

Program Complot
(Version 2018-1)

by

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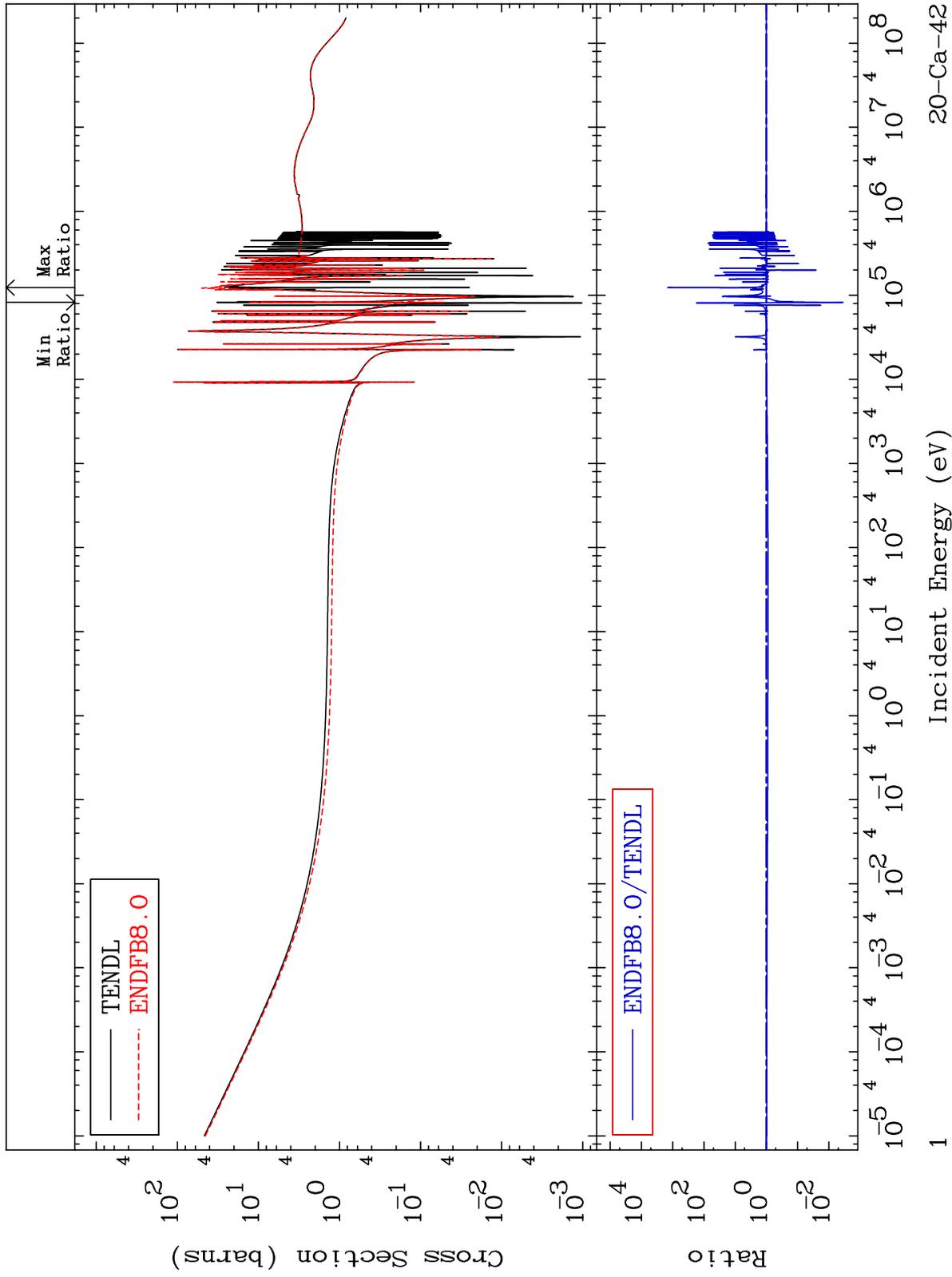
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2031

Total
Cross Section

20-Ca-42
-99.64 To 9999. %



20-Ca-42

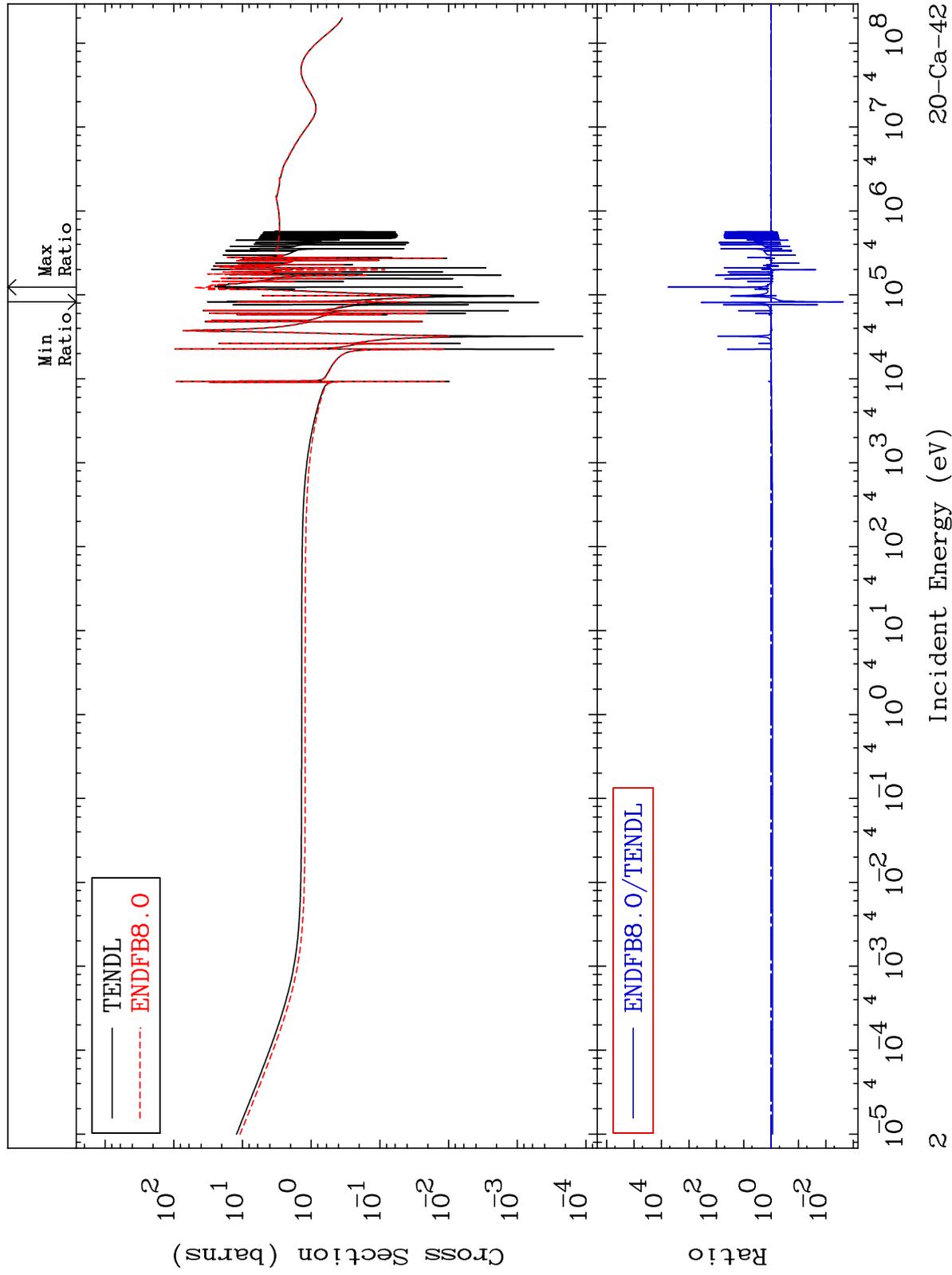
Incident Energy (eV)

1

MAT 2031

Elastic
Cross Section

20-Ca-42
-99.76 To 9999. %

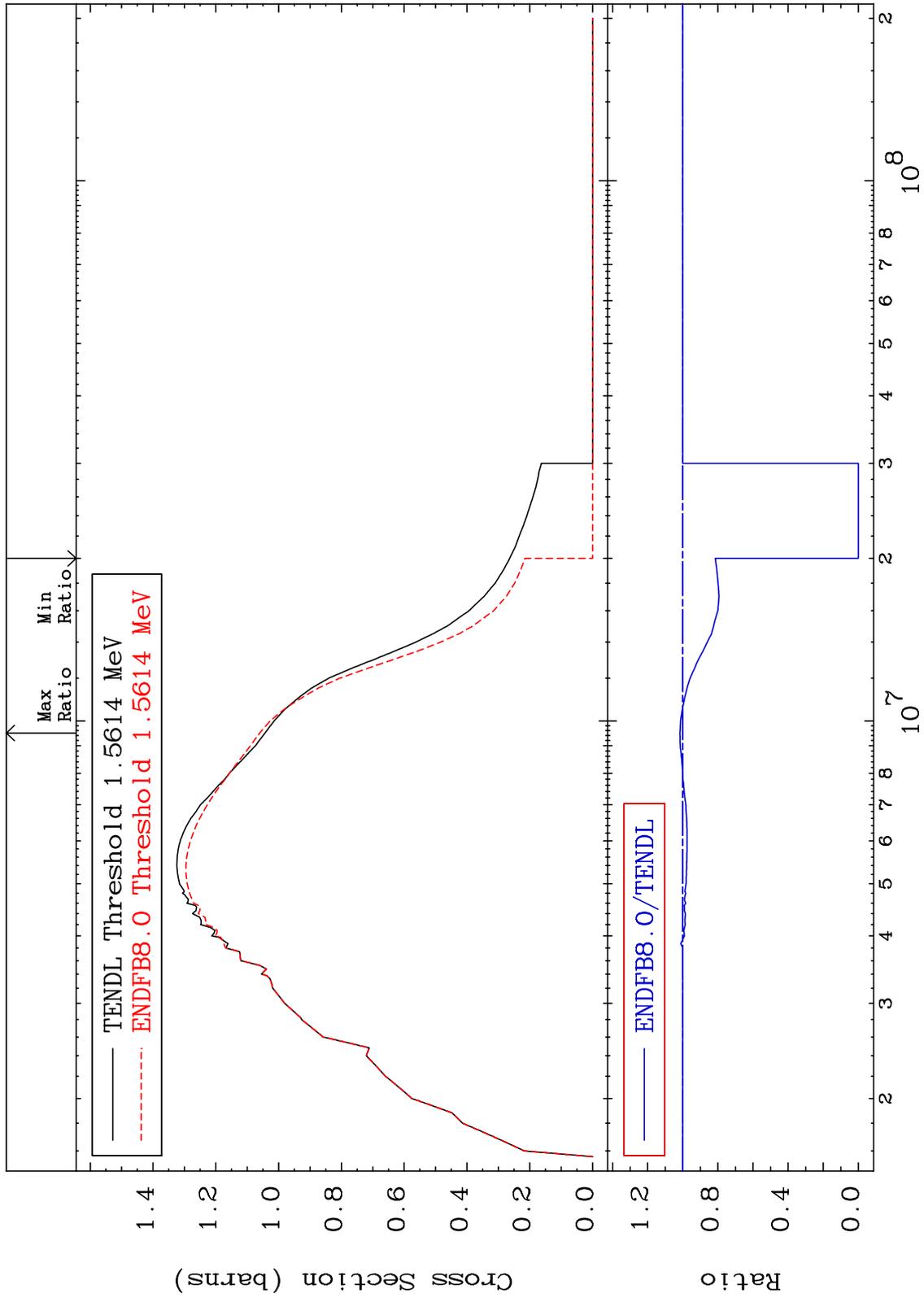


MAT 2031

Inelastic
Cross Section

20-Ca-42

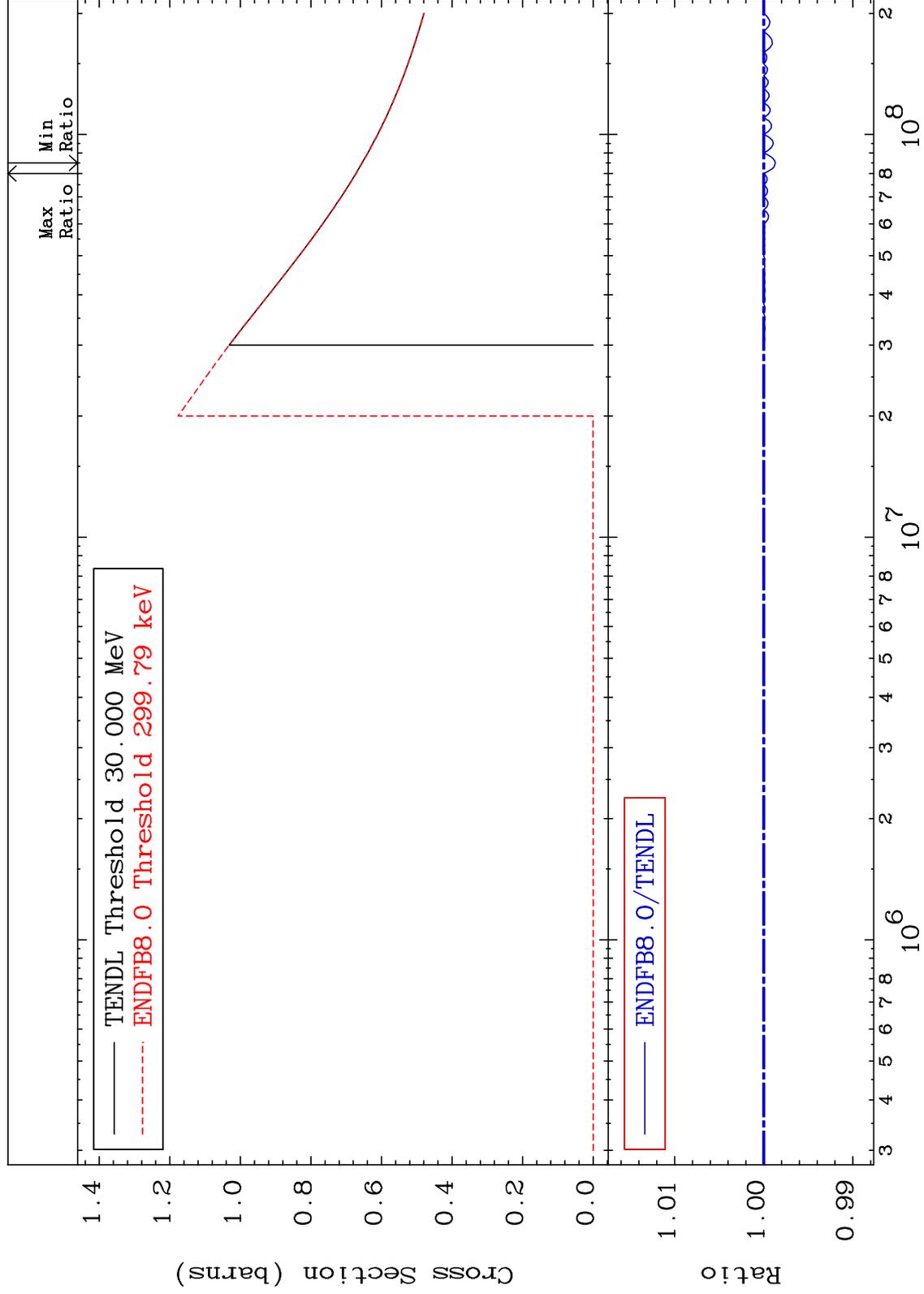
-100.0 To 1.629 %



MAT 2031

(n, remainder)
Cross Section

20-Ca-42
-0.129 To 0.000 %



4

Incident Energy (eV)

20-Ca-42

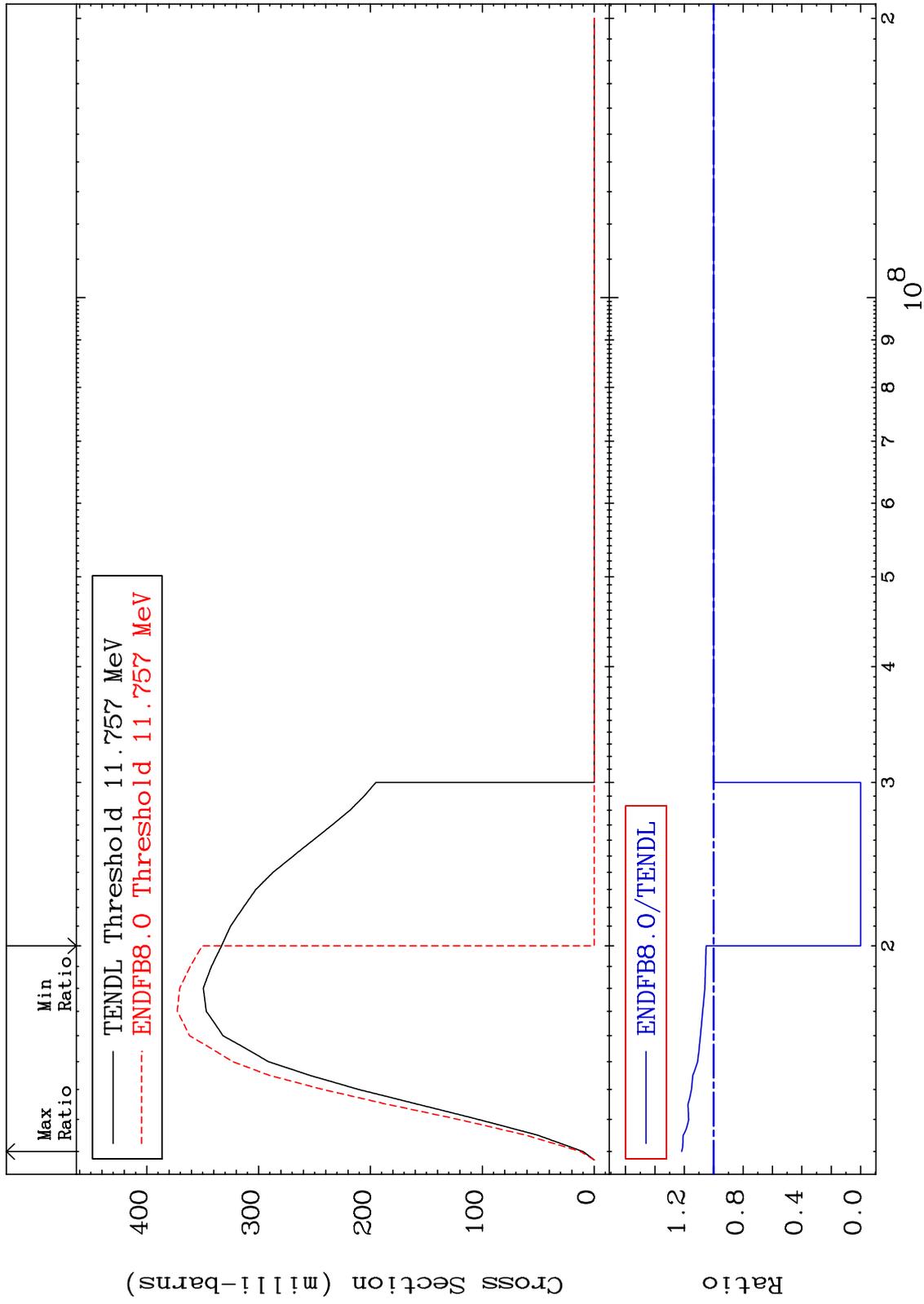
MAT 2031

(n,2n)

20-Ca-42

Cross Section

-100.0 To 21.75 %



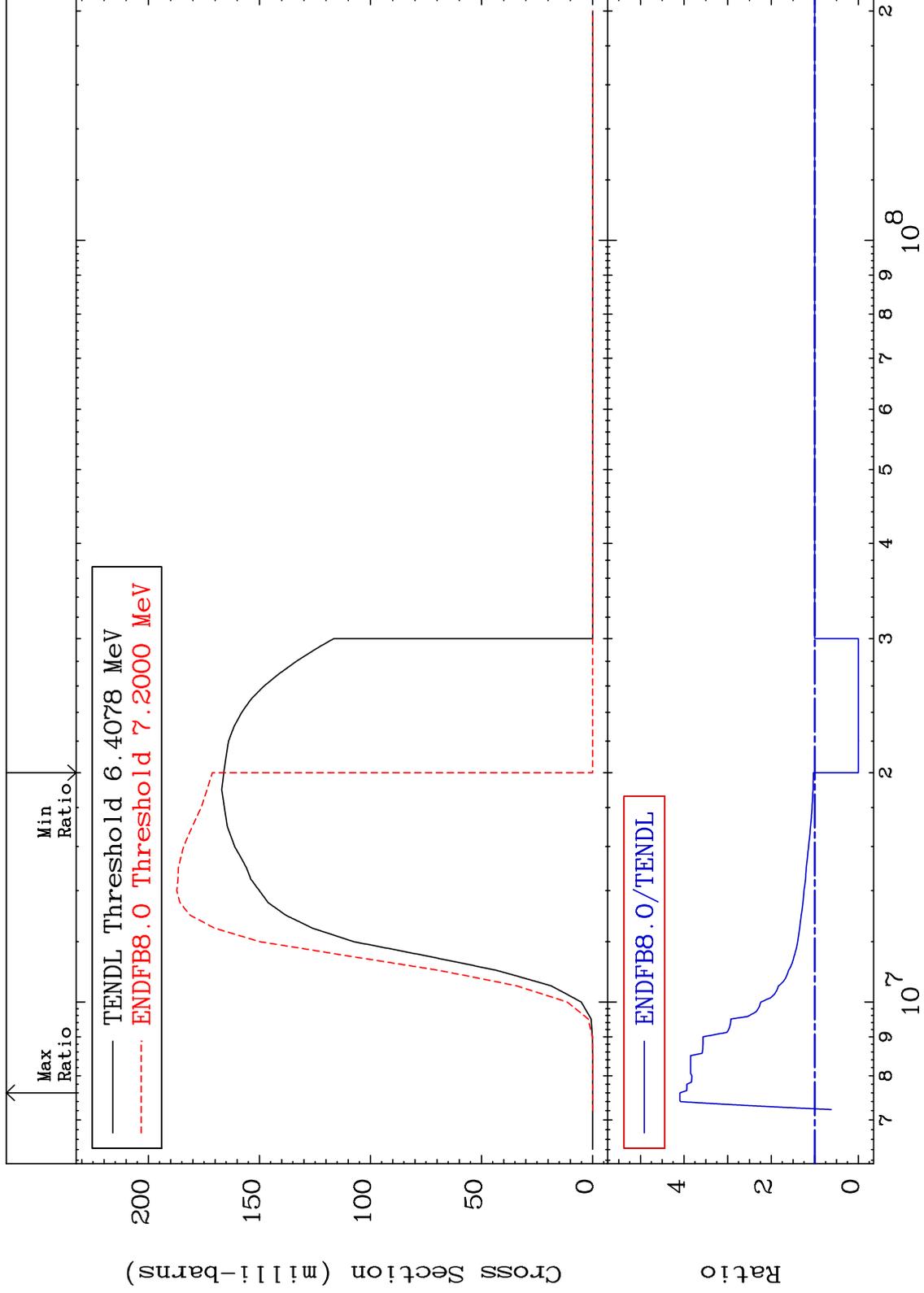
MAT 2031

(n,n') α

20-Ca-42

Cross Section

-100.0 To 309.5 %



6

Incident Energy (eV)

20-Ca-42

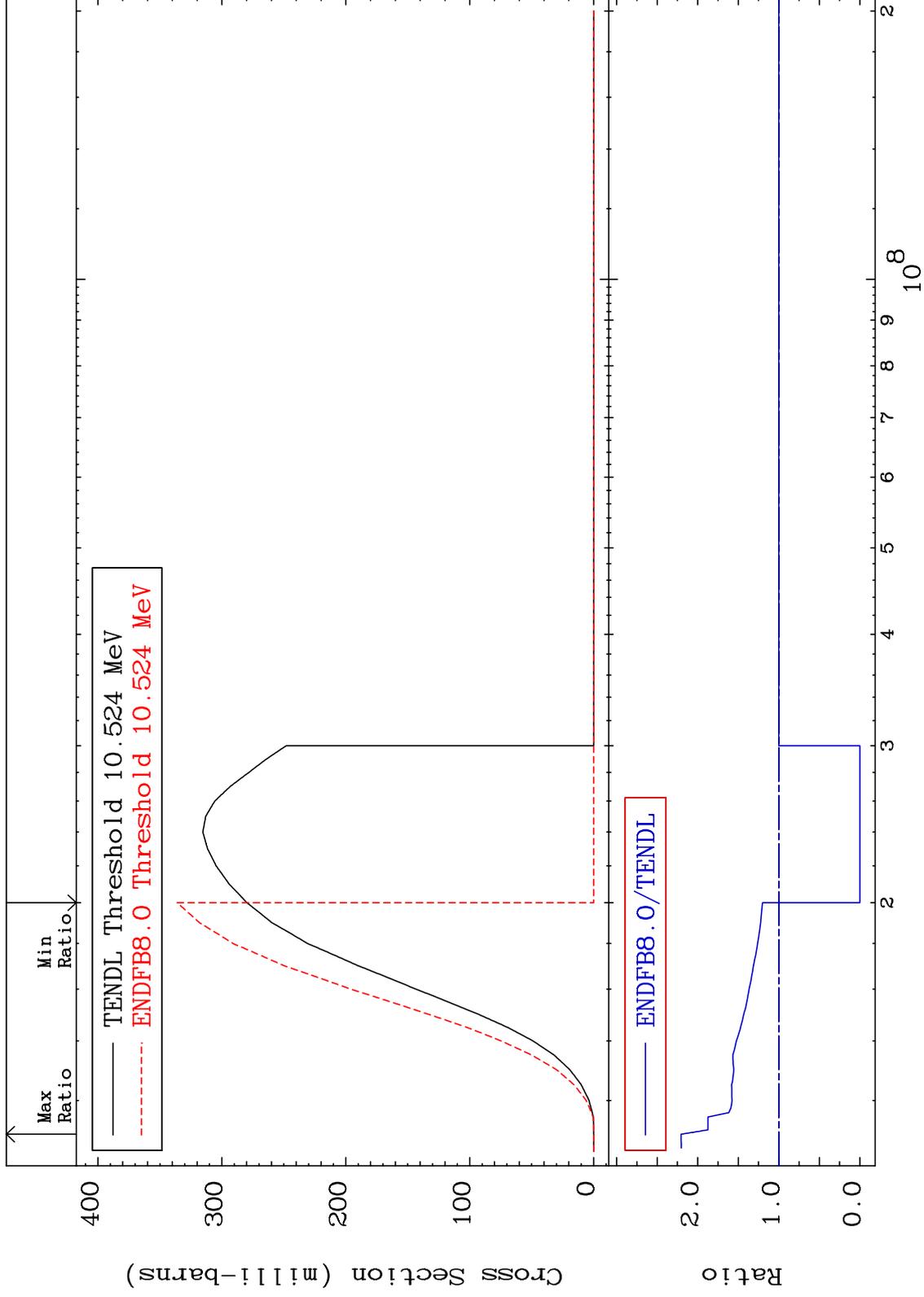
MAT 2031

(n,n') p

20-Ca-42

Cross Section

-100.0 To 120.4 %



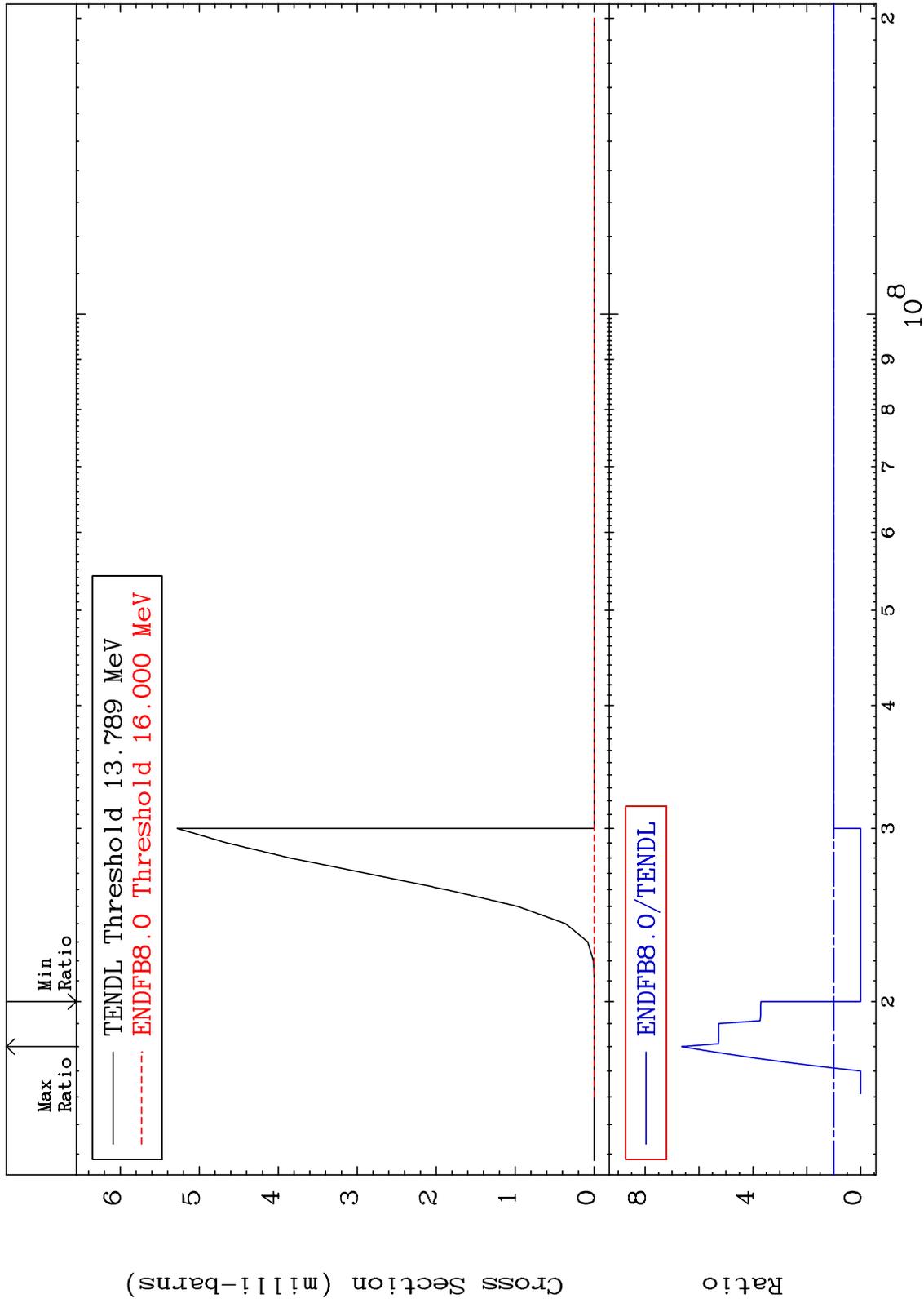
MAT 2031

(n,n') 2α

20-Ca-42

Cross Section

-100.0 To 564.2 %



8

Incident Energy (eV)

