



89

Incident Energy (eV)

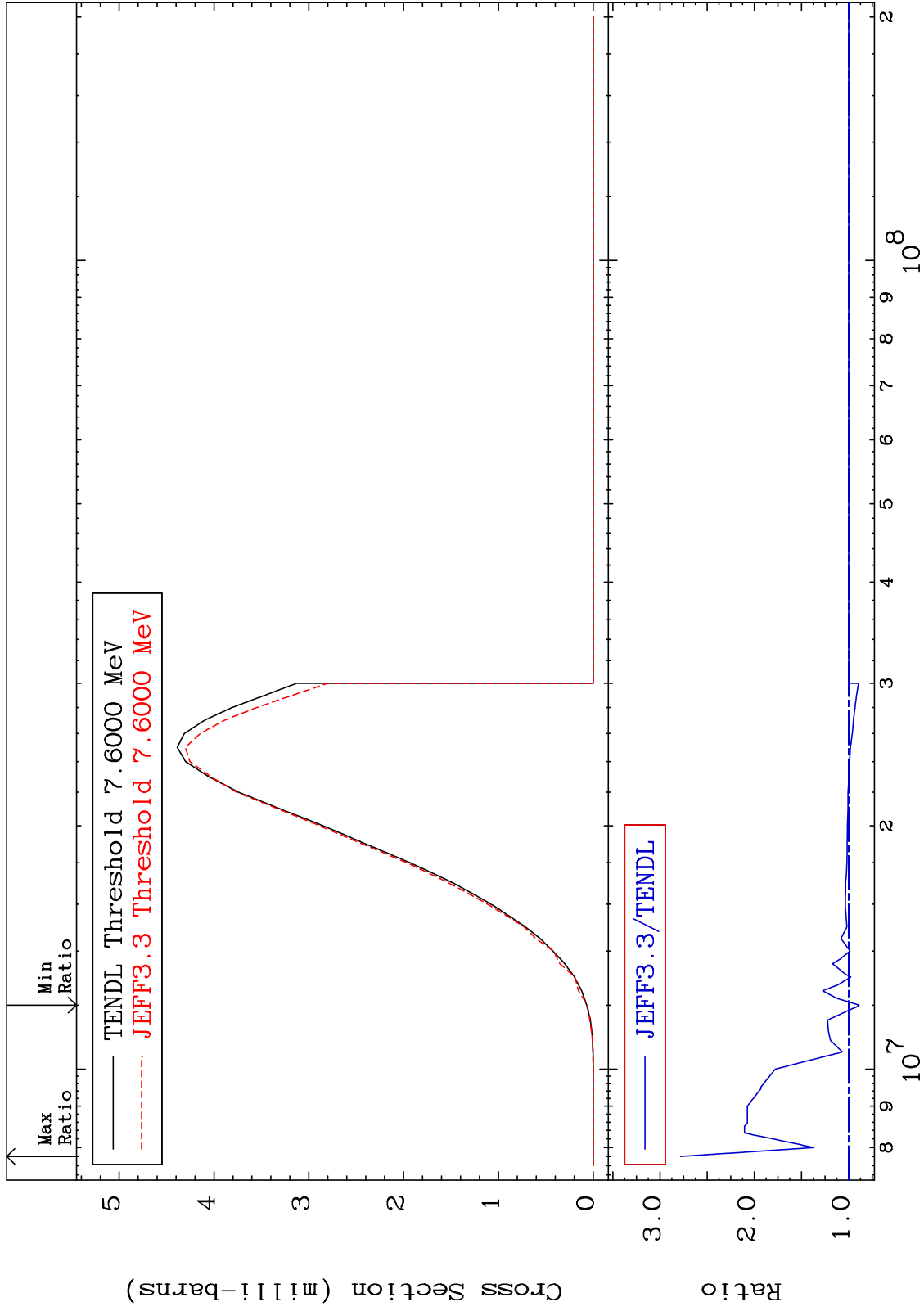
36-Kr-78

MAT 3625

(n,2p):34-Se-77m1

36-Kr-78

Radionuclide Production Cross Section -11.22 To 178.2 %



90

Incident Energy (eV)

36-Kr-78