

Program Complot
(Version 2021-1)

by

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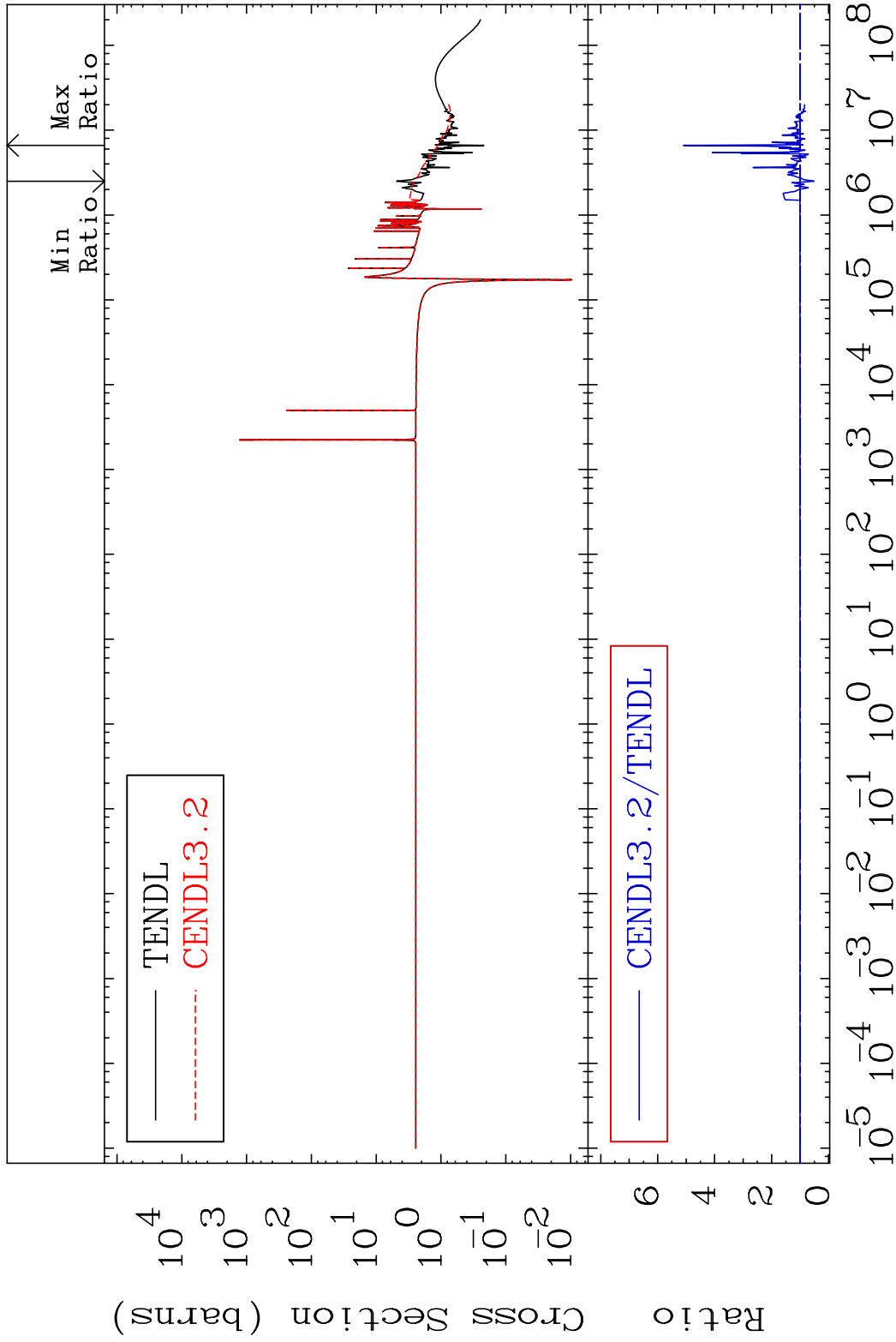
Press Mouse Button to Start

MAT 1431

Elastic

14-Si-30

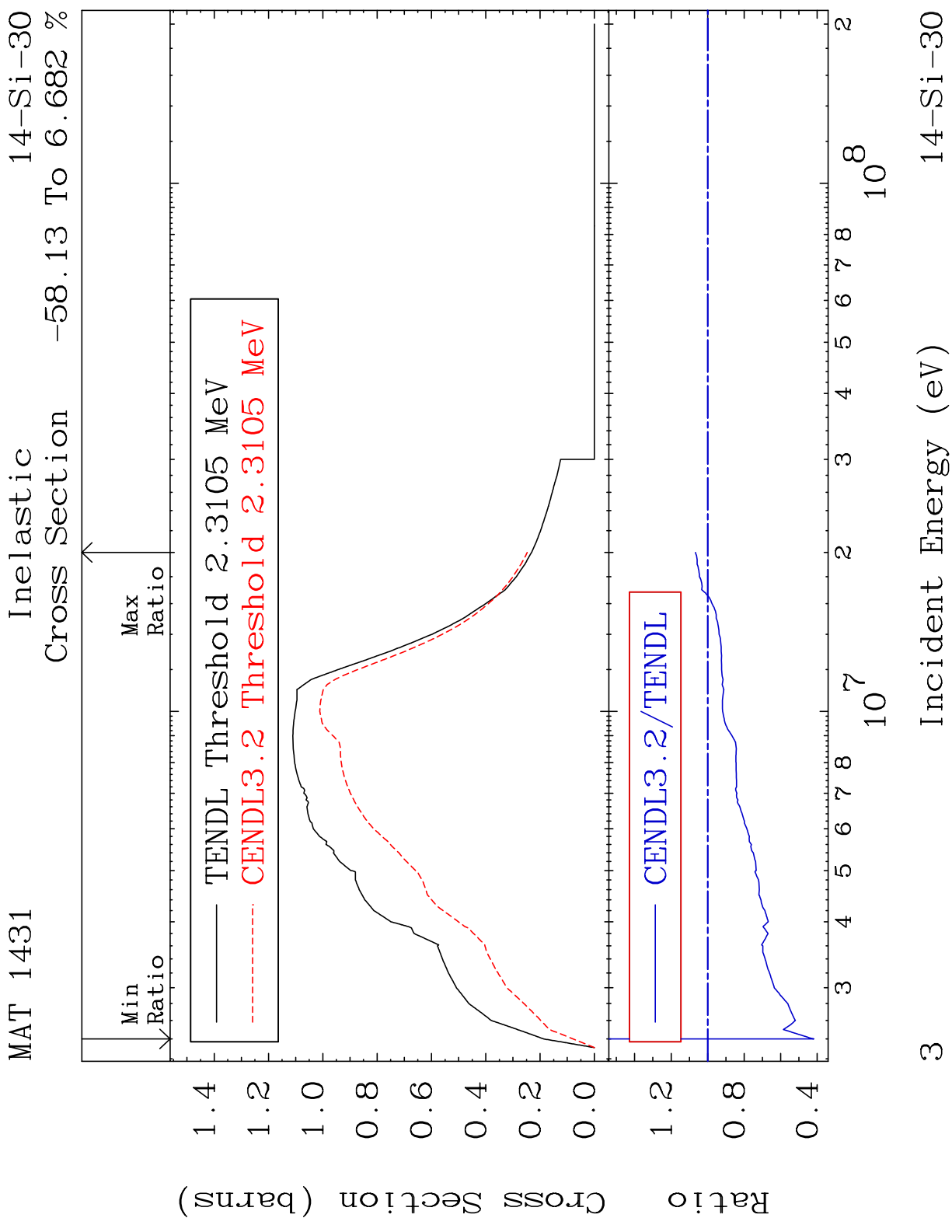
Cross Section -48.61 To 409.5 %

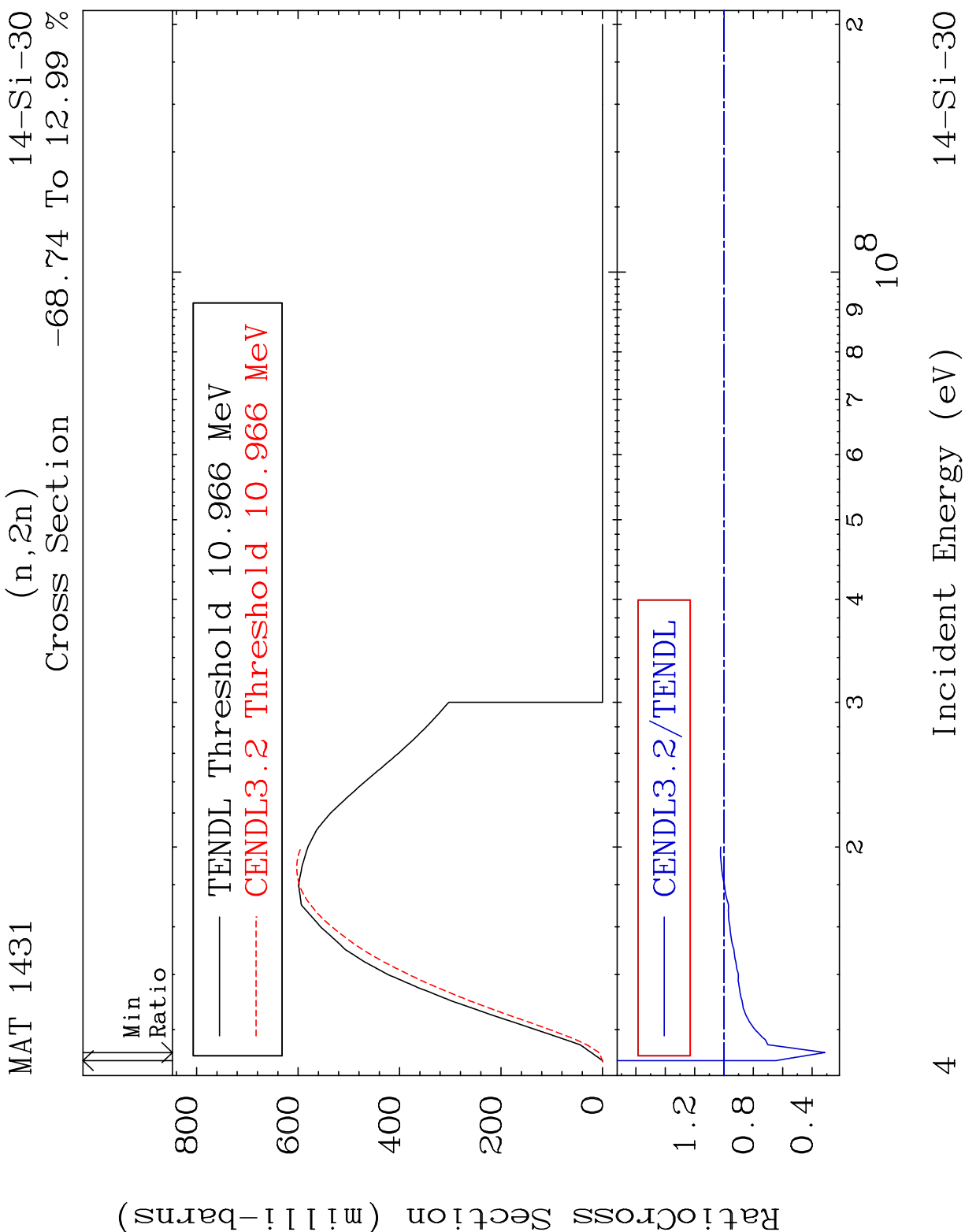


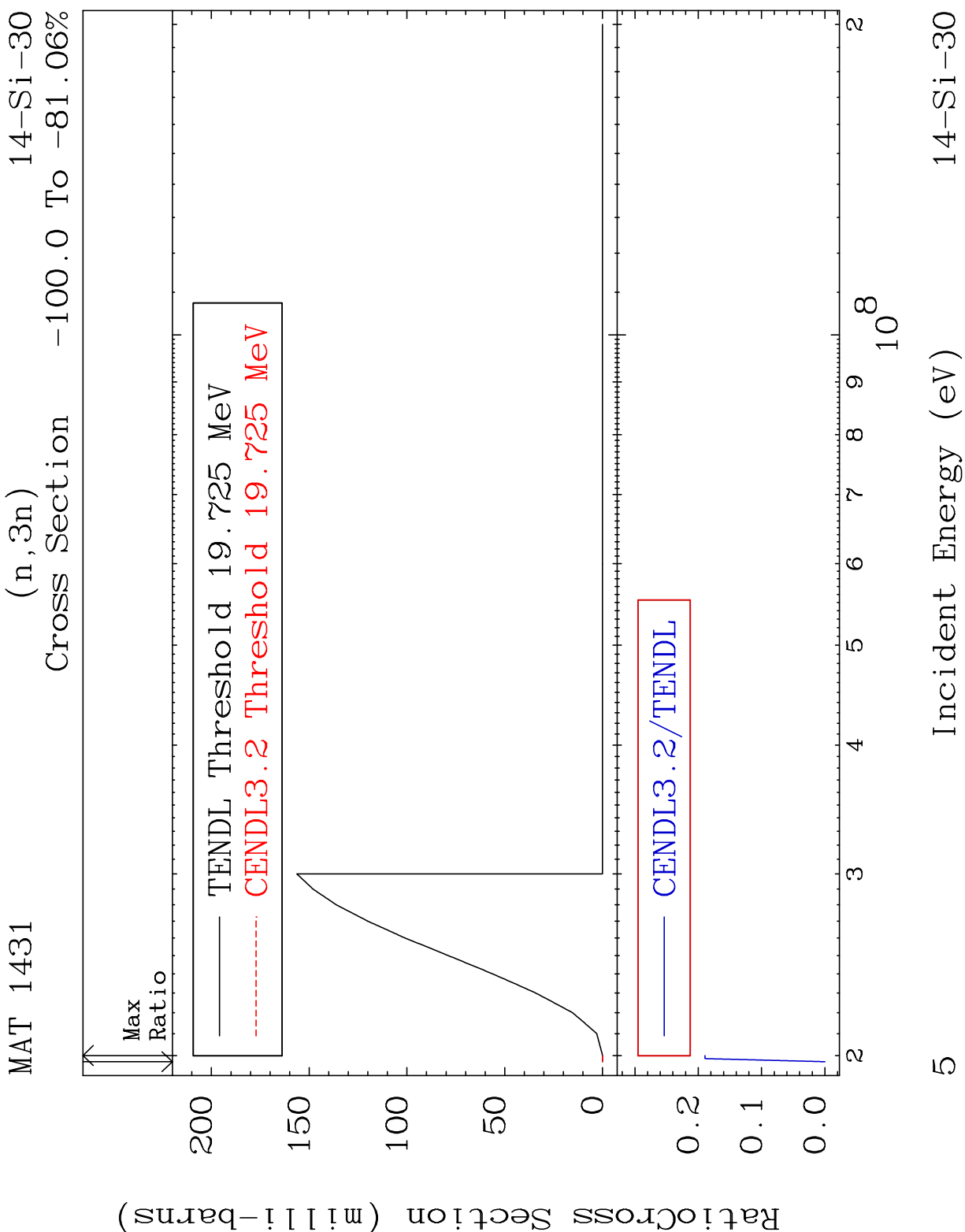
2

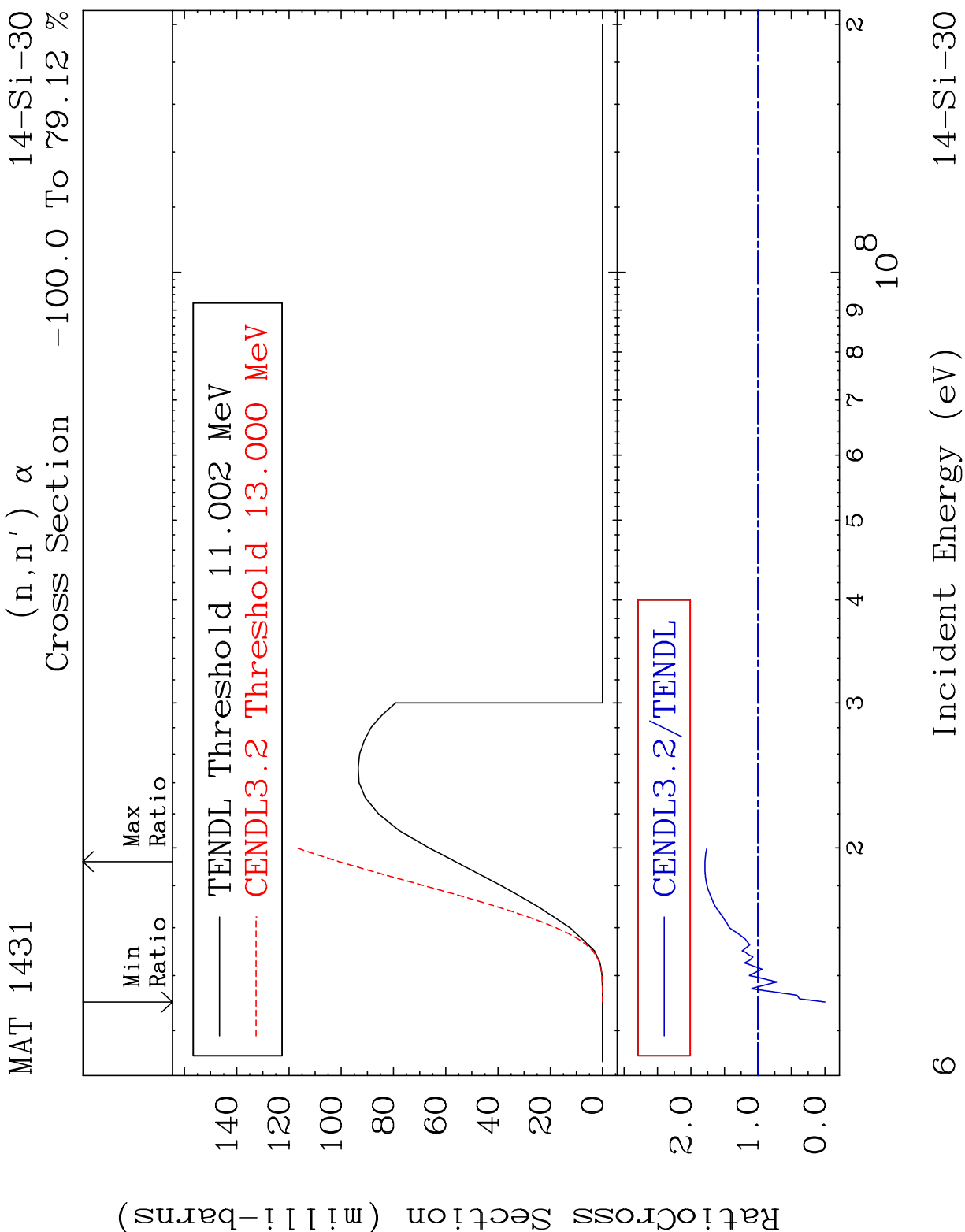
Incident Energy (eV)

