

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

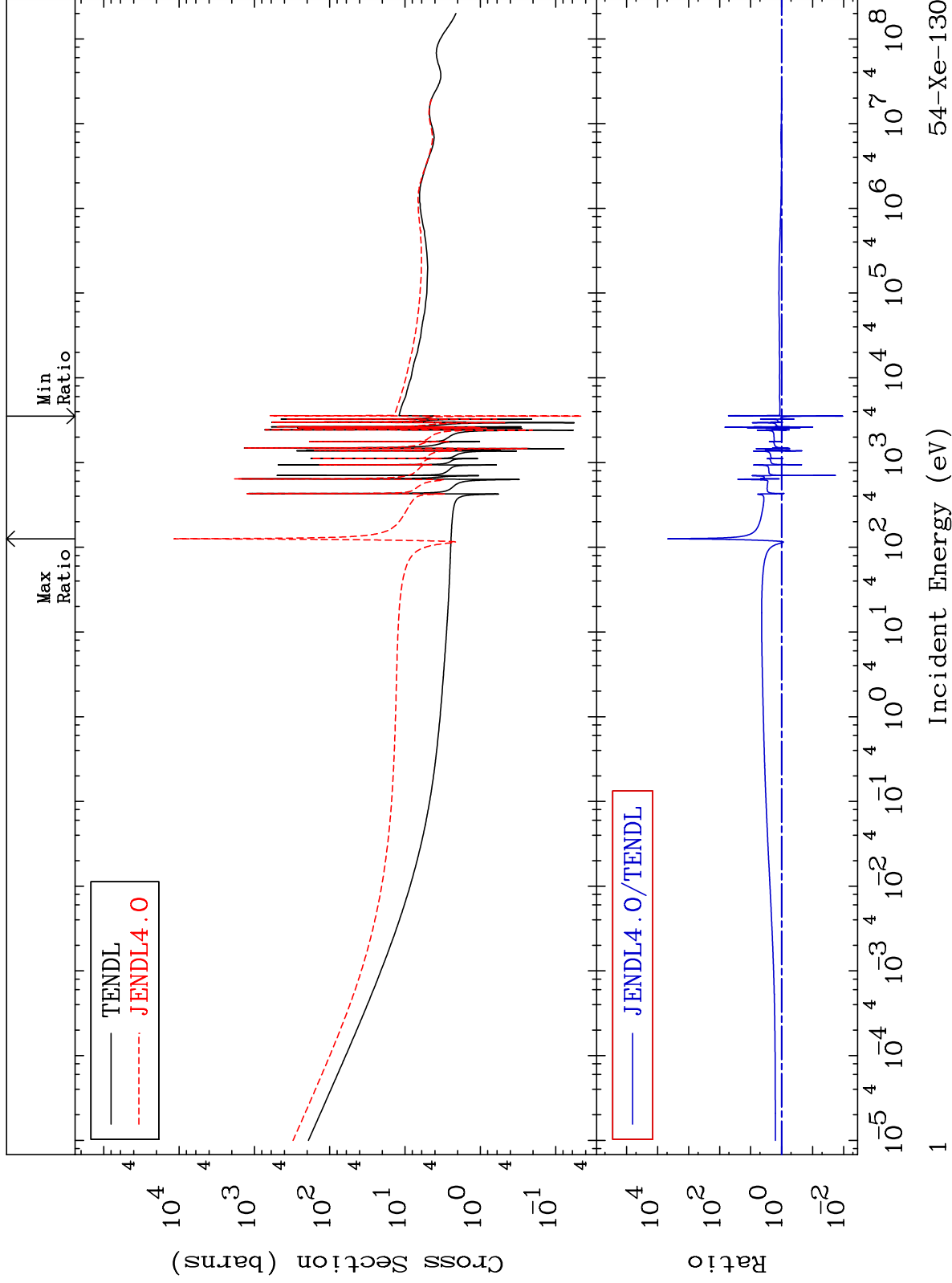
MAT 5443

Total

54-Xe-130

Cross Section

-98.92 To 9999. %

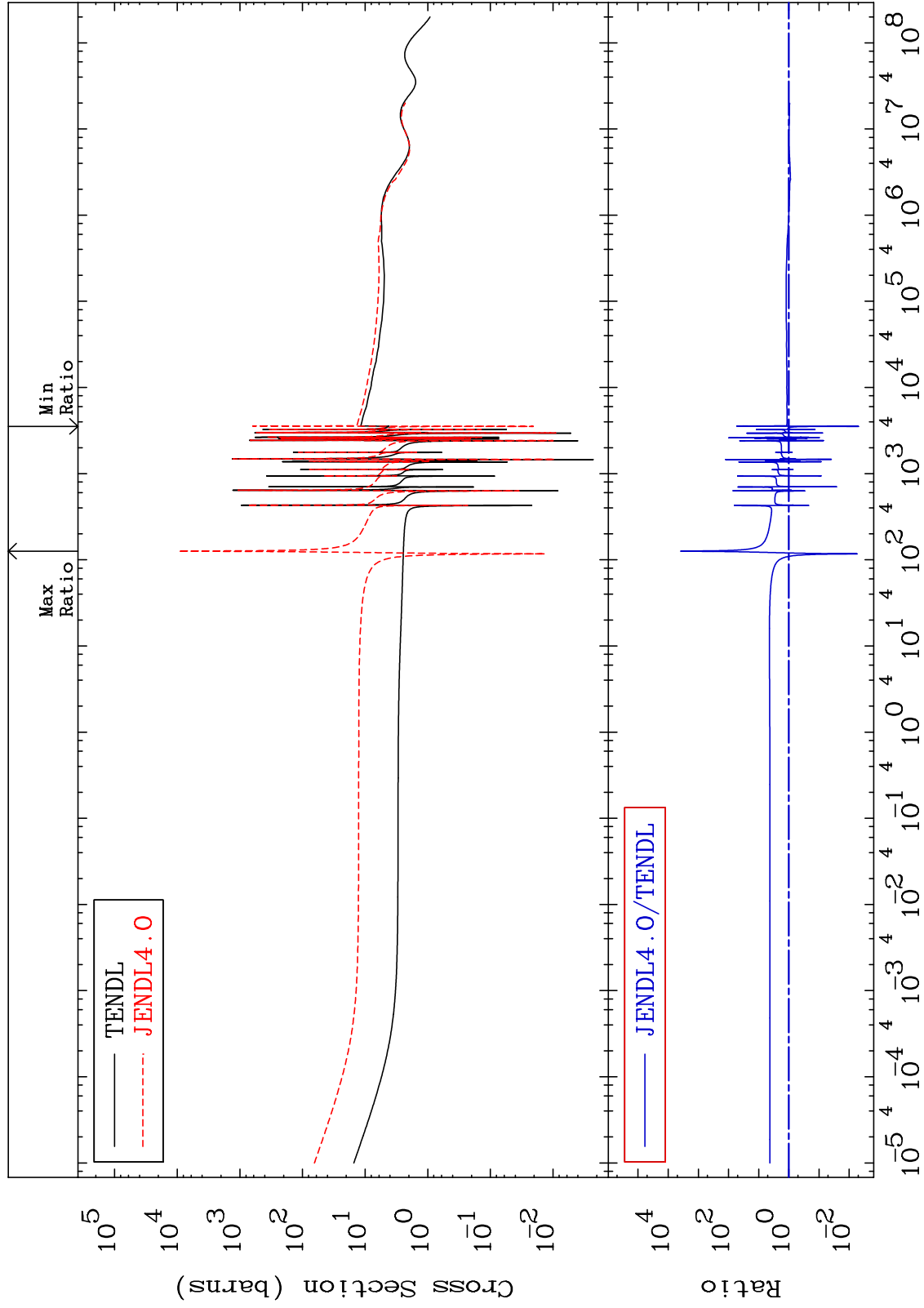


54-Xe-130

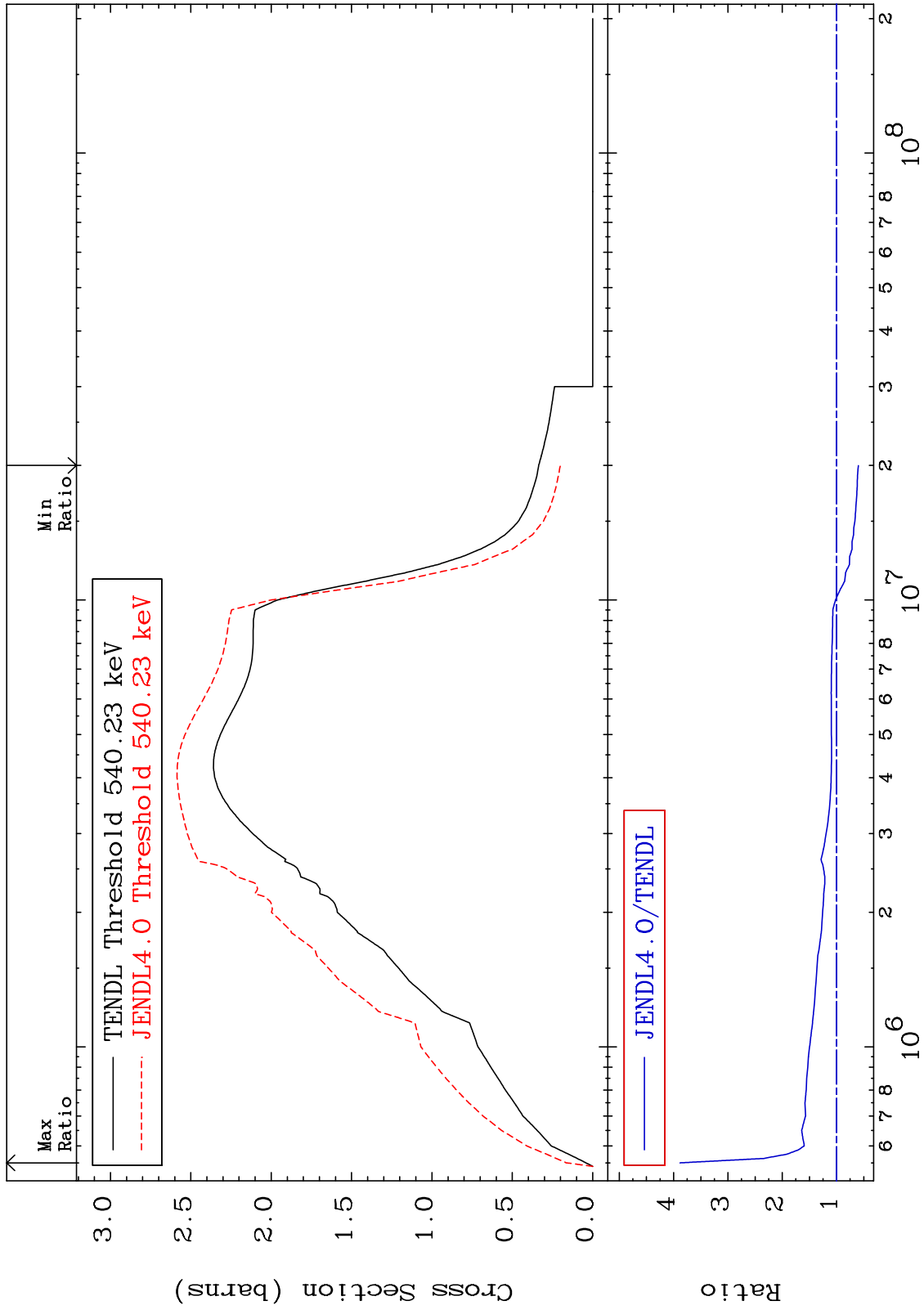
MAT 5443

Elastic  
Cross Section

54-Xe-130  
-99.51 To 9999. %



MAT 5443 Inelastic Cross Section 54-Xe-130 -40.15 To 288.2 %



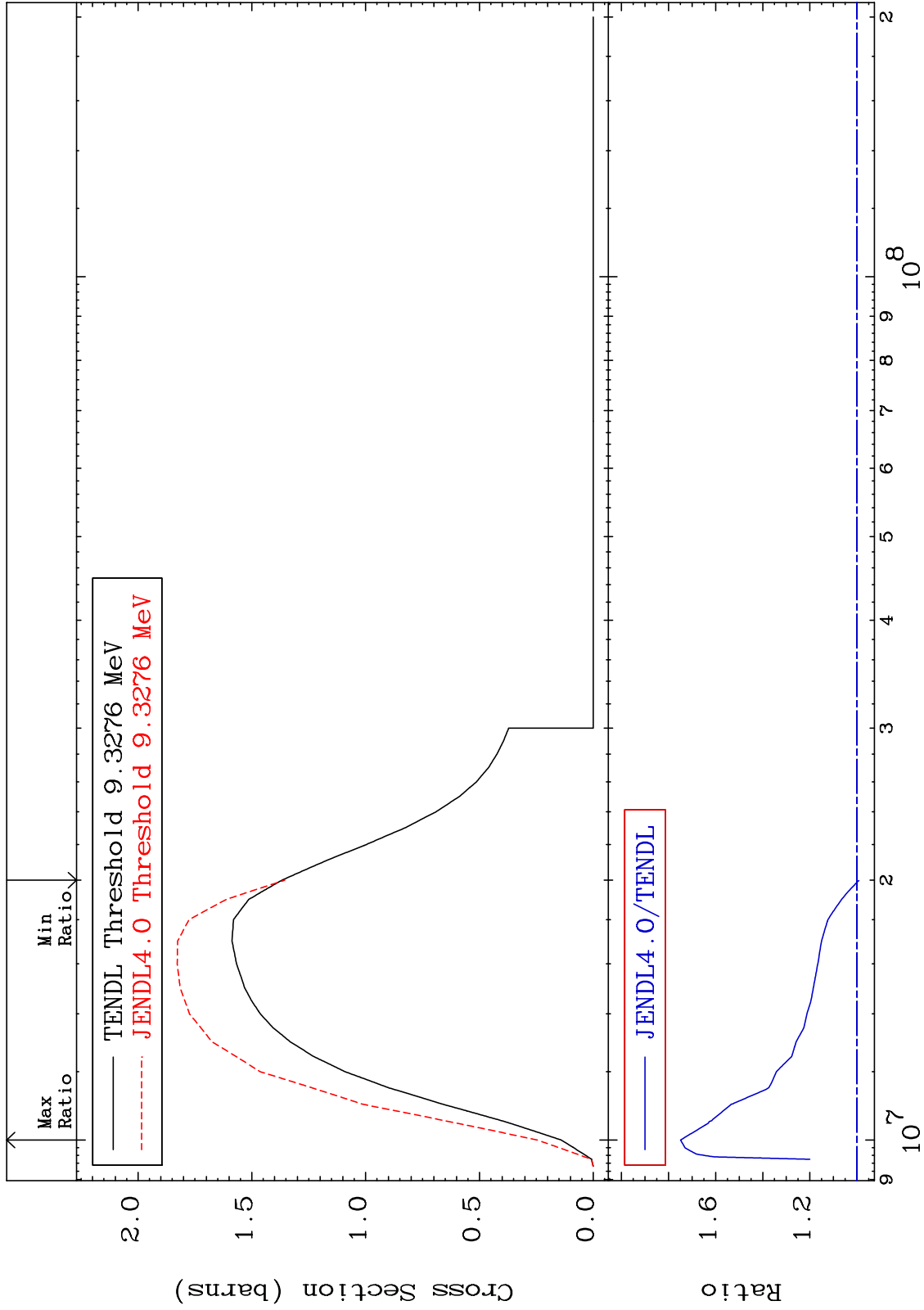
MAT 5443

(n,2n)

54-Xe-130

Cross Section

-0.934 To 74.86 %



Incident Energy (eV)

54-Xe-130

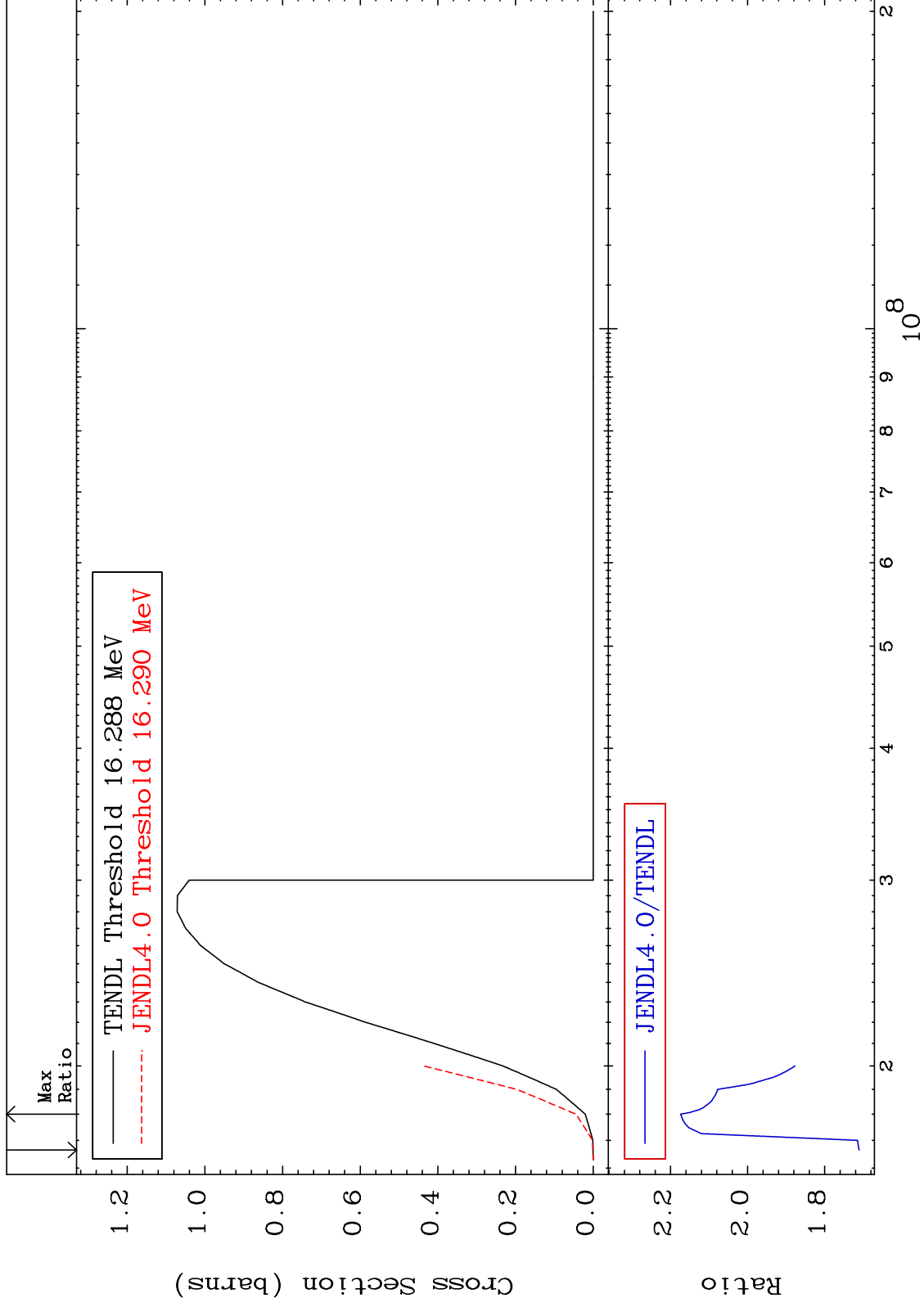
MAT 5443

(n, 3n)

54-Xe-130

Cross Section

71.06 To 117.4 %



54-Xe-130

Incident Energy (eV)

5

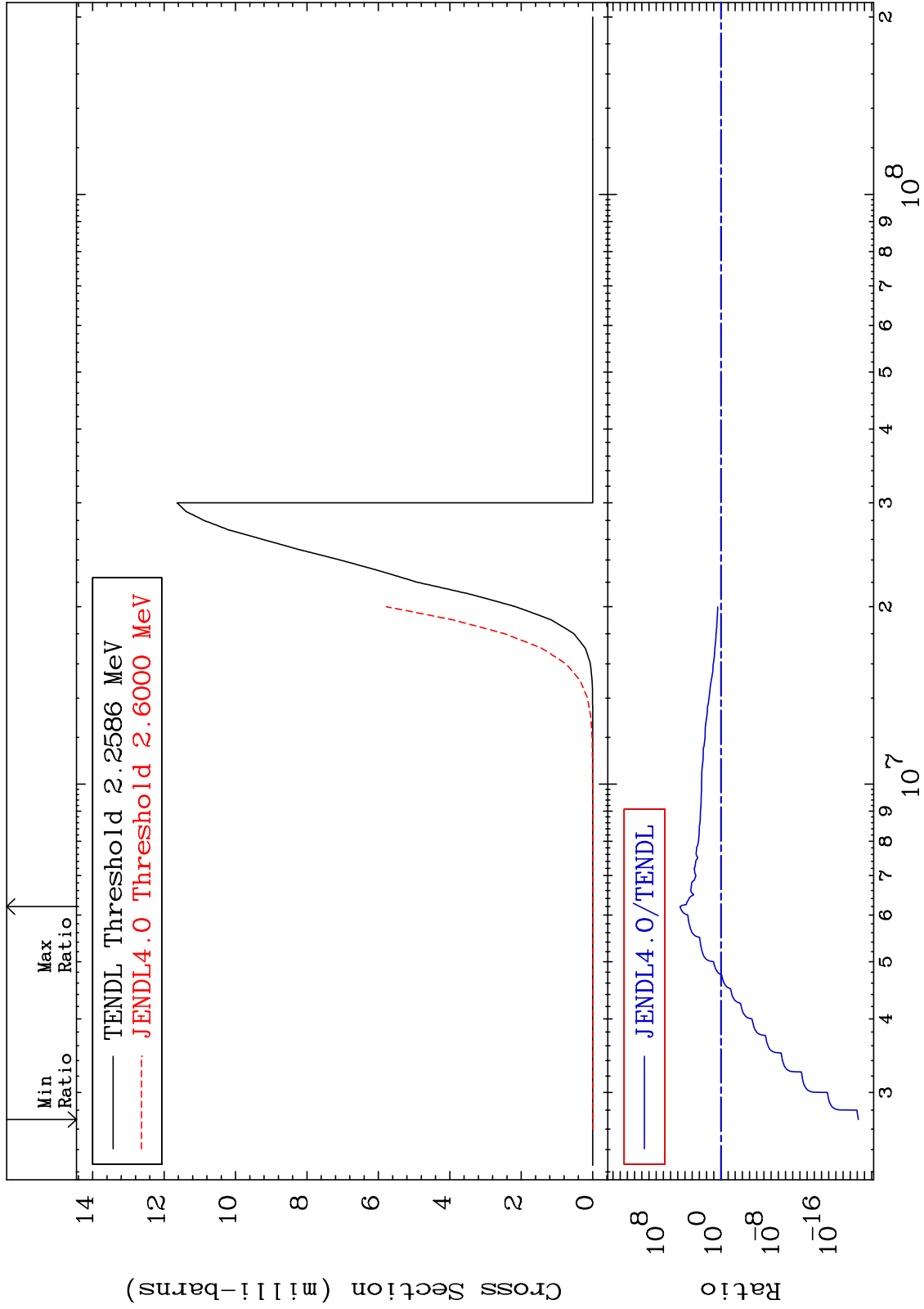
MAT 5443

(n,n')  $\alpha$

54-Xe-130

Cross Section

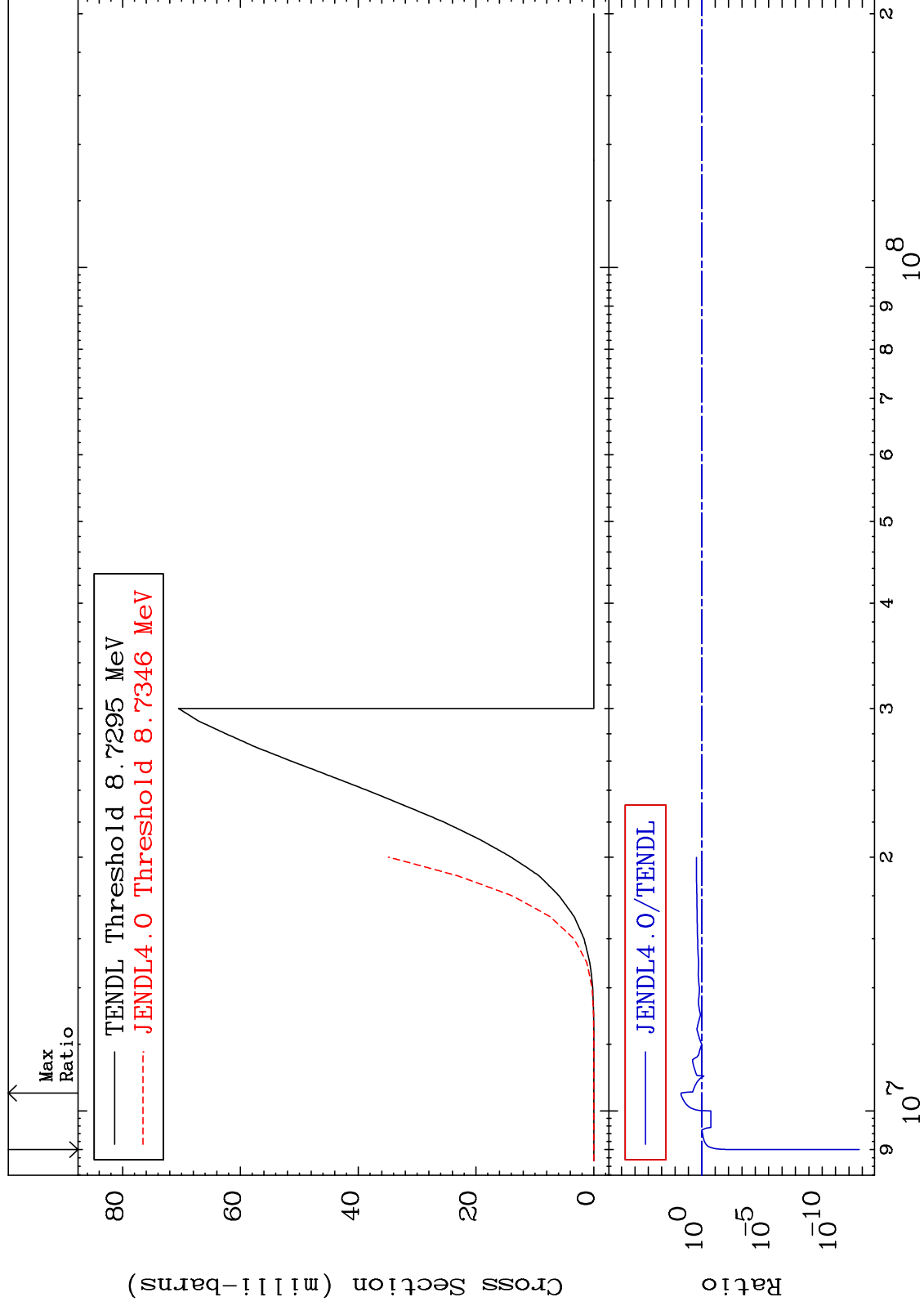
-100.0 To 9999. %



MAT 5443

(n,n') p  
Cross Section

54-Xe-130  
-100.0 To 3451. %



7

Incident Energy (eV)

