

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

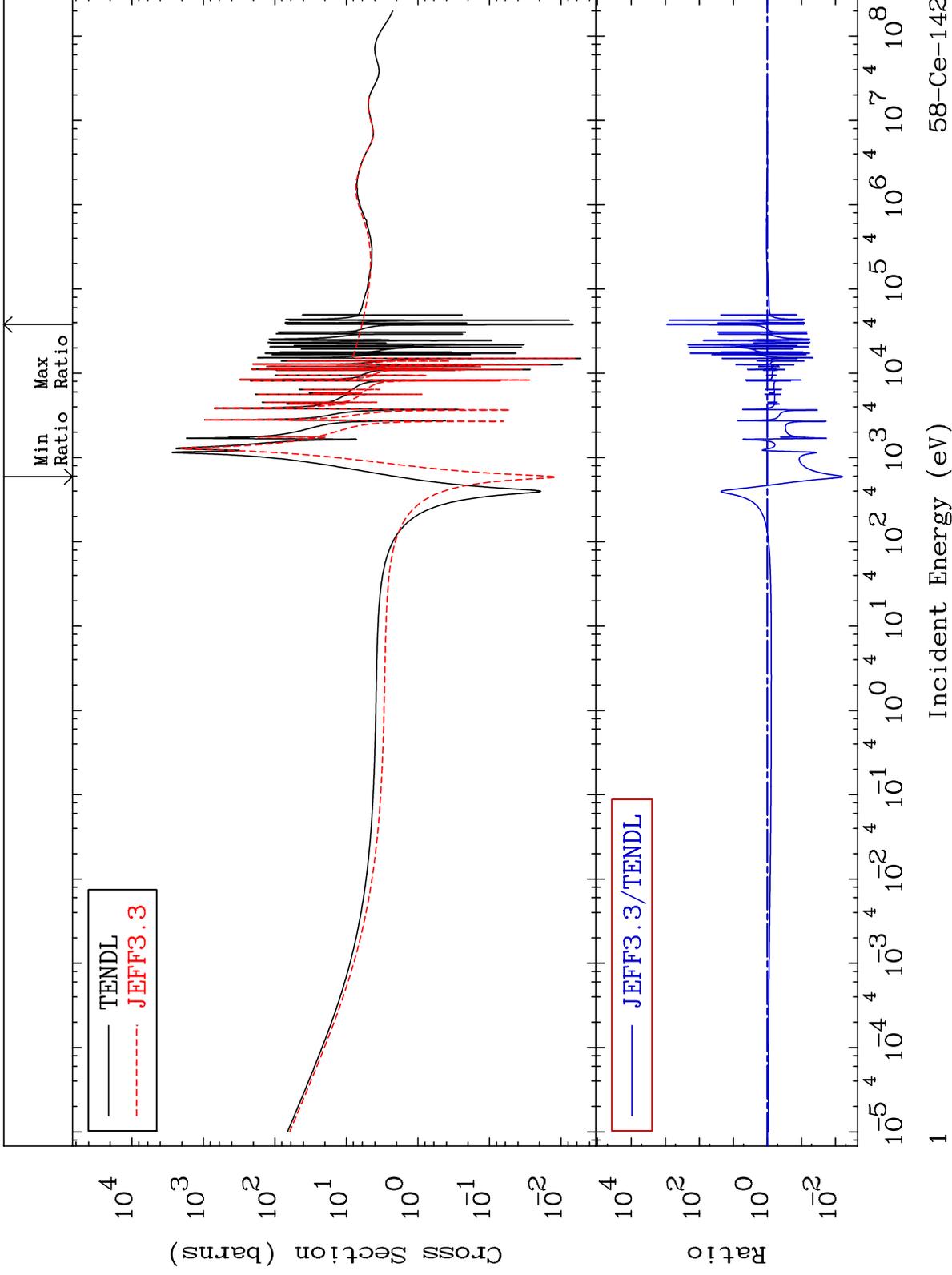
MAT 5843

Total

58-Ce-142

Cross Section

-99.38 To 9999. %

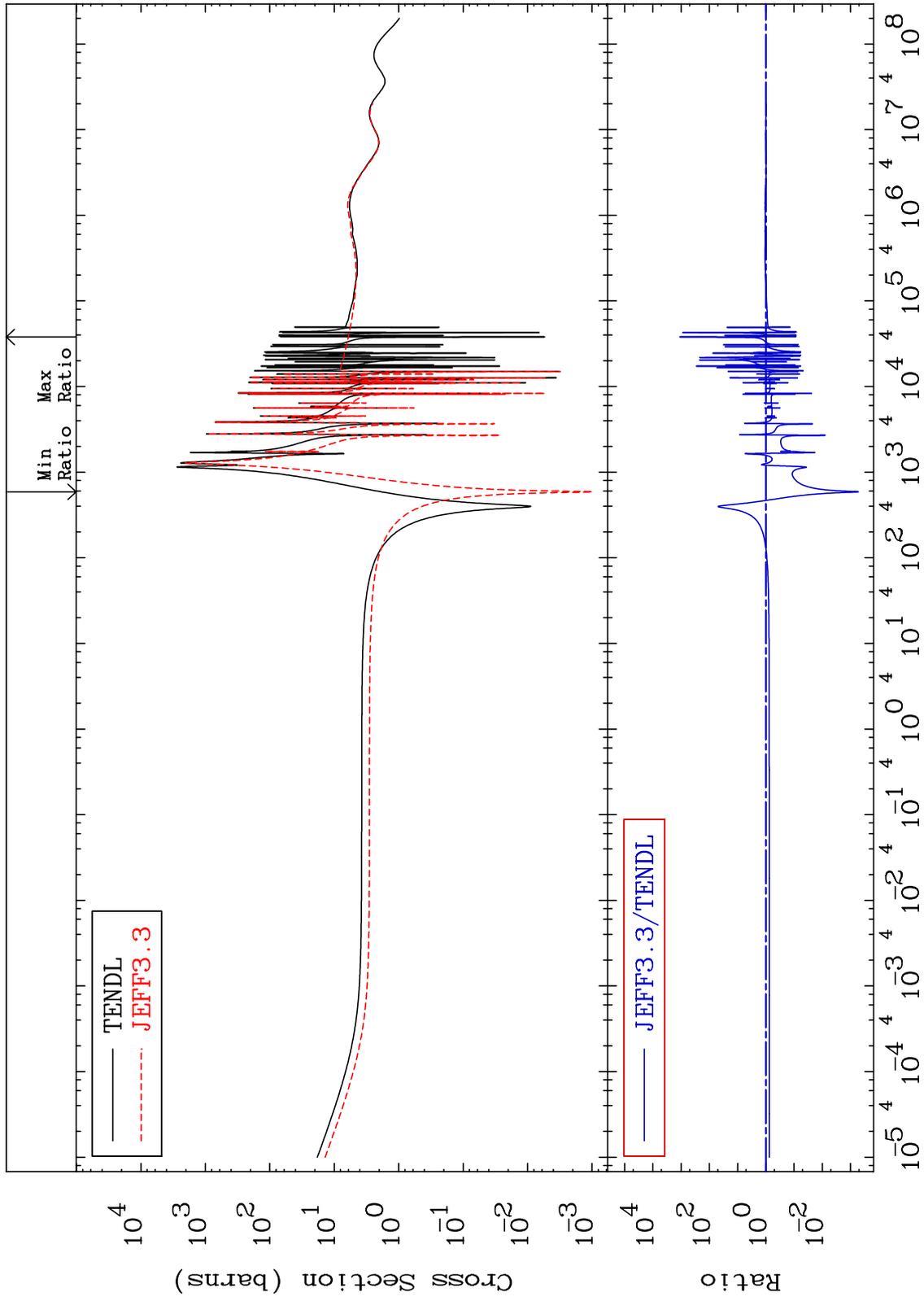


58-Ce-142

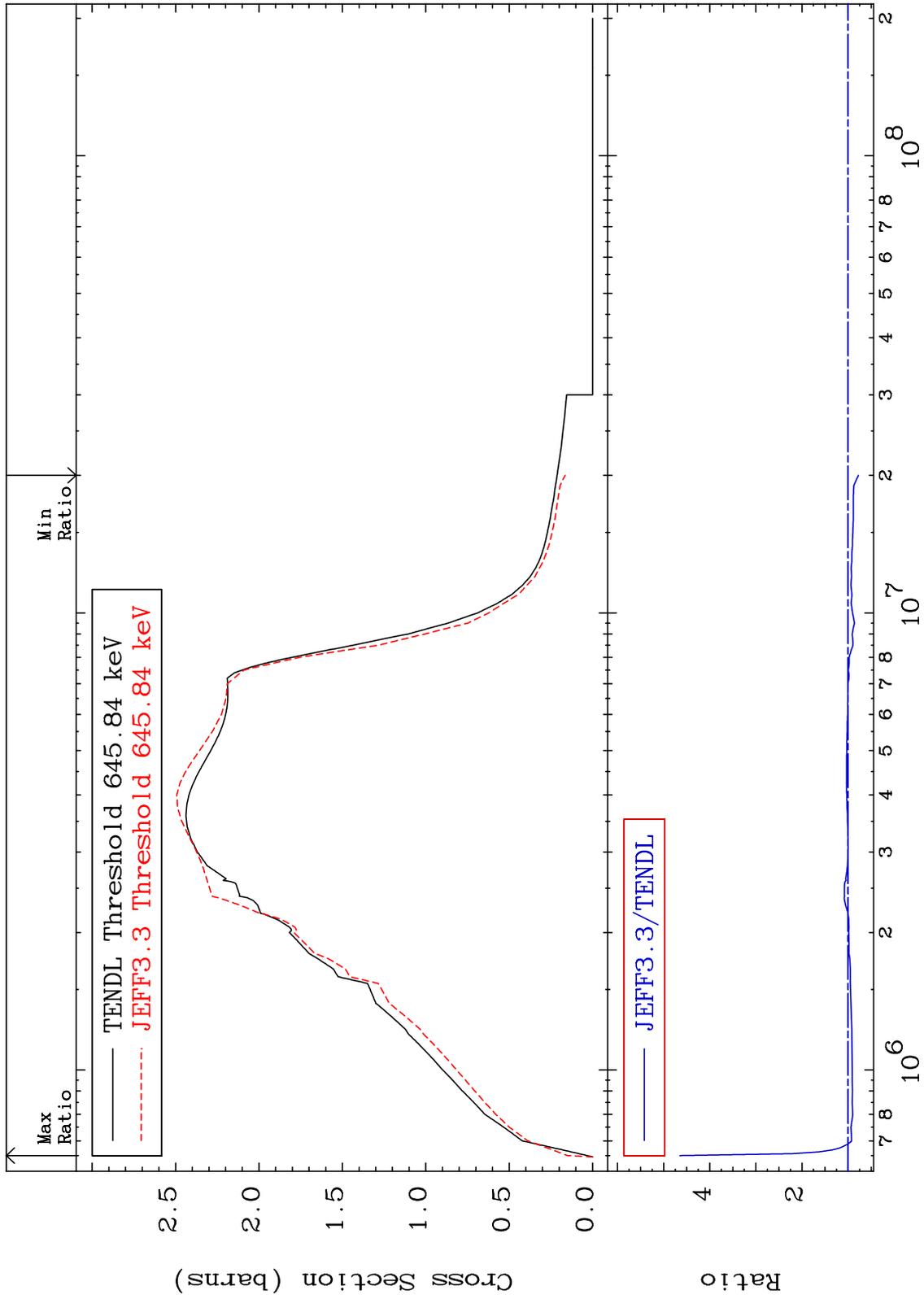
MAT 5843

Elastic
Cross Section

58-Ce-142
-99.95 To 9999. %



MAT 5843 Inelastic Cross Section 58-Ce-142 -22.38 To 364.7 %



3 Incident Energy (eV) 58-Ce-142

MAT 5843

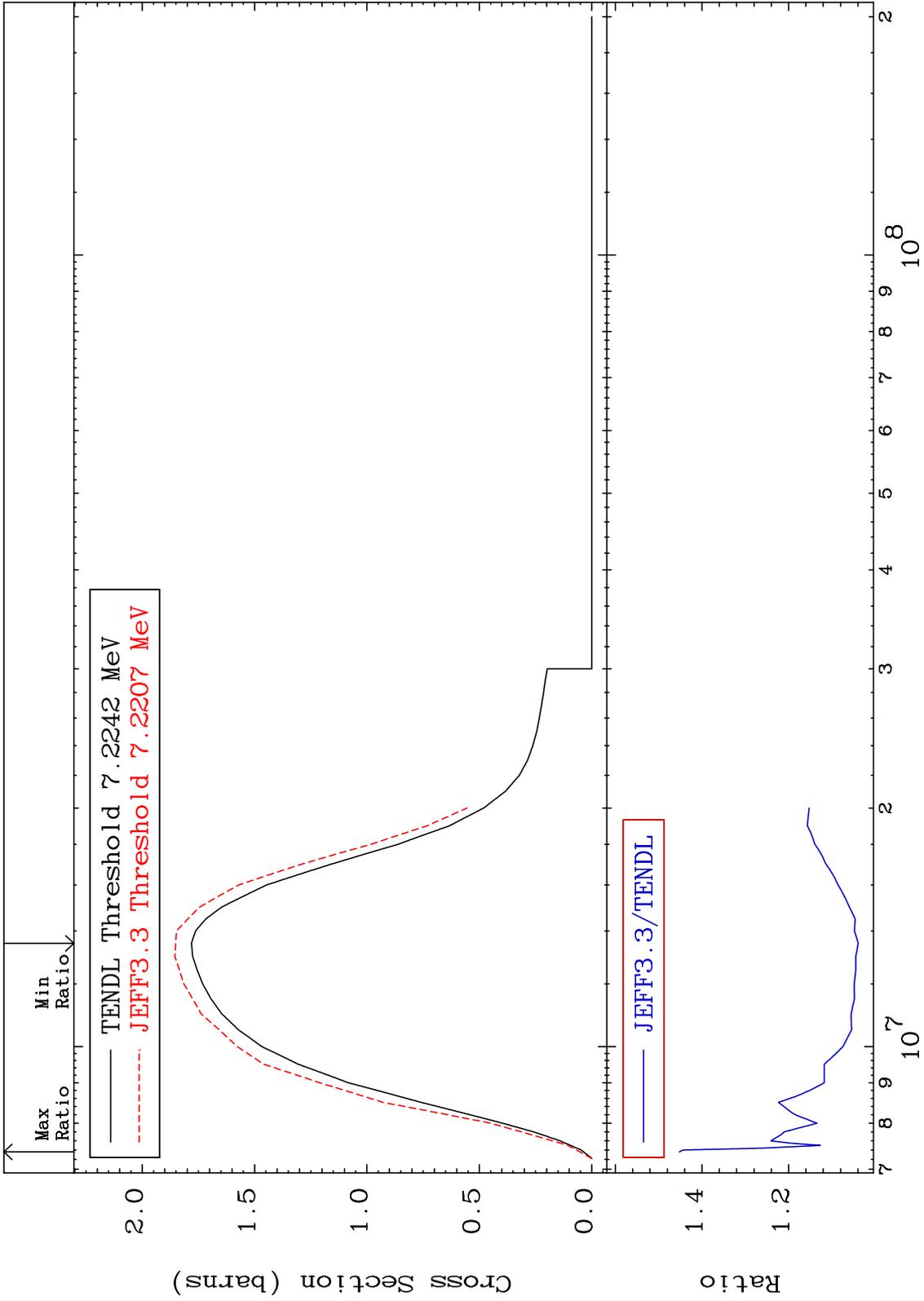
(n,2n)

58-Ce-142

Cross Section

3.926

To 45.23 %



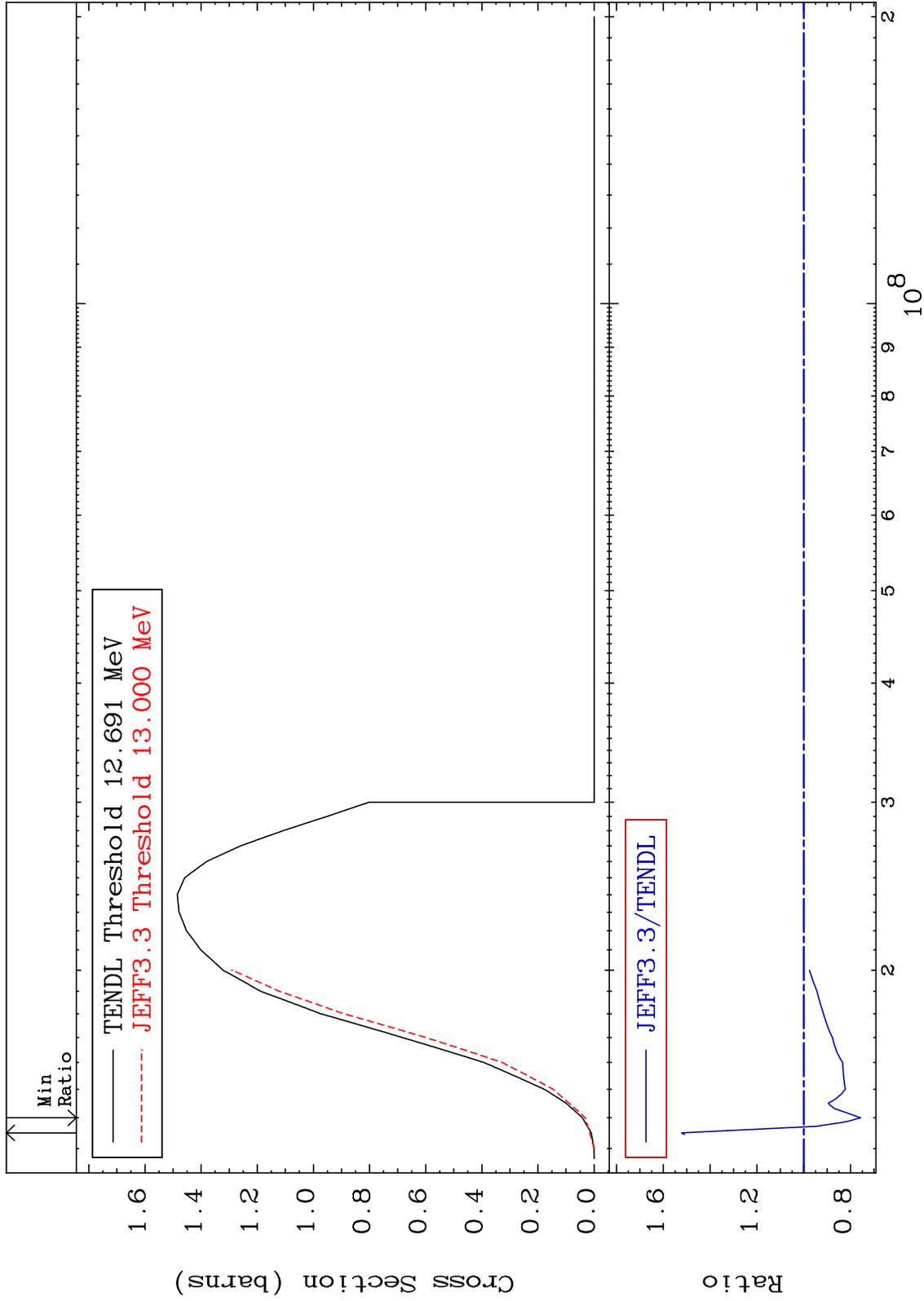
MAT 5843

(n, 3n)