20-Ca-42

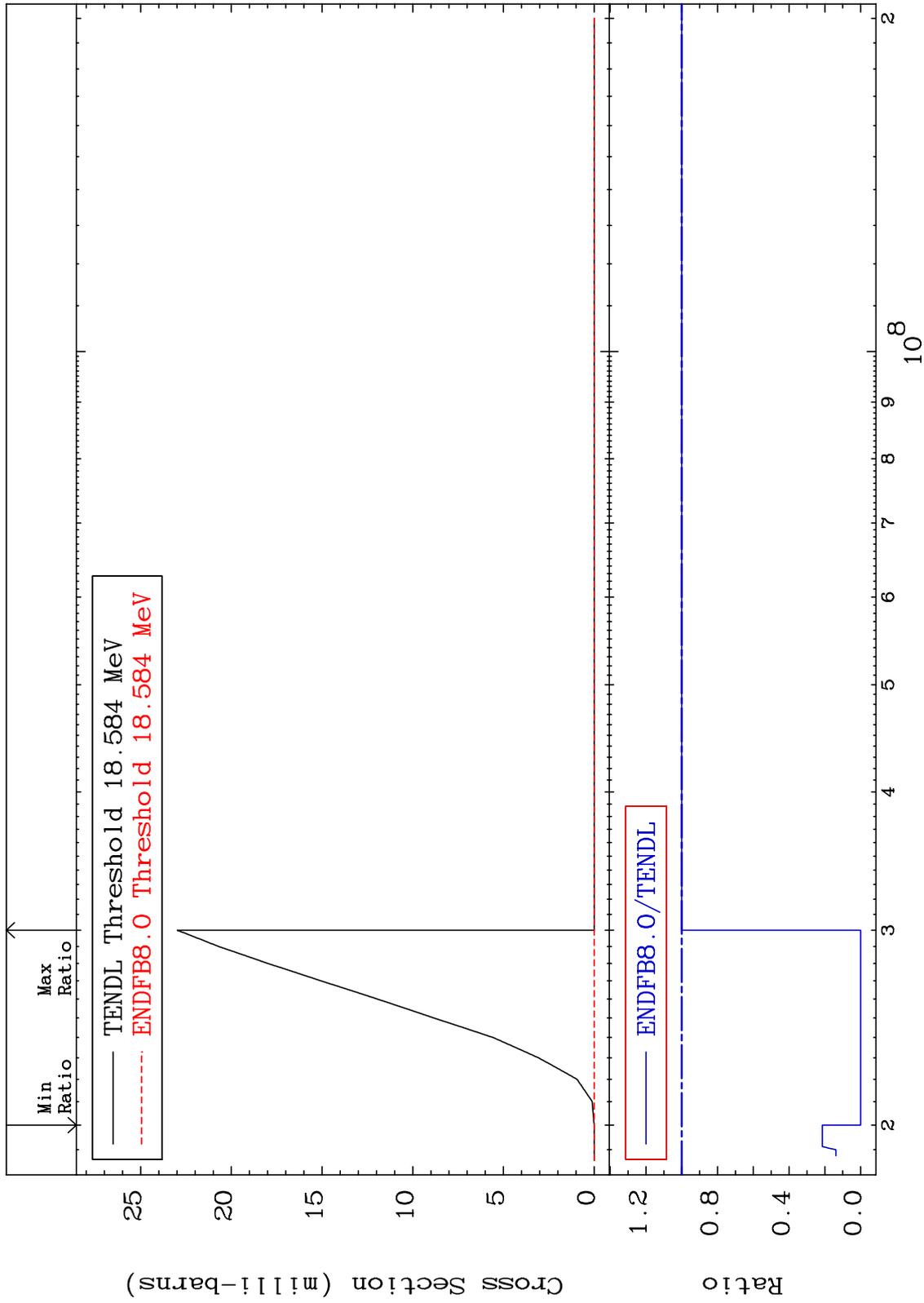
MAT 2031

(n,n') d

20-Ca-42

Cross Section

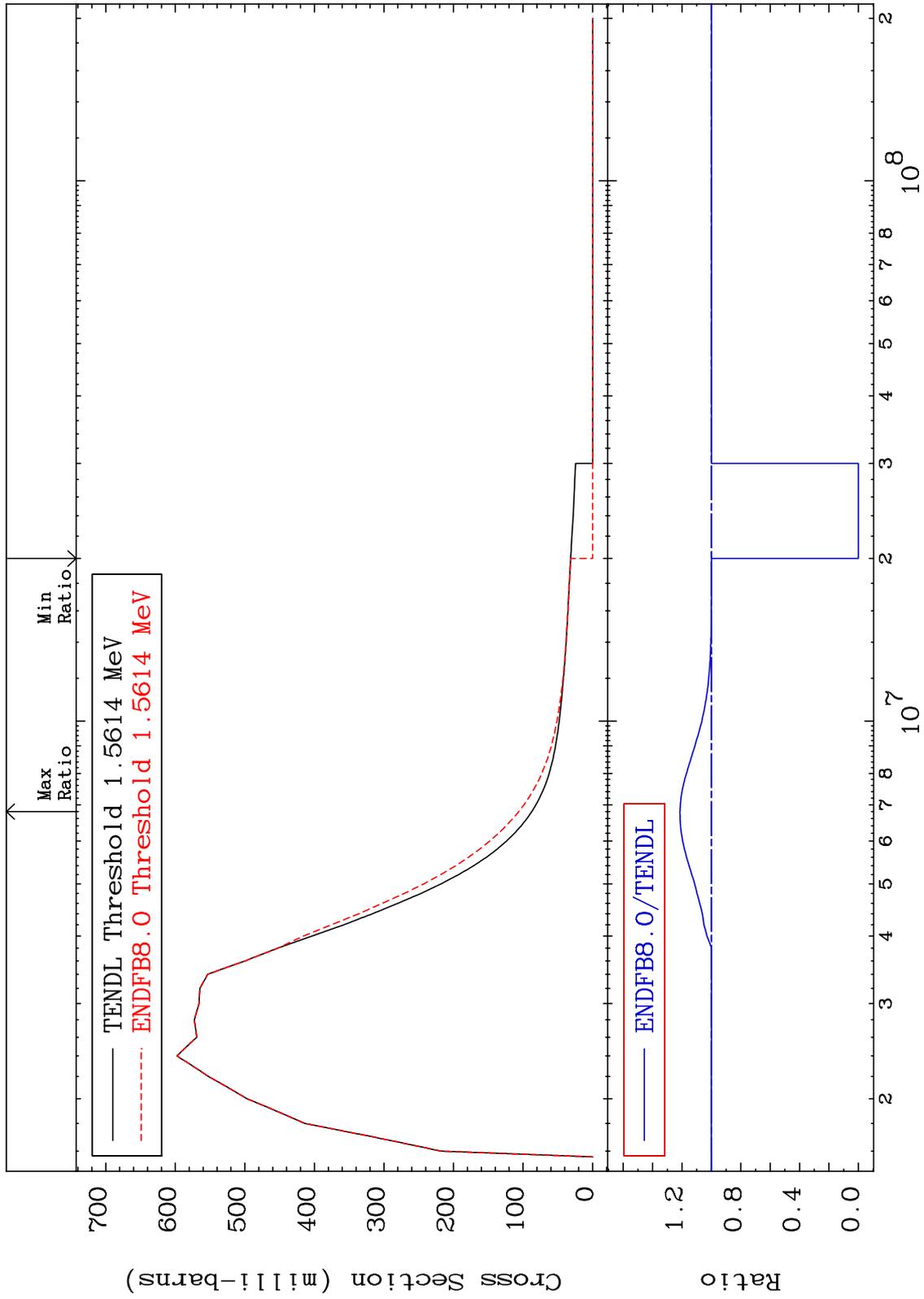
-100.0 To 0.000 %



MAT 2031

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

20-Ca-42
-100.0 To 21.42 %



10

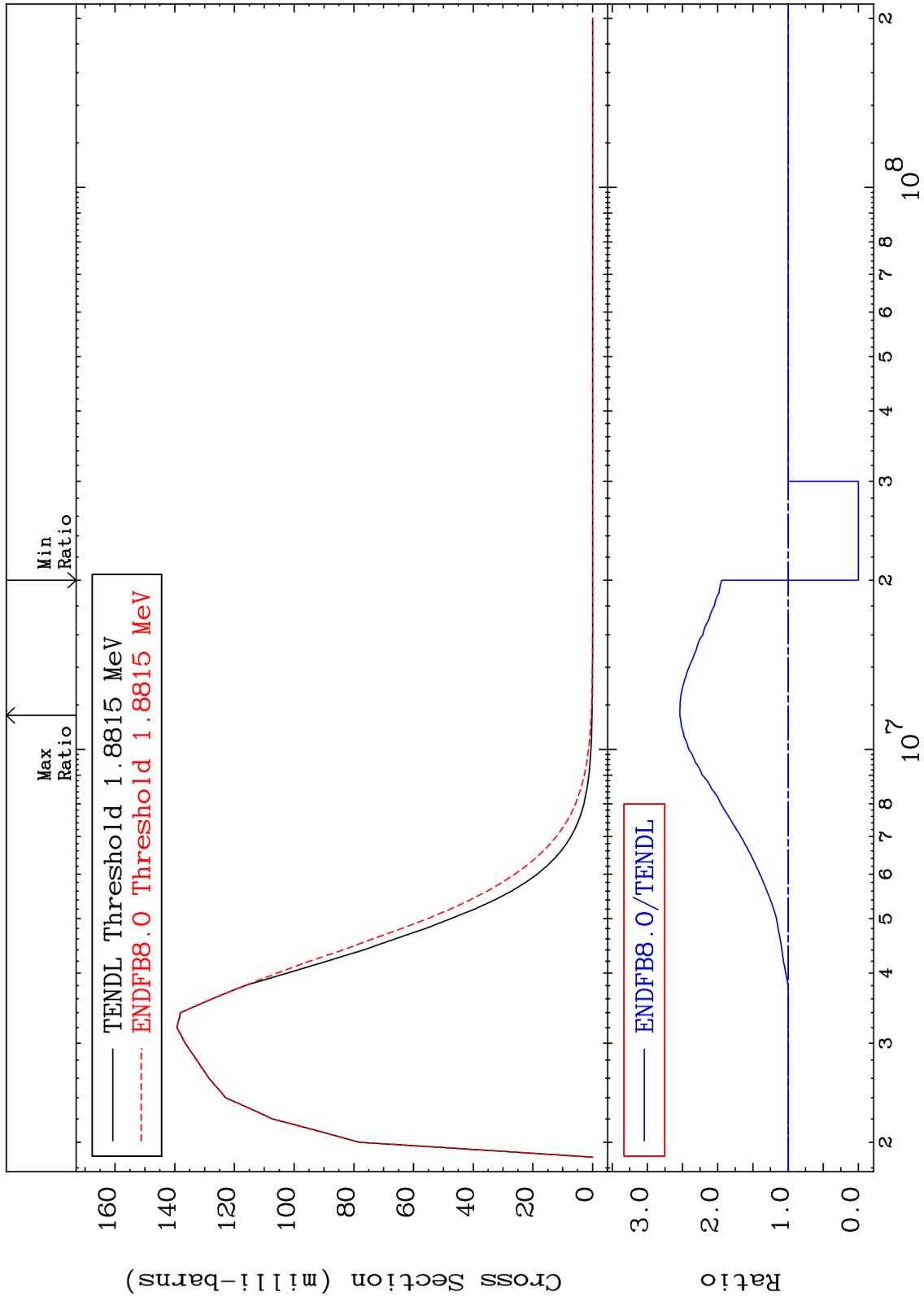
Incident Energy (eV)

20-Ca-42

MAT 2031

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

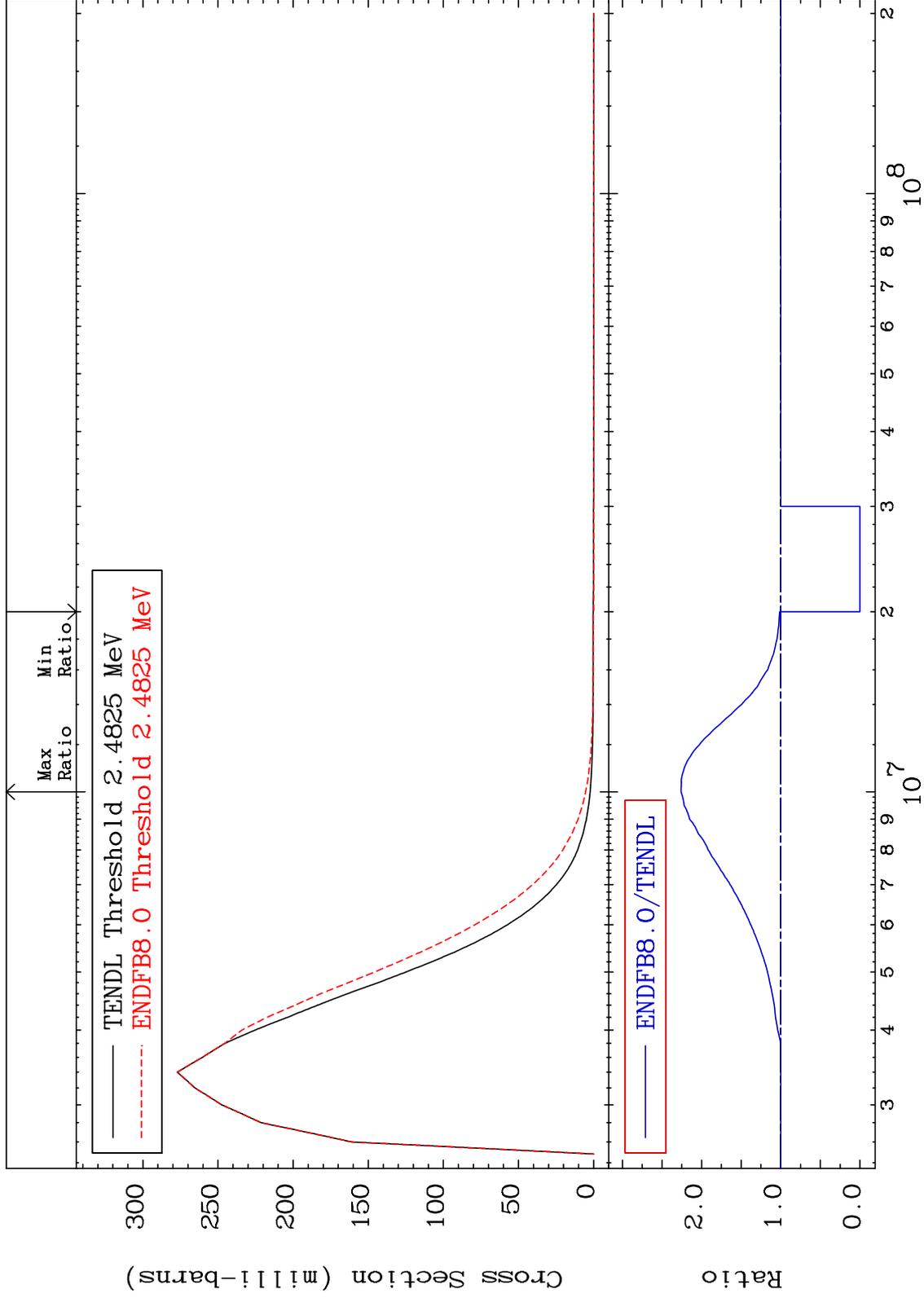
20-Ca-42
-100.0 To 153.7 %



MAT 2031

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

20-Ca-42
-100.0 To 125.8 %

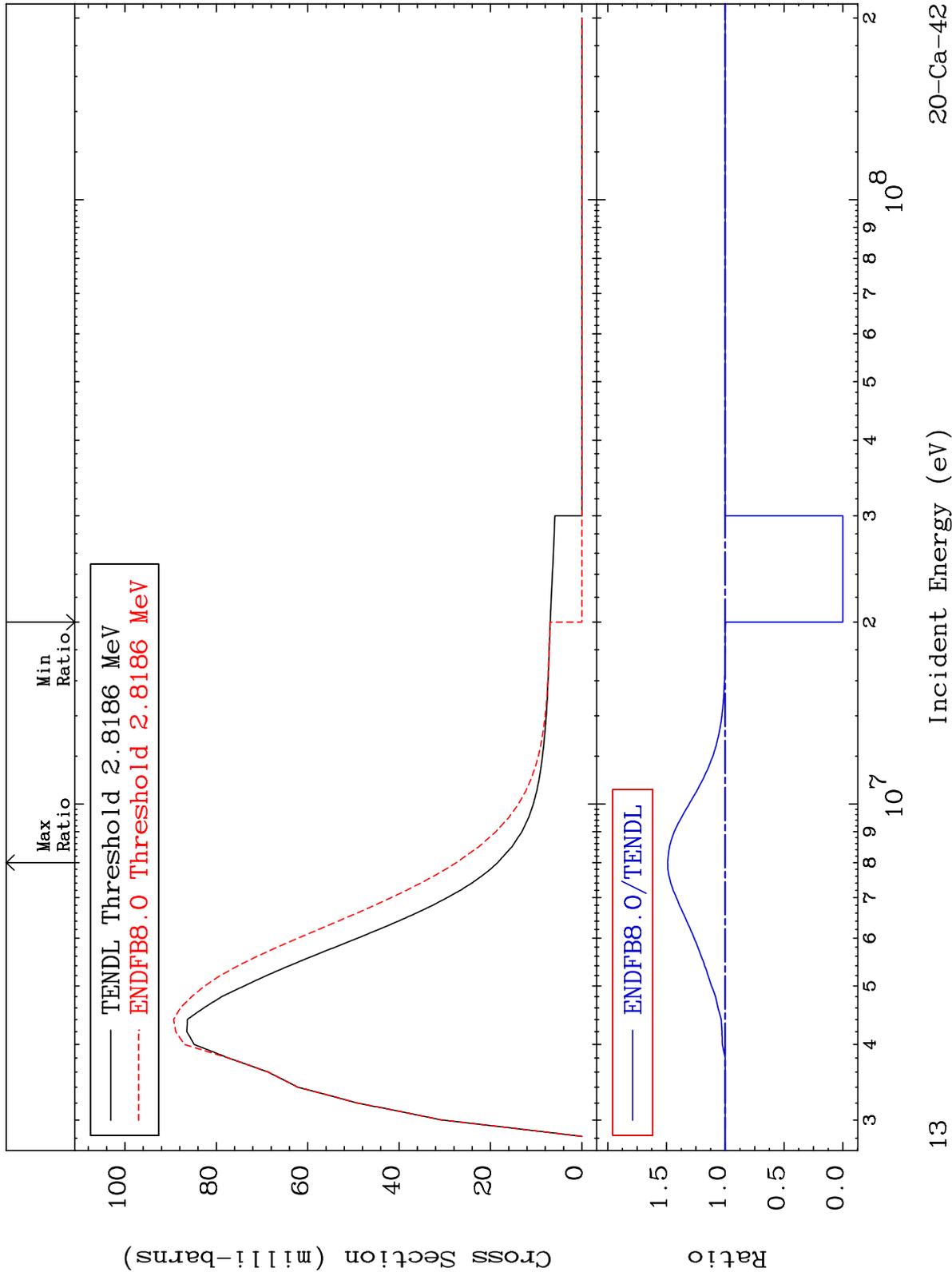


12

Incident Energy (eV)

20-Ca-42

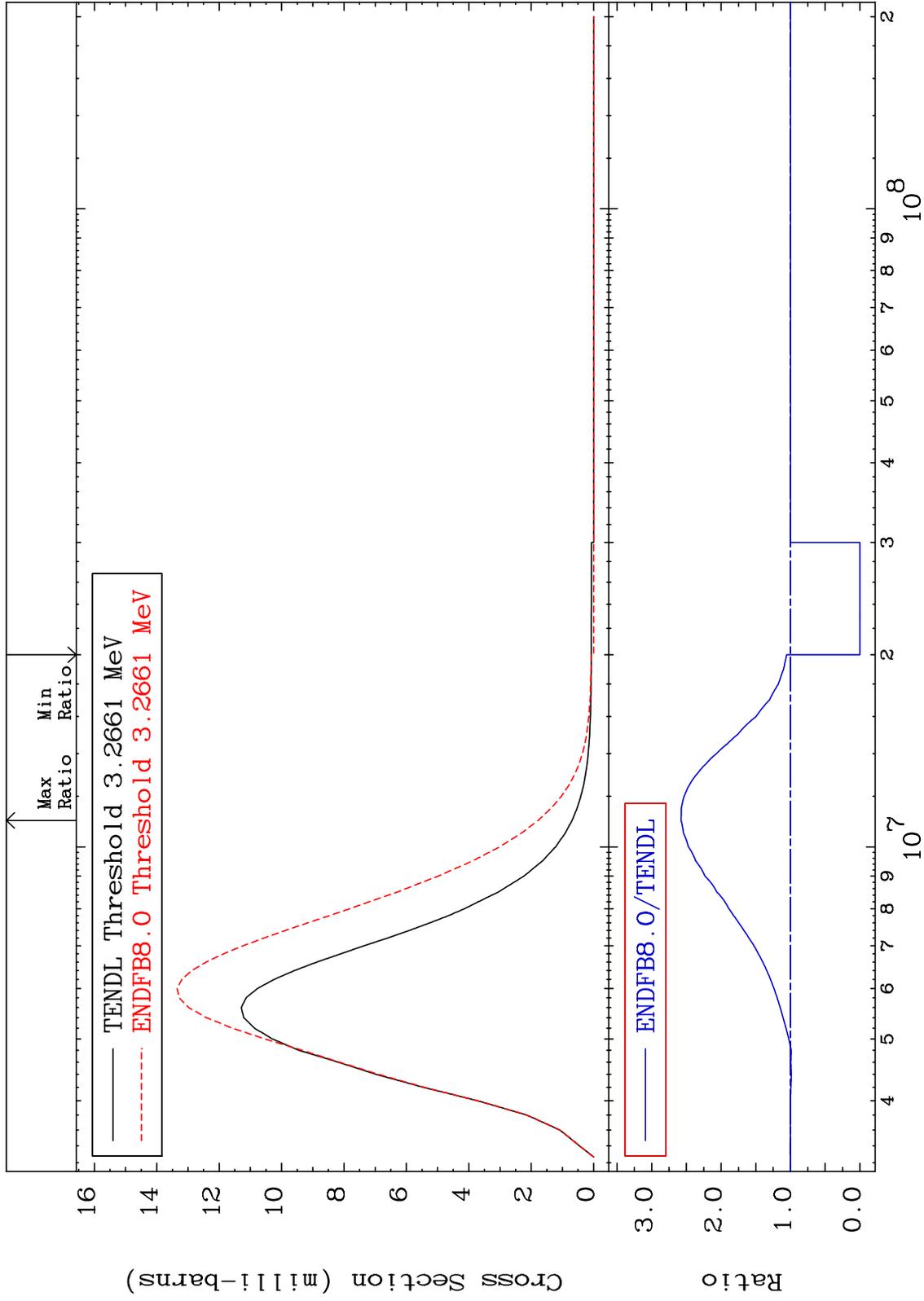
MAT 2031 MT= 54 (n,n') Level Cross Section -100.0 To 49.04 % 20-Ca-42



