

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

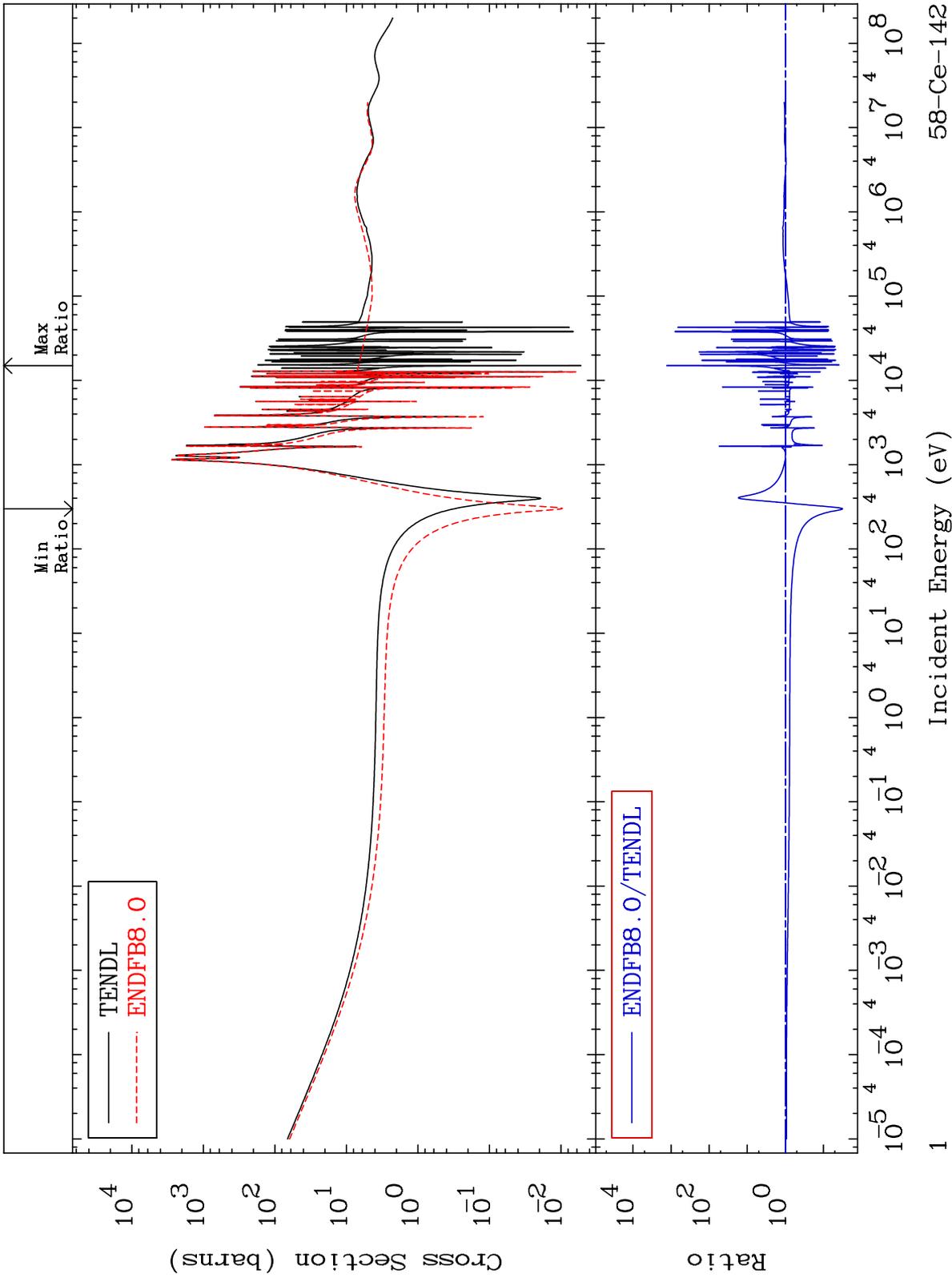
MAT 5843

Total

58-Ce-142

Cross Section

-96.87 To 9999. %

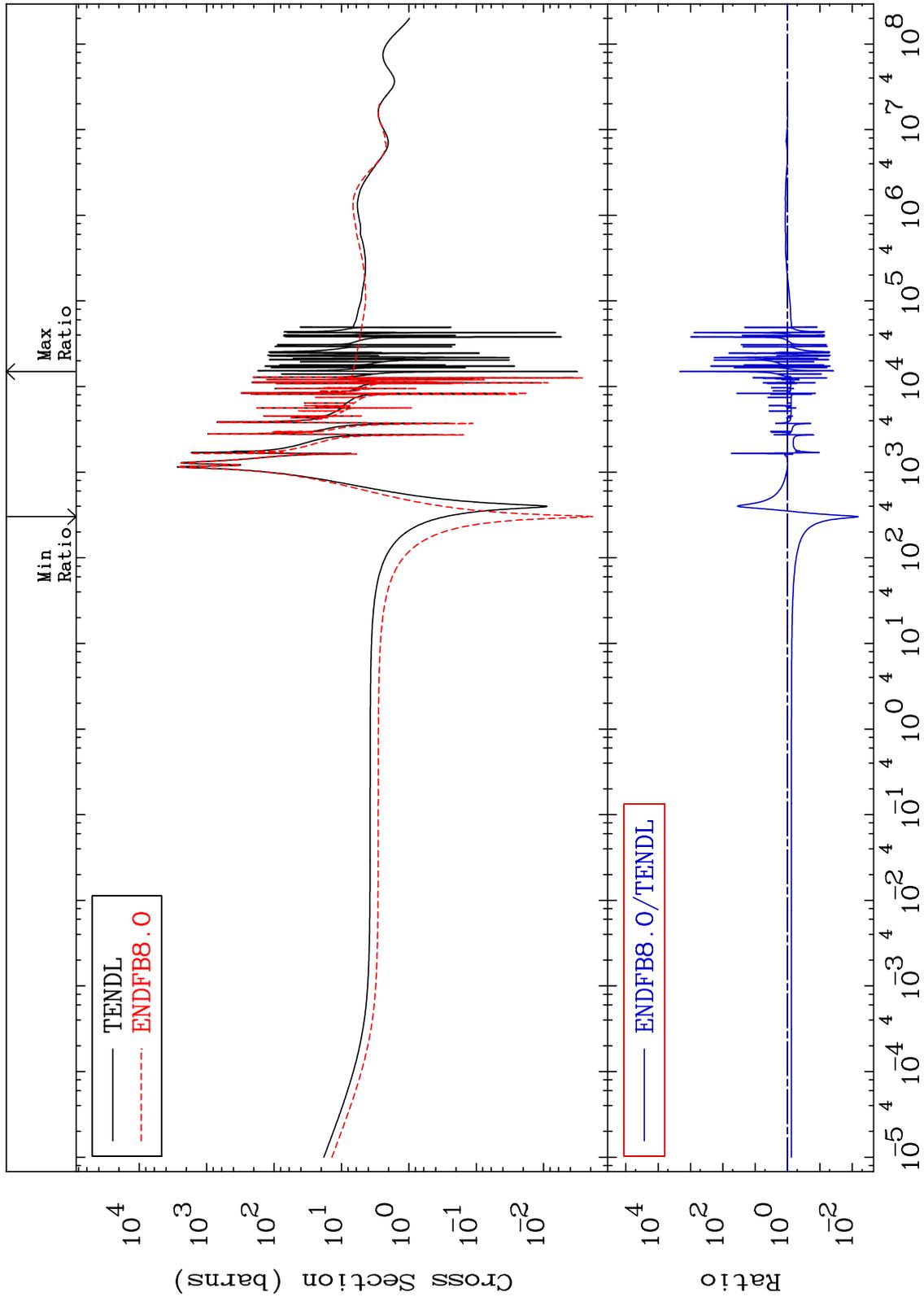


58-Ce-142

MAT 5843

Elastic
Cross Section

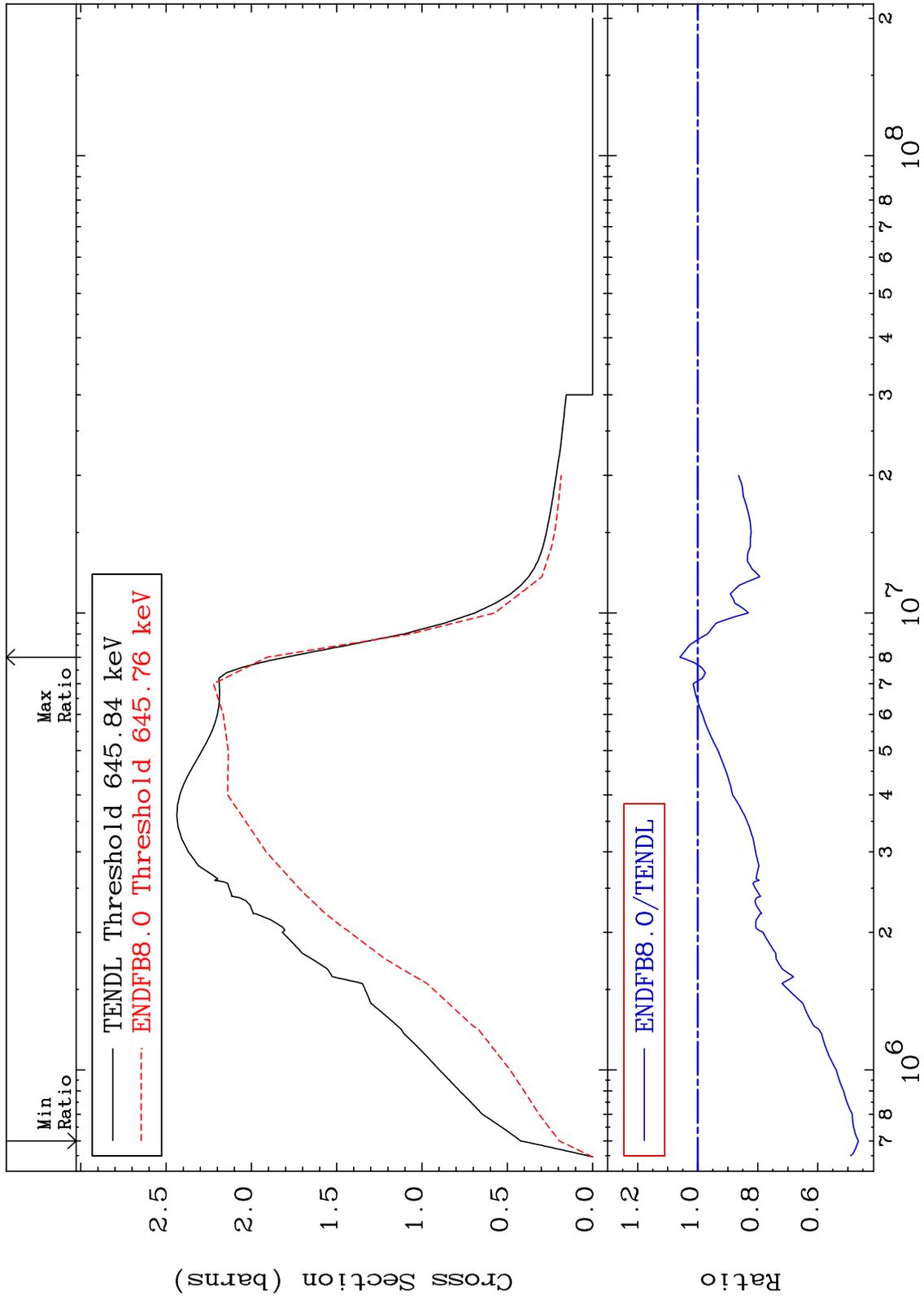
58-Ce-142
-99.36 To 9999. %



Incident Energy (eV)

58-Ce-142

MAT 5843 Inelastic Cross Section 58-Ce-142 -53.51 To 5.942 %



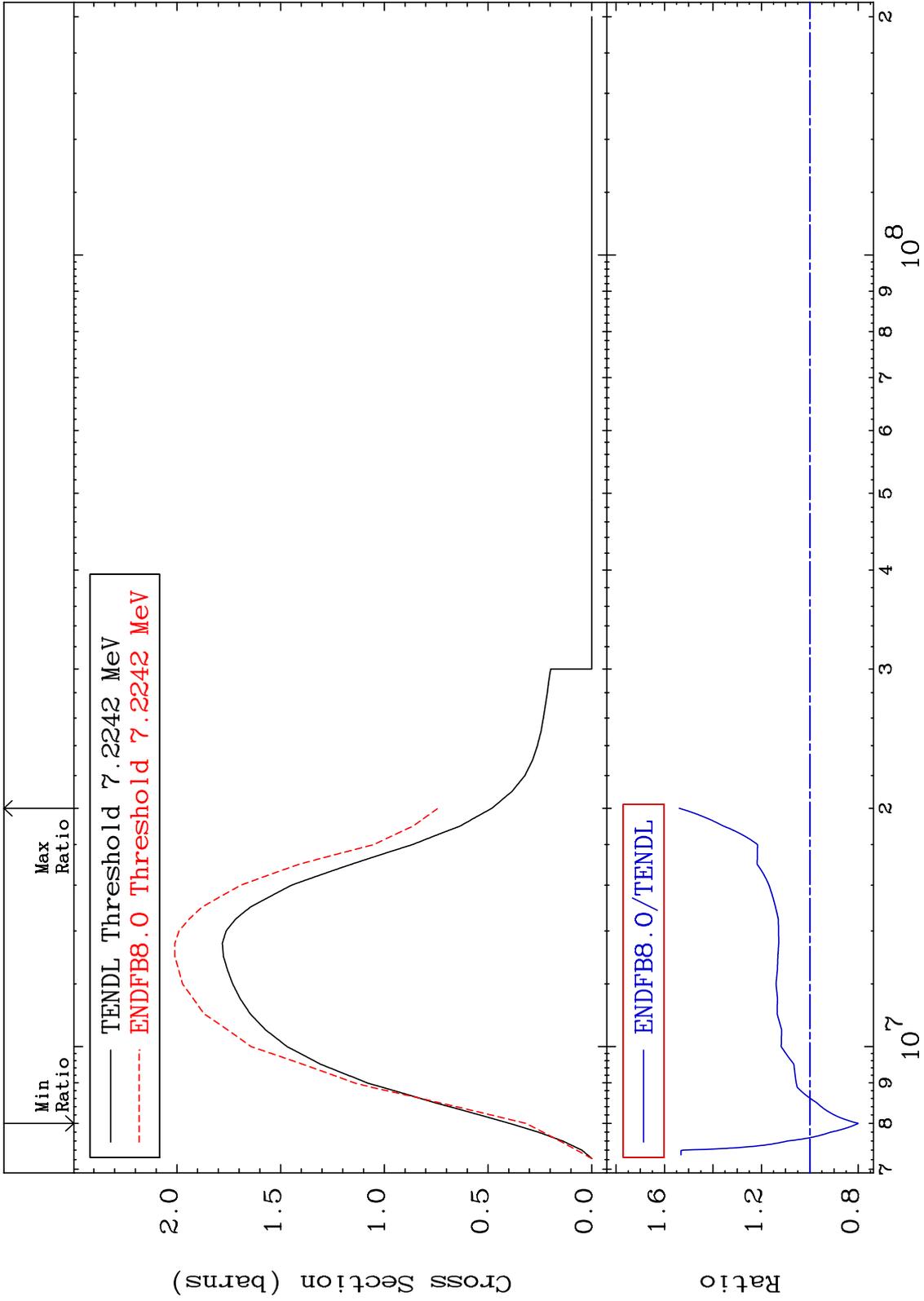
MAT 5843

(n, 2n)

58-Ce-142

Cross Section

-19.98 To 53.89 %



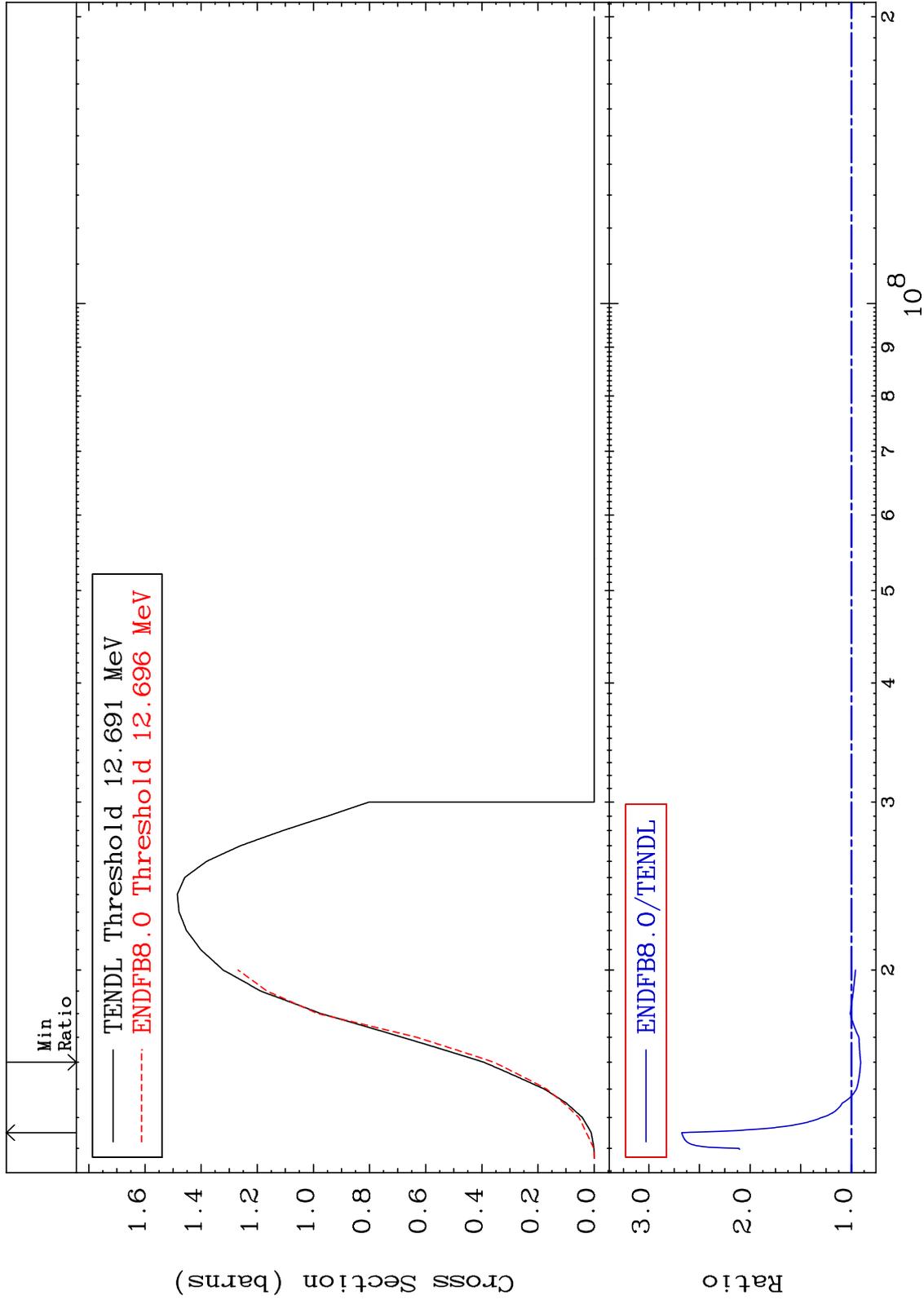
MAT 5843

(n, 3n)