58-Ce-142

Cross Section

-24.28 To 52.16 %



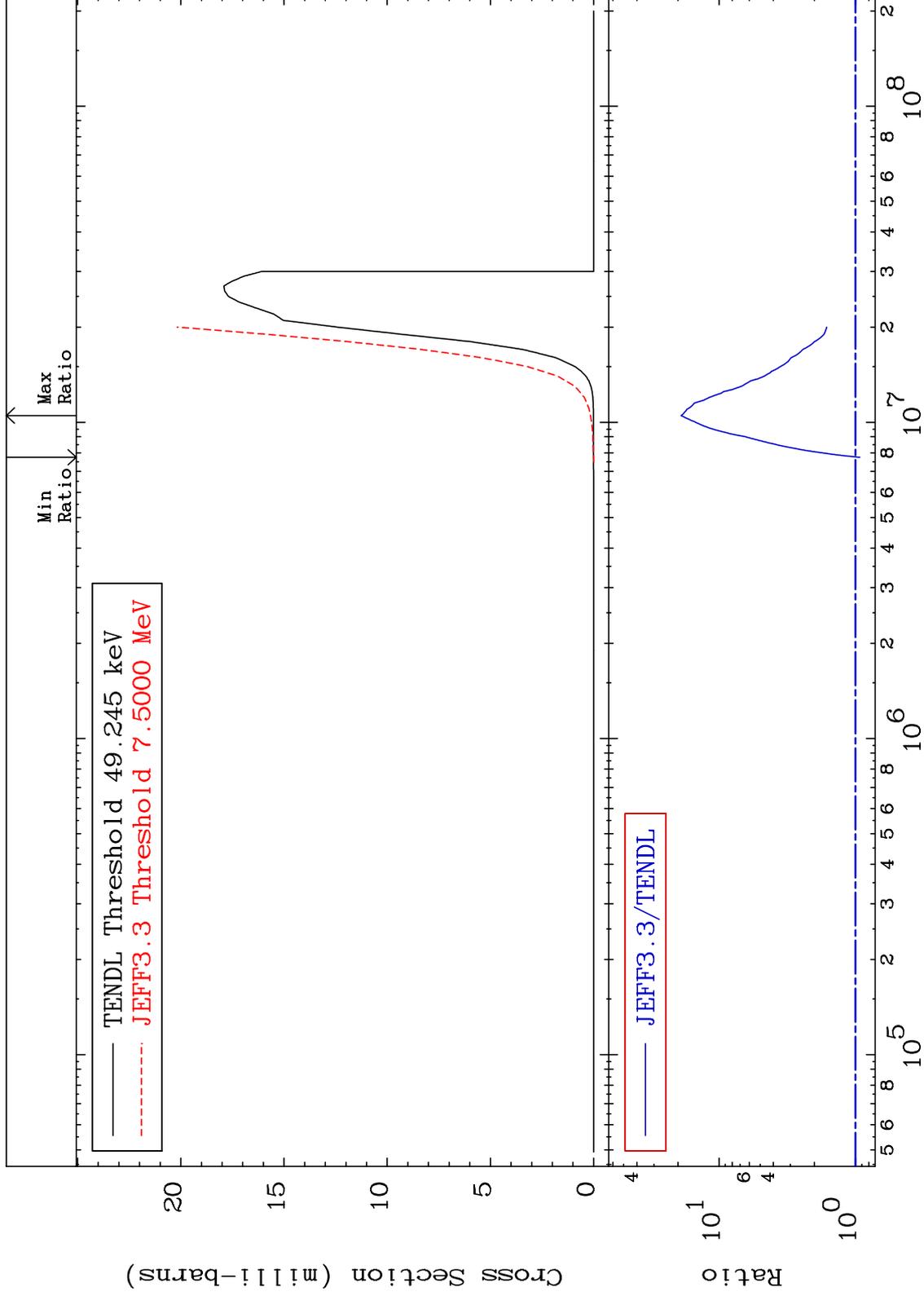
MAT 5843

(n,n') α

58-Ce-142

Cross Section

-7.167 To 1795. %



6

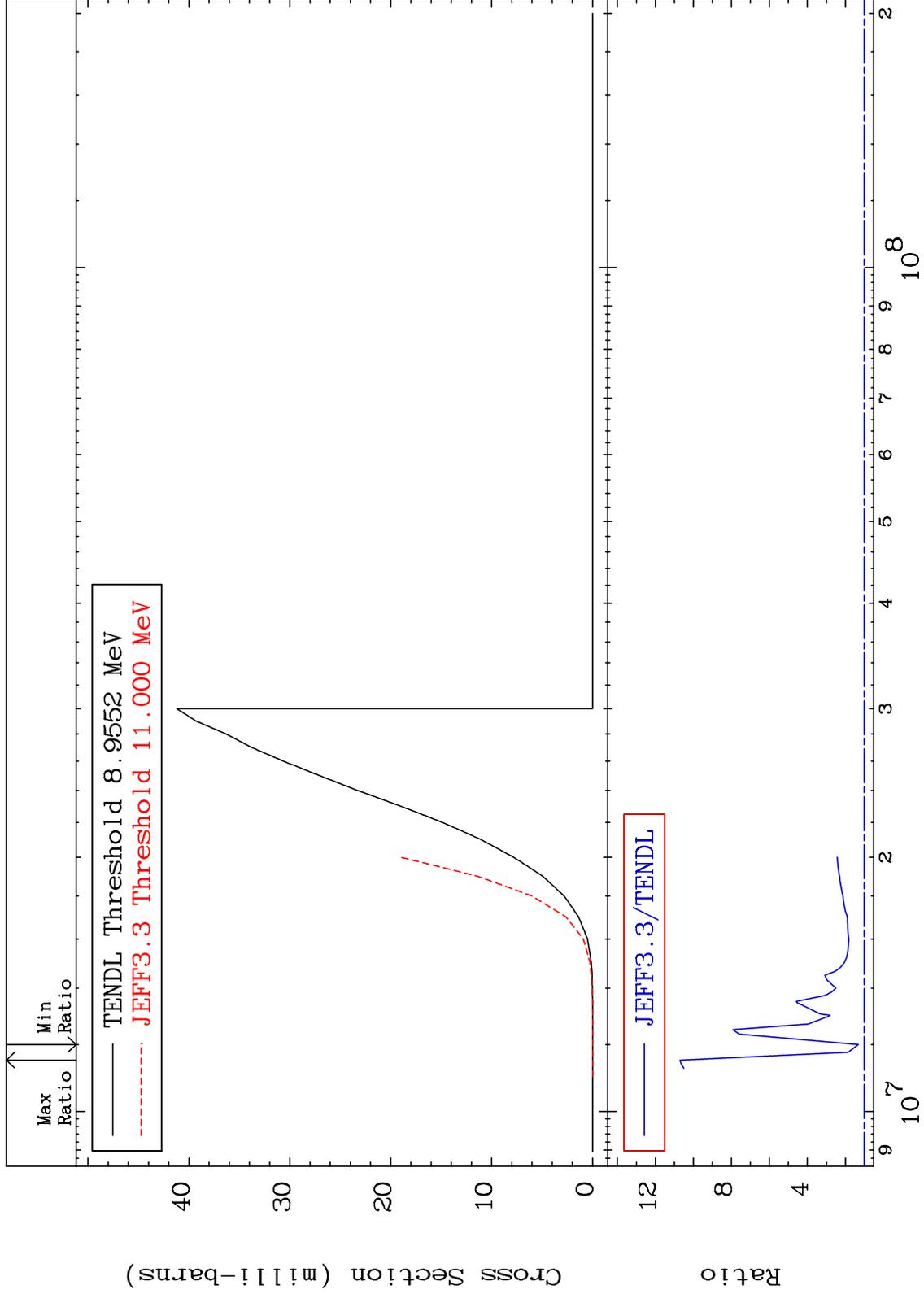
Incident Energy (eV)

58-Ce-142

MAT 5843

(n, n') p
Cross Section

58-Ce-142
31.69 To 970.6 %



7

Incident Energy (eV)

58-Ce-142

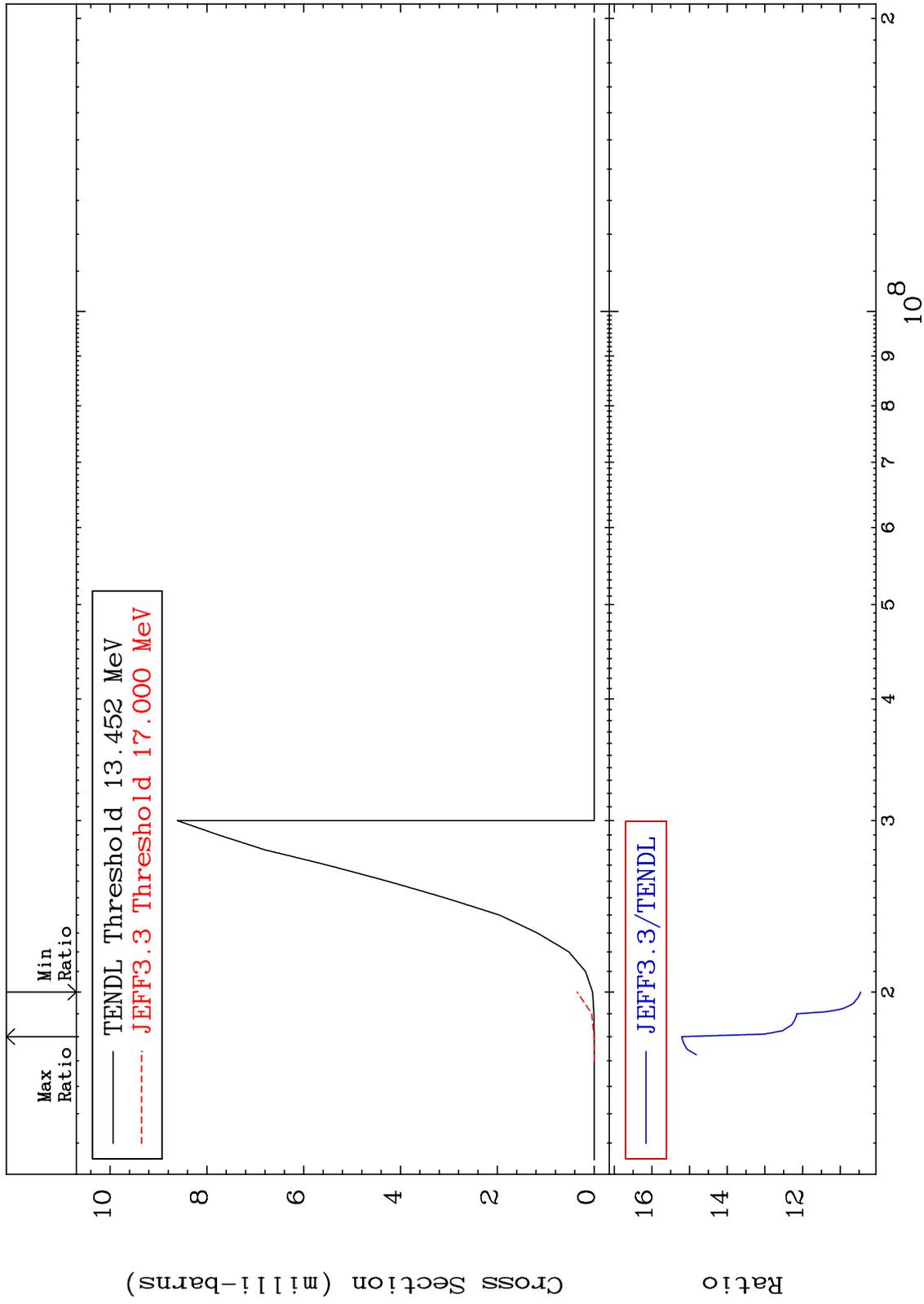
MAT 5843

(n, n') d

58-Ce-142

Cross Section

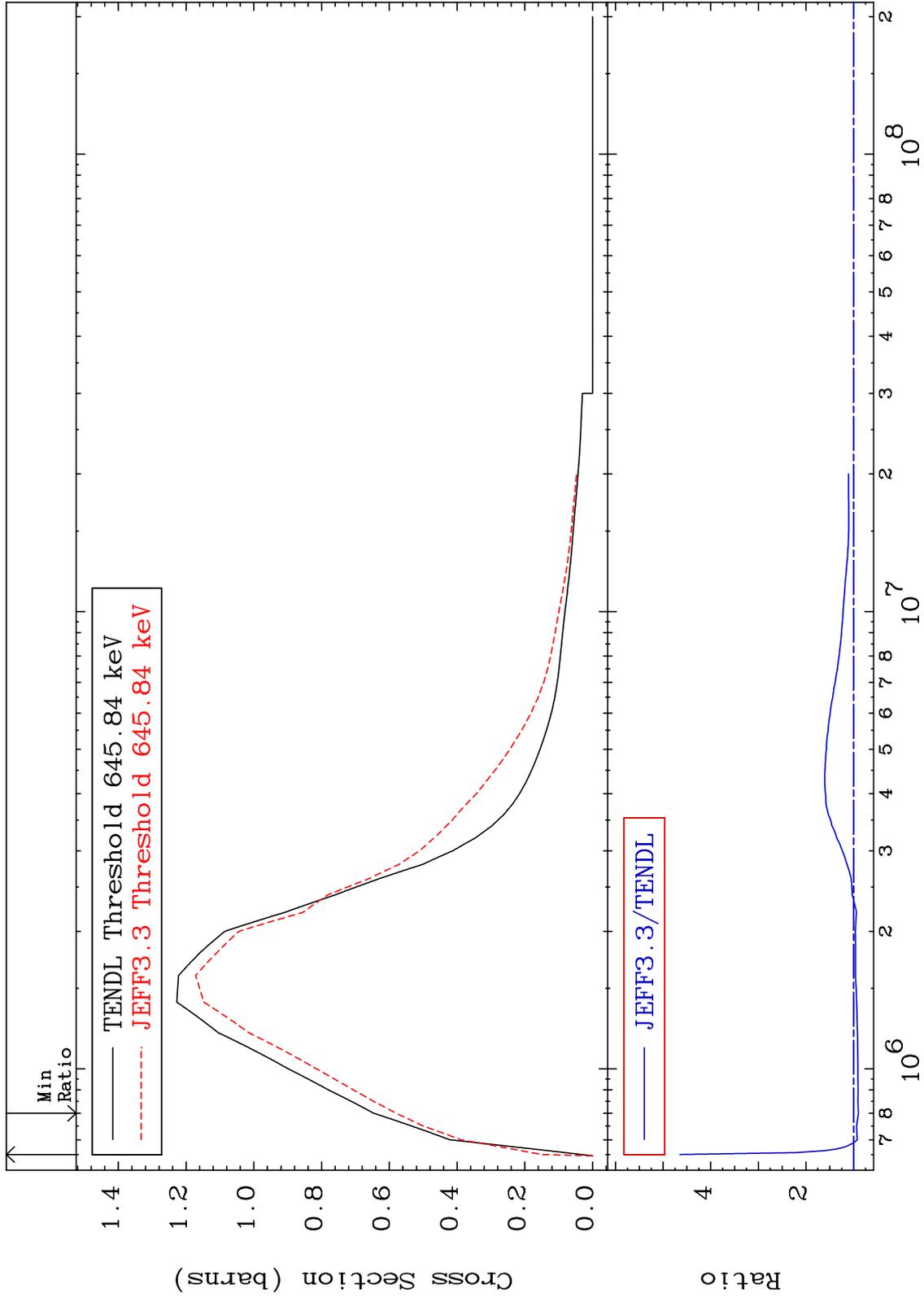
945.7 To 1421. %



MAT 5843

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

58-Ce-142
-10.16 To 364.7 %



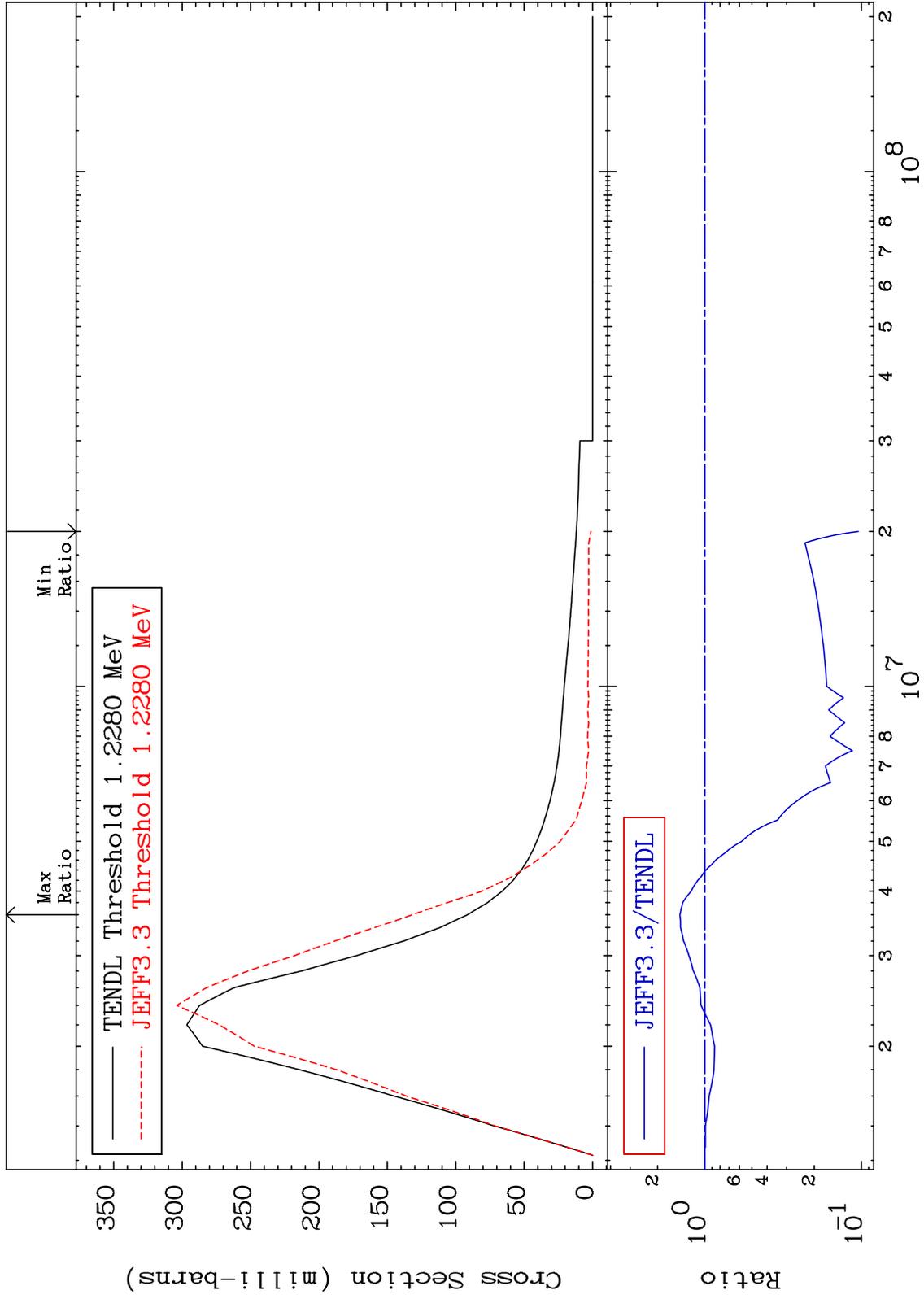
9

58-Ce-142

MAT 5843

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

58-Ce-142
-89.56 To 44.19 %



10

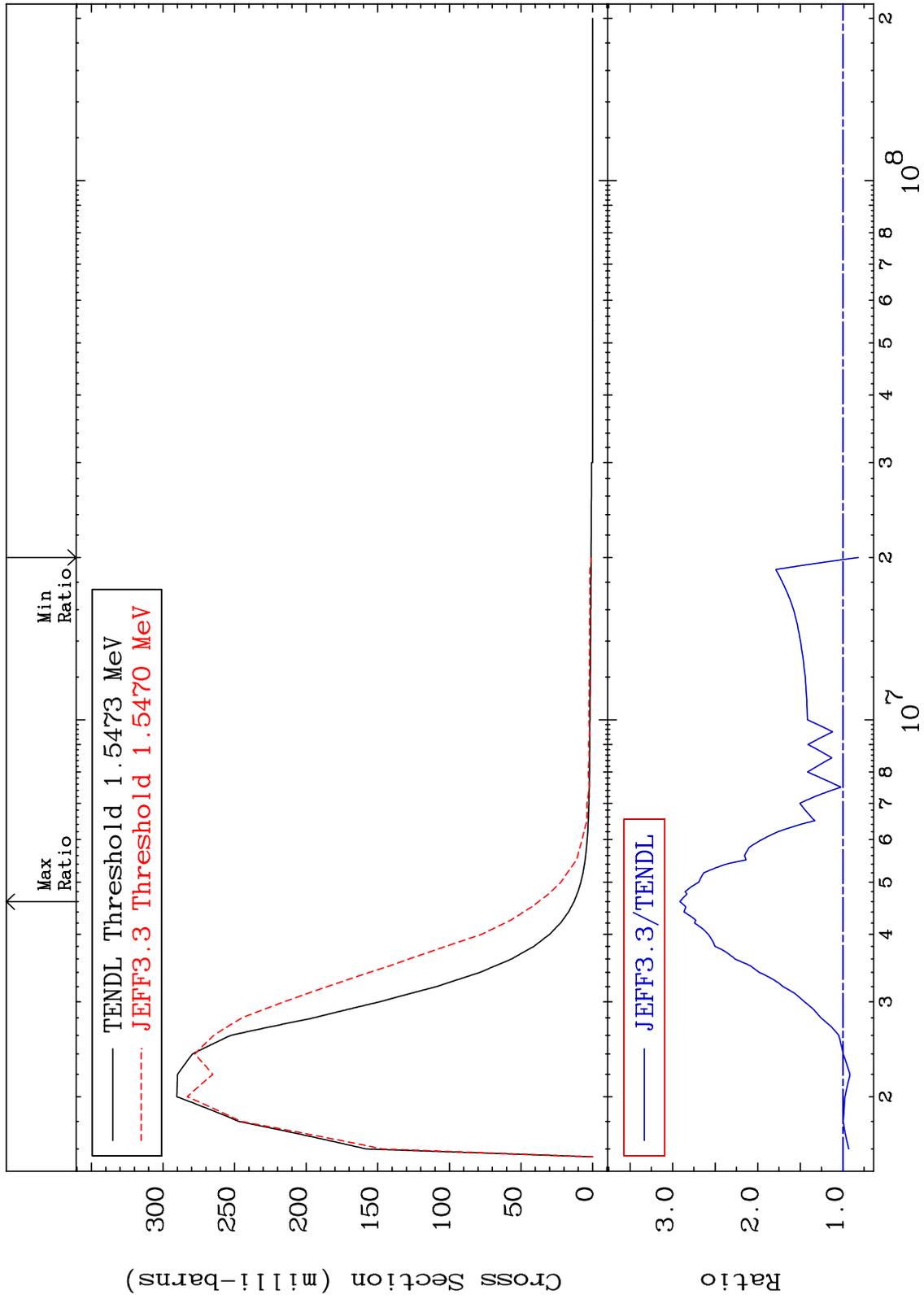
Incident Energy (eV)

