

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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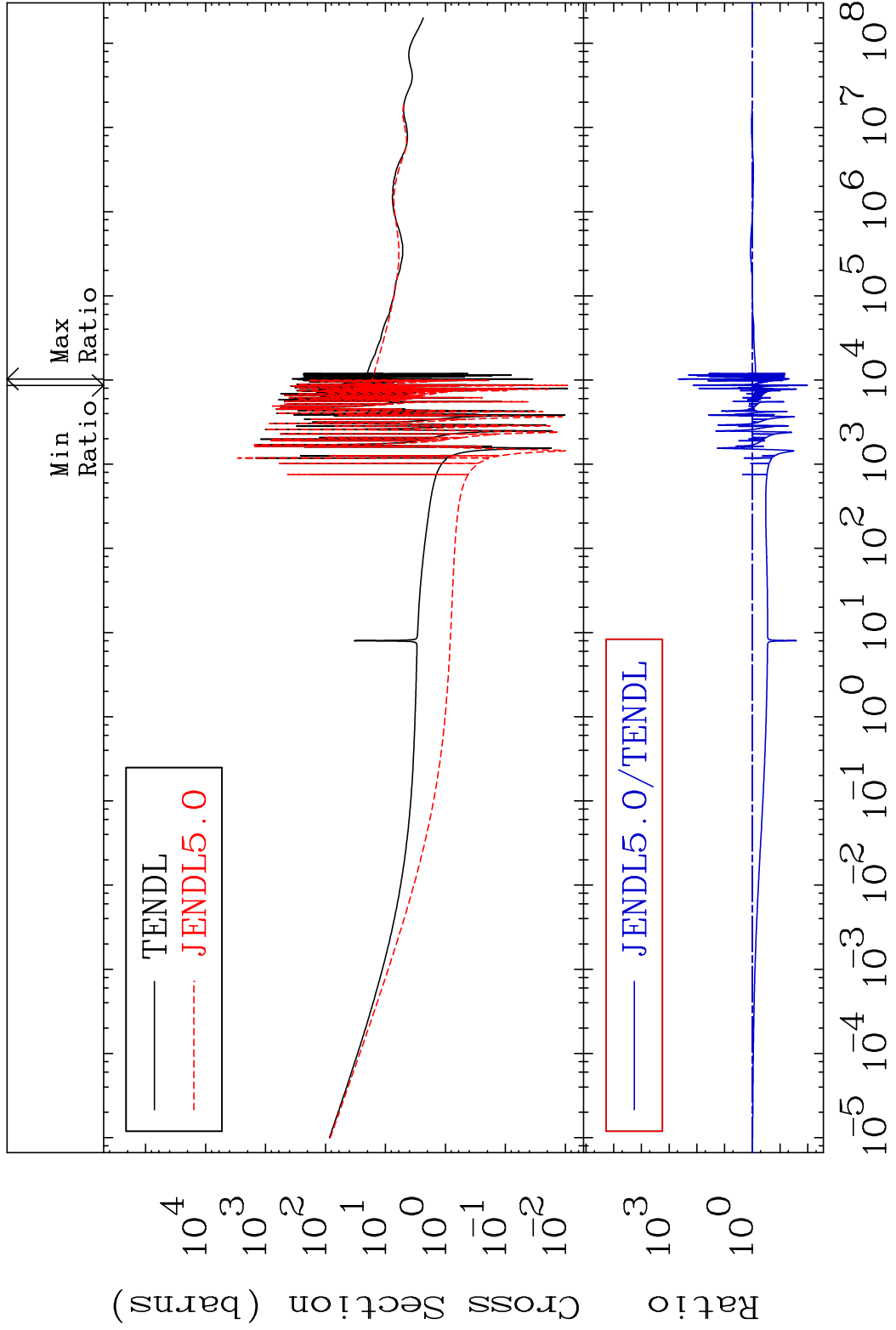
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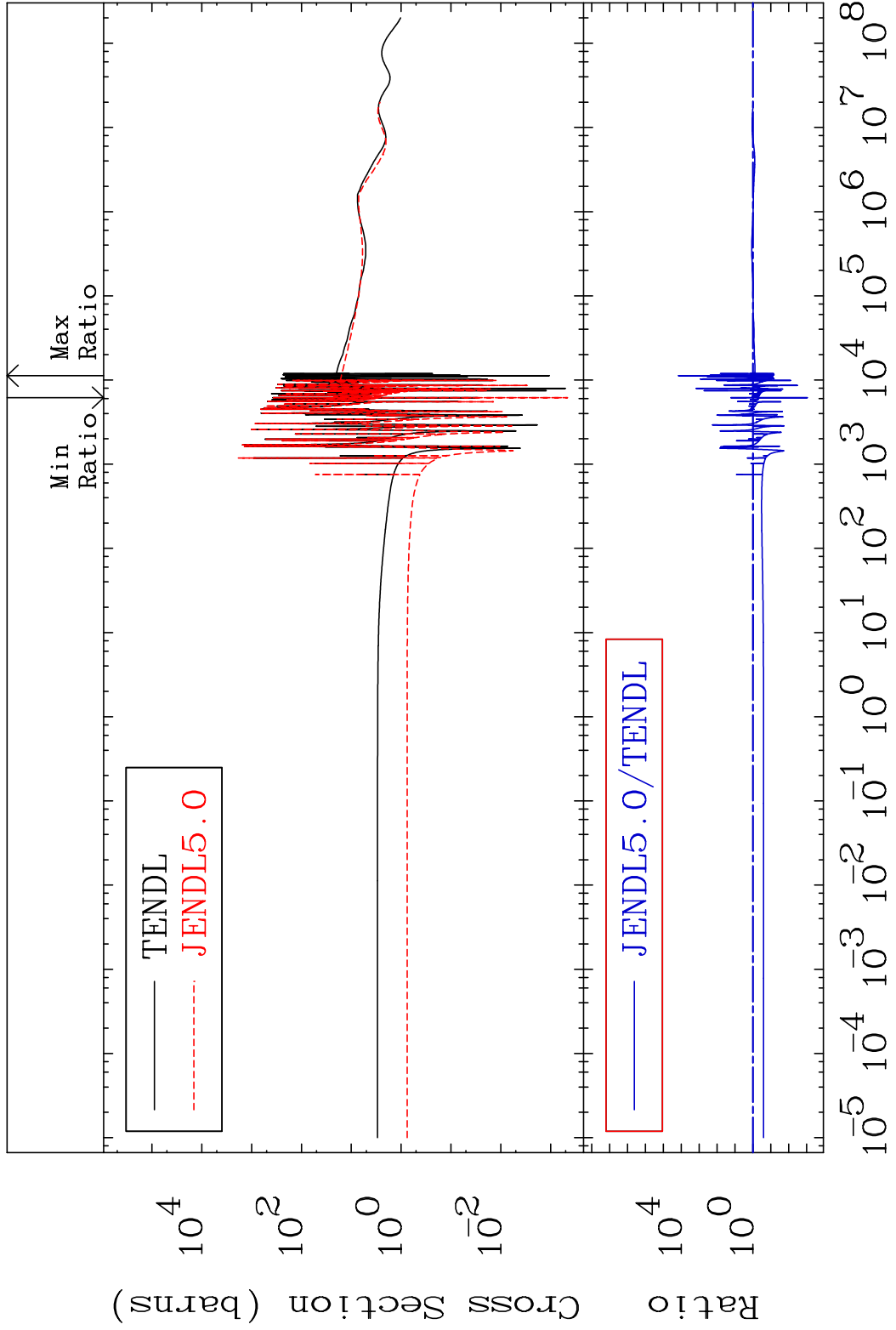
Press Mouse Button to Start

MAT 6225 Total 62-Sm-144
 Cross Section -99.00 To 9999. %



1 Incident Energy (eV) 62-Sm-144

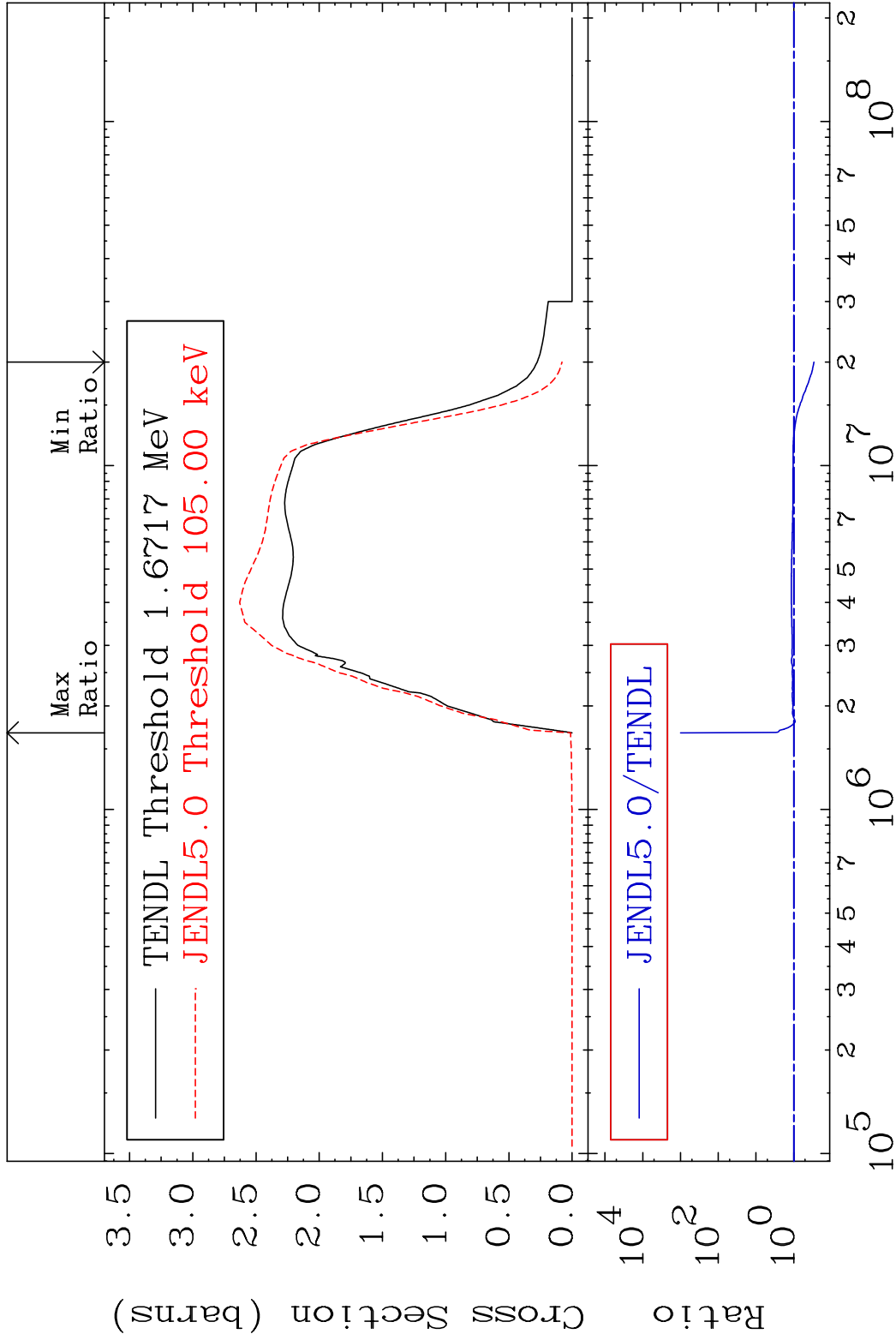
MAT 6225 Elastic 62-Sm-144
 Cross Section -99.91 To 9999. %



2 Incident Energy (eV) 62-Sm-144

MAT 6225

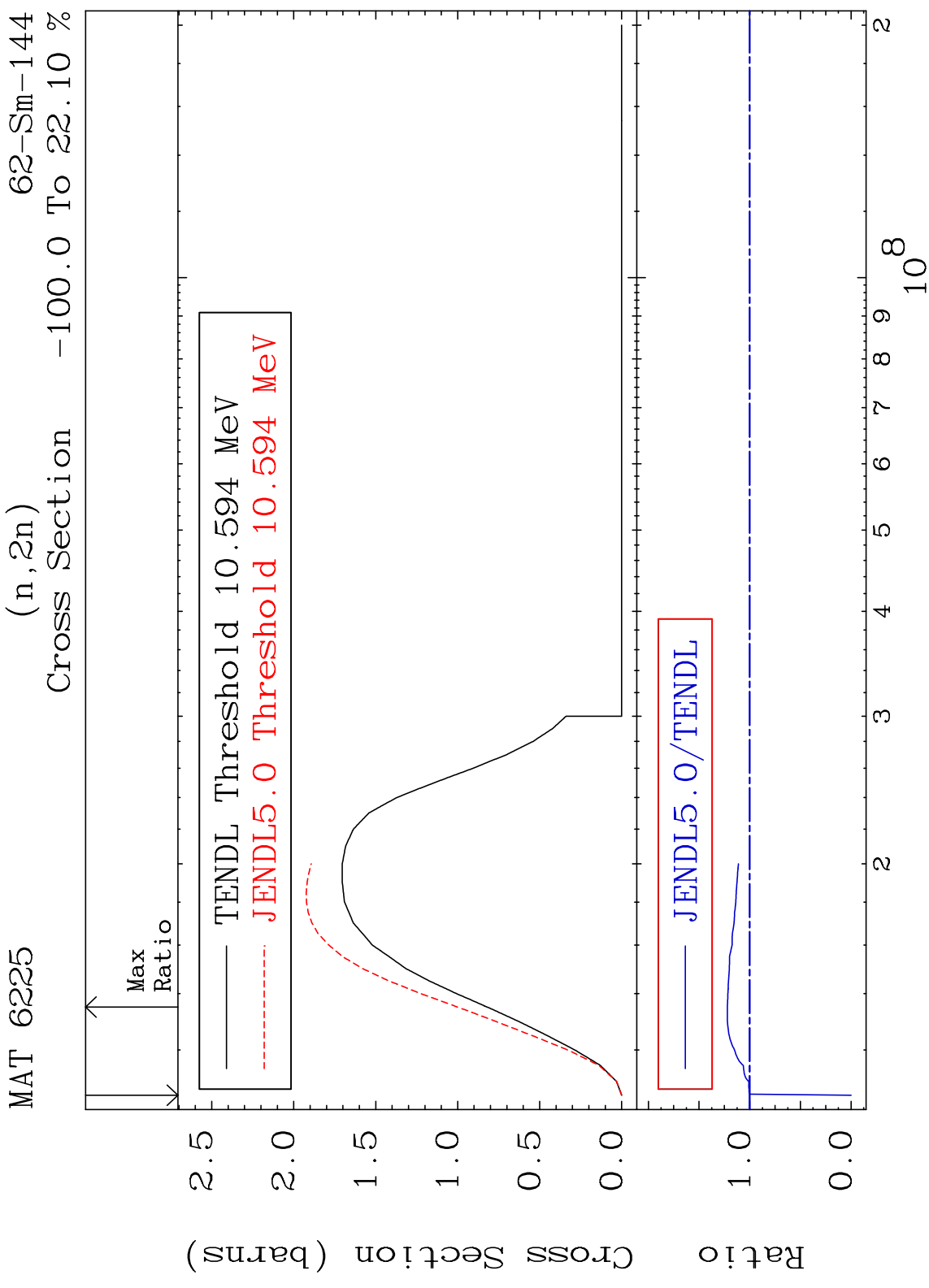
Inelastic Cross Section -70.75 To 9999. %
62-Sm-144



3

Incident Energy (eV)

62-Sm-144

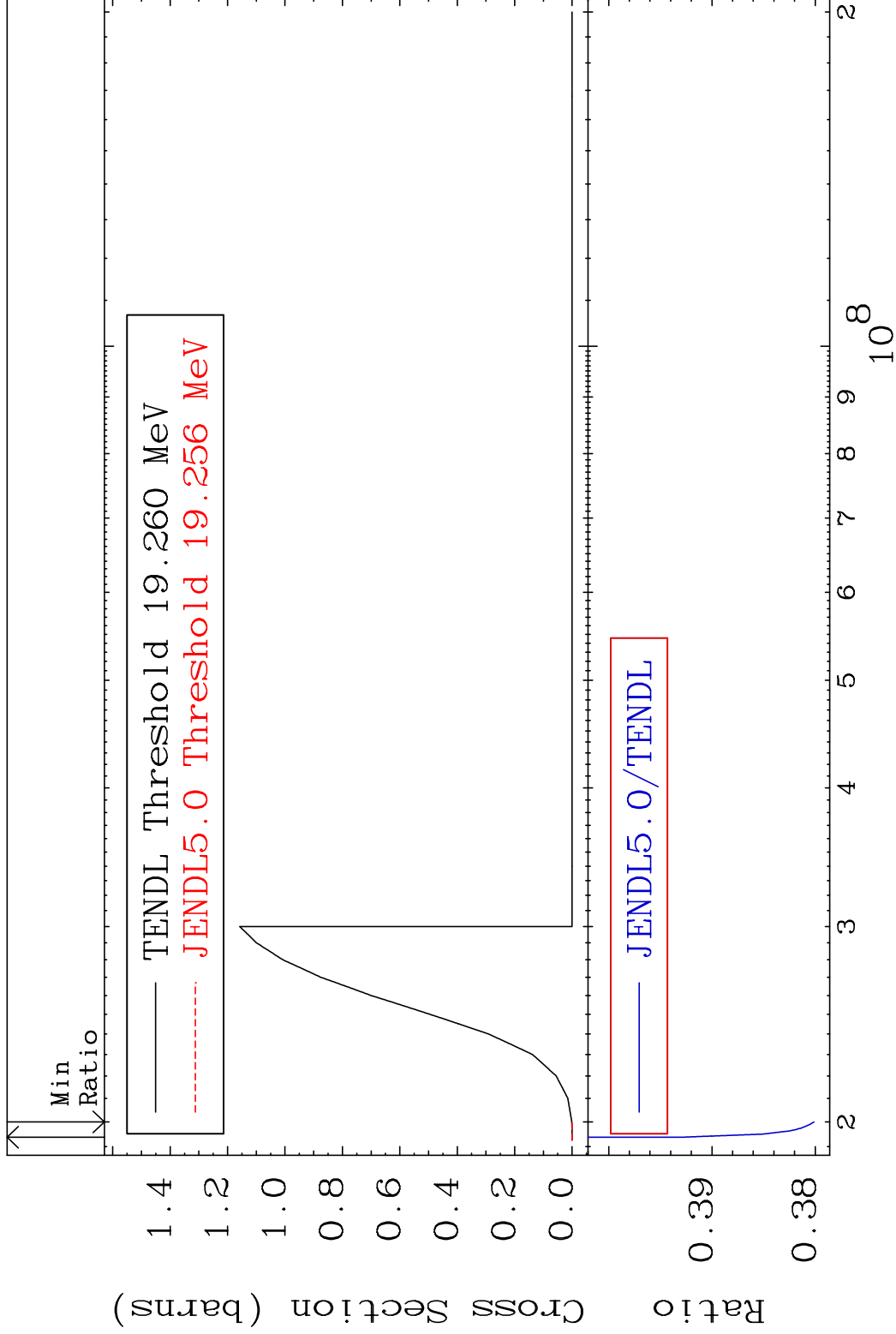


MAT 6225

(n,3n)

62-Sm-144

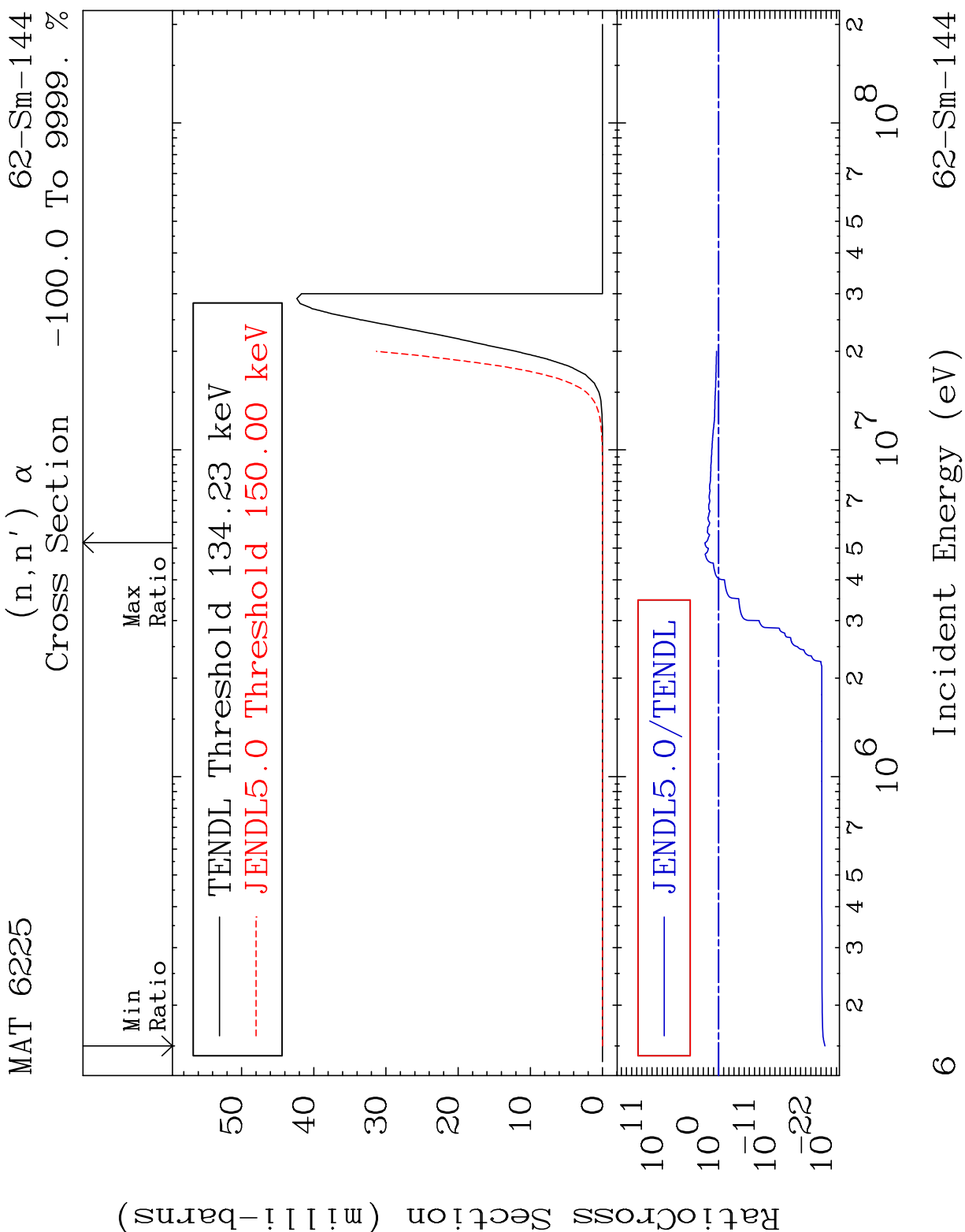
Cross Section -61.99 To -60.72%



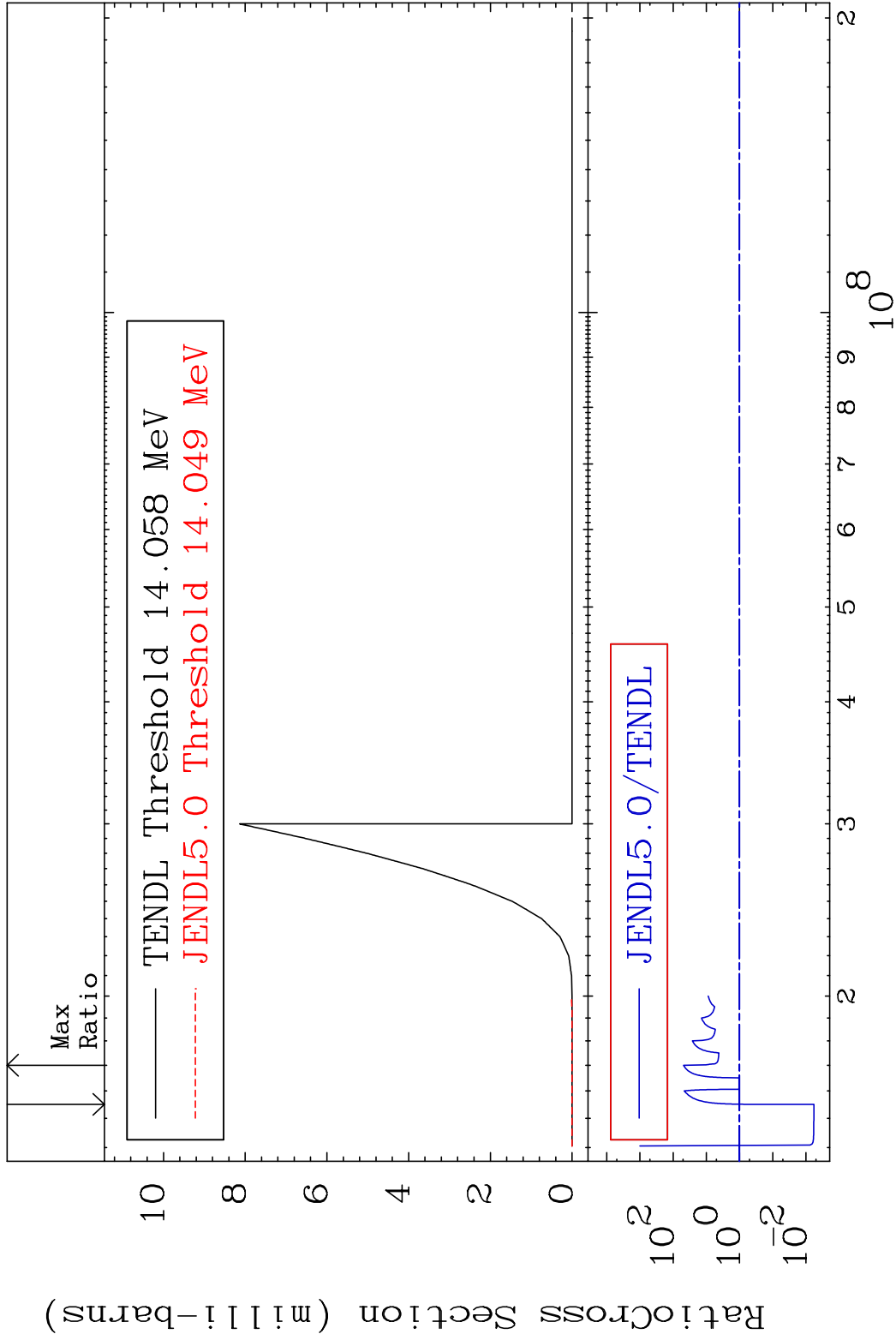
5

Incident Energy (eV)

