

Program Complot
(Version 2021-1)

by

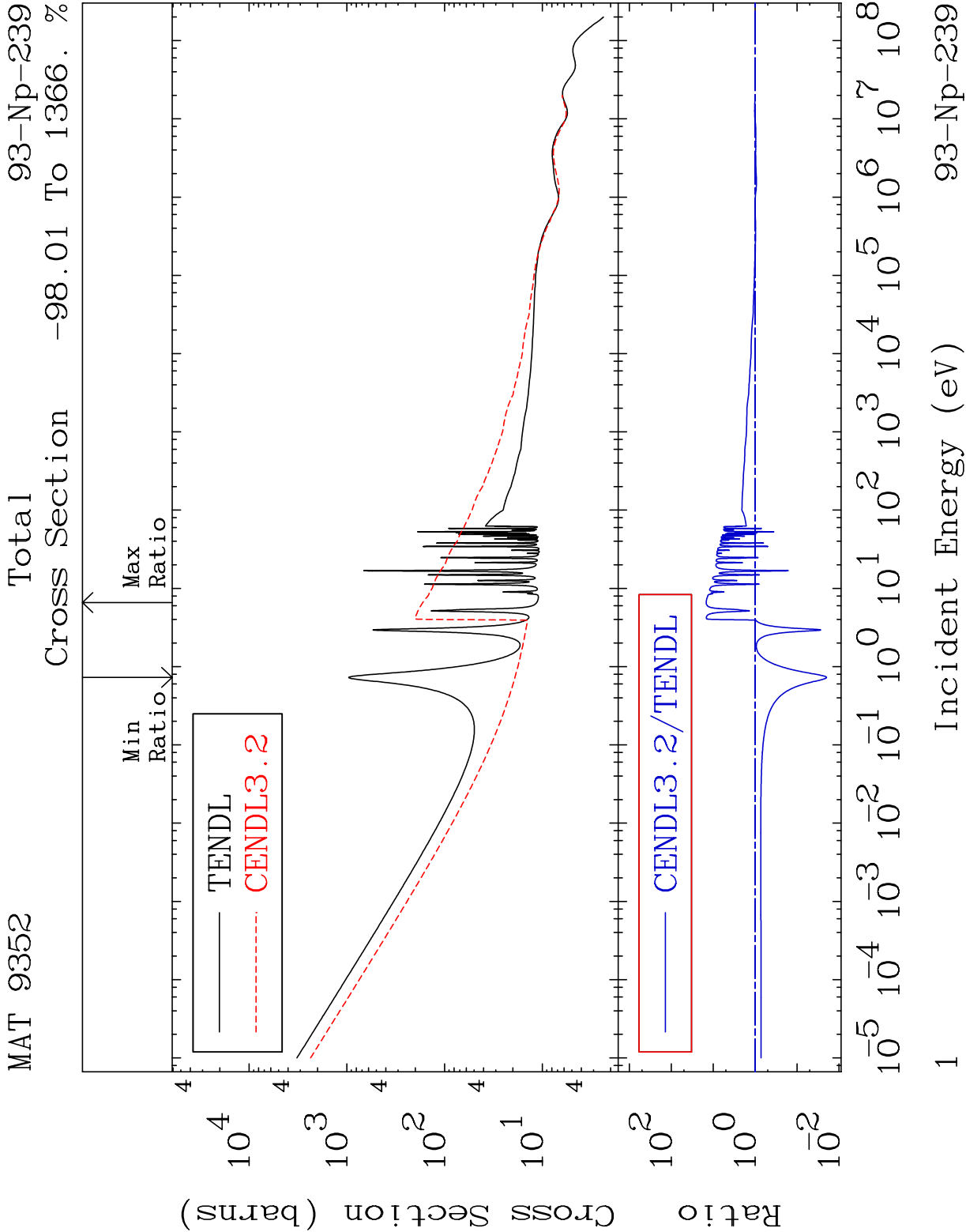
Dermott E. Cullen
(Present Contact Information)

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Press Mouse Button to Start

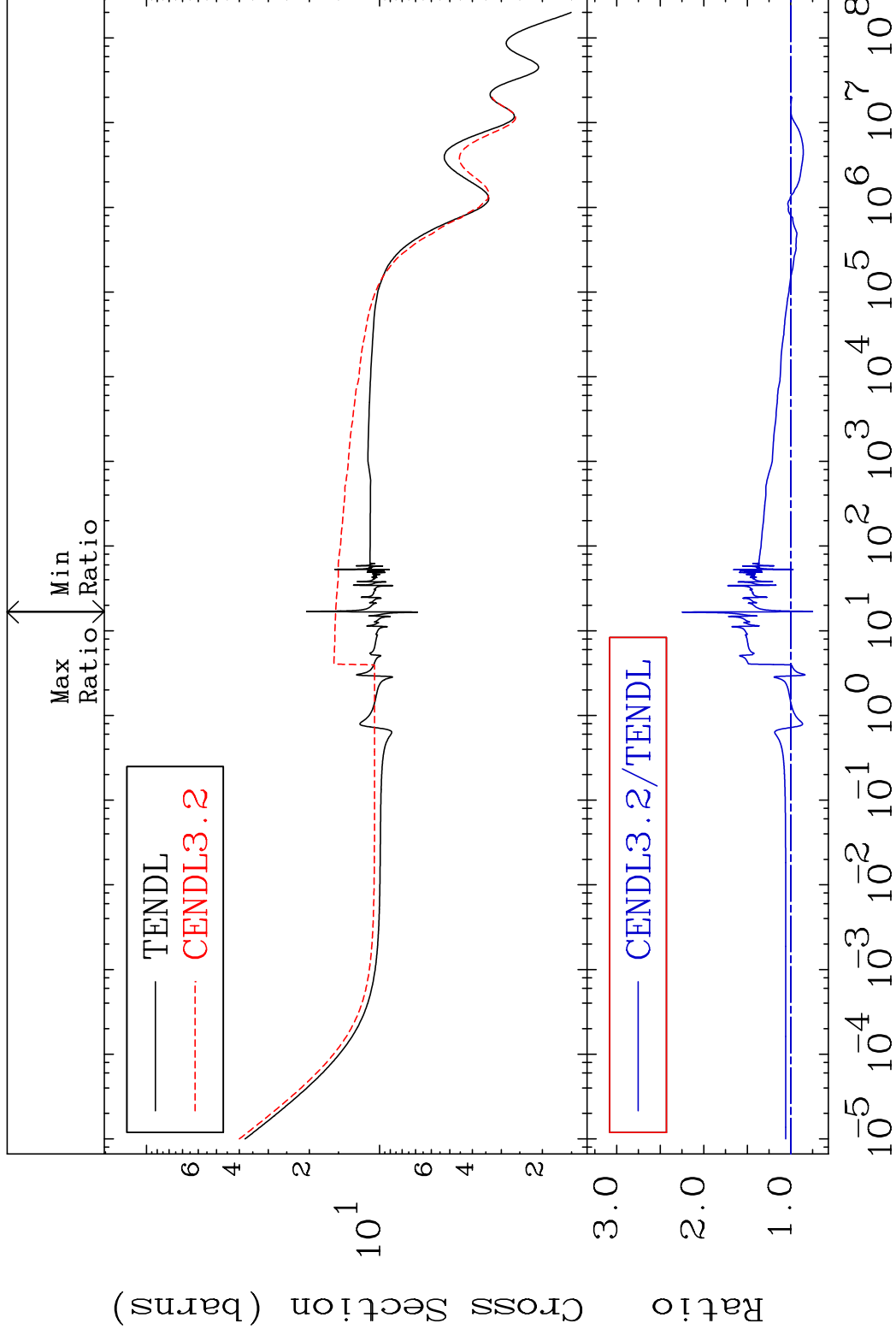


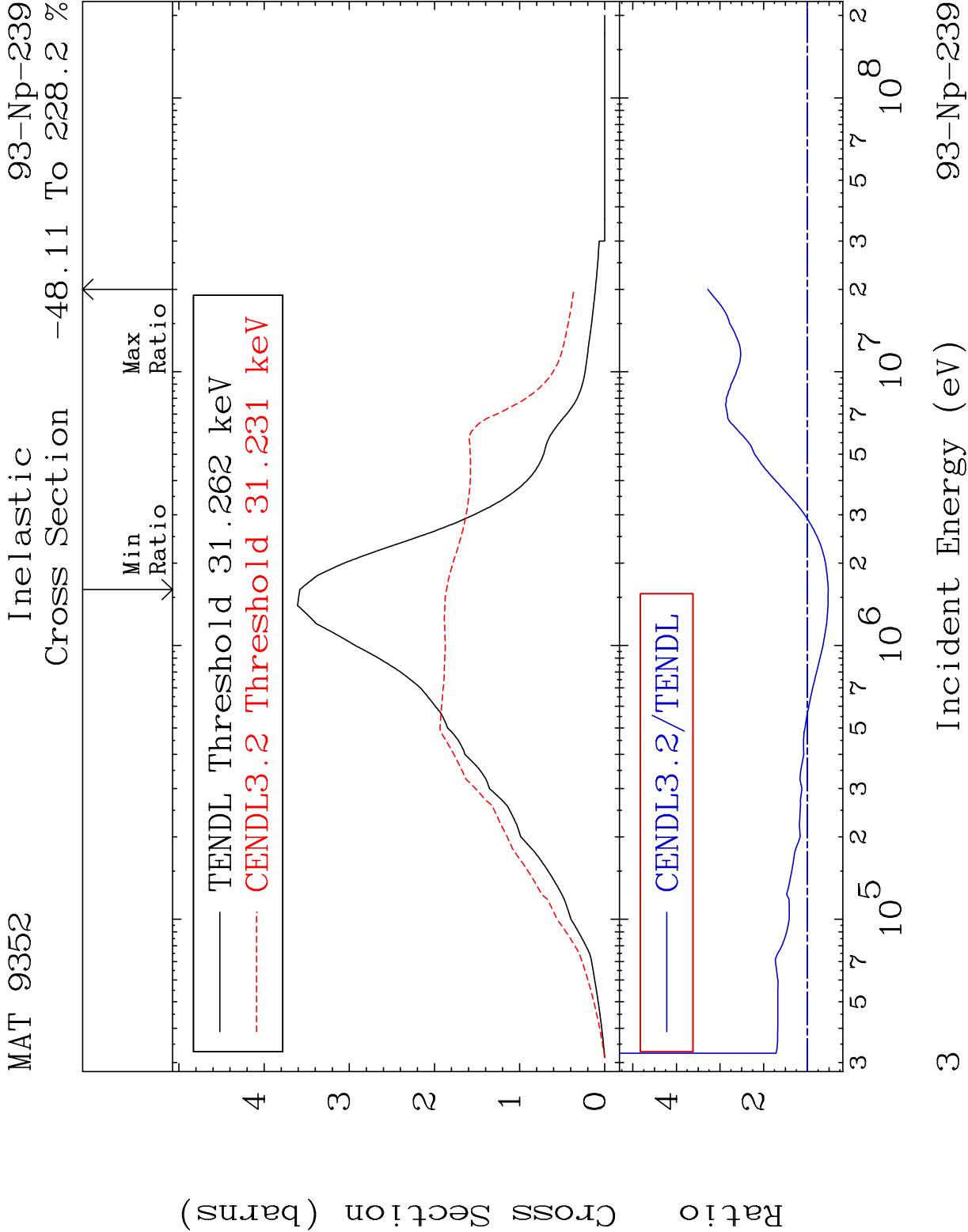
MAT 9352

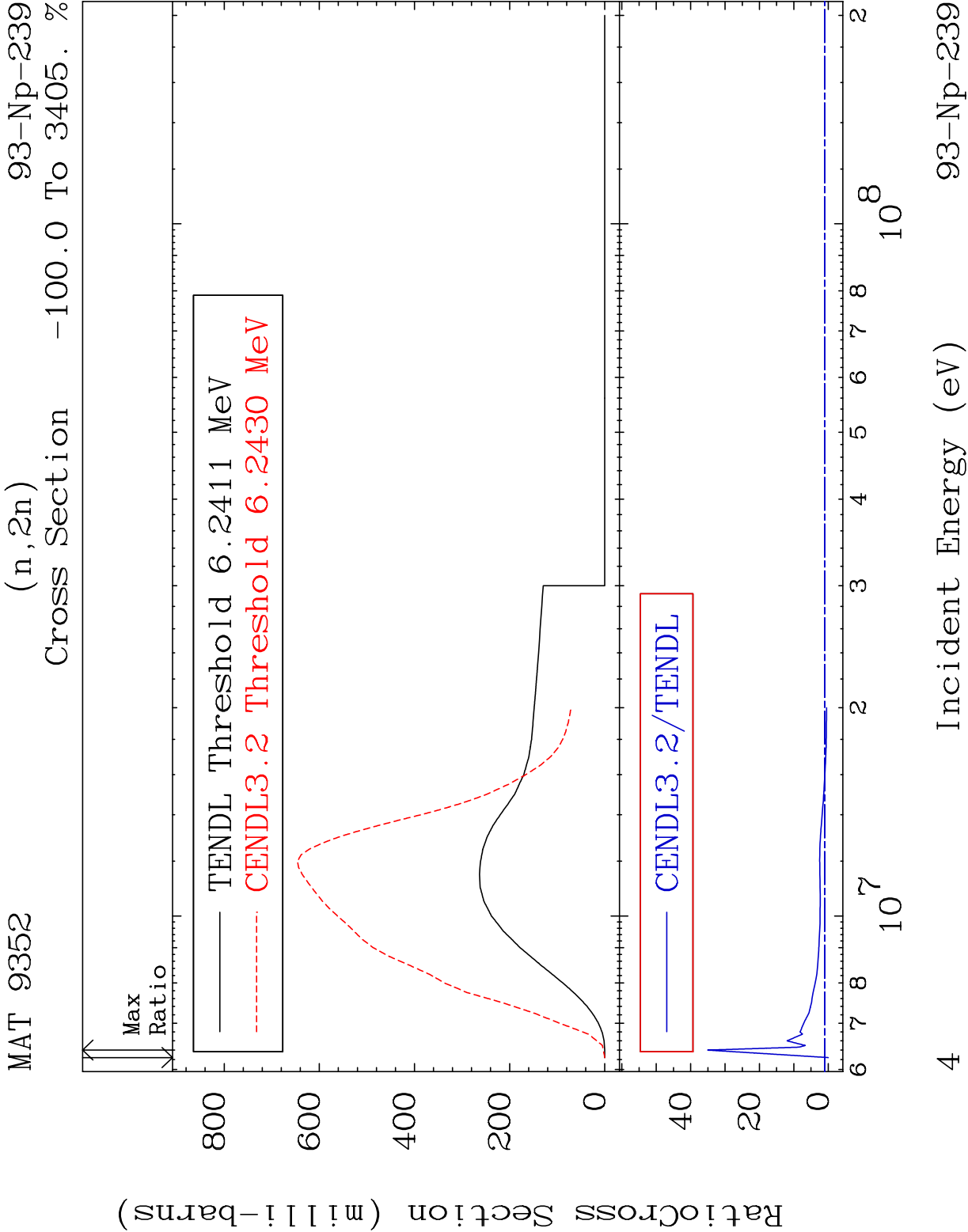
Elastic

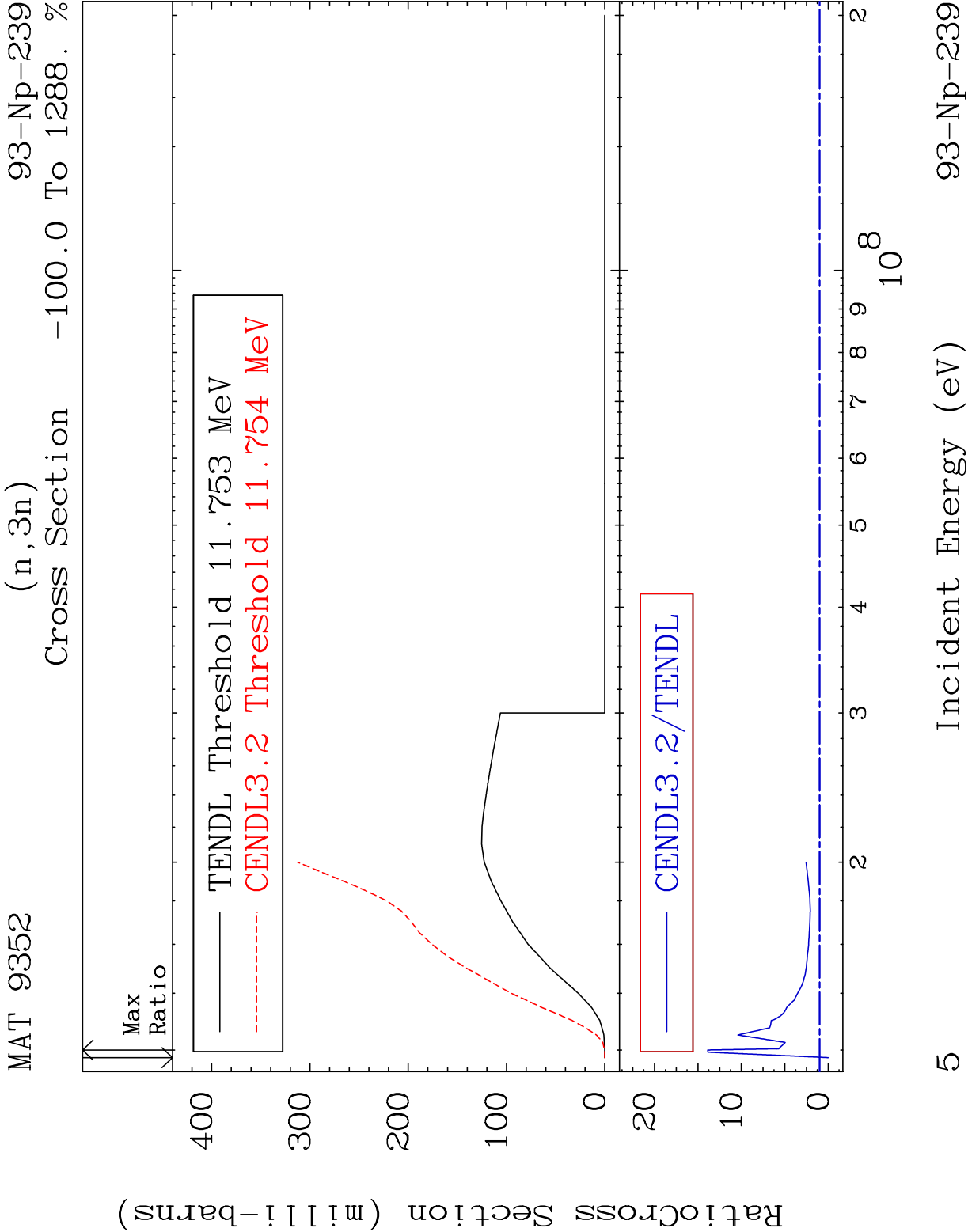
93-Np-239

Cross Section -24.95 To 124.5 %







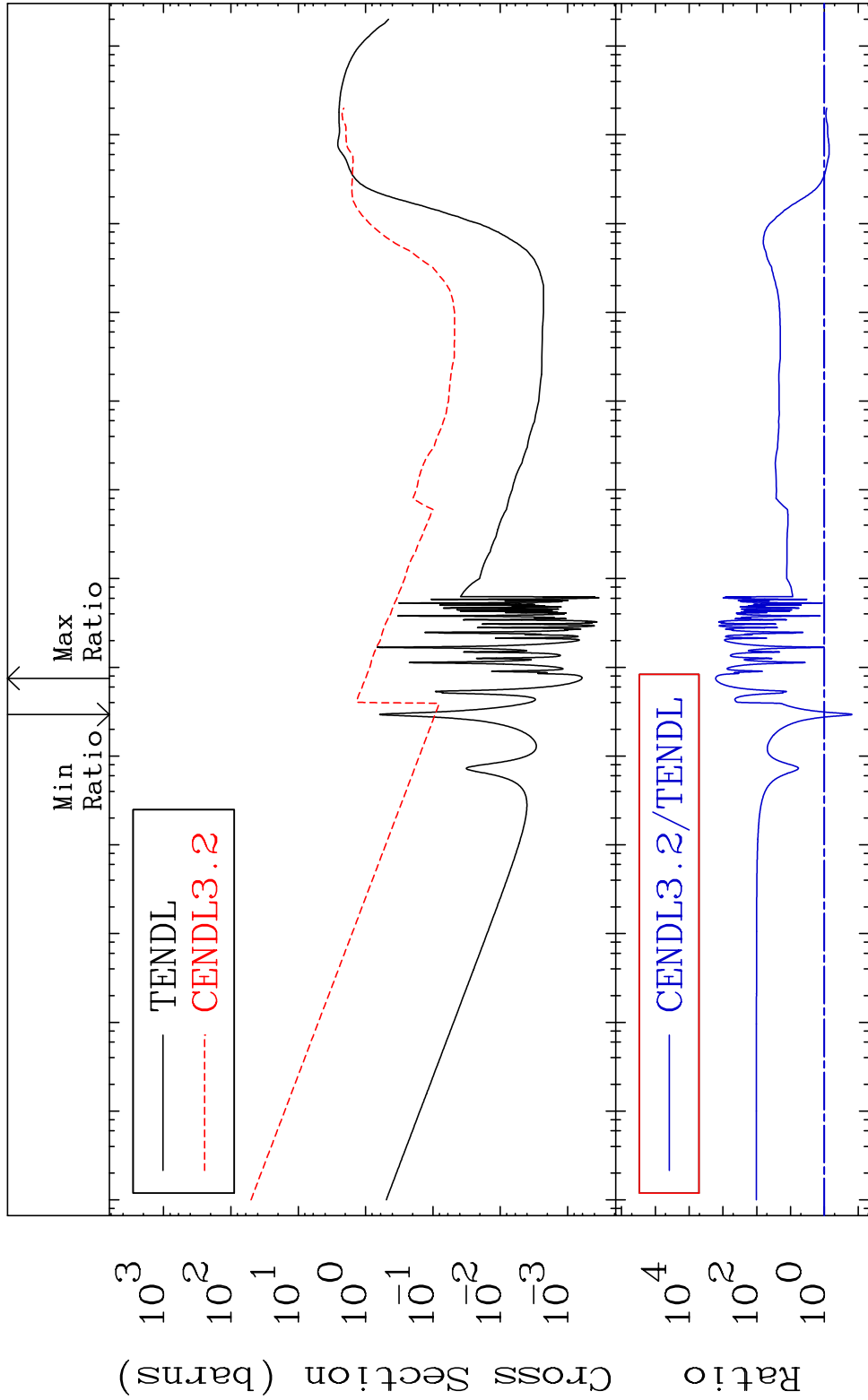


MAT 9352

Fission

93-Np-239

Cross Section -85.00 To 9999. %

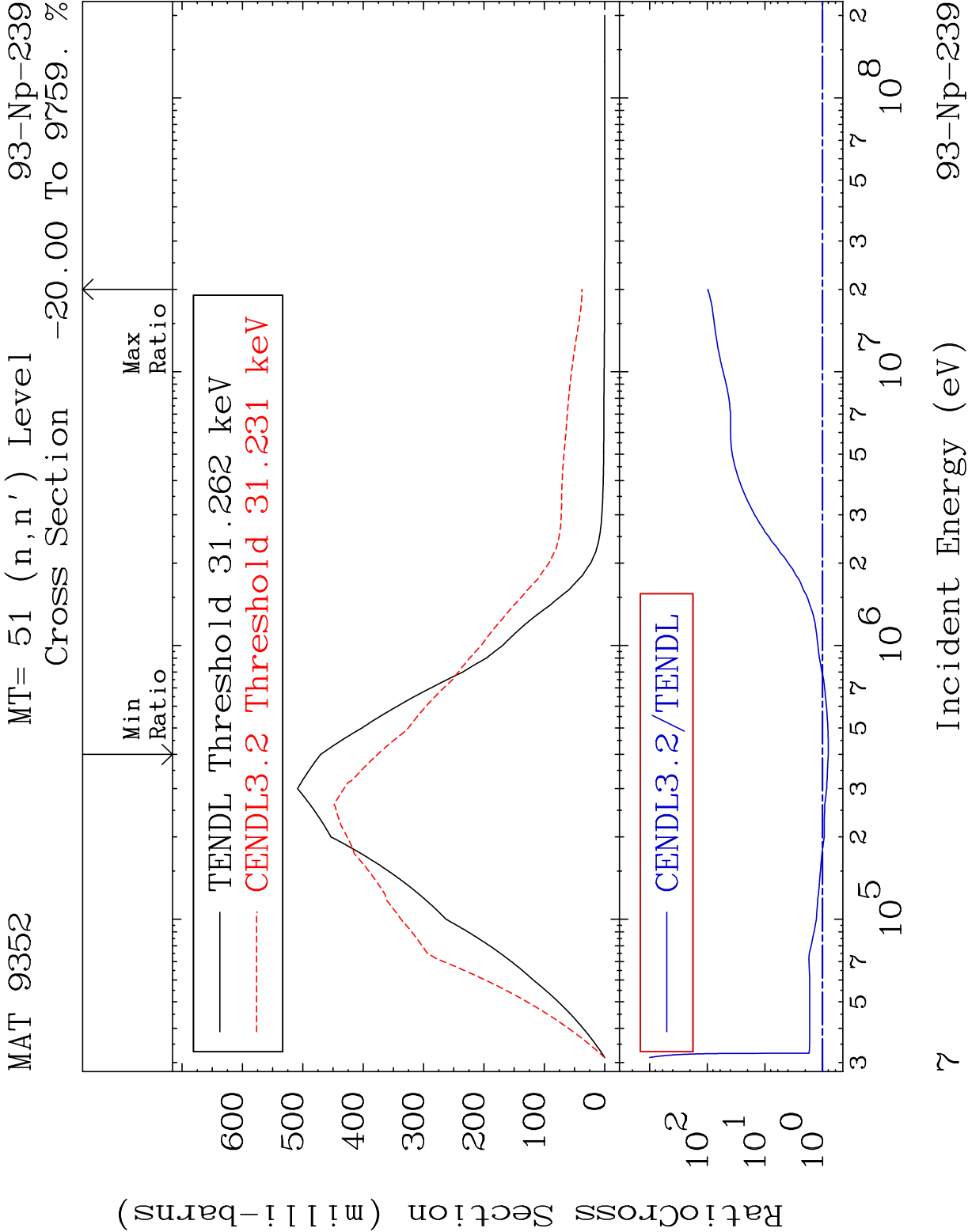


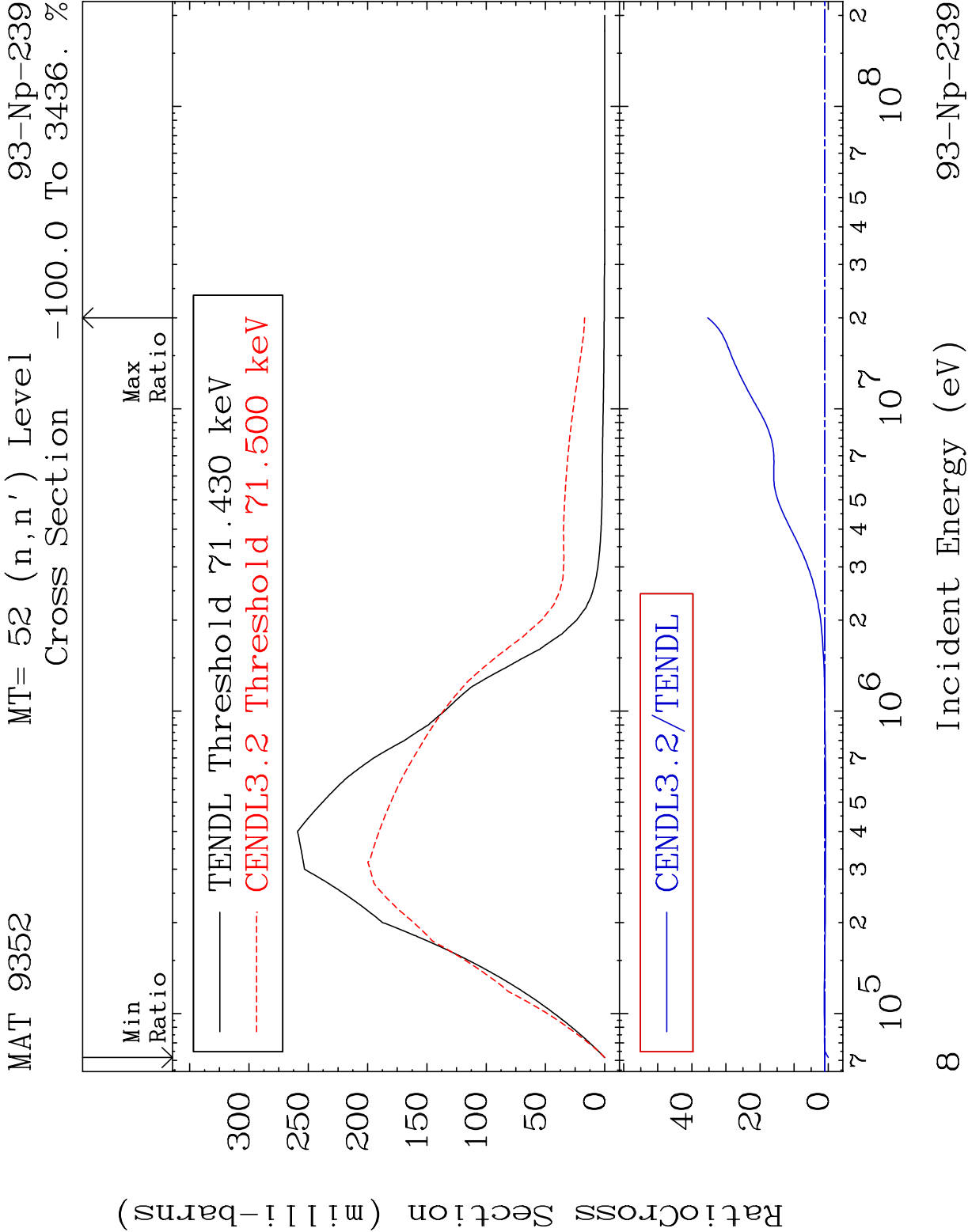
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

6

Incident Energy (eV)

93-Np-239



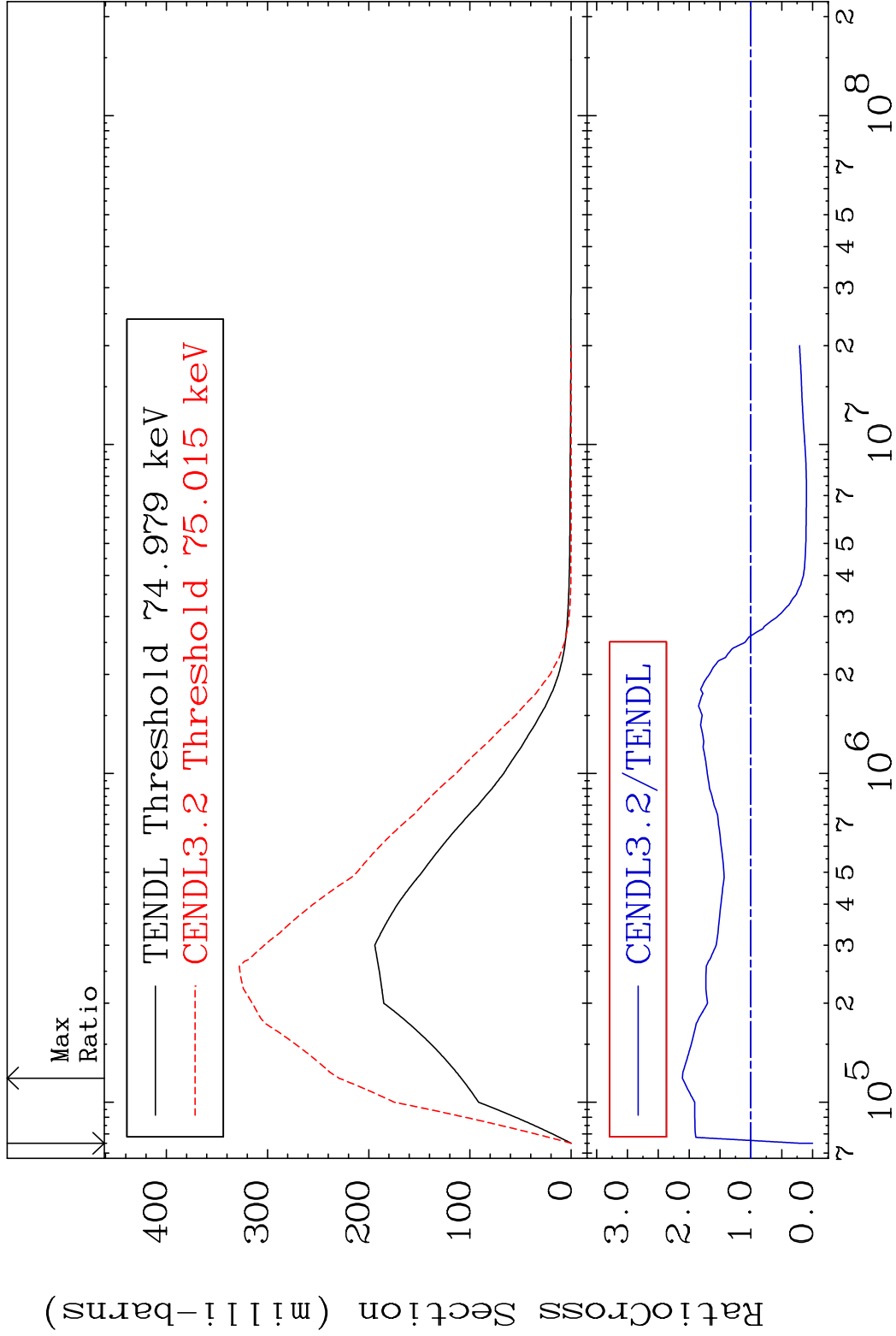


8

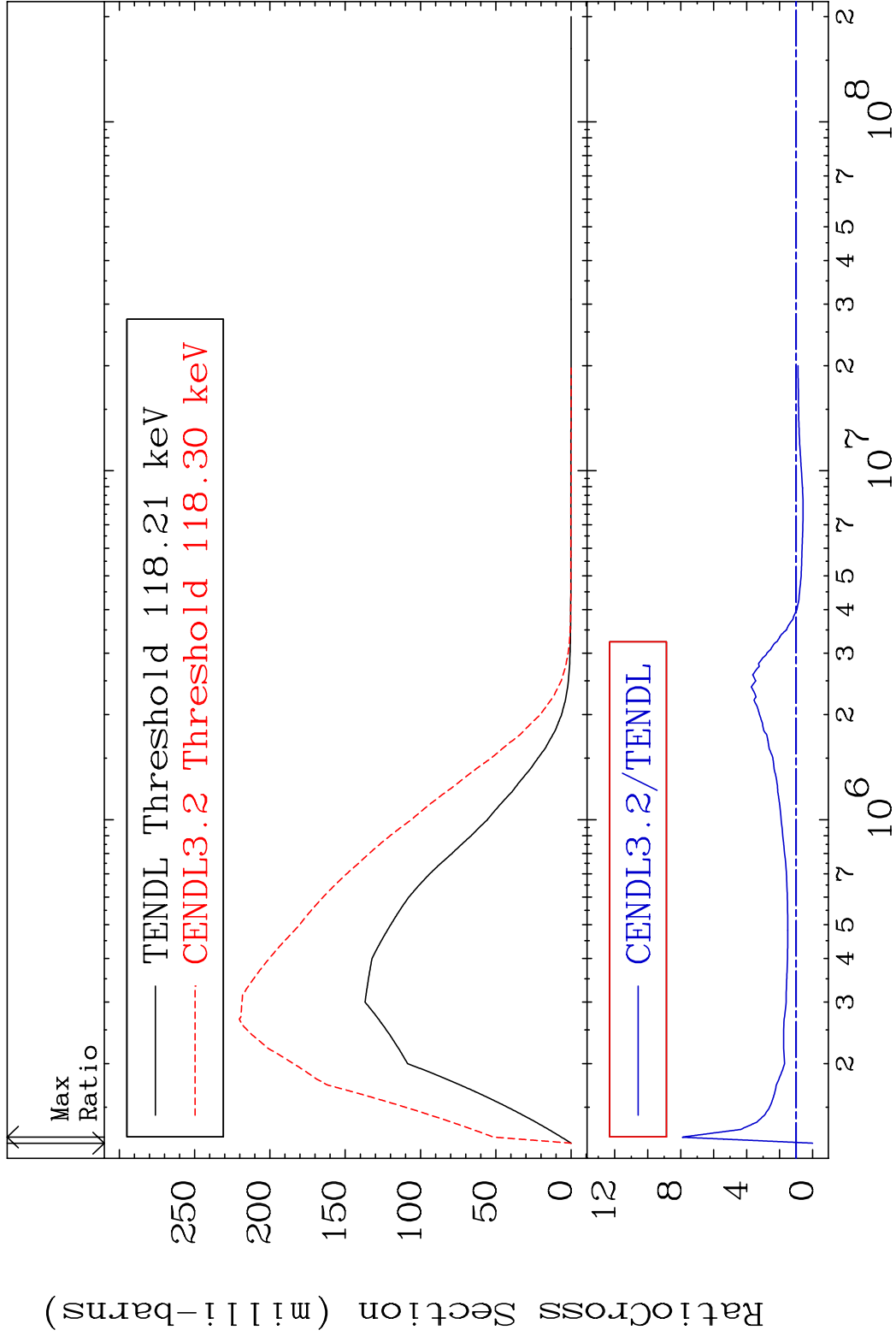
Incident Energy (eV)

