

Program Complot
(Version 2018-1)

by

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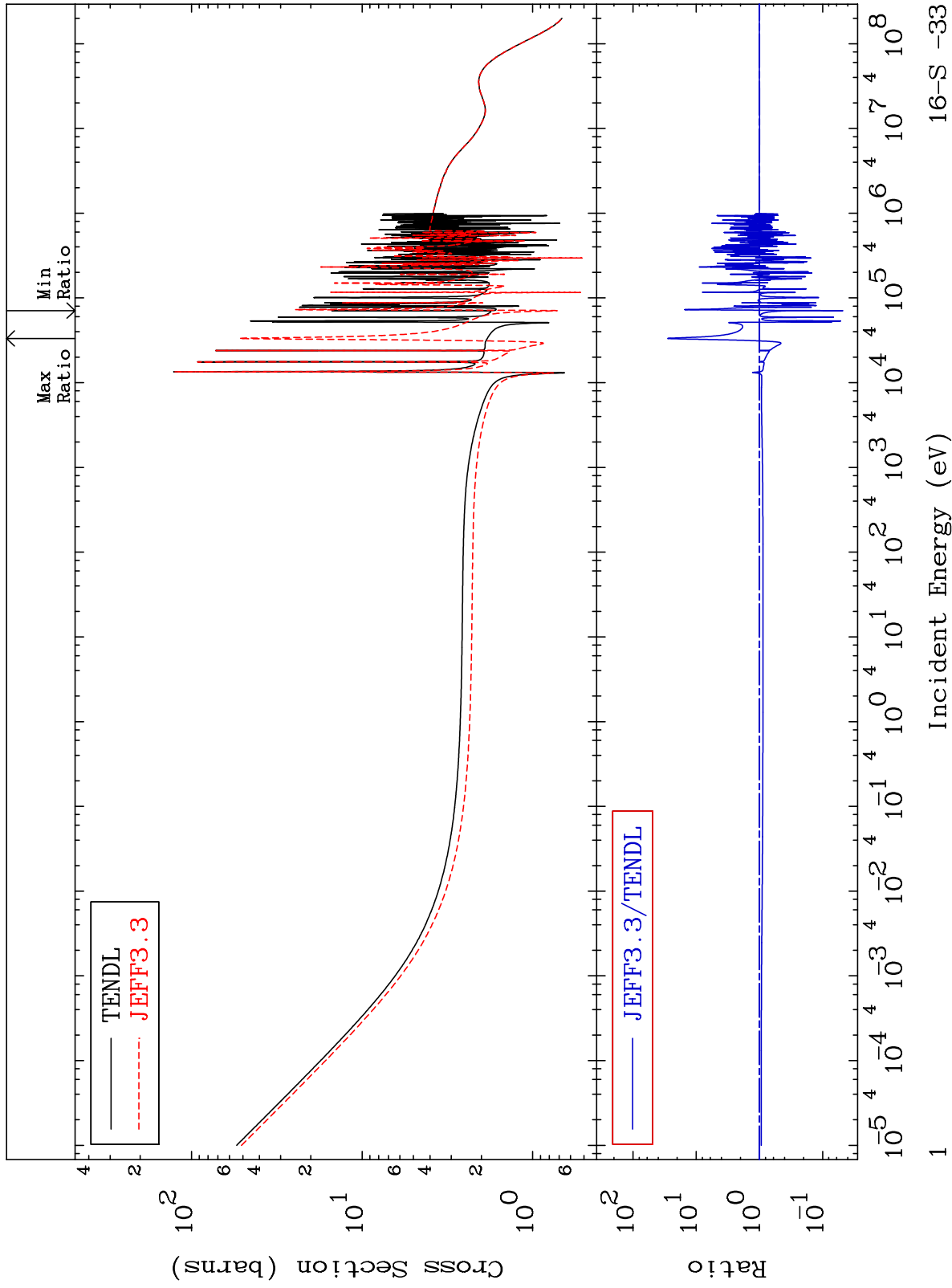
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1628

Total
Cross Section

16-S -33
-95.18 To 2744. %

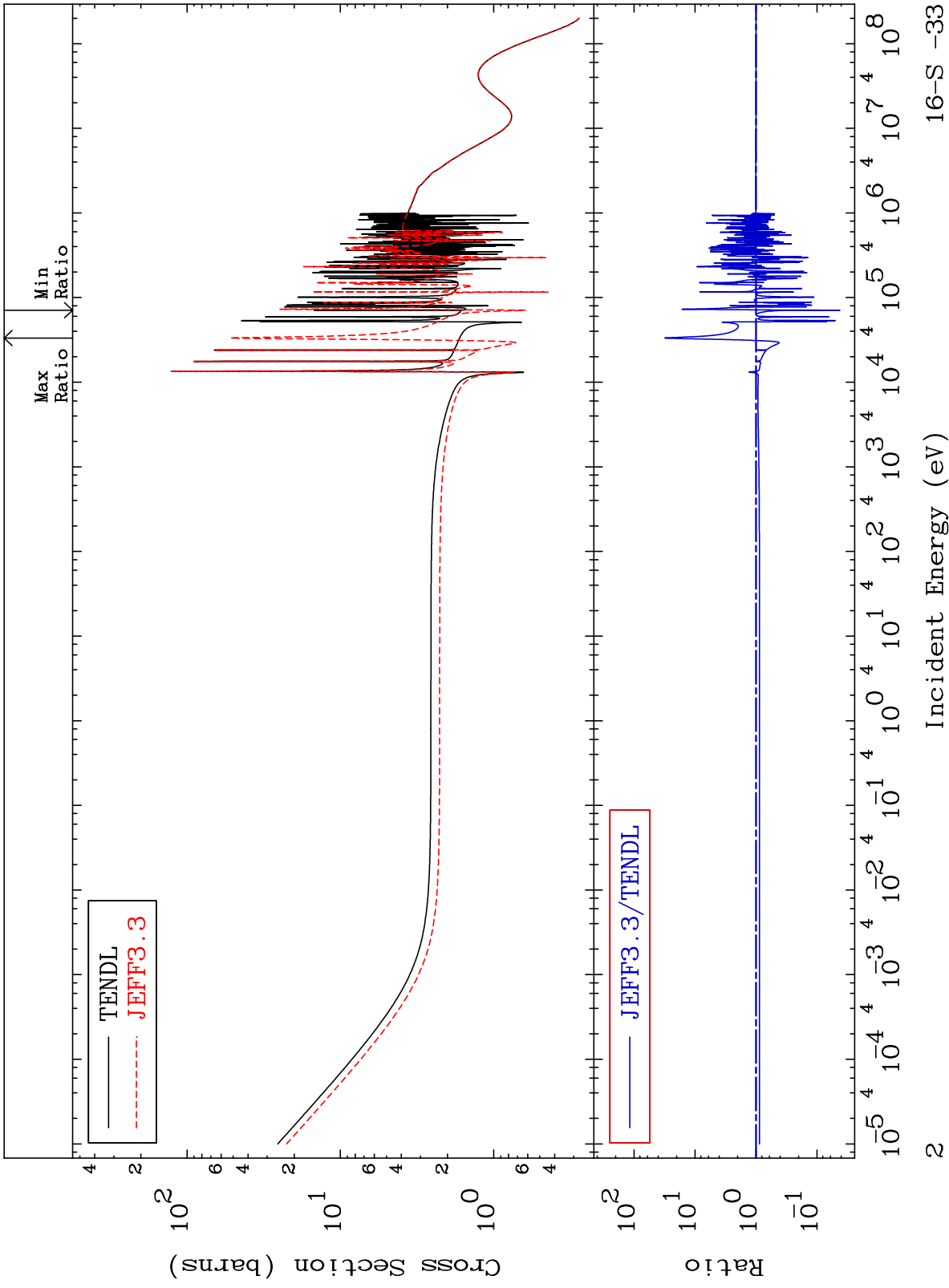


16-S -33

MAT 1628

Elastic
Cross Section

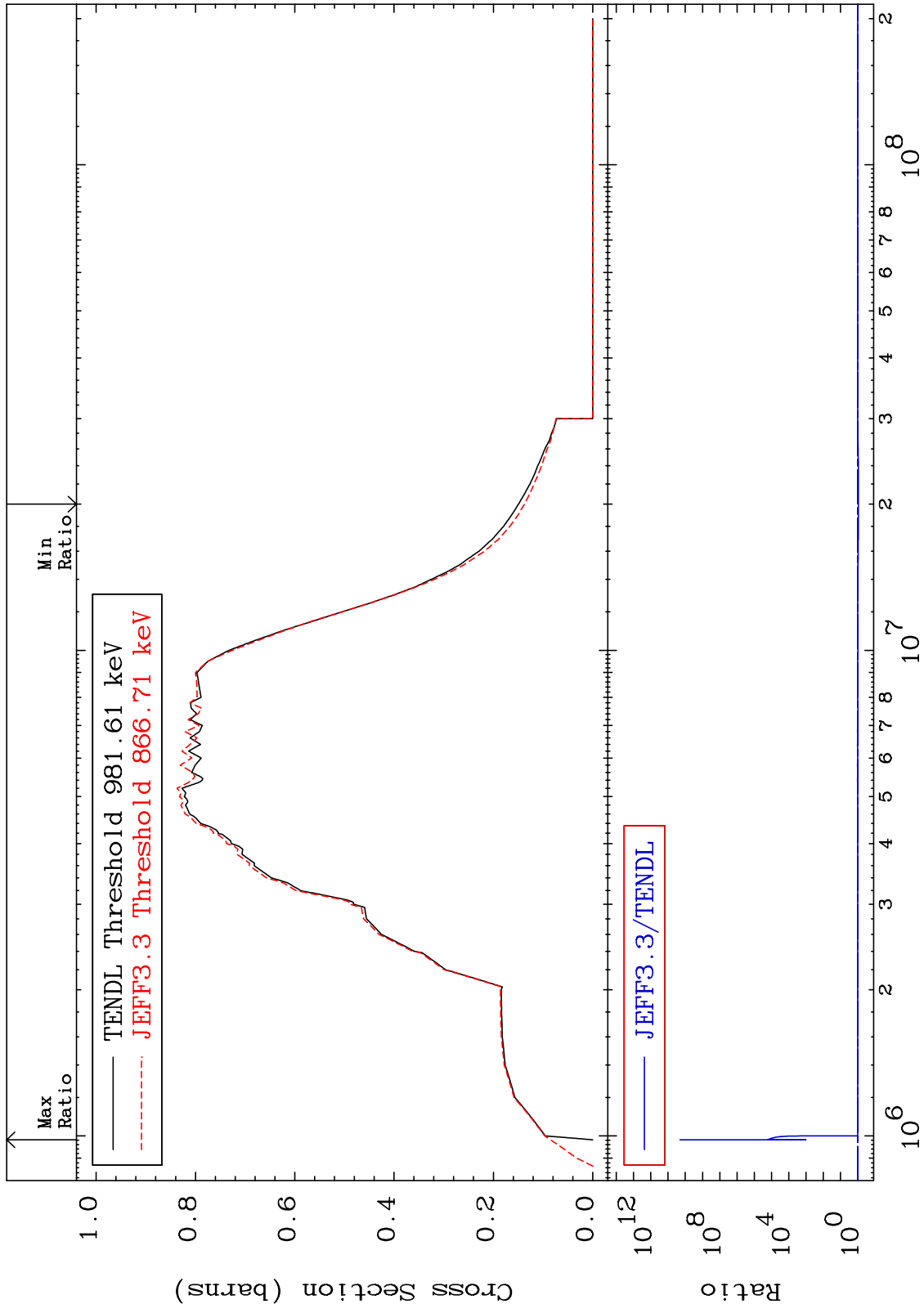
16-S -33
-95.77 To 3038. %



16-S -33

Incident Energy (eV)

2



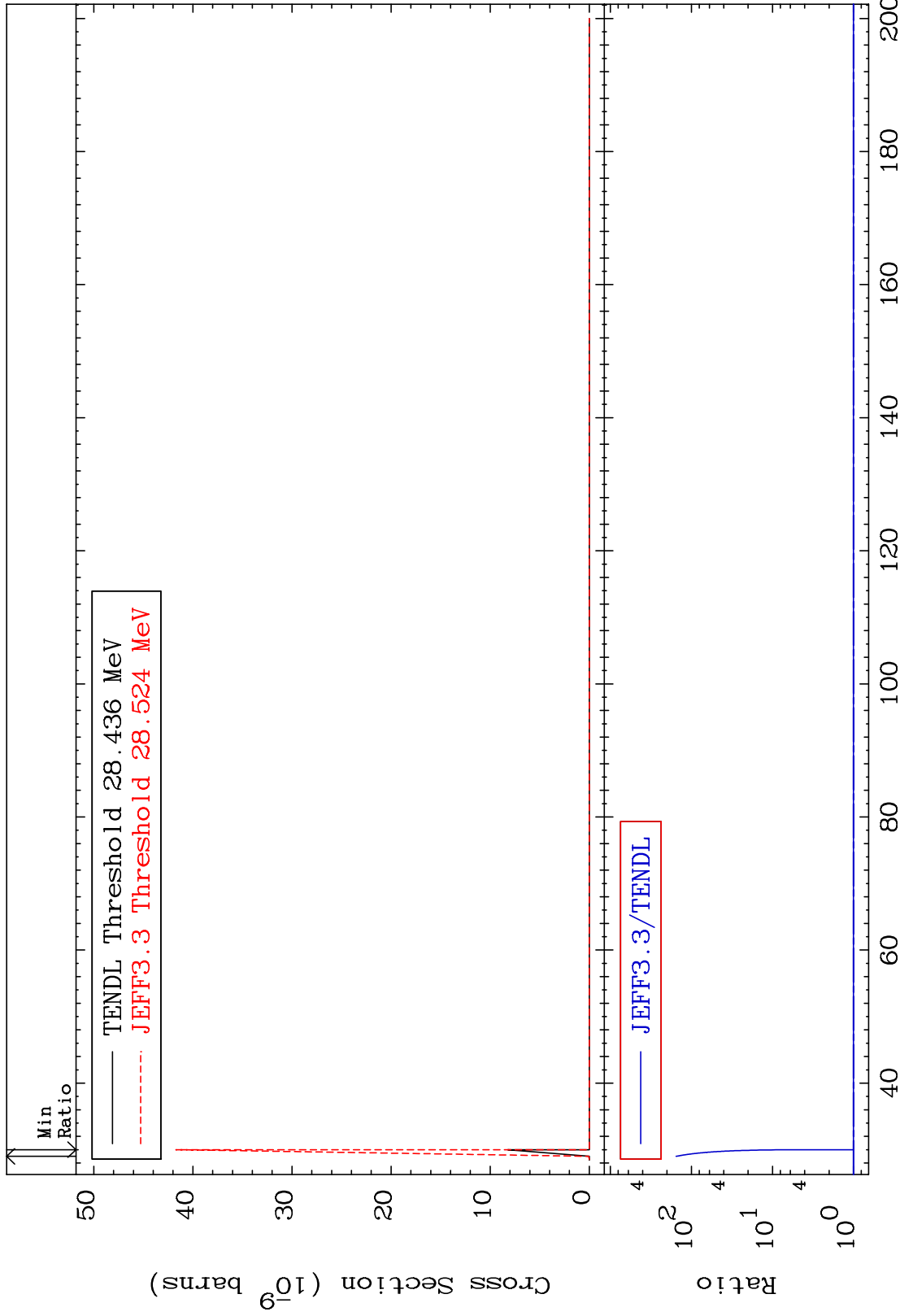
MAT 1628

(n,2n) d

16-S -33

Cross Section

0.000 To 9999. %



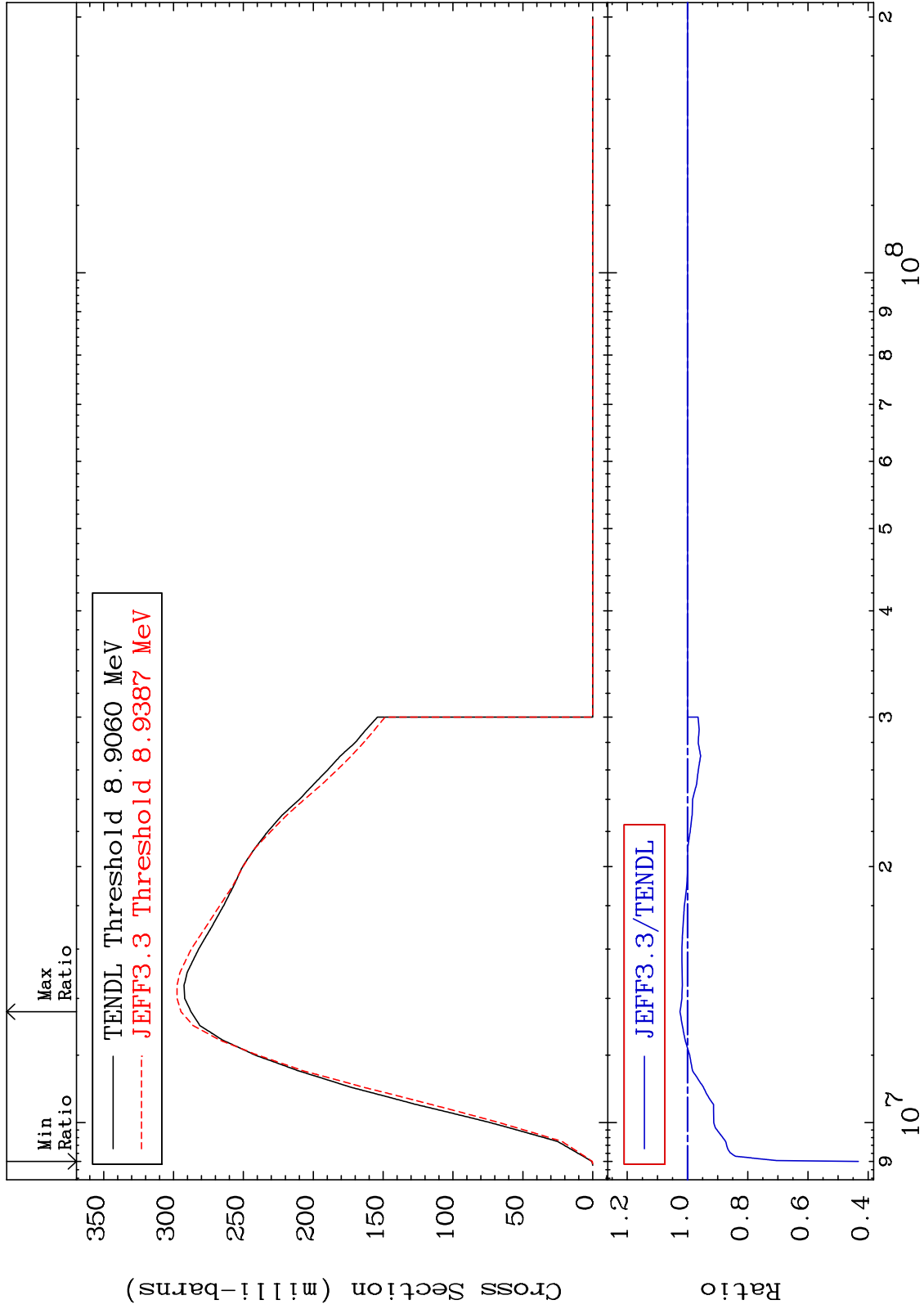
MAT 1628

(n,2n)

16-S -33

Cross Section

-56.76 To 2.485 %



5

Incident Energy (eV)

16-S -33

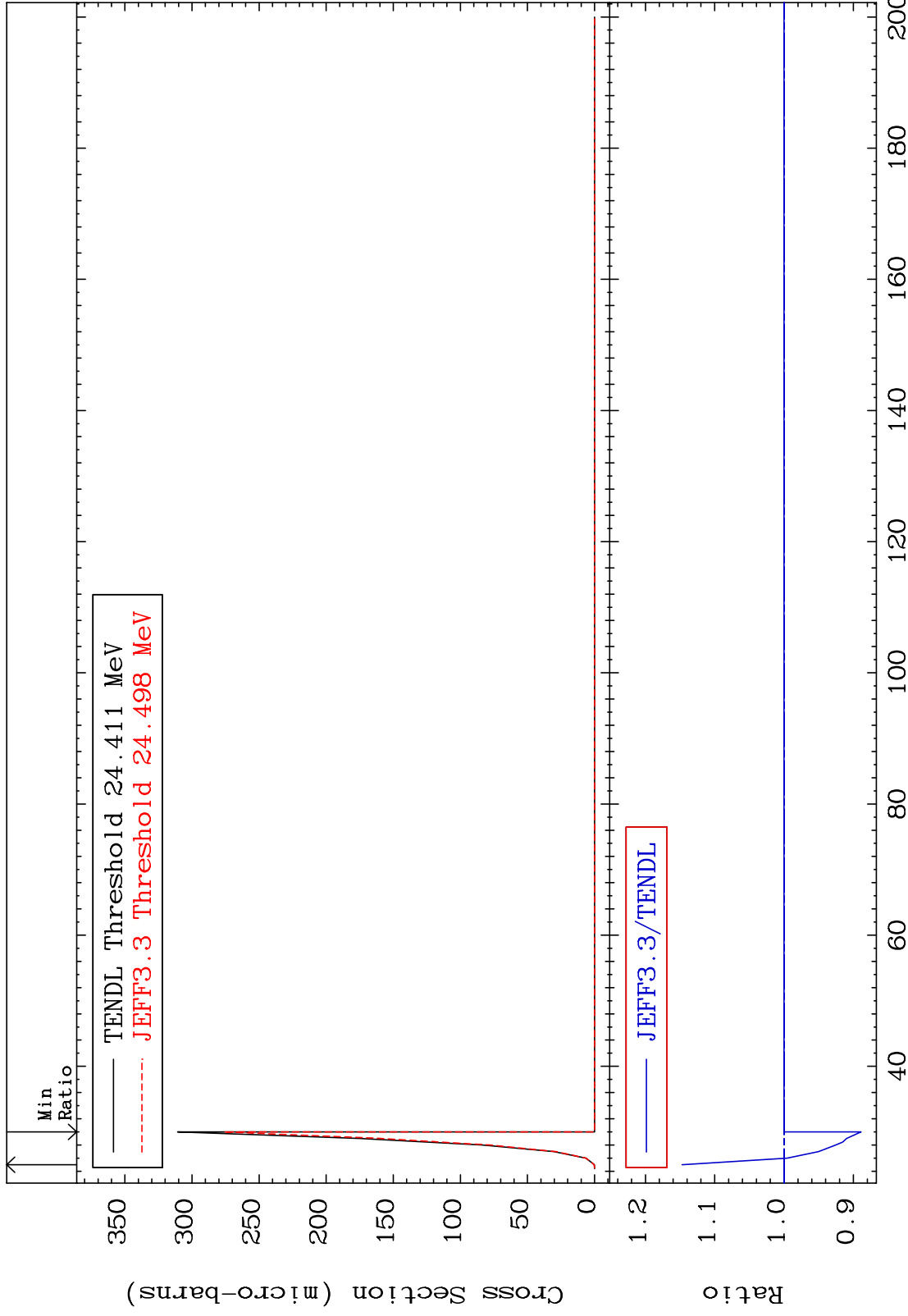
MAT 1628

(n,3n)

16-S -33

Cross Section

-11.11 To 14.71 %



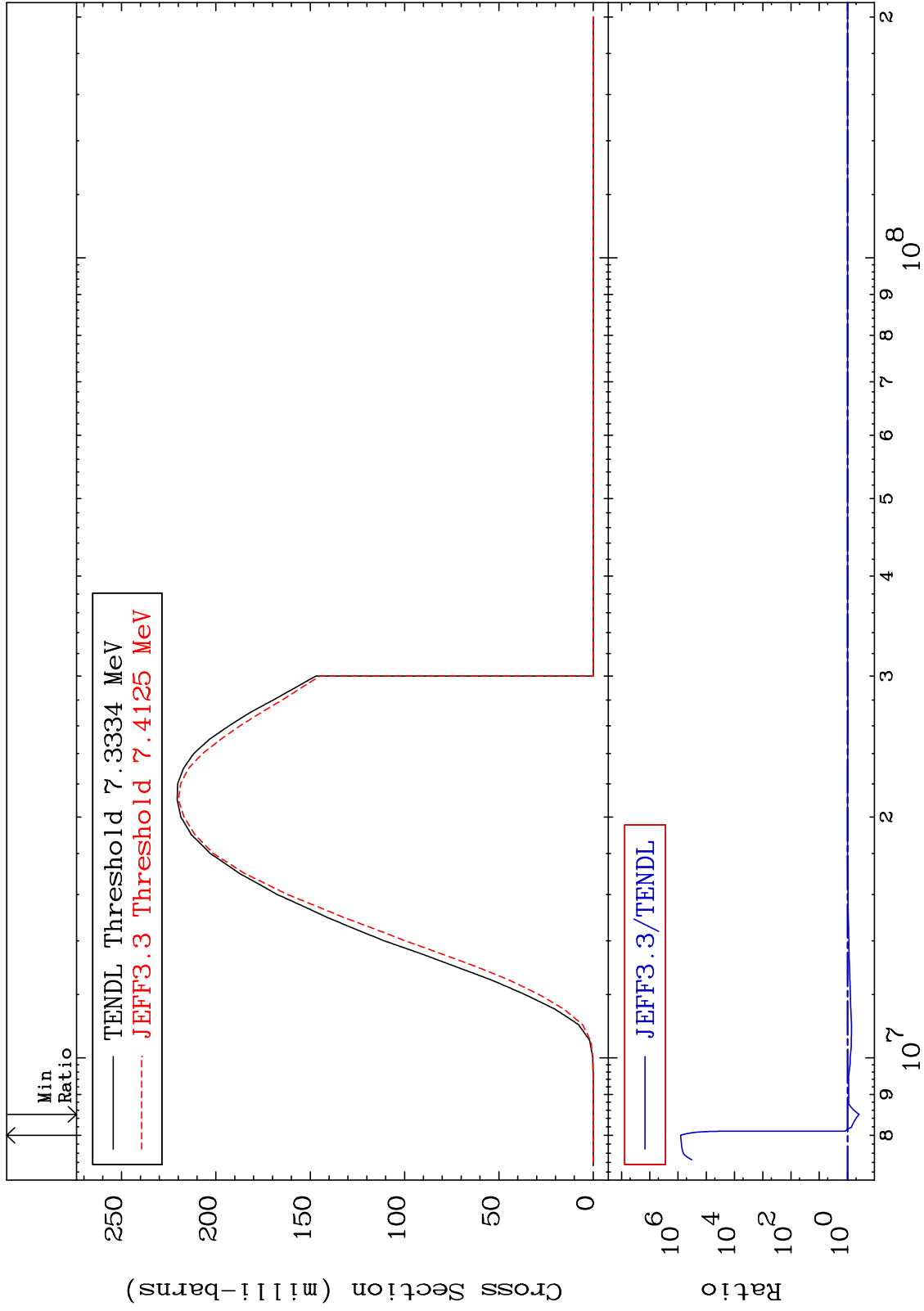
MAT 1628

(n,n') α

16-S -33

Cross Section

-61.34 To 9999. %



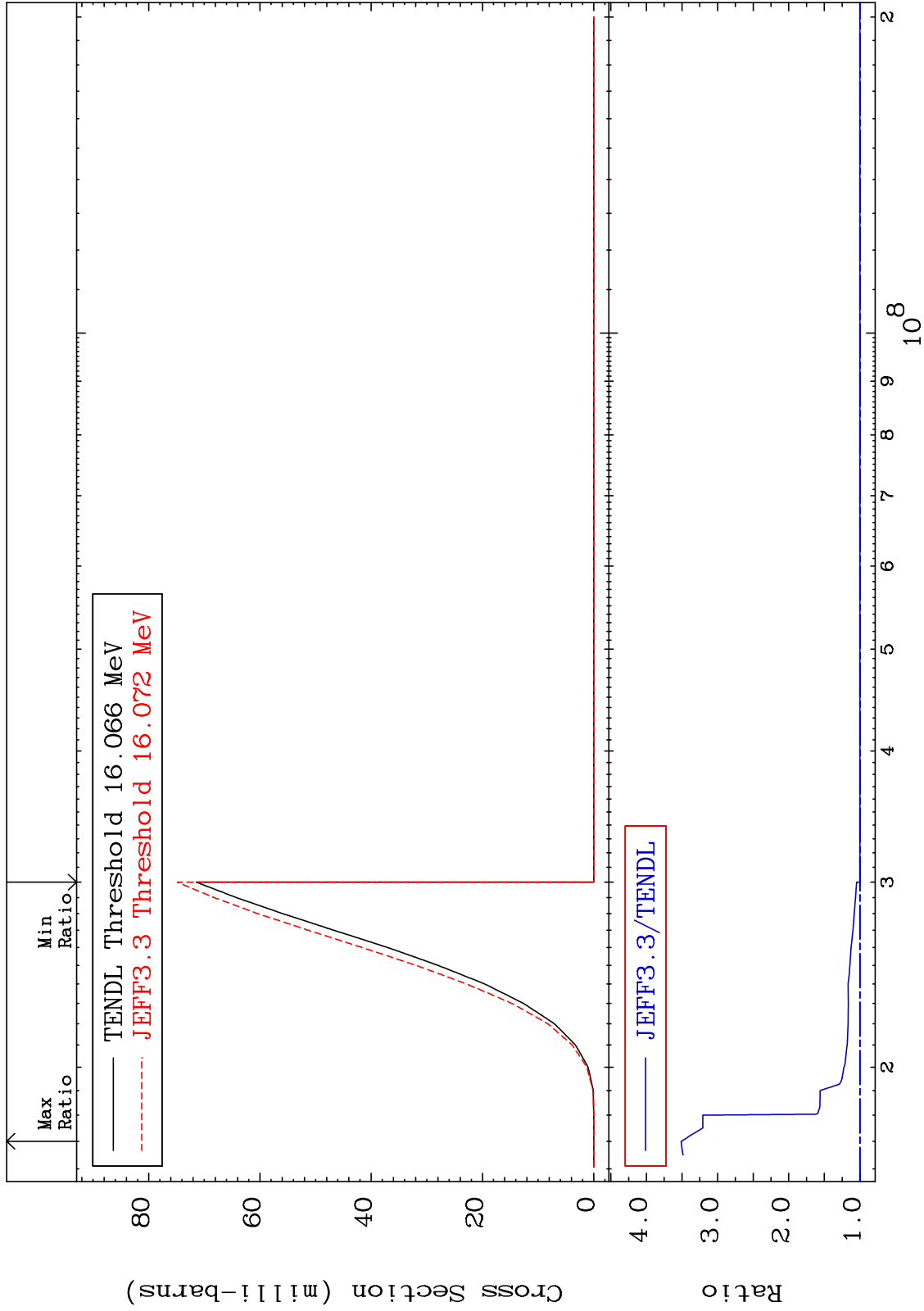
MAT 1628

(n,2n) α

16-S -33

Cross Section

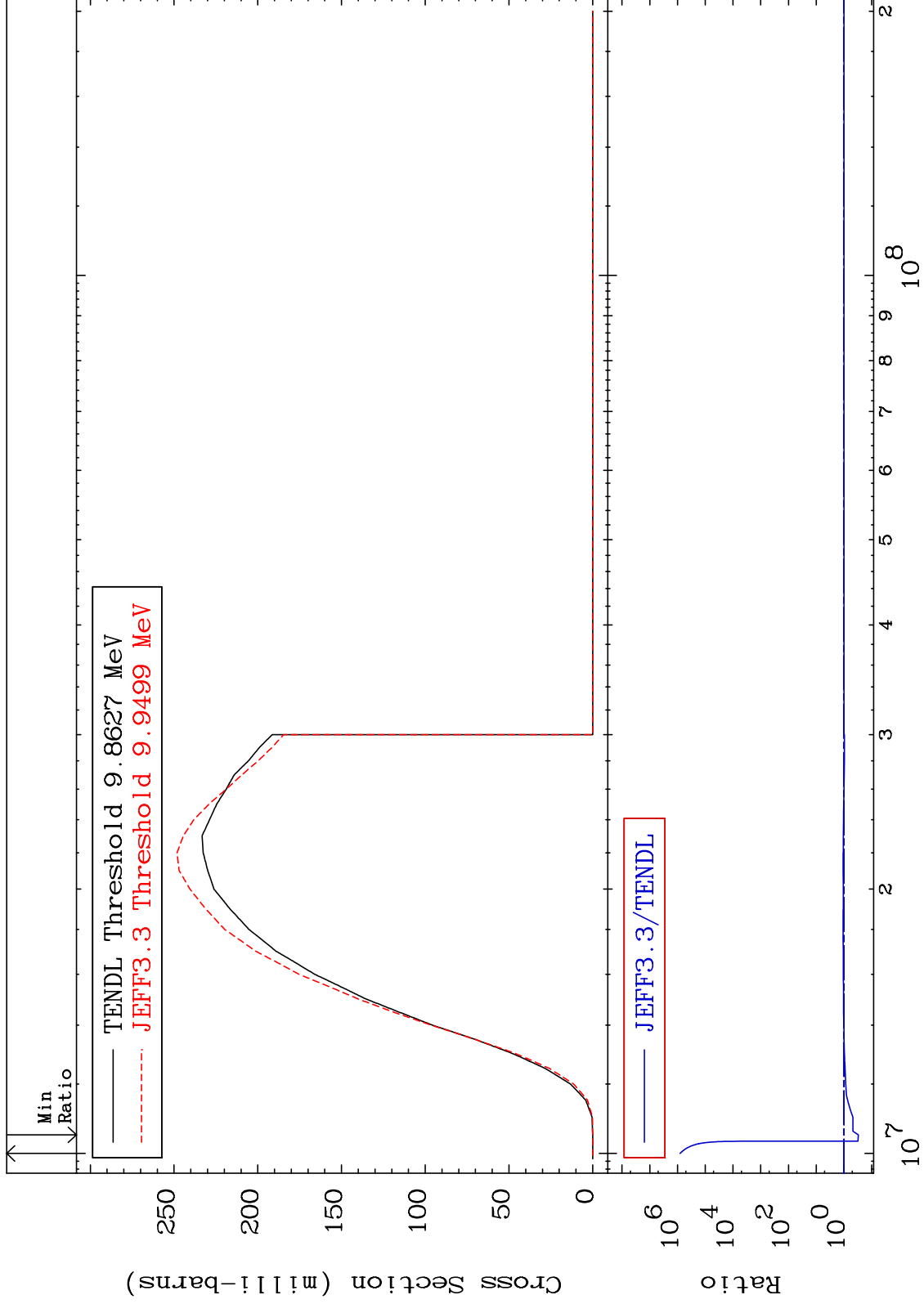
0.000 To 251.1 %



MAT 1628

(n,n') p
Cross Section

16-S -33
-69.78 To 9999. %



Incident Energy (eV)

16-S -33

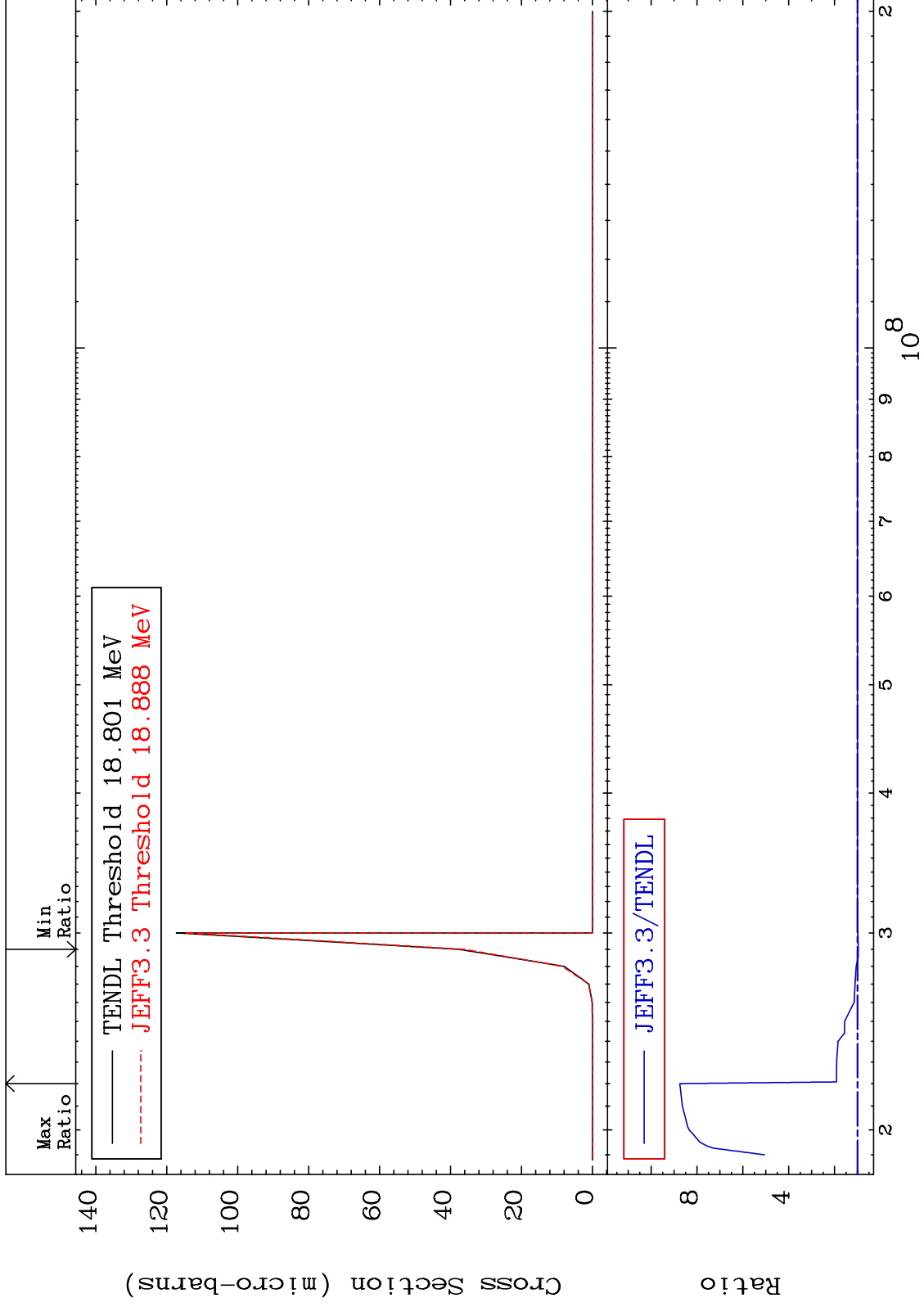
MAT 1628

(n,n') 2 α

16-S -33

Cross Section

-3.879 To 775.0 %



10

Incident Energy (eV)

