

Program Complot  
(Version 2018-1)

by

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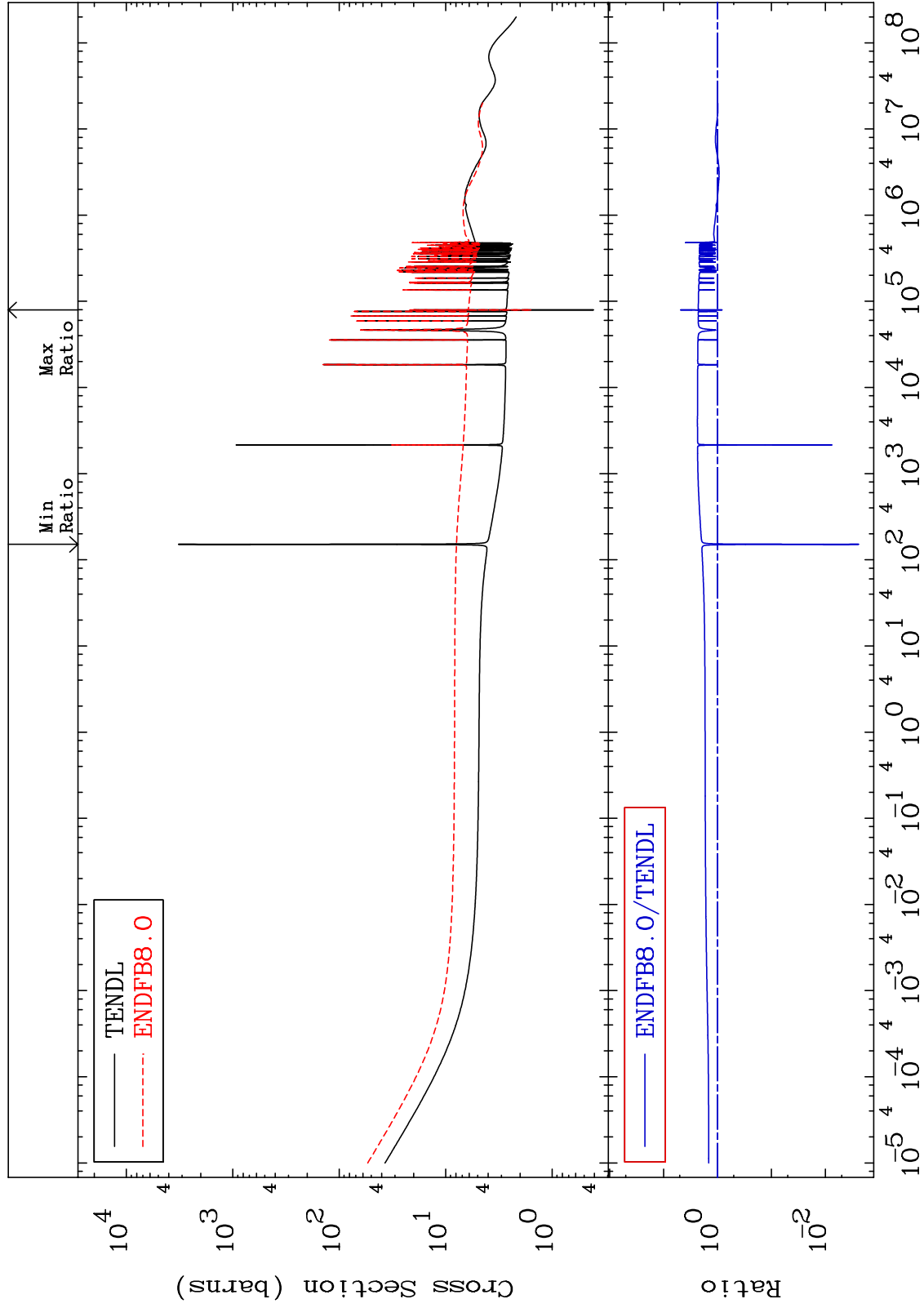
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5461

Total  
Cross Section

54-Xe-136  
-99.76 To 385.9 %



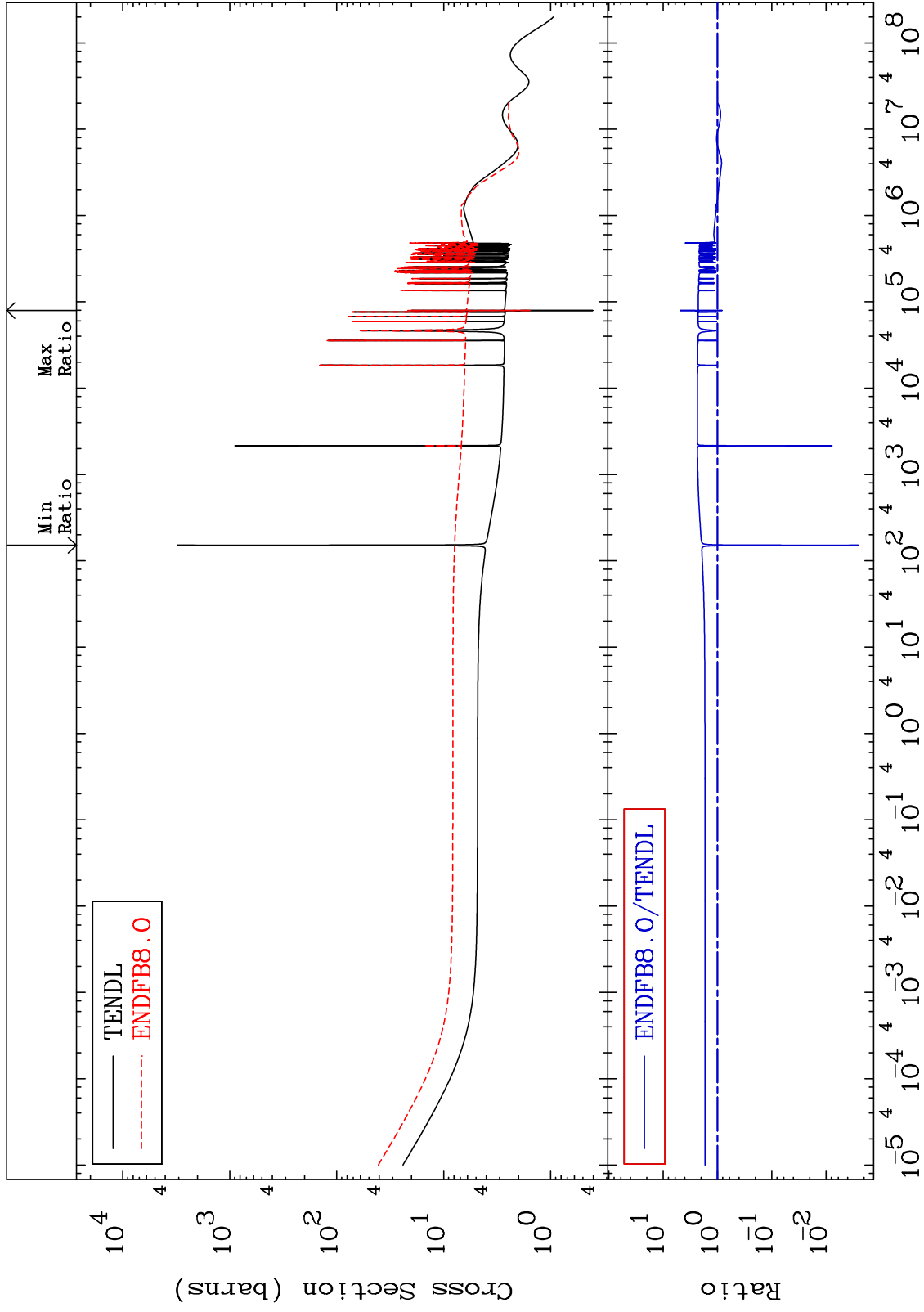
Incident Energy (eV)

54-Xe-136

MAT 5461

Elastic  
Cross Section

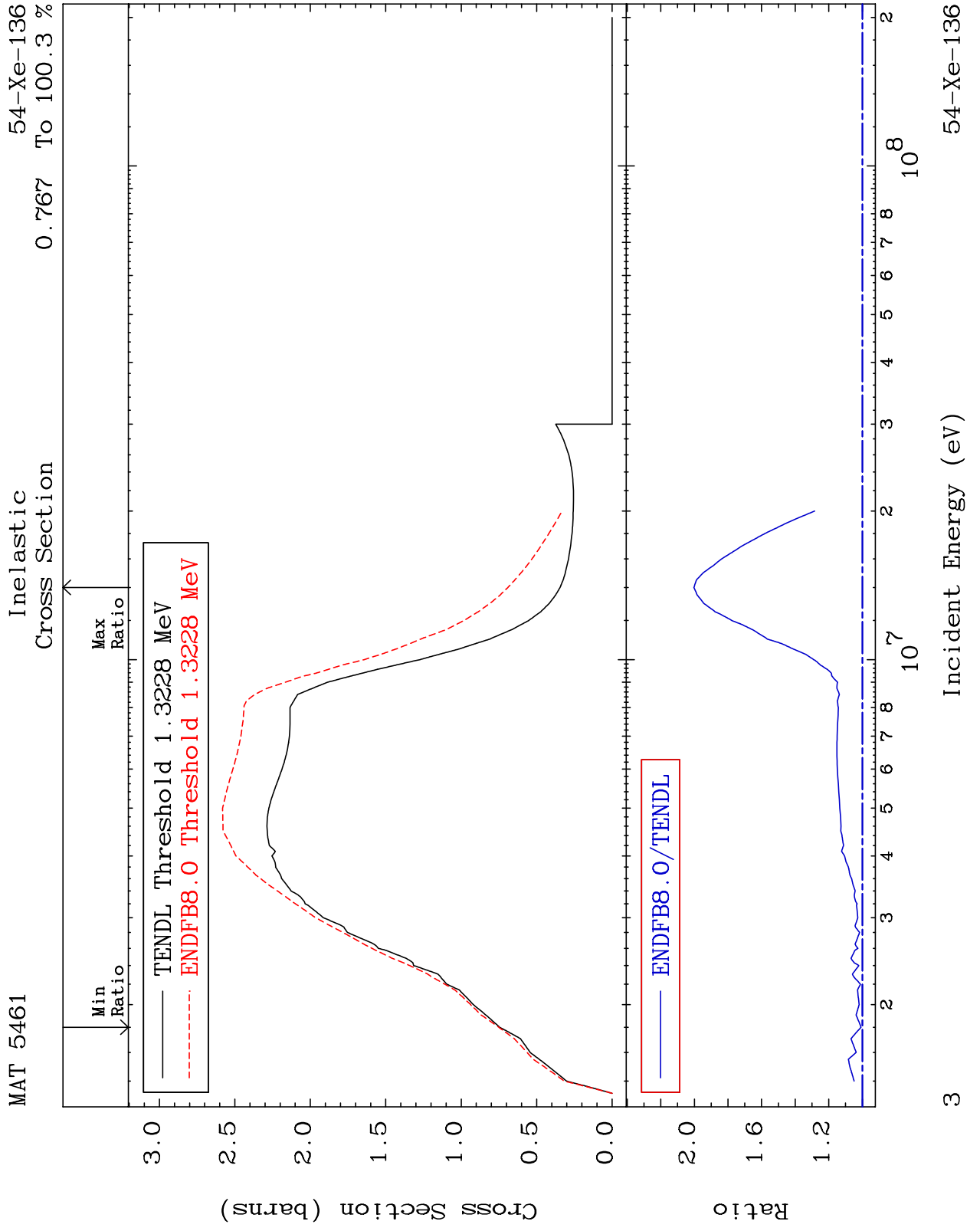
54-Xe-136  
-99.75 To 389.9 %



2

Incident Energy (eV)

54-Xe-136



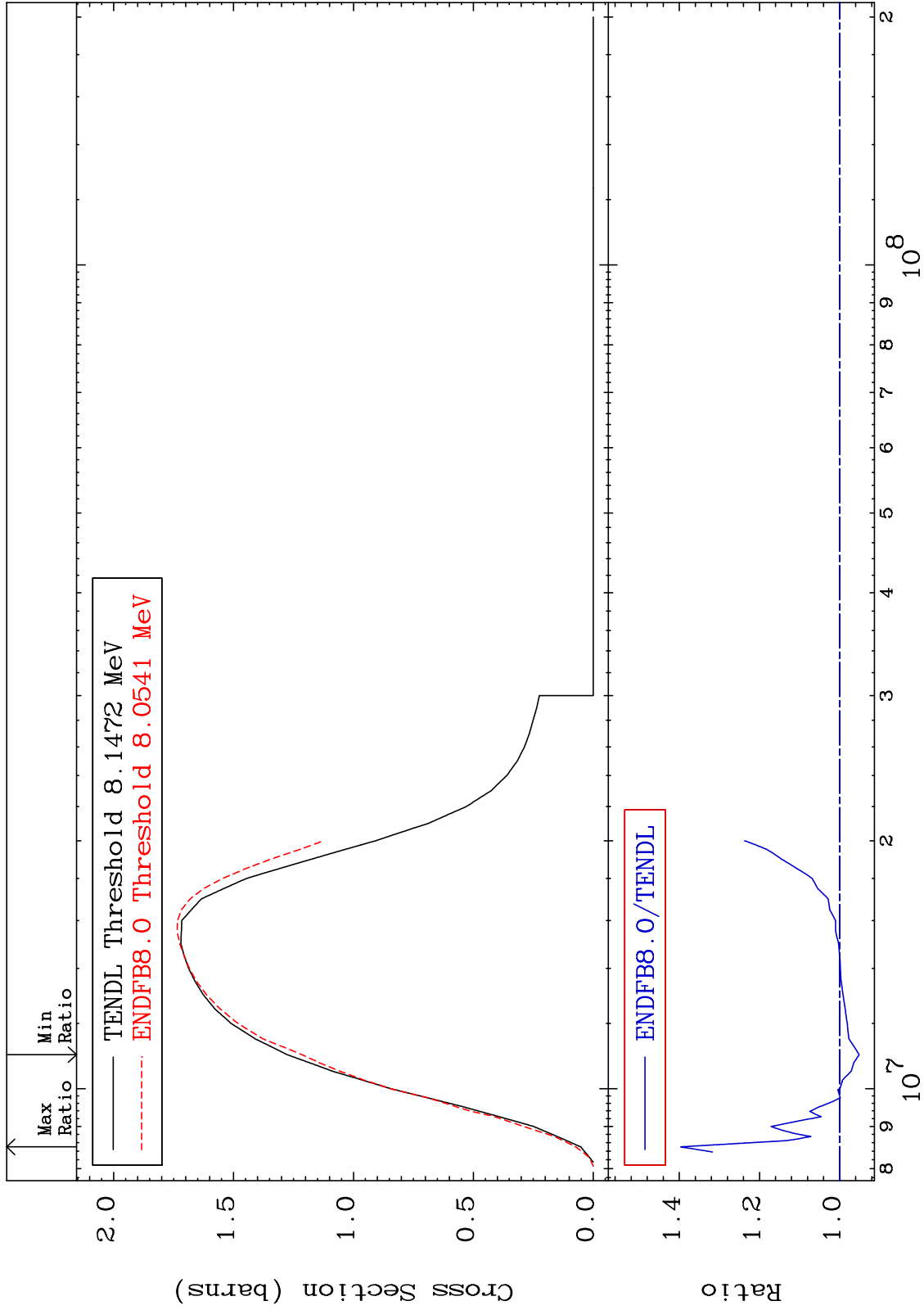
MAT 5461

(n,2n)

54-Xe-136

Cross Section

-4.862 To 39.67 %



4

Incident Energy (eV)

54-Xe-136

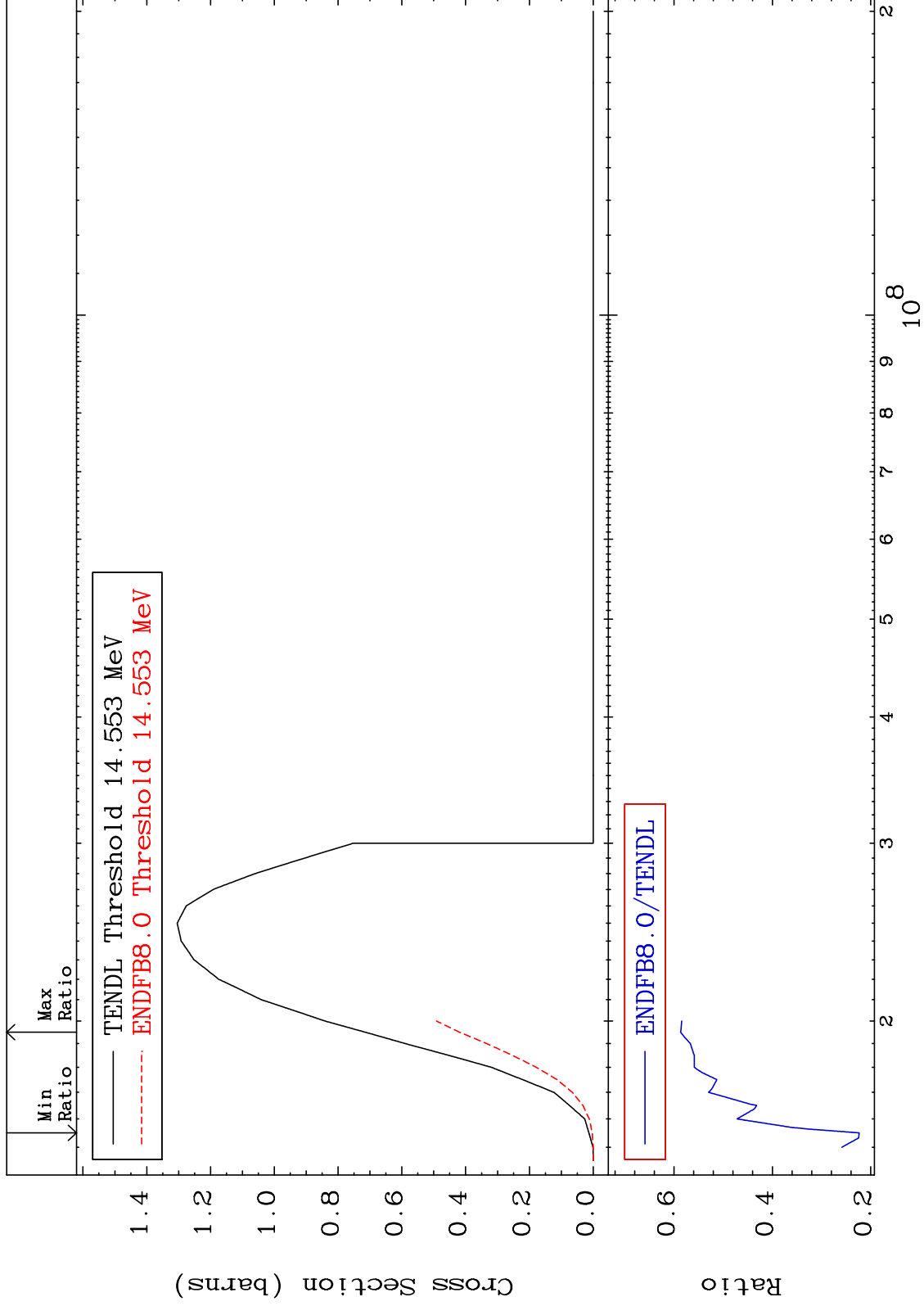
MAT 5461

(n, 3n)

54-Xe-136

Cross Section

-77.66 To -41.34%



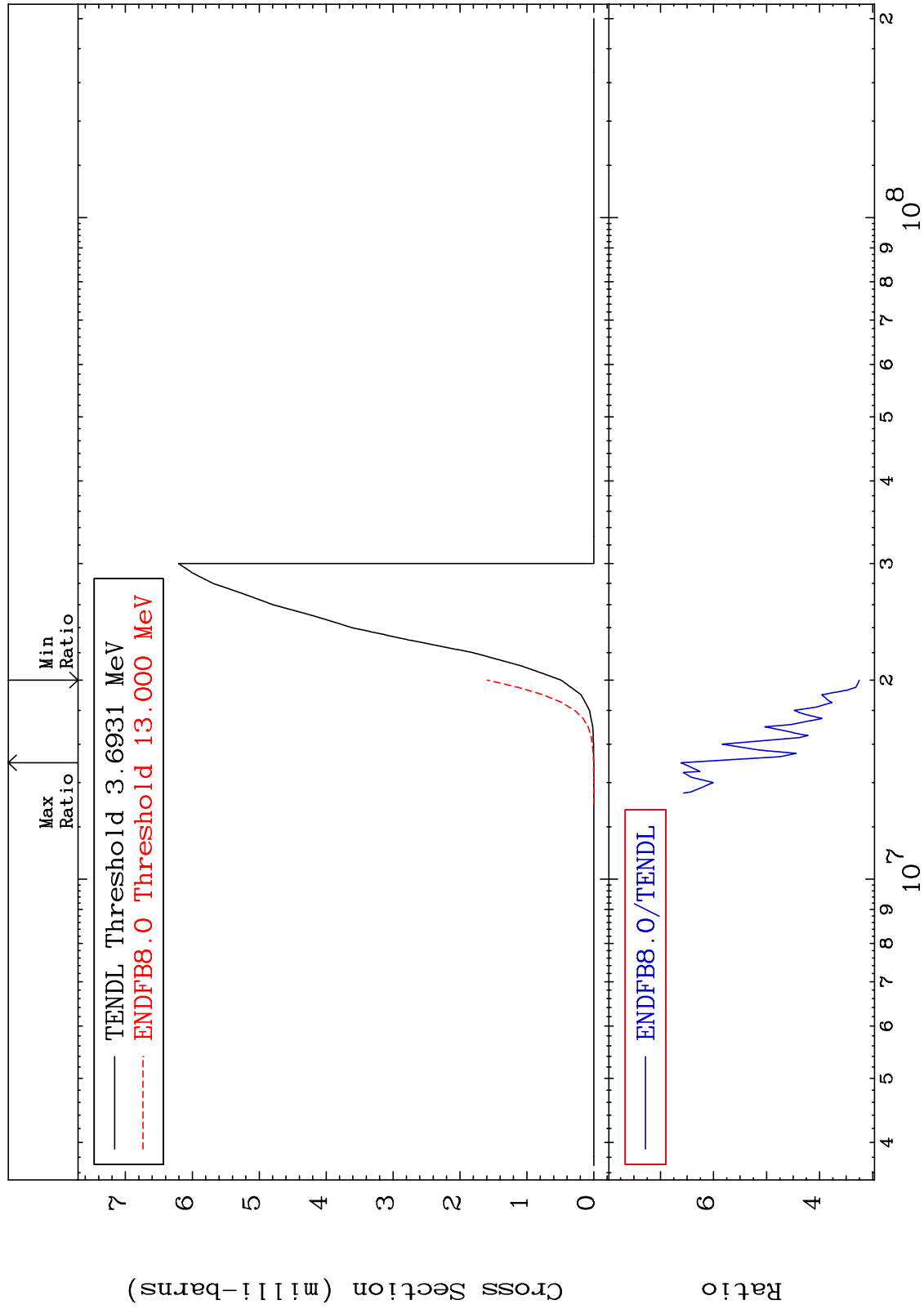
MAT 5461

(n,n')  $\alpha$

54-Xe-136

225.3 To 561.3 %

Cross Section



6

Incident Energy (eV)