93-Np-239

MAT 9352 MT= 53 (n,n') Level 93-Np-239
Cross Section -100.0 To 111.0 %



MAT 9352 MT= 54 (n,n') Level 93-Np-239
Cross Section -100.0 To 690.0 %



10 Incident Energy (eV) 93-Np-239

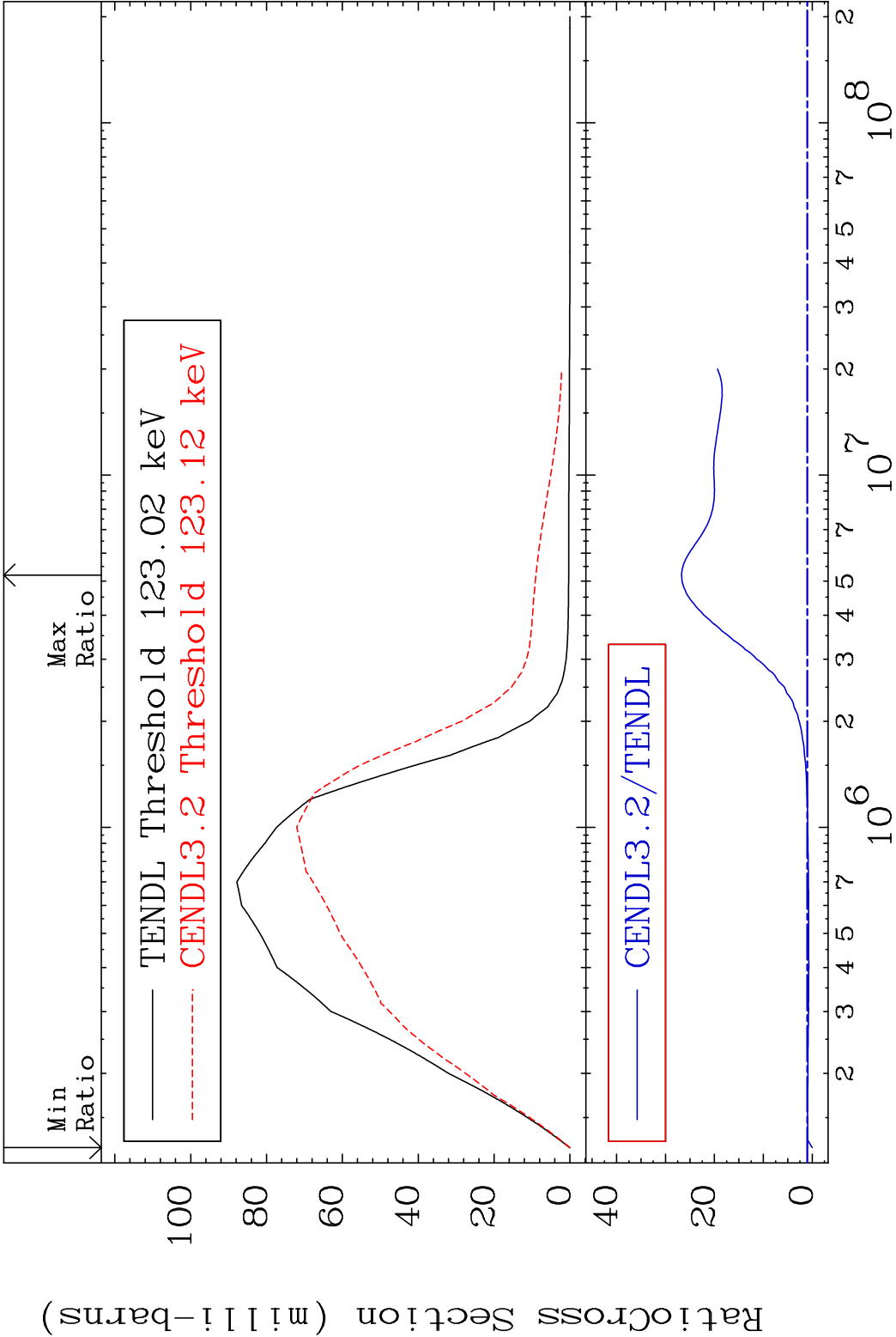
MAT 9352

MT= 55 (n,n') Level

93-Np-239

Cross Section

-100.0 To 2572. %



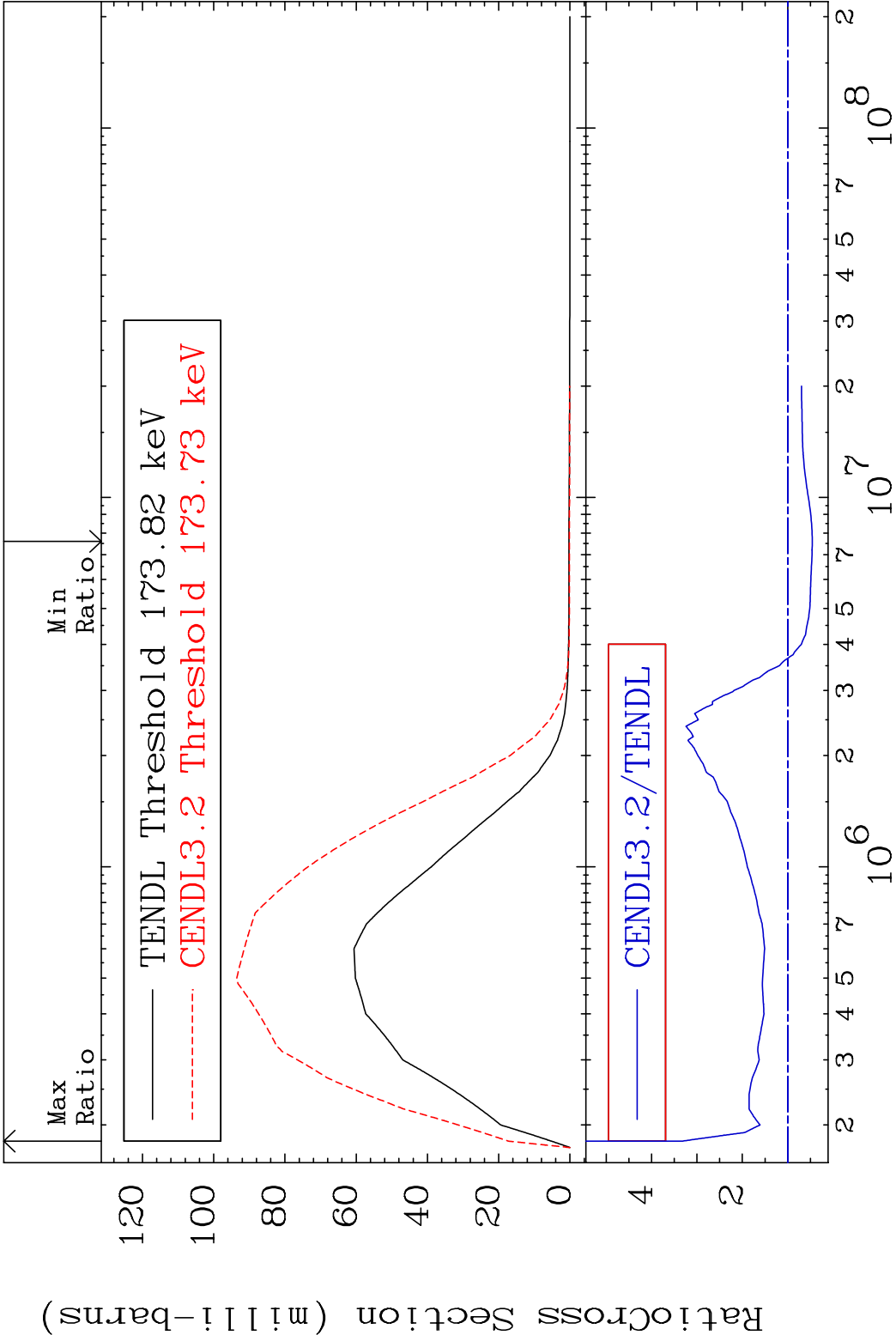
MAT 9352

MT= 56 (n,n') Level

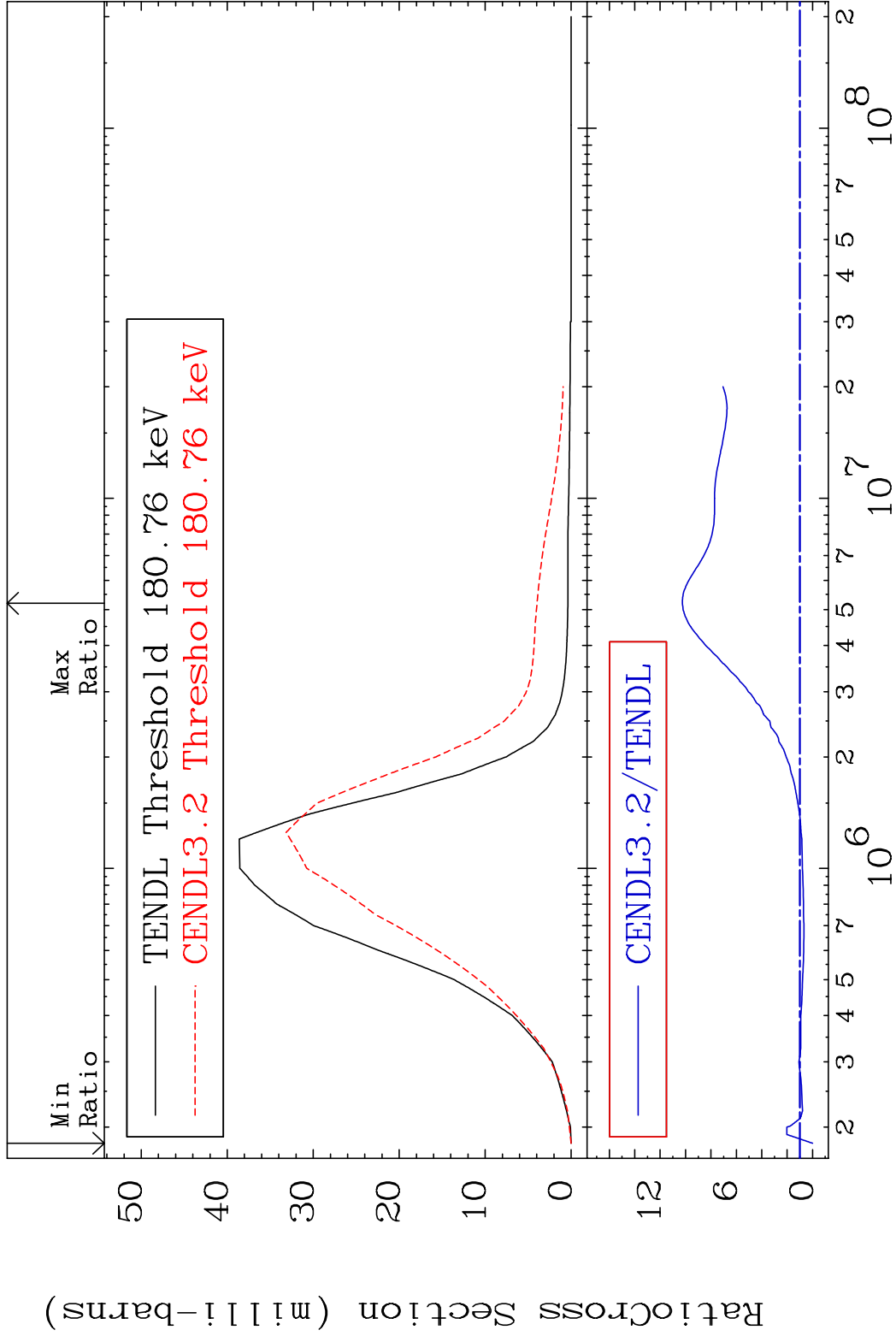
93-Np-239

Cross Section

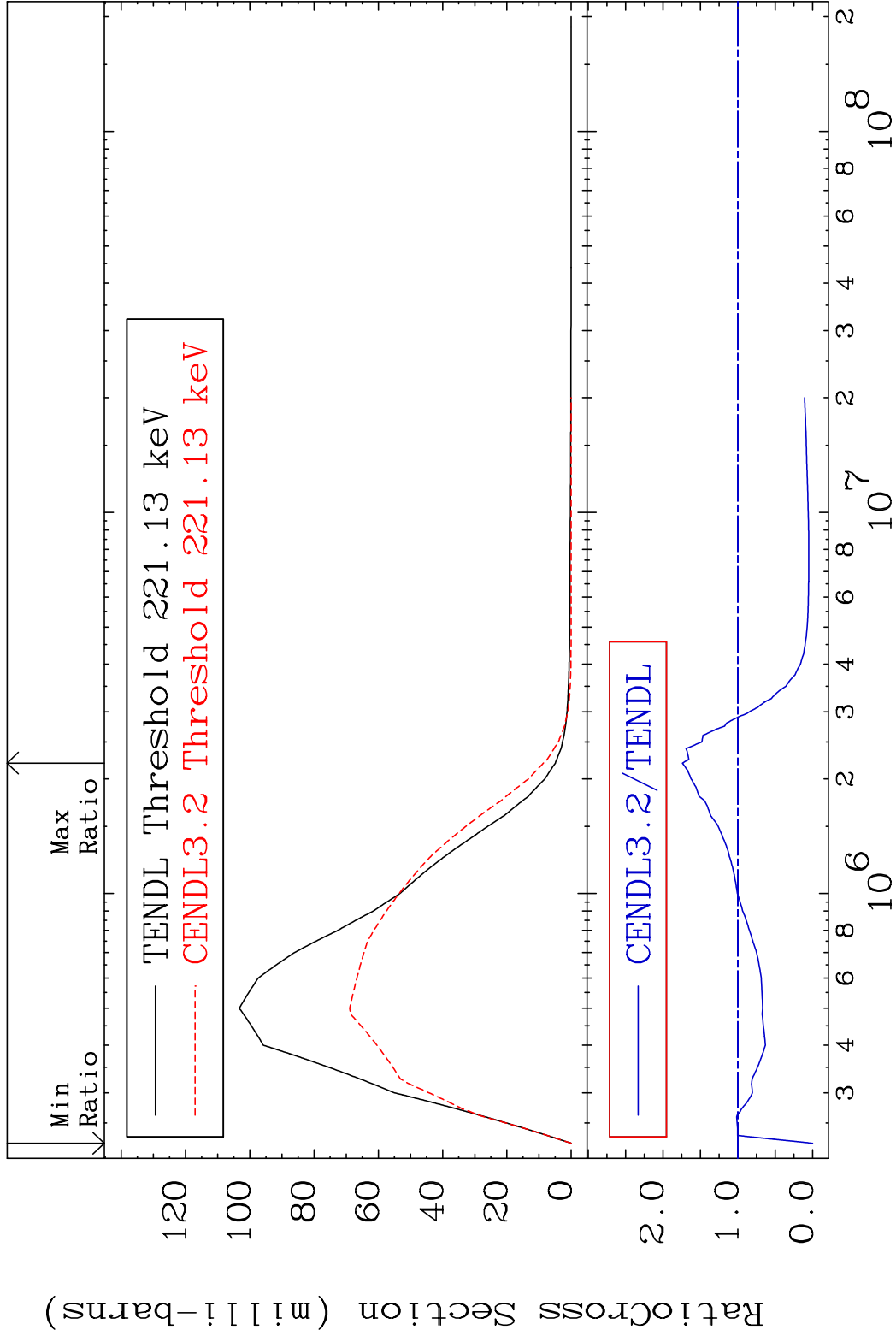
-54.01 To 233.9 %



MAT 9352 MT= 57 (n,n') Level 93-Np-239
Cross Section -100.0 To 925.1 %



MAT 9352 MT= 58 (n,n') Level 93-Np-239
Cross Section -100.0 To 74.04 %



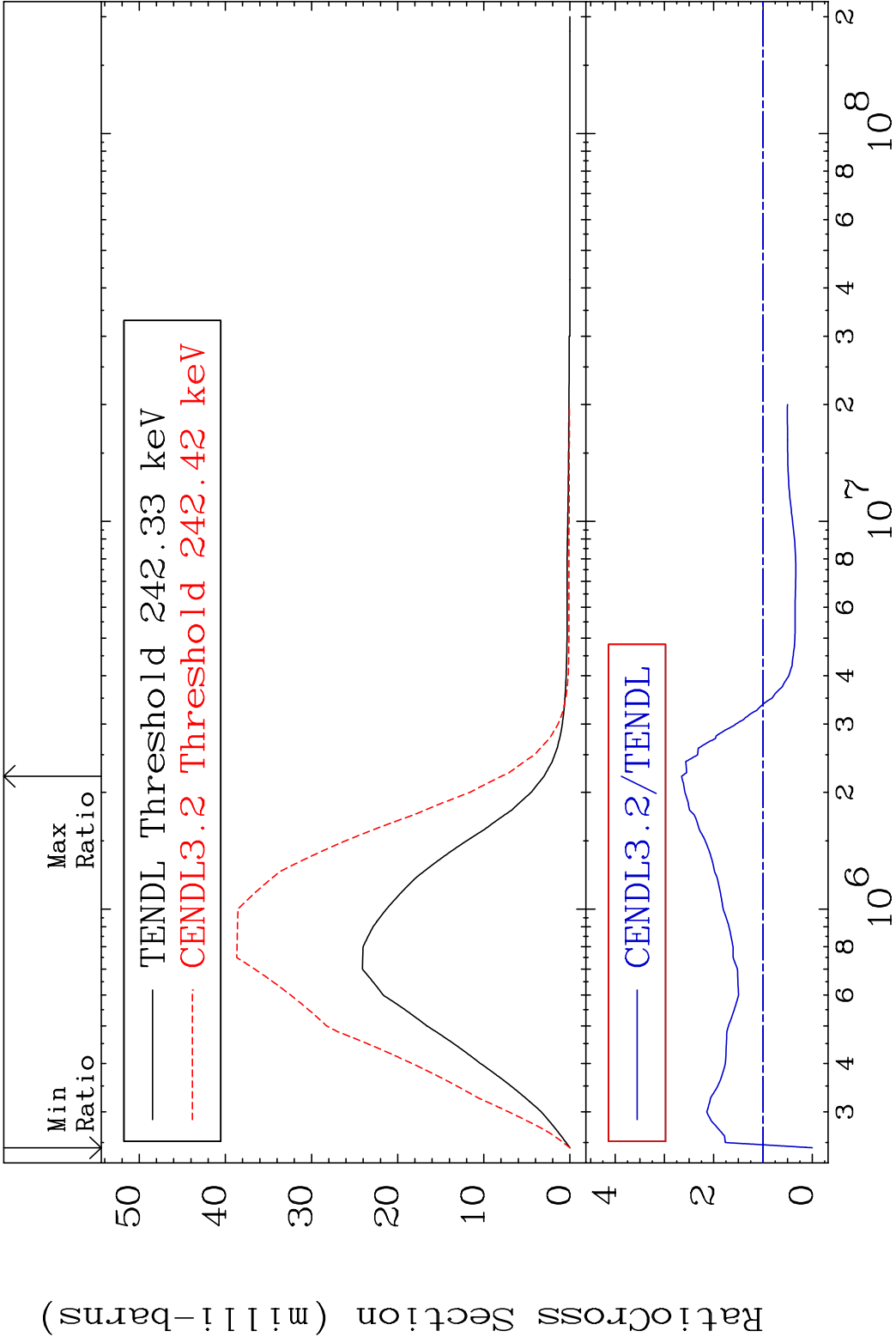
MAT 9352

MT= 59 (n,n') Level

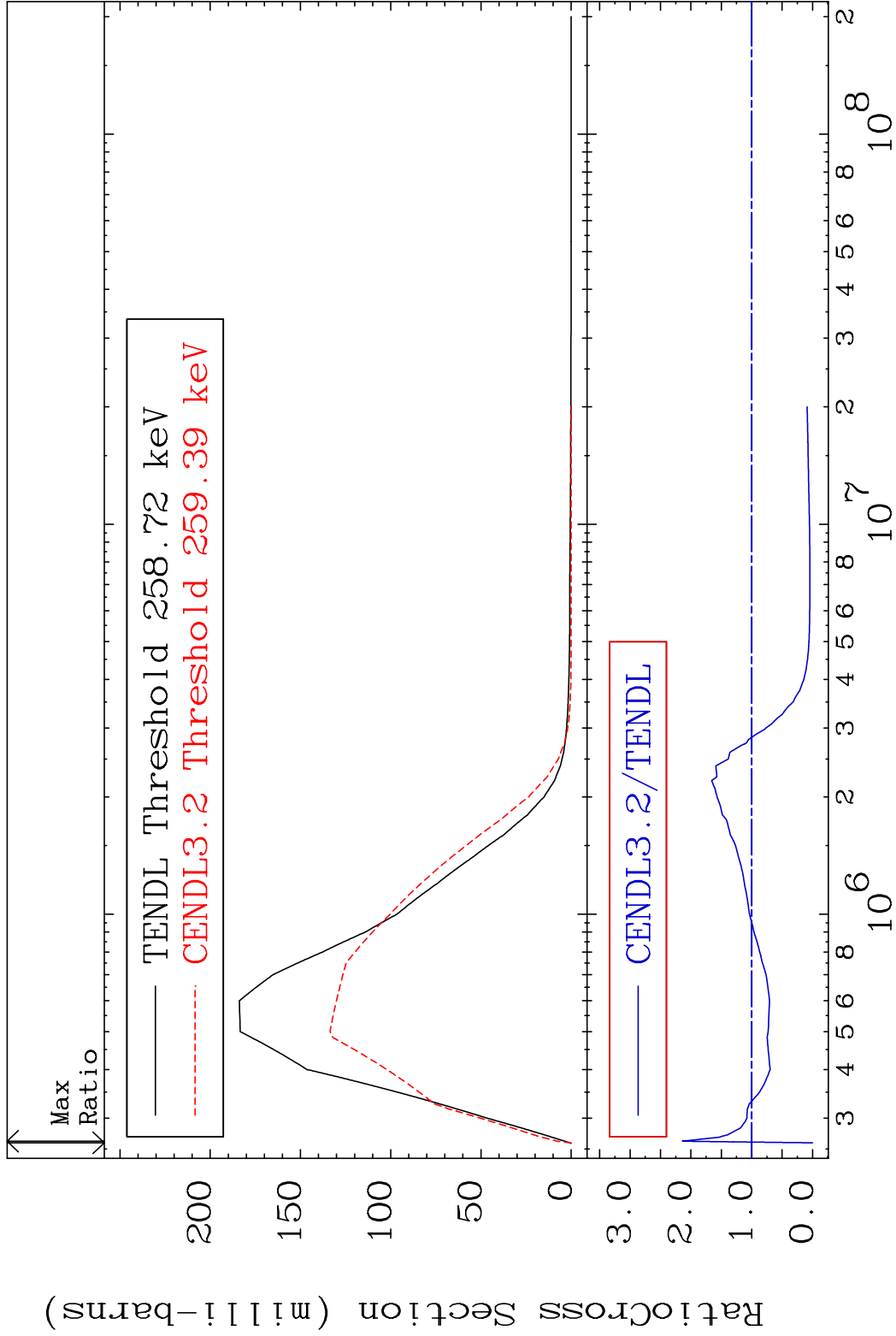
93-Np-239

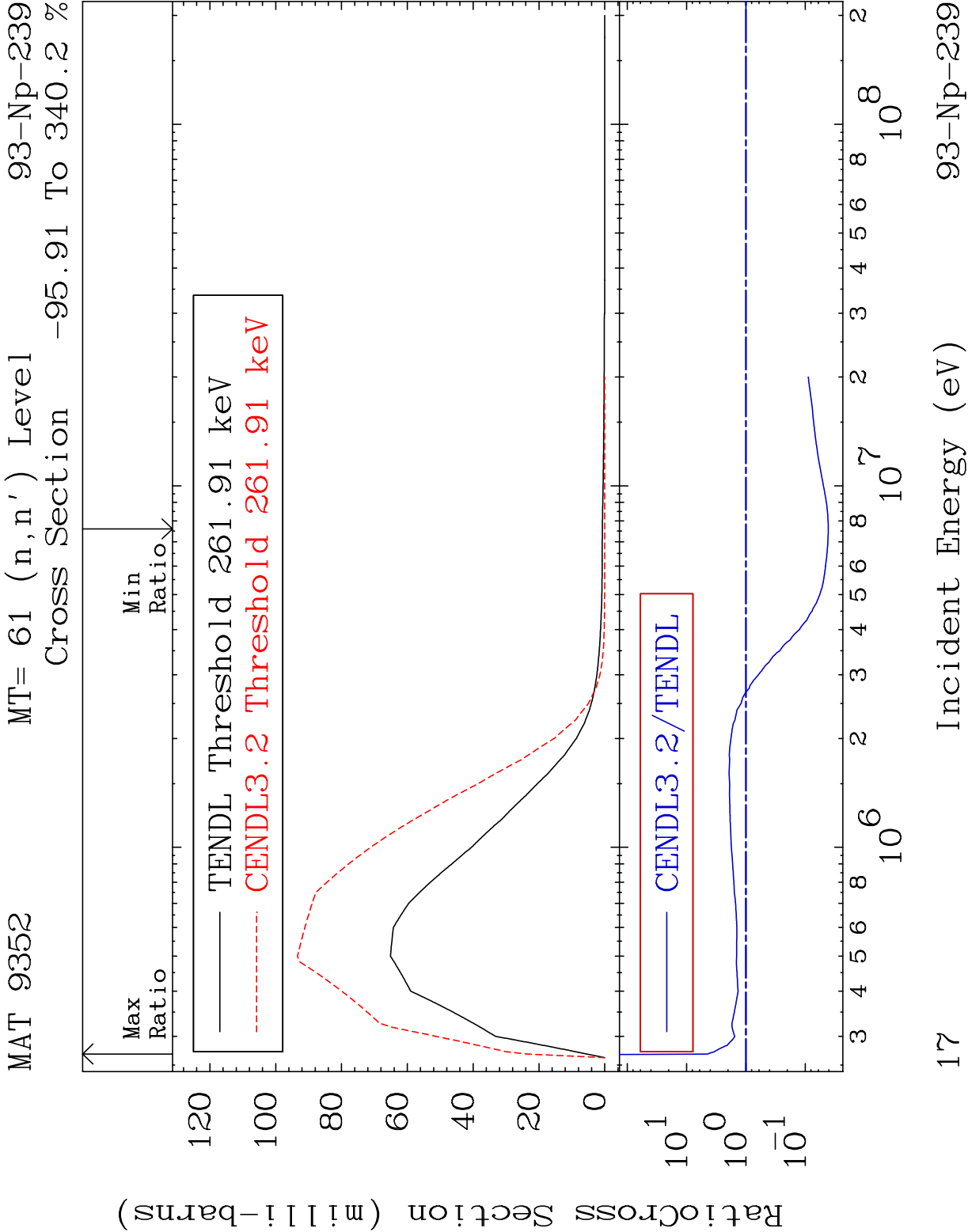
Cross Section

-100.0 To 165.4 %

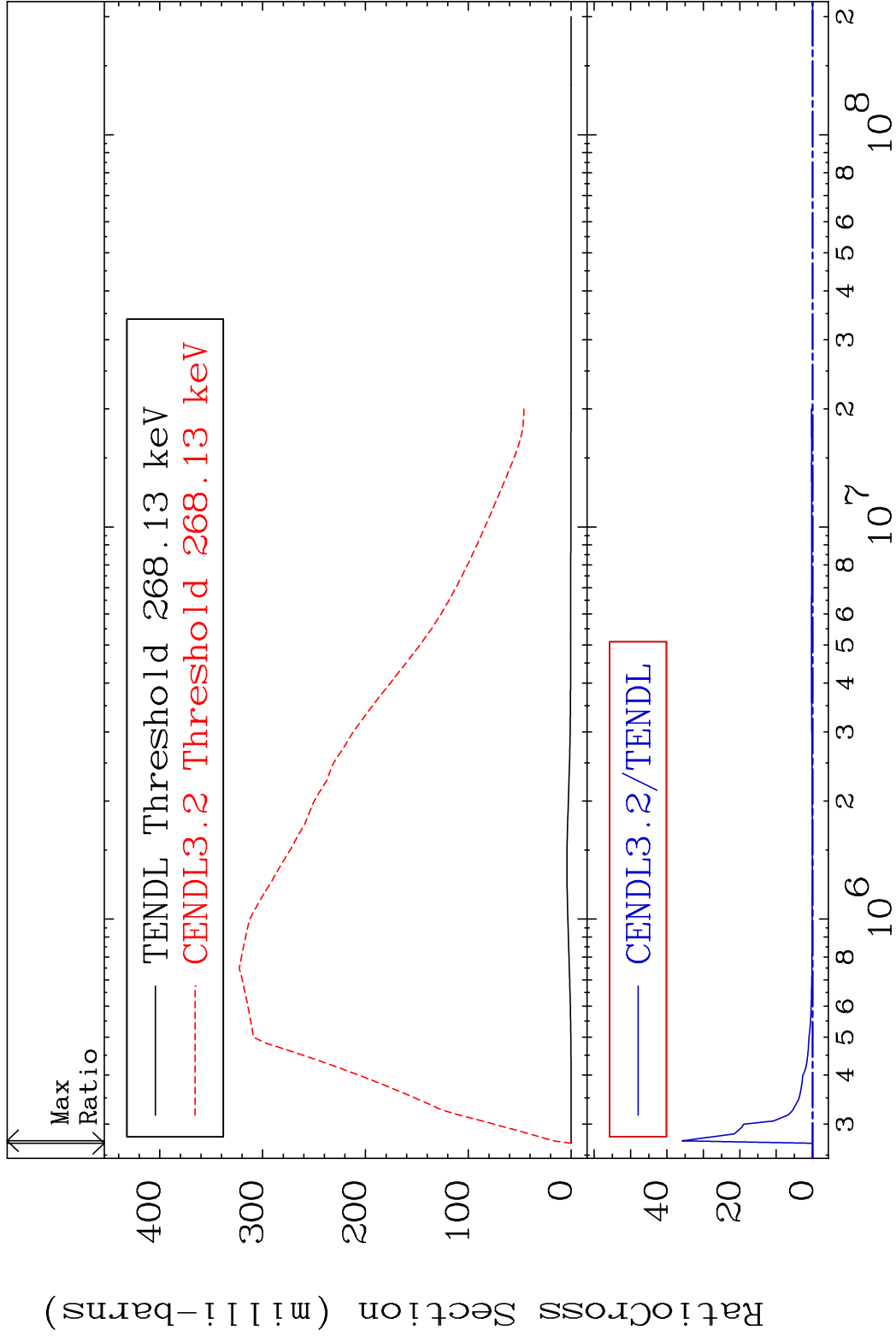


MAT 9352 MT= 60 (n,n') Level 93-Np-239
Cross Section -100.0 To 114.1 %

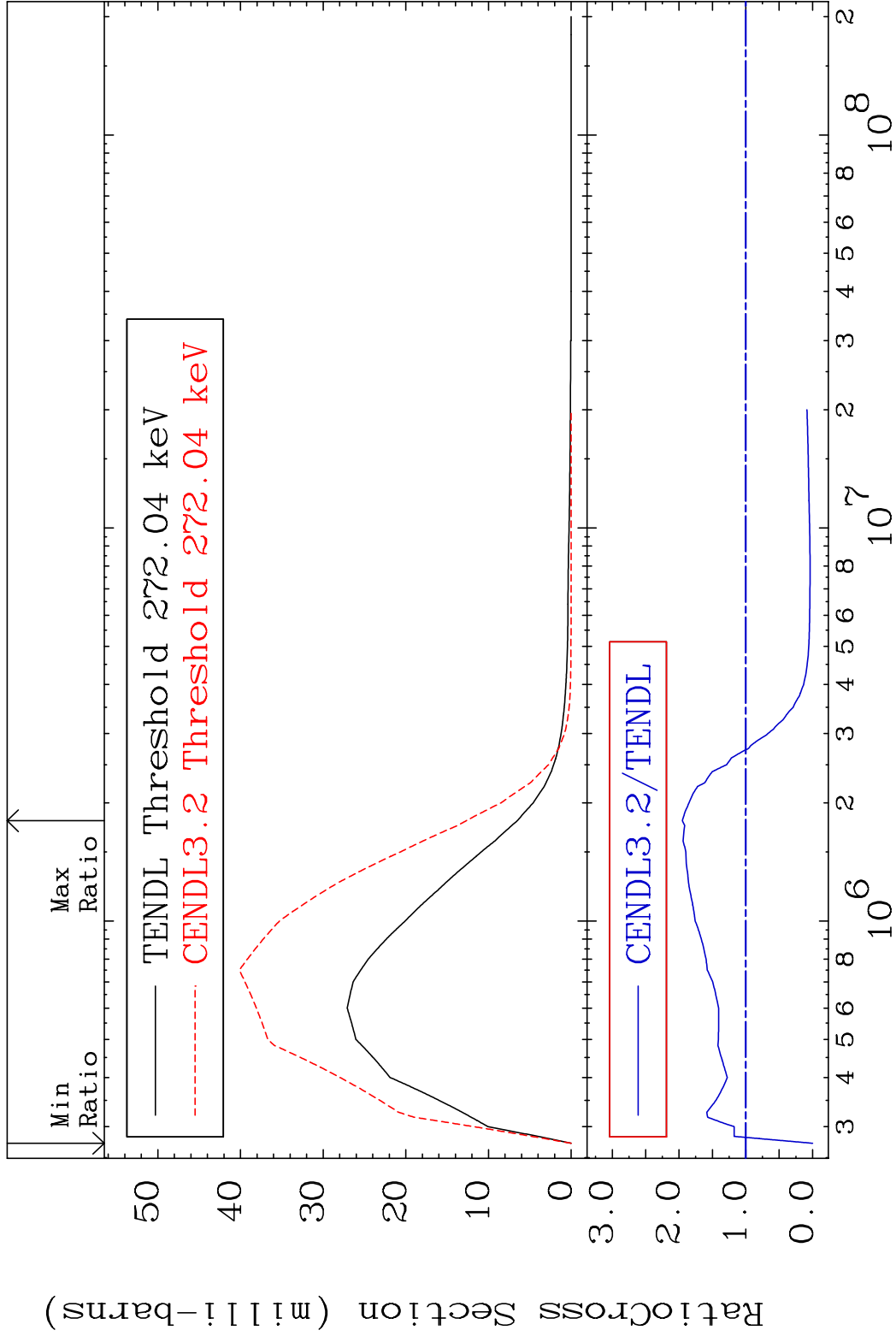




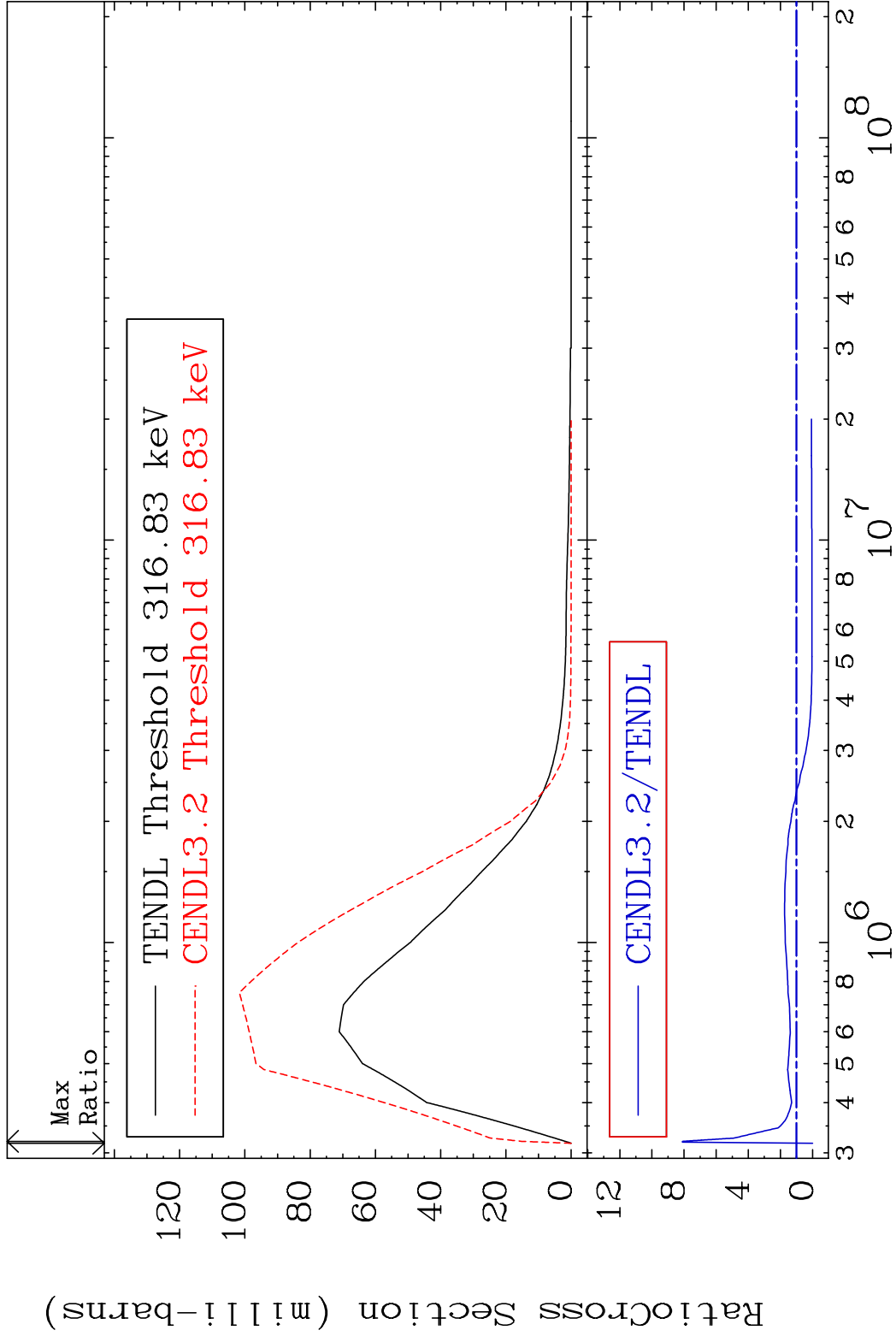
MAT 9352 MT= 62 (n,n') Level 93-Np-239
Cross Section -100.0 To 9999. %