16-S -33

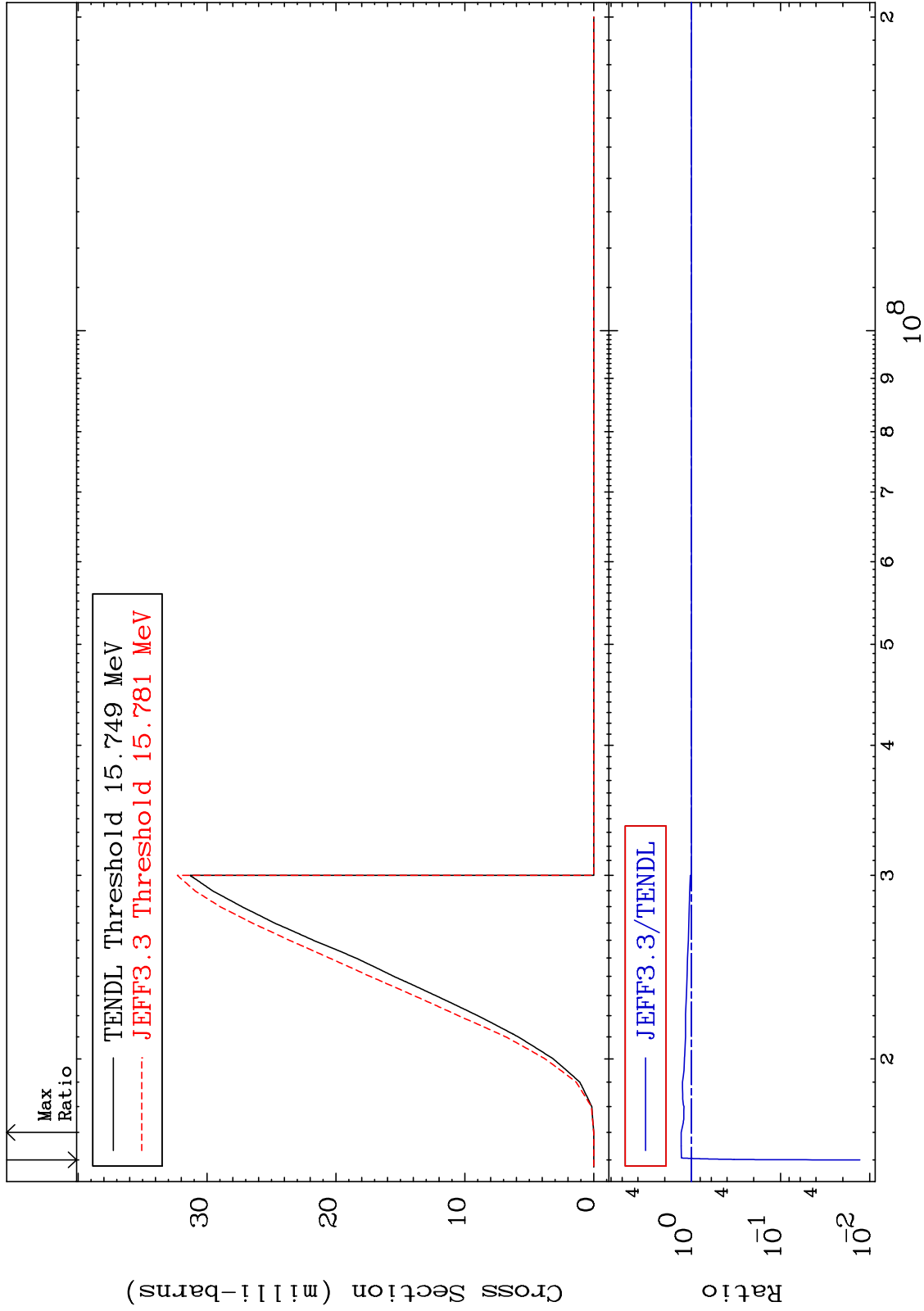
MAT 1628

(n, n') d

16-S -33

Cross Section

-98.71 To 30.37 %



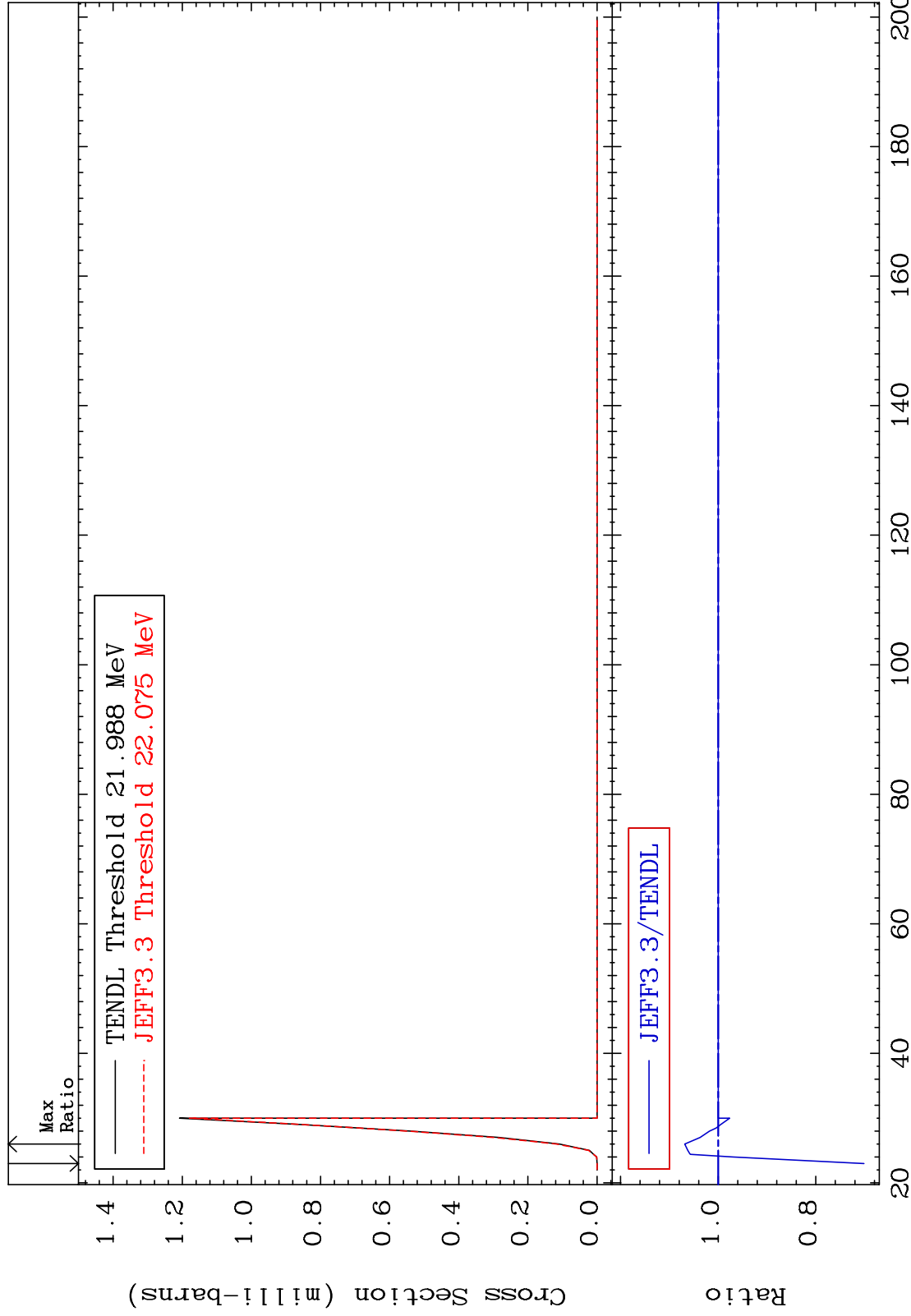
MAT 1628

(n,n') t

16-S -33

Cross Section

-29.87 To 6.843 %



12

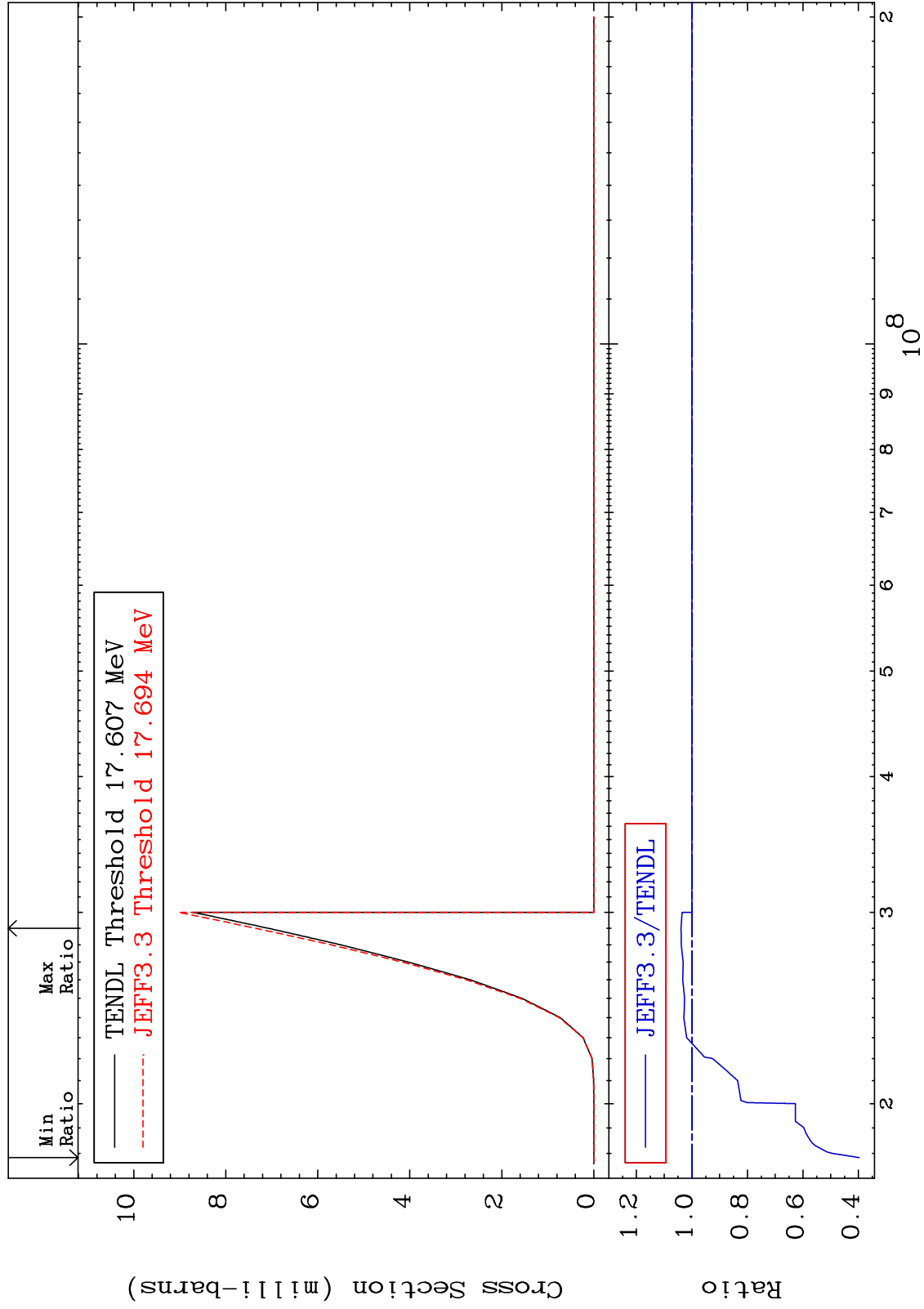
Incident Energy (MeV)

16-S -33

MAT 1628

(n, n') He-3
Cross Section

16-S -33
-60.30 To 3.911 %



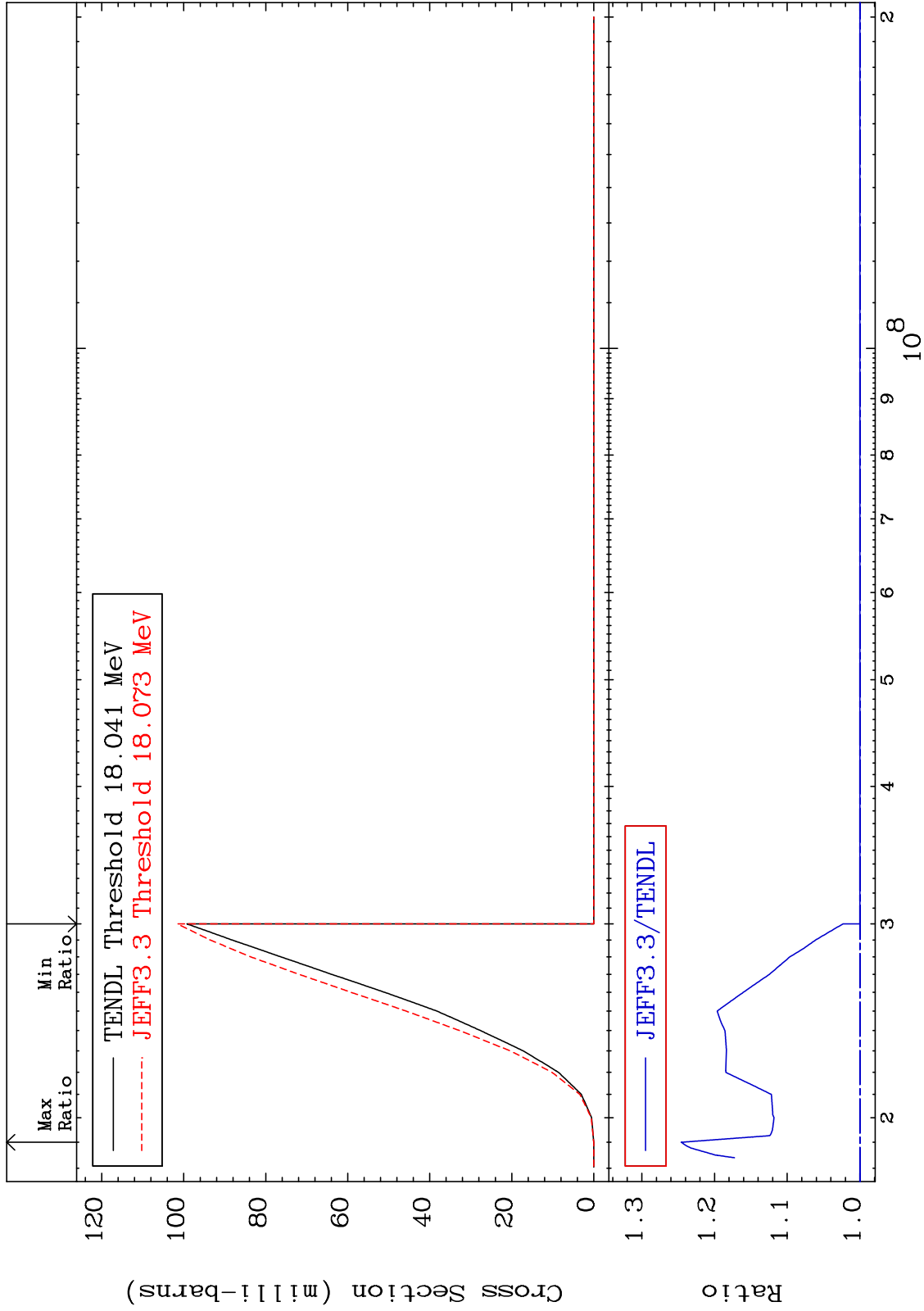
MAT 1628

(n,2n) p

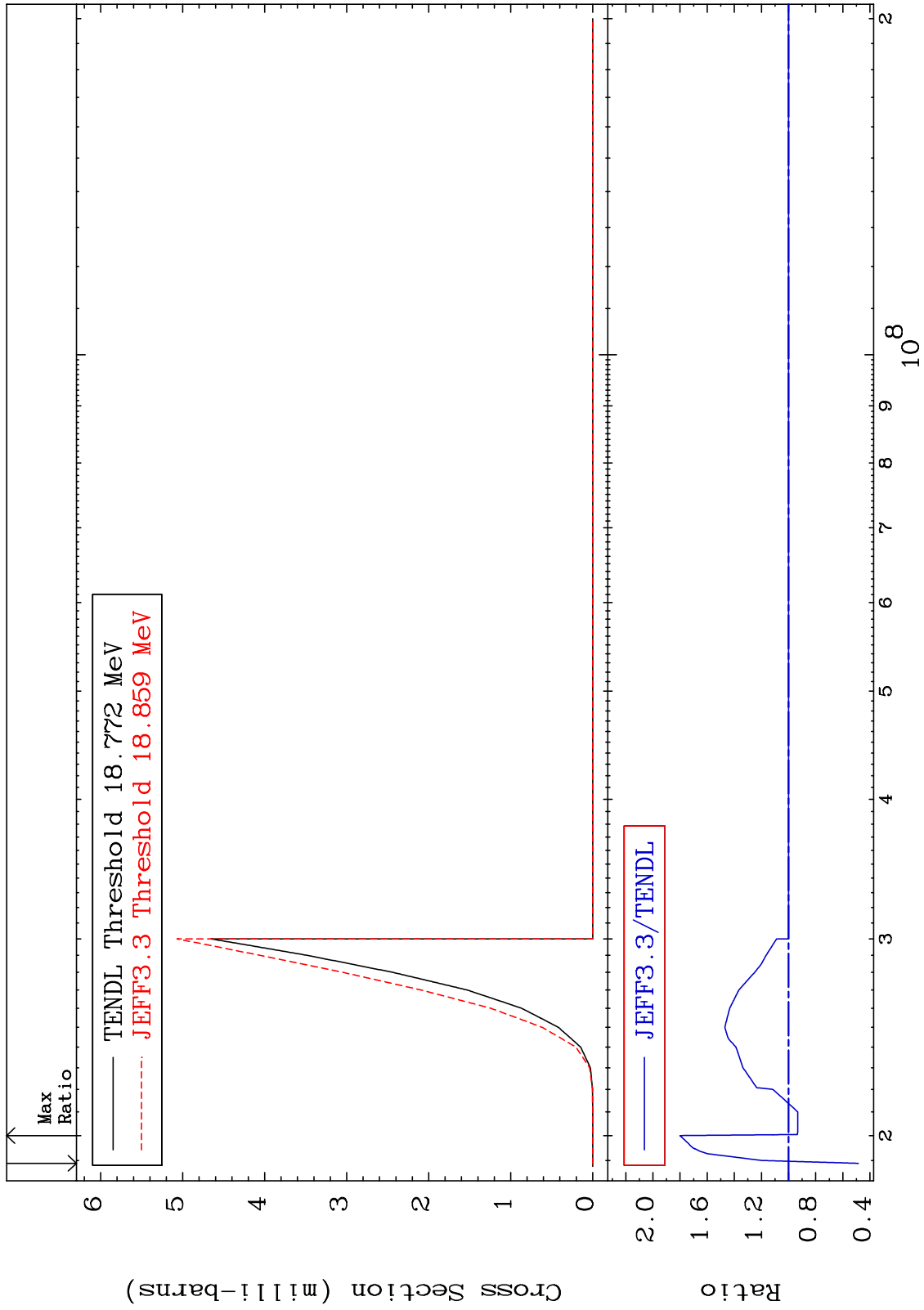
16-S -33

Cross Section

0.000 To 24.58 %



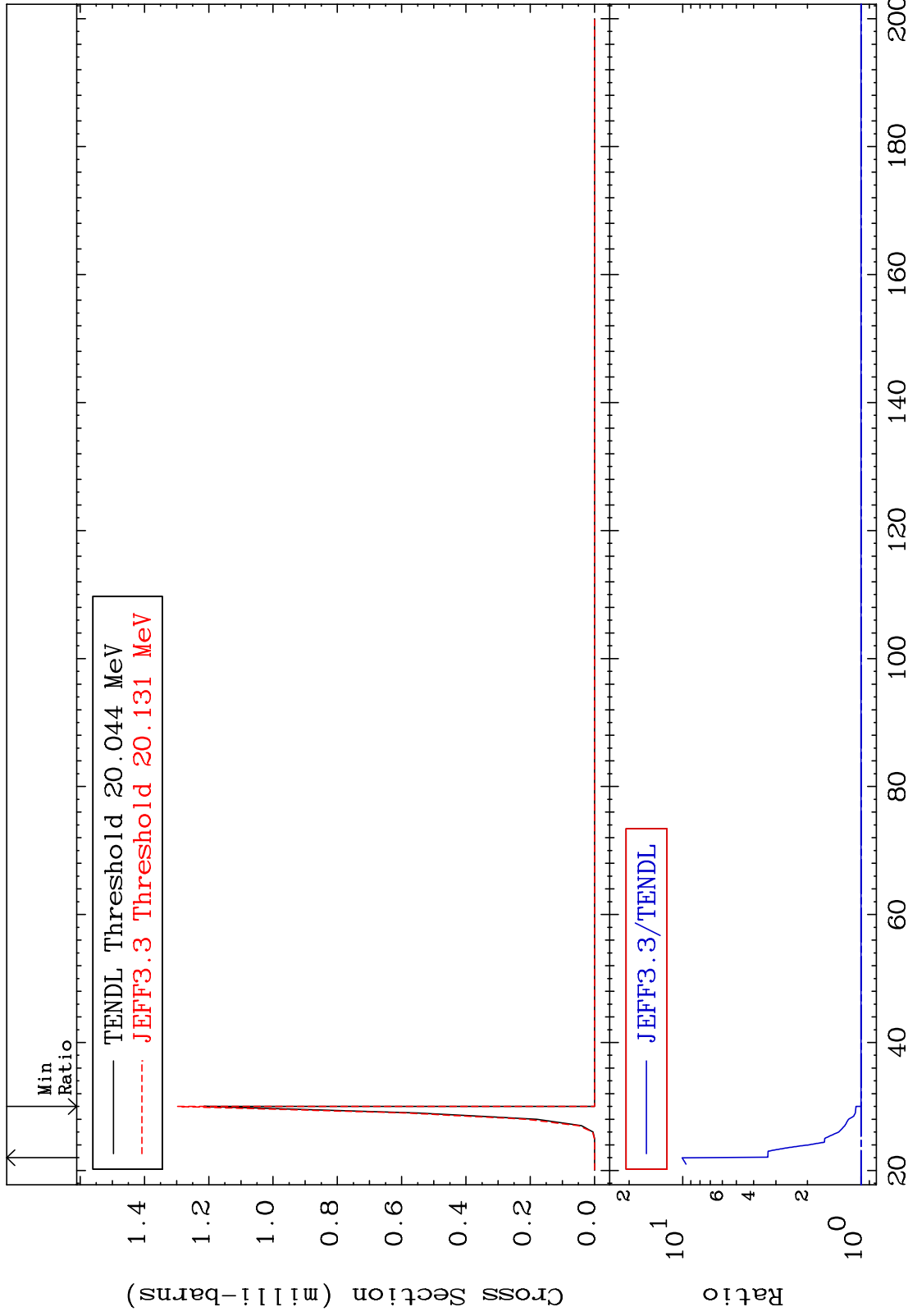
MAT 1628 (n,2n) p 16-S -33
 Cross Section -51.49 To 80.03 %



MAT 1628

(n,n') p α
Cross Section

16-S -33
0.000 To 907.7 %



16

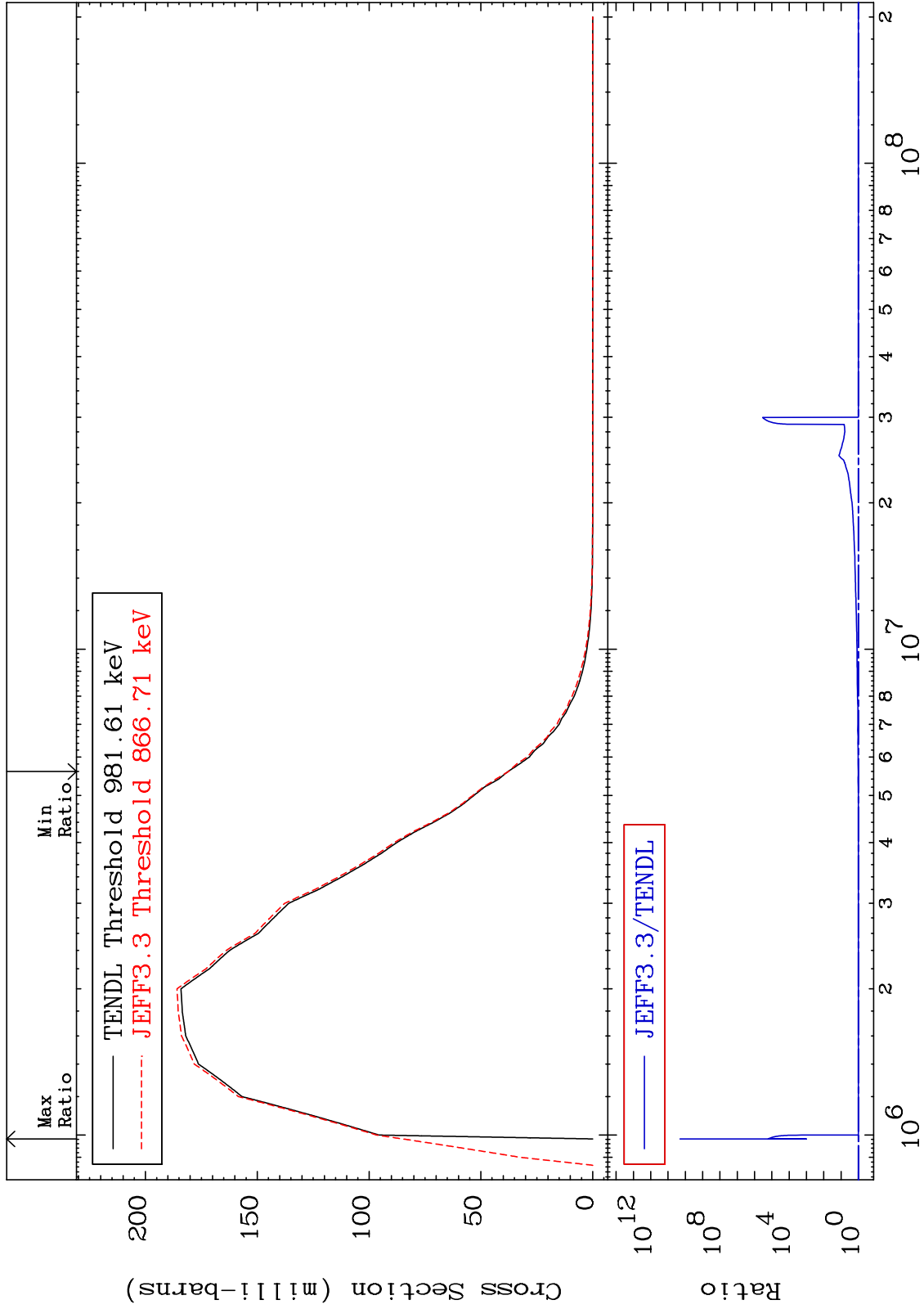
Incident Energy (MeV)