MAT 2031

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

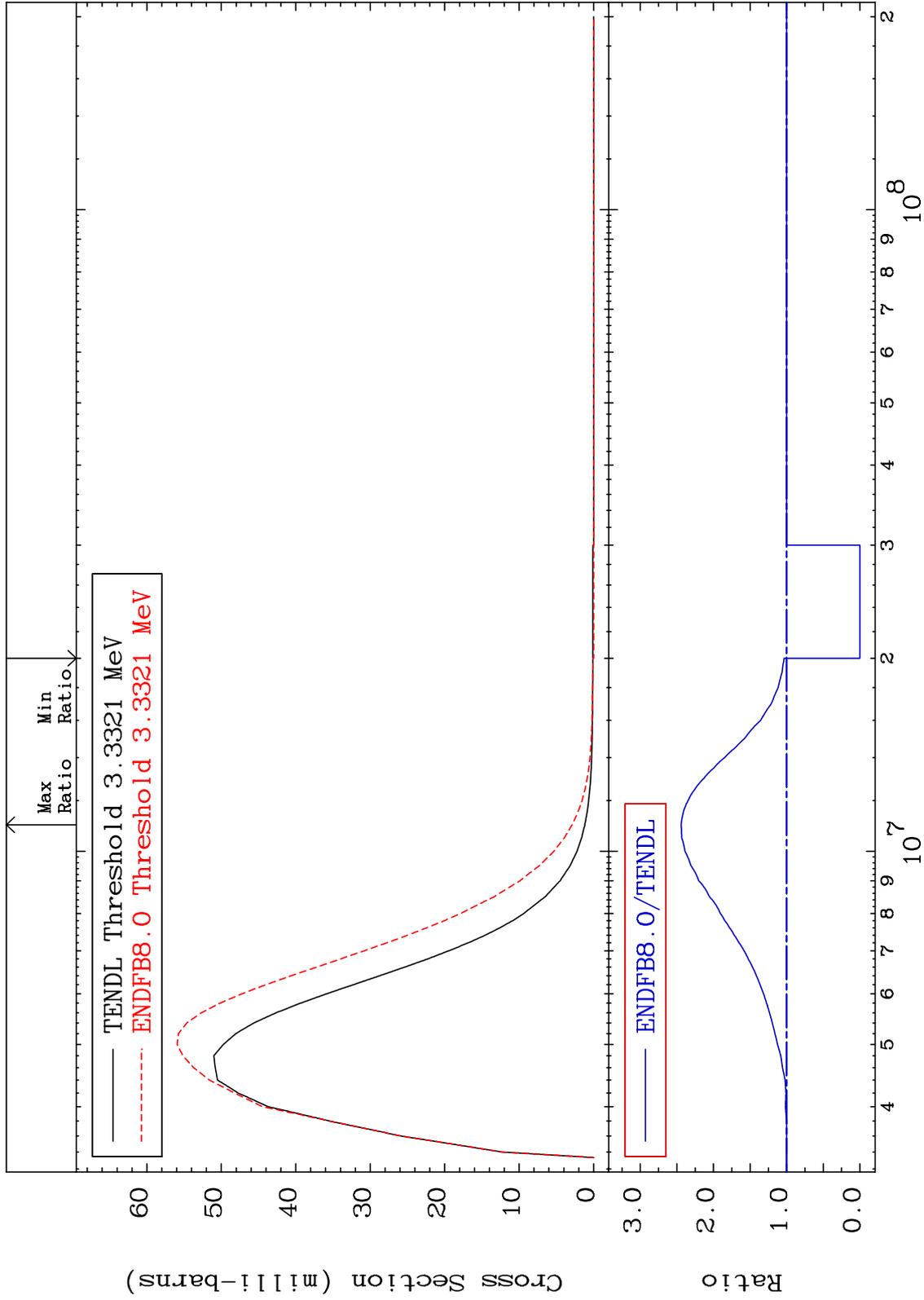
20-Ca-42
-100.0 To 157.6 %



MAT 2031

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

20-Ca-42
-100.0 To 144.2 %



15

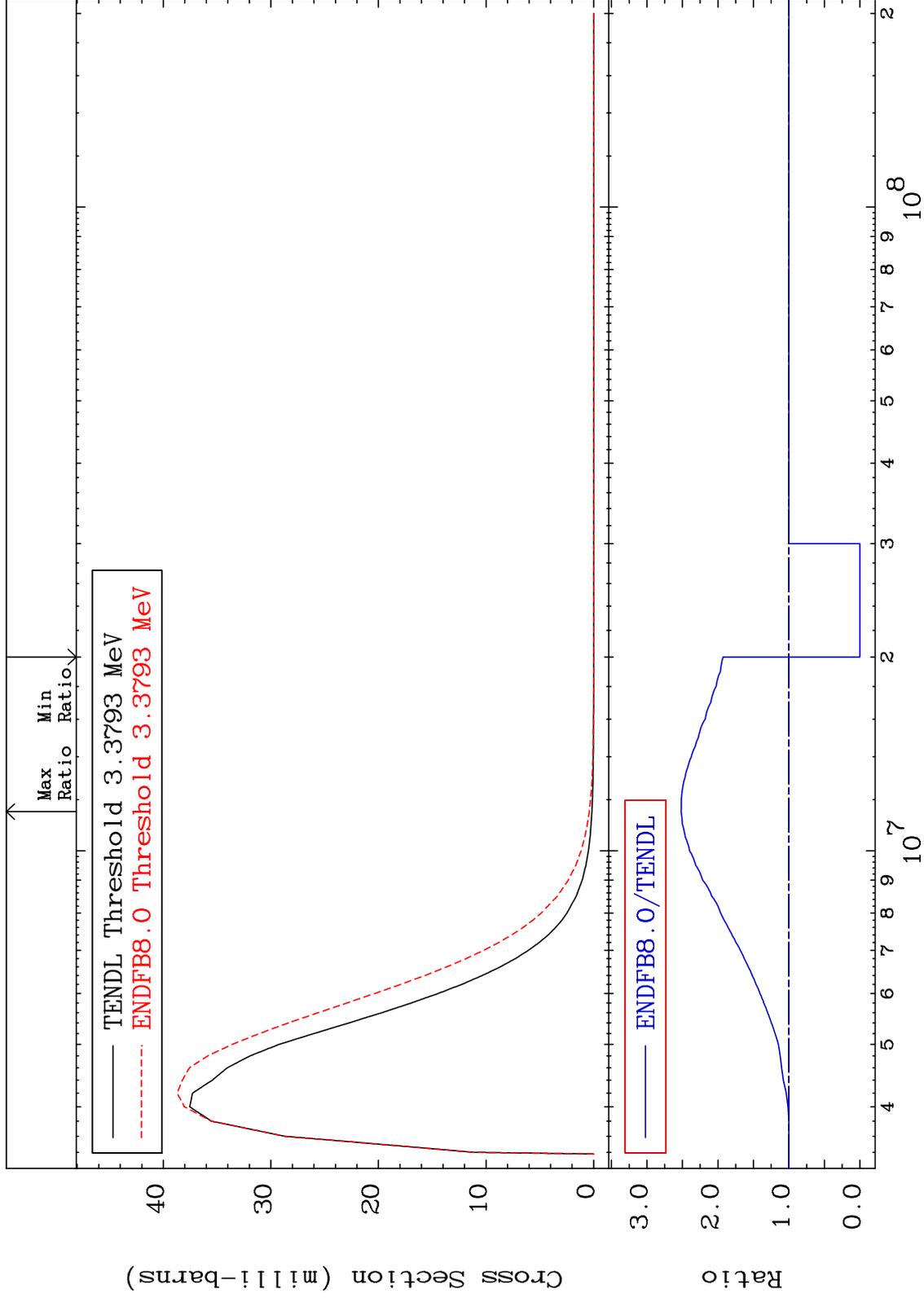
Incident Energy (eV)

20-Ca-42

MAT 2031

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

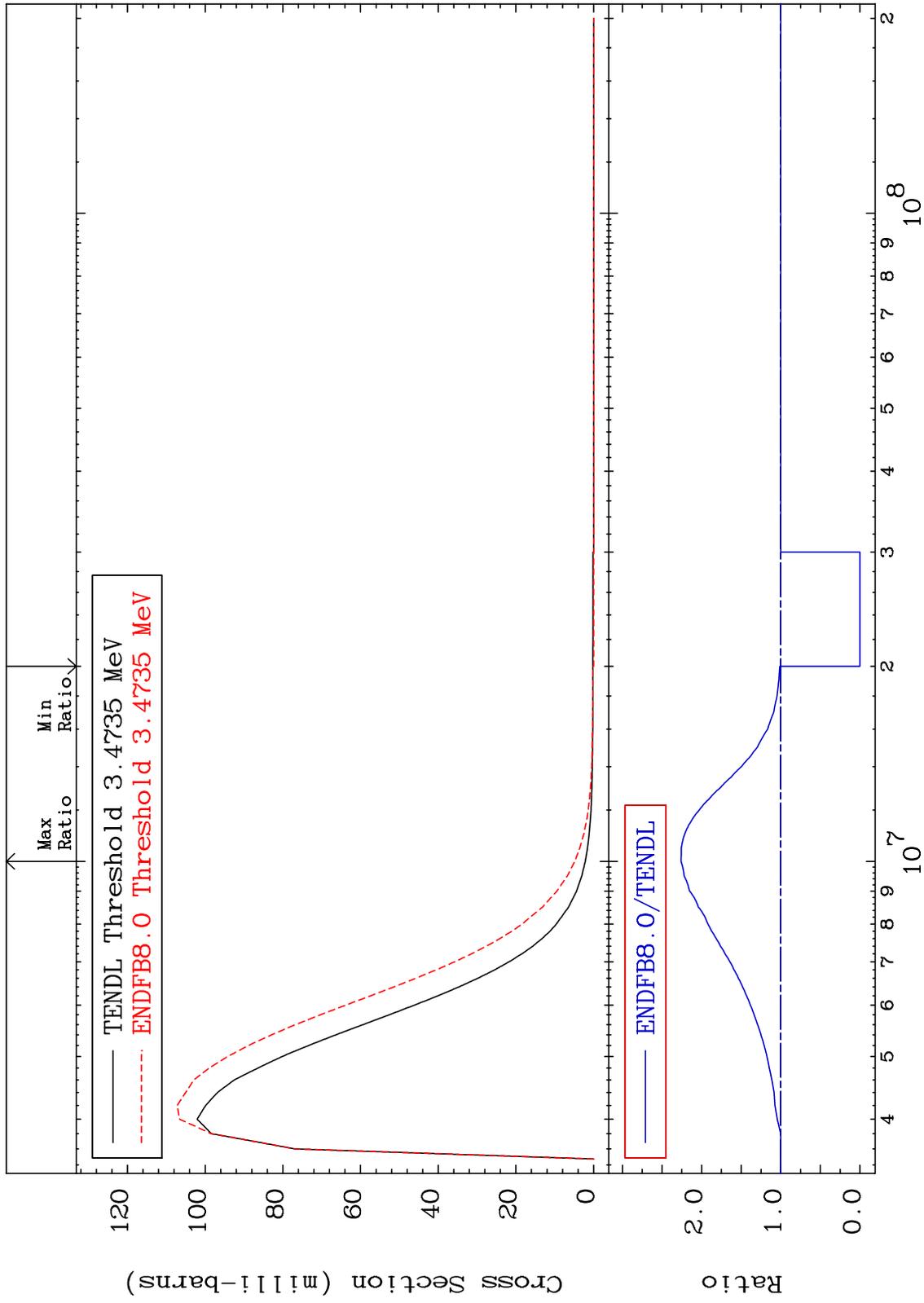
20-Ca-42
-100.0 To 151.8 %

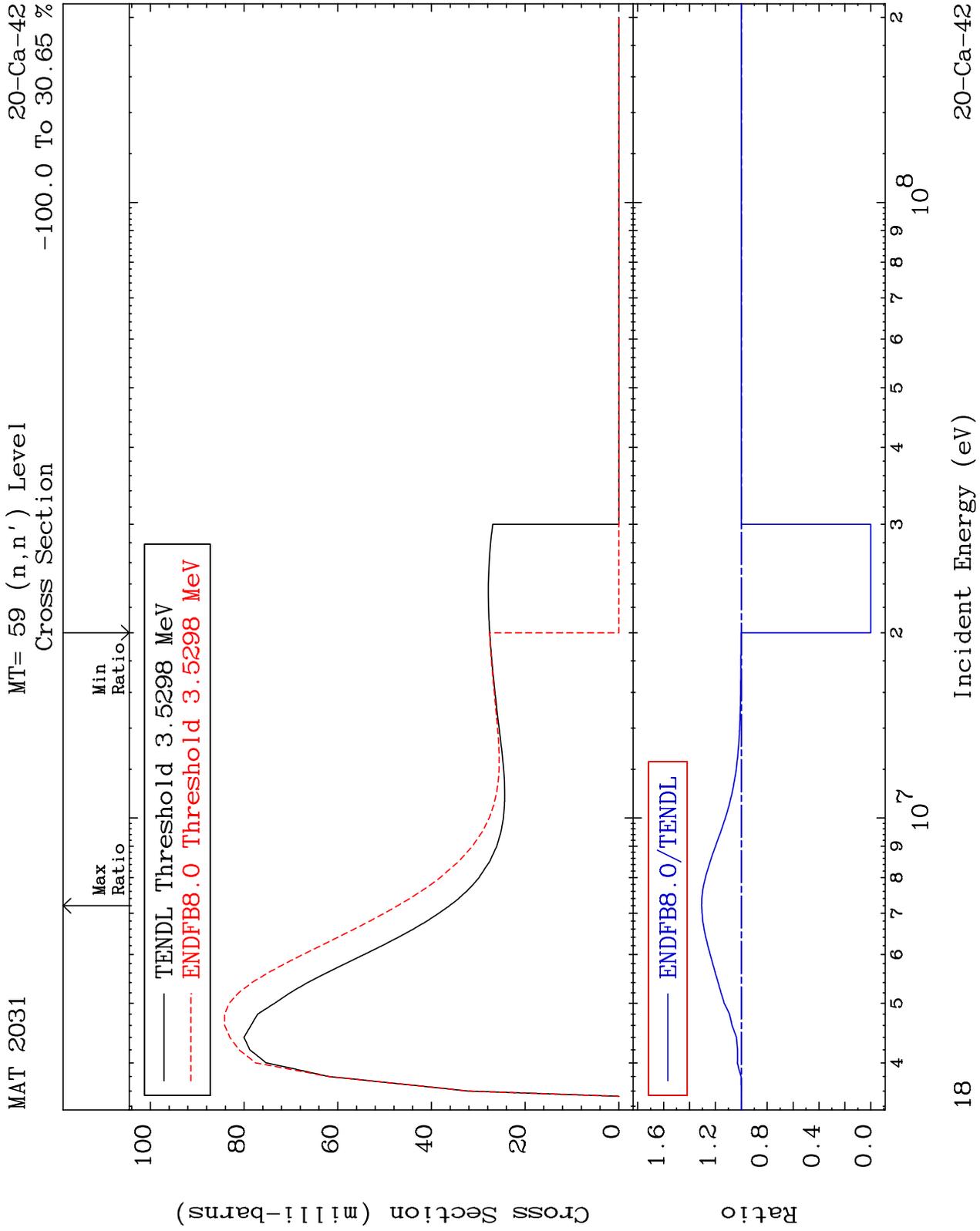


MAT 2031

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

20-Ca-42
-100.0 To 125.9 %

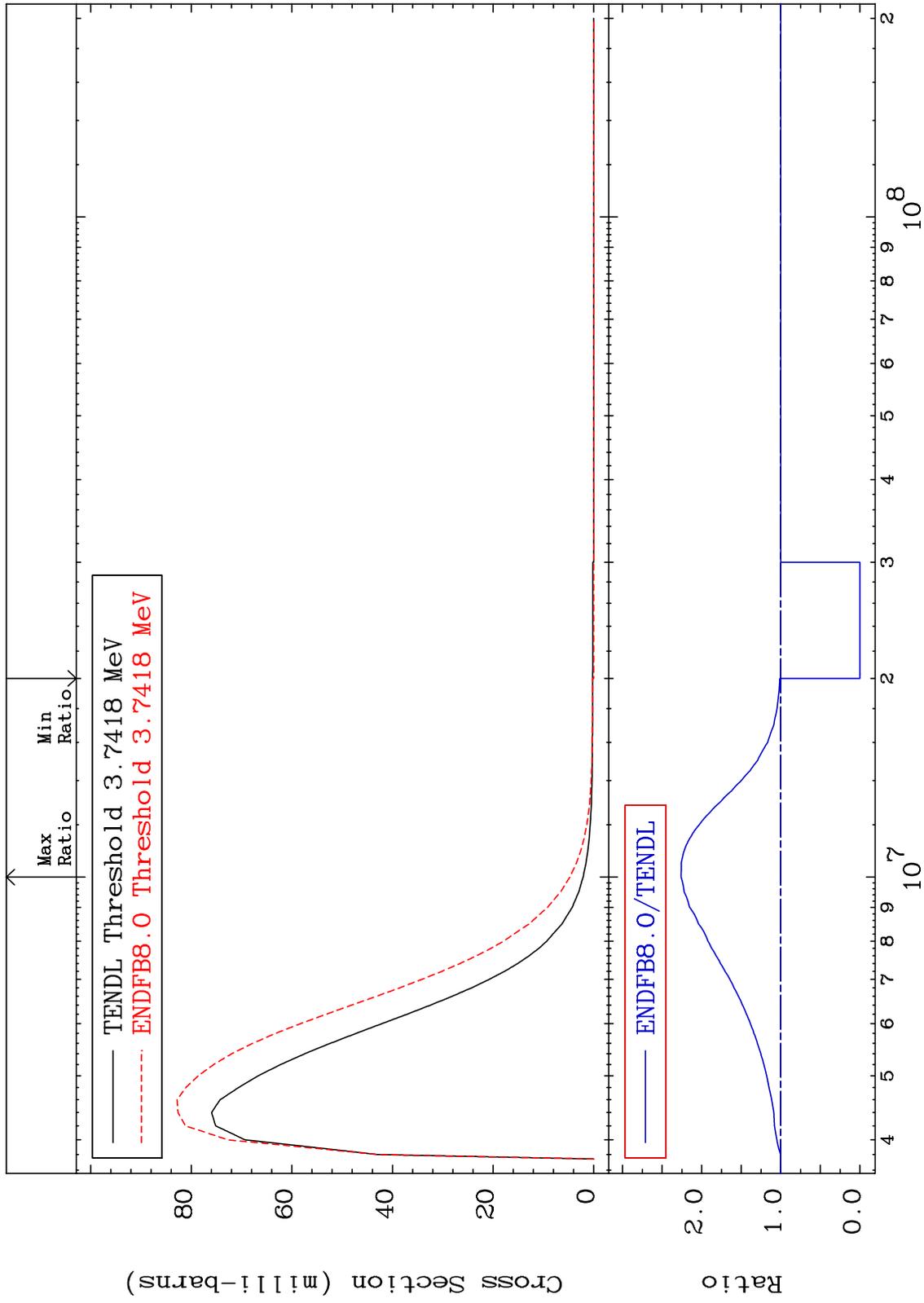




MAT 2031

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

20-Ca-42
-100.0 To 125.9 %



19

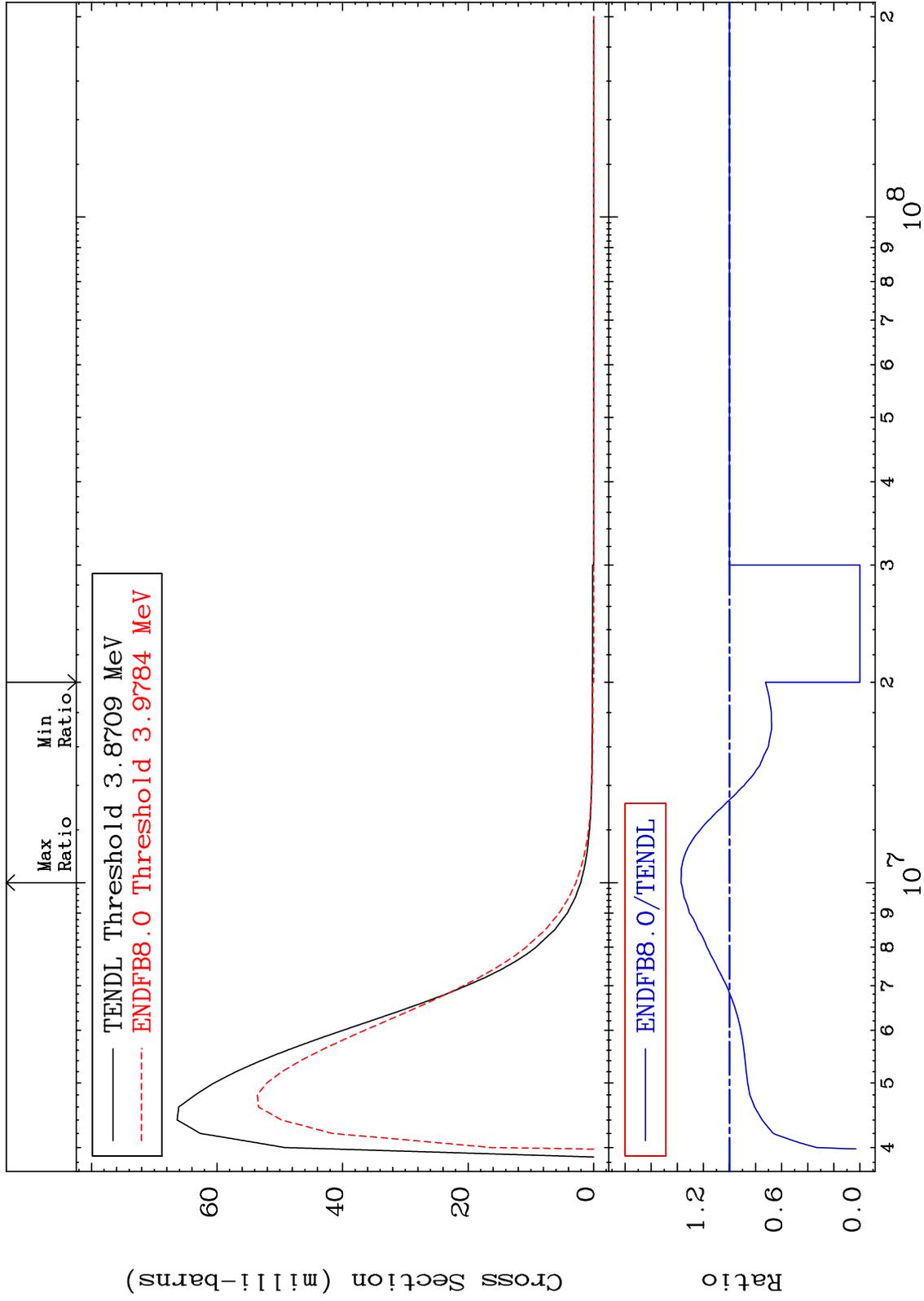
Incident Energy (eV)

20-Ca-42

MAT 2031

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

20-Ca-42
-100.0 To 37.06 %



20

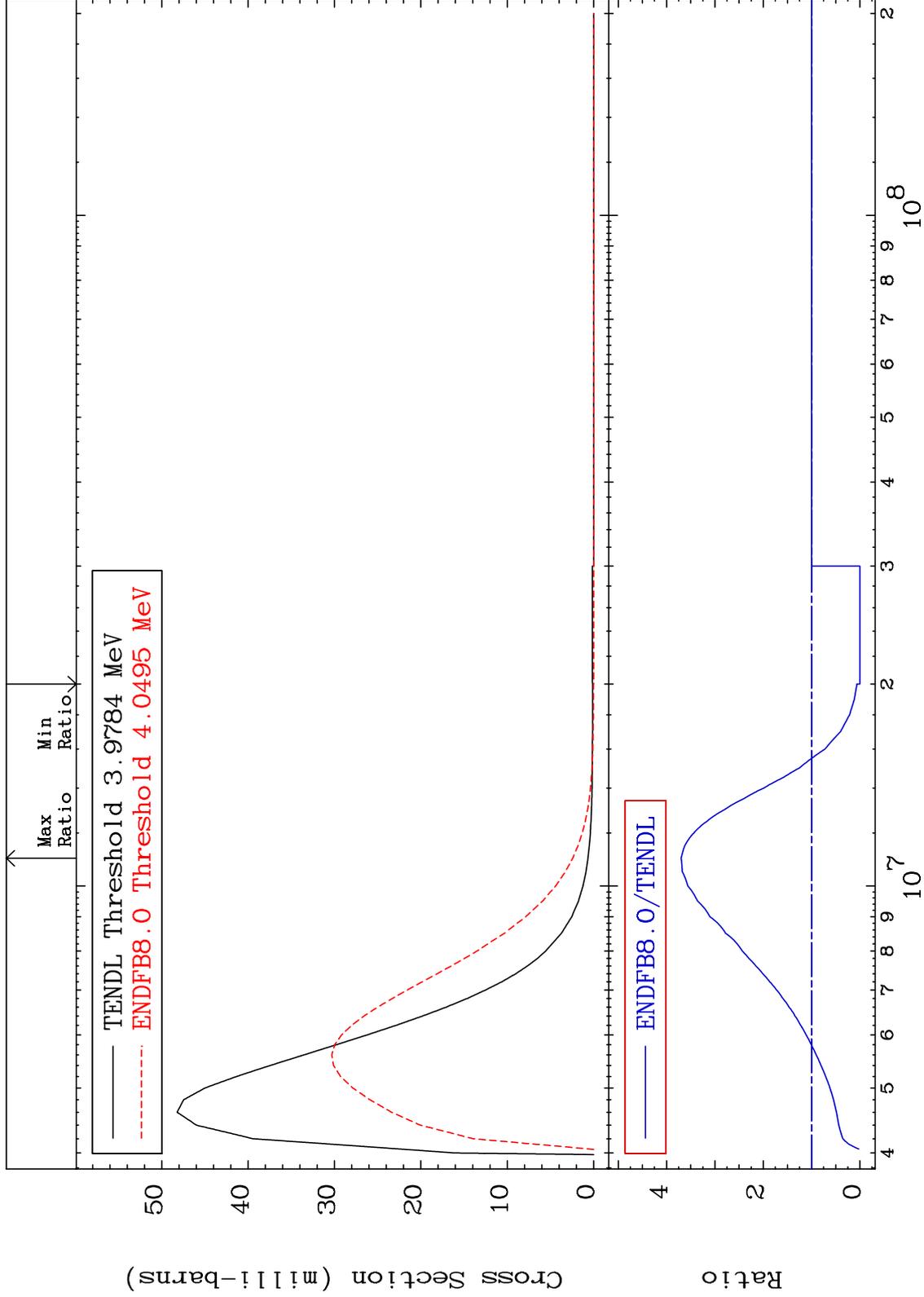
Incident Energy (eV)

