

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

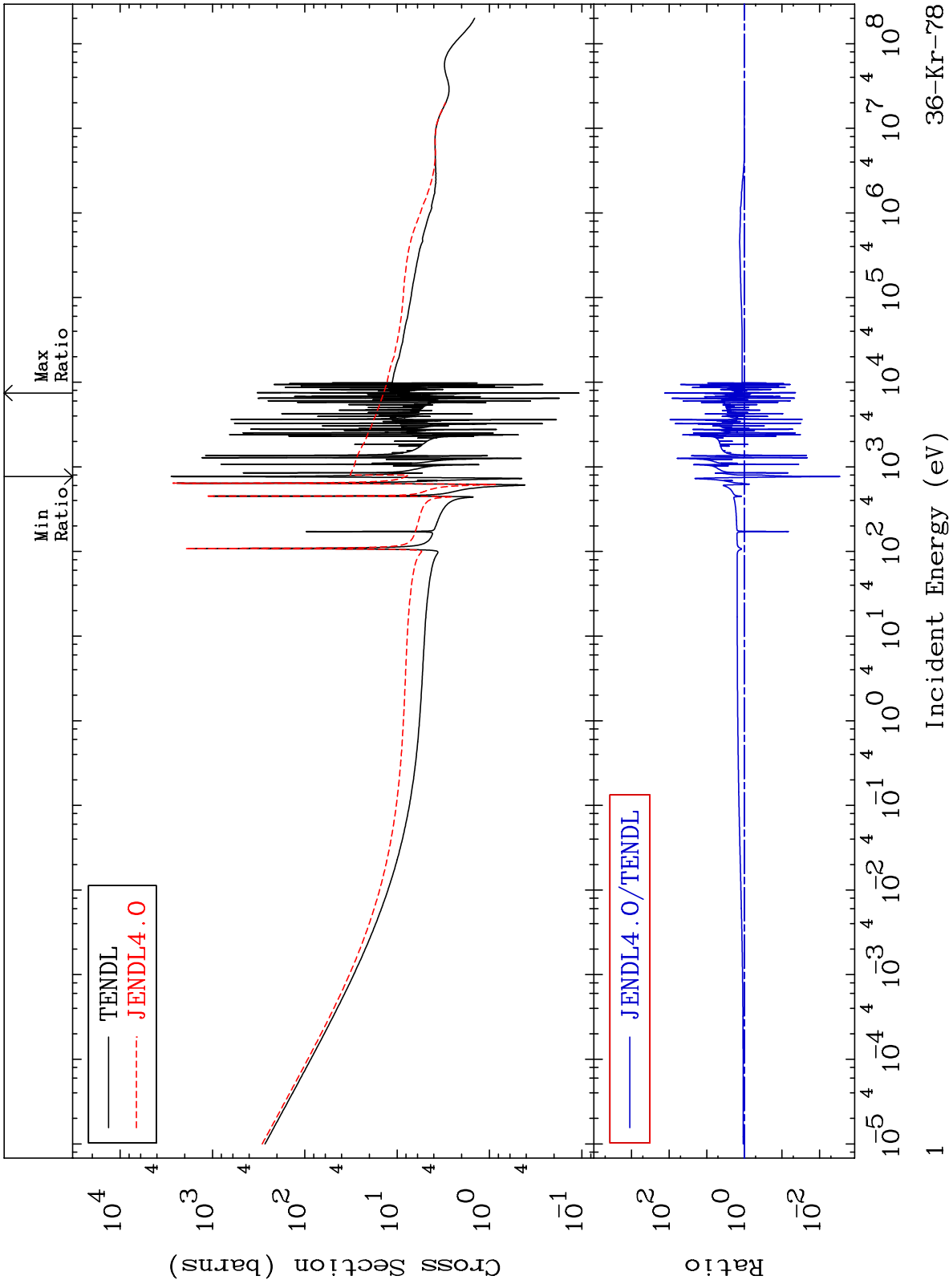
MAT 3625

Total

36-Kr-78

Cross Section

-99.71 To 9999. %



Incident Energy (eV)

36-Kr-78

1

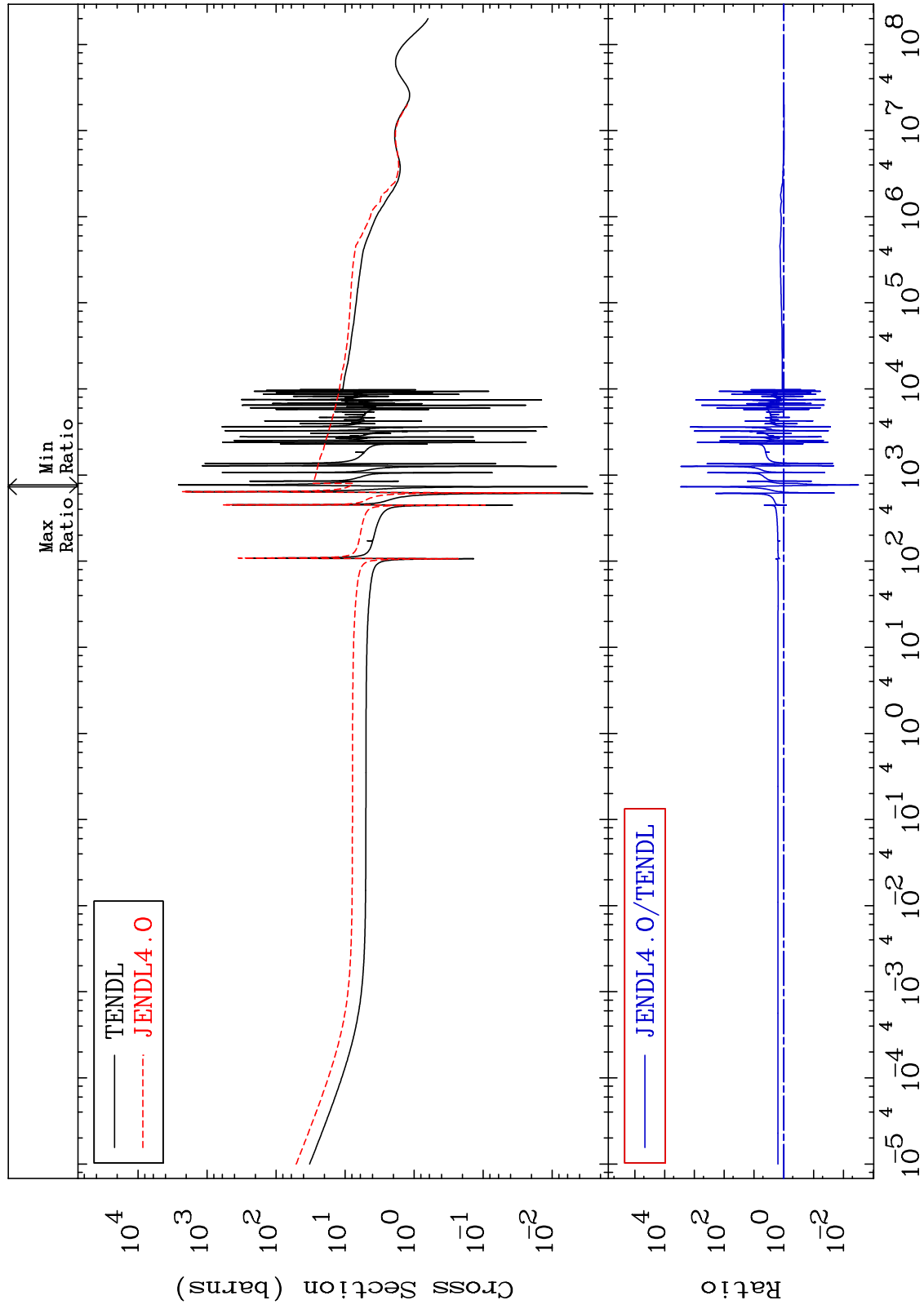
MAT 3625

Elastic

36-Kr-78

Cross Section

-99.69 To 9999. %



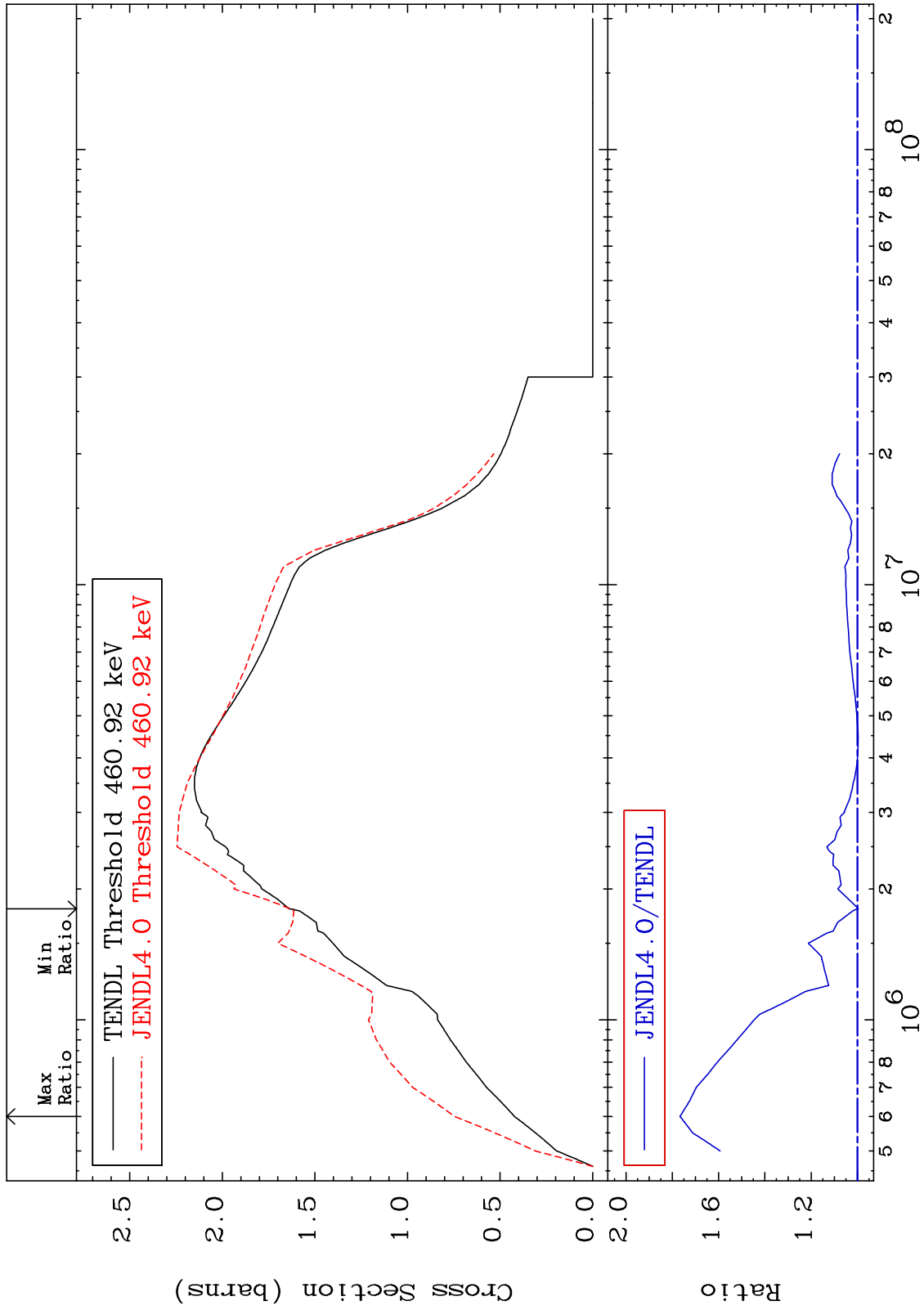
MAT 3625

Inelastic

<sup>36</sup>Kr-78

Cross Section

-0.436 To 76.70 %



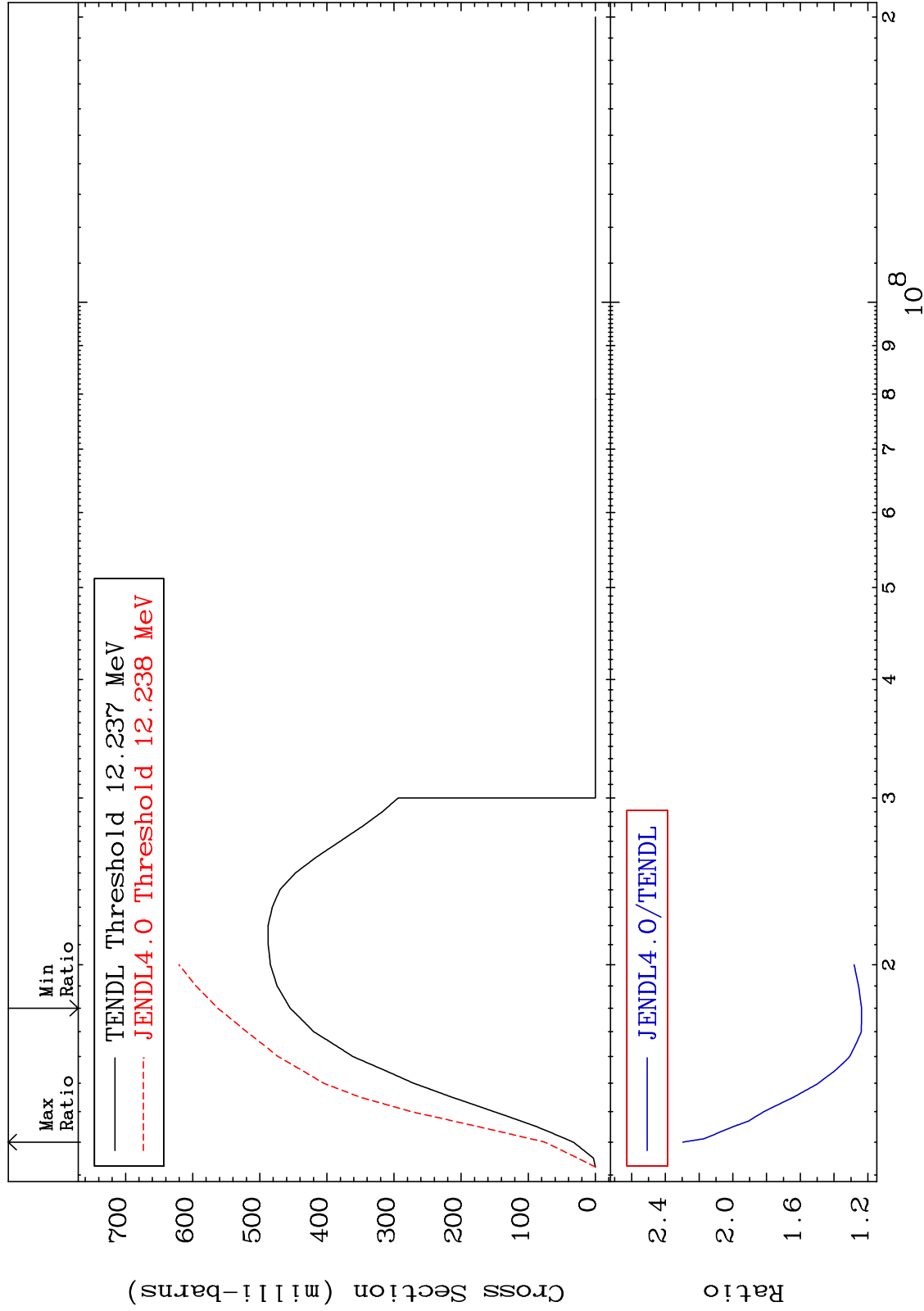
MAT 3625

(n,2n)

36-Kr-78

Cross Section

23.70 To 129.6 %



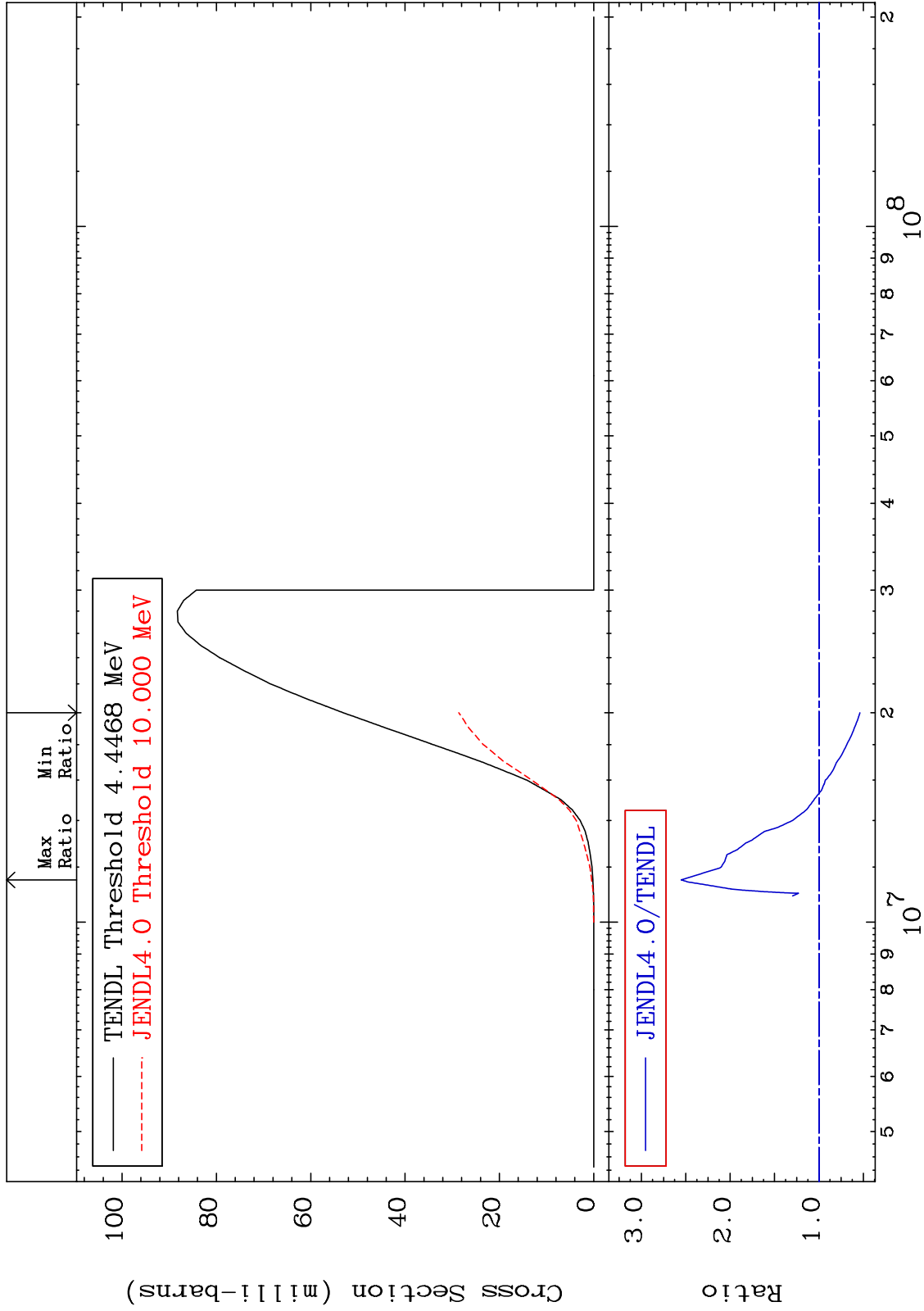
MAT 3625

$(n, n') \alpha$

36-Kr-78

Cross Section

-46.16 To 155.1 %



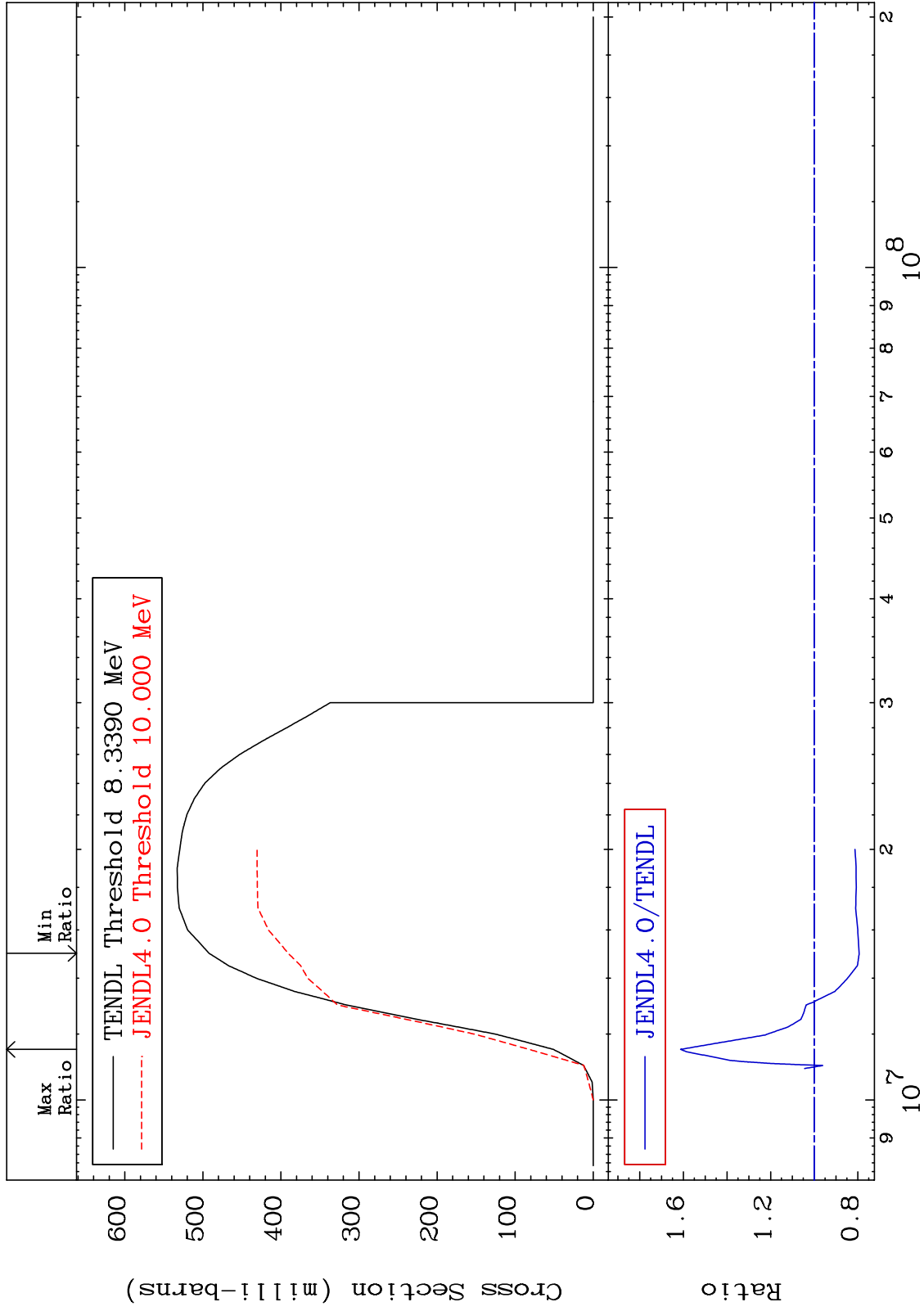
MAT 3625

(n,n') p

36-Kr-78

Cross Section

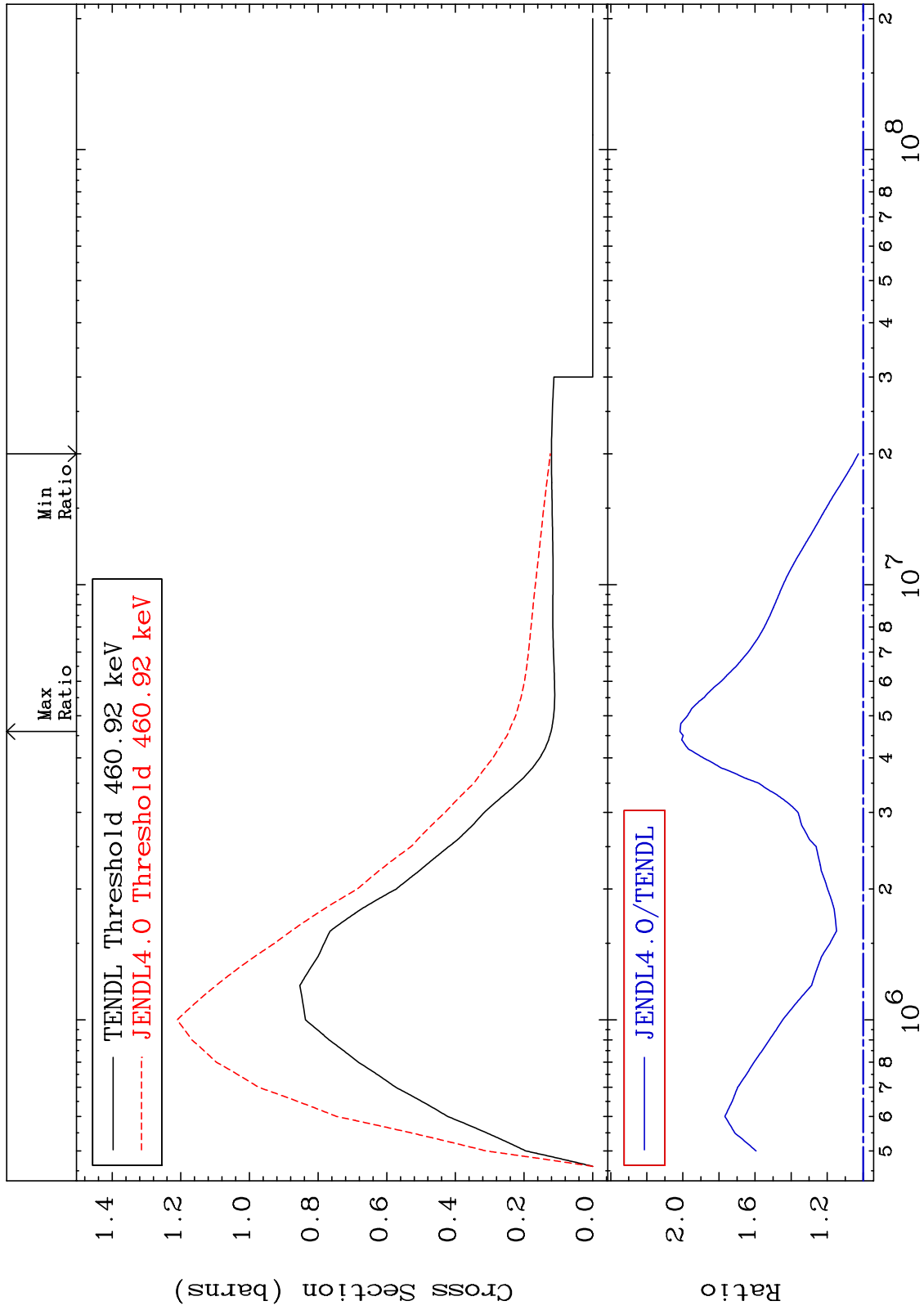
-20.61 To 61.26 %



Incident Energy (eV)

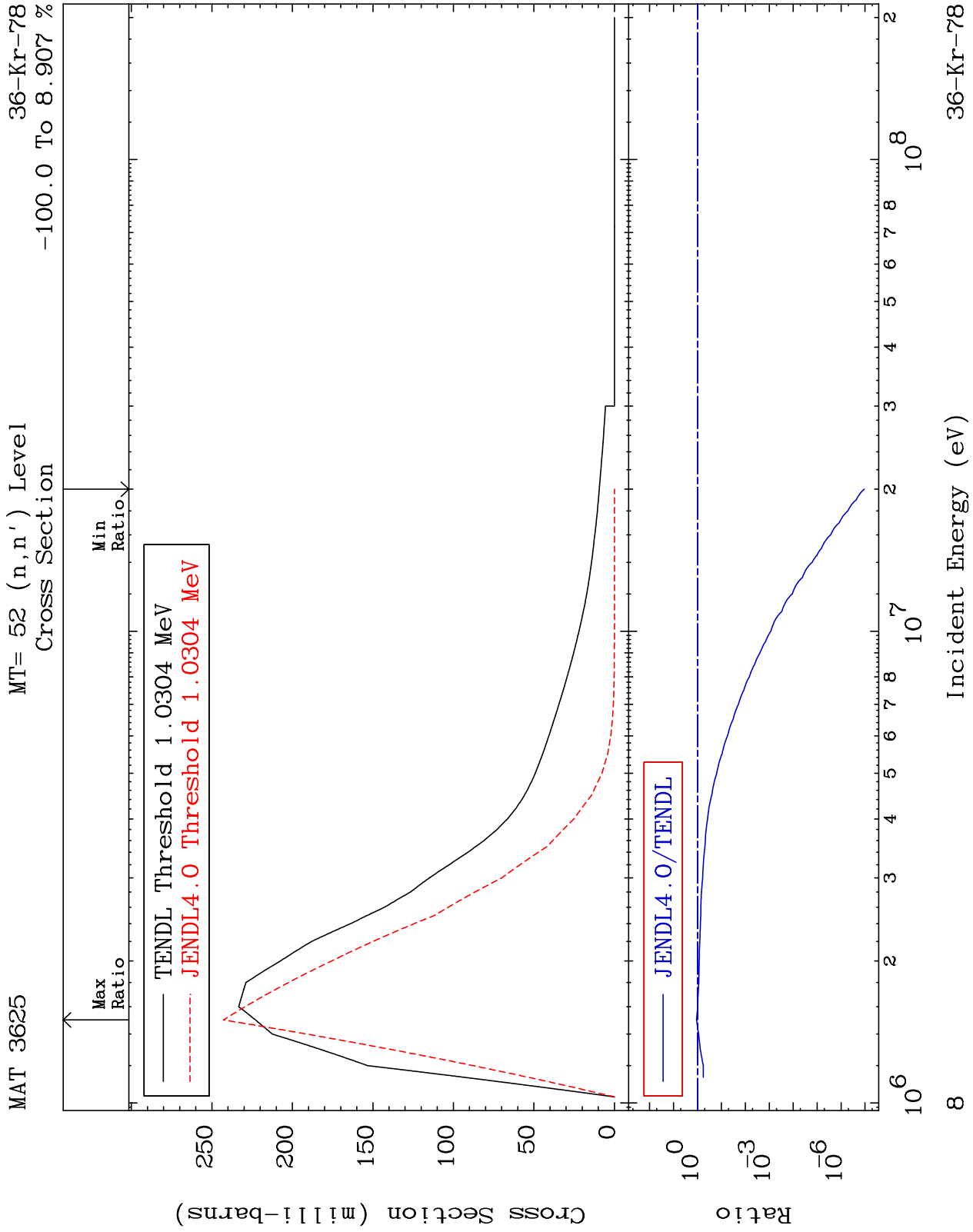
36-Kr-78

MAT 3625 MT= 51 (n,n') Level Cross Section 36-Kr-78 2.681 To 101.6 %

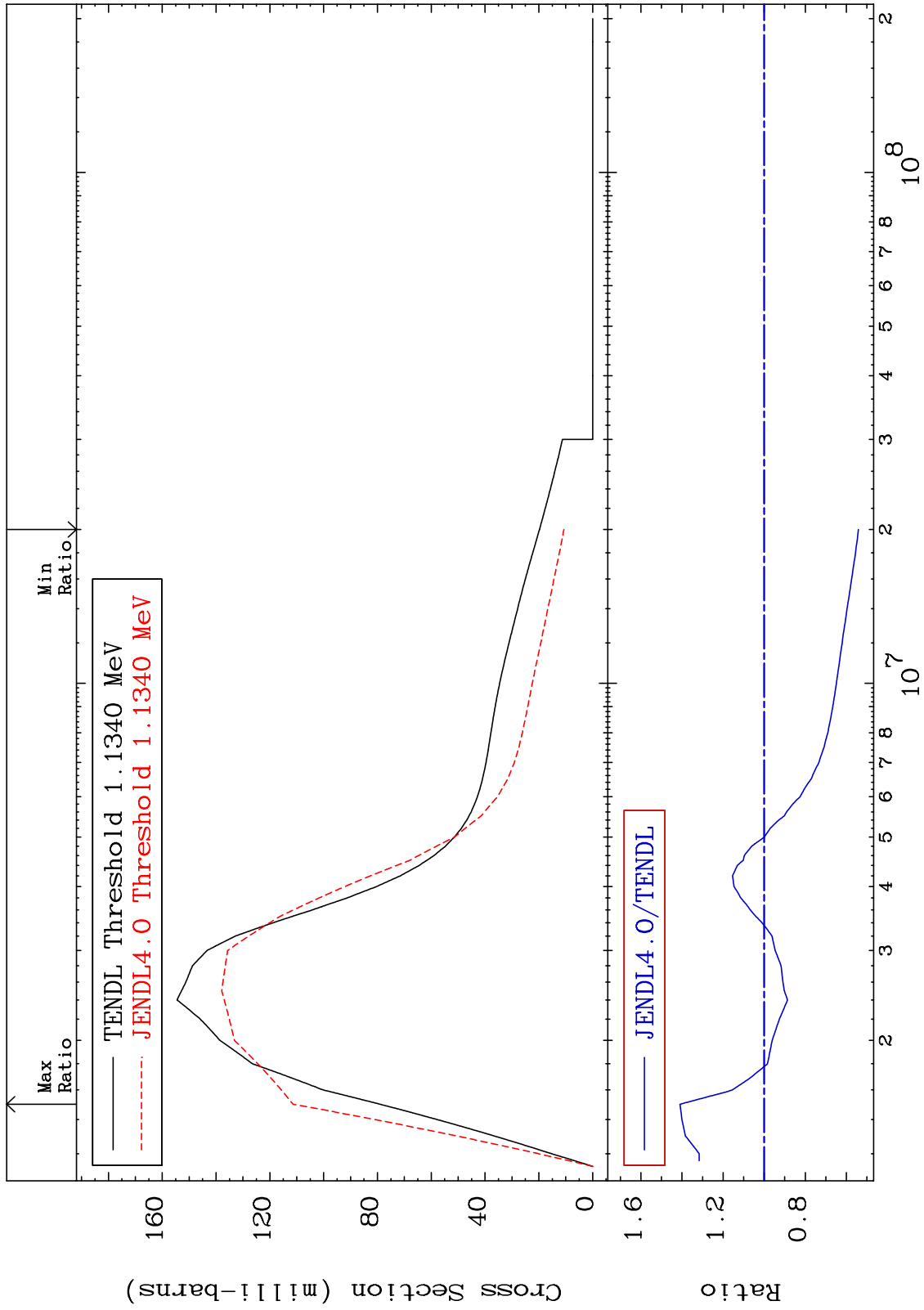


7 Incident Energy (eV) 36-Kr-78

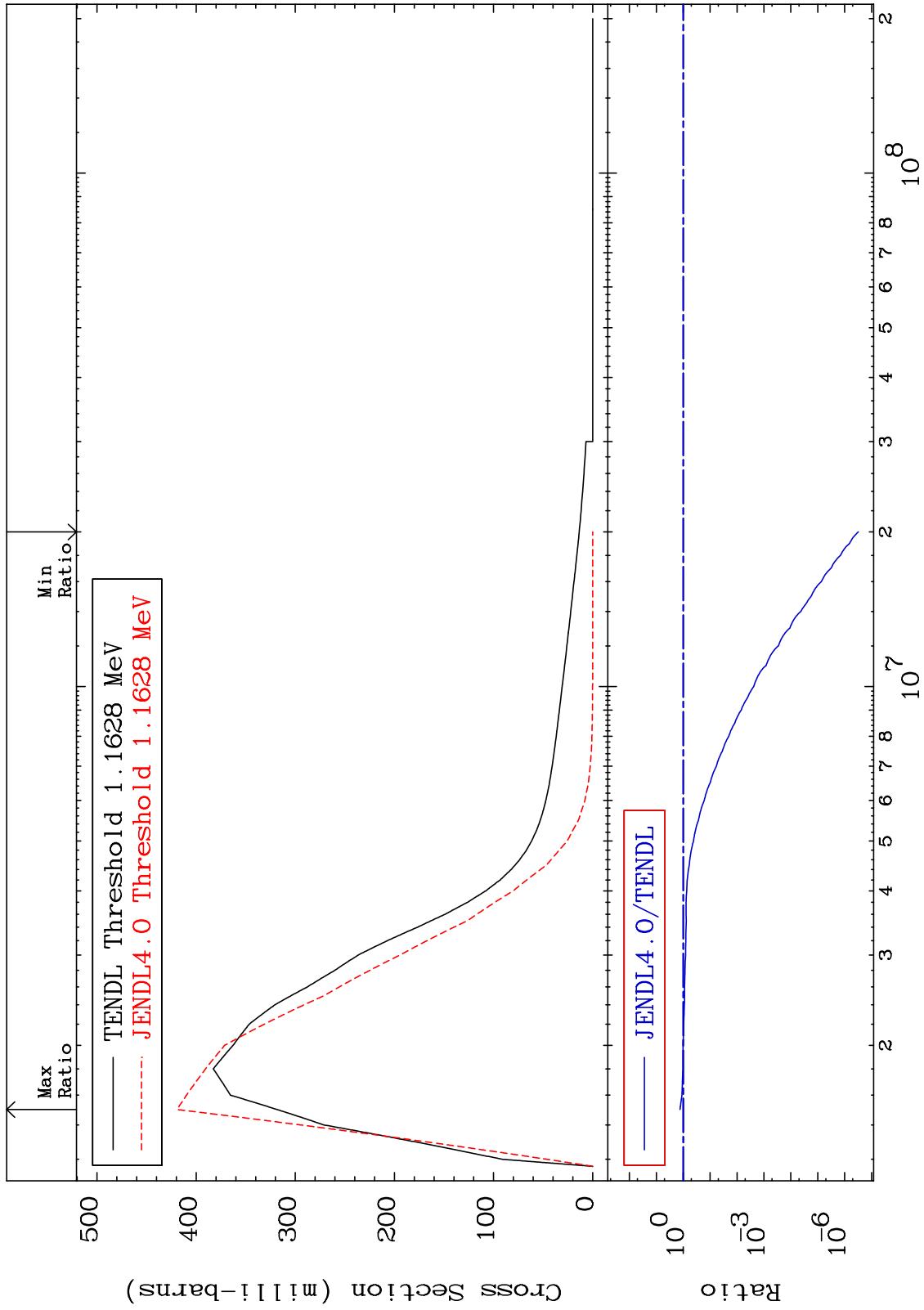




MAT 3625 MT= 53 (n, n') Level Cross Section 36-Kr-78  
 -45.85 To 40.96 %



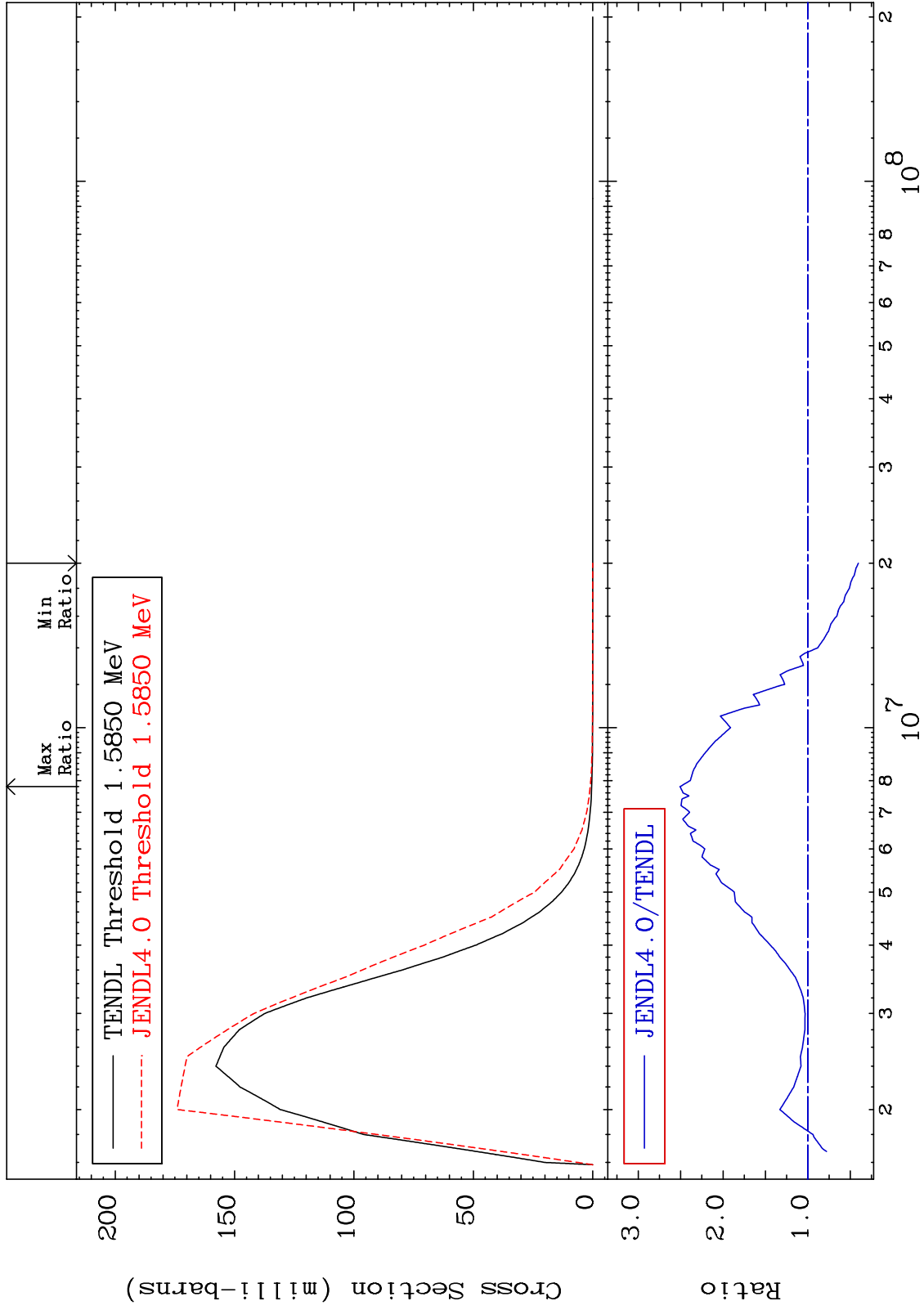
MAT 3625 MT= 54 (n,n') Level Cross Section 36-Kr-78  
-100.0 To 31.70 %