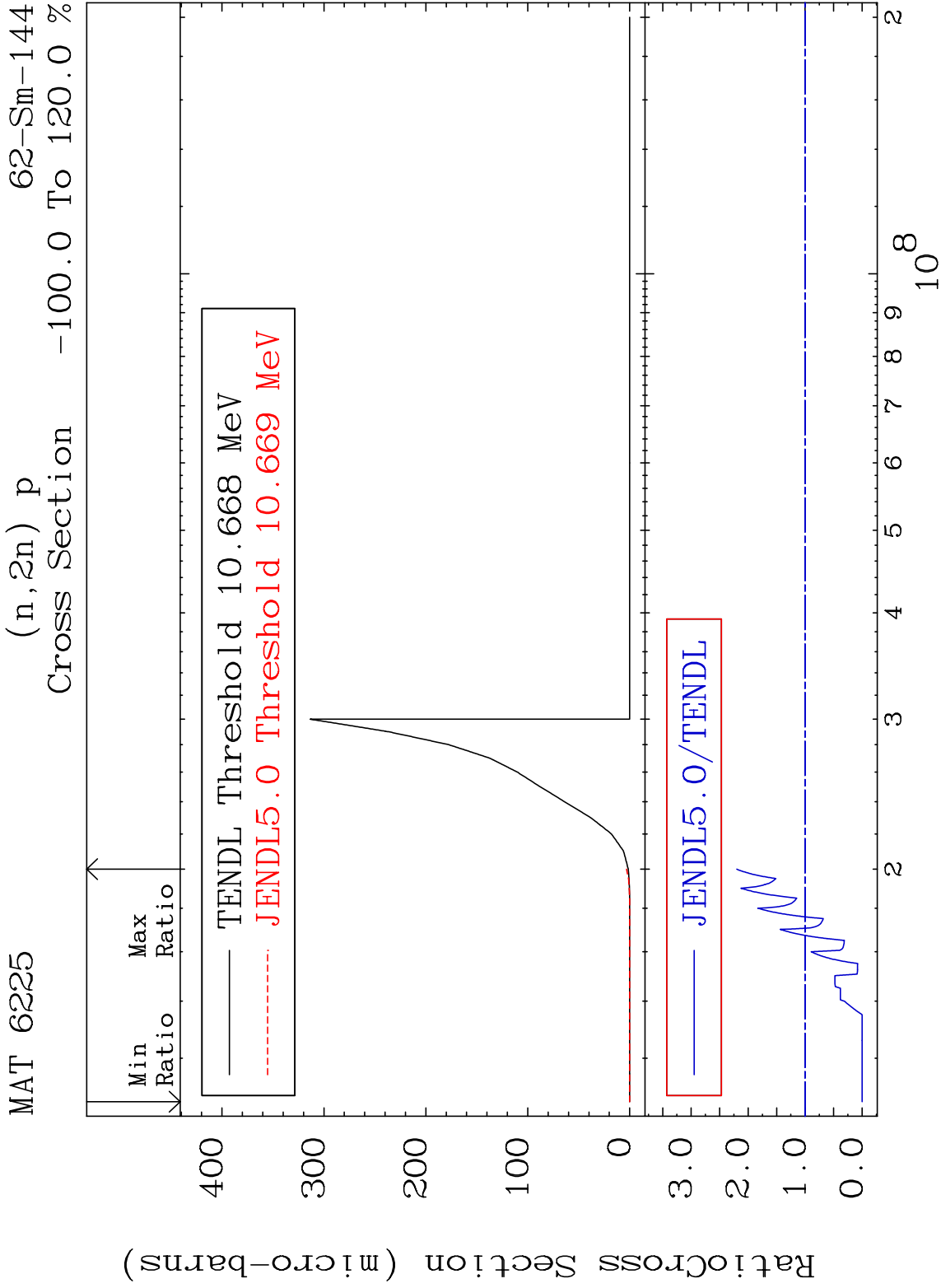
62-Sm-144



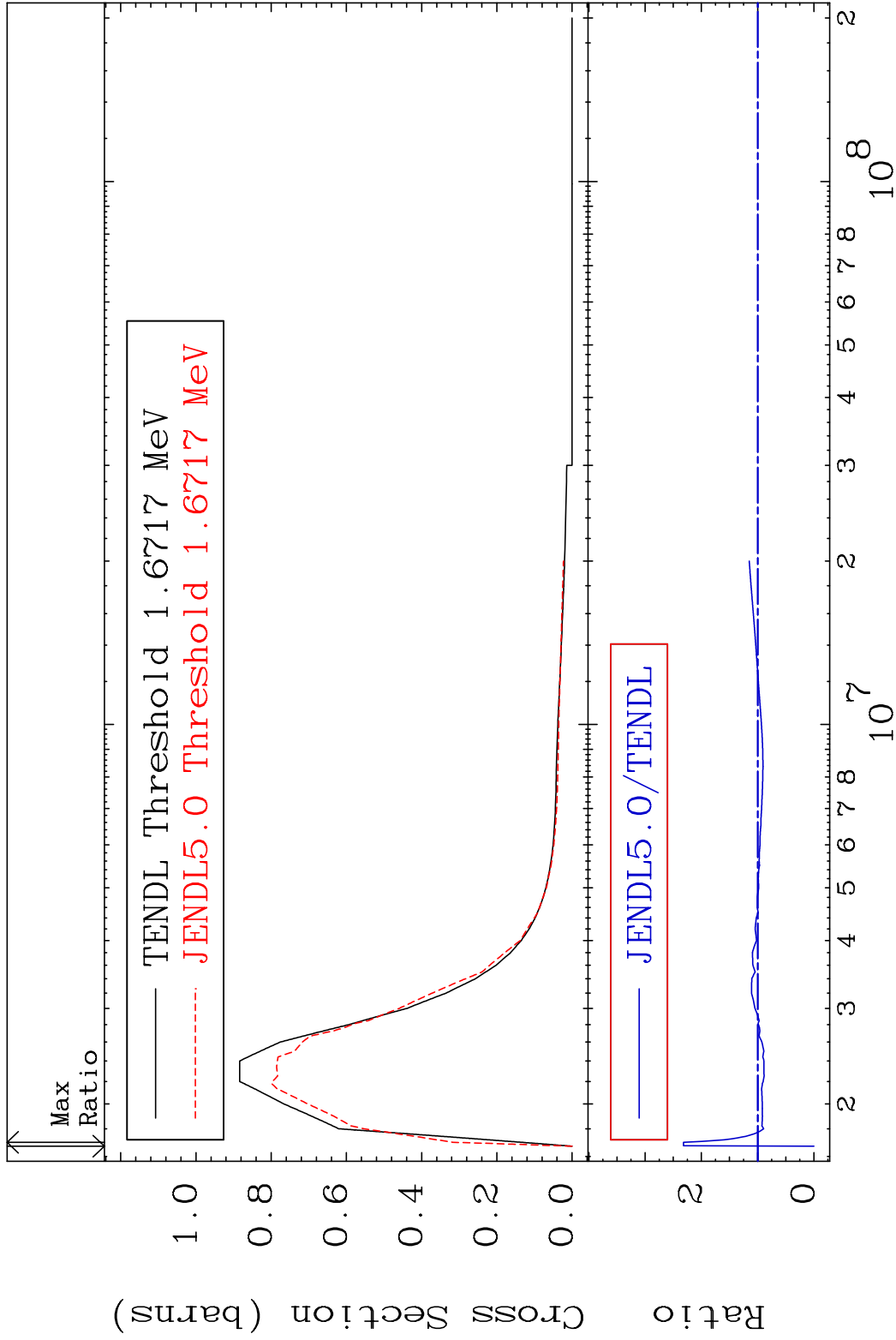
MAT 6225 (n, n') d 62-Sm-144
 Cross Section -99.42 To 4787. %



8 Incident Energy (eV) 62-Sm-144

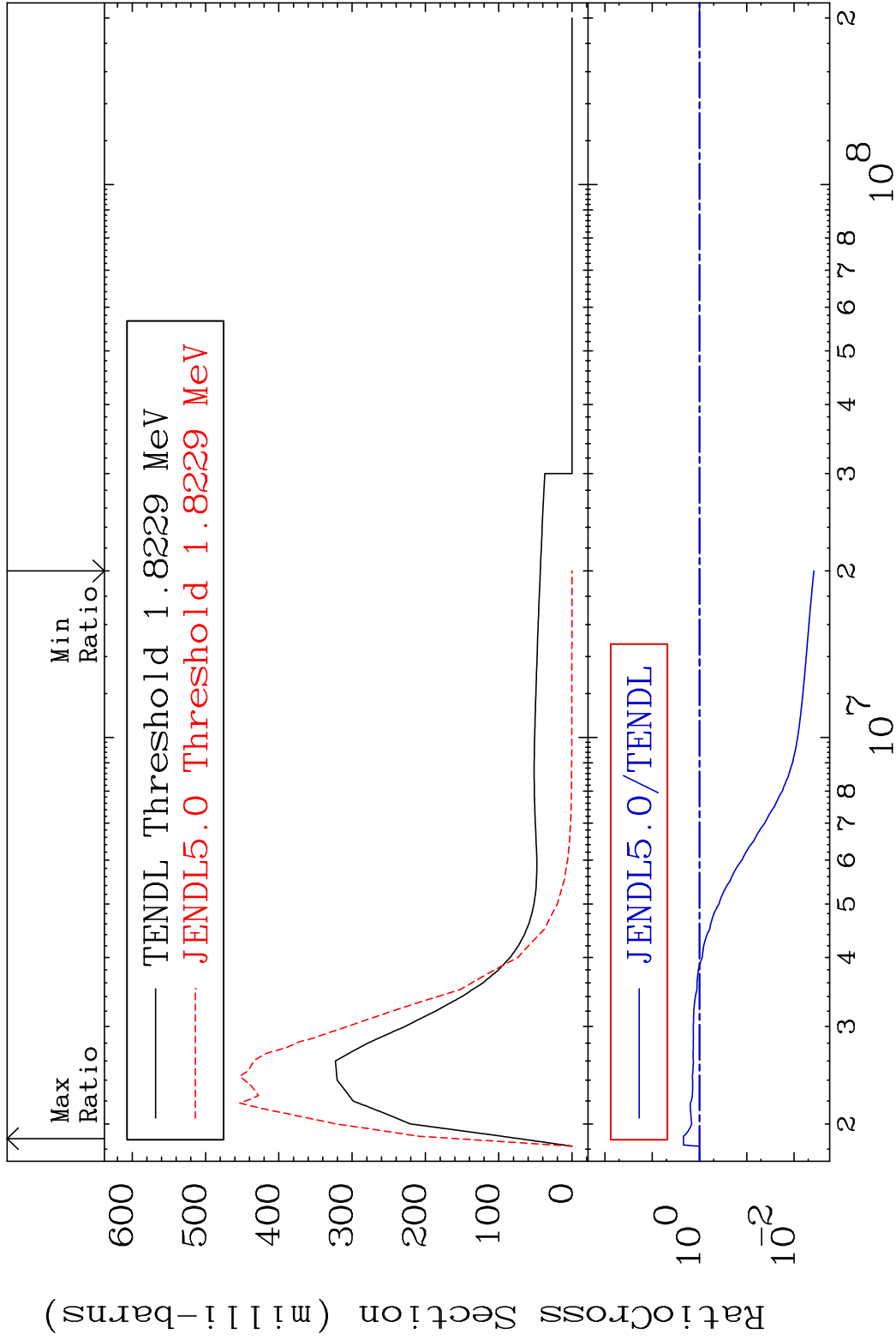


MAT 6225 MT= 51 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 131.9 %



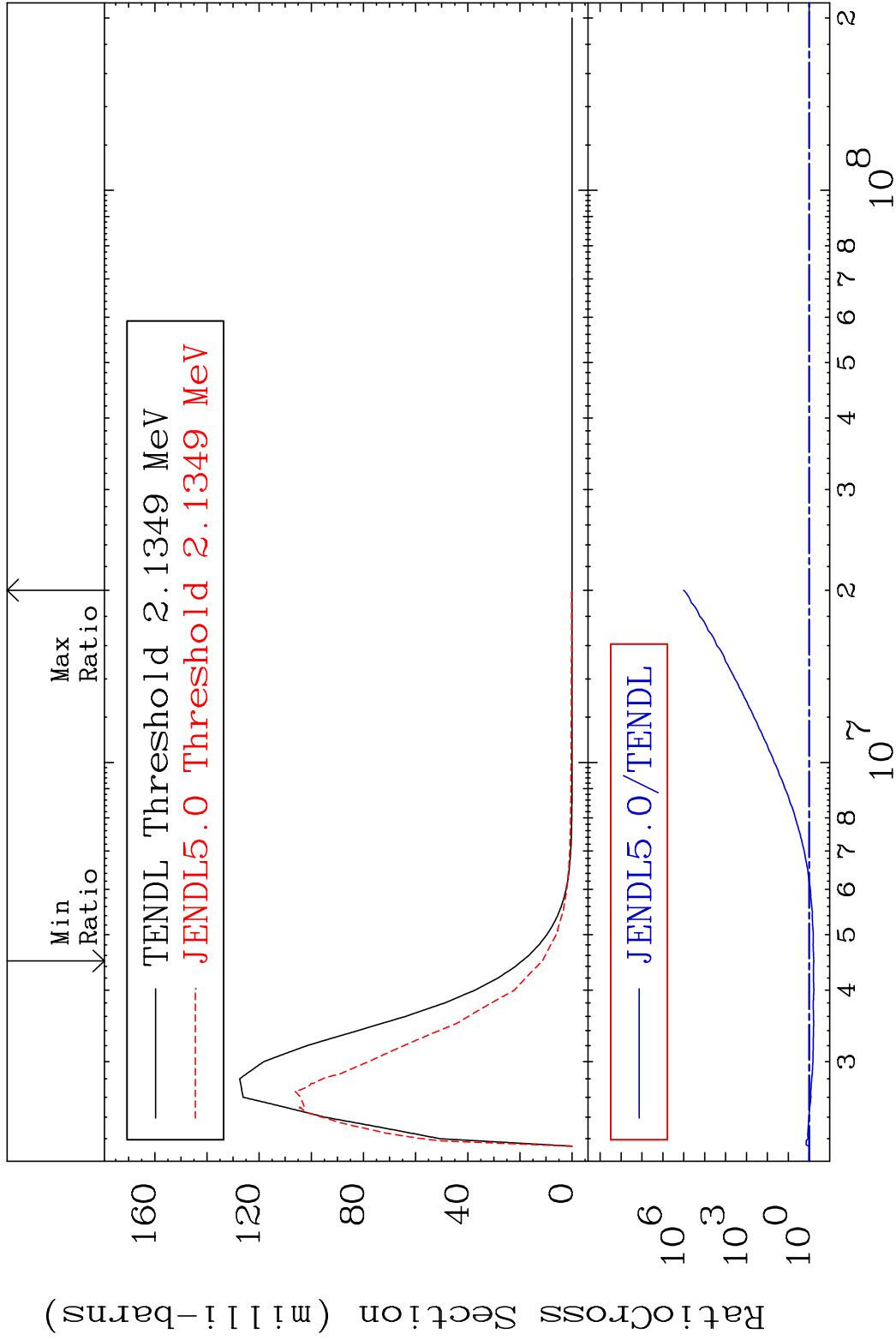
10 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 52 (n, n') Level 62-Sm-144
 Cross Section -99.62 To 117.7 %



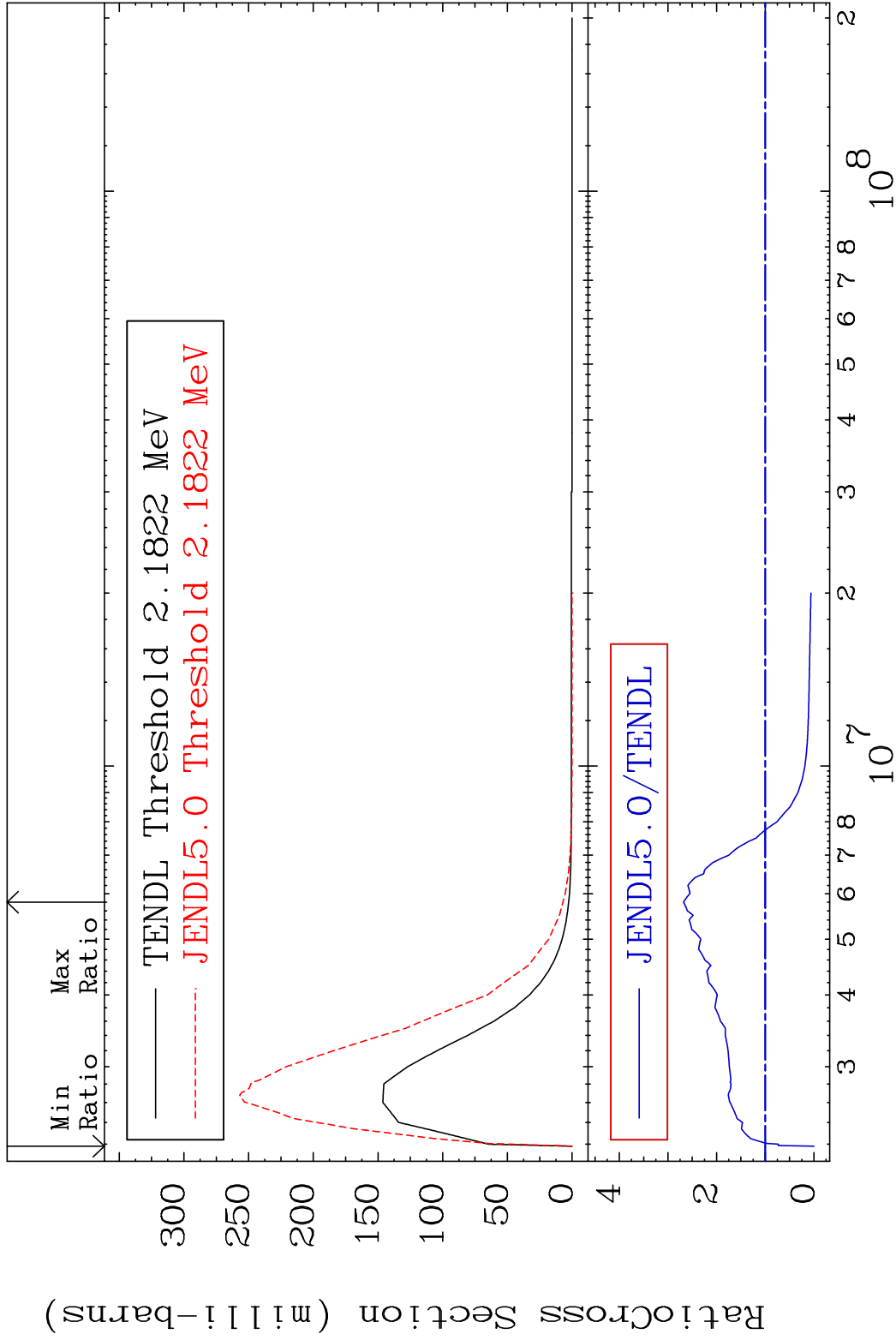
11 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 53 (n, n') Level 62-Sm-144
 Cross Section -40.73 To 9999. %

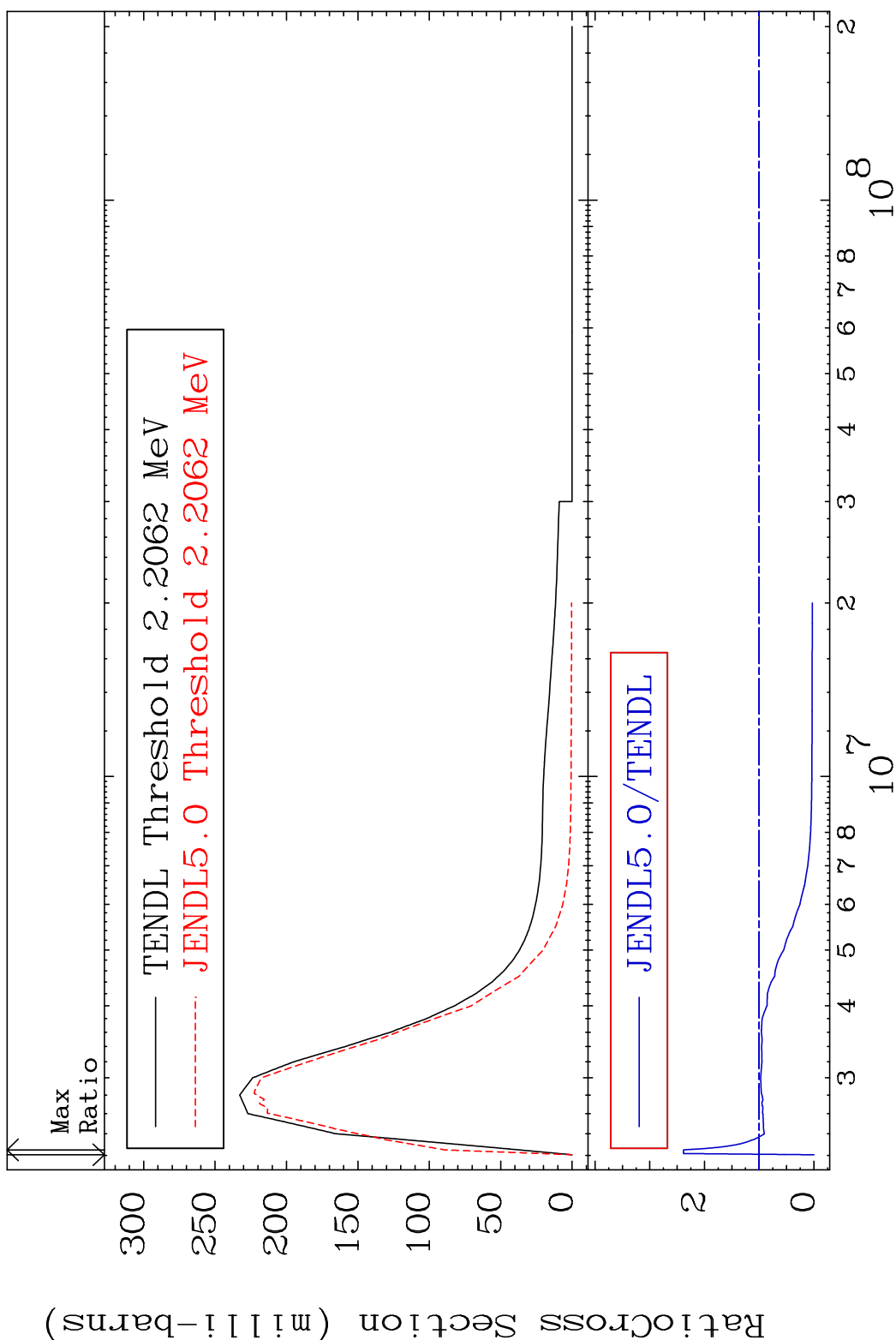


12 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 54 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 168.1 %

