

Program Complot
(Version 2021-1)

by

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U.S.A.

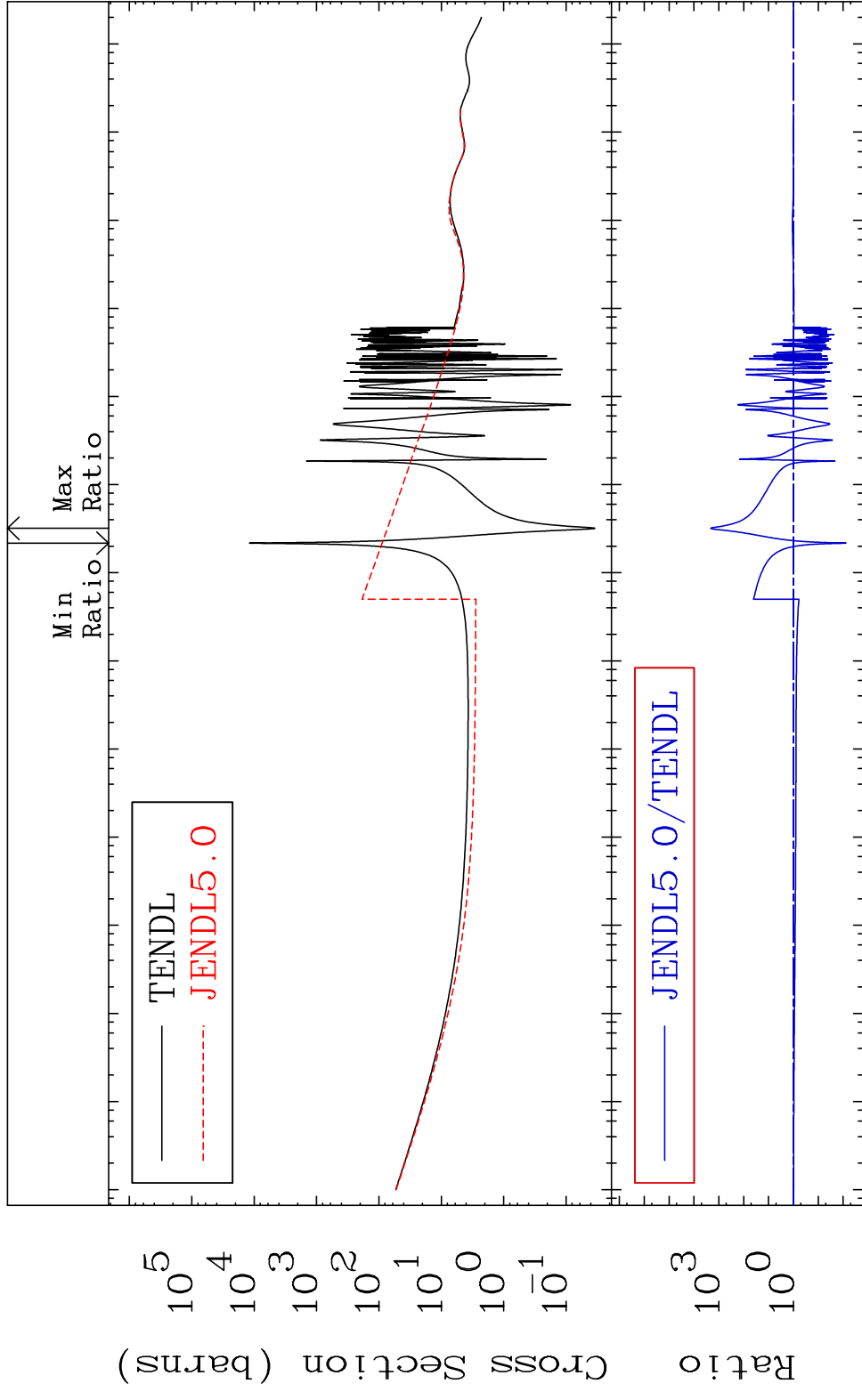
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E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5849

Total 58-Ce-144
Cross Section -99.26 To 9999. %



1 Incident Energy (eV) 58-Ce-144

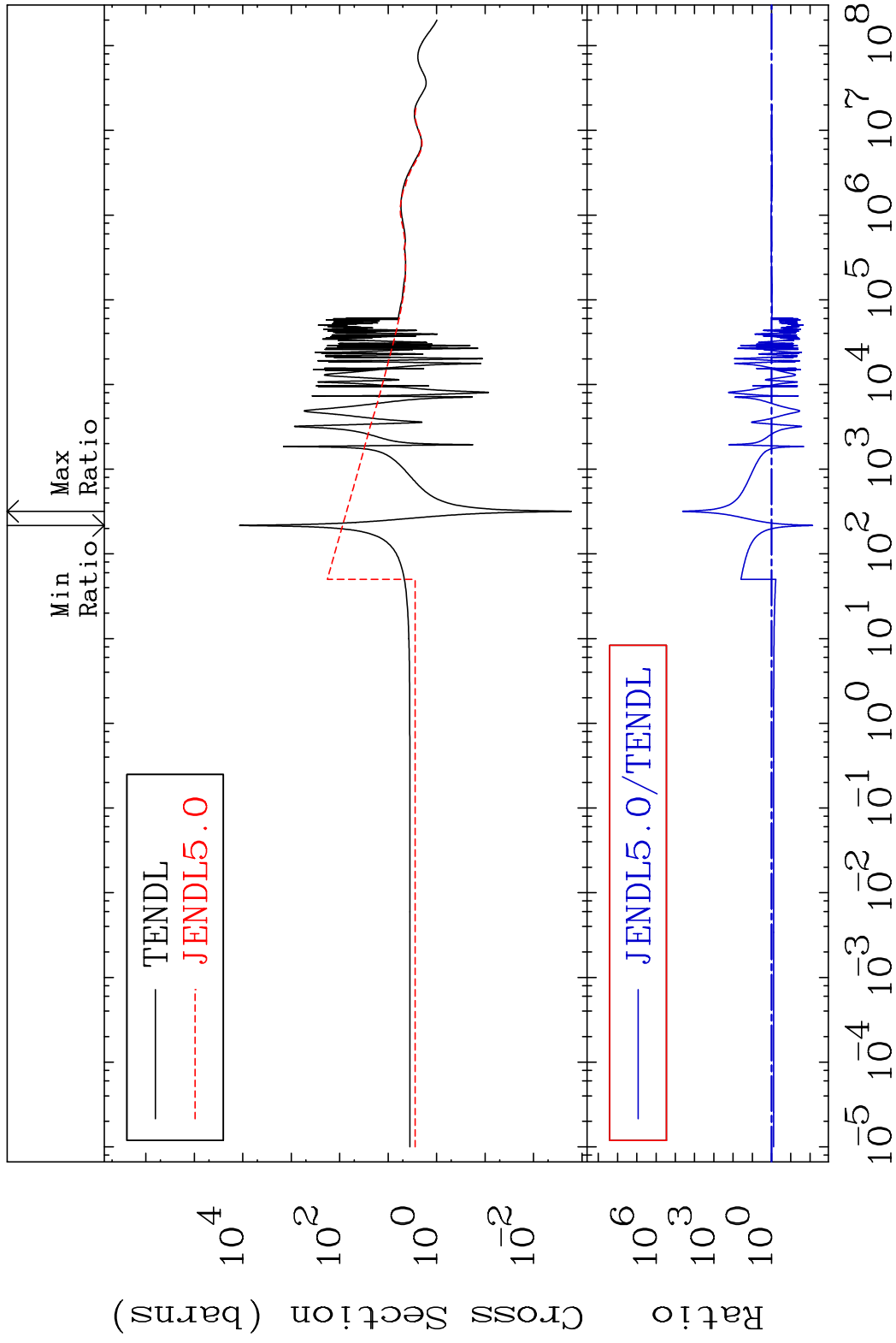
MAT 5849

Elastic

58-Ce-144

Cross Section

-99.26 To 9999. %

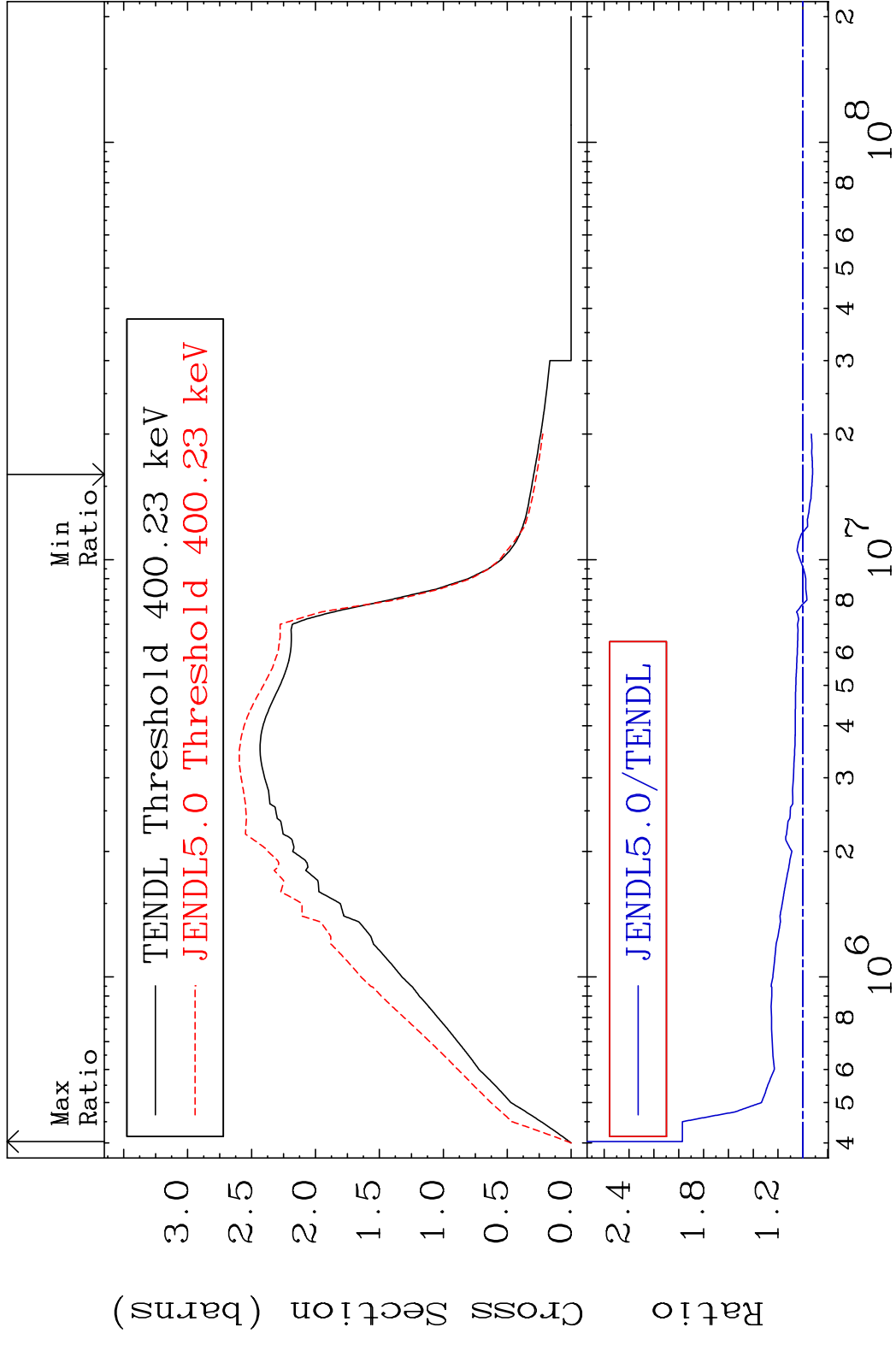


2

Incident Energy (eV)

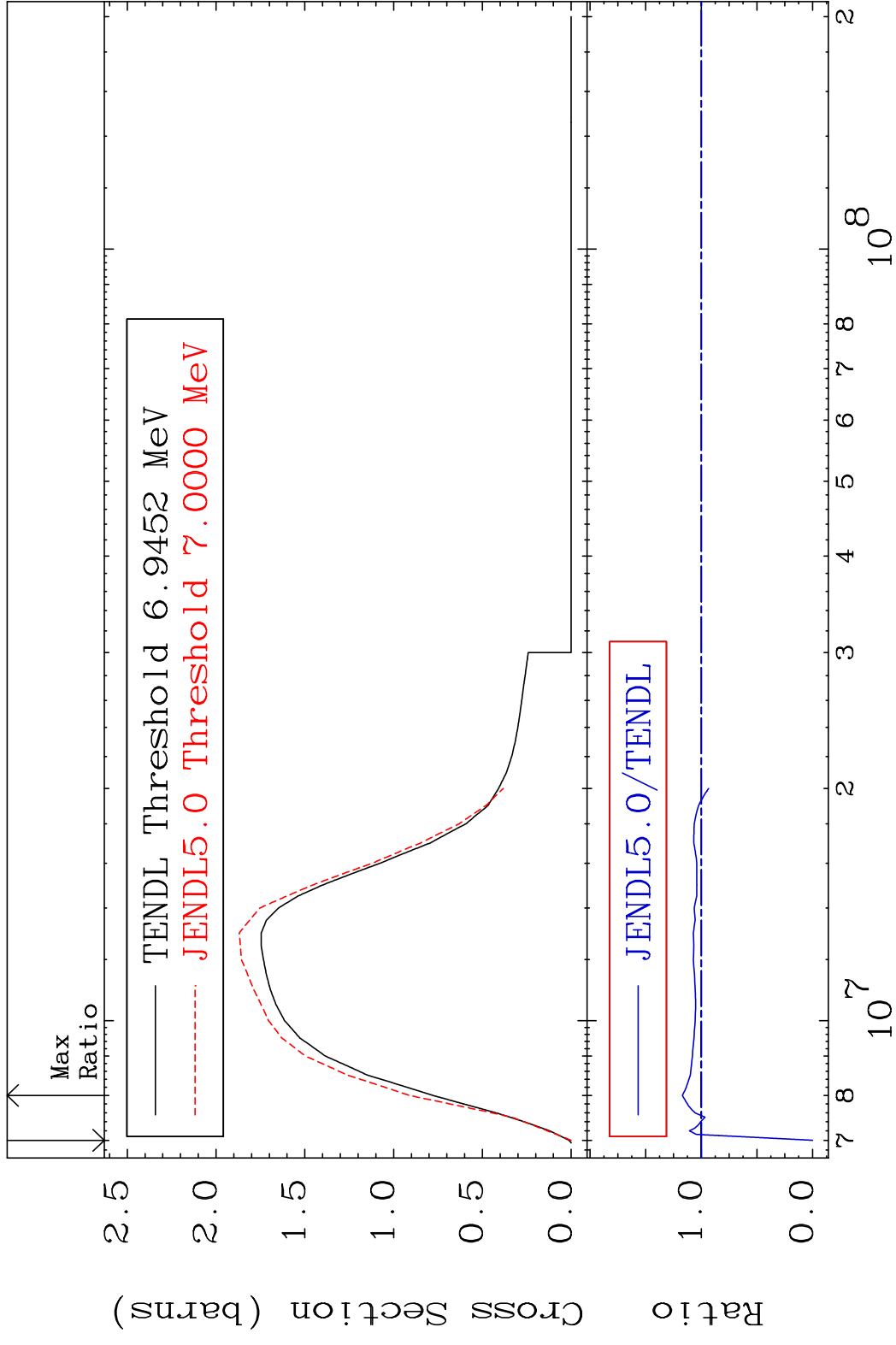
58-Ce-144

MAT 5849 Inelastic 58-Ce-144
 Cross Section -7.791 To 97.06 %



3 Incident Energy (eV) 58-Ce-144

MAT 5849 (n,2n) 58-Ce-144
 Cross Section -100.0 To 17.04 %



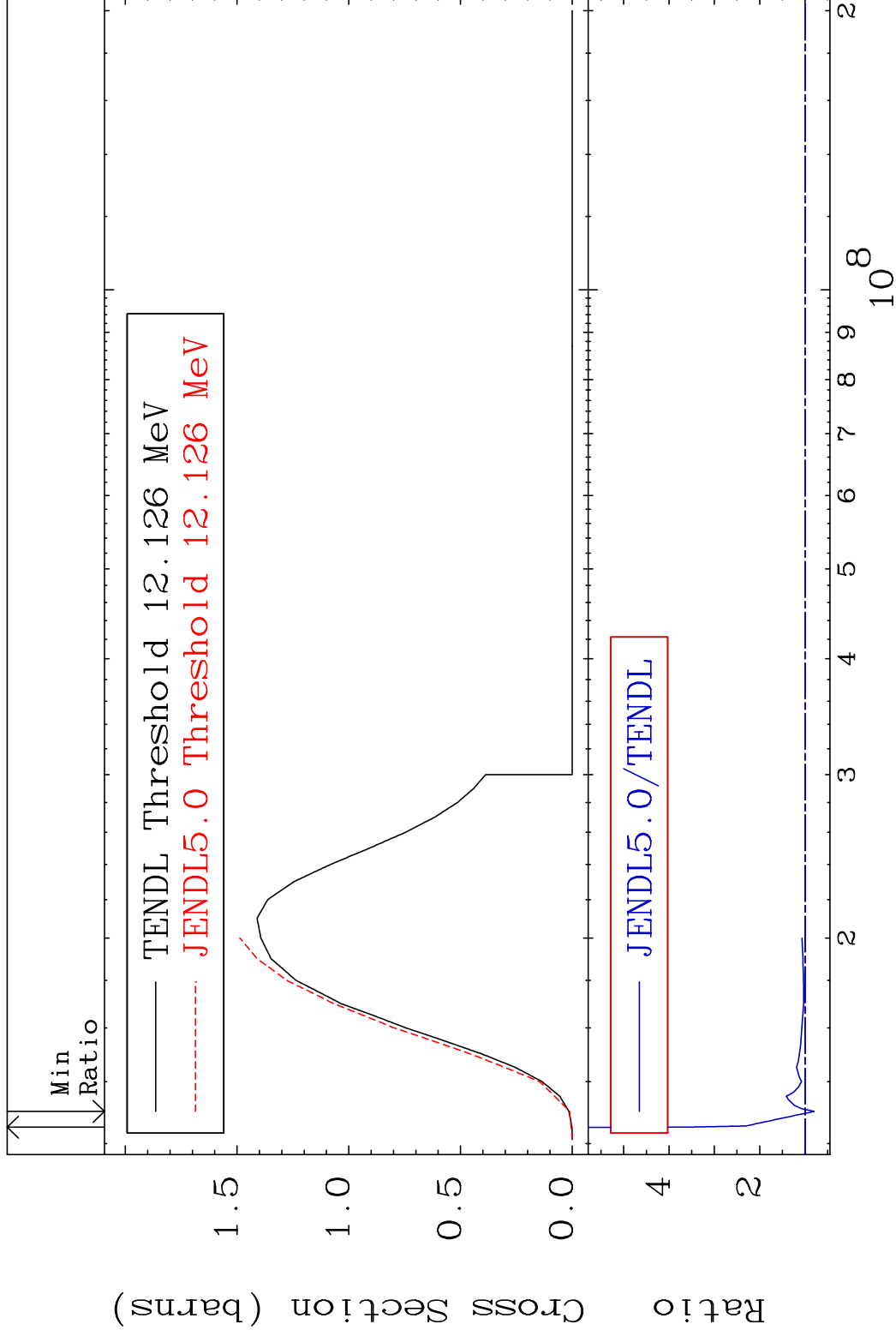
4 Incident Energy (eV) 58-Ce-144

MAT 5849

(n,3n)

58-Ce-144

Cross Section -20.01 To 267.7 %



5

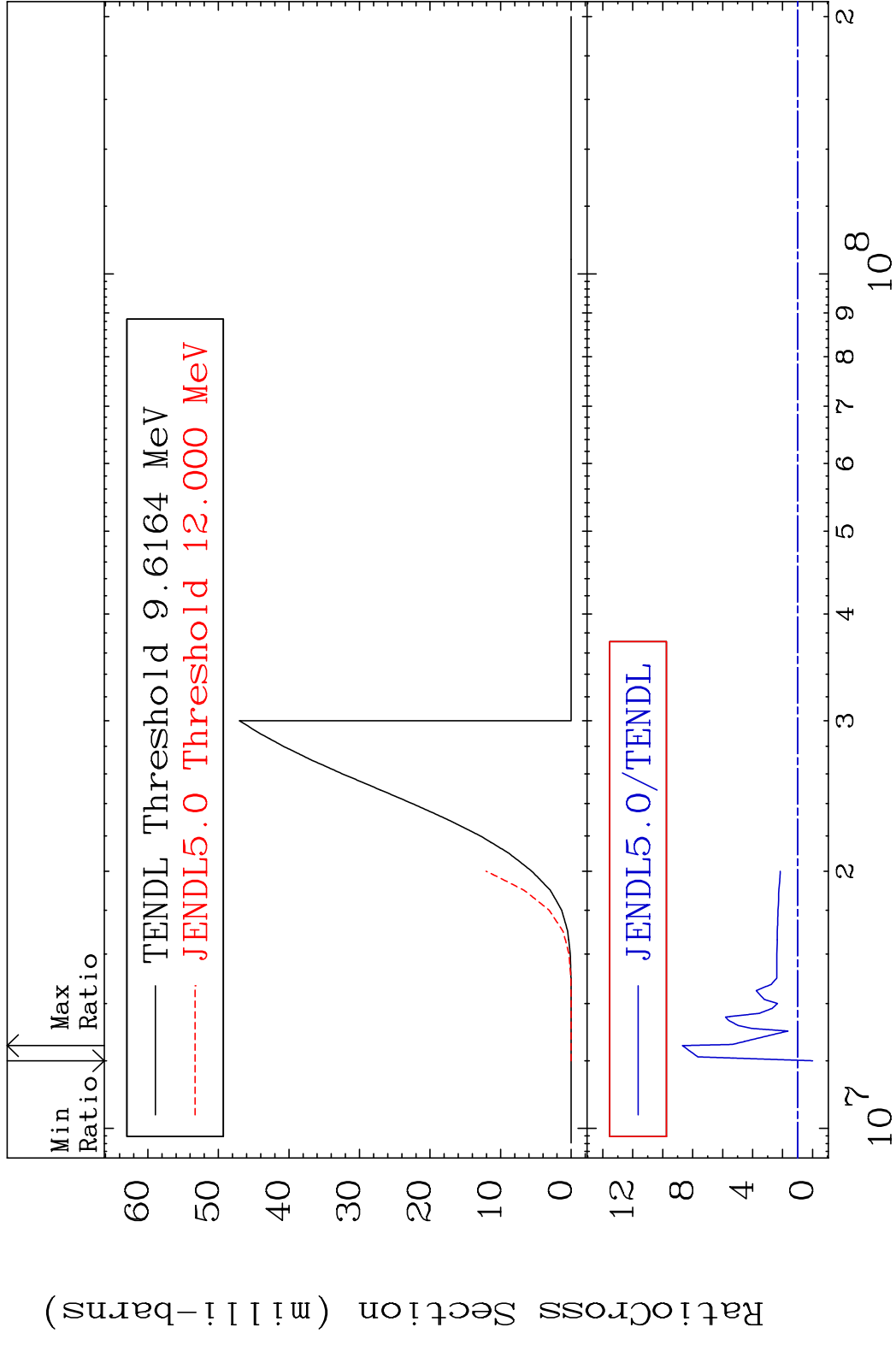
Incident Energy (eV)