MAT 3625

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

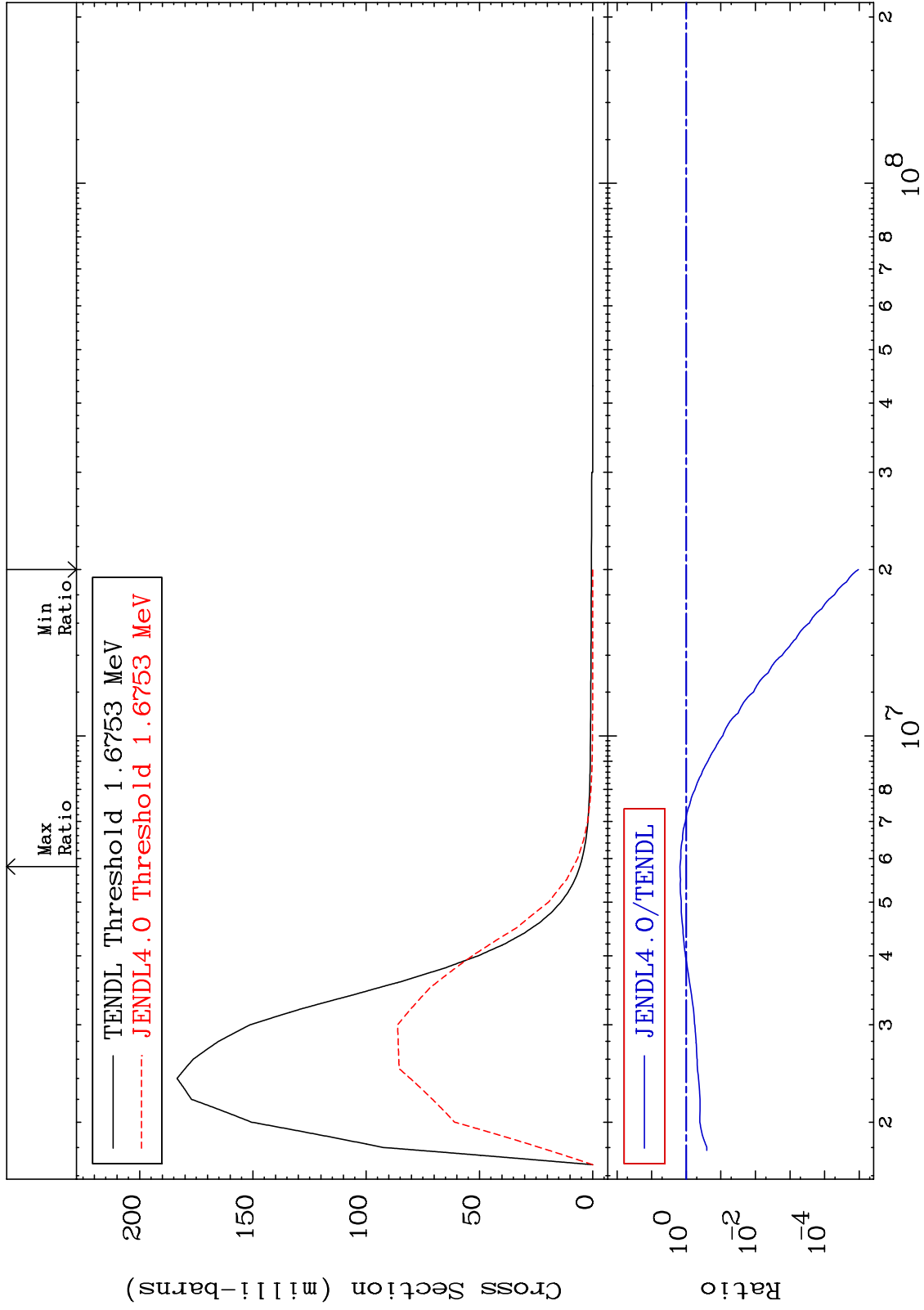
36-Kr-78  
-59.60 To 150.7 %



MAT 3625

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

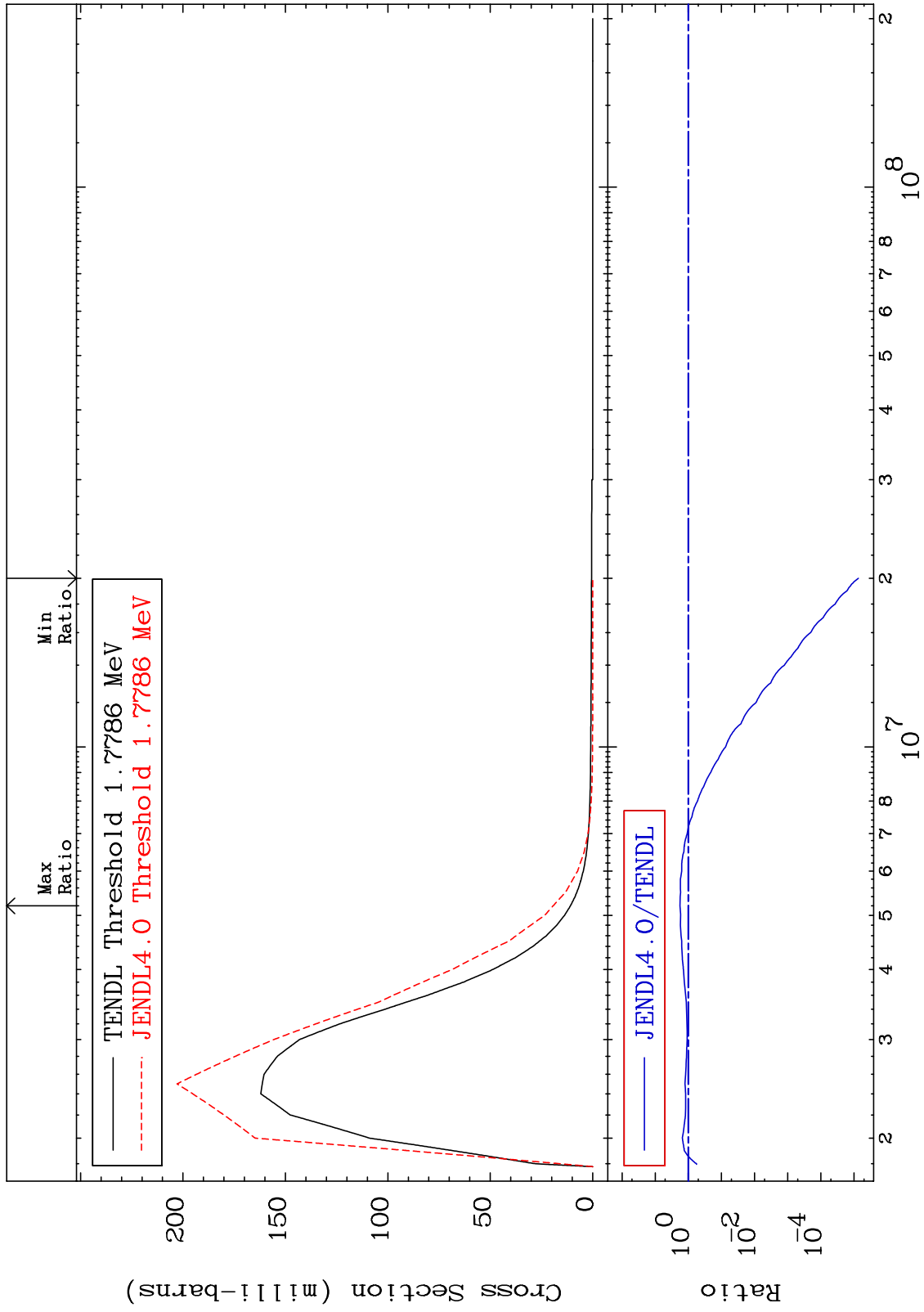
36-Kr-78  
-100.0 To 51.16 %



MAT 3625

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

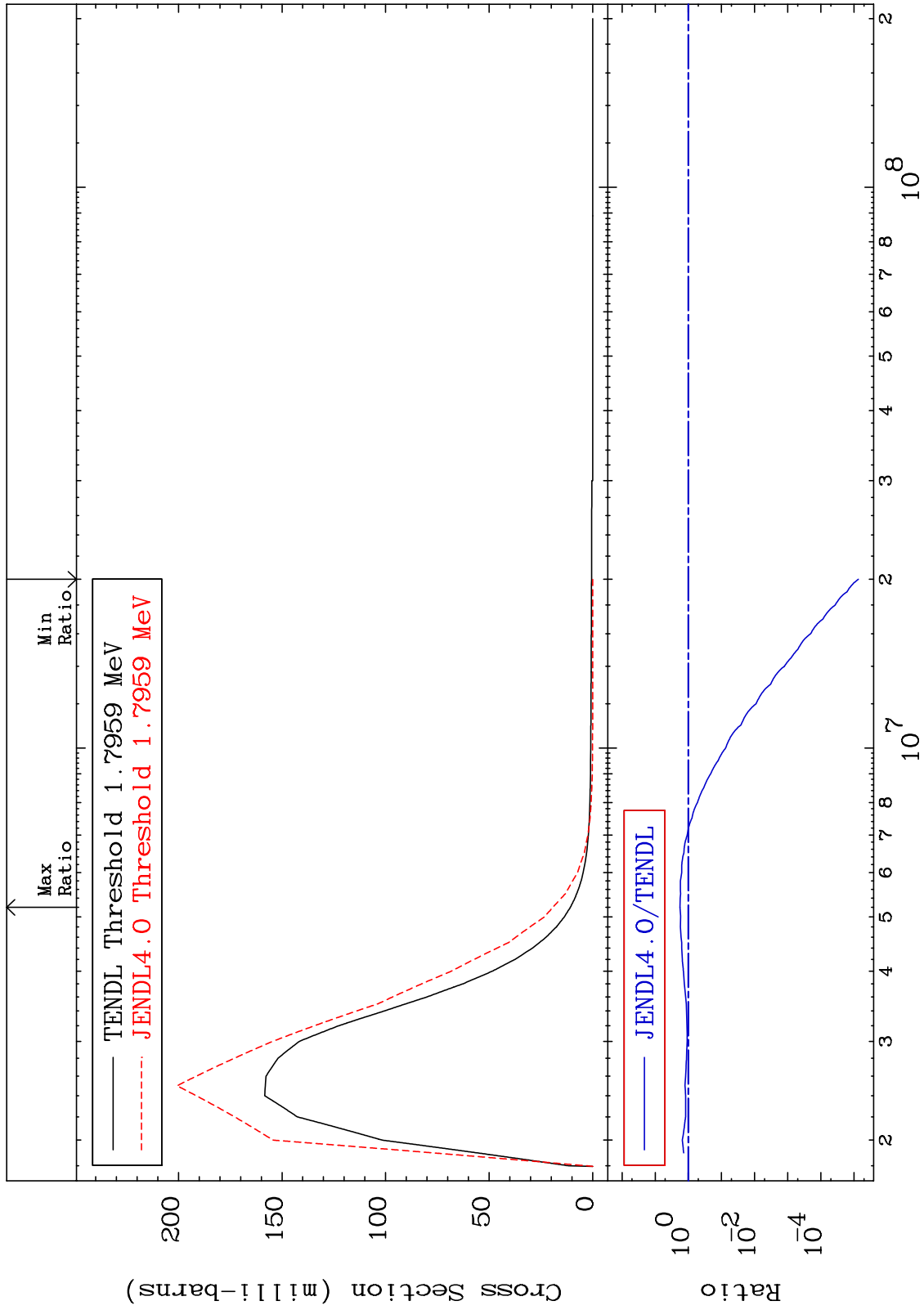
36-Kr-78  
-100.0 To 78.25 %



MAT 3625

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

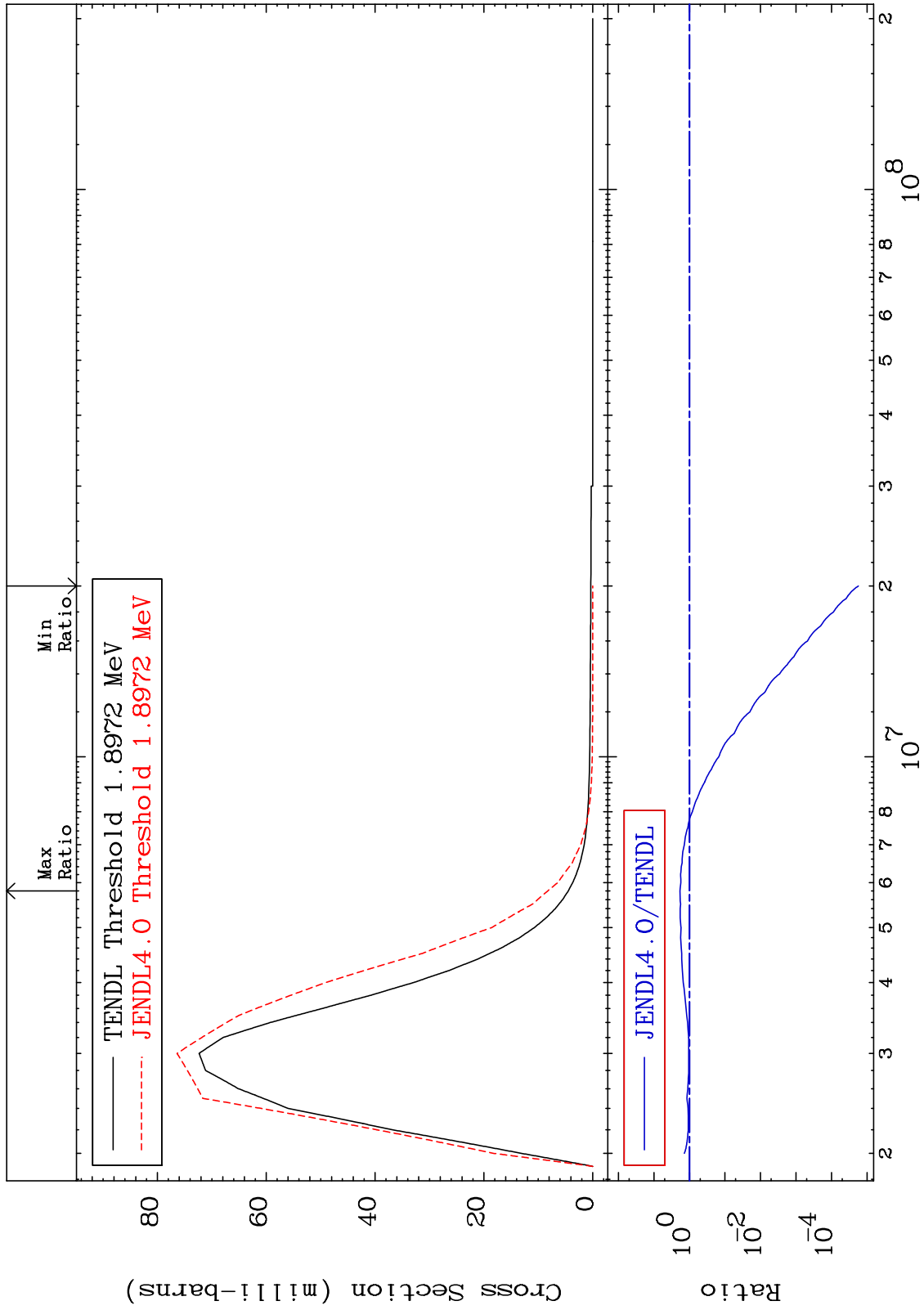
36-Kr-78  
-100.0 To 78.34 %



MAT 3625

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

36-Kr-78  
-100.0 To 84.21 %



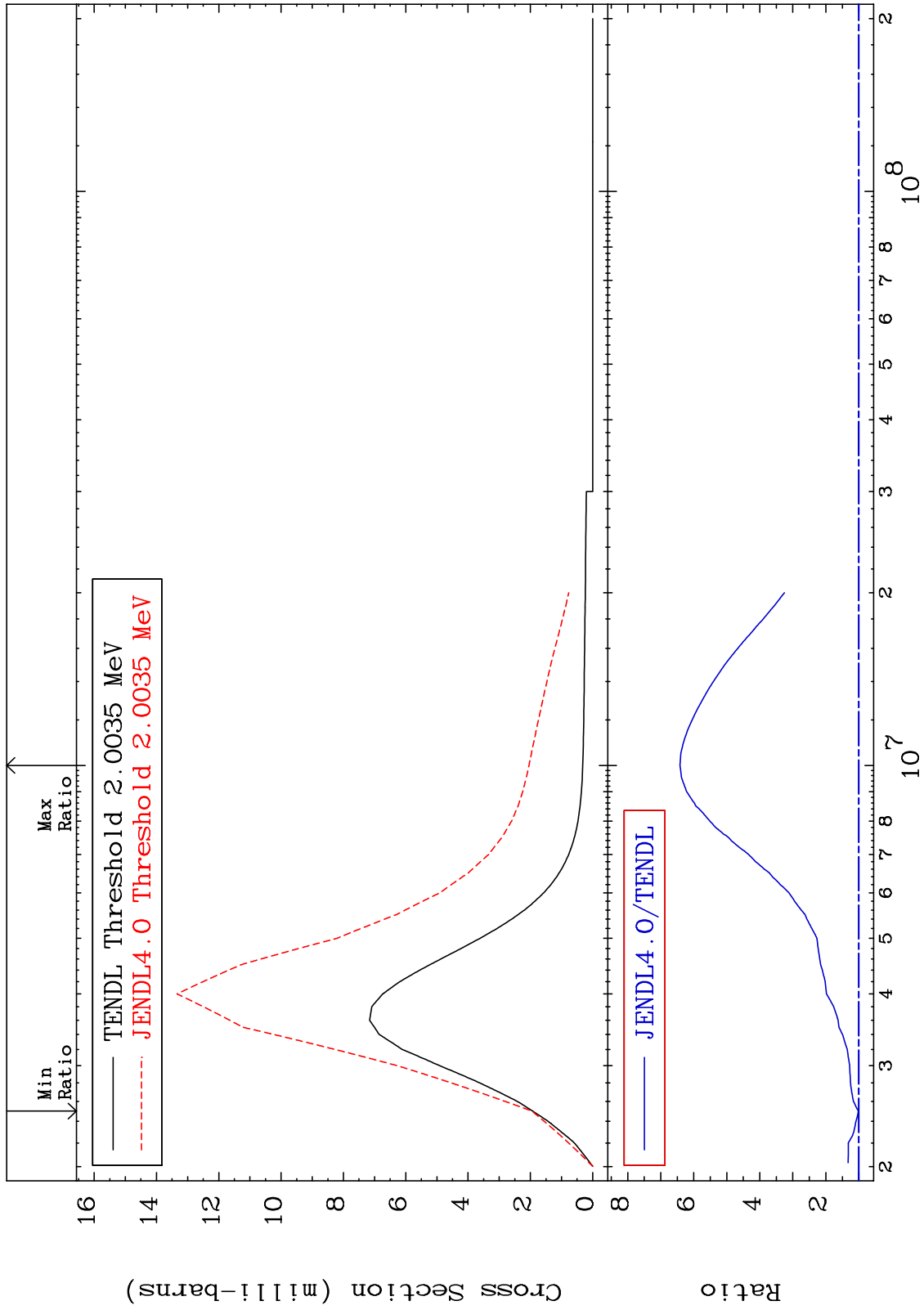
15

36-Kr-78

36-Kr-78



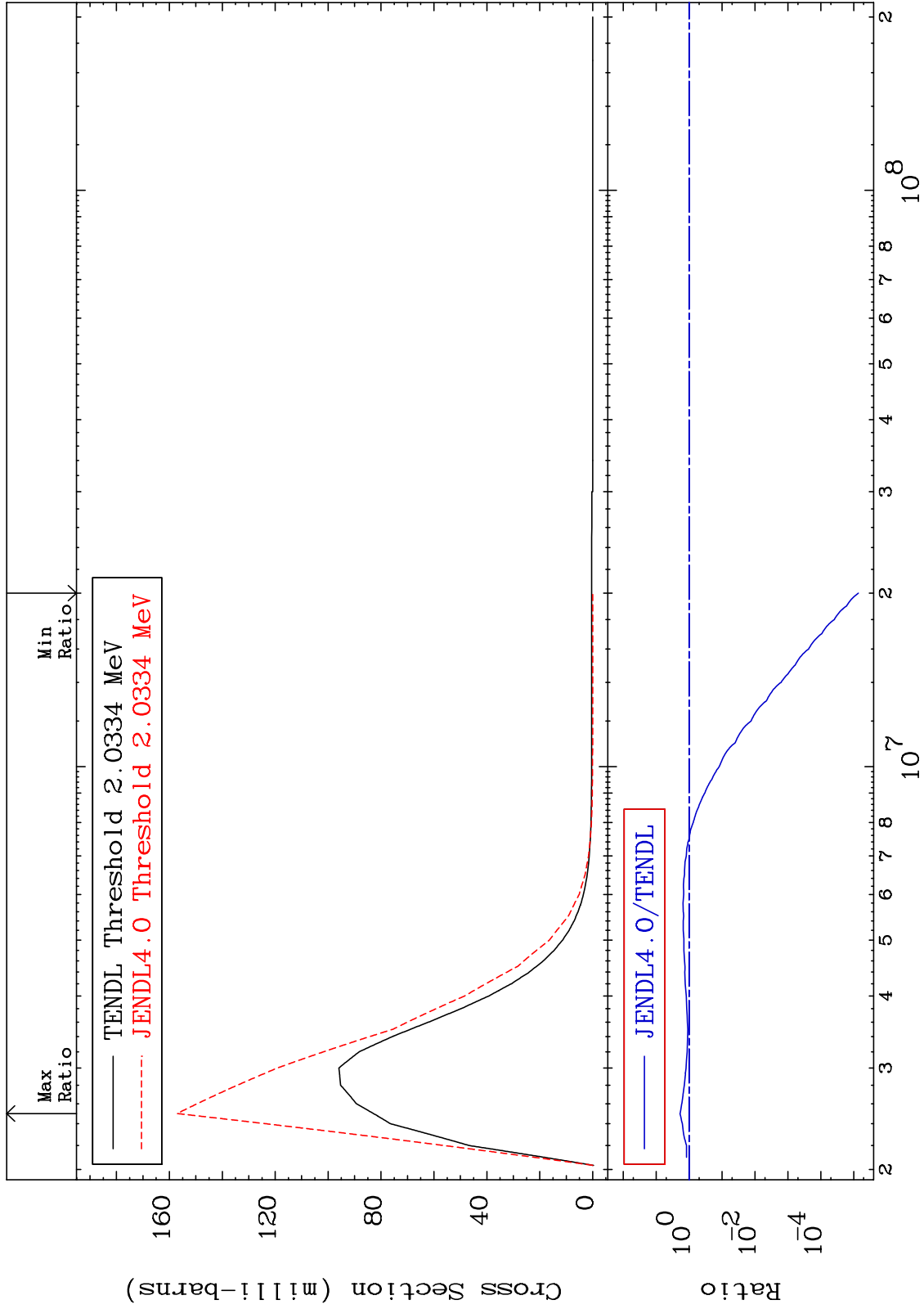
MAT 3625 MT= 60 (n,n') Level Cross Section 36-Kr-78  
 1.325 To 541.6 %



MAT 3625

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

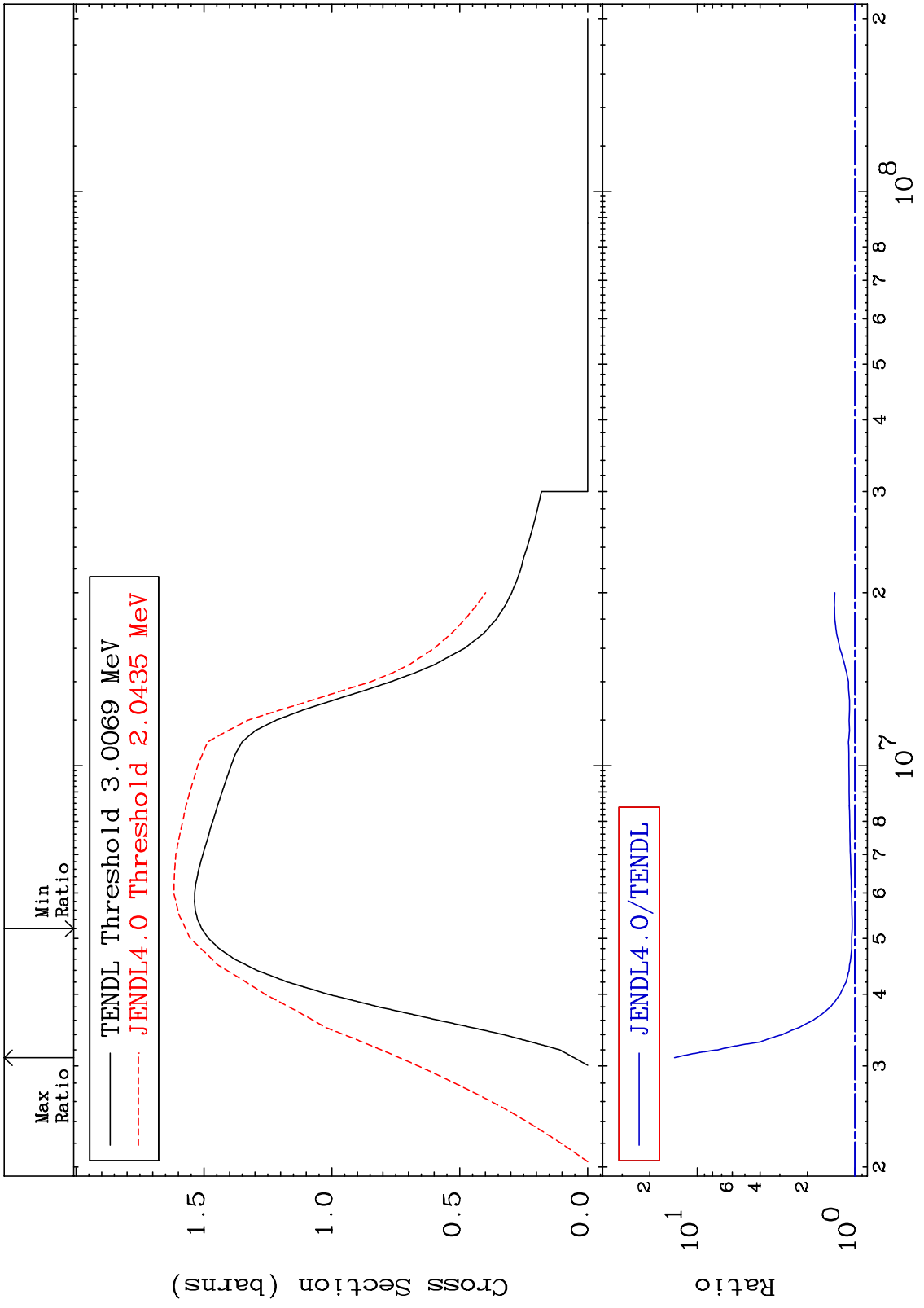
36-Kr-78  
-100.0 To 89.62 %



MAT 3625

(n,n') Continuum  
Cross Section

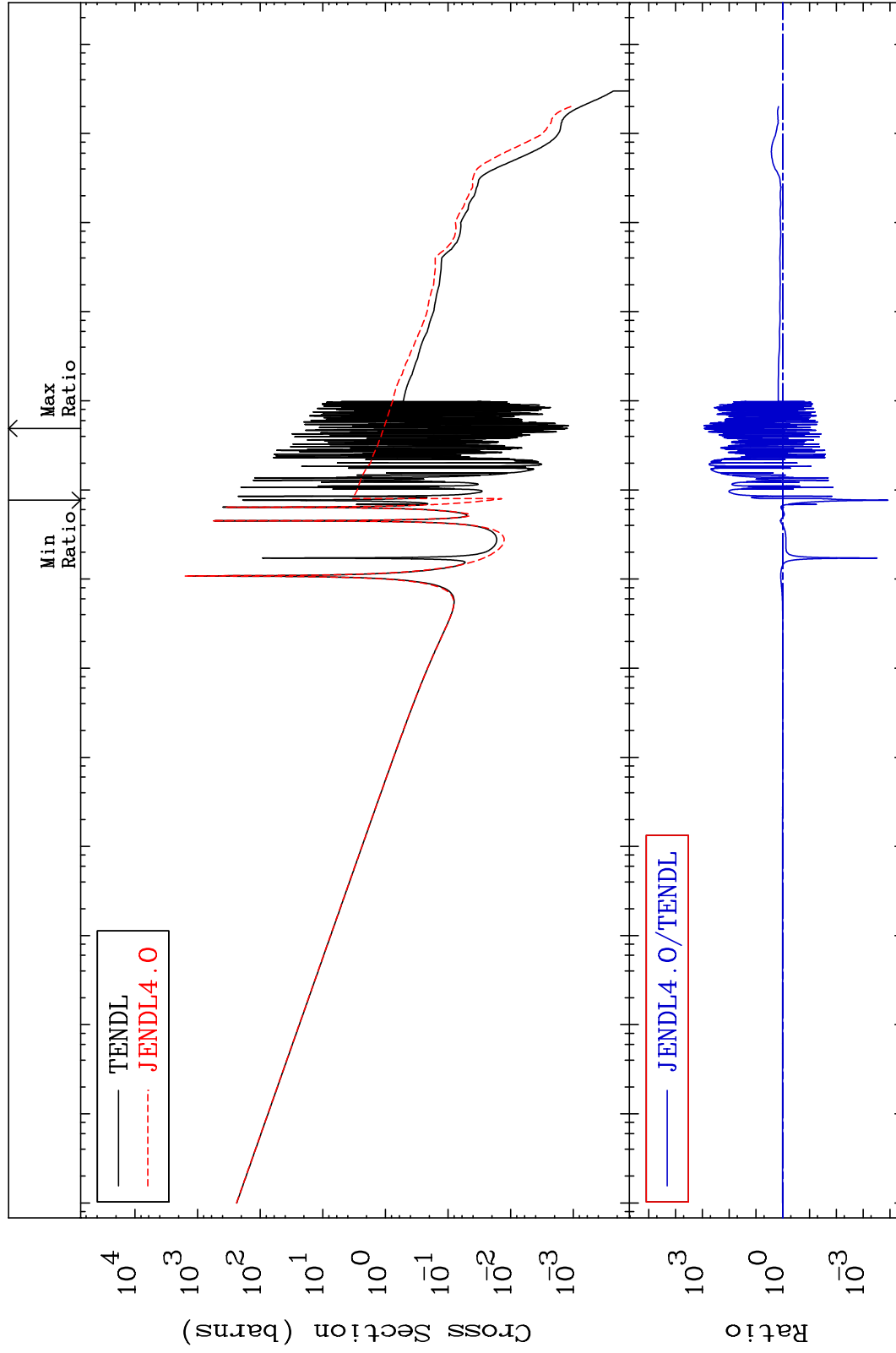
36-Kr-78  
4.138 To 1294. %



MAT 3625

(n,  $\gamma$ )  
Cross Section

36-Kr-78  
-99.99 To 9999. %



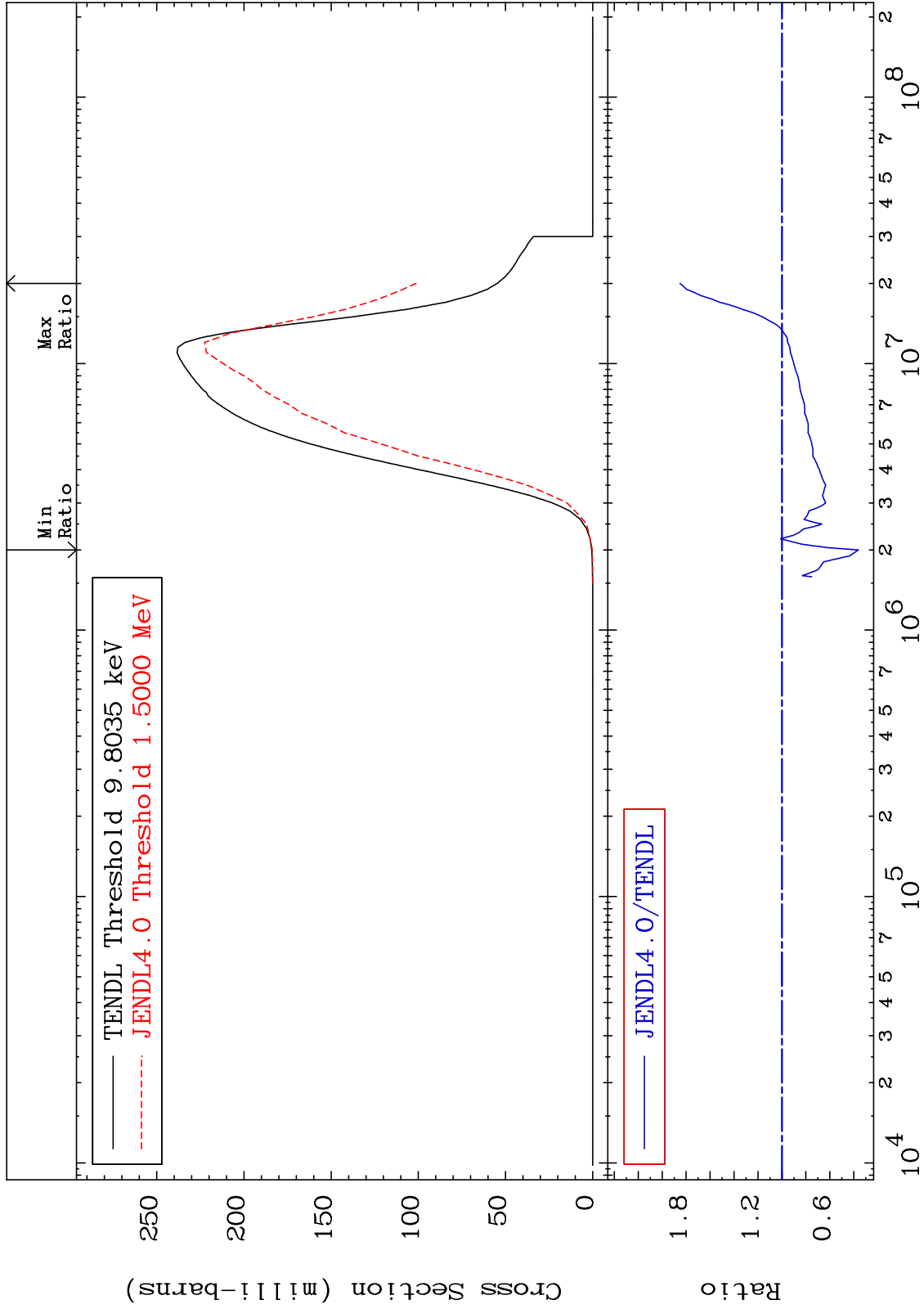
MAT 3625

(n, p)

<sup>36</sup>Kr-78

Cross Section

-63.85 To 85.12 %



Incident Energy (eV)

<sup>36</sup>Kr-78

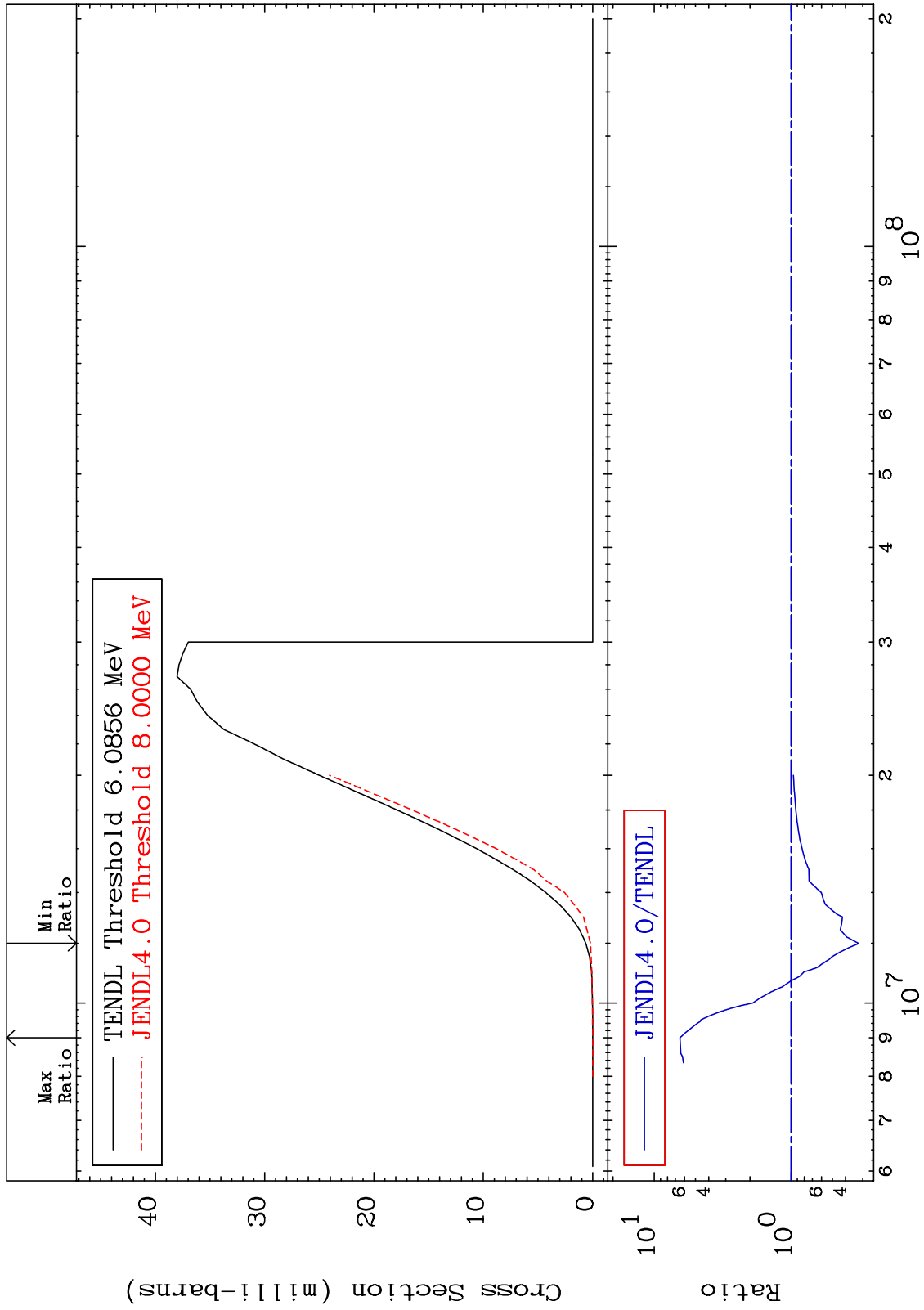
MAT 3625

(n, d)

36-Kr-78

Cross Section

-67.77 To 547.4 %



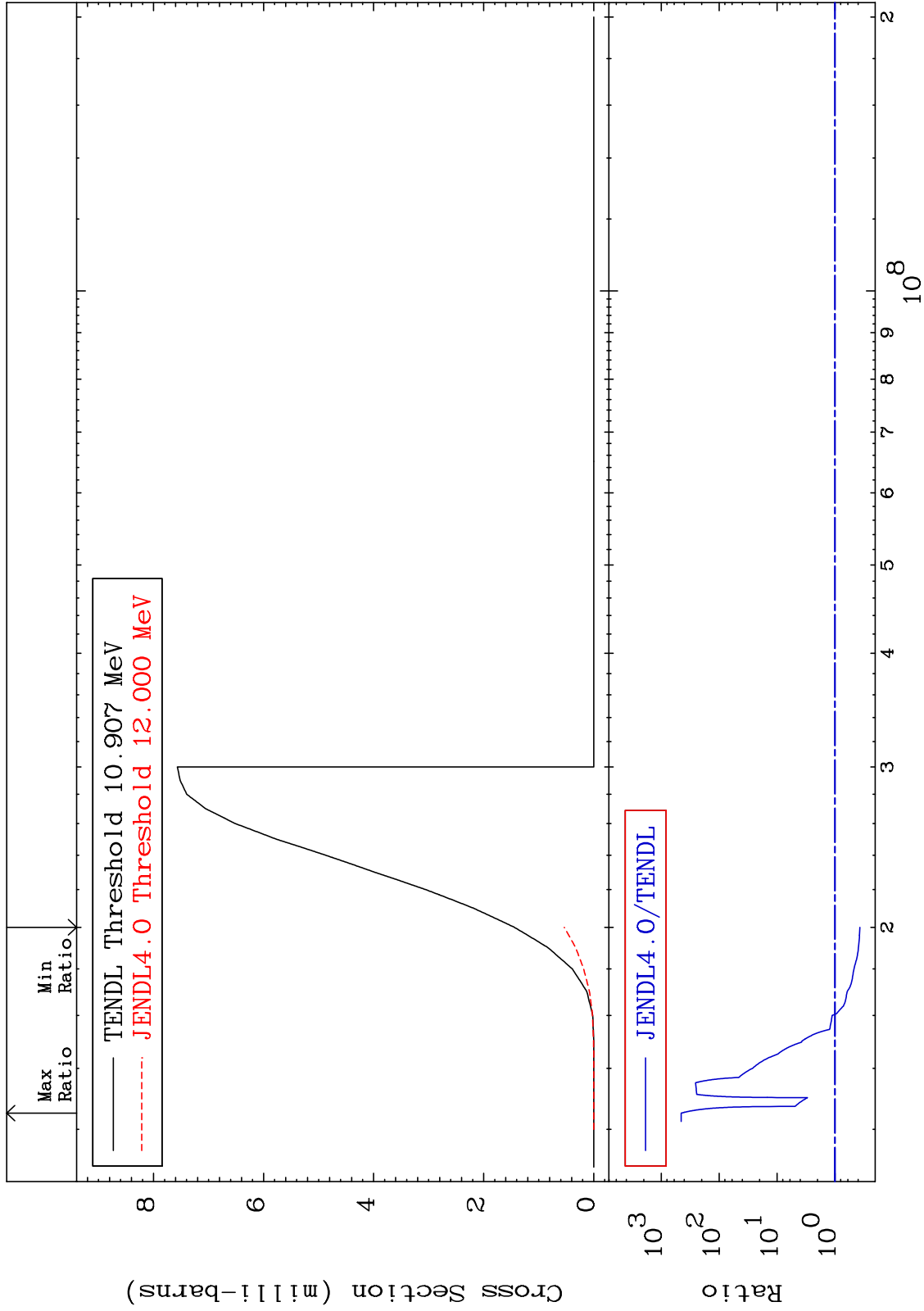
MAT 3625

(n, t)

36-Kr-78

Cross Section

-62.86 To 9999. %



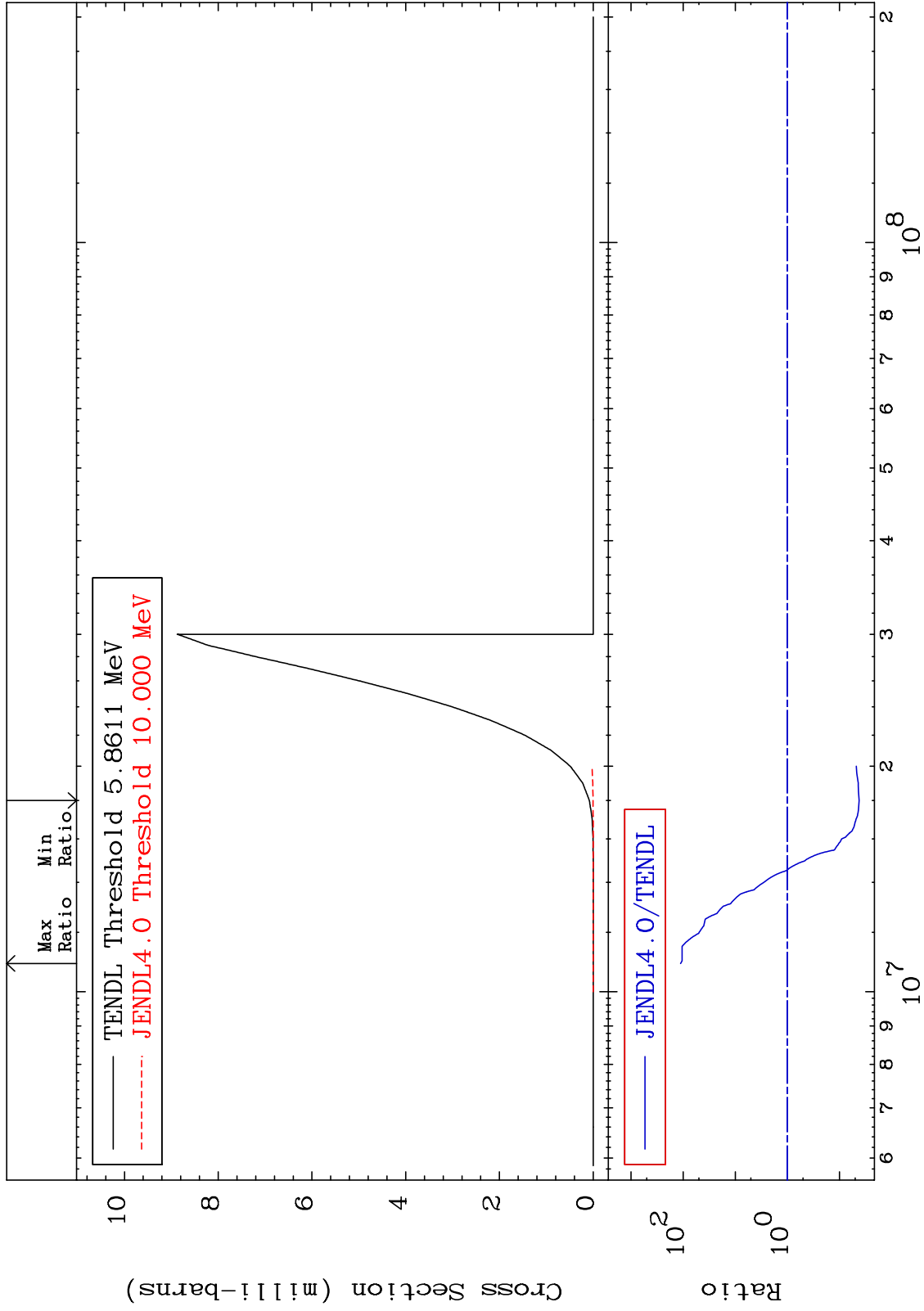
MAT 3625

(n, He-3)

