

Program Complot
(Version 2018-1)

by

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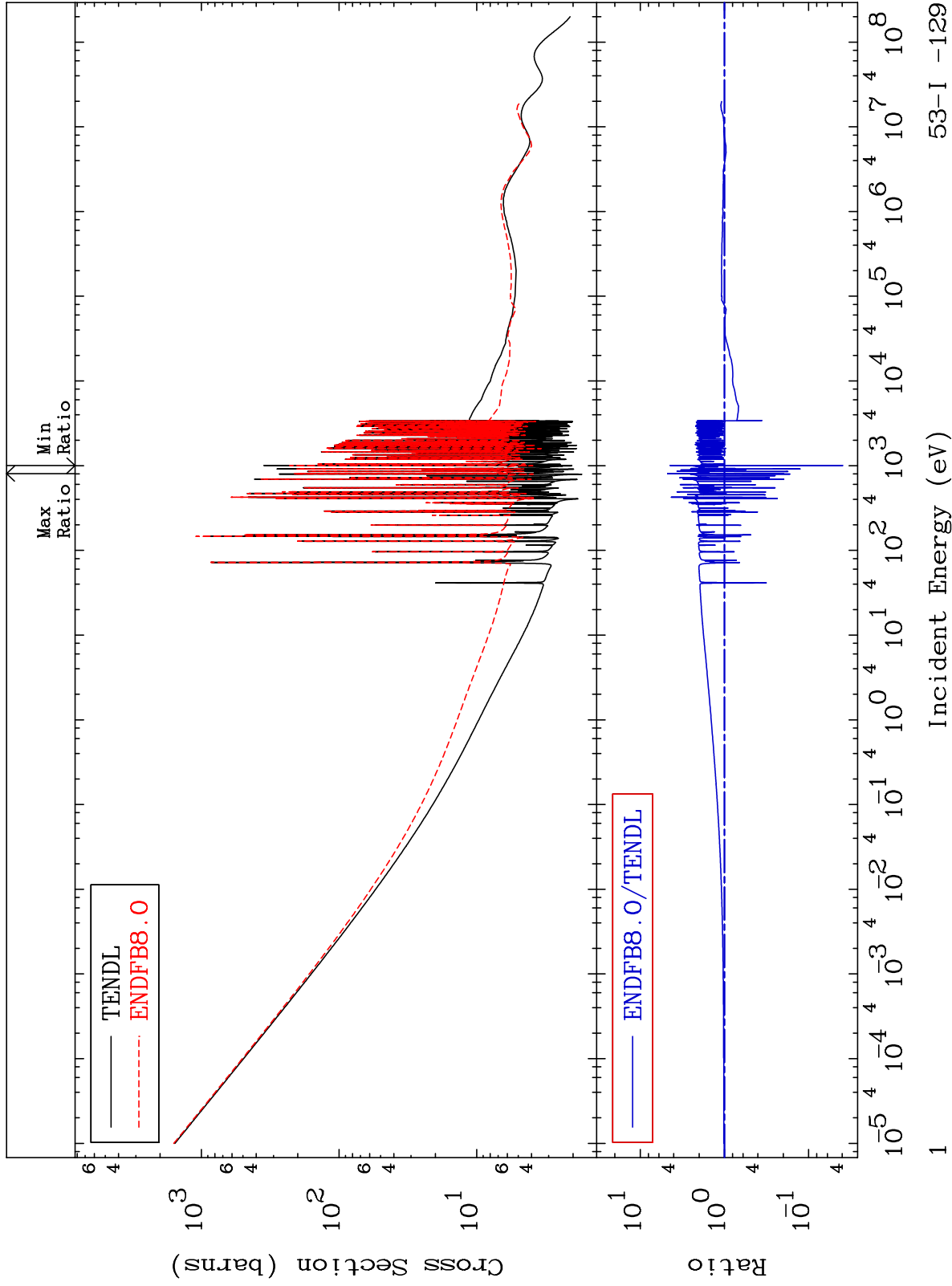
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5331

Total
Cross Section

53-I -129
-96.06 To 373.5 %



53-I -129

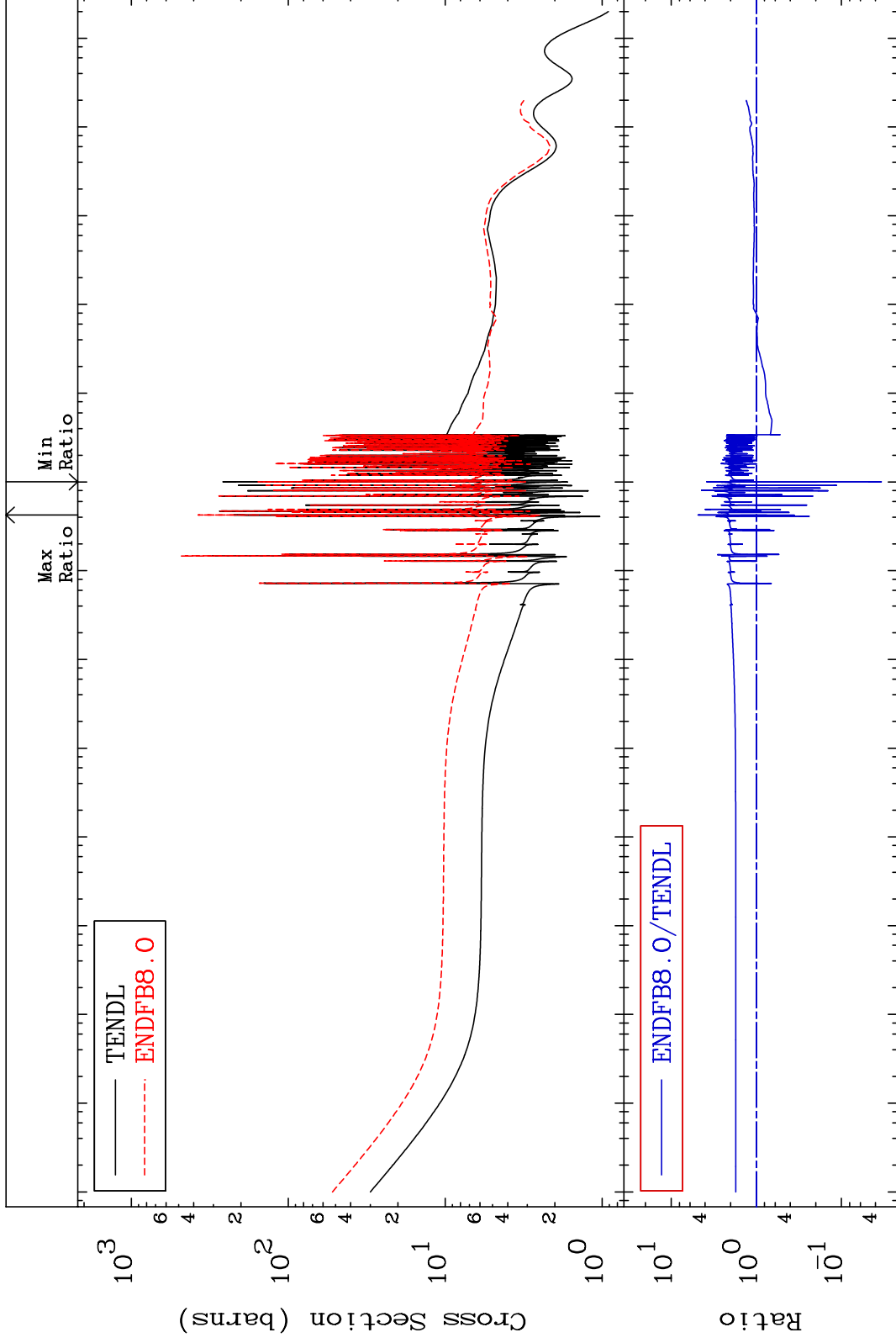
MAT 5331

Elastic

Cross Section

53-I -129

-96.62 To 381.4 %



Incident Energy (eV)

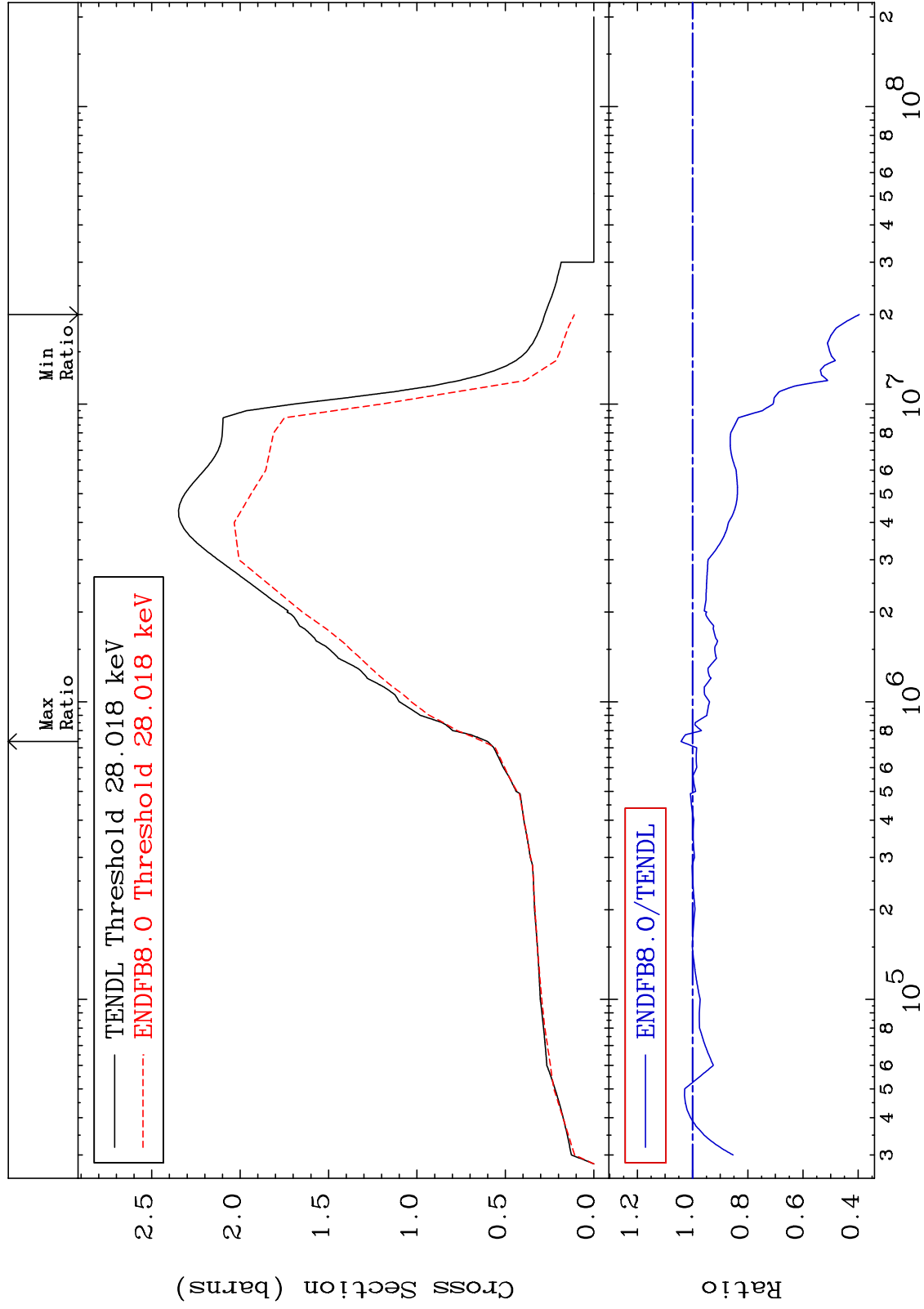
53-I -129

2

MAT 5331

Inelastic
Cross Section

53-I -129
-60.39 To 4.184 %



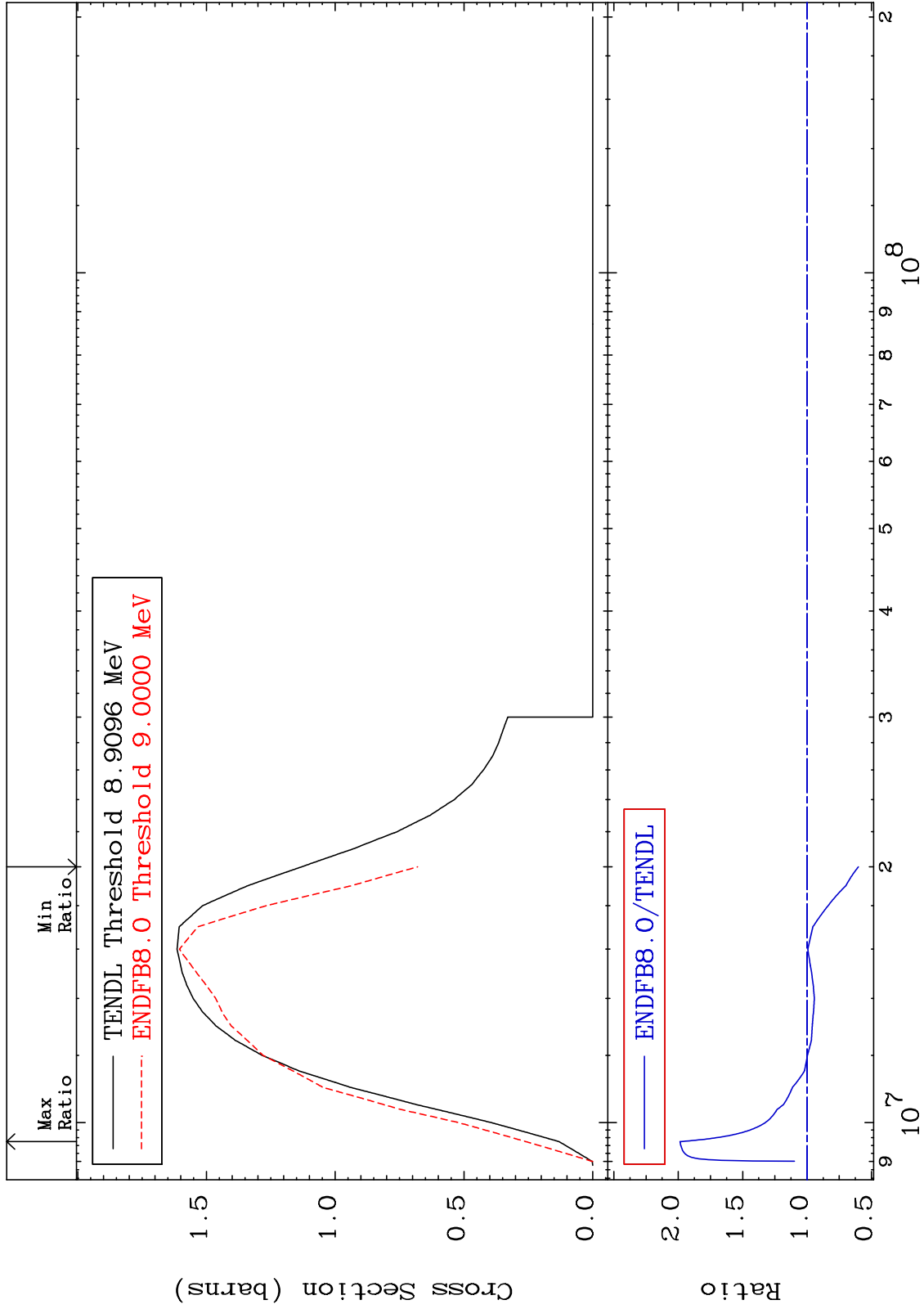
MAT 5331

(n,2n)

53-I -129

Cross Section

-39.85 To 98.63 %



4

Incident Energy (eV)

53-I -129

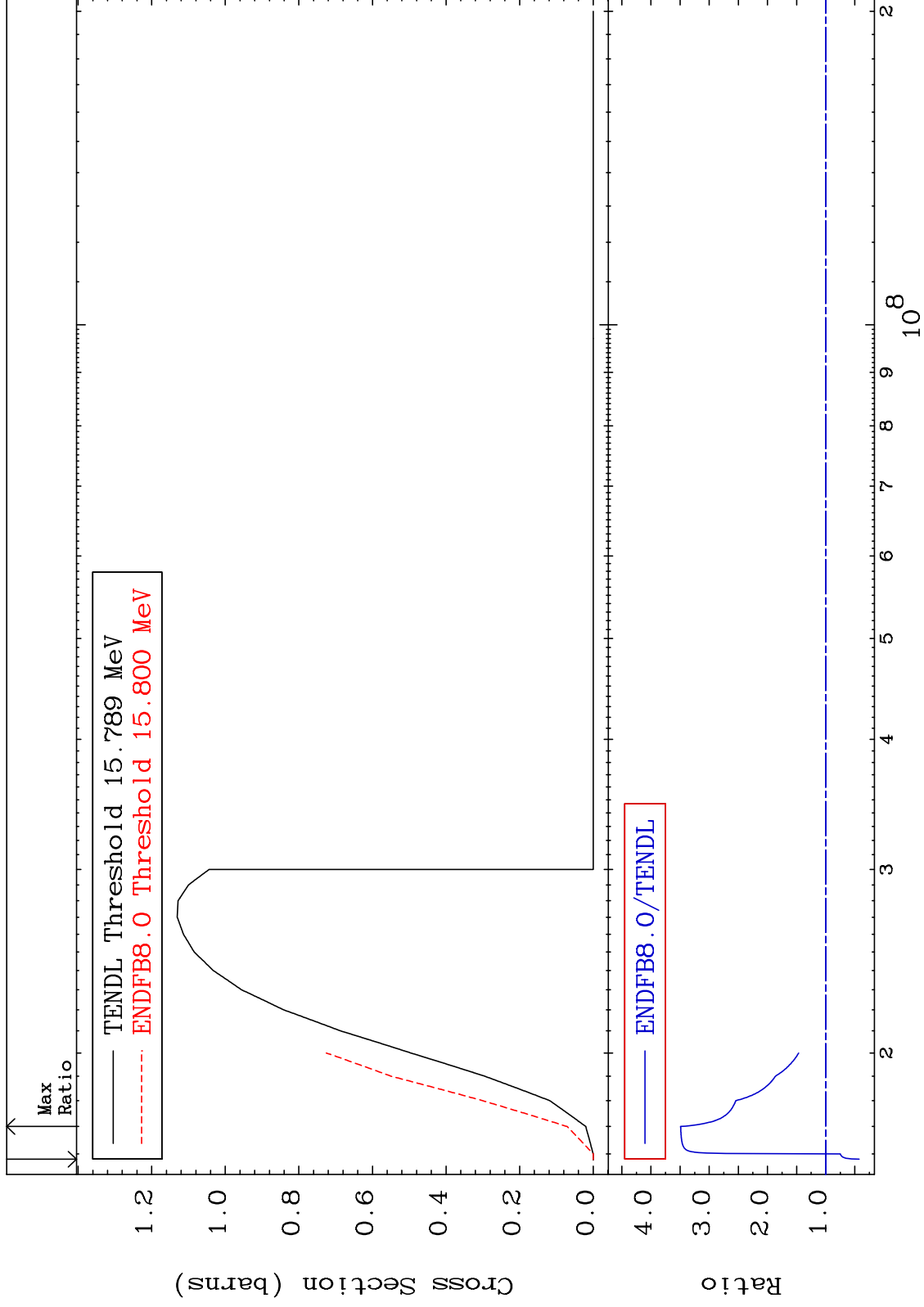
MAT 5331

(n, 3n)