54-Xe-136

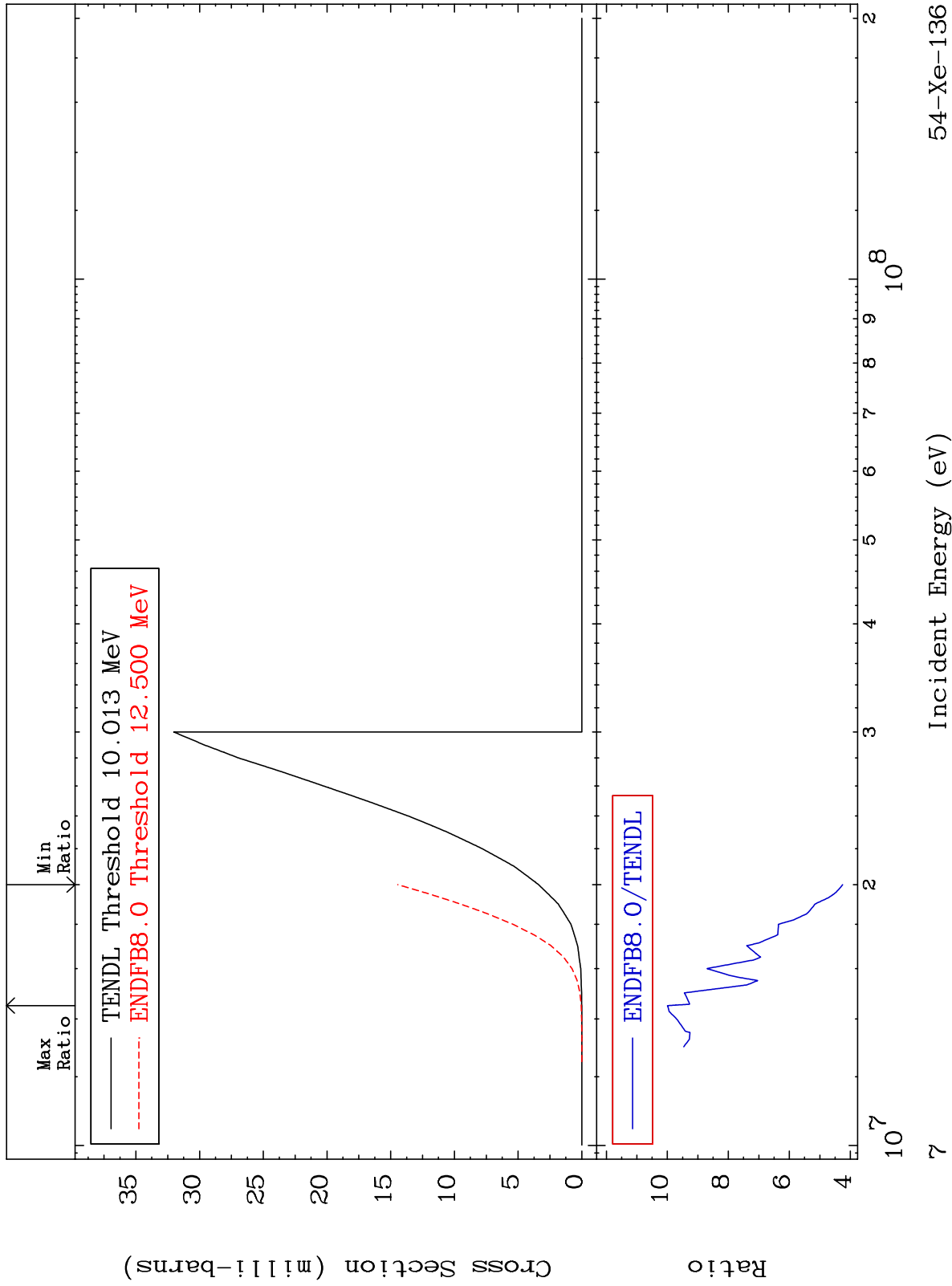
MAT 5461

(n,n') p

54-Xe-136

Cross Section

325.1 To 899.4 %

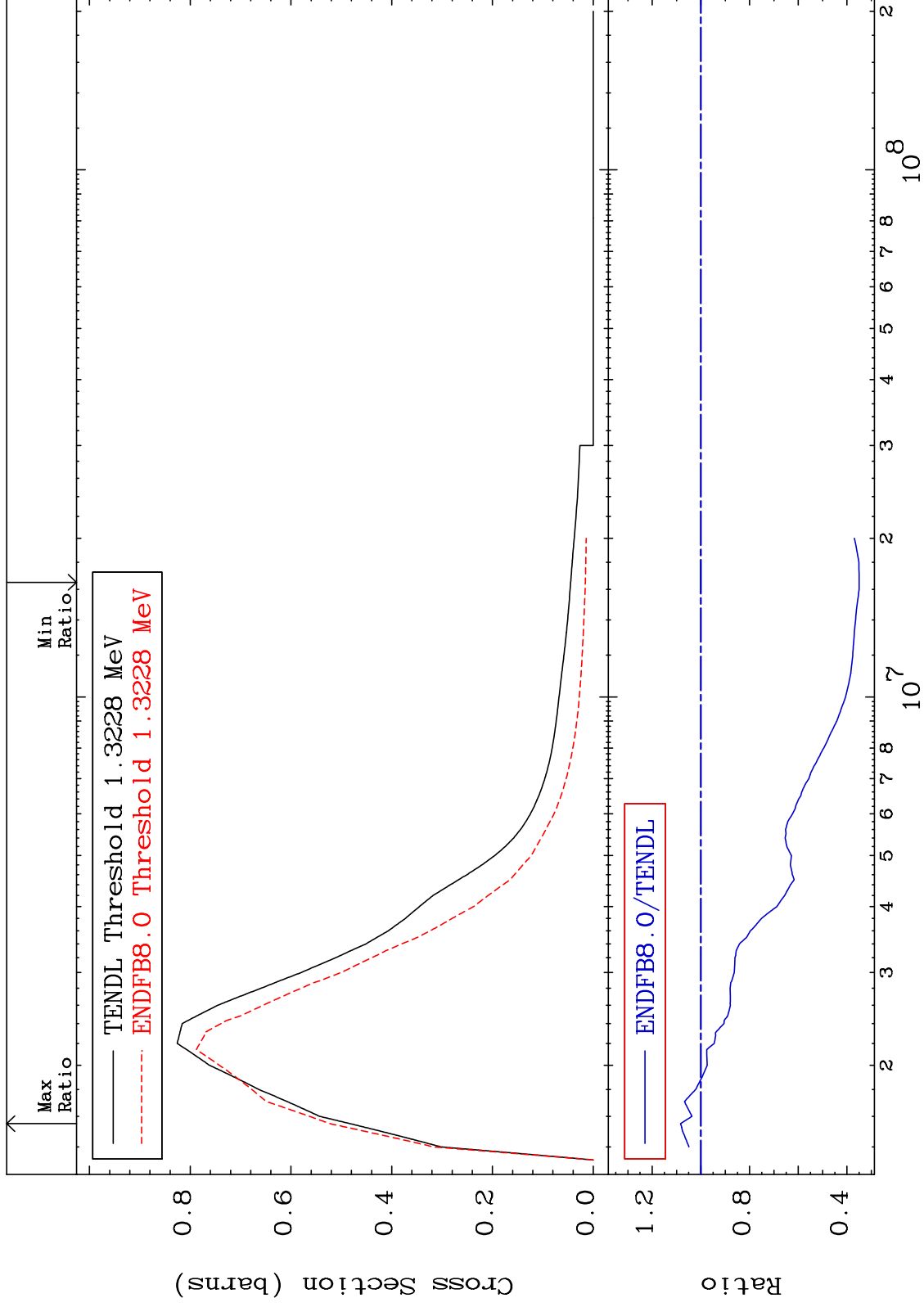




MAT 5461

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

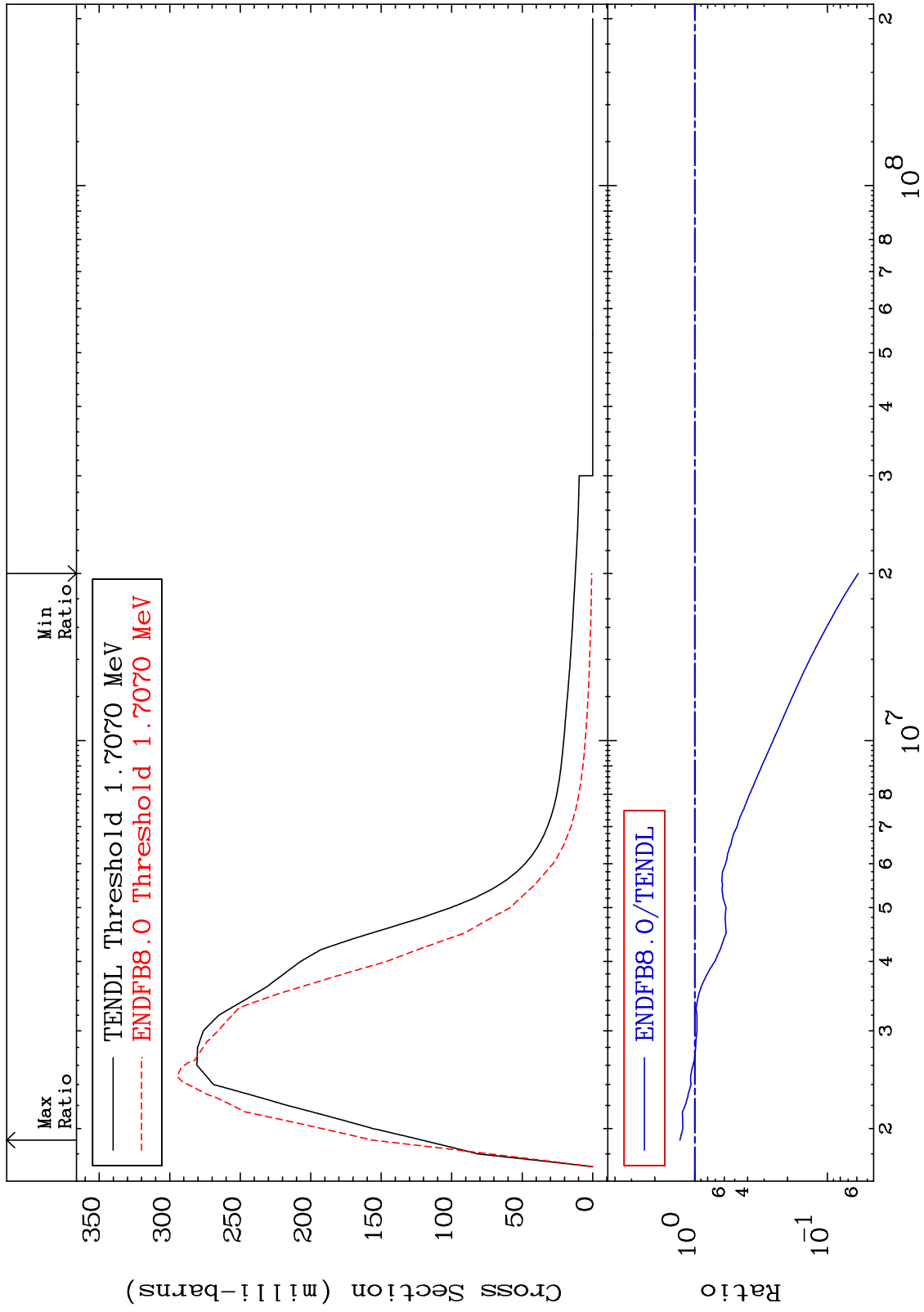
54-Xe-136  
-65.01 To 8.333 %



MAT 5461

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

54-Xe-136  
-94.16 To 29.20 %



9

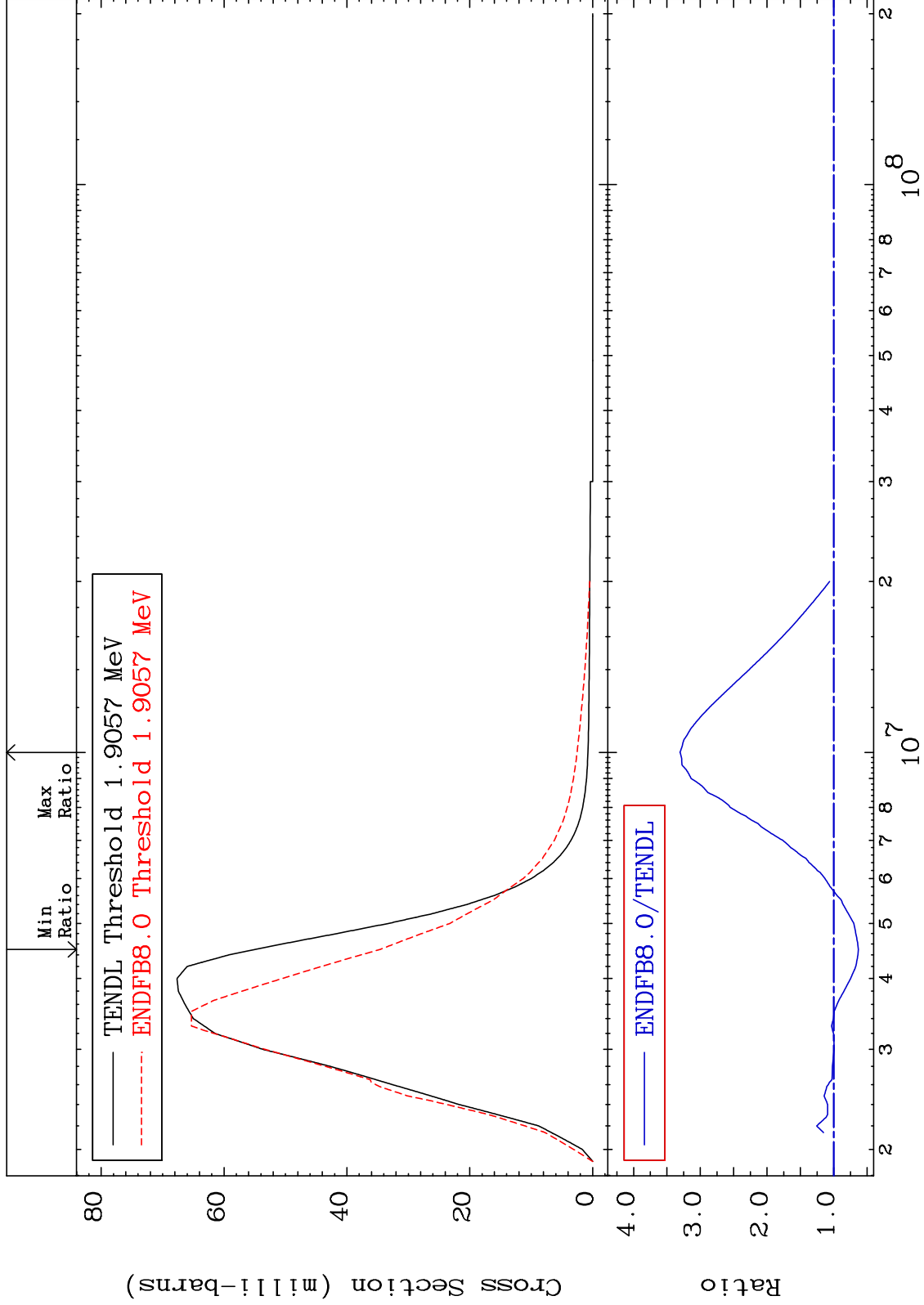
Incident Energy (eV)

54-Xe-136

MAT 5461

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

54-Xe-136  
-37.00 To 230.4 %



10

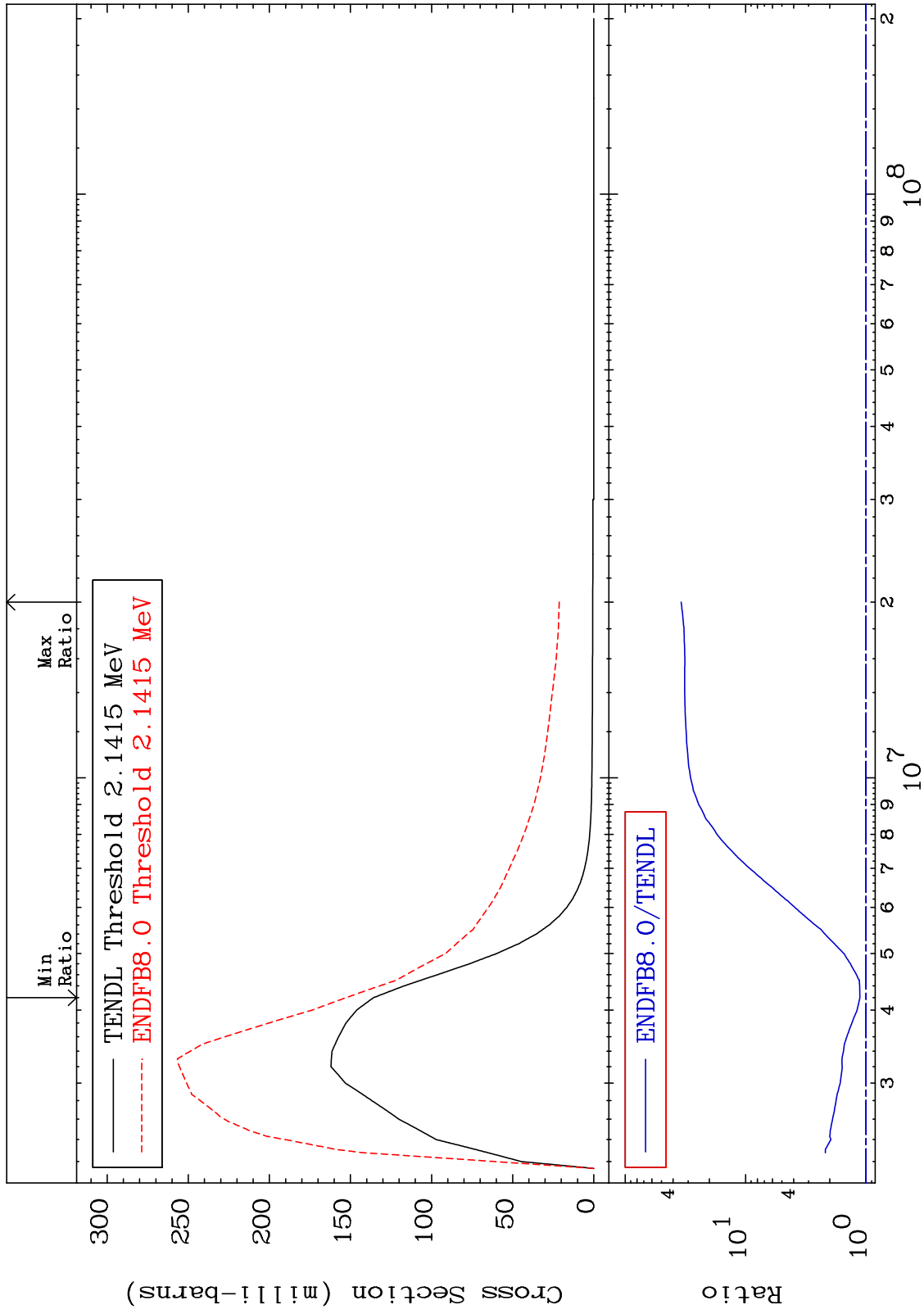
Incident Energy (eV)

