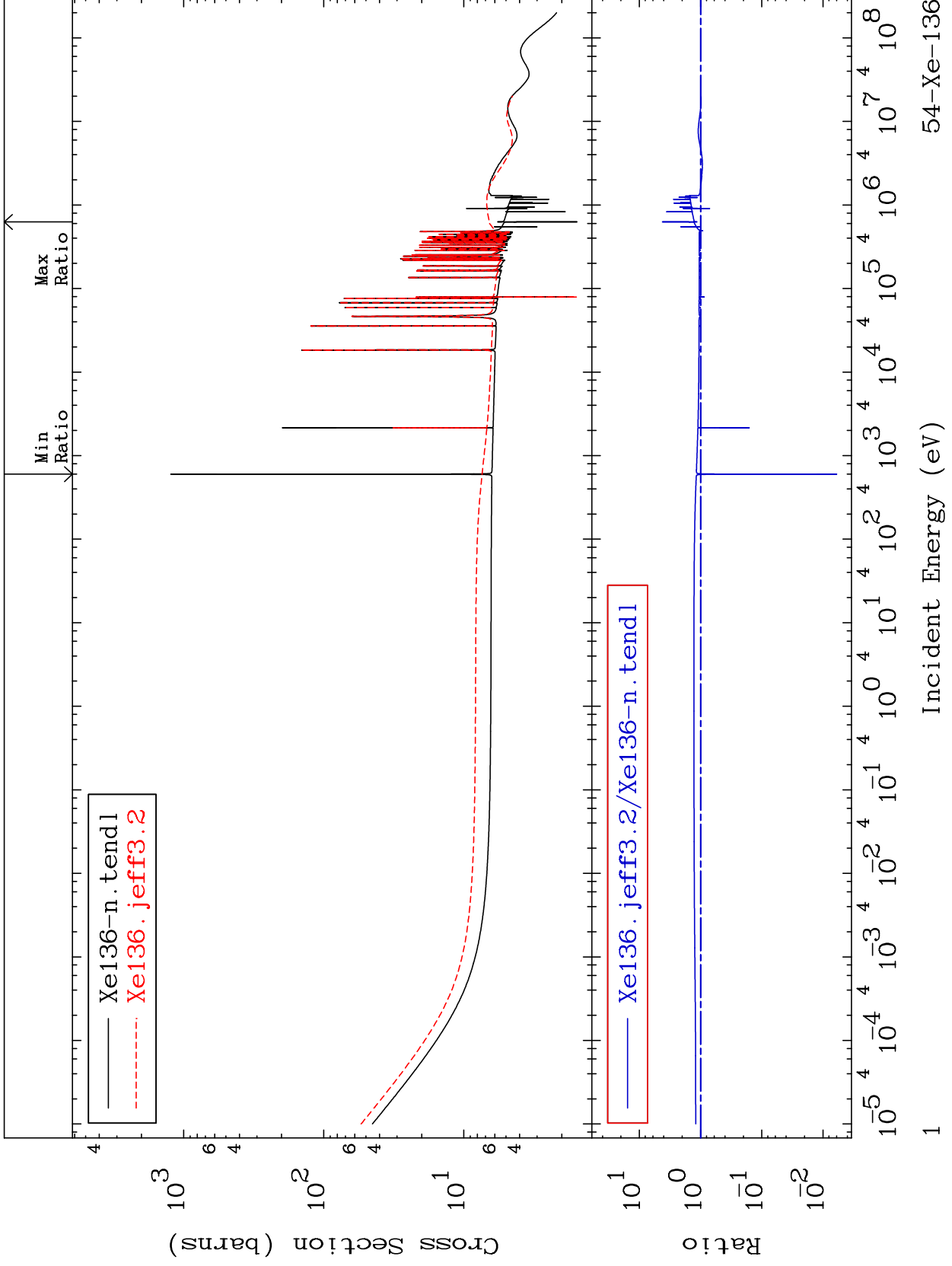


MAT 5461

Total  
Cross Section

54-Xe-136  
-99.40 To 322.1 %



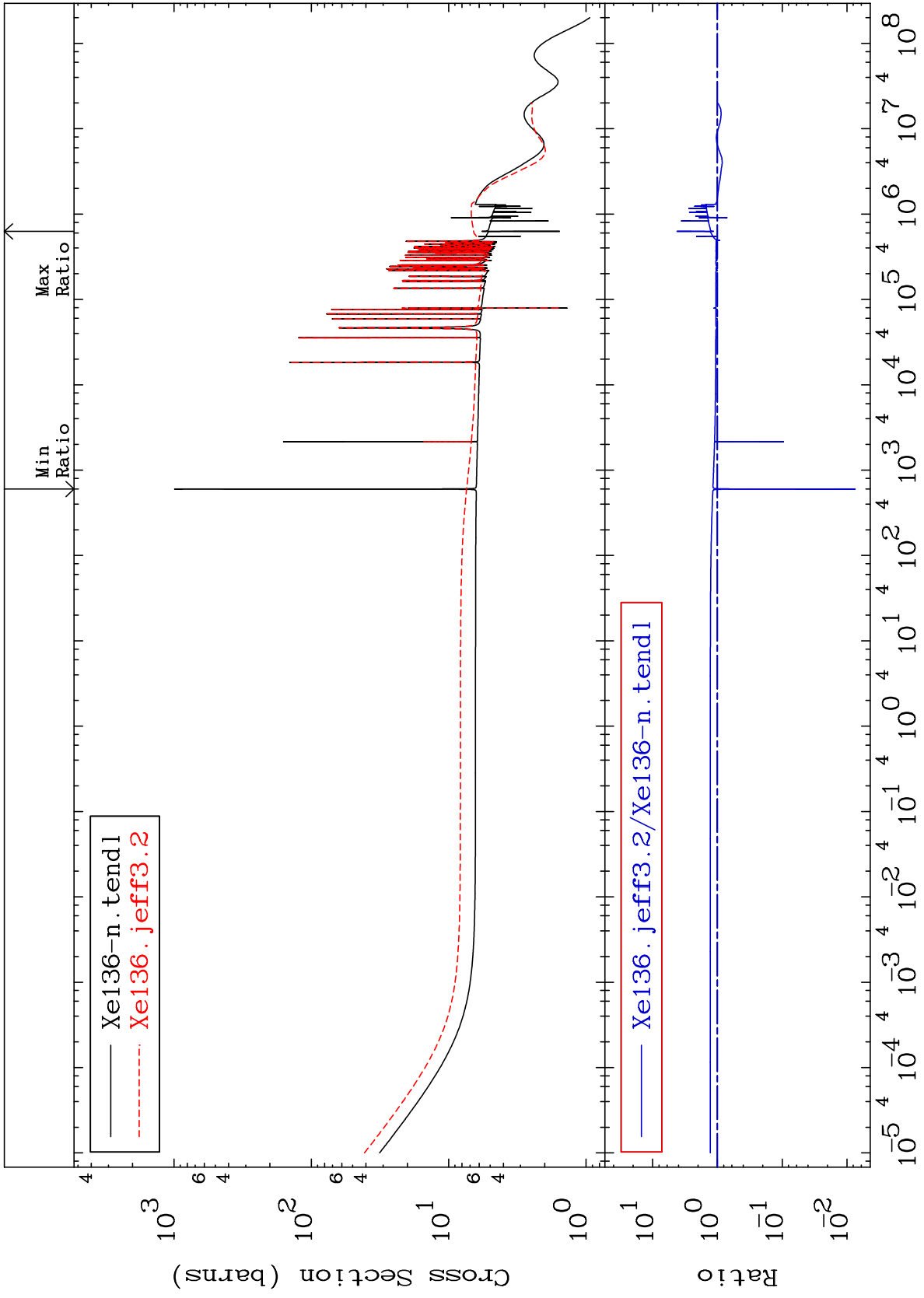
Incident Energy (eV)

54-Xe-136

MAT 5461

Elastic  
Cross Section

54-Xe-136  
-99.25 To 322.2 %



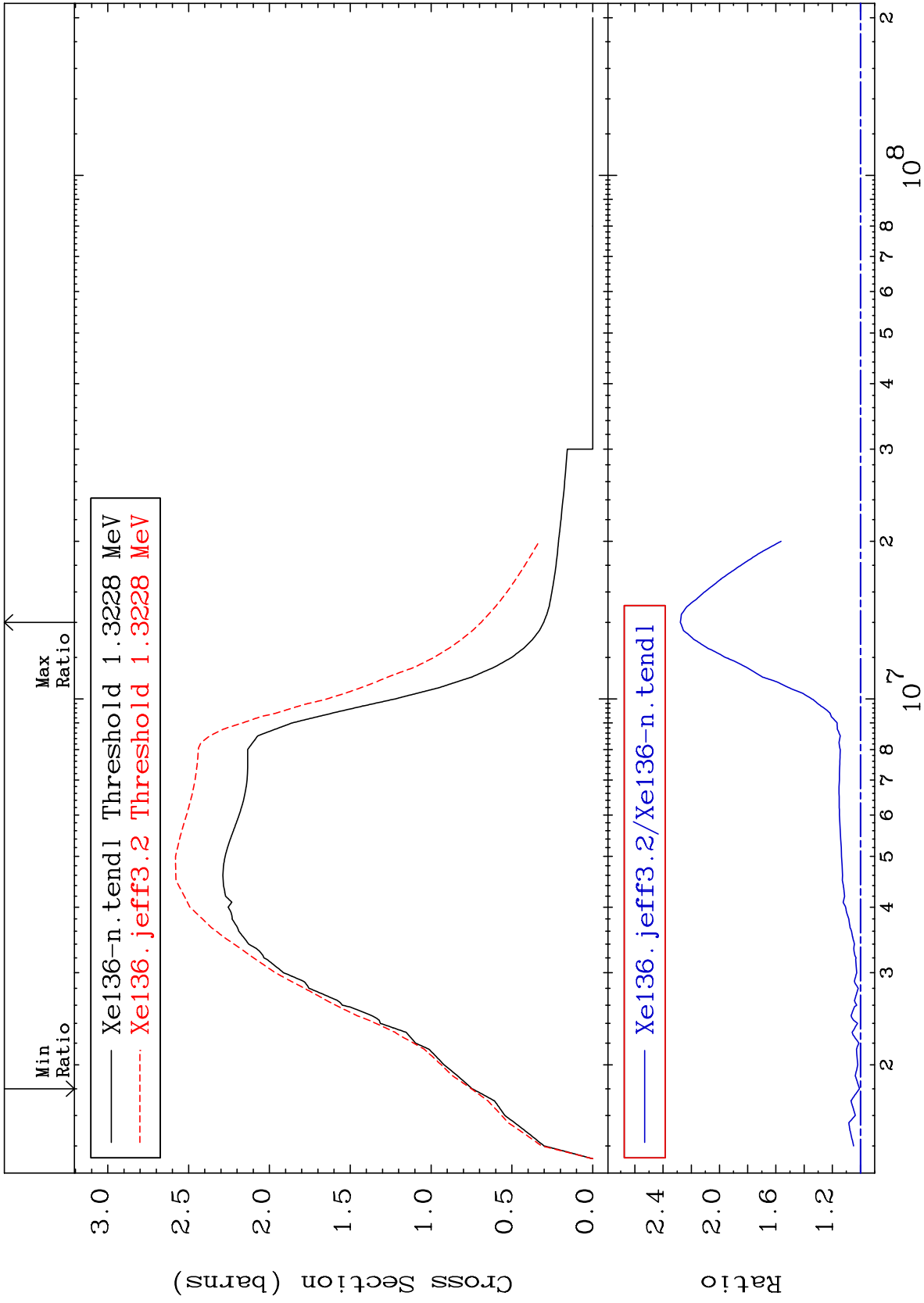
Incident Energy (eV)

54-Xe-136

2

MAT 5461

Inelastic Cross Section 54-Xe-136  
0.736 To 127.7 %



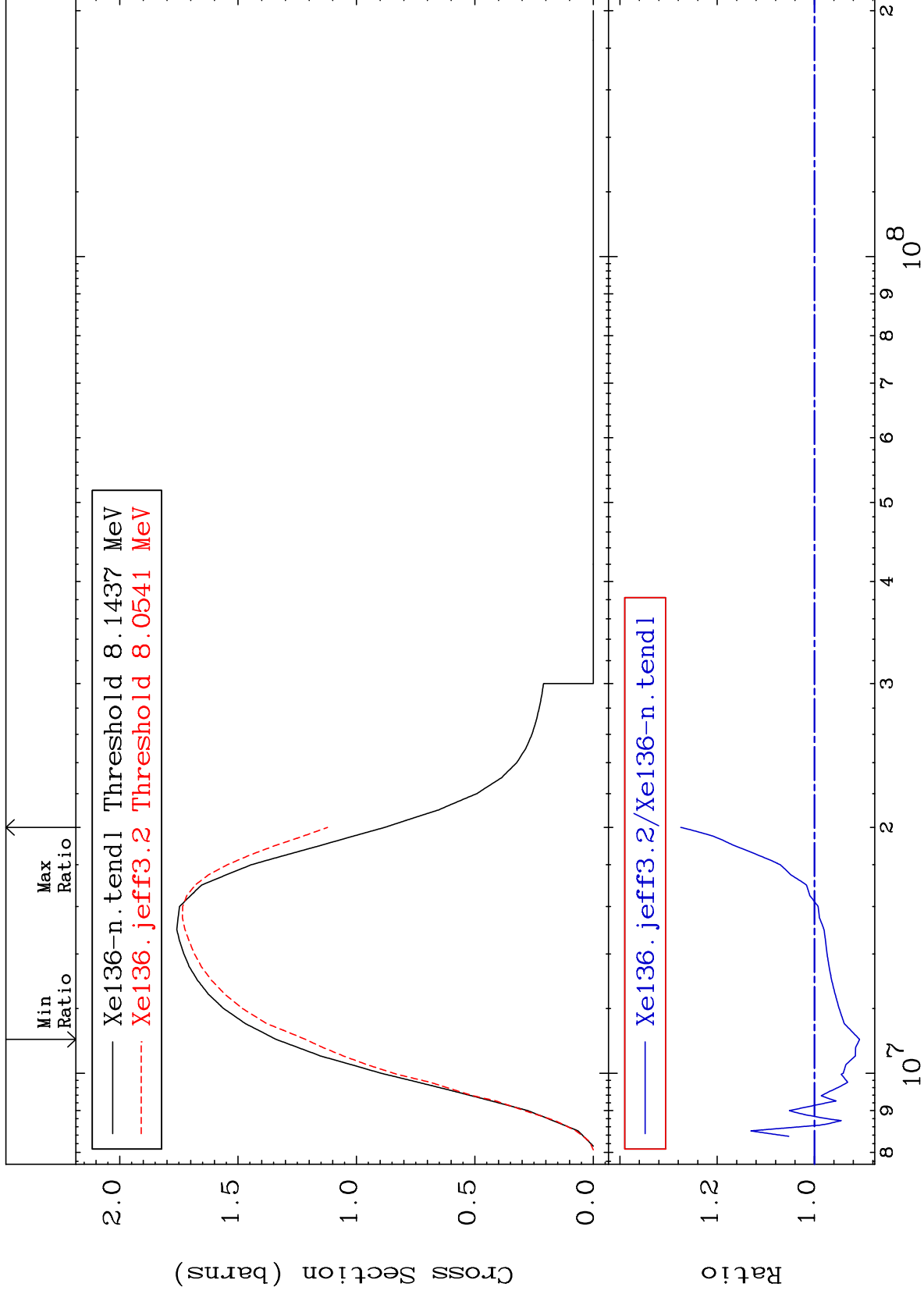
MAT 5461

(n,2n)

54-Xe-136

Cross Section

-9.272 To 27.49 %



4

Incident Energy (eV)

54-Xe-136

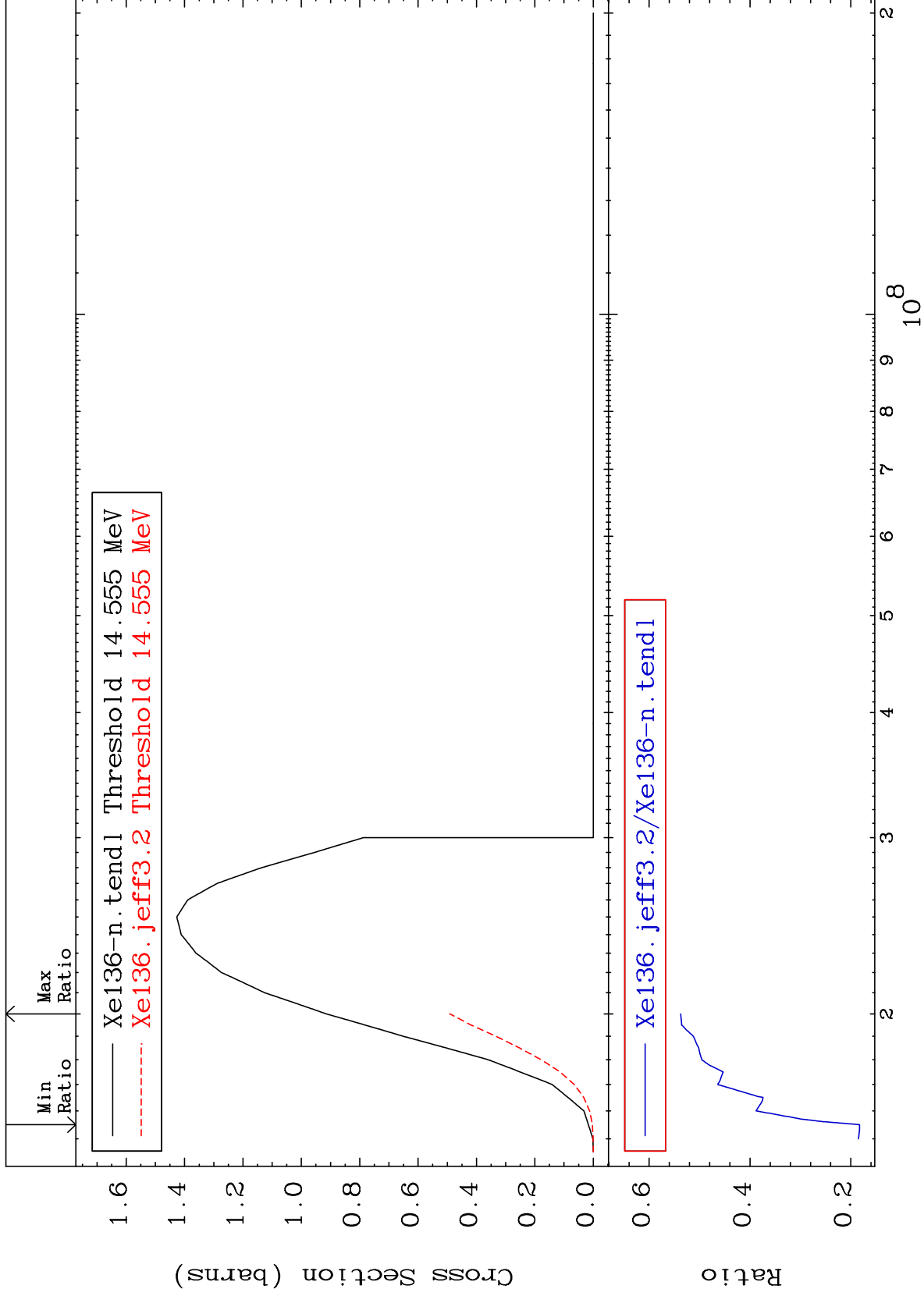
MAT 5461

(n,3n)