53-I -129

Cross Section

-57.43 To 249.1 %



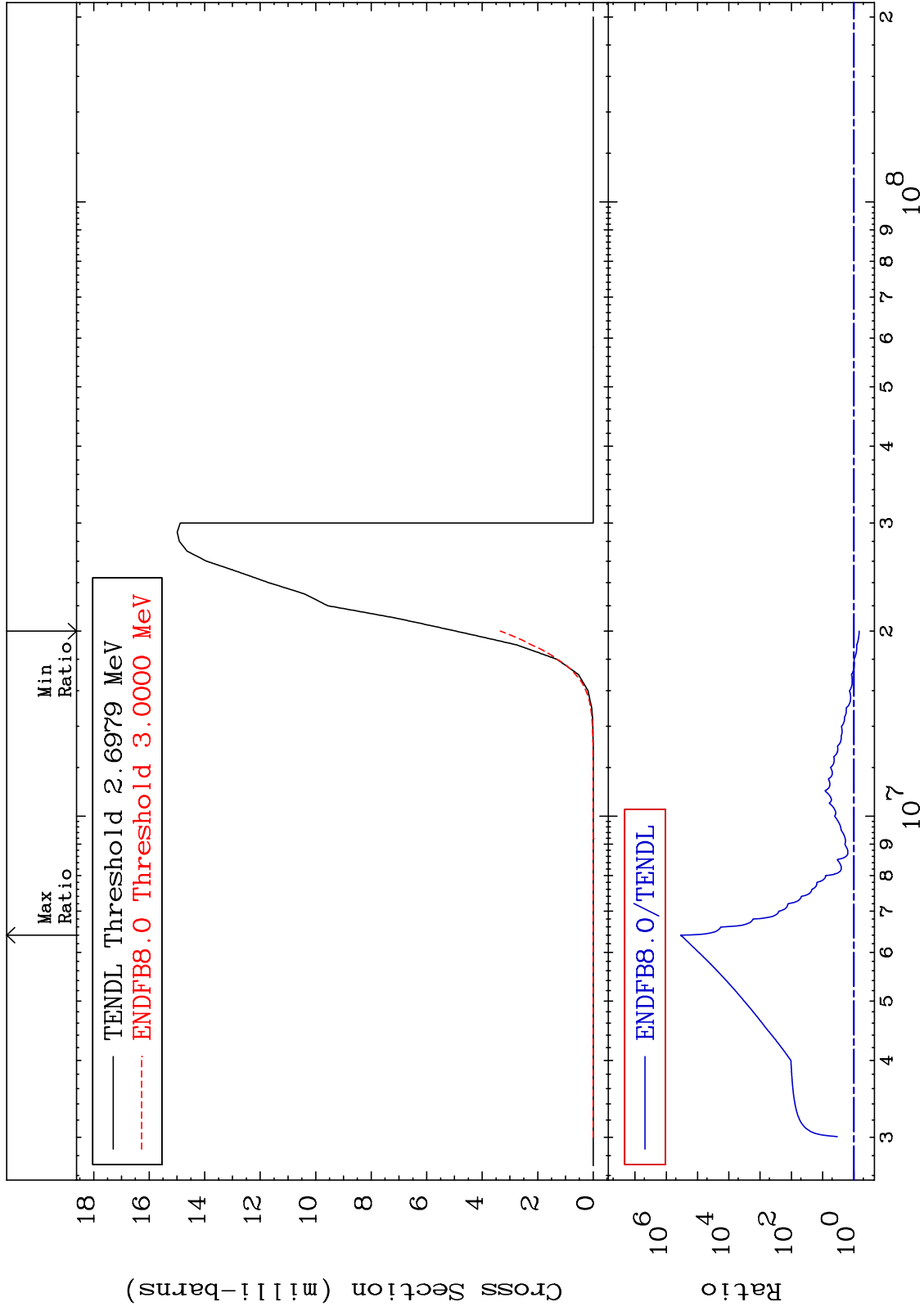
MAT 5331

(n,n') α

53-I -129

-32.24 To 9999. %

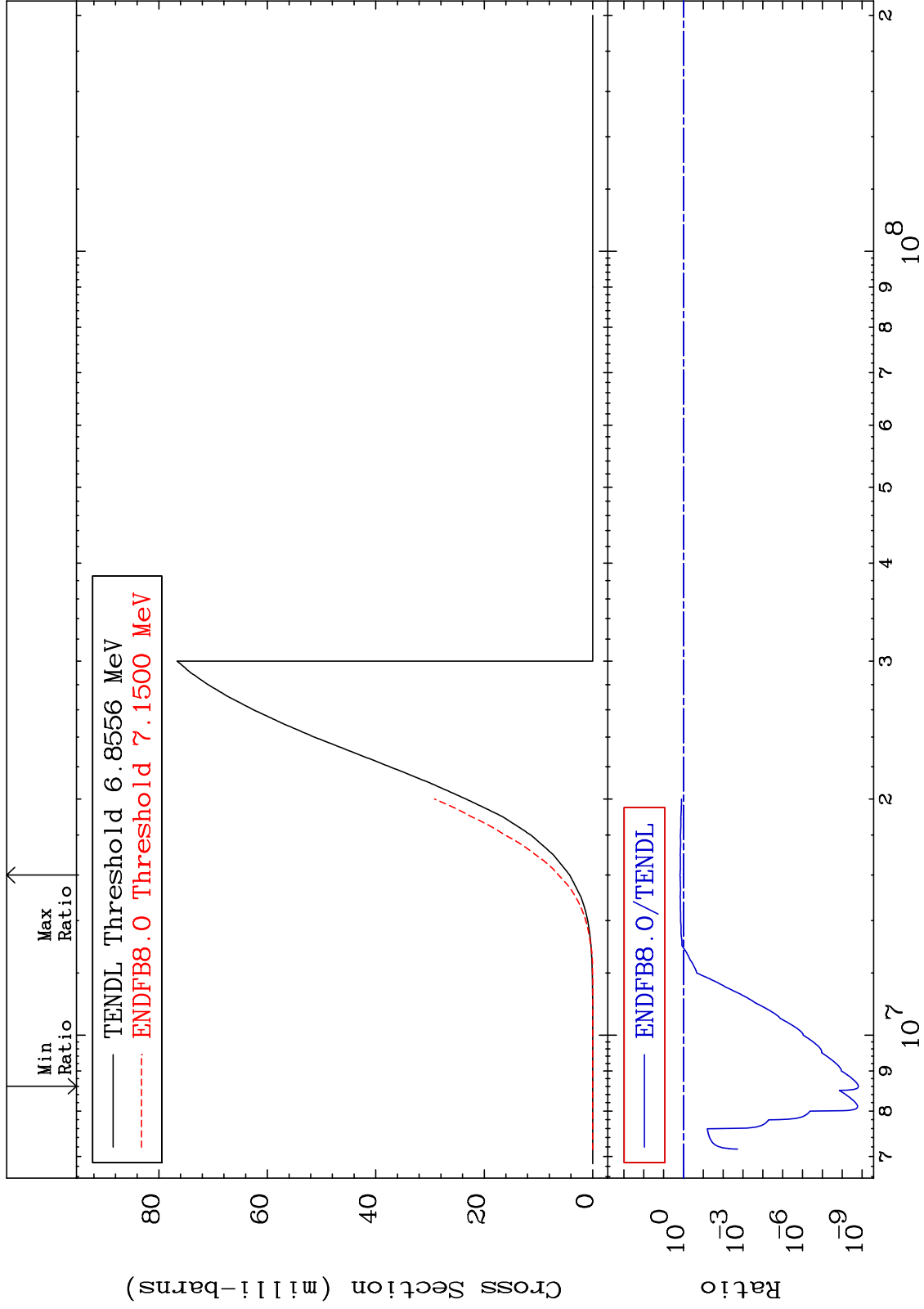
Cross Section



MAT 5331

(n,n') p
Cross Section

53-I -129
-100.0 To 48.43 %



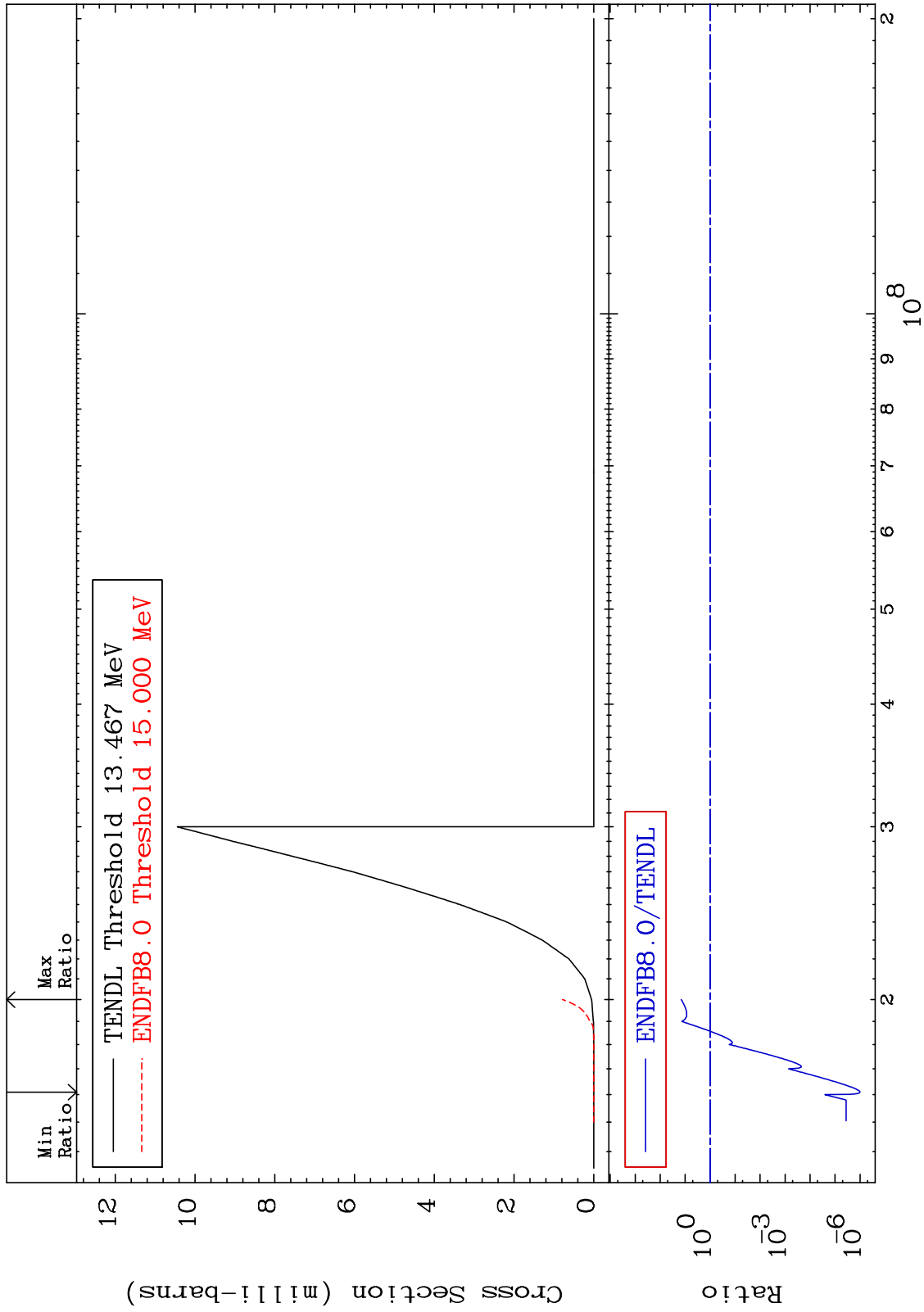
7

Incident Energy (eV)

53-I -129

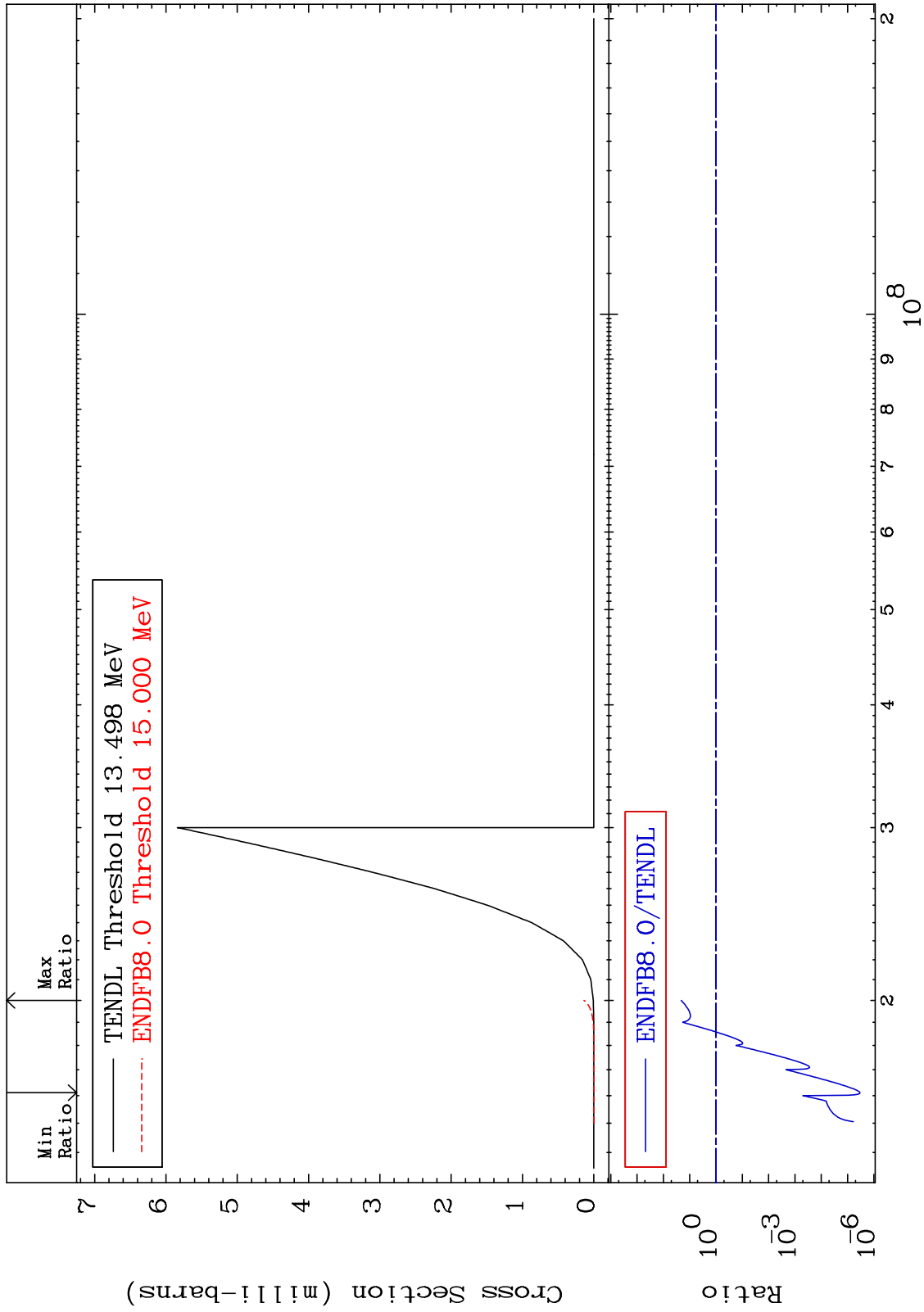
Cross Section

-100.0 To 1339. %



Cross Section

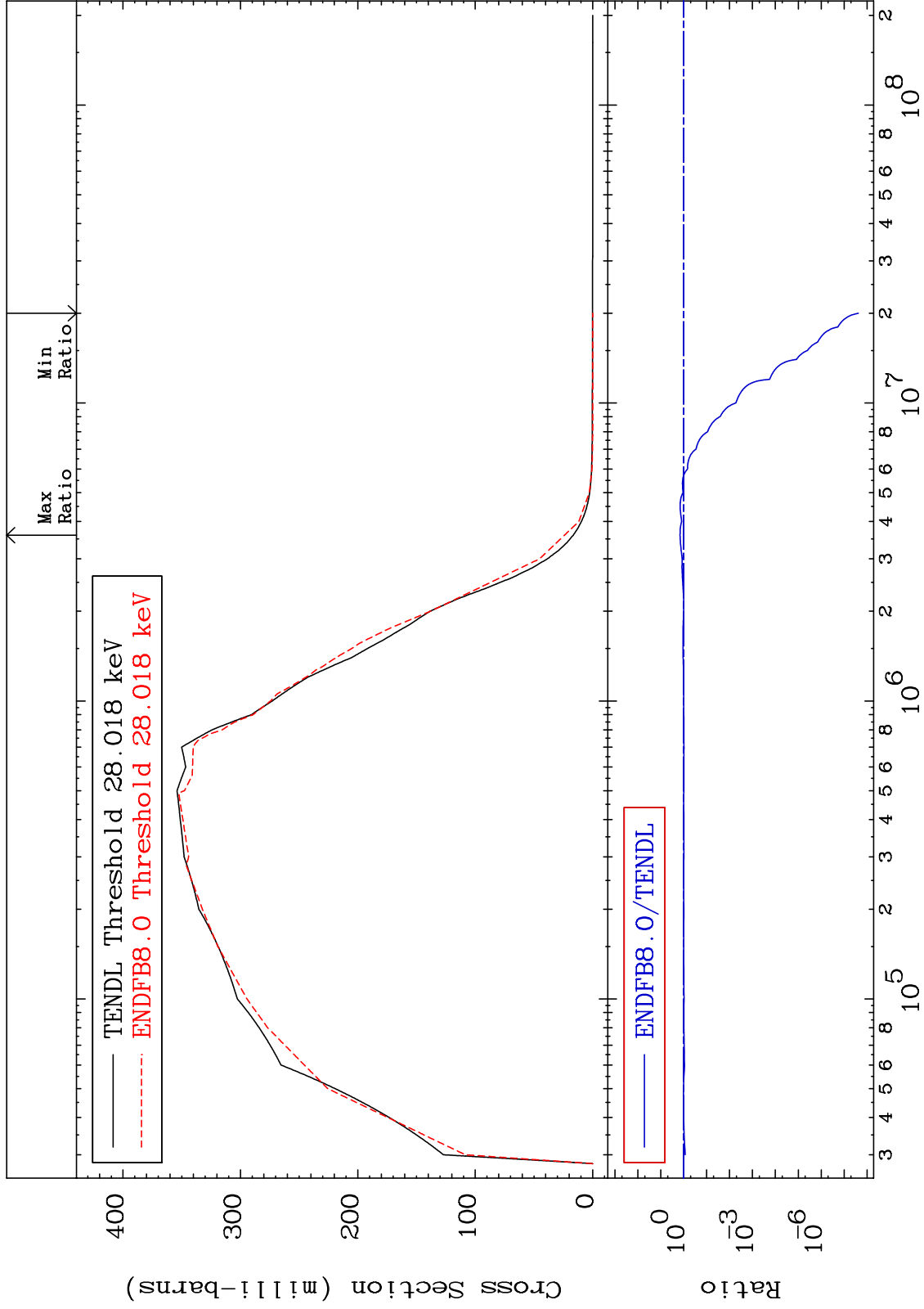
-100.0 To 1993. %



MAT 5331

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

53-I -129
-100.0 To 45.00 %



10

Incident Energy (eV)

53-I -129

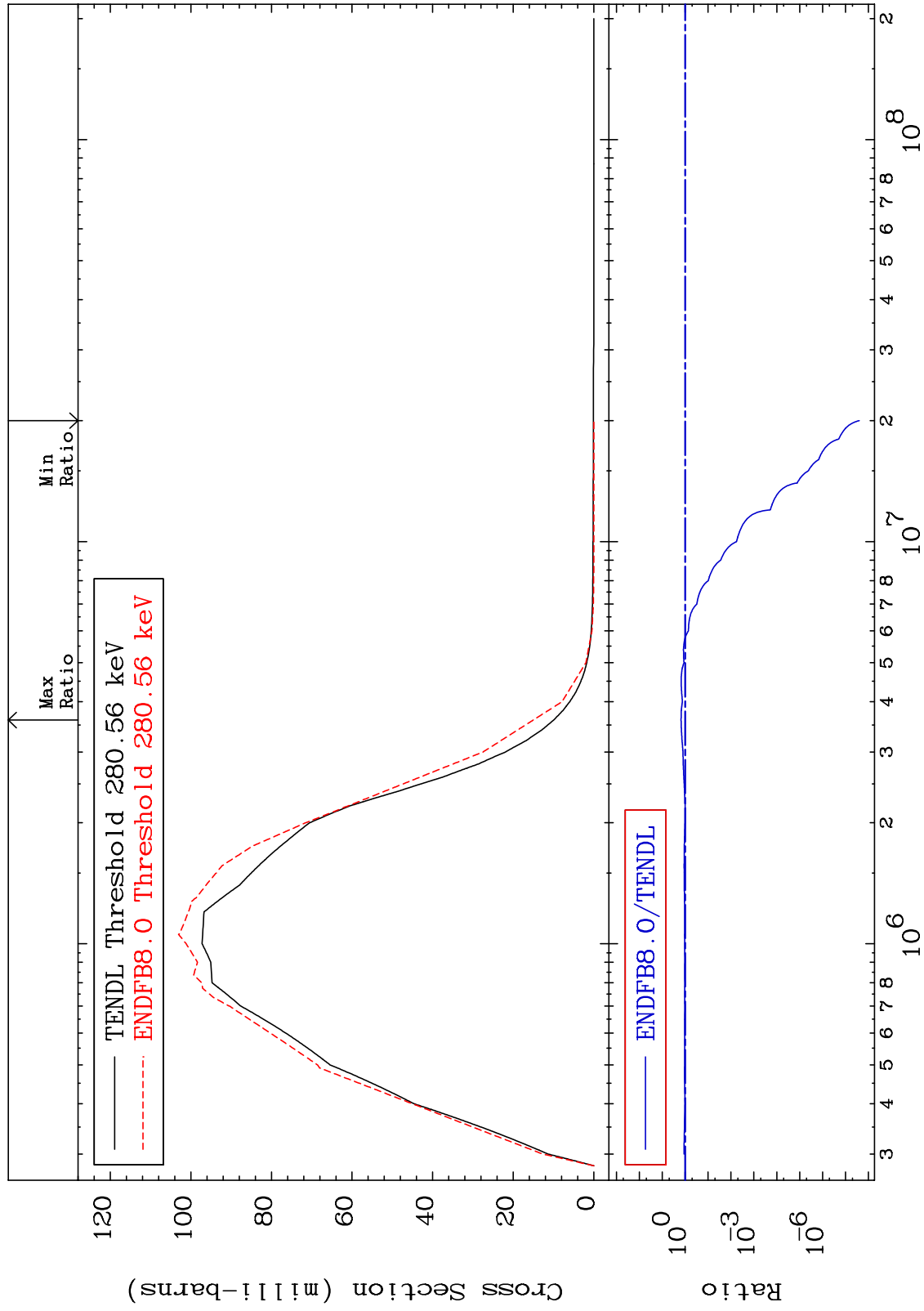
MAT 5331

MT= 52 (n,n') Level

53-I -129

-100.0 To 51.05 %

Cross Section



11

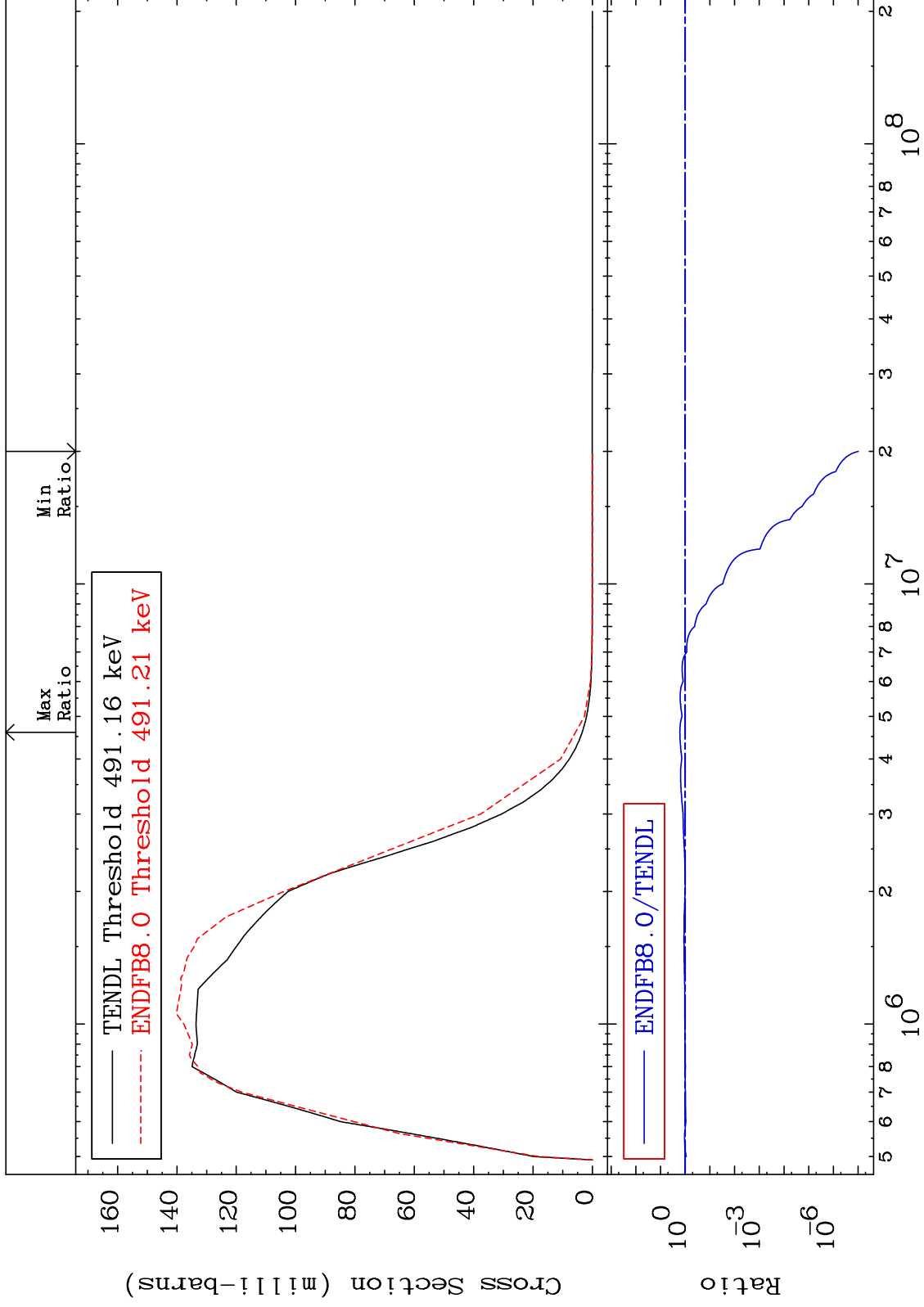
Incident Energy (eV)