58-Ce-142

Cross Section

-9.160 To 167.5 %



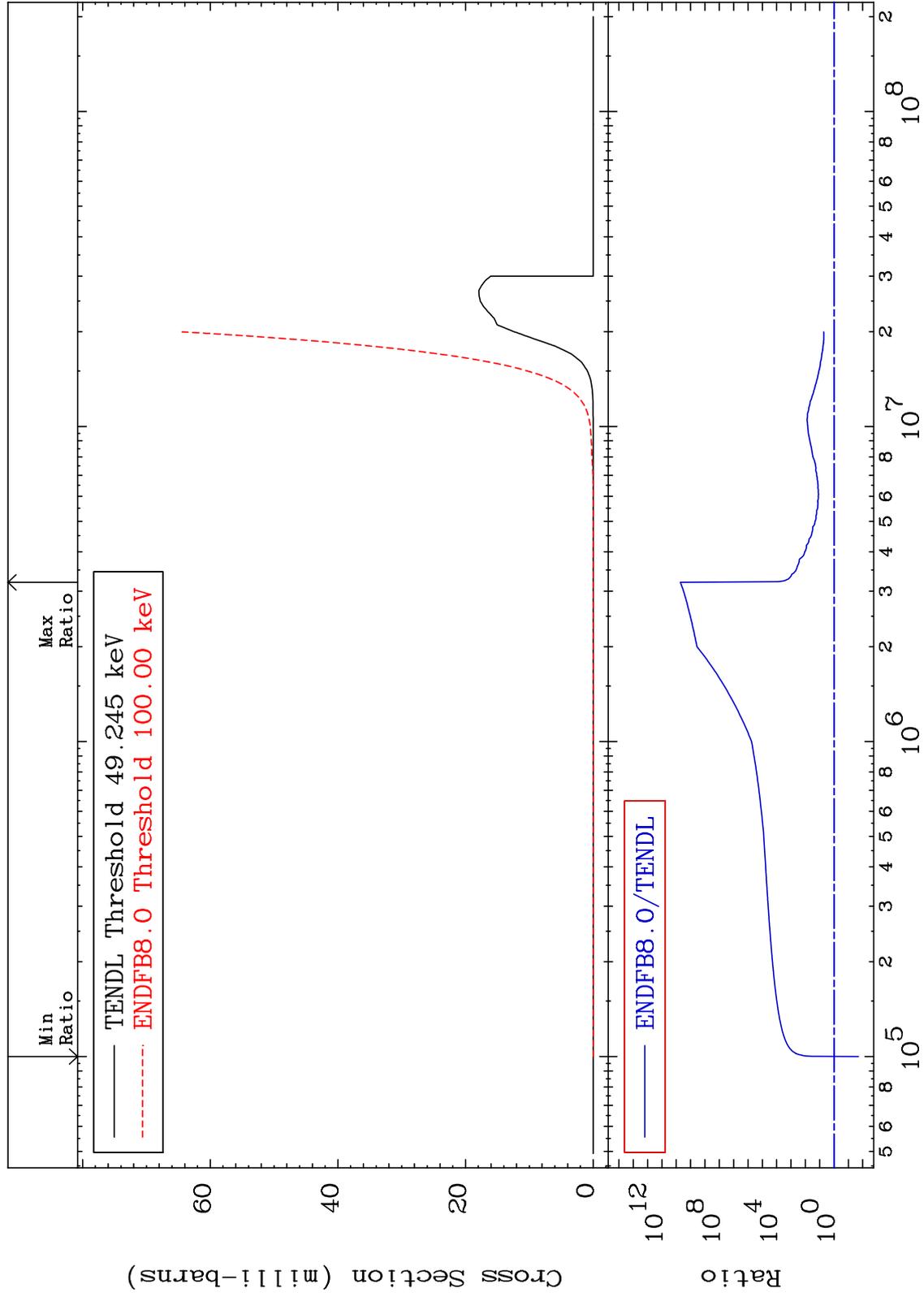
MAT 5843

(n, n') α

58-Ce-142

Cross Section

-98.04 To 9999. %



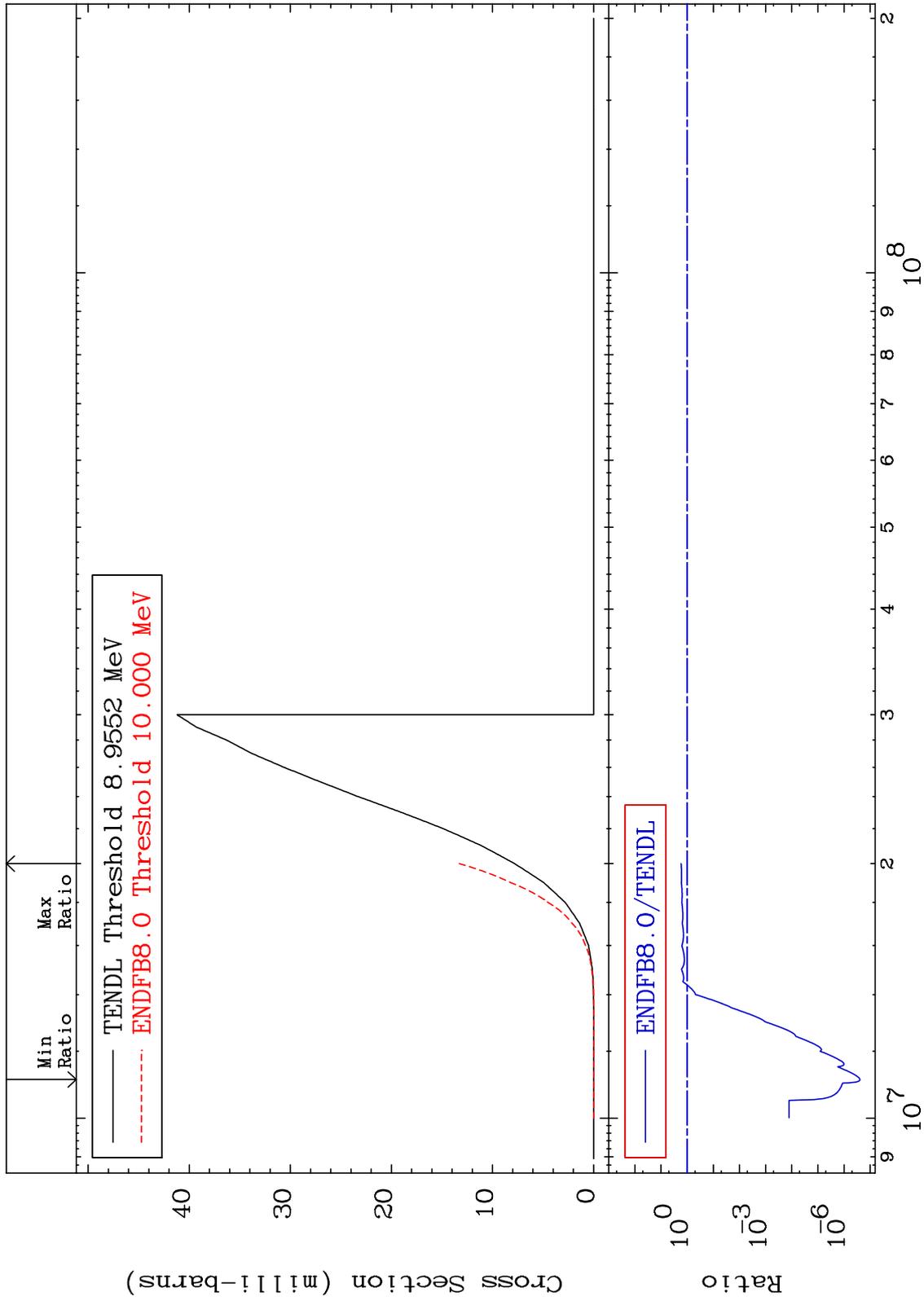
MAT 5843

(n,n') p

58-Ce-142

Cross Section

-100.0 To 70.07 %



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Incident Energy (eV)

