

Program Complot
(Version 2021-1)

by

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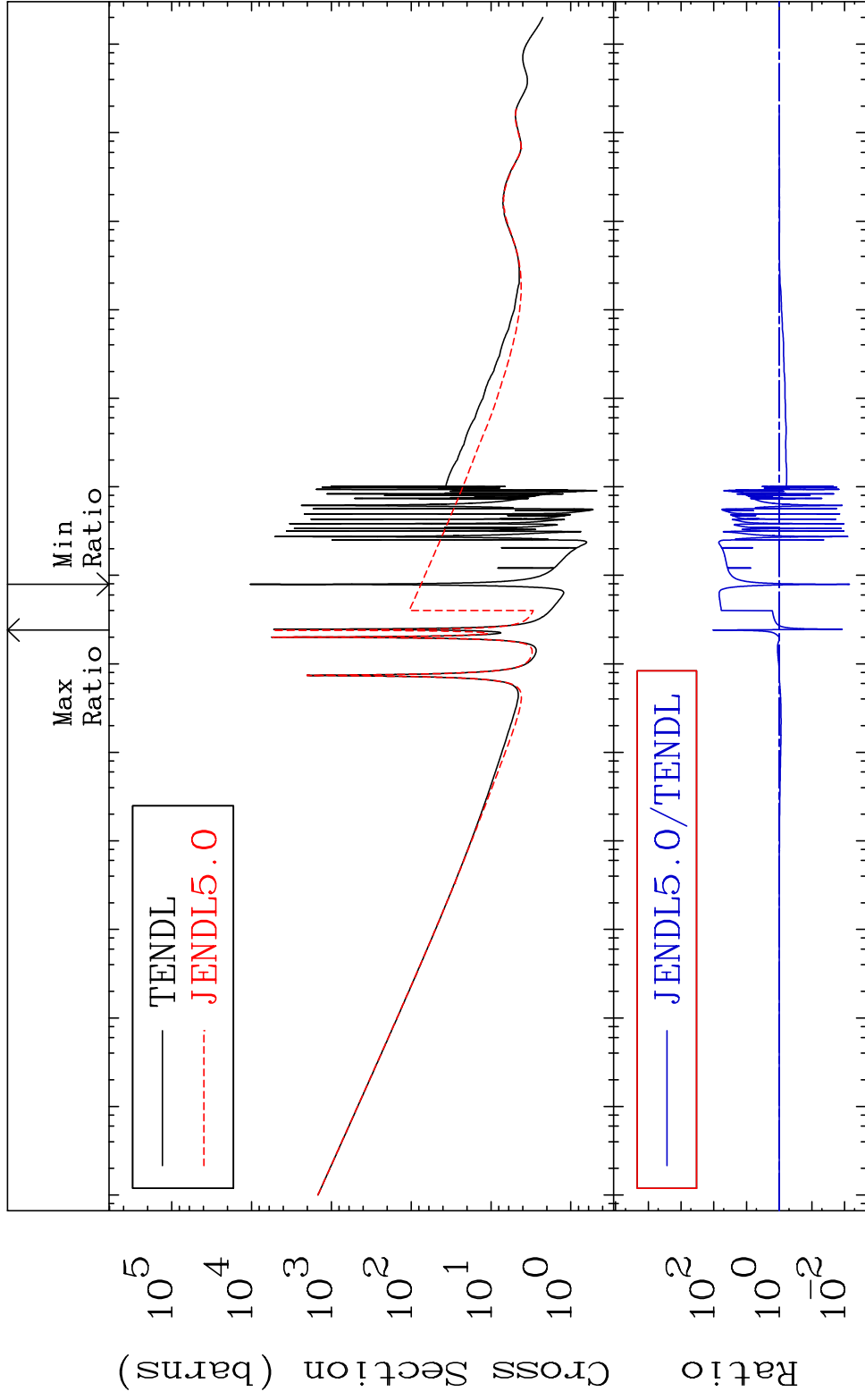
Press Mouse Button to Start

MAT 5840

Total

58-Ce-141

Cross Section -99.28 To 9999. %



1

Incident Energy (eV)

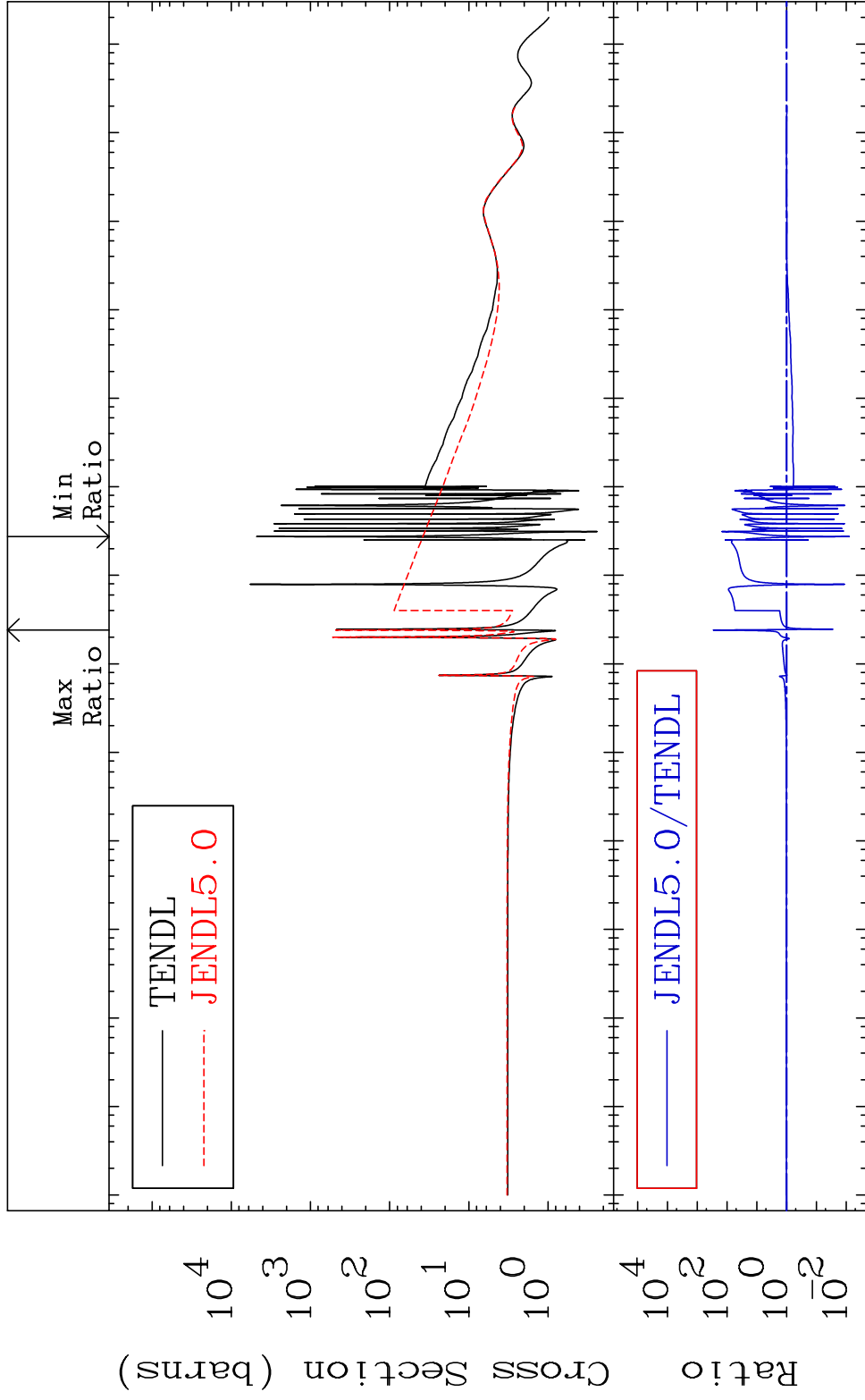
58-Ce-141

MAT 5840

Elastic

58-Ce-141

Cross Section -99.20 To 9999. %

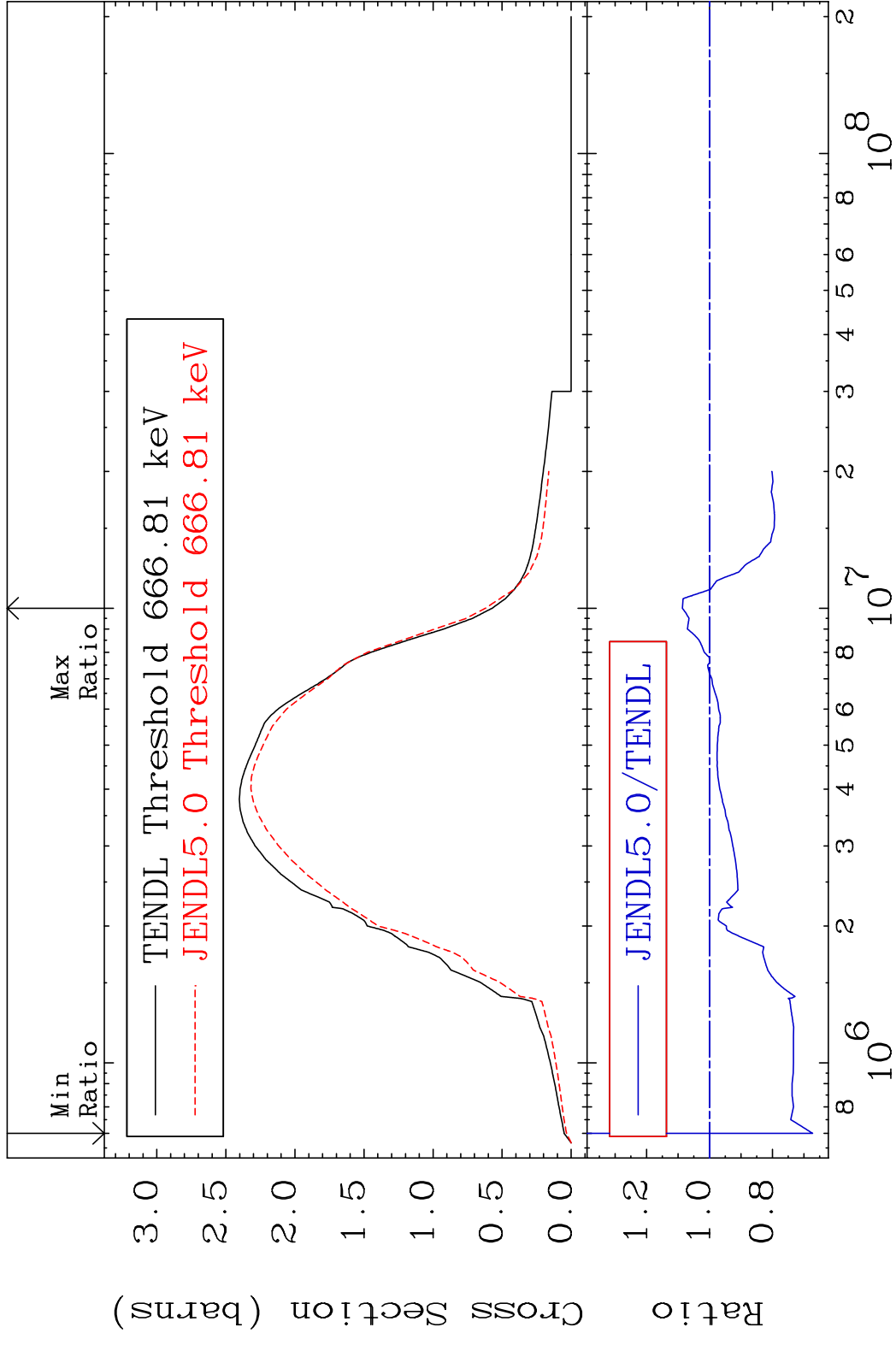


2

Incident Energy (eV)