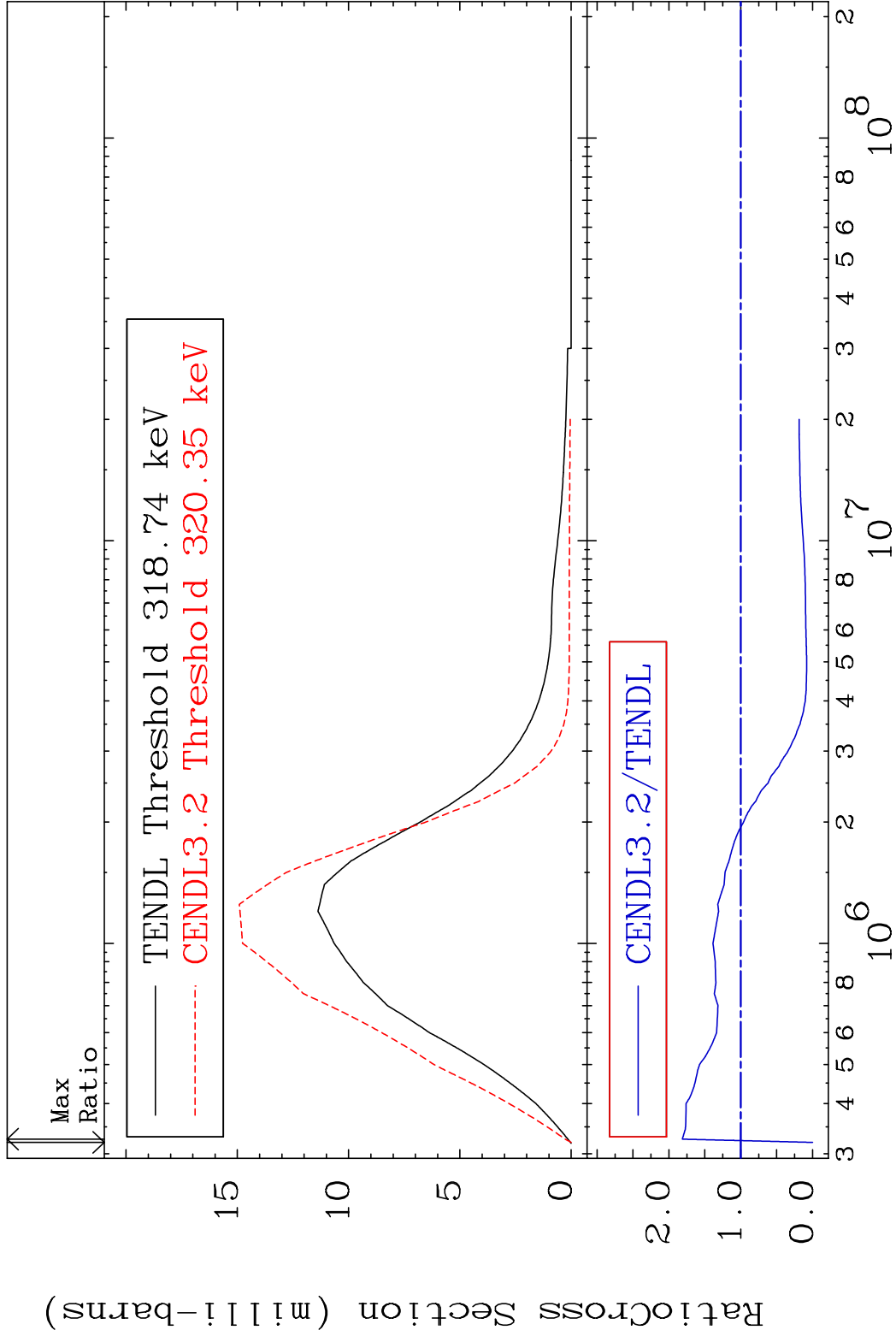
MAT 9352 MT= 63 (n,n') Level 93-Np-239
Cross Section -100.0 To 95.02 %

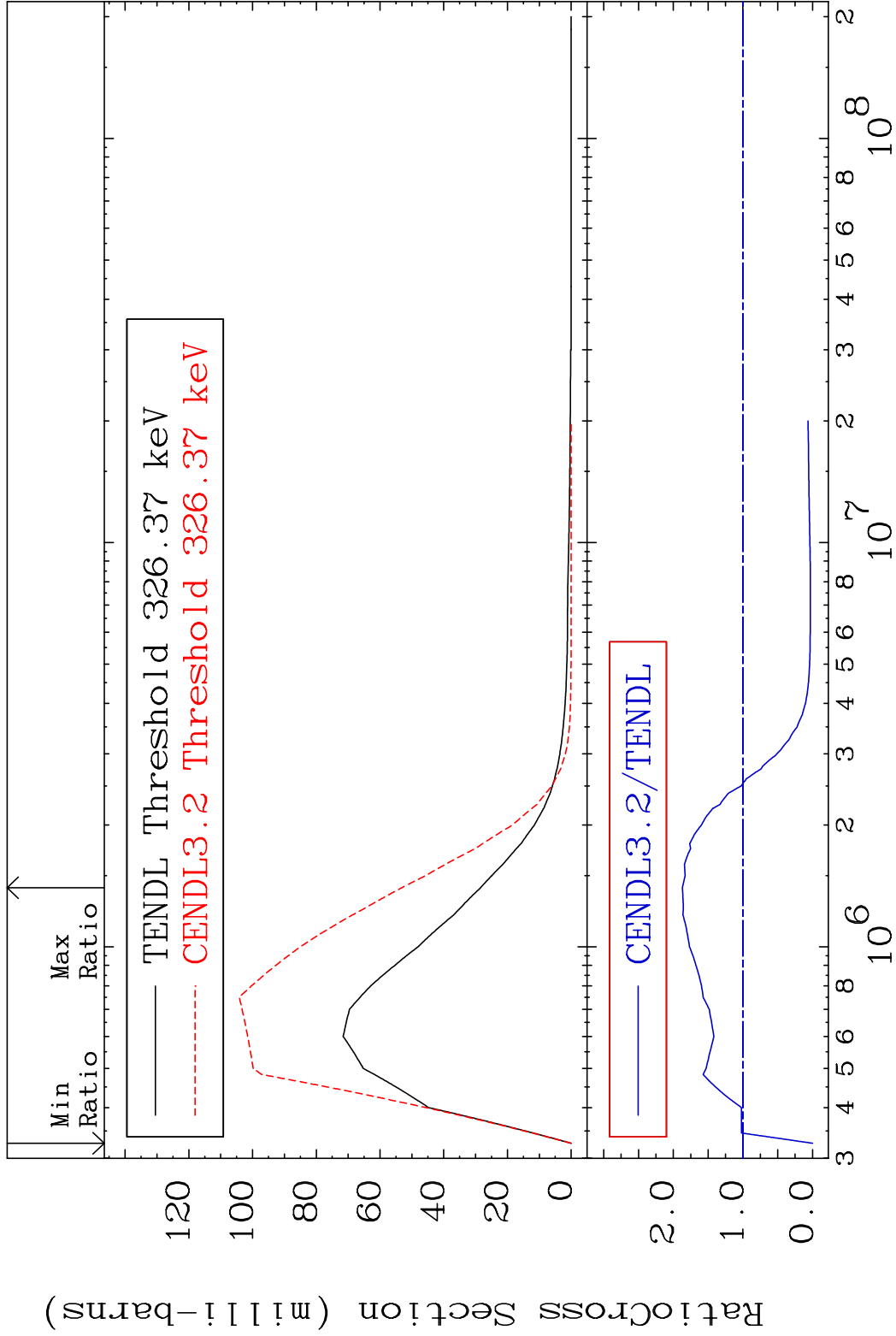


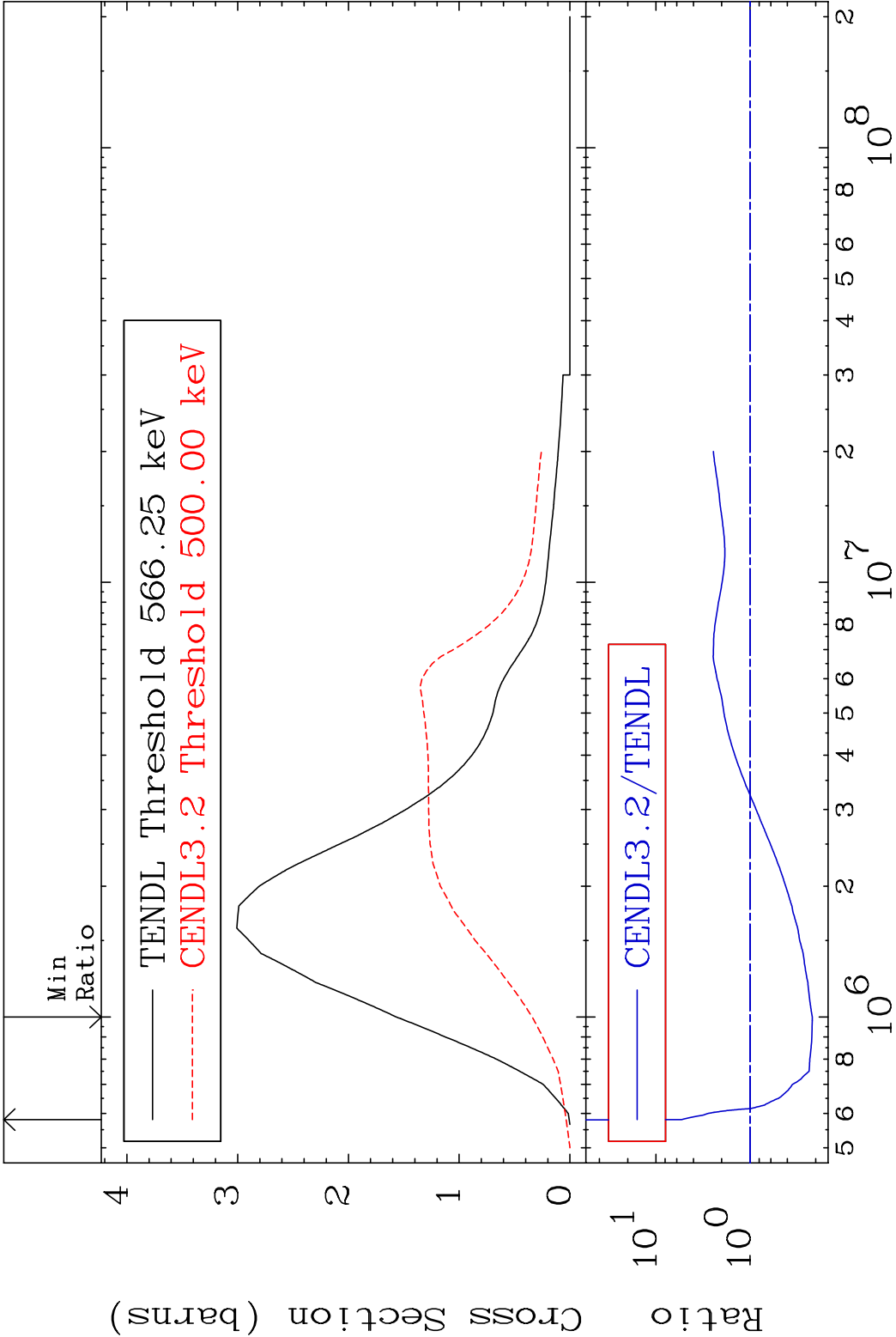
MAT 9352 MT= 64 (n,n') Level 93-Np-239
Cross Section -100.0 To 710.6 %



MAT 9352 MT= 65 (n,n') Level 93-Np-239
Cross Section -100.0 To 81.29 %





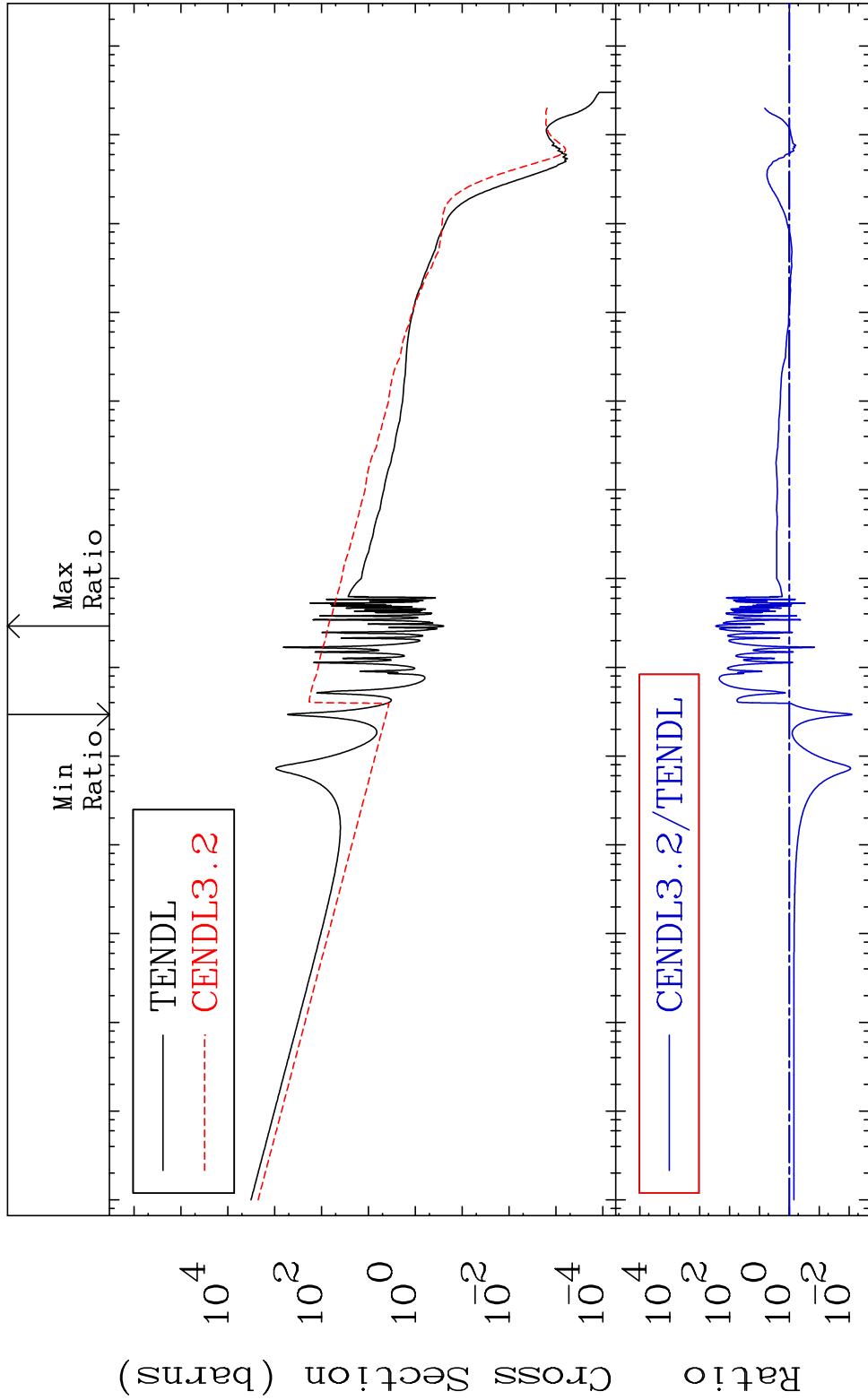


MAT 9352

(n, γ)

93-Np-239

Cross Section -99.21 To 9999. %

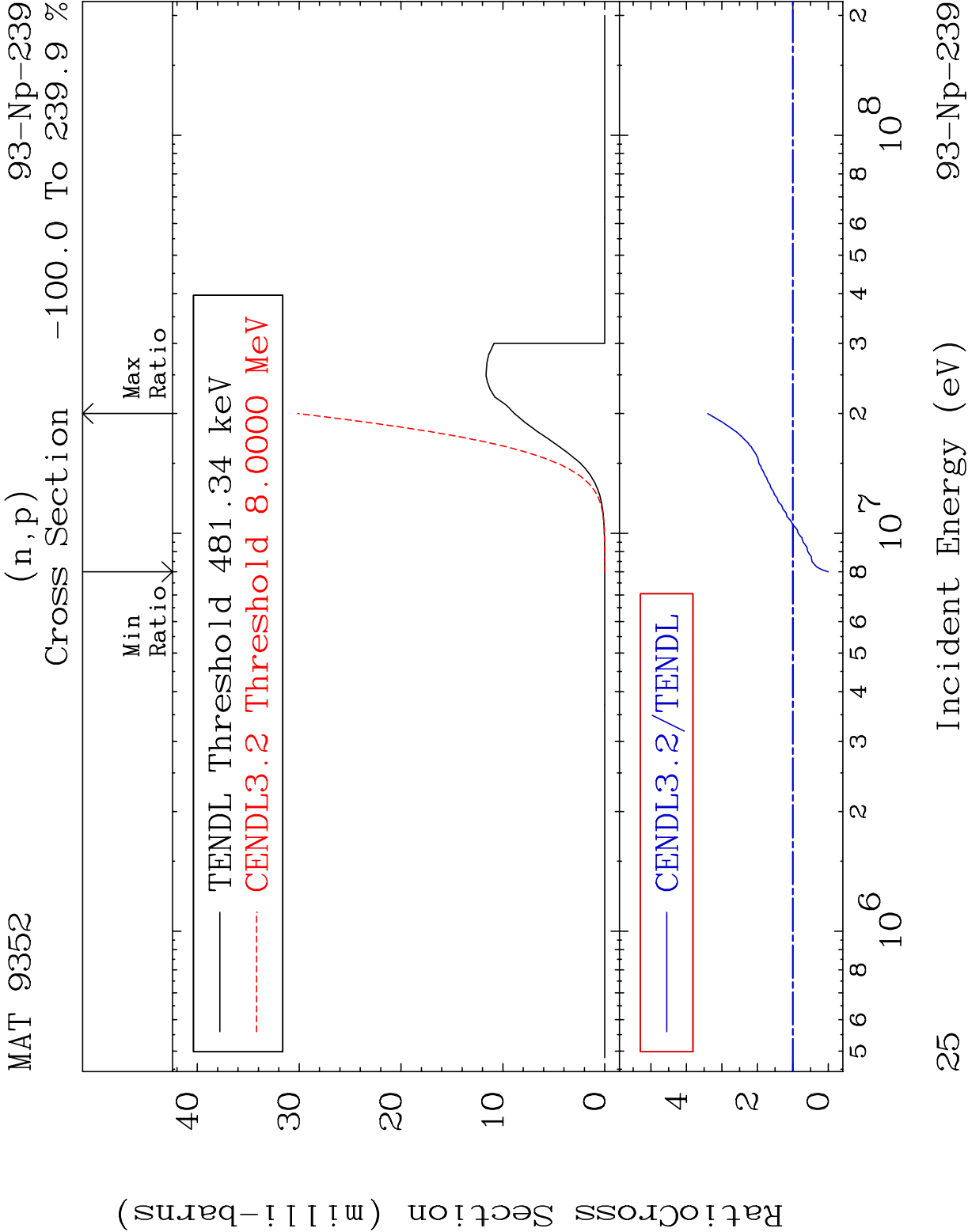


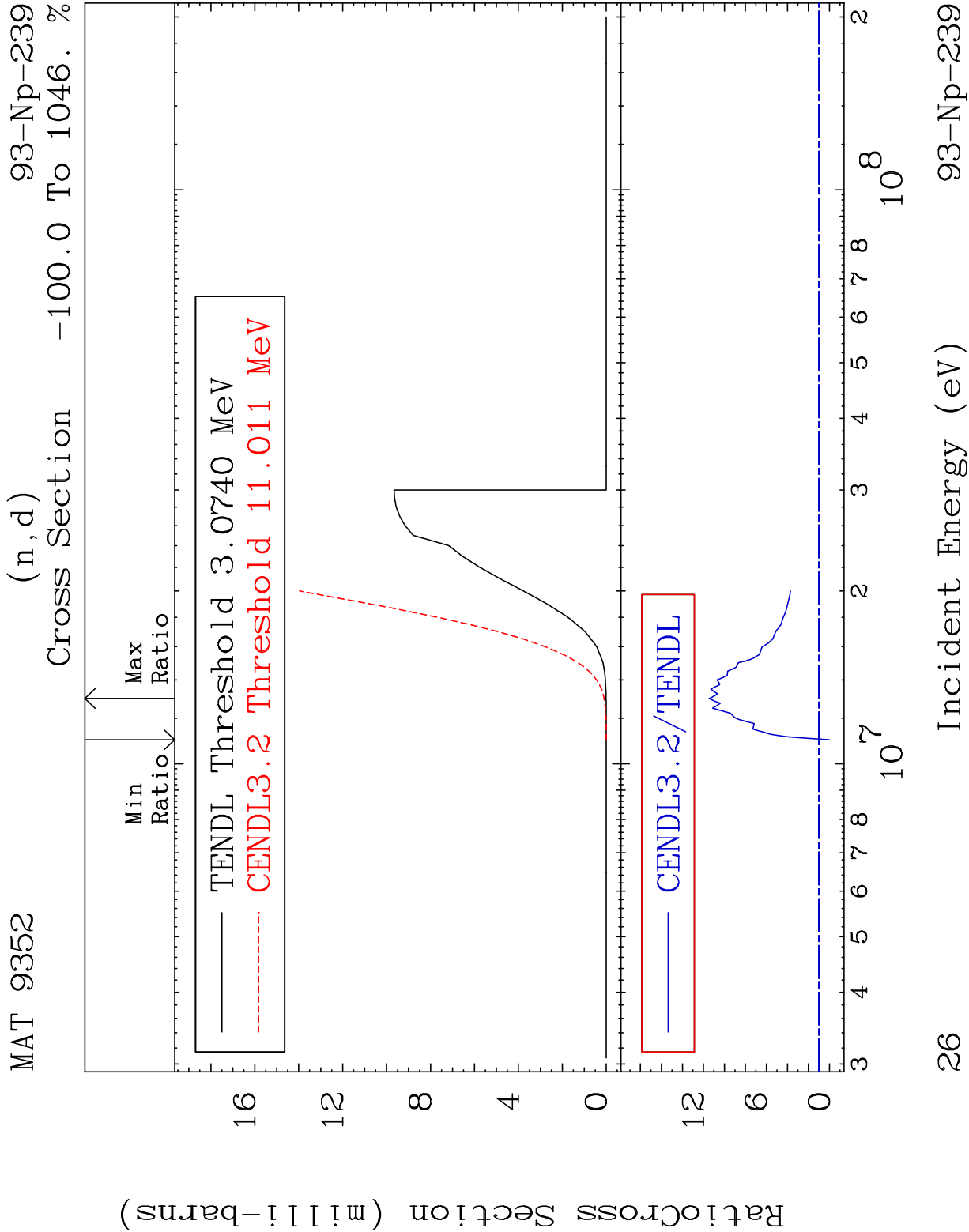
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

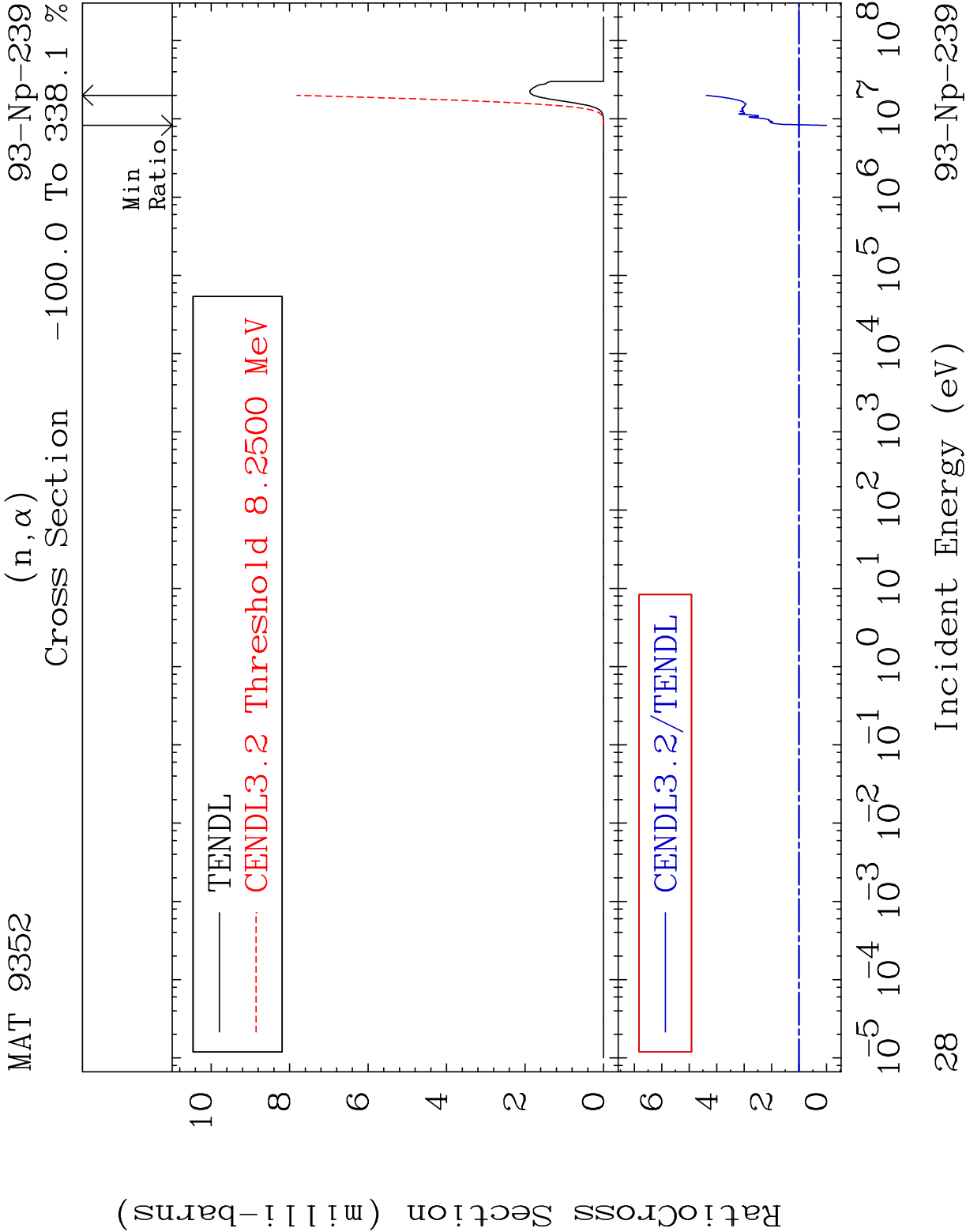
24

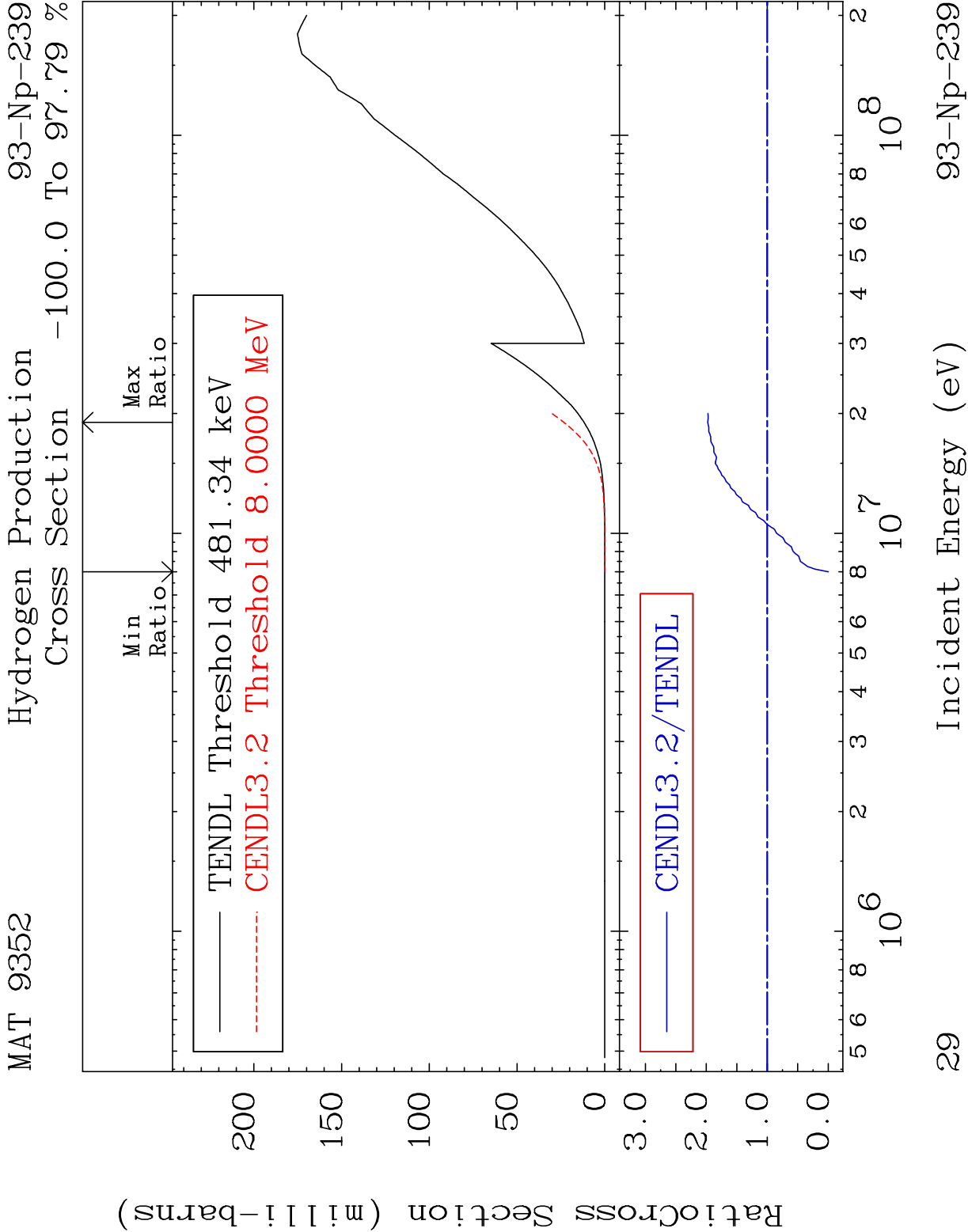
Incident Energy (eV)