58-Ce-142

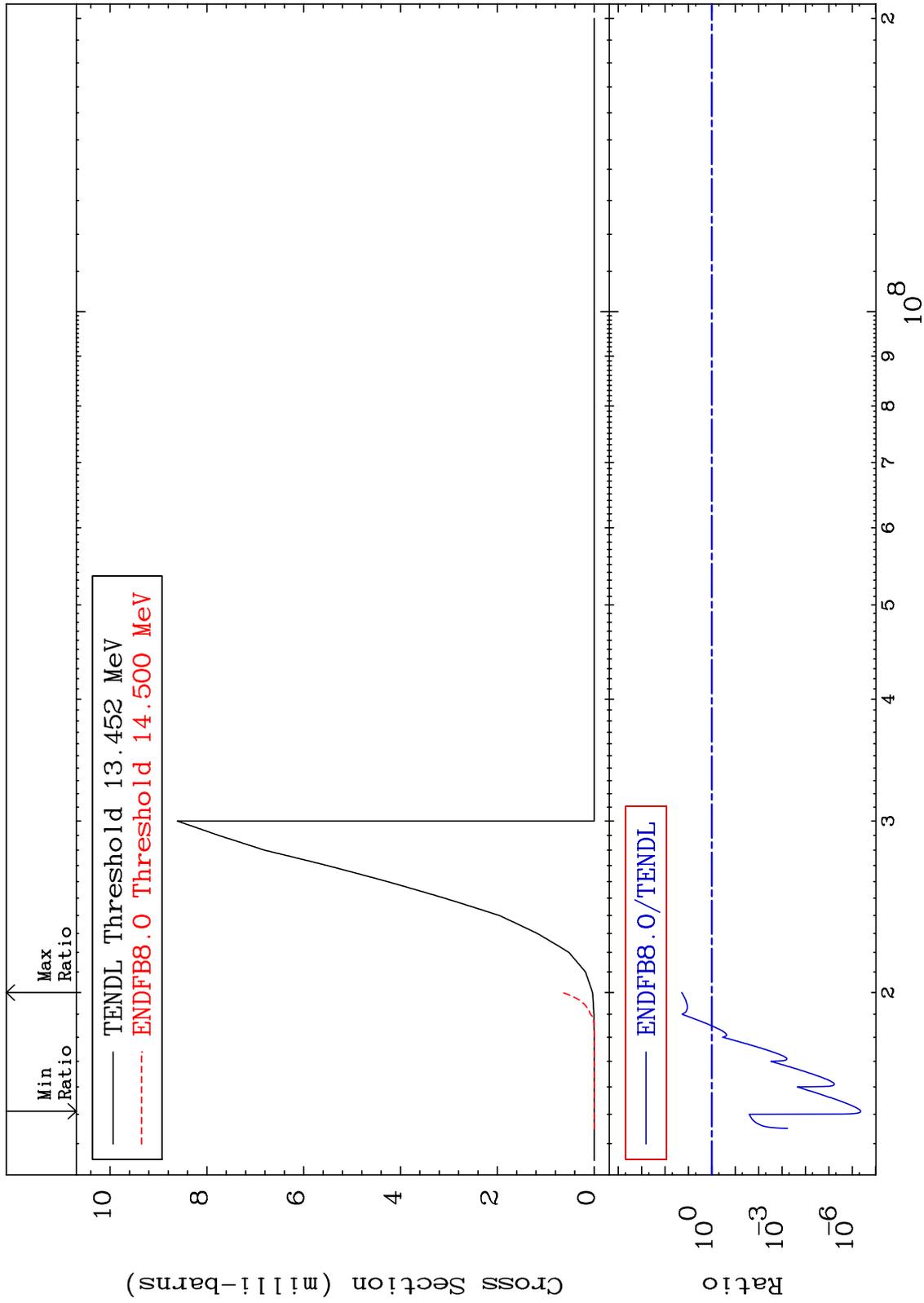
MAT 5843

(n,n') d

58-Ce-142

Cross Section

-100.0 To 1849. %



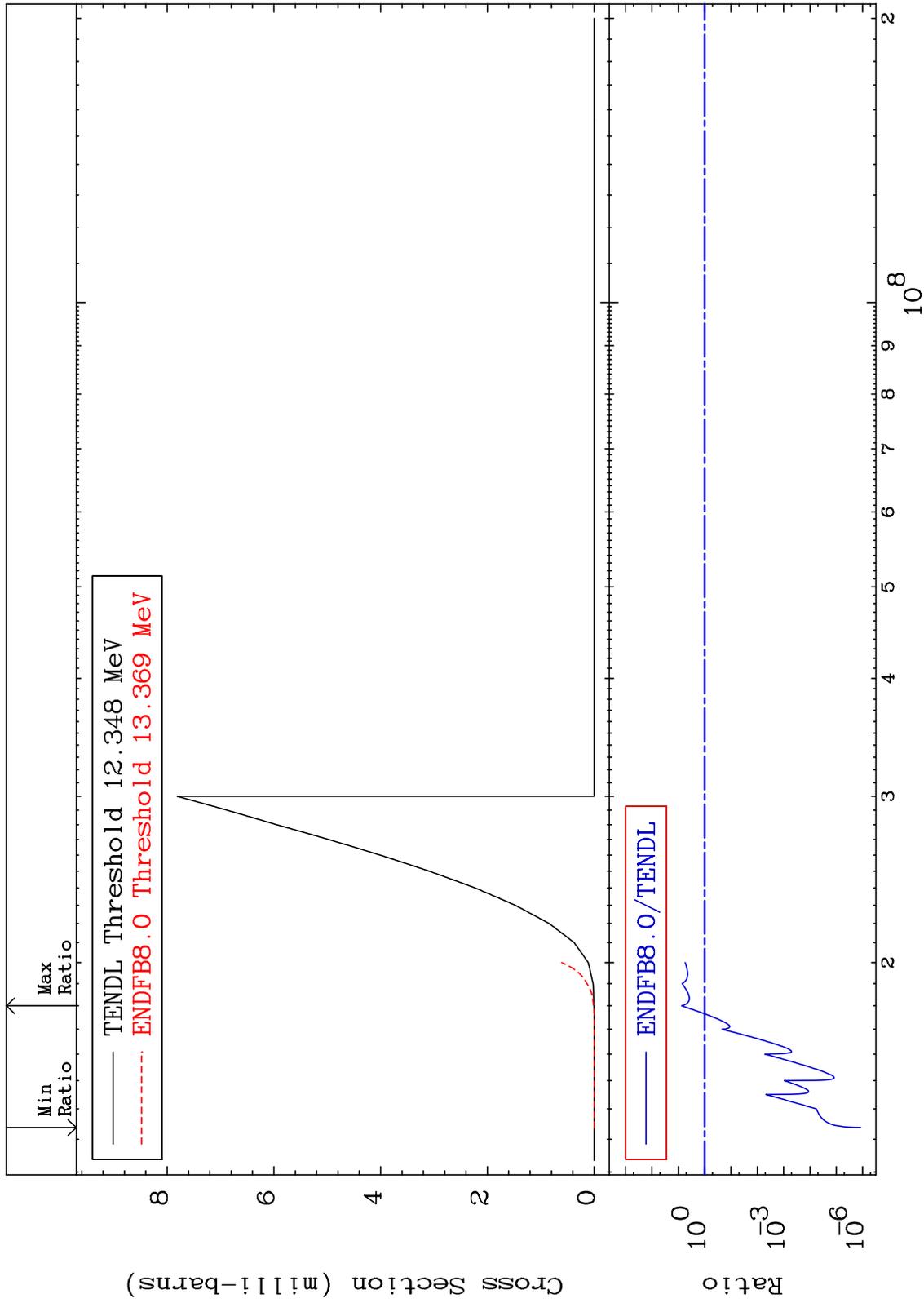
MAT 5843

(n,n') t

58-Ce-142

Cross Section

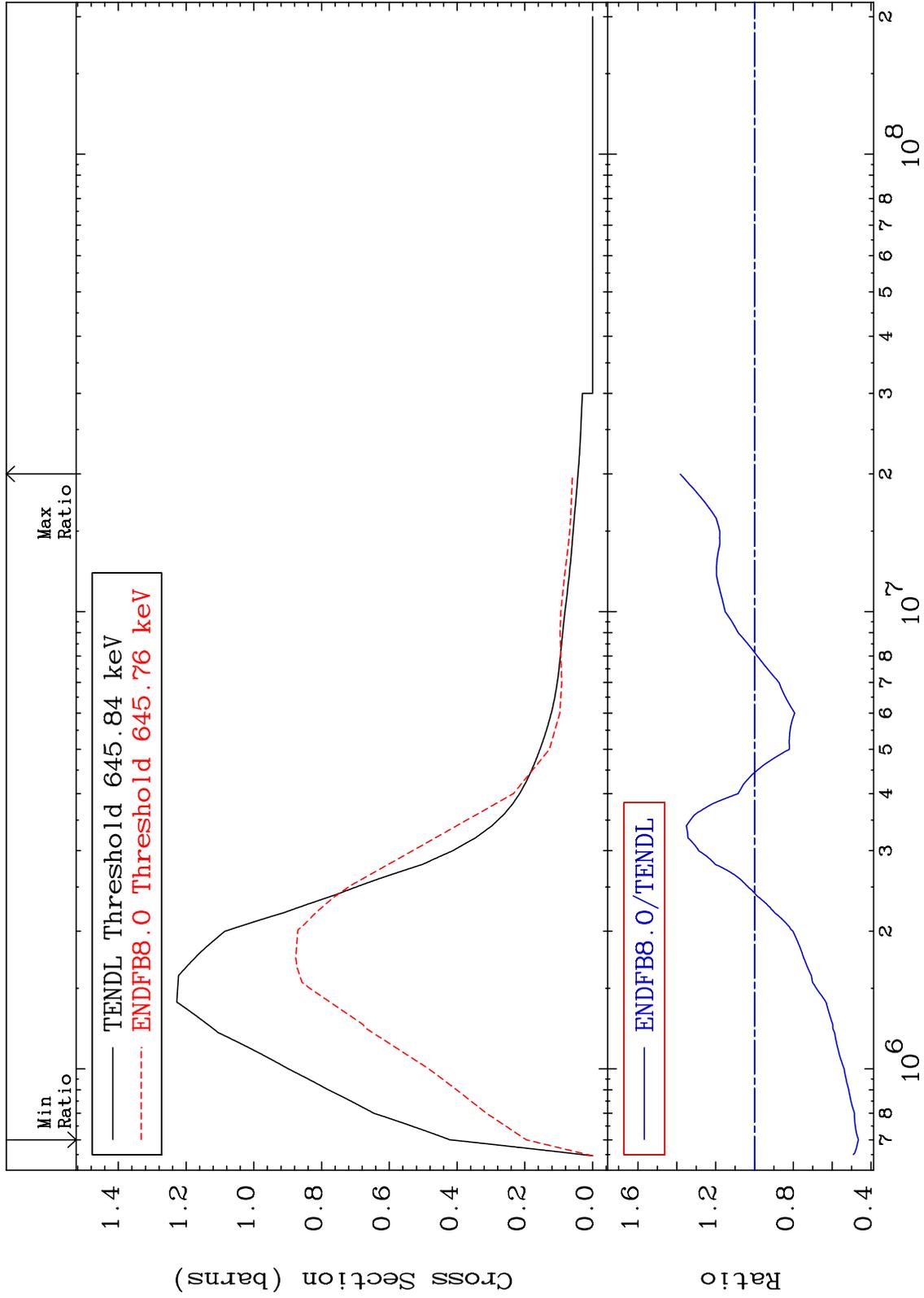
-100.0 To 641.8 %



MAT 5843

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

58-Ce-142
-53.51 To 38.40 %

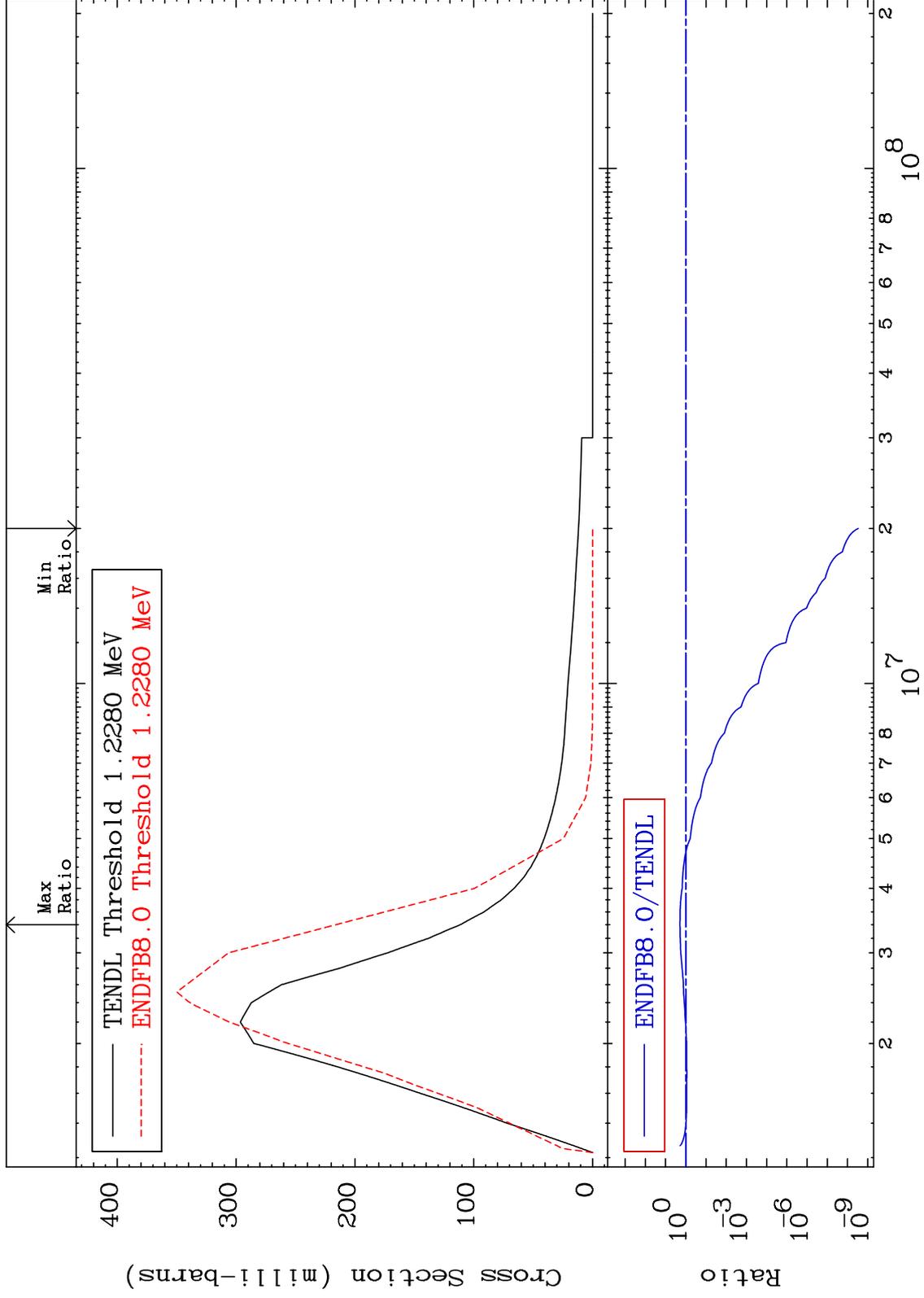


10 10⁶ 10⁷ 10⁸ Incident Energy (eV) 58-Ce-142

MAT 5843

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

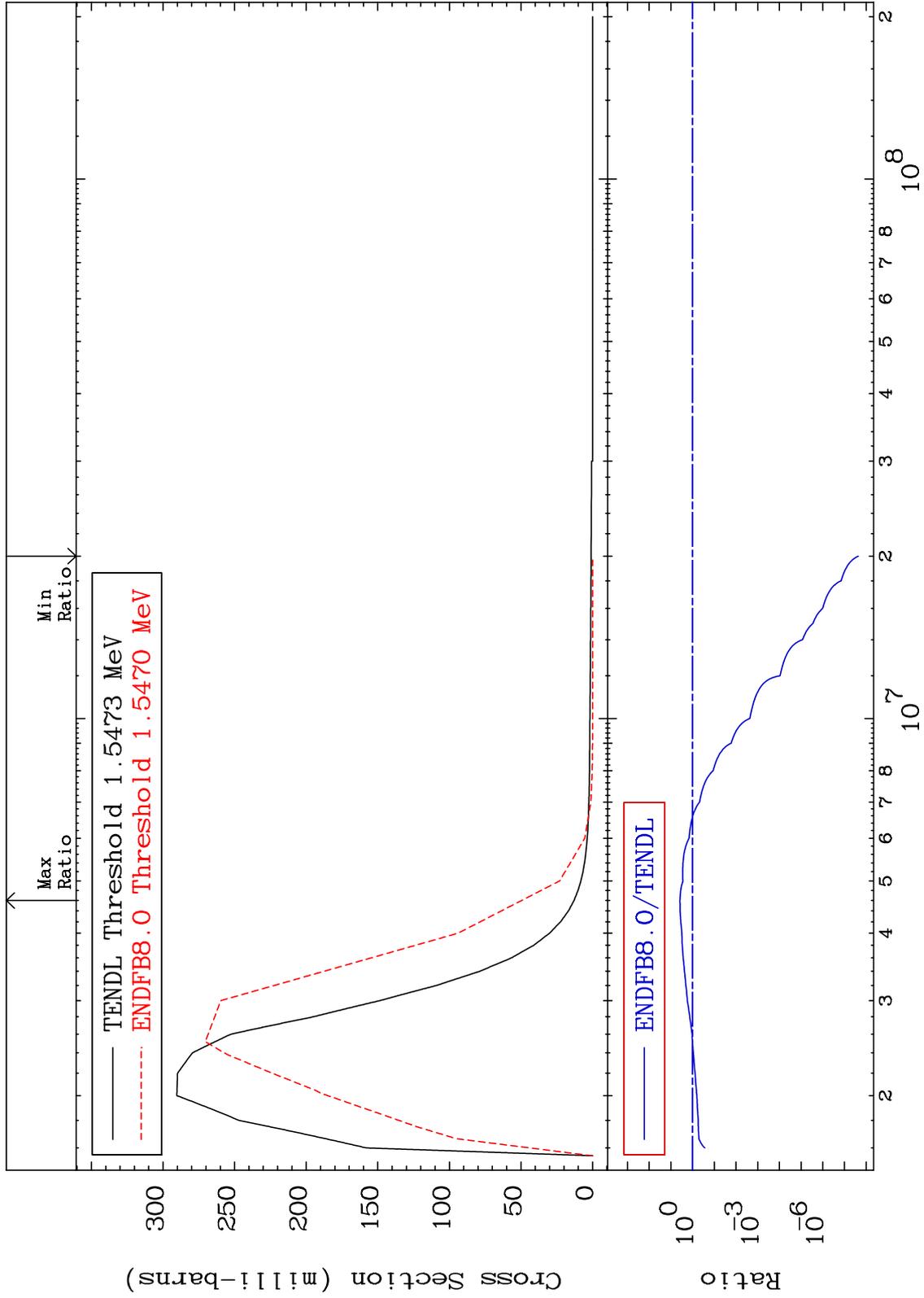
58-Ce-142
-100.0 To 94.03 %



MAT 5843

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

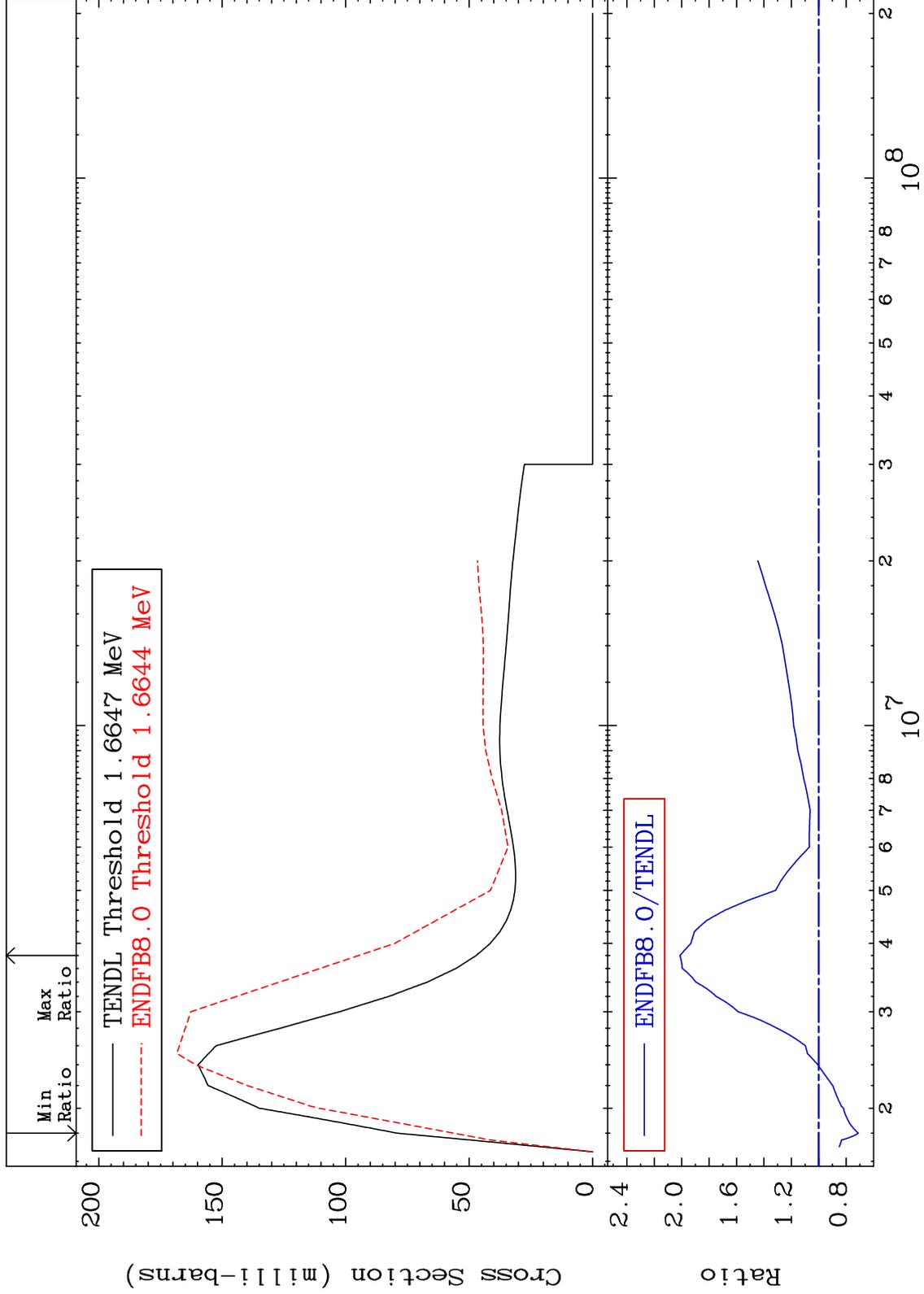
58-Ce-142
-100.0 To 282.6 %



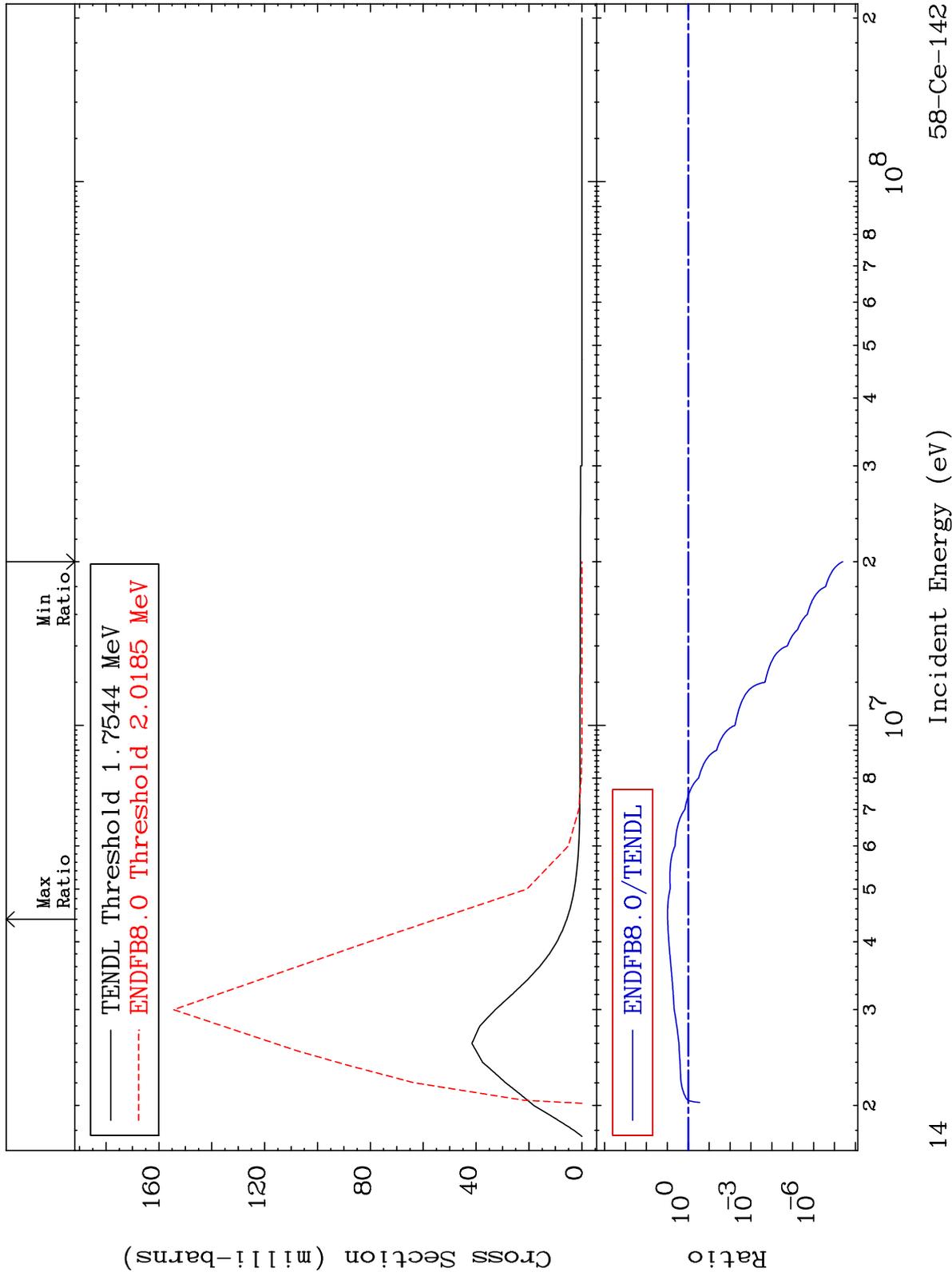
MAT 5843