54-Xe-136

MAT 5461

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

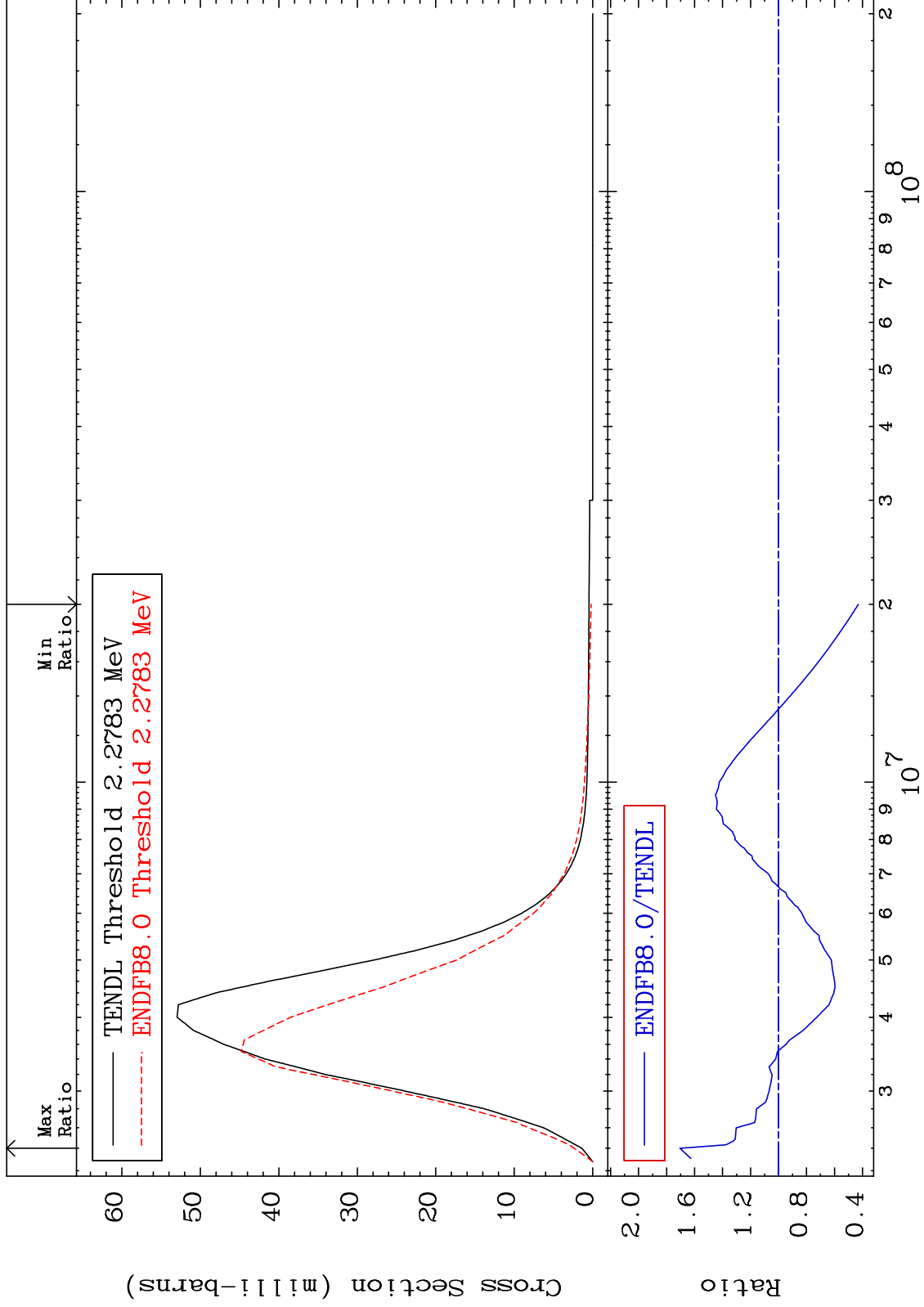
54-Xe-136  
12.49 To 3329. %



MAT 5461

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

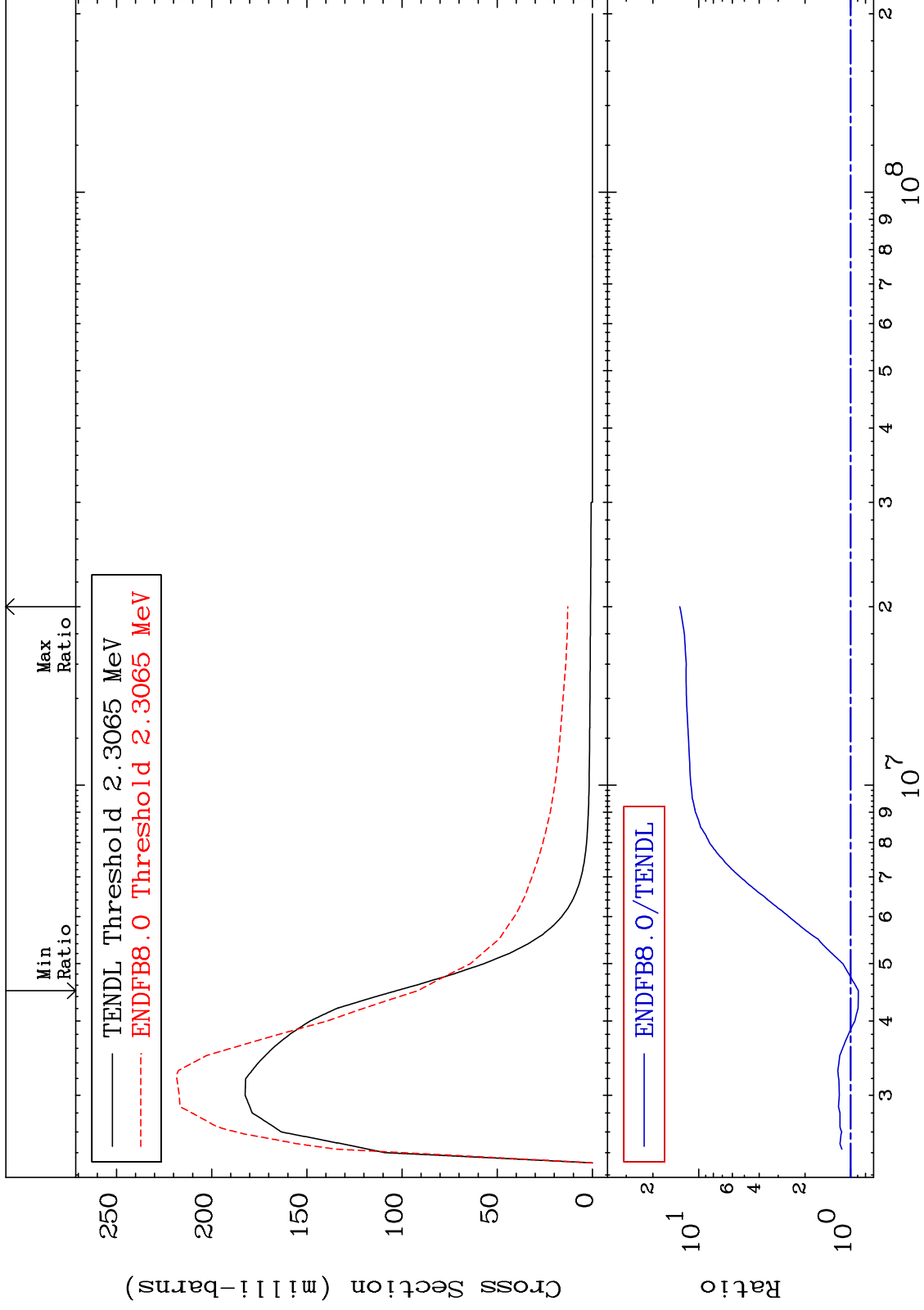
54-Xe-136  
-57.08 To 70.40 %



MAT 5461

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

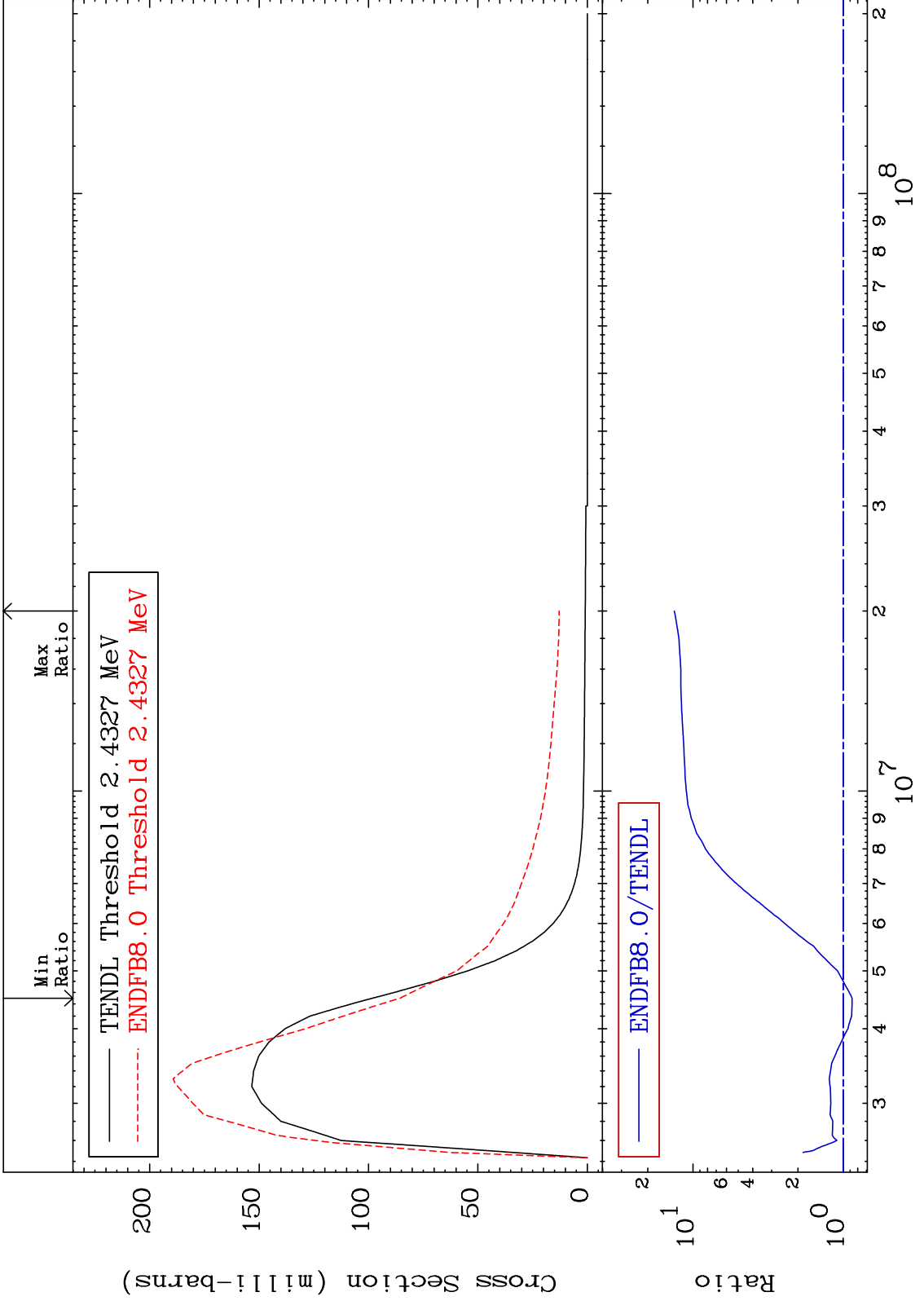
54-Xe-136  
-10.93 To 1231. %



MAT 5461

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

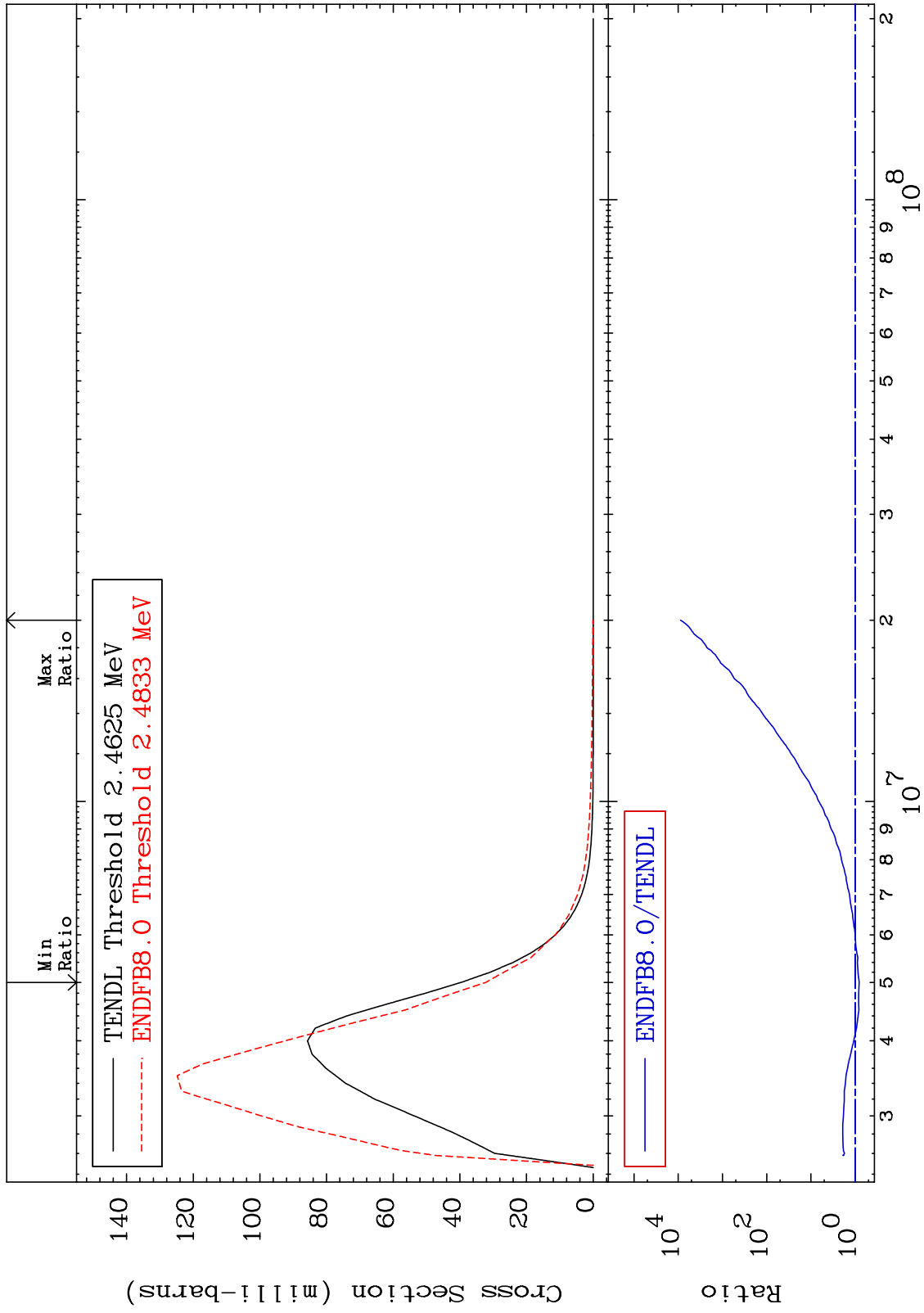
54-Xe-136  
-12.75 To 1231. %



MAT 5461

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

54-Xe-136  
-18.60 To 9999. %

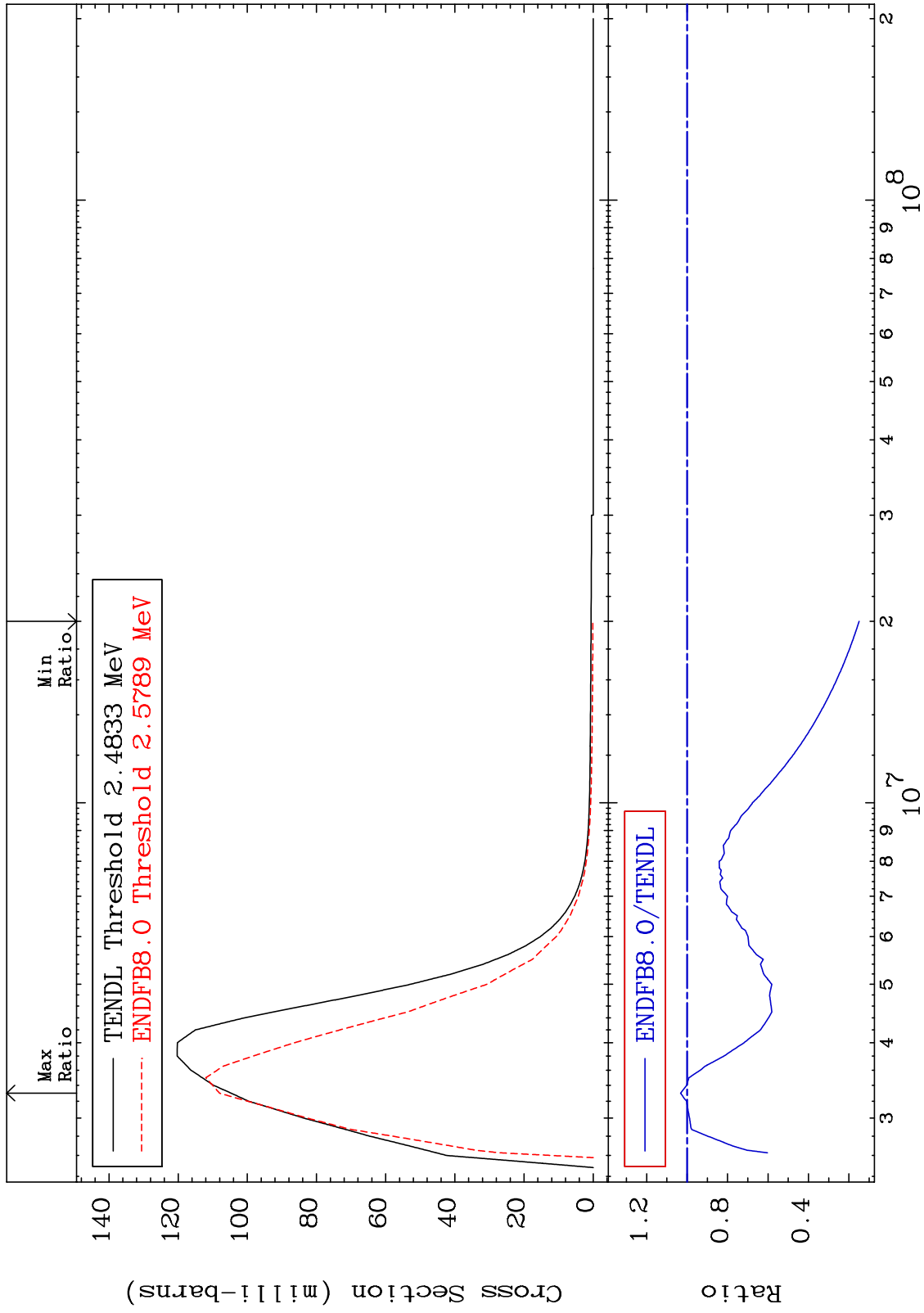




MAT 5461

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

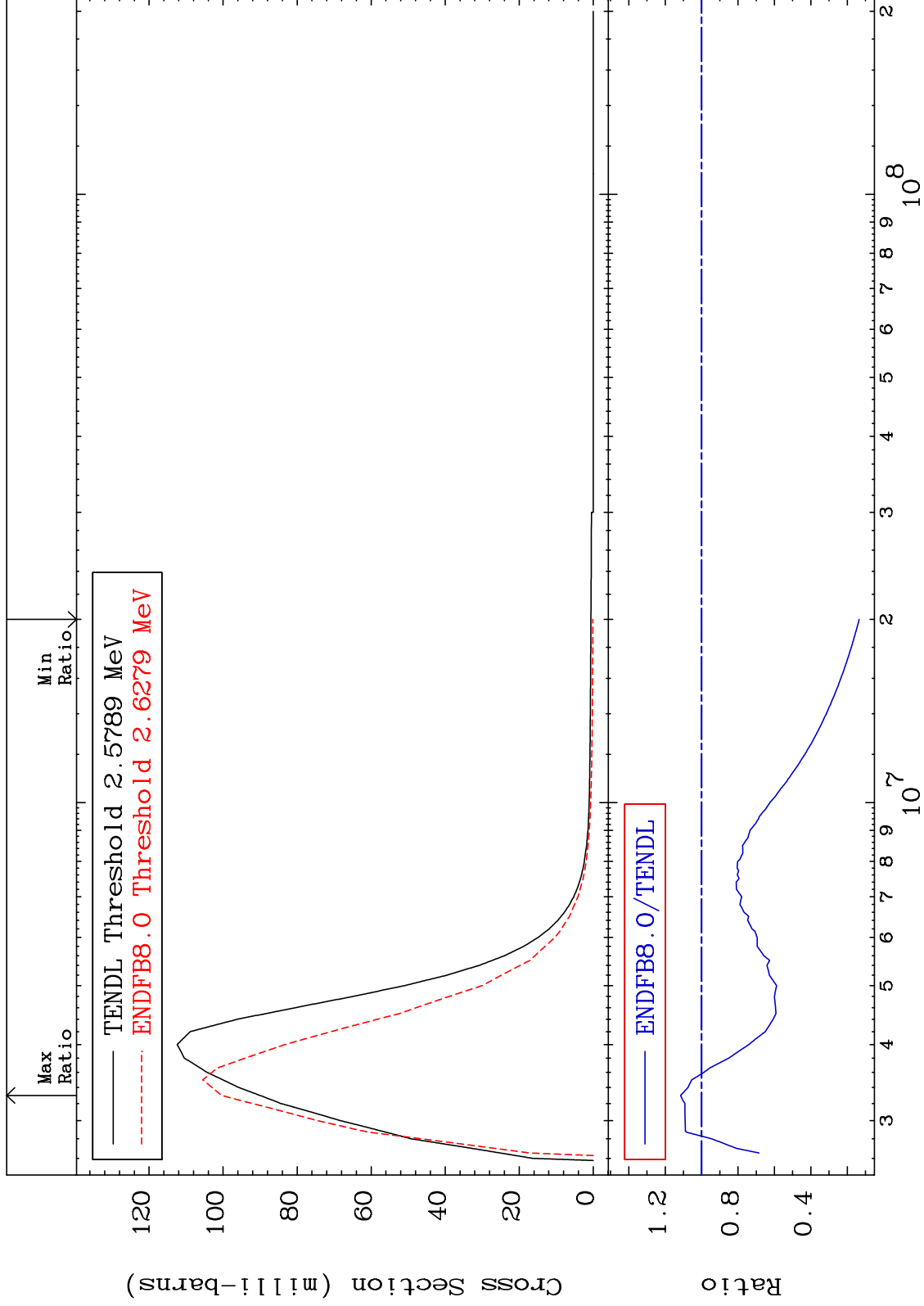