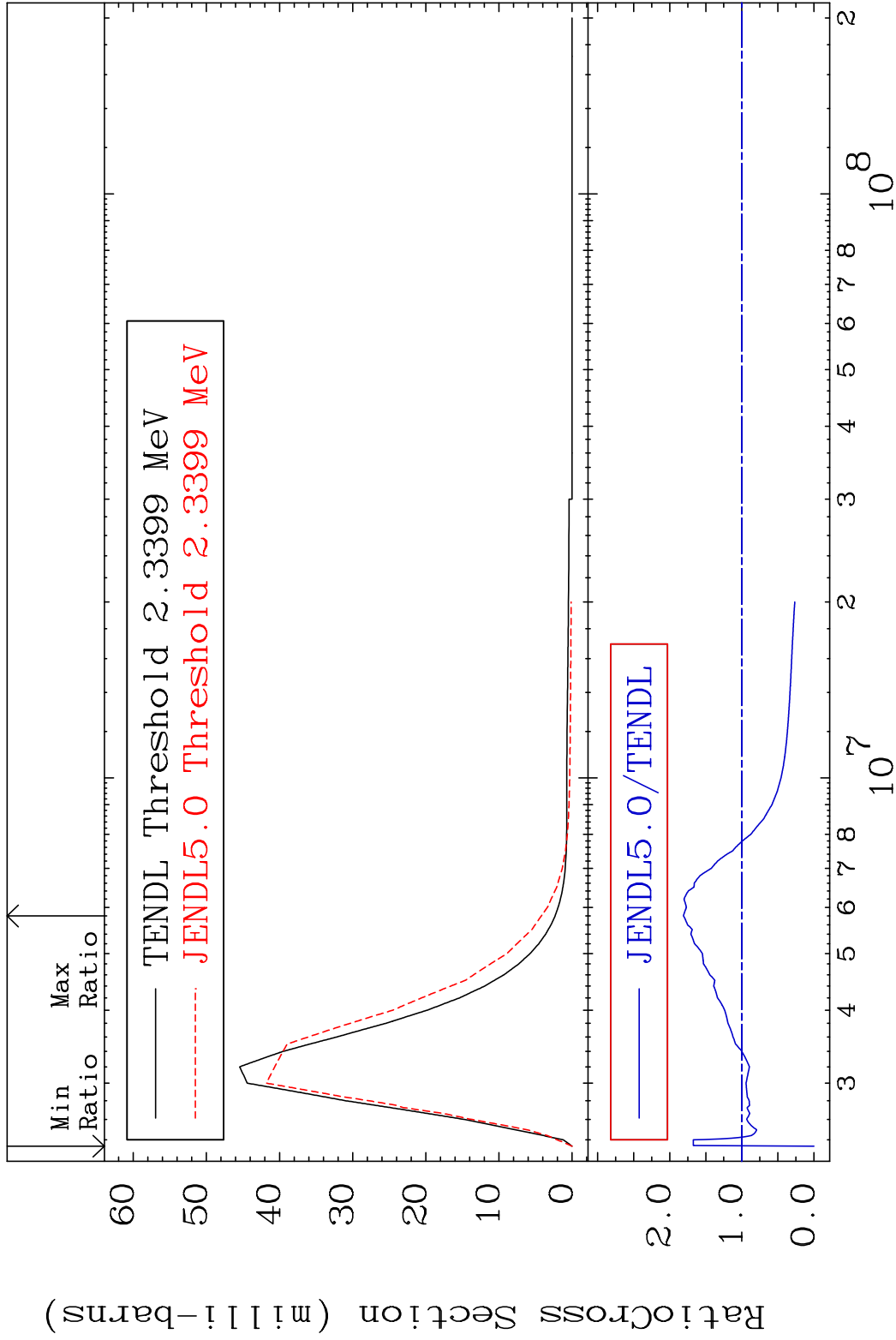


MAT 6225 MT= 55 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 138.4 %



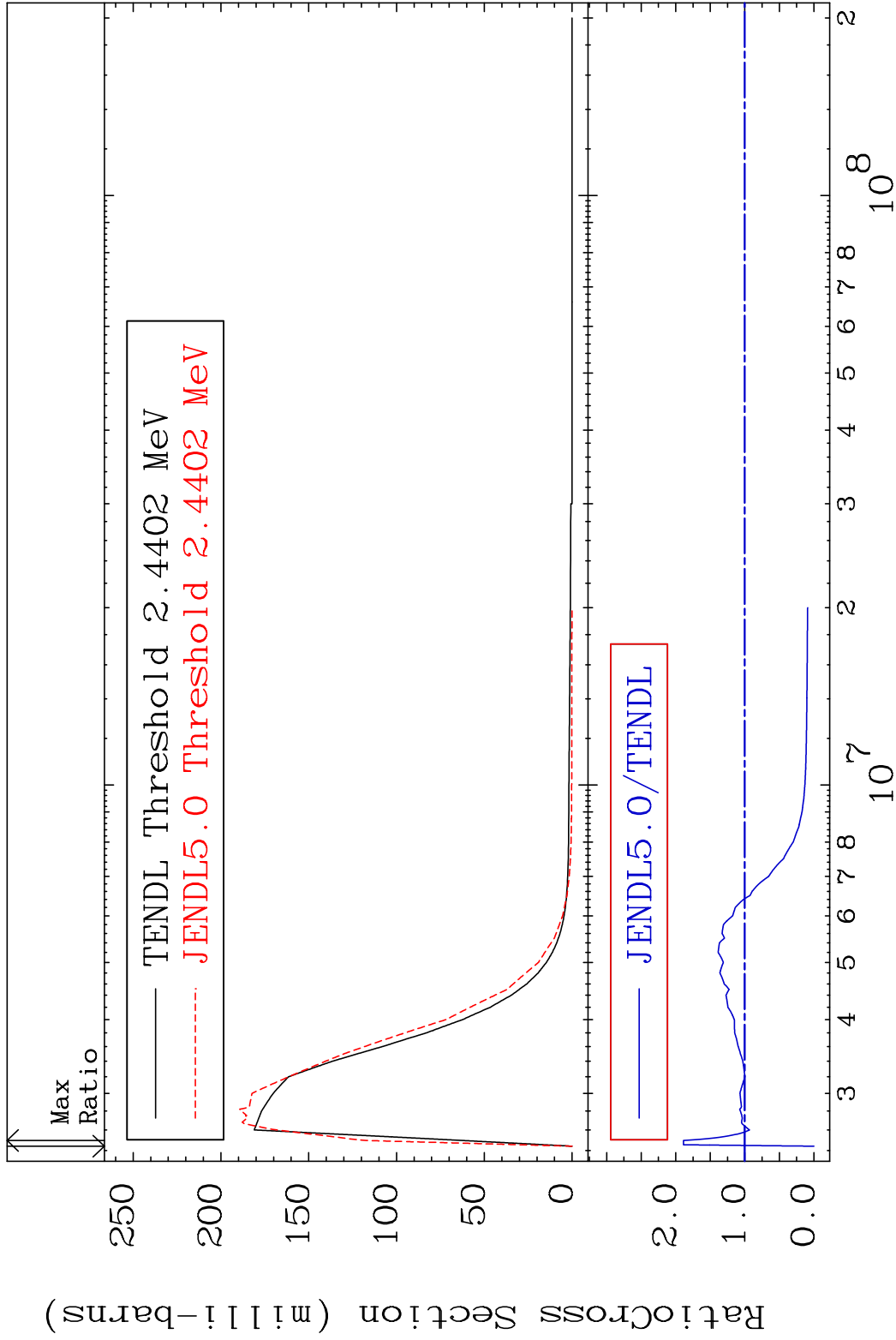
14 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 56 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 80.96 %



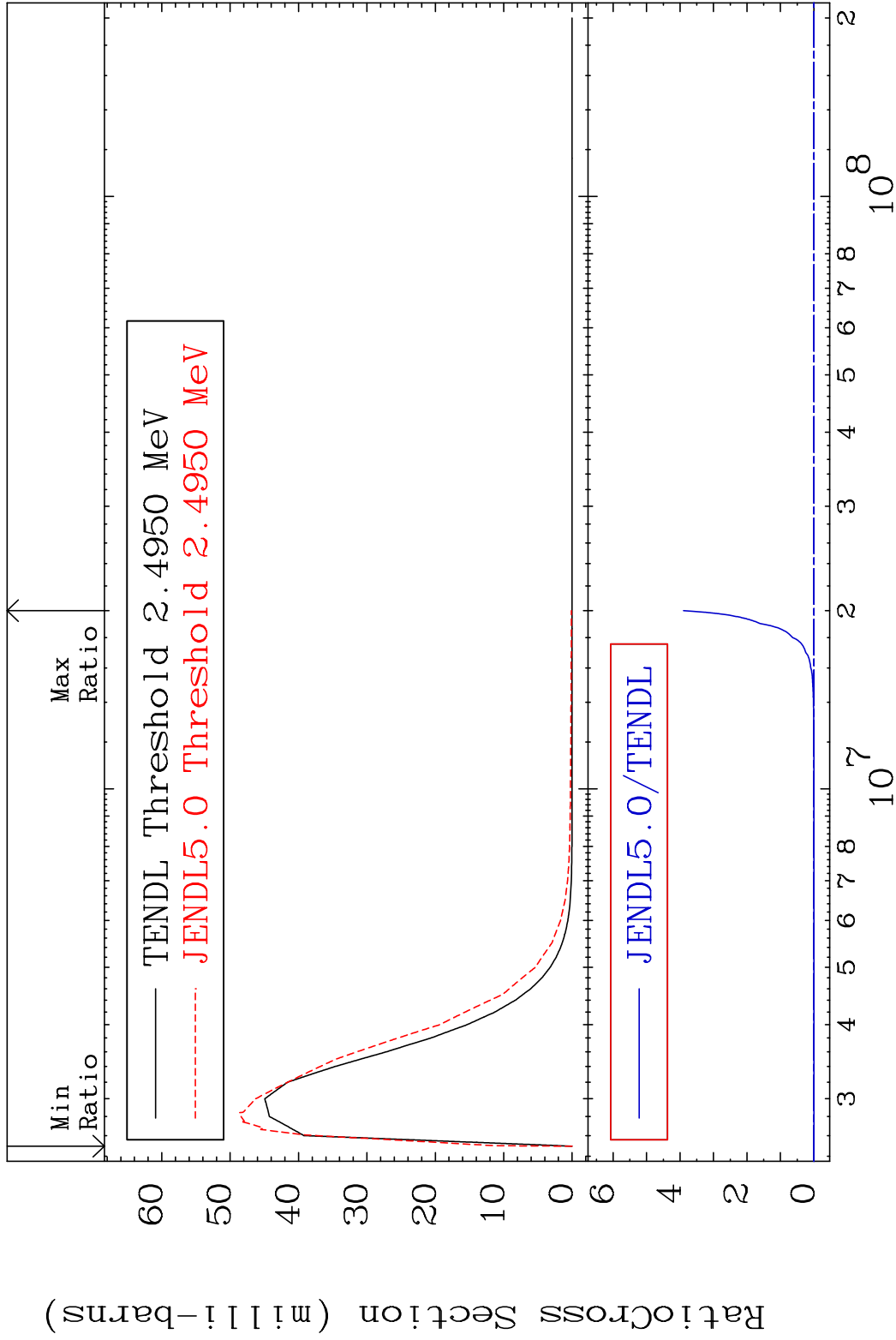
15 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 57 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 88.80 %



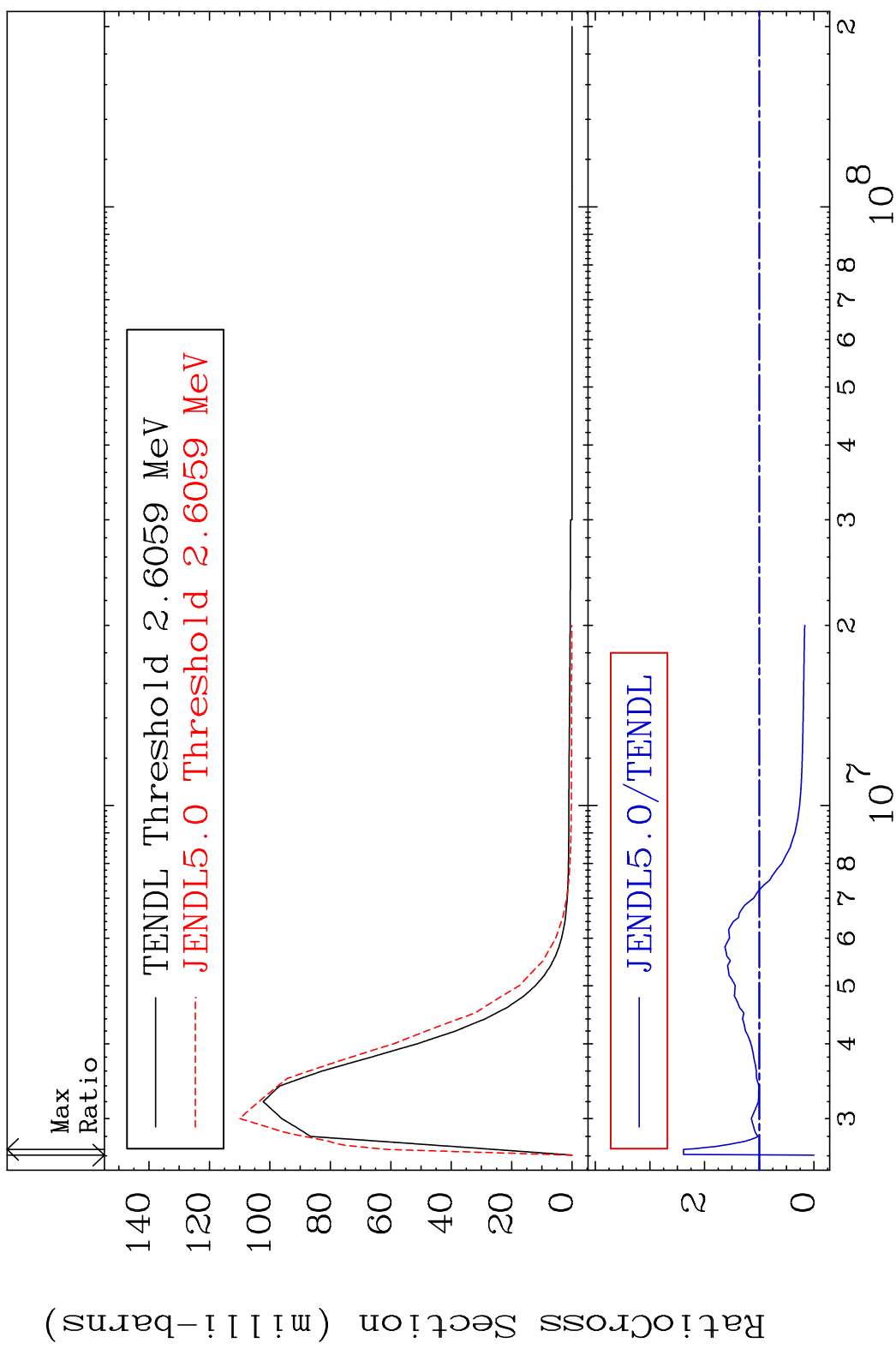
16 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 58 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 9999. %



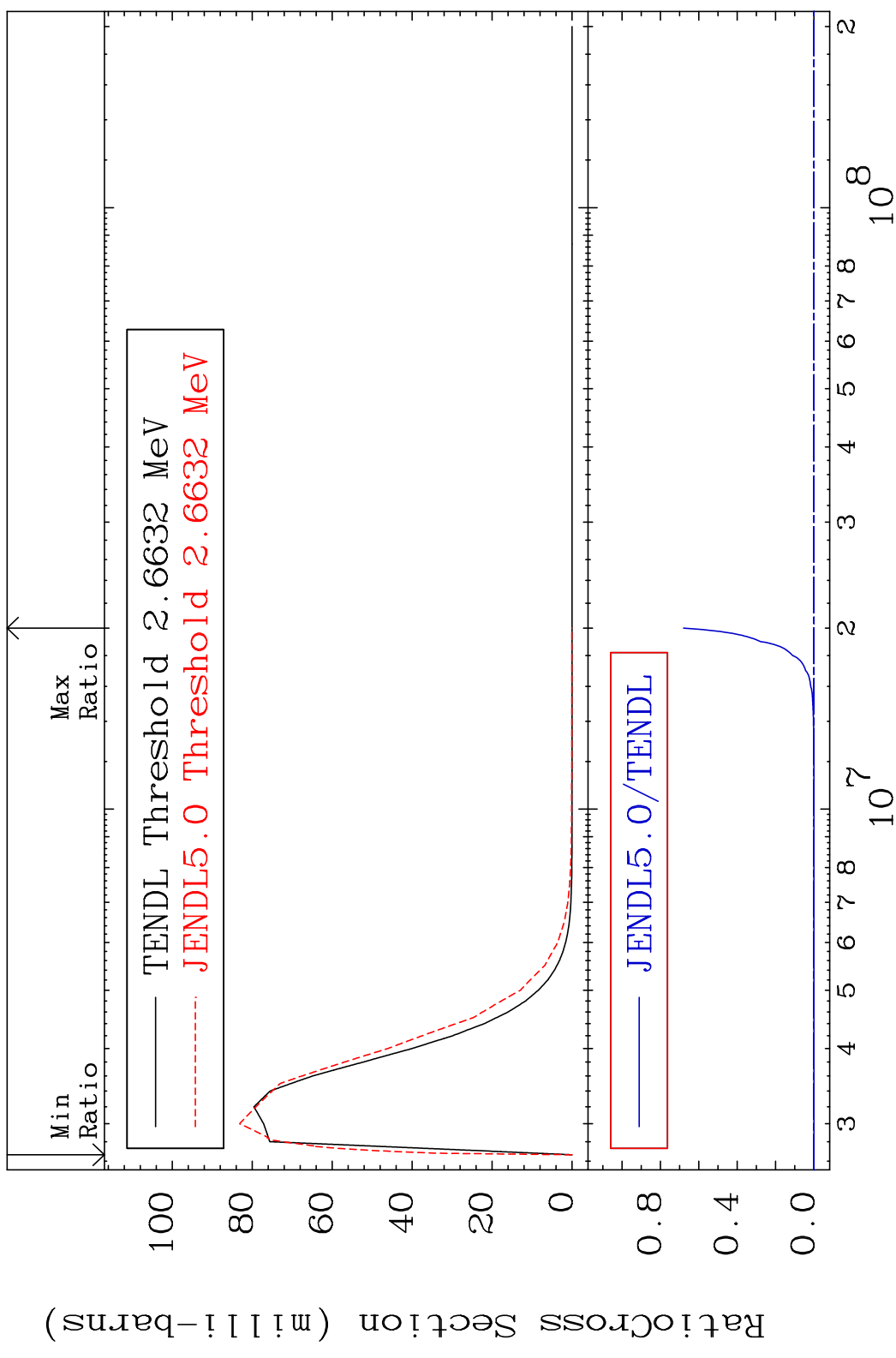
17 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 59 (n, n') Level 62-Sm-144
Cross Section -100.0 To 138.7 %



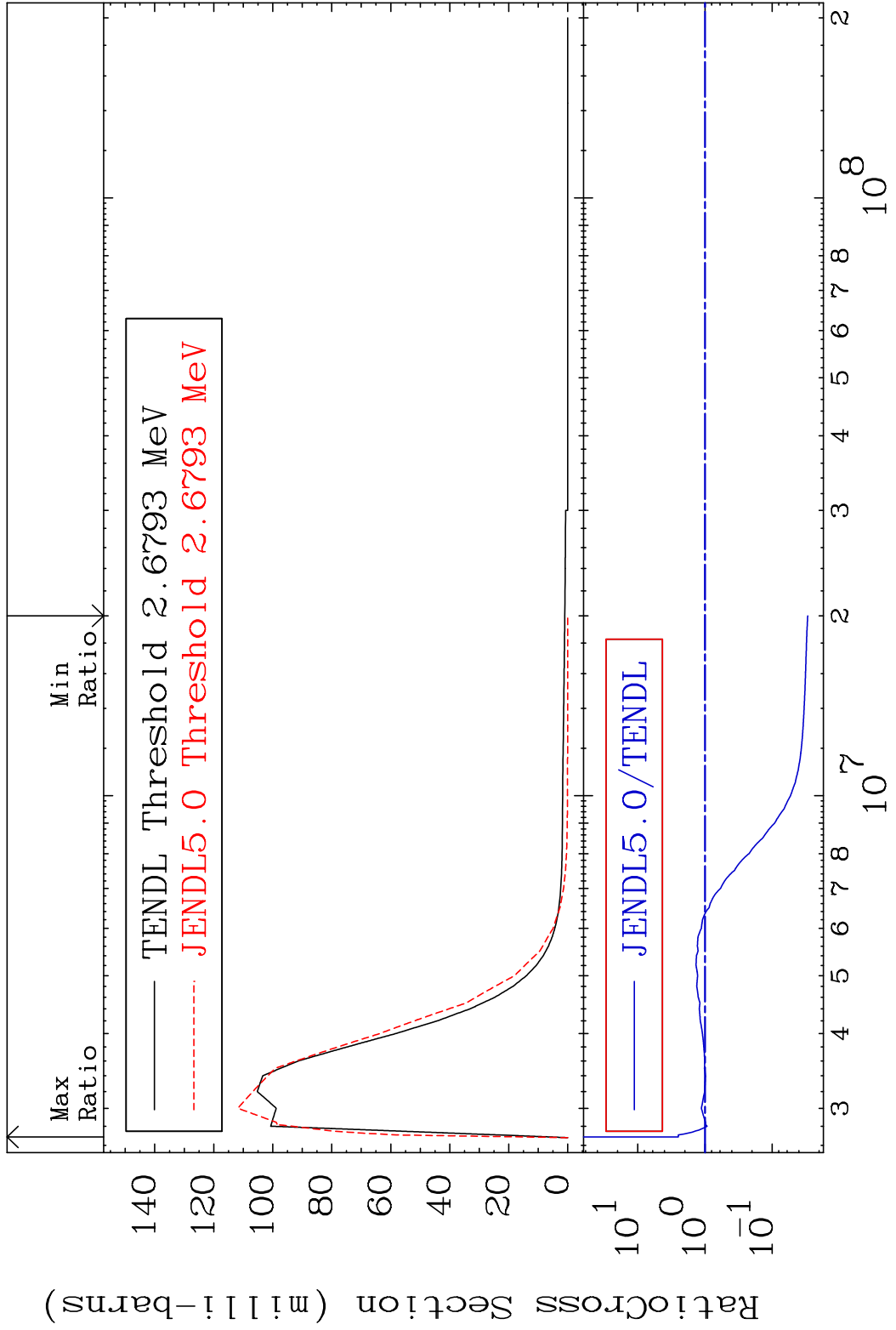
18 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 60 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 9999. %



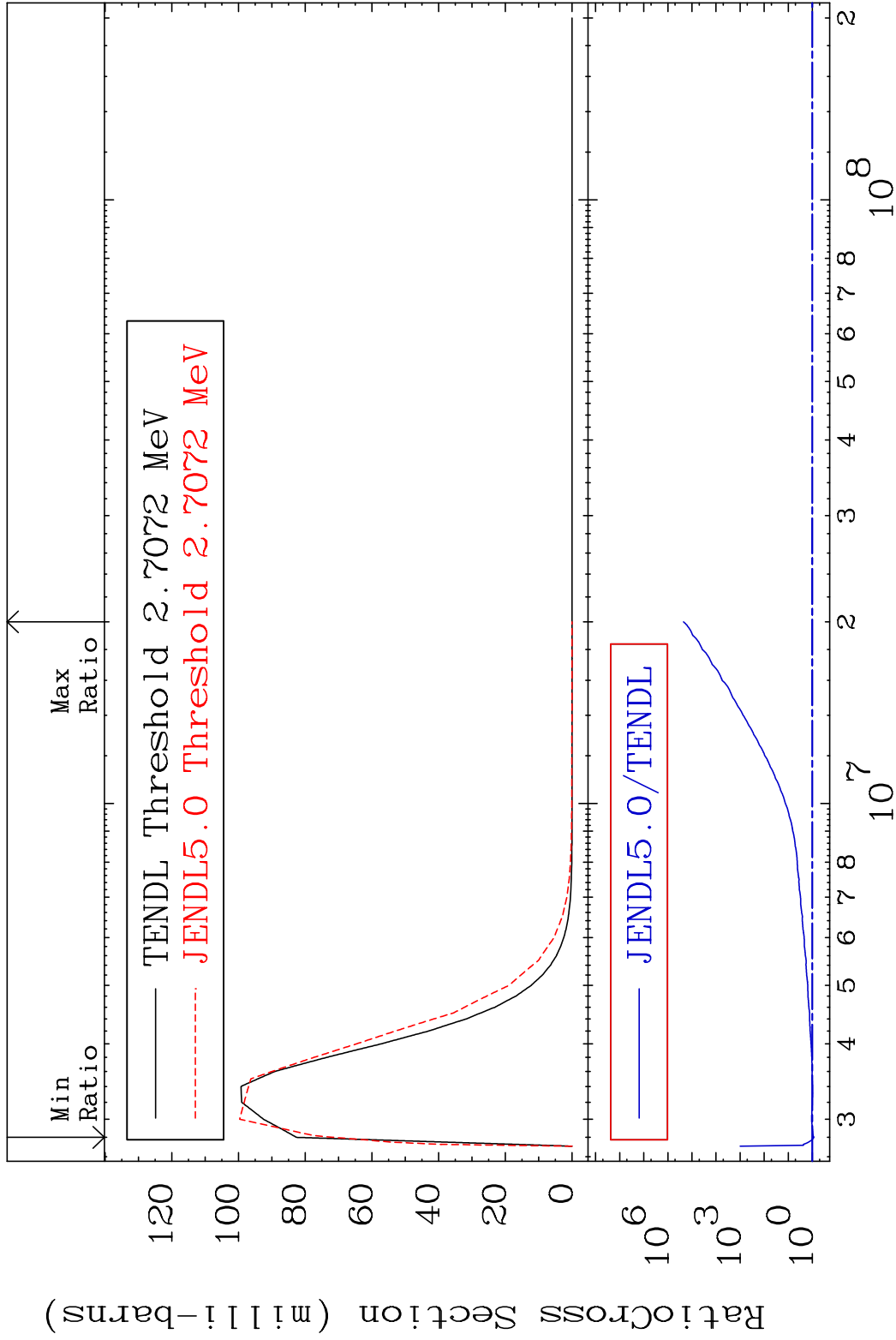
19 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 61 (n, n') Level 62-Sm-144
 Cross Section -97.04 To 150.0 %



