

Program Complot
(Version 2018-1)

by

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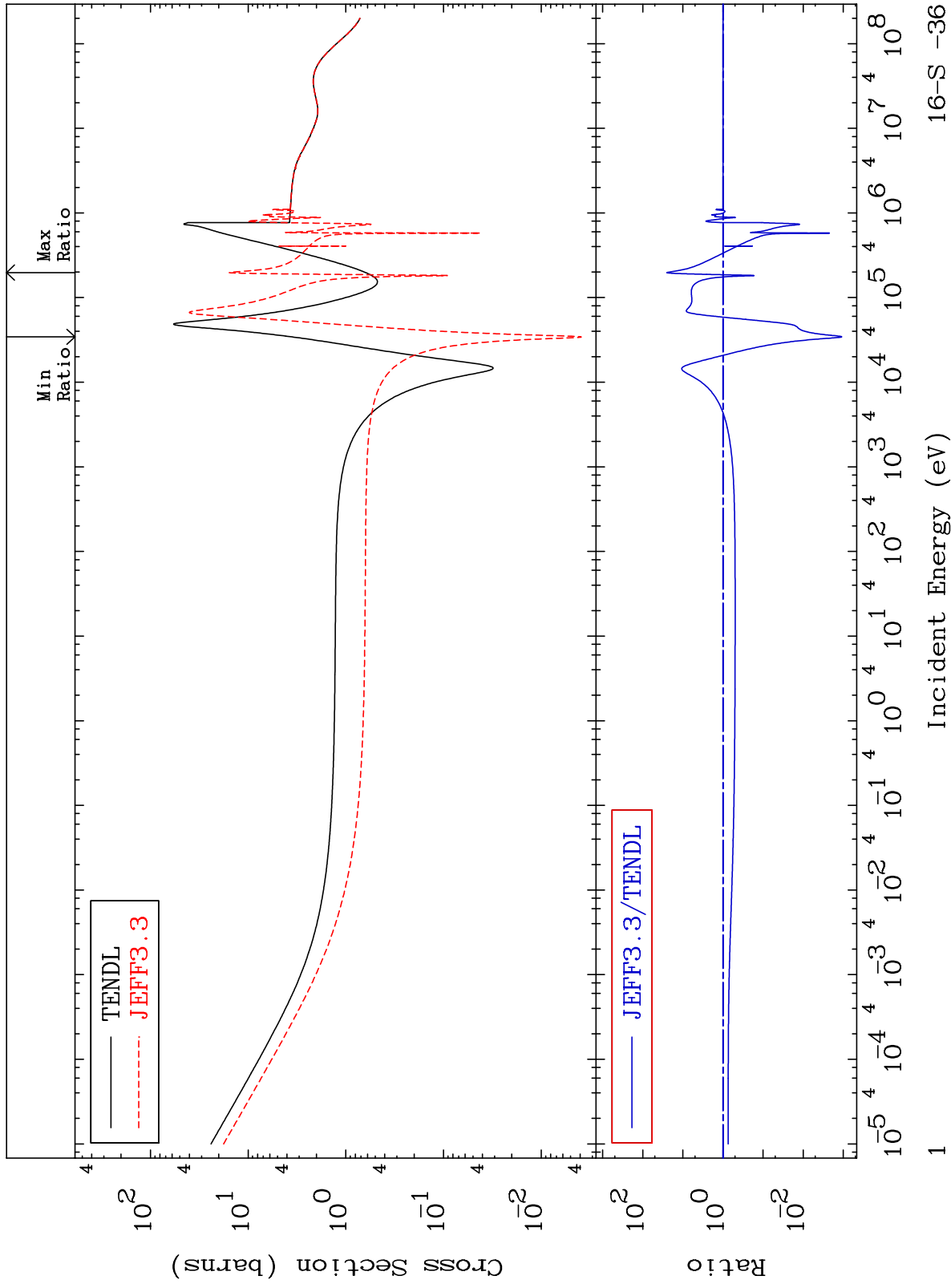
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1637

Total
Cross Section

16-S -36
-99.89 To 2411. %

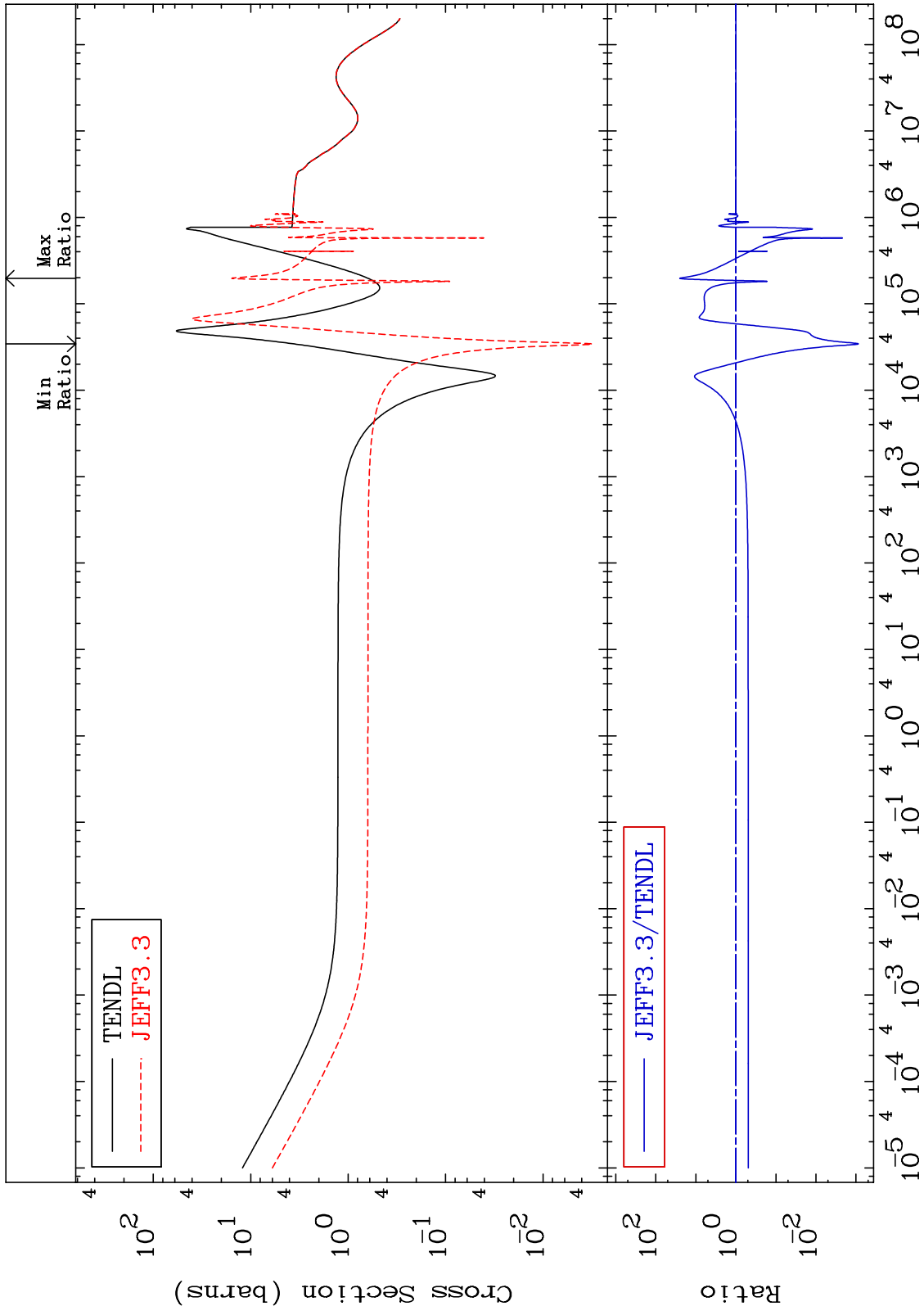


16-S -36

MAT 1637

Elastic
Cross Section

16-S -36
-99.91 To 2411. %



Incident Energy (eV)

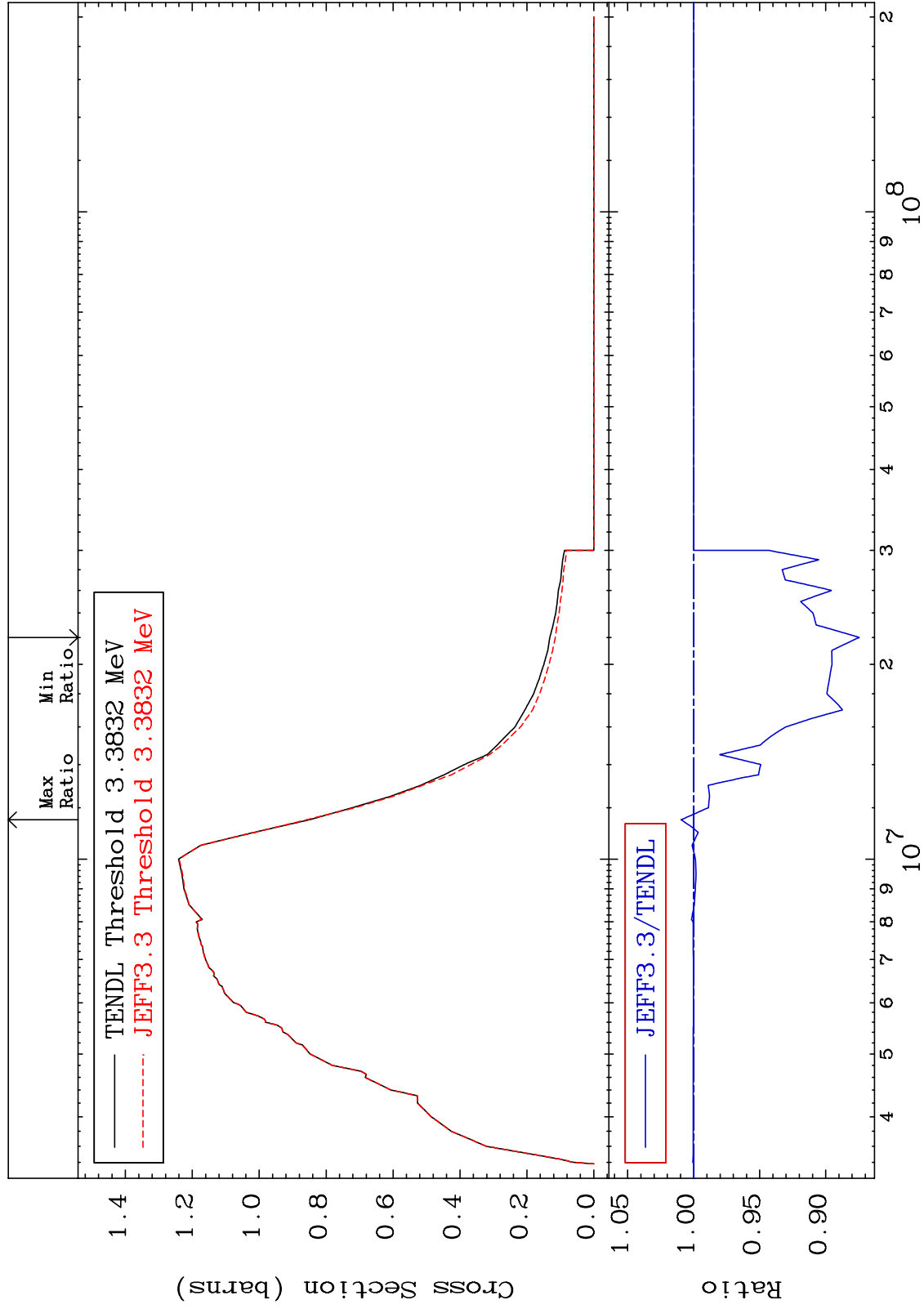
16-S -36

2

MAT 1637

Inelastic
Cross Section

16-S -36
-12.54 To 0.957 %



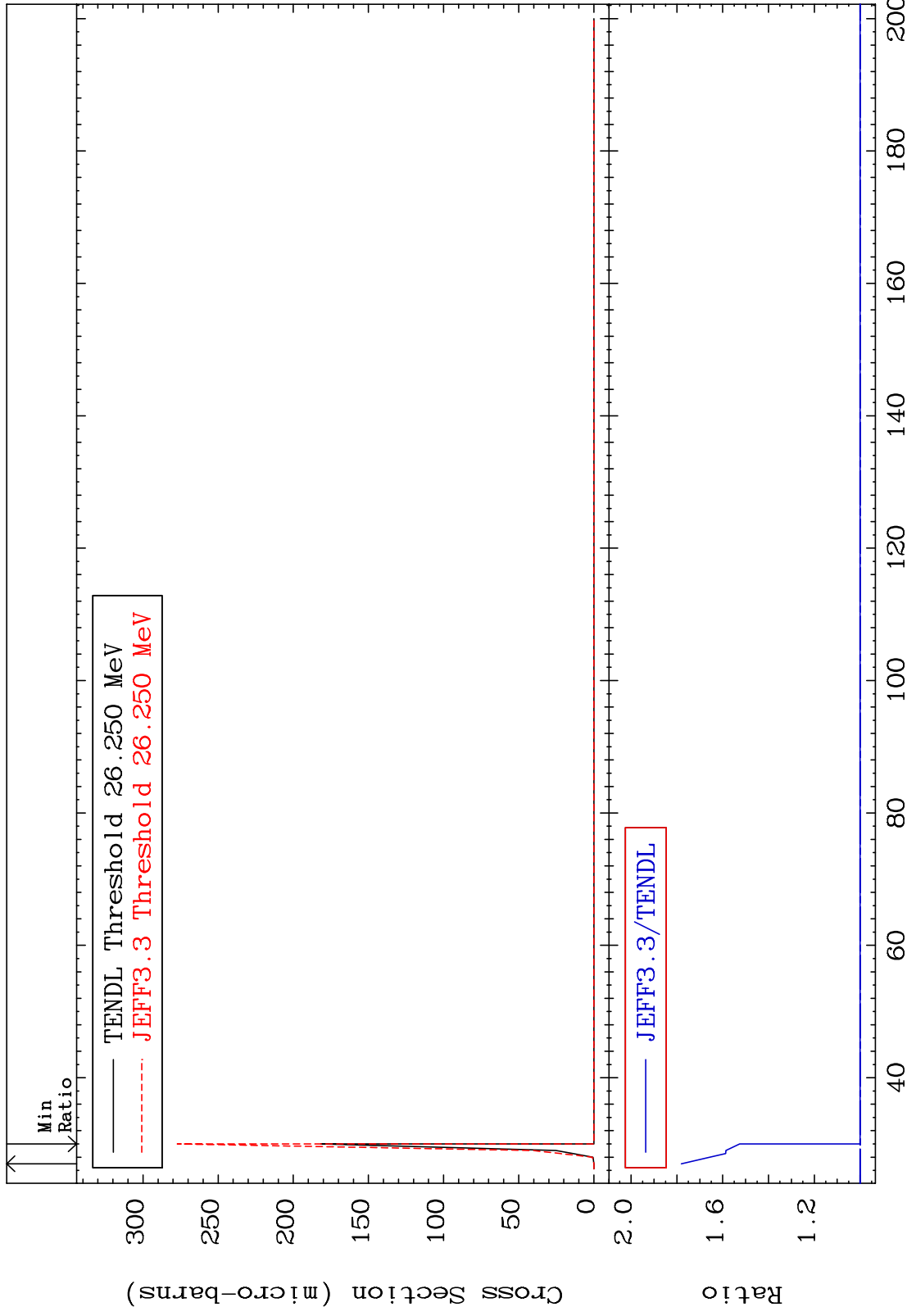
MAT 1637

(n,2n) d

16-S -36

Cross Section

0.000 To 78.05 %



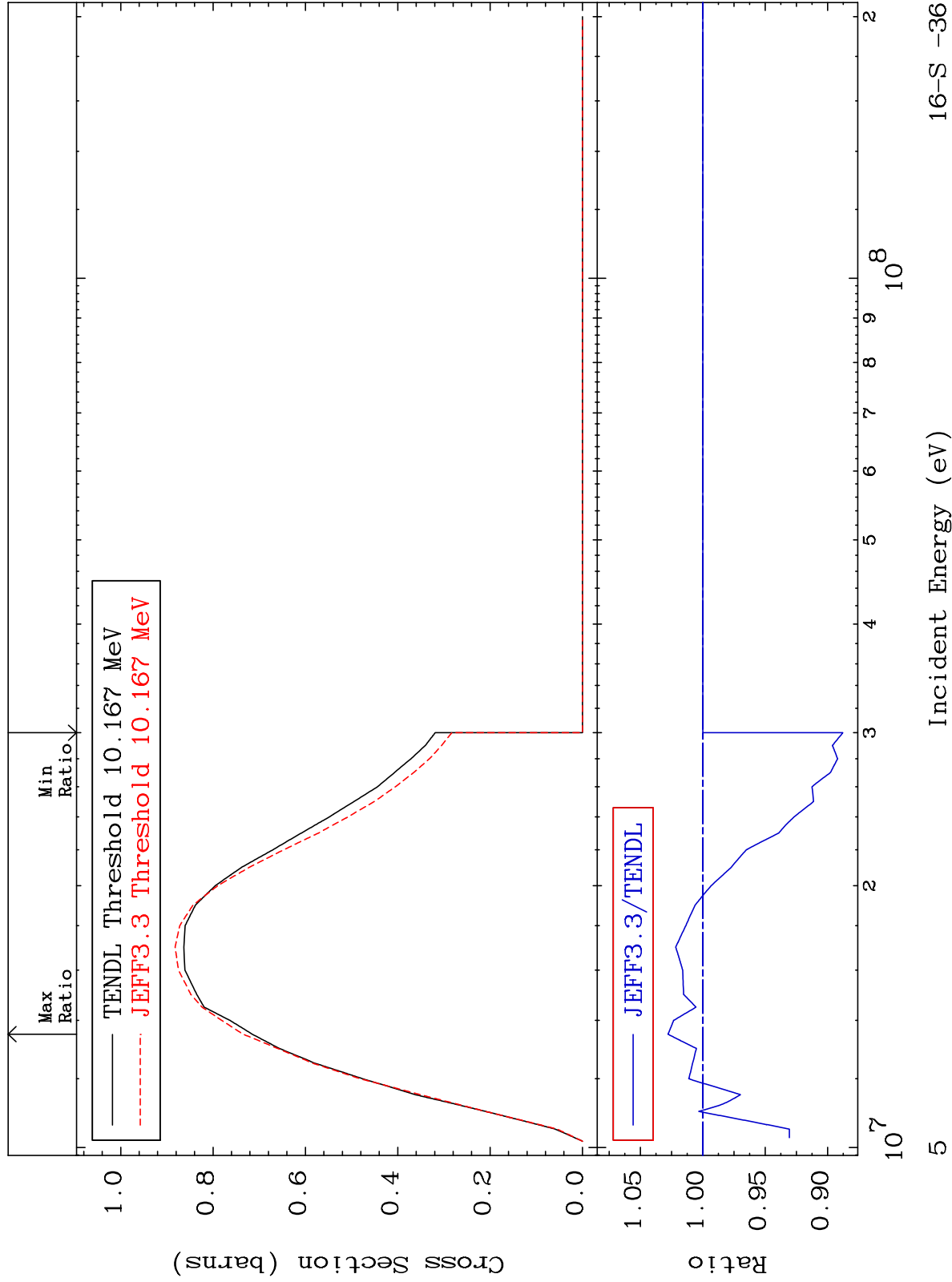
MAT 1637

(n,2n)

16-S -36

Cross Section

-11.21 To 2.792 %



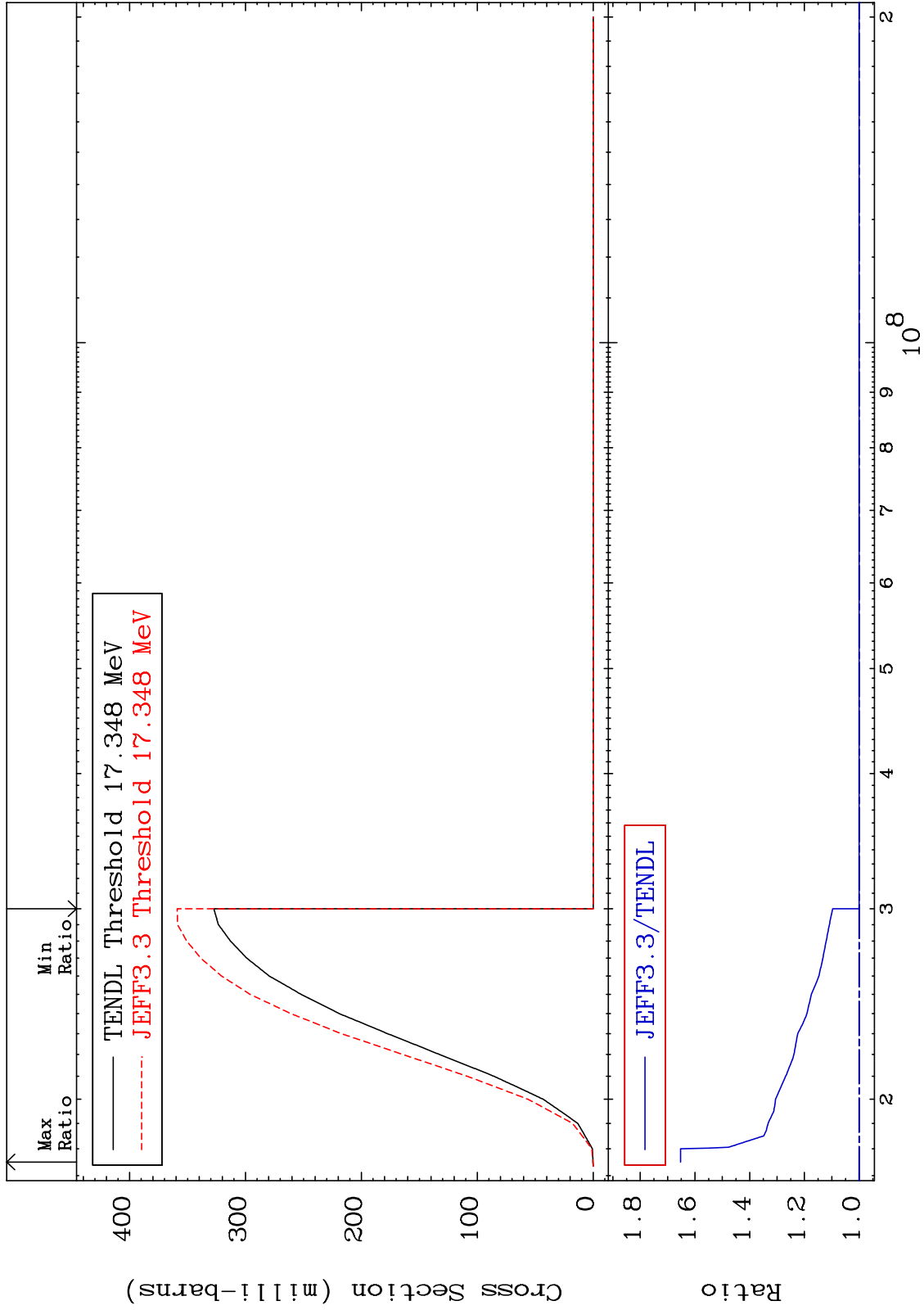
MAT 1637

(n,3n)

16-S -36

Cross Section

0.000 To 65.24 %



16-S -36

Incident Energy (eV)

6

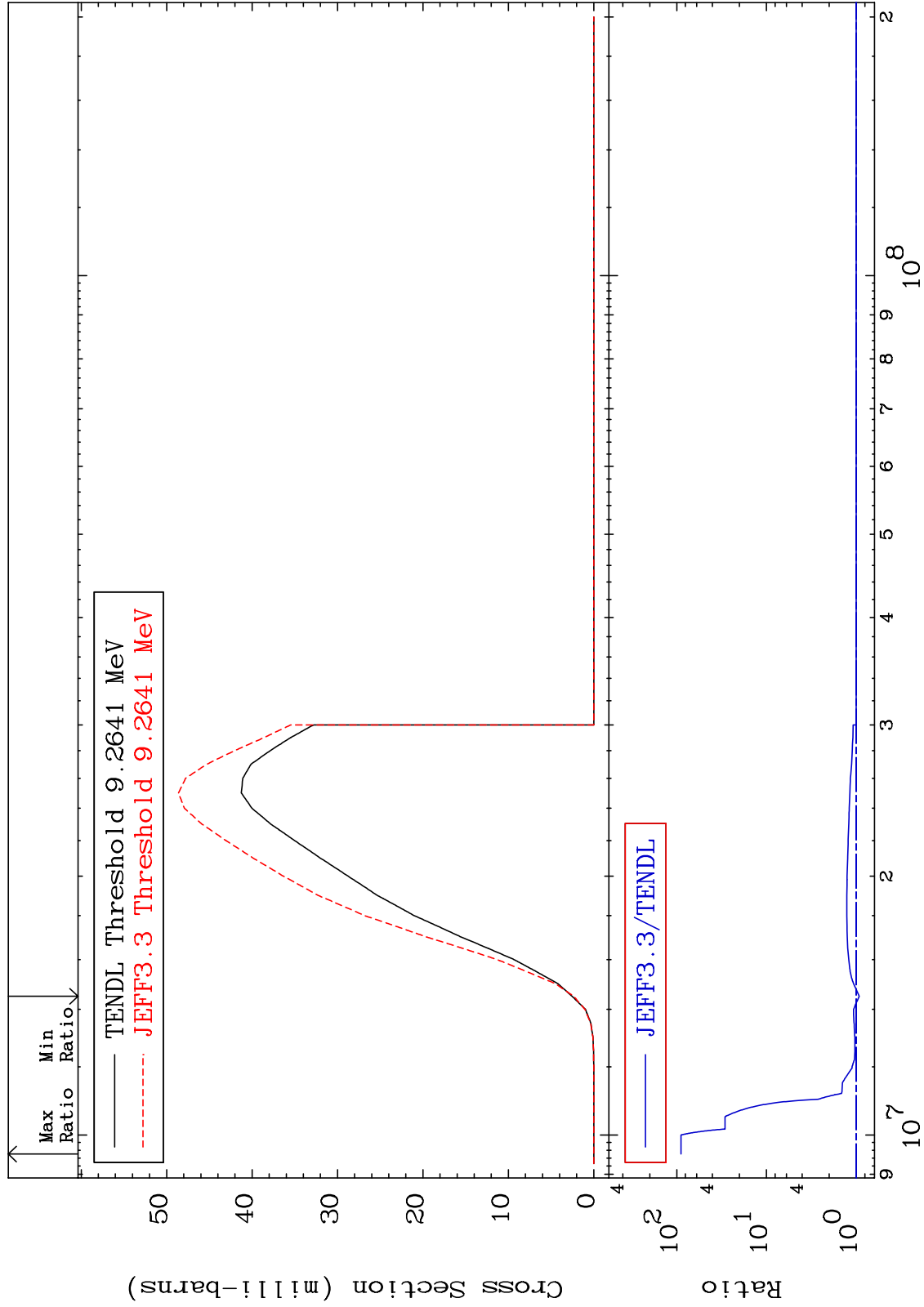
MAT 1637

(n,n') α

16-S -36

Cross Section

-7.525 To 8855. %



Incident Energy (eV)

16-S -36

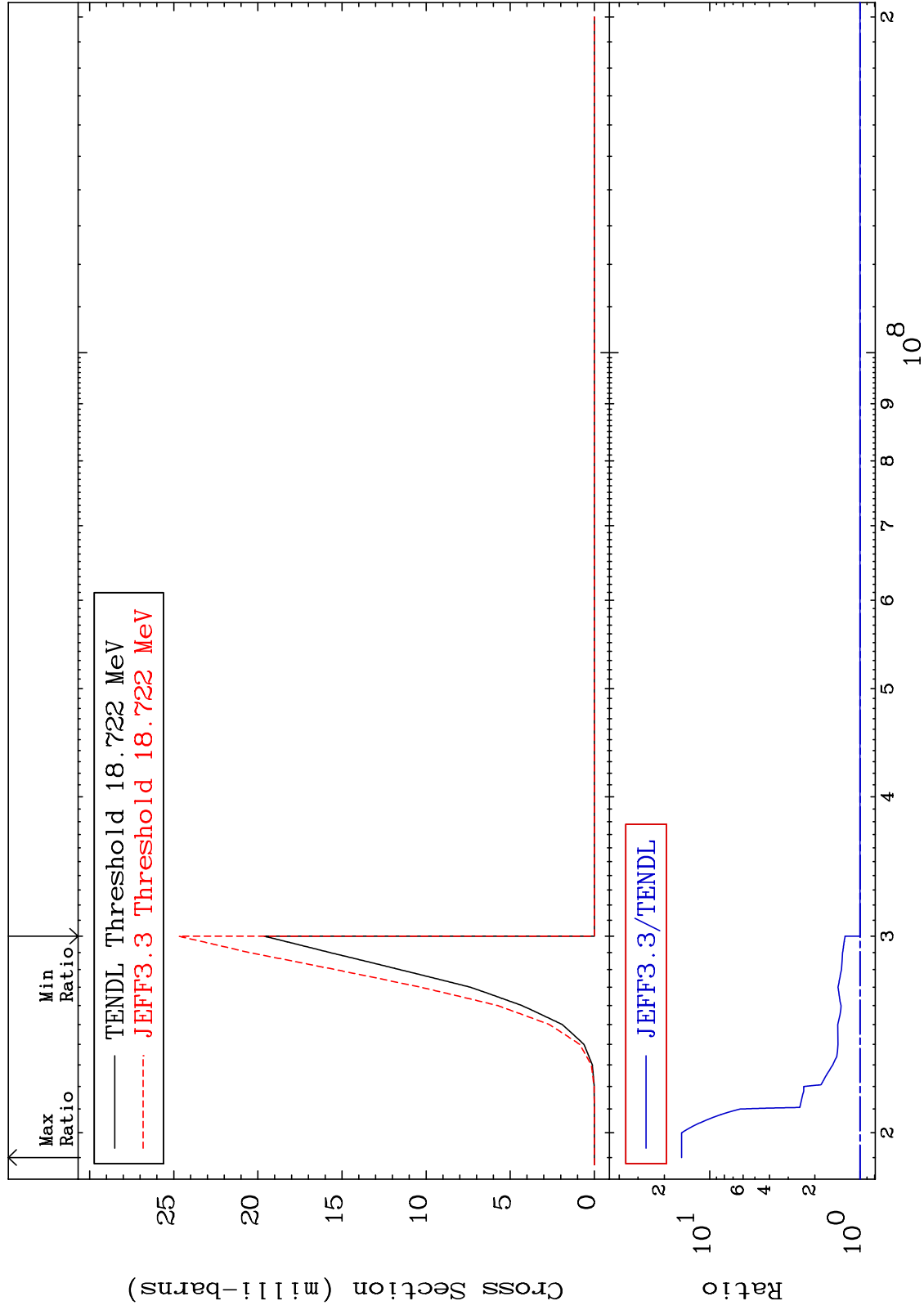
MAT 1637

(n,2n) α

16-S -36

Cross Section

0.000 To 1435. %



8

Incident Energy (eV)

16-S -36

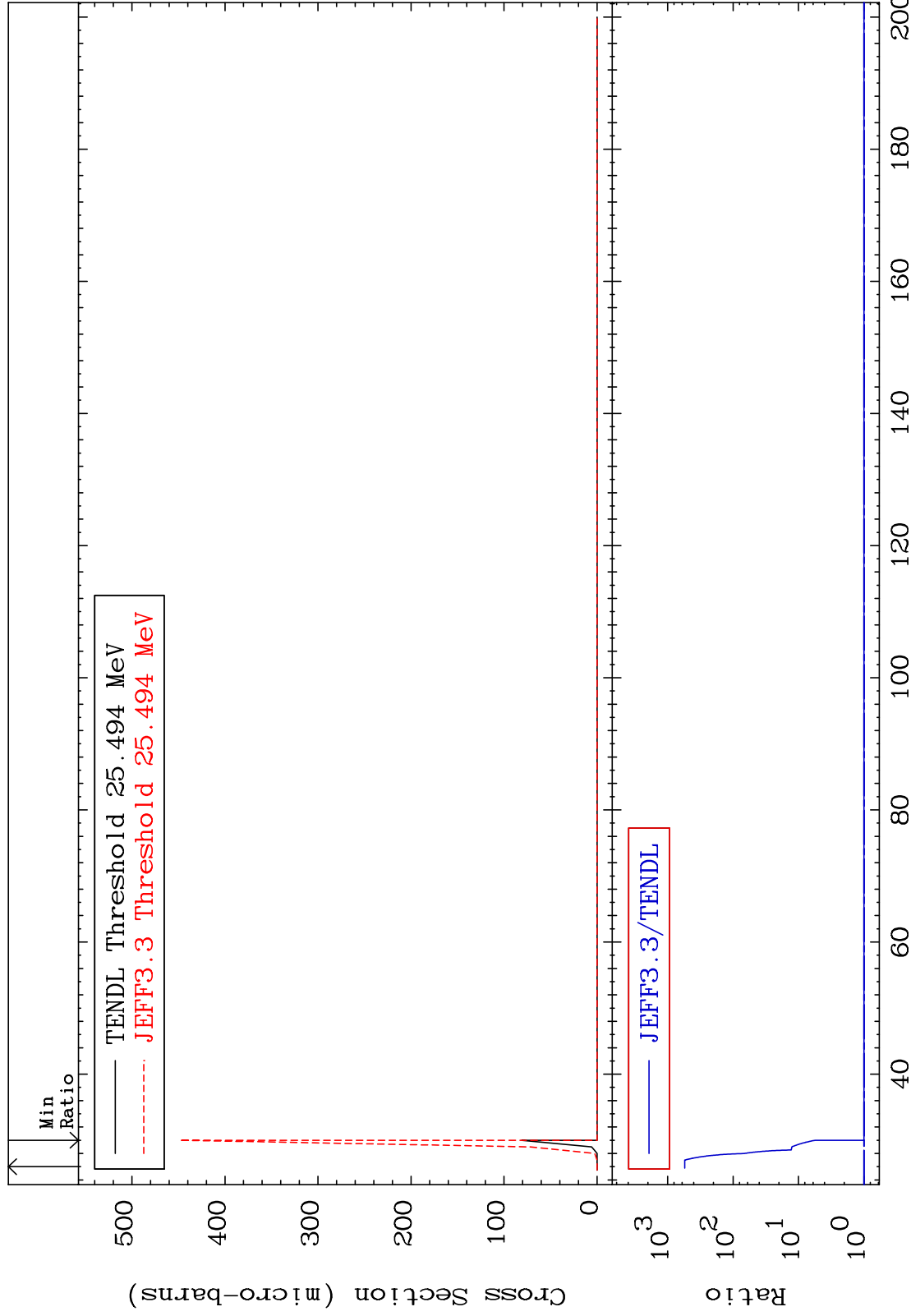
MAT 1637

(n,3n) α

16-S -36

Cross Section

0.000 To 9999. %



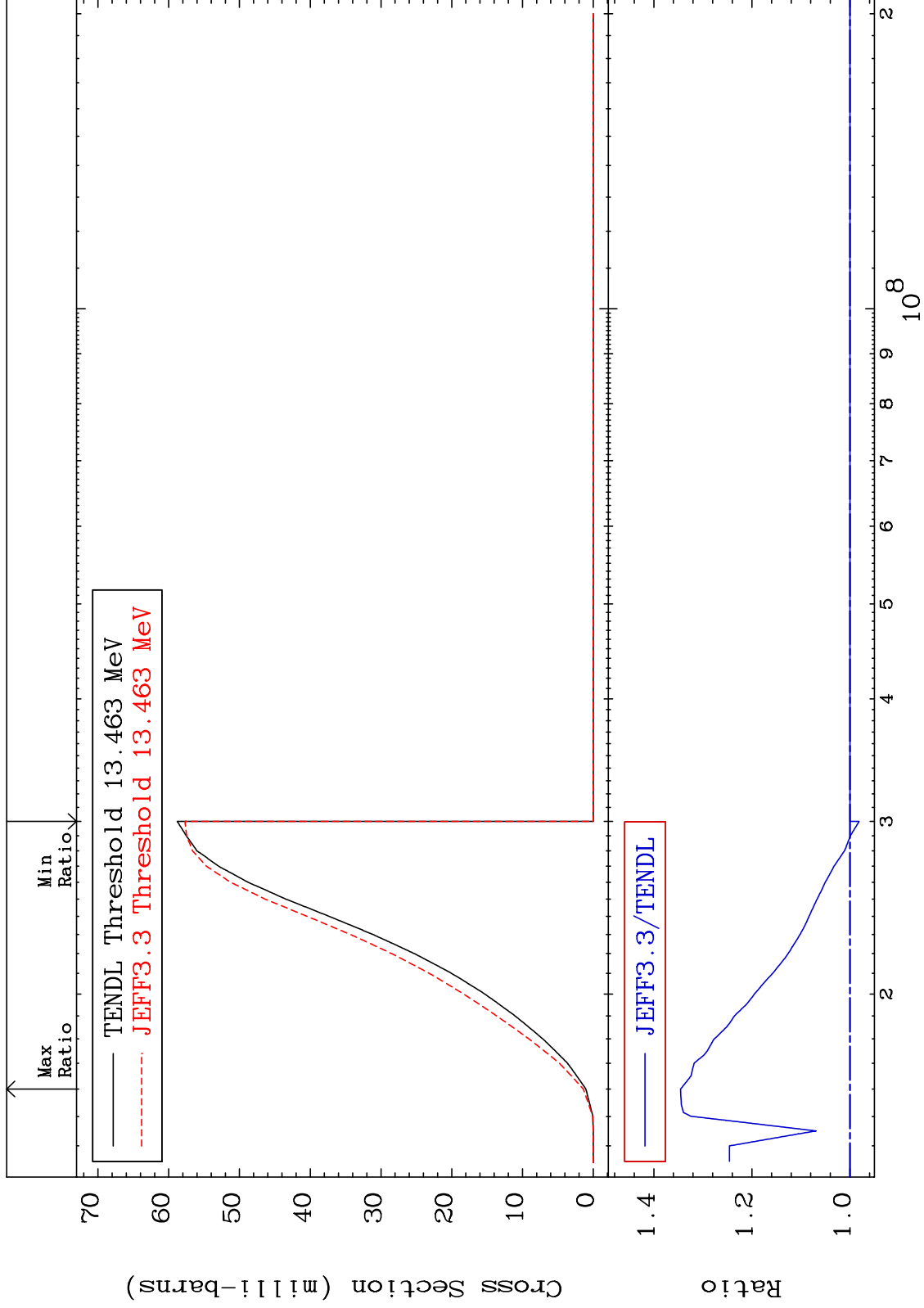
MAT 1637

(n,n') p

16-S -36

Cross Section

-1.873 To 34.53 %



10

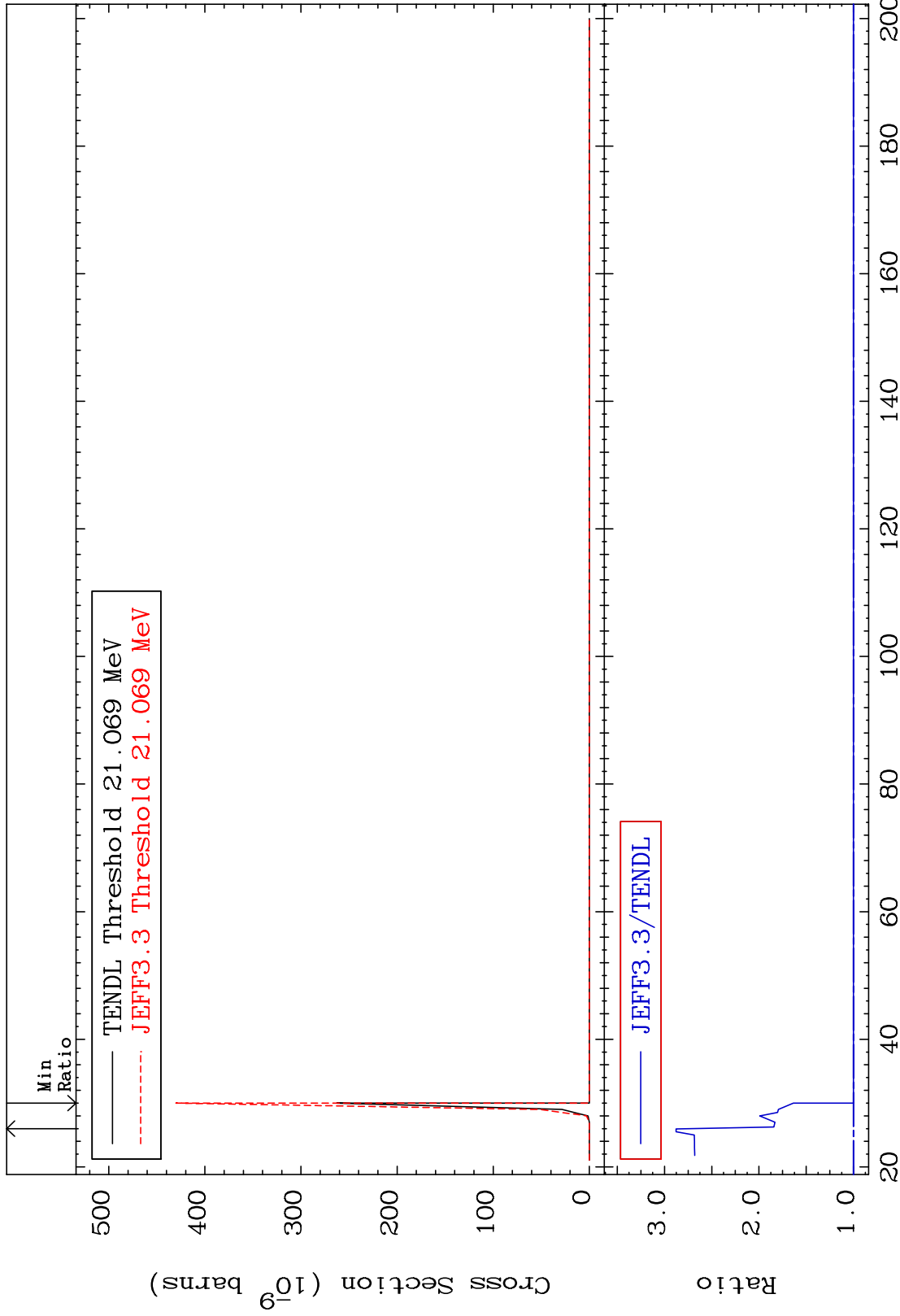
Incident Energy (eV)