58-Ce-144

MAT 5849

(n, n') p 58-Ce-144

Cross Section -100.0 To 768.9 %



7

Incident Energy (eV)

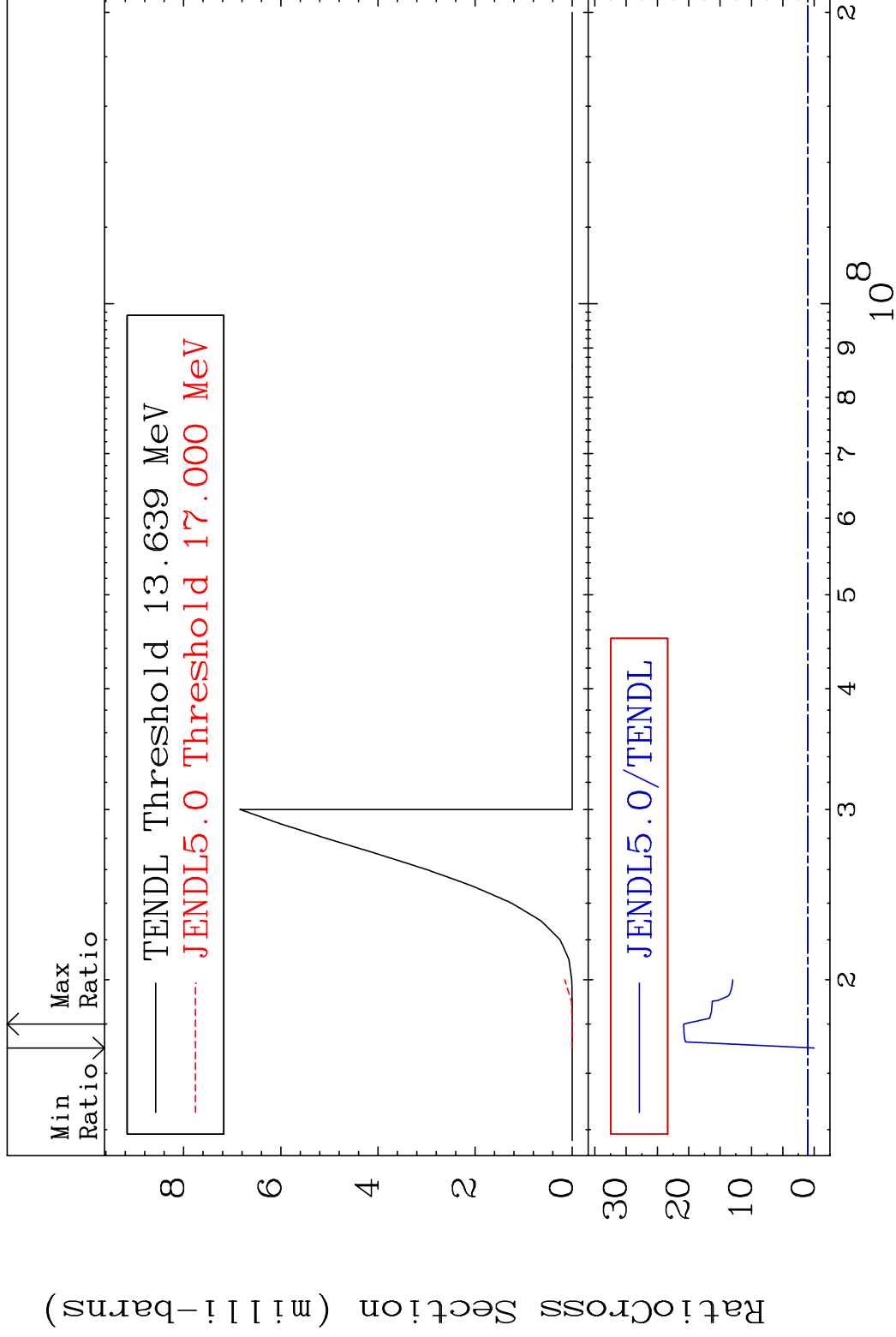
58-Ce-144

MAT 5849

(n, n') d

58-Ce-144

Cross Section -100.0 To 1982. %

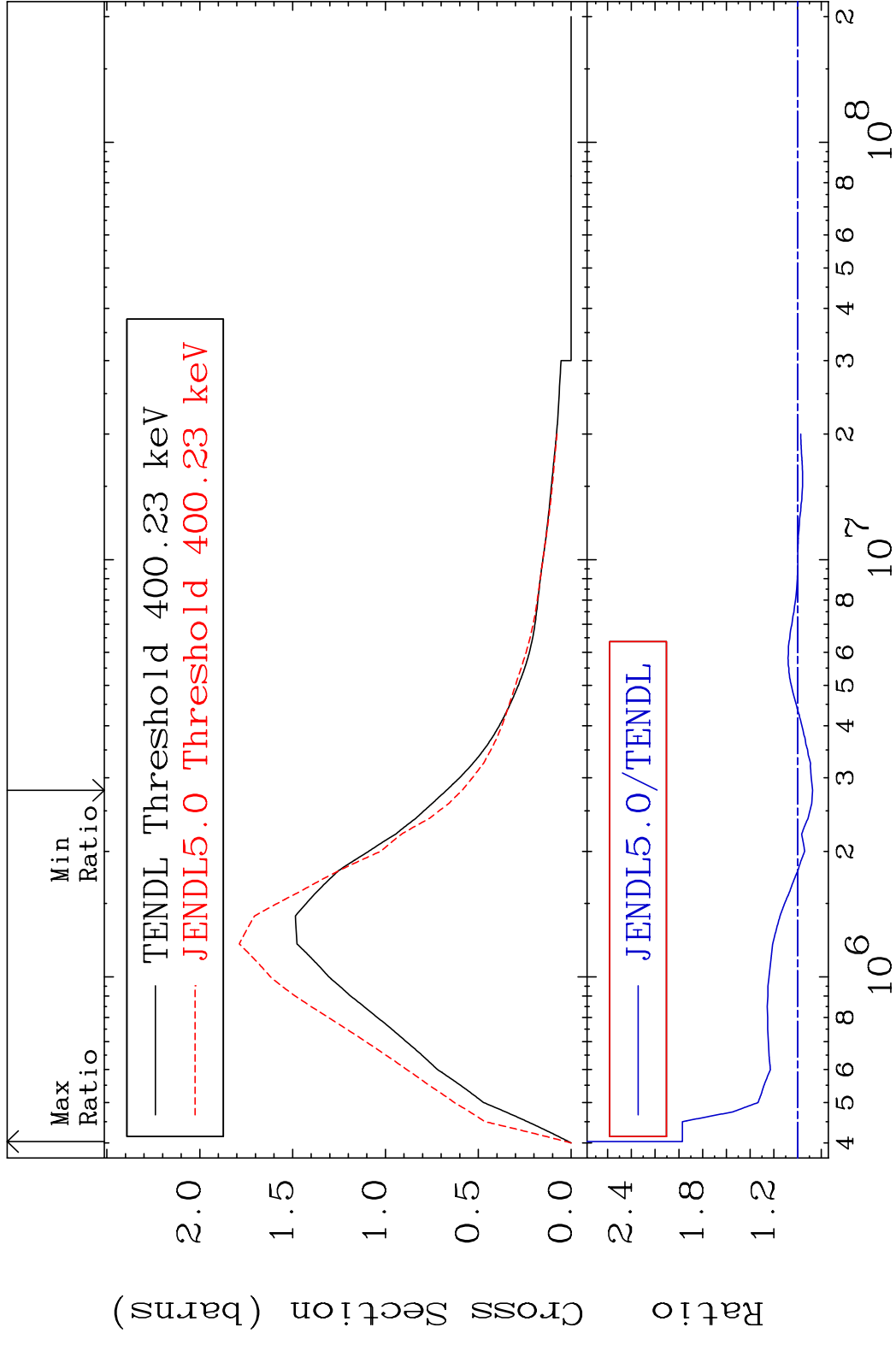


8

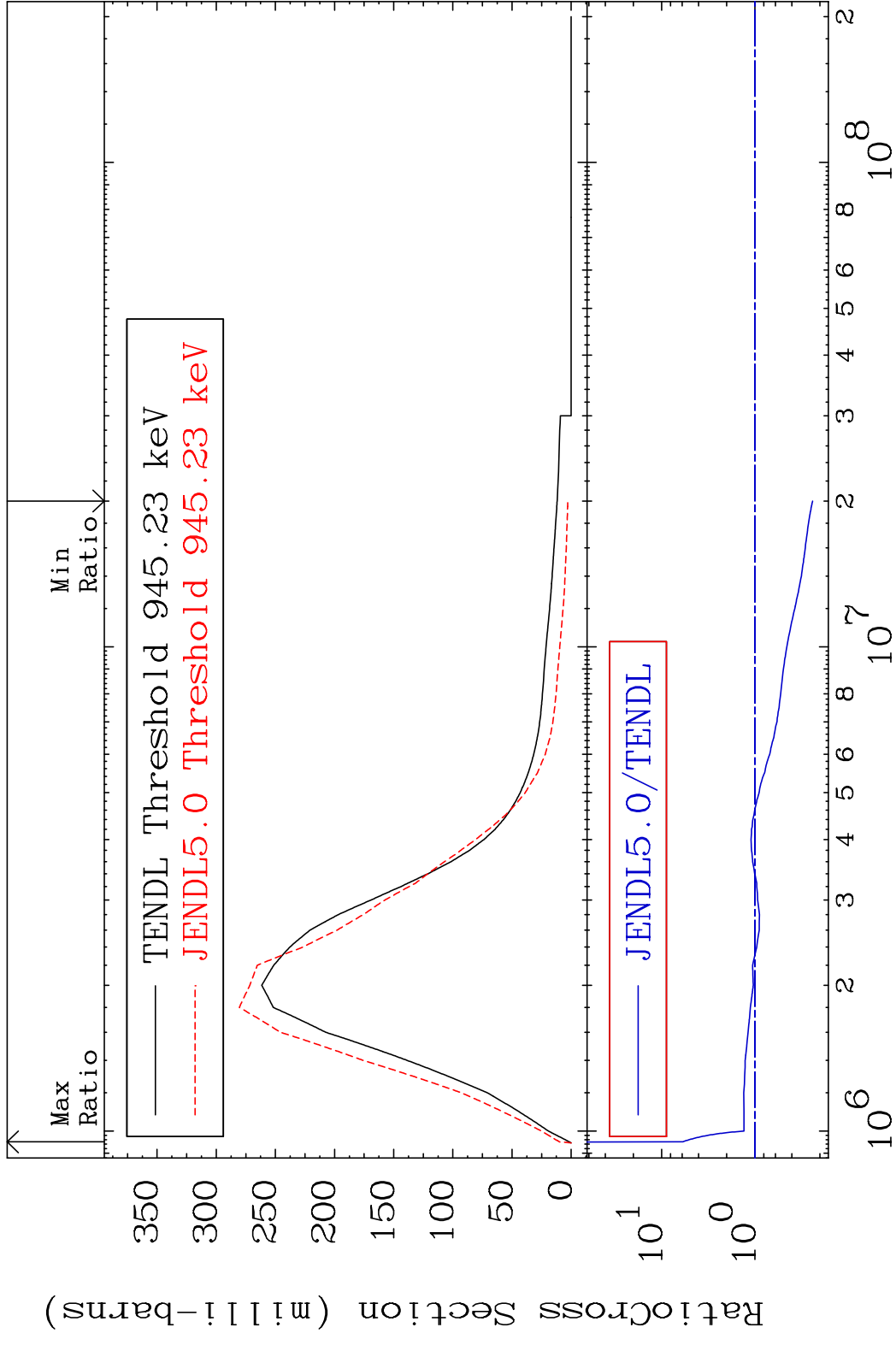
Incident Energy (eV)