53-I -129

MAT 5331

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

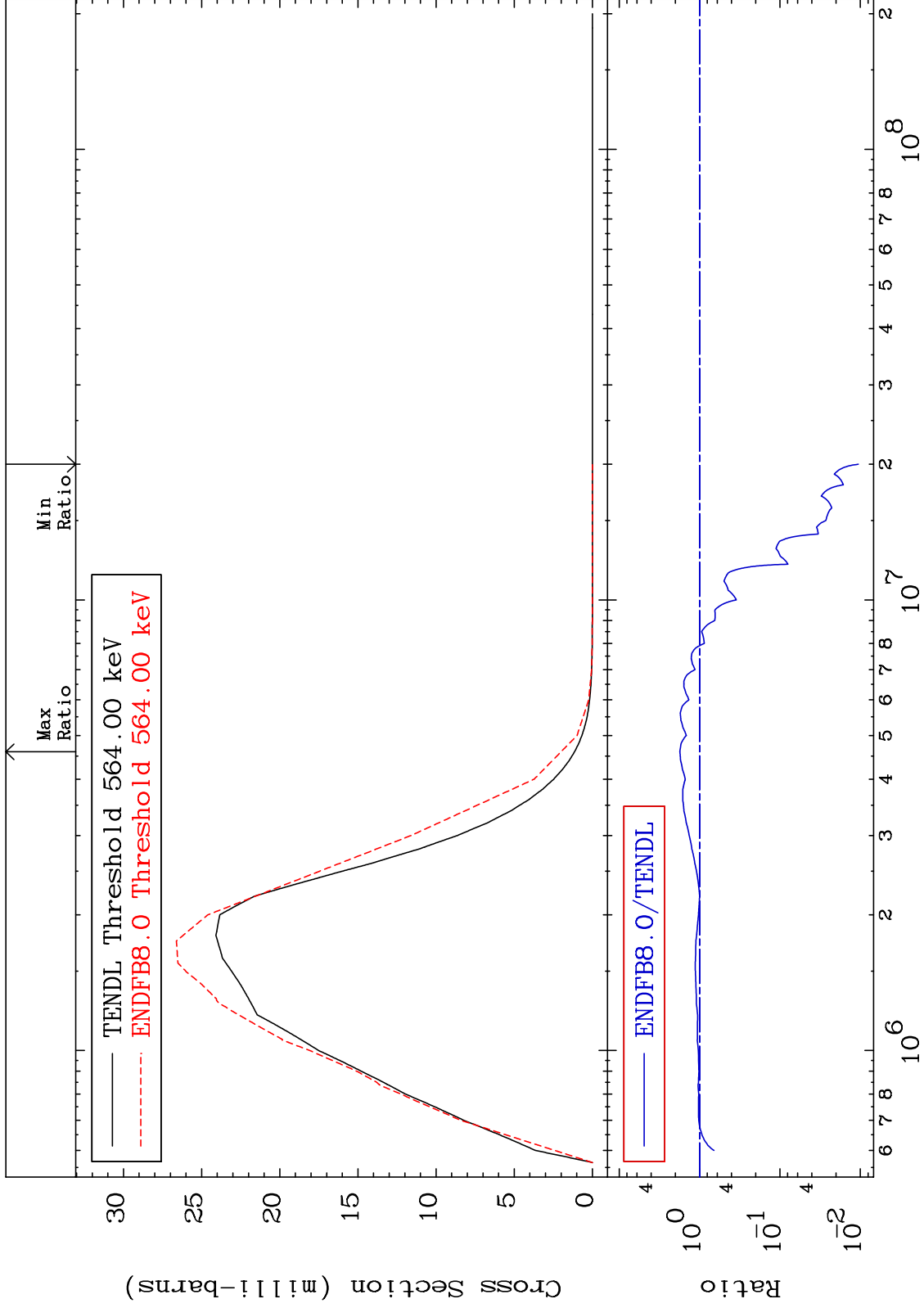
53-I -129
-100.0 To 65.81 %



MAT 5331

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

53-I -129
-98.94 To 75.94 %



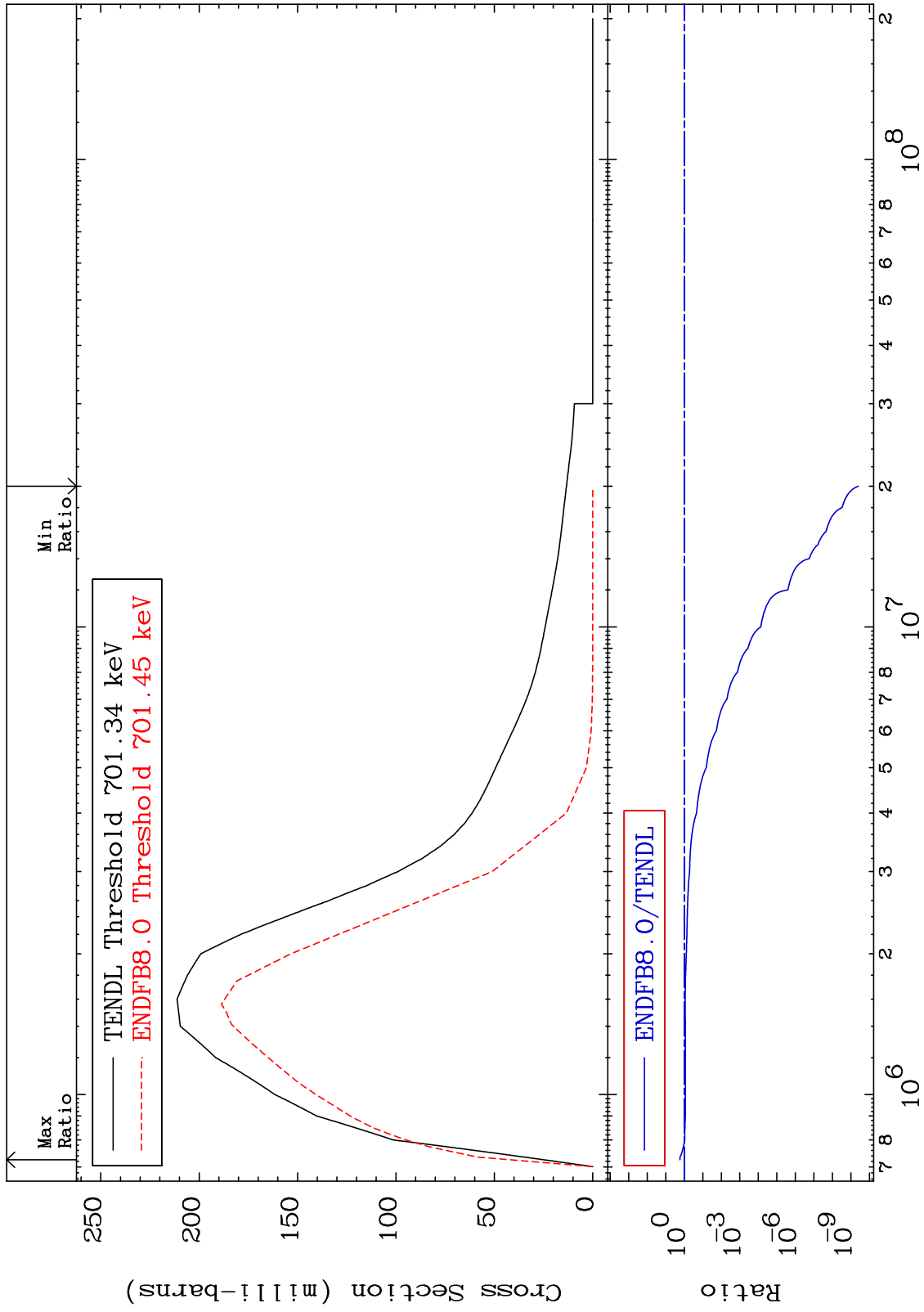
13

53-I -129

MAT 5331

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

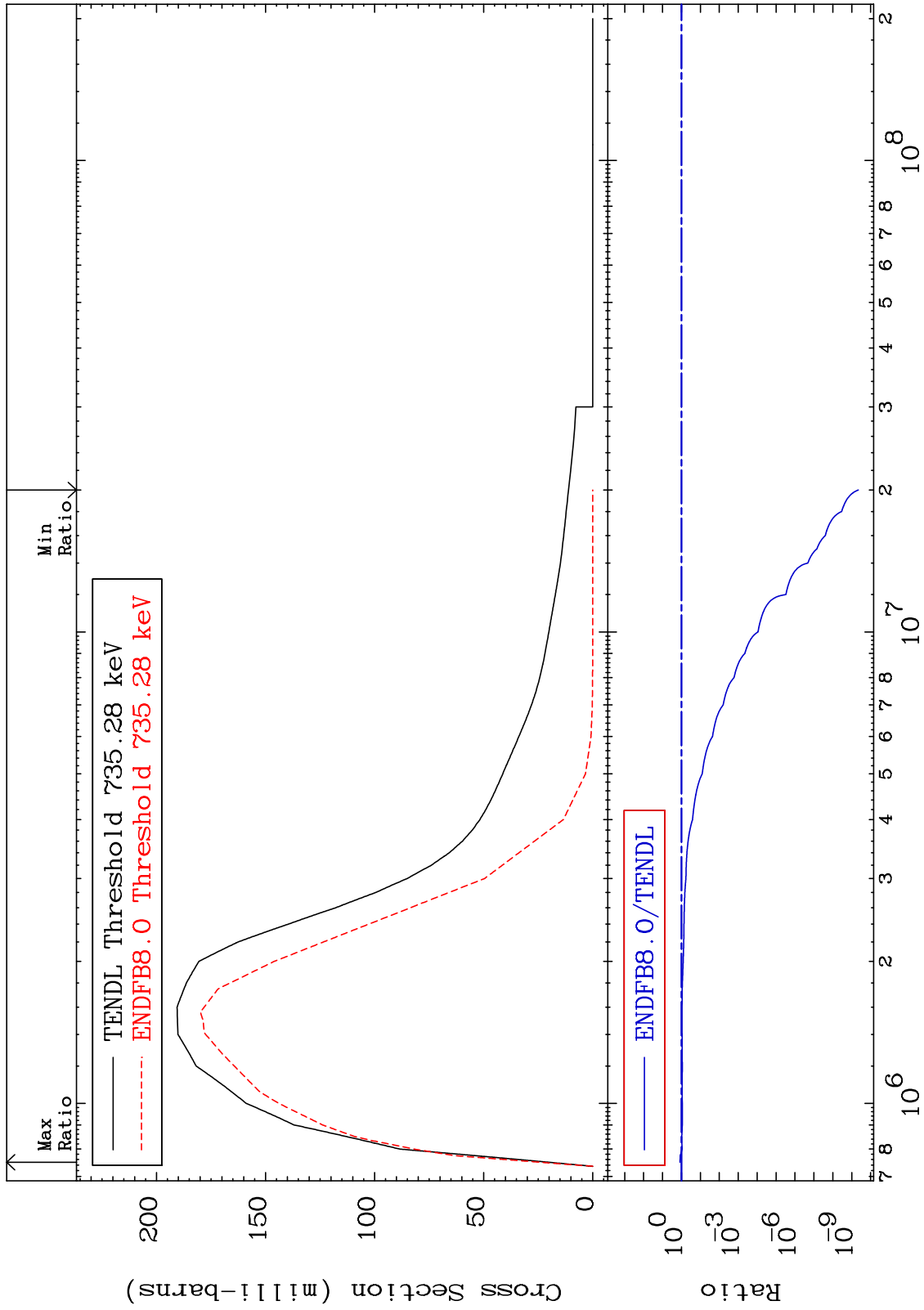
53-I -129
-100.0 To 69.33 %



MAT 5331

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

53-I -129
-100.0 To 19.14 %



15

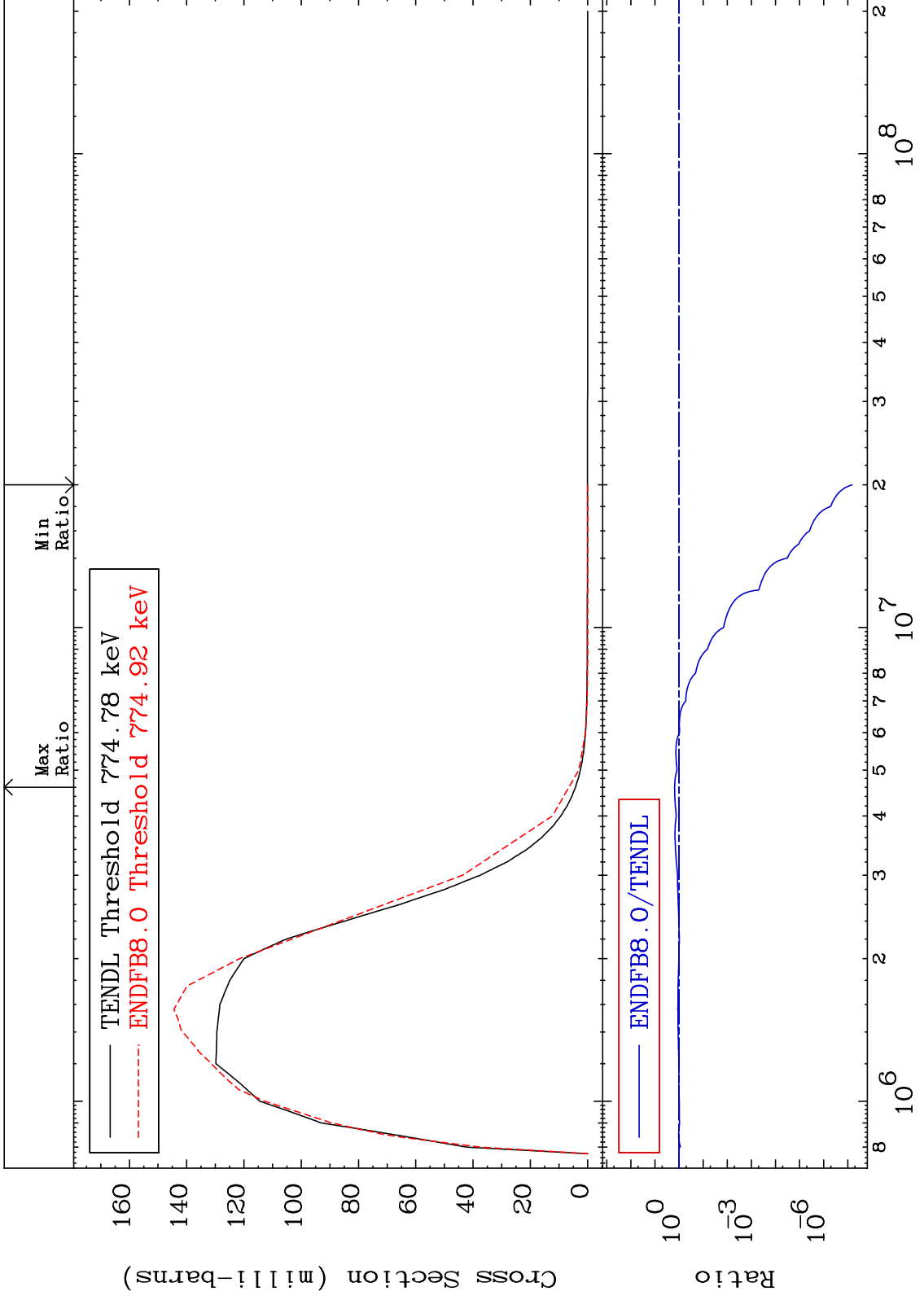
Incident Energy (eV)

53-I -129

MAT 5331

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

53-I -129
-100.0 To 53.53 %



16

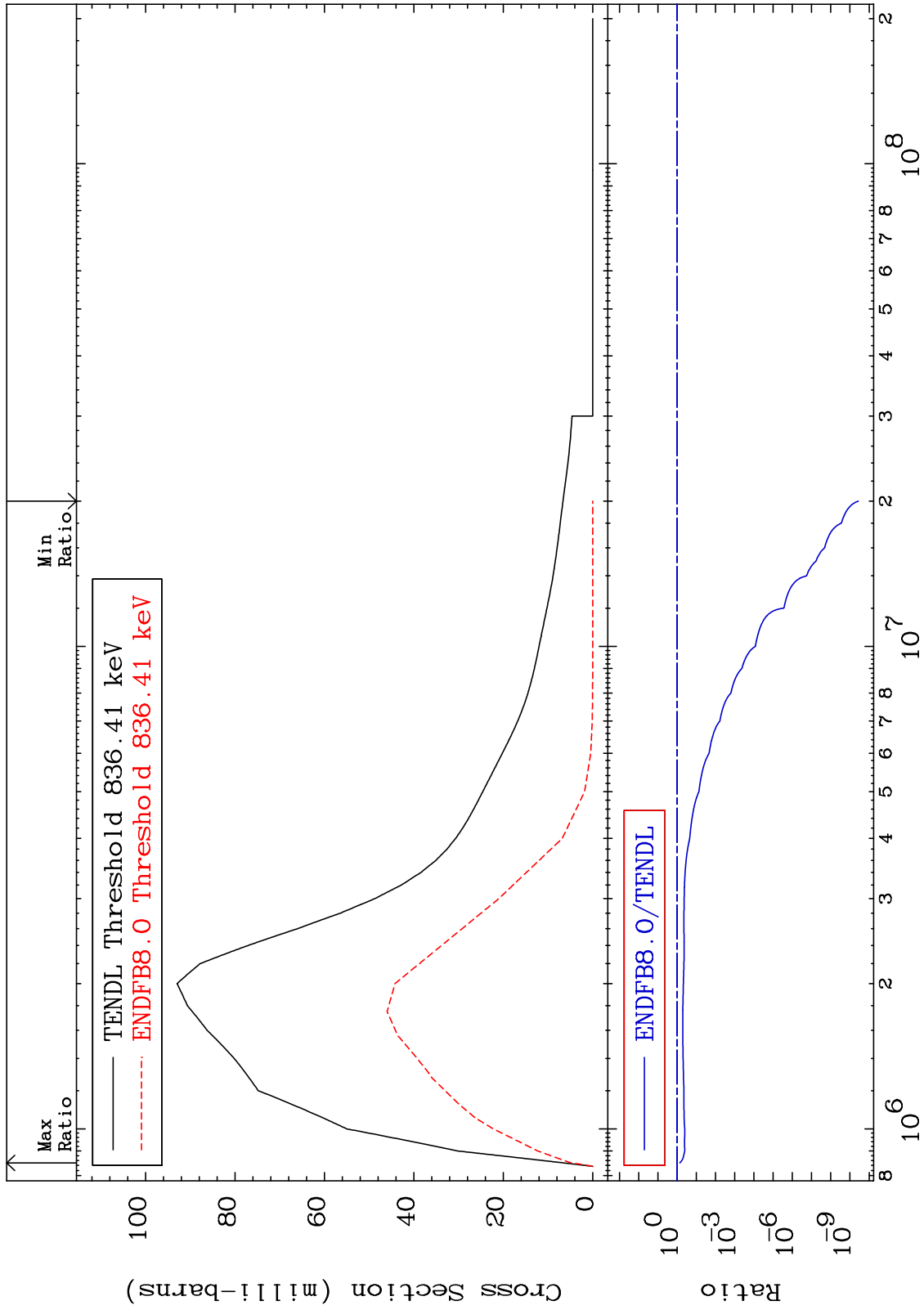
Incident Energy (eV)

53-I -129

MAT 5331

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

53-I -129
-100.0 To -29.06%



17

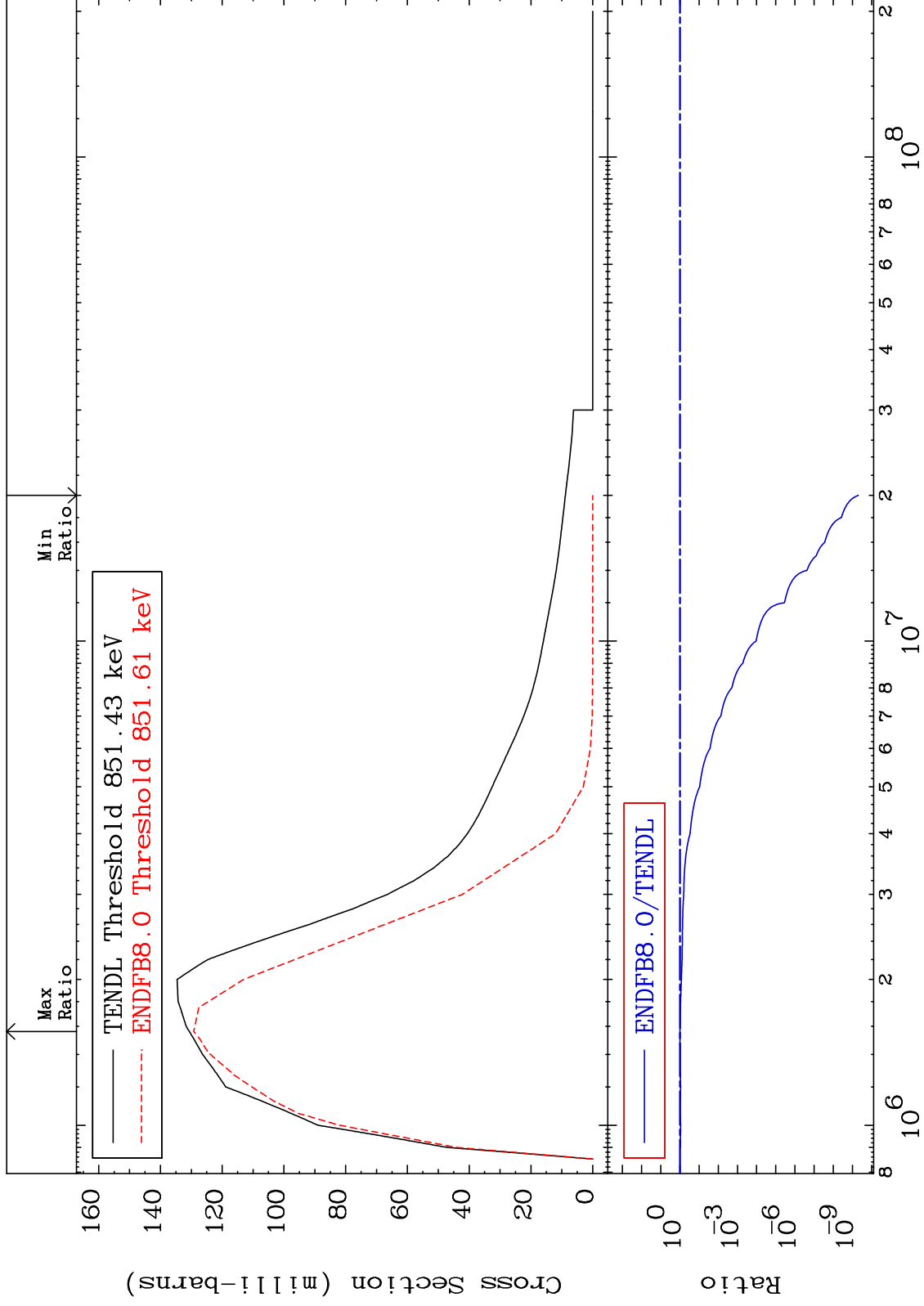
Incident Energy (eV)