16-S -36

MAT 1637

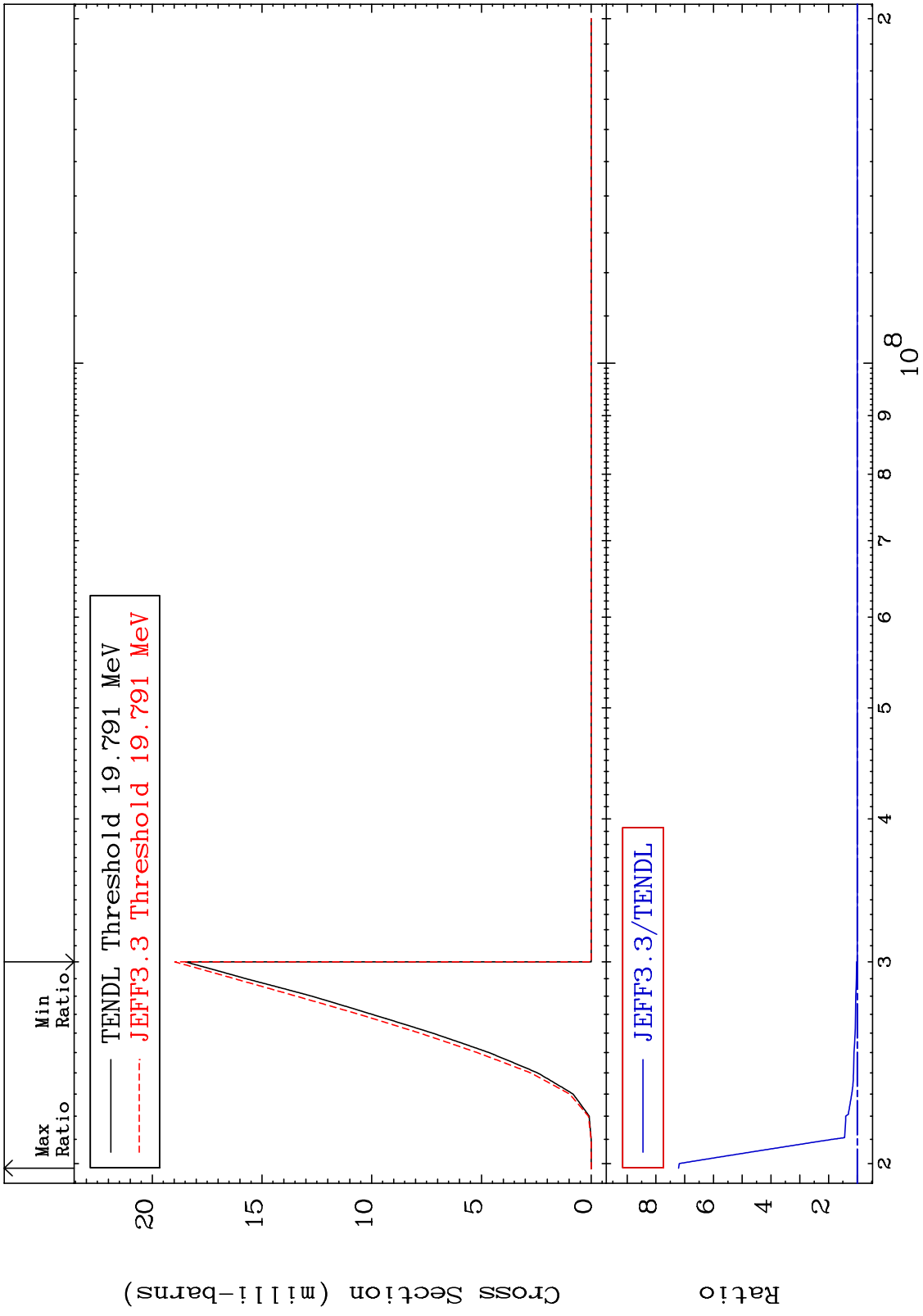
(n,n') 2α
Cross Section

16-S -36
0.000 To 187.7 %



16-S -36
Incident Energy (MeV)

MAT 1637 (n,n') d 16-S -36
 Cross Section 0.000 To 621.1 %



MAT 1637

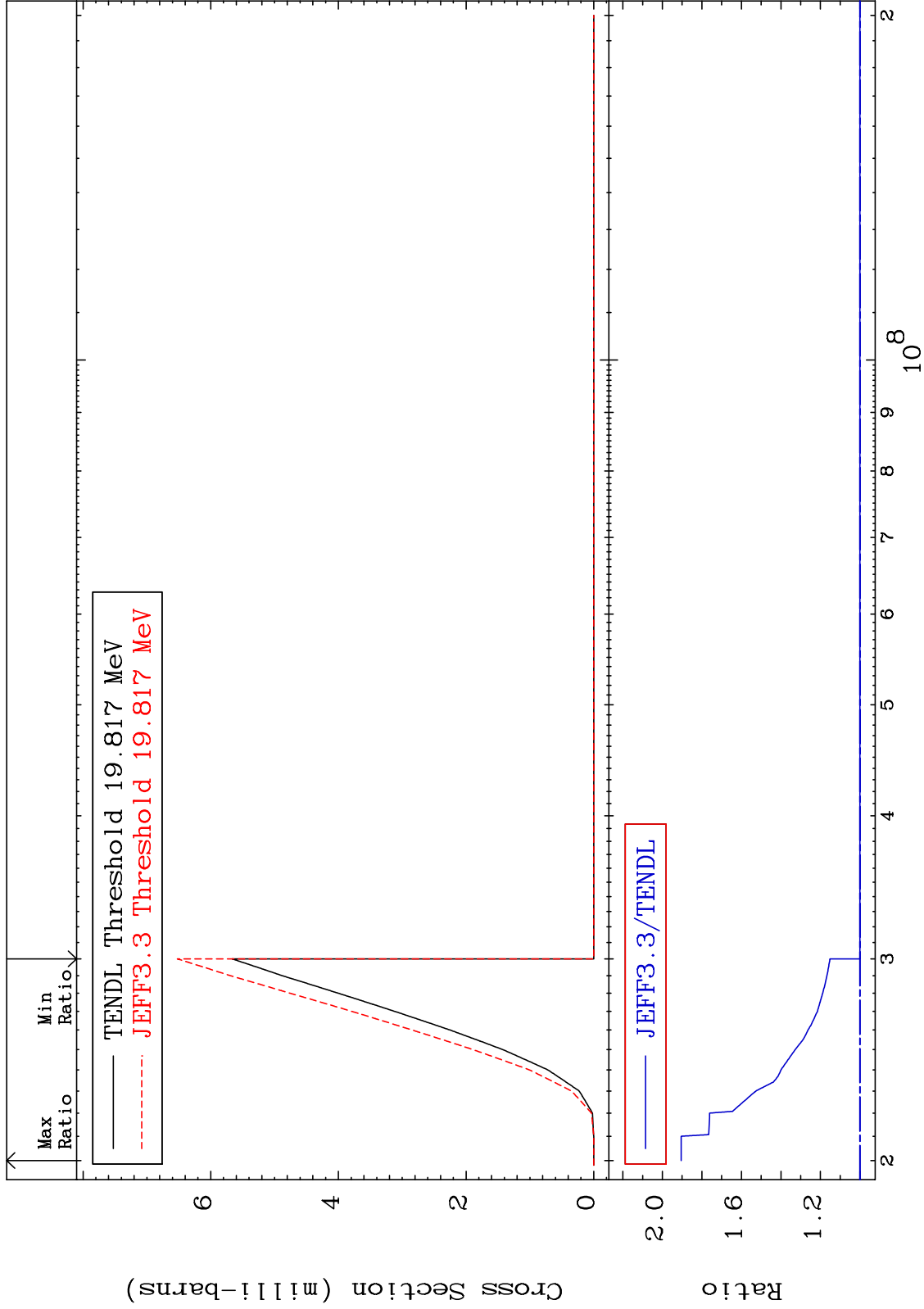
(n,n') t

16-S -36

Cross Section

0.000

To 90.46 %



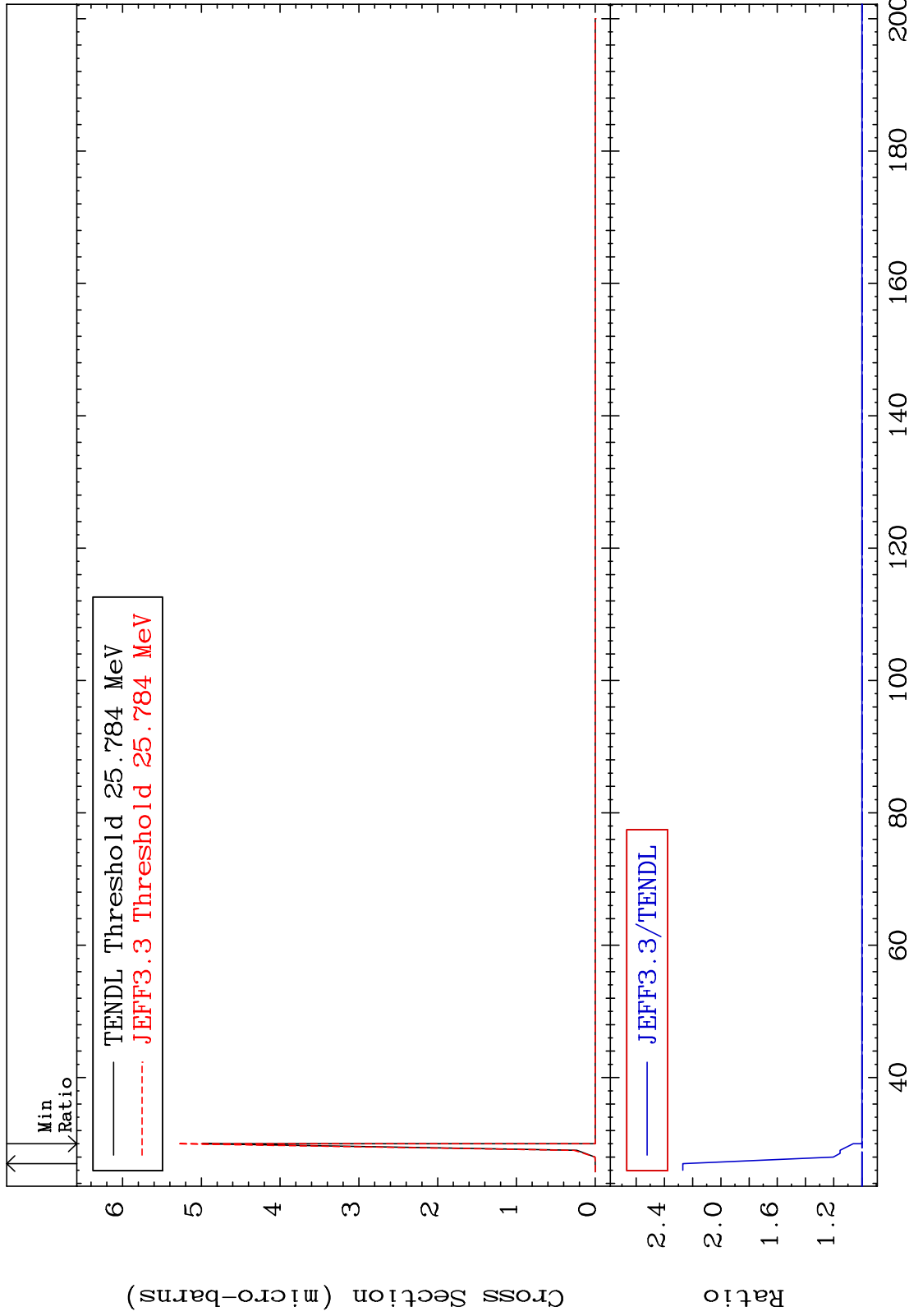
16-S -36

13

MAT 1637

(n,n') He-3
Cross Section

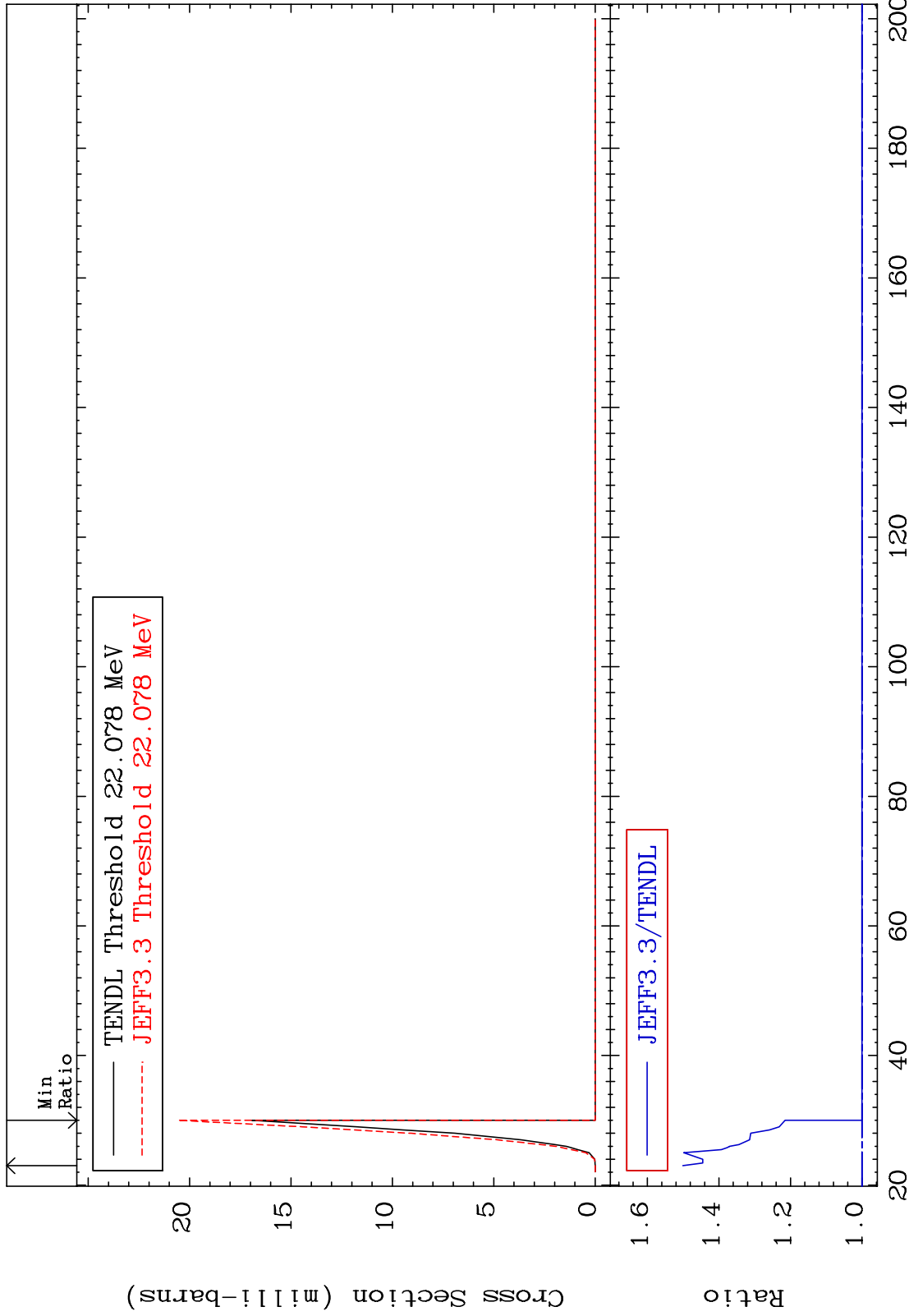
16-S -36
0.000 To 126.9 %



MAT 1637

(n,2n) p
Cross Section

16-S -36
0.000 To 50.08 %



16-S -36

Incident Energy (MeV)

15

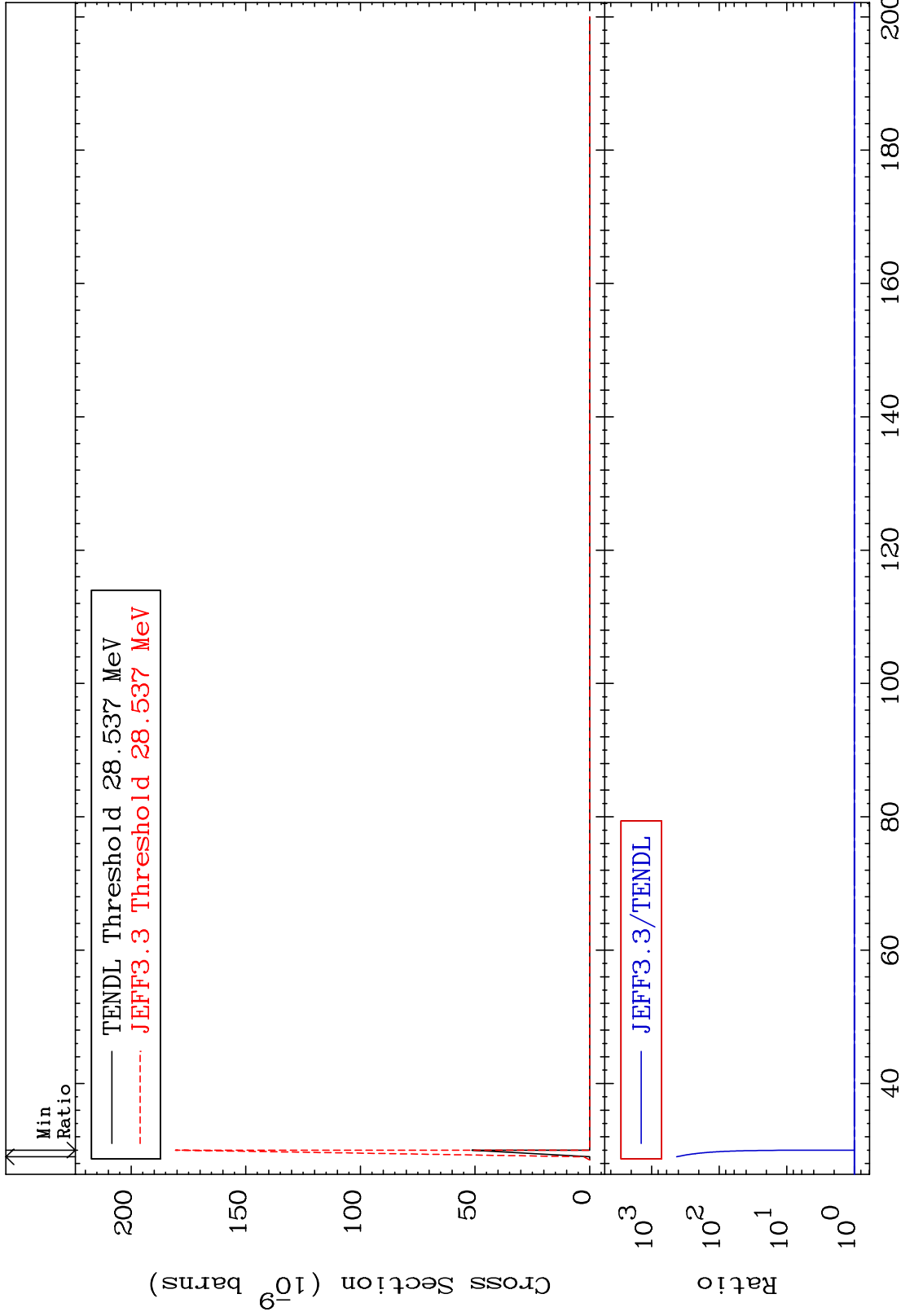
MAT 1637

(n,3n) p

16-S -36

Cross Section

0.000 To 9999. %



16

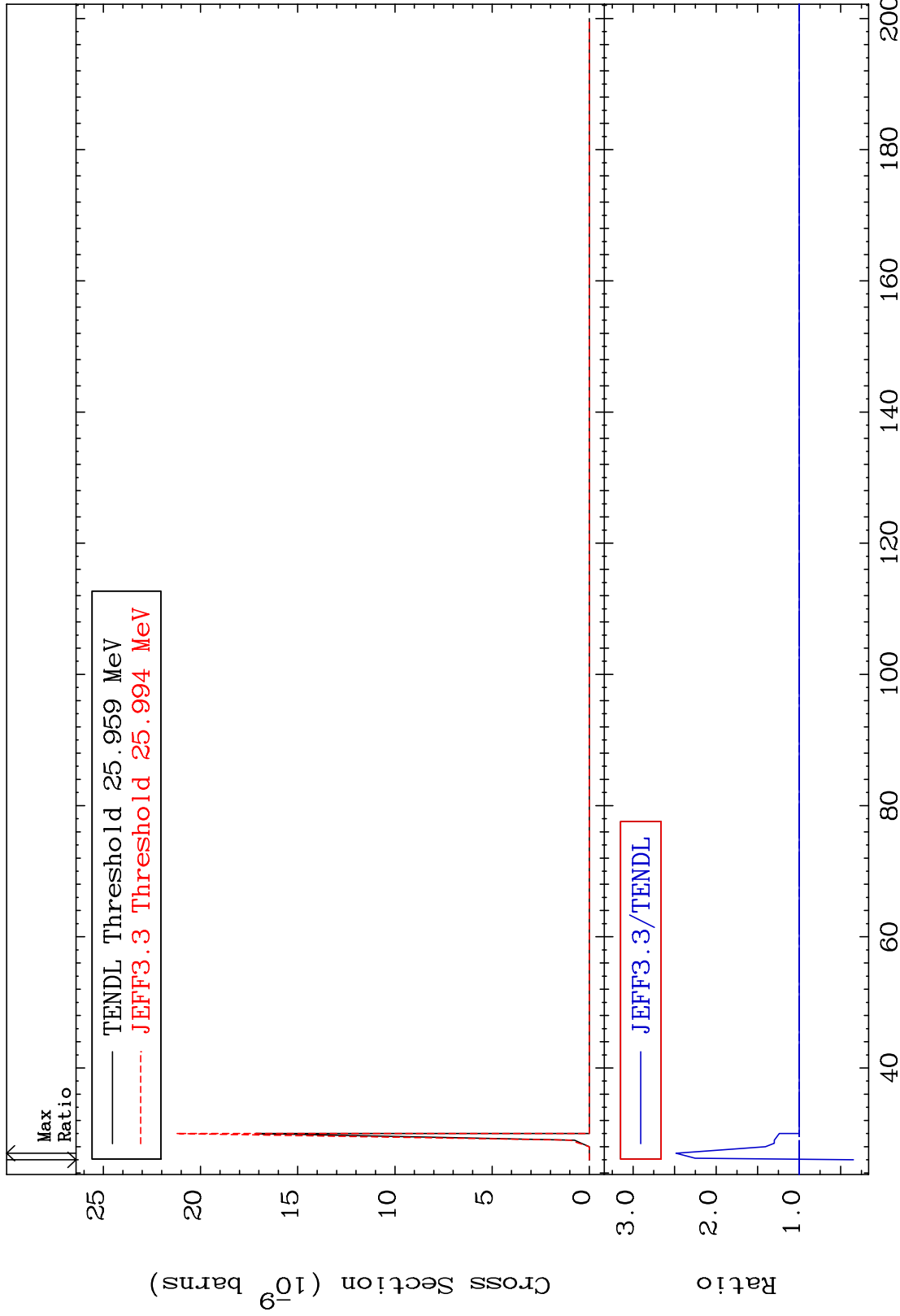
Incident Energy (MeV)

16-S -36

MAT 1637

(n,2n) p
Cross Section

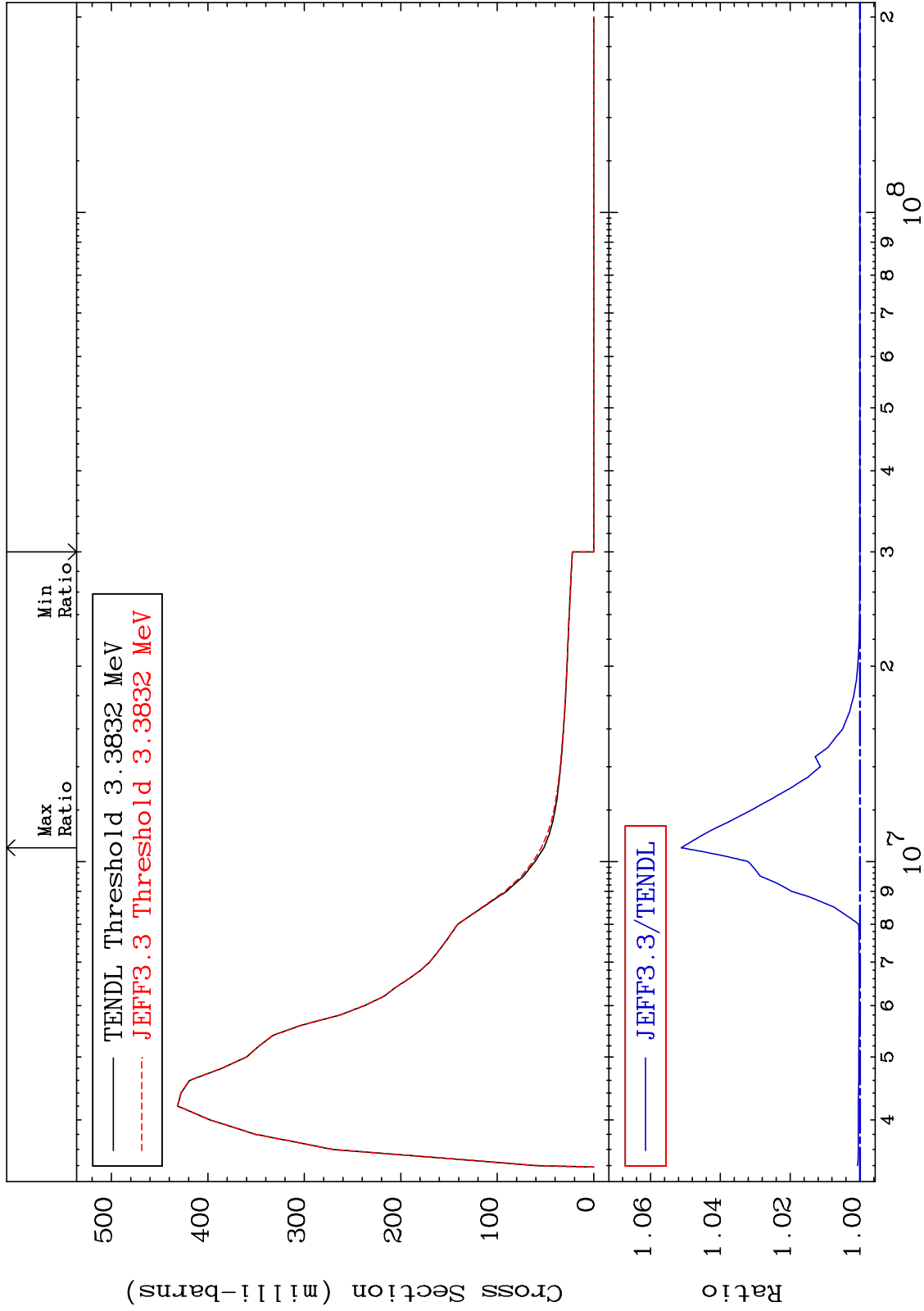
16-S -36
-65.35 To 148.2 %



MAT 1637

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

16-S -36
0.000 To 5.120 %



18

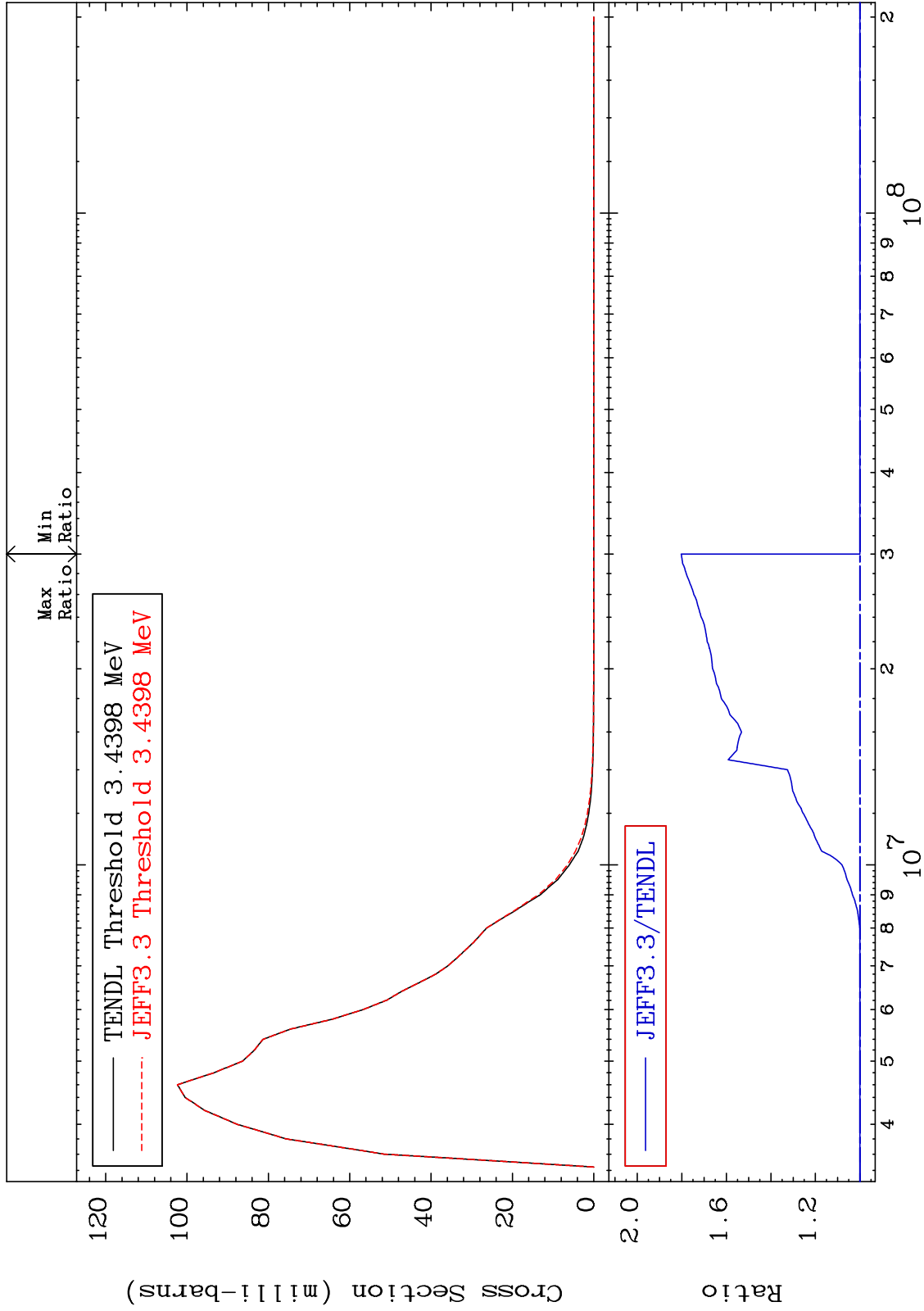
Incident Energy (eV)