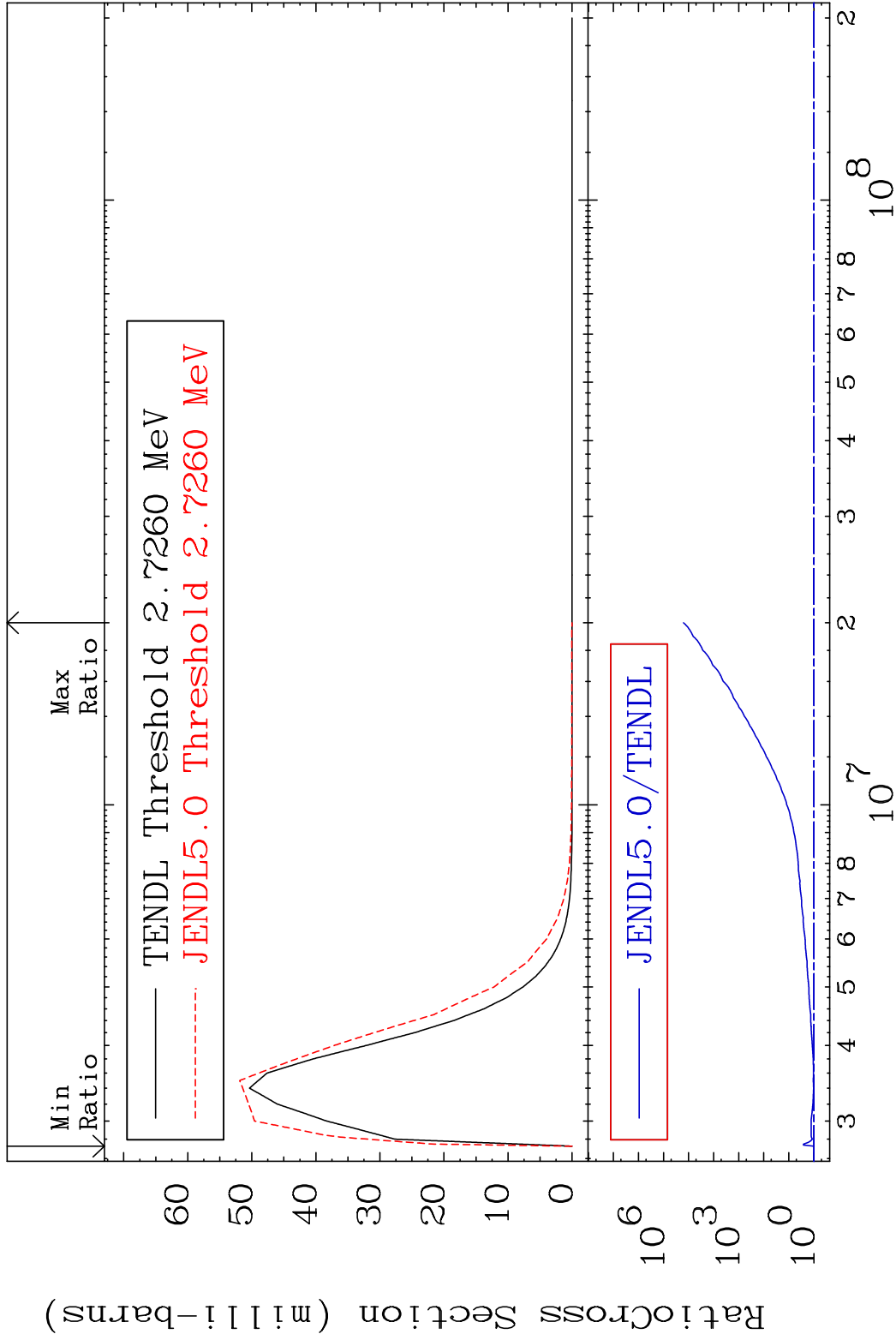
20 62-Sm-144

MAT 6225 MT= 62 (n, n') Level 62-Sm-144
 Cross Section -13.89 To 9999. %

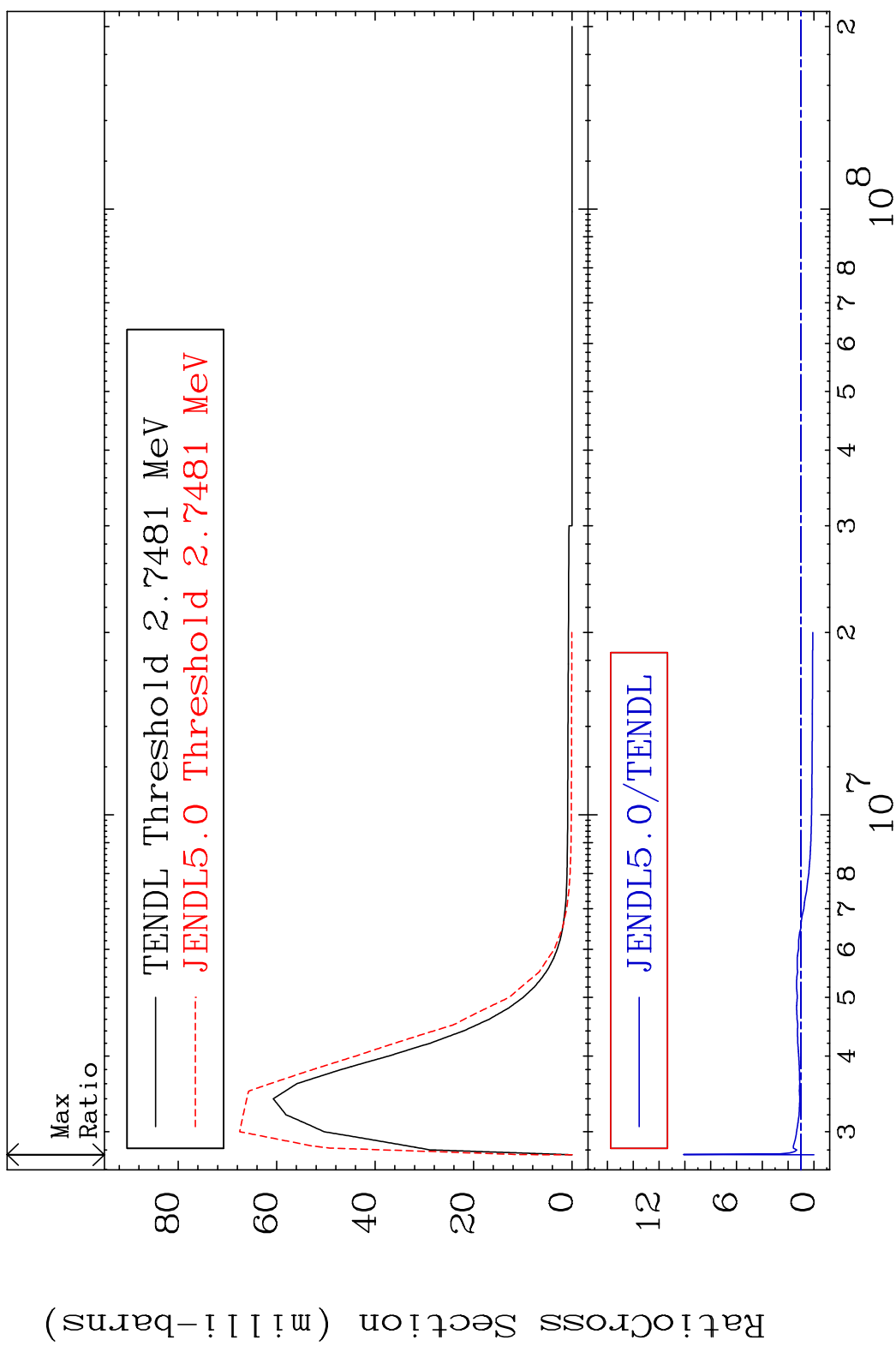


21 Incident Energy (eV) 62-Sm-144

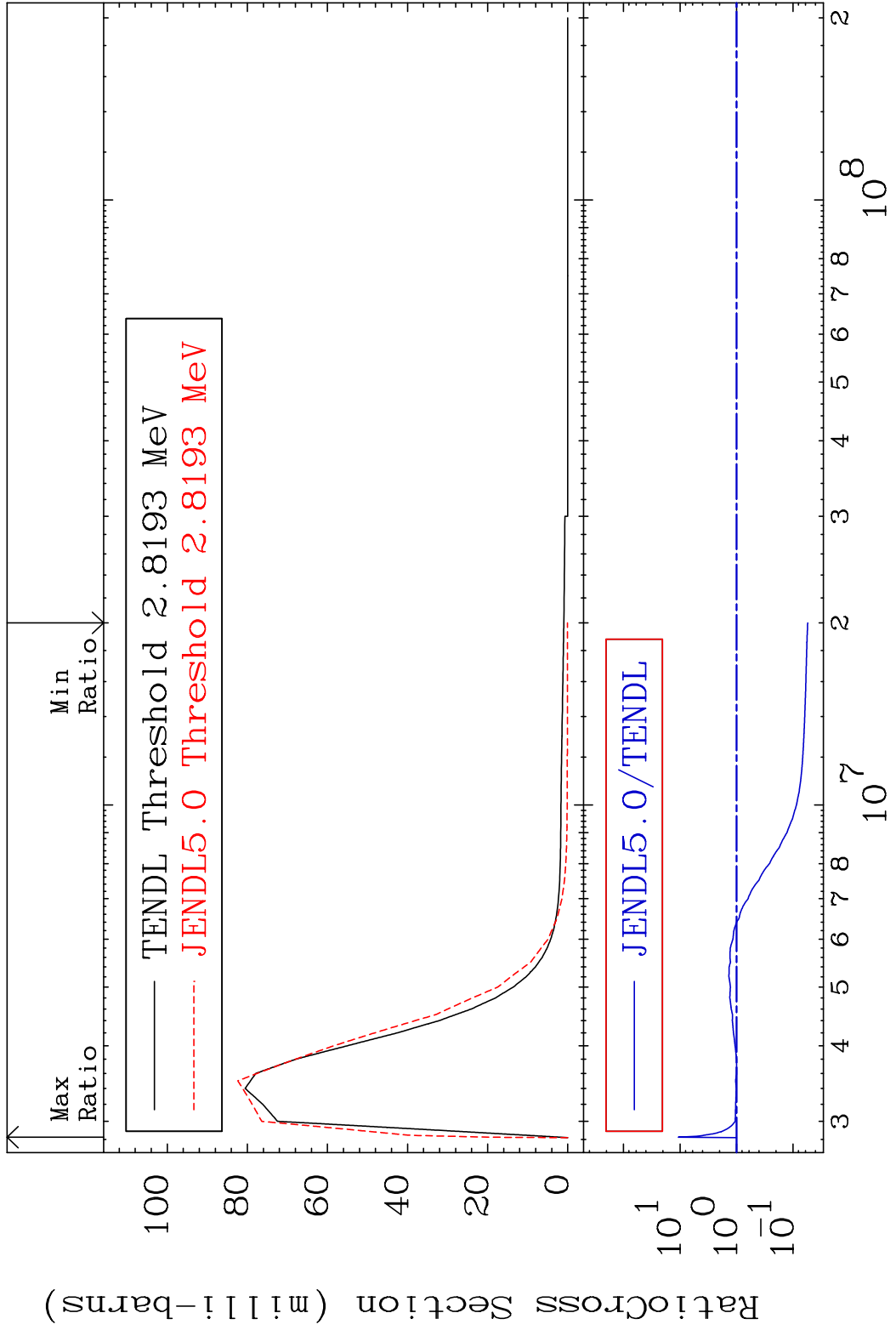
MAT 6225 MT= 63 (n, n') Level 62-Sm-144
 Cross Section 0.000 To 9999. %



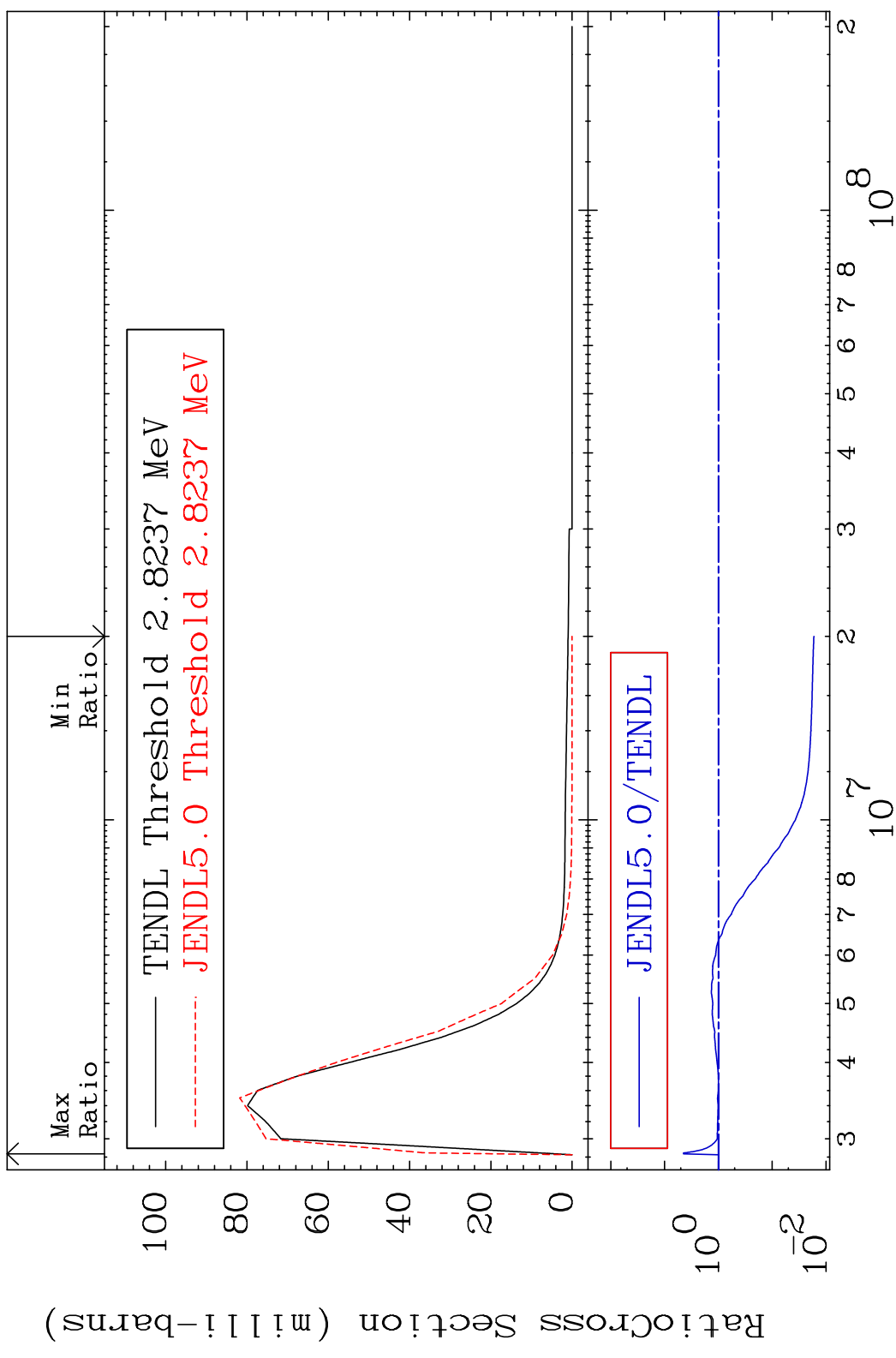
MAT 6225 MT= 64 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 911.1 %



MAT 6225 MT= 65 (n, n') Level 62-Sm-144
 Cross Section -94.50 To 973.4 %

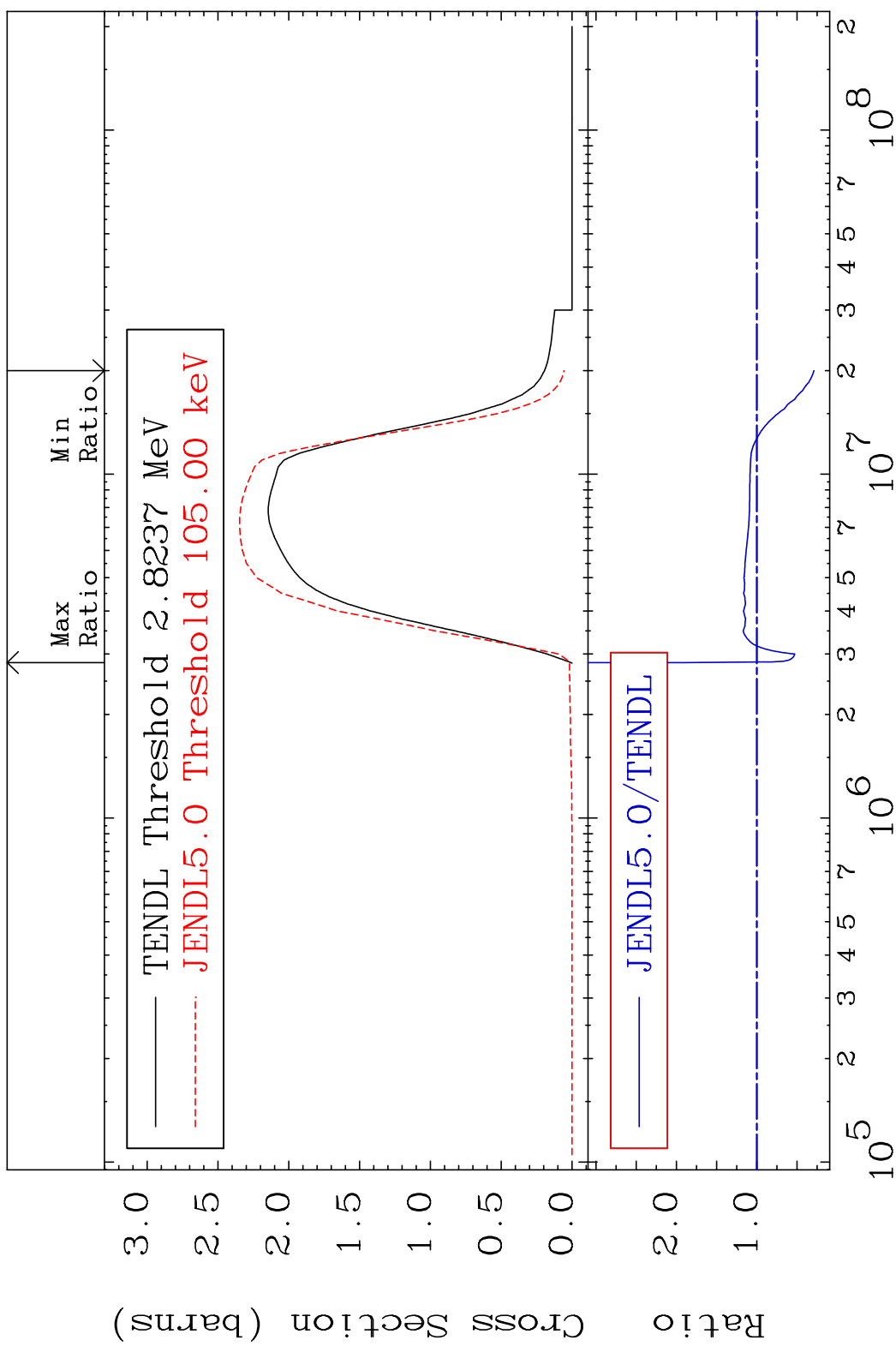


MAT 6225 MT= 66 (n, n') Level 62-Sm-144
 Cross Section -98.32 To 346.9 %

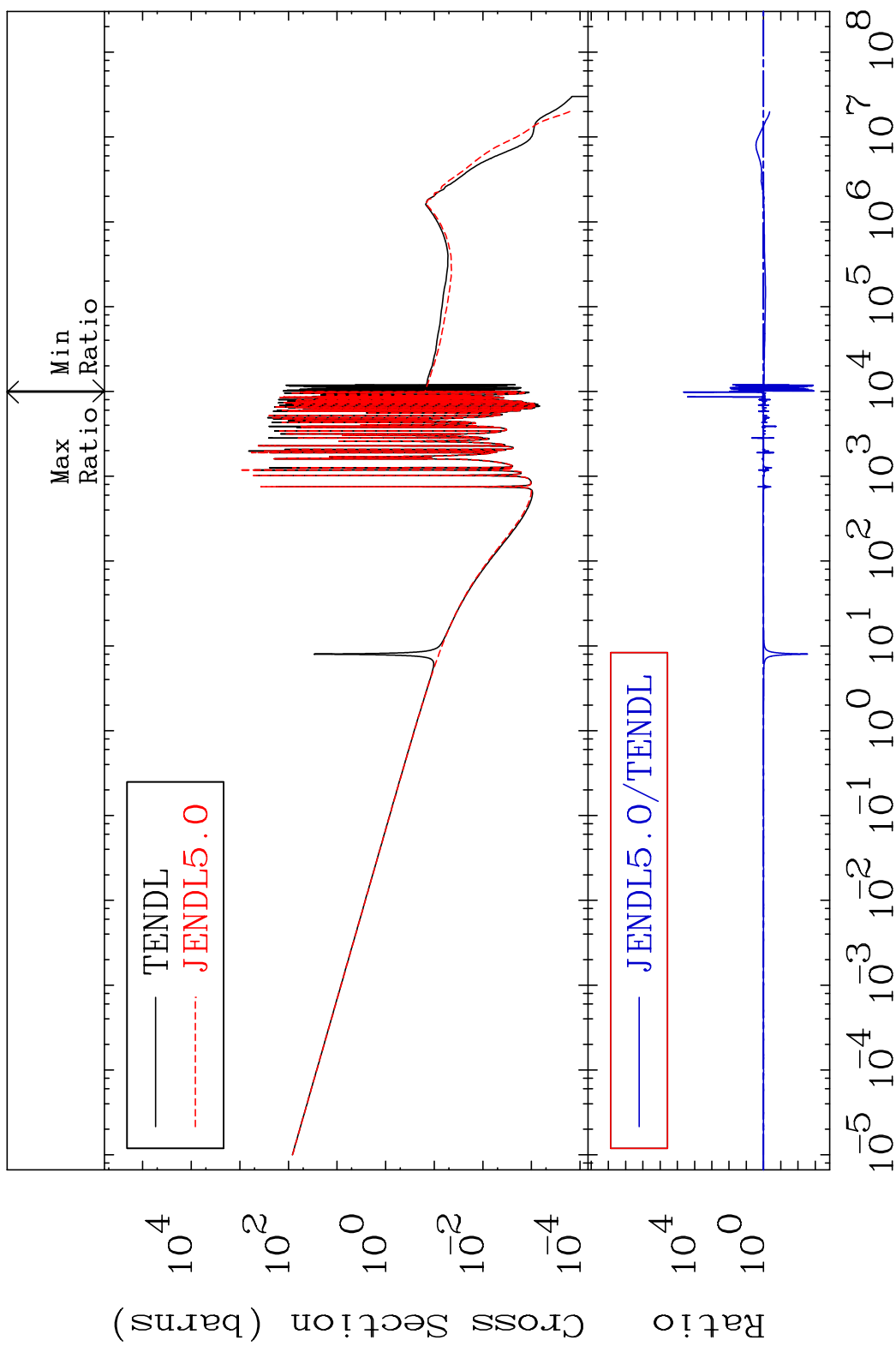


25 Incident Energy (eV) 62-Sm-144

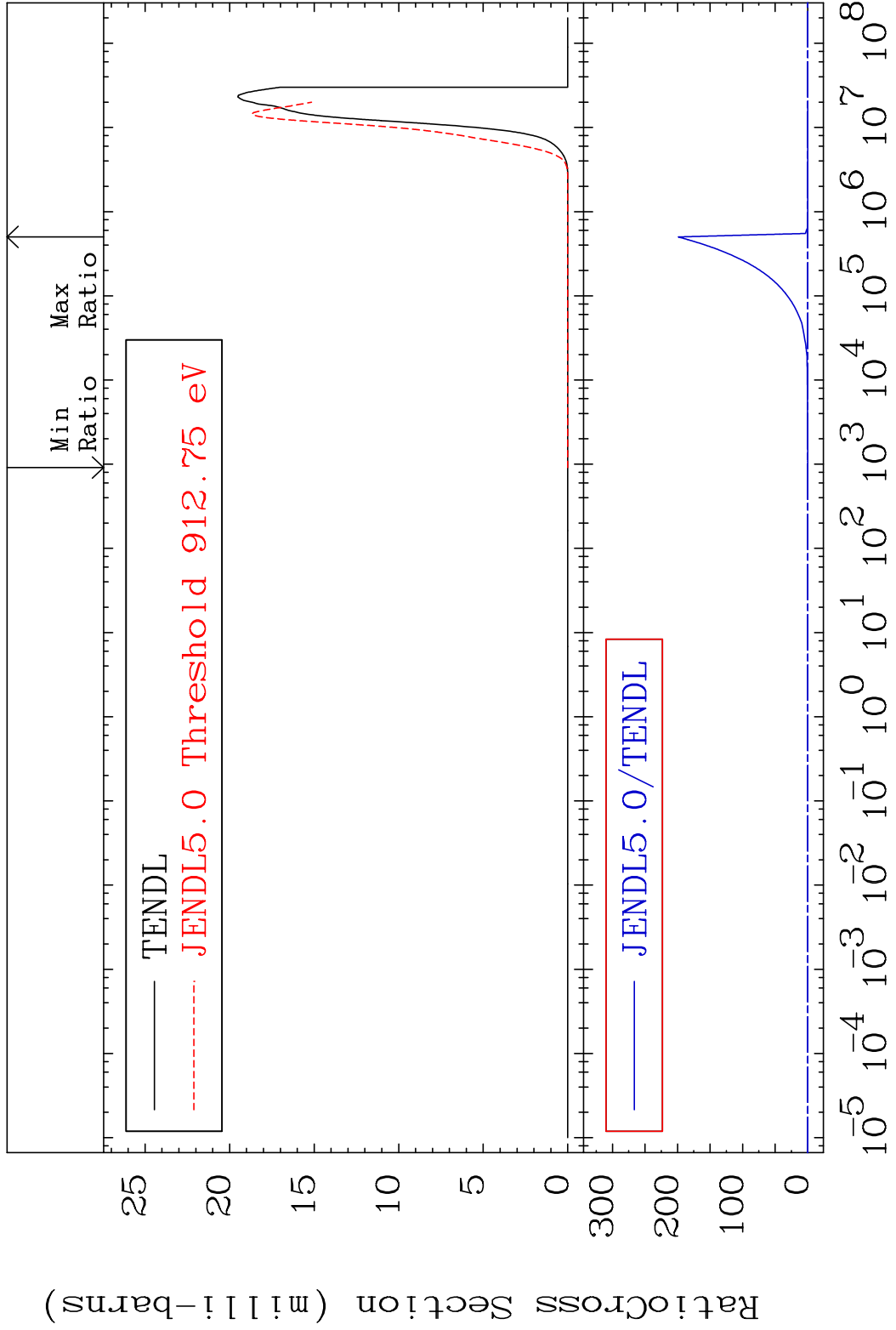
MAT 6225 (n, n') Continuum 62-Sm-144
 Cross Section -71.02 To 91.25 %