58-Ce-144

MAT 5849 MT= 51 (n,n') Level 58-Ce-144
 Cross Section -12.58 To 97.06 %

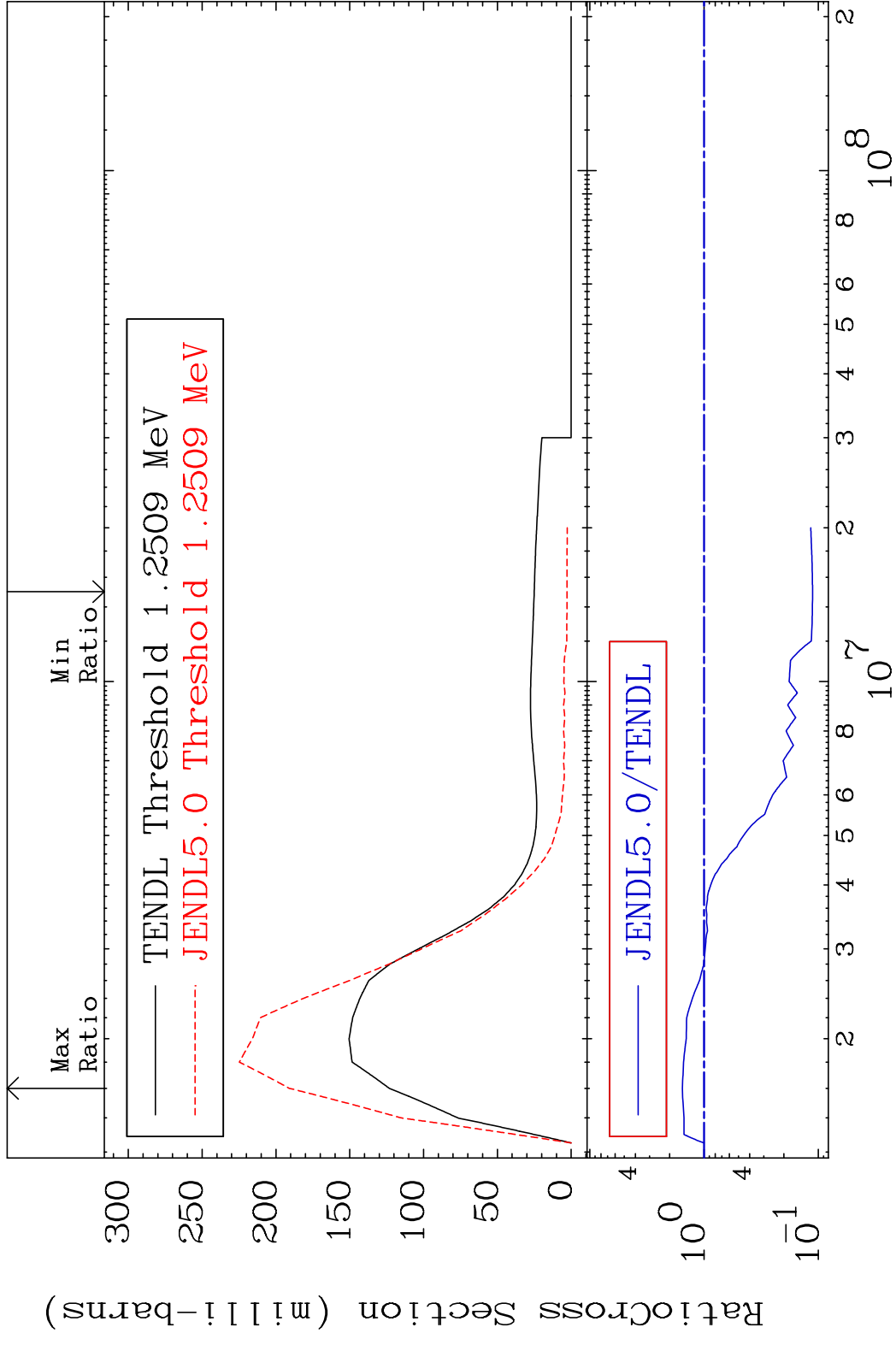


MAT 5849 MT= 52 (n, n') Level 58-Ce-144
 Cross Section -75.96 To 498.2 %

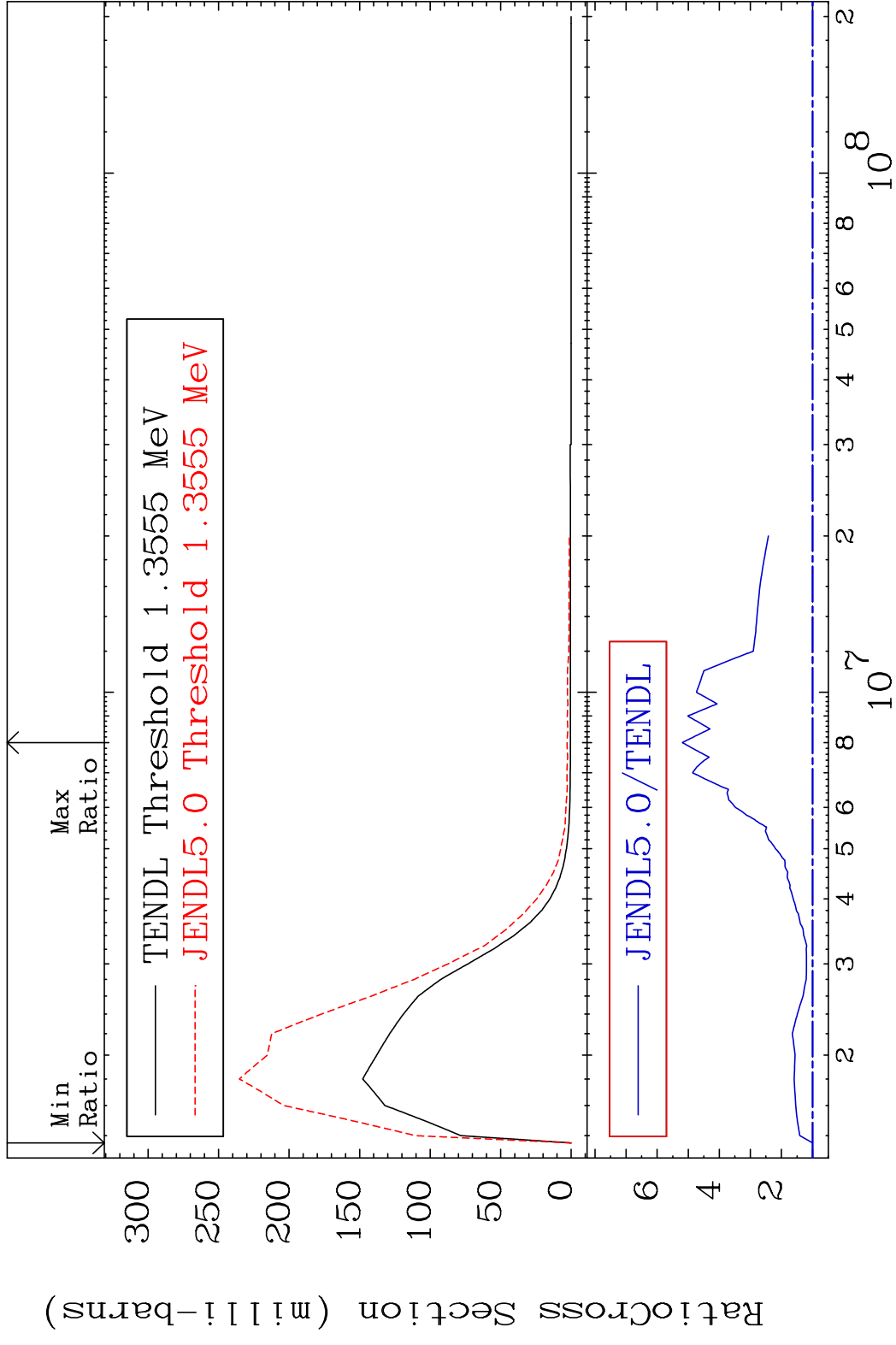


10 Incident Energy (eV) 58-Ce-144

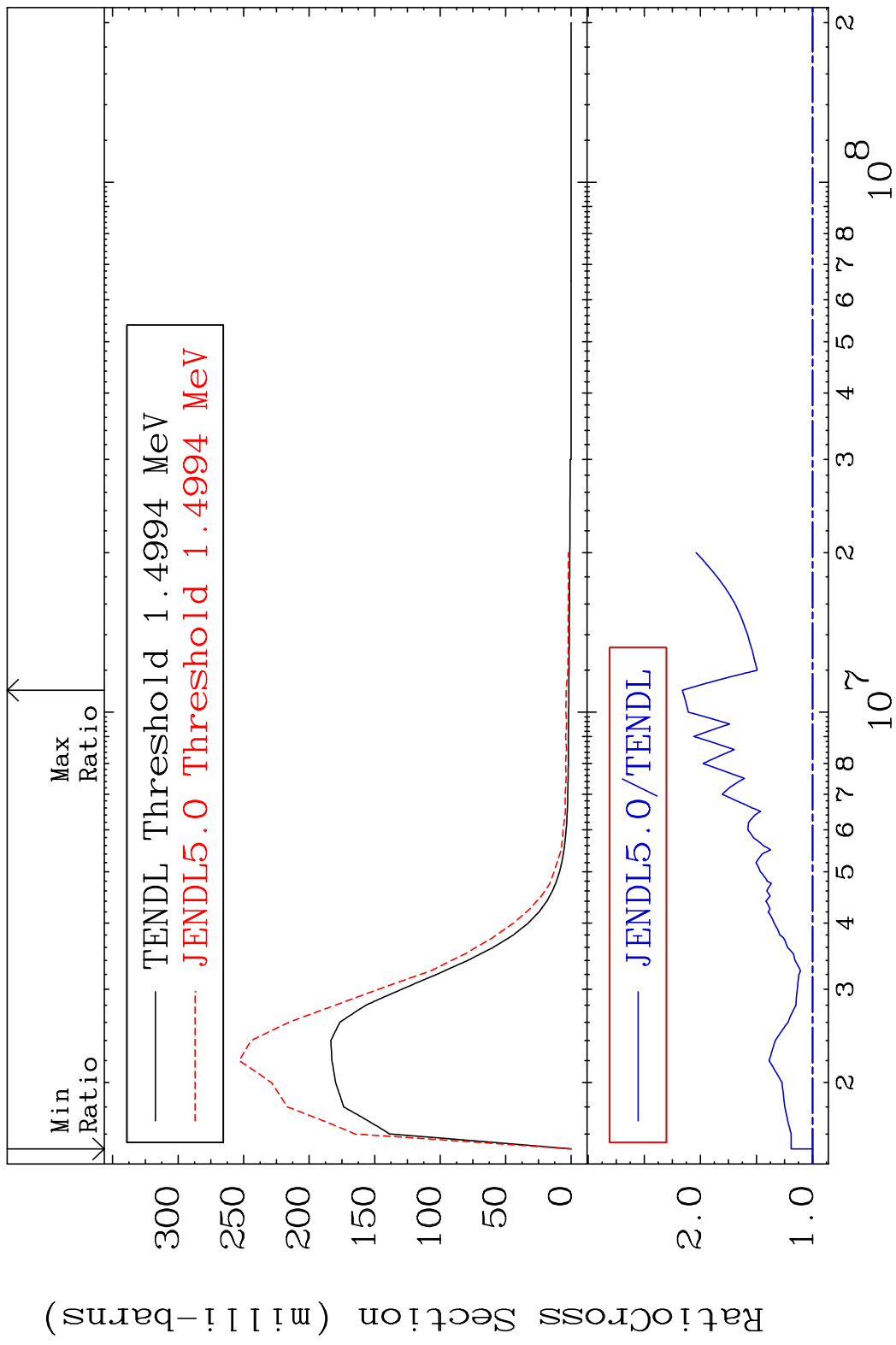
MAT 5849 MT= 53 (n, n') Level 58-Ce-144
 Cross Section -88.76 To 55.01 %



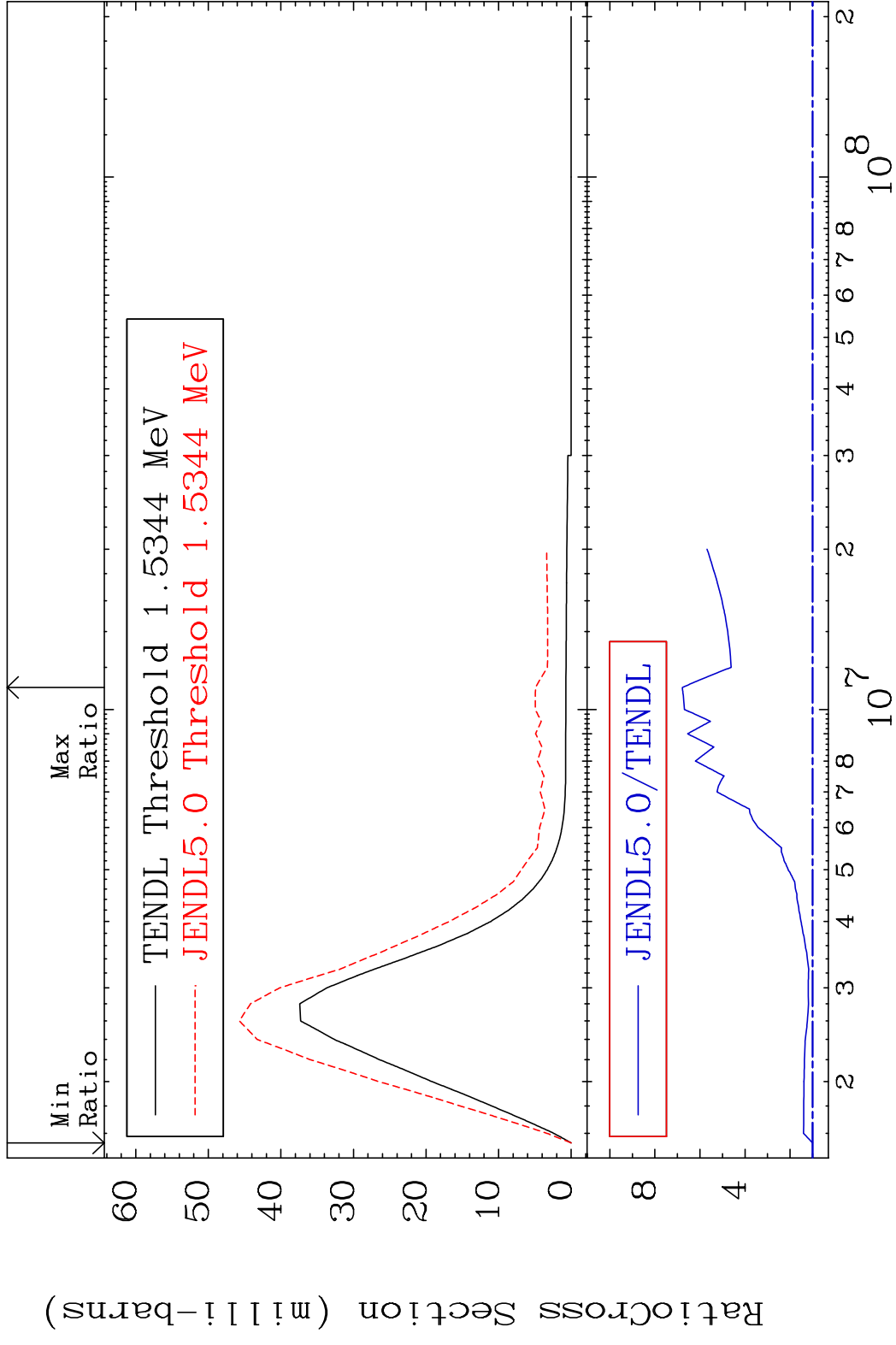
MAT 5849 MT= 54 (n, n') Level 58-Ce-144
 Cross Section 0.000 To 418.9 %



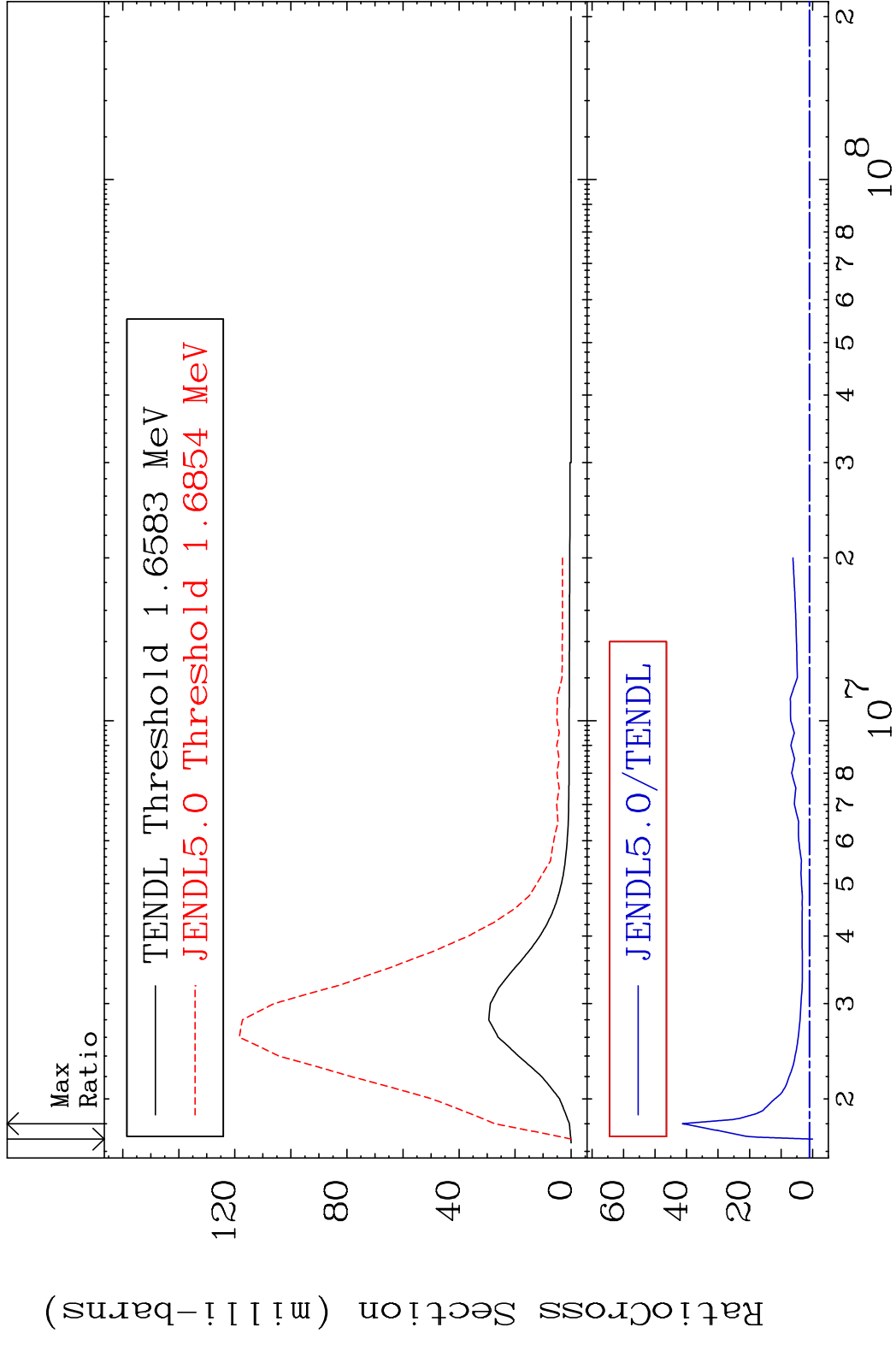
MAT 5849 MT= 55 (n,n') Level 58-Ce-144
 Cross Section 0.000 To 116.0 %



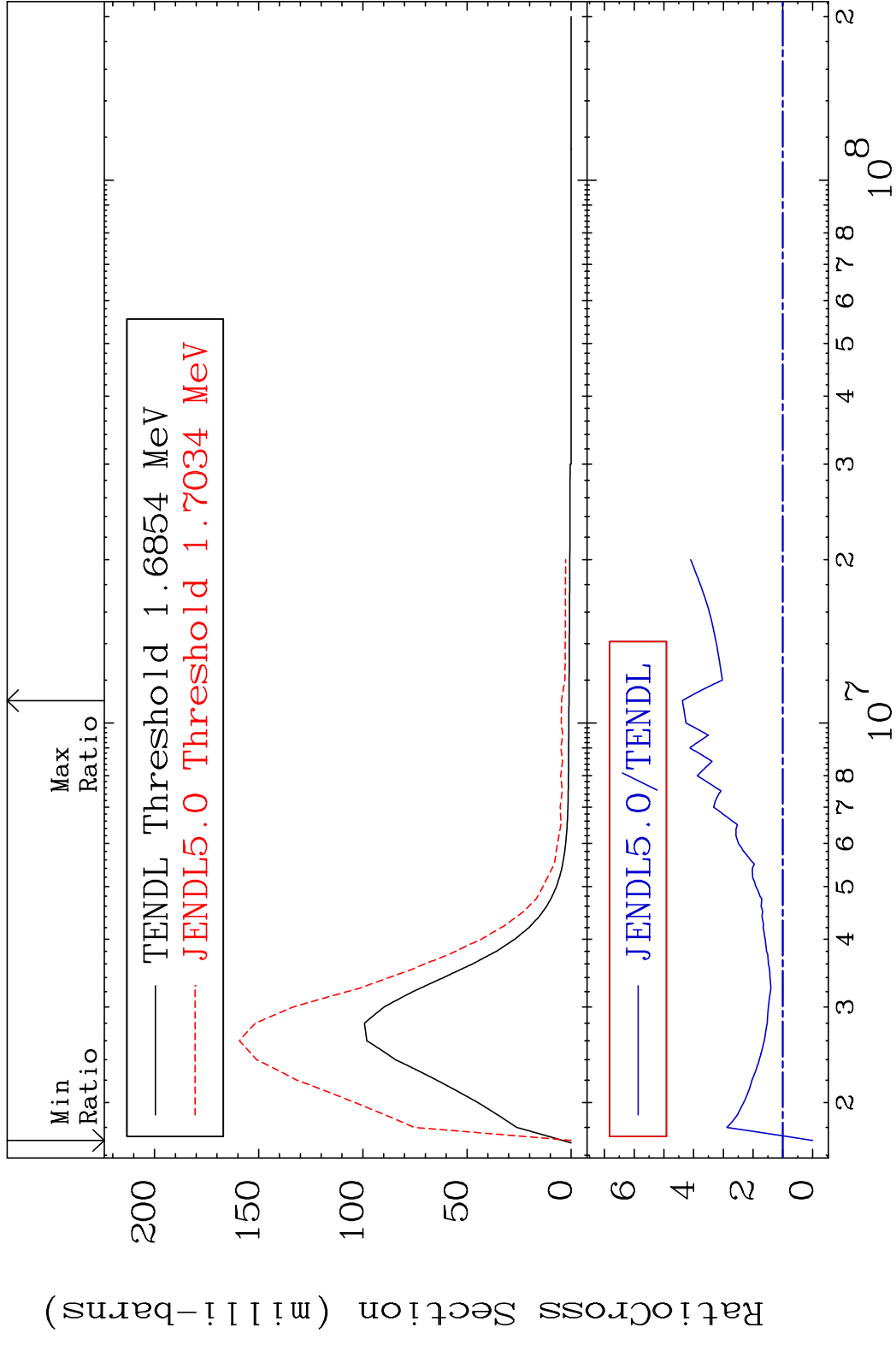
MAT 5849 MT= 56 (n,n') Level 58-Ce-144
 Cross Section 0.000 To 578.1 %



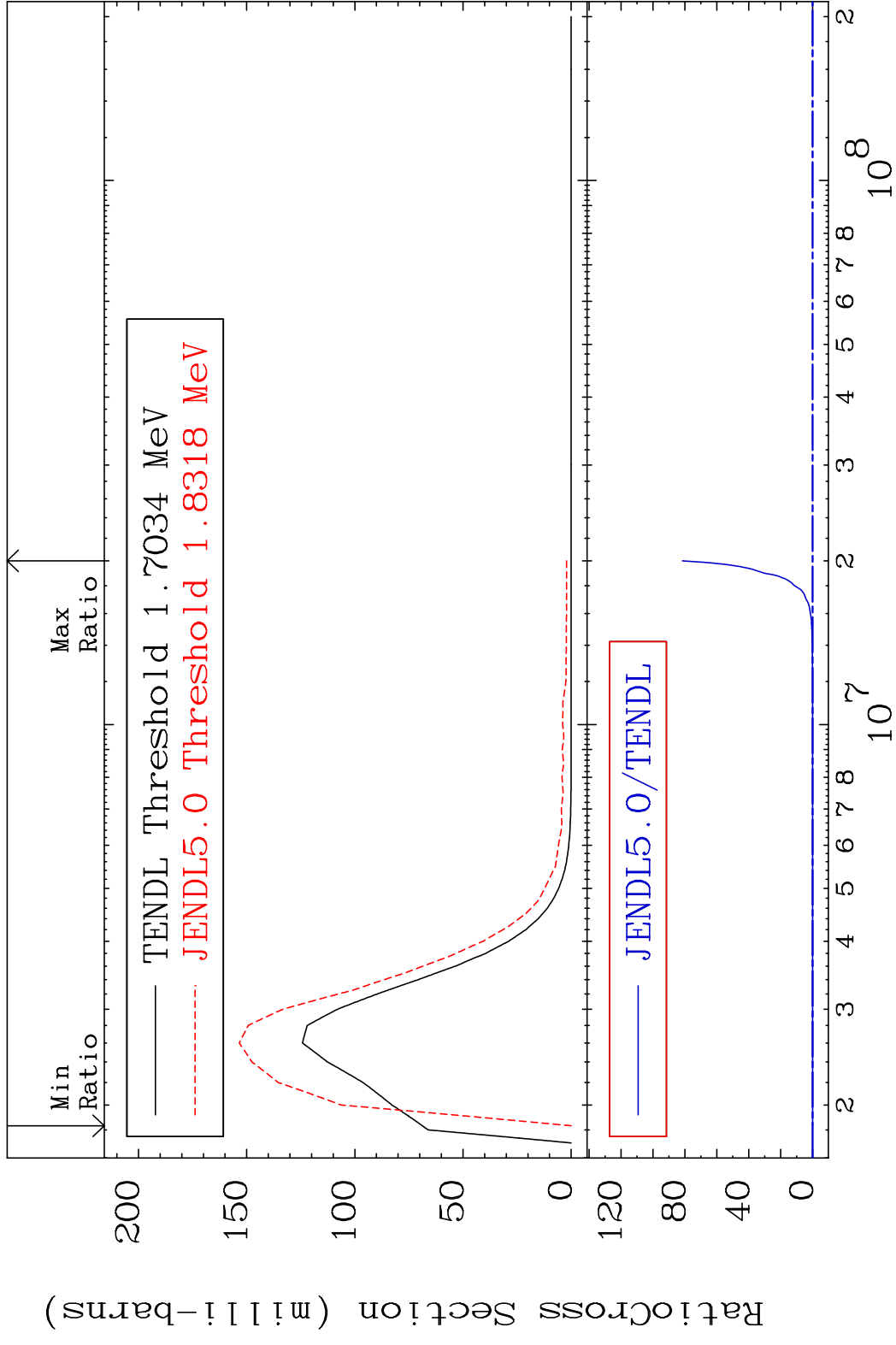
MAT 5849 MT= 57 (n,n') Level 58-Ce-144
 Cross Section -100.0 To 4034. %



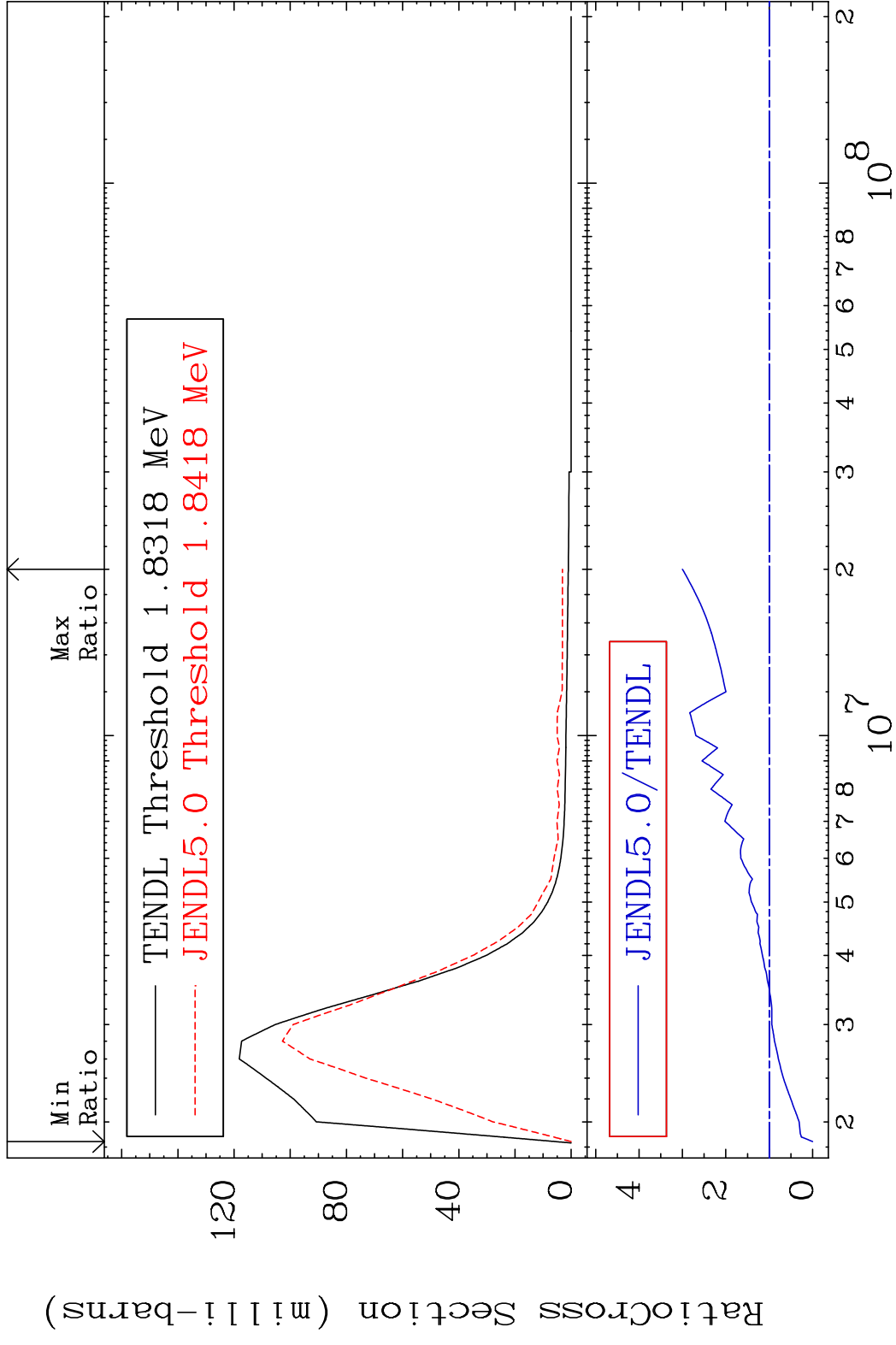
MAT 5849 MT= 58 (n, n') Level 58-Ce-144
 Cross Section -100.0 To 337.9 %