54-Xe-136

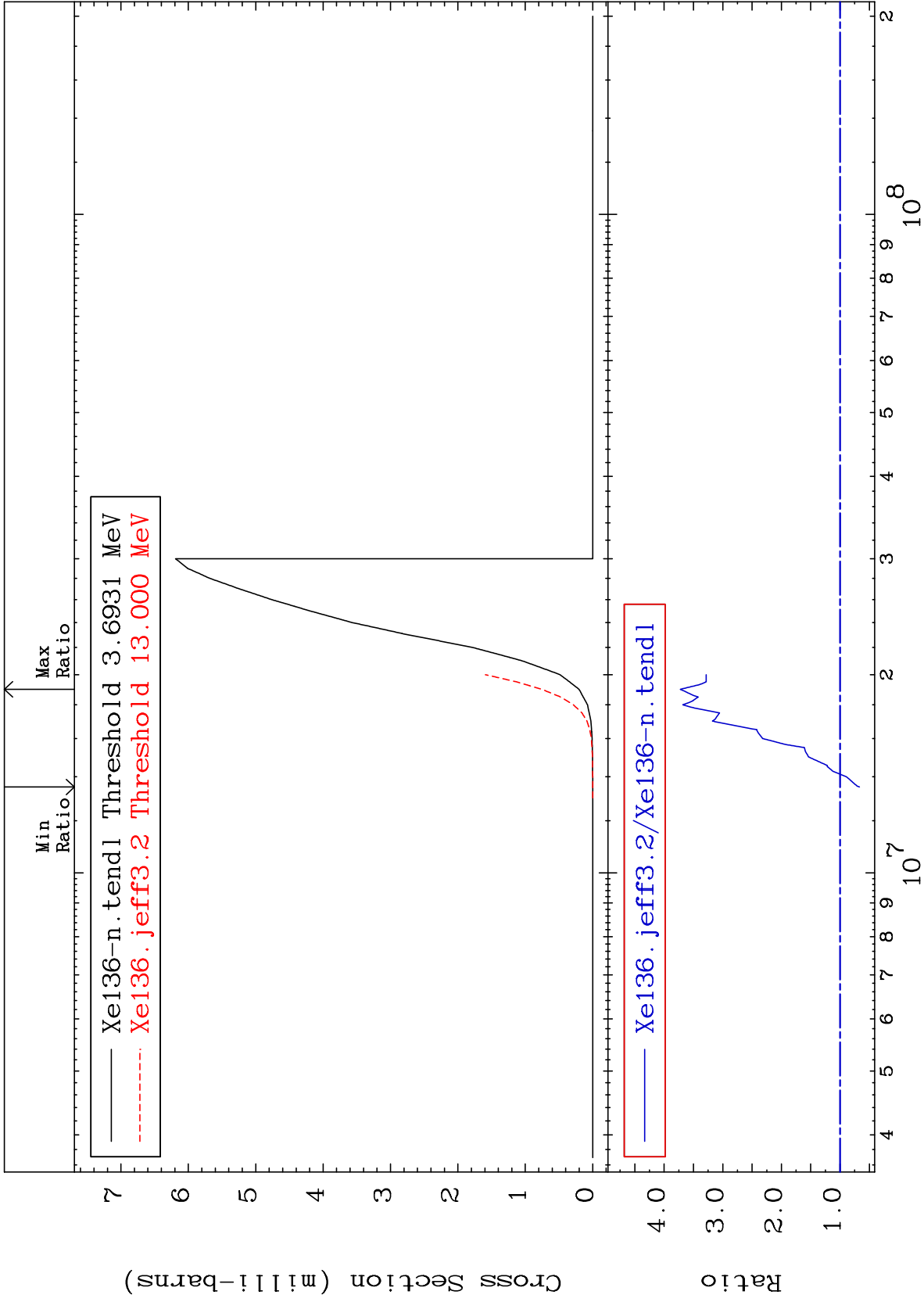
Cross Section

-81.72 To -46.27%



MAT 5461

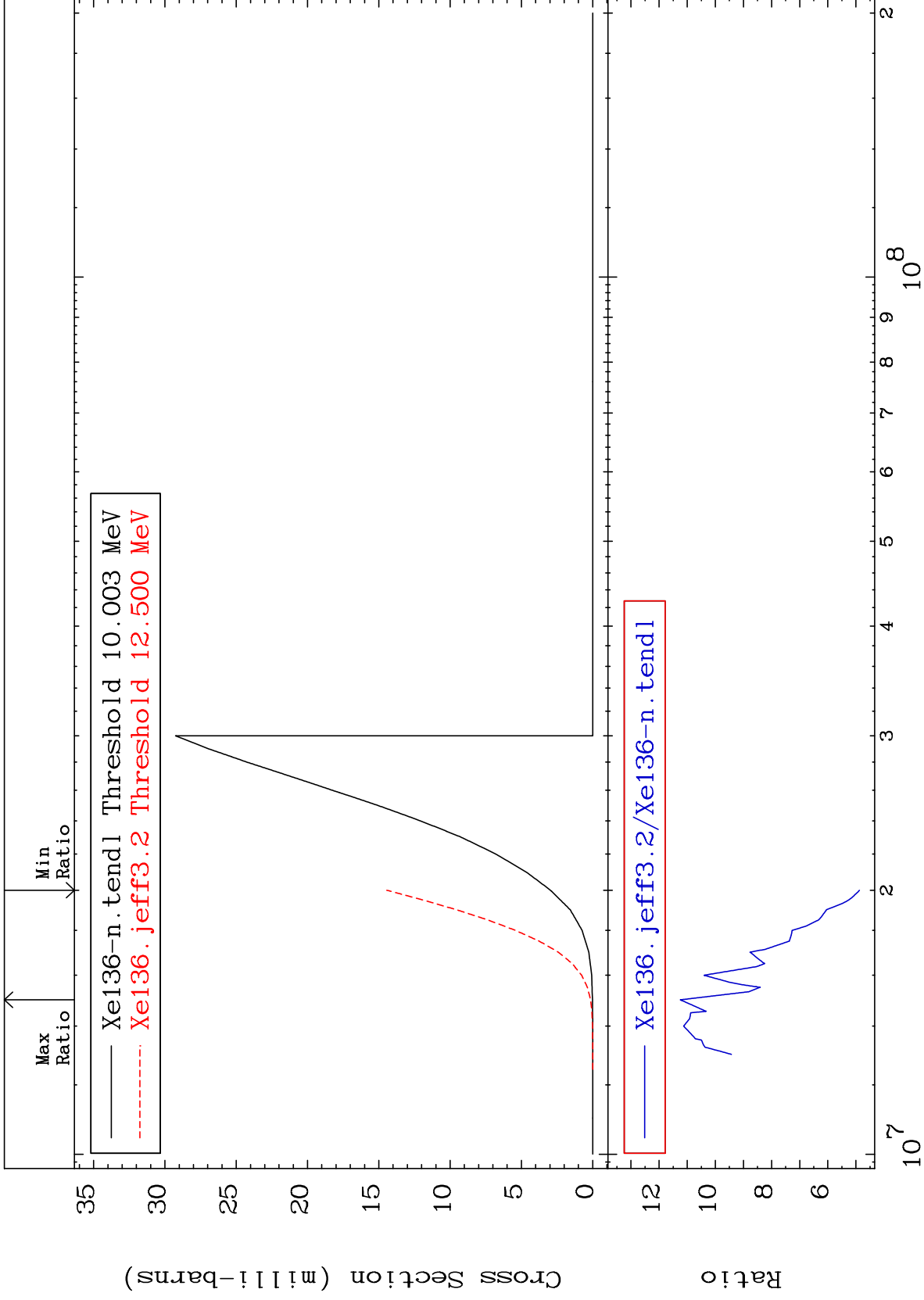
(n, n')  $\alpha$   
Cross Section  
54-Xe-136  
-33.06 To 272.3 %



MAT 5461

(n,n') p  
Cross Section

54-Xe-136  
387.5 To 1024. %



Incident Energy (eV)

54-Xe-136

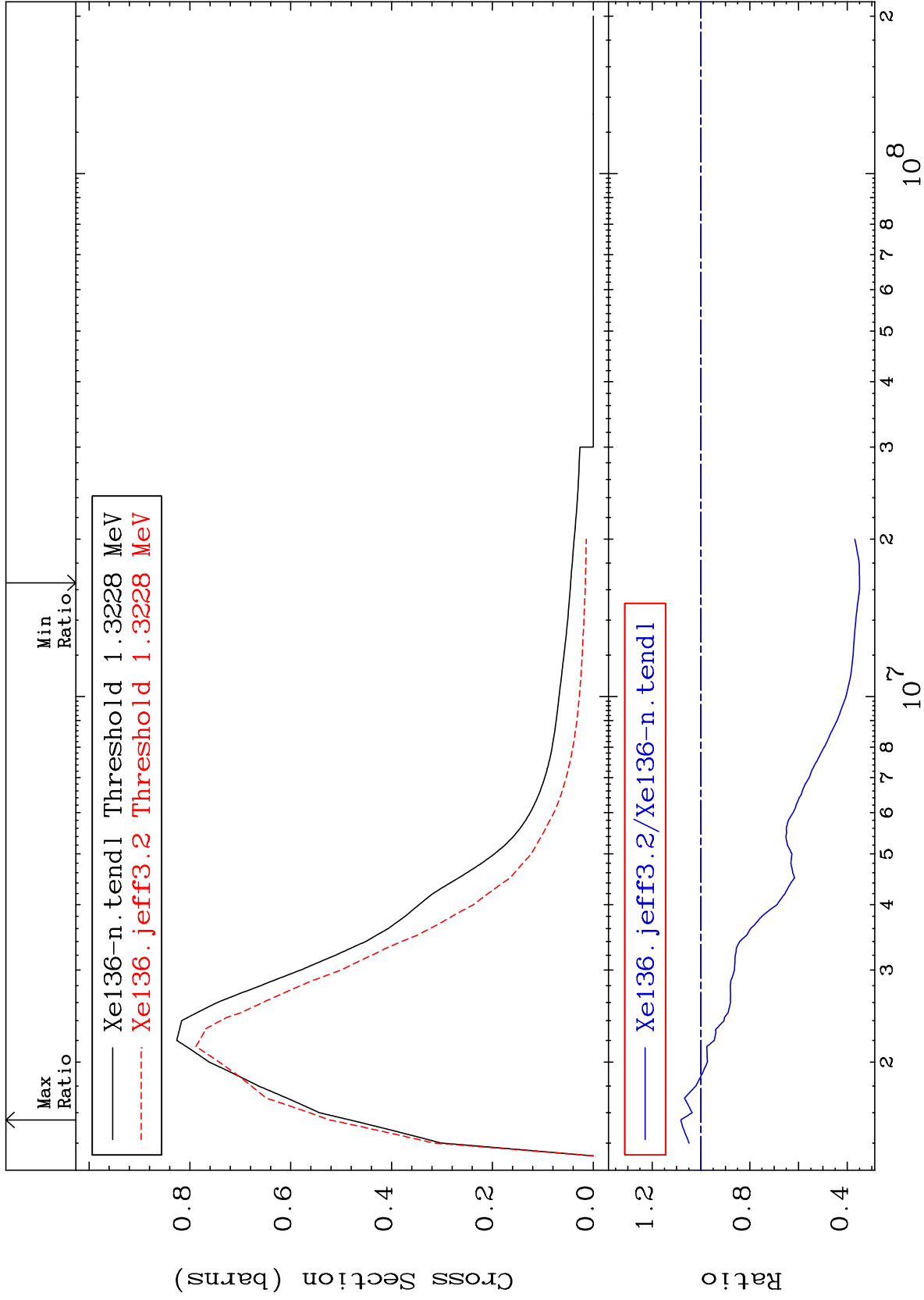
MAT 5461

1.313 MeV (n,n') Level

54-Xe-136

-65.01 To 8.290 %

Cross Section

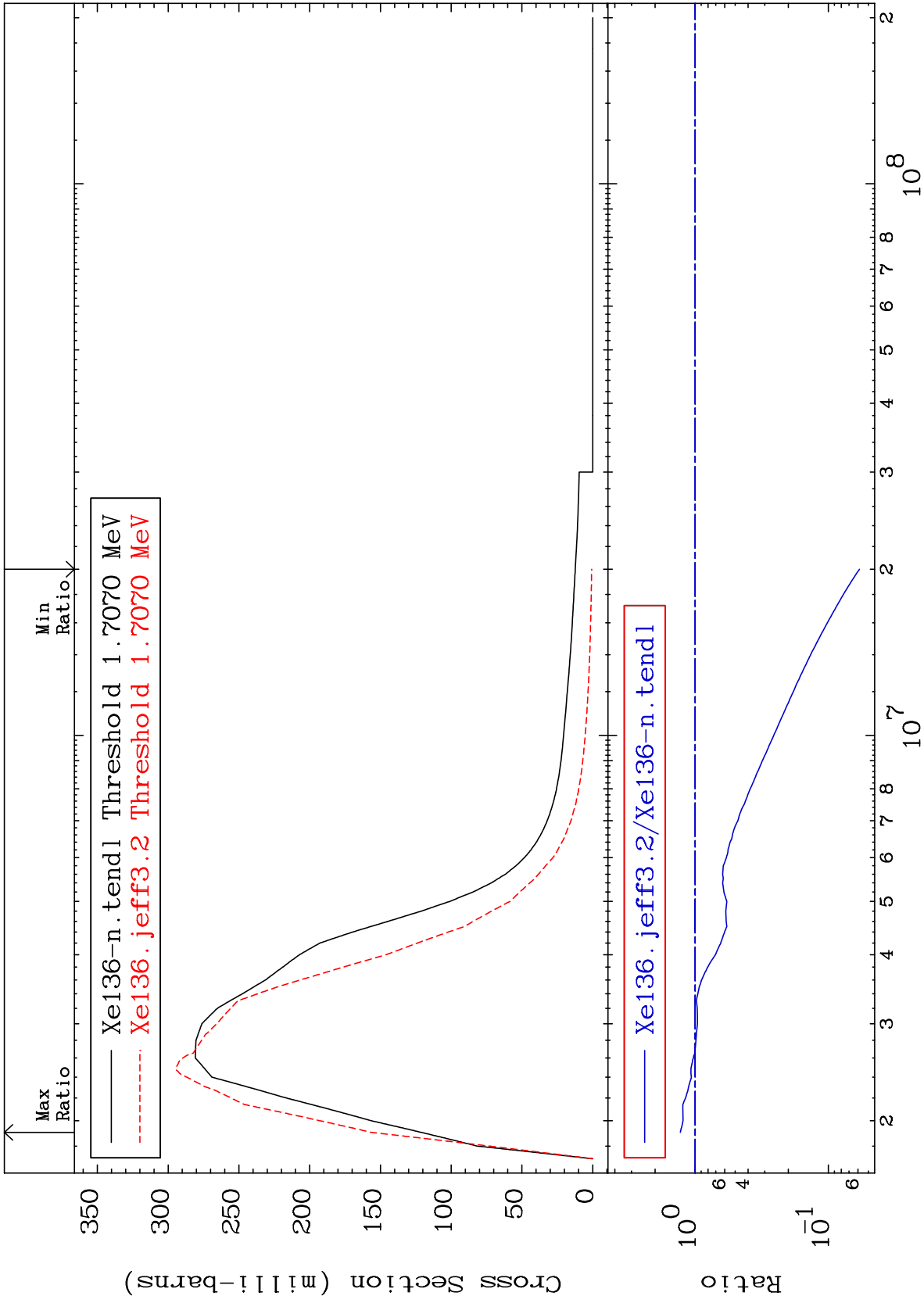




MAT 5461

1.694 MeV (n,n') Level  
Cross Section

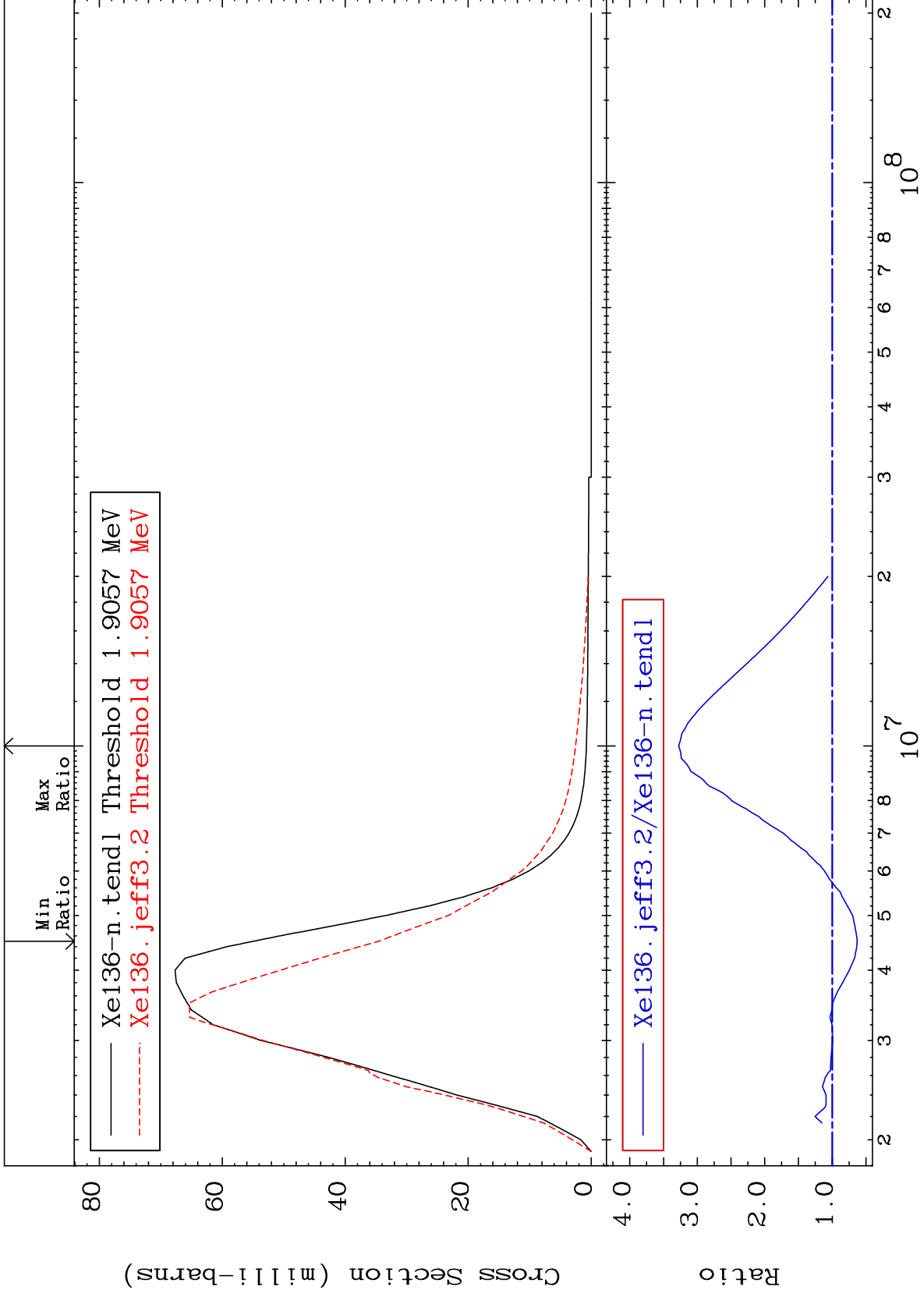
54-Xe-136  
-94.16 To 29.12 %



MAT 5461

1.892 MeV (n,n') Level  
Cross Section

54-Xe-136  
-37.12 To 227.6 %



10

Incident Energy (eV)

54-Xe-136

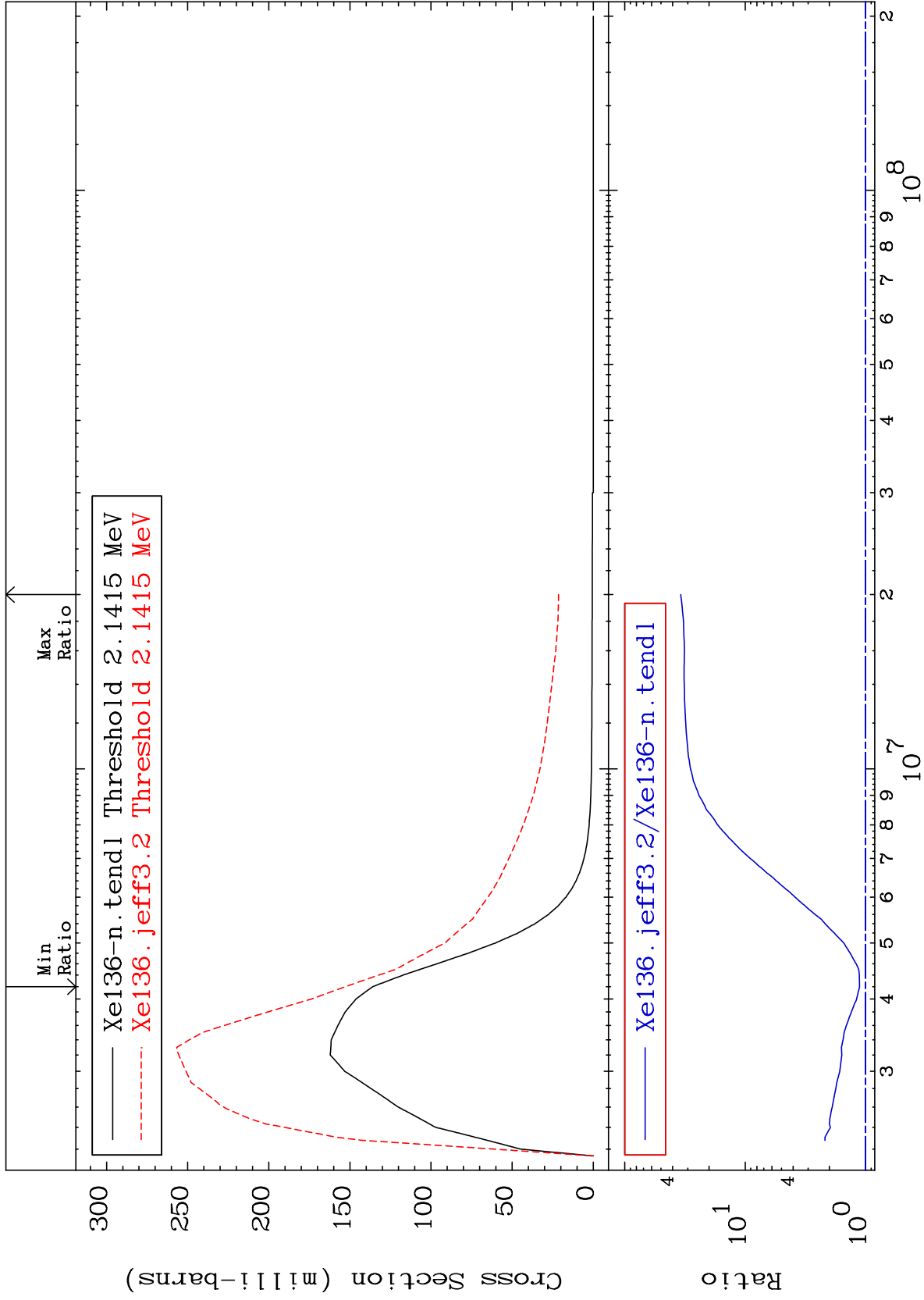
MAT 5461

2.126 MeV (n,n') Level

54-Xe-136

12.41 To 3329. %

Cross Section



11

Incident Energy (eV)

