

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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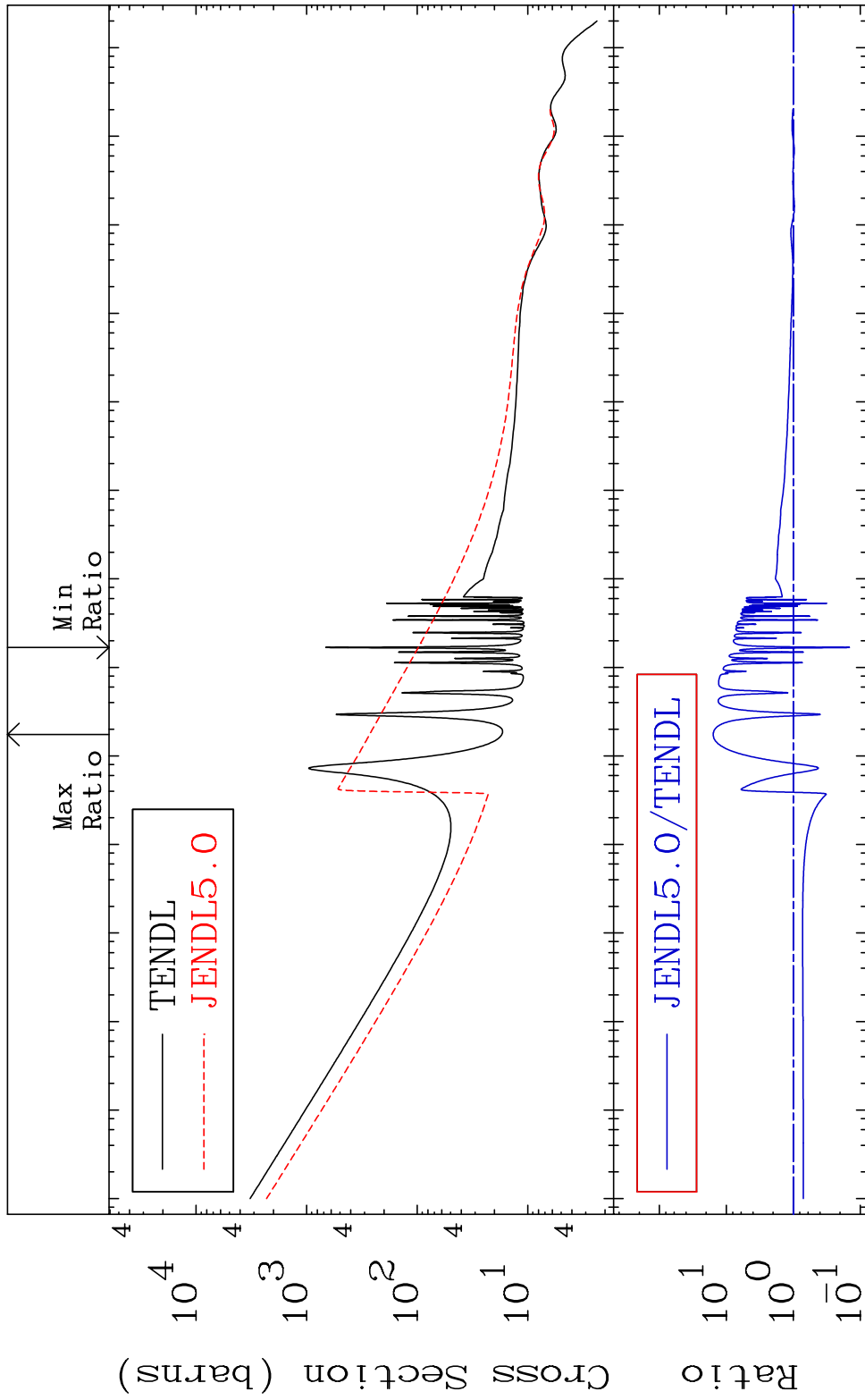
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9352

93-Np-239

Total Cross Section -85.41 To 1472. %



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

1

Incident Energy (eV)