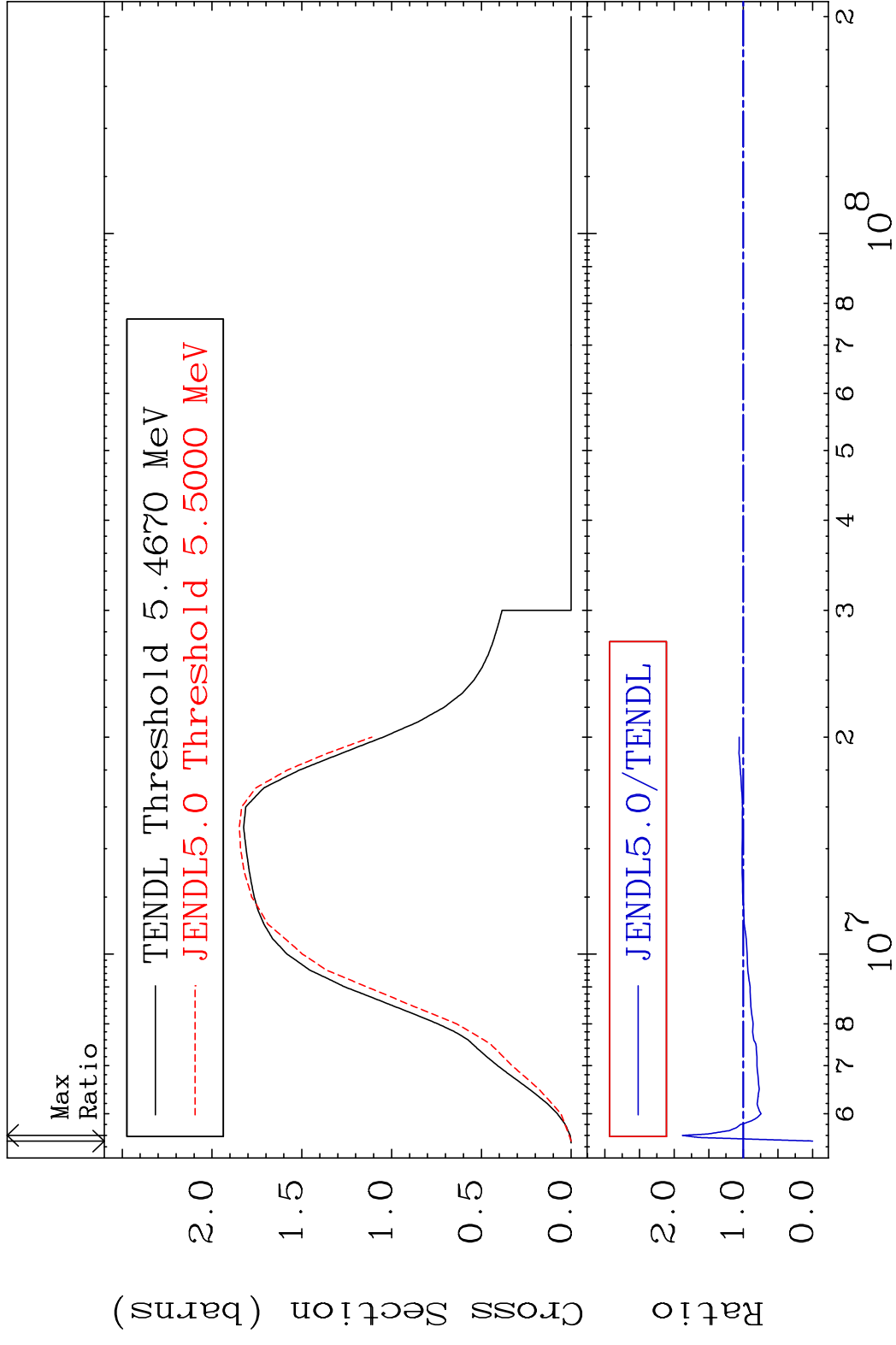
58-Ce-141

MAT 5840 Inelastic 58-Ce-141
 Cross Section -32.77 To 8.620 %



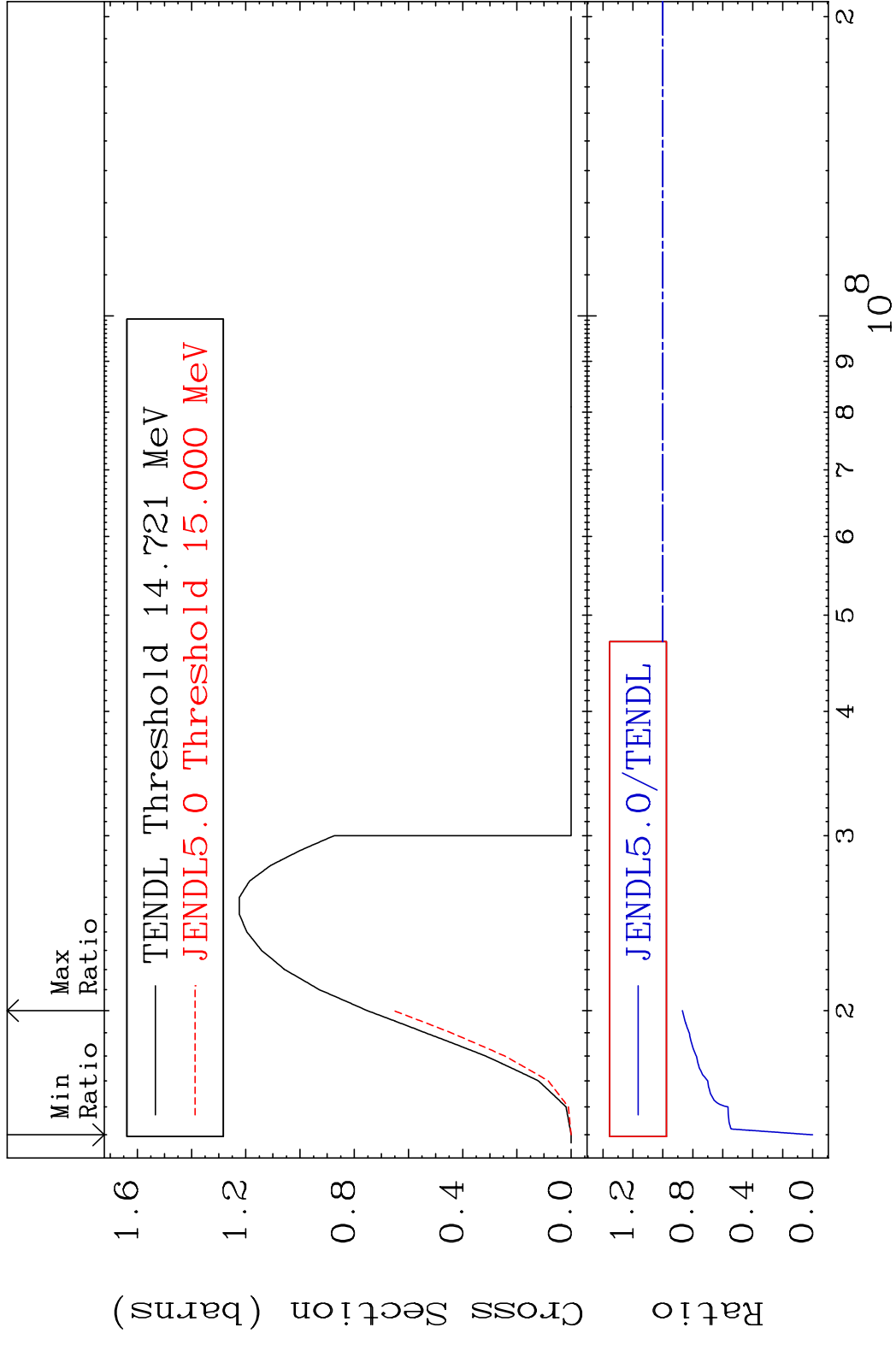
3 Incident Energy (eV) 58-Ce-141

MAT 5840 (n,2n) 58-Ce-141
Cross Section -100.0 To 88.12 %

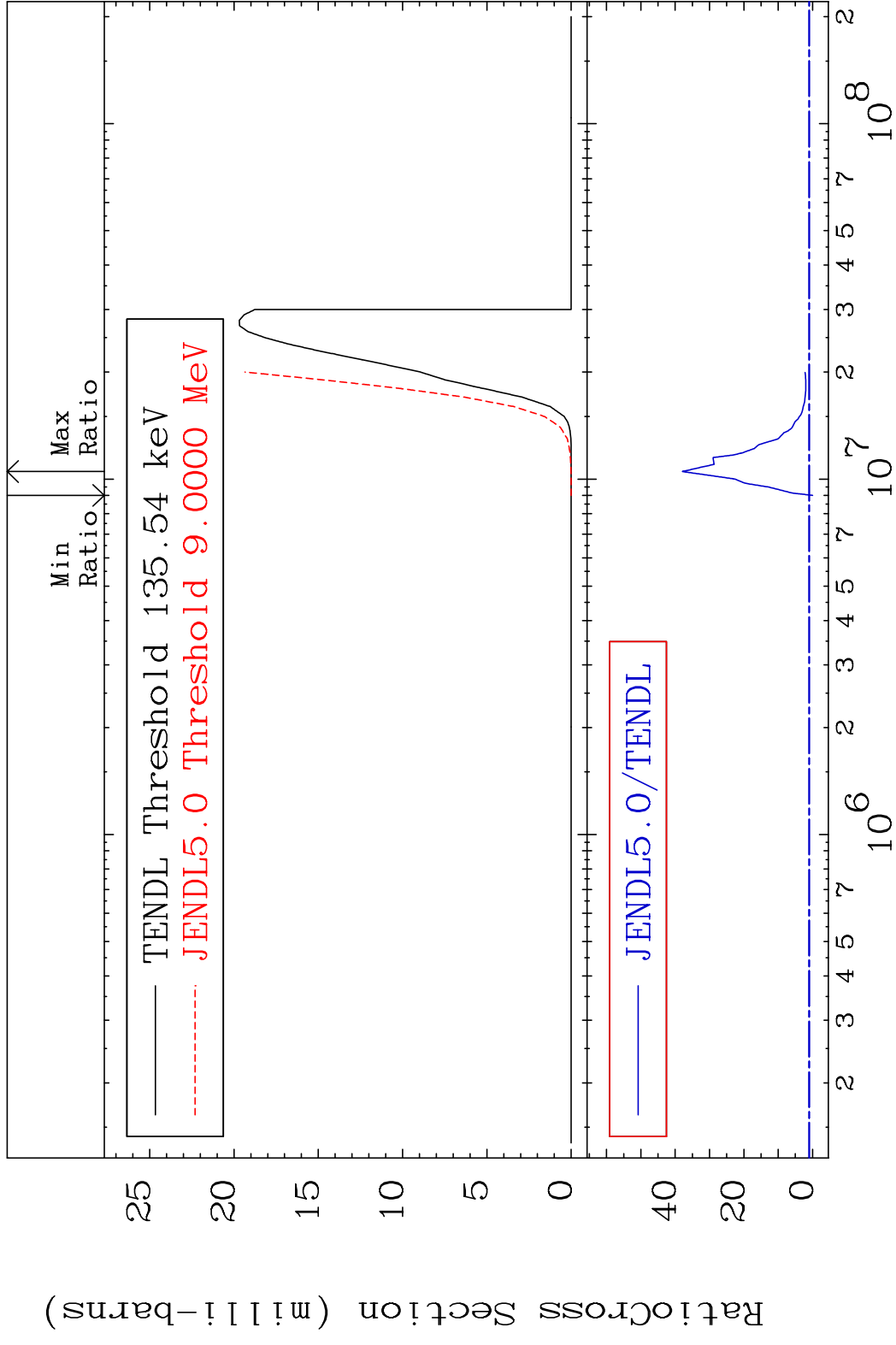


4 Incident Energy (eV) 58-Ce-141

MAT 5840 (n,3n) 58-Ce-141
 Cross Section -100.0 To -13.01%



MAT 5840 (n, n') α 58-Ce-141
 Cross Section -100.0 To 3691. %



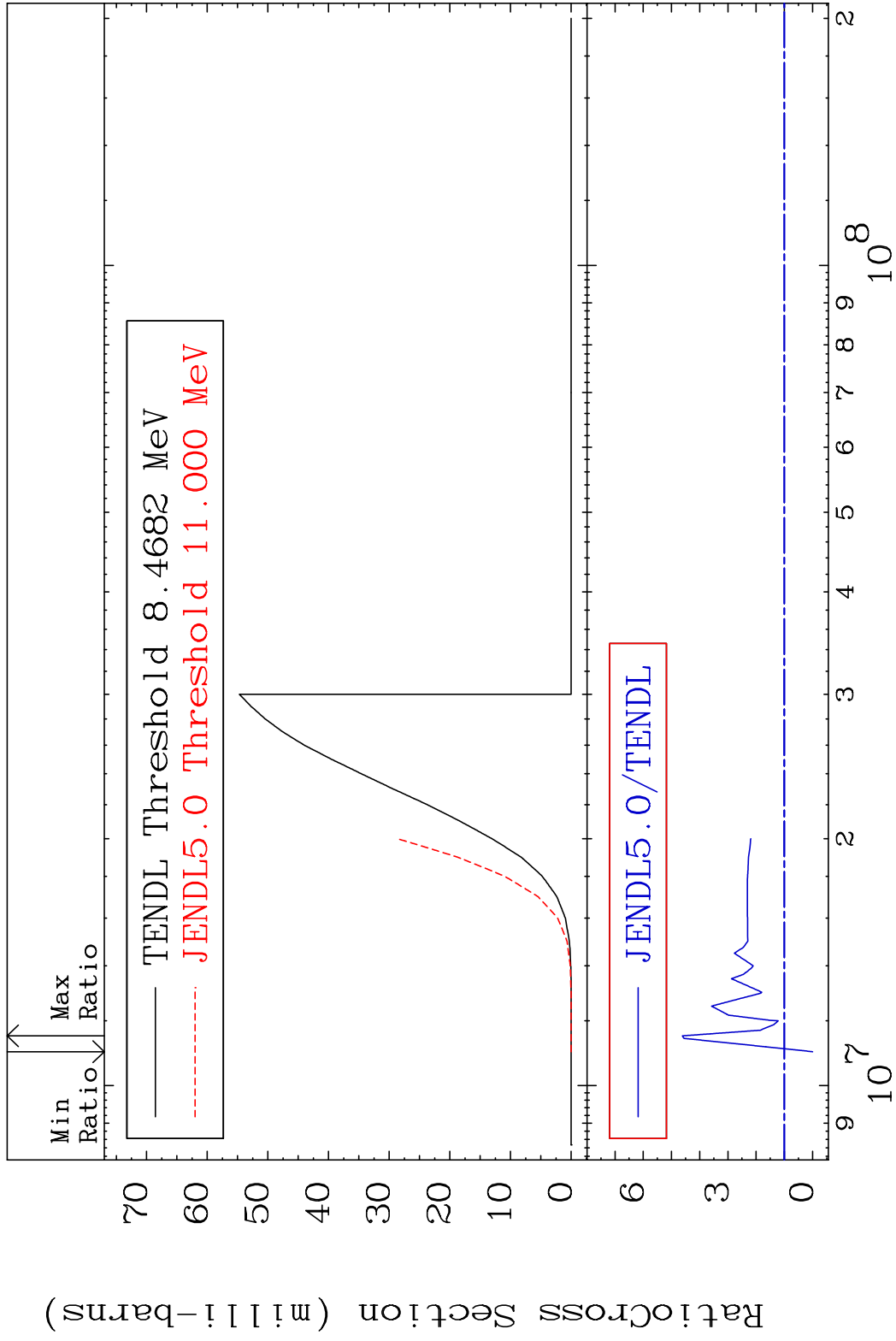
6 Incident Energy (eV) 58-Ce-141

MAT 5840

(n, n') p

58-Ce-141

Cross Section -100.0 To 361.4 %

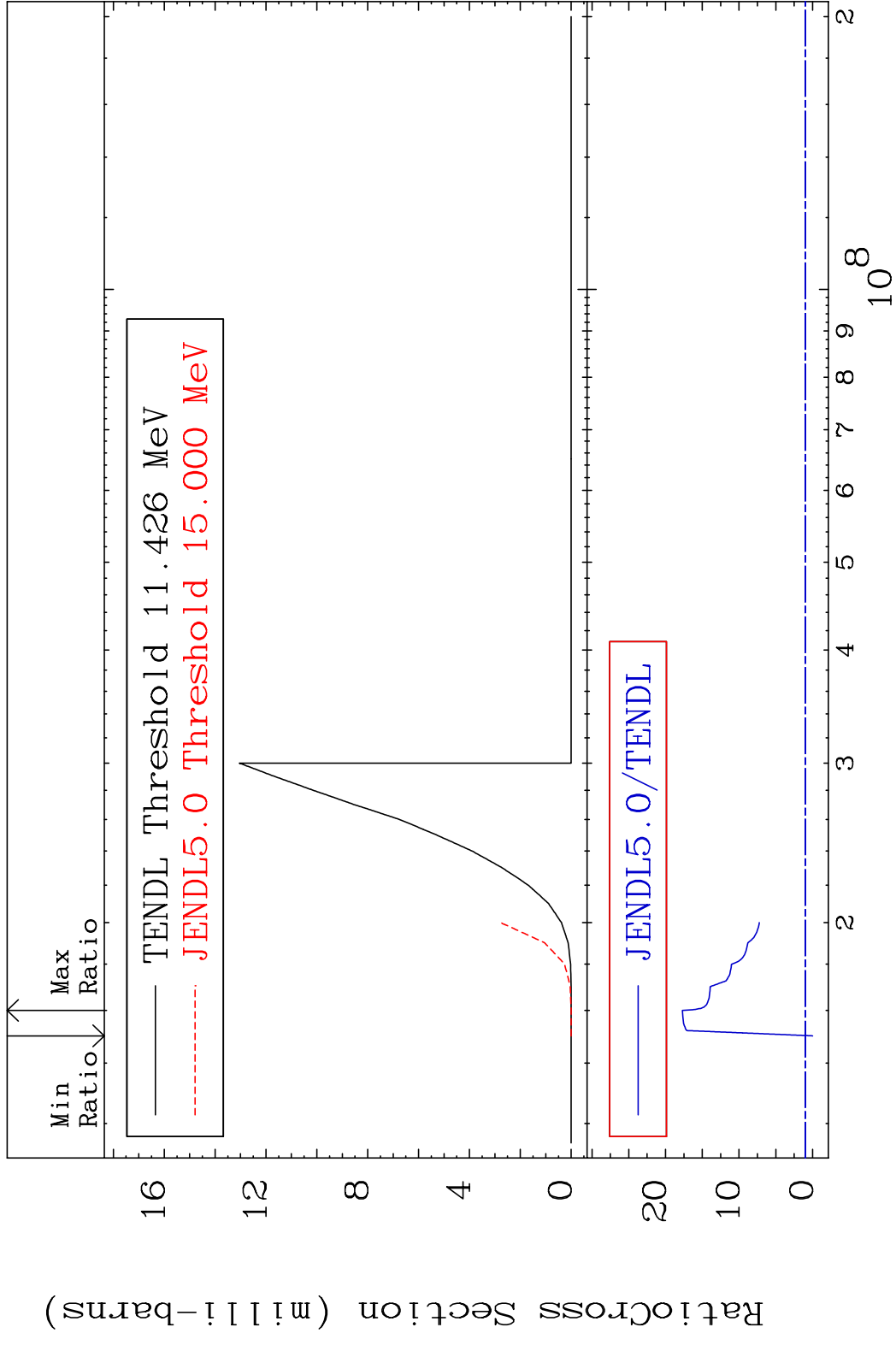


7

Incident Energy (eV)