MAT 6225 (n, γ) 62-Sm-144
 Cross Section -99.88 To 9999. %

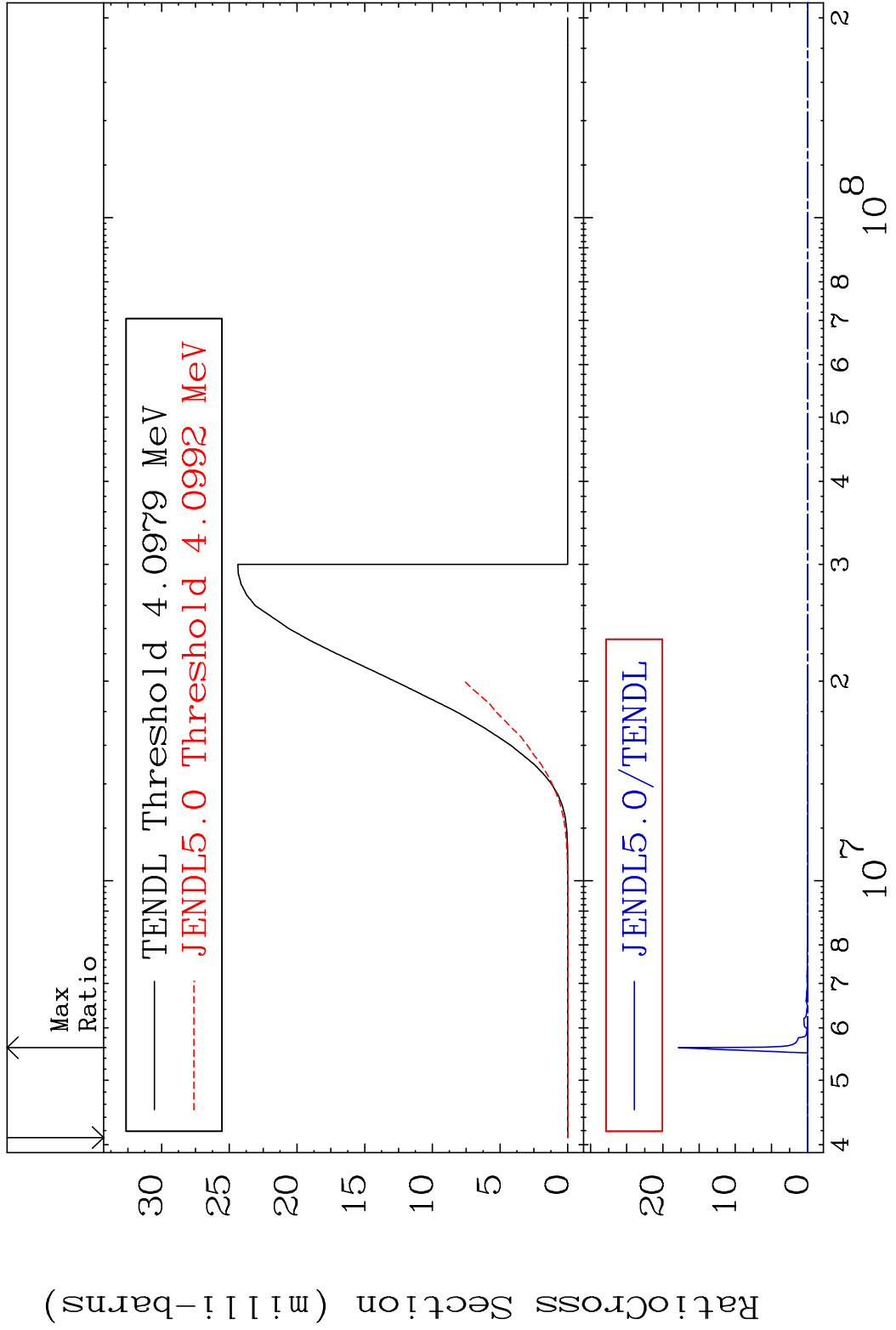


MAT 6225 (n, p) 62-Sm-144
 Cross Section -100.0 To 9999. %

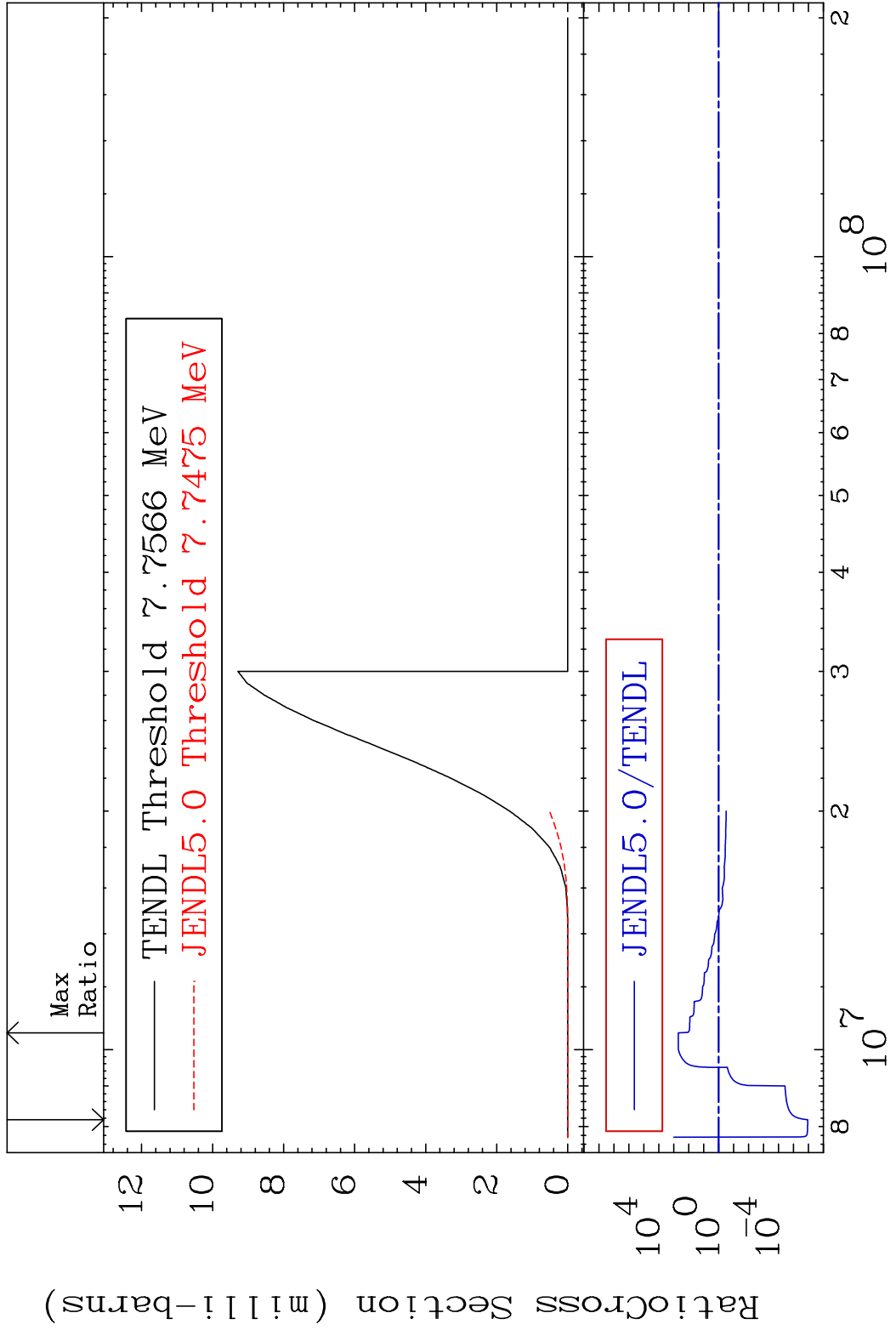


28 Incident Energy (eV) 62-Sm-144

MAT 6225 (n, d) 62-Sm-144
 Cross Section -100.0 To 9999. %

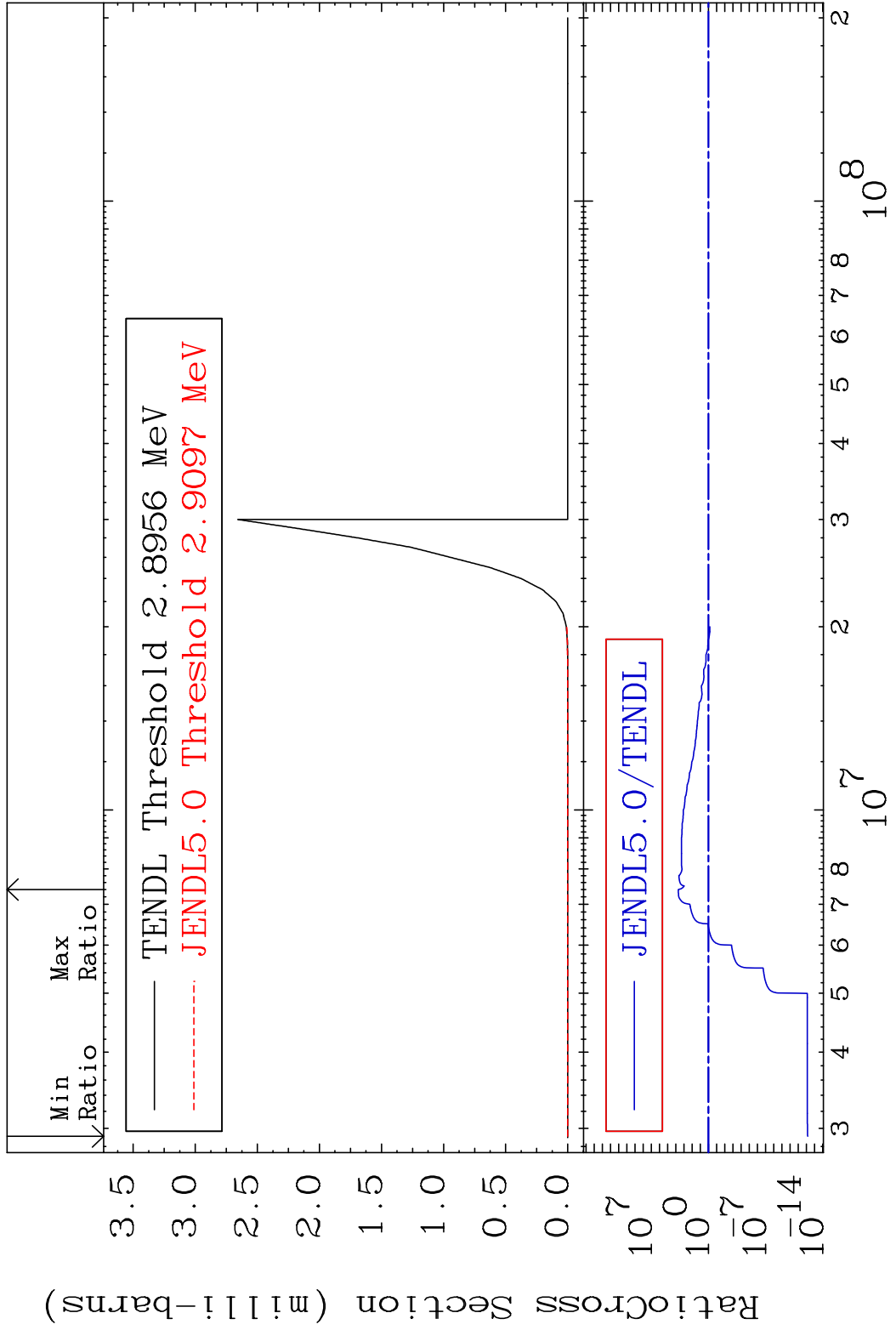


MAT 6225 (n, t) 62-Sm-144
 Cross Section -100.0 To 9999. %

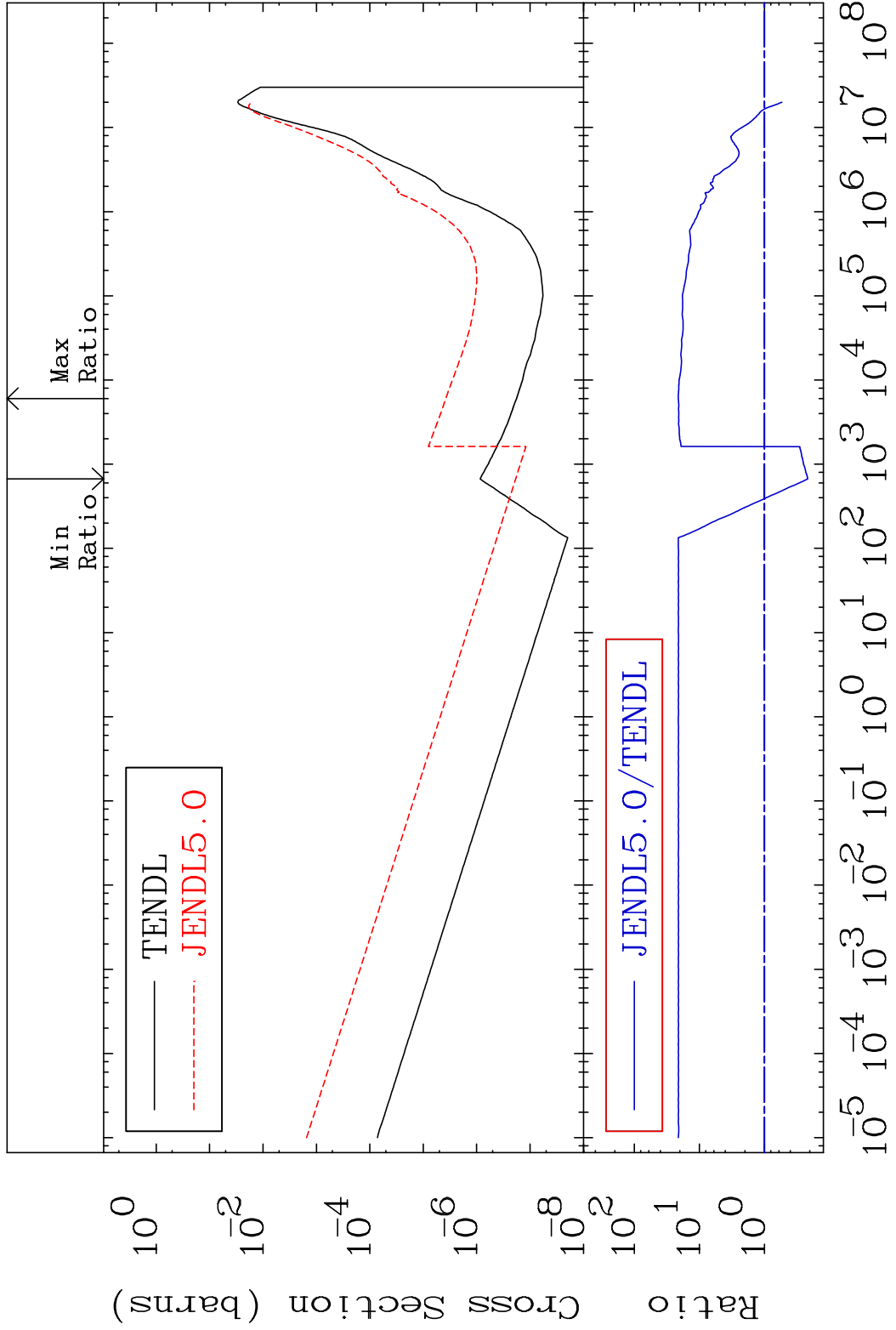


30 Incident Energy (eV) 62-Sm-144

MAT 6225 (n, He-3) 62-Sm-144
 Cross Section -100.0 To 9999. %

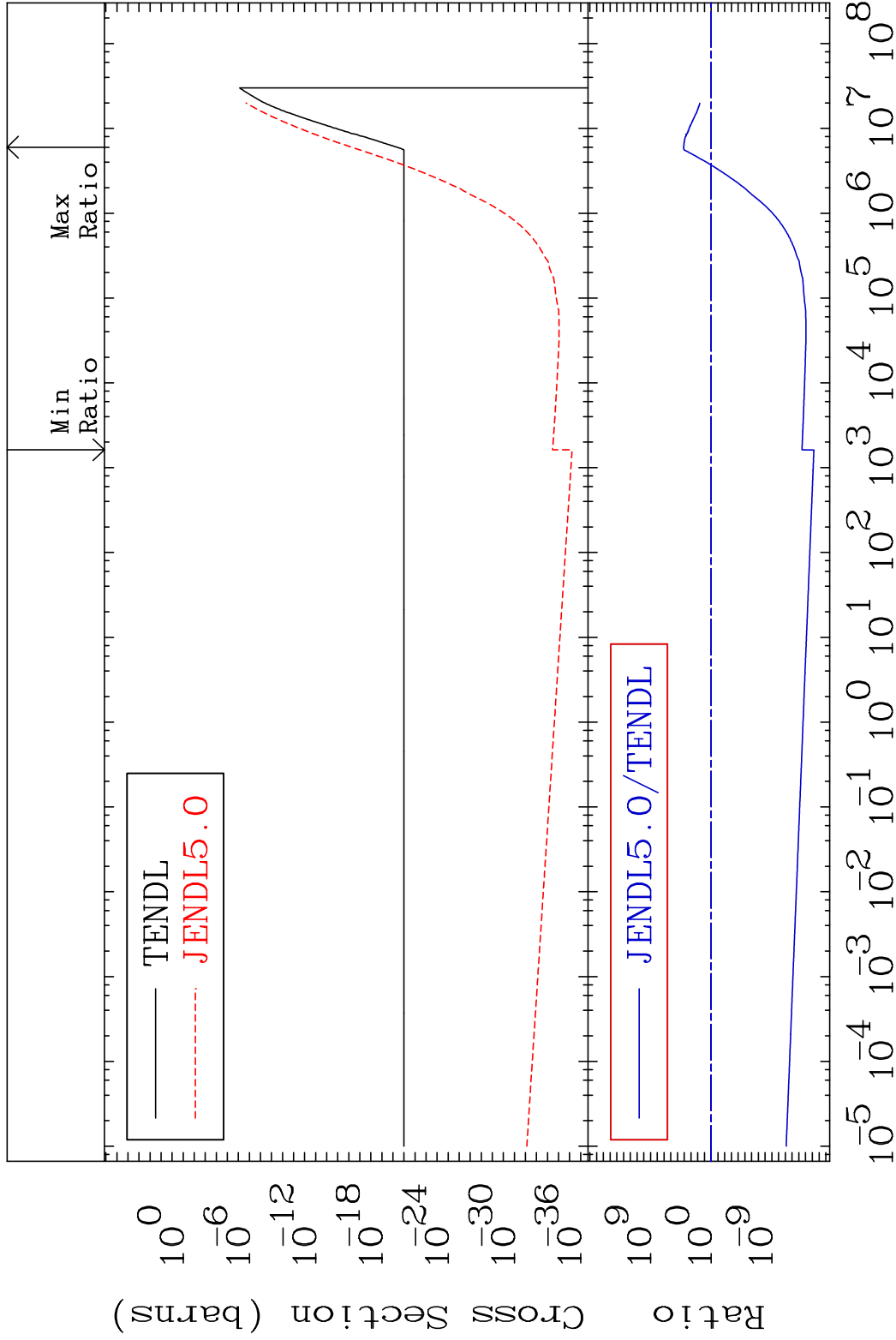


MAT 6225 (n, α) 62-Sm-144
 Cross Section -78.39 To 2016. %

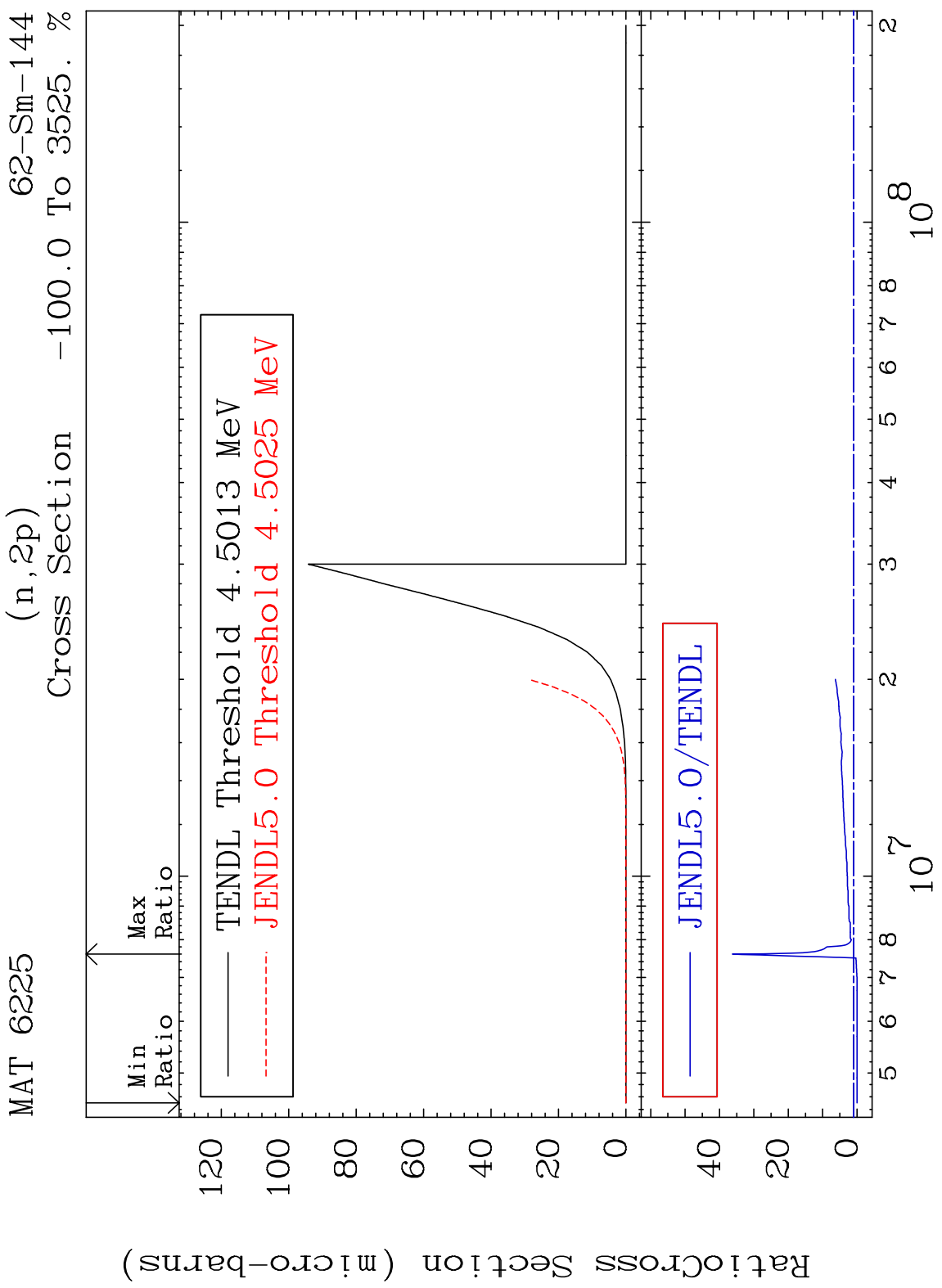


32 Incident Energy (eV) 62-Sm-144

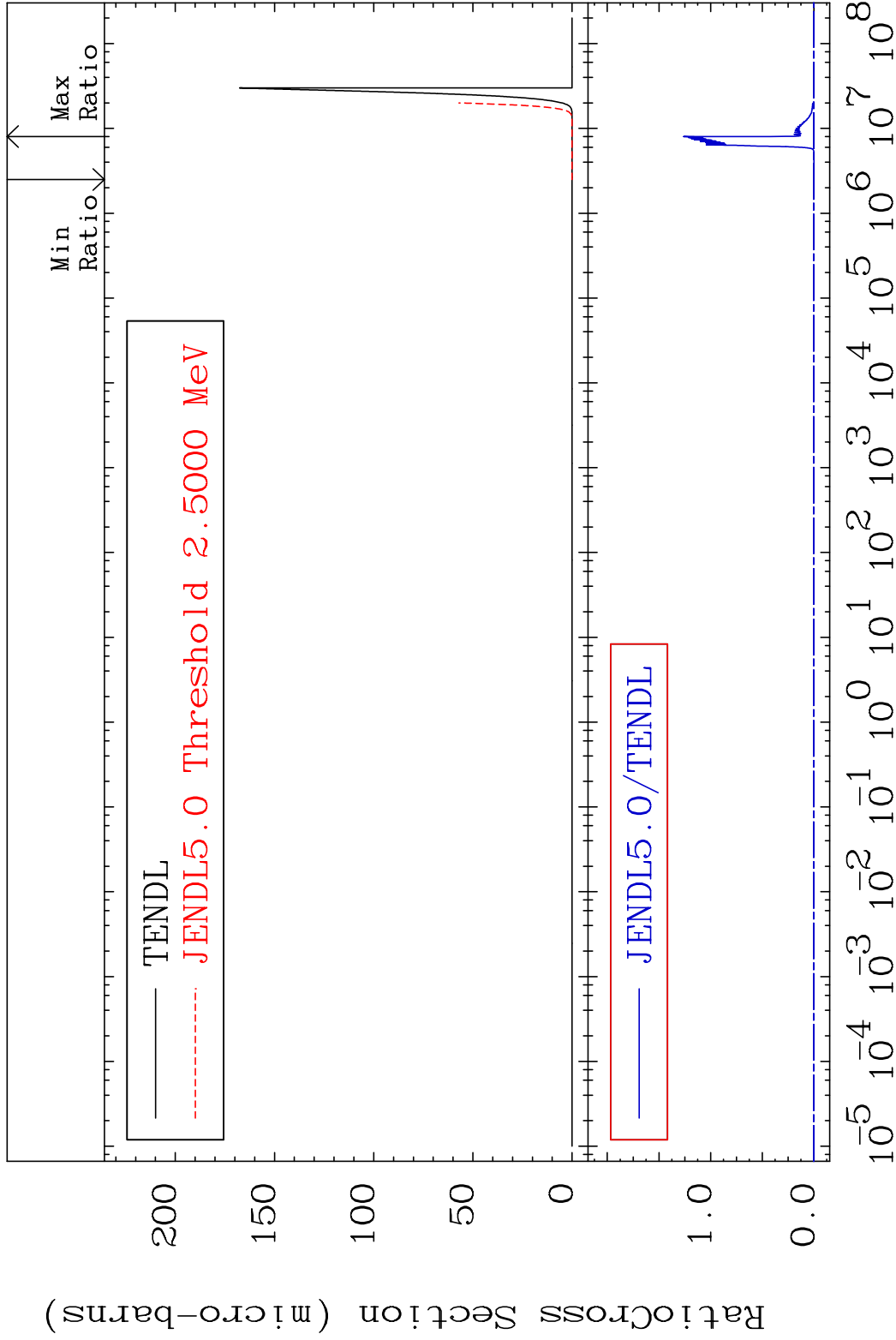
MAT 6225 (n,2α) 62-Sm-144
 Cross Section -100.0 To 9999. %