16-S -36

MAT 1637

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

0.000 To 80.27 %
16-S -36



19

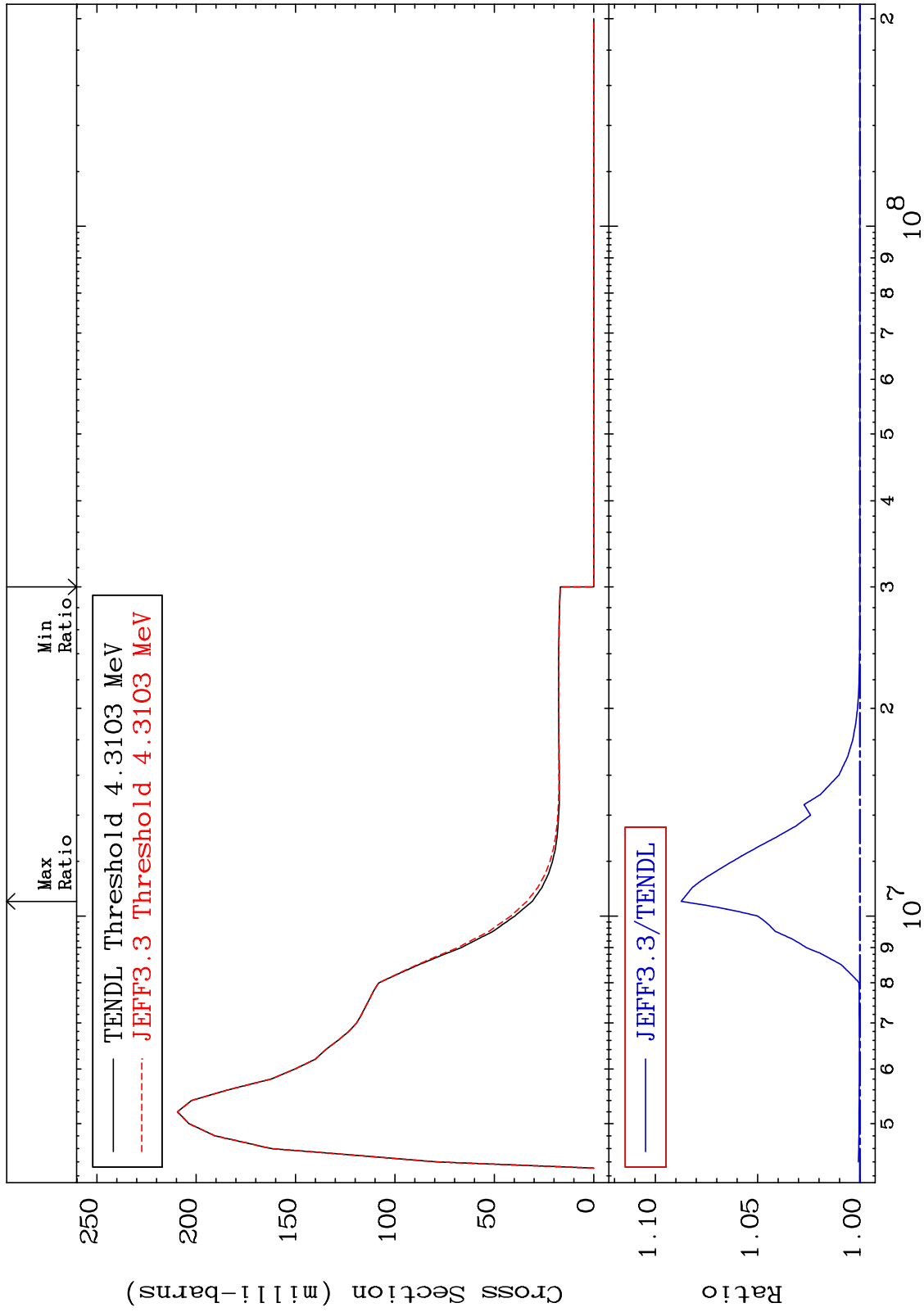
Incident Energy (eV)

16-S -36

MAT 1637

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

16-S -36
0.000 To 8.736 %



20

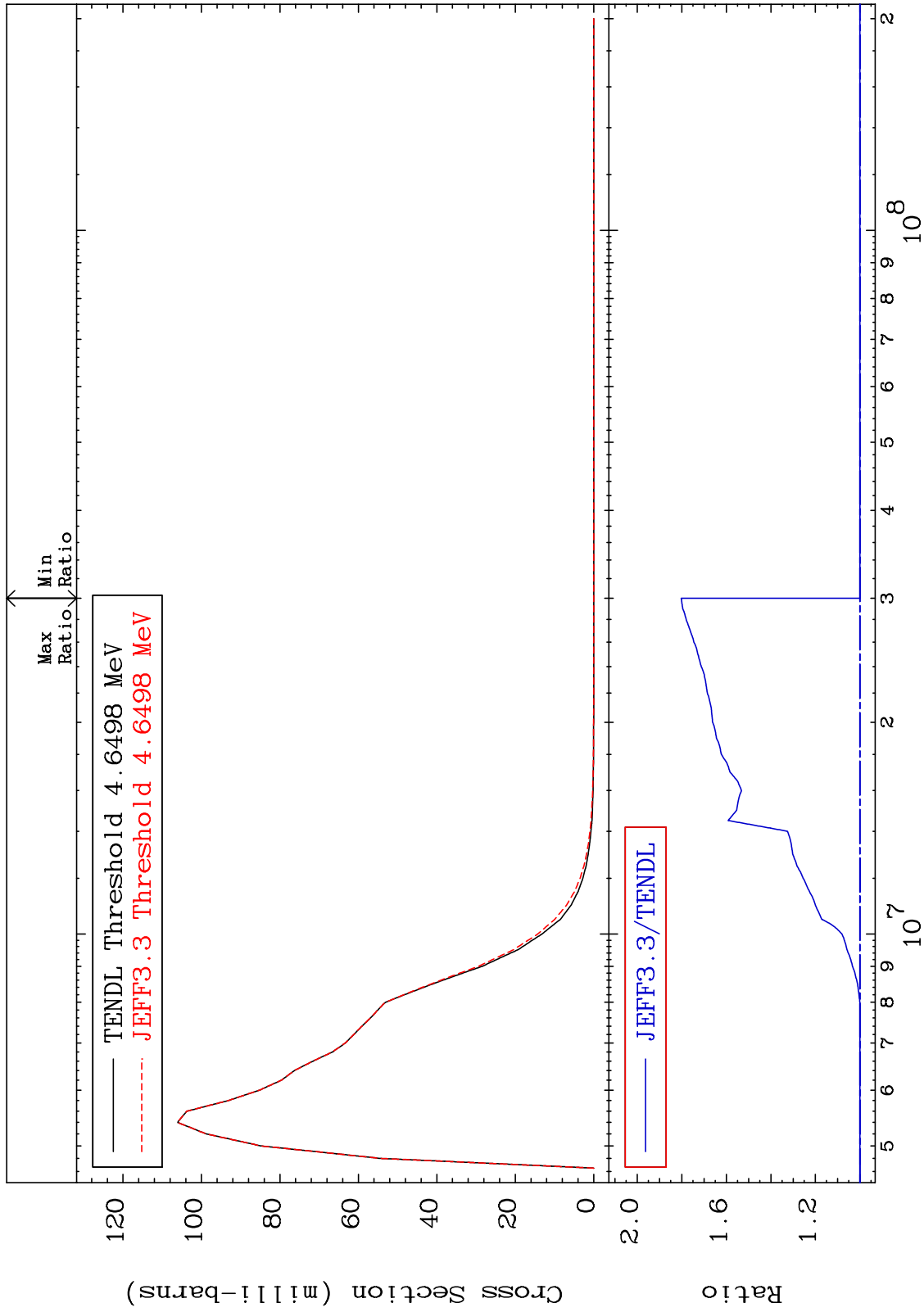
Incident Energy (eV)

16-S -36

MAT 1637

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

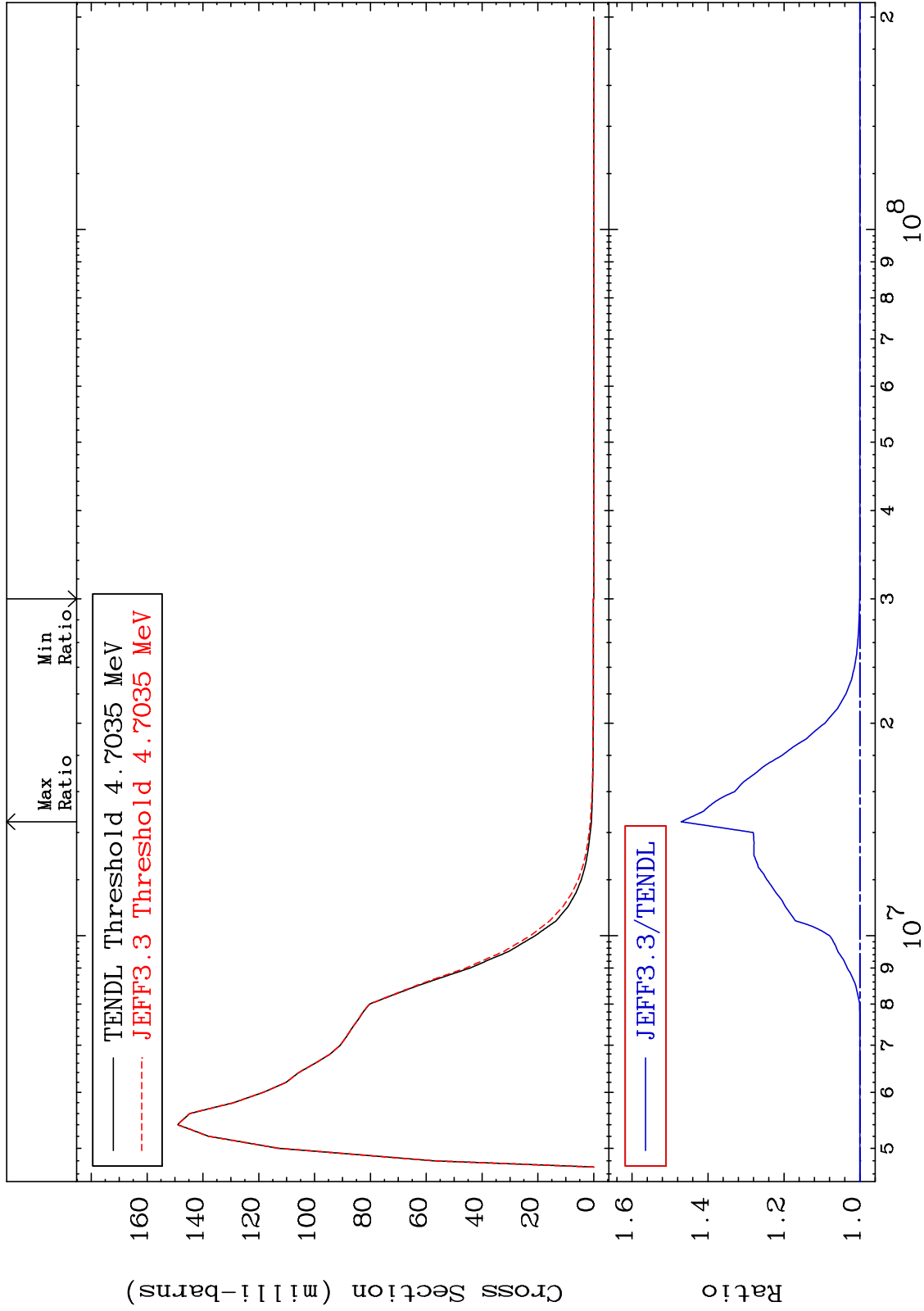
0.000 To 80.27 %
16-S -36

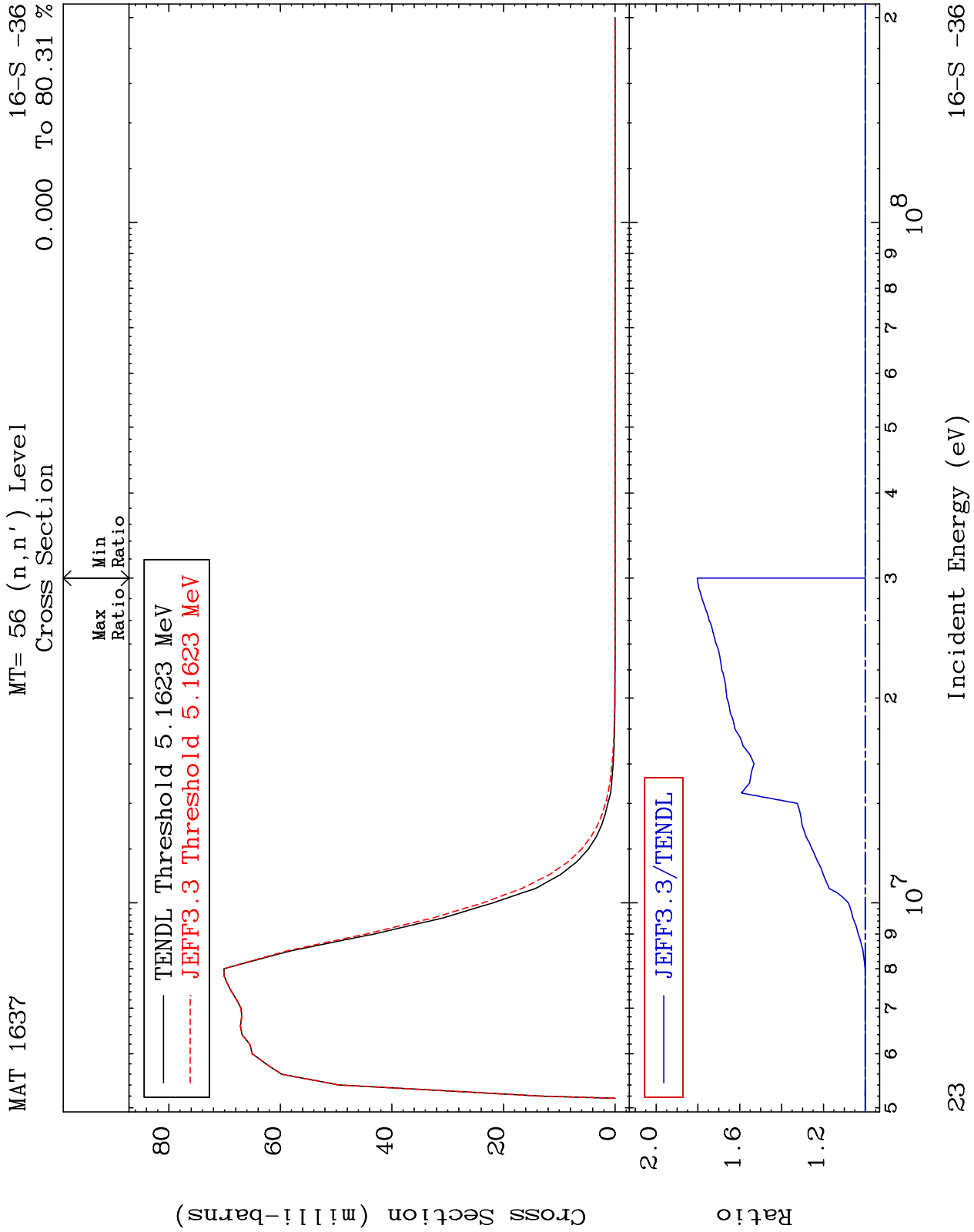


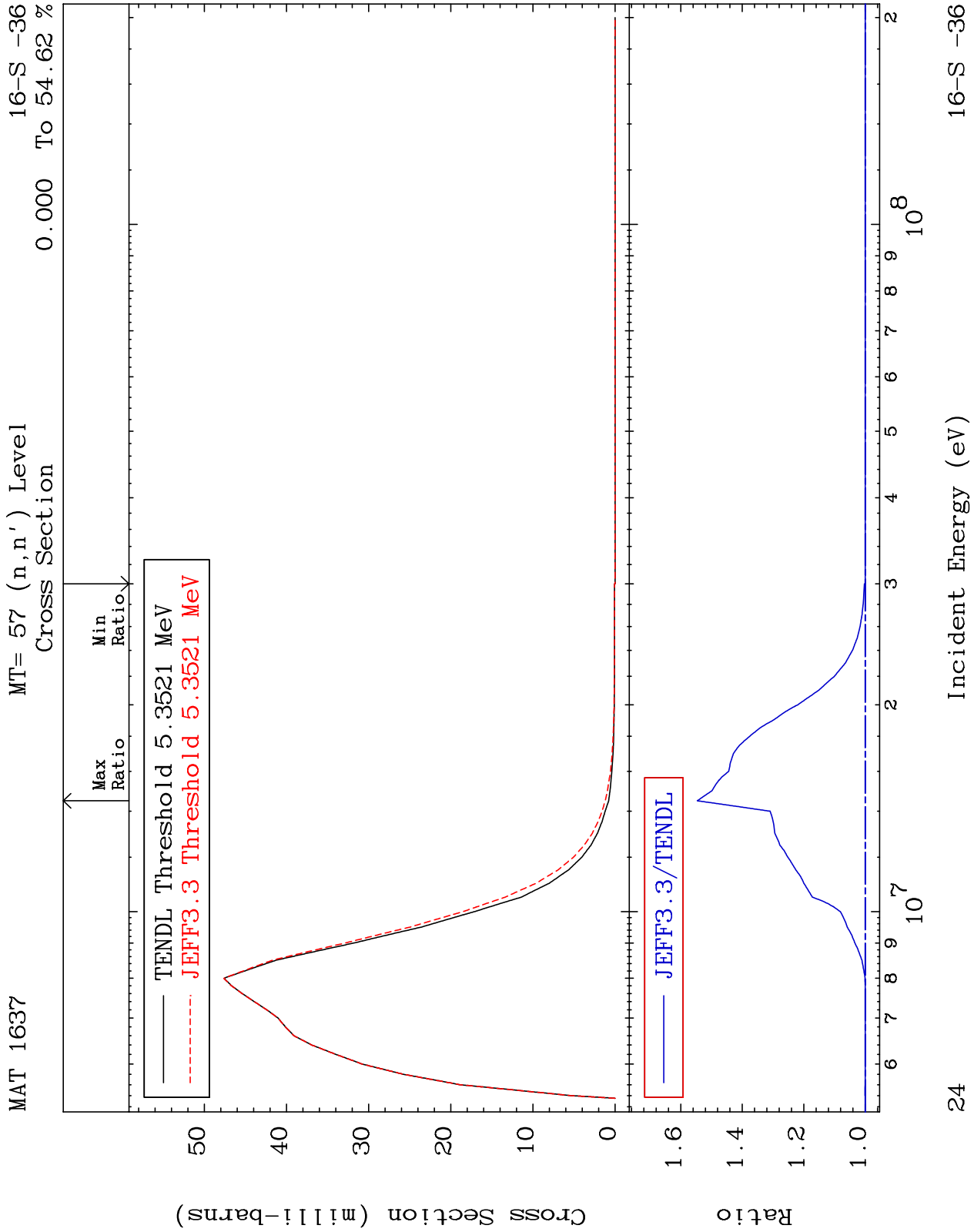
MAT 1637

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

16-S -36
0.000 To 47.05 %



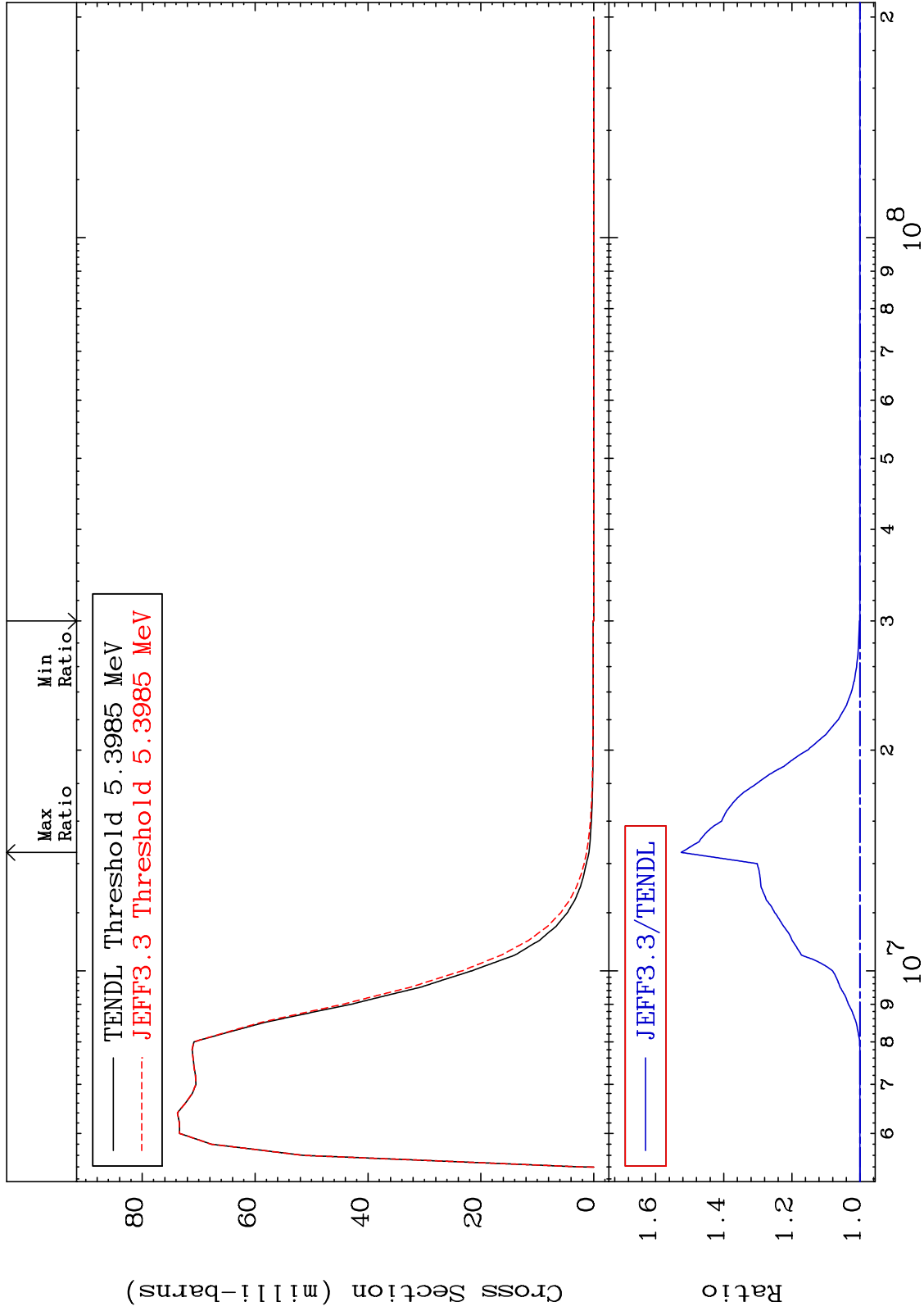




MAT 1637

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

0.000 To 52.49 %
16-S -36



25

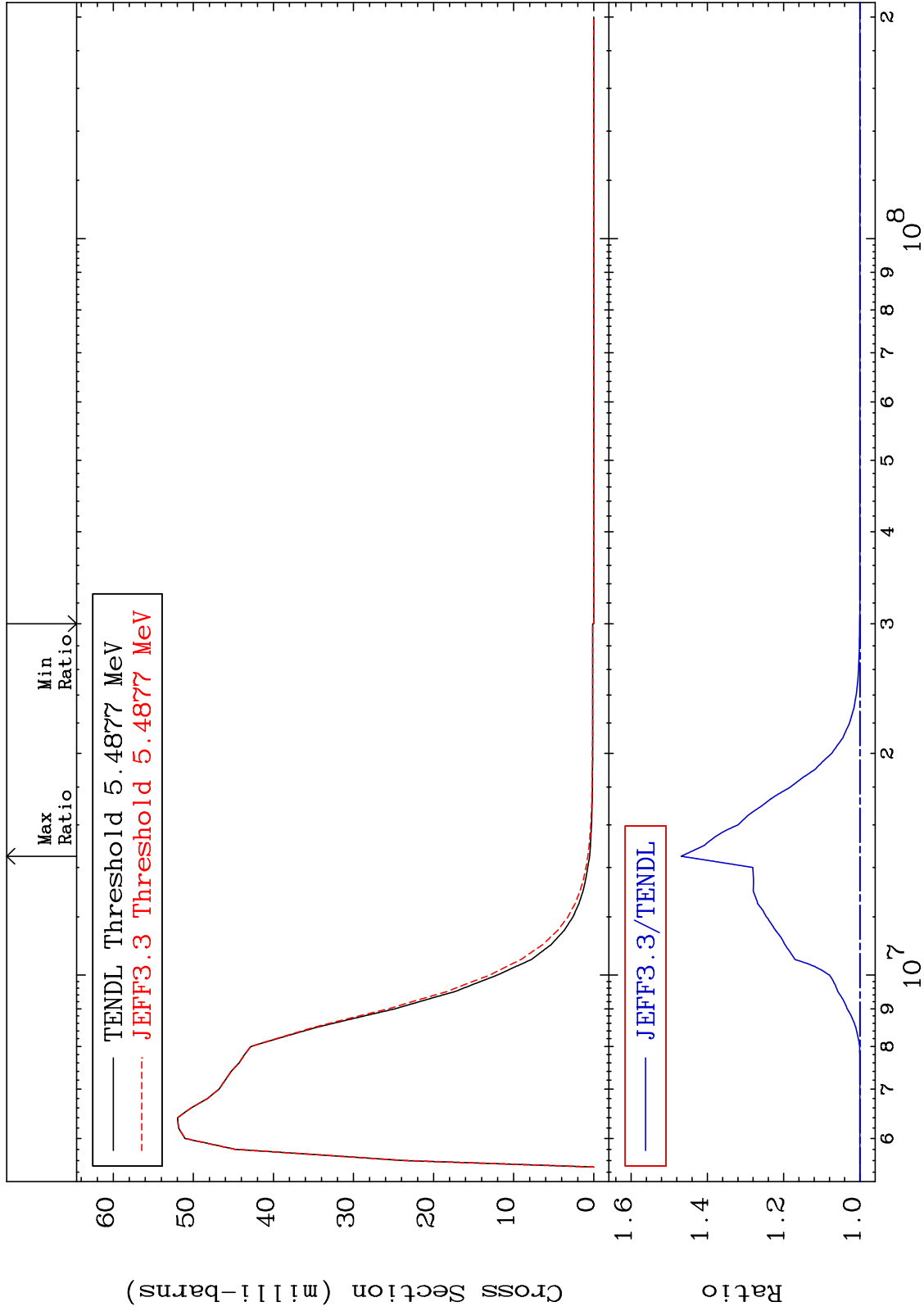
Incident Energy (eV)

16-S -36

MAT 1637

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

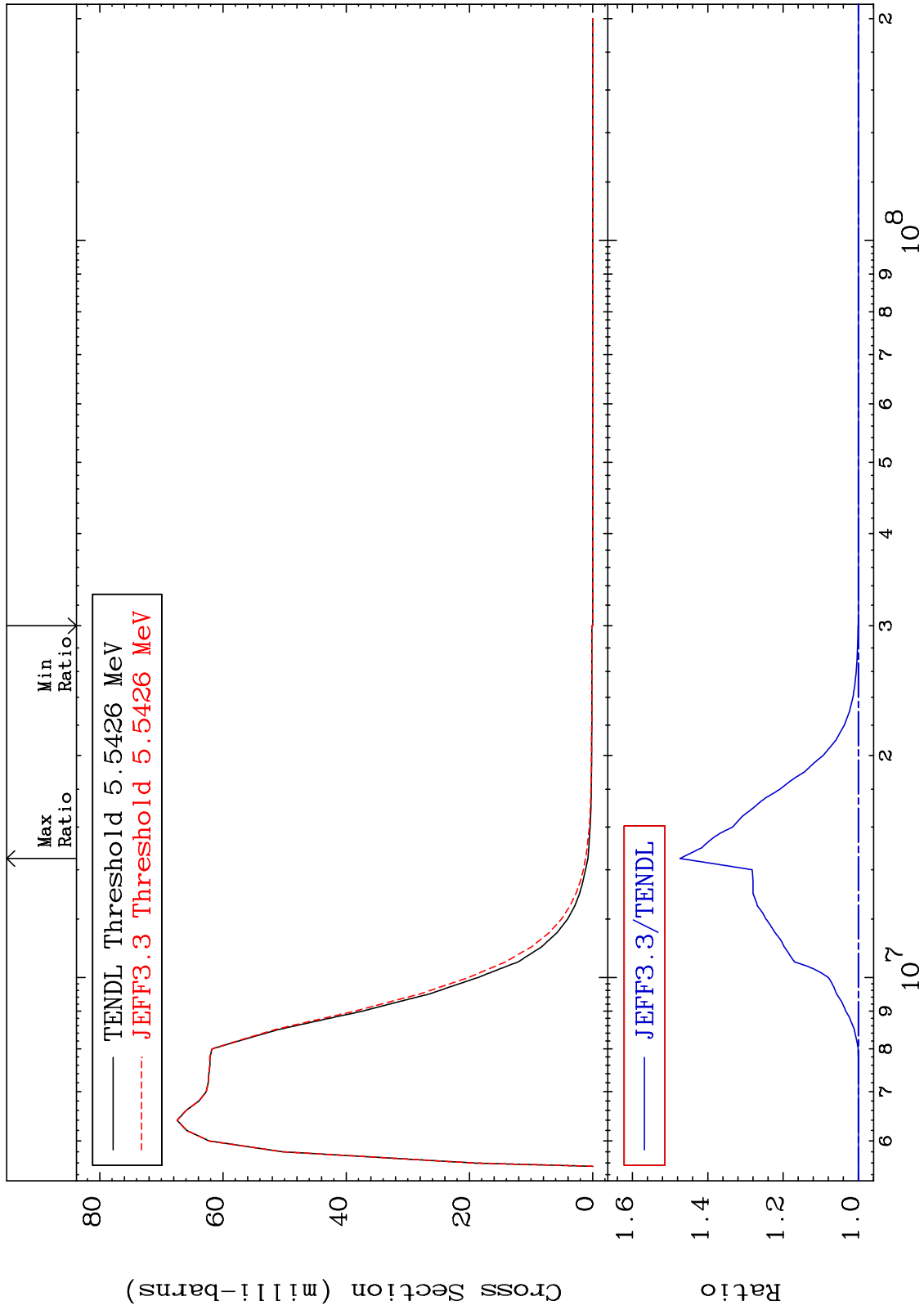
16-S -36
0.000 To 46.85 %



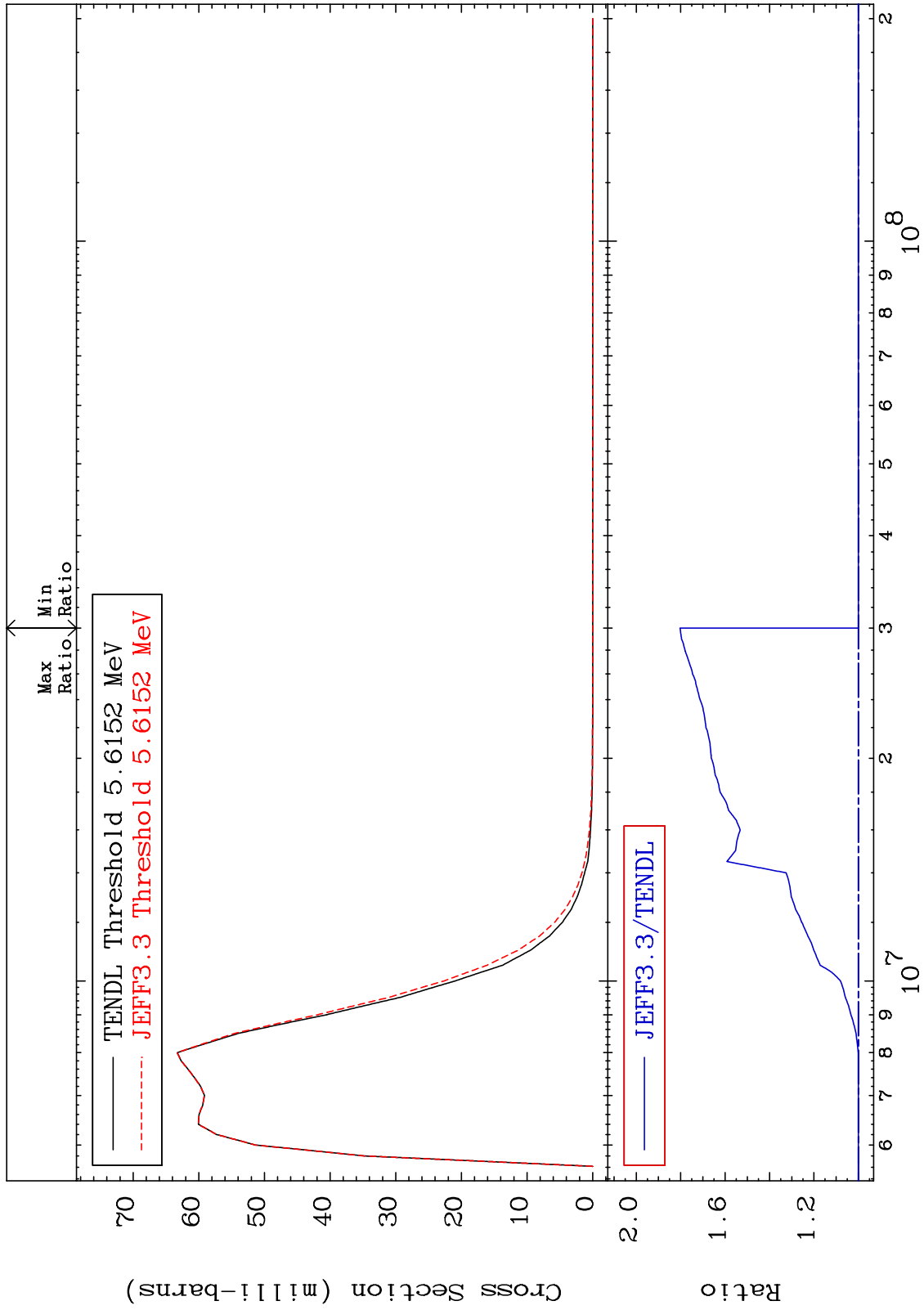
26

16-S -36

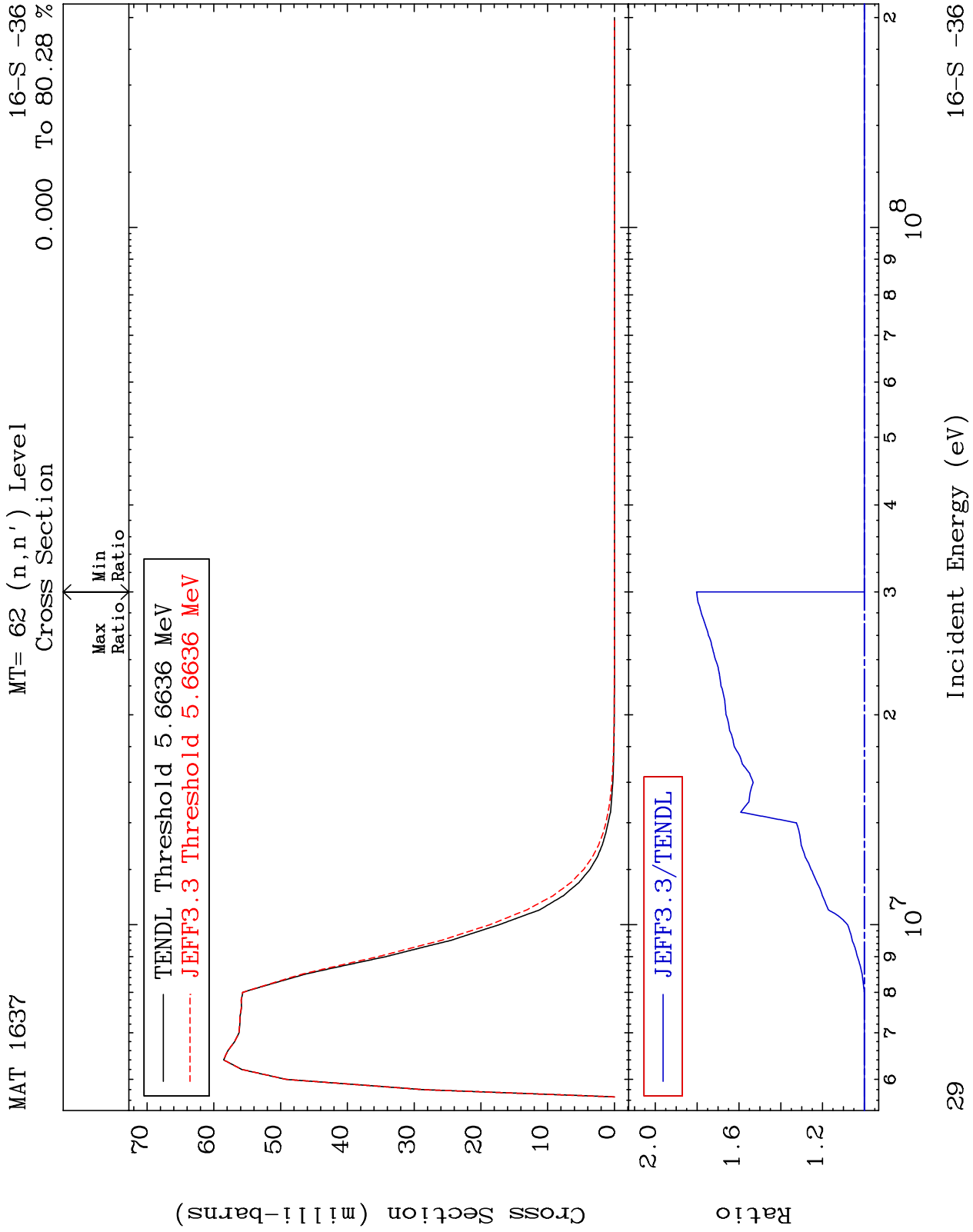
MAT 1637 MT= 60 (n,n') Level Cross Section 16-S -36 To 47.37 %