54-Xe-136  
-85.08 To 3.193 %



MAT 5461

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

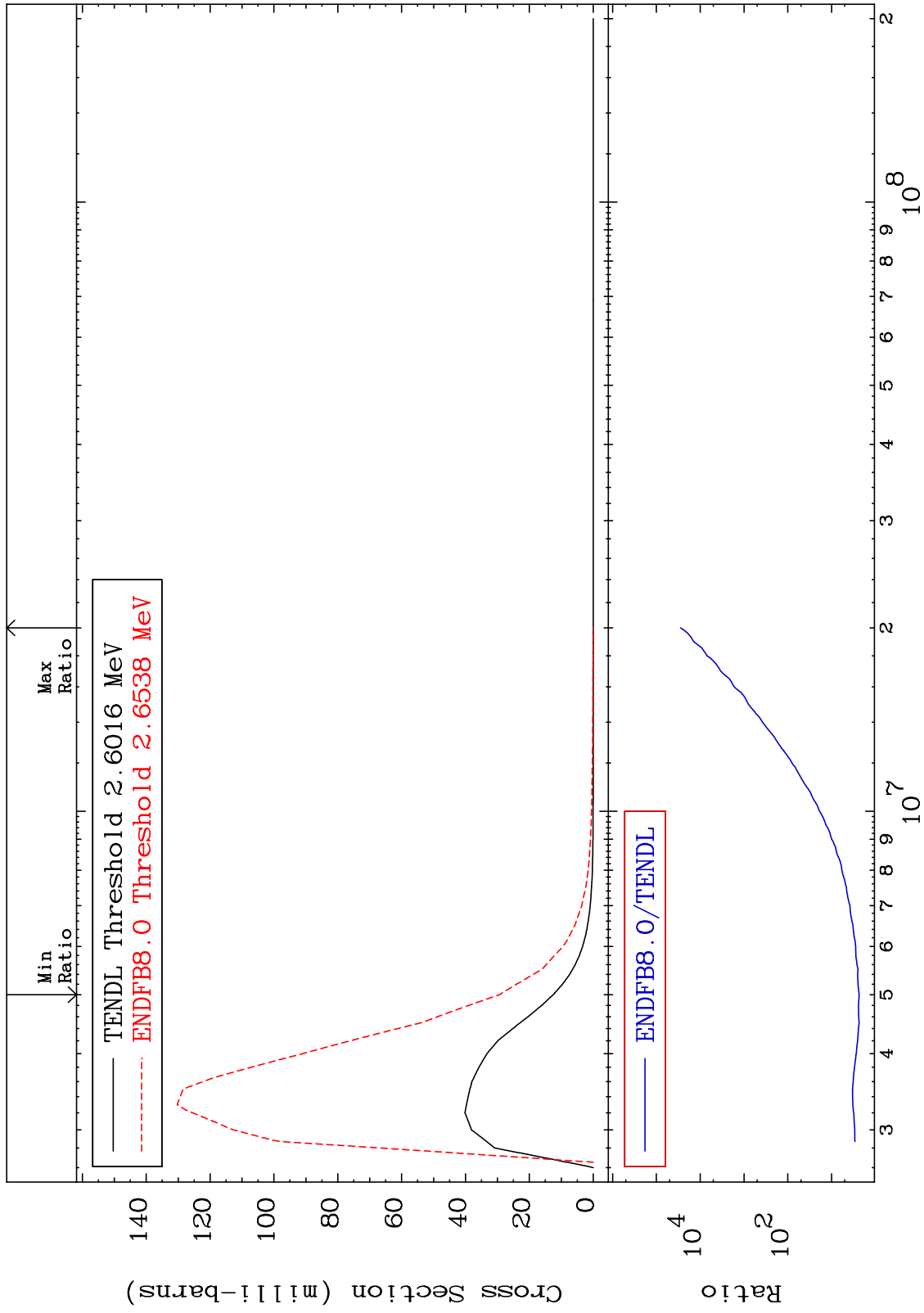
54-Xe-136  
-86.53 To 11.52 %



MAT 5461

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

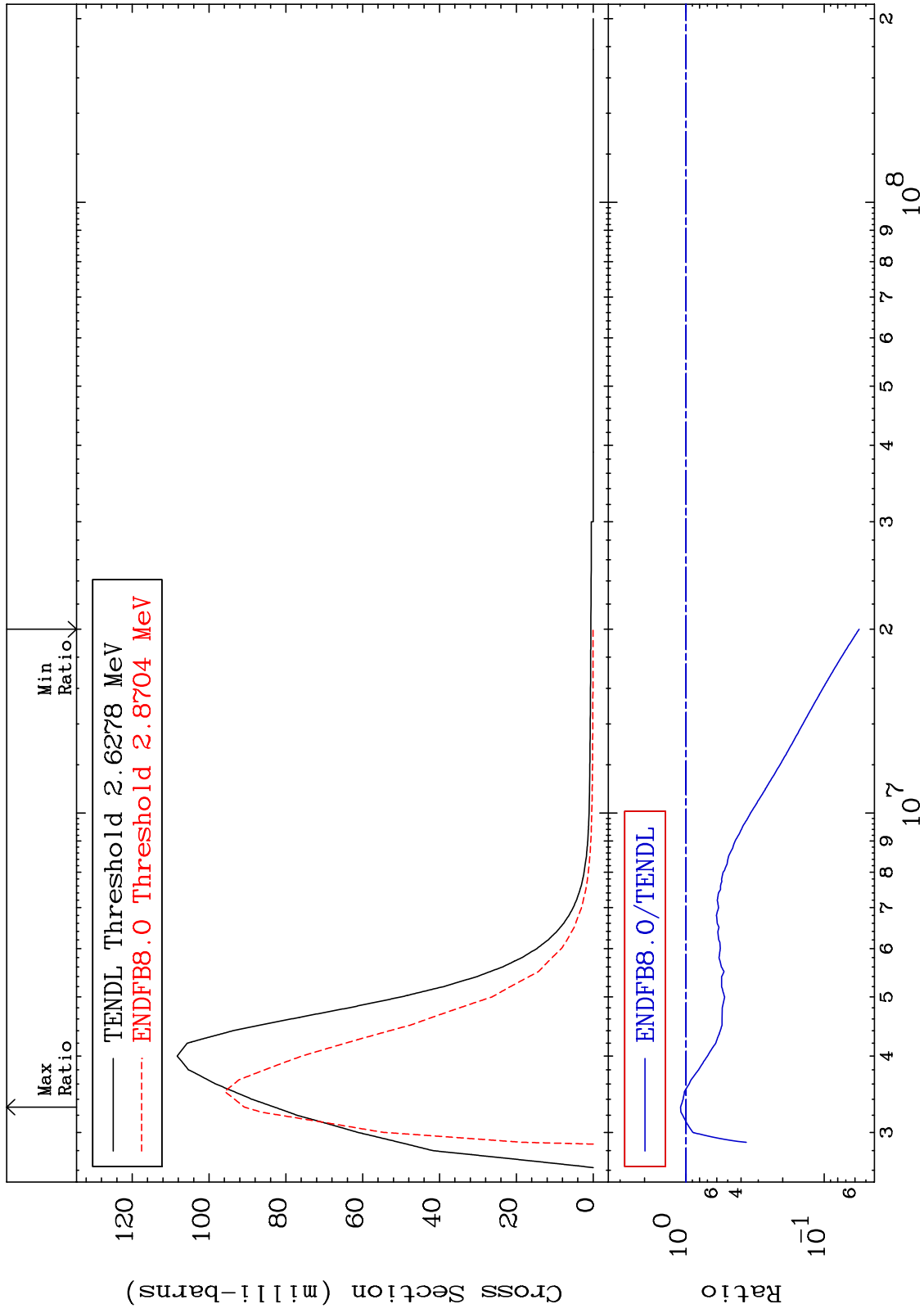
54-Xe-136  
134.3 To 9999. %



MAT 5461

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

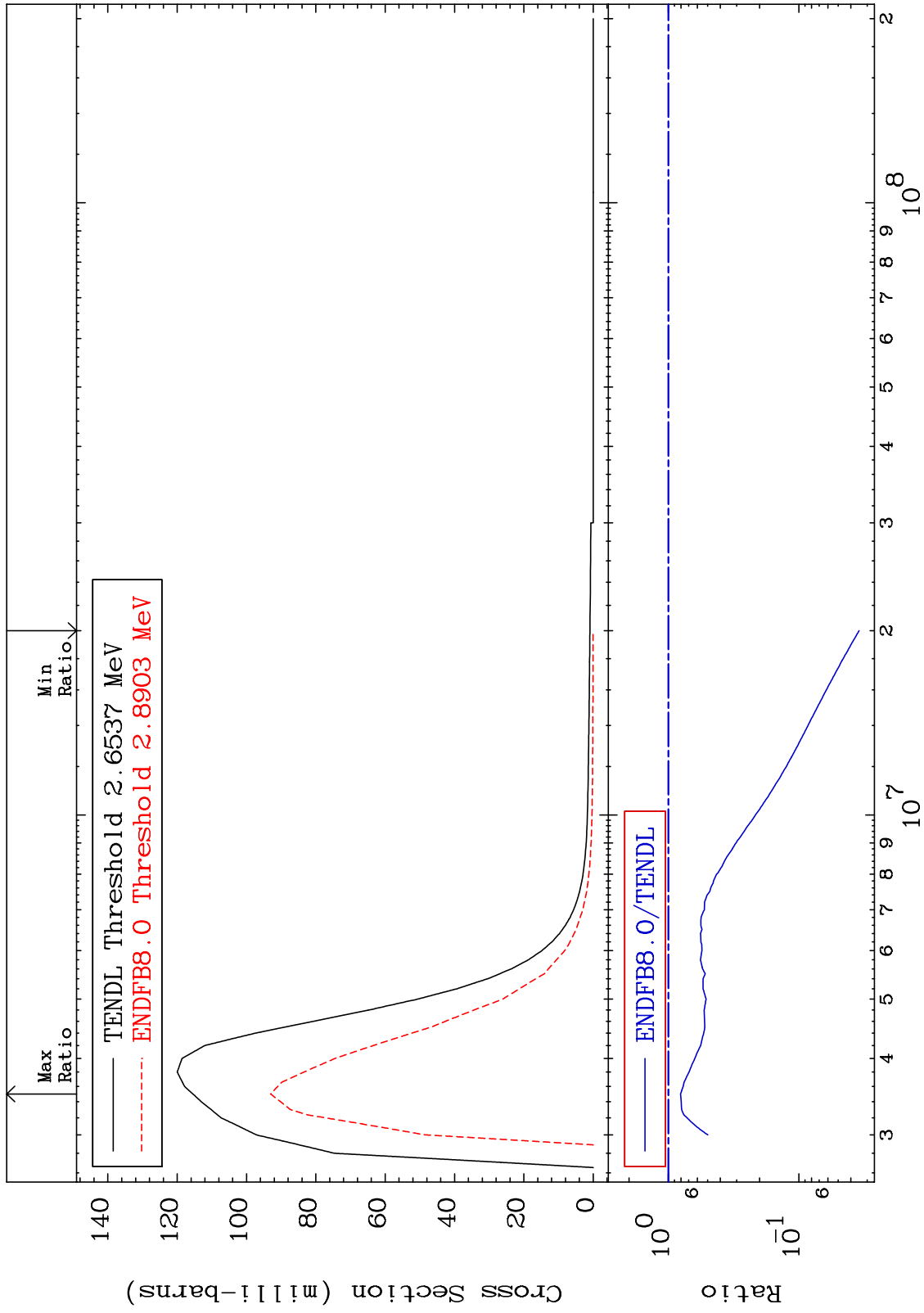
54-Xe-136  
-94.41 To 9.466 %



MAT 5461

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

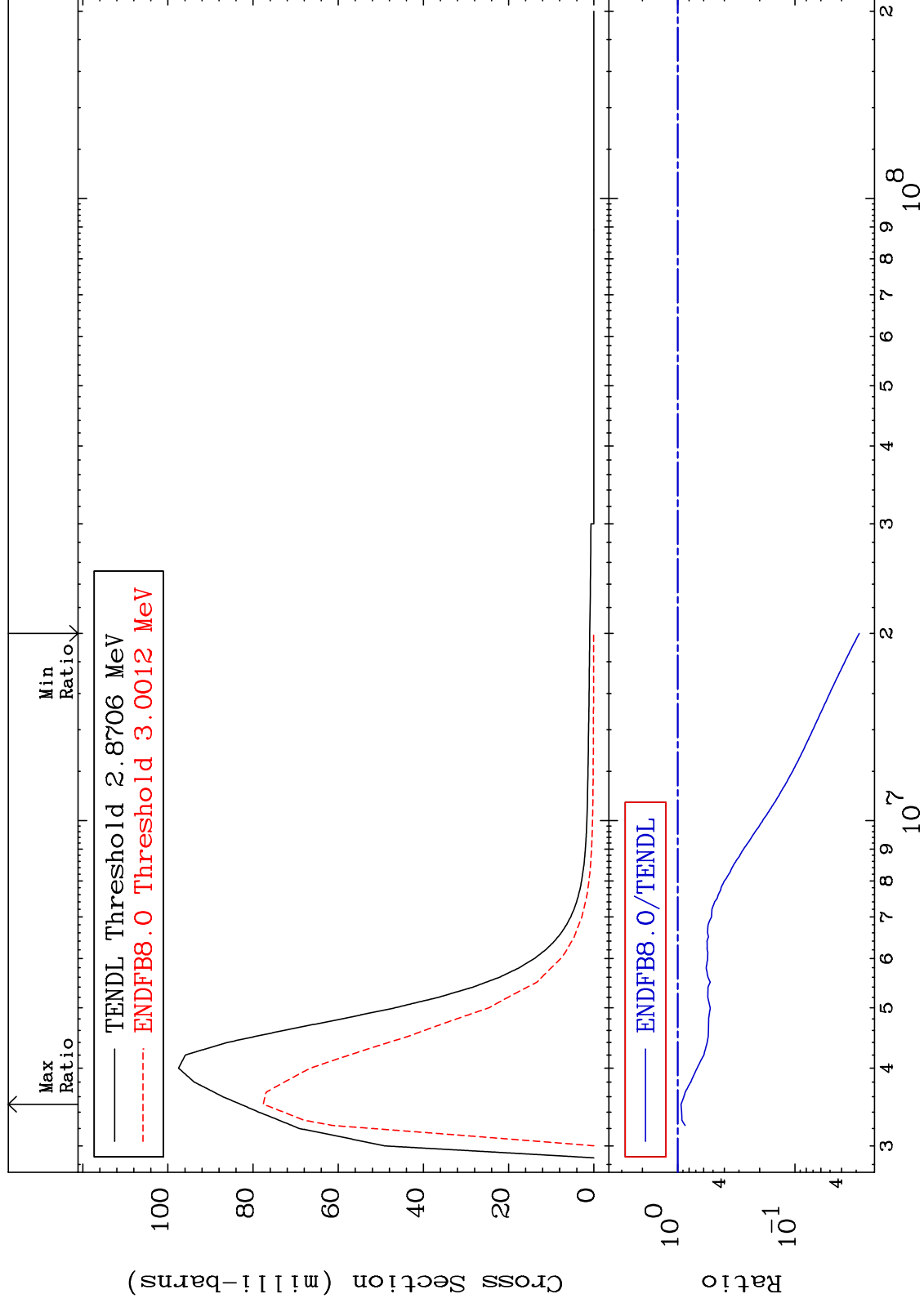
54-Xe-136  
-96.55 To -19.40%



MAT 5461

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

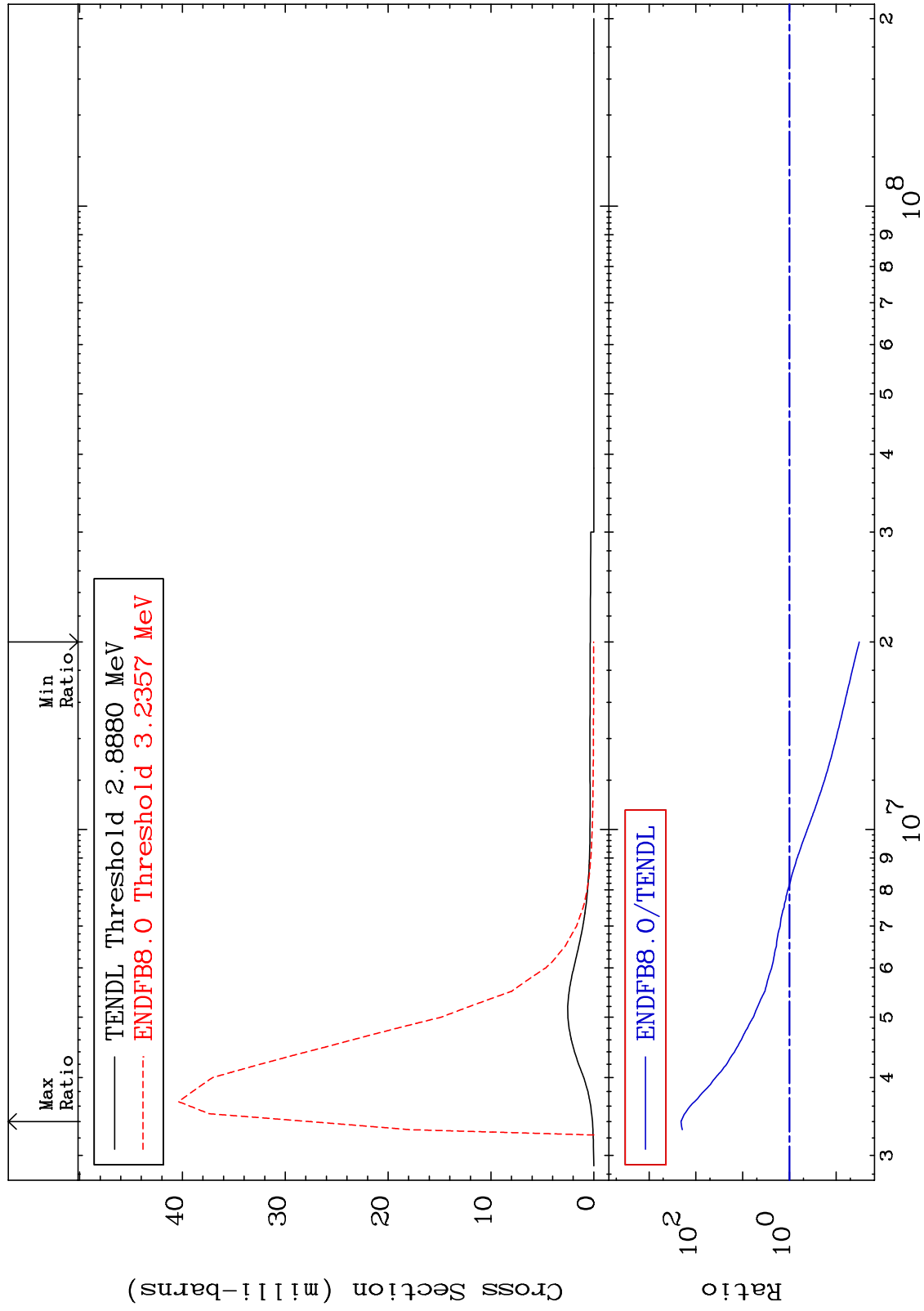
54-Xe-136  
-97.18 To -6.393%



MAT 5461

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