16-S -33

MAT 1628

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

16-S -33
-0.539 To 9999. %



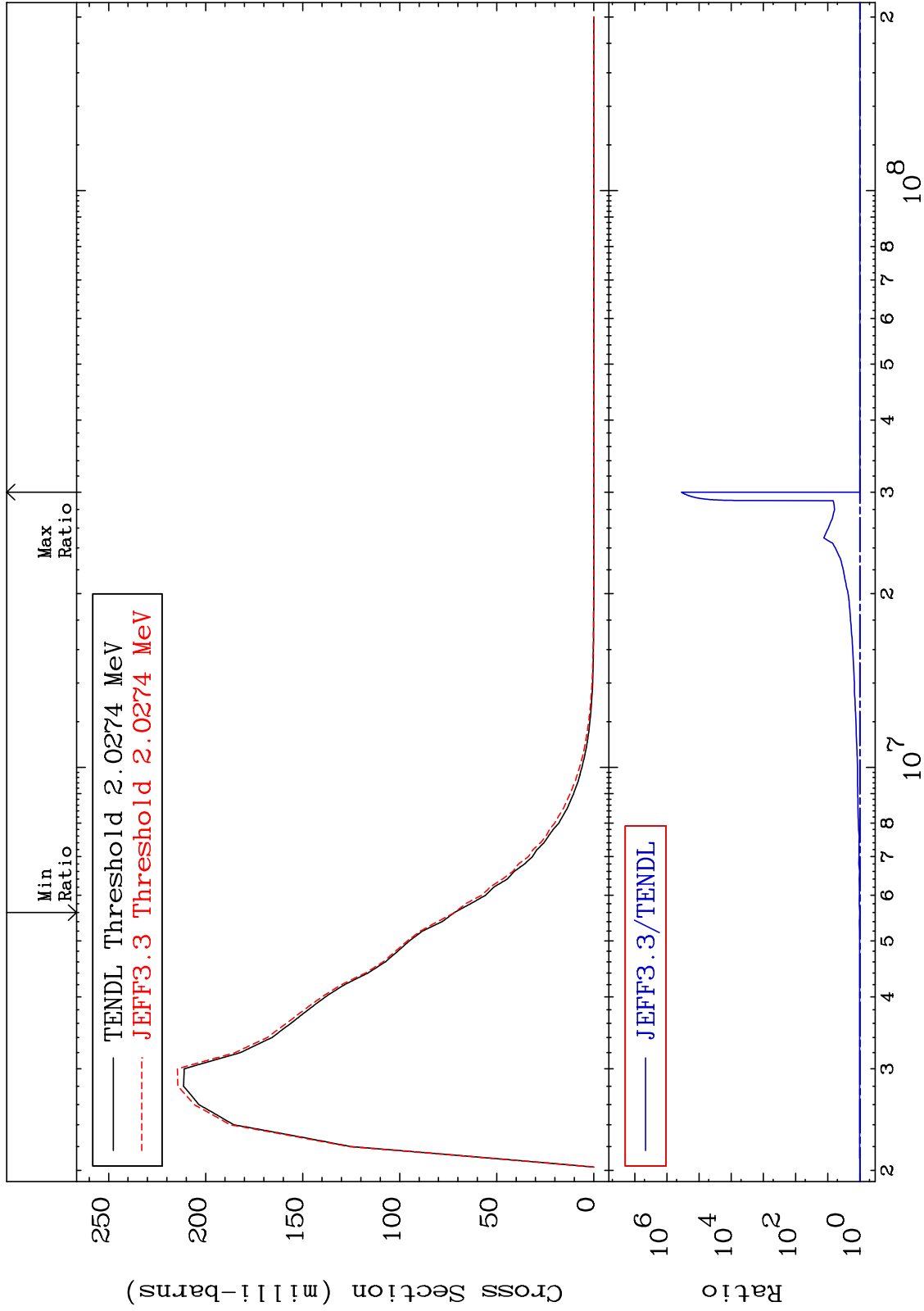
17

16-S -33

MAT 1628

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

16-S -33
-0.326 To 9999. %



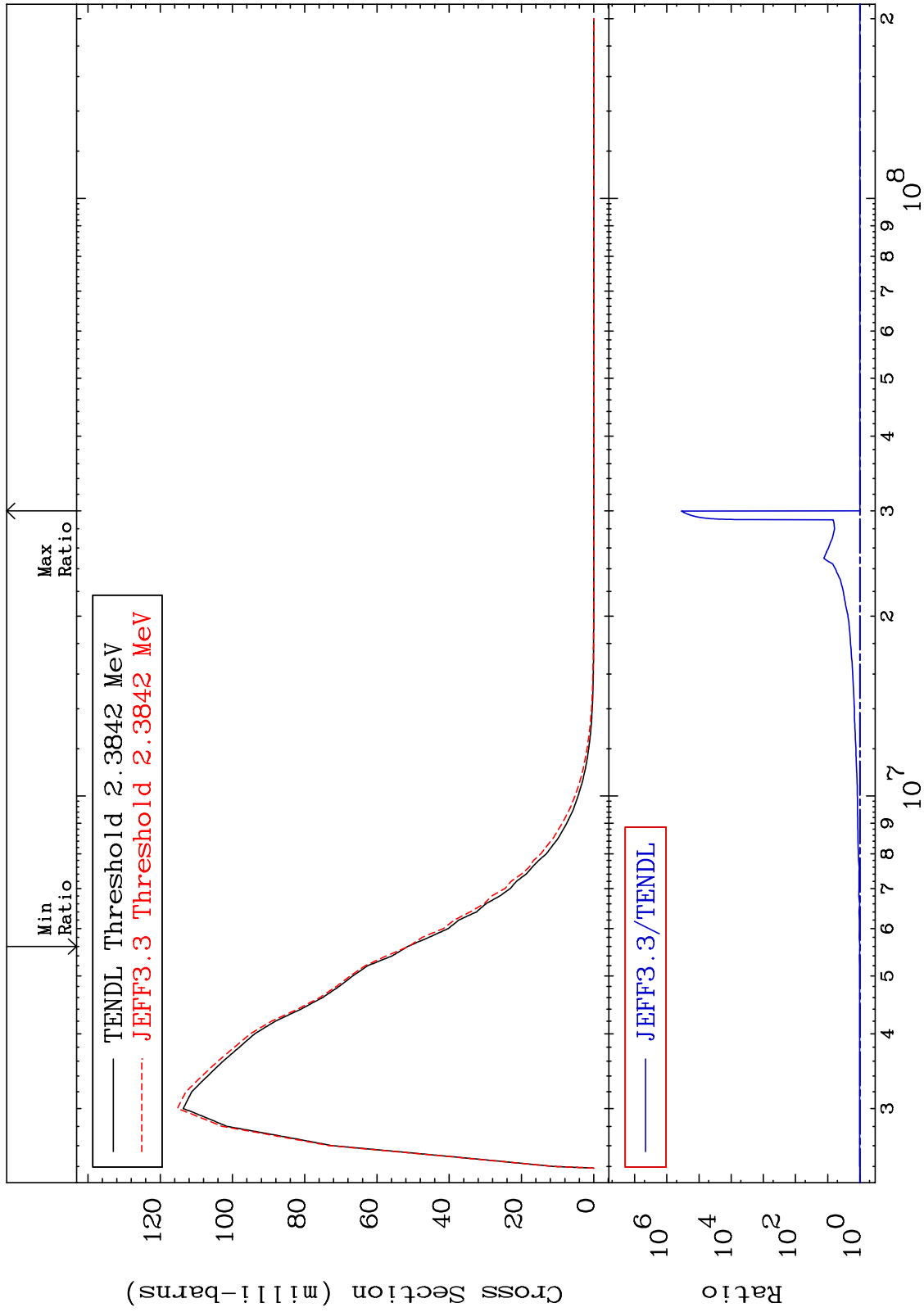
18

16-S -33

MAT 1628

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

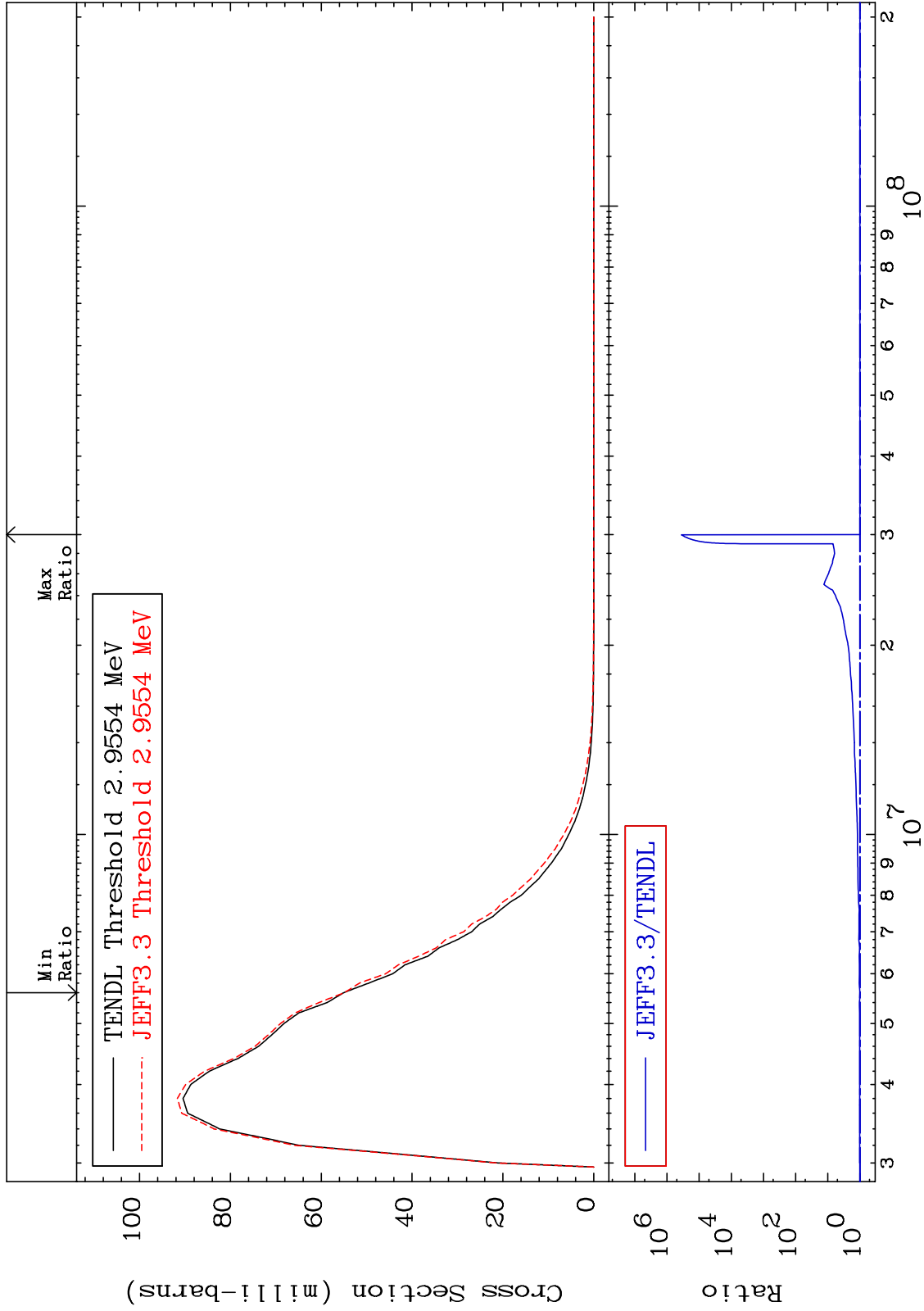
16-S -33
-0.490 To 9999. %



MAT 1628

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

16-S -33
-0.322 To 9999. %



20

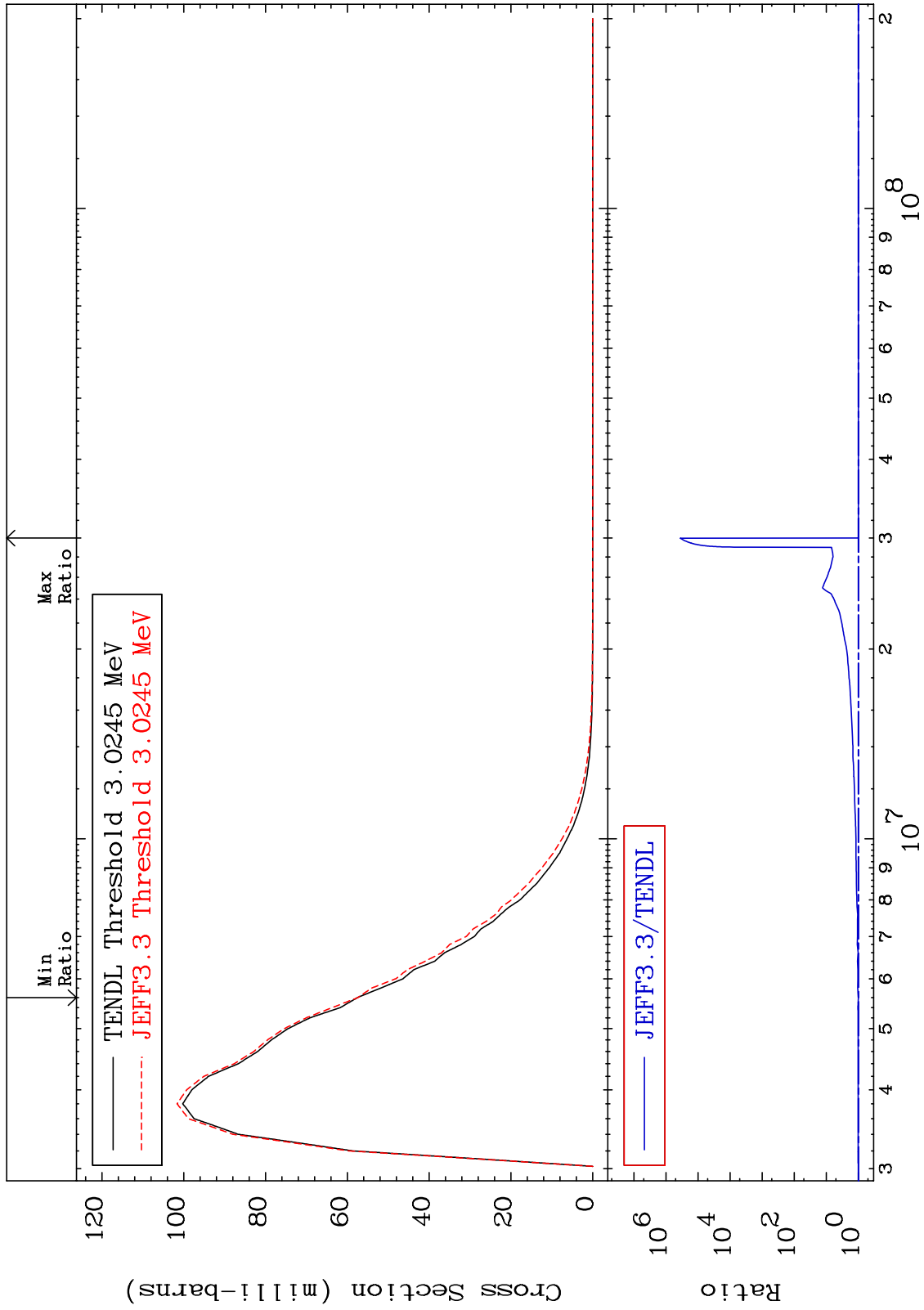
Incident Energy (eV)

16-S -33

MAT 1628

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

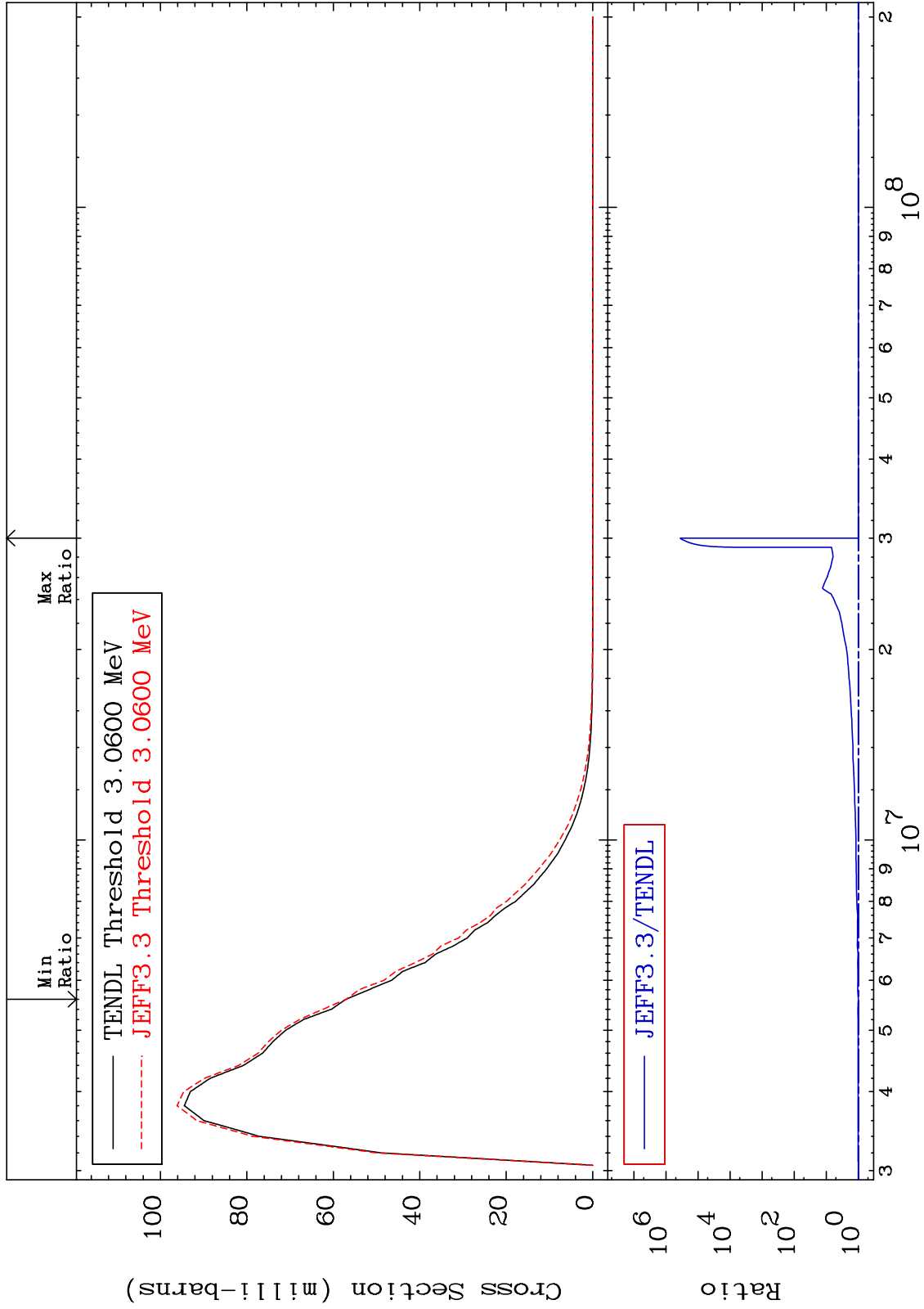
16-S -33
-0.170 To 9999. %



MAT 1628

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

16-S -33
-0.124 To 9999. %



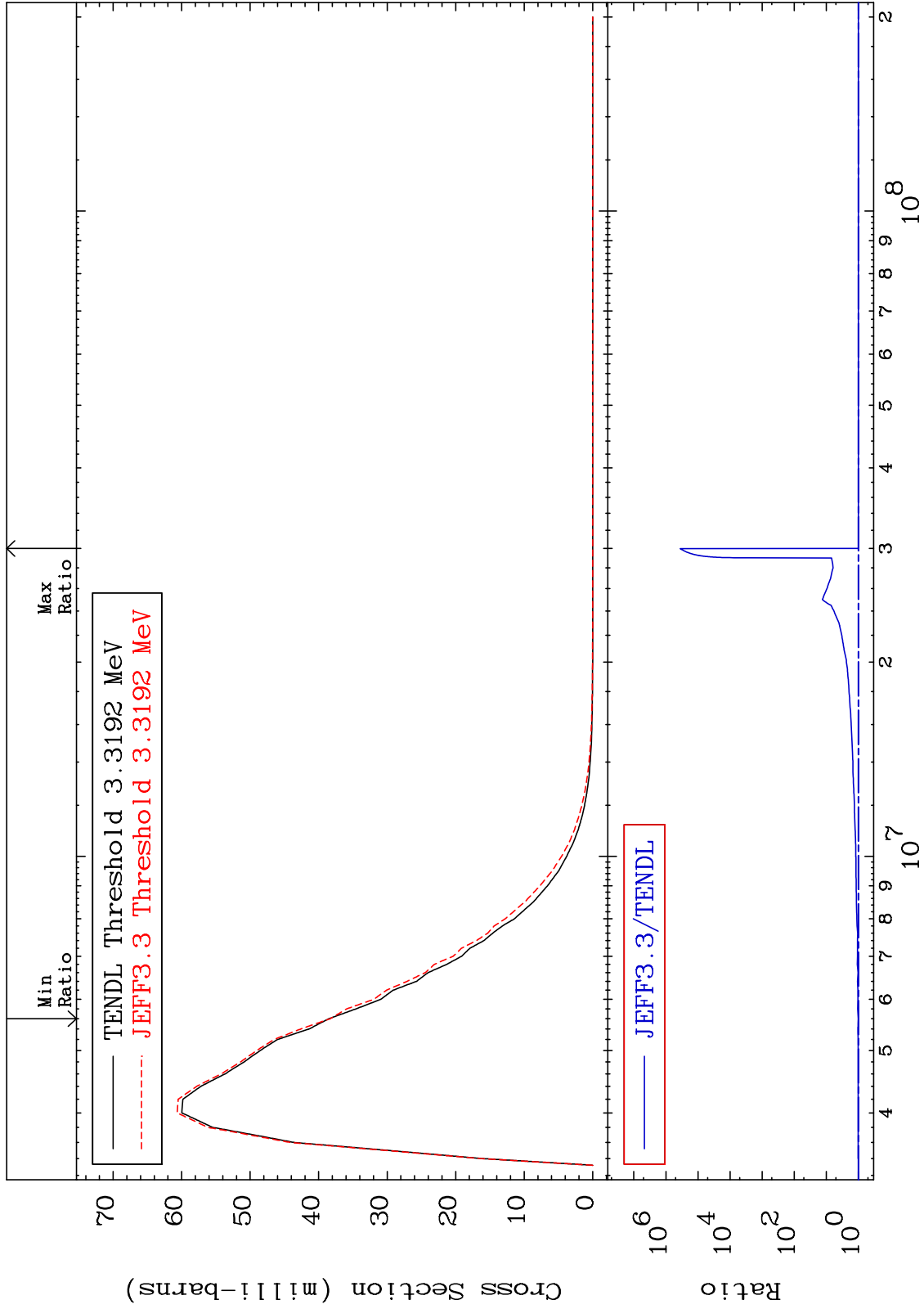
22

16-S -33

MAT 1628

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

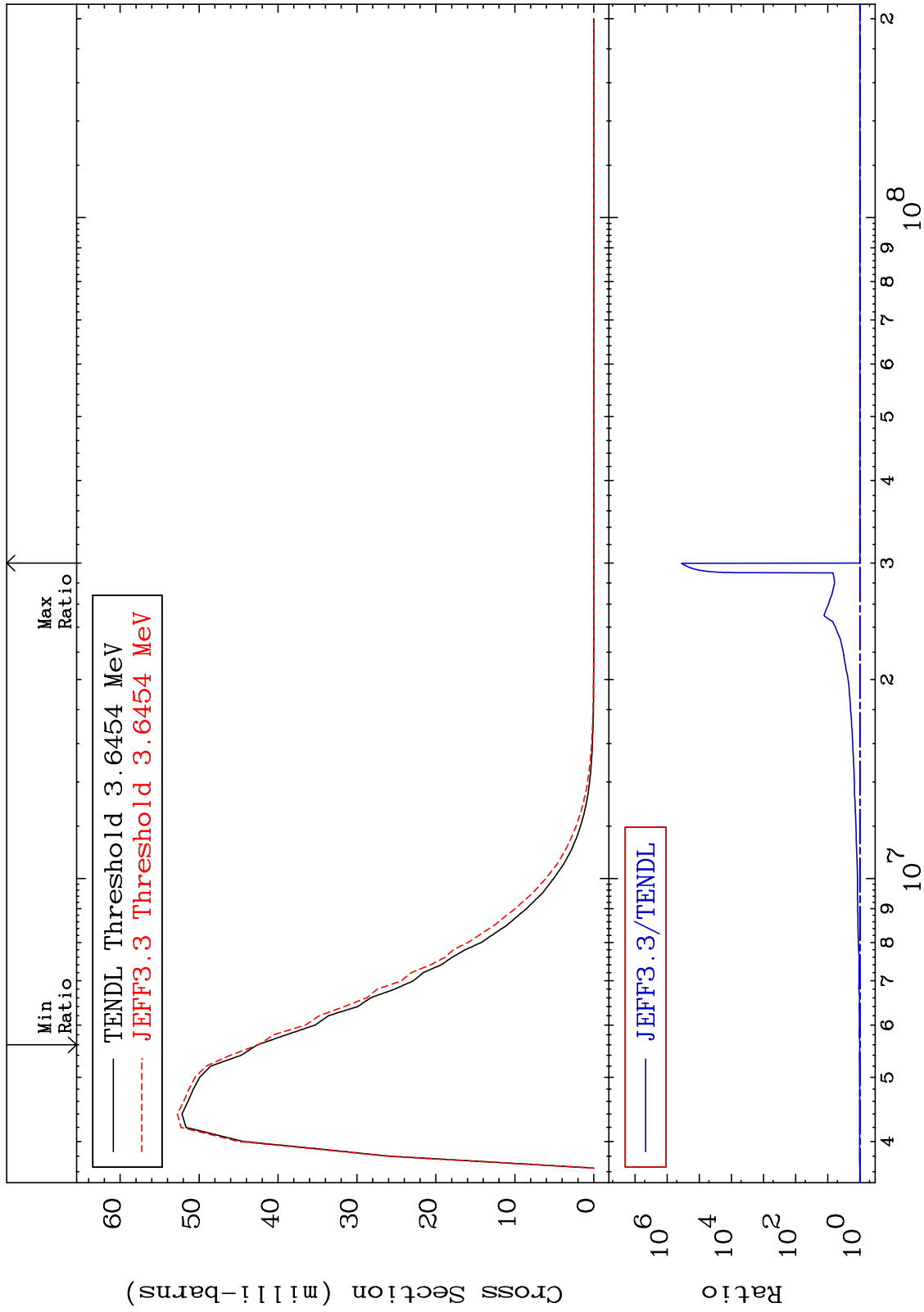
16-S -33
-0.521 To 9999. %



MAT 1628

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

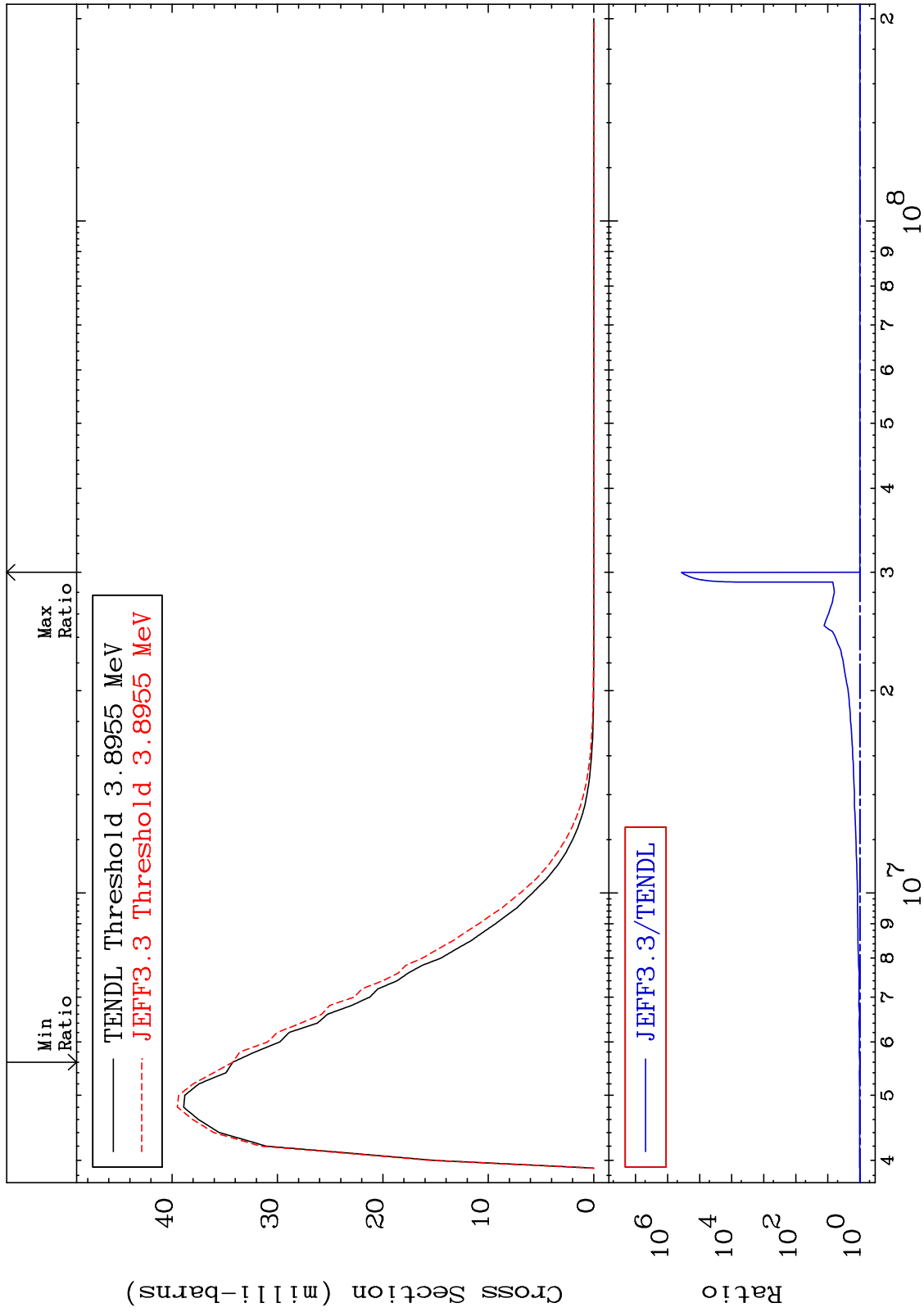
16-S -33
-0.317 To 9999. %



MAT 1628

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

16-S -33
-0.002 To 9999. %



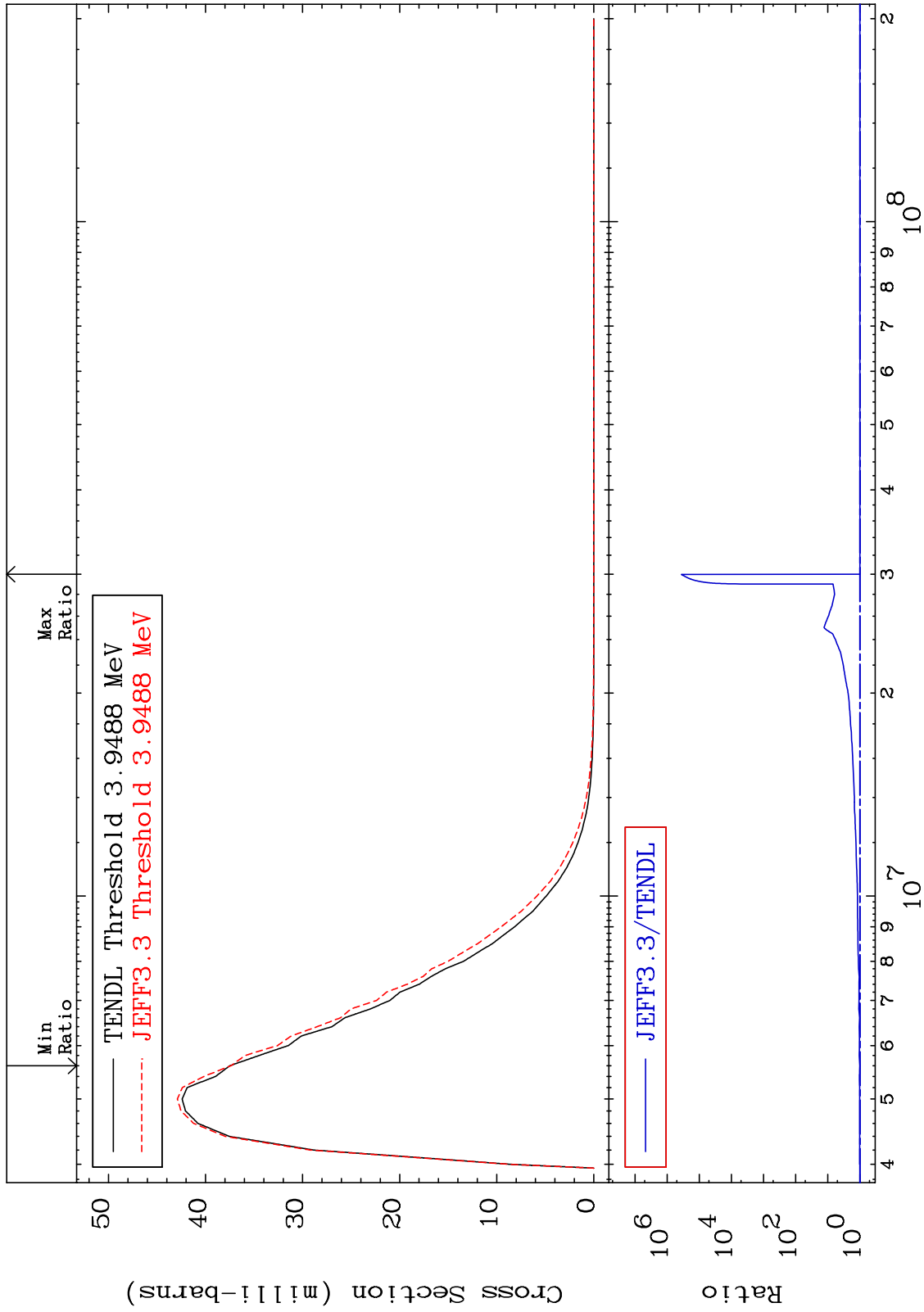
25

16-S -33

MAT 1628

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

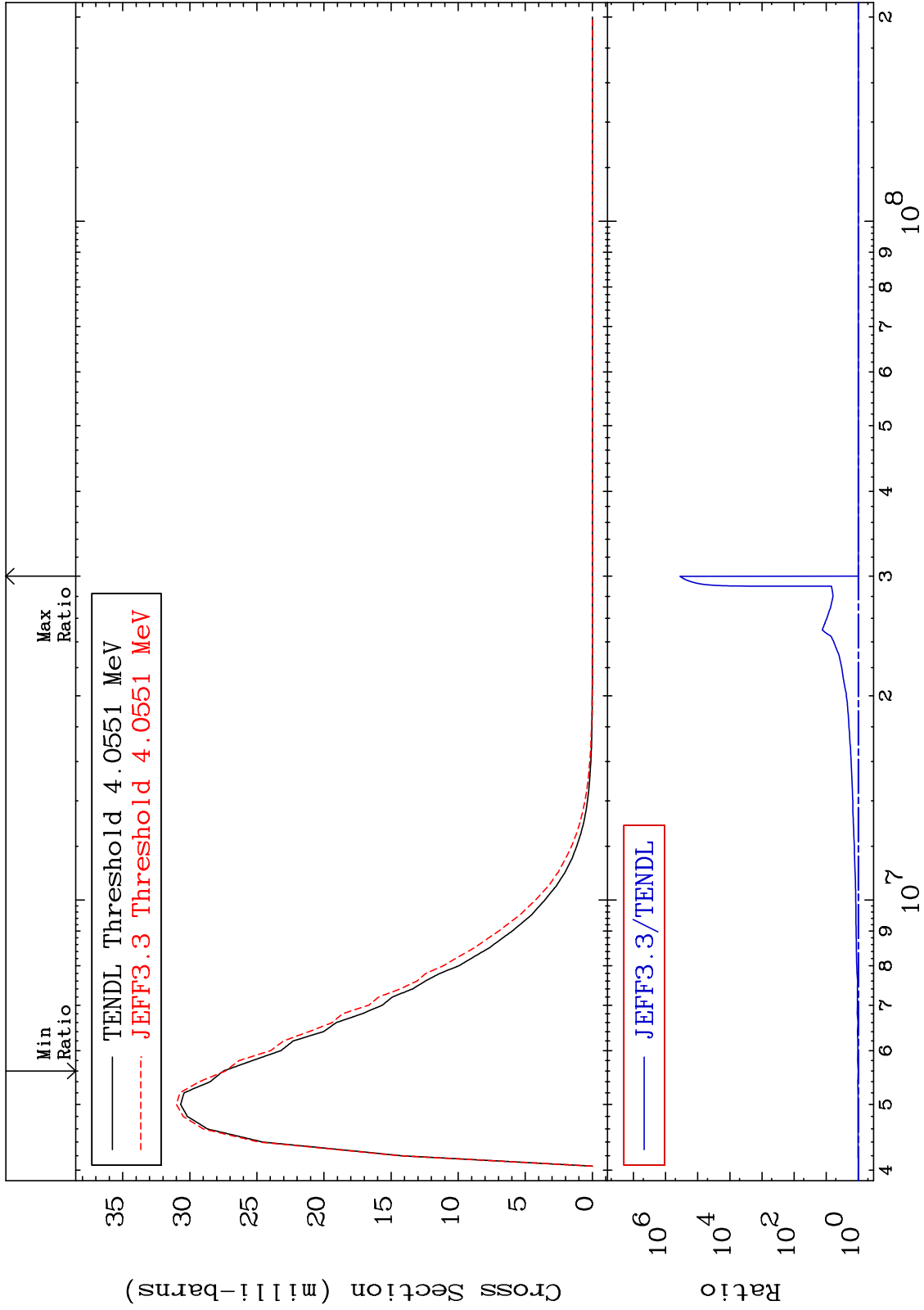
16-S -33
-0.315 To 9999. %



MAT 1628

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

16-S -33
-0.571 To 9999. %



27

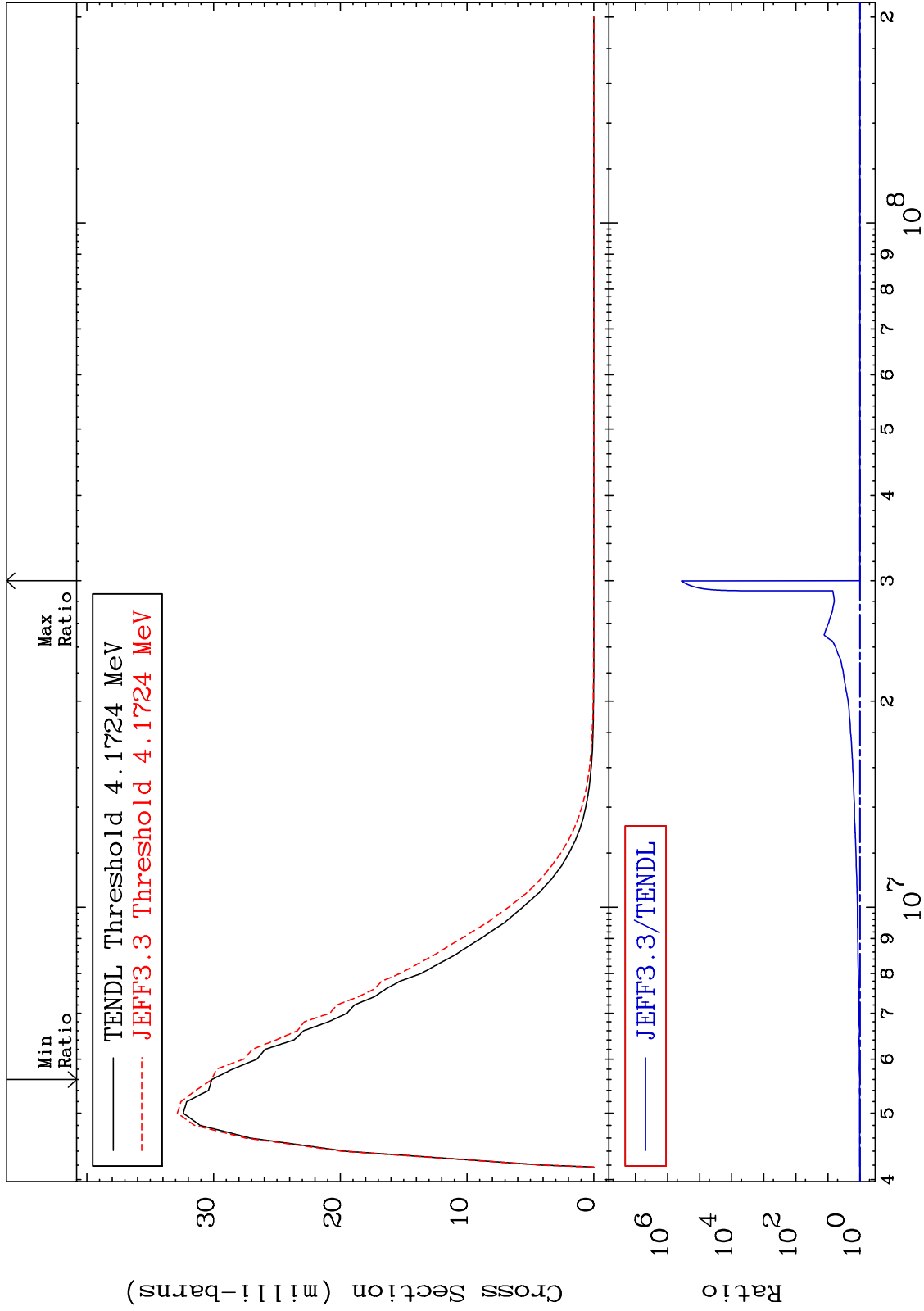
Incident Energy (eV)