36-Kr-78

Cross Section

-95.81 To 9999. %





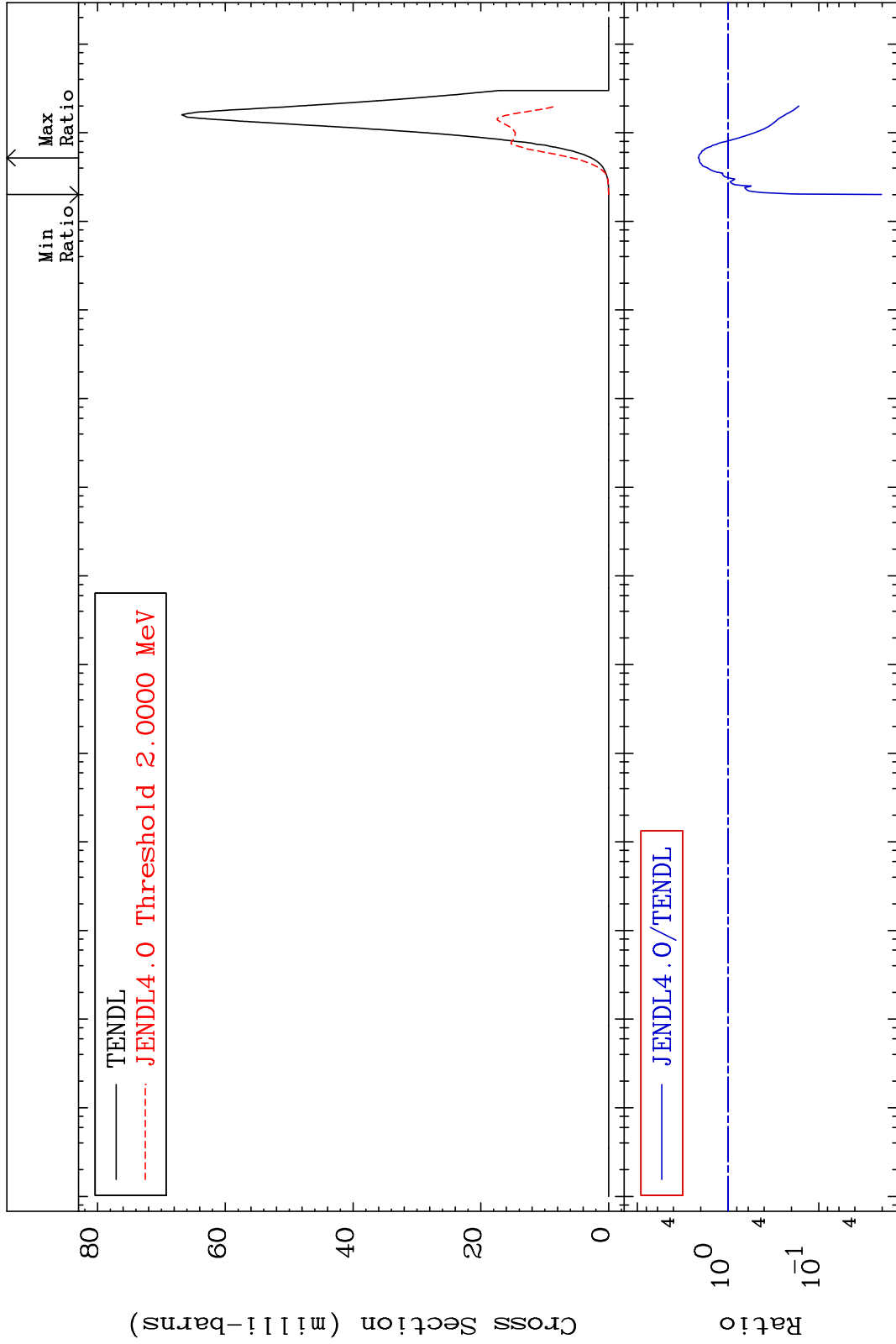
MAT 3625

(n,  $\alpha$ )

<sup>36</sup>Kr-78

Cross Section

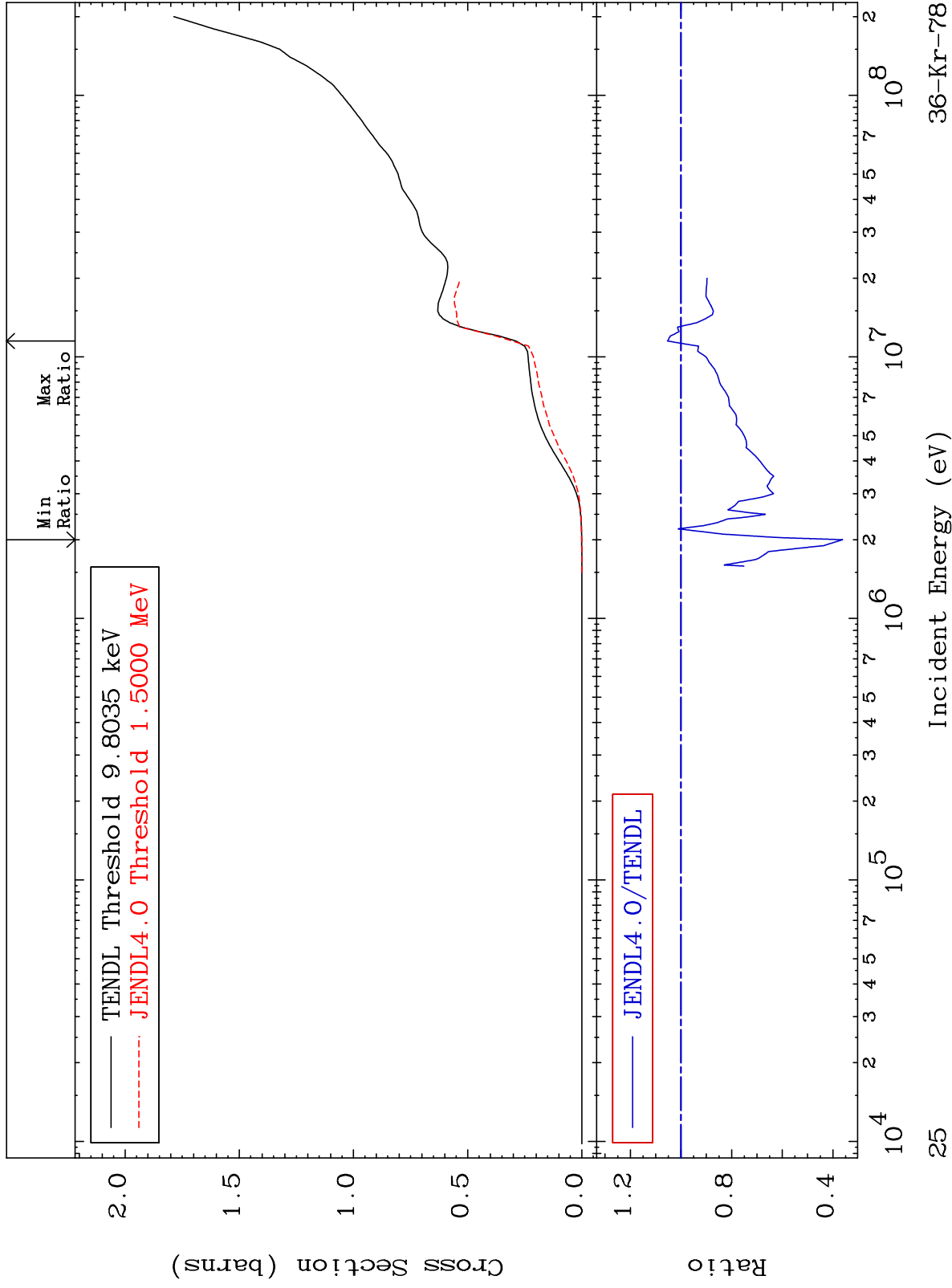
-97.97 To 112.8 %



MAT 3625

Hydrogen Production  
Cross Section

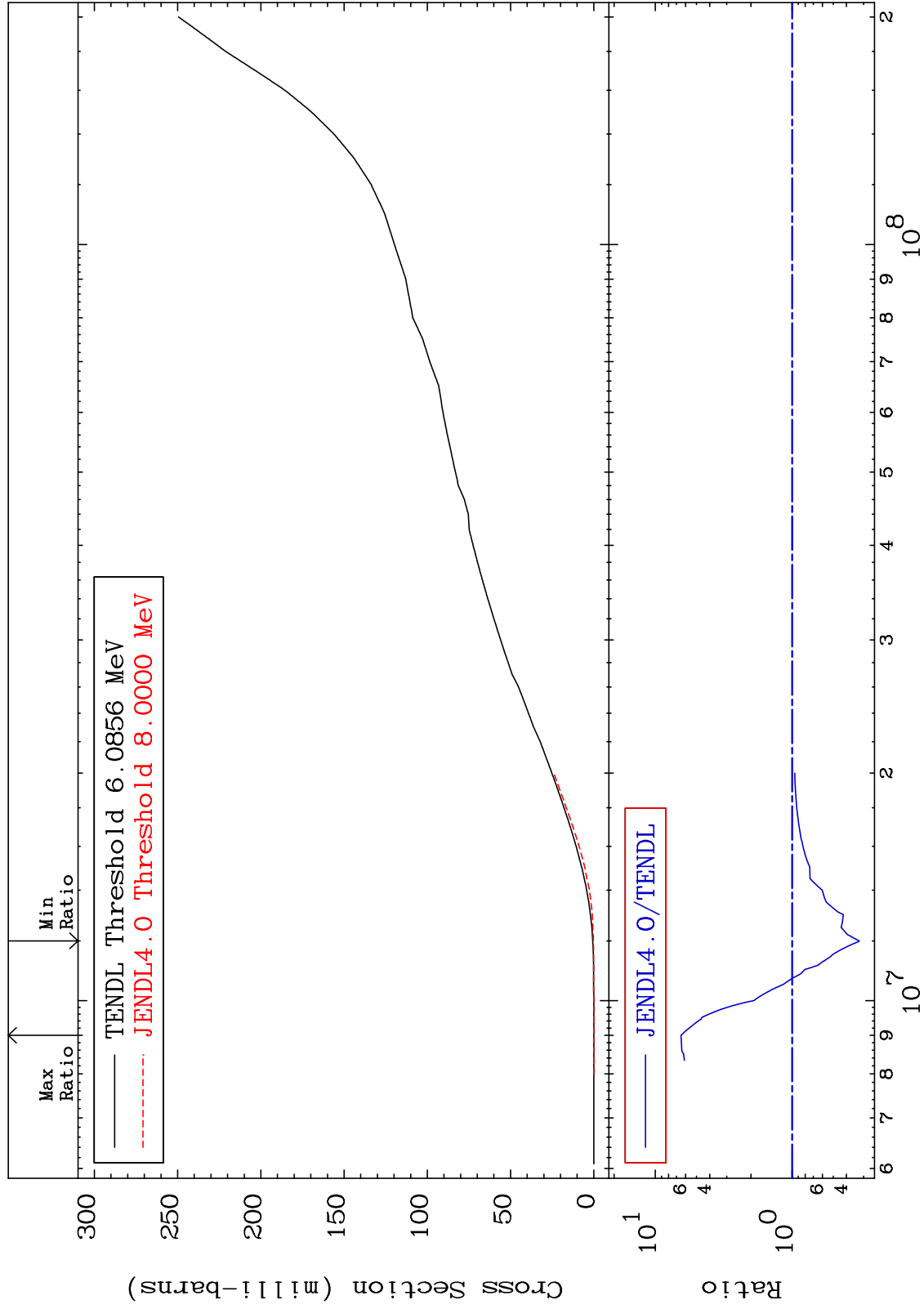
<sup>36</sup>Kr-78  
-63.85 To 5.321 %



MAT 3625

Deuterium Production  
Cross Section

<sup>36</sup>Kr-78  
-67.77 To 547.4 %



26

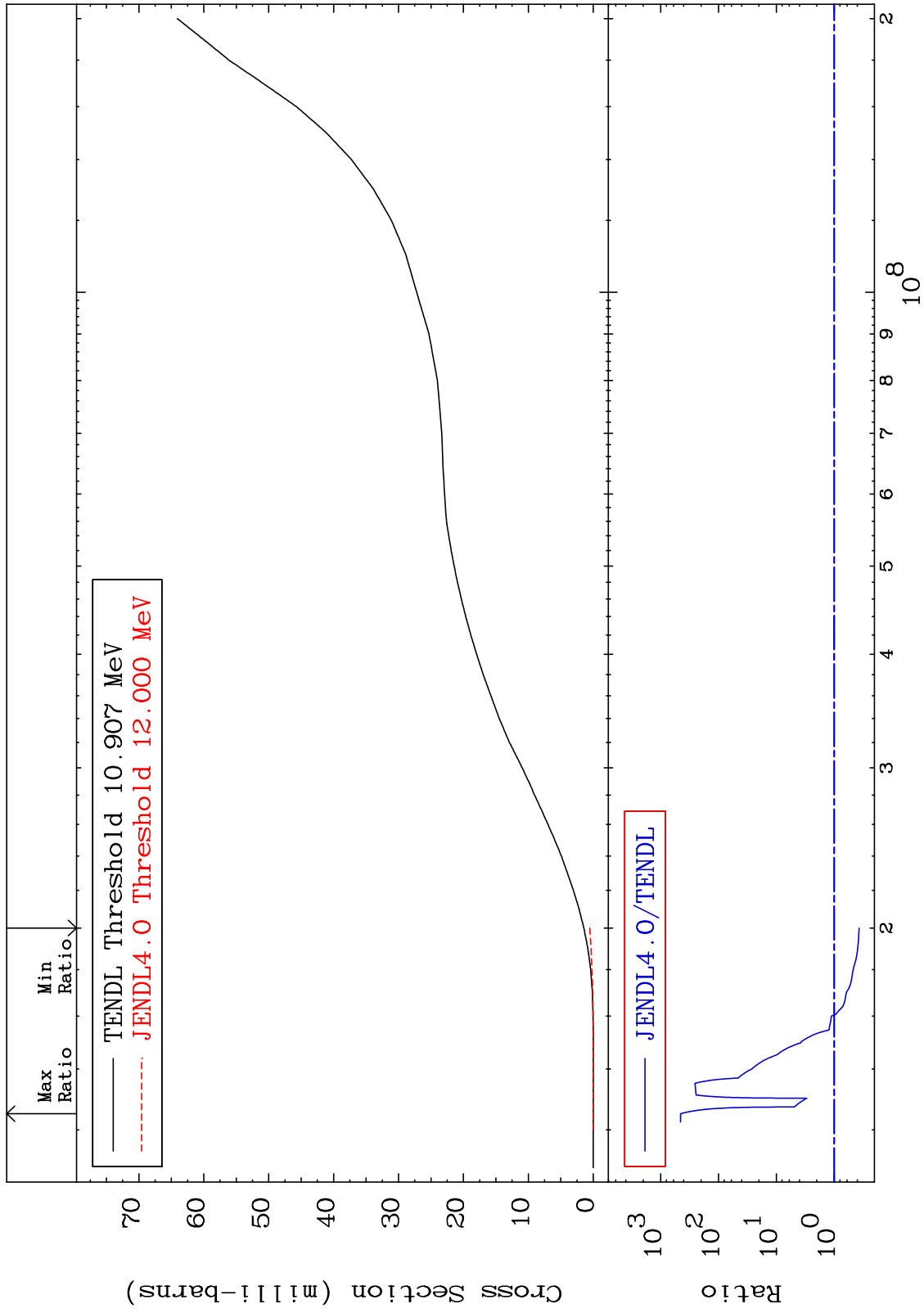
Incident Energy (eV)

<sup>36</sup>Kr-78

MAT 3625

Tritium Production  
Cross Section

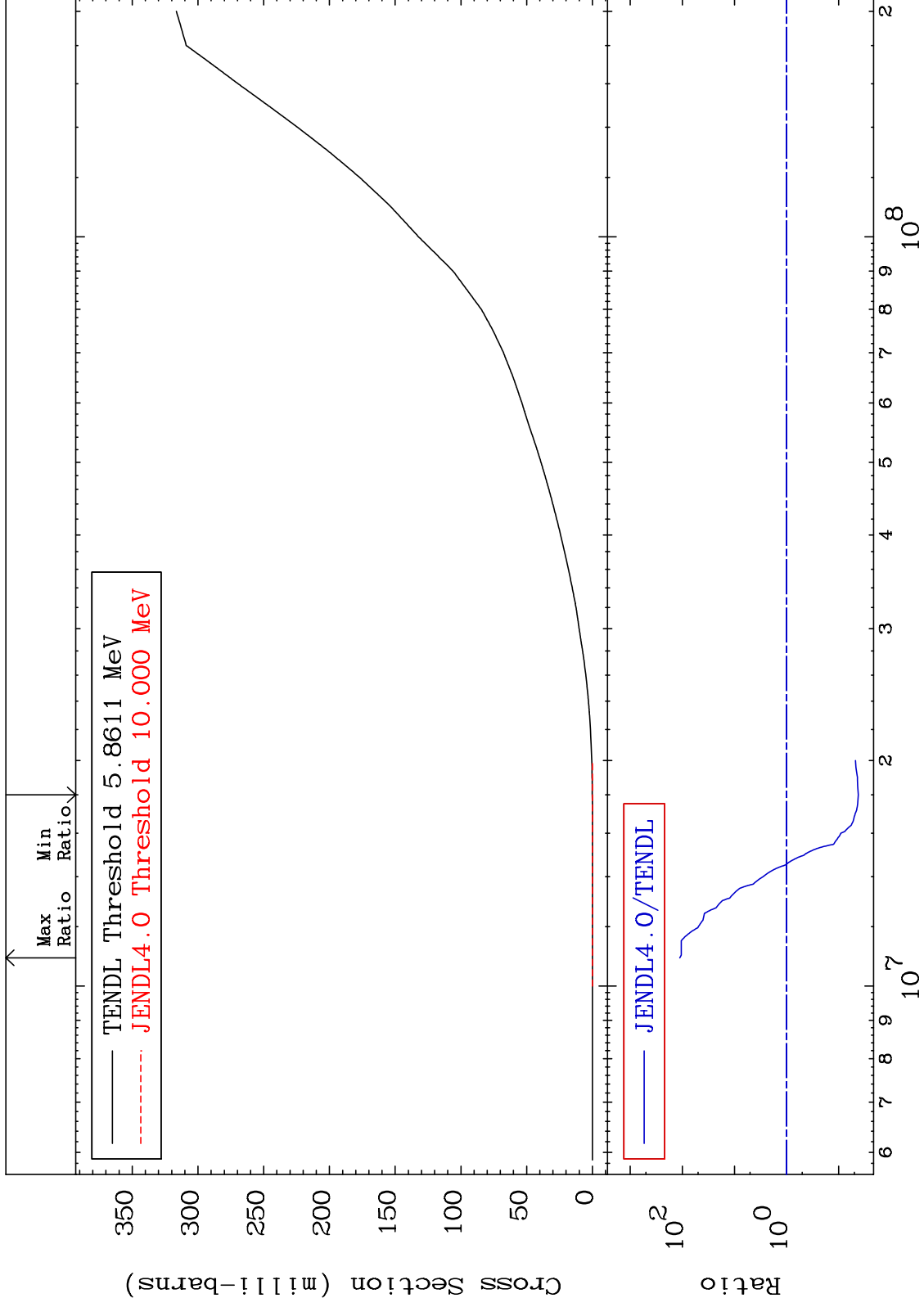
<sup>36</sup>Kr-78  
-62.86 To 9999. %



MAT 3625

He-3 Production  
Cross Section

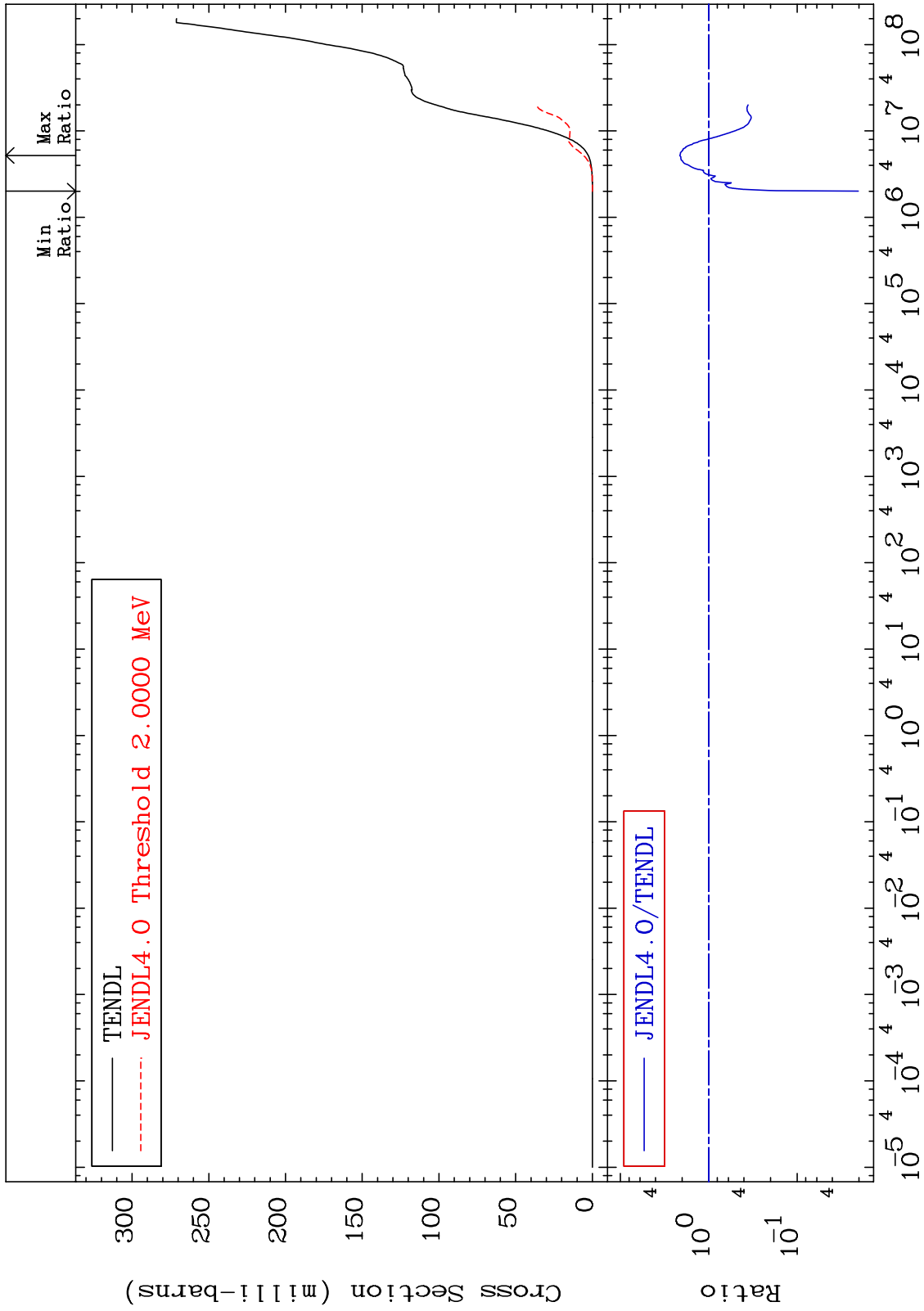
36-Kr-78  
-95.81 To 9999. %



MAT 3625

He-4 Production  
Cross Section

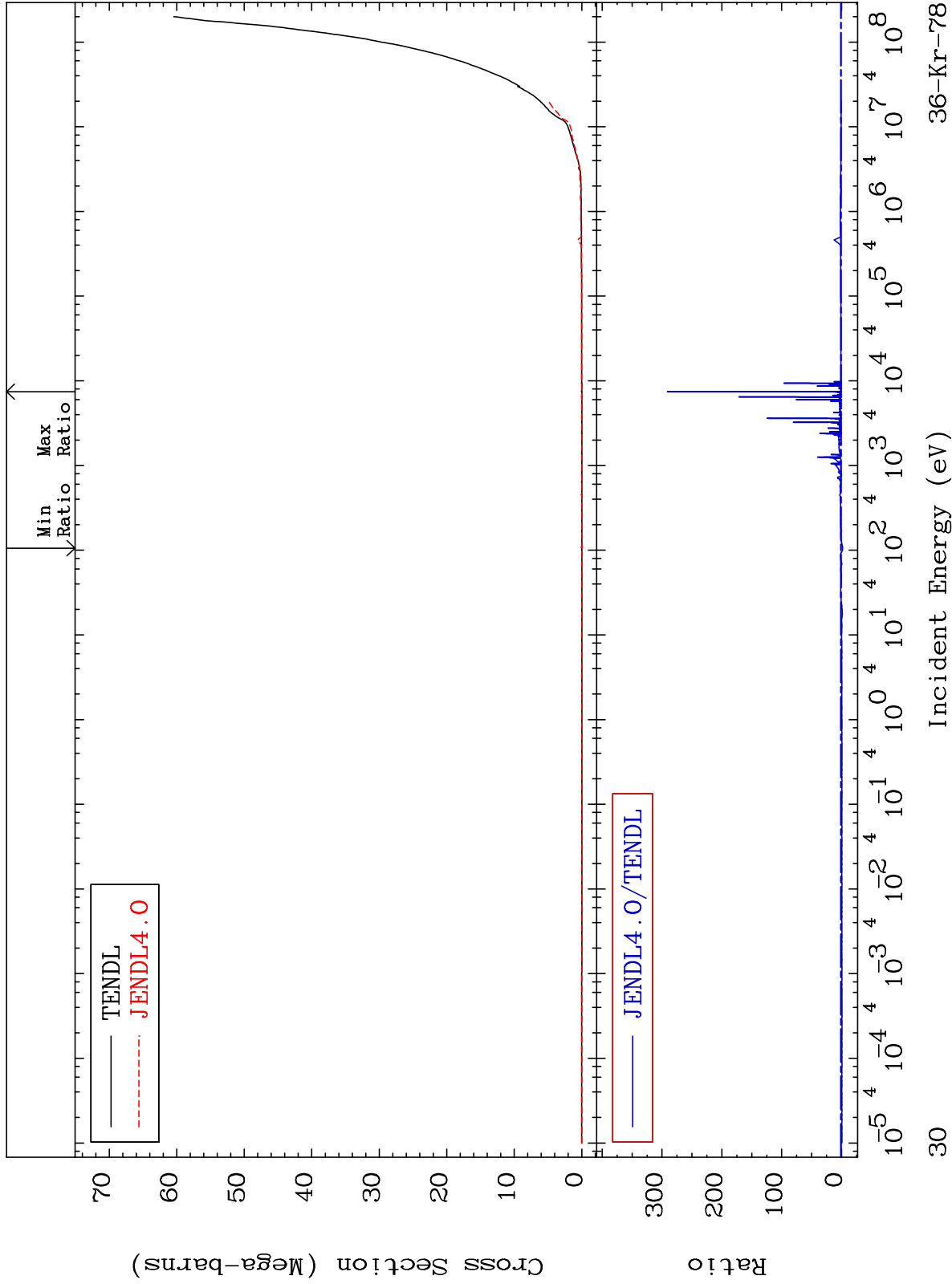
36-Kr-78  
-97.97 To 112.8 %



MAT 3625

Kerma total (eV-barns)  
Cross Section

36-Kr-78  
-290.7 To 9999. %



30

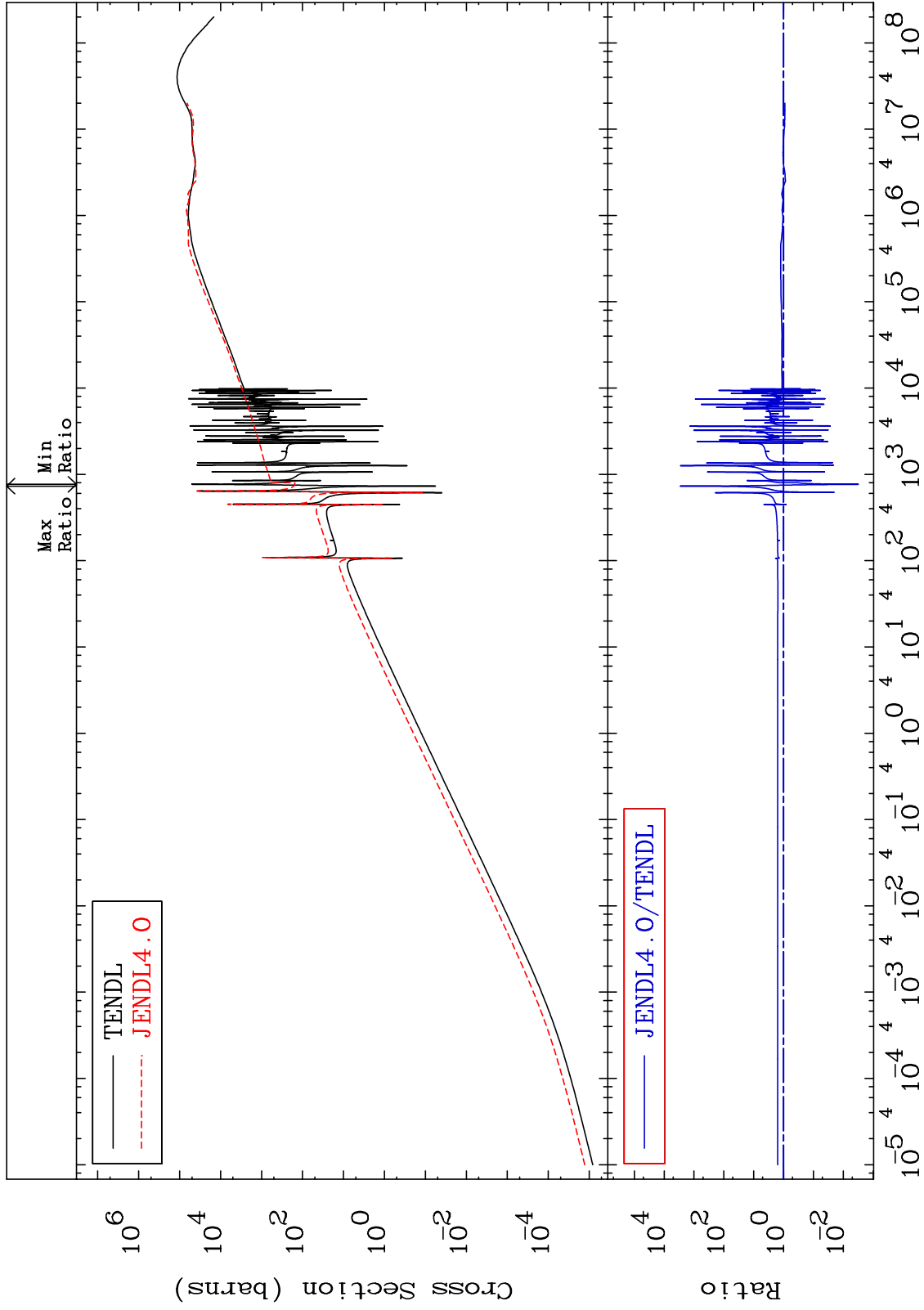
Incident Energy (eV)

36-Kr-78

MAT 3625

Kerma elastic  
Cross Section

36-Kr-78  
-99.69 To 9999. %

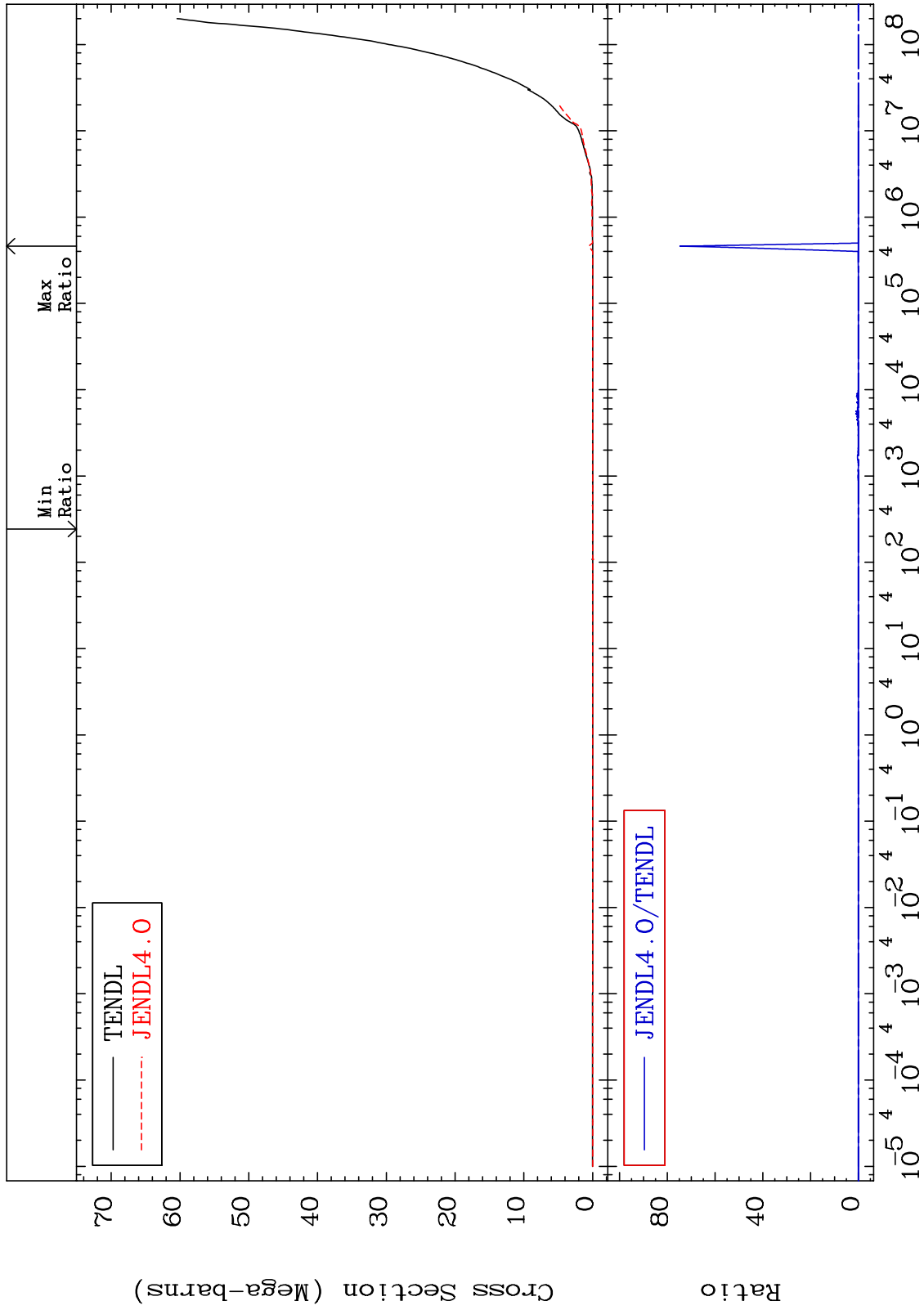




MAT 3625

Kerma non-elastic (all but mt2)  
Cross Section

36-Kr-78  
-596.1 To 9999. %



32

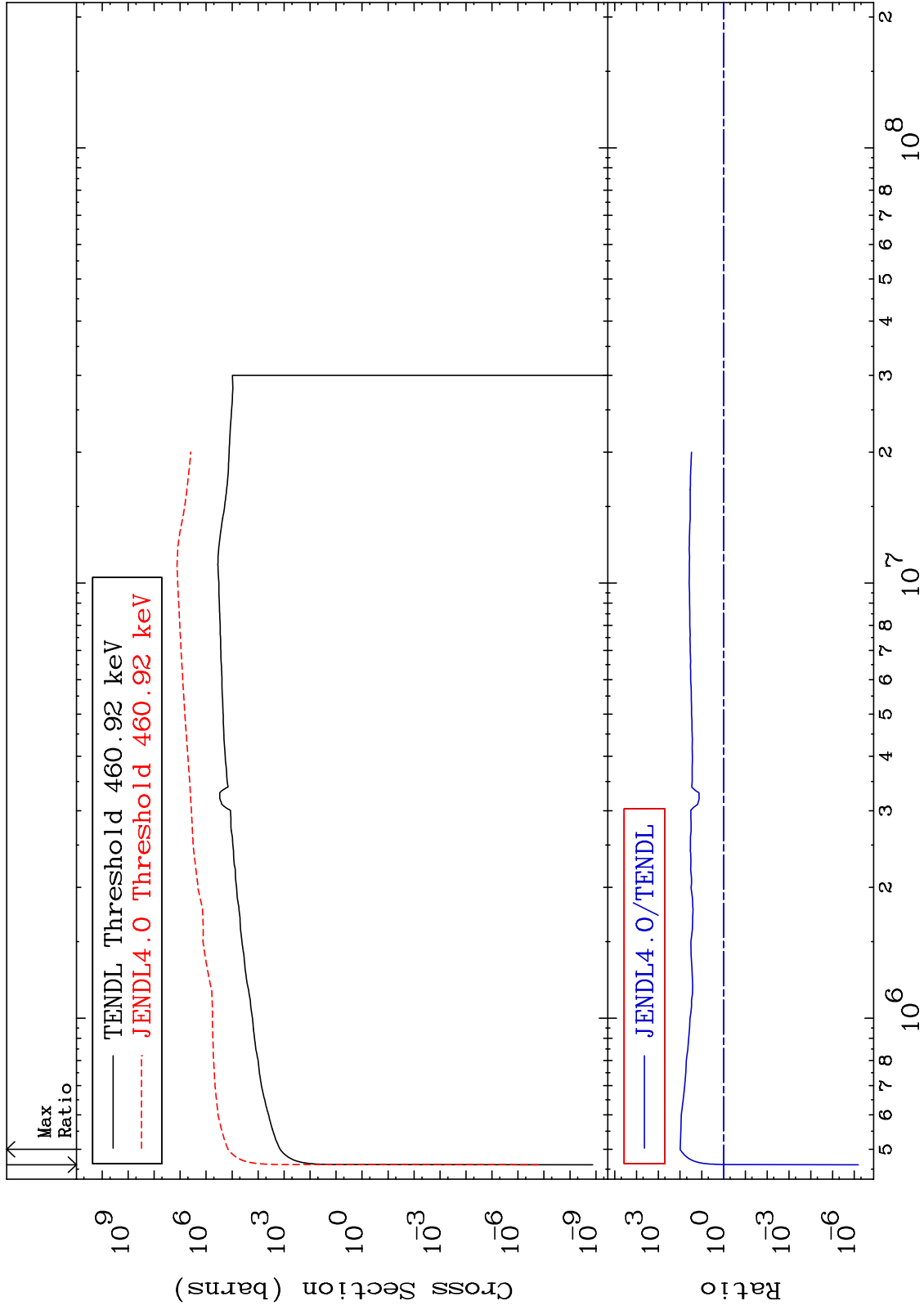
Incident Energy (eV)

