

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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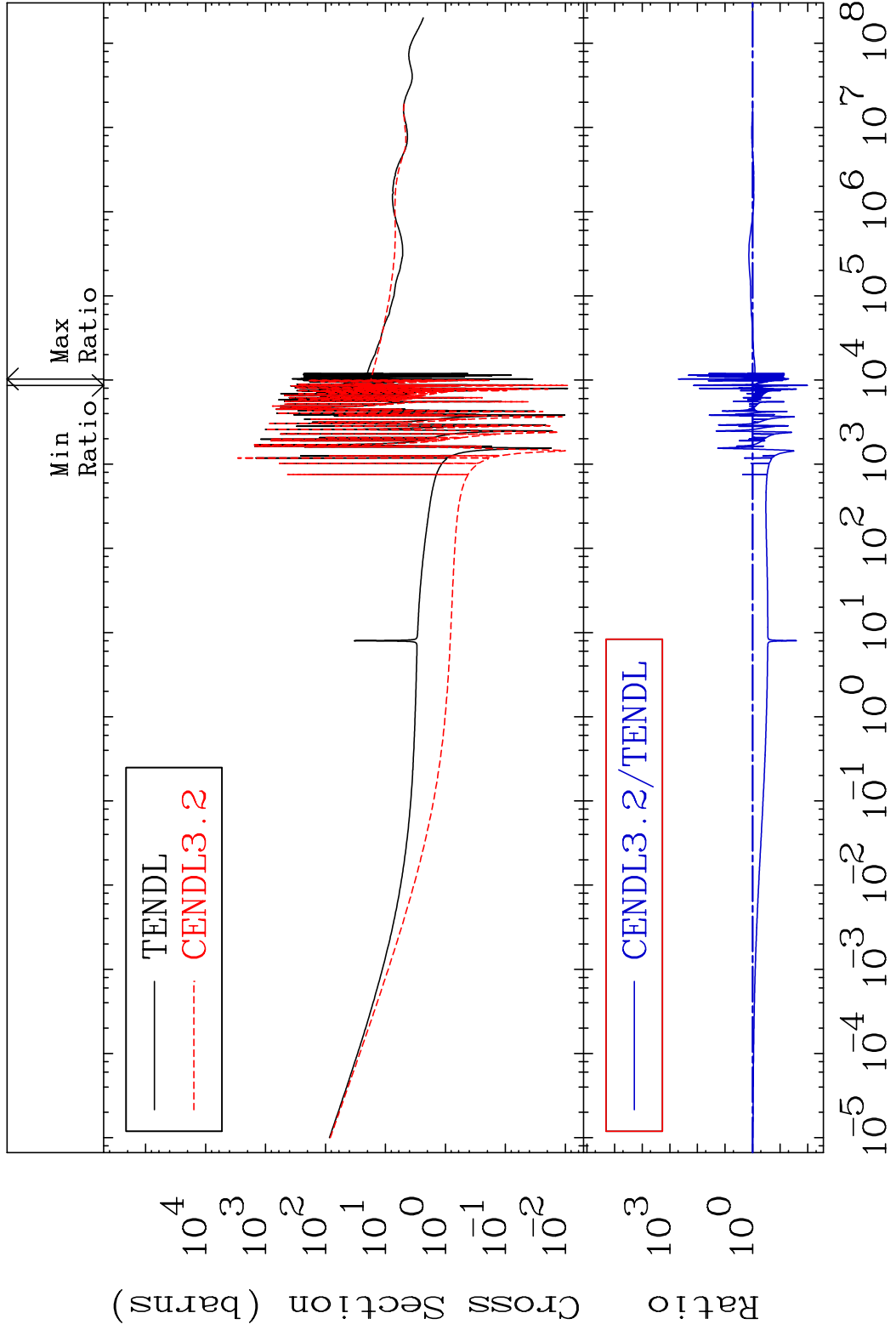
U.S.A.

Tele: 925-443-1911

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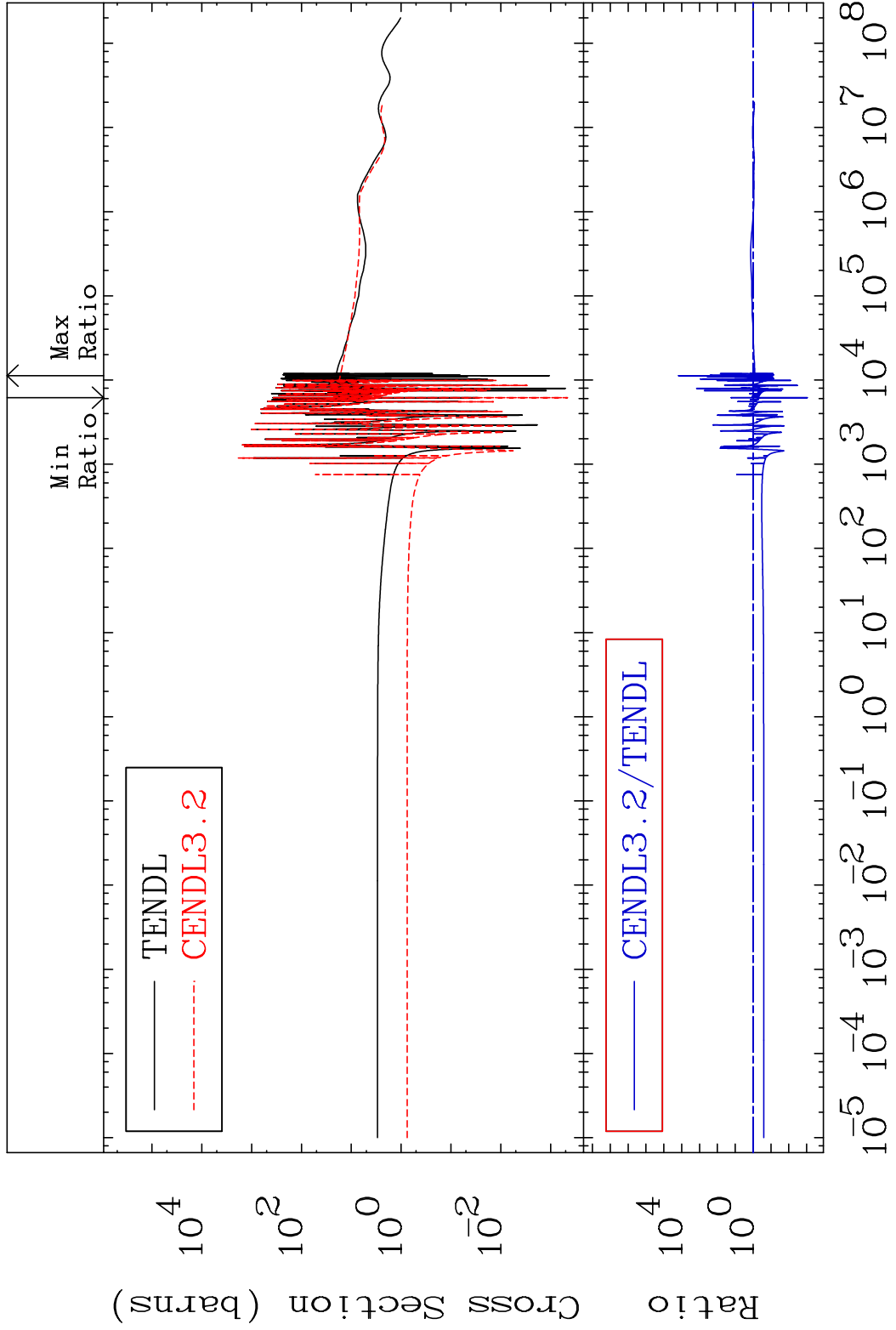
Press Mouse Button to Start

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



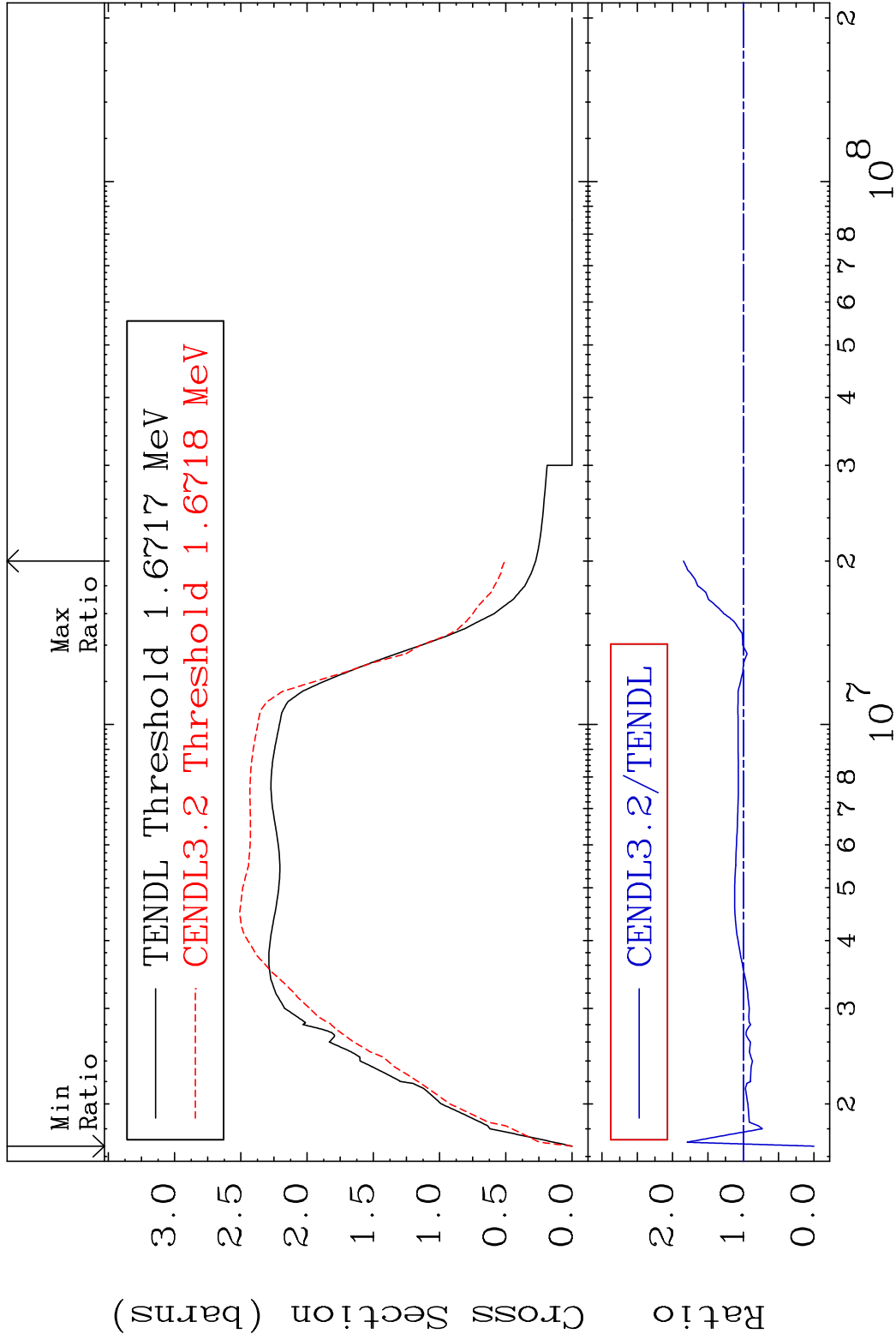
1 Incident Energy (eV) 62-Sm-144

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

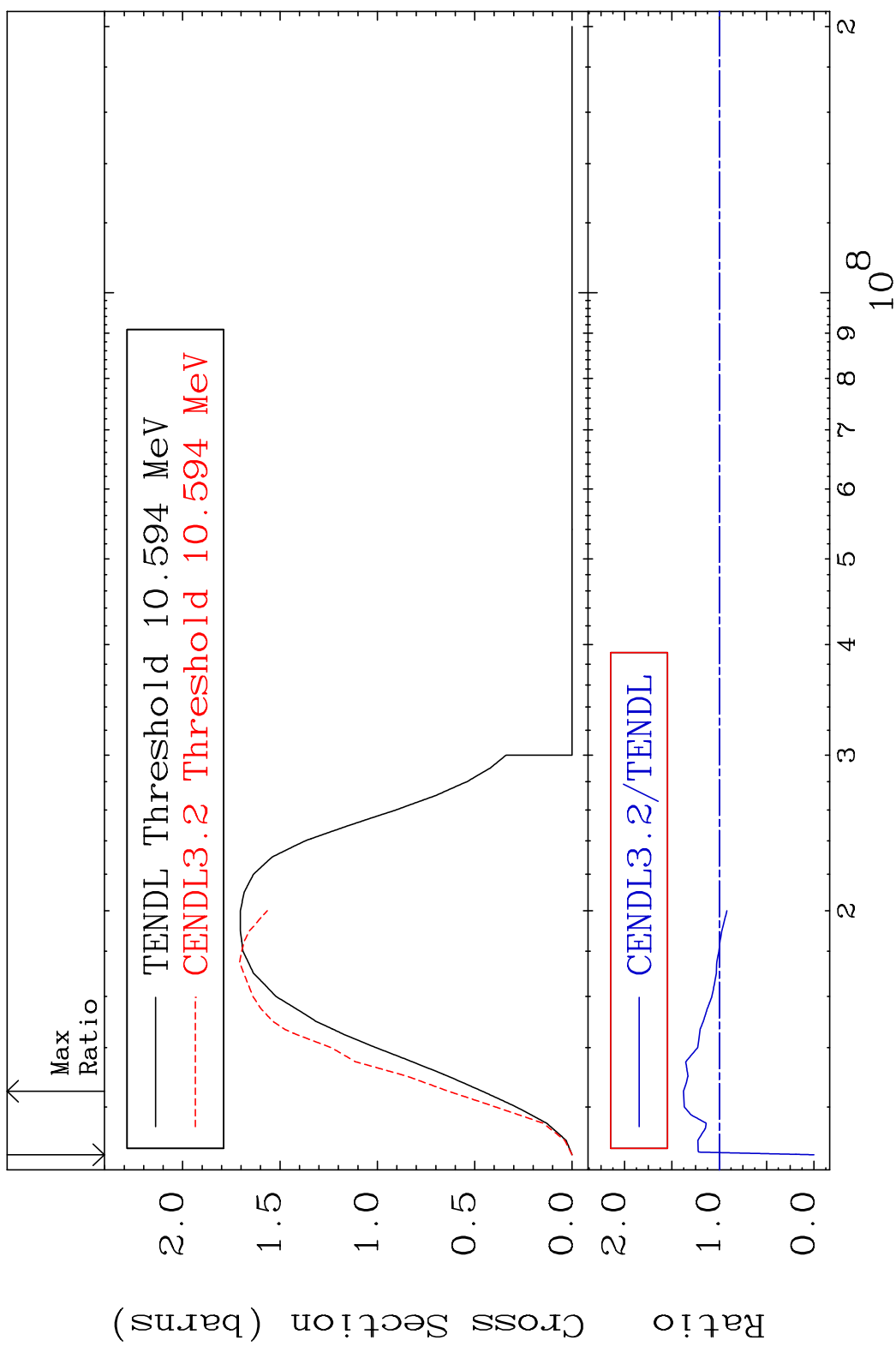


2 Incident Energy (eV) 62-Sm-144

MAT 6225 Inelastic 62-Sm-144
 Cross Section -100.0 To 84.68 %



MAT 6225 (n,2n) 62-Sm-144
 Cross Section -100.0 To 37.84 %

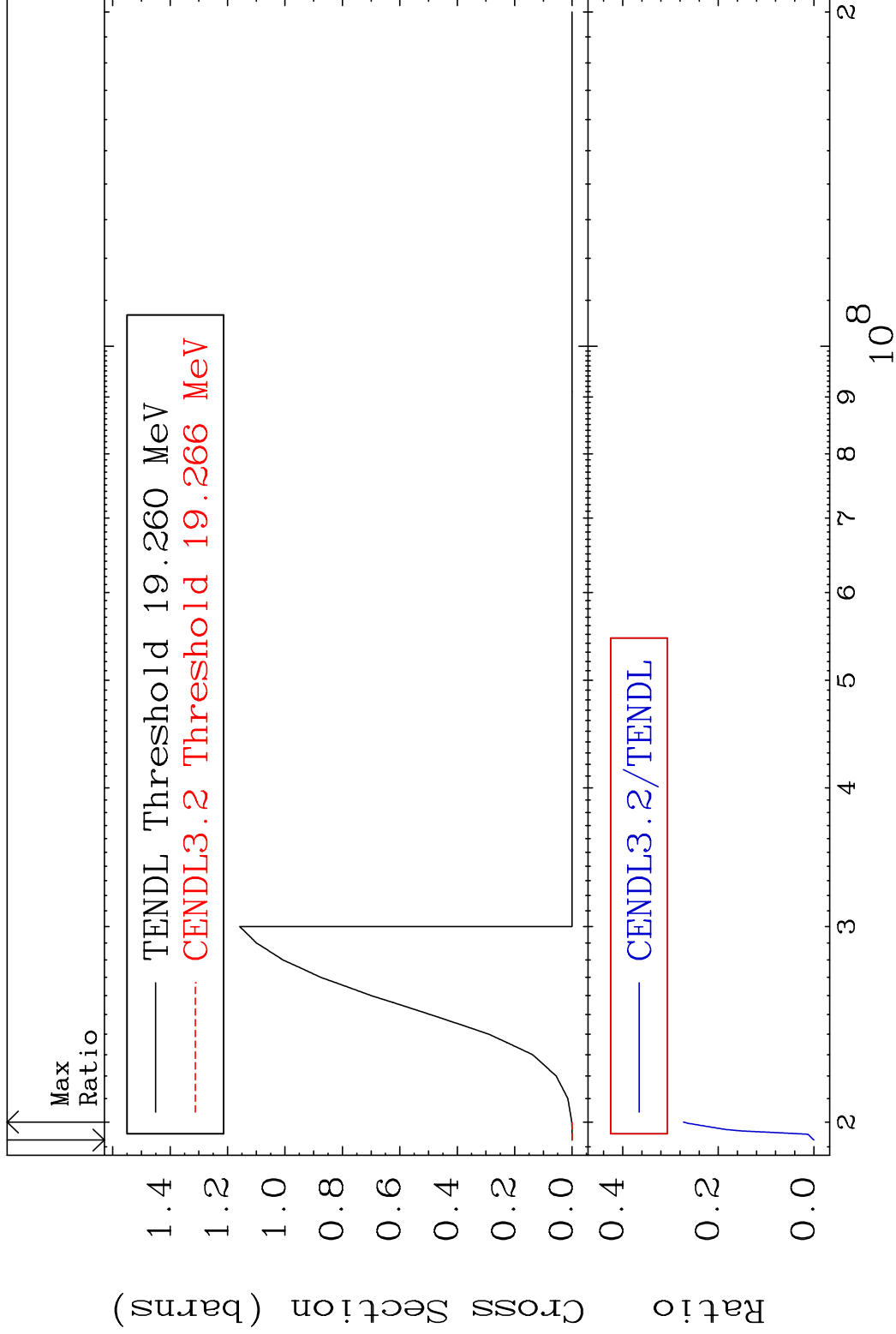


MAT 6225

(n,3n)