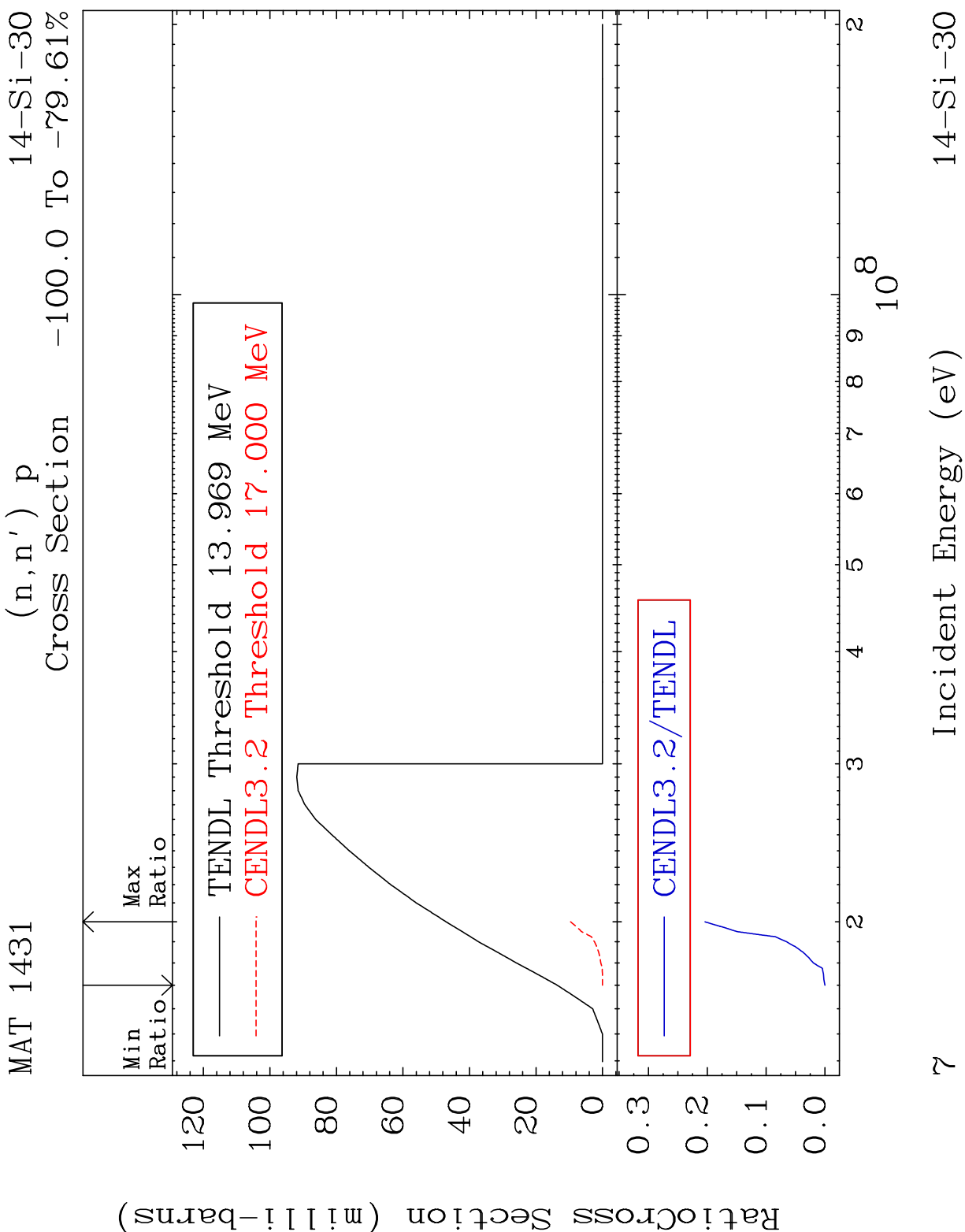
14-Si-30



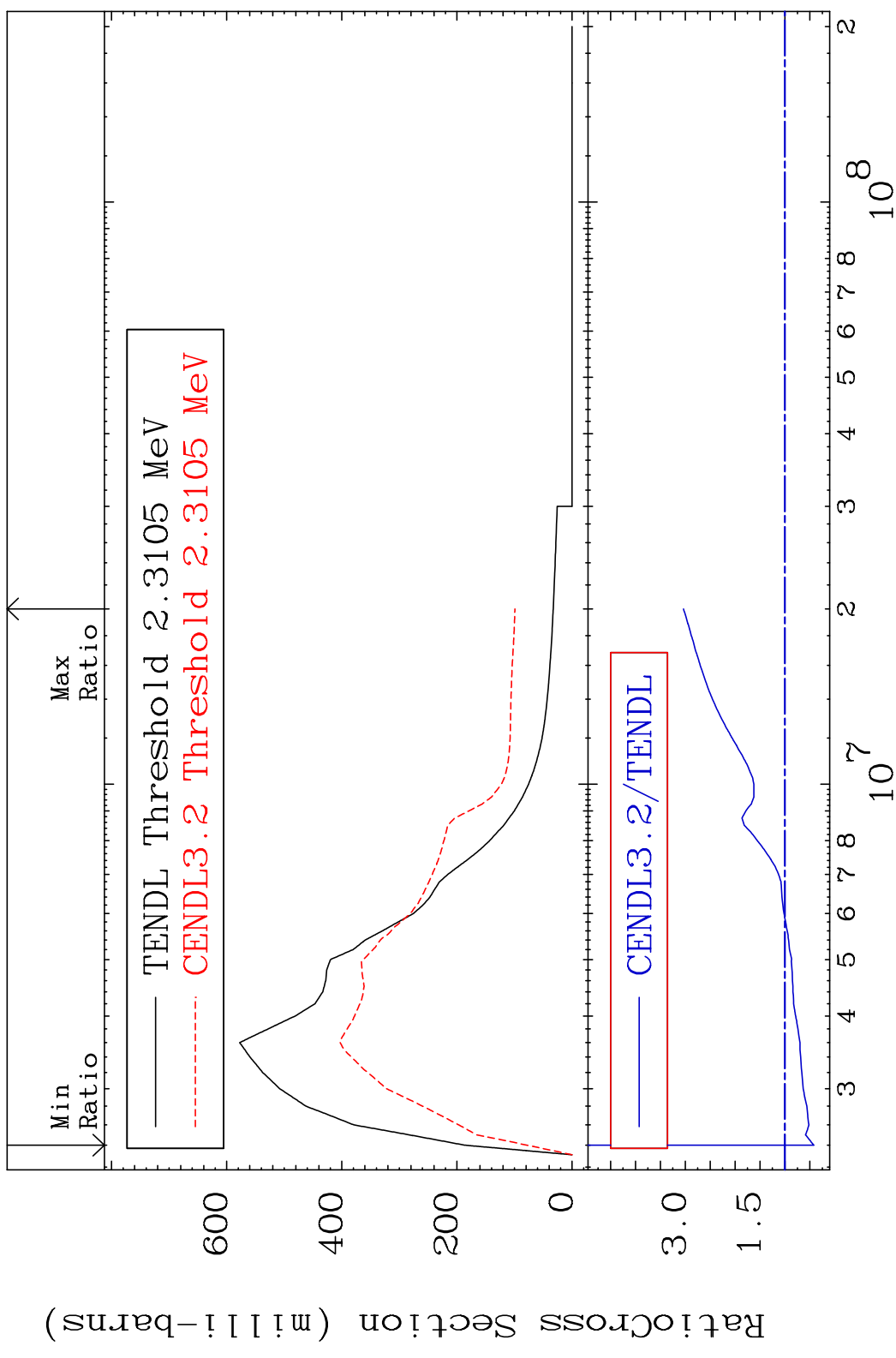






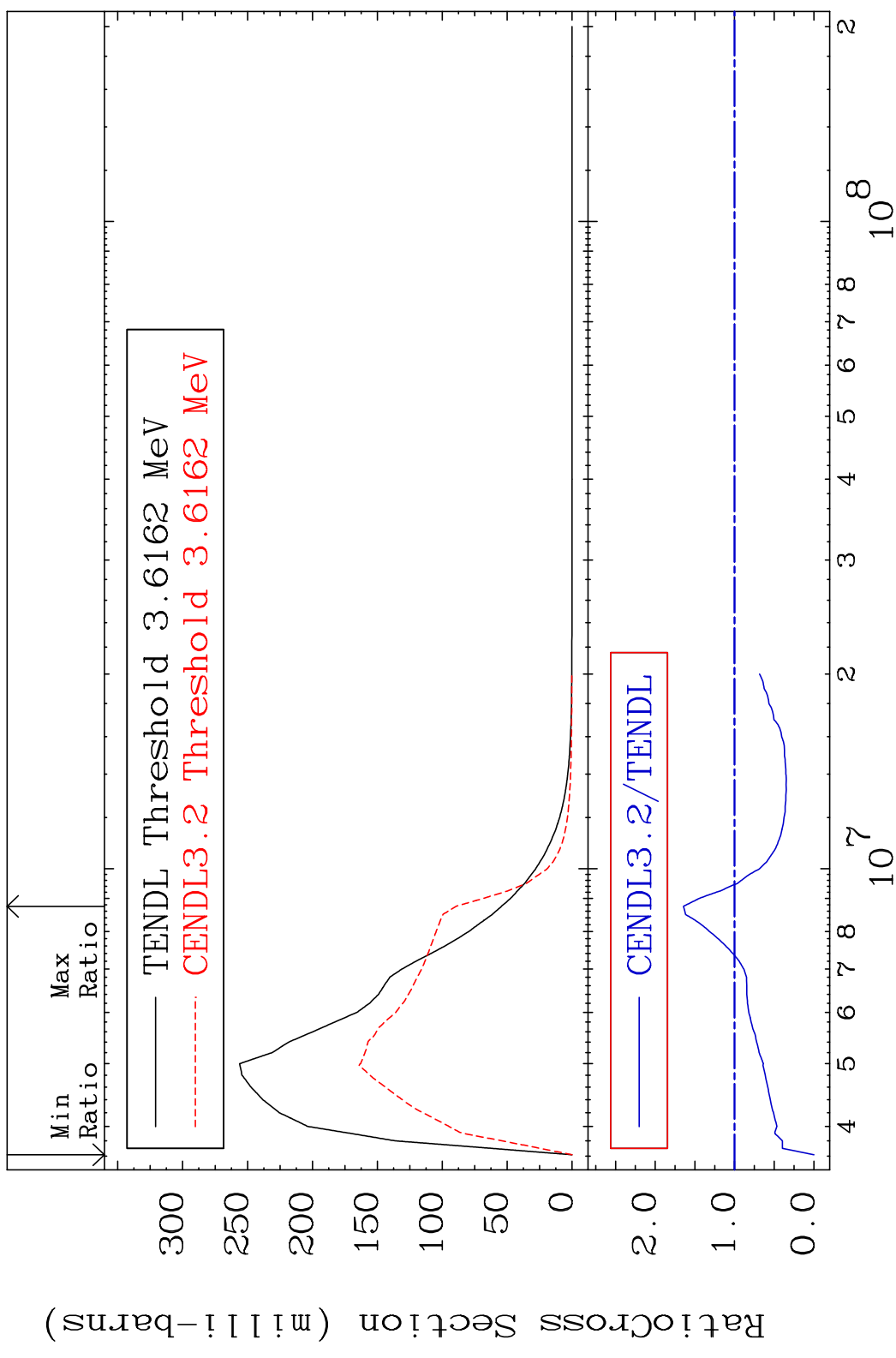


MAT 1431 MT= 51 (n, n') Level 14-Si-30
 Cross Section -58.13 To 203.7 %

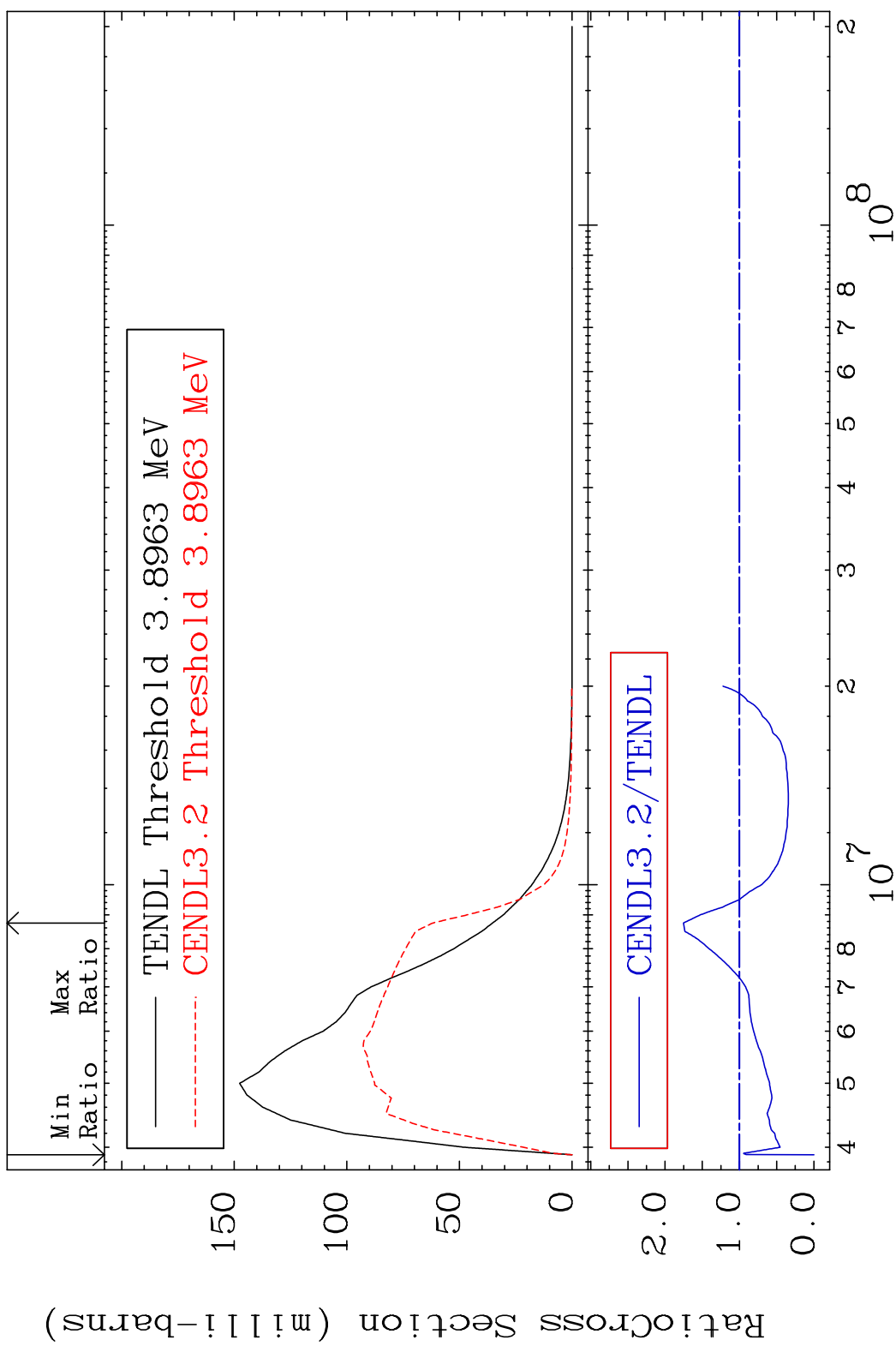


8 14-Si-30

MAT 1431 MT= 52 (n, n') Level 14-Si-30
 Cross Section -100.0 To 64.39 %

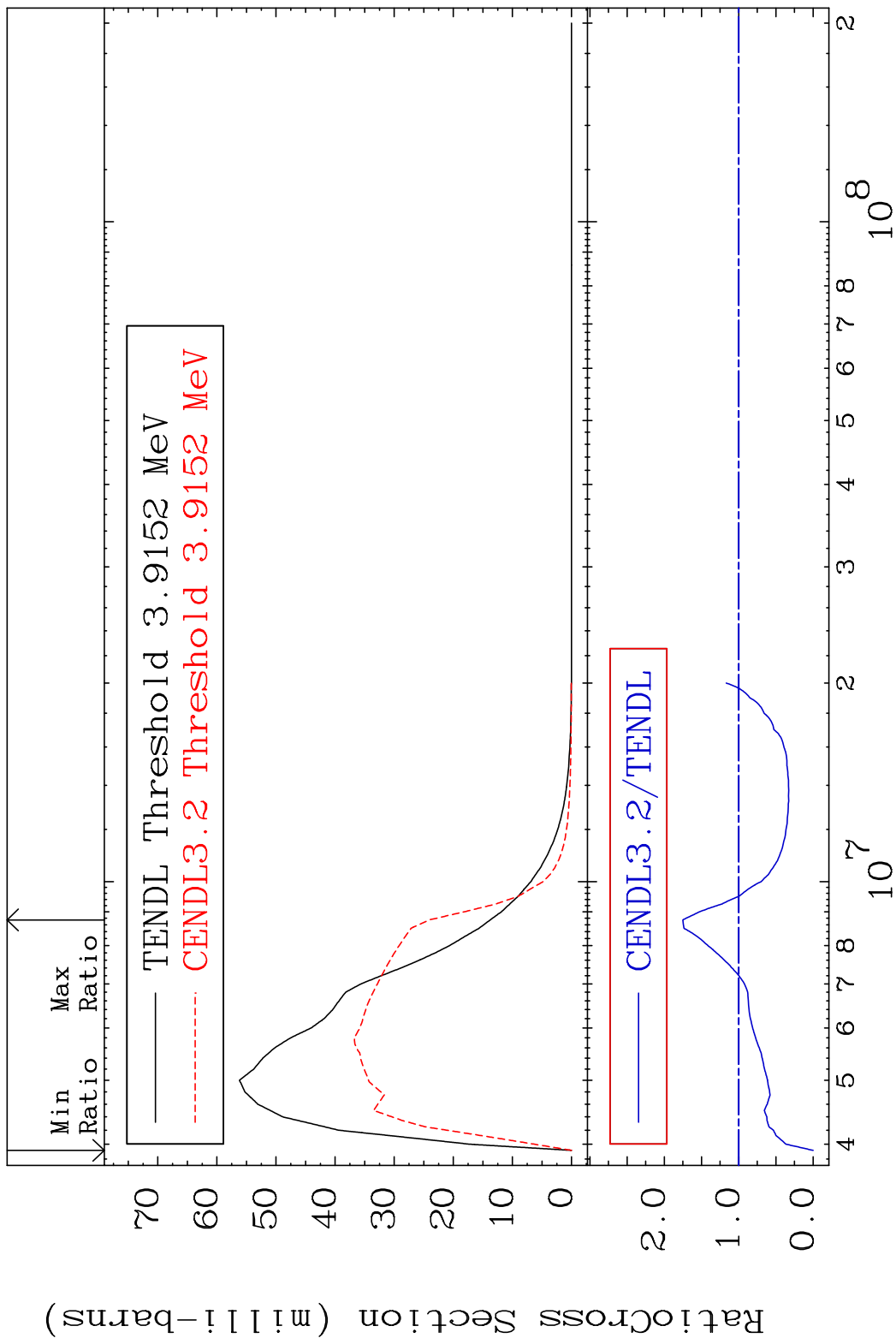


MAT 1431 MT= 53 (n, n') Level 14-Si-30
 Cross Section -100.0 To 75.30 %



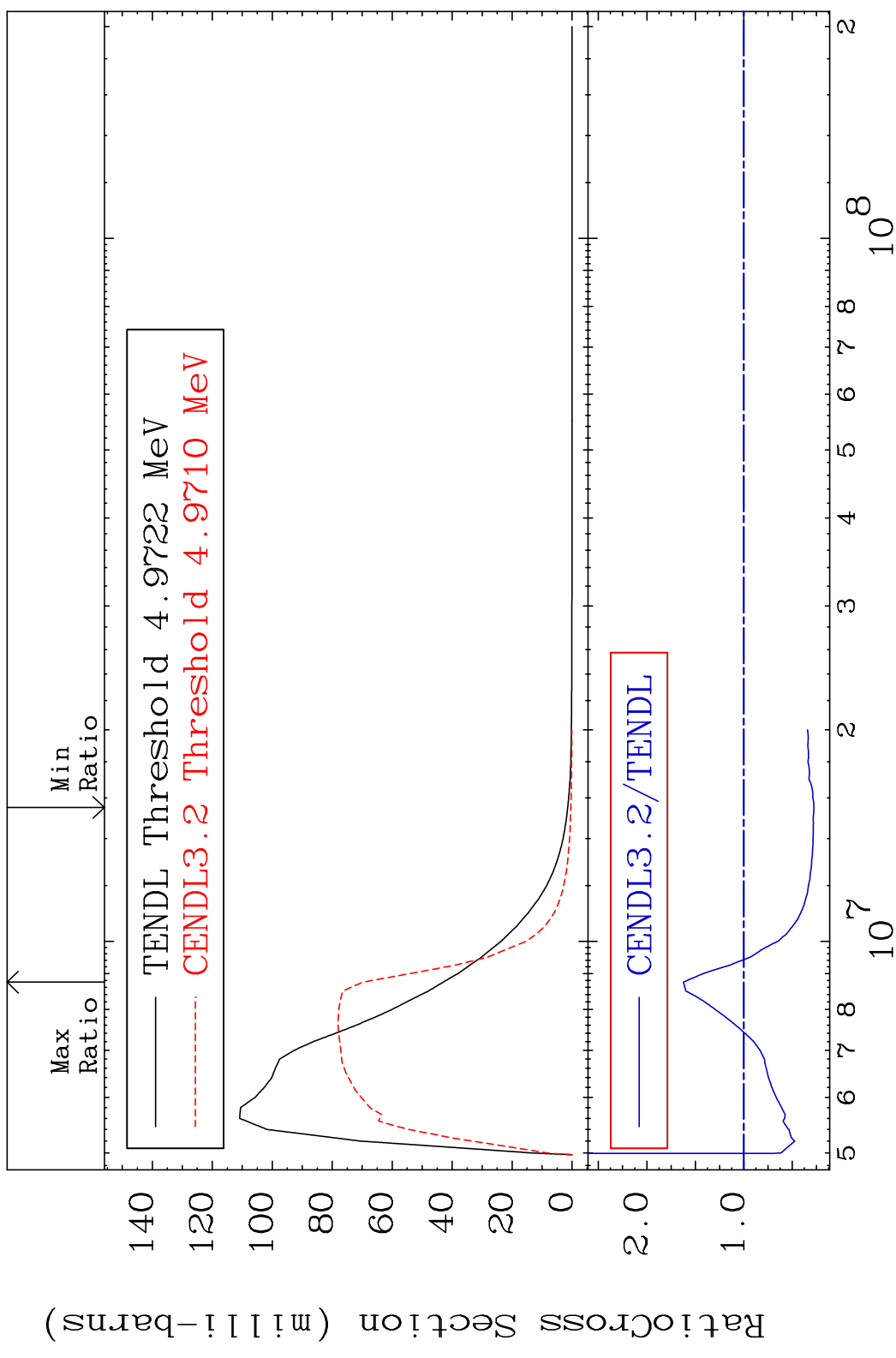
10 14-Si-30

MAT 1431 MT= 54 (n, n') Level 14-Si-30
 Cross Section -100.0 To 75.11 %



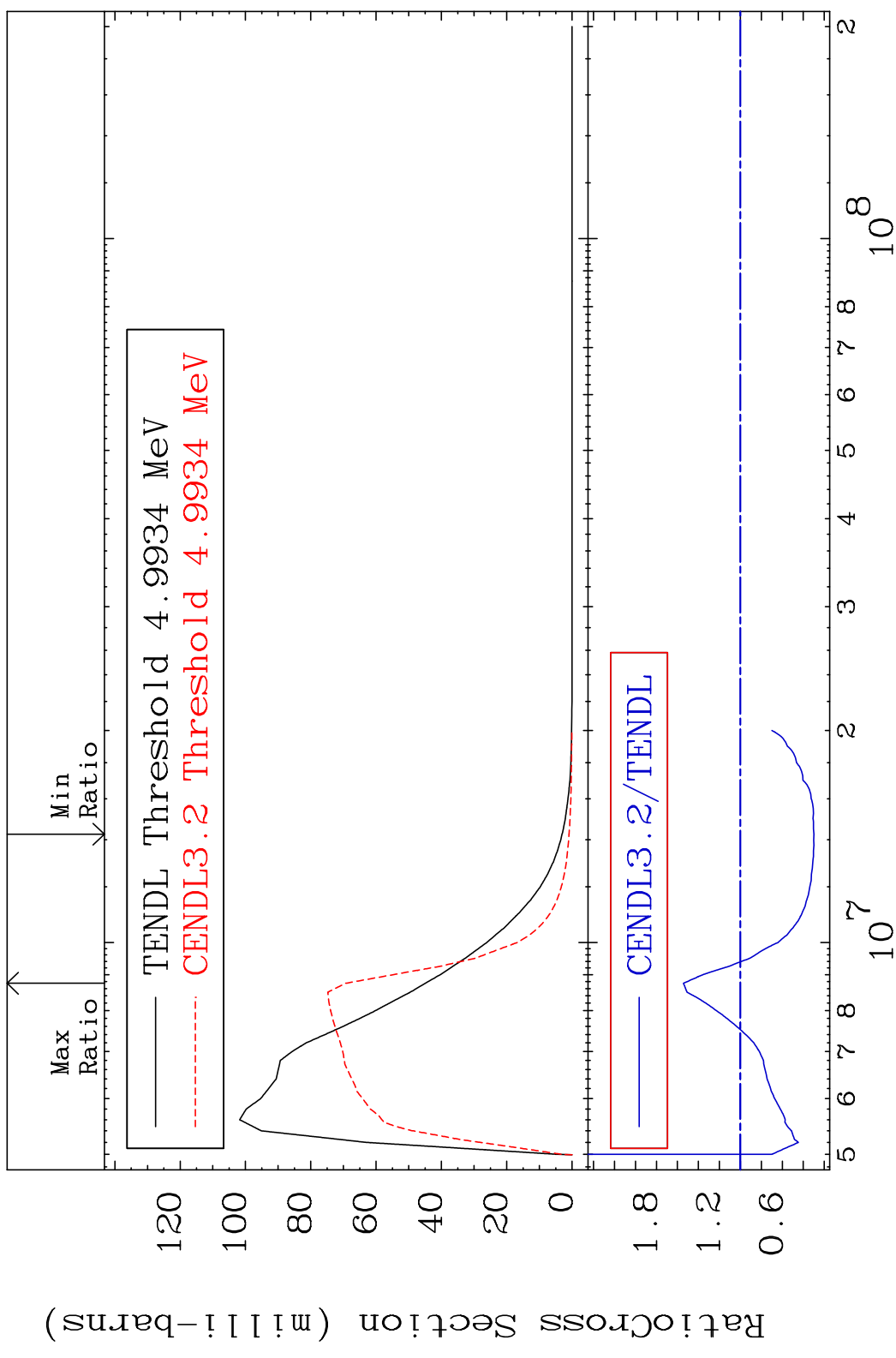
11 14-Si-30

MAT 1431 MT= 55 (n, n') Level 14-Si-30