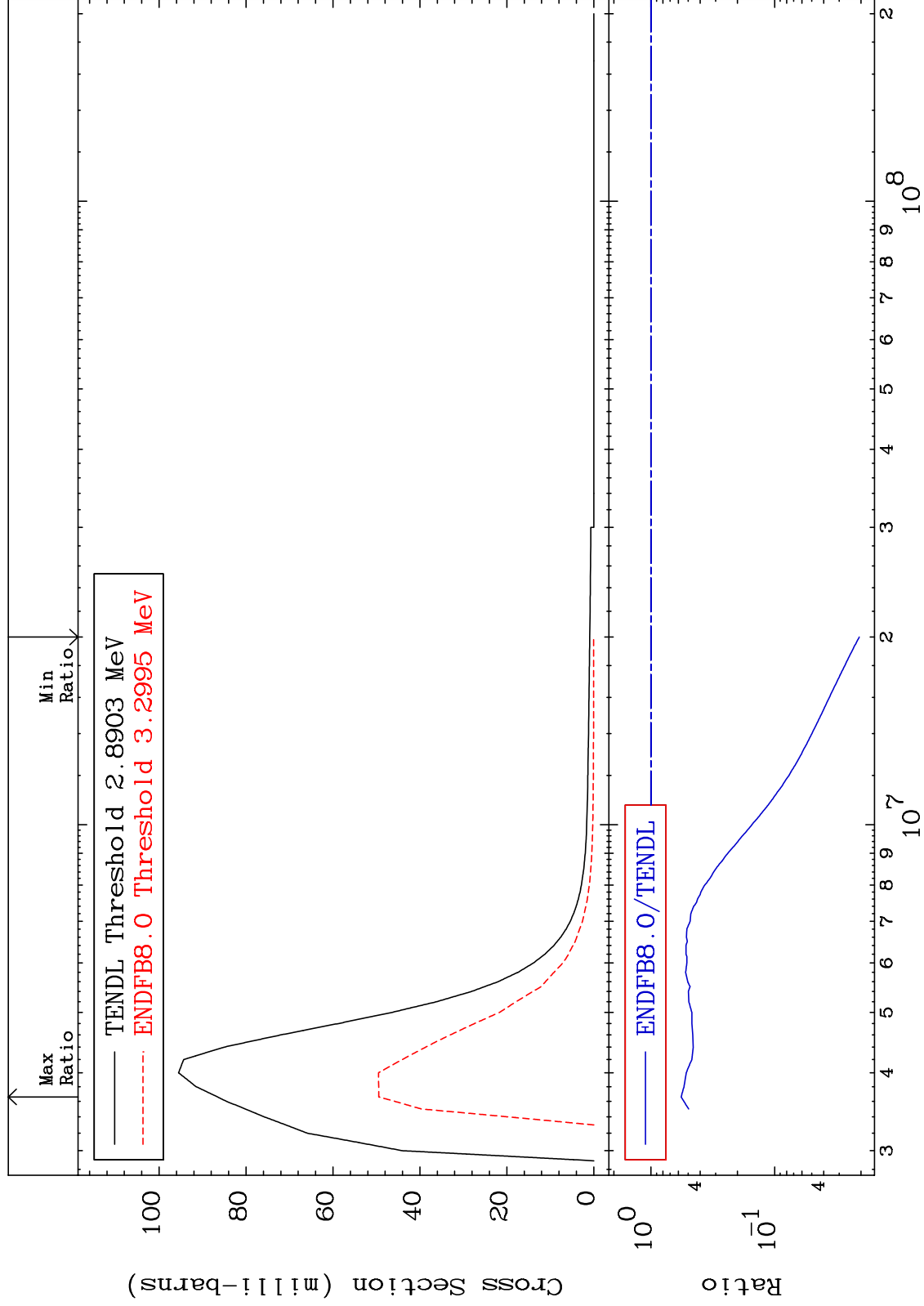
54-Xe-136  
-96.79 To 9999. %



MAT 5461

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

54-Xe-136  
-97.94 To -42.89%

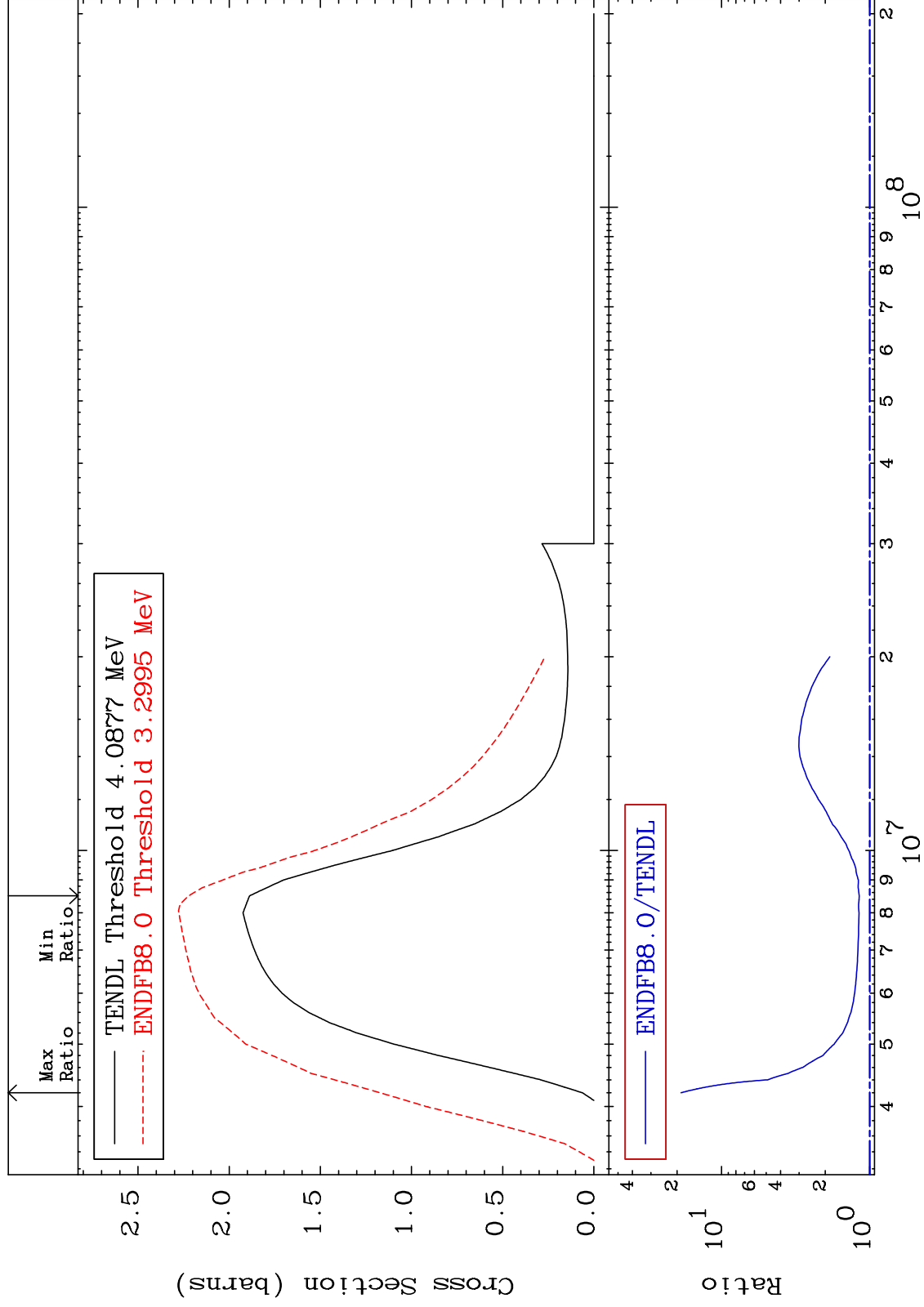




MAT 5461

(n,n') Continuum  
Cross Section

54-Xe-136  
17.71 To 1777. %



24

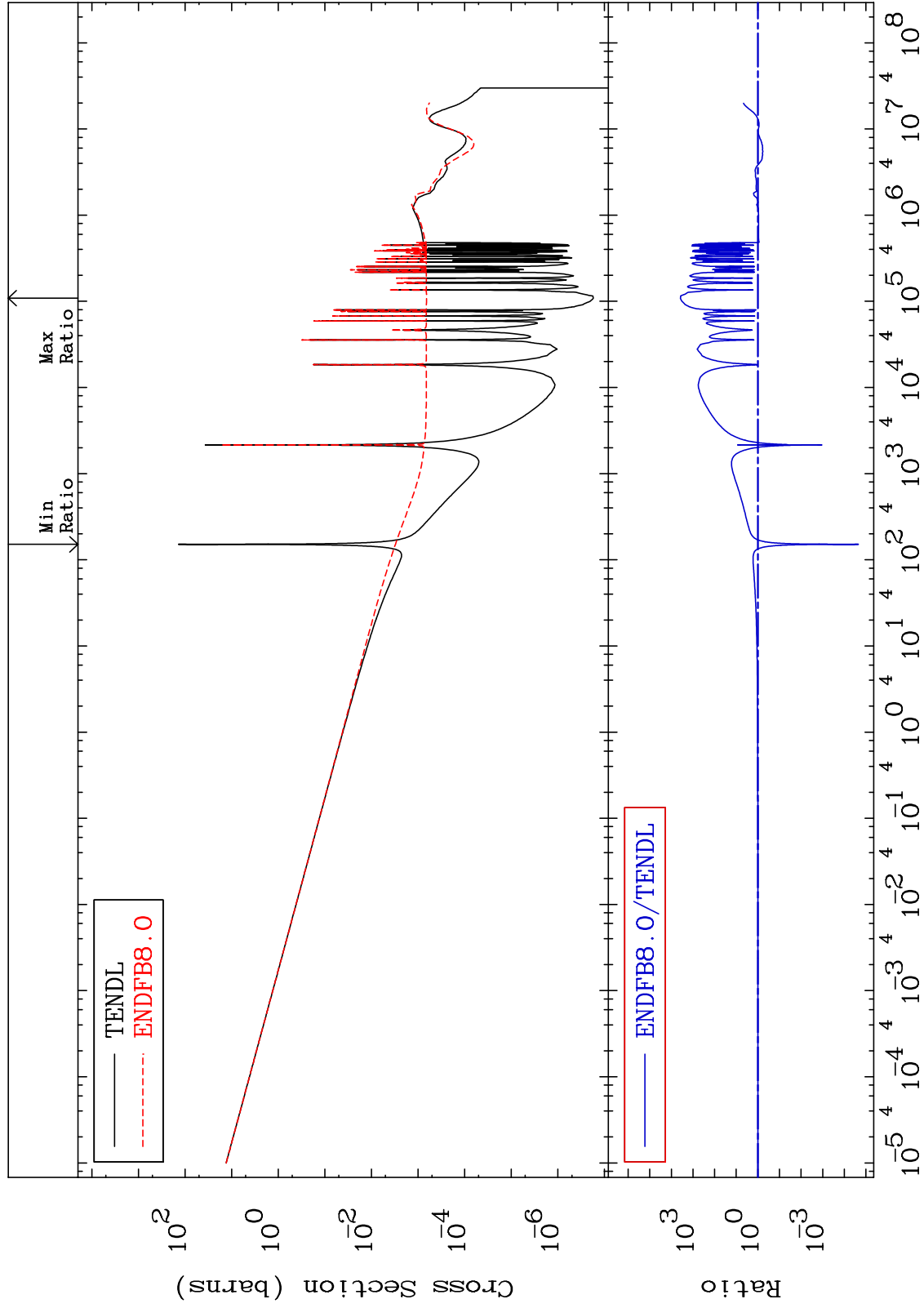
Incident Energy (eV)

54-Xe-136

MAT 5461

(n,  $\gamma$ )  
Cross Section

54-Xe-136  
-100.0 To 9999. %



25

Incident Energy (eV)

54-Xe-136

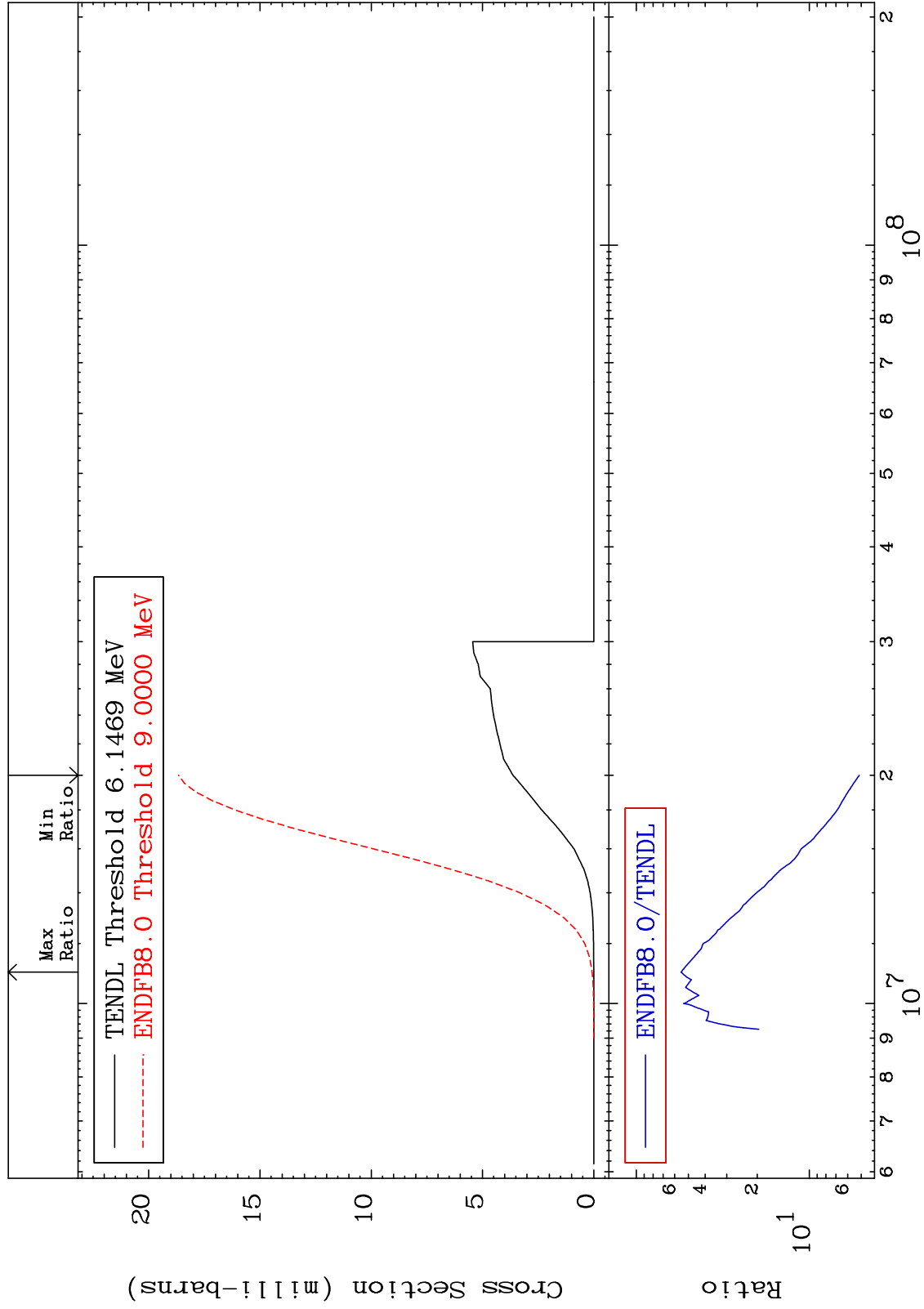
MAT 5461

(n, p)

54-Xe-136

Cross Section

413.5 To 5410. %



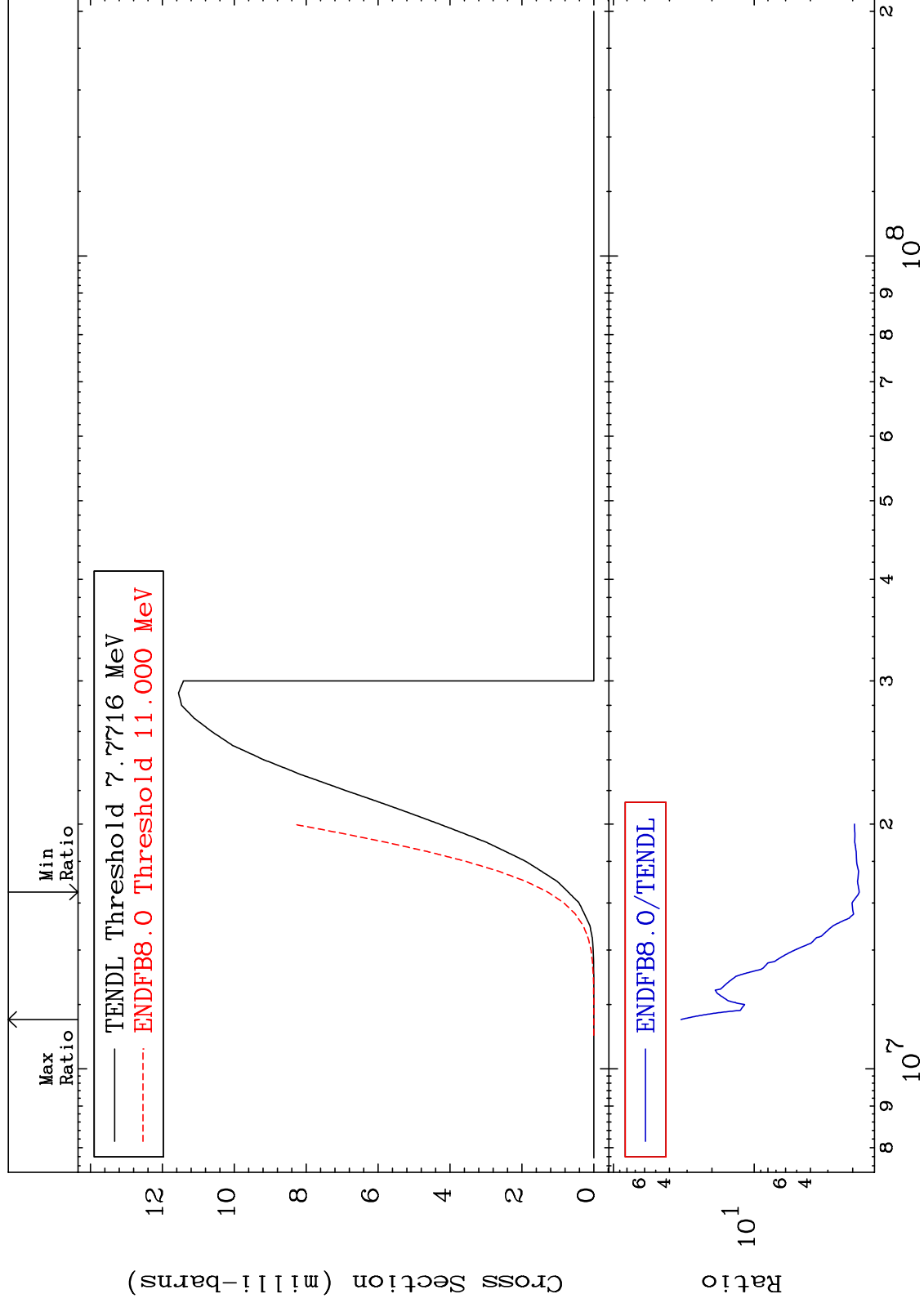
MAT 5461

(n,d)

54-Xe-136

Cross Section

79.79 To 3208. %



27

Incident Energy (eV)

54-Xe-136

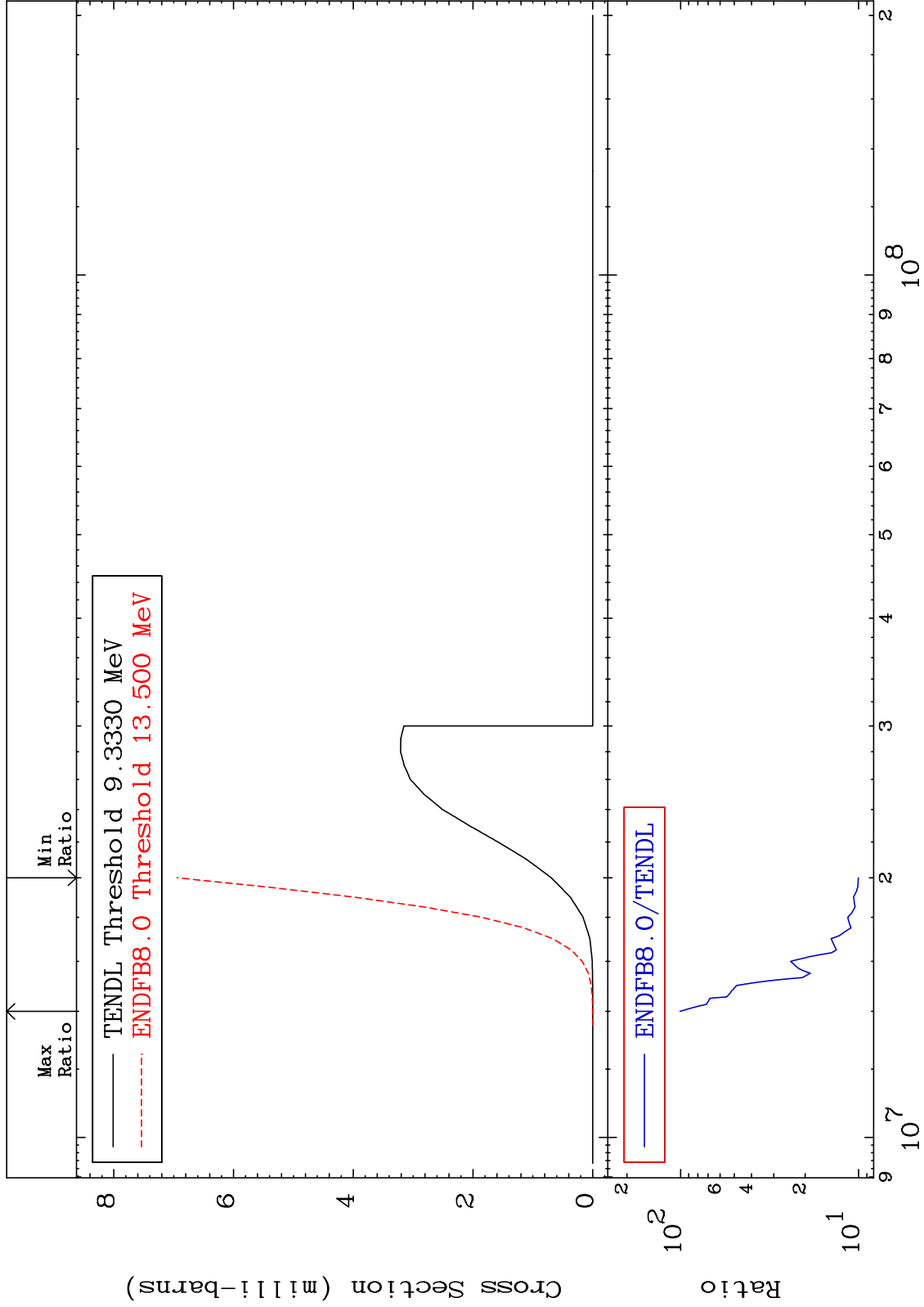
MAT 5461

(n, t)