20-Ca-42

MAT 2031

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

20-Ca-42
-100.0 To 269.9 %



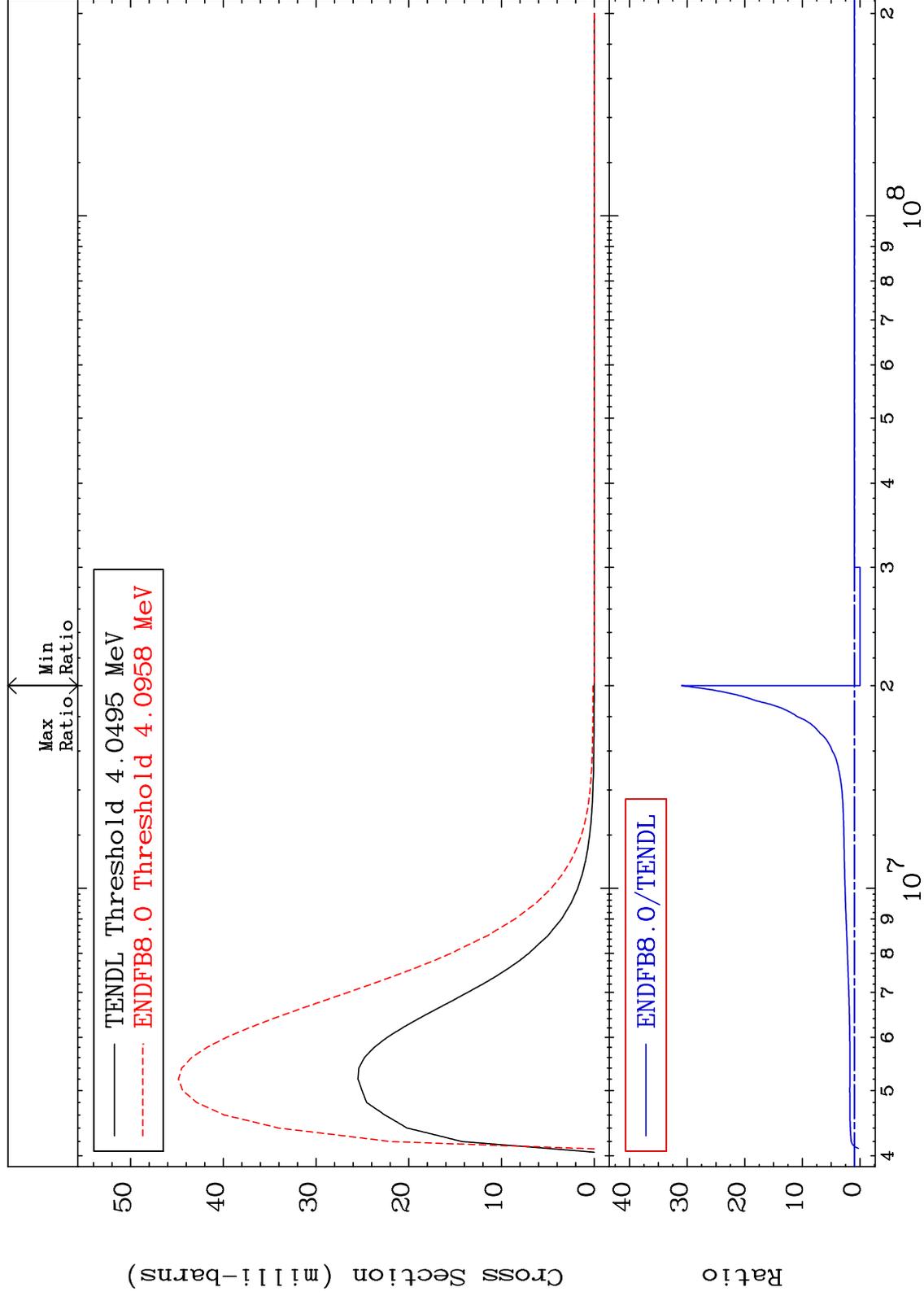
MAT 2031

MT= 63 (n,n') Level

20-Ca-42

-100.0 To 2998. %

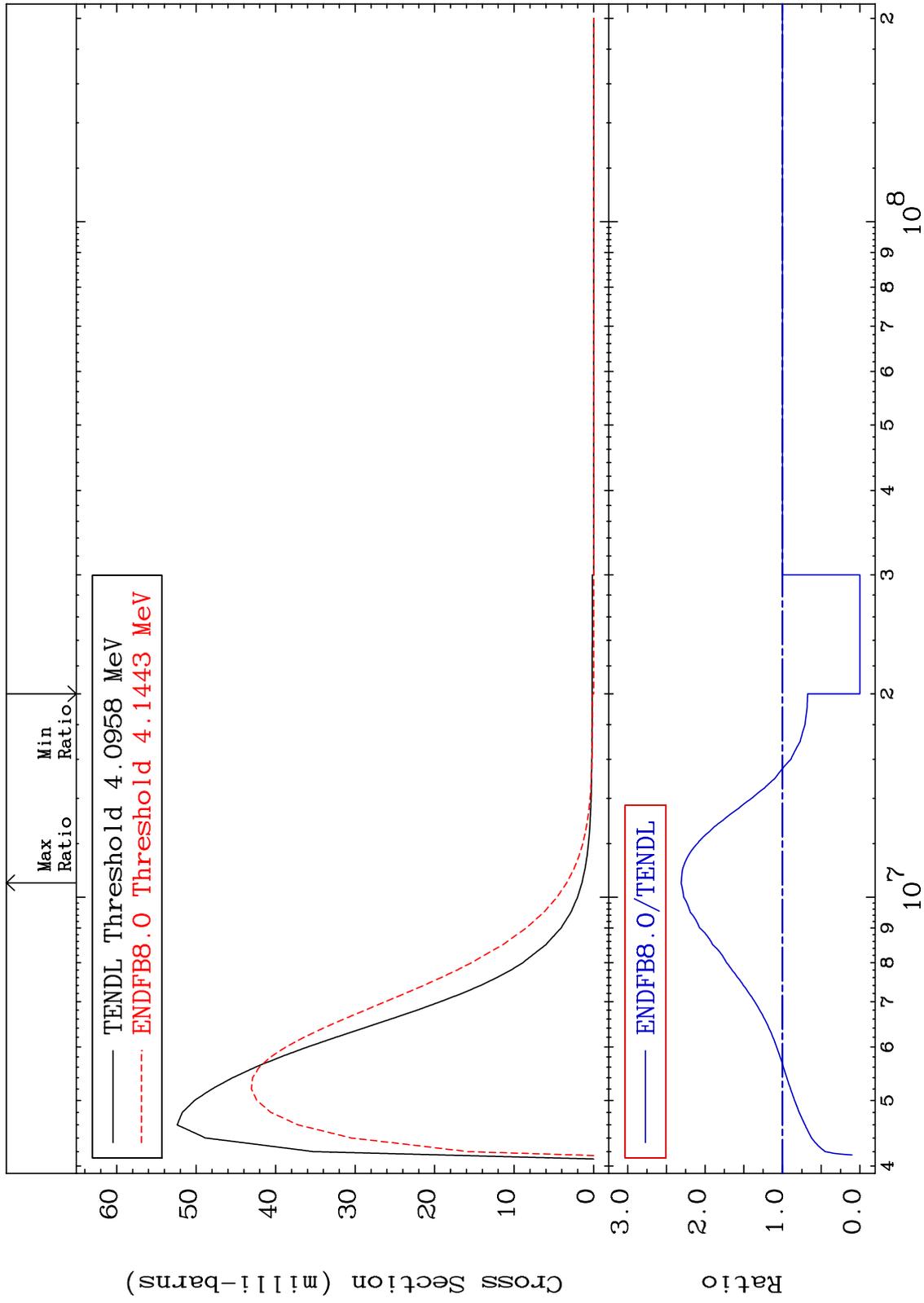
Cross Section



MAT 2031

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

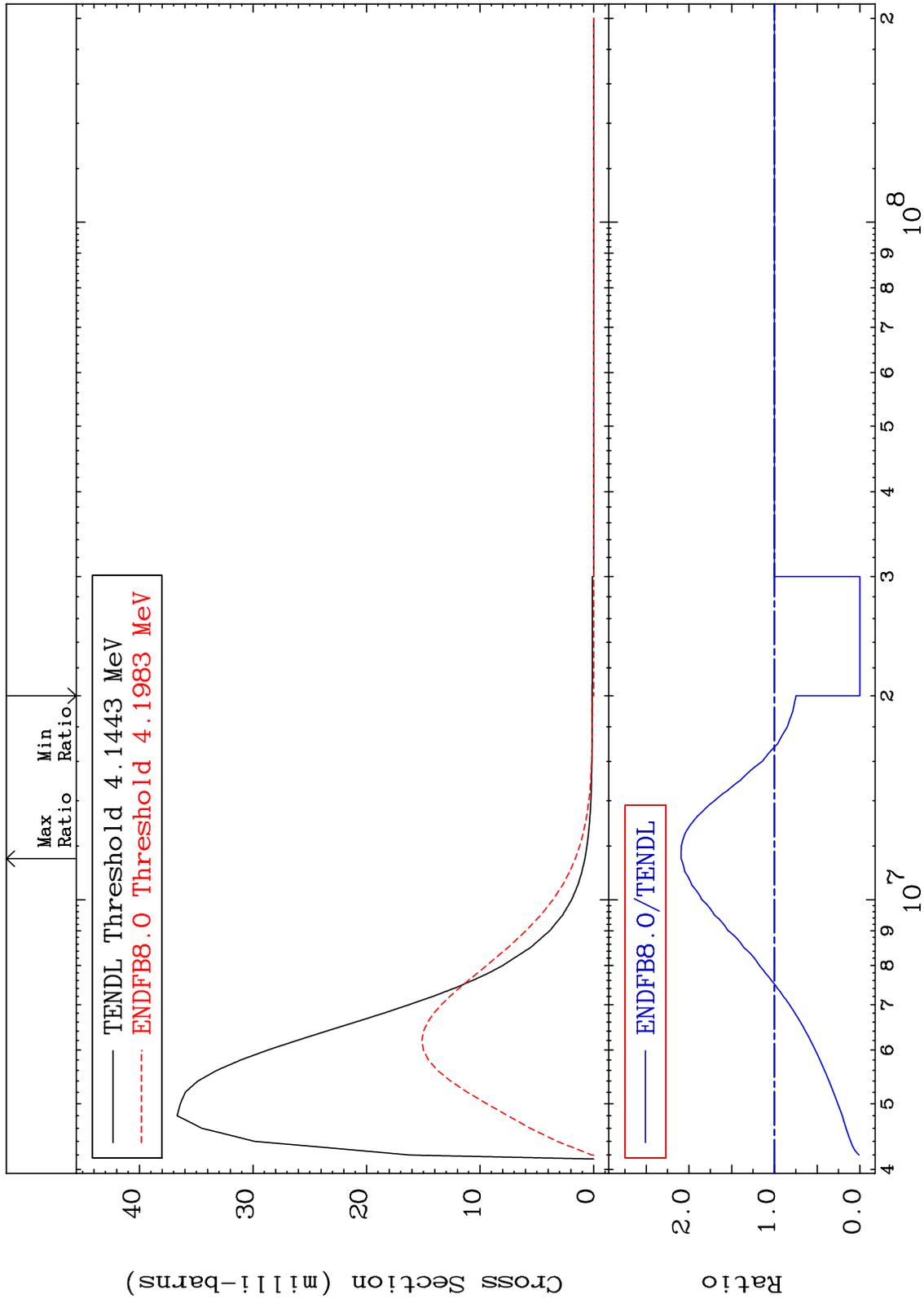
20-Ca-42
-100.0 To 130.9 %



MAT 2031

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

20-Ca-42
-100.0 To 109.2 %



24

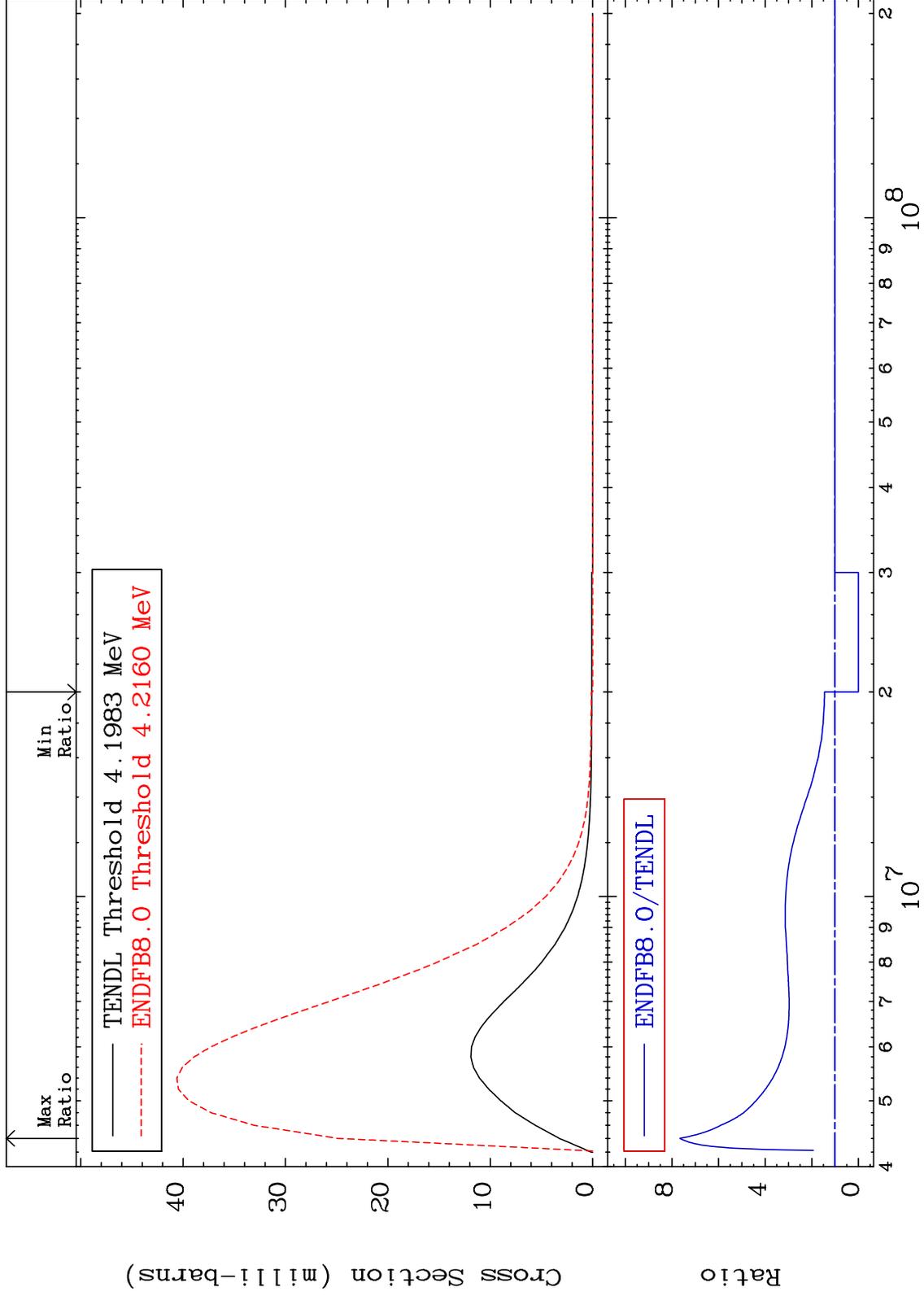
Incident Energy (eV)

20-Ca-42

MAT 2031

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

20-Ca-42
-100.0 To 665.8 %



25

Incident Energy (eV)

20-Ca-42

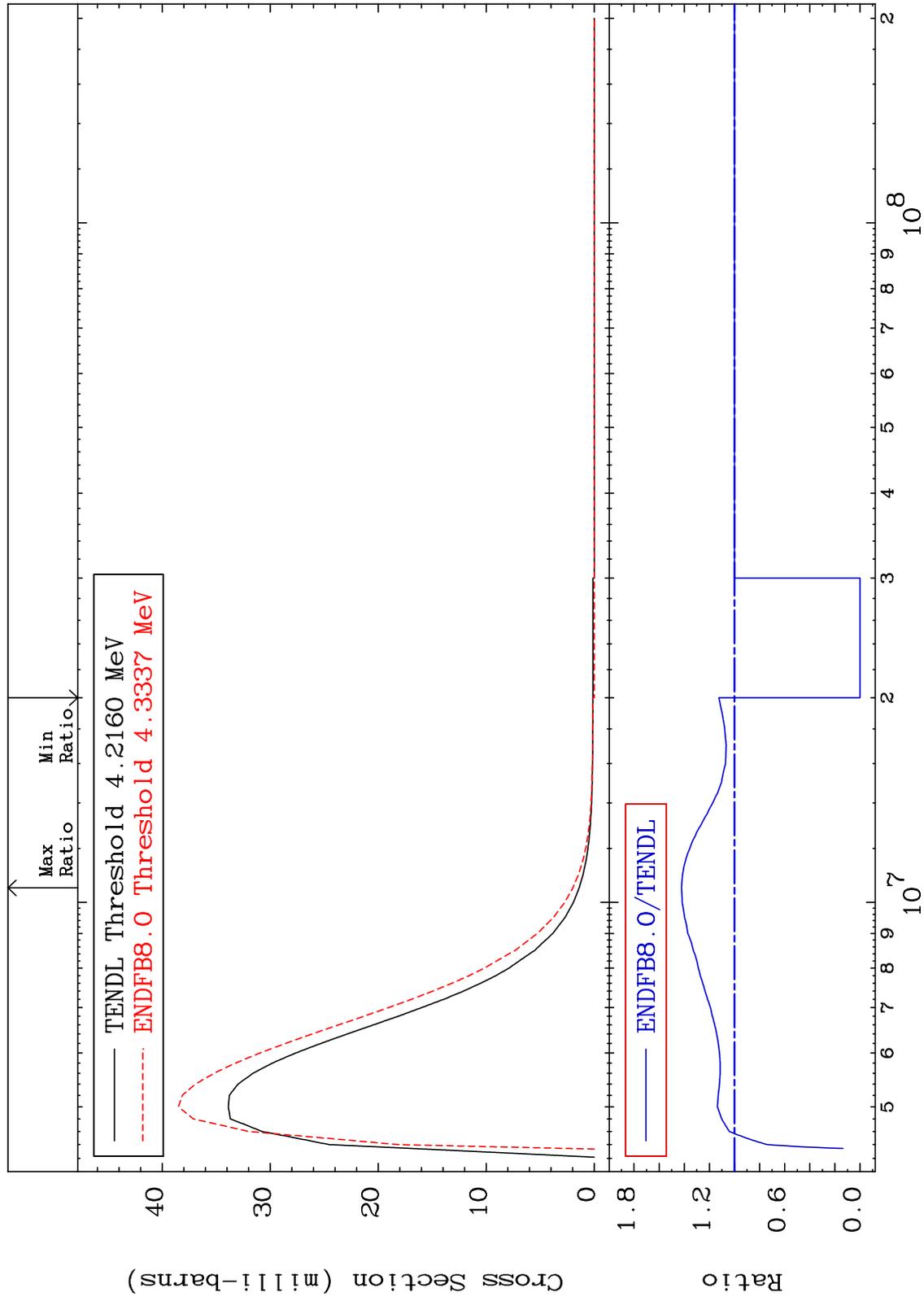
MAT 2031

MT= 67 (n,n') Level

20-Ca-42

-100.0 To 42.14 %

Cross Section



26

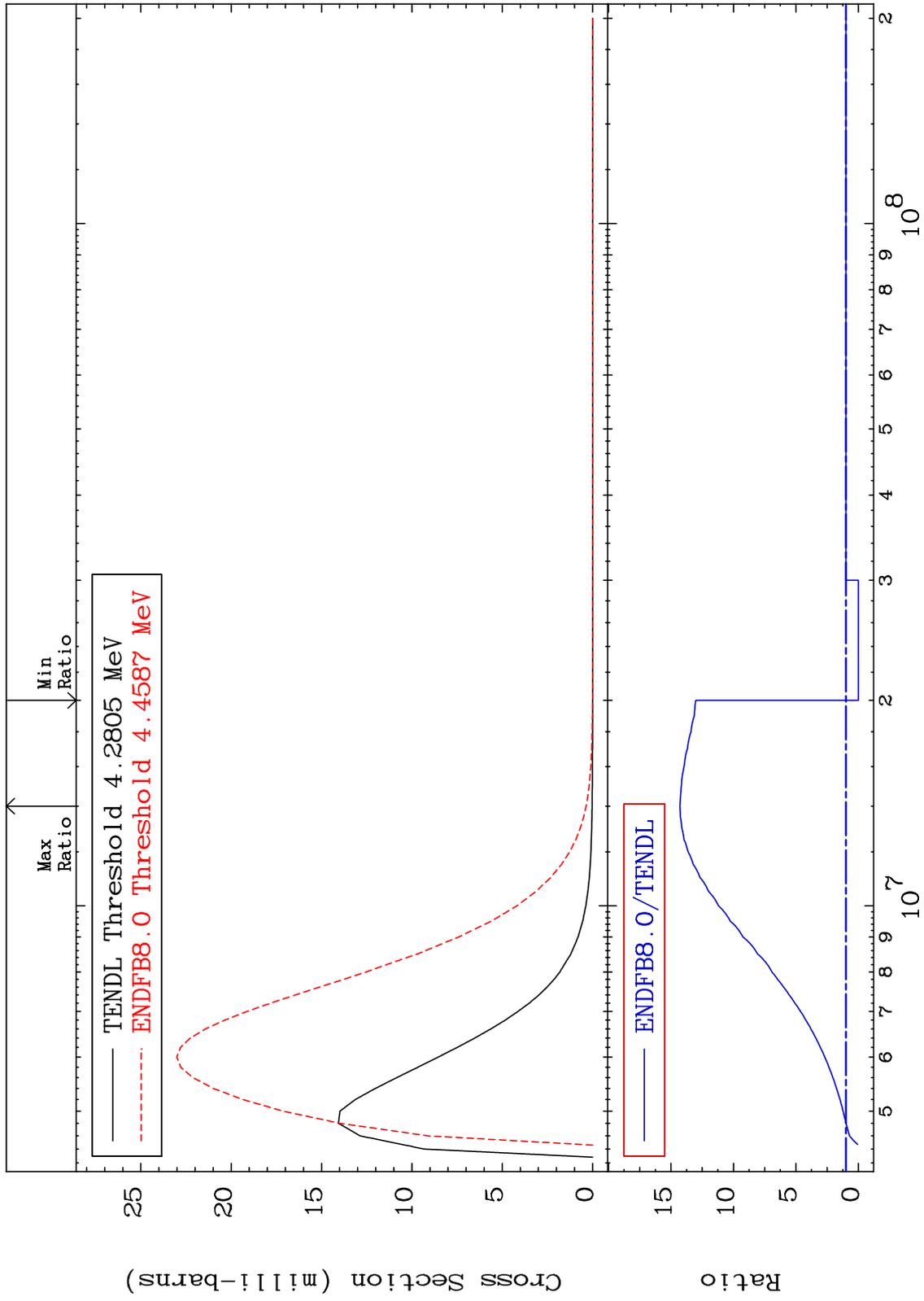
Incident Energy (eV)

20-Ca-42

MAT 2031

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

20-Ca-42
-100.0 To 1328. %



27

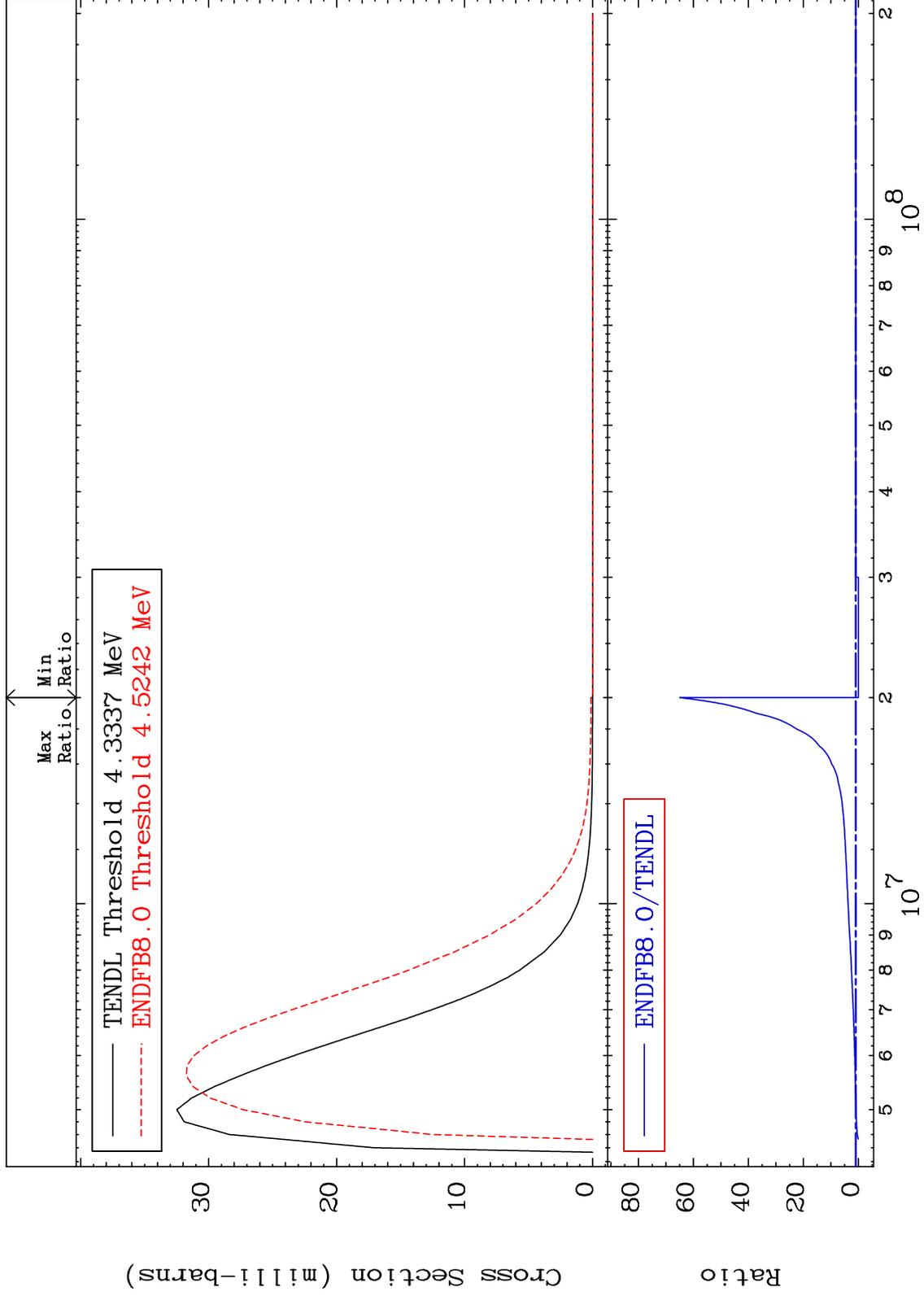
Incident Energy (eV)

20-Ca-42

MAT 2031

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

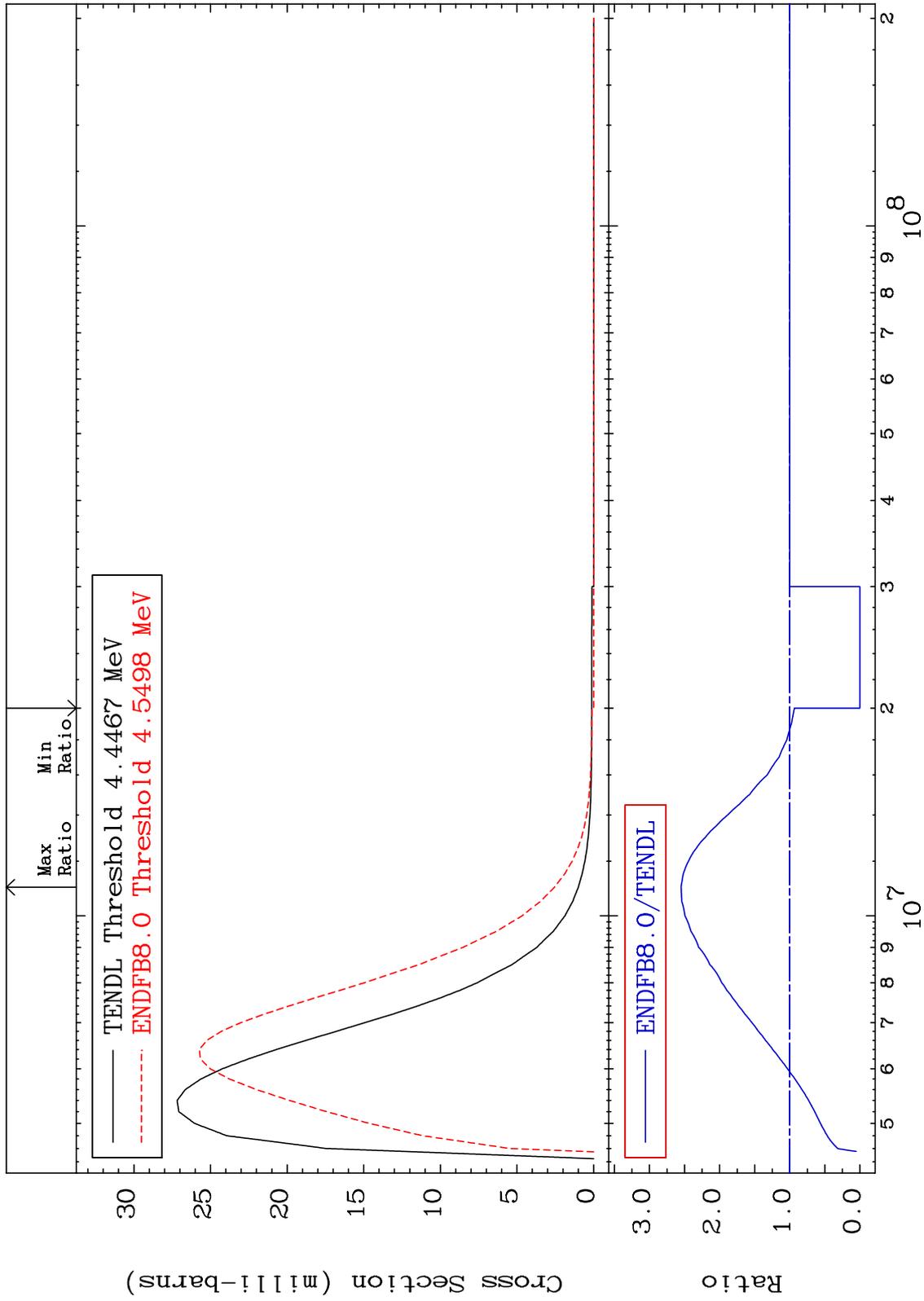
20-Ca-42
-100.0 To 6388. %



MAT 2031

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

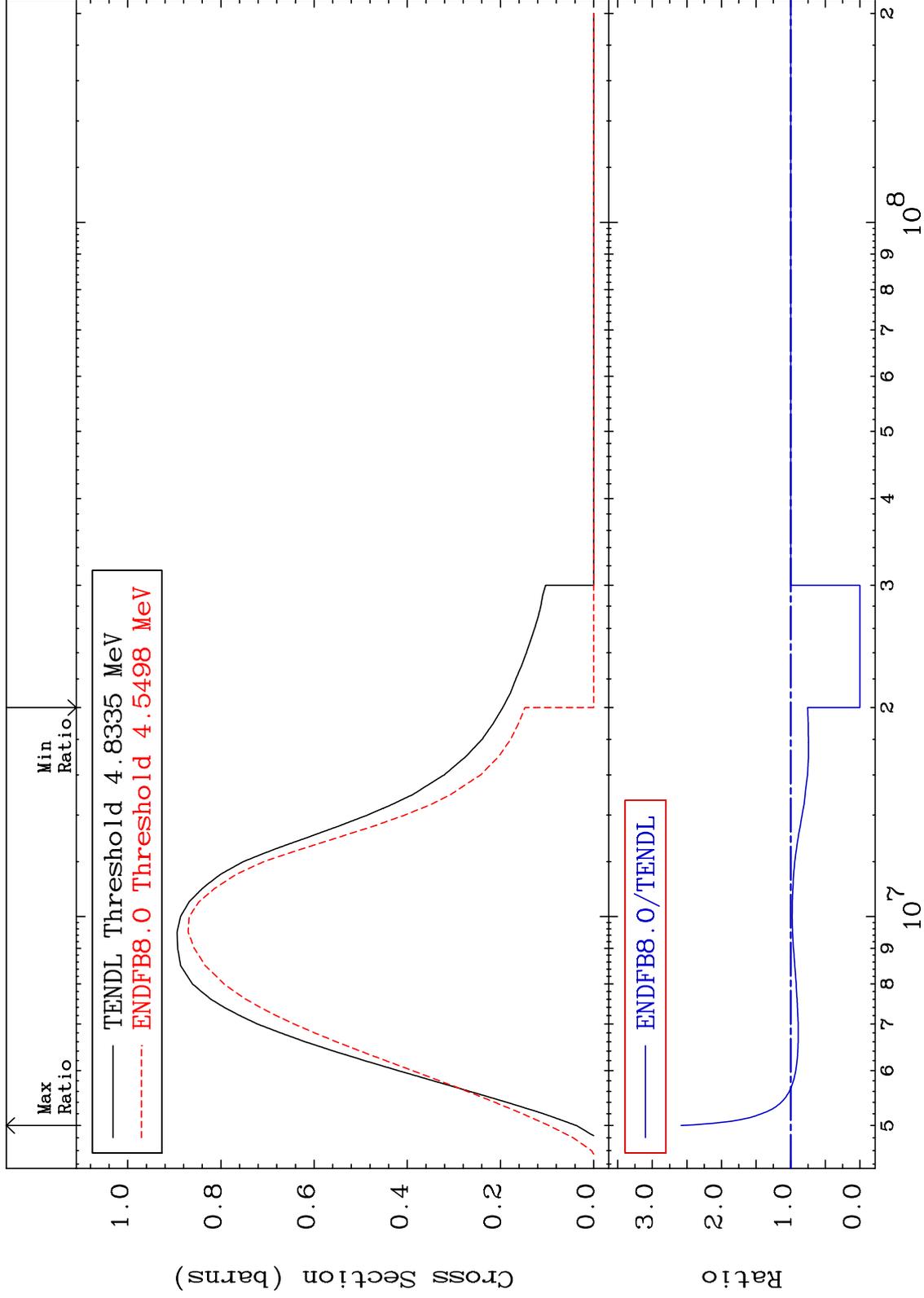
20-Ca-42
-100.0 To 154.9 %



MAT 2031

(n,n') Continuum
Cross Section

20-Ca-42
-100.0 To 158.4 %



30

Incident Energy (eV)