MAT 5849 MT= 59 (n, n') Level 58-Ce-144
 Cross Section -100.0 To 9999. %

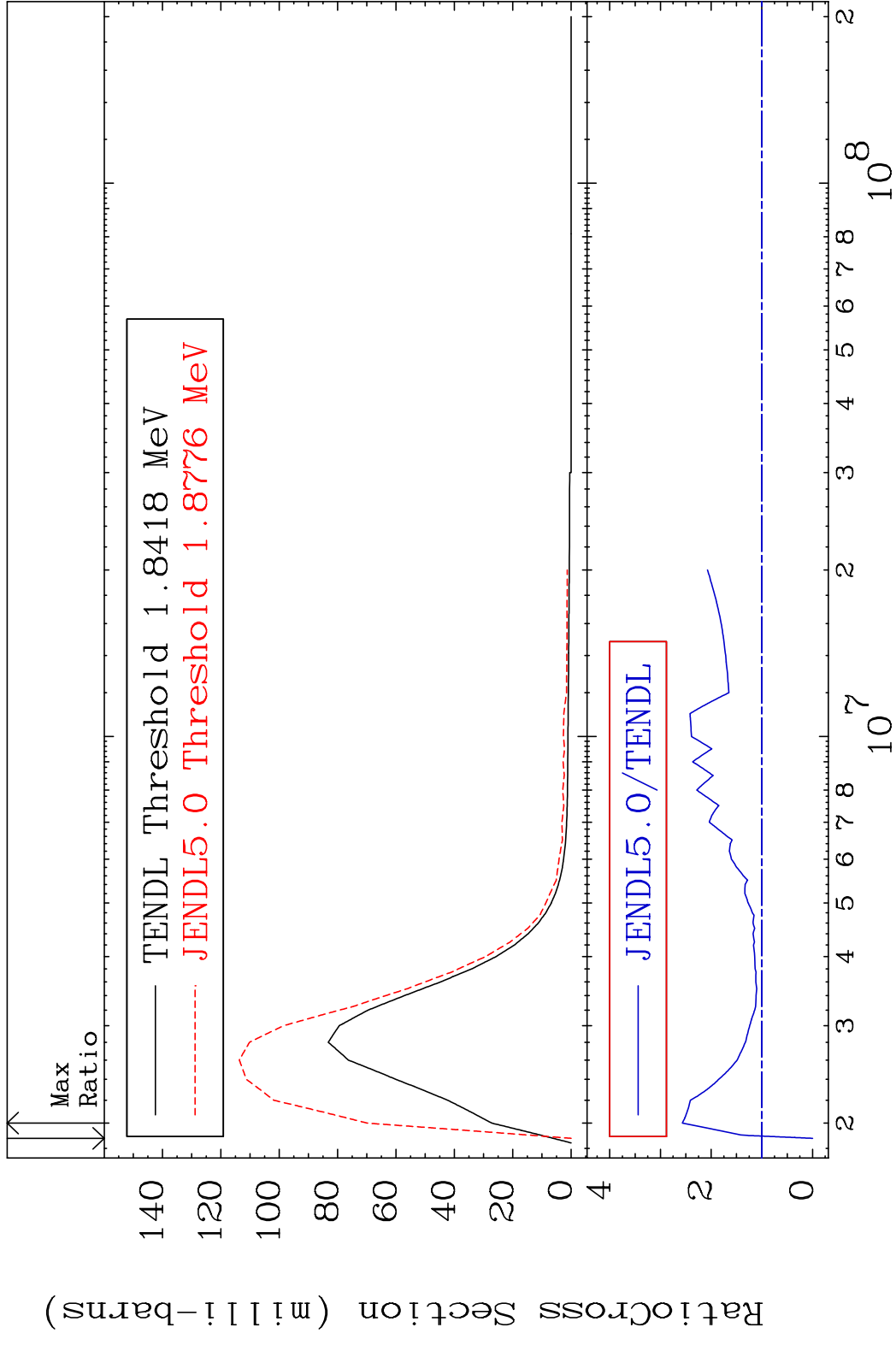


MAT 5849 MT= 60 (n, n') Level 58-Ce-144
 Cross Section -100.0 To 200.2 %

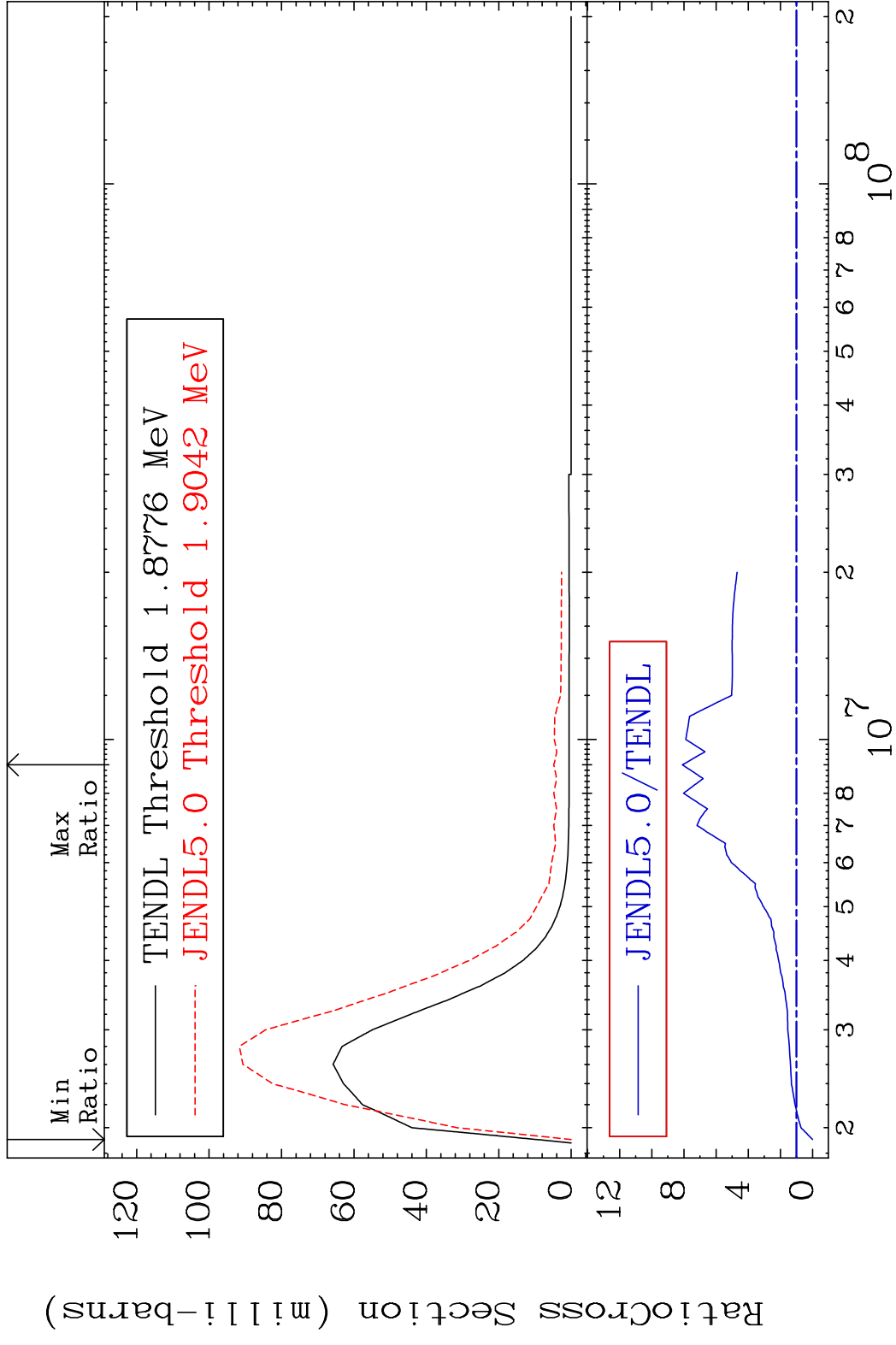


18 18 Incident Energy (eV) 58-Ce-144

MAT 5849 MT= 61 (n, n') Level 58-Ce-144
 Cross Section -100.0 To 156.8 %

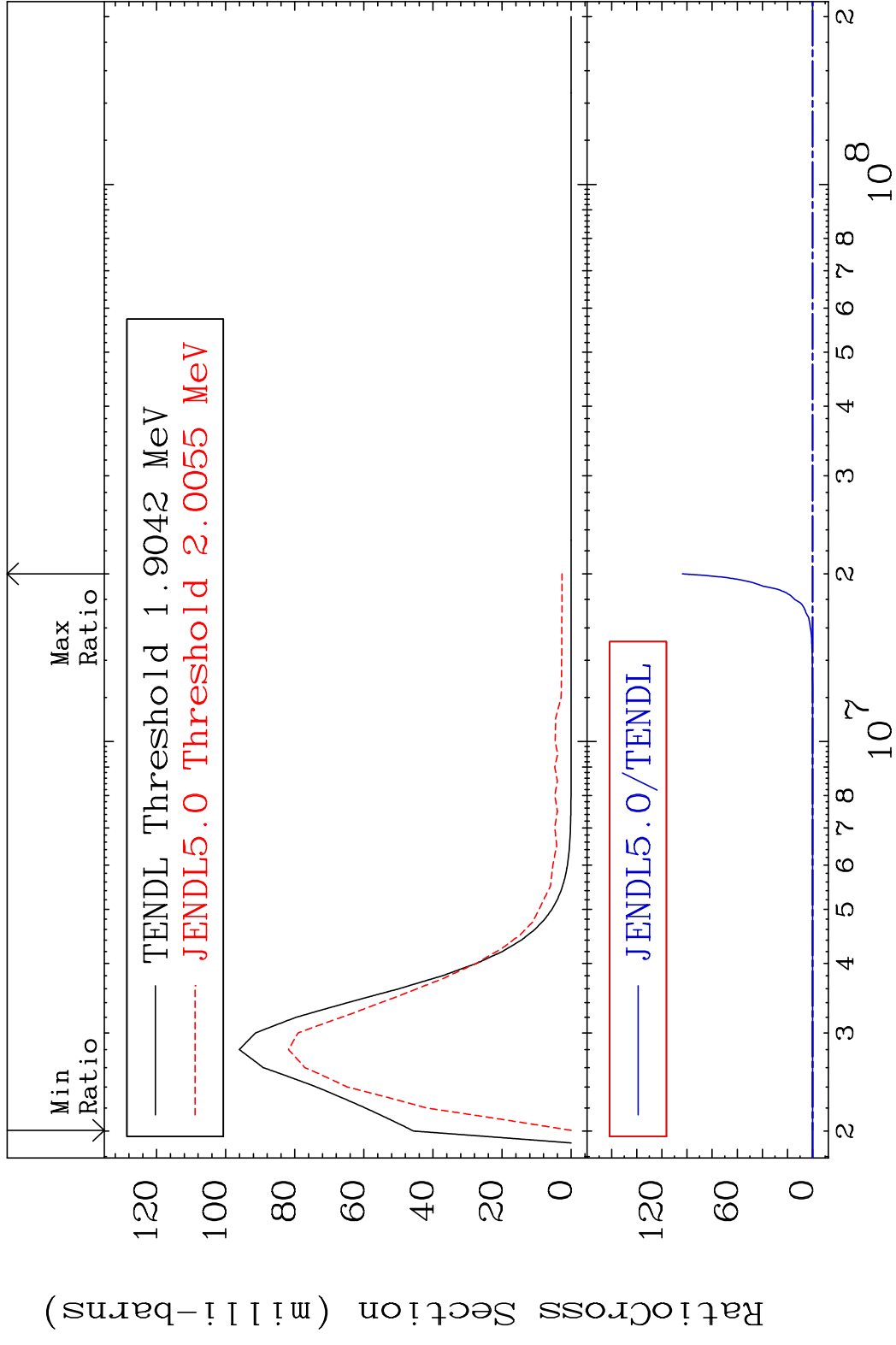


MAT 5849 MT= 62 (n, n') Level 58-Ce-144
 Cross Section -100.0 To 710.0 %

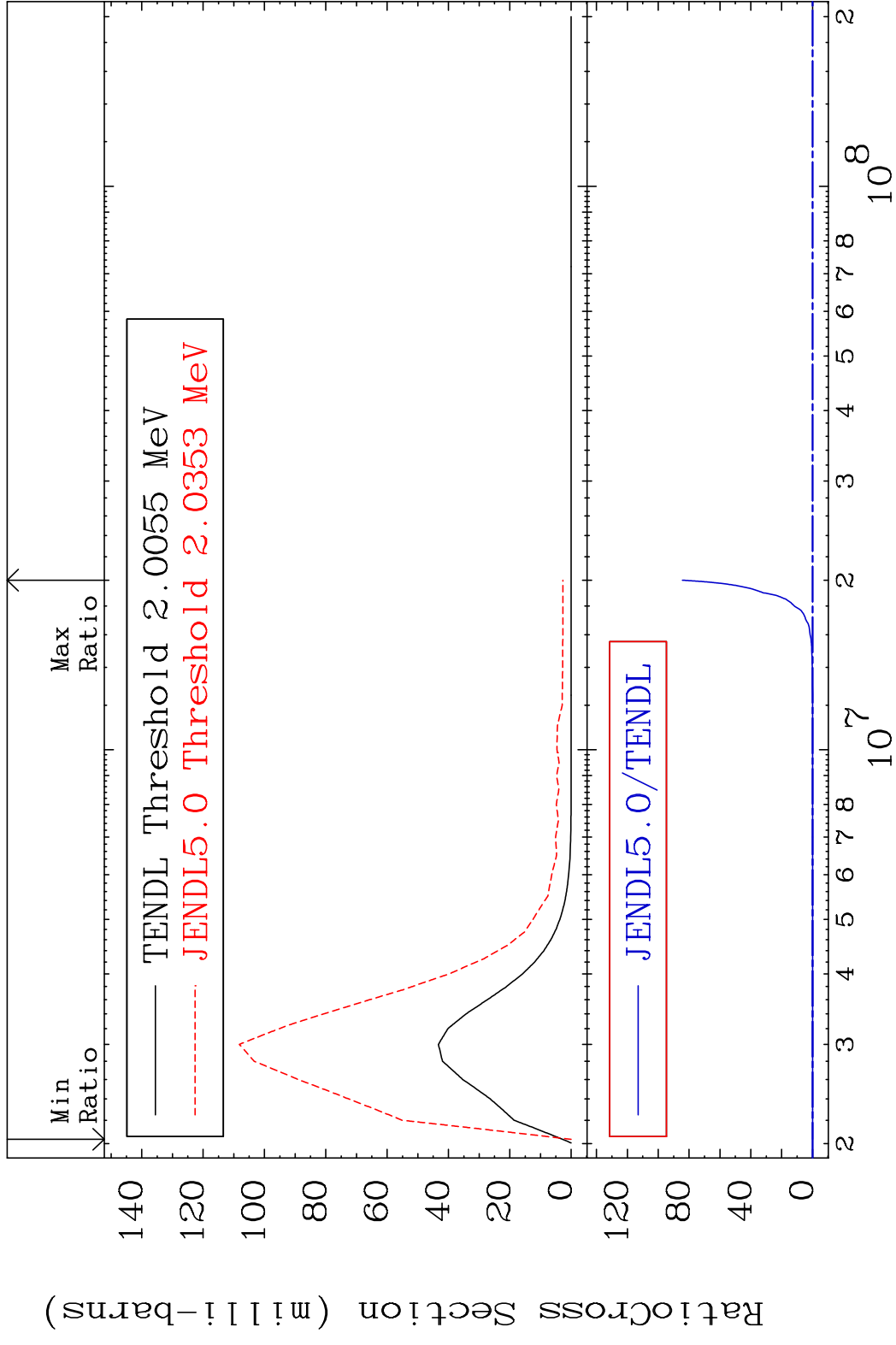


20 20 Incident Energy (eV) 58-Ce-144

MAT 5849 MT= 63 (n, n') Level 58-Ce-144
 Cross Section -100.0 To 9999. %



MAT 5849 MT= 64 (n, n') Level 58-Ce-144
 Cross Section -100.0 To 9999. %

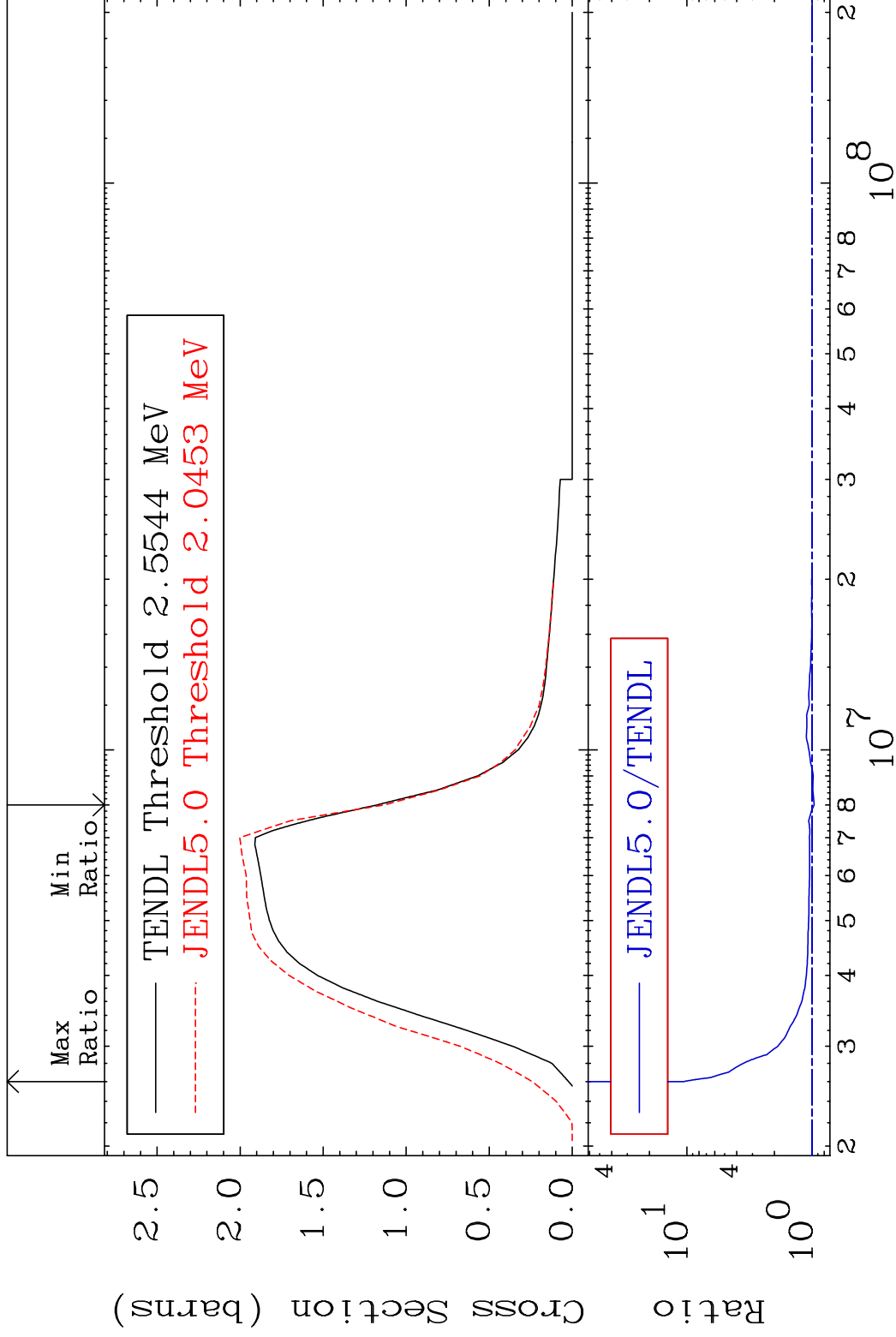


MAT 5849

(n,n') Continuum

58-Ce-144

Cross Section -3.728 To 963.1 %



23

Incident Energy (eV)