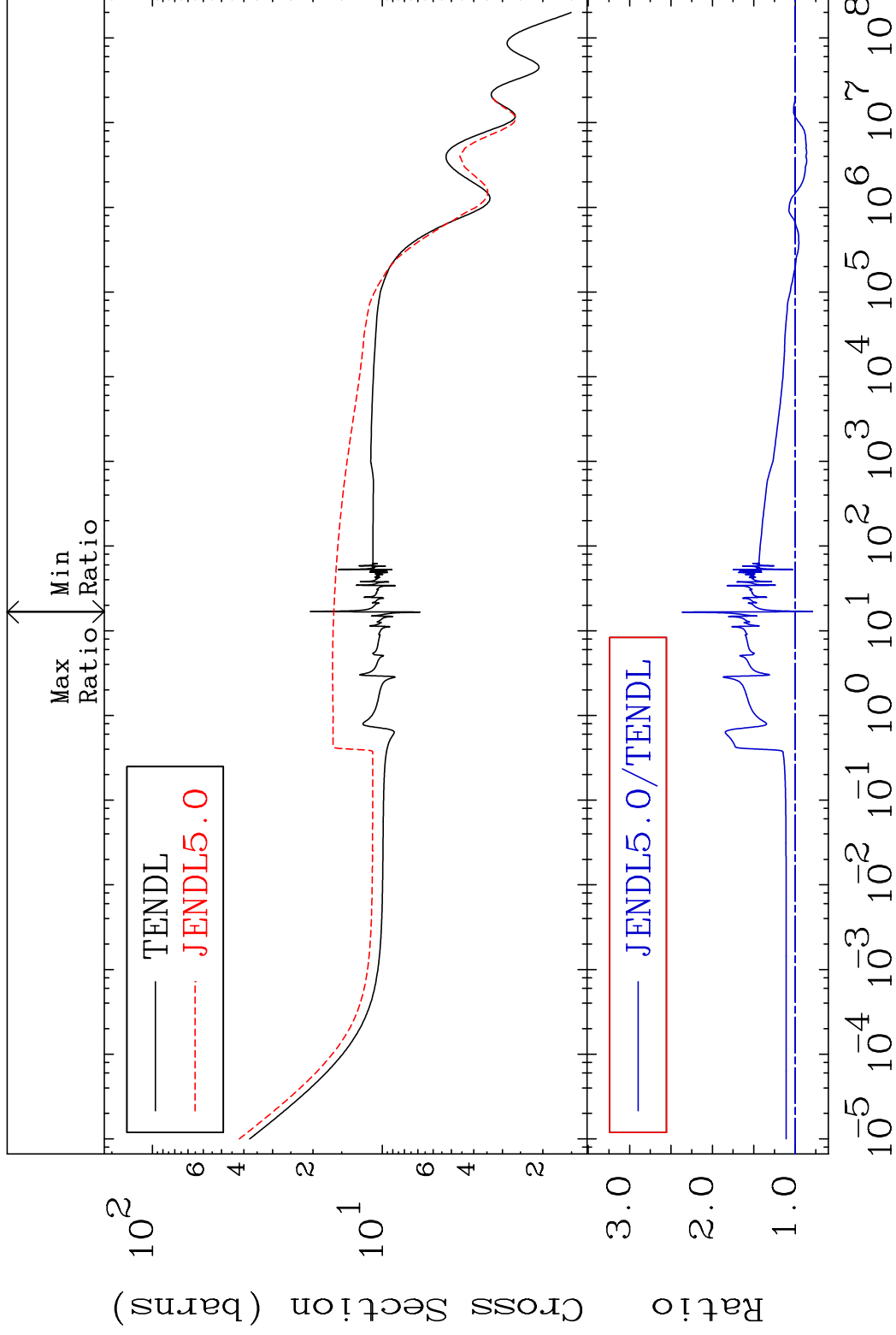
93-Np-239

MAT 9352

Elastic

93-Np-239

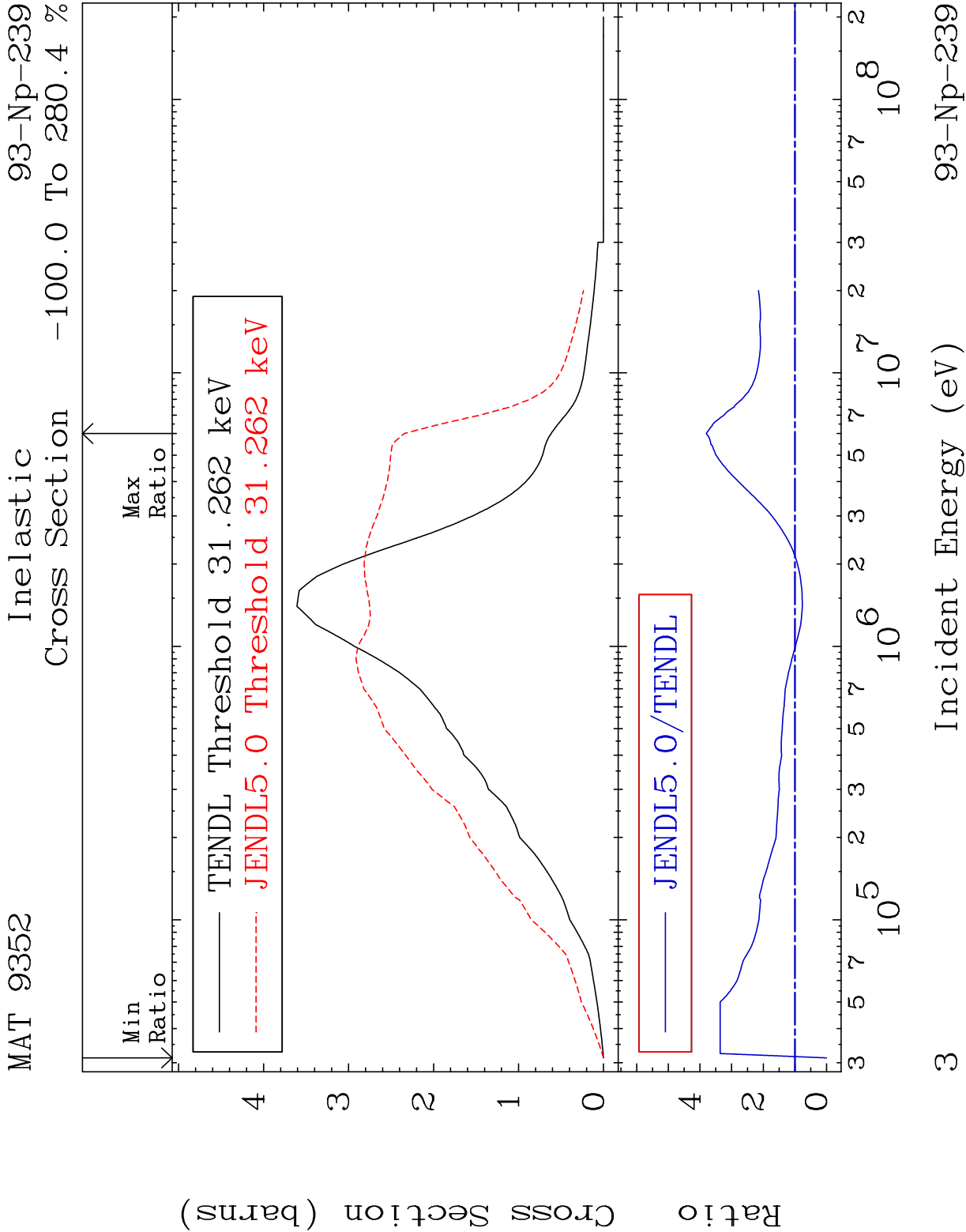
Cross Section -21.00 To 136.3 %

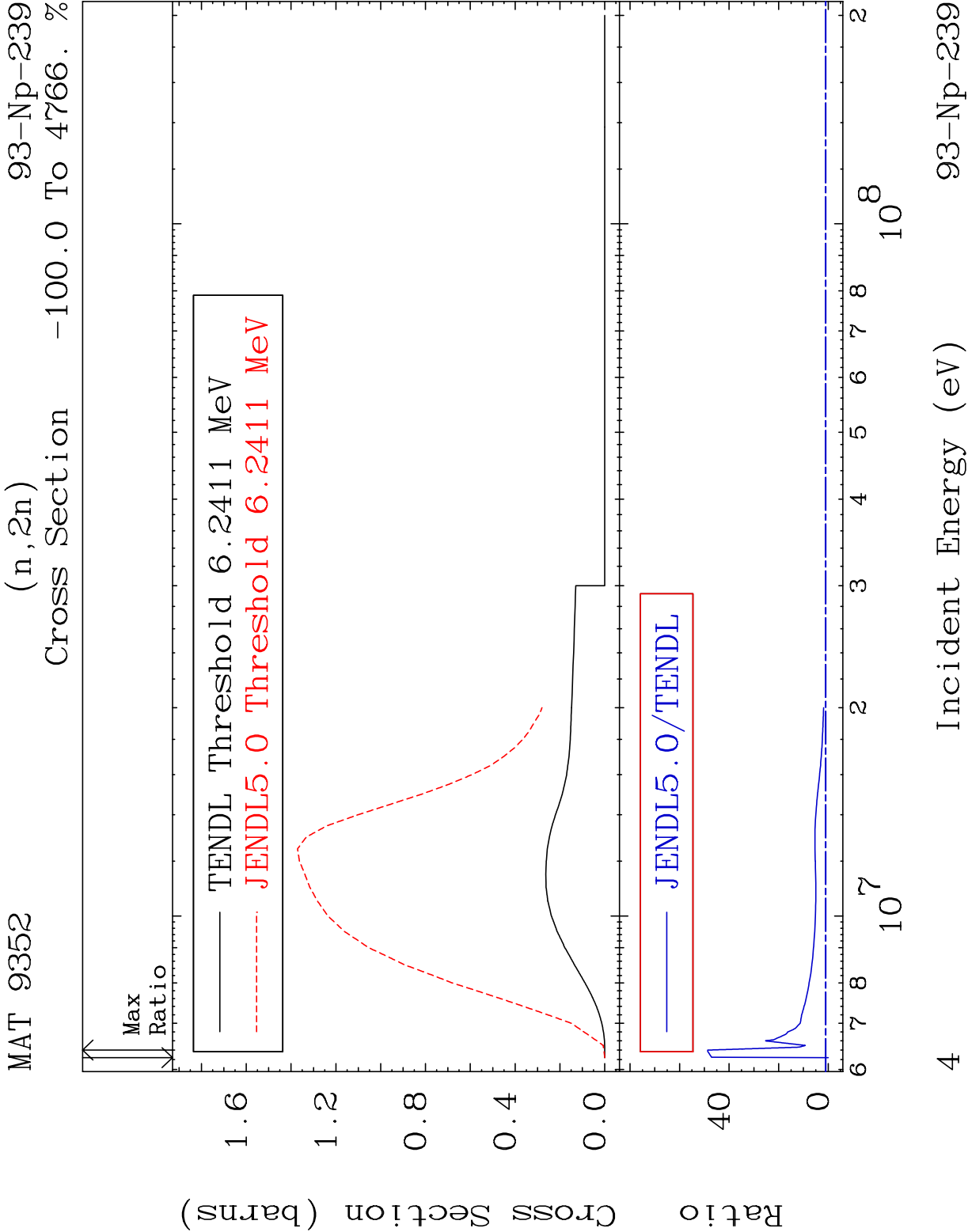


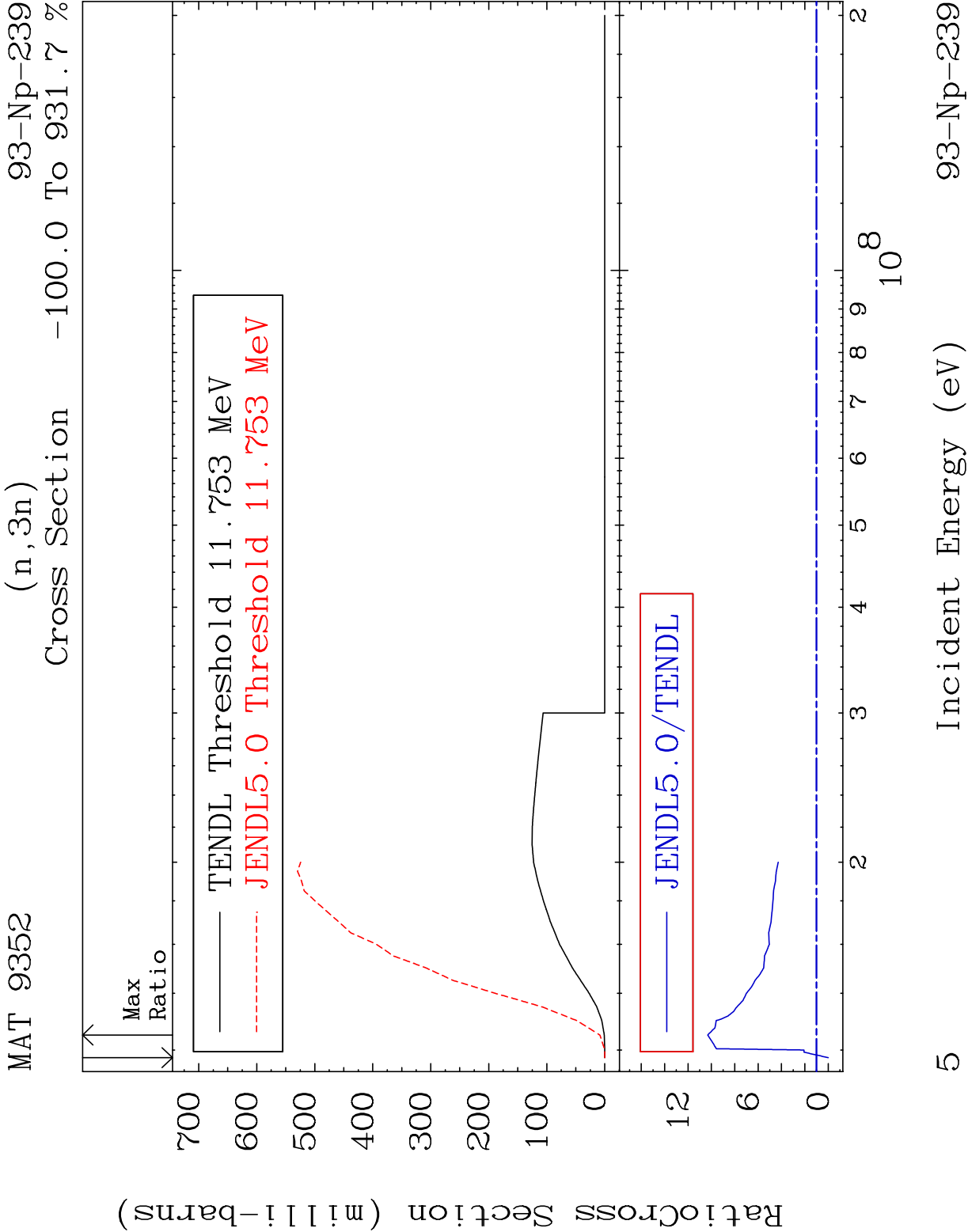
2

Incident Energy (eV)