MAT 1637 MT= 61 (n,n') Level Cross Section 0.000 To 80.29 % 16-S -36



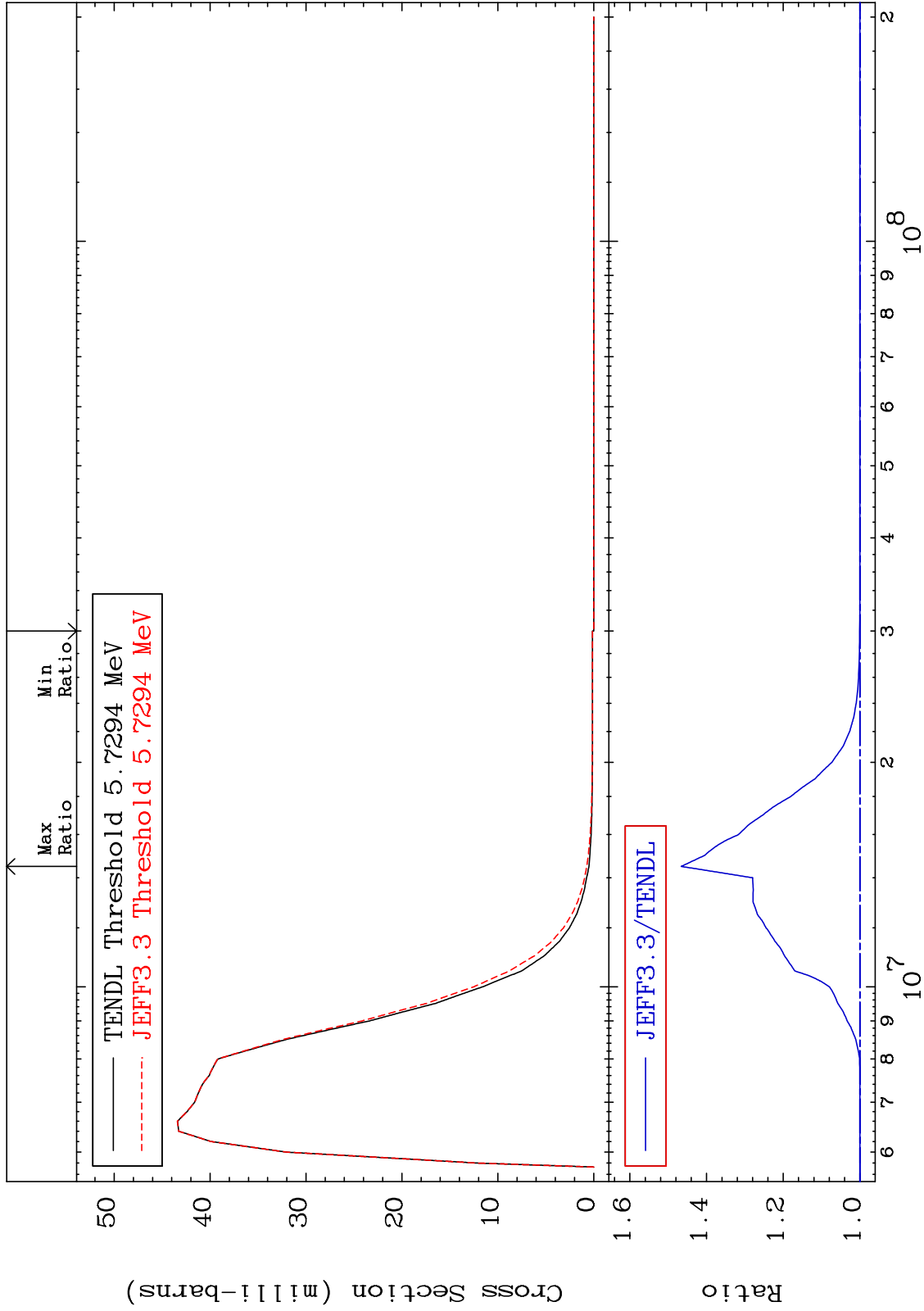
28 Incident Energy (eV) 16-S -36



MAT 1637

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

16-S -36
0.000 To 46.61 %



30

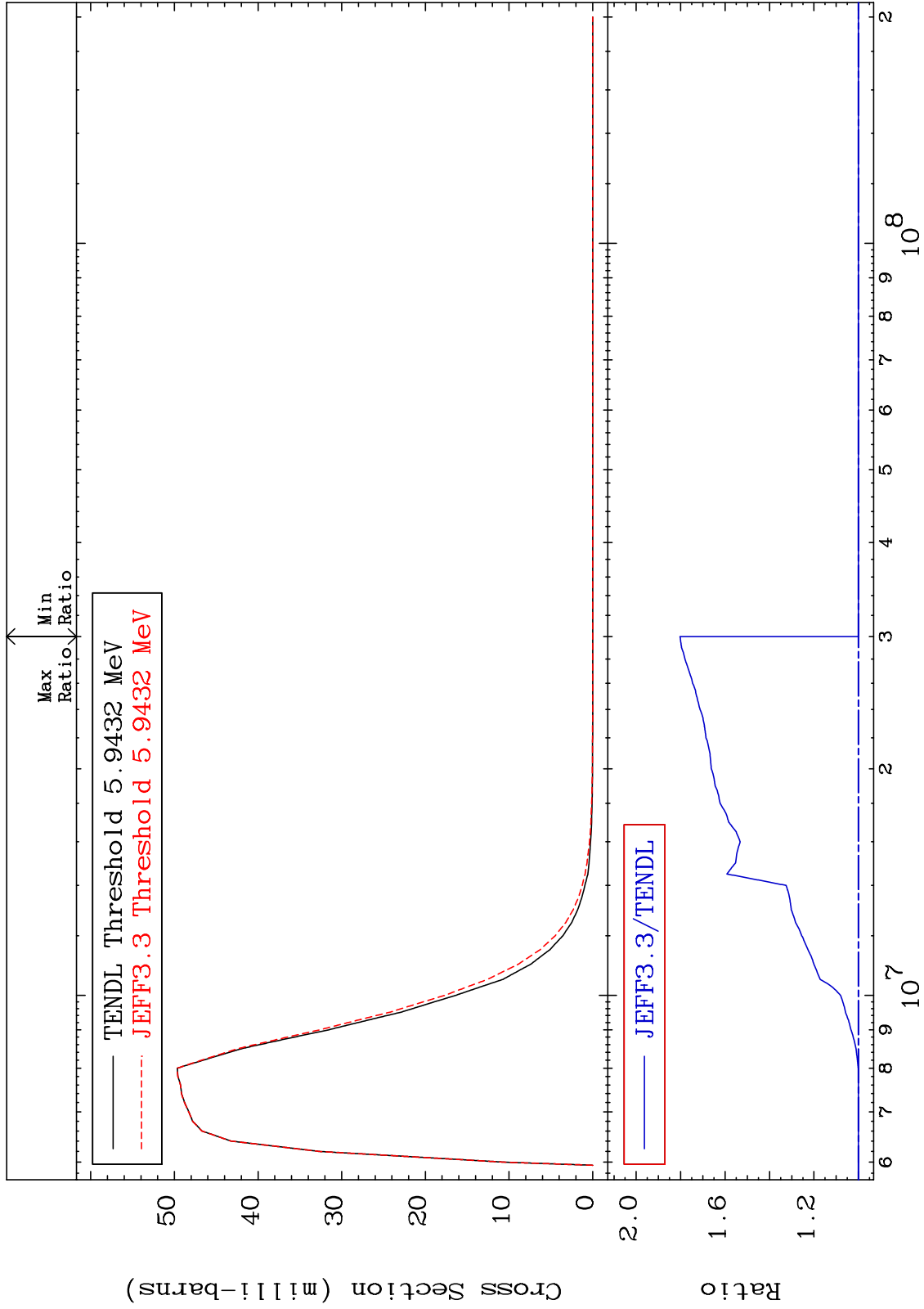
Incident Energy (eV)

16-S -36

MAT 1637

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

0.000 To 80.28 %
16-S -36



31

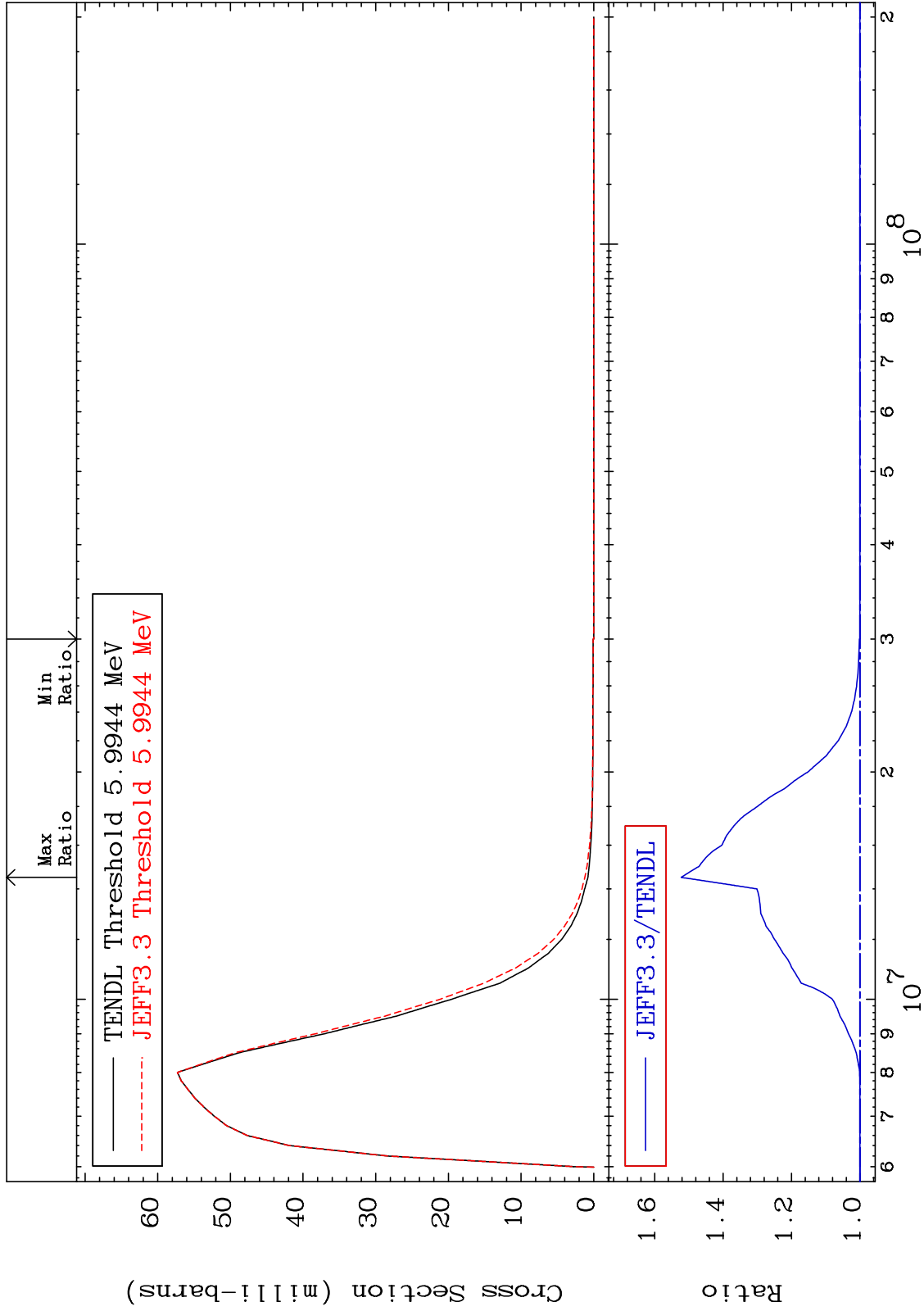
Incident Energy (eV)

16-S -36

MAT 1637

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

0.000 To 52.24 %
16-S -36



32

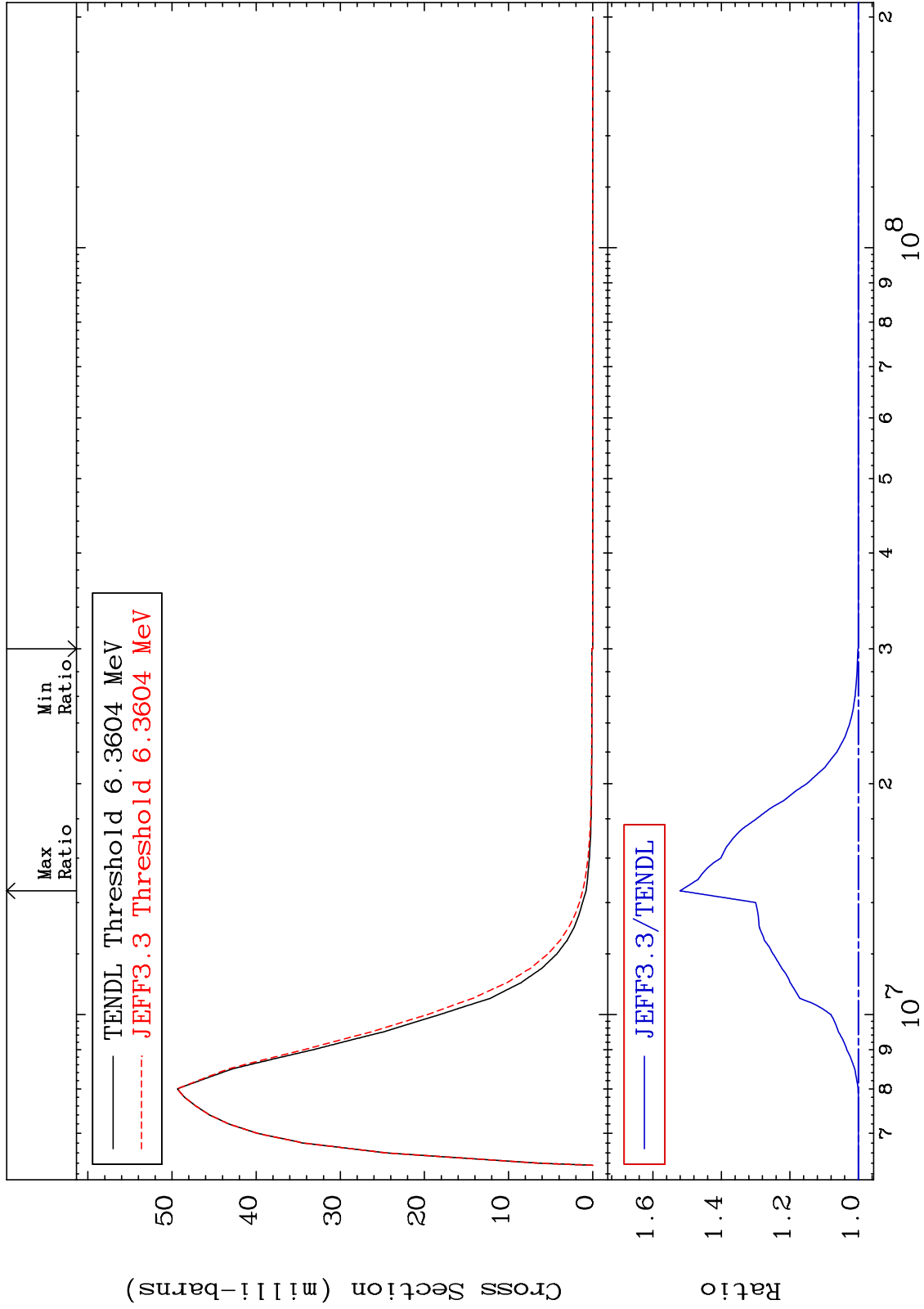
Incident Energy (eV)

16-S -36

MAT 1637

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

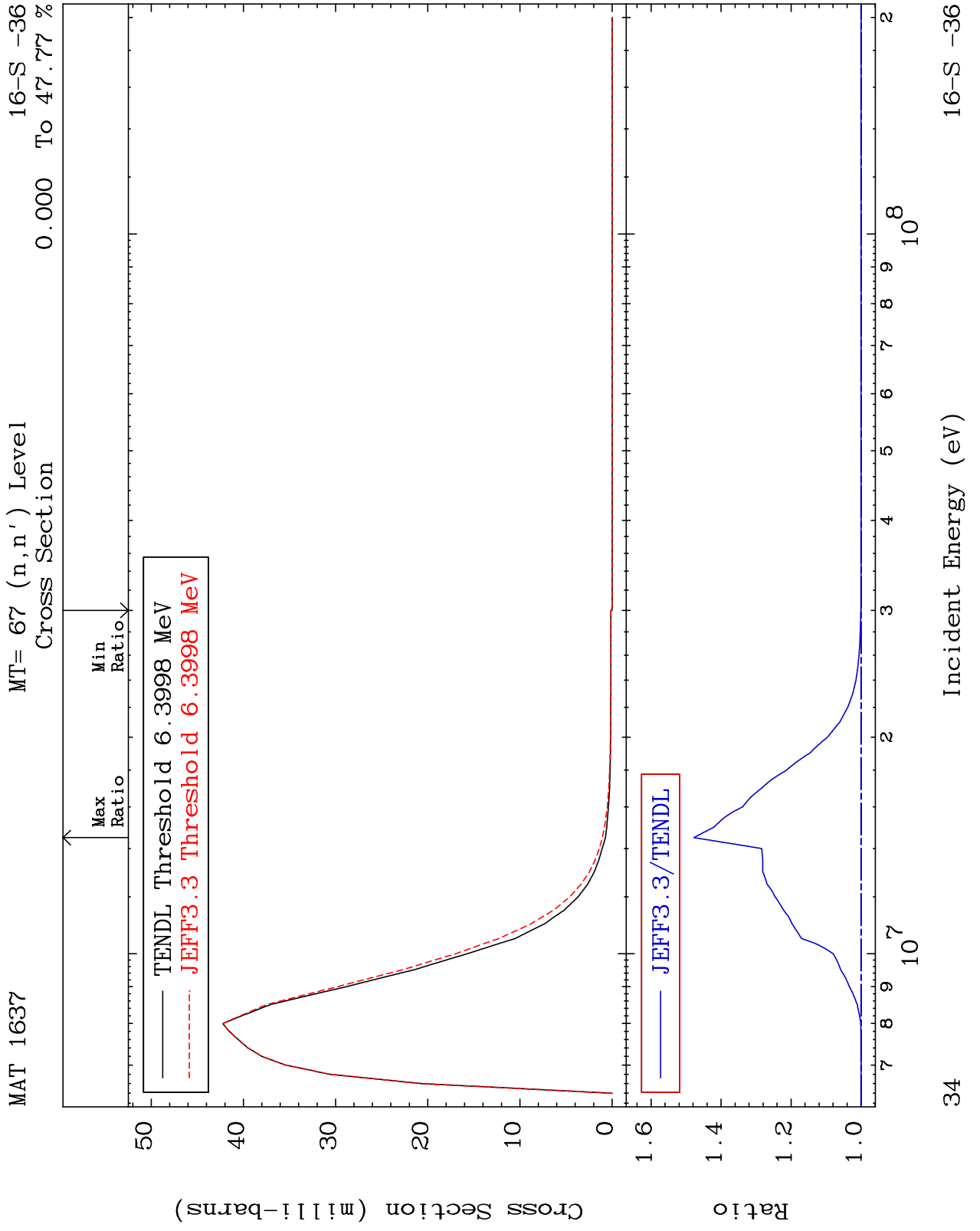
16-S -36
0.000 To 52.07 %



33

Incident Energy (eV)

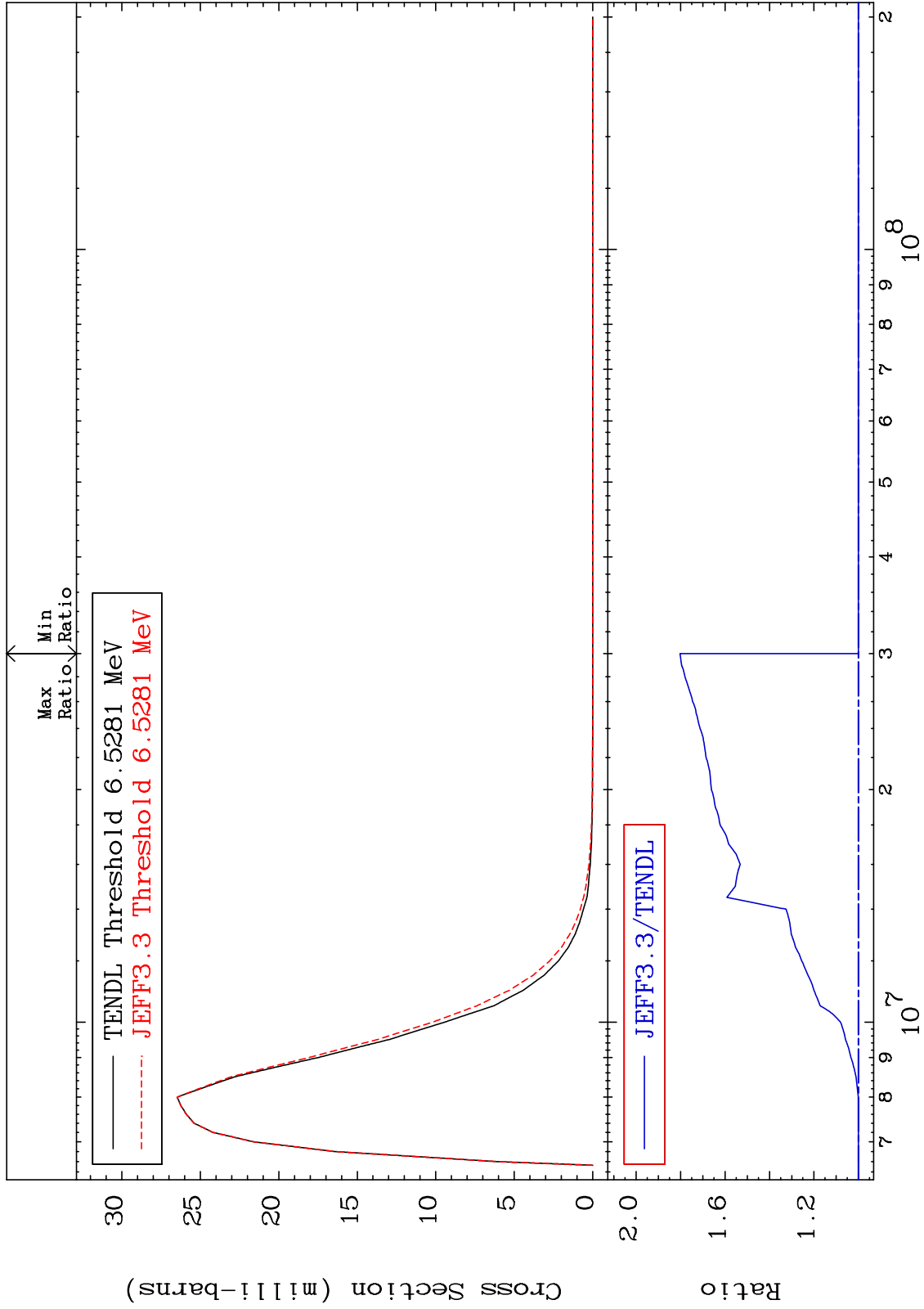
16-S -36



MAT 1637

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

0.000 To 80.26 %
16-S -36

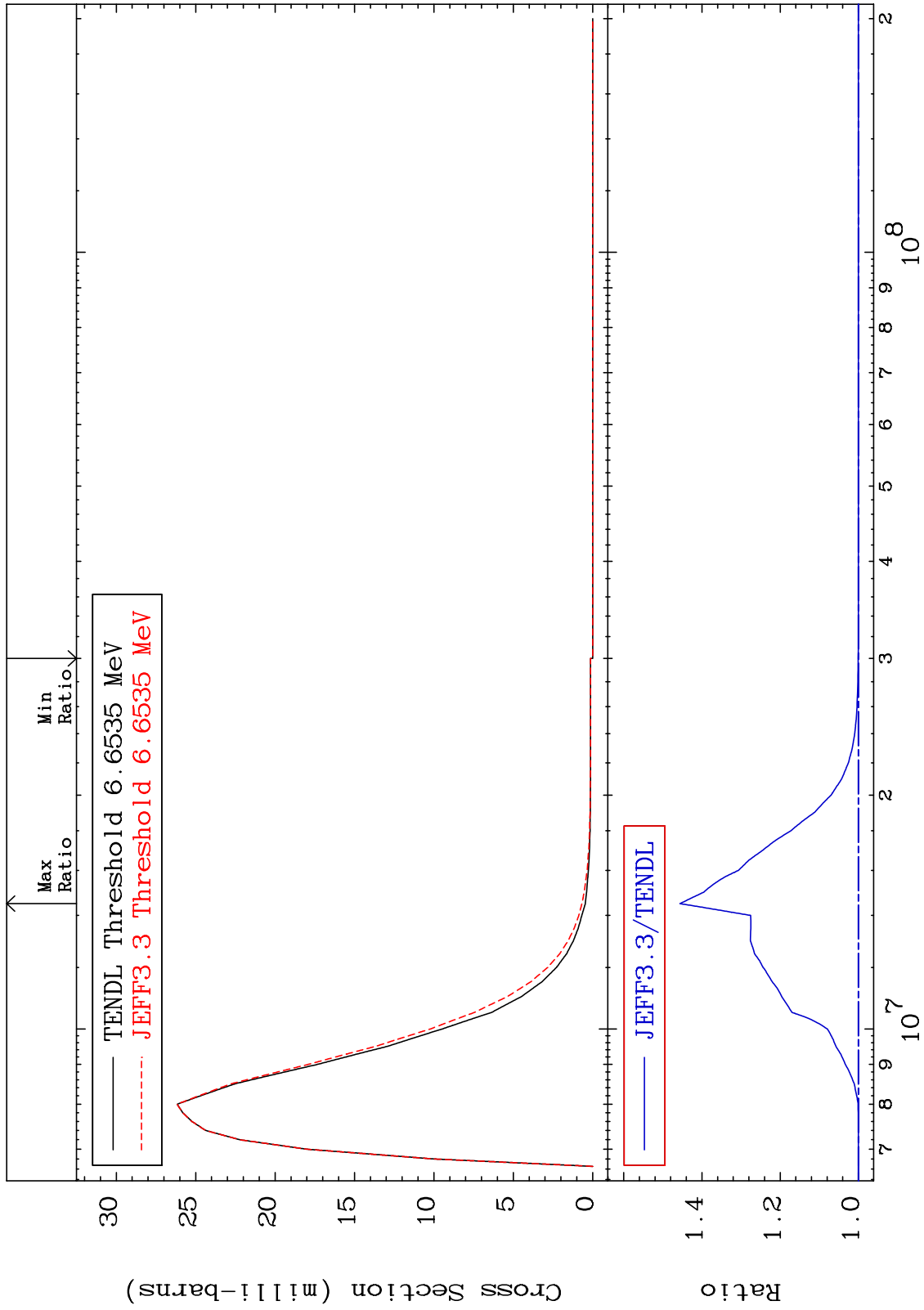


35

Incident Energy (eV)

16-S -36

MAT 1637 MT= 69 (n,n') Level
Cross Section 0.000 To 45.61 % 16-S -36



16-S -36

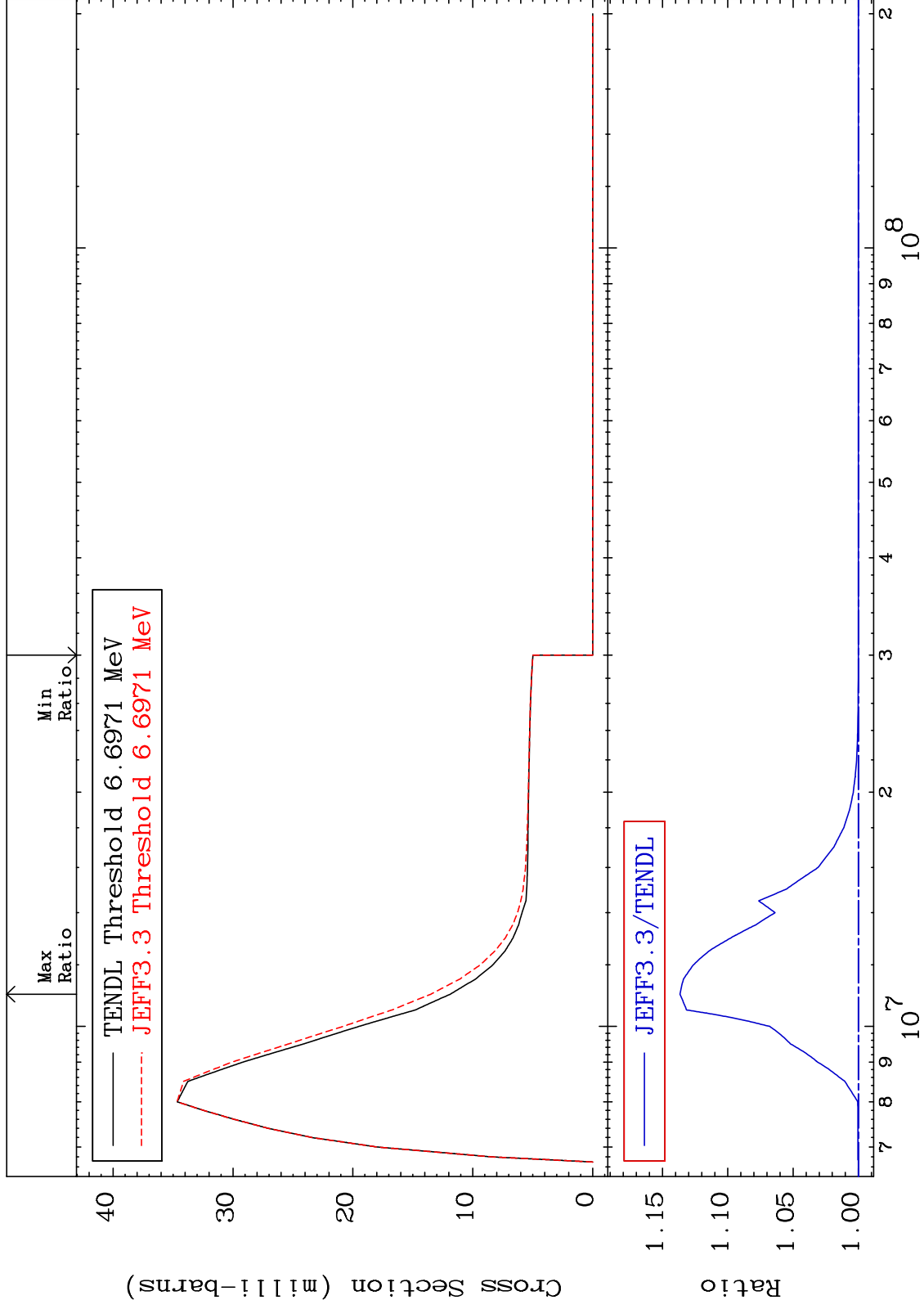
Incident Energy (eV)

36

MAT 1637

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

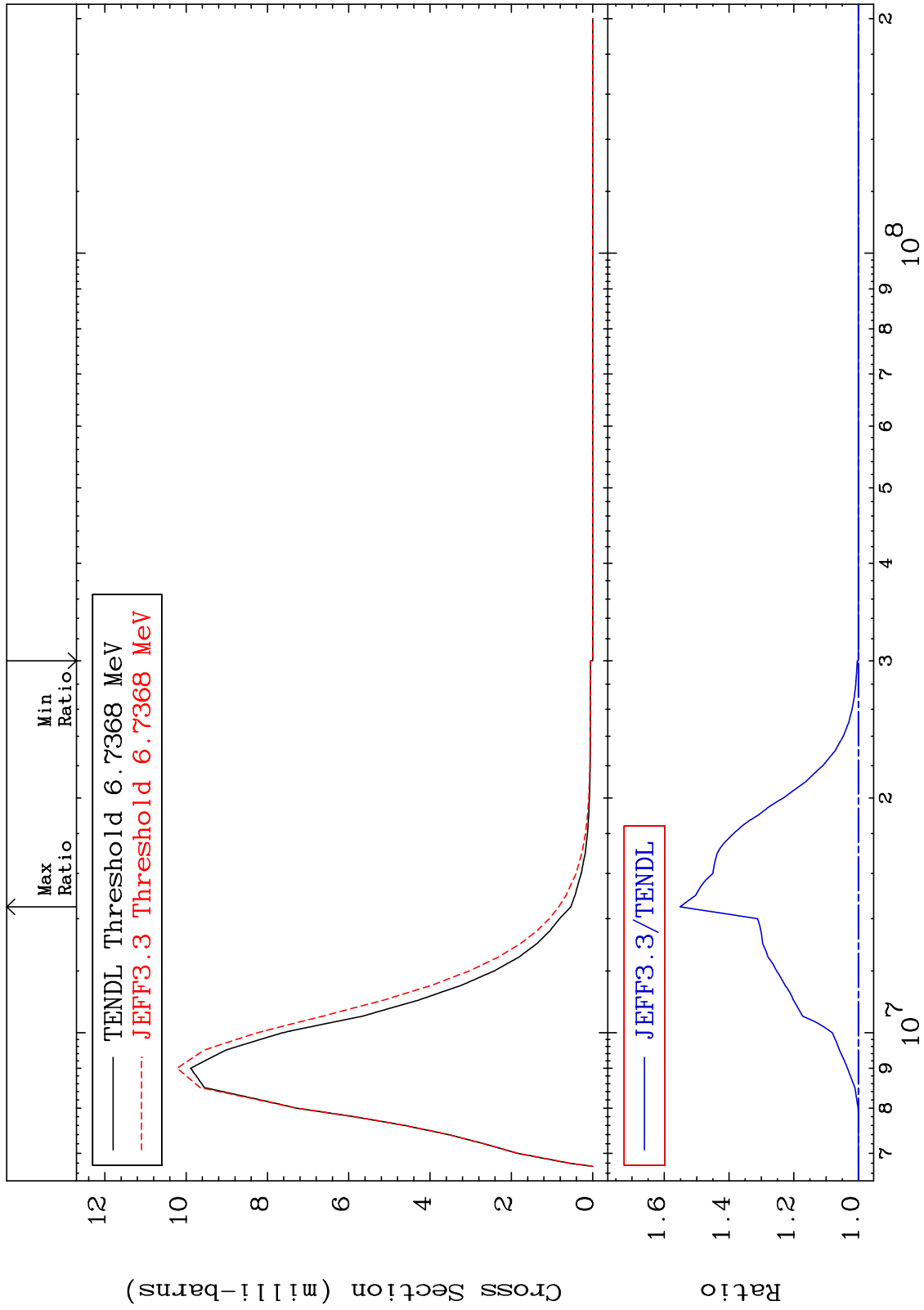
16-S -36
0.000 To 13.66 %



37

16-S -36

MAT 1637 MT= 71 (n,n') Level
Cross Section 0.000 To 55.15 % 16-S -36



16-S -36

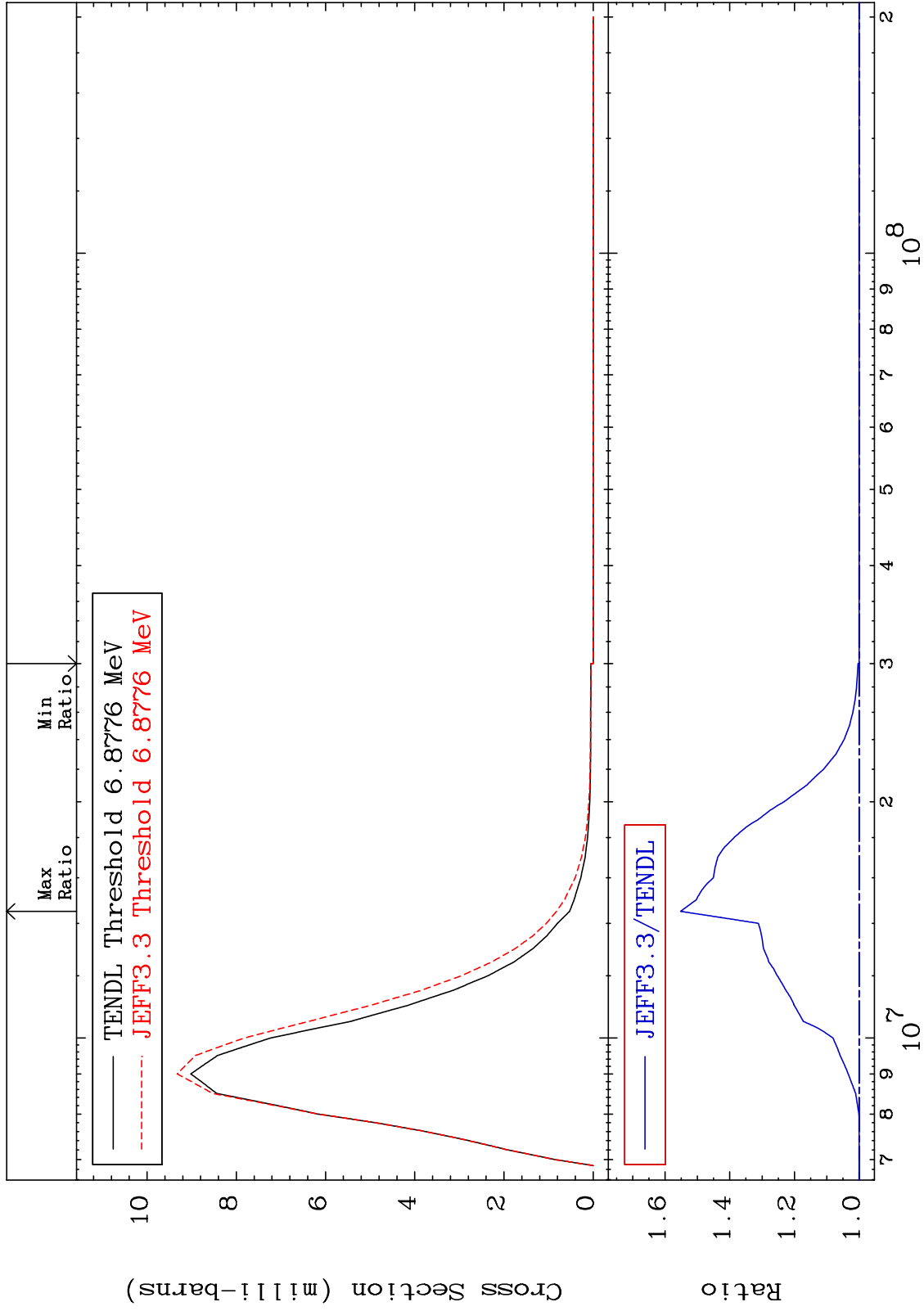
Incident Energy (eV)