54-Xe-136

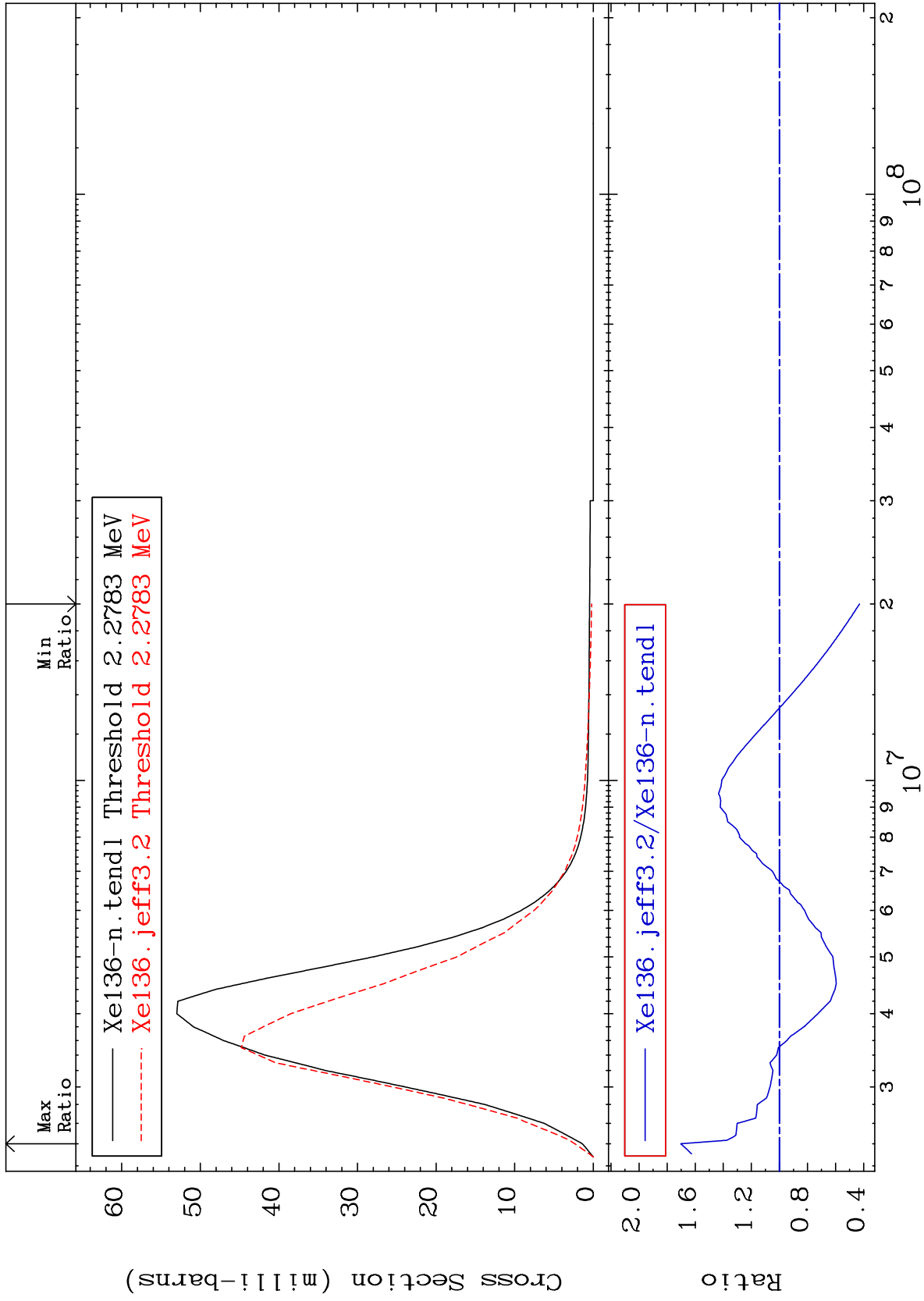
MAT 5461

2.262 MeV (n,n') Level

54-Xe-136

-57.08 To 70.28 %

Cross Section



12

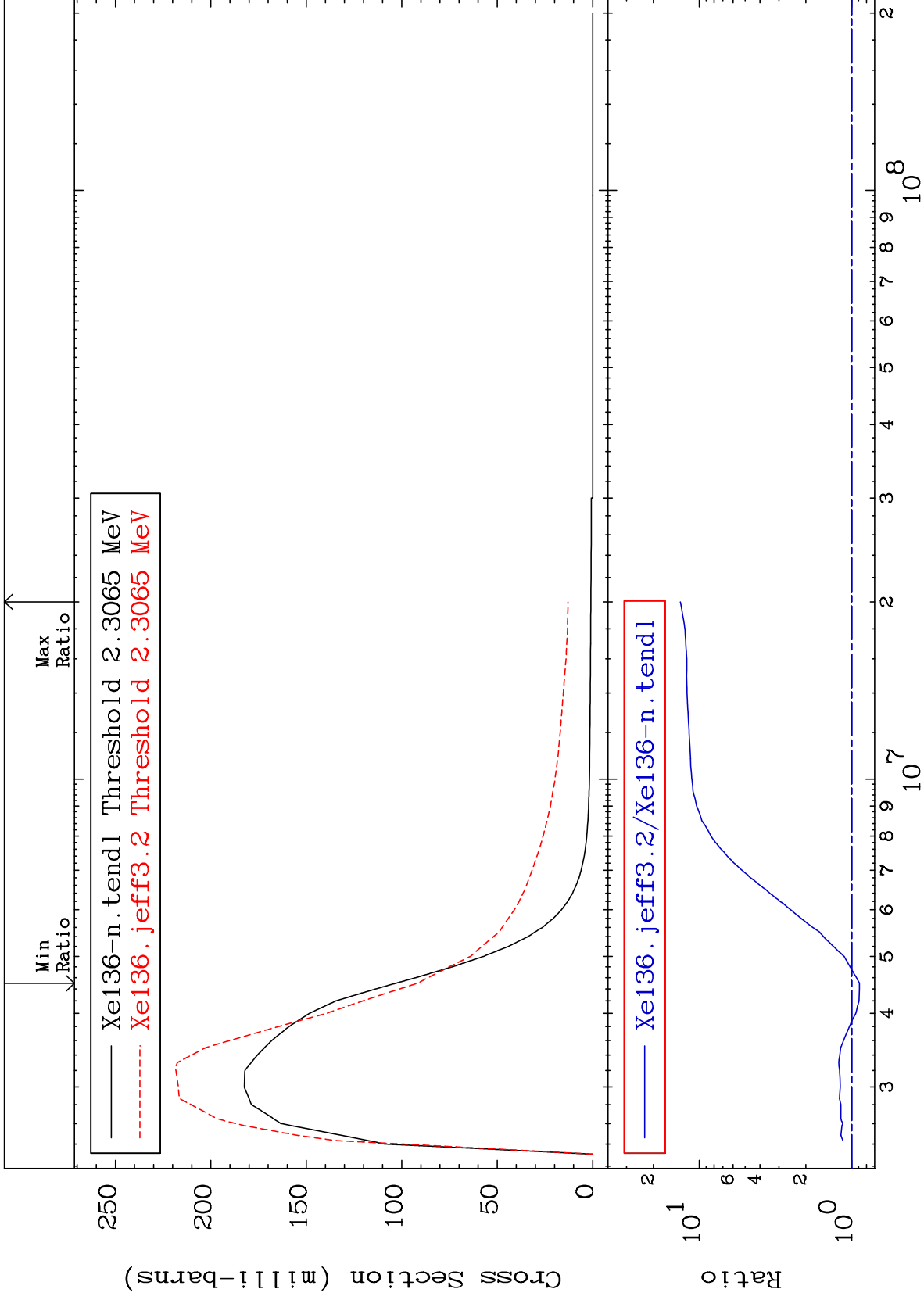
Incident Energy (eV)

54-Xe-136

MAT 5461

2.290 MeV (n,n') Level  
Cross Section

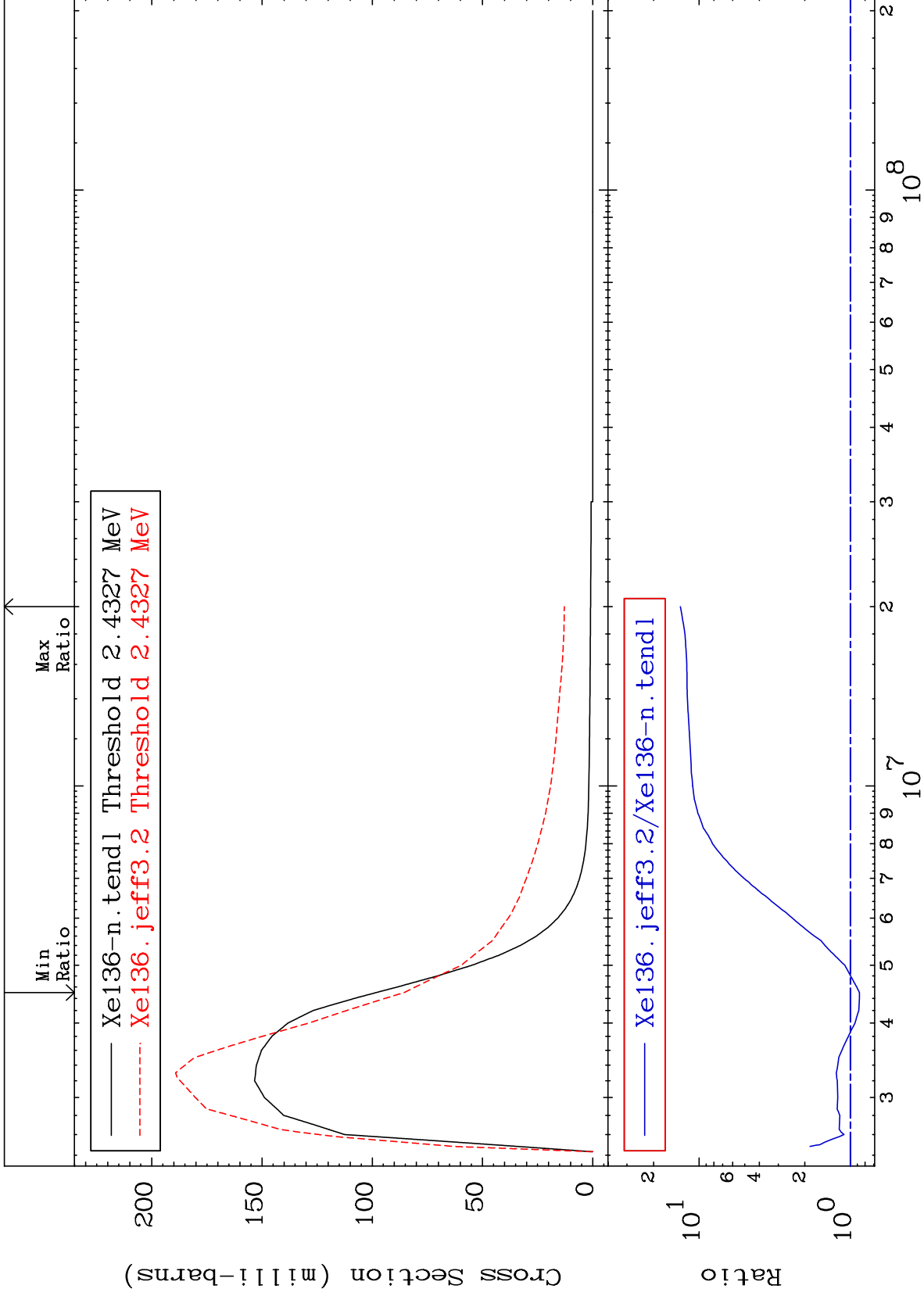
54-Xe-136  
-11.08 To 1231. %



MAT 5461

2.415 MeV (n,n') Level  
Cross Section

54-Xe-136  
-12.91 To 1231. %



14

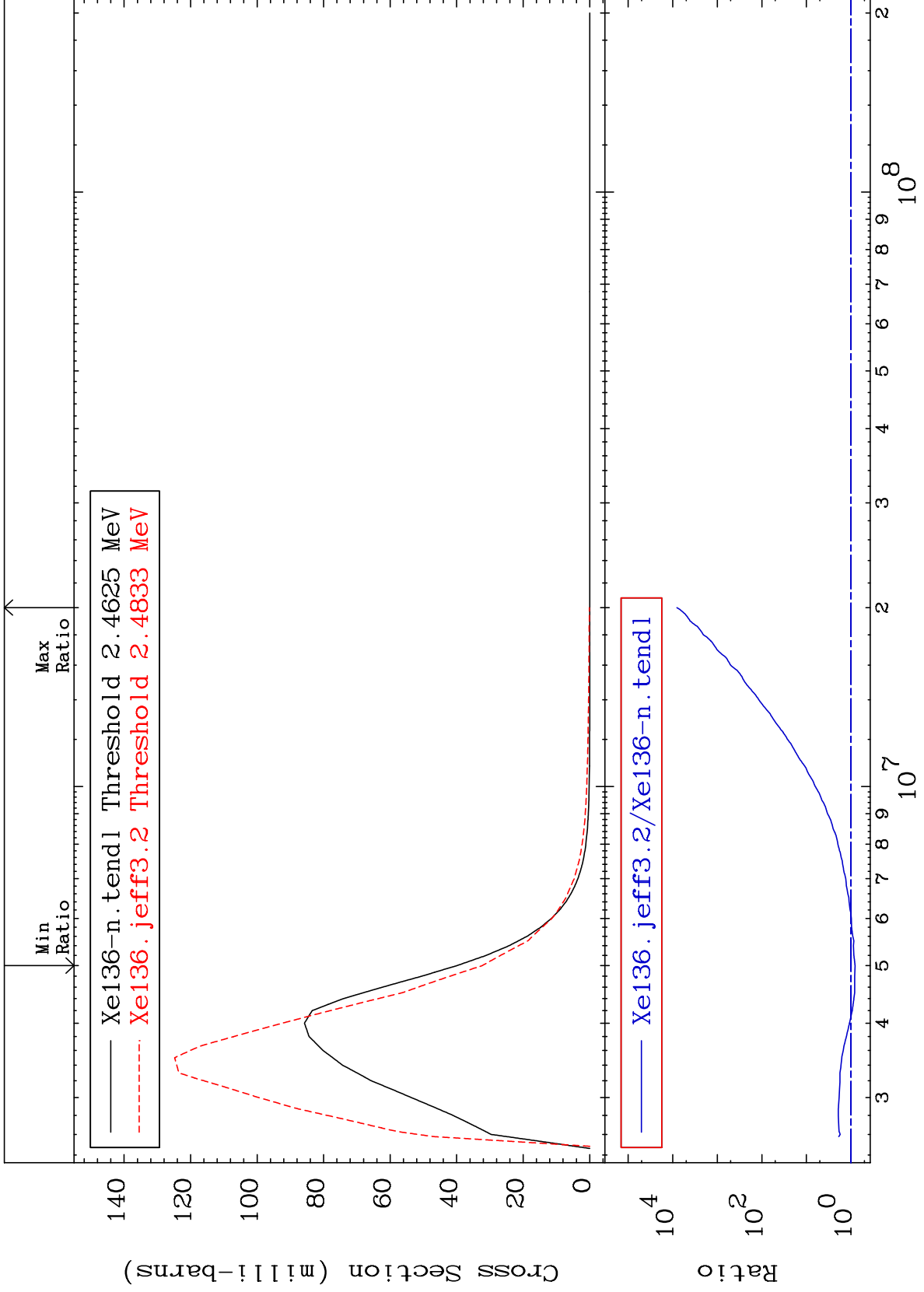
Incident Energy (eV)

54-Xe-136

MAT 5461

2.444 MeV (n,n') Level  
Cross Section

54-Xe-136  
-19.04 To 9999. %



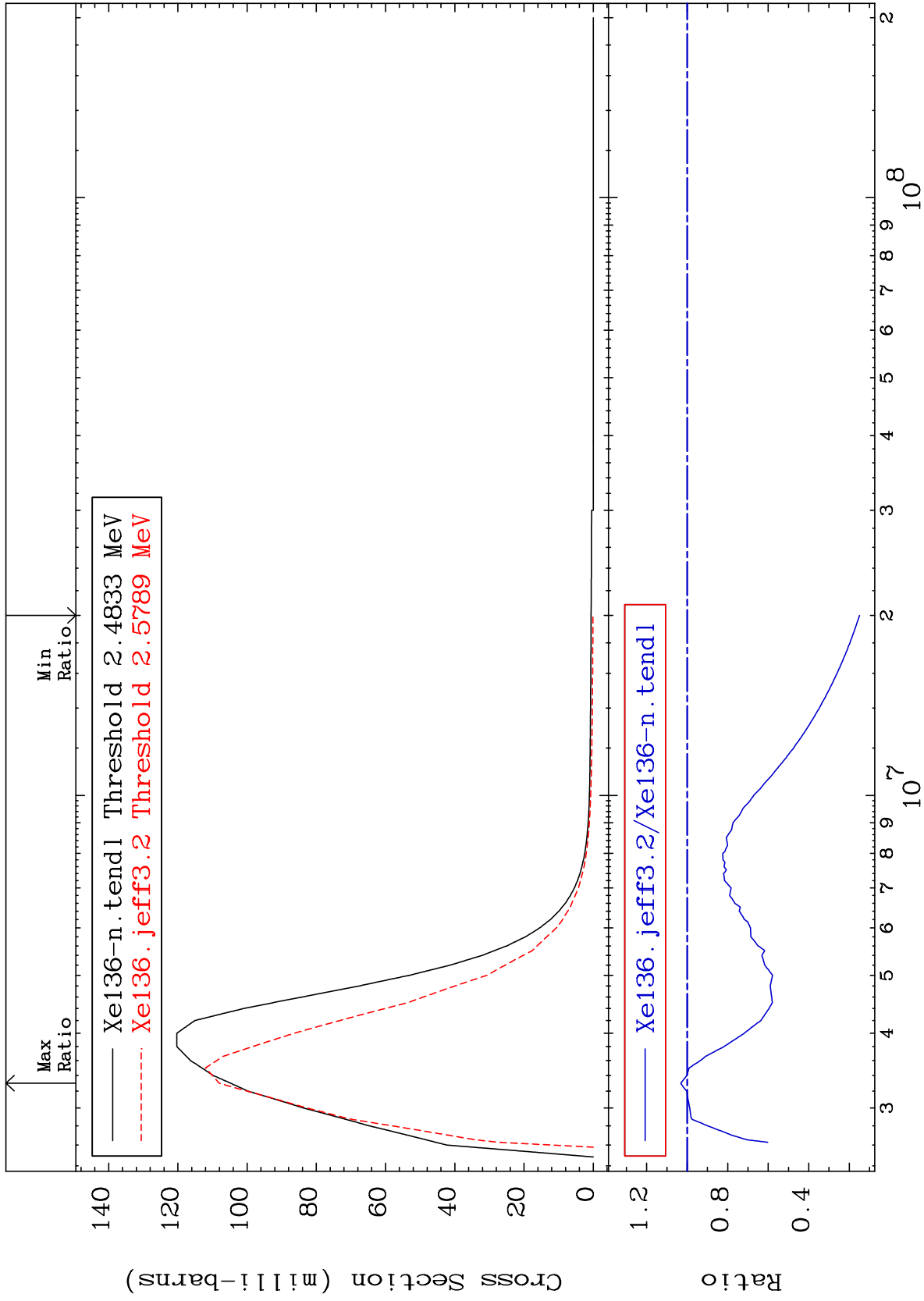
MAT 5461

2.465 MeV (n,n') Level

54-Xe-136

-85.08 To 3.161 %

Cross Section



16

Incident Energy (eV)