93-Np-239





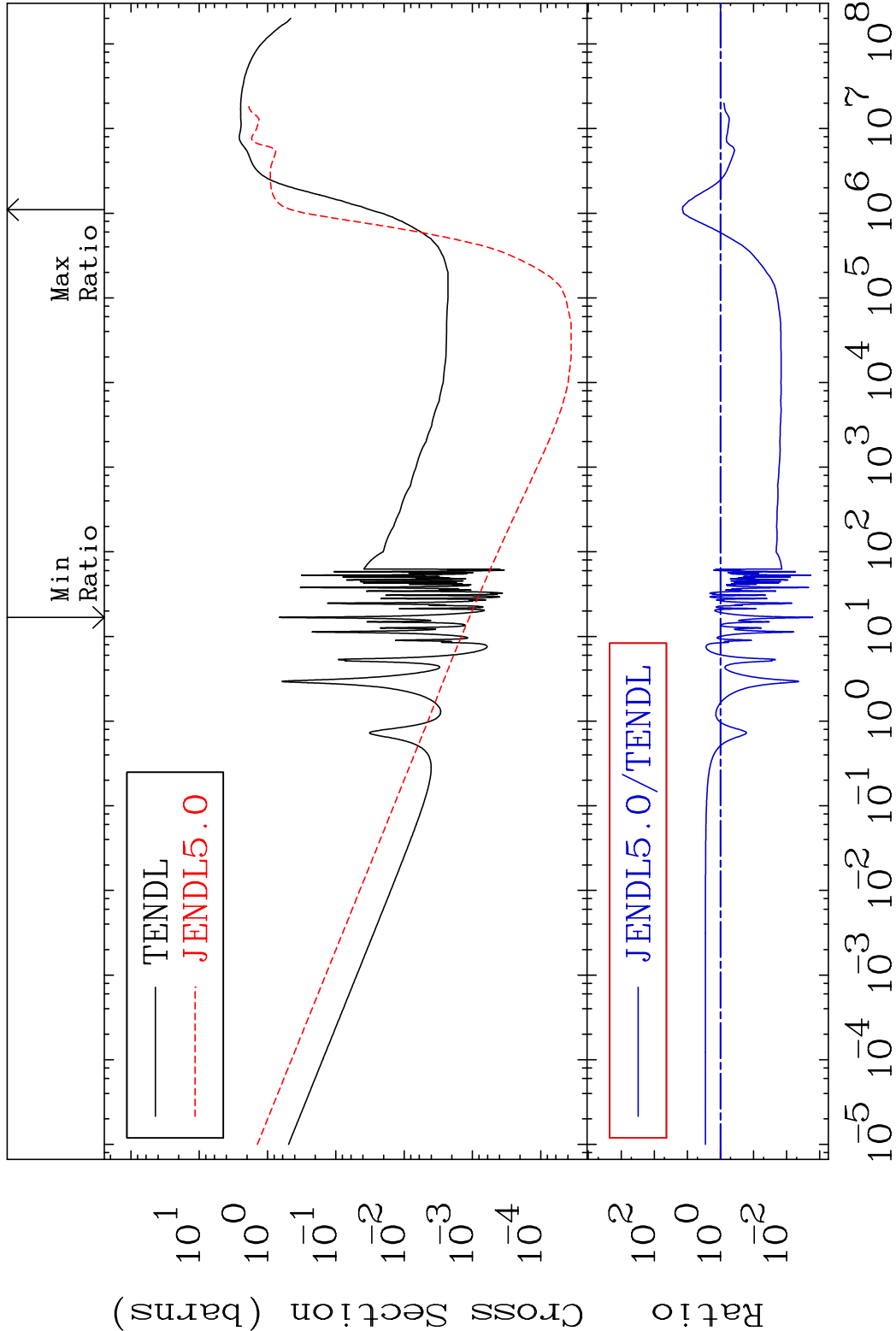


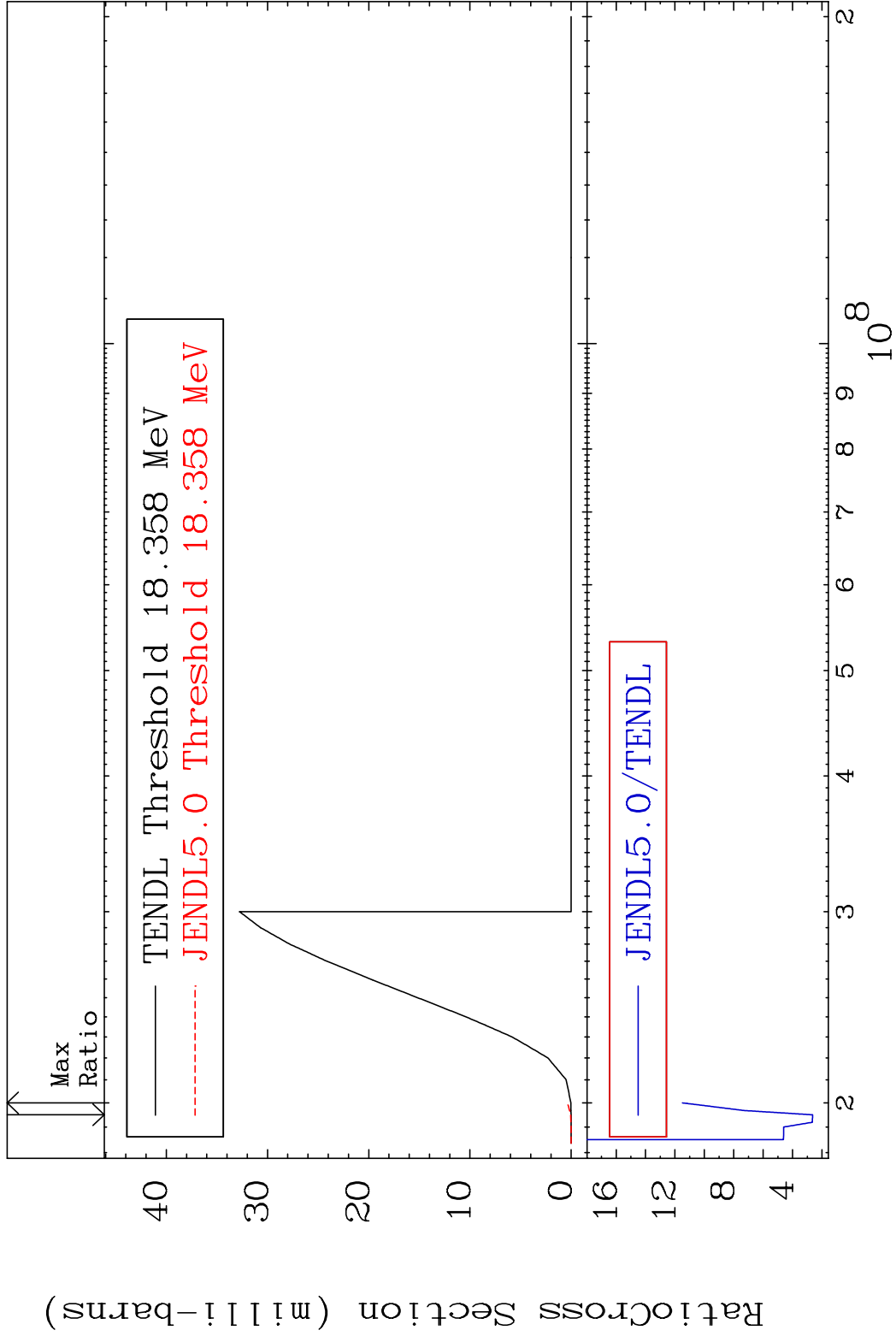
MAT 9352

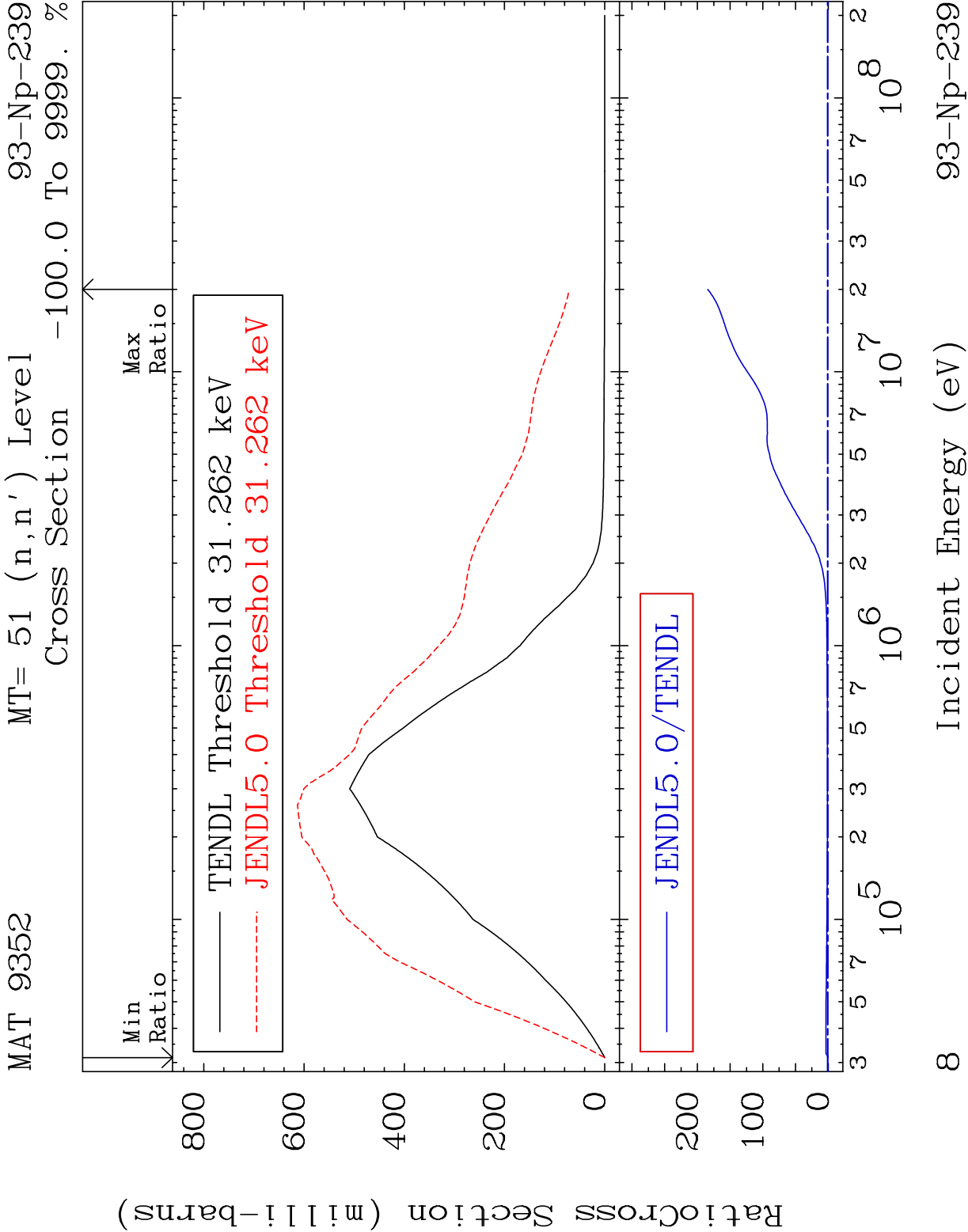
Fission

93-Np-239

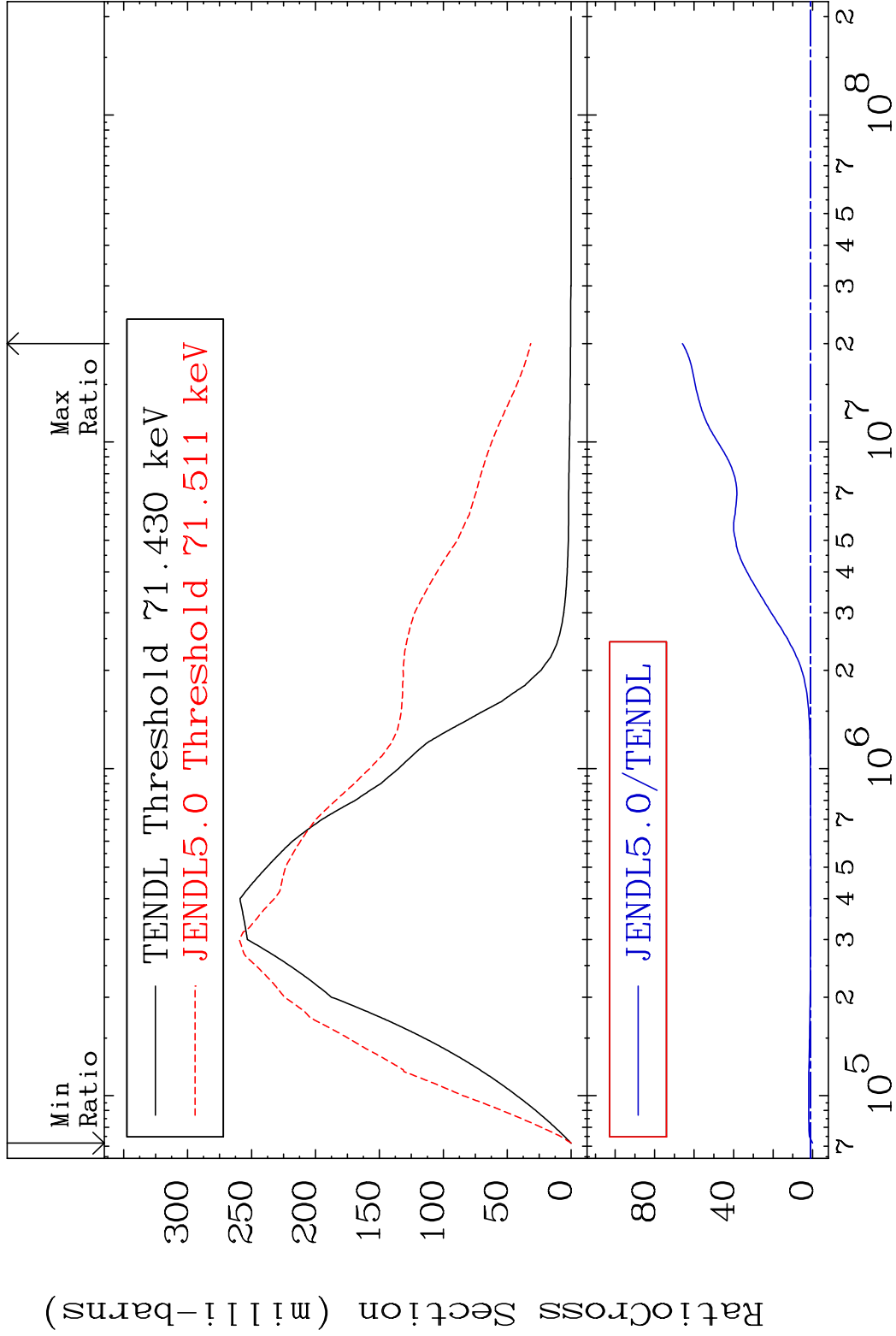