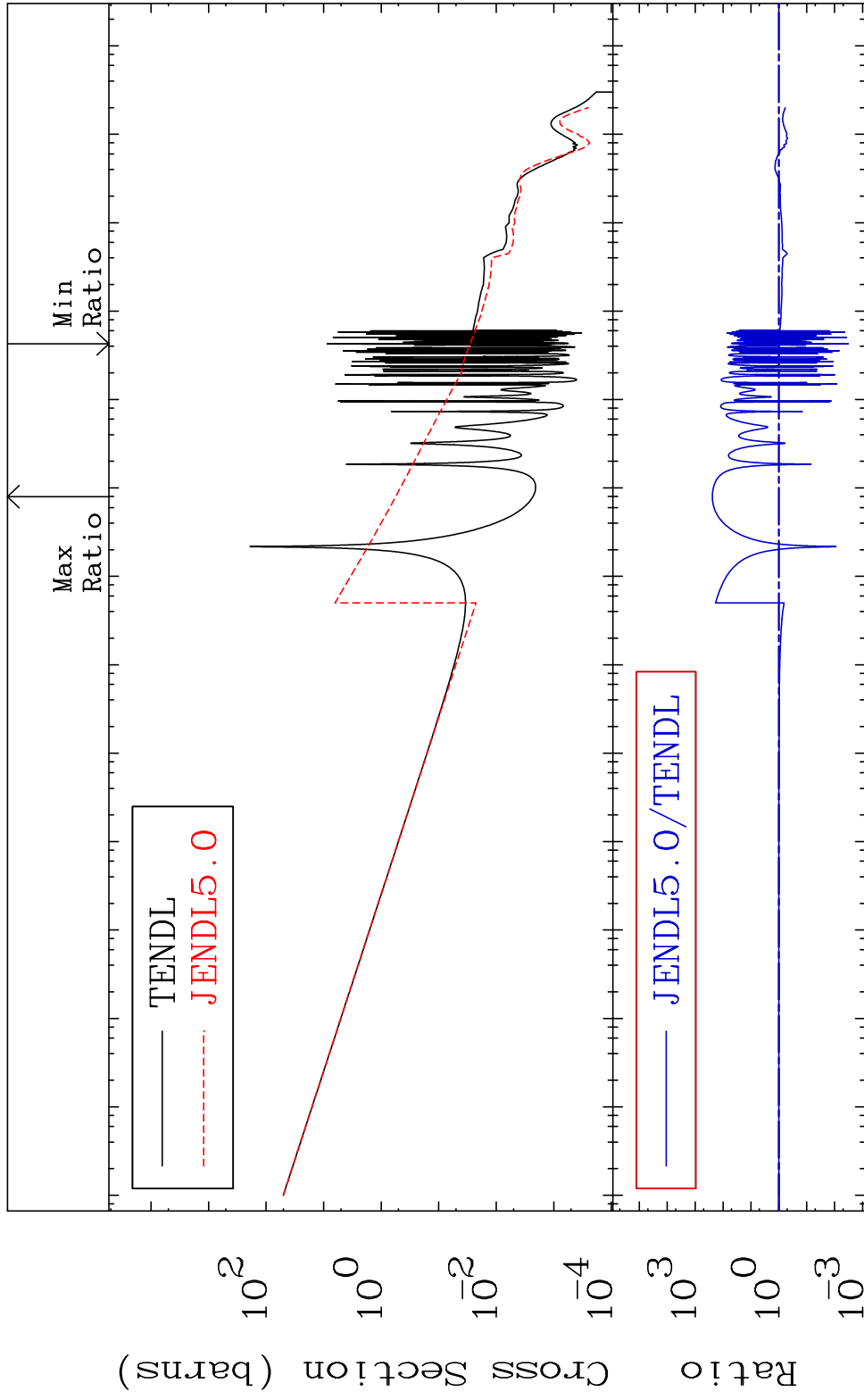
58-Ce-144

MAT 5849

(n, γ)

58-Ce-144

Cross Section -99.68 To 9999. %



24

Incident Energy (eV)

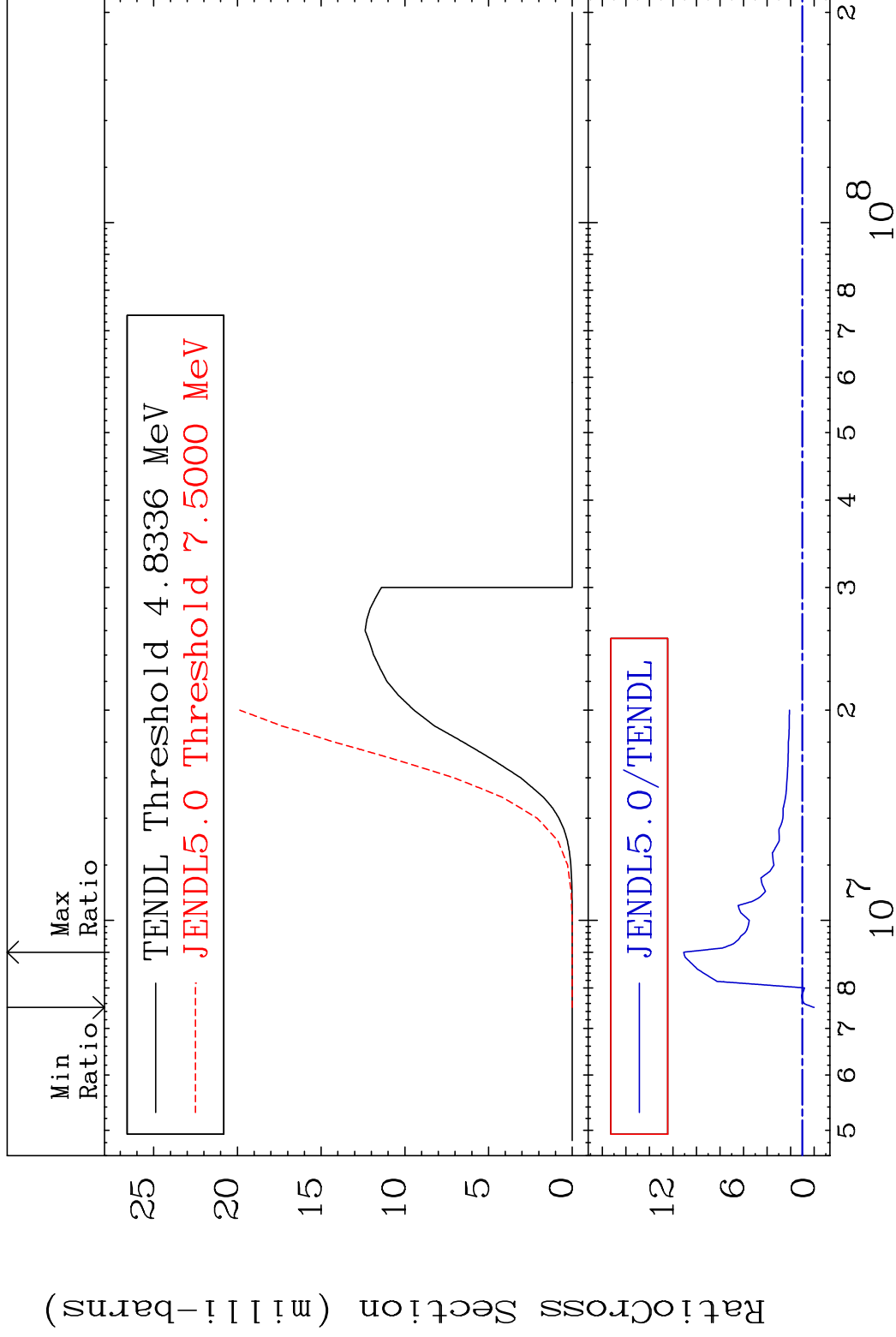
58-Ce-144

MAT 5849

(n,p)

58-Ce-144

Cross Section -100.0 To 1009. %



25

Incident Energy (eV)

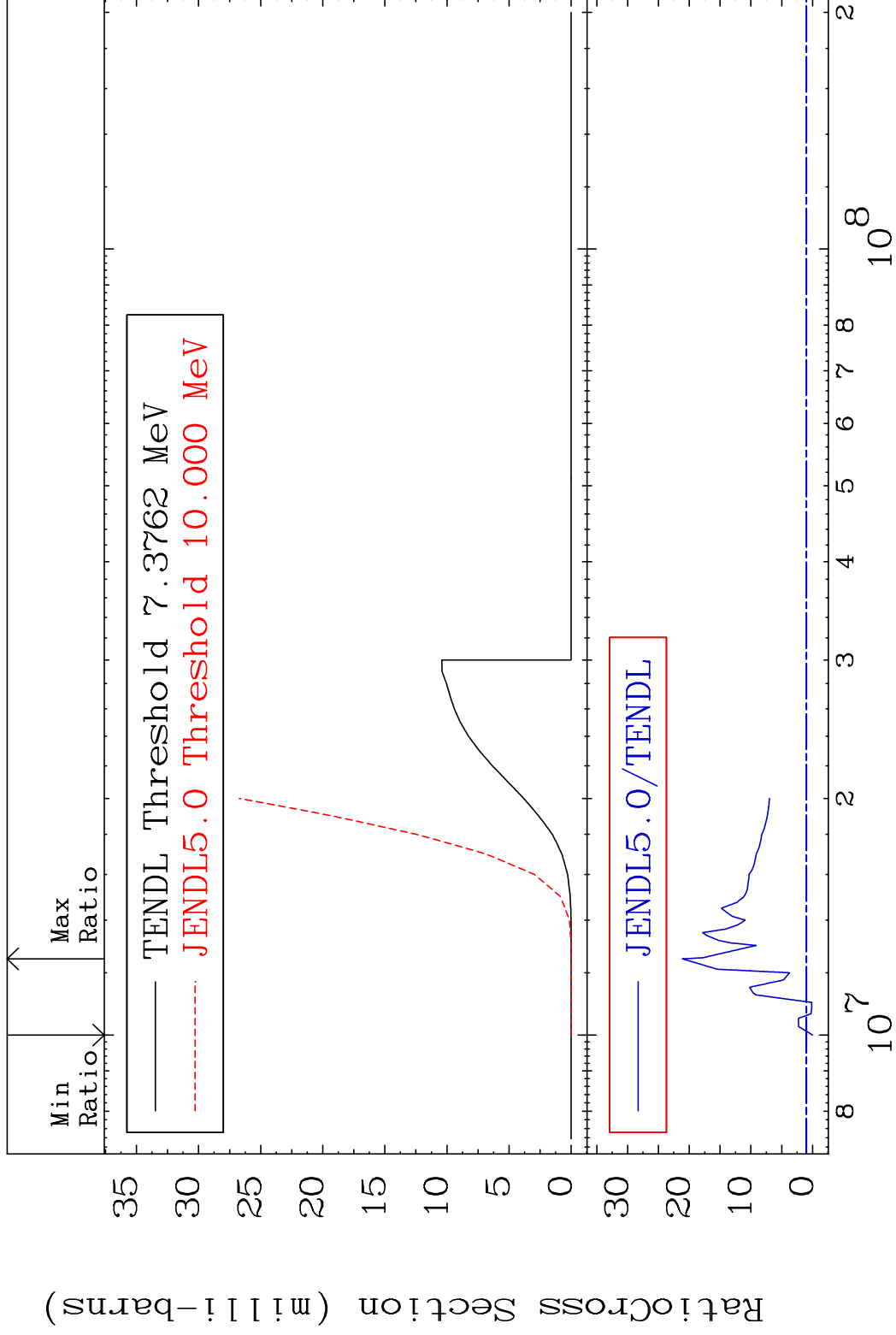
58-Ce-144

MAT 5849

(n,d)

58-Ce-144

Cross Section -100.0 To 2012. %



26

Incident Energy (eV)

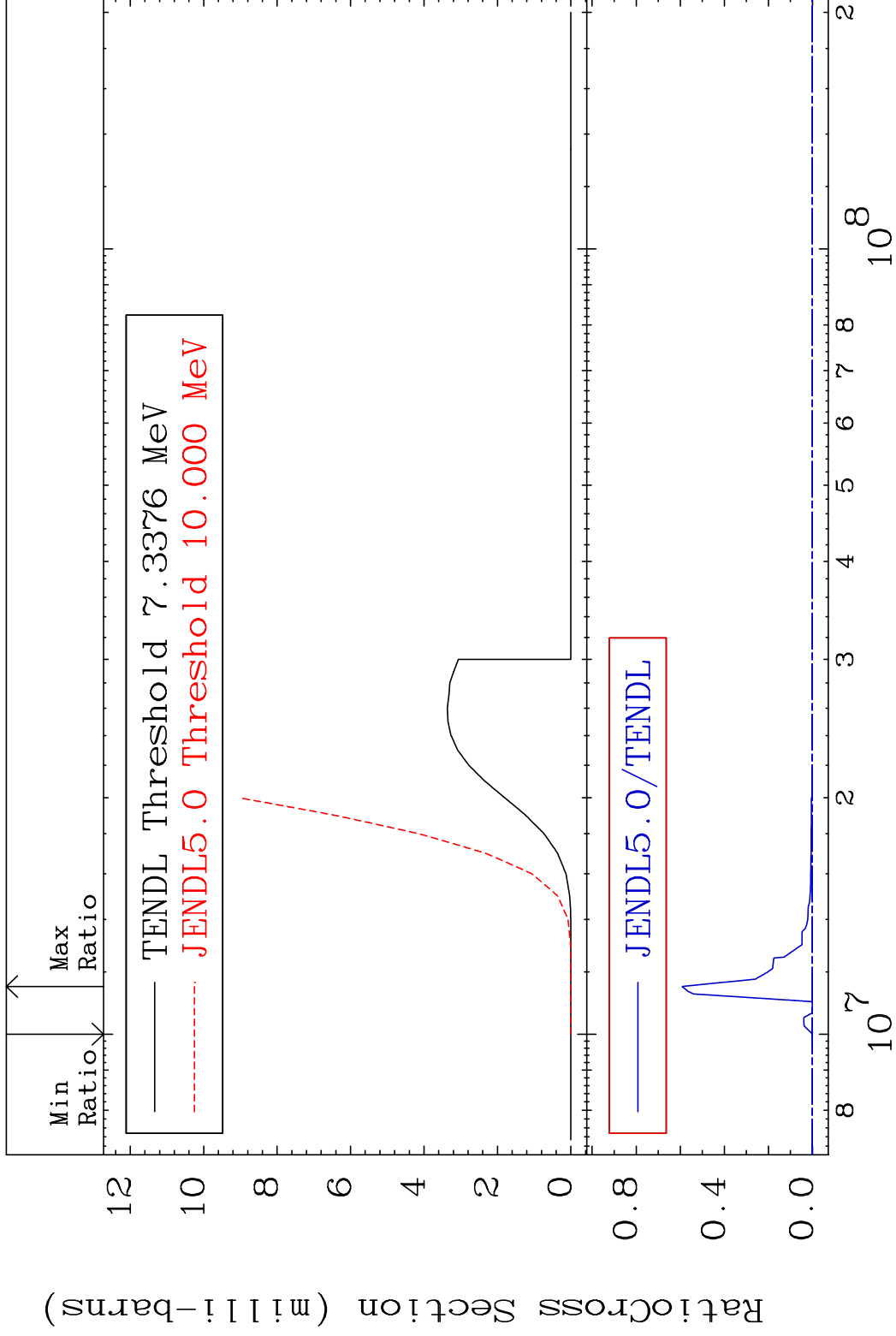
58-Ce-144

MAT 5849

(n, t)

58-Ce-144

Cross Section -100.0 To 9999. %



27

Incident Energy (eV)

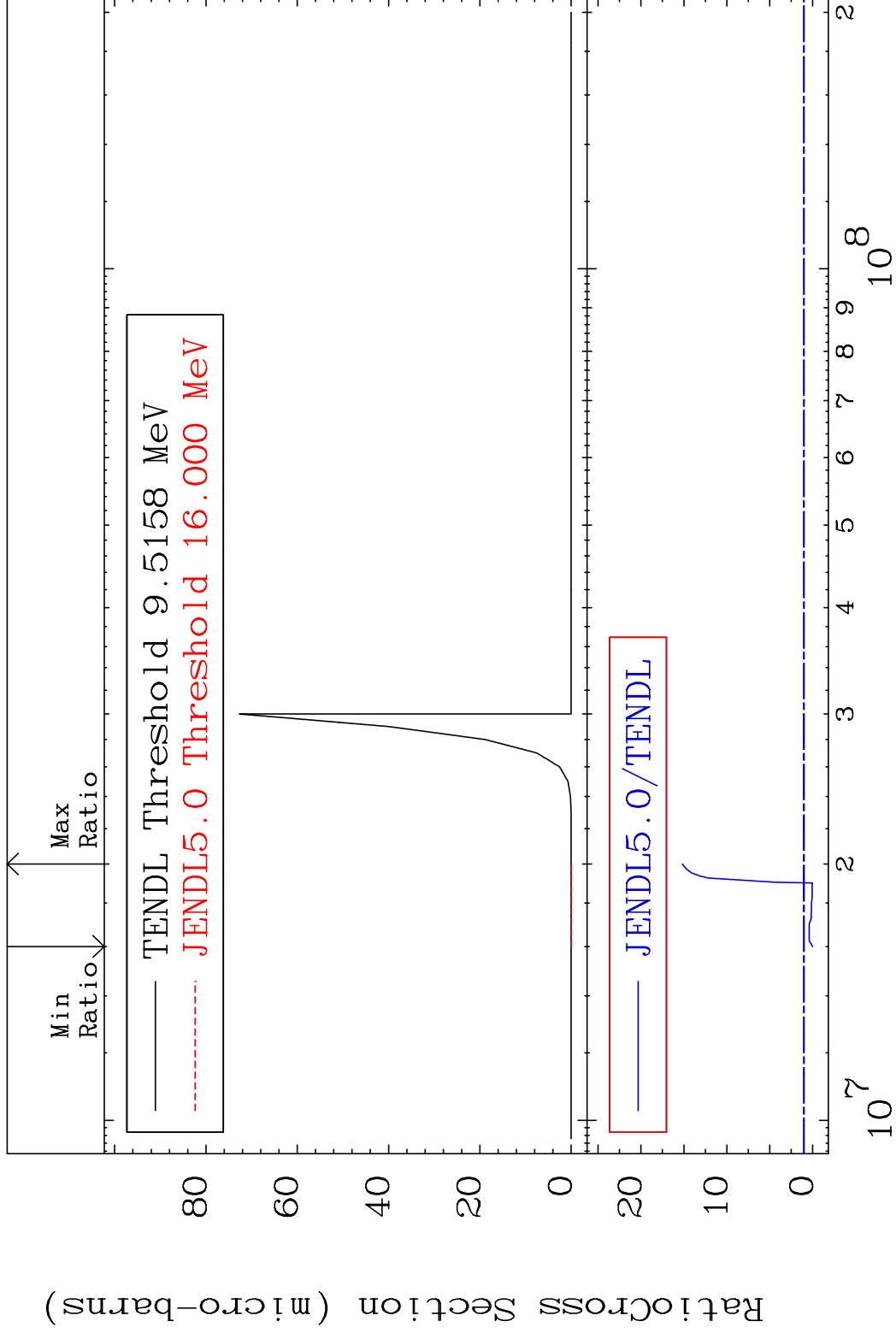
58-Ce-144

MAT 5849

(n, He-3)

58-Ce-144

Cross Section -100.0 To 1418. %



28

Incident Energy (eV)