62-Sm-144

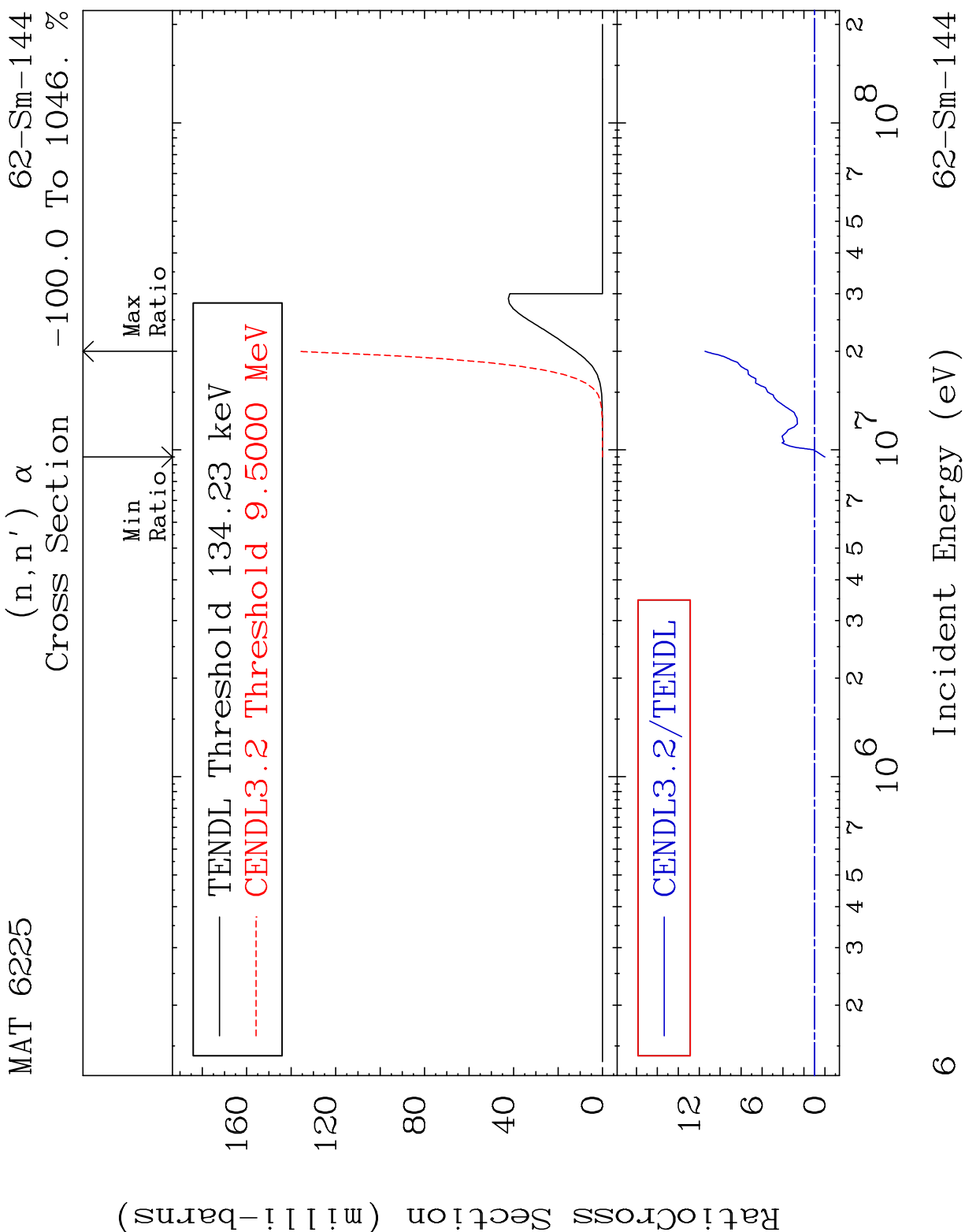
Cross Section -100.0 To -72.71%

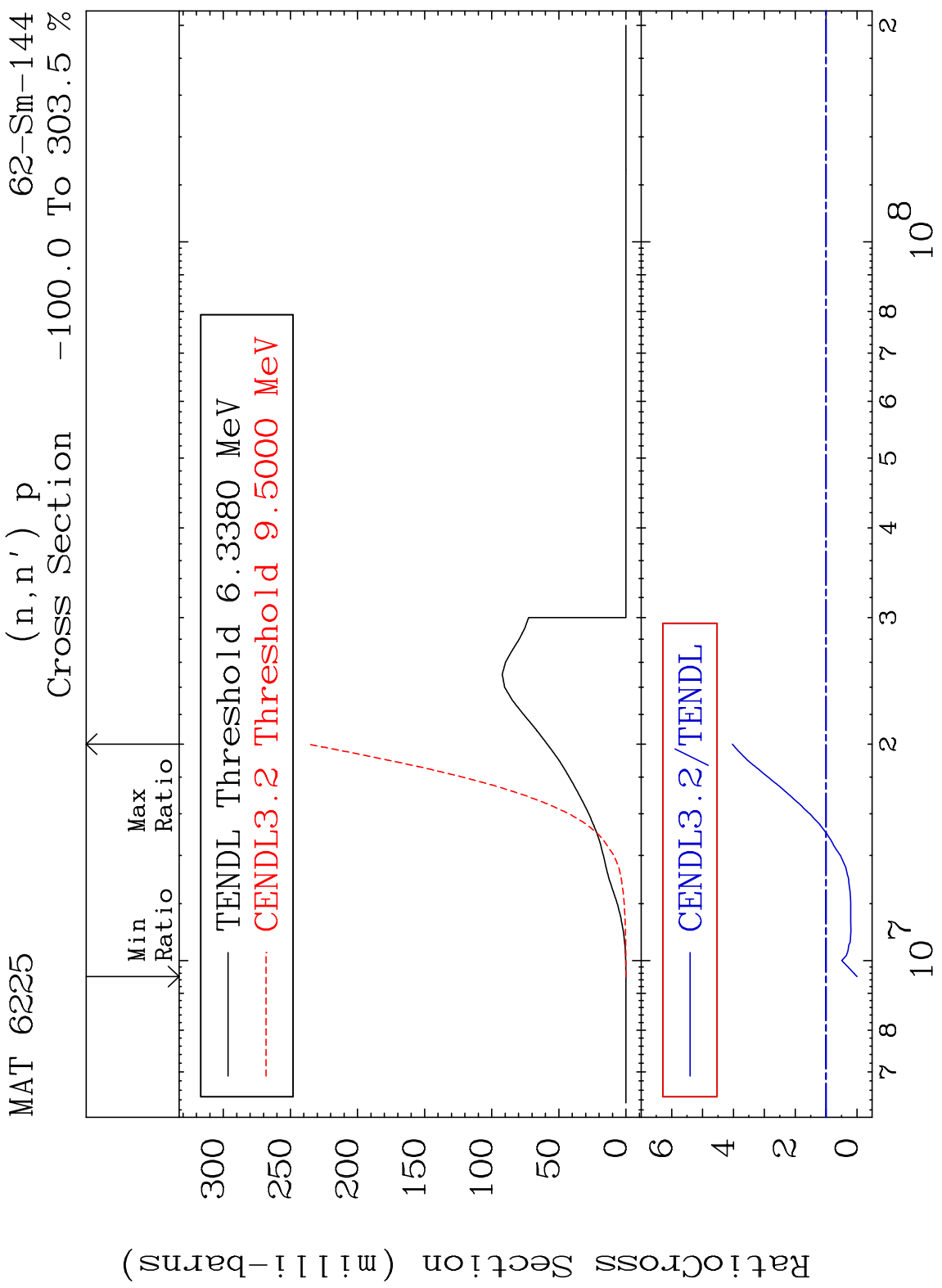


5

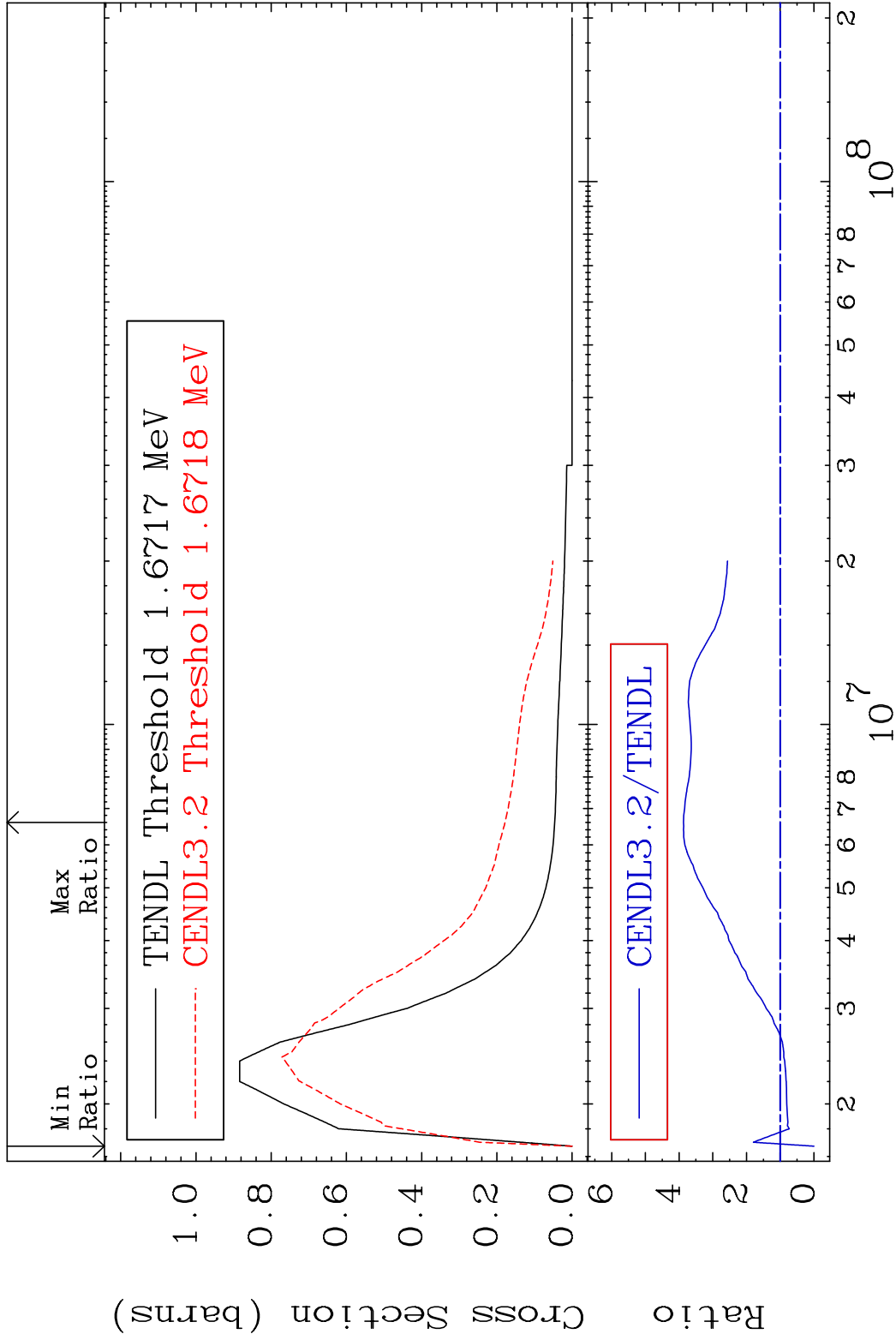
Incident Energy (eV)

62-Sm-144



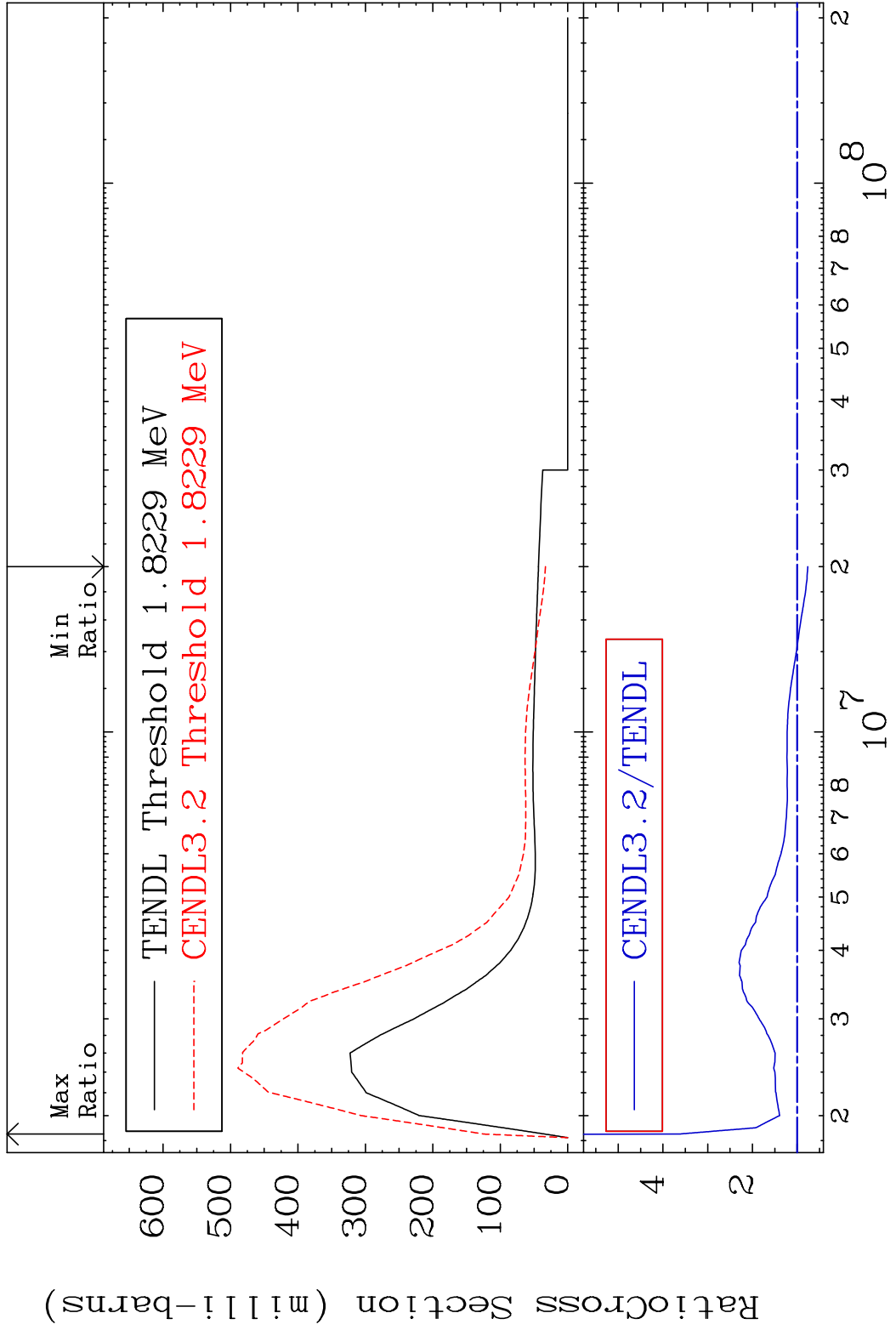


MAT 6225 MT= 51 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 287.0 %



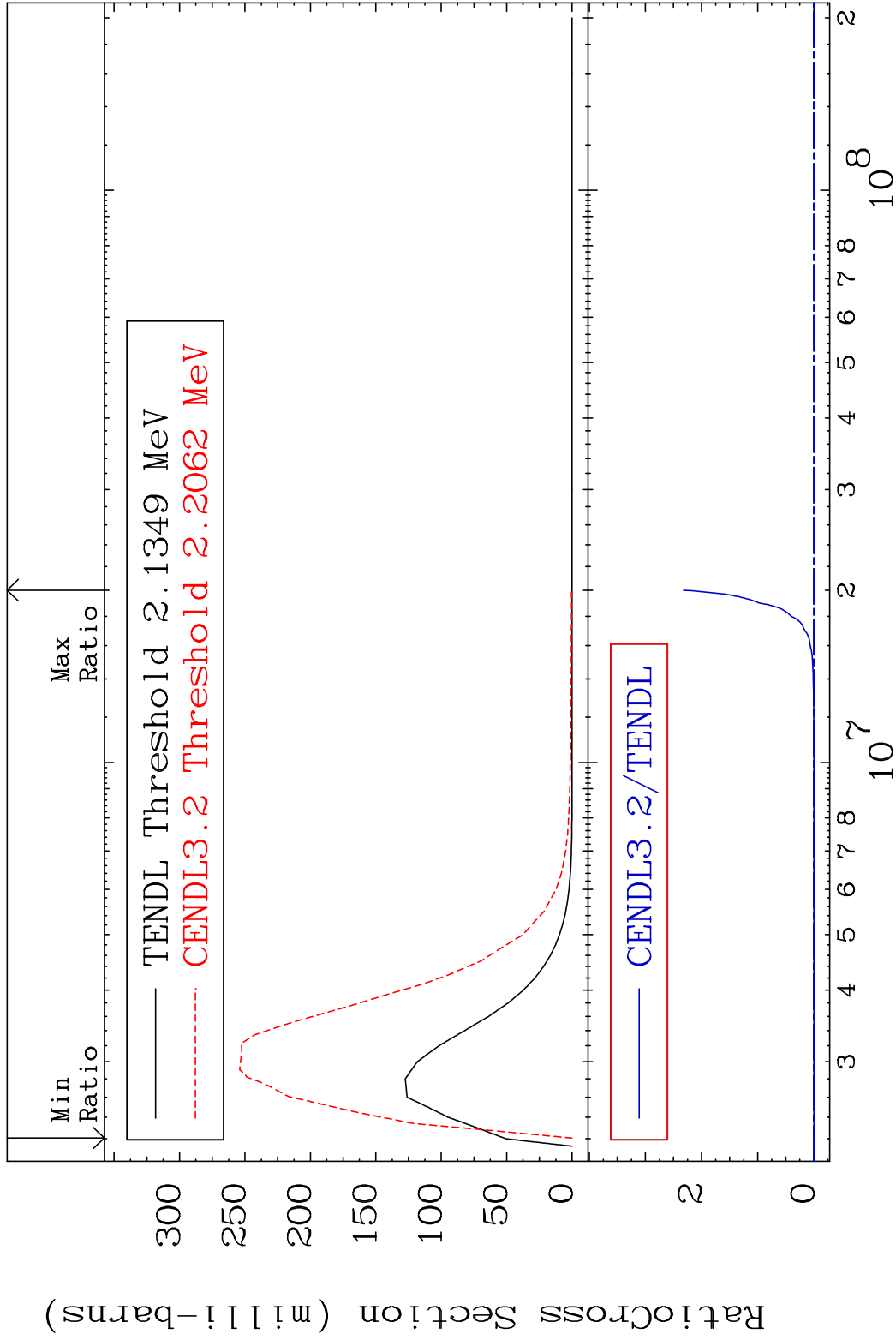
8 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 52 (n, n') Level 62-Sm-144
 Cross Section -23.59 To 265.8 %



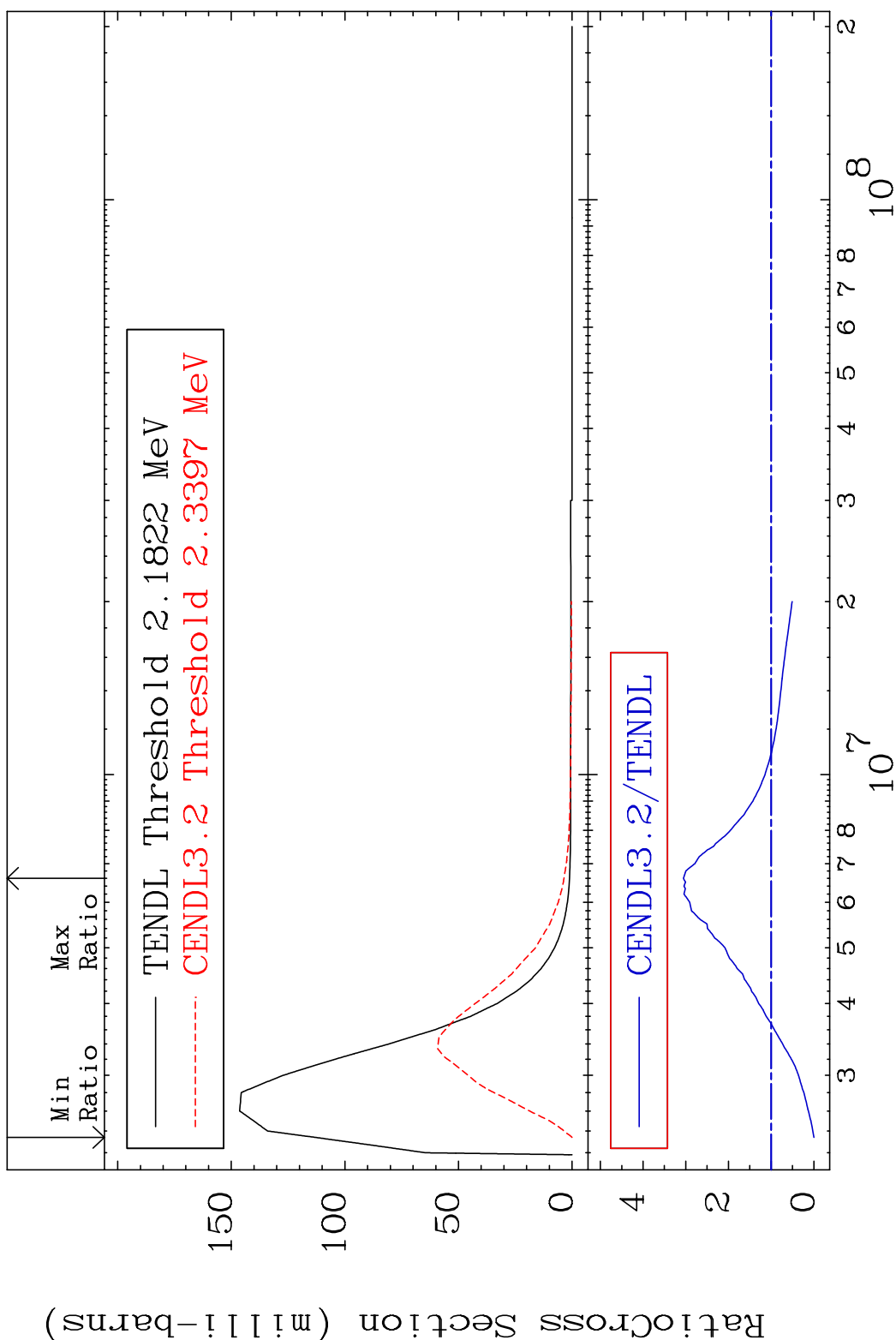
9 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 53 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 9999. %



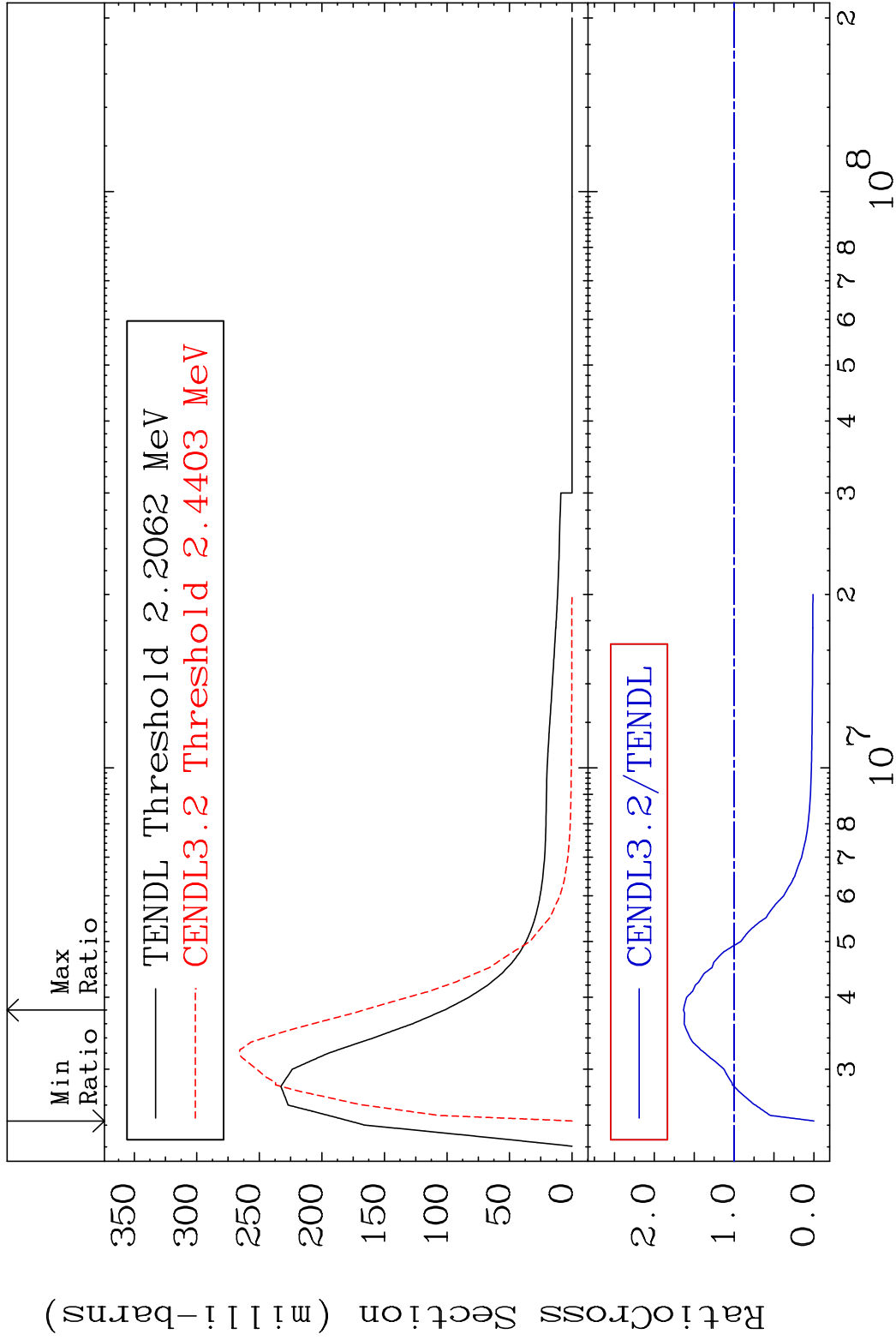
10 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 54 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 205.4 %



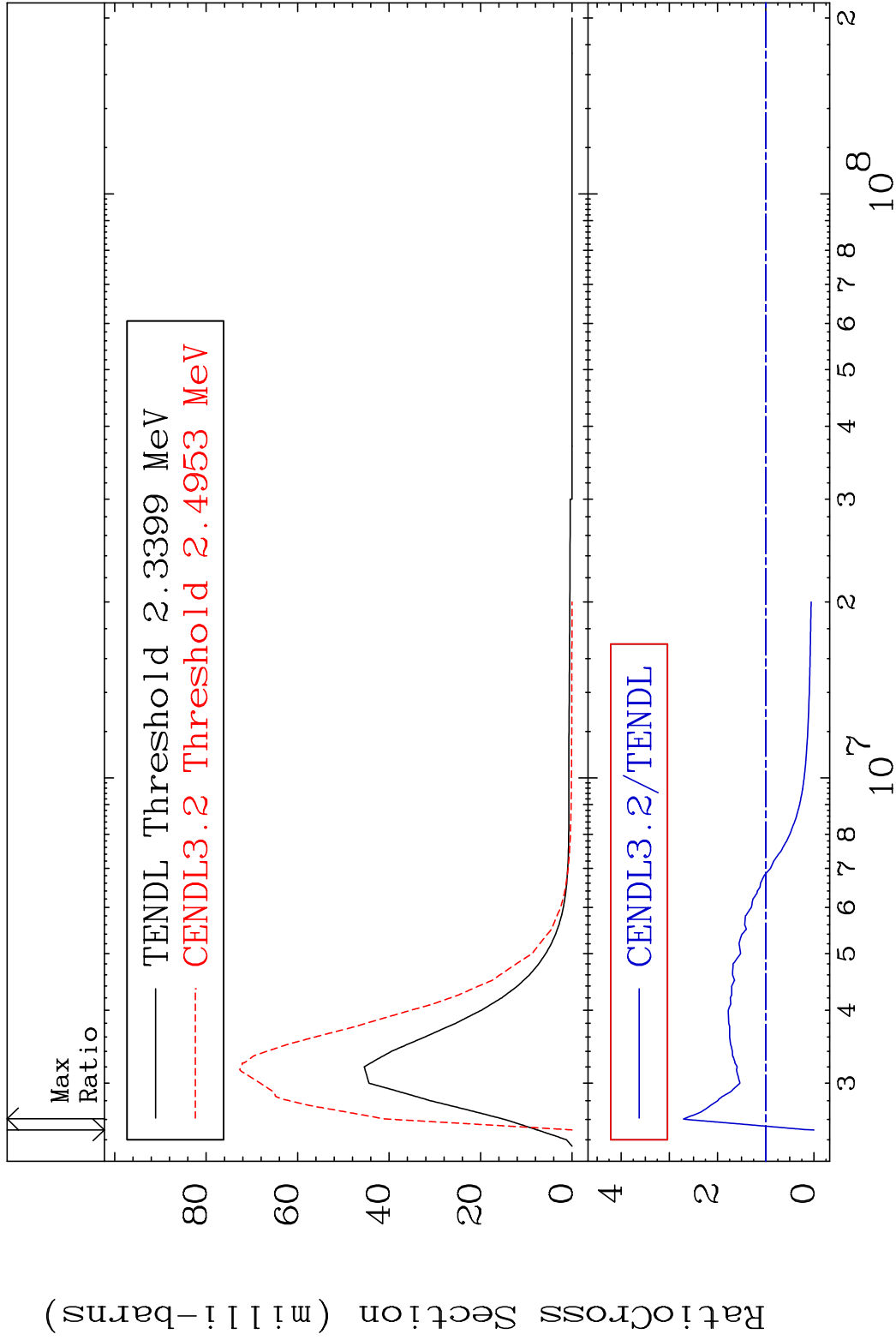
11 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 55 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 63.47 %



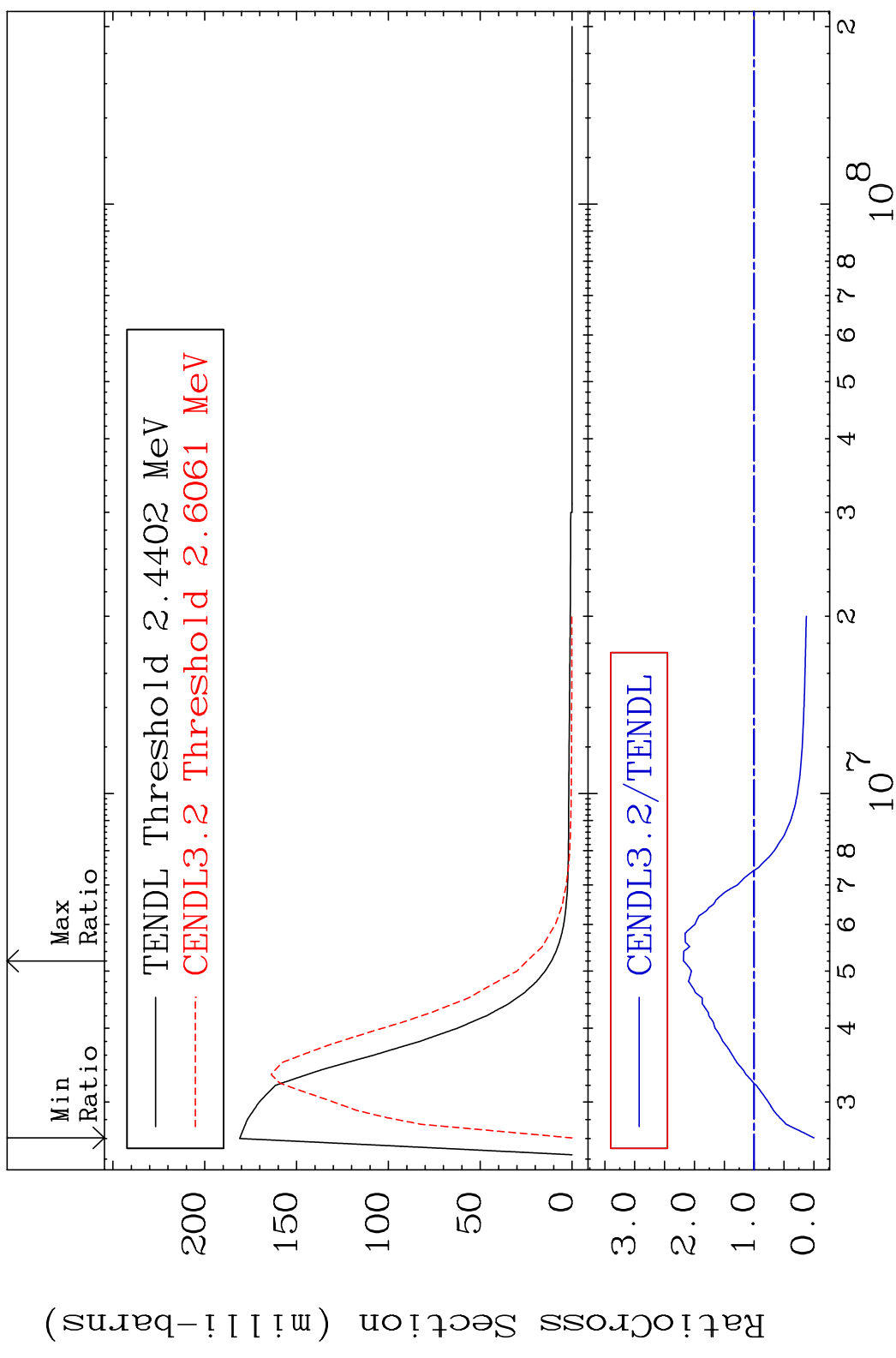
12 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 56 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 170.7 %