Cross Section -99.84 To 1322. %



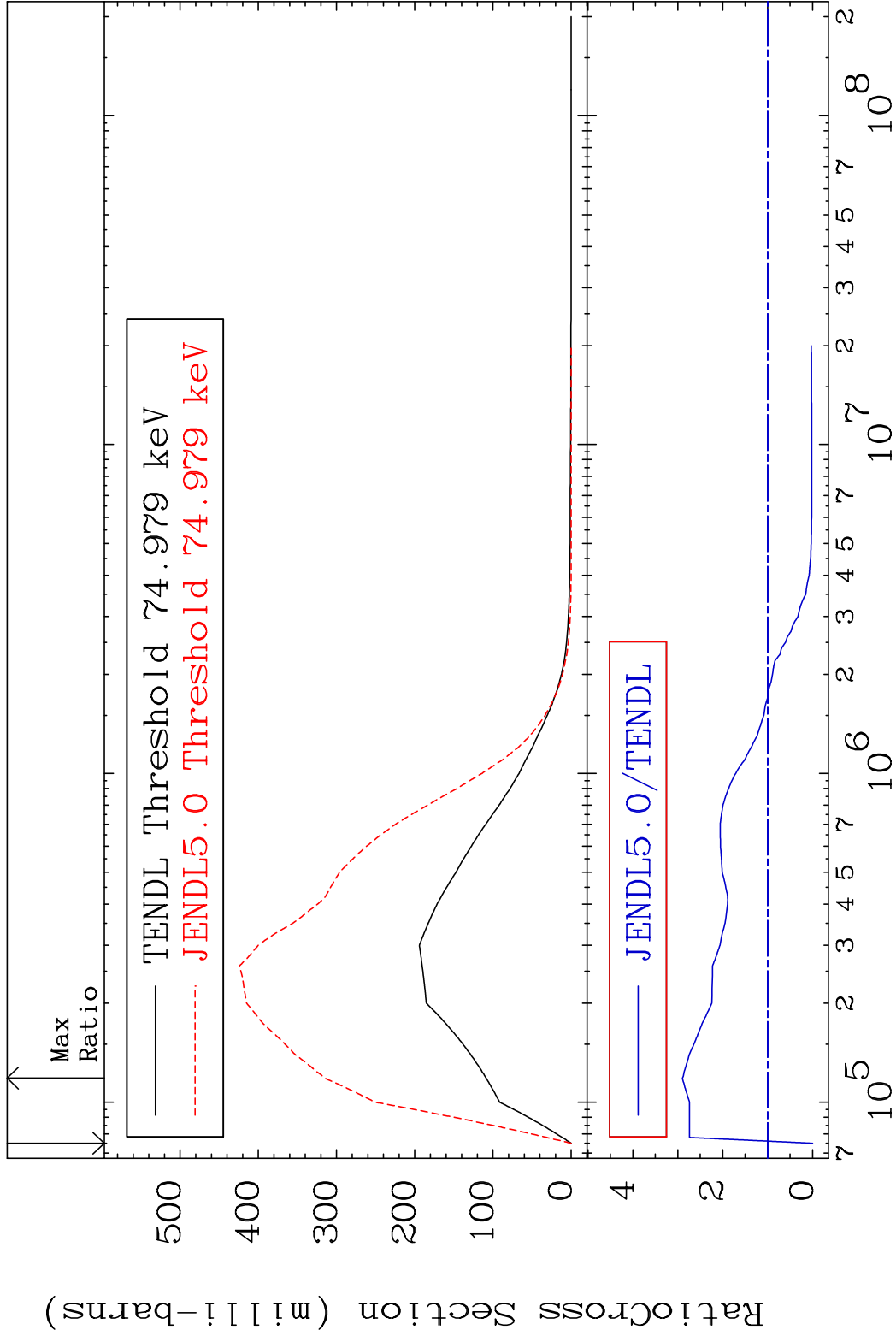




MAT 9352 MT= 52 (n,n') Level 93-Np-239
Cross Section -100.0 To 6497. %

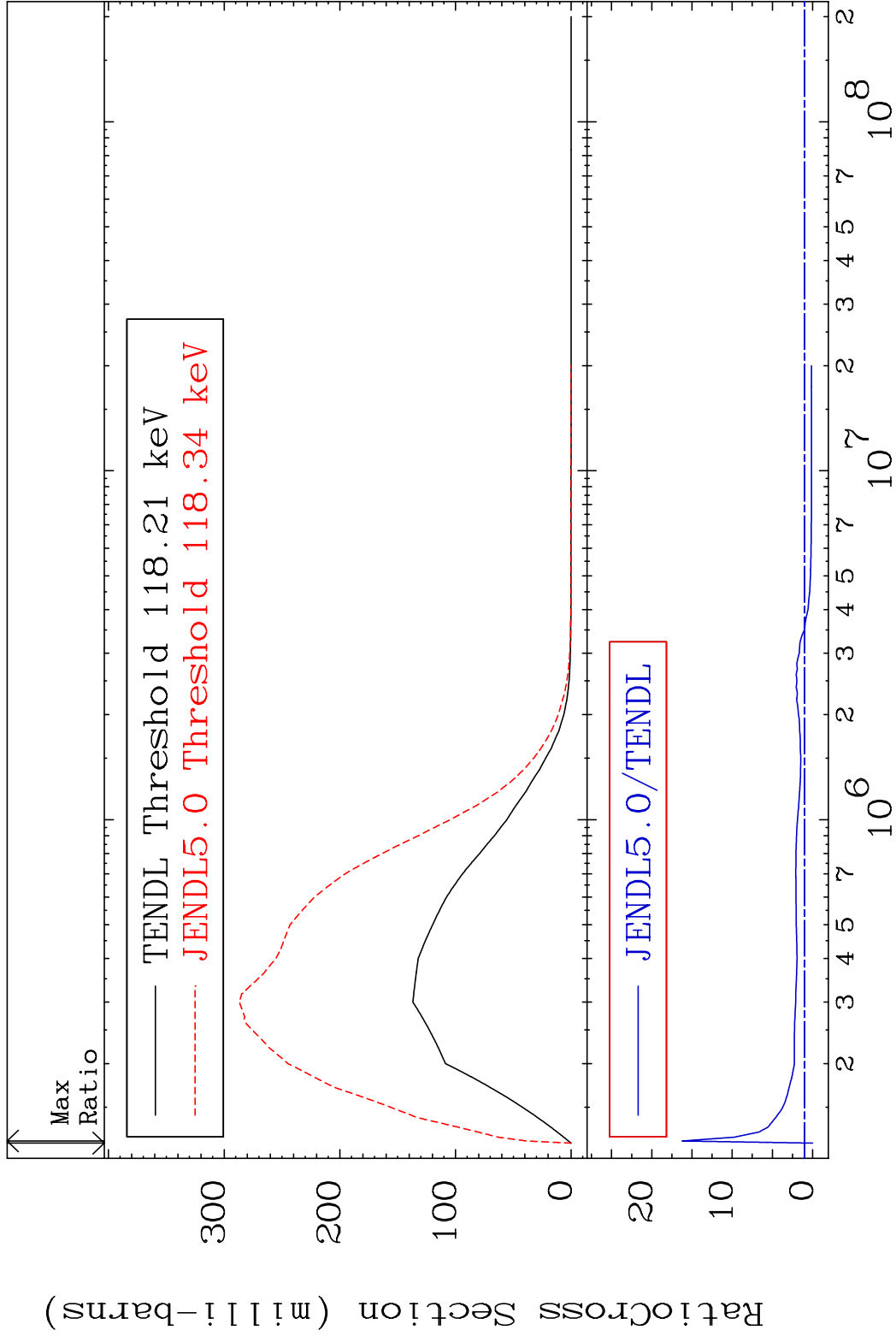