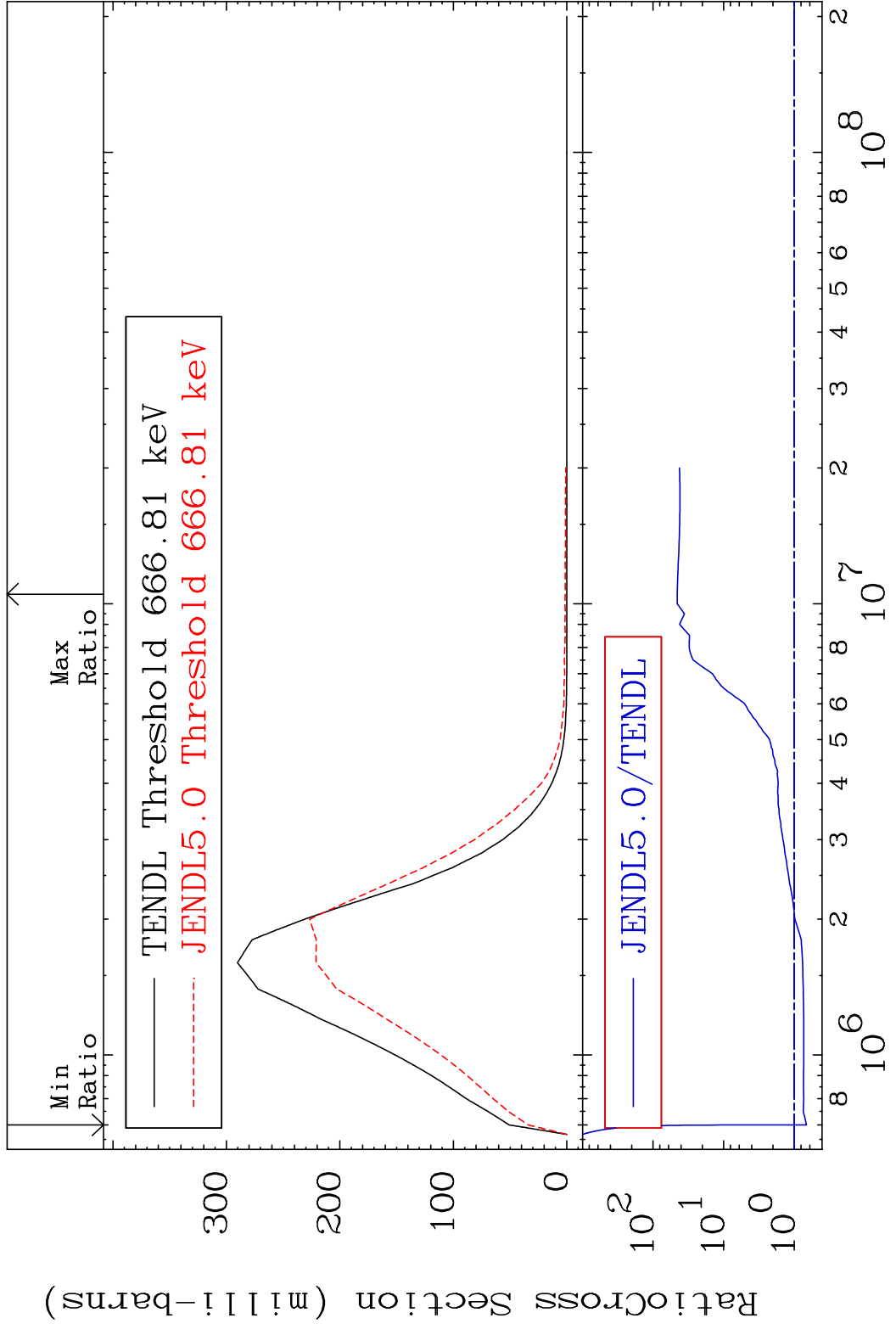
58-Ce-141

MAT 5840 (n, n') d 58-Ce-141
 Cross Section -100.0 To 1671. %

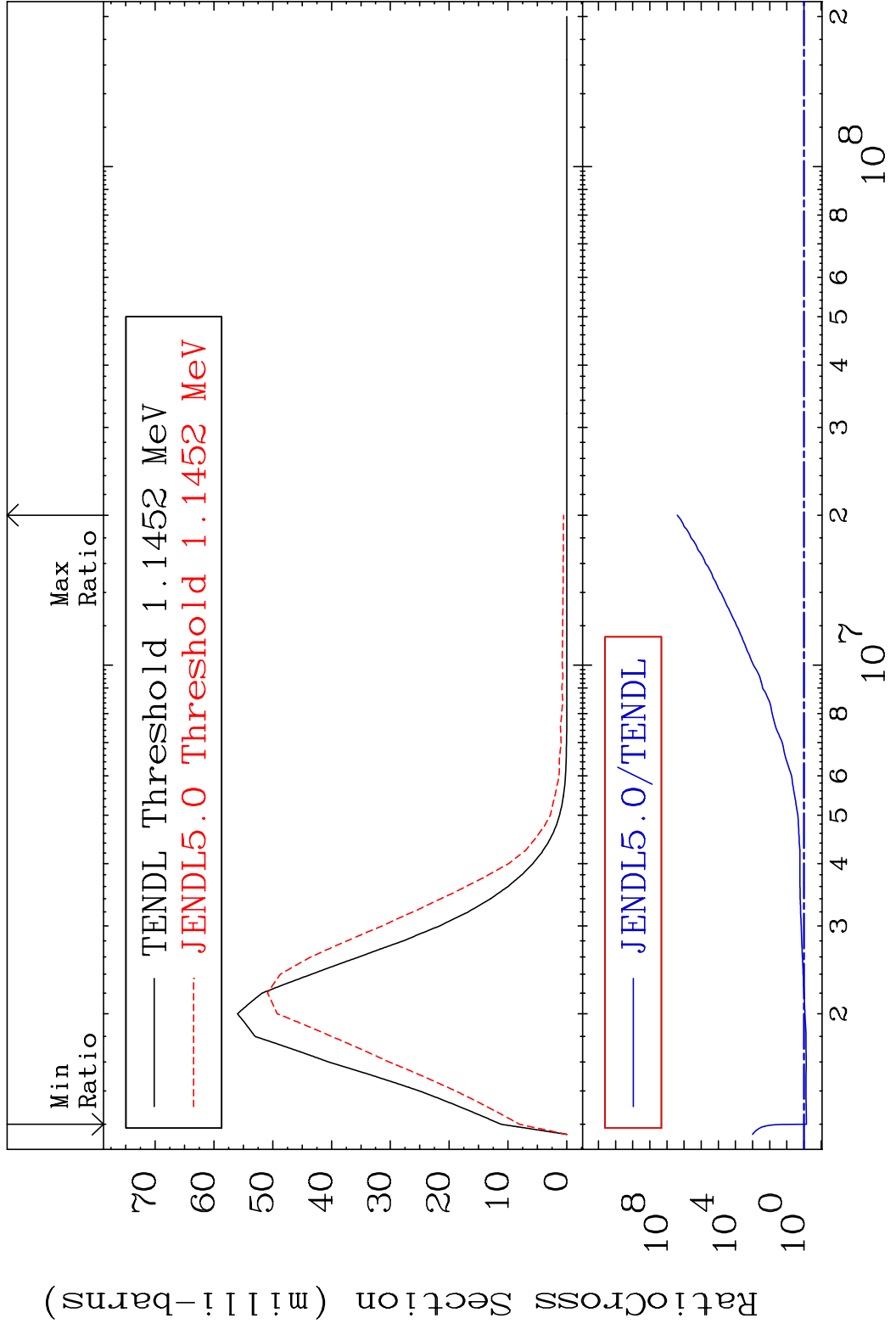


8 Incident Energy (eV) 58-Ce-141

MAT 5840 MT= 51 (n, n') Level 58-Ce-141
 Cross Section -32.77 To 4446. %

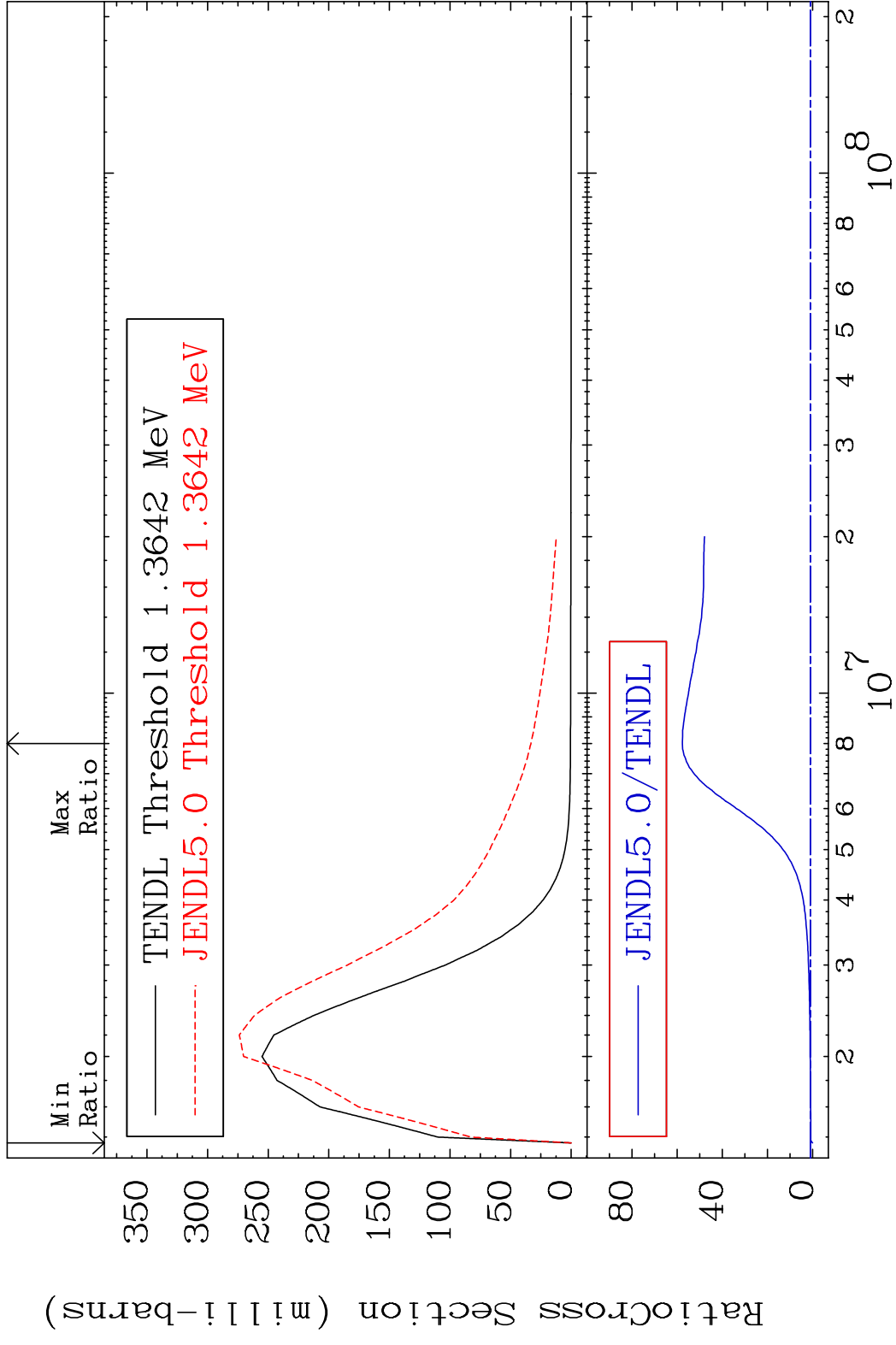


MAT 5840 MT= 52 (n, n') Level 58-Ce-141
 Cross Section -28.03 To 9999. %

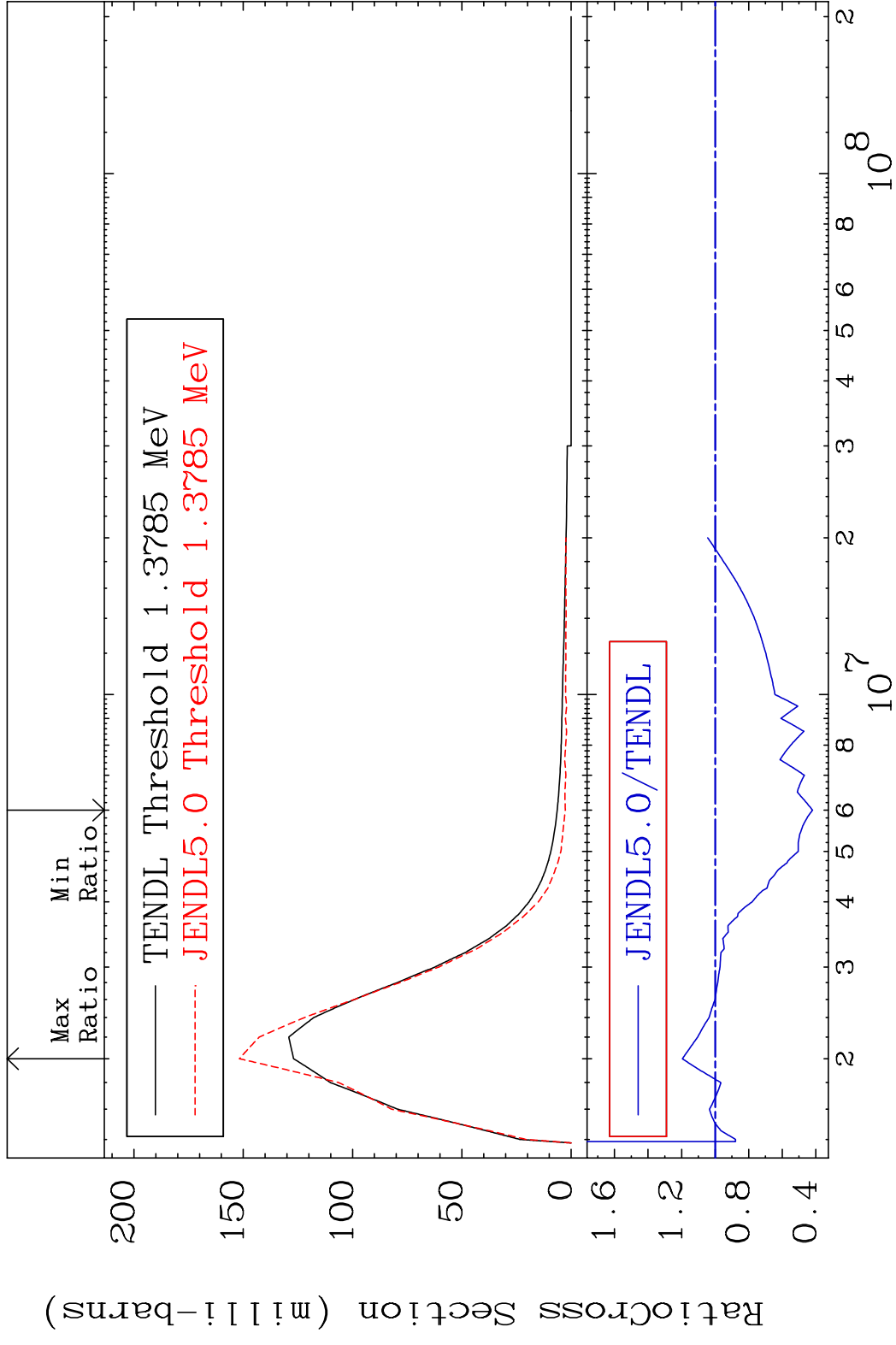


10 Incident Energy (eV) 58-Ce-141

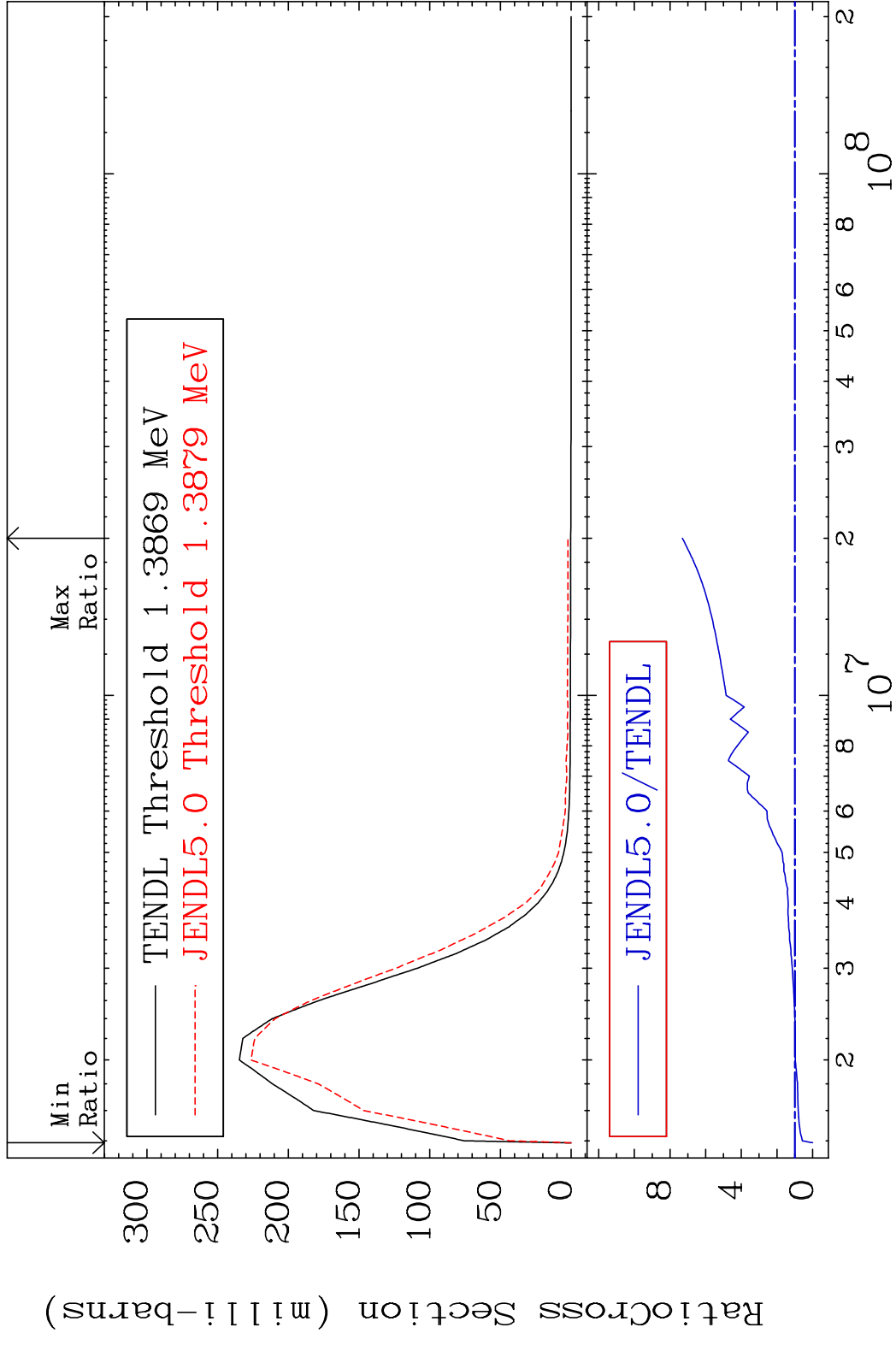
MAT 5840 MT= 53 (n, n') Level 58-Ce-141
 Cross Section -100.0 To 5670. %



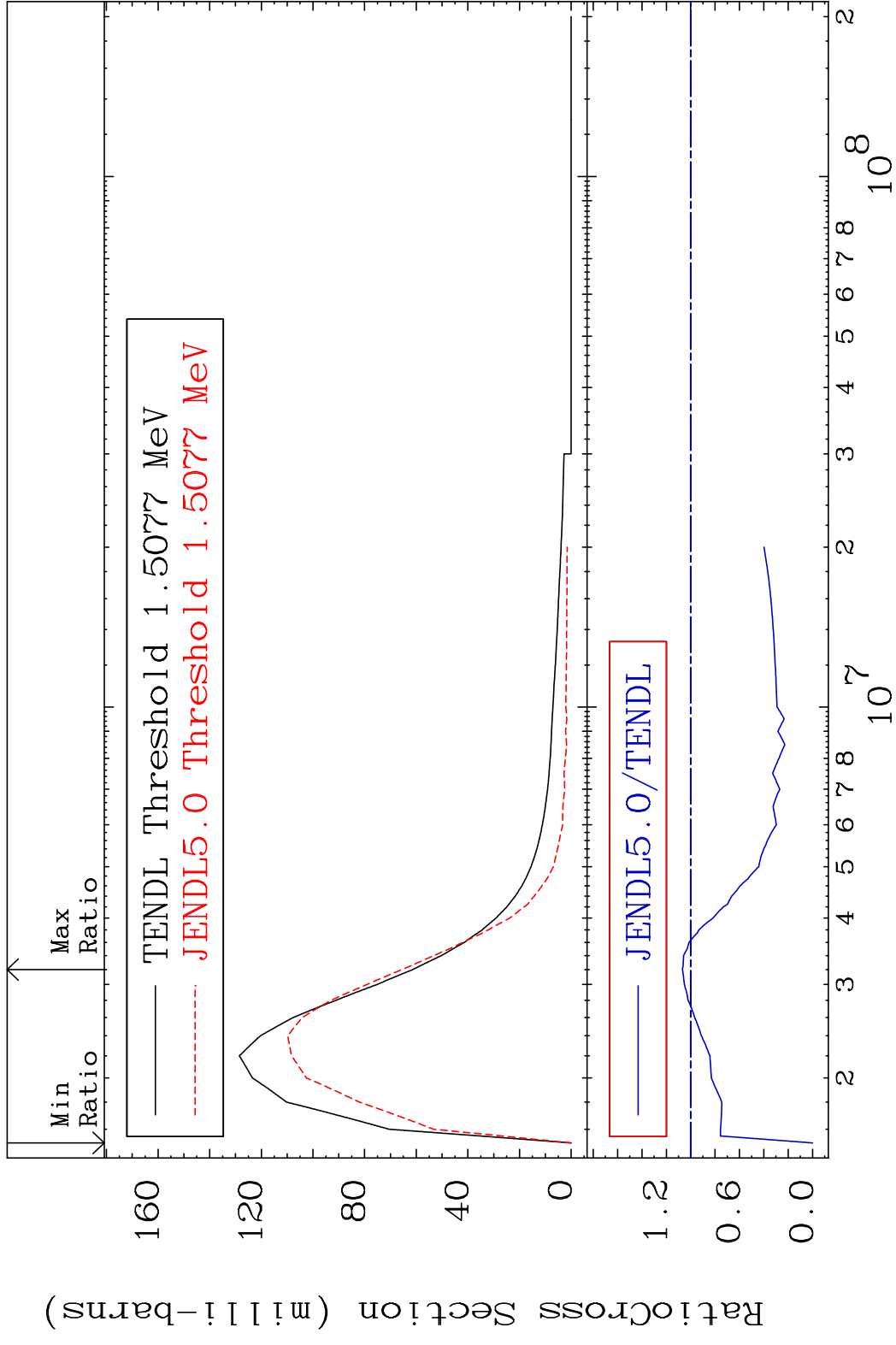
MAT 5840 MT= 54 (n,n') Level 58-Ce-141
 Cross Section -58.06 To 19.55 %



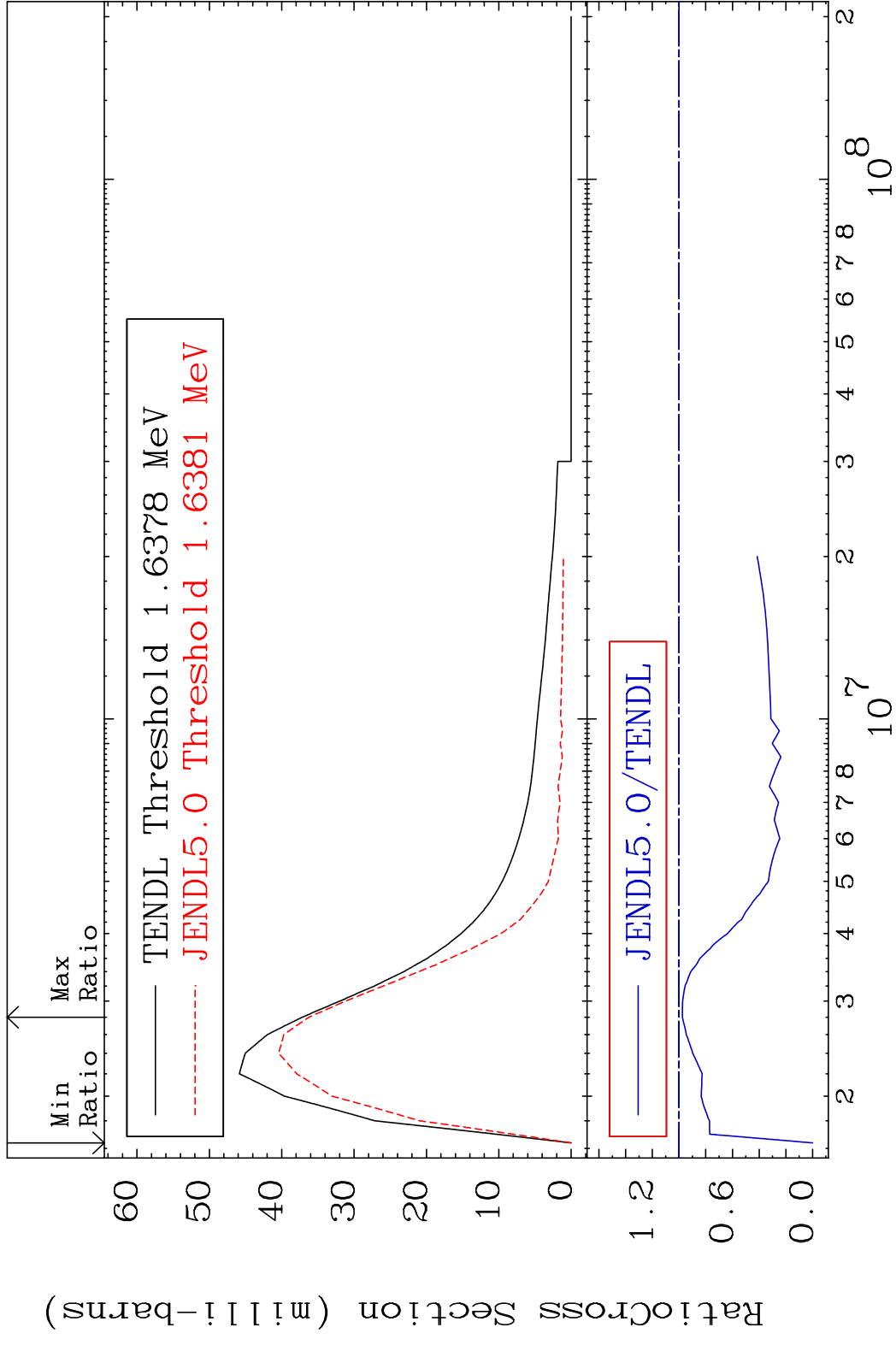
MAT 5840 MT= 55 (n, n') Level 58-Ce-141
 Cross Section -100.0 To 630.7 %



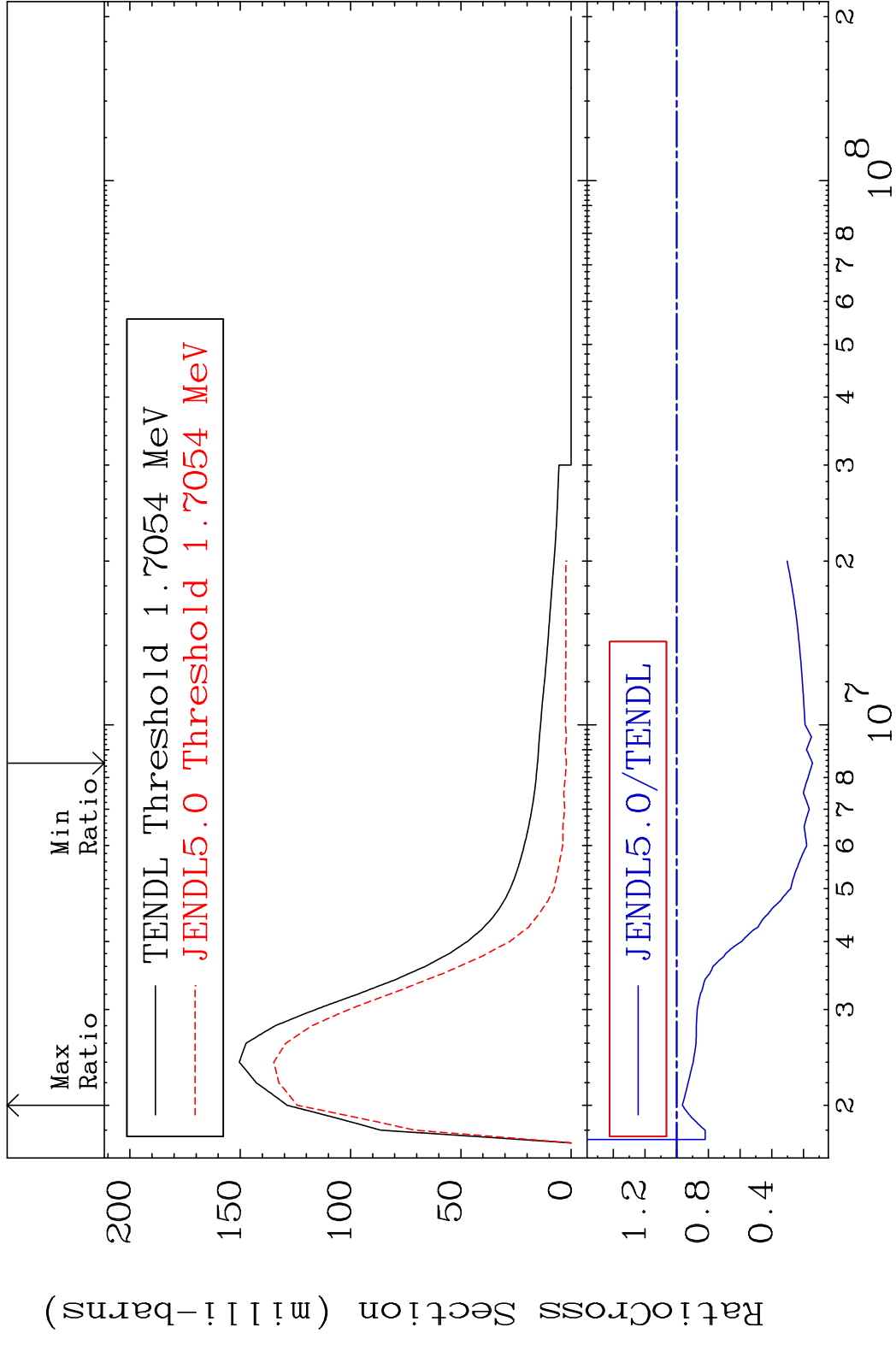
MAT 5840 MT= 56 (n,n') Level 58-Ce-141
 Cross Section -100.0 To 6.859 %



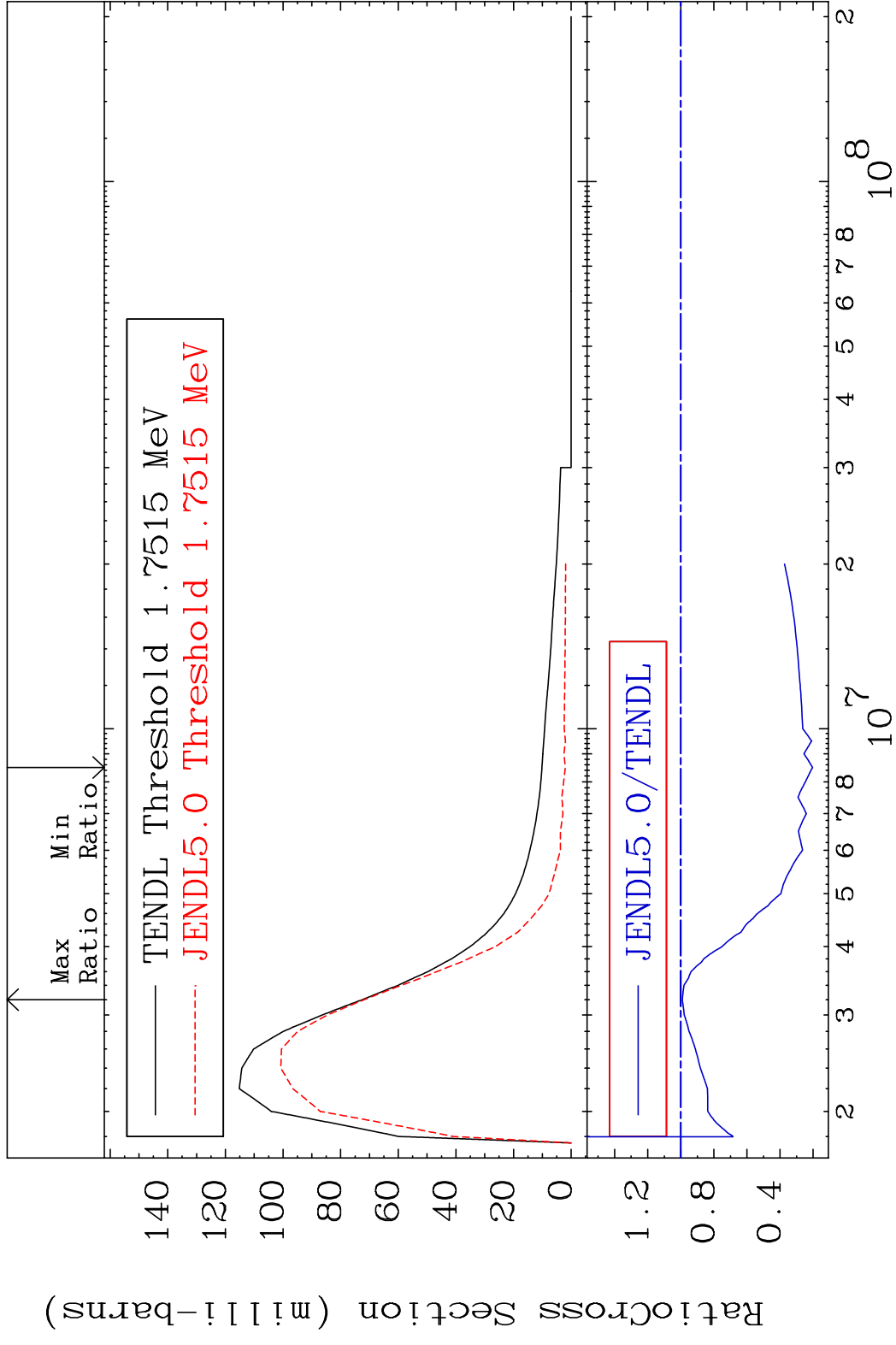
MAT 5840 MT= 57 (n,n') Level 58-Ce-141
 Cross Section -100.0 To -2.474%