54-Xe-130



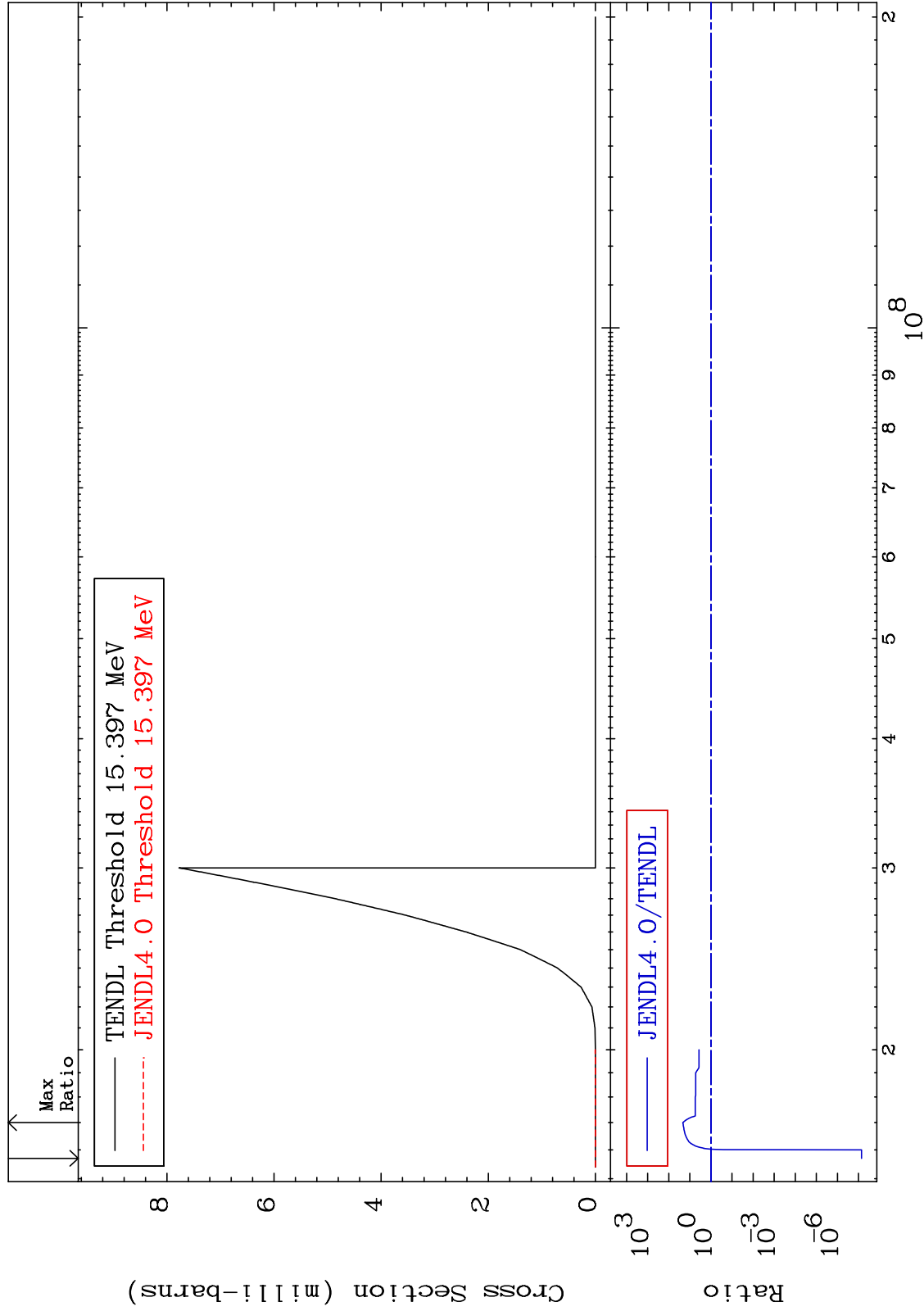
MAT 5443

(n,n') d

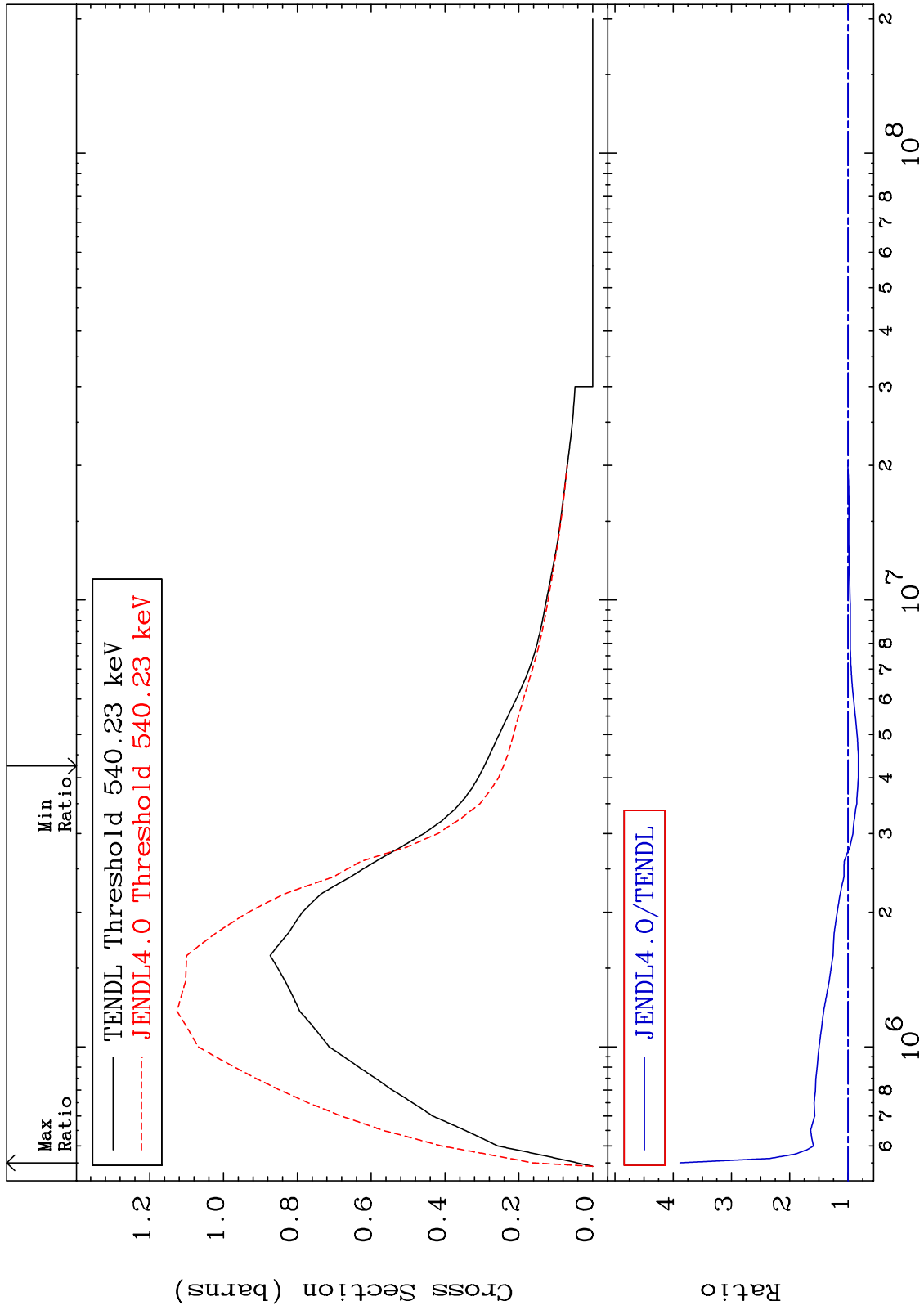
54-Xe-130

Cross Section

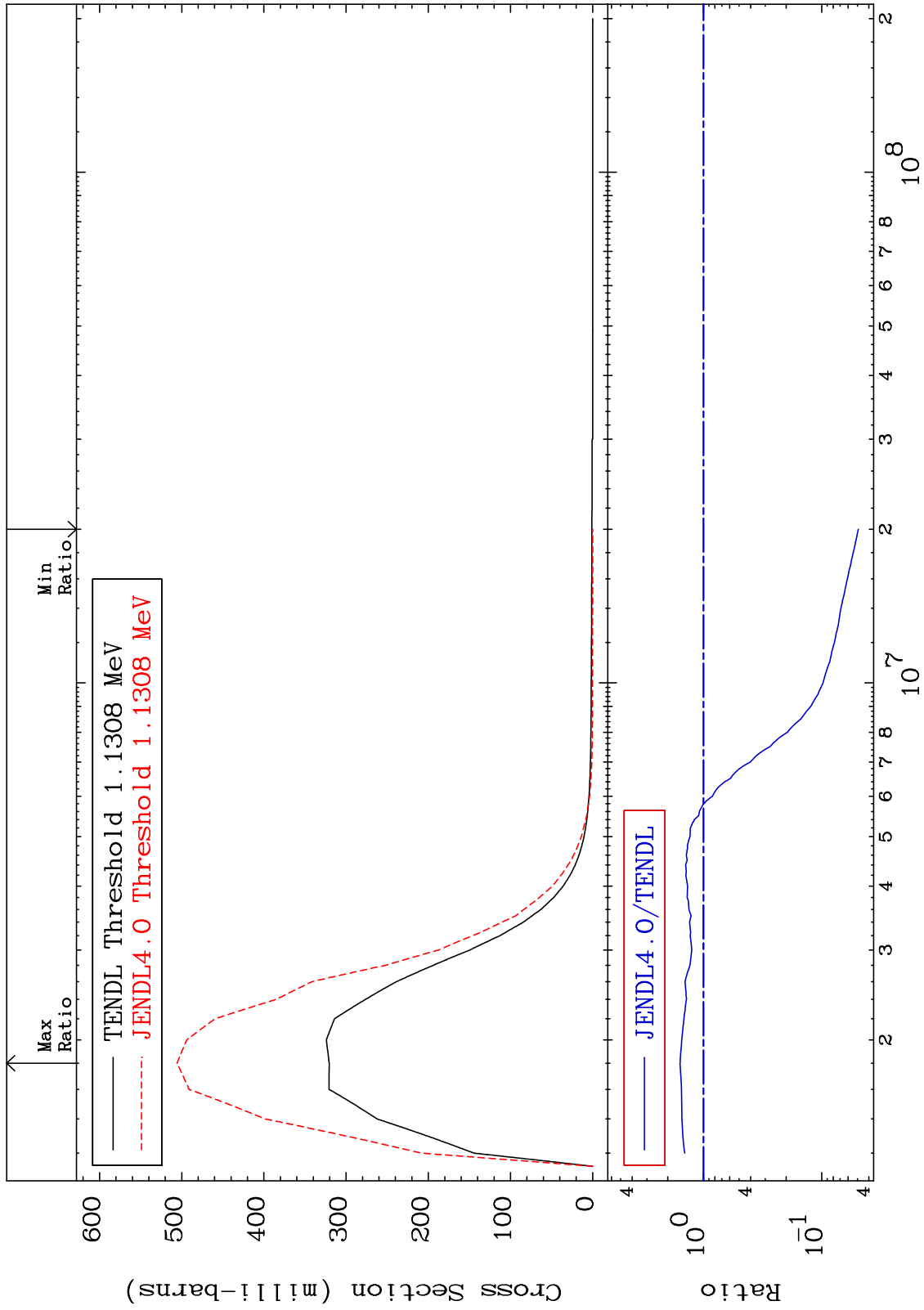
-100.0 To 2038. %



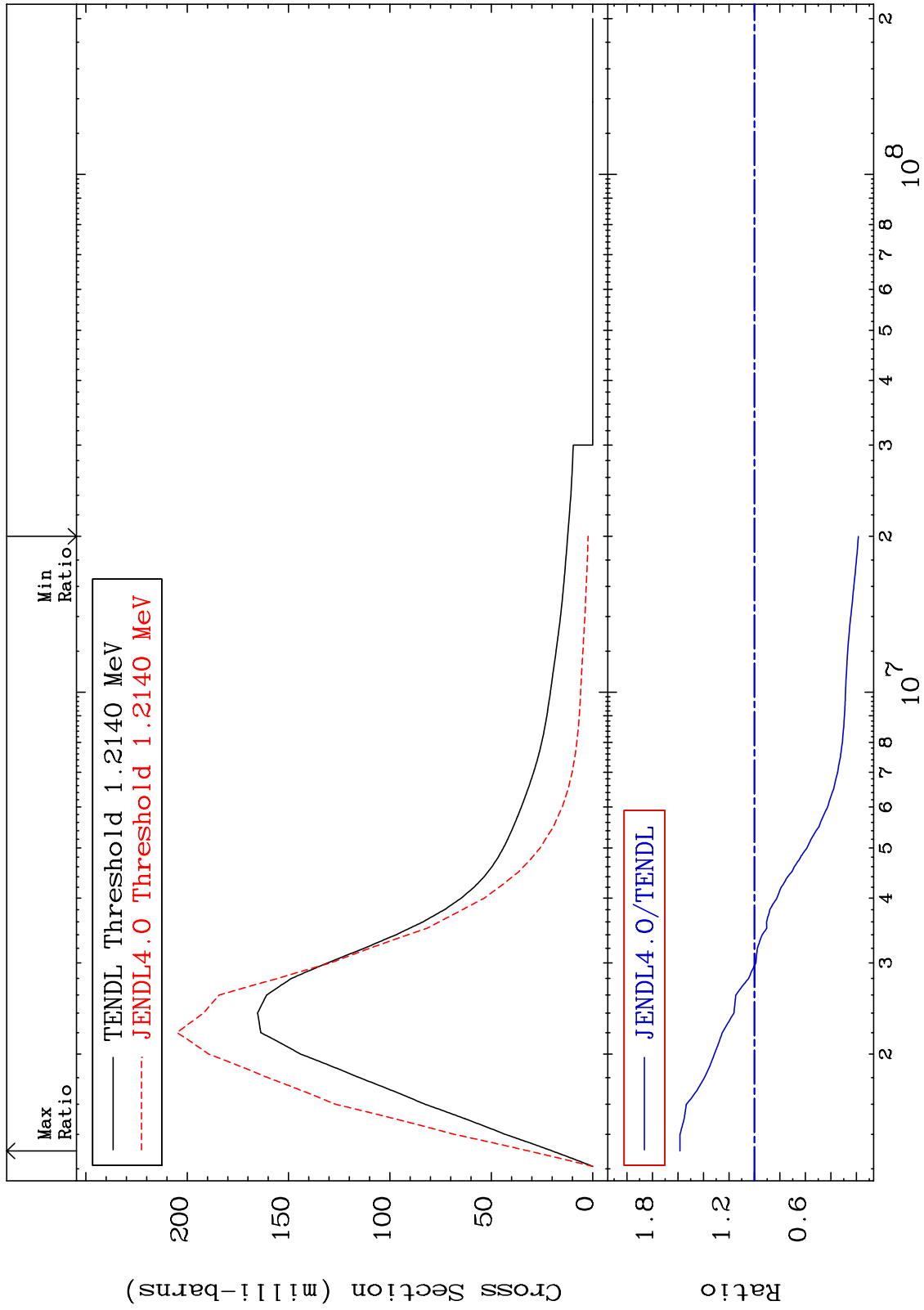
MAT 5443 MT= 51 (n,n') Level Cross Section -17.77 To 288.2 % 54-Xe-130



MAT 5443 MT= 52 (n, n') Level  
Cross Section 54-Xe-130  
-95.10 To 57.75 %



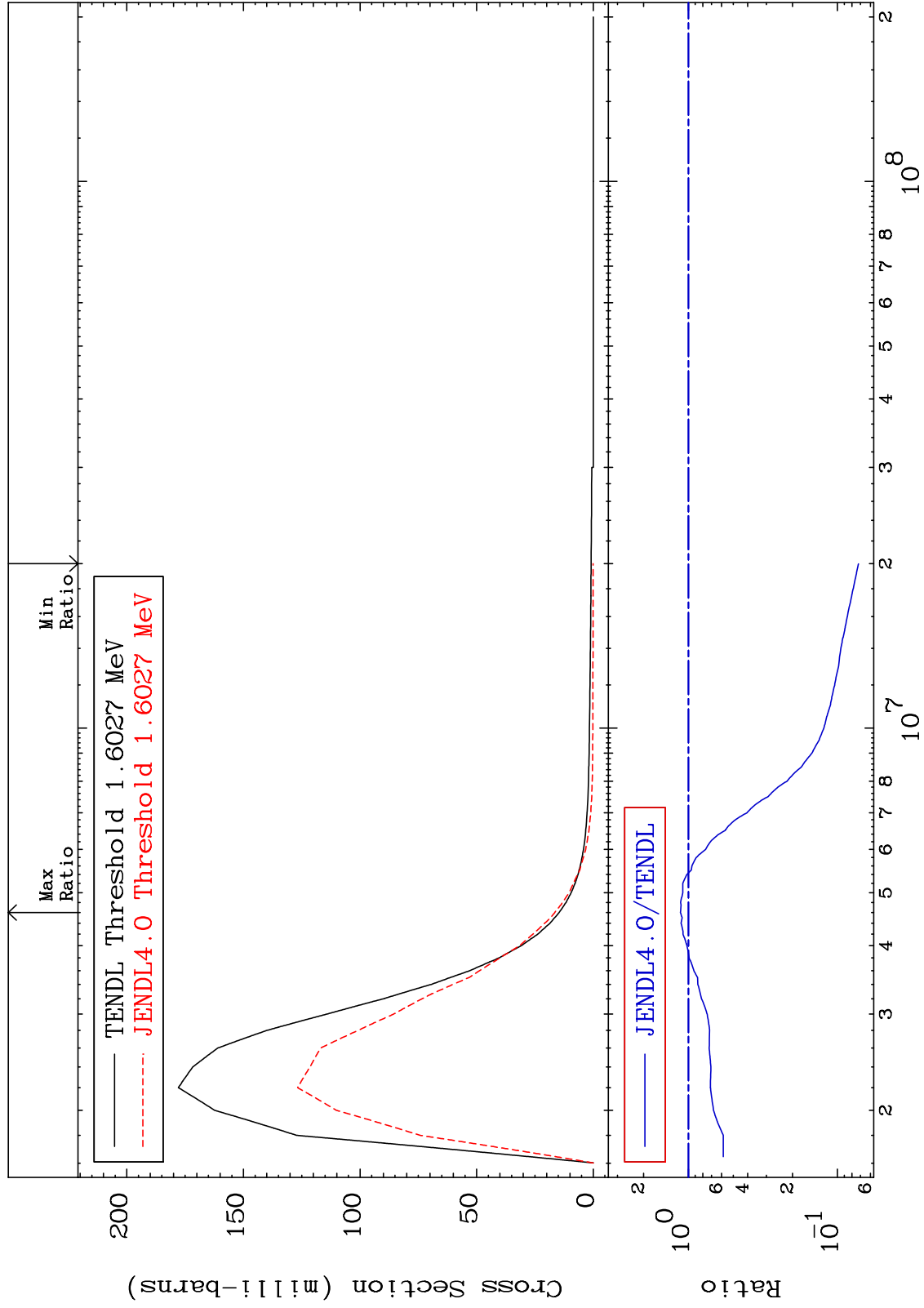
MAT 5443 MT= 53 (n,n') Level Cross Section 54-Xe-130 -81.55 To 58.35 %



MAT 5443

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

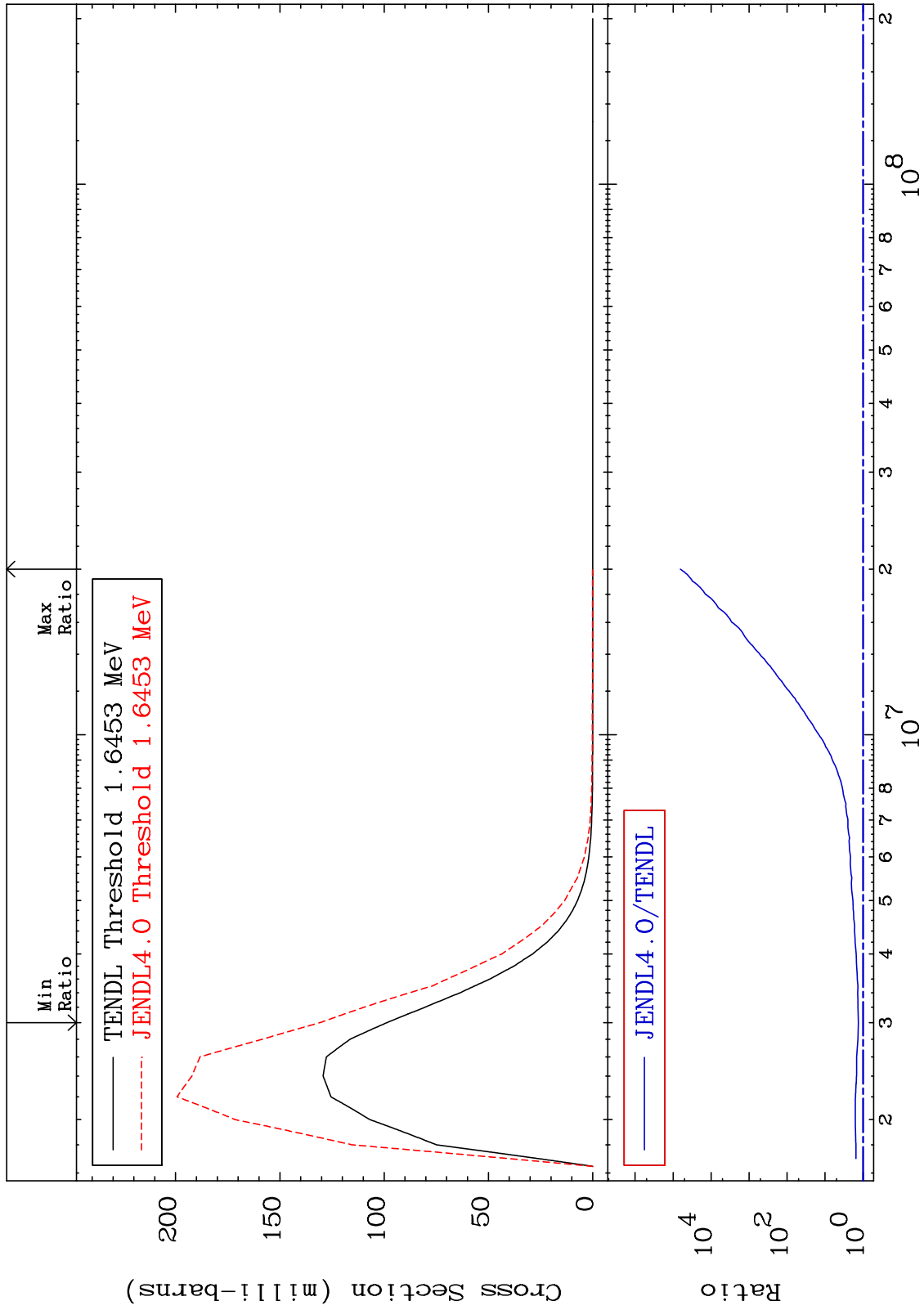
54-Xe-130  
-92.78 To 13.20 %



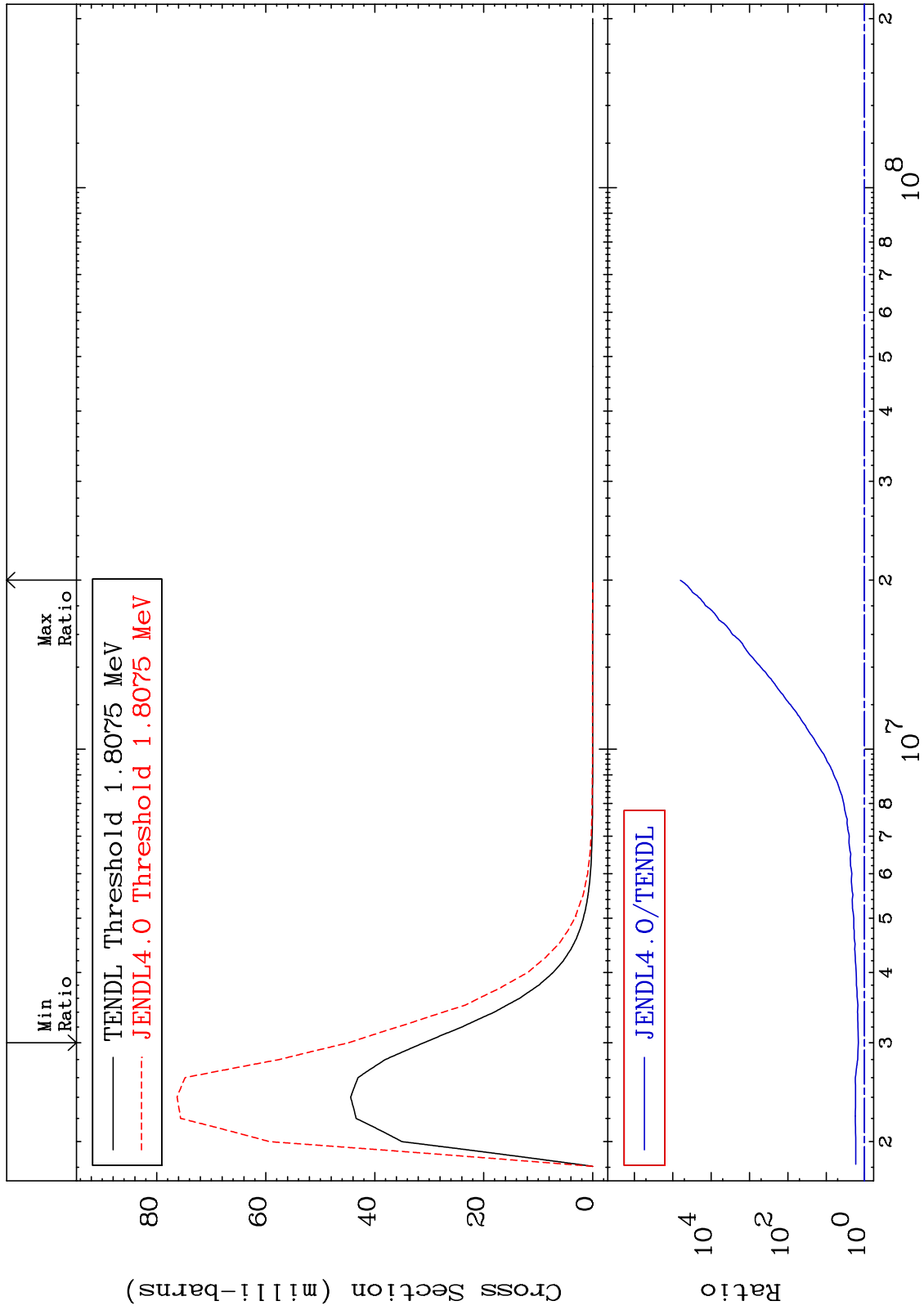
MAT 5443

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

54-Xe-130  
32.49 To 9999. %



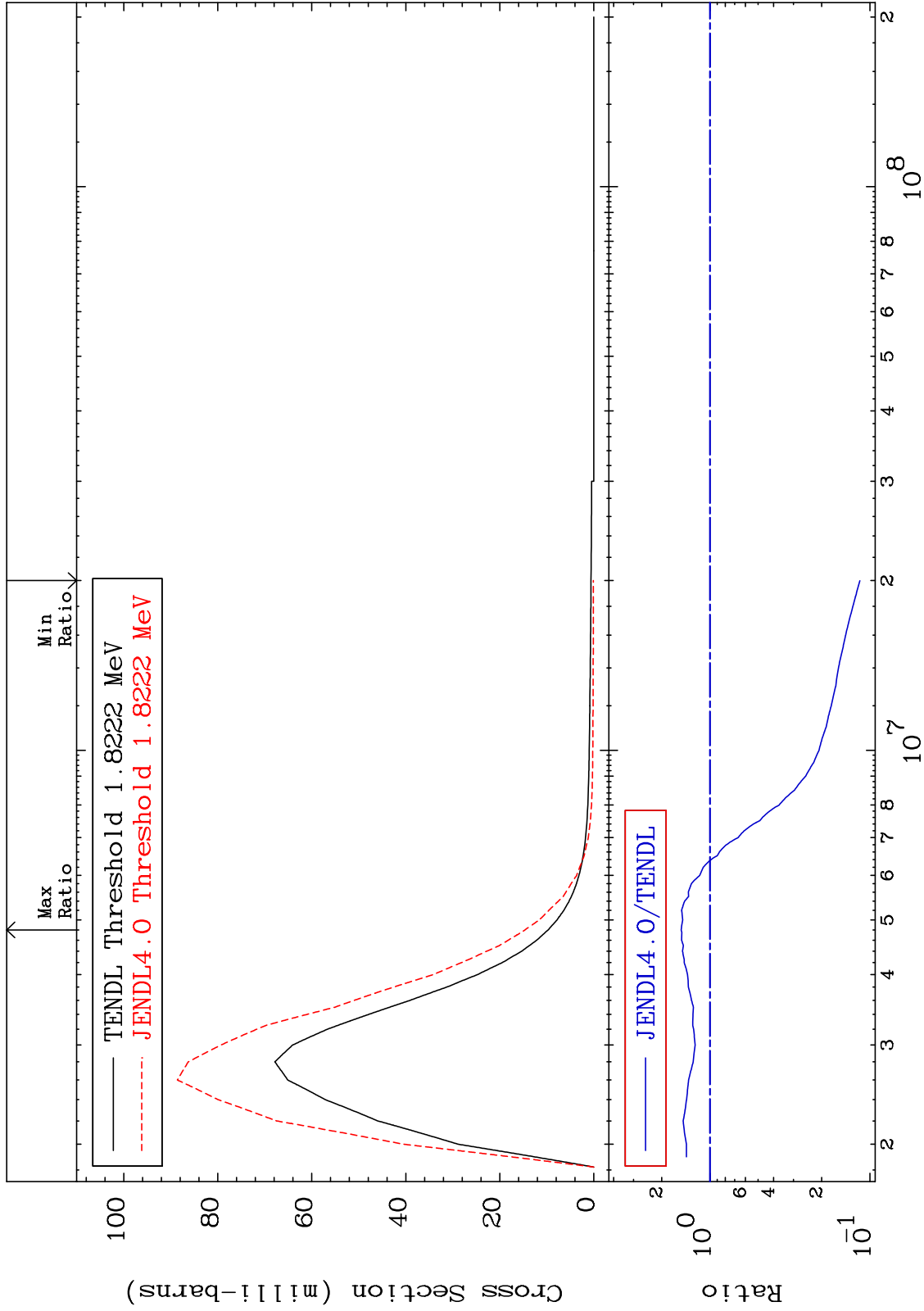
MAT 5443 MT= 56 (n, n') Level Cross Section 54-Xe-130 To 9999. %  
 44.60