54-Xe-136

Cross Section

903.2 To 9976. %



28

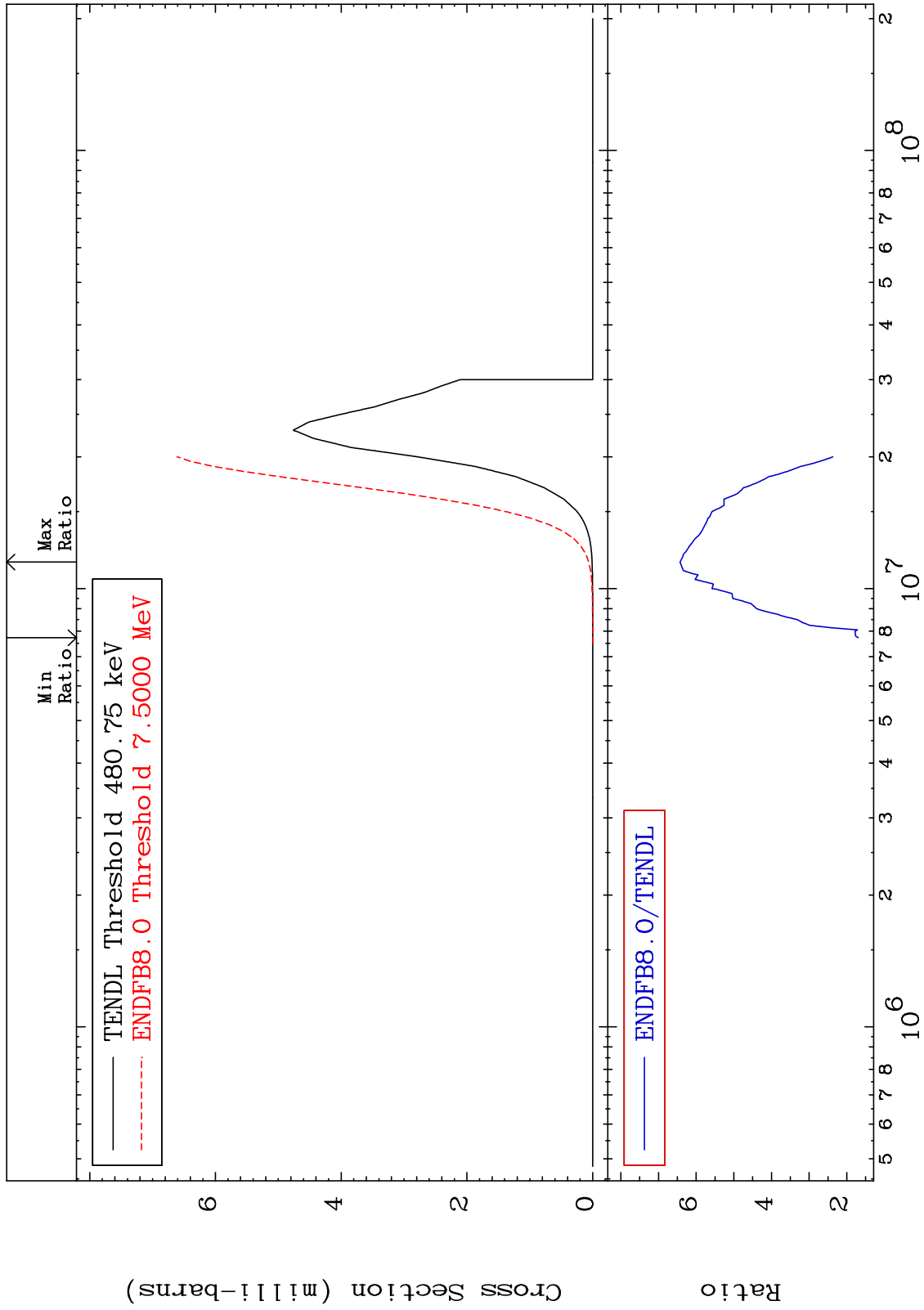
Incident Energy (eV)

54-Xe-136

MAT 5461

(n,  $\alpha$ )  
Cross Section

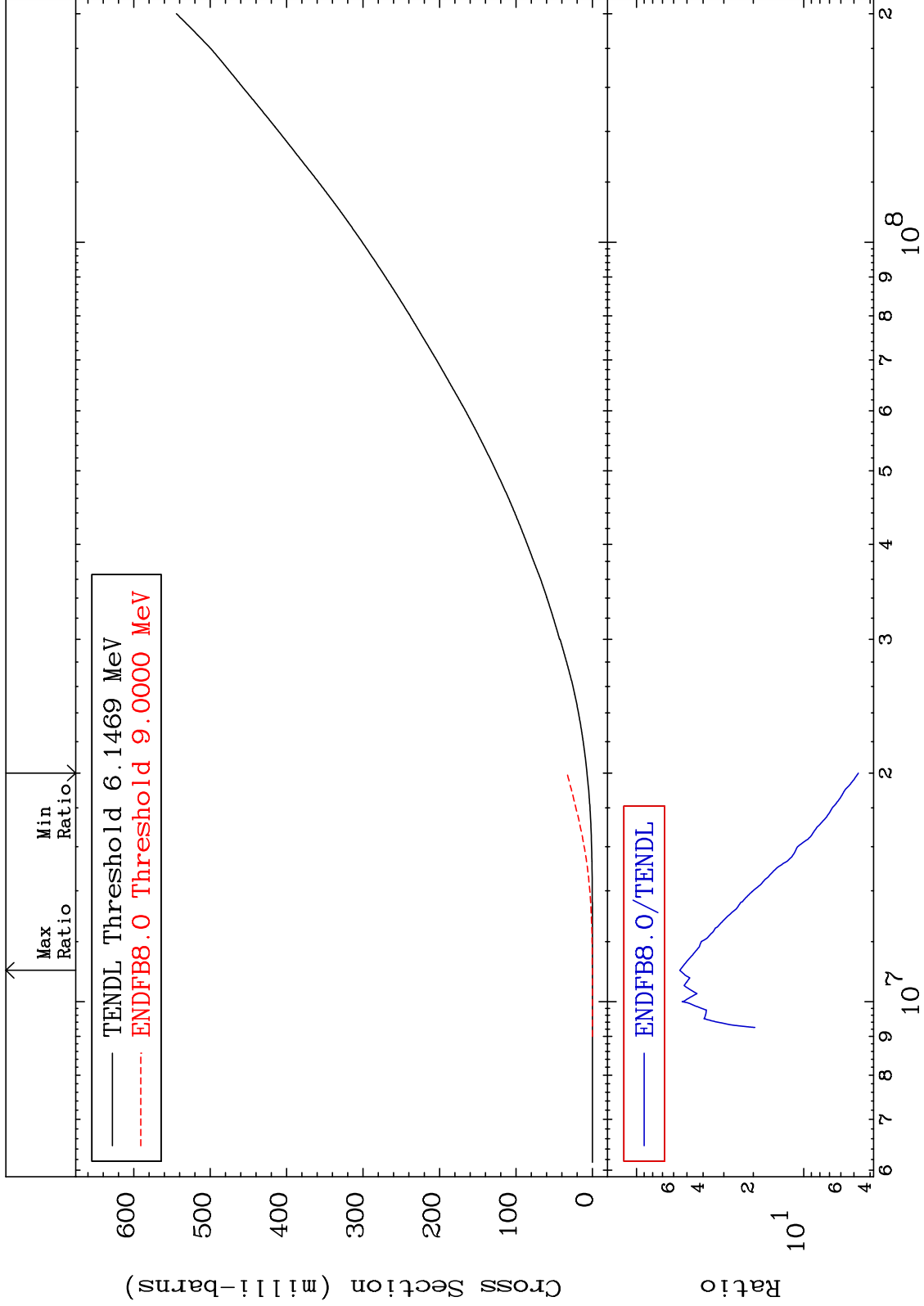
54-Xe-136  
69.15 To 542.8 %



MAT 5461

Hydrogen Production  
Cross Section

54-Xe-136  
370.8 To 5410. %



30

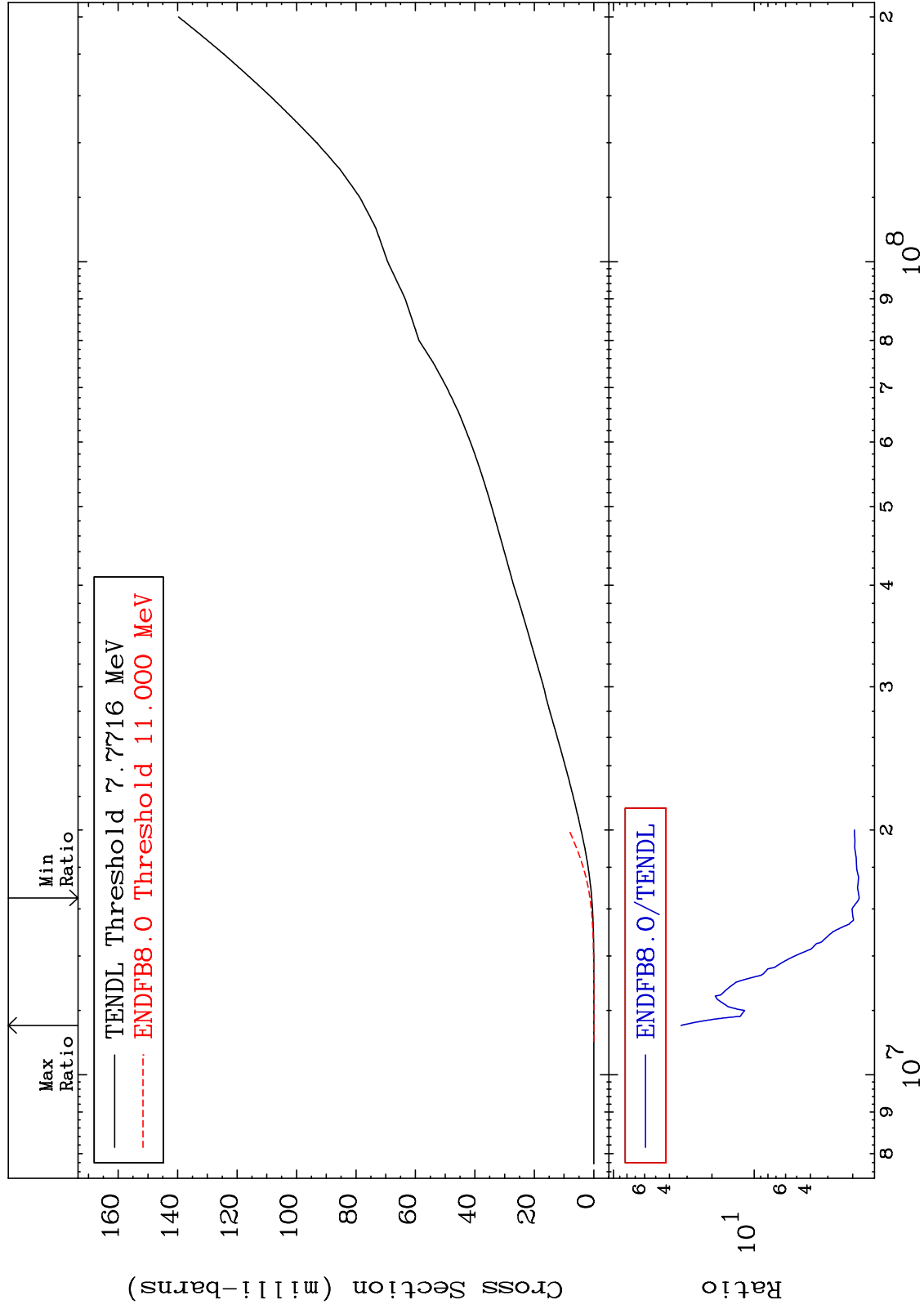
Incident Energy (eV)

54-Xe-136

MAT 5461

Deuterium Production  
Cross Section

54-Xe-136  
79.79 To 3208. %

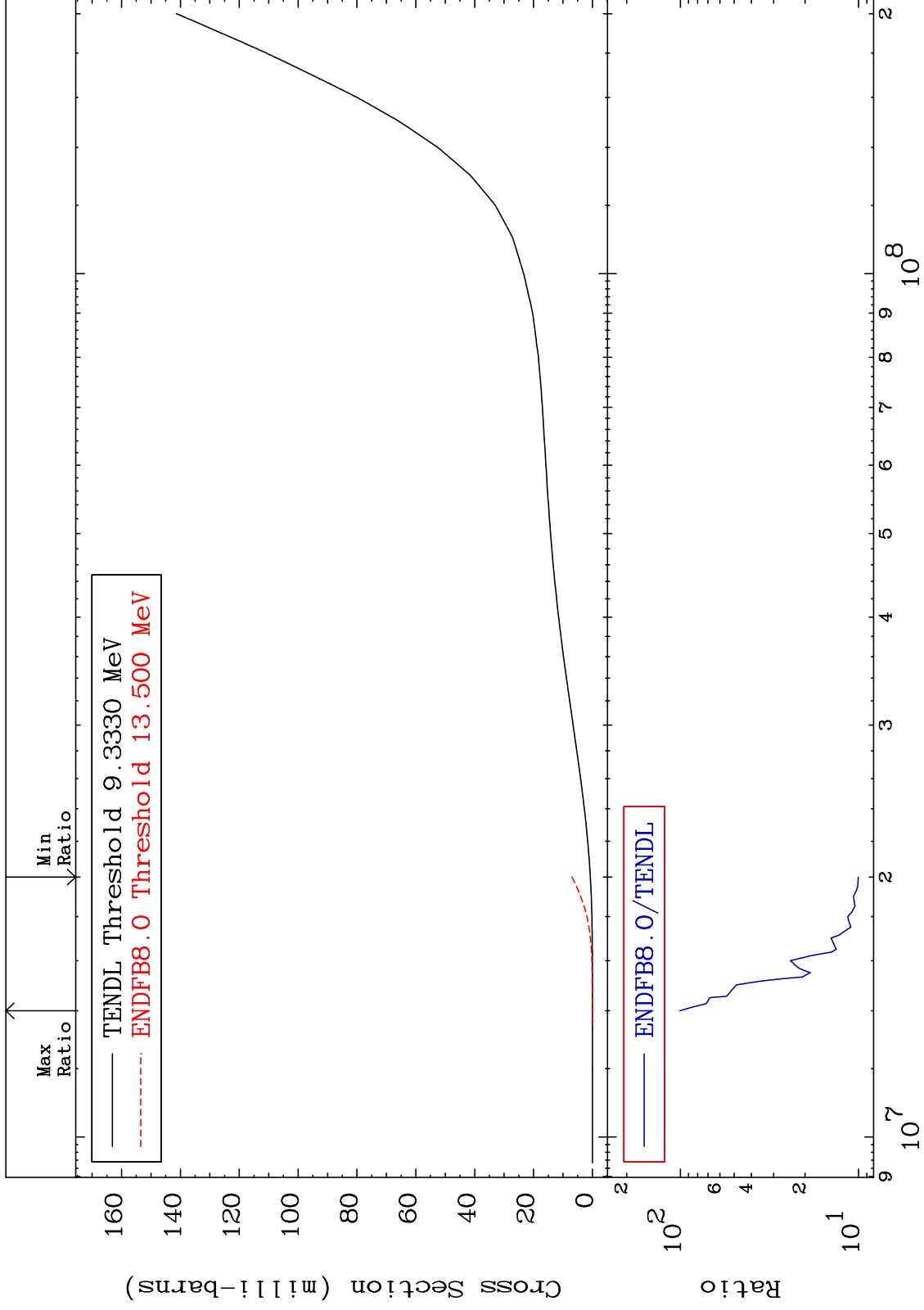




MAT 5461

Tritium Production  
Cross Section

54-Xe-136  
903.1 To 9976. %



32

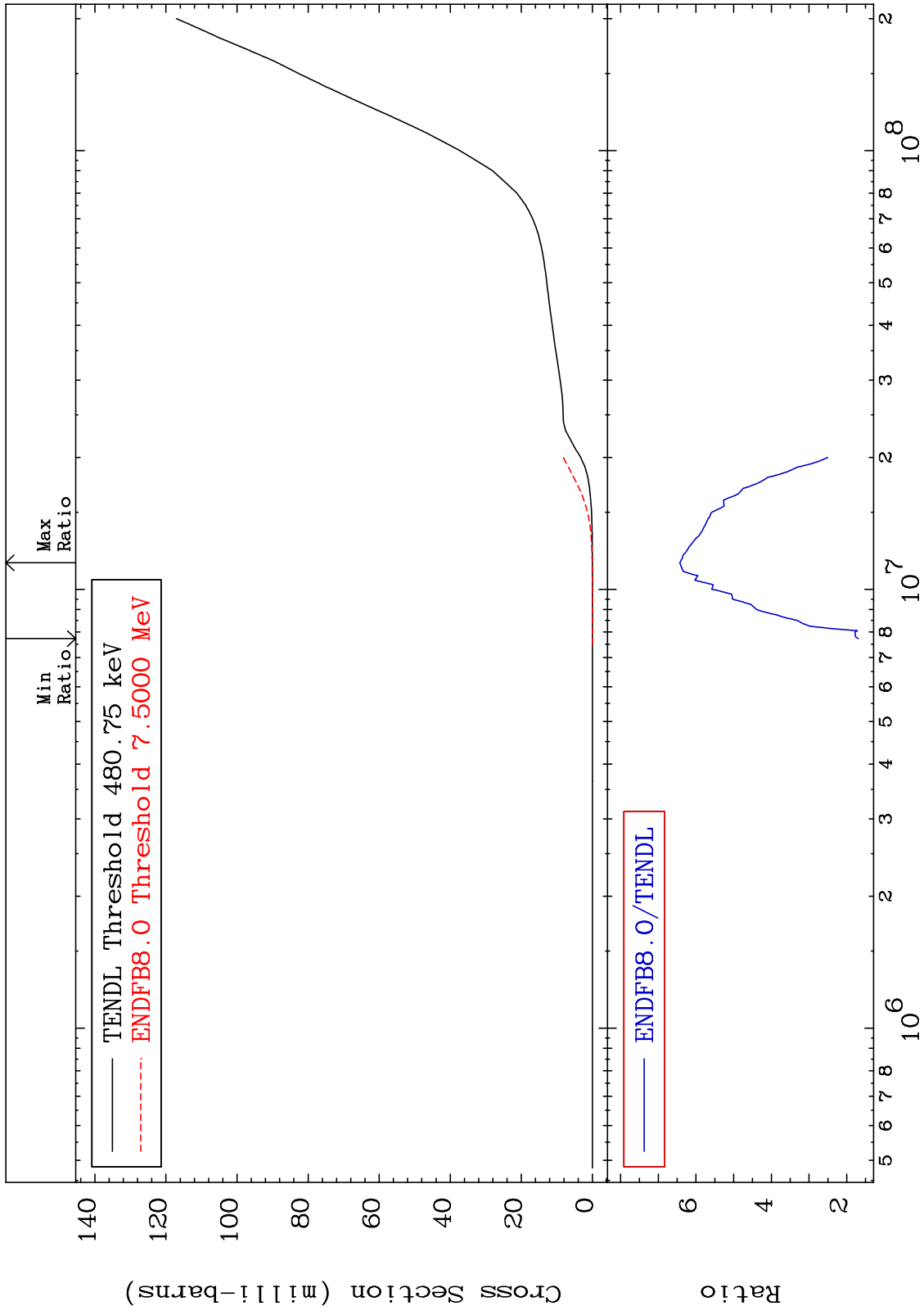
Incident Energy (eV)