58-Ce-142

MAT 5843

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

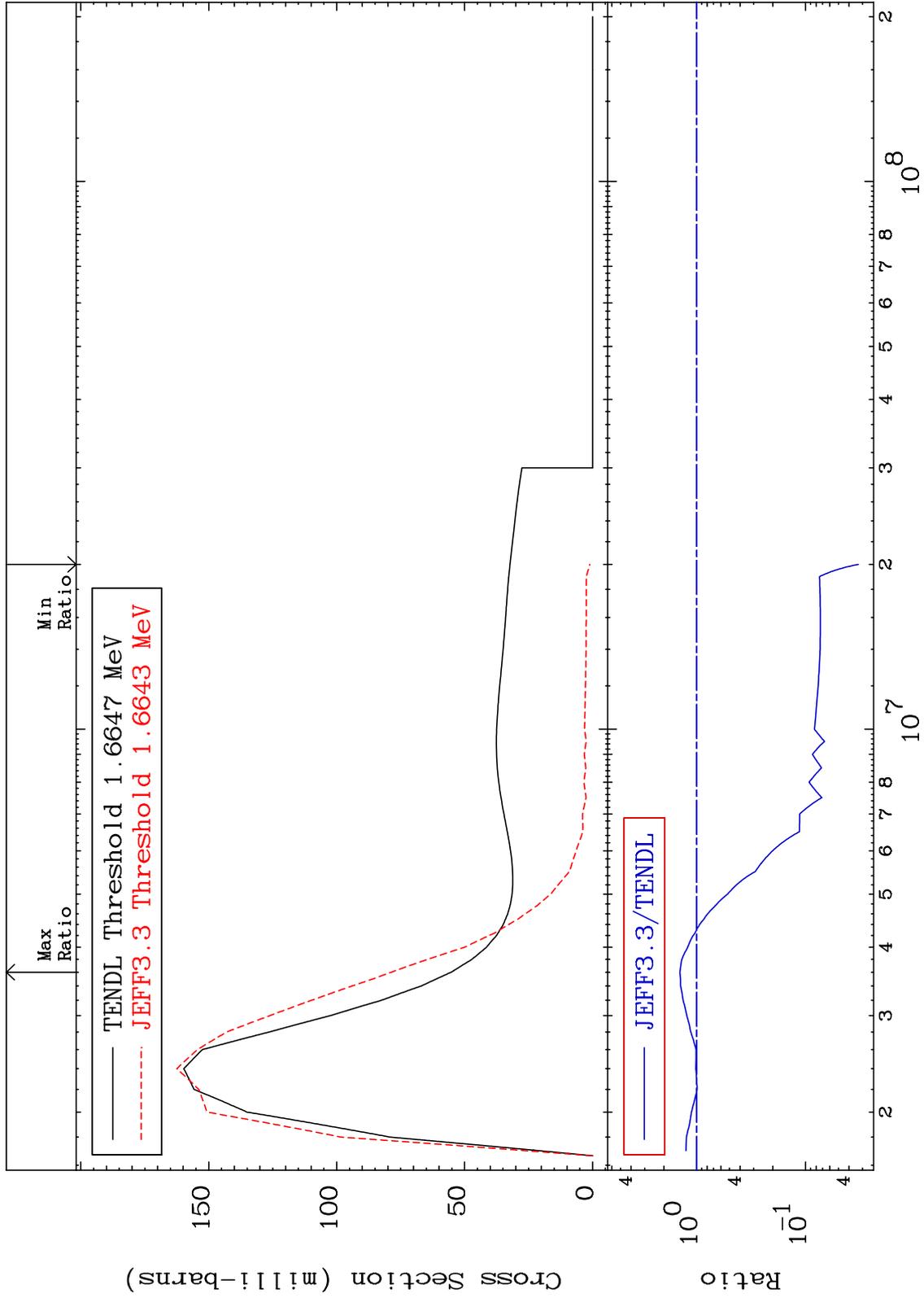
58-Ce-142
-18.36 To 191.3 %



MAT 5843

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

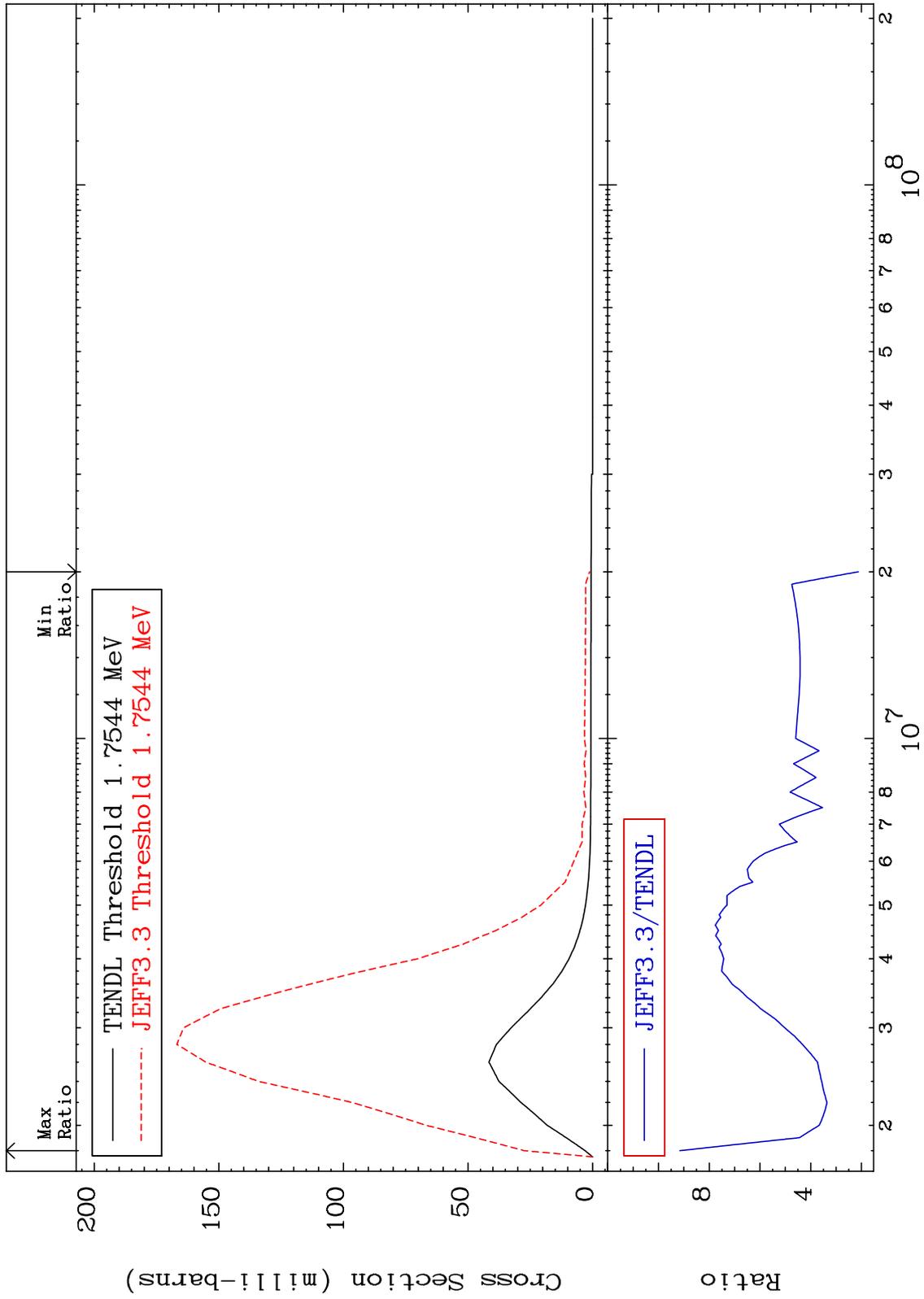
58-Ce-142
-96.72 To 42.37 %



MAT 5843

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

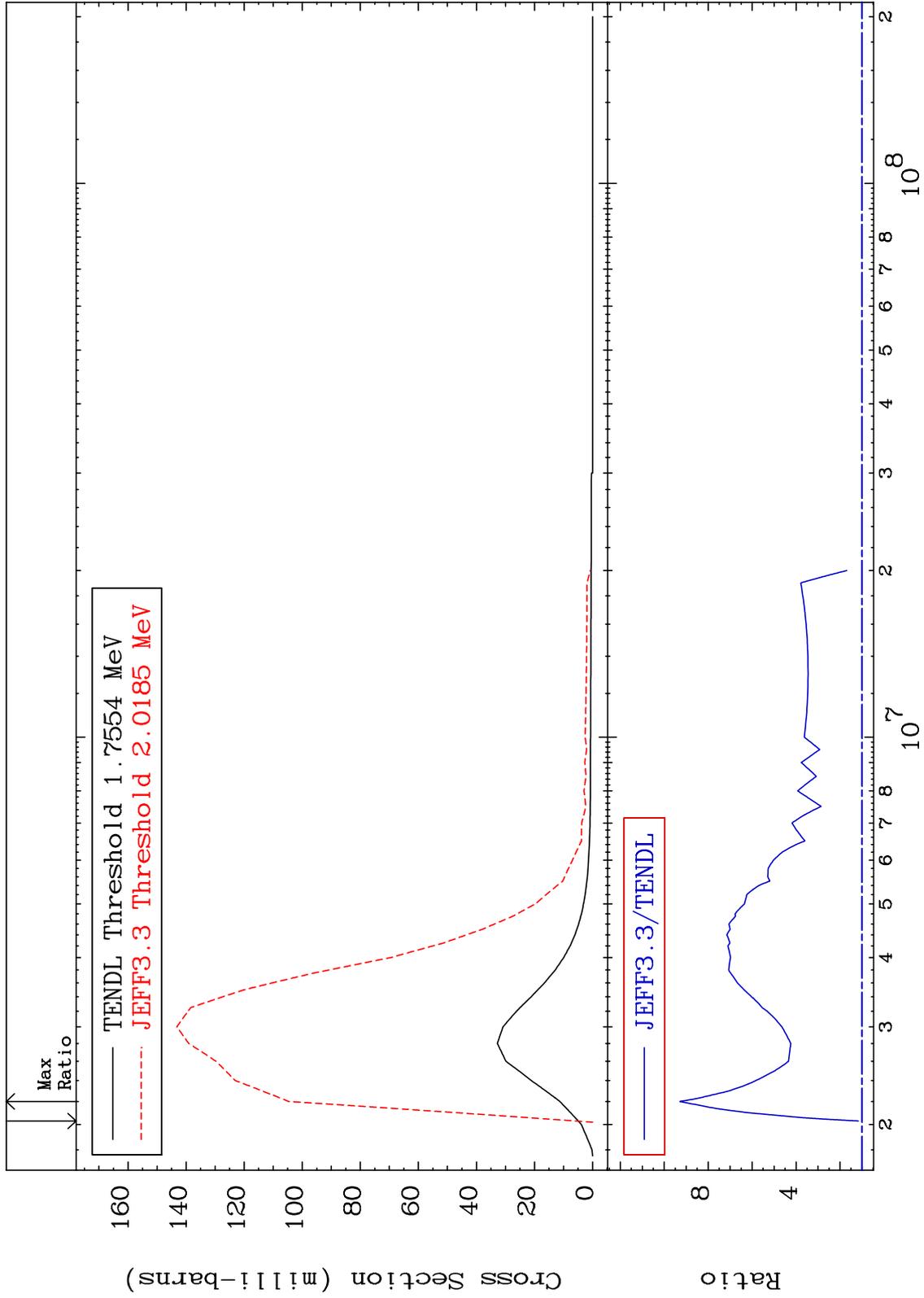
58-Ce-142
112.0 To 815.5 %



MAT 5843

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

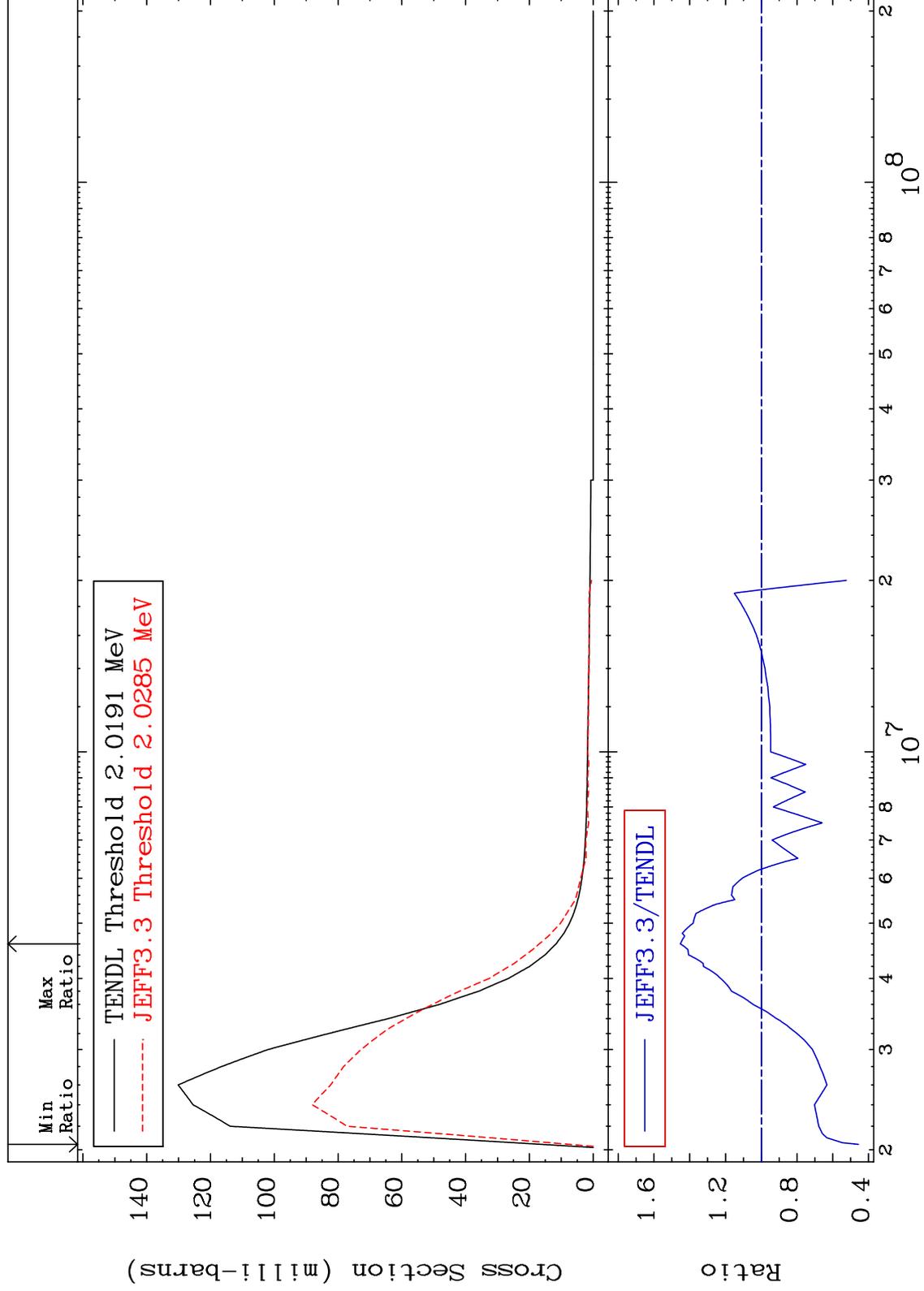
16.30 To 828.5 %
58-Ce-142



MAT 5843

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

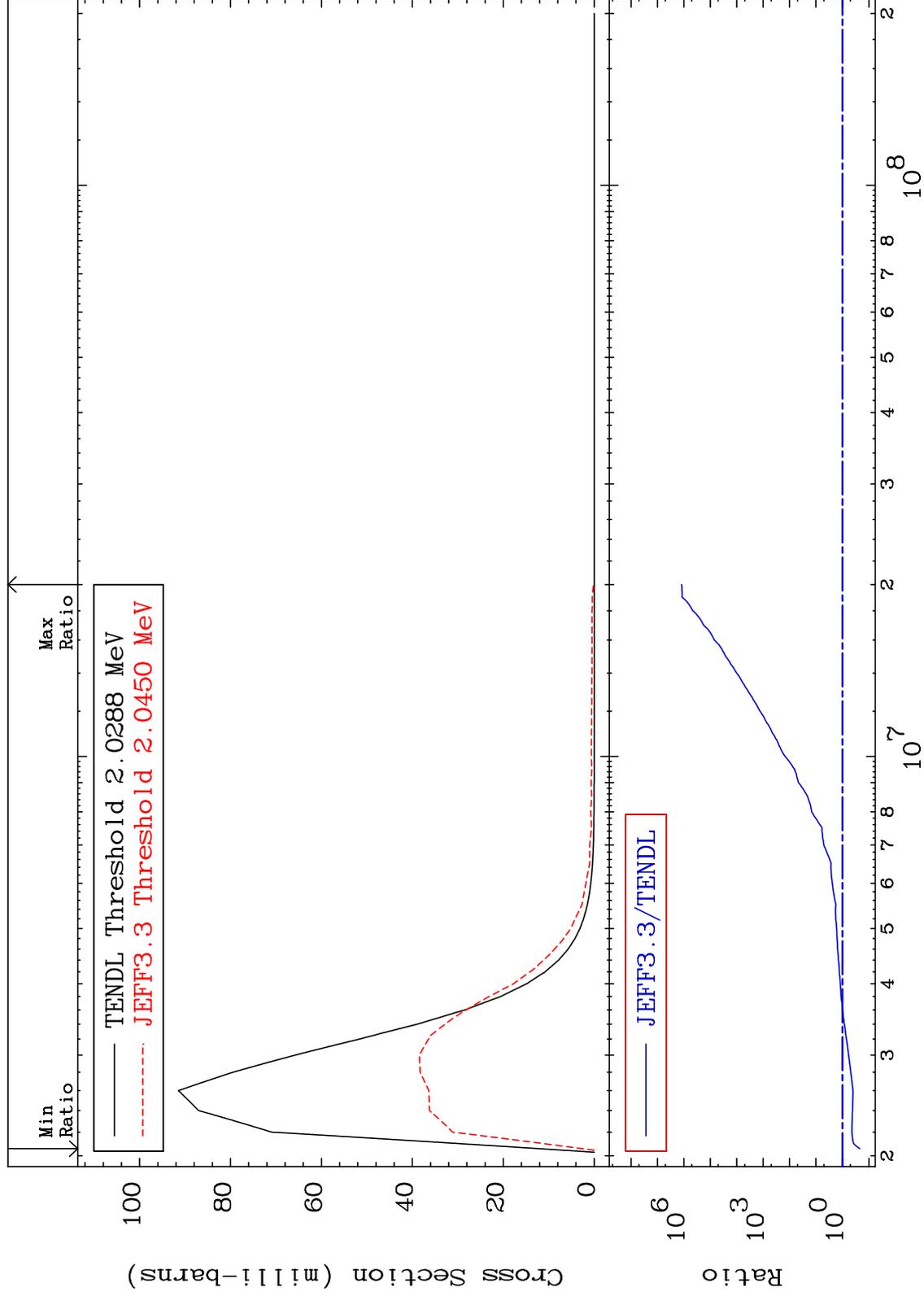
58-Ce-142
-54.38 To 45.24 %



MAT 5843

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

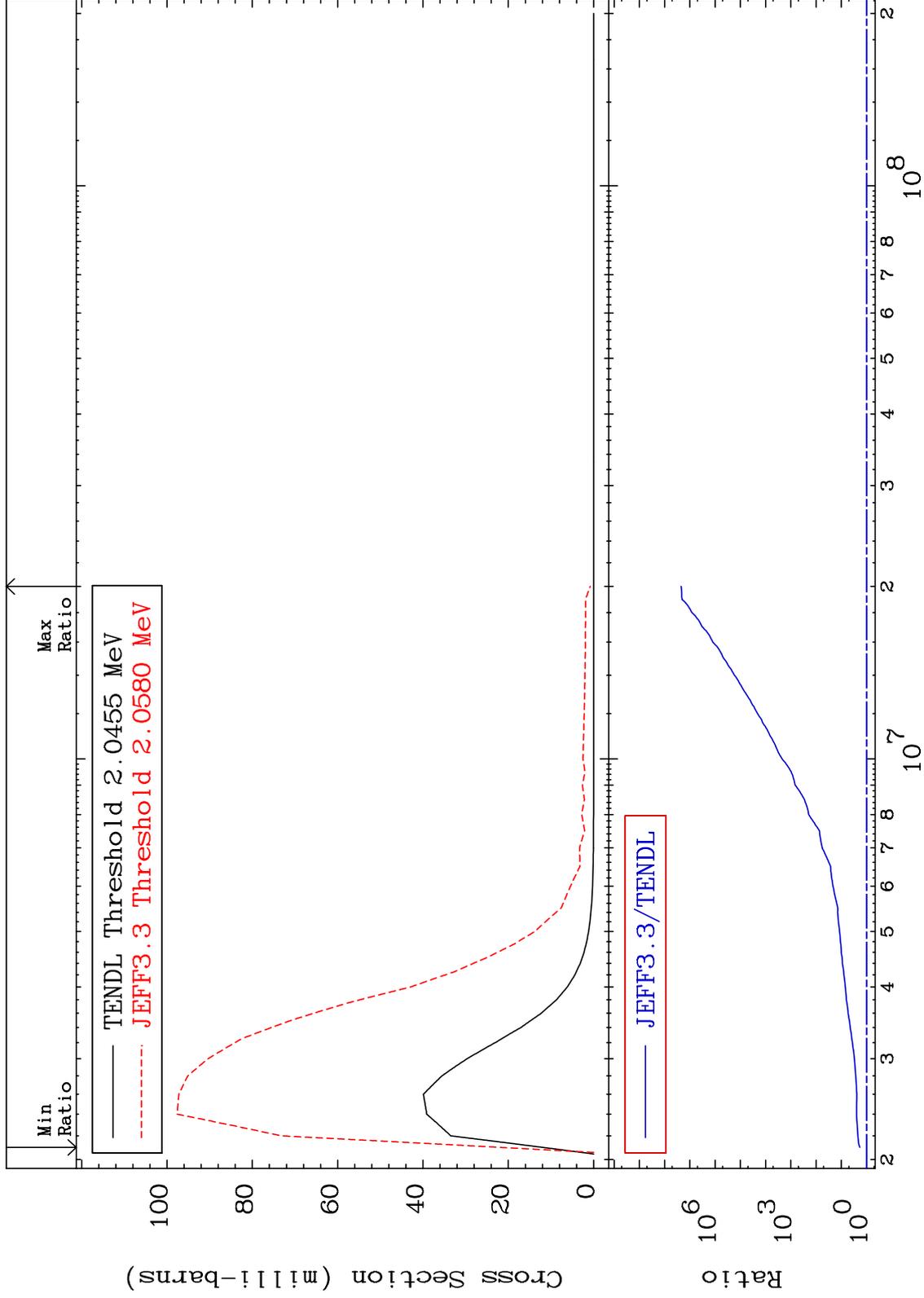
58-Ce-142
-78.44 To 9999. %



MAT 5843