MAT 5443

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

54-Xe-130  
-88.46 To 51.08 %

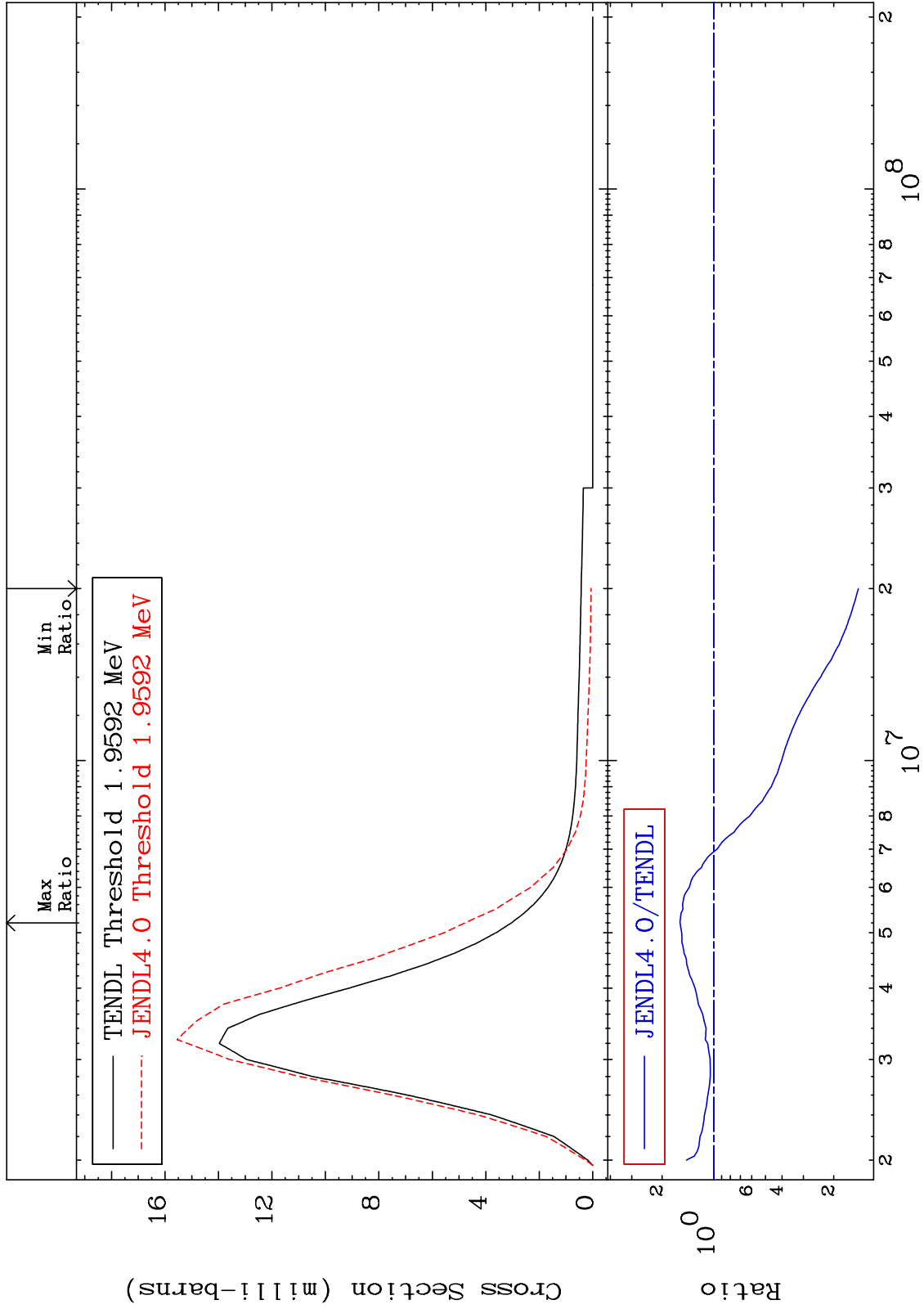




MAT 5443

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

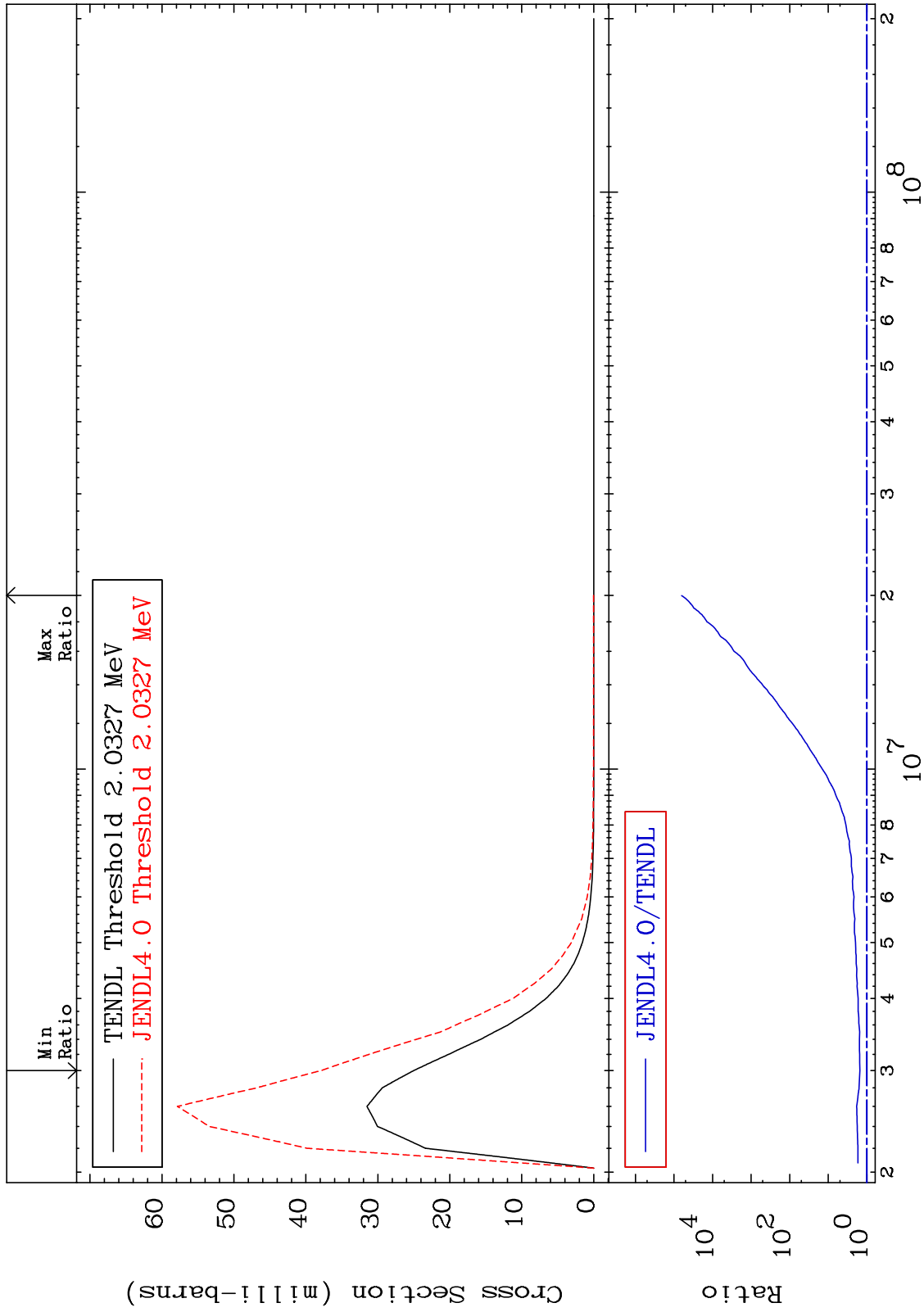
54-Xe-130  
-85.64 To 57.13 %



MAT 5443

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

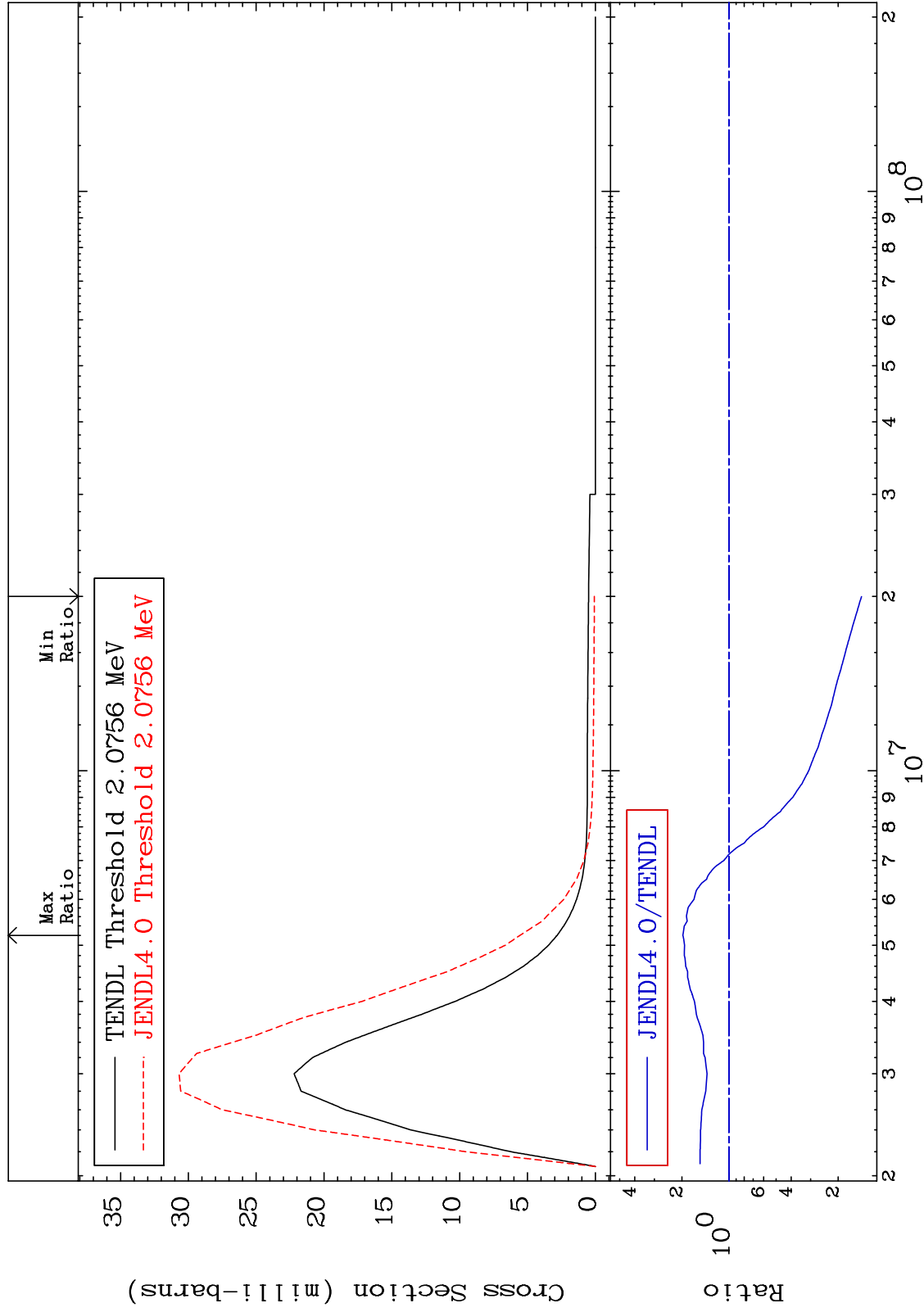
54-Xe-130  
51.49 To 9999. %



MAT 5443

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

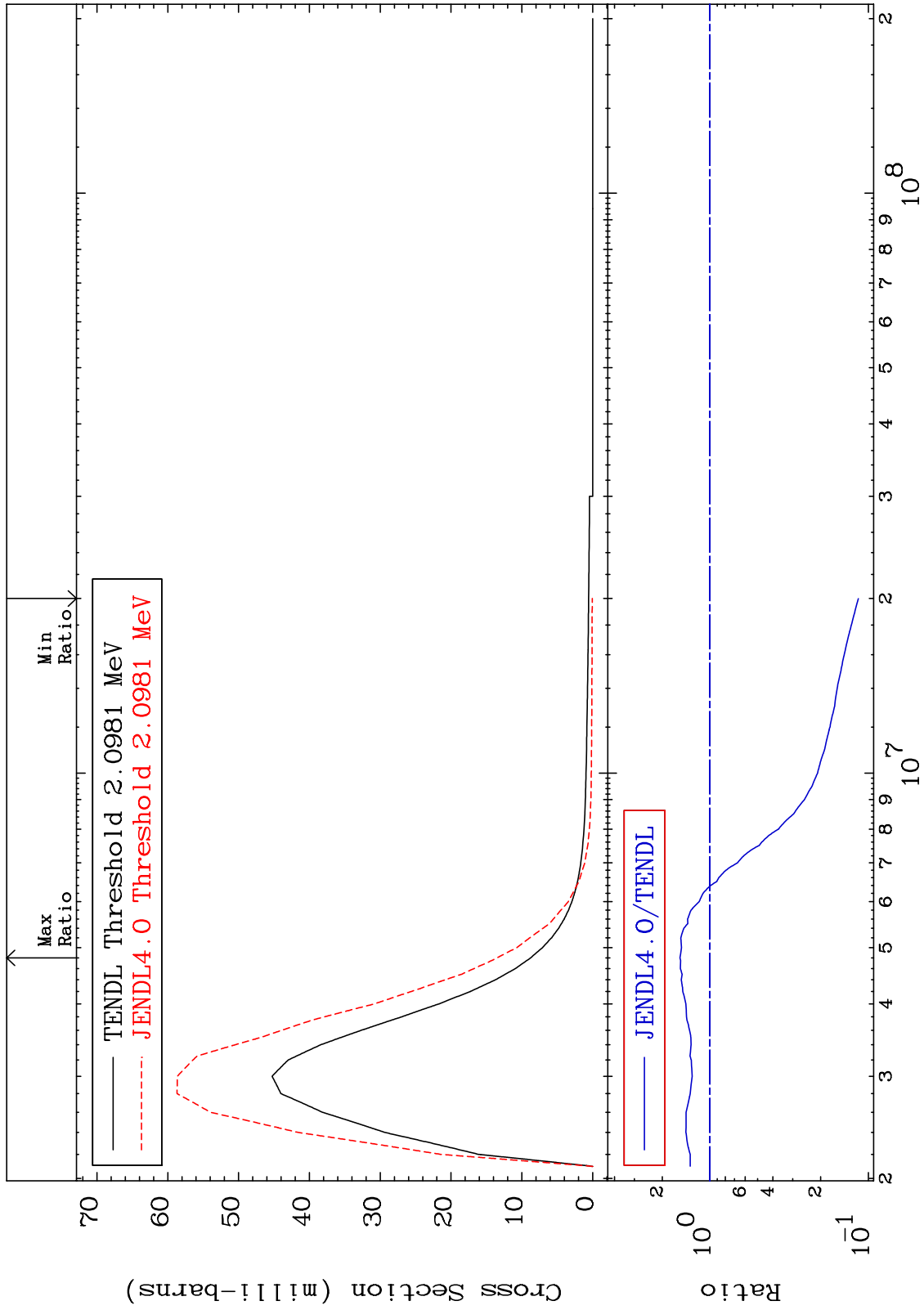
54-Xe-130  
-85.82 To 97.16 %



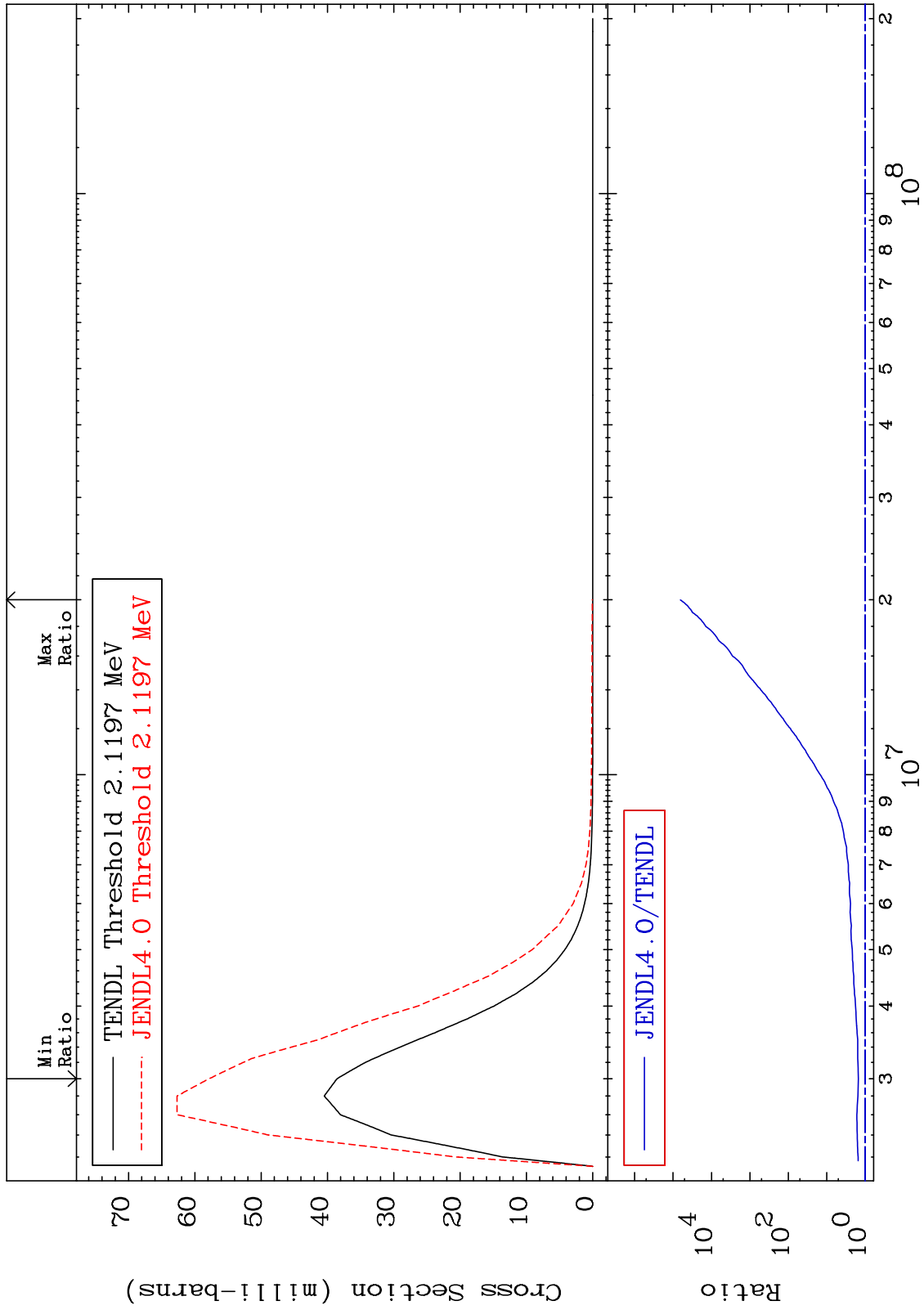
MAT 5443

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

54-Xe-130  
-88.45 To 54.48 %



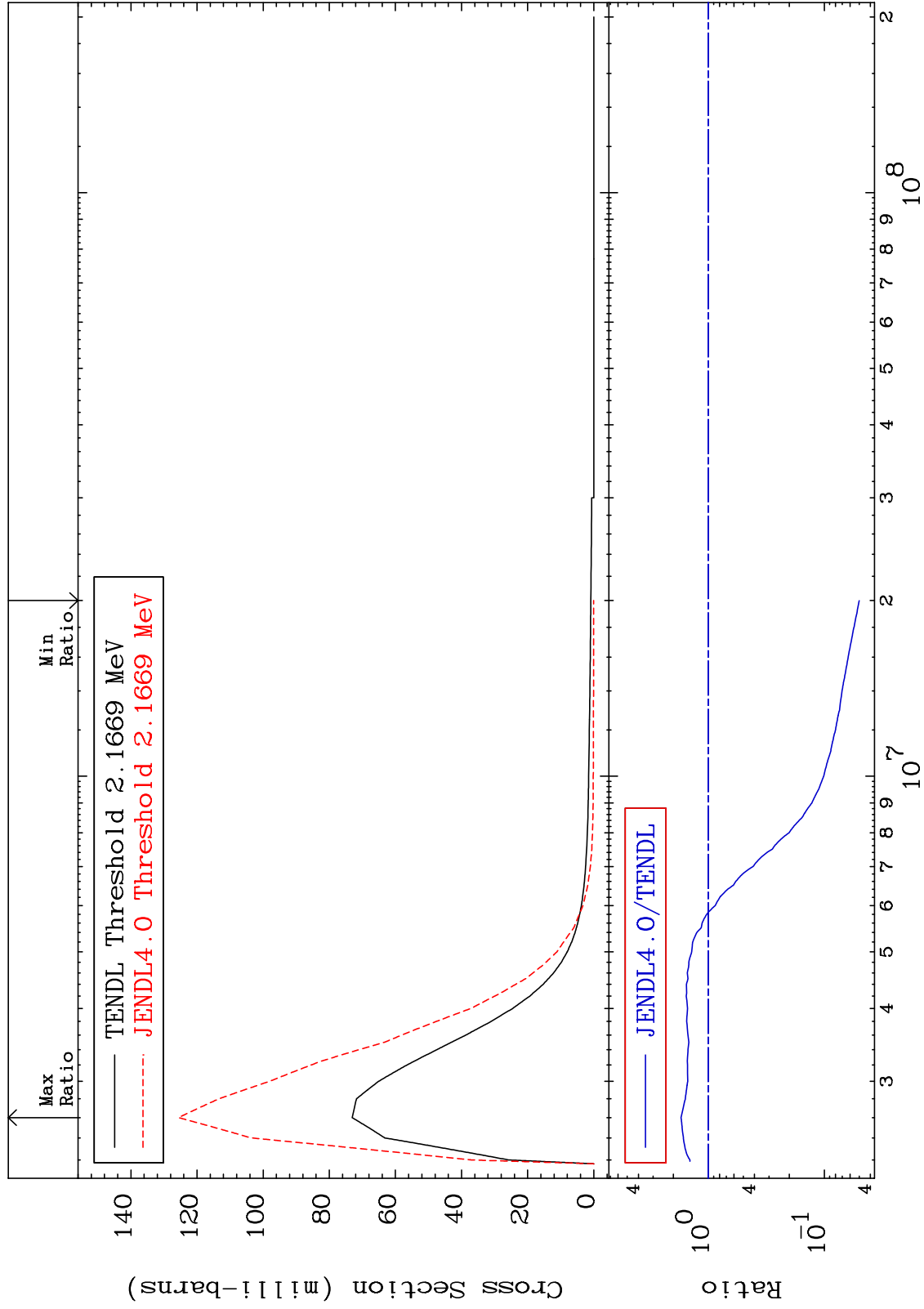
MAT 5443 MT= 62 (n,n') Level Cross Section 54-Xe-130 To 9999. %  
50.01