53-I -129

MAT 5331

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

53-I -129
-100.0 To -1.102%



18

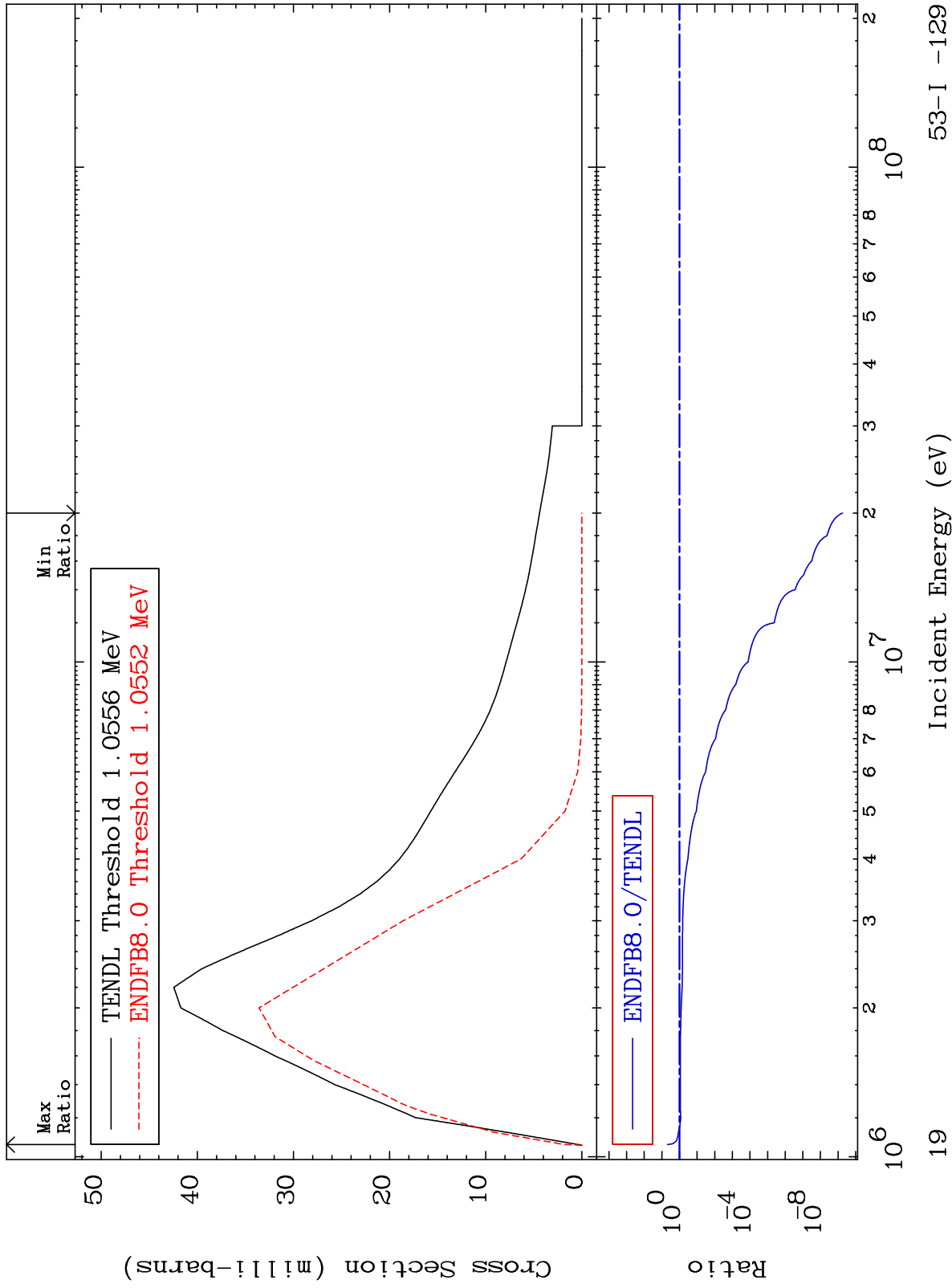
Incident Energy (eV)

53-I -129

MAT 5331

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

53-I -129
-100.0 To 376.0 %



19

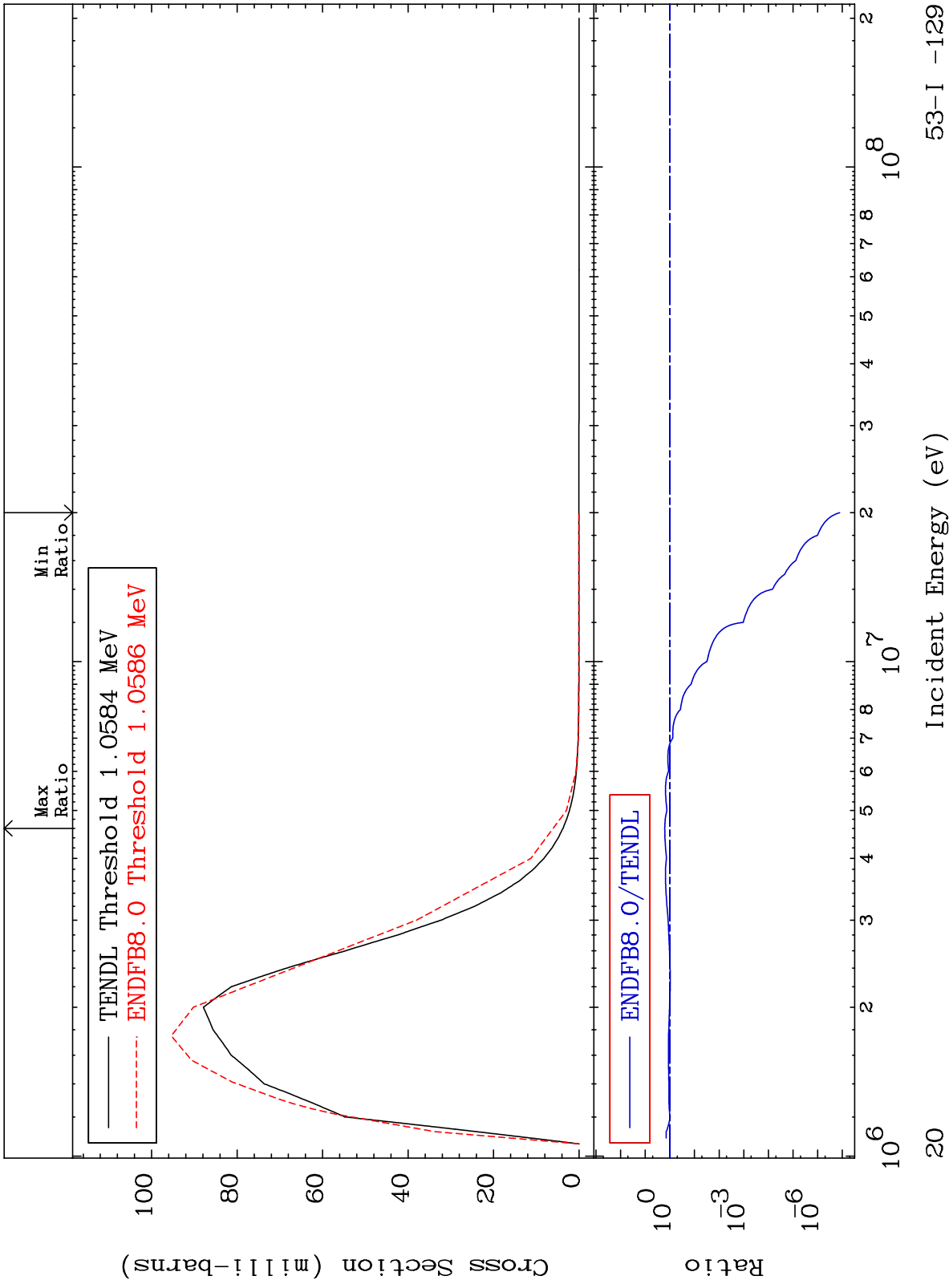
Incident Energy (eV)