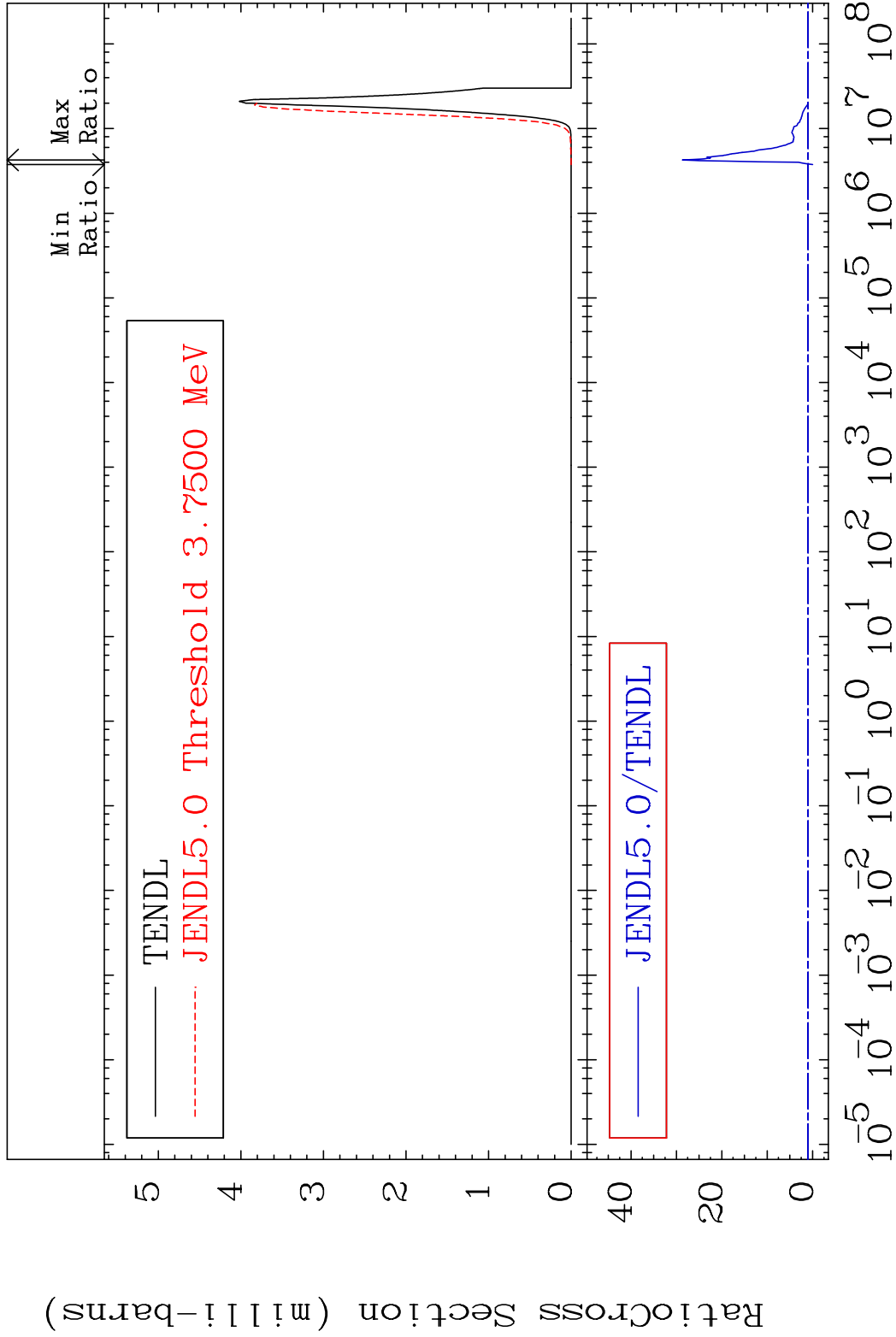
58-Ce-144

MAT 5849

(n, α)

58-Ce-144

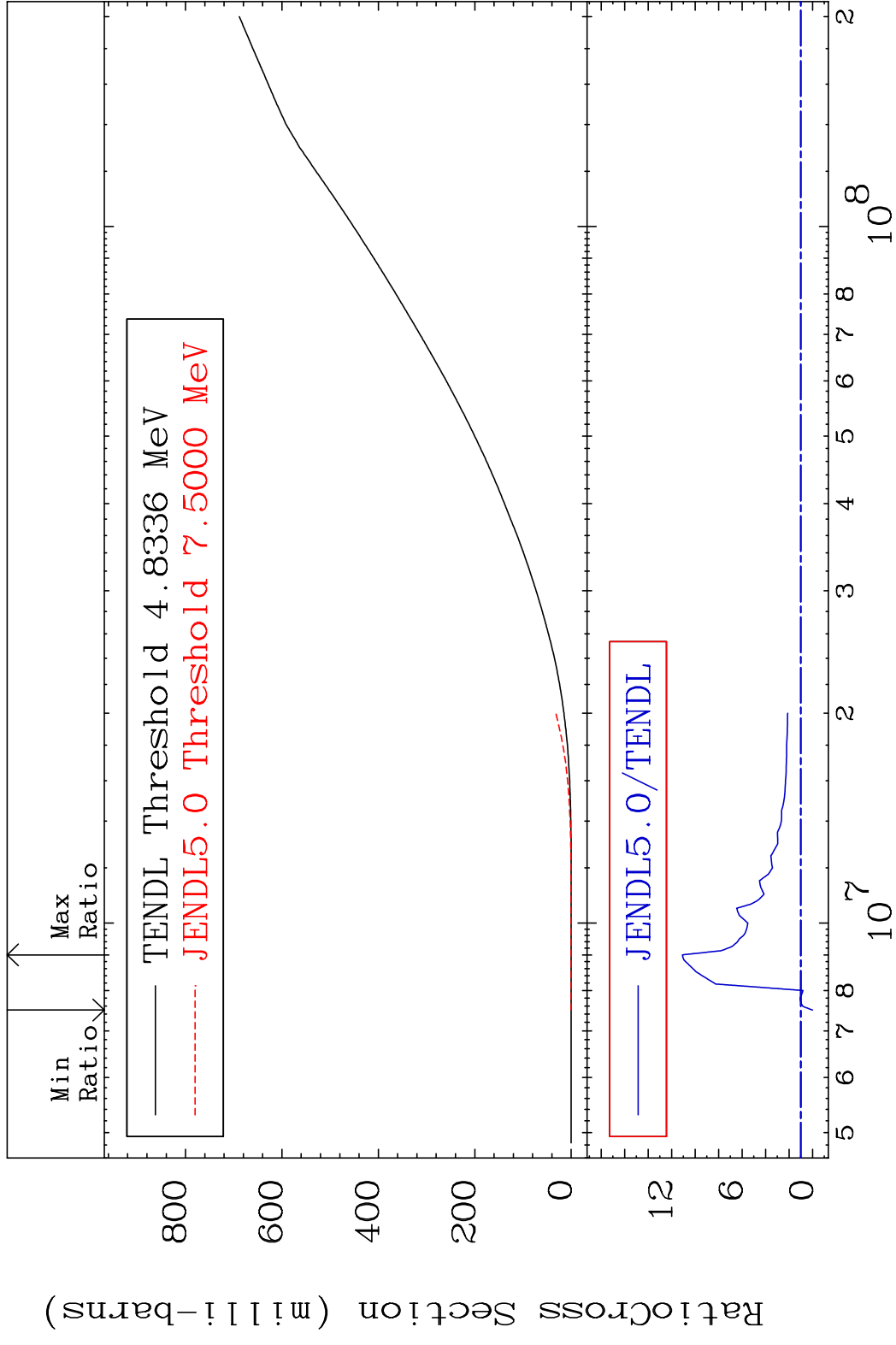
Cross Section -100.0 To 2768. %



MAT 5849

Hydrogen Production 58-Ce-144

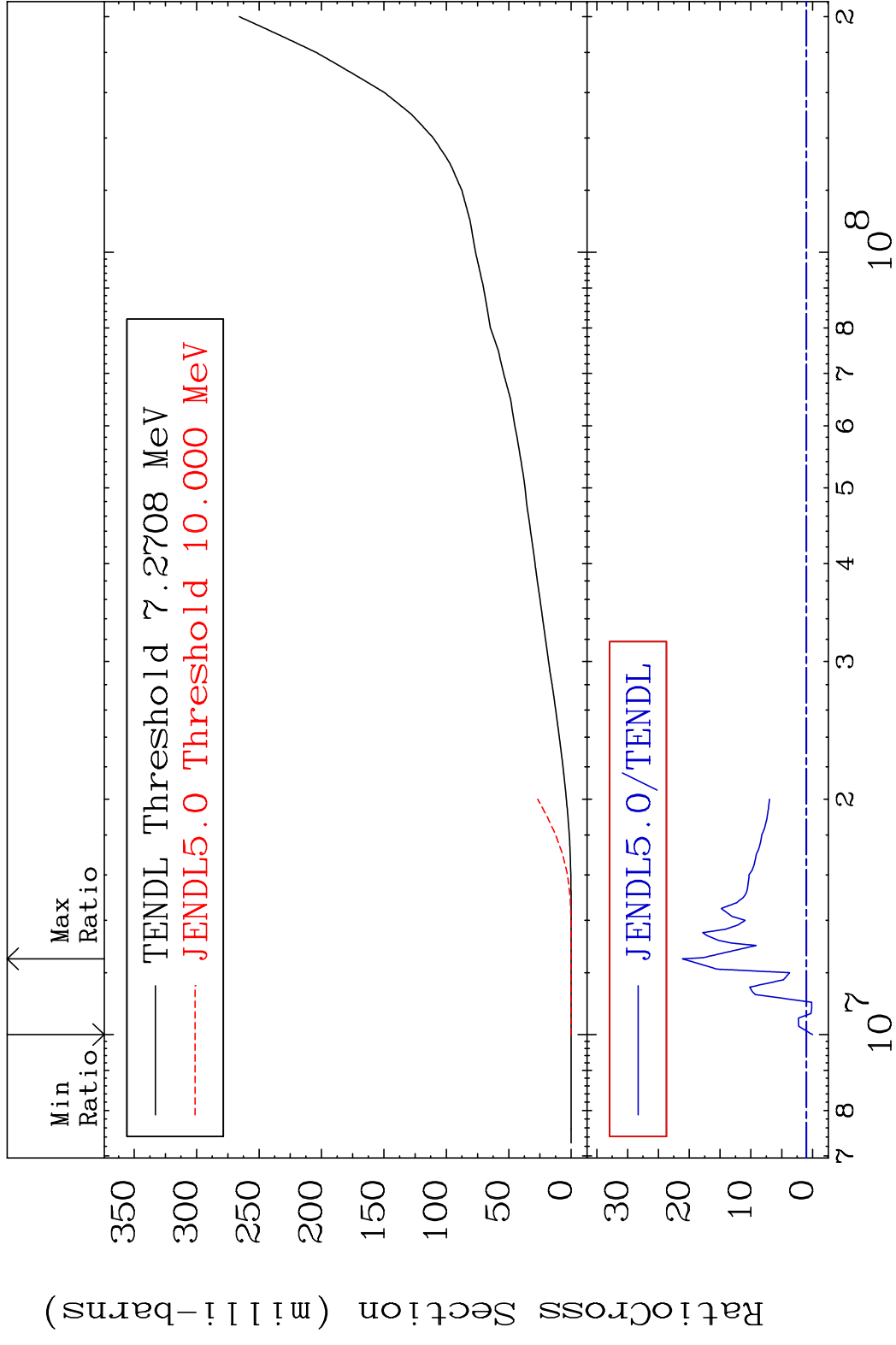
Cross Section -100.0 To 1009. %



30

Incident Energy (eV)

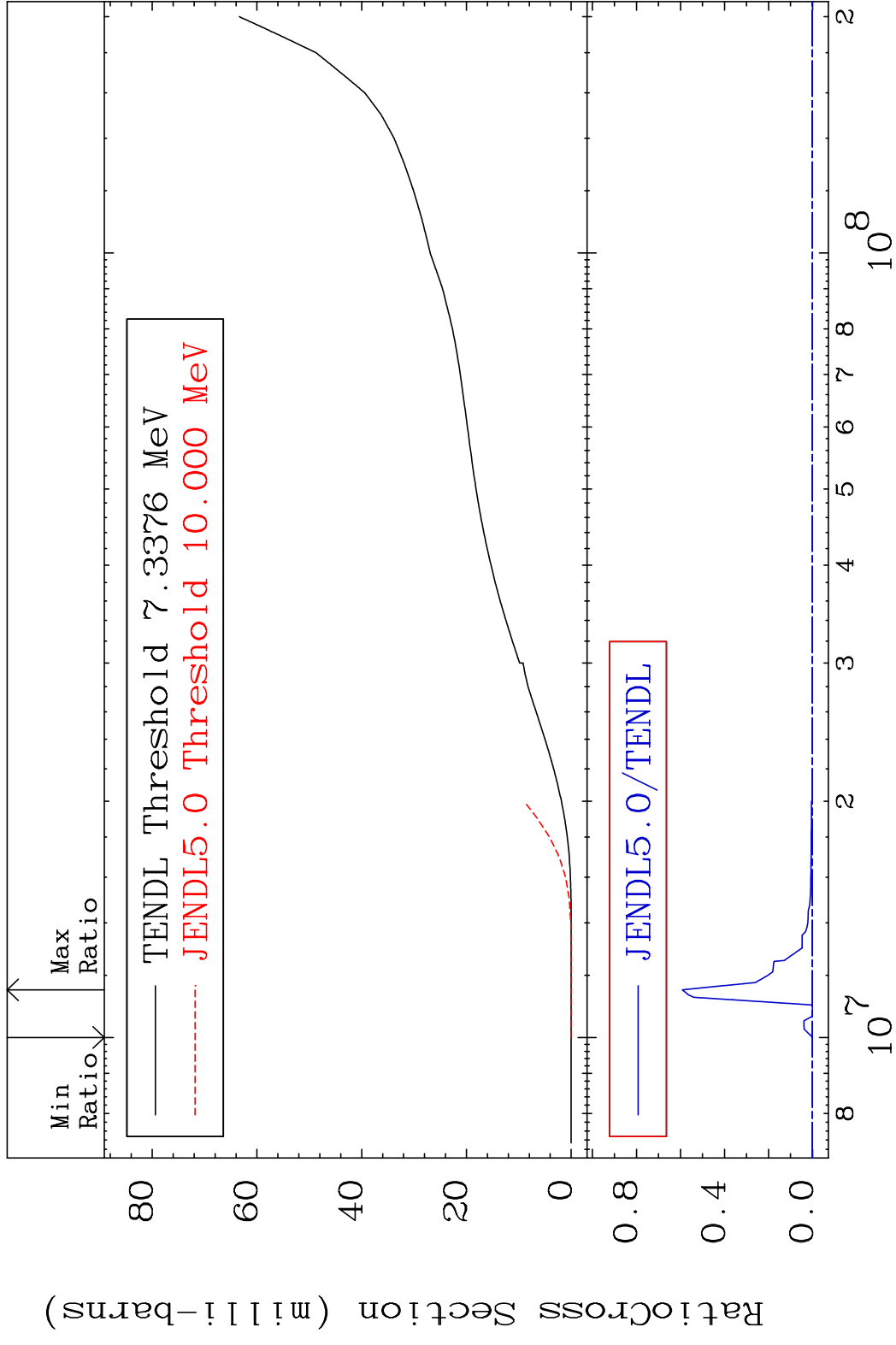
58-Ce-144



MAT 5849

Tritium Production 58-Ce-144

Cross Section -100.0 To 9999. %

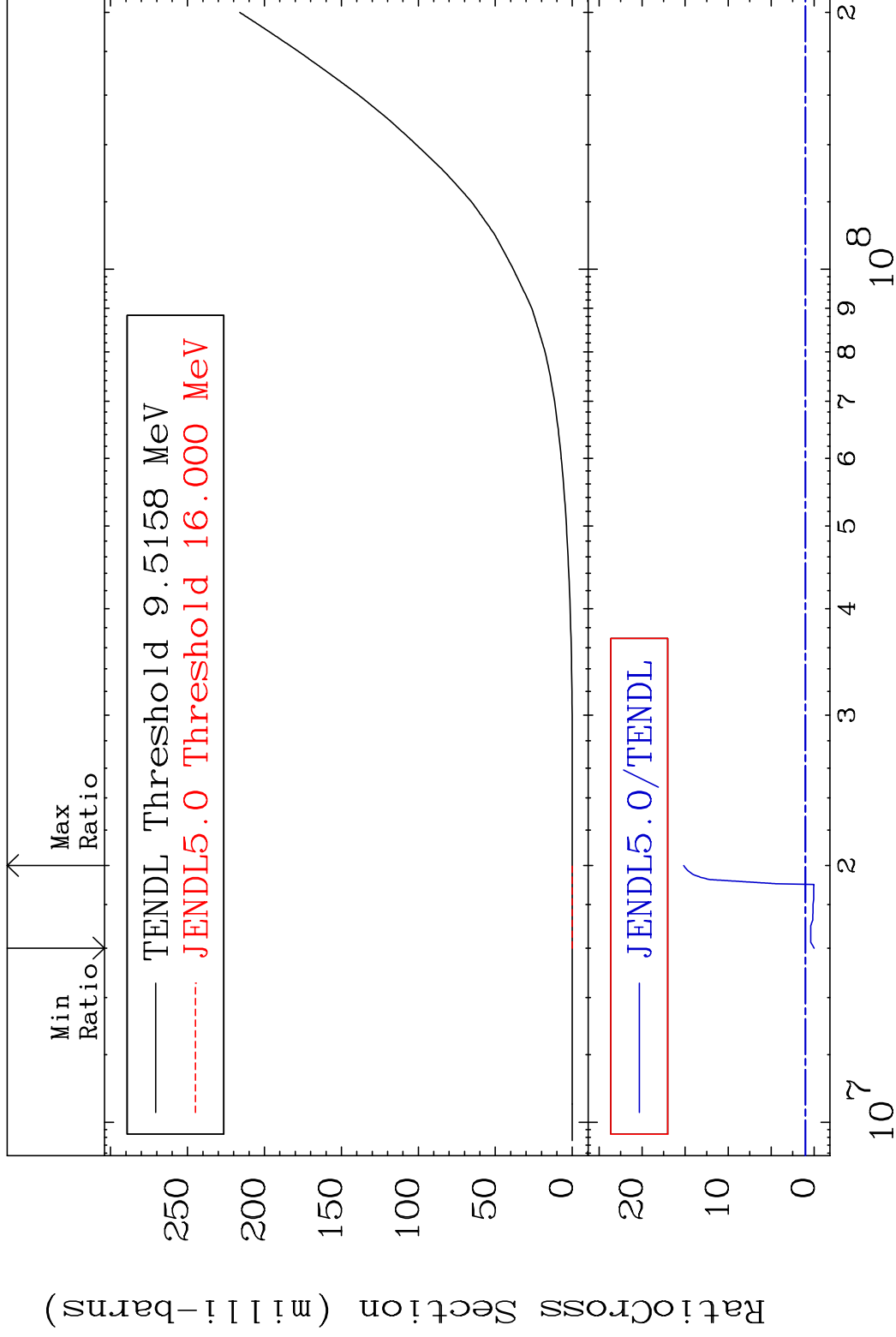


MAT 5849

He-3 Production

58-Ce-144

Cross Section -100.0 To 1418. %



33

Incident Energy (eV)