MAT 5443

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

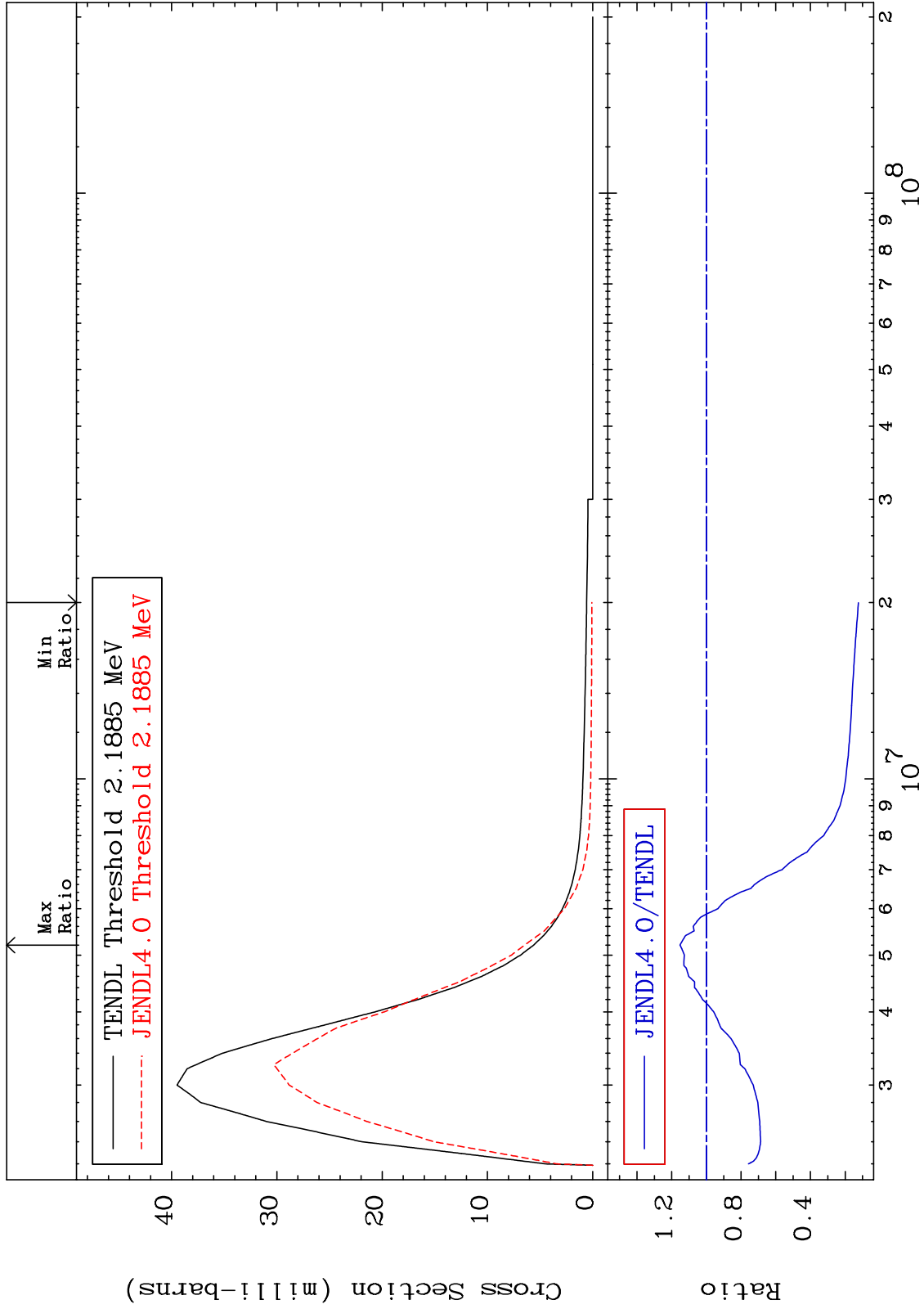
54-Xe-130  
-95.01 To 71.84 %



MAT 5443

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

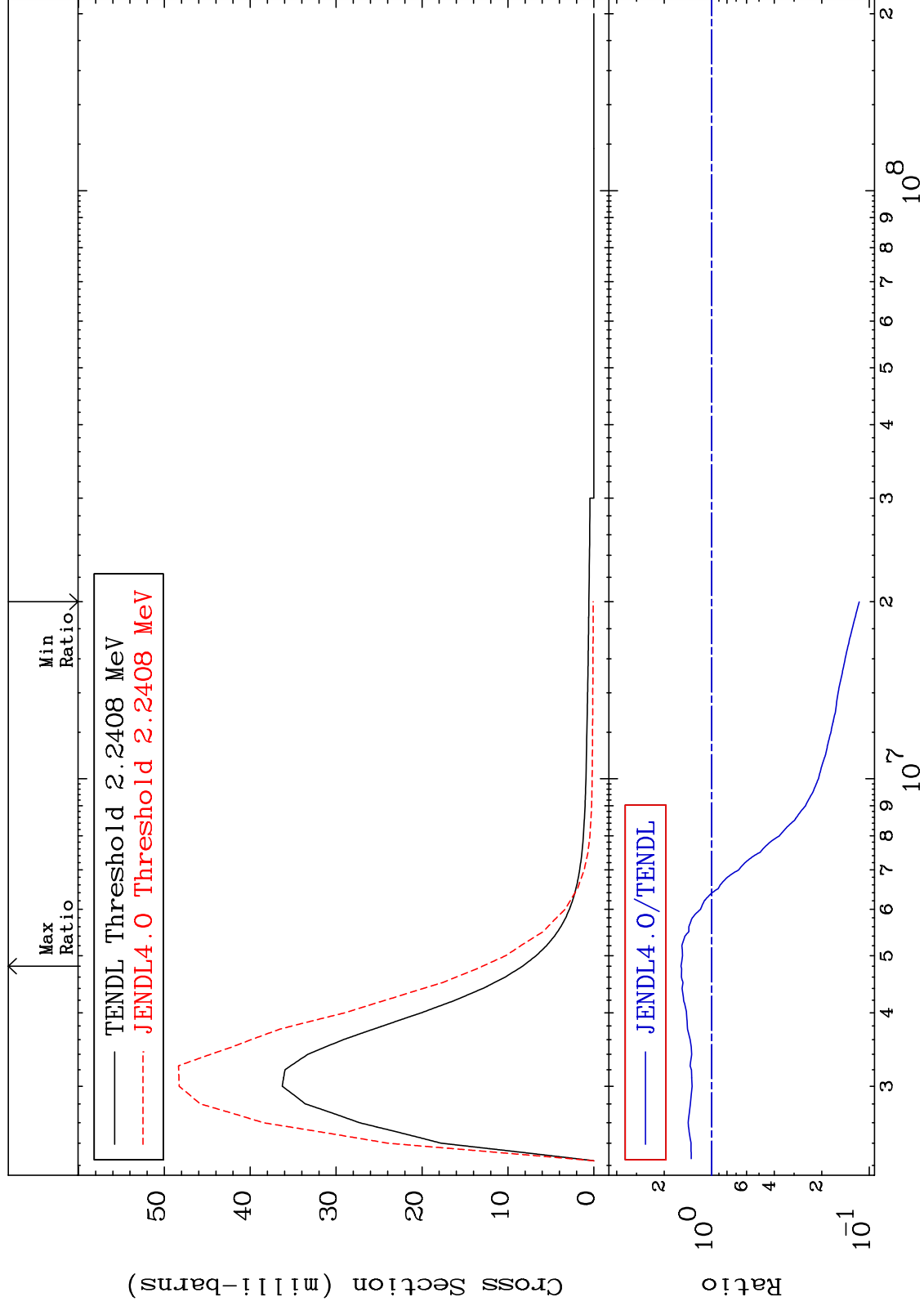
54-Xe-130  
-87.62 To 15.20 %



MAT 5443

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

54-Xe-130  
-88.45 To 56.37 %



Max Ratio  
Min Ratio

TENDL Threshold 2.2408 MeV  
JENDL4.0 Threshold 2.2408 MeV

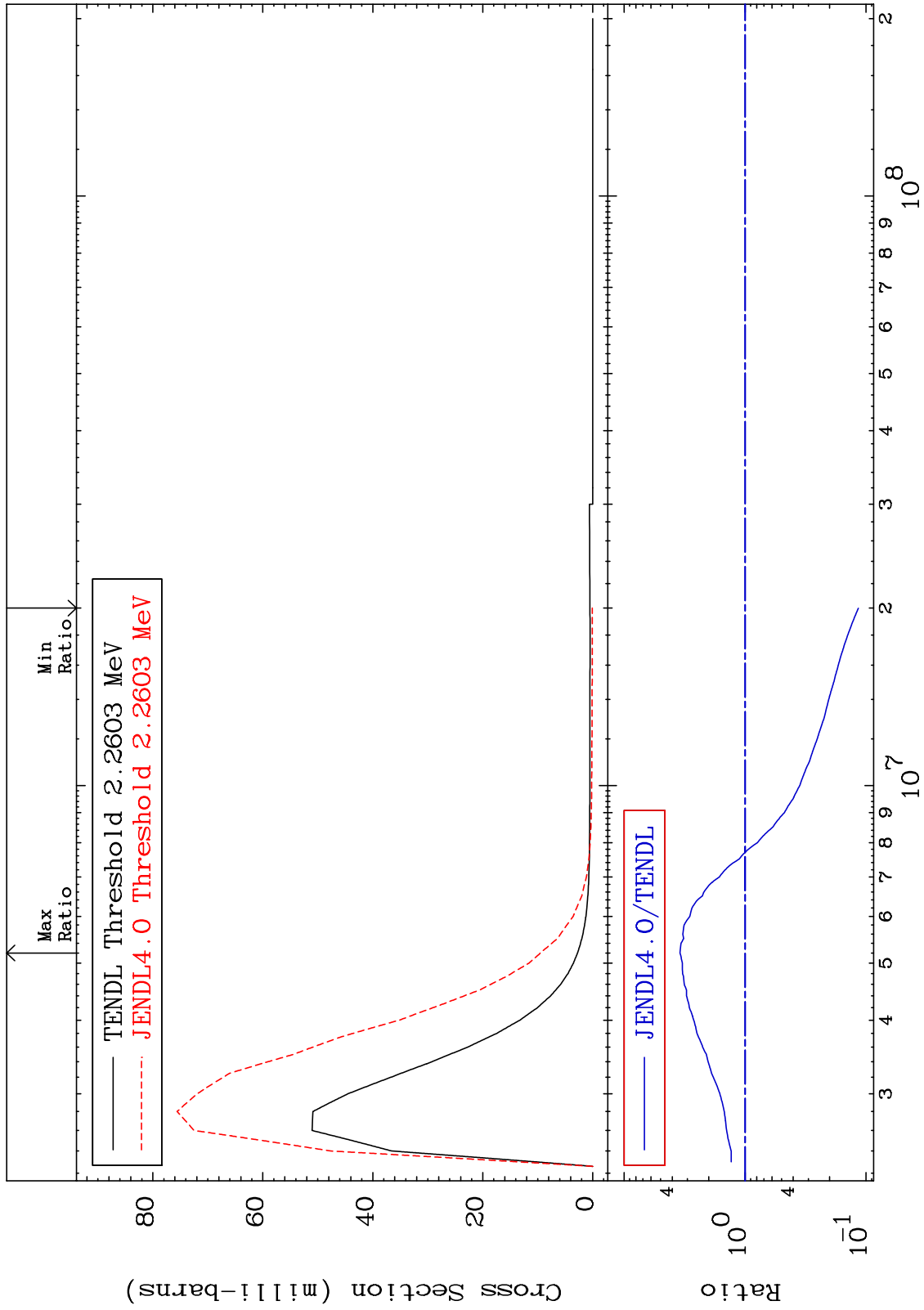
JENDL4.0/TENDL



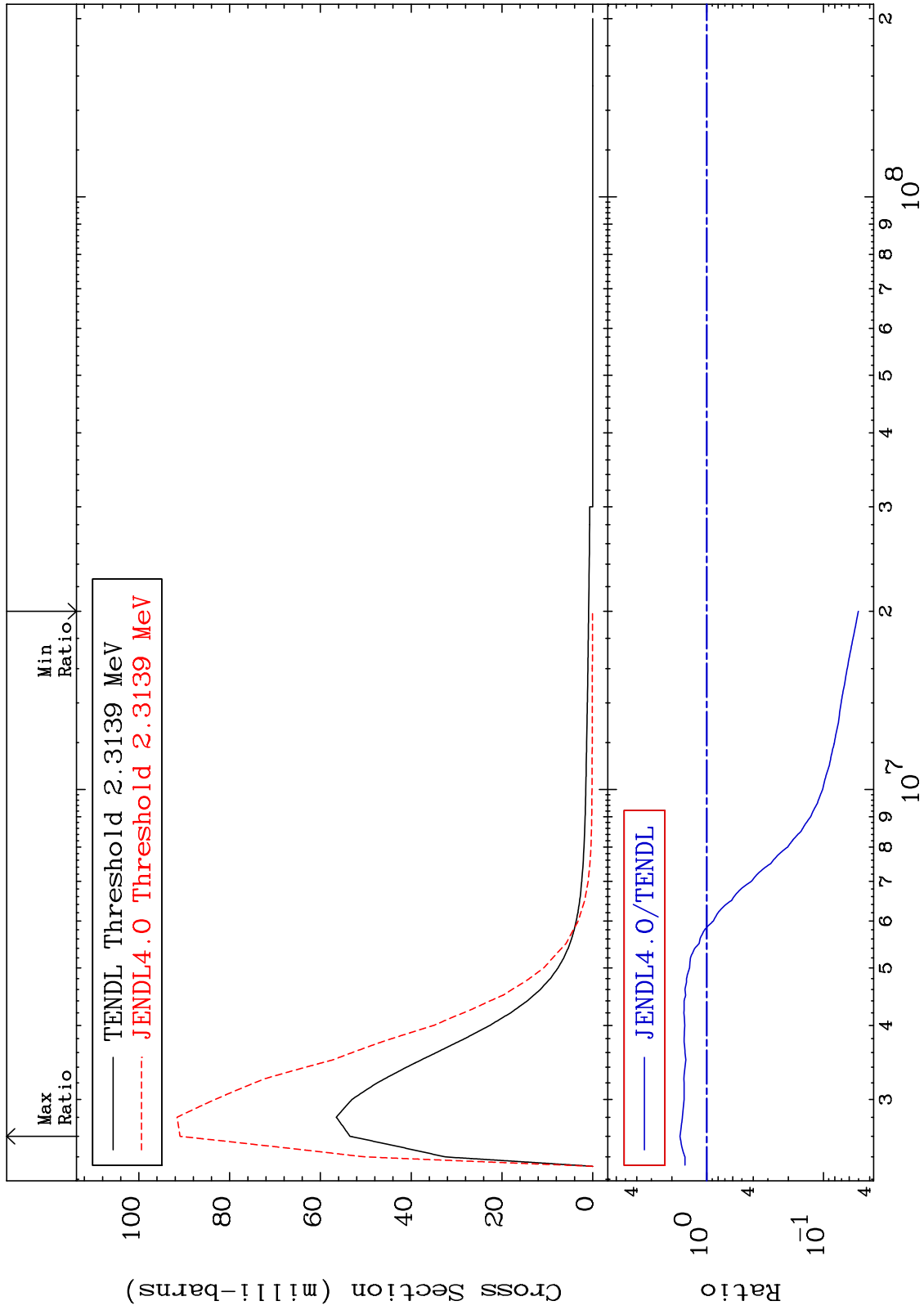
MAT 5443

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

54-Xe-130  
-88.43 To 245.0 %



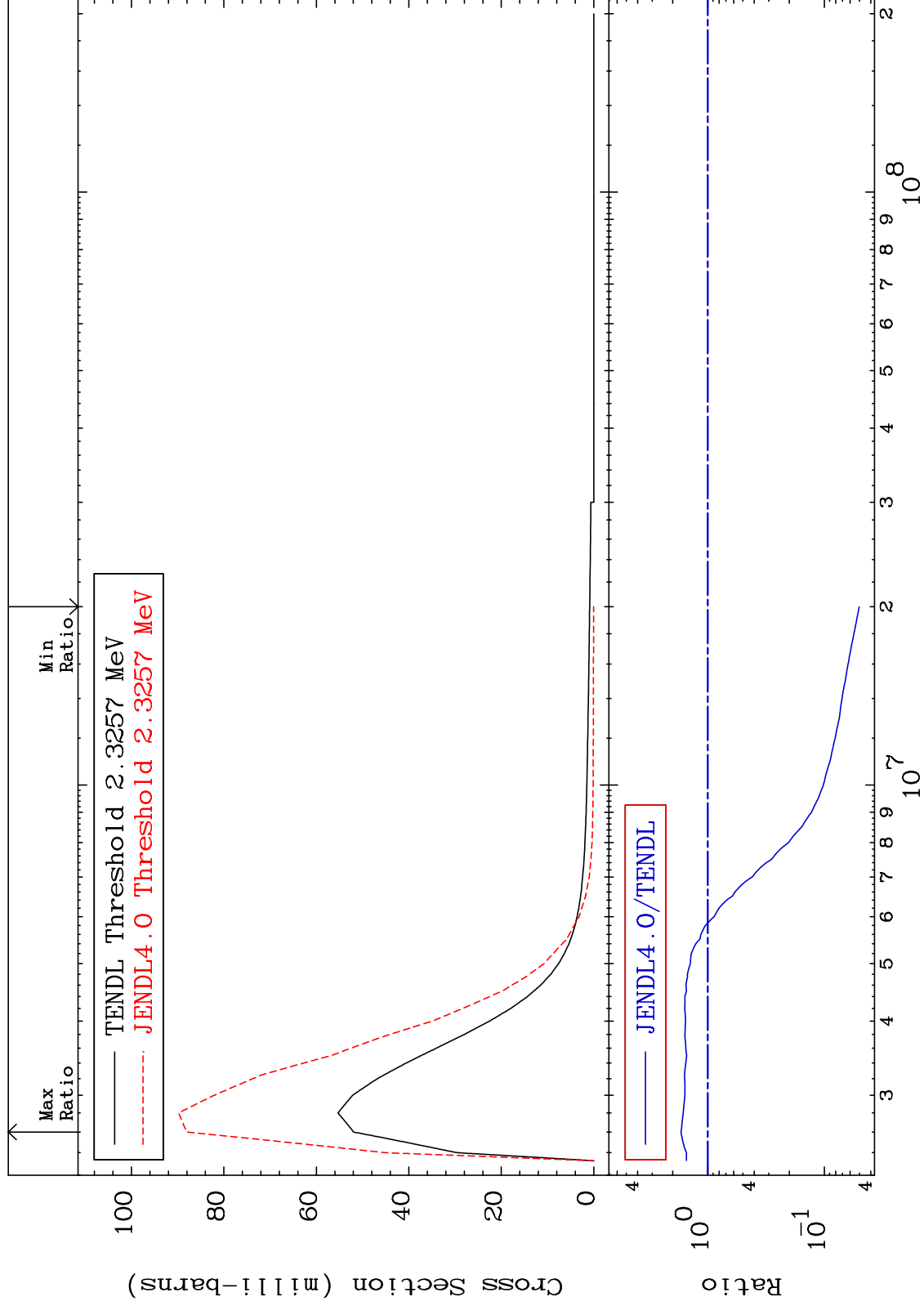
MAT 5443 MT= 67 (n,n') Level  
 Cross Section 54-Xe-130  
 -94.99 To 70.01 %