93-Np-239



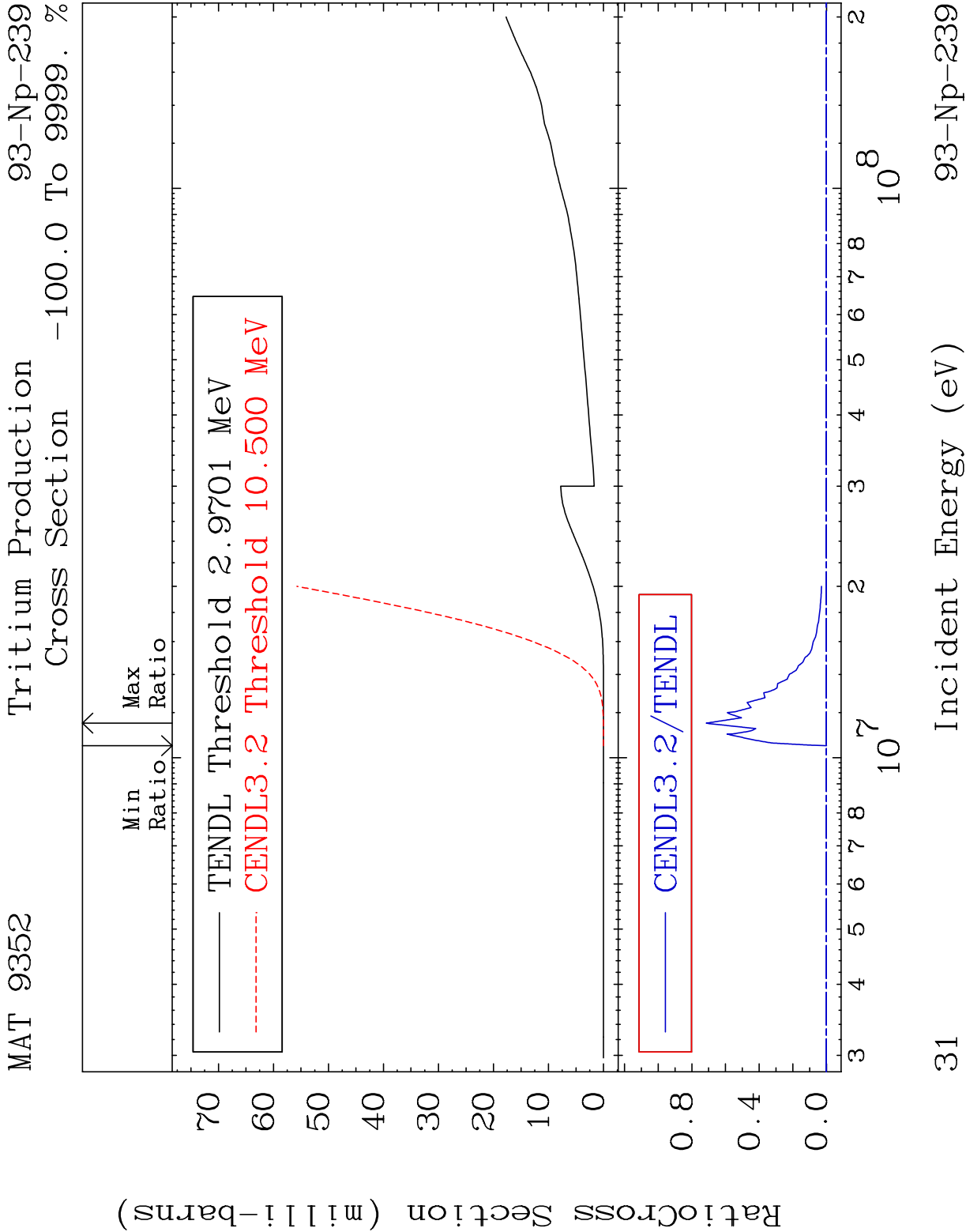




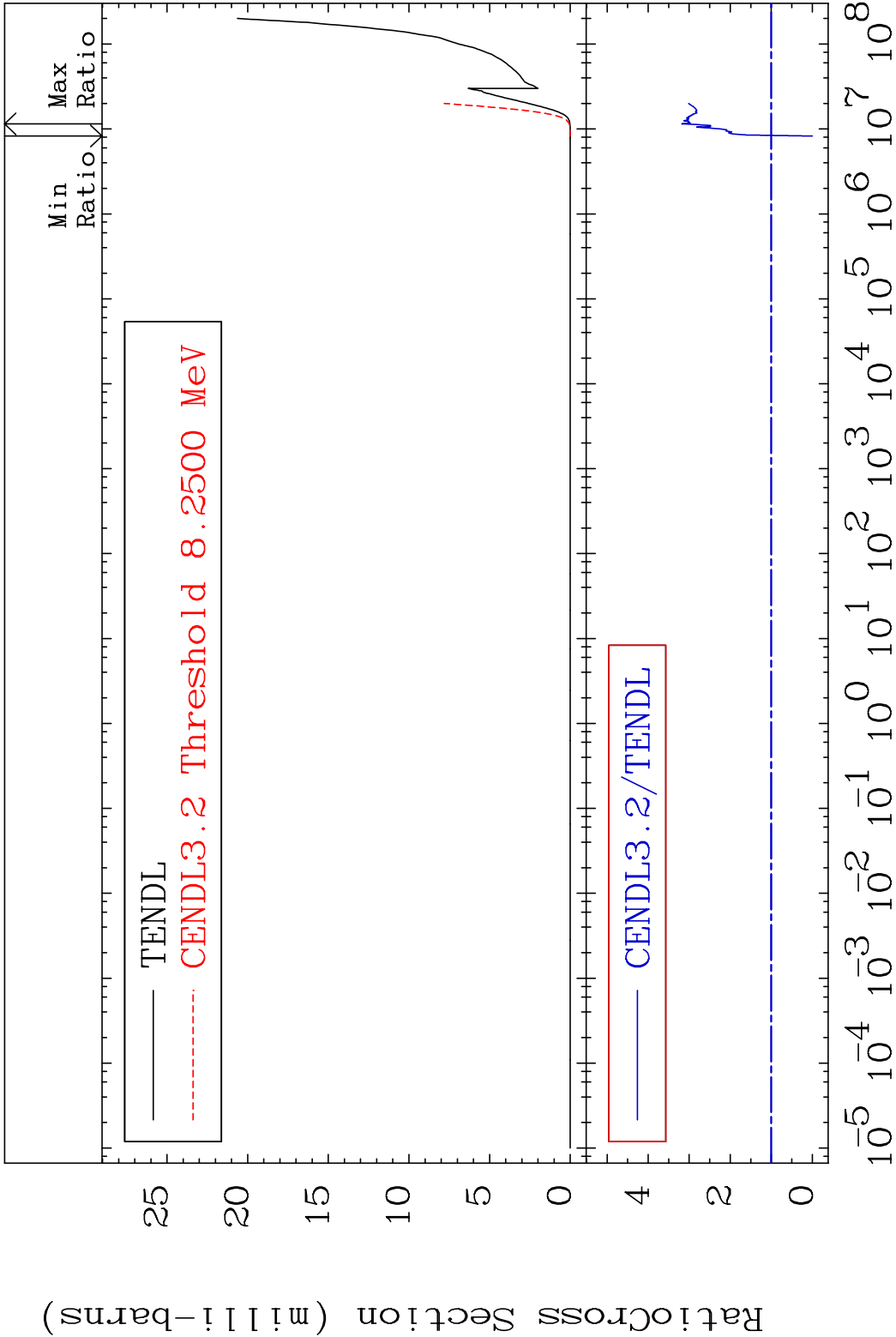


29

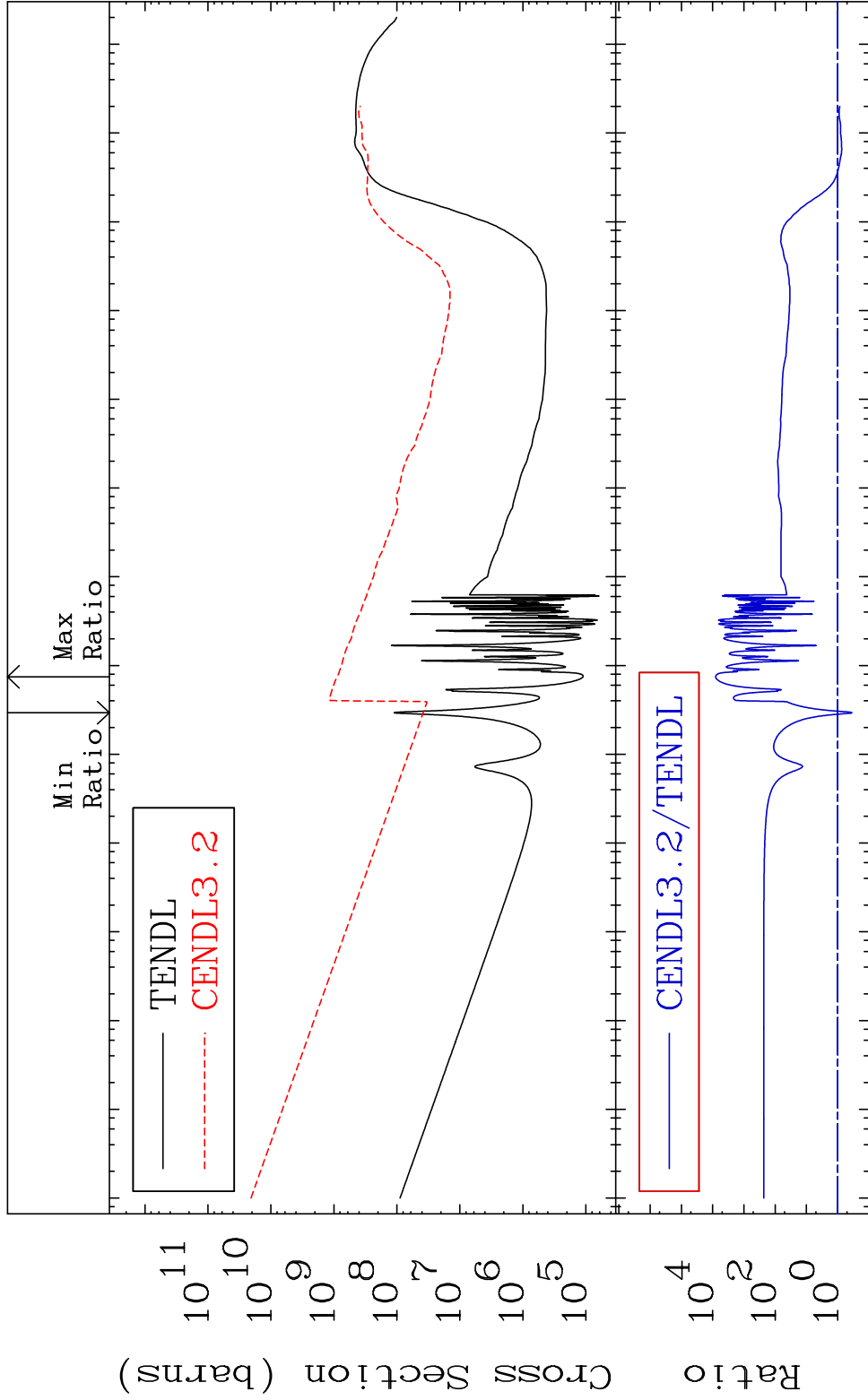
93-Np-239

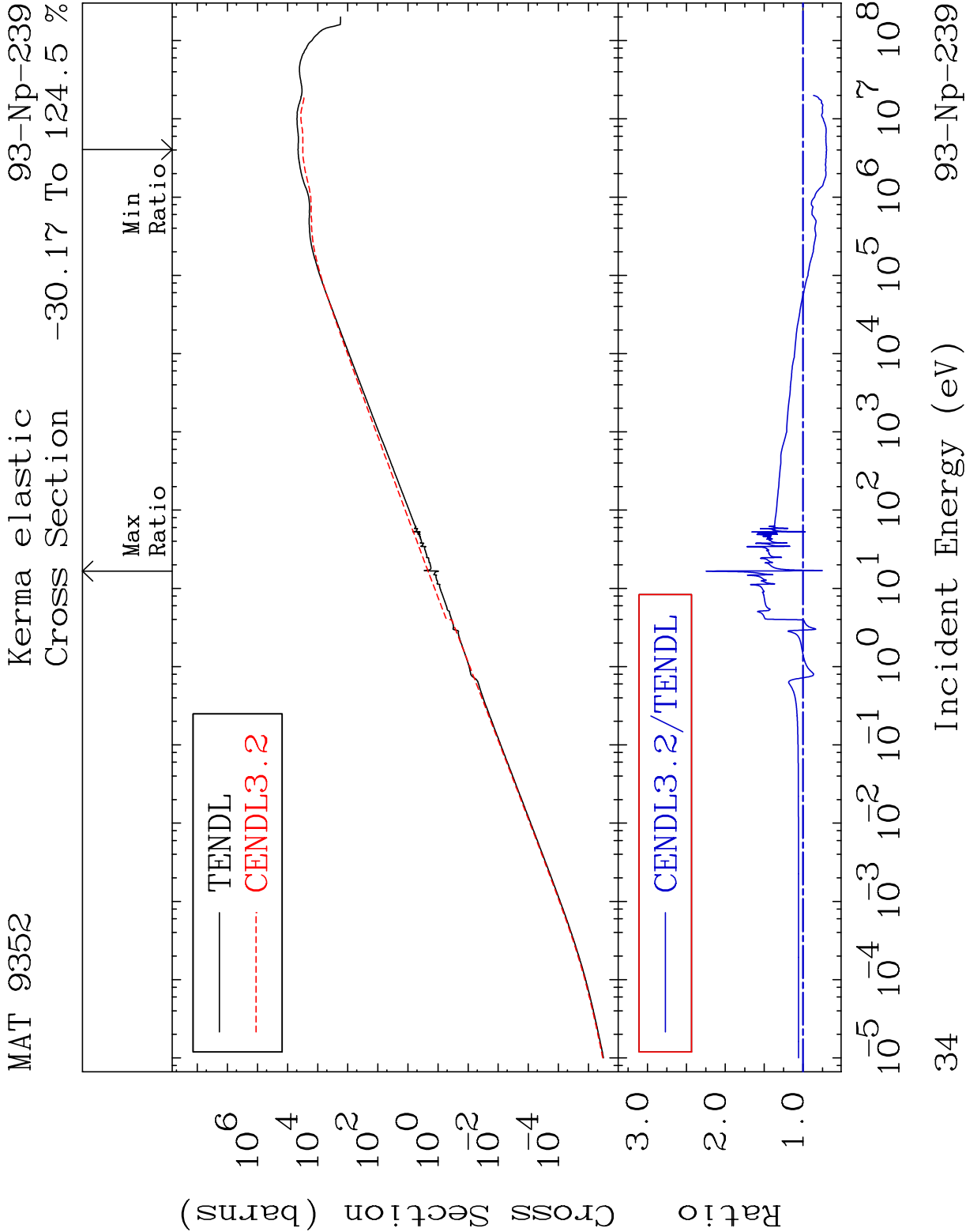


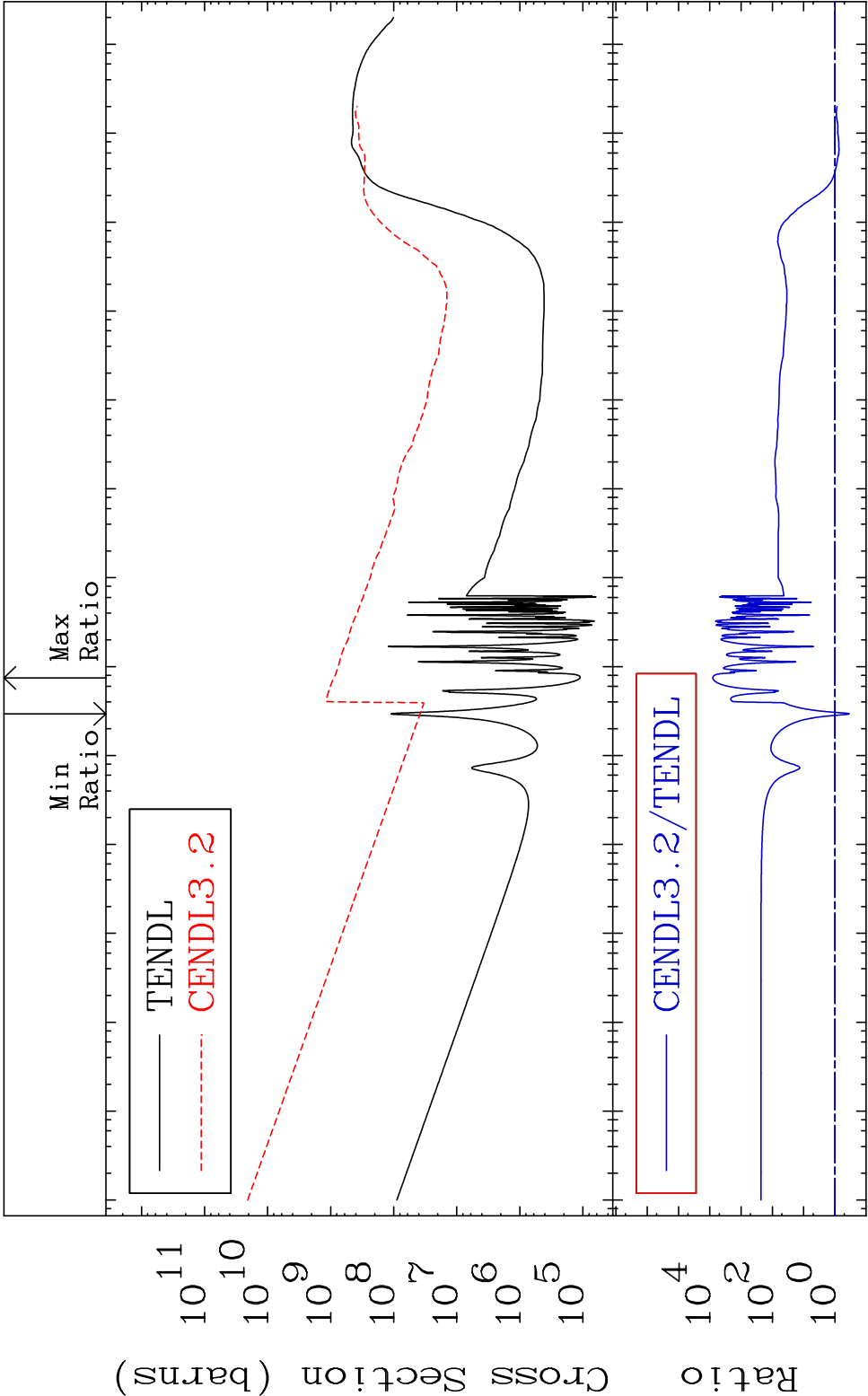
MAT 9352 He-4 Production 93-Np-239
Cross Section -100.0 To 218.2 %