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

58-Ce-142
-28.91 To 101.3 %



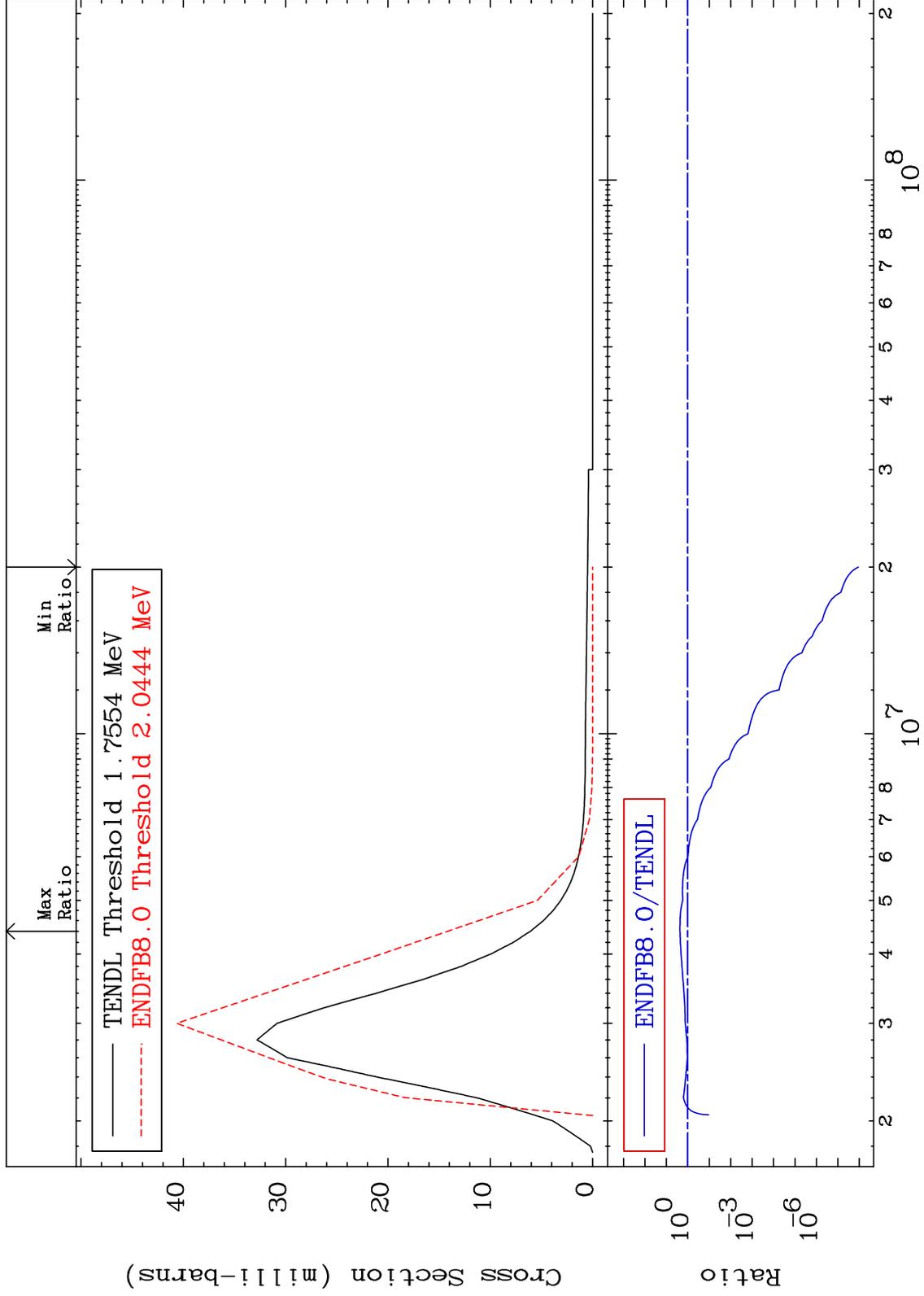
MAT 5843 MT= 55 (n,n') Level Cross Section 58-Ce-142
 -100.0 To 868.4 %



MAT 5843

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

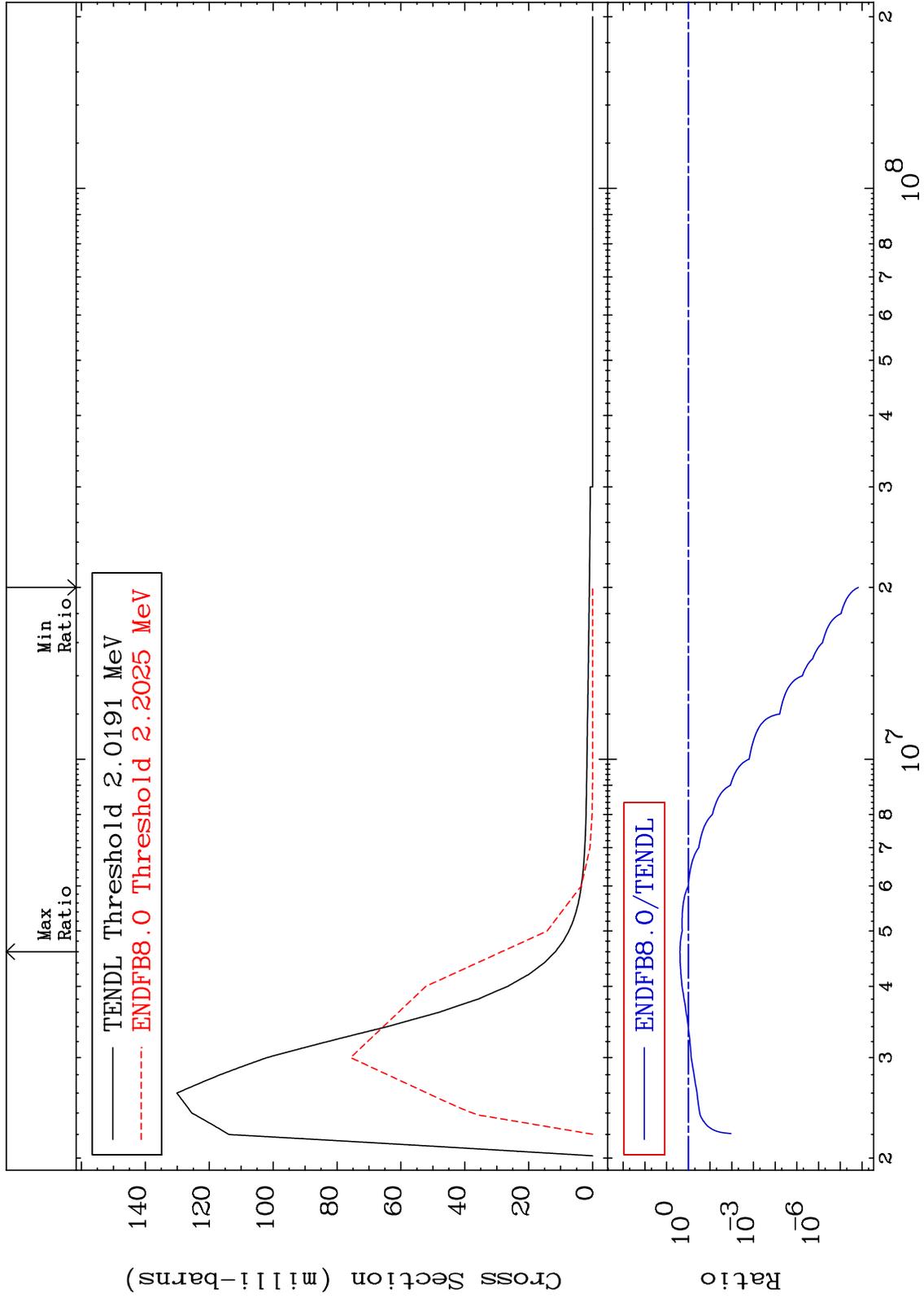
58-Ce-142
-100.0 To 133.4 %



MAT 5843

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

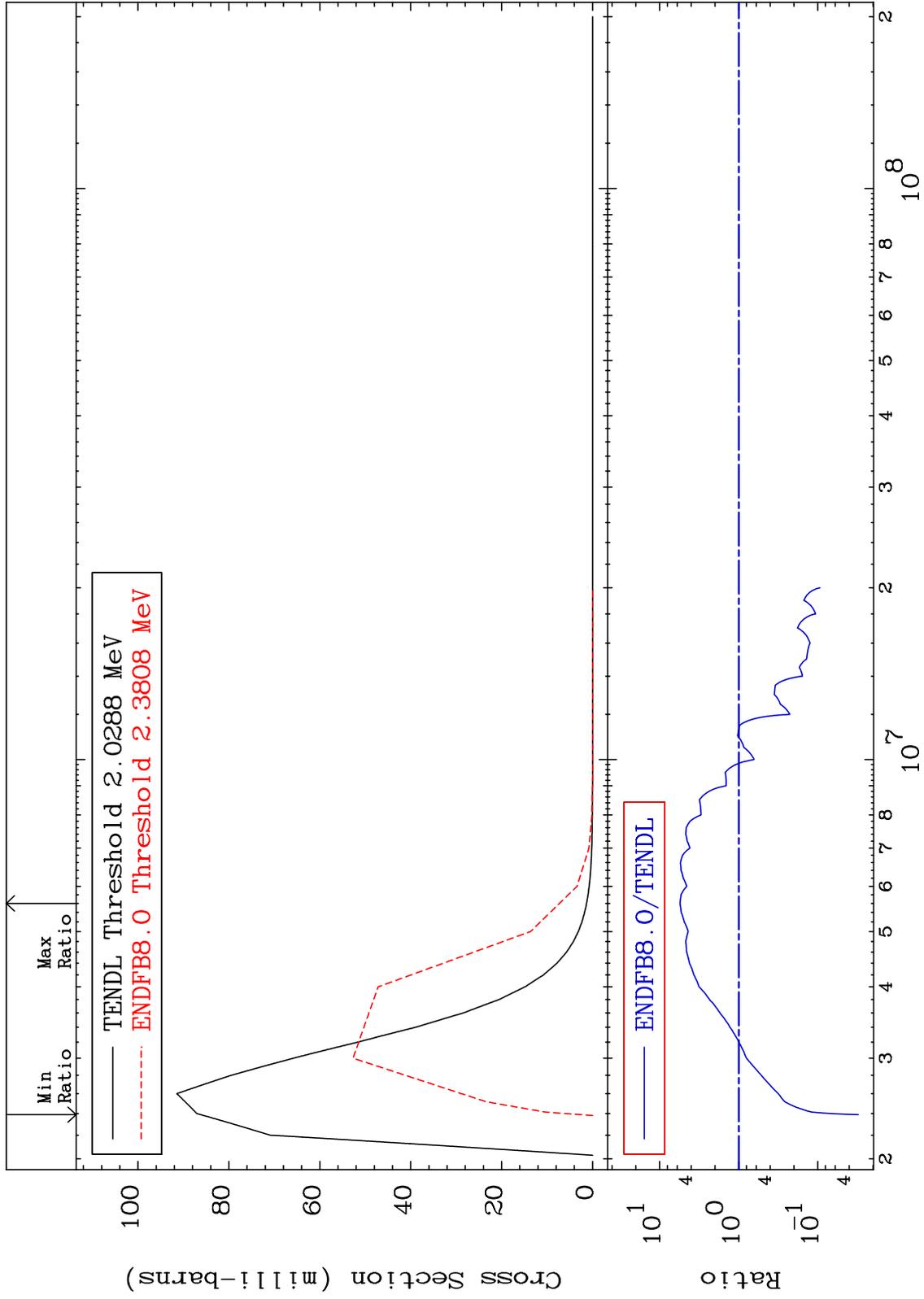
58-Ce-142
-100.0 To 144.3 %



MAT 5843

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

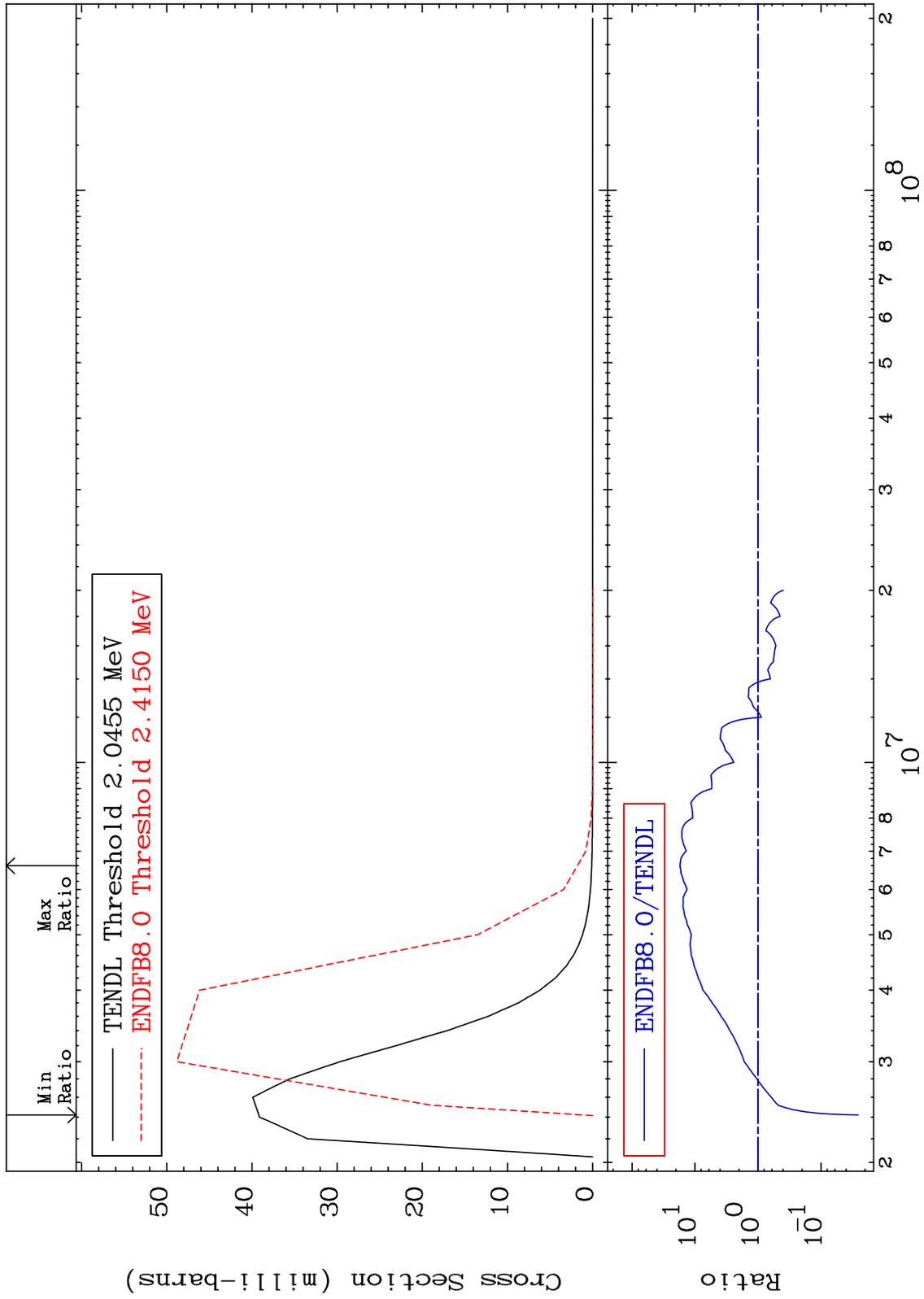
58-Ce-142
-96.94 To 454.2 %



MAT 5843

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

58-Ce-142
-97.45 To 1634. %



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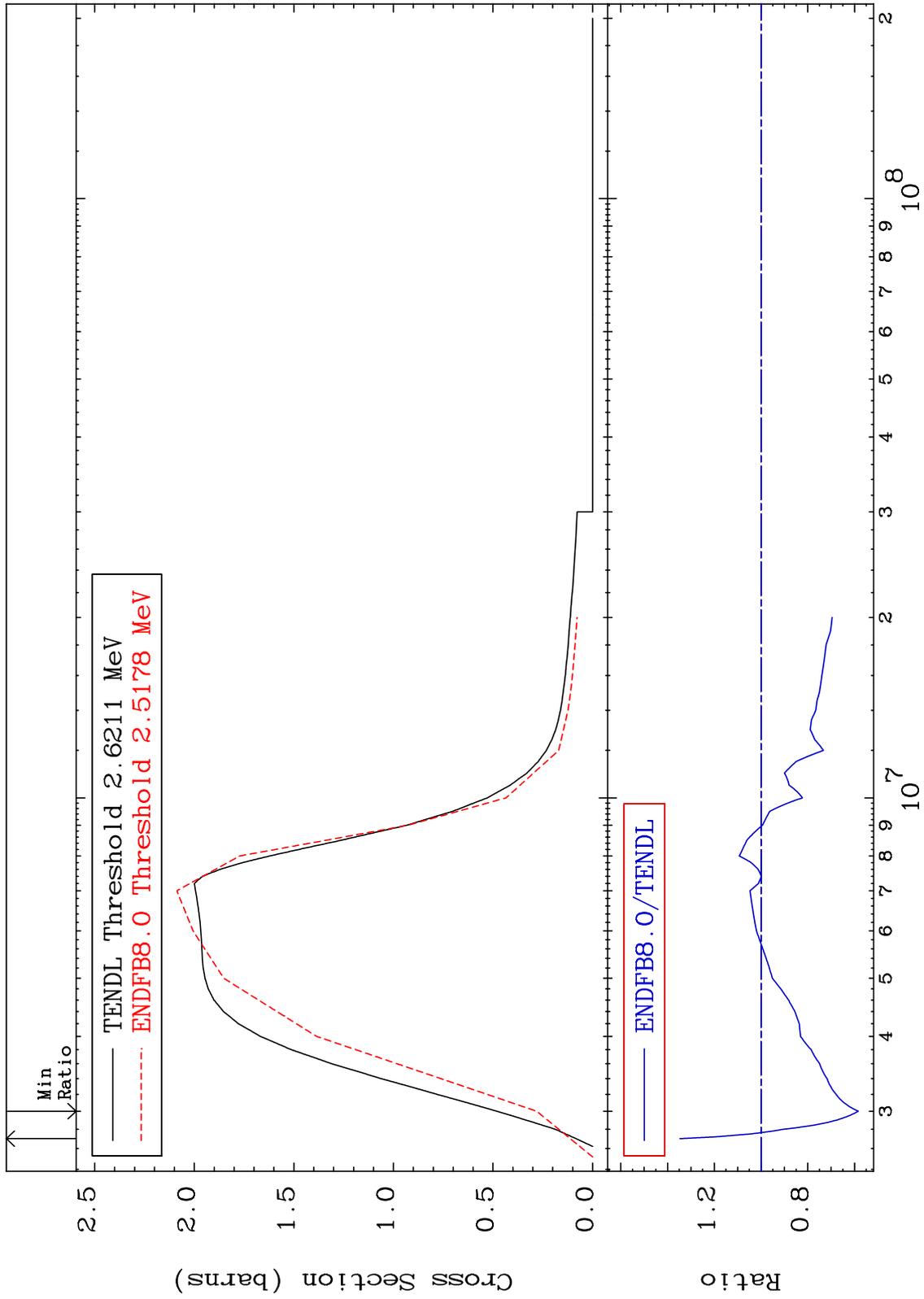
Incident Energy (eV)