MAT 5443

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

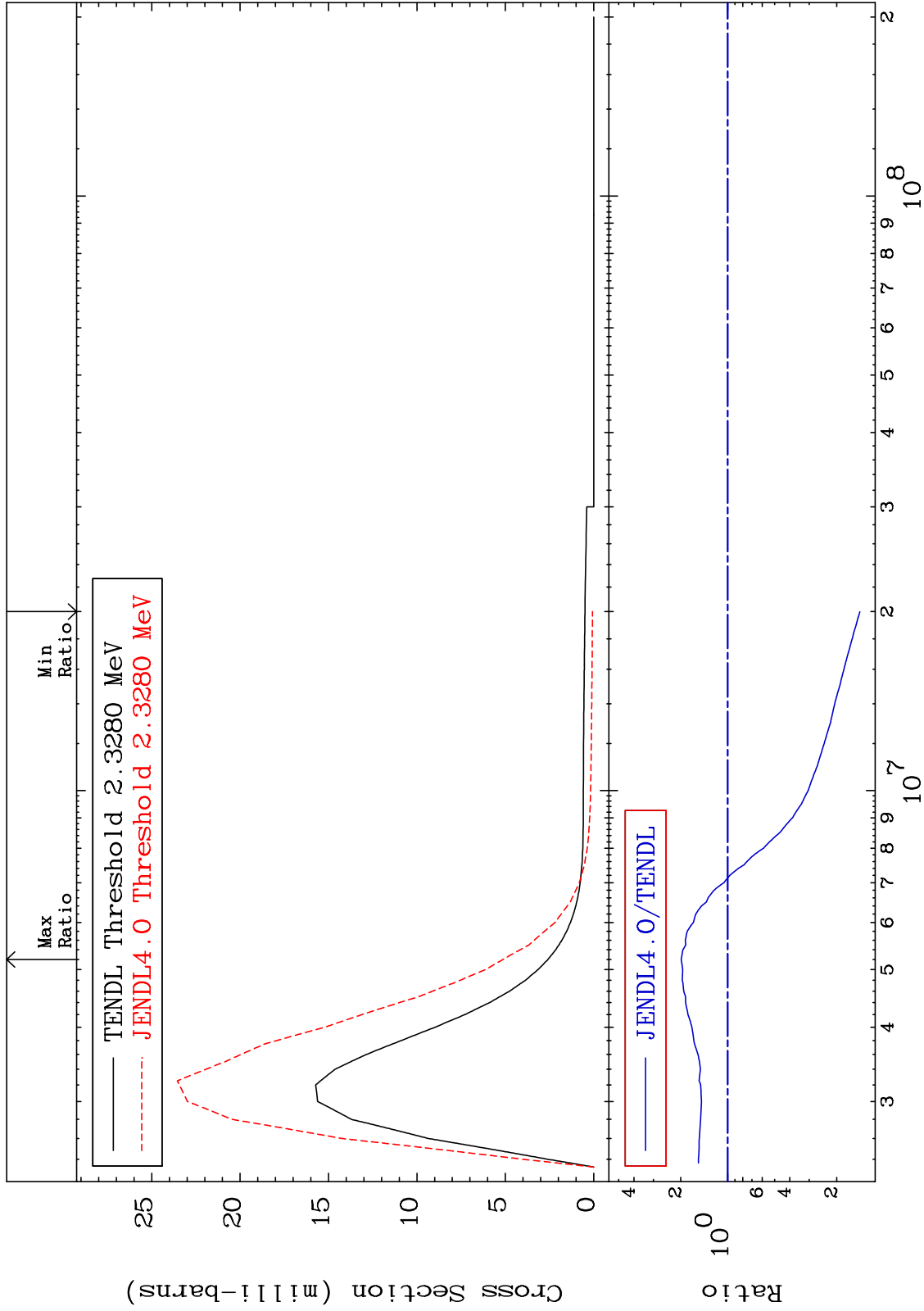
54-Xe-130  
-94.99 To 69.57 %



MAT 5443

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

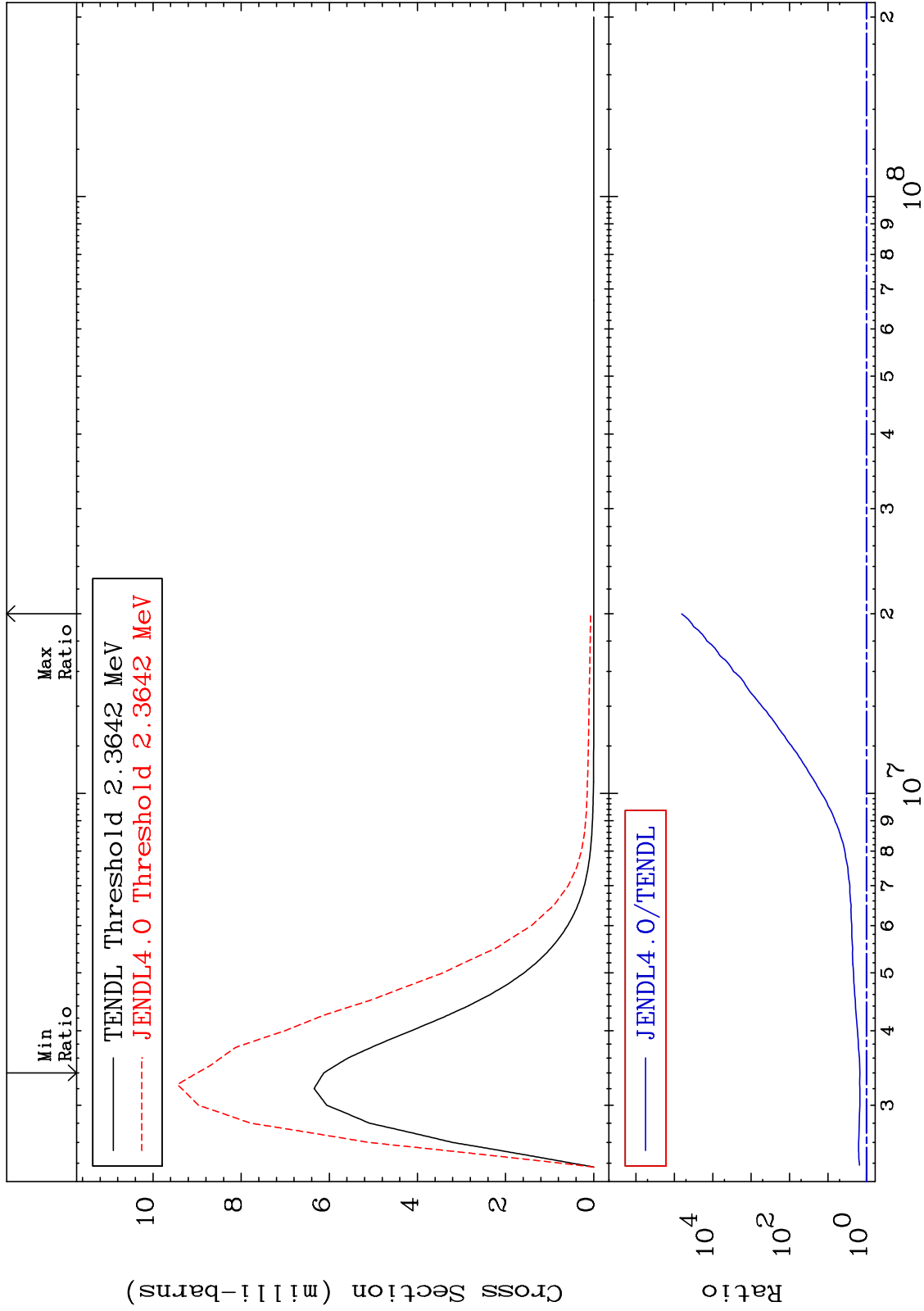
54-Xe-130  
-85.81 To 98.70 %



MAT 5443

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

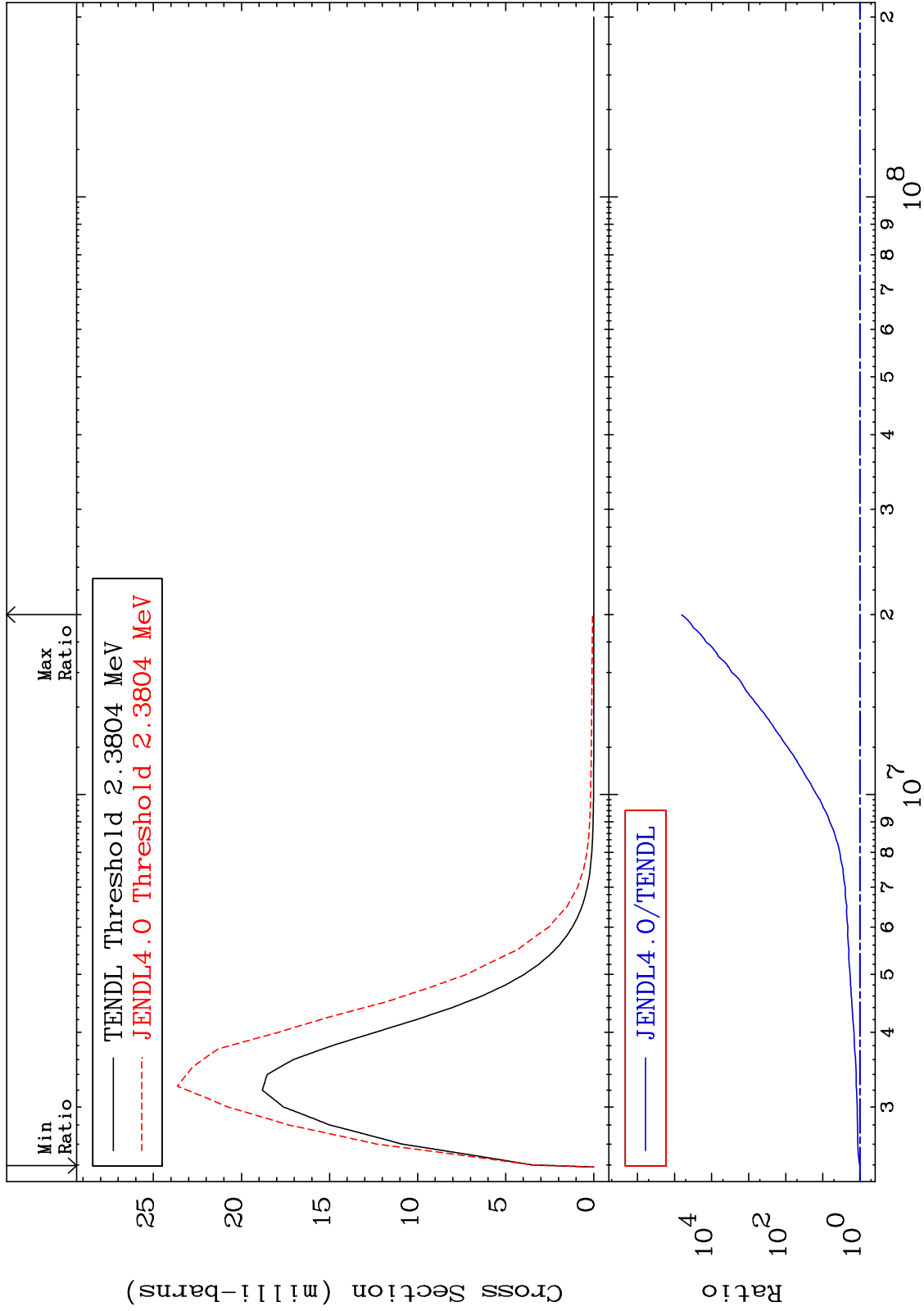
54-Xe-130  
46.87 To 9999. %



MAT 5443

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

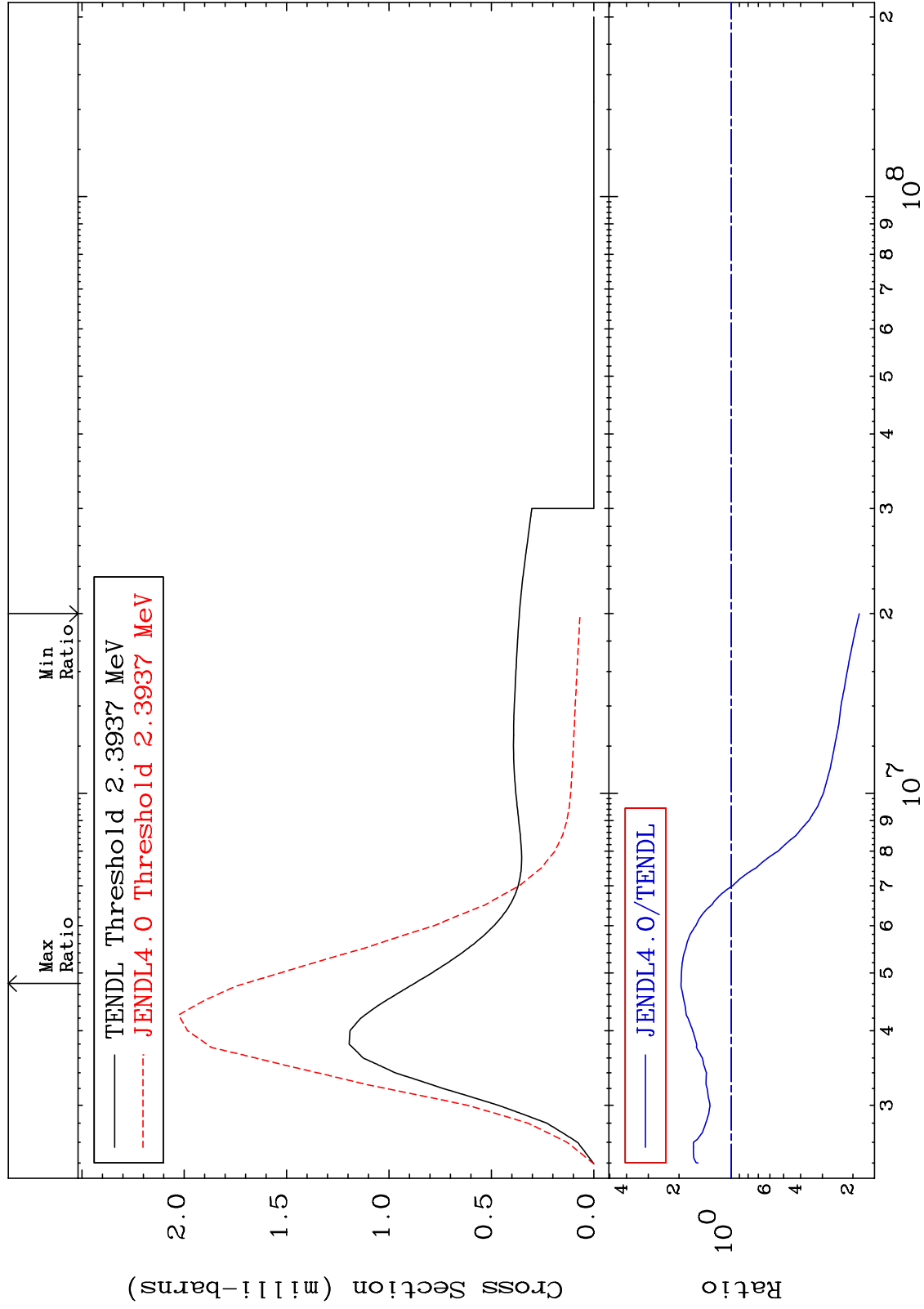
54-Xe-130  
-0.731 To 9999. %



MAT 5443

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

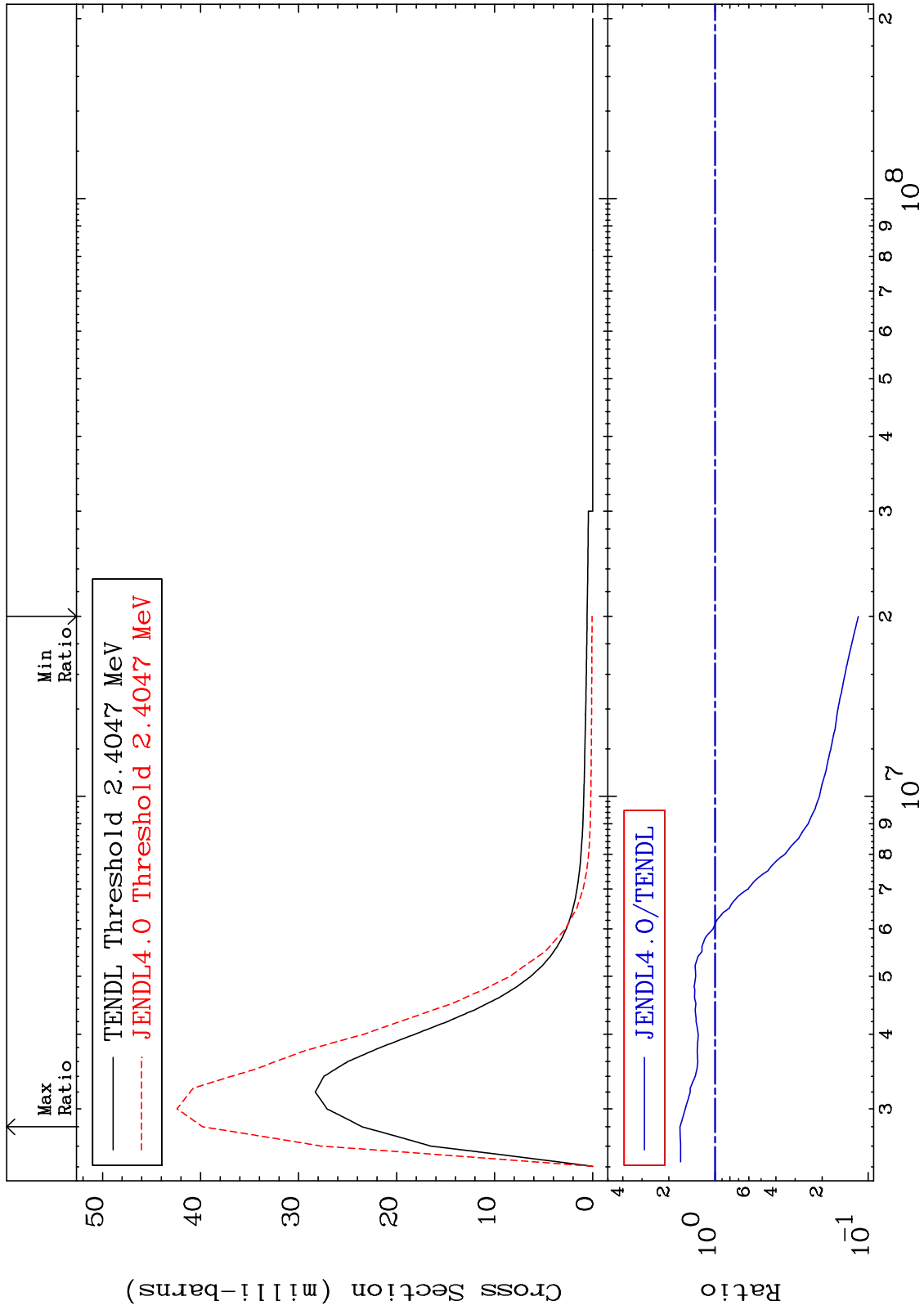
54-Xe-130  
-81.60 To 94.46 %



MAT 5443

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

54-Xe-130  
-88.42 To 69.18 %

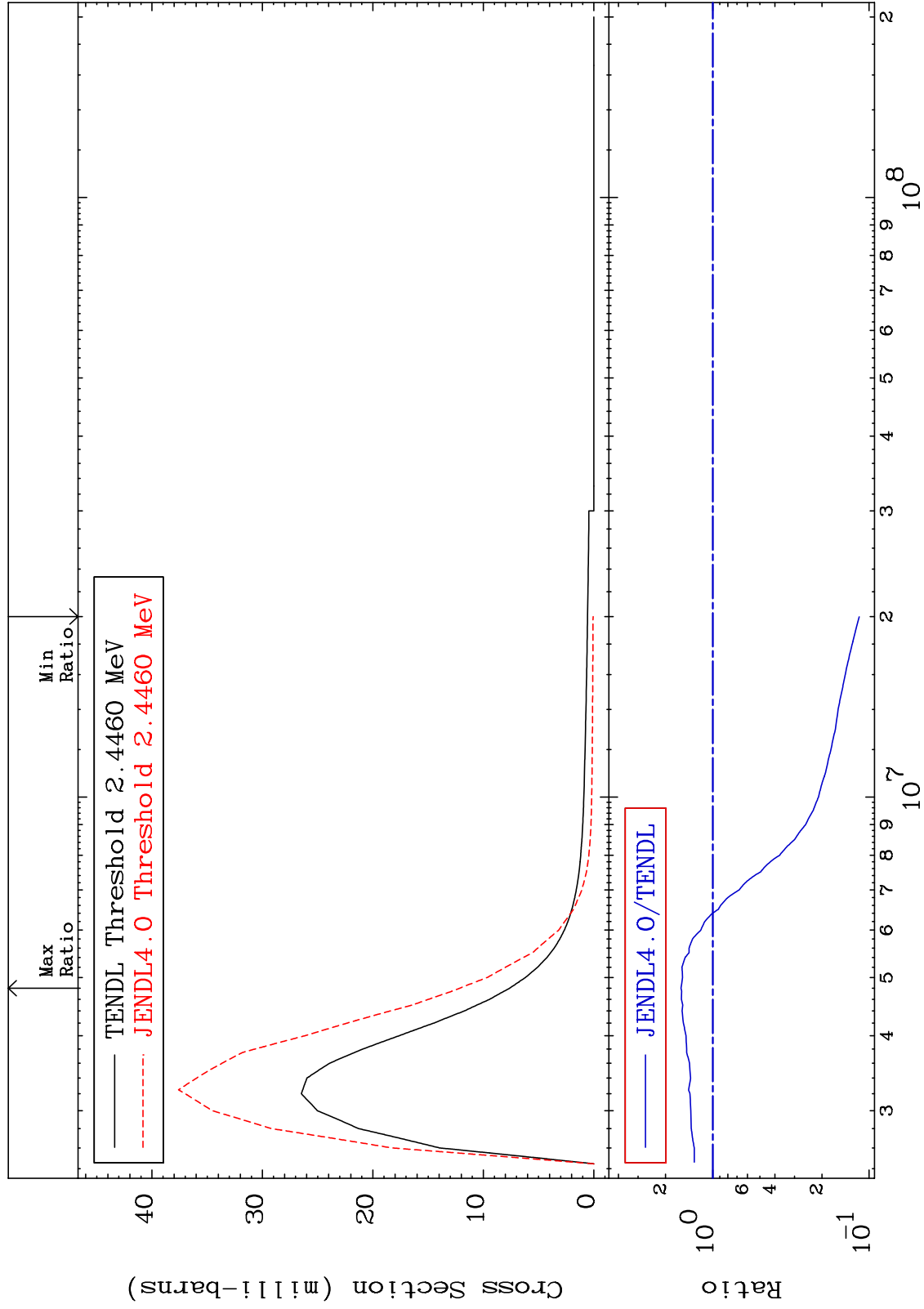




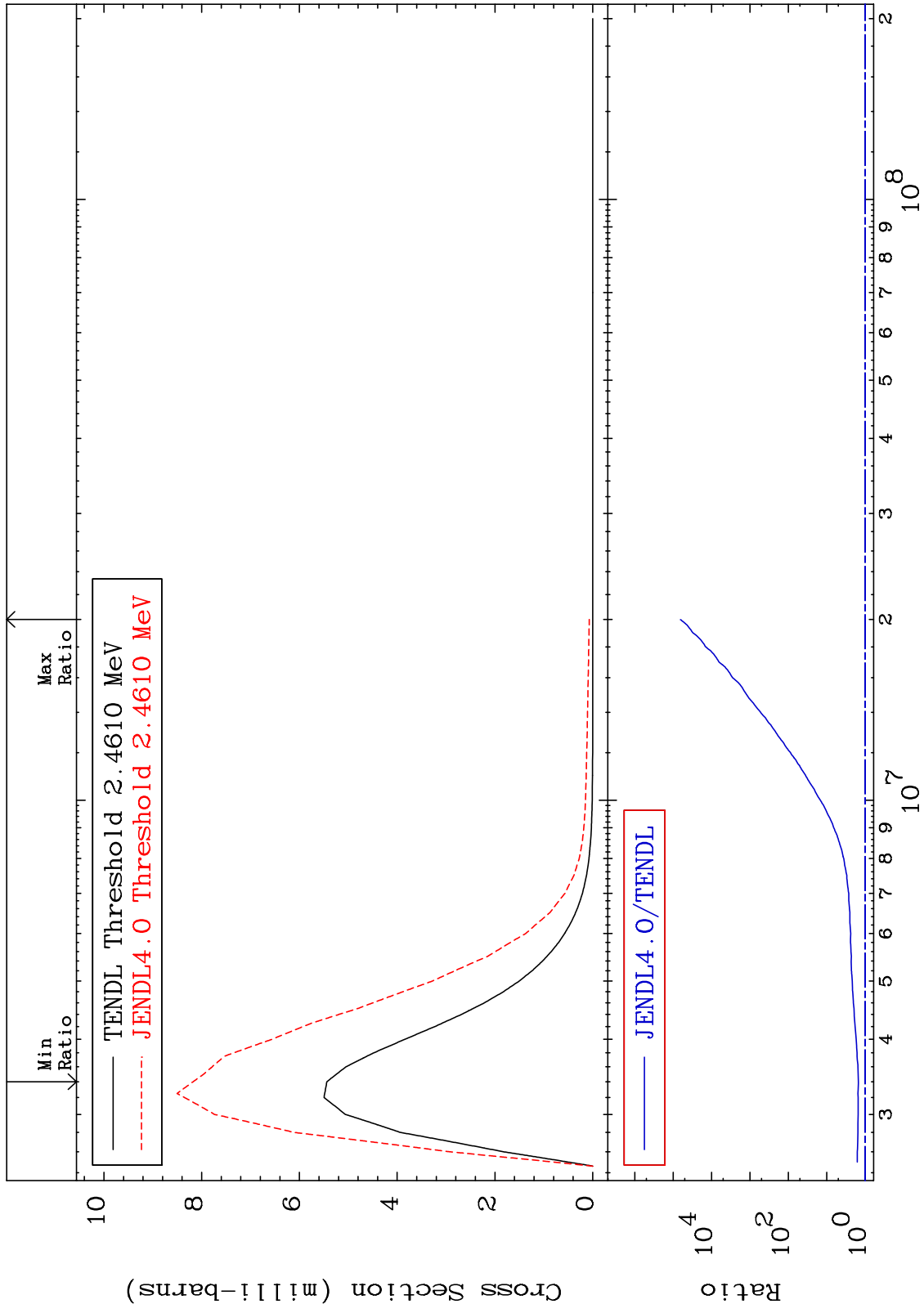
MAT 5443

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

54-Xe-130  
-88.44 To 59.36 %



MAT 5443 MT= 75 (n,n') Level Cross Section 54-Xe-130 To 9999. %  
50.34

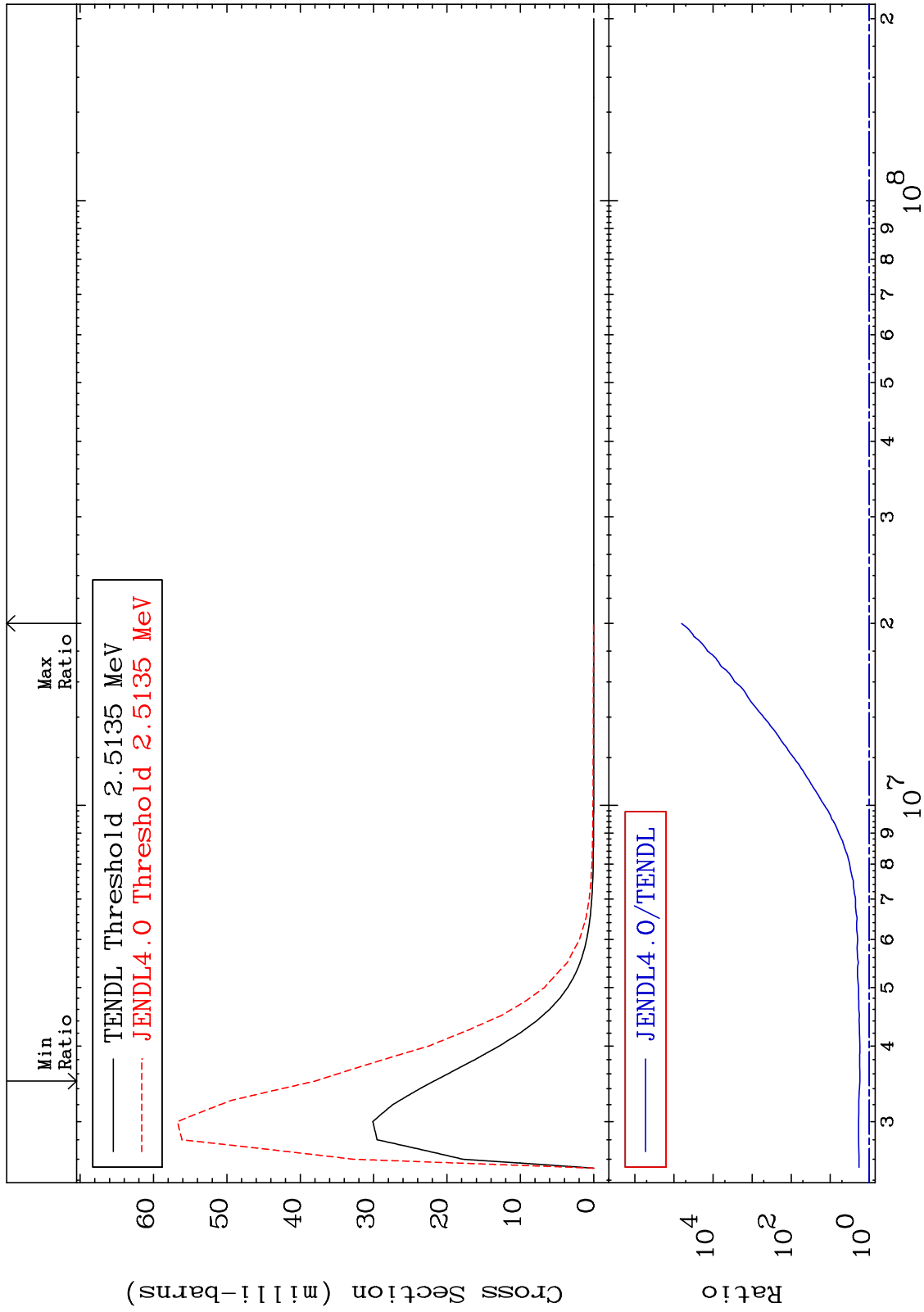


54-Xe-130

MAT 5443

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

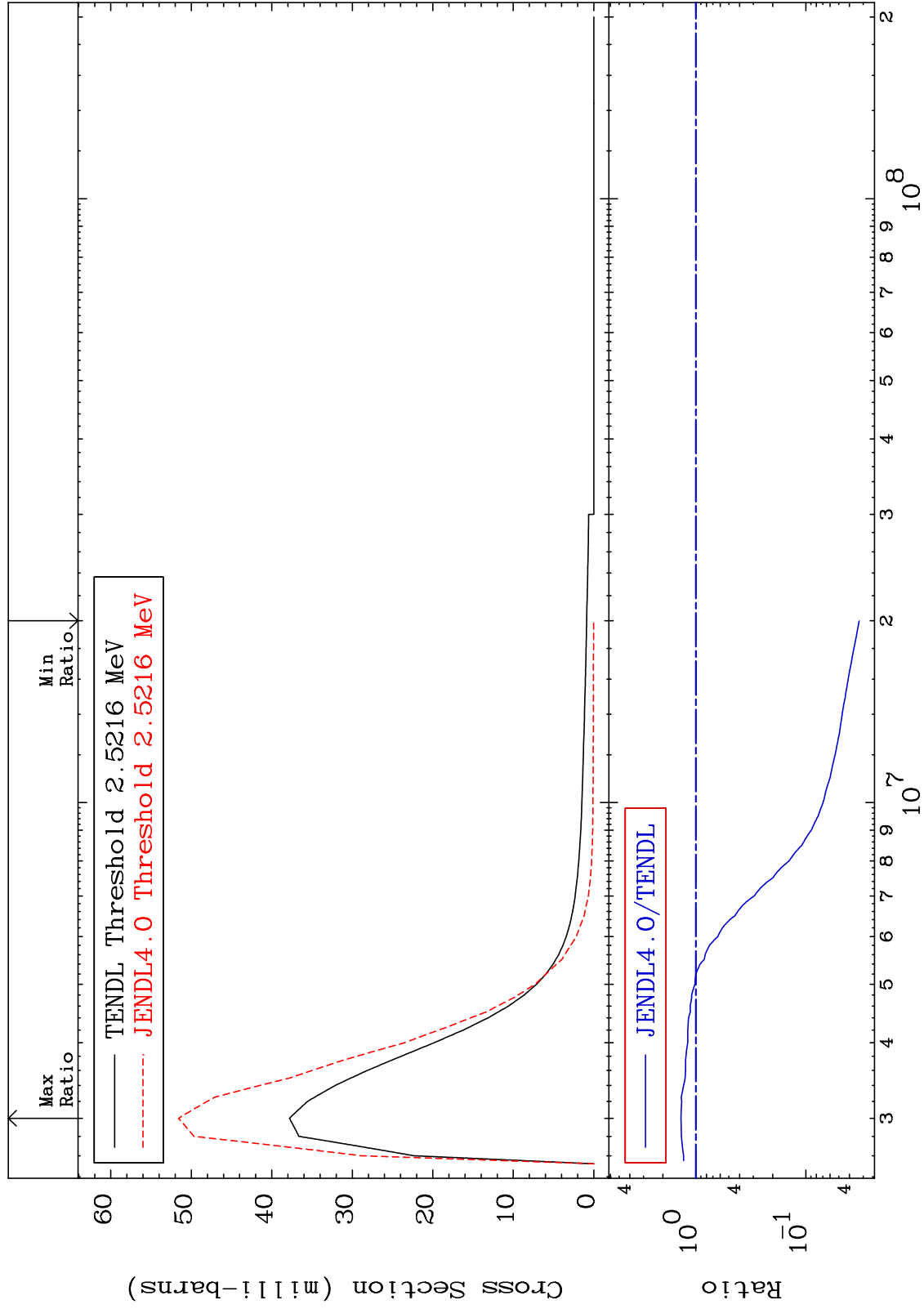
54-Xe-130  
74.39 To 9999. %



MAT 5443

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

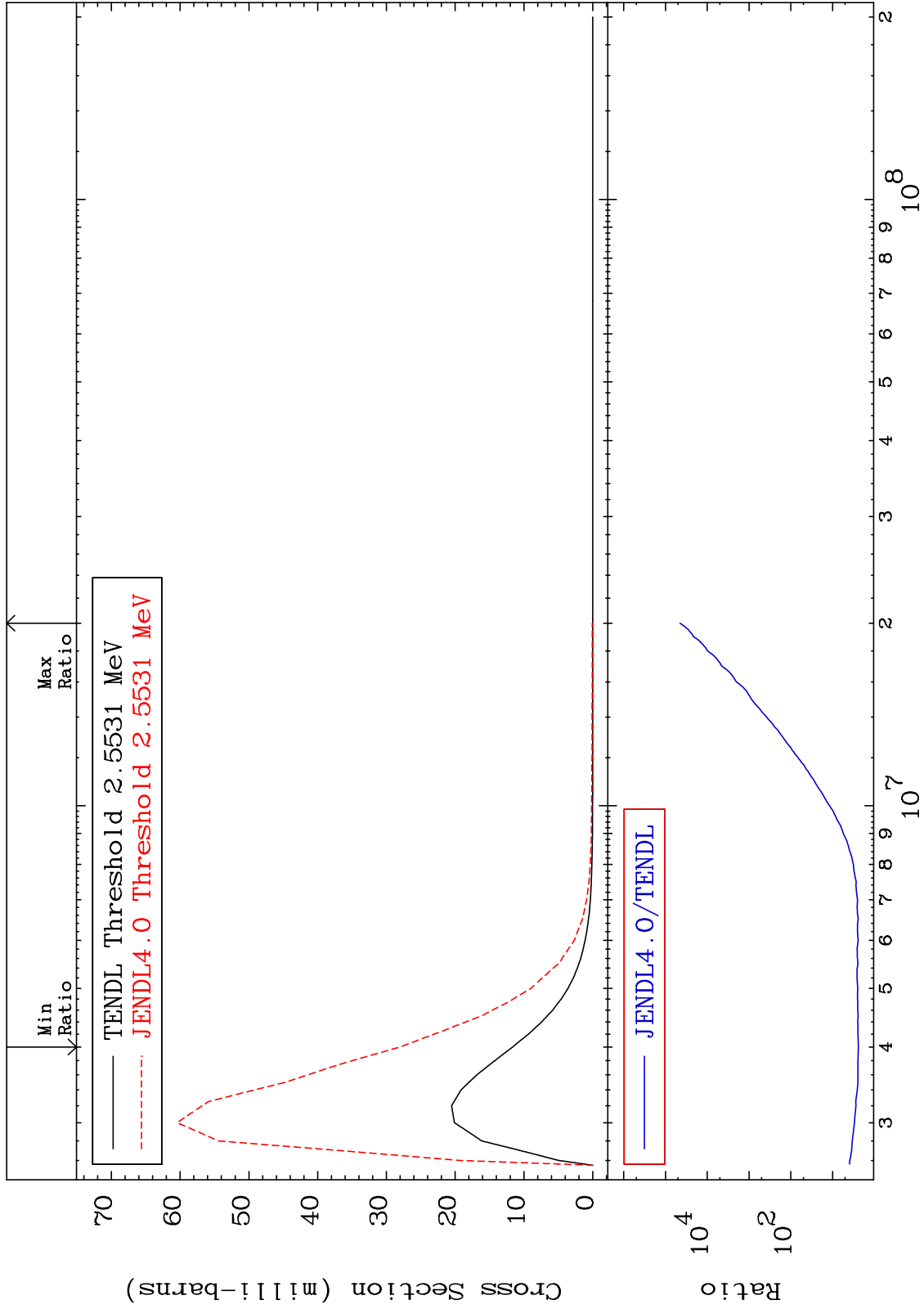
54-Xe-130  
-96.74 To 36.45 %



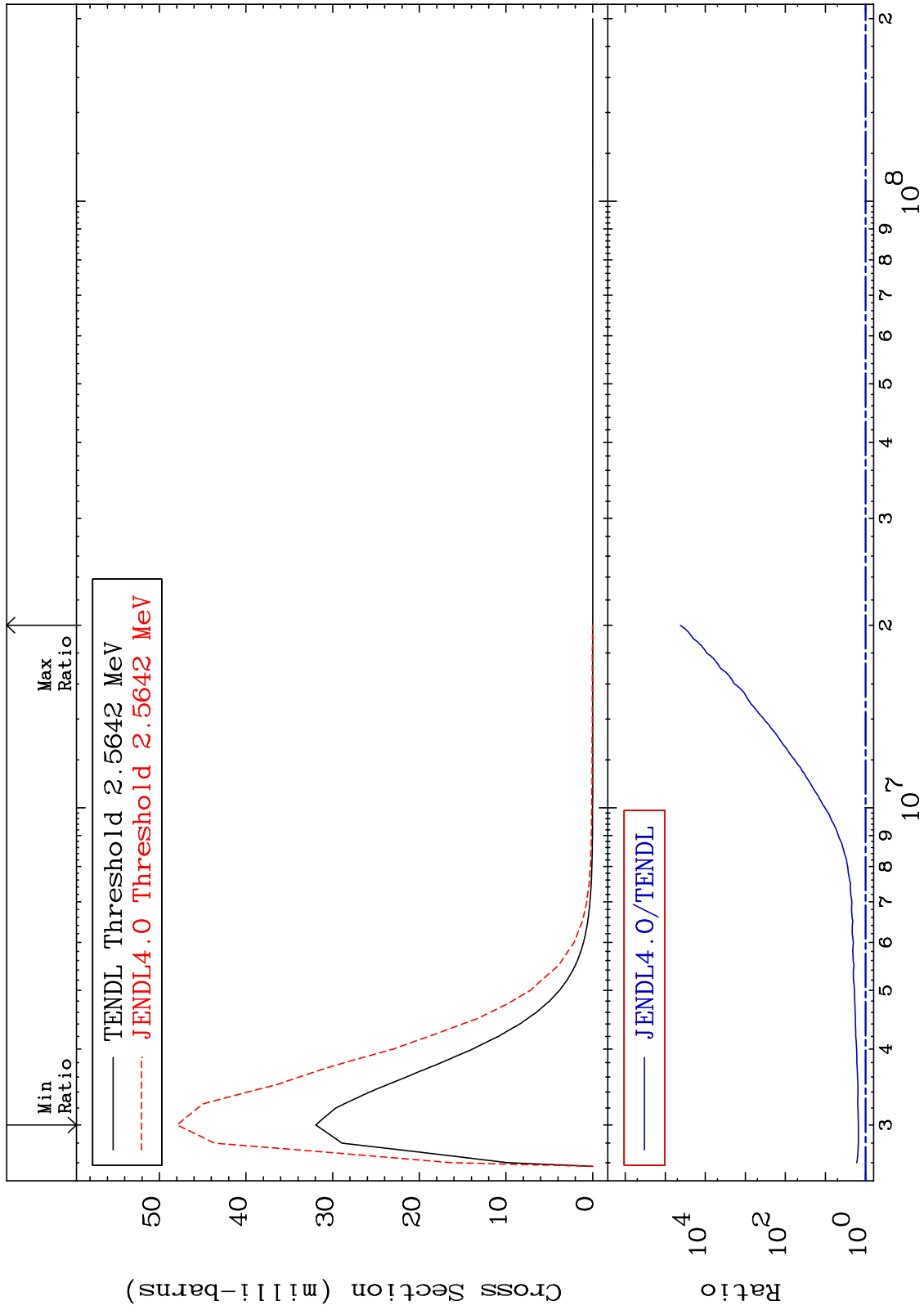
MAT 5443

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

54-Xe-130  
140.5 To 9999. %



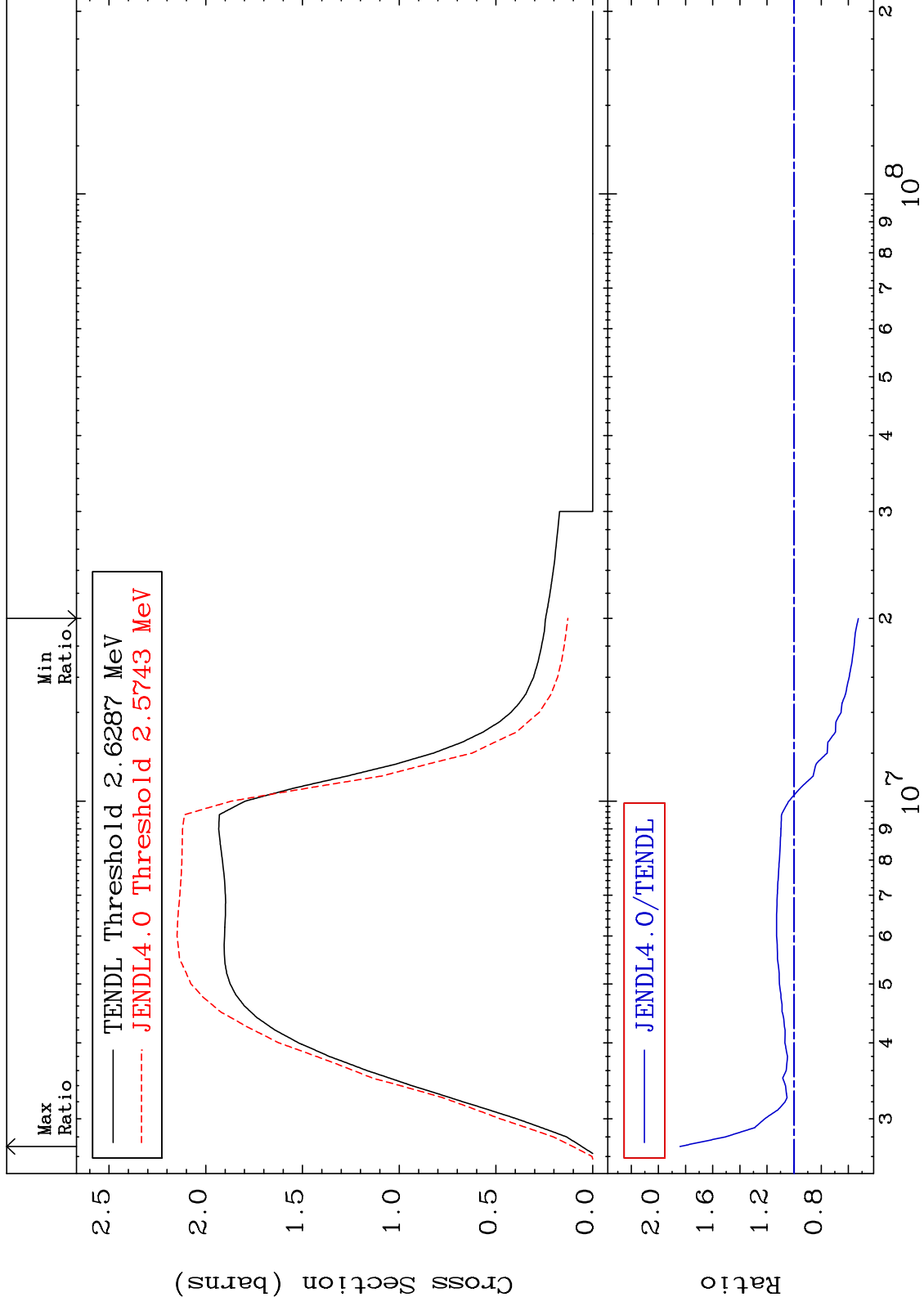
MAT 5443 MT= 79 (n,n') Level Cross Section 54-Xe-130 To 9999. %  
 50.07