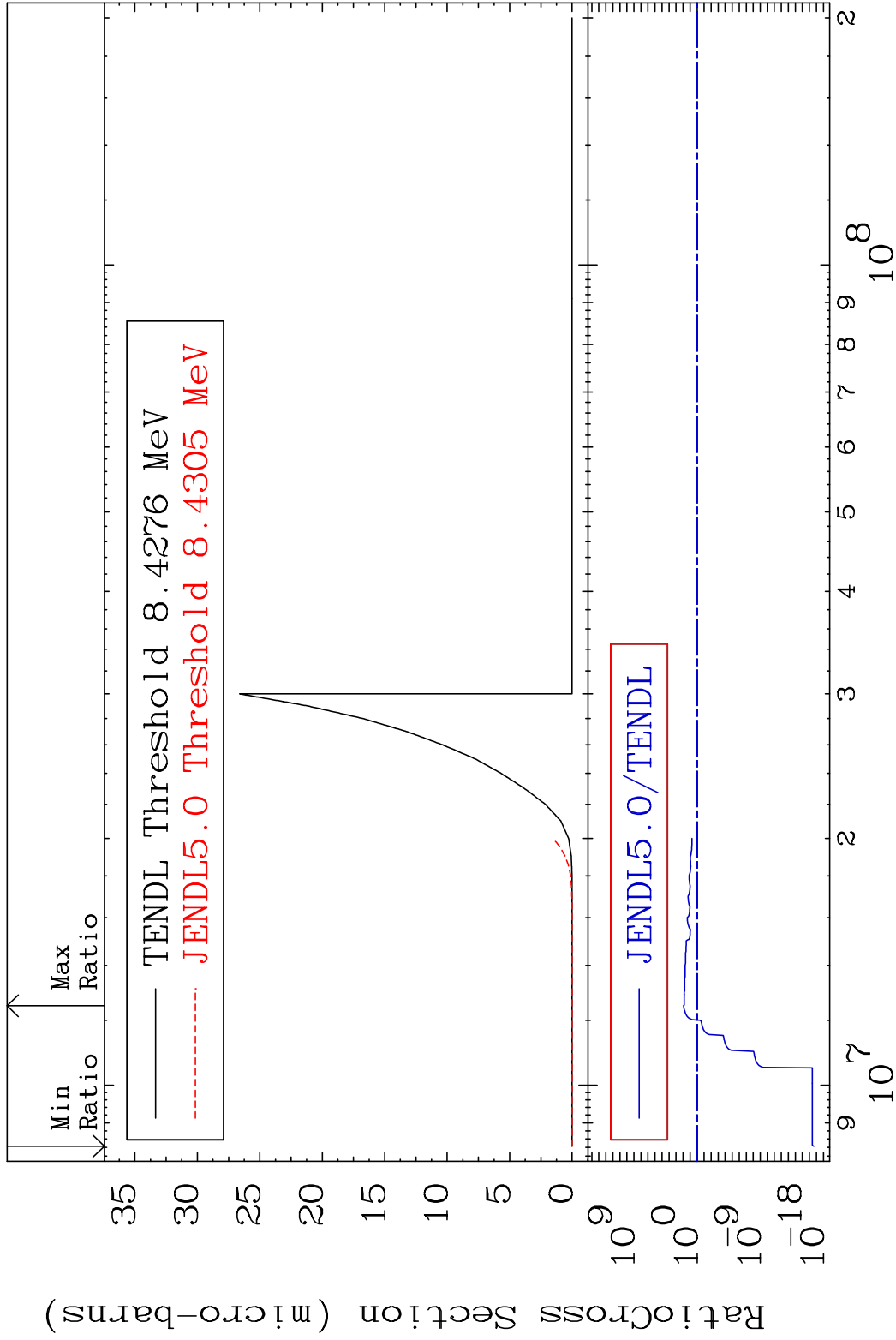
33 Incident Energy (eV) 62-Sm-144



MAT 6225 (n,p) α 62-Sm-144
Cross Section -100.0 To 9999. %



MAT 6225 (n,p) d 62-Sm-144
 Cross Section -100.0 To 8662. %

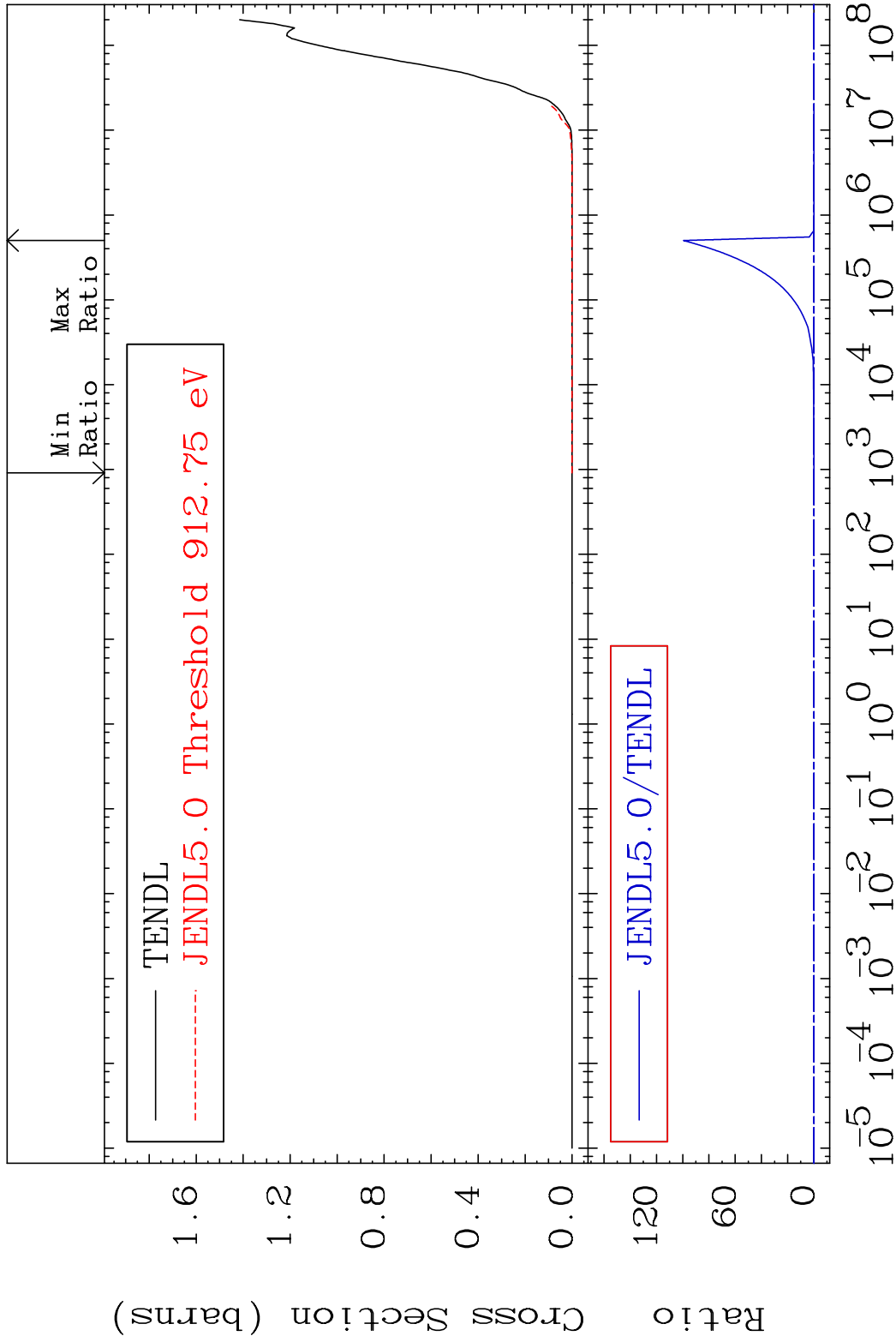


MAT 6225

Hydrogen Production

62-Sm-144

Cross Section -100.0 To 9999. %

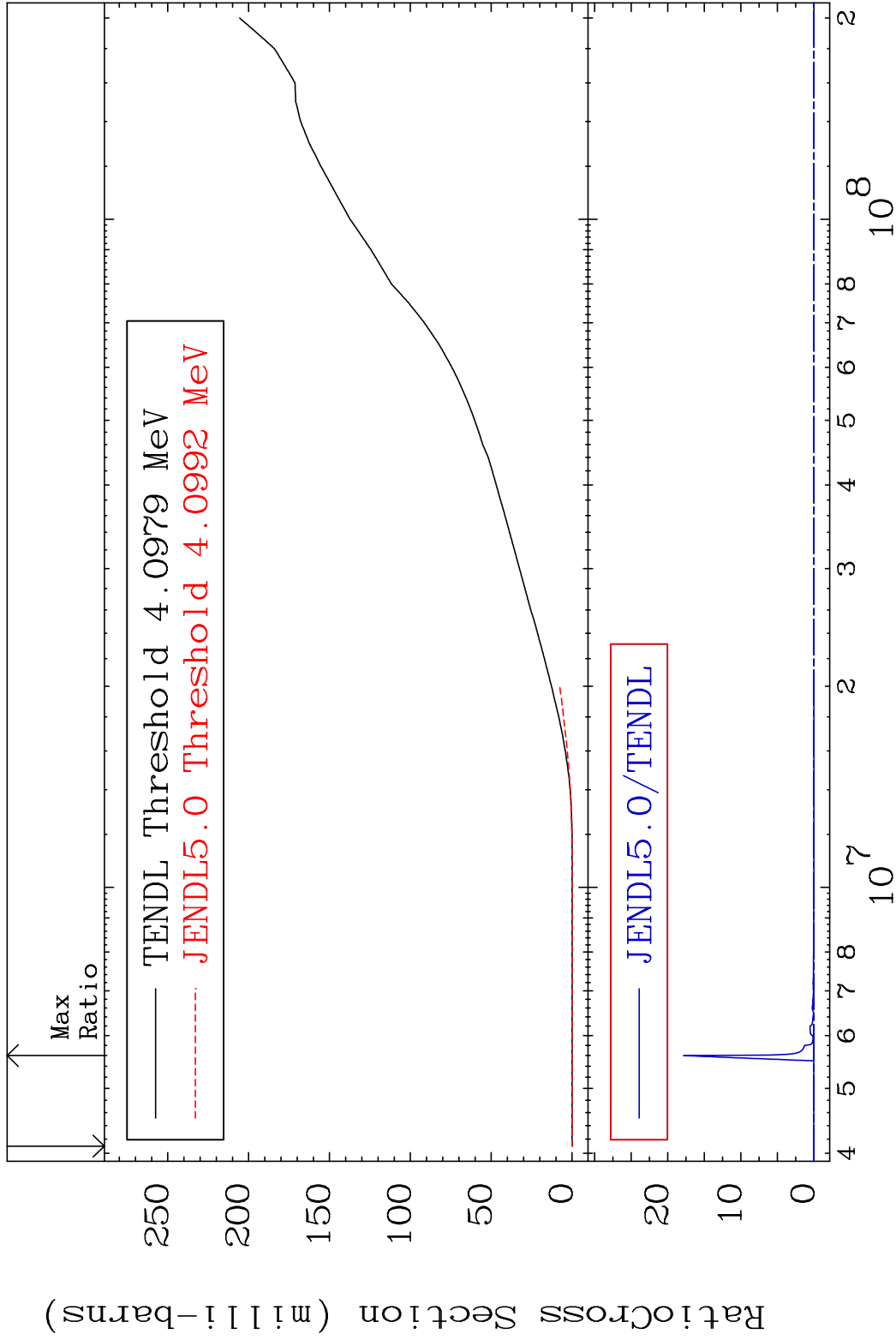


37

Incident Energy (eV)

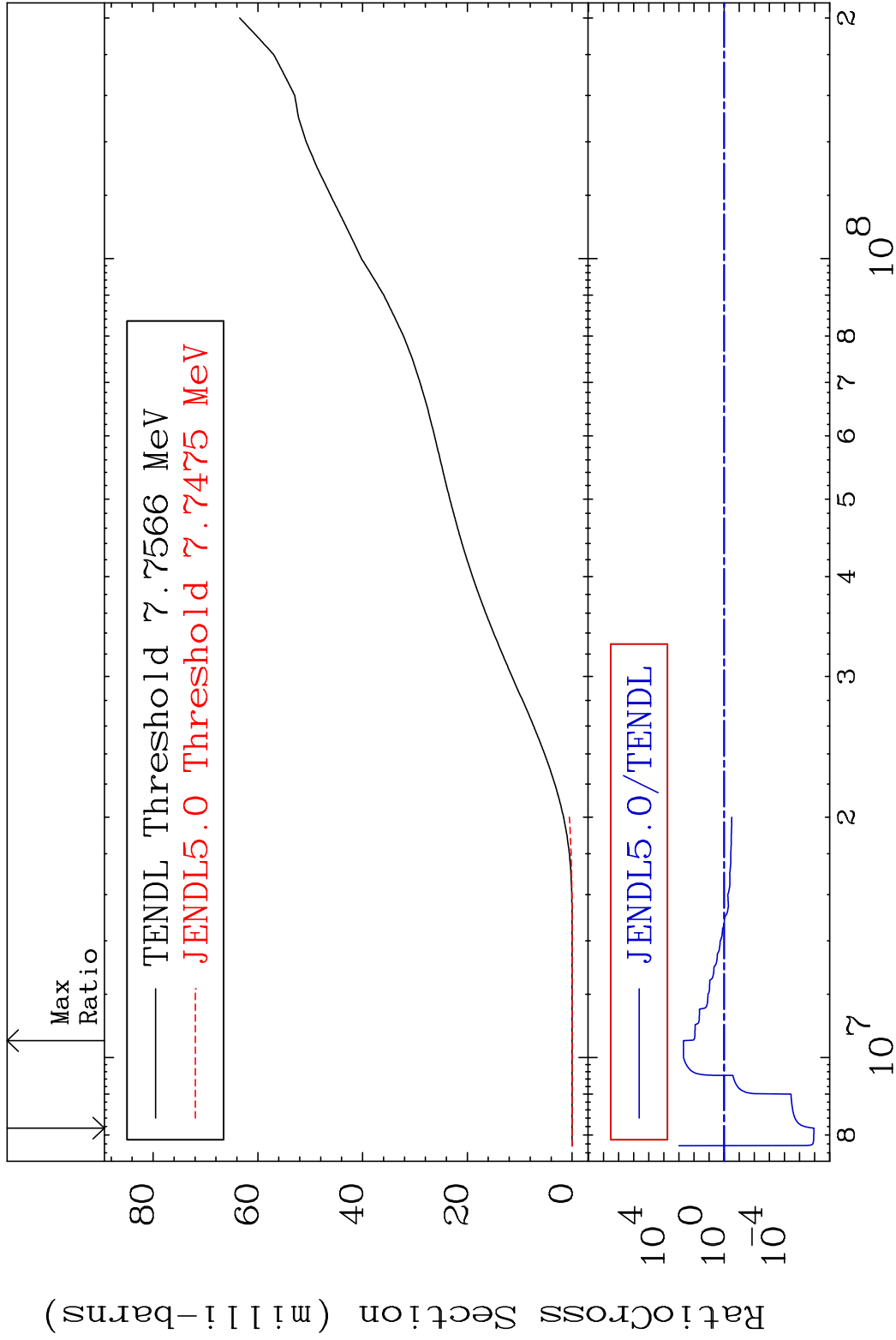
62-Sm-144

MAT 6225 Deuterium Production 62-Sm-144
 Cross Section -100.0 To 9999. %



38 Incident Energy (eV) 62-Sm-144

MAT 6225 Tritium Production 62-Sm-144
 Cross Section -100.0 To 9999. %

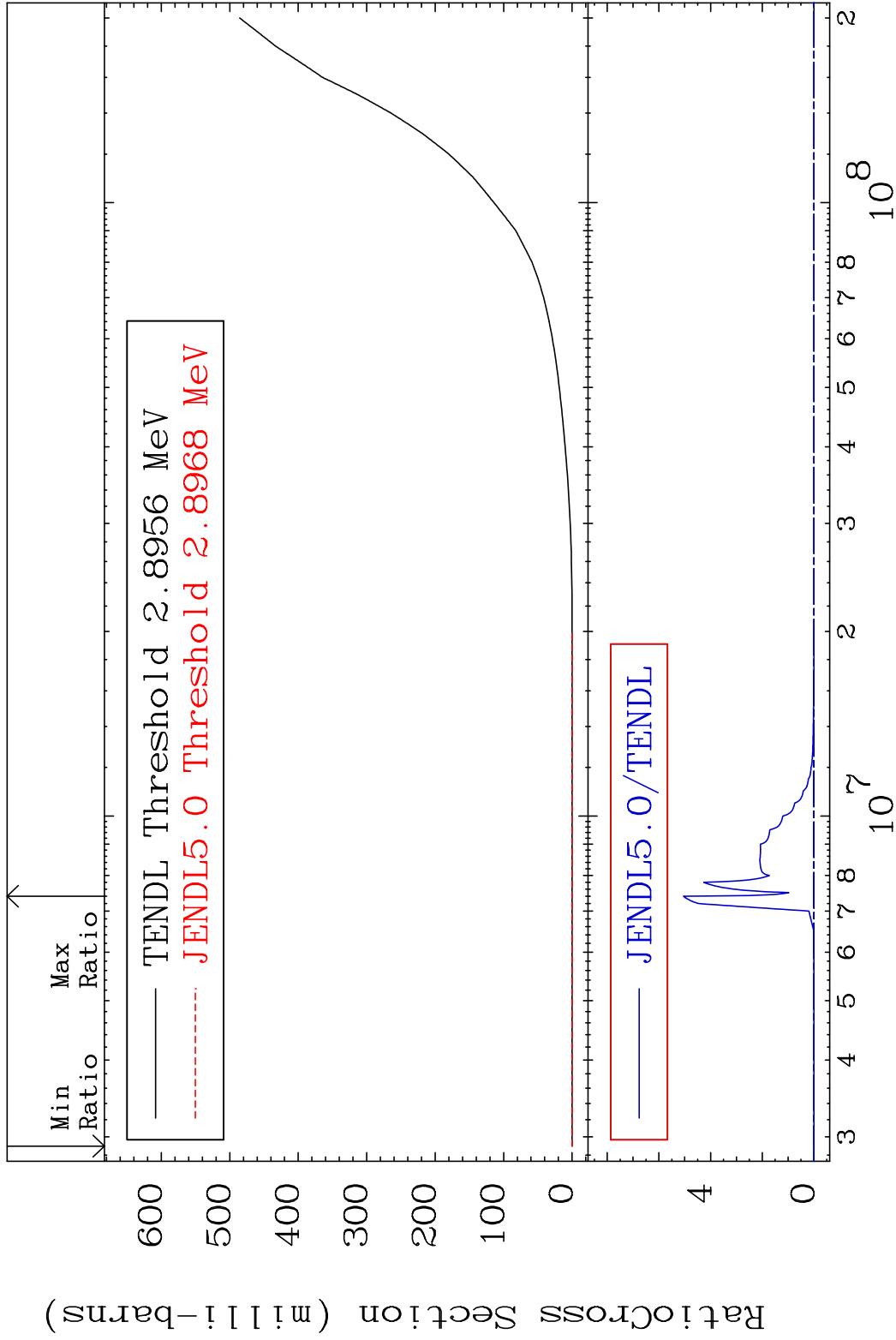


MAT 6225

He-3 Production

62-Sm-144

Cross Section -100.0 To 9999. %

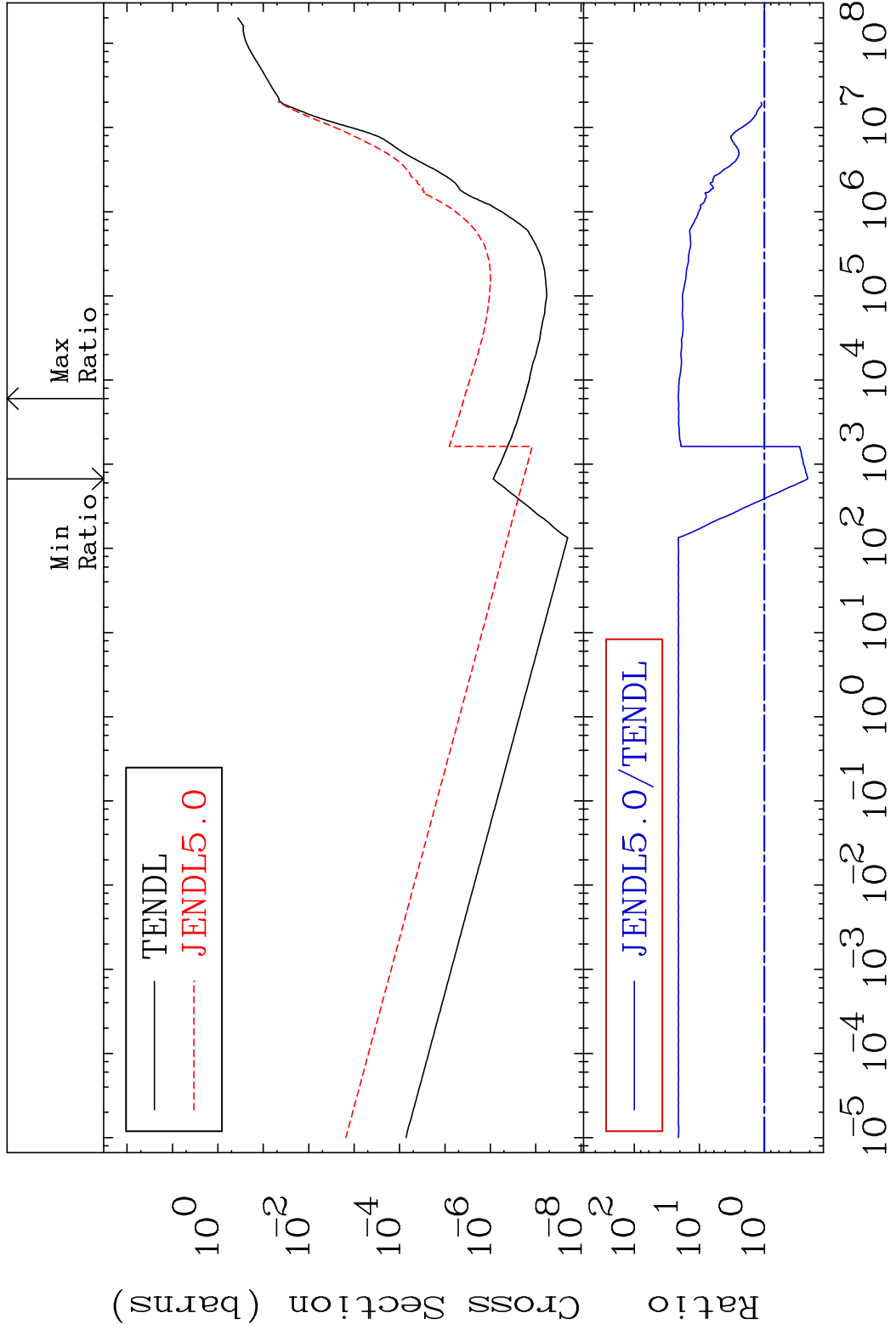


40

Incident Energy (eV)