16-S -33

MAT 1628

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

16-S -33
-0.019 To 9999. %



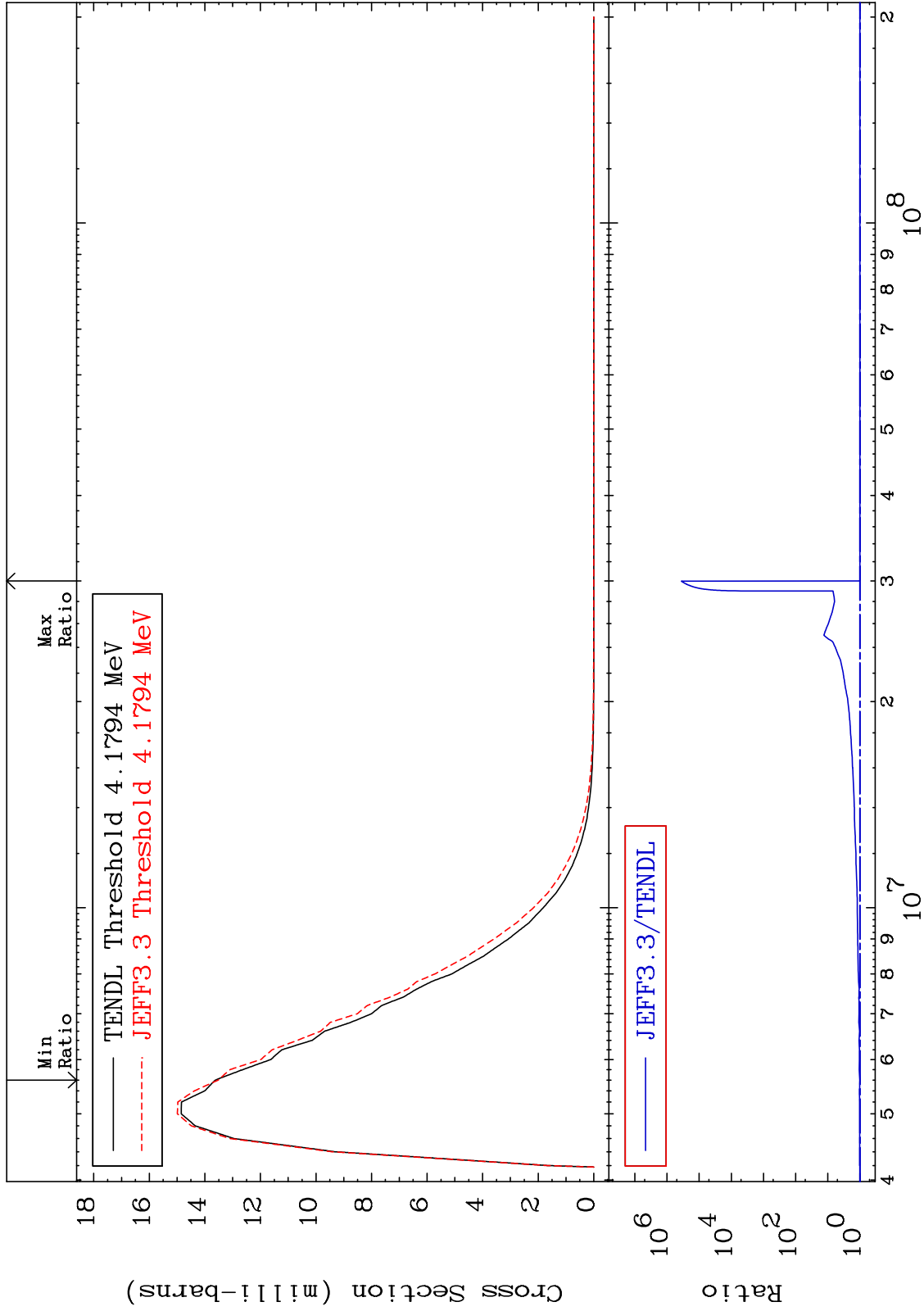
28

16-S -33

MAT 1628

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

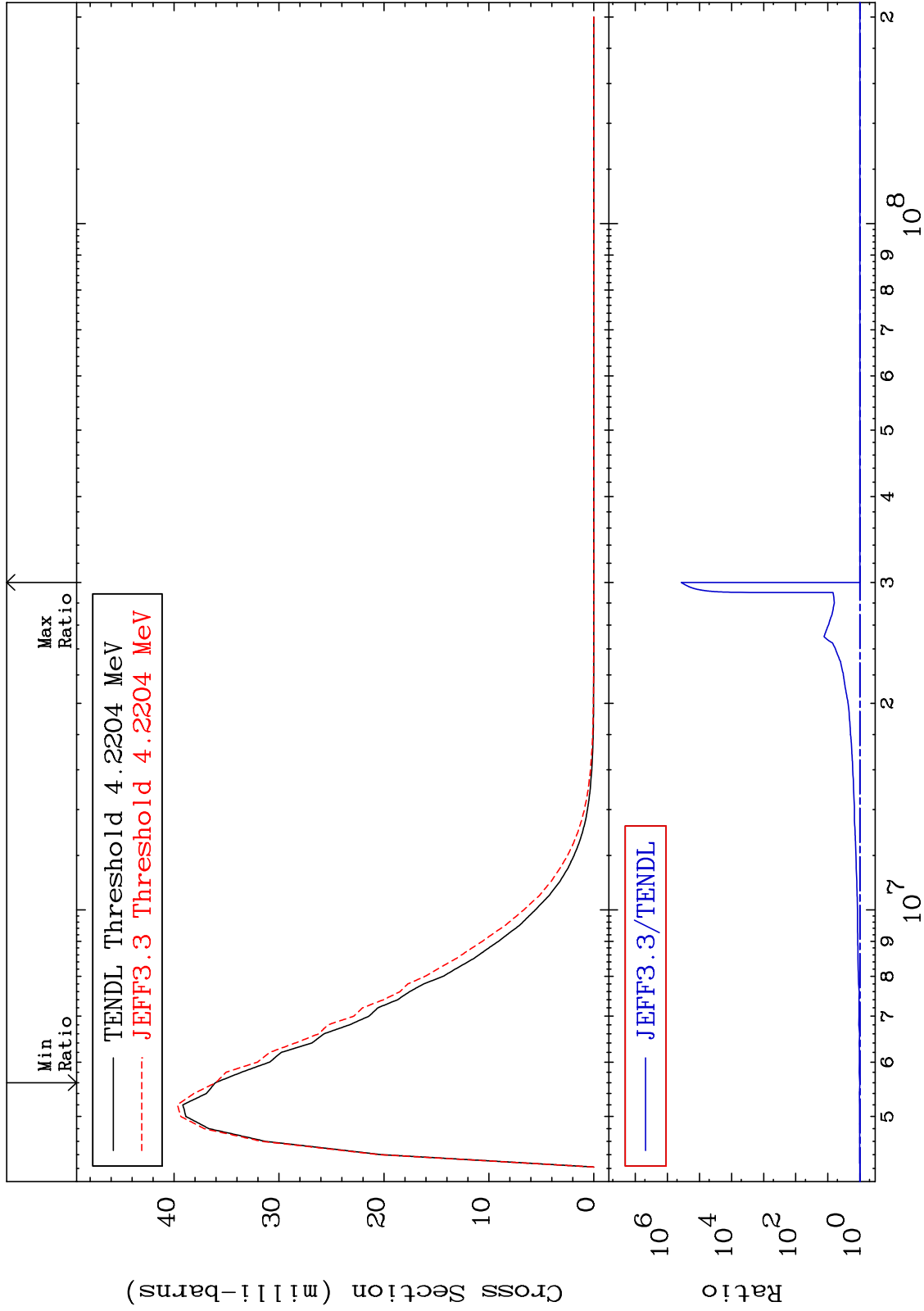
16-S -33
-0.773 To 9999. %



MAT 1628

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

16-S -33
-0.121 To 9999. %

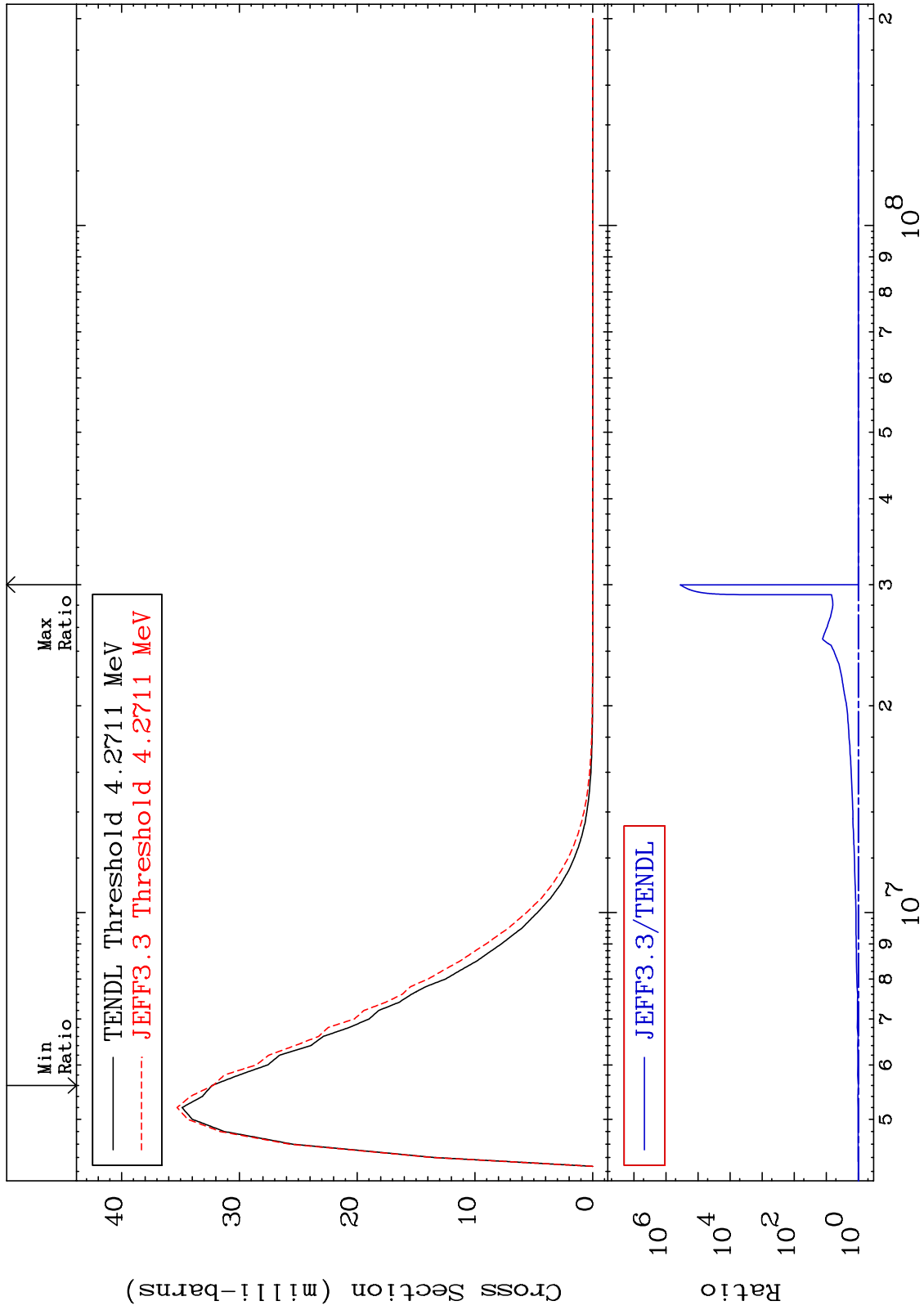


30

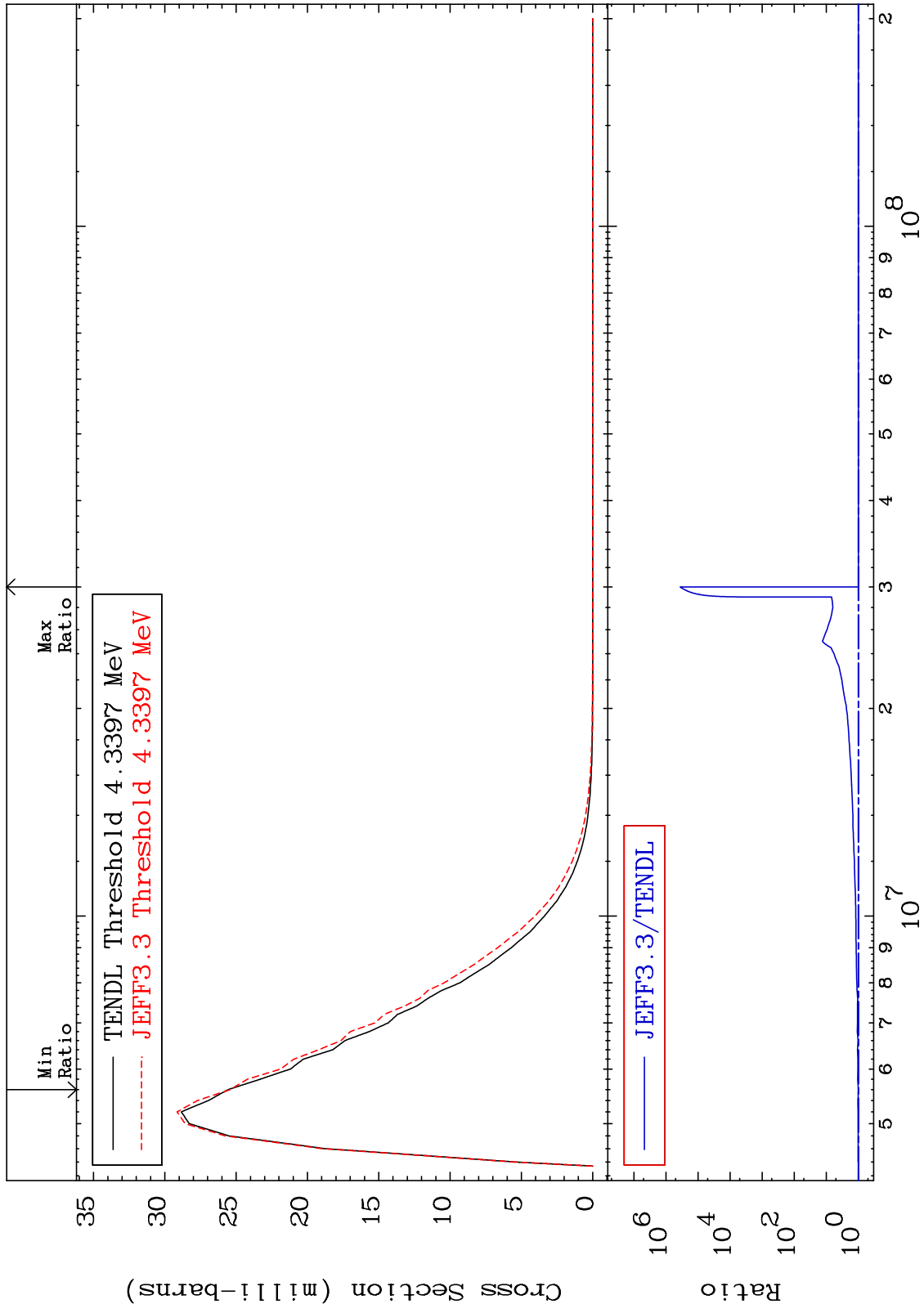
Incident Energy (eV)

16-S -33

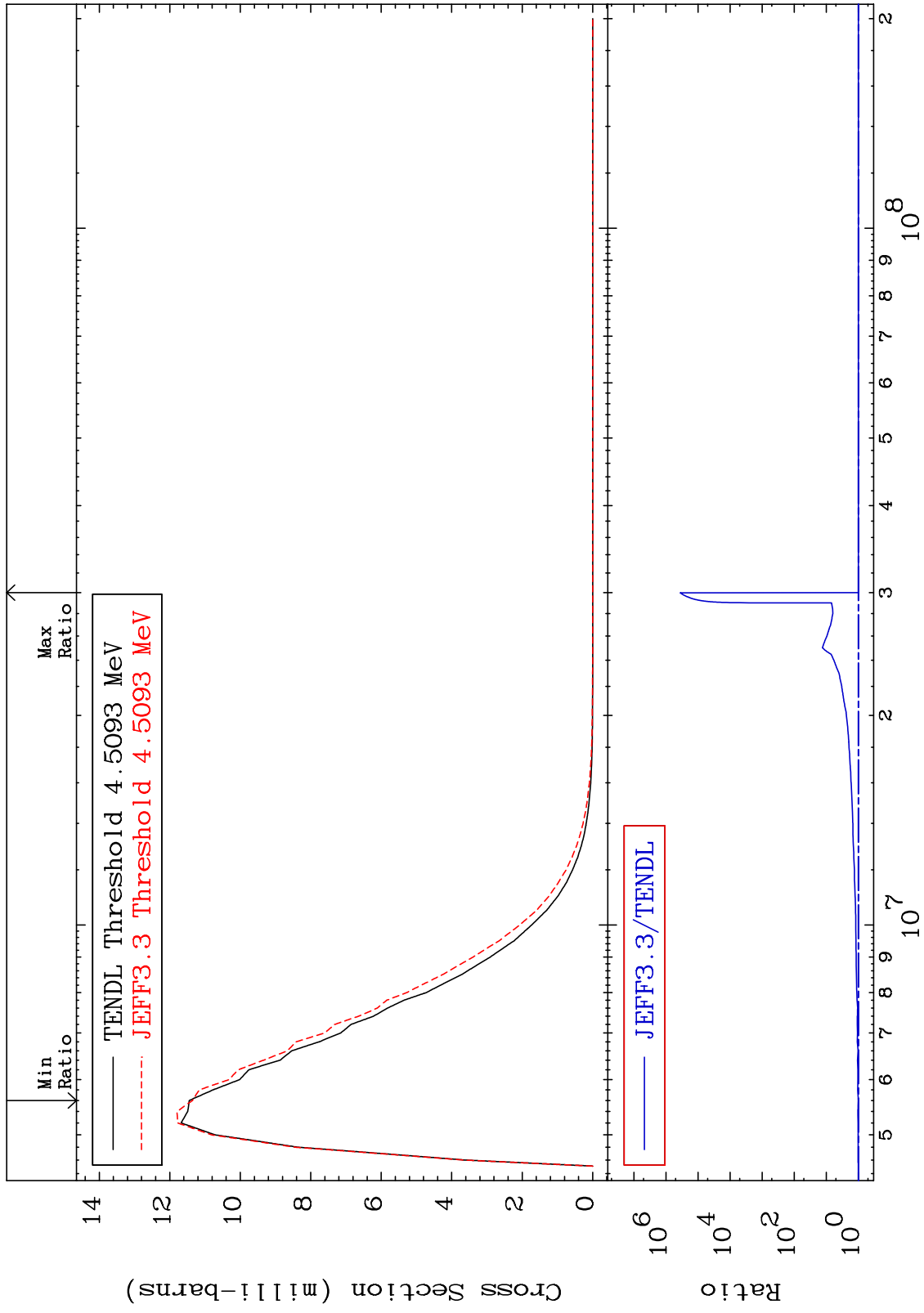
MAT 1628 MT= 65 (n, n') Level Cross Section -0.312 To 9999. % 16-S -33



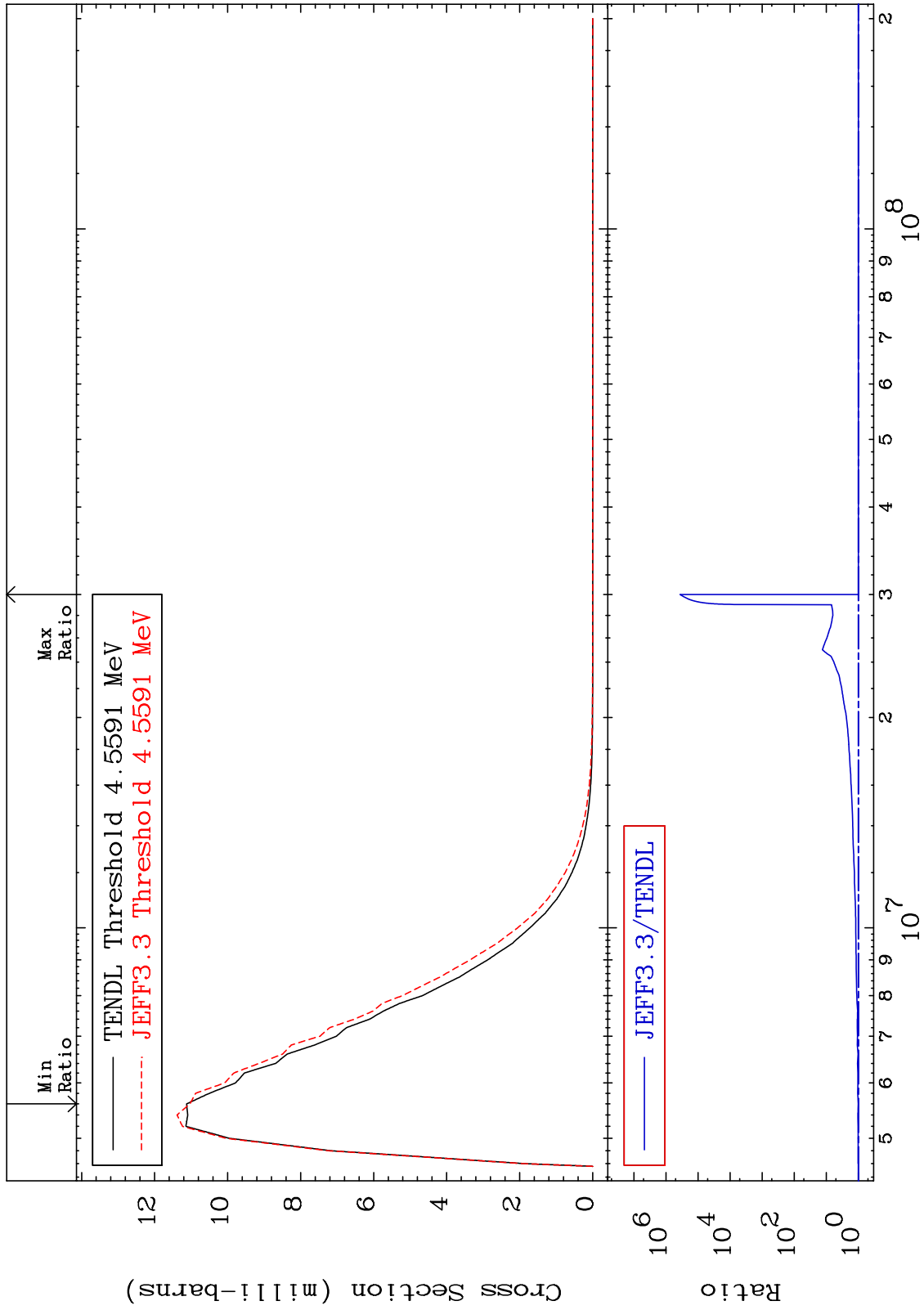
MAT 1628 MT= 66 (n,n') Level 16-S -33
 Cross Section -0.574 To 9999. %



MAT 1628 MT= 67 (n, n') Level Cross Section -0.810 To 9999. % 16-S -33



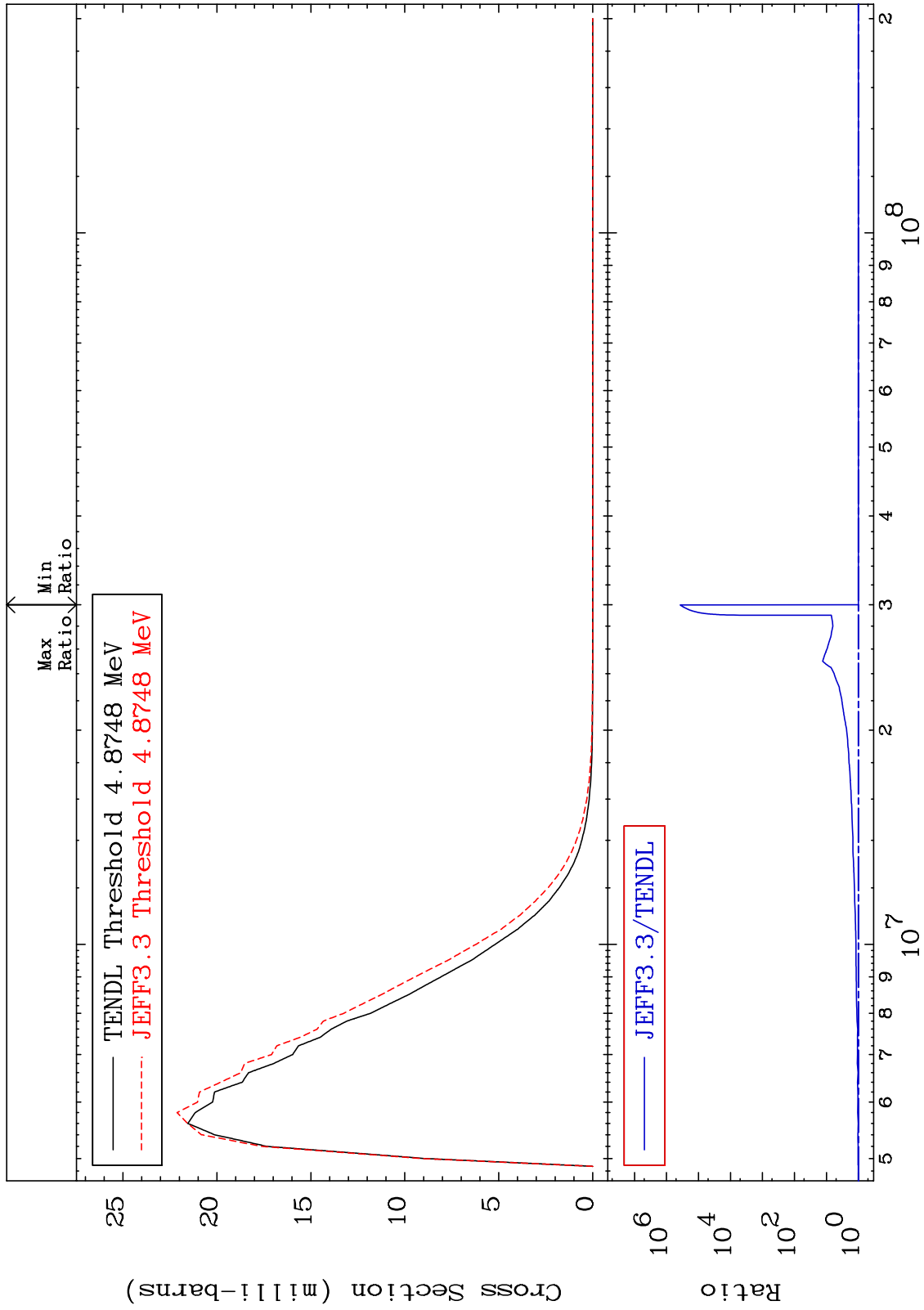
MAT 1628 MT= 68 (n,n') Level Cross Section -0.815 To 9999. % 16-S -33



16-S -33

Incident Energy (eV)

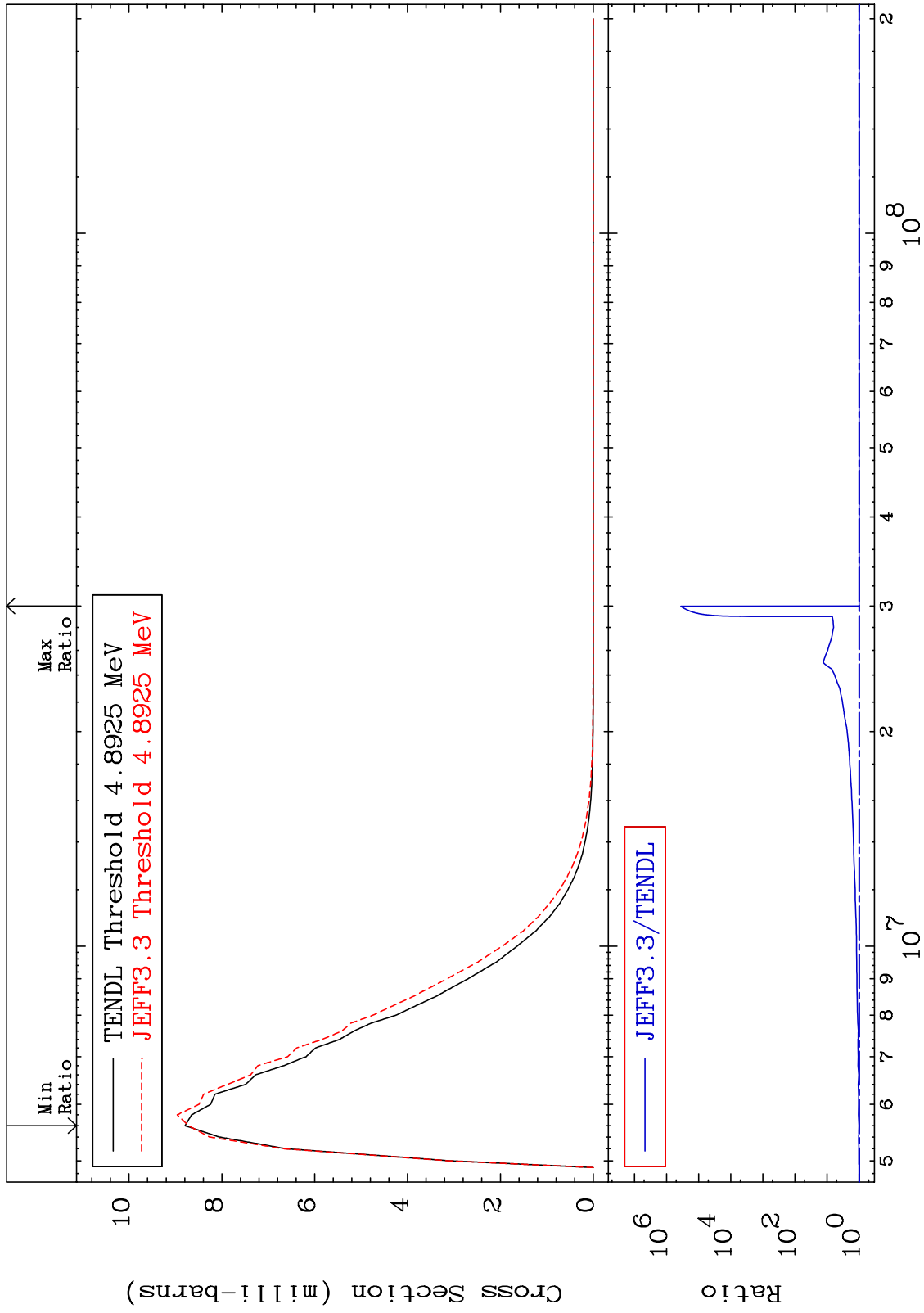
MAT 1628 MT= 69 (n, n') Level Cross Section 16-S -33
0.000 To 9999. %



MAT 1628

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

16-S -33
-0.847 To 9999. %



36

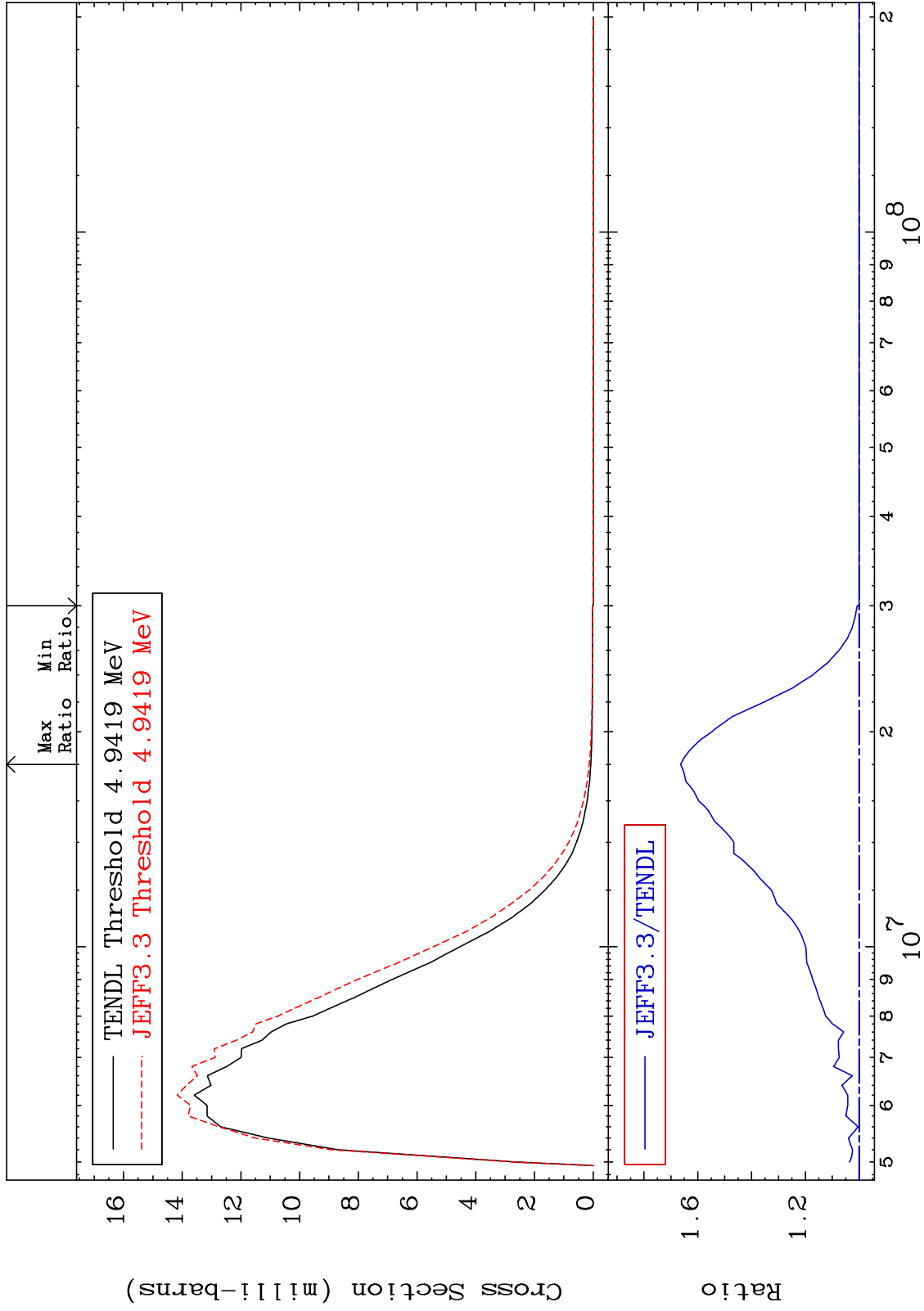
Incident Energy (eV)

16-S -33

MAT 1628

MT= 71 (n,n') Level
Cross Section

0.000 To 66.38 %
16-S -33



37

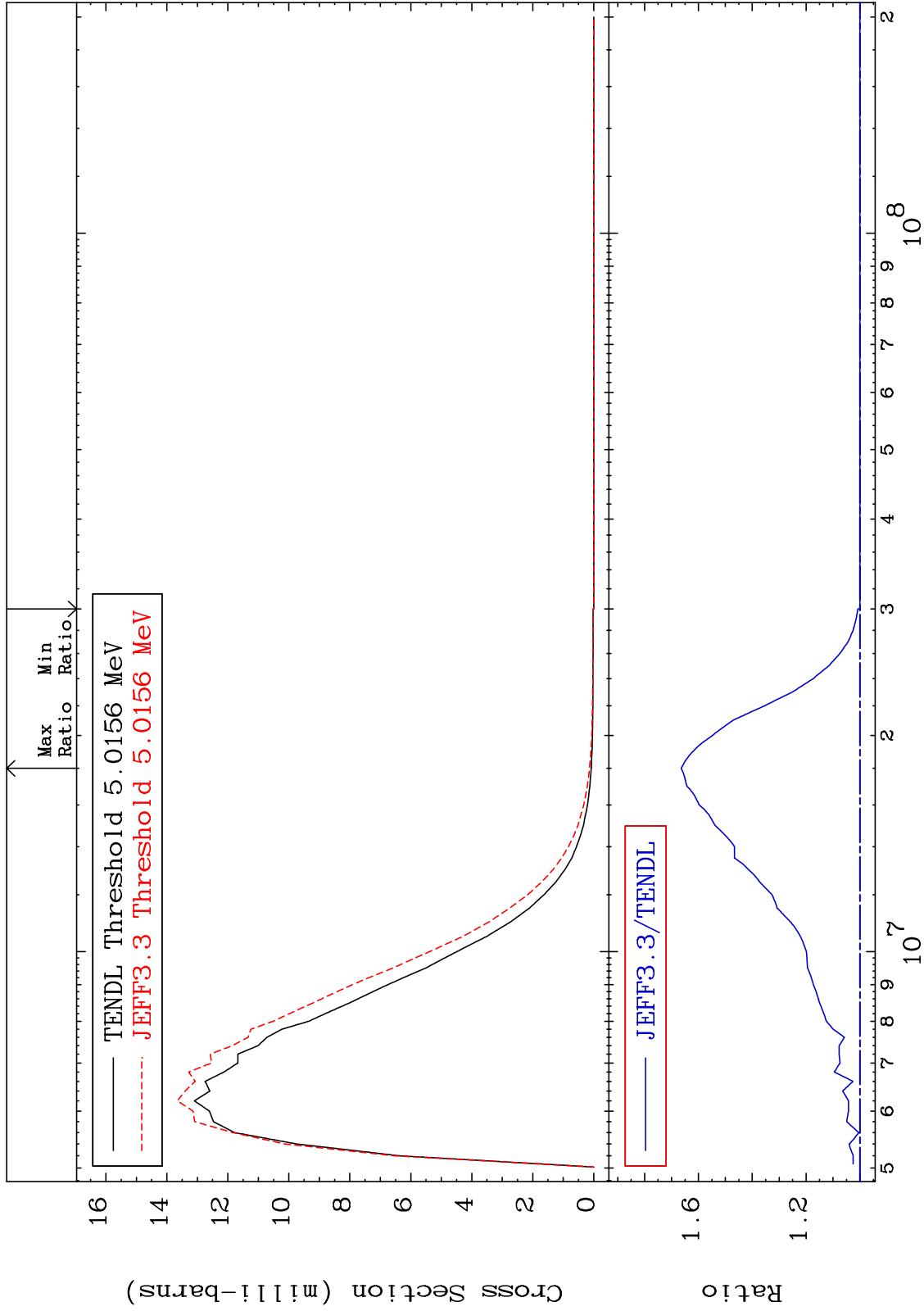
Incident Energy (eV)