MAT 5443

(n, n') Continuum  
Cross Section

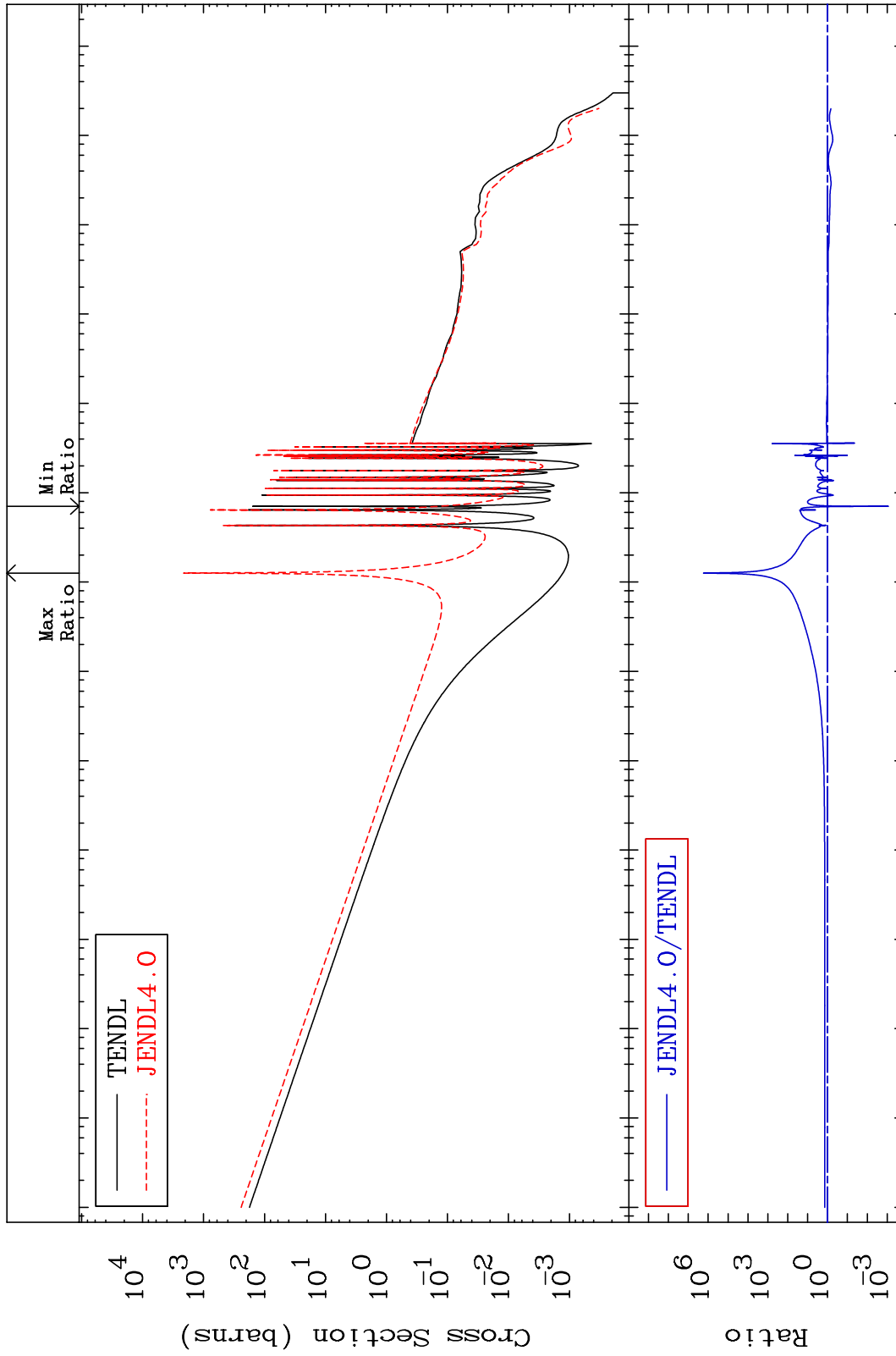
54-Xe-130  
-47.37 To 84.10 %



MAT 5443

(n,  $\gamma$ )  
Cross Section

54-Xe-130  
-99.91 To 9999. %





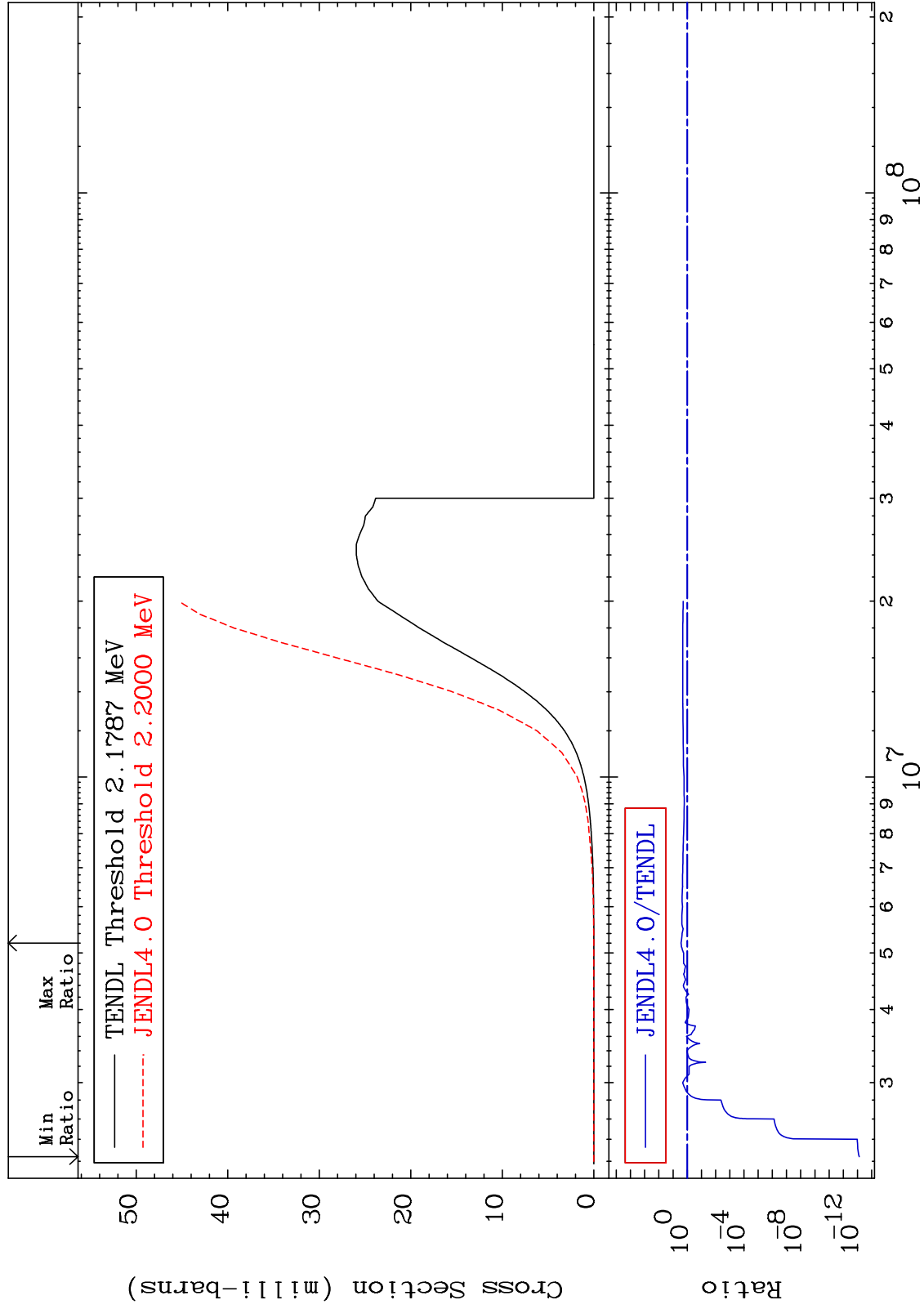
MAT 5443

(n,p)

54-Xe-130

Cross Section

-100.0 To 172.1 %



40

Incident Energy (eV)

54-Xe-130

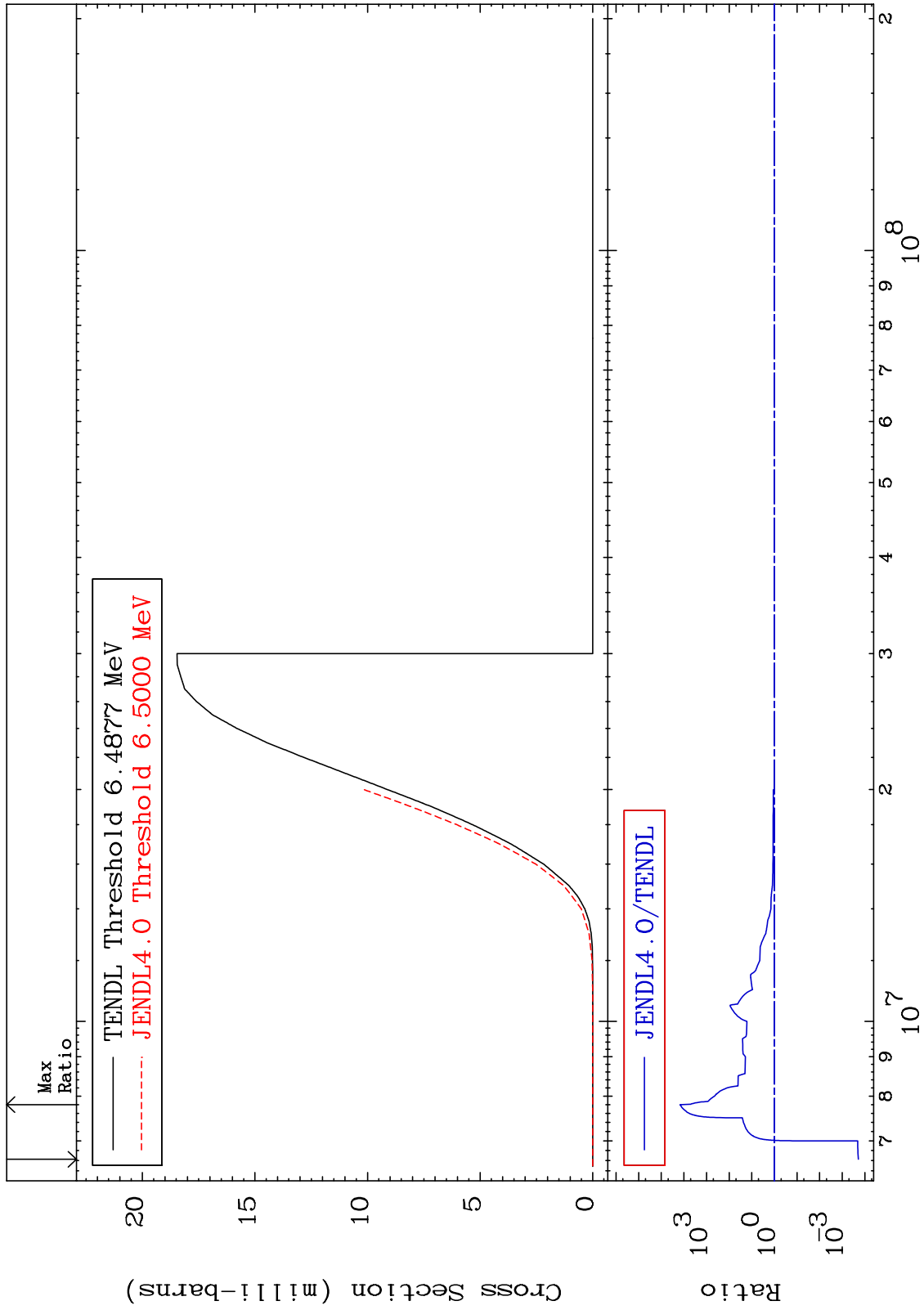
MAT 5443

(n, d)

54-Xe-130

Cross Section

-99.98 To 9999. %



41

Incident Energy (eV)

54-Xe-130

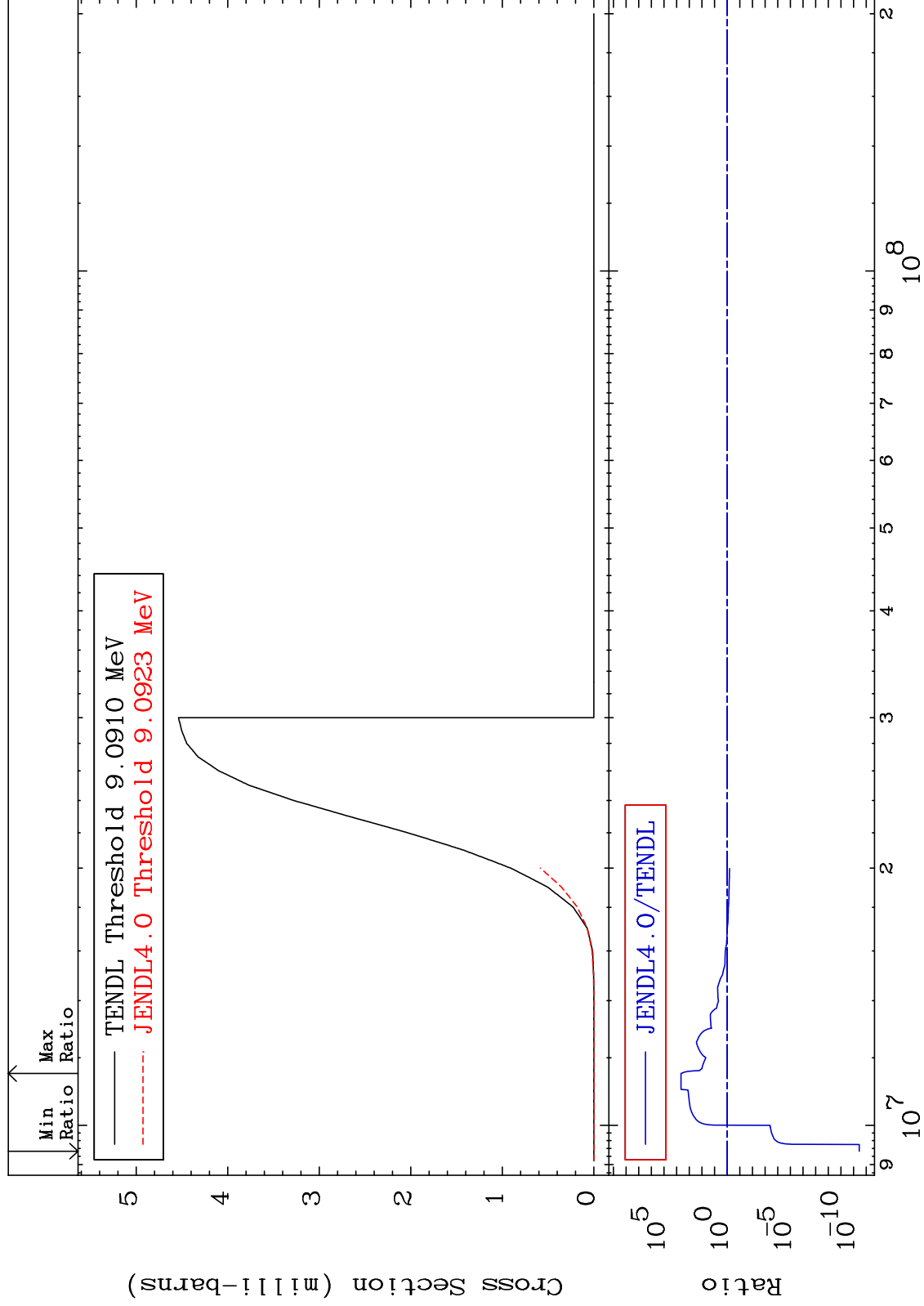
MAT 5443

(n, t)

54-Xe-130

Cross Section

-100.0 To 9999. %



42

Incident Energy (eV)

54-Xe-130

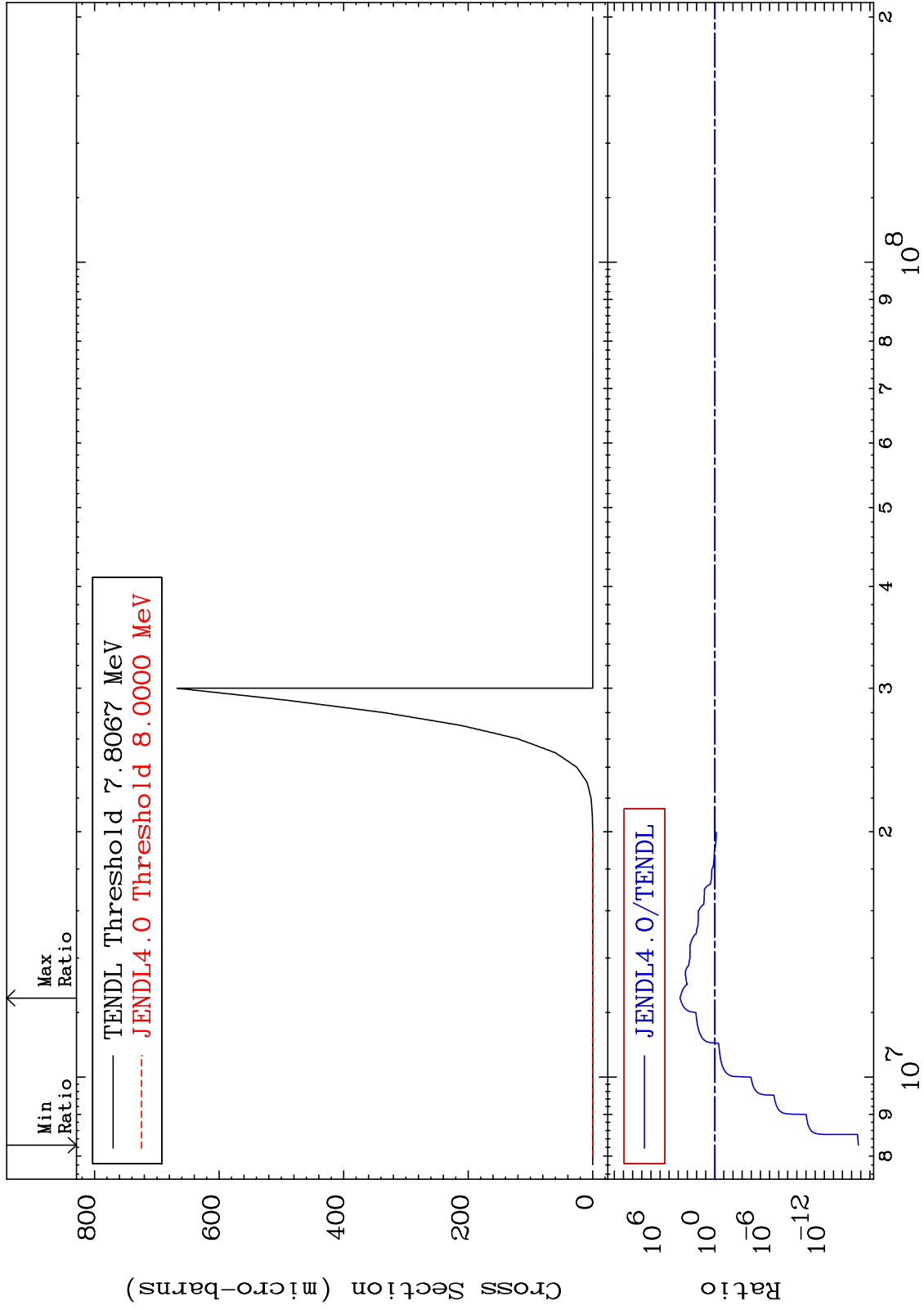
MAT 5443

(n, He-3)

54-Xe-130

Cross Section

-100.0 To 9999. %



Incident Energy (eV)

54-Xe-130

43

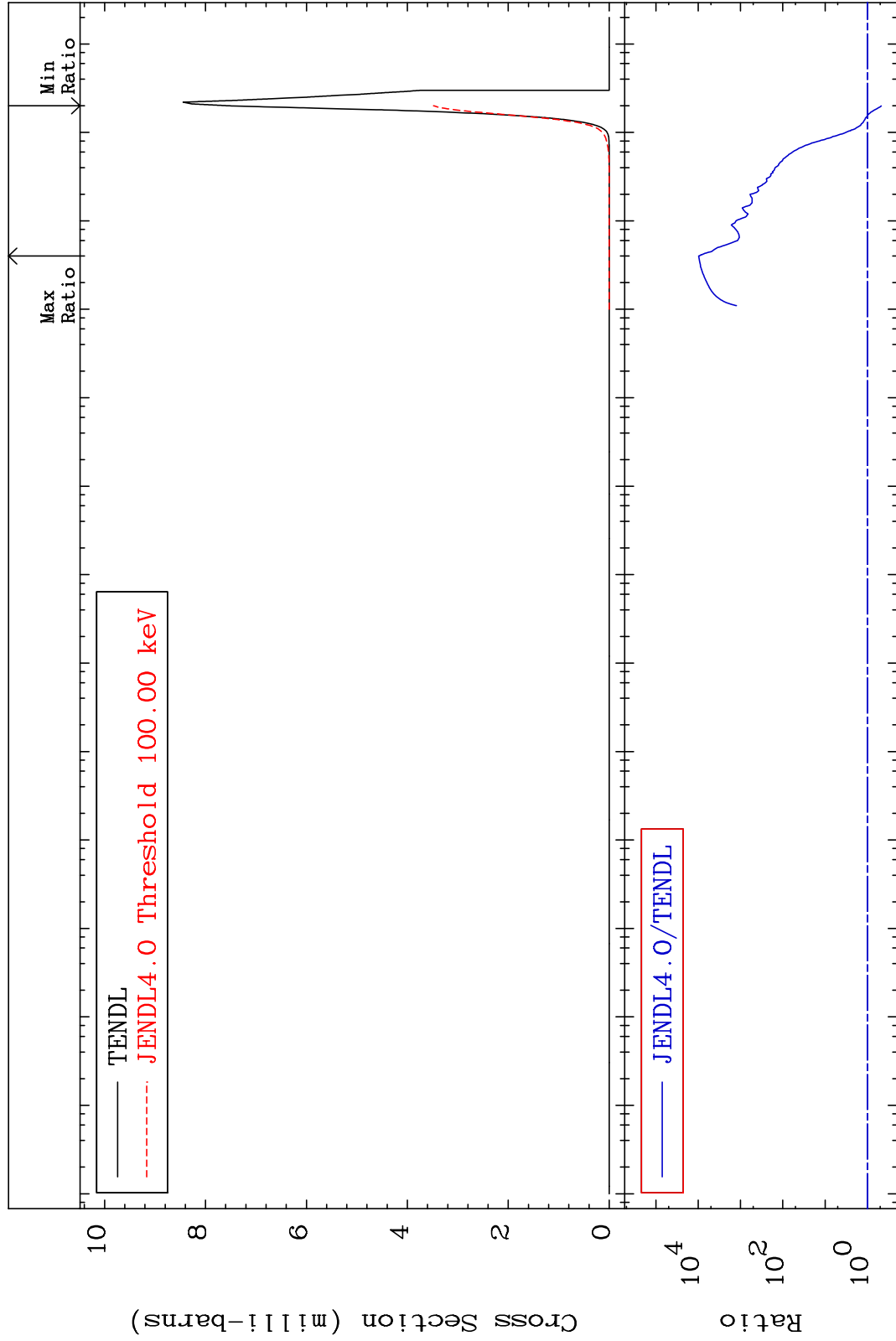
MAT 5443

(n,  $\alpha$ )

54-Xe-130

Cross Section

-53.84 To 9999. %



44

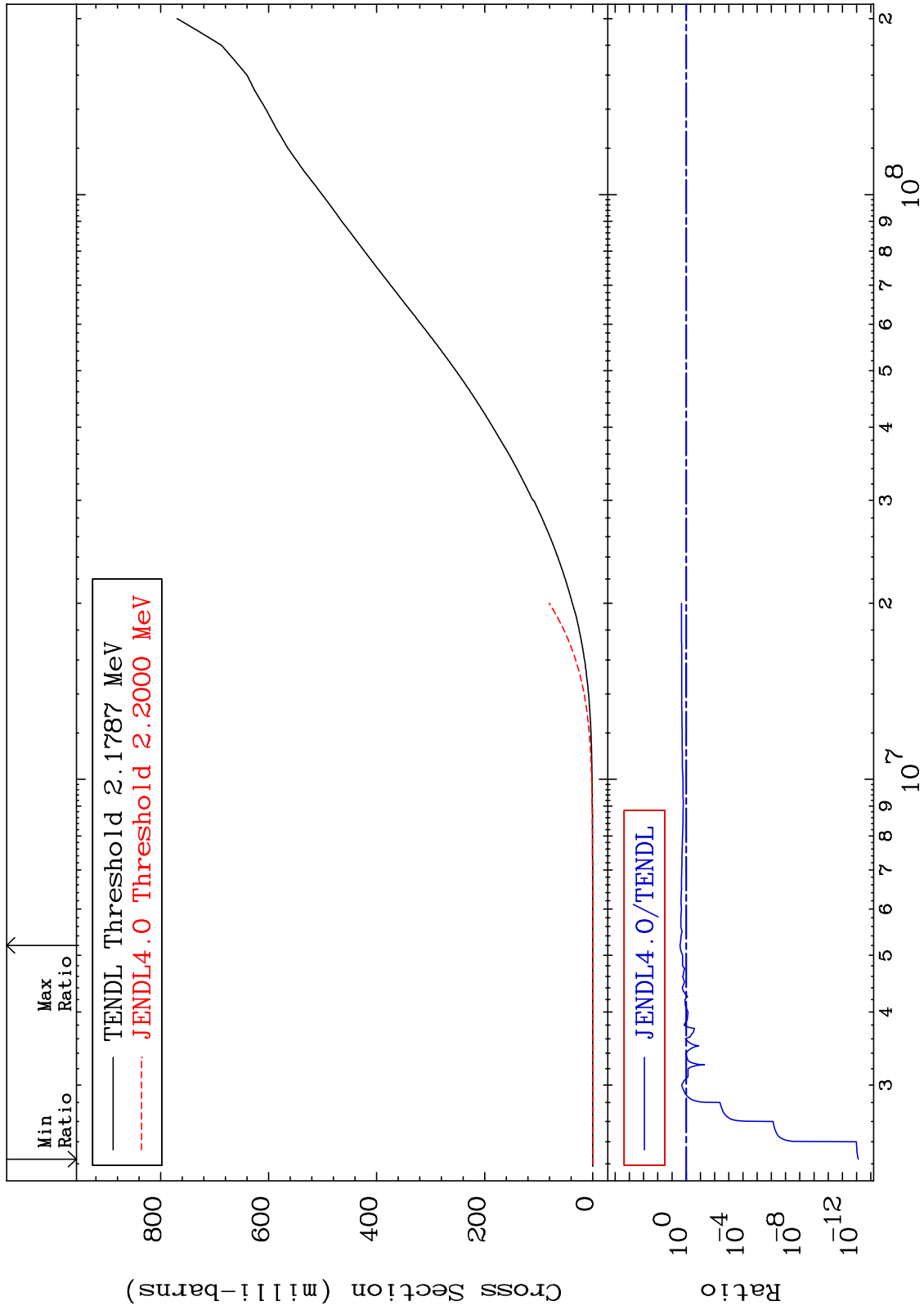
Incident Energy (eV)