20-Ca-42

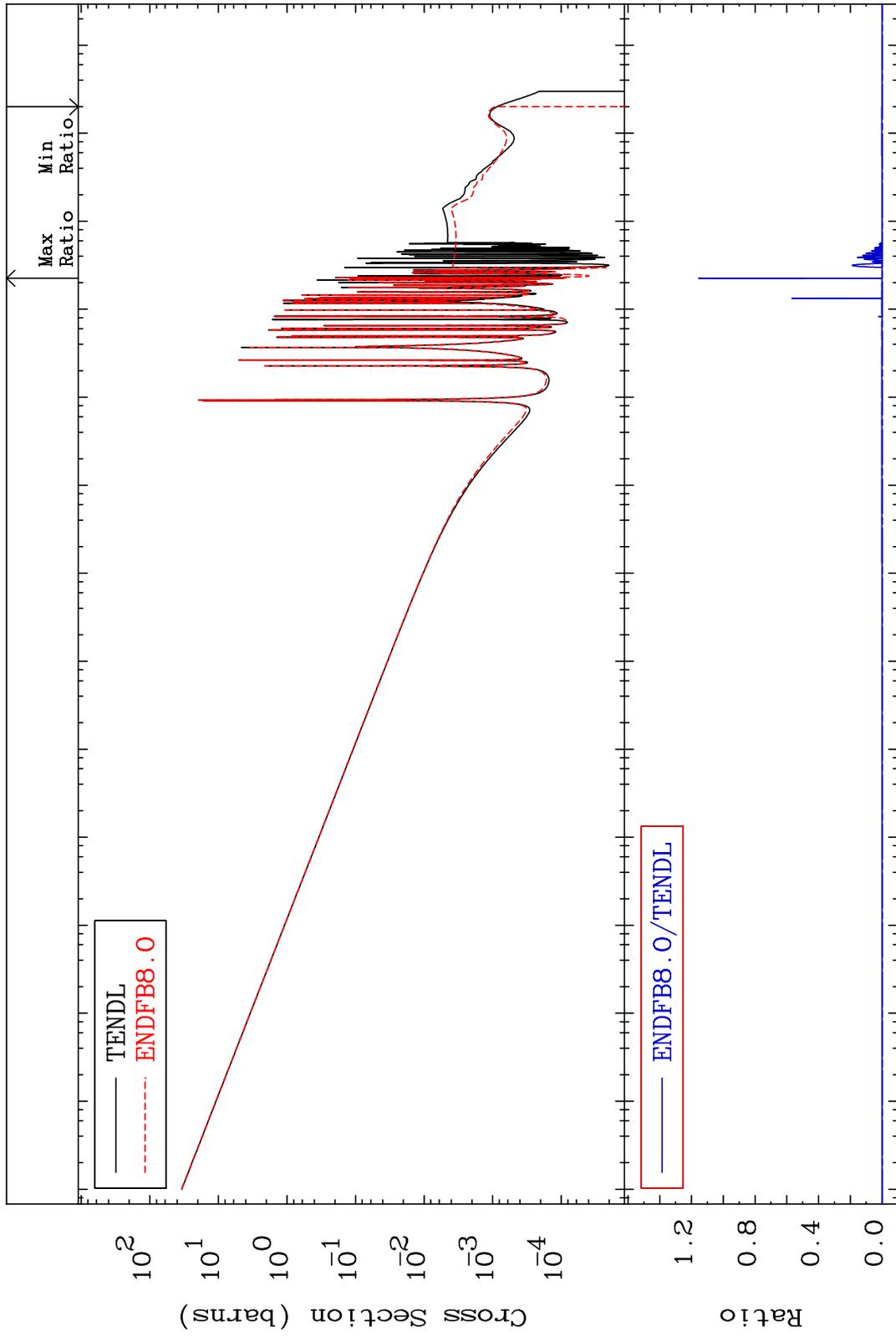
MAT 2031

(n, γ)

20-Ca-42

Cross Section

-100.0 To 9999. %



Incident Energy (eV)

20-Ca-42

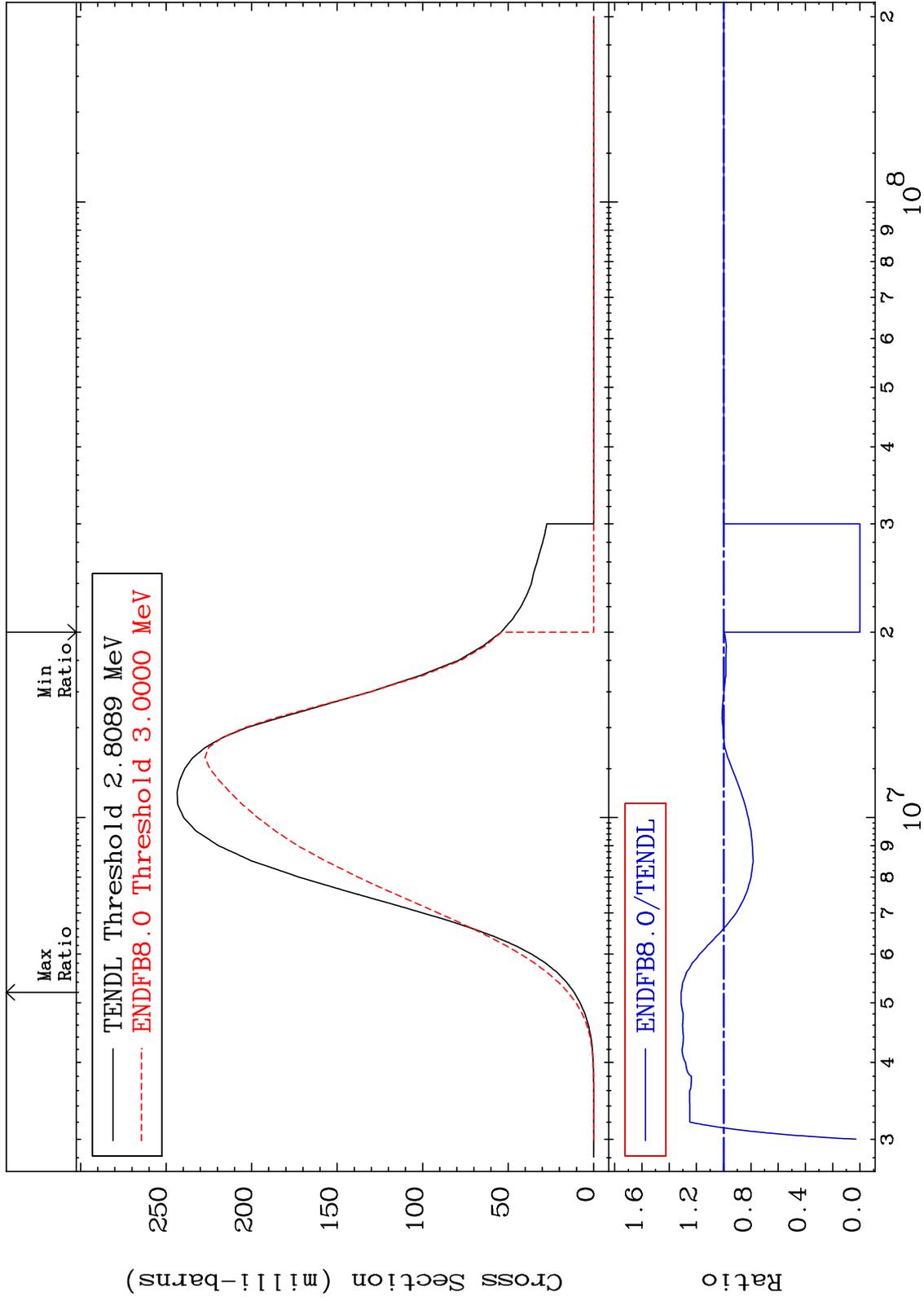
MAT 2031

(n,p)

20-Ca-42

Cross Section

-100.0 To 31.23 %



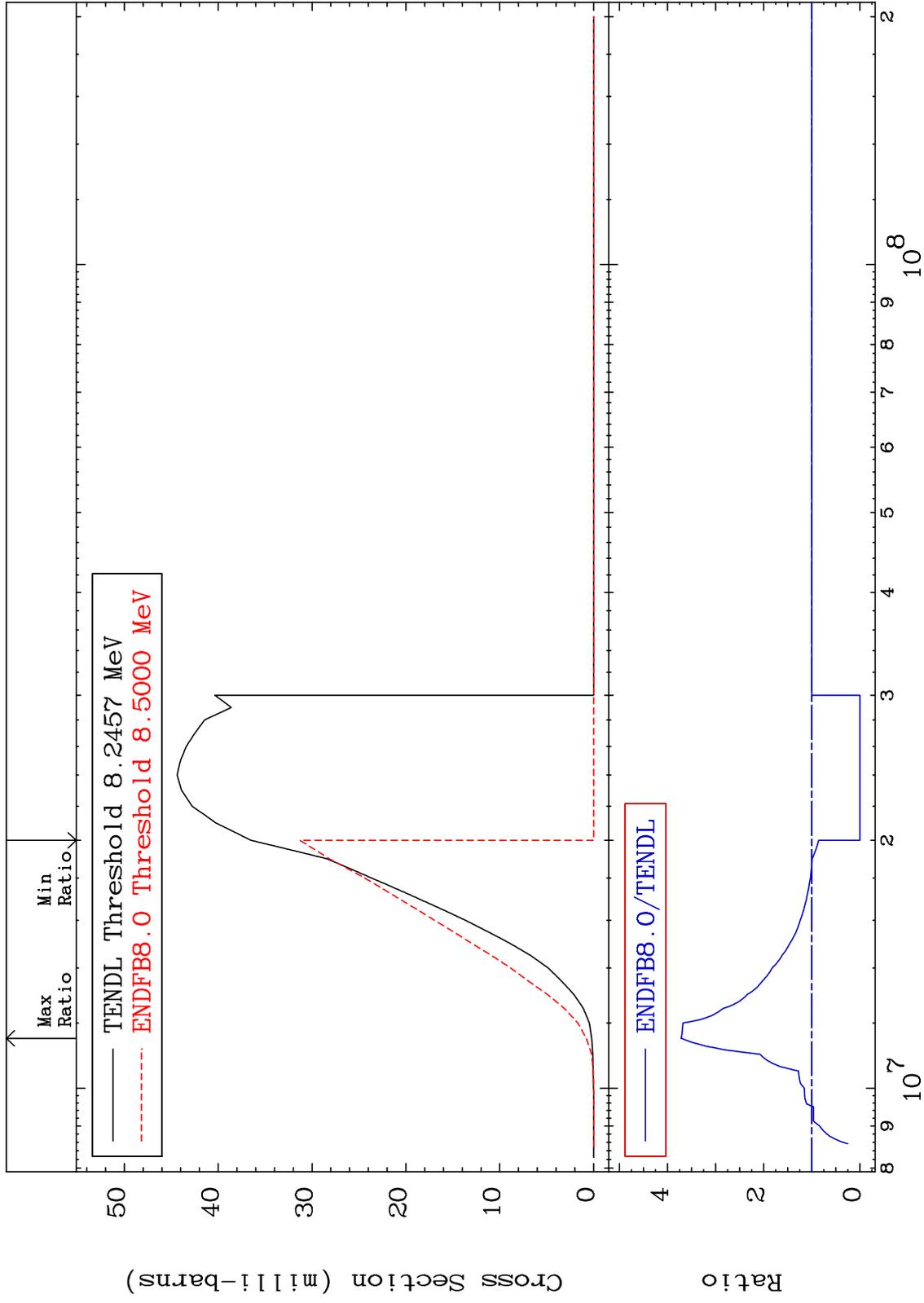
MAT 2031

(n, d)

20-Ca-42

Cross Section

-100.0 To 271.8 %



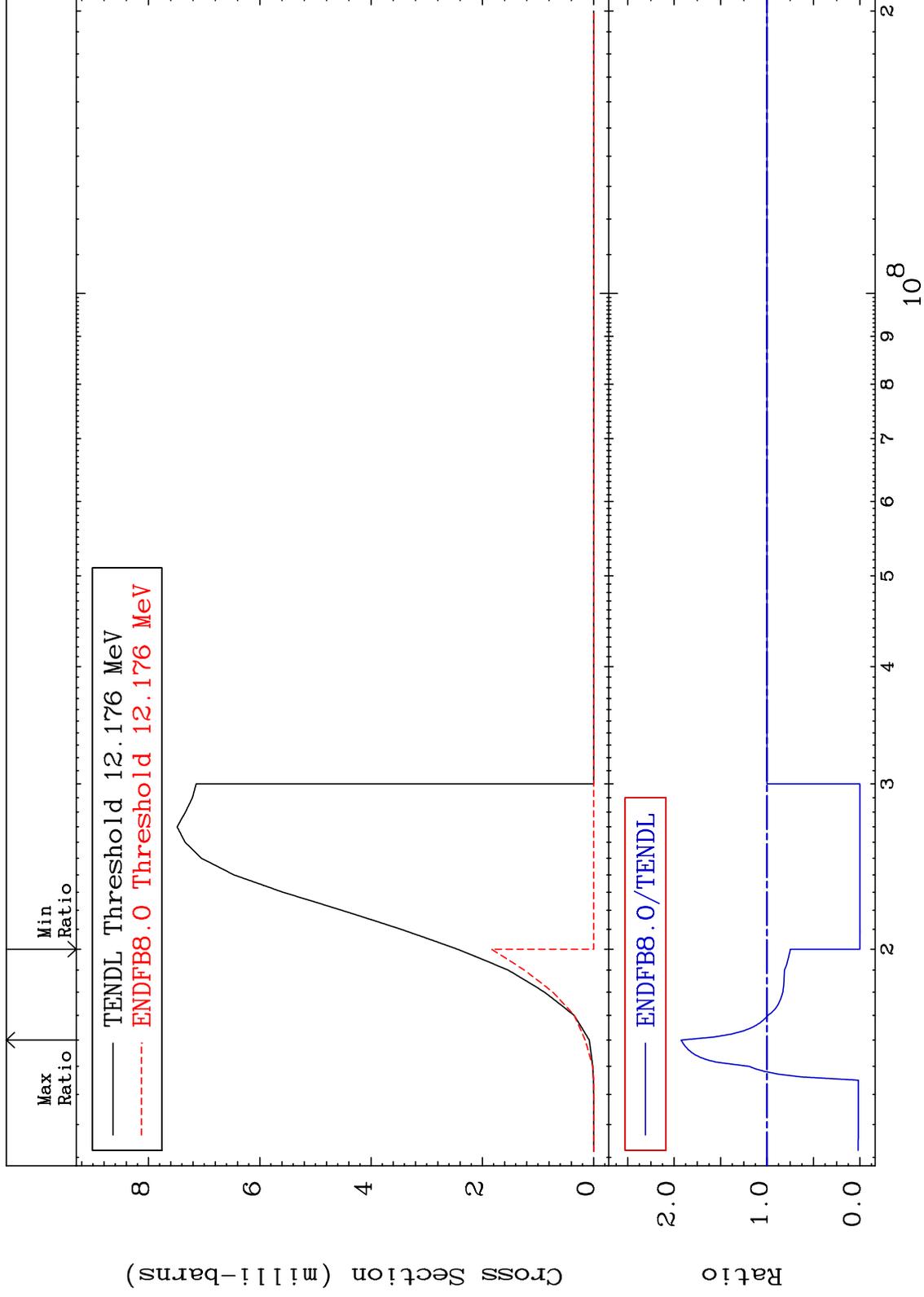
MAT 2031

(n, t)

20-Ca-42

Cross Section

-100.0 To 92.44 %



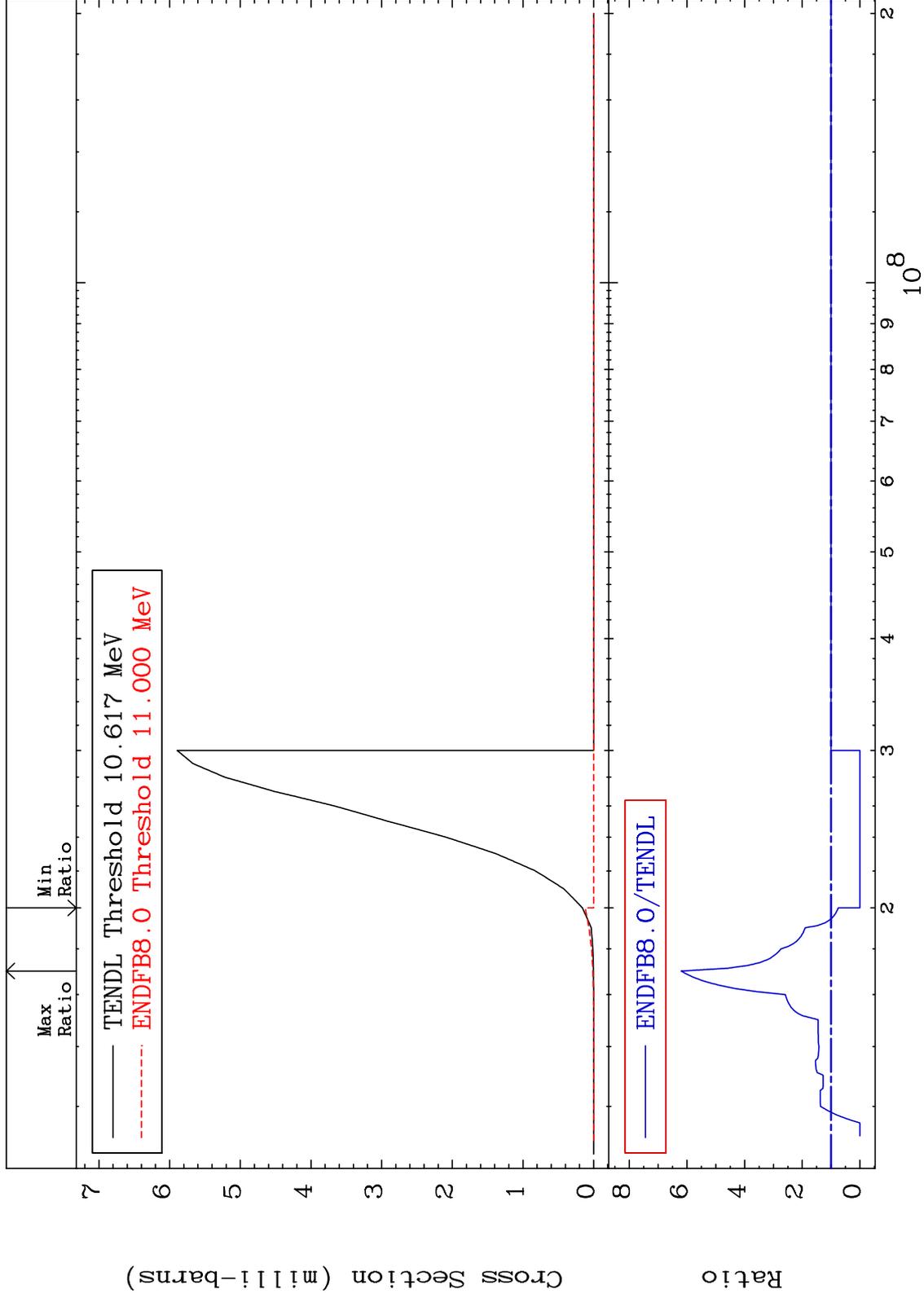
MAT 2031

(n, He-3)

20-Ca-42

Cross Section

-100.0 To 520.3 %



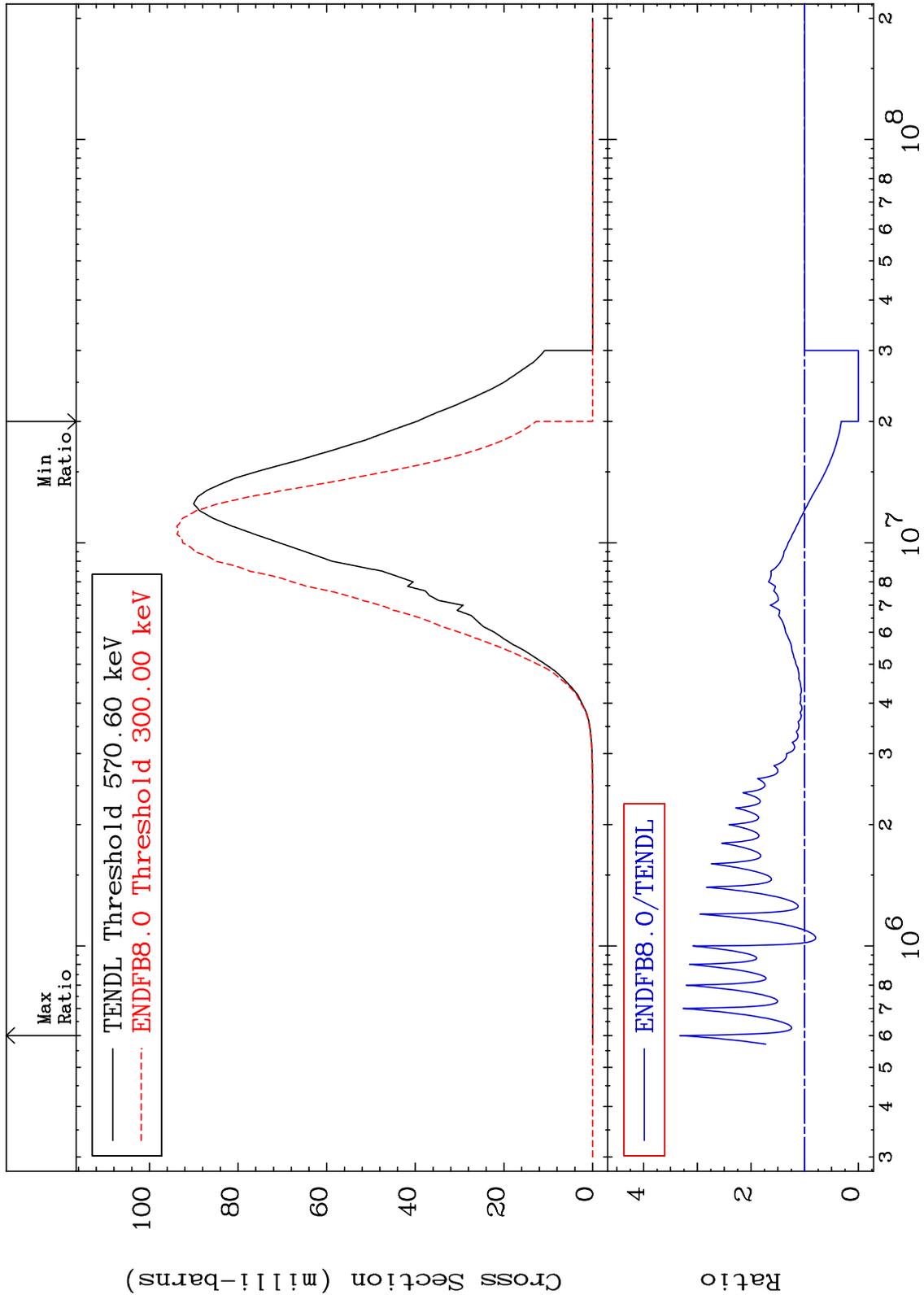
MAT 2031

(n, α)

20-Ca-42

Cross Section

-100.0 To 232.5 %



36

Incident Energy (eV)