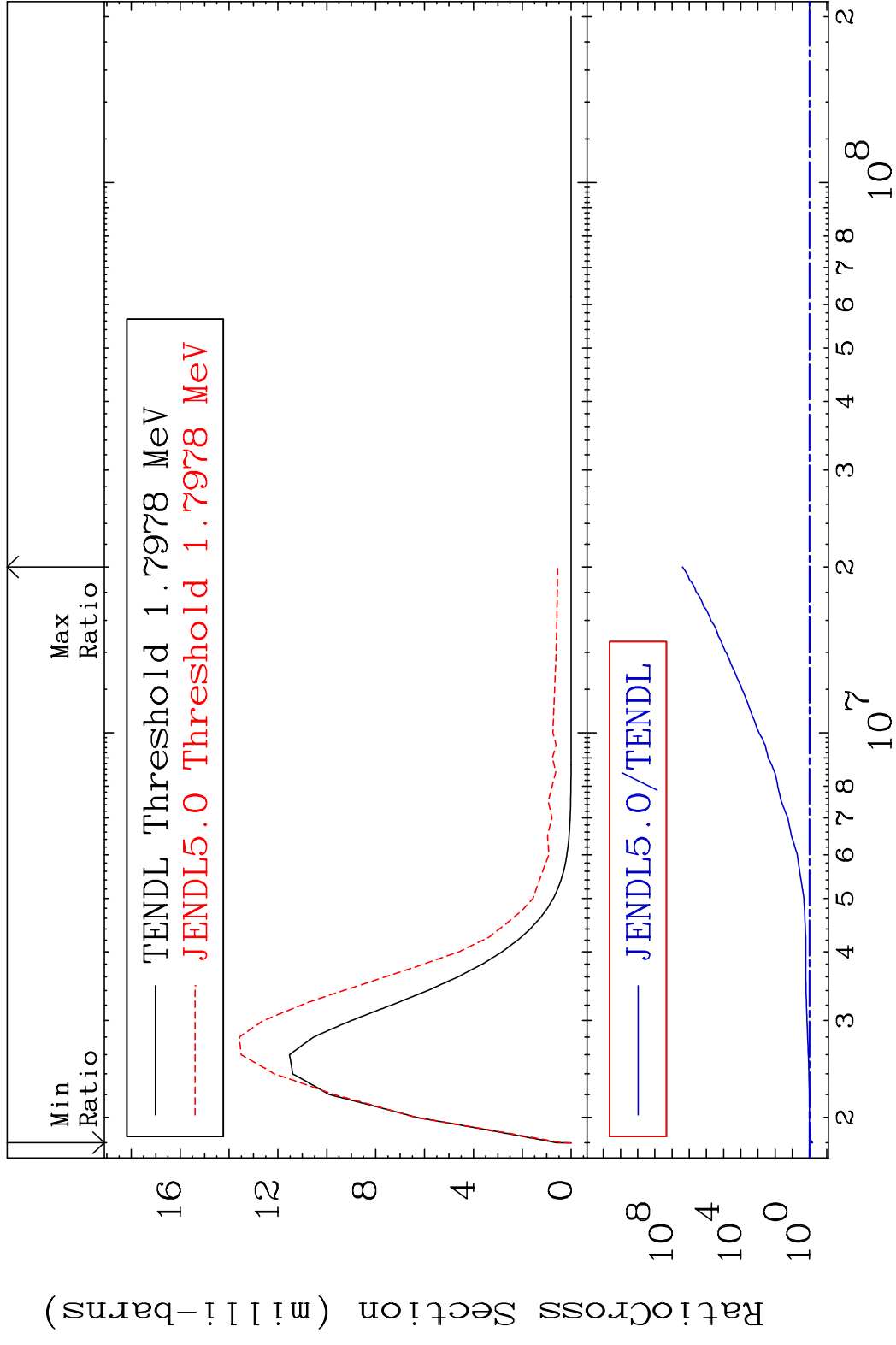
MAT 5840 MT= 58 (n,n') Level 58-Ce-141
 Cross Section -85.73 To -3.572%