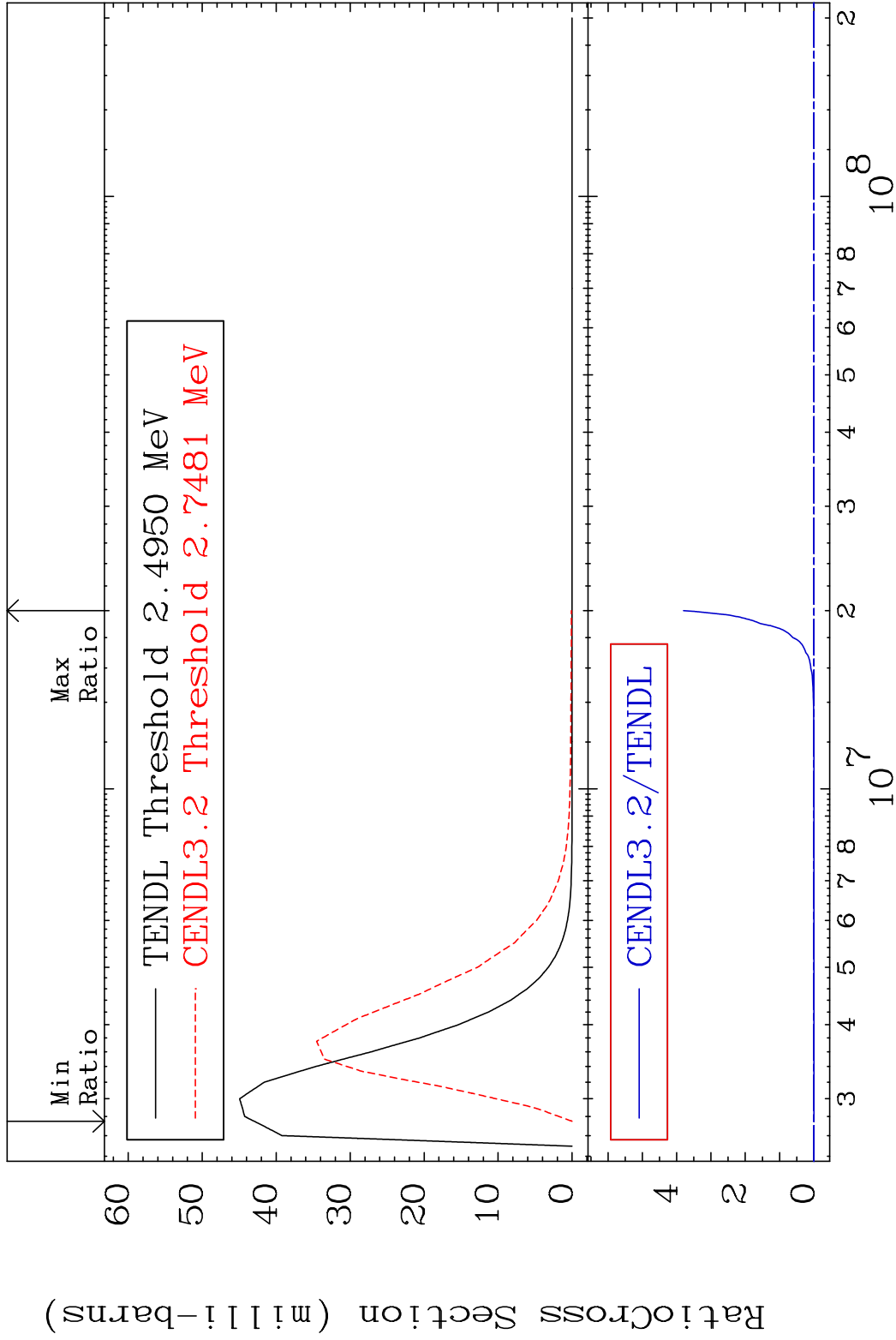
13 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 57 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 118.4 %



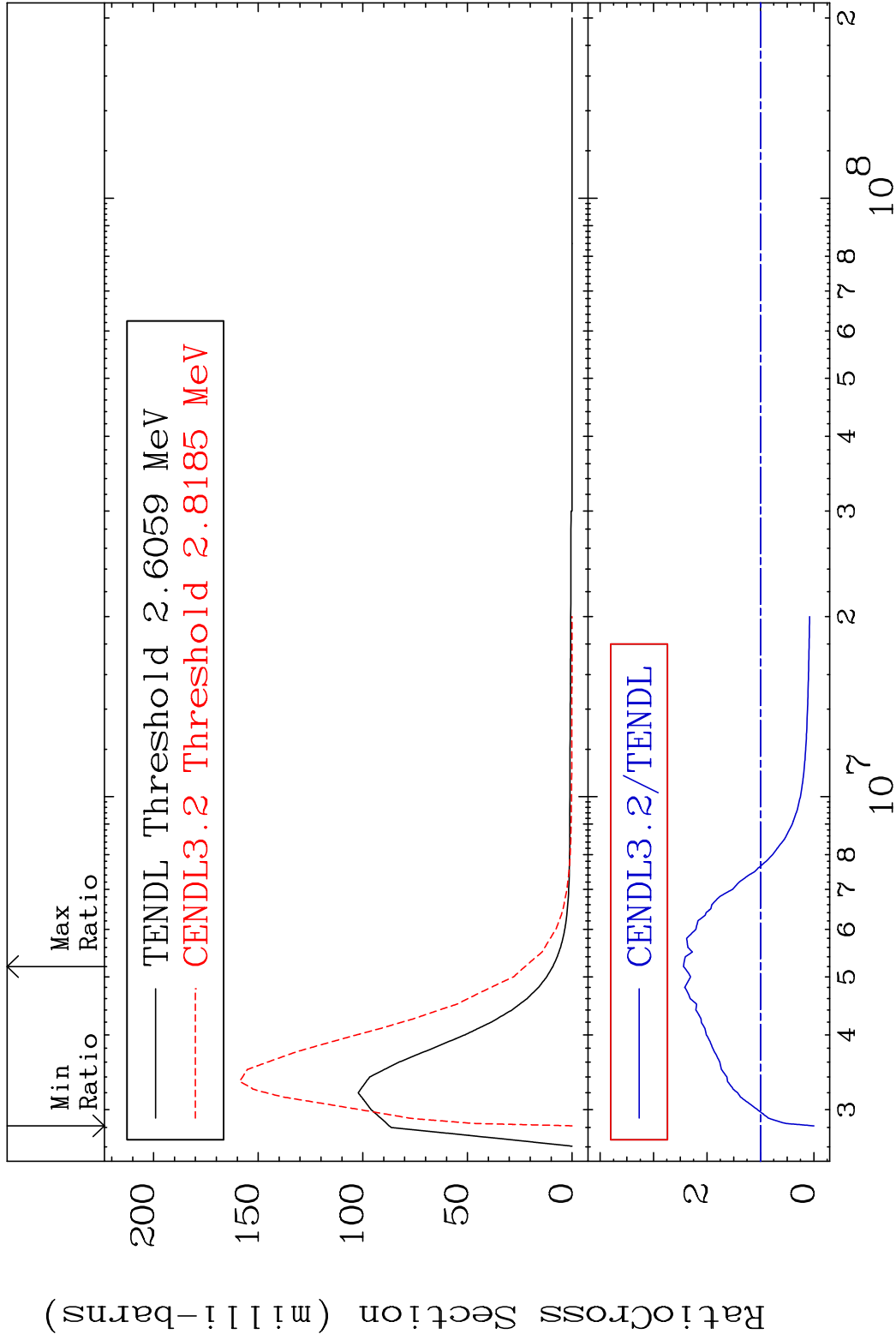
14 Incident Energy (eV) 62-Sm-144

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



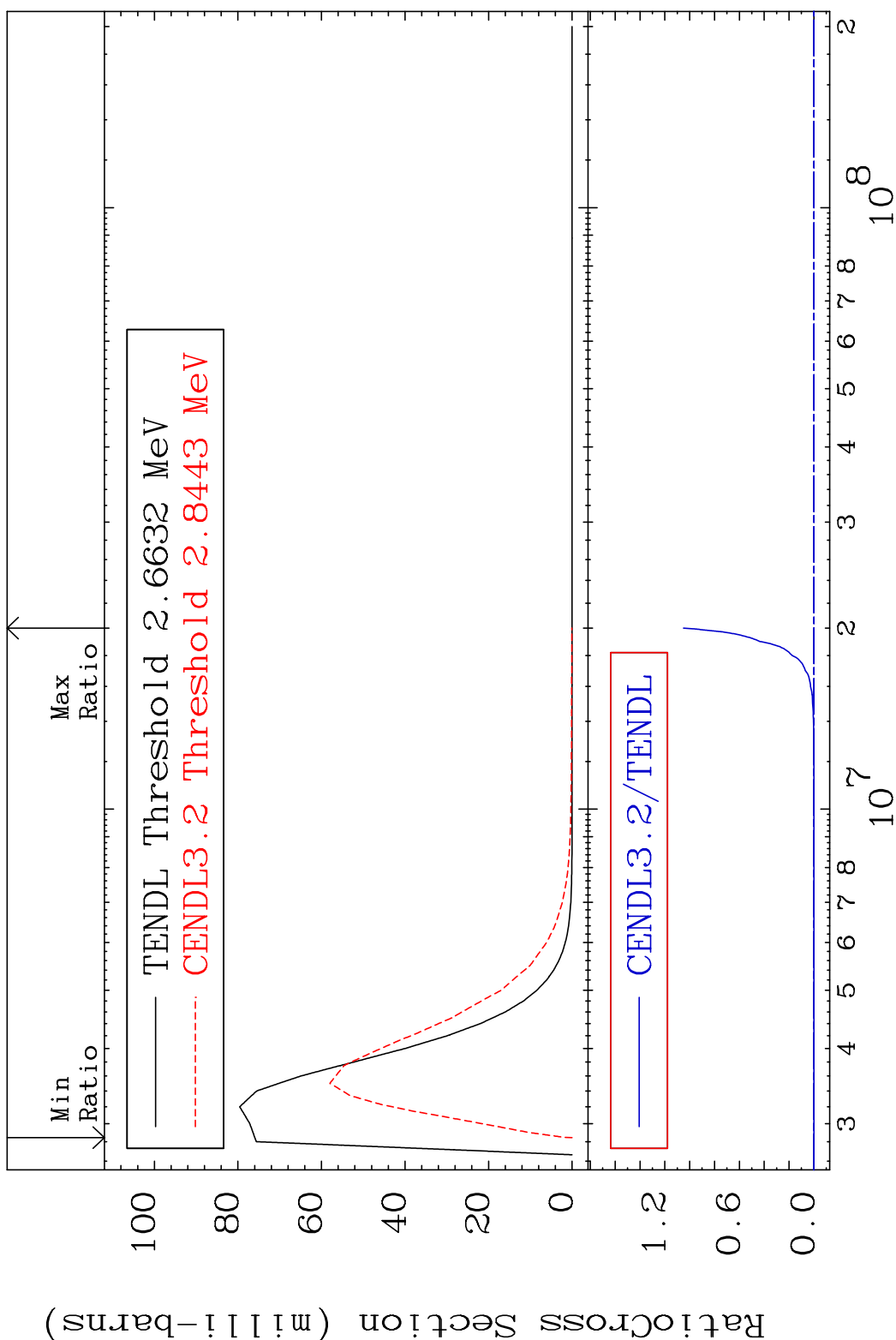
15 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 59 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 144.1 %



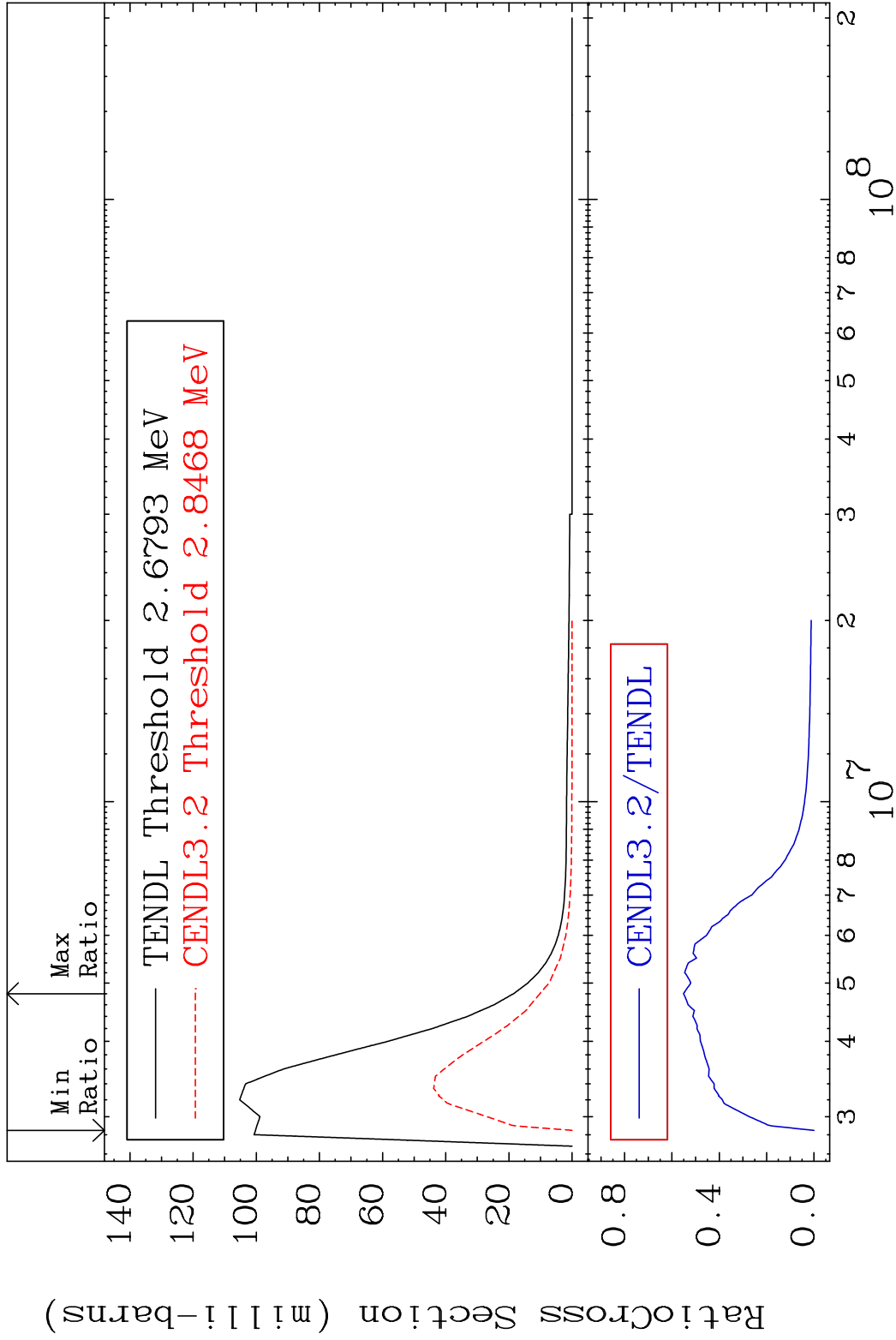
16 Incident Energy (eV) 62-Sm-144

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



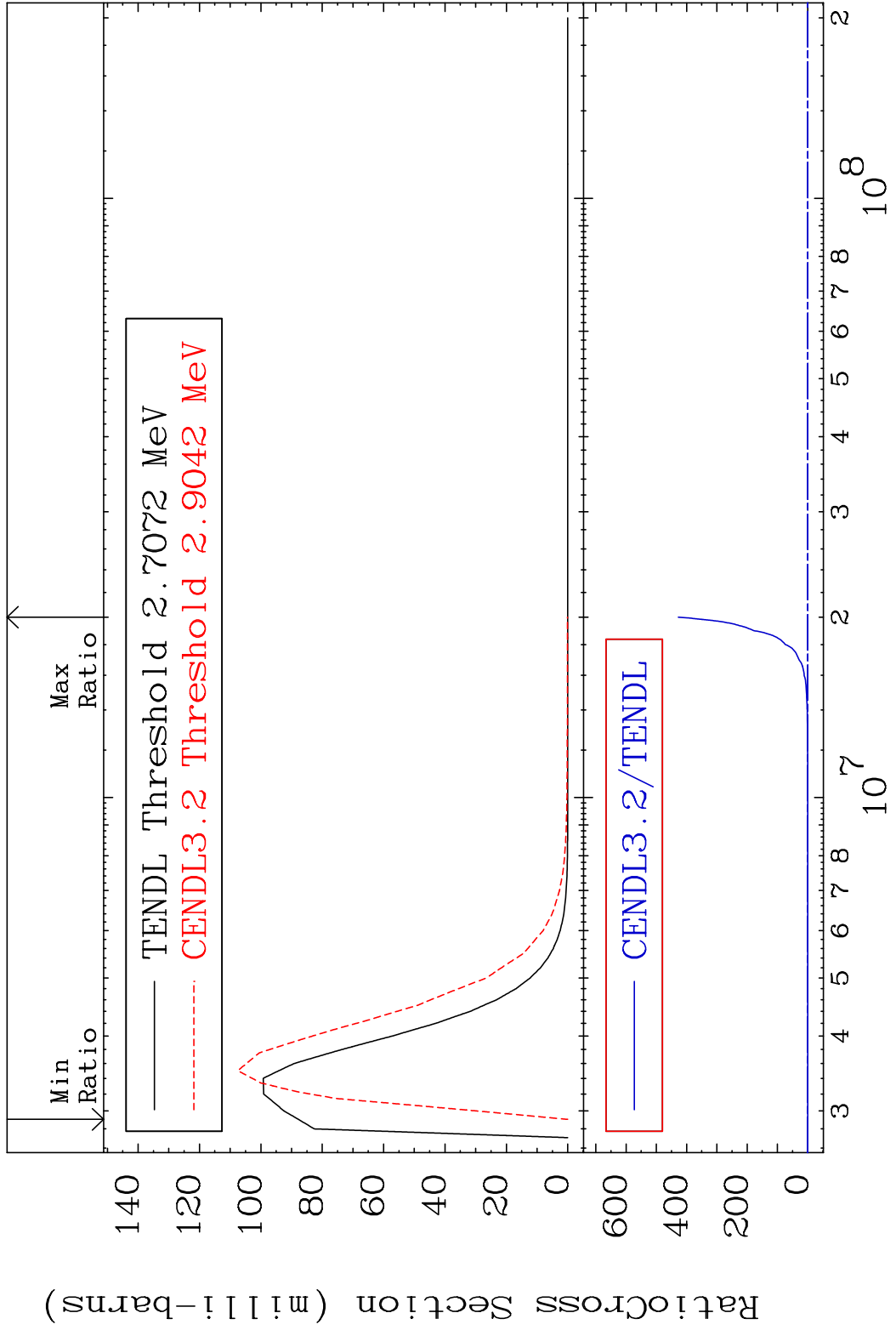
17 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 61 (n, n') Level 62-Sm-144
 Cross Section -100.0 To -44.87%