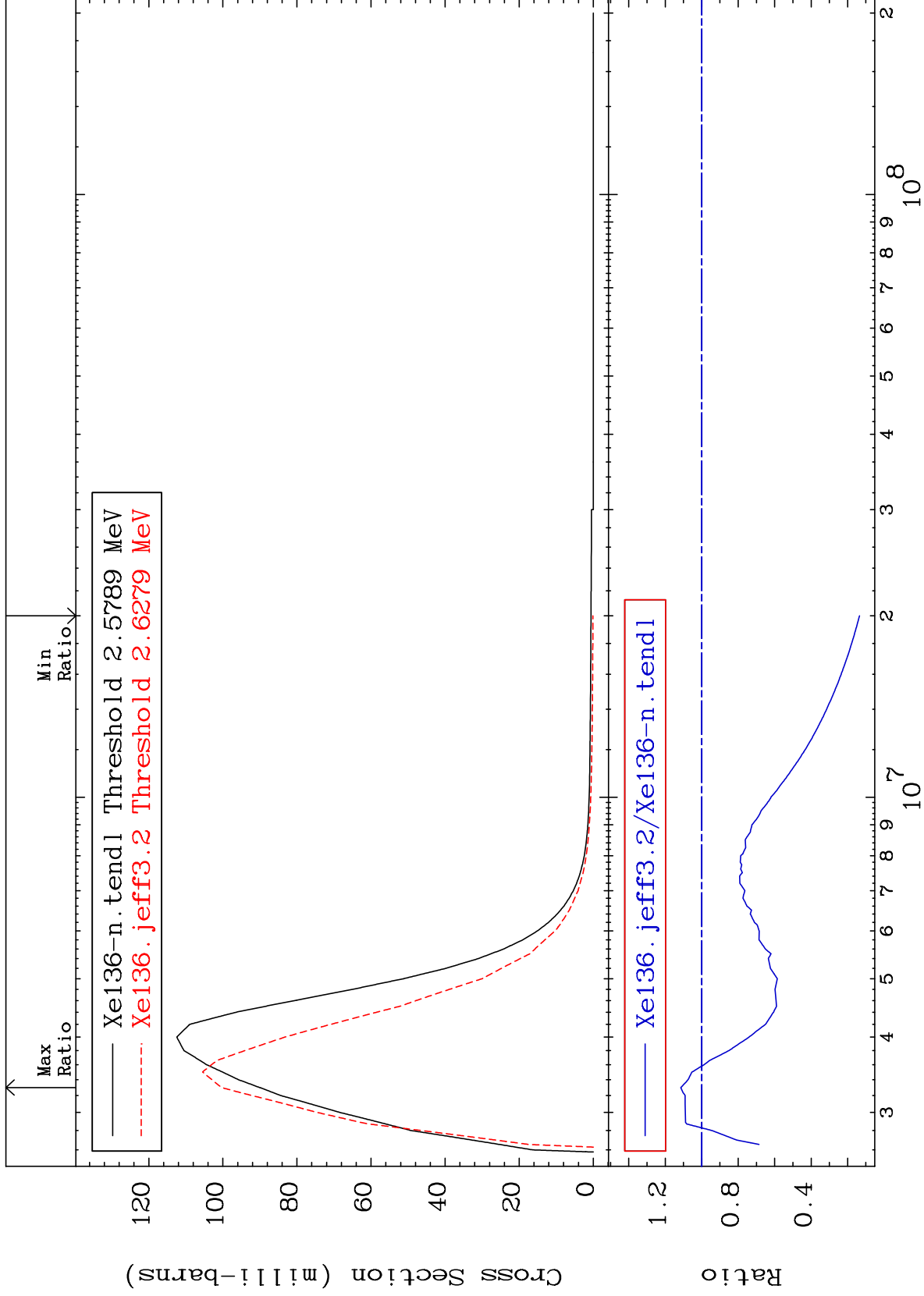
54-Xe-136



MAT 5461

2.560 MeV (n,n') Level  
Cross Section

54-Xe-136  
-86.53 To 11.49 %



17

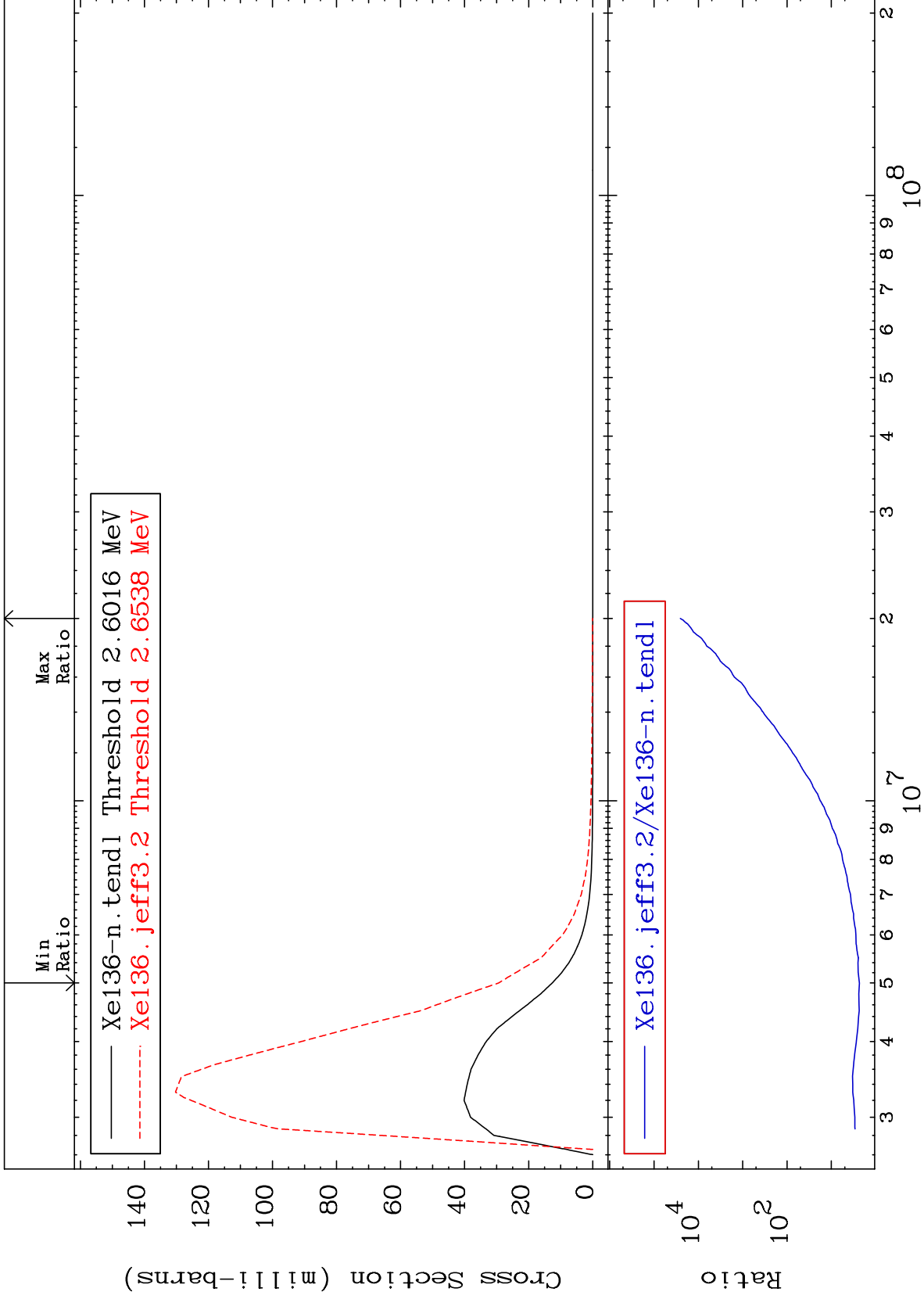
Incident Energy (eV)

54-Xe-136

MAT 5461

2.582 MeV (n,n') Level  
Cross Section

54-Xe-136  
133.0 To 9999. %



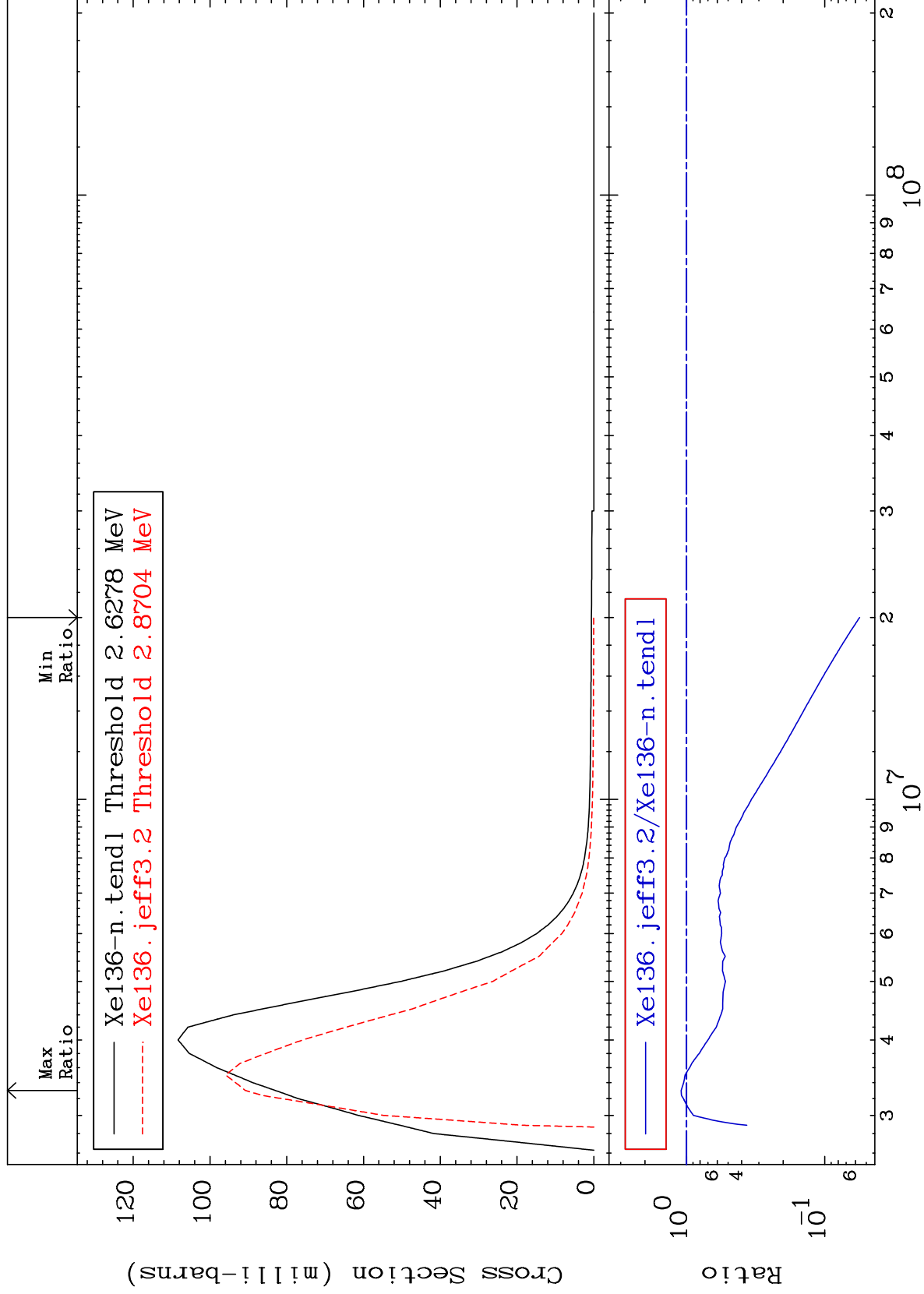
MAT 5461

2.608 MeV (n,n') Level

54-Xe-136

-94.41 To 9.431 %

Cross Section



19

Incident Energy (eV)

54-Xe-136

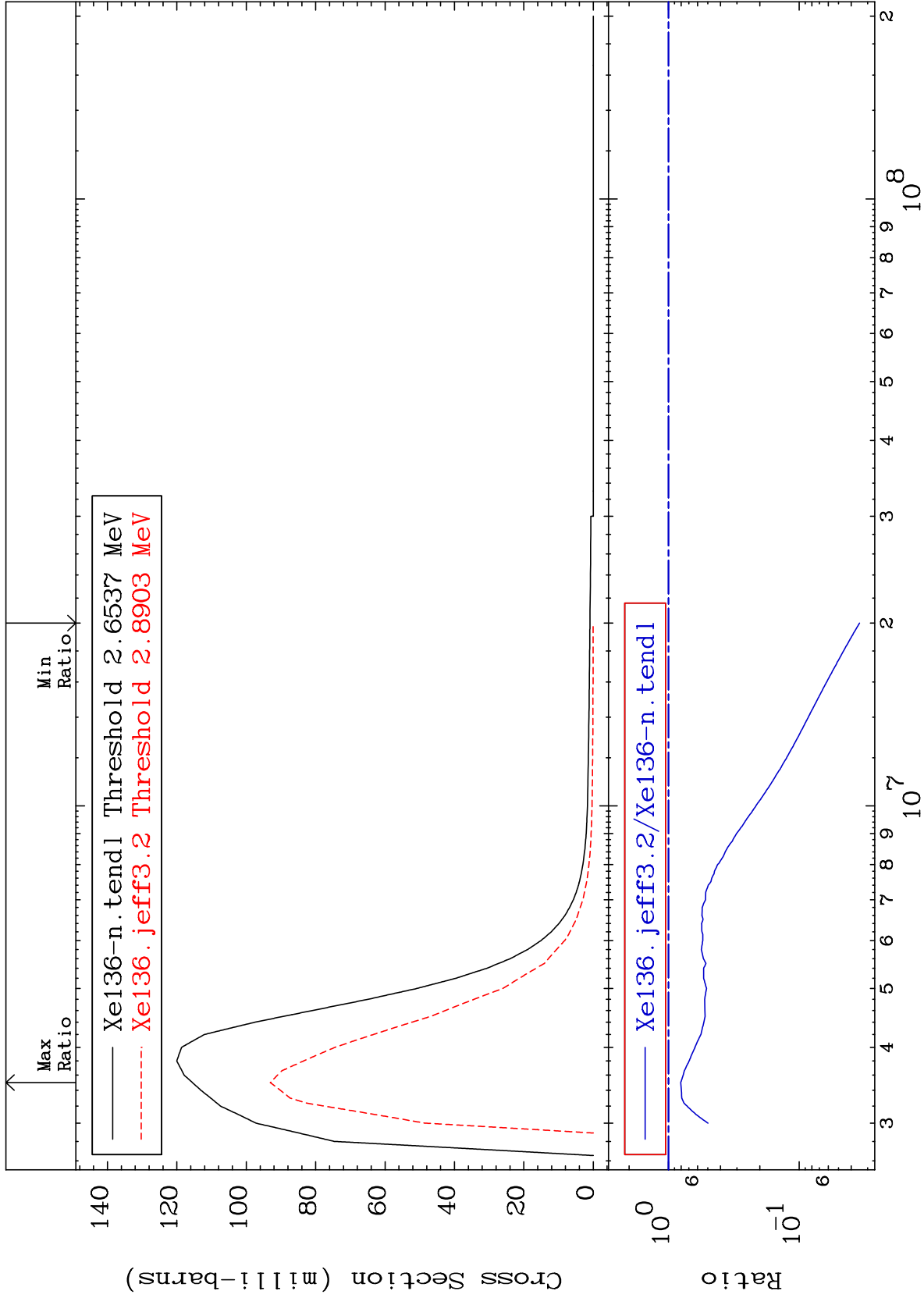
MAT 5461

2.634 MeV (n,n') Level

54-Xe-136

-96.55 To -19.43%

Cross Section



20

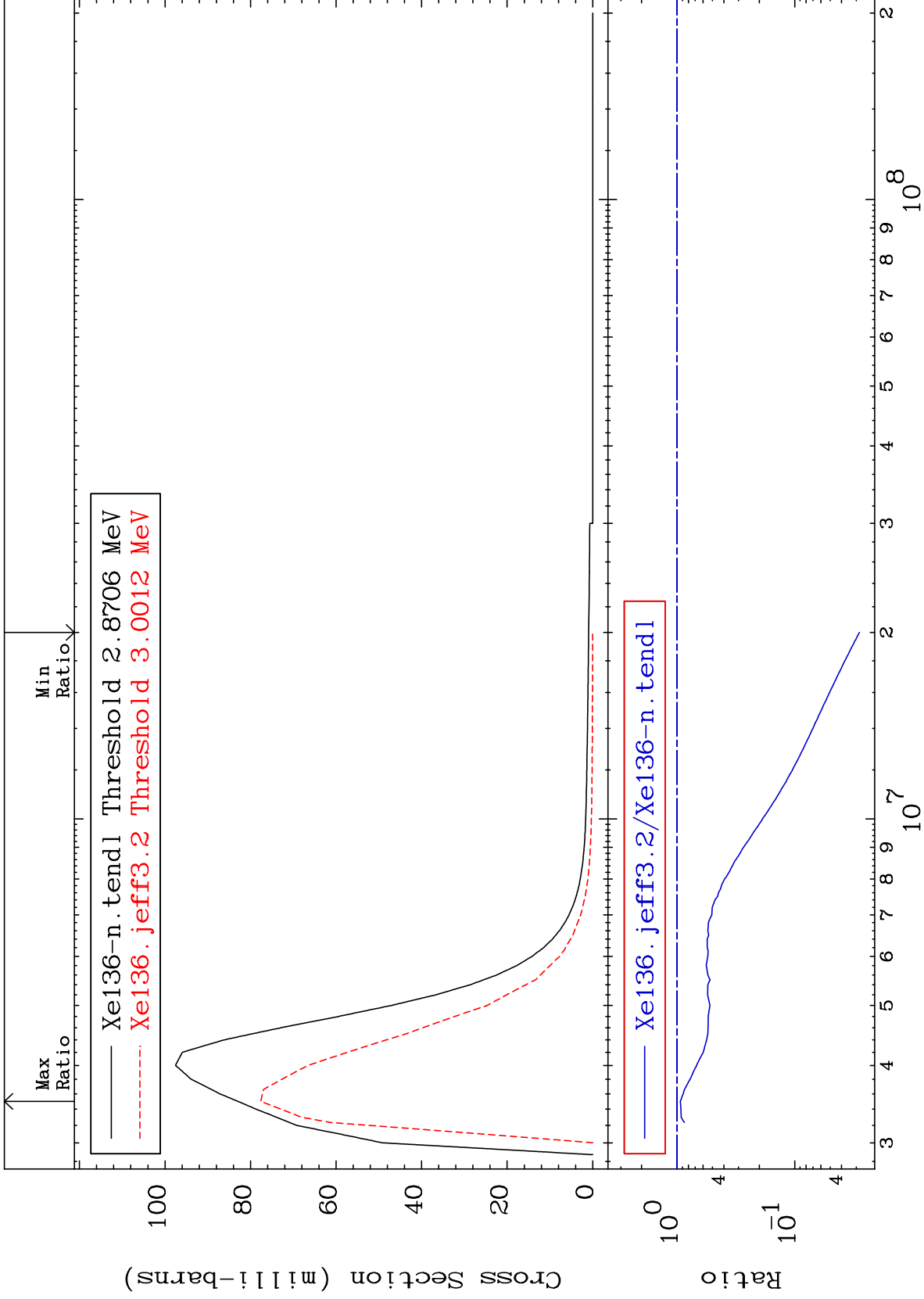
Incident Energy (eV)