36-Kr-78

MAT 3625

Kerma inelastic (mt51-91)  
Cross Section

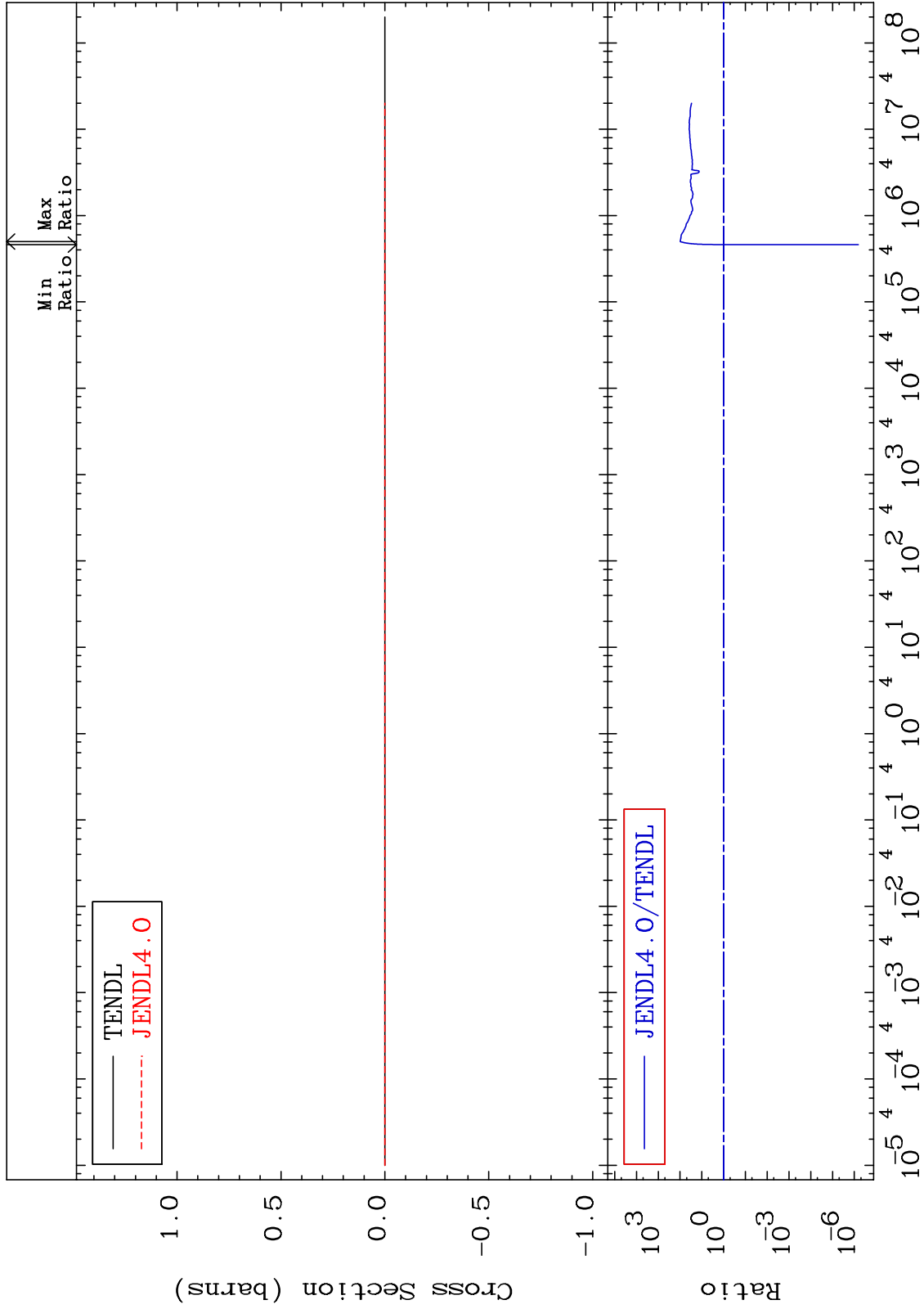
36-Kr-78  
-100.0 To 9931. %



MAT 3625

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

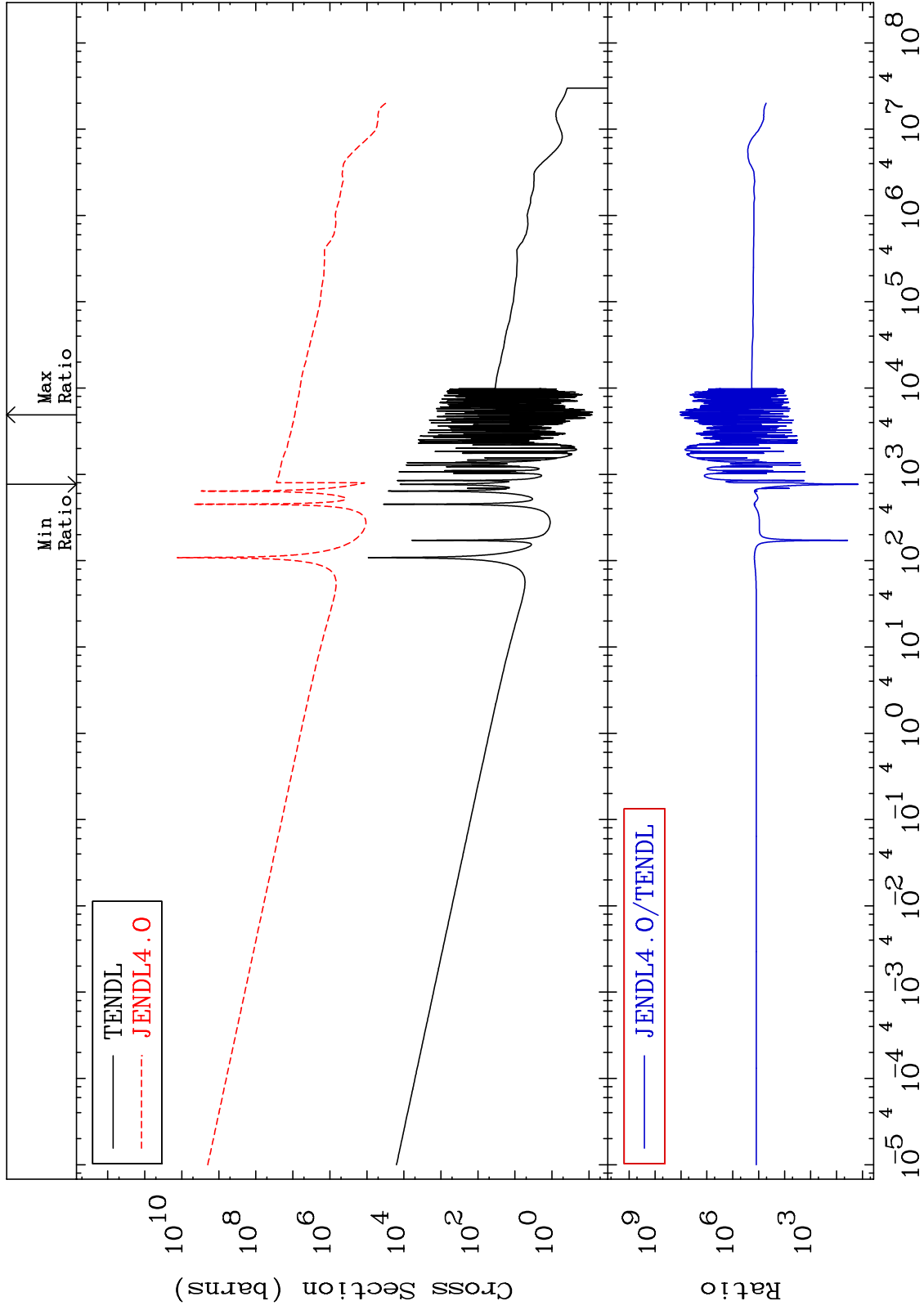
36-Kr-78  
-100.0 To 9931. %



MAT 3625

Kerma capture (mt102)  
Cross Section

36-Kr-78  
1337. To 9999. %



35

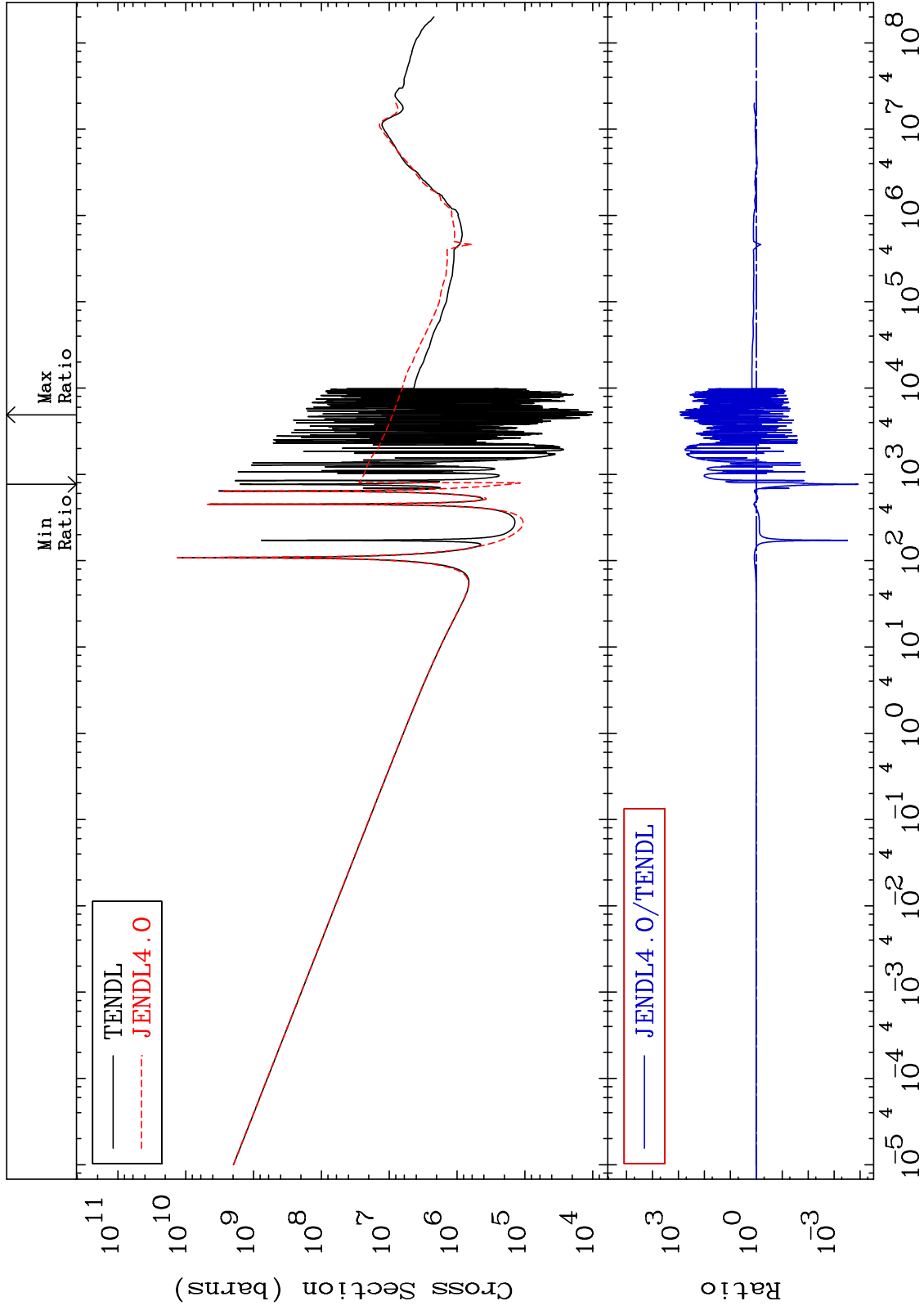
Incident Energy (eV)

36-Kr-78

MAT 3625

Total photon (eV-barns)  
Cross Section

36-Kr-78  
-99.99 To 9999. %



36

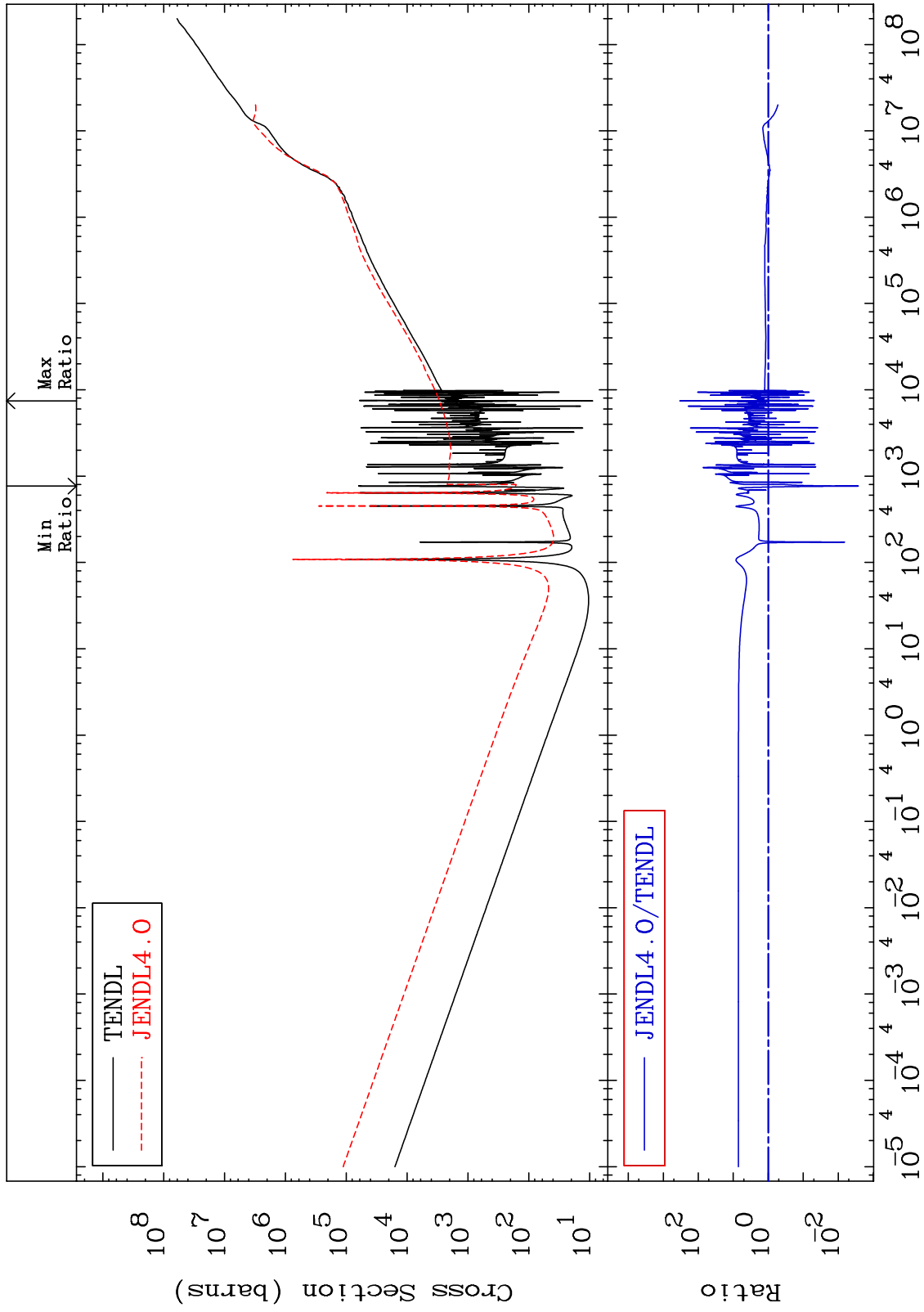
Incident Energy (eV)

36-Kr-78

MAT 3625

Total kinematic kerma (high limit)  
Cross Section

36-Kr-78  
-99.74 To 9999. %



37

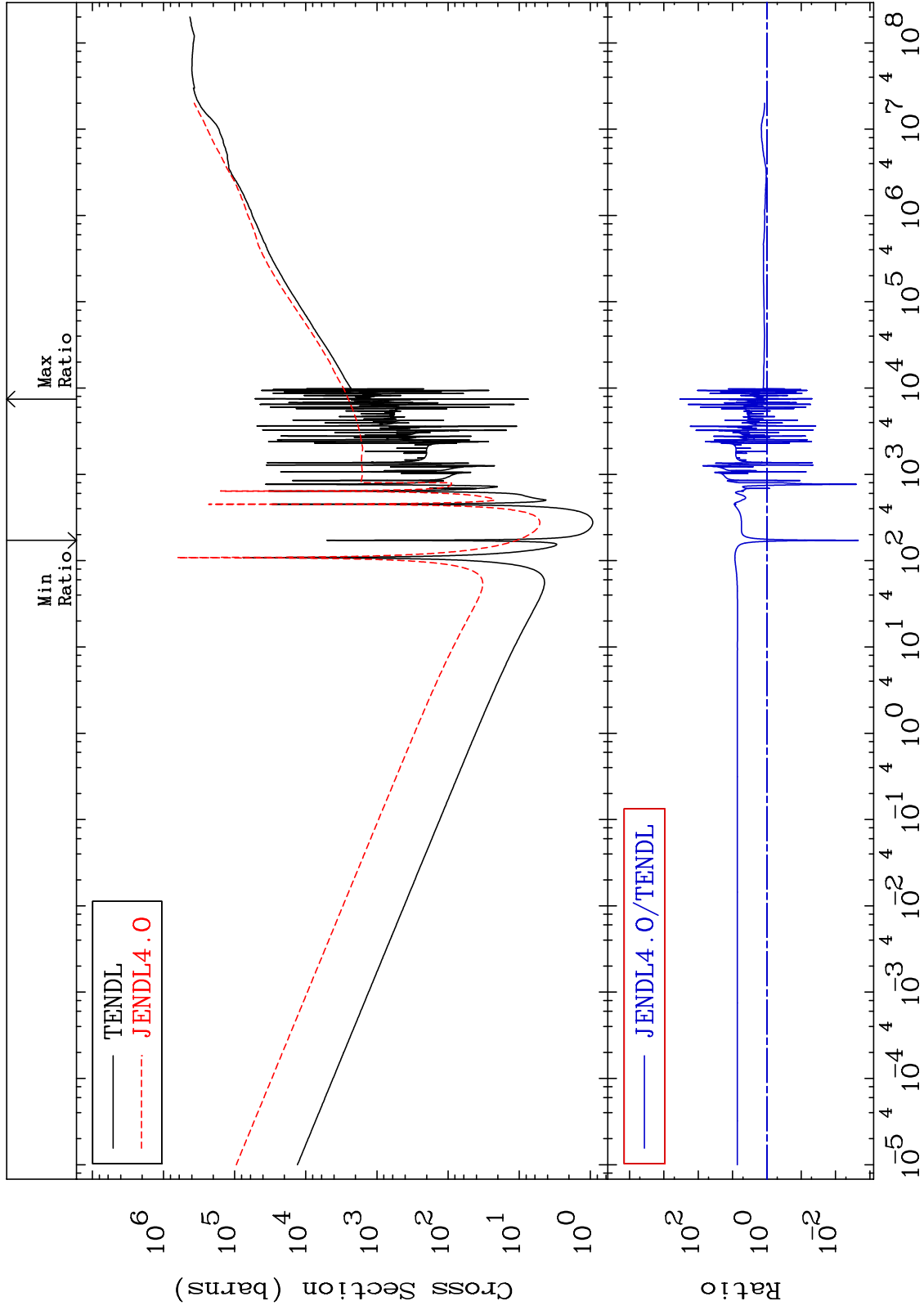
Incident Energy (eV)

36-Kr-78

MAT 3625

Dpa total (eV-barns)  
Cross Section

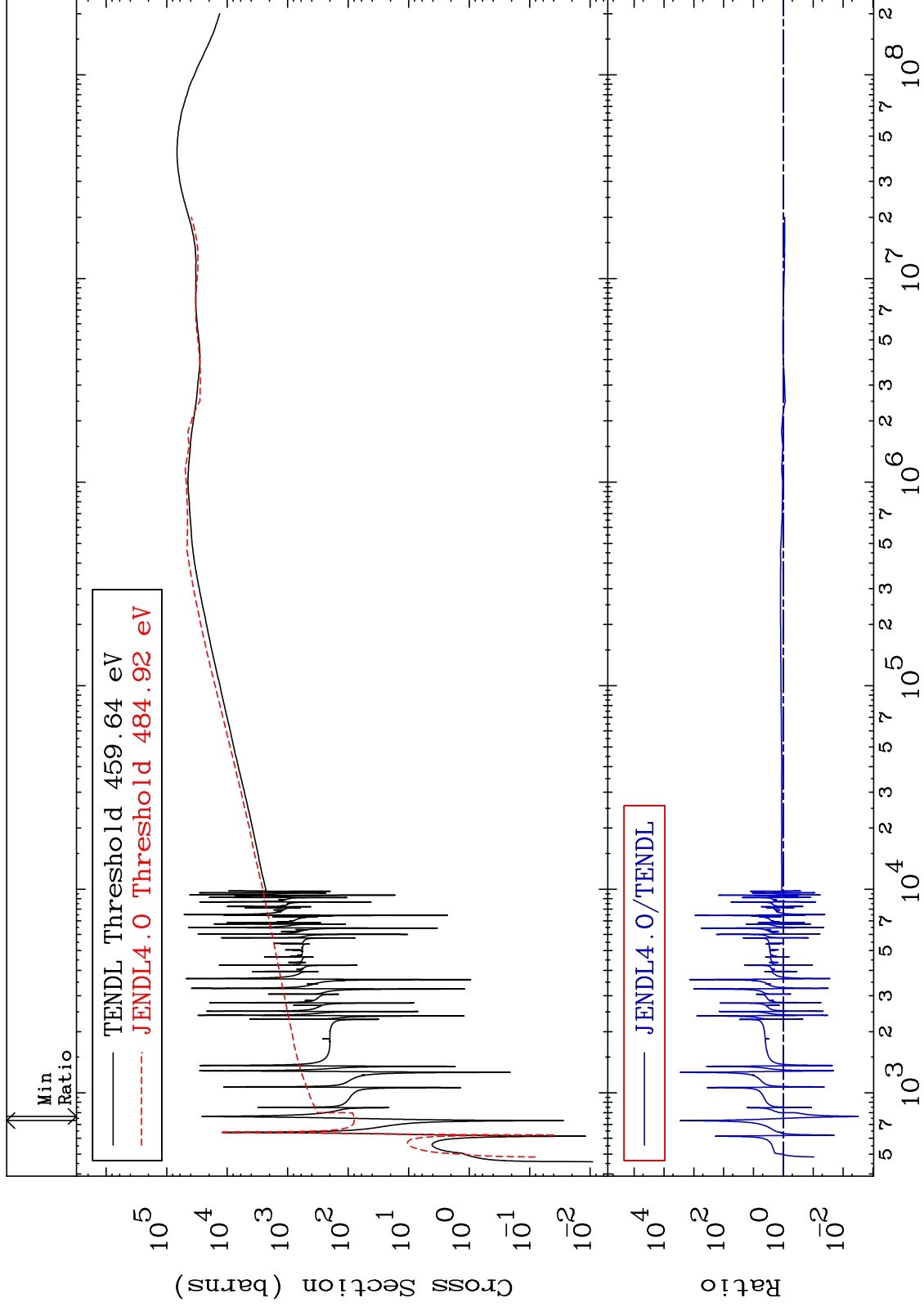
36-Kr-78  
-99.78 To 9999. %



MAT 3625

Dpa elastic (mt2)  
Cross Section

36-Kr-78  
-99.69 To 9999. %

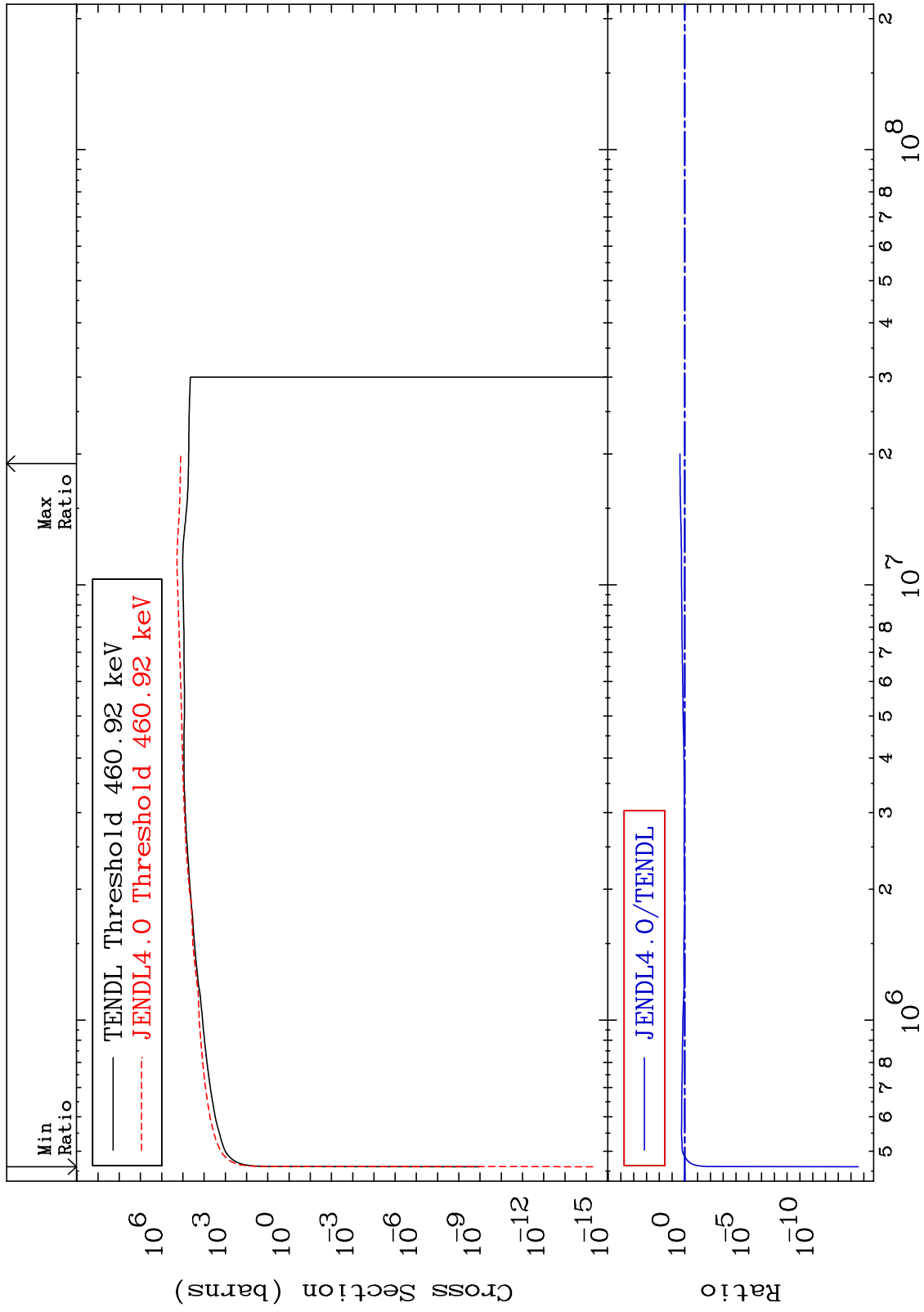




MAT 3625

Dpa inelastic (mt51-91)  
Cross Section

36-Kr-78  
-100.0 To 138.5 %



40

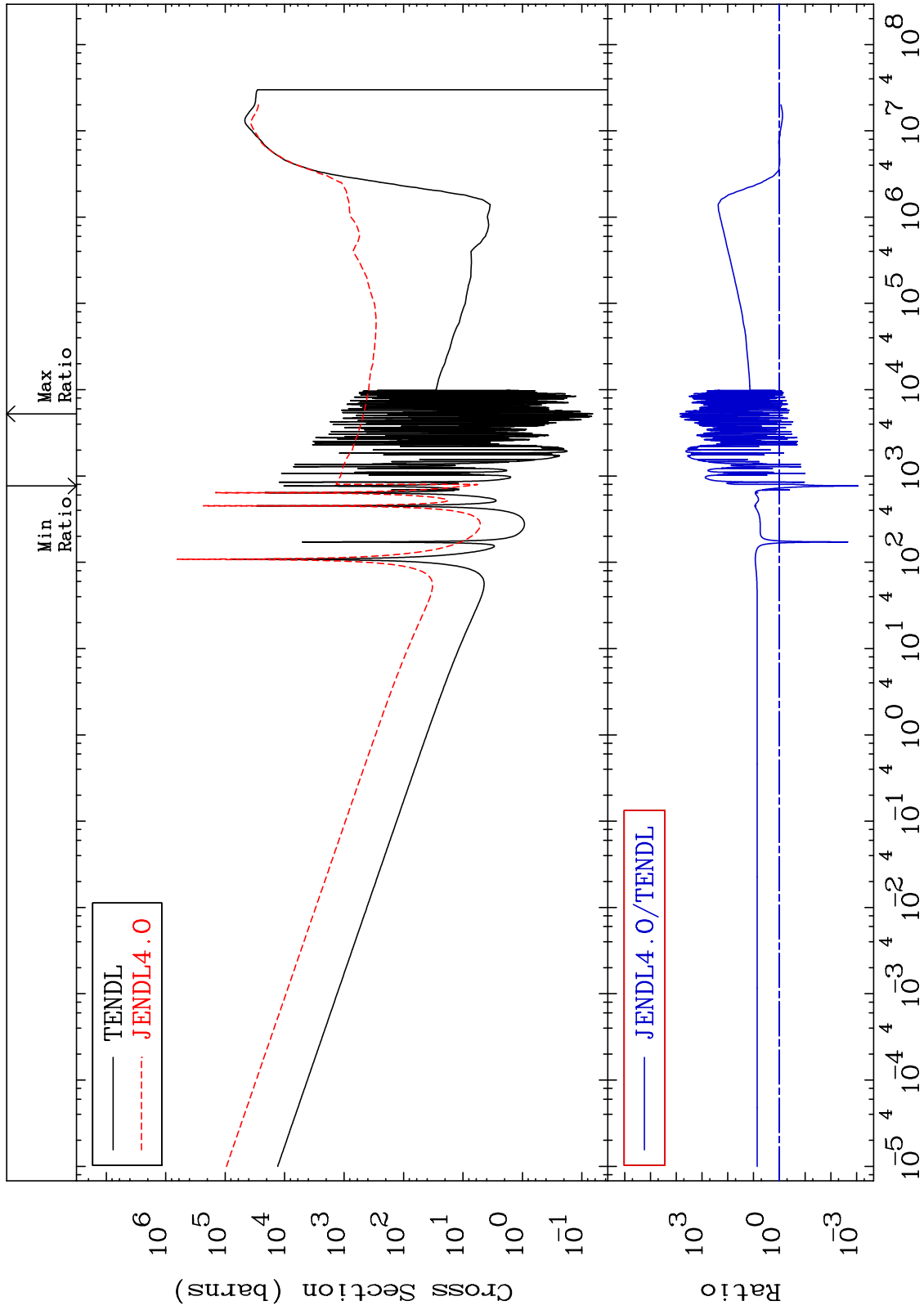
Incident Energy (eV)

36-Kr-78

MAT 3625

Dpa disappearance (mt102 -120)  
Cross Section

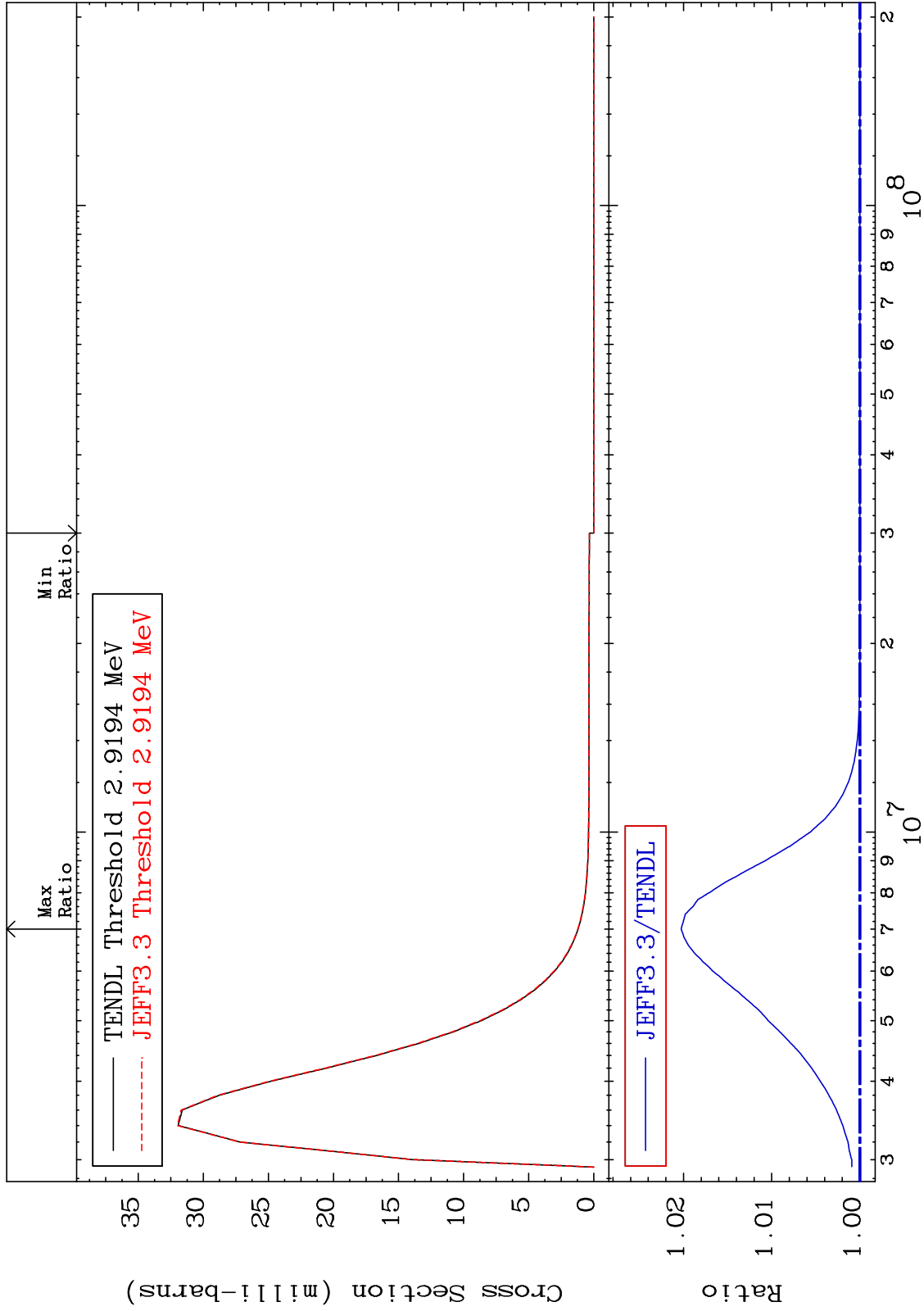
36-Kr-78  
-99.92 To 9999. %



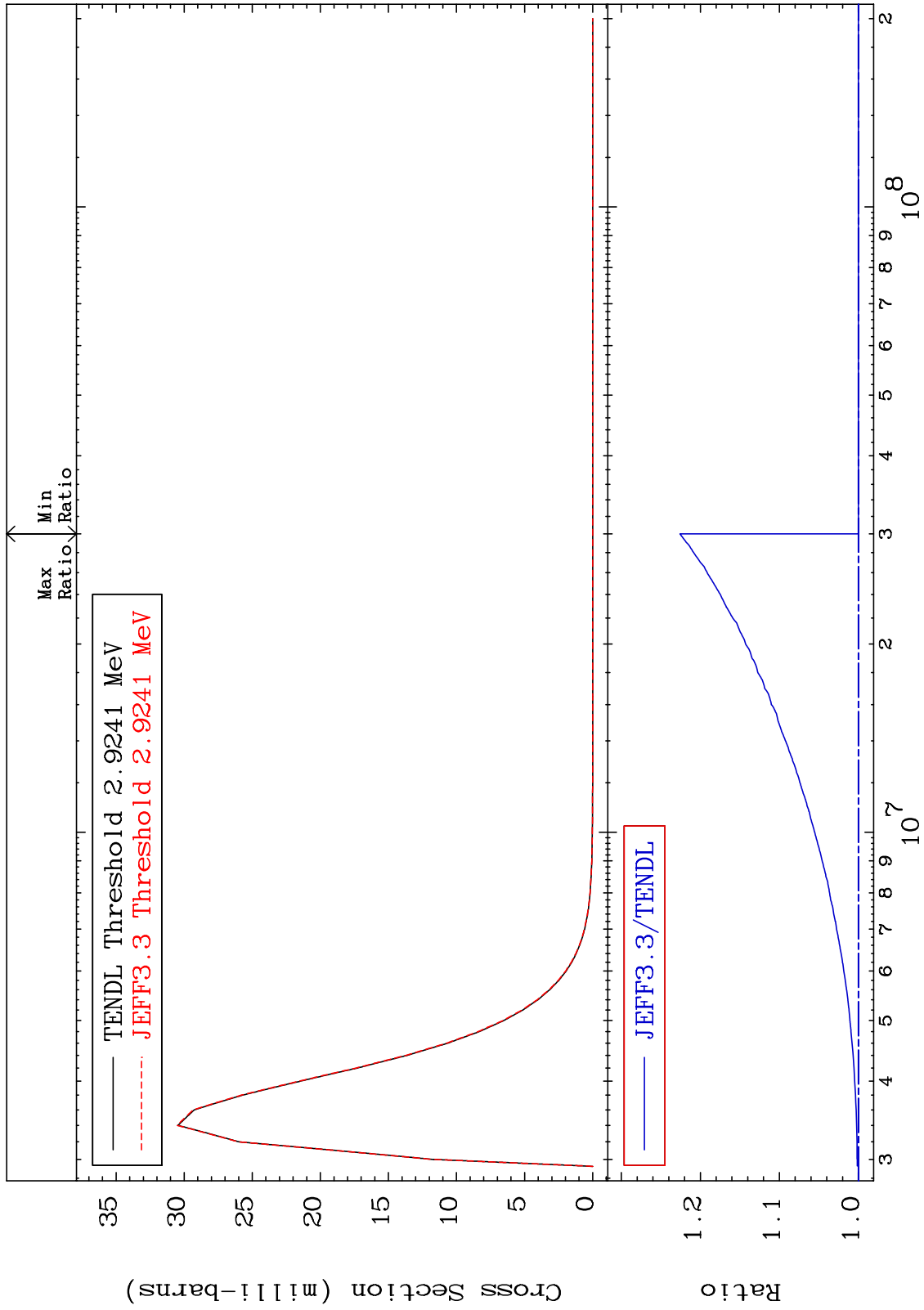
MAT 3625

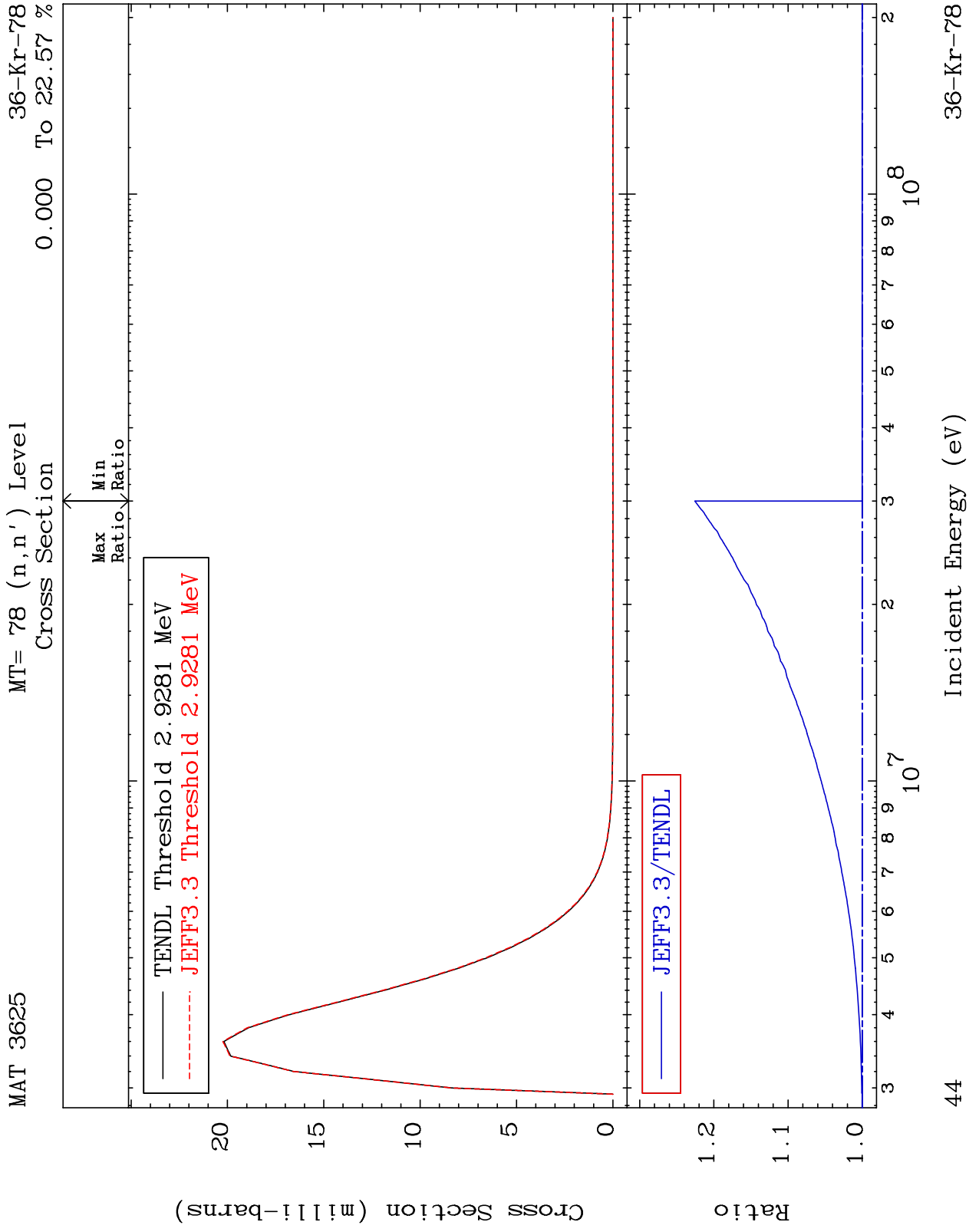
MT= 76 (n, n') Level  
Cross Section

0.000 To 2.026 %  
36-Kr-78



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

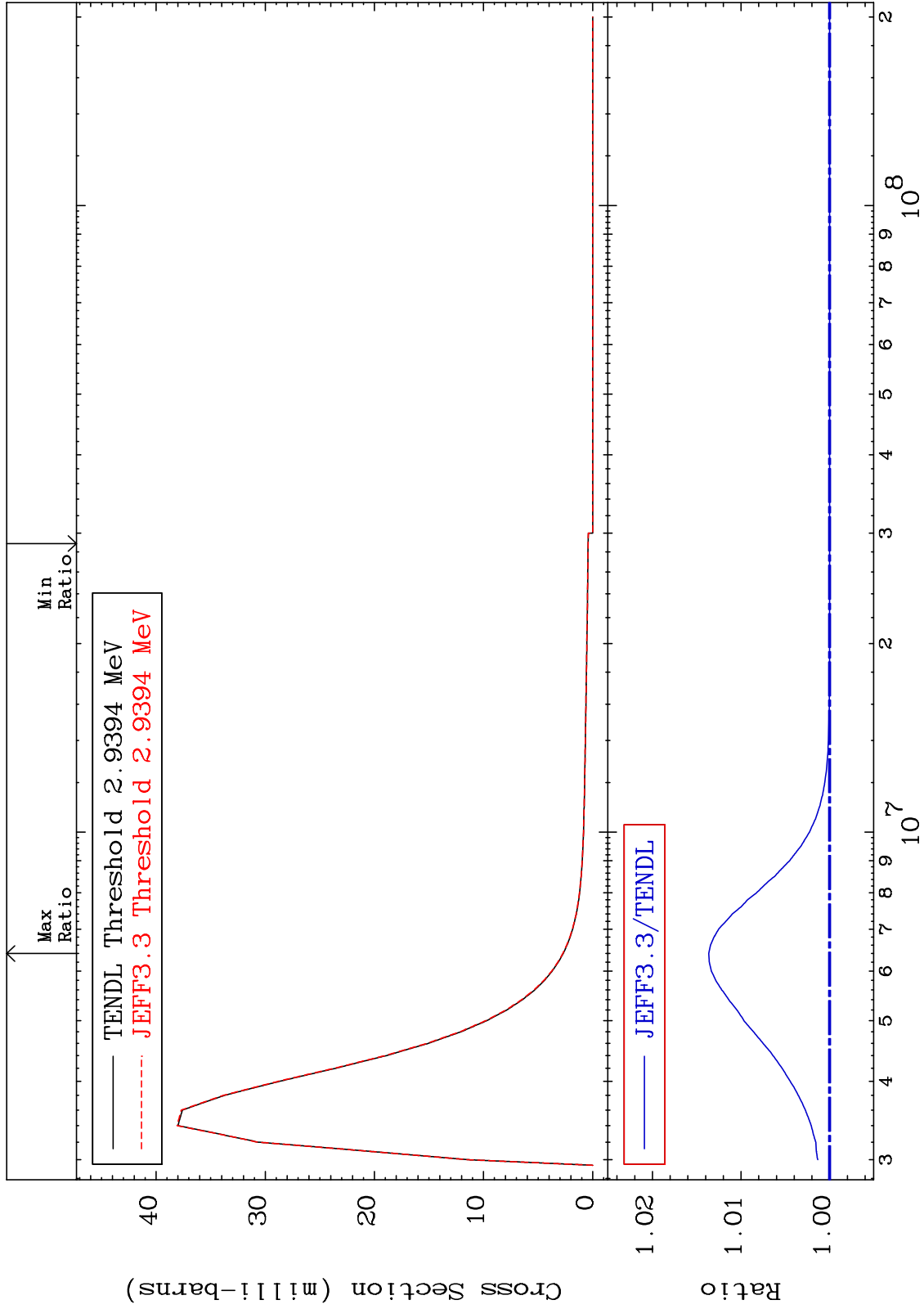




MAT 3625

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

36-Kr-78  
0.000 To 1.364 %



45

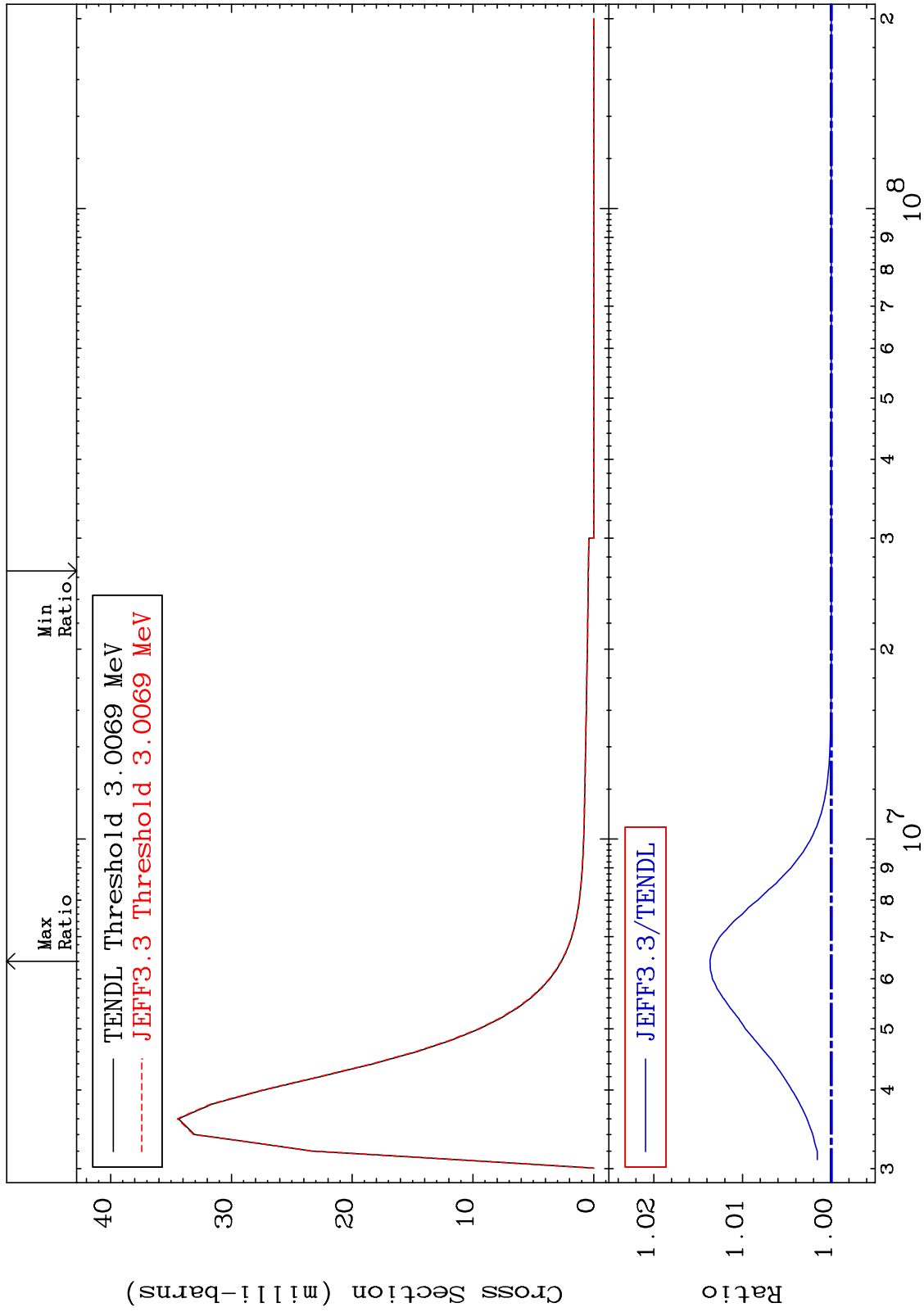
Incident Energy (eV)