MAT 9352 MT= 53 (n,n') Level 93-Np-239
Cross Section -100.0 To 189.8 %

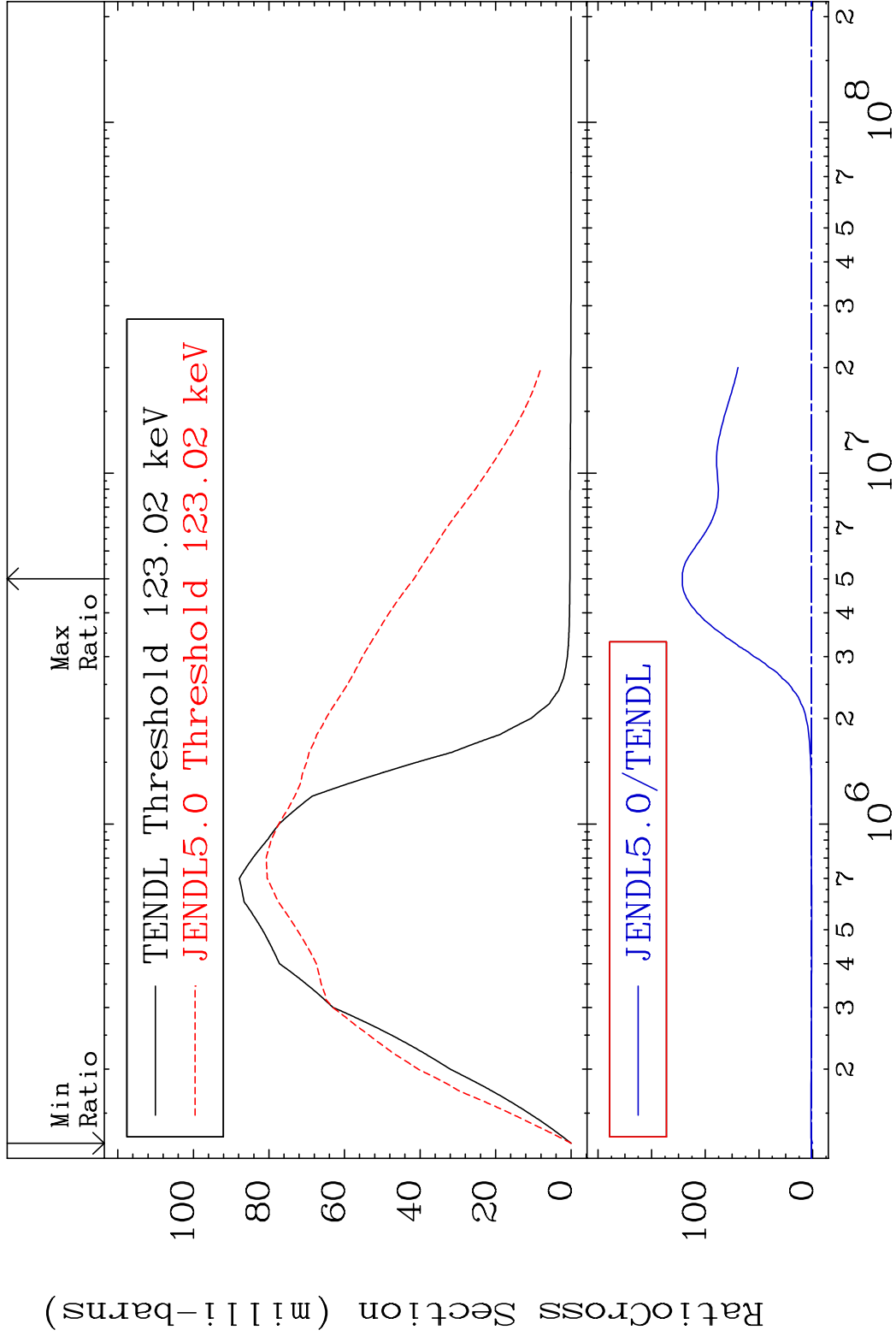


10 Incident Energy (eV) 93-Np-239

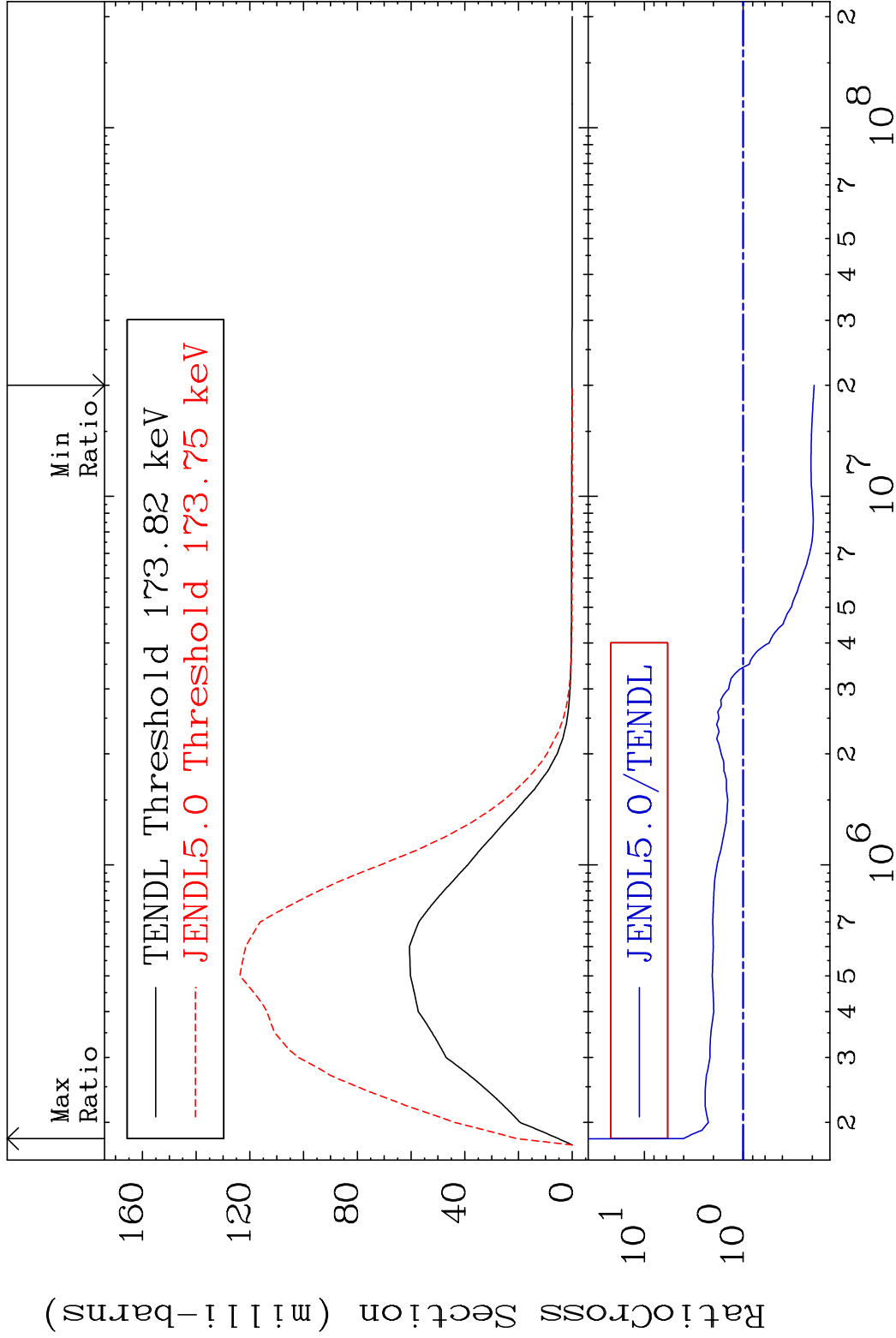