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

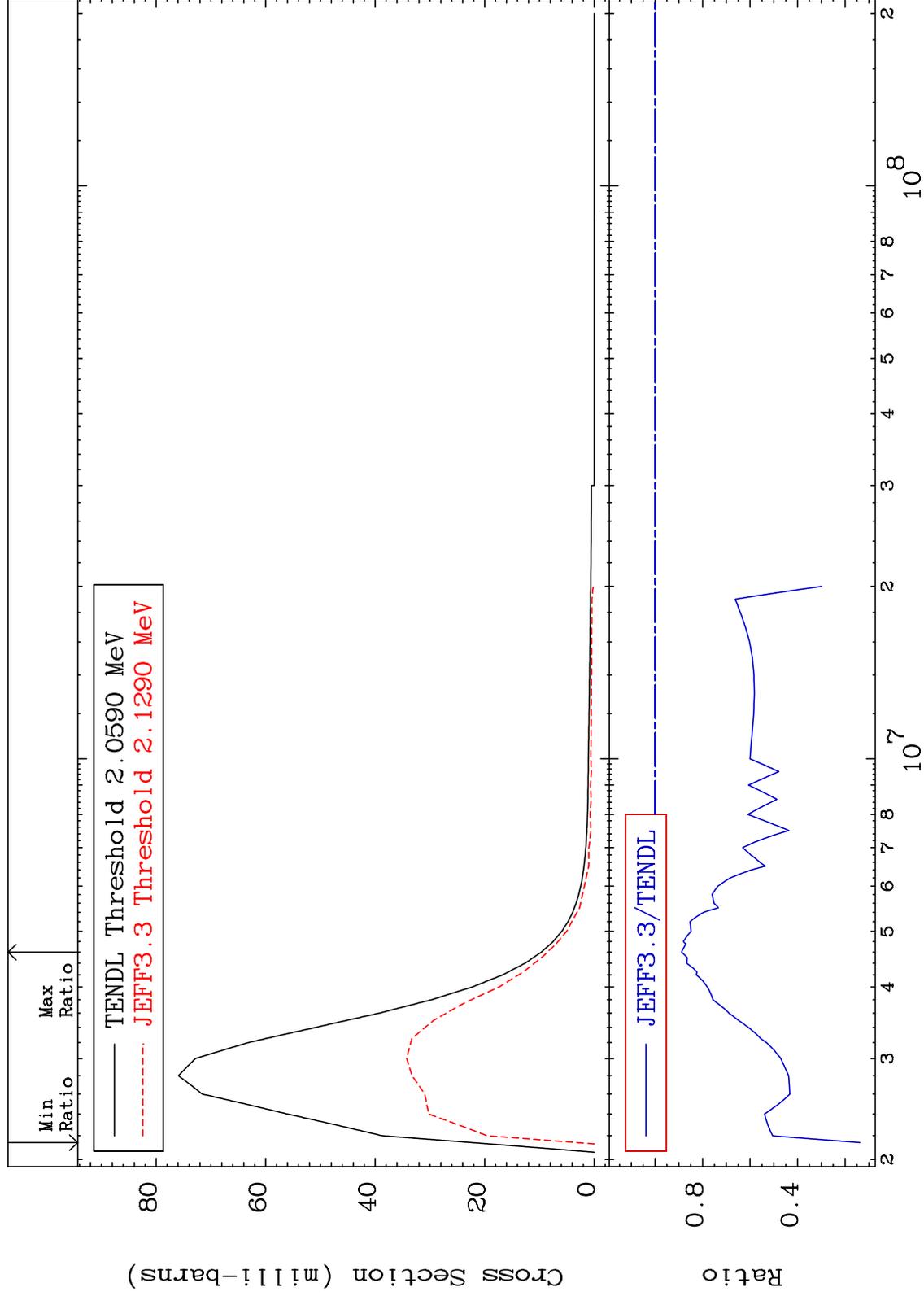
58-Ce-142
83.11 To 9999. %



MAT 5843

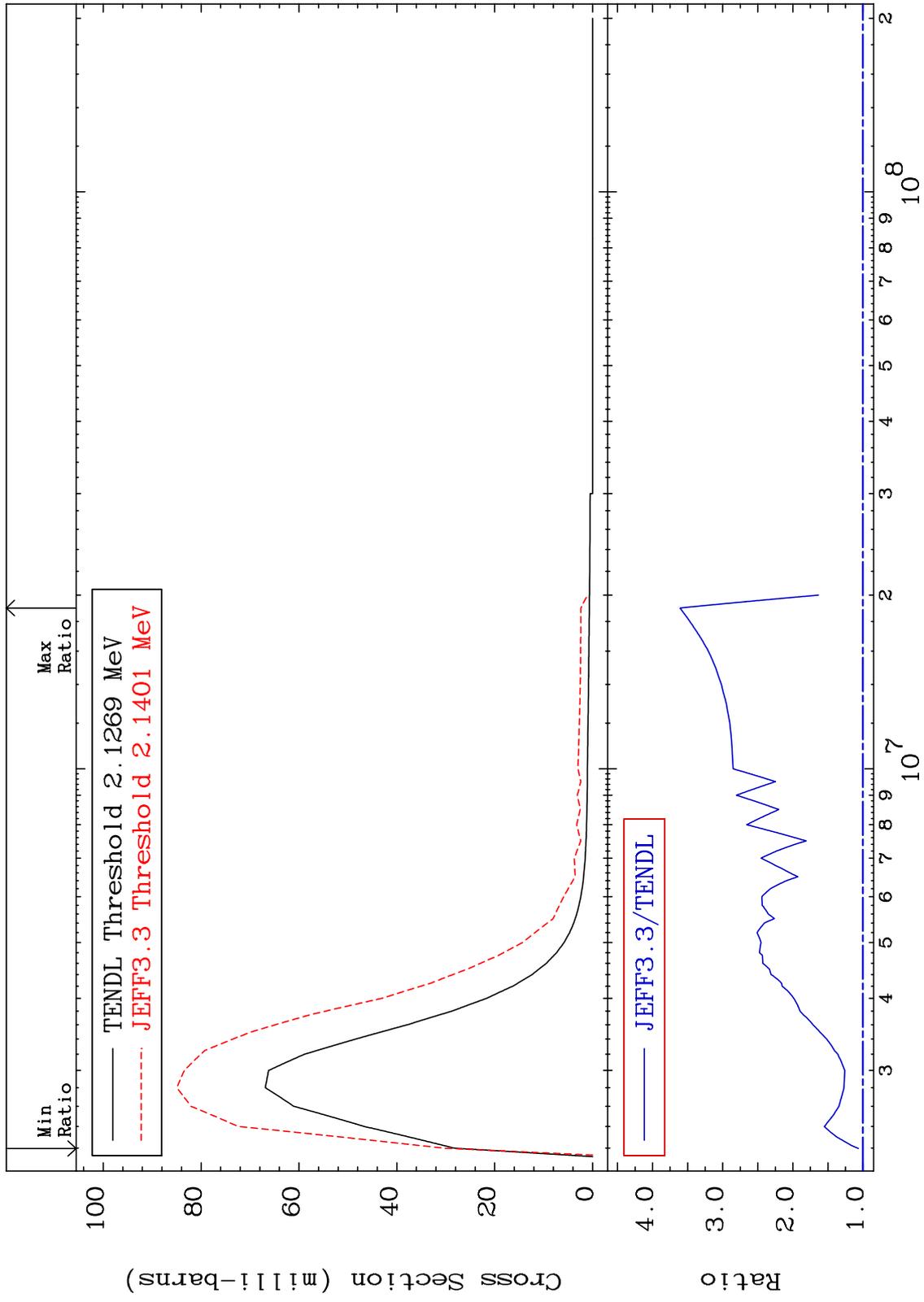
MT= 60 (n,n') Level
Cross Section

58-Ce-142
-86.29 To -11.16%



18

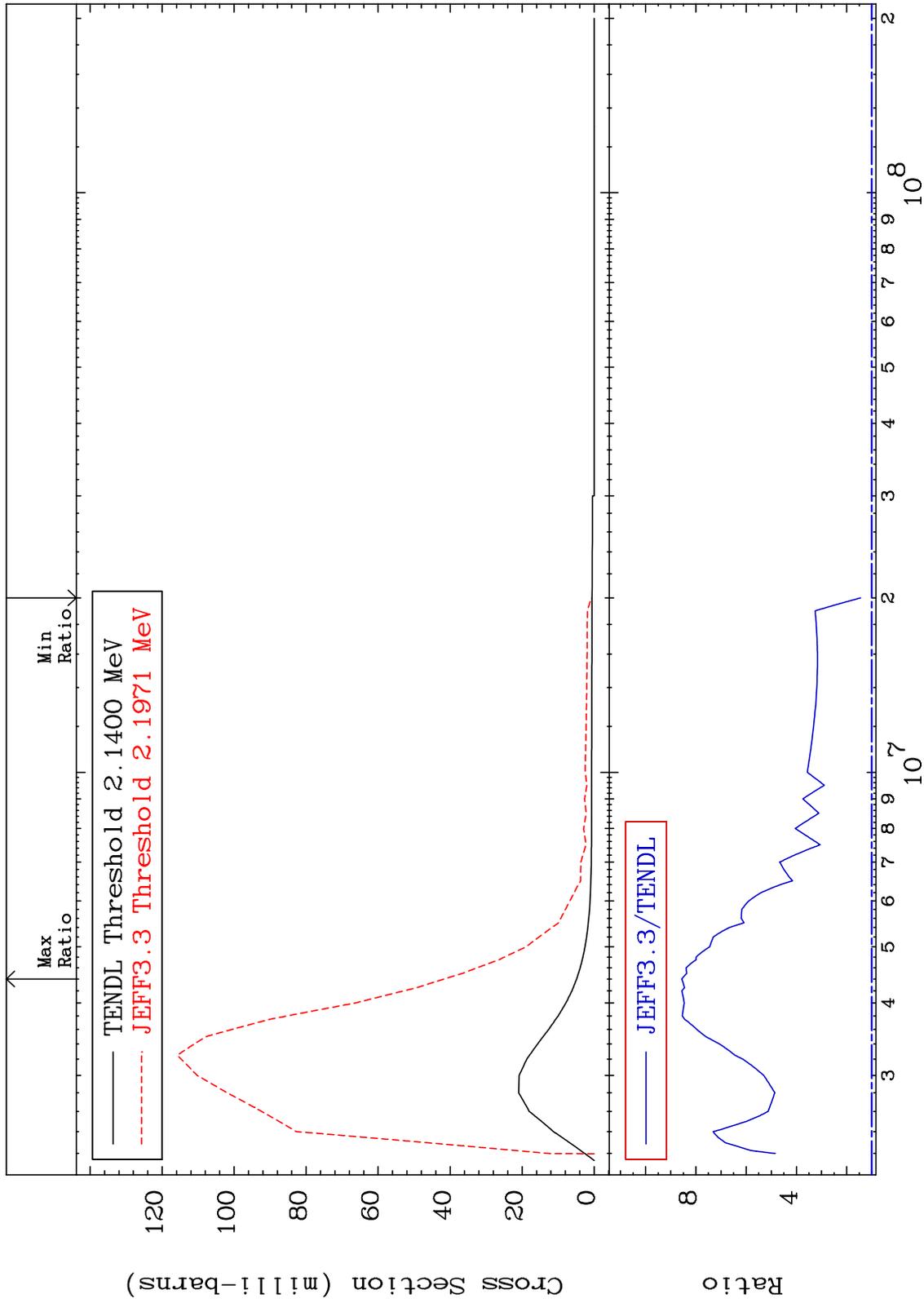
MAT 5843 MT= 61 (n,n') Level Cross Section 58-Ce-142 To 261.0 %
 6.584



MAT 5843

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

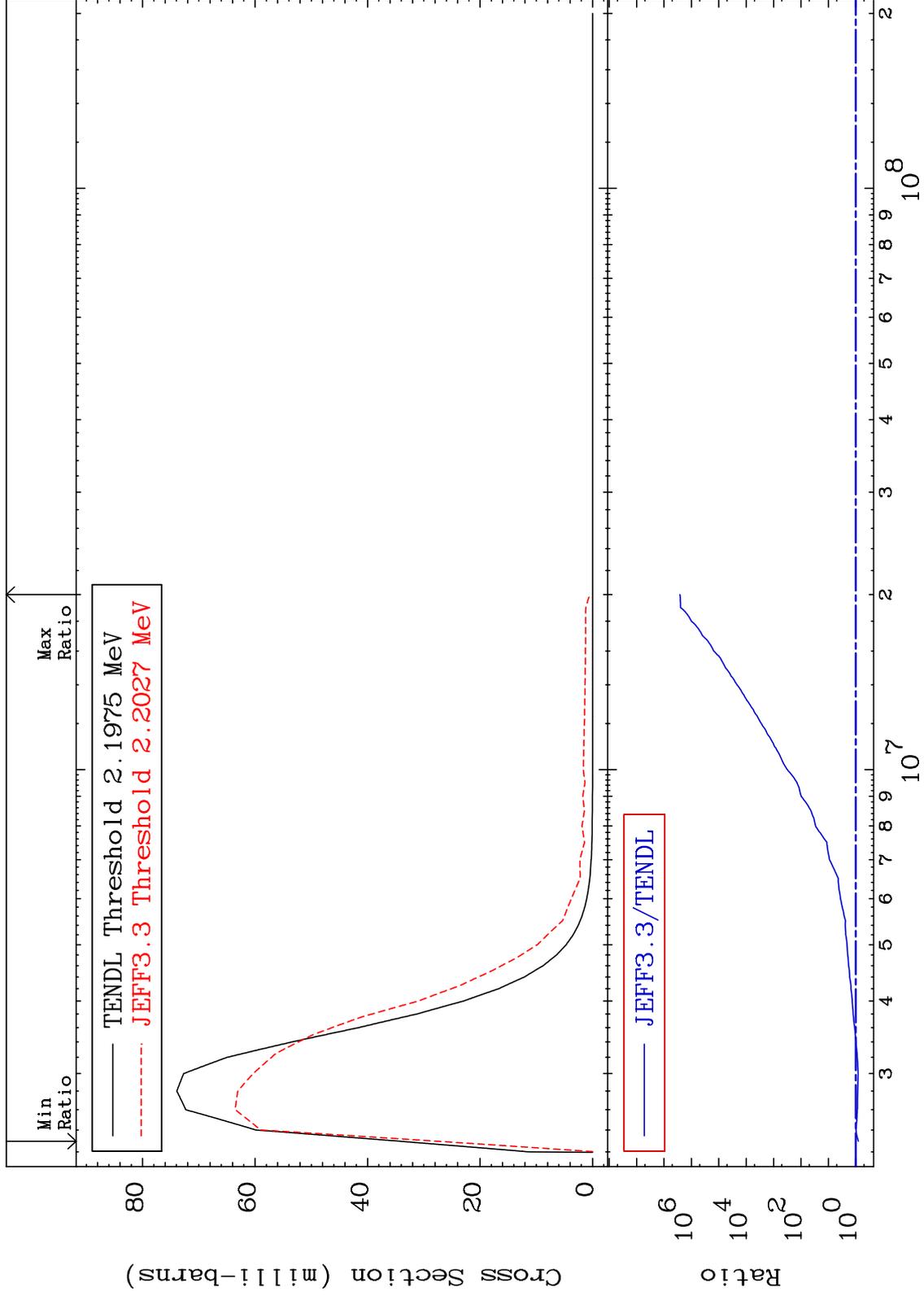
58-Ce-142
44.34 To 756.3 %



MAT 5843

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

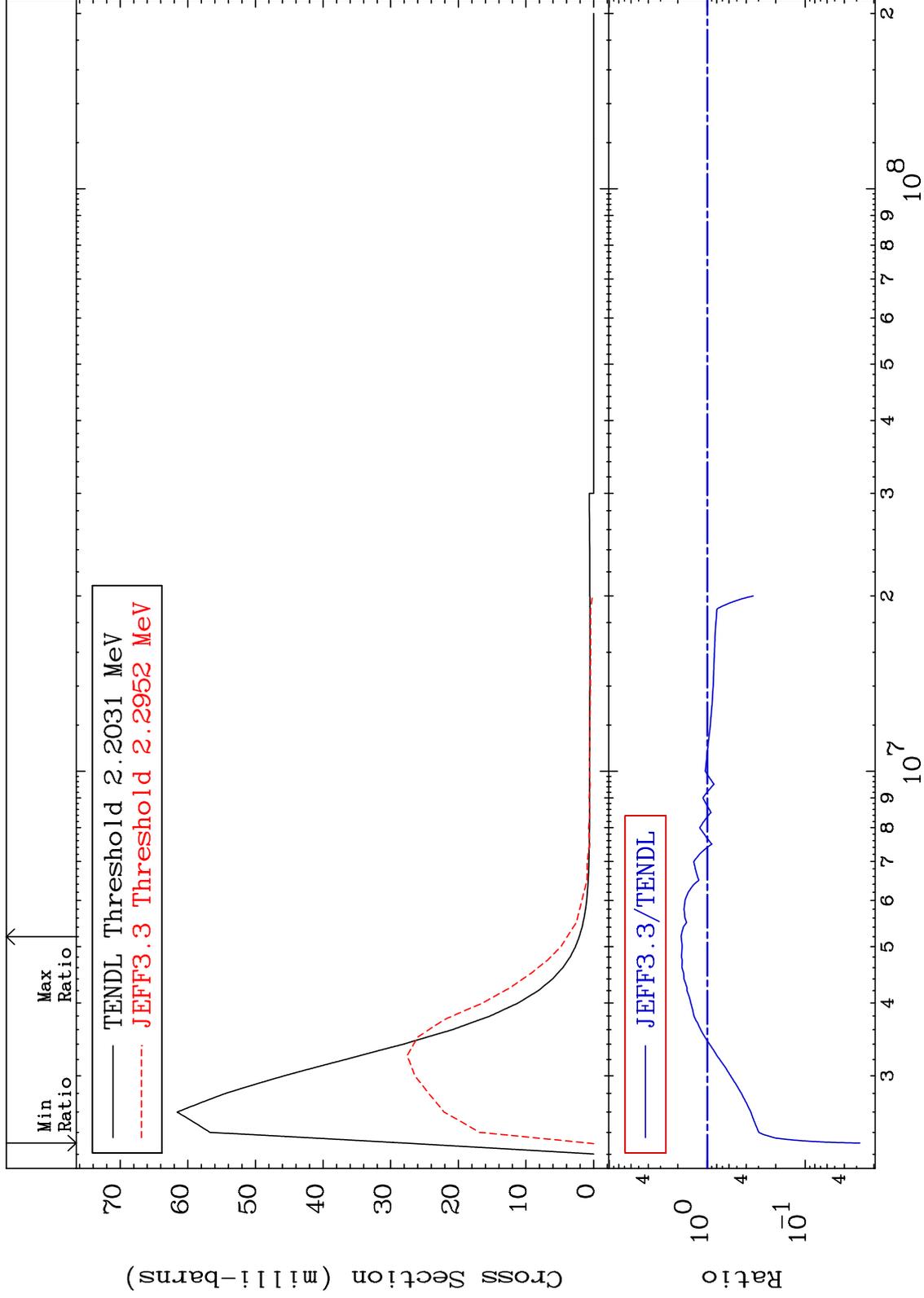
58-Ce-142
-19.43 To 9999. %



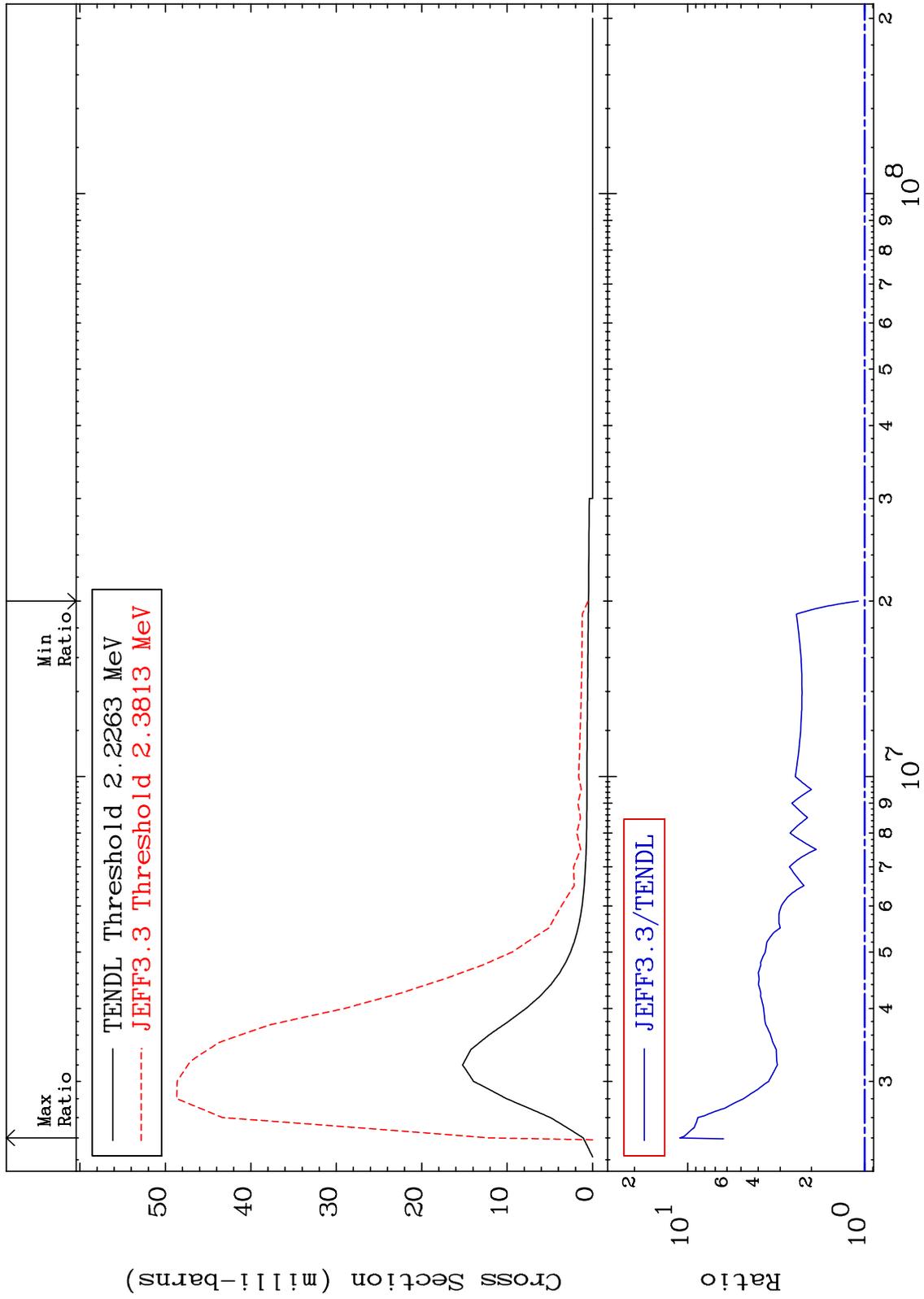
MAT 5843

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

58-Ce-142
-97.23 To 84.51 %



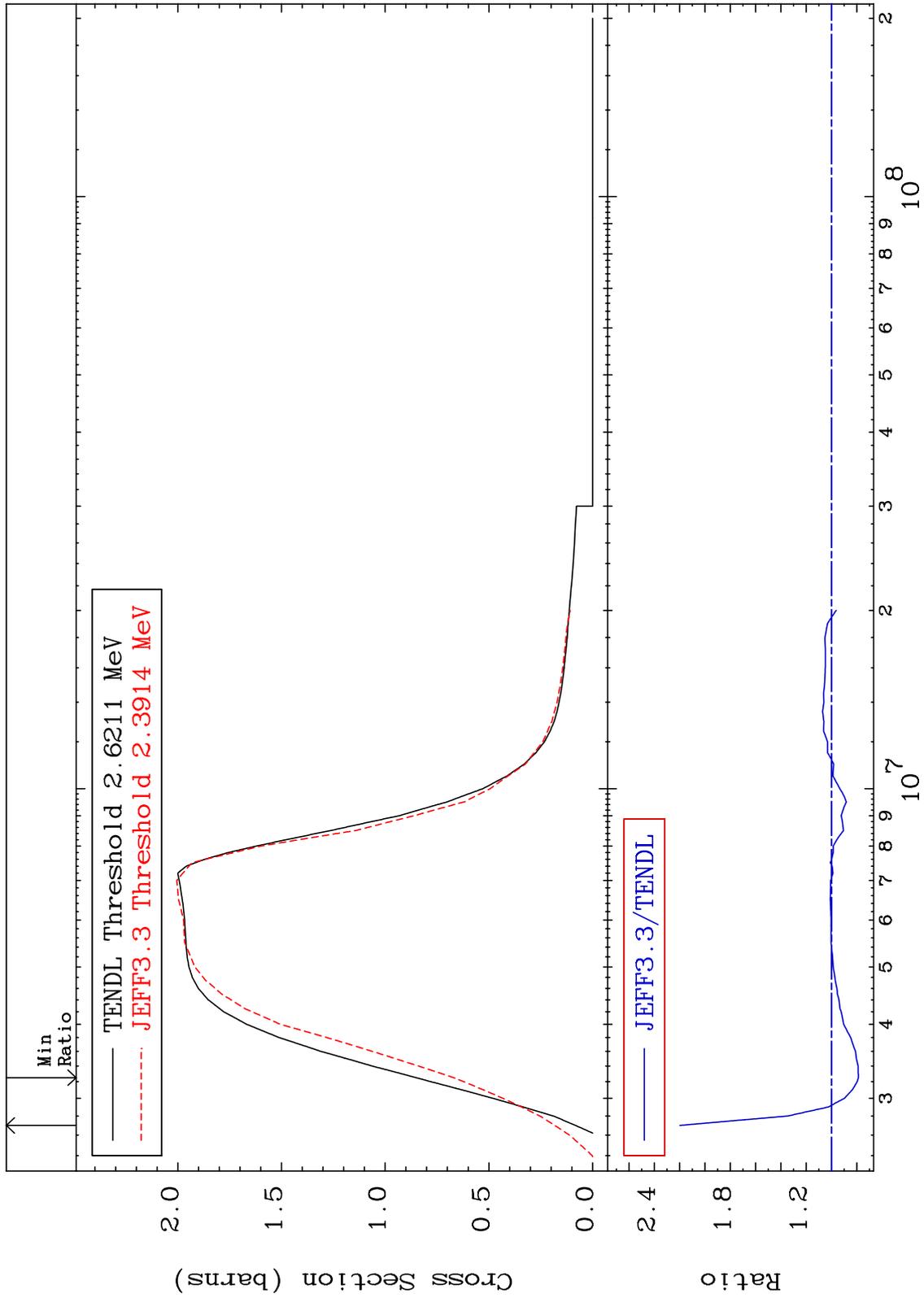
MAT 5843 MT= 65 (n,n') Level Cross Section 58-Ce-142 To 1006. %
 8.561