MAT 5840 MT= 59 (n,n') Level 58-Ce-141
 Cross Section -79.64 To -0.933%

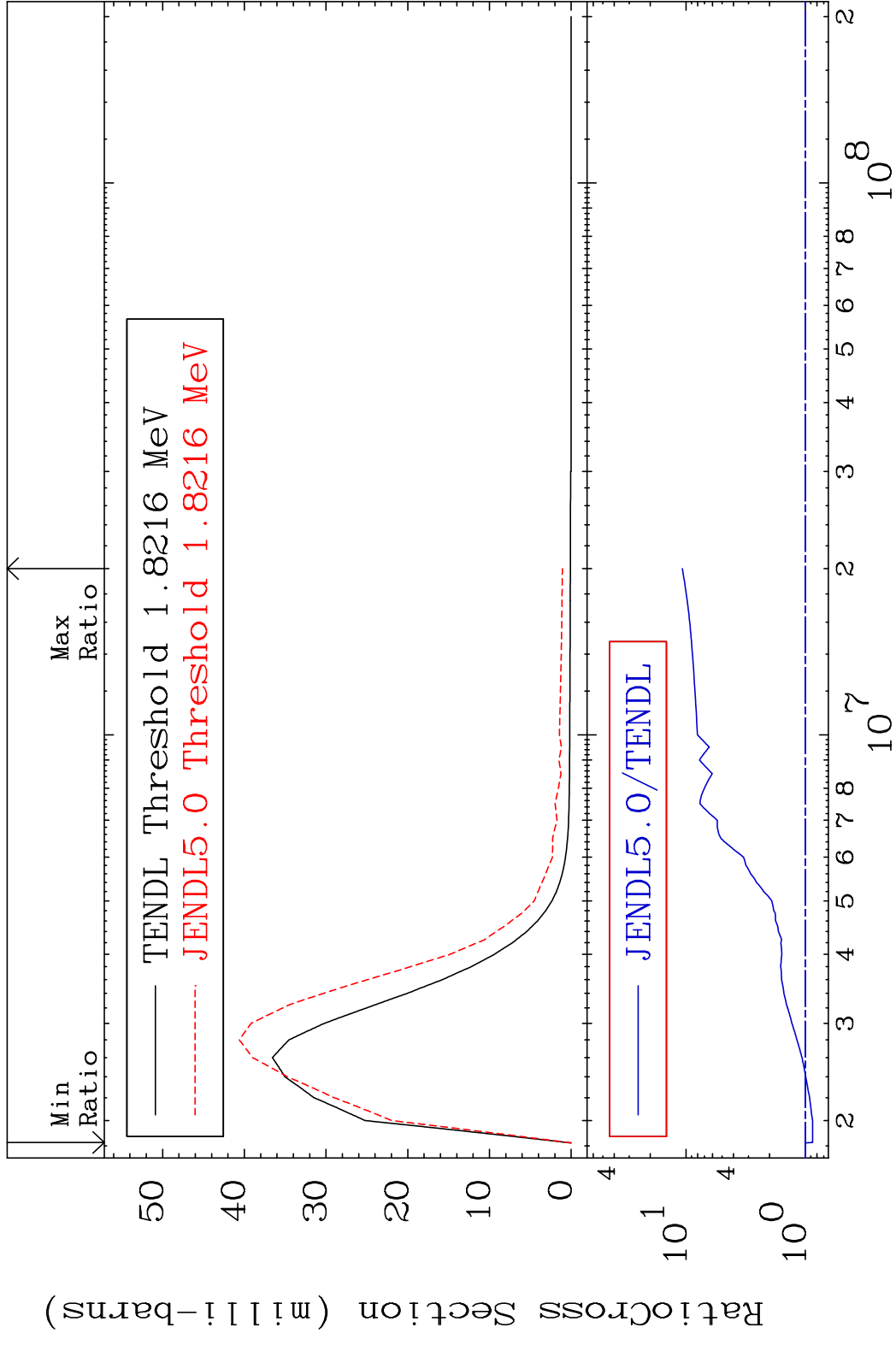


MAT 5840 MT= 60 (n, n') Level 58-Ce-141
 Cross Section -33.73 To 9999. %

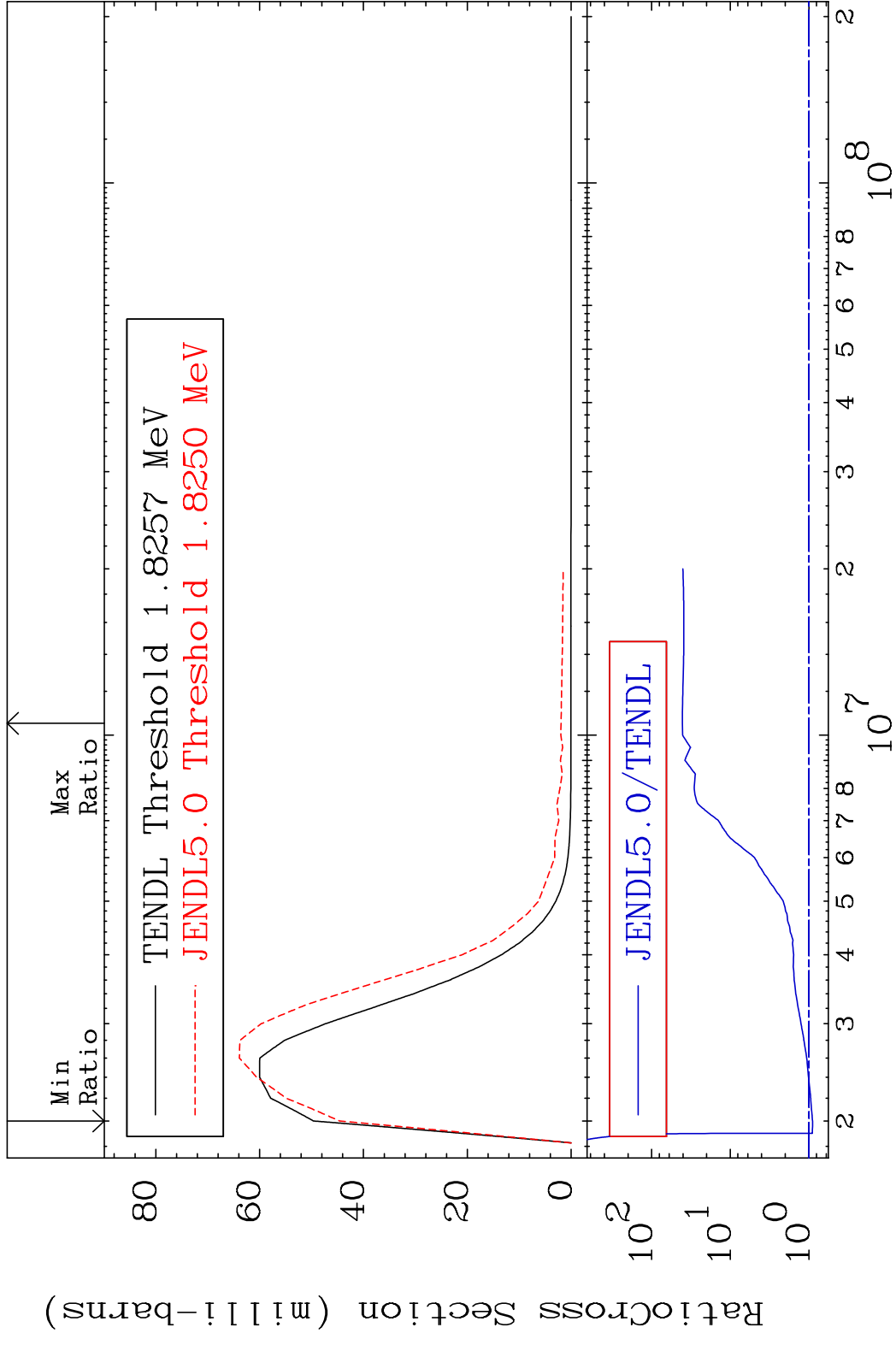


18 Incident Energy (eV) 58-Ce-141

MAT 5840 MT= 61 (n, n') Level 58-Ce-141
 Cross Section -12.96 To 975.2 %

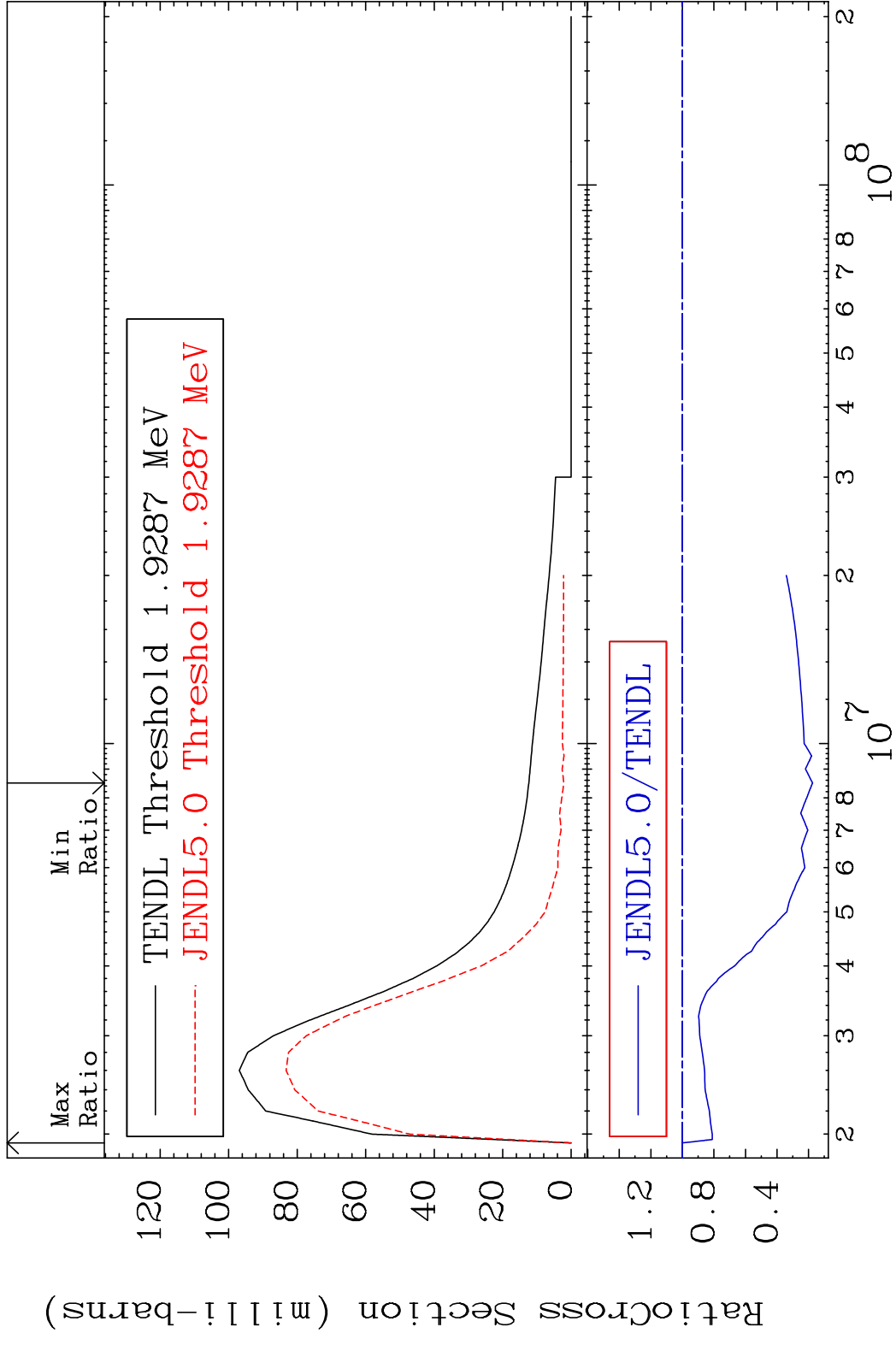


MAT 5840 MT= 62 (n, n') Level 58-Ce-141
 Cross Section -10.13 To 3972. %

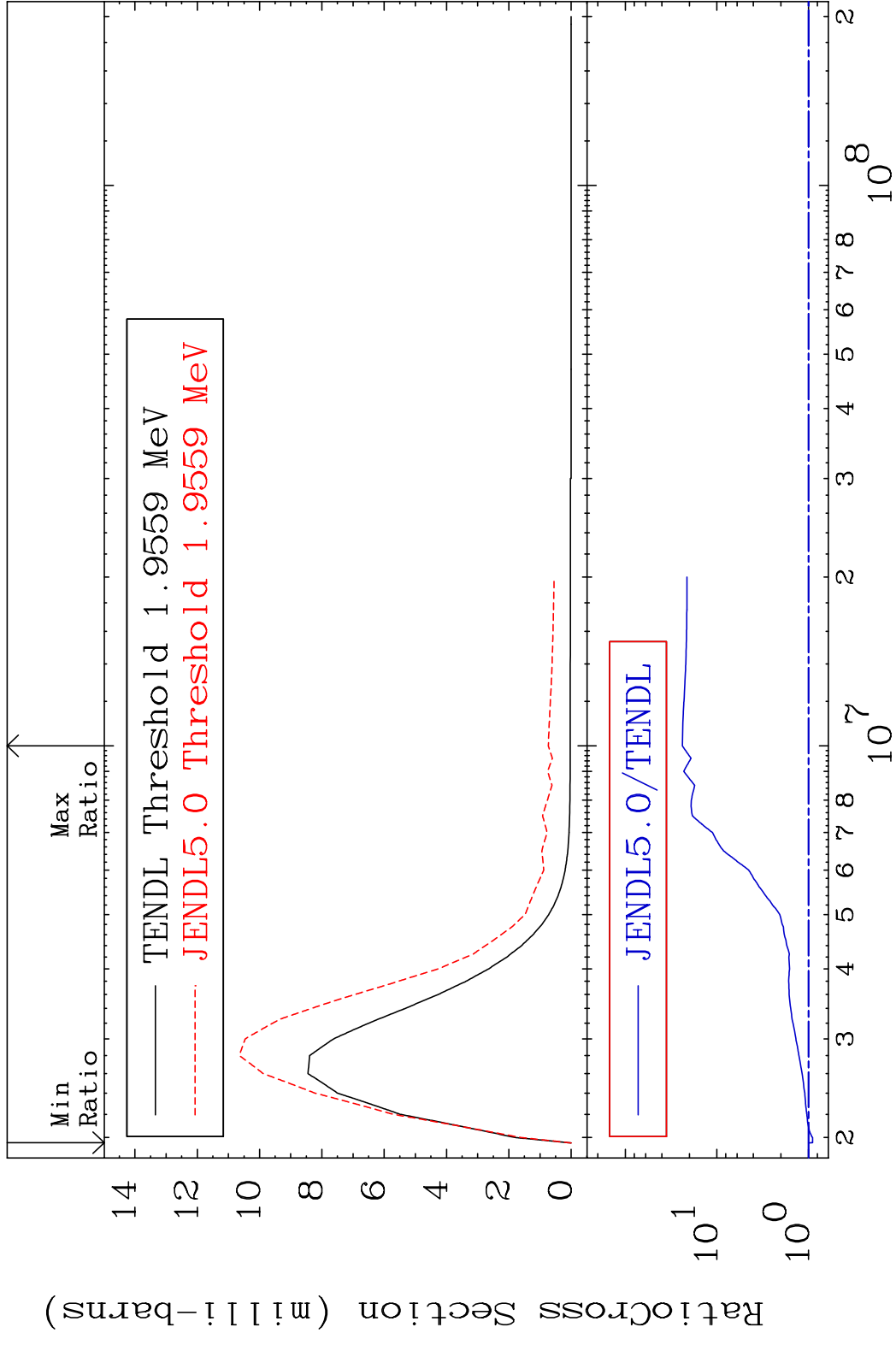


20 Incident Energy (eV) 58-Ce-141

MAT 5840 MT= 63 (n, n') Level 58-Ce-141
 Cross Section -82.54 To 0.000 %



MAT 5840 MT= 64 (n, n') Level 58-Ce-141
 Cross Section -9.842 To 2285. %

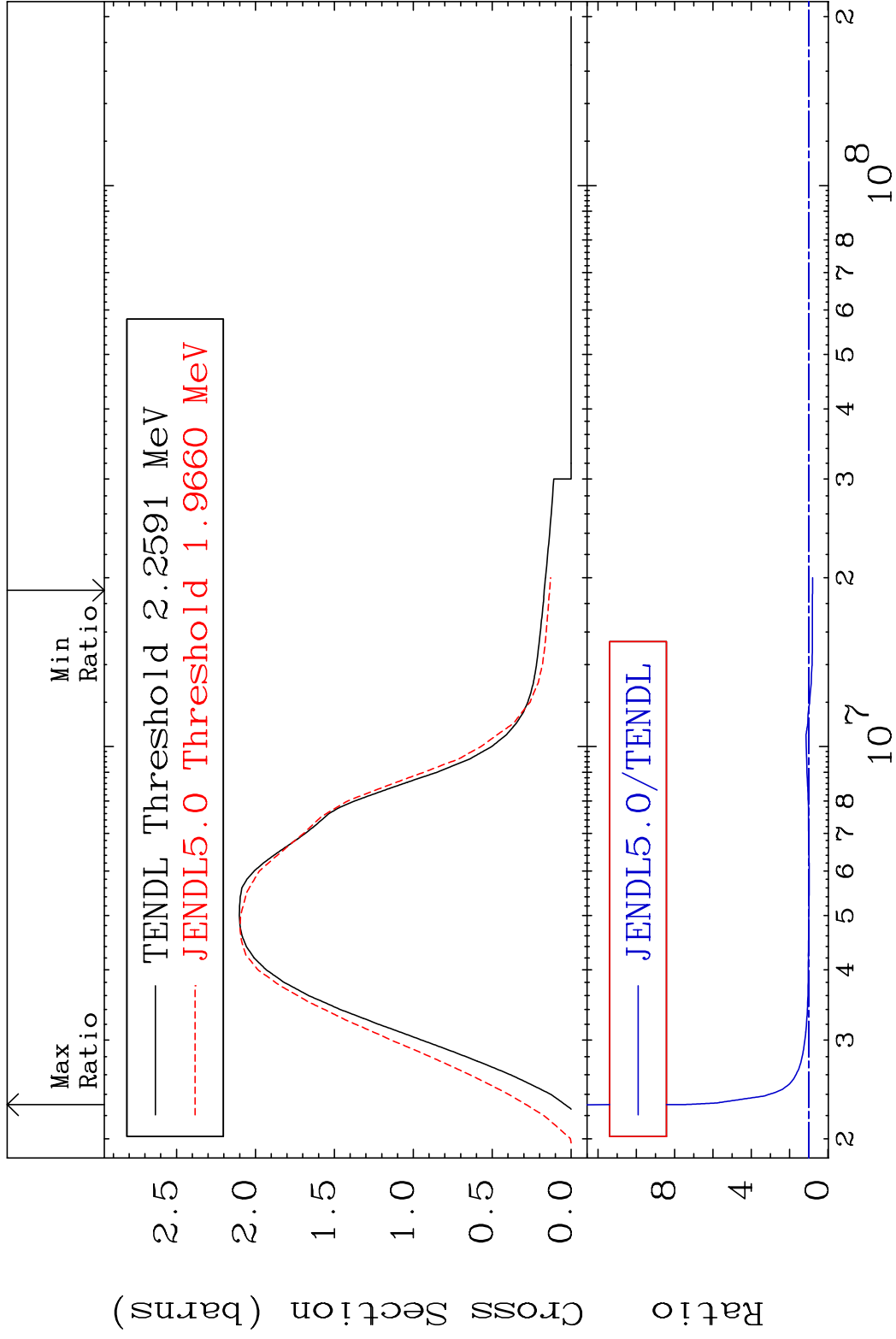


MAT 5840

(n,n') Continuum

58-Ce-141

Cross Section -19.78 To 659.7 %

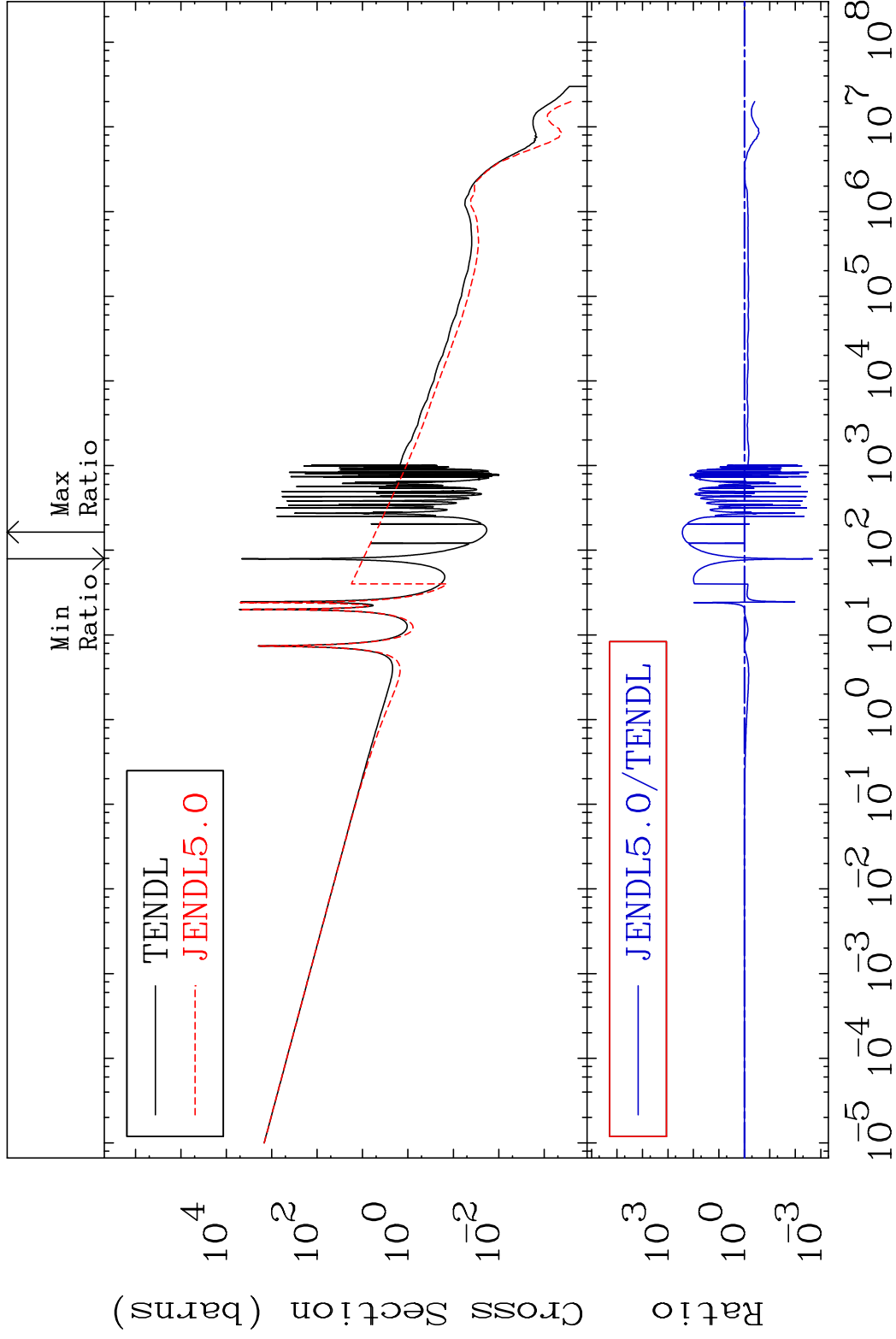


MAT 5840

(n, γ)

58-Ce-141

Cross Section -99.79 To 9999. %

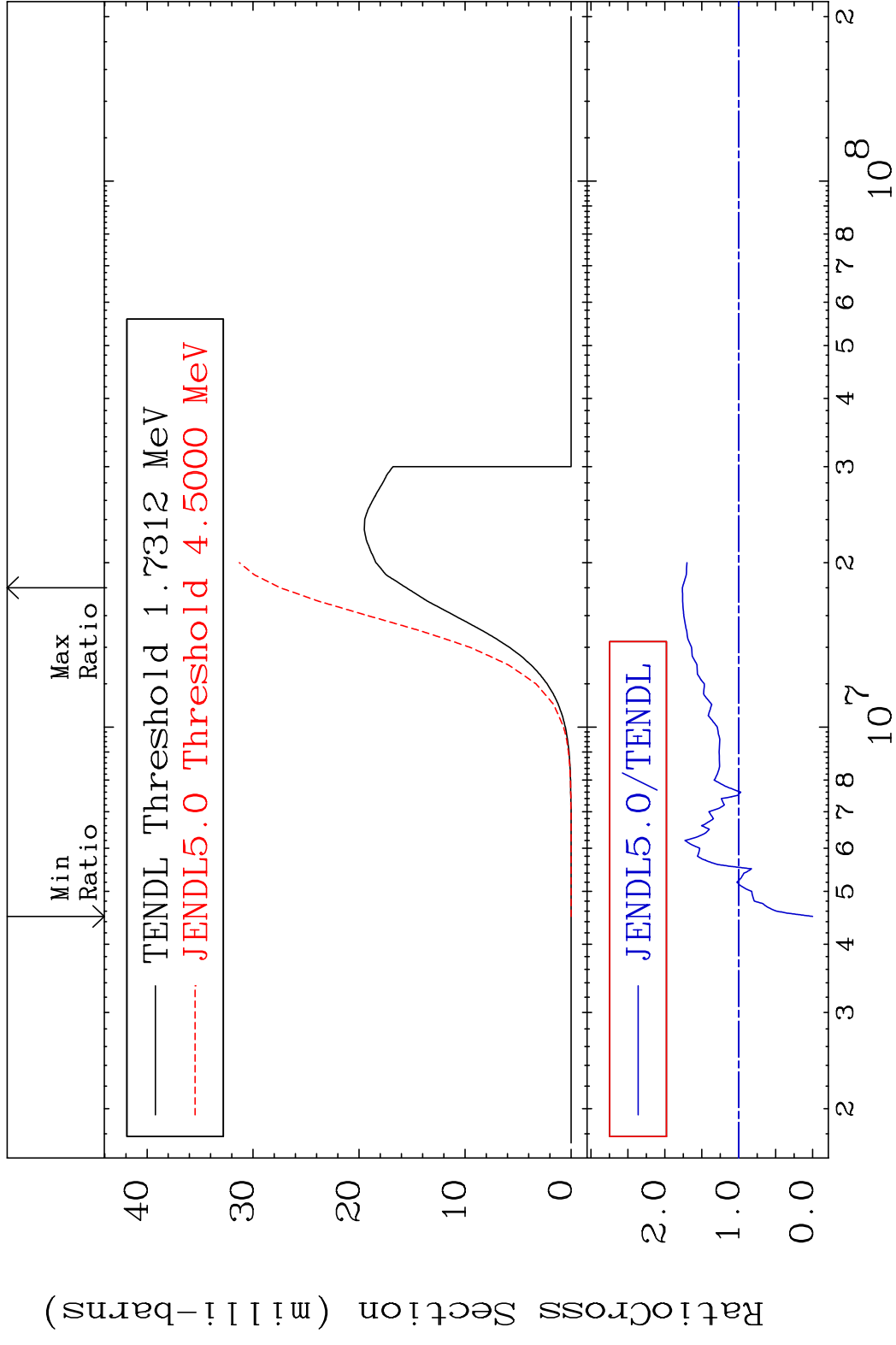


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Incident Energy (eV)

58-Ce-141

MAT 5840 (n,p) 58-Ce-141
 Cross Section -100.0 To 76.34 %



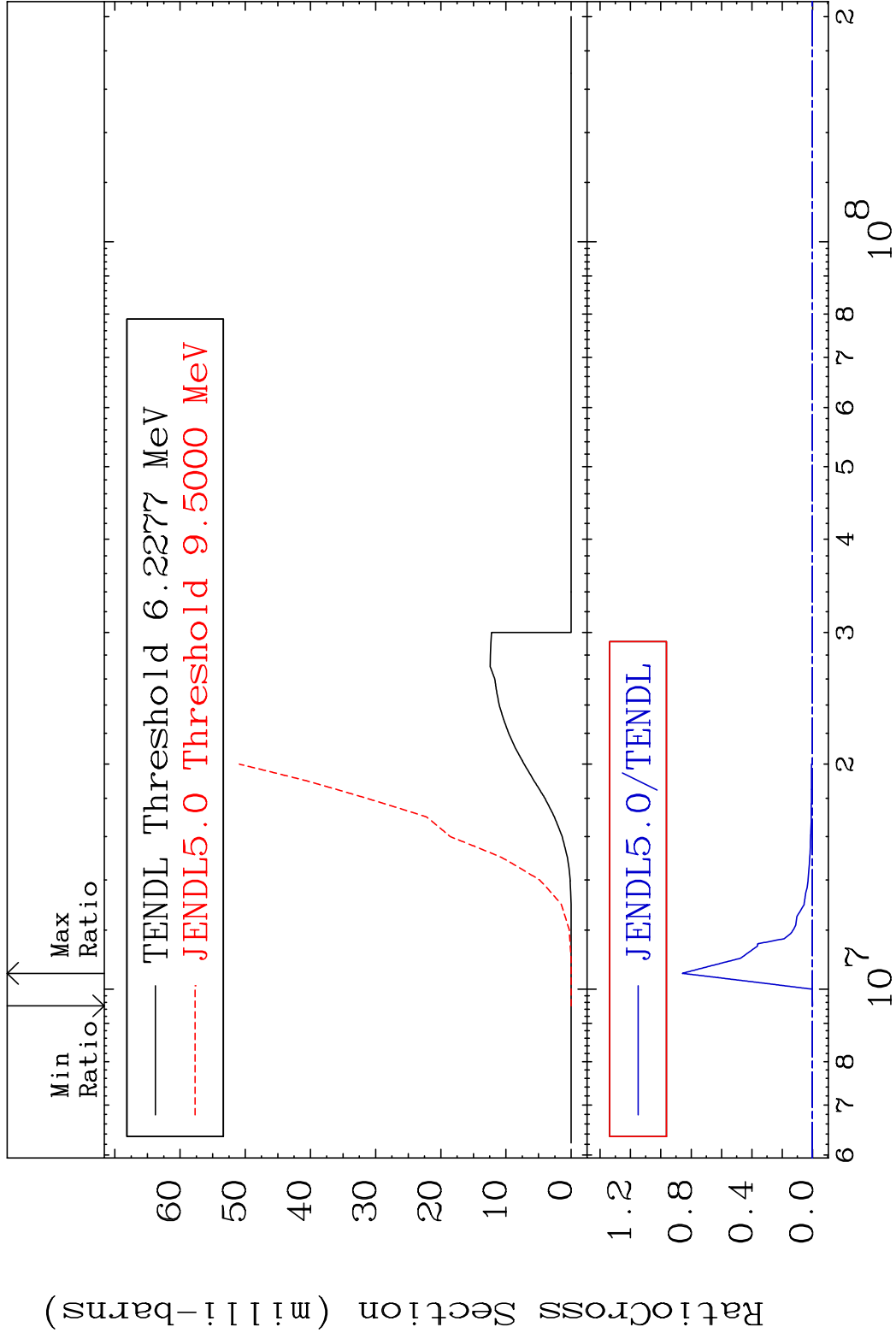
25 Incident Energy (eV) 58-Ce-141

MAT 5840

(n,d)

58-Ce-141

Cross Section -100.0 To 9999. %

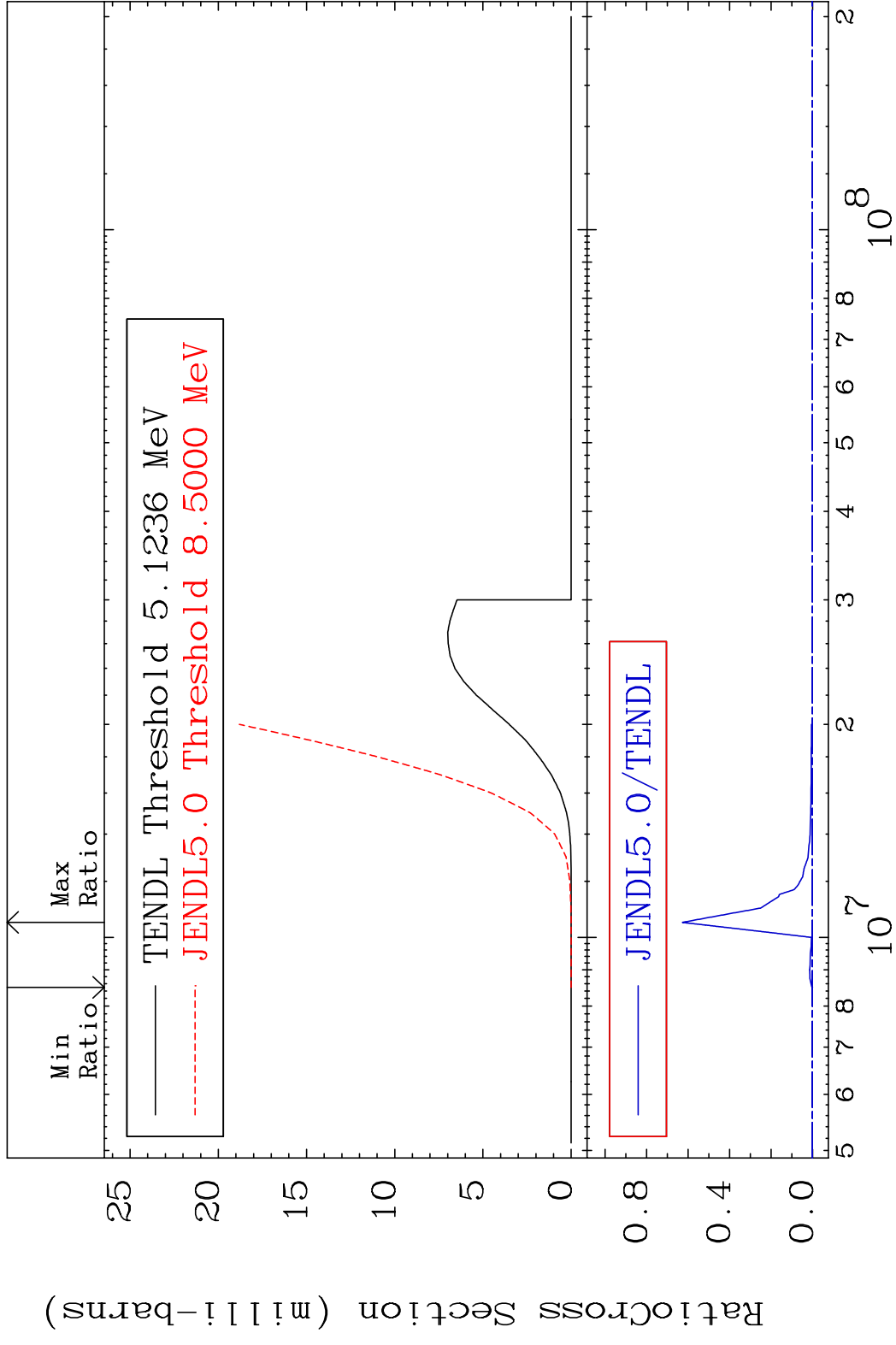


26

Incident Energy (eV)