36-Kr-78

MAT 3625

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

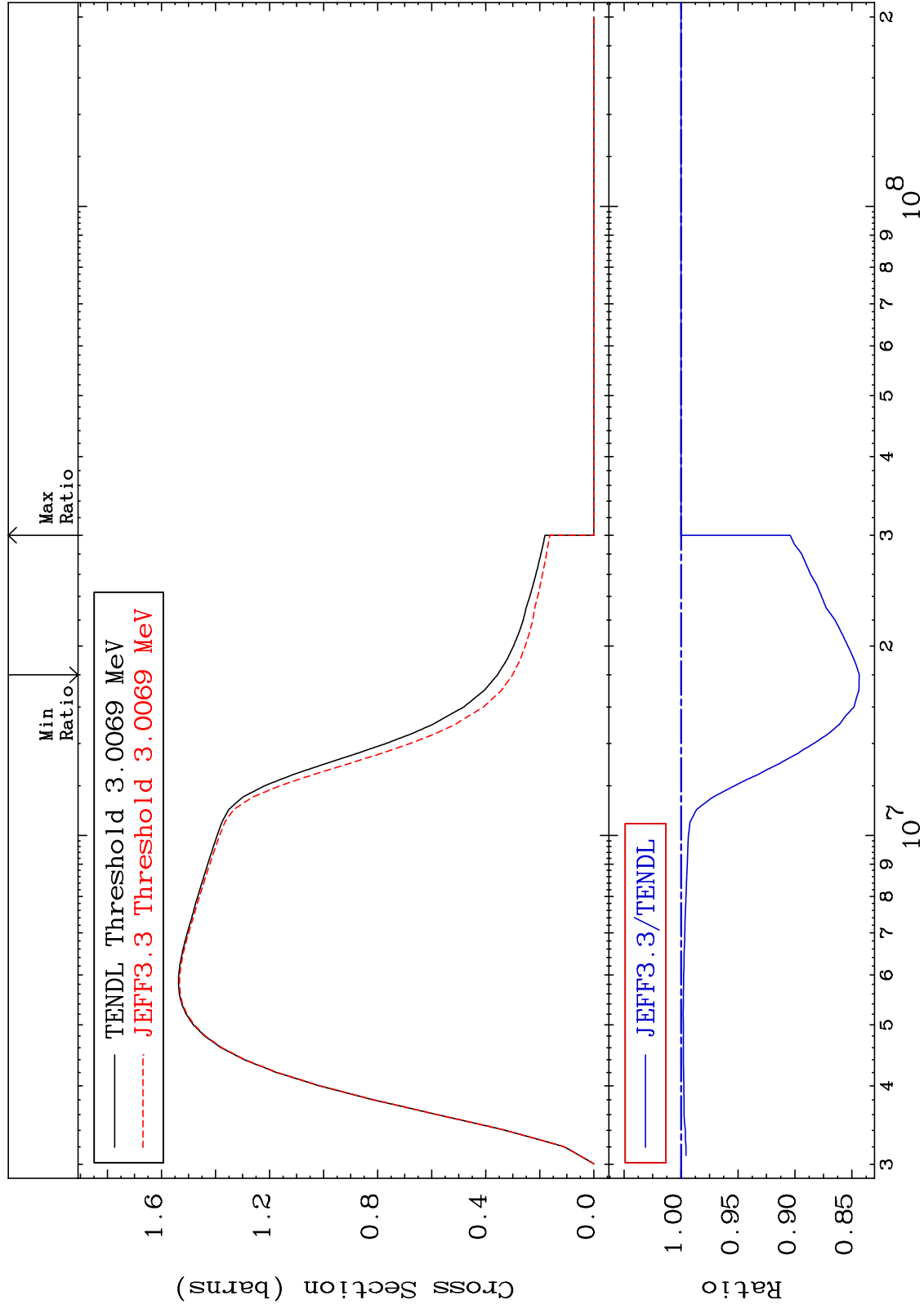
36-Kr-78  
0.000 To 1.368 %



MAT 3625

(n, n') Continuum  
Cross Section

36-Kr-78  
-15.65 To 0.000 %



47

Incident Energy (eV)

36-Kr-78



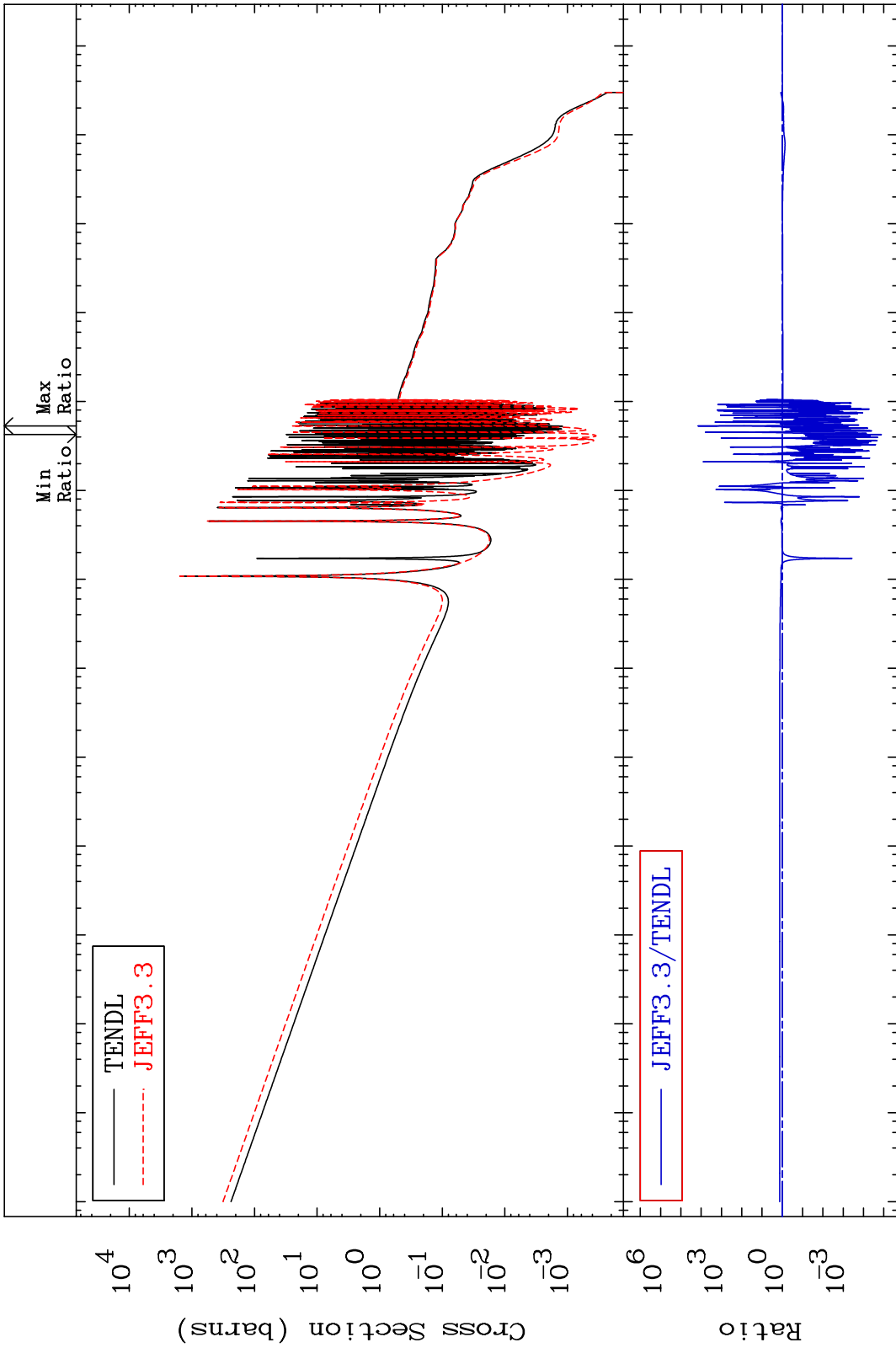
MAT 3625

(n,  $\gamma$ )

<sup>36</sup>Kr-78

-100.0 To 9999. %

Cross Section



48

Incident Energy (eV)

<sup>36</sup>Kr-78

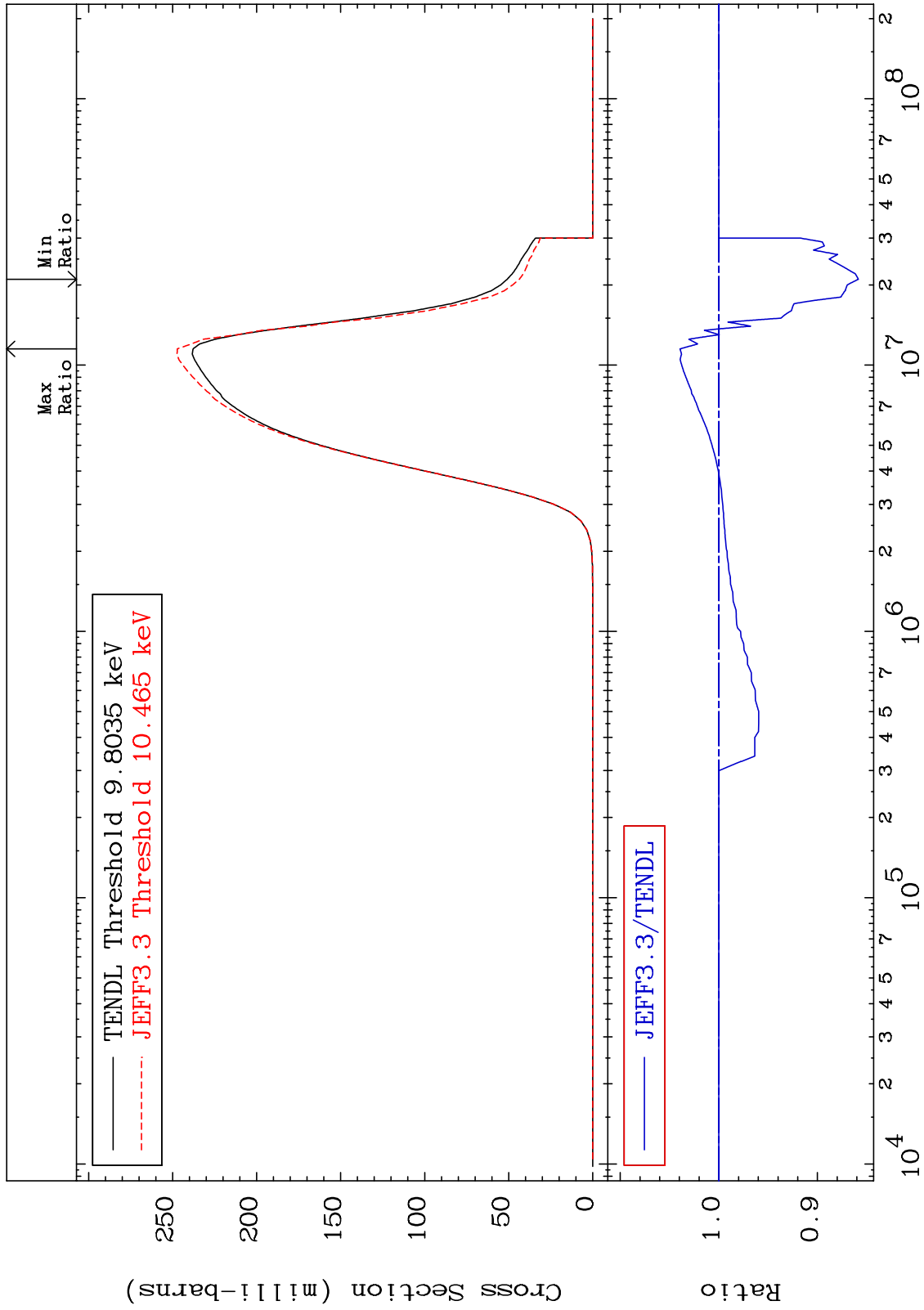
MAT 3625

(n,p)

36-Kr-78

Cross Section

-14.15 To 3.937 %



Incident Energy (eV)

36-Kr-78

49

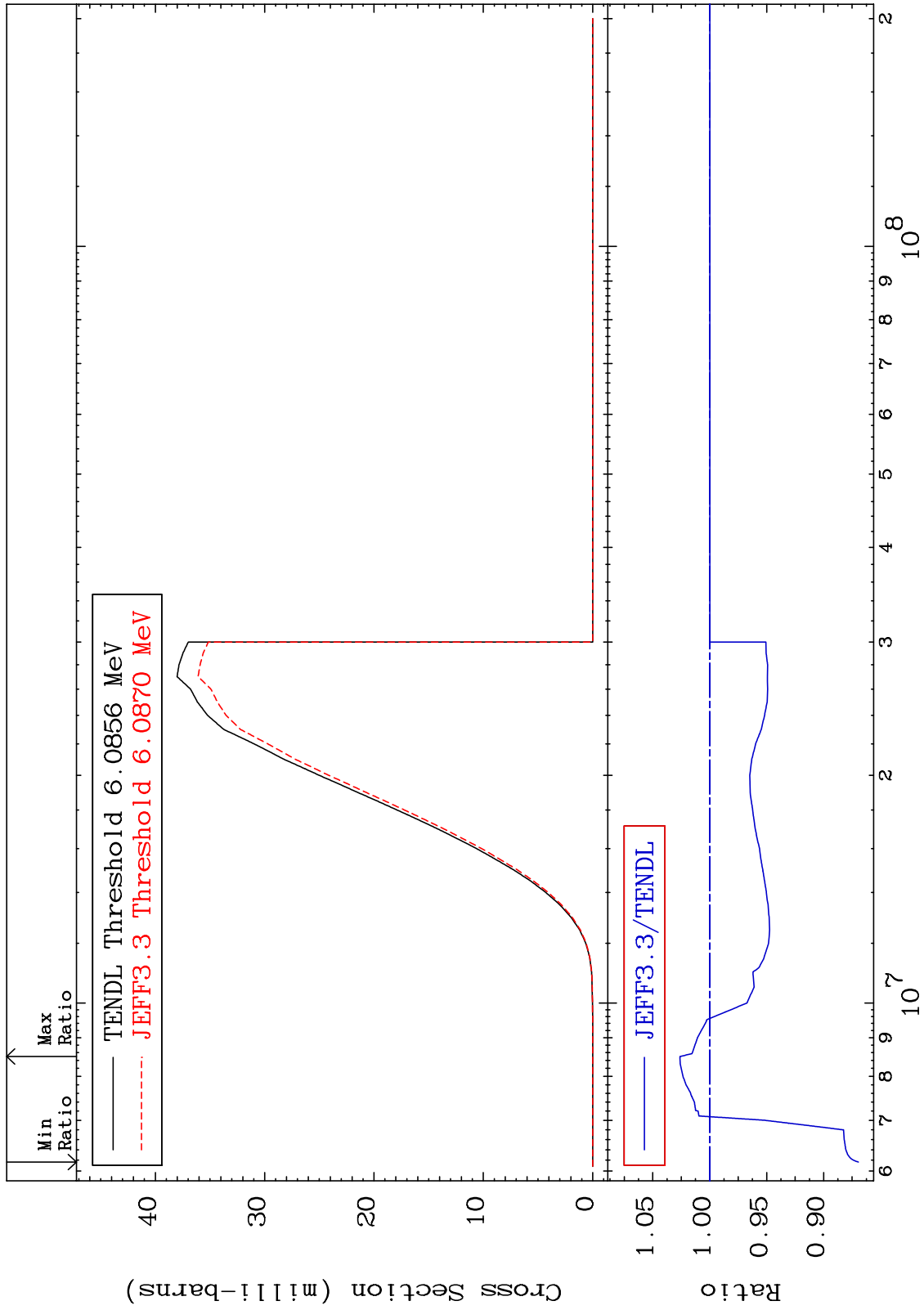
MAT 3625

(n, d)

36-Kr-78

Cross Section

-13.05 To 2.607 %



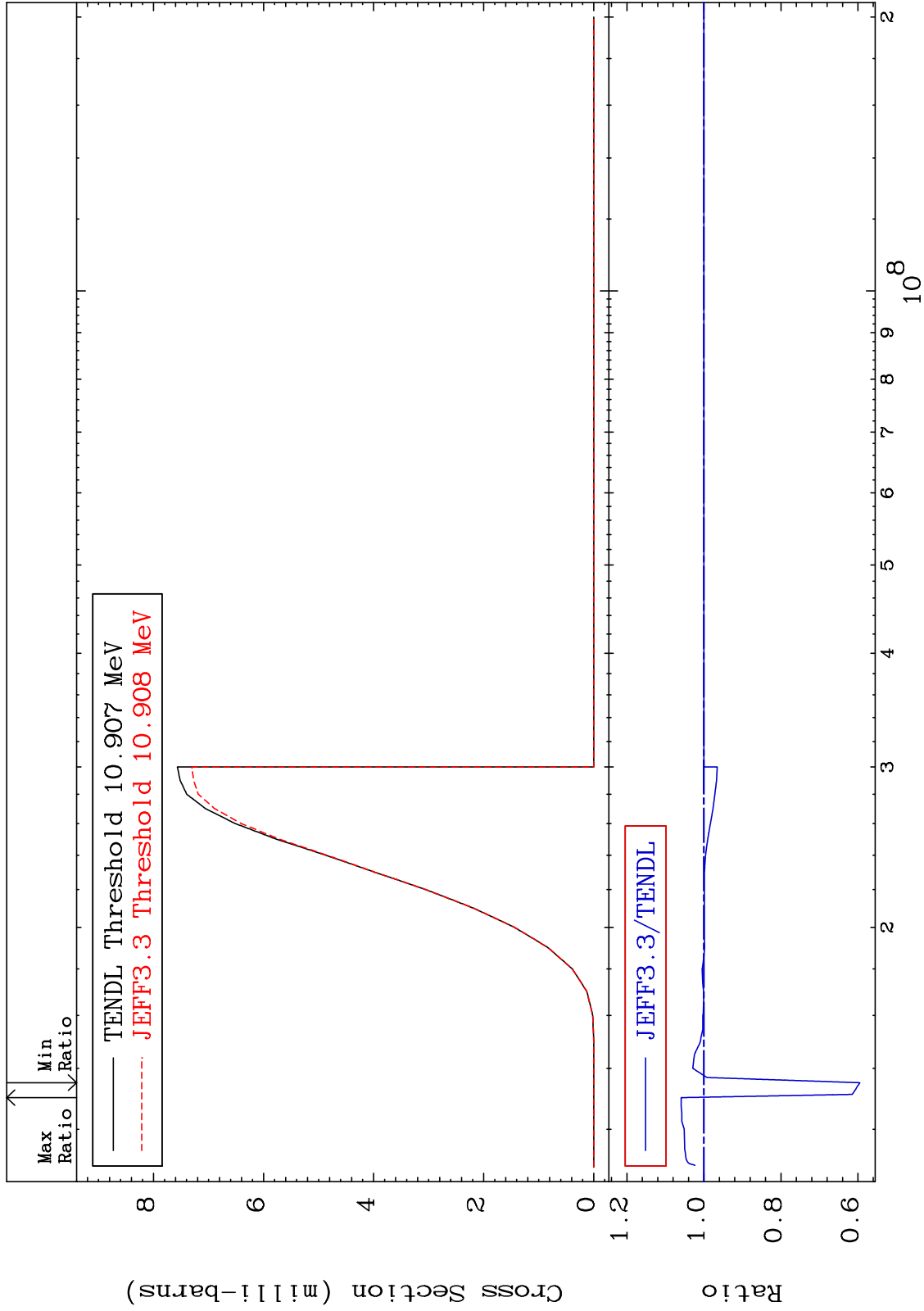
50

Incident Energy (eV)

36-Kr-78

Cross Section

-40.52 To 5.902 %



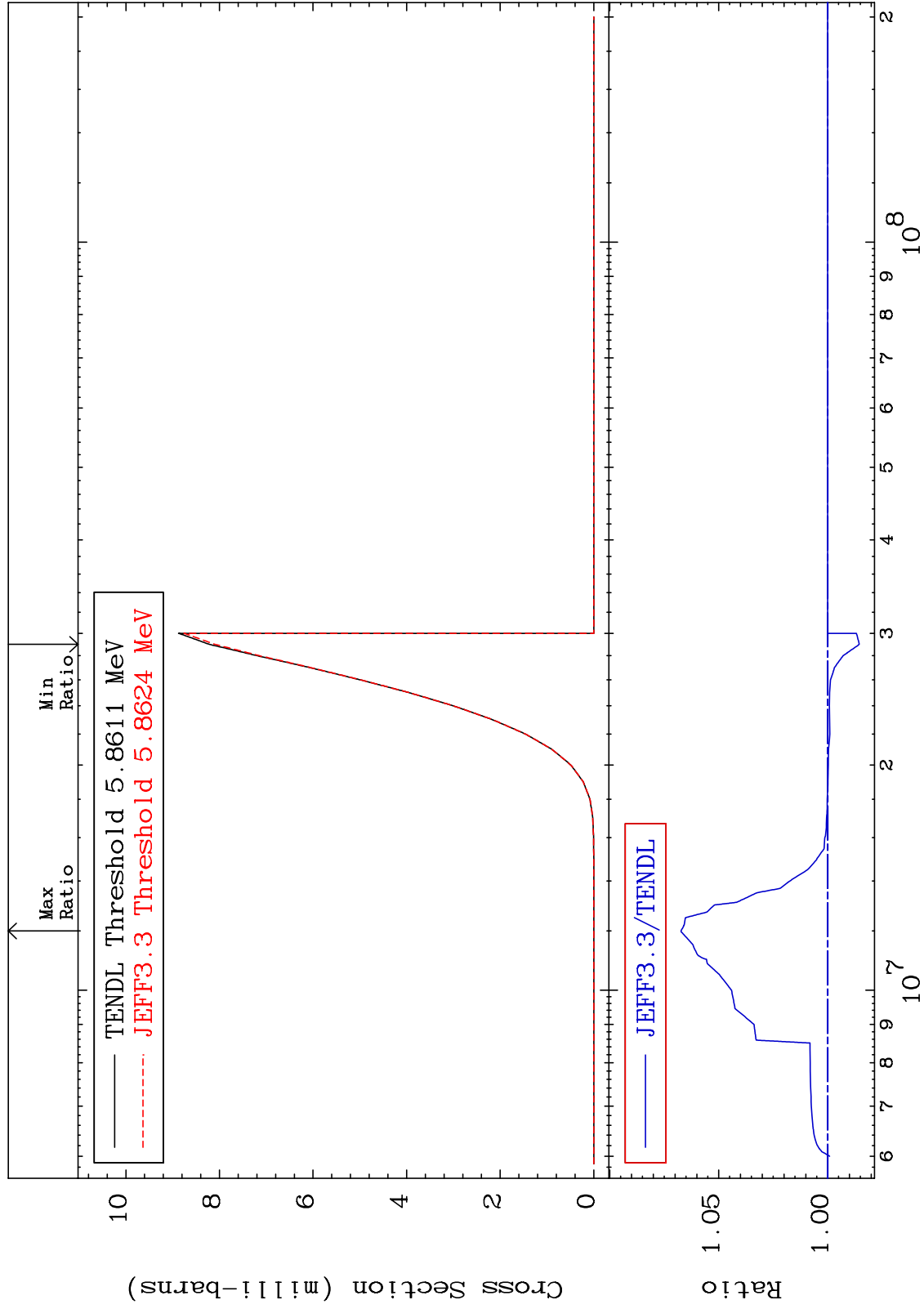
MAT 3625

(n, He-3)

<sup>36</sup>Kr-78

-1.449 To 6.726 %

Cross Section



52

Incident Energy (eV)

<sup>36</sup>Kr-78

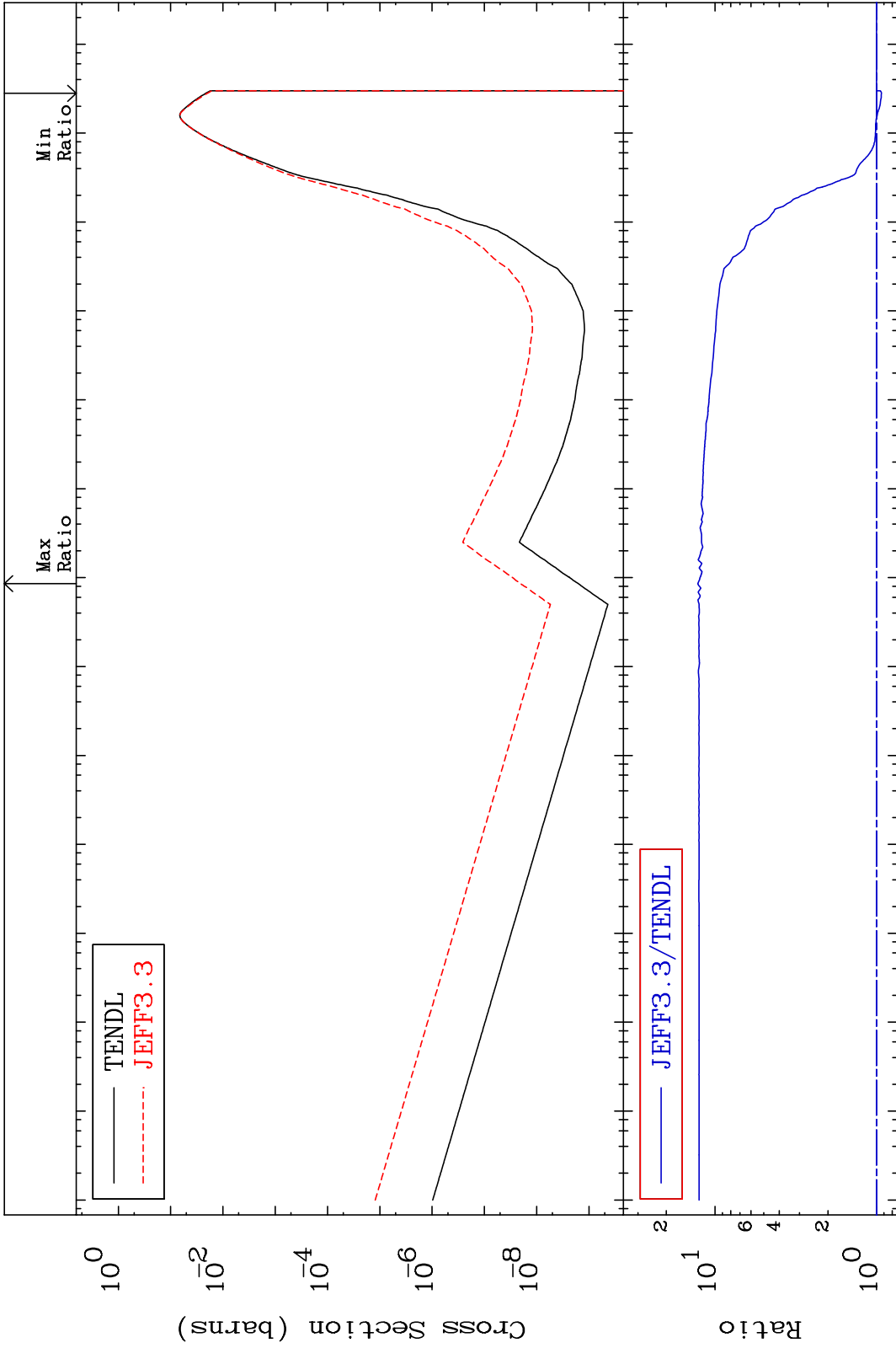
MAT 3625

(n,  $\alpha$ )

36-Kr-78

Cross Section

-6.780 To 1178. %



Incident Energy (eV)

36-Kr-78

53

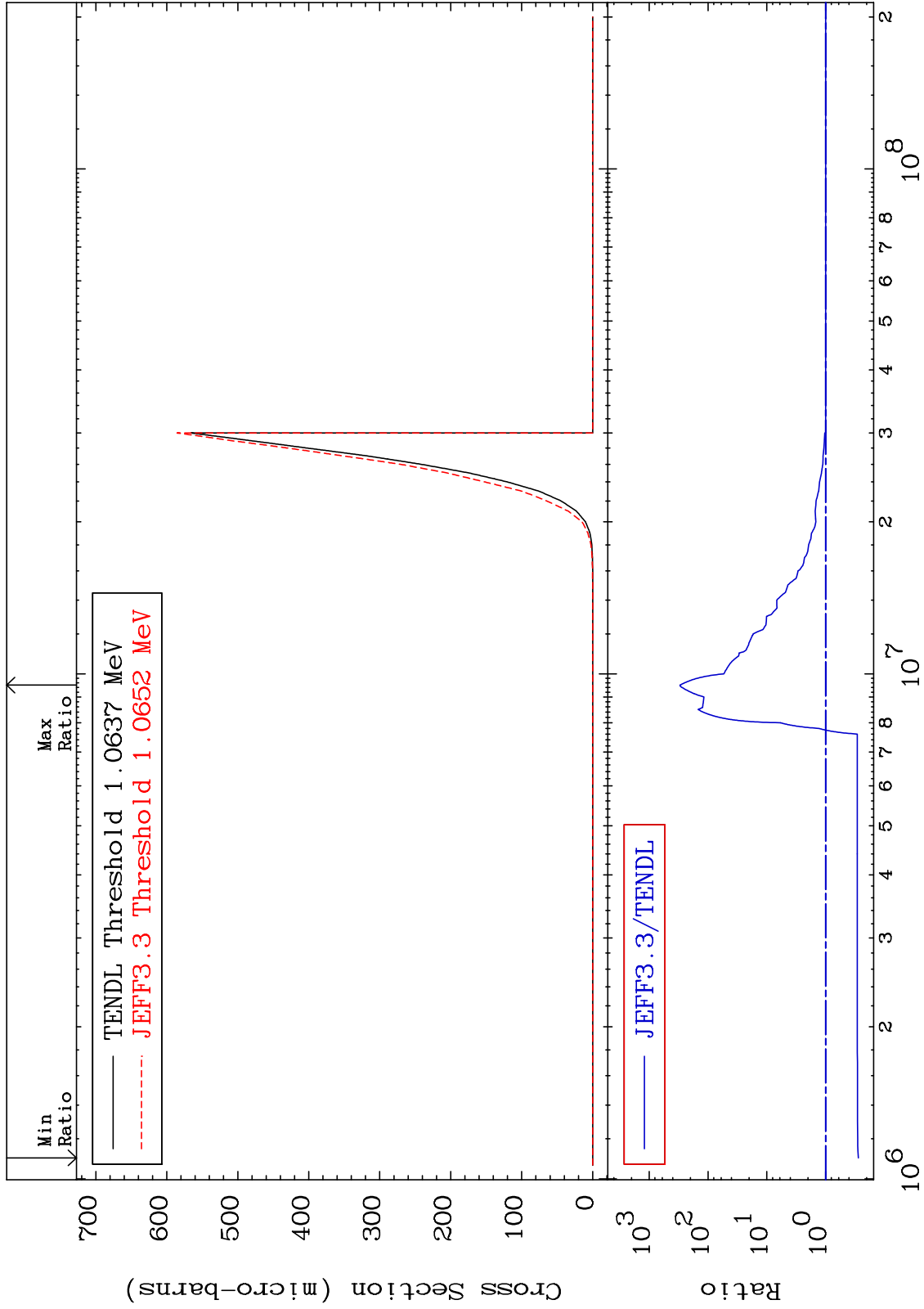
MAT 3625

(n, 2α)

<sup>36</sup>Kr-78

-72.29 To 9999. %

Cross Section

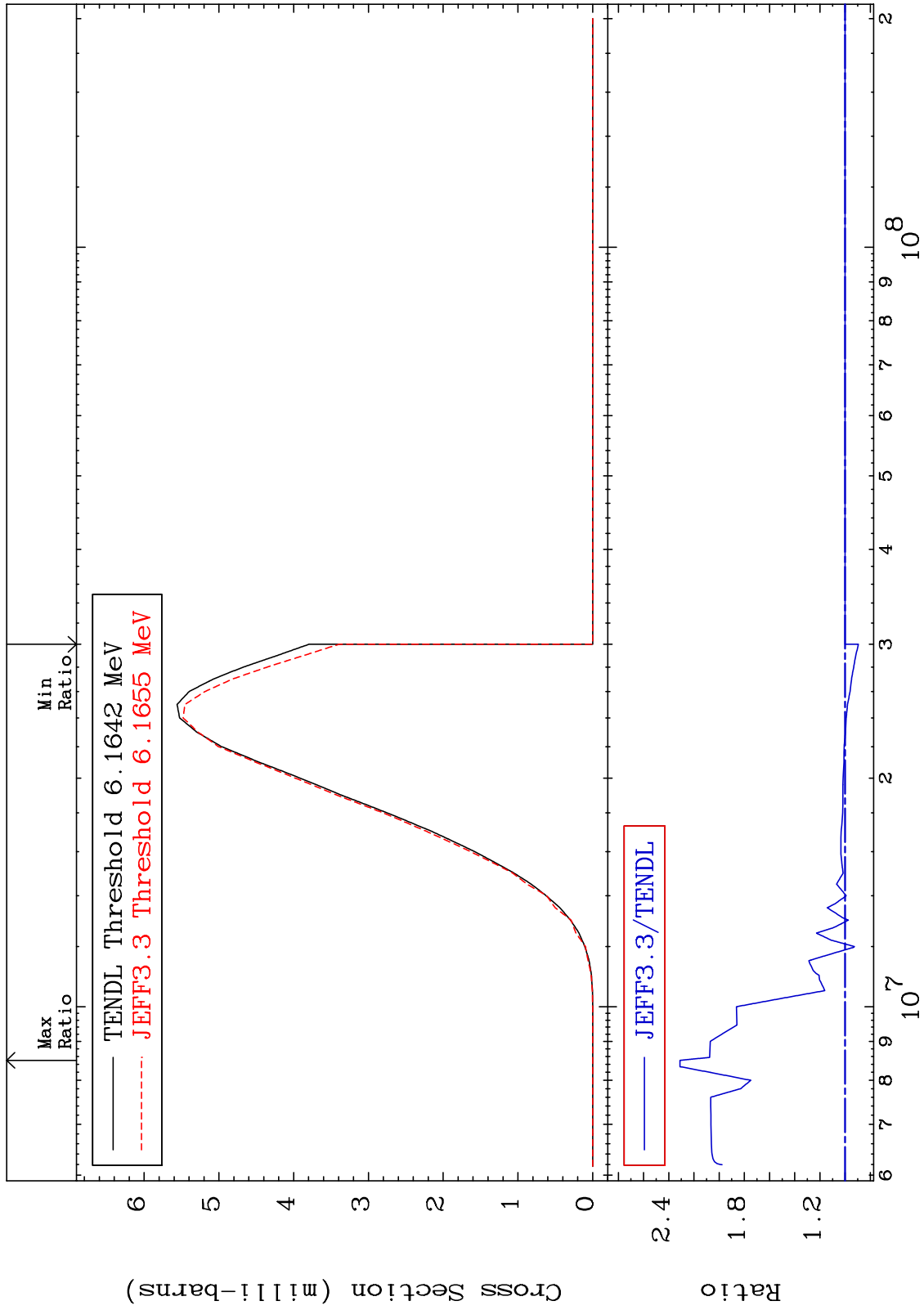


54

Incident Energy (eV)