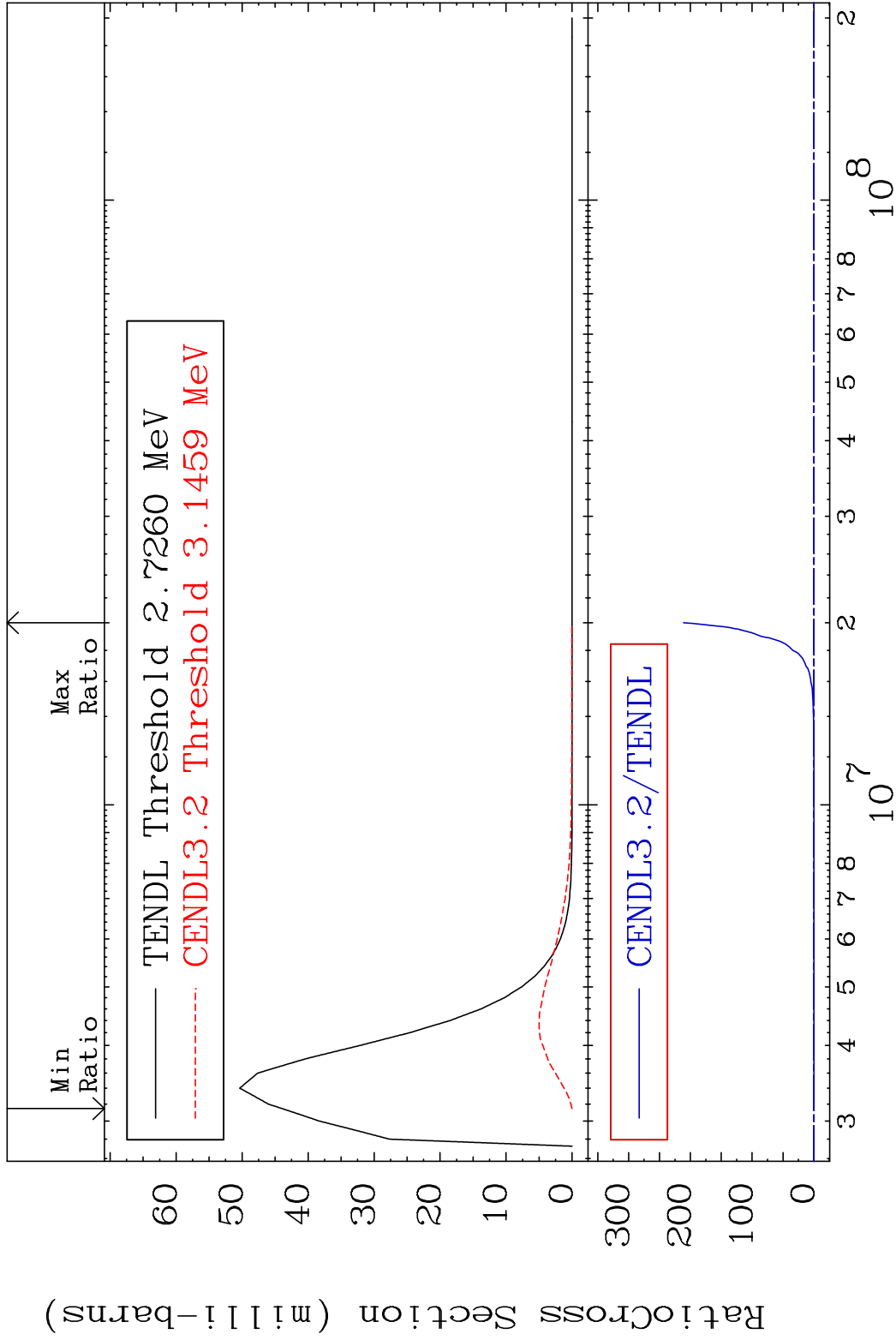
18 Incident Energy (eV) 62-Sm-144

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



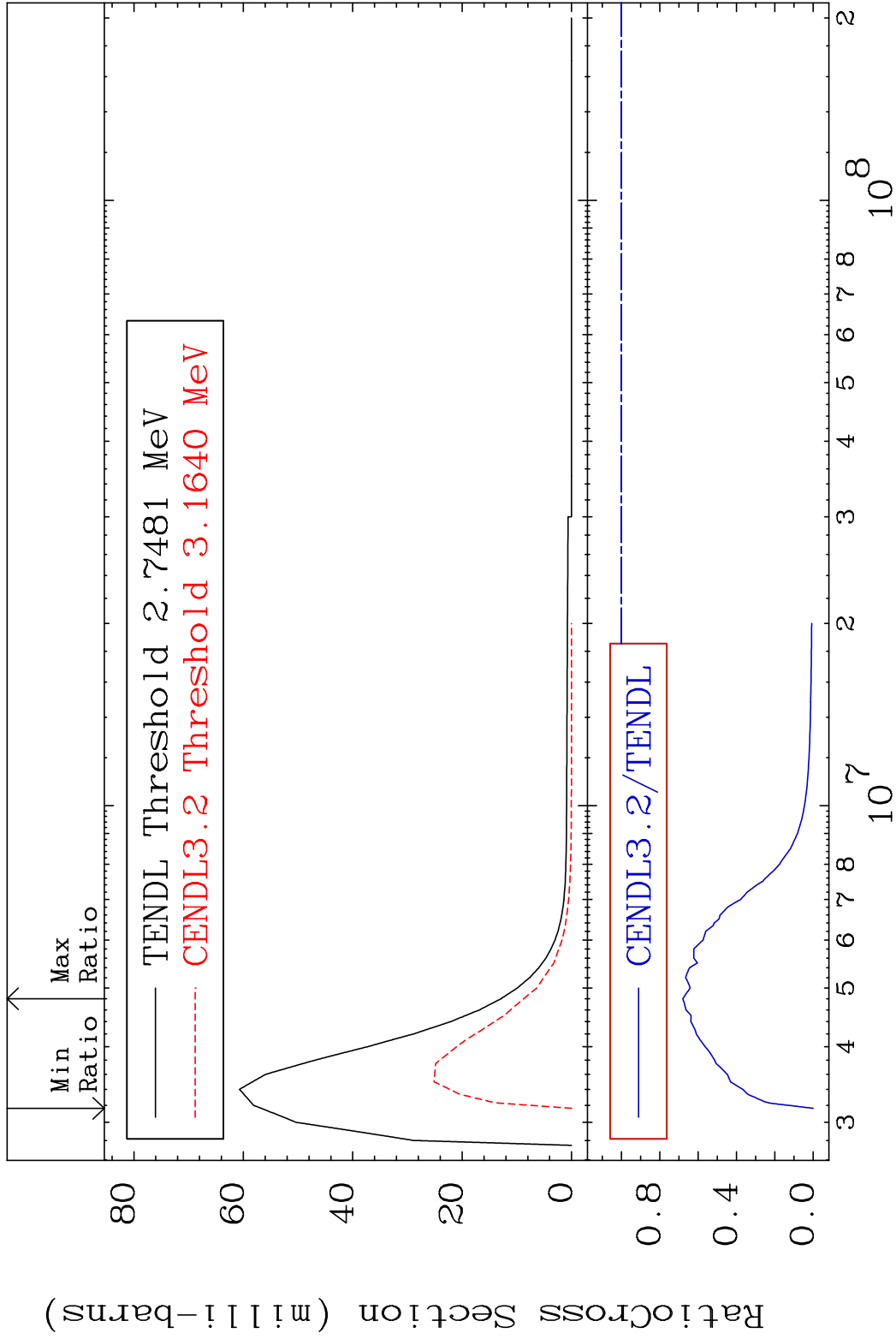
19 Incident Energy (eV) 62-Sm-144

MAT 6225 MT= 63 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 9999. %

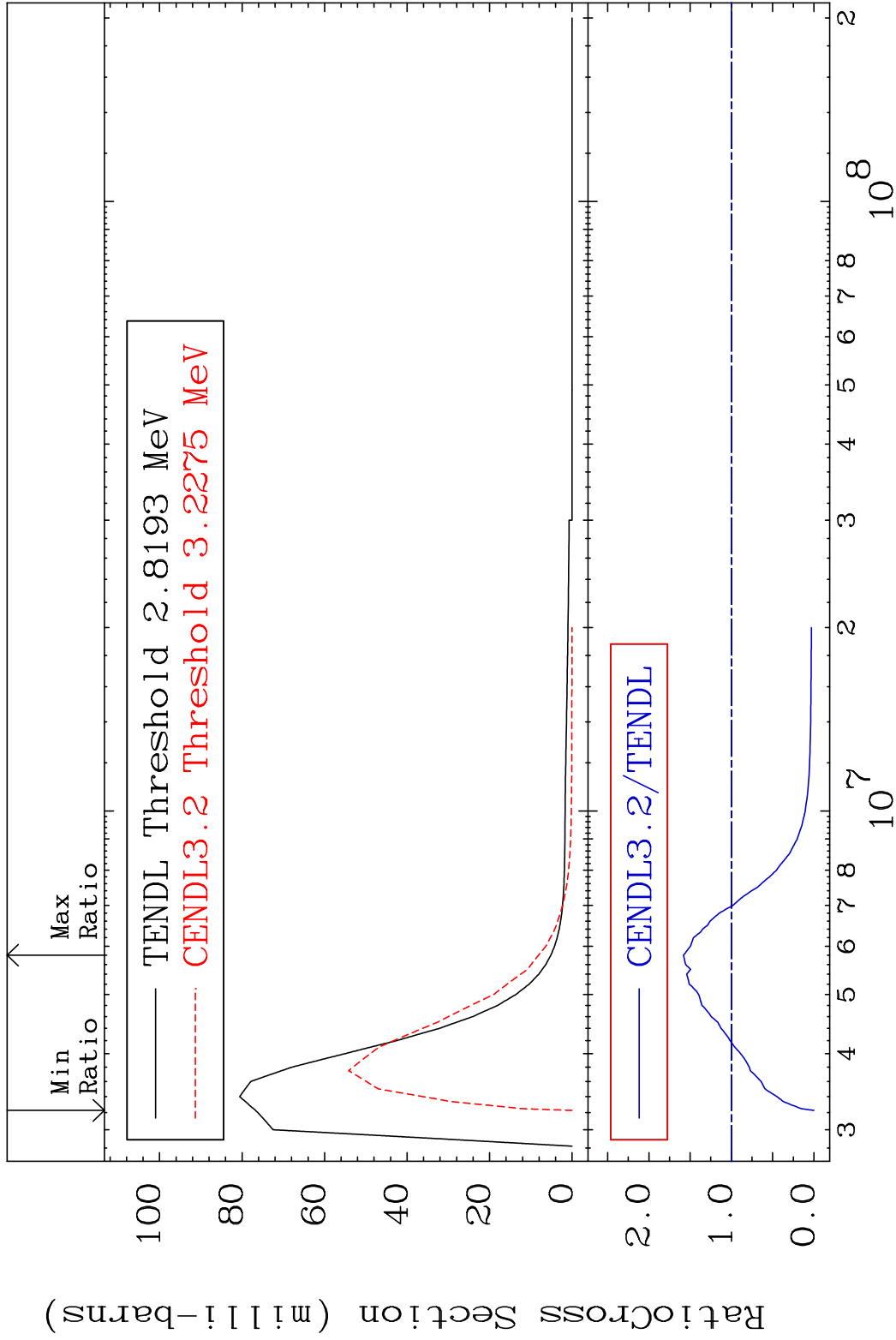


20 62-Sm-144

MAT 6225 MT= 64 (n, n') Level 62-Sm-144
 Cross Section -100.0 To -32.04%

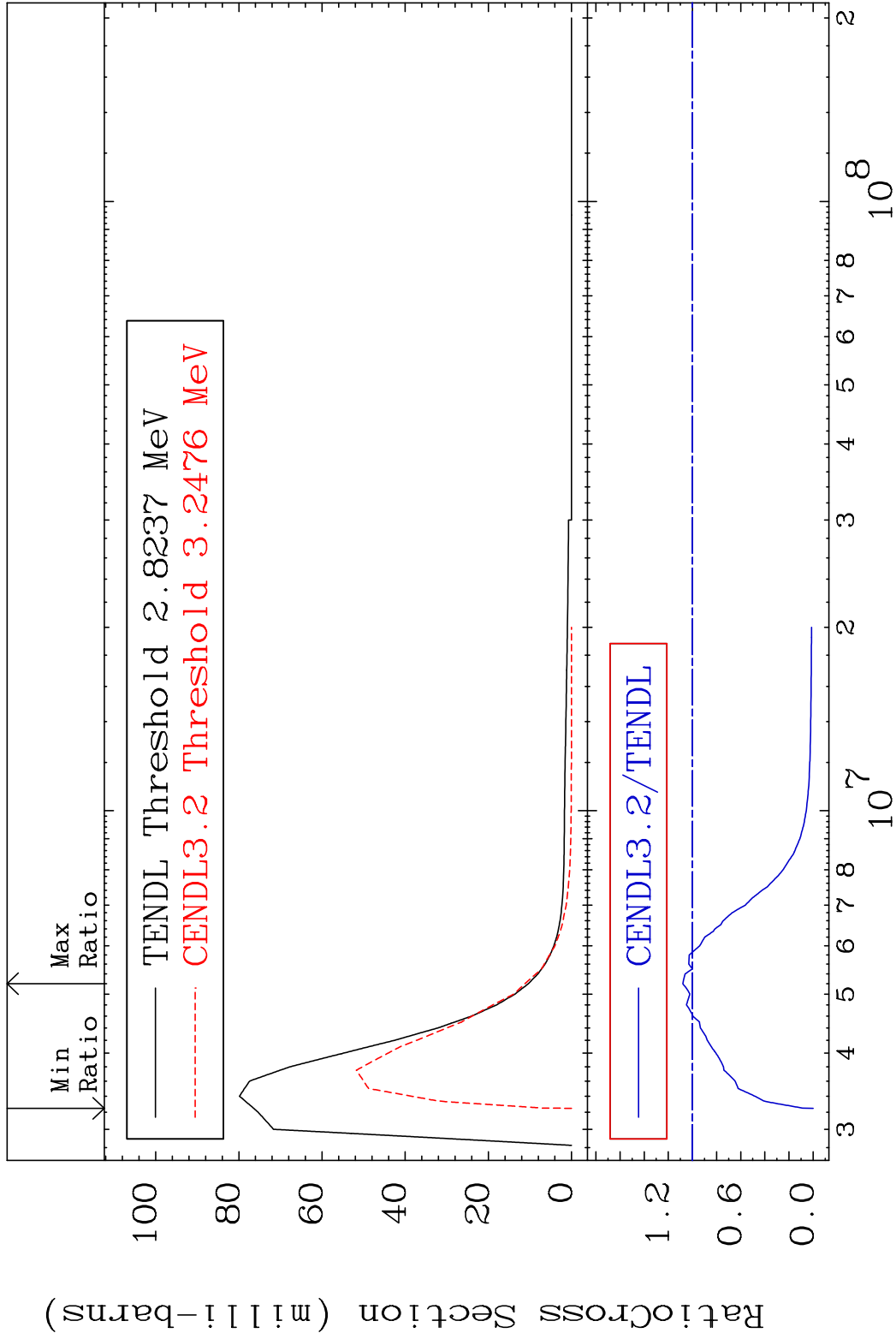


MAT 6225 MT= 65 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 58.14 %



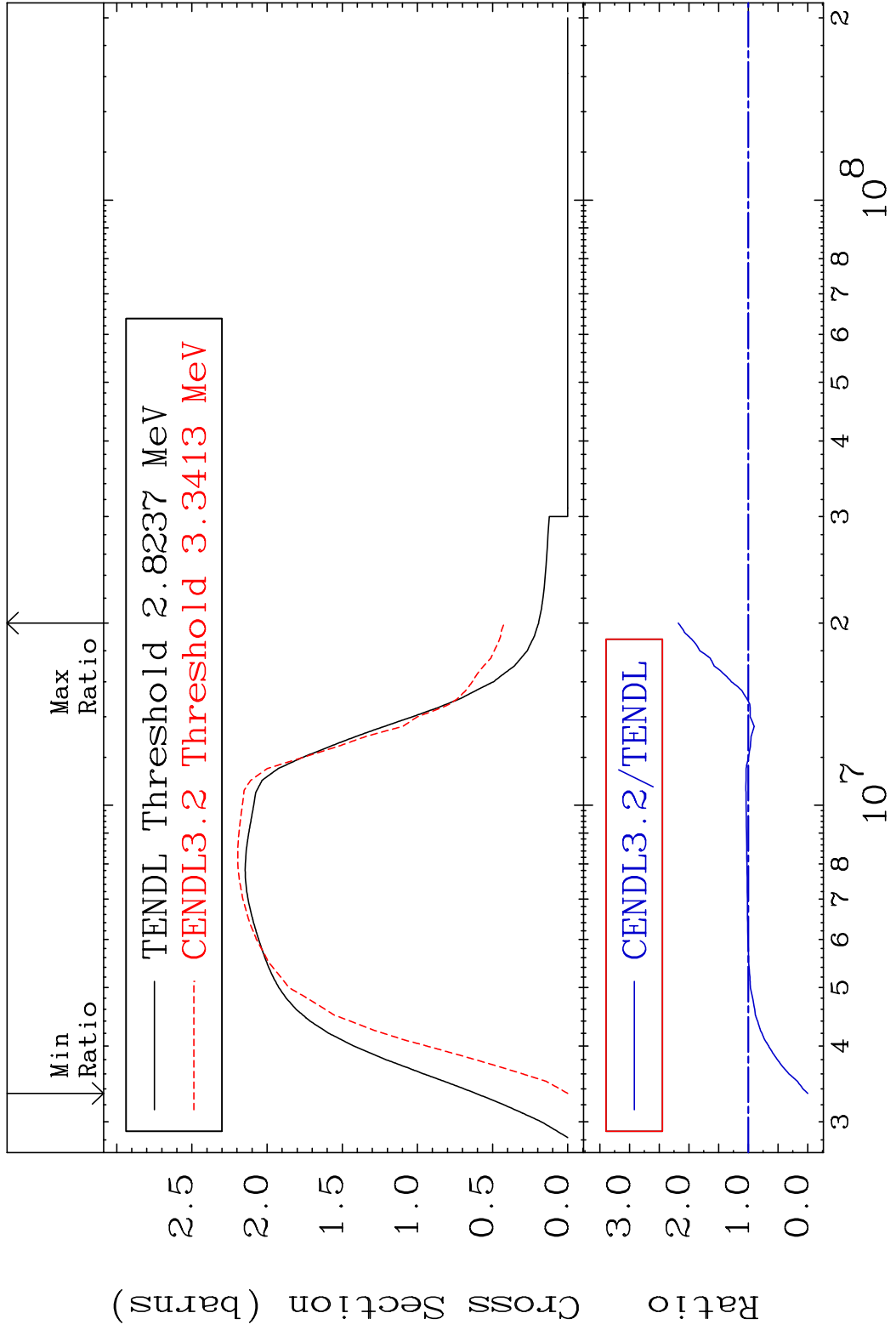
22 Incident Energy (eV) 62-Sm-144

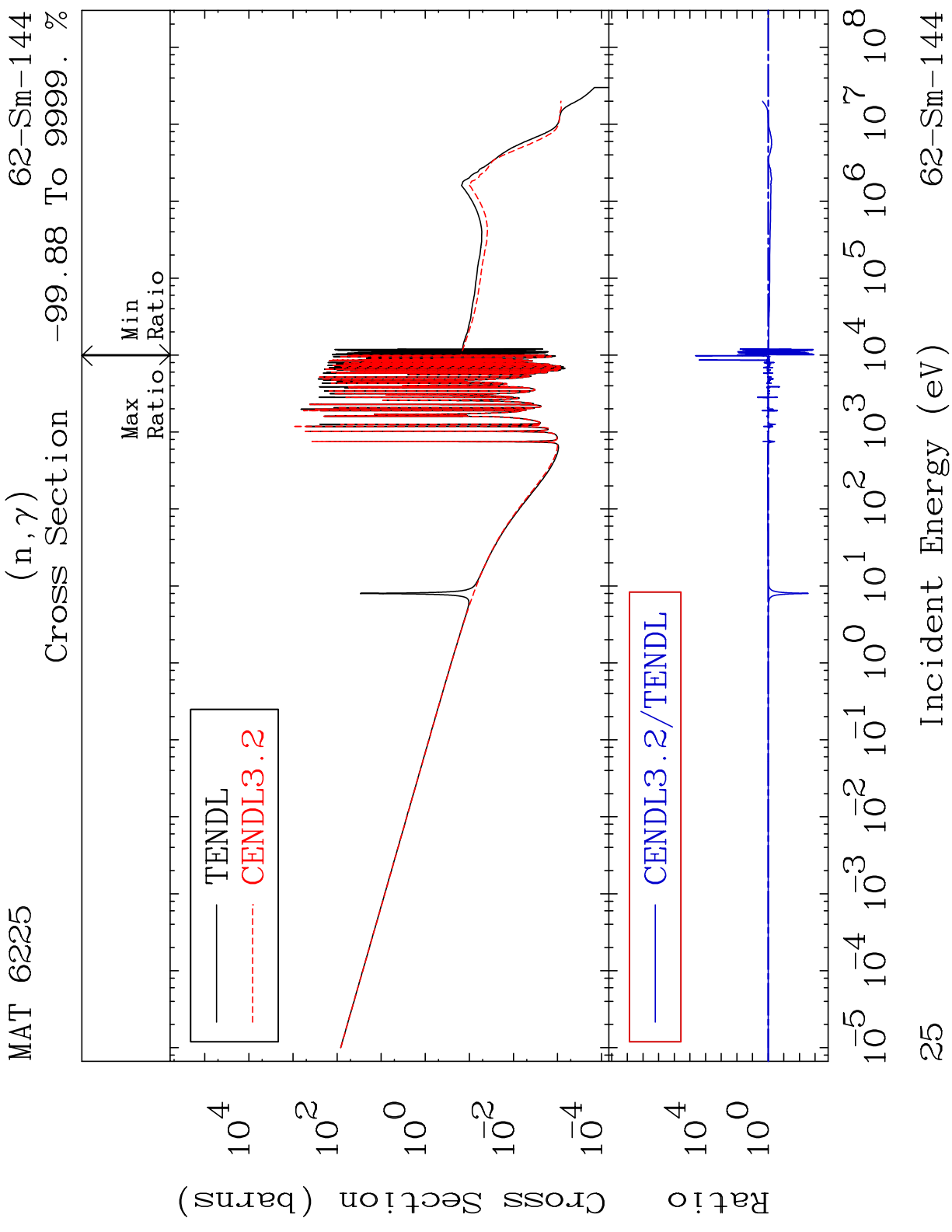
MAT 6225 MT= 66 (n, n') Level 62-Sm-144
 Cross Section -100.0 To 7.975 %



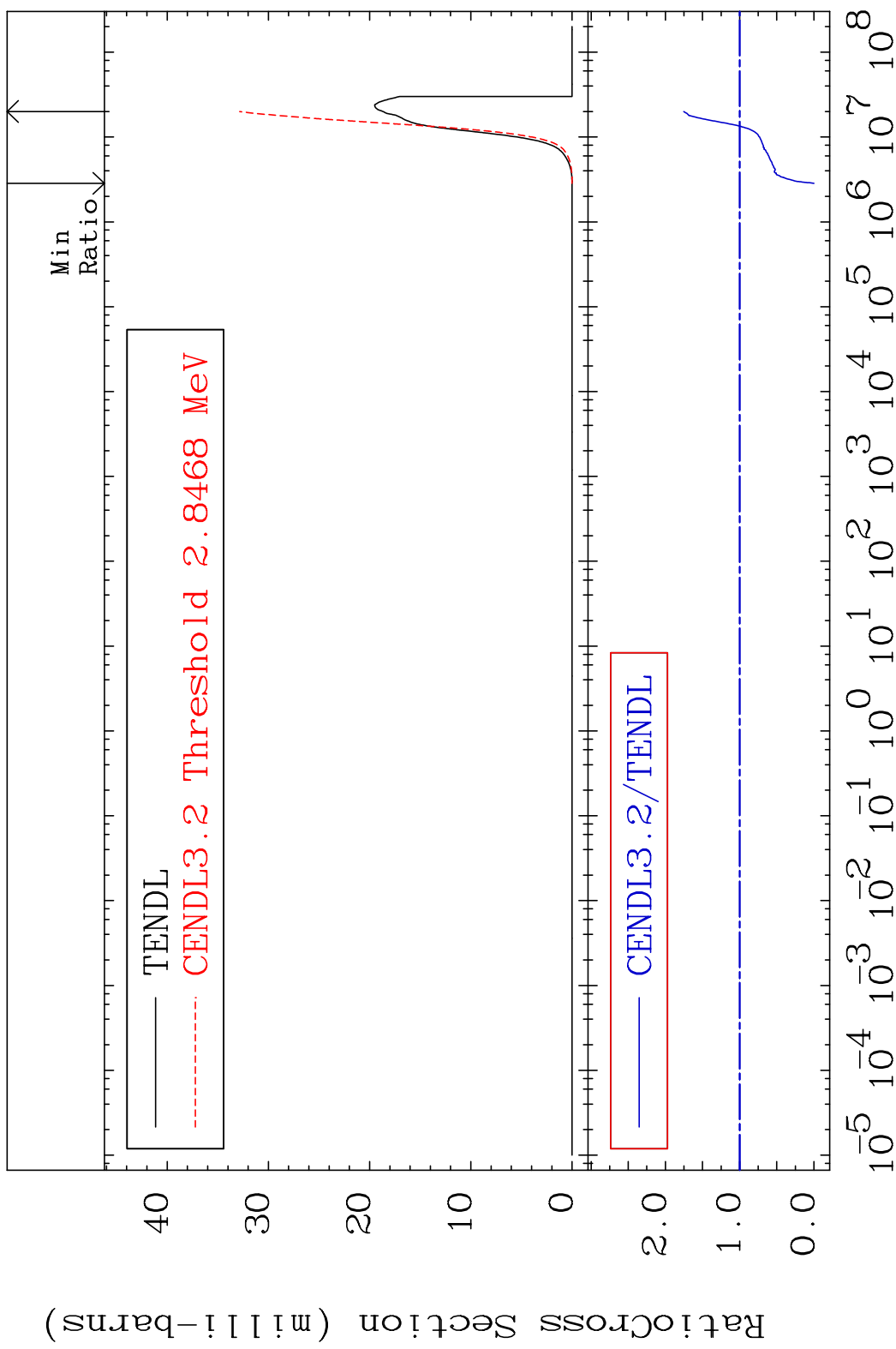
23 62-Sm-144

MAT 6225 (n, n') Continuum 62-Sm-144
 Cross Section -100.0 To 117.9 %

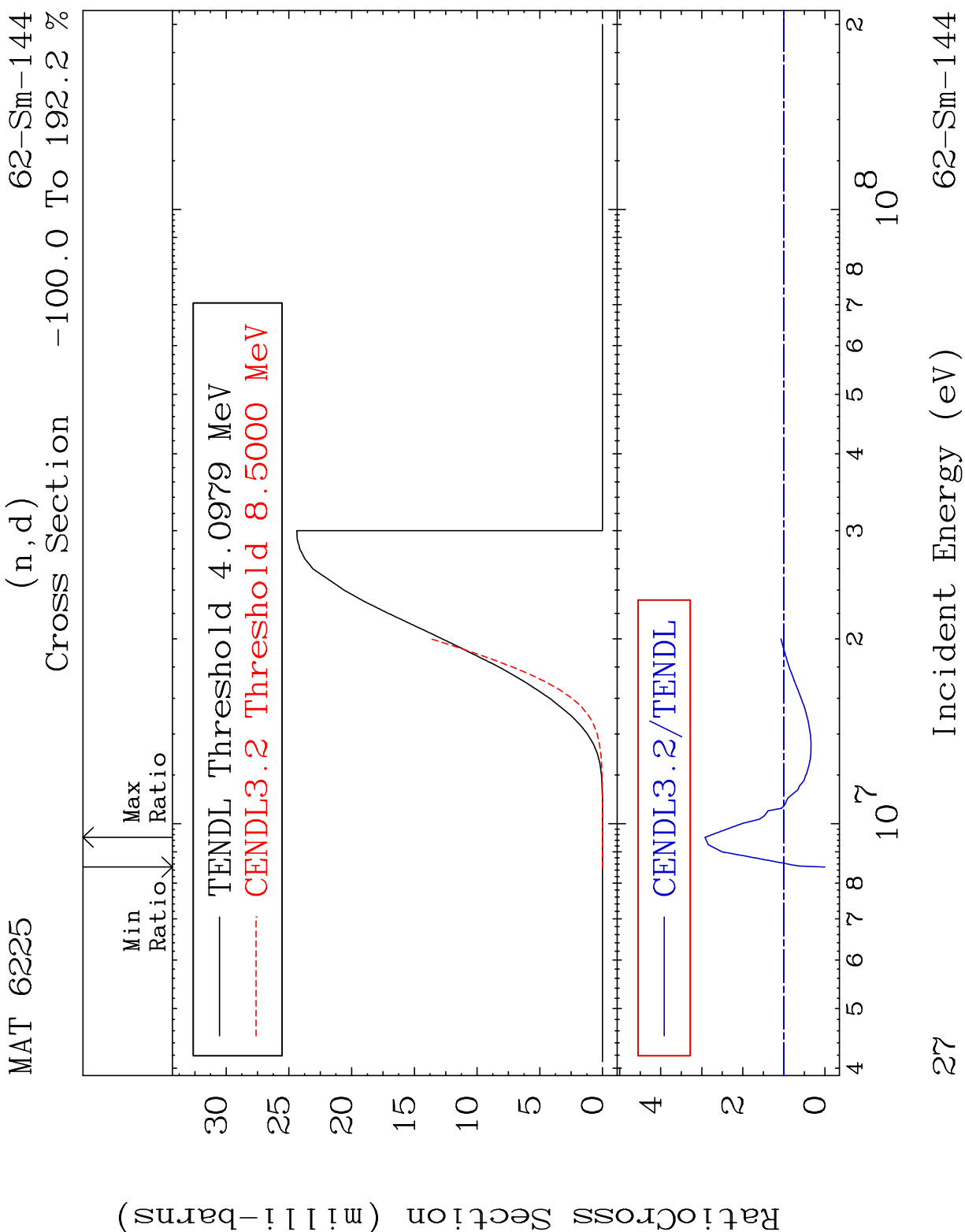




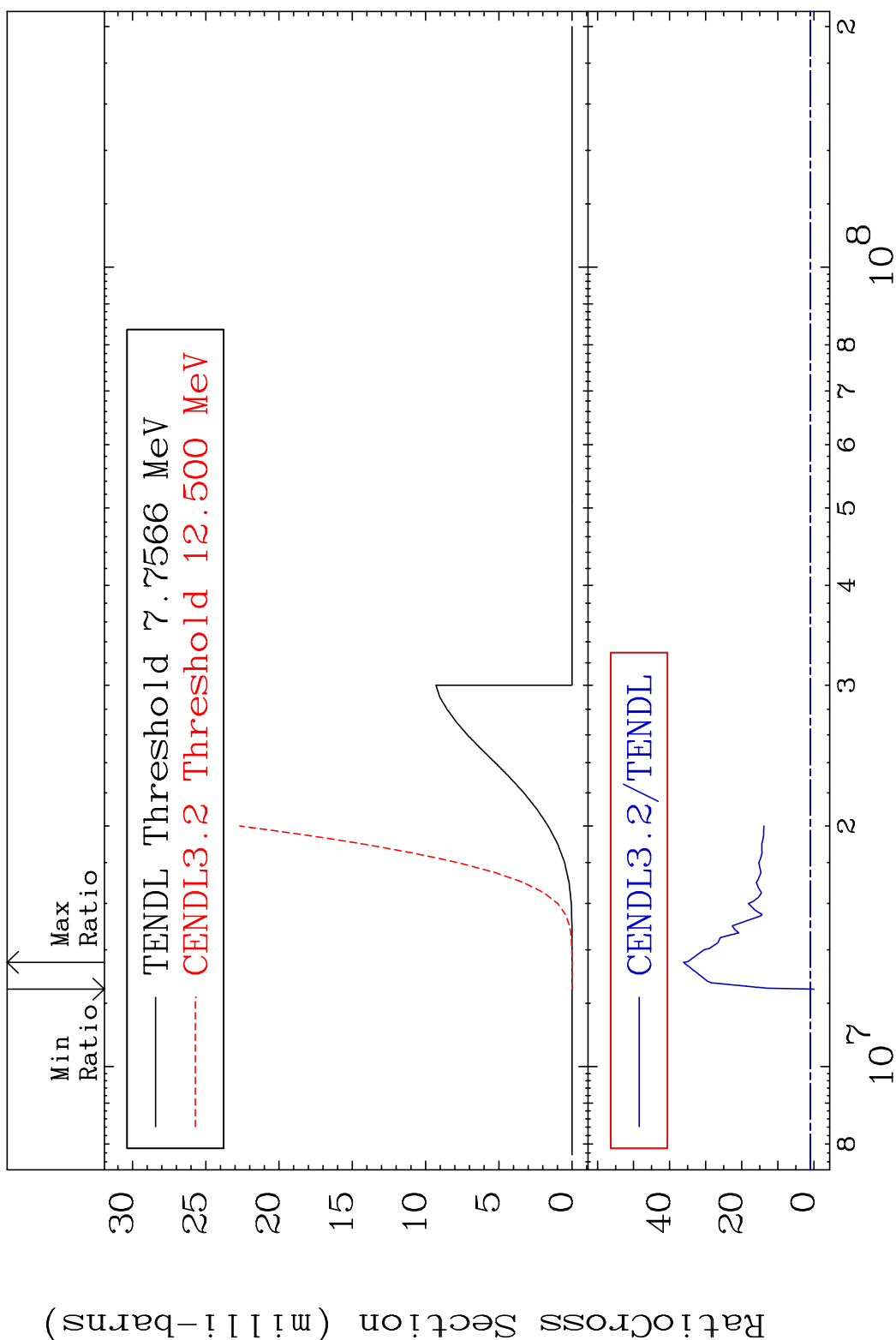
MAT 6225 (n, p) 62-Sm-144
 Cross Section -100.0 To 75.66 %