16-S -33

MAT 1628

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

0.000 To 66.40 %
16-S -33



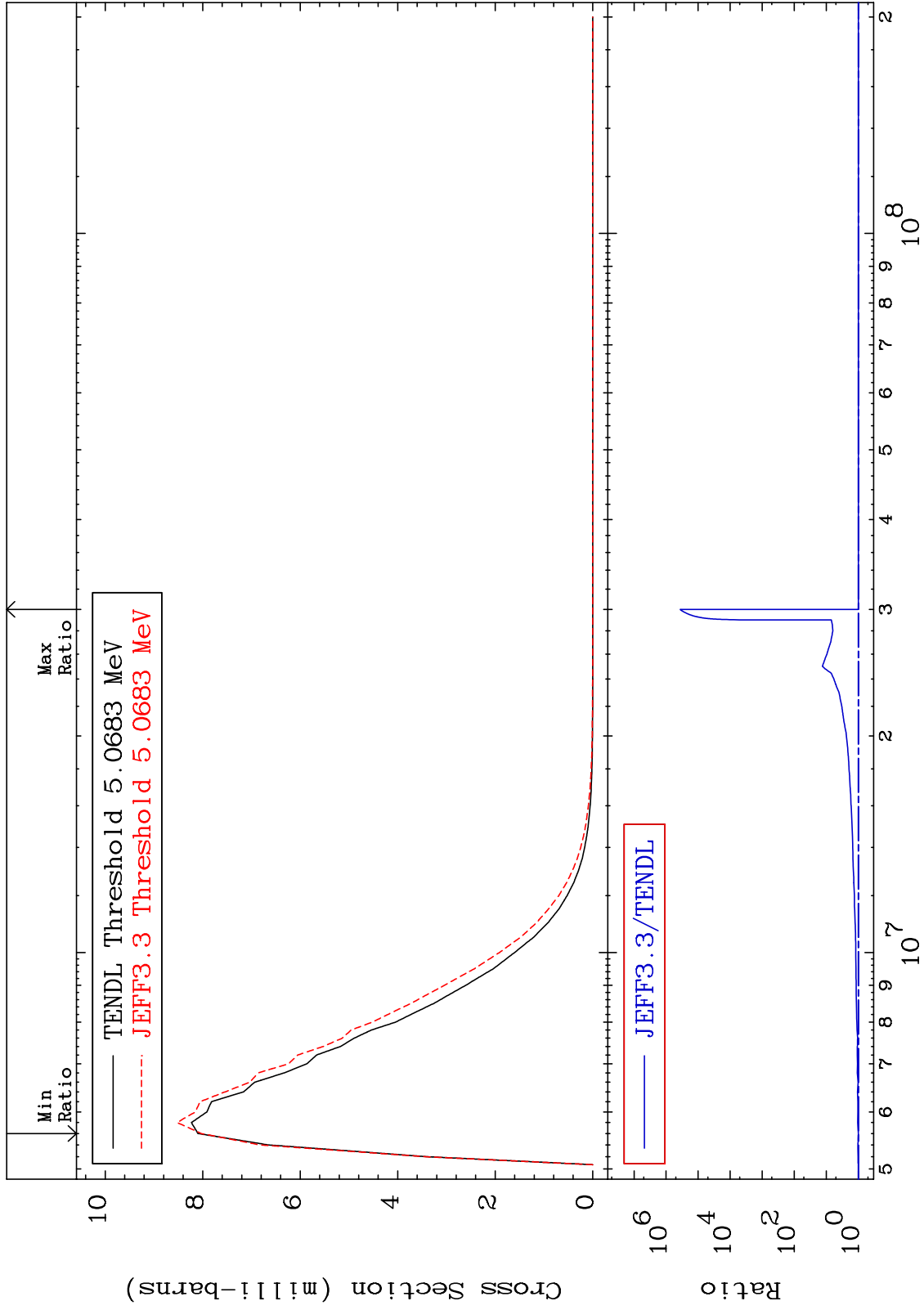
38

16-S -33

MAT 1628

MT= 73 (n,n') Level
Cross Section

16-S -33
-0.858 To 9999. %



39

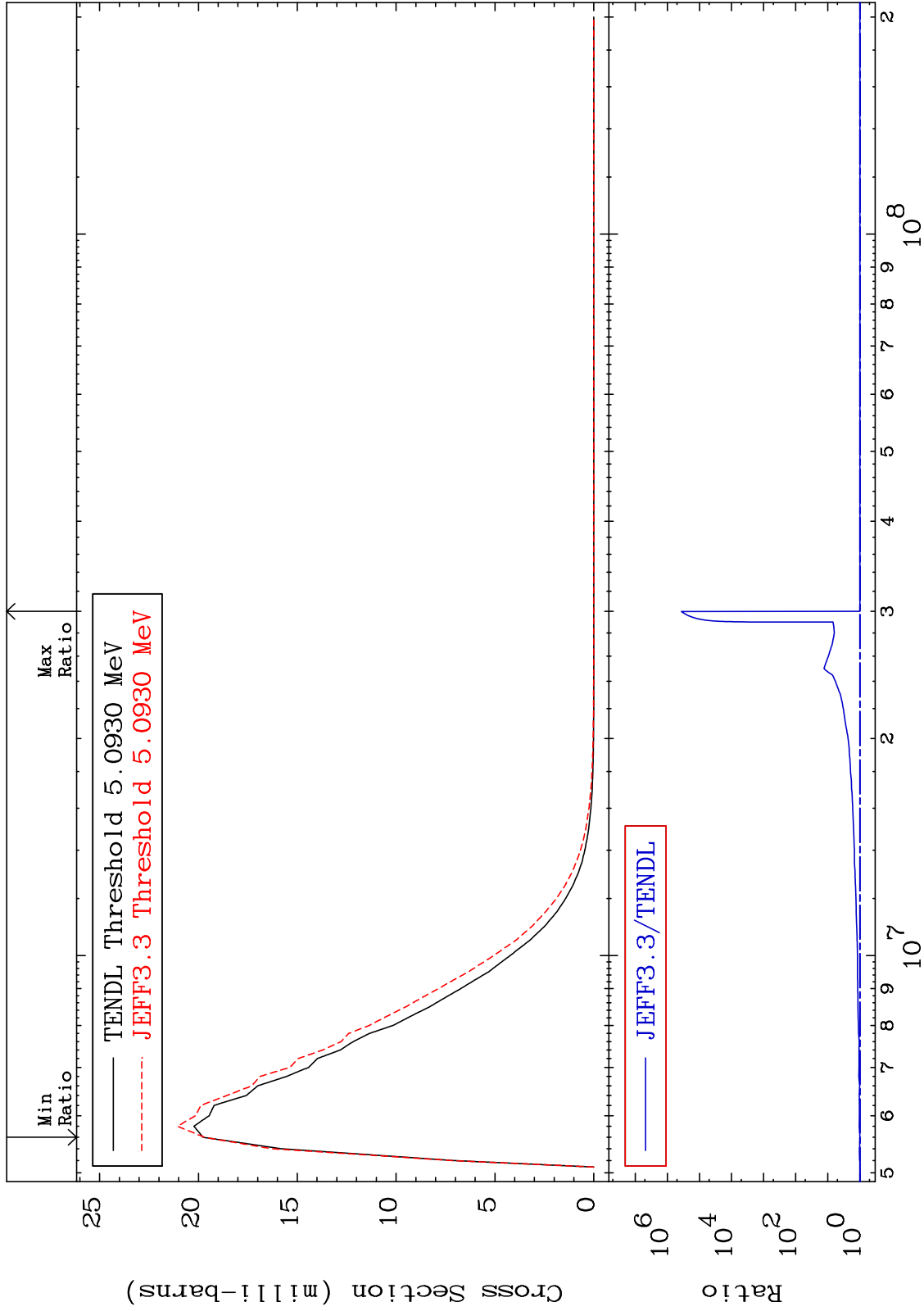
Incident Energy (eV)

16-S -33

MAT 1628

MT= 74 (n,n') Level
Cross Section

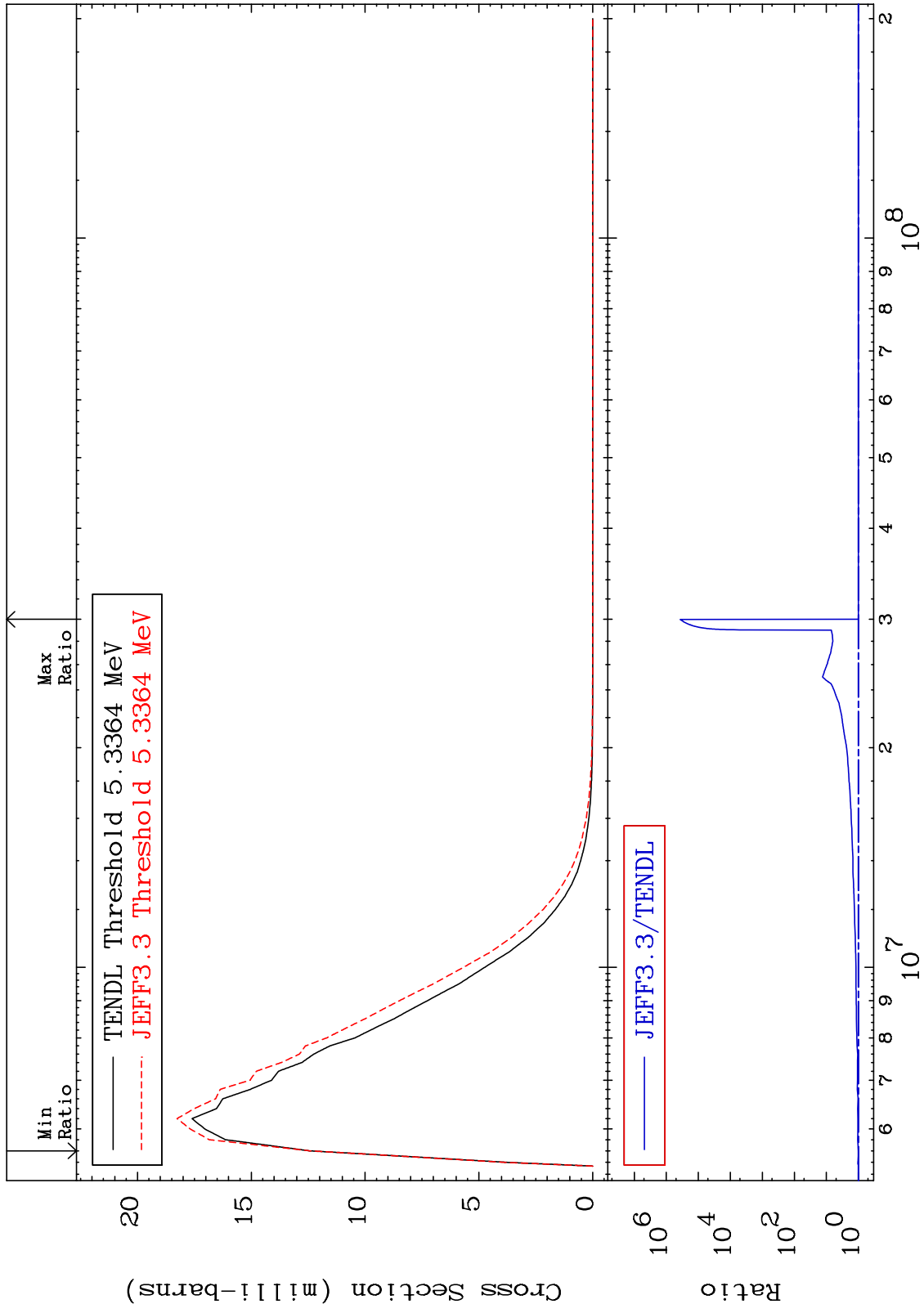
16-S -33
-0.330 To 9999. %



40

16-S -33

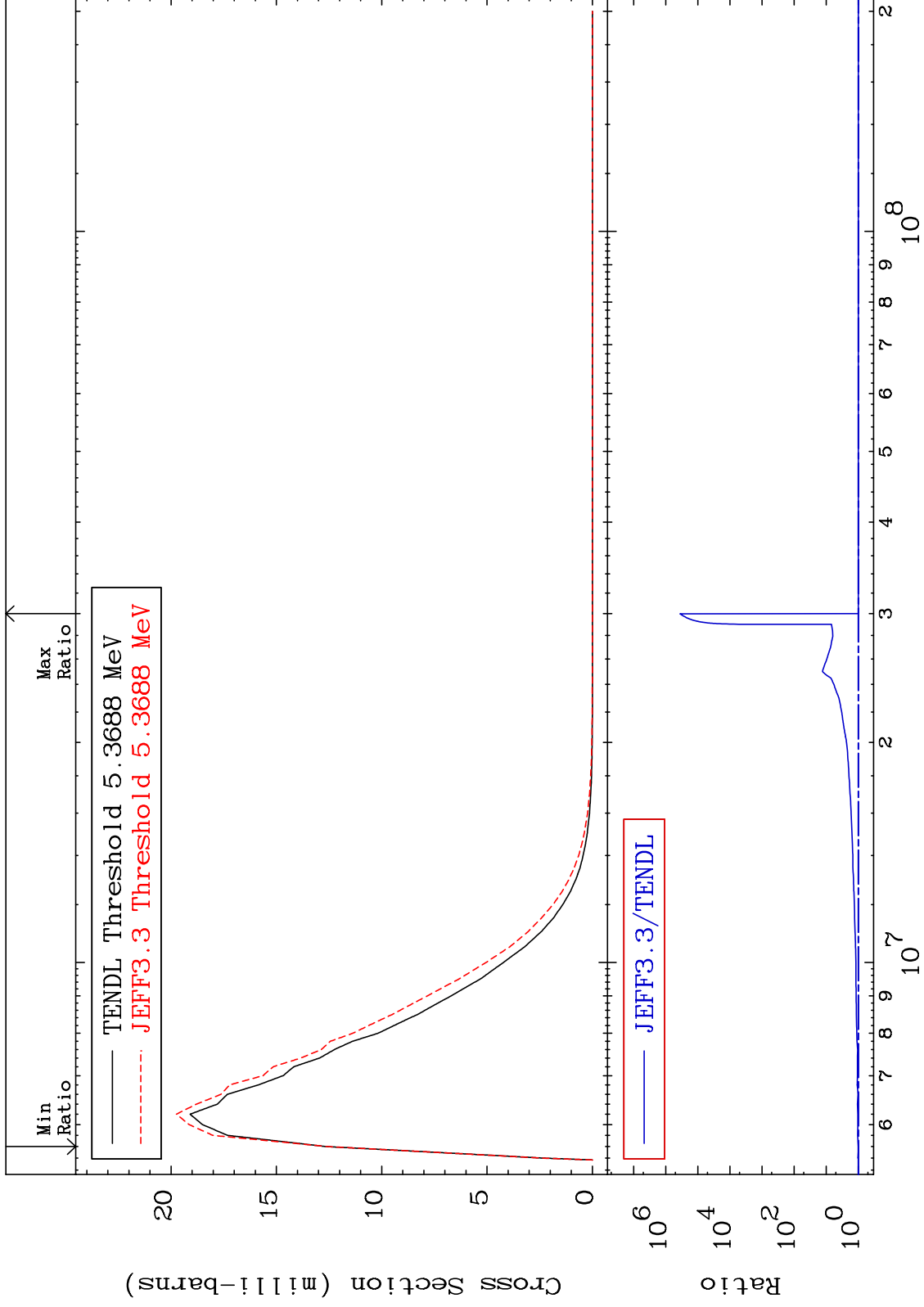
MAT 1628 MT= 75 (n,n') Level Cross Section -0.121 To 9999. % 16-S -33



MAT 1628

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

16-S -33
-0.424 To 9999. %



42

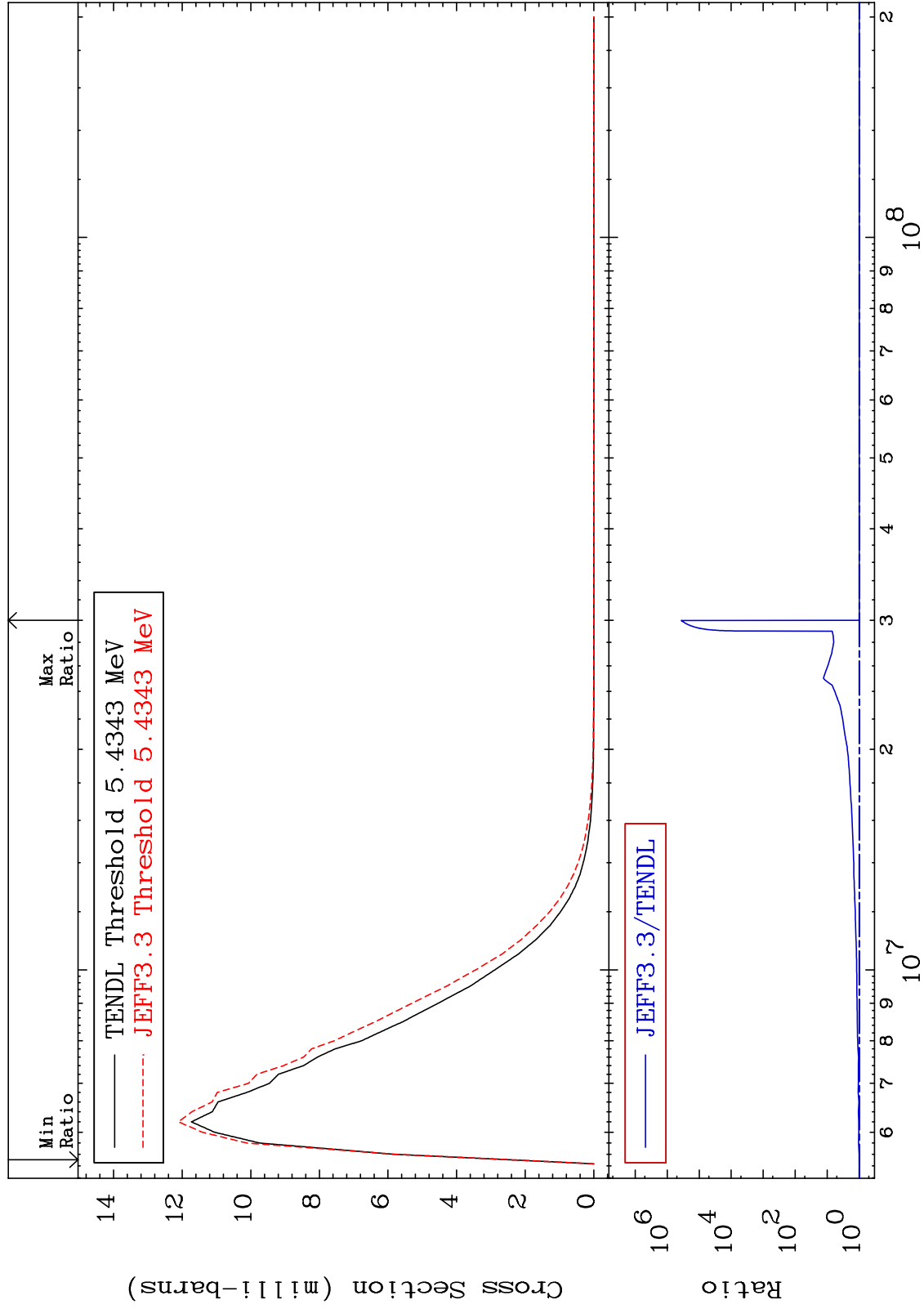
Incident Energy (eV)

16-S -33

MAT 1628

MT= 77 (n,n') Level
Cross Section

16-S -33
-0.612 To 9999. %



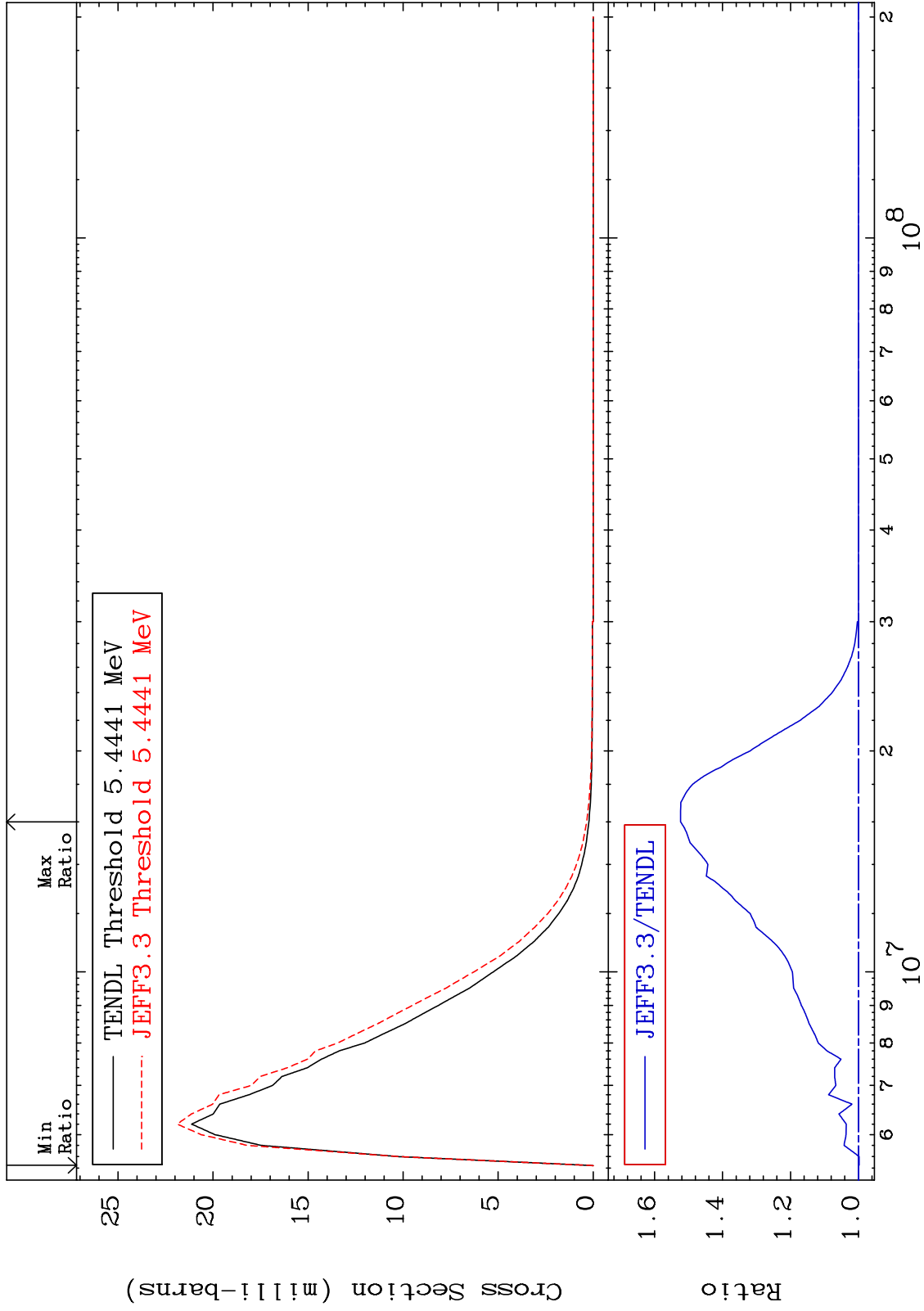
43

16-S -33

MAT 1628

MT= 78 (n,n') Level
Cross Section

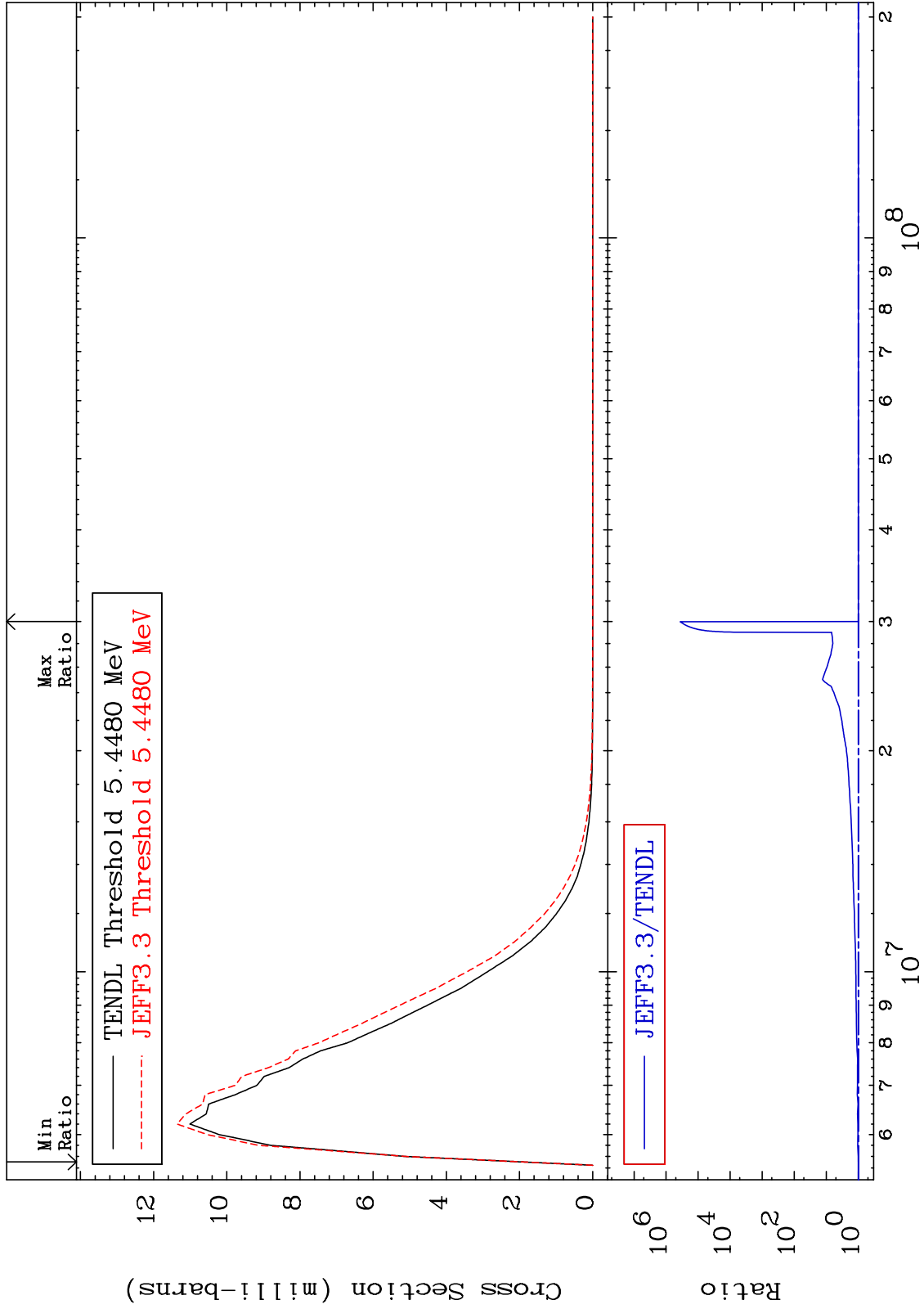
16-S -33
-0.227 To 52.35 %



MAT 1628

MT= 79 (n,n') Level
Cross Section

16-S -33
-0.640 To 9999. %



45

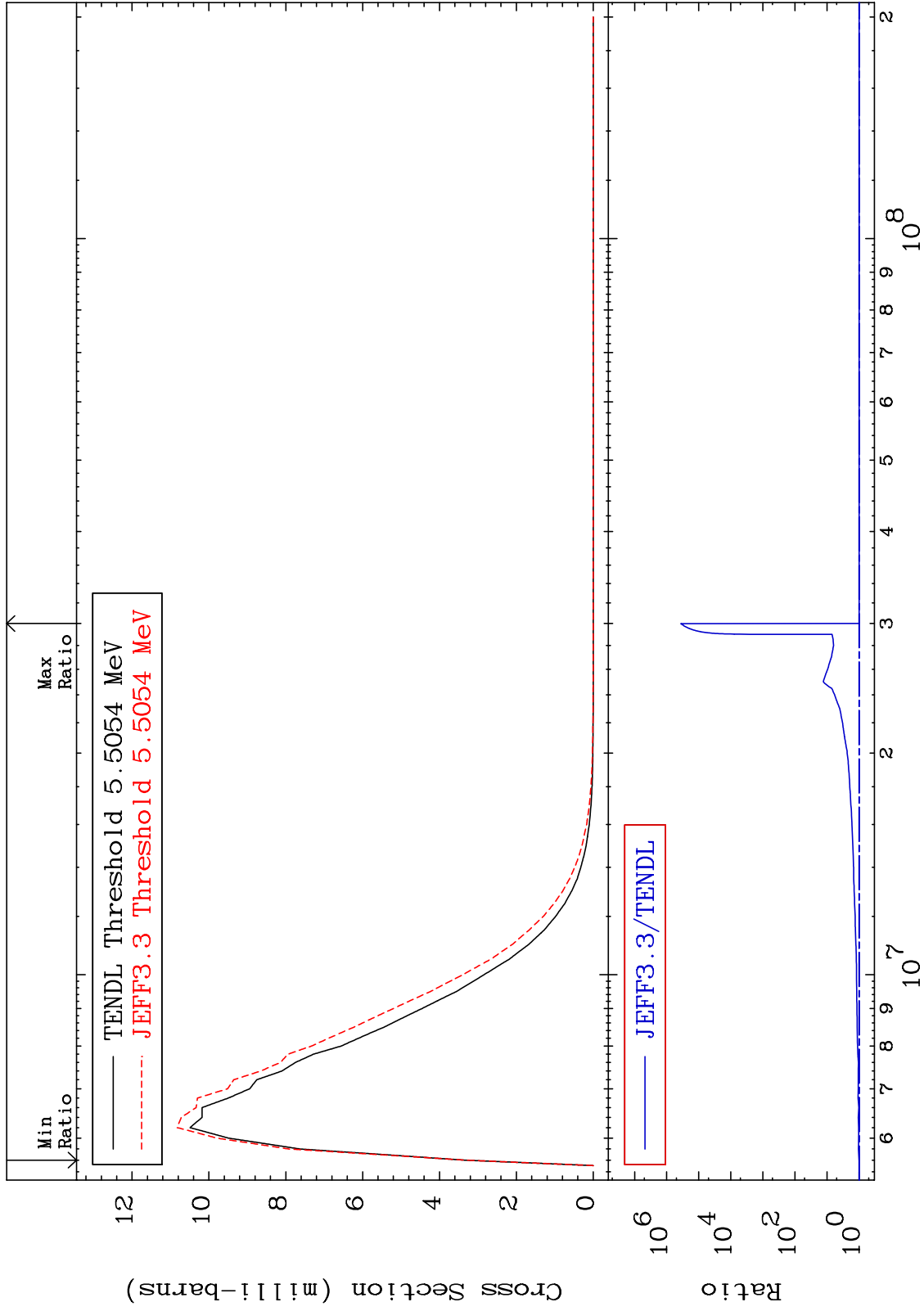
Incident Energy (eV)

16-S -33

MAT 1628

MT= 80 (n,n') Level
Cross Section

16-S -33
-0.651 To 9999. %



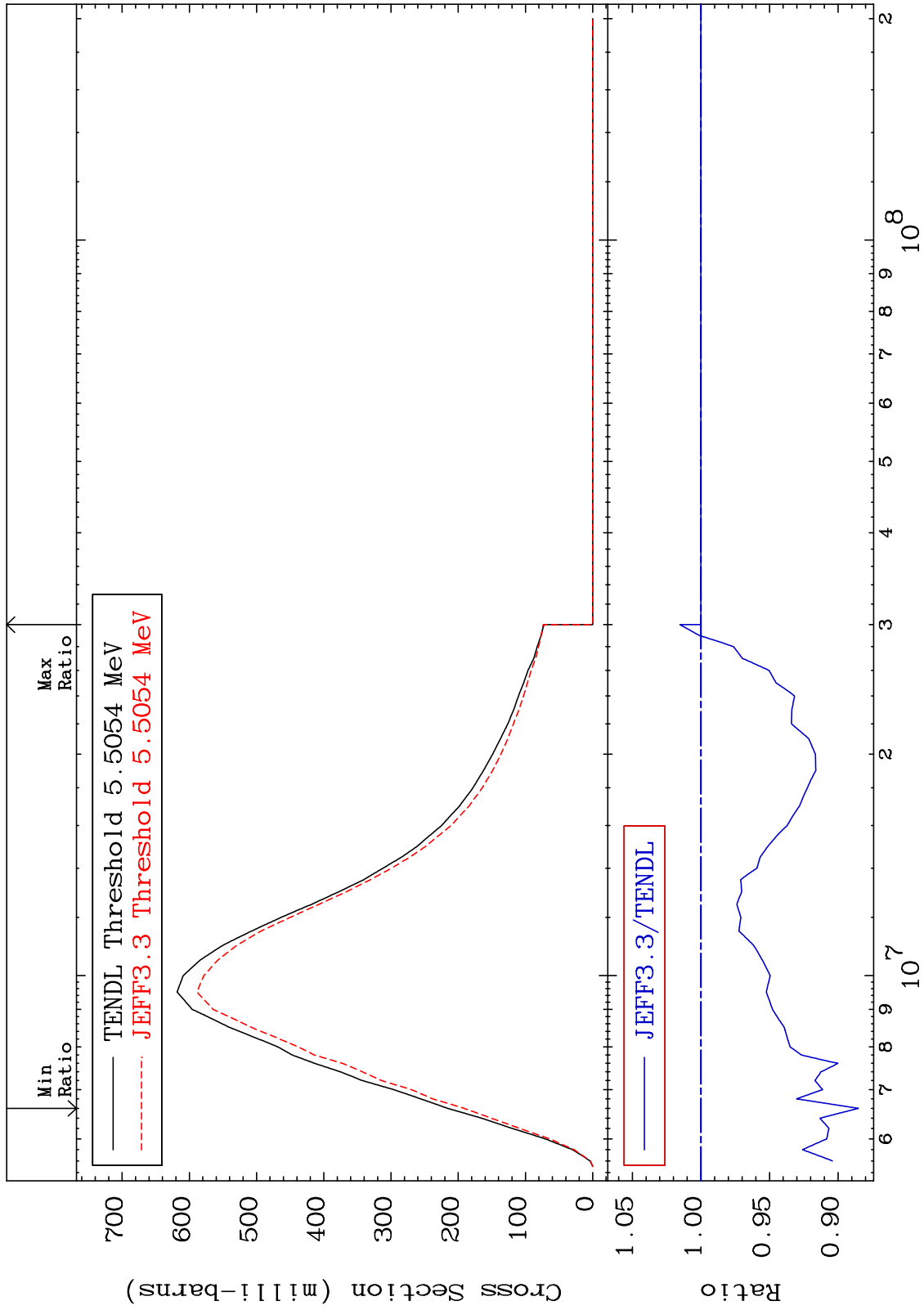
46

16-S -33

MAT 1628

(n, n') Continuum
Cross Section

16-S -33
-11.48 To 1.524 %



47

16-S -33

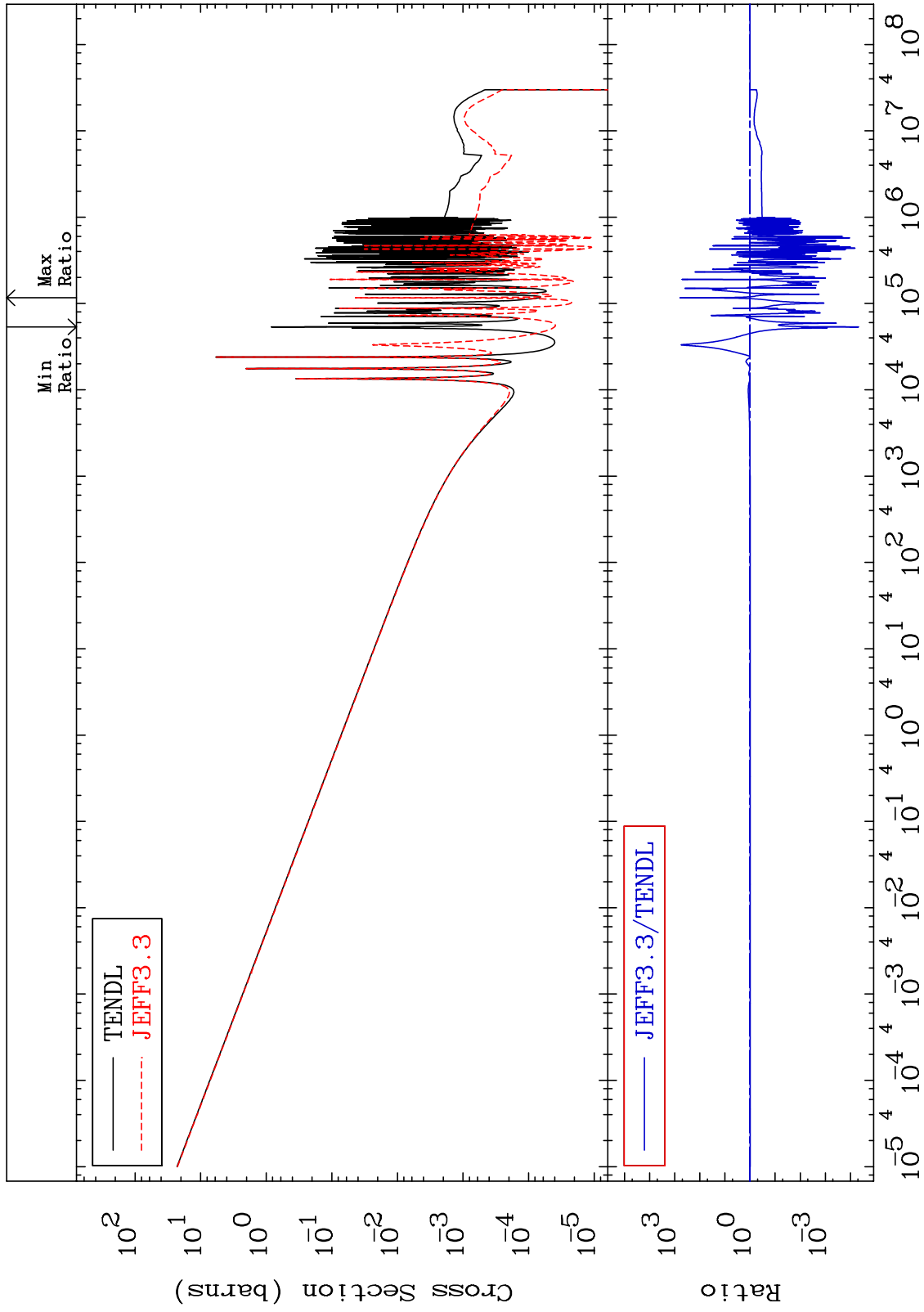
MAT 1628

(n, γ)