53-I -129

MAT 5331

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

53-I -129
-100.0 To 61.04 %

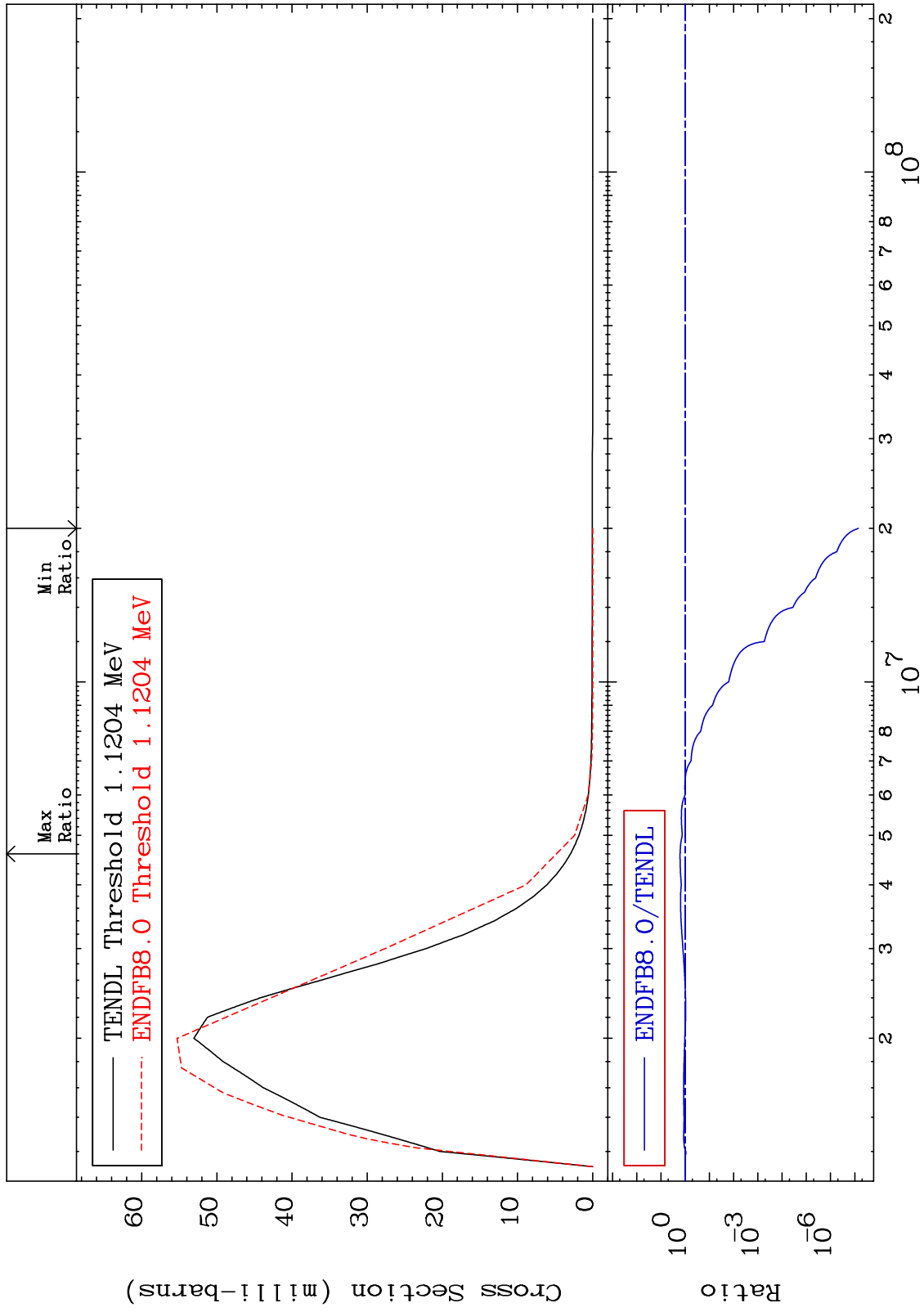


53-I -129

MAT 5331

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

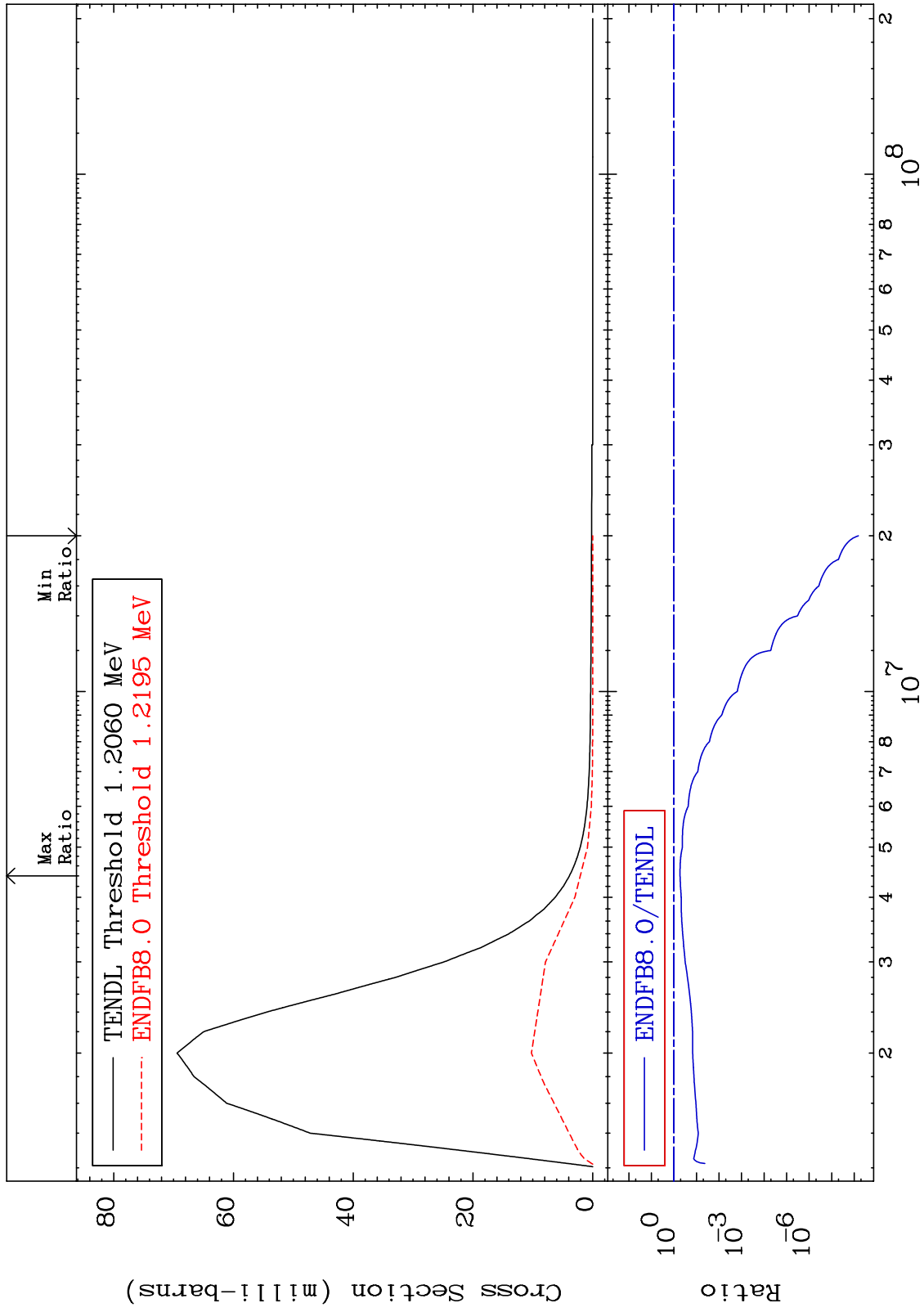
53-I -129
-100.0 To 63.48 %



MAT 5331

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

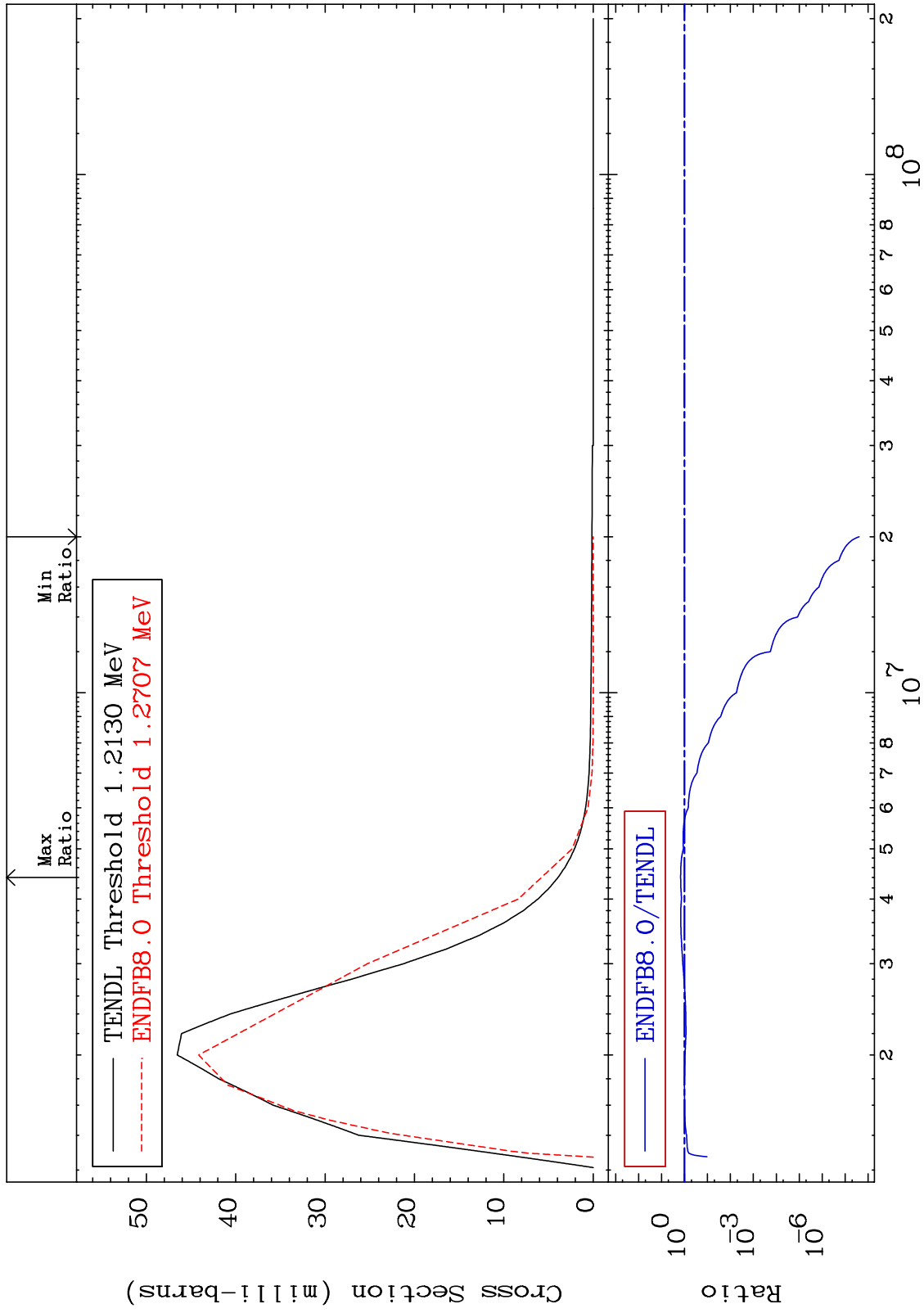
53-I -129
-100.0 To -46.47%



MAT 5331

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

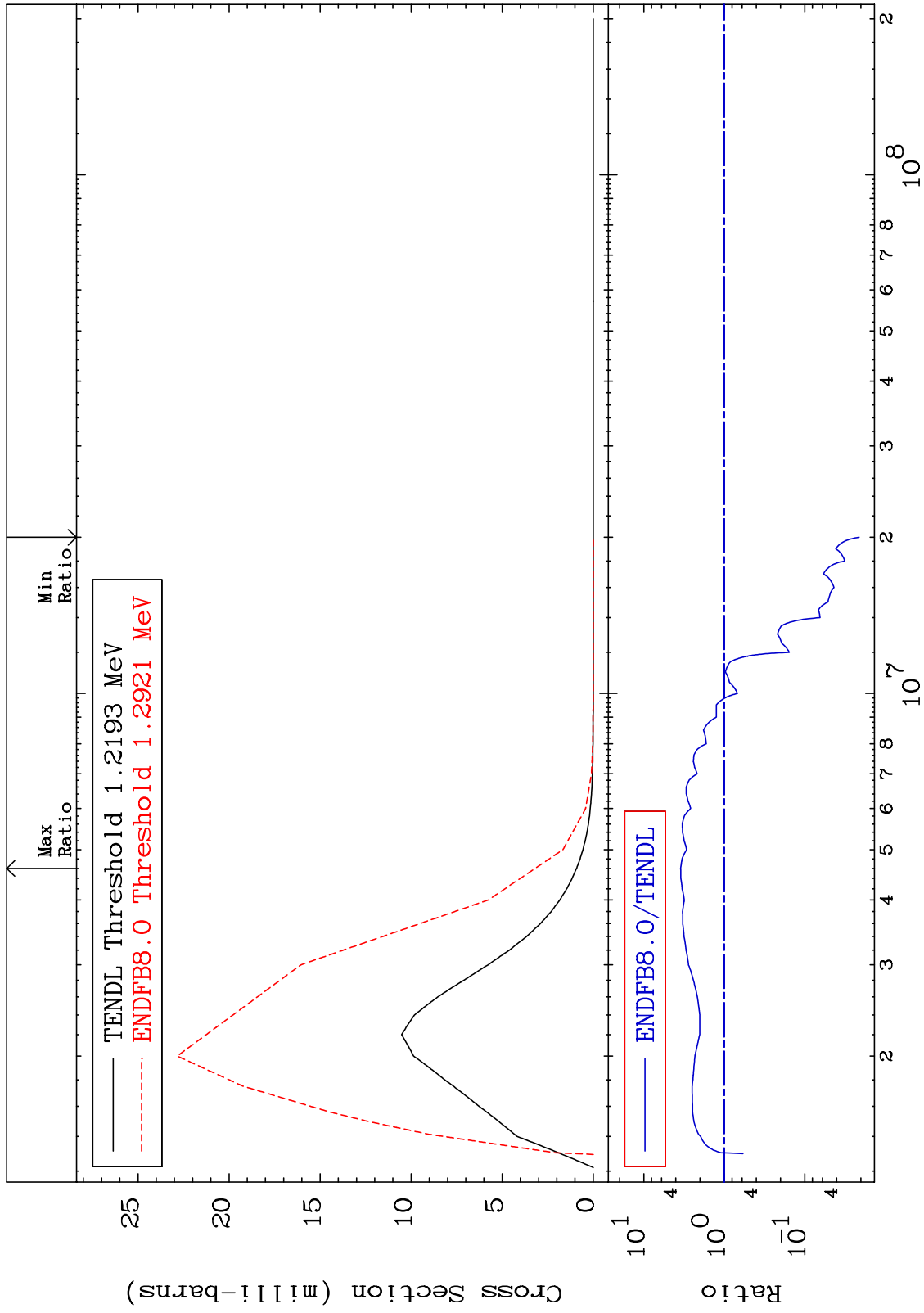
53-I -129
-100.0 To 47.25 %



MAT 5331

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

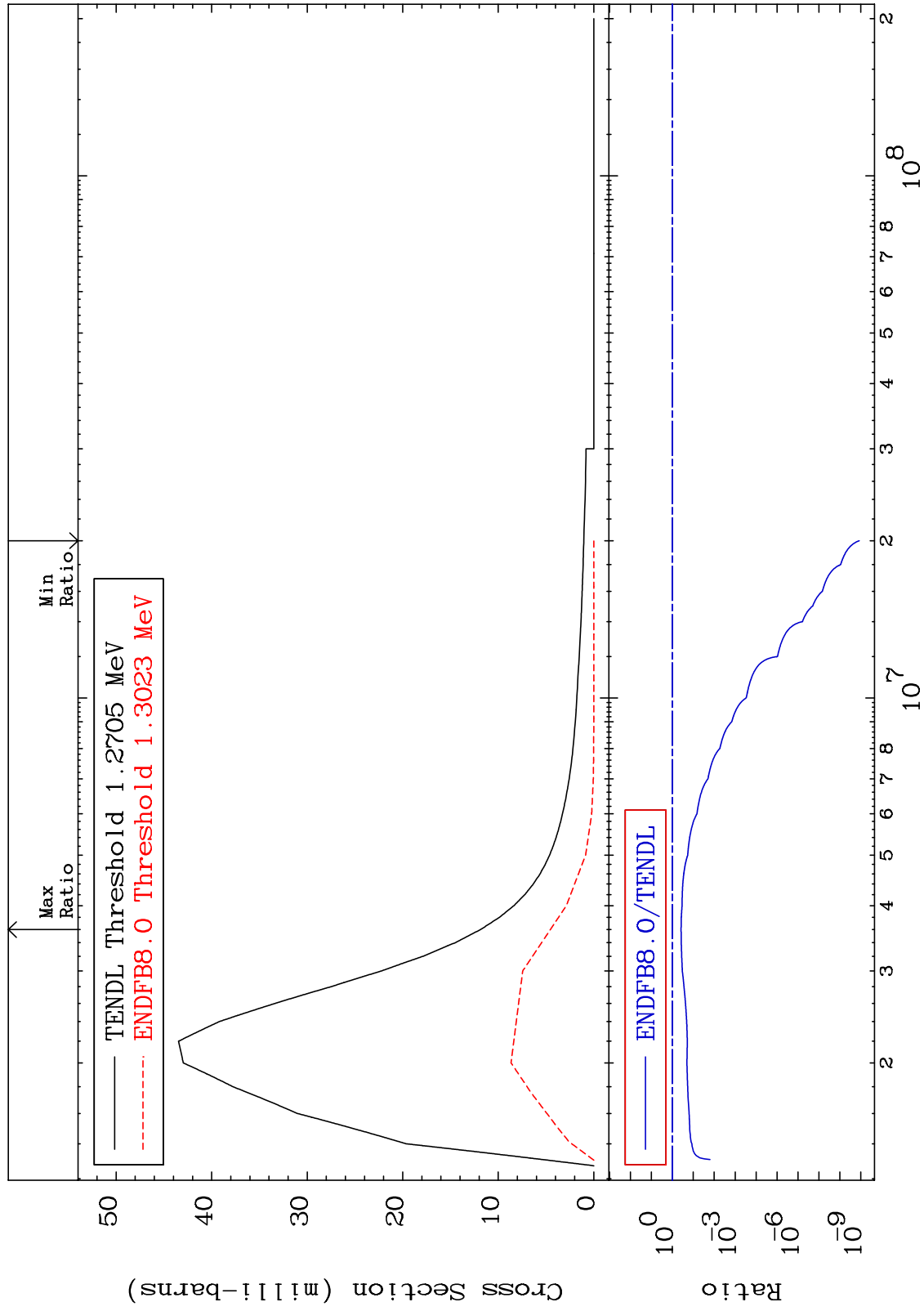
53-I -129
-97.90 To 248.5 %



MAT 5331

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

53-I -129
-100.0 To -61.64%



25

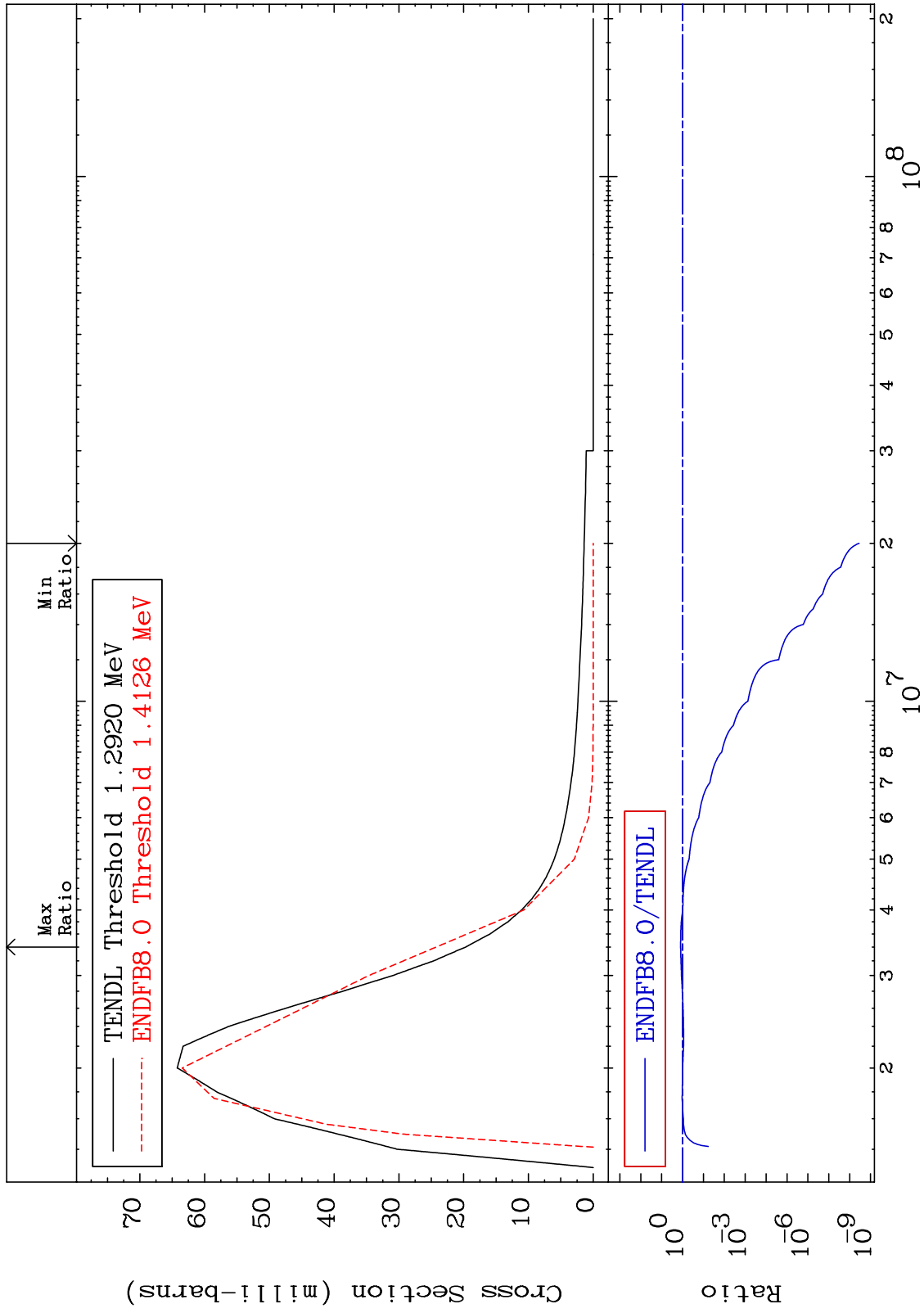
Incident Energy (eV)

53-I -129

MAT 5331

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

53-I -129
-100.0 To 23.15 %



26

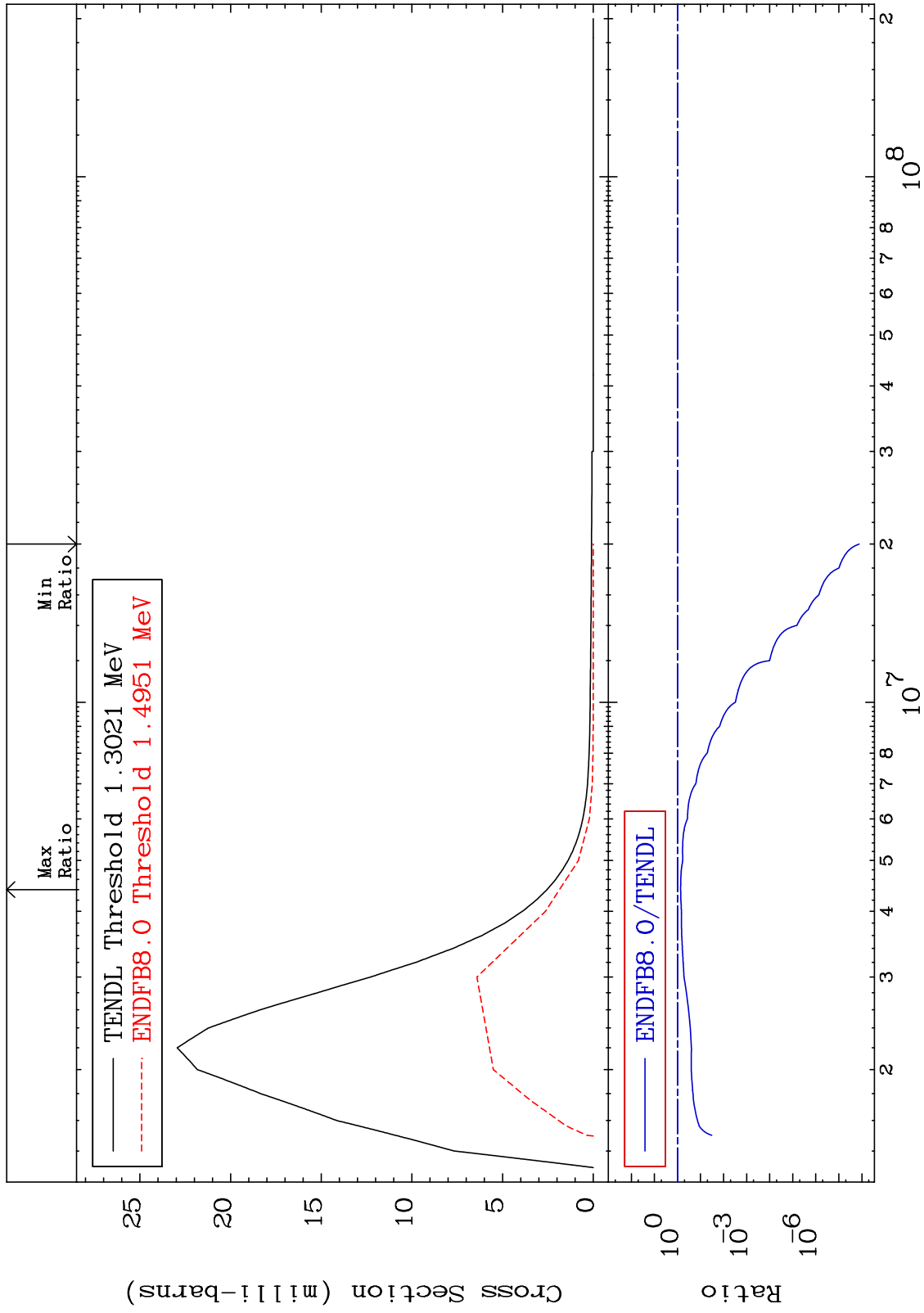
Incident Energy (eV)