MAT 5843

(n, n') Continuum
Cross Section

58-Ce-142
-21.30 To 119.8 %



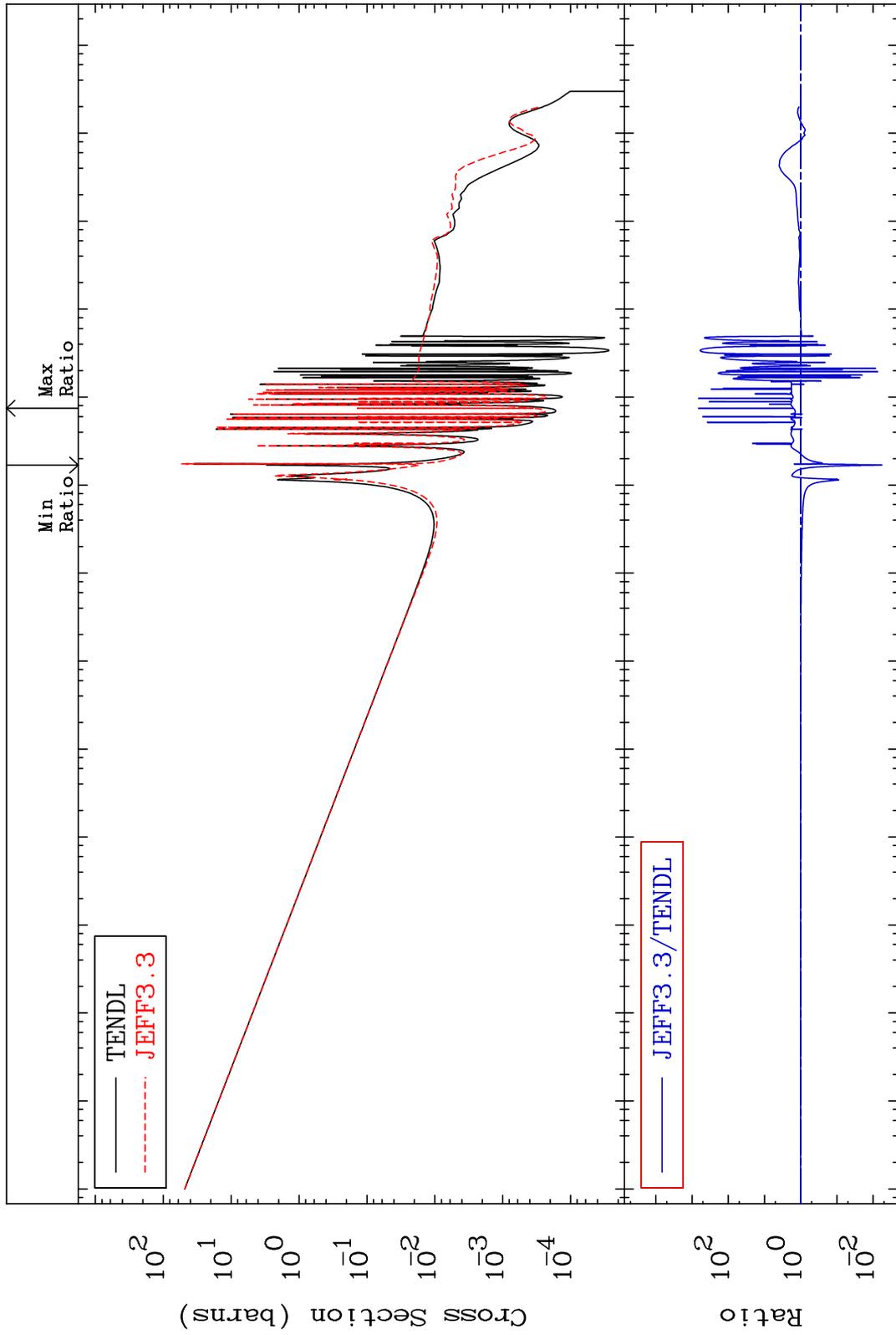
MAT 5843

(n, γ)

58-Ce-142

Cross Section

-99.43 To 9999. %



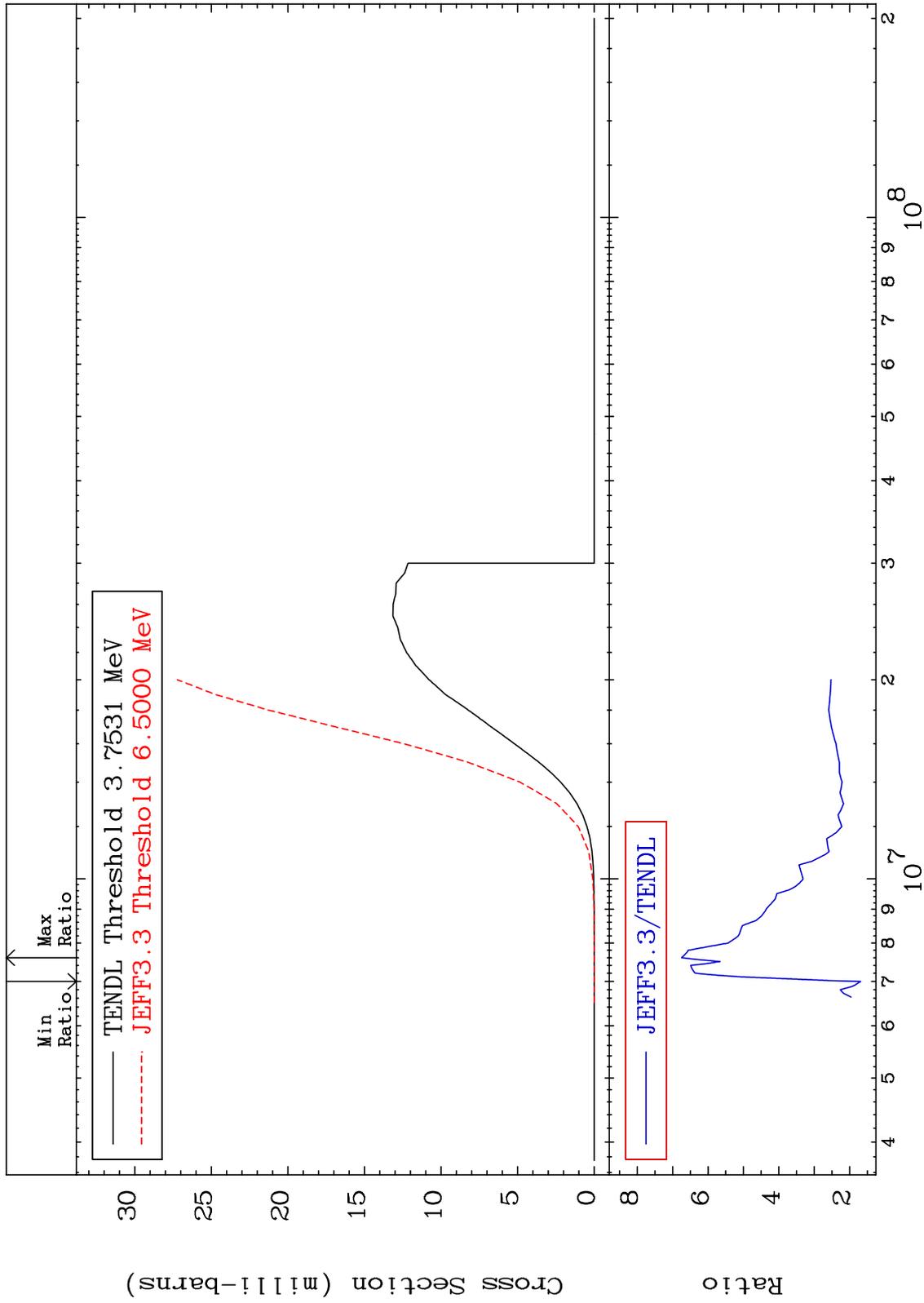
MAT 5843

(n, p)

58-Ce-142

Cross Section

68.80 To 574.3 %



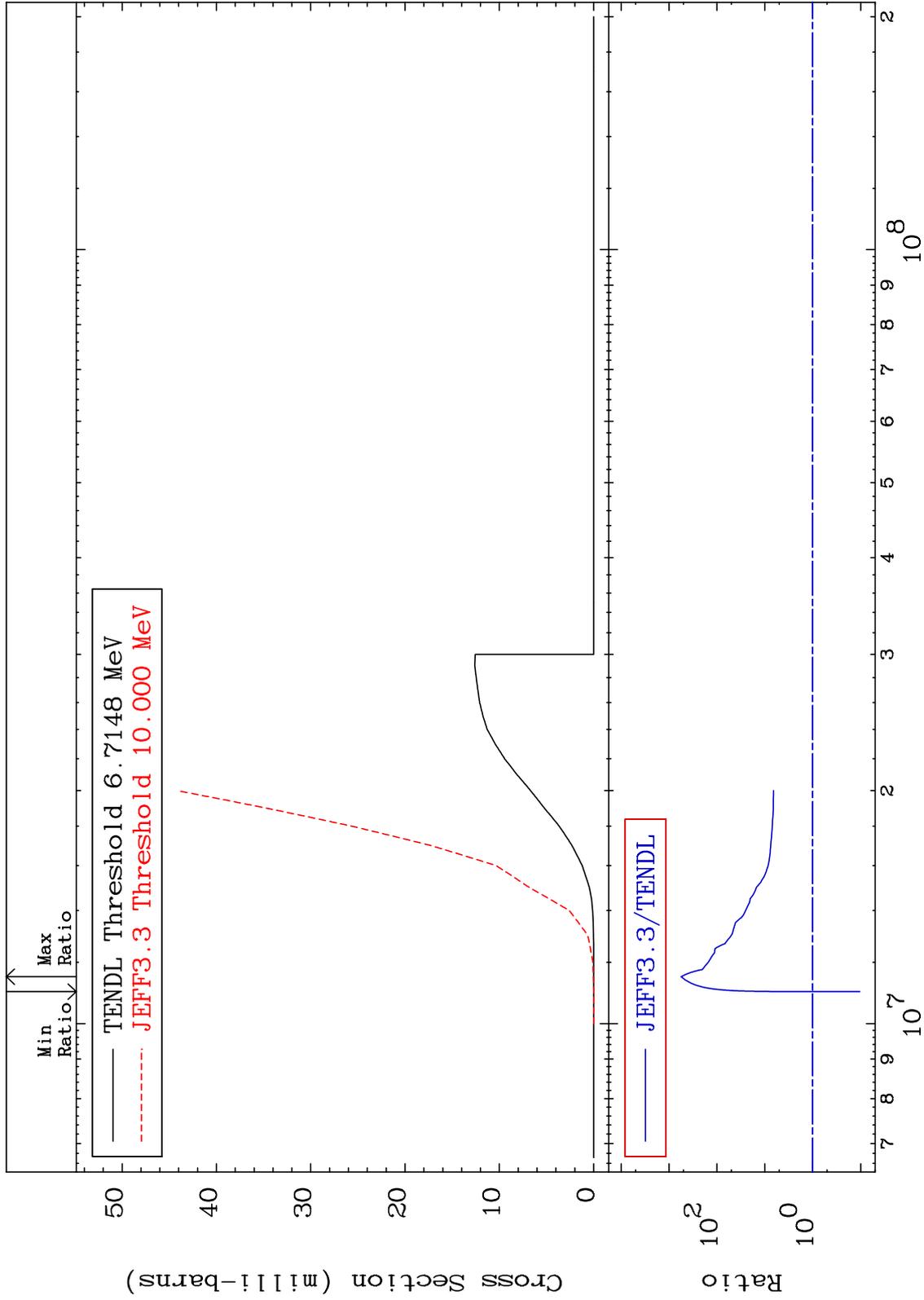
MAT 5843

(n, d)

58-Ce-142

Cross Section

-89.64 To 9999. %



27

58-Ce-142

58-Ce-142

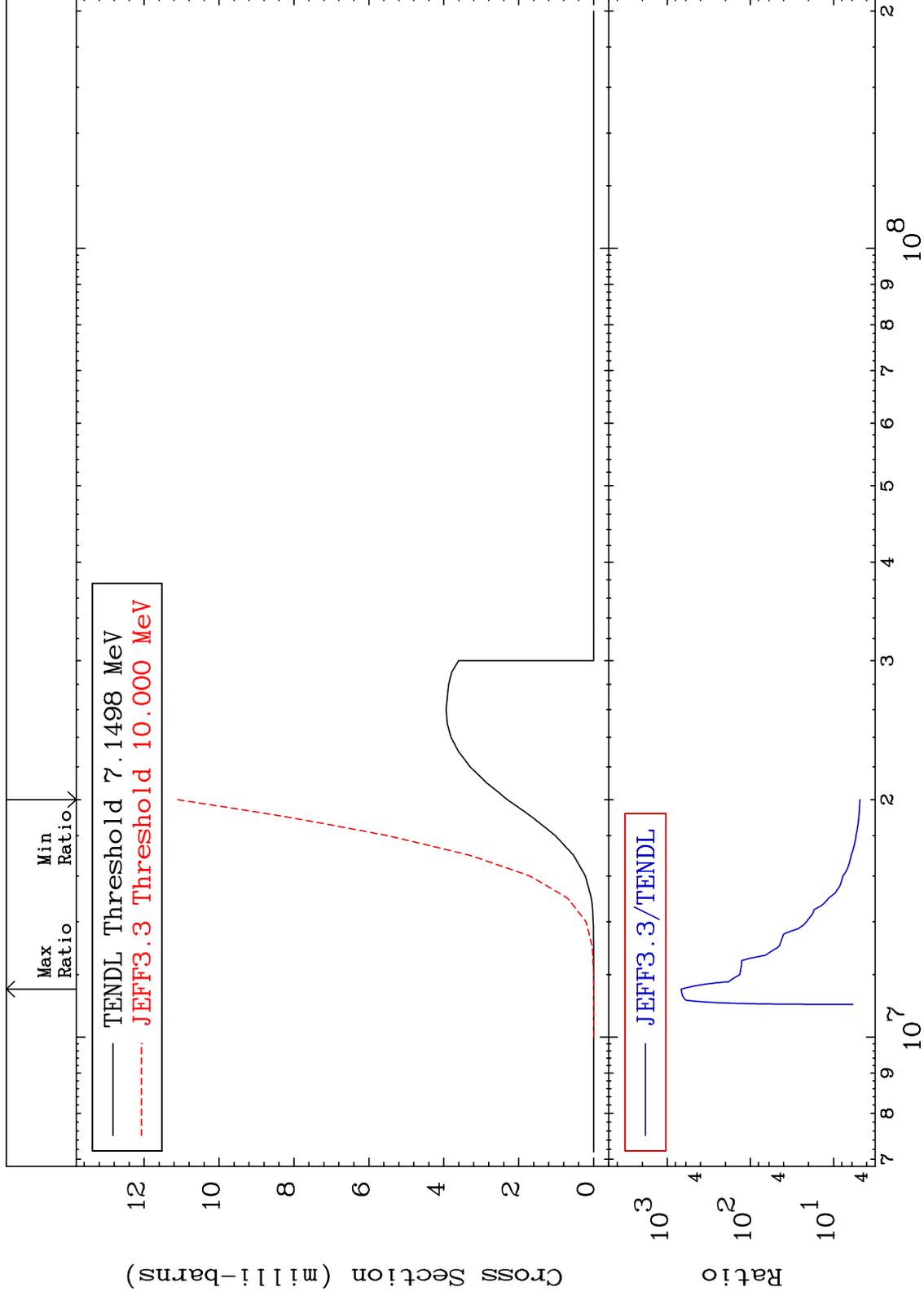
MAT 5843

(n, t)

58-Ce-142

Cross Section

382.2 To 9999. %



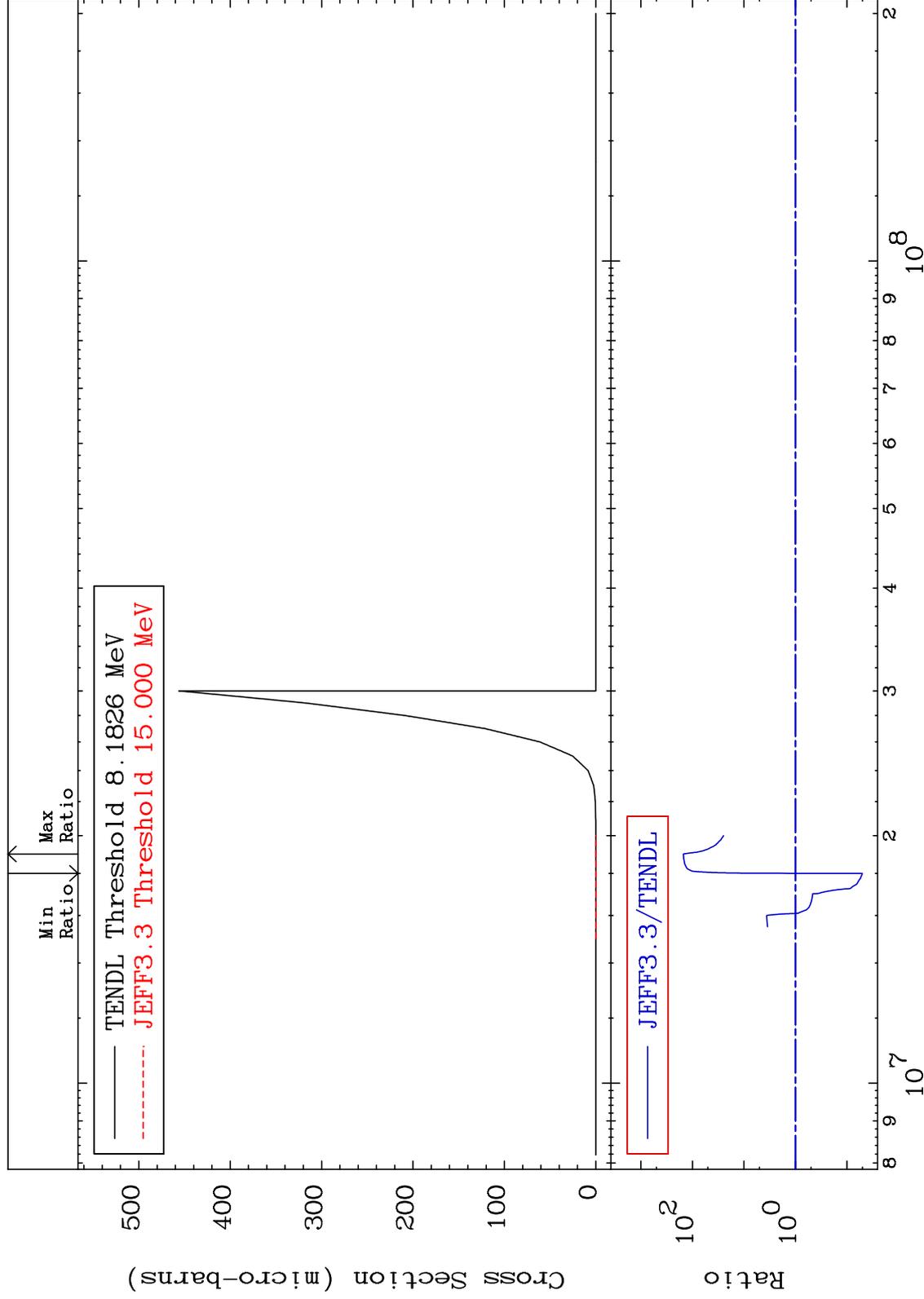
MAT 5843

(n, He-3)

58-Ce-142

Cross Section

-94.95 To 9999. %



29

Incident Energy (eV)