16-S -33

Cross Section

-100.0 To 9999. %



48

Incident Energy (eV)

16-S -33

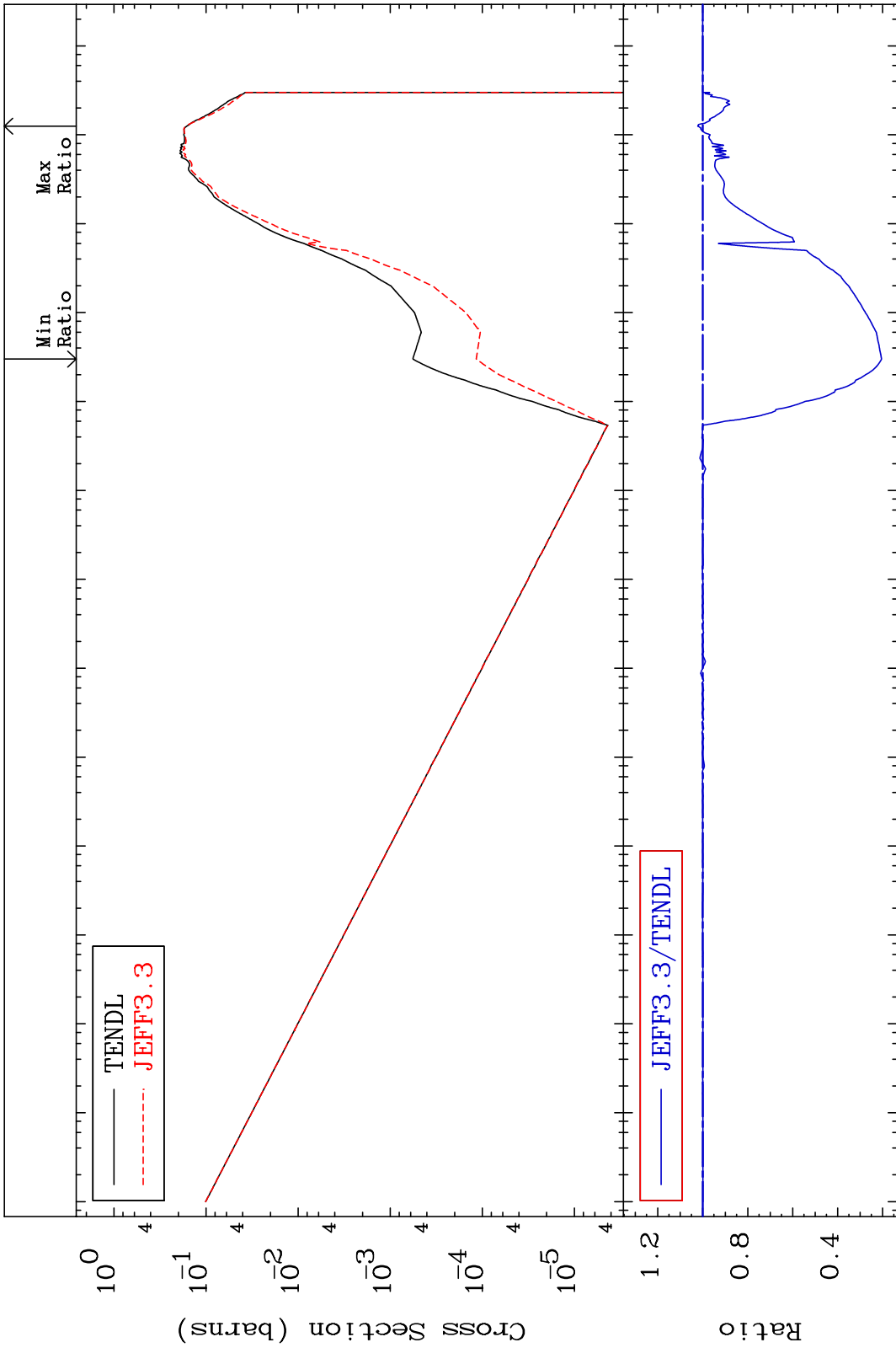
MAT 1628

(n,p)

16-S -33

Cross Section

-79.50 To 2.207 %



Incident Energy (eV)

16-S -33

49

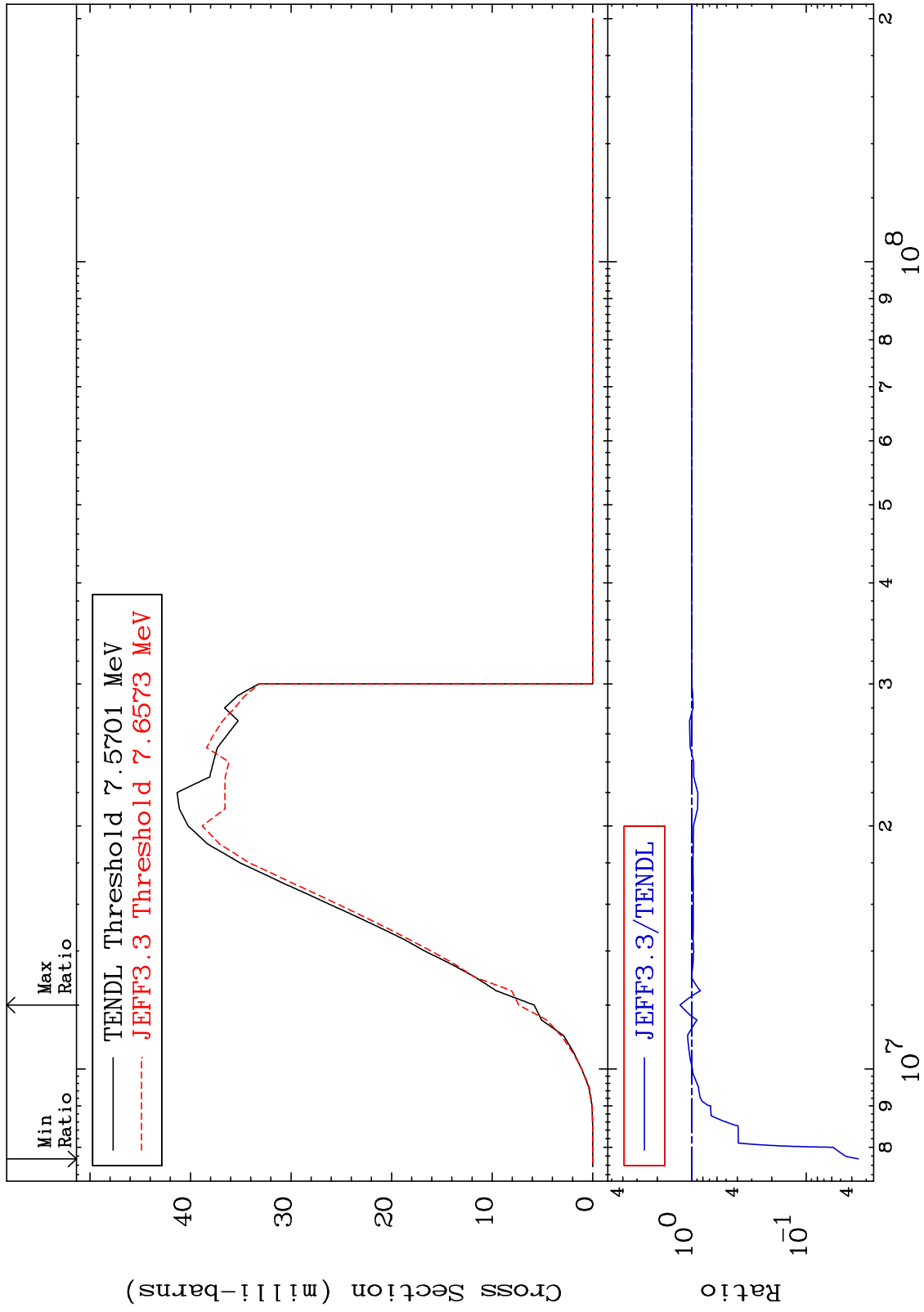
MAT 1628

(n, d)

16-S -33

Cross Section

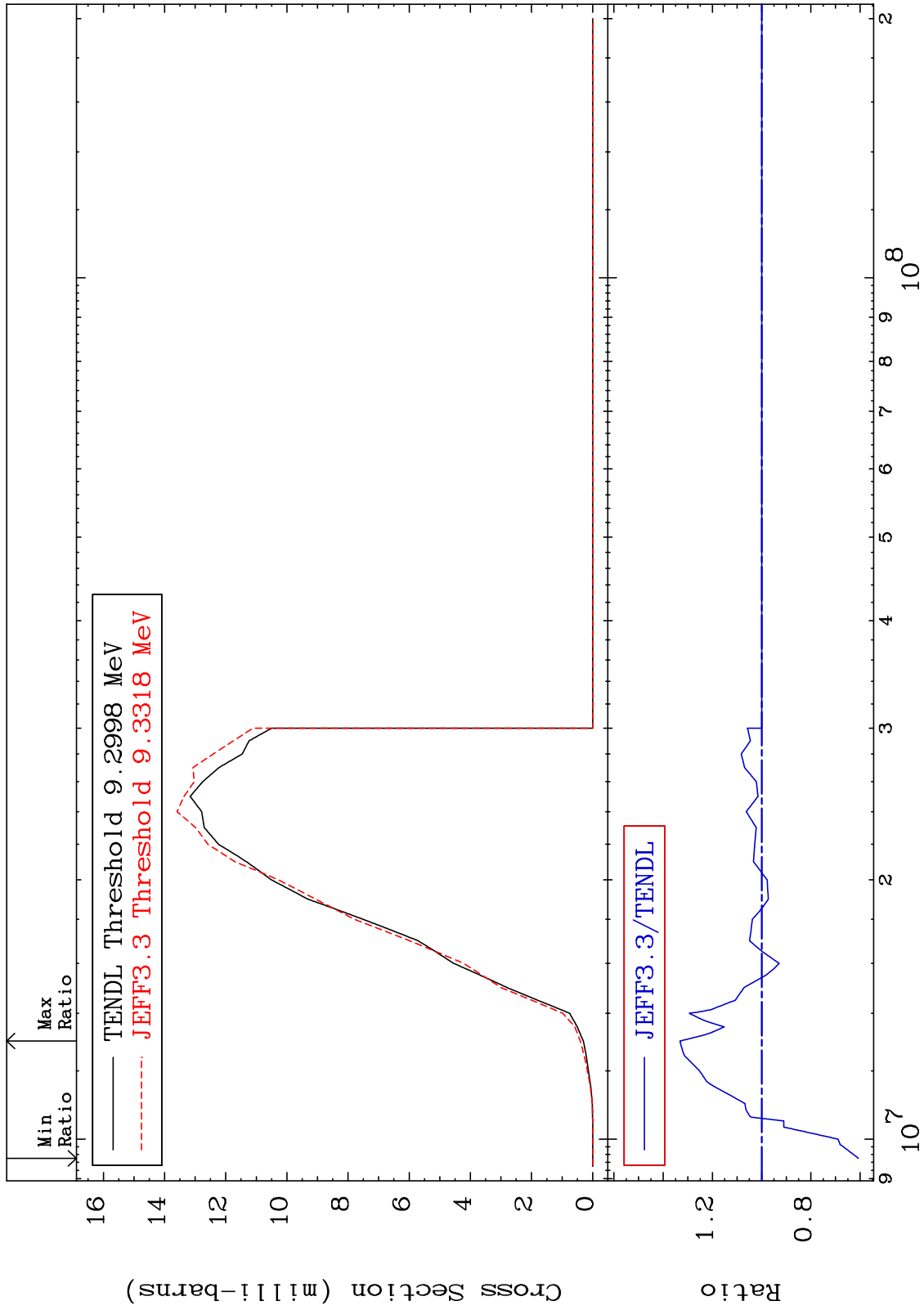
-96.49 To 26.48 %



50

Incident Energy (eV)

16-S -33



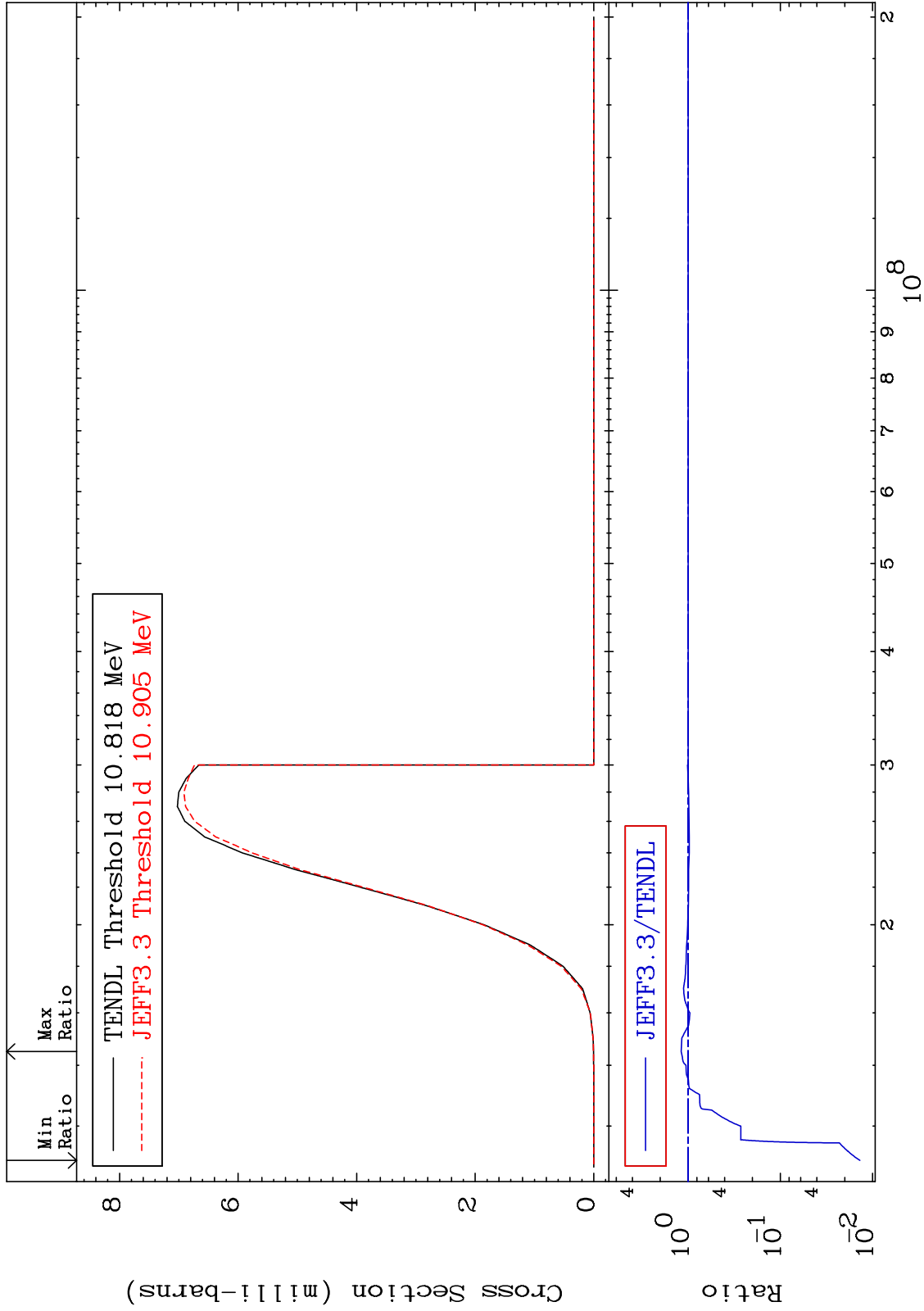
MAT 1628

(n, He-3)

16-S -33

Cross Section

-98.63 To 18.55 %



52

Incident Energy (eV)

16-S -33

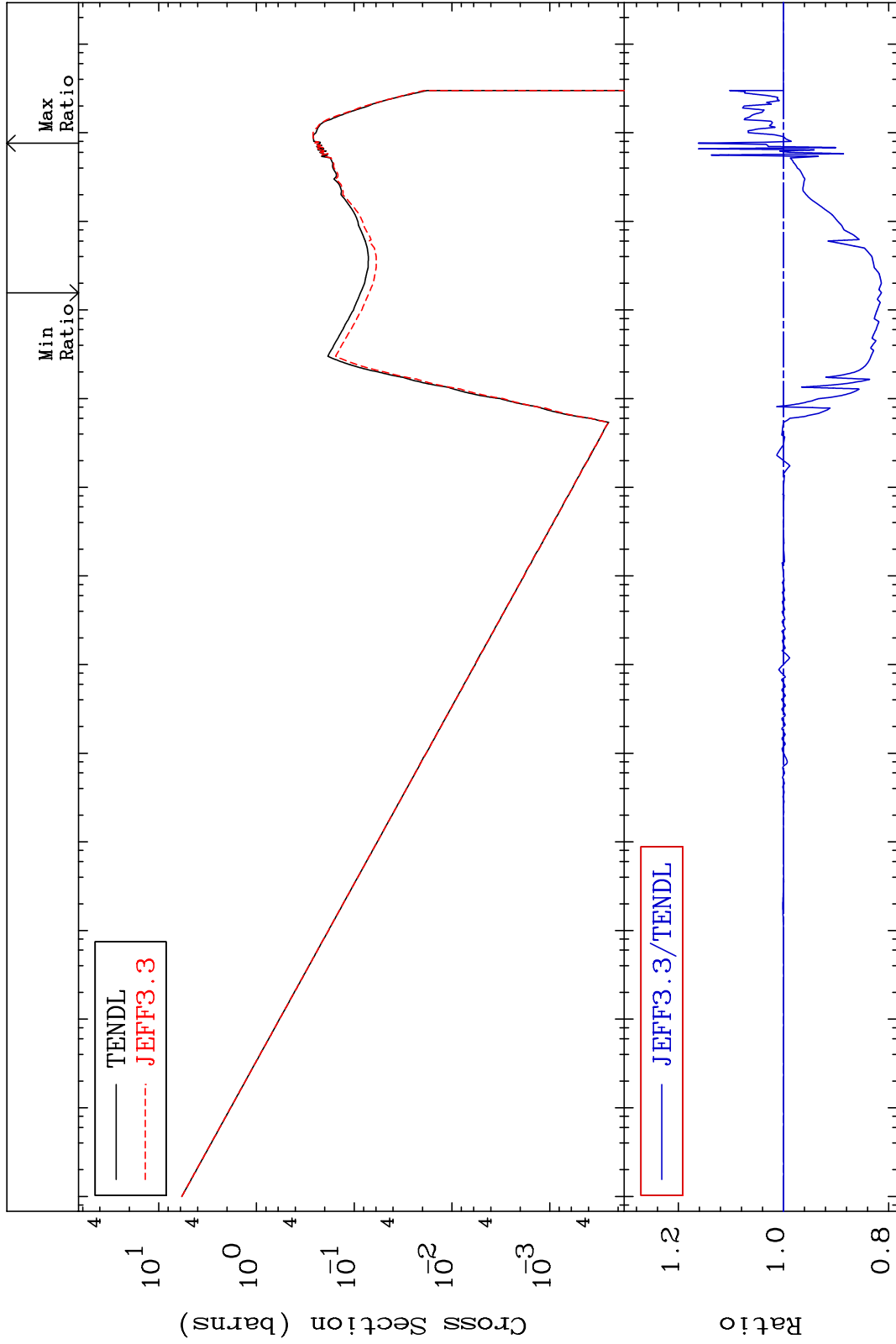
MAT 1628

(n, α)

16-S -33

Cross Section

-18.67 To 16.21 %

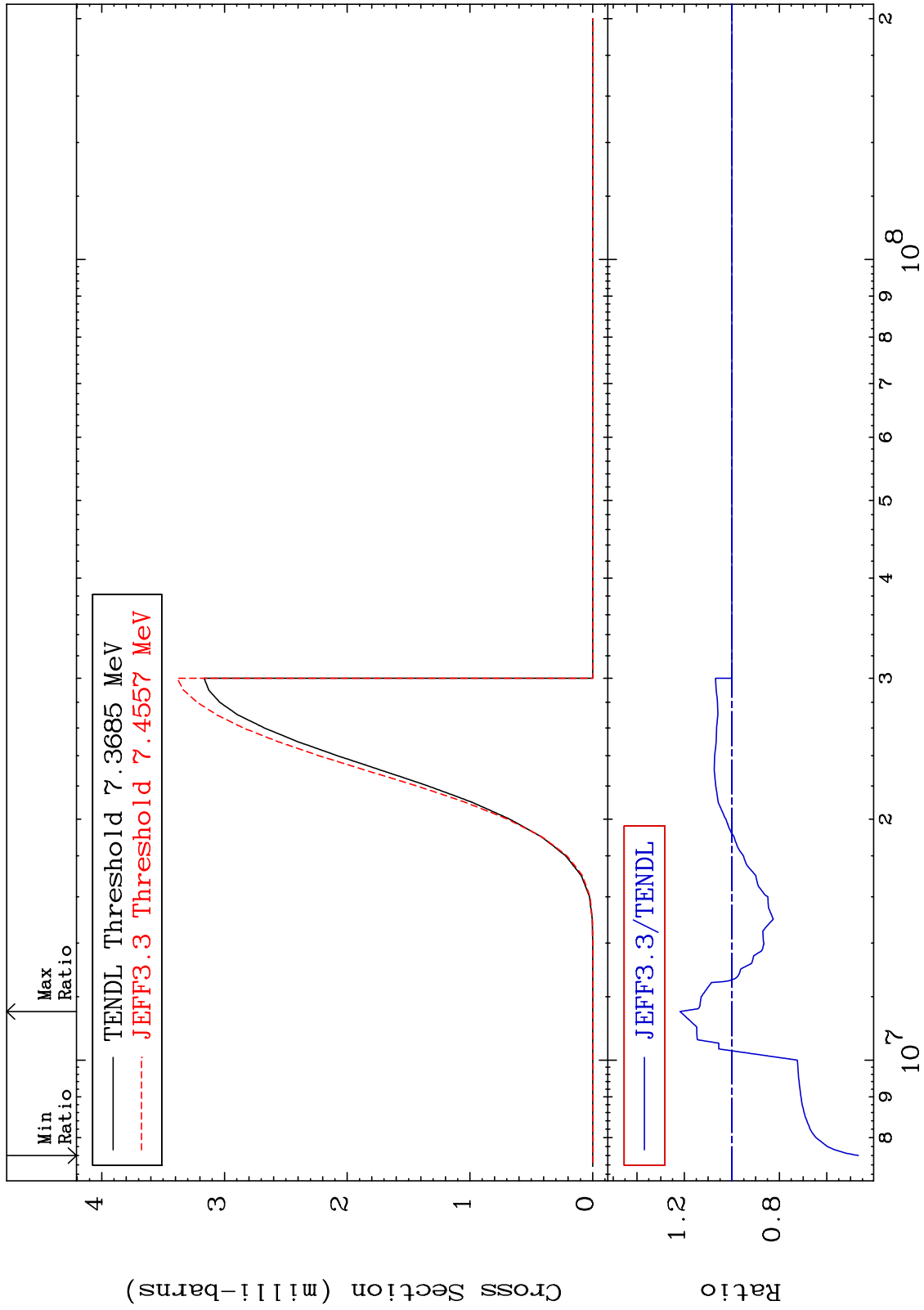


Incident Energy (eV)

53

16-S -33

MAT 1628 (n,2α) Cross Section 16-S -33 -53.30 To 21.85 %



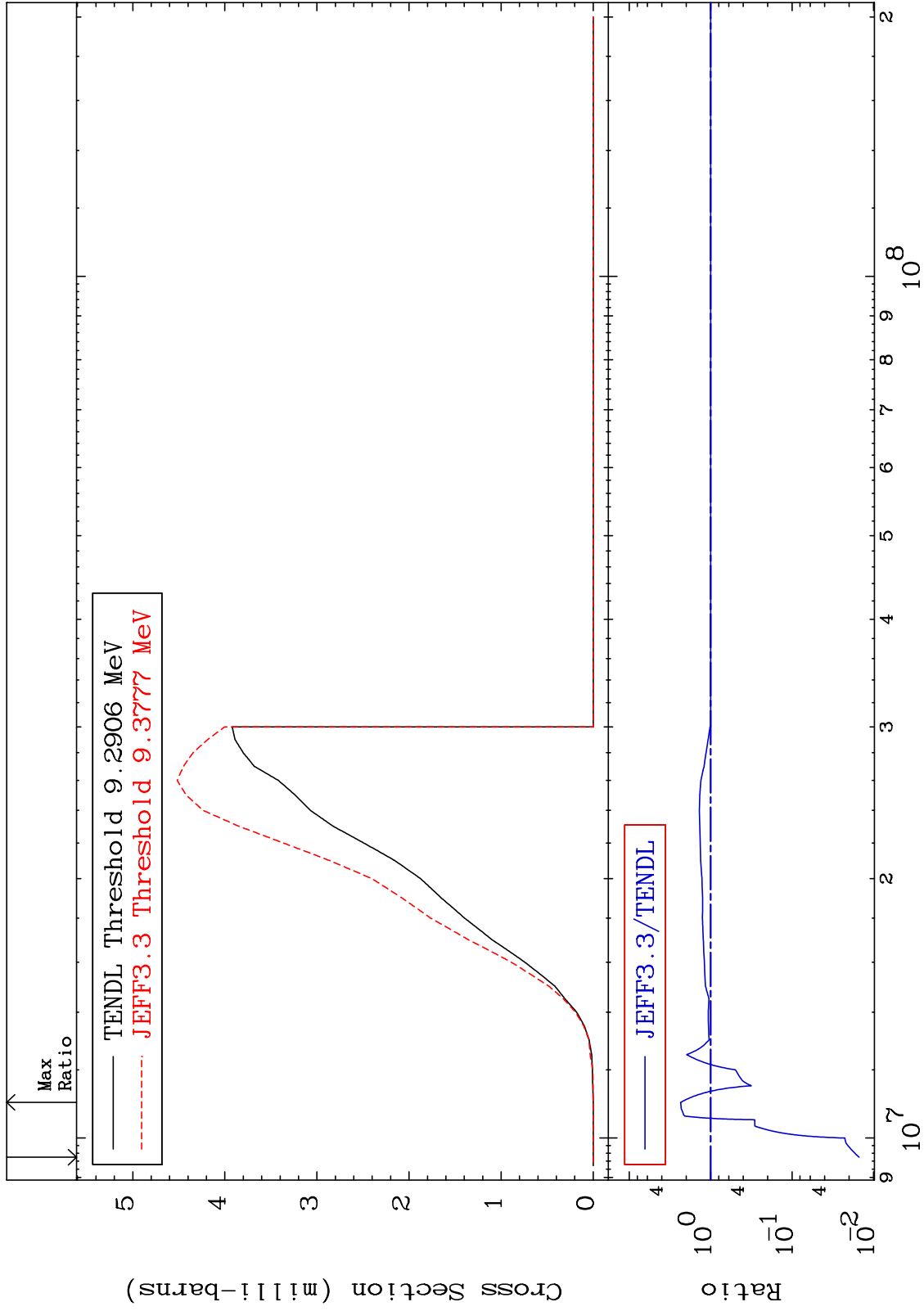
MAT 1628

(n,2p)

16-S -33

Cross Section

-98.50 To 134.5 %



55

16-S -33

16-S -33

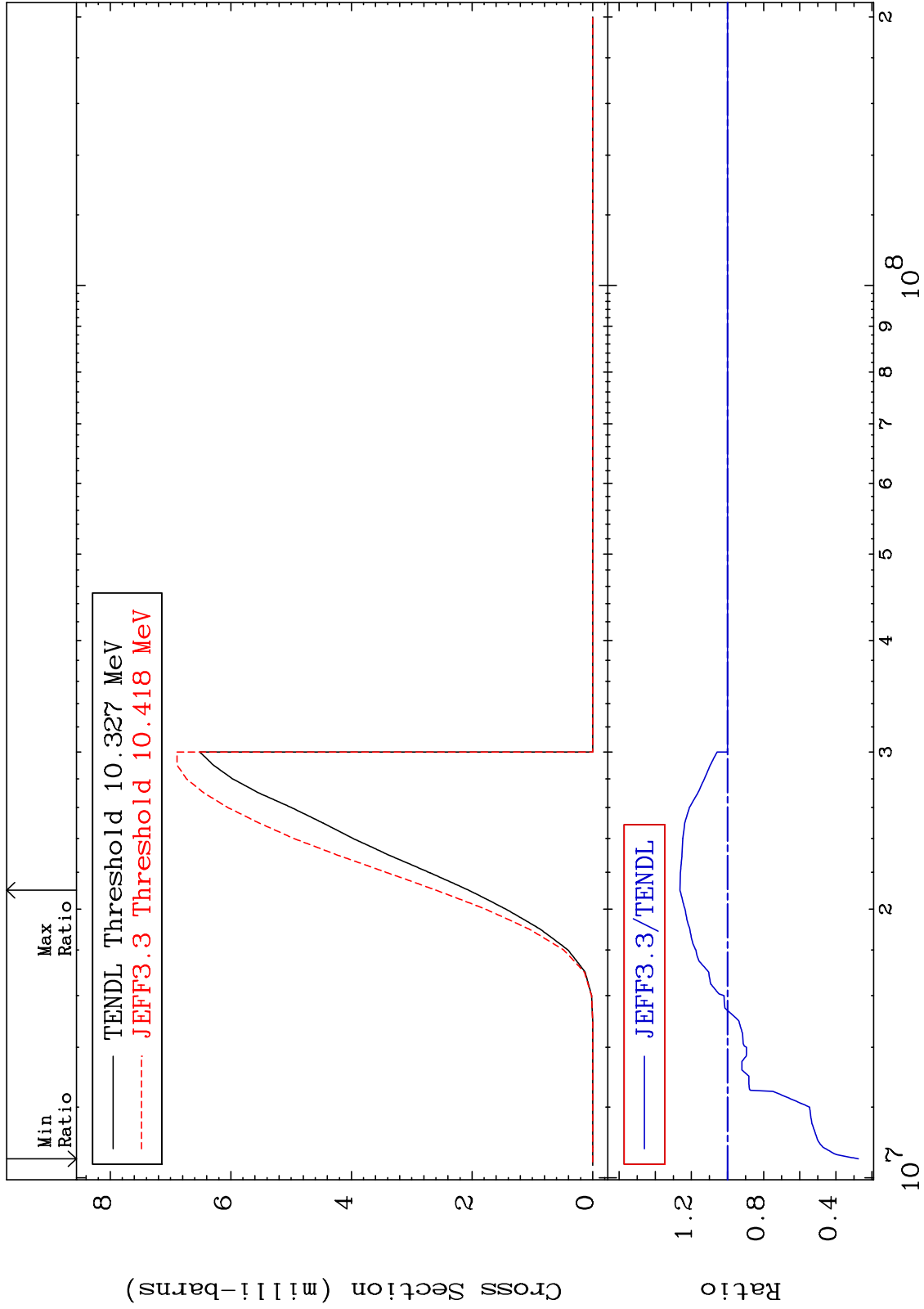
MAT 1628

(n,p) α

16-S -33

Cross Section

-72.49 To 26.28 %



56

Incident Energy (eV)