38

MAT 1637

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

0.000 To 55.19 %
16-S -36

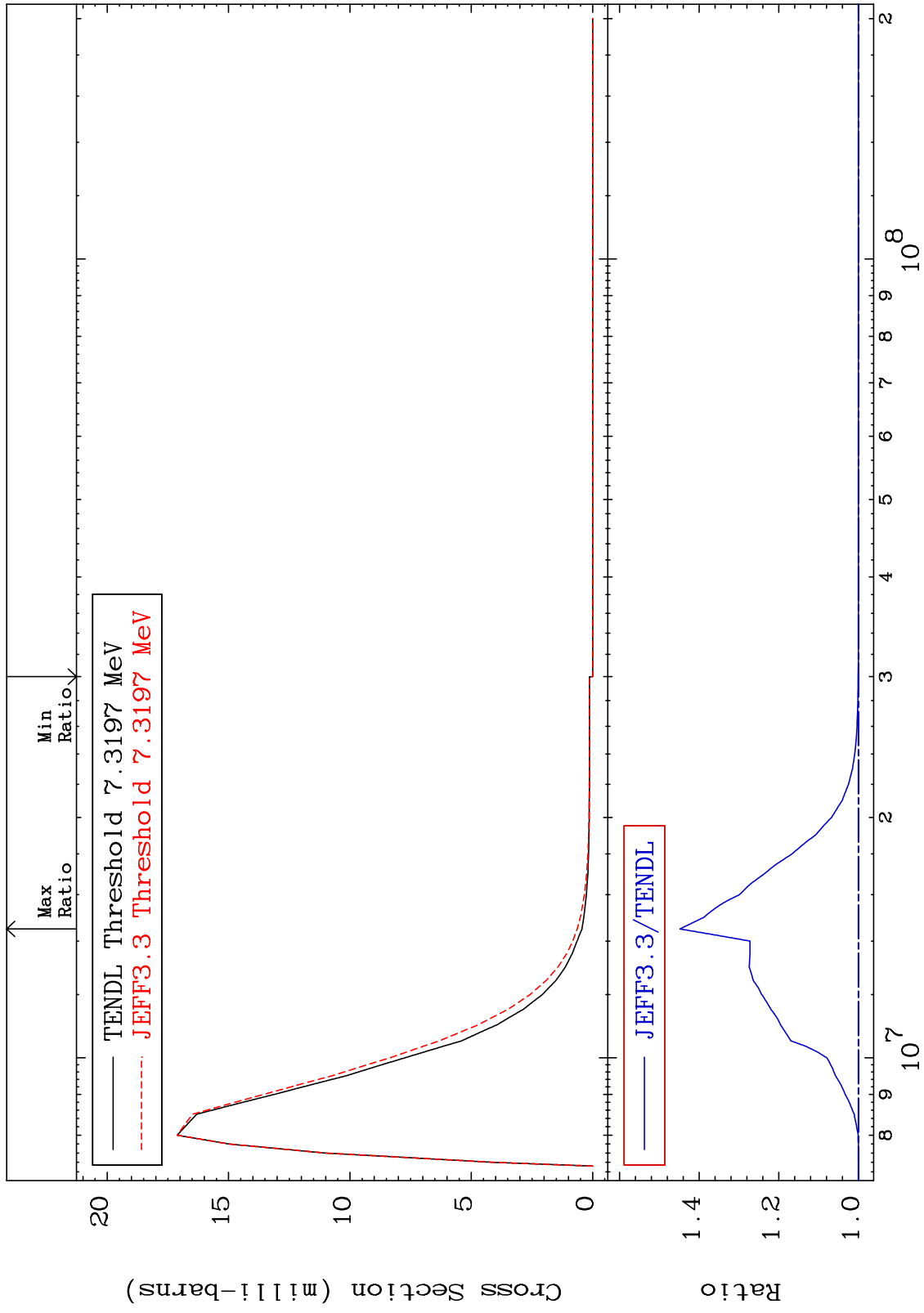


39

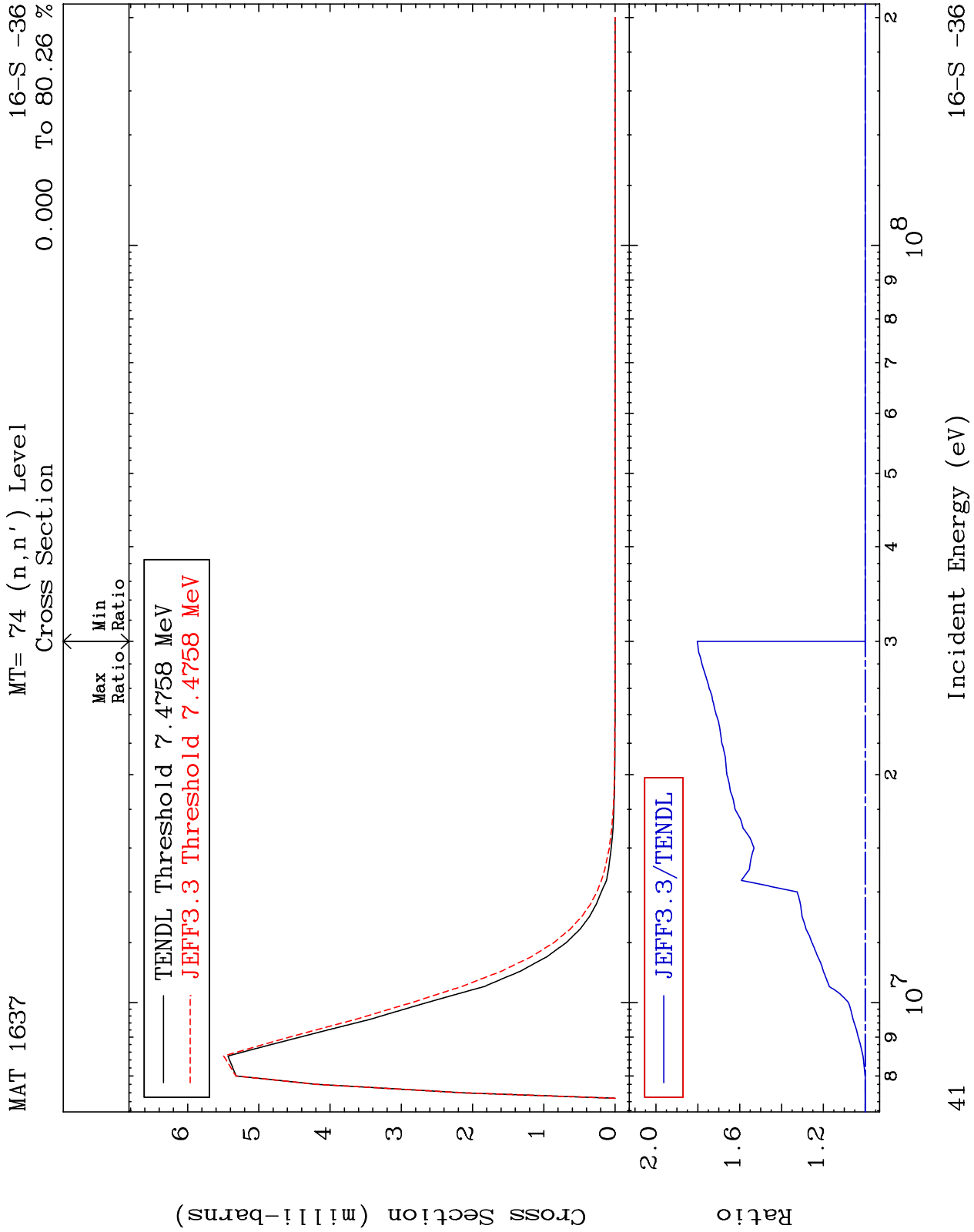
Incident Energy (eV)

16-S -36

MAT 1637 MT= 73 (n,n') Level Cross Section 16-S -36 To 44.80 %



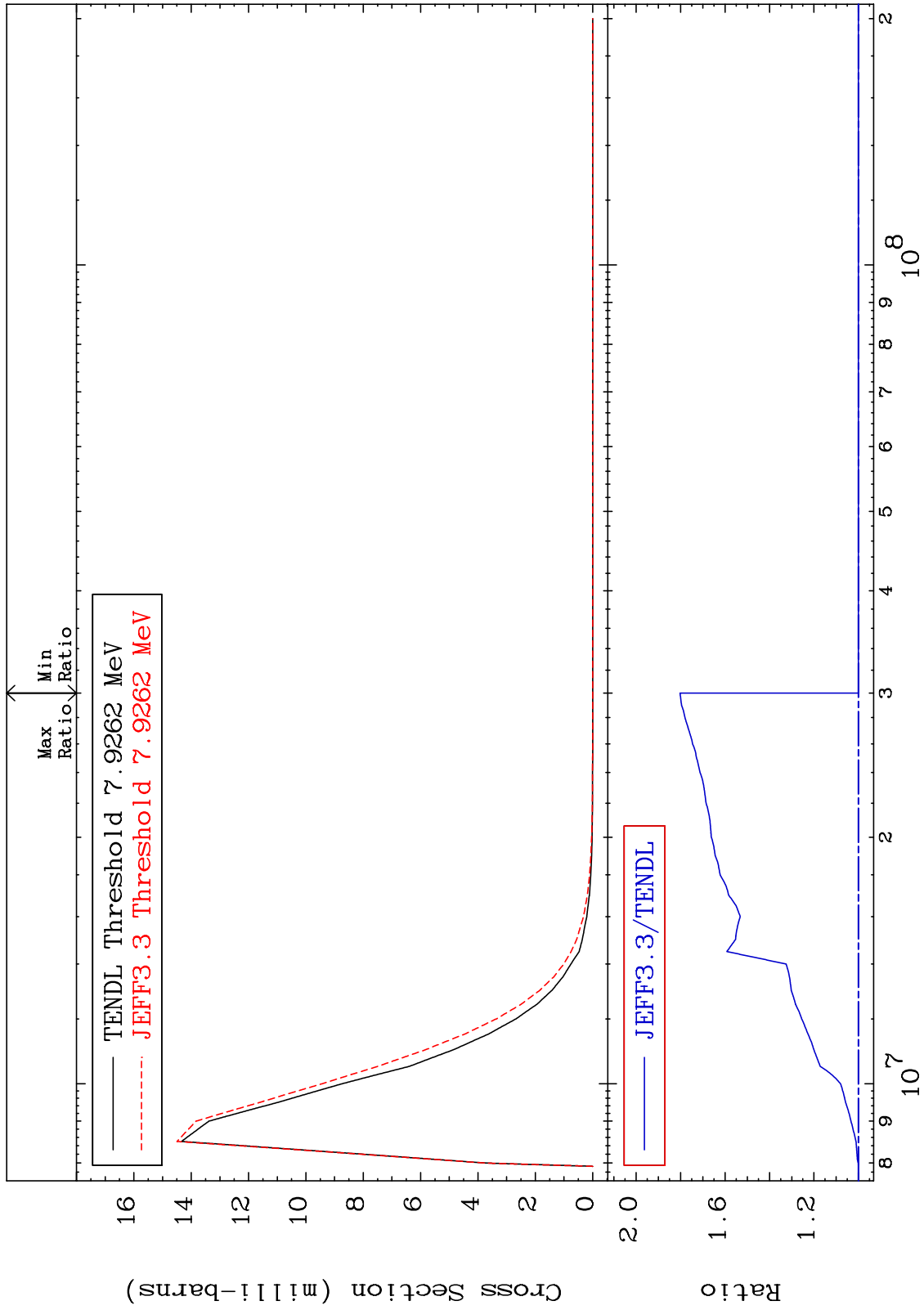
40 16-S -36



MAT 1637

MT= 75 (n,n') Level
Cross Section

16-S -36
0.000 To 80.27 %



42

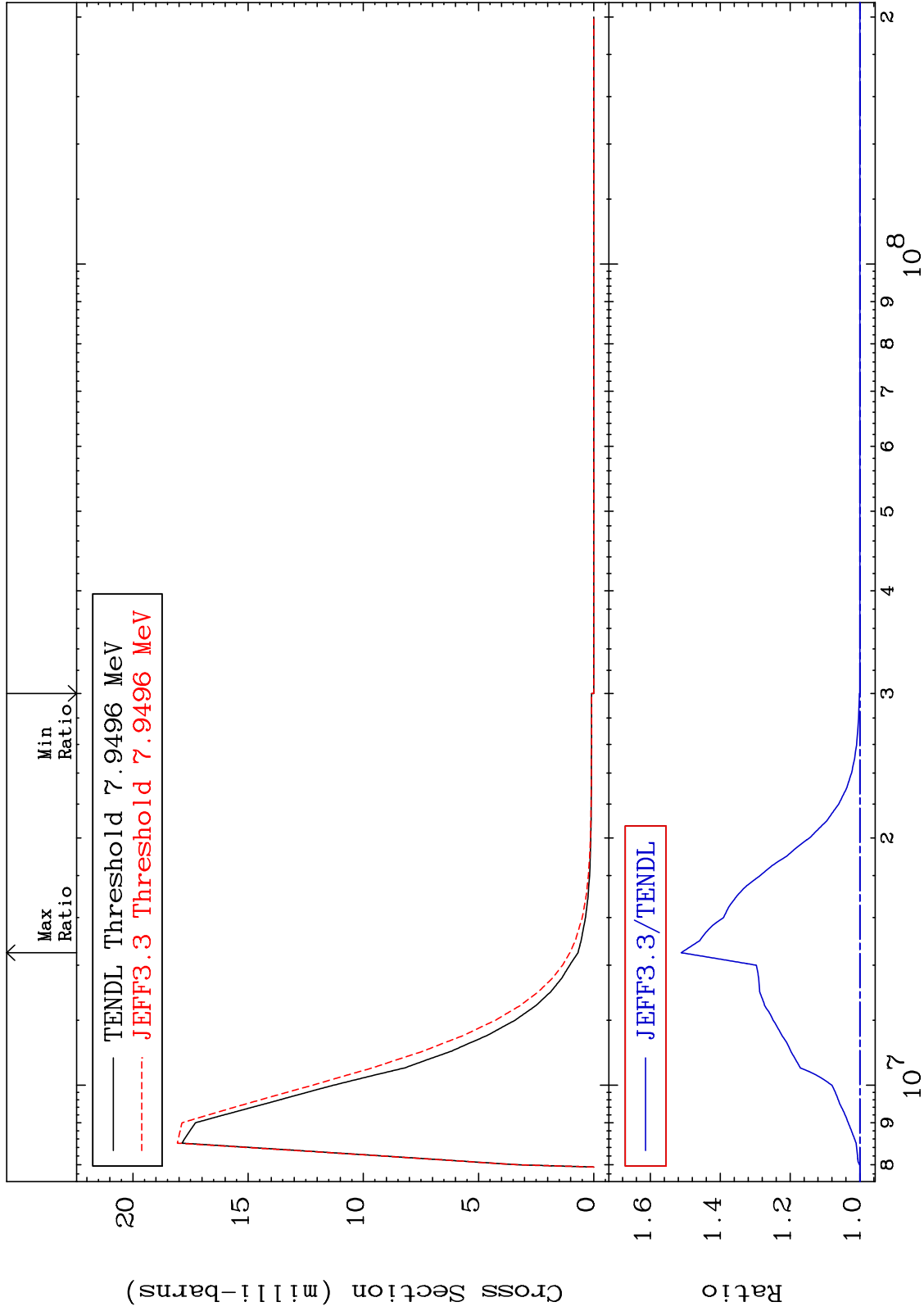
Incident Energy (eV)

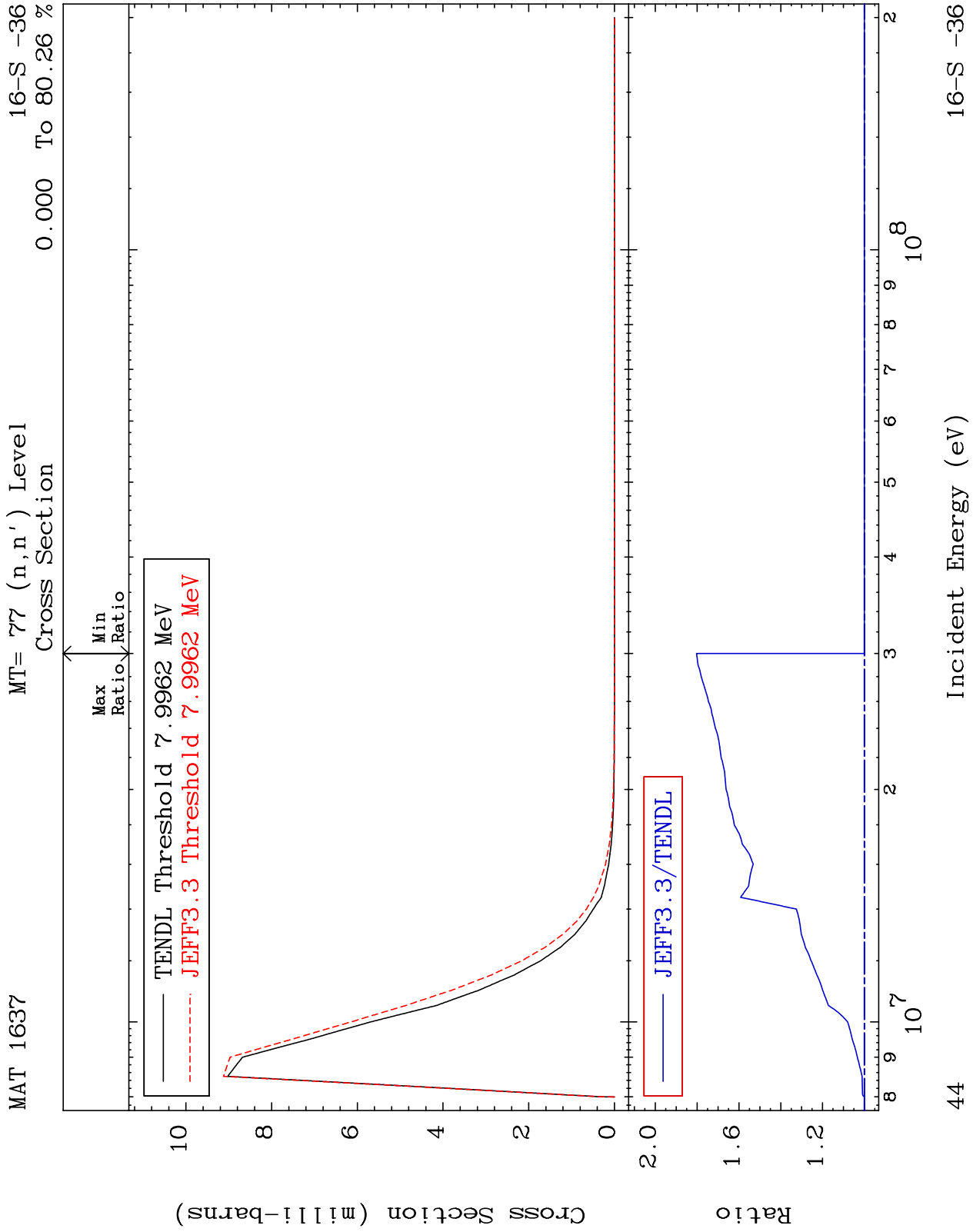
16-S -36

MAT 1637

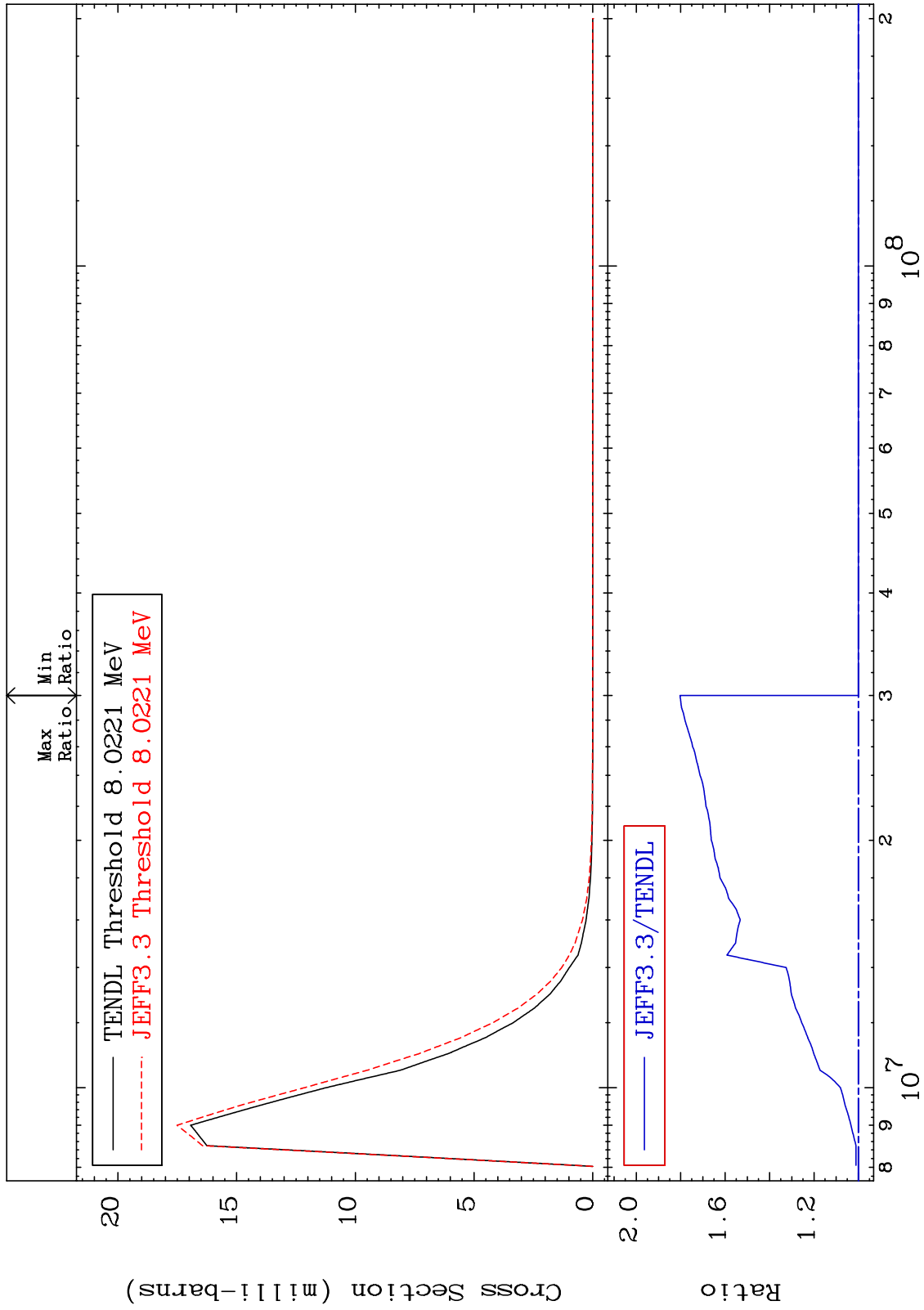
MT= 76 (n,n') Level
Cross Section

16-S -36
0.000 To 51.18 %



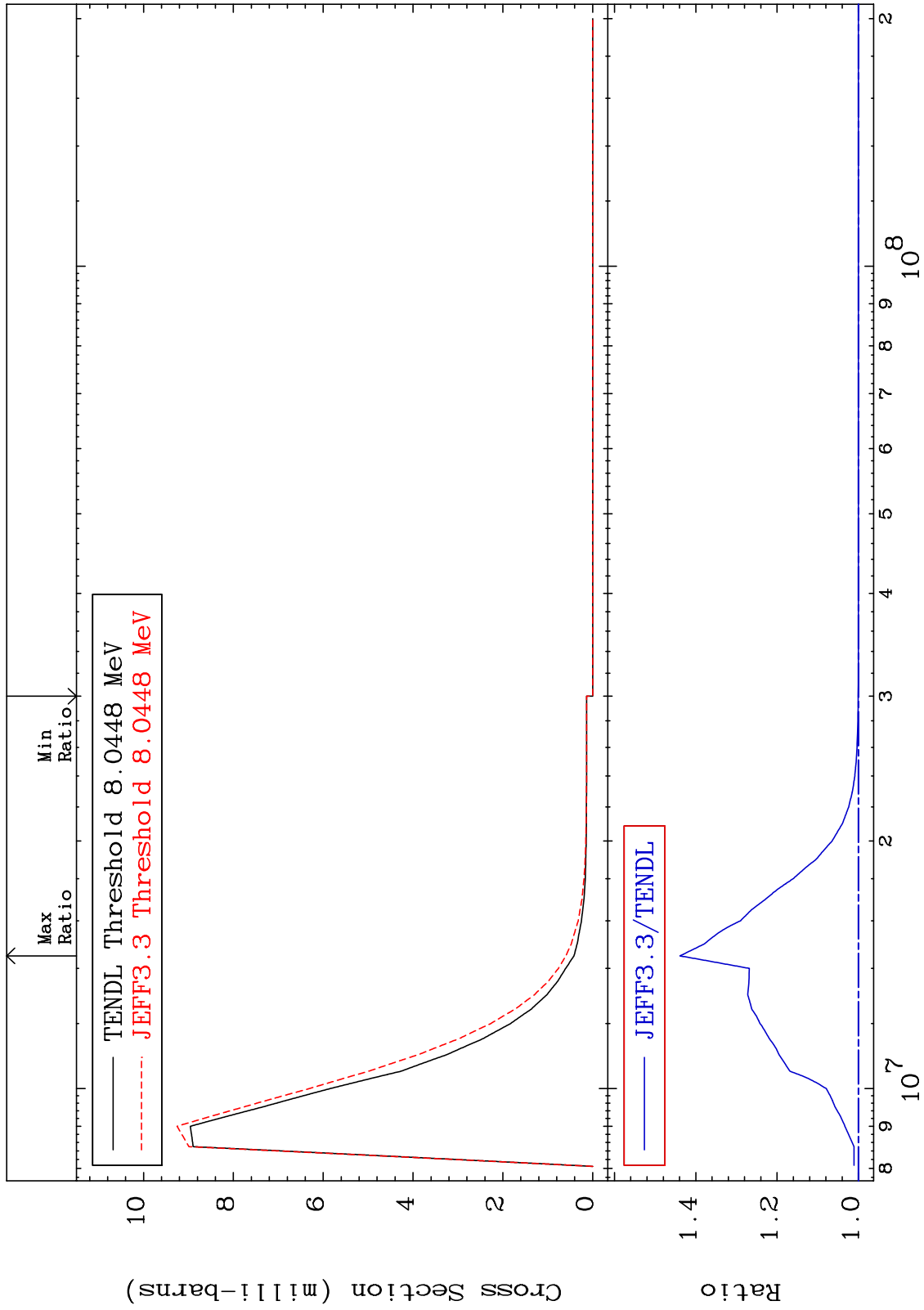


MAT 1637 MT= 78 (n,n') Level Cross Section 16-S -36 To 80.31 %

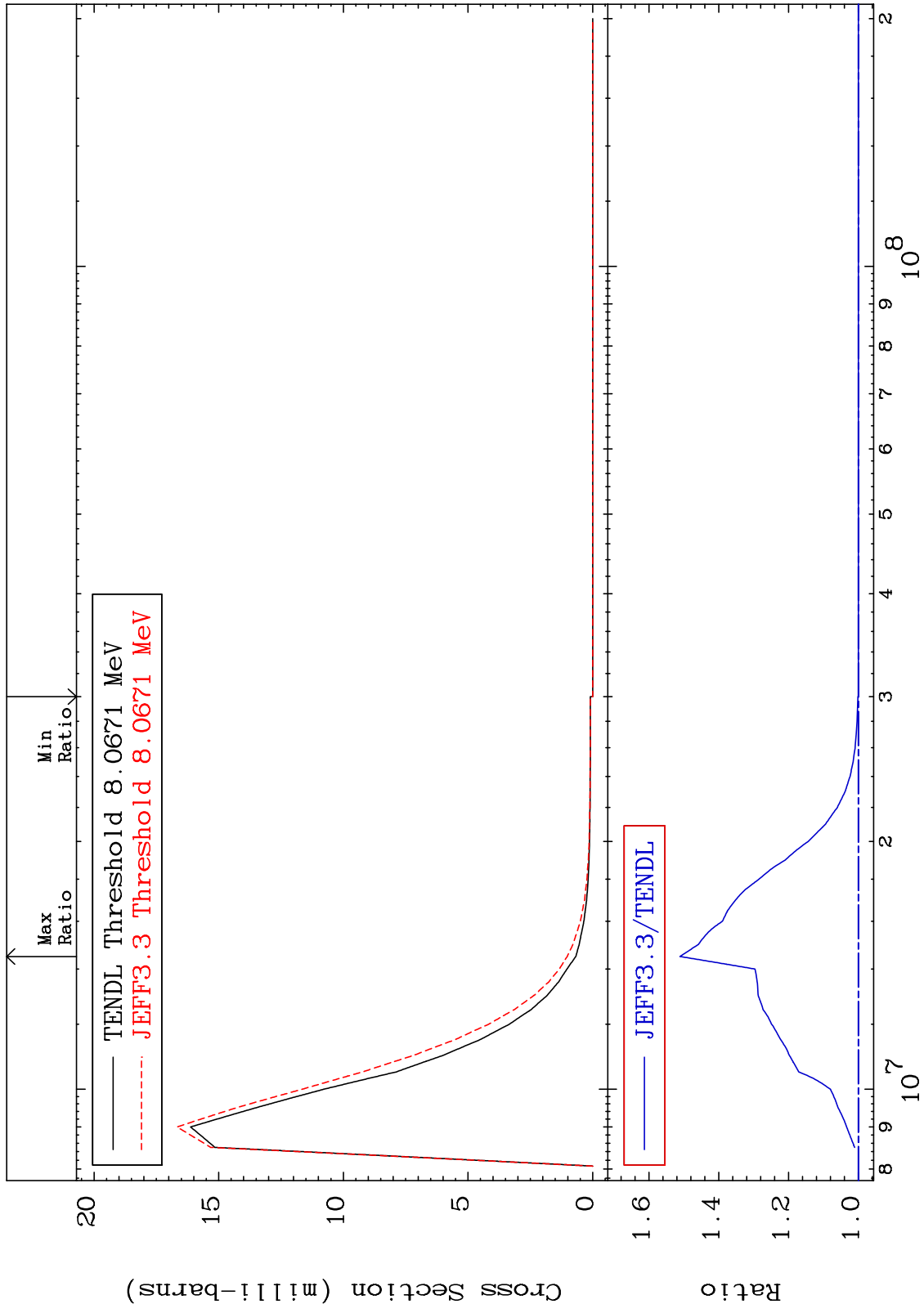


45 Incident Energy (eV) 16-S -36

MAT 1637 MT= 79 (n,n') Level Cross Section 16-S -36 To 43.88 %



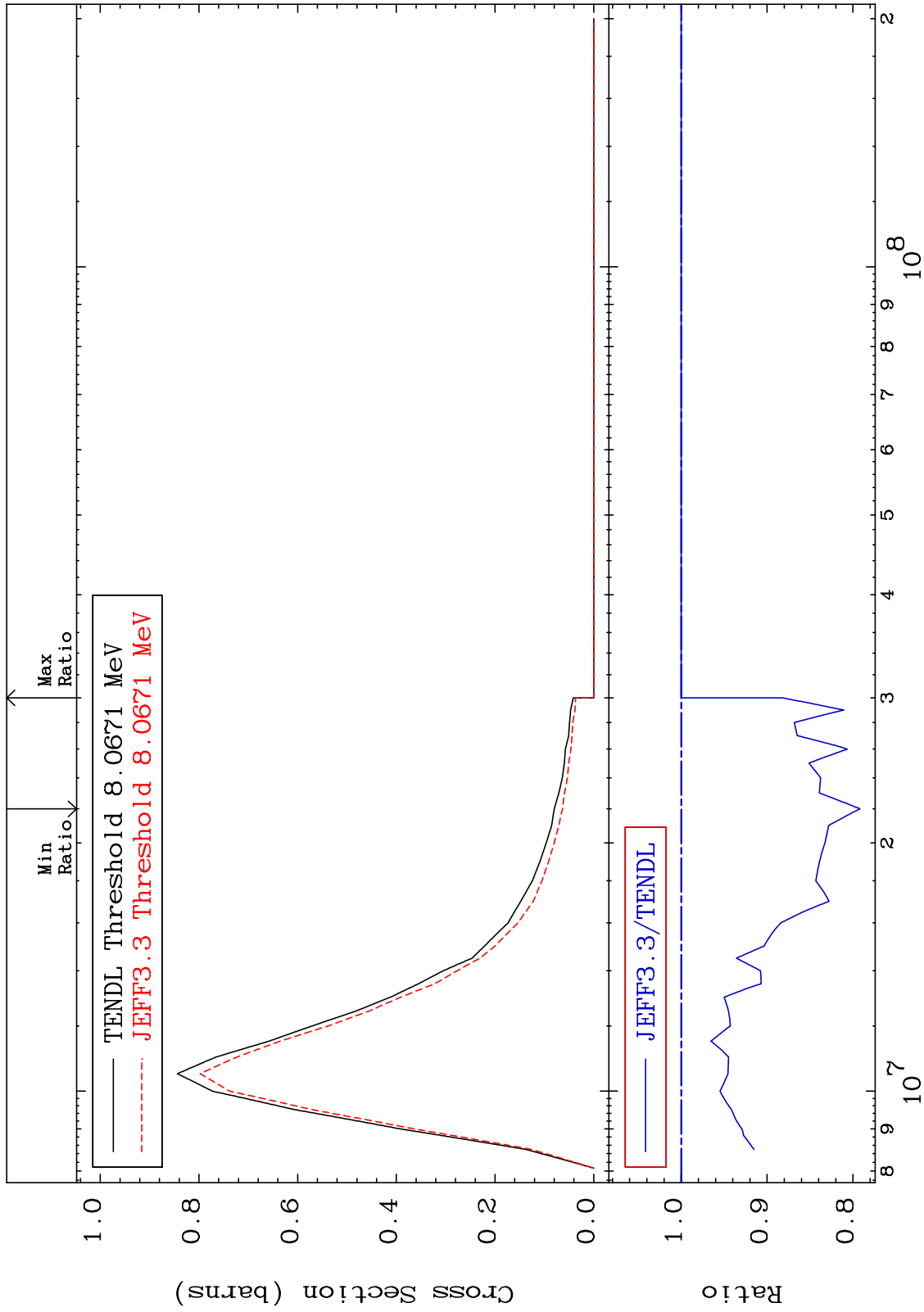
MAT 1637 MT= 80 (n,n') Level Cross Section 16-S -36 To 51.11 %



MAT 1637

(n, n') Continuum
Cross Section

16-S -36
-20.81 To 0.000 %



48

Incident Energy (eV)