 Cross Section -72.37 To 62.21 %



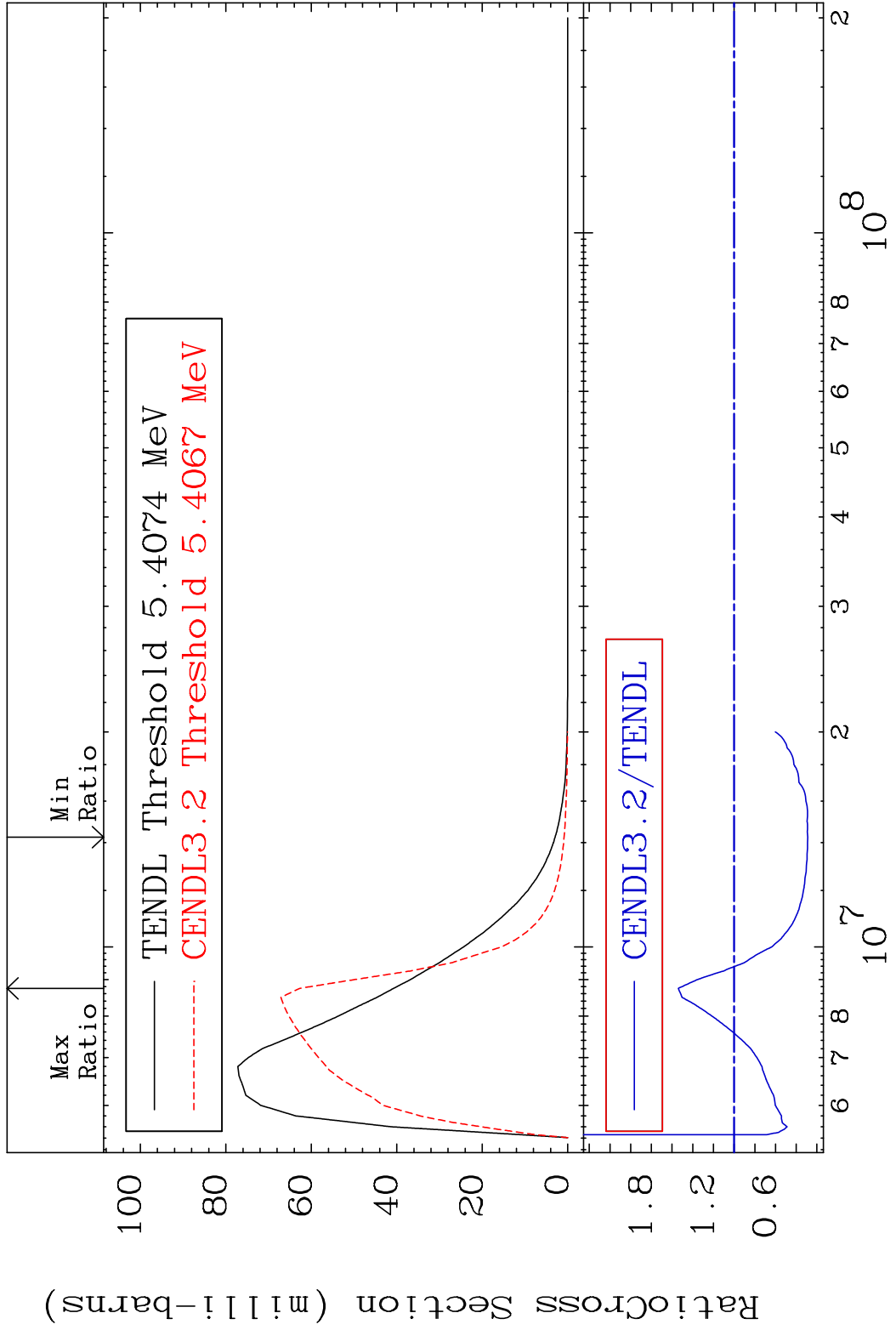
12 Incident Energy (eV) 14-Si-30

MAT 1431 MT= 56 (n, n') Level 14-Si-30
 Cross Section -70.11 To 54.25 %



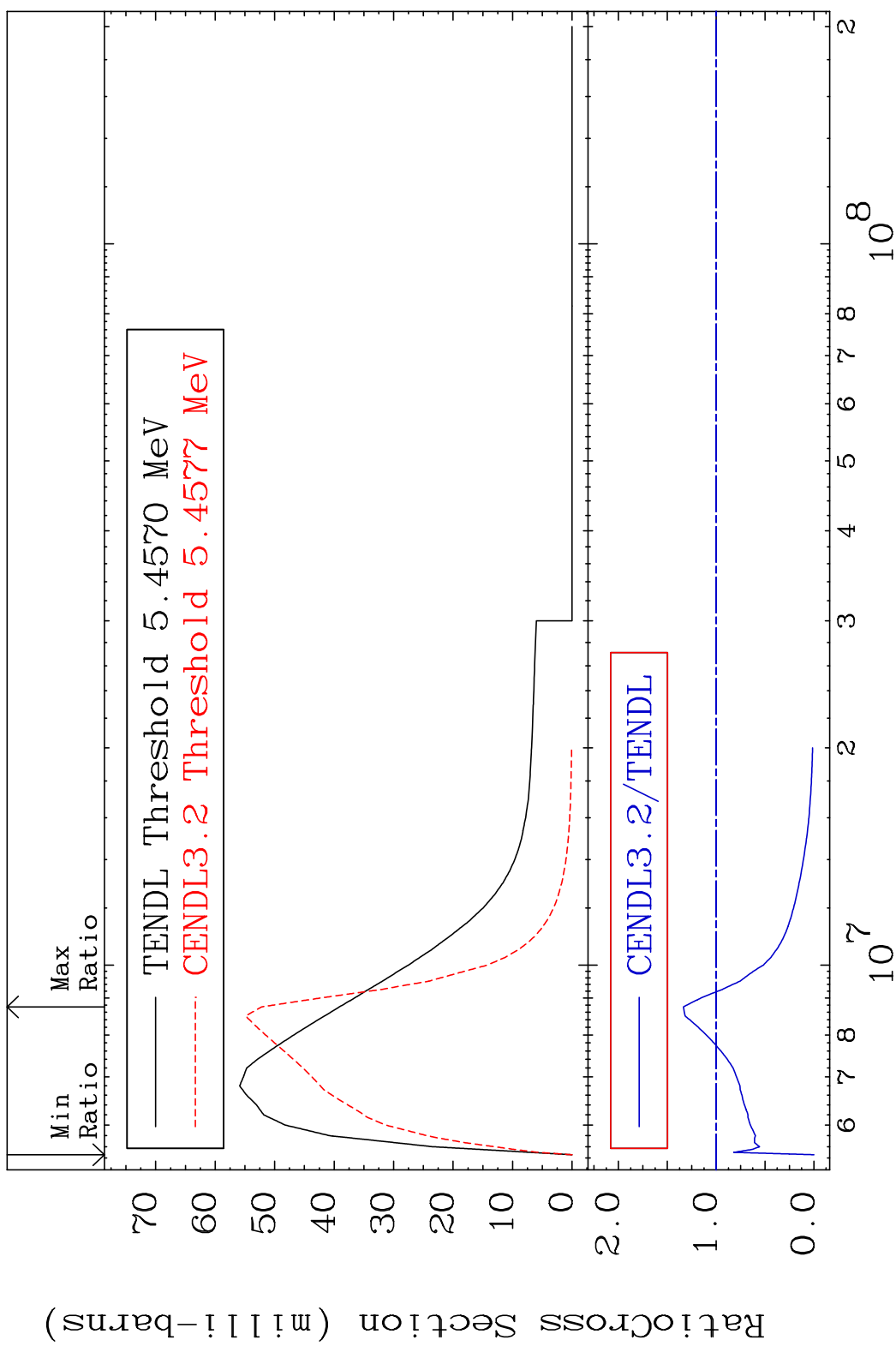
13 Incident Energy (eV) 14-Si-30

MAT 1431 MT= 57 (n, n') Level 14-Si-30
 Cross Section -71.11 To 53.99 %



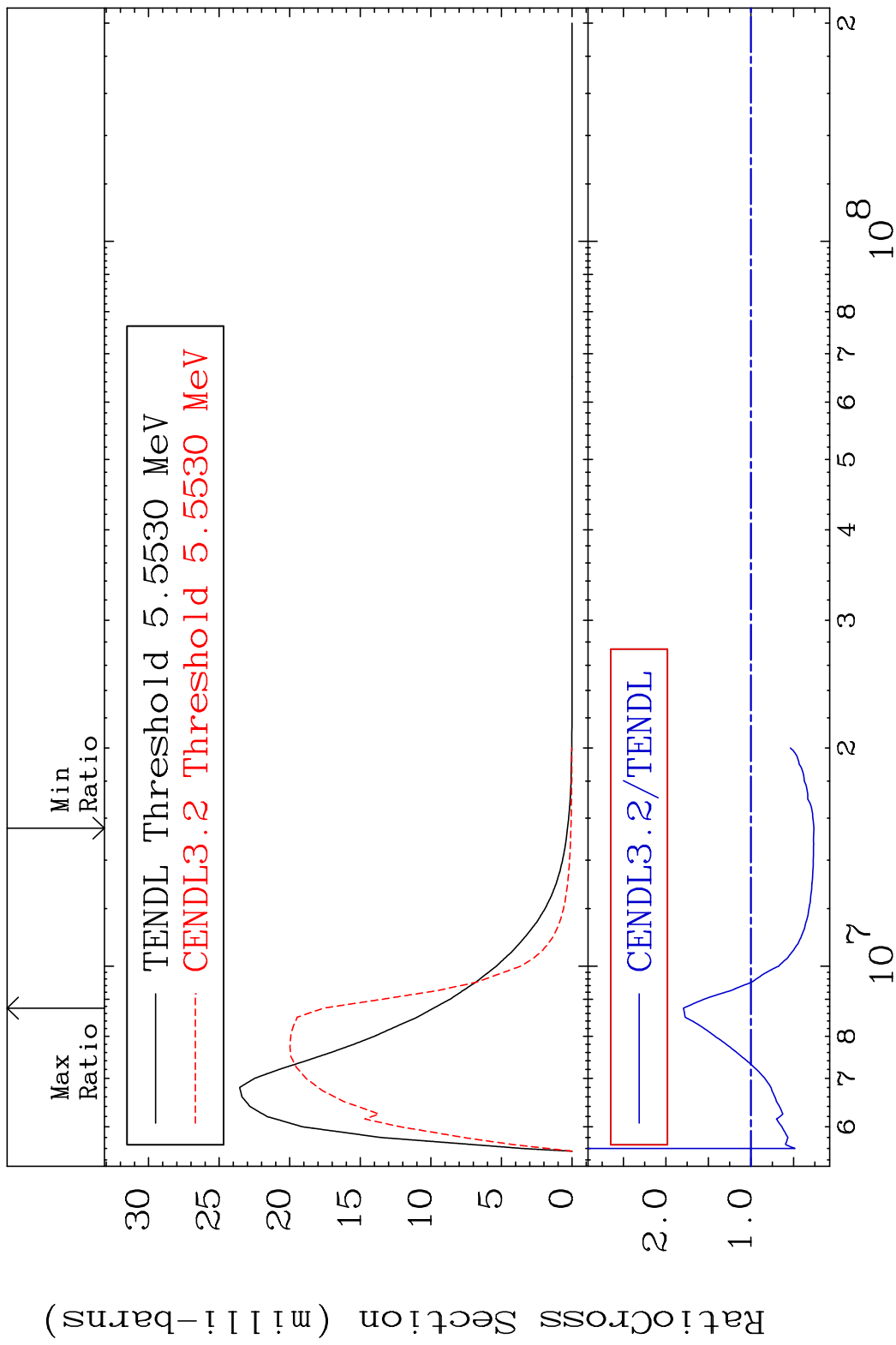
14 14-Si-30

MAT 1431 MT= 58 (n, n') Level 14-Si-30
 Cross Section -100.0 To 33.49 %



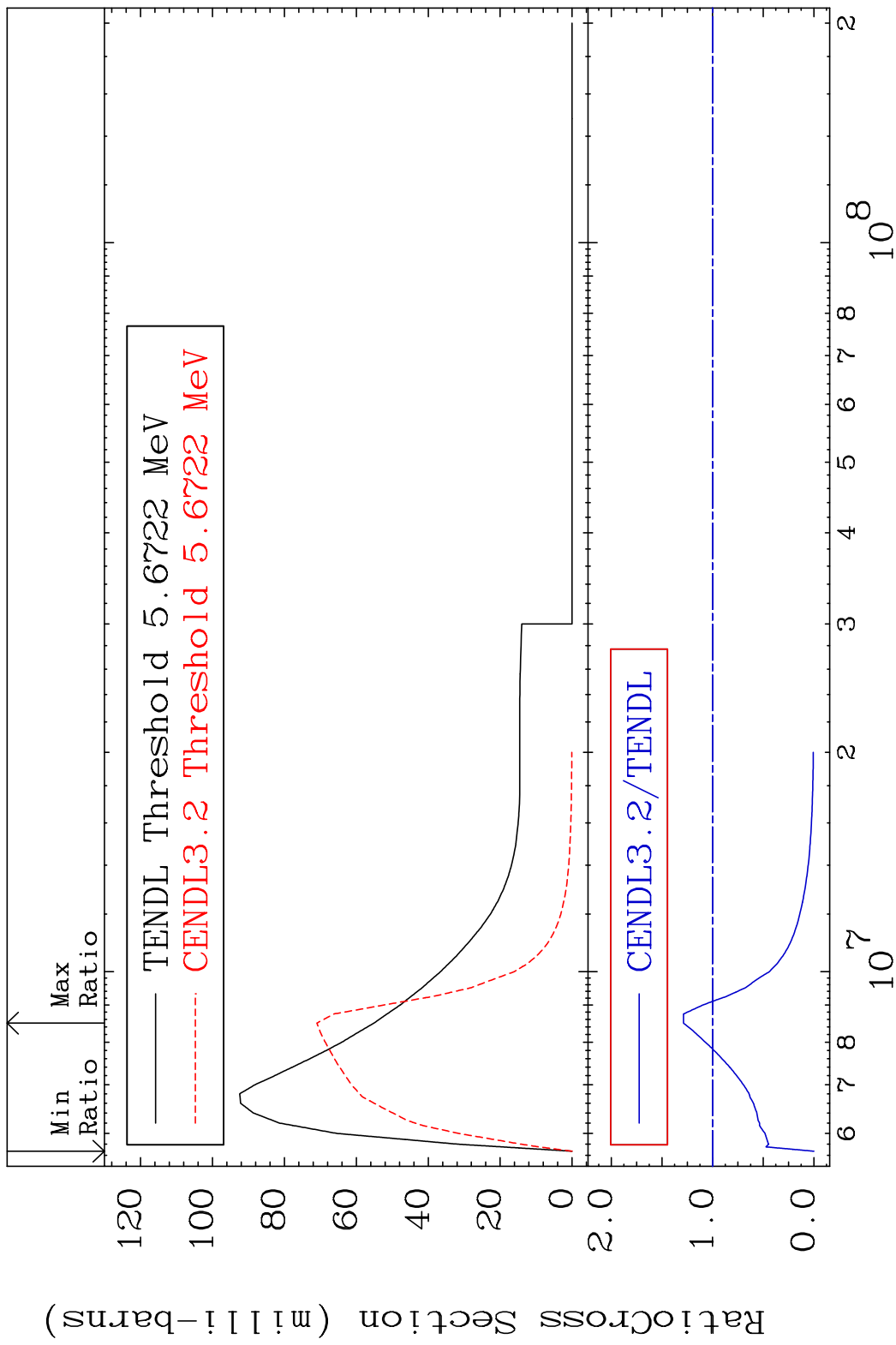
15 Incident Energy (eV) 14-Si-30

MAT 1431 MT= 59 (n, n') Level 14-Si-30
 Cross Section -73.93 To 79.35 %



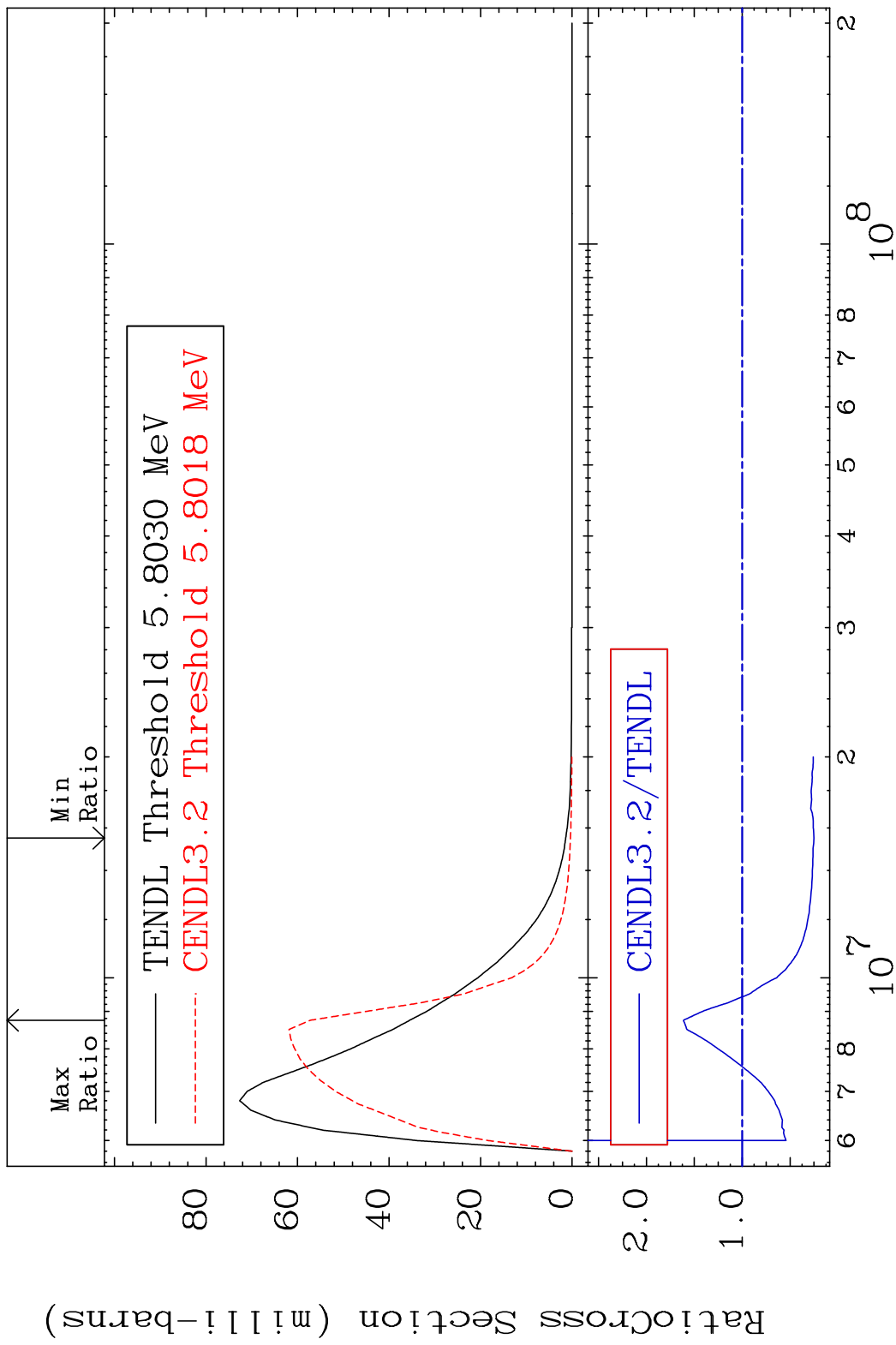
16 Incident Energy (eV) 14-Si-30