54-Xe-136

MAT 5461

2.849 MeV (n,n') Level  
Cross Section

54-Xe-136  
-97.18 To -6.425%



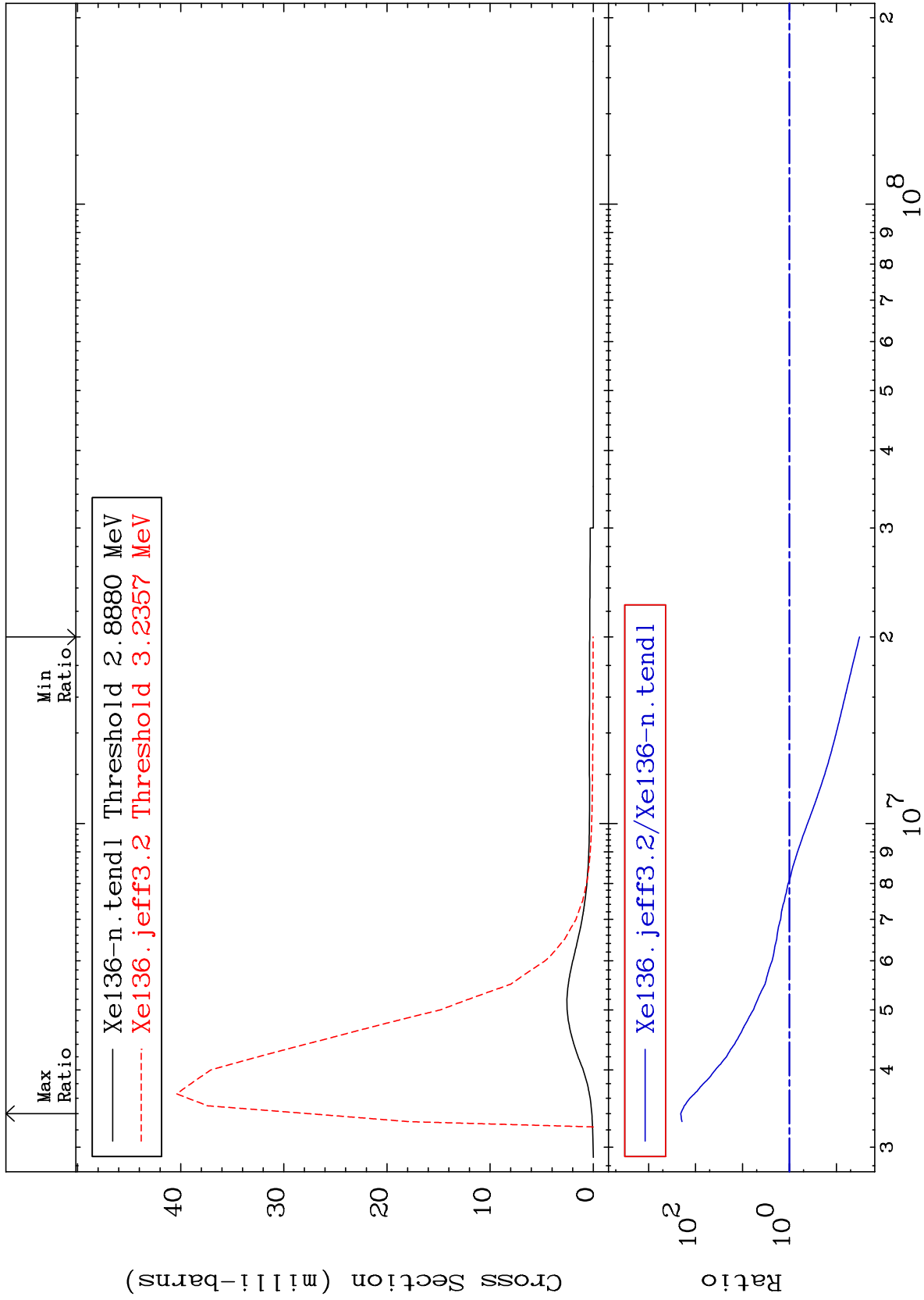
MAT 5461

2.867 MeV (n,n') Level

54-Xe-136

-96.79 To 9999. %

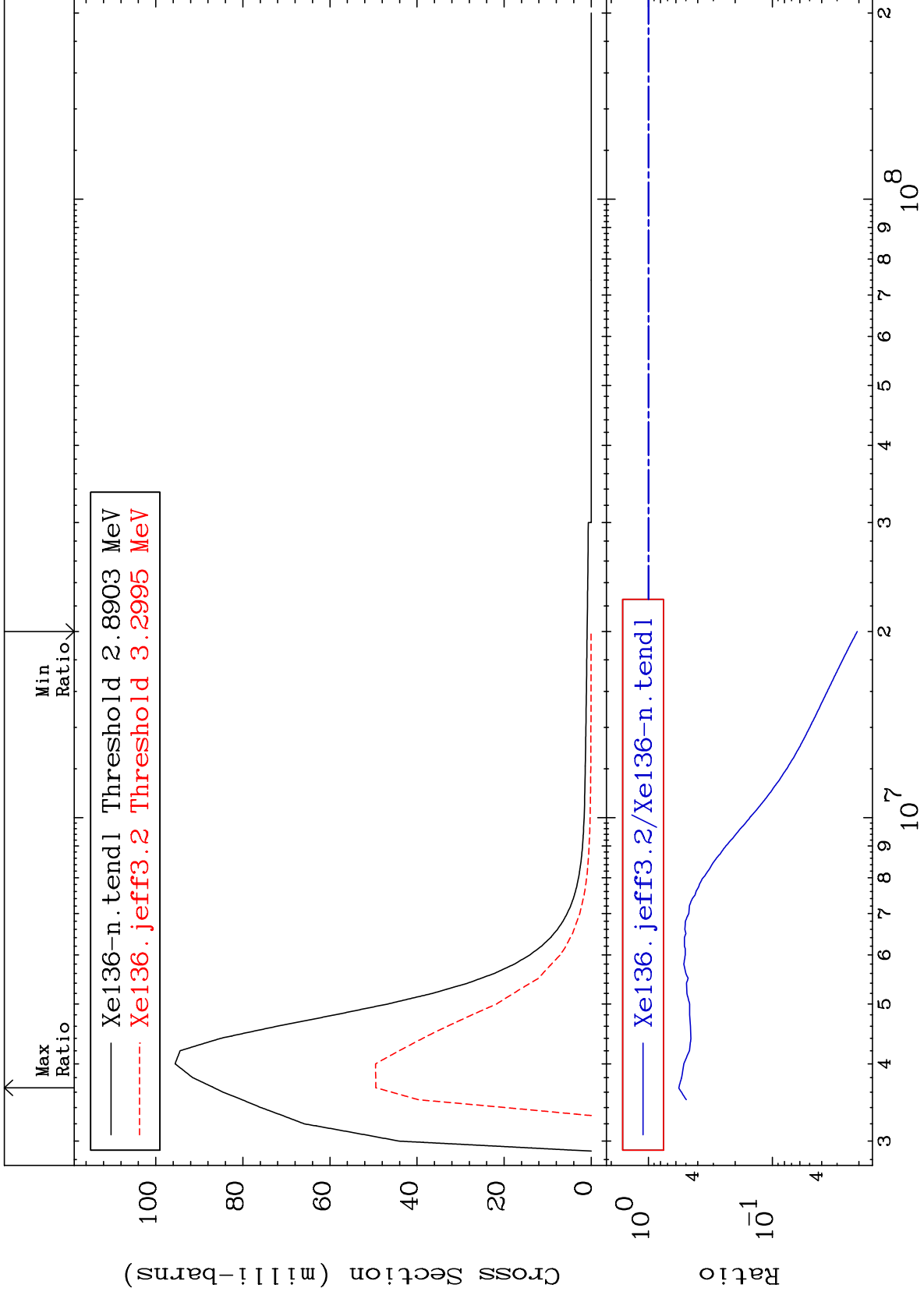
Cross Section

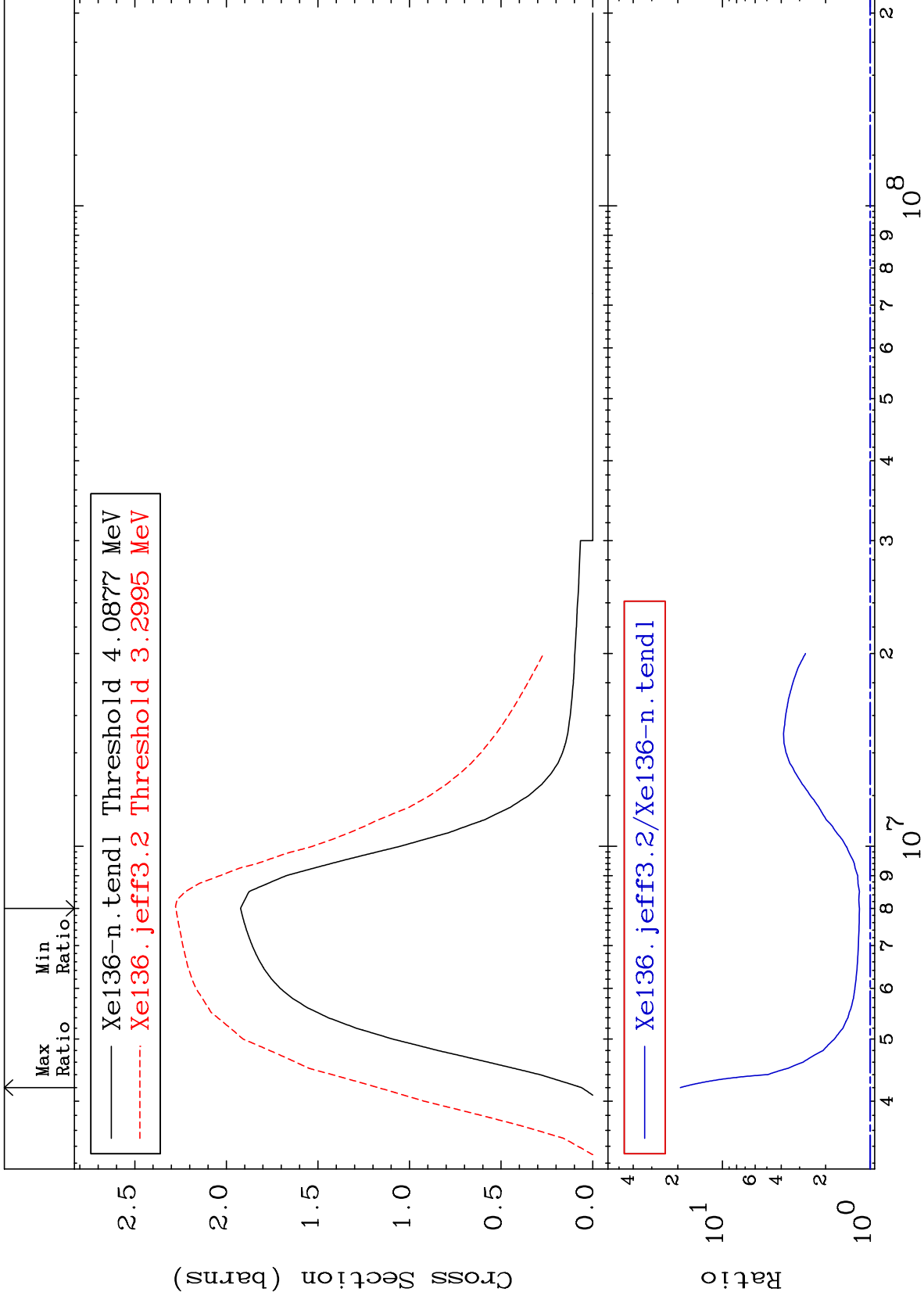


MAT 5461

2.869 MeV (n,n') Level  
Cross Section

54-Xe-136  
-97.94 To -42.91%



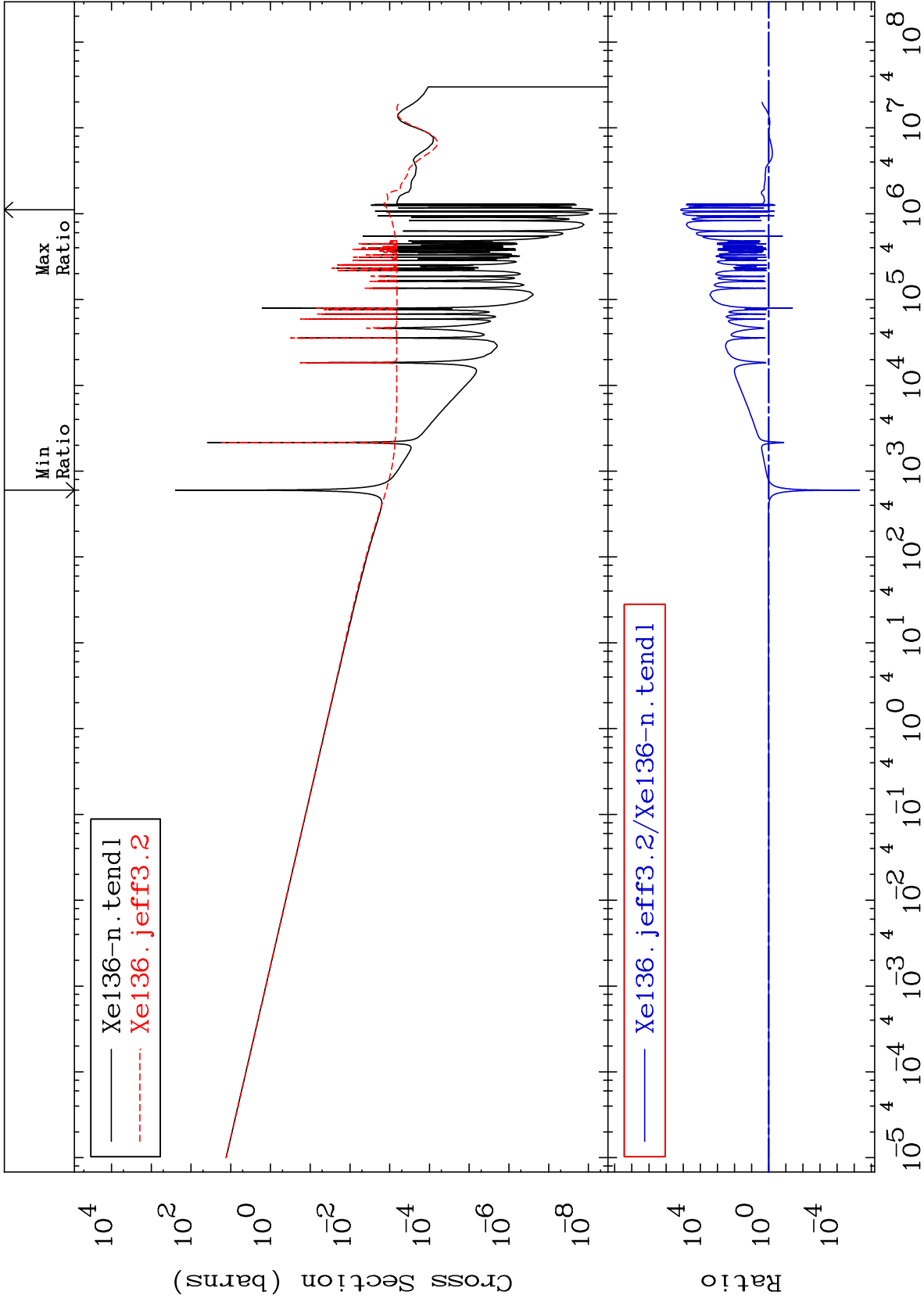




MAT 5461

(n,  $\gamma$ )  
Cross Section

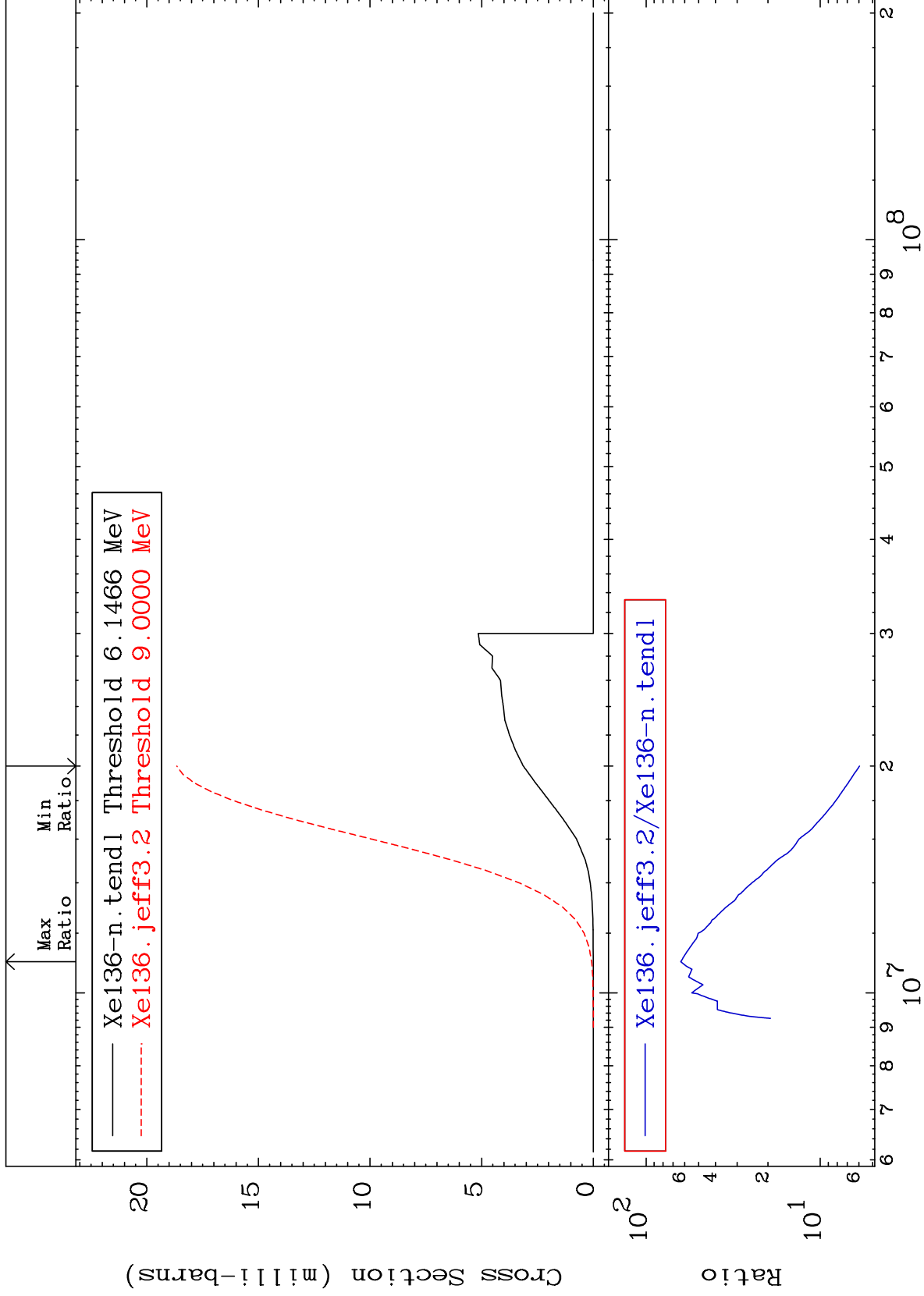
54-Xe-136  
-100.0 To 9999. %



MAT 5461

(n,p)  
Cross Section

54-Xe-136  
495.3 To 6223. %



MAT 5461

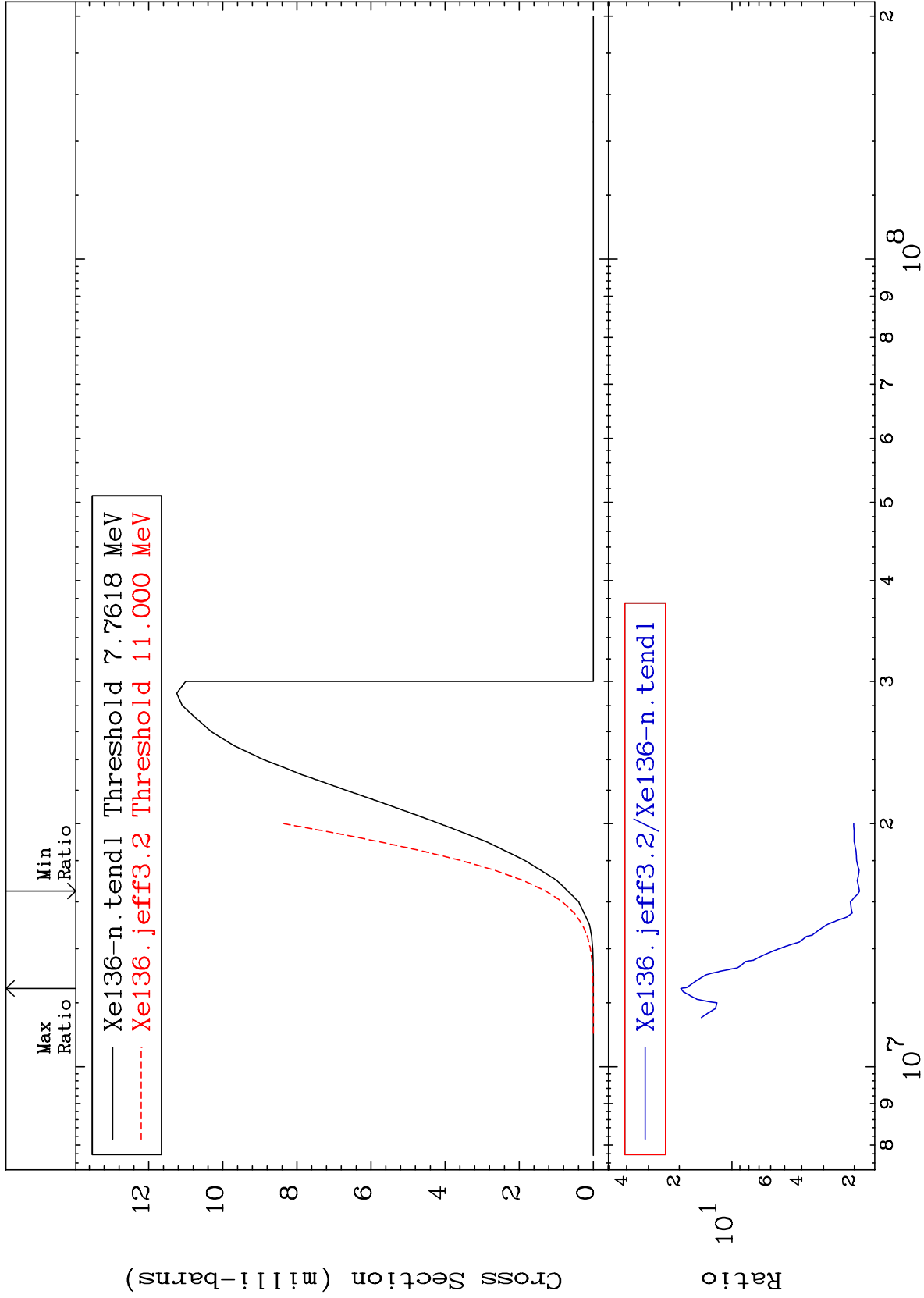
(n, d)

54-Xe-136

Cross Section

86.57

To 1860. %



27

Incident Energy (eV)

54-Xe-136

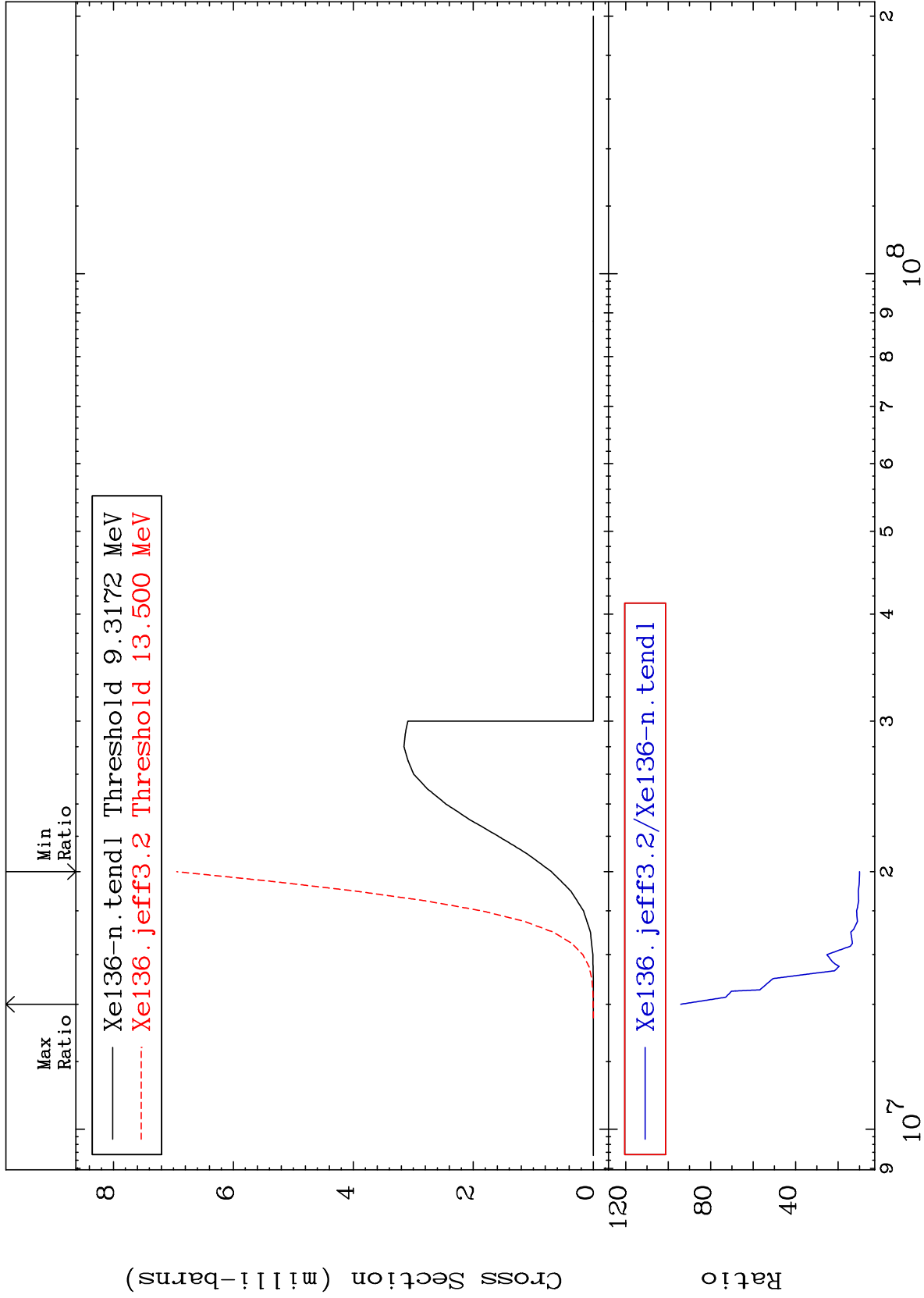
MAT 5461

(n, t)