58-Ce-142

MAT 5843

(n,n') Continuum
Cross Section

58-Ce-142
-41.65 To 34.70 %



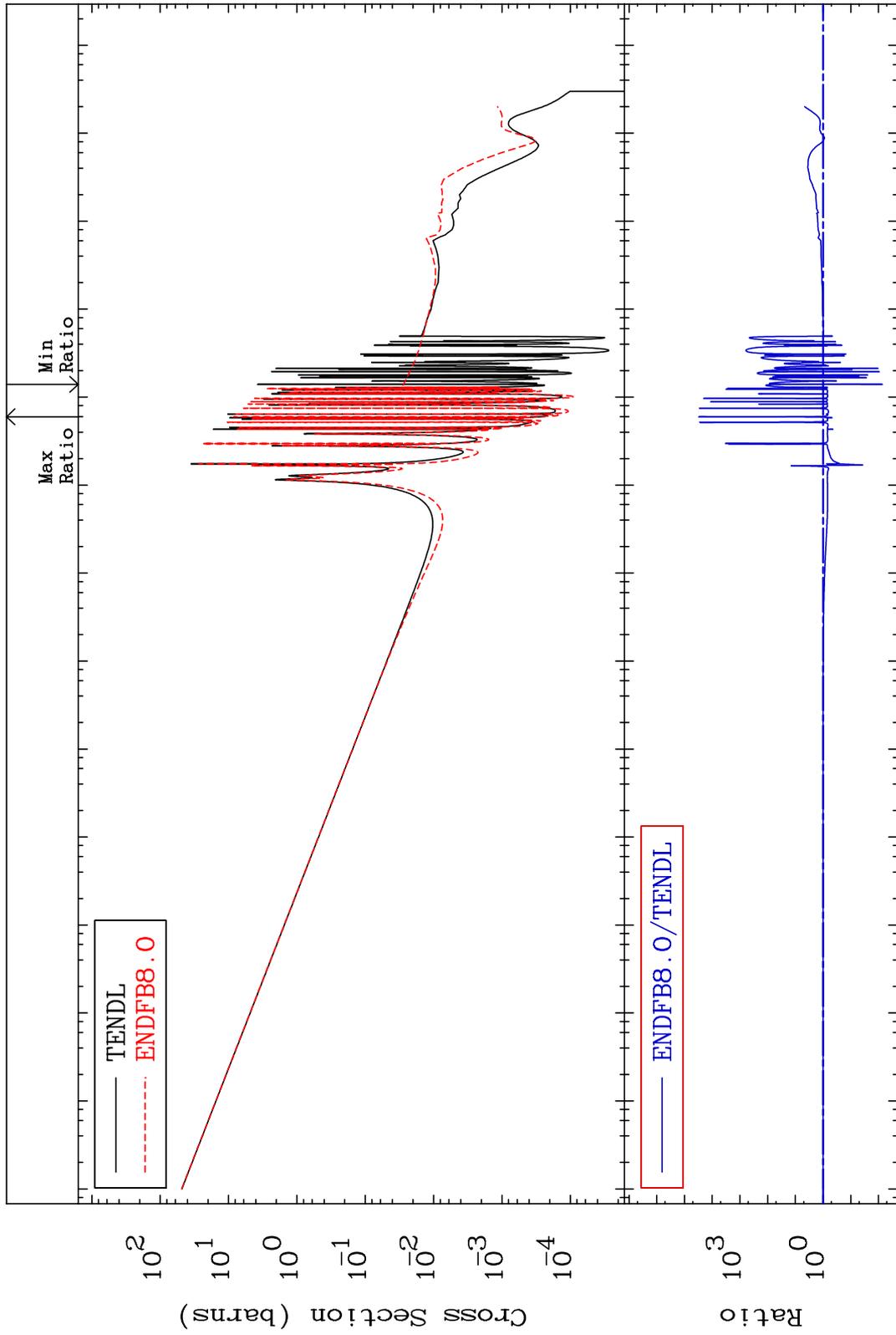
MAT 5843

(n, γ)

58-Ce-142

Cross Section

-99.26 To 9999. %



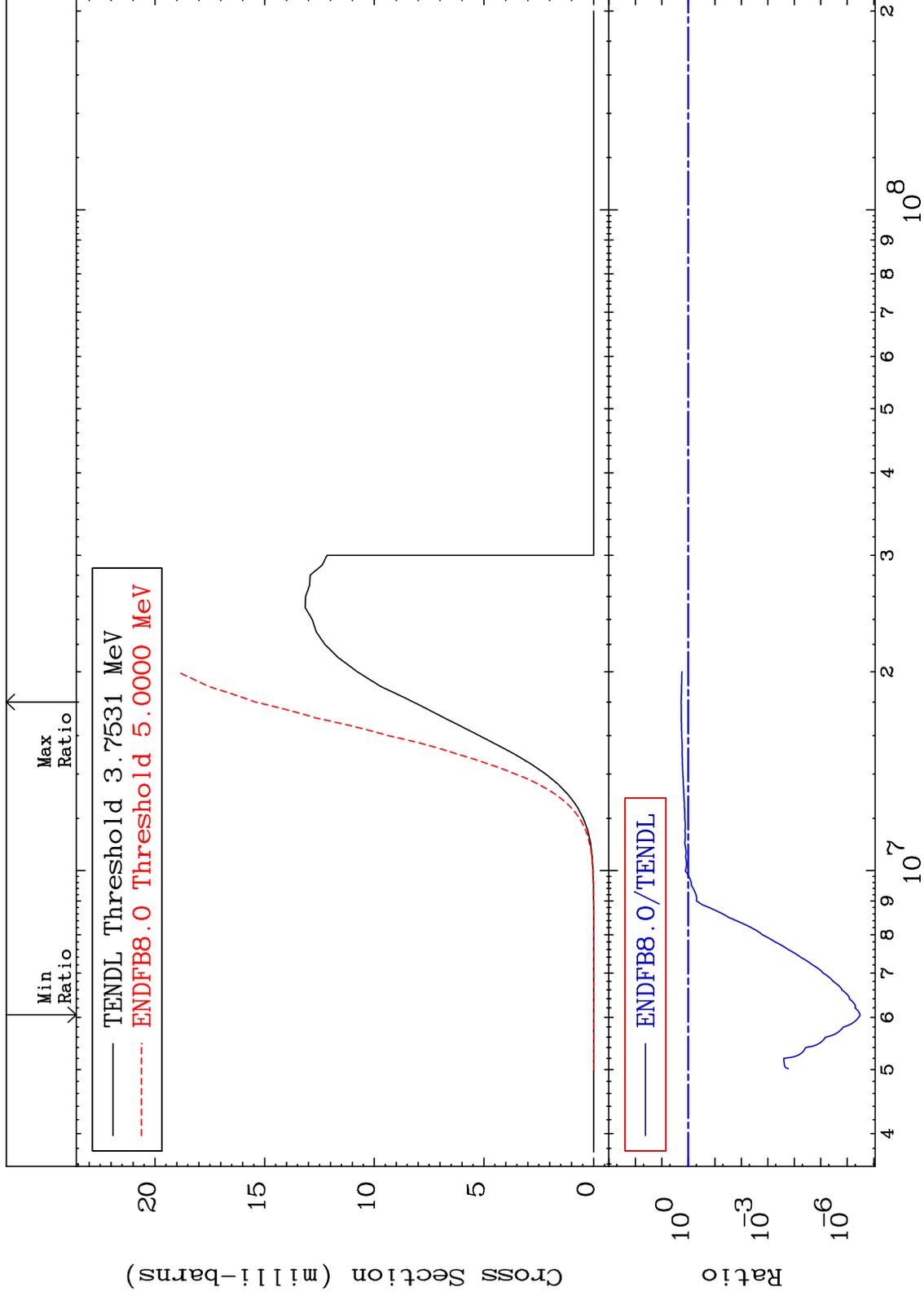
MAT 5843

(n,p)

58-Ce-142

Cross Section

-100.0 To 87.69 %



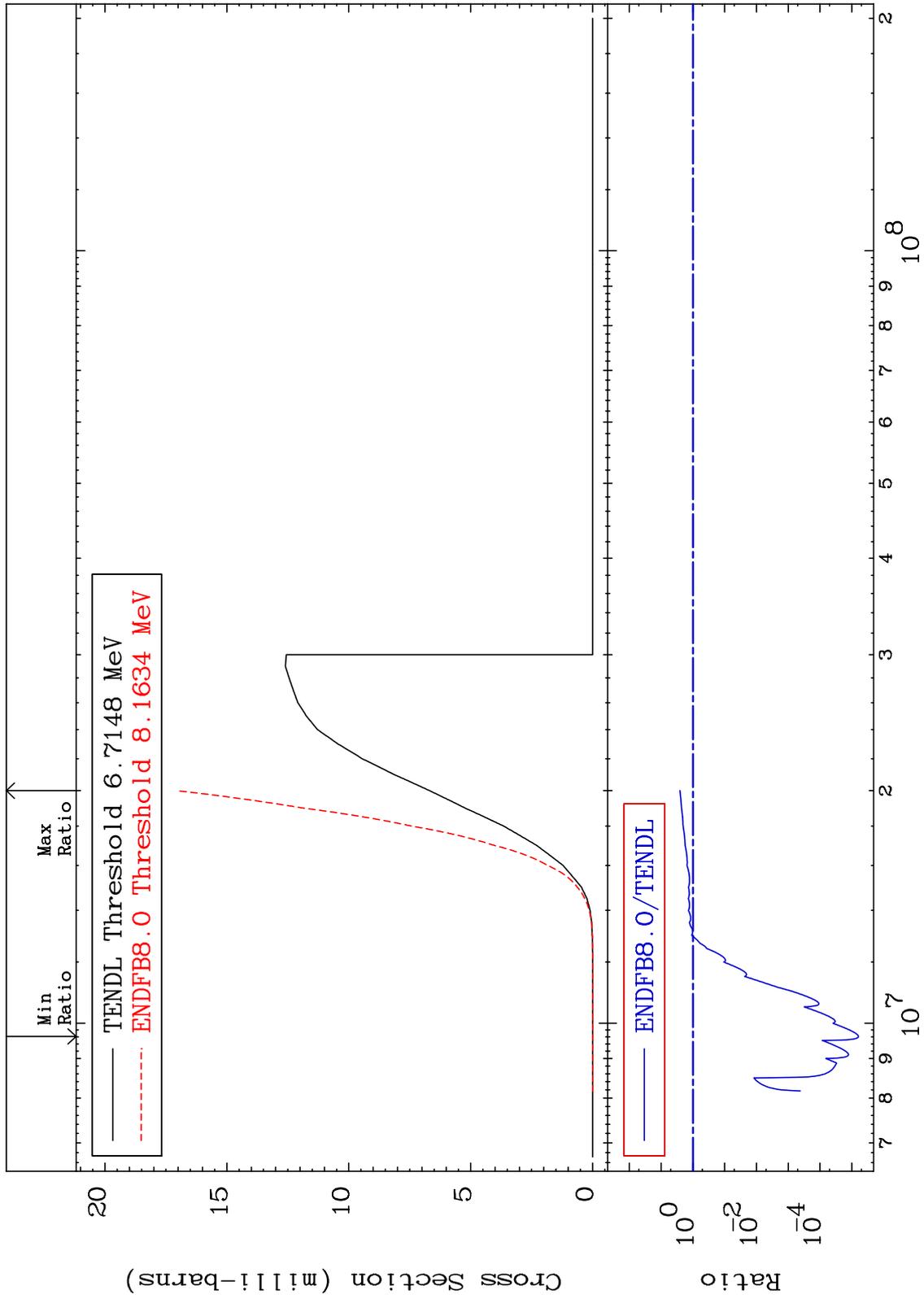
MAT 5843

(n, d)

58-Ce-142

Cross Section

-100.0 To 155.1 %



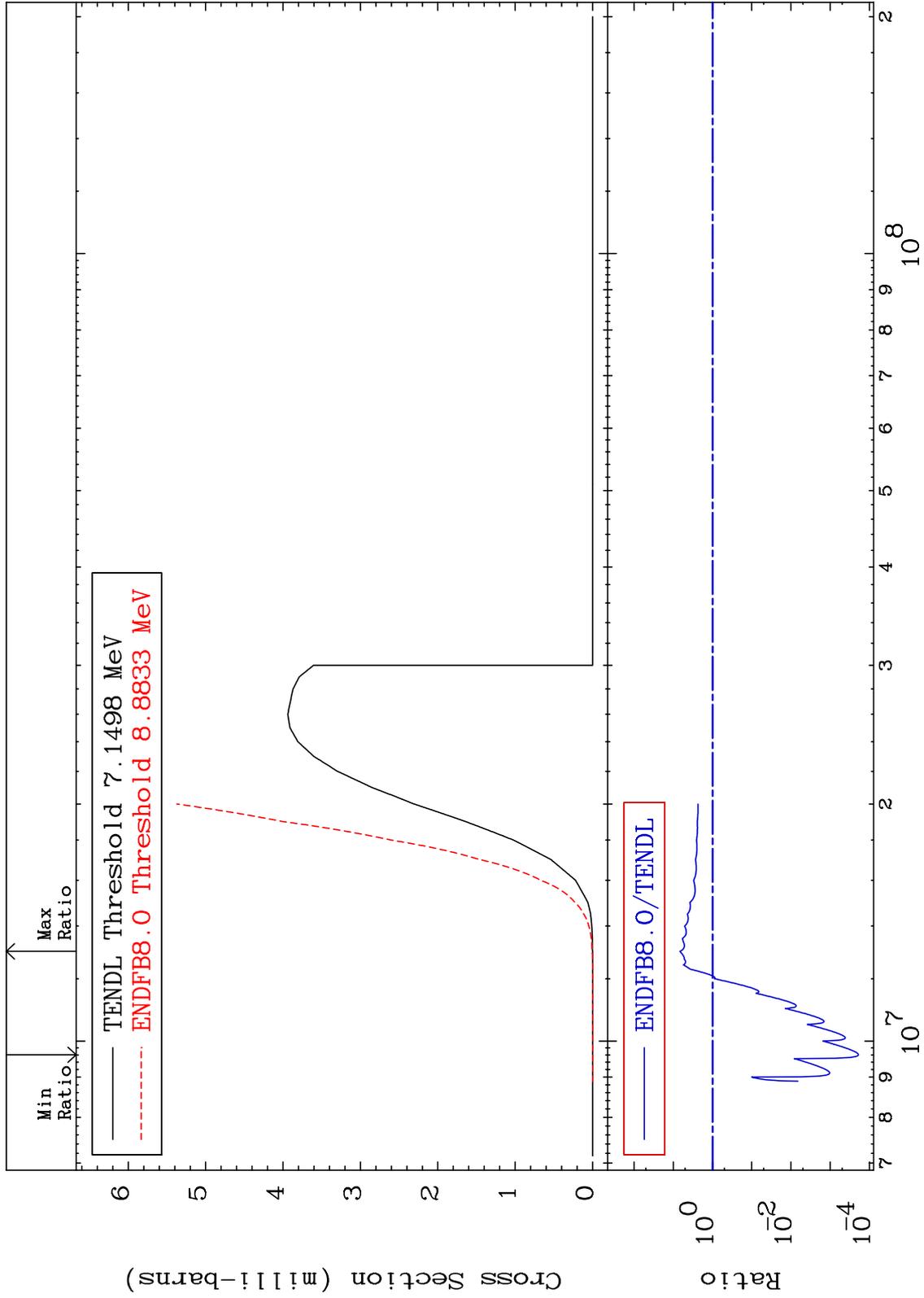
MAT 5843

(n, t)

58-Ce-142

Cross Section

-99.98 To 574.6 %



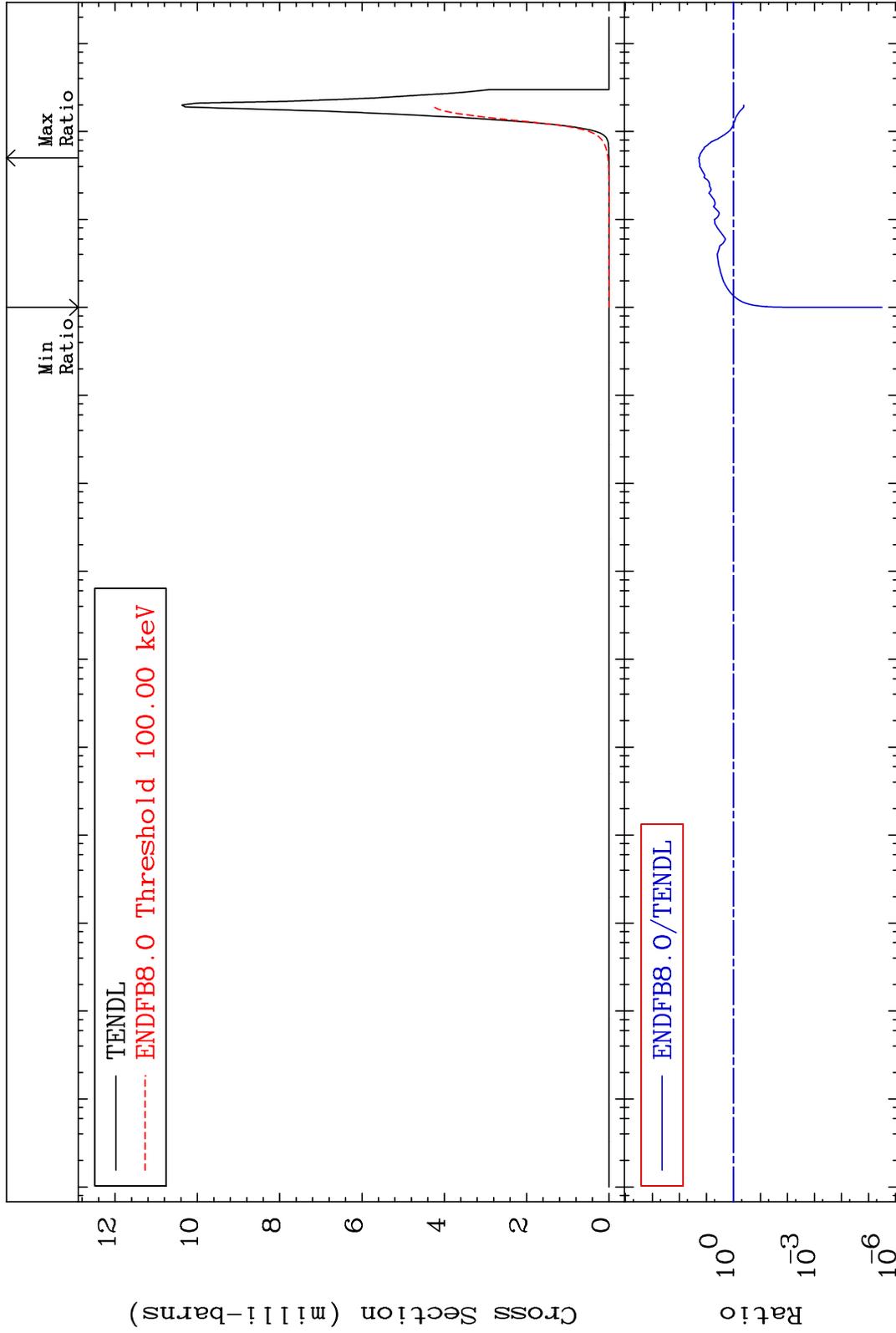
MAT 5843

(n, α)