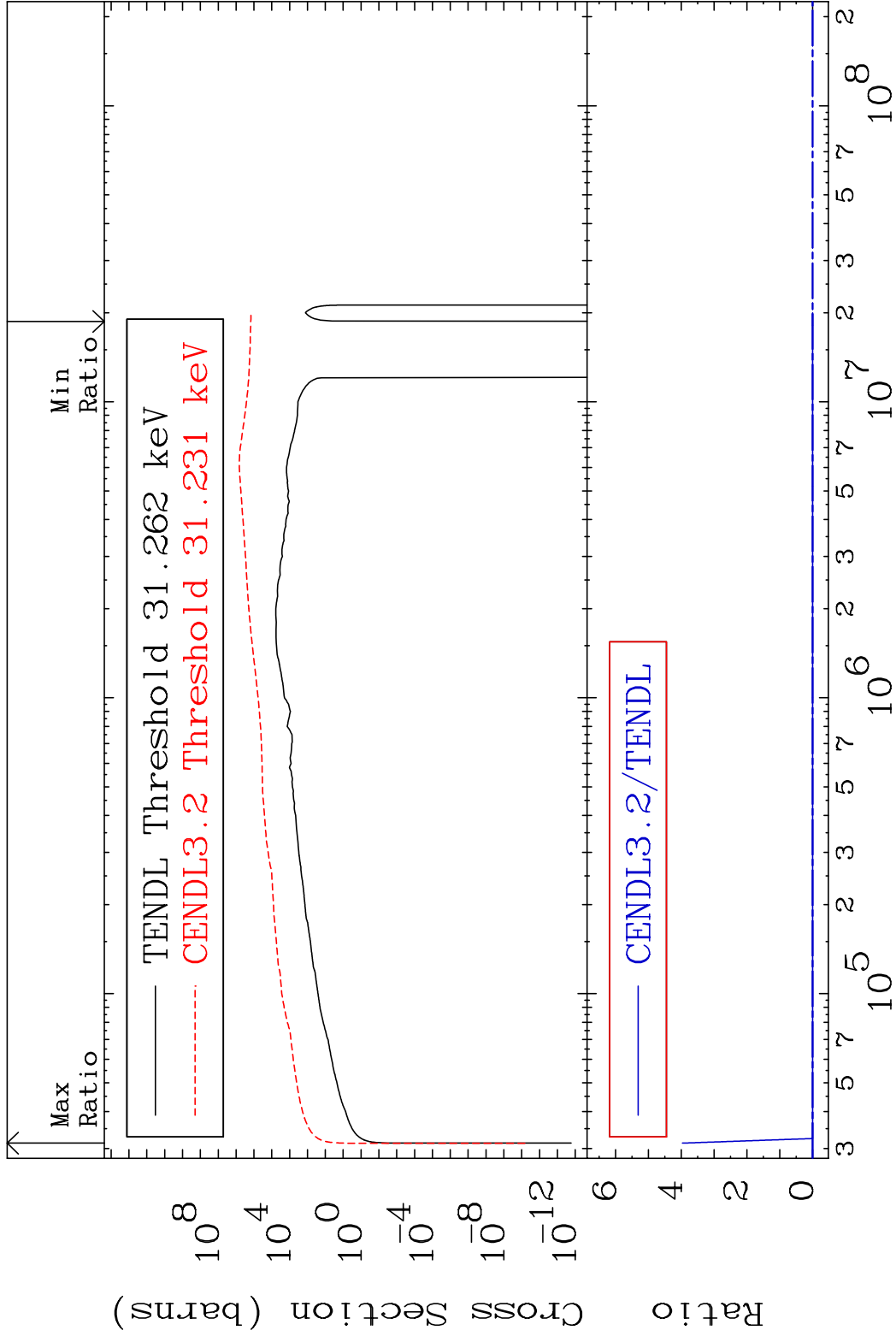


32 Incident Energy (eV) 93-Np-239



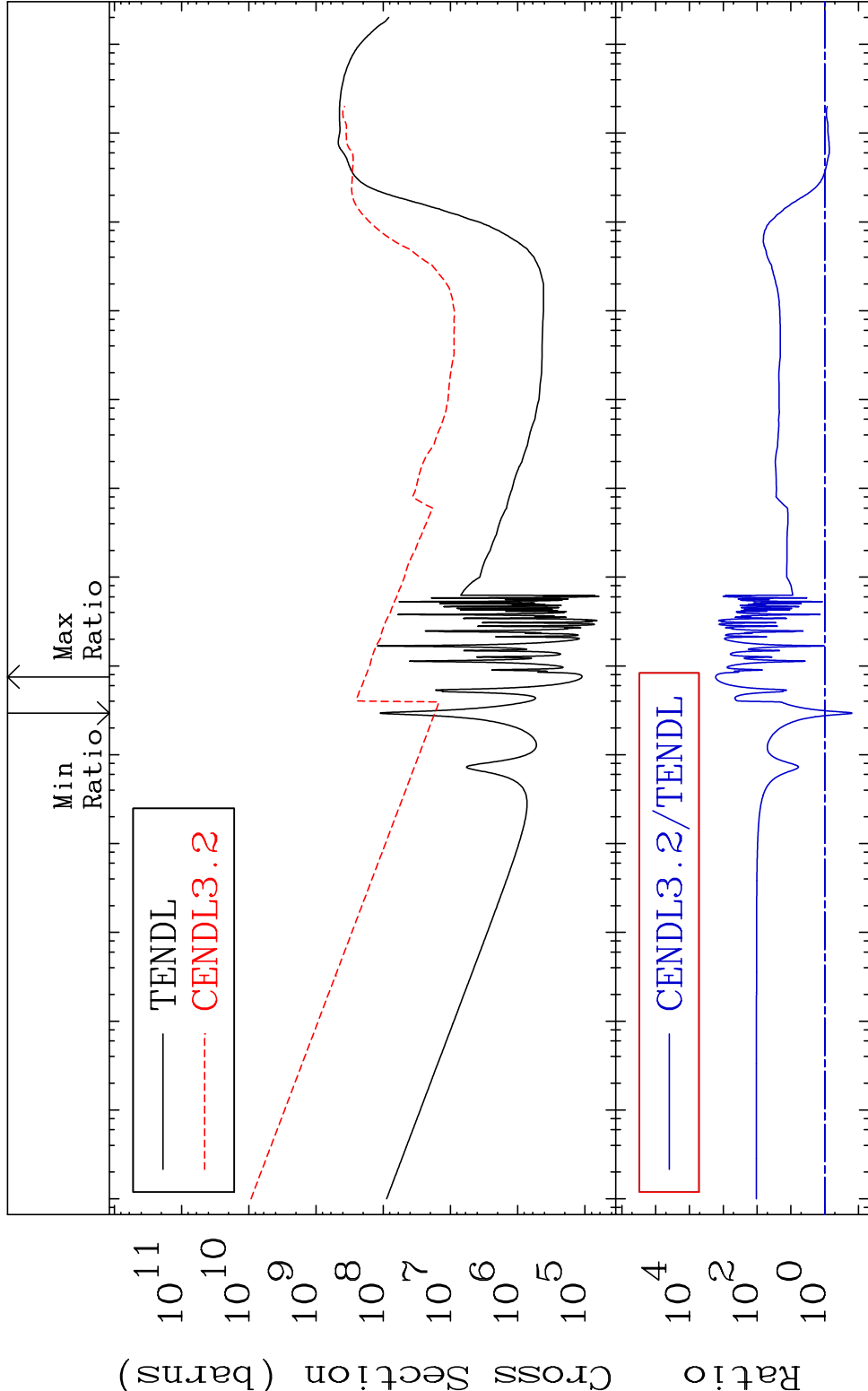


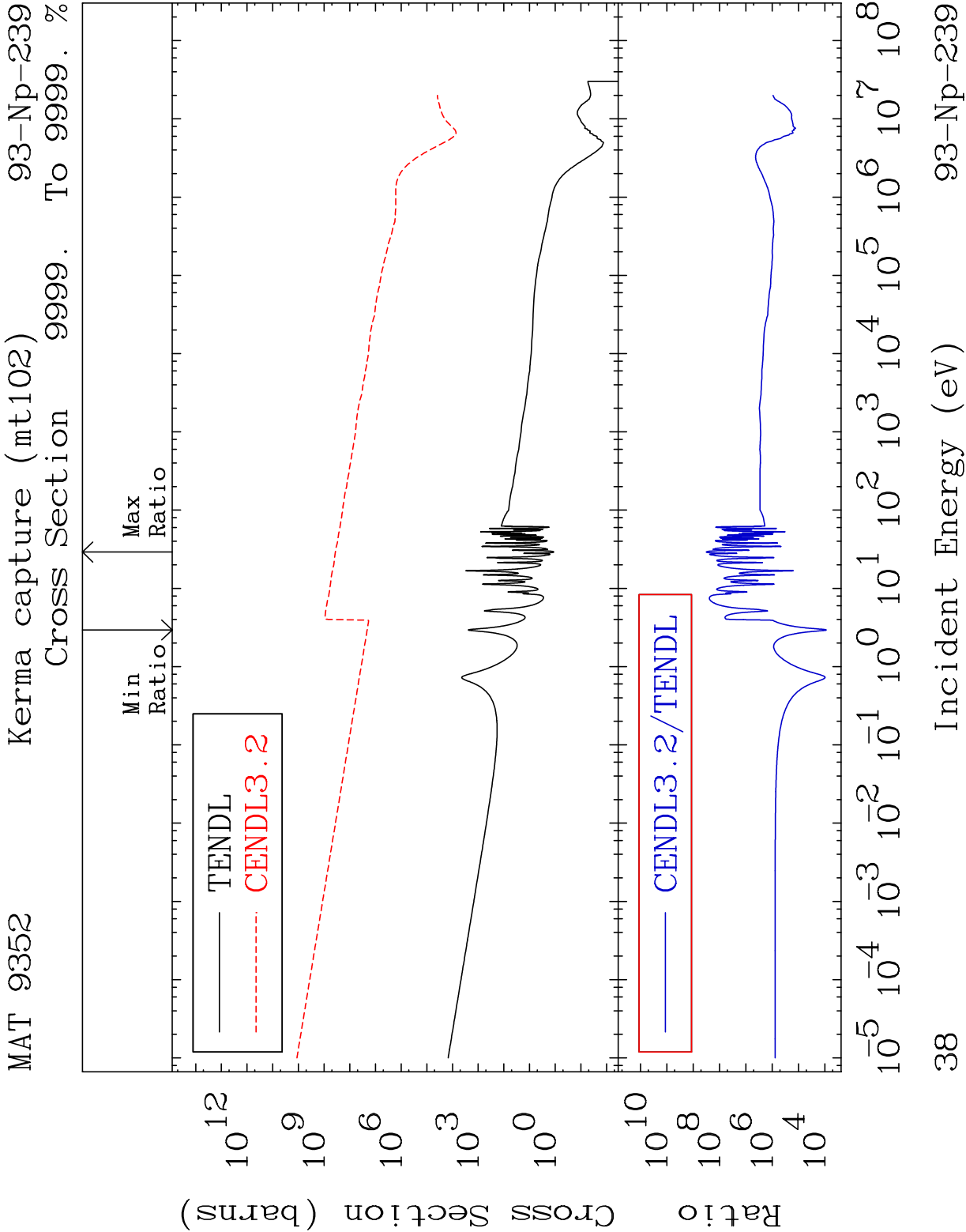


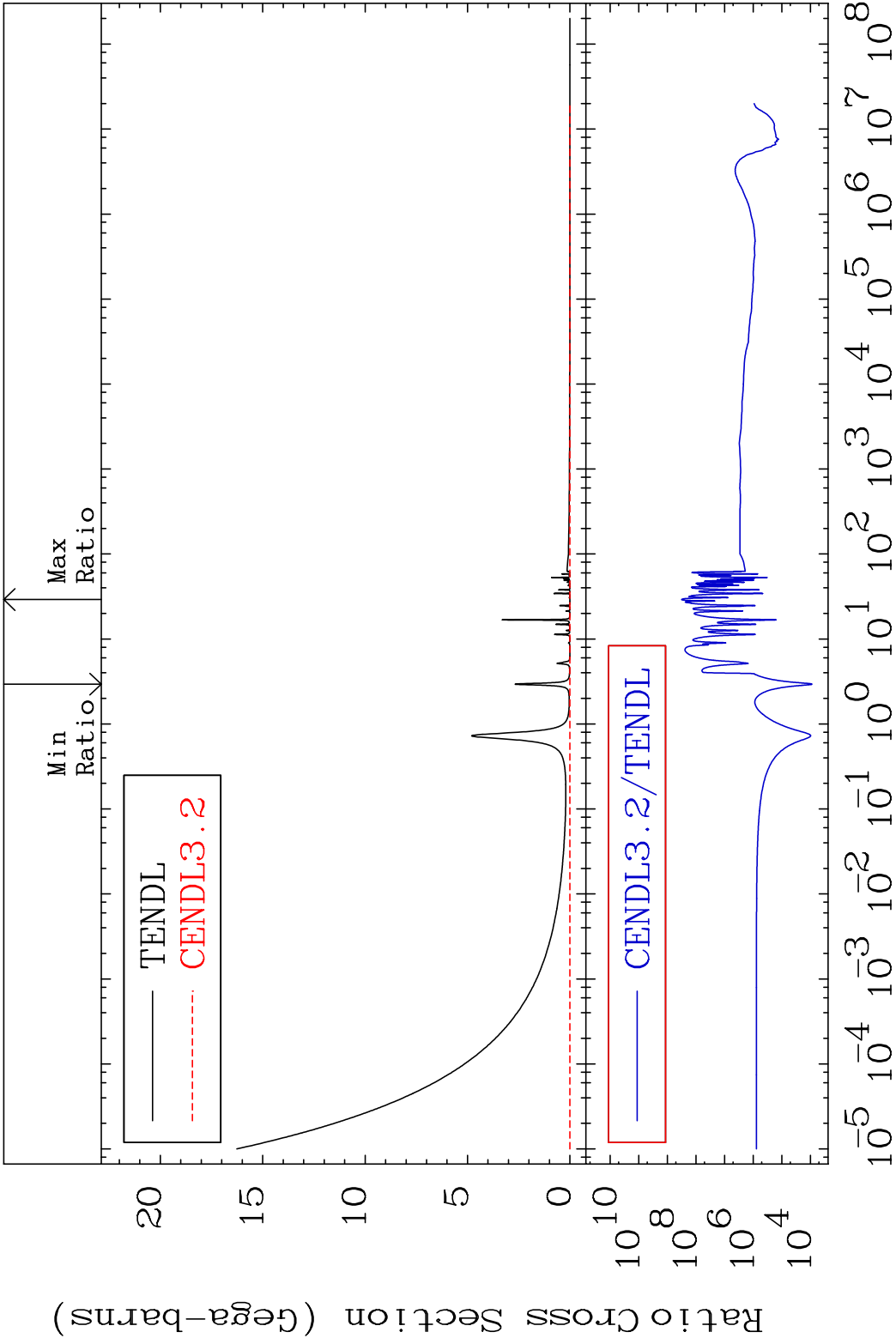


MAT 9352 Kerma fission (mt18 or mt19-20-21-38) 93-Np-239

Cross Section -84.68 To 9999. %

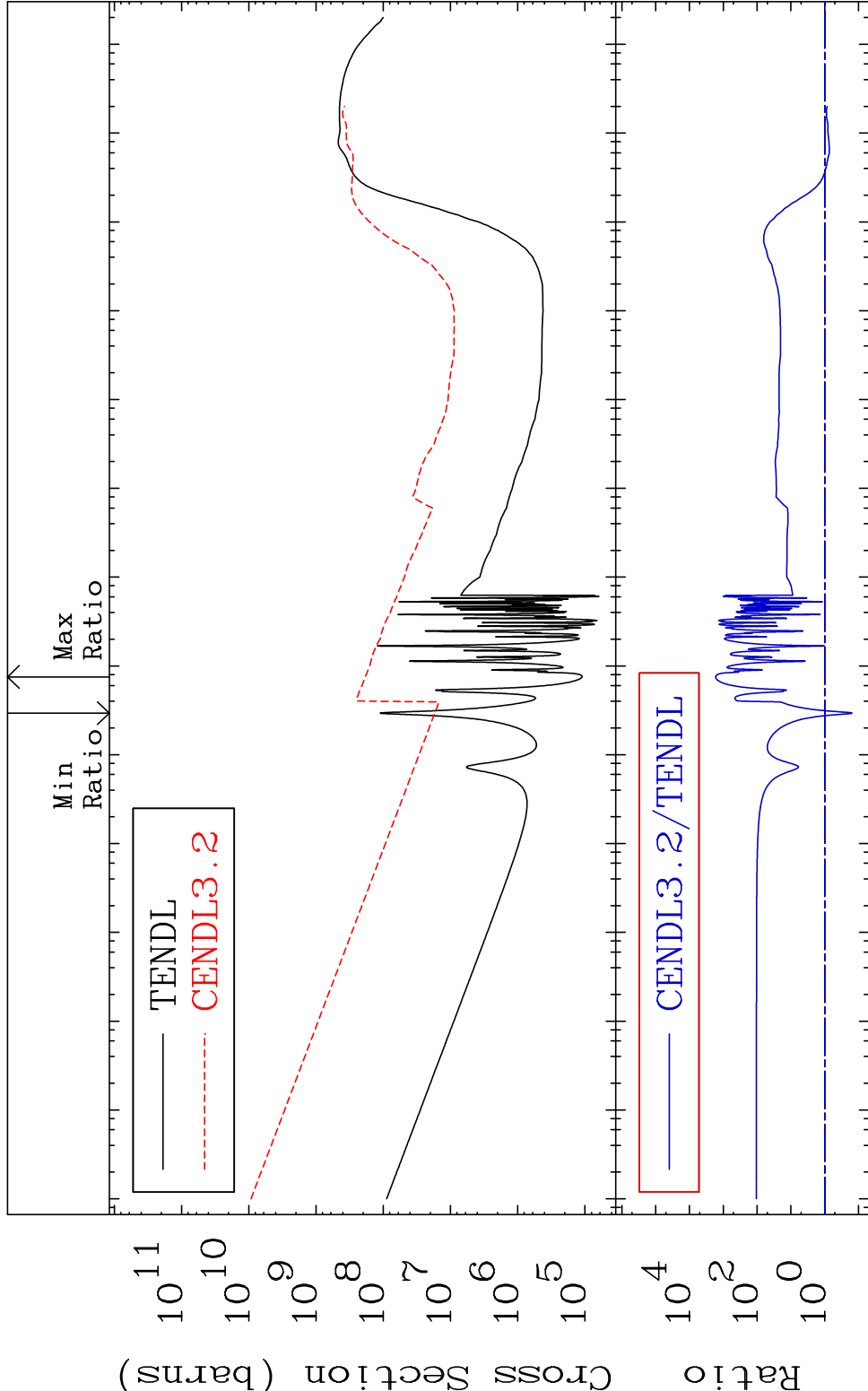






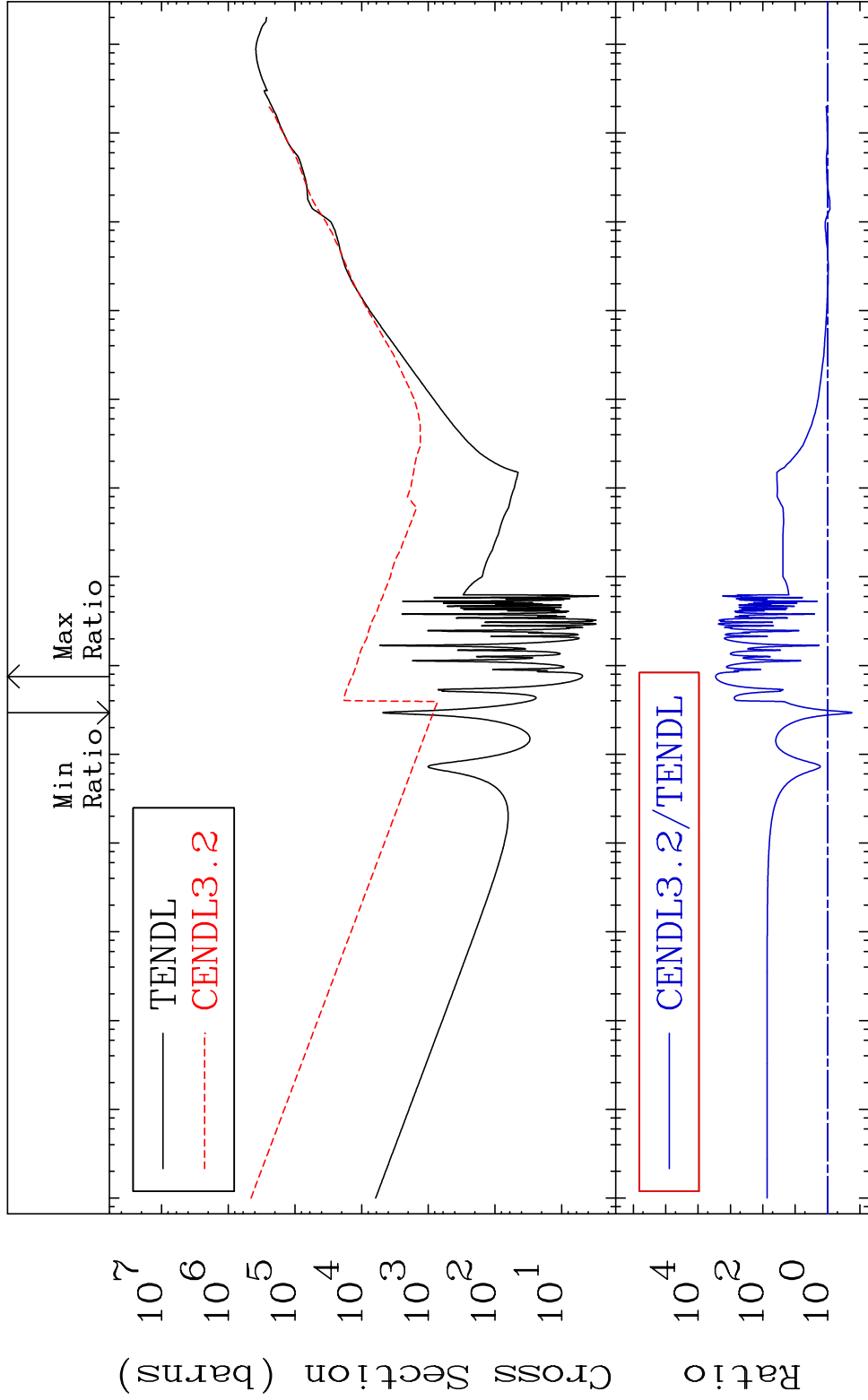
MAT 9352 Total kinematic kerma (high limit) 93-Np-239

Cross Section -84.68 To 9999. %

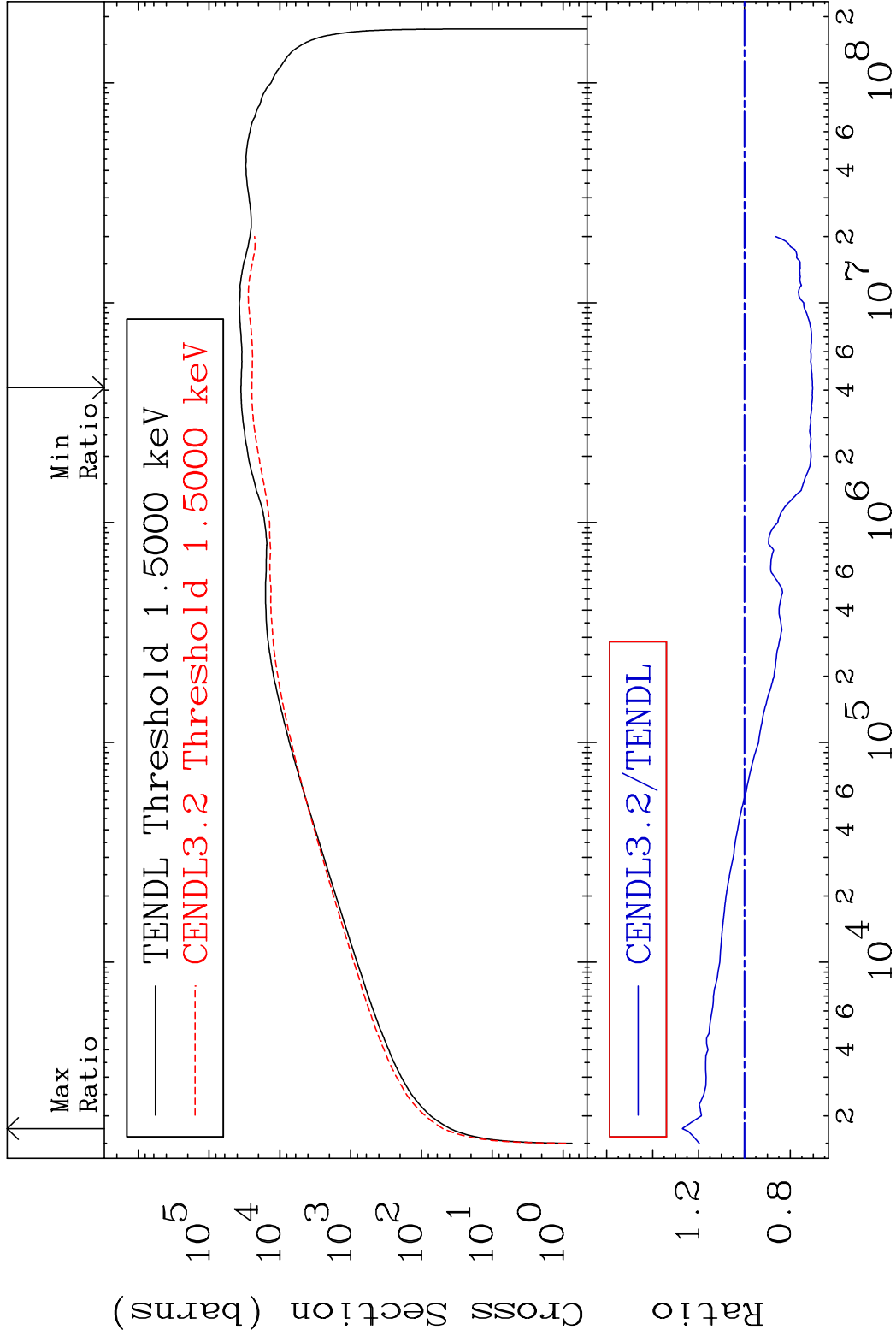


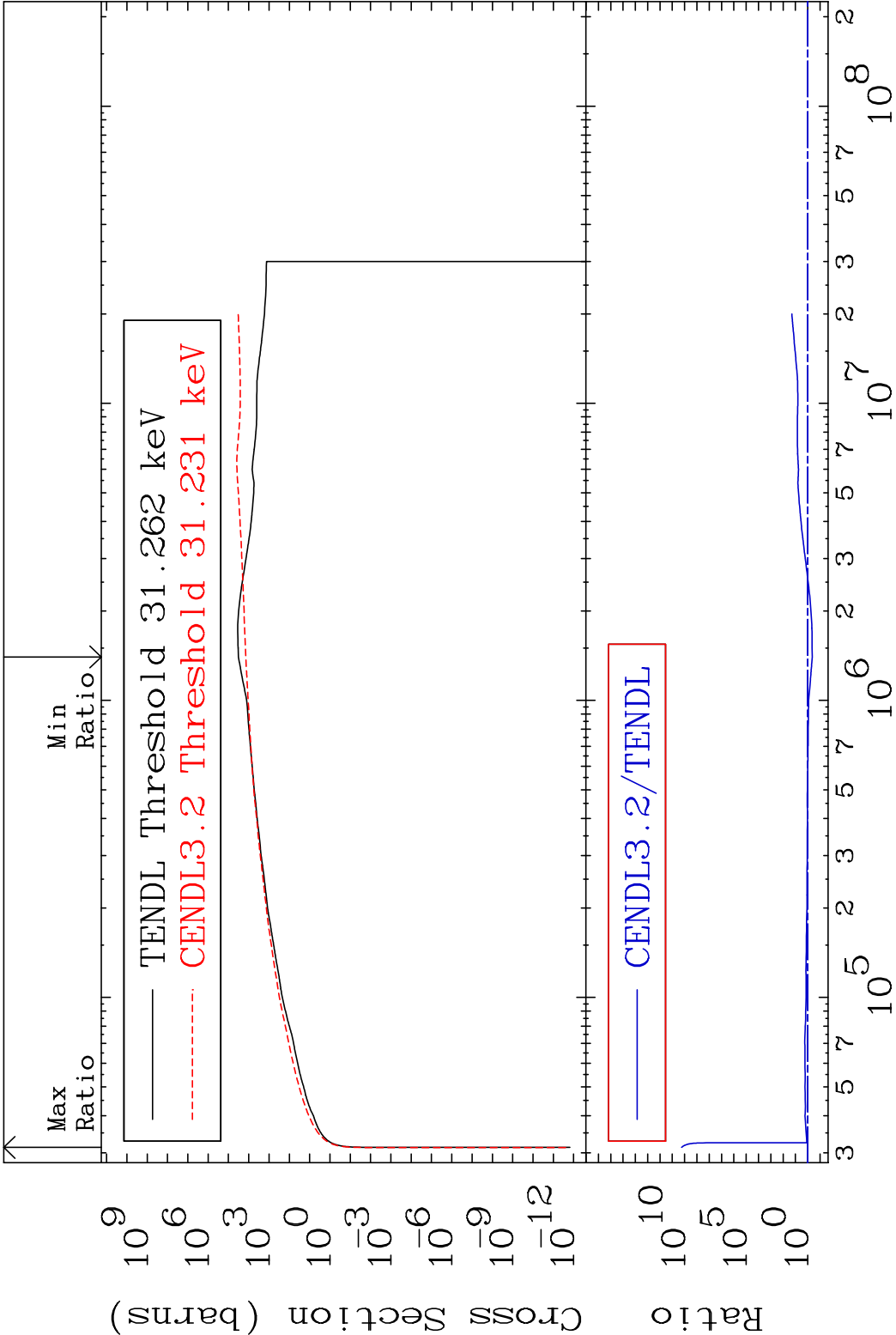
40 Incident Energy (eV) 93-Np-239

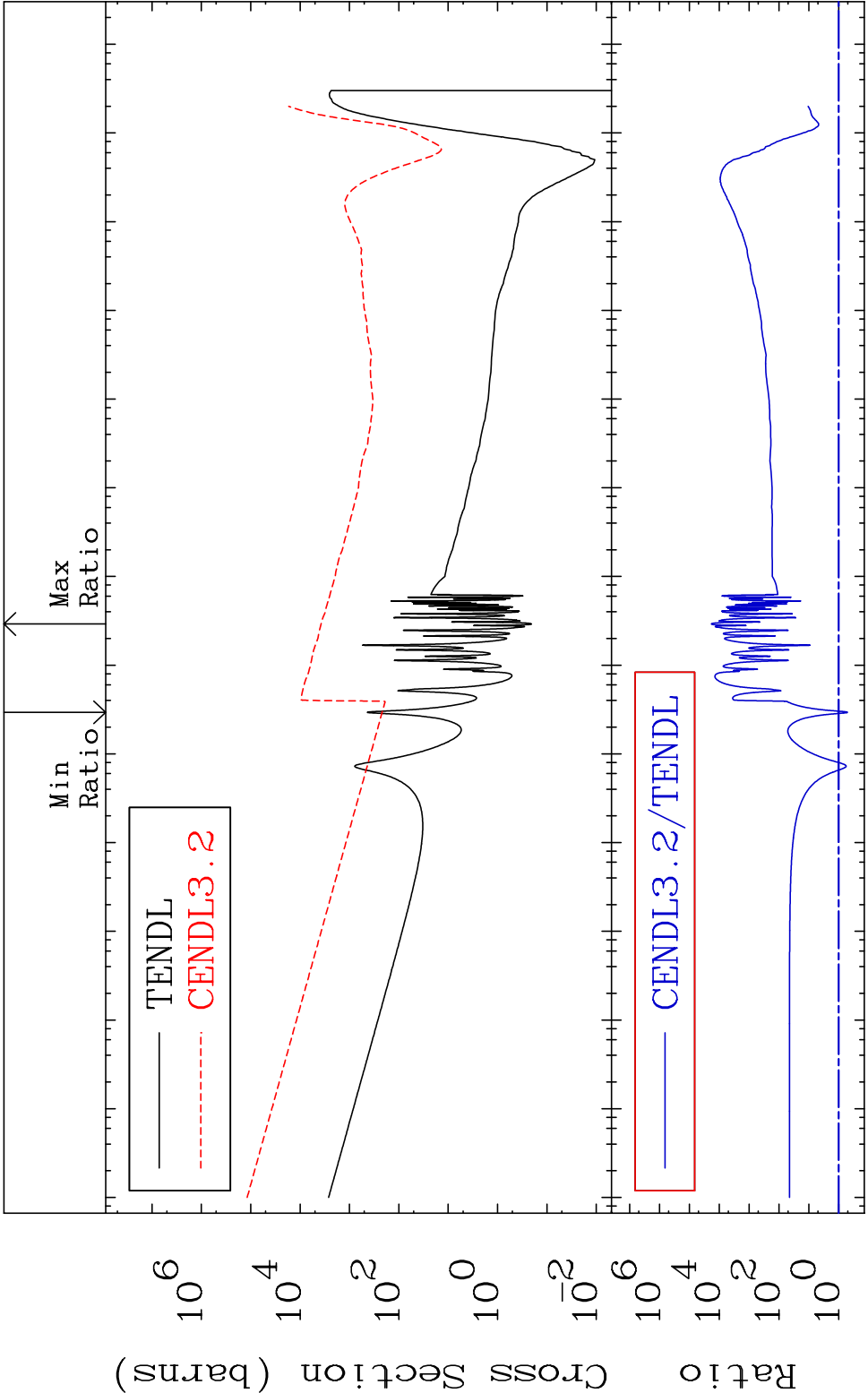
MAT 9352 Dpa total (eV-barns) 93-Np-239
Cross Section -82.67 To 9999. %

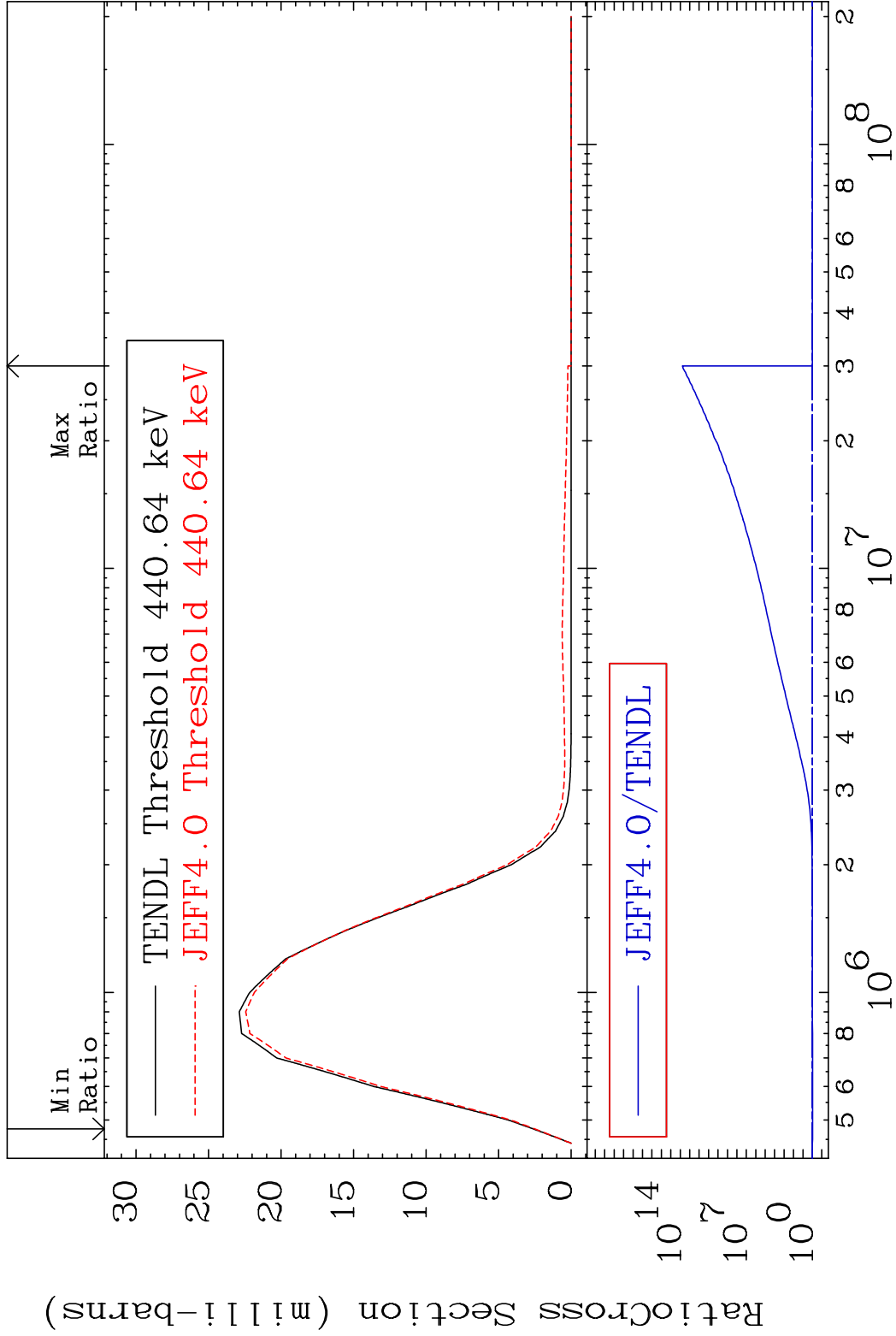


41 Incident Energy (eV) 93-Np-239

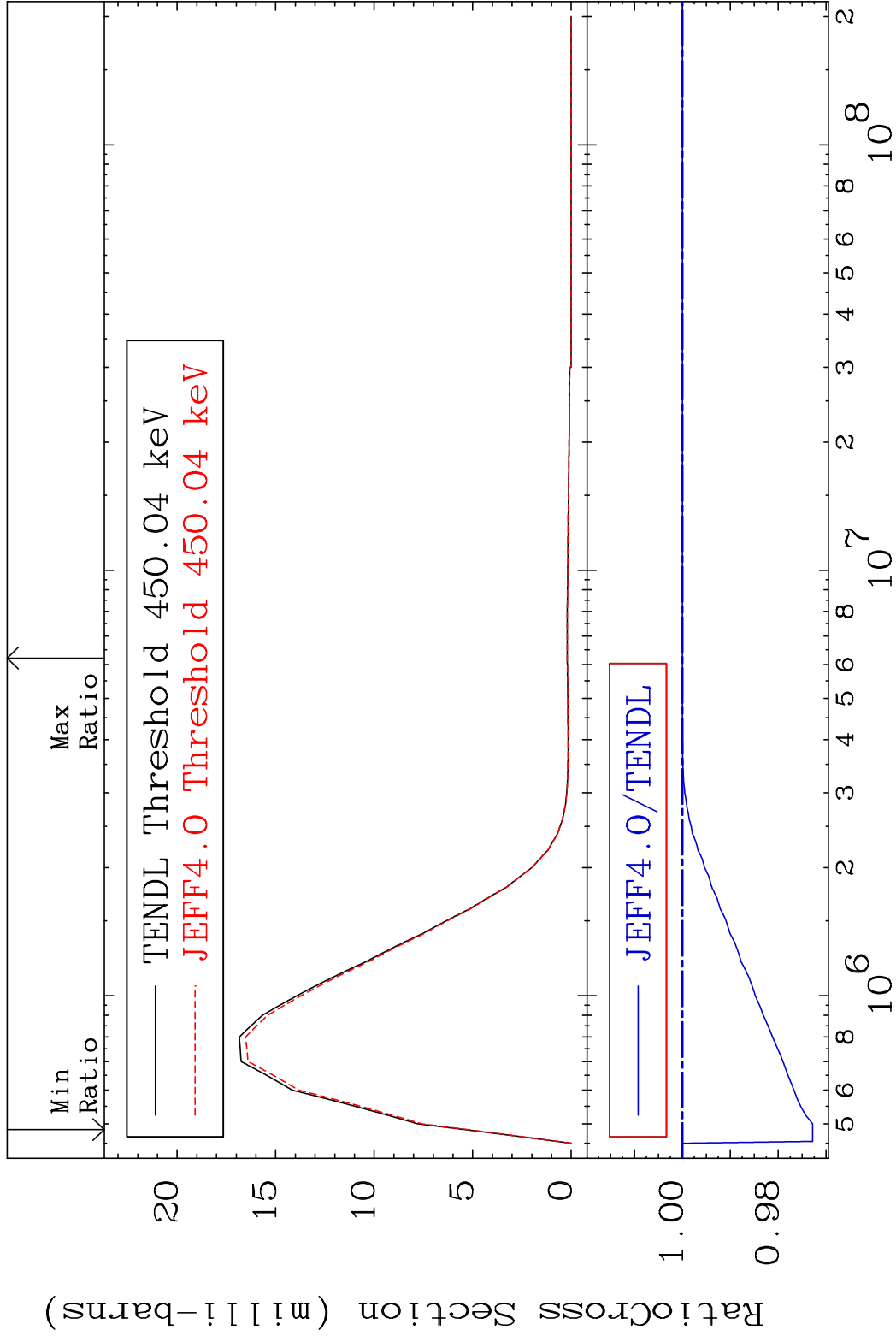




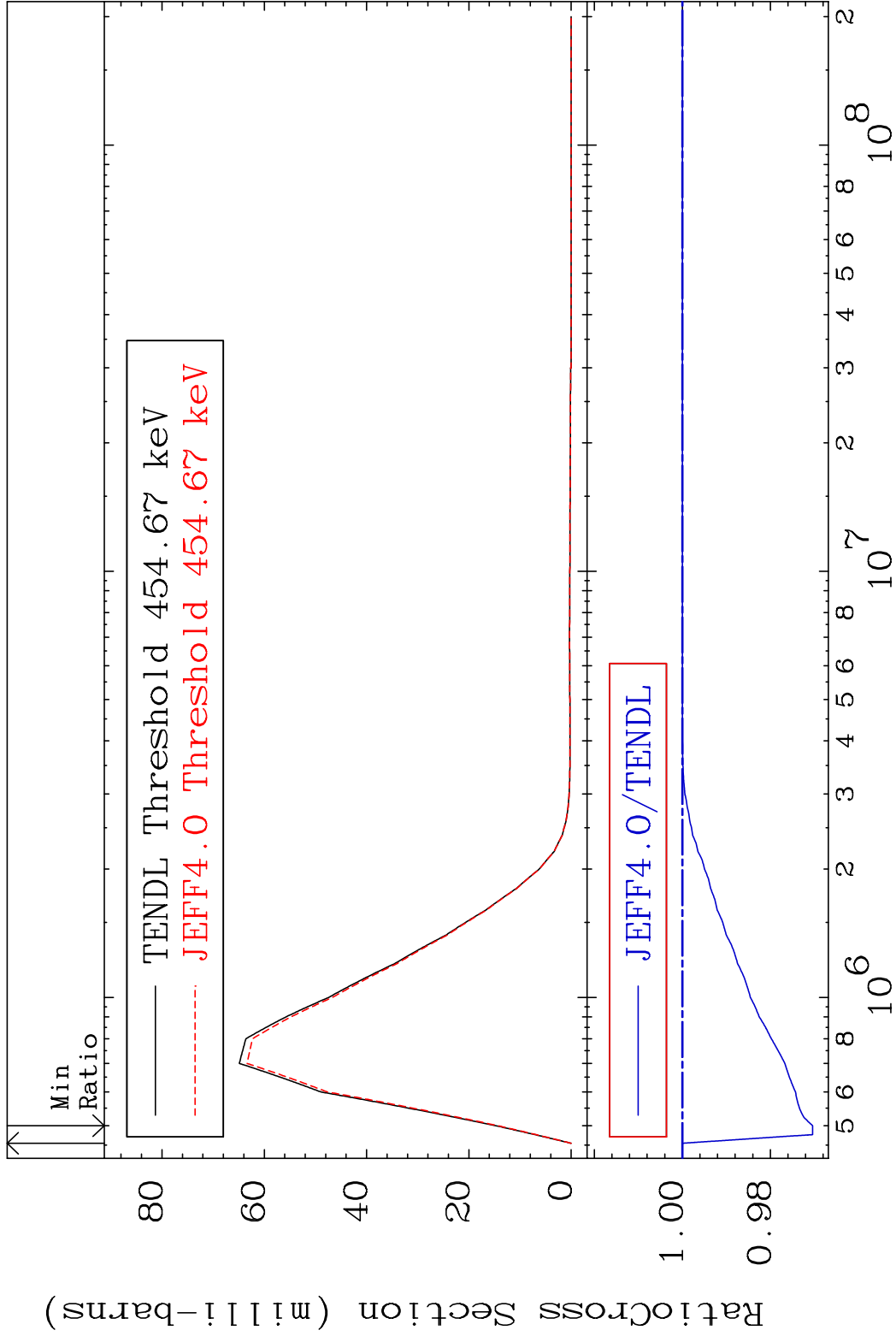




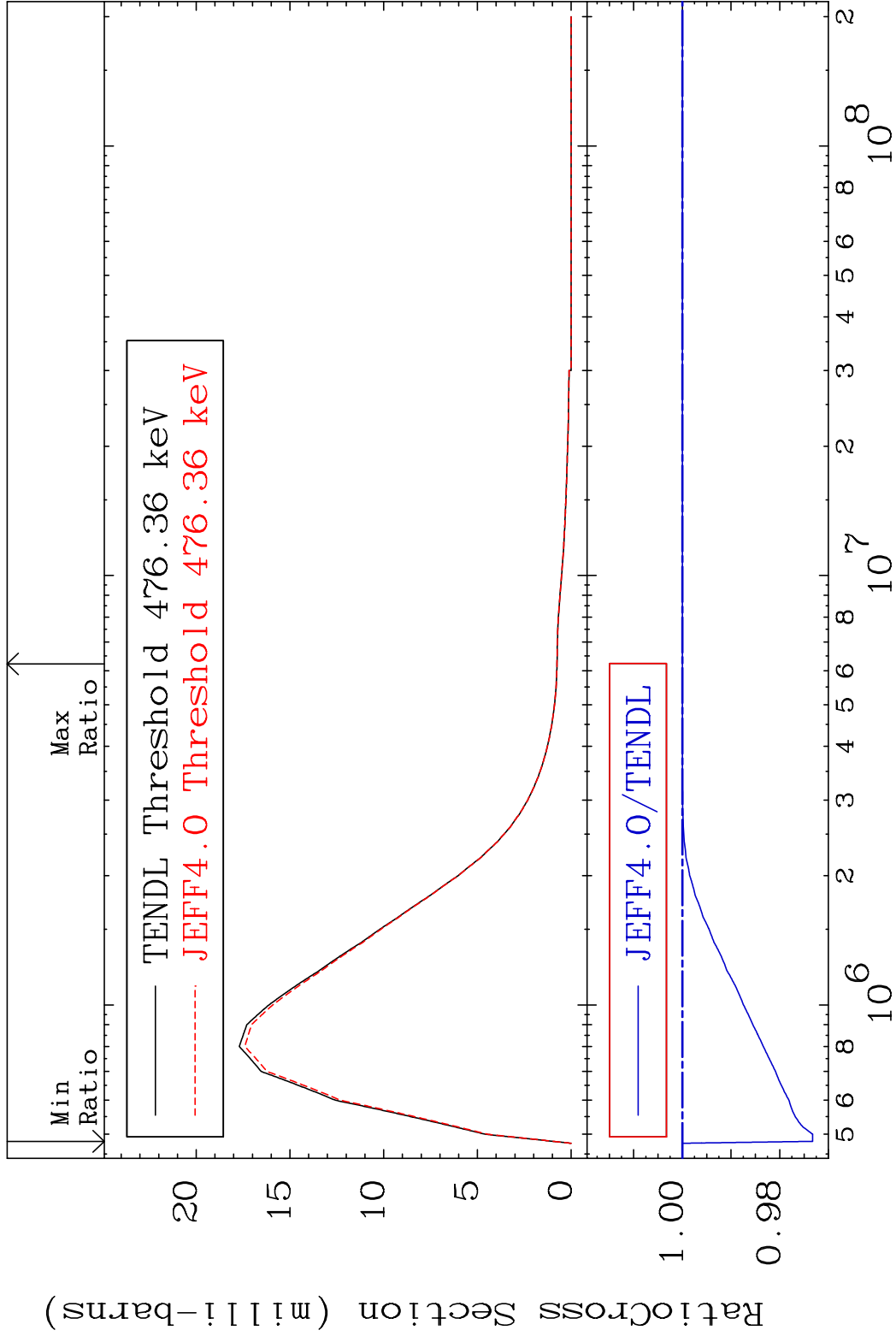
MAT 9352 MT= 73 (n,n') Level 93-Np-239
Cross Section -2.717 To 0.000 %



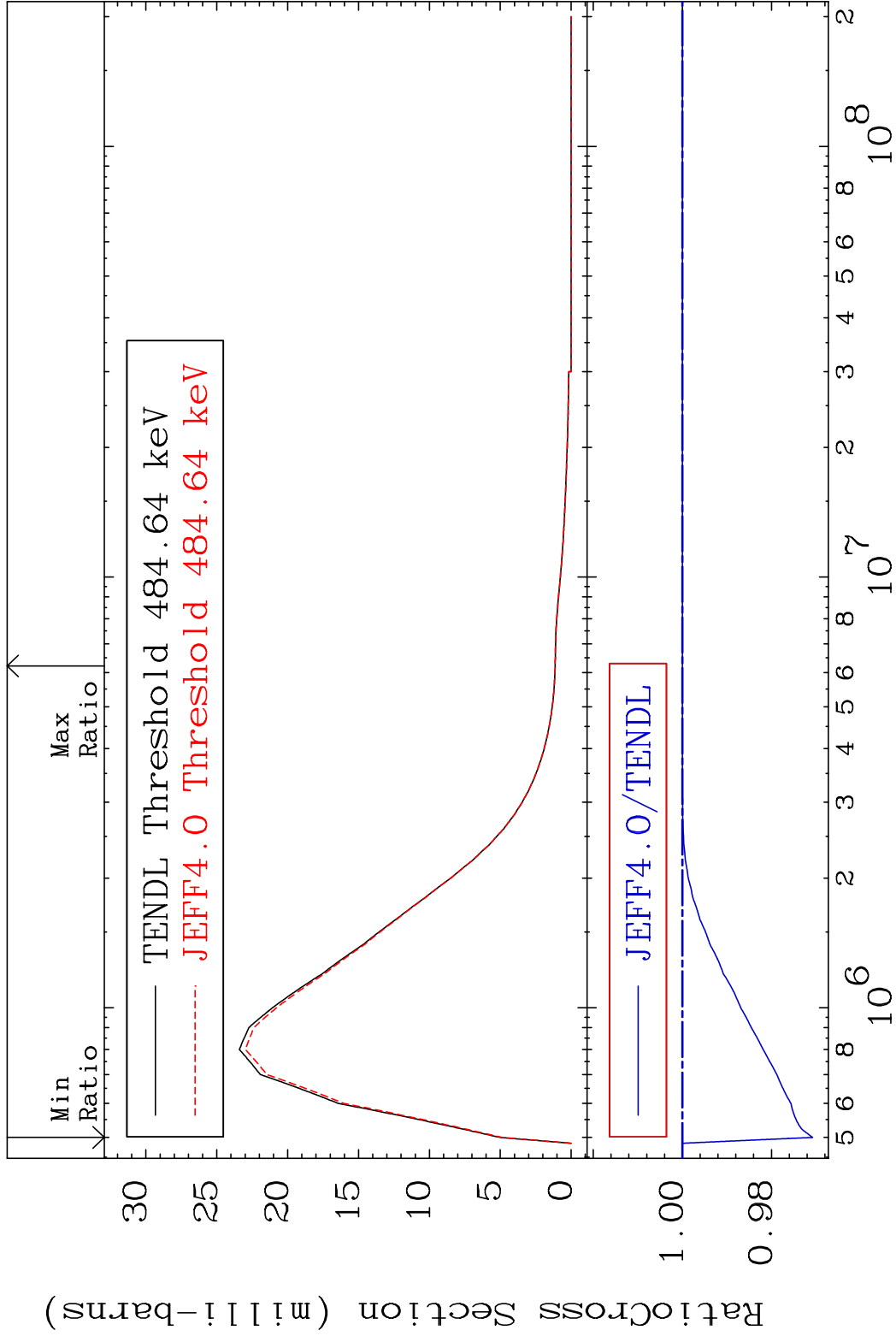
MAT 9352 MT= 74 (n,n') Level 93-Np-239
Cross Section -2.959 To 0.000 %