20-Ca-42

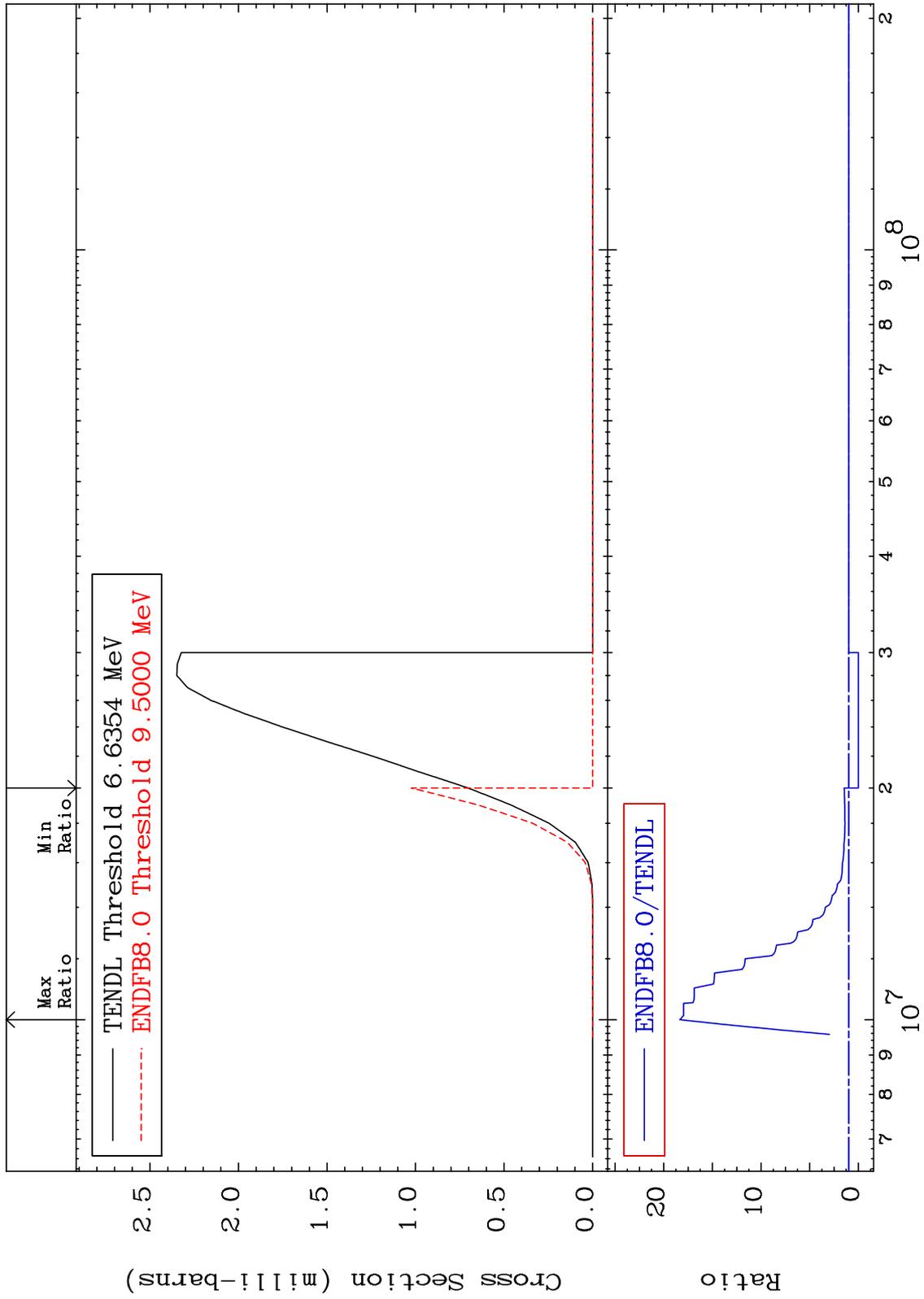
MAT 2031

(n, 2α)

20-Ca-42

Cross Section

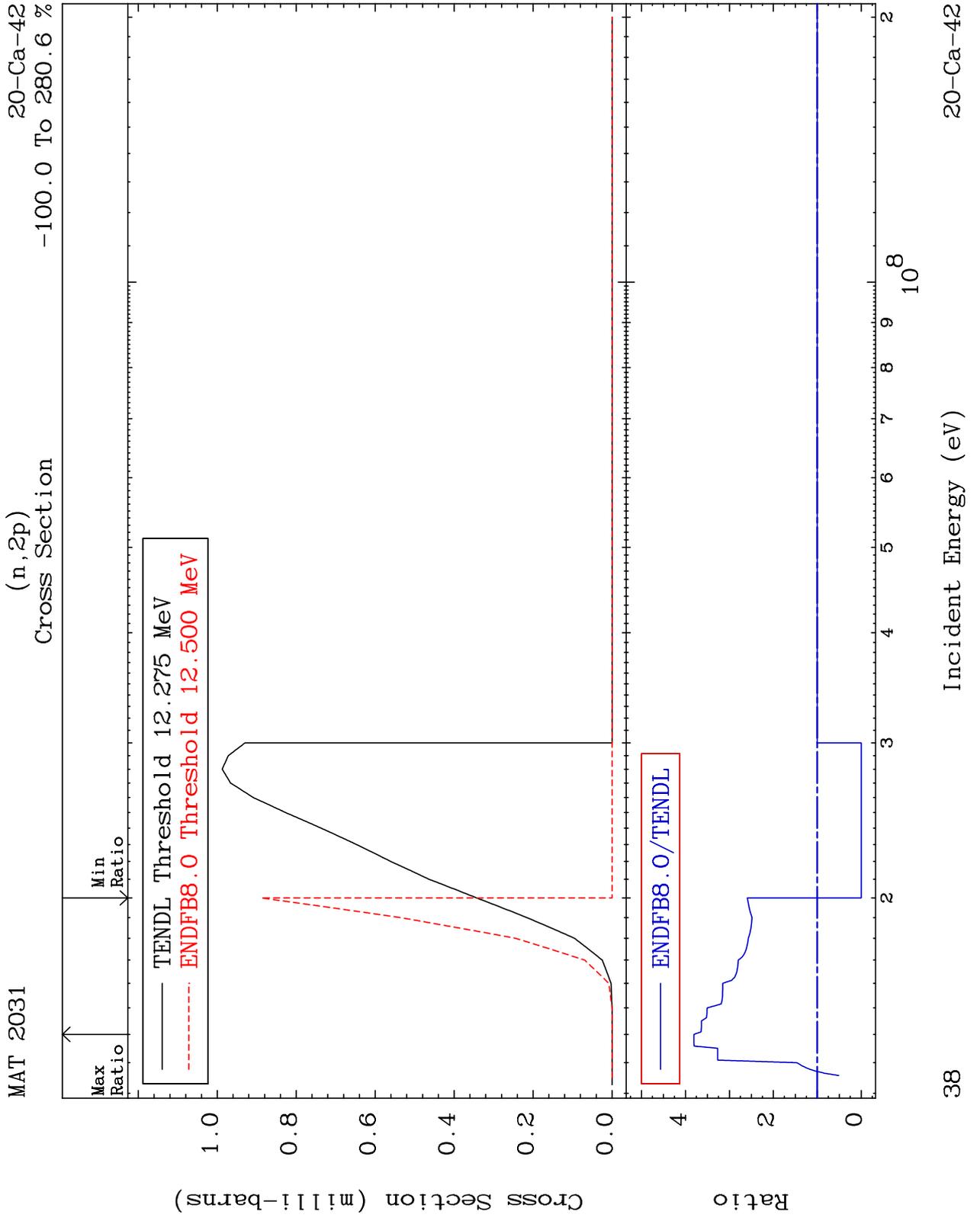
-100.0 To 1734. %



37

Incident Energy (eV)

20-Ca-42



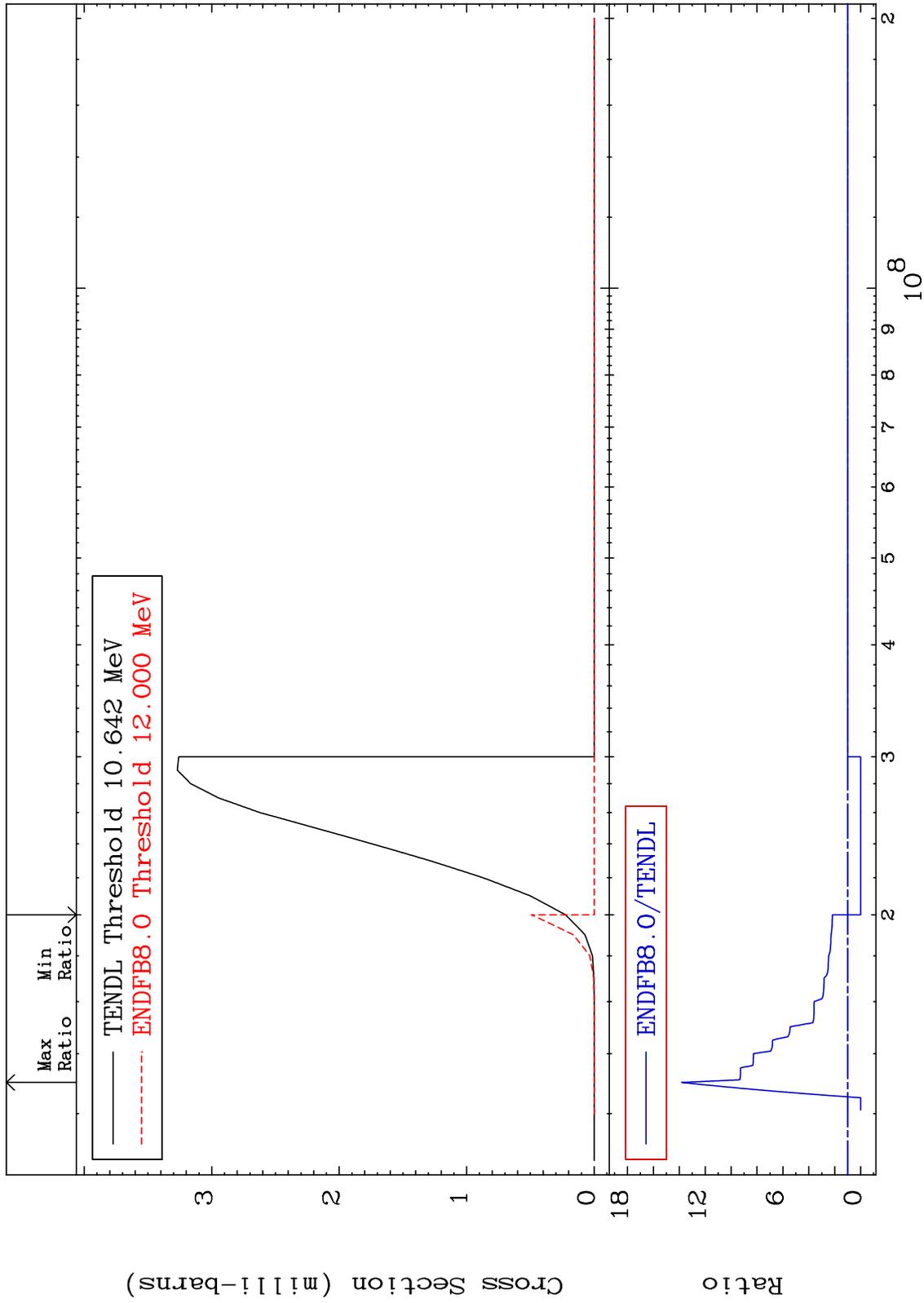
MAT 2031

(n,p) α

20-Ca-42

Cross Section

-100.0 To 1281. %



39

Incident Energy (eV)

20-Ca-42

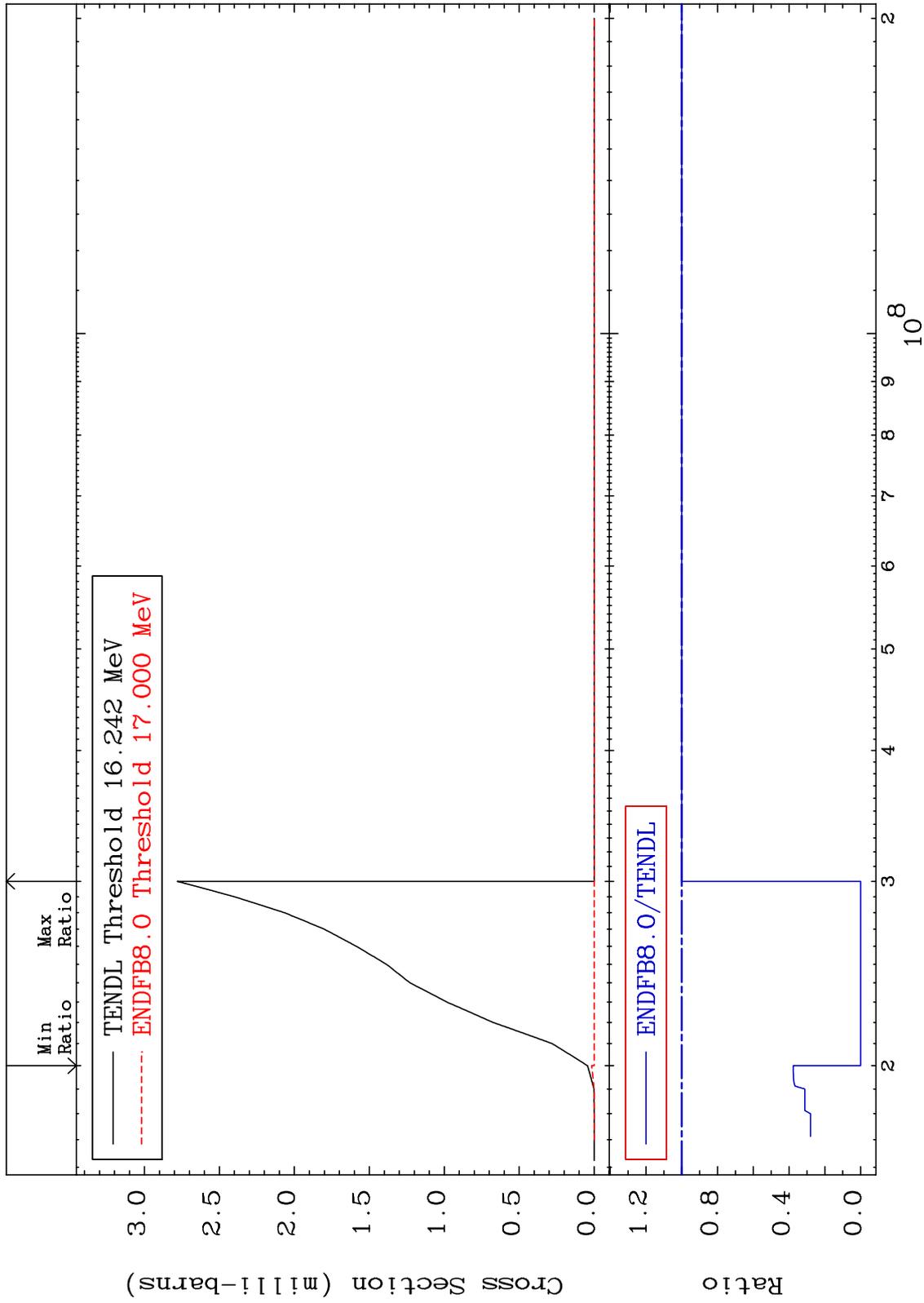
MAT 2031

(n,p) d

20-Ca-42

Cross Section

-100.0 To 0.000 %



40

Incident Energy (eV)

20-Ca-42

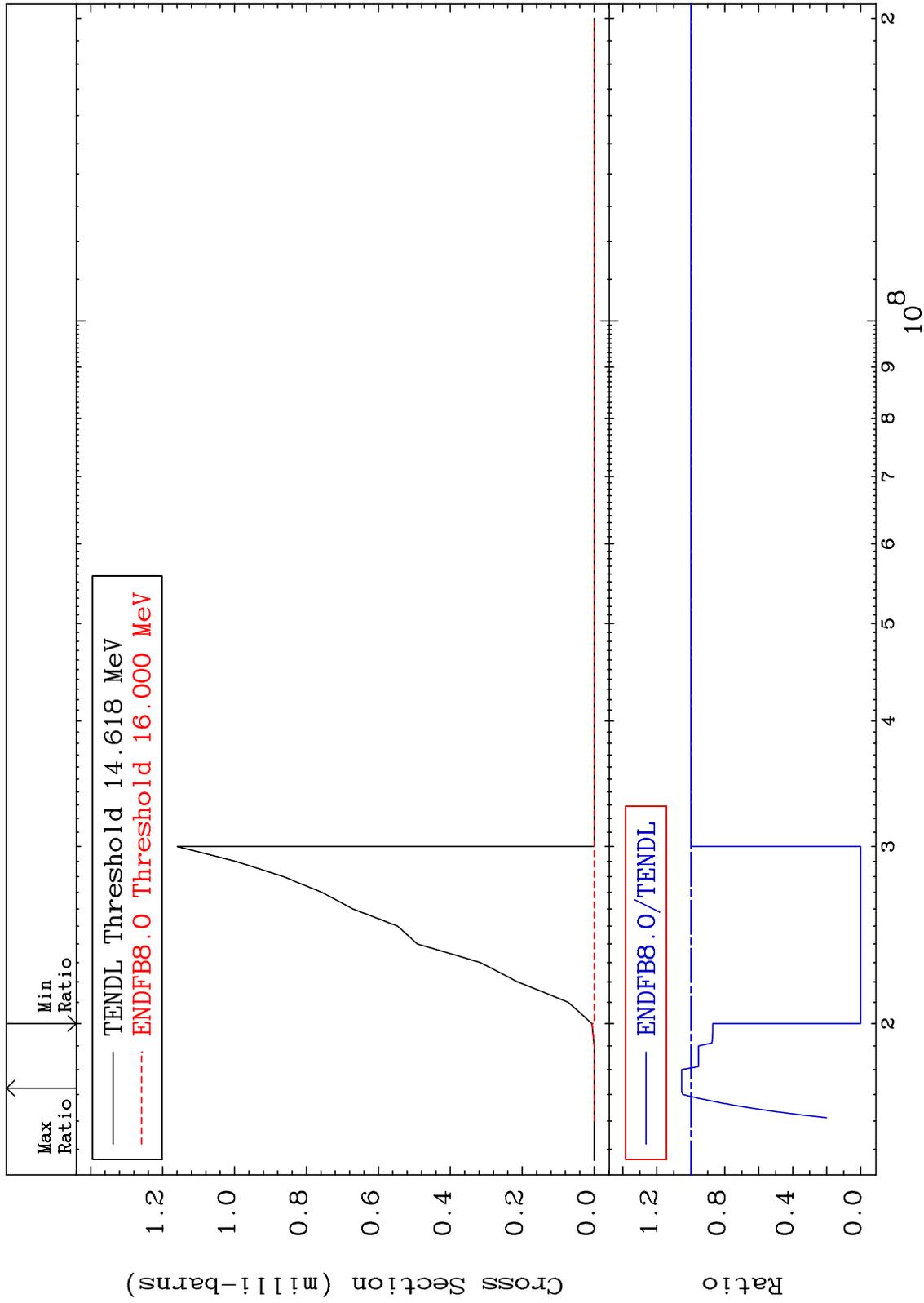
MAT 2031

(n,d) α

20-Ca-42

Cross Section

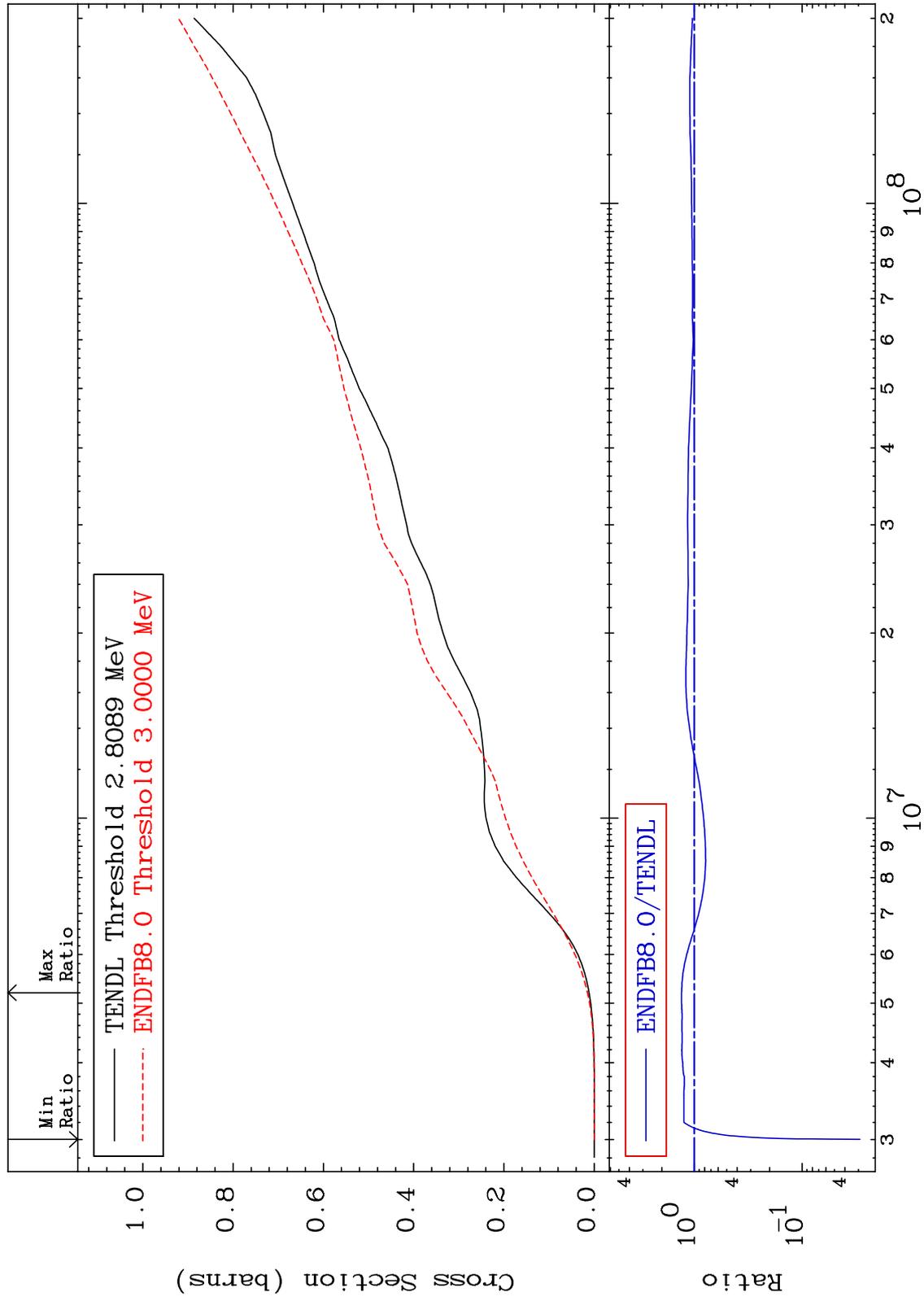
-100.0 To 5.332 %



MAT 2031

Hydrogen Production
Cross Section

20-Ca-42
-97.10 To 31.23 %



42

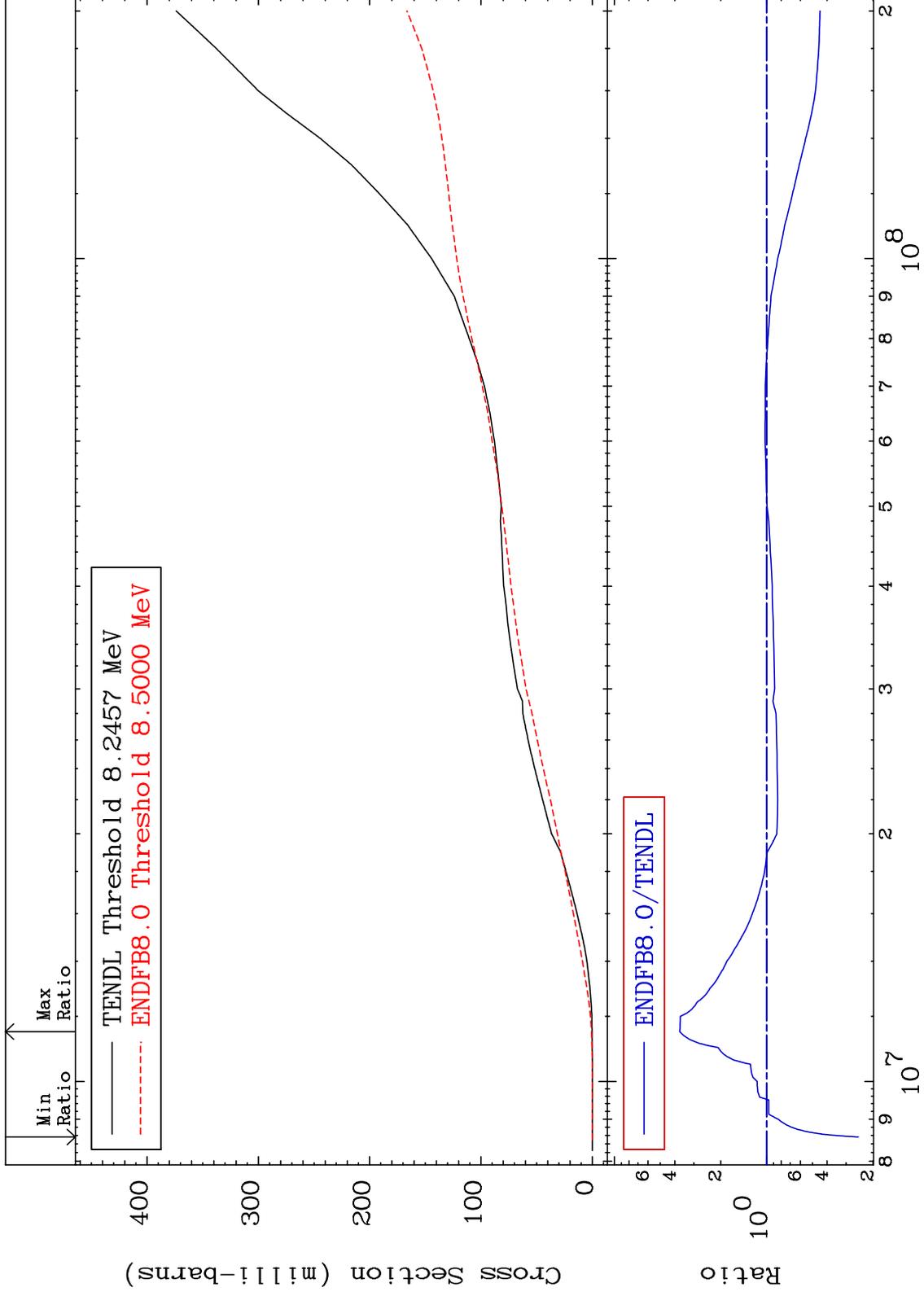
Incident Energy (eV)