58-Ce-142

Cross Section

-100.0 To 1829. %



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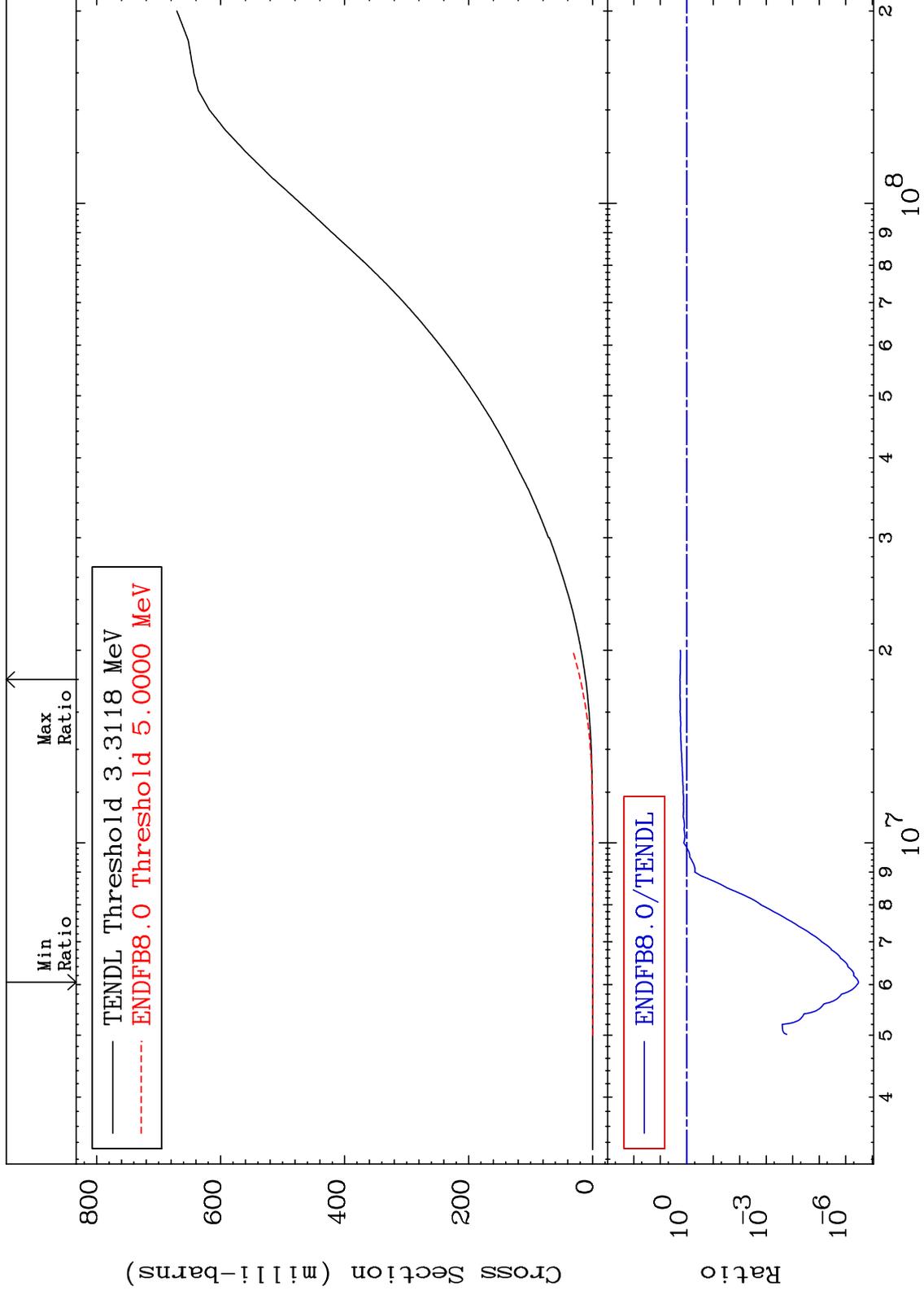
Incident Energy (eV)

58-Ce-142

MAT 5843

Hydrogen Production
Cross Section

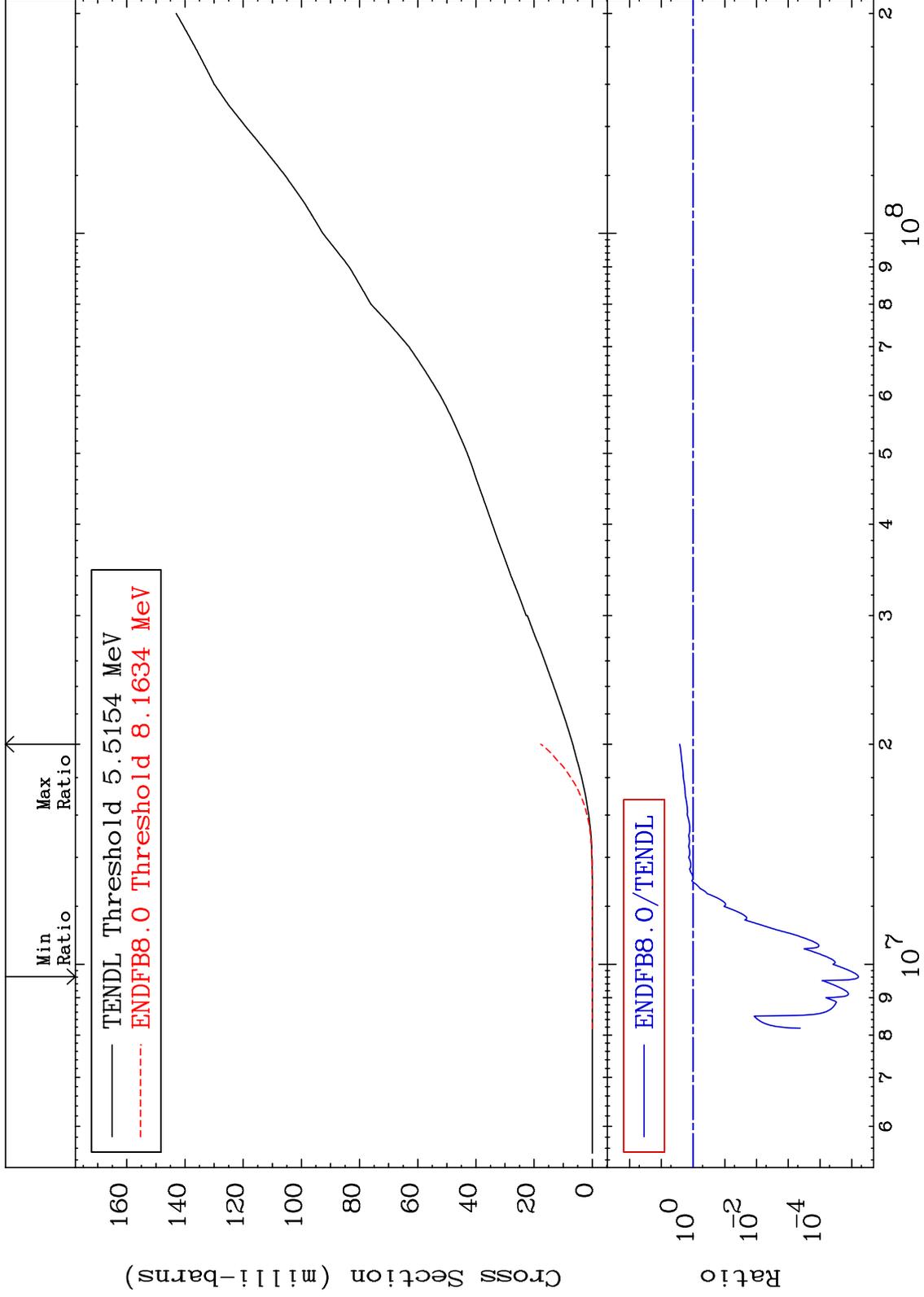
58-Ce-142
-100.0 To 80.64 %



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Deuterium Production
Cross Section

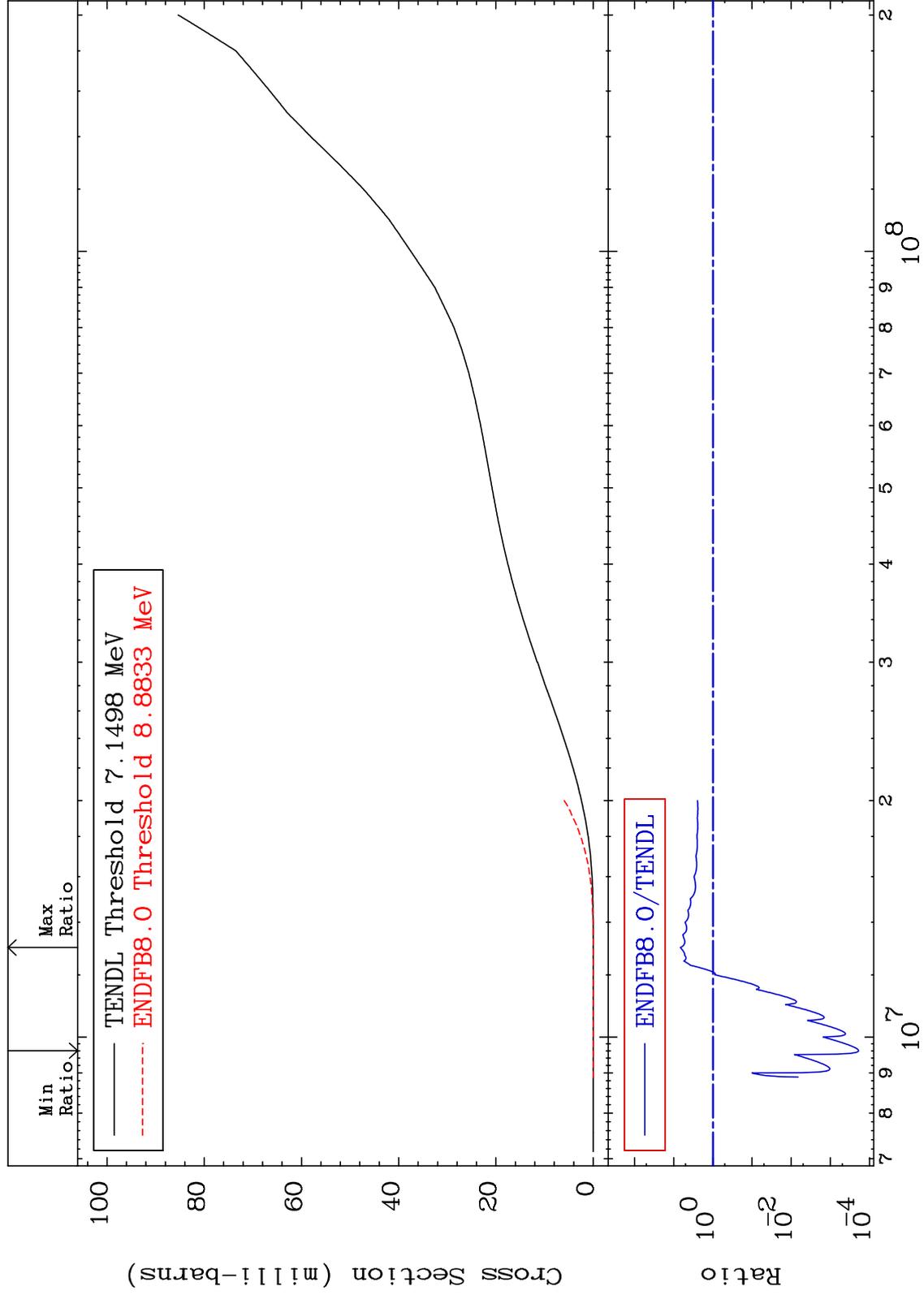
58-Ce-142
-100.0 To 163.6 %



MAT 5843

Tritium Production
Cross Section

58-Ce-142
-99.98 To 574.6 %



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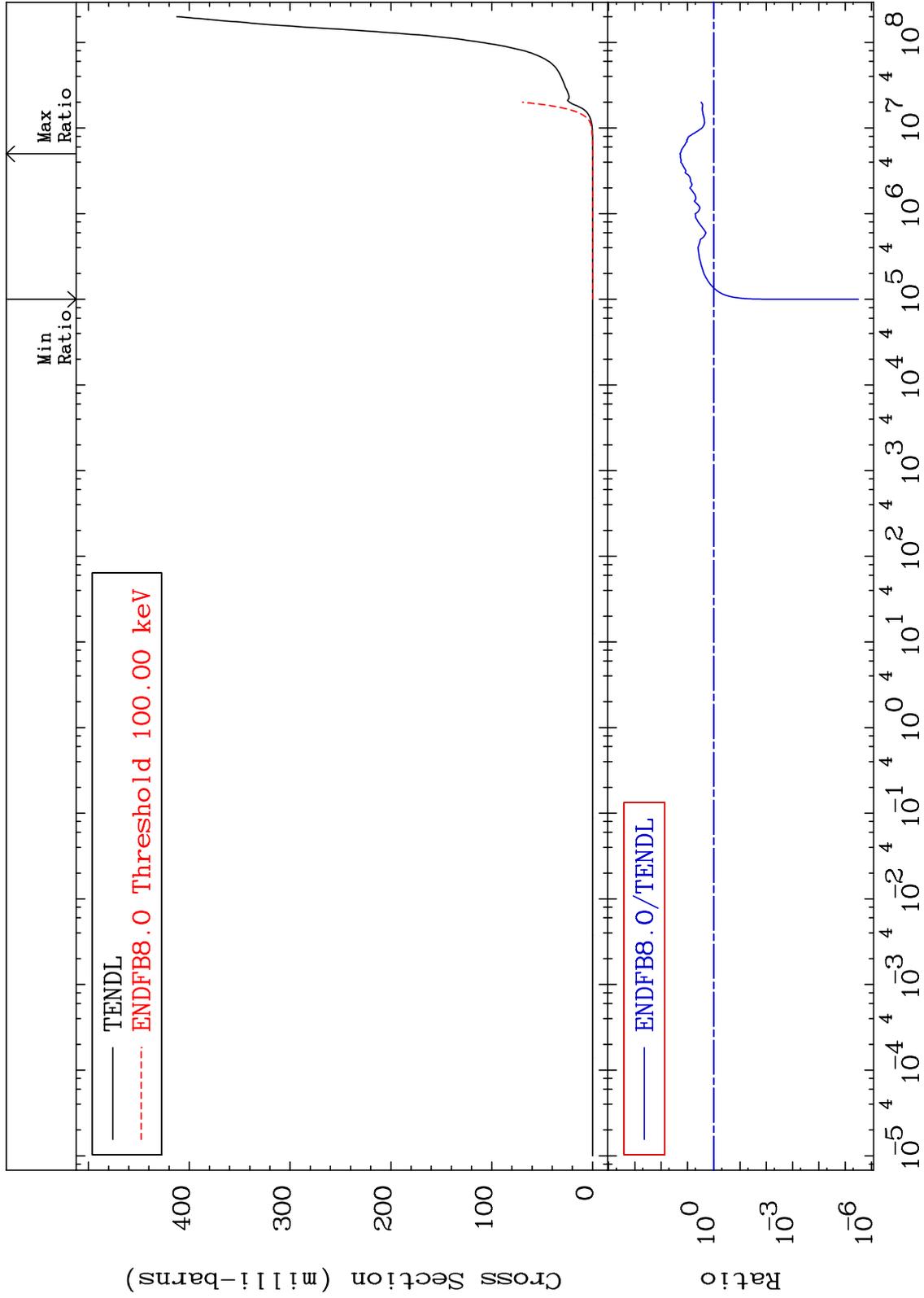
Incident Energy (eV)

58-Ce-142

MAT 5843

He-4 Production
Cross Section

58-Ce-142
-100.0 To 1830. %



28

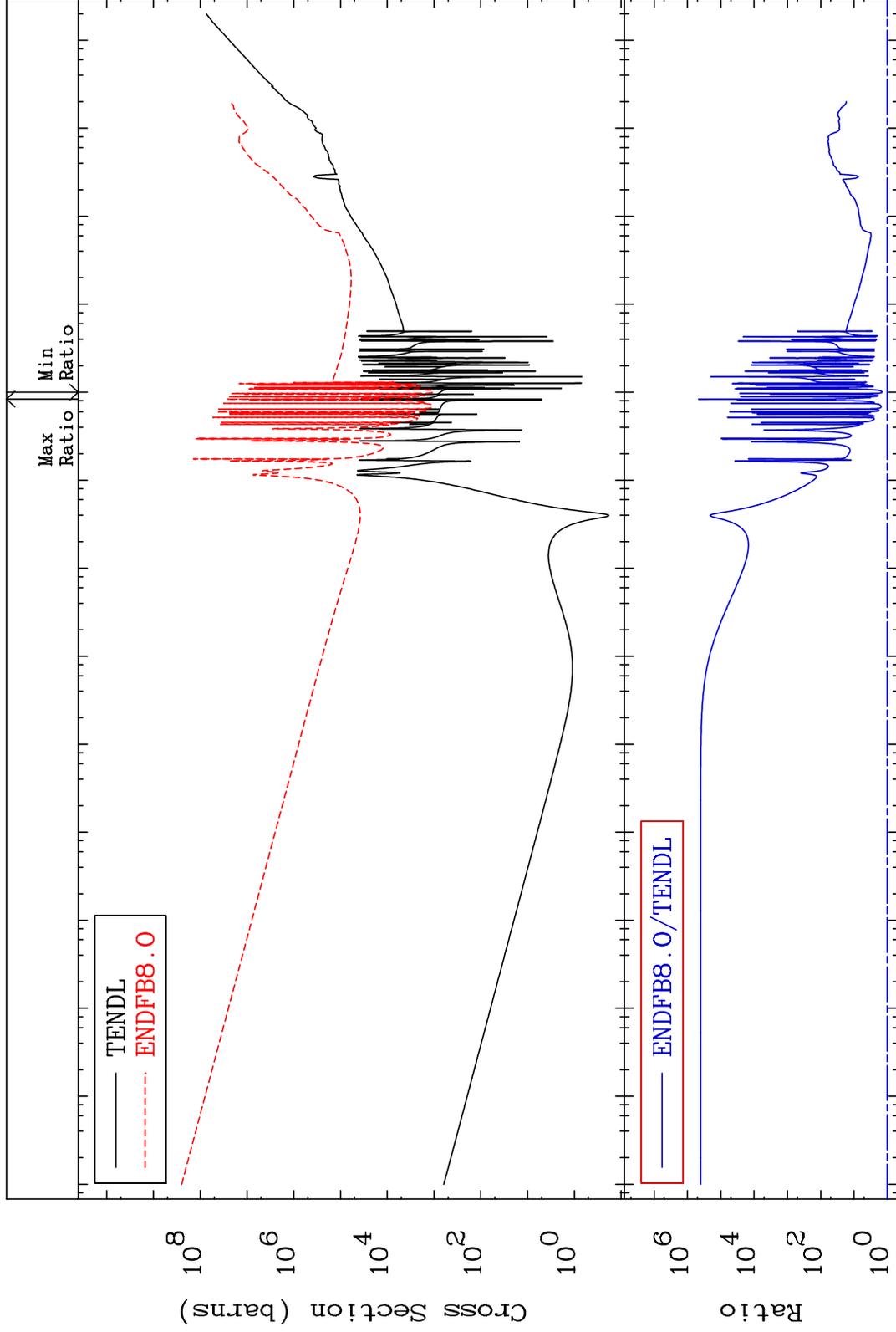
Incident Energy (eV)