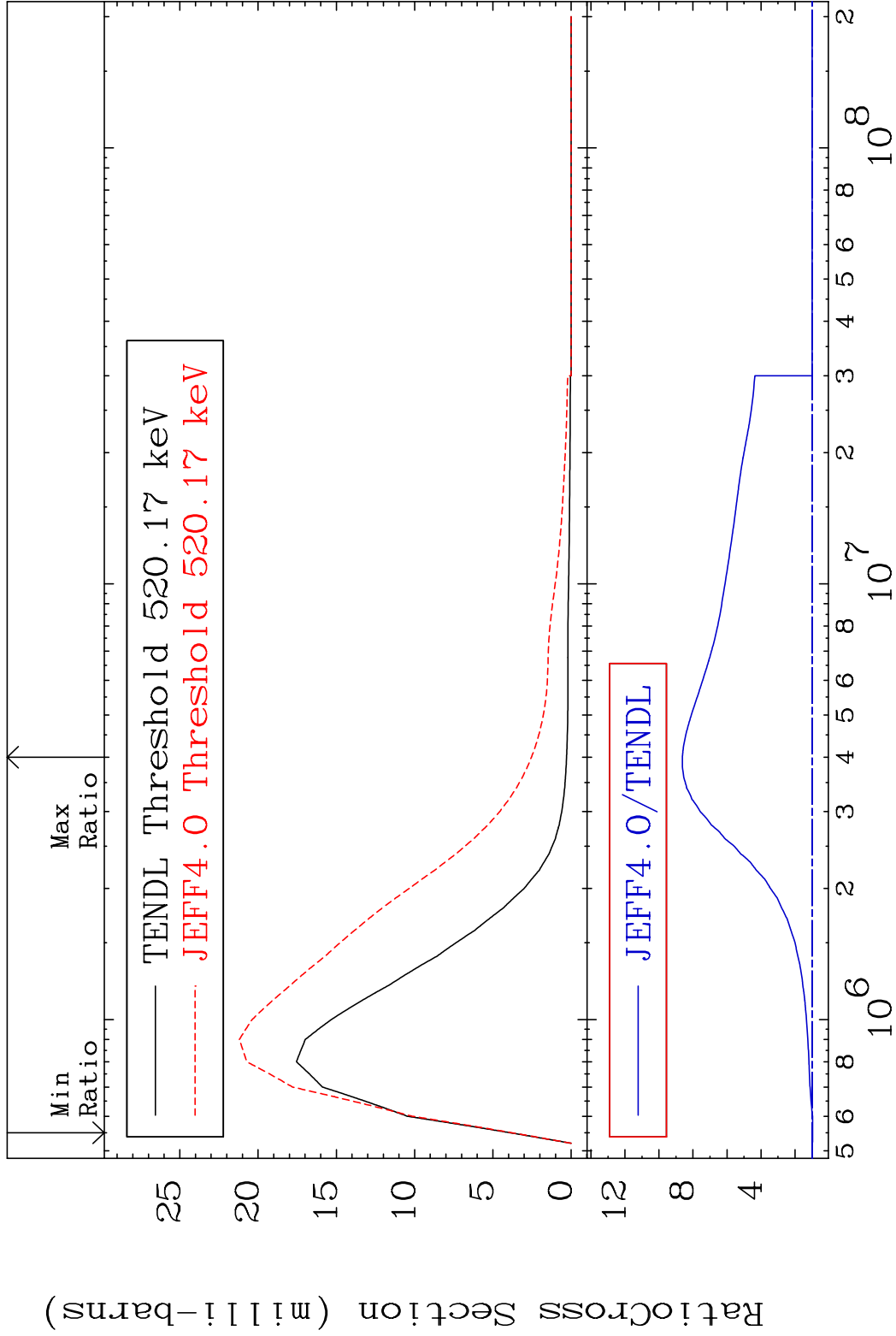
MAT 9352 MT= 75 (n,n') Level 93-Np-239
Cross Section -2.674 To 0.000 %



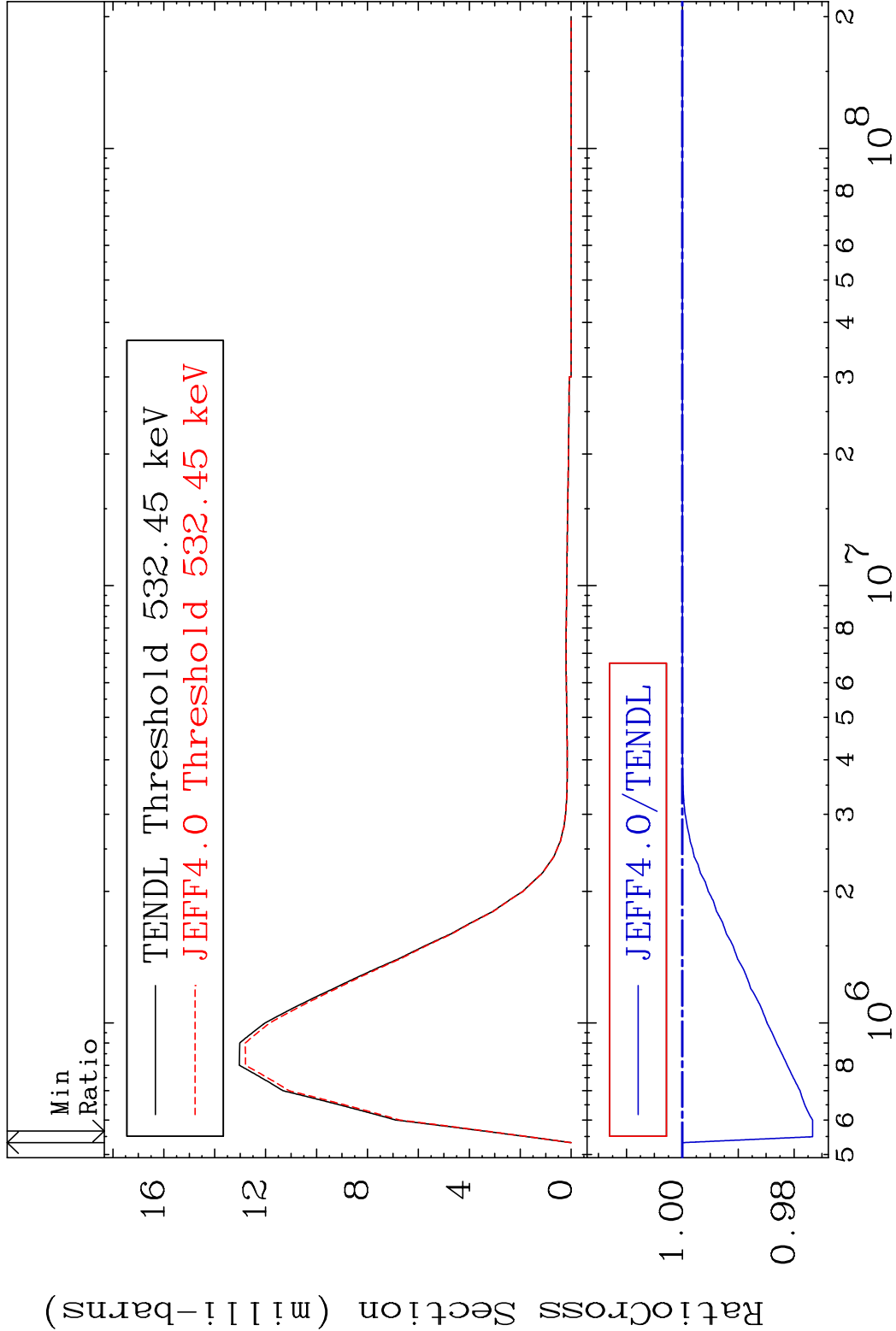
MAT 9352 MT= 76 (n,n') Level 93-Np-239
Cross Section -2.922 To 0.000 %

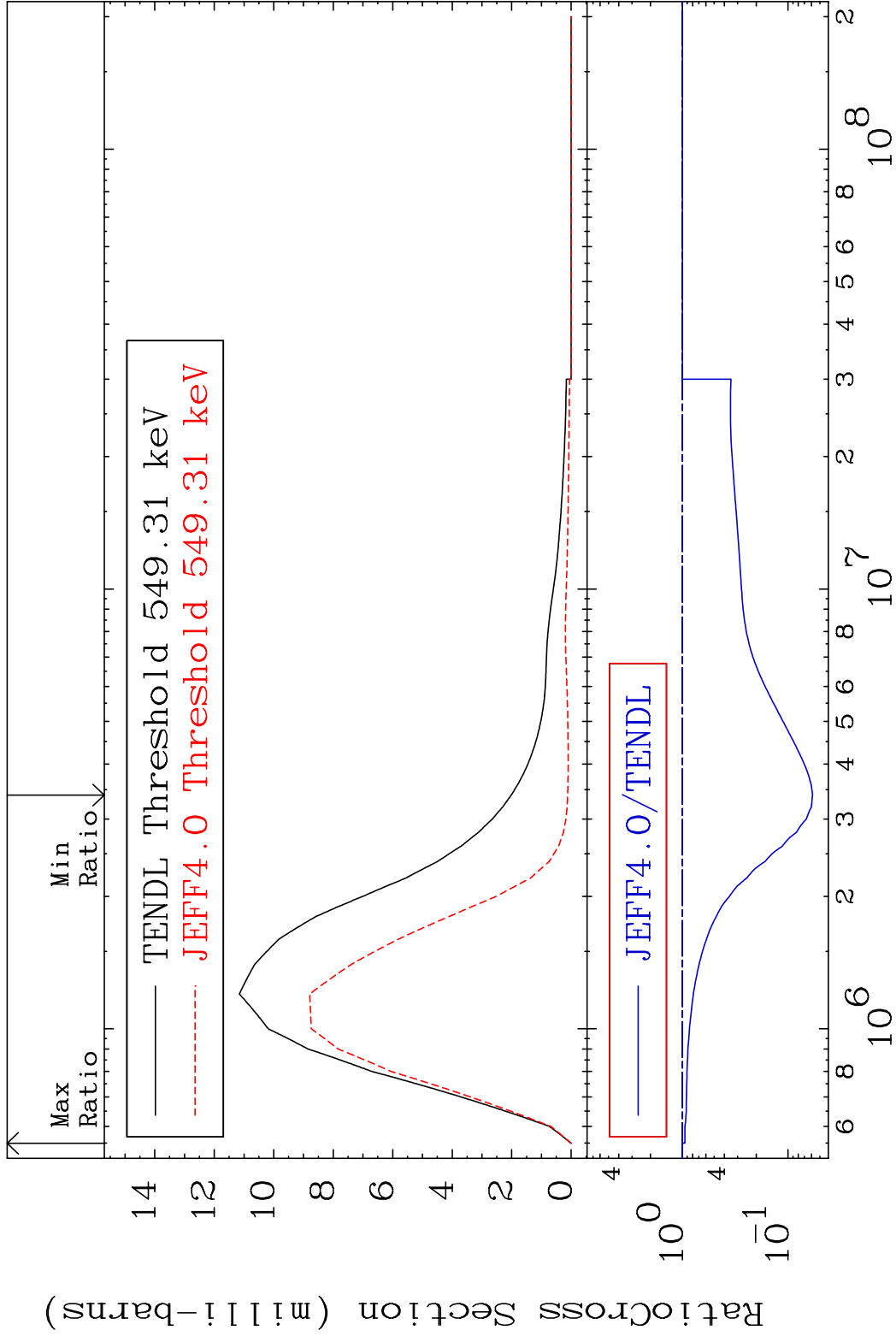


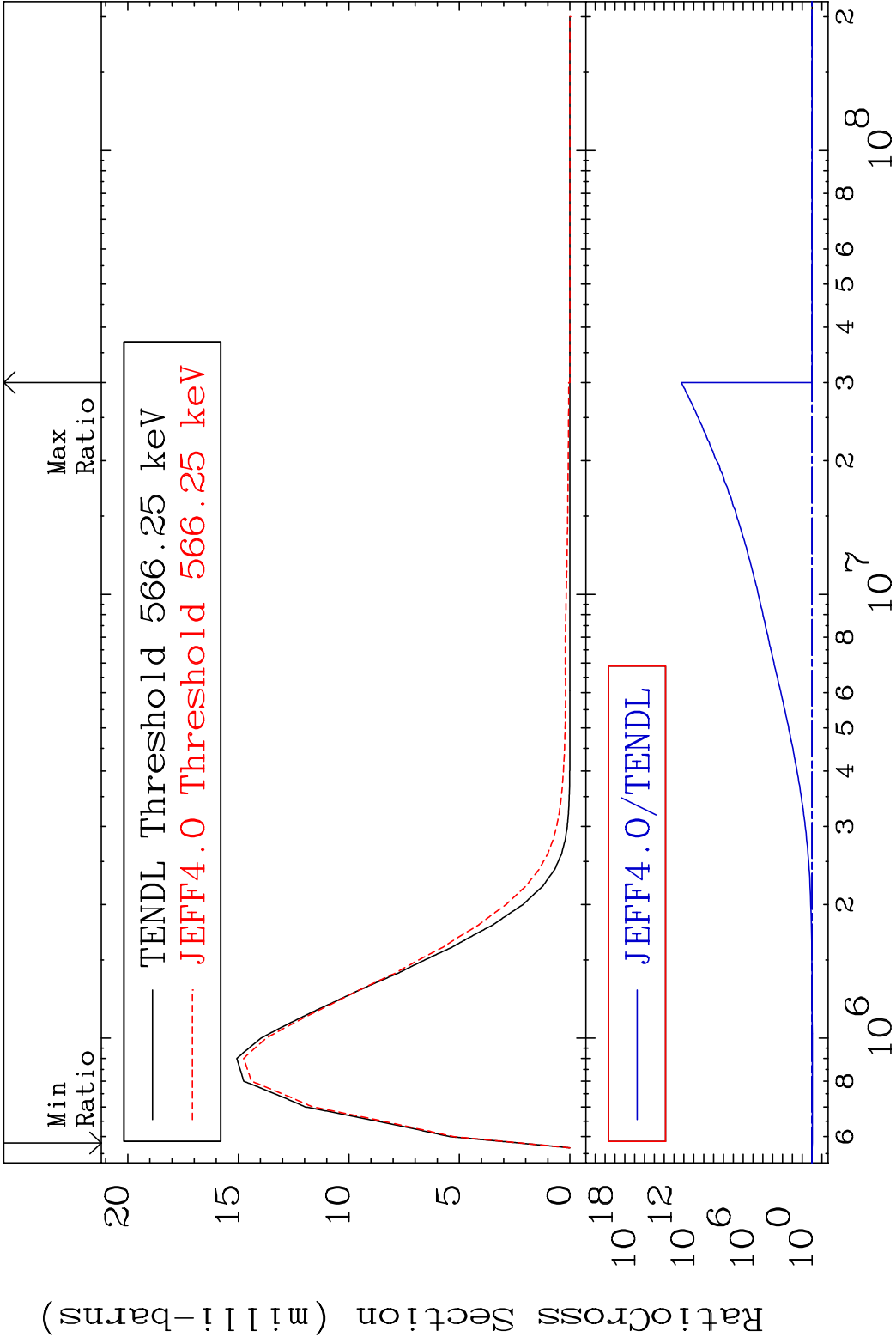
MAT 9352 MT= 77 (n,n') Level 93-Np-239
Cross Section -3.002 To 762.5 %

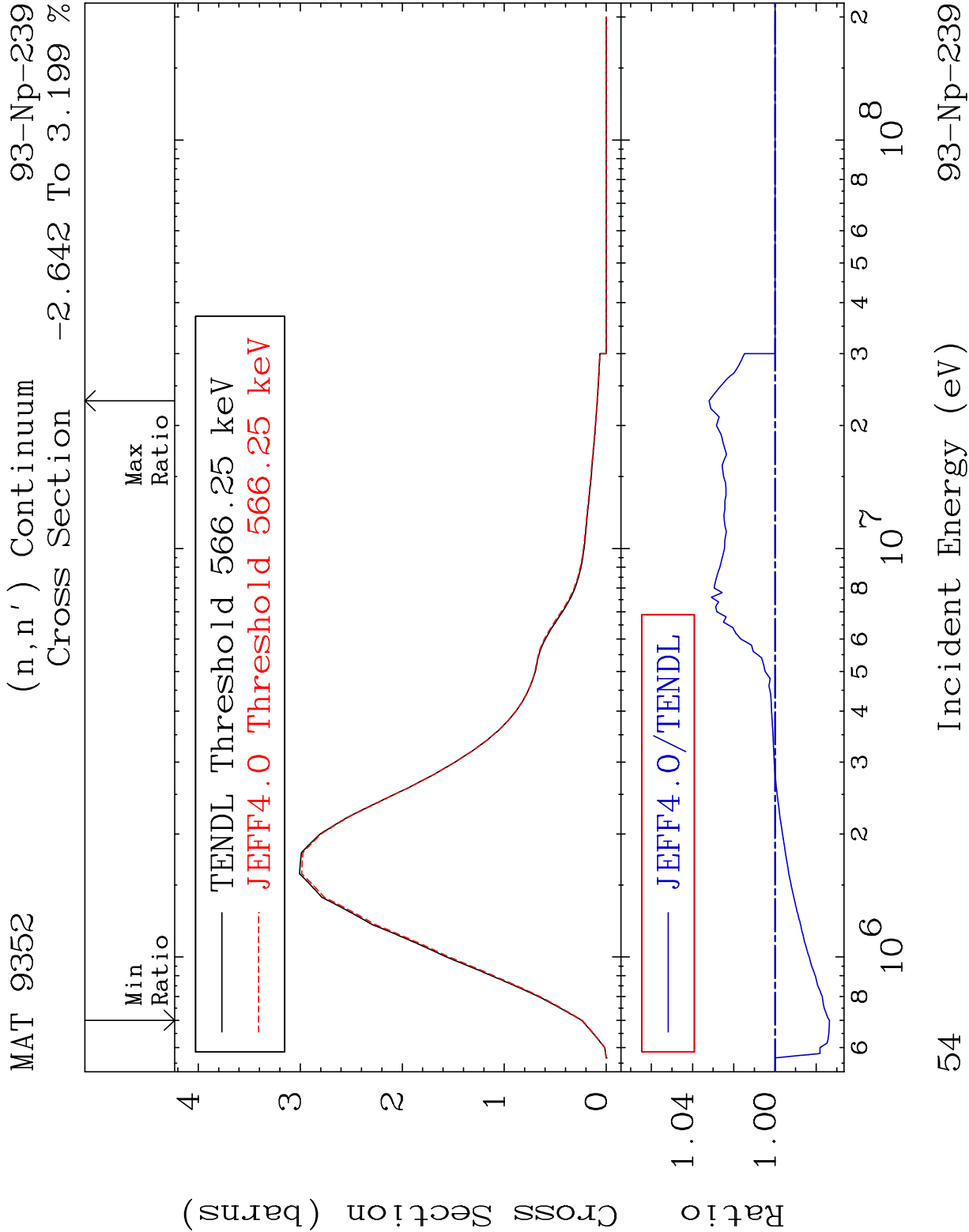


MAT 9352 MT= 78 (n,n') Level 93-Np-239
 Cross Section -2.331 To 0.000 %







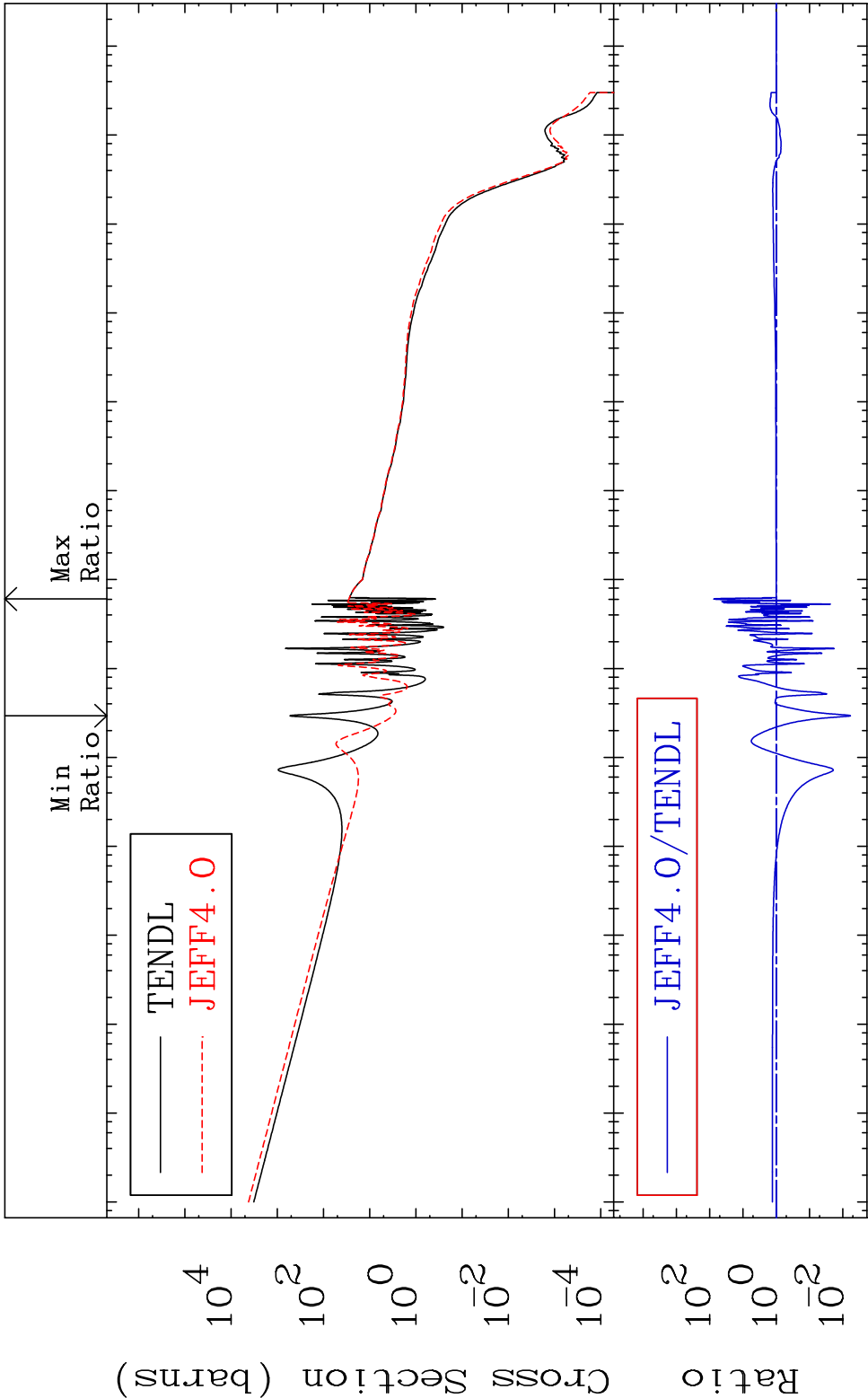


MAT 9352

(n, γ)

93-Np-239

Cross Section -99.41 To 7454. %

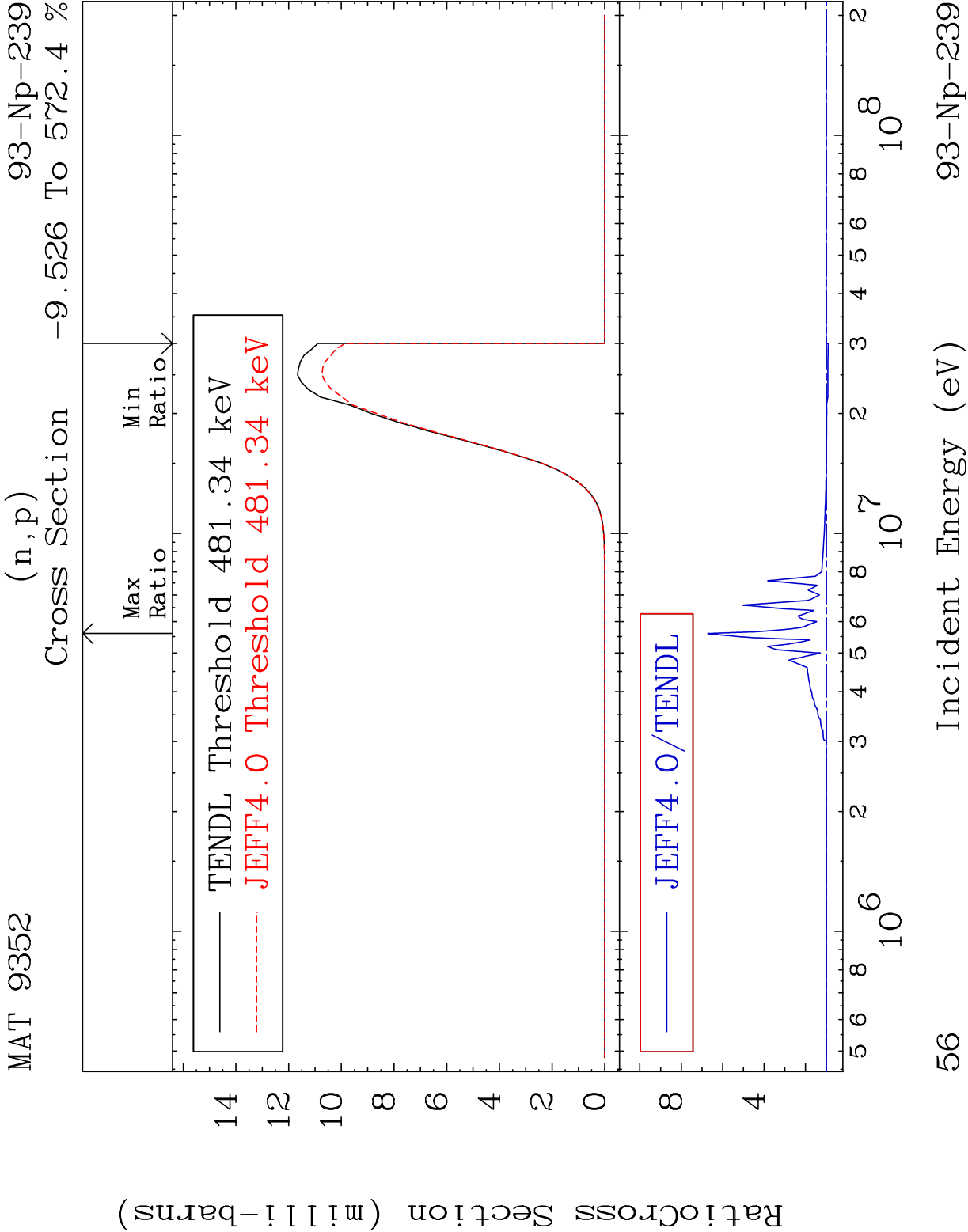


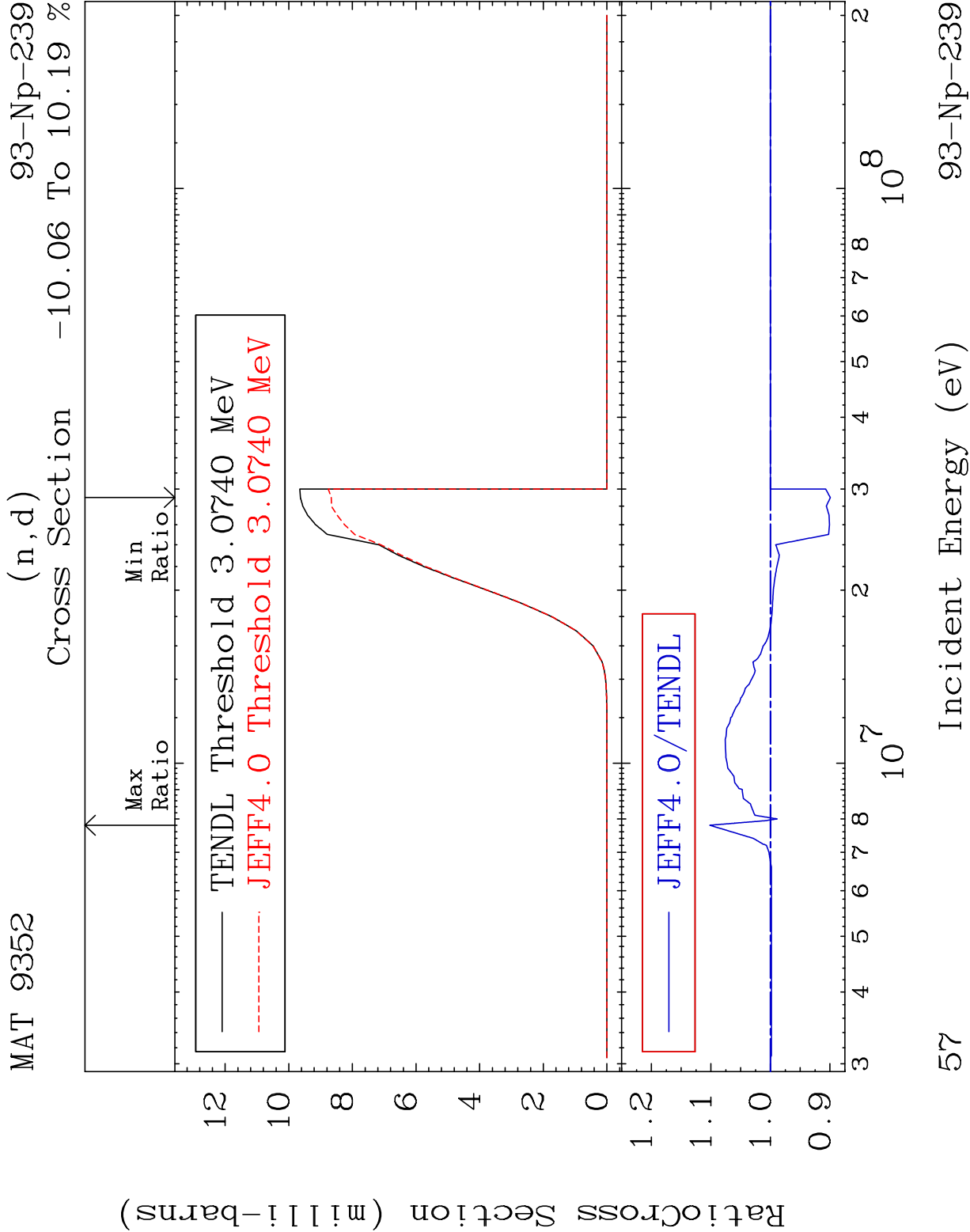
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

55

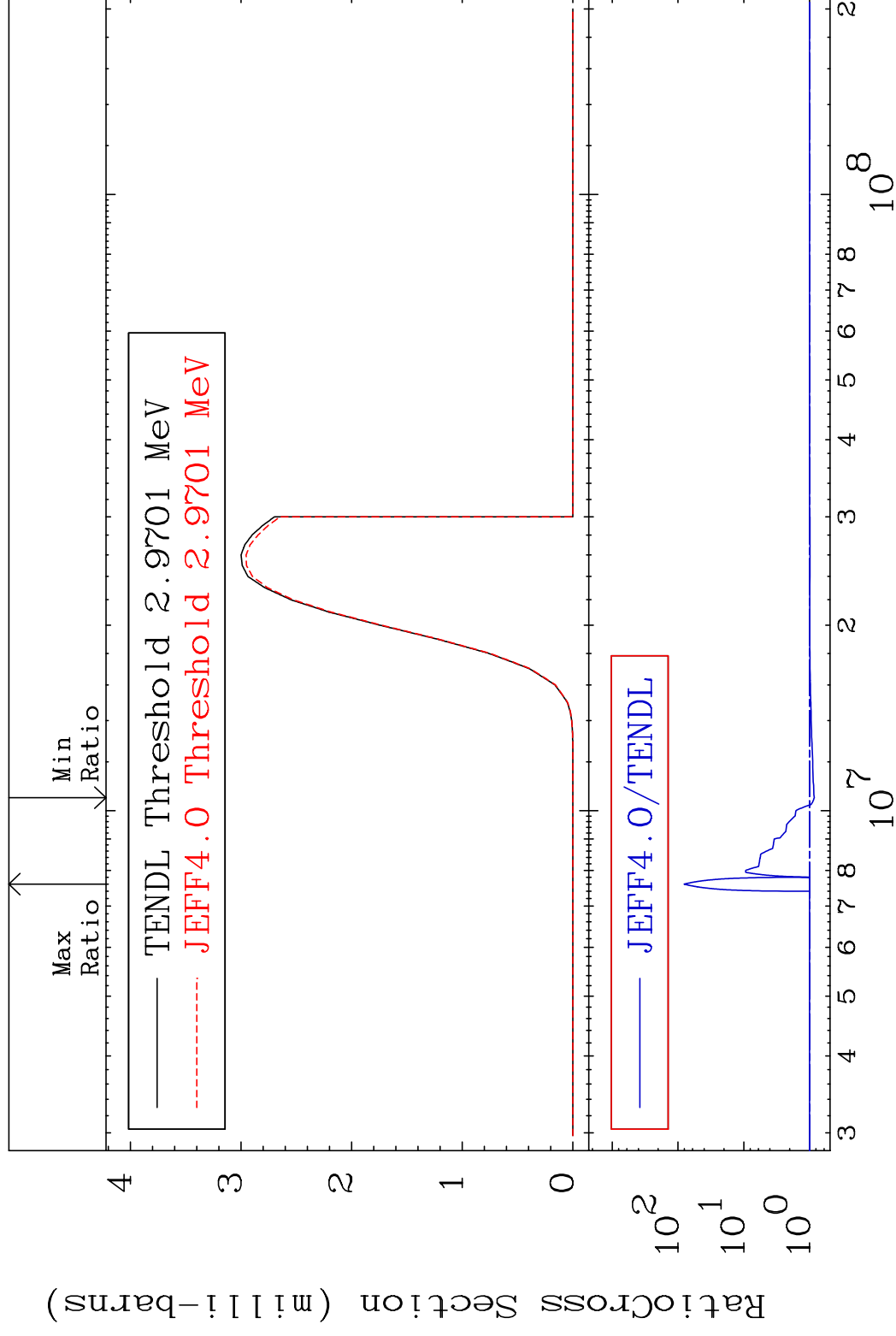
Incident Energy (eV)