<sup>36</sup>Kr-78

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





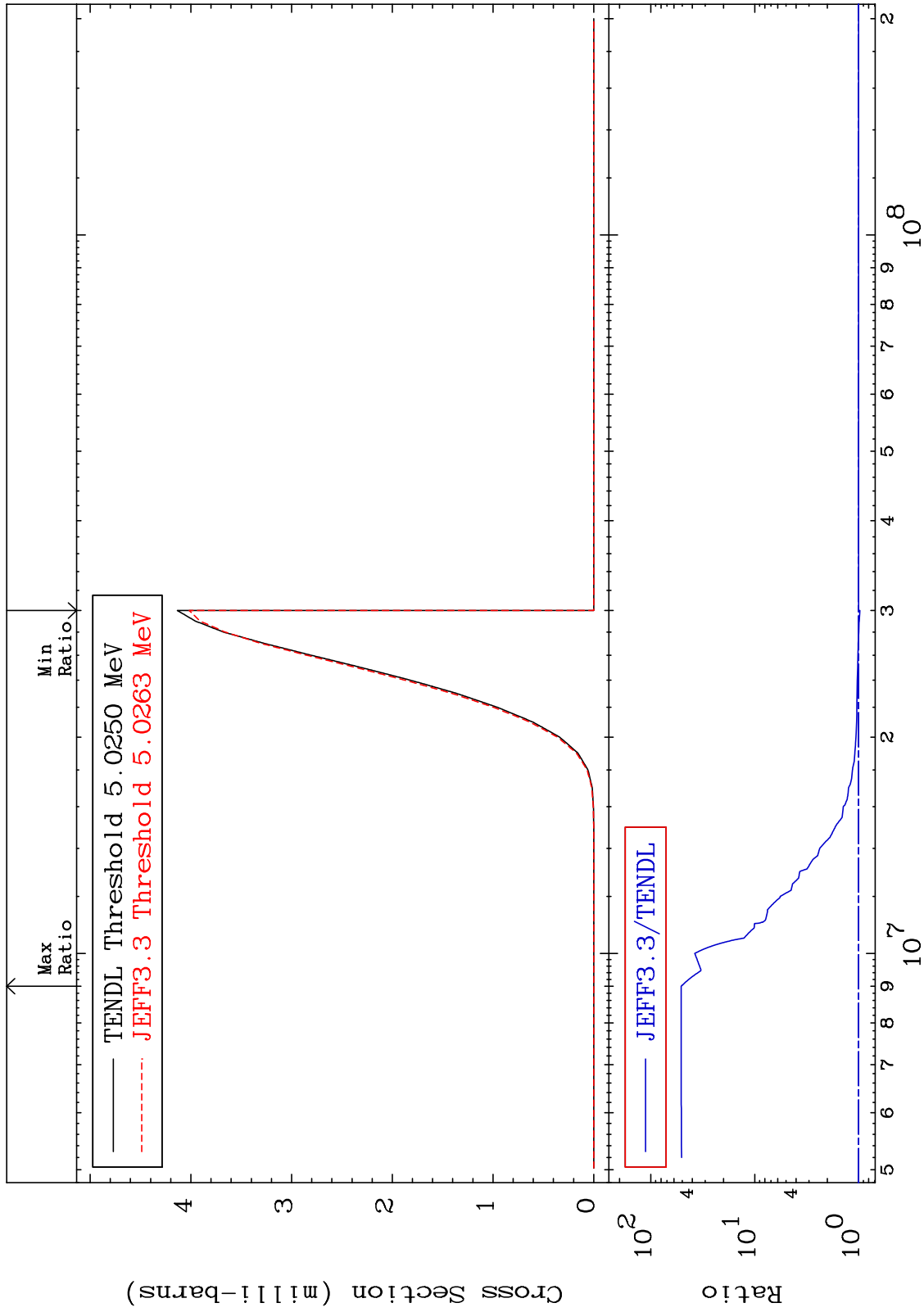
MAT 3625

(n,p)  $\alpha$

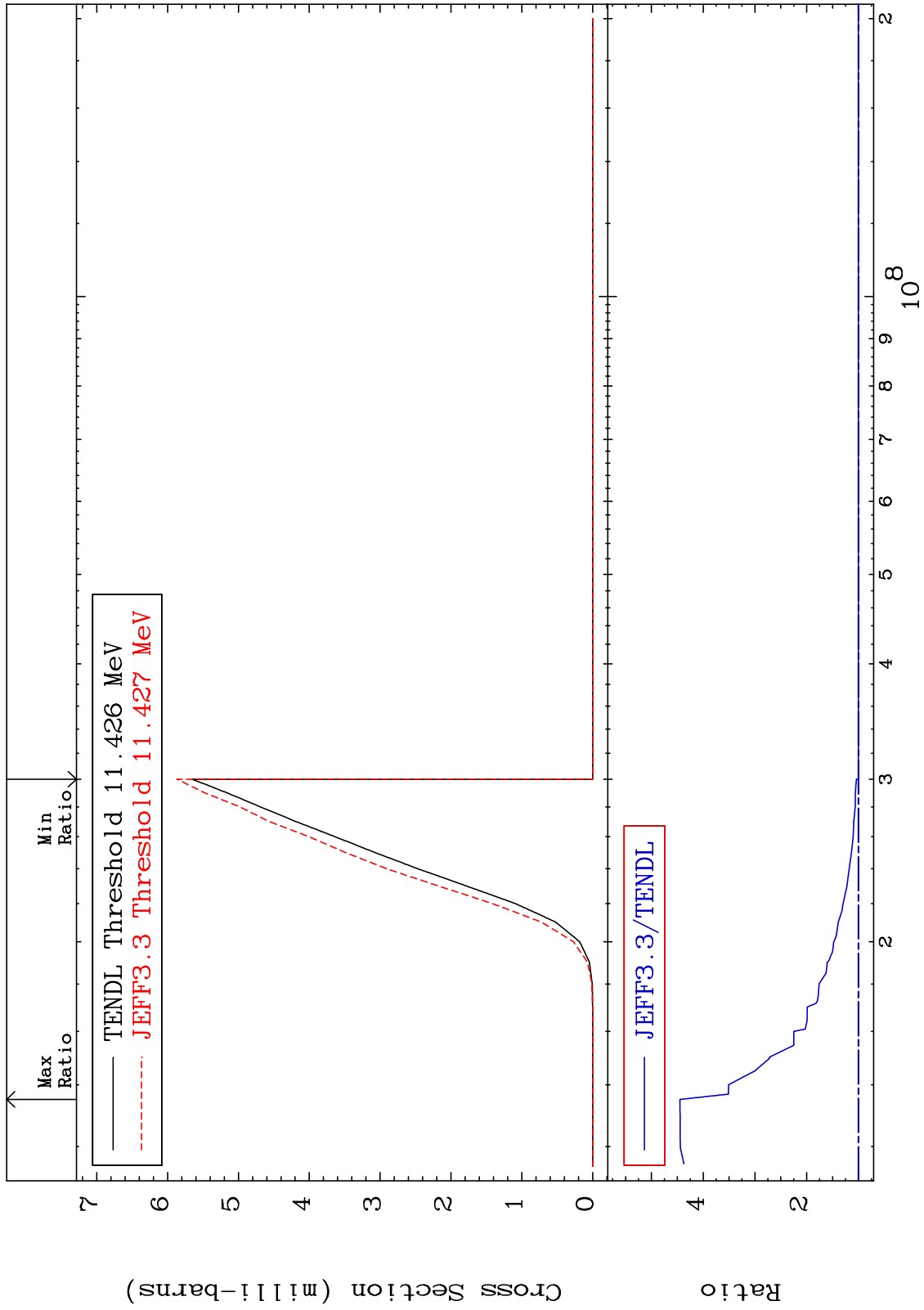
<sup>36</sup>Kr-78

Cross Section

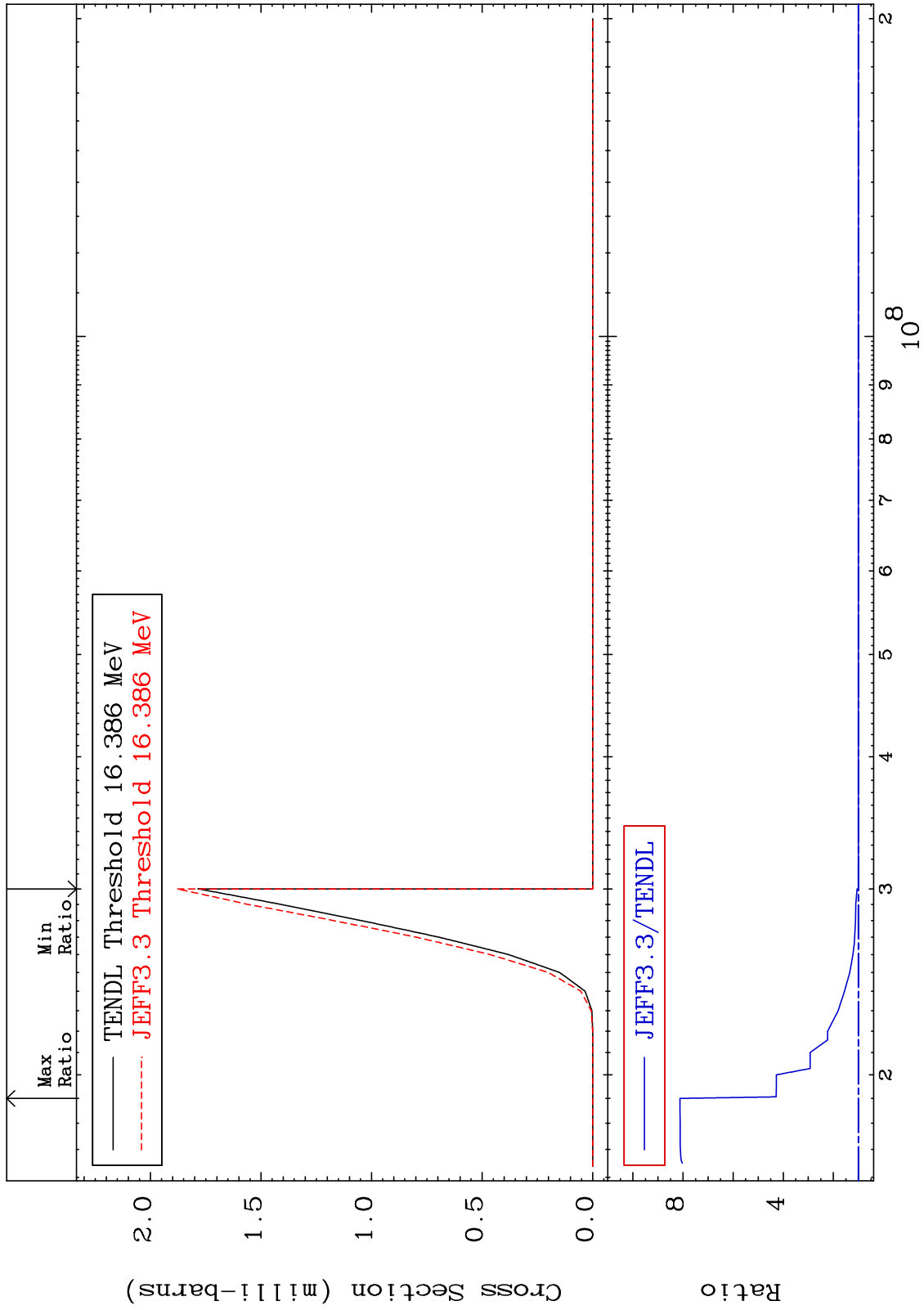
-2.847 To 5005. %



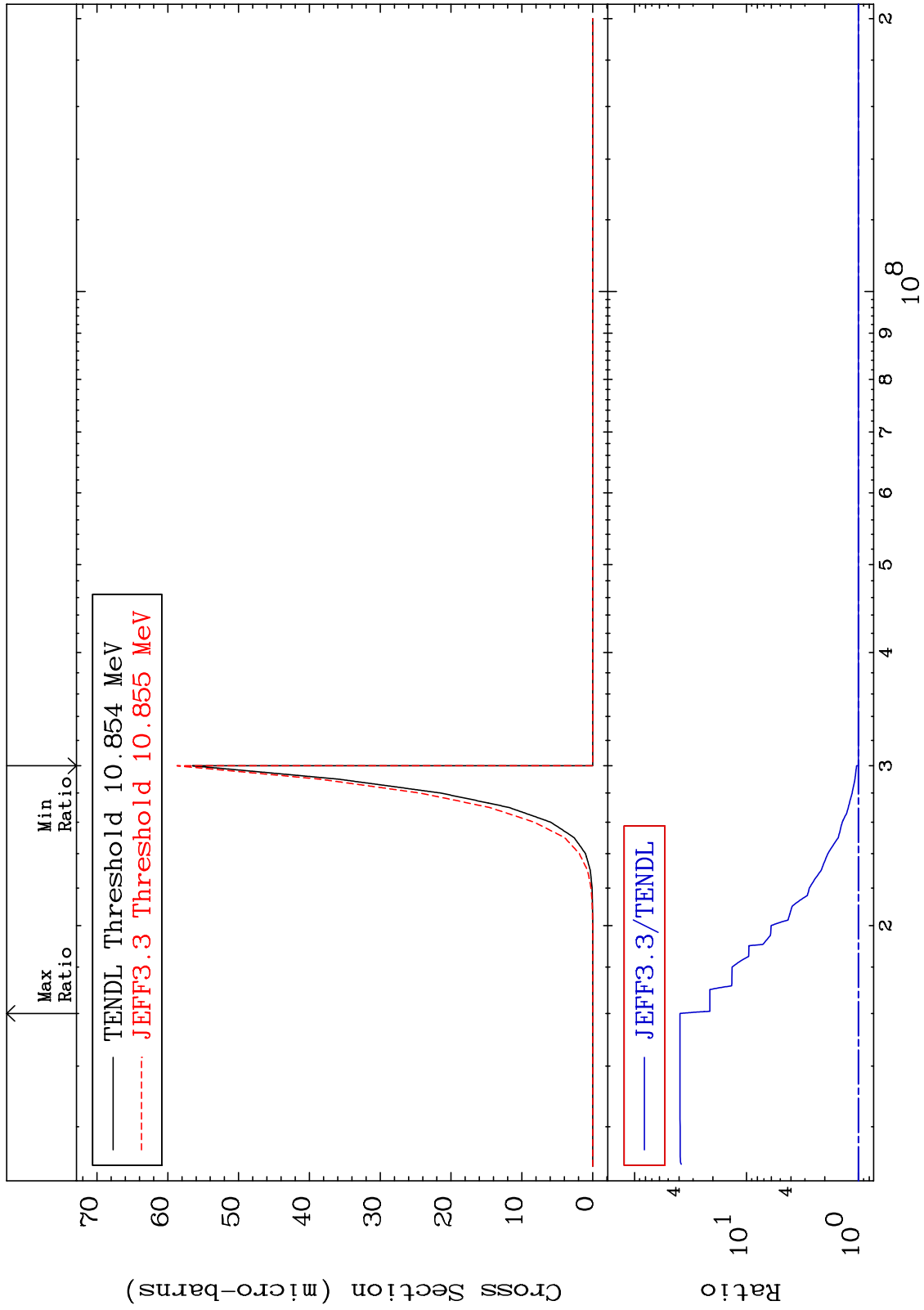
MAT 3625  $(n,p) d$  Cross Section  $^{36}\text{Kr-78}$  To 344.8 %  
 0.000



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



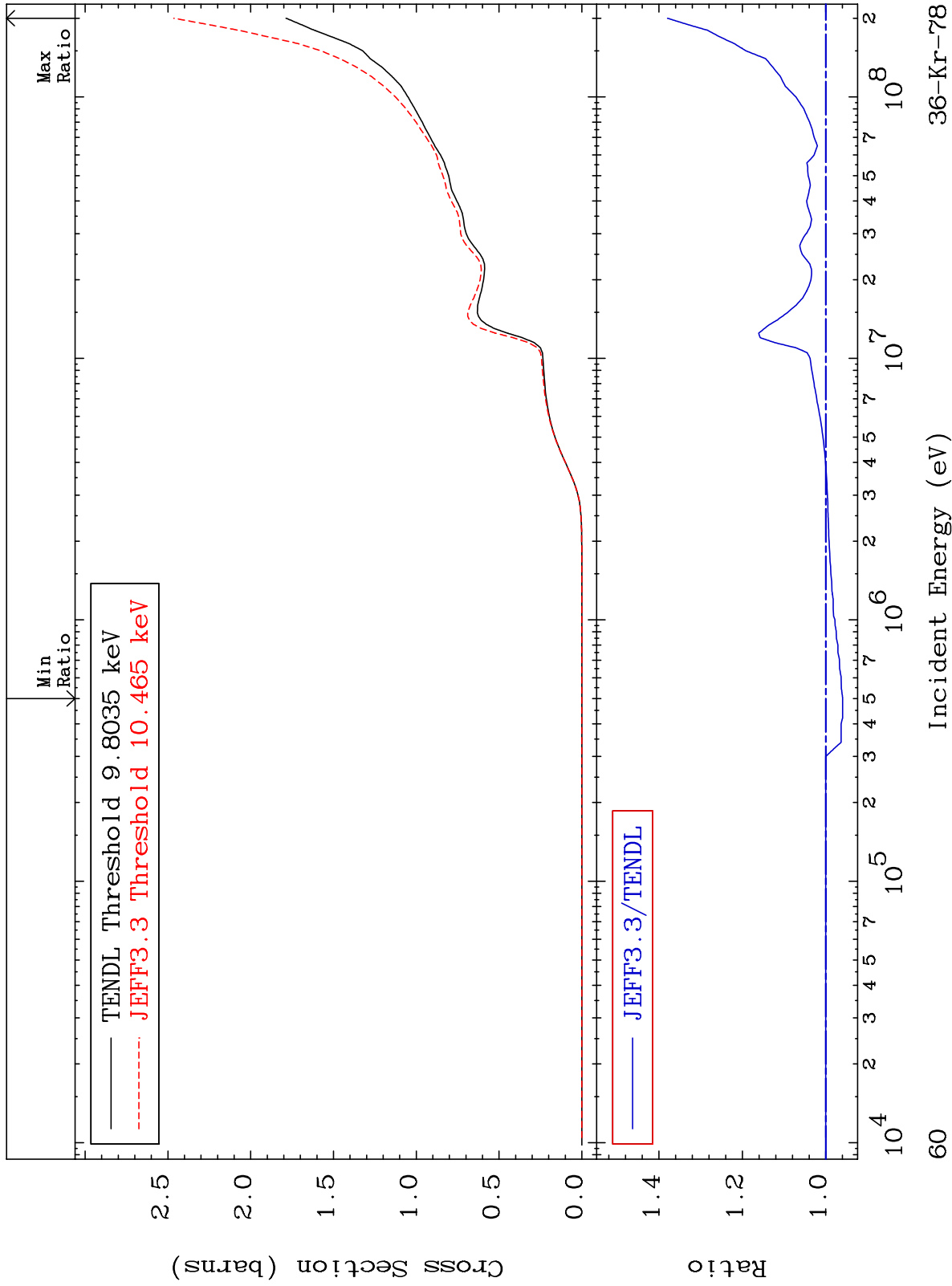
MAT 3625  $(n,d) \alpha$  Cross Section  $^{36}\text{Kr-78}$  To 3825. % 0.000



MAT 3625

Hydrogen Production  
Cross Section

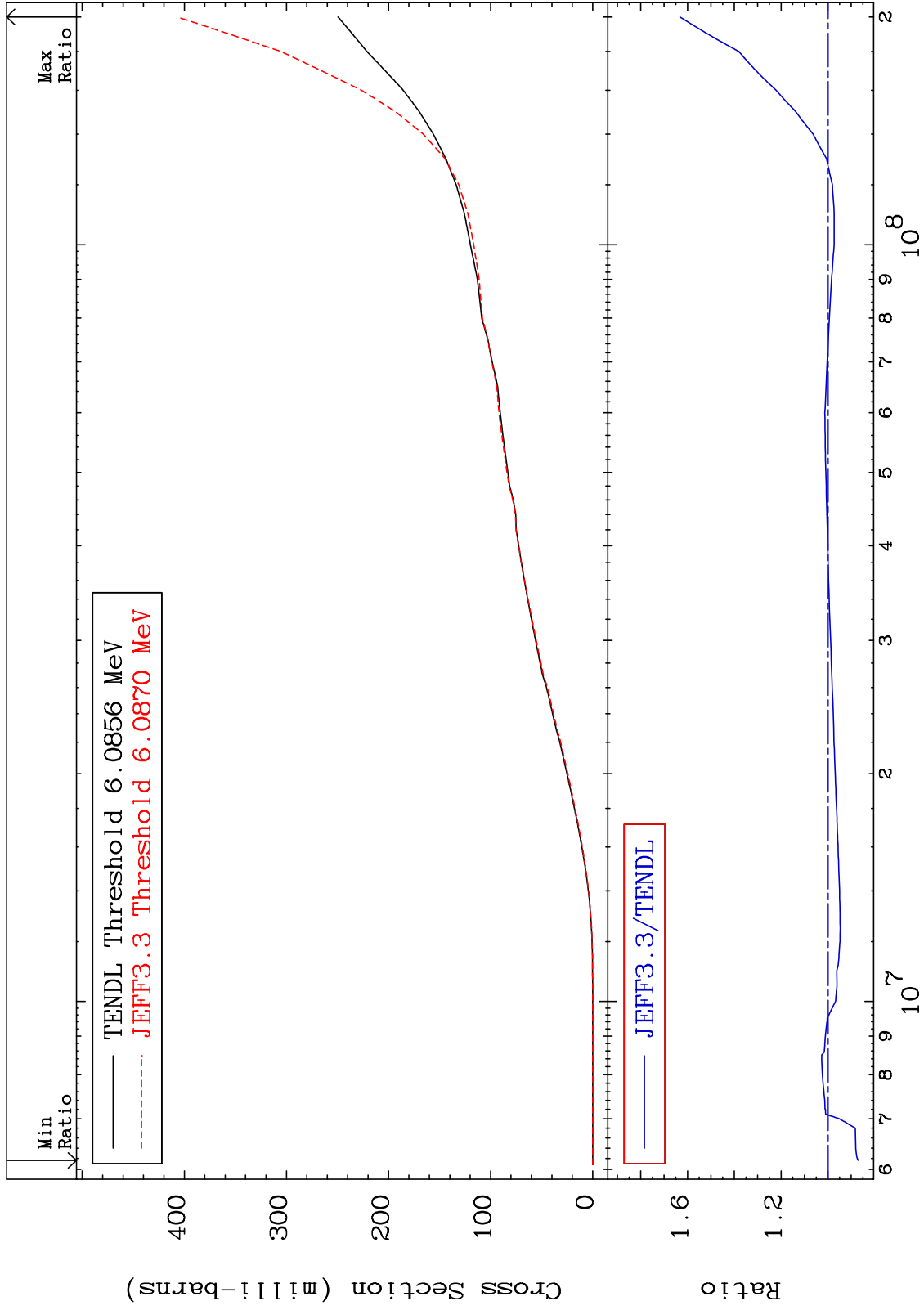
36-Kr-78  
-4.042 To 37.94 %



MAT 3625

Deuterium Production  
Cross Section

36-Kr-78  
-13.05 To 63.20 %



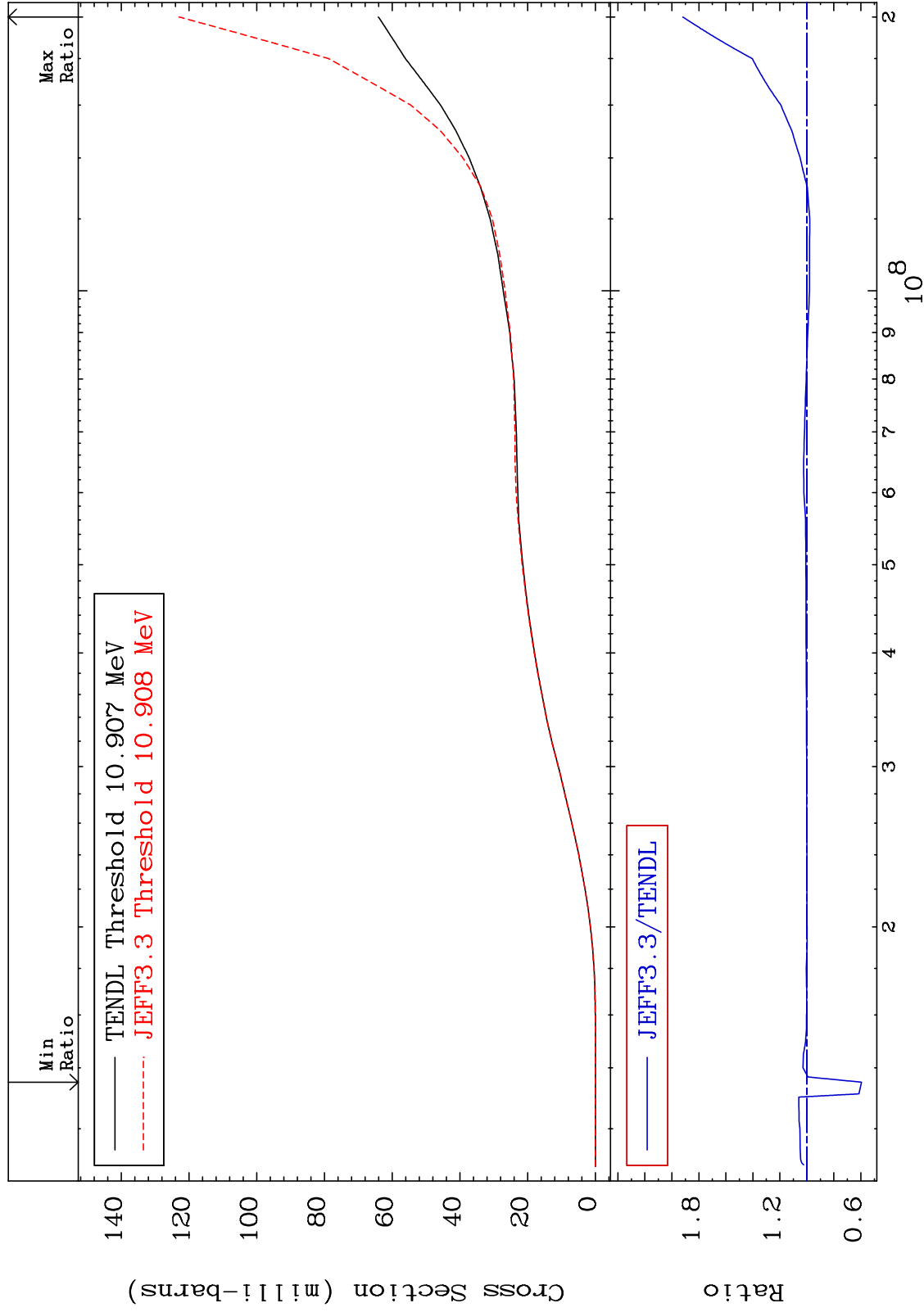
61

36-Kr-78

MAT 3625

Tritium Production  
Cross Section

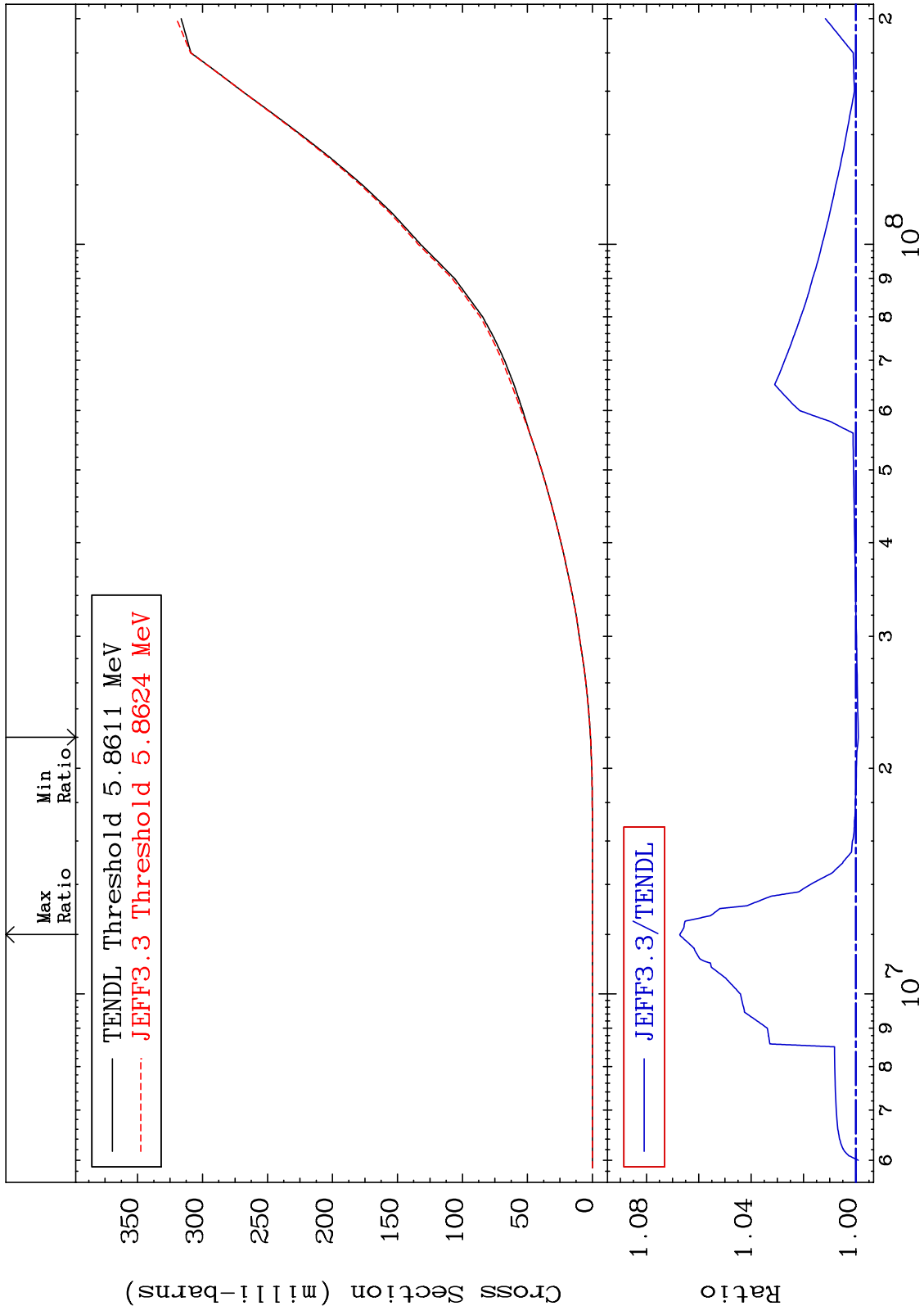
$^{36}\text{Kr-78}$   
-40.52 To 91.85 %



MAT 3625

He-3 Production  
Cross Section

36-Kr-78  
-0.096 To 6.726 %



63

Incident Energy (eV)

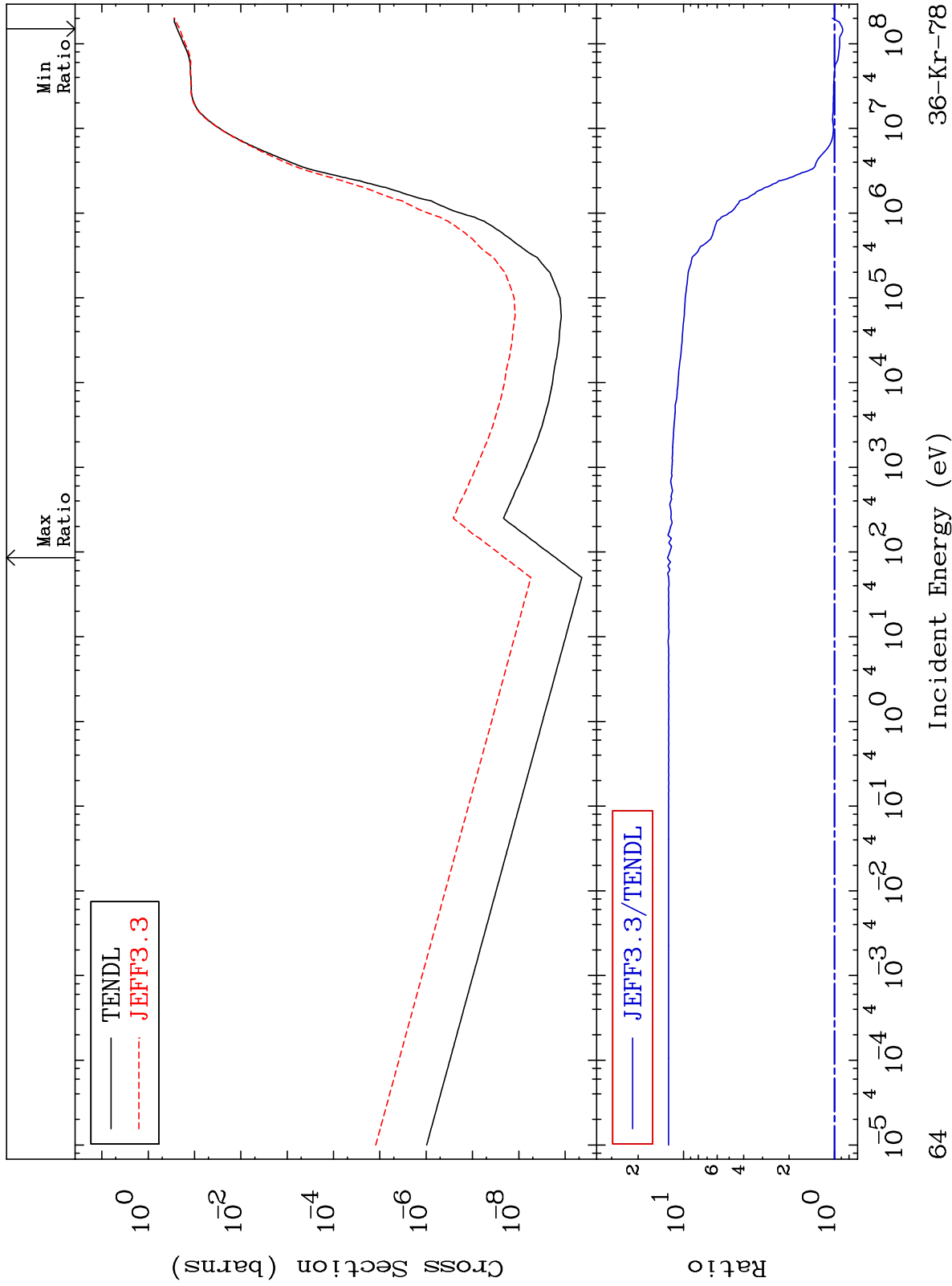
36-Kr-78



MAT 3625

He-4 Production  
Cross Section

36-Kr-78  
-11.73 To 1178. %



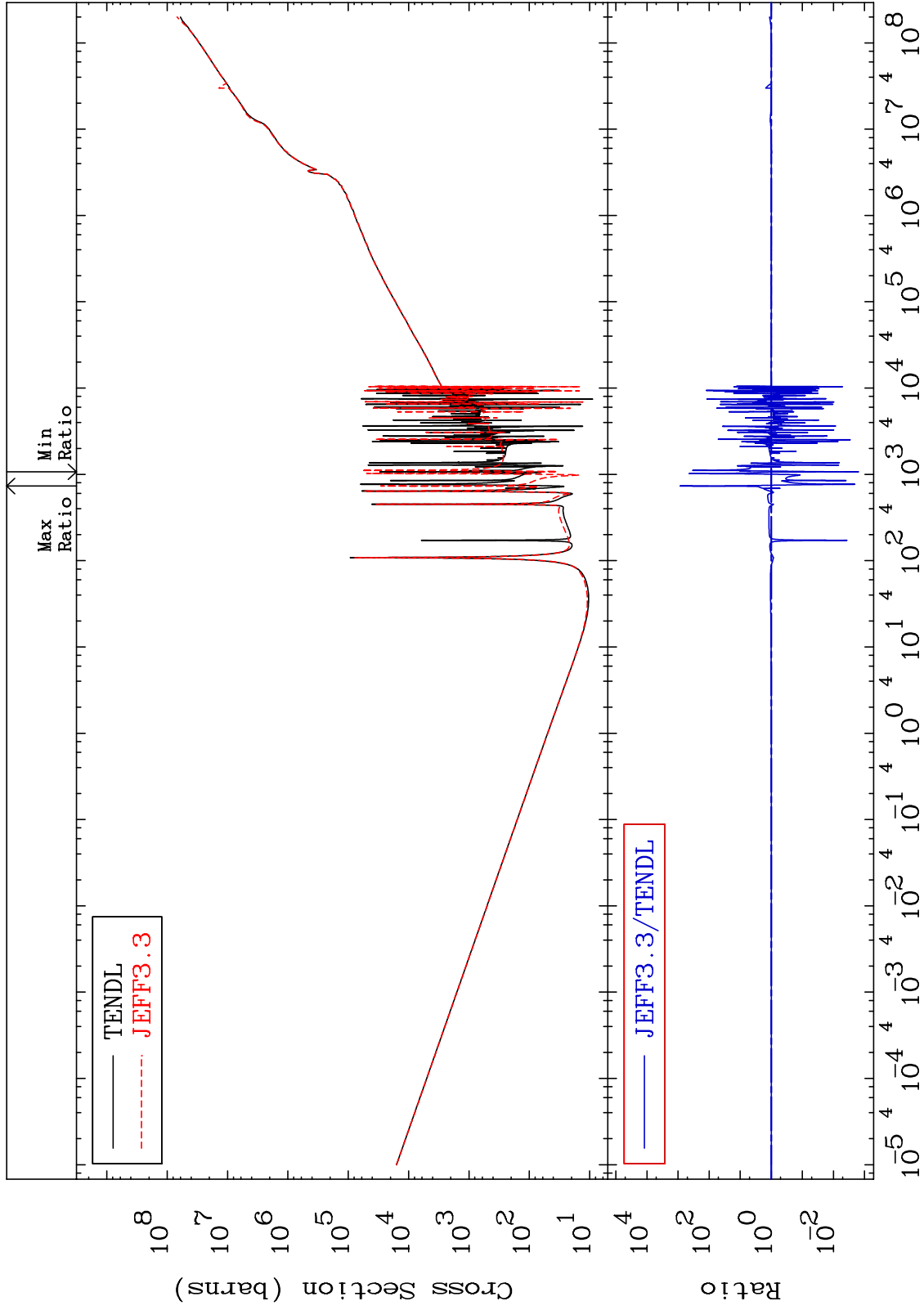
64

36-Kr-78

MAT 3625

Kerma total (eV-barns)  
Cross Section

36-Kr-78  
-99.84 To 9999. %



65

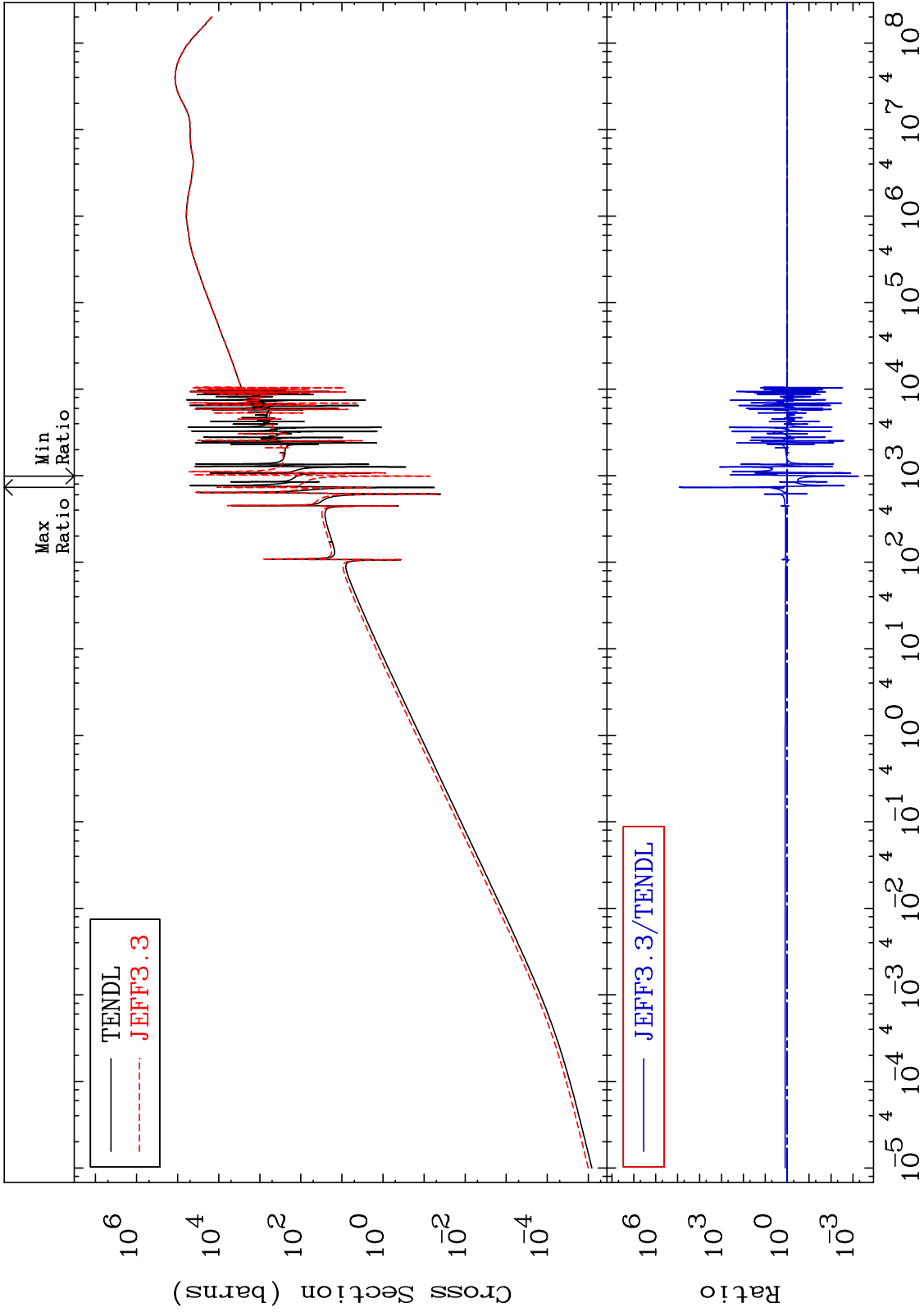
Incident Energy (eV)

36-Kr-78

MAT 3625

Kerma elastic  
Cross Section

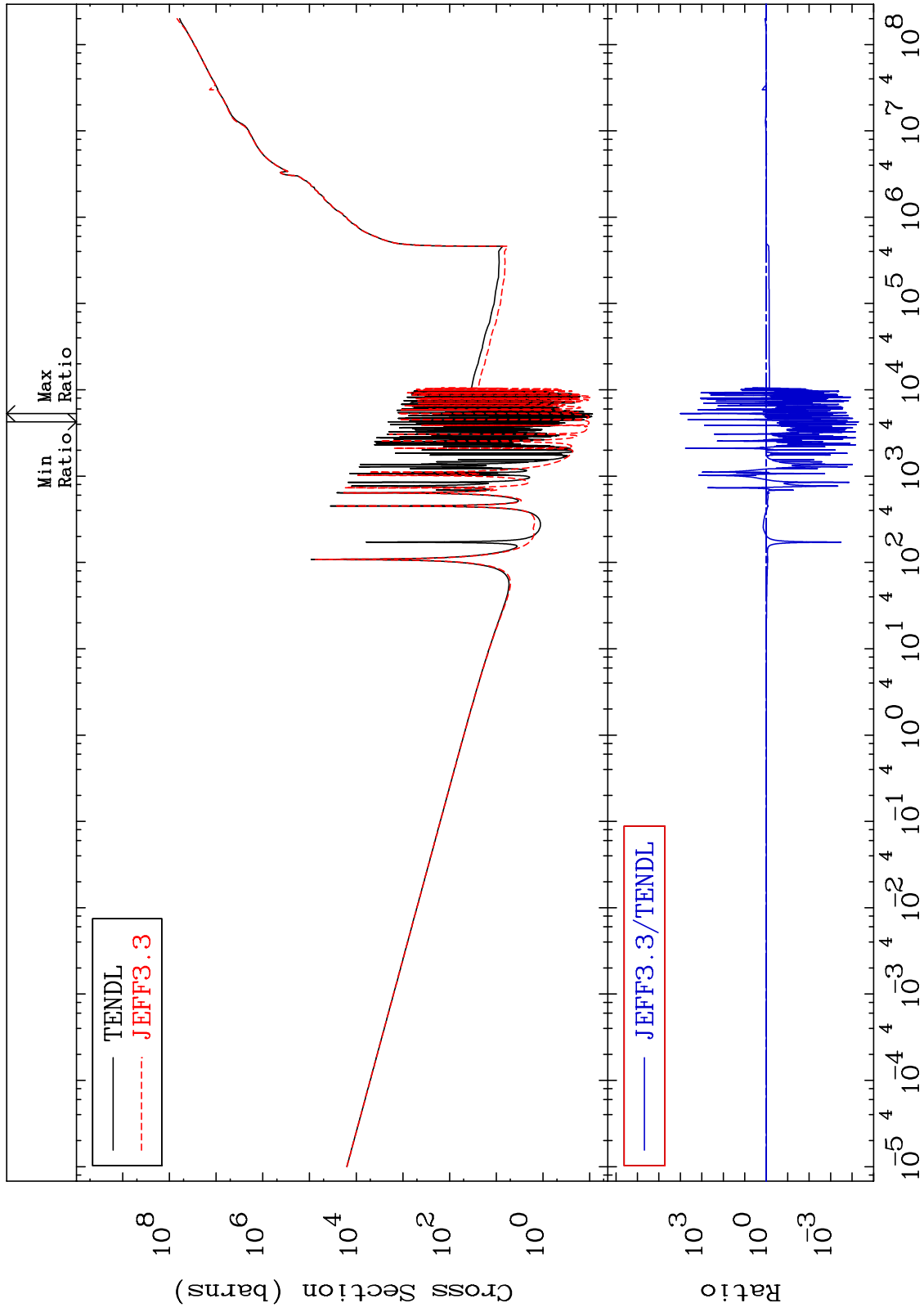
36-Kr-78  
-99.94 To 9999. %



MAT 3625

Kerma non-elastic (all but mt2)  
Cross Section

36-Kr-78  
-99.99 To 9999. %



67

Incident Energy (eV)

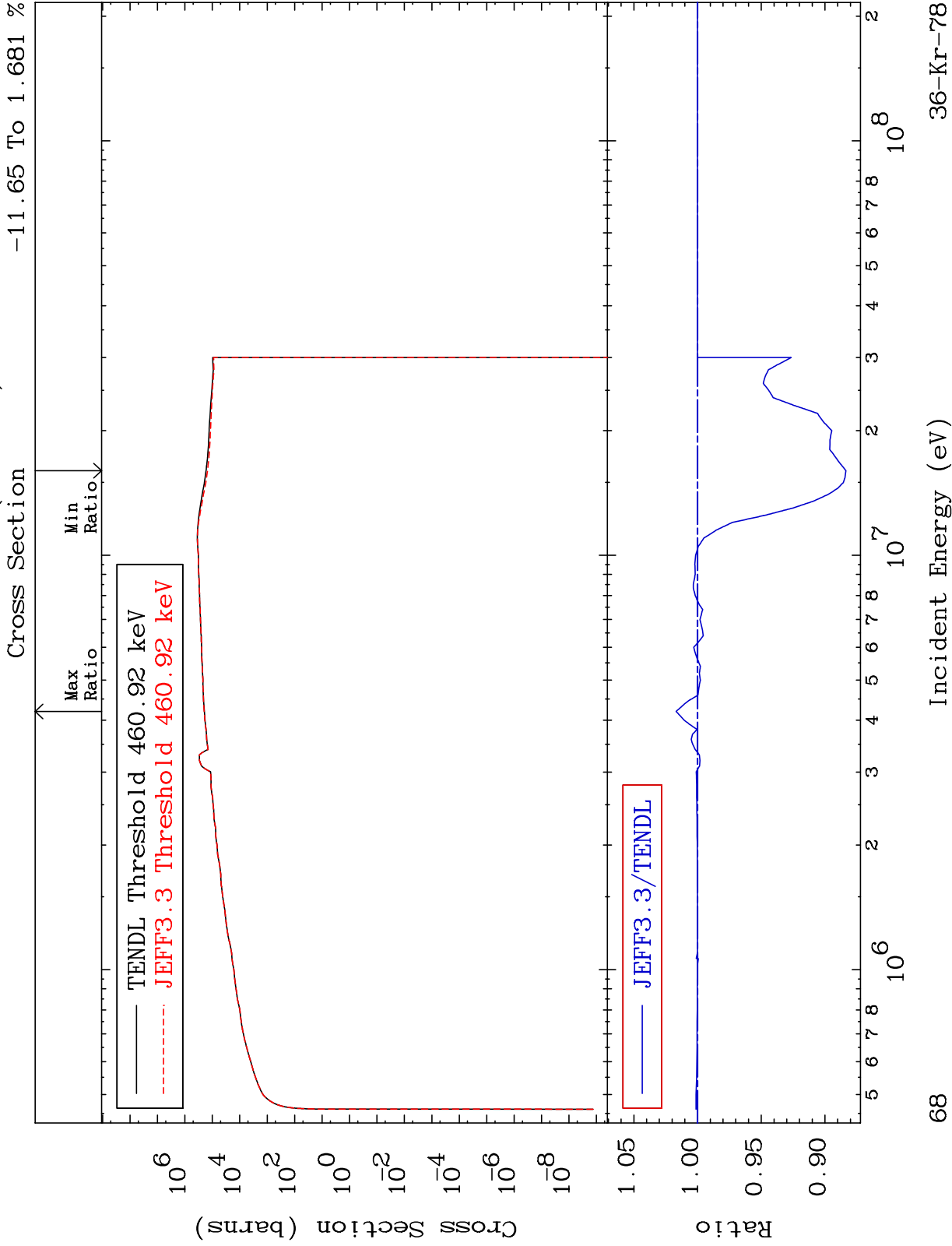
36-Kr-78

MAT 3625

Kerma inelastic (mt51-91)