54-Xe-130

MAT 5443

### Hydrogen Production Cross Section

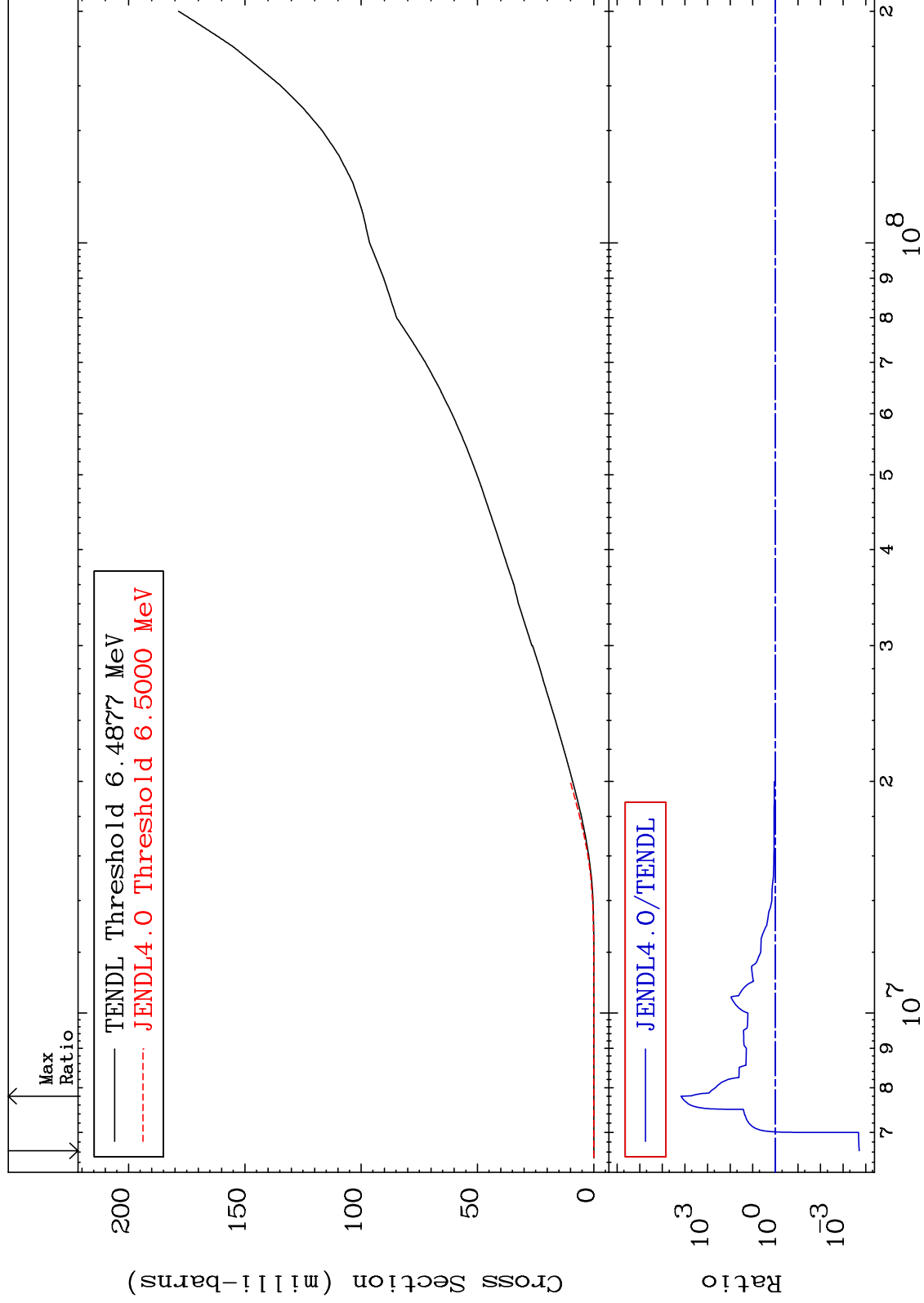
54-Xe-130  
-100.0 To 172.1 %



MAT 5443

Deuterium Production  
Cross Section

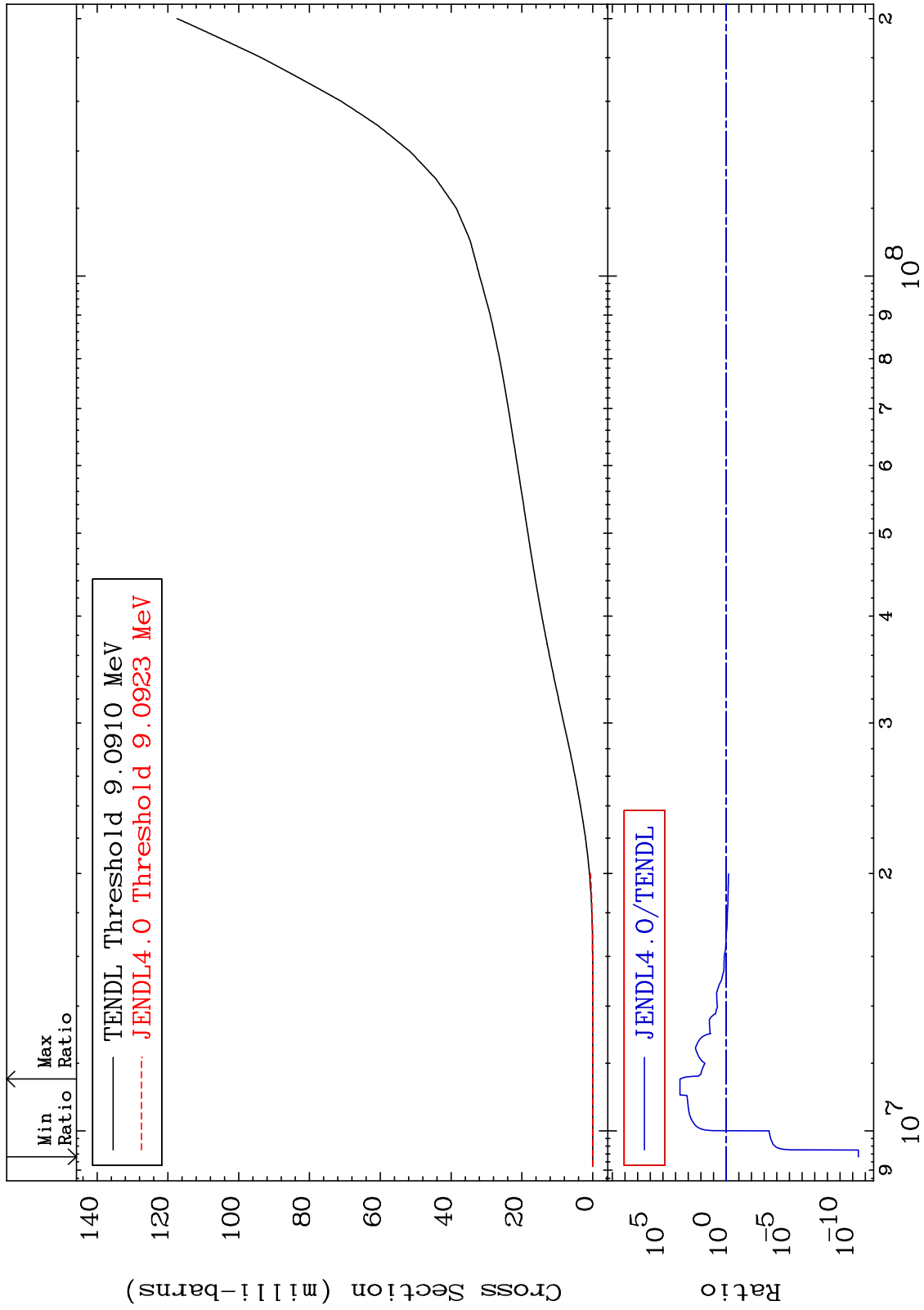
54-Xe-130  
-99.98 To 9999. %



MAT 5443

Tritium Production  
Cross Section

54-Xe-130  
-100.0 To 9999. %



47

Incident Energy (eV)

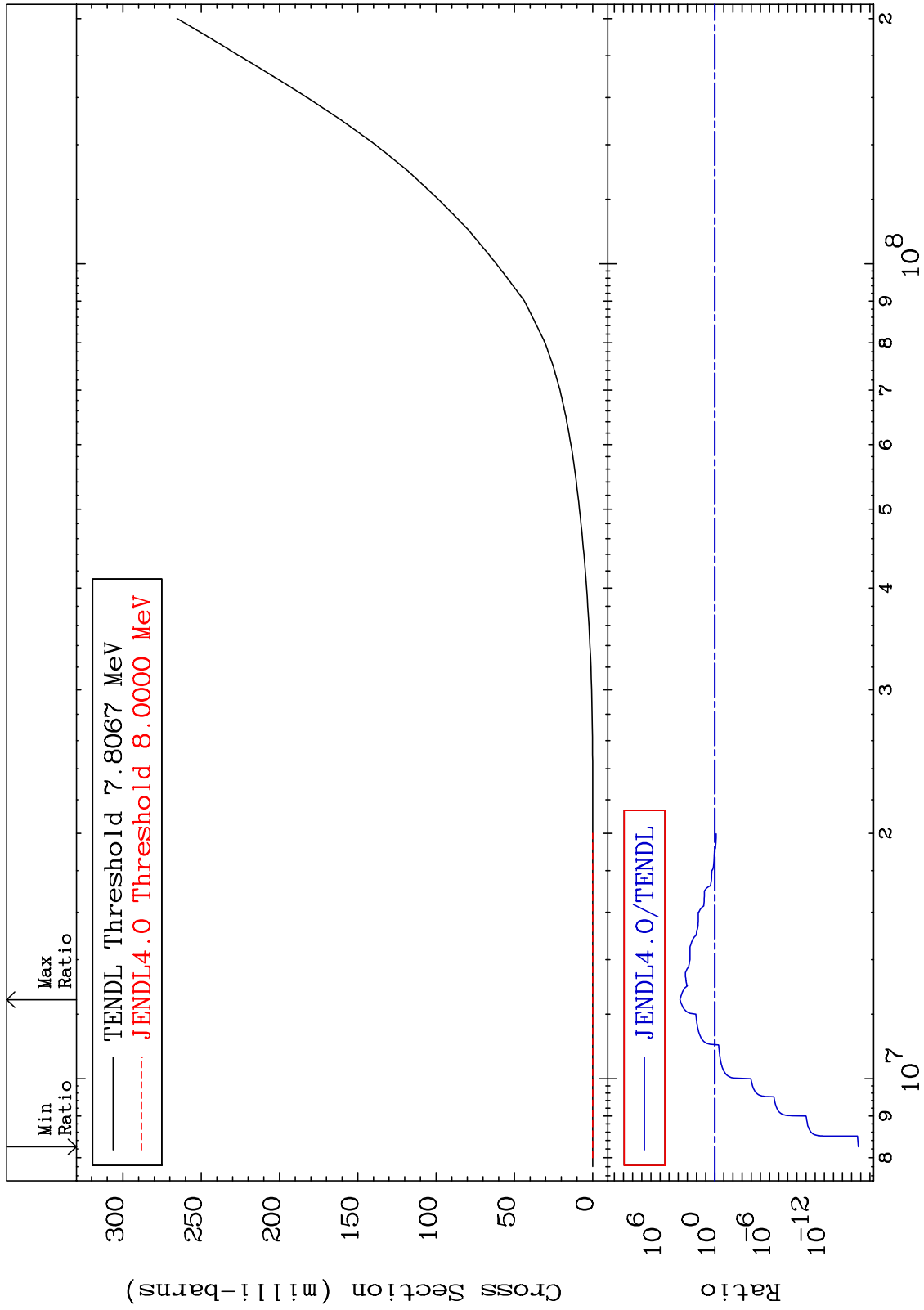
54-Xe-130



MAT 5443

He-3 Production  
Cross Section

54-Xe-130  
-100.0 To 9999. %



48

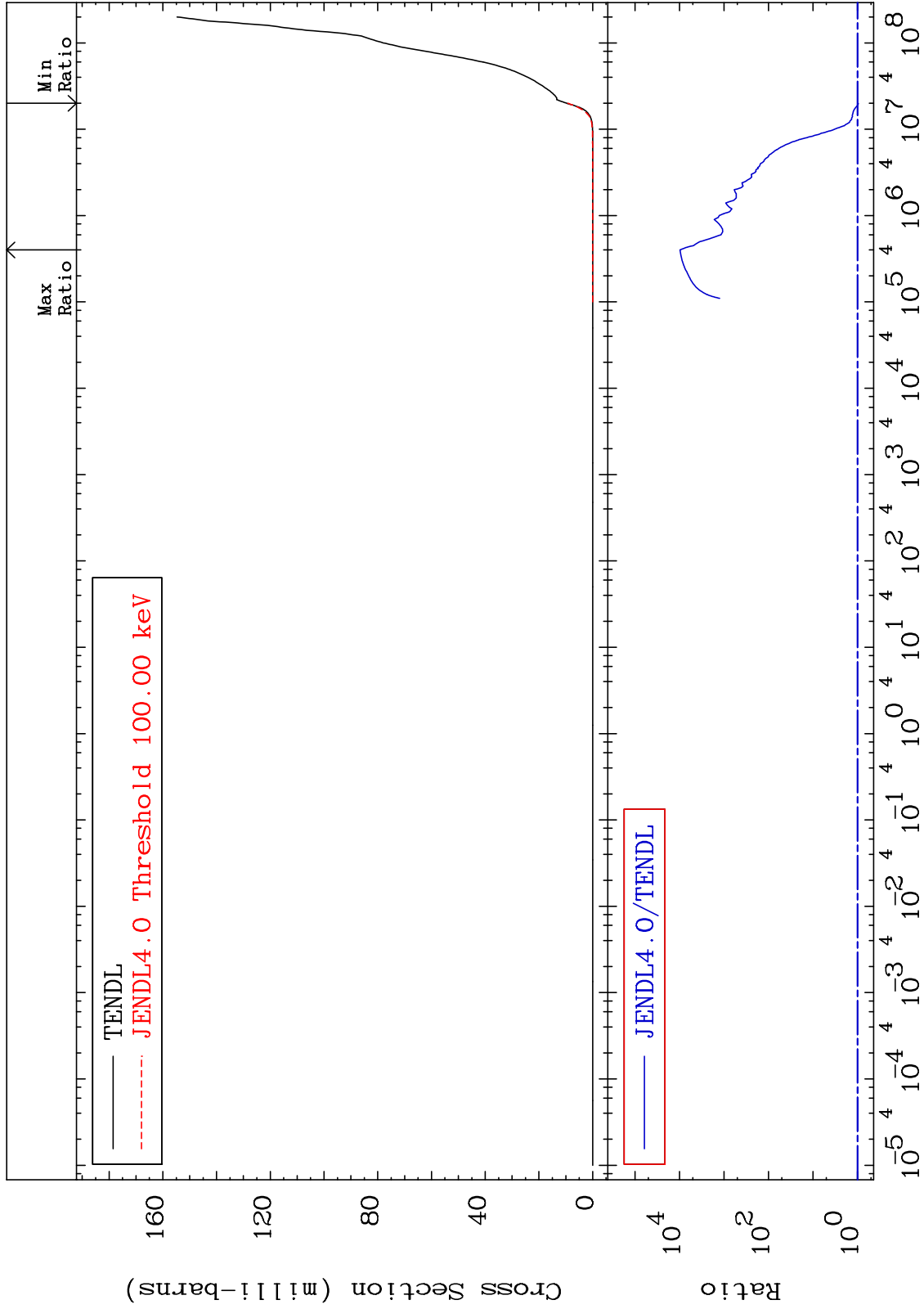
Incident Energy (eV)

54-Xe-130

MAT 5443

He-4 Production  
Cross Section

54-Xe-130  
-4.519 To 9999. %



49

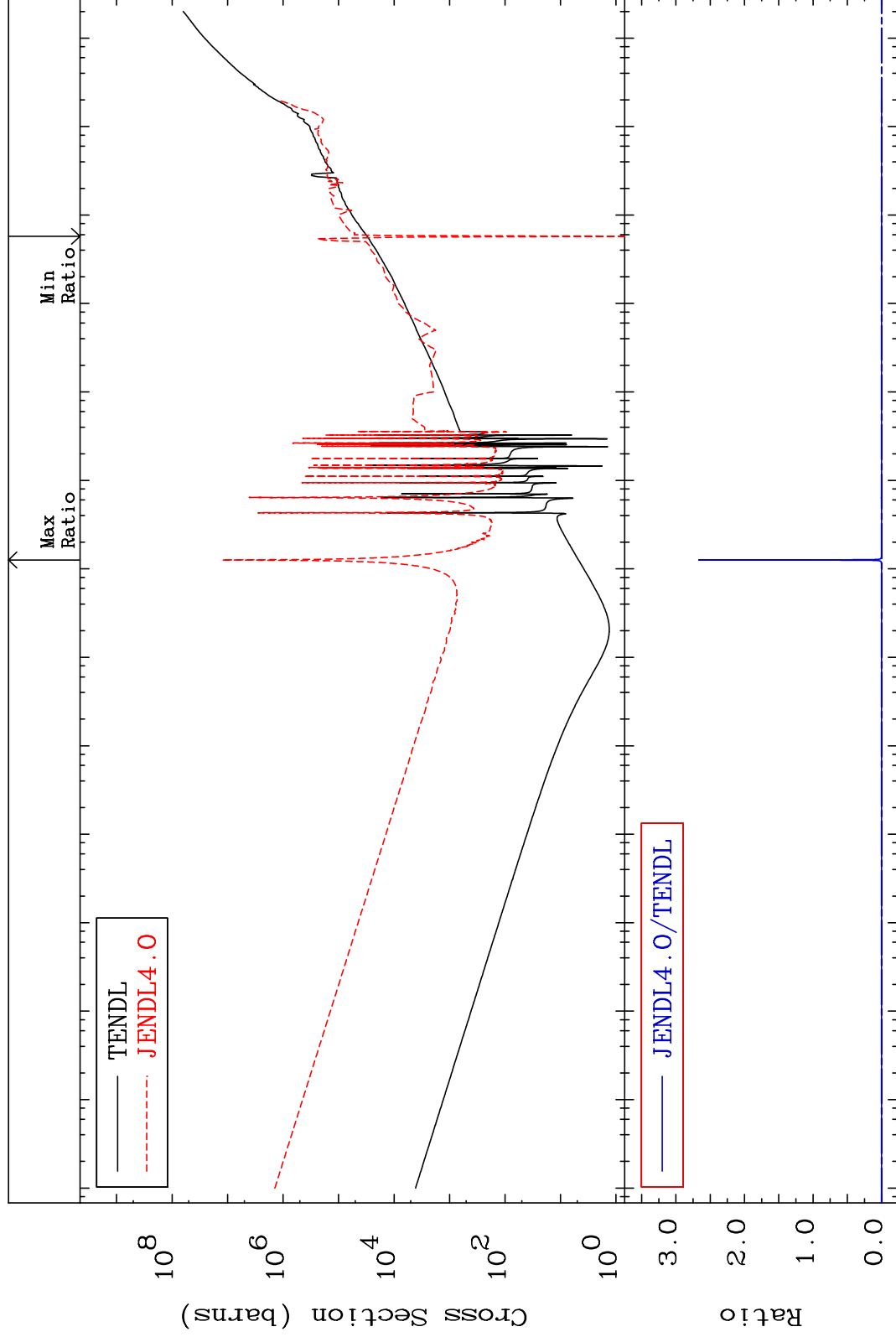
Incident Energy (eV)

54-Xe-130

MAT 5443

Kerma total (eV-barns)  
Cross Section

54-Xe-130  
-100.9 To 9999. %



50

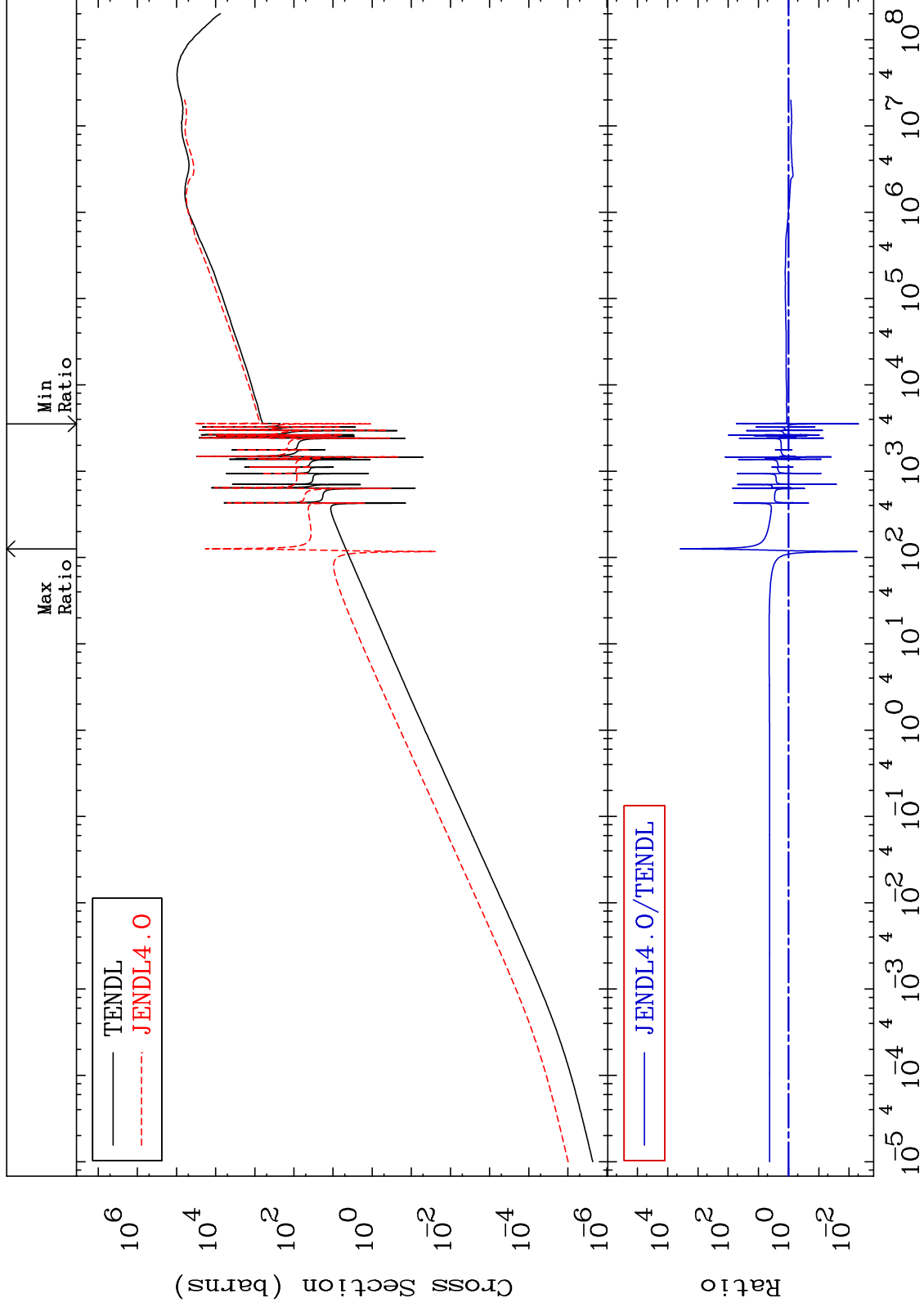
Incident Energy (eV)

54-Xe-130

MAT 5443

Kerma elastic  
Cross Section

54-Xe-130  
-99.51 To 9999. %



51

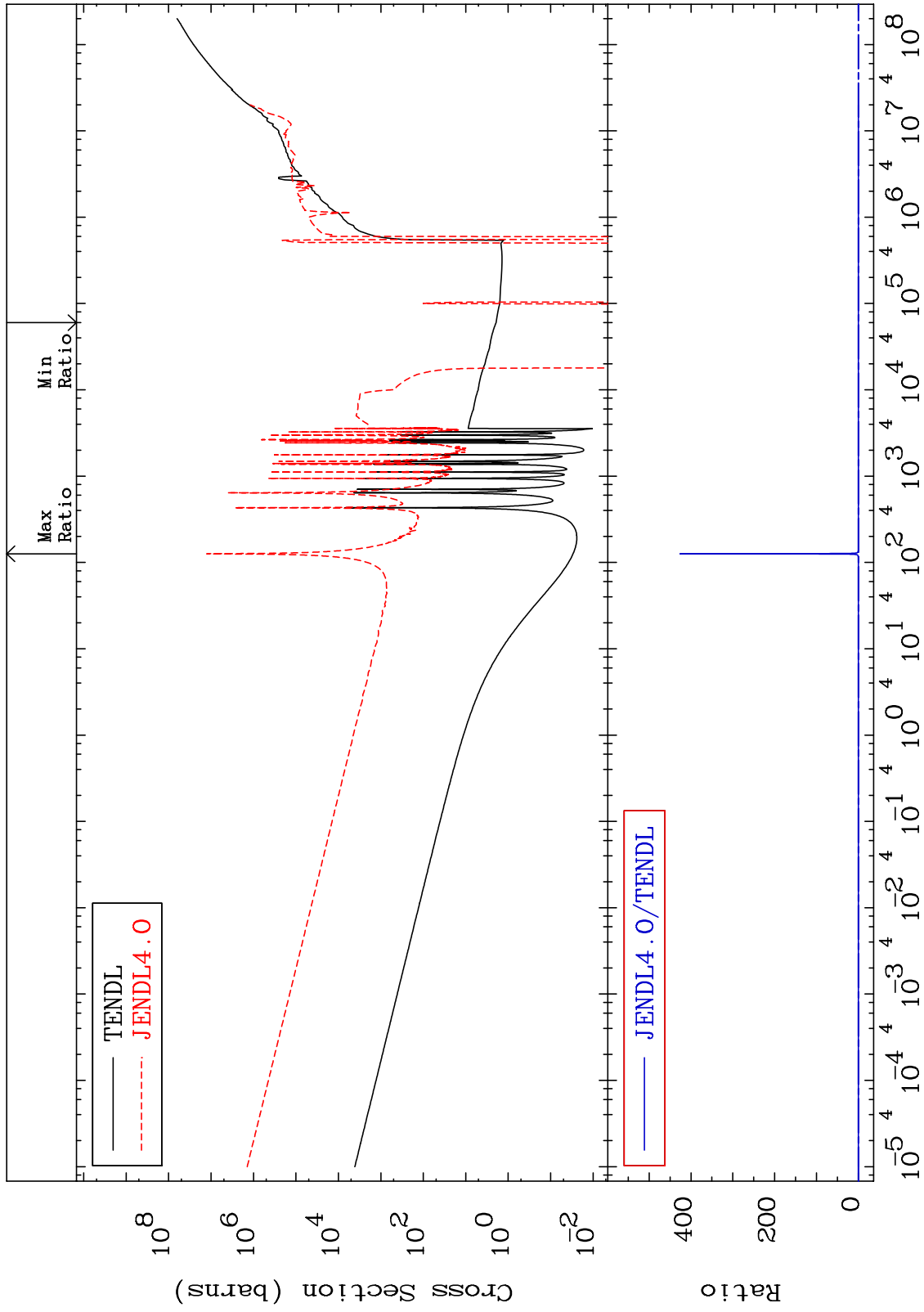
Incident Energy (eV)

54-Xe-130

MAT 5443

Kerma non-elastic (all but mt2)  
Cross Section

54-Xe-130  
-9999. To 9999. %



52

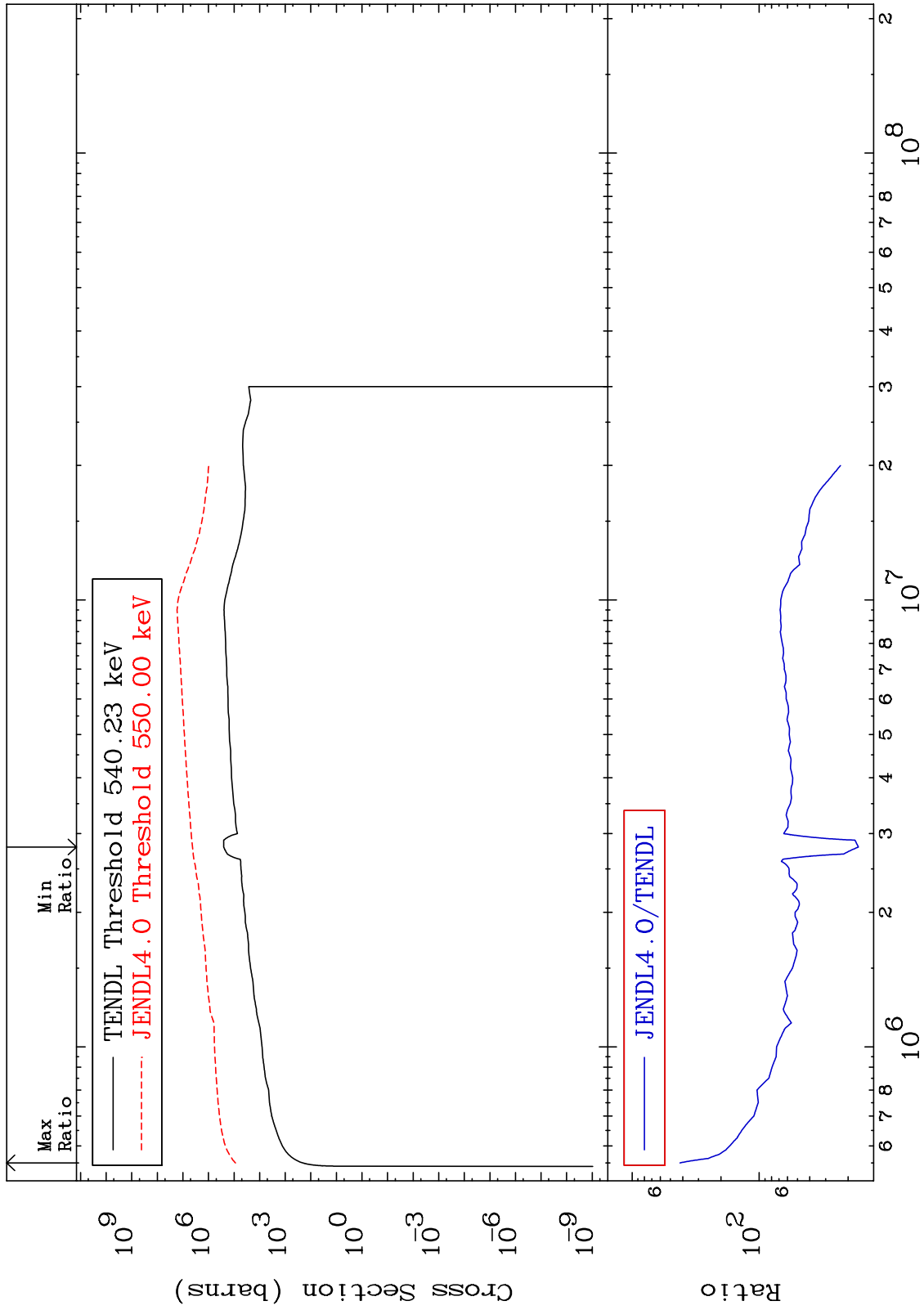
Incident Energy (eV)