54-Xe-136

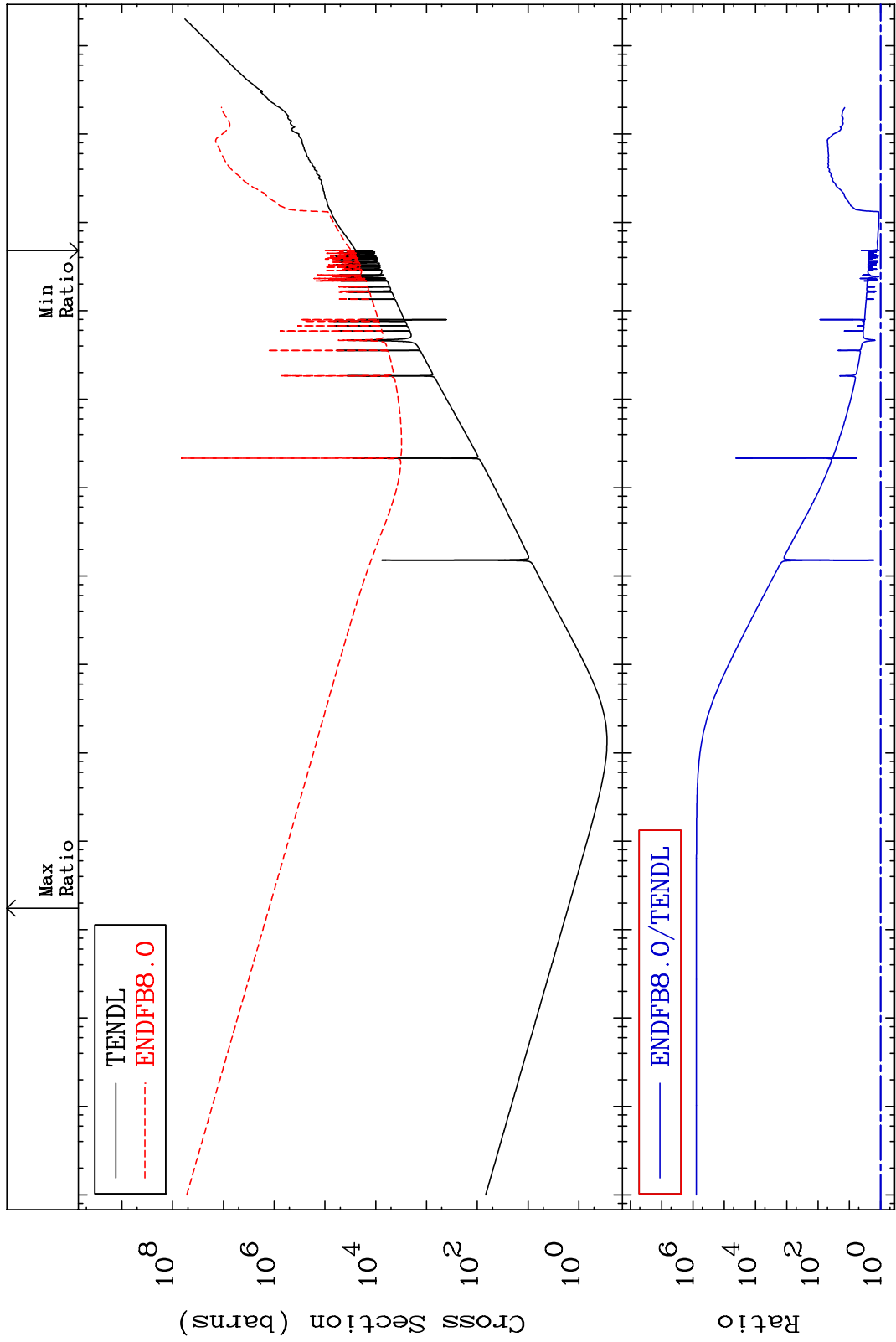
MAT 5461

He-4 Production  
Cross Section

54-Xe-136  
69.15 To 542.8 %



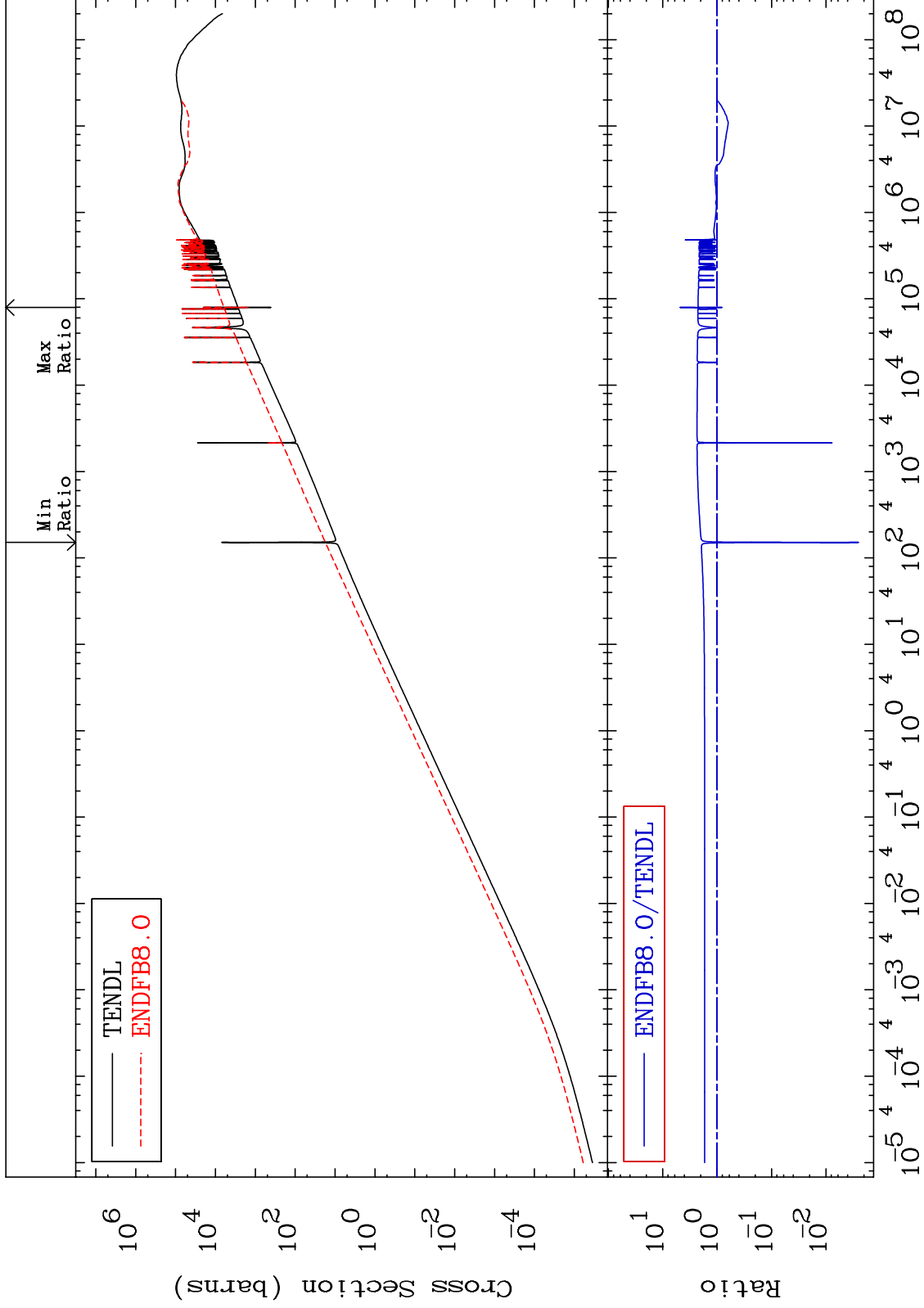
MAT 5461      Kerma total (eV-barns)      54-Xe-136  
 Cross Section      10.95 To 9999. %



MAT 5461

Kerma elastic  
Cross Section

54-Xe-136  
-99.75 To 384.7 %



35

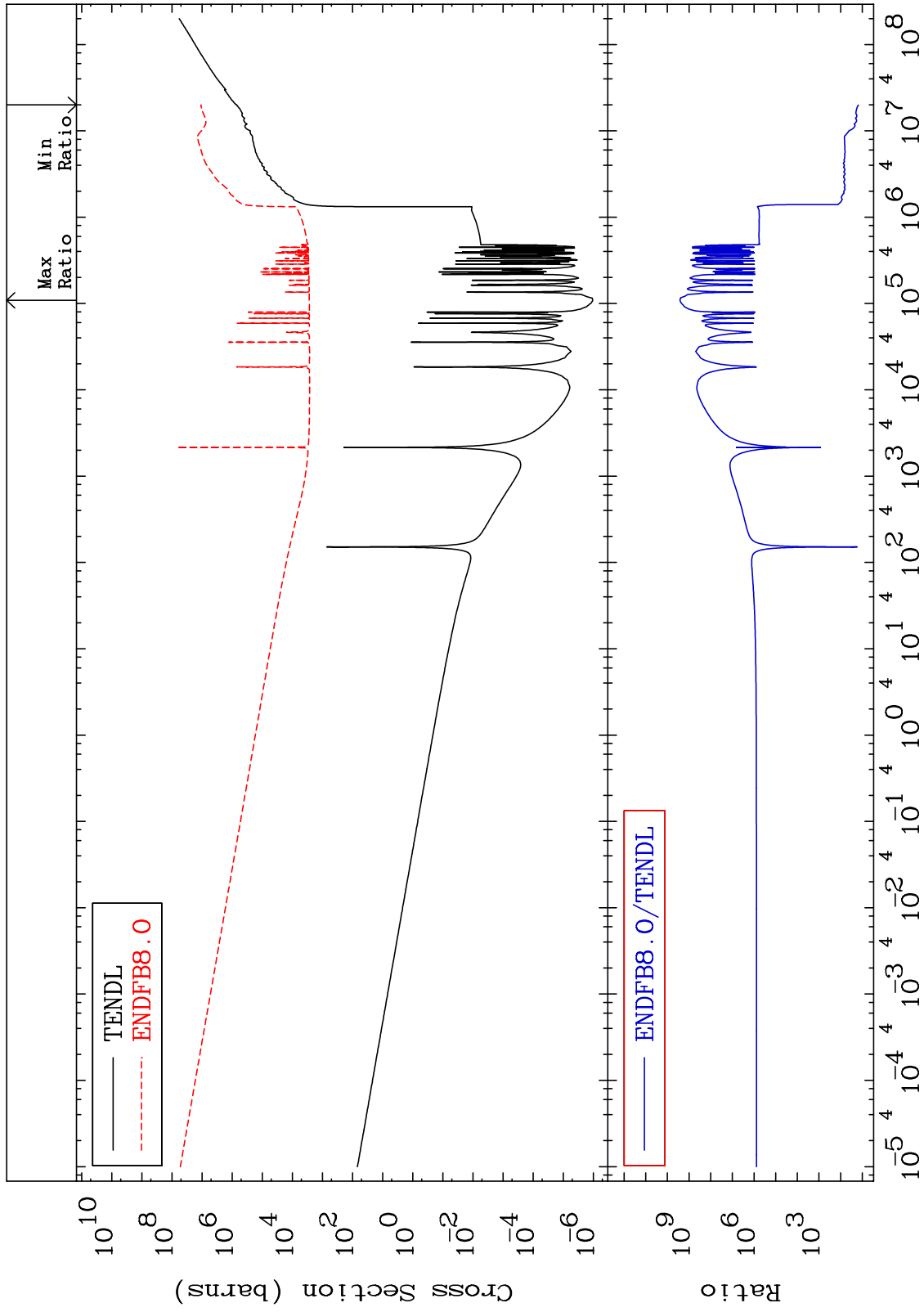
Incident Energy (eV)

54-Xe-136

MAT 5461

Kerma non-elastic (all but mt2)  
Cross Section

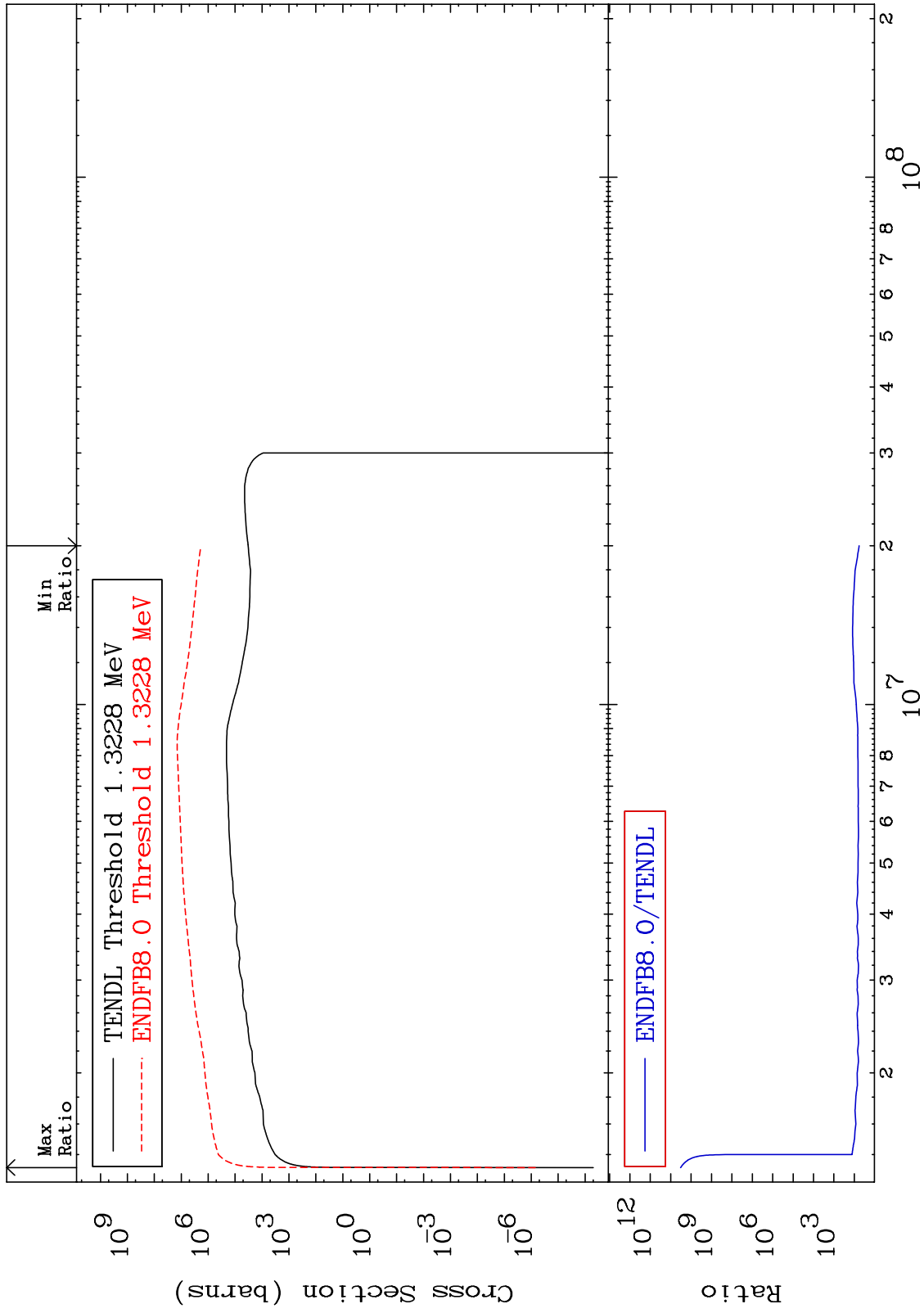
54-Xe-136  
1412. To 9999. %



MAT 5461

Kerma inelastic (mt51-91)  
Cross Section

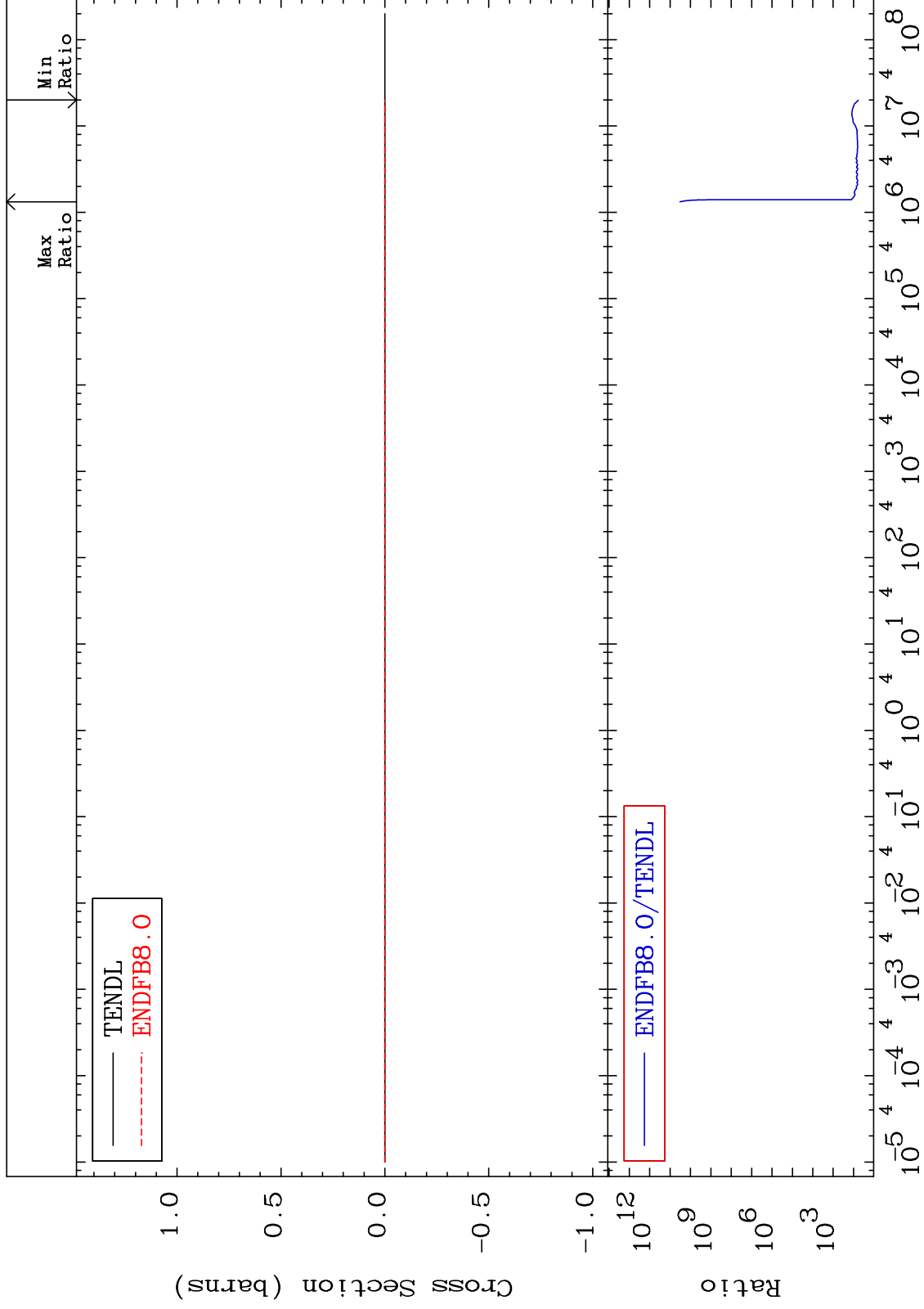
54-Xe-136  
5660. To 9999. %



MAT 5461

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

54-Xe-136  
5660. To 9999. %



38

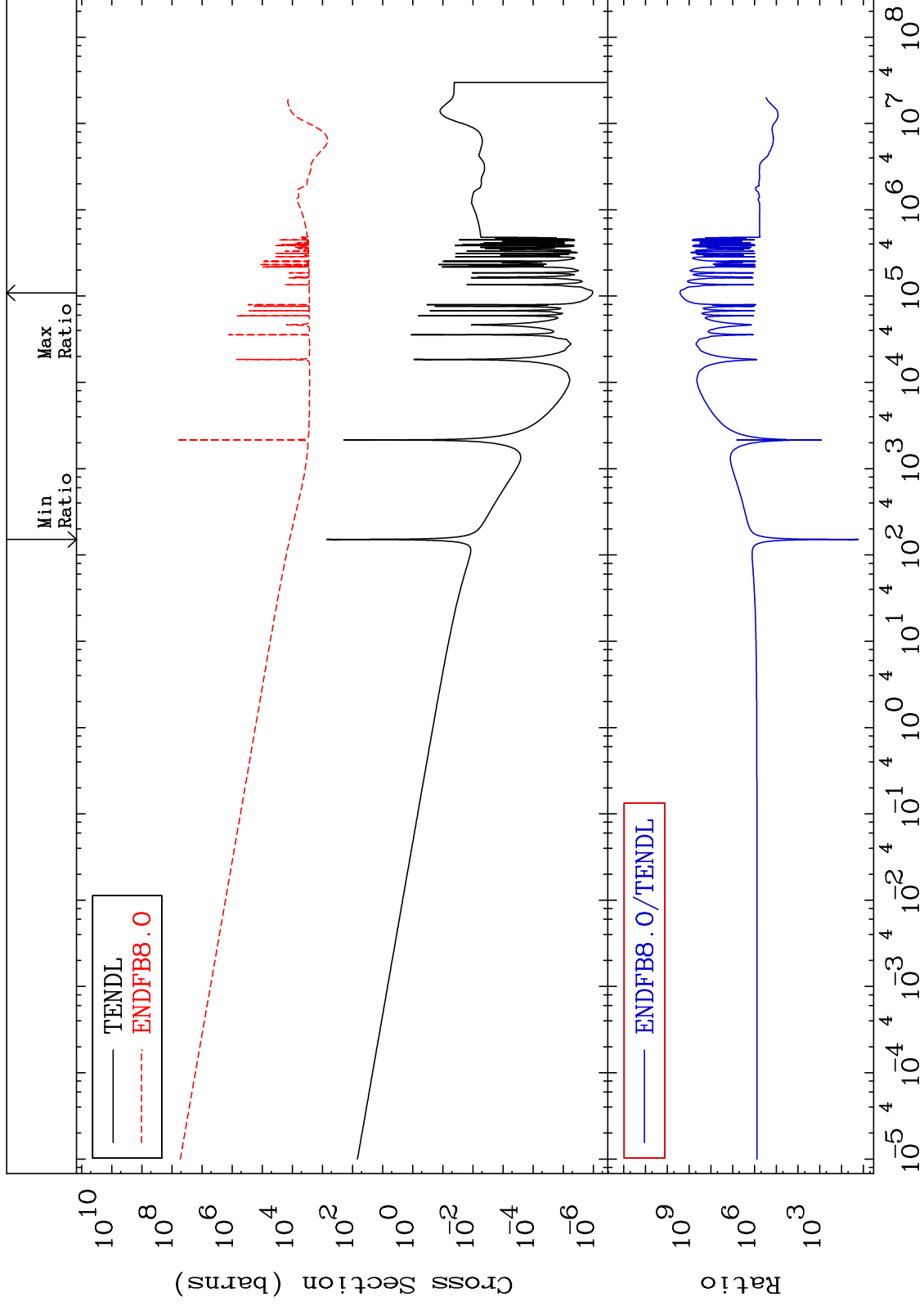
Incident Energy (eV)