MAT 1431 MT= 60 (n, n') Level 14-Si-30
 Cross Section -100.0 To 28.76 %



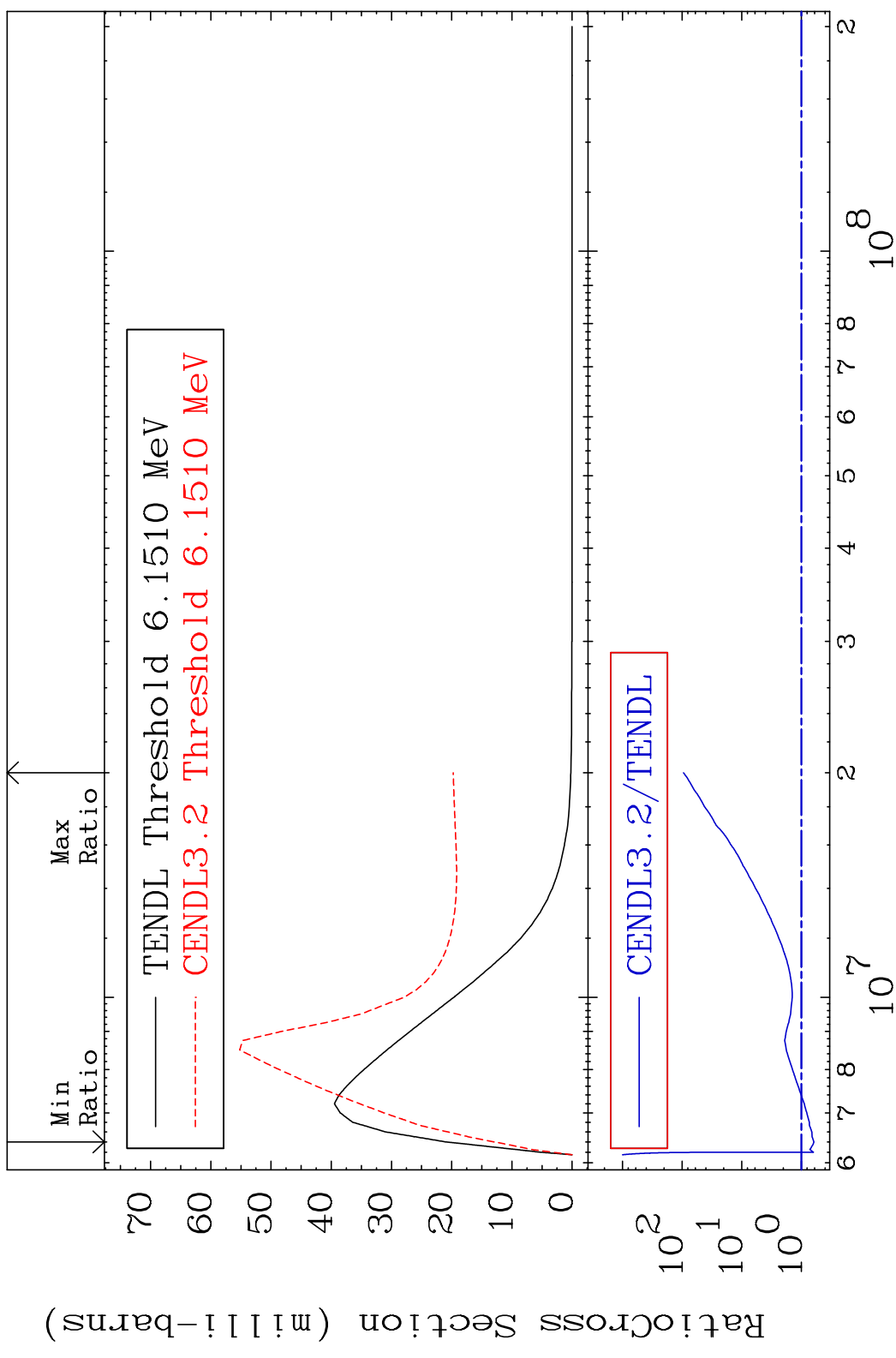
17 14-Si-30

MAT 1431 MT= 61 (n, n') Level 14-Si-30
 Cross Section -74.84 To 61.36 %



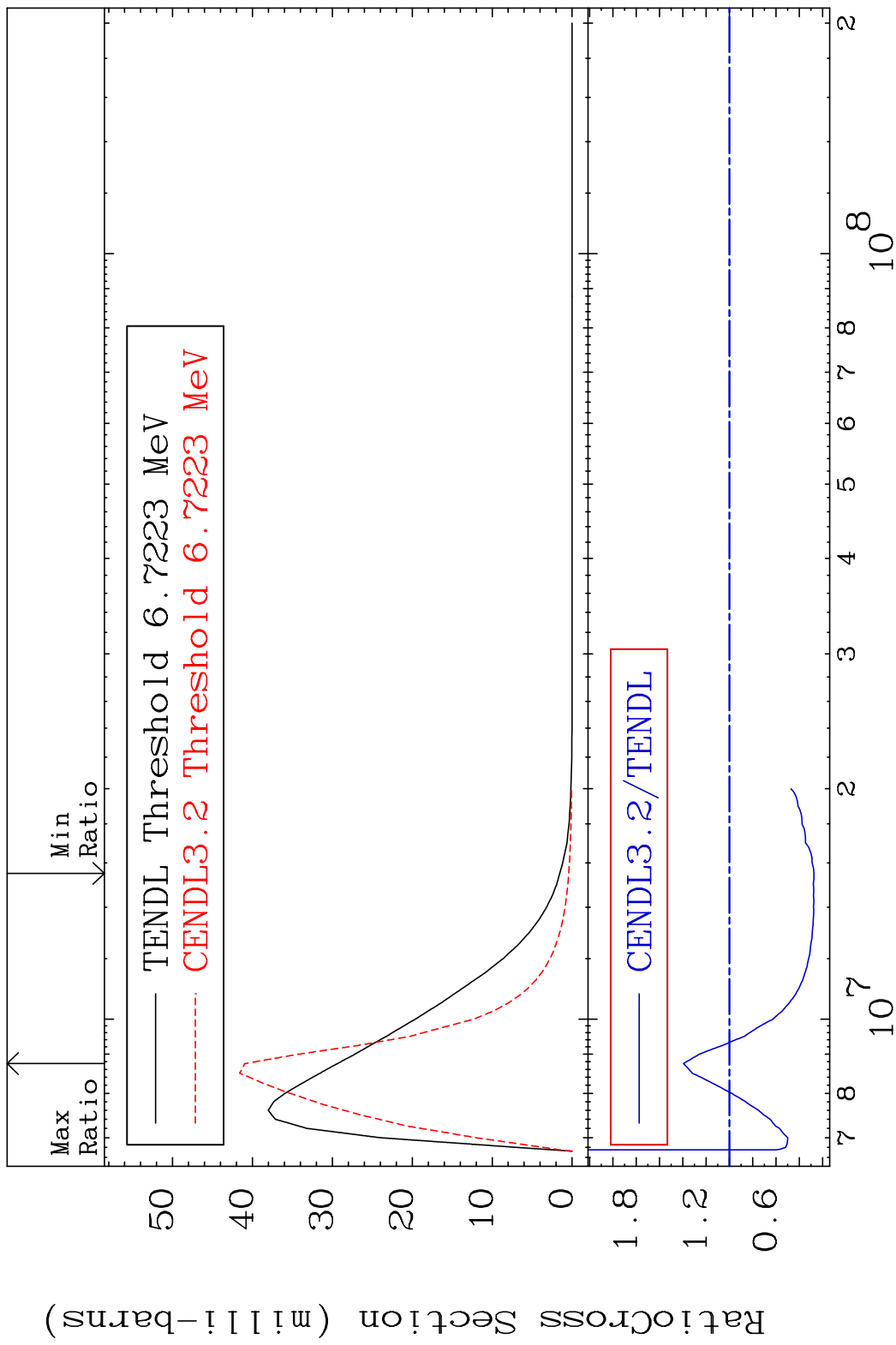
18 Incident Energy (eV) 14-Si-30

MAT 1431 MT= 62 (n, n') Level 14-Si-30
 Cross Section -38.35 To 9395. %



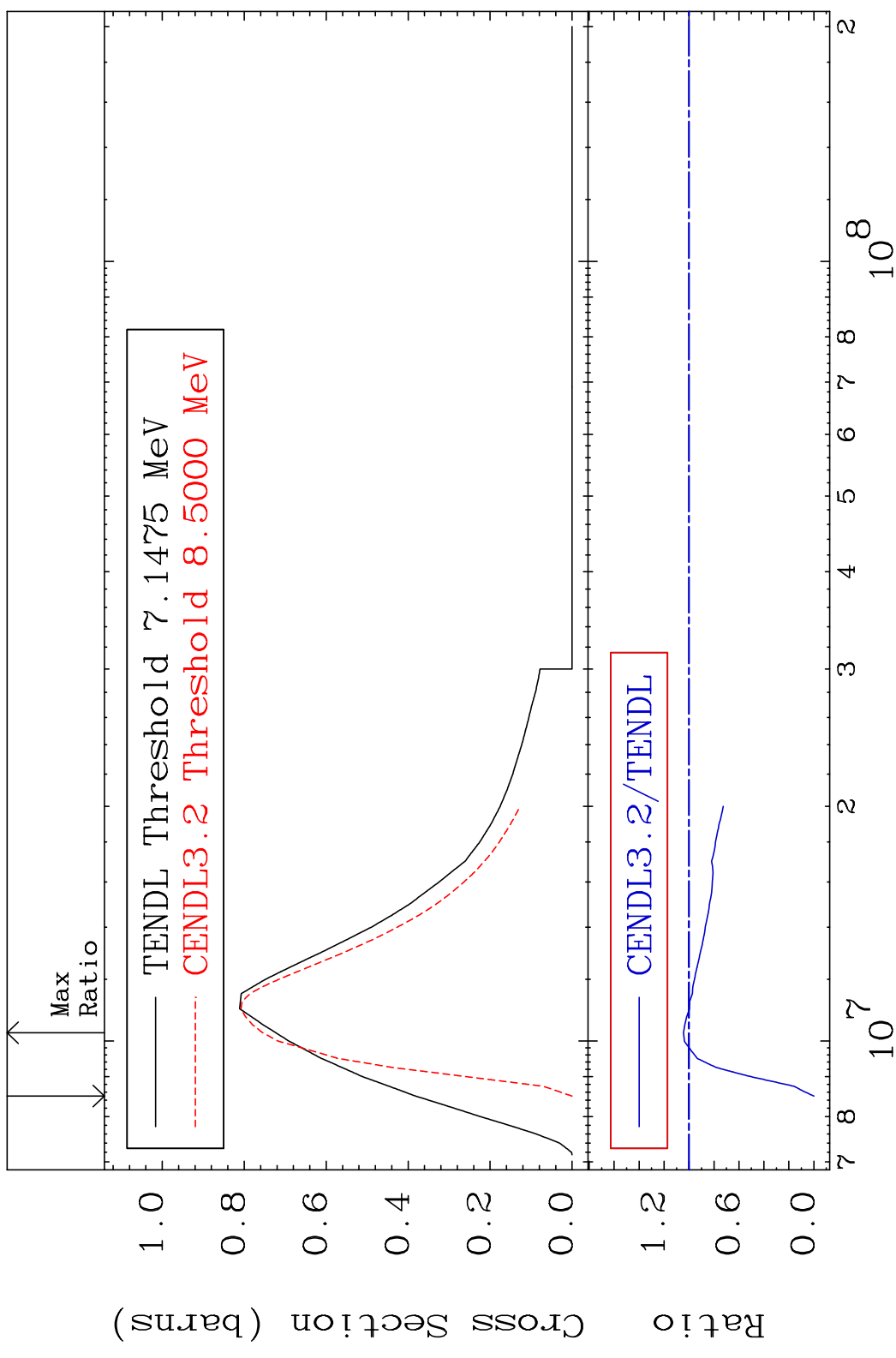
19 Incident Energy (eV) 14-Si-30

MAT 1431 MT= 63 (n, n') Level 14-Si-30
 Cross Section -72.48 To 39.46 %



20 Incident Energy (eV) 14-Si-30

MAT 1431 (n,n') Continuum 14-Si-30
 Cross Section -100.0 To 4.459 %



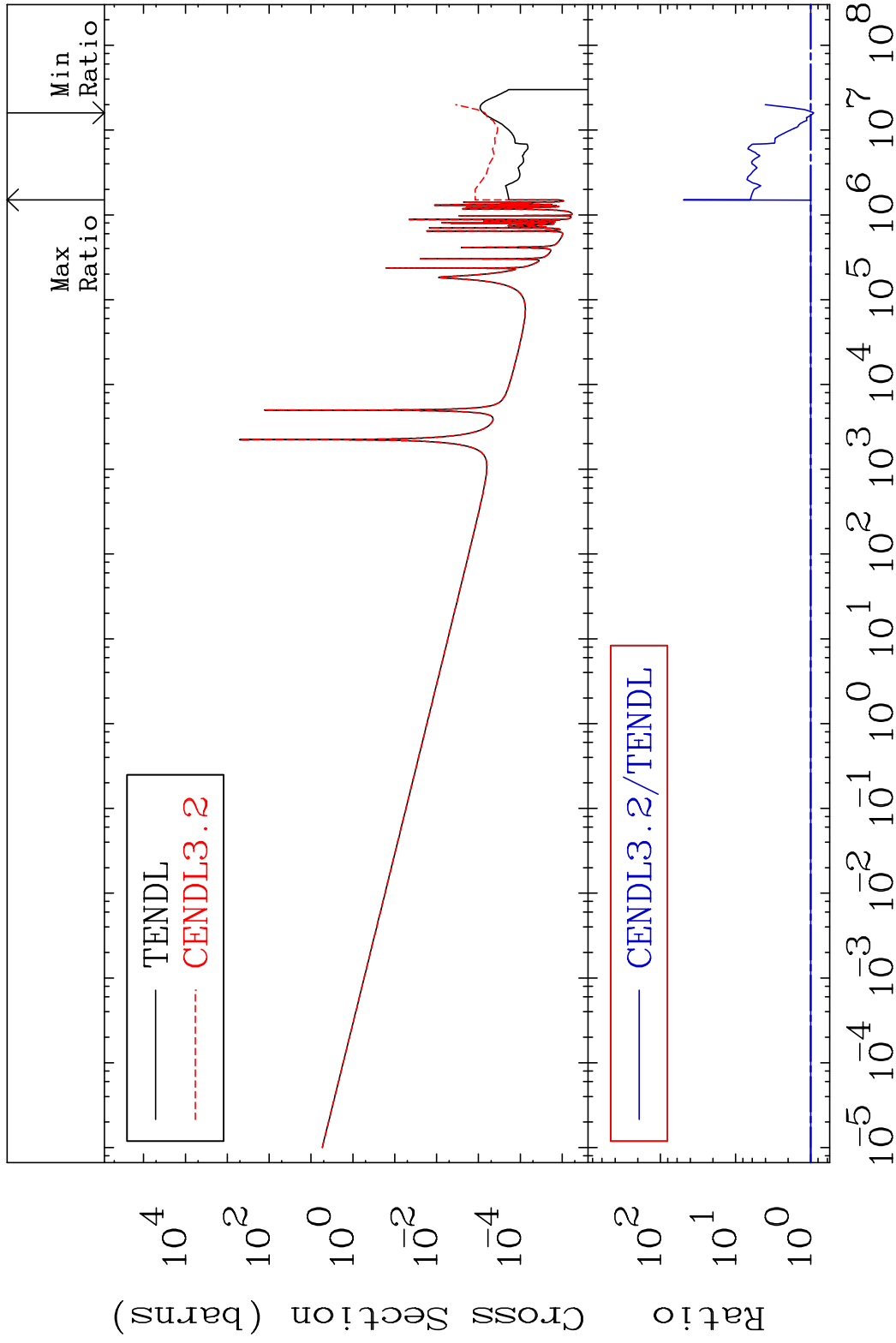
21 Incident Energy (eV) 14-Si-30

MAT 1431

(n, γ)