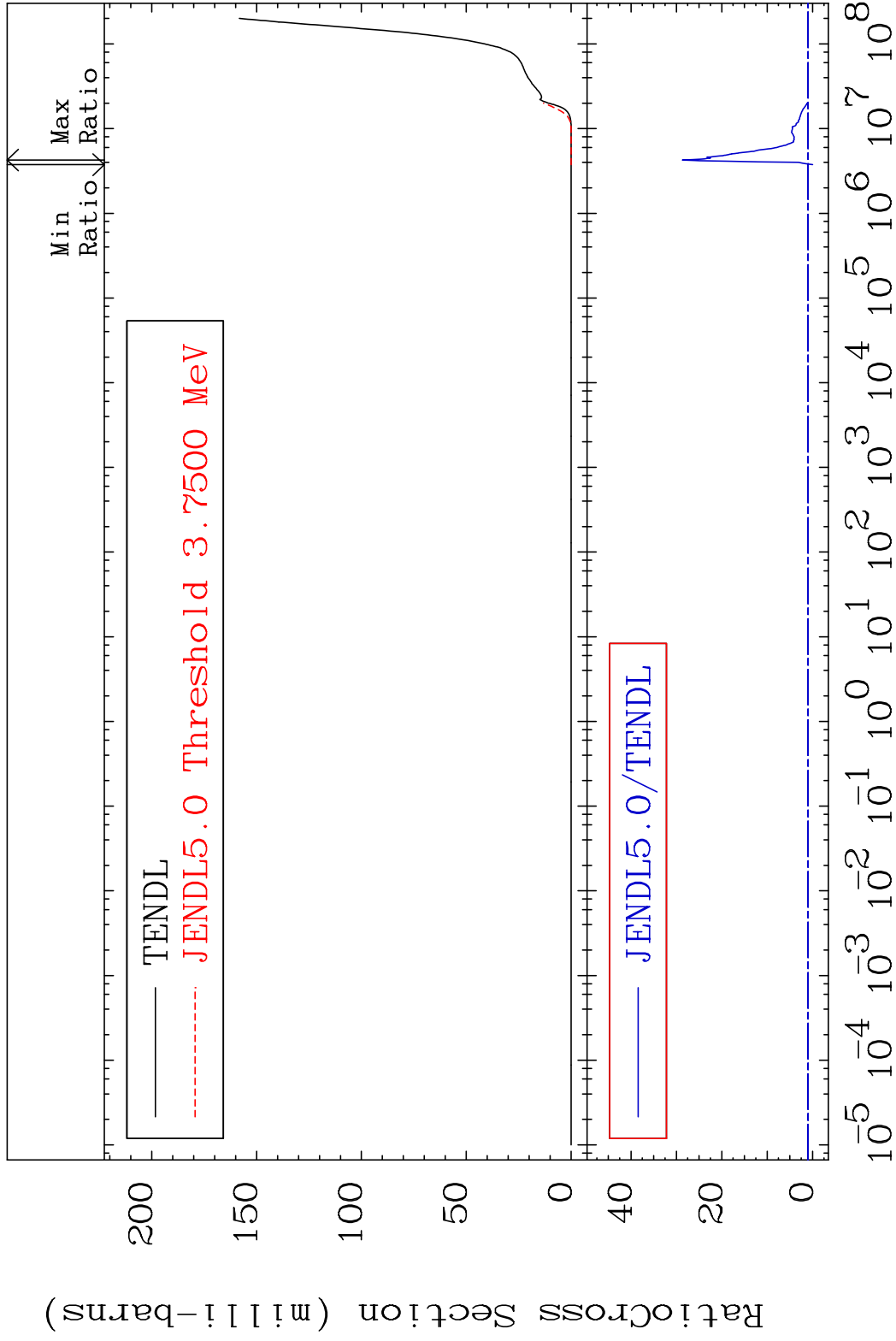
58-Ce-144

MAT 5849

He-4 Production

58-Ce-144

Cross Section -100.0 To 2768. %

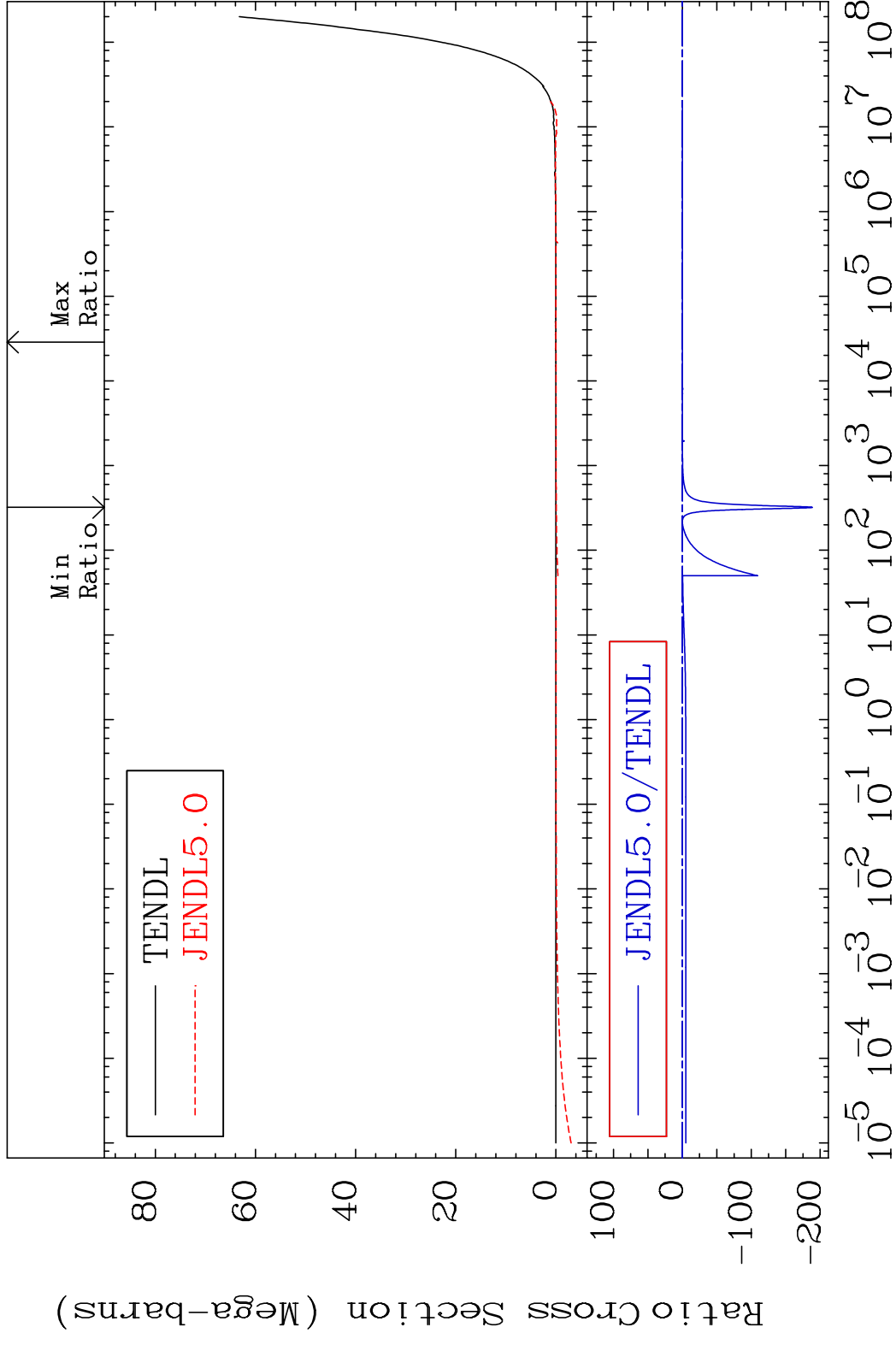


34

Incident Energy (eV)

58-Ce-144

MAT 5849 Kerma total (eV-barns) 58-Ce-144
 Cross Section -9999. To 1059. %



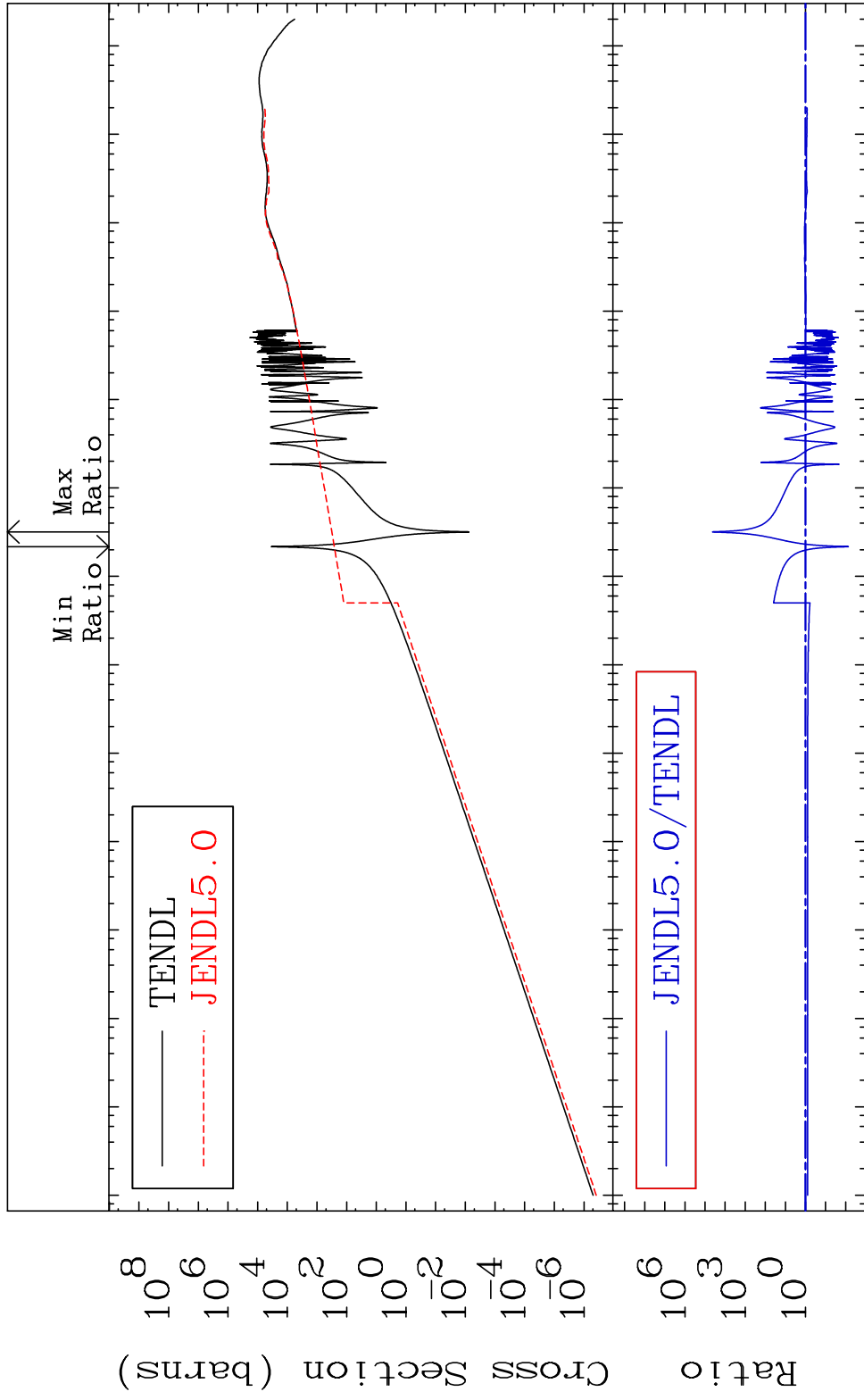
35 Incident Energy (eV) 58-Ce-144

MAT 5849

Kerma elastic

58-Ce-144

Cross Section -99.26 To 9999. %

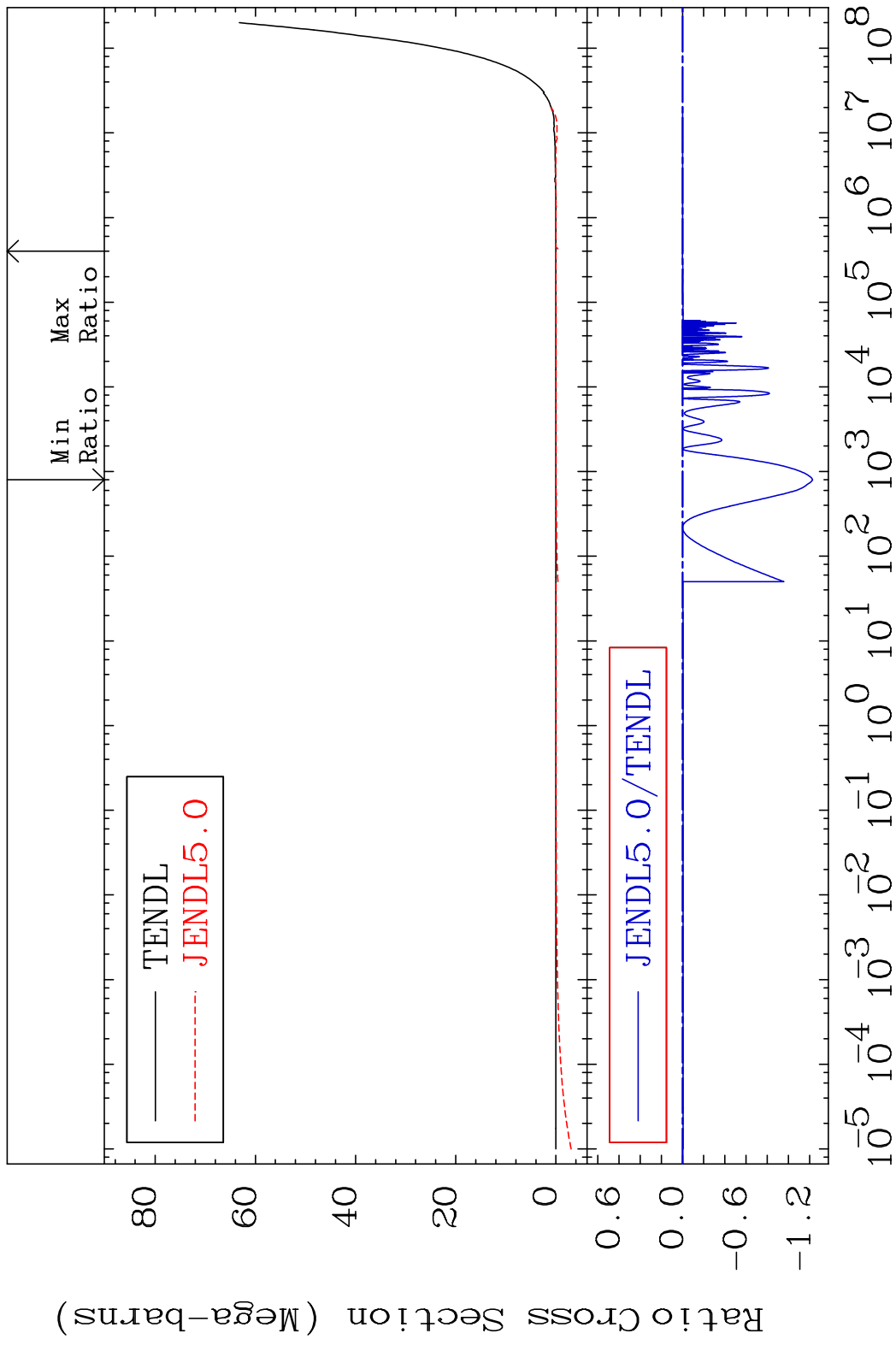


36

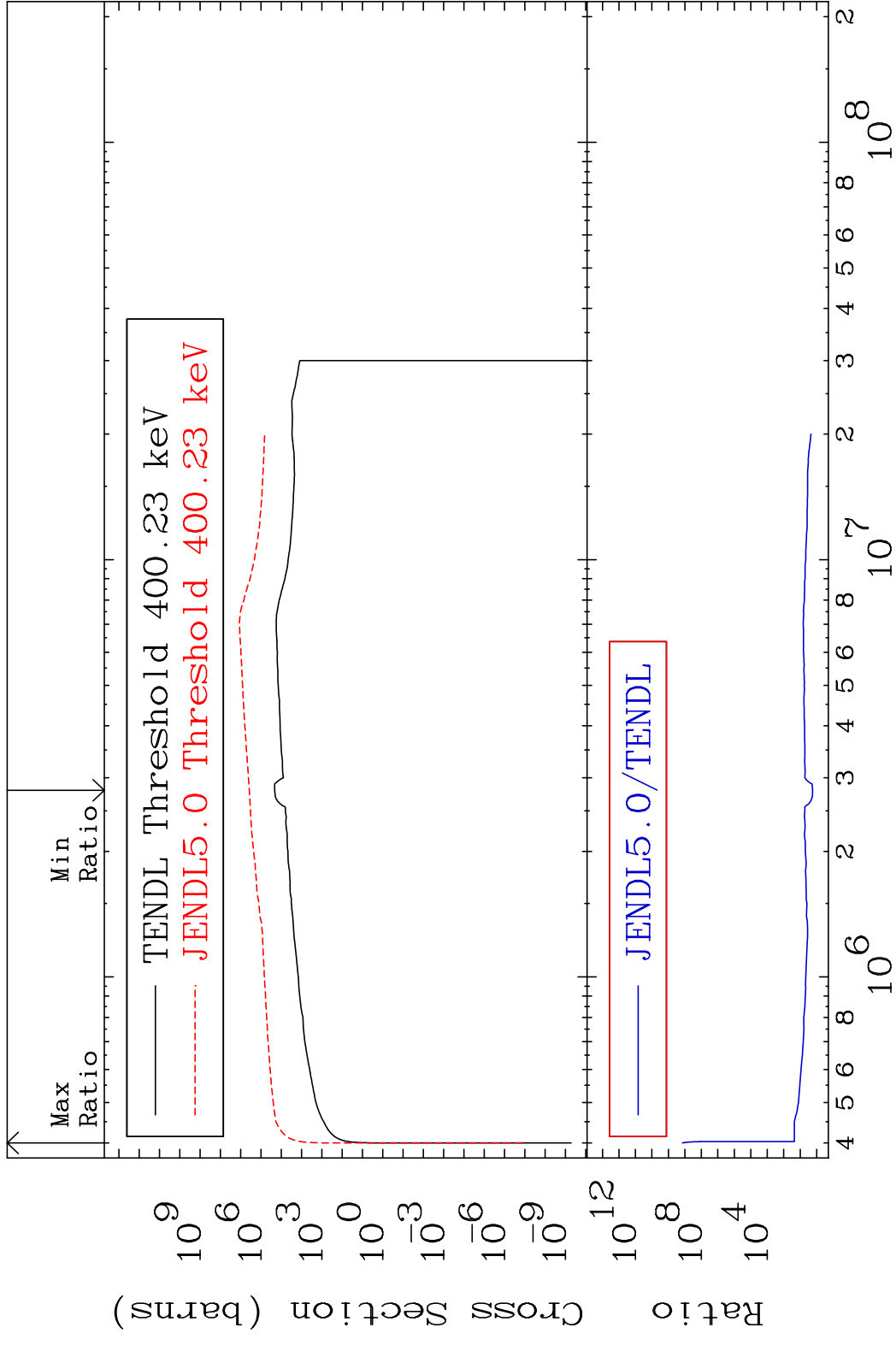
Incident Energy (eV)

58-Ce-144

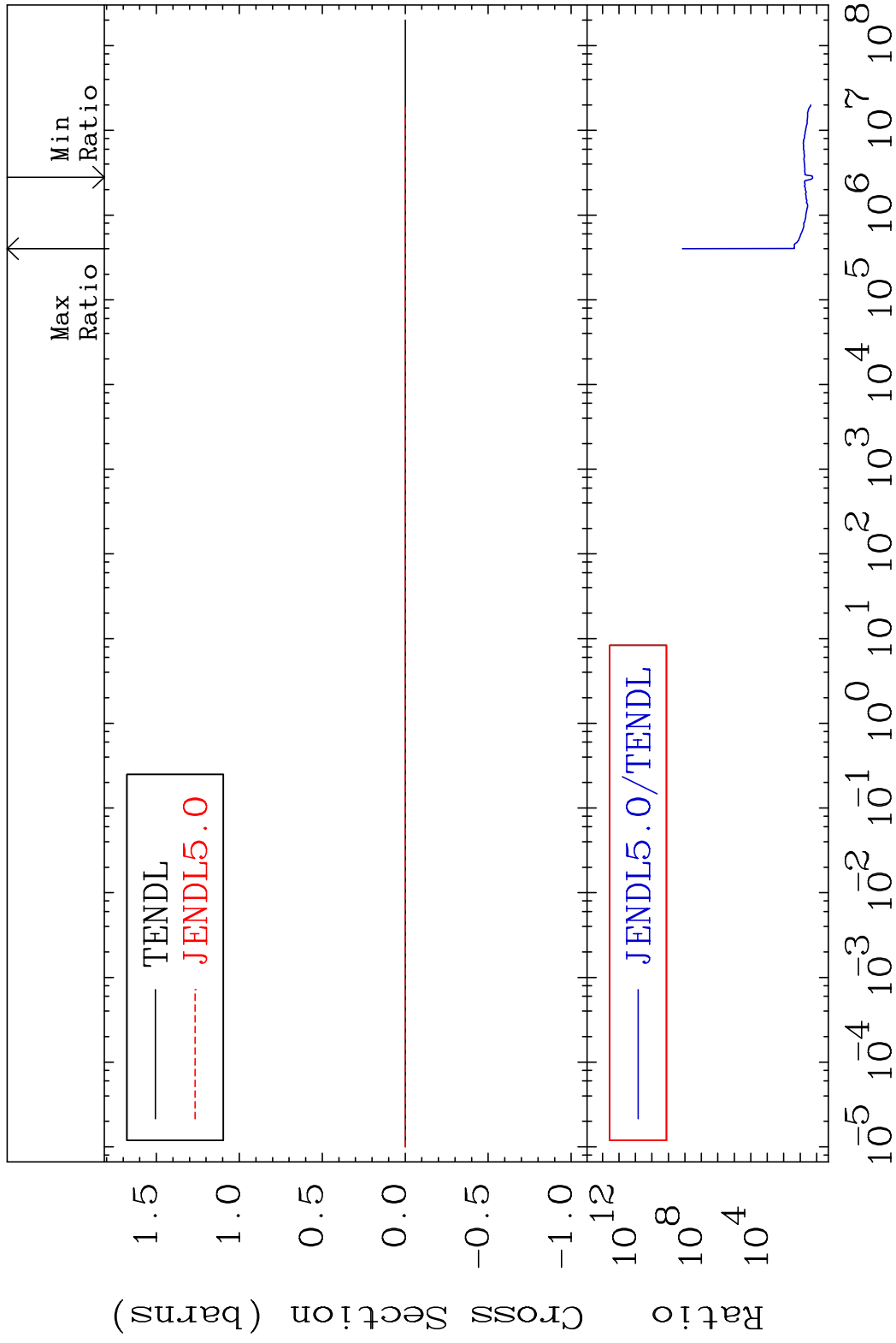
MAT 5849 Kerma non-elastic (all but mt2) 58-Ce-144
 Cross Section -9999. To 9999. %



MAT 5849 Kerma inelastic (mt51-91) 58-Ce-144
 Cross Section 1684. To 9999. %

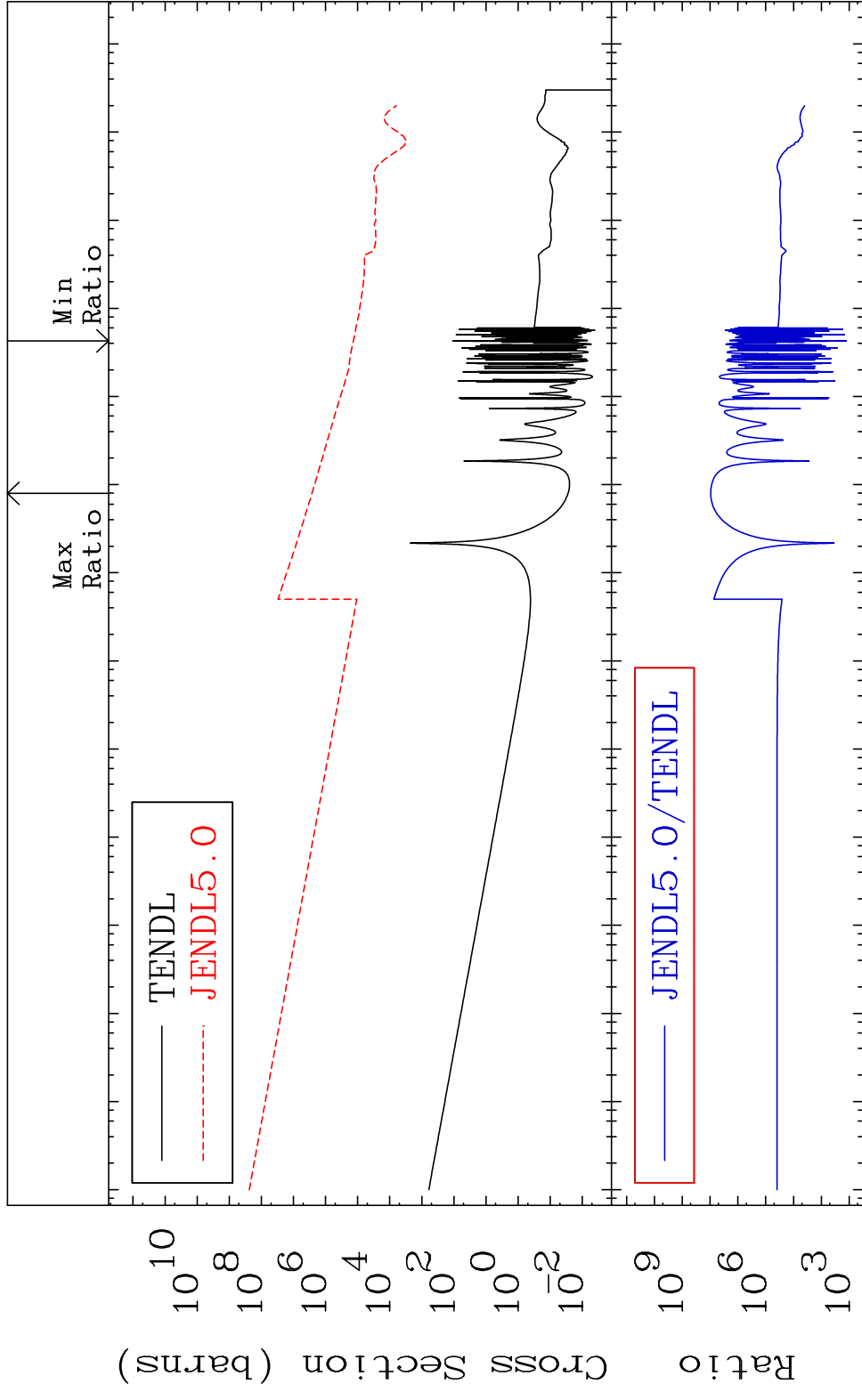


MAT 5849 Kerma fission (mt18 or mt19-20-21-38) 58-Ce-144
 Cross Section 1684. To 9999. %