54-Xe-136

MAT 5461

Kerma capture (mt102)  
Cross Section

54-Xe-136  
1600. To 9999. %

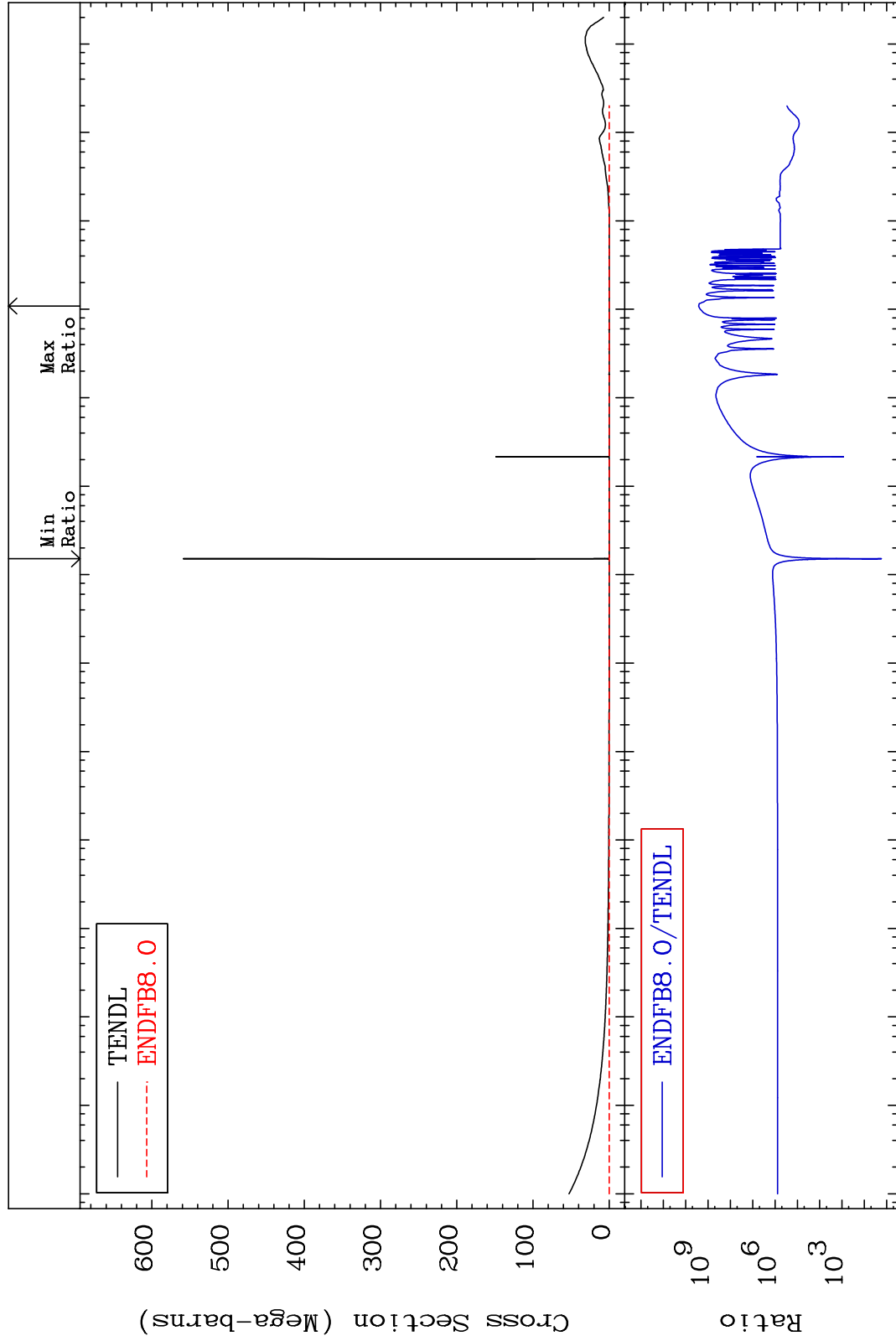




MAT 5461

Total photon (eV-barns)  
Cross Section

54-Xe-136  
1600. To 9999. %



40

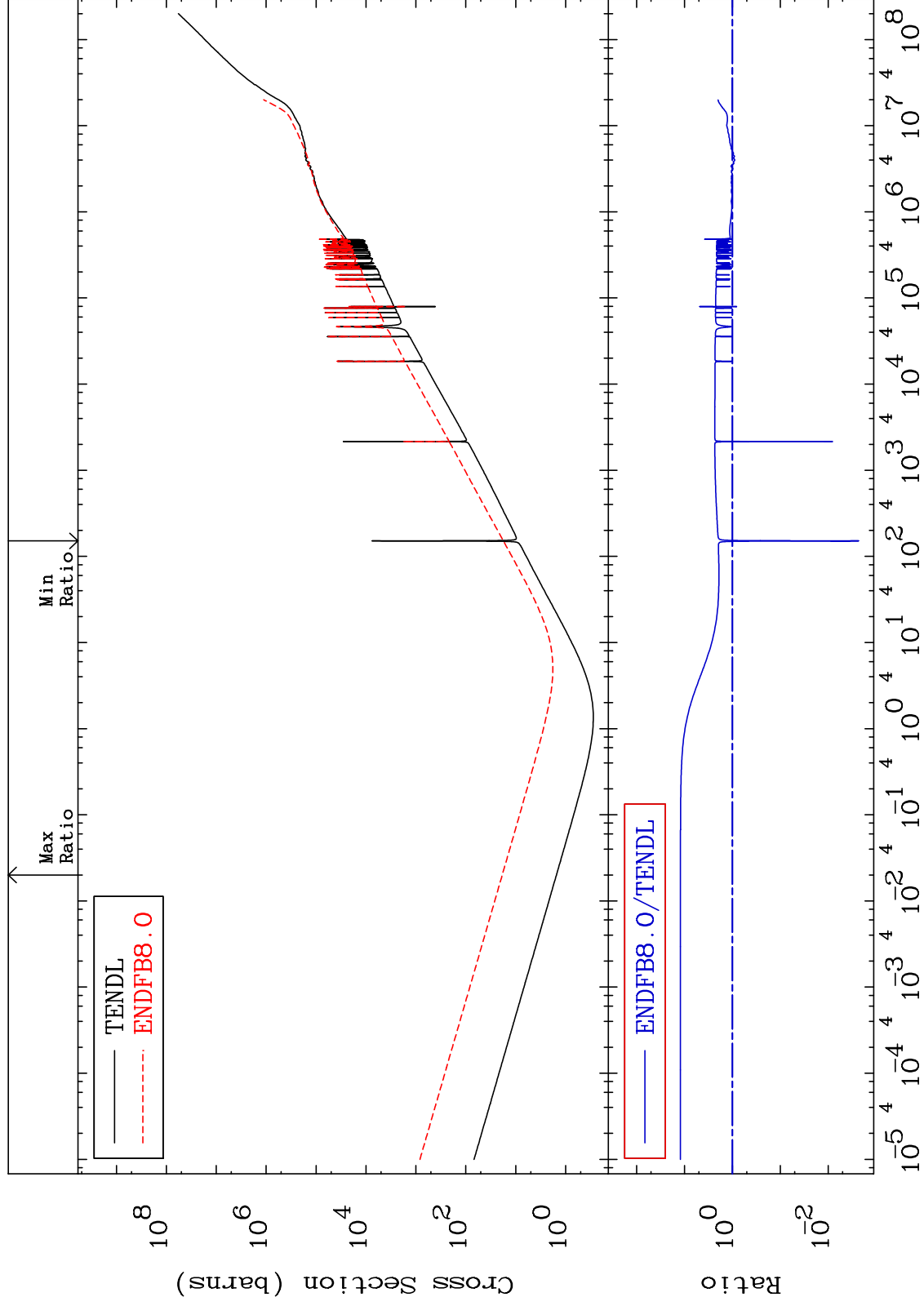
Incident Energy (eV)

54-Xe-136

MAT 5461

Total kinematic kerma (high limit)  
Cross Section

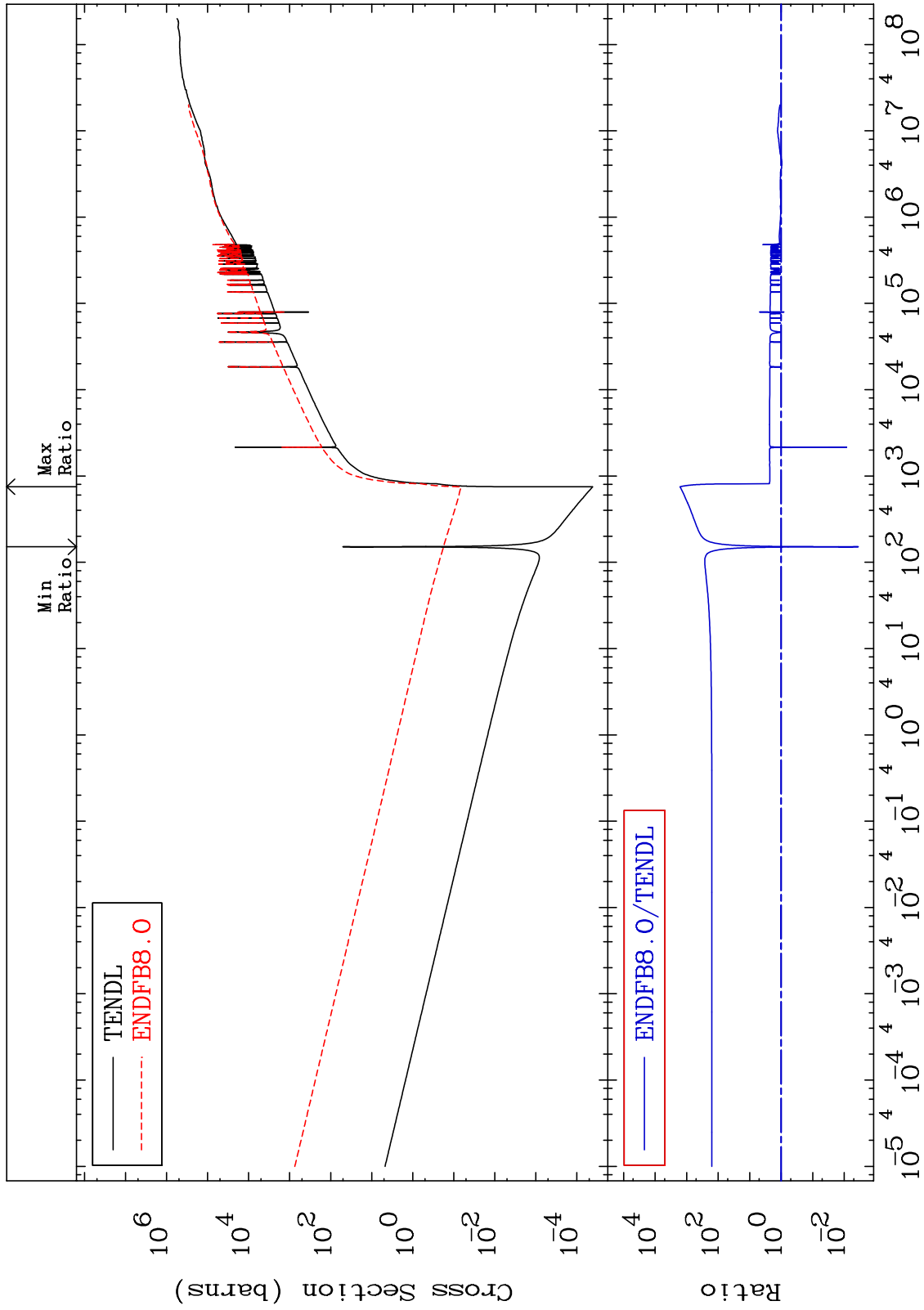
54-Xe-136  
-99.77 To 1118. %



MAT 5461

Dpa total (eV-barns)  
Cross Section

54-Xe-136  
-99.65 To 9999. %



42

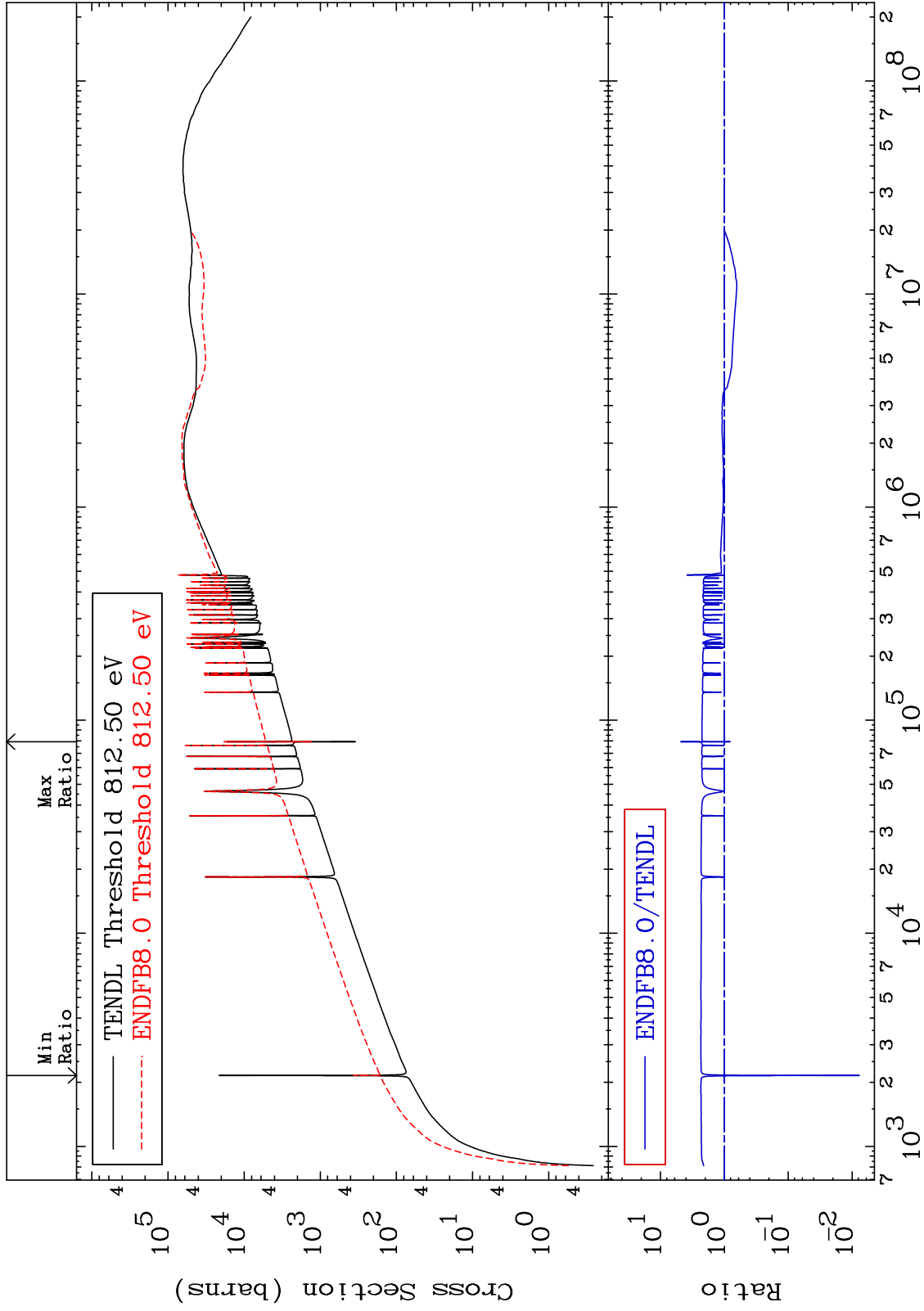
Incident Energy (eV)

54-Xe-136

MAT 5461

Dpa elastic (mt2)  
Cross Section

54-Xe-136  
-99.22 To 384.9 %



43

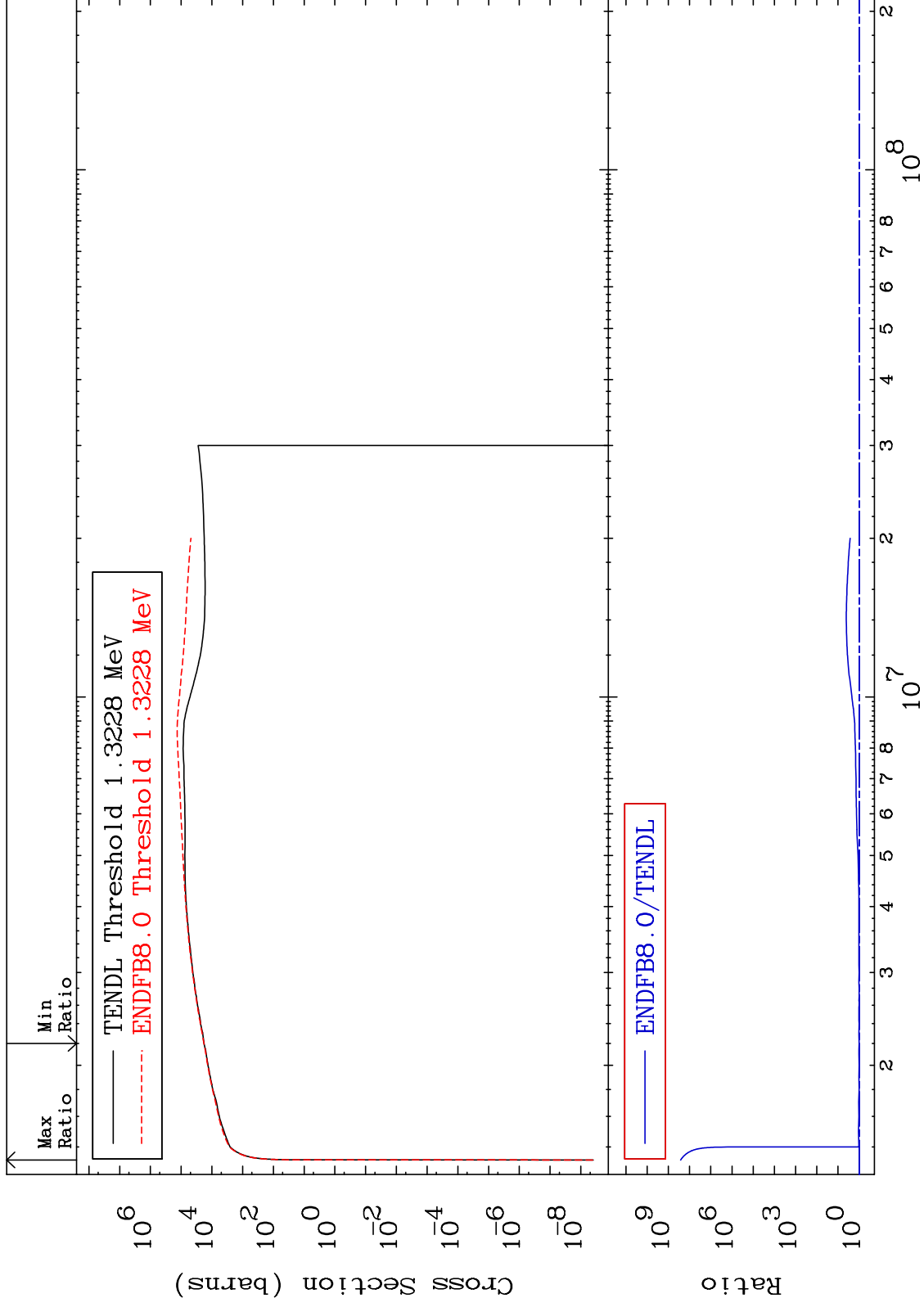
Incident Energy (eV)

54-Xe-136

MAT 5461

Dpa inelastic (mt51-91)  
Cross Section

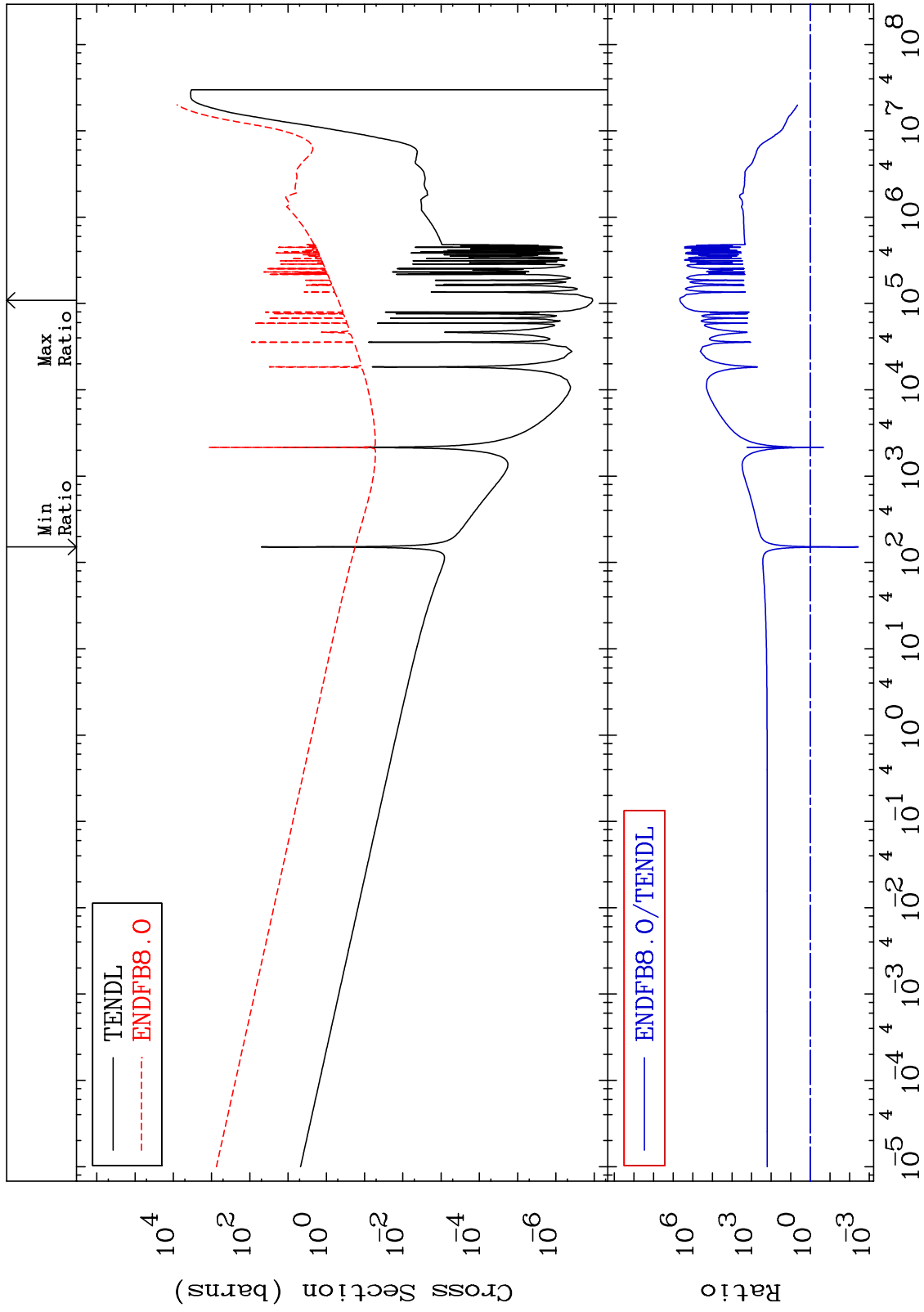
54-Xe-136  
0.853 To 9999. %



MAT 5461

Dpa disappearance (mt102 -120)  
Cross Section

54-Xe-136  
-99.65 To 9999. %



45

Incident Energy (eV)

54-Xe-136