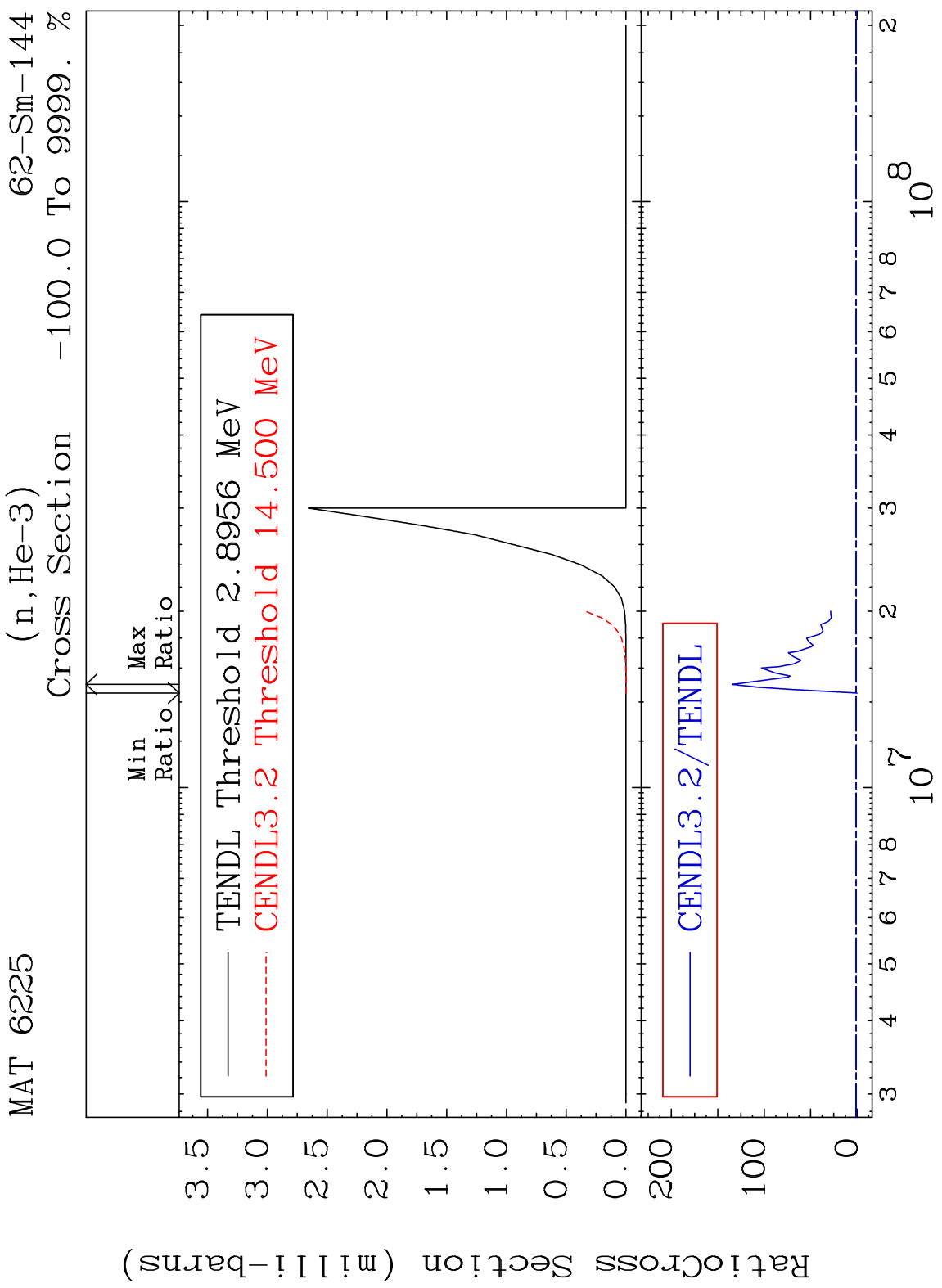
26 Incident Energy (eV) 62-Sm-144



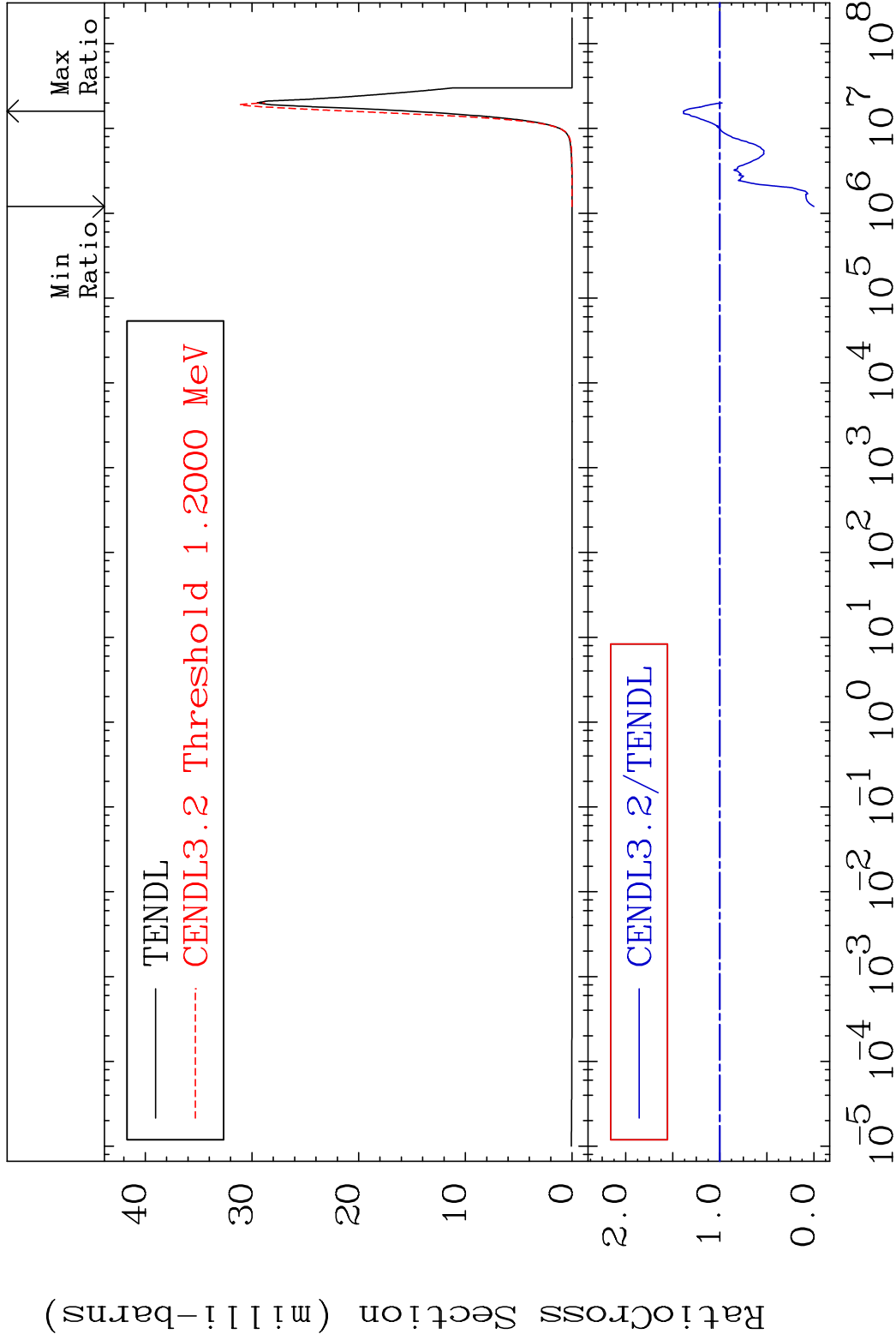
MAT 6225 (n, t) 62-Sm-144
 Cross Section -100.0 To 3517. %



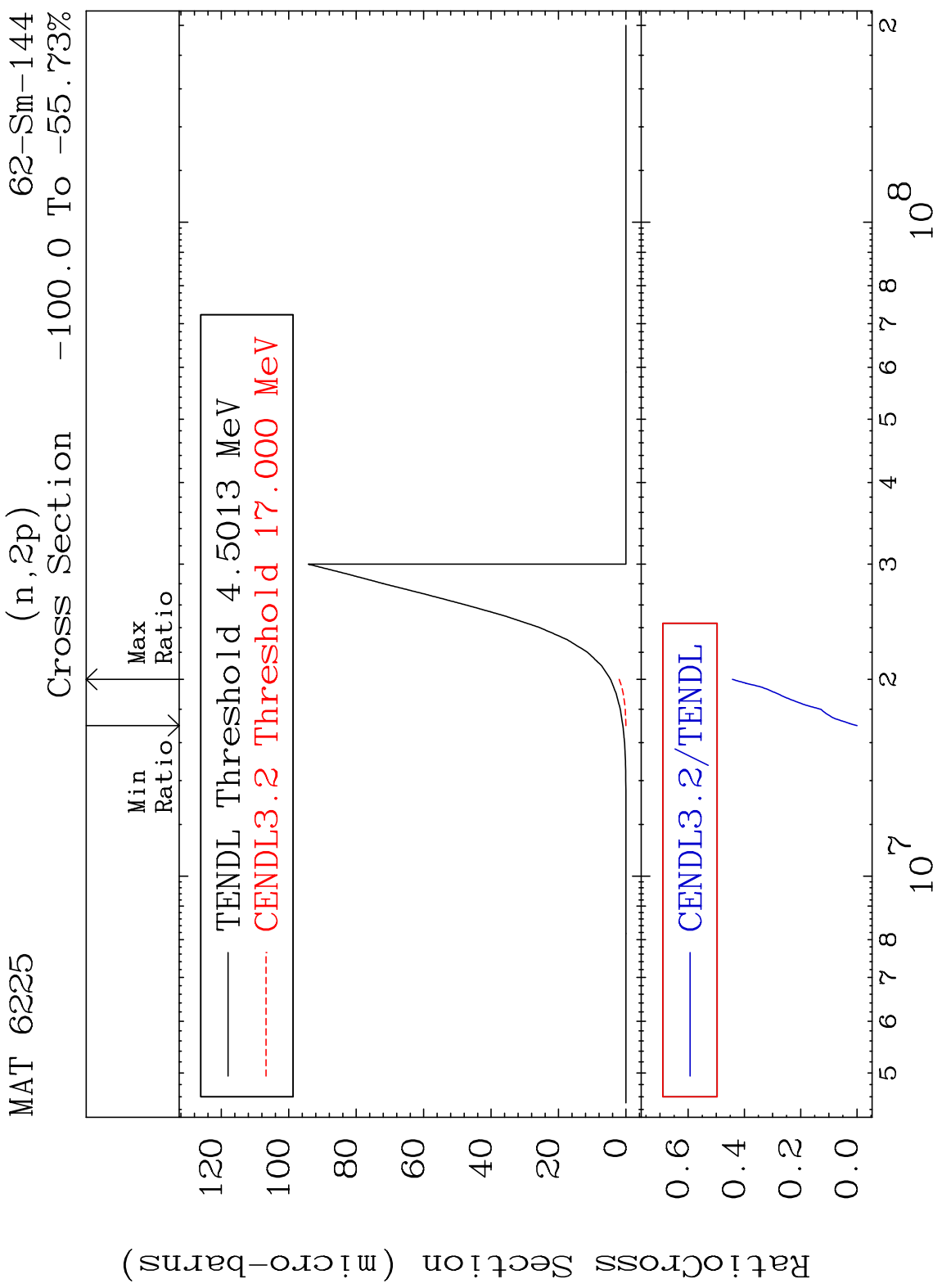
28 62-Sm-144



MAT 6225 (n, α) 62-Sm-144
 Cross Section -100.0 To 38.64 %



30 Incident Energy (eV) 62-Sm-144

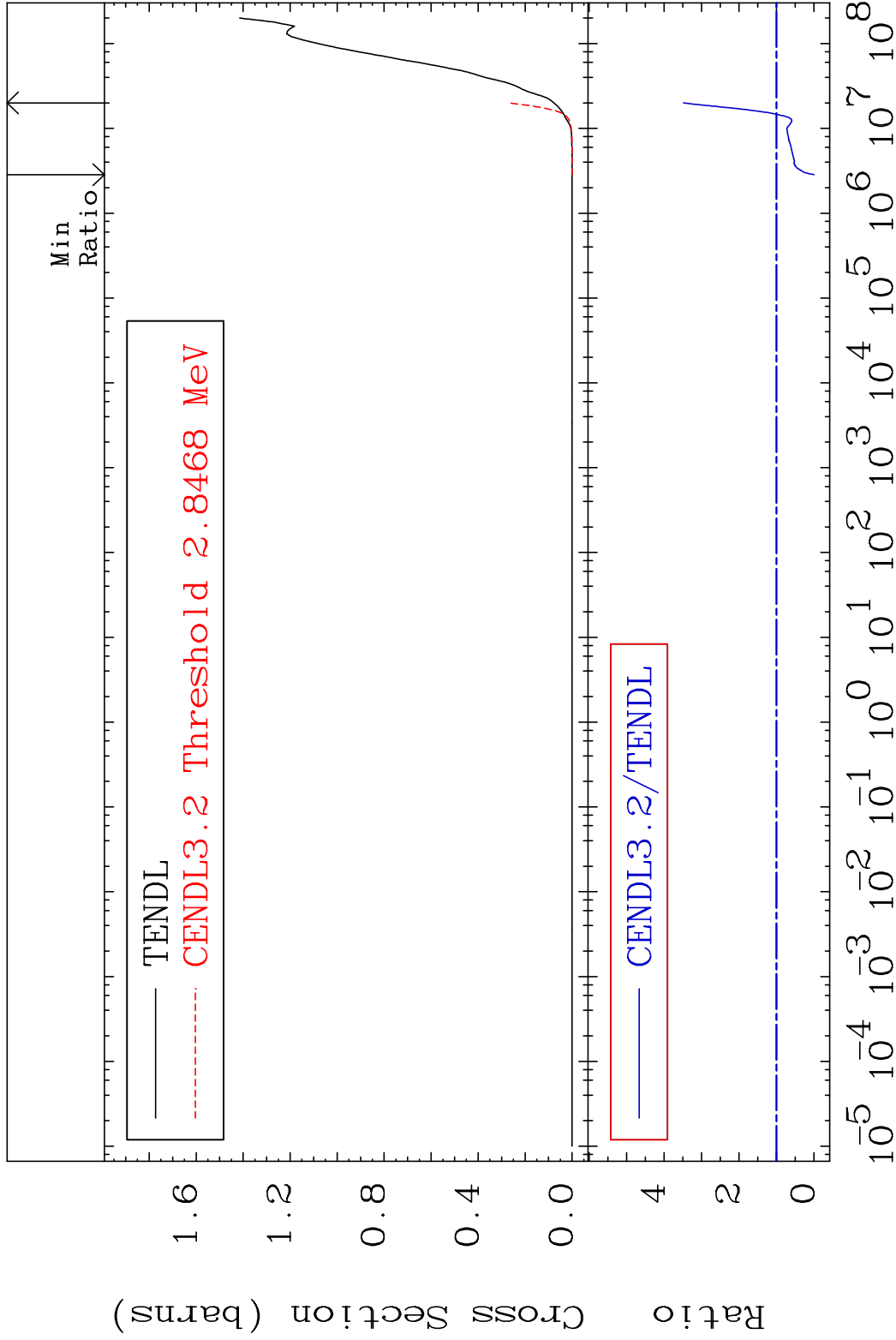


MAT 6225

Hydrogen Production

62-Sm-144

Cross Section -100.0 To 248.3 %

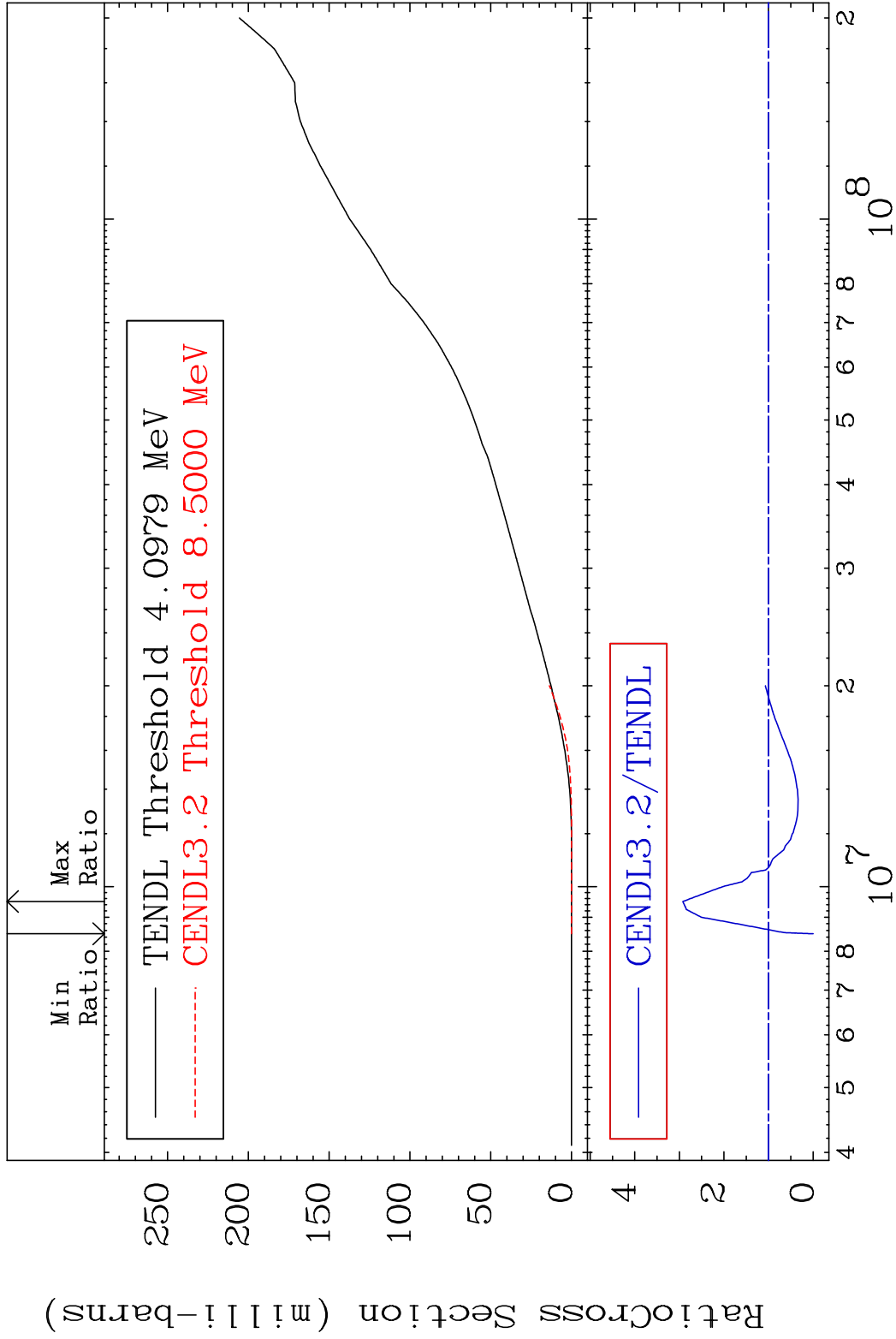


32

Incident Energy (eV)