16-S -36

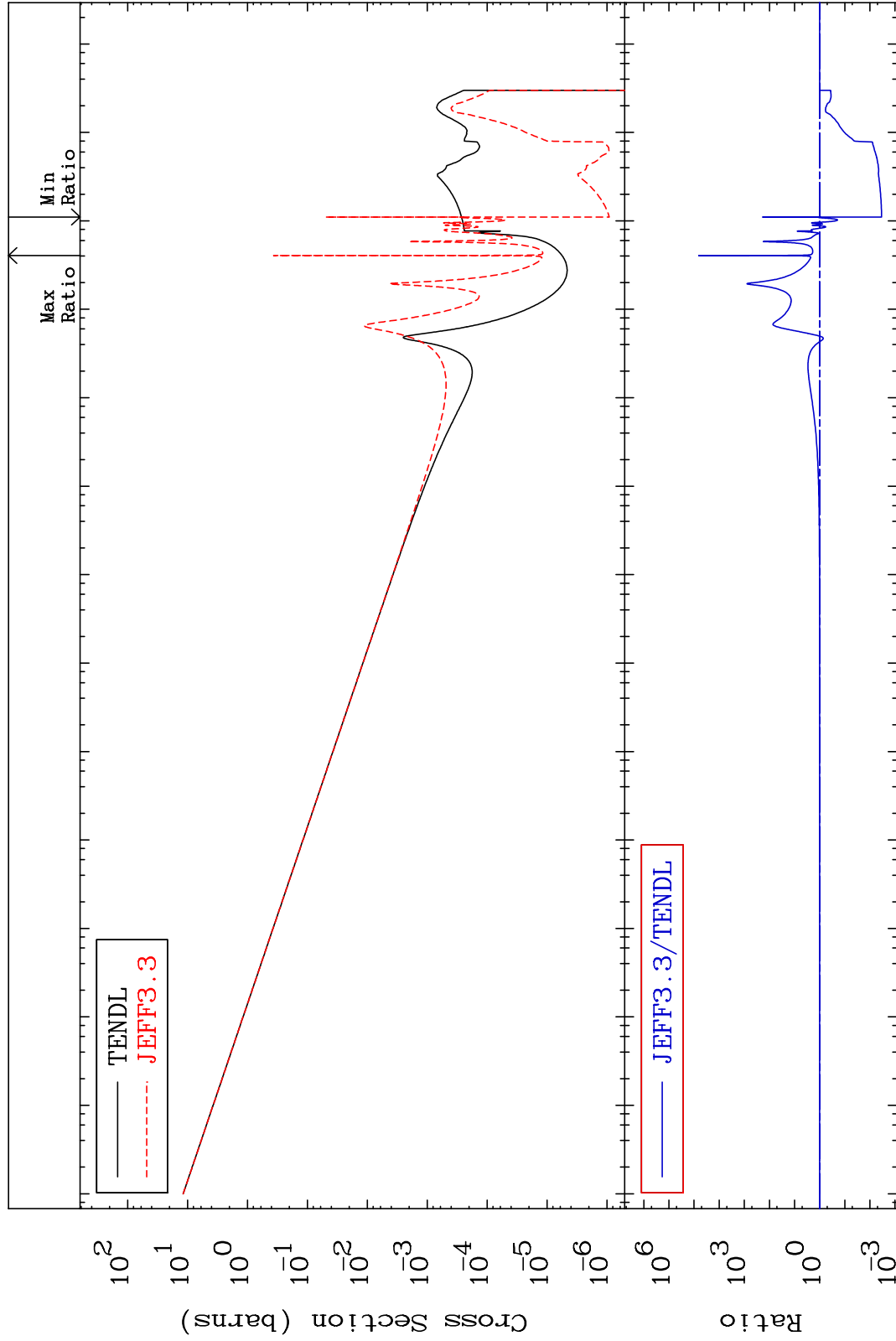
MAT 1637

(n, γ)

16-S -36

Cross Section

-99.66 To 9999. %



49

Incident Energy (eV)

16-S -36

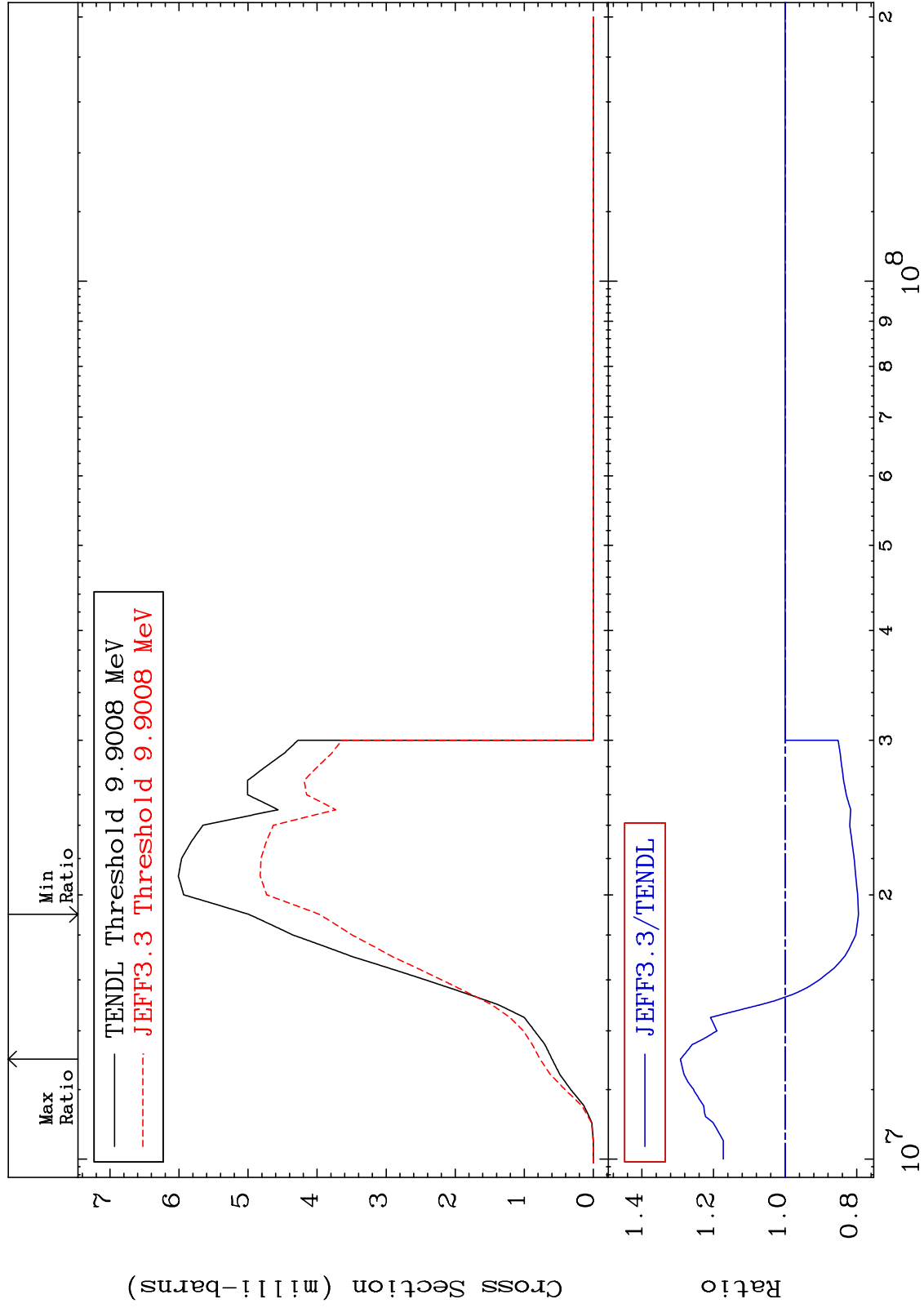
MAT 1637

(n,p)

16-S -36

Cross Section

-20.51 To 29.23 %

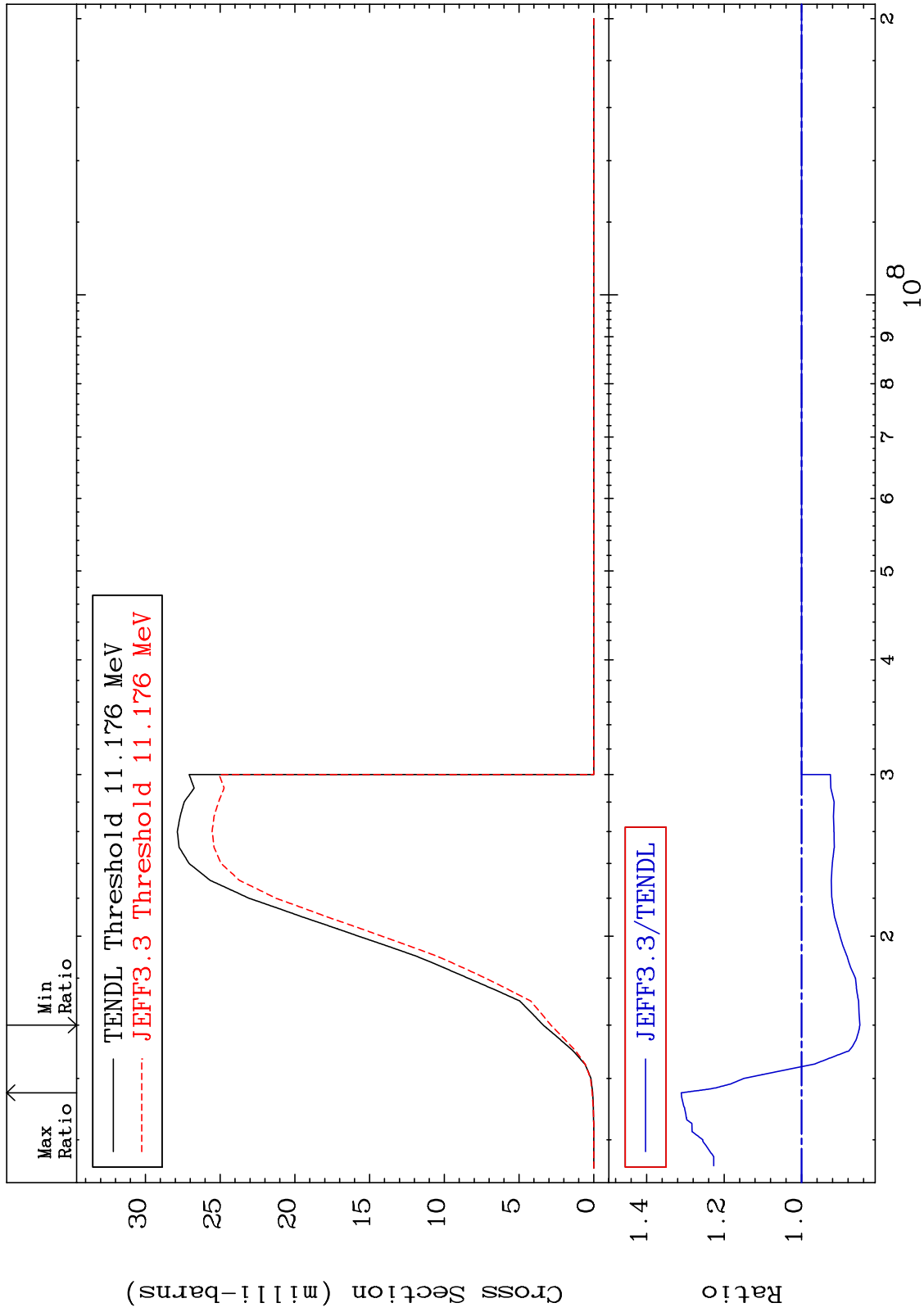


Incident Energy (eV)

16-S -36

Cross Section

-15.05 To 31.07 %



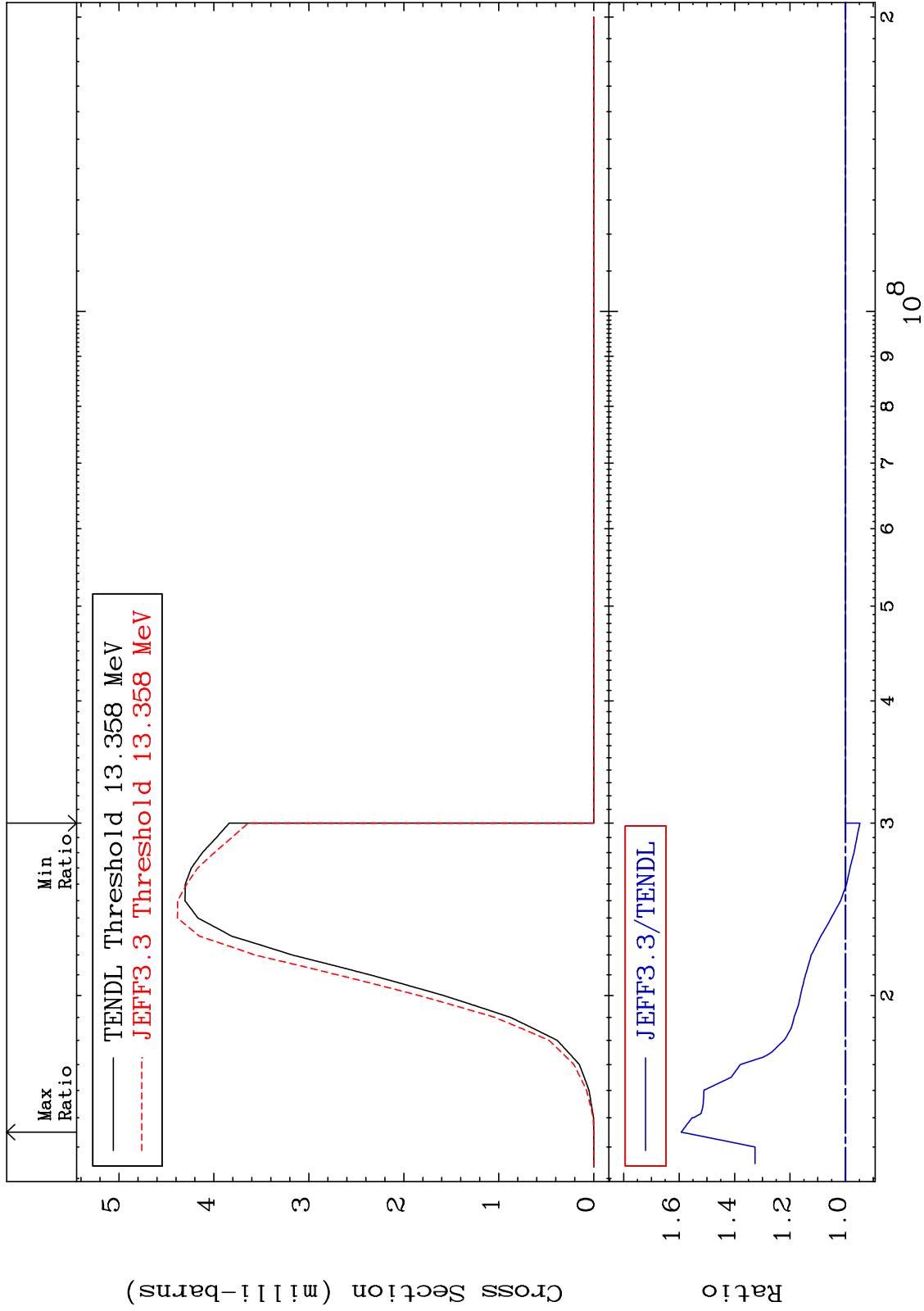
MAT 1637

(n, t)

16-S -36

Cross Section

-5.180 To 59.23 %



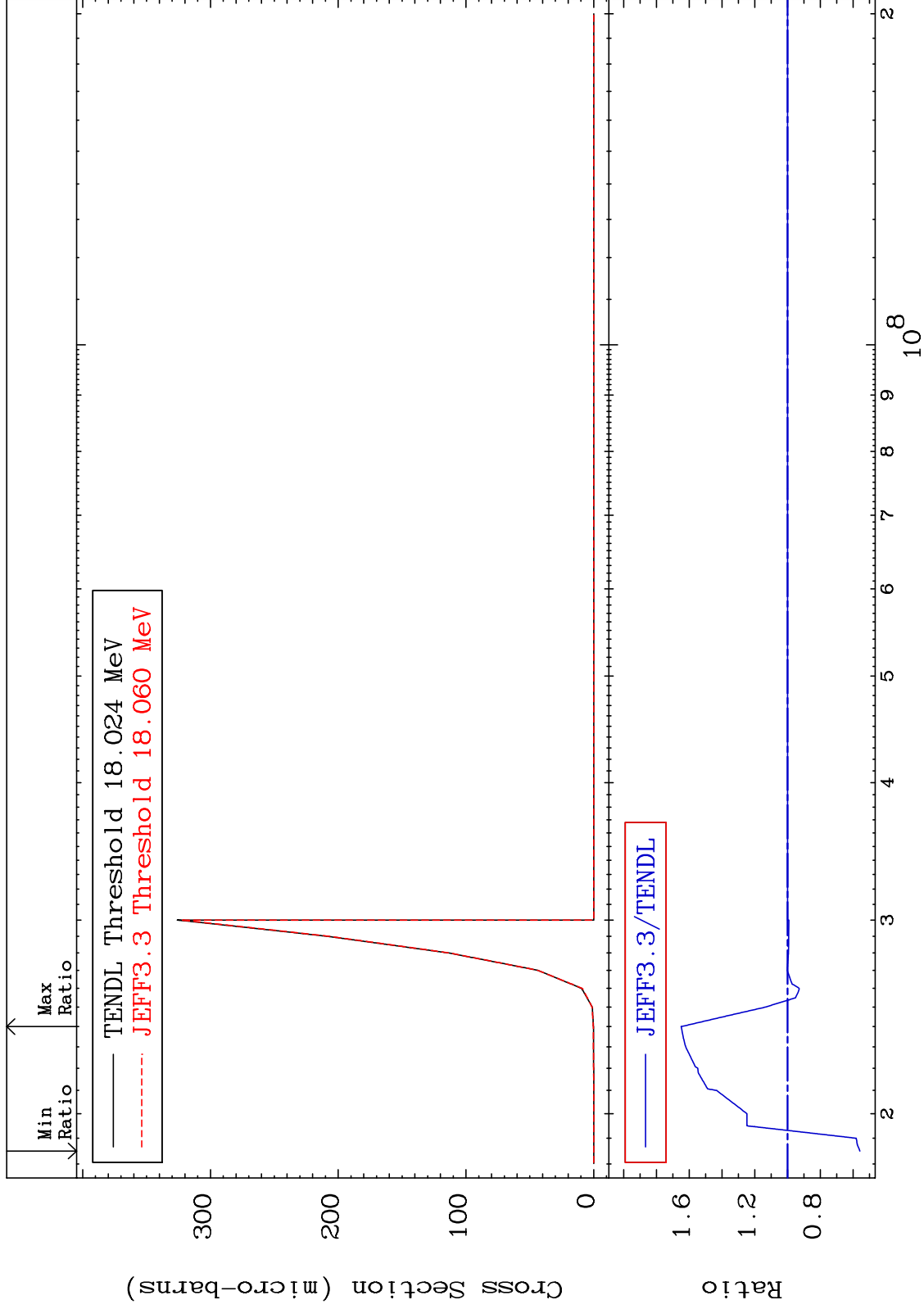
MAT 1637

(n, He-3)

16-S -36

Cross Section

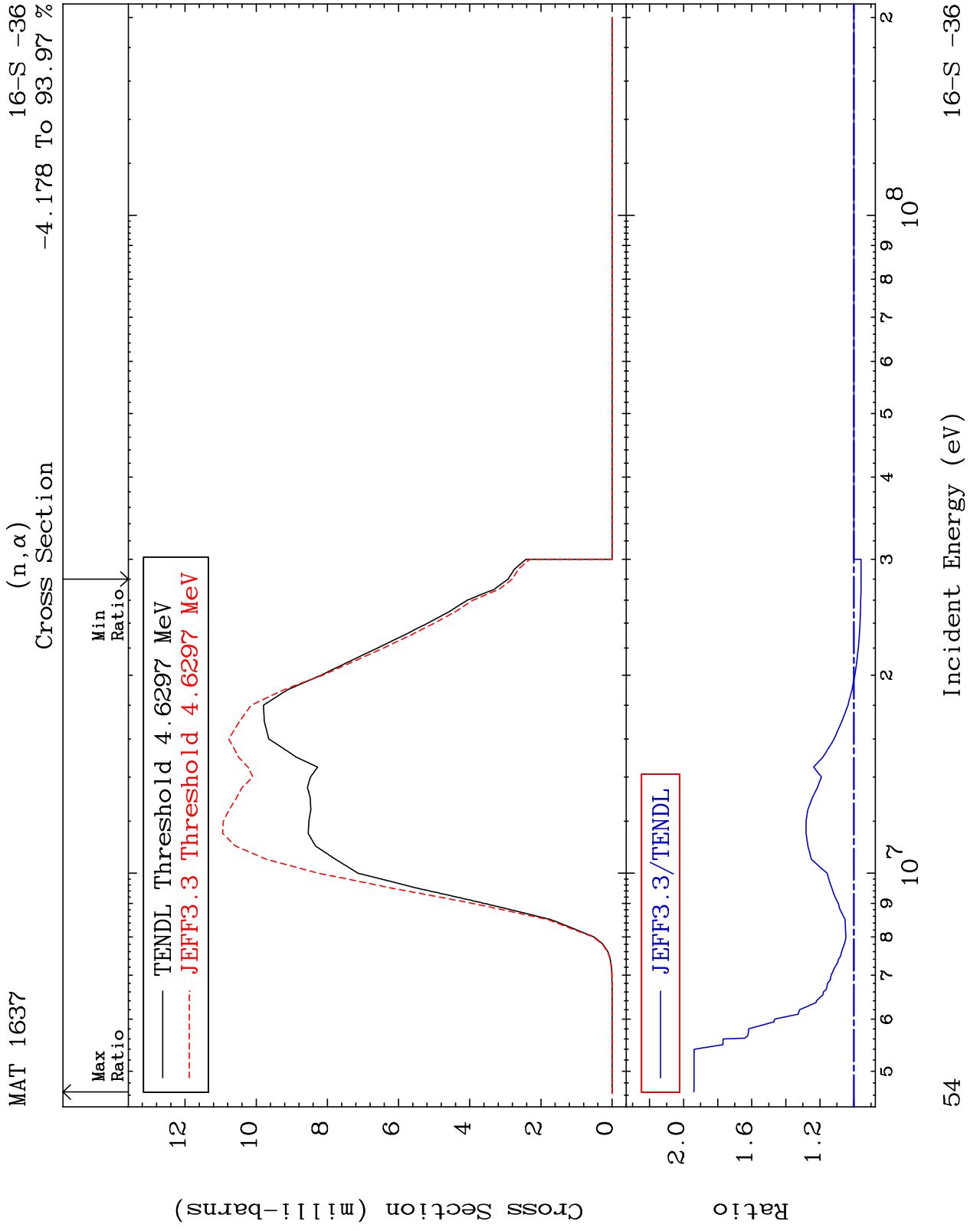
-44.16 To 64.89 %



53

Incident Energy (eV)

16-S -36



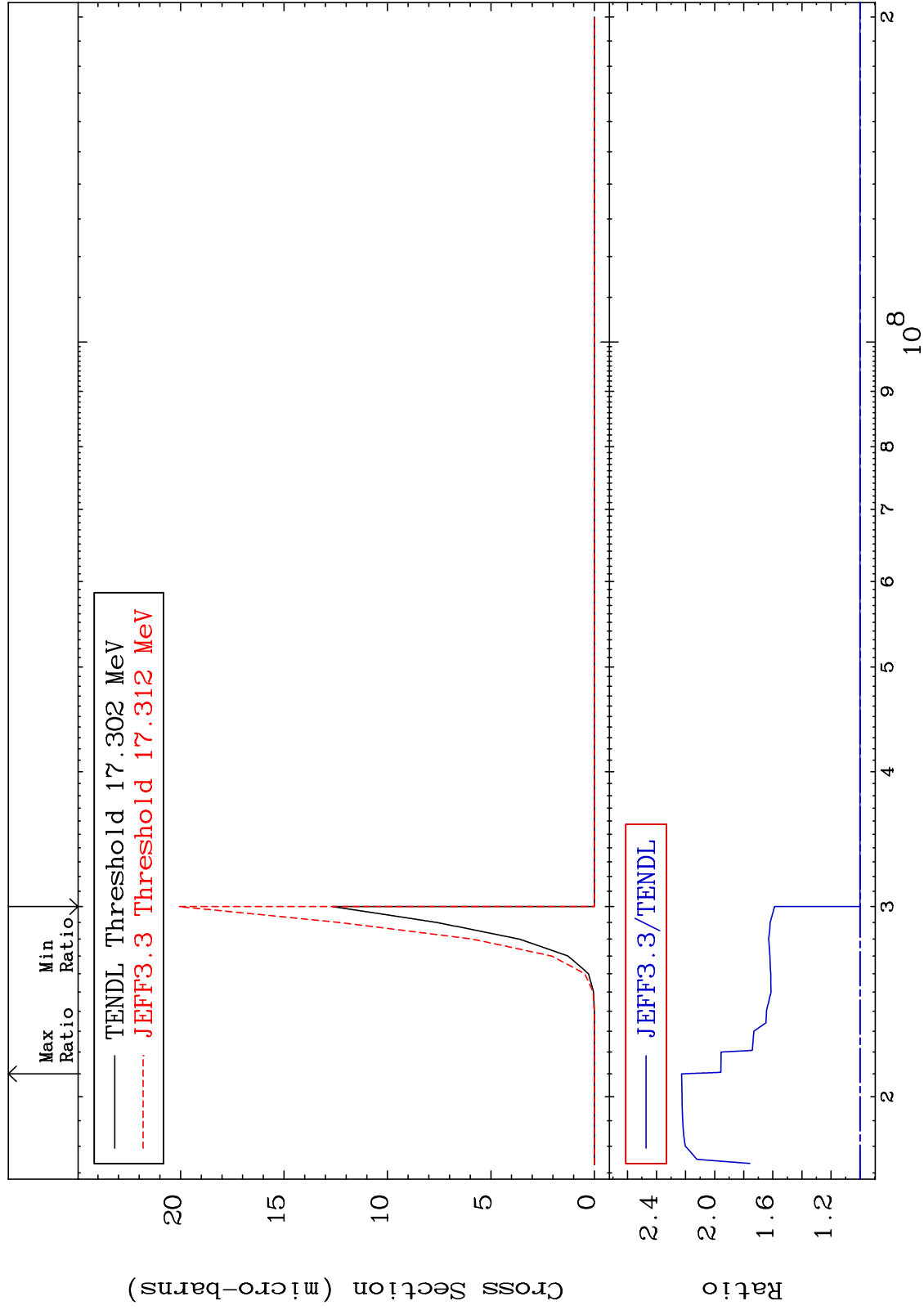
MAT 1637

(n,2α)

16-S -36

Cross Section

0.000 To 122.7 %



55

Incident Energy (eV)

16-S -36

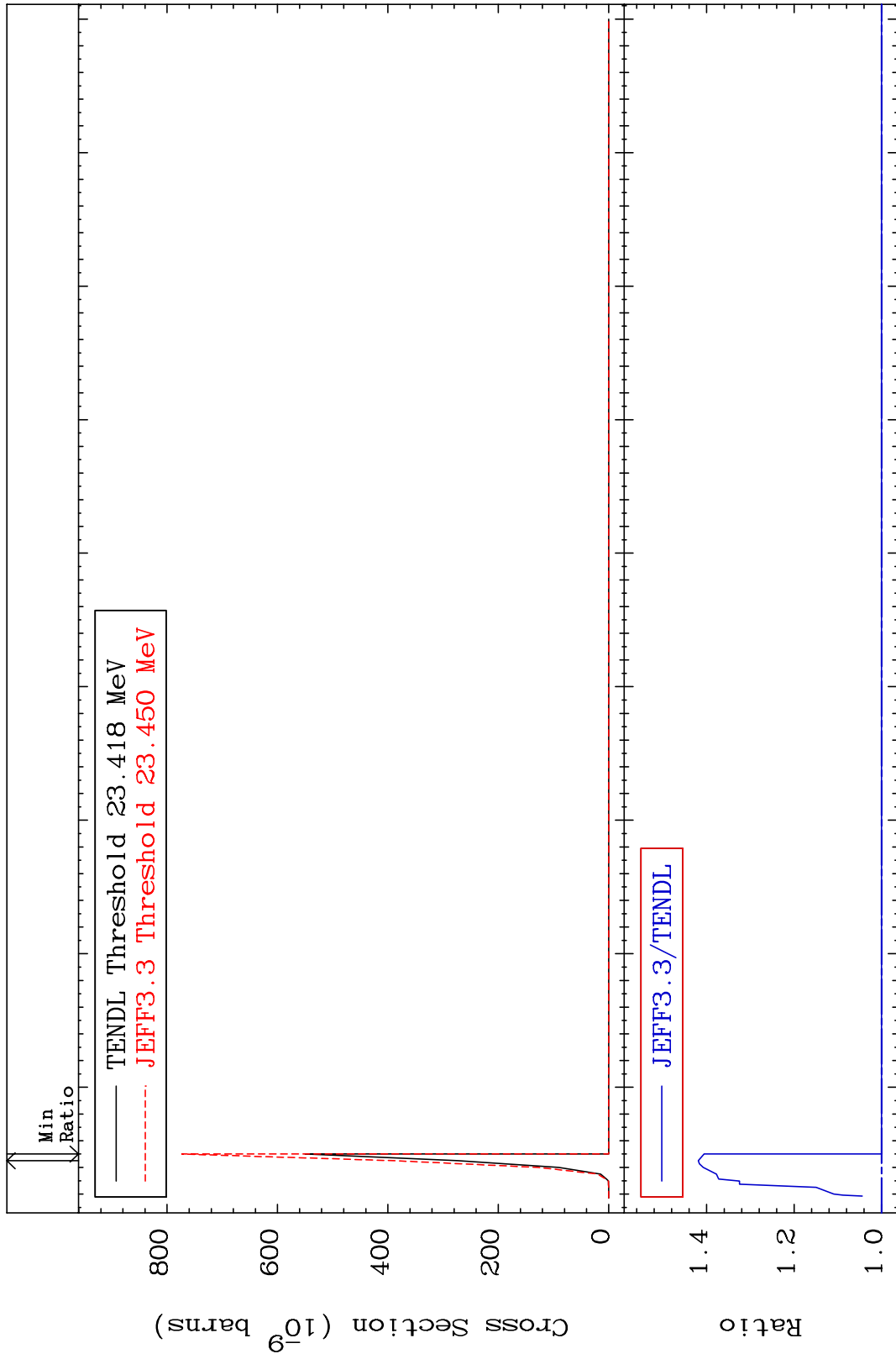
MAT 1637

(n,2p)

16-S -36

Cross Section

0.000 To 41.90 %



56

Incident Energy (MeV)

16-S -36

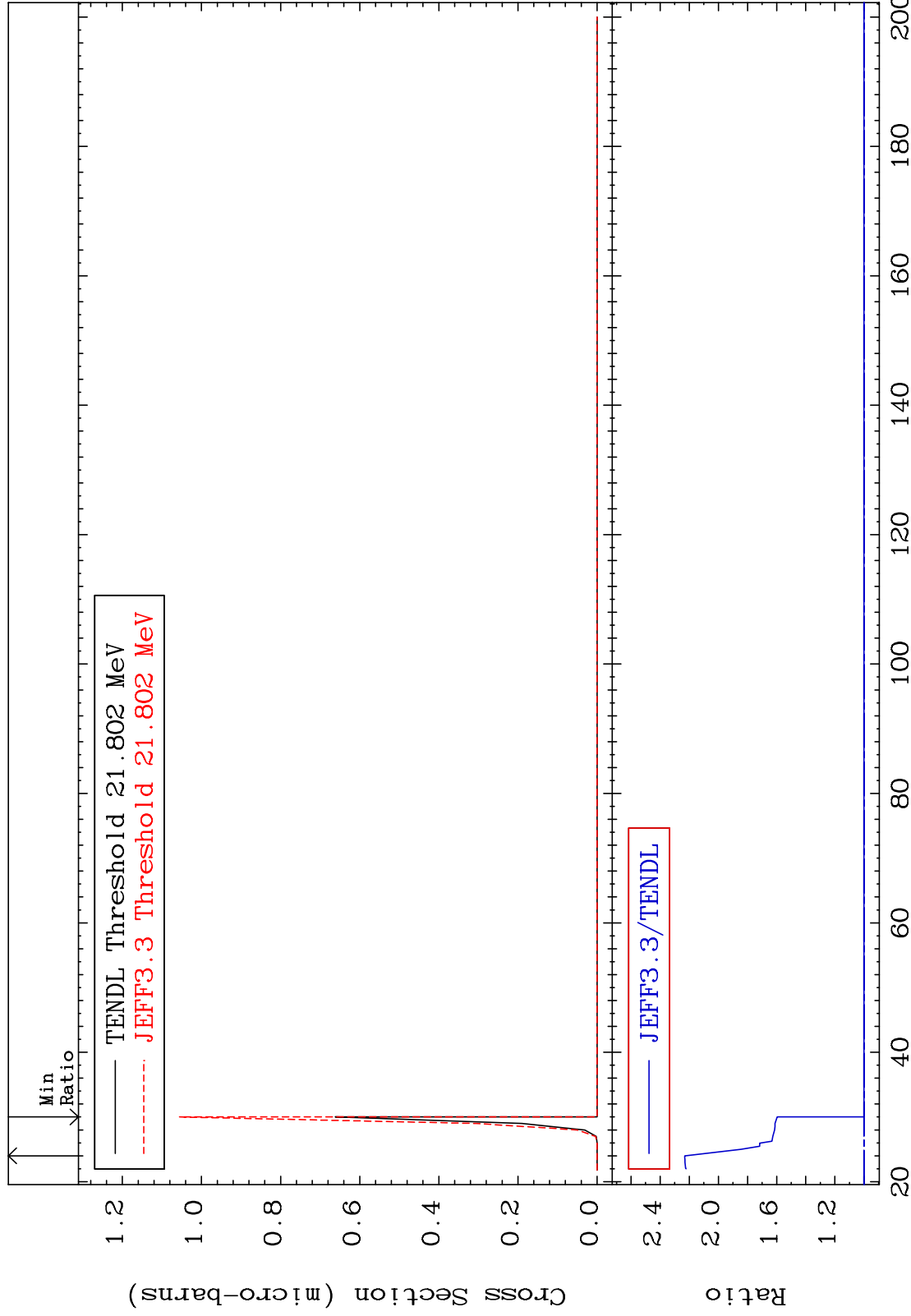
MAT 1637

(n,p) α

16-S -36

Cross Section

0.000 To 123.1 %



Incident Energy (MeV)

16-S -36

57

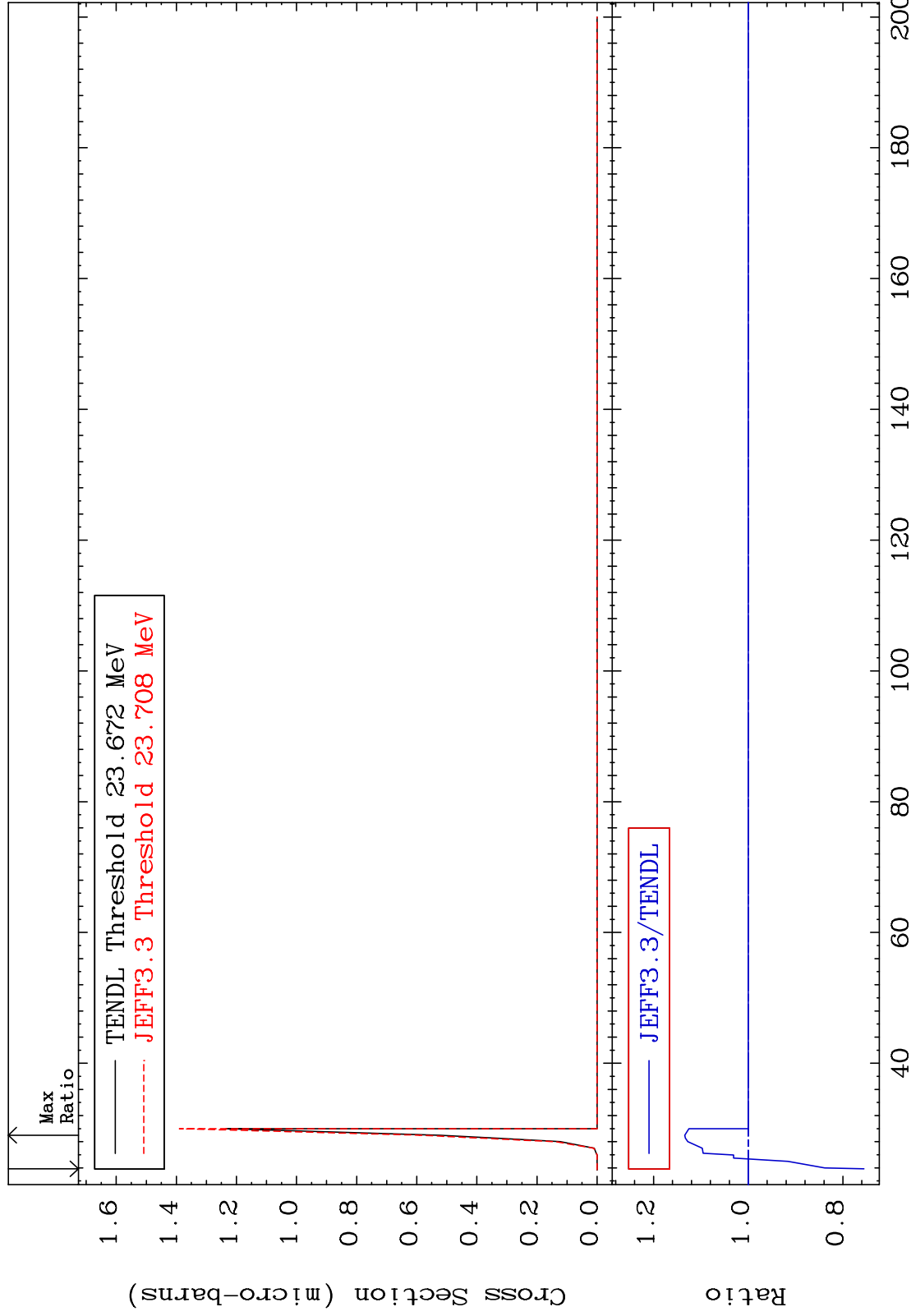
MAT 1637

(n,p) d

16-S -36

Cross Section

-24.45 To 13.41 %



58

Incident Energy (MeV)