14-Si-30

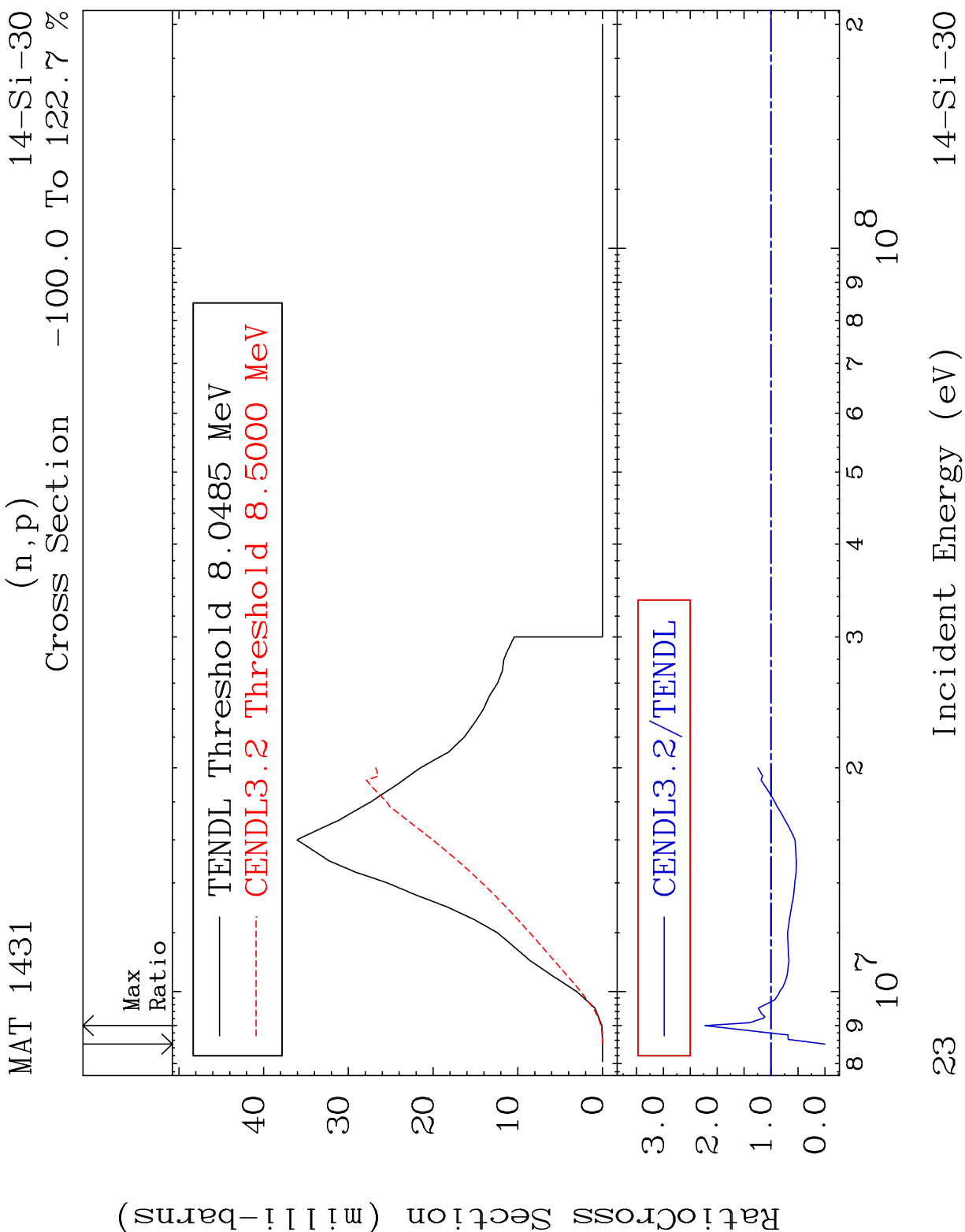
Cross Section -9.122 To 4849. %

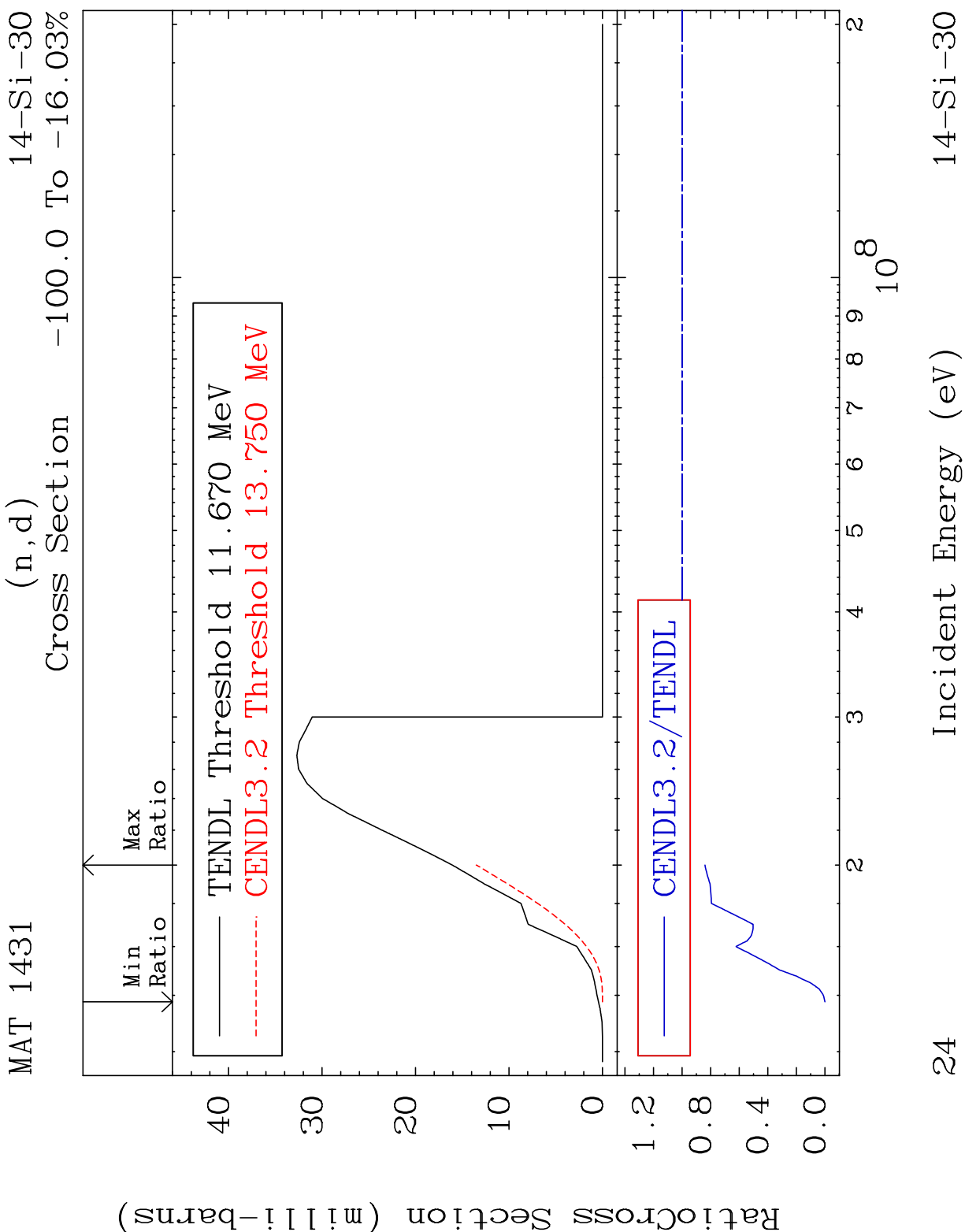


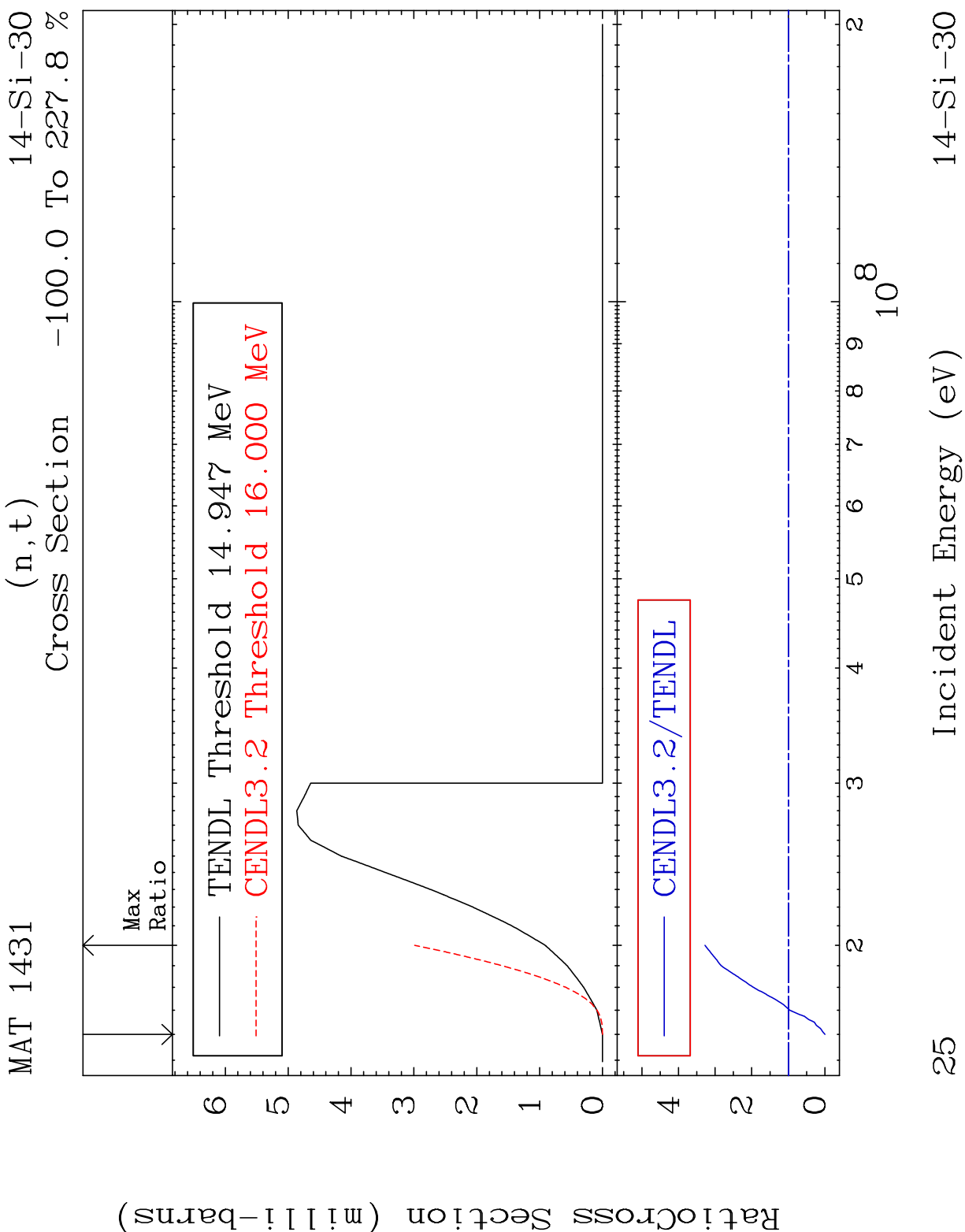
22

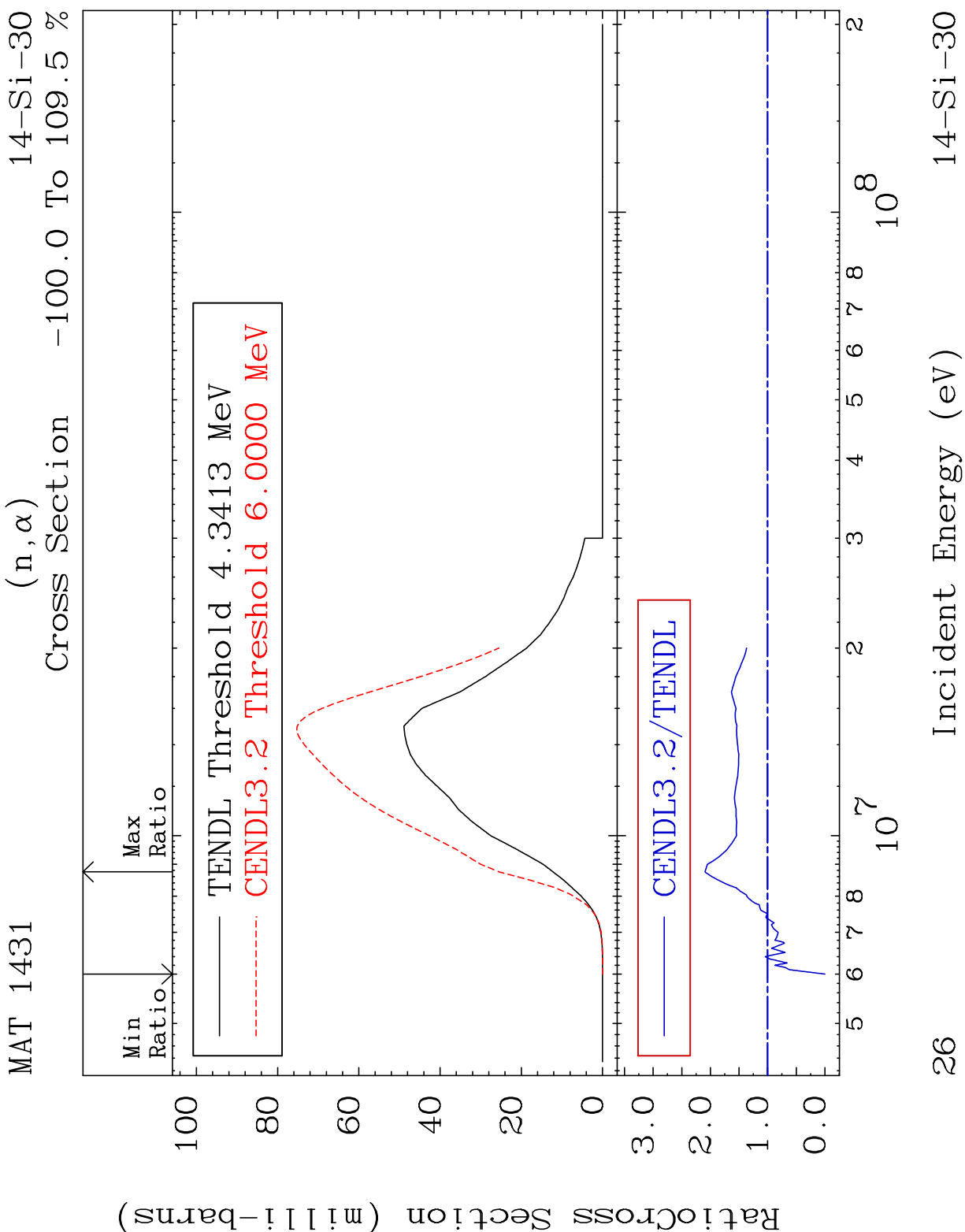
Incident Energy (eV)