58-Ce-142

MAT 5843

Kerma total (eV-barns)
Cross Section

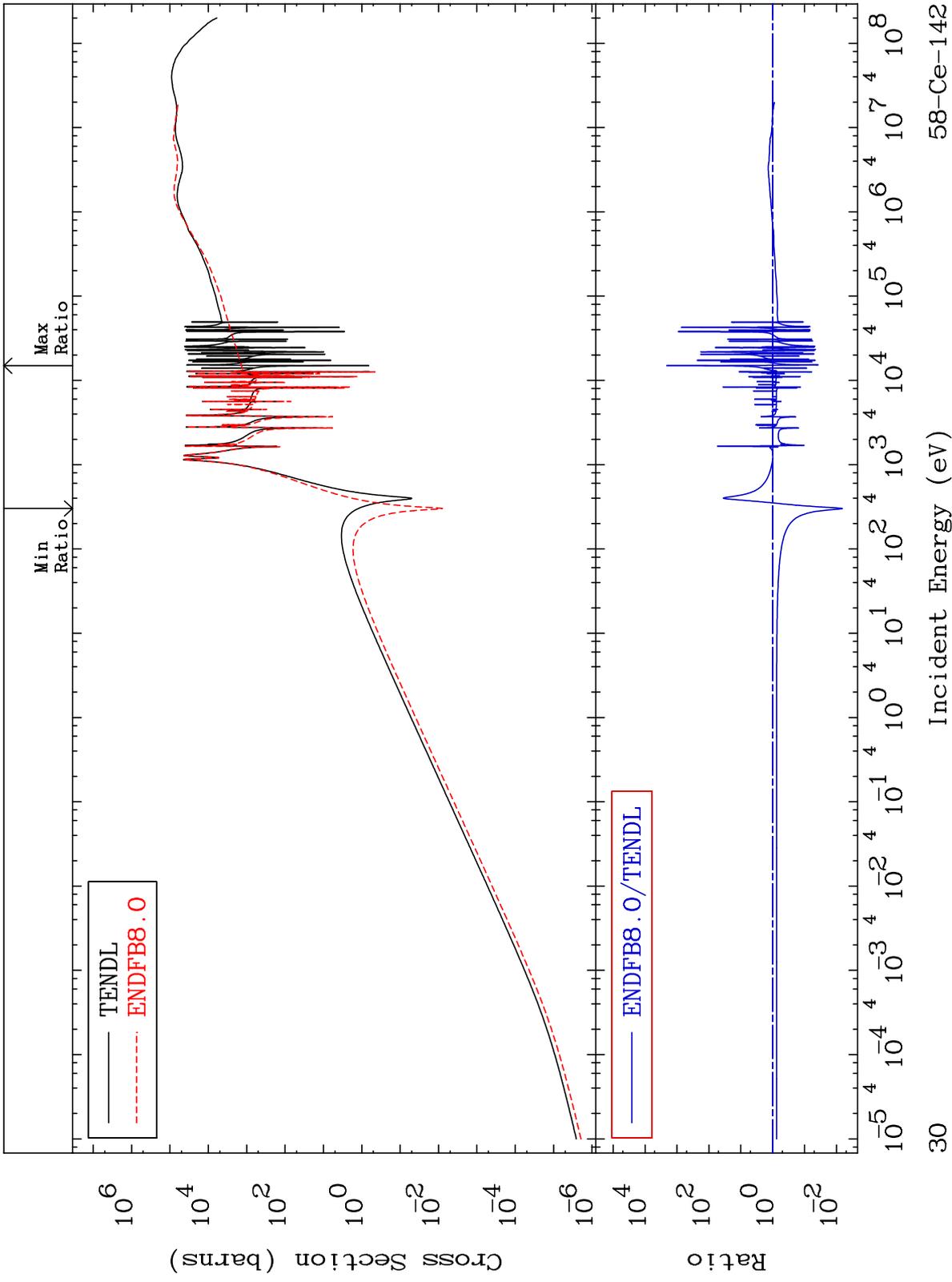
58-Ce-142
44.25 To 9999. %



MAT 5843

Kerma elastic
Cross Section

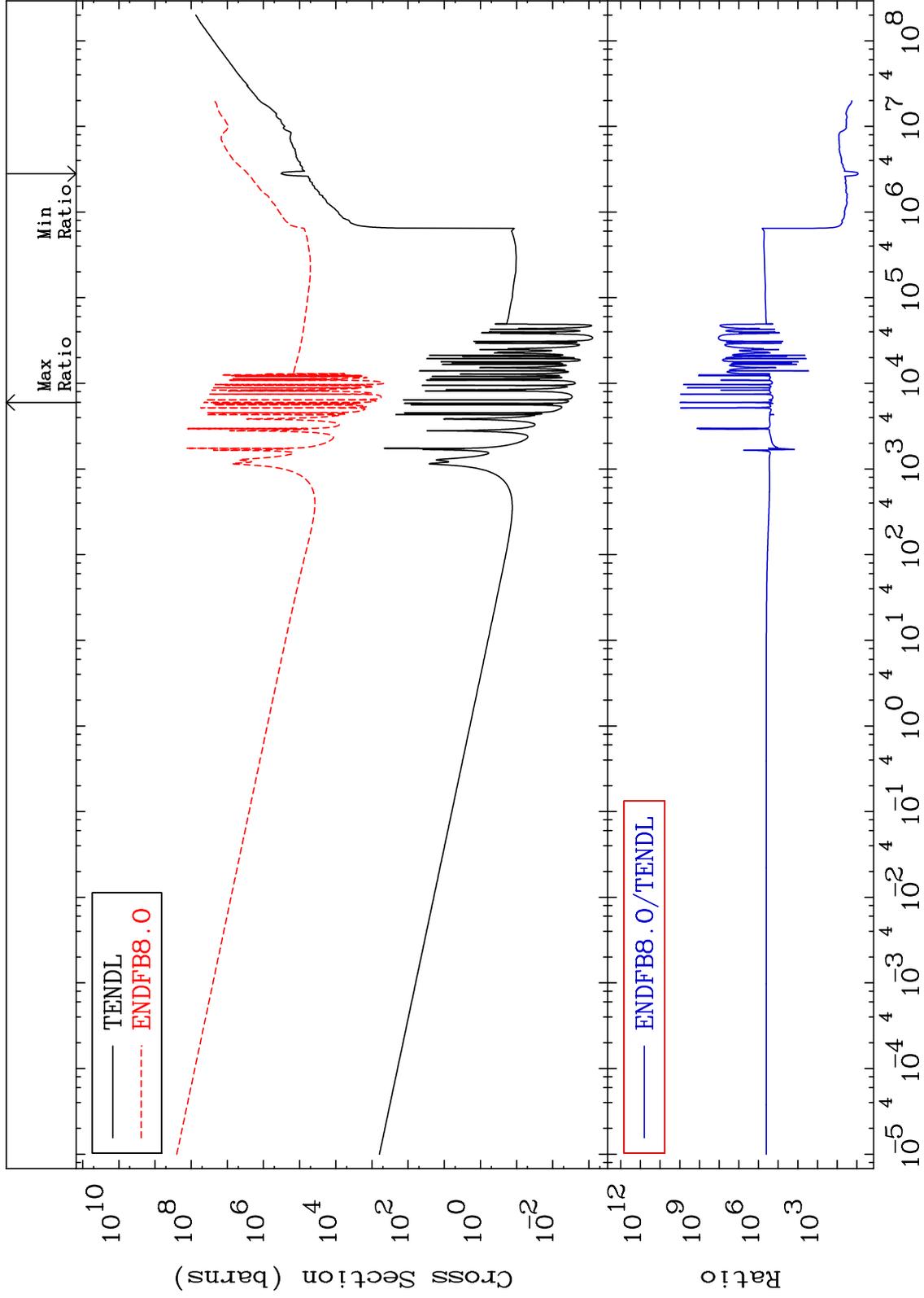
58-Ce-142
-99.35 To 9999. %



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Kerma non-elastic (all but mt2)
Cross Section

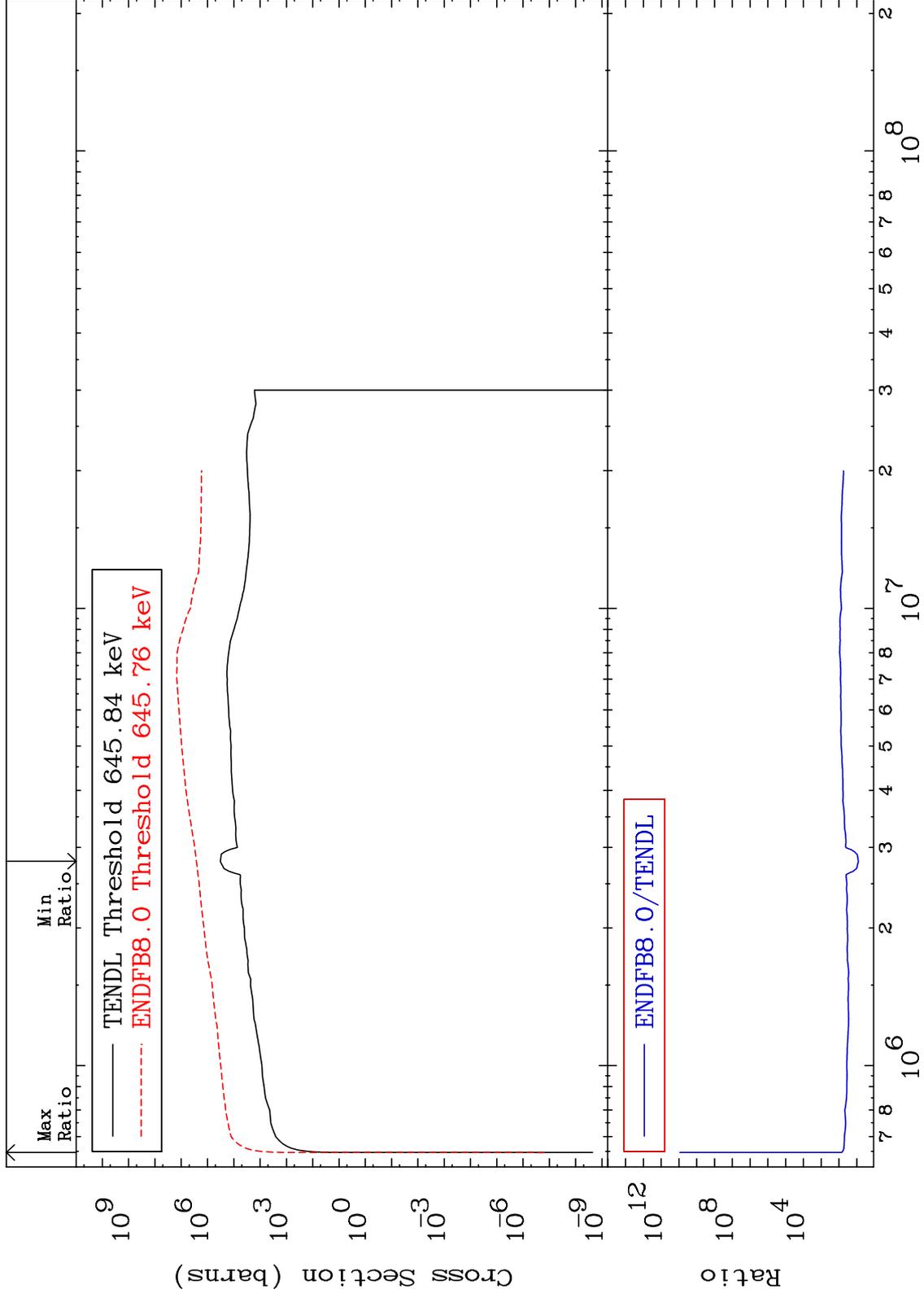
58-Ce-142
733.3 To 9999. %



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Kerma inelastic (mt51-91)
Cross Section

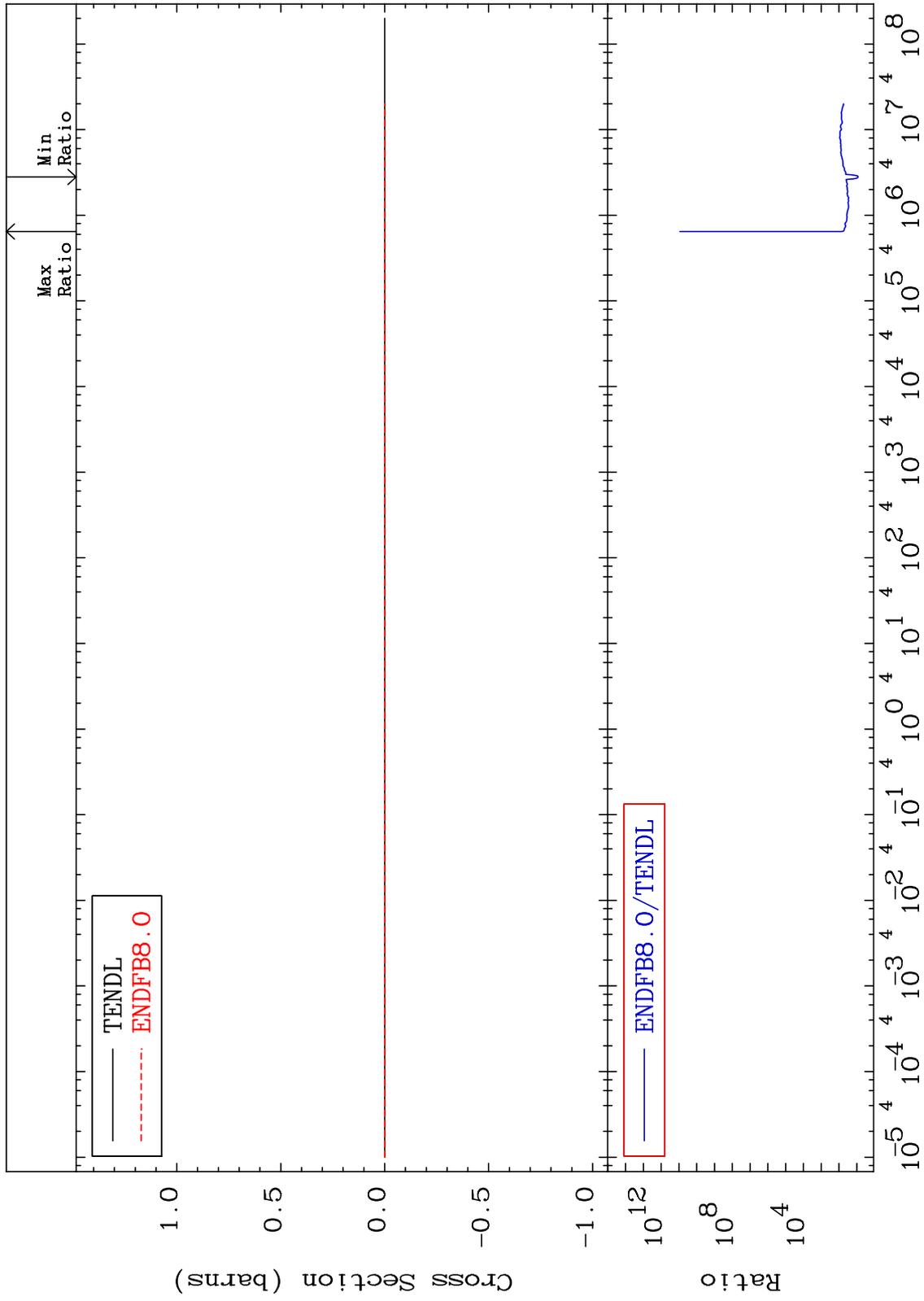
58-Ce-142
715.3 To 9999. %



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

58-Ce-142
715.3 To 9999. %



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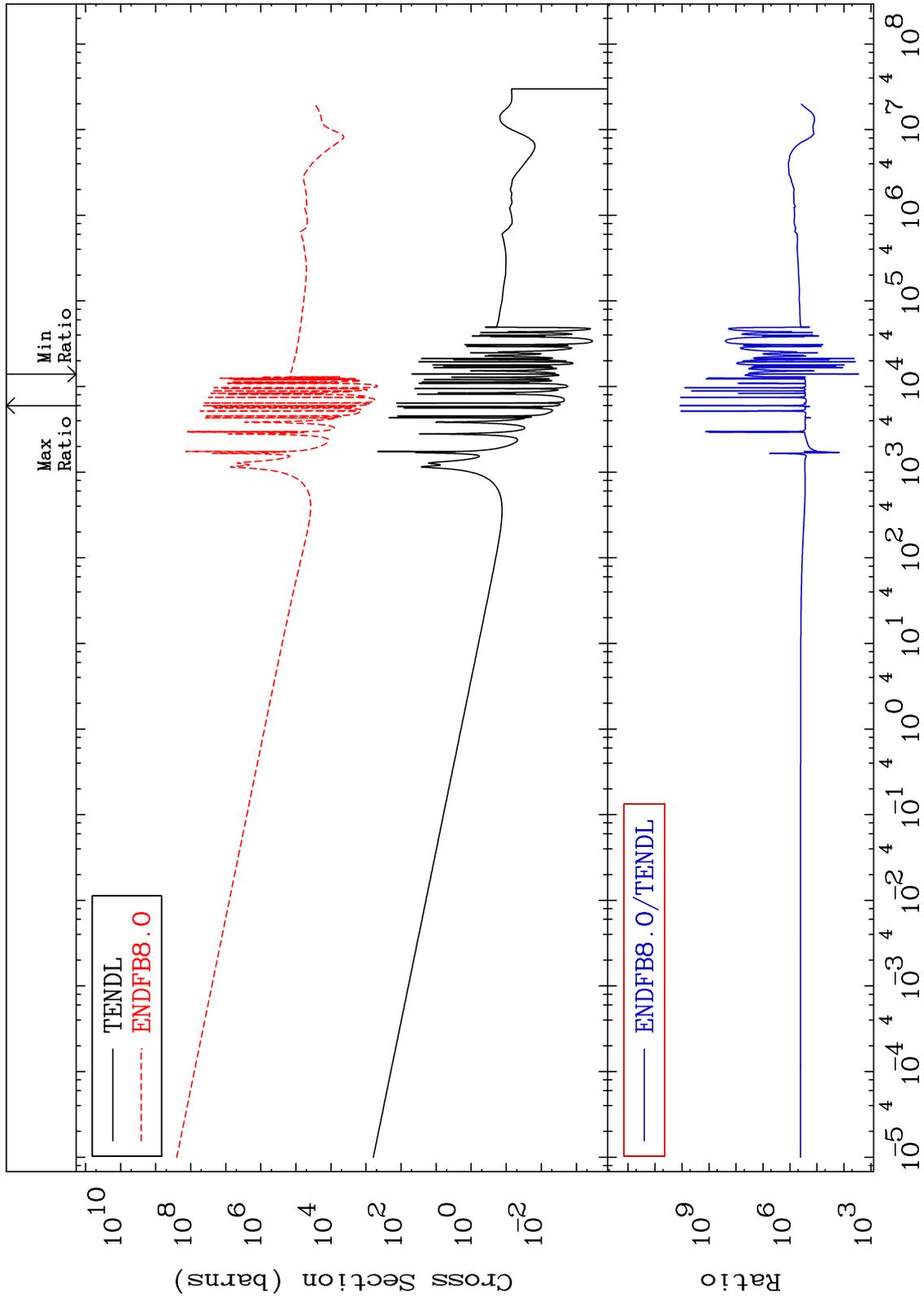
Incident Energy (eV)