53-I -129

MAT 5331

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

53-I -129
-100.0 To -26.98%



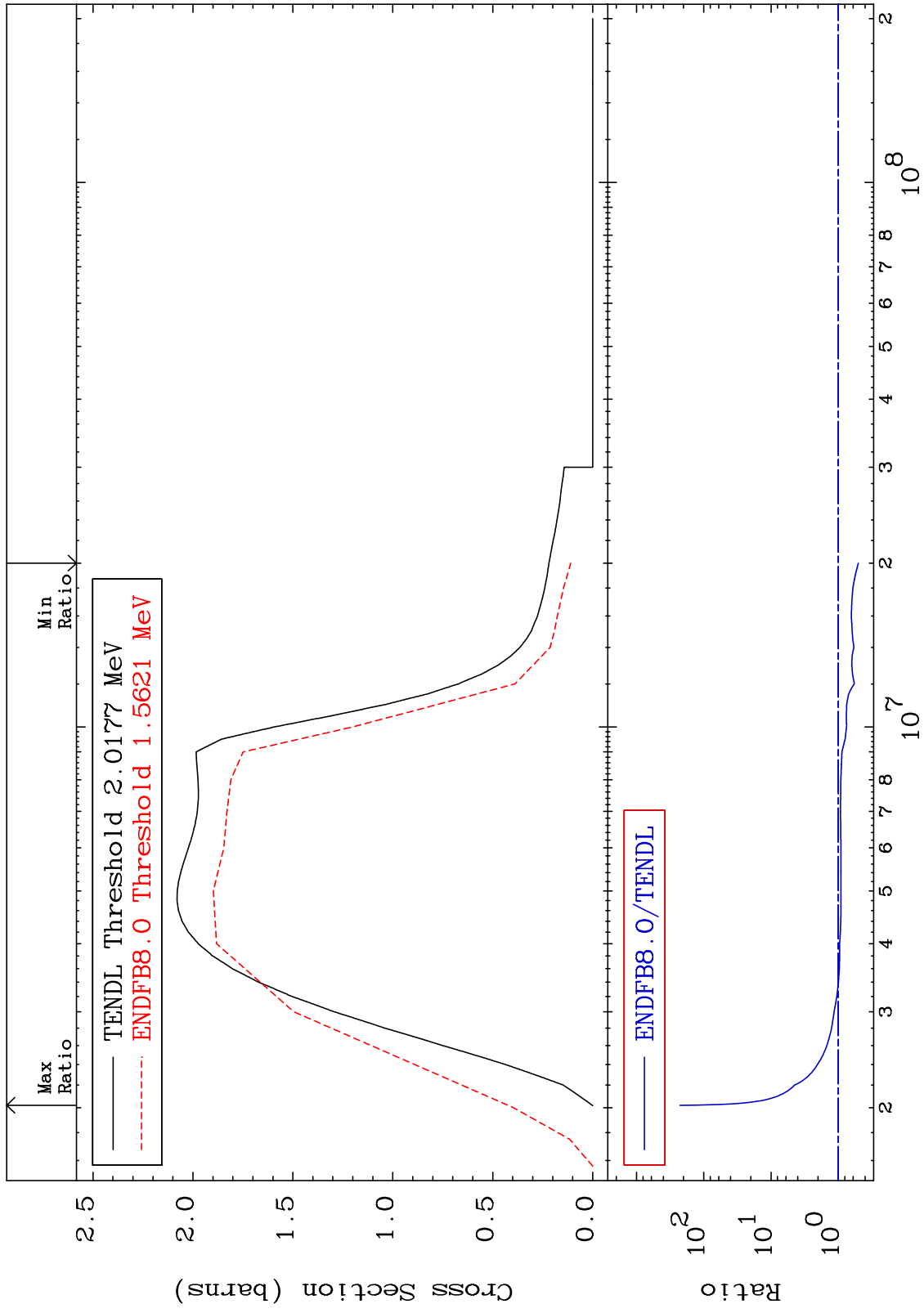
27

53-I -129

MAT 5331

(n,n') Continuum
Cross Section

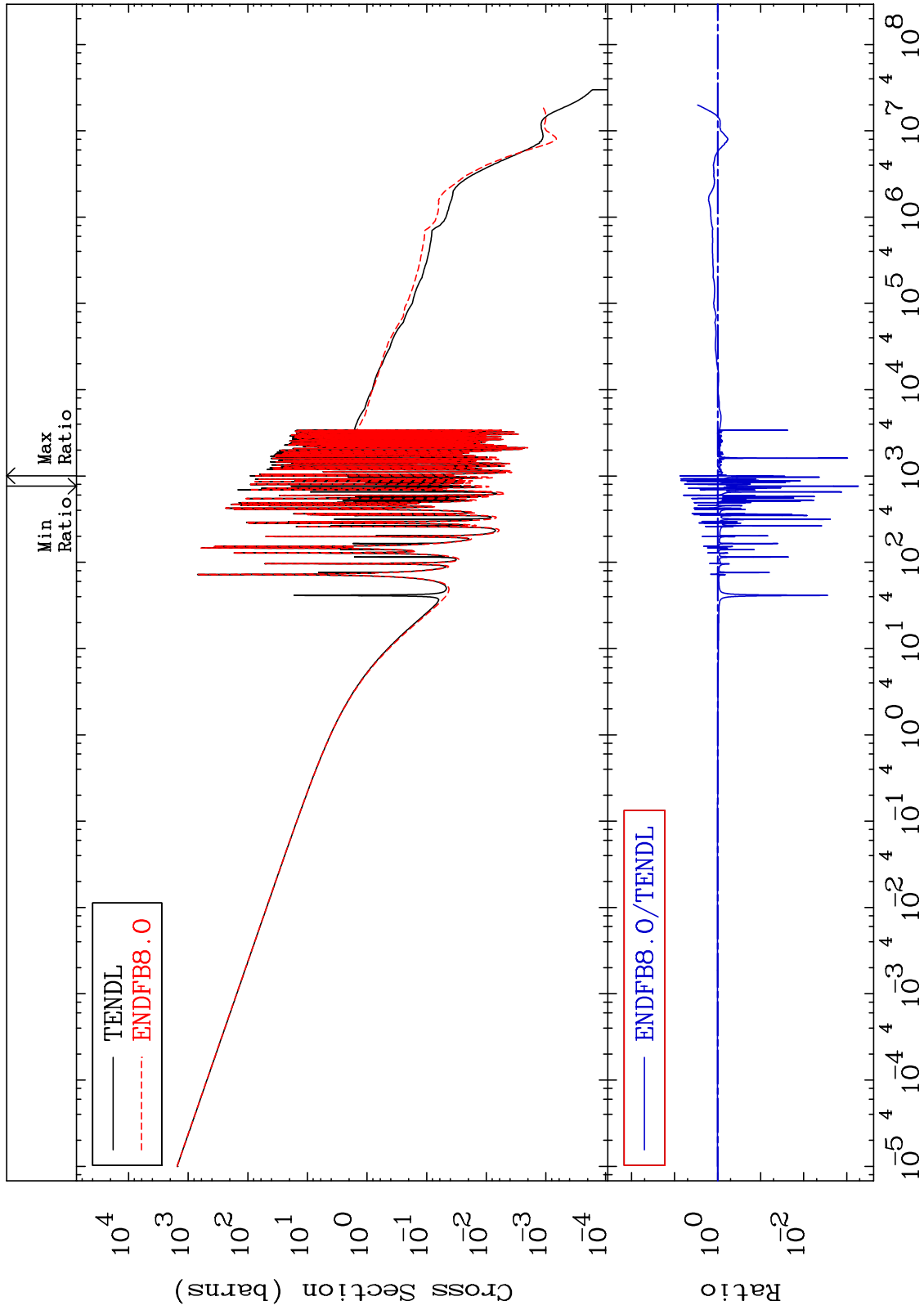
53-I -129
-49.83 To 9999. %



MAT 5331

(n, γ)
Cross Section

53-I -129
-99.95 To 648.2 %

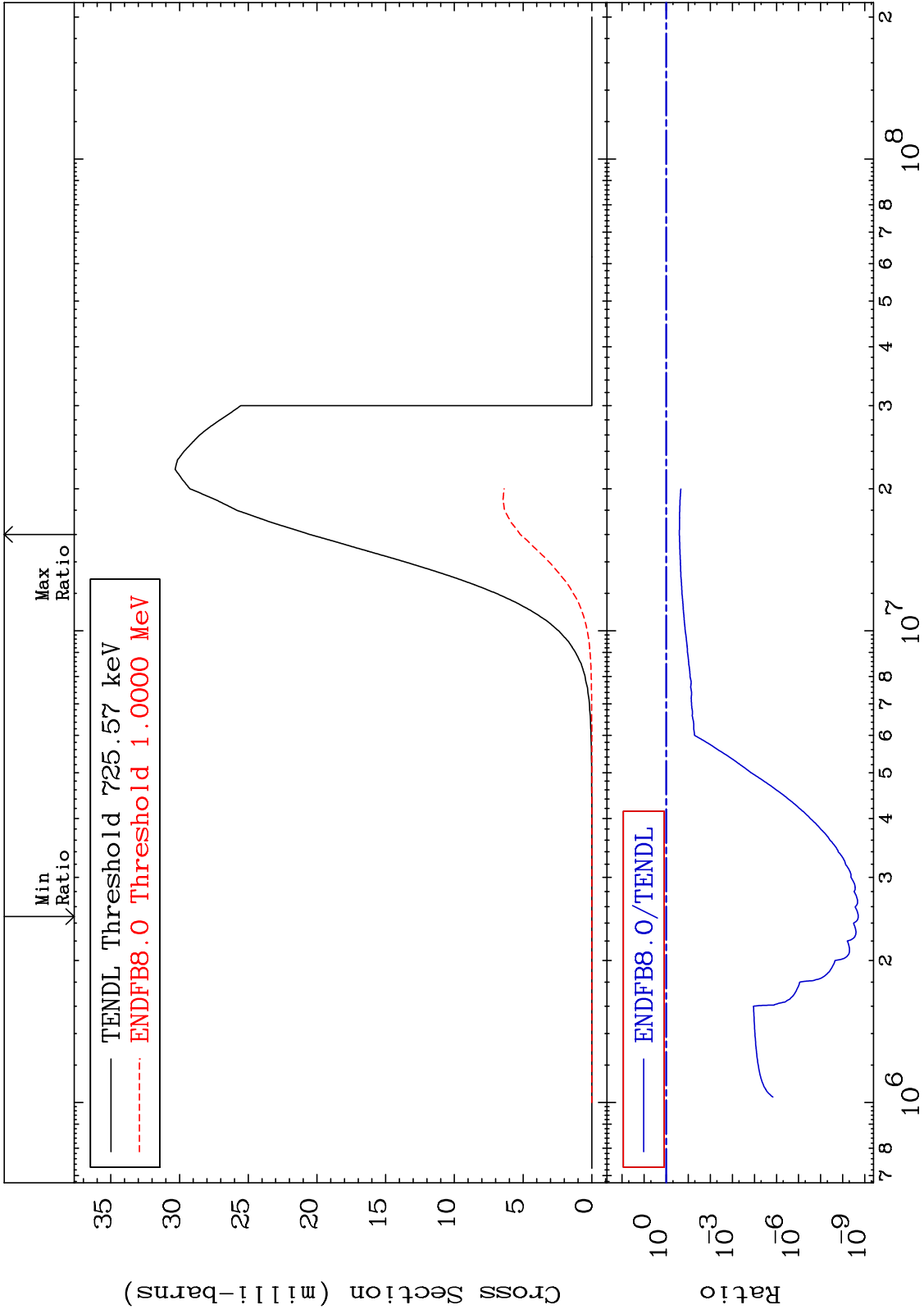


MAT 5331

53-I -129

-100.0 To -74.64%

(n,p)
Cross Section



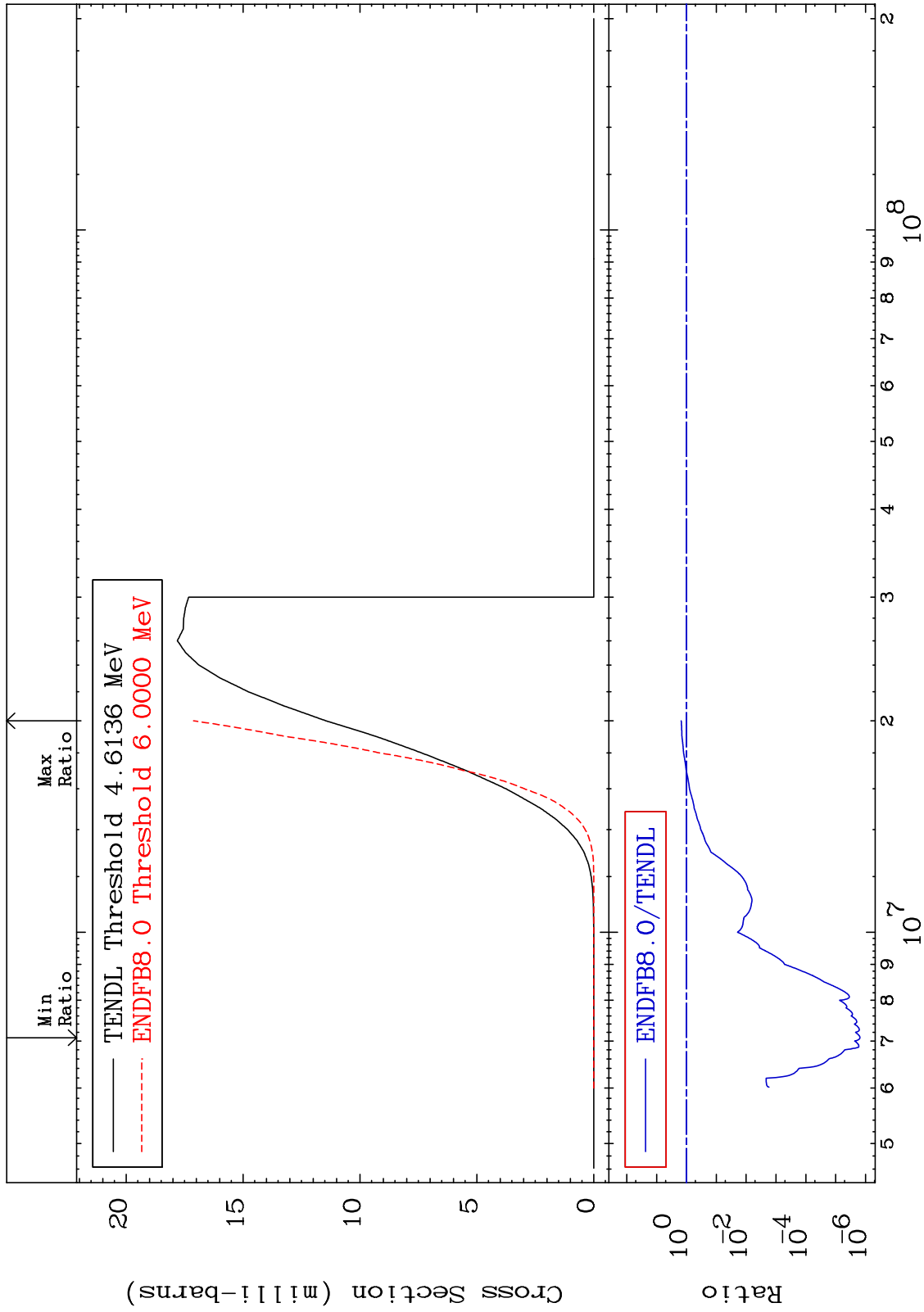
30

Incident Energy (eV)

53-I -129

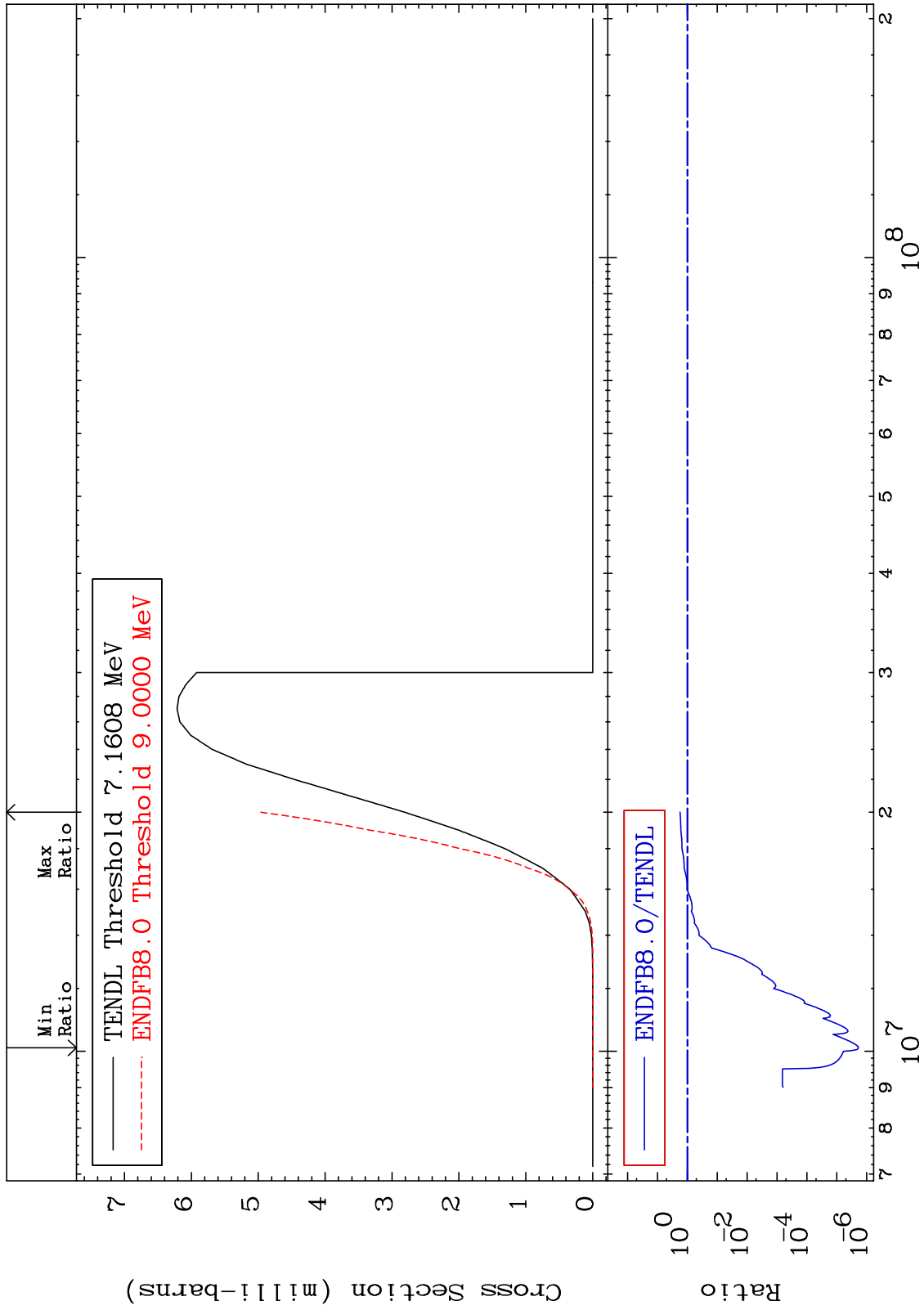
Cross Section

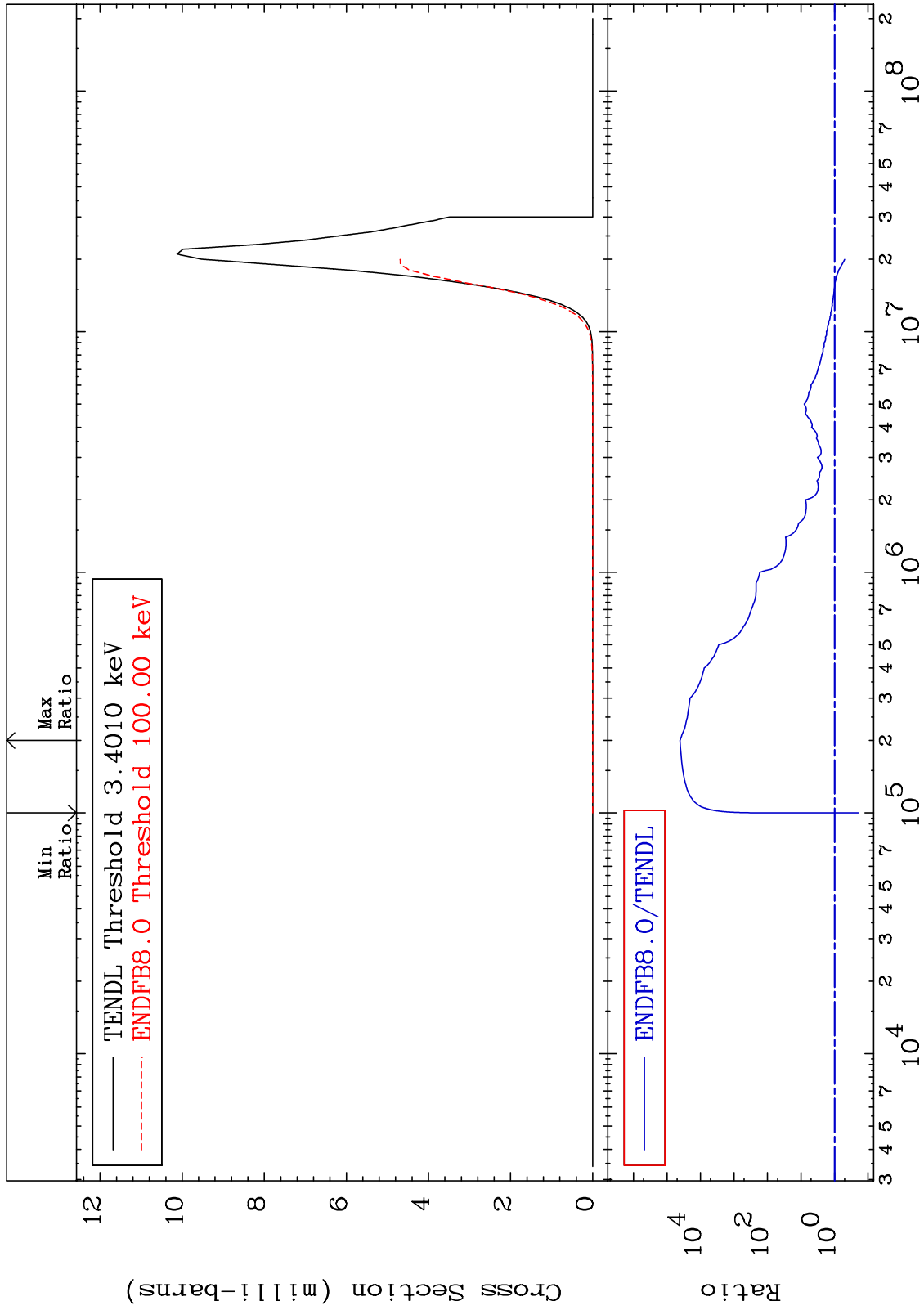
-100.0 To 49.37 %



Cross Section

-100.0 To 76.58 %

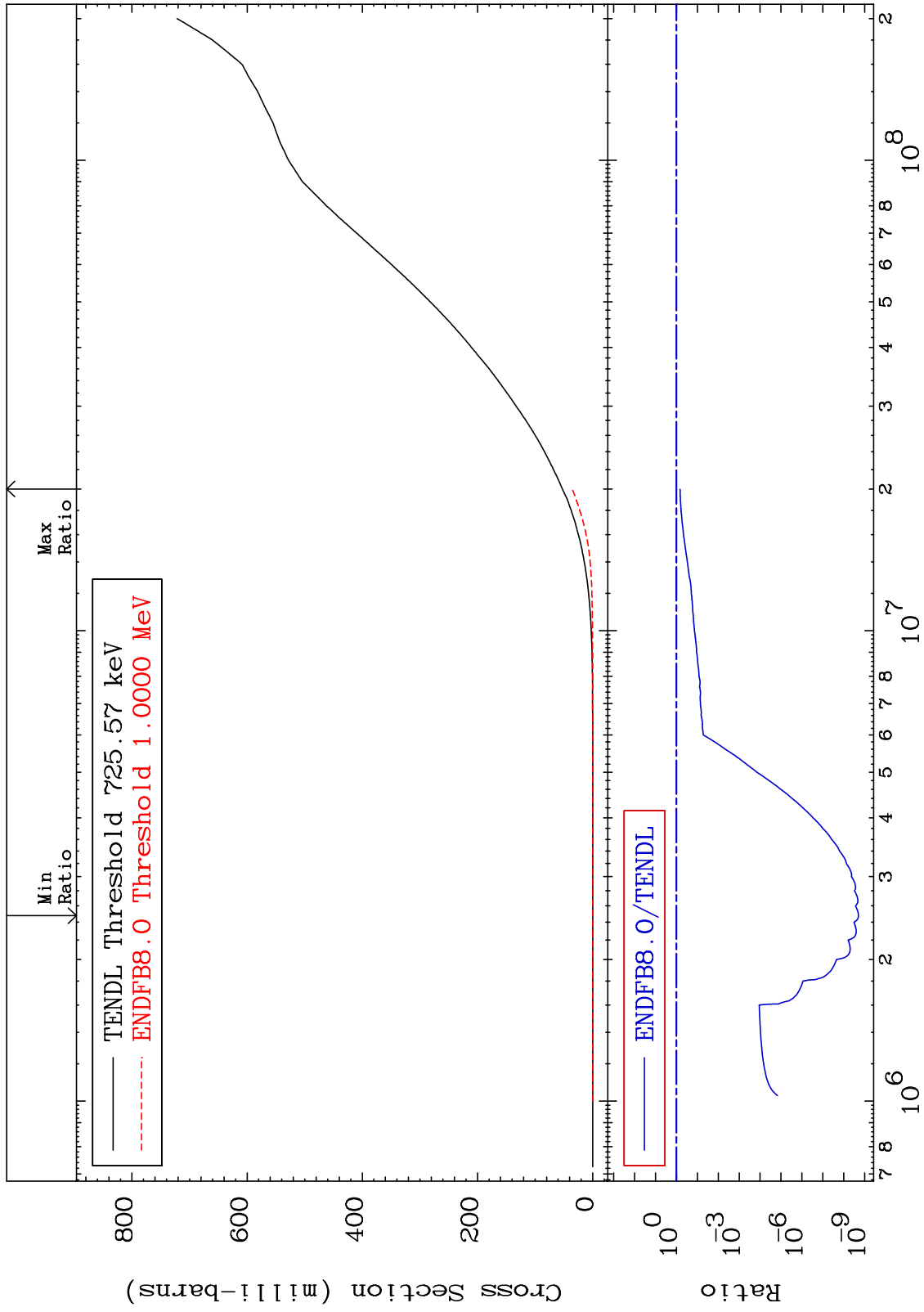




MAT 5331

Hydrogen Production
Cross Section

53-I -129
-100.0 To -32.43%



34

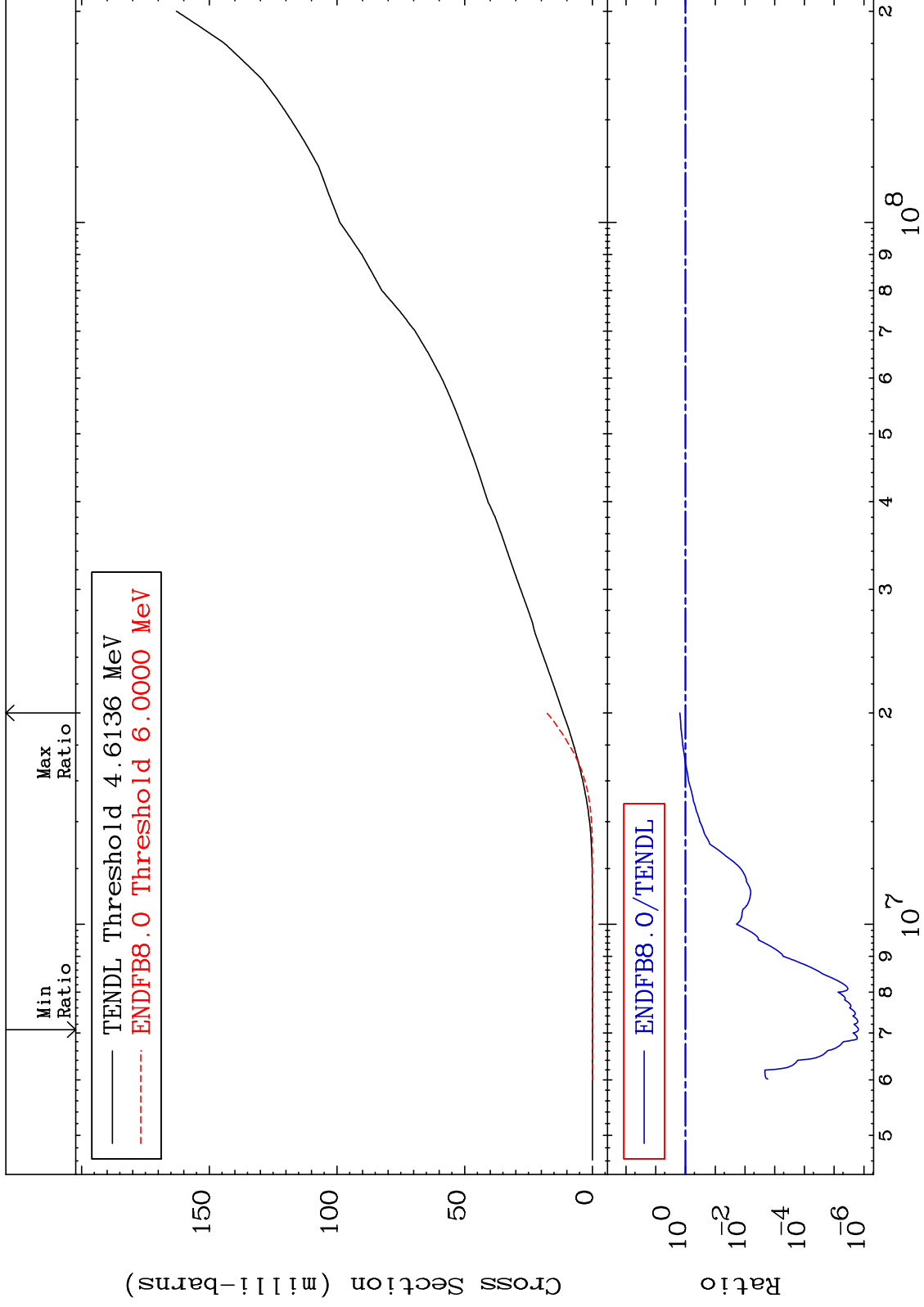
Incident Energy (eV)

53-I -129

MAT 5331

Deuterium Production
Cross Section

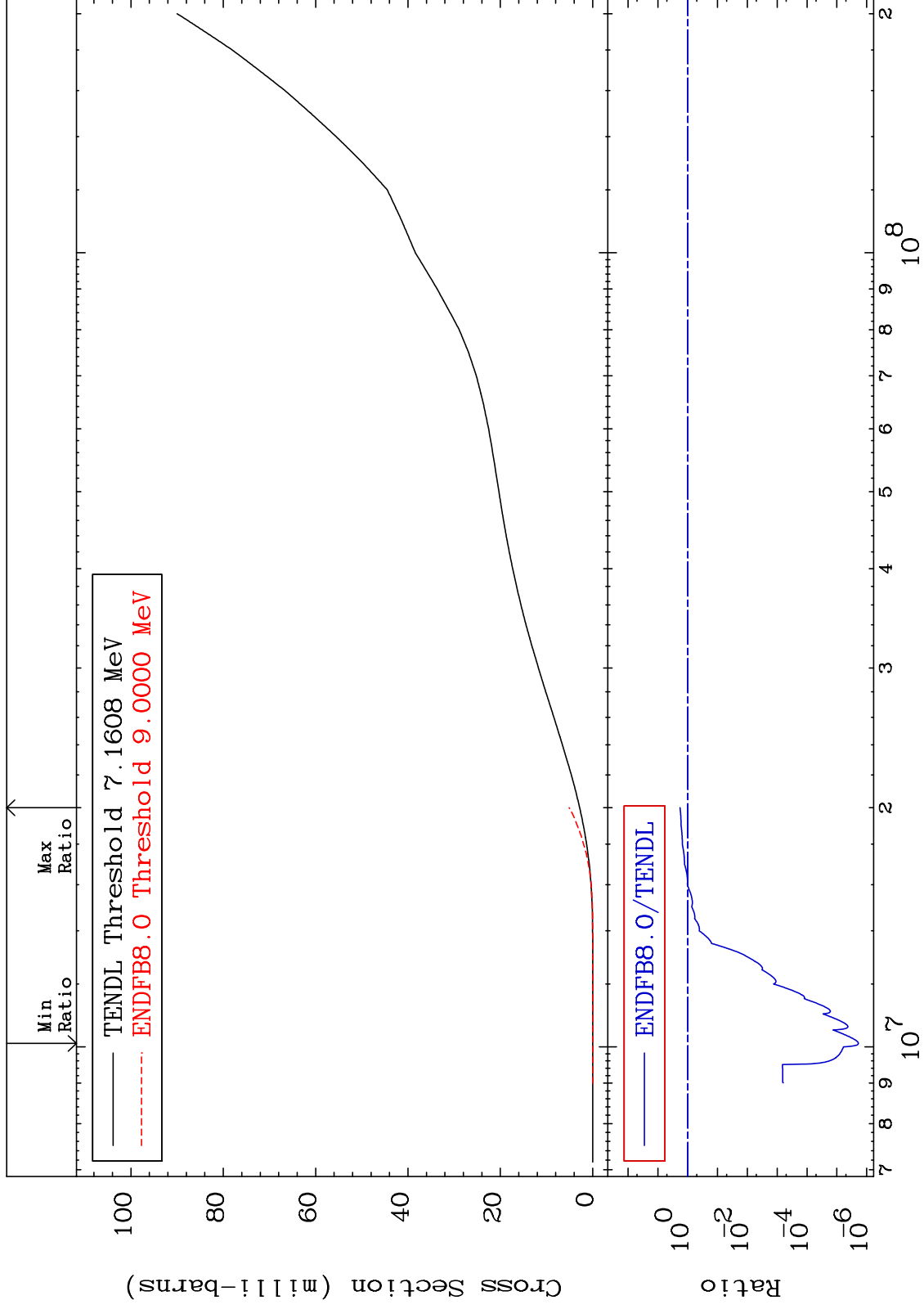
53-I -129
-100.0 To 55.45 %



35

Incident Energy (eV)