54-Xe-136

Cross Section

895.5 To 9310. %



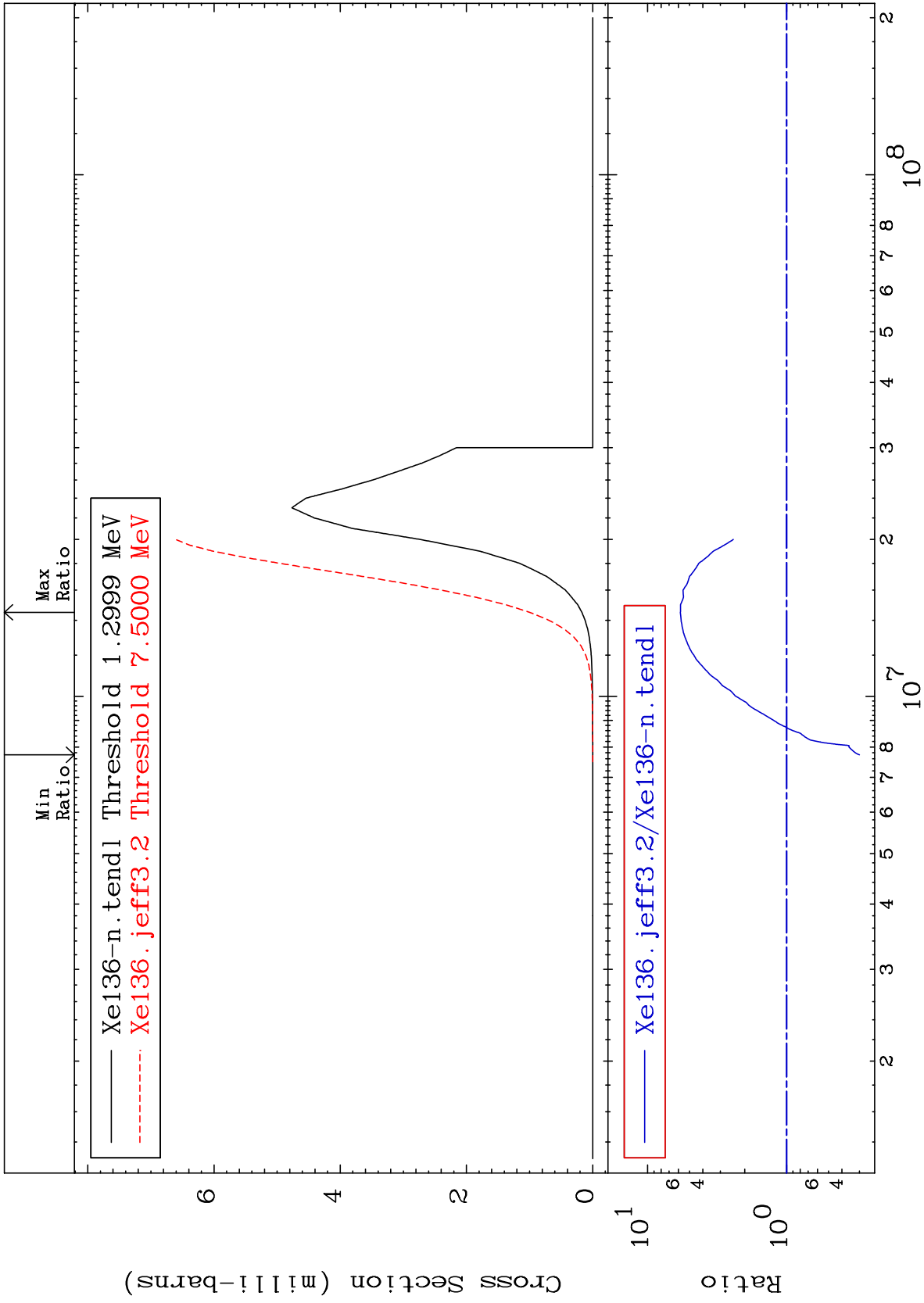
28

Incident Energy (eV)

54-Xe-136

MAT 5461

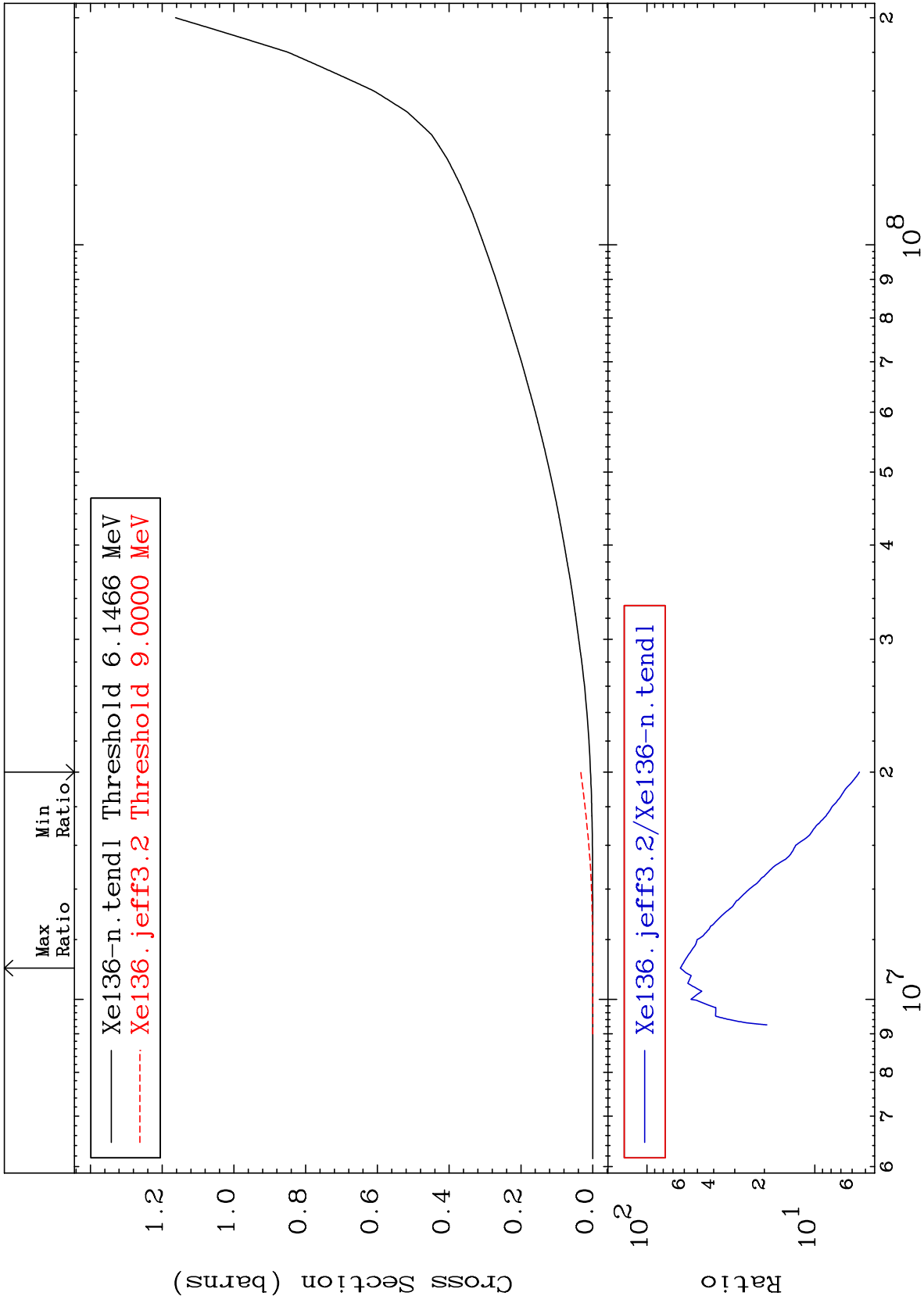
(n,  $\alpha$ )  
Cross Section  
54-Xe-136  
-70.04 To 481.1 %



MAT 5461

Hydrogen Production  
Cross Section

54-Xe-136  
442.9 To 6223. %



30

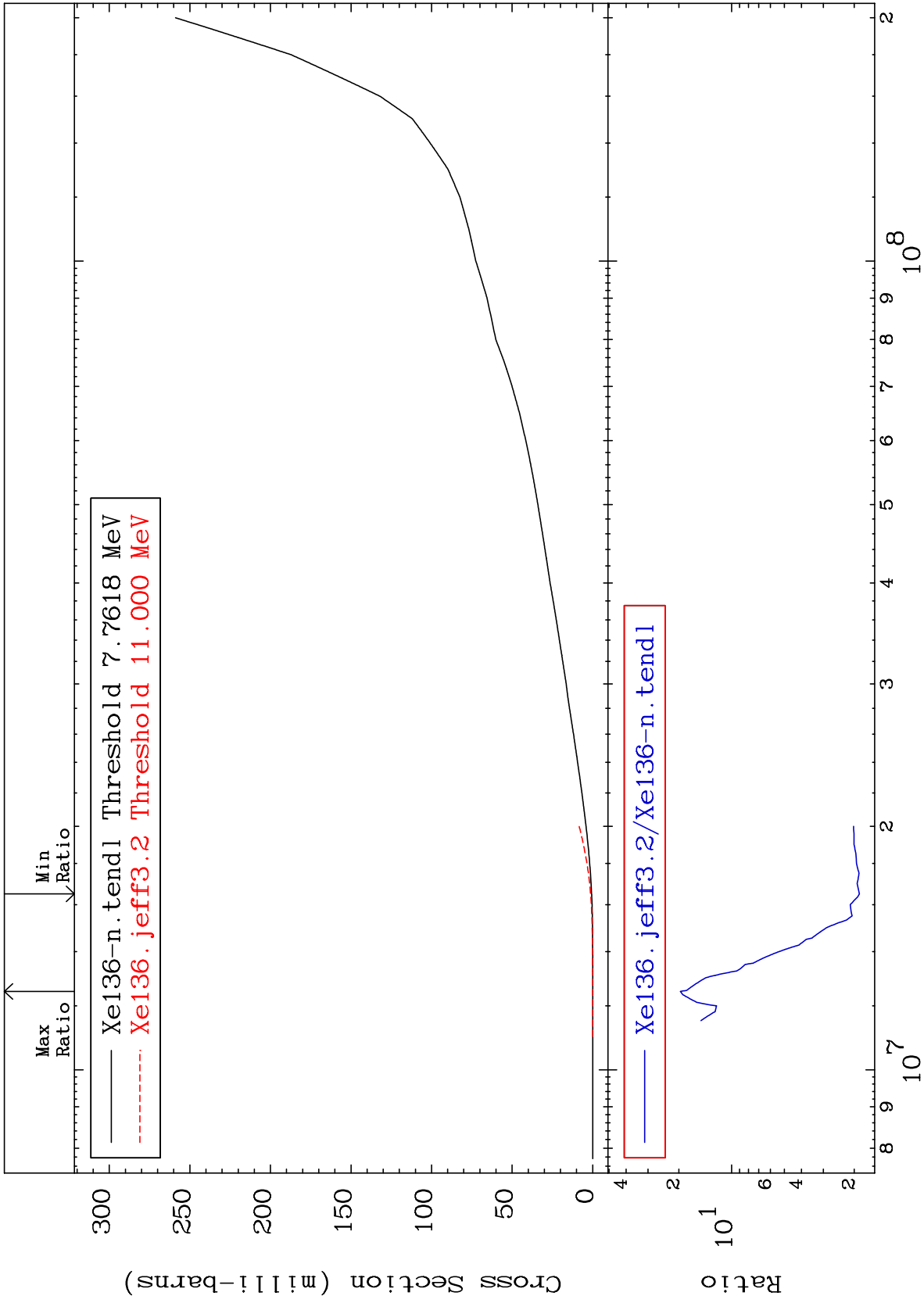
Incident Energy (eV)

54-Xe-136

MAT 5461

Deuterium Production  
Cross Section

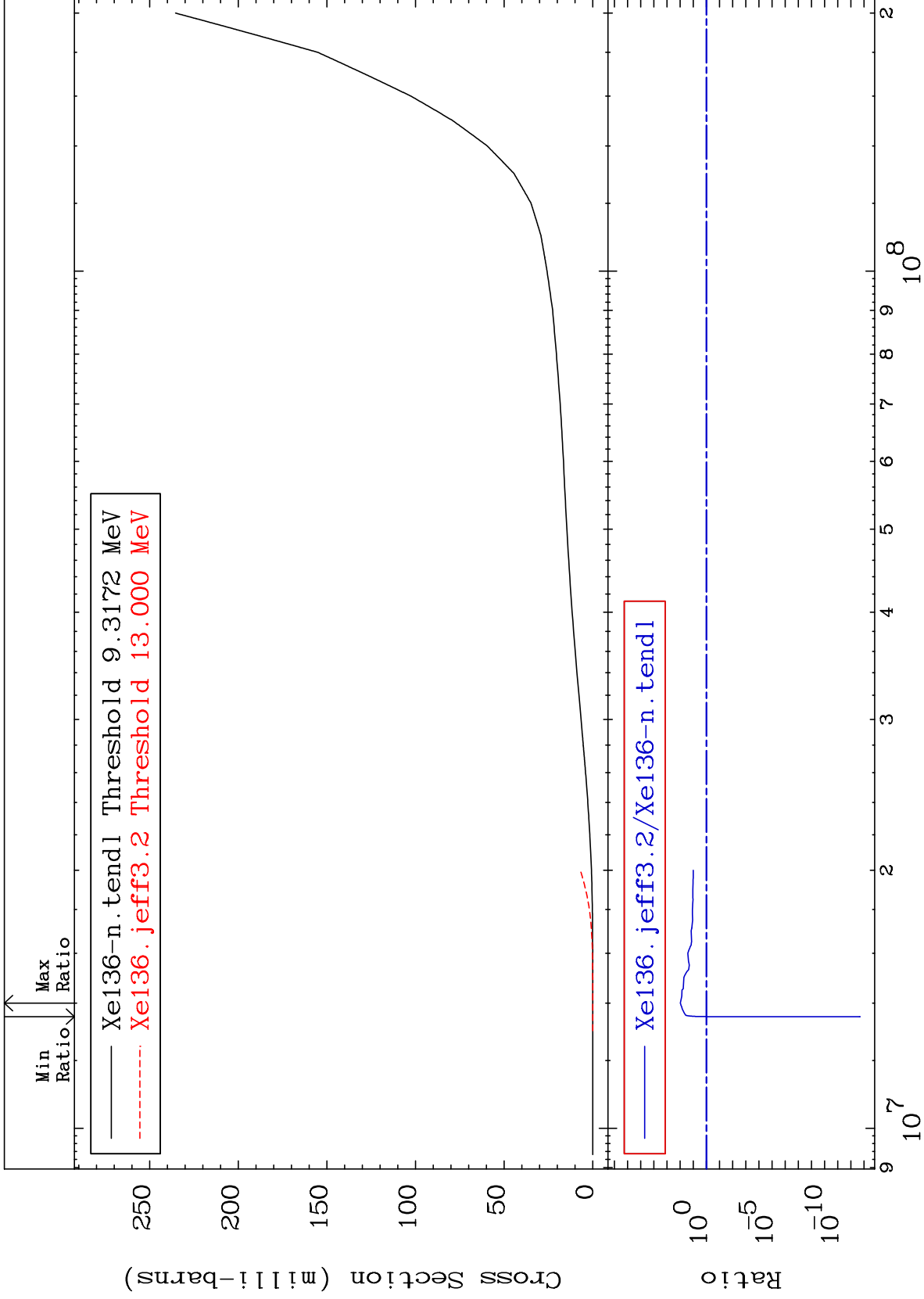
54-Xe-136  
86.57 To 1860. %



MAT 5461

Tritium Production  
Cross Section

54-Xe-136  
-100.0 To 9310. %



32

Incident Energy (eV)

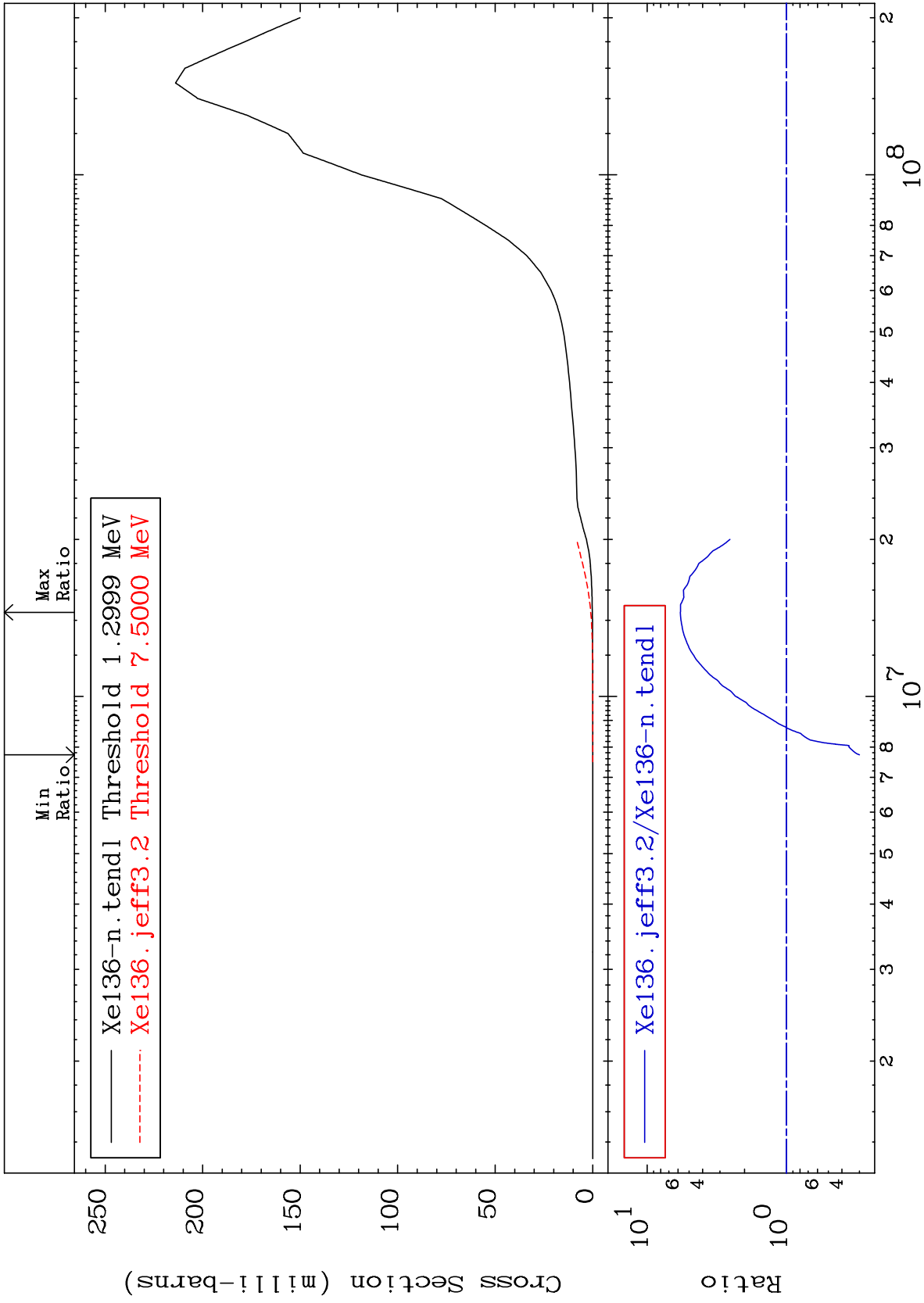
54-Xe-136



MAT 5461

He-4 Production  
Cross Section

54-Xe-136  
-70.04 To 477.9 %



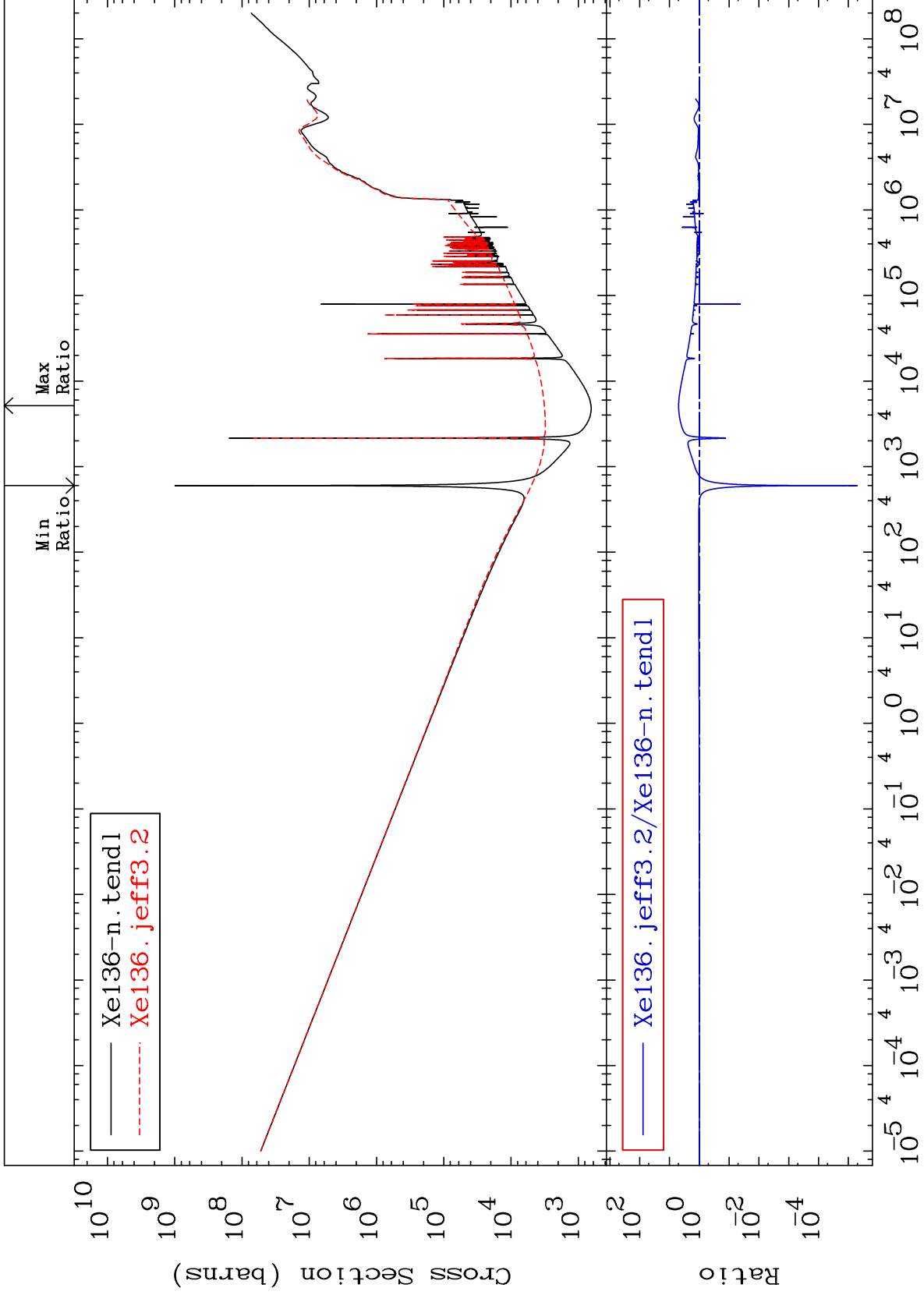
MAT 5461

Kerma total (eV-barns)