MAT 5849

Kerma capture (mt102) 58-Ce-144
Cross Section 9999. To 9999. %

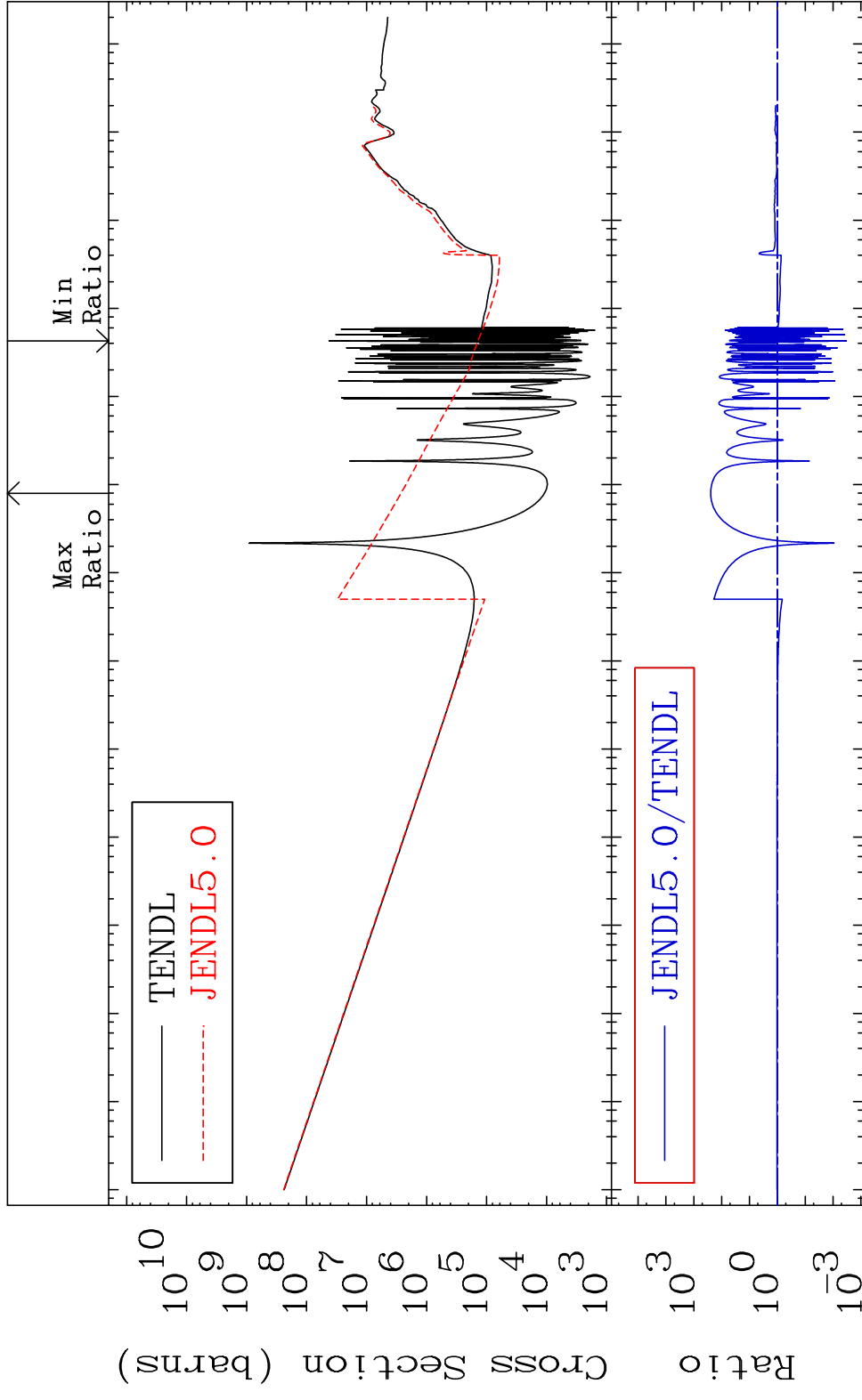


40

Incident Energy (eV)

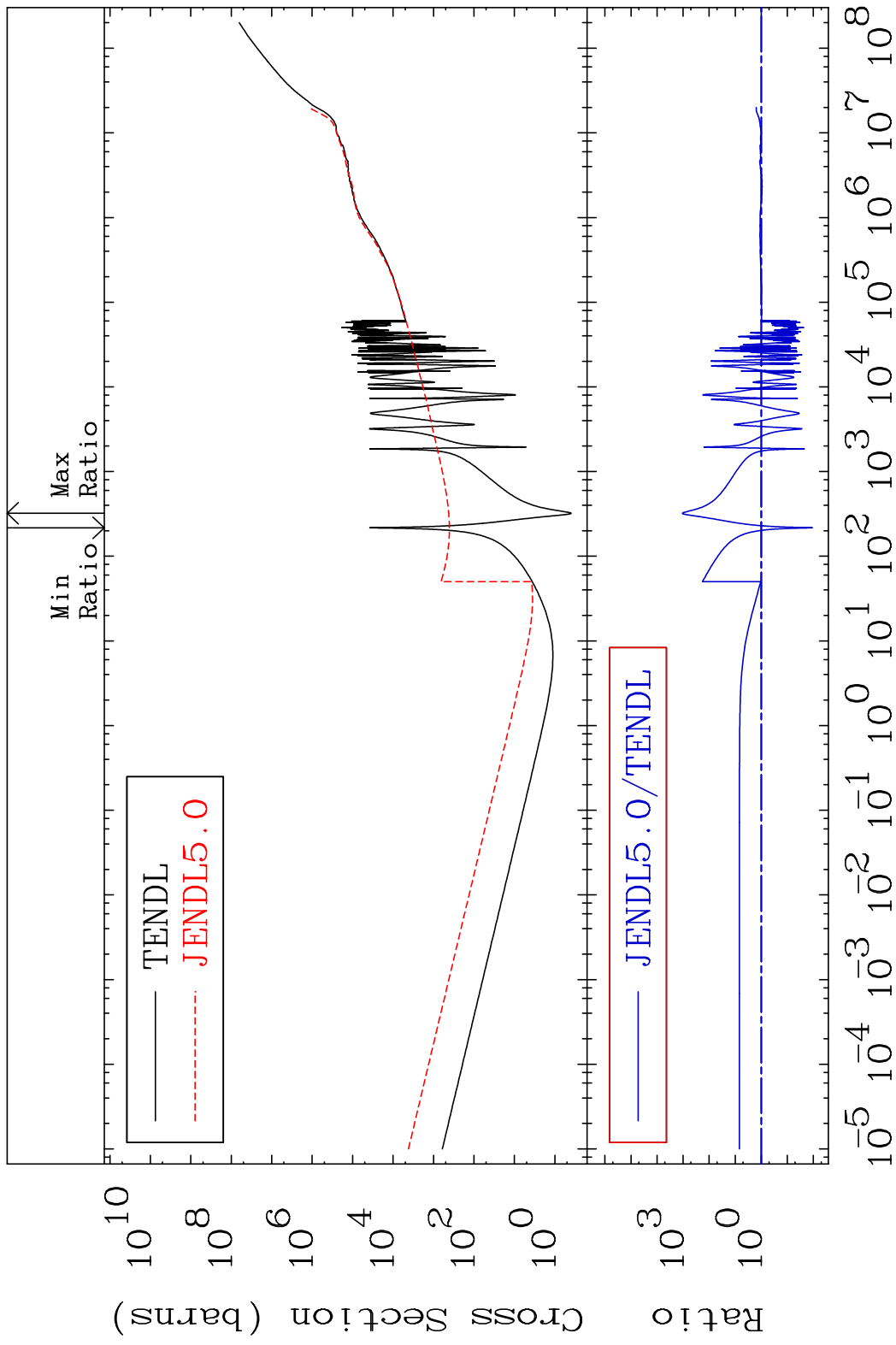
58-Ce-144

MAT 5849 Total photon (eV-barns) 58-Ce-144
 Cross Section -99.67 To 9999. %



41 Incident Energy (eV) 58-Ce-144

MAT 5849 Total kinematic kerma (high limit) 58-Ce-144
 Cross Section -98.93 To 9999. %

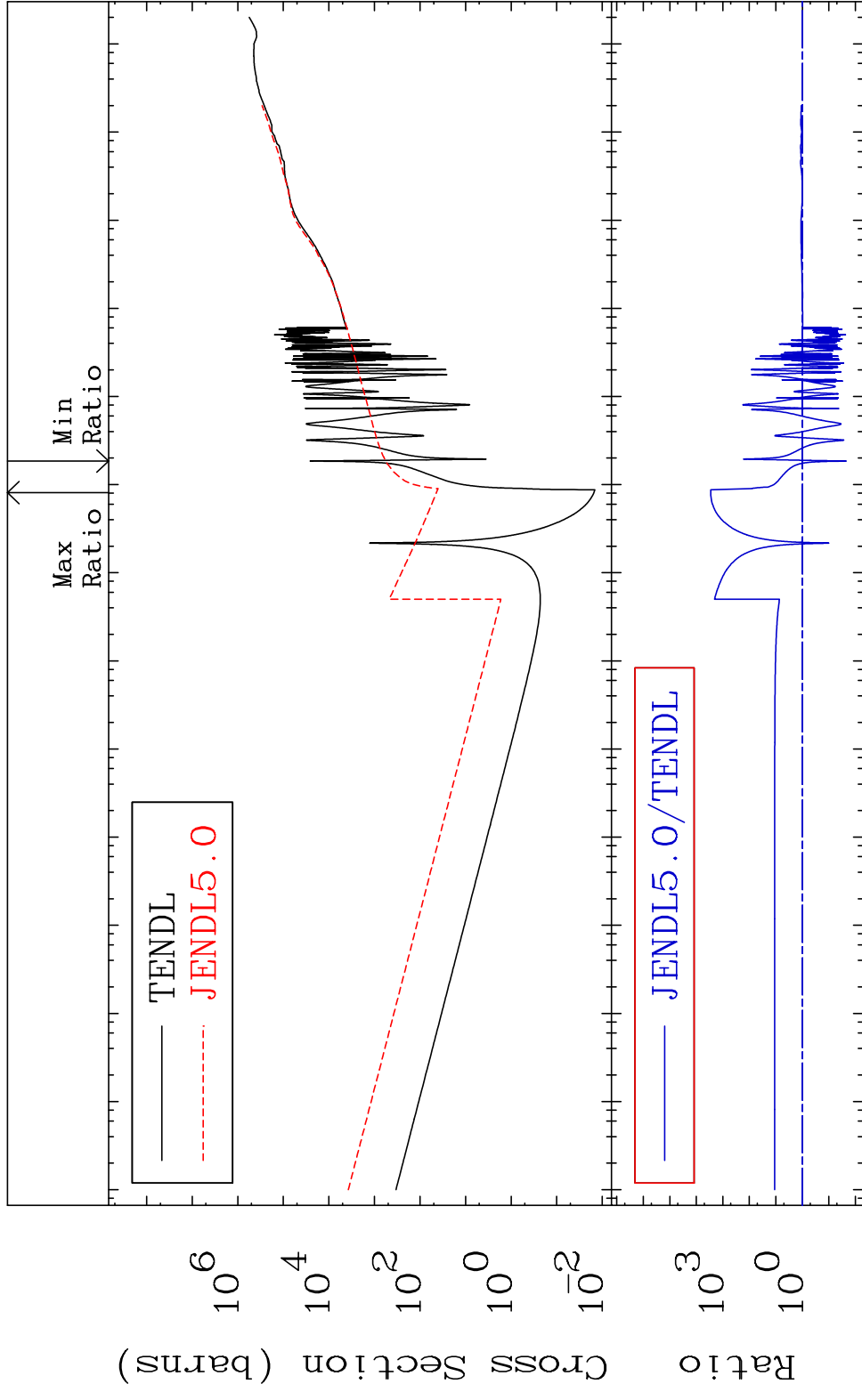


MAT 5849

Dpa total (eV-barns)

58-Ce-144

Cross Section -97.80 To 9999. %



43

Incident Energy (eV)

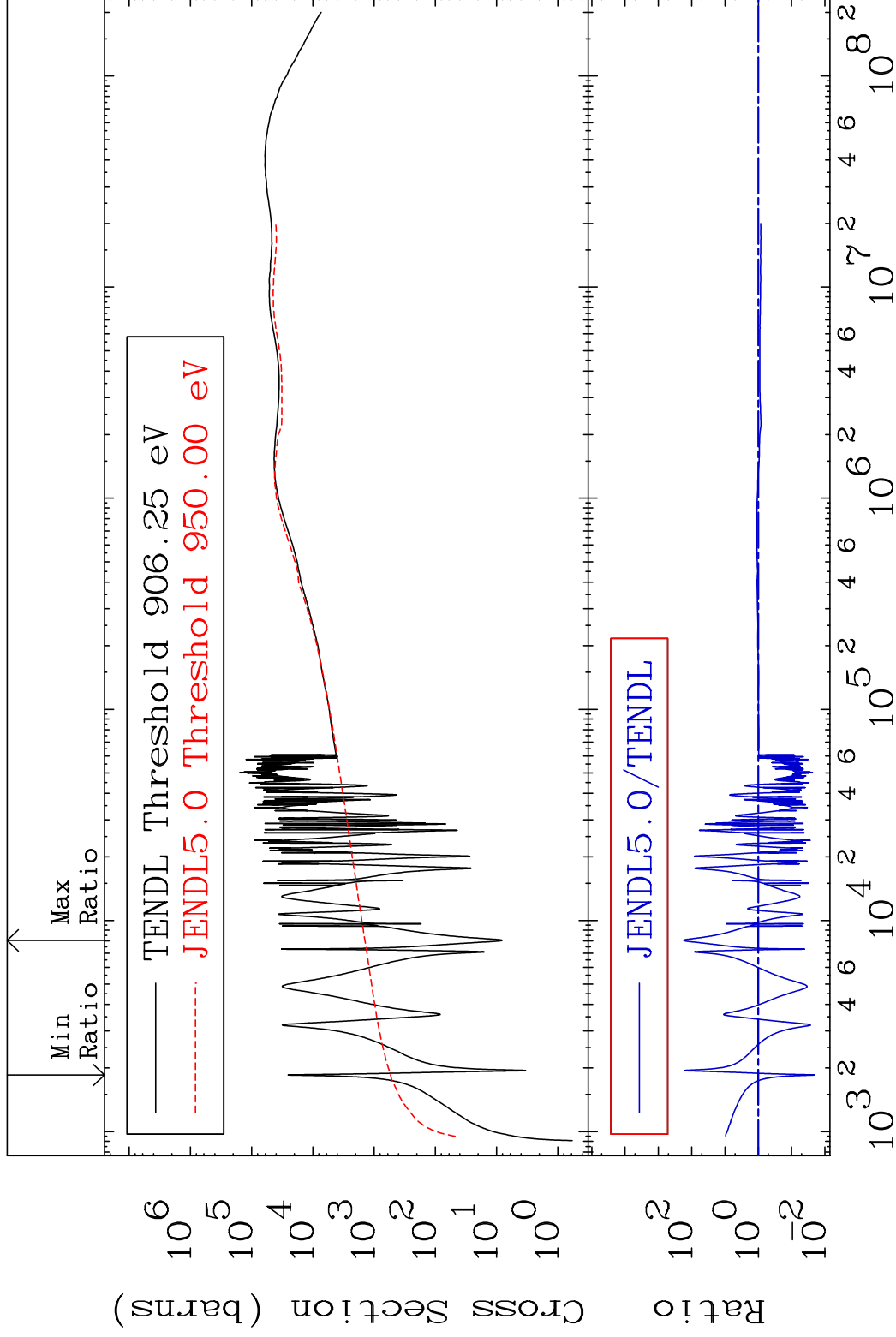
58-Ce-144

MAT 5849

Dpa elastic (mt2)

58-Ce-144

Cross Section -97.89 To 9999. %

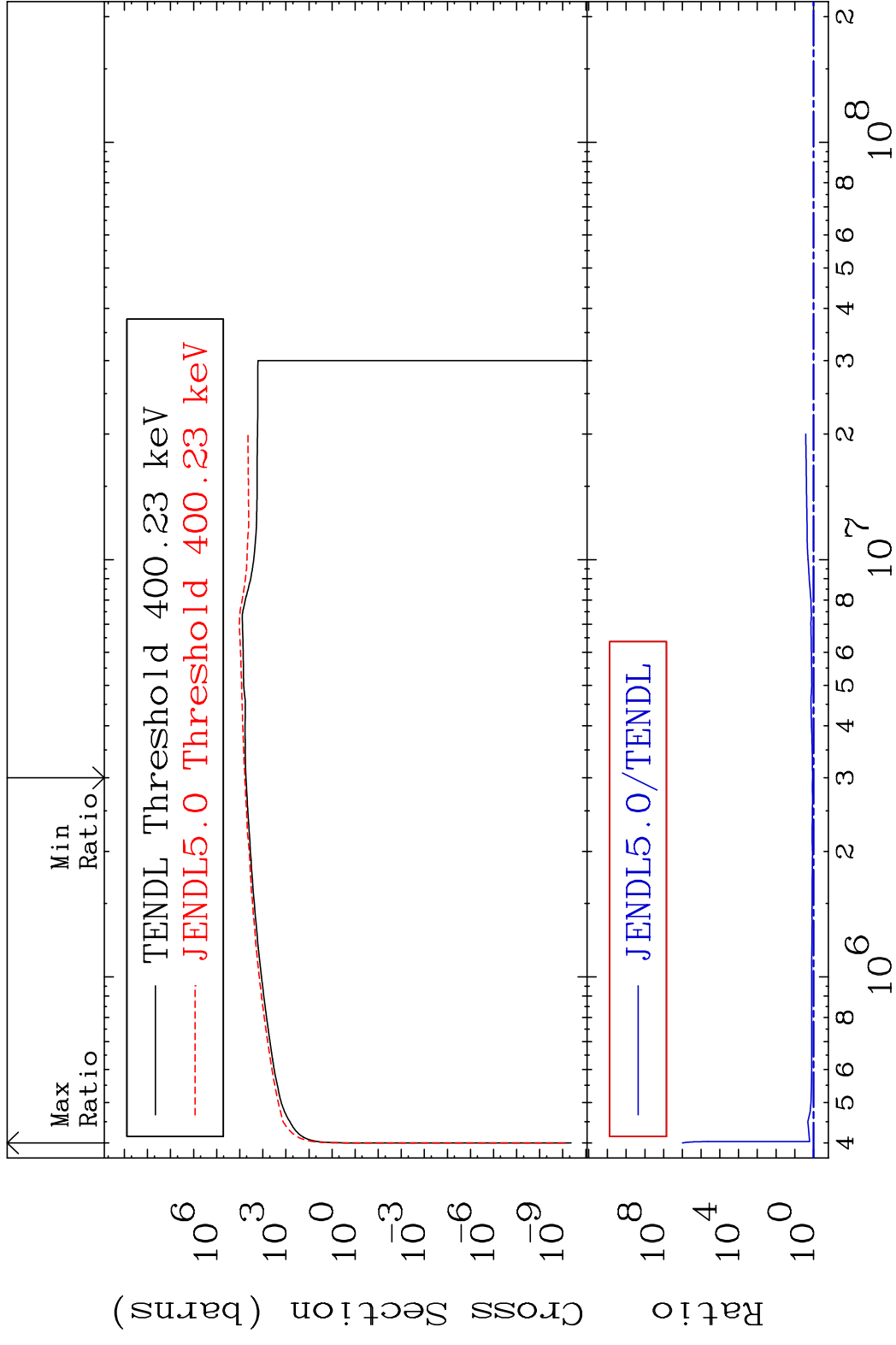


44

Incident Energy (eV)

58-Ce-144

MAT 5849 Dpa inelastic (mt51-91) 58-Ce-144
 Cross Section 11.98 To 9999. %



MAT 5849 Dpa disappearance (mt102 -120) 58-Ce-144
Cross Section -90.00 To 9999. %