58-Ce-142

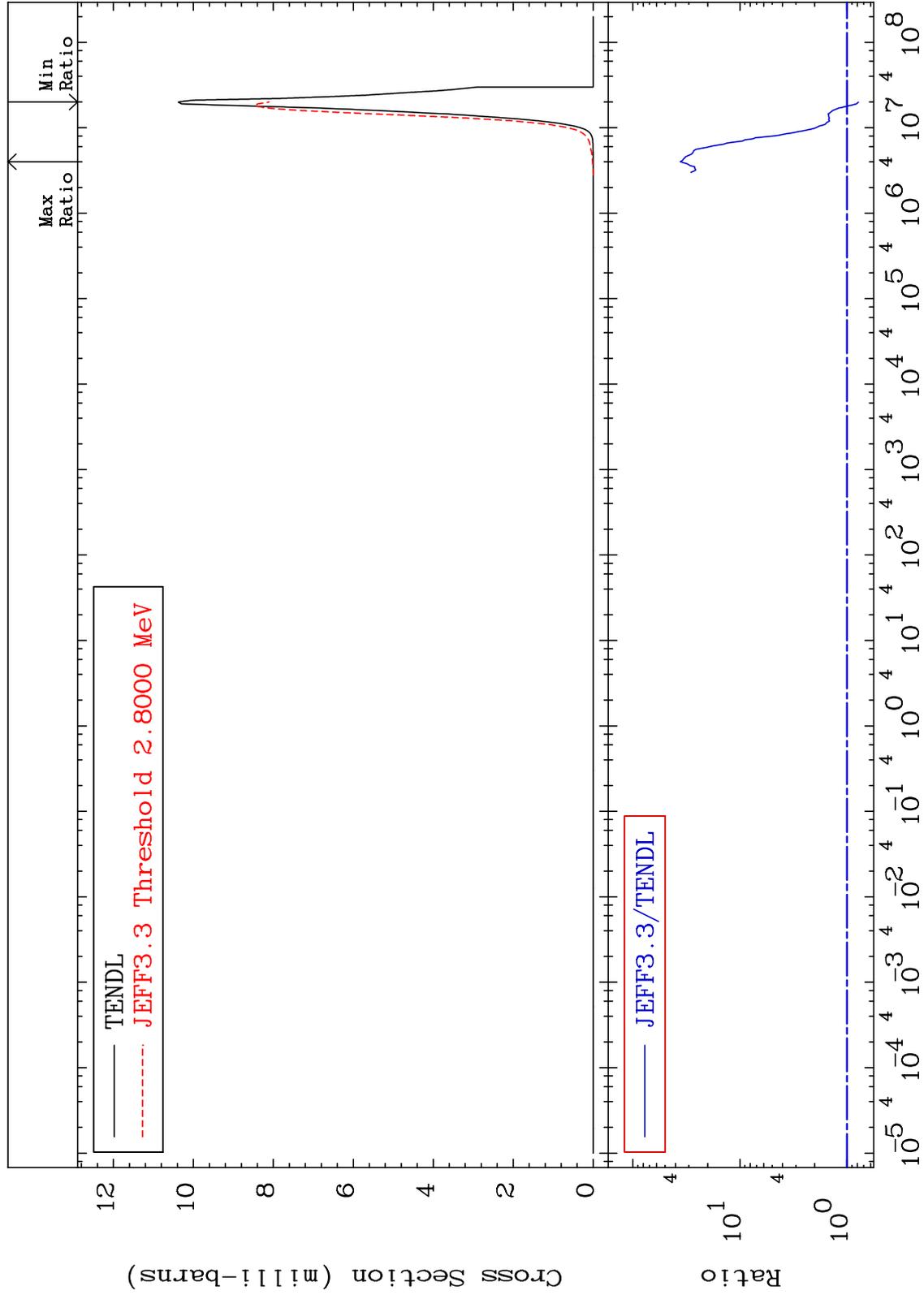
MAT 5843

(n, α)

58-Ce-142

Cross Section

-21.92 To 3501. %



30

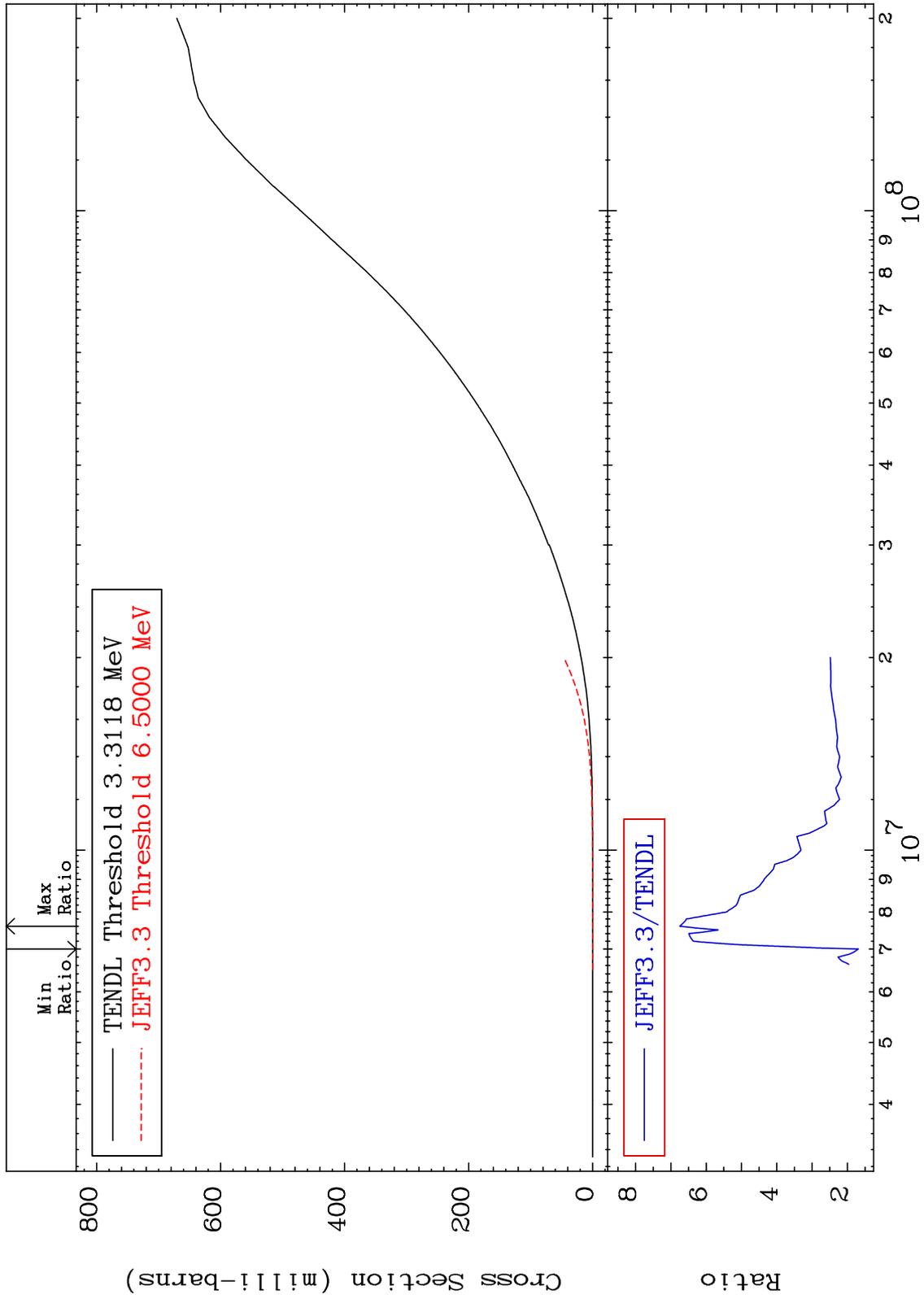
Incident Energy (eV)

58-Ce-142

MAT 5843

Hydrogen Production
Cross Section

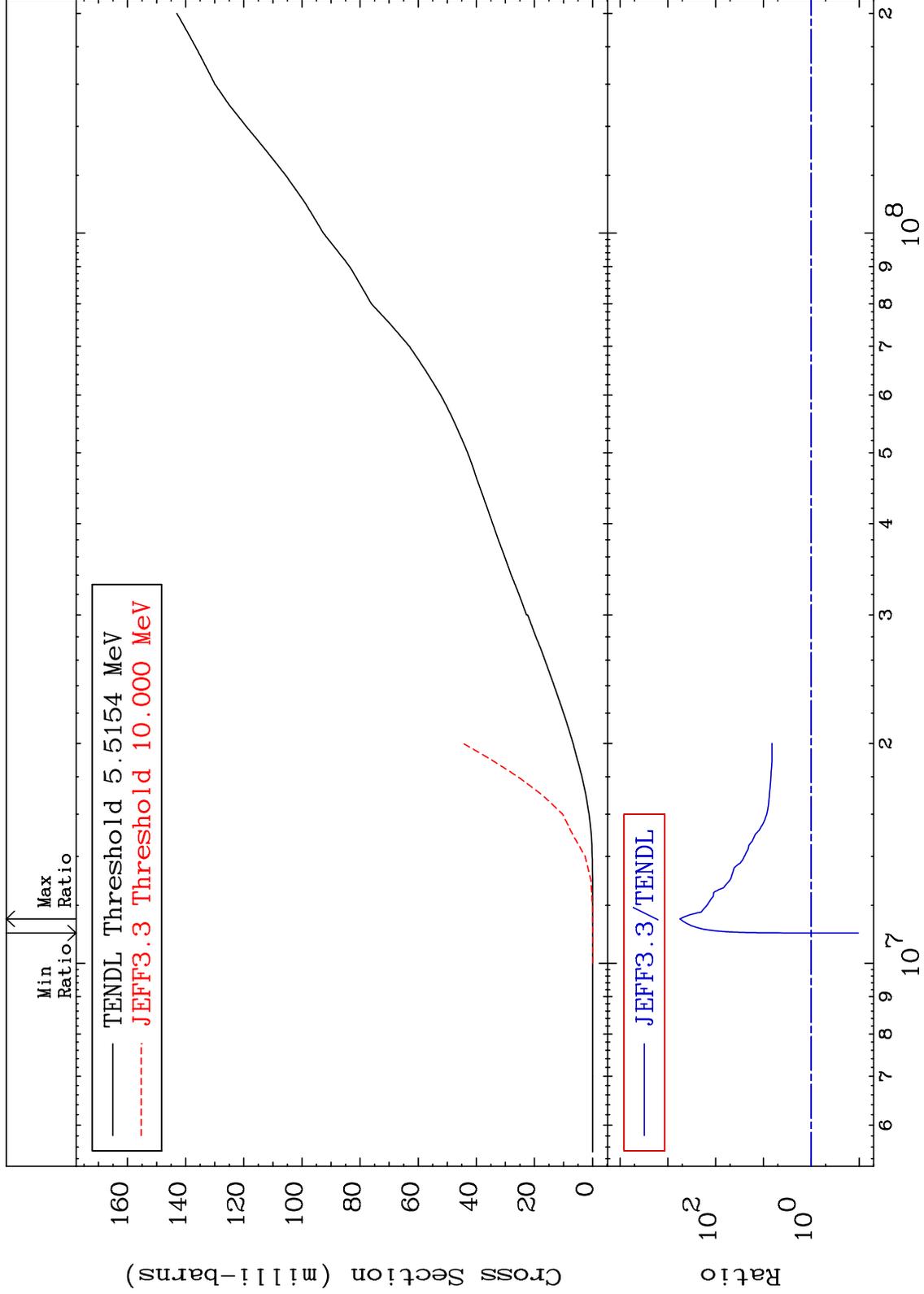
58-Ce-142
68.80 To 574.3 %



MAT 5843

Deuterium Production
Cross Section

58-Ce-142
-89.64 To 9999. %



32

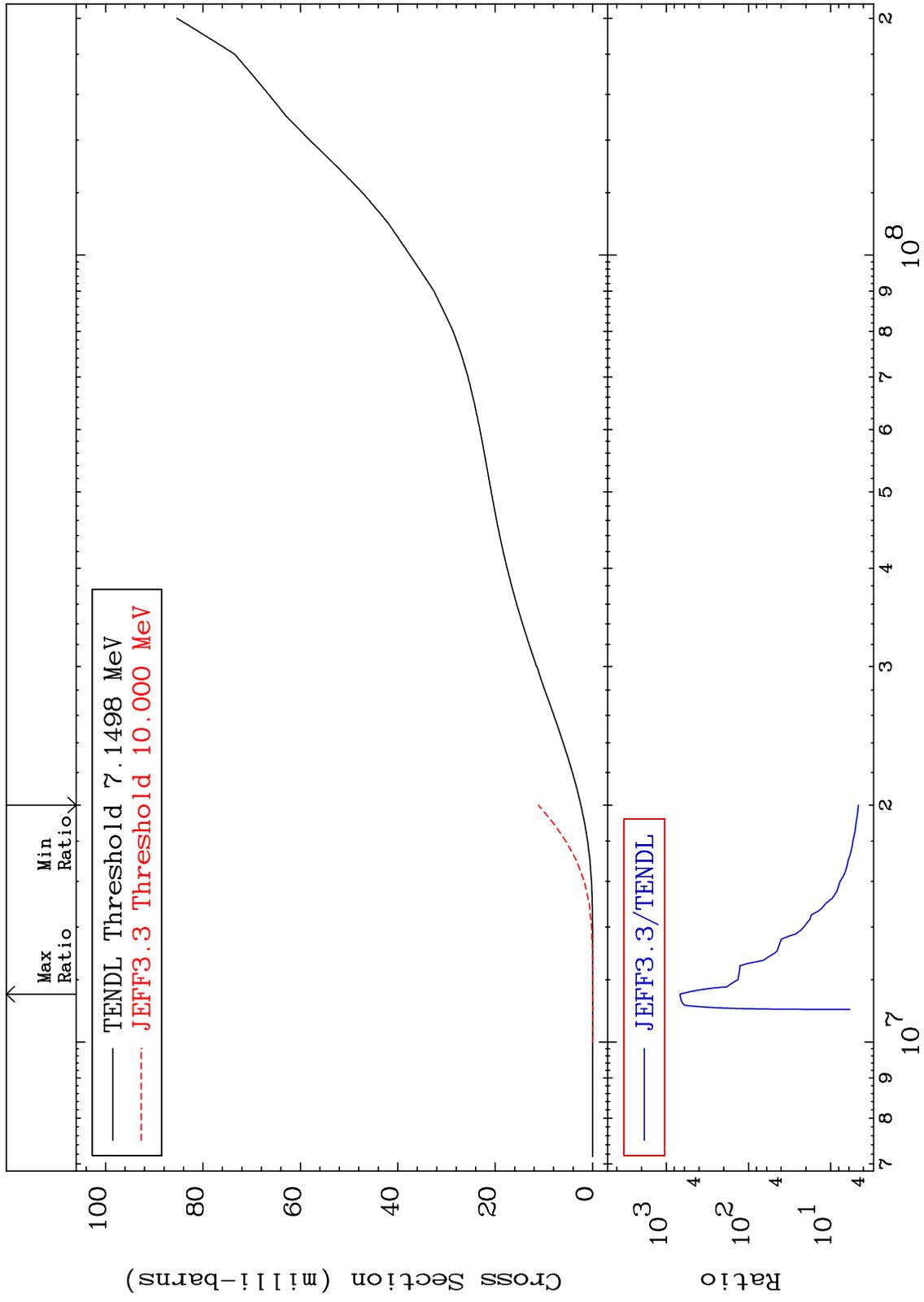
Incident Energy (eV)

58-Ce-142

MAT 5843

Tritium Production
Cross Section

58-Ce-142
360.2 To 9999. %



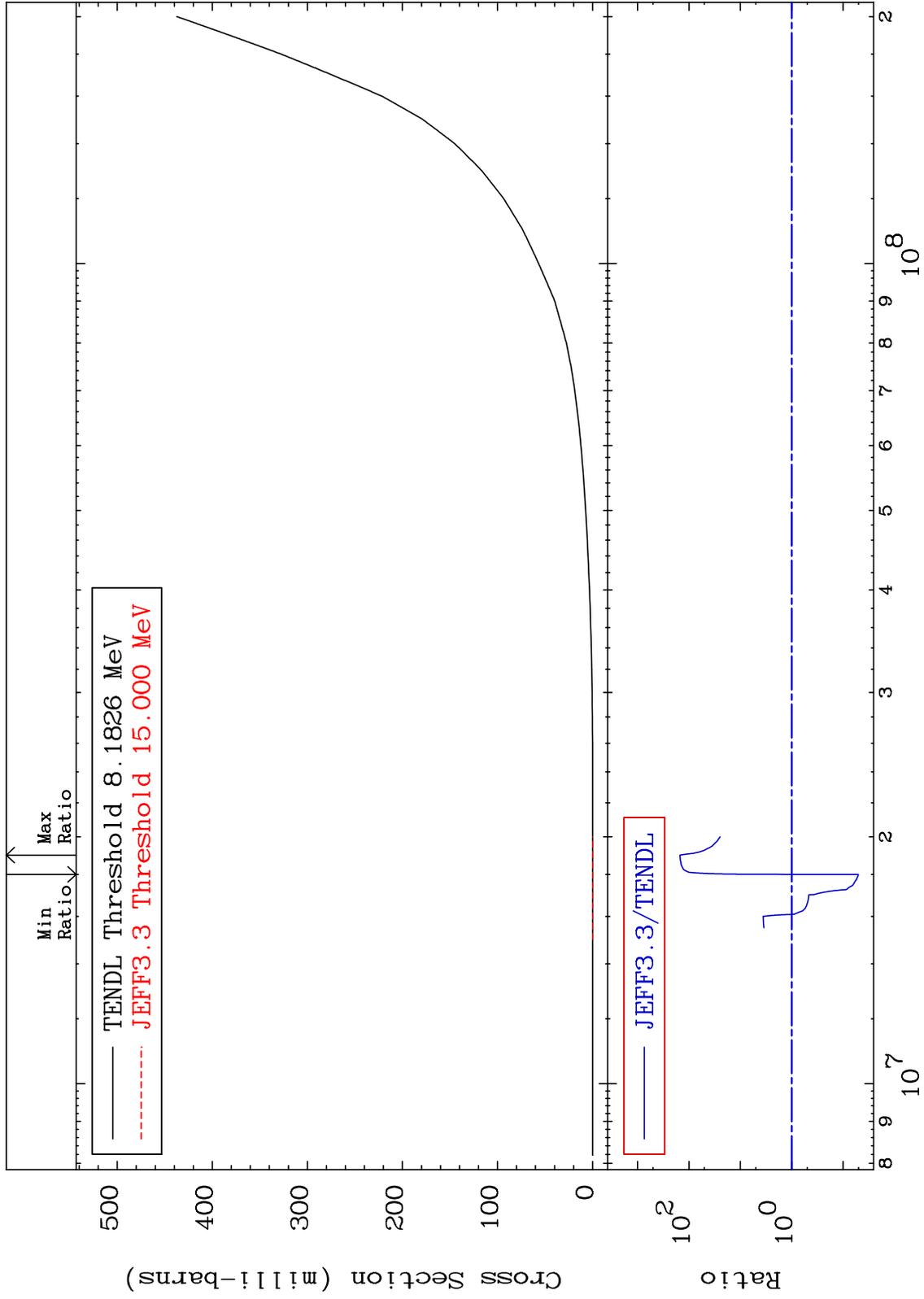
Incident Energy (eV)

58-Ce-142

MAT 5843

He-3 Production
Cross Section

58-Ce-142
-94.95 To 9999. %



34

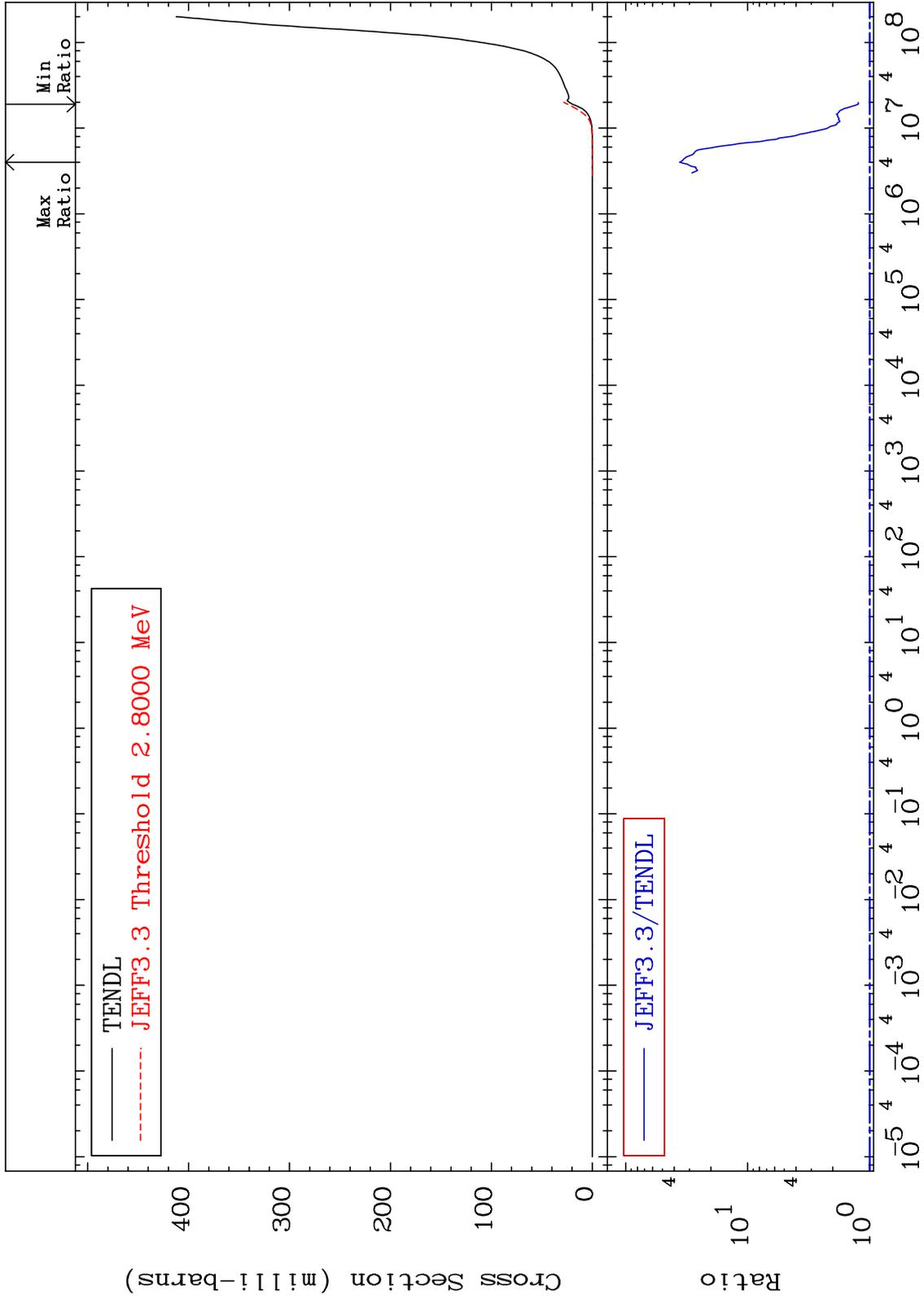
Incident Energy (eV)