16-S -33

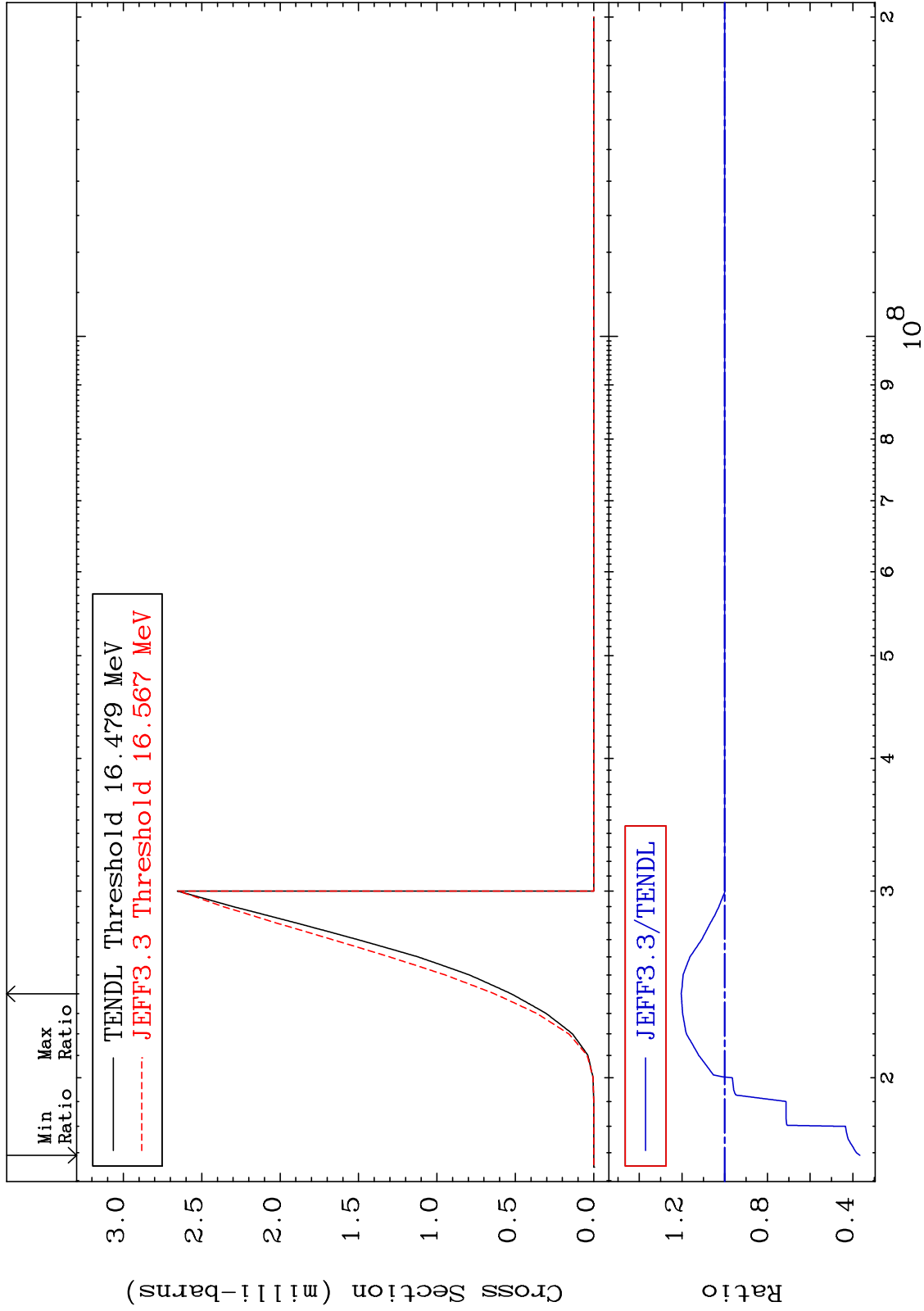
MAT 1628

(n,p) d

16-S -33

Cross Section

-63.30 To 20.37 %



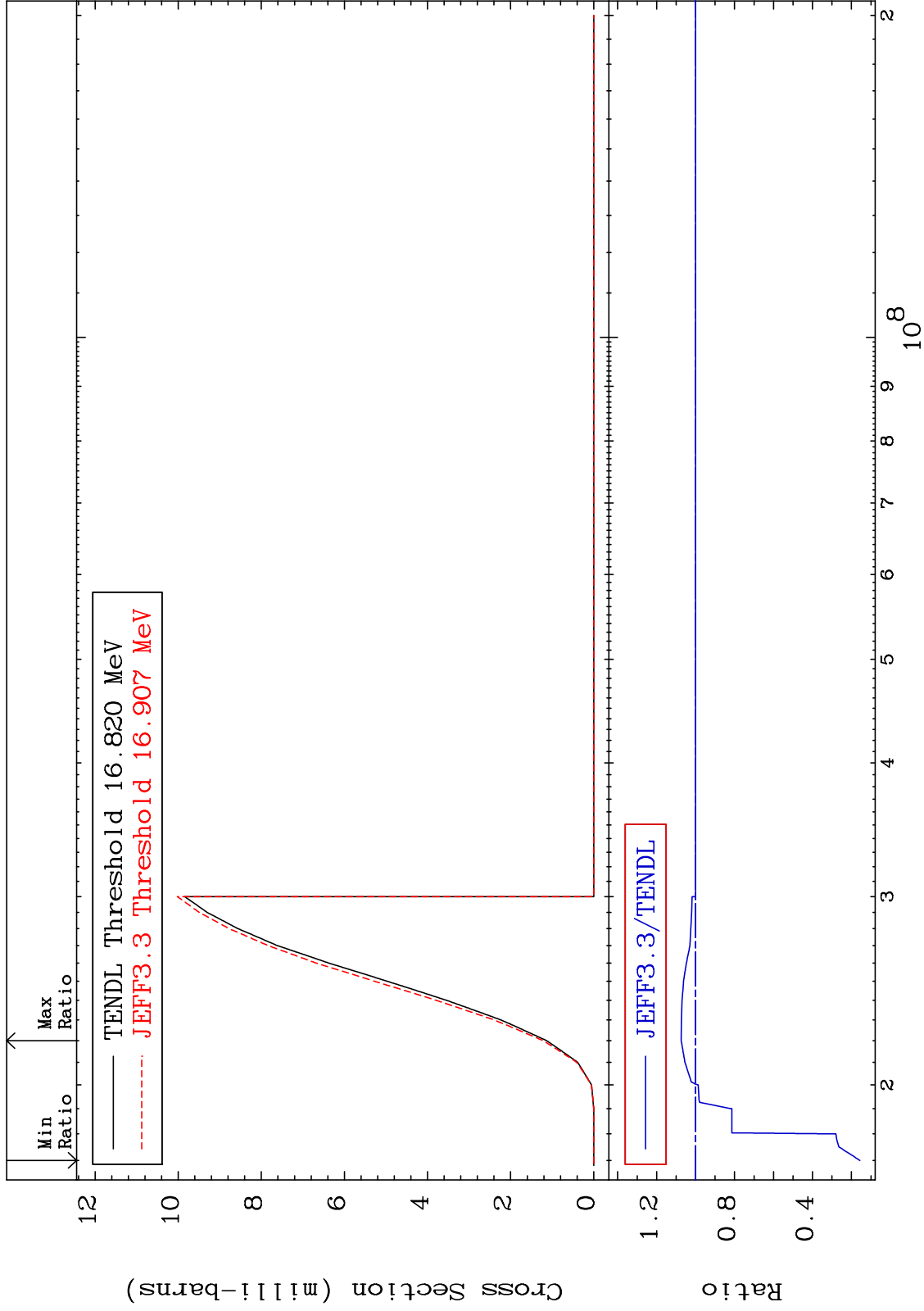
MAT 1628

(n,p) t

16-S -33

Cross Section

-84.34 To 7.379 %

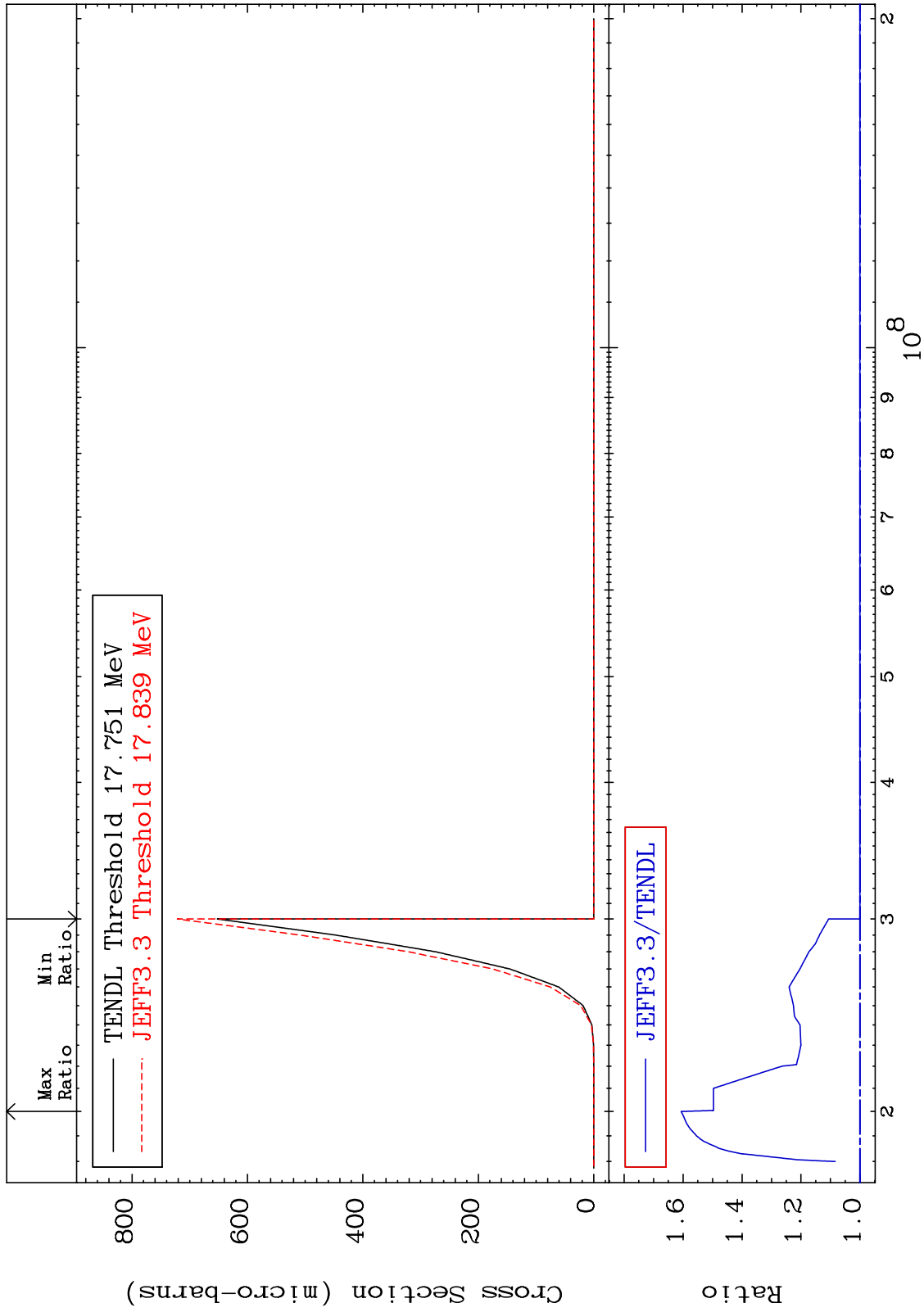


58

Incident Energy (eV)

16-S -33

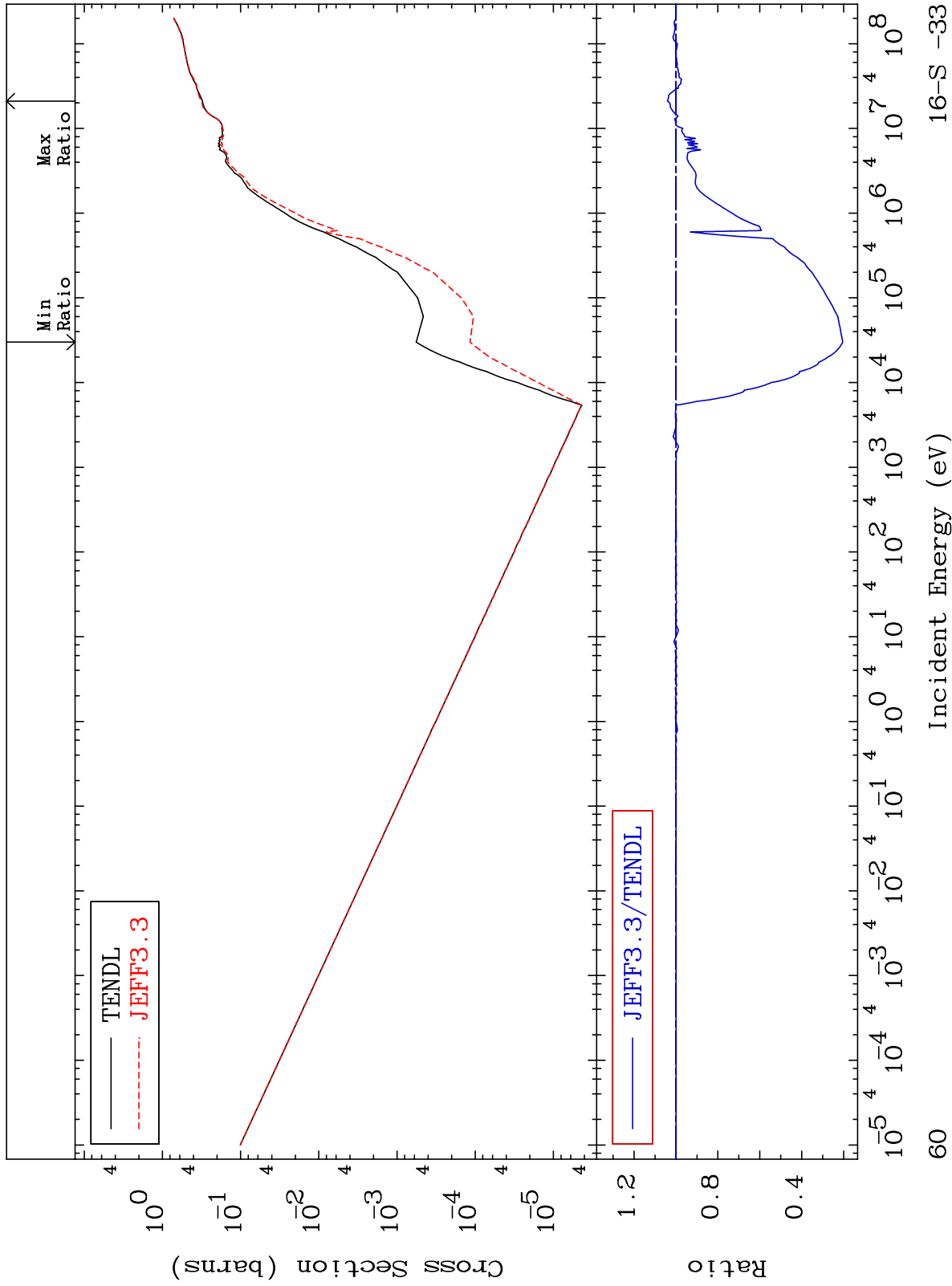
MAT 1628 (n,d) α 16-S -33
Cross Section 0.000 To 60.63 %



MAT 1628

Hydrogen Production Cross Section

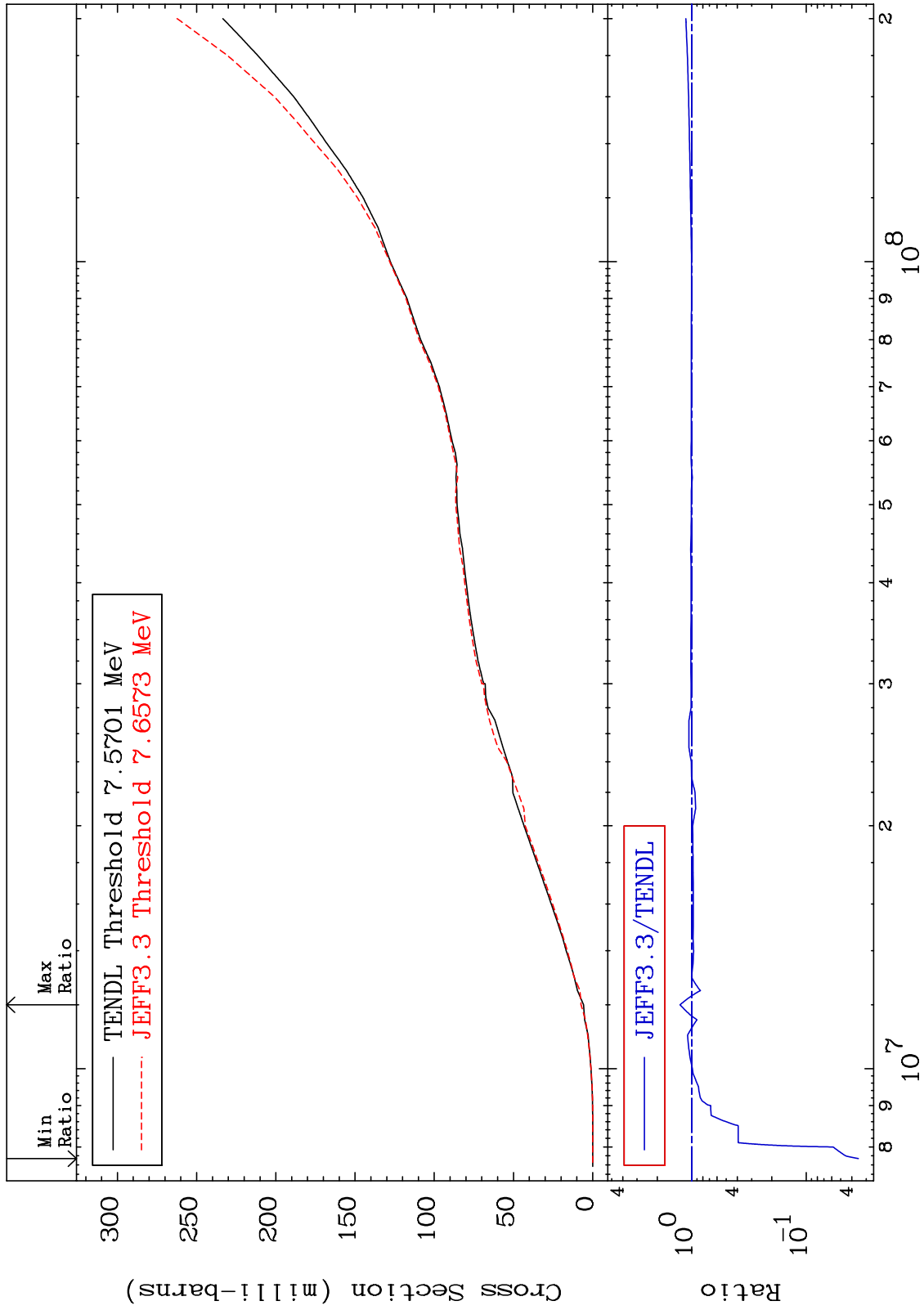
16-S -33
-79.50 To 4.011 %



MAT 1628

Deuterium Production
Cross Section

16-S -33
-96.49 To 26.48 %



61

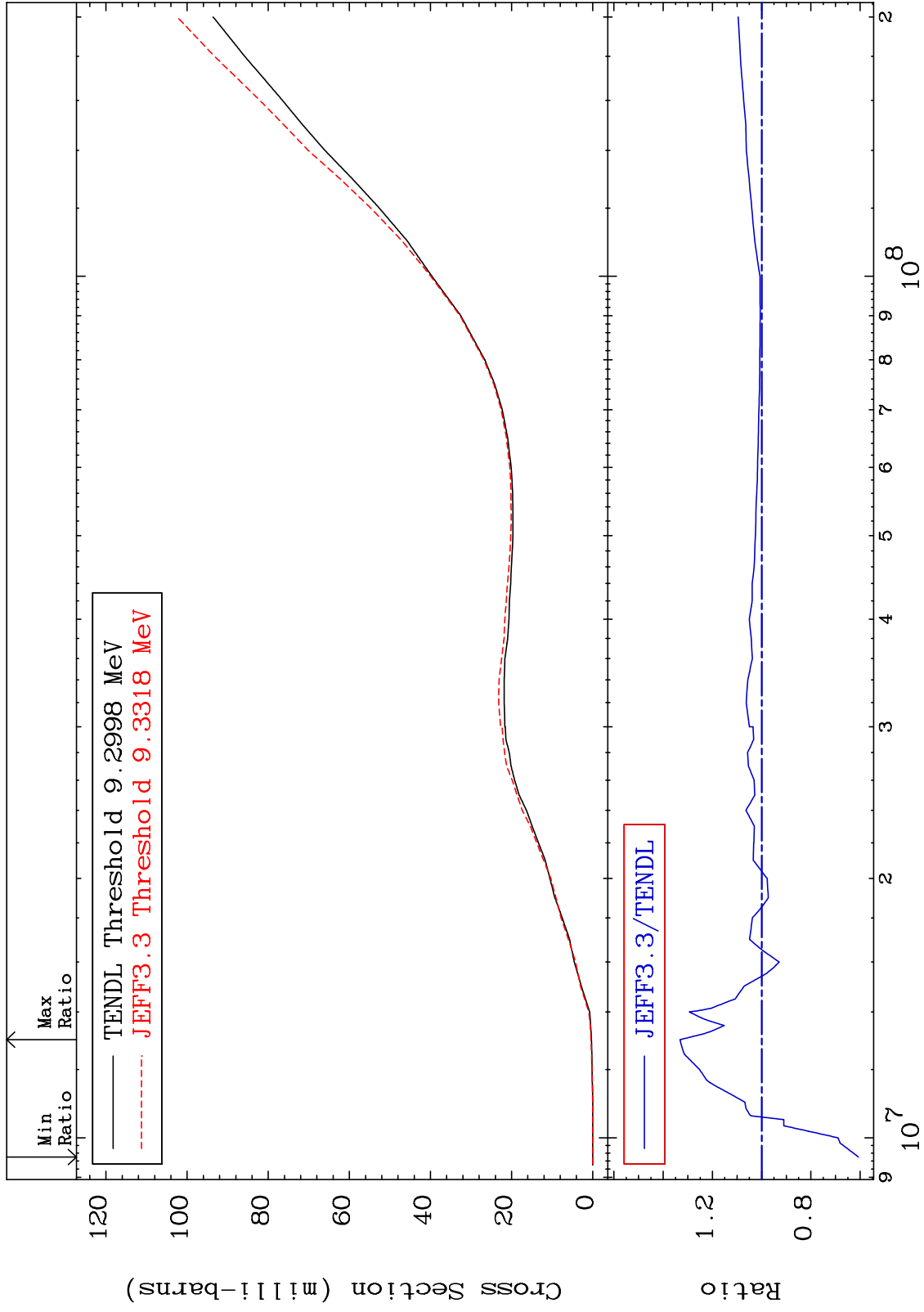
Incident Energy (eV)

16-S -33

MAT 1628

Tritium Production
Cross Section

16-S -33
-39.29 To 33.17 %



62

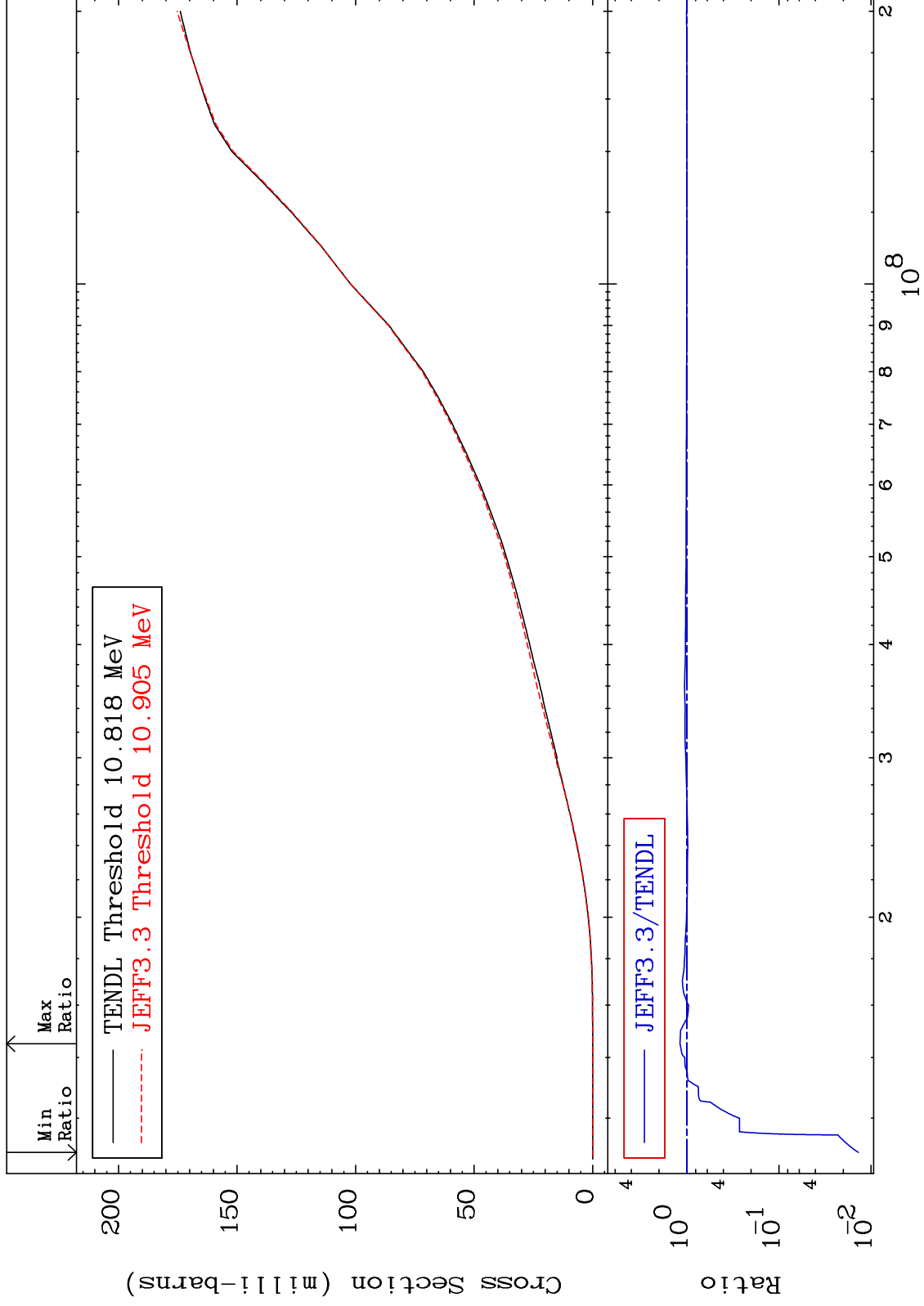
Incident Energy (eV)

16-S -33

MAT 1628

He-3 Production
Cross Section

16-S -33
-98.63 To 18.55 %



63

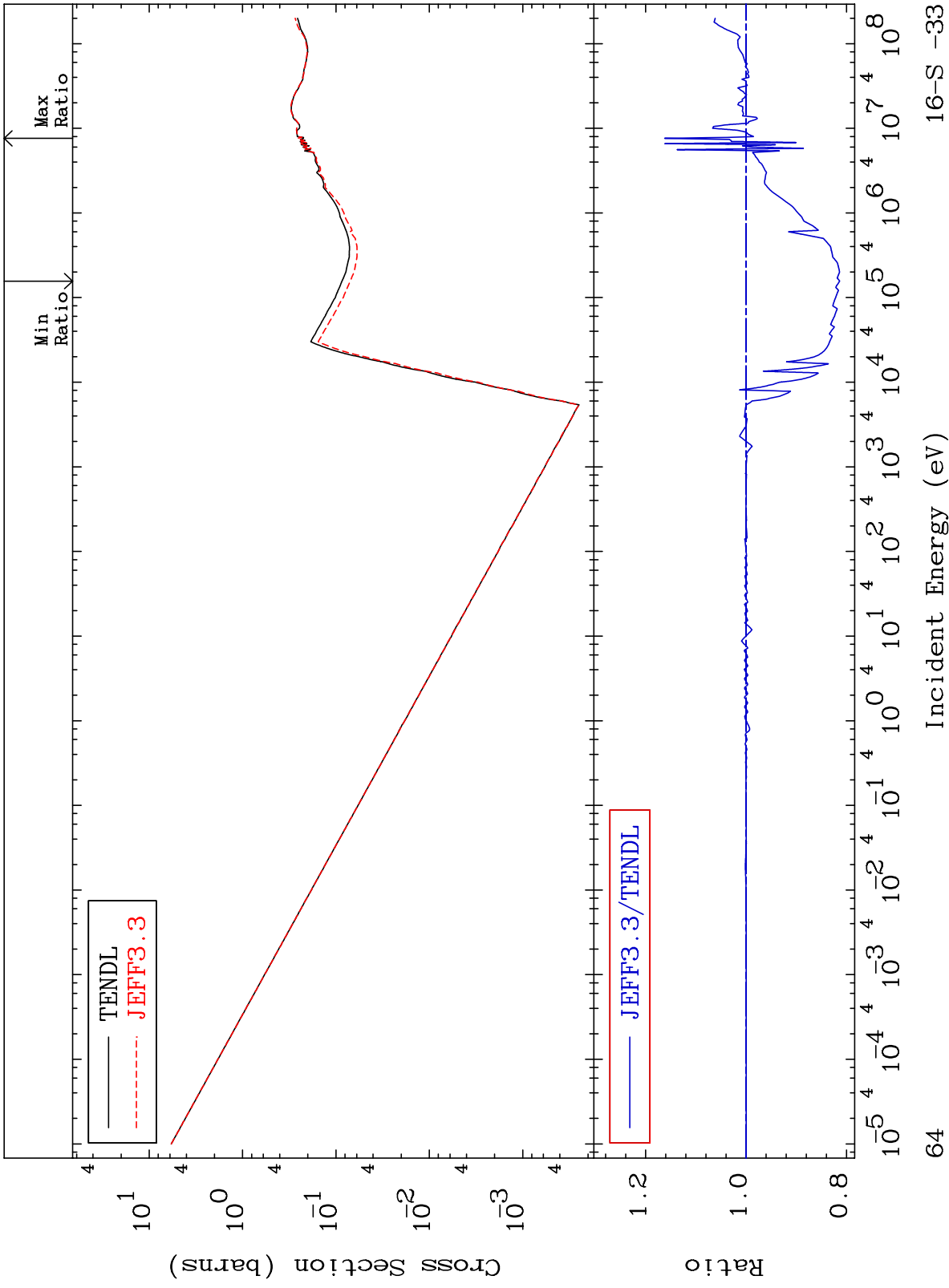
Incident Energy (eV)

16-S -33

MAT 1628

He-4 Production
Cross Section

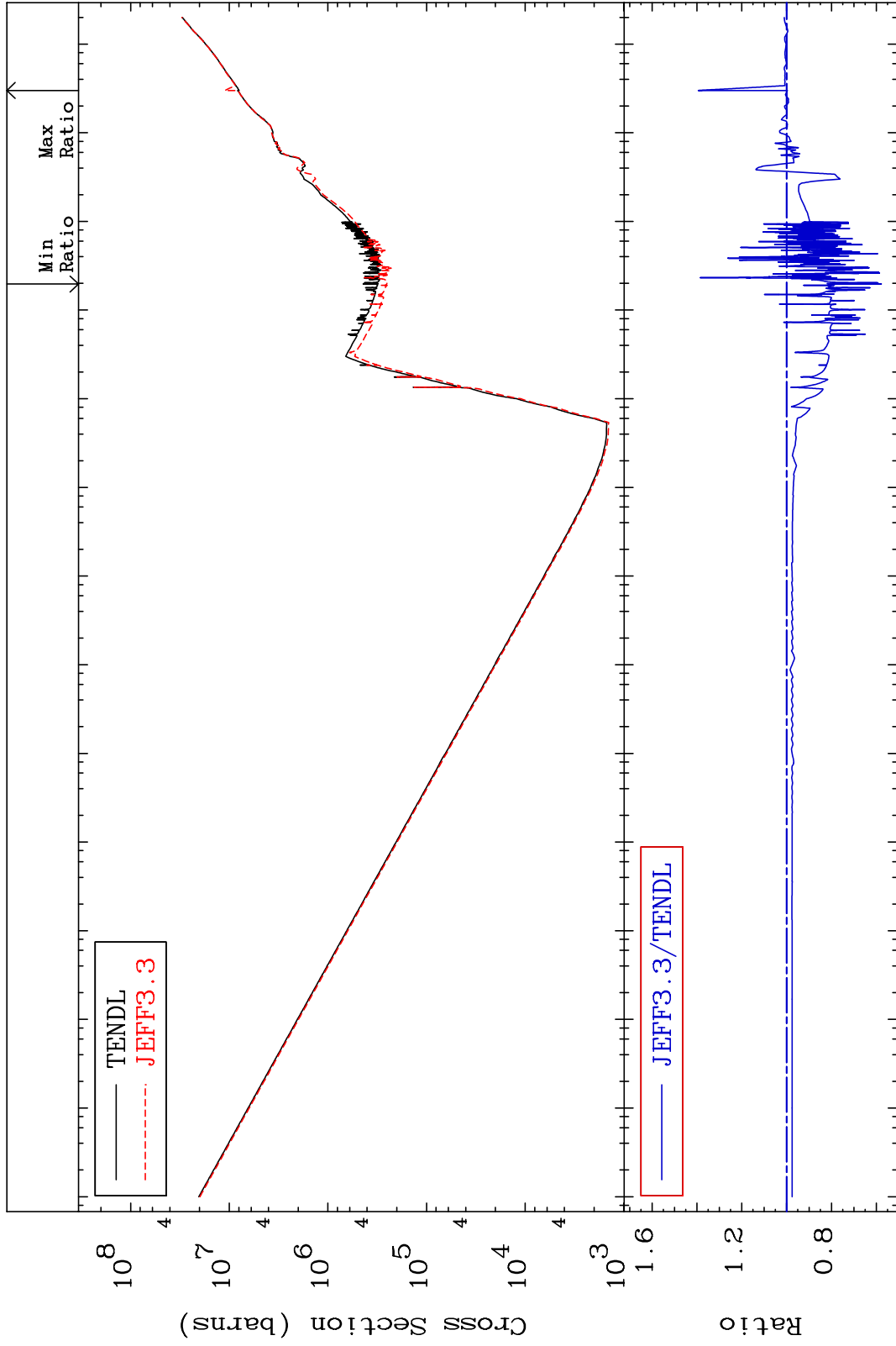
16-S -33
-18.67 To 16.21 %



MAT 1628

Kerma total (eV-barns)
Cross Section

16-S -33
-42.36 To 39.40 %



65

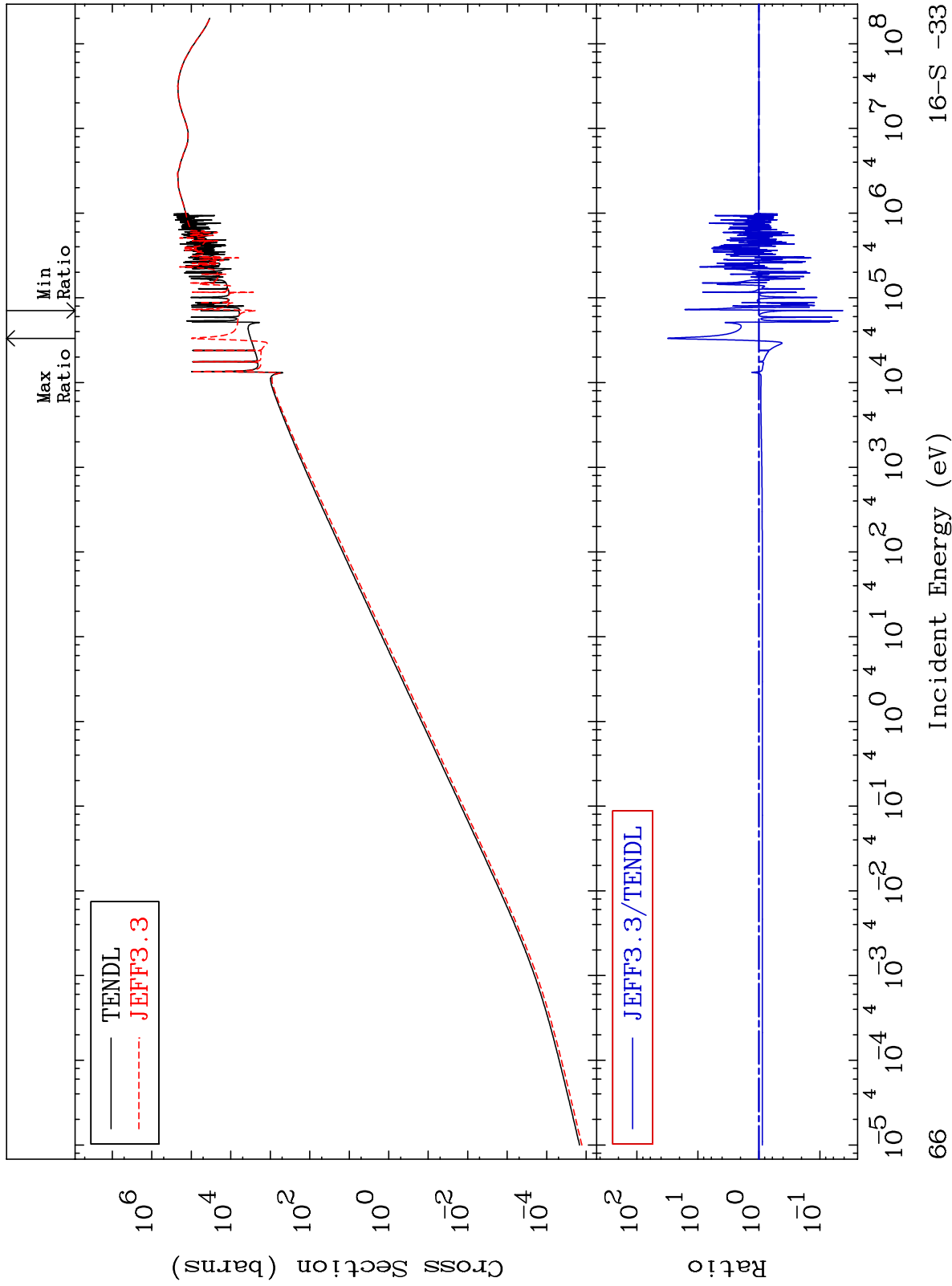
Incident Energy (eV)

16-S -33

MAT 1628

Kerma elastic
Cross Section

16-S -33
-95.77 To 3038. %



66

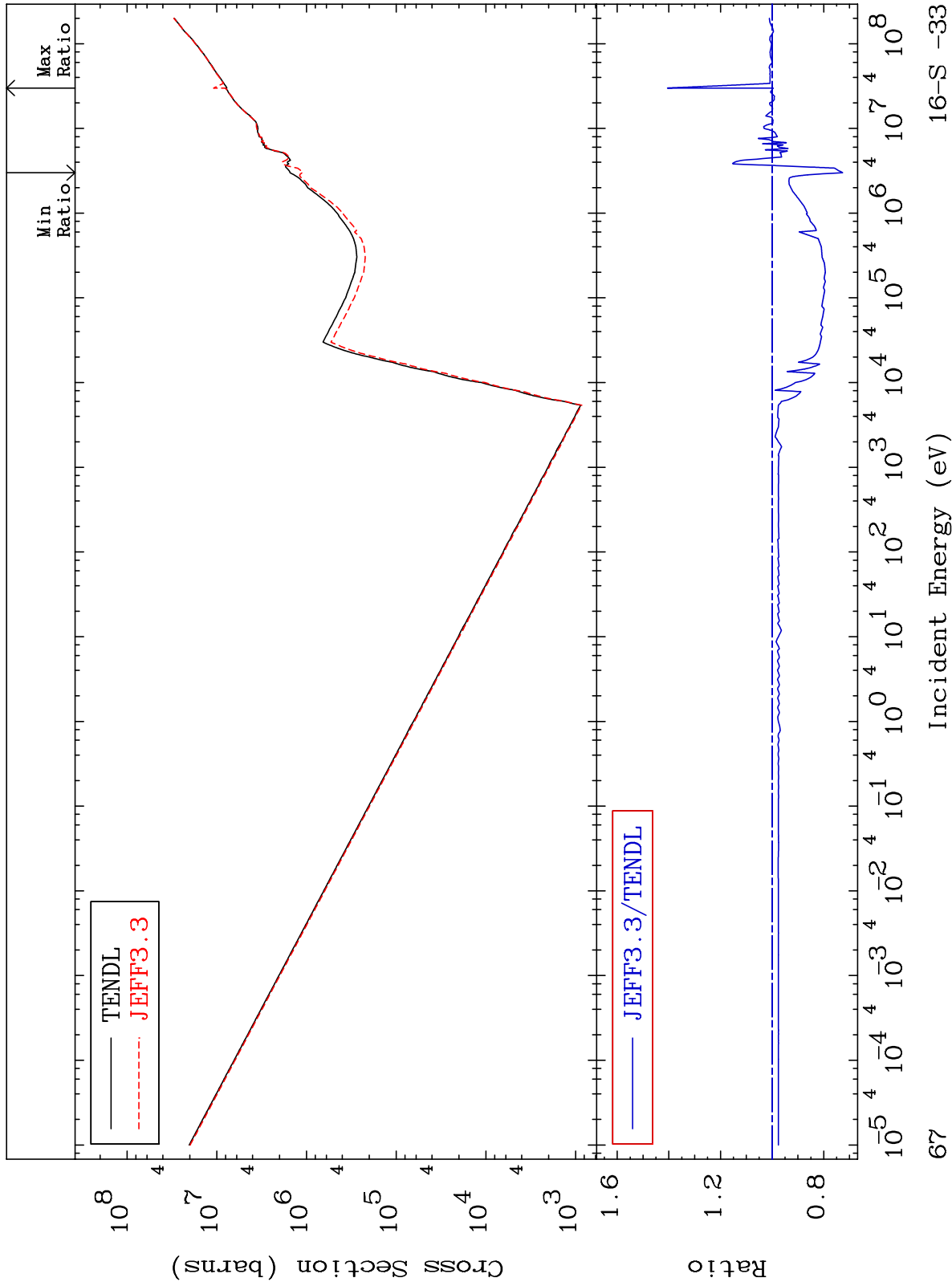
Incident Energy (eV)