MAT 9352 MT= 54 (n,n') Level 93-Np-239
Cross Section -100.0 To 1519. %



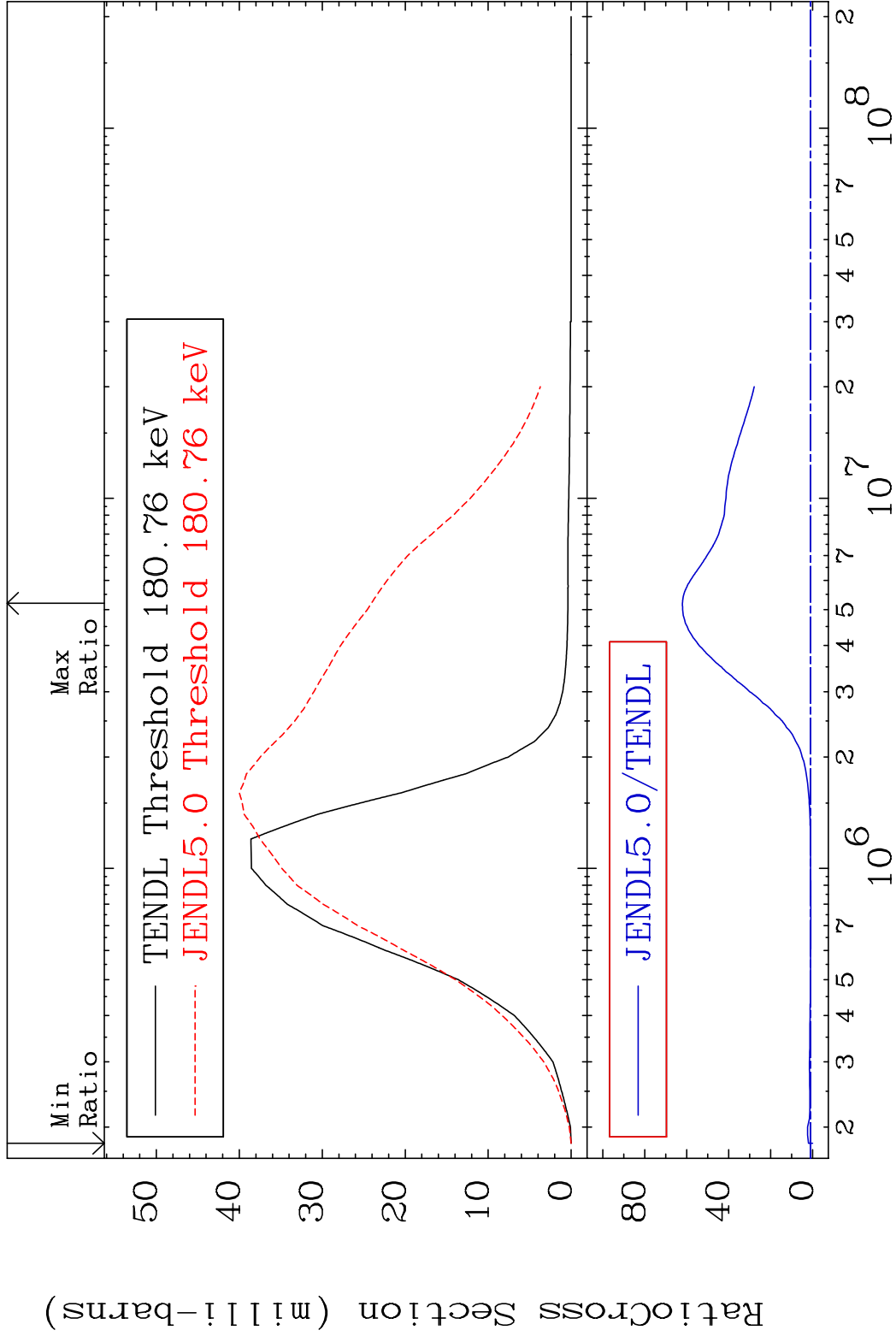
MAT 9352 MT= 55 (n,n') Level 93-Np-239
Cross Section -100.0 To 9999. %