14-Si-30

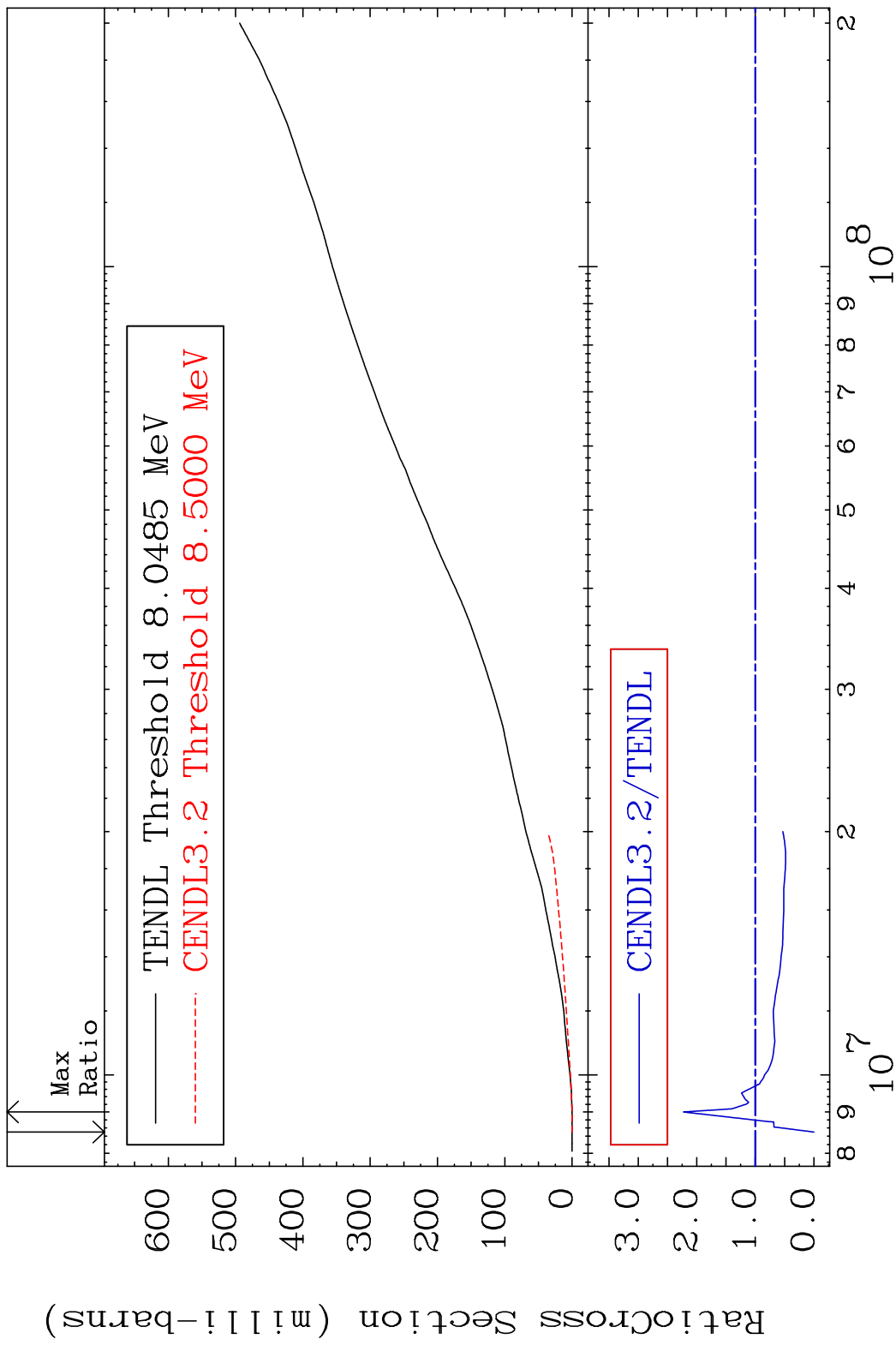


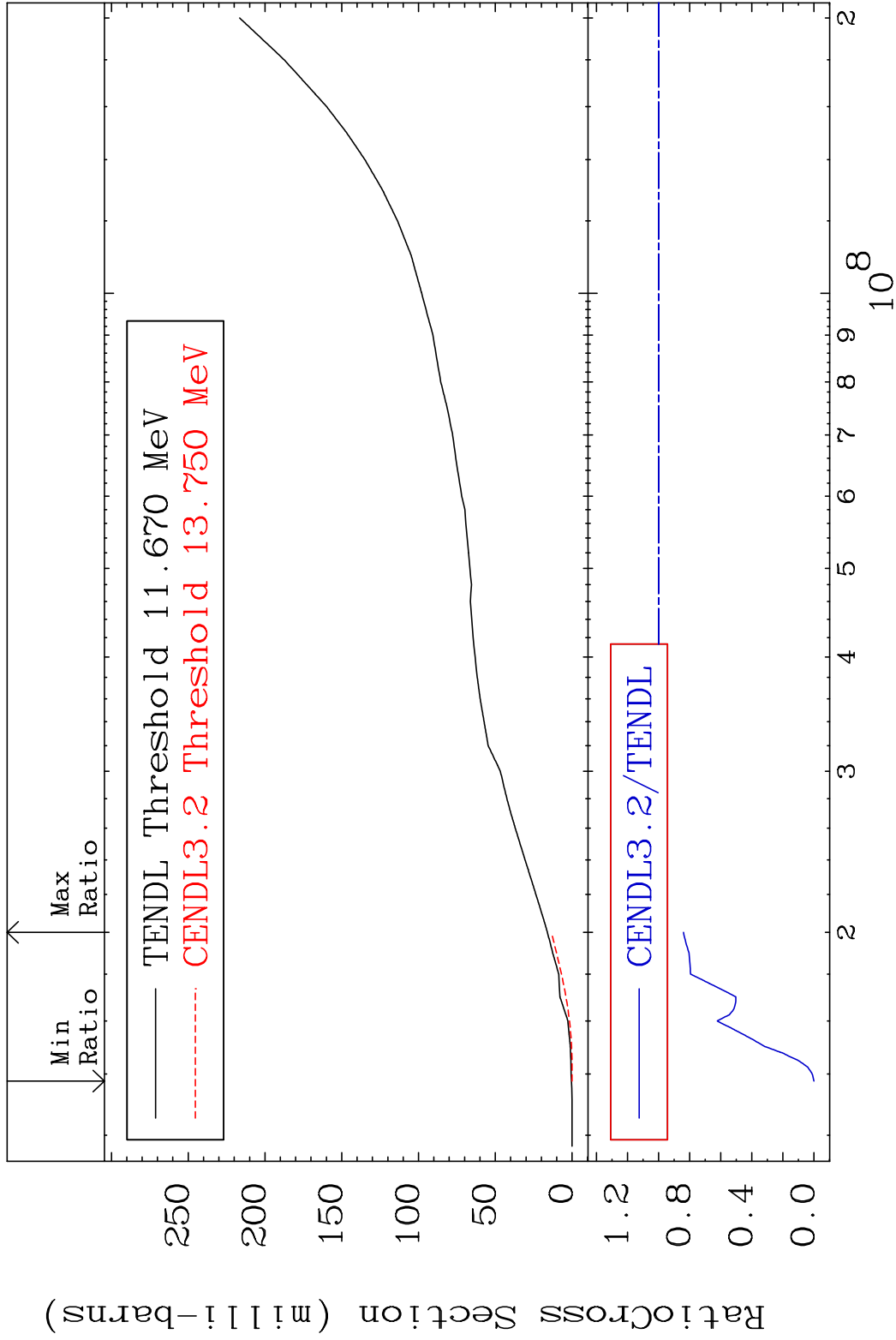




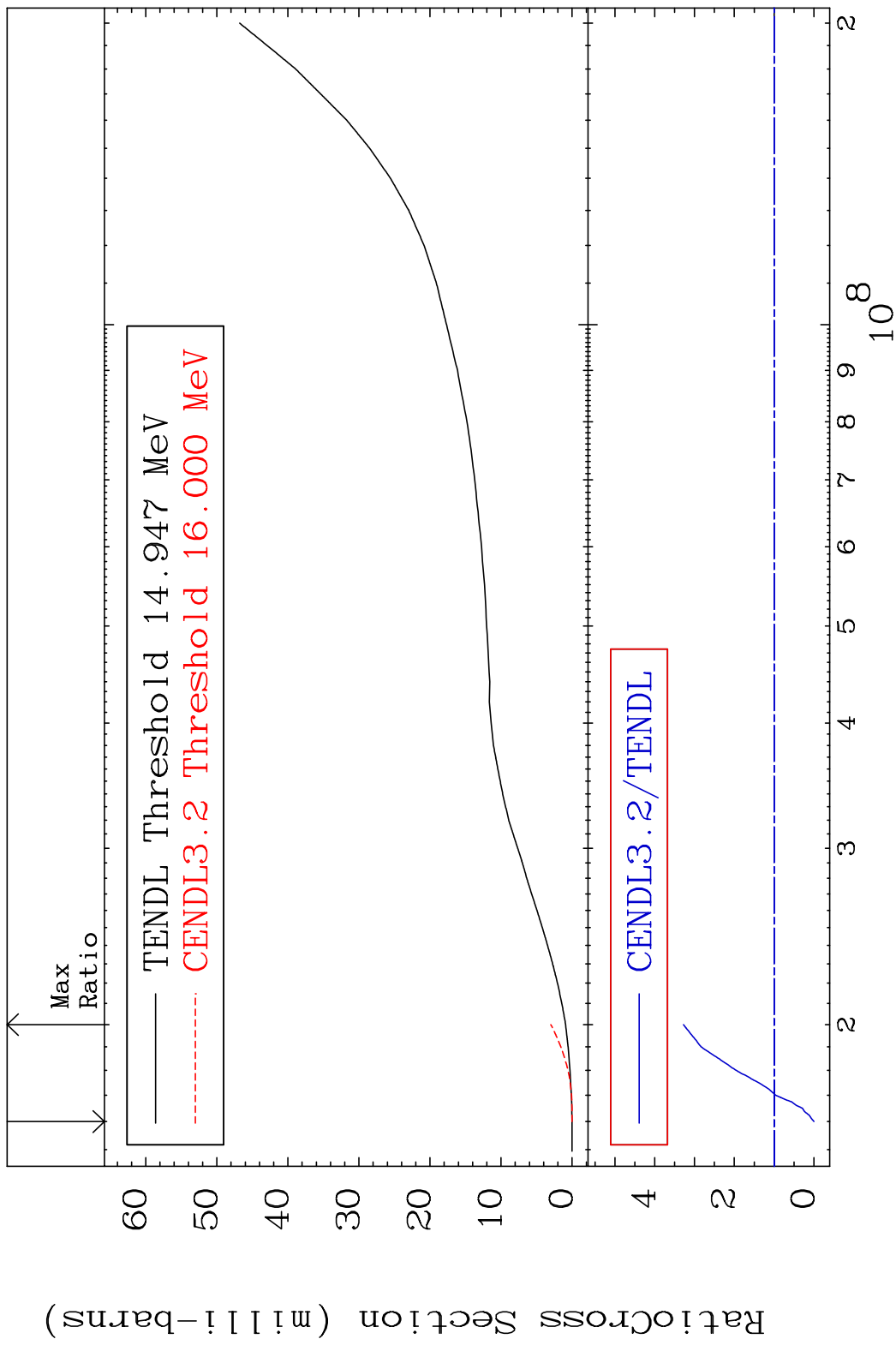


MAT 1431 Hydrogen Production 14-Si-30
 Cross Section -100.0 To 122.7 %



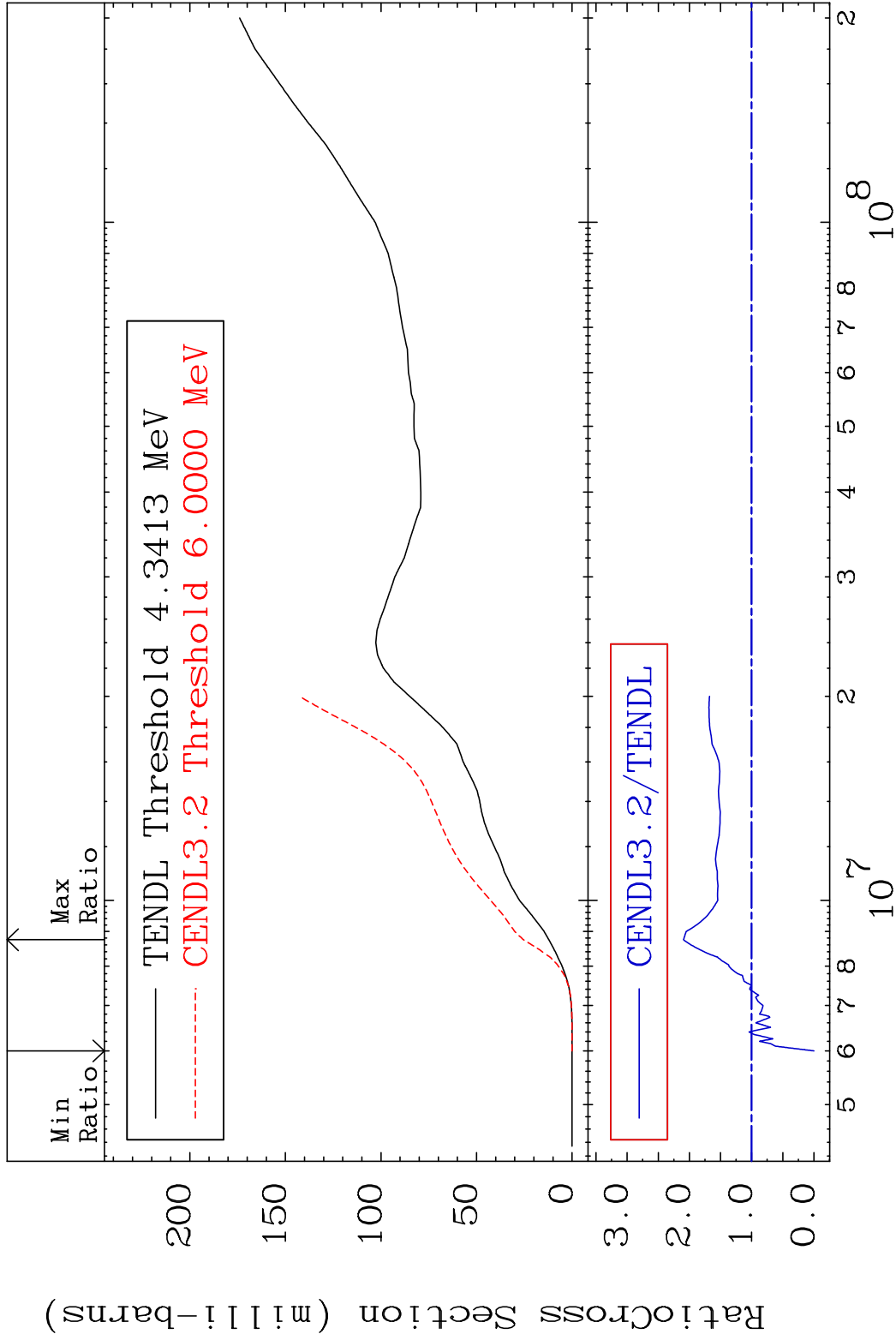


MAT 1431 Tritium Production 14-Si-30
 Cross Section -100.0 To 227.8 %



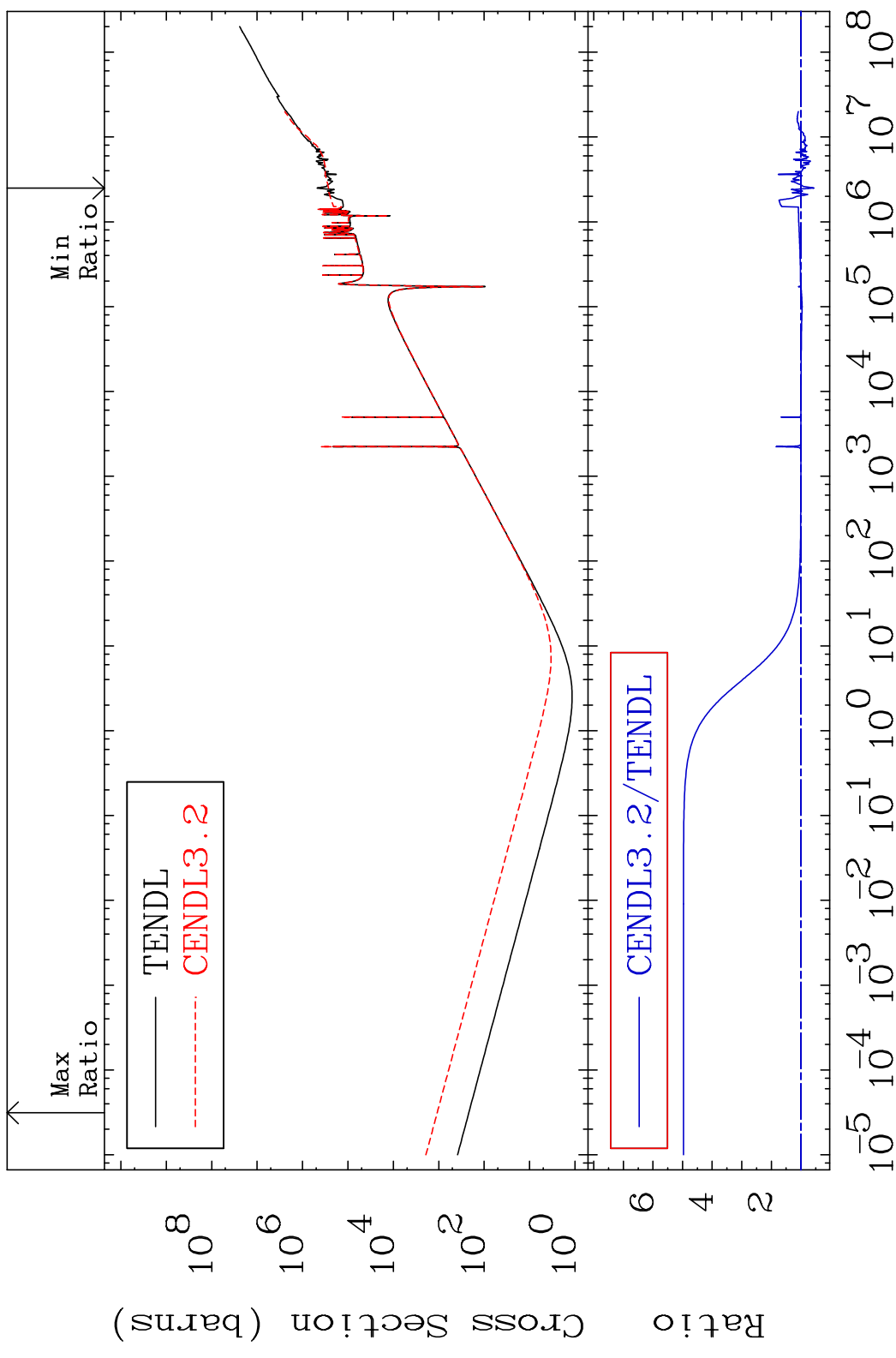
29 Incident Energy (eV) 14-Si-30

MAT 1431 He-4 Production 14-Si-30
 Cross Section -100.0 To 109.5 %



30 14-Si-30

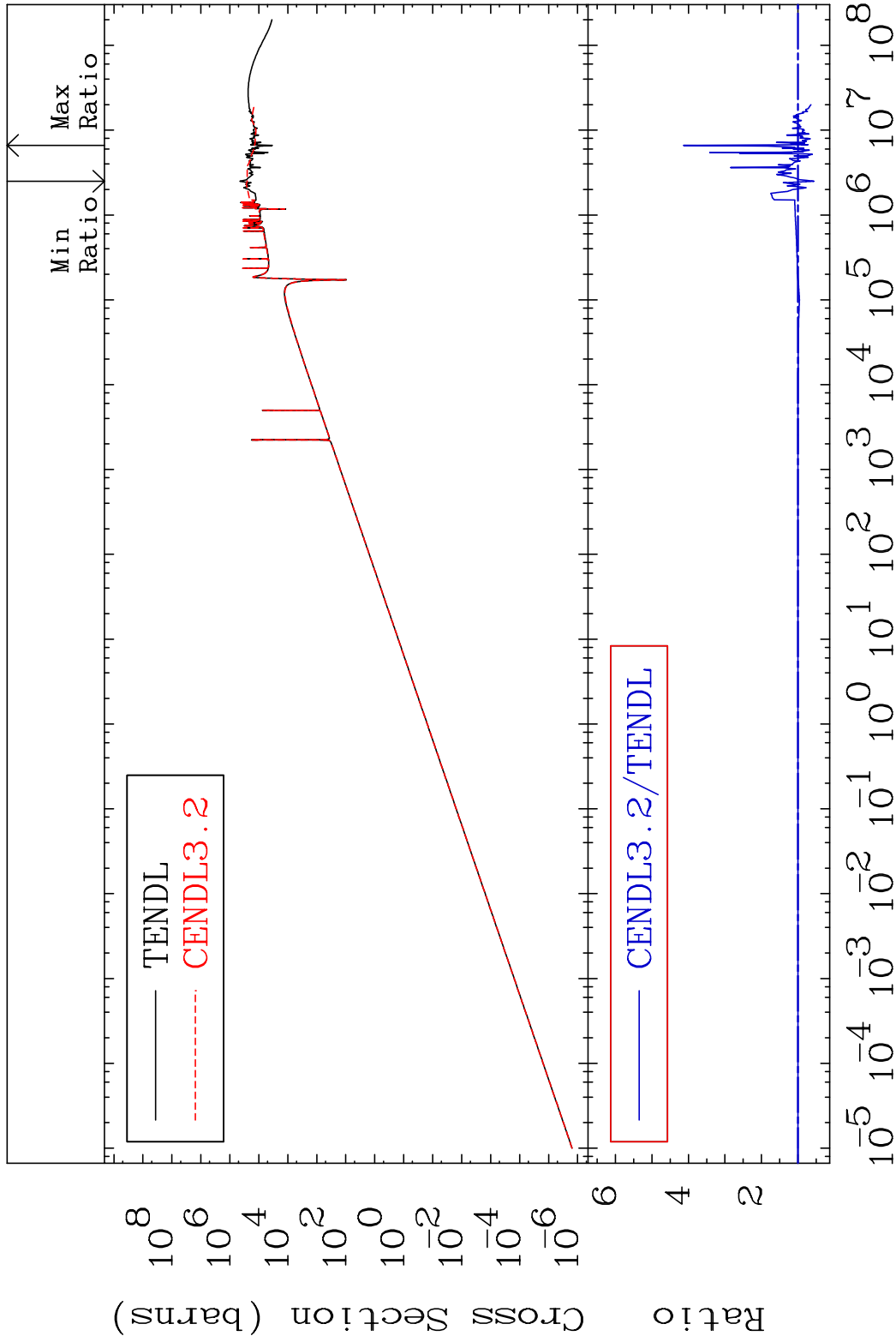
MAT 1431 Kerma total (eV-barns) 14-Si-30
 Cross Section -43.72 To 397.0 %



MAT 1431

Kerma elastic
Cross Section

14-Si-30
-43.77 To 313.7 %

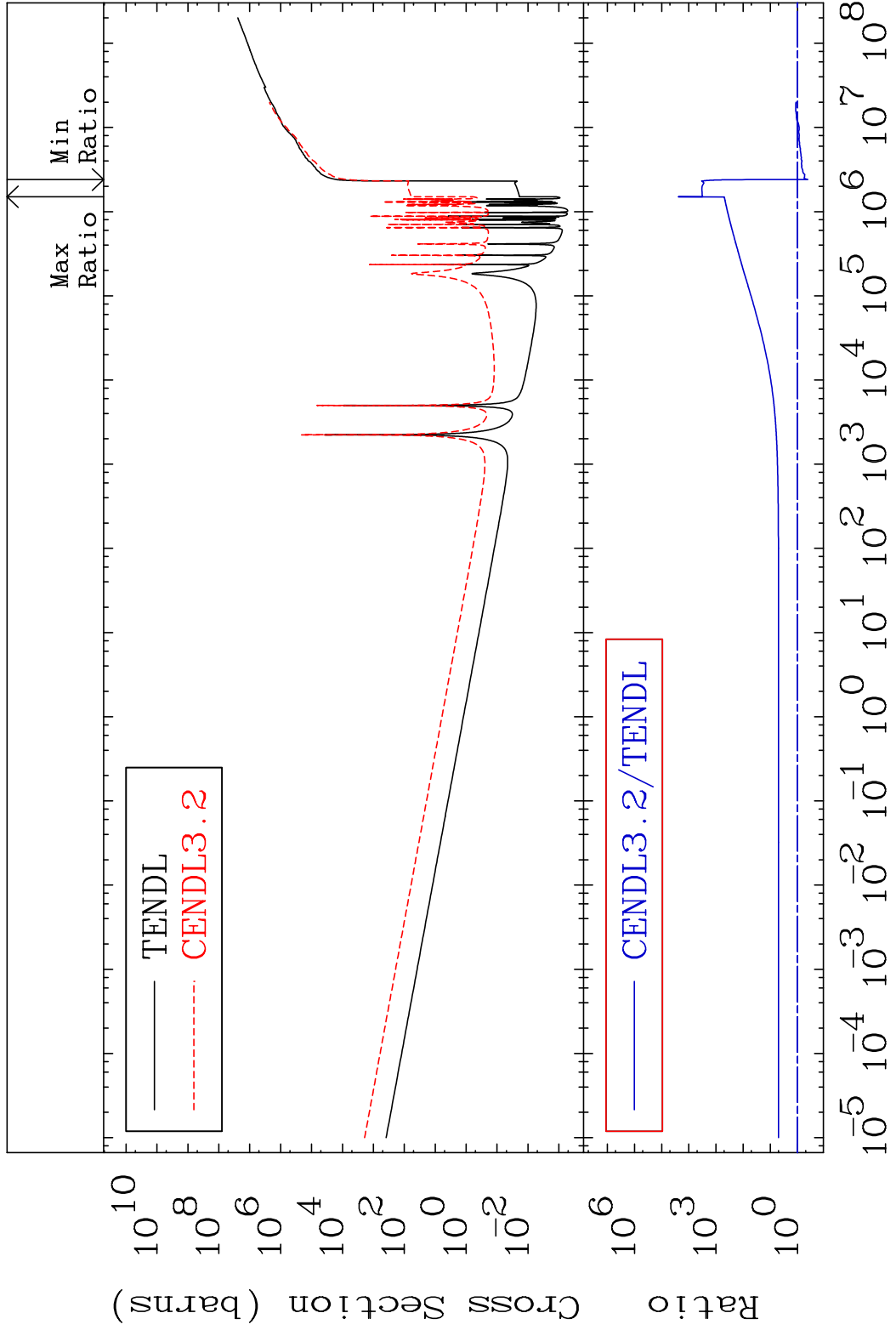


32

Incident Energy (eV)

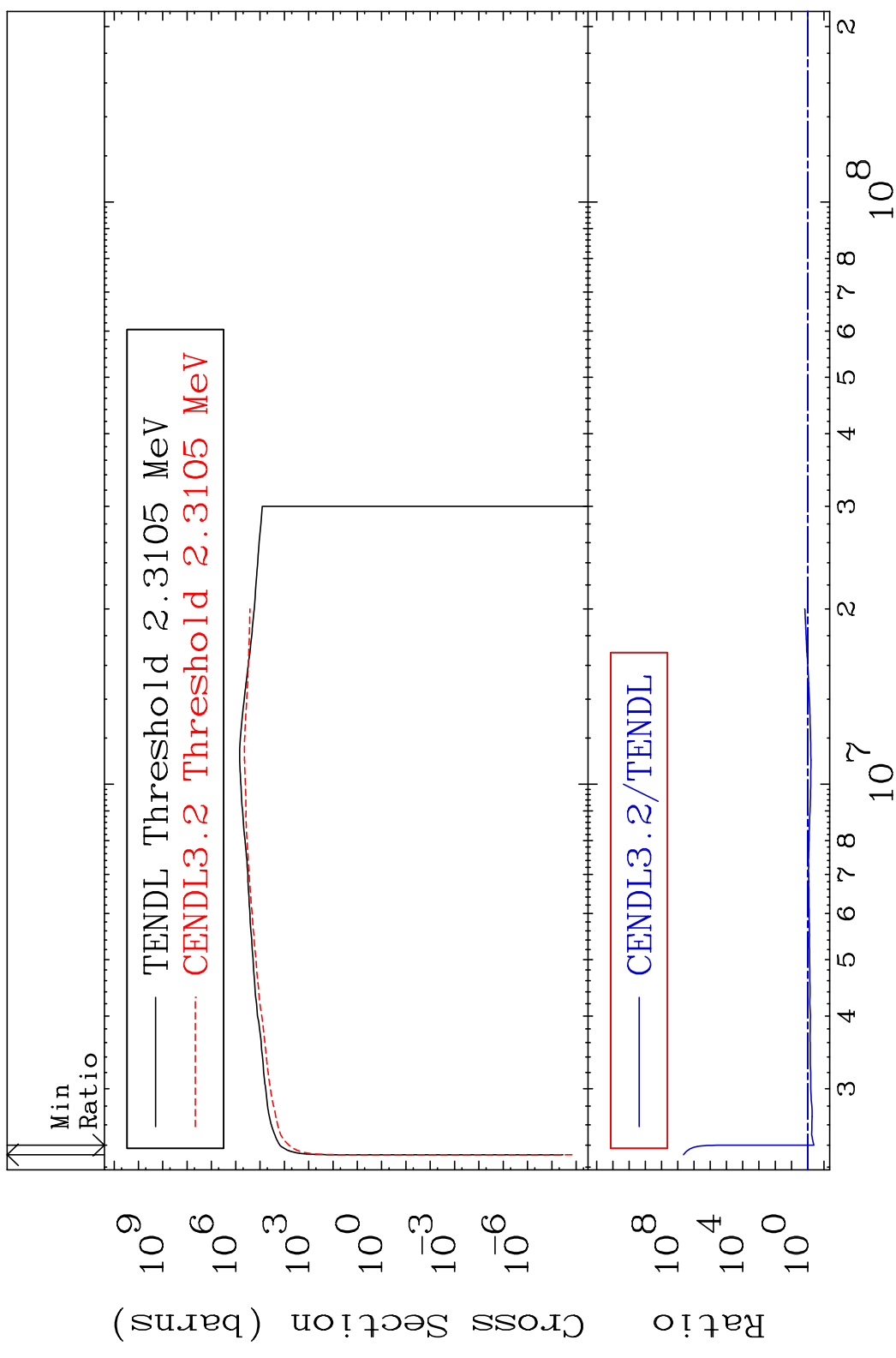
14-Si-30

MAT 1431 Kerma non-elastic (all but mt2) 14-Si-30
 Cross Section -58.09 To 9999. %

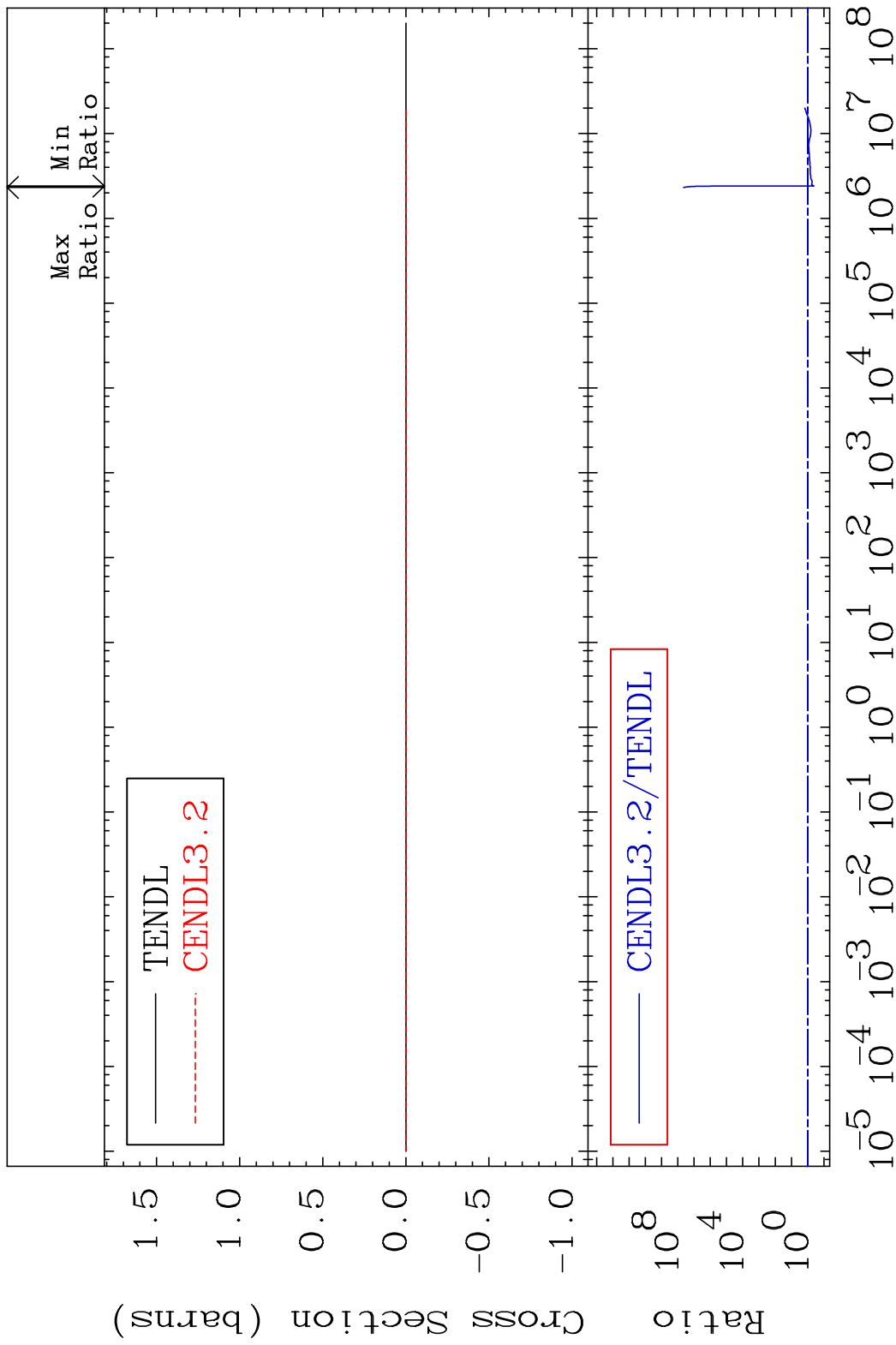


33 Incident Energy (eV) 14-Si-30

MAT 1431 Kerma inelastic (mt51-91) 14-Si-30
 Cross Section -58.55 To 9999. %

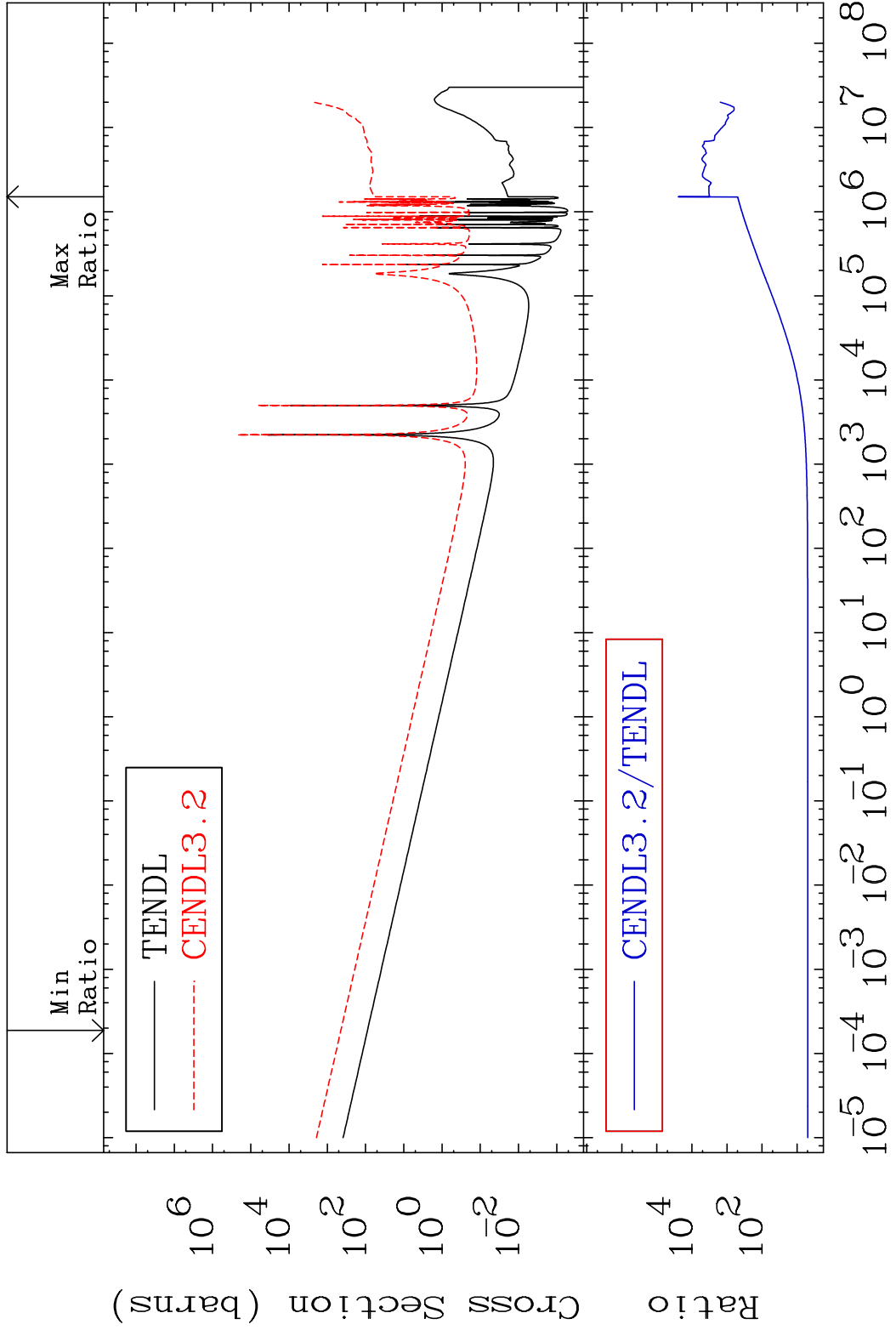


MAT 1431 Kerma fission (mt18 or mt19-20-21-38) 14-Si-30
 Cross Section -58.55 To 9999. %