58-Ce-141

MAT 5840 (n, t) 58-Ce-141
 Cross Section -100.0 To 9999. %

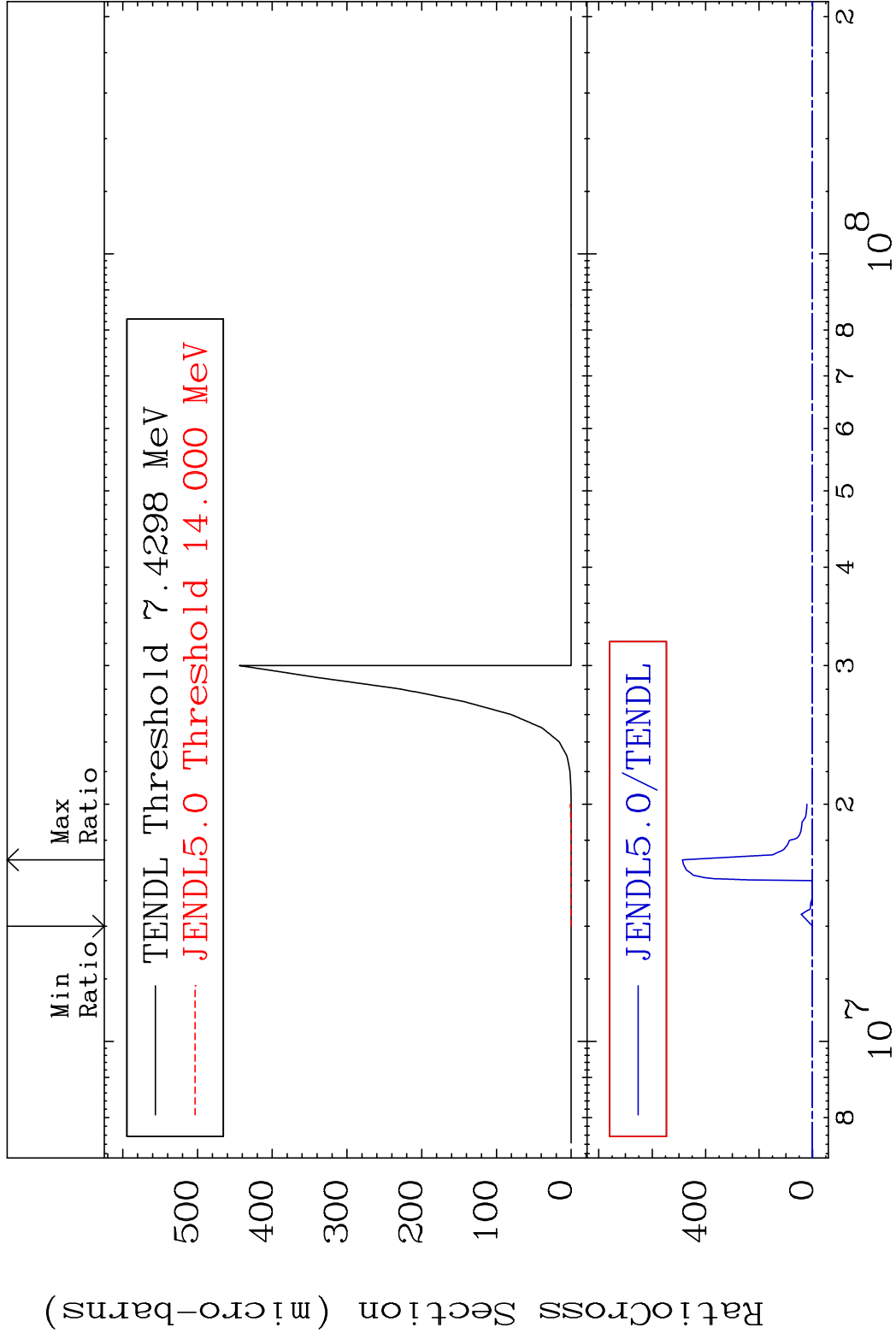


MAT 5840

(n, He-3)

58-Ce-141

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

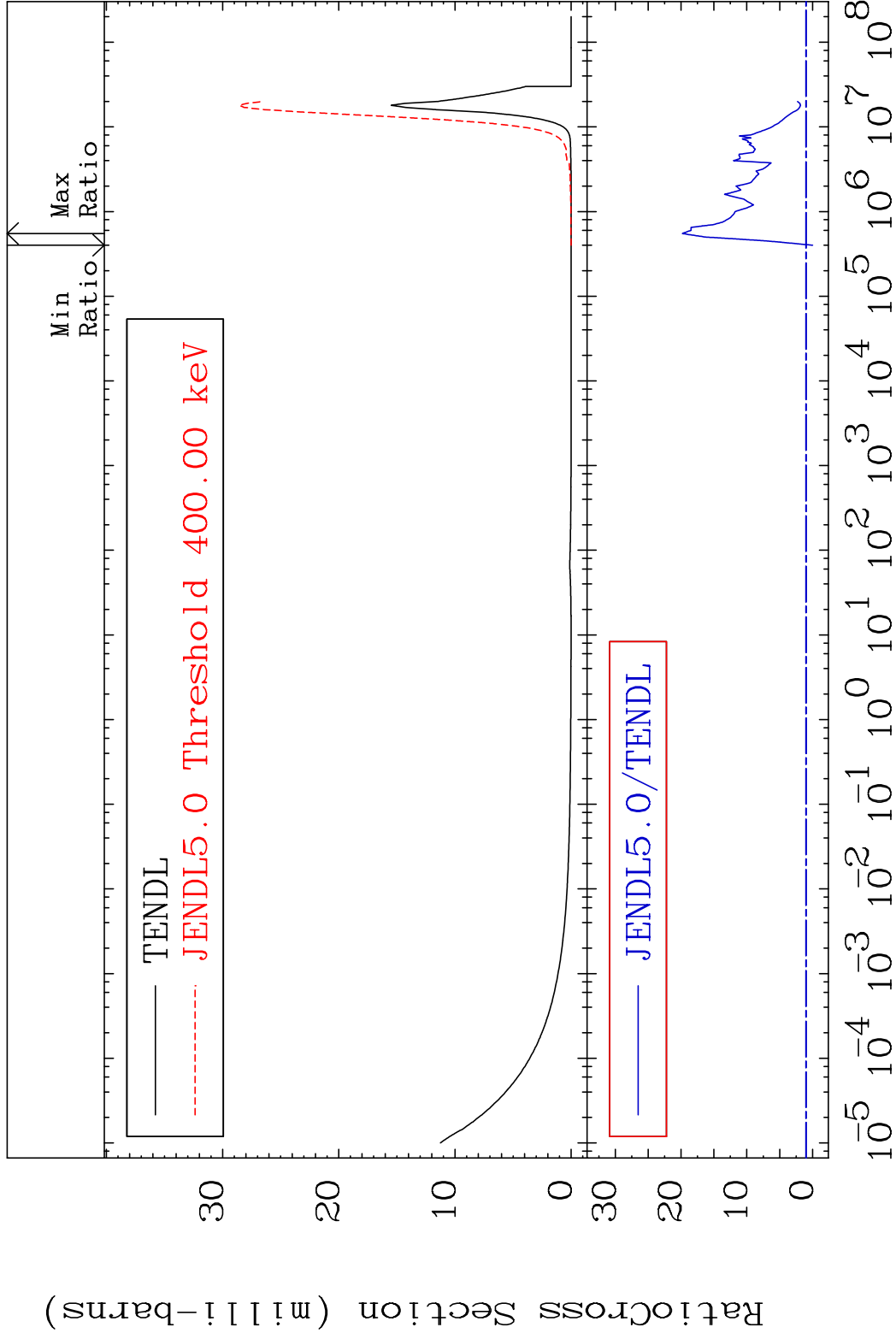
58-Ce-141

MAT 5840

(n, α)

58-Ce-141

Cross Section -100.0 To 1880. %

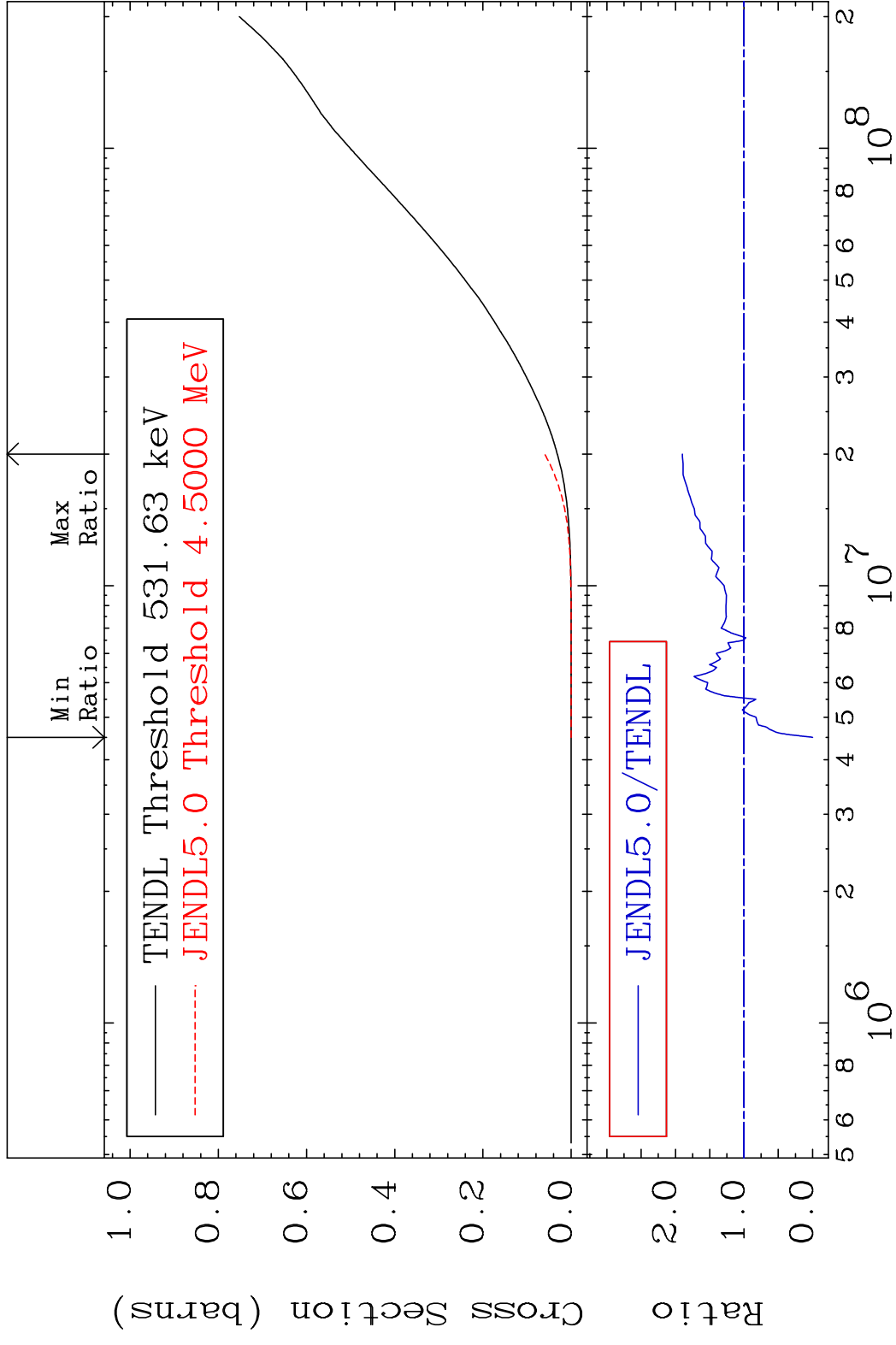


29

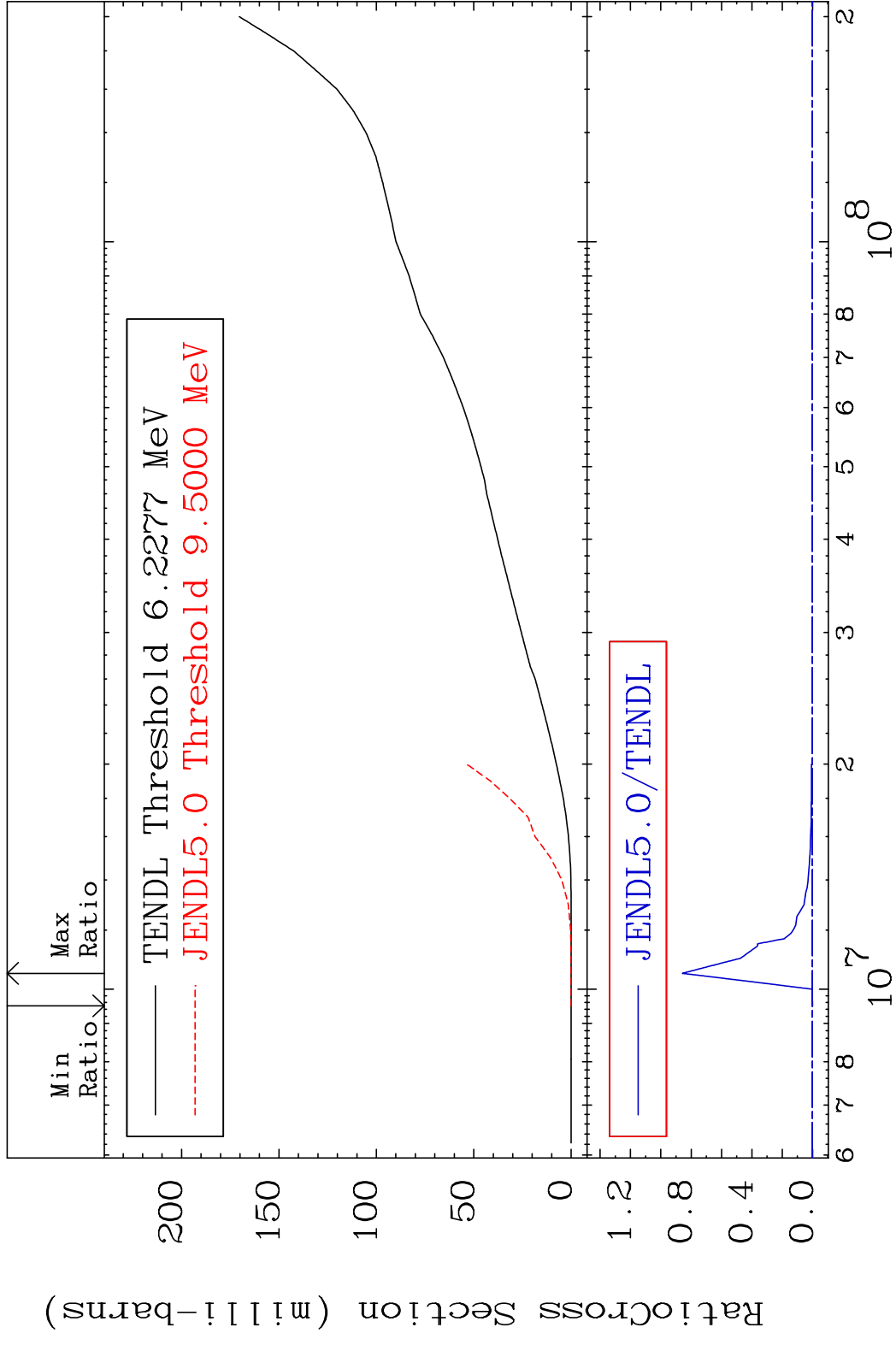
Incident Energy (eV)

58-Ce-141

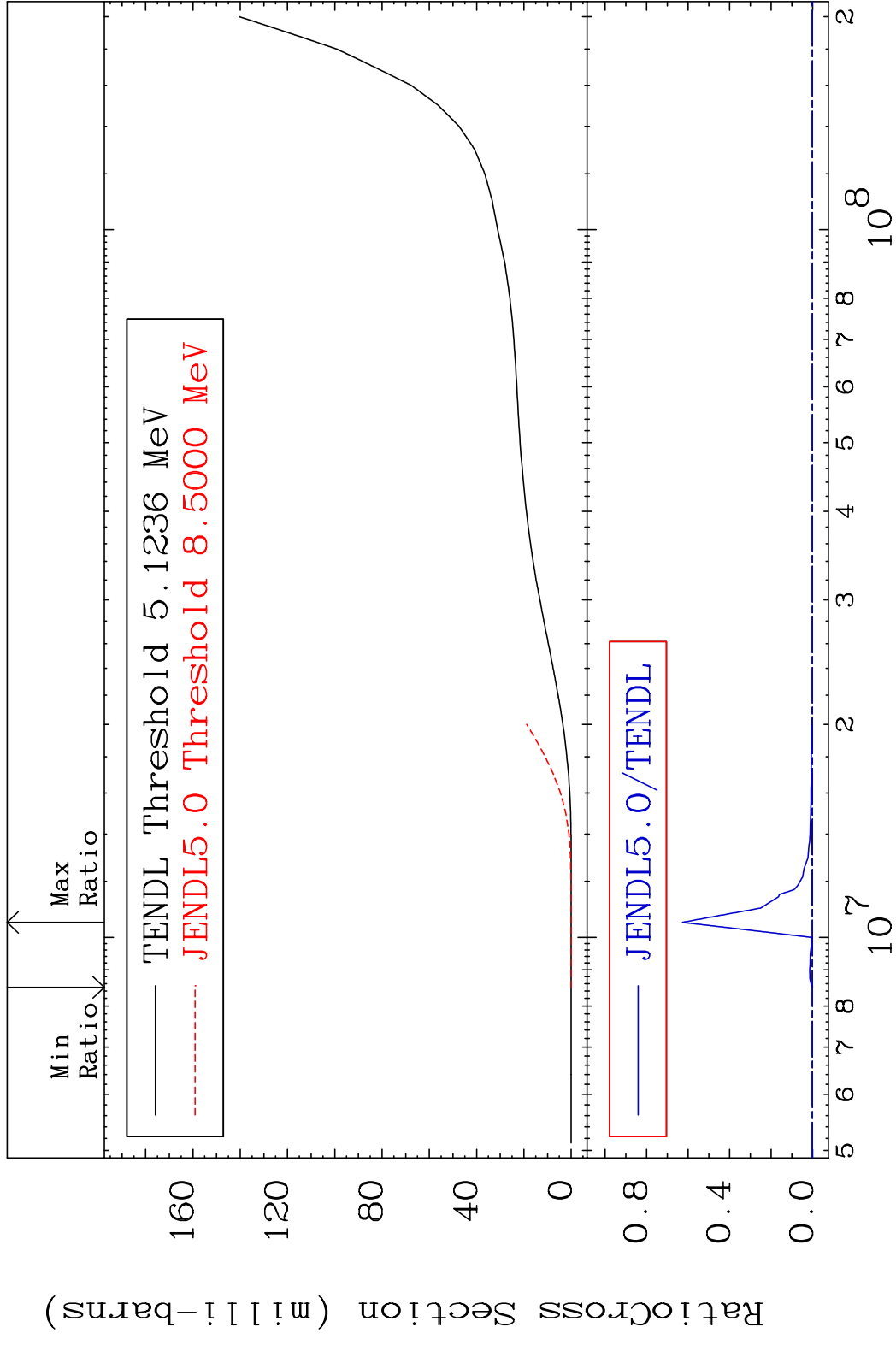
MAT 5840 Hydrogen Production 58-Ce-141
 Cross Section -100.0 To 89.94 %