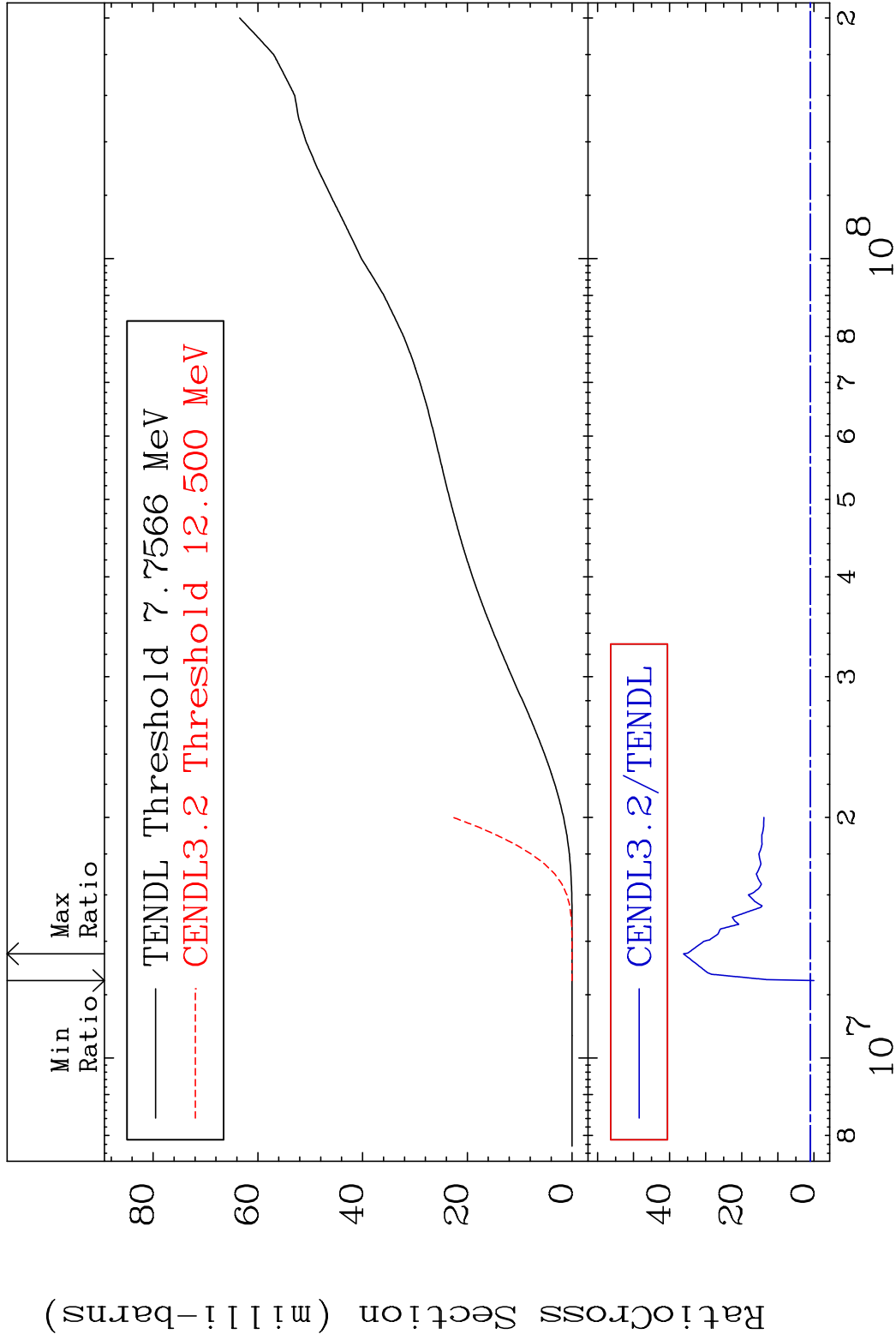
62-Sm-144

MAT 6225 Deuterium Production 62-Sm-144
 Cross Section -100.0 To 192.2 %



33 Incident Energy (eV) 62-Sm-144

MAT 6225 Tritium Production 62-Sm-144
 Cross Section -100.0 To 3517. %



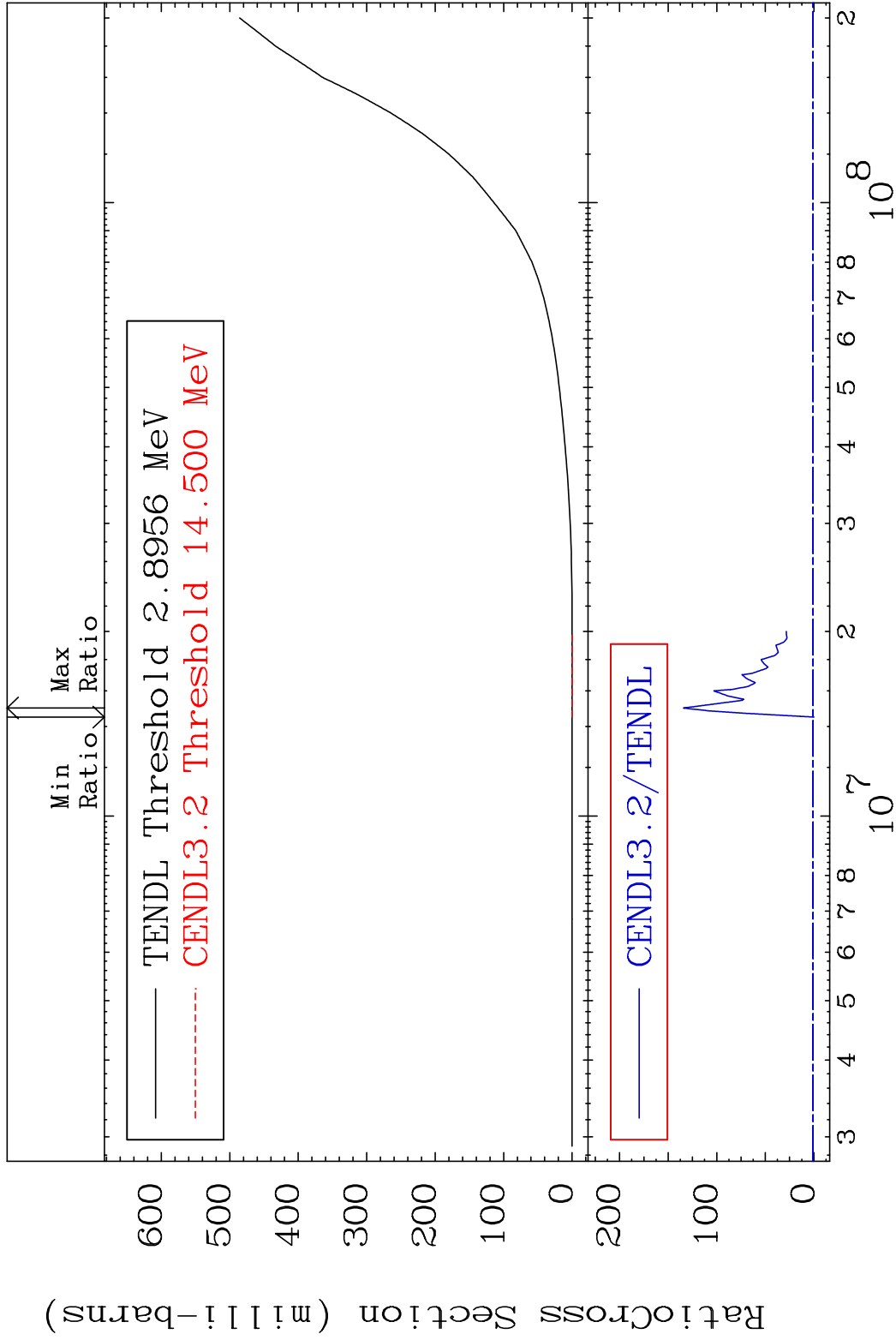
34 Incident Energy (eV) 62-Sm-144

MAT 6225

He-3 Production

62-Sm-144

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

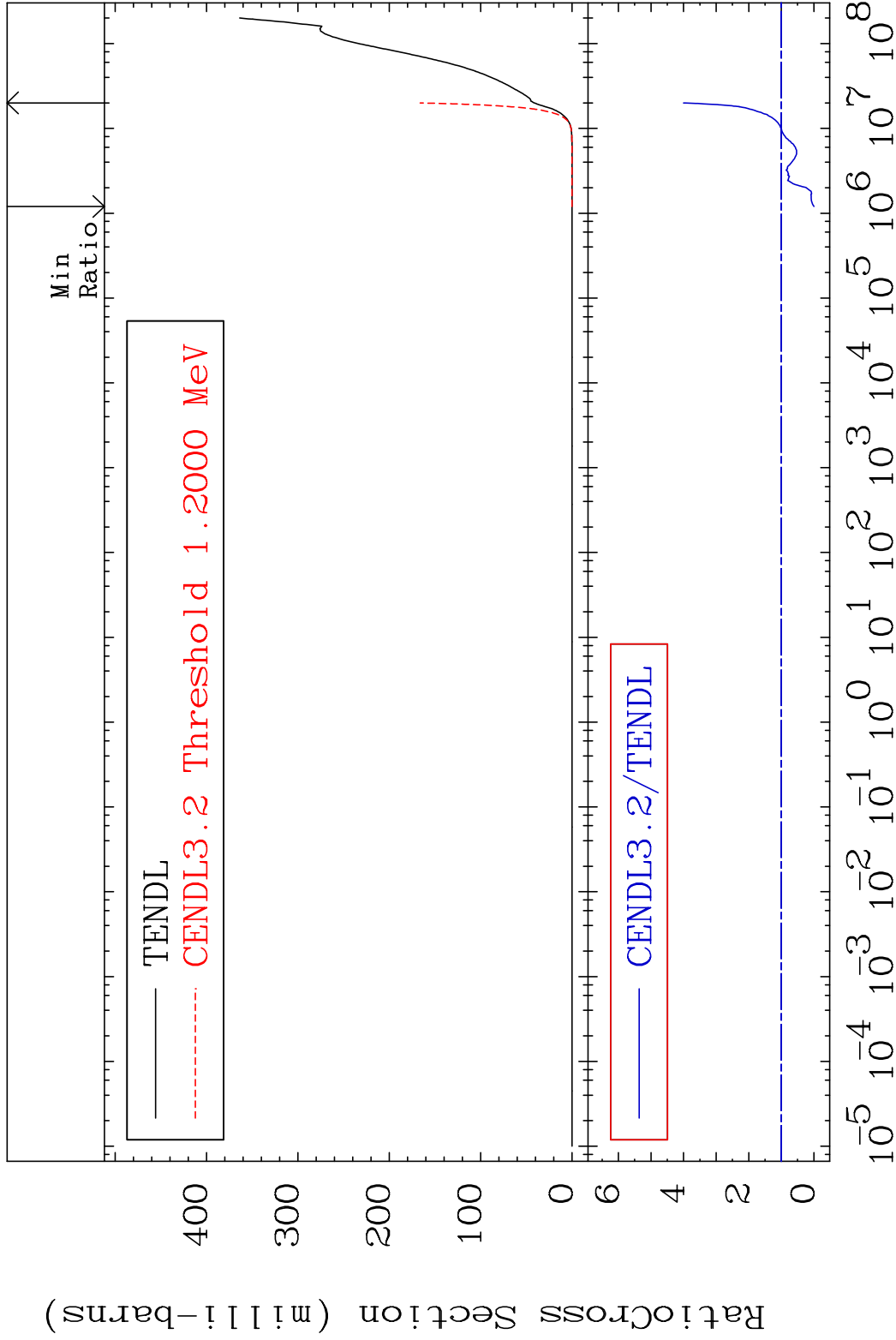
62-Sm-144

MAT 6225

He-4 Production

62-Sm-144

Cross Section -100.0 To 300.3 %

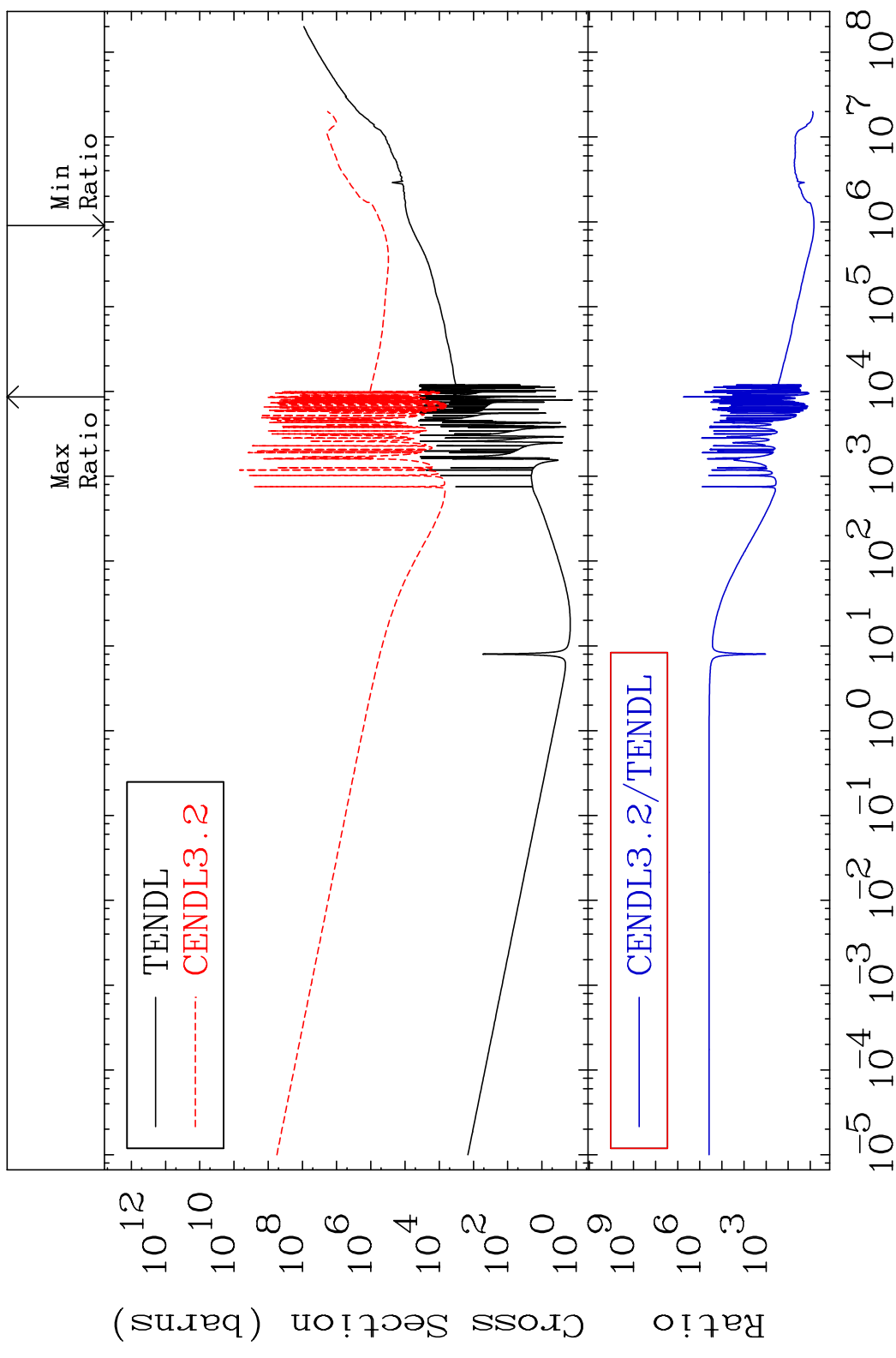


36

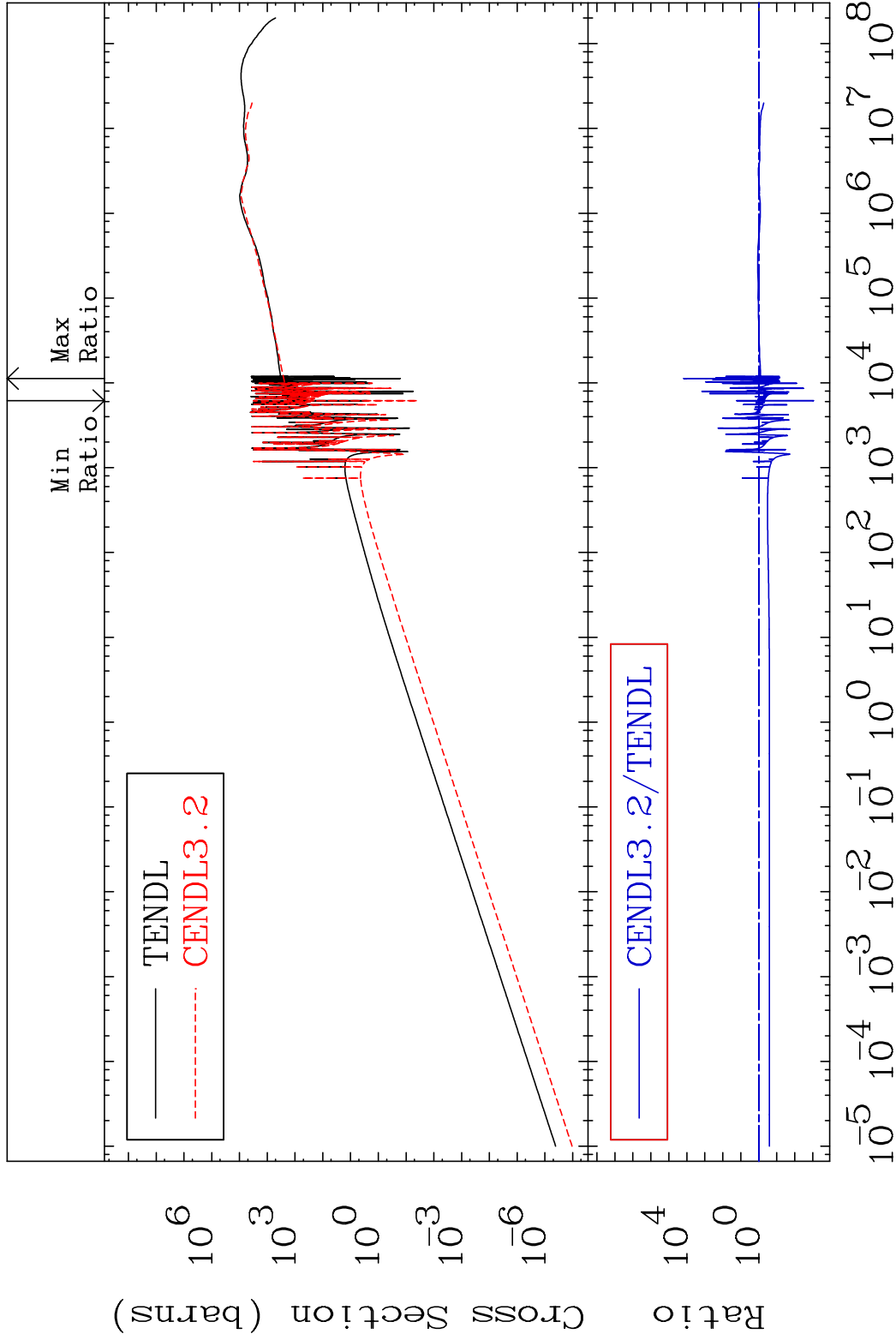
Incident Energy (eV)

62-Sm-144

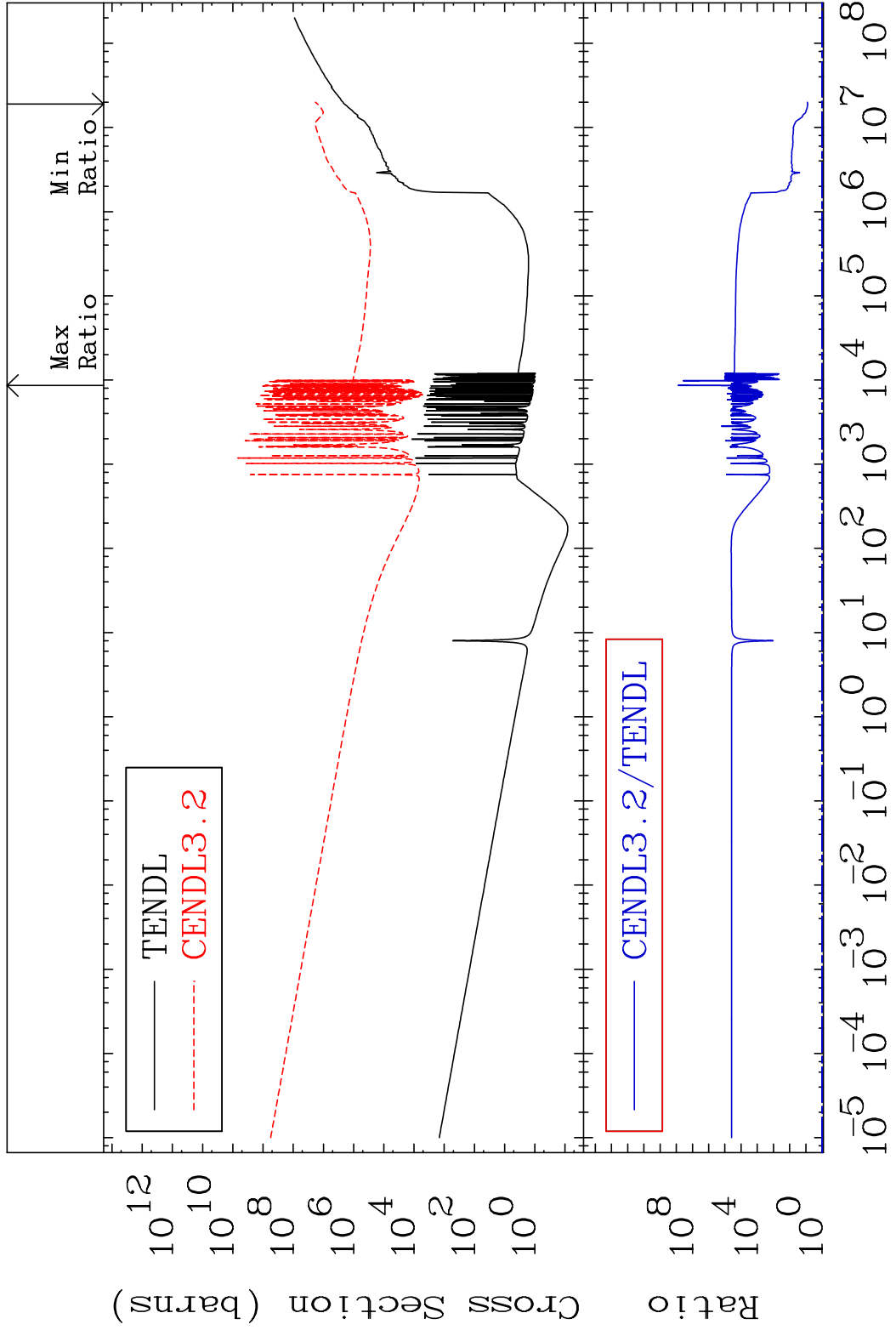
MAT 6225 Kerma total (eV-barns) 62-Sm-144
 Cross Section 588.7 To 9999. %



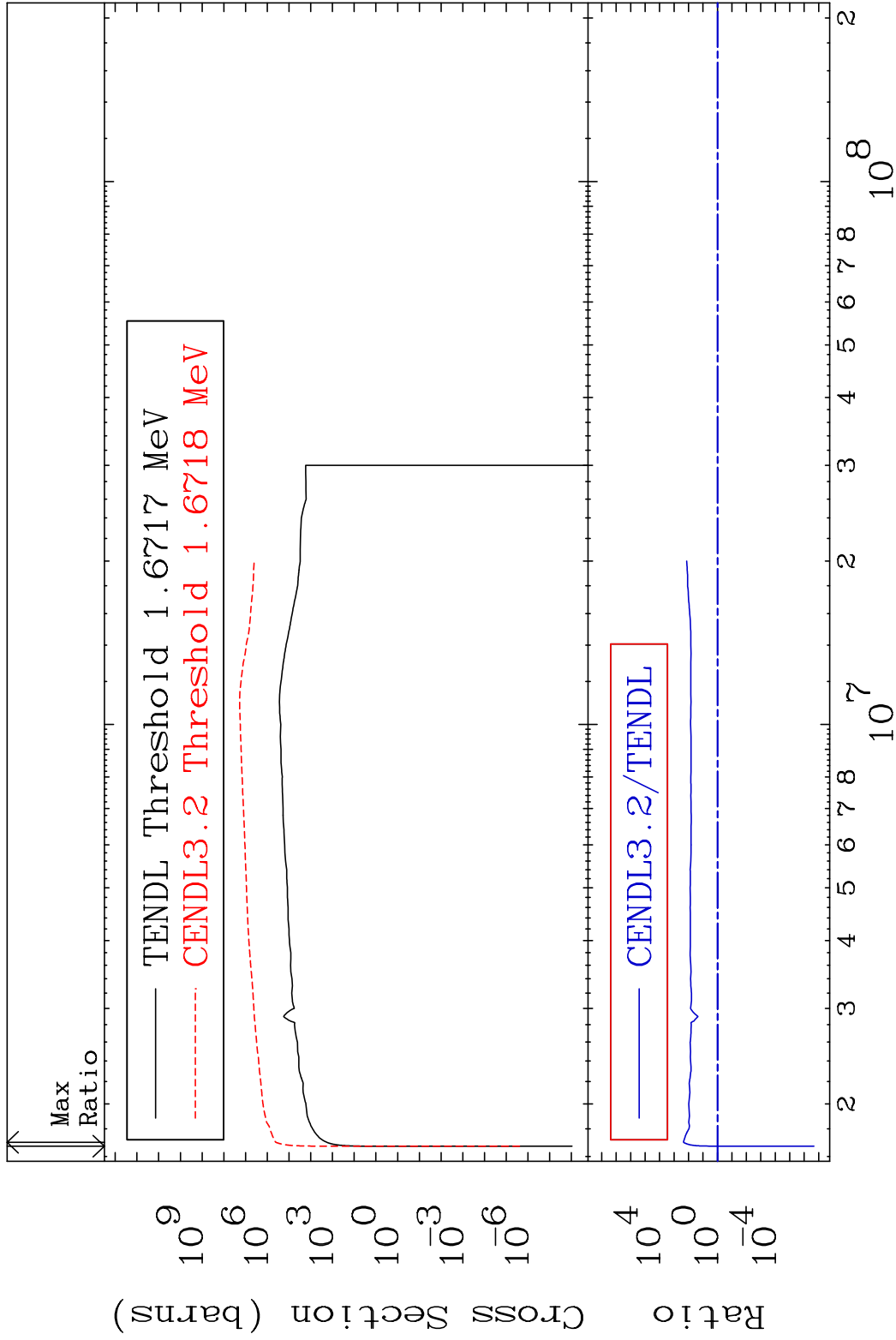
MAT 6225 Kerma elastic 62-Sm-144
 Cross Section -99.91 To 9999. %



MAT 6225 Kerma non-elastic (all but mt2) 62-Sm-144
 Cross Section 670.2 To 9999. %