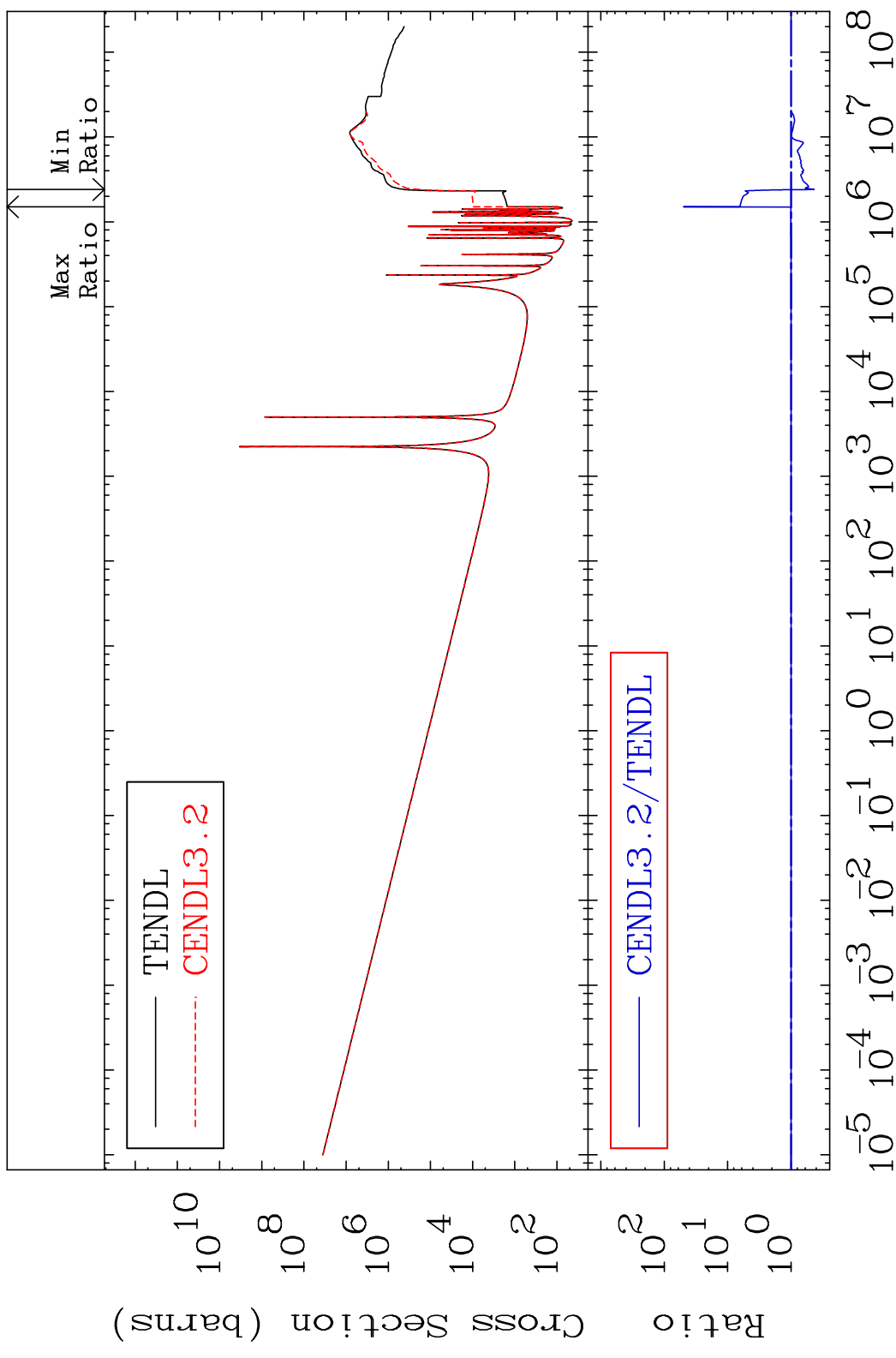
35 Incident Energy (eV) 14-Si-30

MAT 1431 Kerma capture (mt102) 14-Si-30
 Cross Section 397.0 To 9999. %



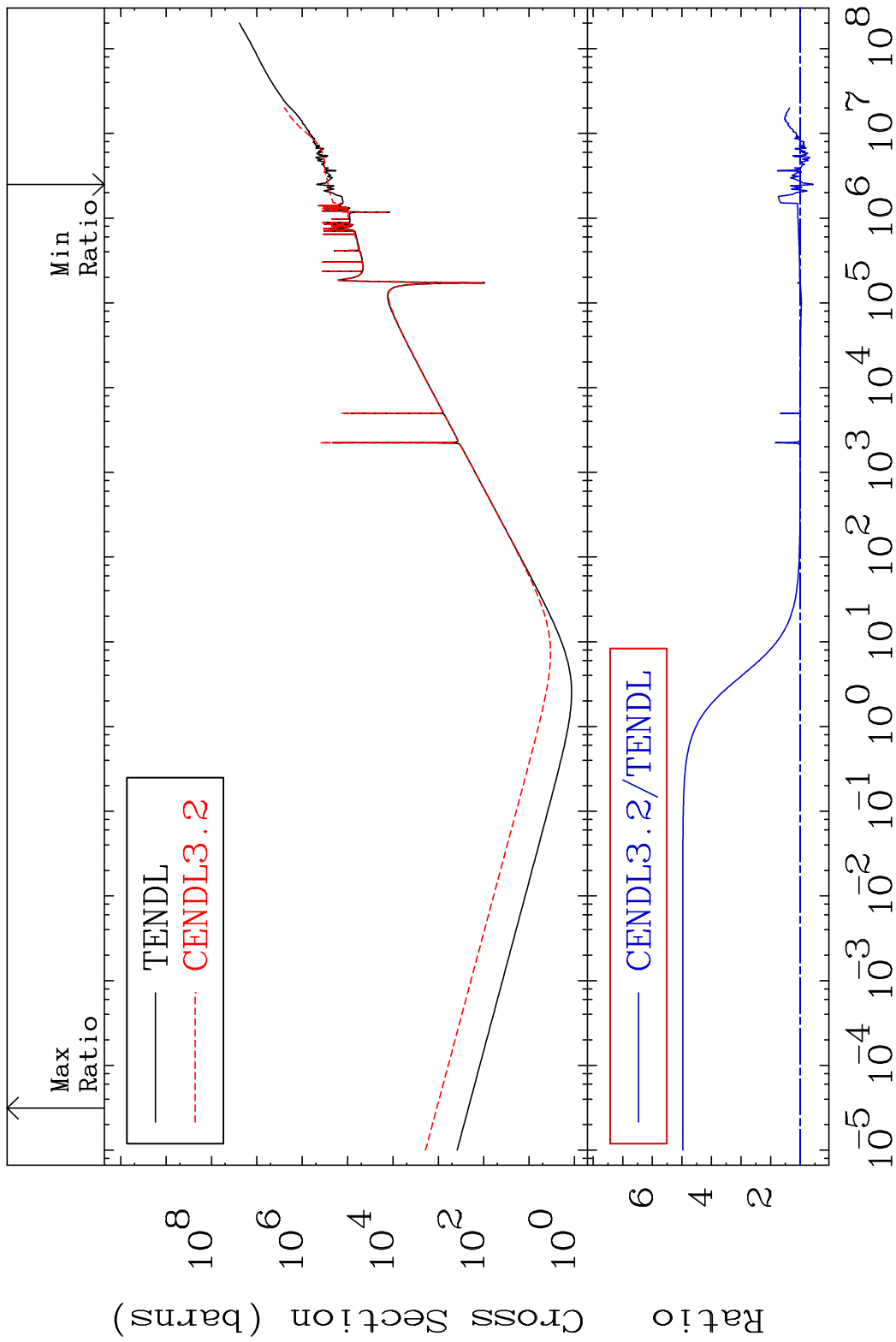
36 Incident Energy (eV) 14-Si-30

MAT 1431 Total photon (eV-barns) 14-Si-30
 Cross Section -56.33 To 4882. %

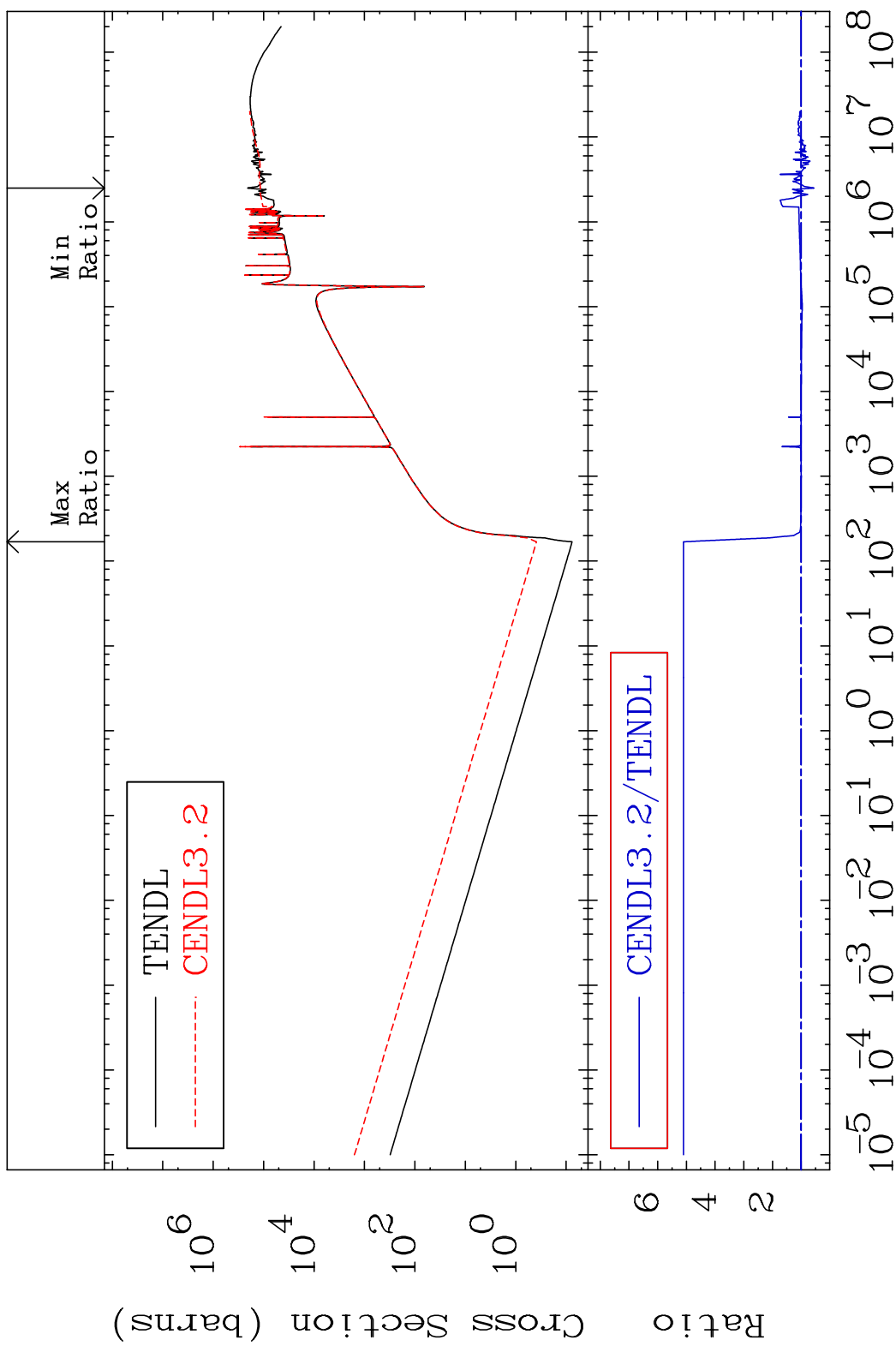


37 Incident Energy (eV) 14-Si-30

MAT 1431 Total kinematic kerma (high limit) 14-Si-30
 Cross Section -43.72 To 397.0 %

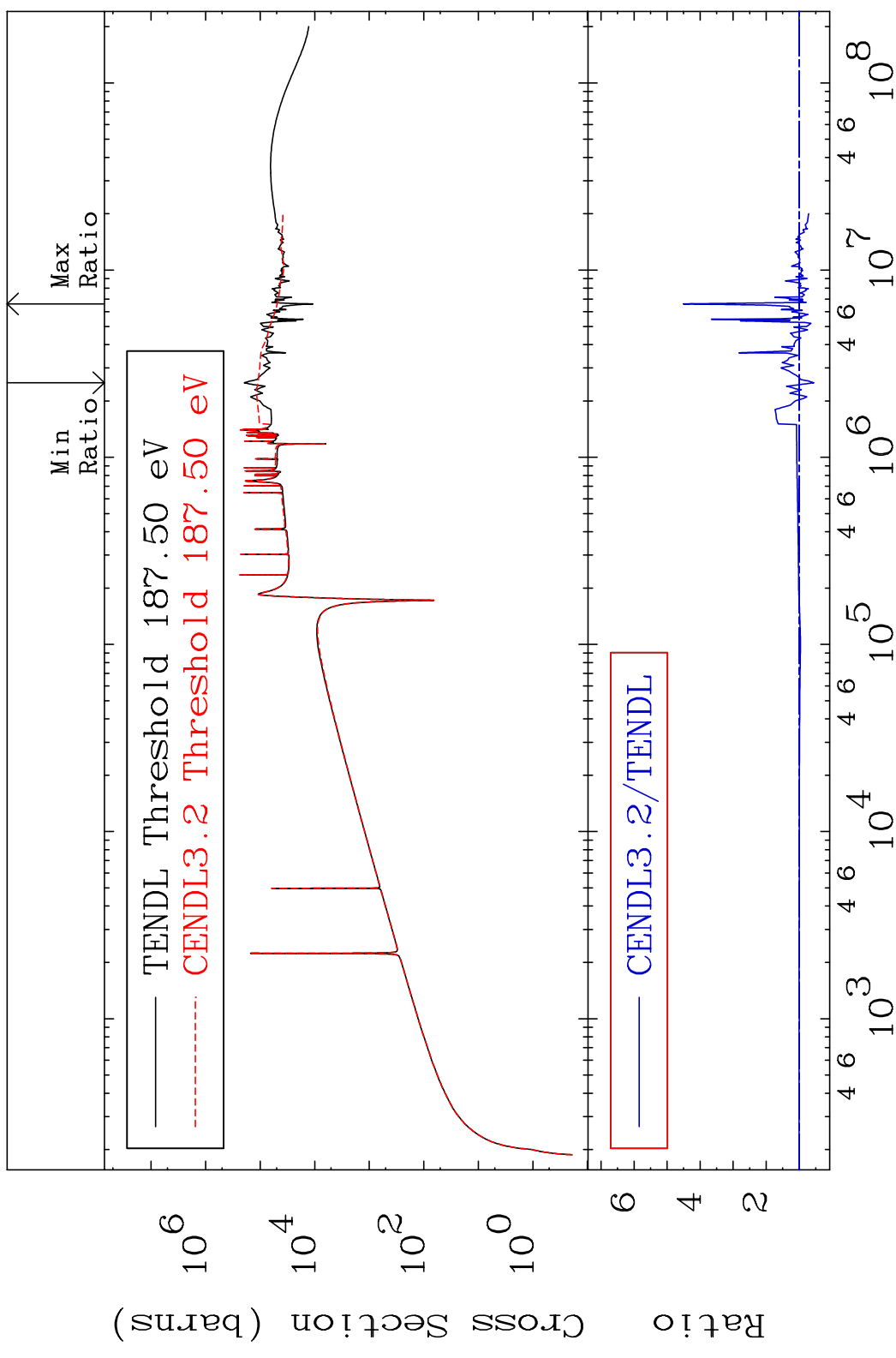


MAT 1431 Dpa total (eV-barns) 14-Si-30
 Cross Section -44.28 To 410.2 %



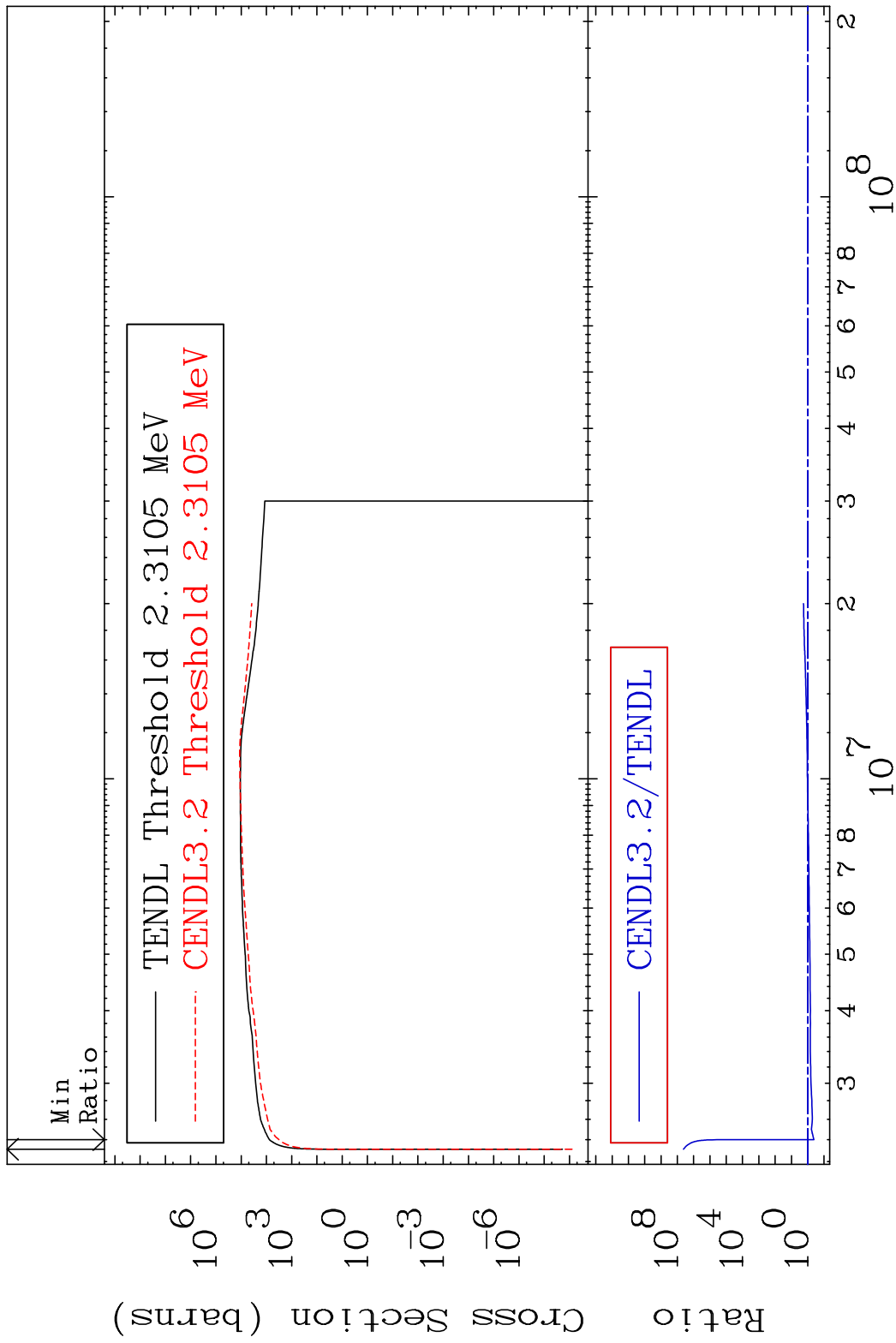
39 Incident Energy (eV) 14-Si-30

MAT 1431 Dpa elastic (mt2) 14-Si-30
 Cross Section -44.47 To 350.4 %



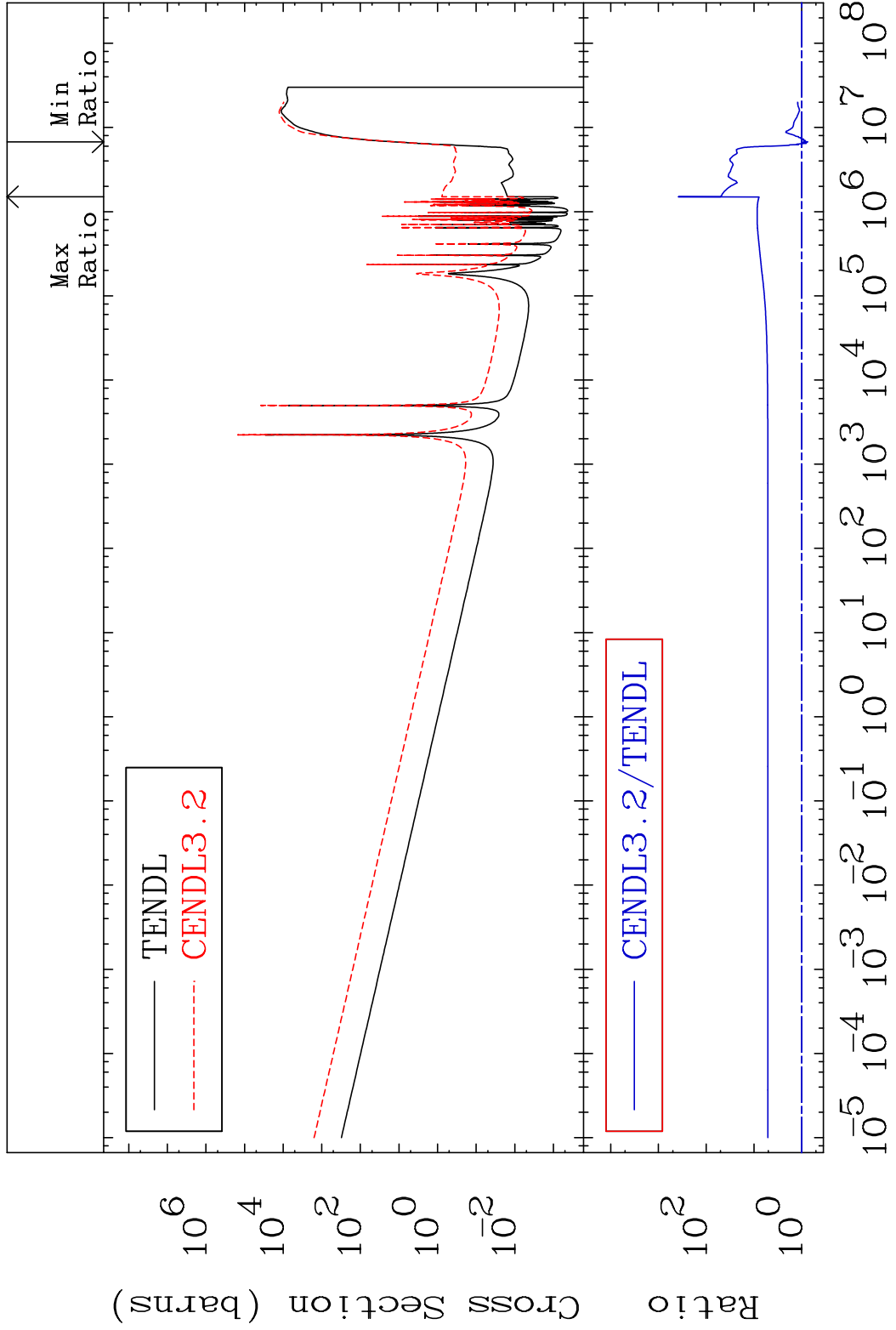
40 Incident Energy (eV) 14-Si-30

MAT 1431 Dpa inelastic (mt51-91) 14-Si-30
 Cross Section -57.94 To 9999. %



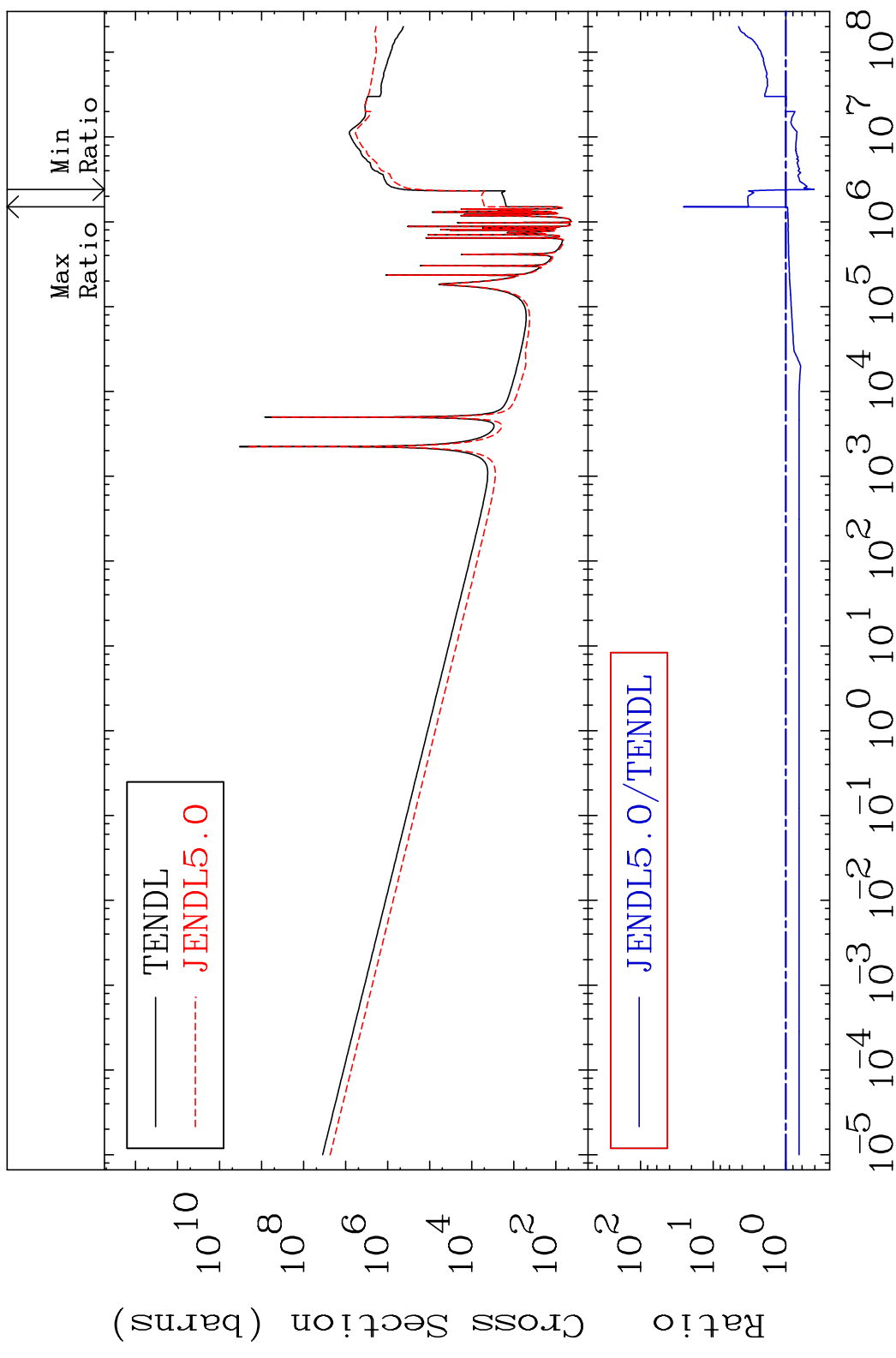
41 Incident Energy (eV) 14-Si-30

MAT 1431 Dpa disappearance (mt102 -120) 14-Si-30
 Cross Section -25.31 To 9999. %