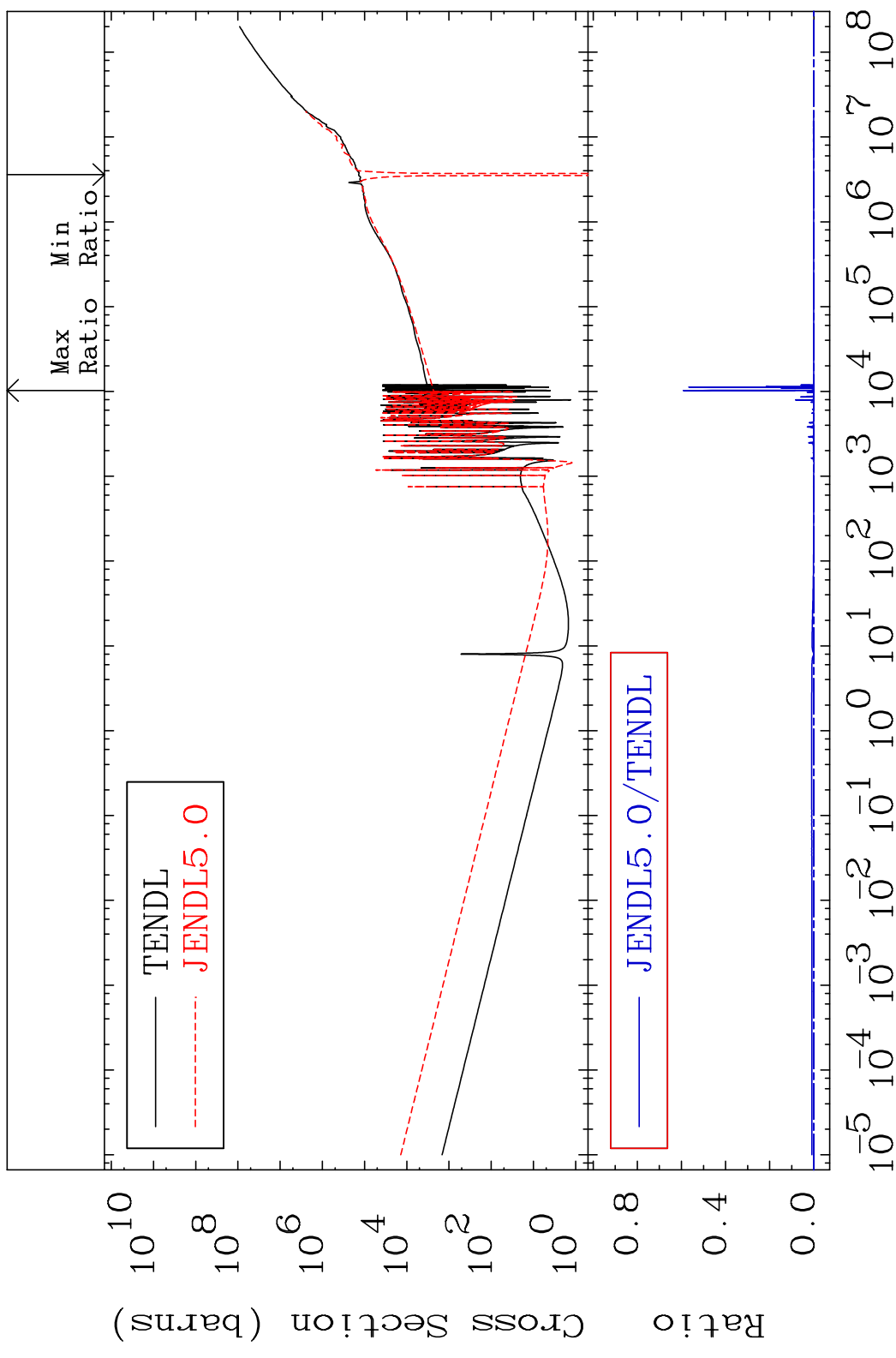
62-Sm-144

MAT 6225 He-4 Production 62-Sm-144
 Cross Section -78.39 To 2016. %

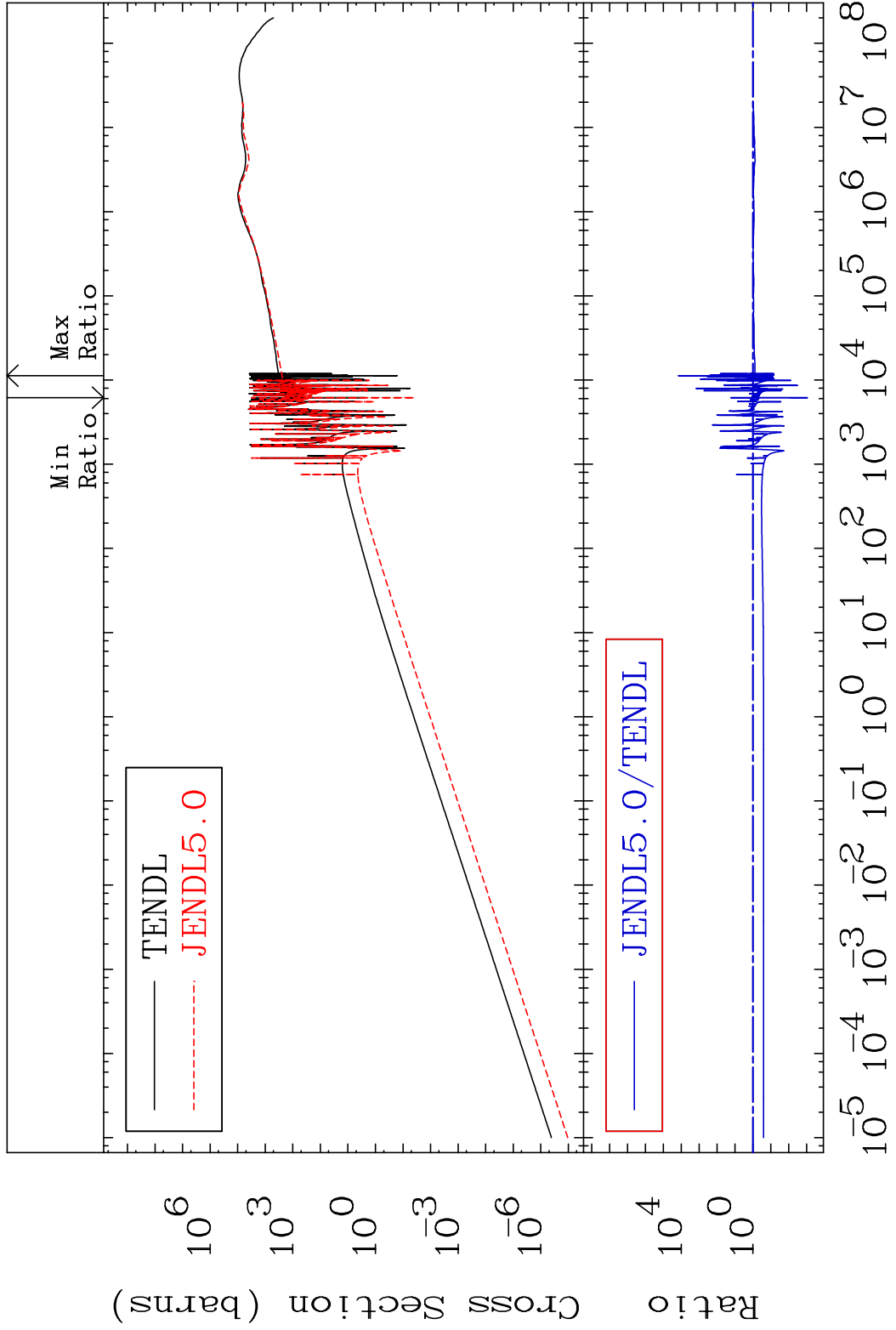


41 Incident Energy (eV) 62-Sm-144

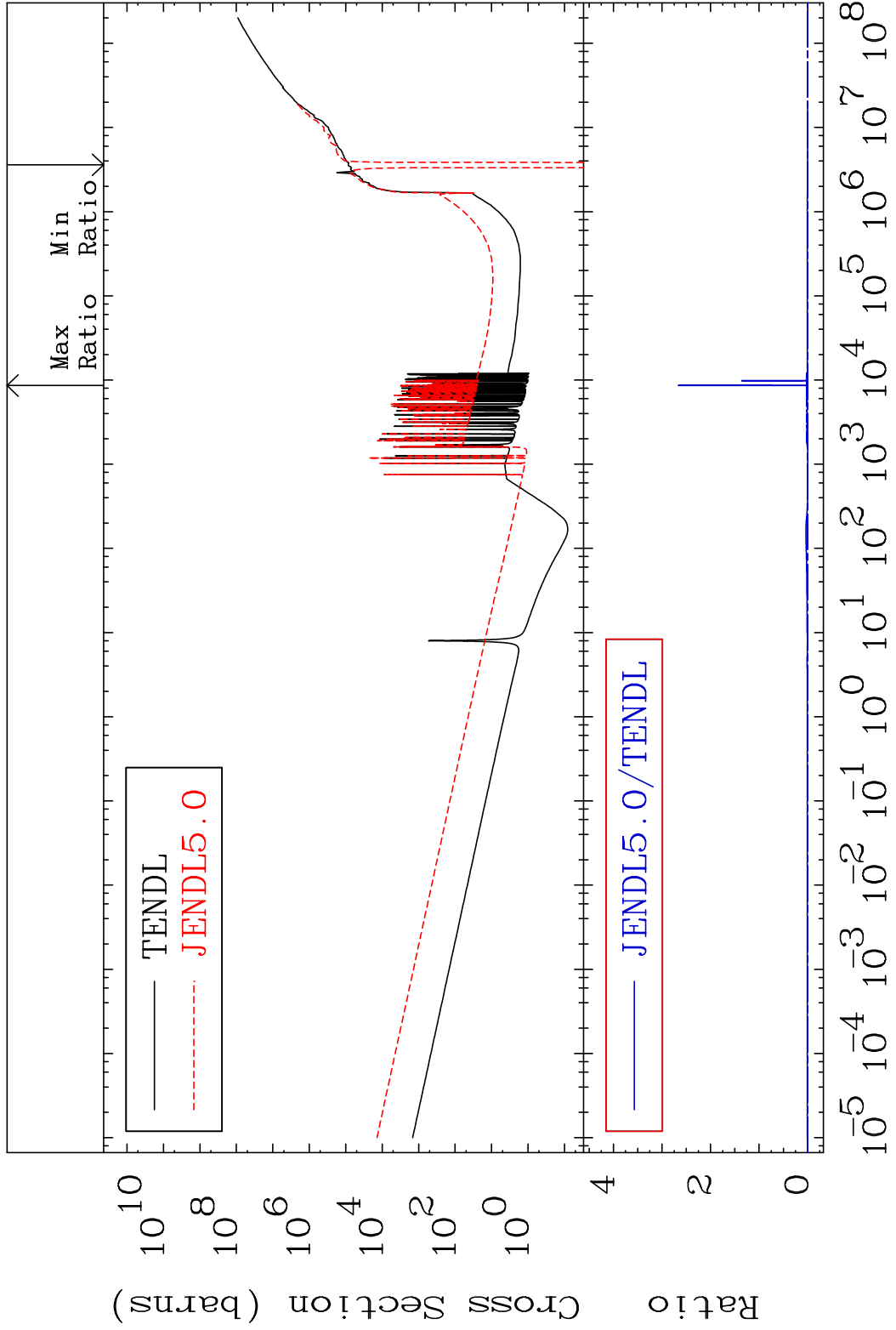
MAT 6225 Kerma total (eV-barns) 62-Sm-144
 Cross Section -105.4 To 9999. %



MAT 6225 Kerma elastic 62-Sm-144
 Cross Section -99.91 To 9999. %

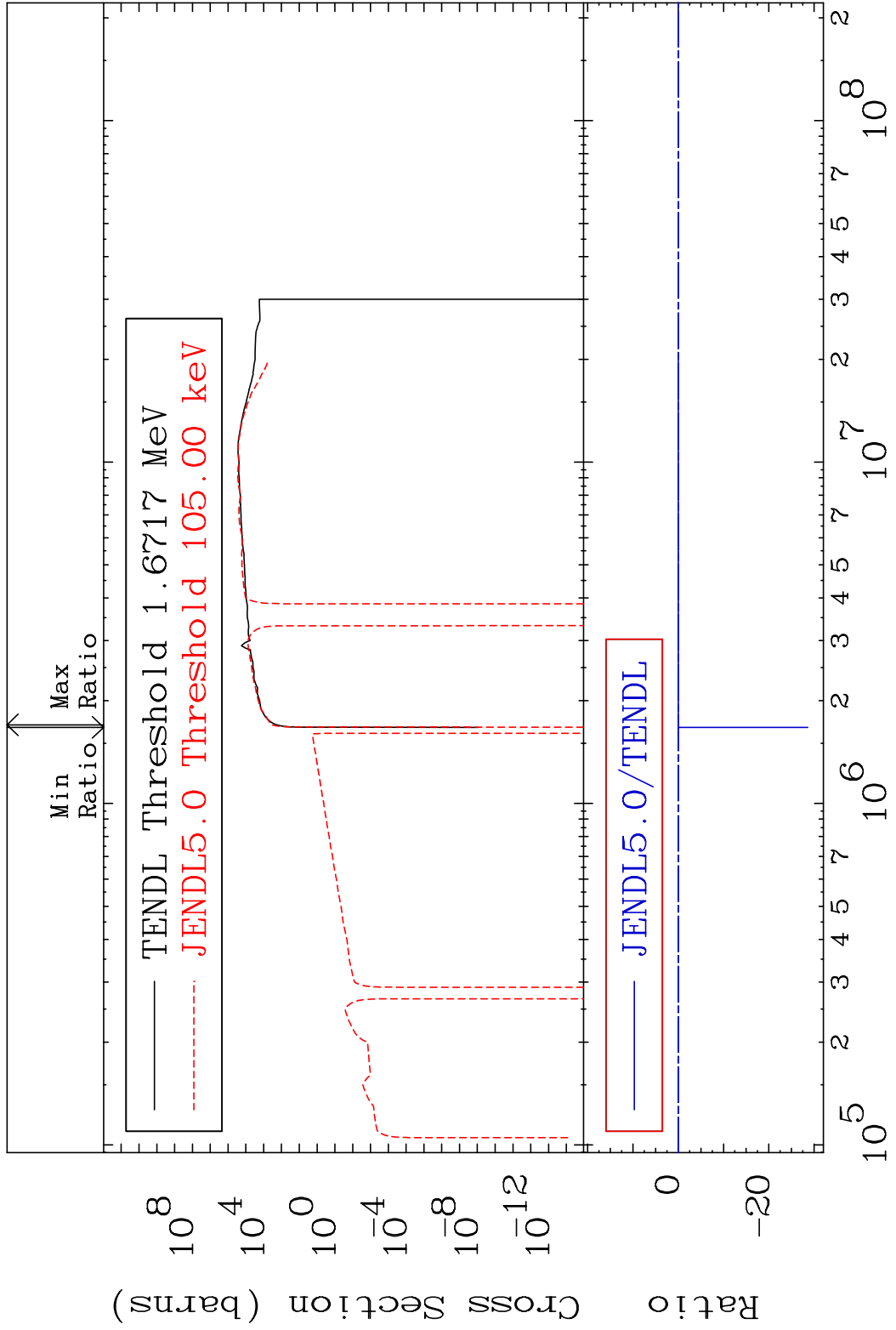


MAT 6225 Kerma non-elastic (all but mt2) 62-Sm-144
 Cross Section -158.4 To 9999. %



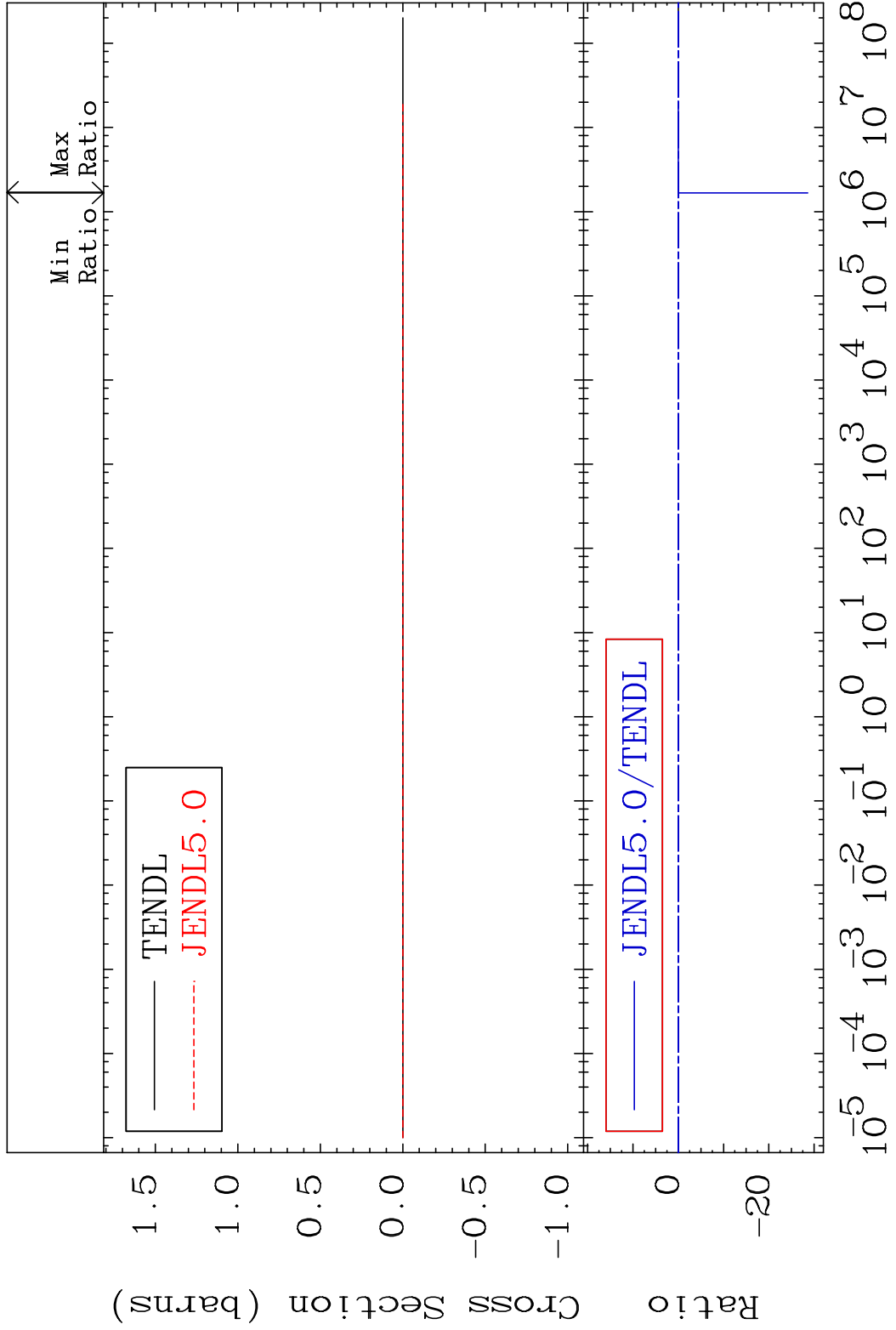
44 Incident Energy (eV) 62-Sm-144

MAT 6225 Kerma inelastic (mt51-91) 62-Sm-144
 Cross Section -9999. To 96.19 %

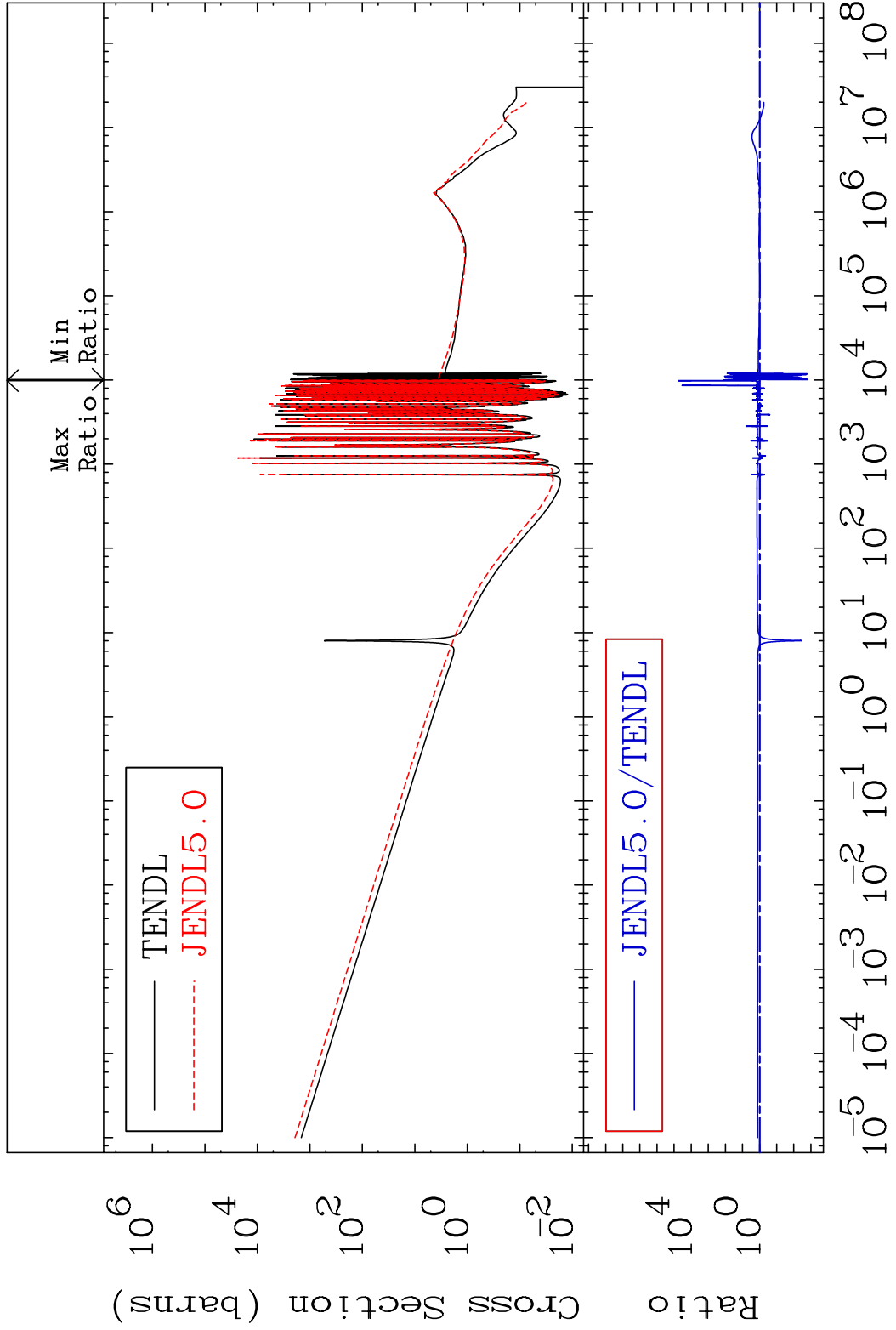


45 Incident Energy (eV) 62-Sm-144

MAT 6225 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-144
 Cross Section -9999. To 96.19 %