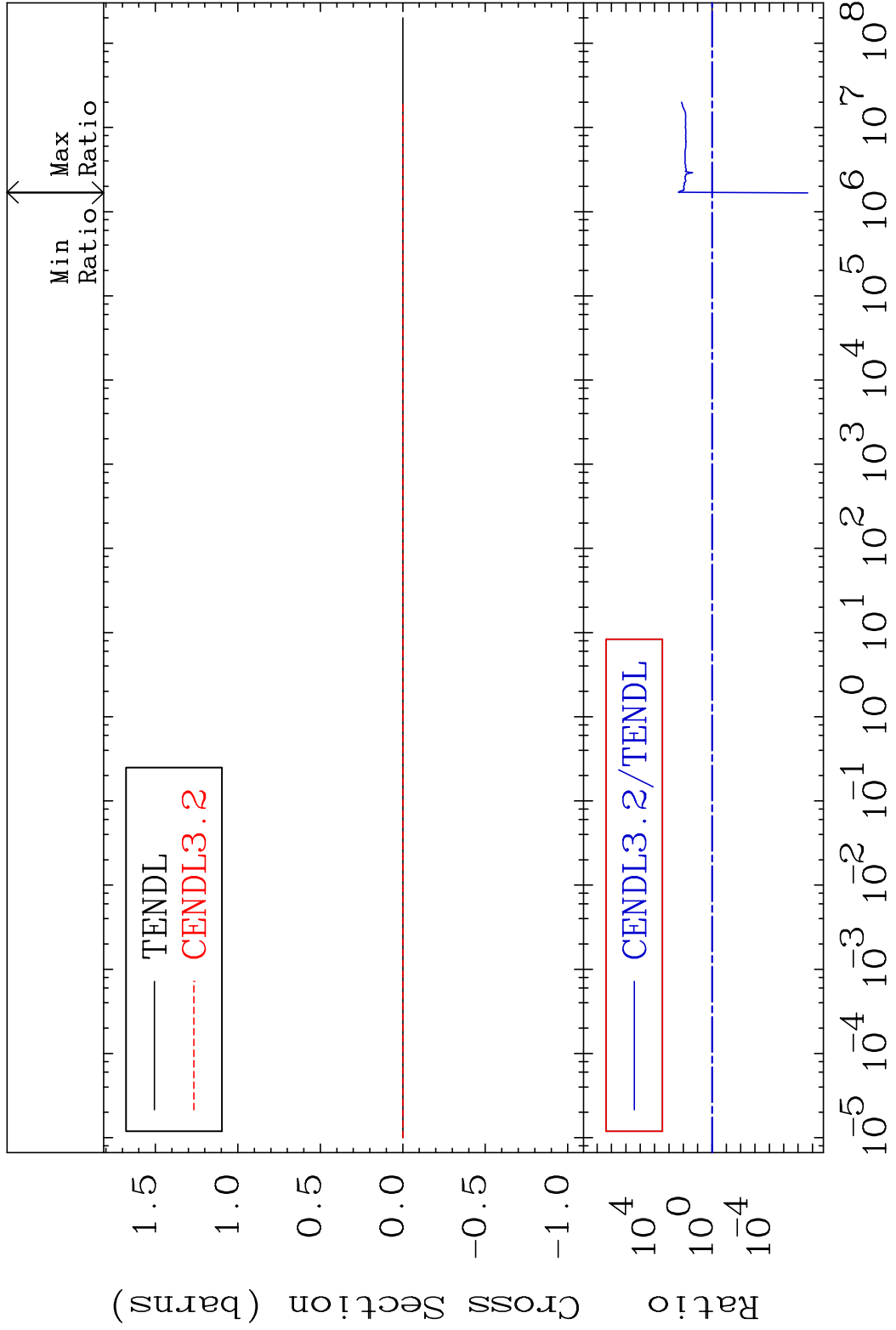


MAT 6225 Kerma inelastic (mt51-91) 62-Sm-144
 Cross Section -100.0 To 9999. %

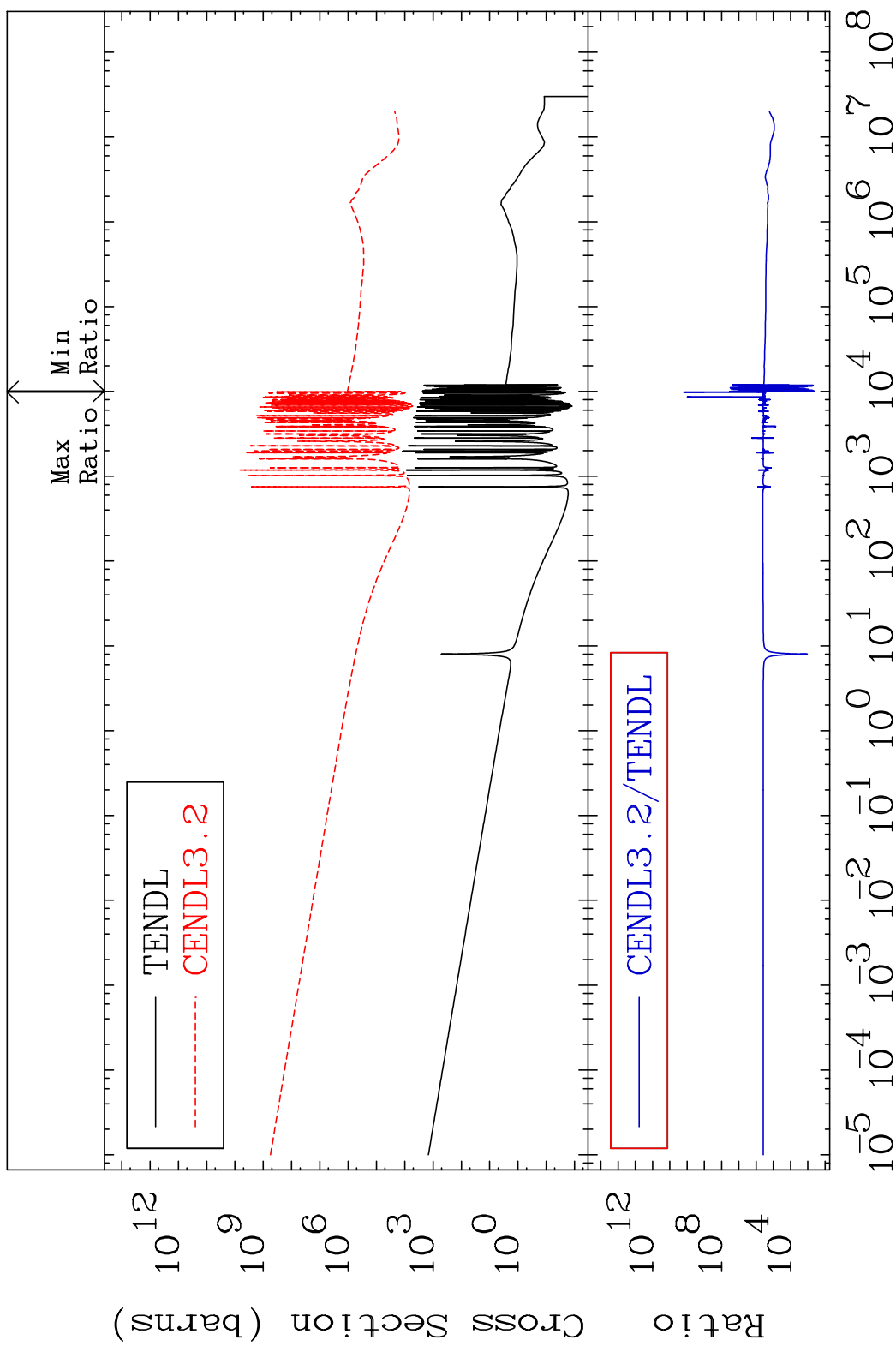


40 Incident Energy (eV) 62-Sm-144

MAT 6225 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-144
 Cross Section -100.0 To 9999. %

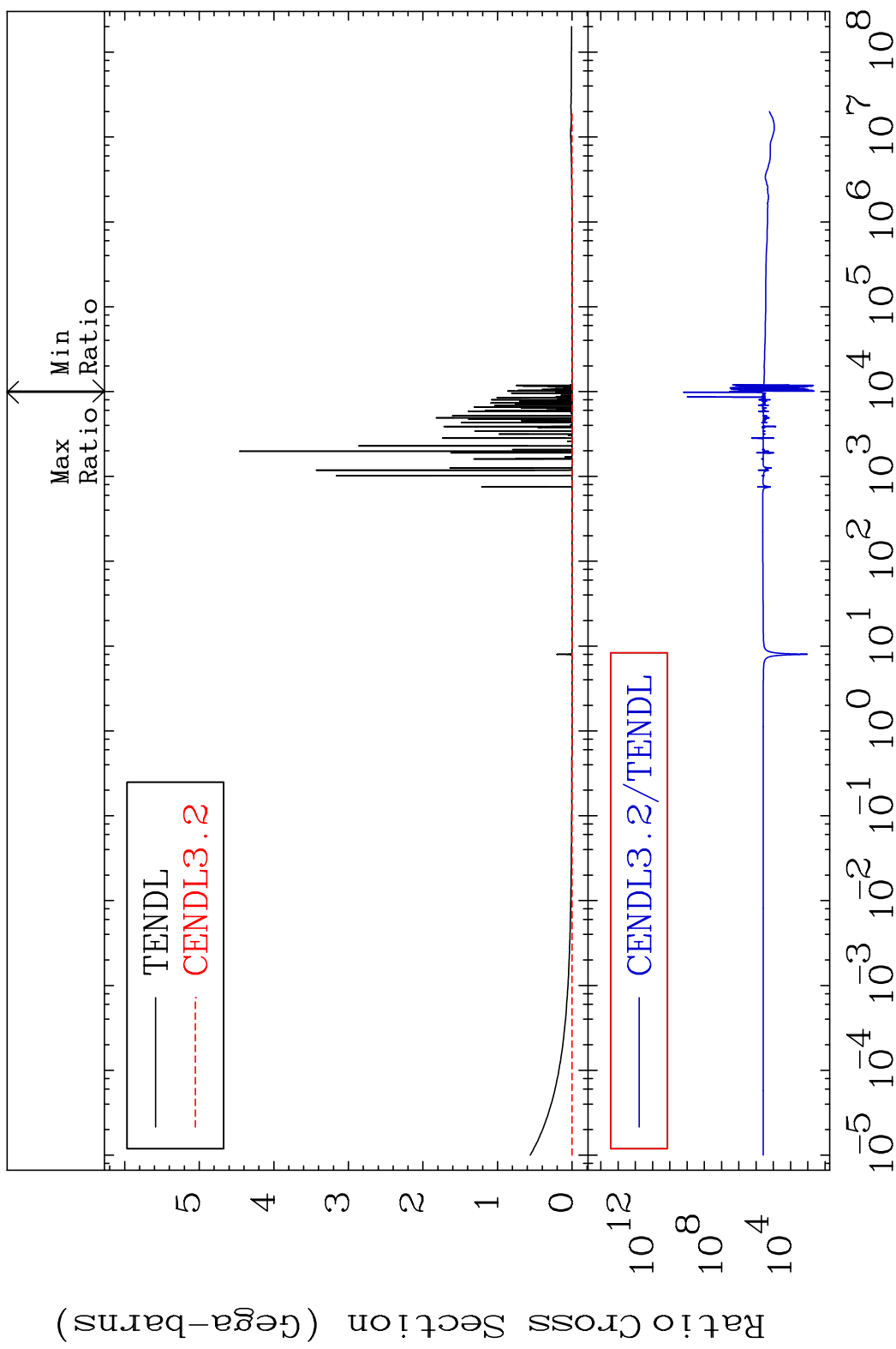


MAT 6225 Kerma capture (mt102) 62-Sm-144
 Cross Section 9999. To 9999. %



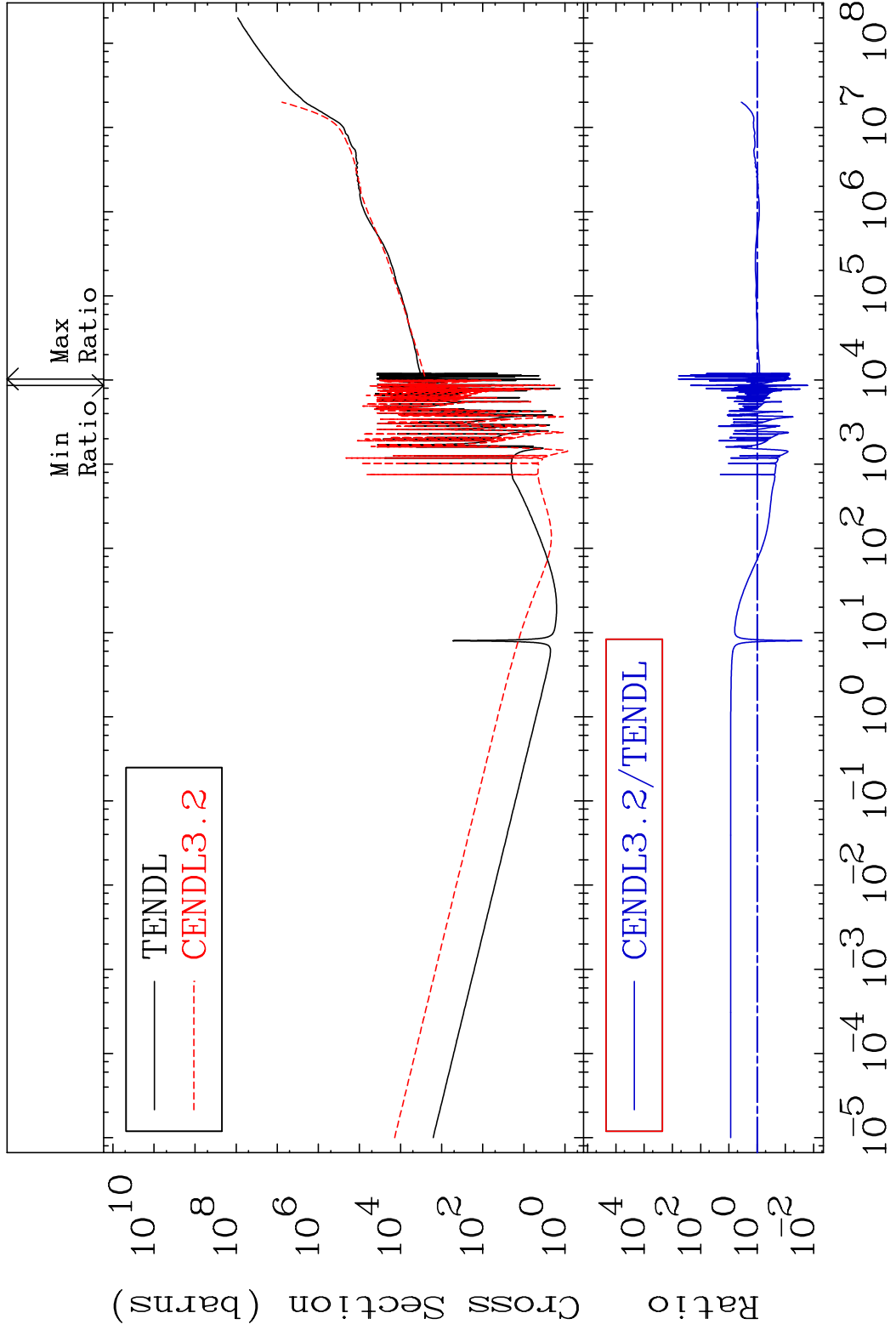
42 Incident Energy (eV) 62-Sm-144

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

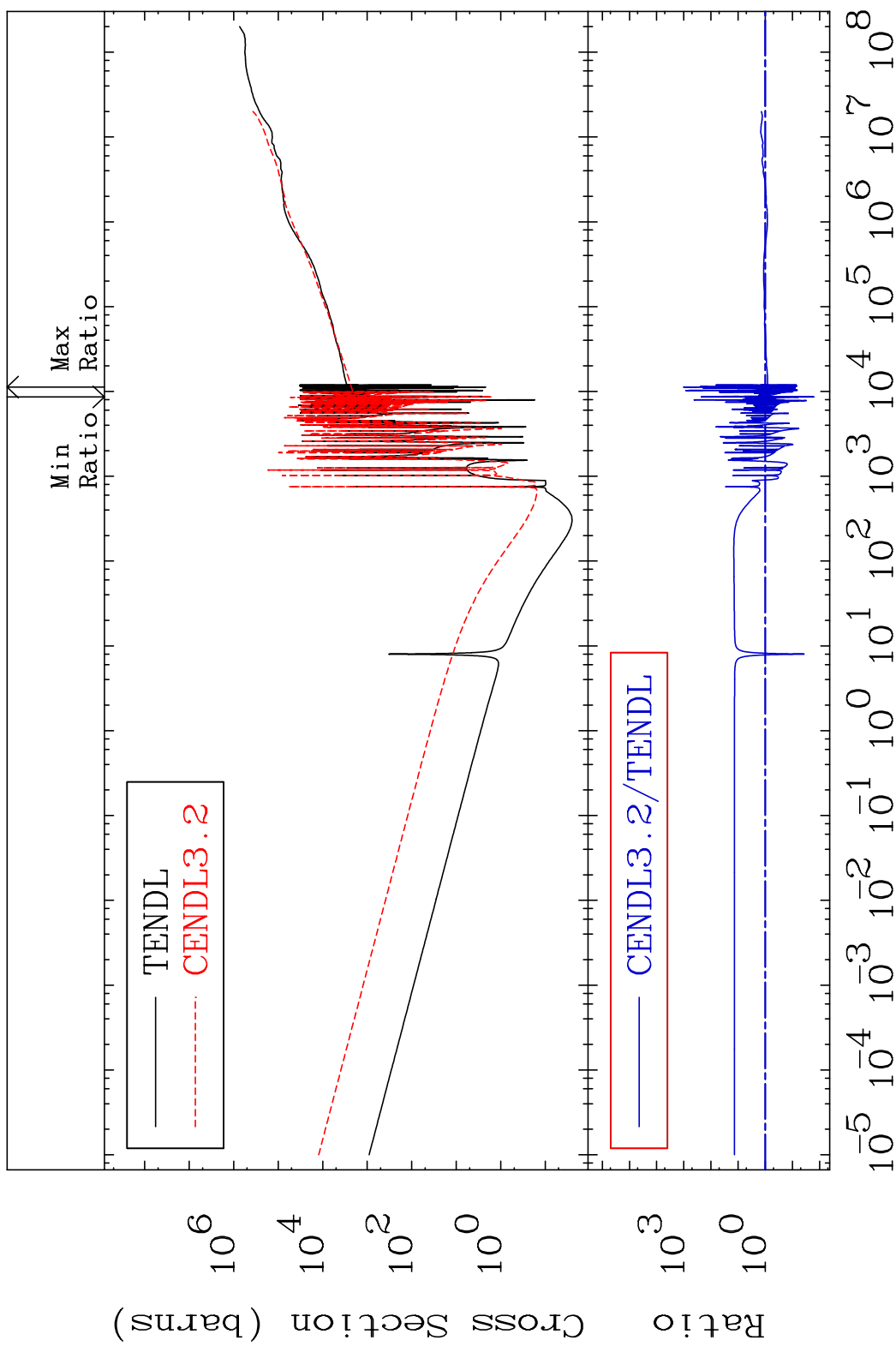


43 Incident Energy (eV) 62-Sm-144

MAT 6225 Total kinematic kerma (high limit) 62-Sm-144
 Cross Section -98.39 To 9999. %