MAT 5840 Deuterium Production 58-Ce-141
 Cross Section -100.0 To 9999. %



MAT 5840 Tritium Production 58-Ce-141
 Cross Section -100.0 To 9999. %

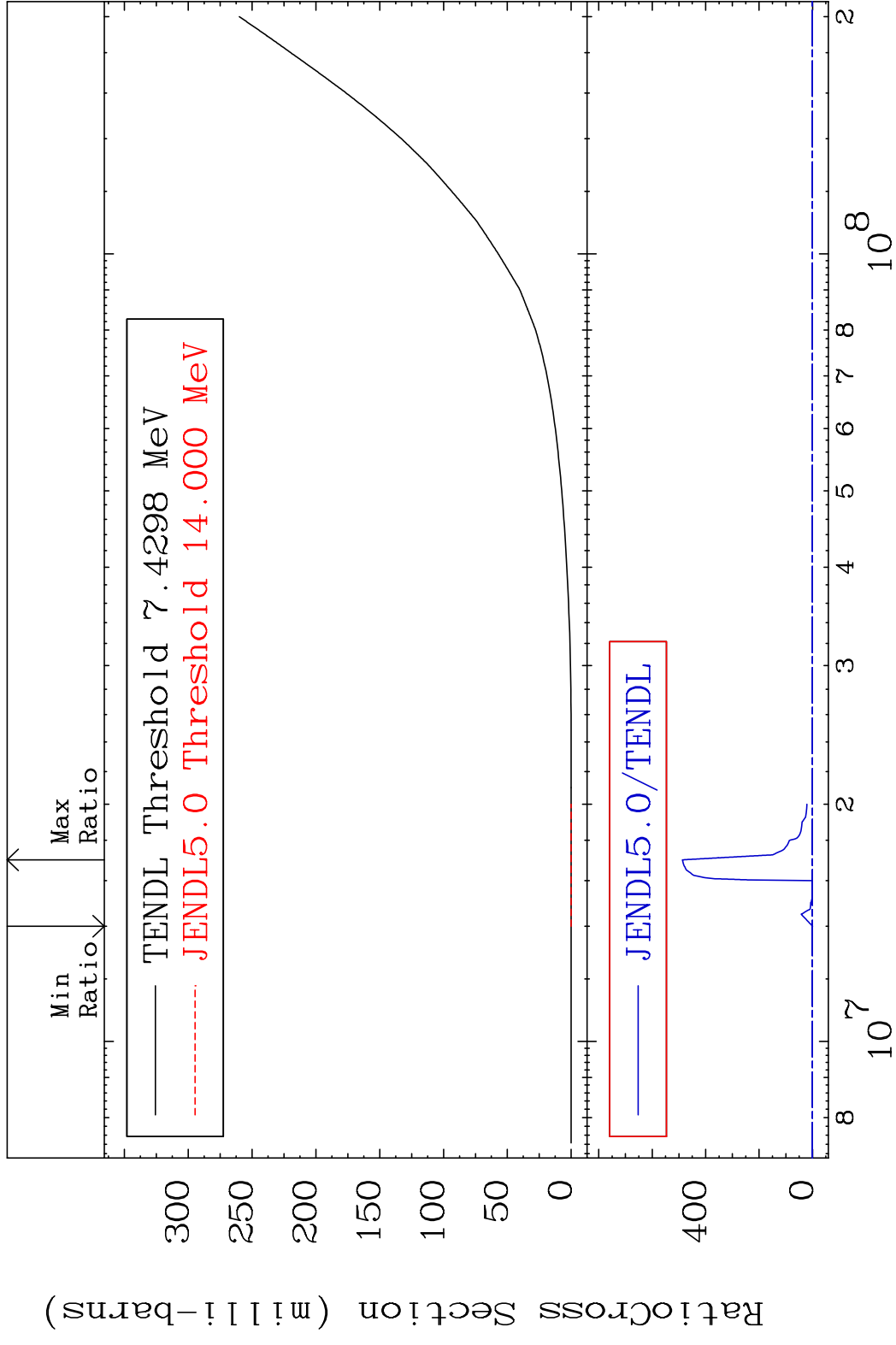


MAT 5840

He-3 Production

58-Ce-141

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

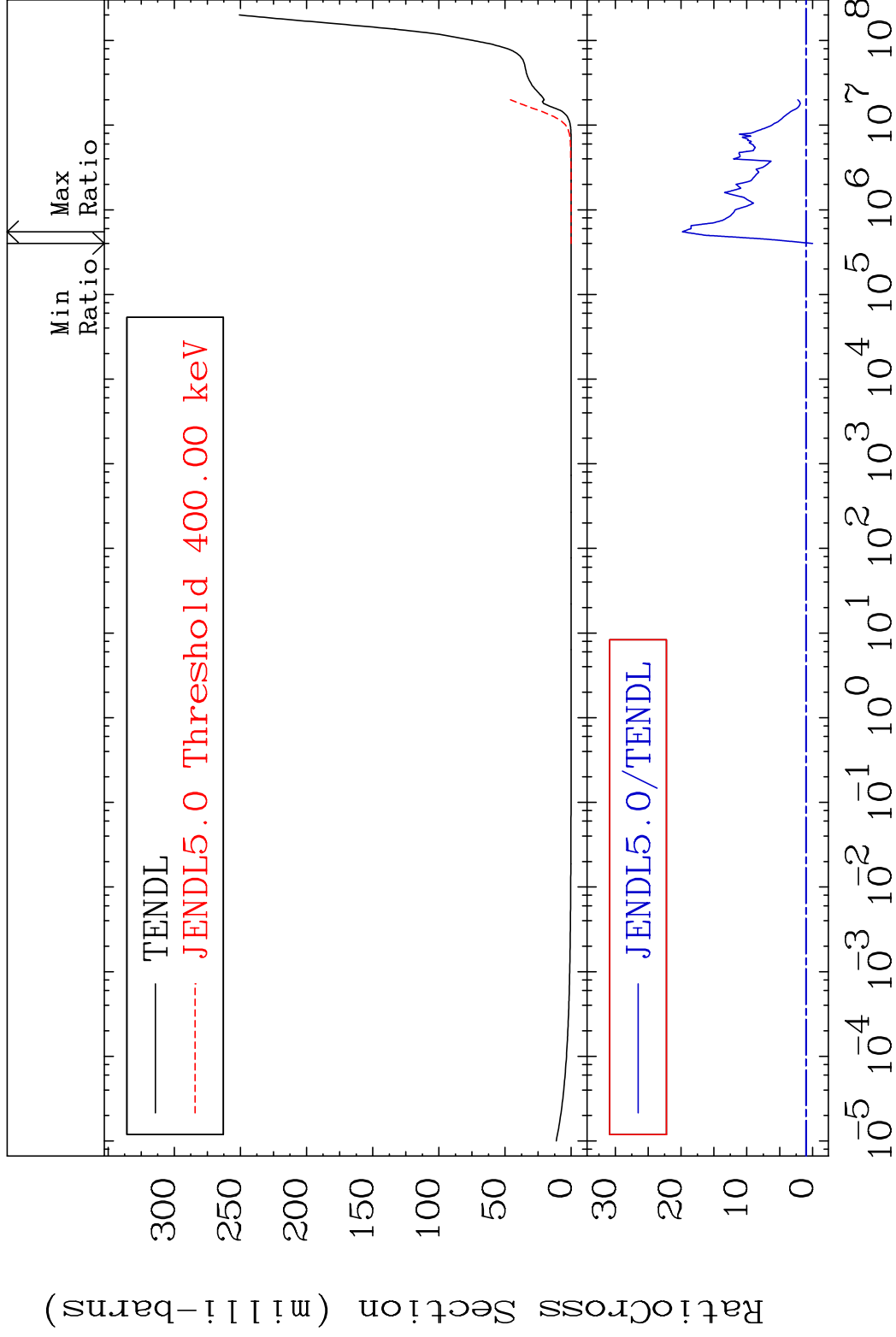
58-Ce-141

MAT 5840

He-4 Production

58-Ce-141

Cross Section -100.0 To 1880. %



34

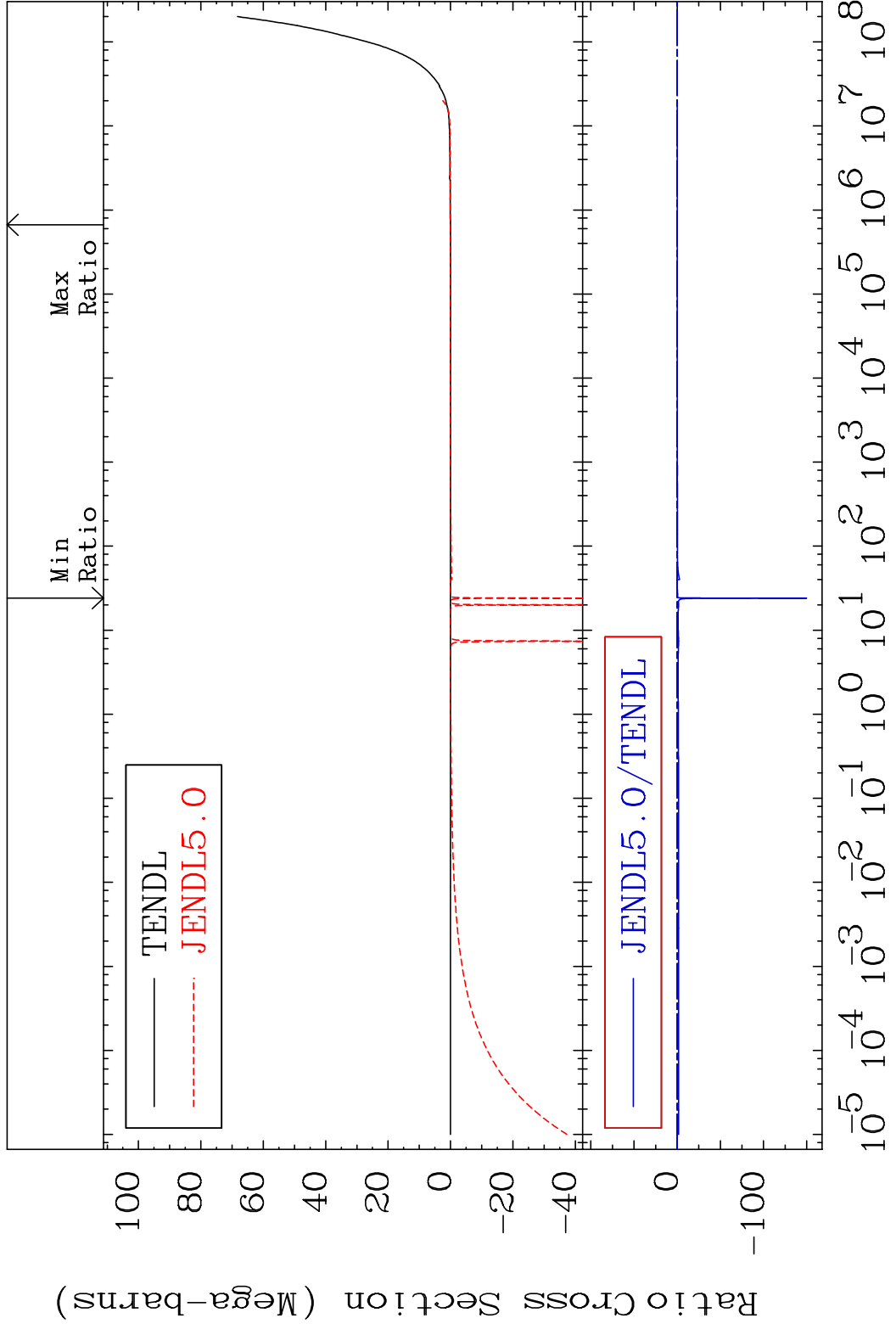
Incident Energy (eV)

58-Ce-141

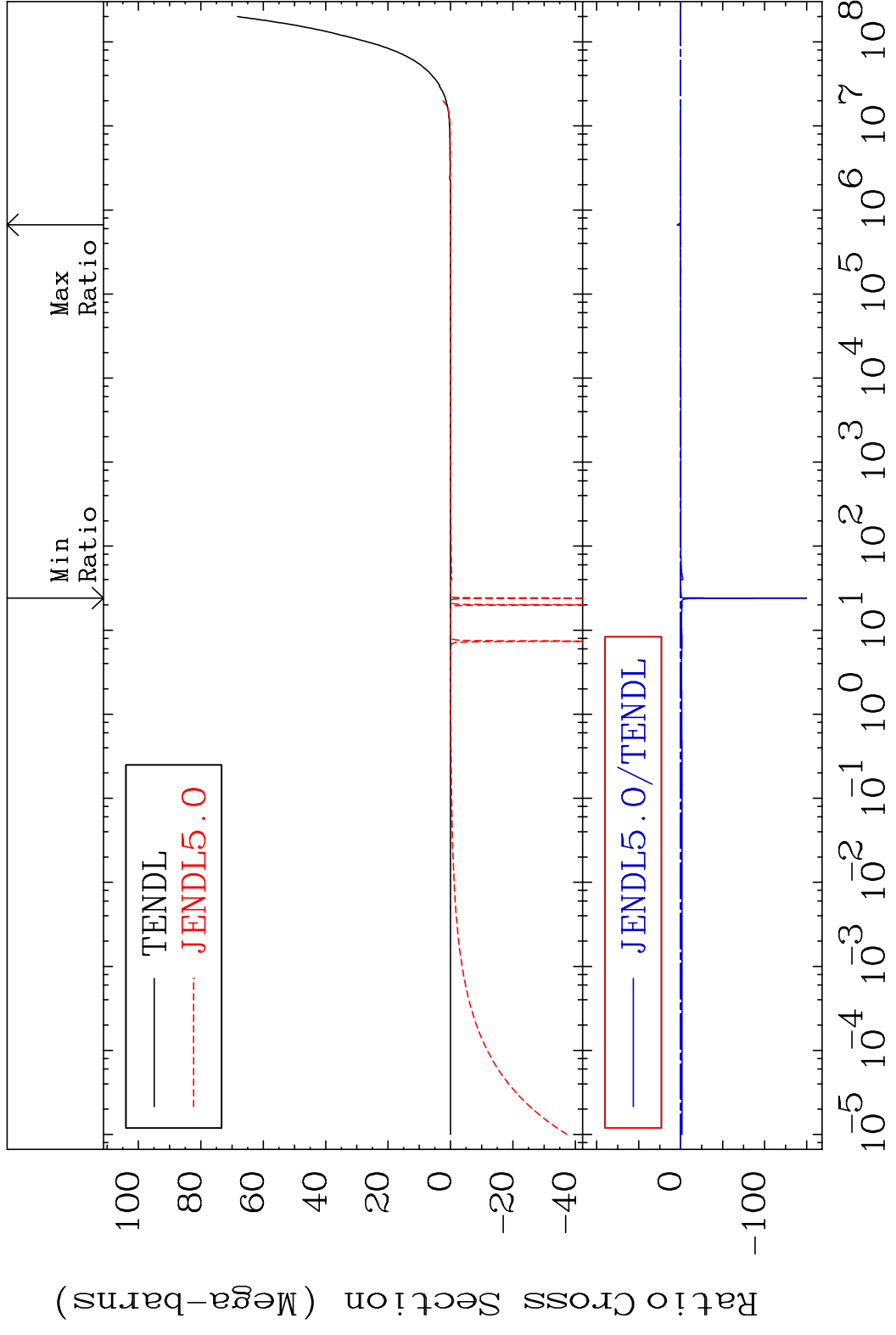
MAT 5840

Kerma total (eV-barns) 58-Ce-141

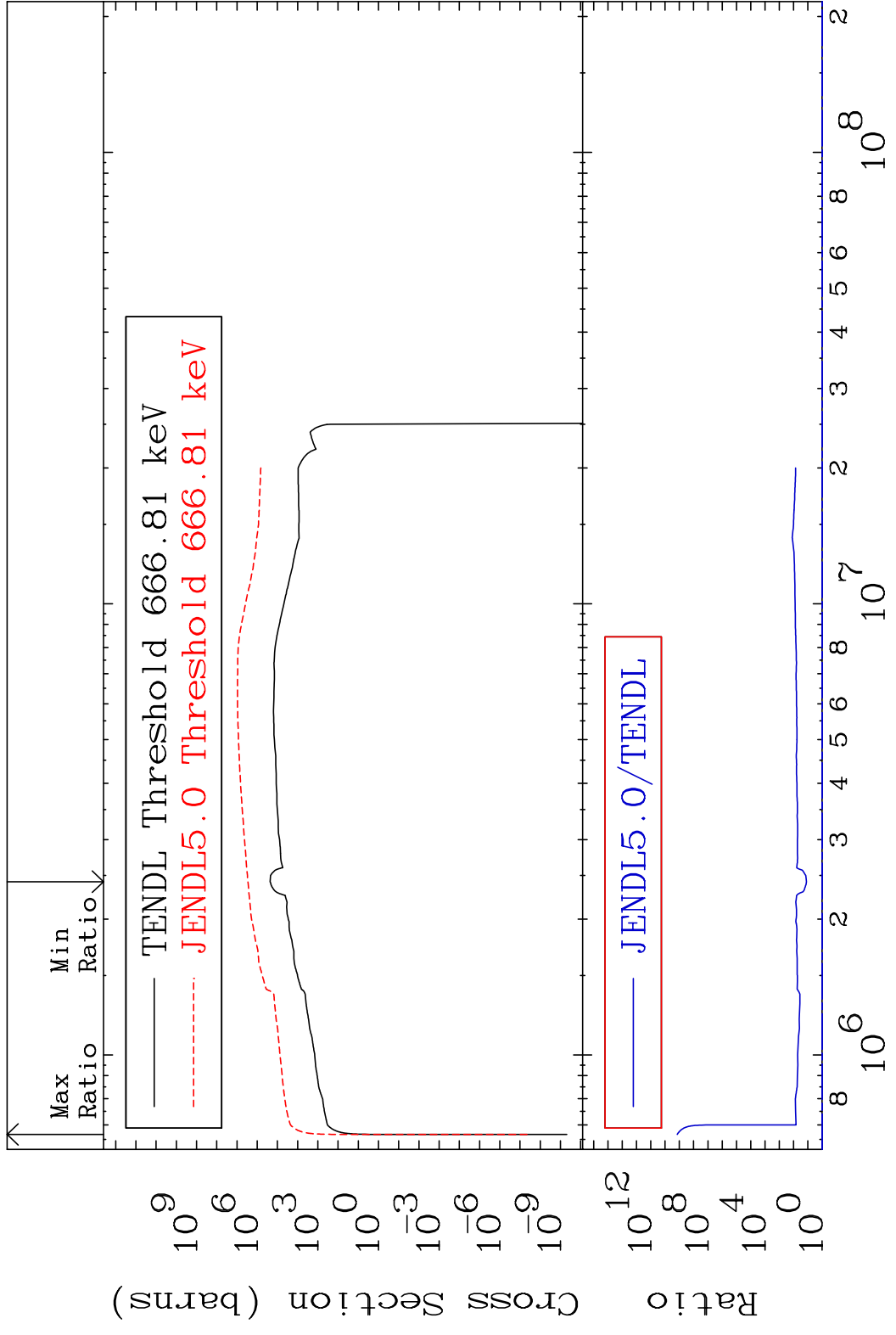
Cross Section -9999. To 108.4 %



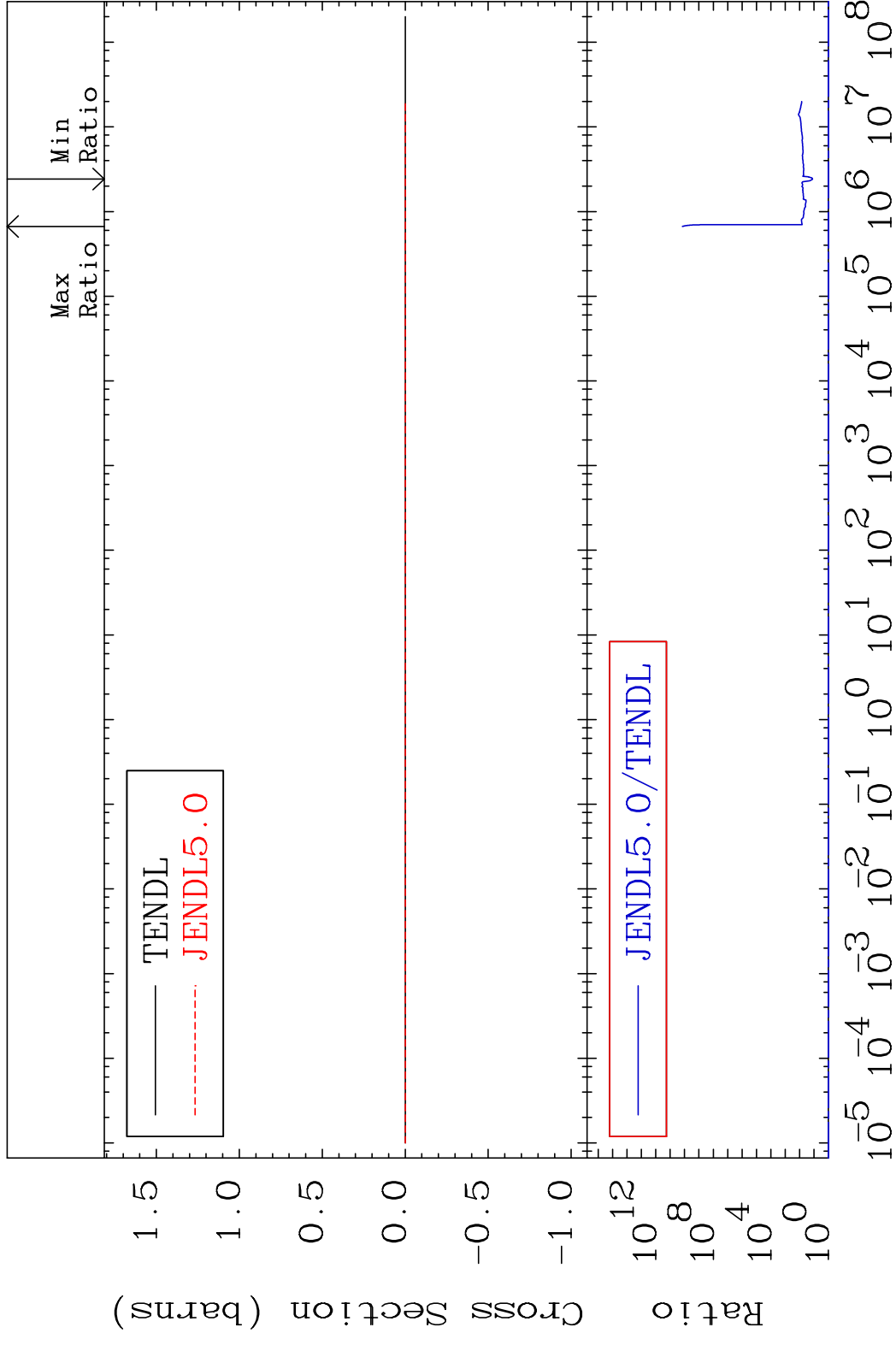
MAT 5840 Kerma non-elastic (all but mt2) 58-Ce-141
 Cross Section -9999. To 9999. %



MAT 5840 Kerma inelastic (mt51-91) 58-Ce-141
 Cross Section 1164. To 9999. %

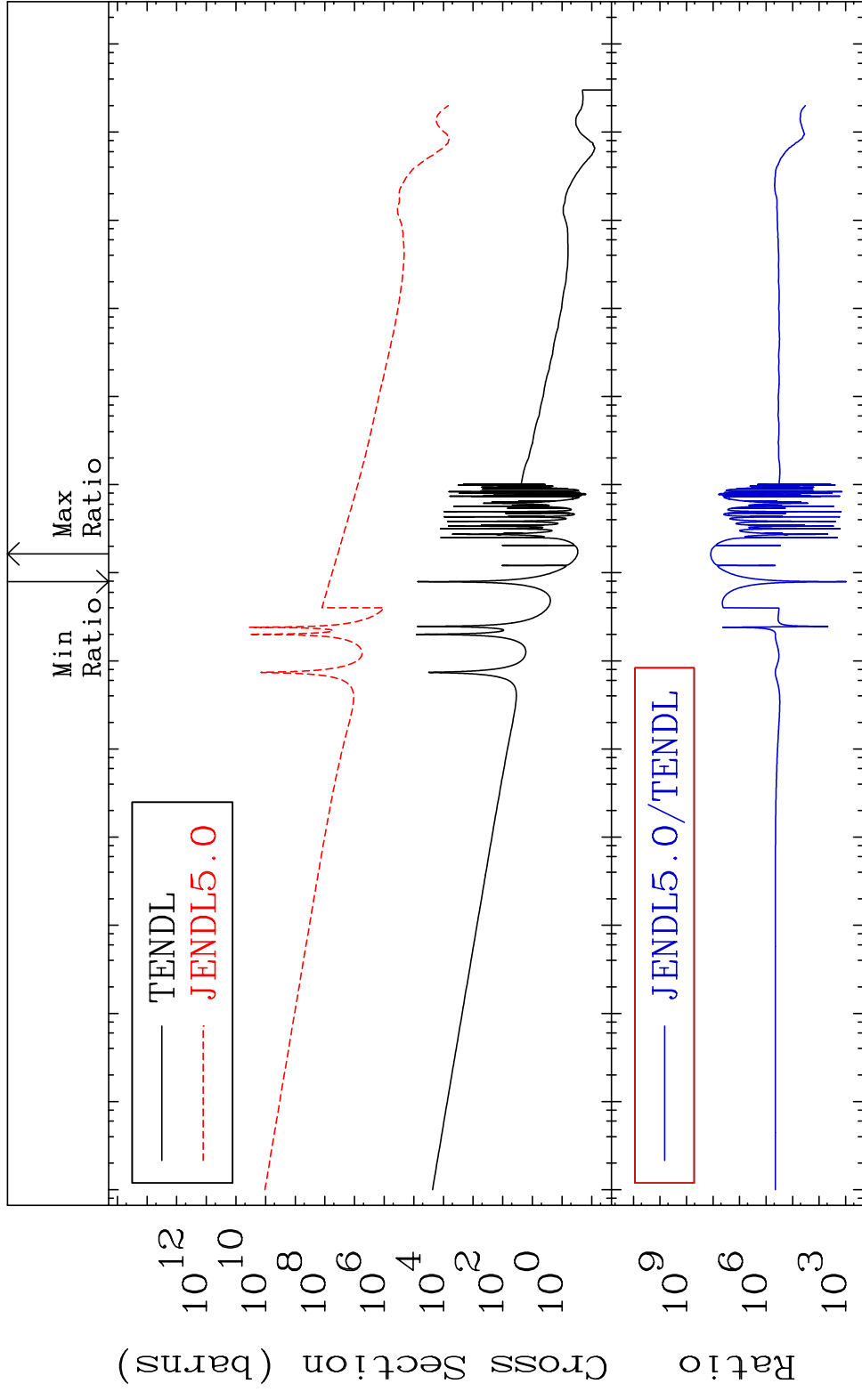


MAT 5840 Kerma fission (mt18 or mt19-20-21-38) 58-Ce-141
 Cross Section 1164. To 9999. %