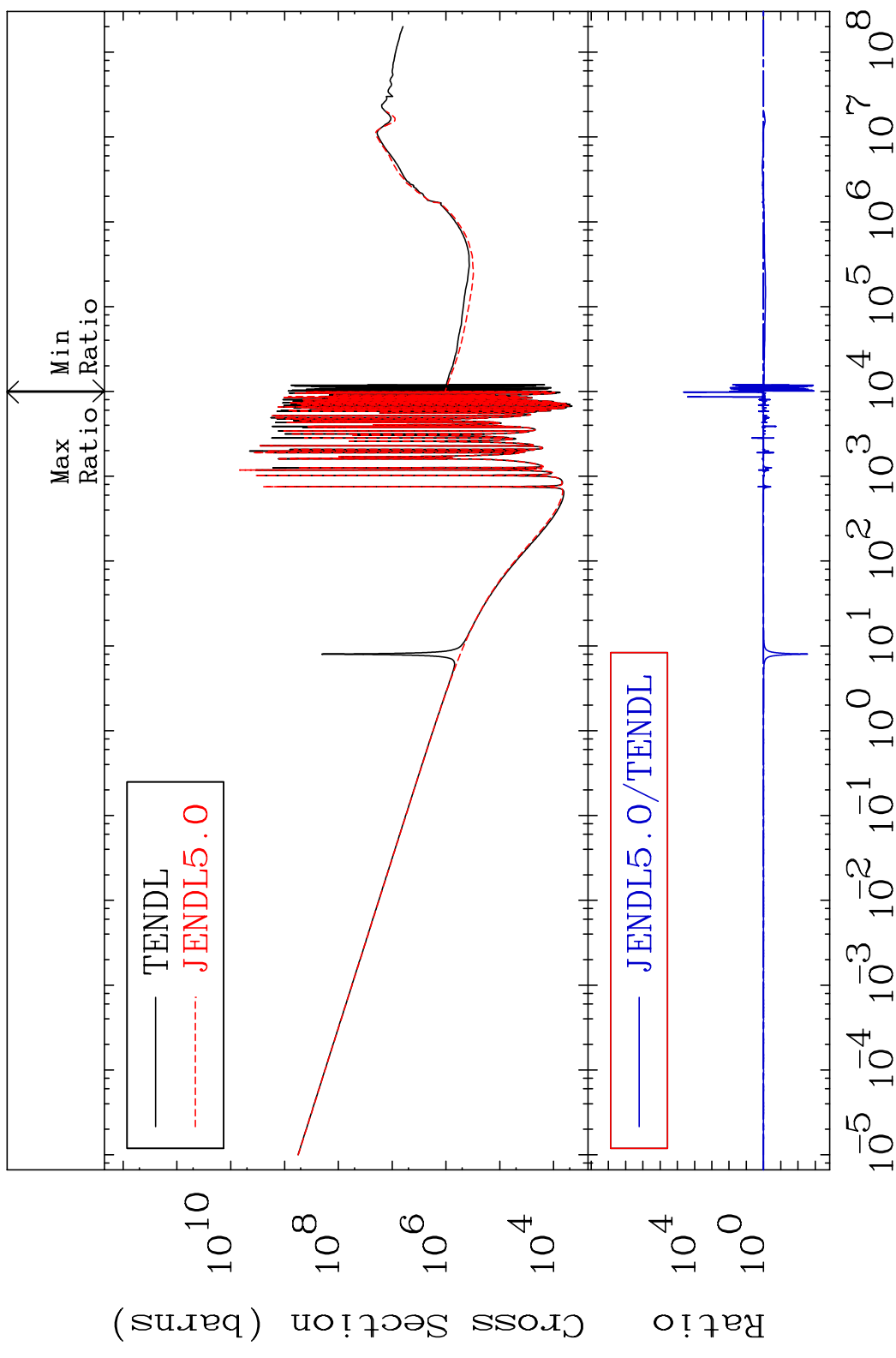


MAT 6225 Kerma capture (mt102) 62-Sm-144
 Cross Section -99.85 To 9999. %



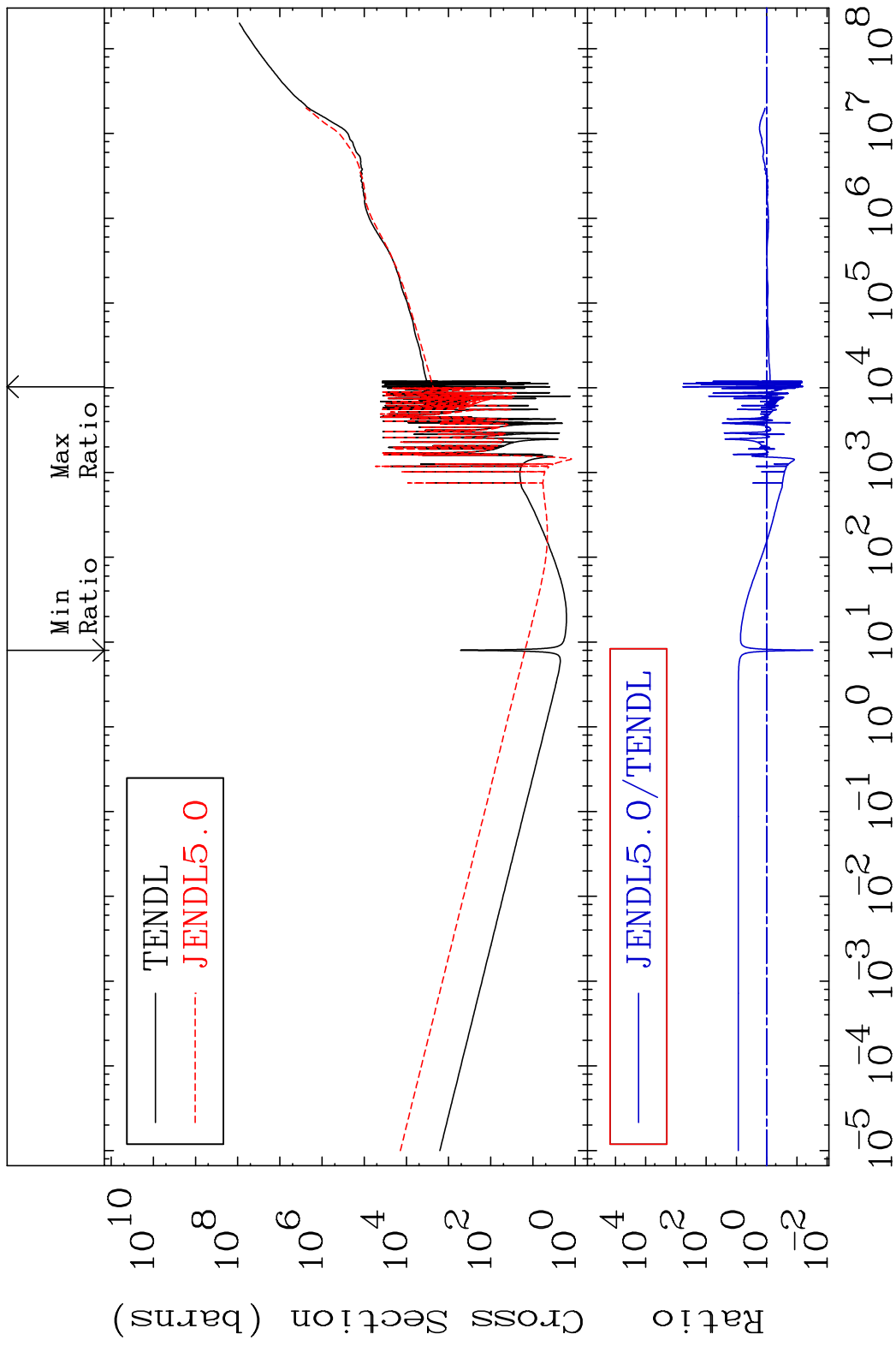
47 Incident Energy (eV) 62-Sm-144

MAT 6225 Total photon (eV-barns) 62-Sm-144
Cross Section -99.88 To 9999. %

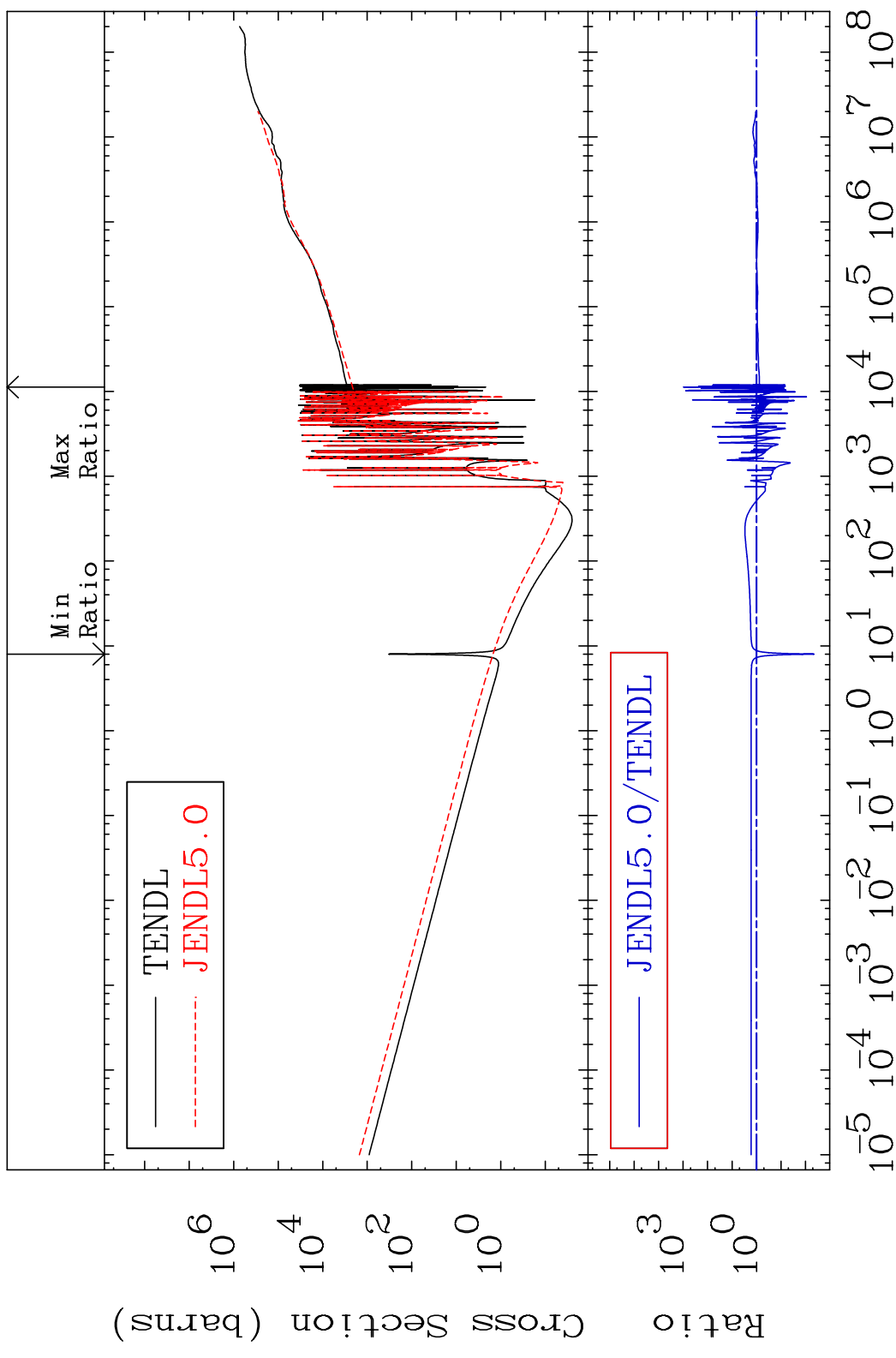


48 Incident Energy (eV) 62-Sm-144

MAT 6225 Total kinematic kerma (high limit) 62-Sm-144
 Cross Section -97.10 To 9999. %

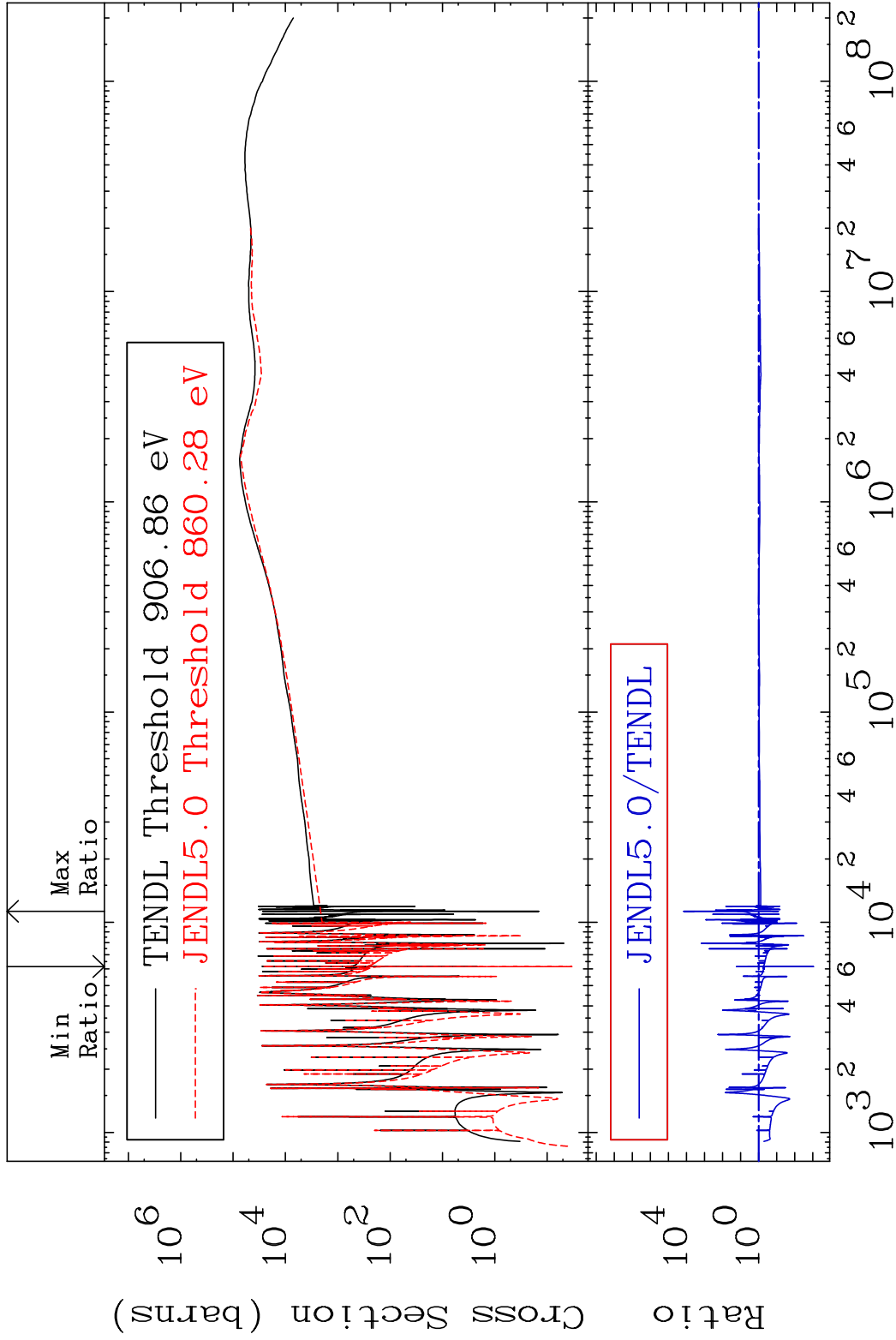


MAT 6225 Dpa total (eV-barns) 62-Sm-144
 Cross Section -99.55 To 9999. %

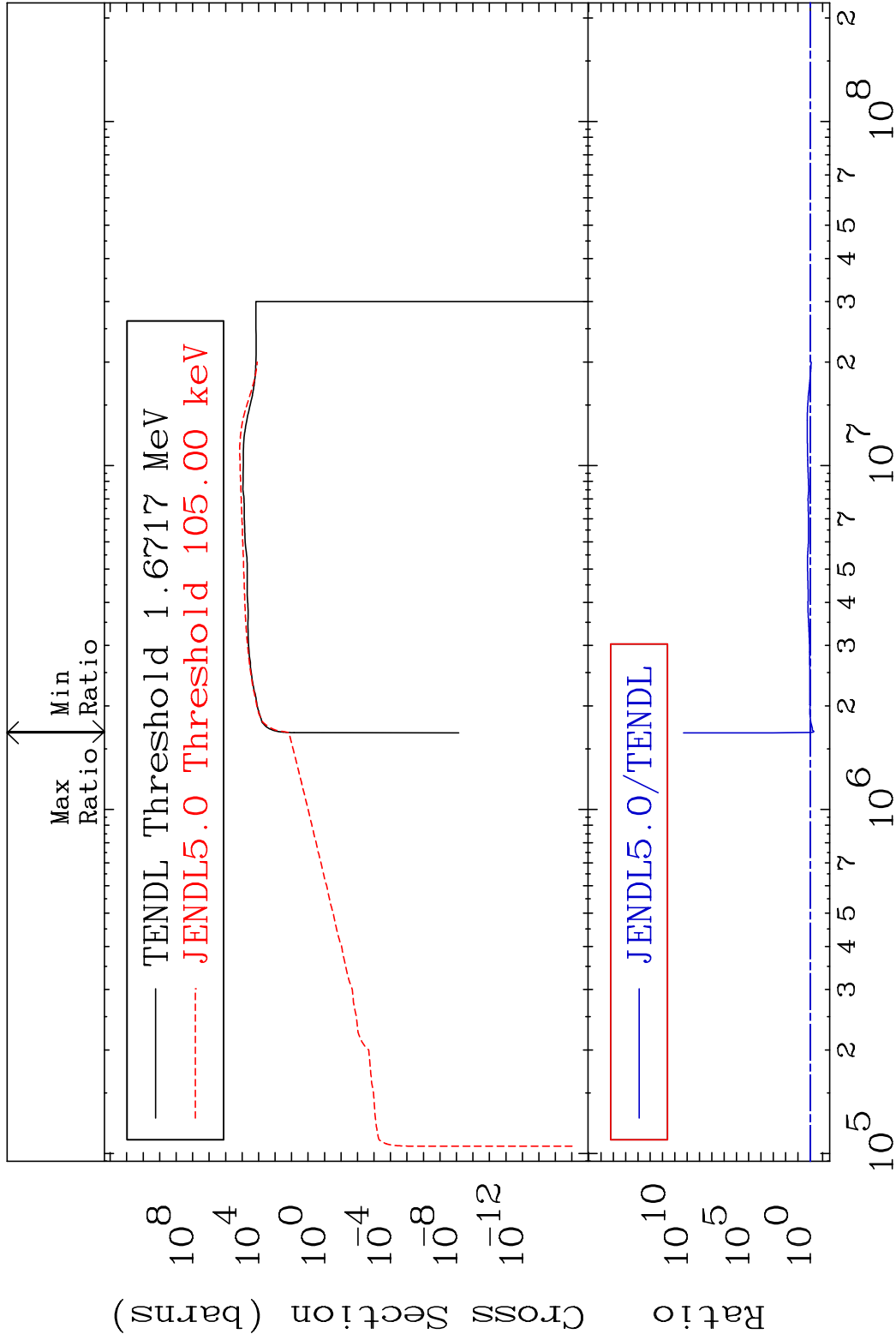


50 Incident Energy (eV) 62-Sm-144

MAT 6225 Dpa elastic (mt2) 62-Sm-144
 Cross Section -99.91 To 9999. %

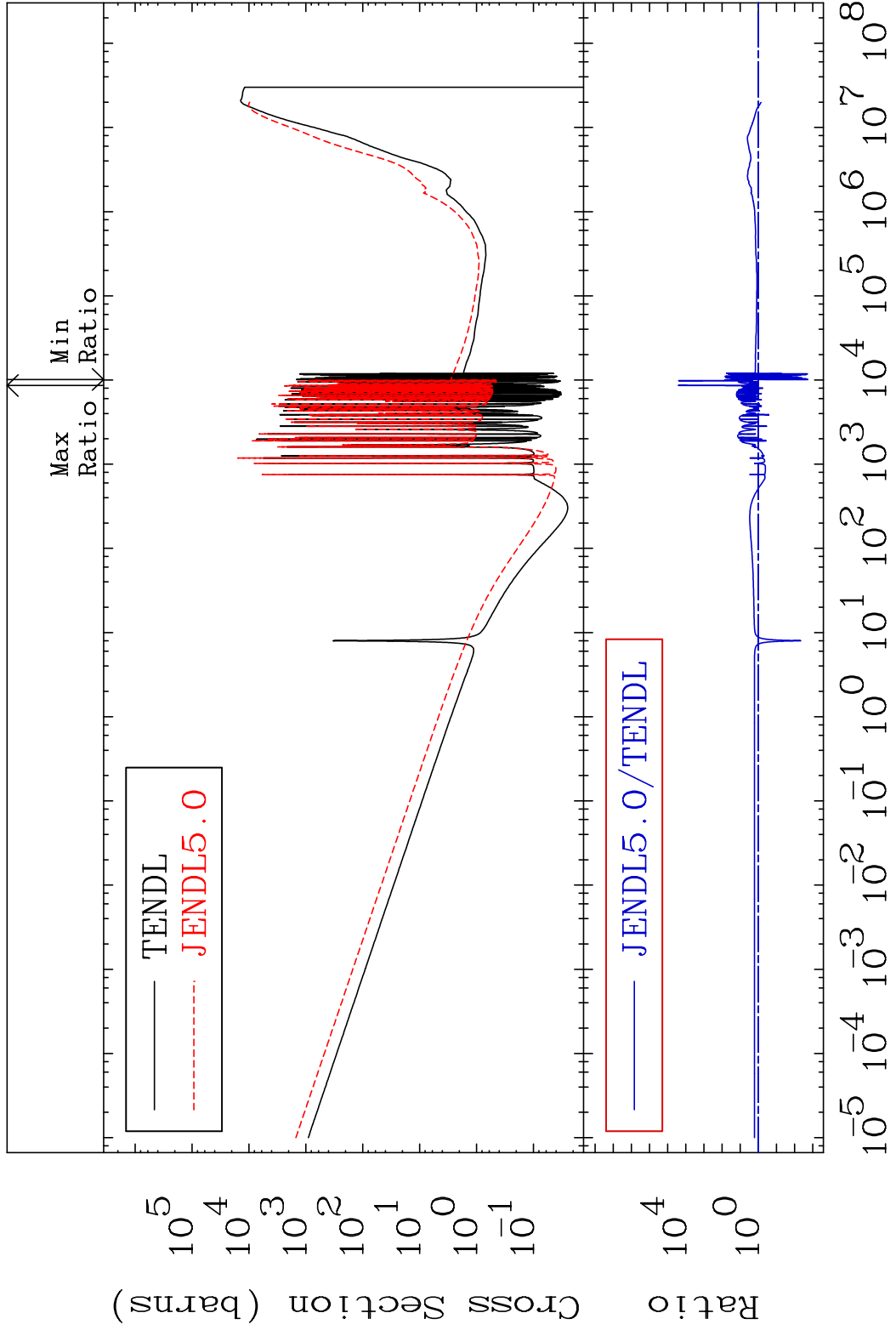


MAT 6225 Dpa inelastic (mt51-91) 62-Sm-144
 Cross Section -49.57 To 9999. %



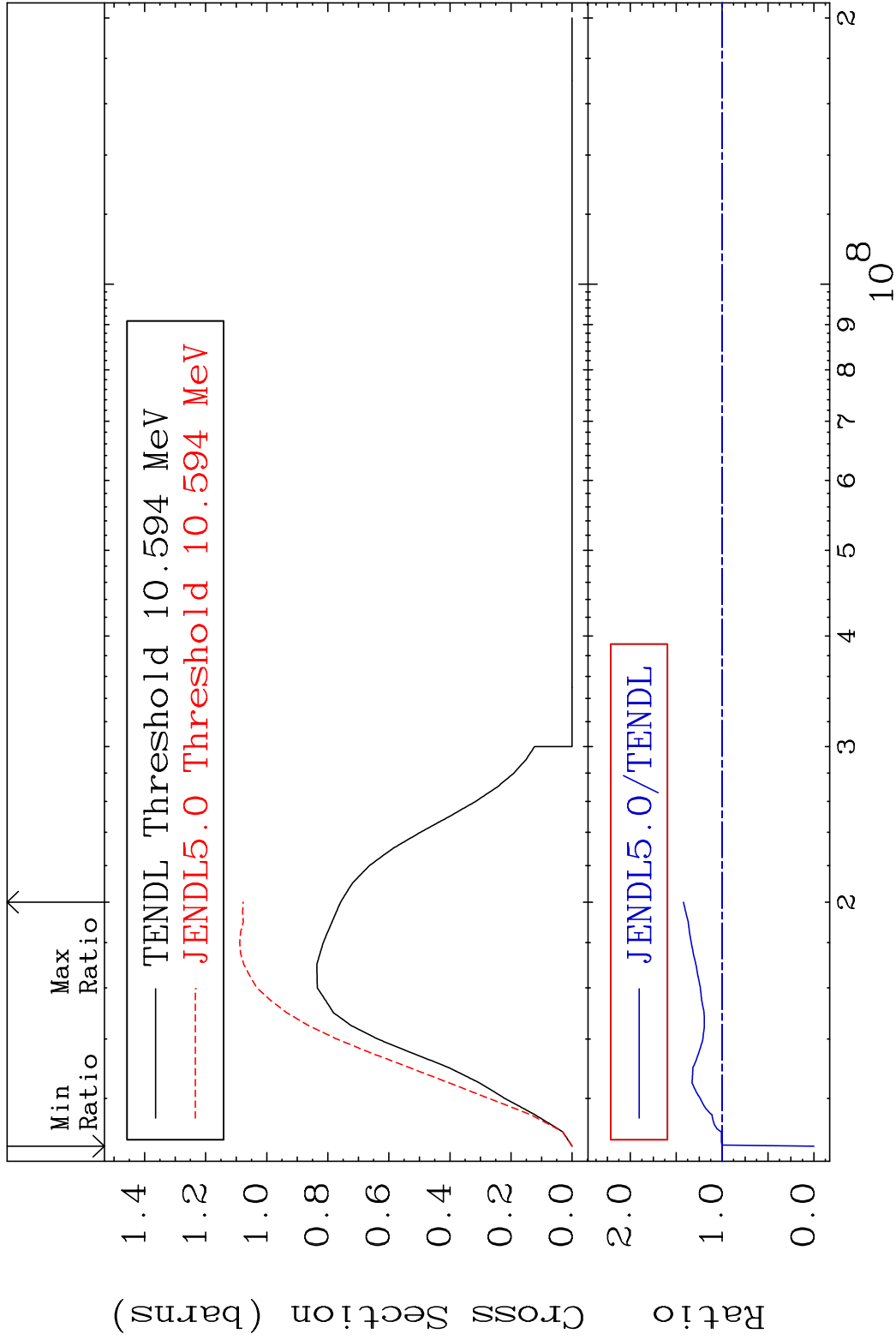
52 Incident Energy (eV) 62-Sm-144

MAT 6225 Dpa disappearance (mt102 -120) 62-Sm-144
 Cross Section -99.81 To 9999. %



53 Incident Energy (eV) 62-Sm-144

MAT 6225 (n,2n):62-Sm-143g 62-Sm-144
 Radionuclide Production Cross Section 1800.0 dpo 42.13 %



MAT 6225 (n, 2n): 62-Sm-143m2 62-Sm-144
 Radionuclide Production Cross Section 18000 dpo 23.61 %