16-S -36

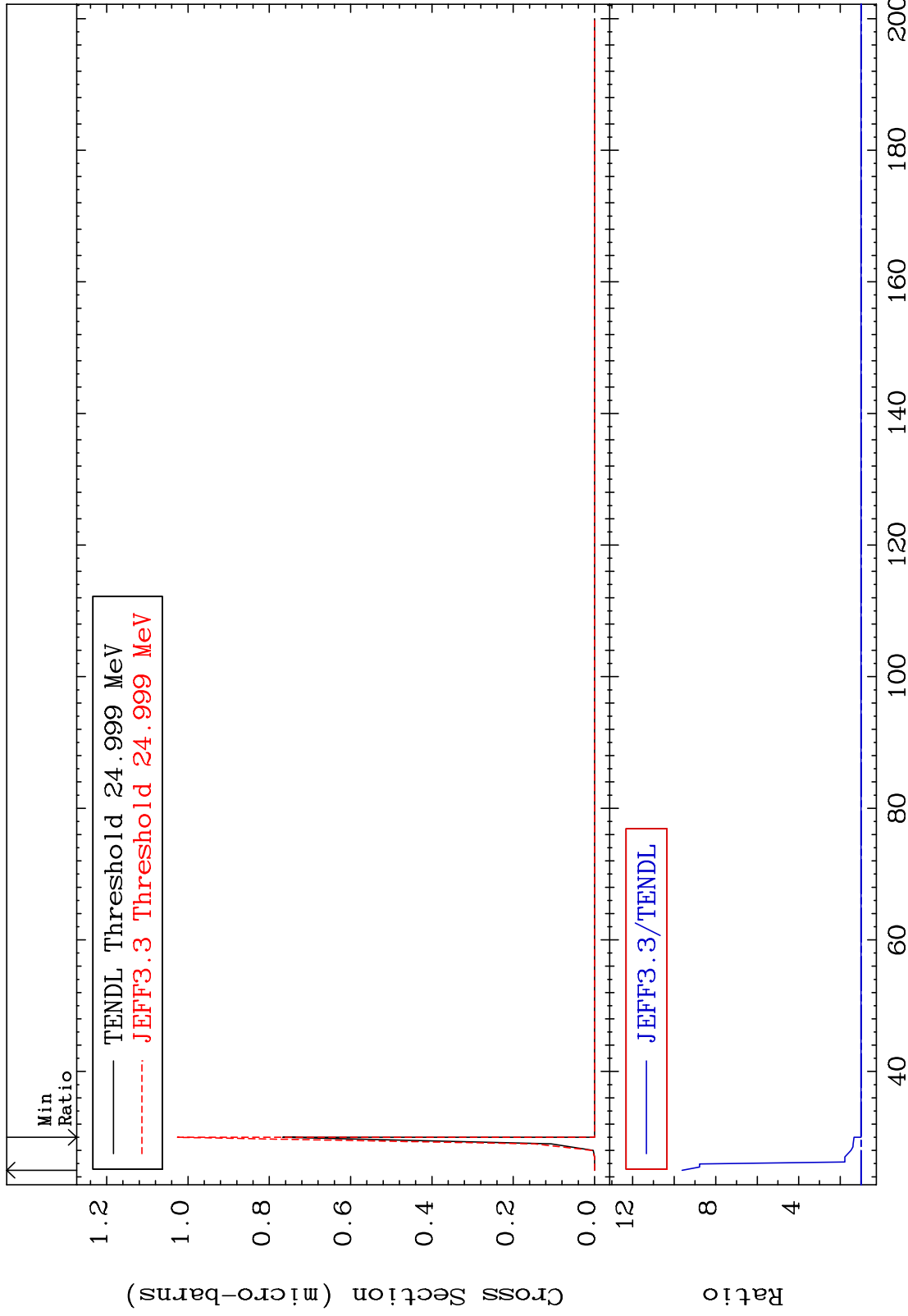
MAT 1637

(n,p) t

16-S -36

Cross Section

0.000 To 861.5 %



59

Incident Energy (MeV)

16-S -36

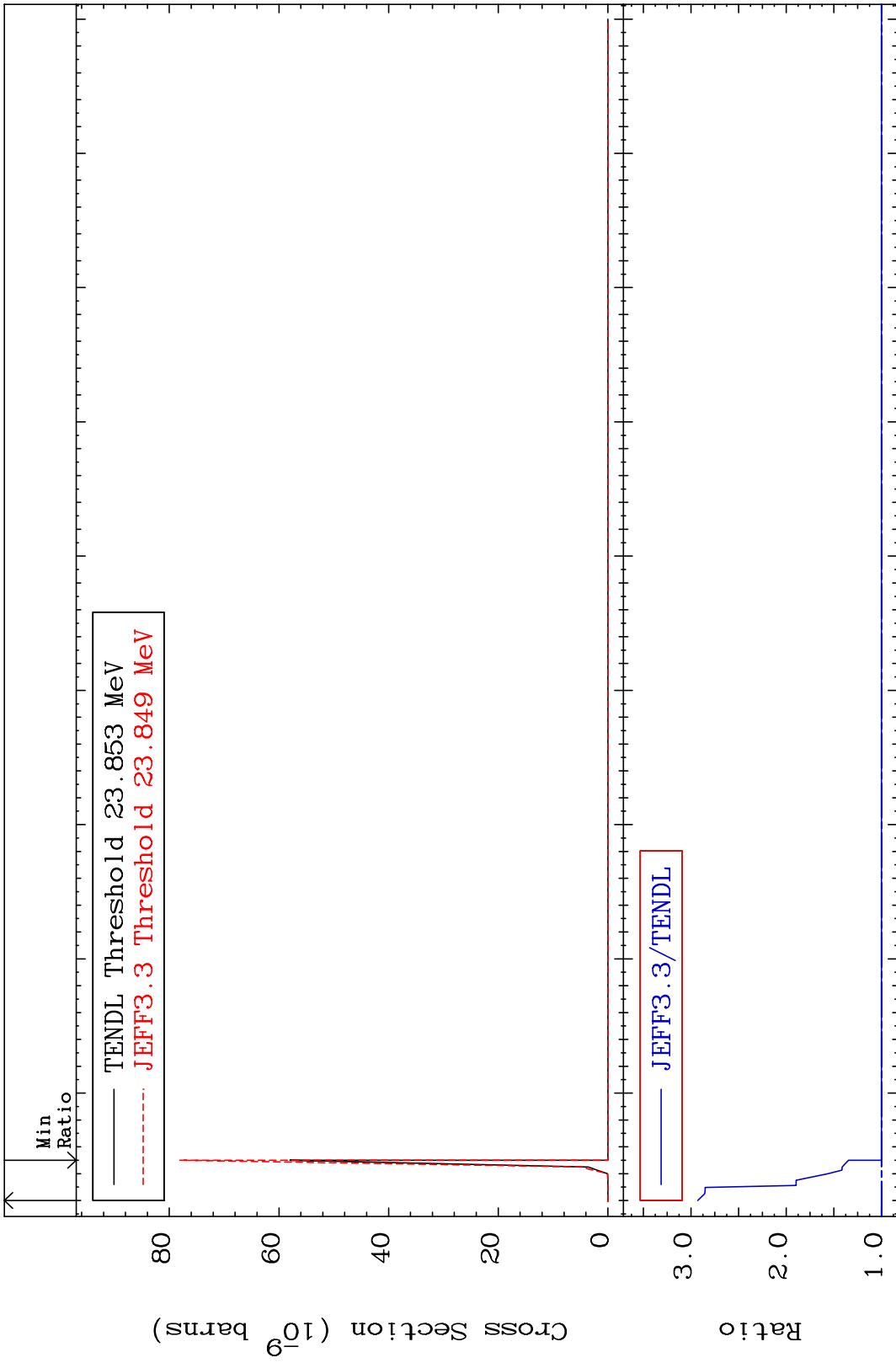
MAT 1637

(n,d) α

16-S -36

Cross Section

0.000 To 192.8 %



16-S -36

Incident Energy (MeV)

0.000 To 192.8 %

60

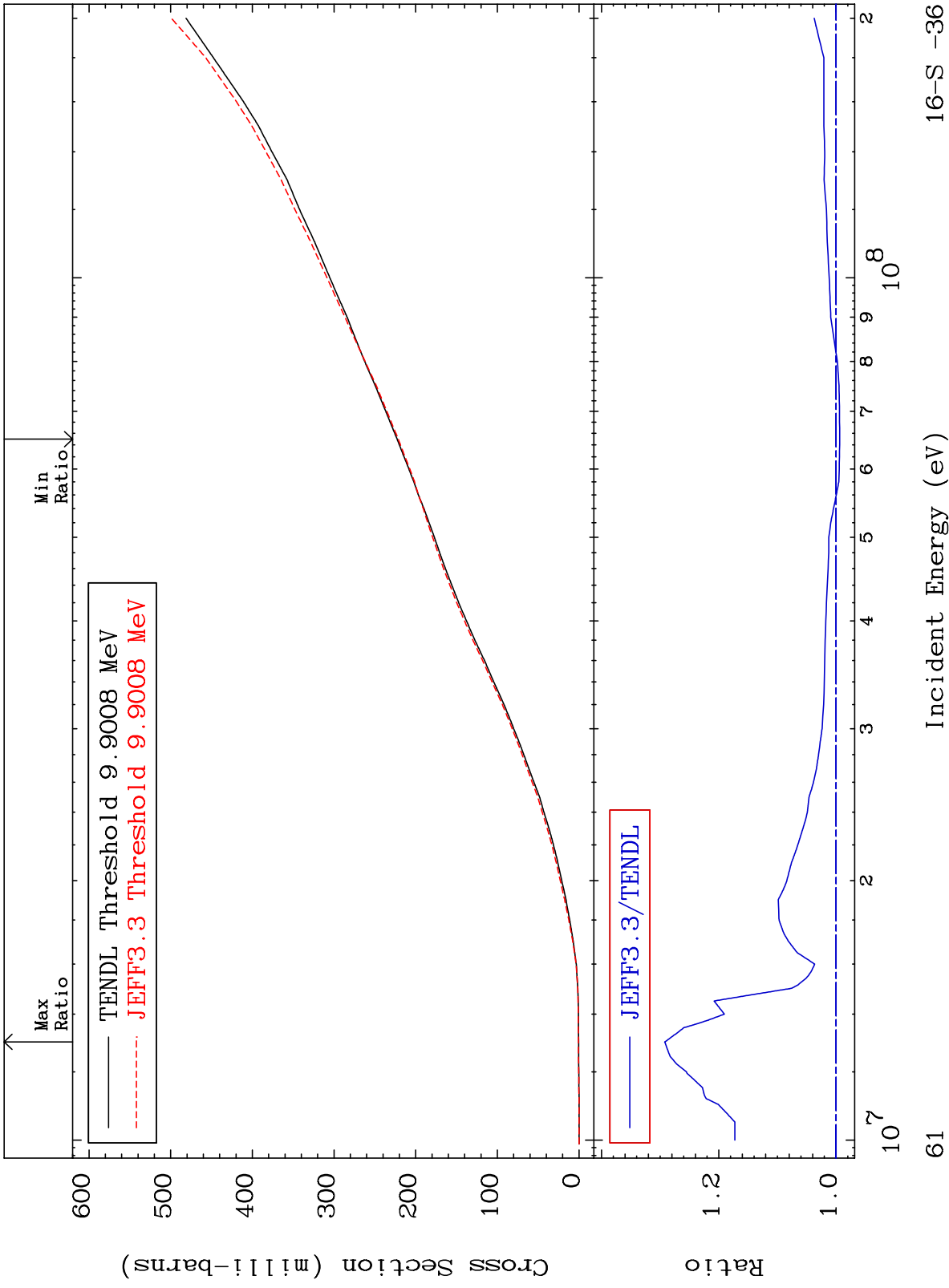
Incident Energy (MeV)

16-S -36

MAT 1637

Hydrogen Production
Cross Section

16-S -36
-0.622 To 29.23 %



61

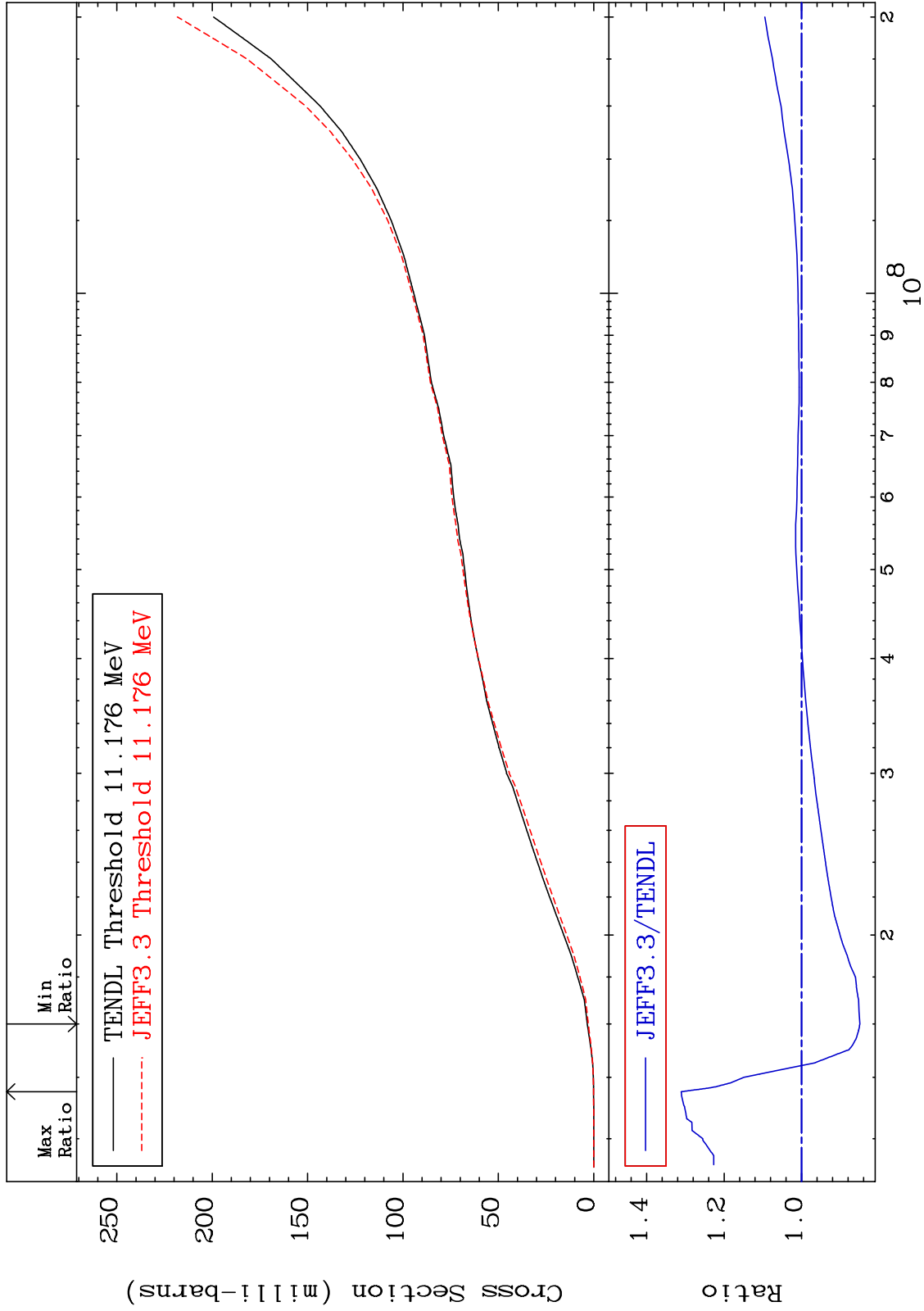
Incident Energy (eV)

16-S -36

MAT 1637

Deuterium Production
Cross Section

16-S -36
-15.05 To 31.07 %



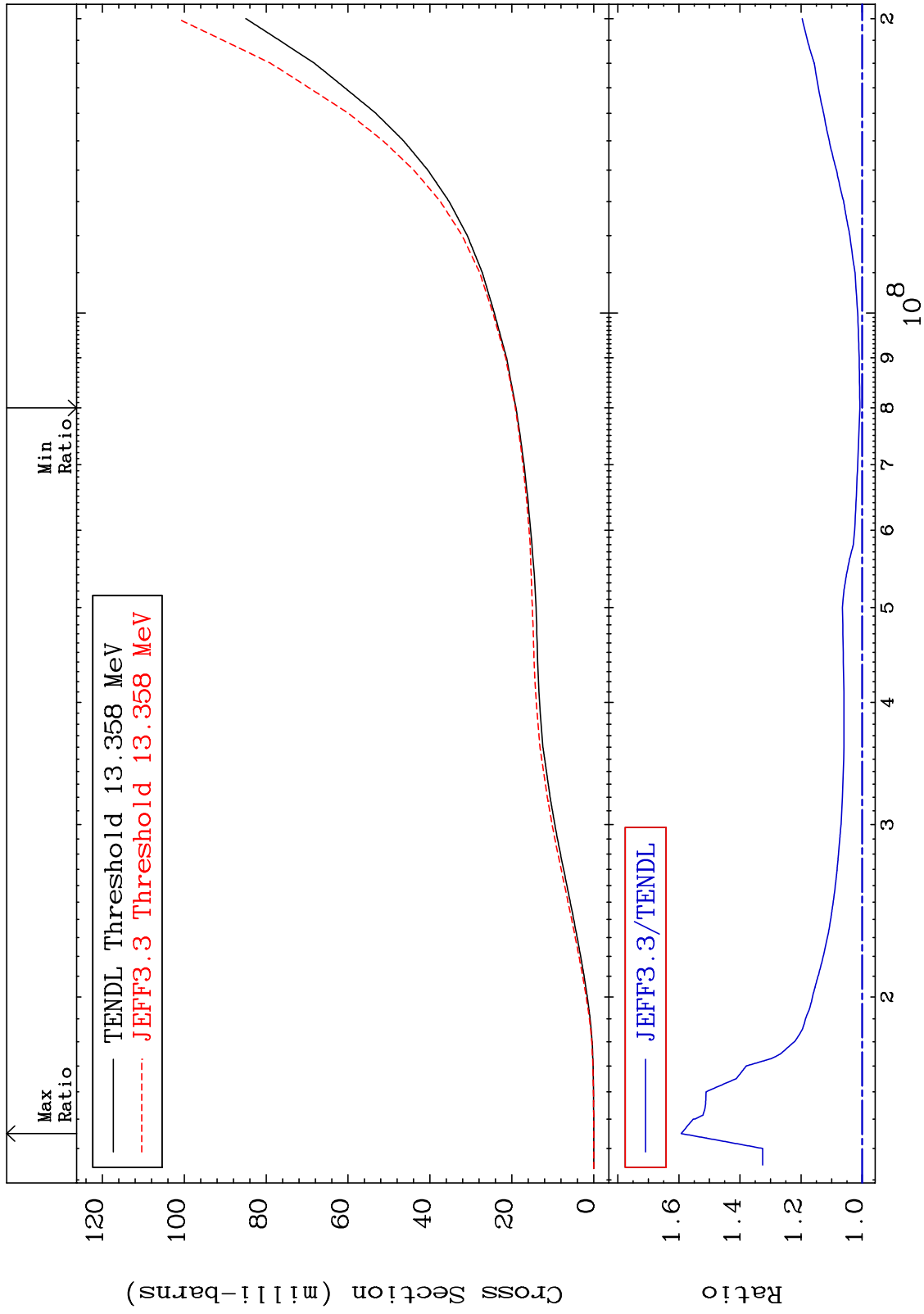
62

16-S -36

MAT 1637

Tritium Production
Cross Section

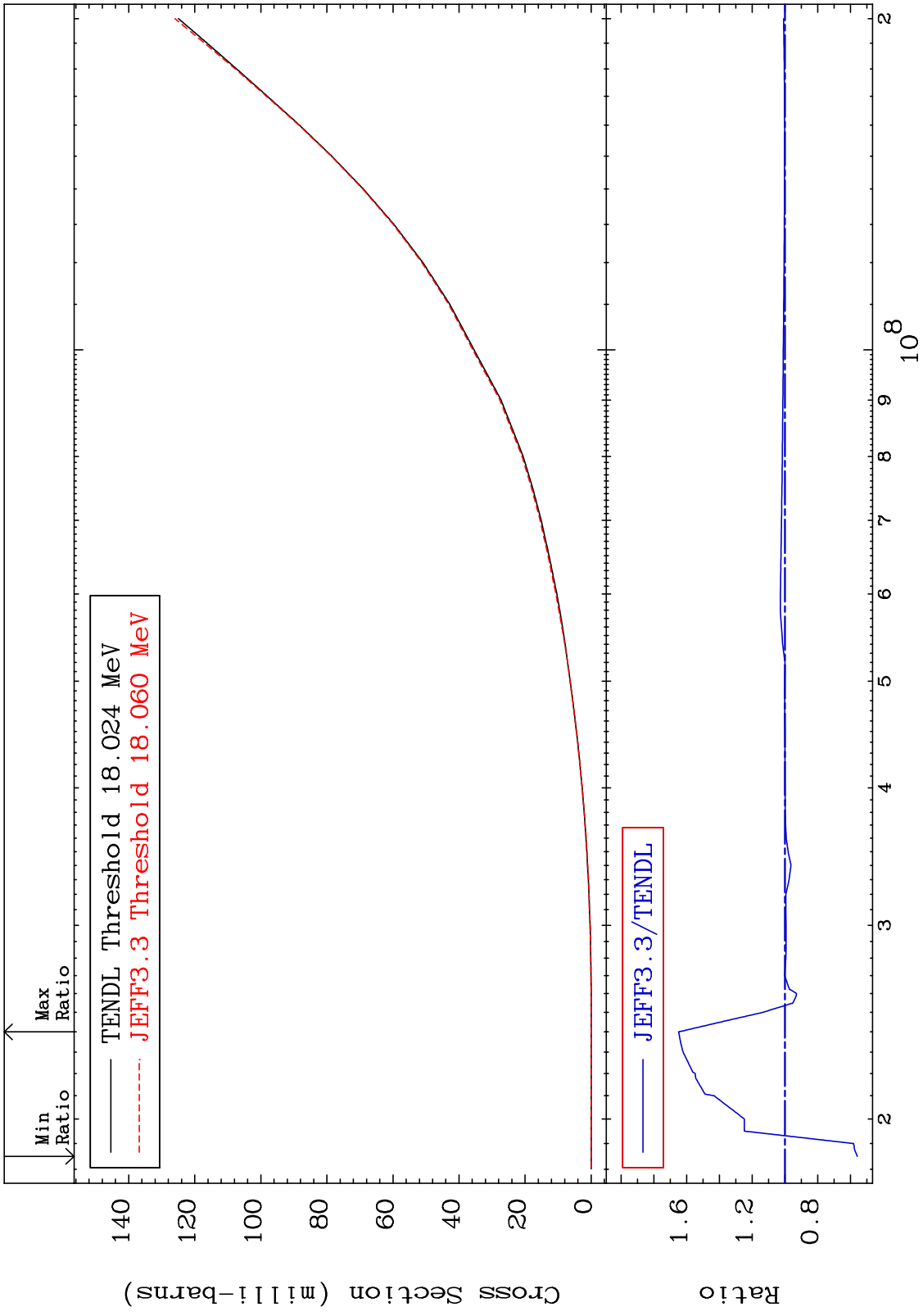
16-S -36
0.735 To 59.23 %



63

Incident Energy (eV)

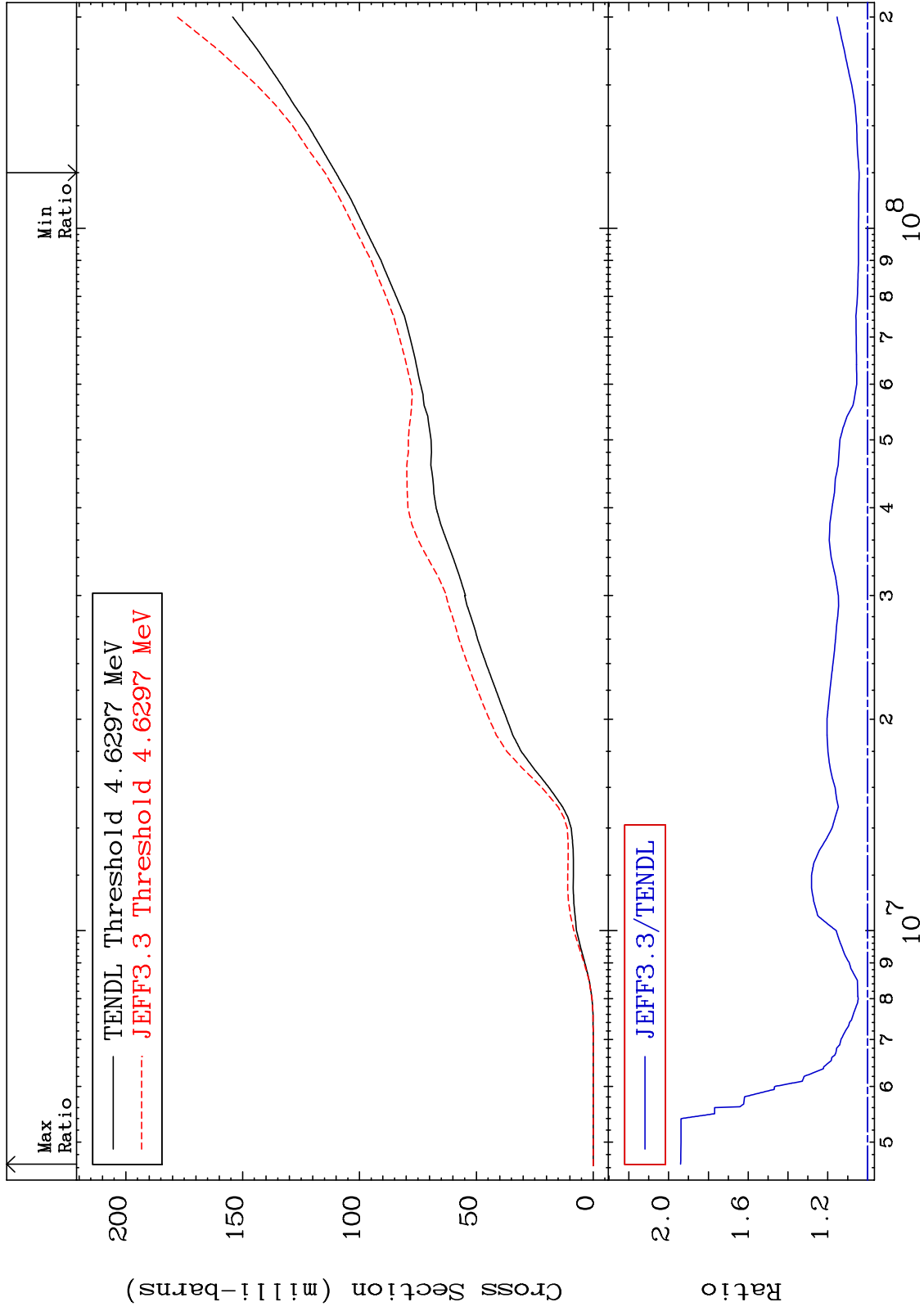
16-S -36



MAT 1637

He-4 Production
Cross Section

16-S -36
4.225 To 93.97 %



65

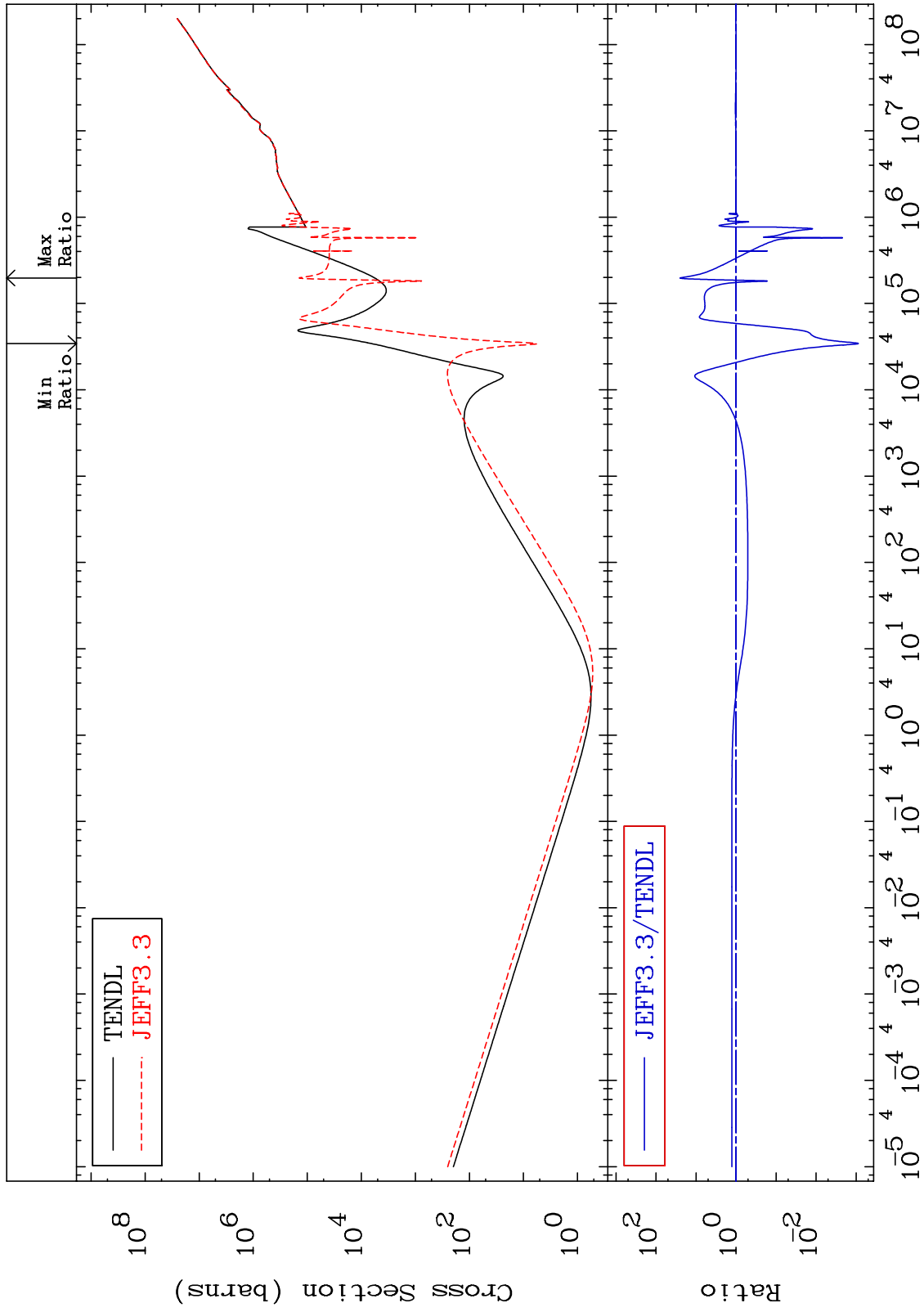
Incident Energy (eV)

16-S -36

MAT 1637

Kerma total (eV-barns)
Cross Section

16-S -36
-99.91 To 2409. %



66

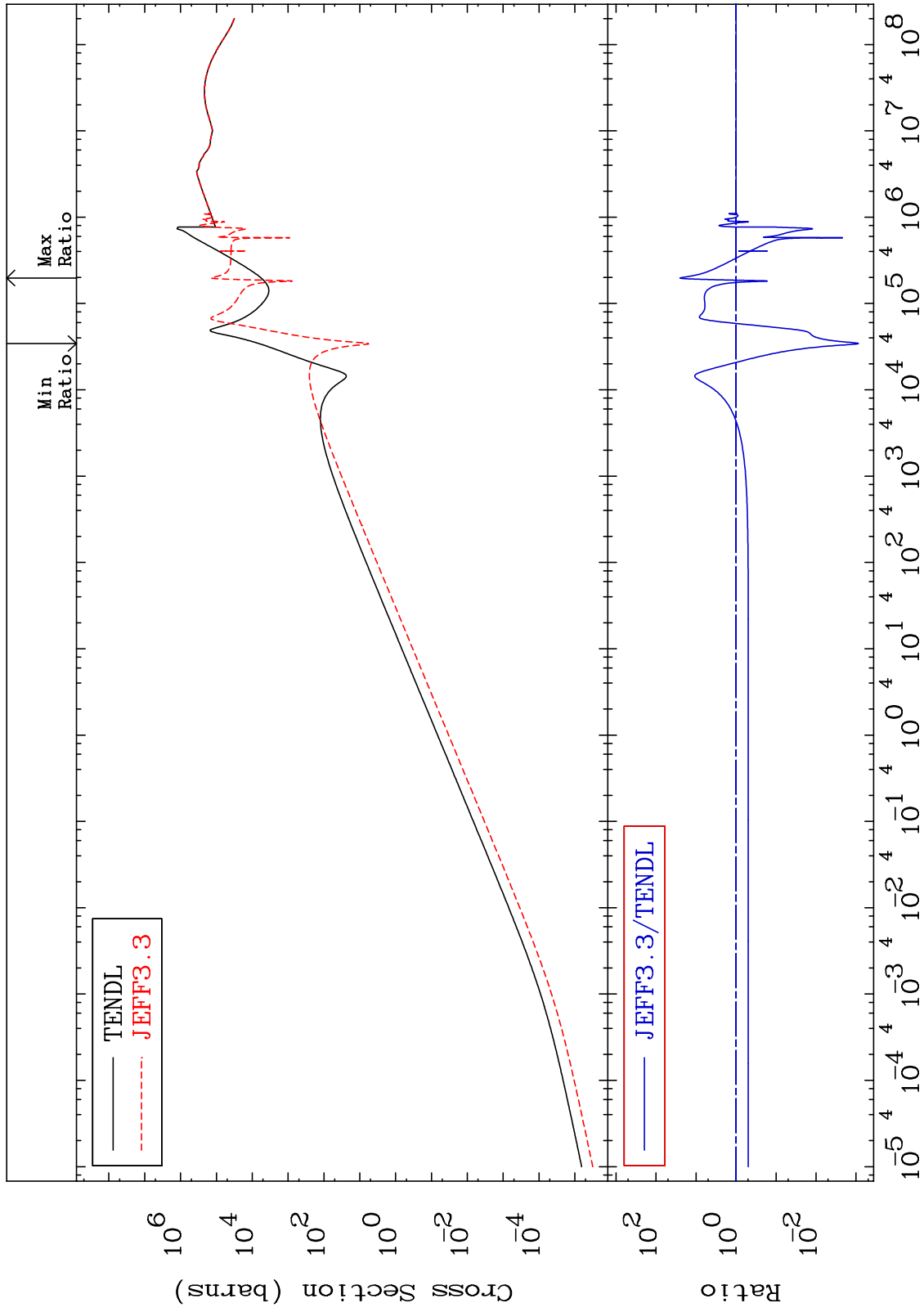
Incident Energy (eV)

16-S -36

MAT 1637

Kerma elastic
Cross Section

16-S -36
-99.91 To 2409. %



— TENDL
- - - JEFF3.3

— JEFF3.3/TENDL

67

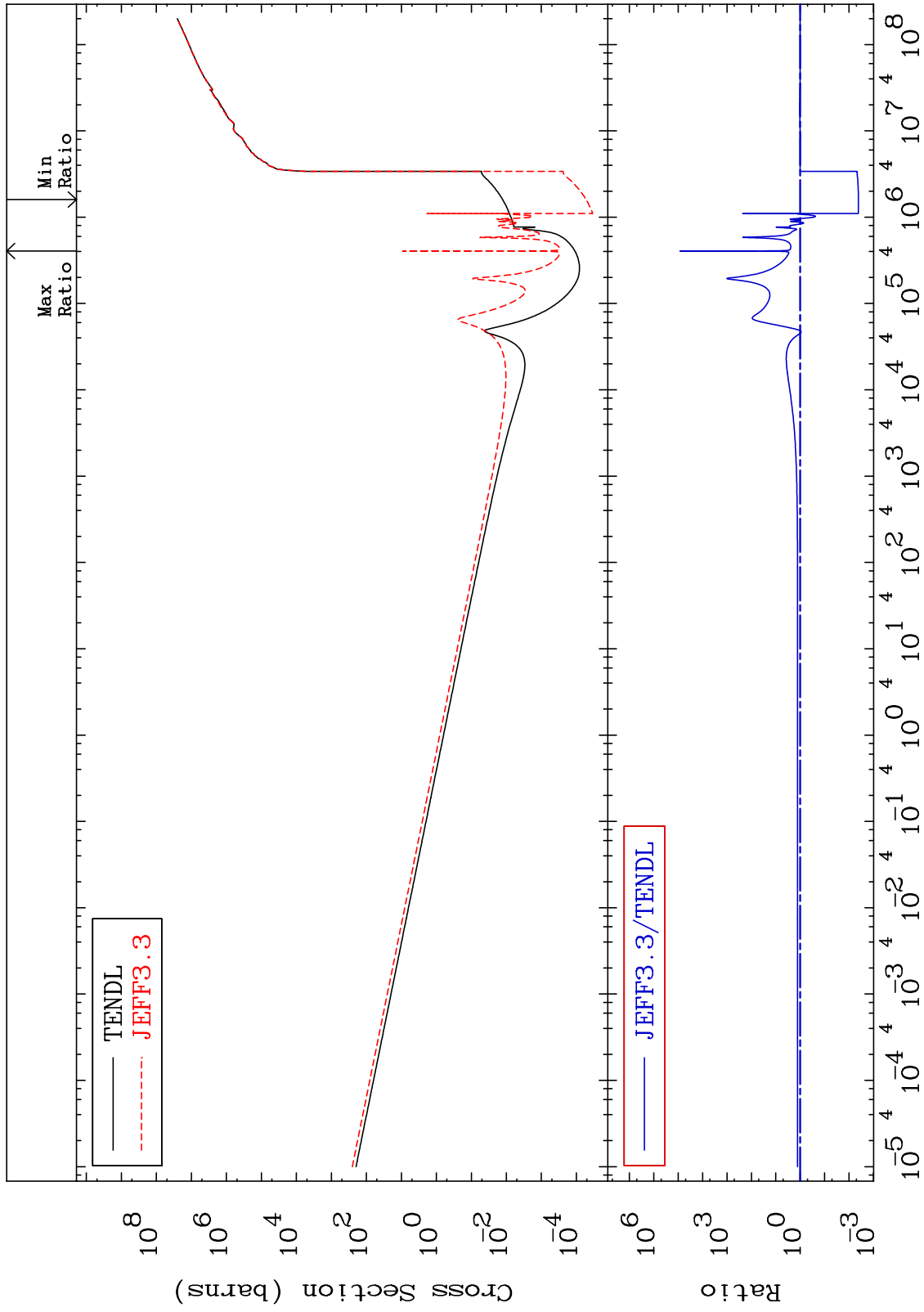
Incident Energy (eV)