58-Ce-142

MAT 5843

He-4 Production
Cross Section

58-Ce-142
23.58 To 3501. %



35

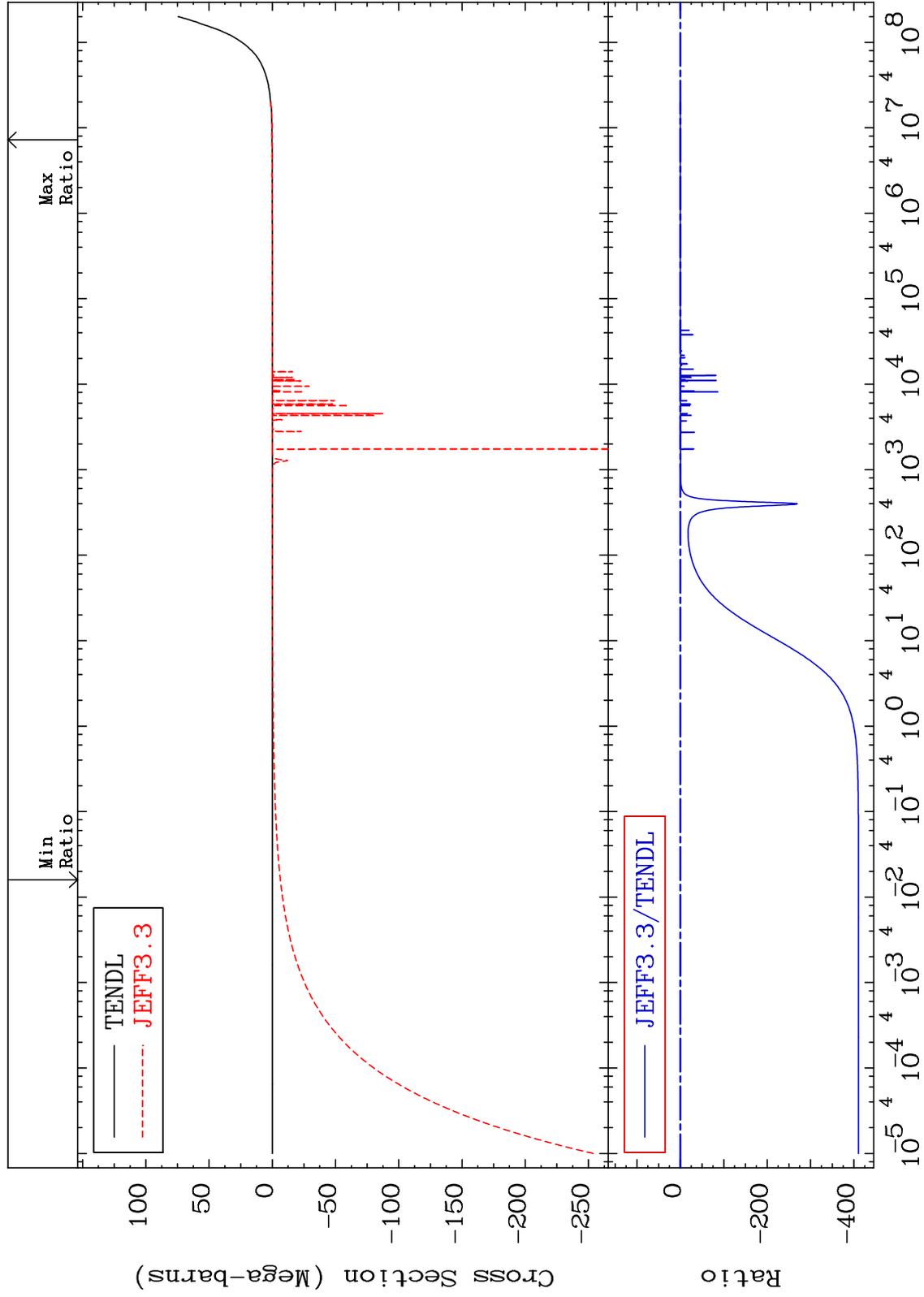
Incident Energy (eV)

58-Ce-142

MAT 5843

Kerma total (eV-barns)
Cross Section

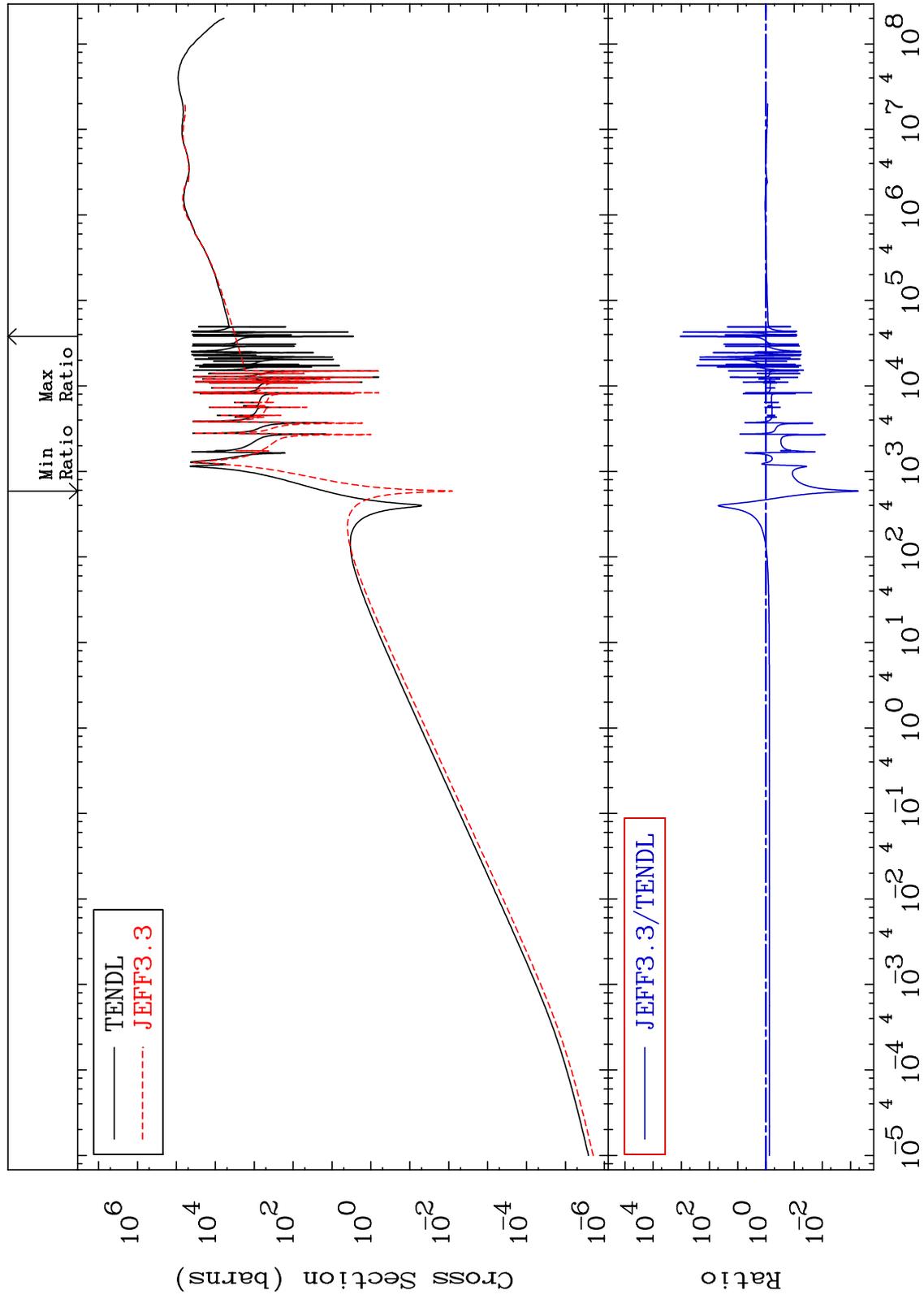
58-Ce-142
-9999. To 64.69 %



MAT 5843

Kerma elastic
Cross Section

58-Ce-142
-99.95 To 9999. %



37

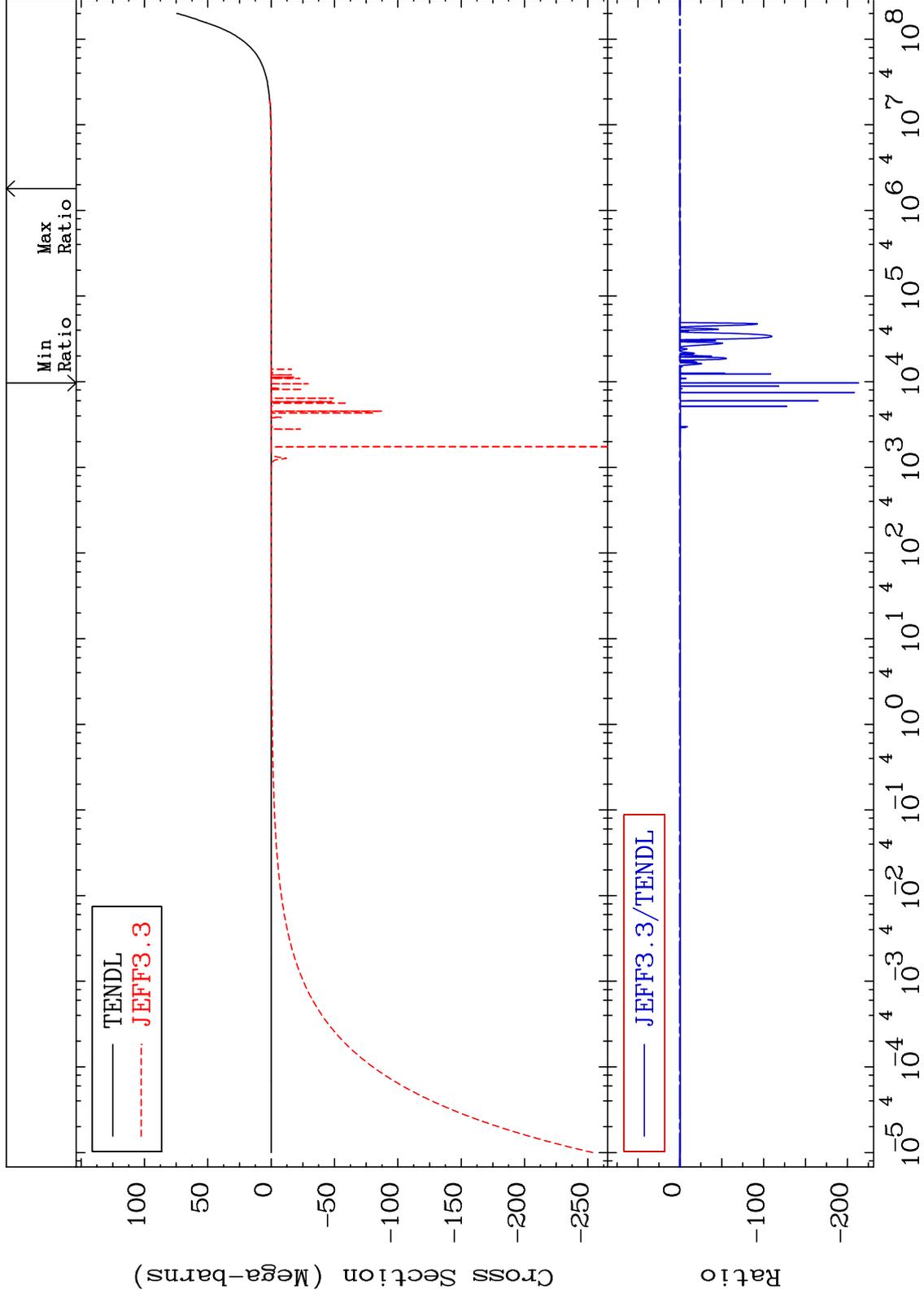
Incident Energy (eV)

58-Ce-142

MAT 5843

Kerma non-elastic (all but mt2)
Cross Section

58-Ce-142
-9999. To 149.4 %



38

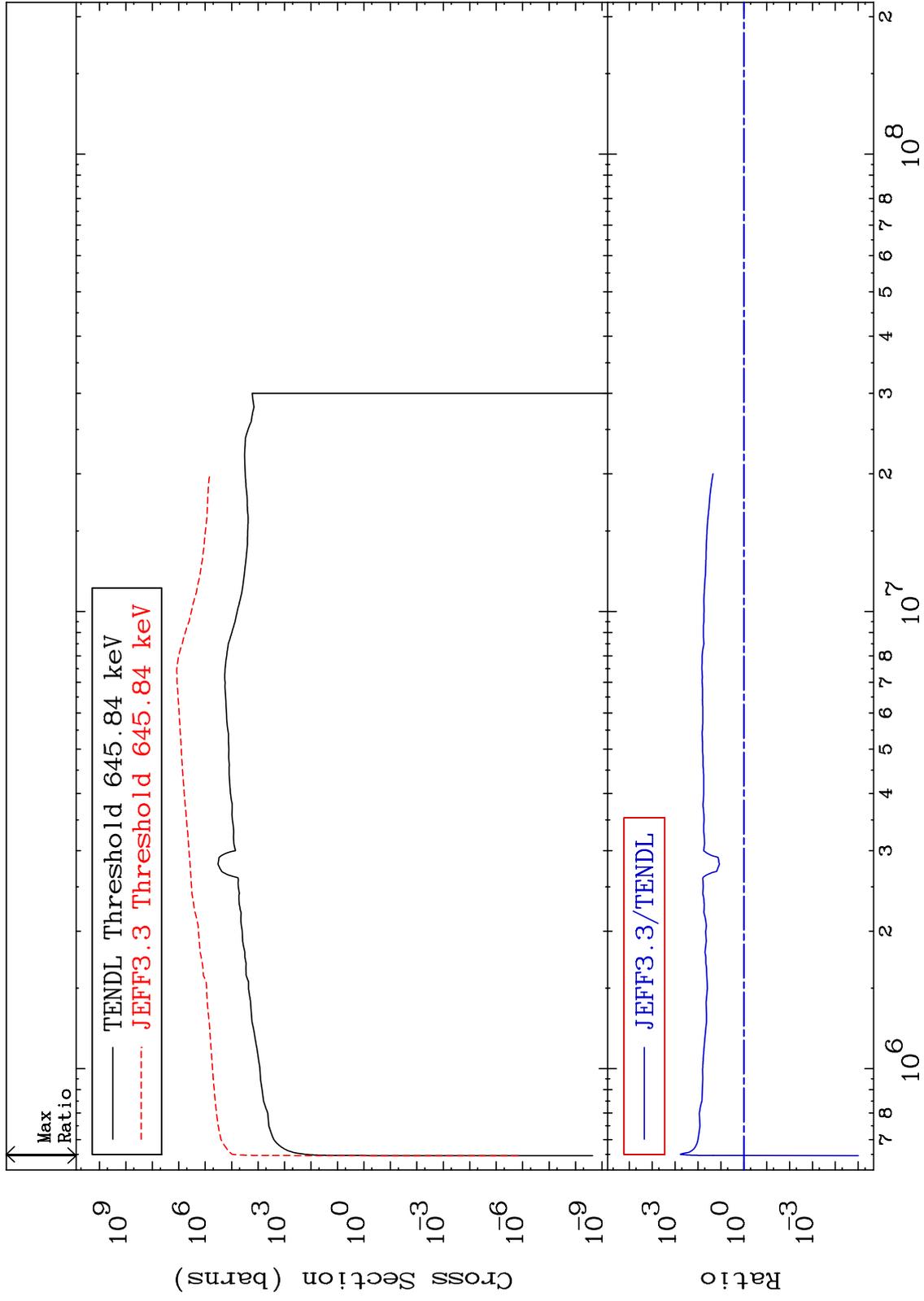
Incident Energy (eV)

58-Ce-142

MAT 5843

Kerma inelastic (mt51-91)
Cross Section

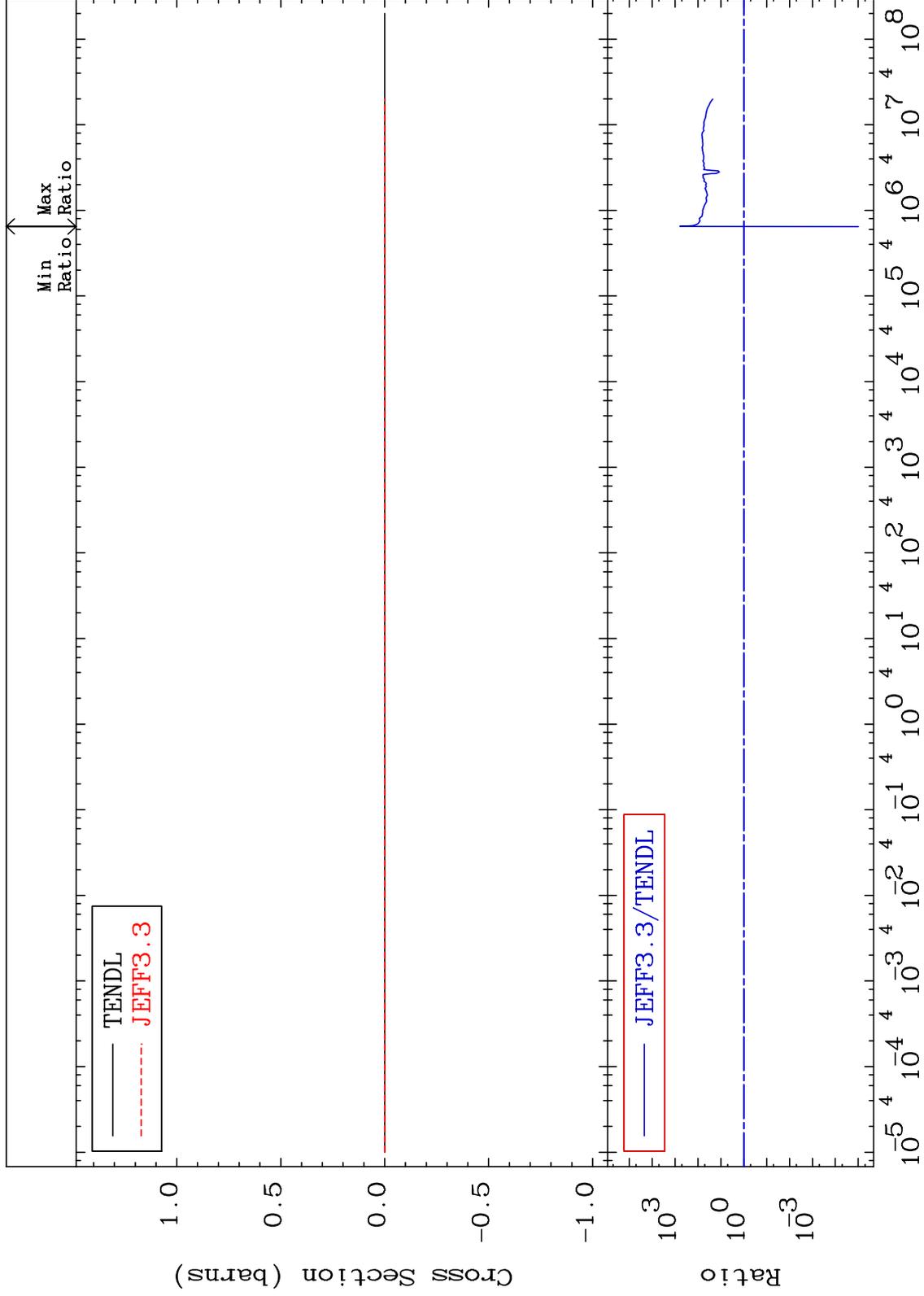
58-Ce-142
-100.0 To 9999. %



MAT 5843

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

58-Ce-142
-100.0 To 9999. %



40

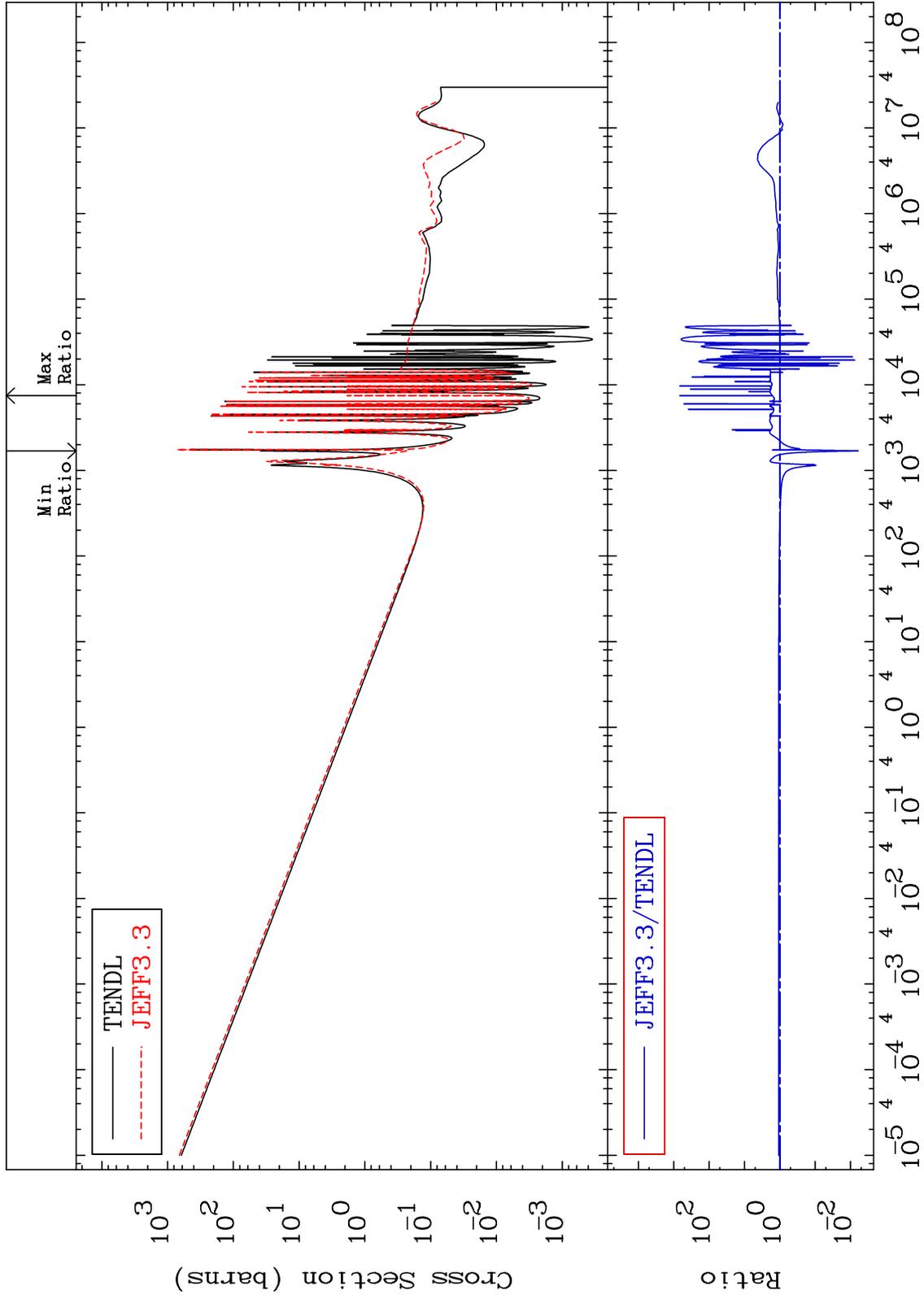
Incident Energy (eV)