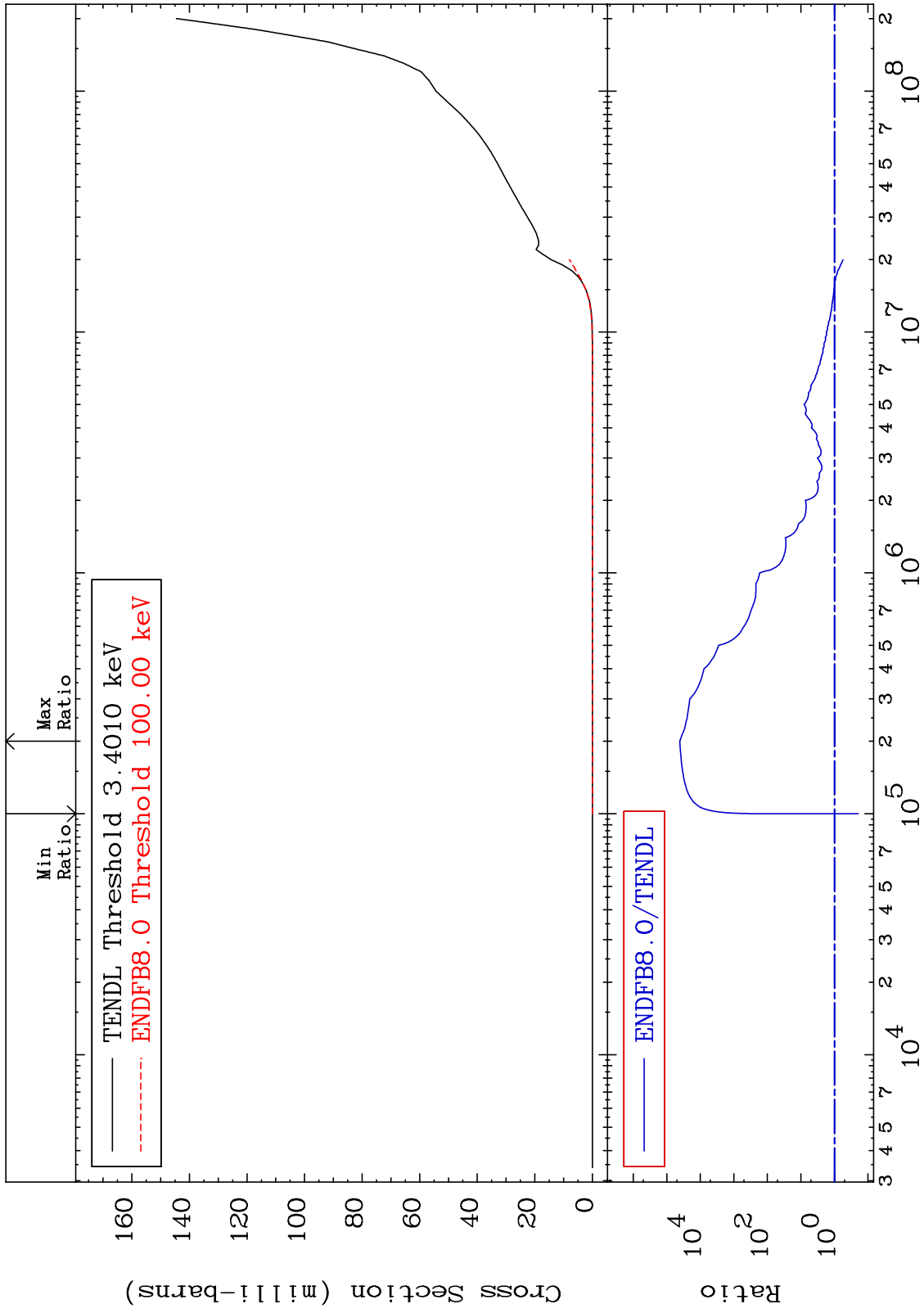
53-I -129



MAT 5331

He-4 Production
Cross Section

53-I -129
-80.68 To 9999. %



37

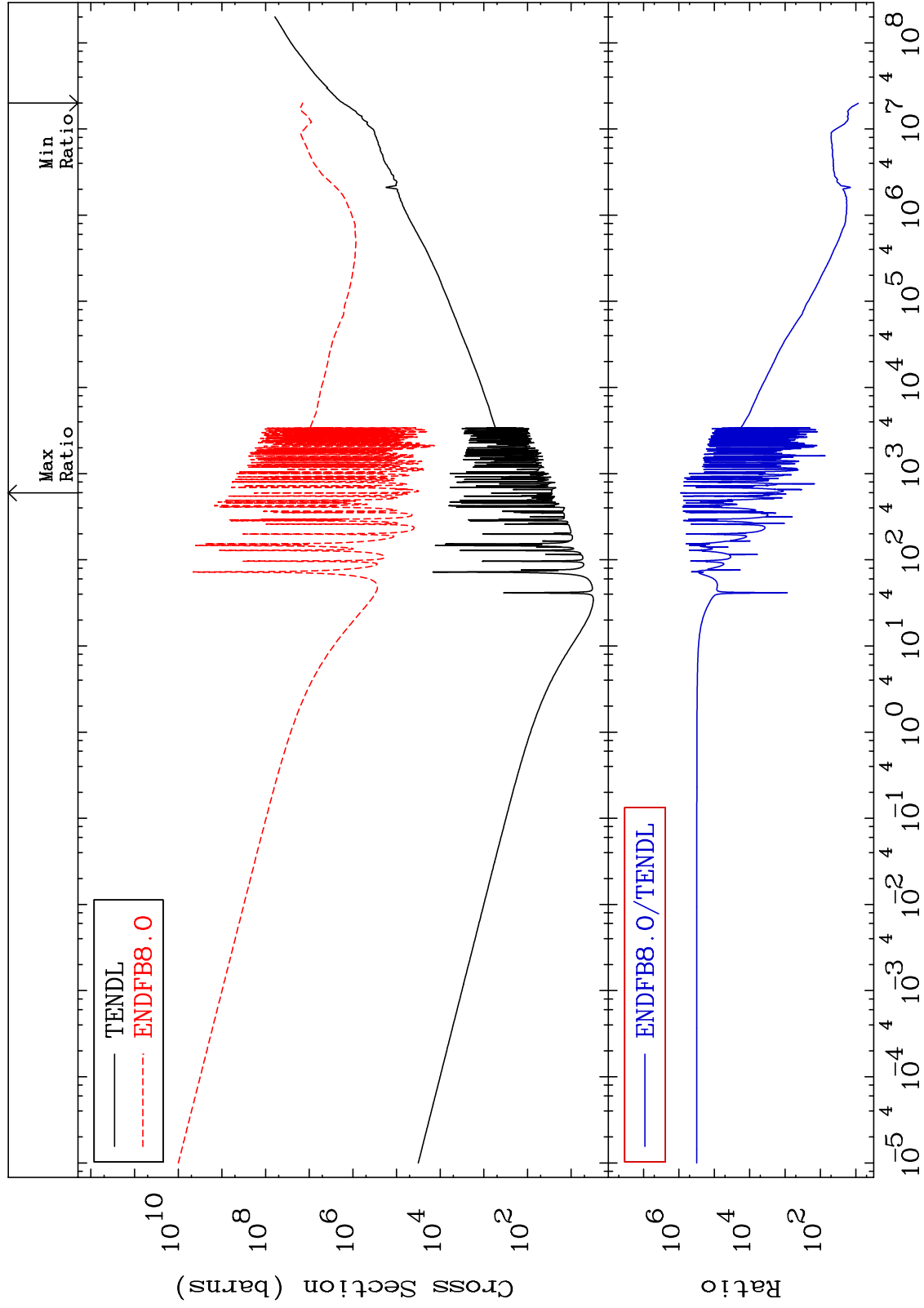
Incident Energy (eV)

53-I -129

MAT 5331

Kerma total (eV-barns)
Cross Section

53-I -129
740.8 To 9999. %



38

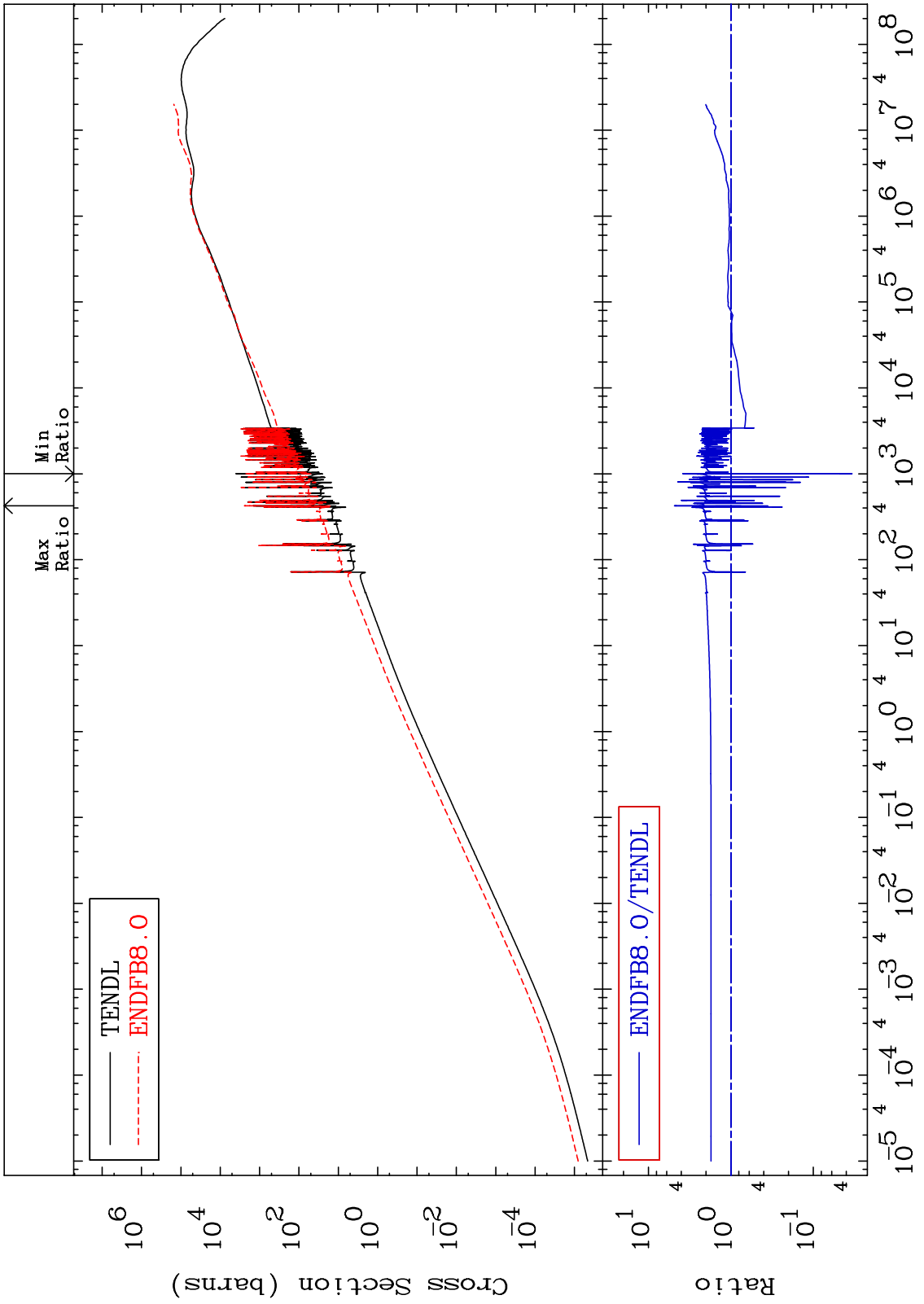
Incident Energy (eV)

53-I -129

MAT 5331

Kerma elastic
Cross Section

53-I -129
-96.62 To 381.3 %



39

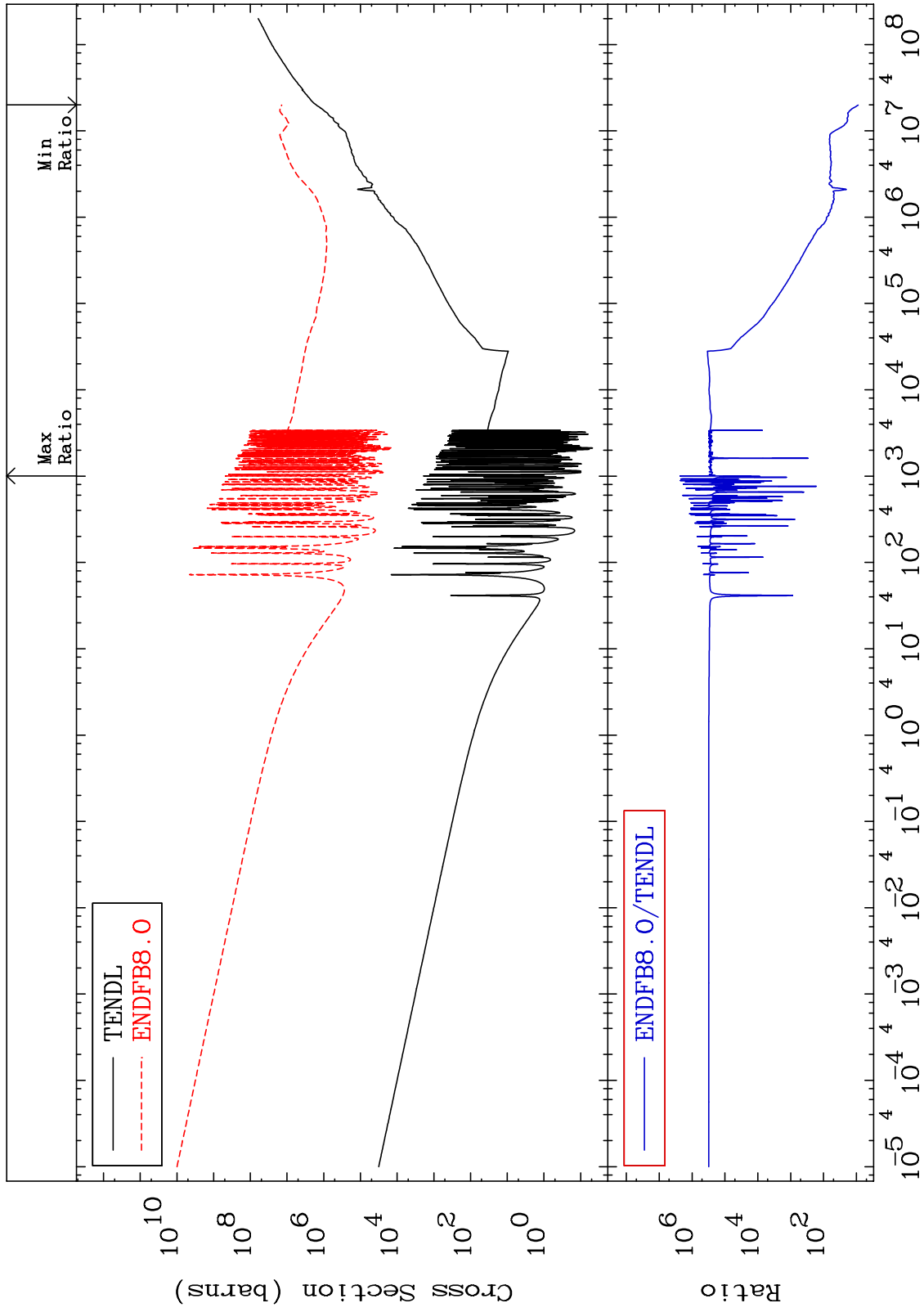
Incident Energy (eV)

53-I -129

MAT 5331

Kerma non-elastic (all but mt2)
Cross Section

53-I -129
770.5 To 9999. %



40

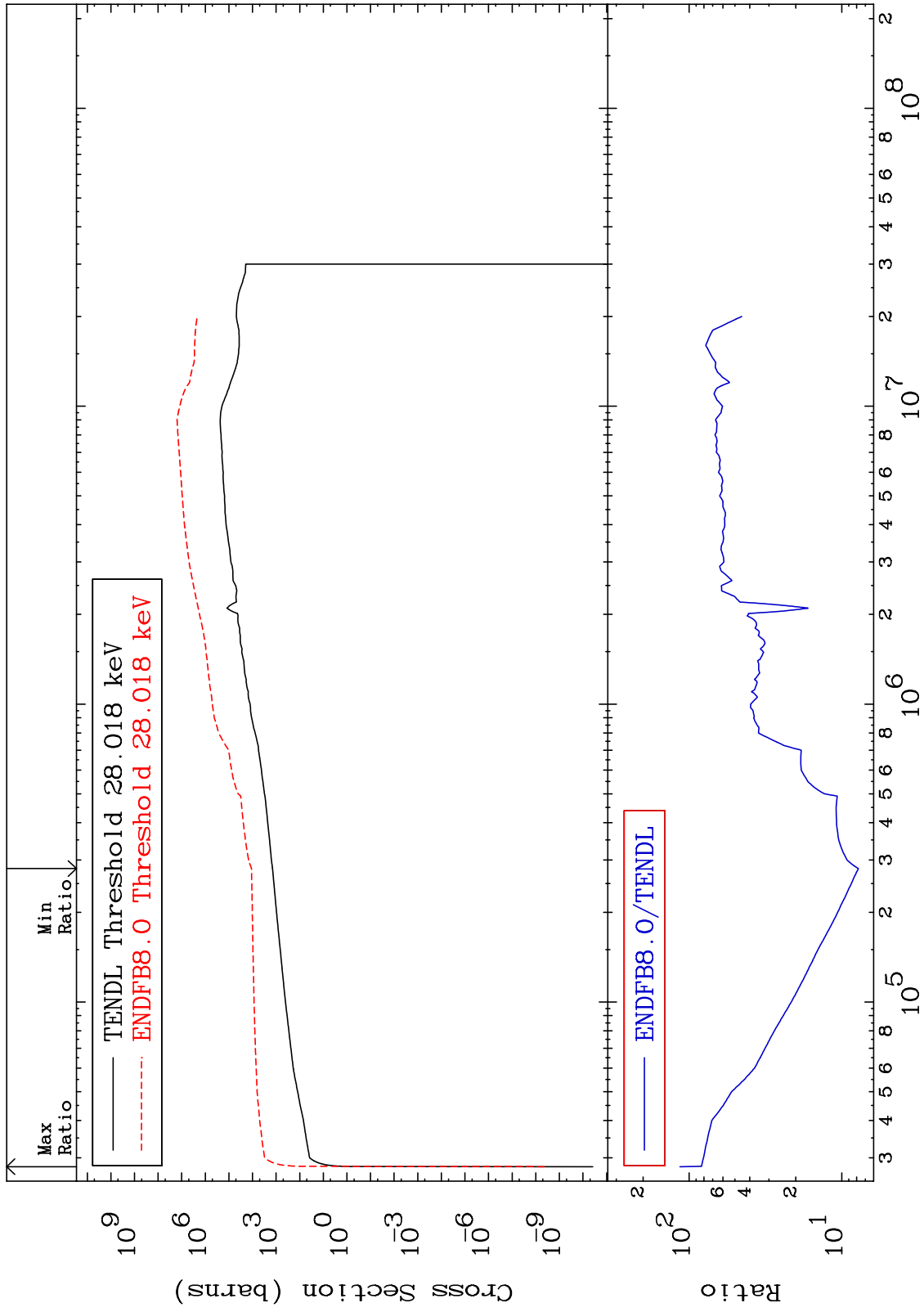
Incident Energy (eV)