16-S -36

MAT 1637

Kerma non-elastic (all but mt2)
Cross Section

16-S -36
-99.59 To 9999. %



68

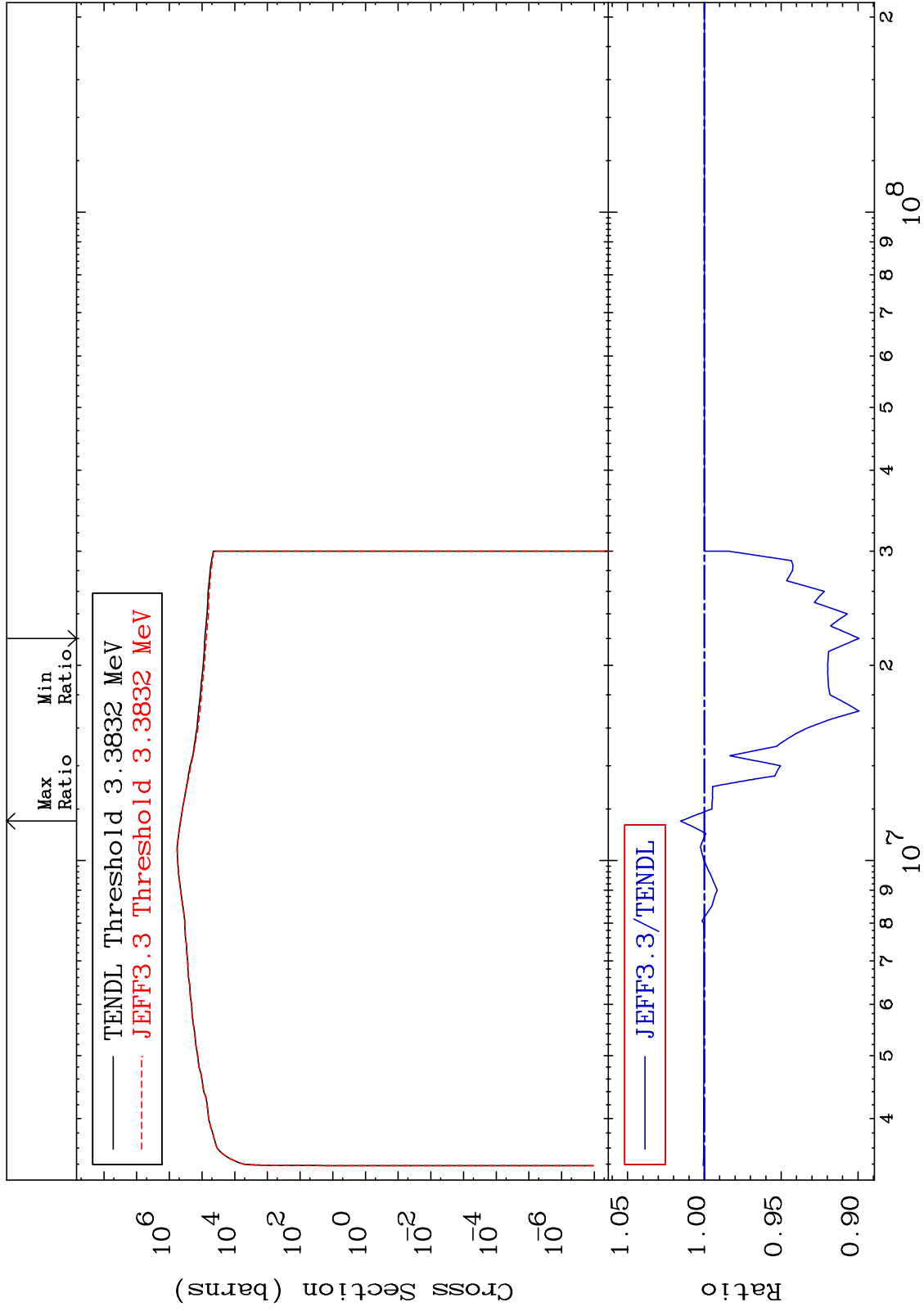
Incident Energy (eV)

16-S -36

MAT 1637

Kerma inelastic (mt51-91)
Cross Section

16-S -36
-10.08 To 1.547 %



69

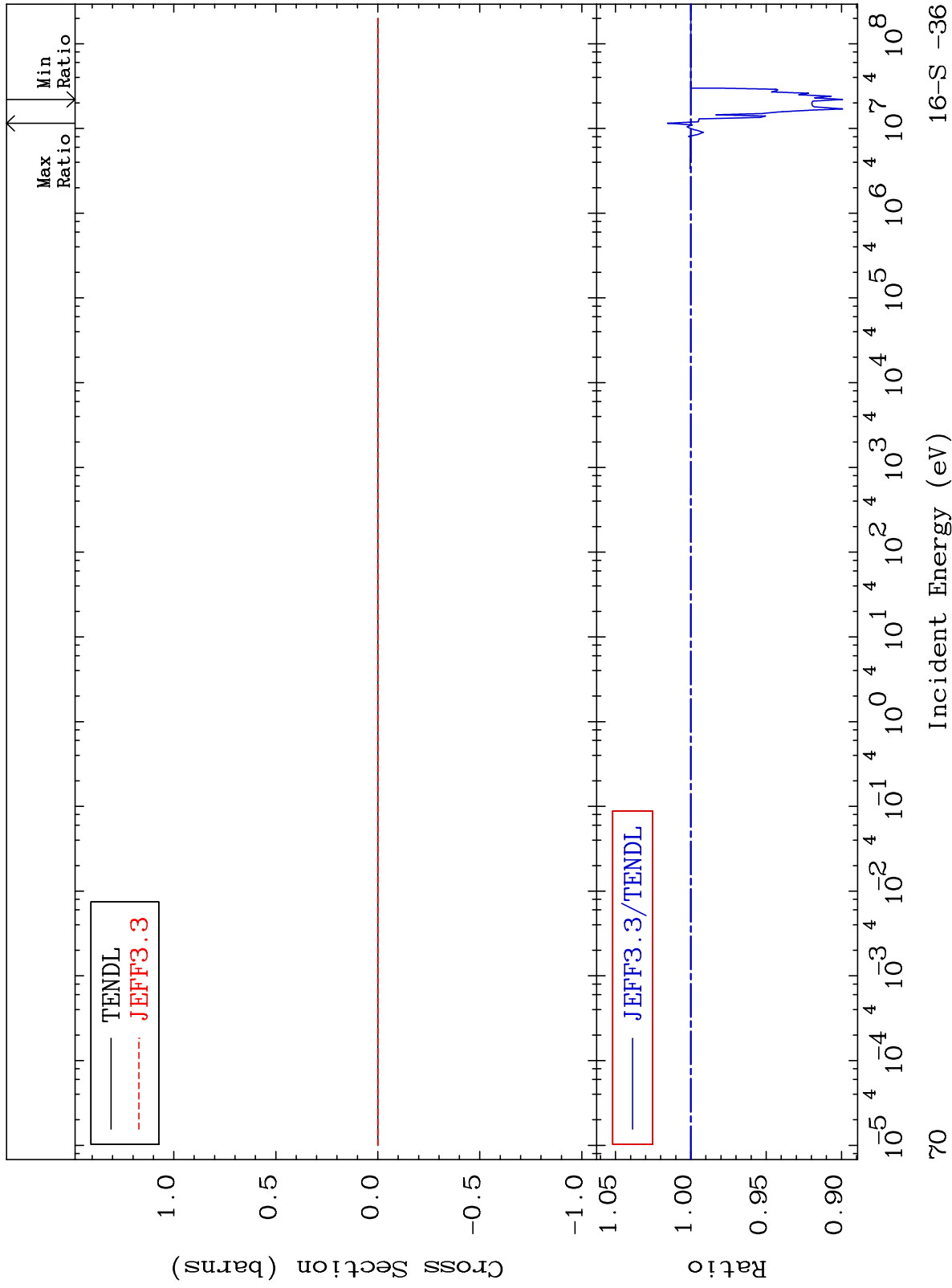
Incident Energy (eV)

16-S -36

MAT 1637

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

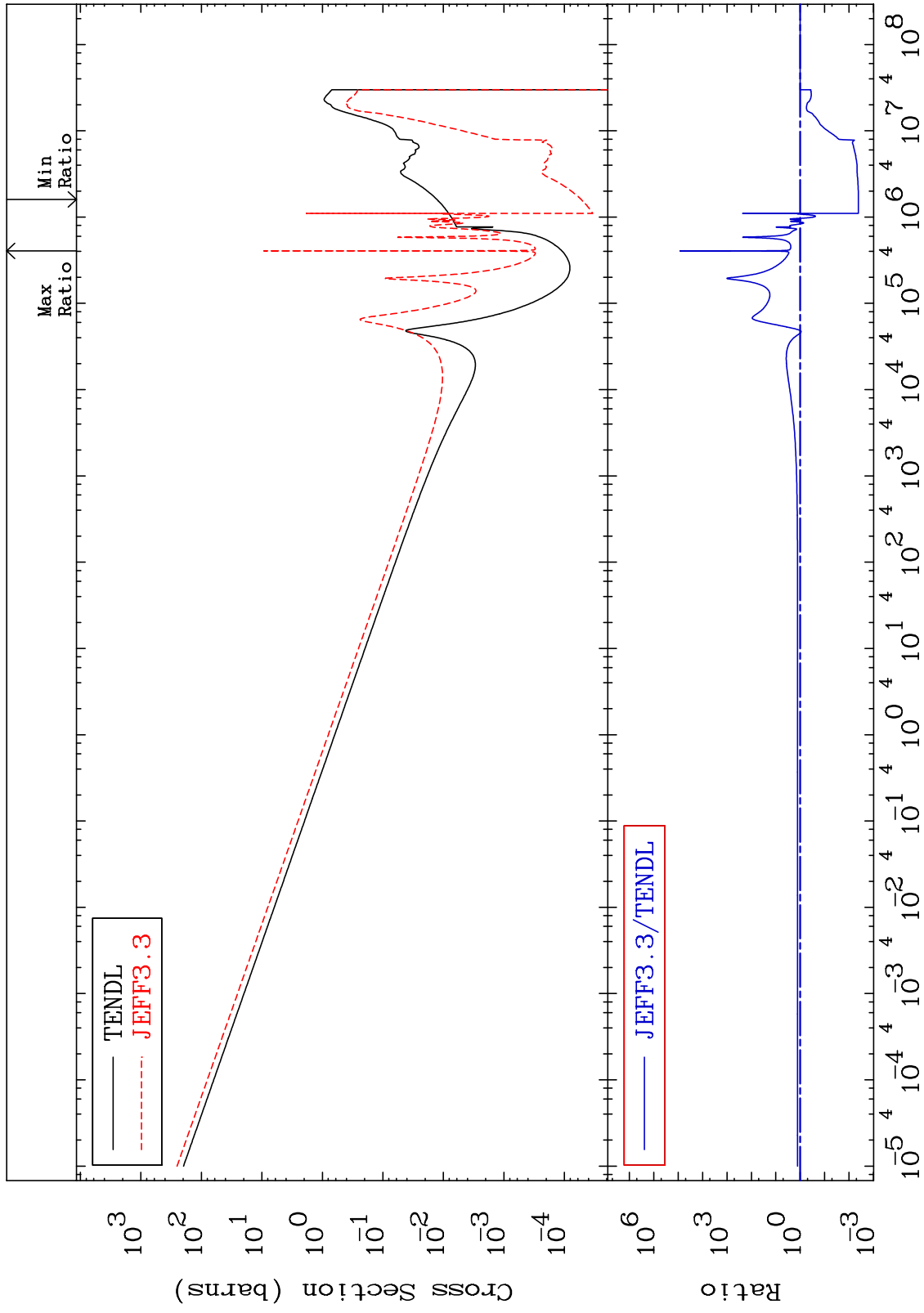
16-S -36
-10.08 To 1.547 %



MAT 1637

Kerma capture (mt102)
Cross Section

16-S -36
-99.59 To 9999. %



71

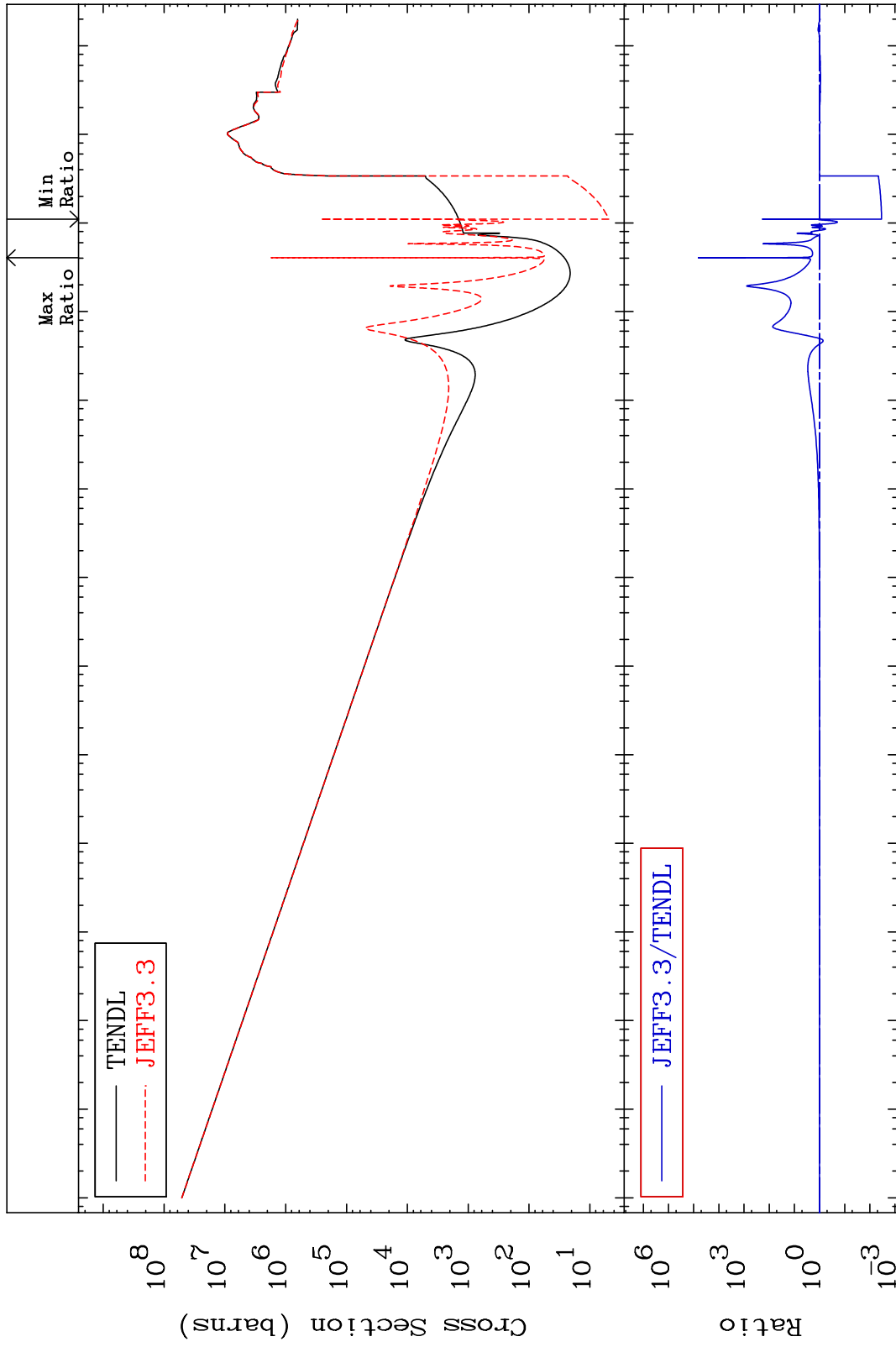
Incident Energy (eV)

16-S -36

MAT 1637

Total photon (eV-barns)
Cross Section

16-S -36
-99.66 To 9999. %



72

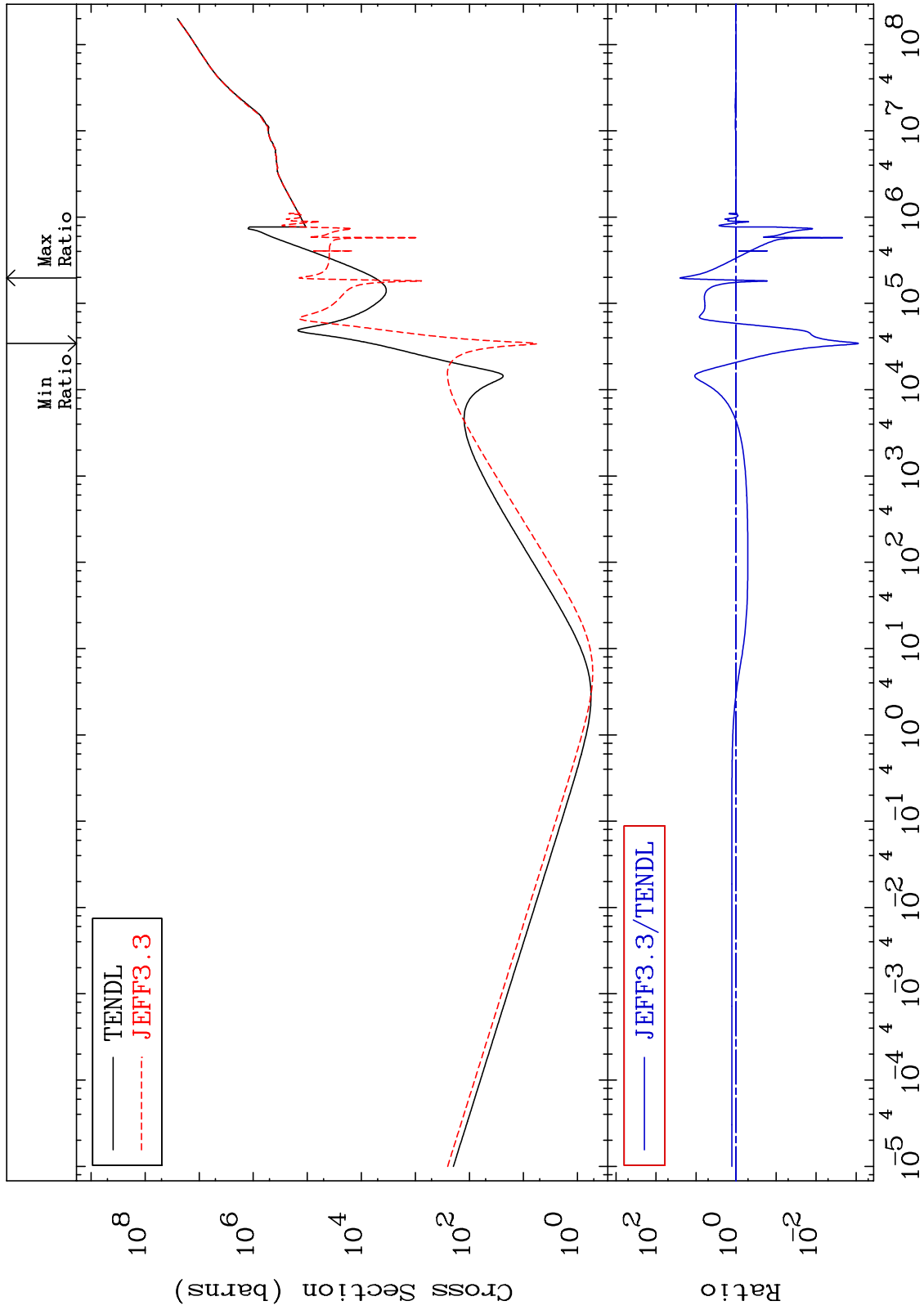
Incident Energy (eV)

16-S -36

MAT 1637

Total kinematic kerma (high limit)
Cross Section

16-S -36
-99.91 To 2409. %



73

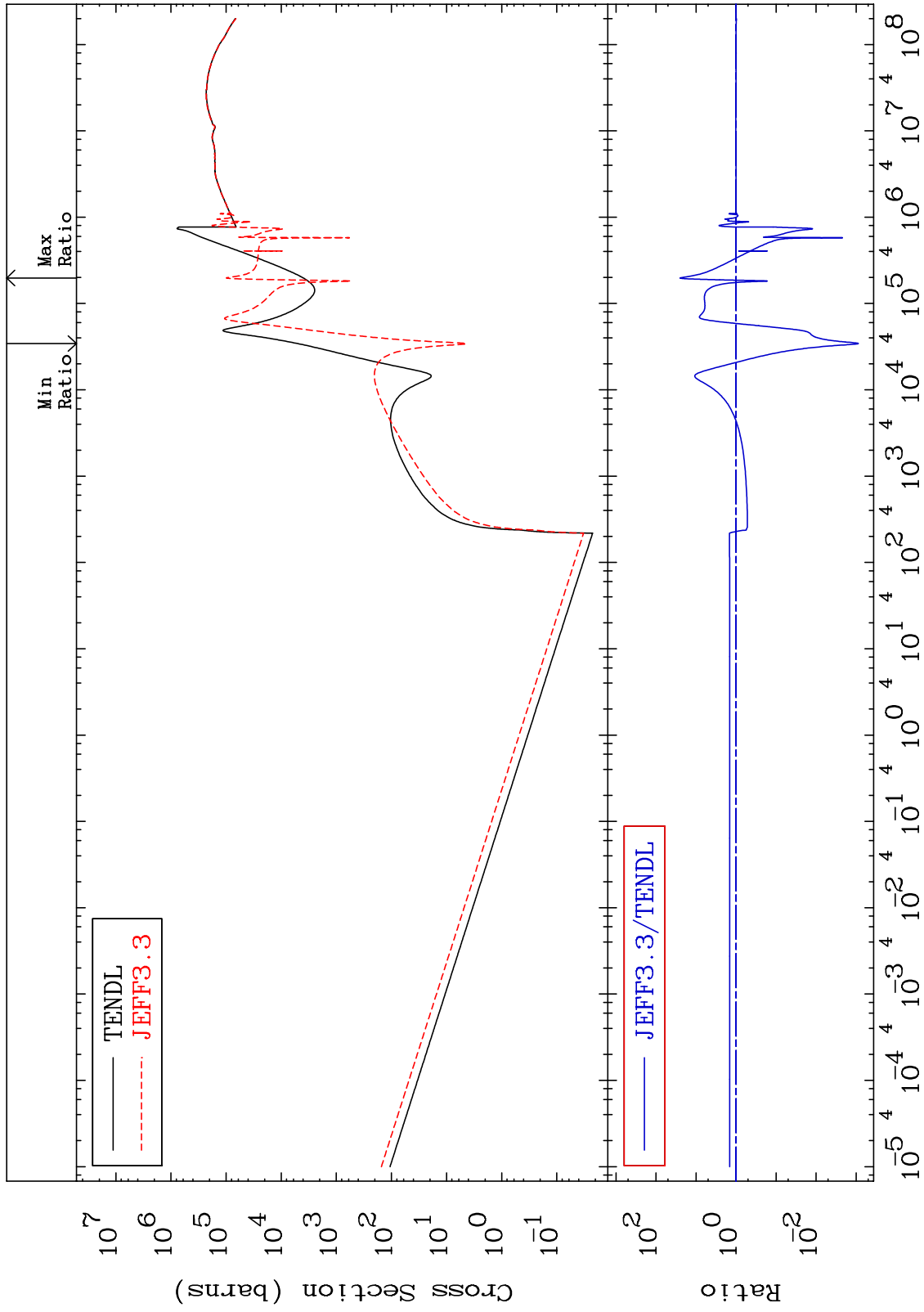
Incident Energy (eV)

16-S -36

MAT 1637

Dpa total (eV-barns)
Cross Section

16-S -36
-99.91 To 2409. %



74

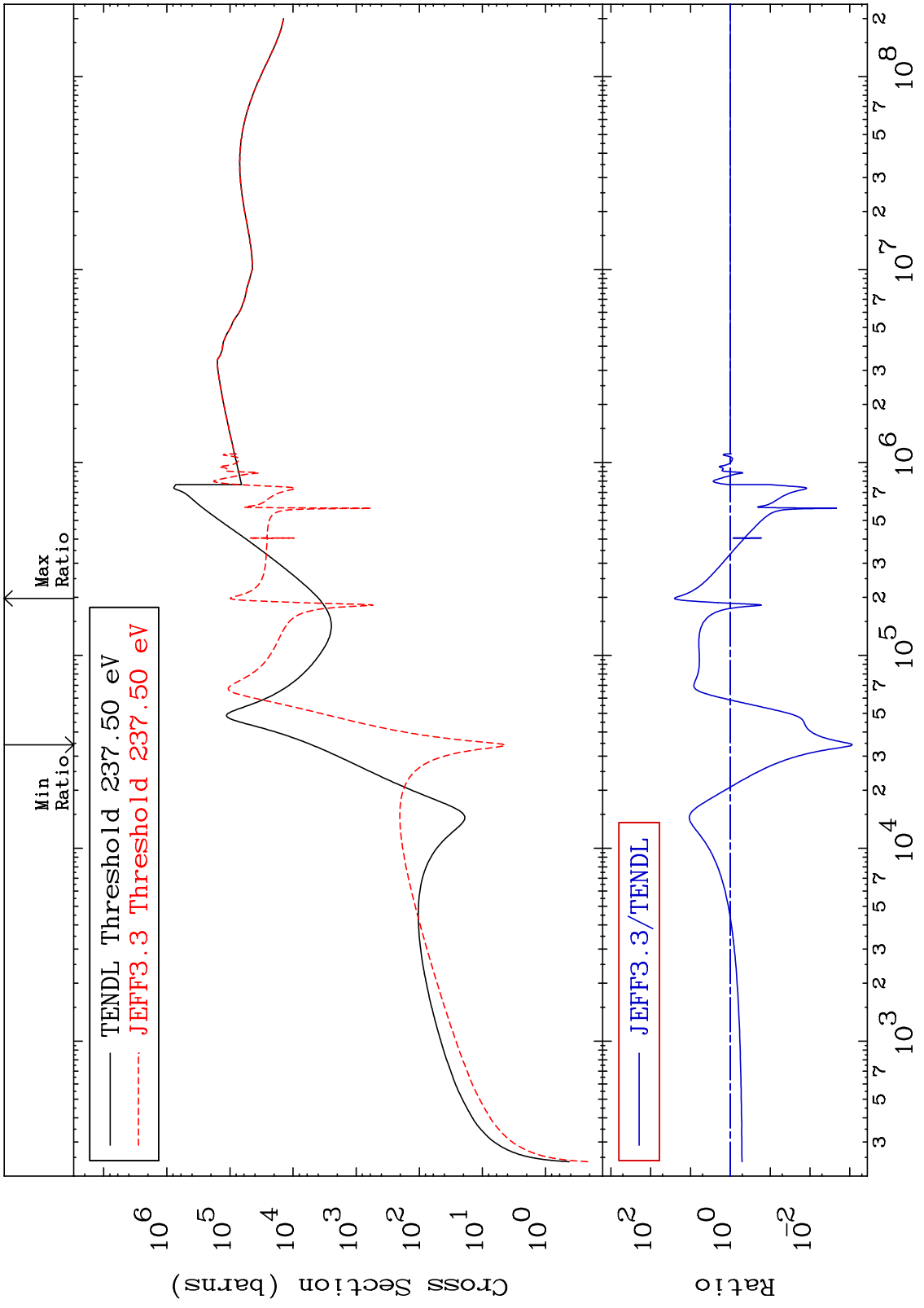
Incident Energy (eV)

16-S -36

MAT 1637

Dpa elastic (mt2)
Cross Section

16-S -36
-99.91 To 2409. %



75

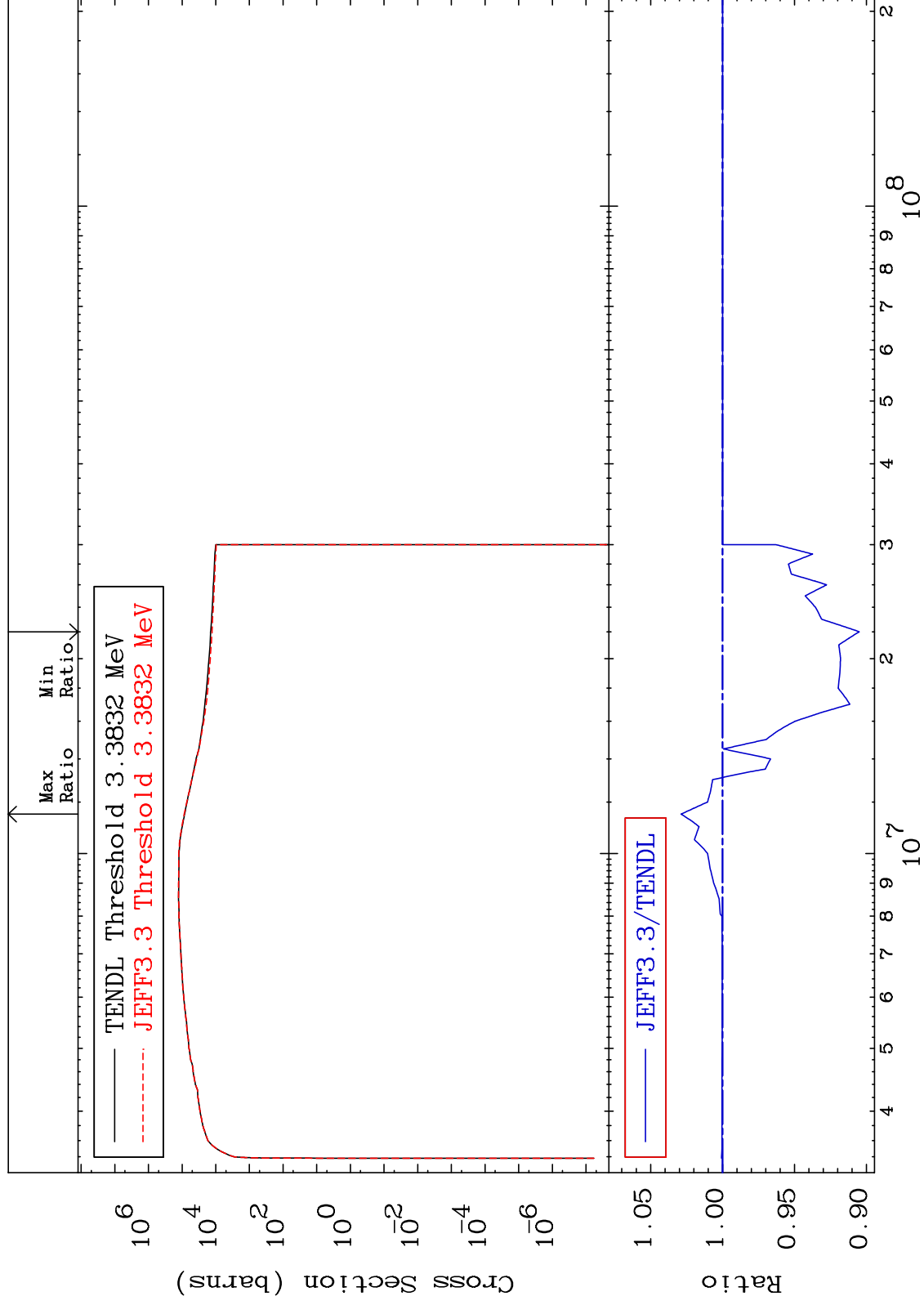
Incident Energy (eV)

16-S -36

MAT 1637

Dpa inelastic (mt51-91)
Cross Section

16-S -36
-9.503 To 2.884 %



76

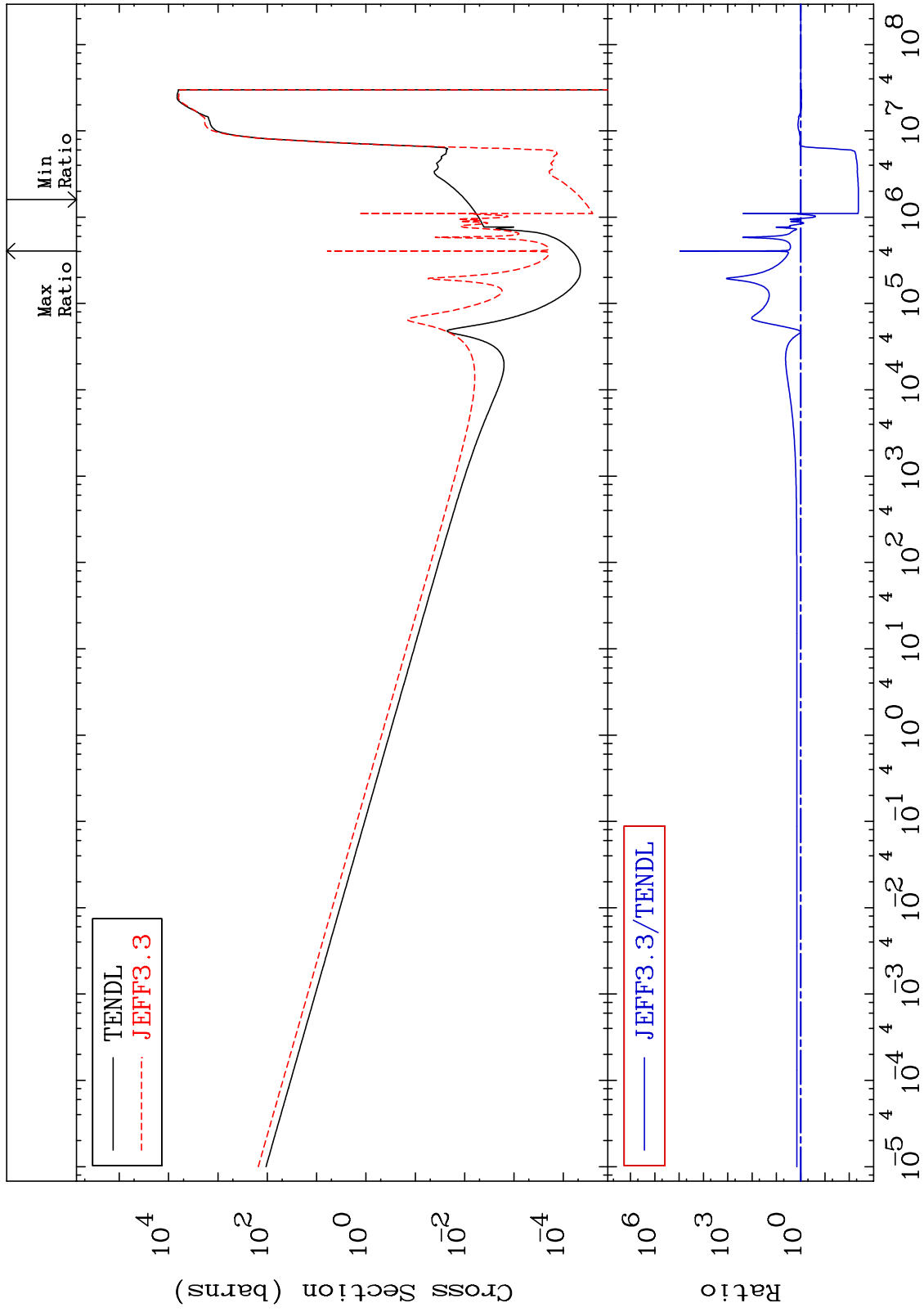
Incident Energy (eV)

16-S -36

MAT 1637

Dpa disappearance (mt102 -120)
Cross Section

16-S -36
-99.58 To 9999. %



77

Incident Energy (eV)

16-S -36