MAT 5840

Kerma capture (mt102) 58-Ce-141
Cross Section 9999. To 9999. %



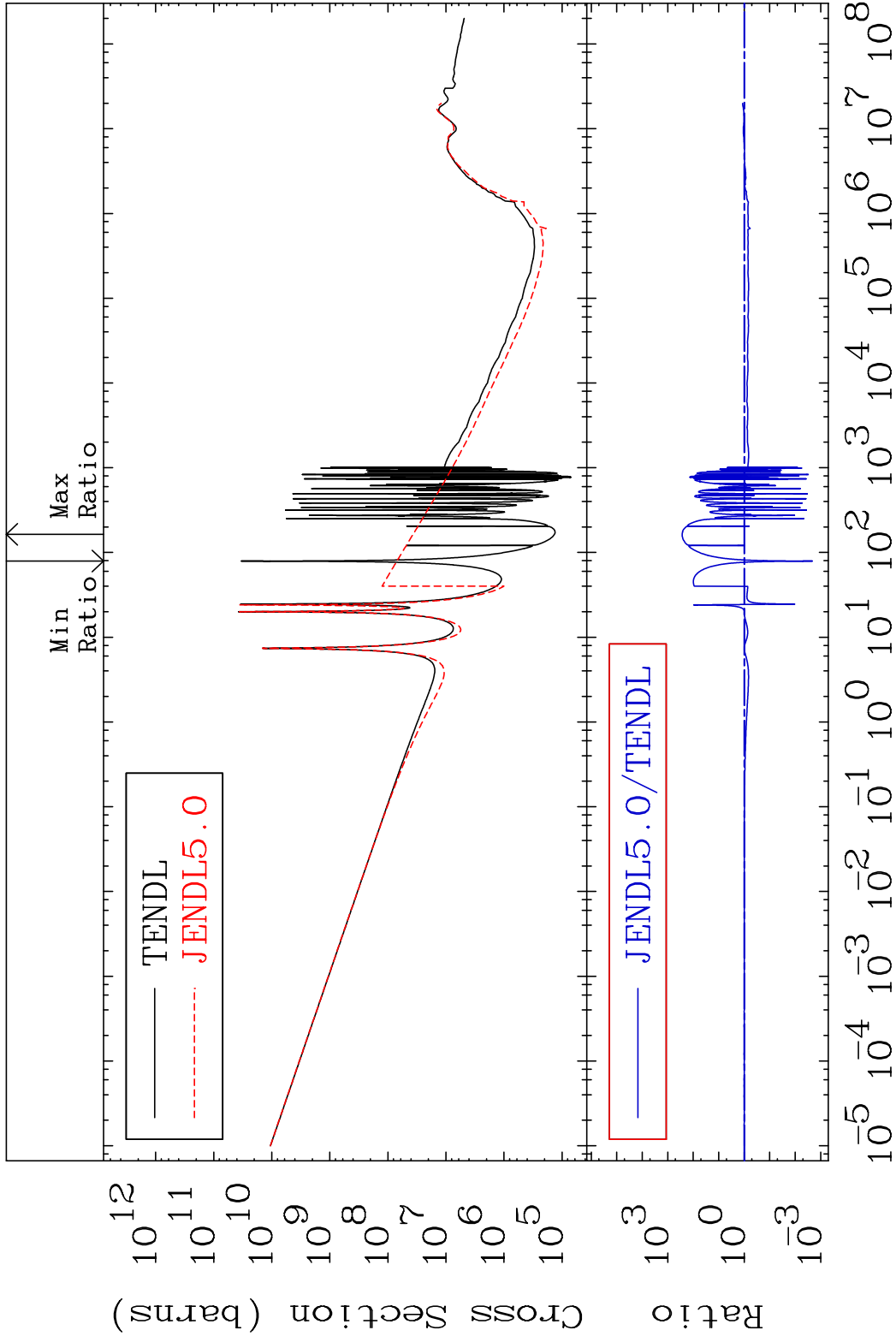
40

Incident Energy (eV)

58-Ce-141

MAT 5840

Total photon (eV-barns) 58-Ce-141
Cross Section -99.79 To 9999. %

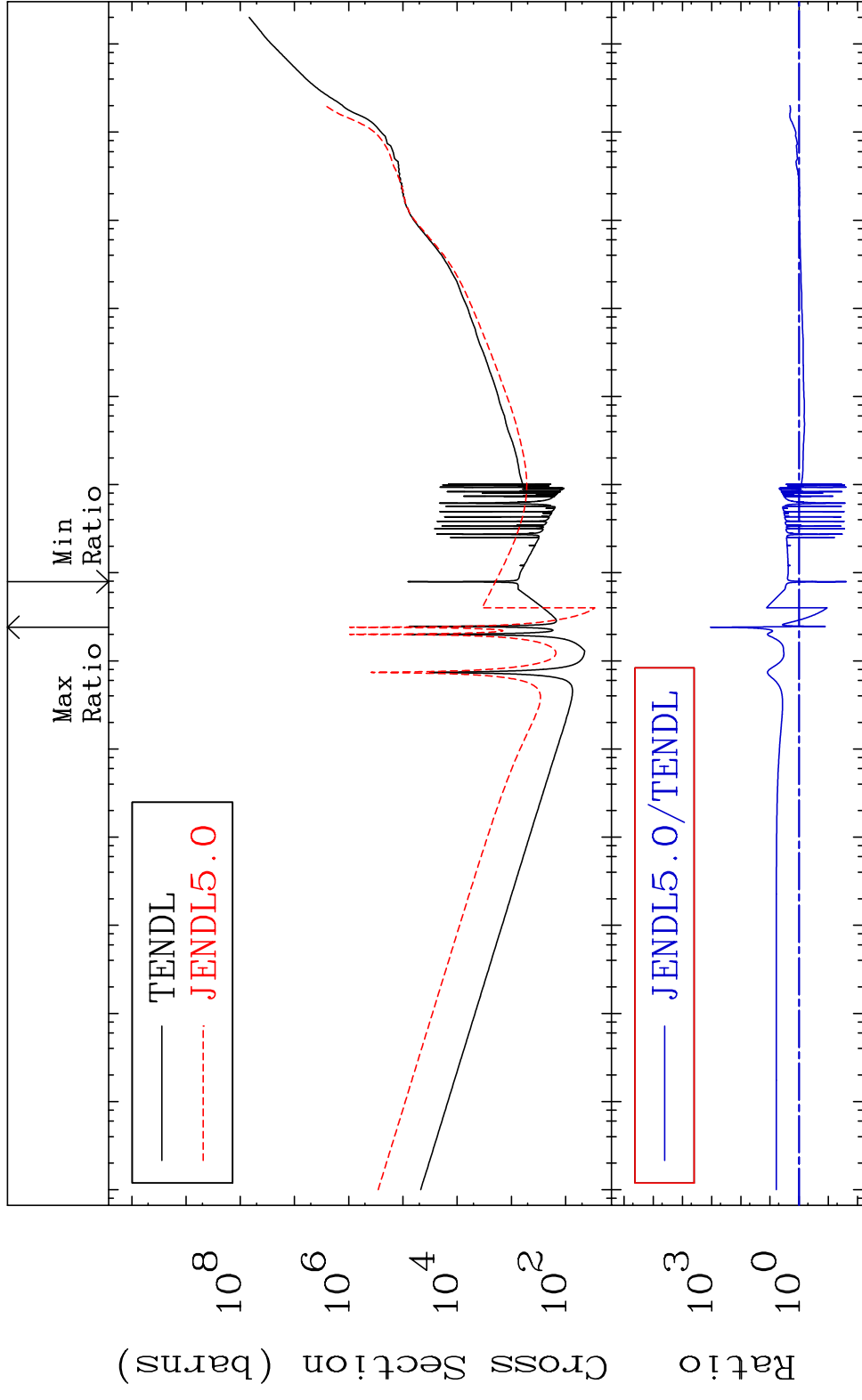


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Incident Energy (eV)

58-Ce-141

MAT 5840 Total kinematic kerma (high limit) 58-Ce-141
 Cross Section -97.57 To 9999. %



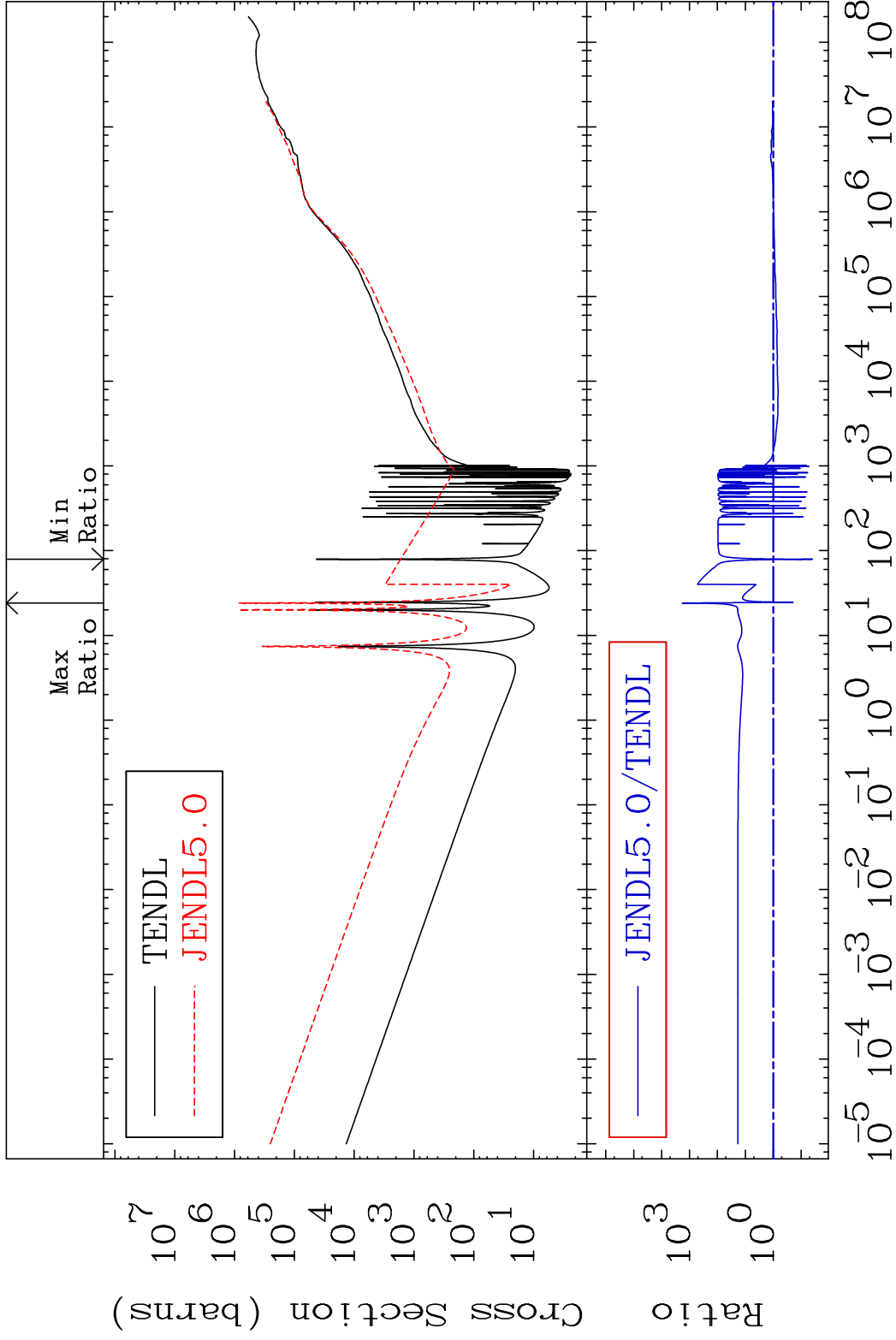
42 Incident Energy (eV) 58-Ce-141

MAT 5840

Dpa total (eV-barns)

58-Ce-141

Cross Section -96.06 To 9999. %



43

Incident Energy (eV)

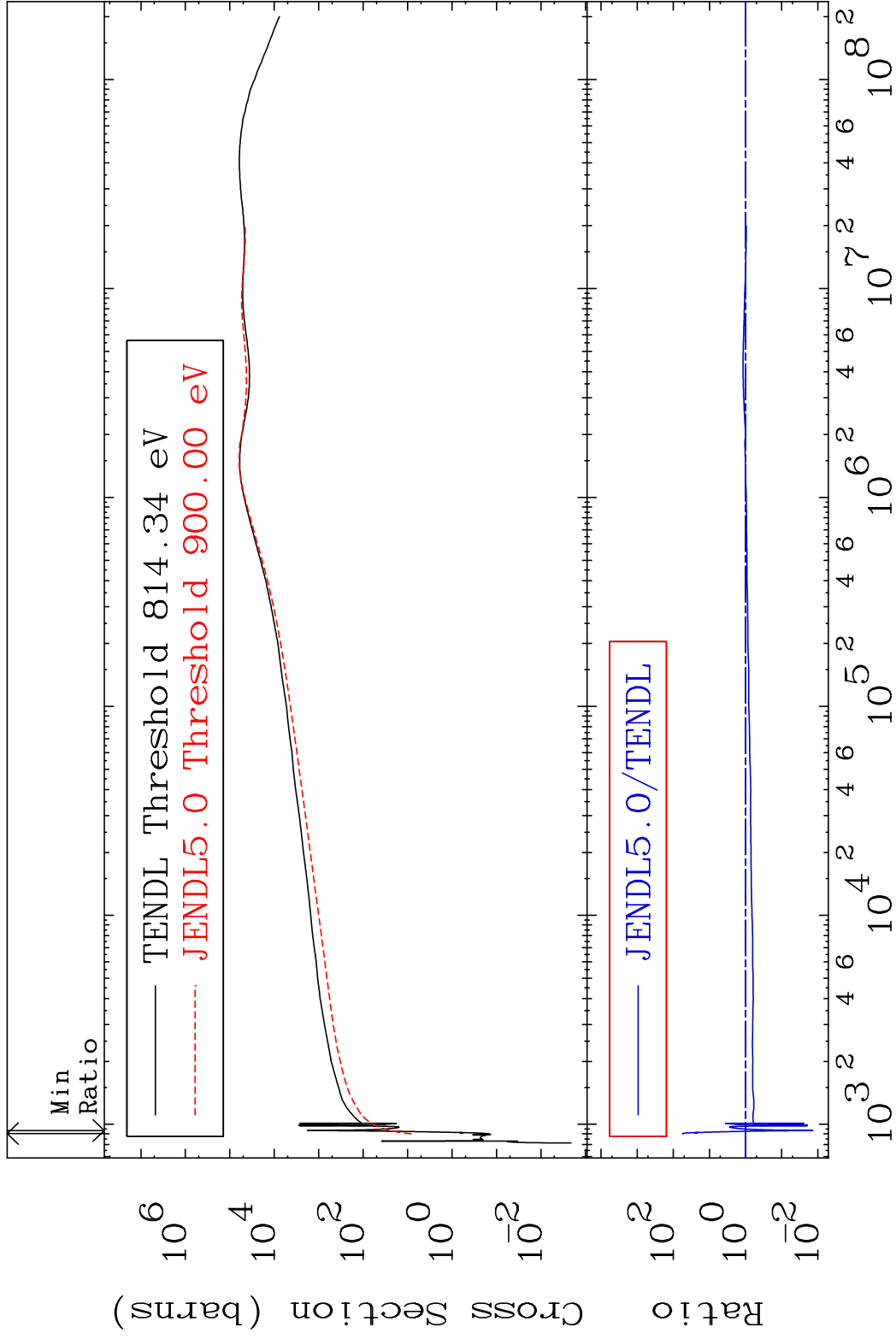
58-Ce-141

MAT 5840

Dpa elastic (mt2)

58-Ce-141

Cross Section -98.60 To 5517. %

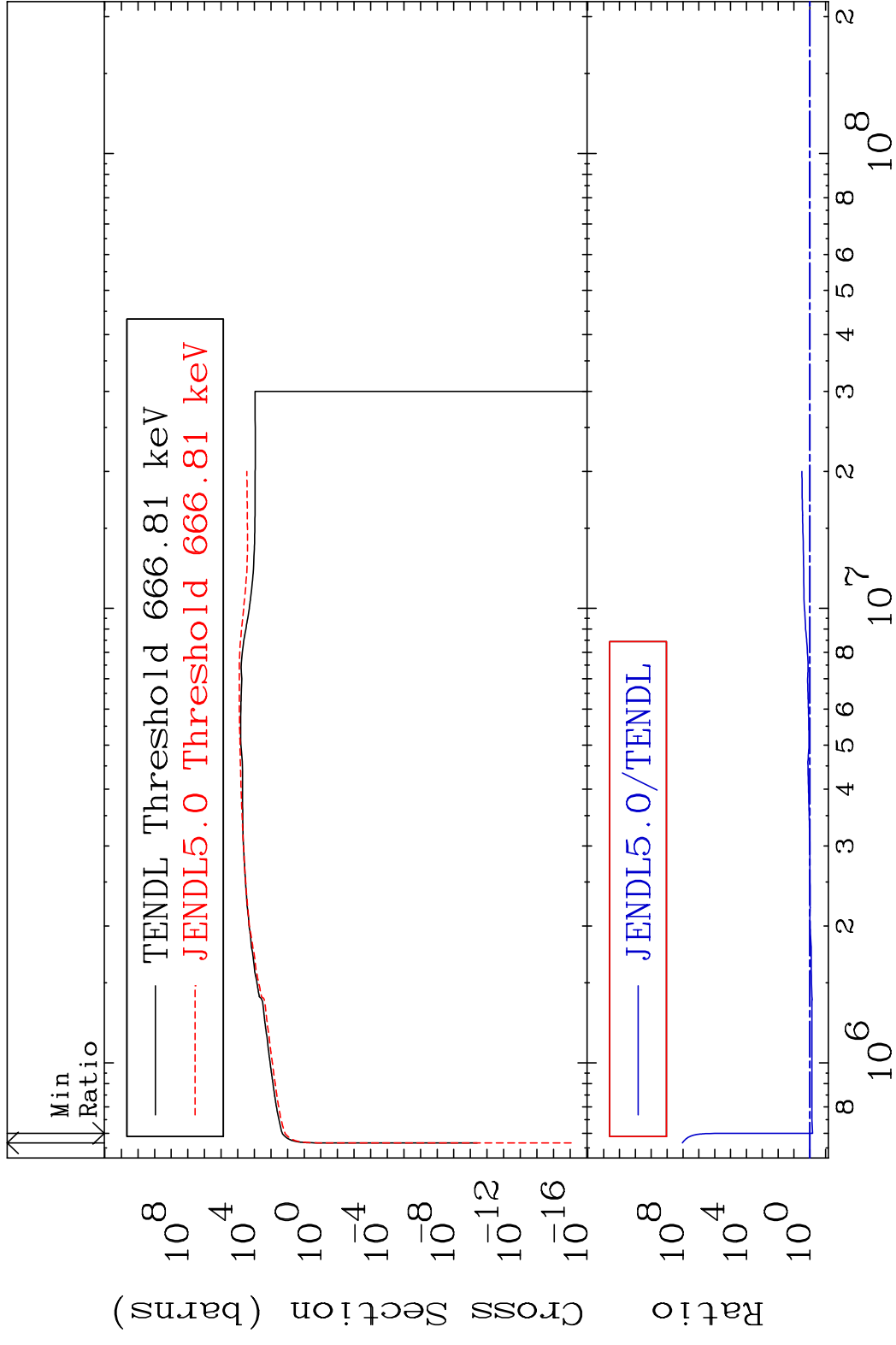


44

Incident Energy (eV)

58-Ce-141

MAT 5840 Dpa inelastic (mt51-91) 58-Ce-141
 Cross Section -32.76 To 9999. %



MAT 5840 Dpa disappearance (mt102 -120) 58-Ce-141
 Cross Section -96.06 To 9999. %