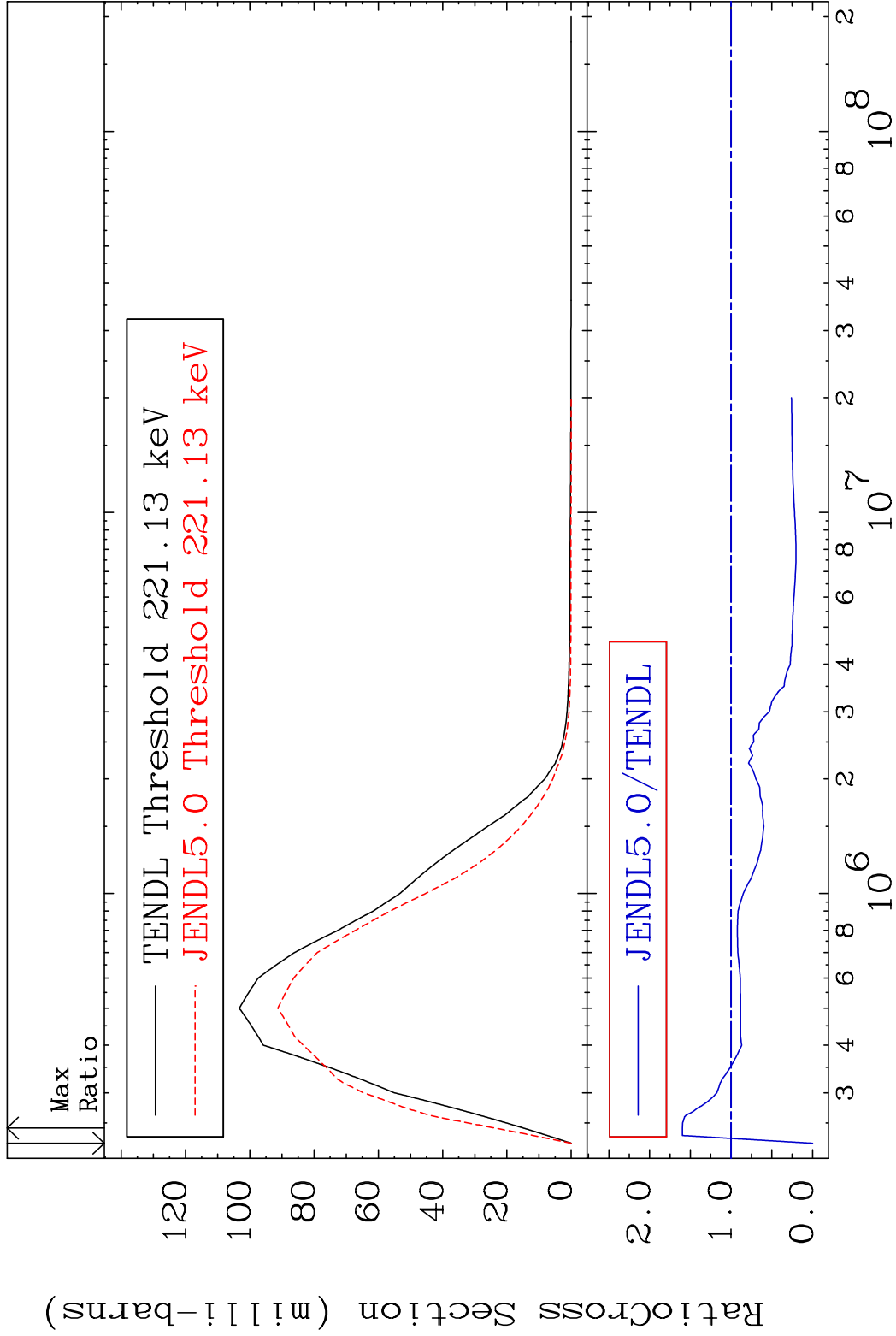
MAT 9352 MT= 56 (n,n') Level 93-Np-239
Cross Section -80.86 To 300.2 %



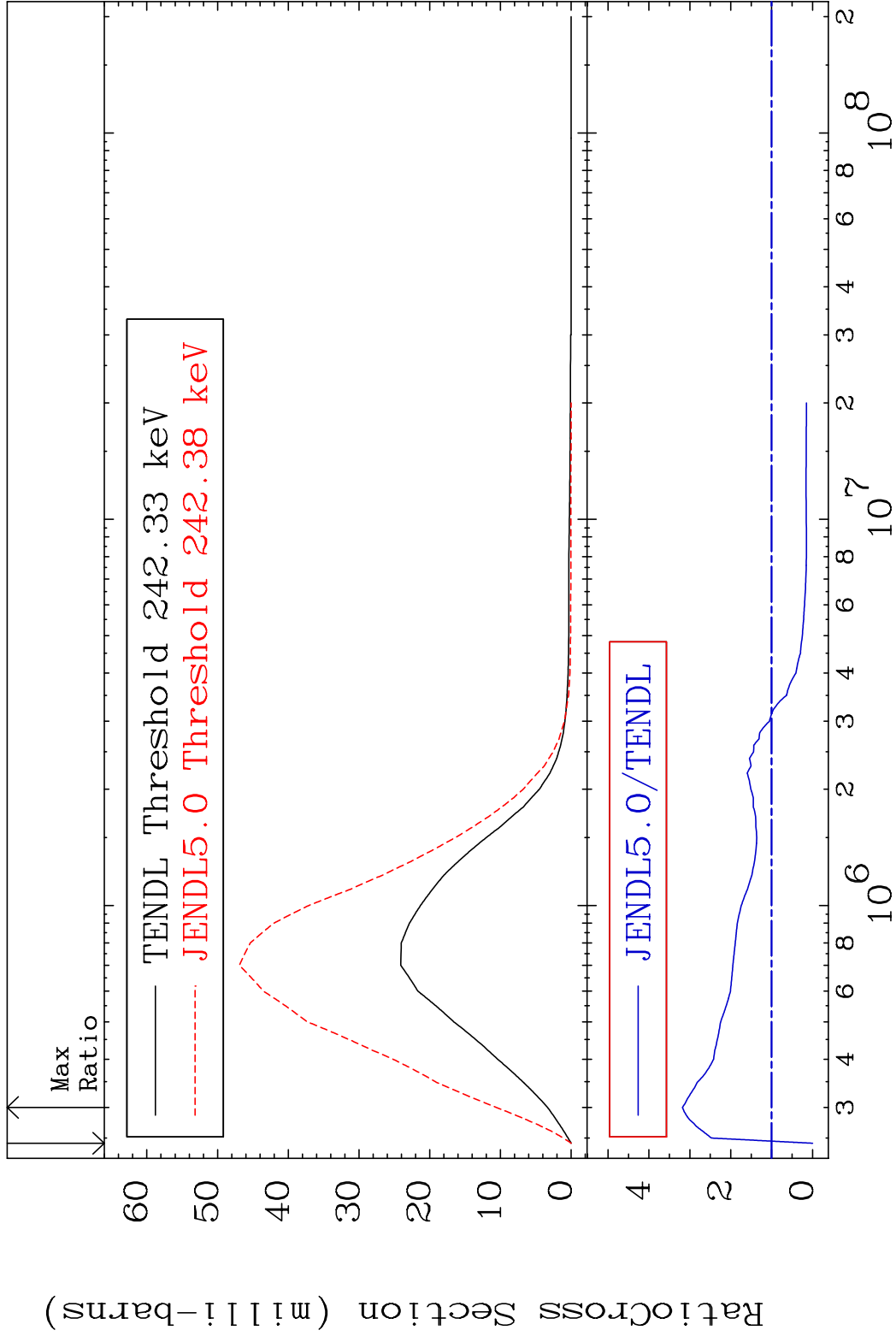
MAT 9352 MT= 57 (n,n') Level 93-Np-239
Cross Section -100.0 To 6108. %



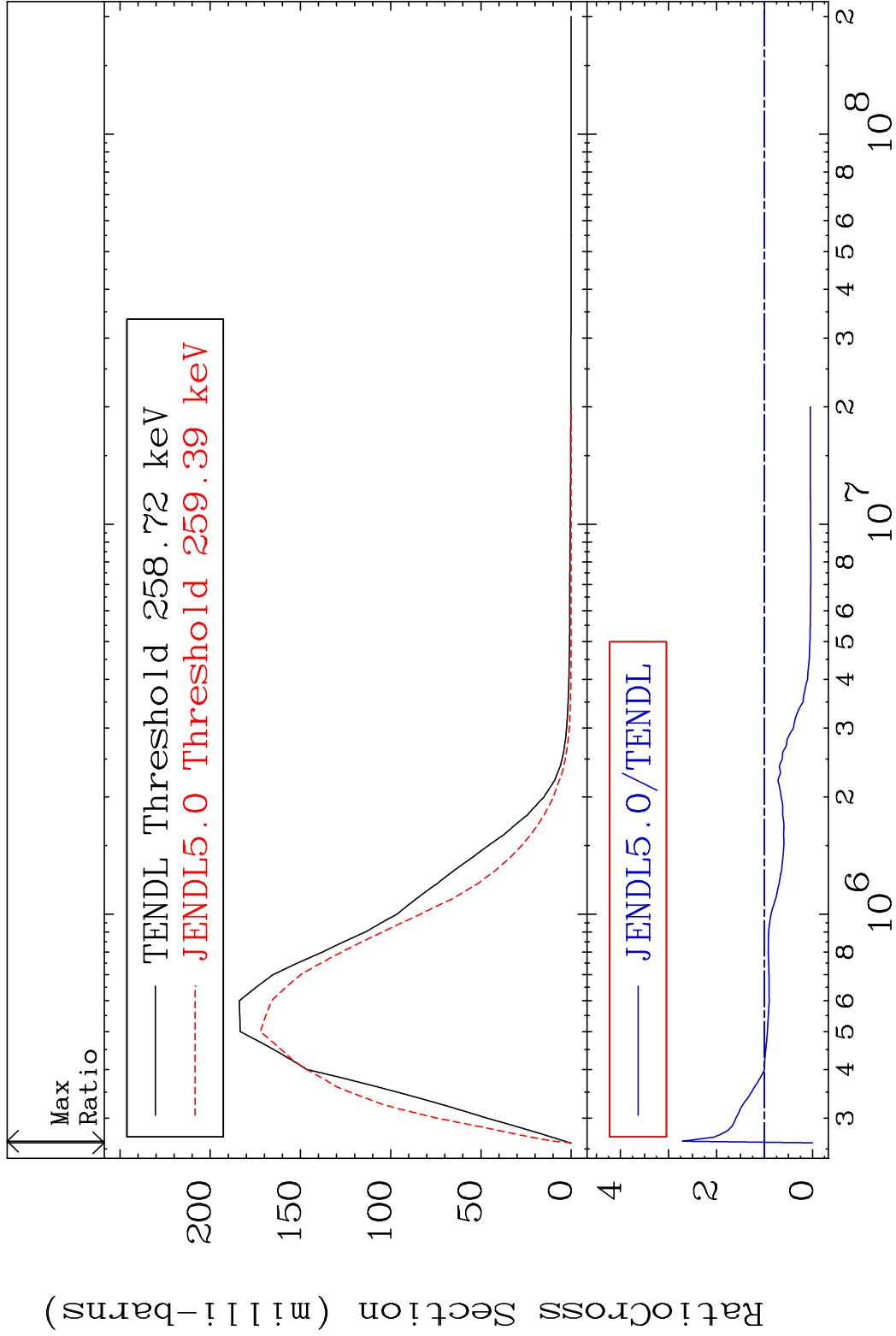
MAT 9352 MT= 58 (n,n') Level 93-Np-239
Cross Section -100.0 To 59.79 %