54-Xe-136

Cross Section

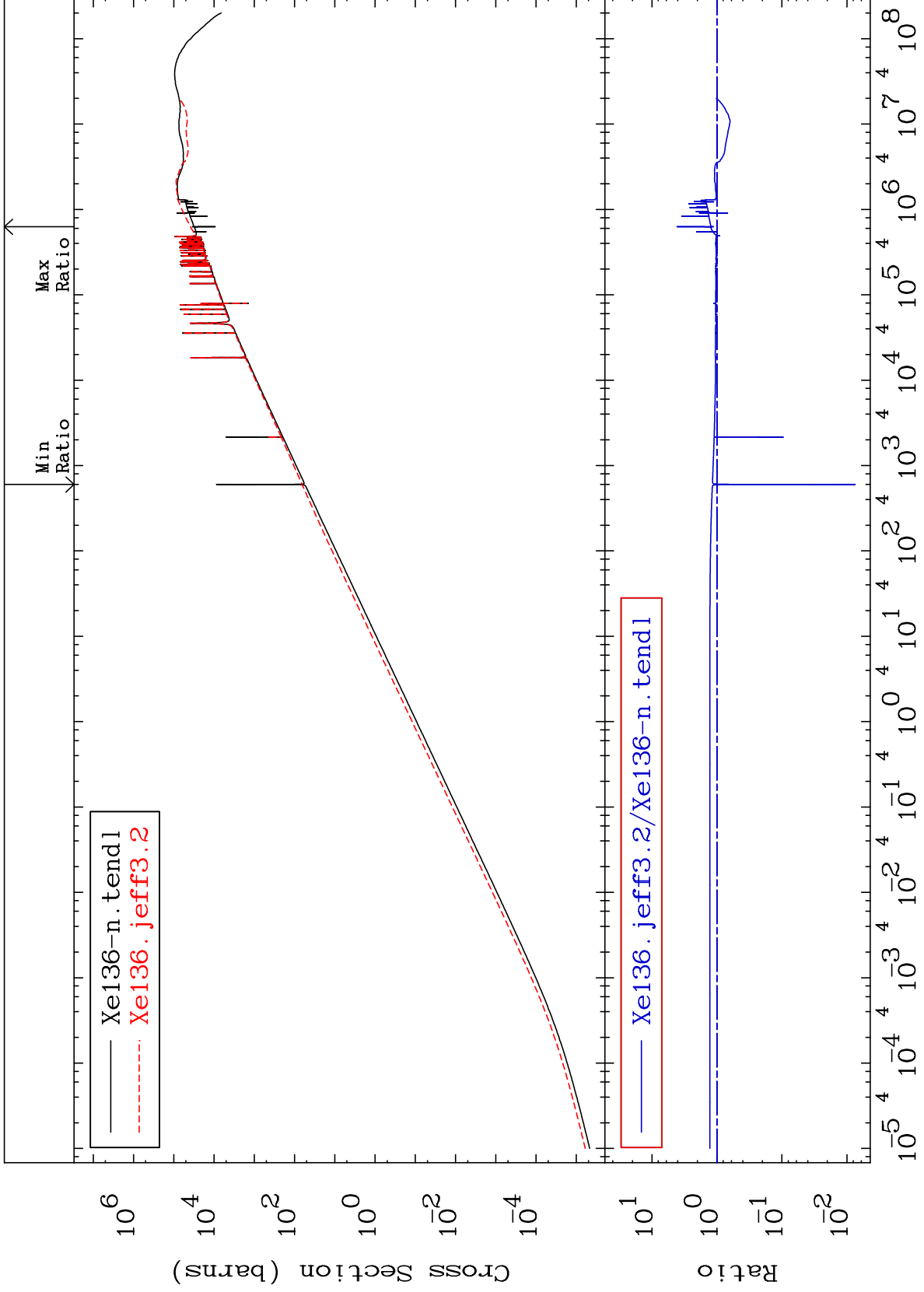
-100.0 To 393.8 %



MAT 5461

Kerma elastic  
Cross Section

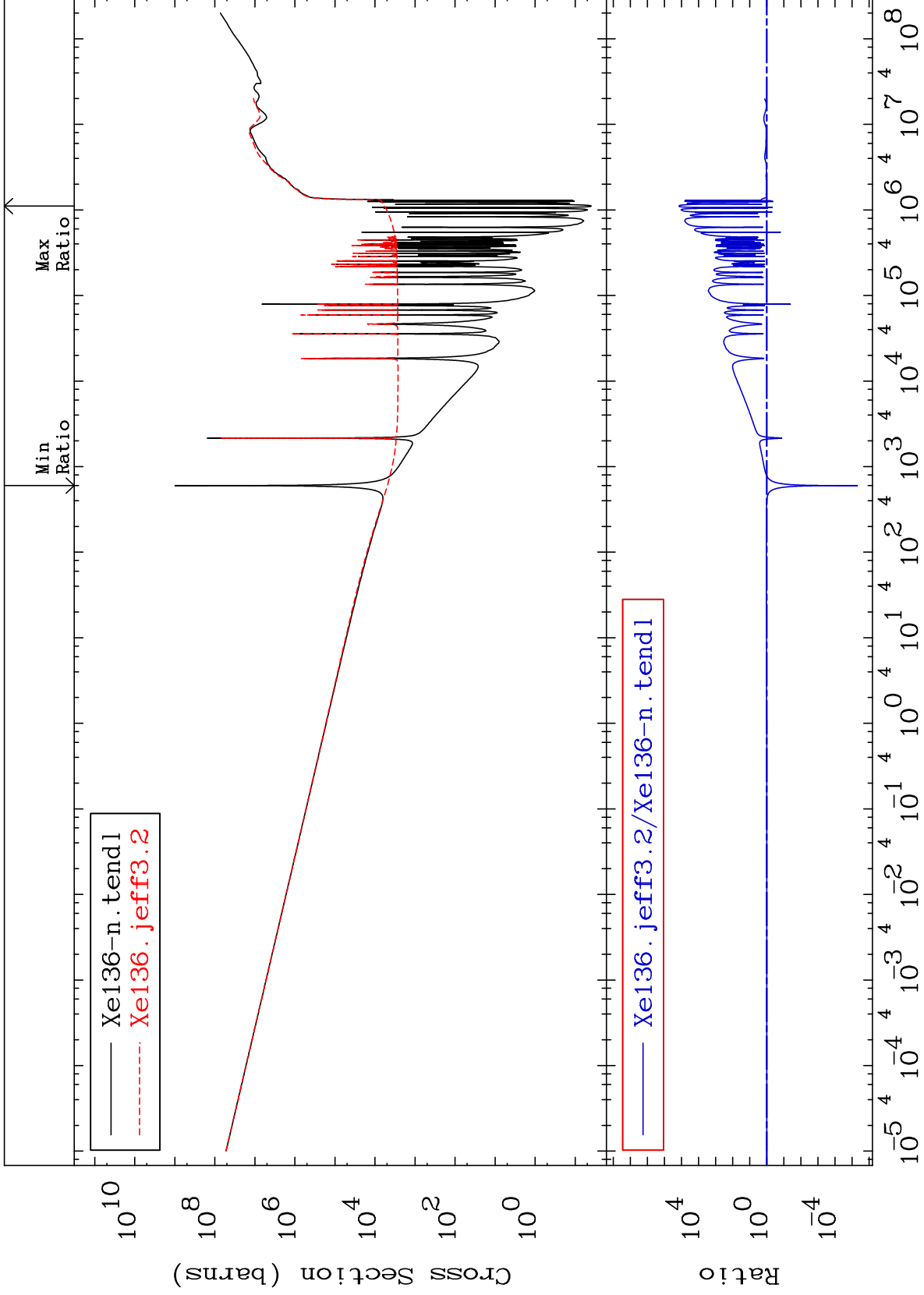
54-Xe-136  
-99.25 To 312.7 %



MAT 5461

Kerma non-elastic (all but mt2)  
Cross Section

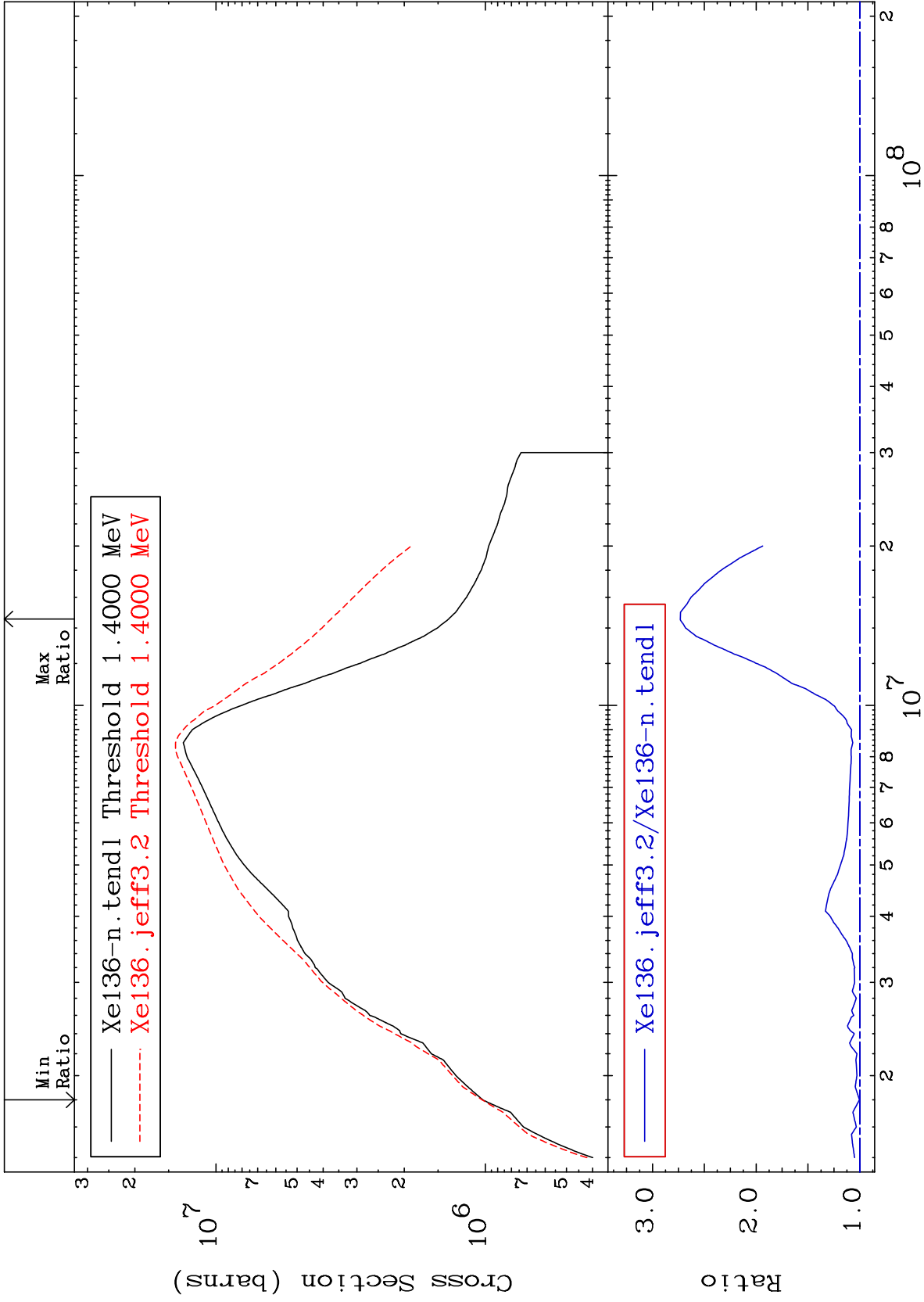
54-Xe-136  
-100.0 To 9999. %



MAT 5461

Kerma inelastic (mt51-91)  
Cross Section

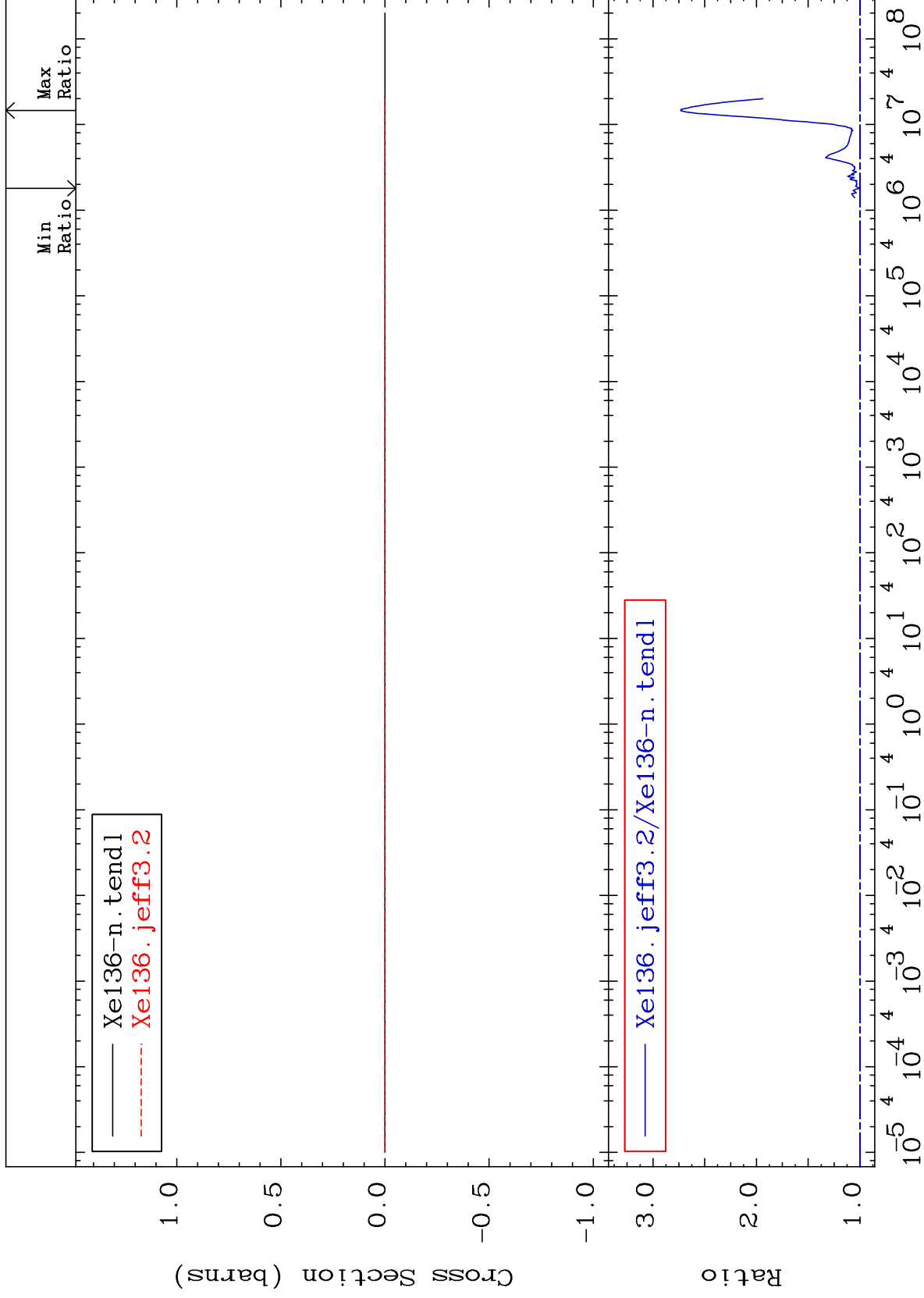
54-Xe-136  
0.414 To 173.2 %



MAT 5461

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

54-Xe-136  
0.414 To 173.2 %



38

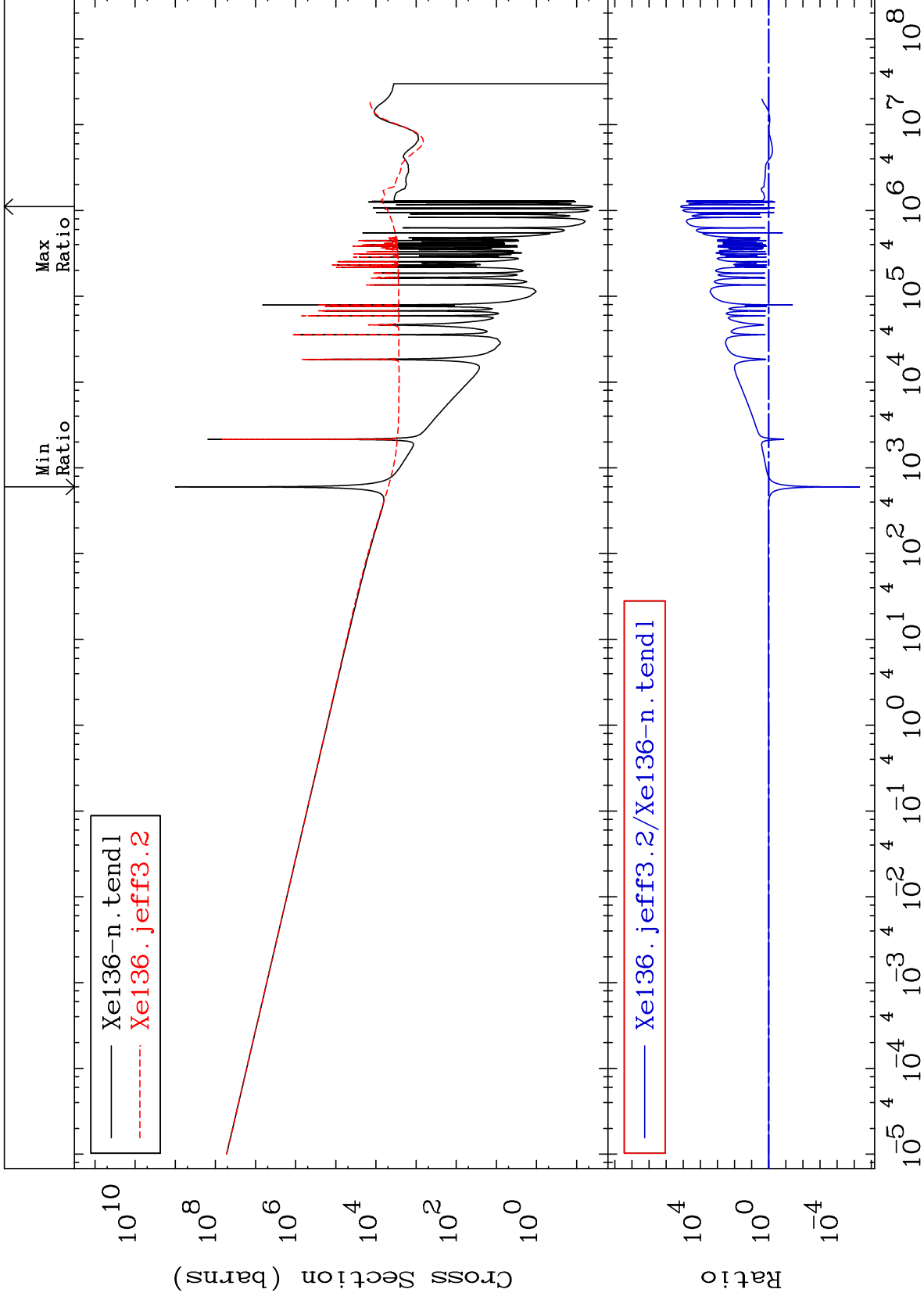
Incident Energy (eV)