20-Ca-42

MAT 2031

Deuterium Production
Cross Section

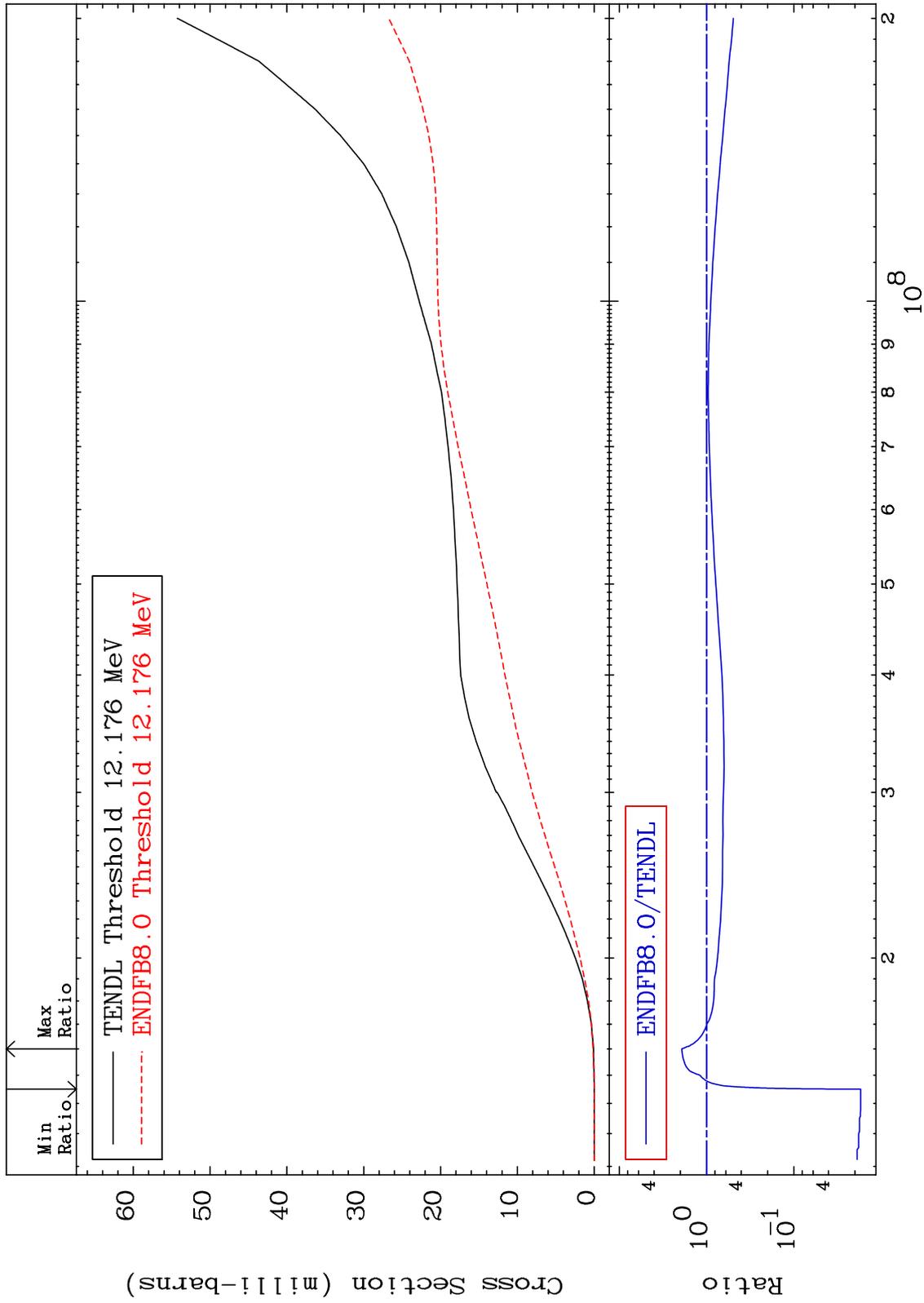
20-Ca-42
-75.06 To 271.8 %



MAT 2031

Tritium Production
Cross Section

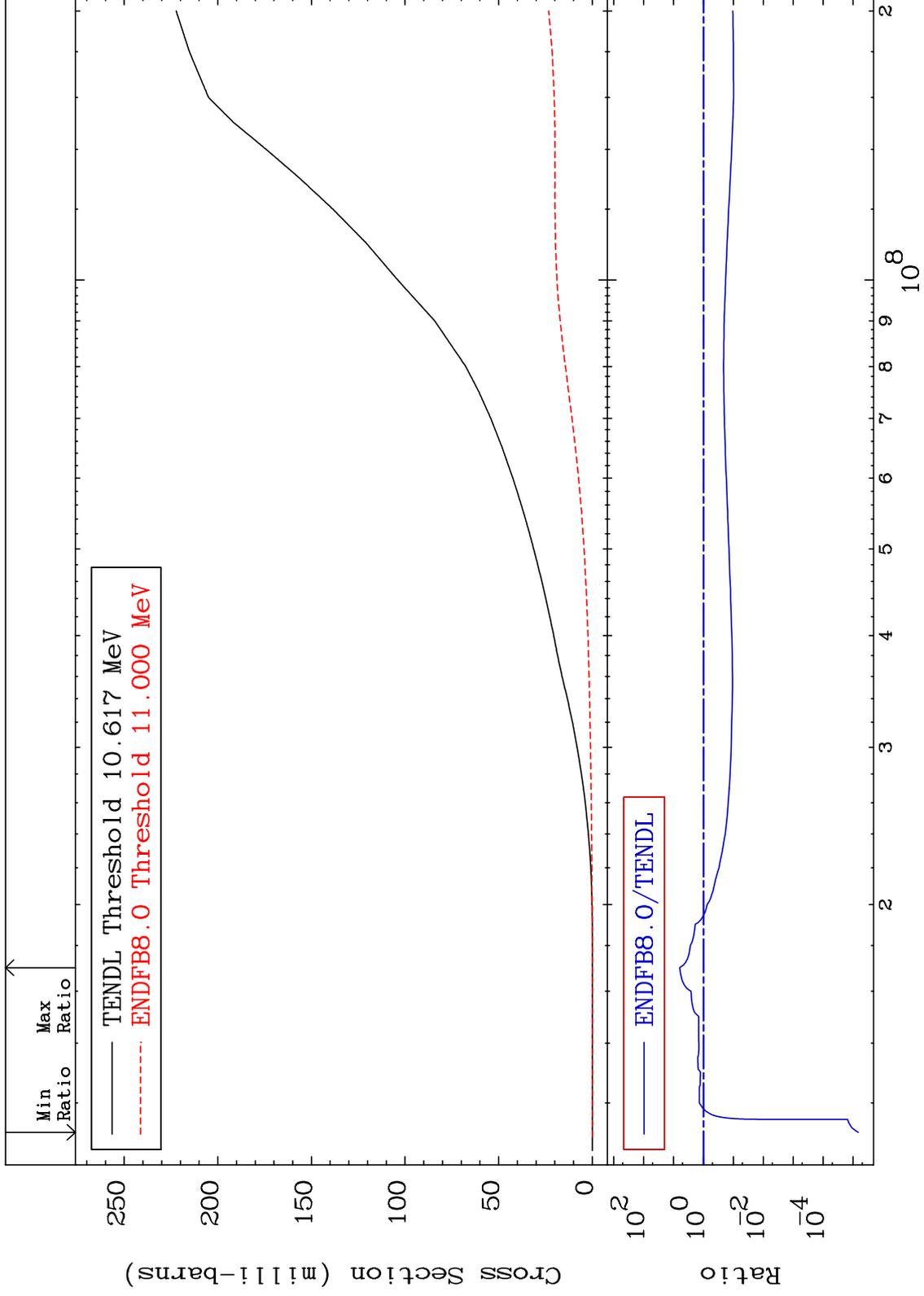
20-Ca-42
-98.29 To 92.44 %



MAT 2031

He-3 Production
Cross Section

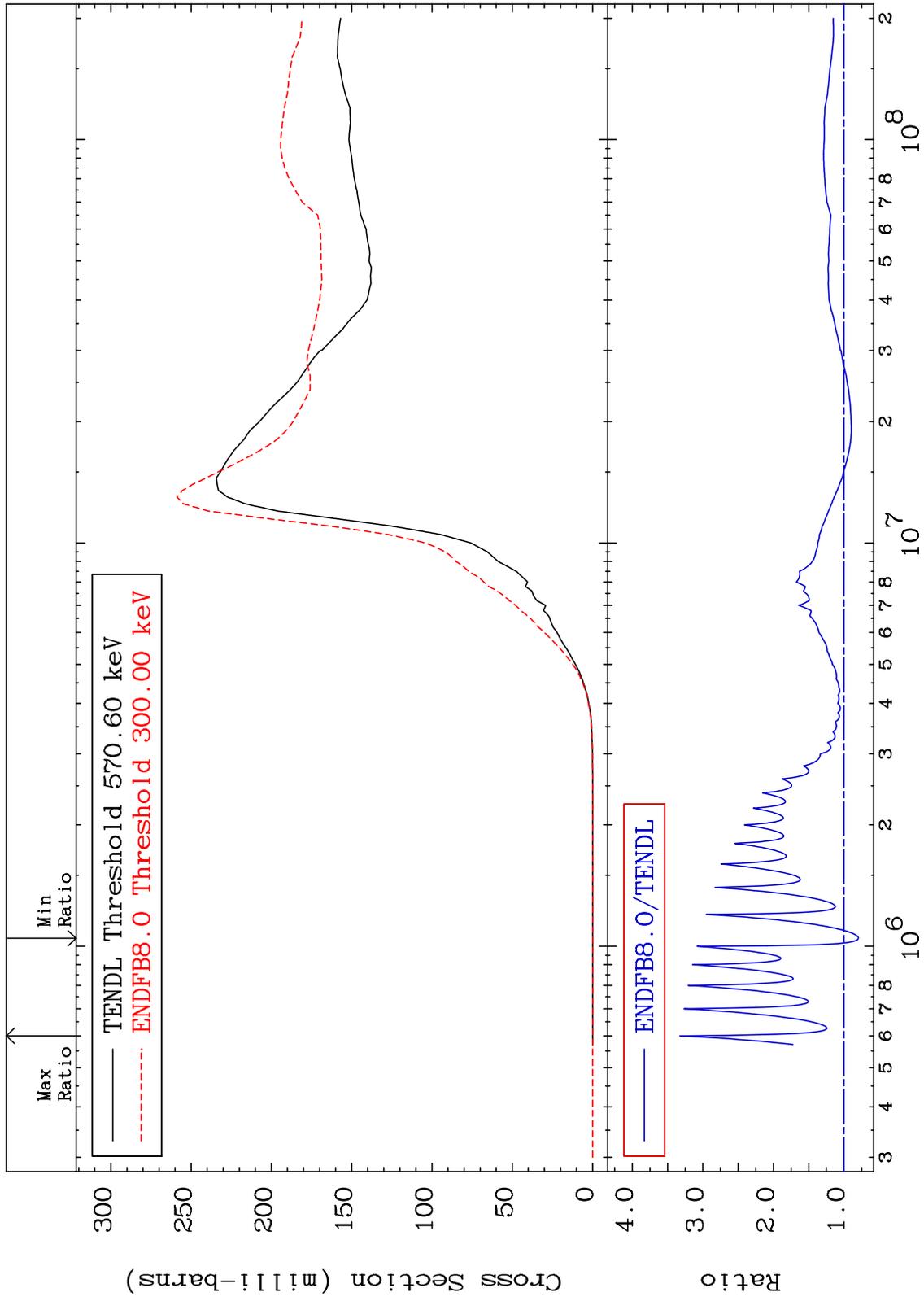
20-Ca-42
-100.0 To 520.3 %



MAT 2031

He-4 Production
Cross Section

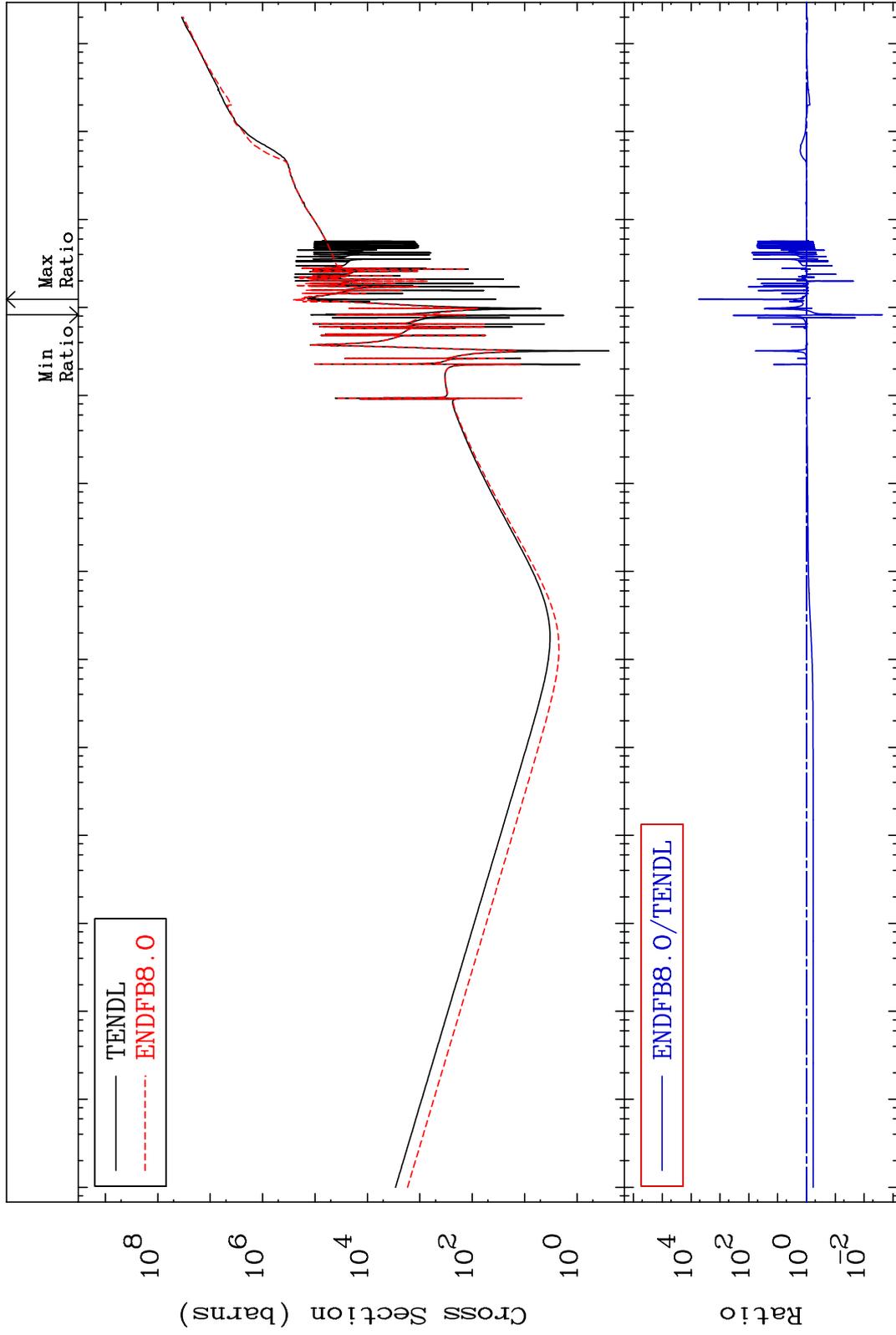
20-Ca-42
-20.39 To 232.5 %



MAT 2031

Kerma total (eV-barns)
Cross Section

20-Ca-42
-99.76 To 9999. %



47

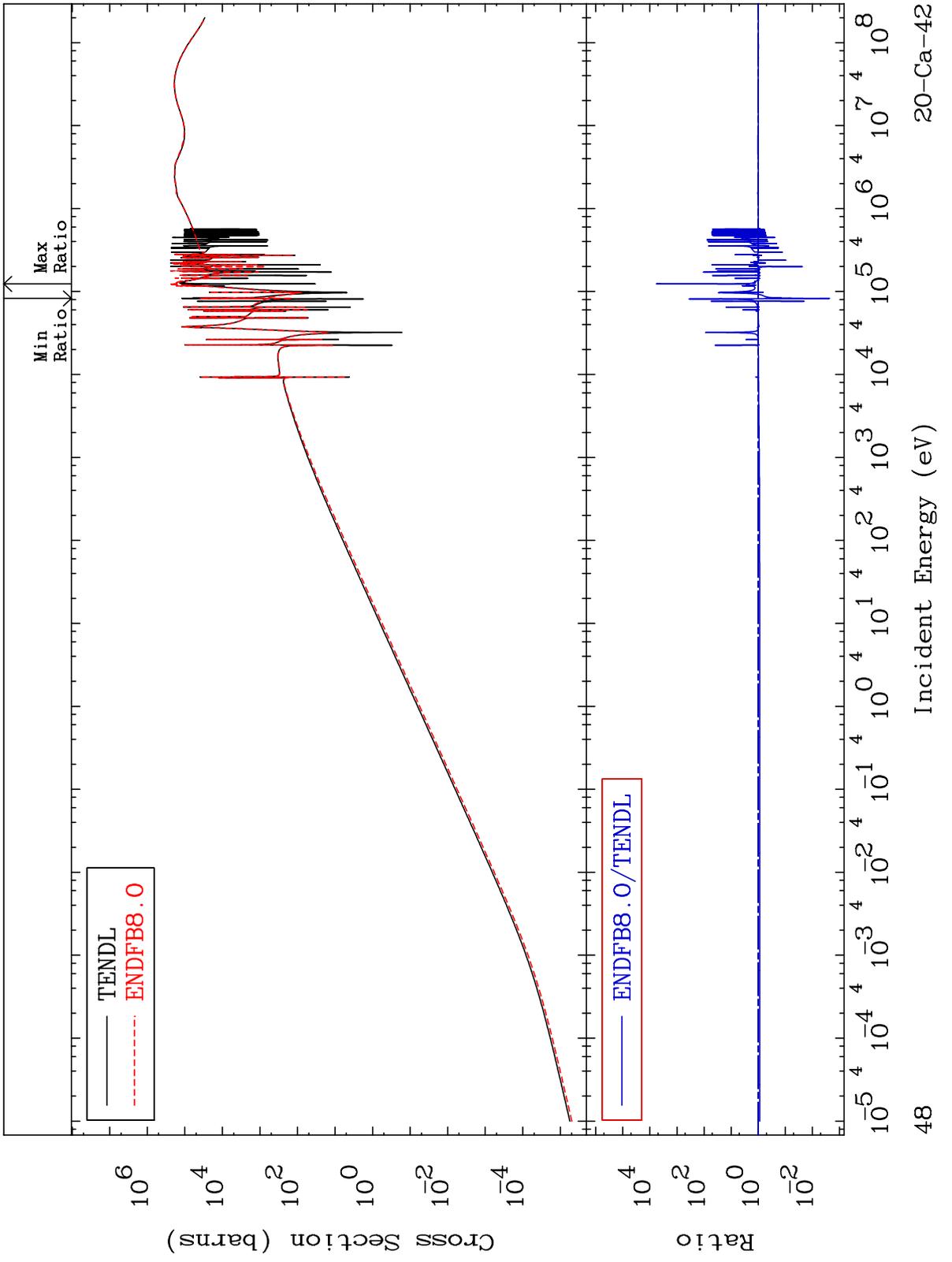
Incident Energy (eV)

20-Ca-42

MAT 2031

Kerma elastic
Cross Section

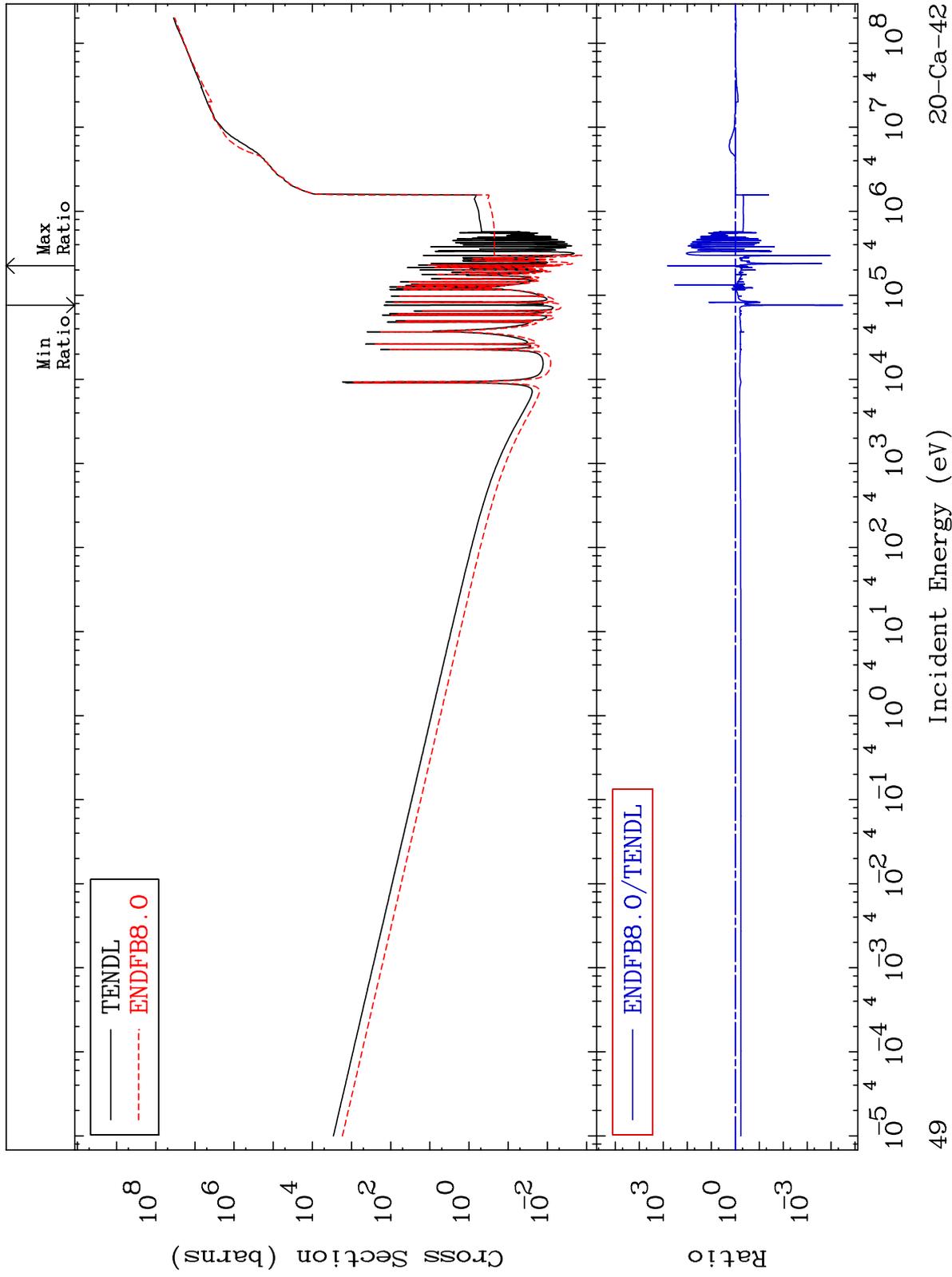
20-Ca-42
-99.76 To 9999. %



MAT 2031

Kerma non-elastic (all but mt2)
Cross Section

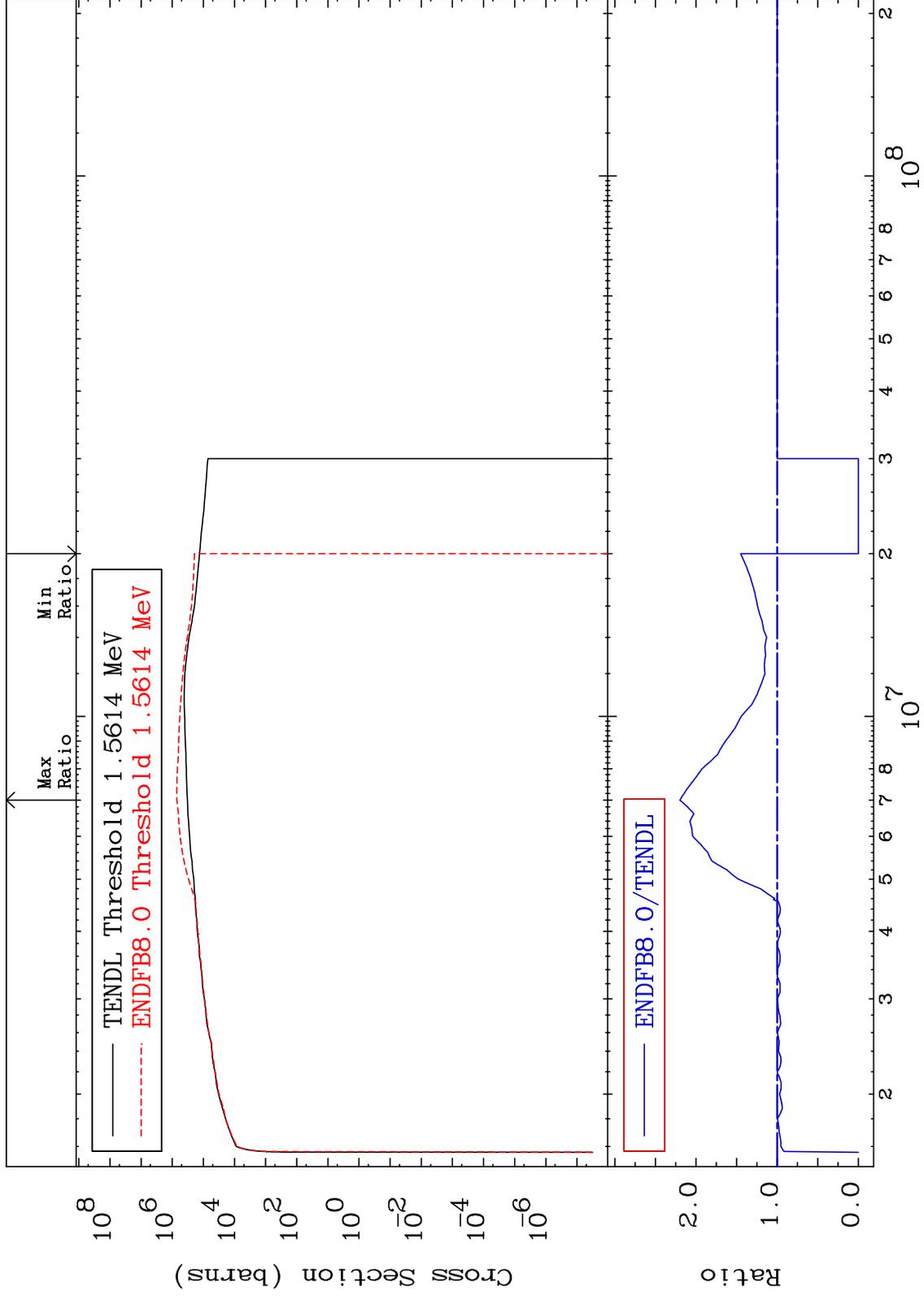
20-Ca-42
-100.0 To 9999. %



MAT 2031

Kerma inelastic (mt51-91)
Cross Section

20-Ca-42
-100.0 To 119.9 %



50

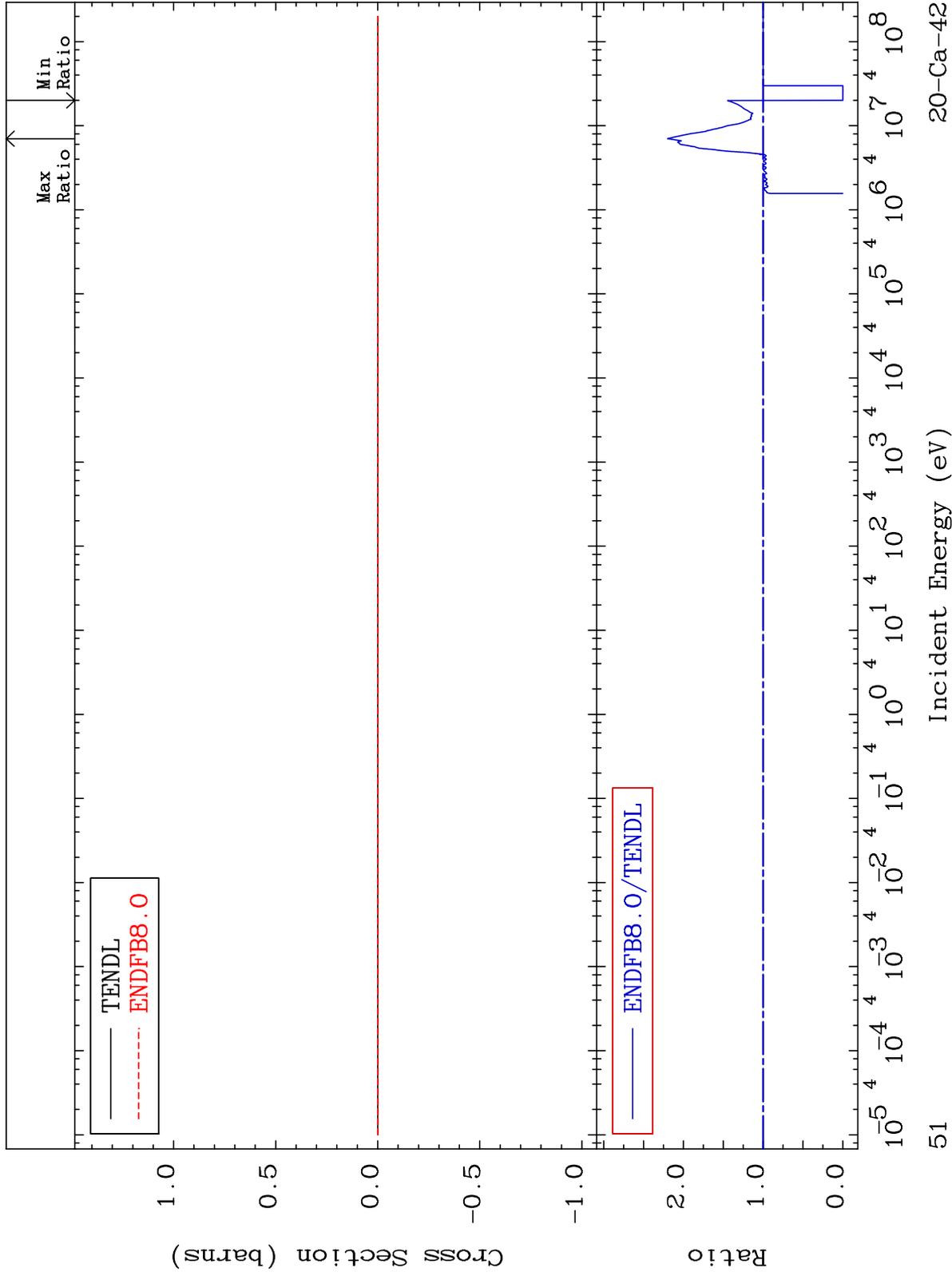
Incident Energy (eV)