16-S -33

MAT 1628

Kerma non-elastic (all but mt2)
Cross Section

16-S -33
-27.33 To 40.50 %



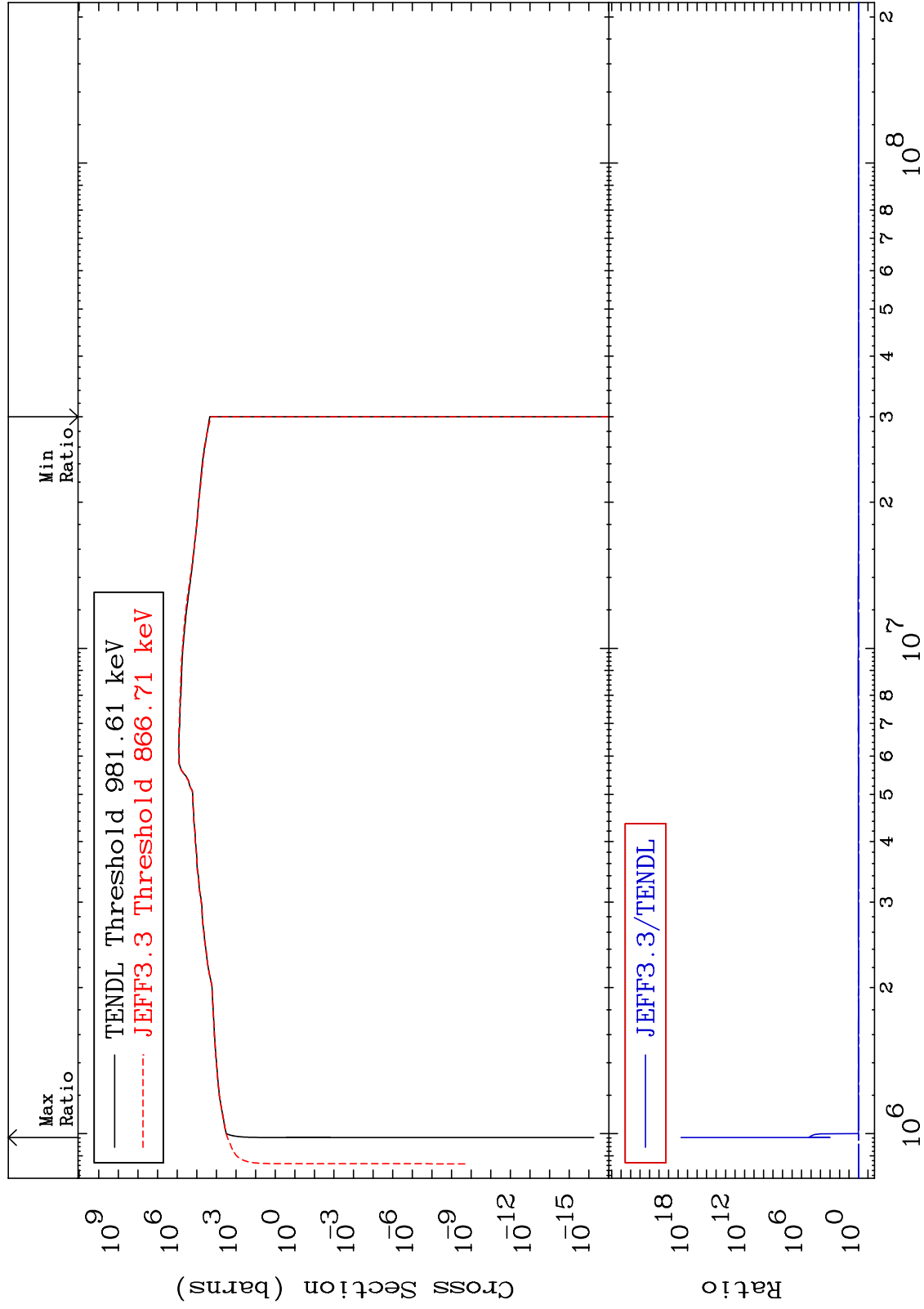
67

16-S -33

MAT 1628

Kerma inelastic (mt51-91)
Cross Section

16-S -33
-17.01 To 9999. %



68

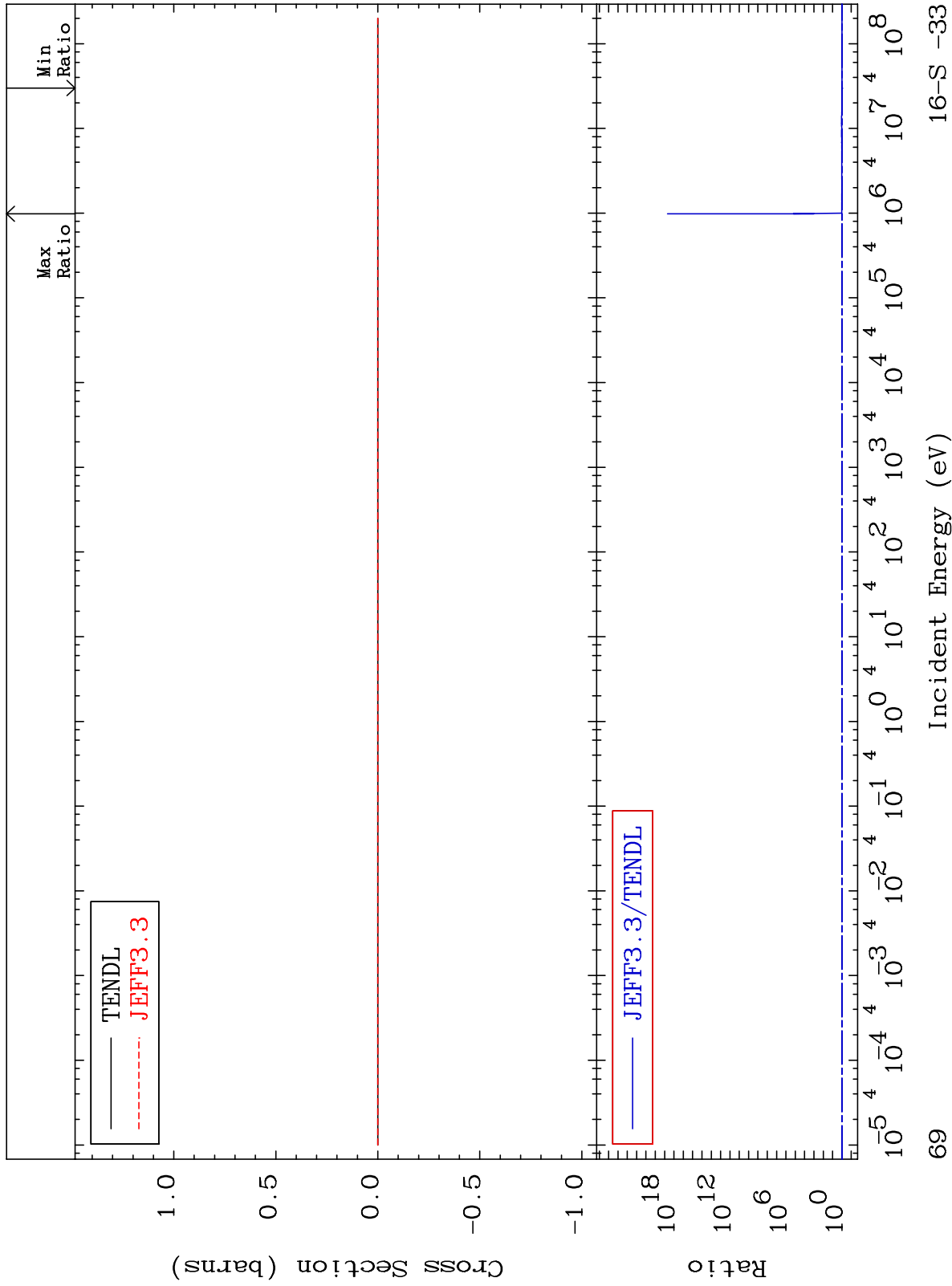
Incident Energy (eV)

16-S -33

MAT 1628

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

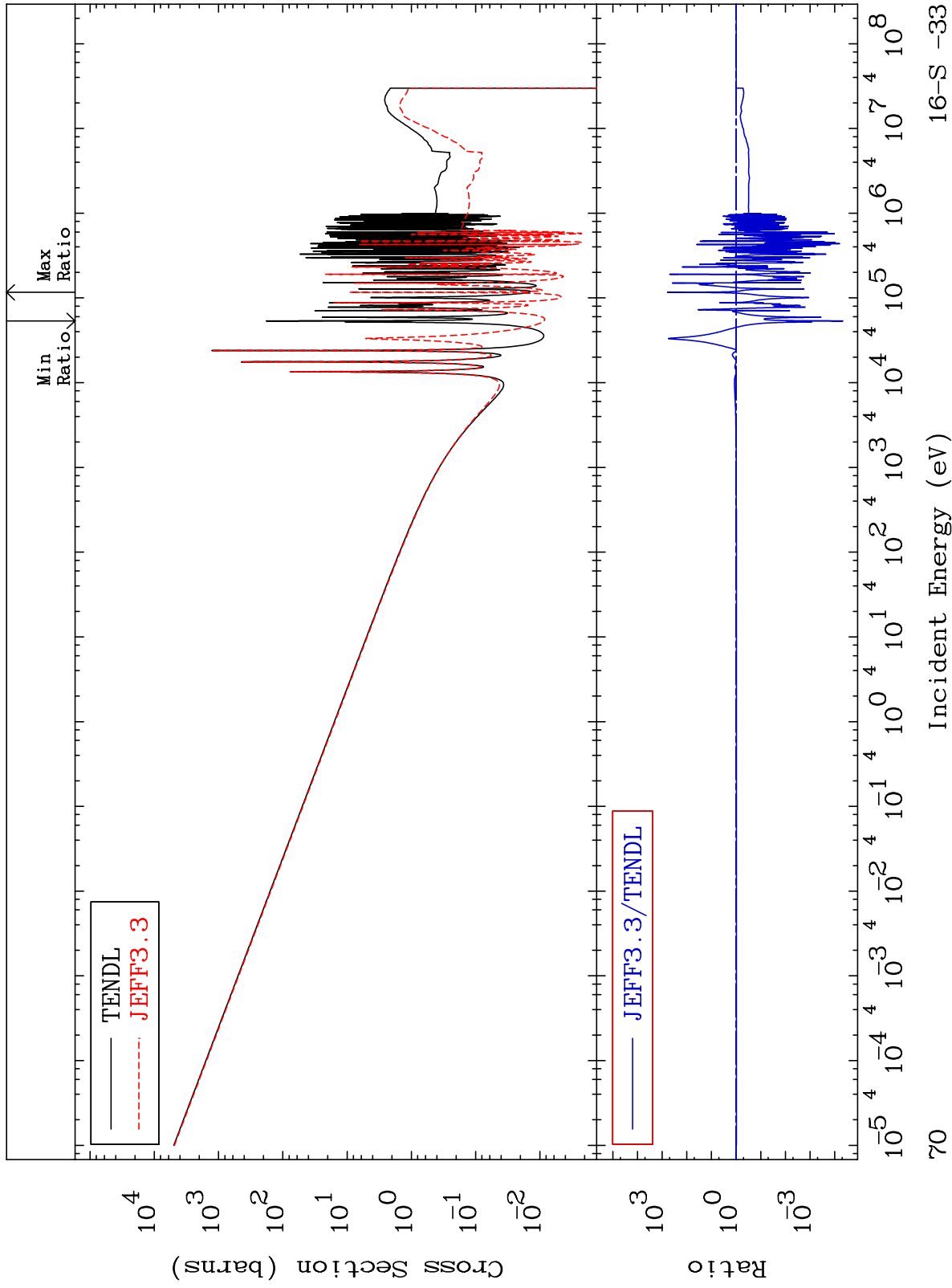
16-S -33
-17.01 To 9999. %



MAT 1628

Kerma capture (mt102)
Cross Section

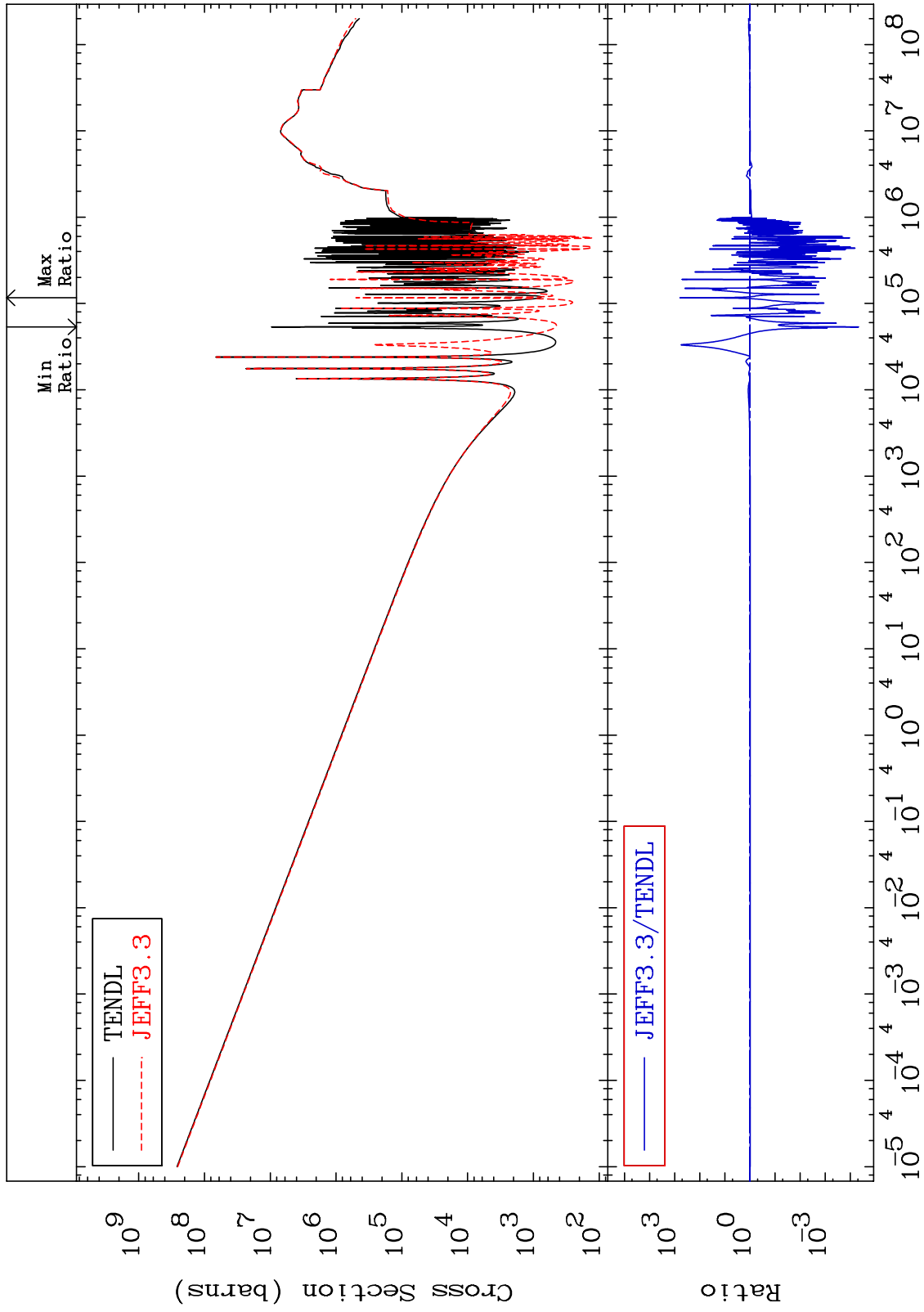
16-S -33
-100.0 To 9999. %



MAT 1628

Total photon (eV-barns)
Cross Section

16-S -33
-100.0 To 9999. %



71

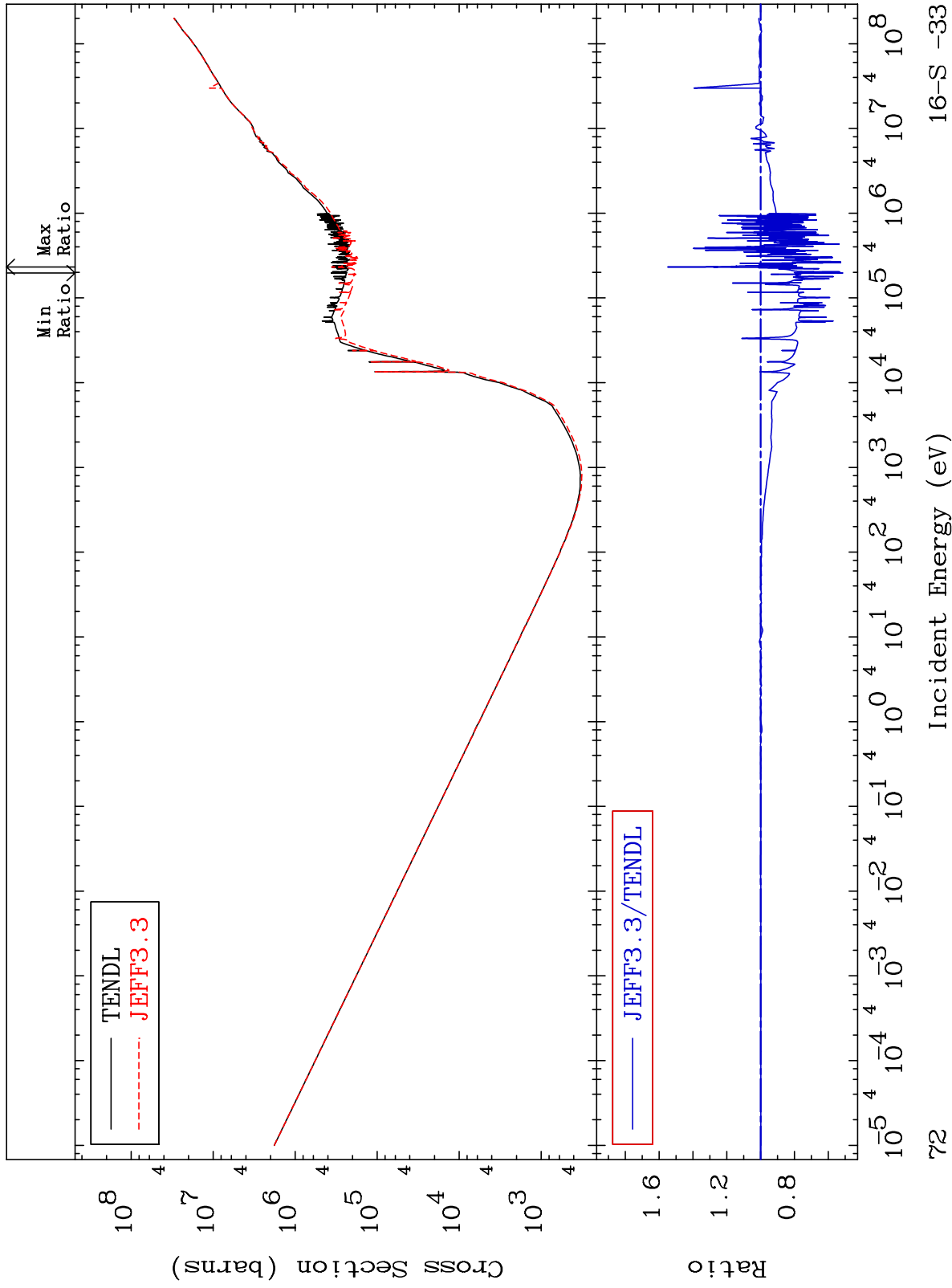
Incident Energy (eV)

16-S -33

MAT 1628

Total kinematic kerma (high limit)
Cross Section

16-S -33
-48.49 To 55.05 %

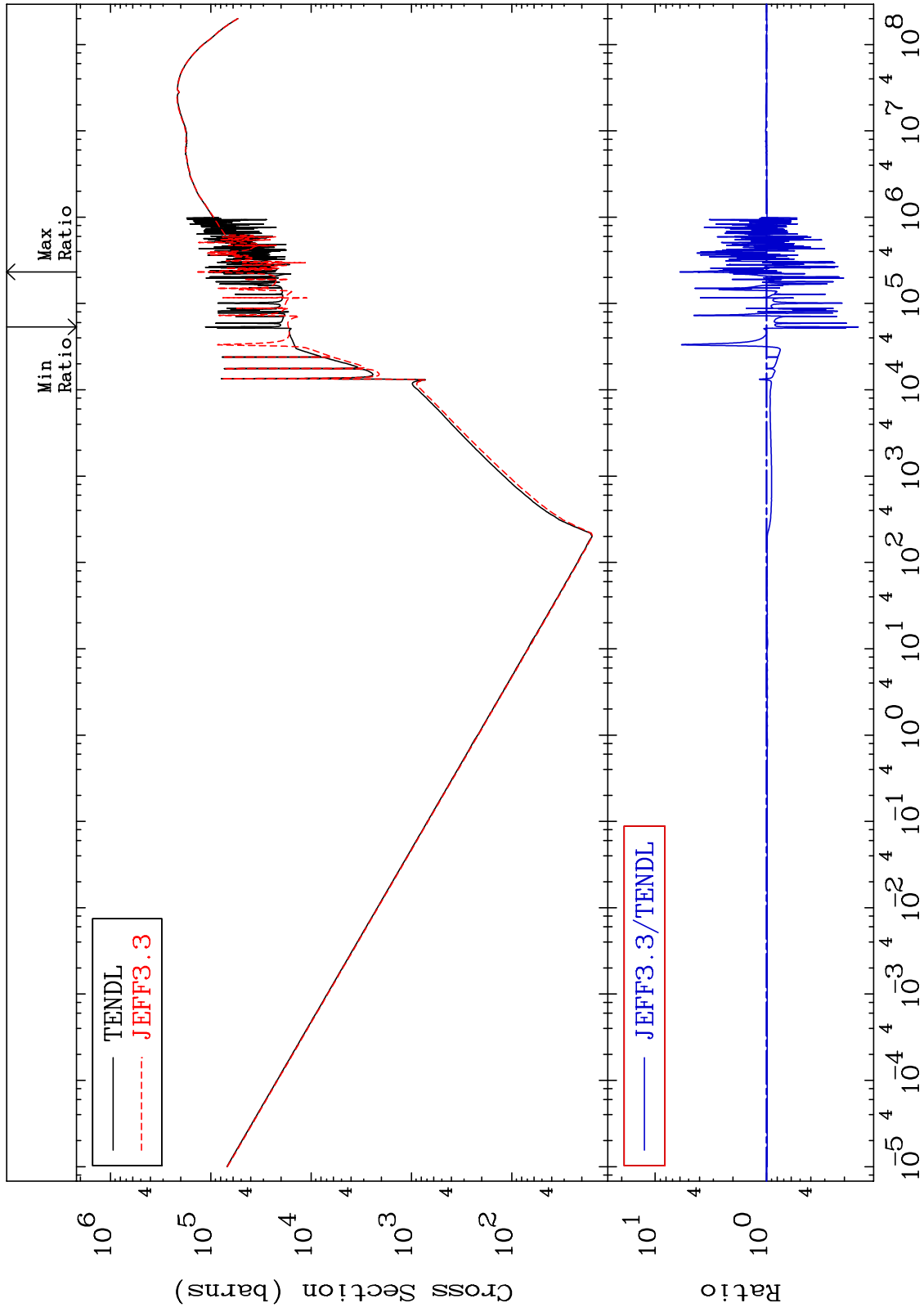


16-S -33

MAT 1628

Dpa total (eV-barns)
Cross Section

16-S -33
-85.04 To 498.3 %



73

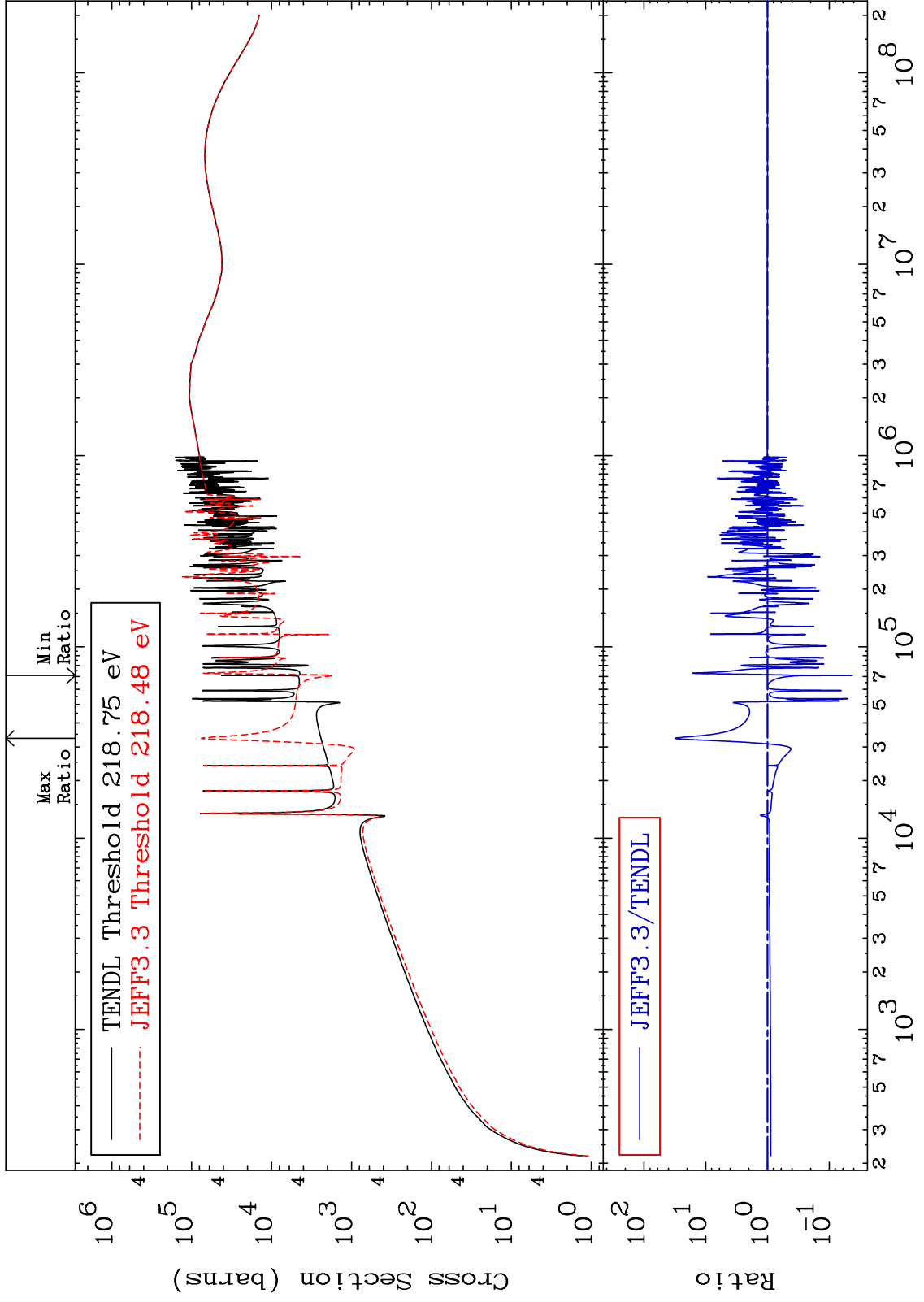
Incident Energy (eV)

16-S -33

MAT 1628

Dpa elastic (mt2)
Cross Section

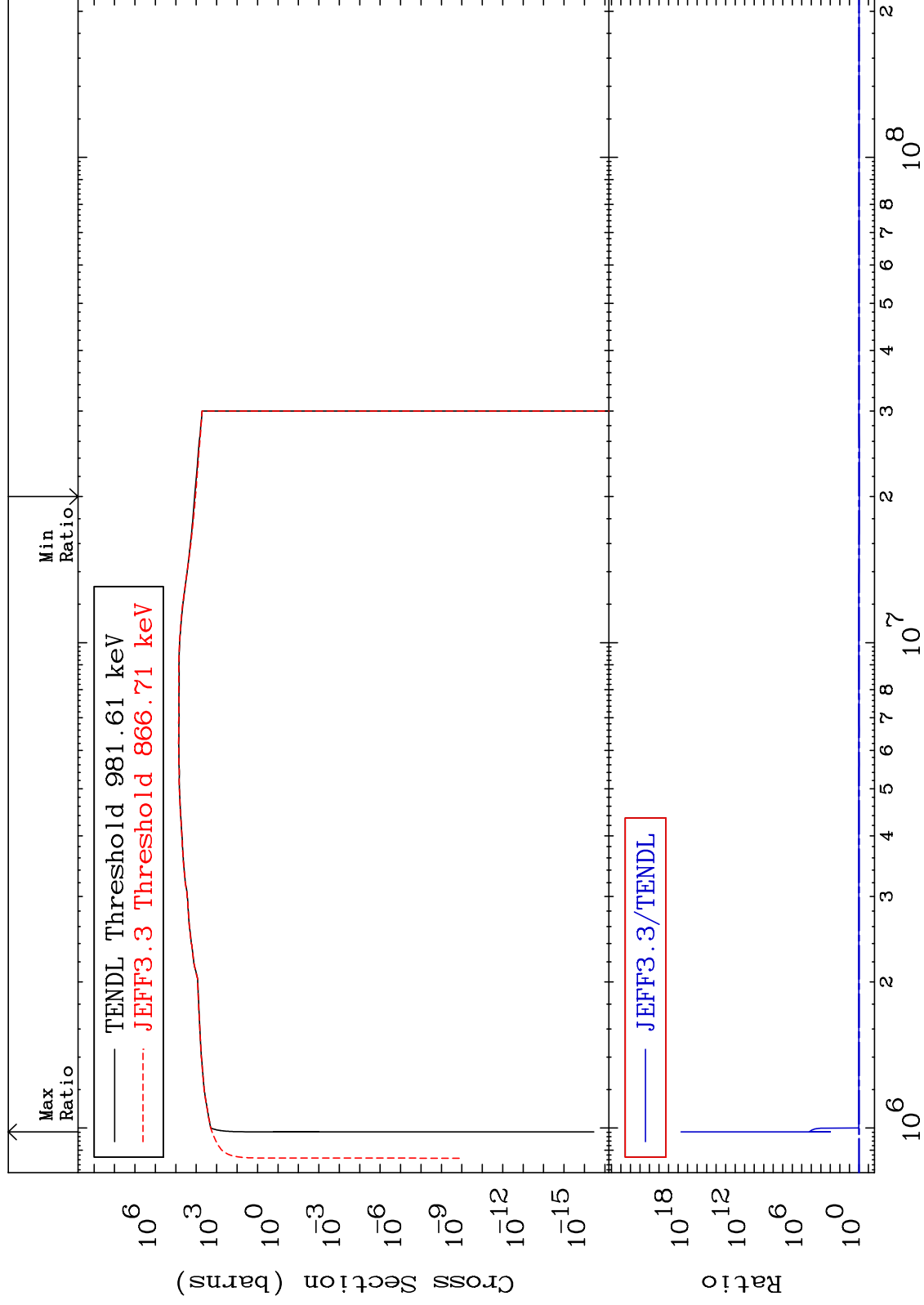
16-S -33
-95.77 To 3038. %



MAT 1628

Dpa inelastic (mt51-91)
Cross Section

16-S -33
-8.483 To 9999. %



75

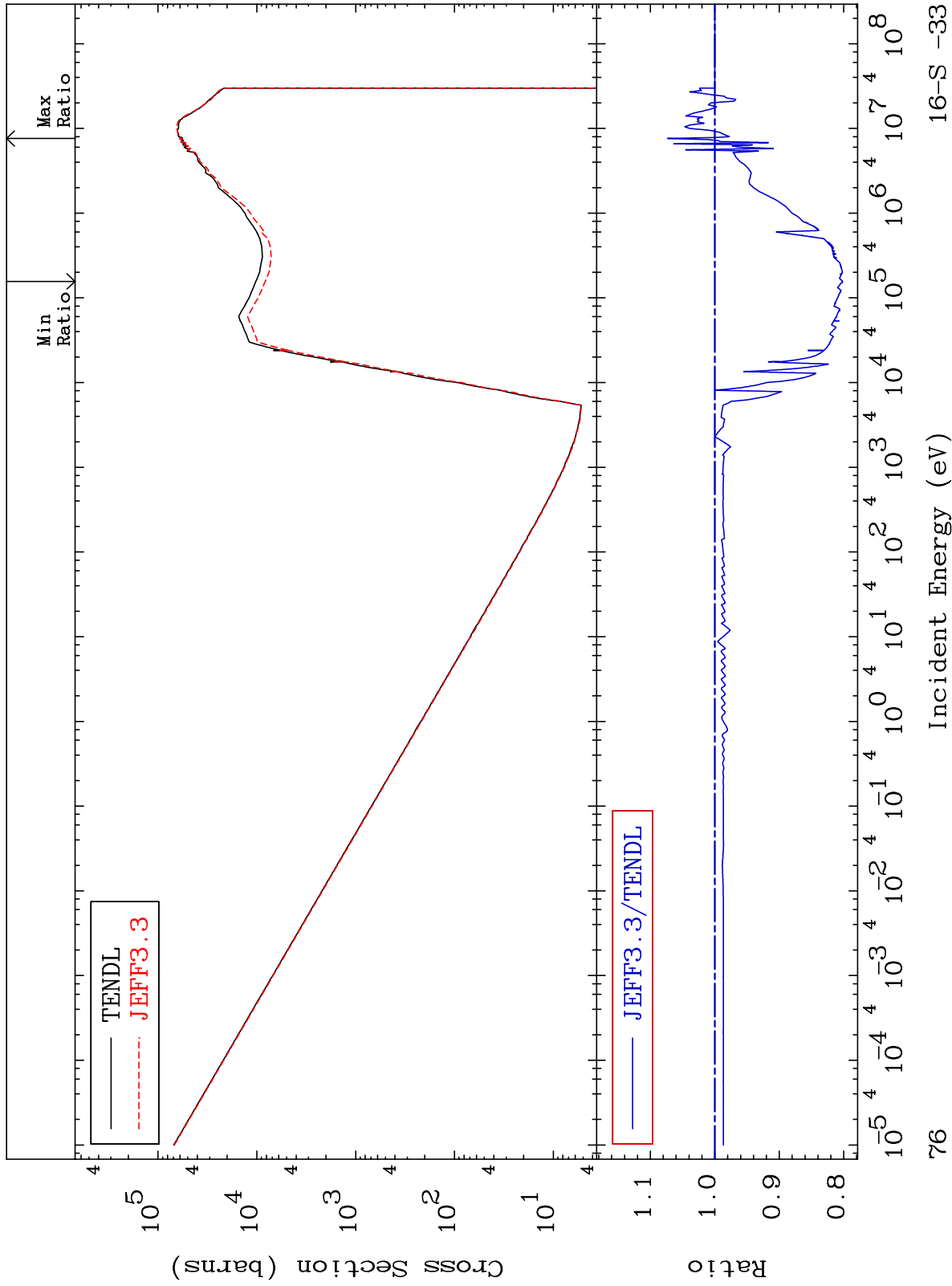
Incident Energy (eV)

16-S -33

MAT 1628

Dpa disappearance (mt102 -120)
Cross Section

16-S -33
-19.84 To 7.335 %



76

Incident Energy (eV)

16-S -33