36-Kr-78

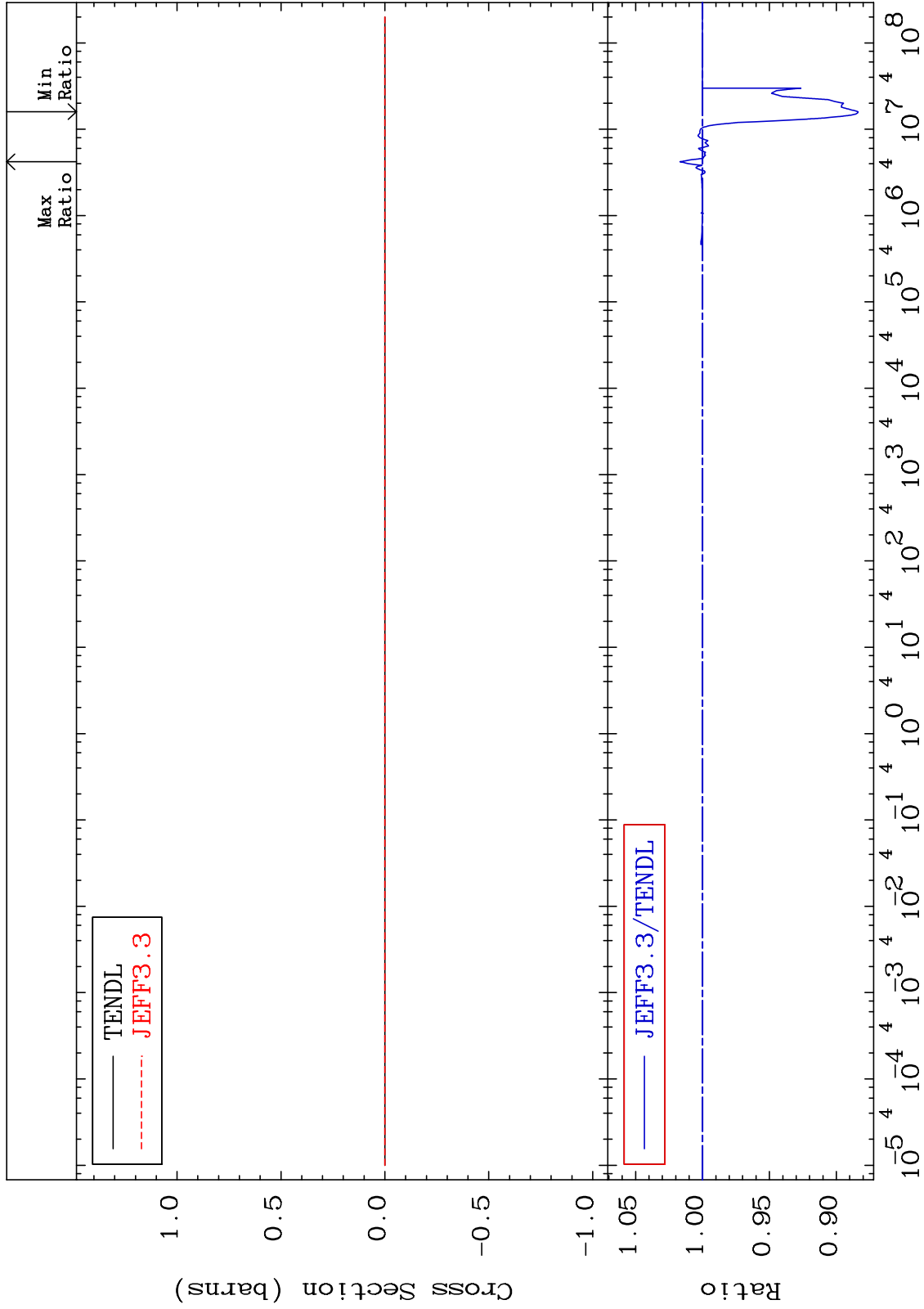
-11.65 To 1.681 %



MAT 3625

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

36-Kr-78  
-11.65 To 1.681 %



69

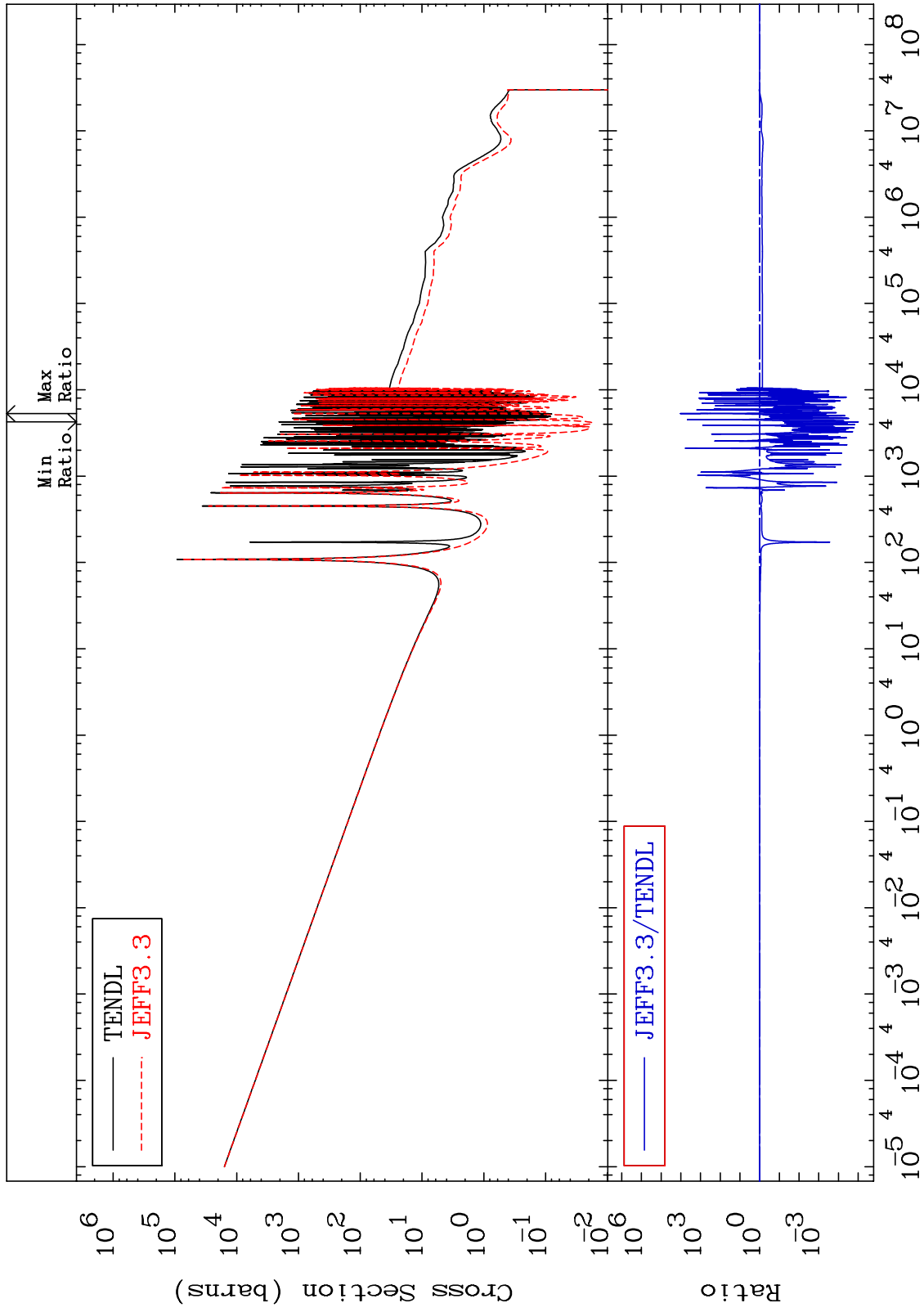
Incident Energy (eV)

36-Kr-78

MAT 3625

Kerma capture (mt102)  
Cross Section

36-Kr-78  
-100.0 To 9999. %



70

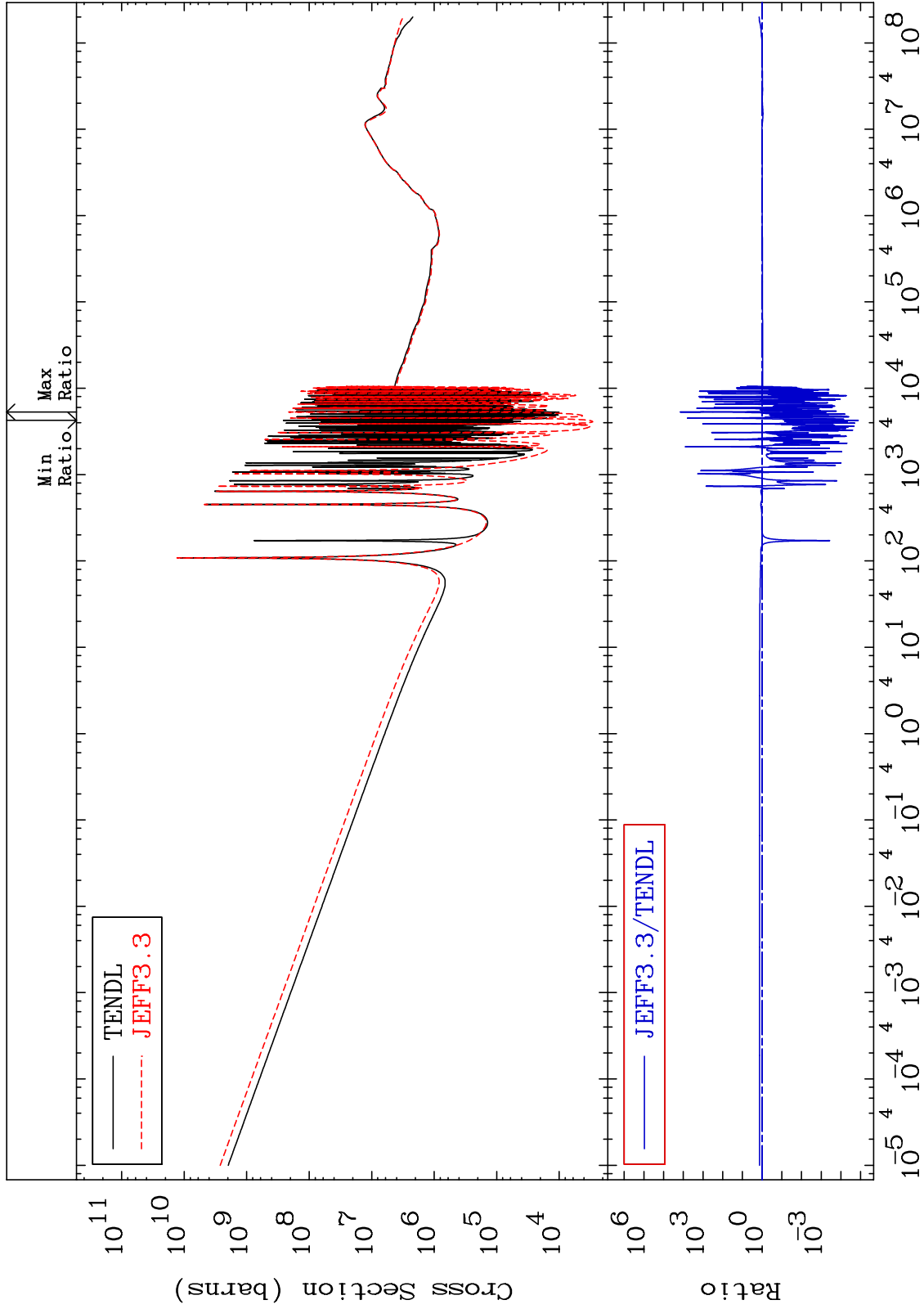
Incident Energy (eV)

36-Kr-78

MAT 3625

Total photon (eV-barns)  
Cross Section

36-Kr-78  
-100.0 To 9999. %



71

Incident Energy (eV)

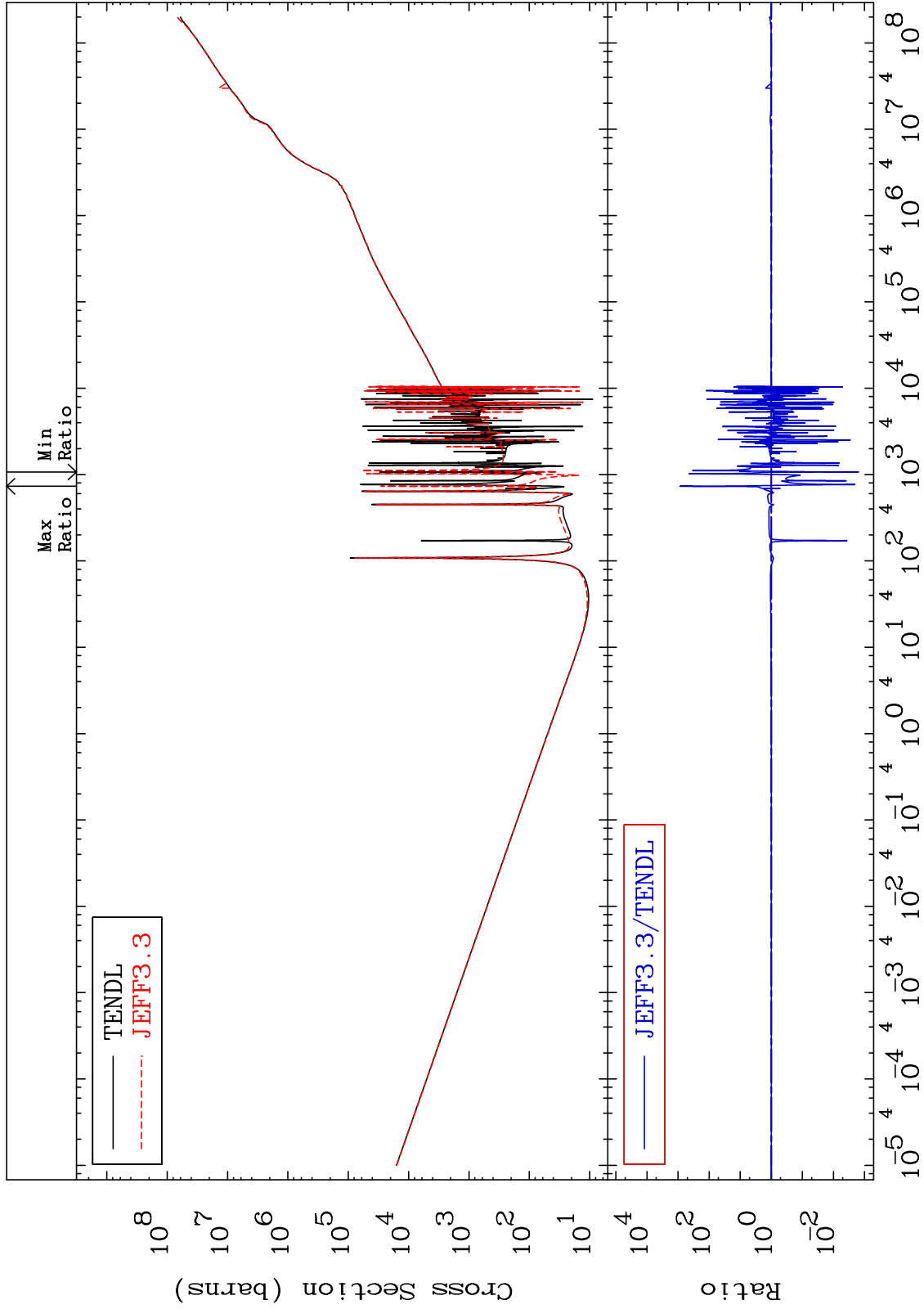
36-Kr-78



MAT 3625

Total kinematic kerma (high limit)  
Cross Section

36-Kr-78  
-99.84 To 9999. %



72

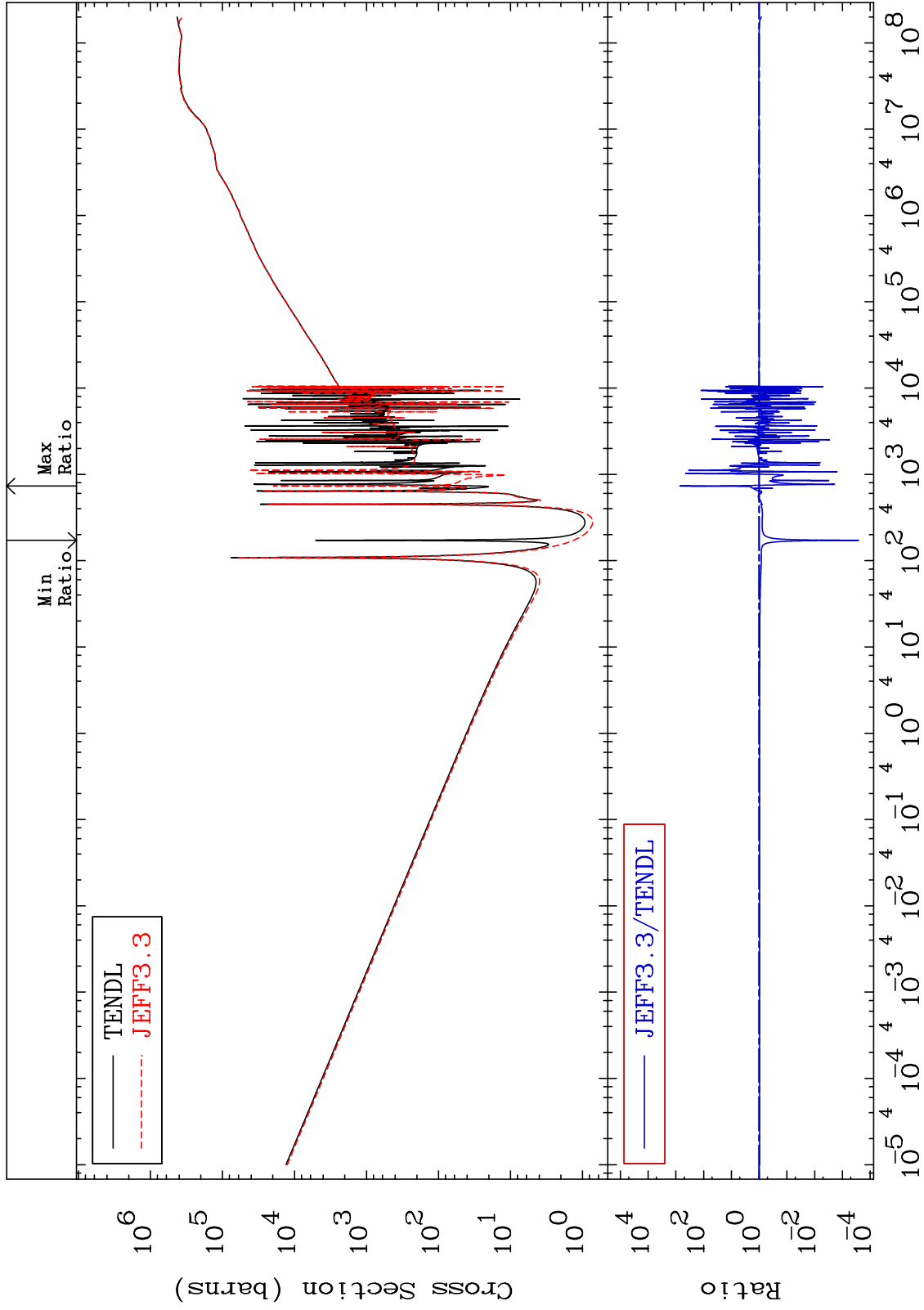
Incident Energy (eV)

36-Kr-78

MAT 3625

Dpa total (eV-barns)  
Cross Section

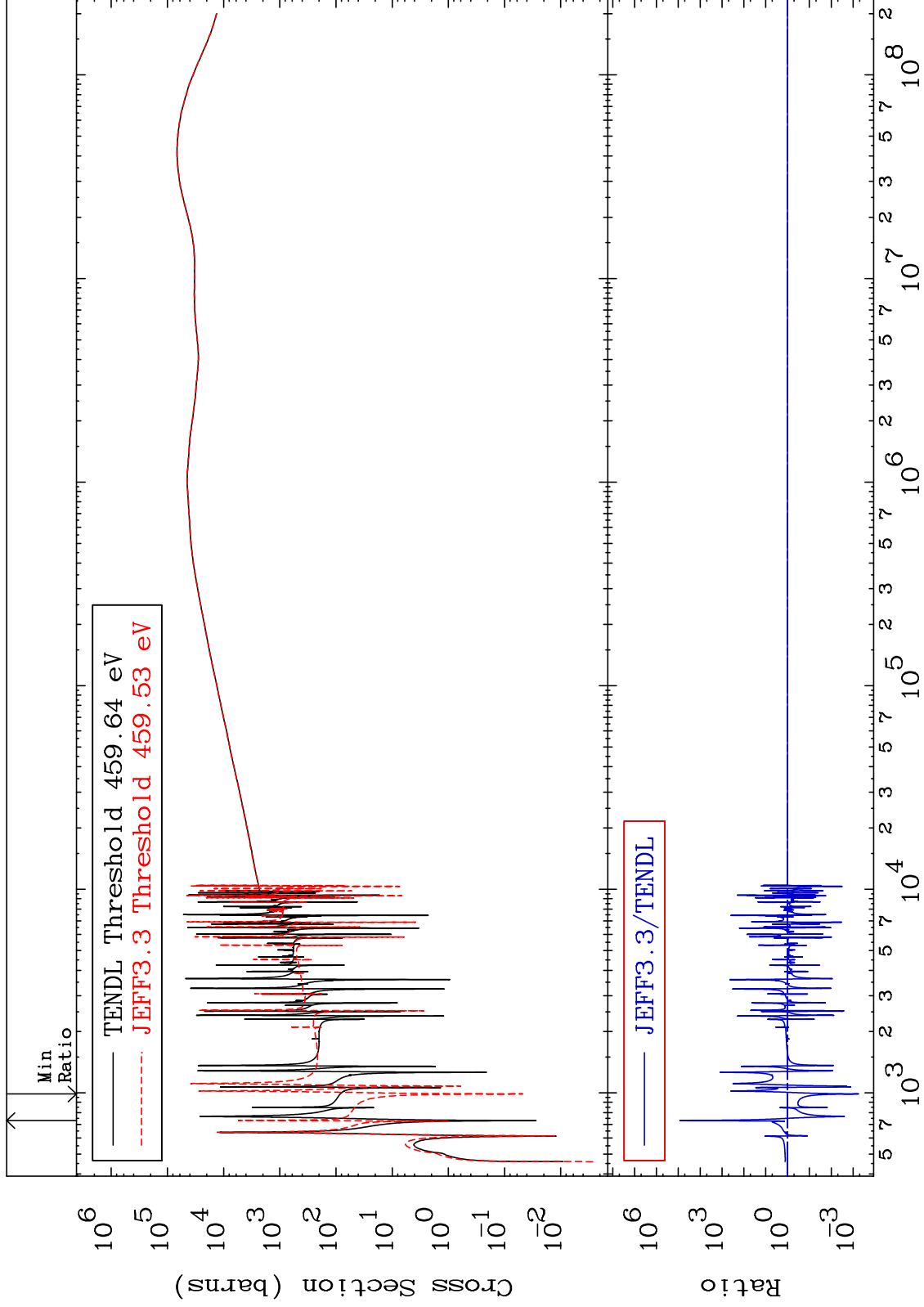
36-Kr-78  
-99.97 To 9999. %



MAT 3625

Dpa elastic (mt2)  
Cross Section

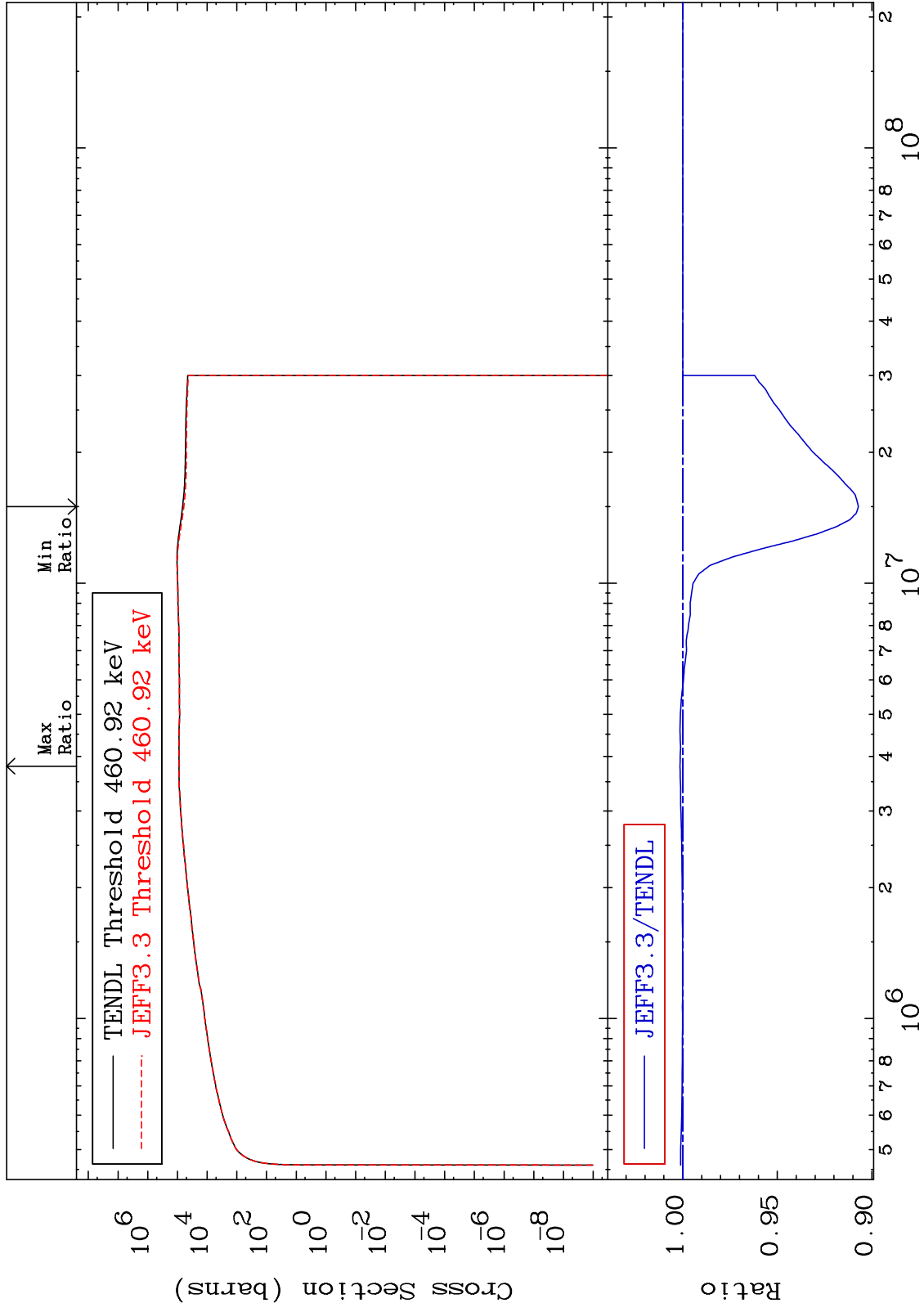
36-Kr-78  
-99.94 To 9999. %



MAT 3625

Dpa inelastic (mt51-91)  
Cross Section

36-Kr-78  
-9.291 To 0.146 %



75

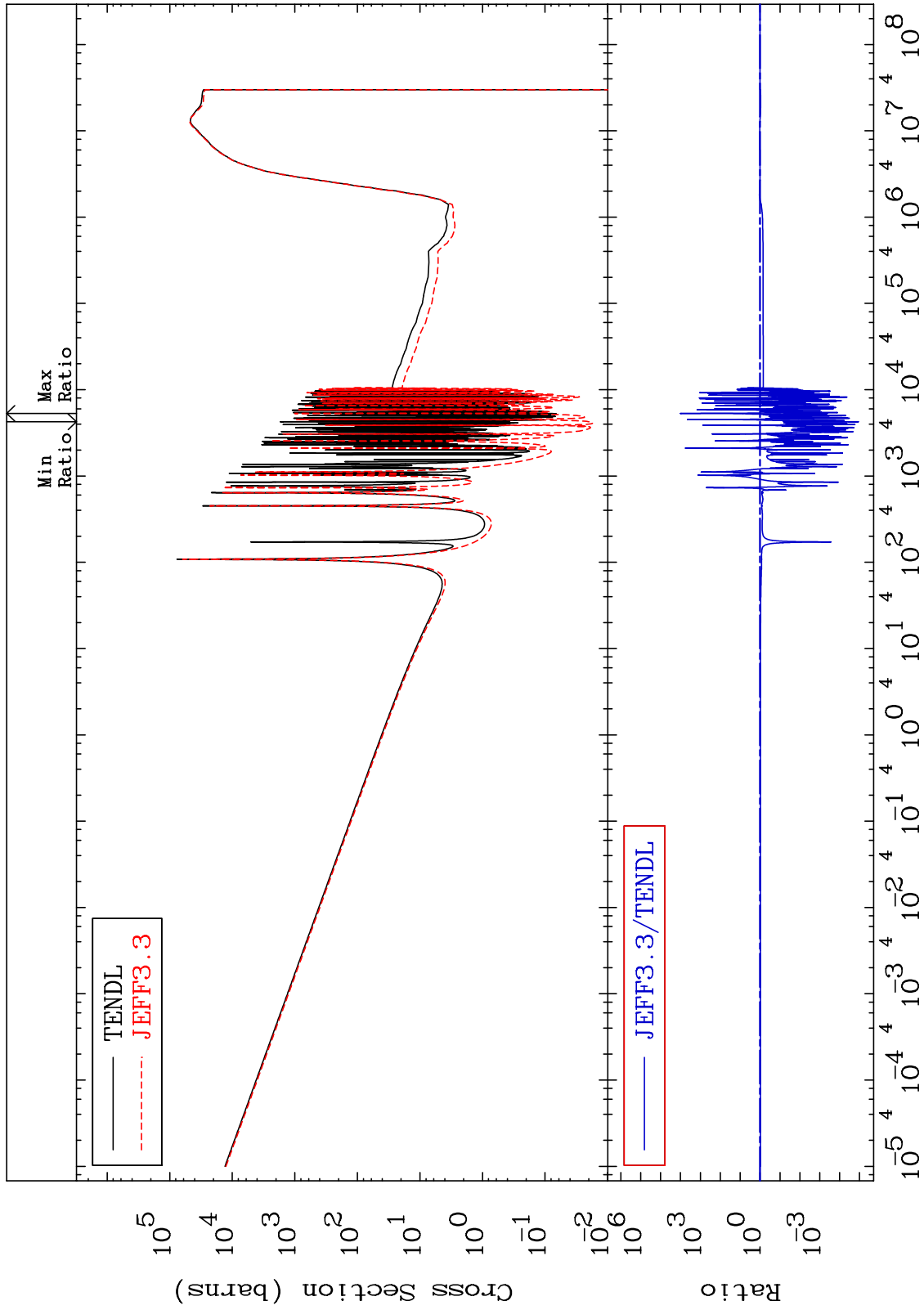
Incident Energy (eV)

36-Kr-78

MAT 3625

Dpa disappearance (mt102 -120)  
Cross Section

36-Kr-78  
-100.0 To 9999. %



76

Incident Energy (eV)

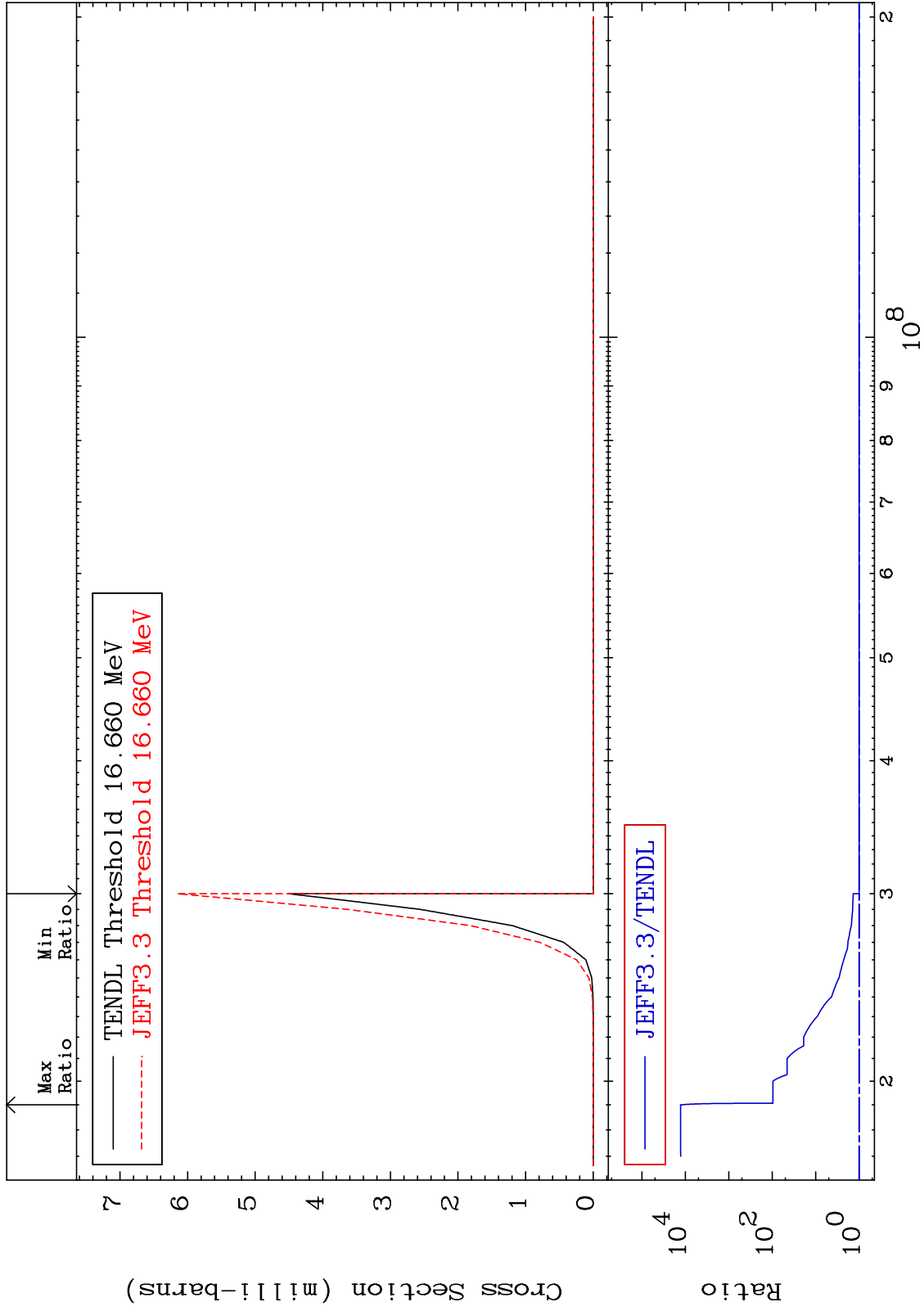
36-Kr-78

MAT 3625

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

36-Kr-78

Radionuclide Production Cross Section 0.000 To 9999. %

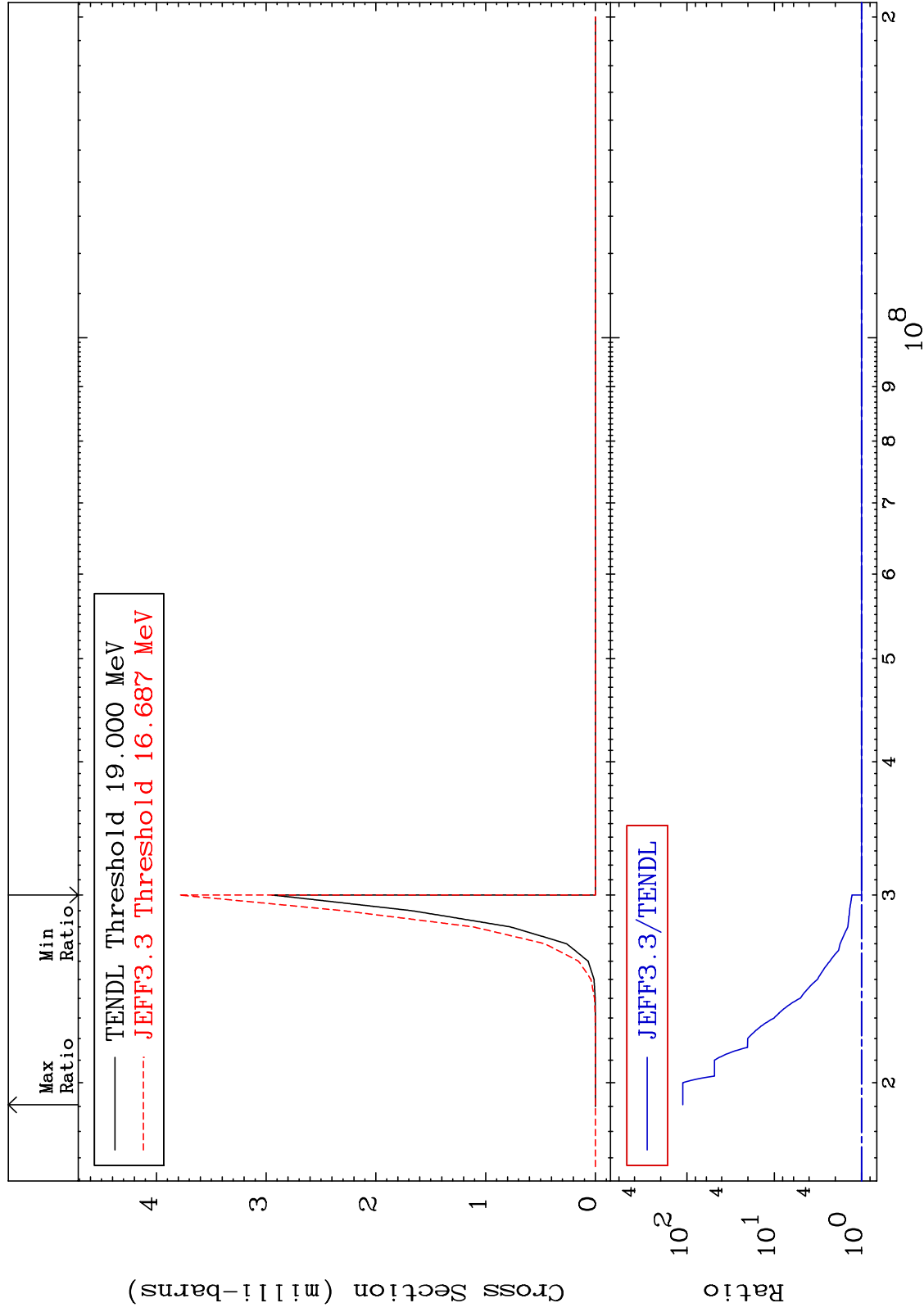


MAT 3625

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

36-Kr-78

Radionuclide Production Cross Section 0.000 To 9999. %



78

Incident Energy (eV)