58-Ce-142

MAT 5843

Kerma capture (mt102)
Cross Section

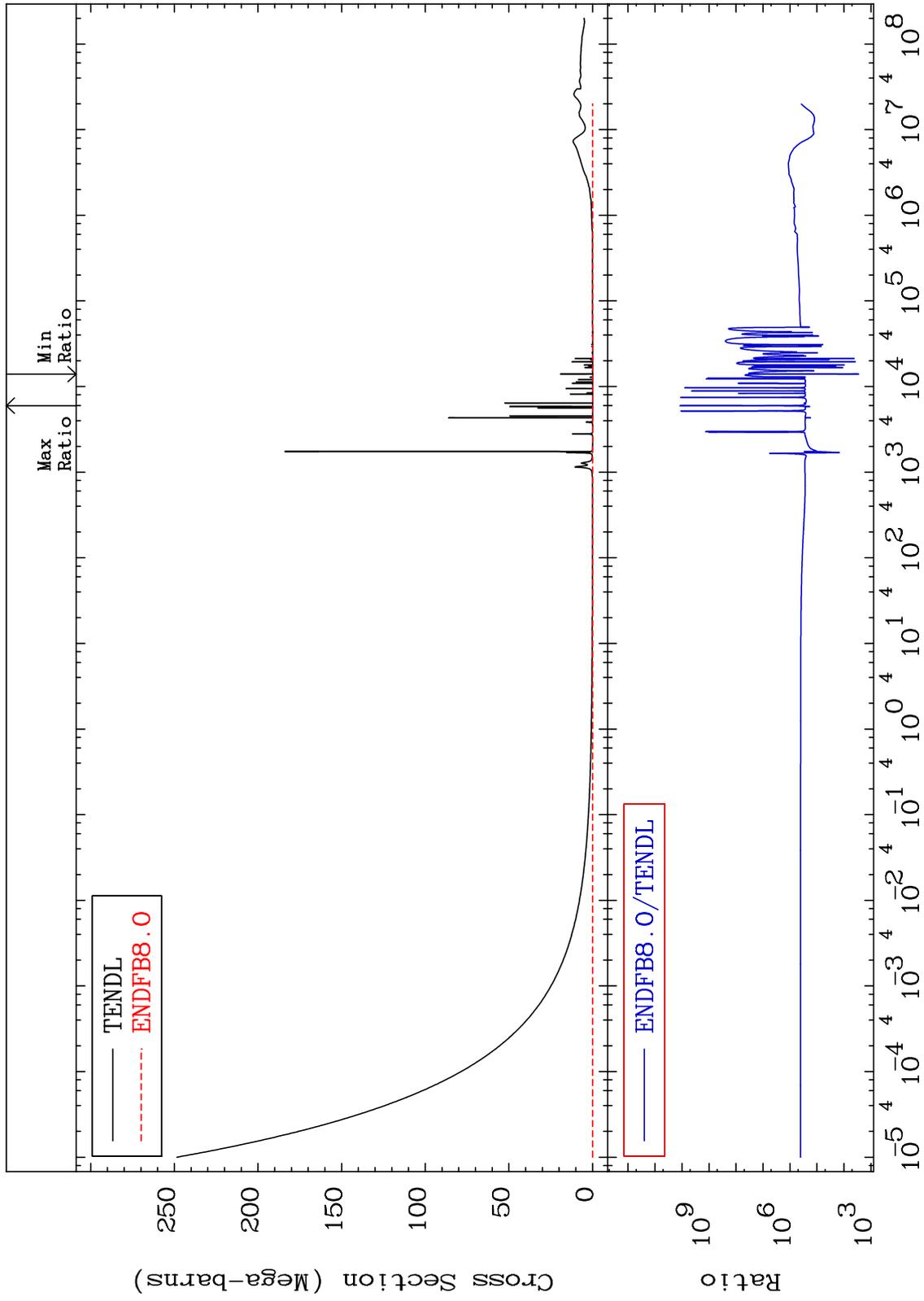
58-Ce-142
9999. To 9999. %



MAT 5843

Total photon (eV-barns)
Cross Section

58-Ce-142
9999. To 9999. %



35

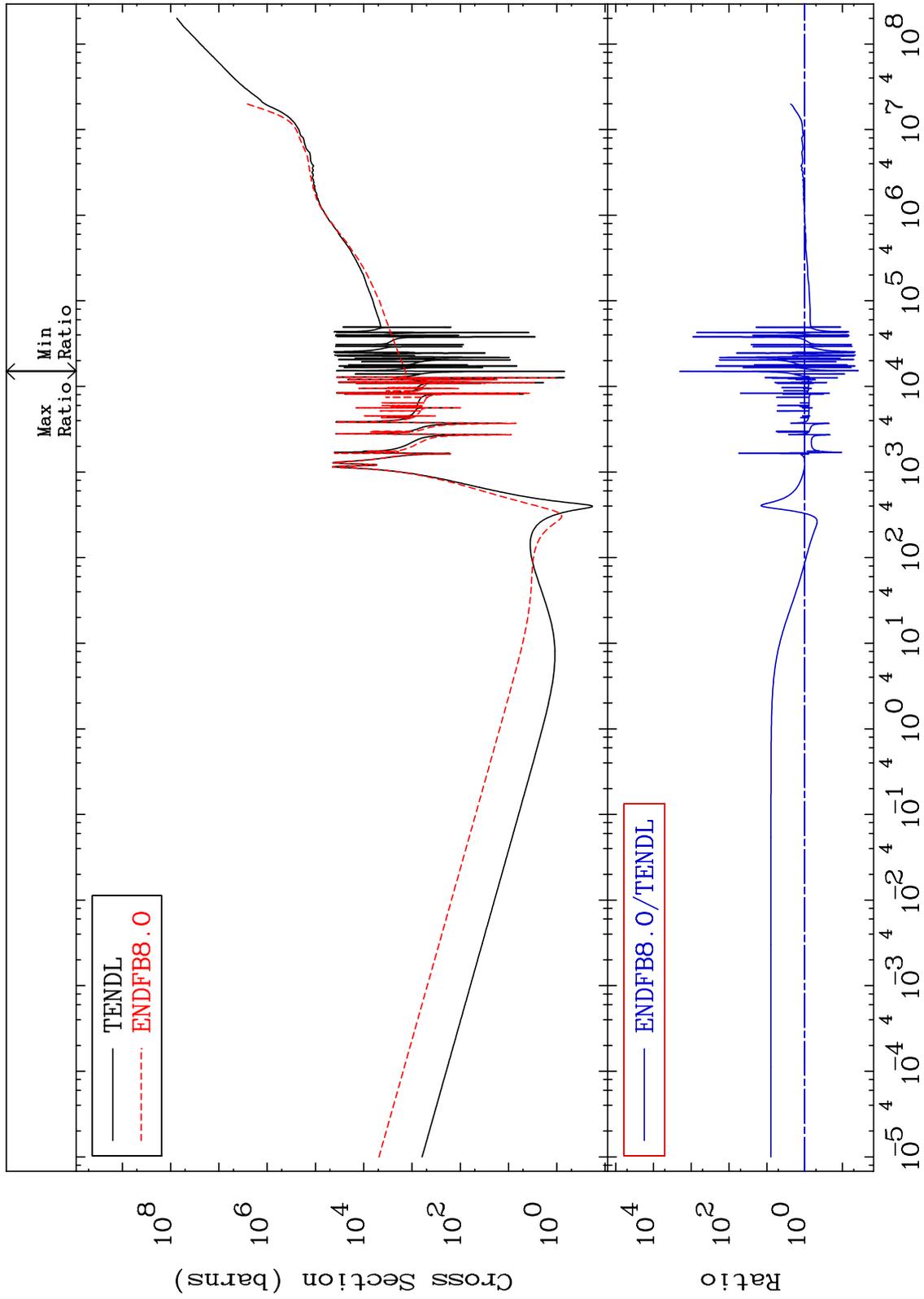
Incident Energy (eV)

58-Ce-142

MAT 5843

Total kinematic kerma (high limit)
Cross Section

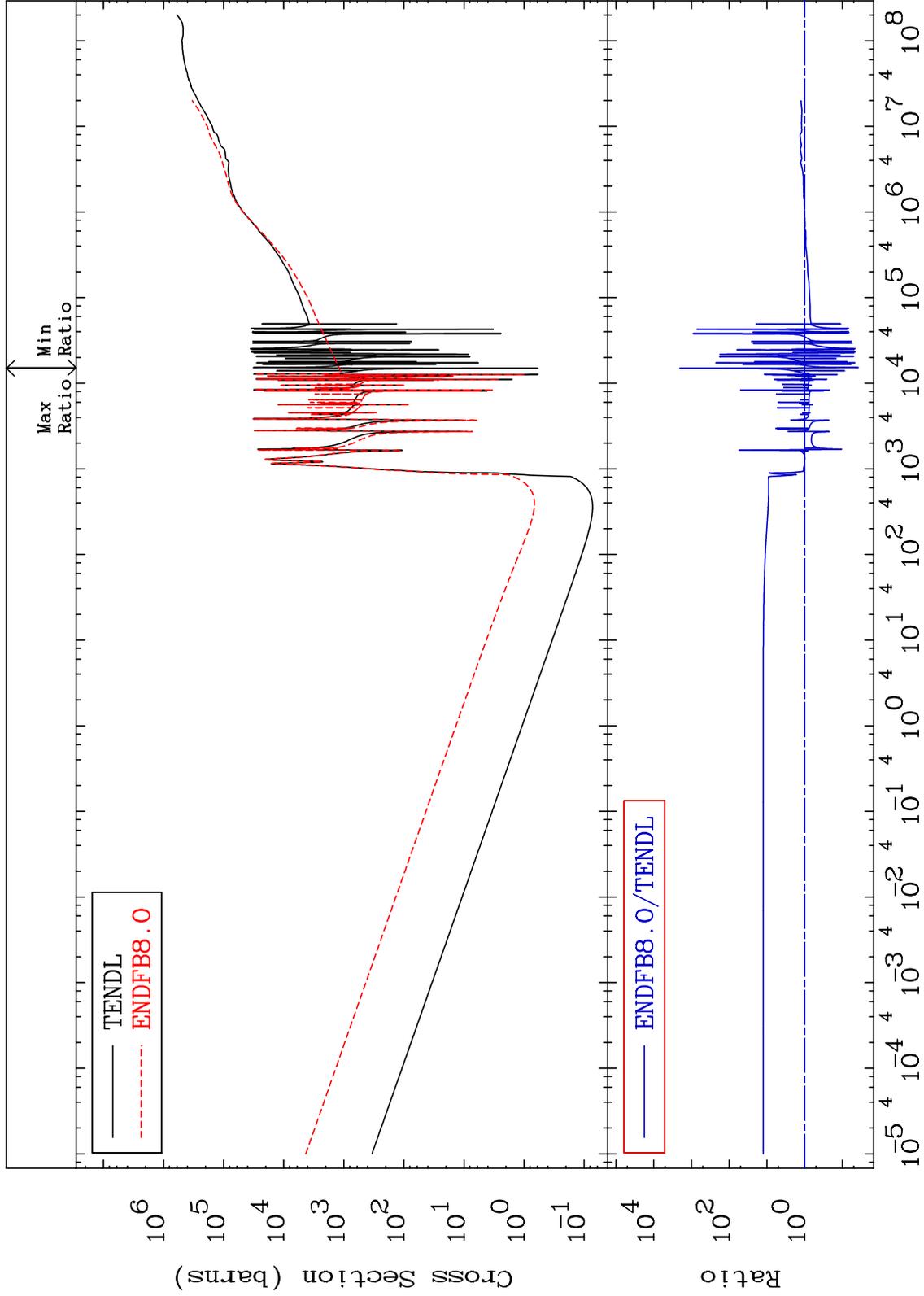
58-Ce-142
-96.21 To 9999. %



MAT 5843

Dpa total (eV-barns)
Cross Section

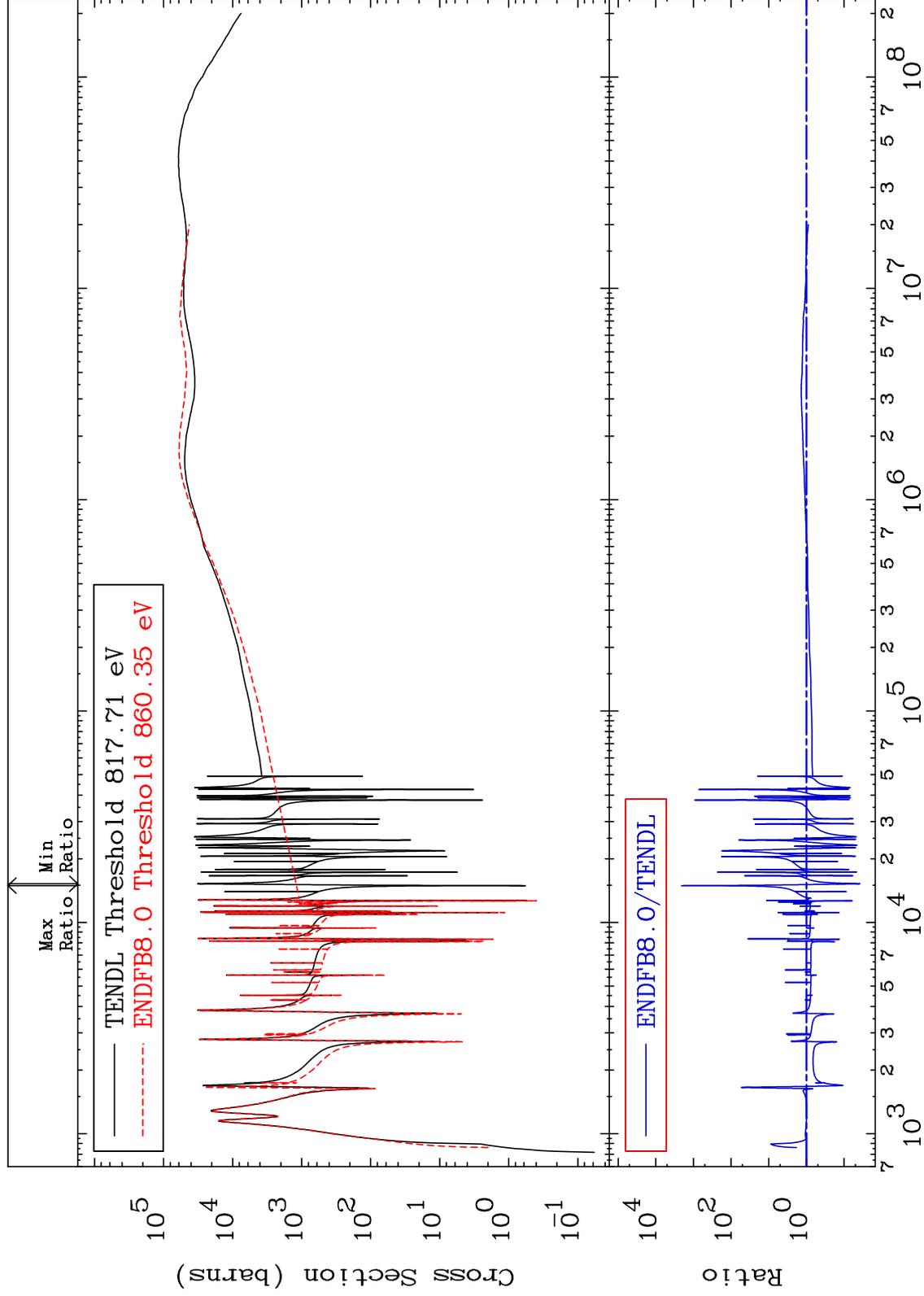
58-Ce-142
-96.21 To 9999. %



MAT 5843

Dpa elastic (mt2)
Cross Section

58-Ce-142
-96.23 To 9999. %



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Incident Energy (eV)

58-Ce-142

MAT 5843

Dpa inelastic (mt51-91)
Cross Section

58-Ce-142
-55.61 To 9999. %