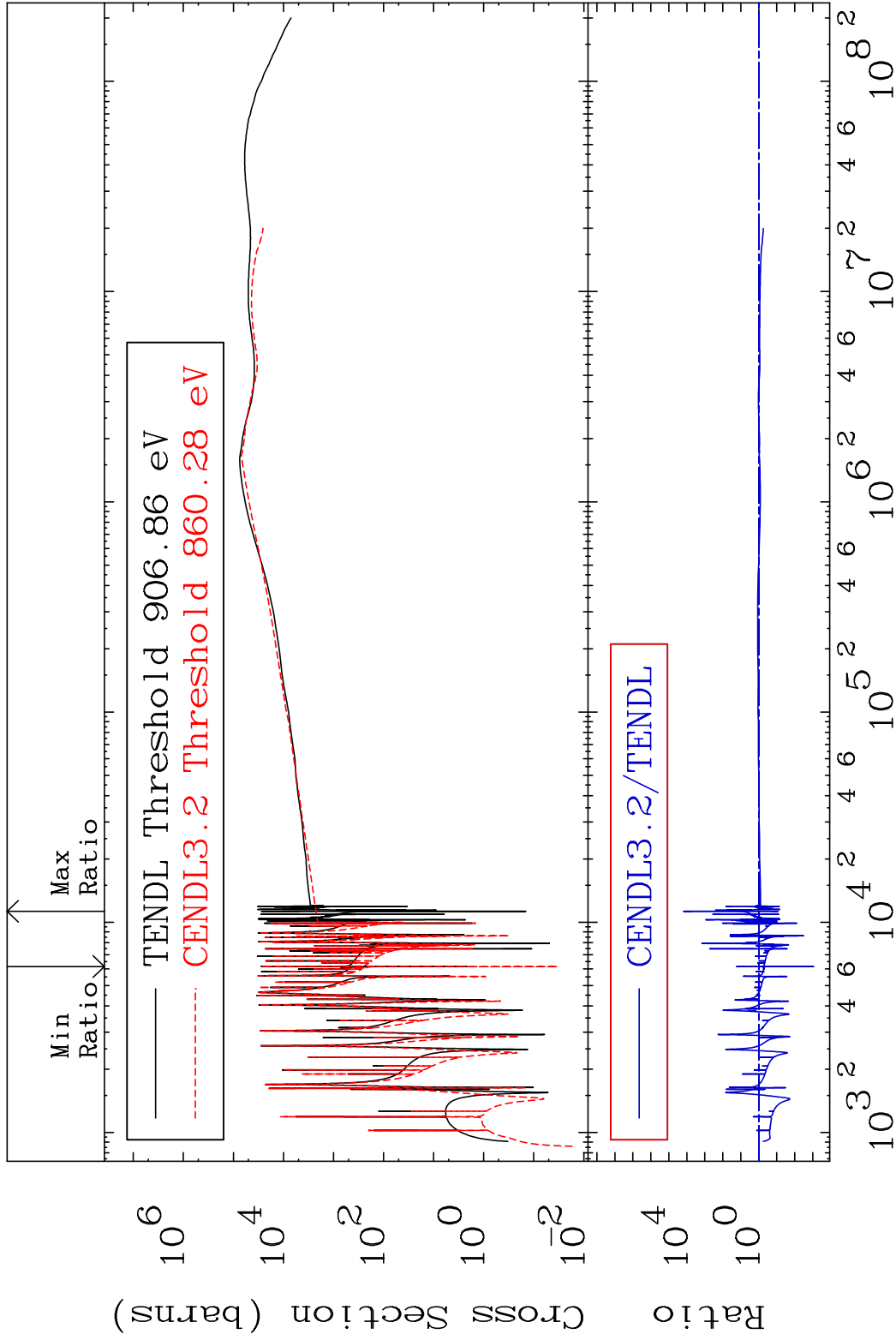


MAT 6225 Dpa total (eV-barns) 62-Sm-144
 Cross Section -98.37 To 9999. %

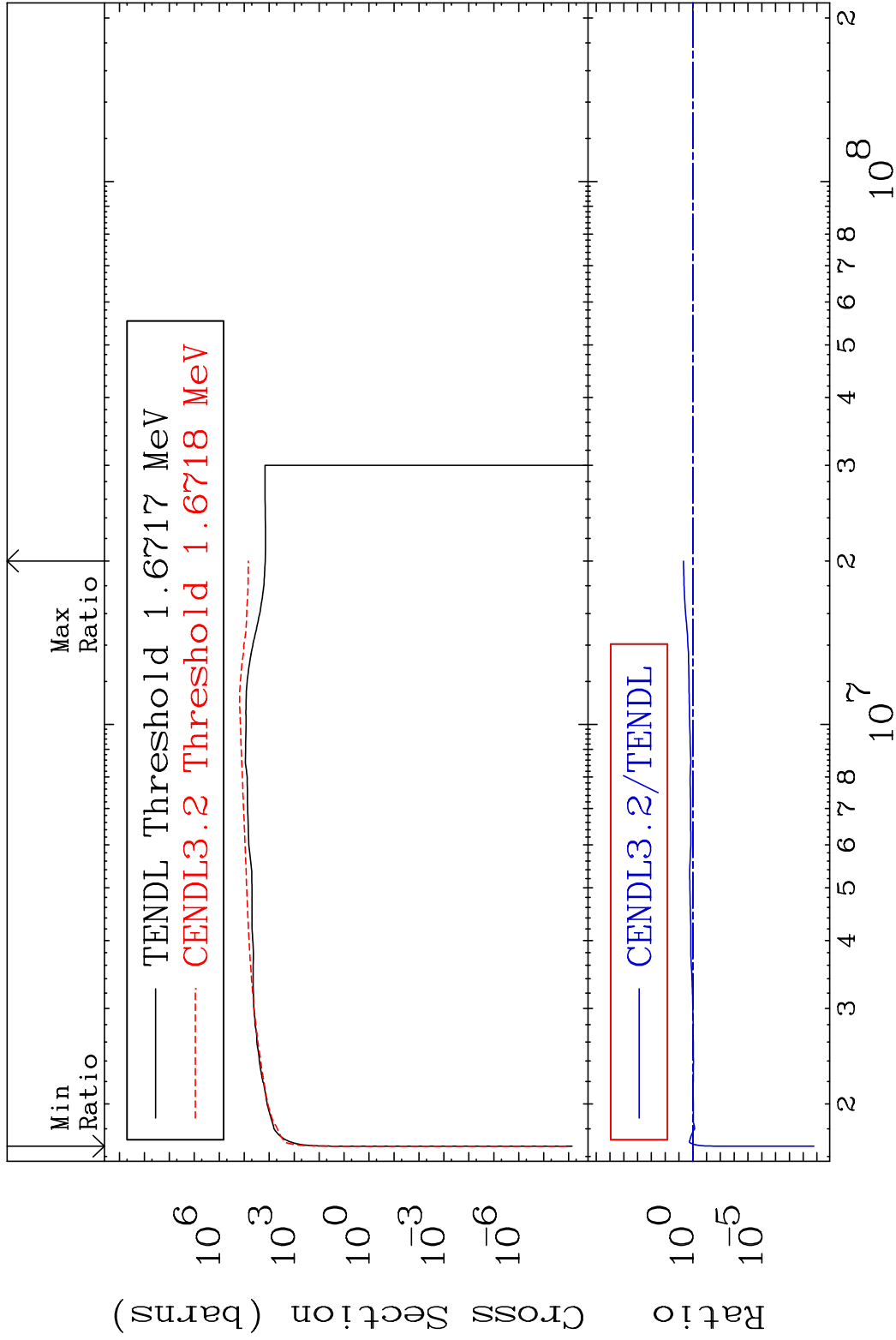


45 Incident Energy (eV) 62-Sm-144

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

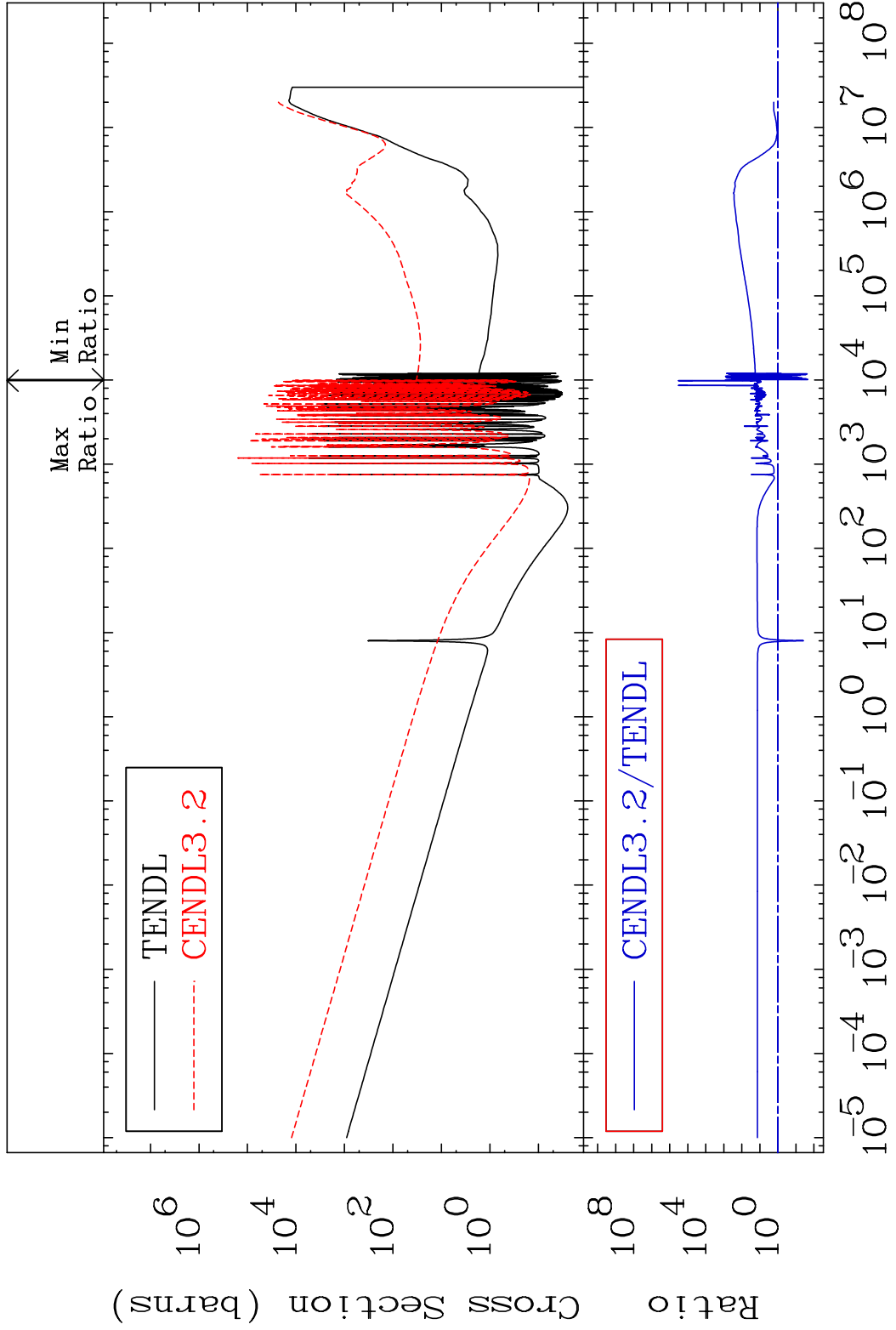


MAT 6225 Dpa inelastic (mt51-91) 62-Sm-144
 Cross Section -100.0 To 372.7 %



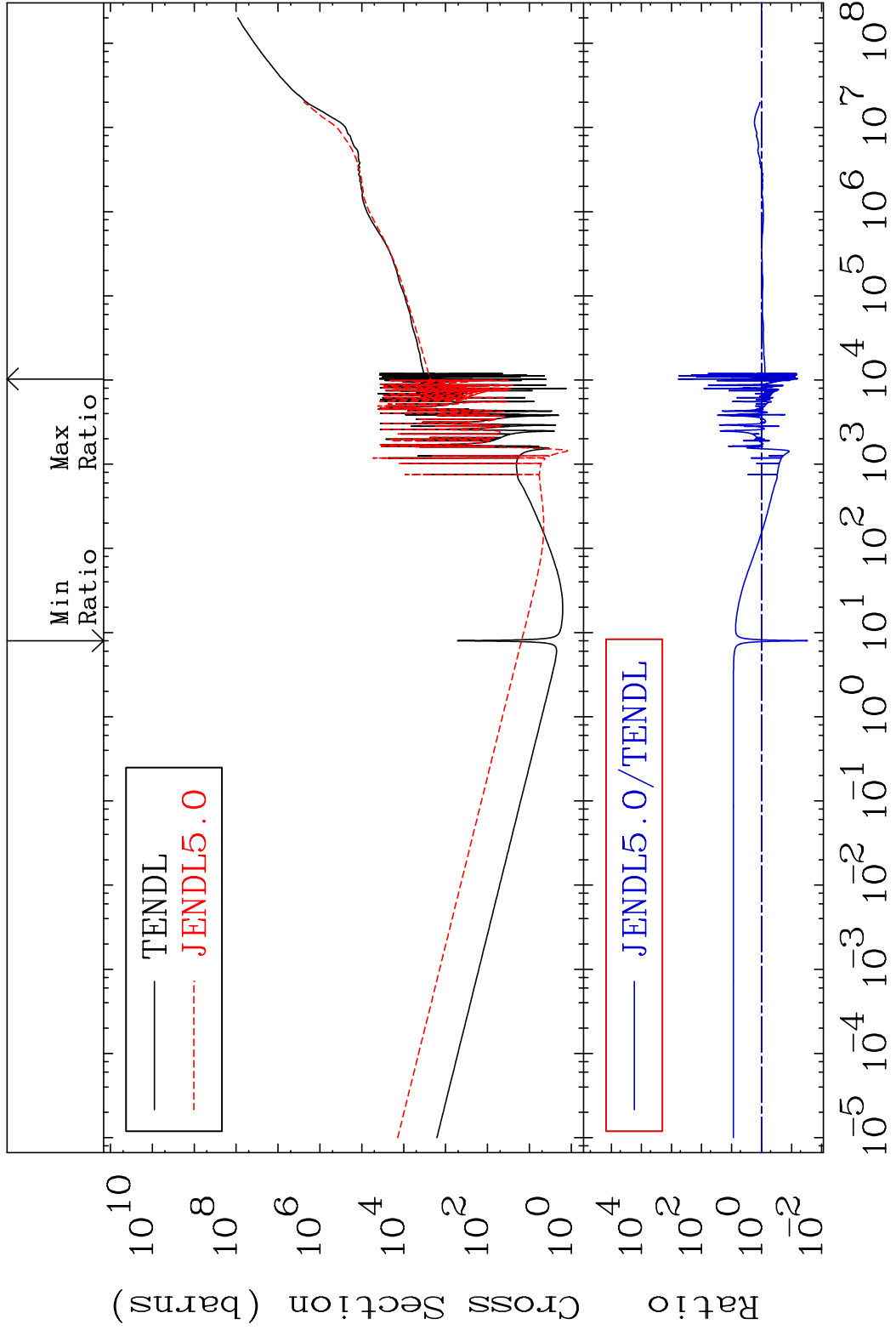
47 Incident Energy (eV) 62-Sm-144

MAT 6225 Dpa disappearance (mt102 -120) 62-Sm-144
 Cross Section -97.79 To 9999. %

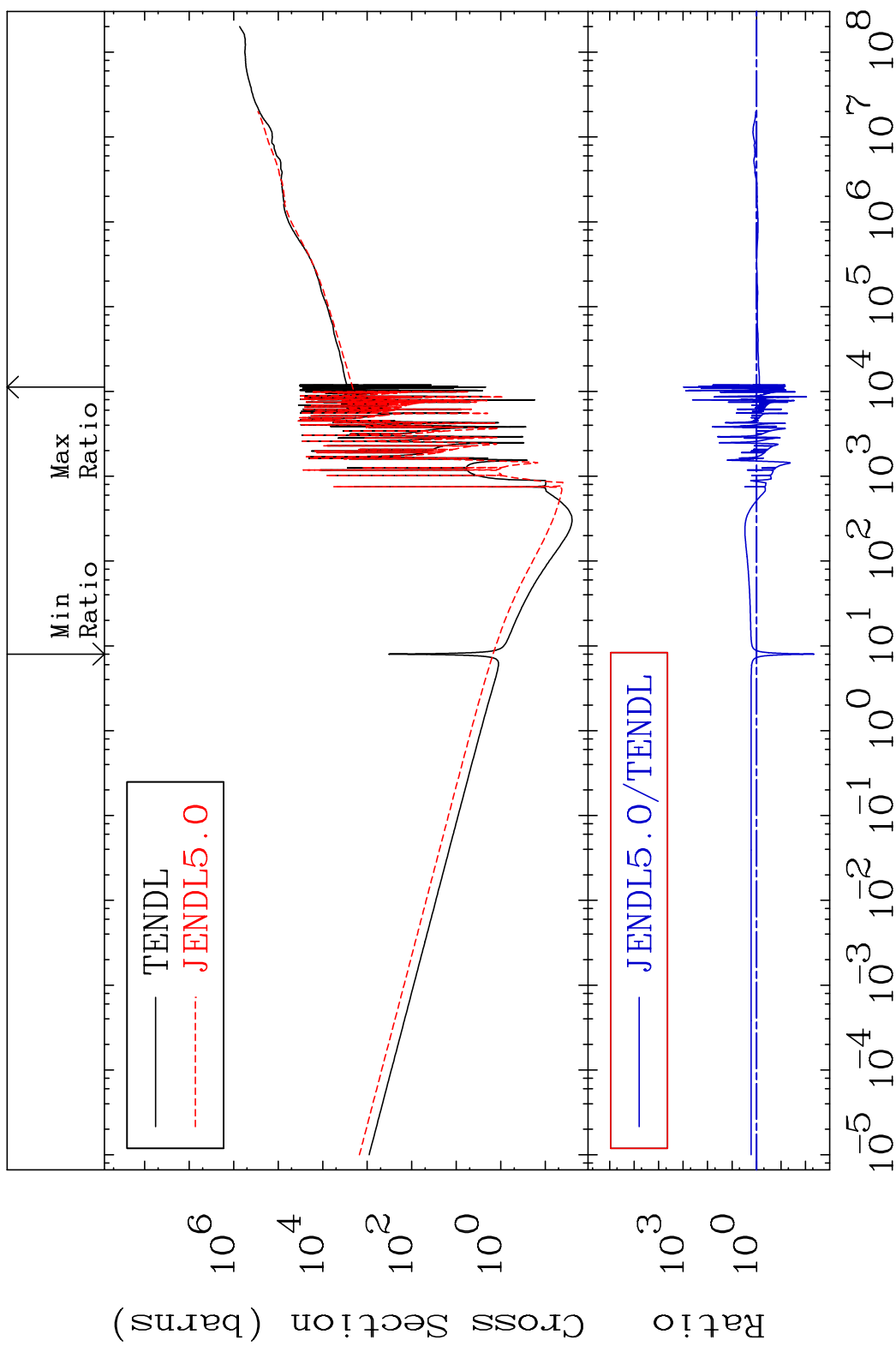


48 Incident Energy (eV) 62-Sm-144

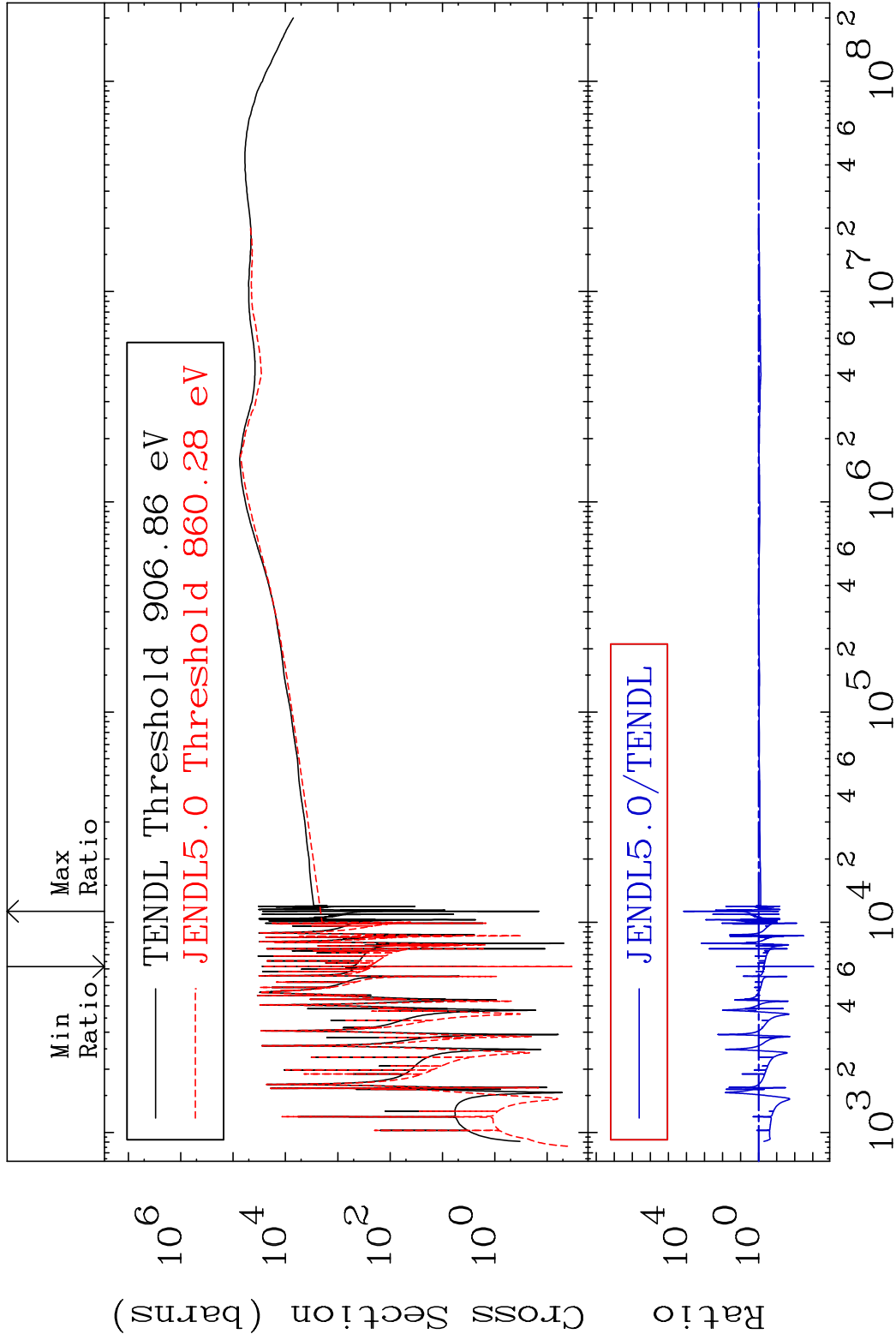
MAT 6225 Total kinematic kerma (high limit) 62-Sm-144
 Cross Section -97.10 To 9999. %



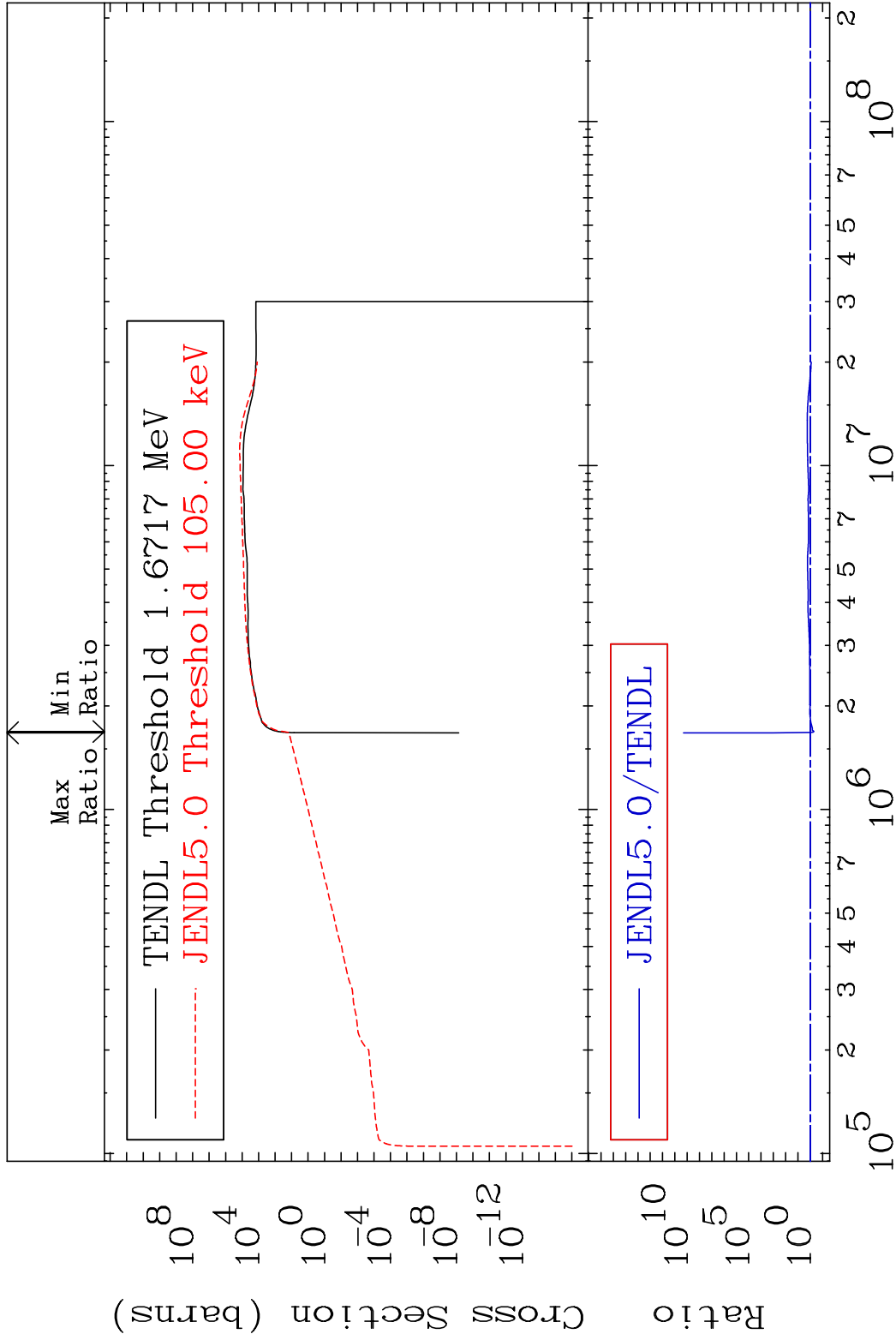
MAT 6225 Dpa total (eV-barns) 62-Sm-144
 Cross Section -99.55 To 9999. %



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

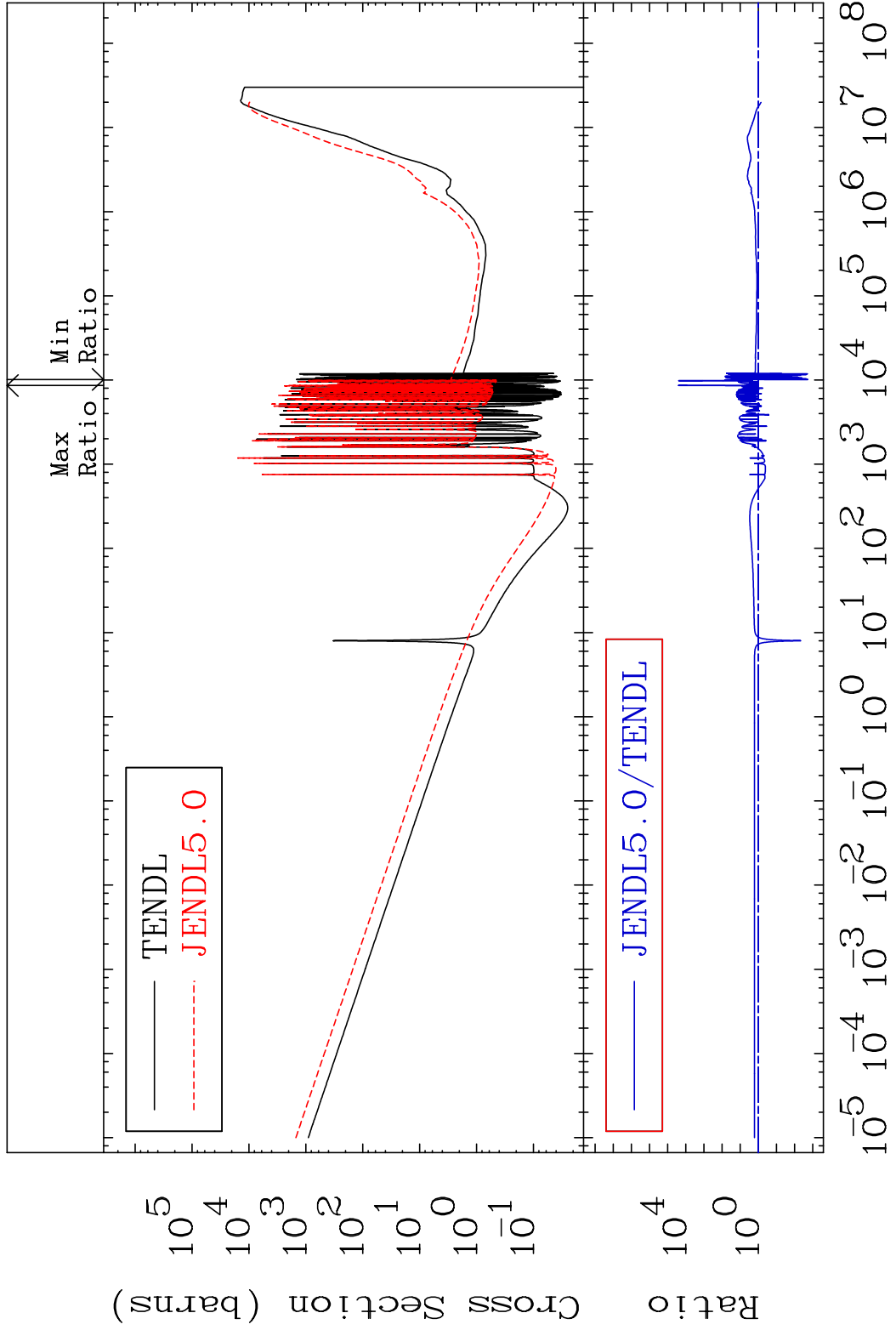


MAT 6225 Dpa inelastic (mt51-91) 62-Sm-144
 Cross Section -49.57 To 9999. %

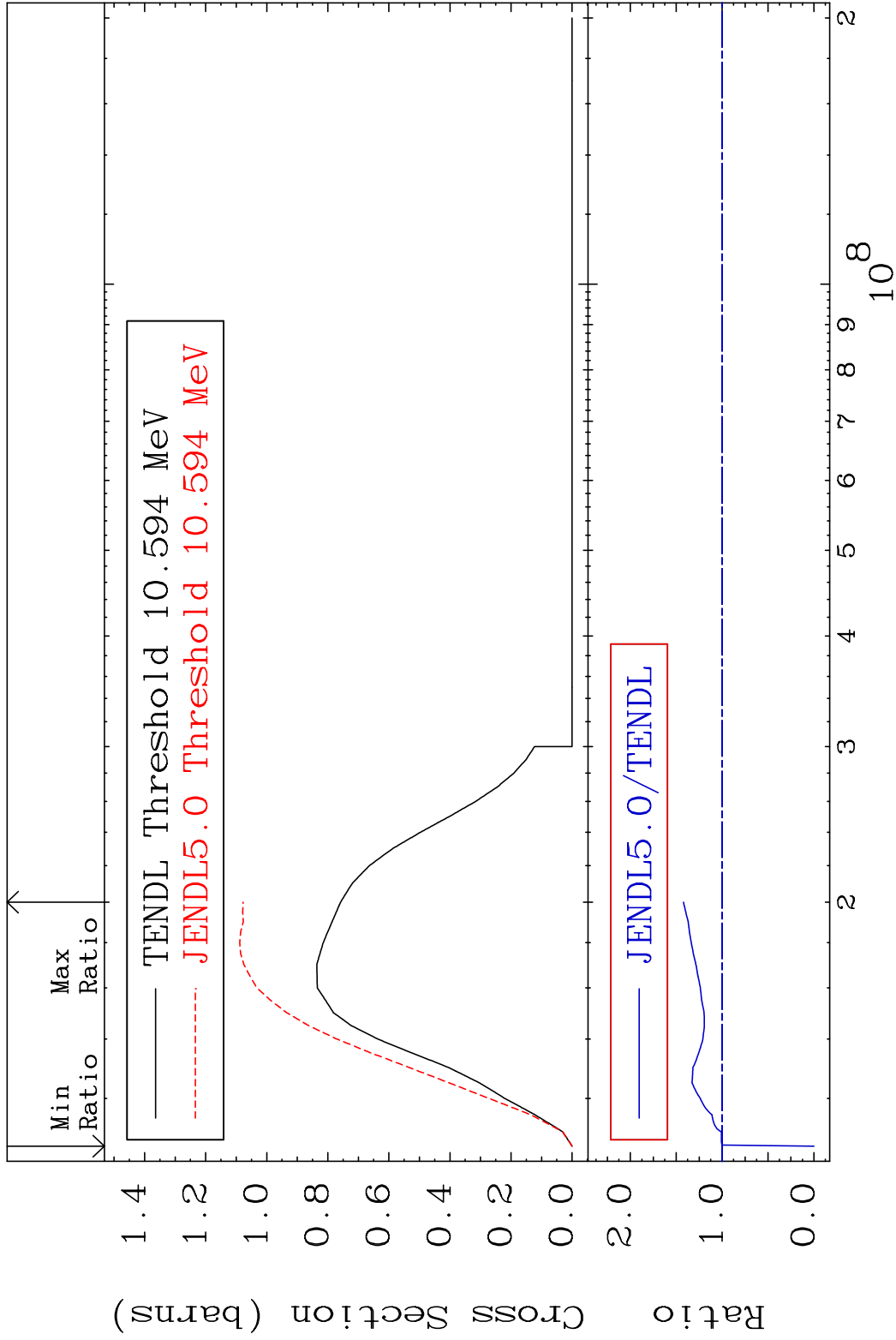


52 Incident Energy (eV) 62-Sm-144

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-143m2 62-Sm-144
 Radionuclide Production Cross Section 180000 dpo 23.61 %