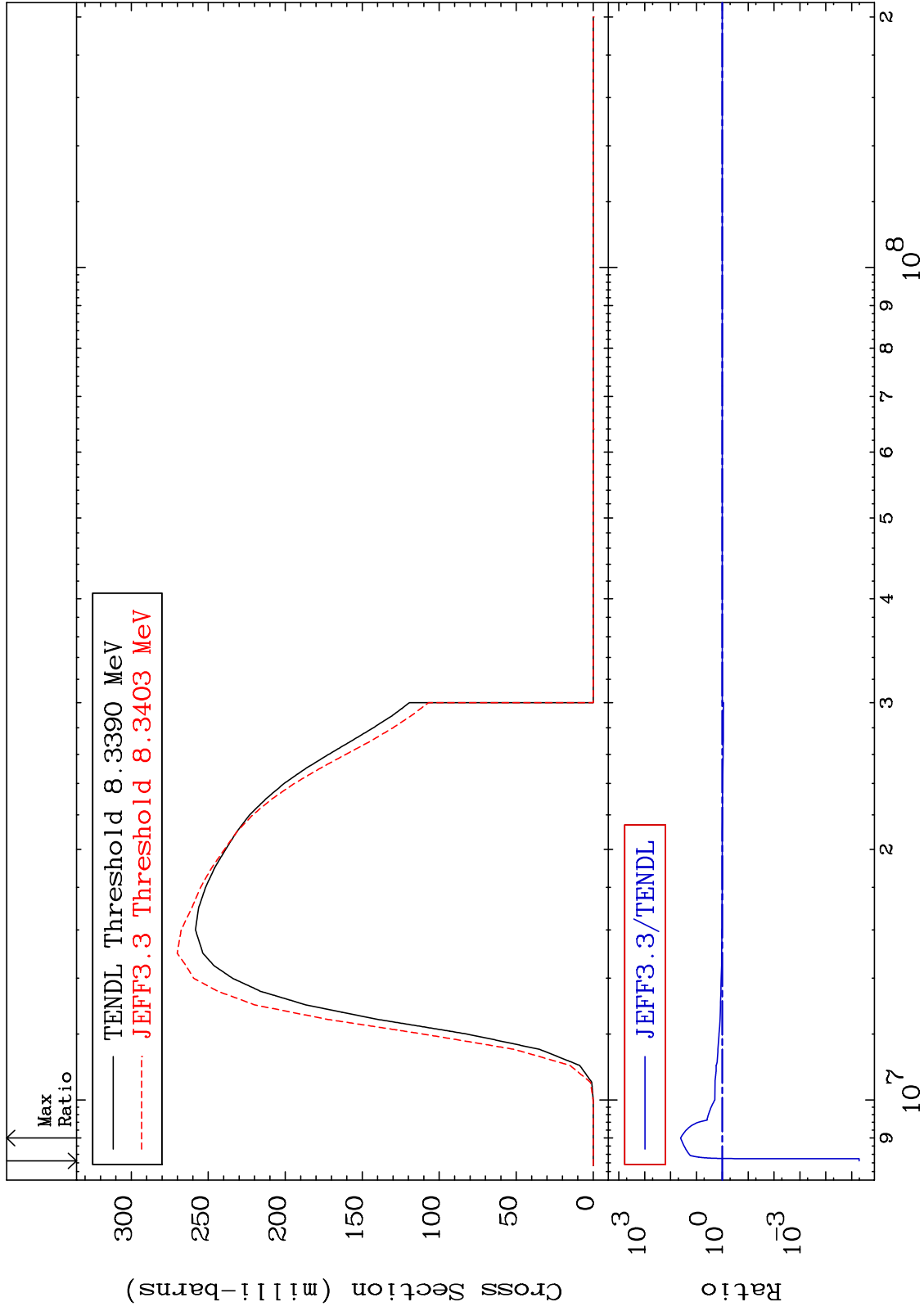
36-Kr-78

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

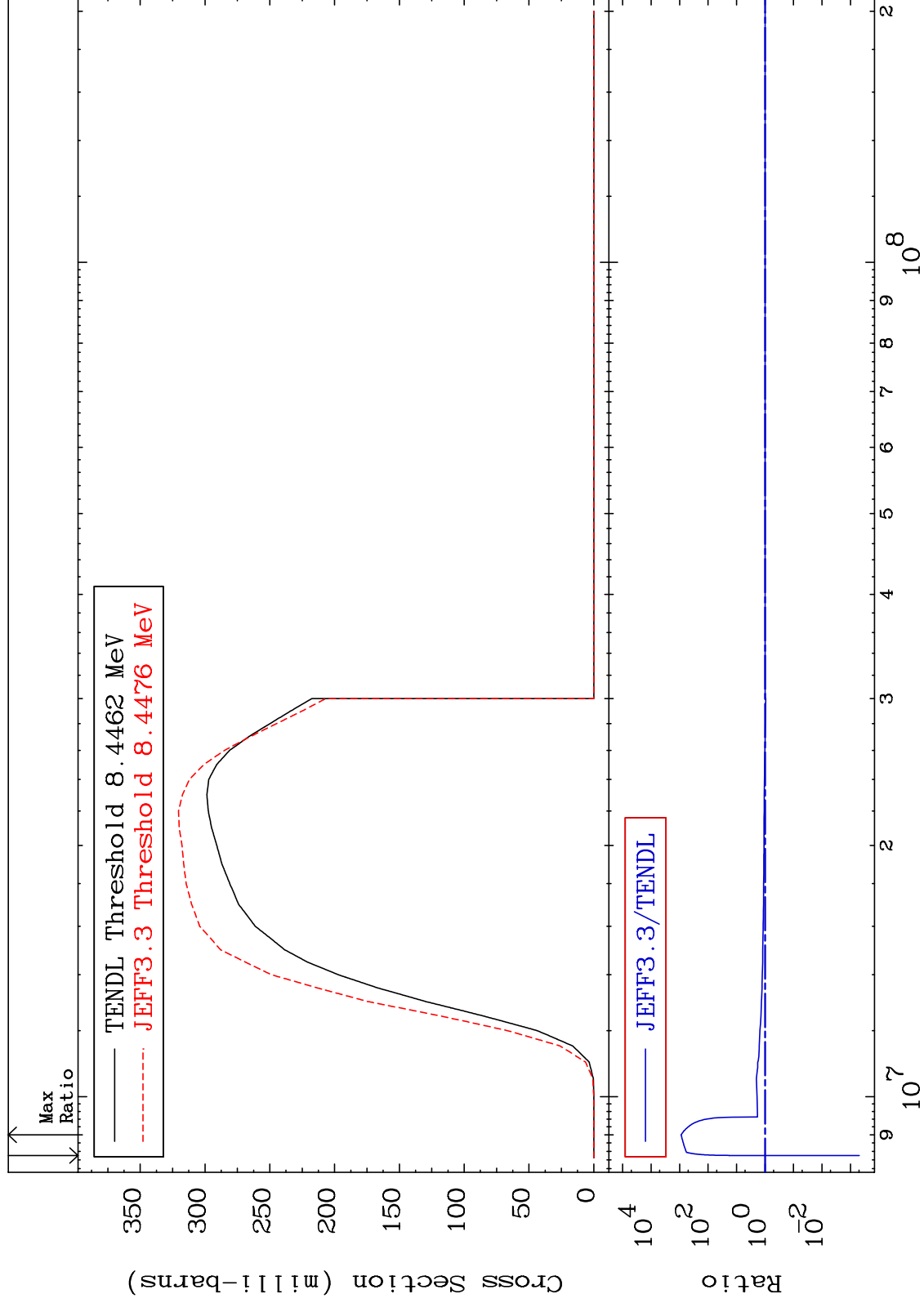


MAT 3625

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

36-Kr-78

Radionuclide Production Cross Section -99.95 To 9999. %



80

Incident Energy (eV)

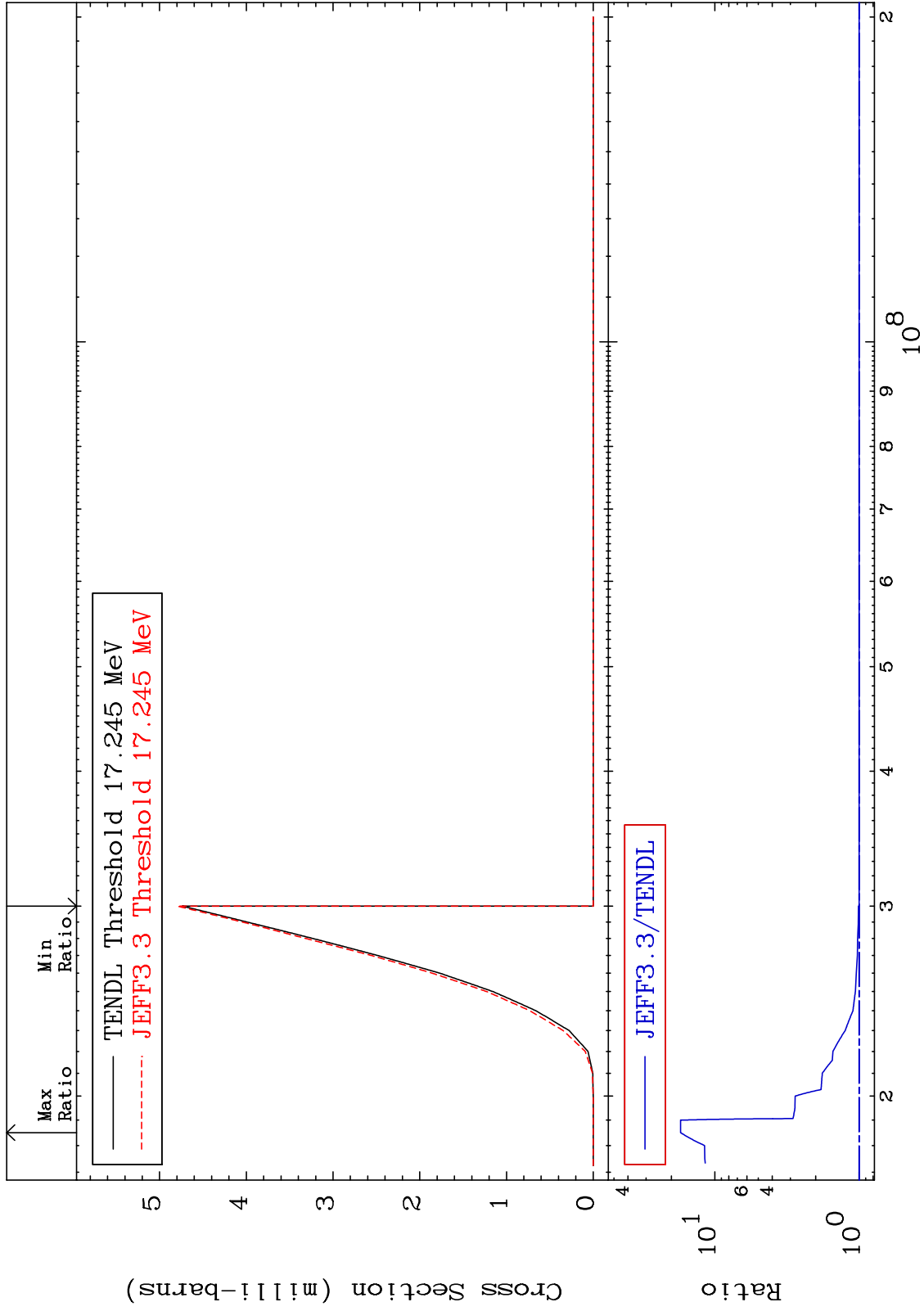
36-Kr-78

MAT 3625

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

36-Kr-78

Radionuclide Production Cross Section 0.000 To 1627. %

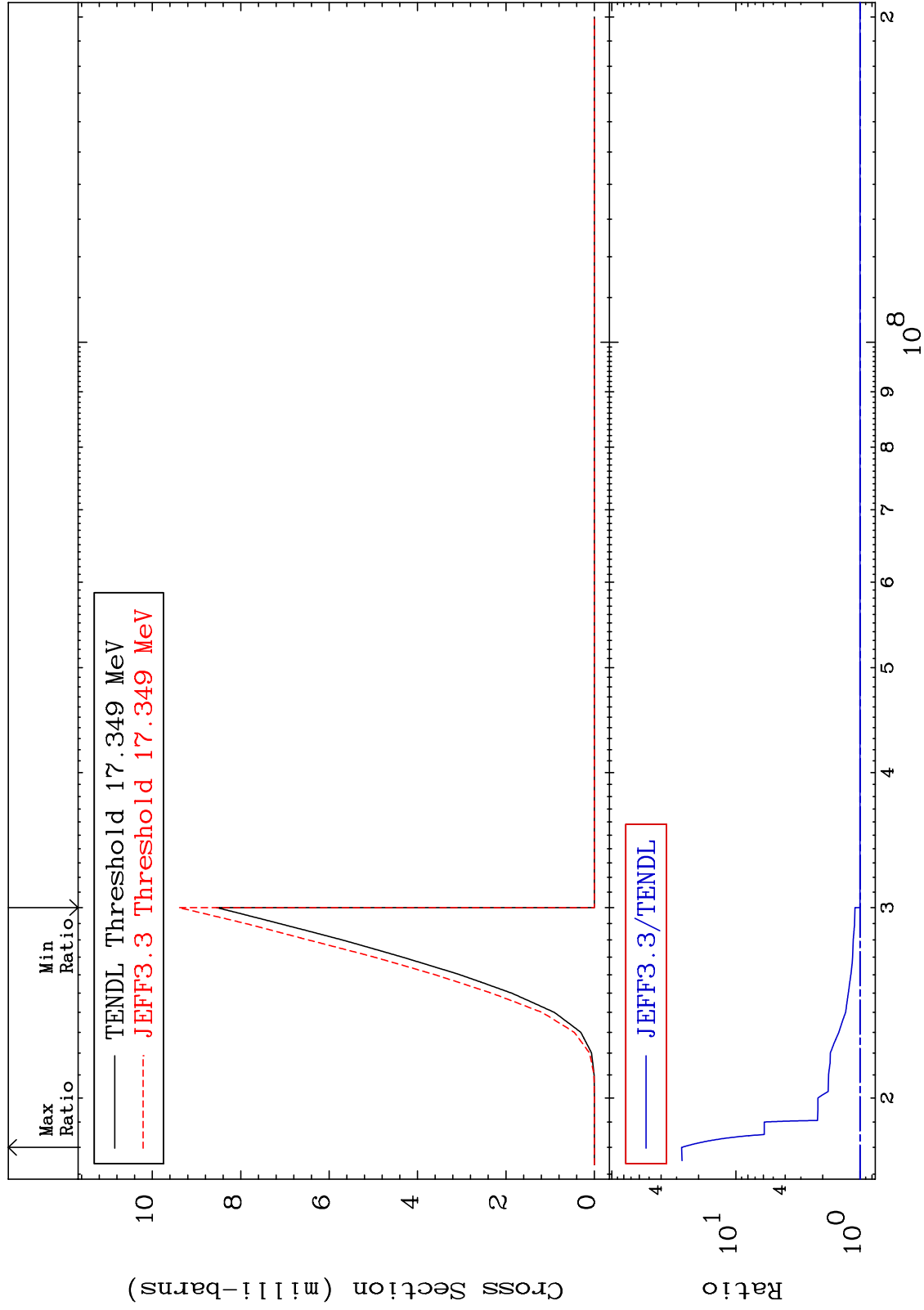


MAT 3625

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

36-Kr-78

Radionuclide Production Cross Section 0.000 To 2633. %



36-Kr-78

Incident Energy (eV)

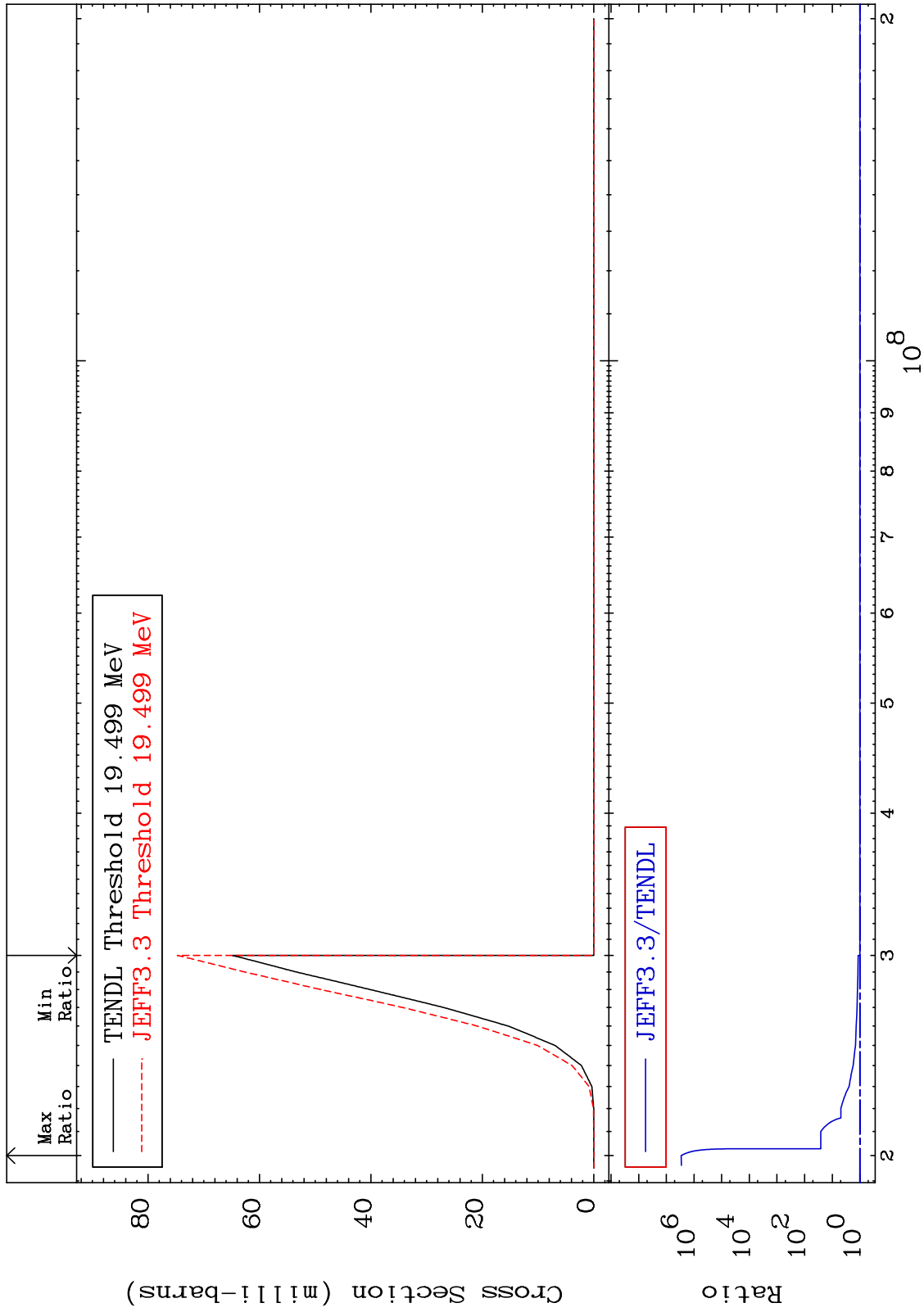
82

MAT 3625

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

36-Kr-78

Radionuclide Production Cross Section 0.000 To 9999. %

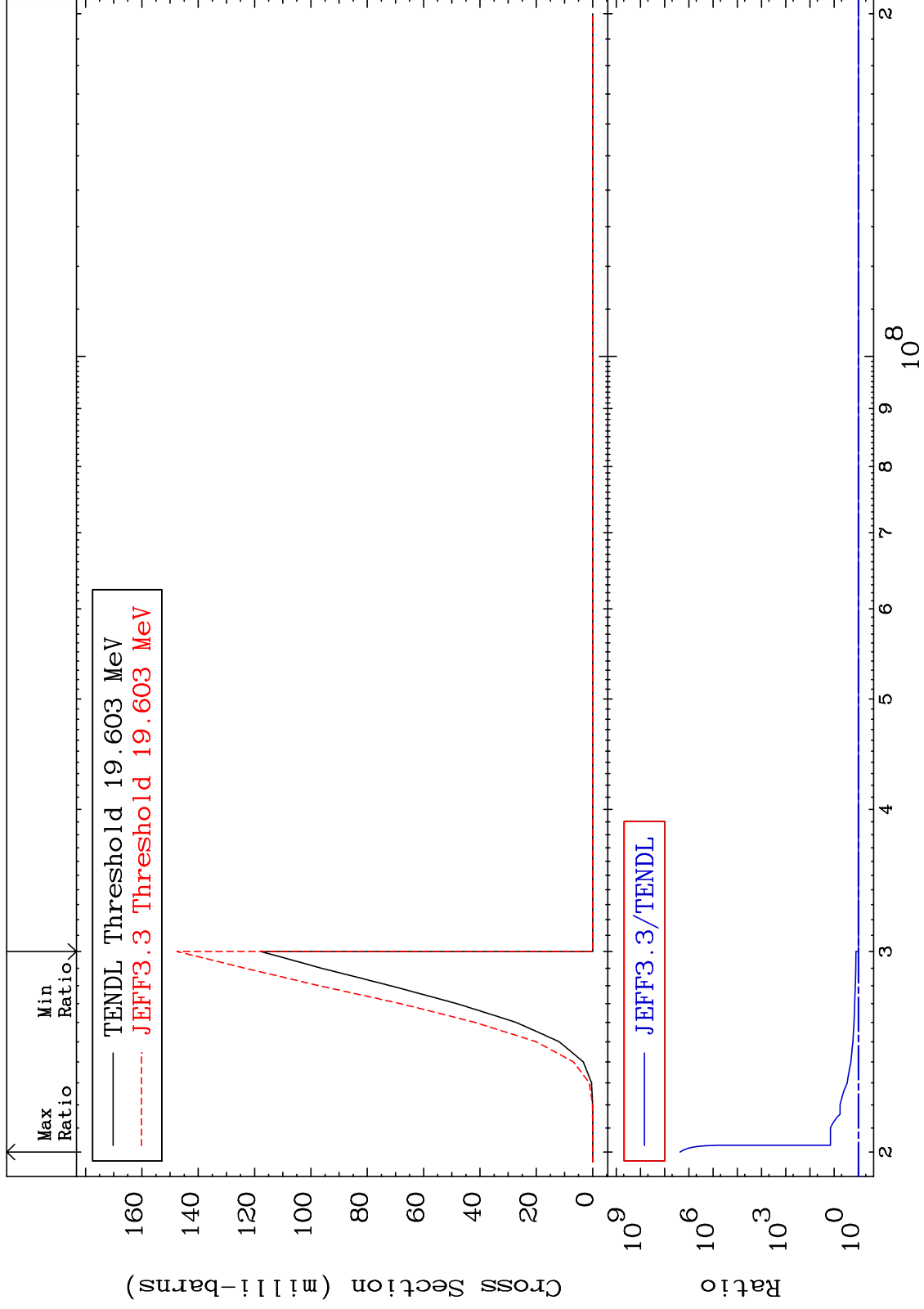


MAT 3625

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

36-Kr-78

Radionuclide Production Cross Section 0.000 To 9999. %

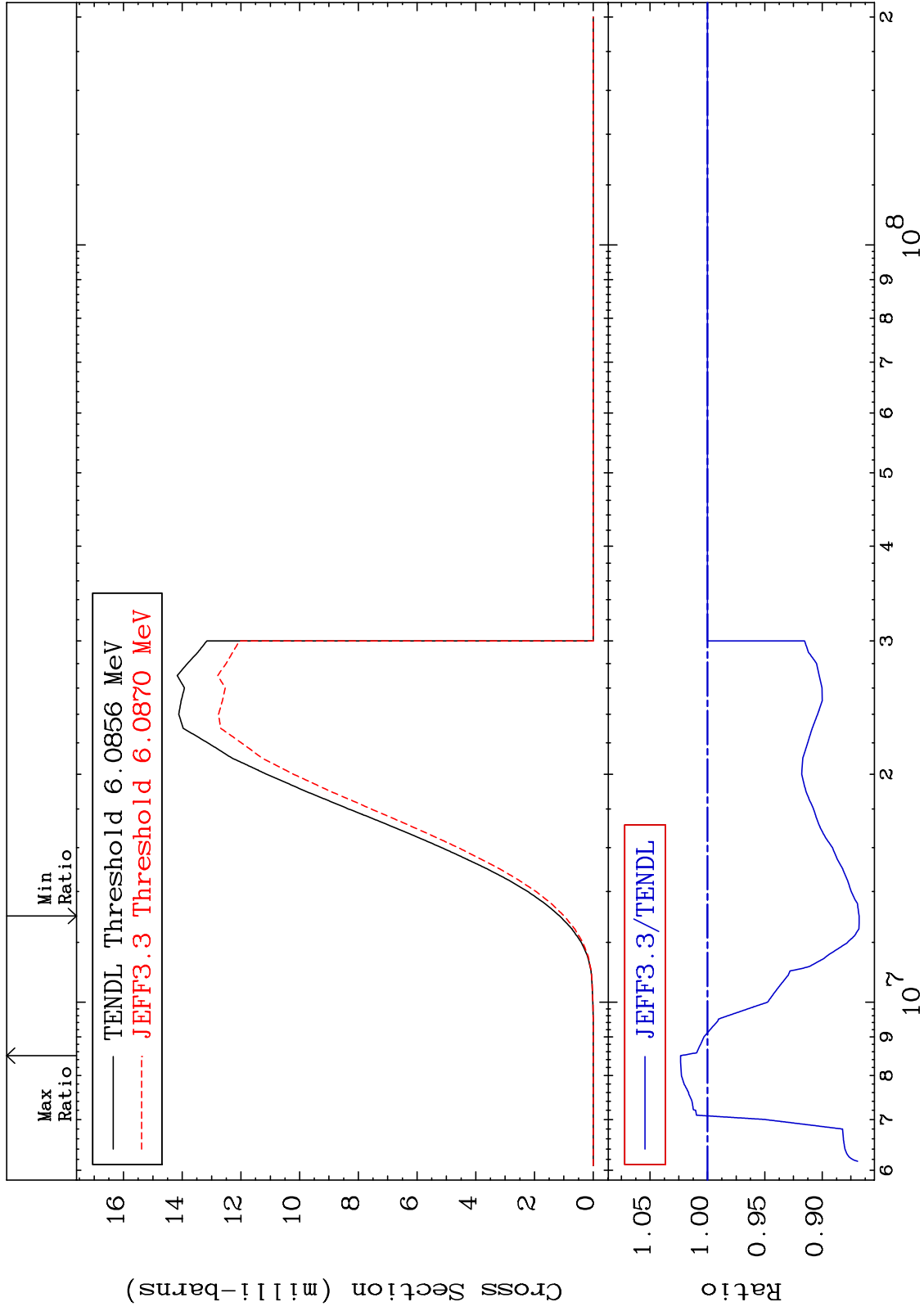


MAT 3625

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

36-Kr-78

Radionuclide Production Cross Section -13.22 To 2.338 %



85

Incident Energy (eV)

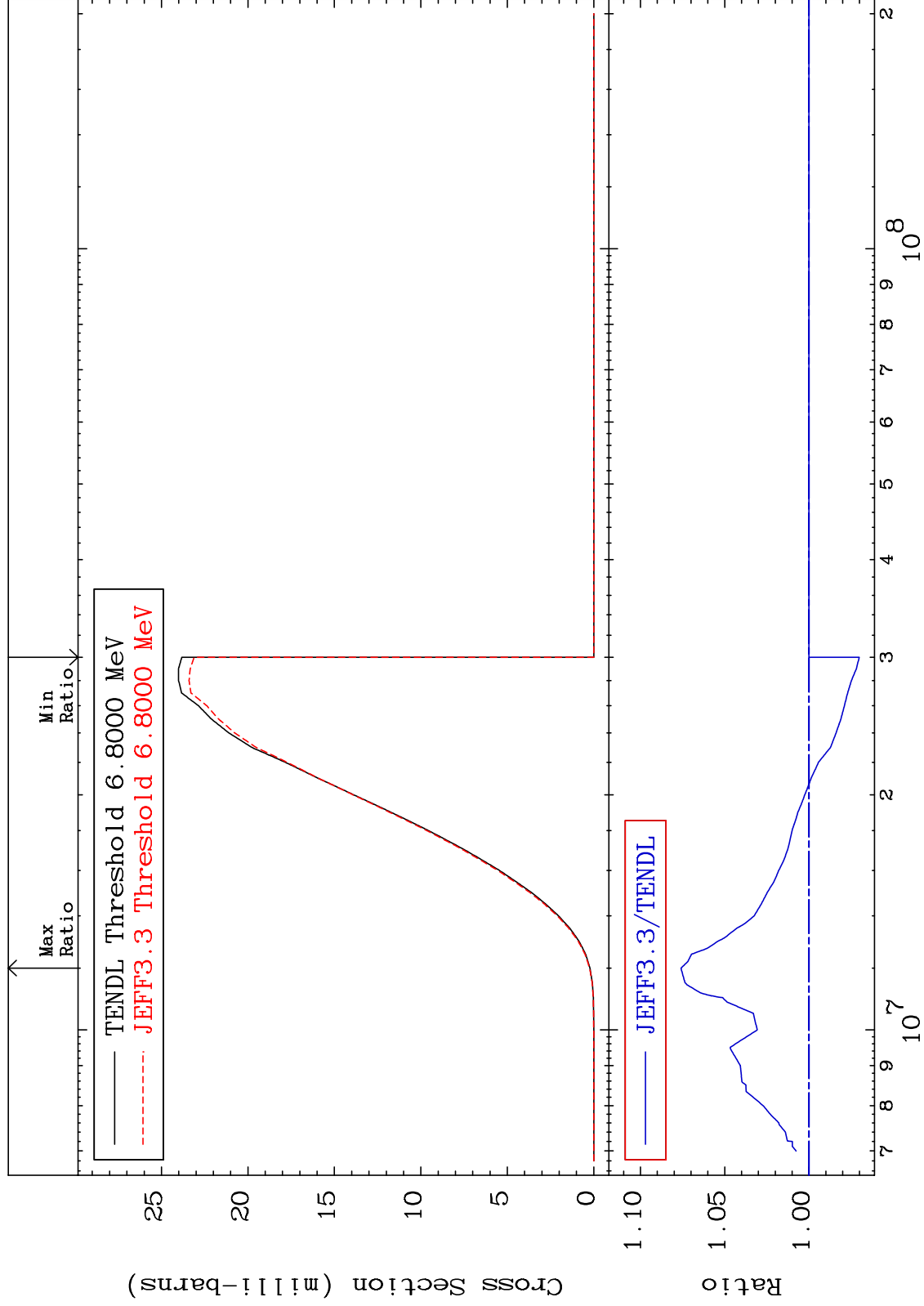
36-Kr-78

MAT 3625

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

36-Kr-78

Radionuclide Production Cross Section -2.984 To 7.592 %



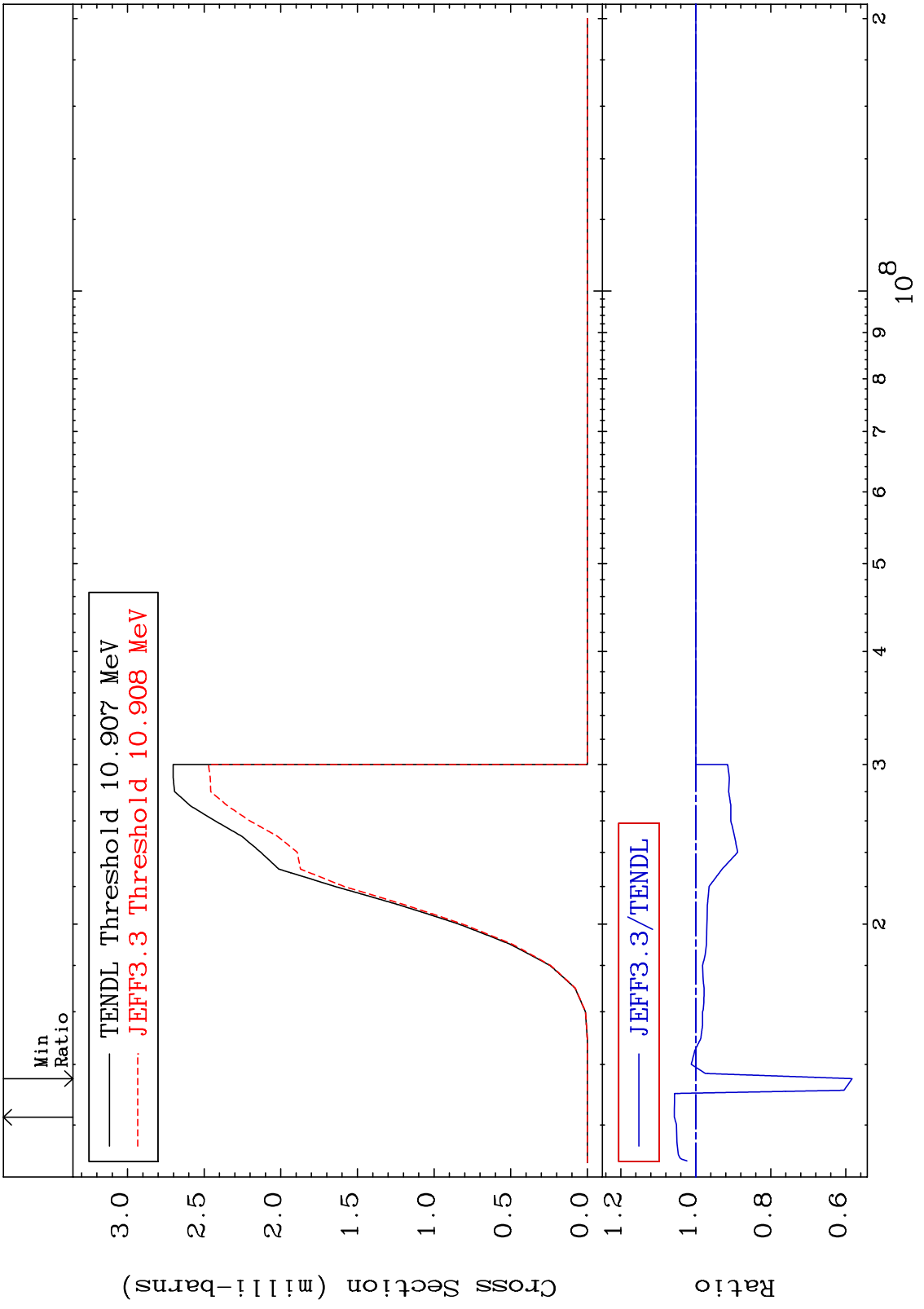
MAT 3625

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

36-Kr-78

Radionuclide Production Cross Section

-41.70 To 5.713 %



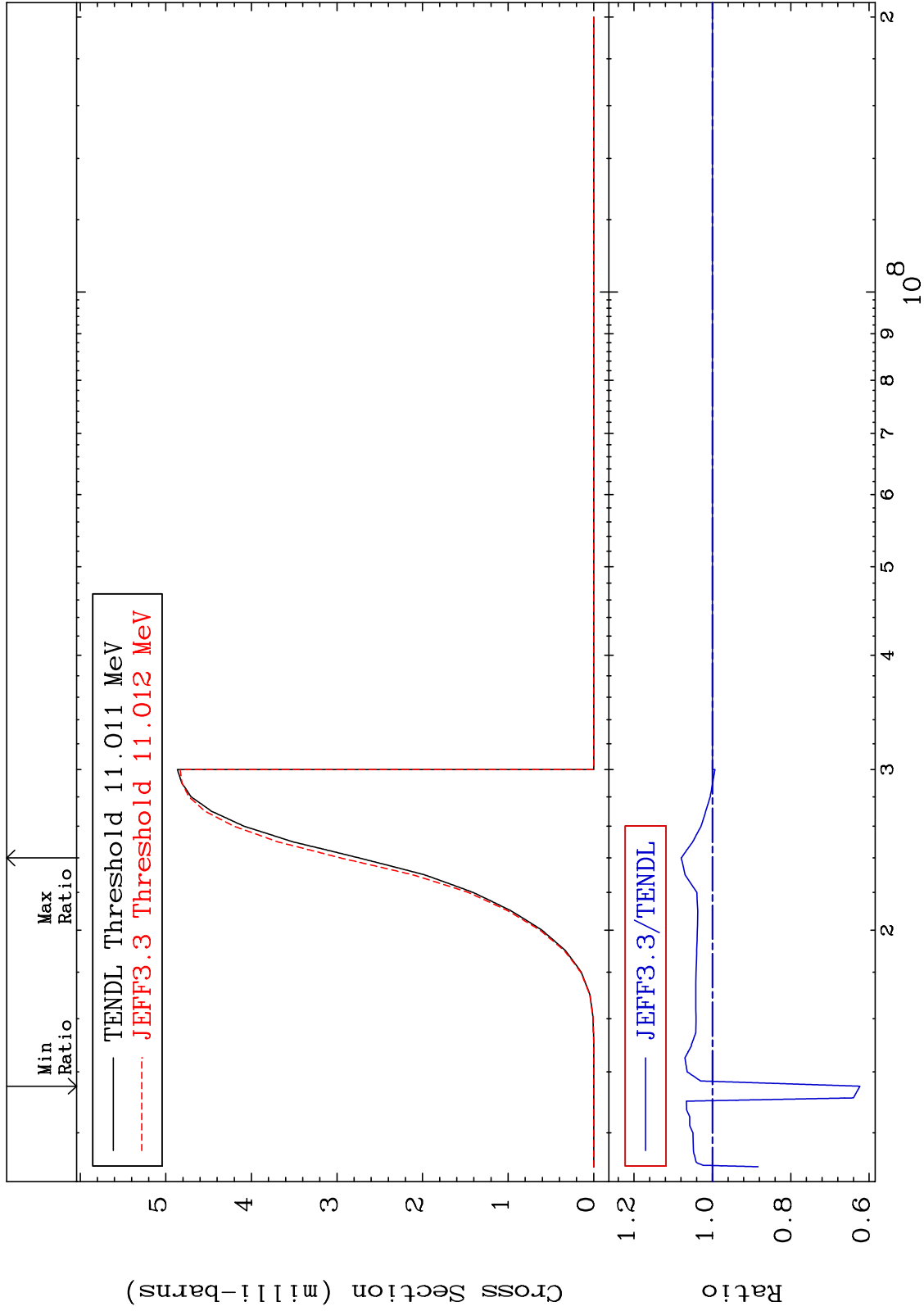


MAT 3625

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

36-Kr-78

Radionuclide Production Cross Section -37.65 To 7.949 %

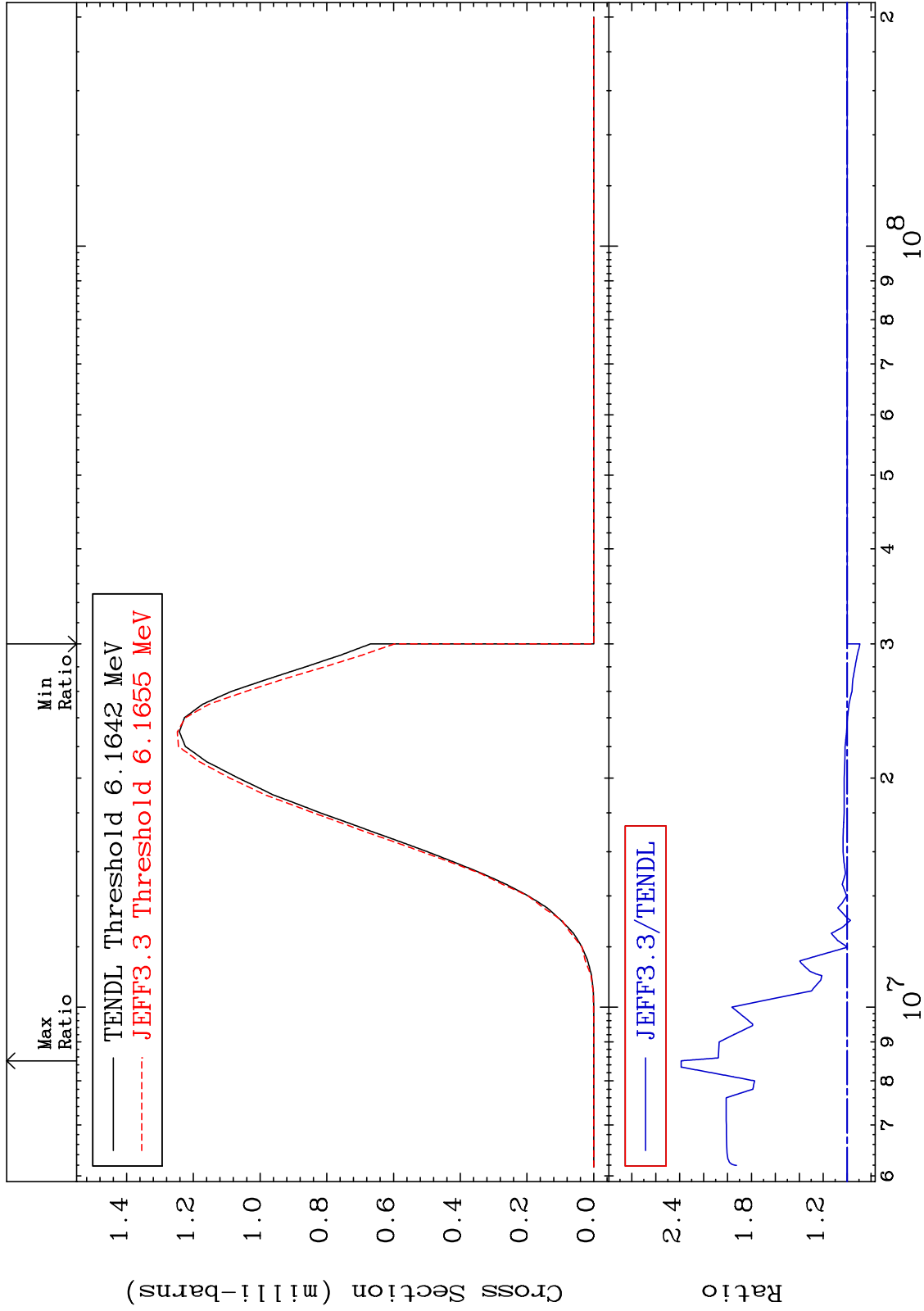


MAT 3625

36-Kr-78

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

Radionuclide Production Cross Section -10.70 To 138.7 %

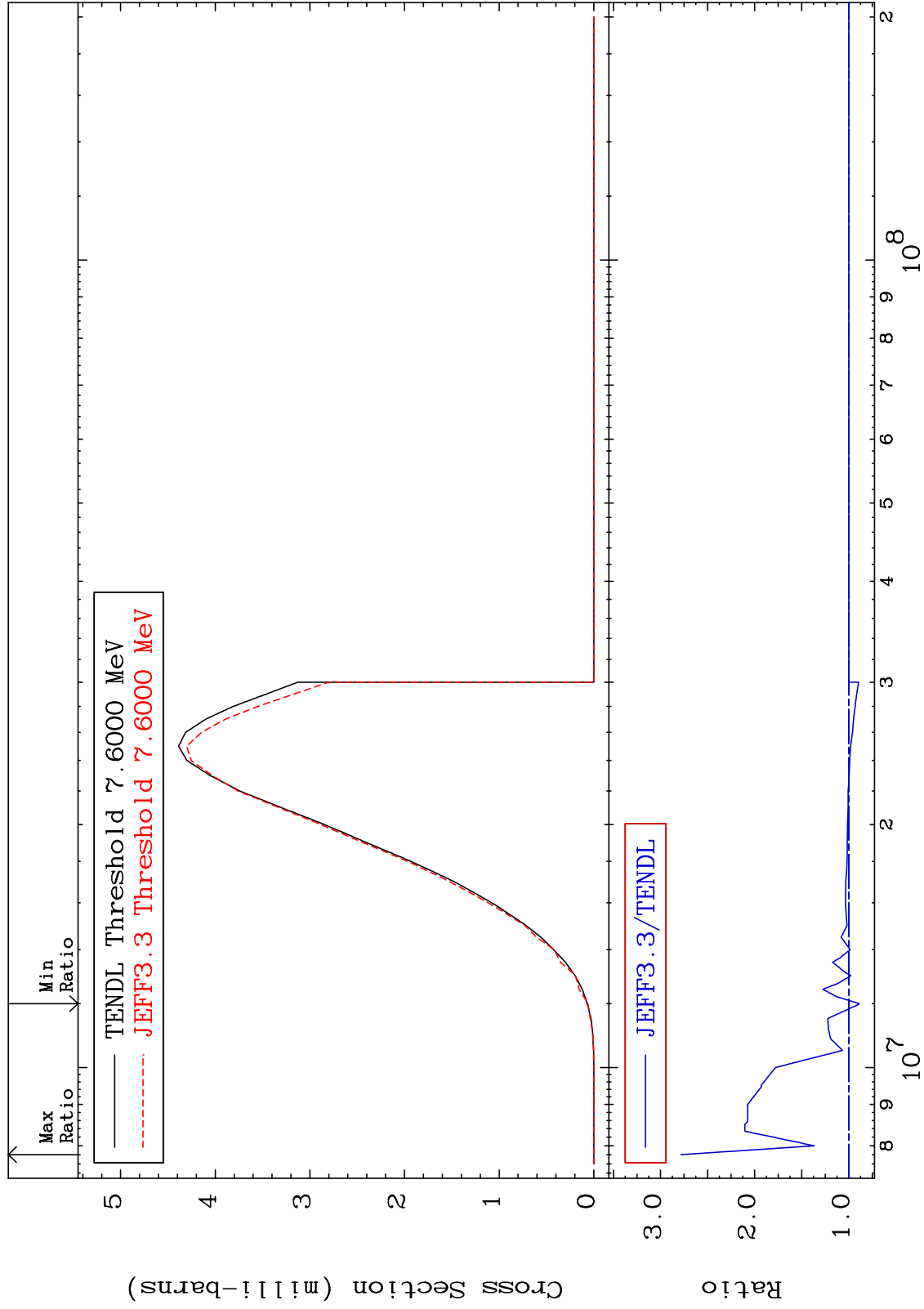


MAT 3625

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

36-Kr-78

Radionuclide Production Cross Section -11.22 To 178.2 %



90

Incident Energy (eV)

36-Kr-78