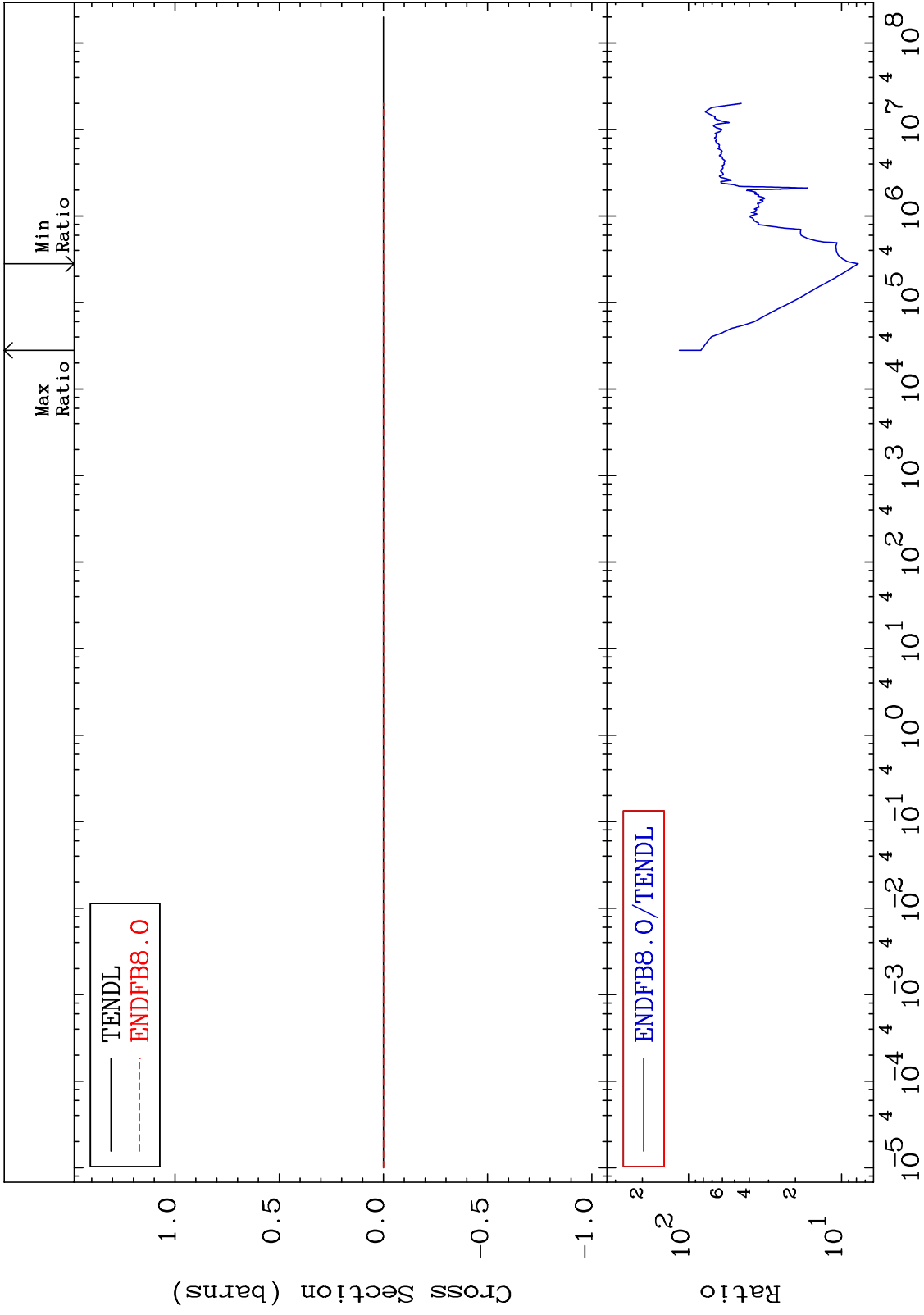
53-I -129

MAT 5331

Kerma inelastic (mt51-91)
Cross Section

53-I -129
678.3 To 9999. %

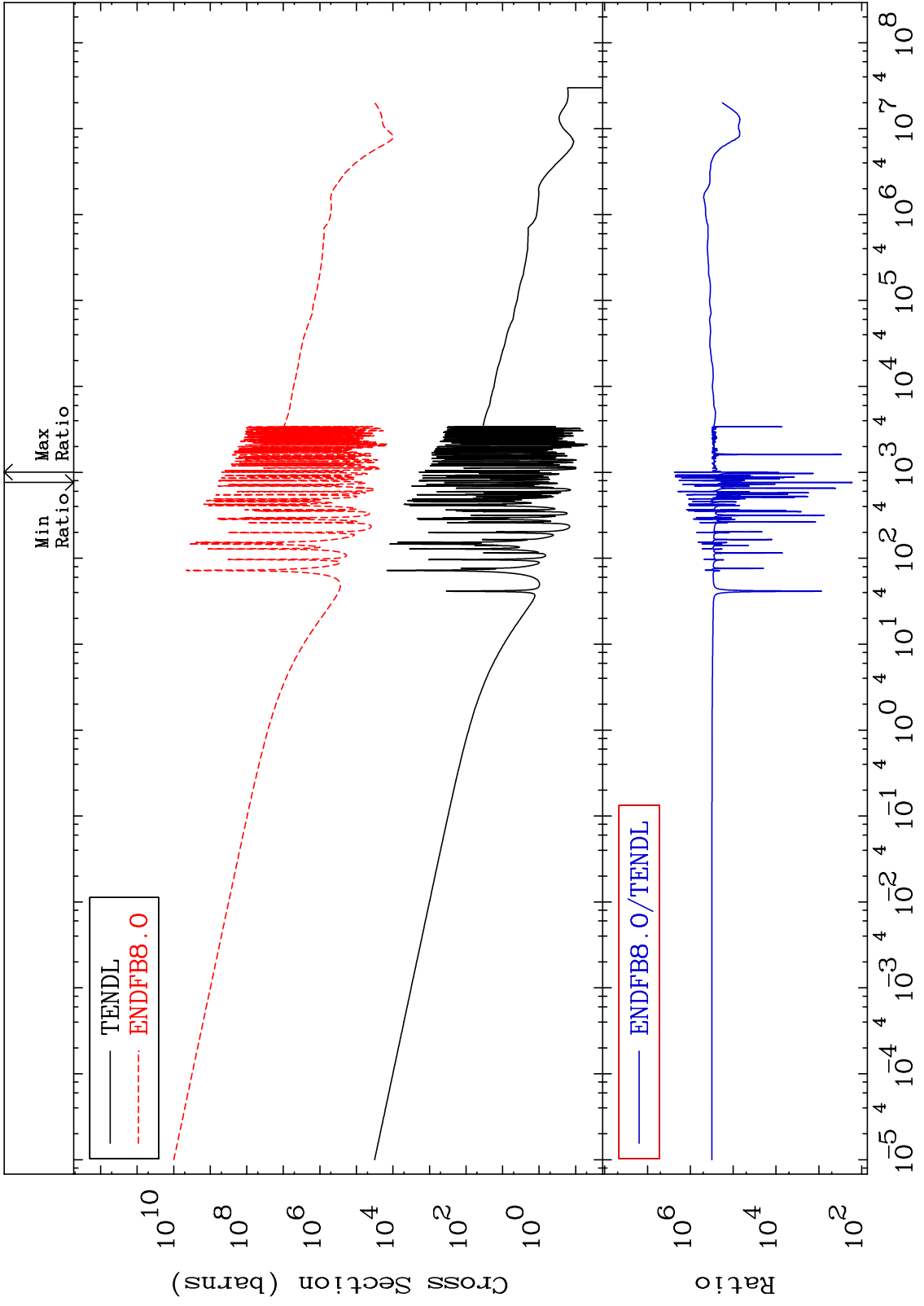




MAT 5331

Kerma capture (mt102)
Cross Section

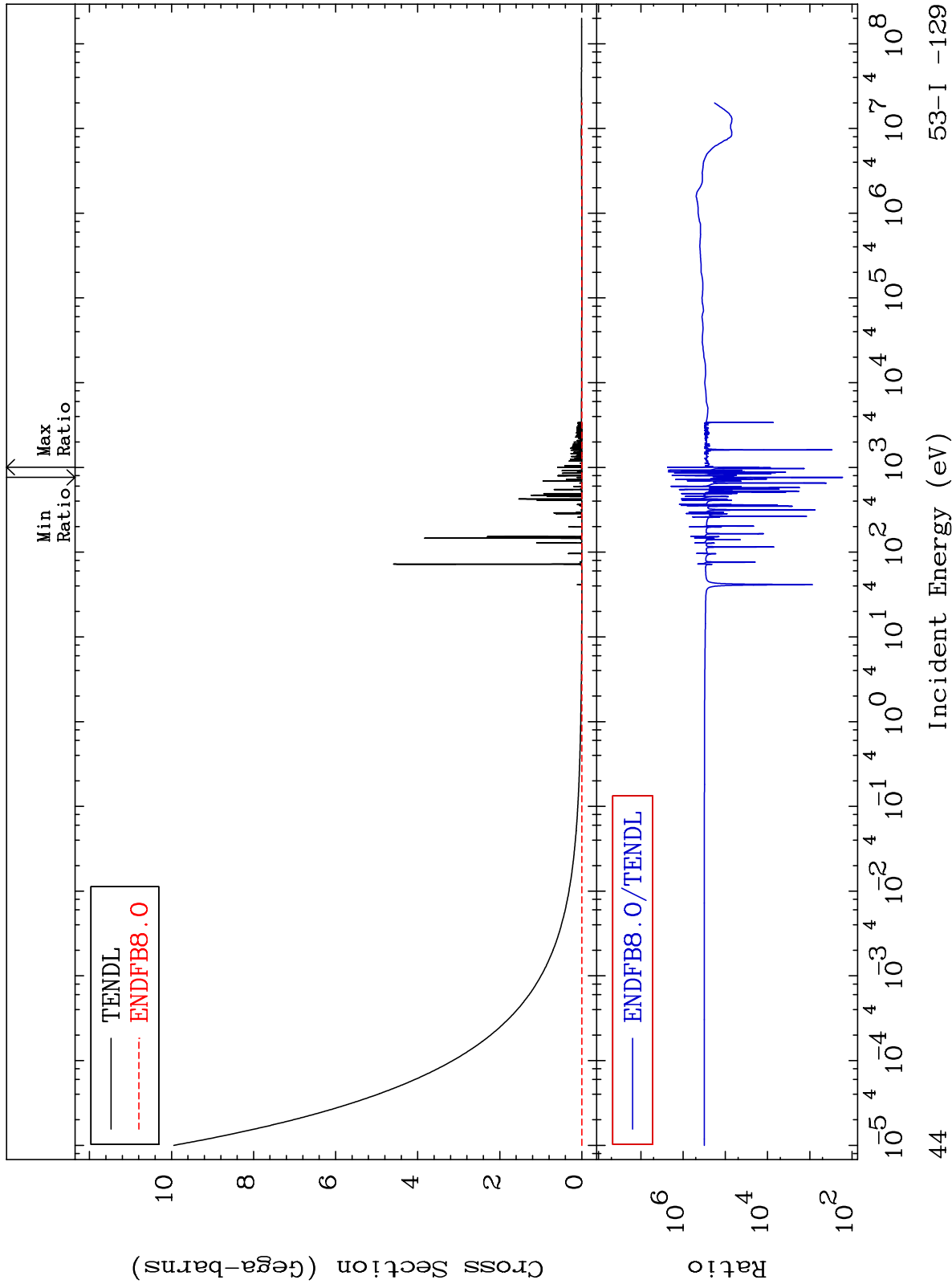
53-I -129
9999. To 9999. %



MAT 5331

Total photon (eV-barns)
Cross Section

53-I -129
9999. To 9999. %

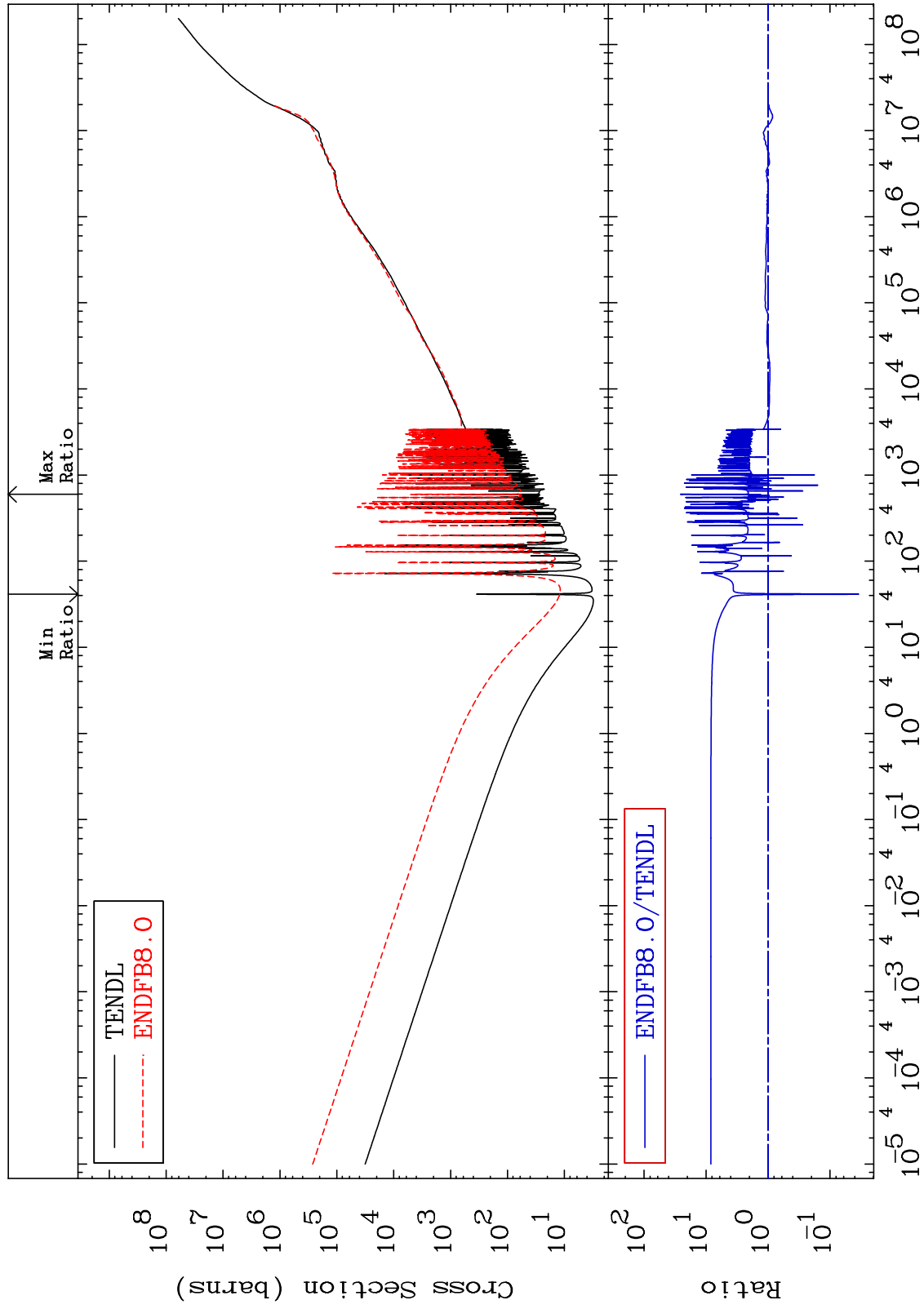


MAT 5331

Total kinematic kerma (high limit)

53-I -129

-96.53 To 2484. %



45

Incident Energy (eV)

53-I -129

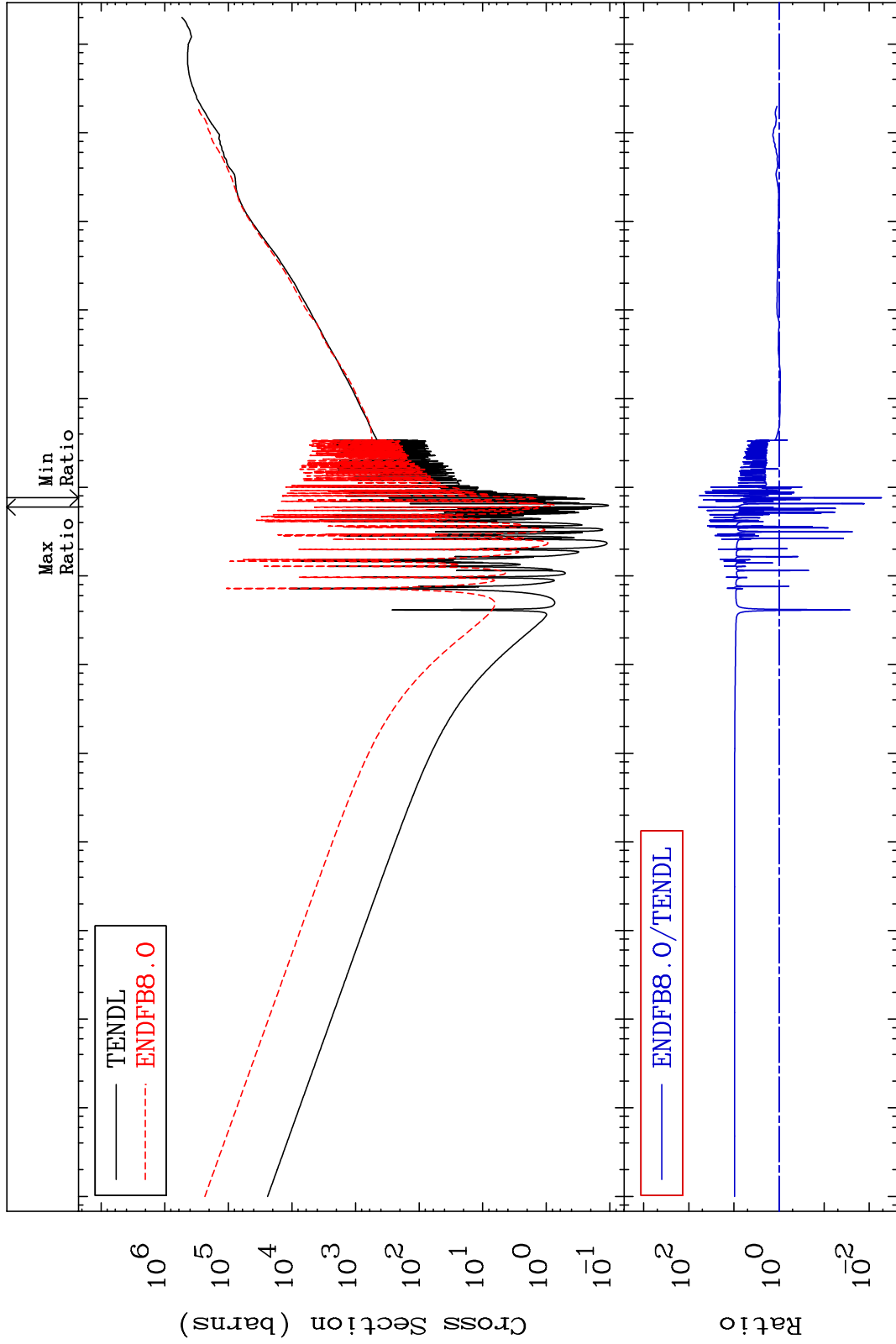
MAT 5331

Dpa total (eV-barns)

53-I -129

-99.47 To 6050. %

Cross Section



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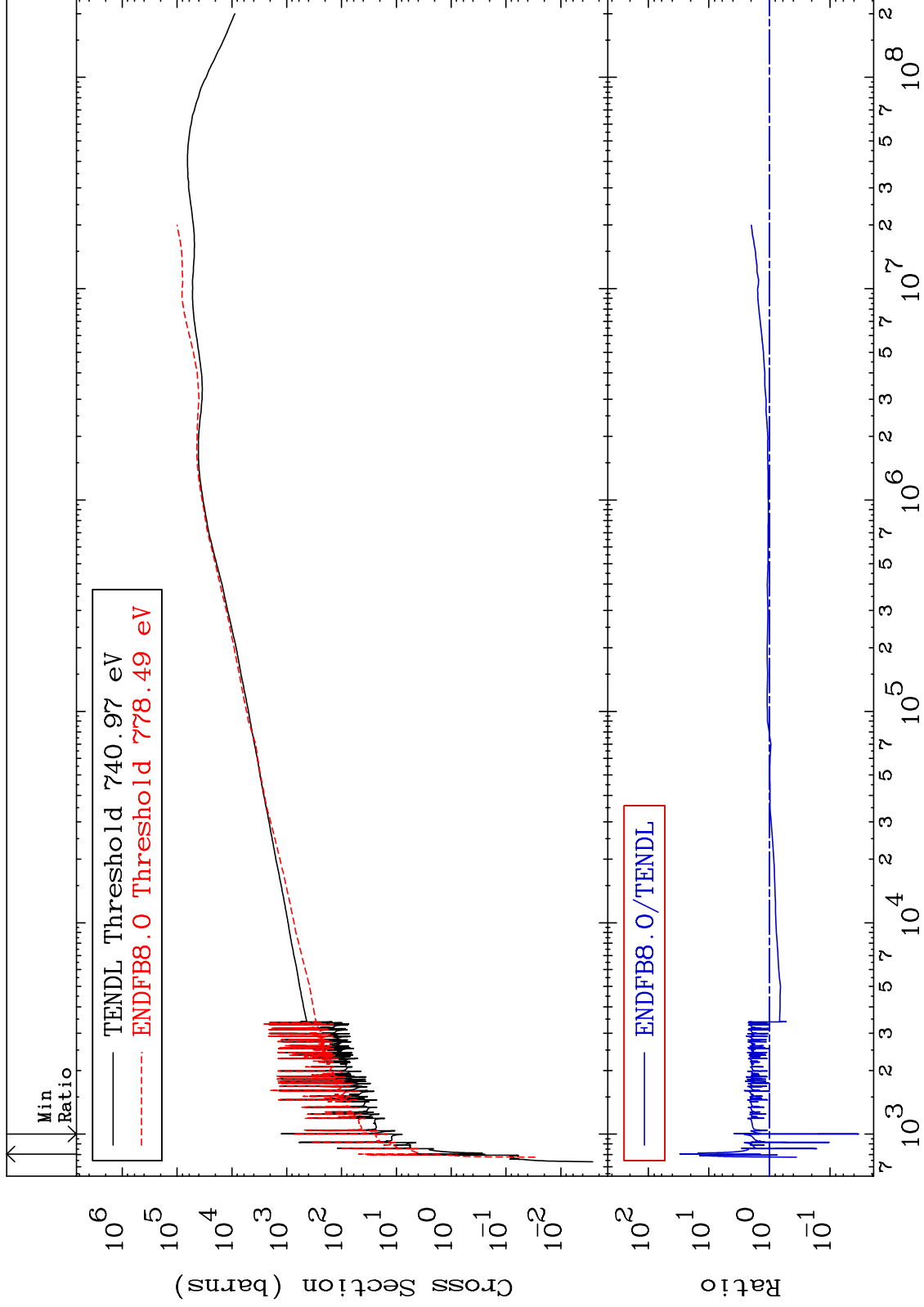
Incident Energy (eV)

53-I -129

MAT 5331

Dpa elastic (mt2)
Cross Section

53-I -129
-96.62 To 2890. %



47

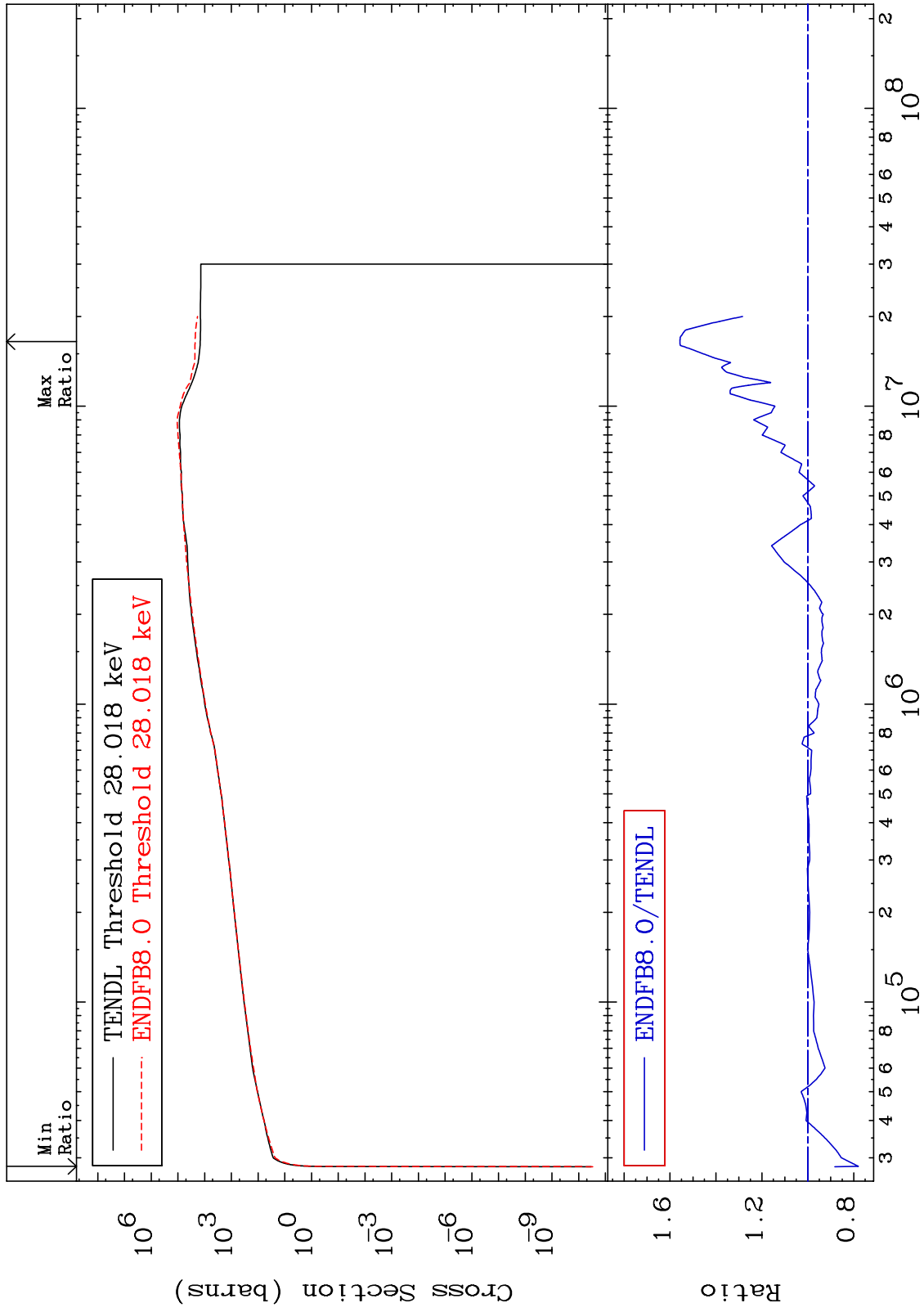
Incident Energy (eV)

53-I -129

MAT 5331

Dpa inelastic (mt51-91)
Cross Section

53-I -129
-22.05 To 55.65 %



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Incident Energy (eV)

53-I -129

MAT 5331

Dpa disappearance (mt102 -120)
Cross Section

53-I -129
-99.47 To 9999. %