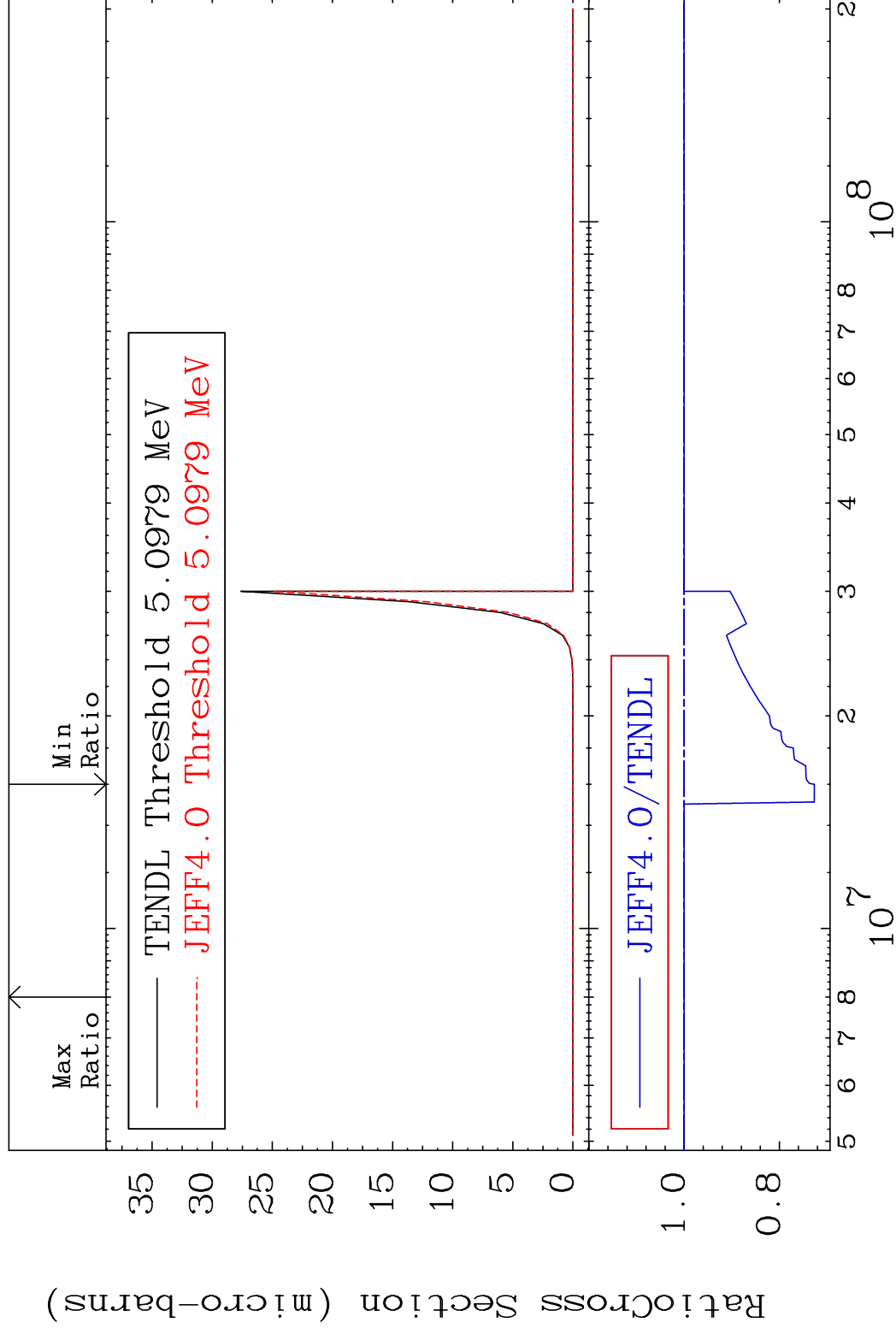
93-Np-239

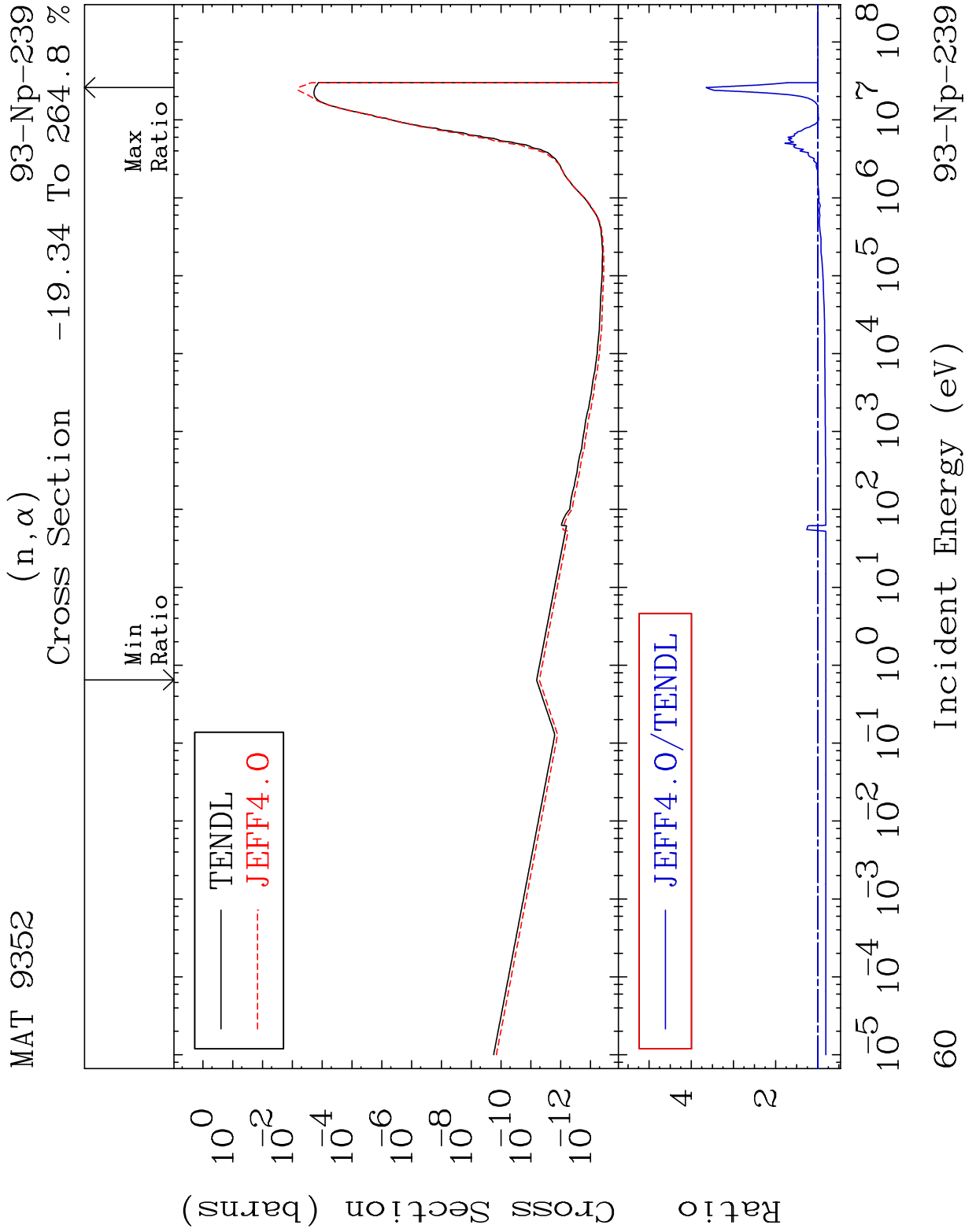


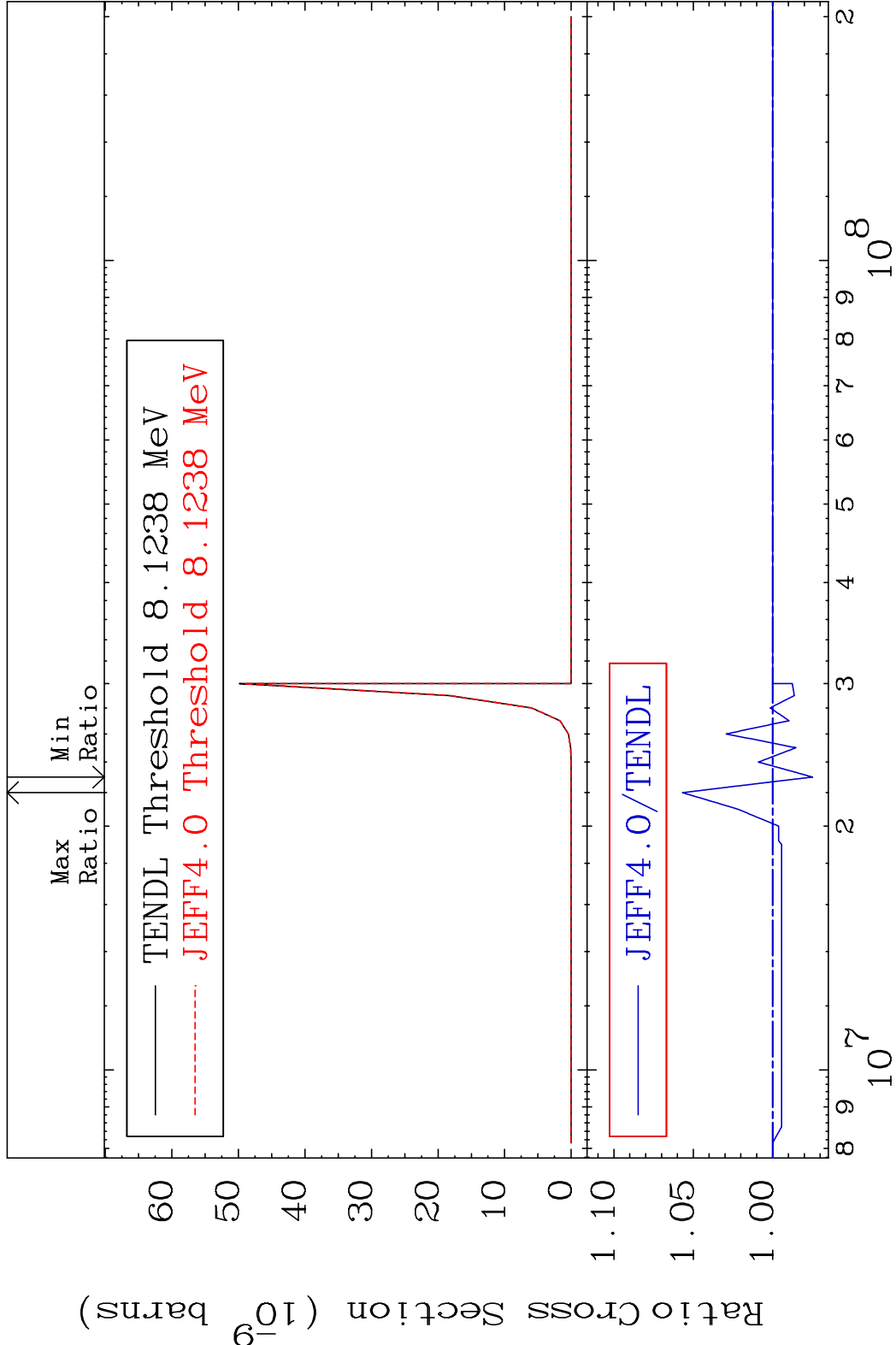


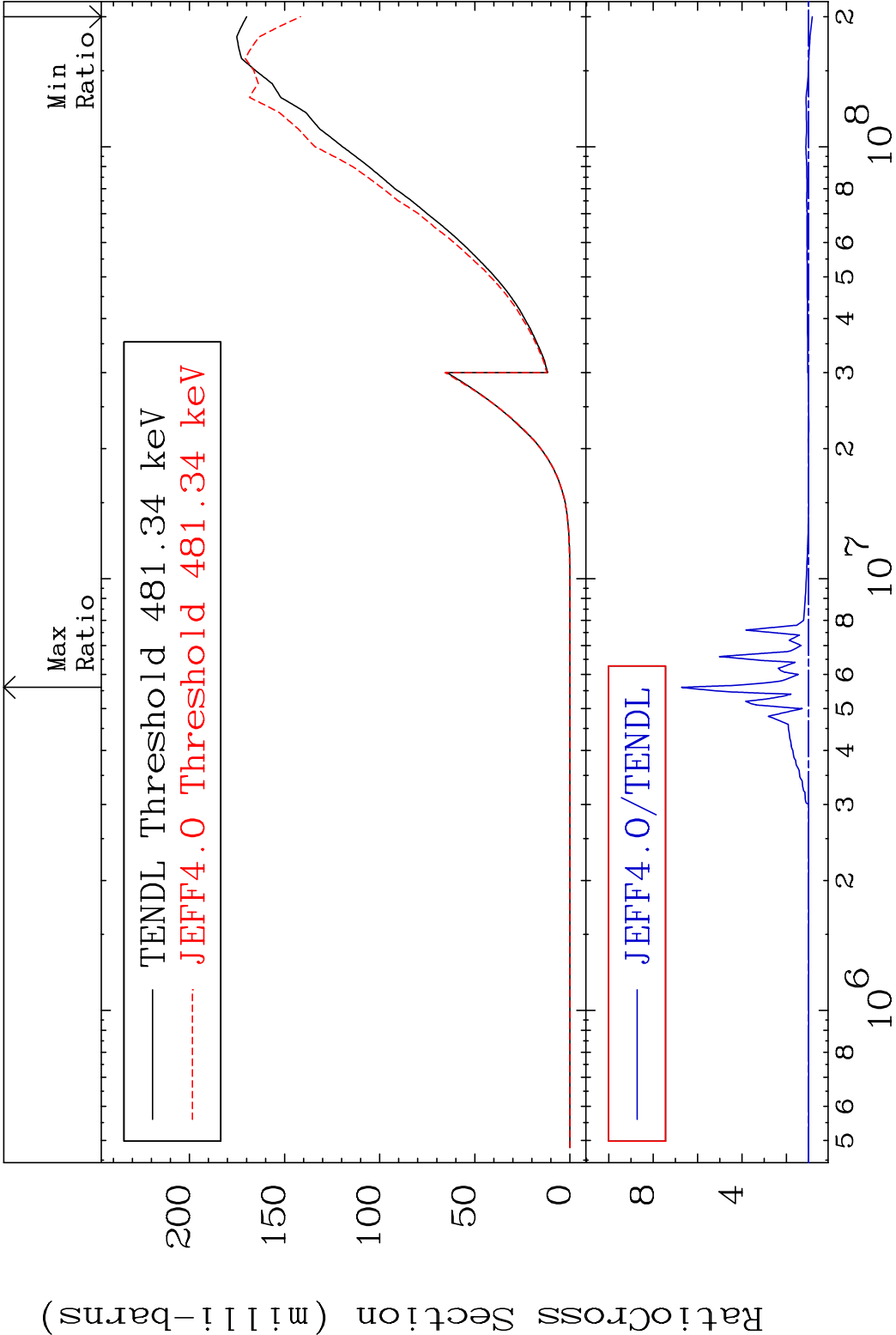
Cross Section -15.33 To 7982. %



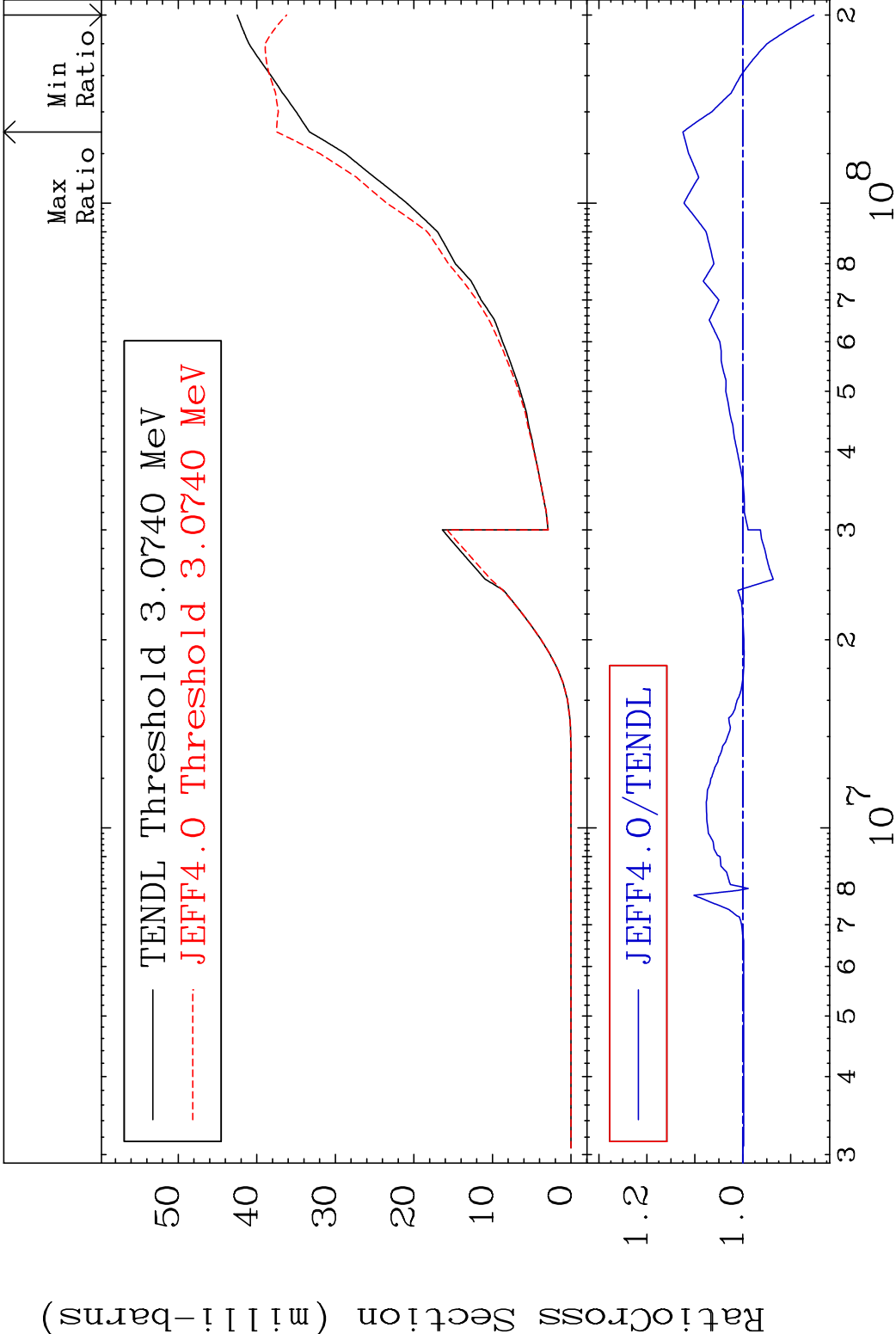


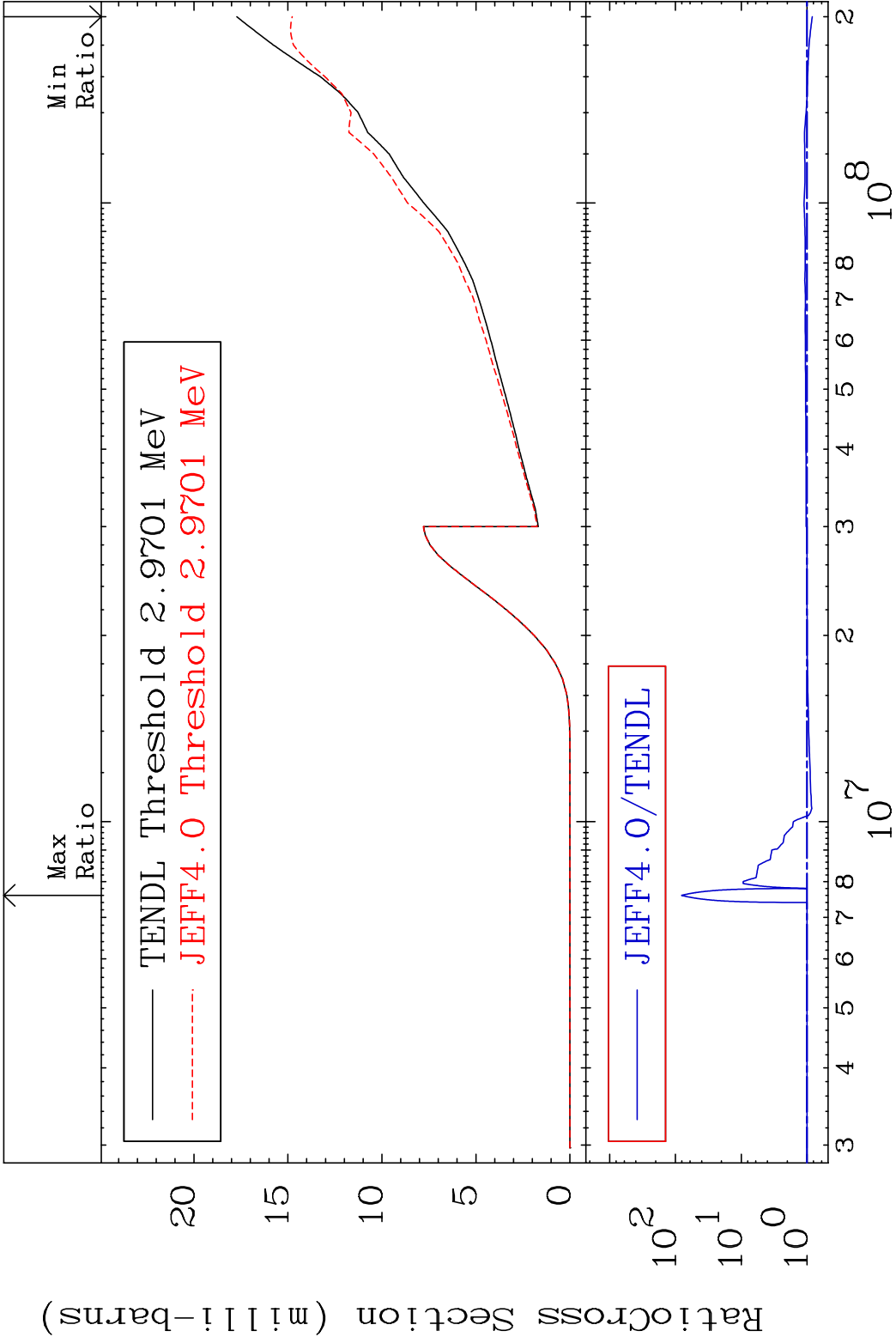


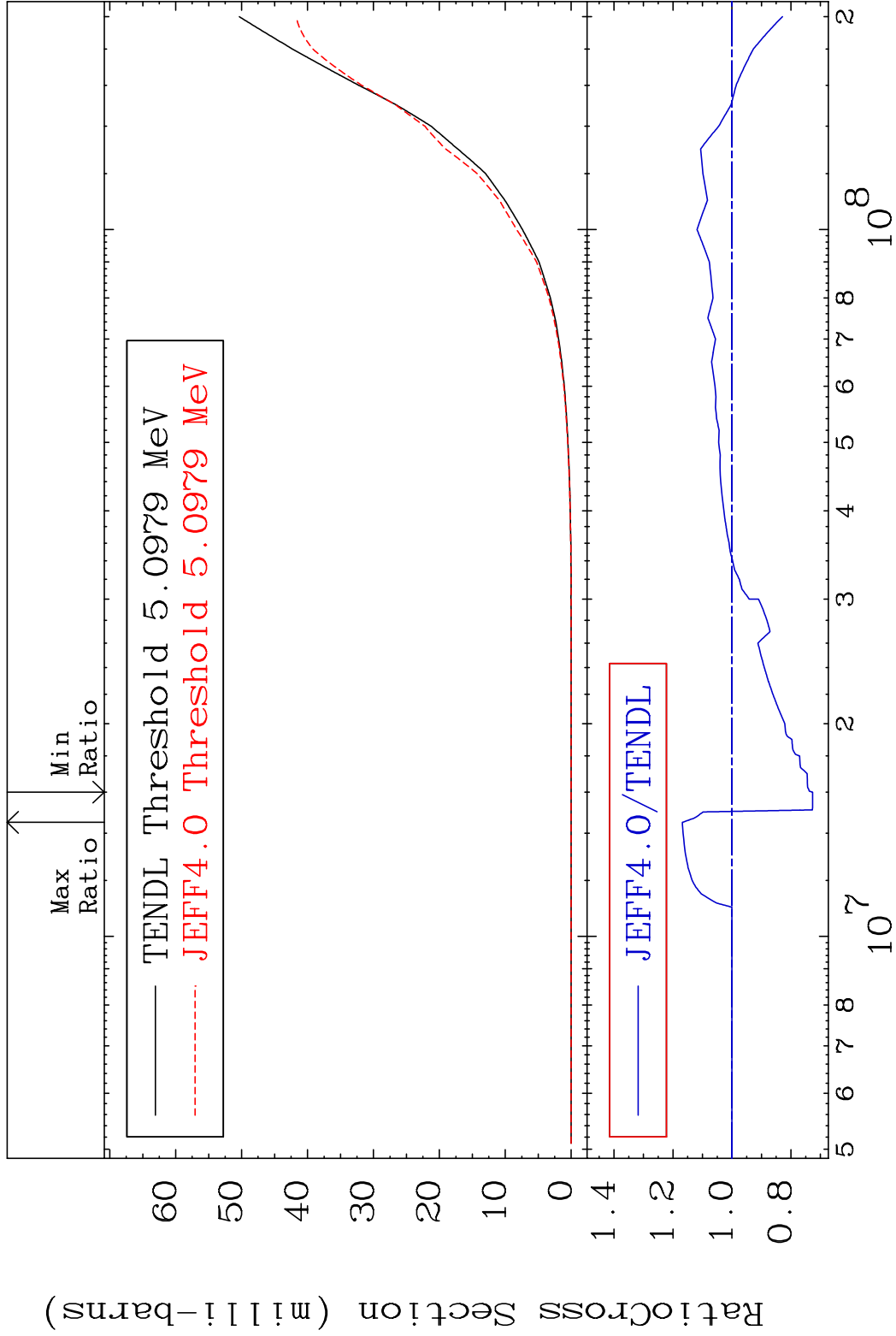


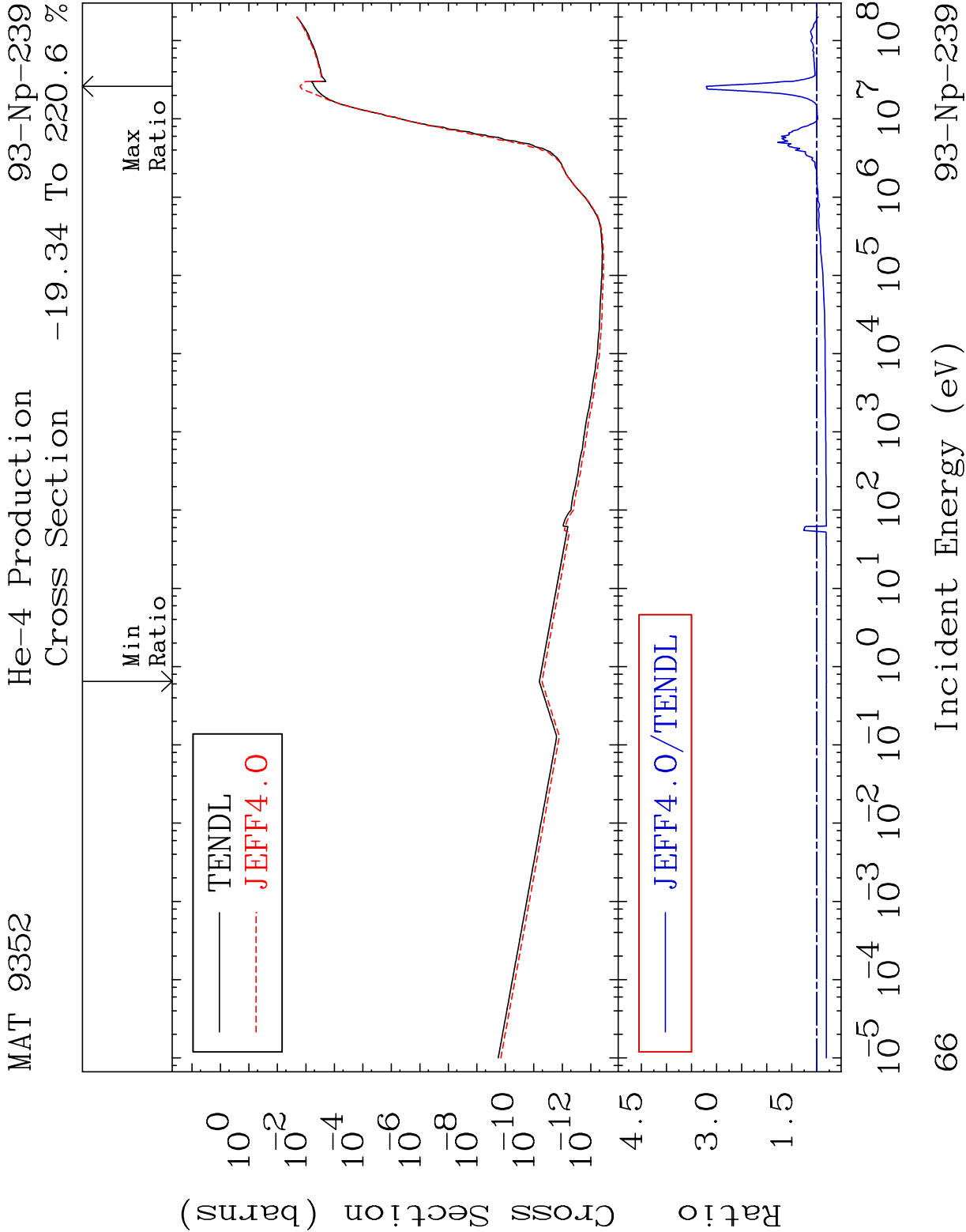


Cross Section -14.80 To 12.50 %

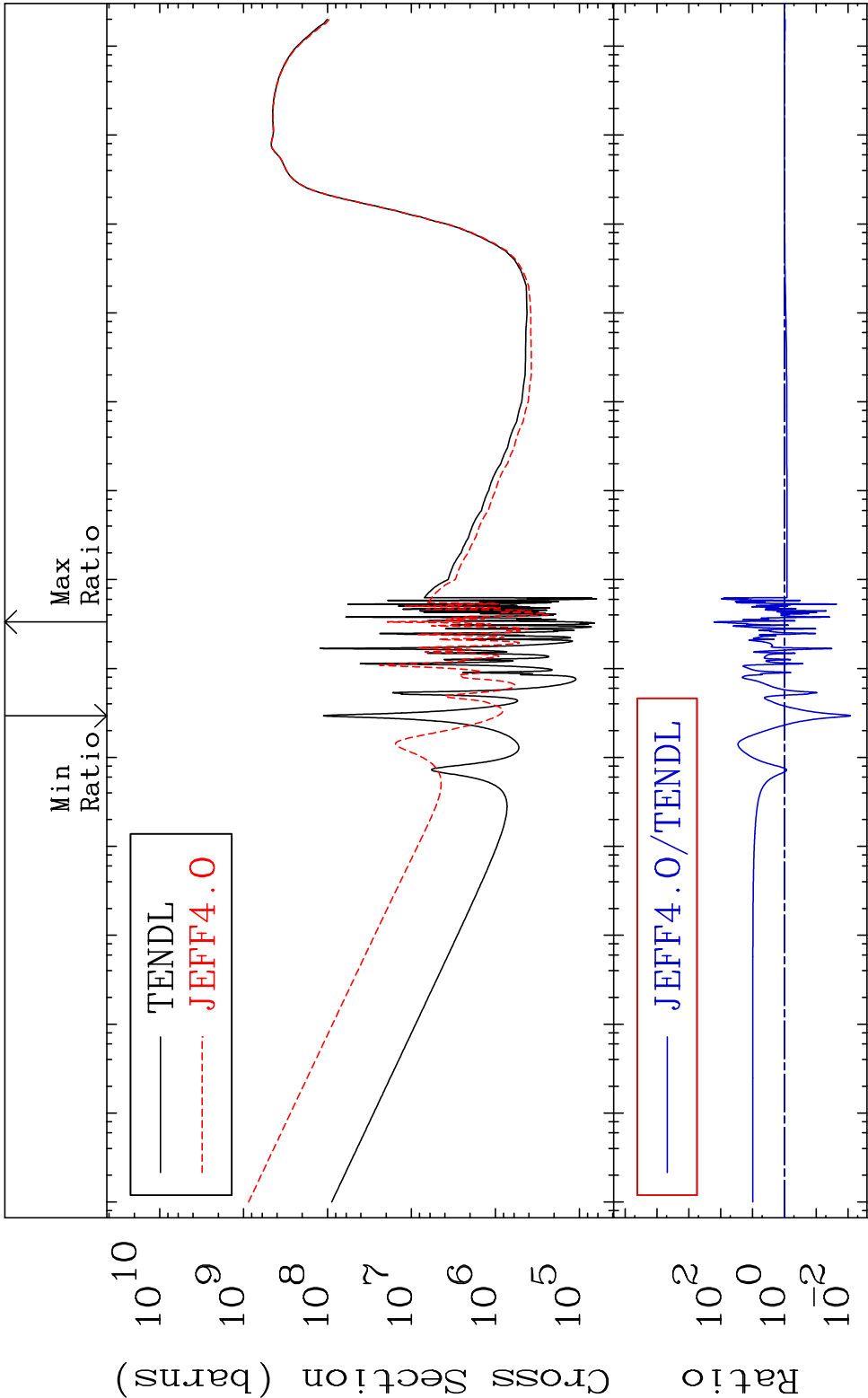


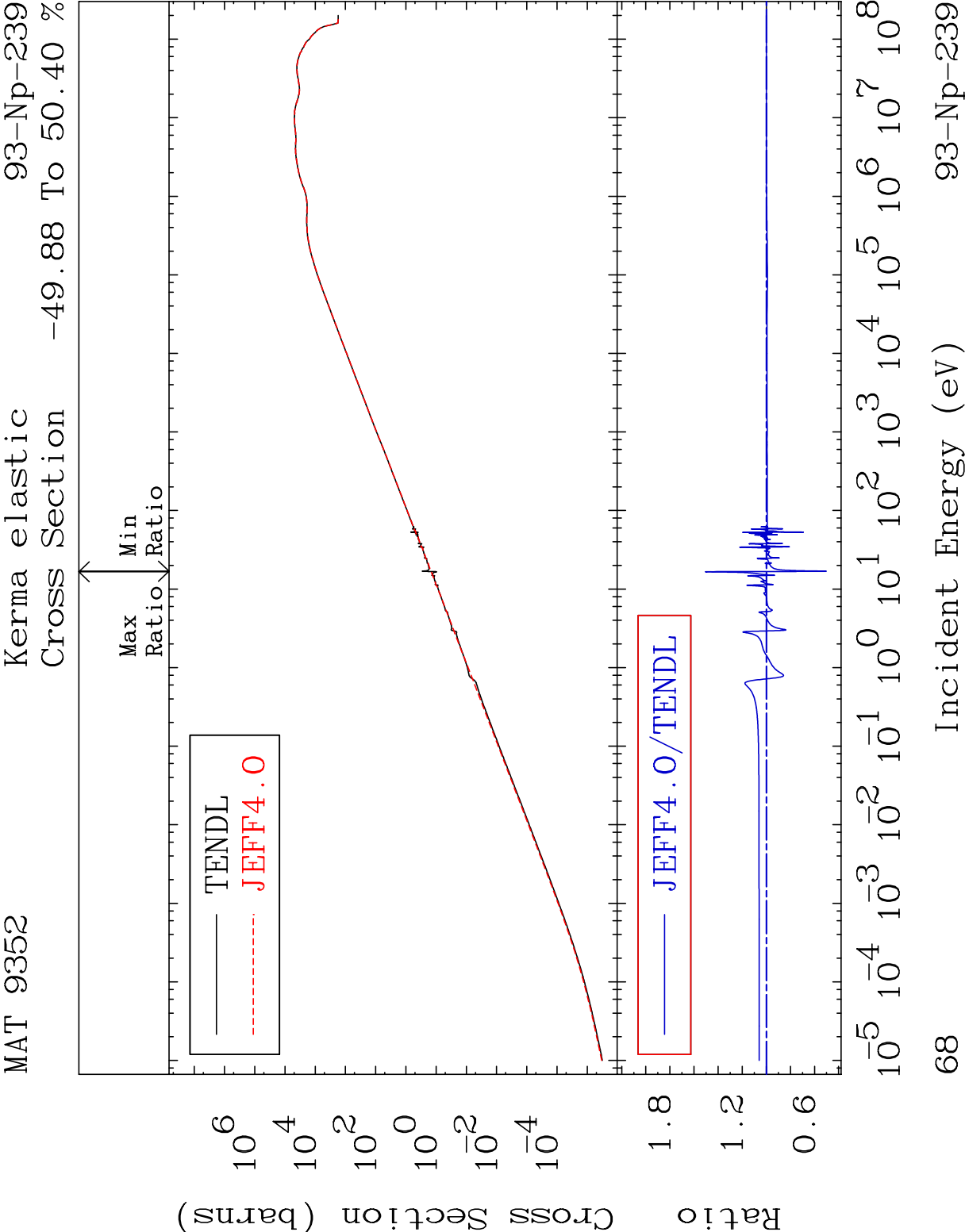


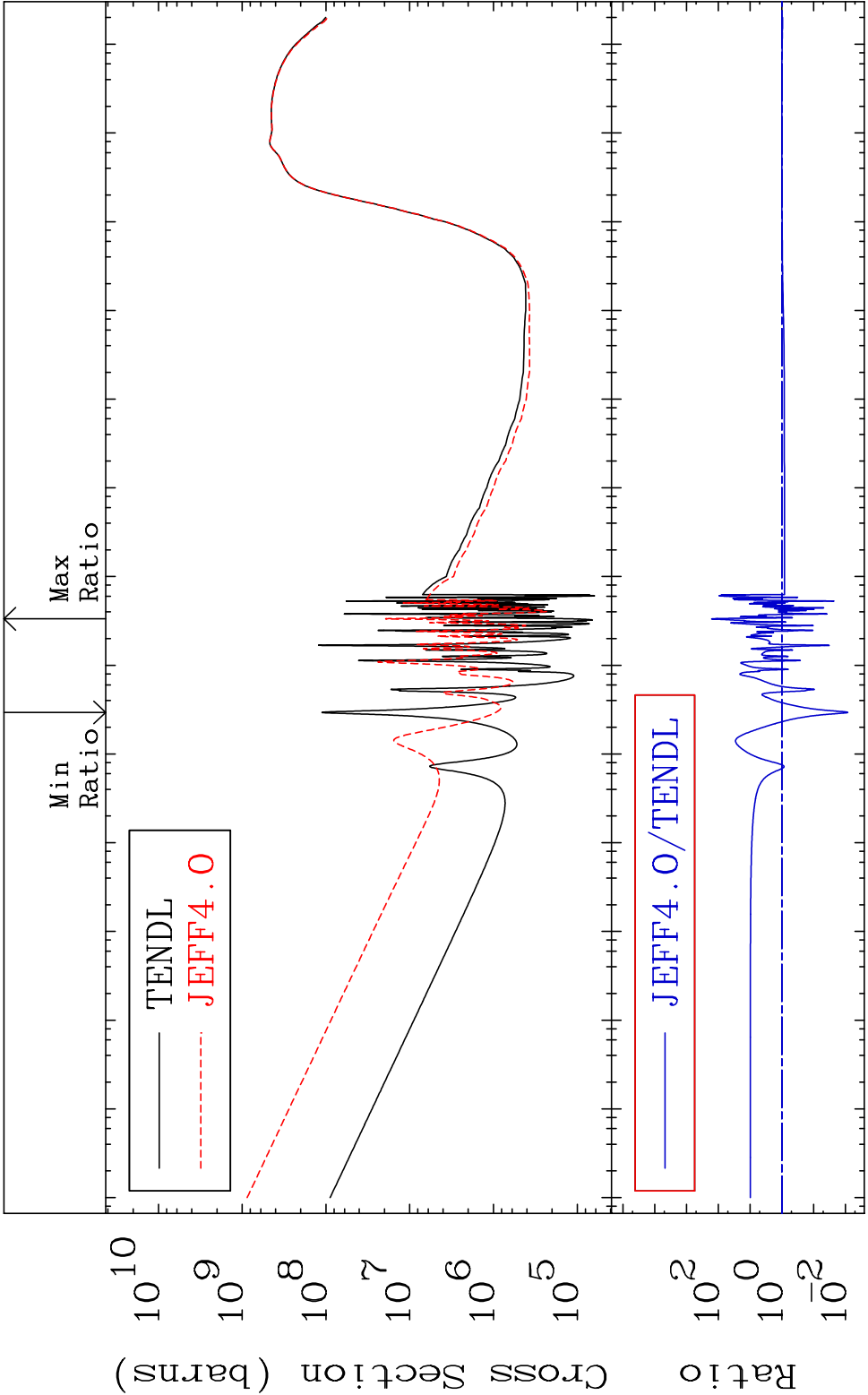


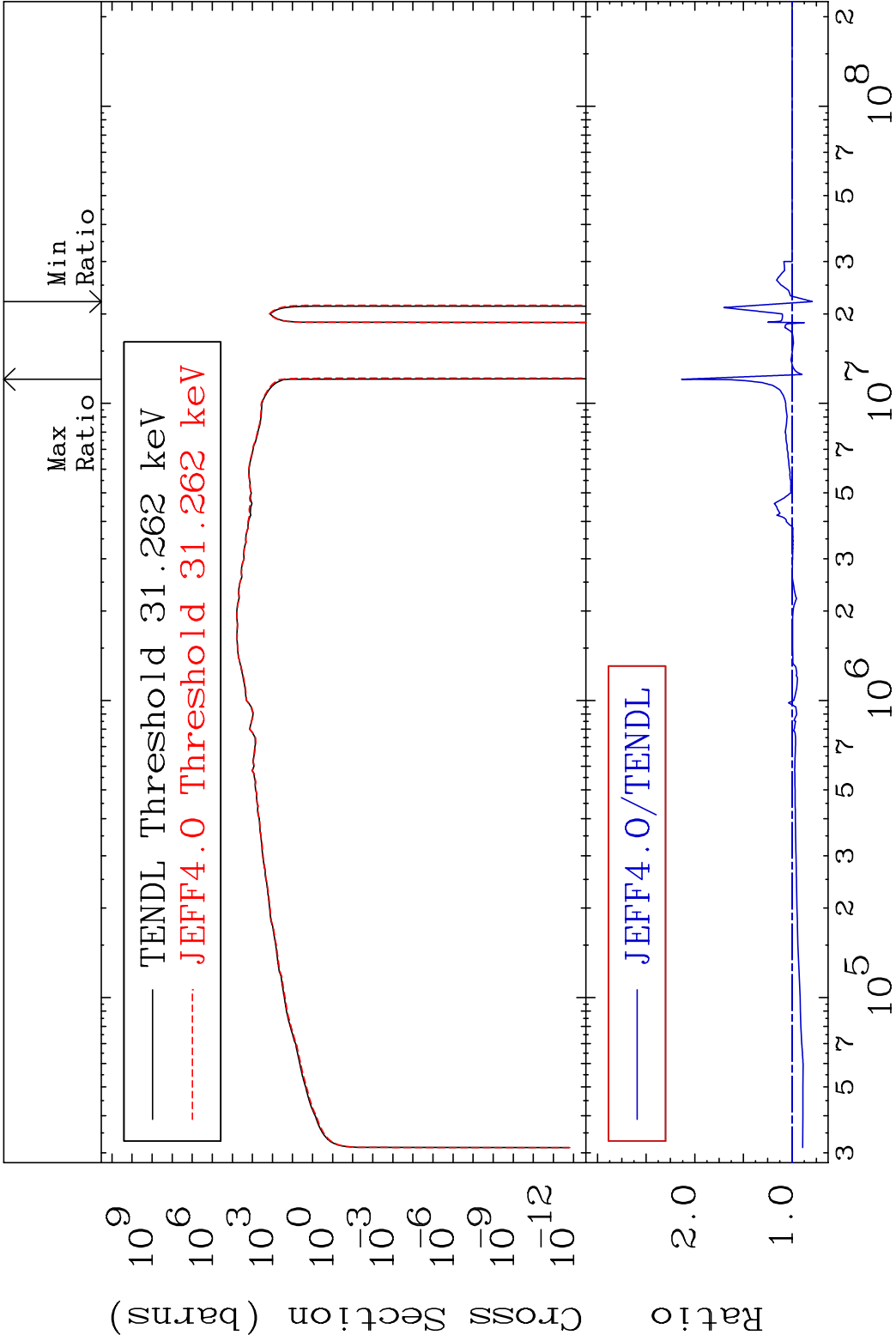


MAT 9352 Kerma total (eV-barns) 93-Np-239
Cross Section -99.16 To 9999. %



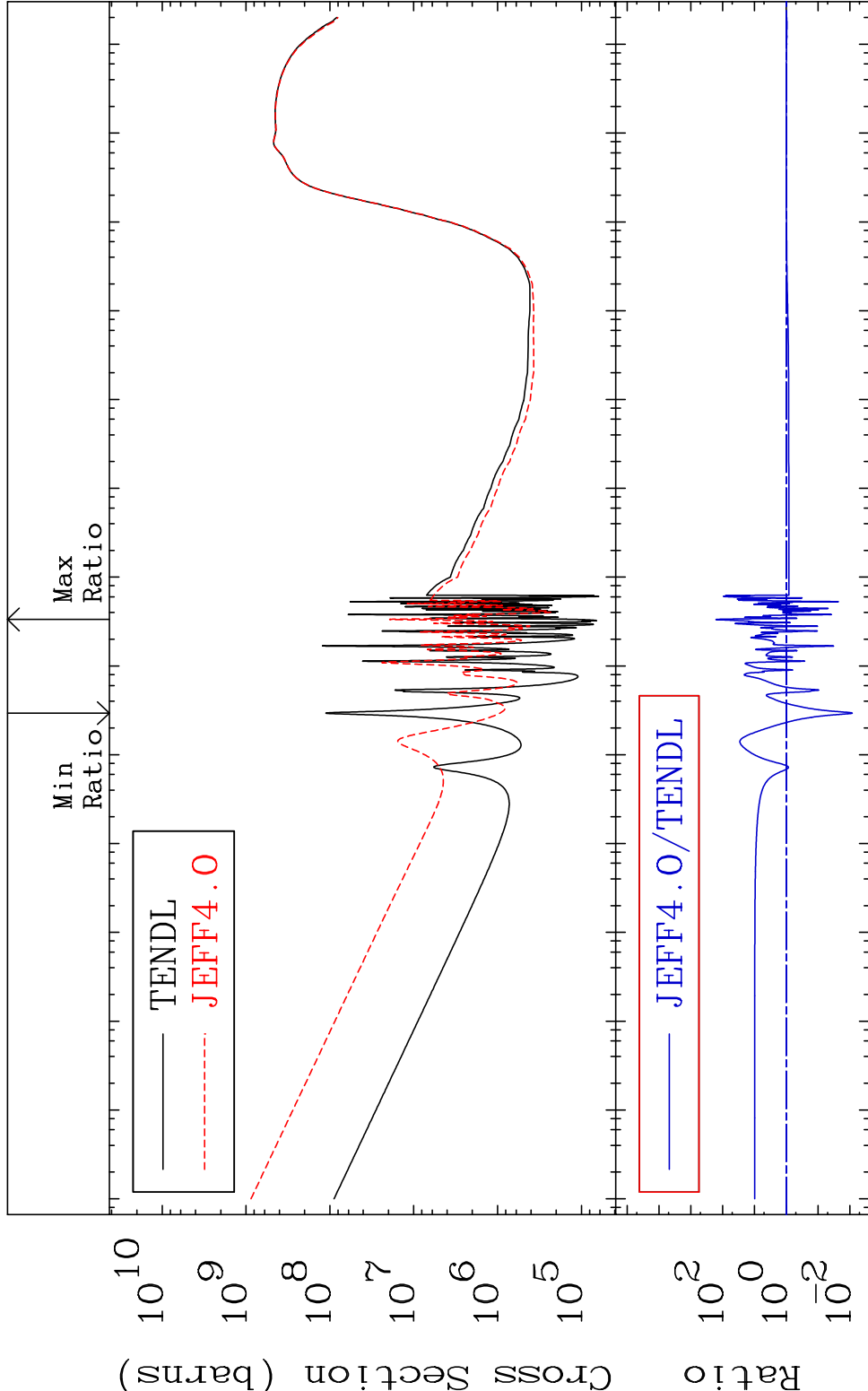






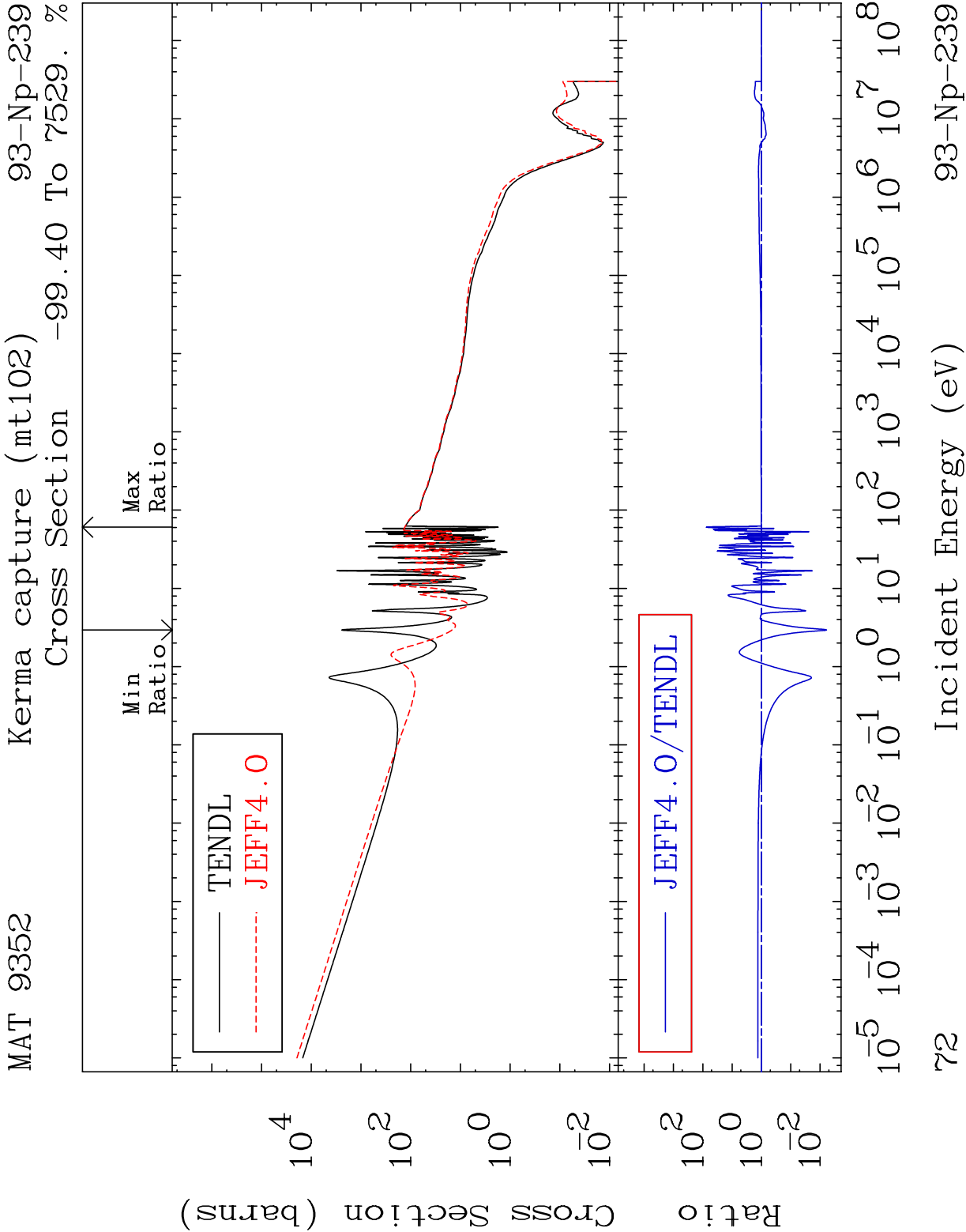