58-Ce-142

MAT 5843

Kerma capture (mt102)
Cross Section

58-Ce-142
-99.40 To 9999. %



41

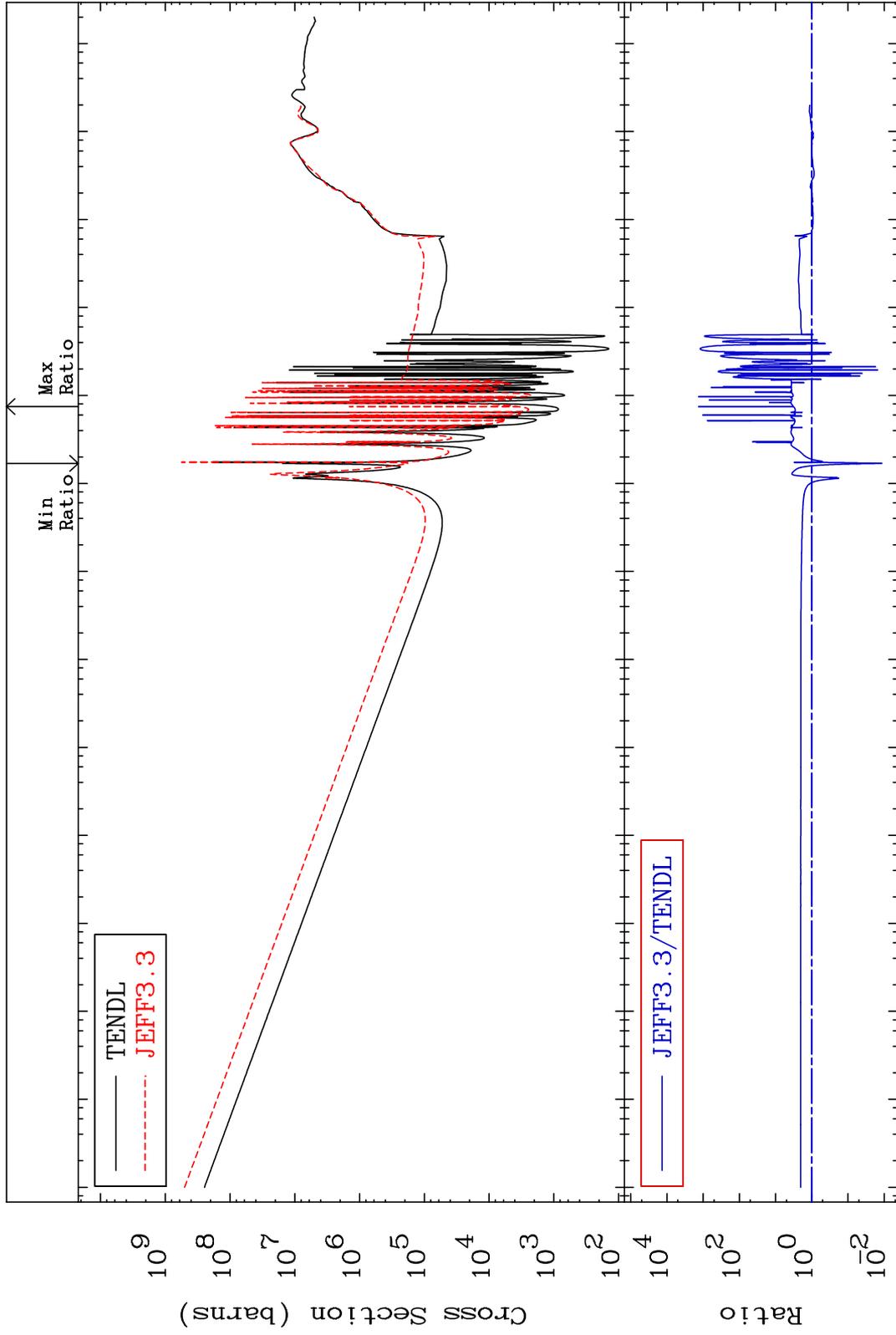
Incident Energy (eV)

58-Ce-142

MAT 5843

Total photon (eV-barns)
Cross Section

58-Ce-142
-98.85 To 9999. %



42

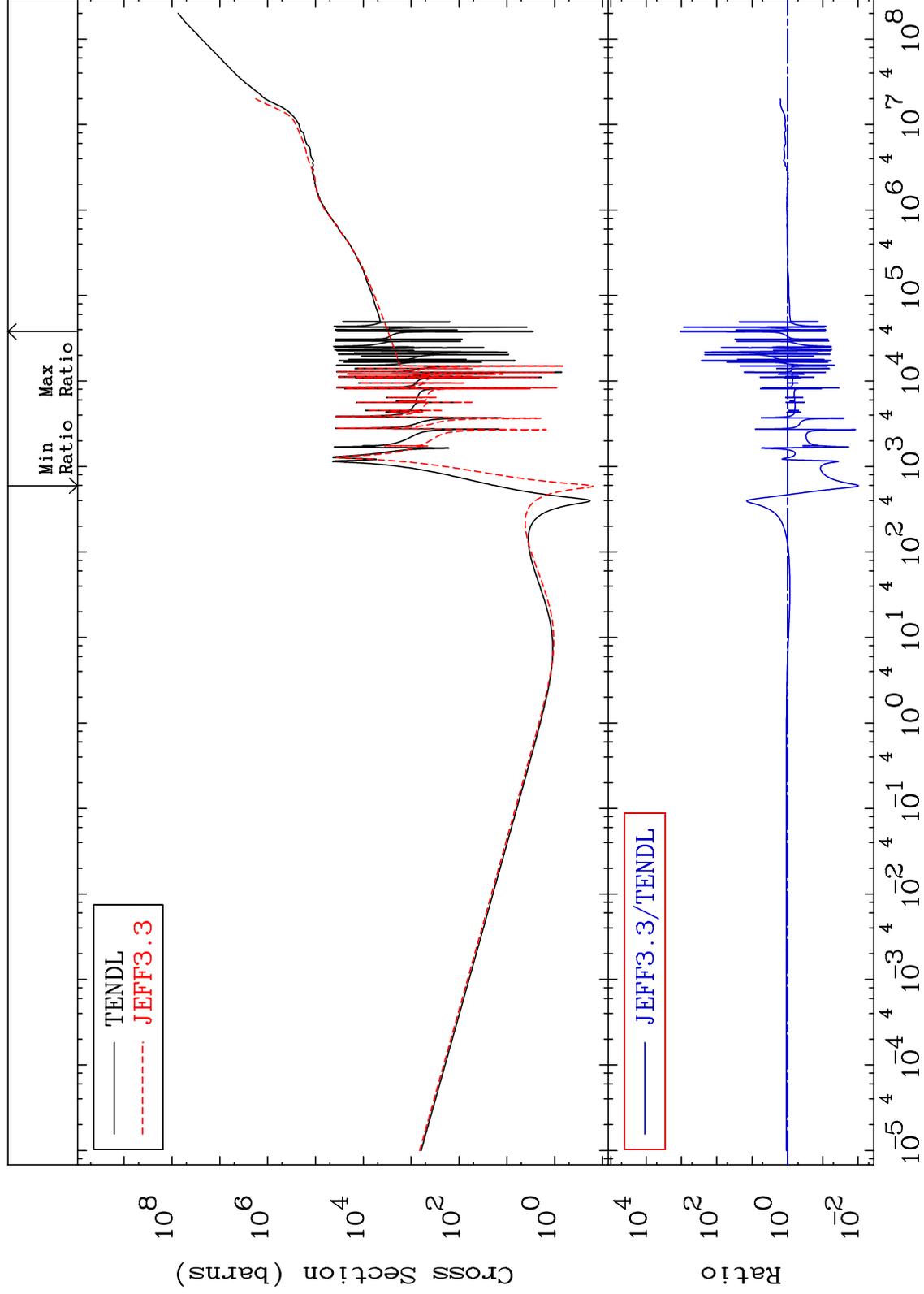
Incident Energy (eV)

58-Ce-142

MAT 5843

Total kinematic kerma (high limit)
Cross Section

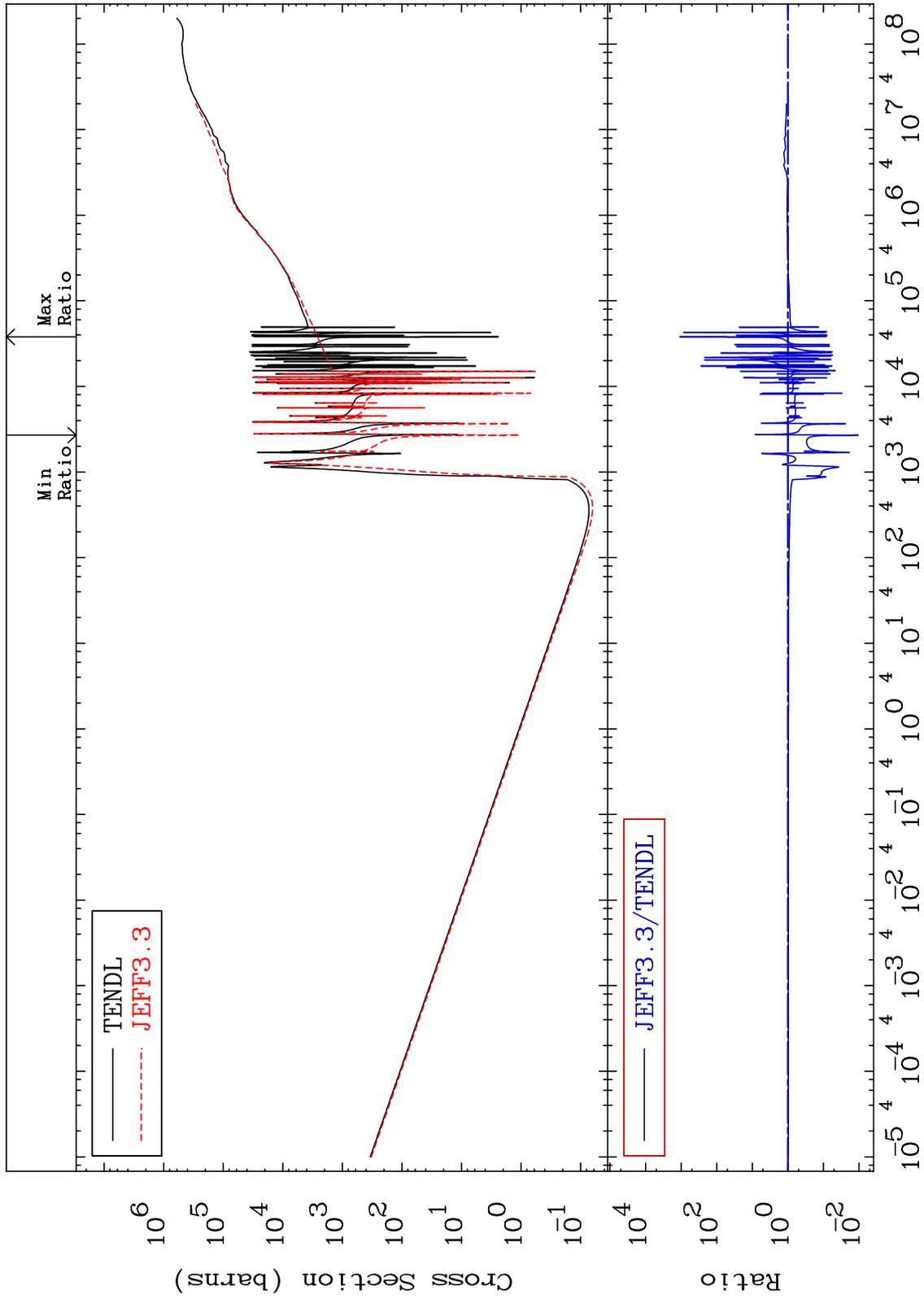
58-Ce-142
-99.03 To 9999. %



MAT 5843

Dpa total (eV-barns)
Cross Section

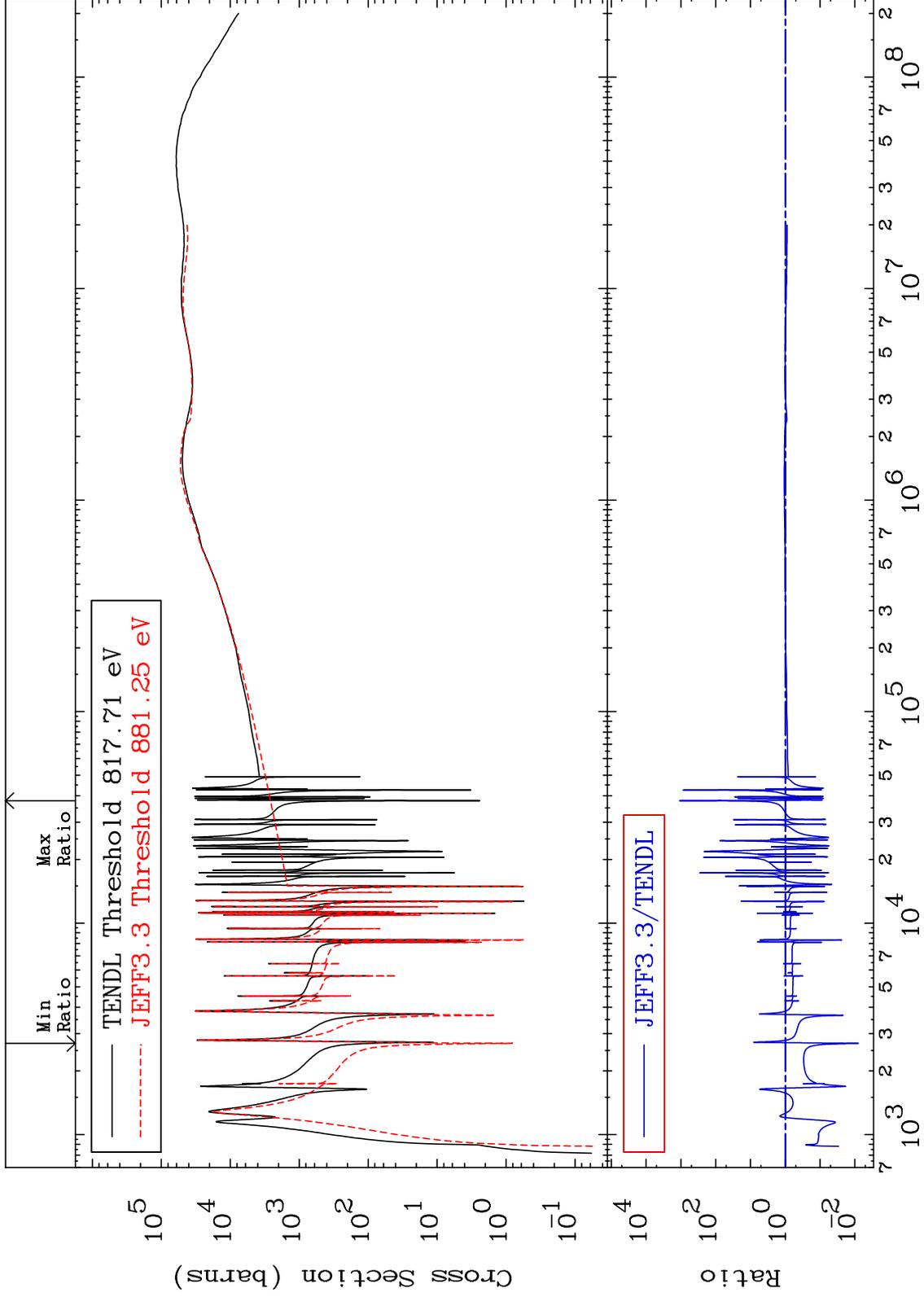
58-Ce-142
-98.96 To 9999. %



MAT 5843

Dpa elastic (mt2)
Cross Section

58-Ce-142
-99.20 To 9999. %



45

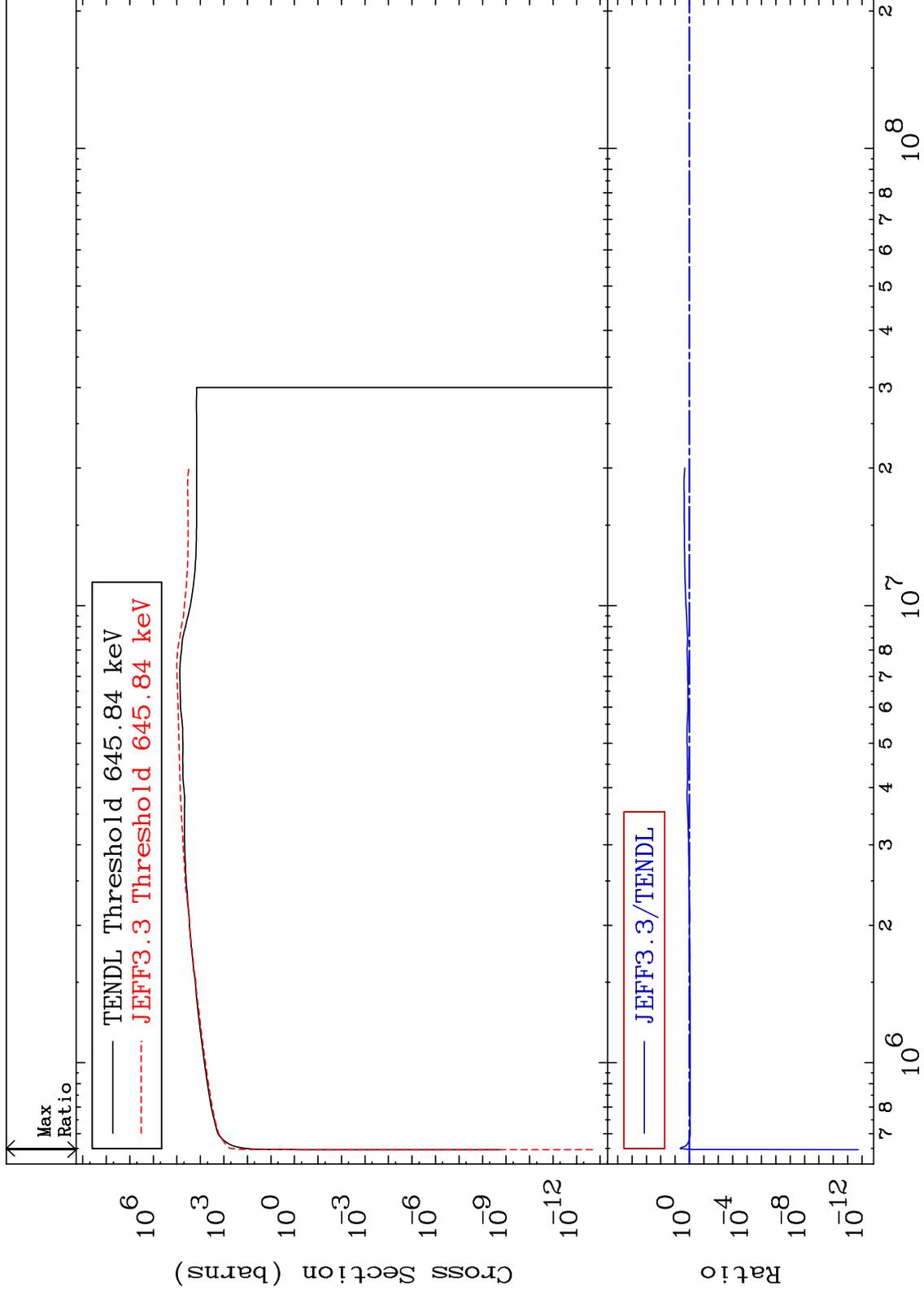
Incident Energy (eV)

58-Ce-142

MAT 5843

Dpa inelastic (mt51-91)
Cross Section

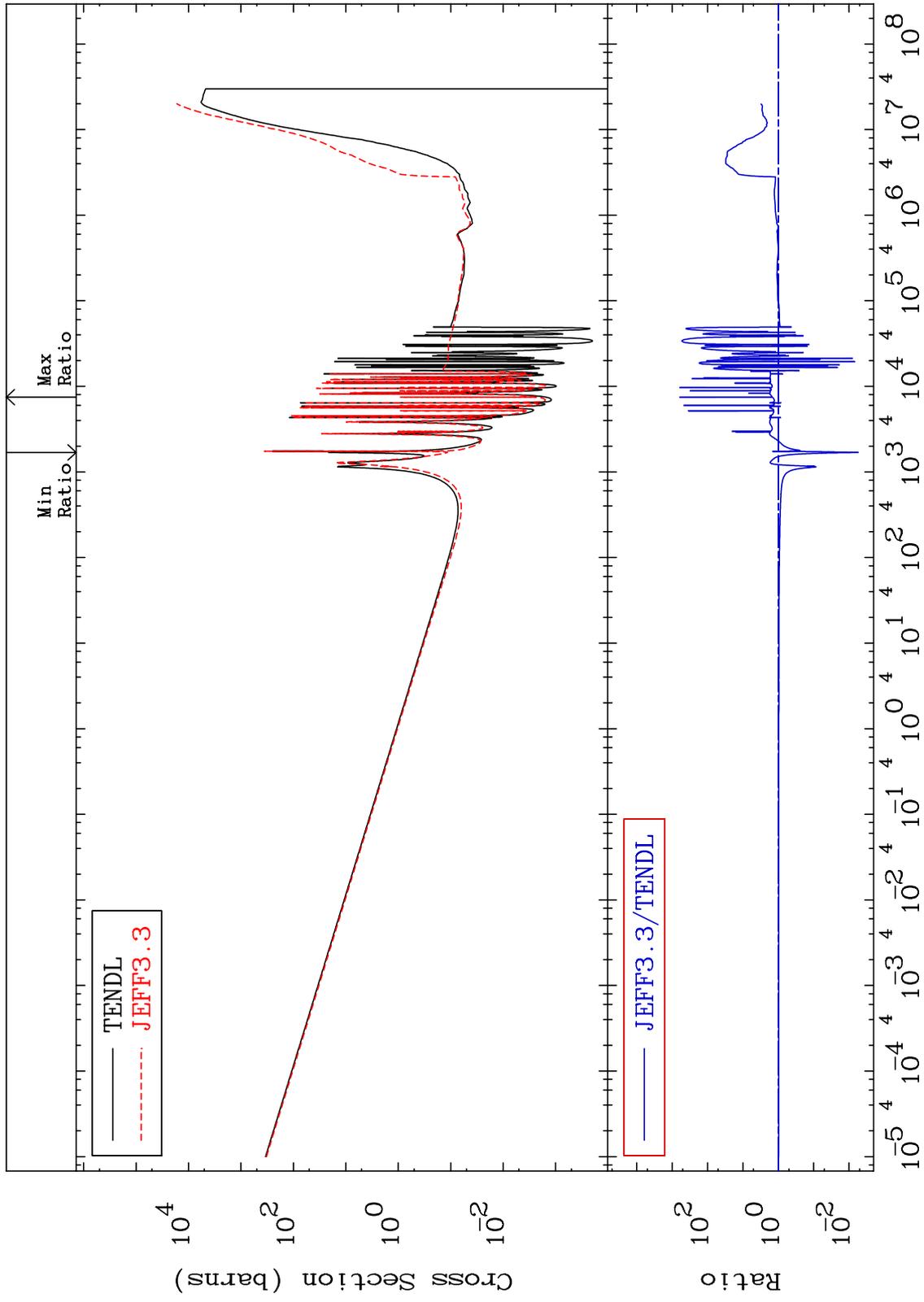
58-Ce-142
-100.0 To 364.7 %



MAT 5843

Dpa disappearance (mt102 -120)
Cross Section

58-Ce-142
-99.46 To 9999. %



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Incident Energy (eV)

58-Ce-142