20-Ca-42

MAT 2031

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

20-Ca-42
-100.0 To 119.9 %



51

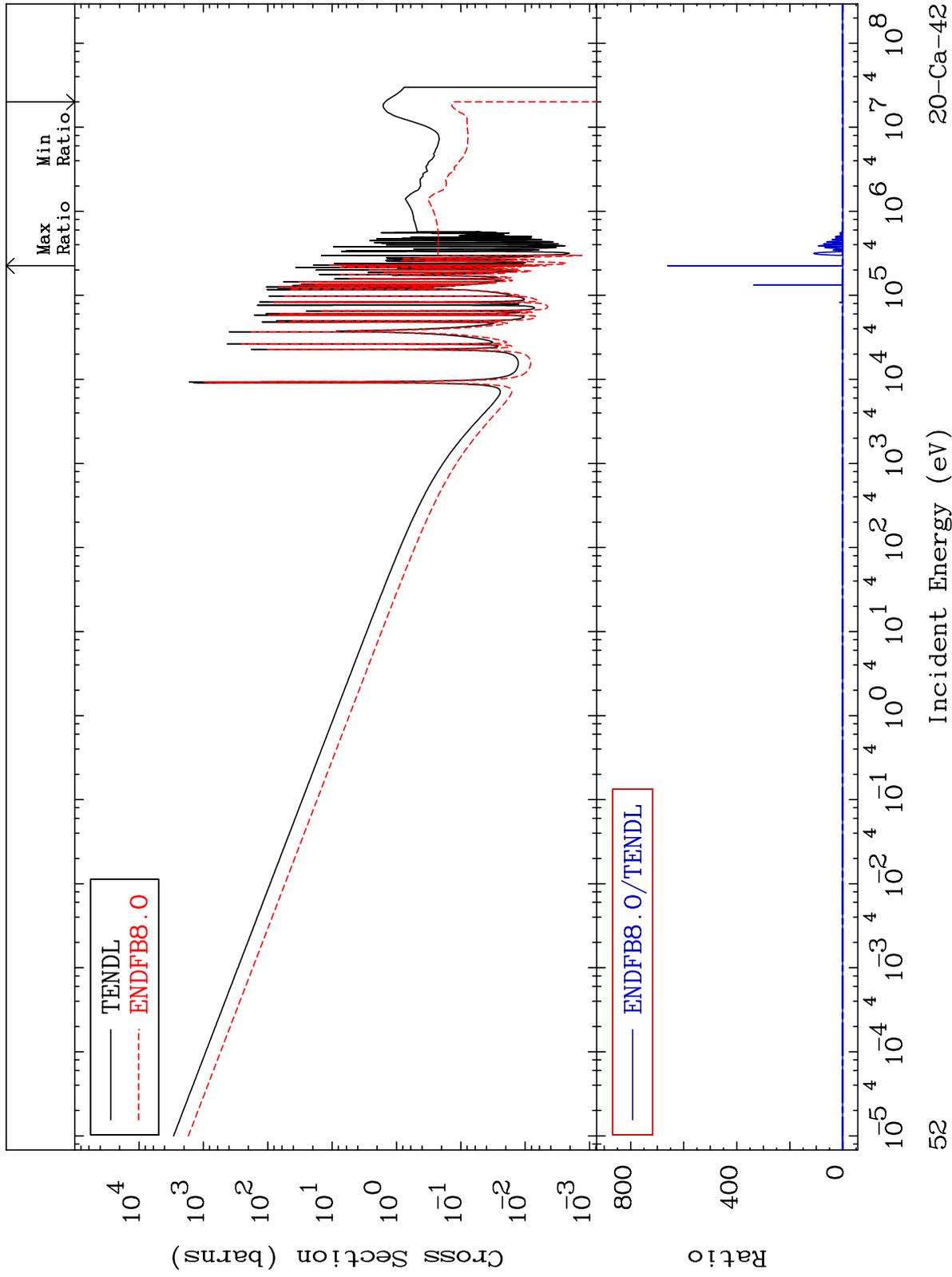
Incident Energy (eV)

20-Ca-42

MAT 2031

Kerma capture (mt102)
Cross Section

20-Ca-42
-100.0 To 9999. %



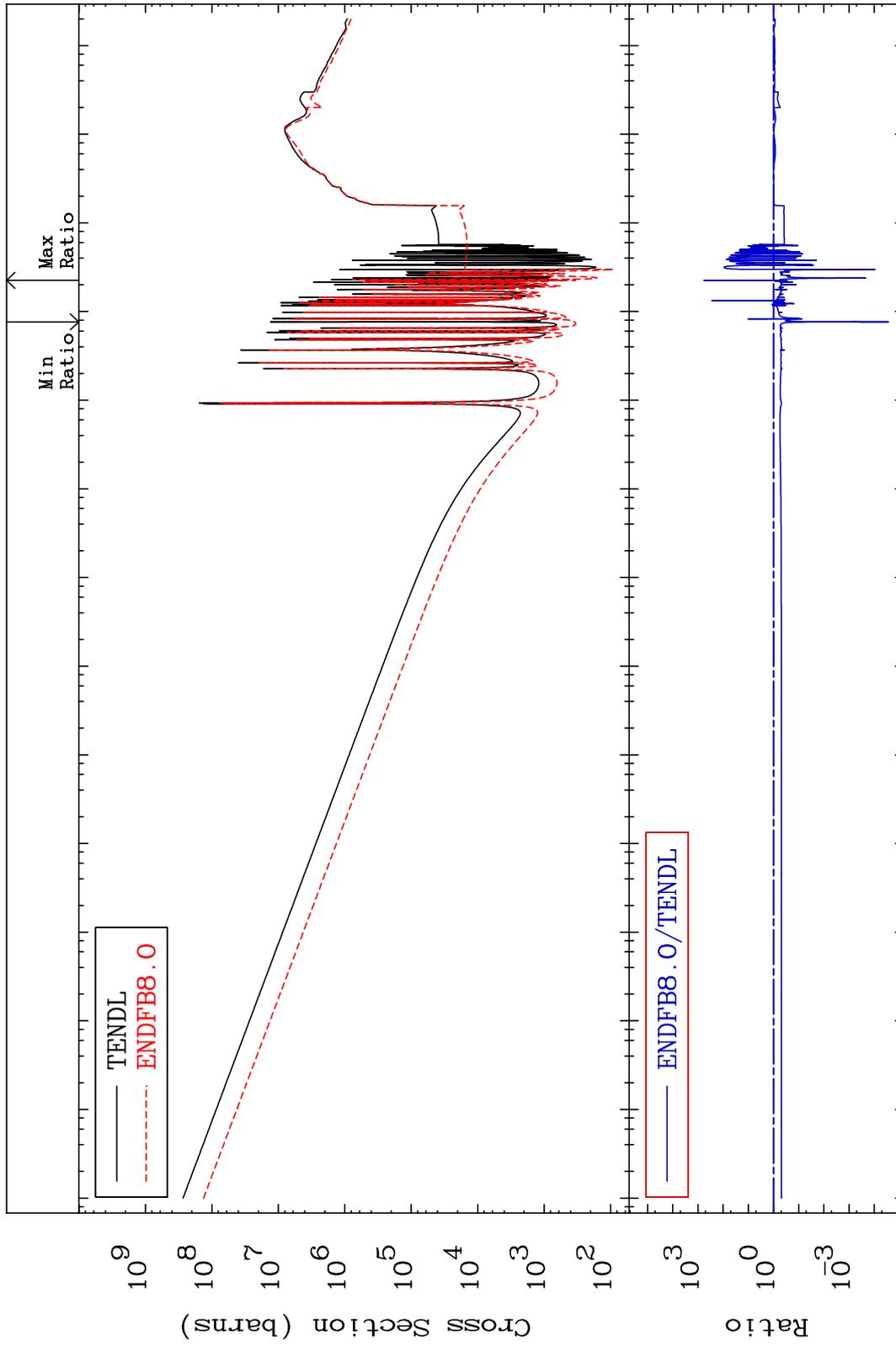
52

20-Ca-42

MAT 2031

Total photon (eV-barns)
Cross Section

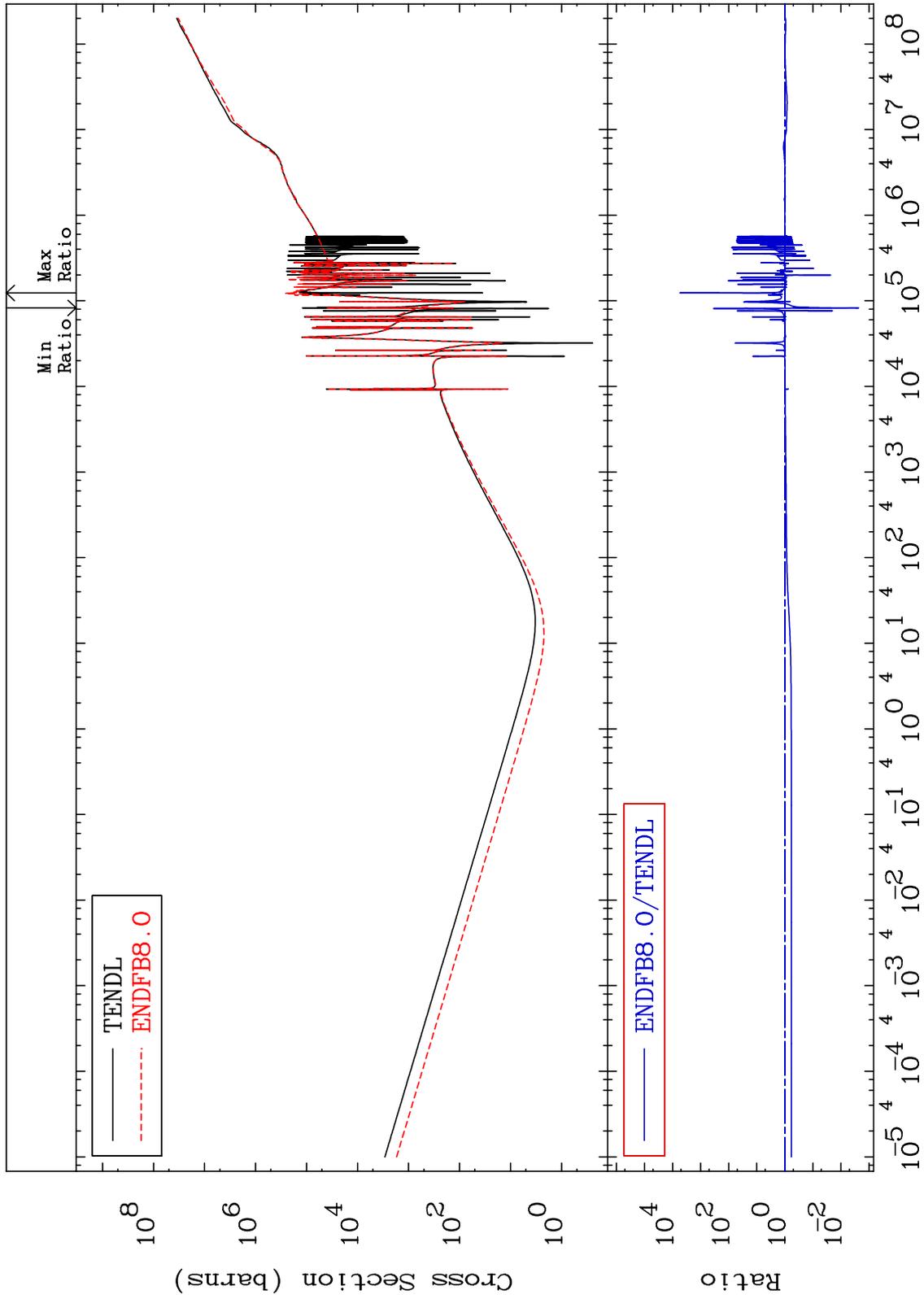
20-Ca-42
-100.0 To 9999. %



MAT 2031

Total kinematic kerma (high limit)
Cross Section

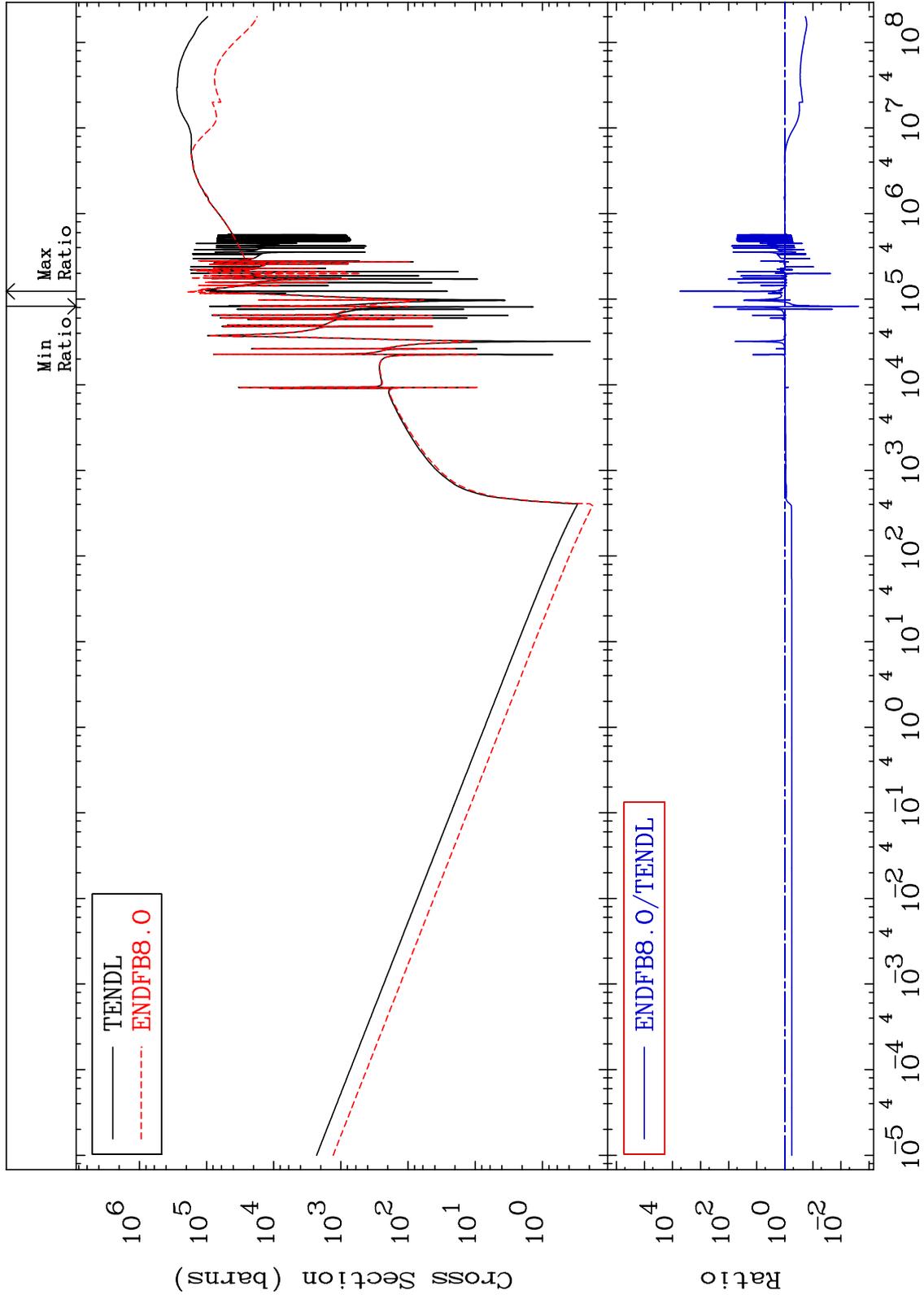
20-Ca-42
-99.76 To 9999. %



MAT 2031

Dpa total (eV-barns)
Cross Section

20-Ca-42
-99.76 To 9999. %



55

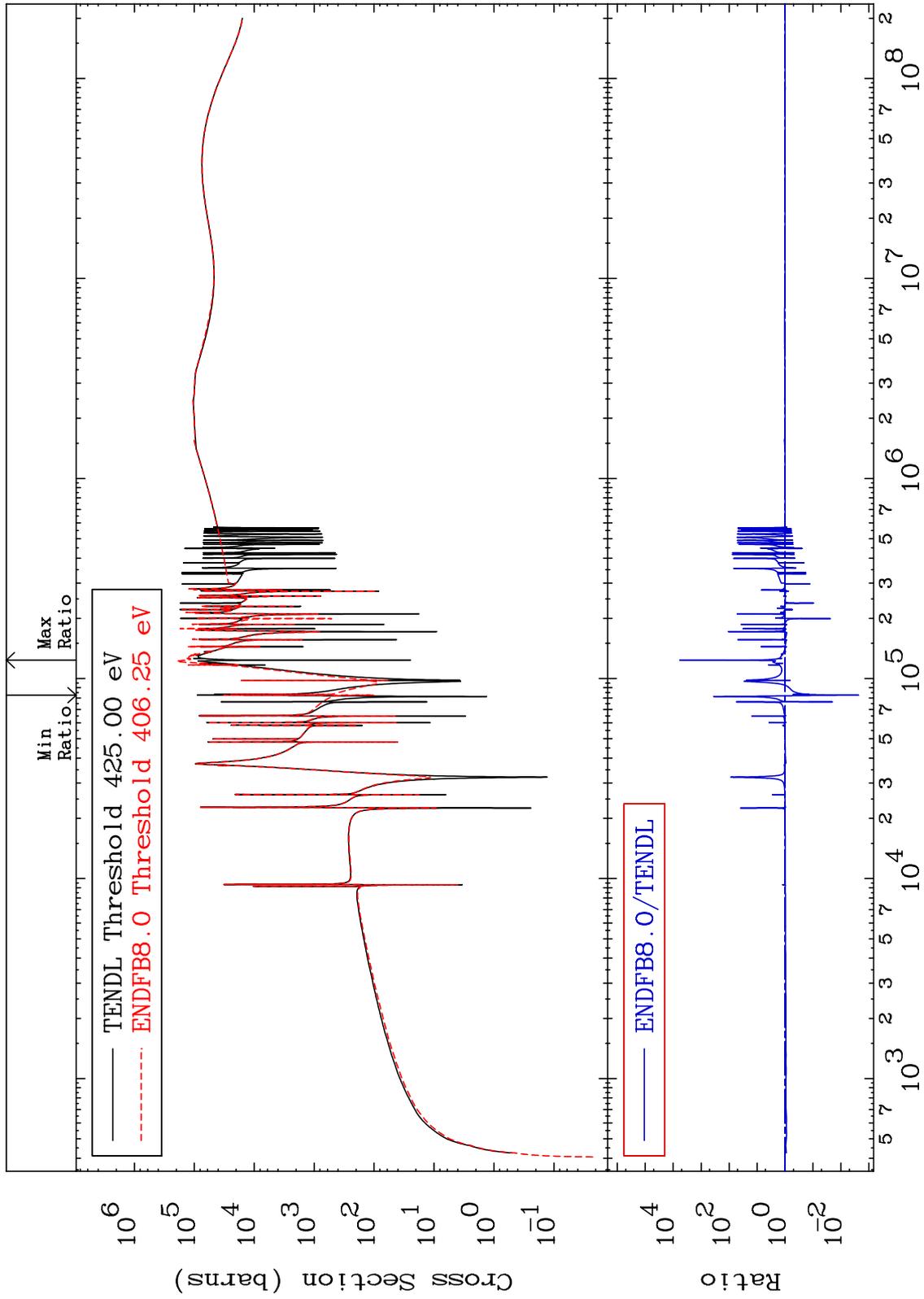
Incident Energy (eV)

20-Ca-42

MAT 2031

Dpa elastic (mt2)
Cross Section

20-Ca-42
-99.76 To 9999. %



56

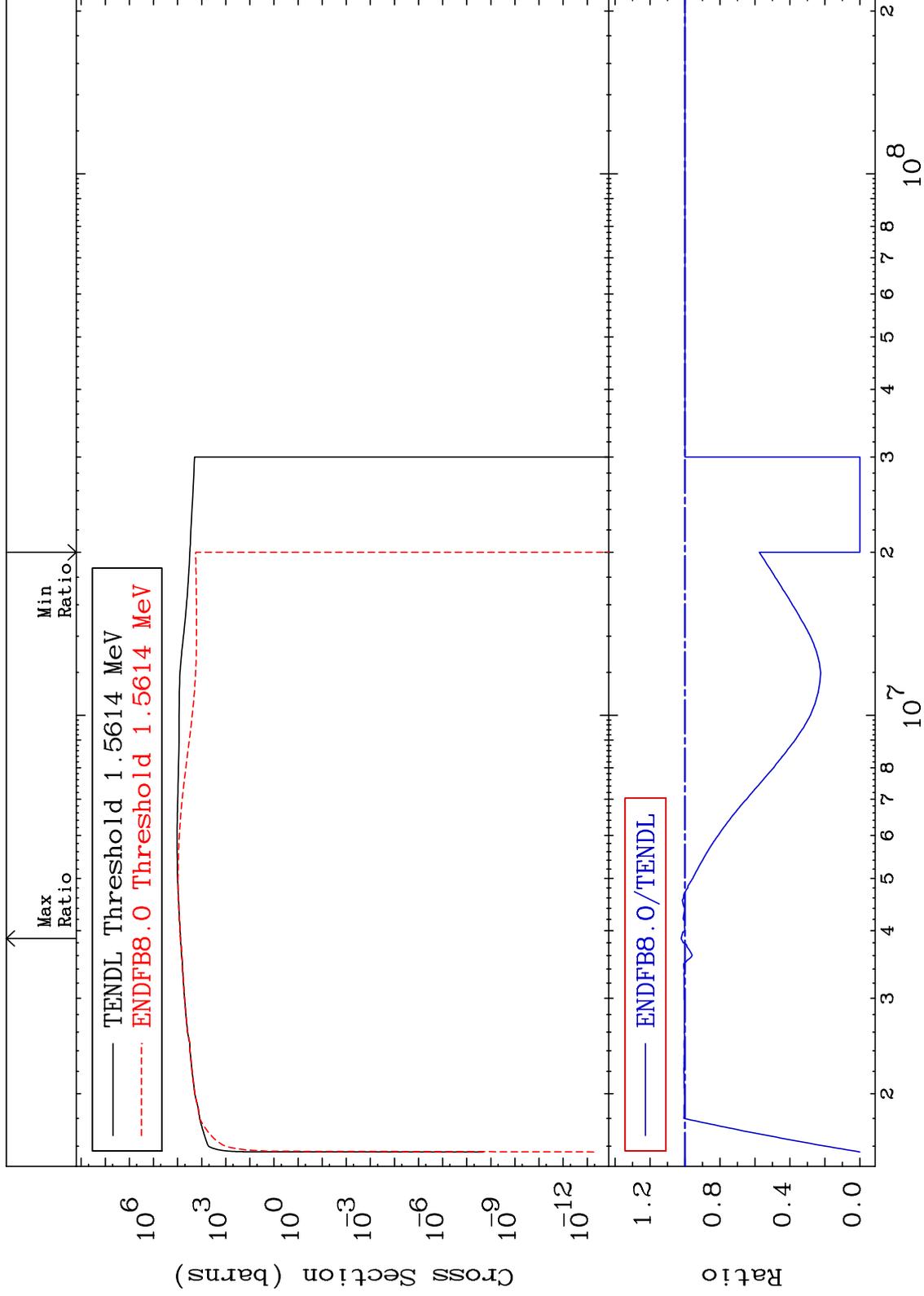
Incident Energy (eV)

20-Ca-42

MAT 2031

Dpa inelastic (mt51-91)
Cross Section

20-Ca-42
-100.0 To 2.229 %



57

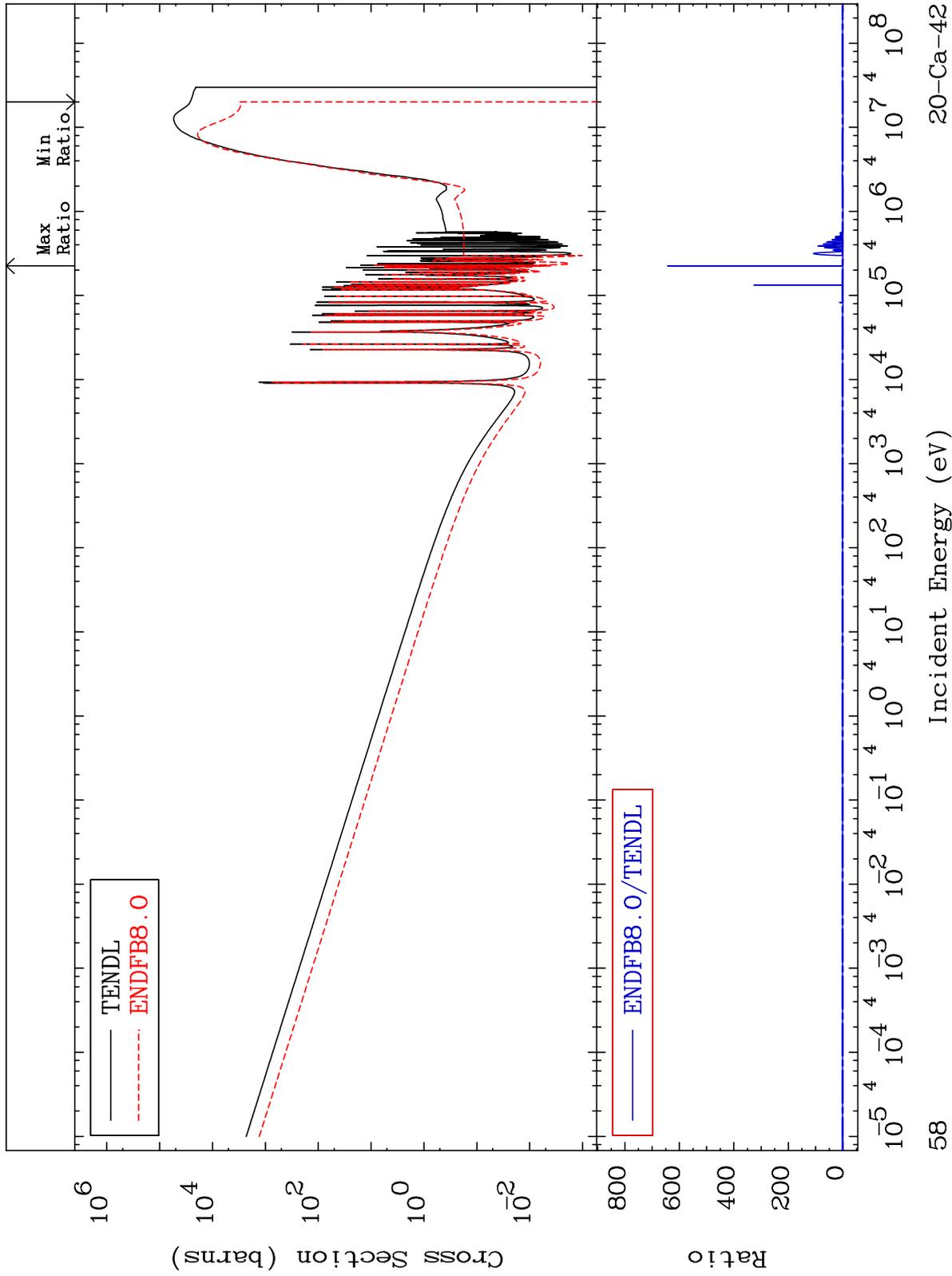
Incident Energy (eV)

20-Ca-42

MAT 2031

Dpa disappearance (mt102 -120)
Cross Section

20-Ca-42
-100.0 To 9999. %



58

Incident Energy (eV)

20-Ca-42