MAT 9352Kerma fission (mt18 or mt19-20-21-38)3-Np-239

Cross Section -99.16 To 9999. %

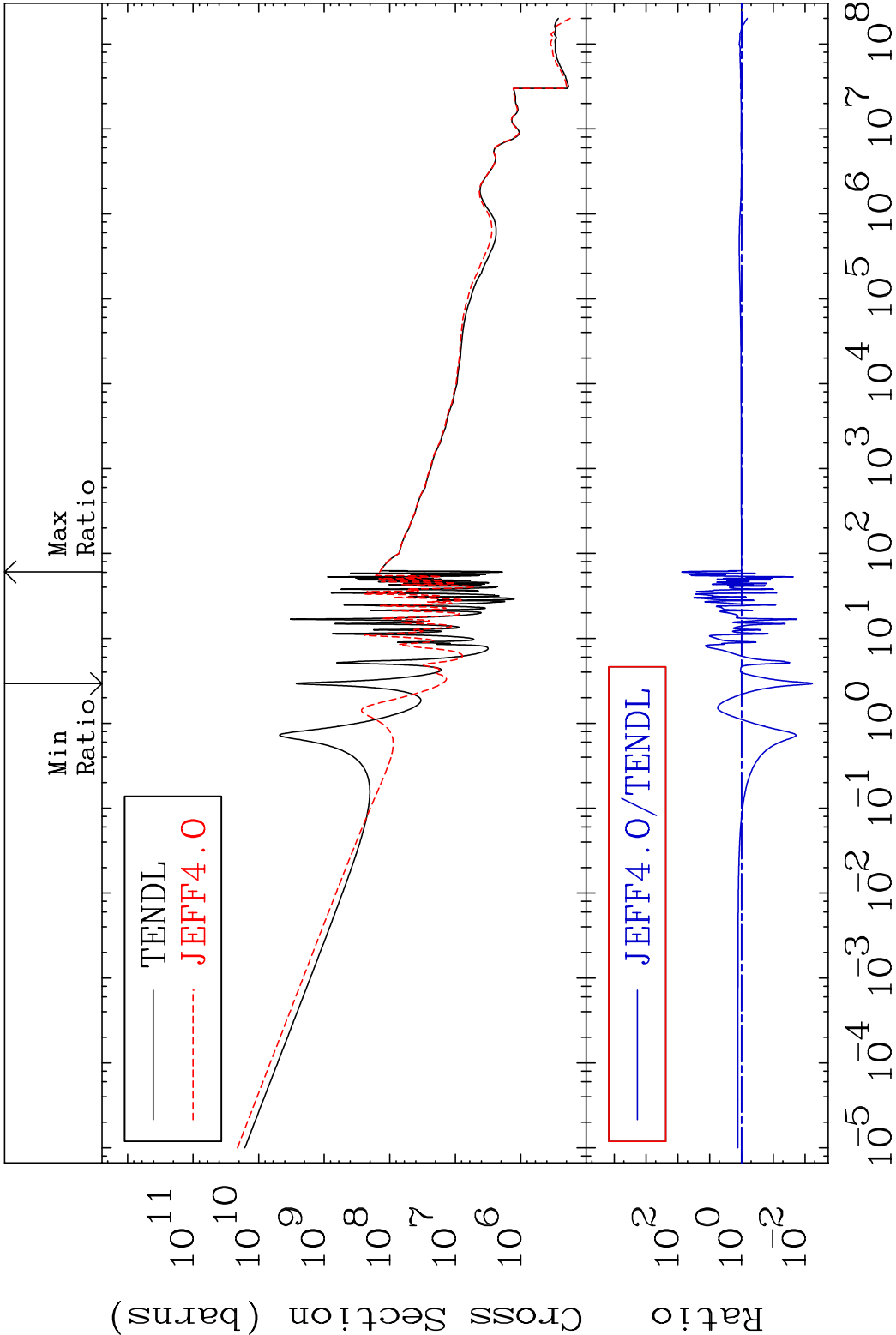


Incident Energy (eV)

71 93-Np-239



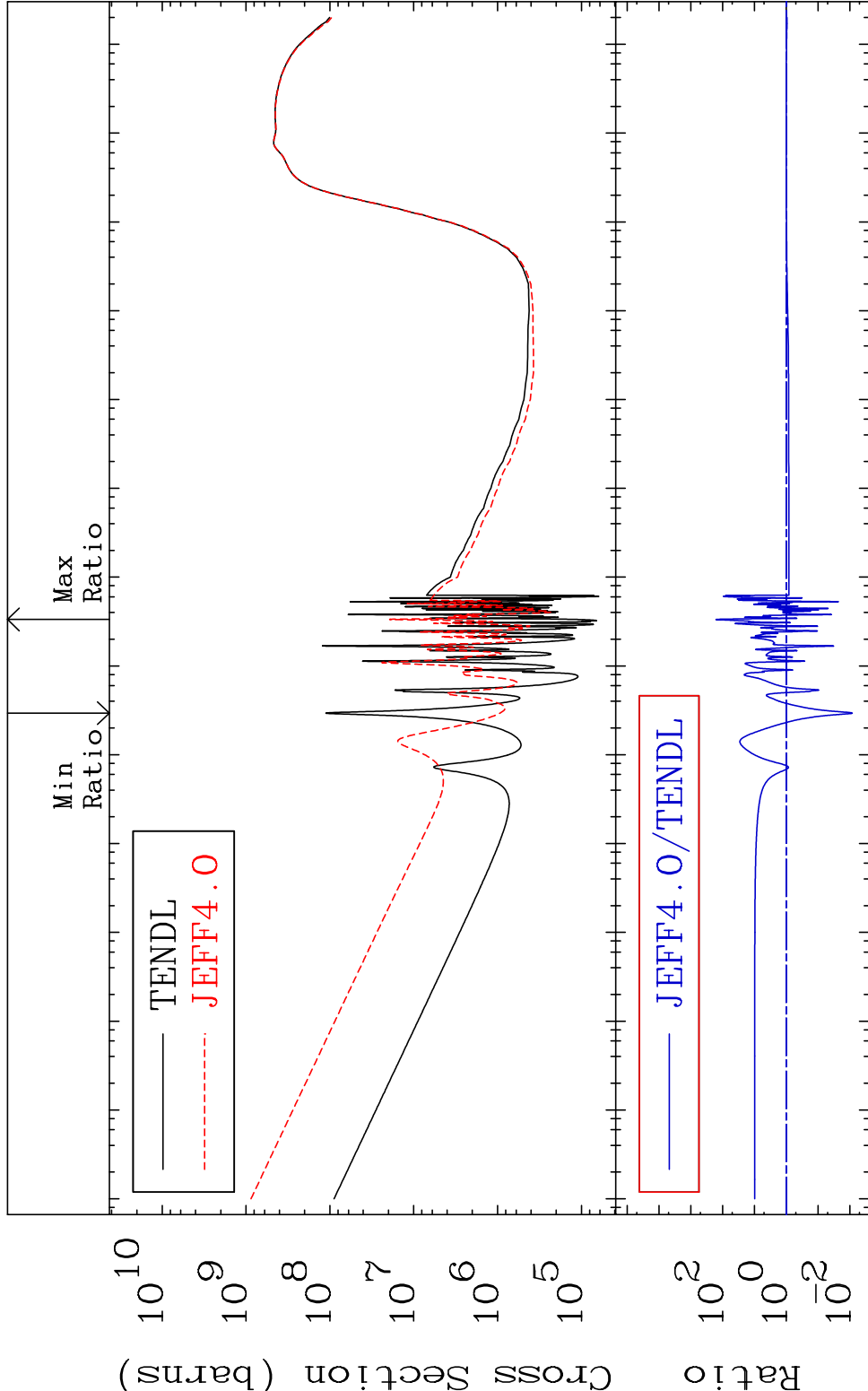
MAT 9352 Total photon (eV-barns) 93-Np-239
Cross Section -99.41 To 7449. %



73 Incident Energy (eV) 93-Np-239

MAT 9352 Total kinematic kerma (high limit) 93-Np-239

Cross Section -99.16 To 9999. %



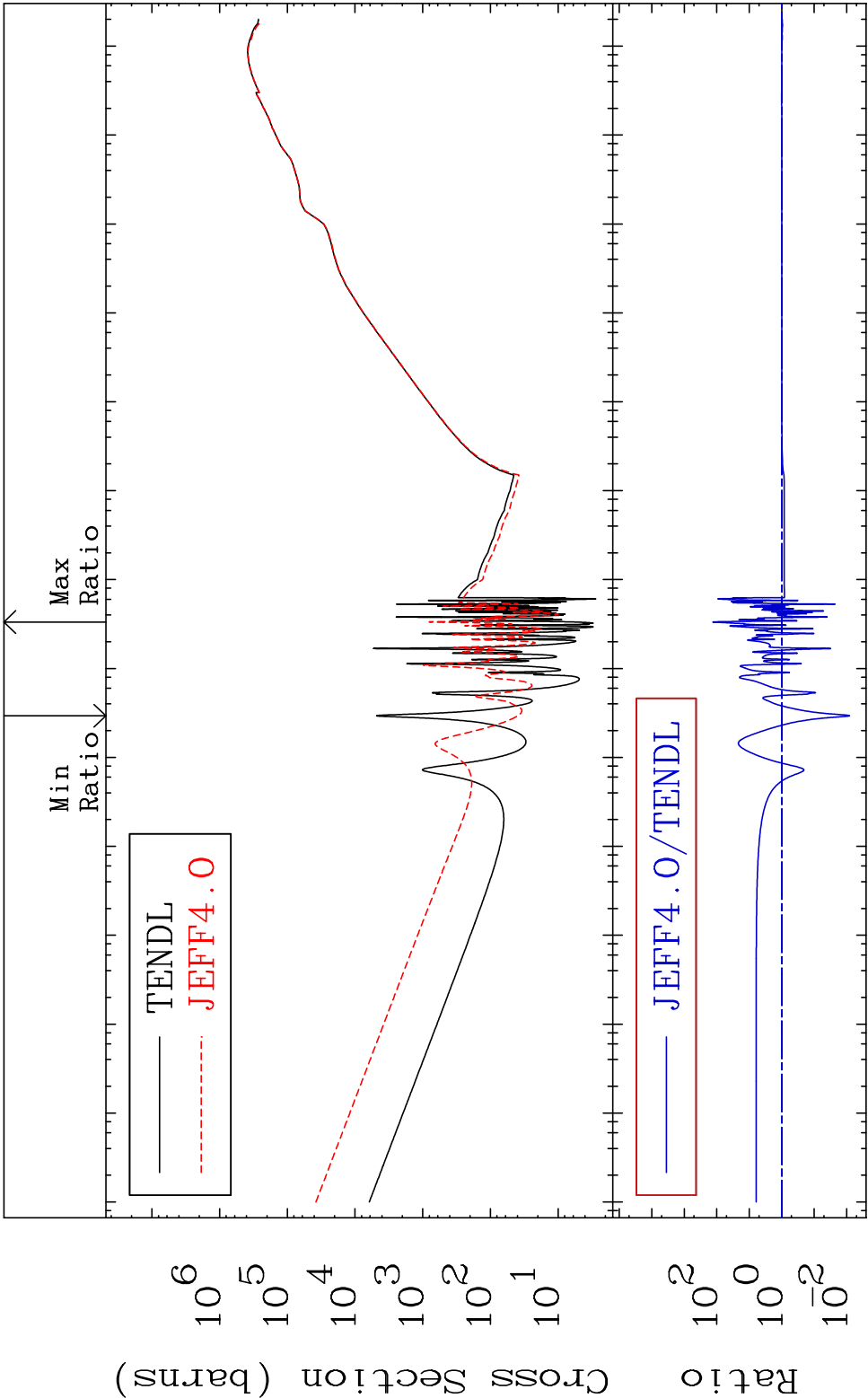
MAT 9352

Dpa total (eV-barns)

93-Np-239

Cross Section

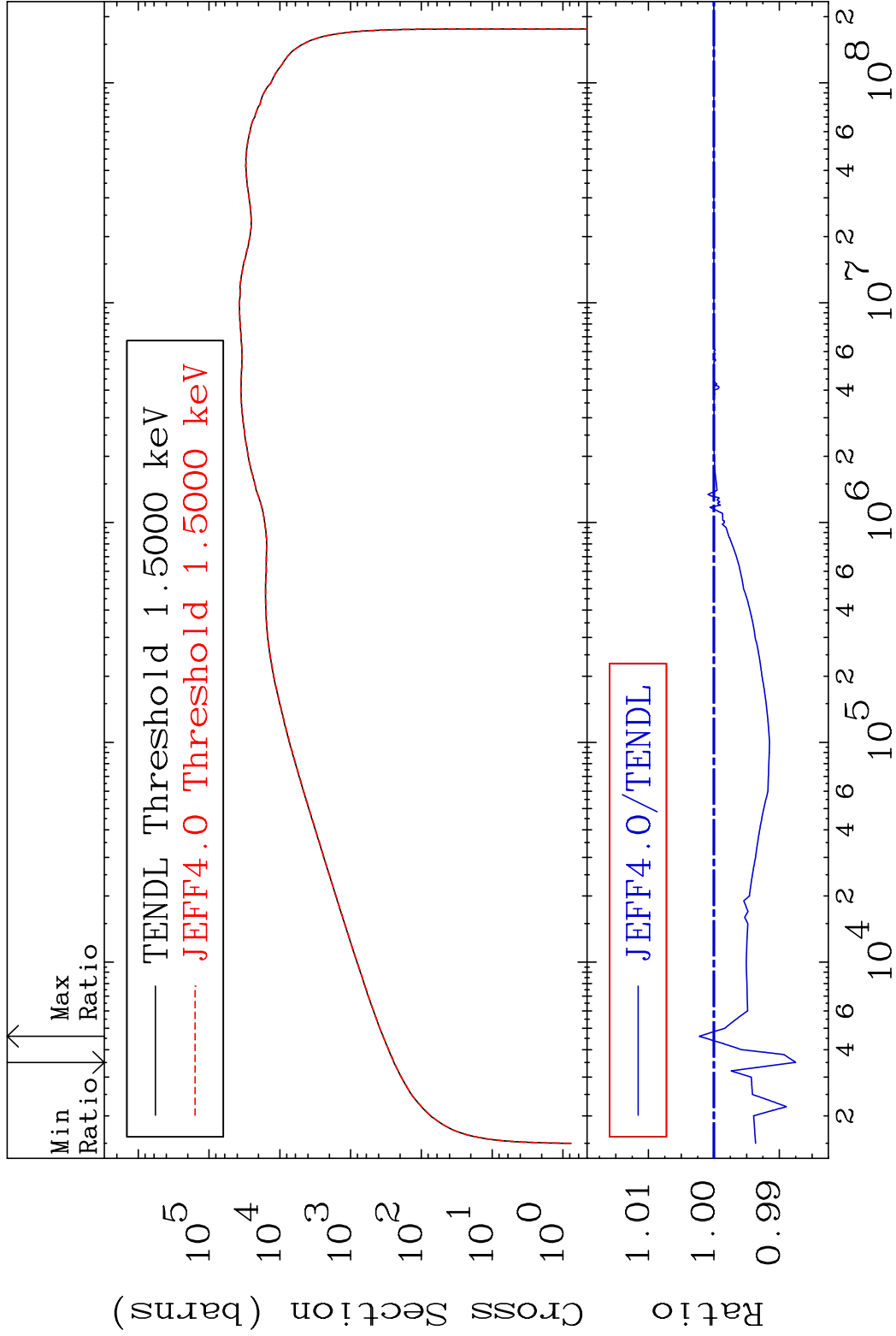
-99.18 To 9999. %

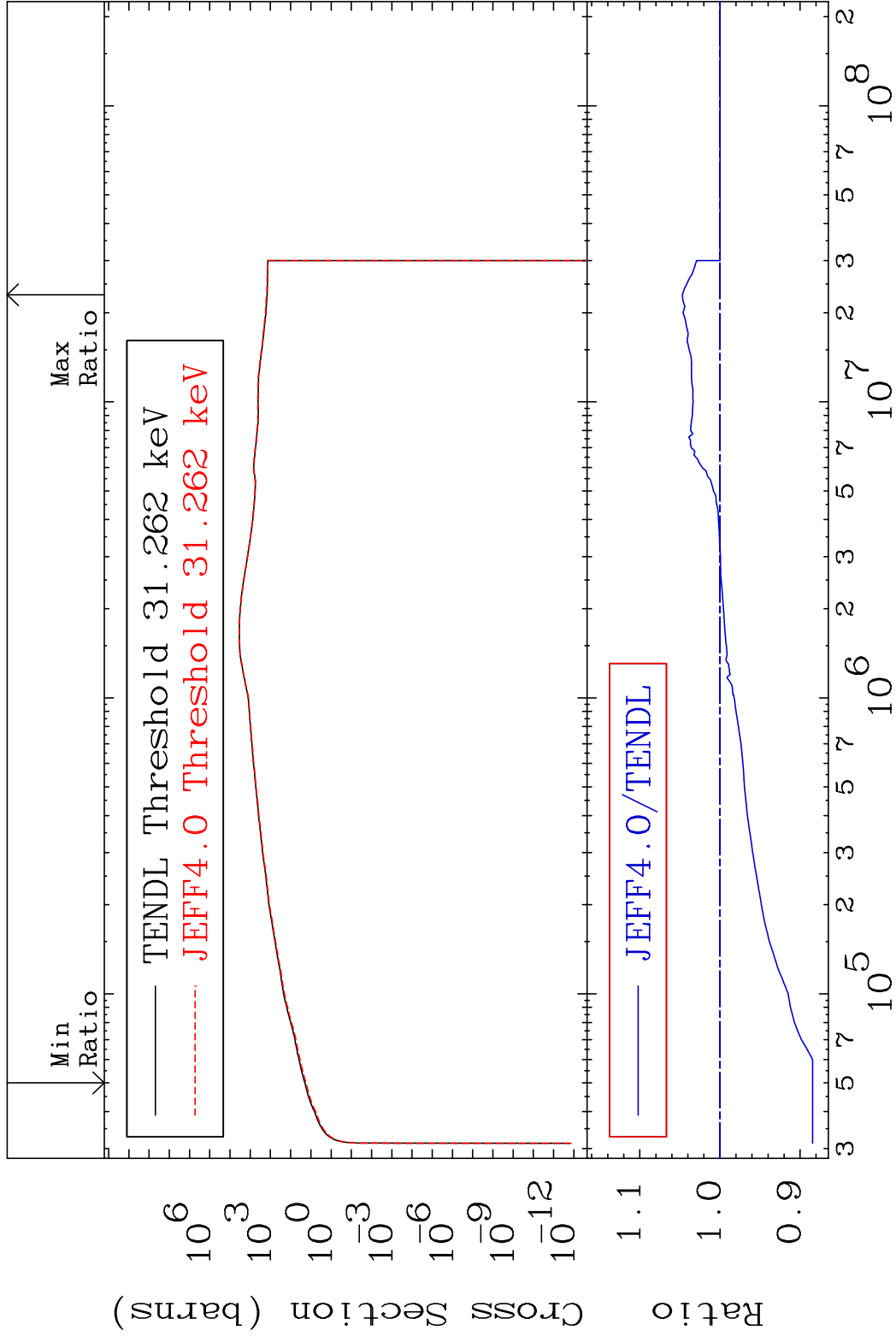


75

Incident Energy (eV)

93-Np-239





MAT 9352 Dpa disappearance (mt102 -120) 93-Np-239
Cross Section -99.42 To 7338. %