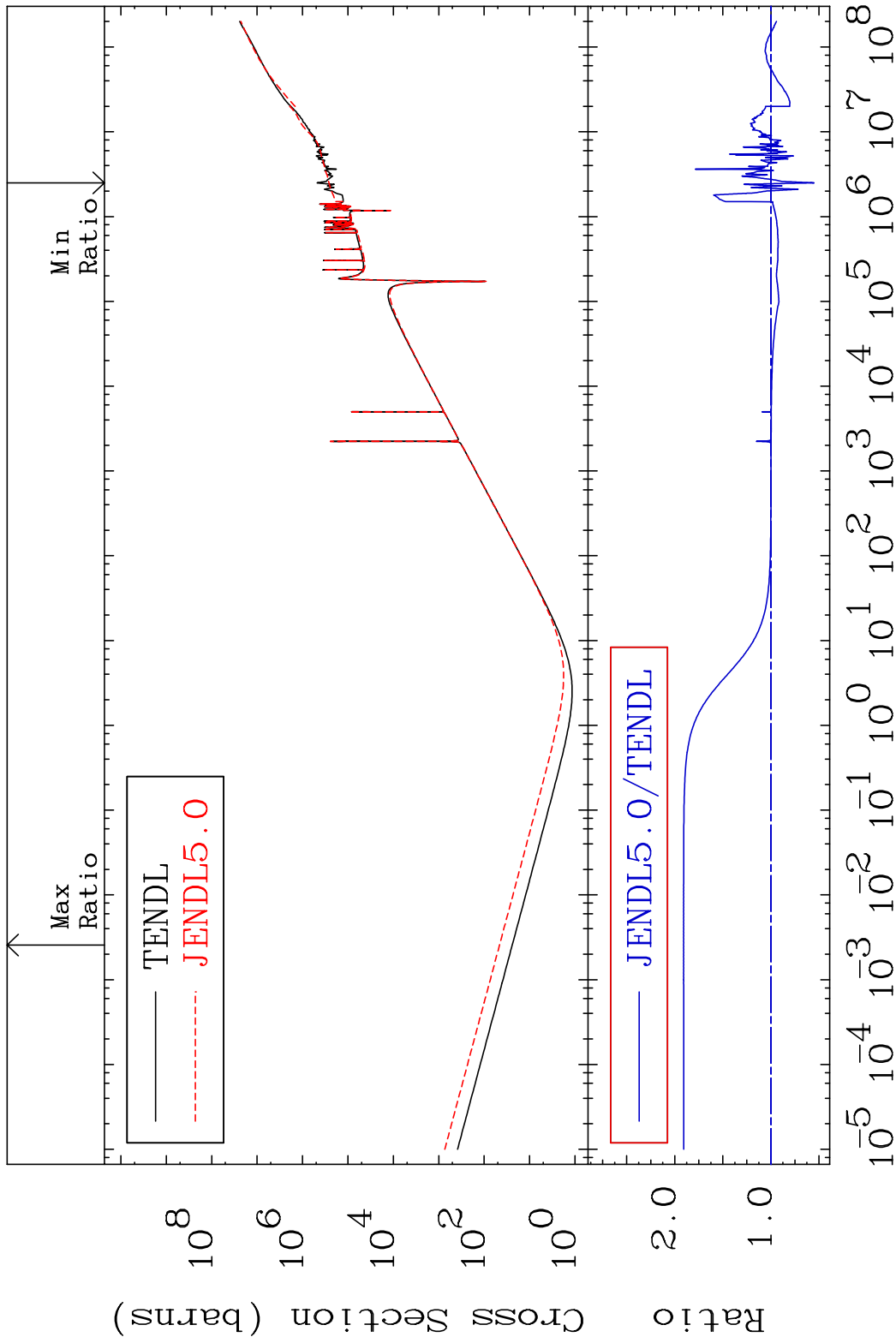
42 Incident Energy (eV) 14-Si-30

MAT 1431 Total photon (eV-barns) 14-Si-30
 Cross Section -58.73 To 2470. %

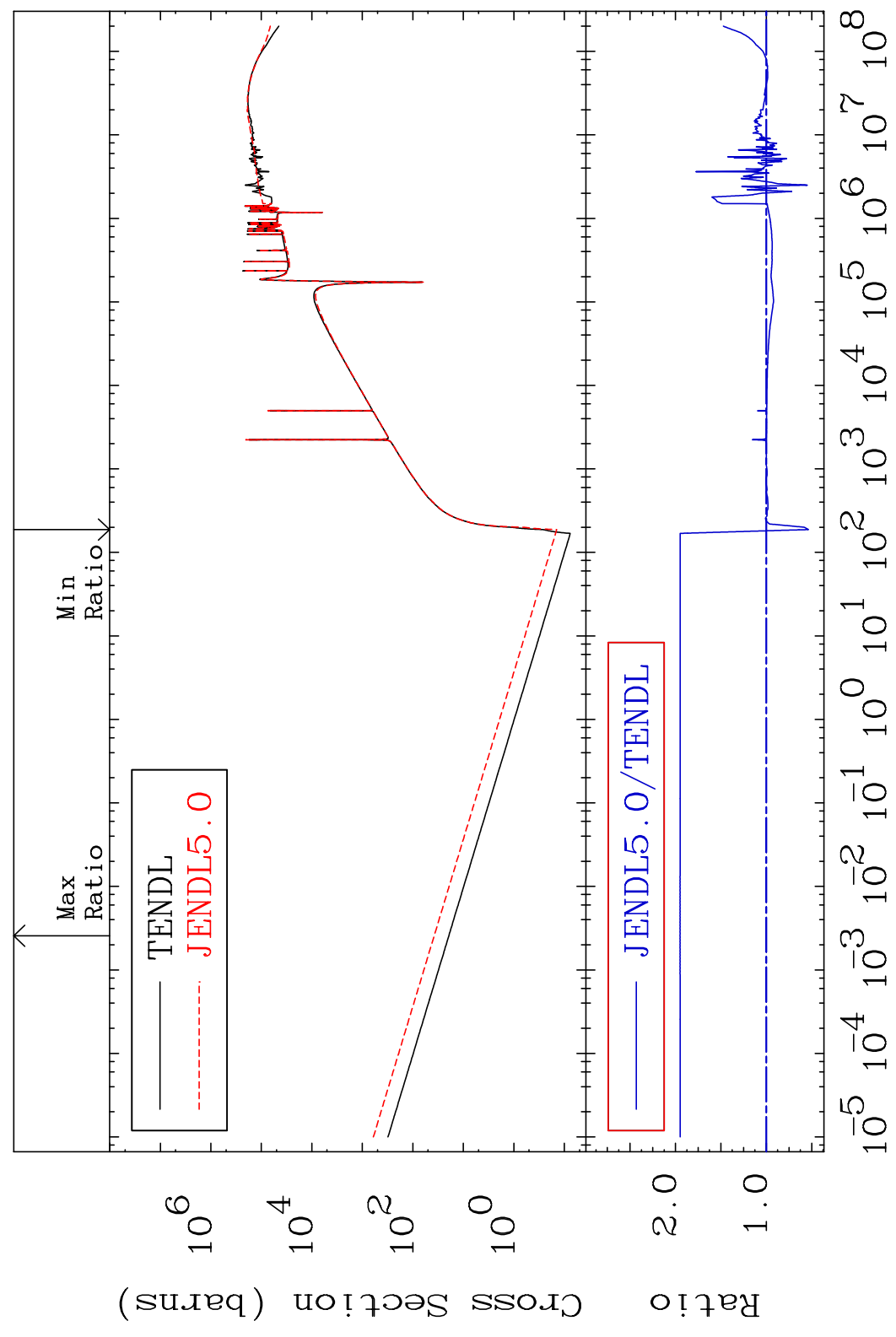


43 Incident Energy (eV) 14-Si-30

MAT 1431 Total kinematic kerma (high limit) 14-Si-30
 Cross Section -44.71 To 90.96 %

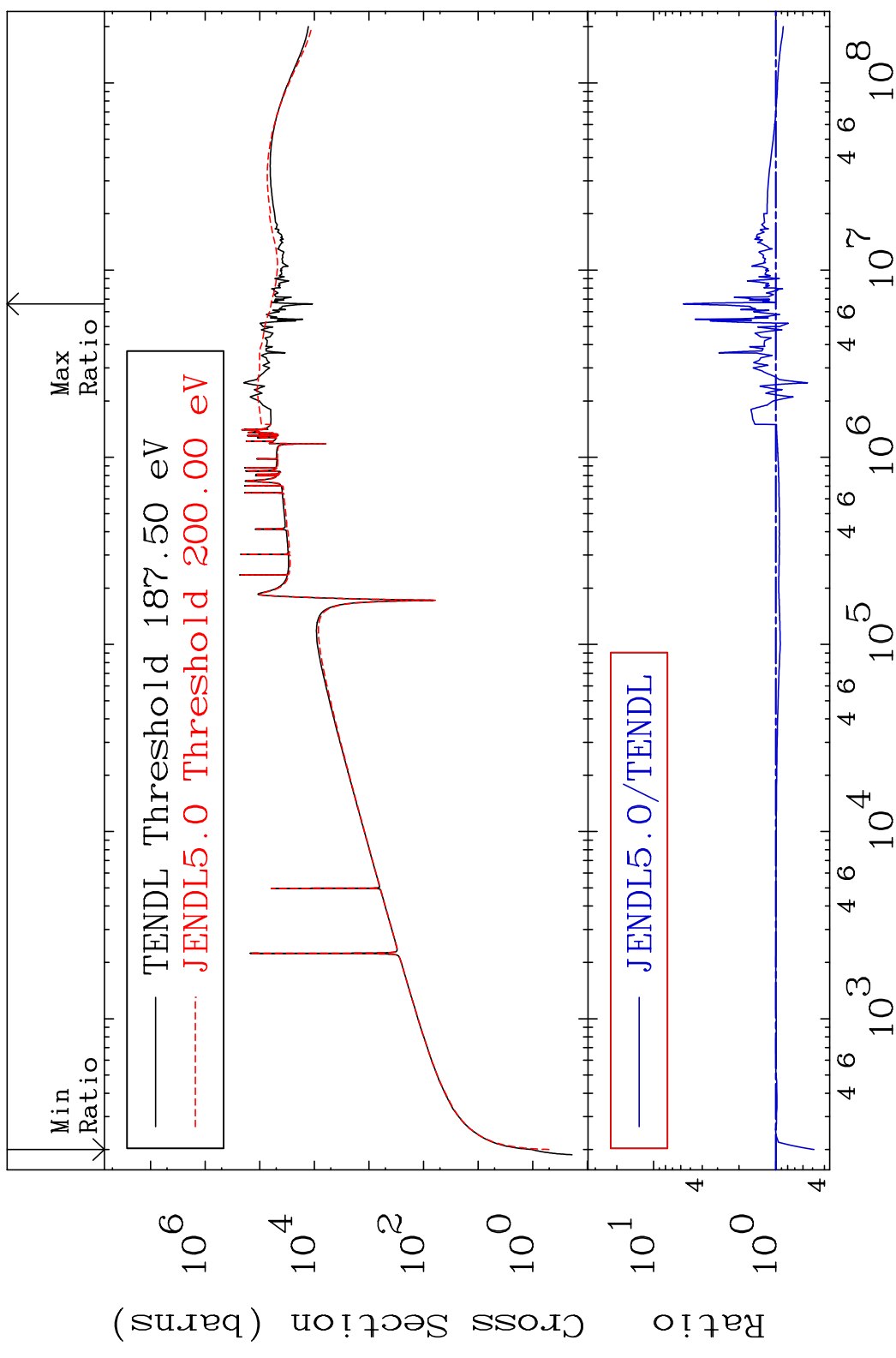


MAT 1431 Dpa total (eV-barns) 14-Si-30
Cross Section -46.30 To 95.10 %



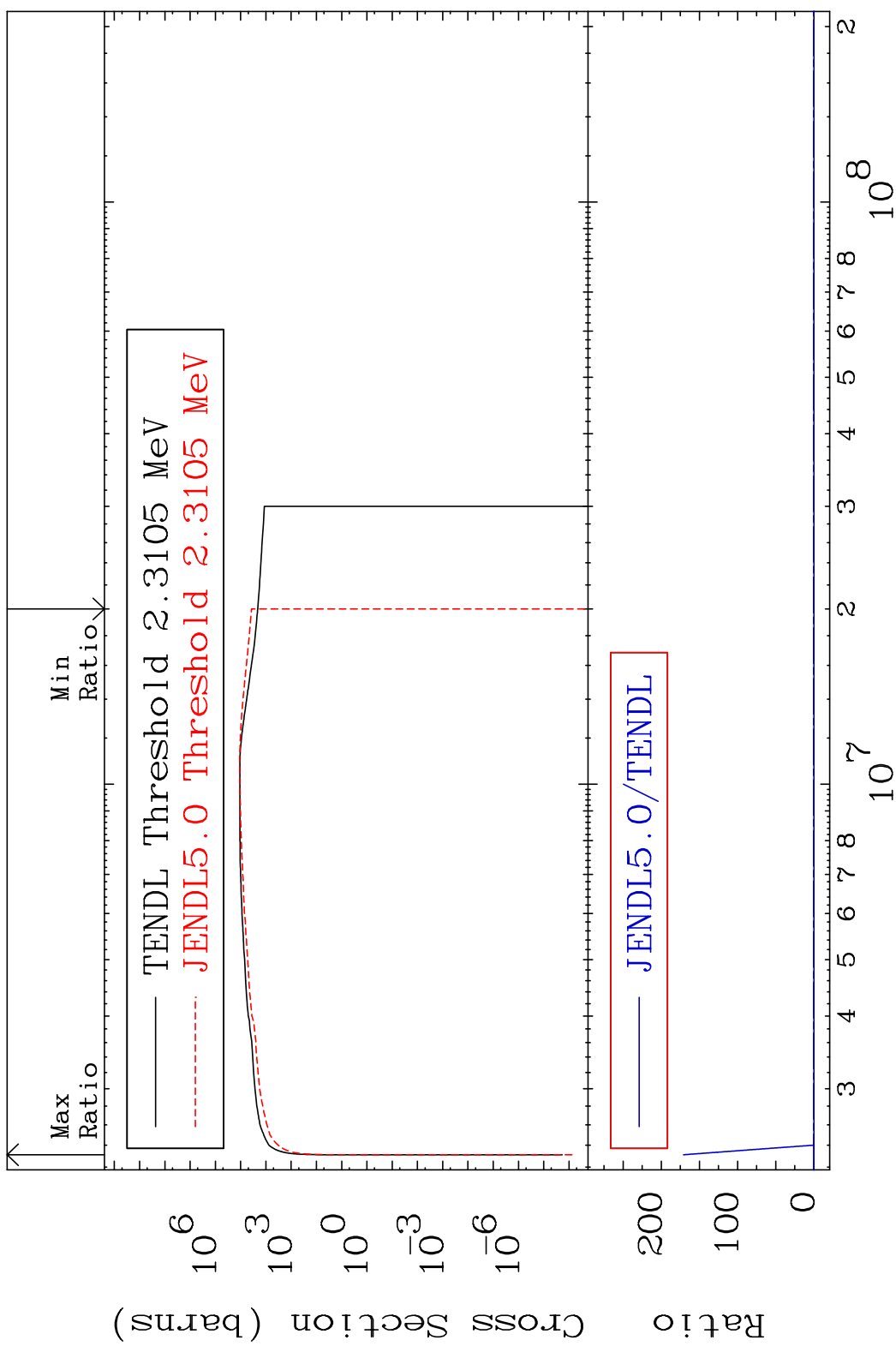
45 Incident Energy (eV) 14-Si-30

MAT 1431 Dpa elastic (mt2) 14-Si-30
 Cross Section -51.14 To 469.6 %



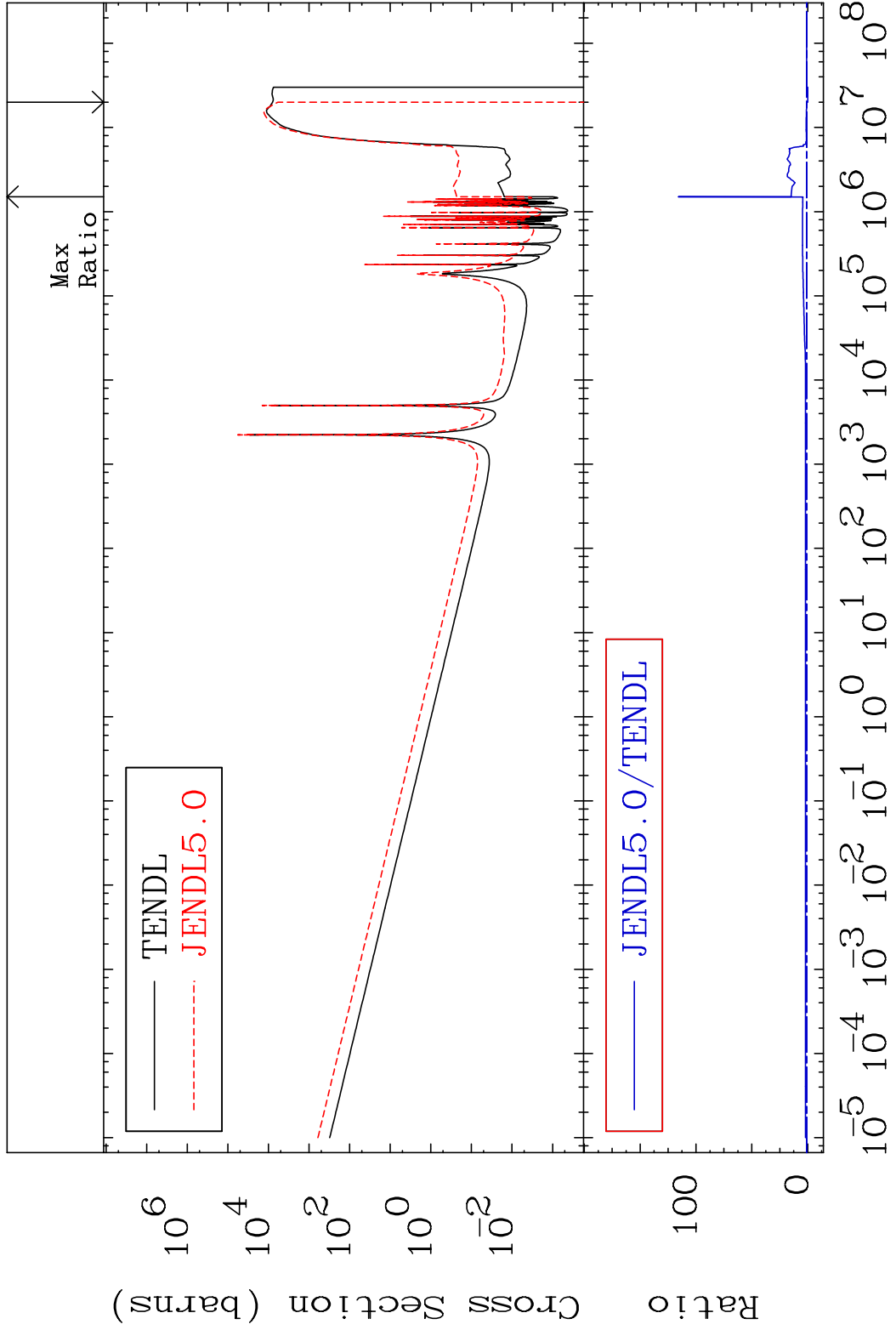
46 Incident Energy (eV) 14-Si-30

MAT 1431 Dpa inelastic (mt51-91) 14-Si-30
 Cross Section -100.0 To 9999. %



47 Incident Energy (eV) 14-Si-30

MAT 1431 Dpa disappearance (mt102 -120) 14-Si-30
 Cross Section -100.0 To 9999. %



48 Incident Energy (eV) 14-Si-30