54-Xe-136

MAT 5461

Kerma capture (mt102)  
Cross Section

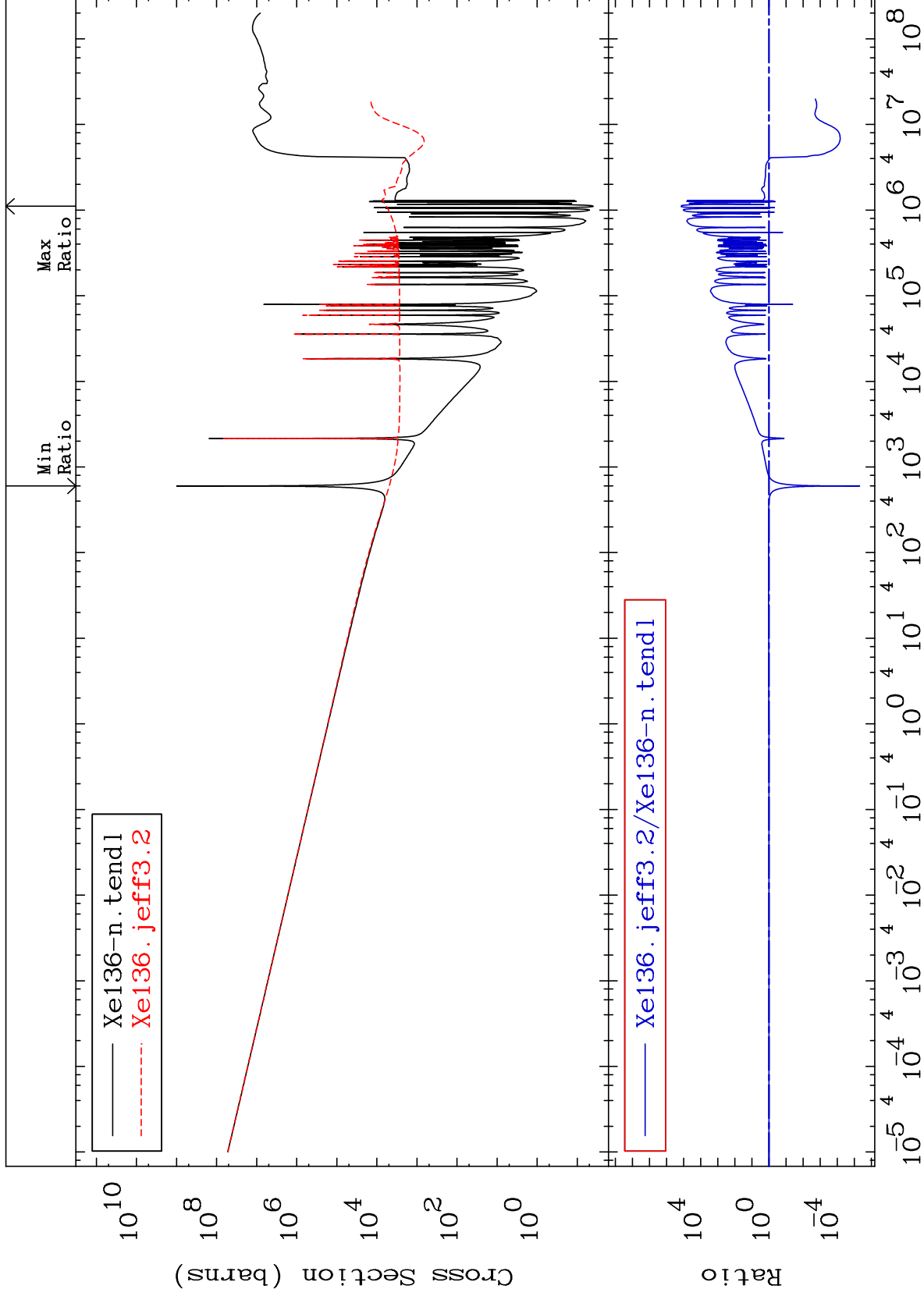
54-Xe-136  
-100.0 To 9999. %



MAT 5461

Total photon (eV-barns)  
Cross Section

54-Xe-136  
-100.0 To 9999. %



40

Incident Energy (eV)

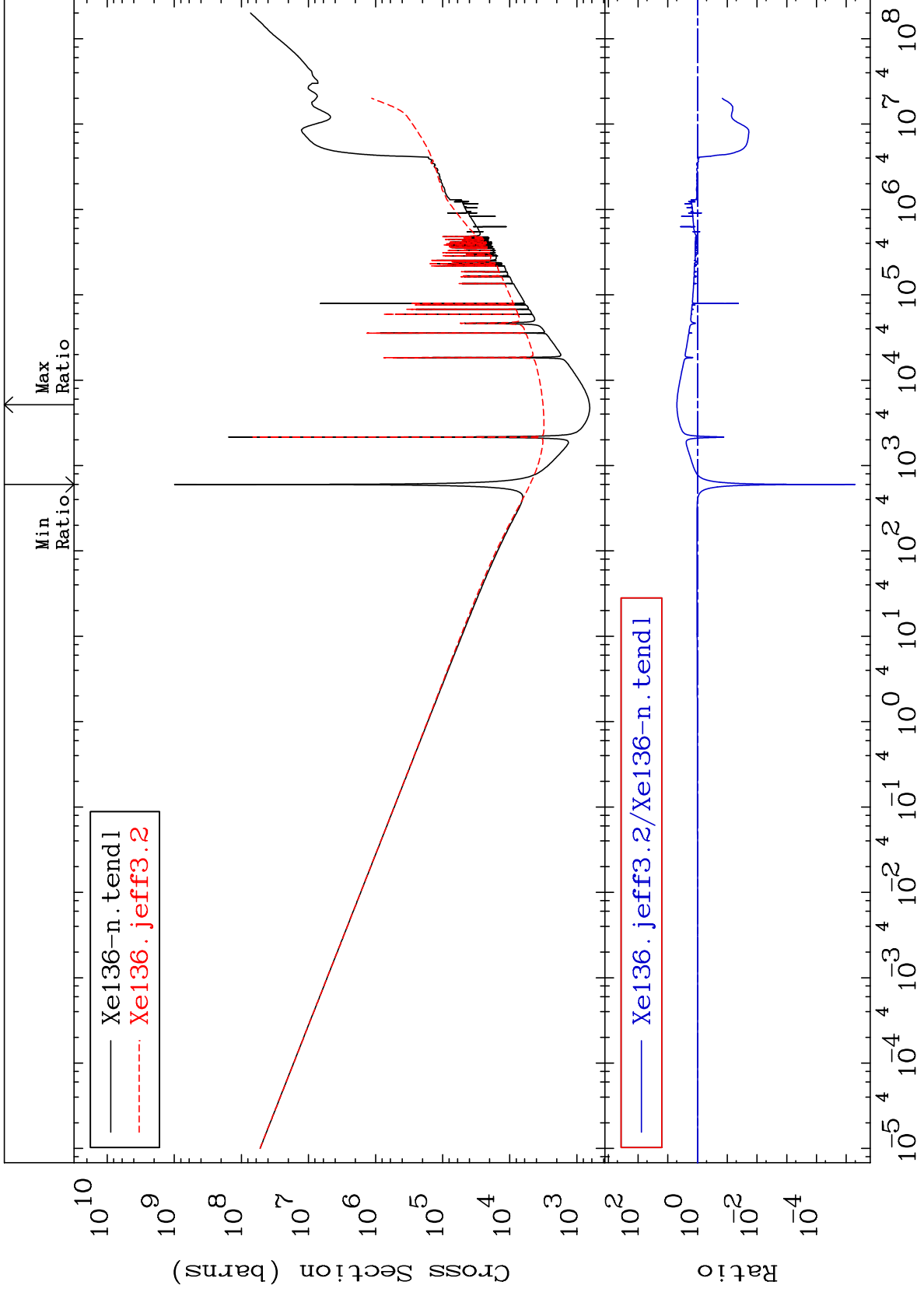
54-Xe-136



MAT 5461

Total kinematic kerma (high limit)  
Cross Section

54-Xe-136  
-100.0 To 393.8 %



41

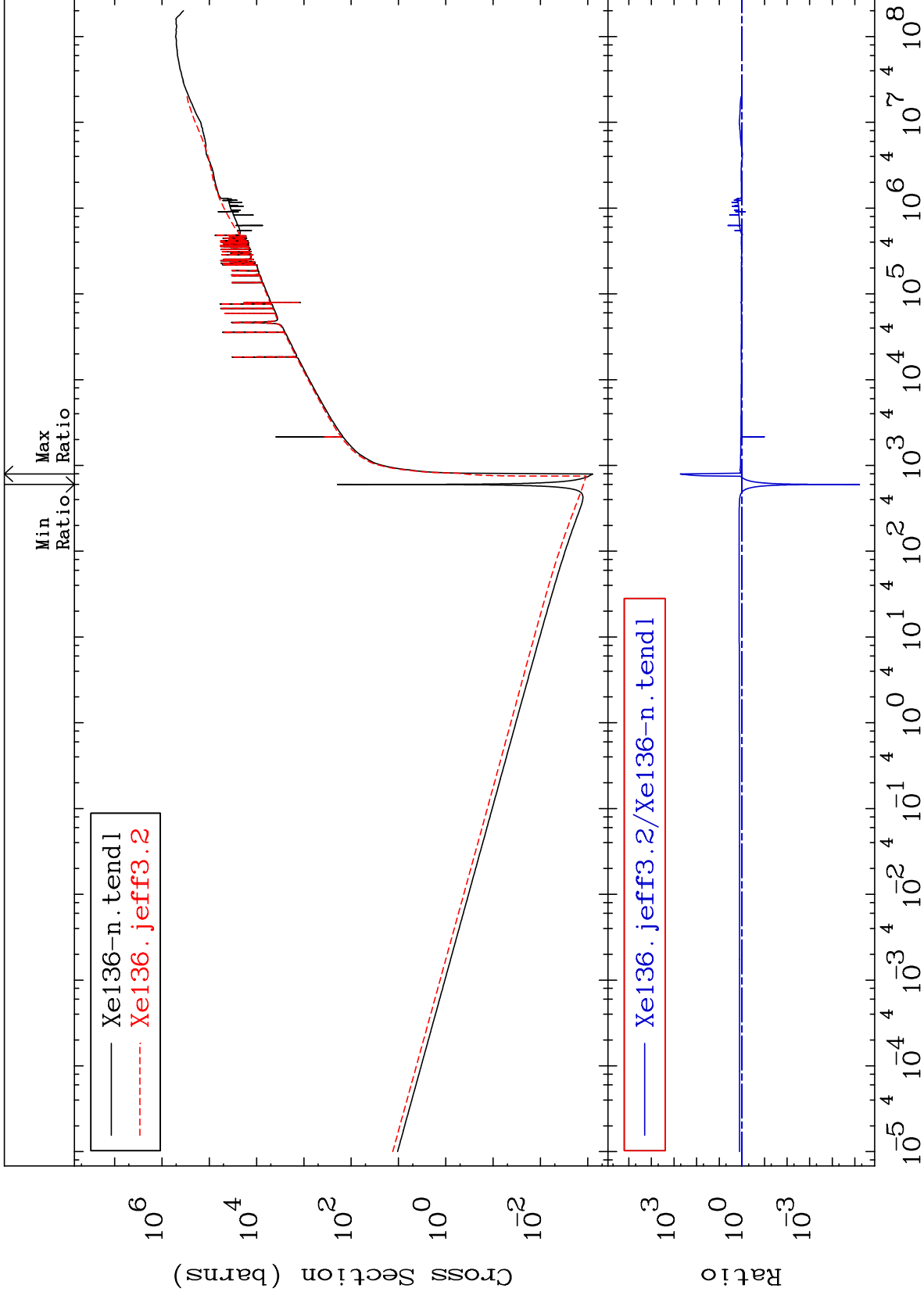
Incident Energy (eV)

54-Xe-136

MAT 5461

Dpa total (eV-barns)  
Cross Section

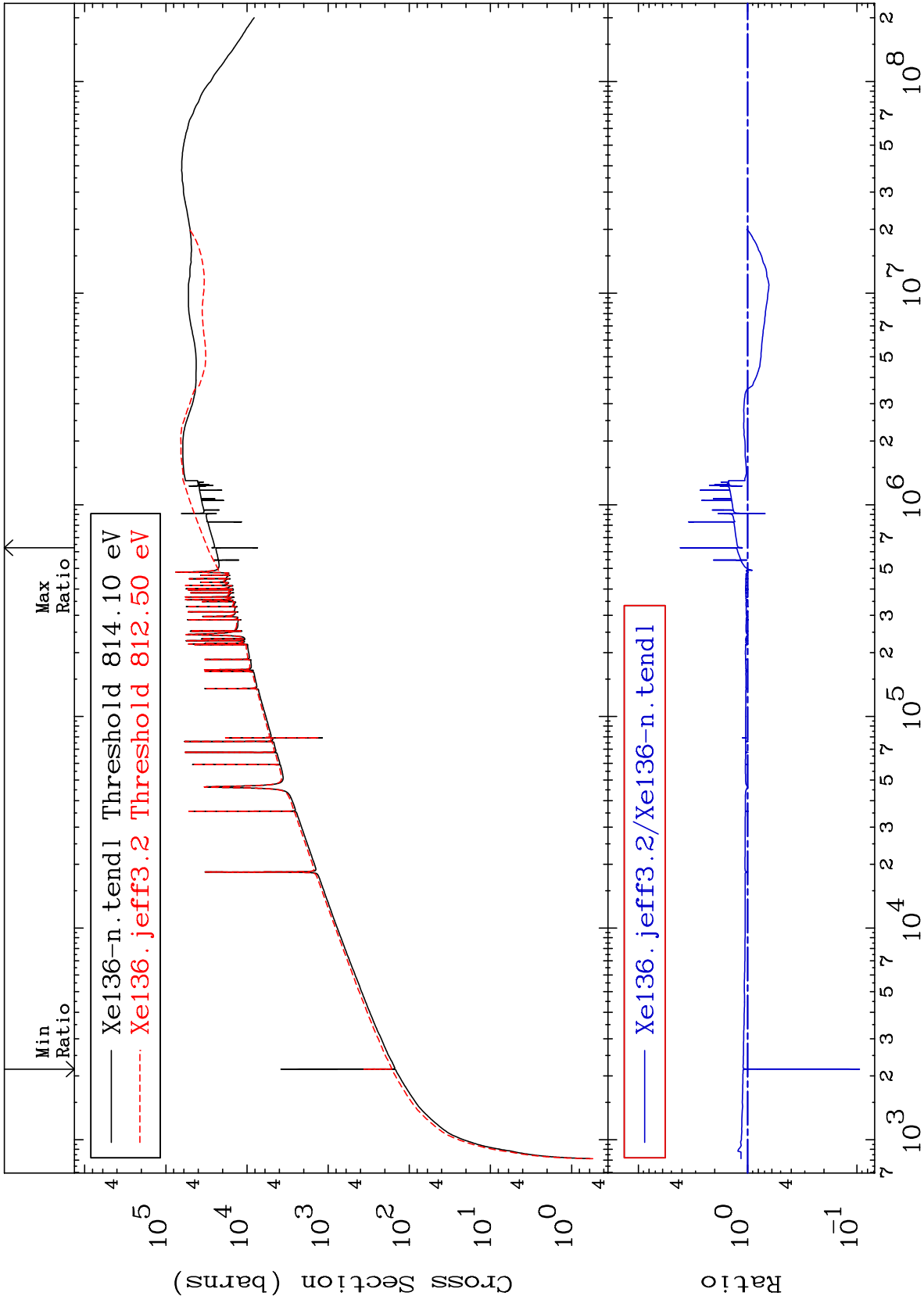
54-Xe-136  
-100.0 To 9999. %



MAT 5461

Dpa elastic (mt2)  
Cross Section

54-Xe-136  
-90.51 To 313.4 %



43

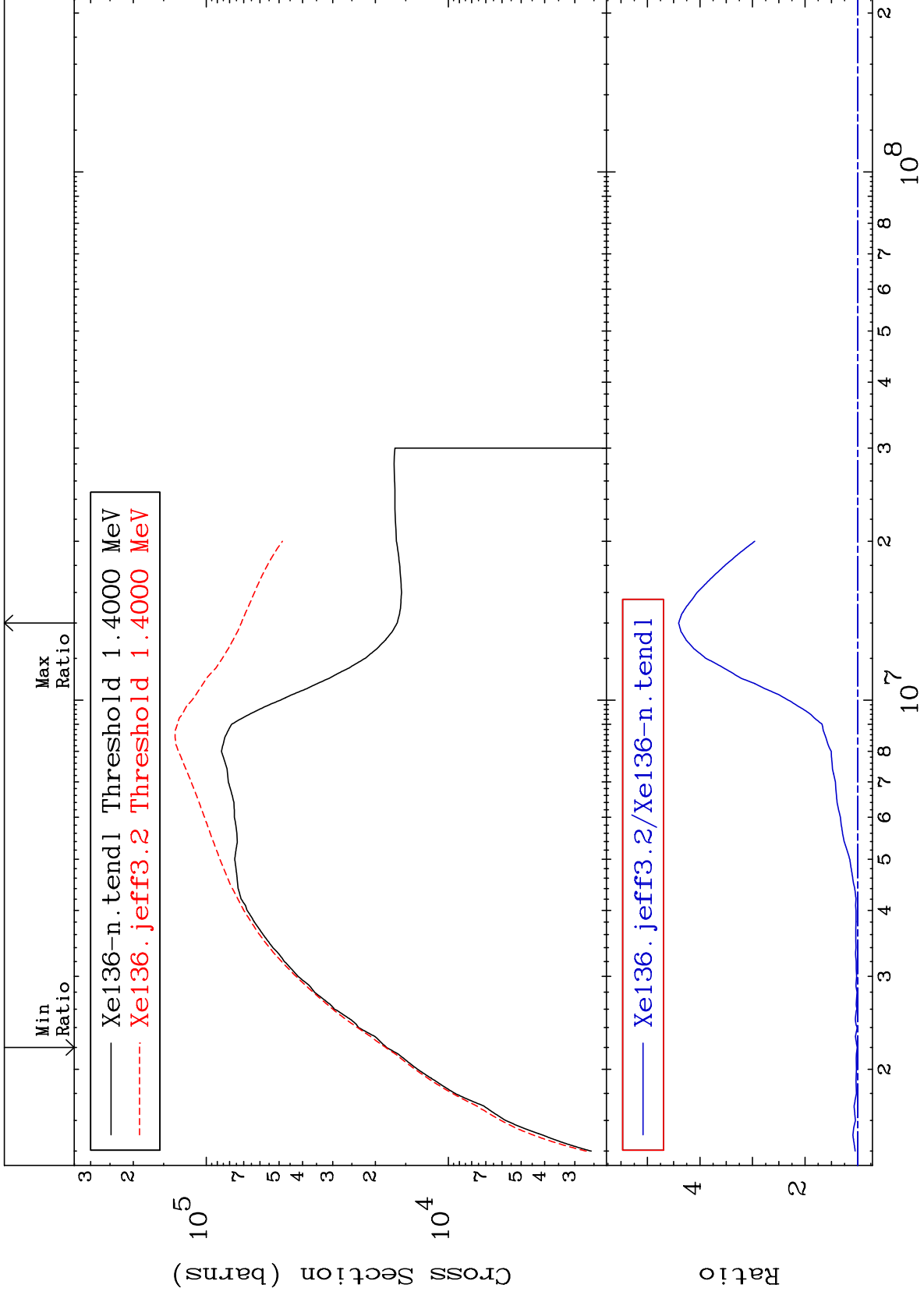
Incident Energy (eV)

54-Xe-136

MAT 5461

Dpa inelastic (mt51-91)  
Cross Section

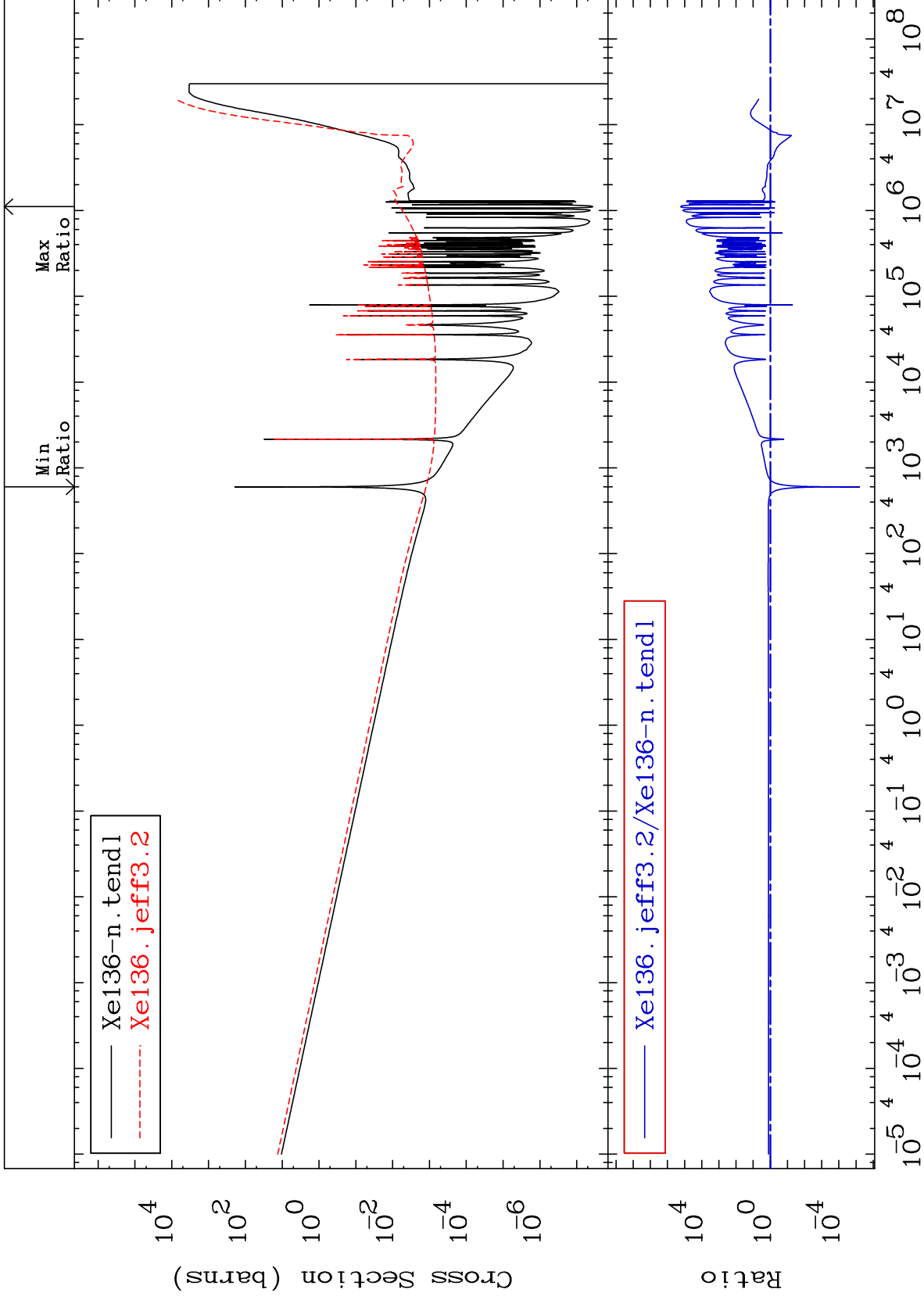
54-Xe-136  
0.826 To 340.5 %



MAT 5461

Dpa disappearance (mt102 -120)  
Cross Section

54-Xe-136  
-100.0 To 9999. %



45

Incident Energy (eV)

54-Xe-136