54-Xe-130

MAT 5443

Kerma inelastic (mt51-91)  
Cross Section

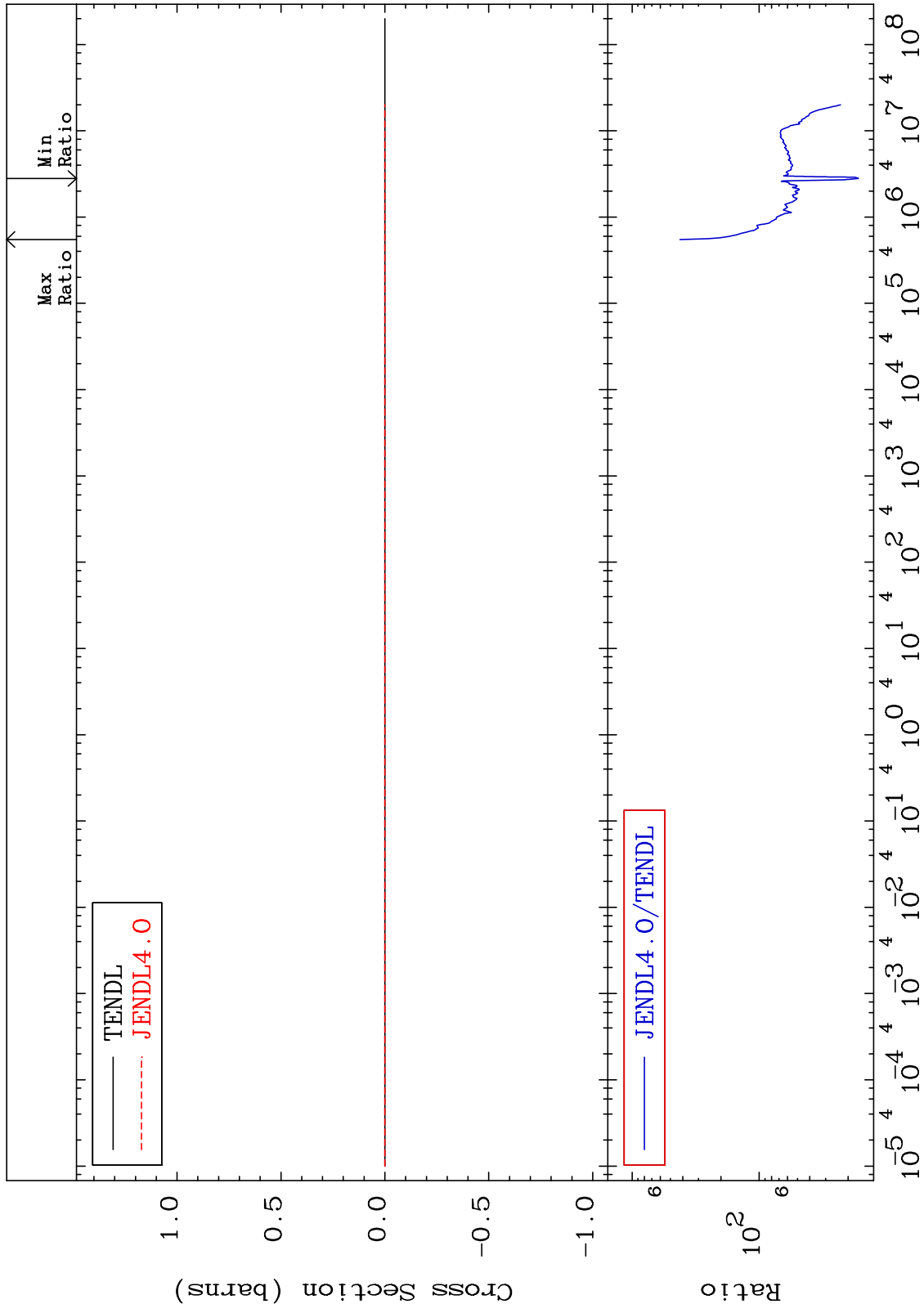
54-Xe-130  
1558. To 9999. %



MAT 5443

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

54-Xe-130  
1558. To 9999. %



54

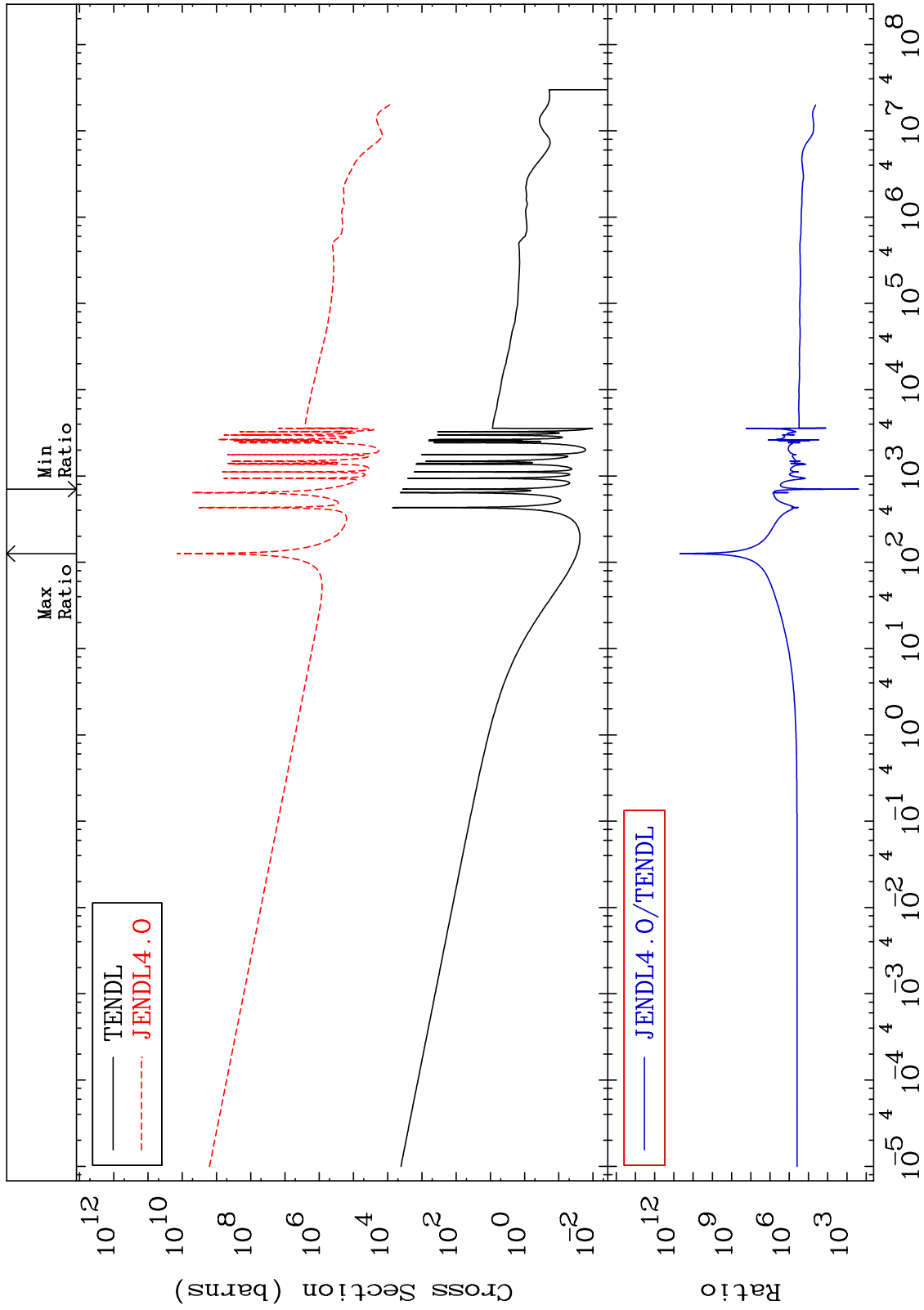
Incident Energy (eV)

54-Xe-130

MAT 5443

Kerma capture (mt102)  
Cross Section

54-Xe-130  
9999. To 9999. %



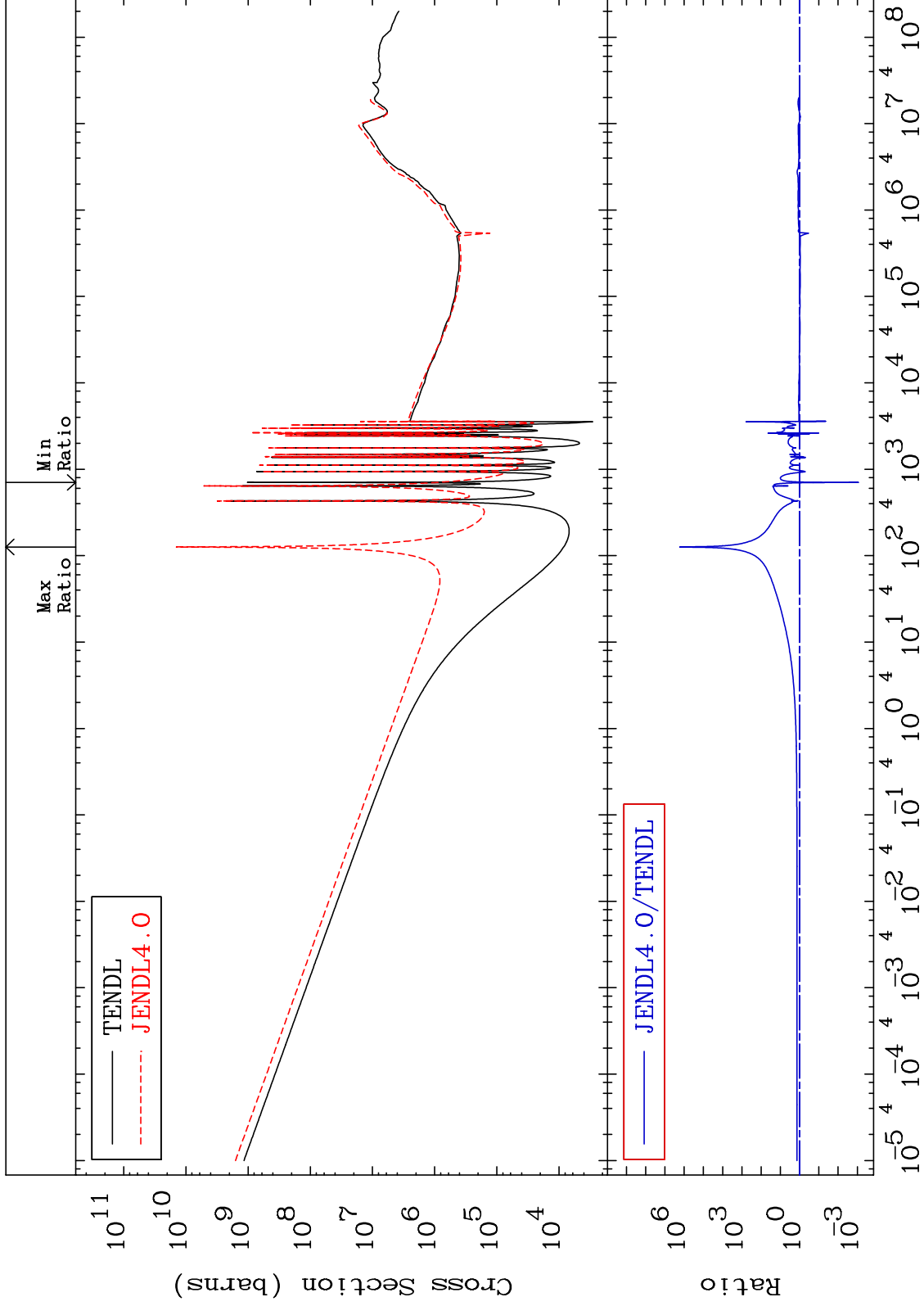
55



MAT 5443

Total photon (eV-barns)  
Cross Section

54-Xe-130  
-99.91 To 9999. %



56

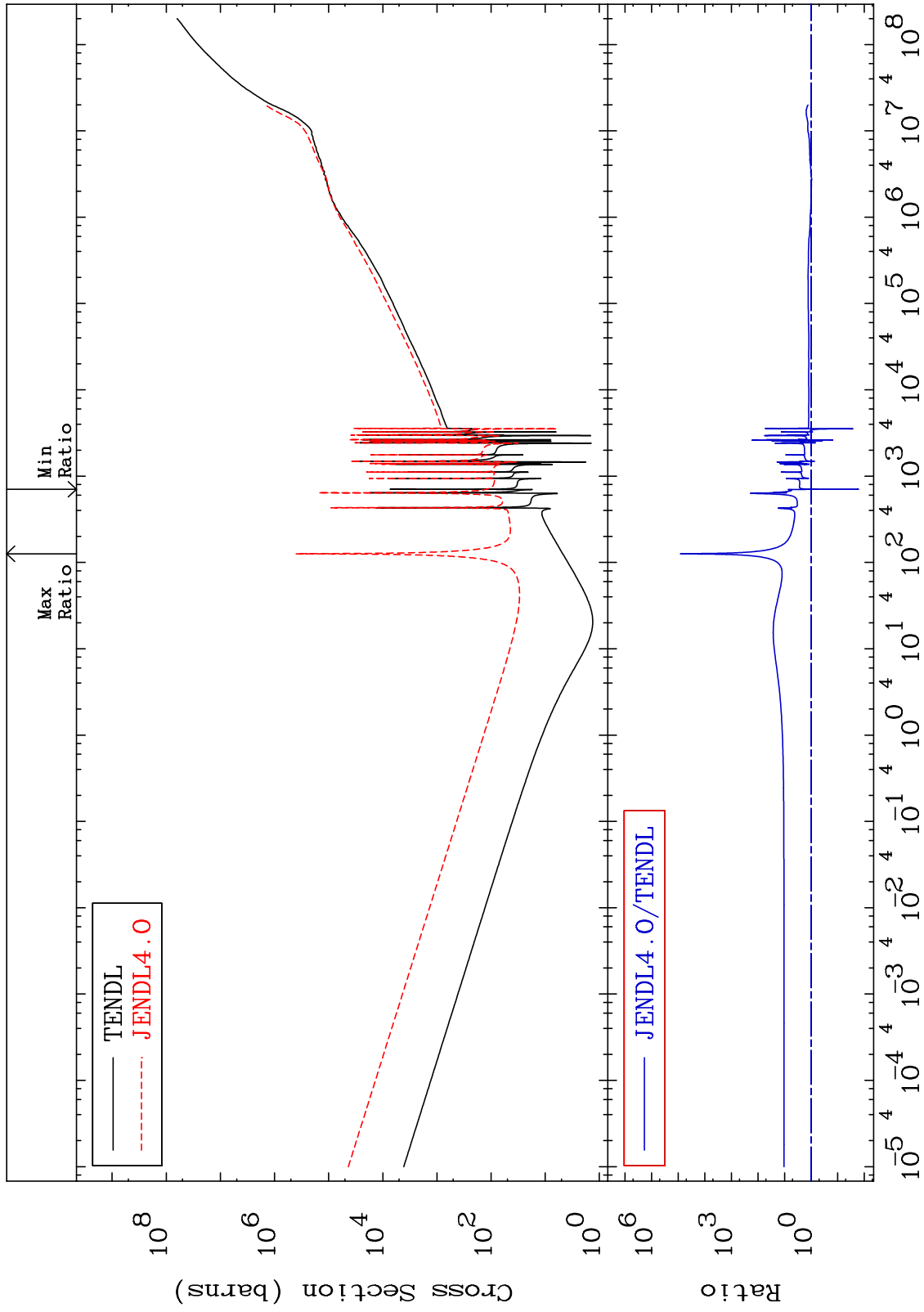
Incident Energy (eV)

54-Xe-130

MAT 5443

Total kinematic kerma (high limit)  
Cross Section

54-Xe-130  
-98.33 To 9999. %



57

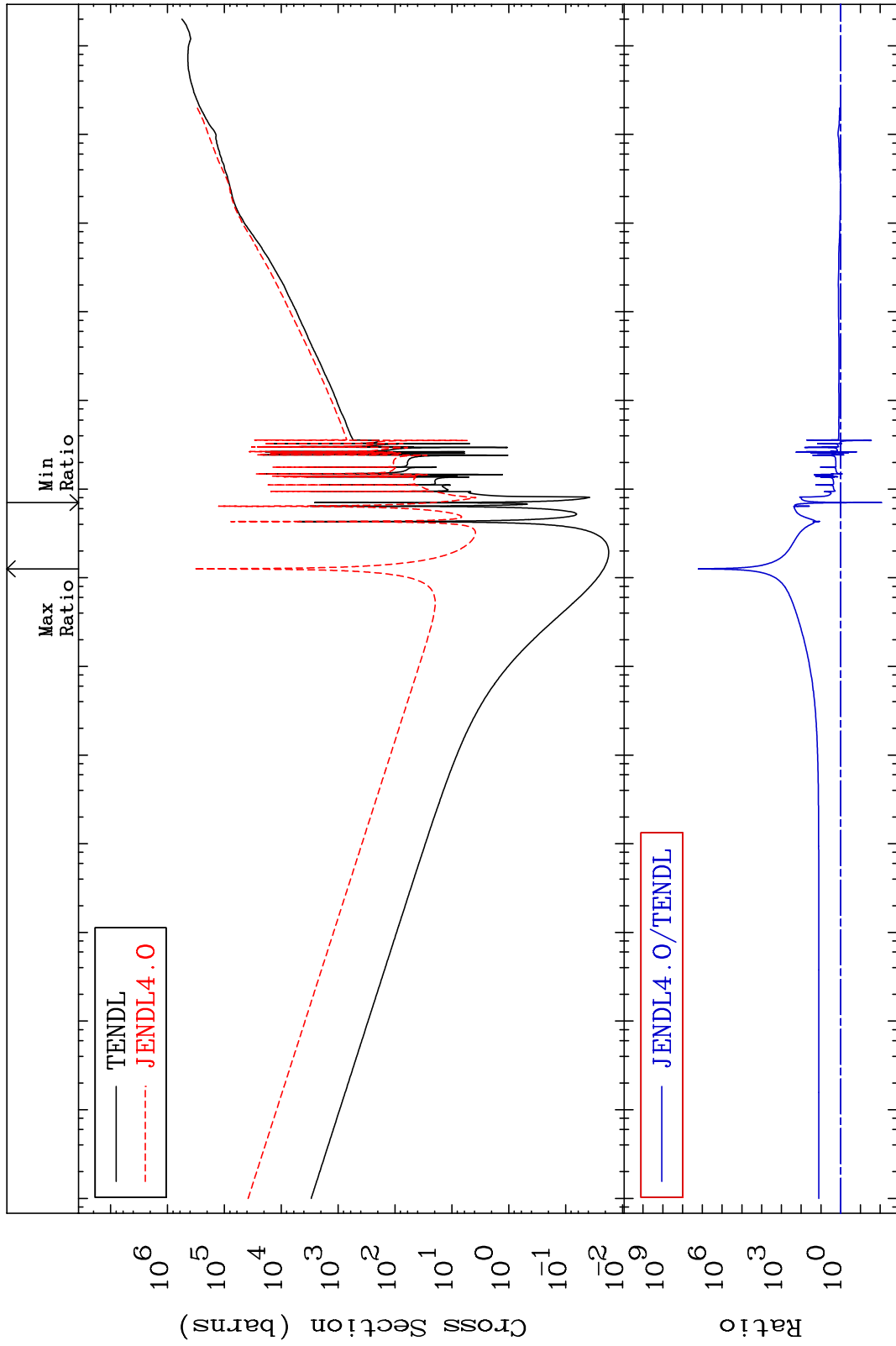
Incident Energy (eV)

54-Xe-130

MAT 5443

Dpa total (eV-barns)  
Cross Section

54-Xe-130  
-99.14 To 9999. %



58

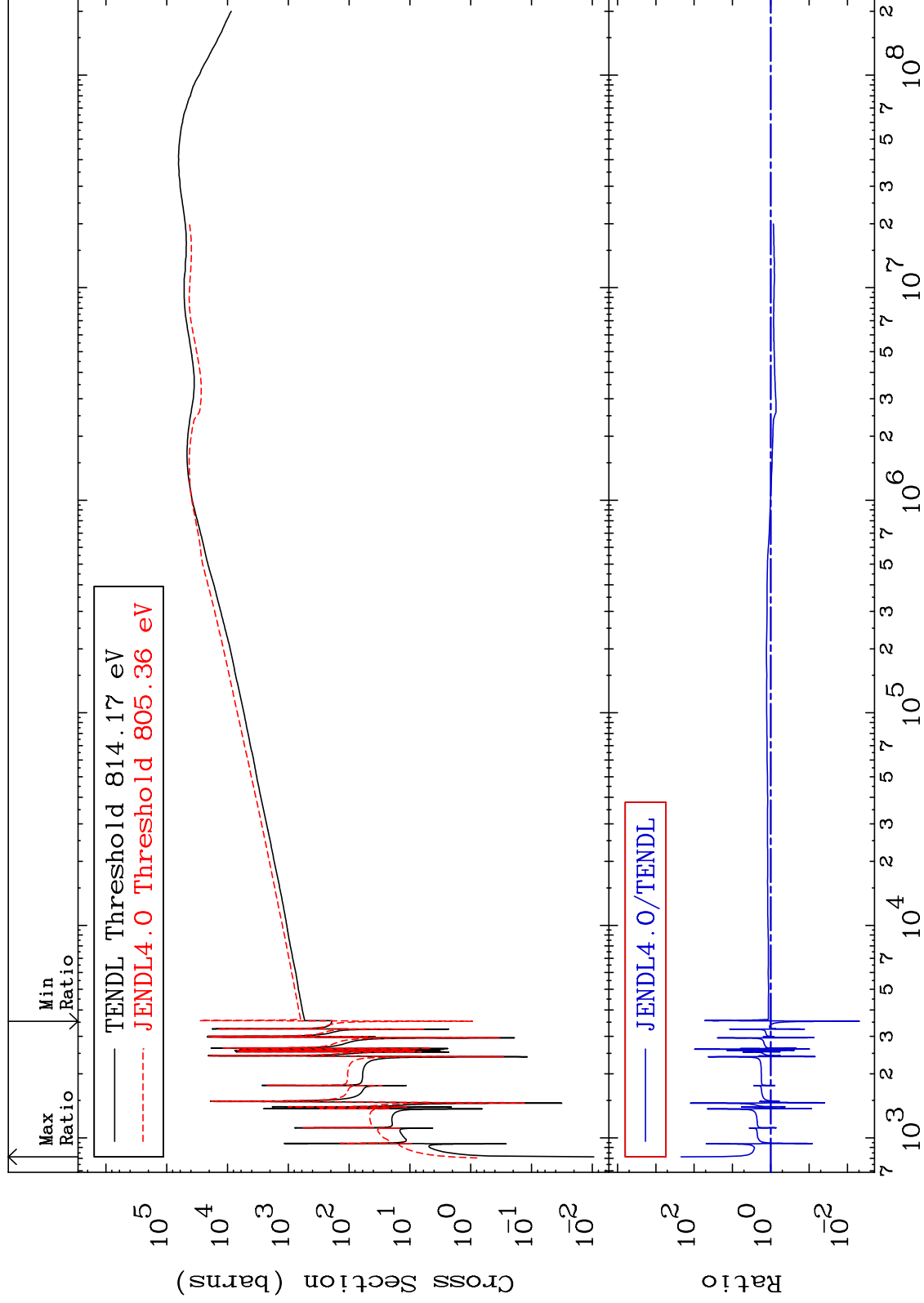
Incident Energy (eV)

54-Xe-130

MAT 5443

Dpa elastic (mt2)  
Cross Section

54-Xe-130  
-99.51 To 9999. %



59

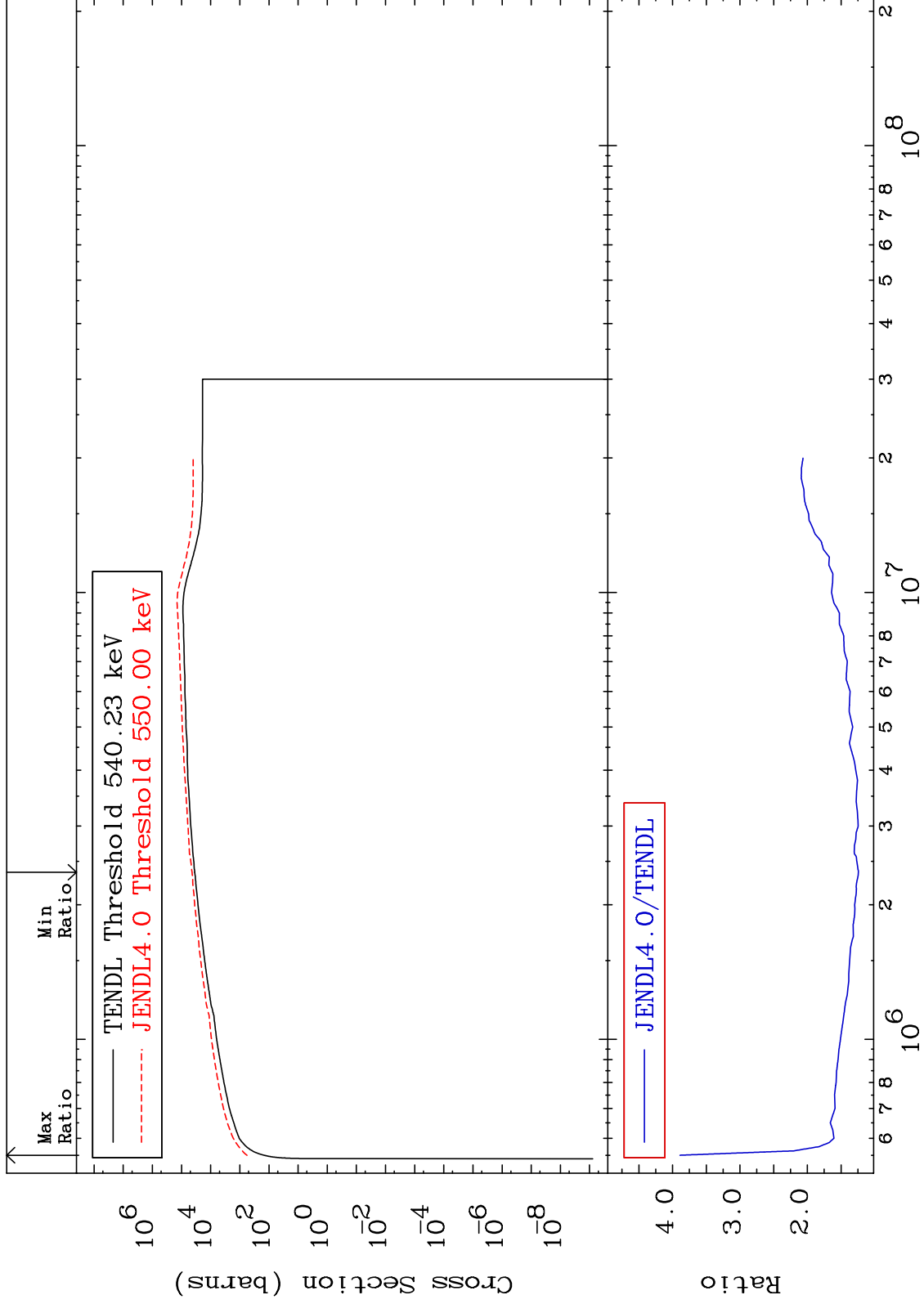
Incident Energy (eV)

54-Xe-130

MAT 5443

Dpa inelastic (mt51-91)  
Cross Section

54-Xe-130  
24.23 To 288.9 %



60

Incident Energy (eV)

54-Xe-130

MAT 5443

Dpa disappearance (mt102 -120)  
Cross Section

54-Xe-130  
-99.14 To 9999. %