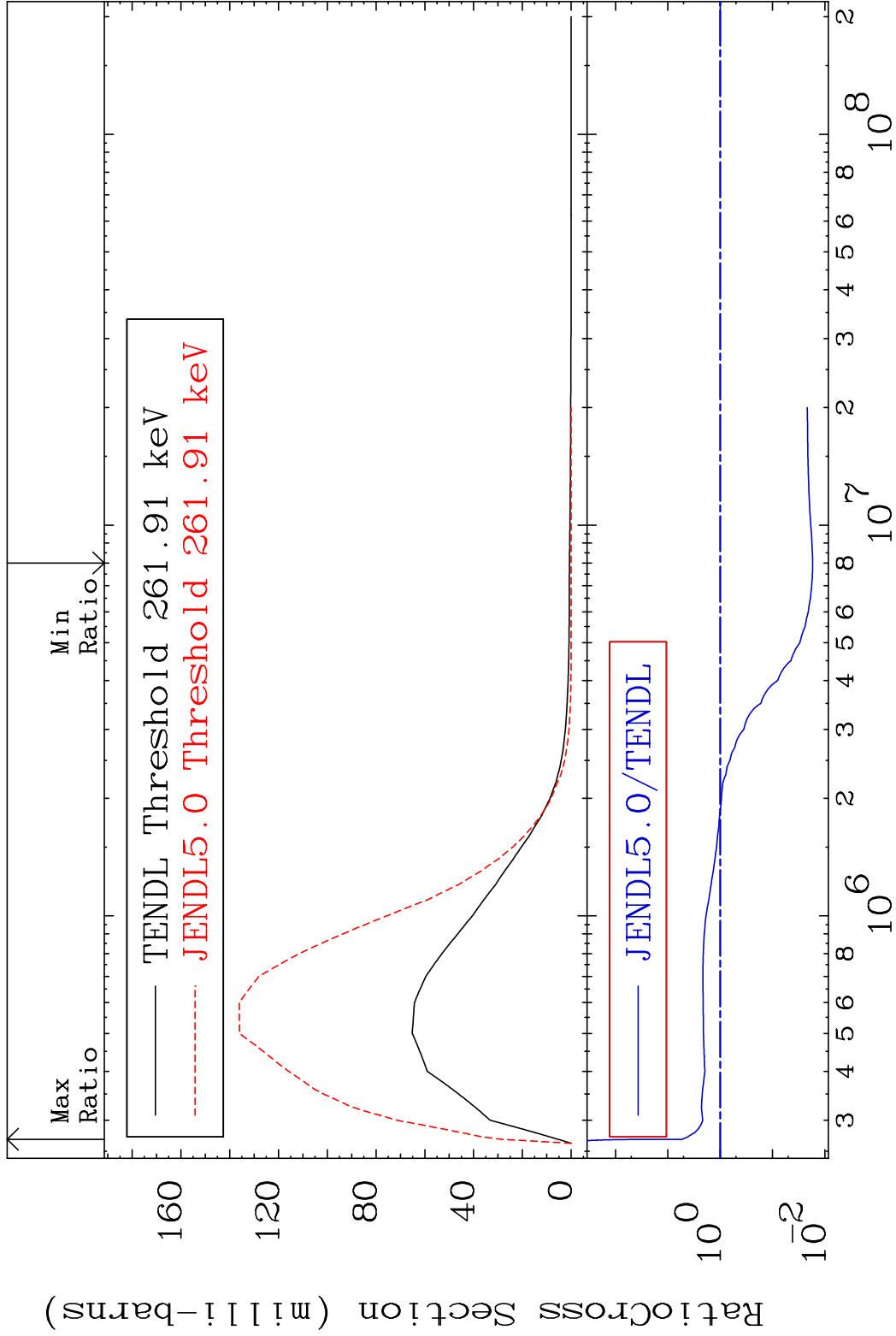
MAT 9352 MT= 59 (n,n') Level 93-Np-239
Cross Section -100.0 To 218.3 %



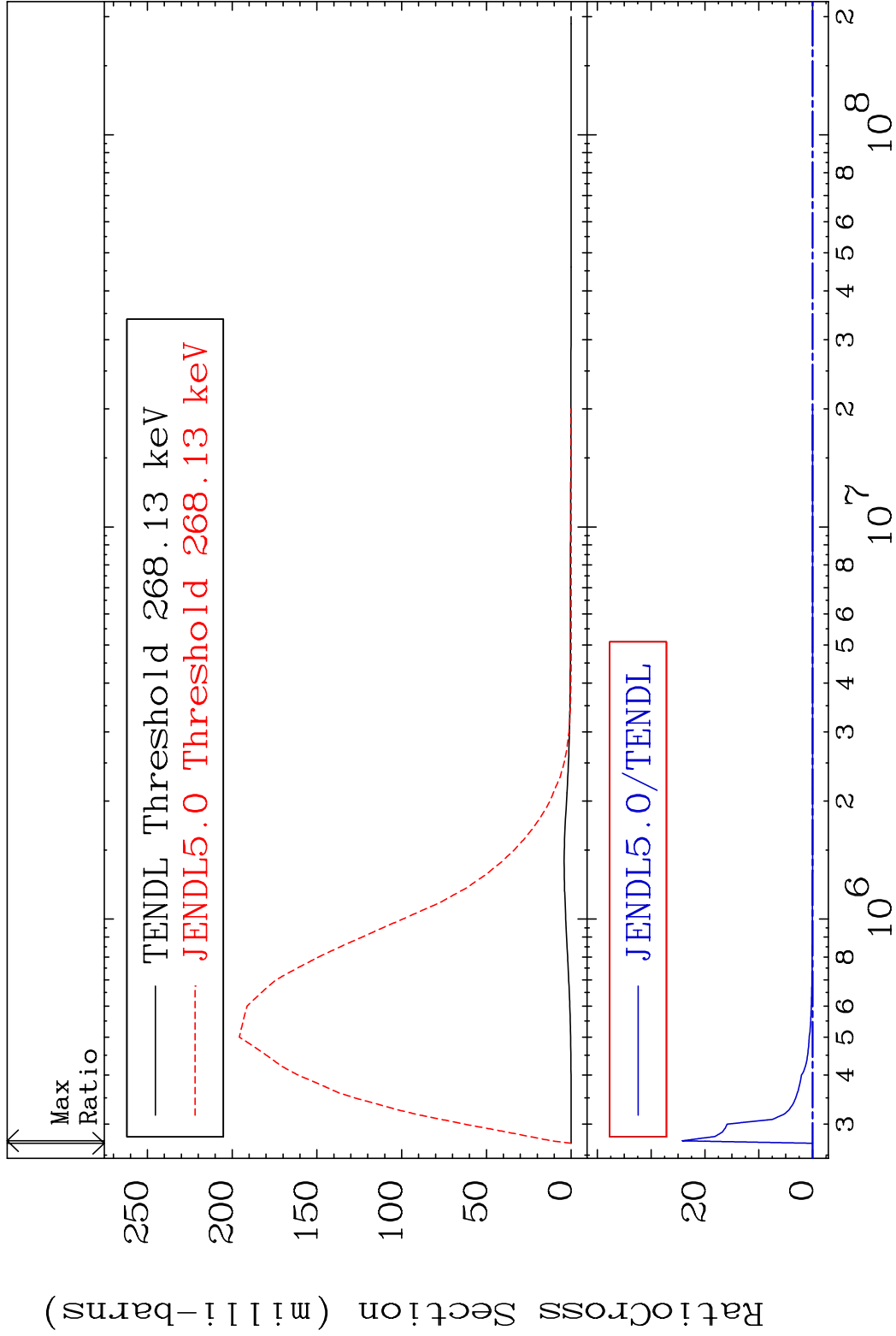
MAT 9352 MT= 60 (n,n') Level 93-Np-239
Cross Section -100.0 To 171.1 %



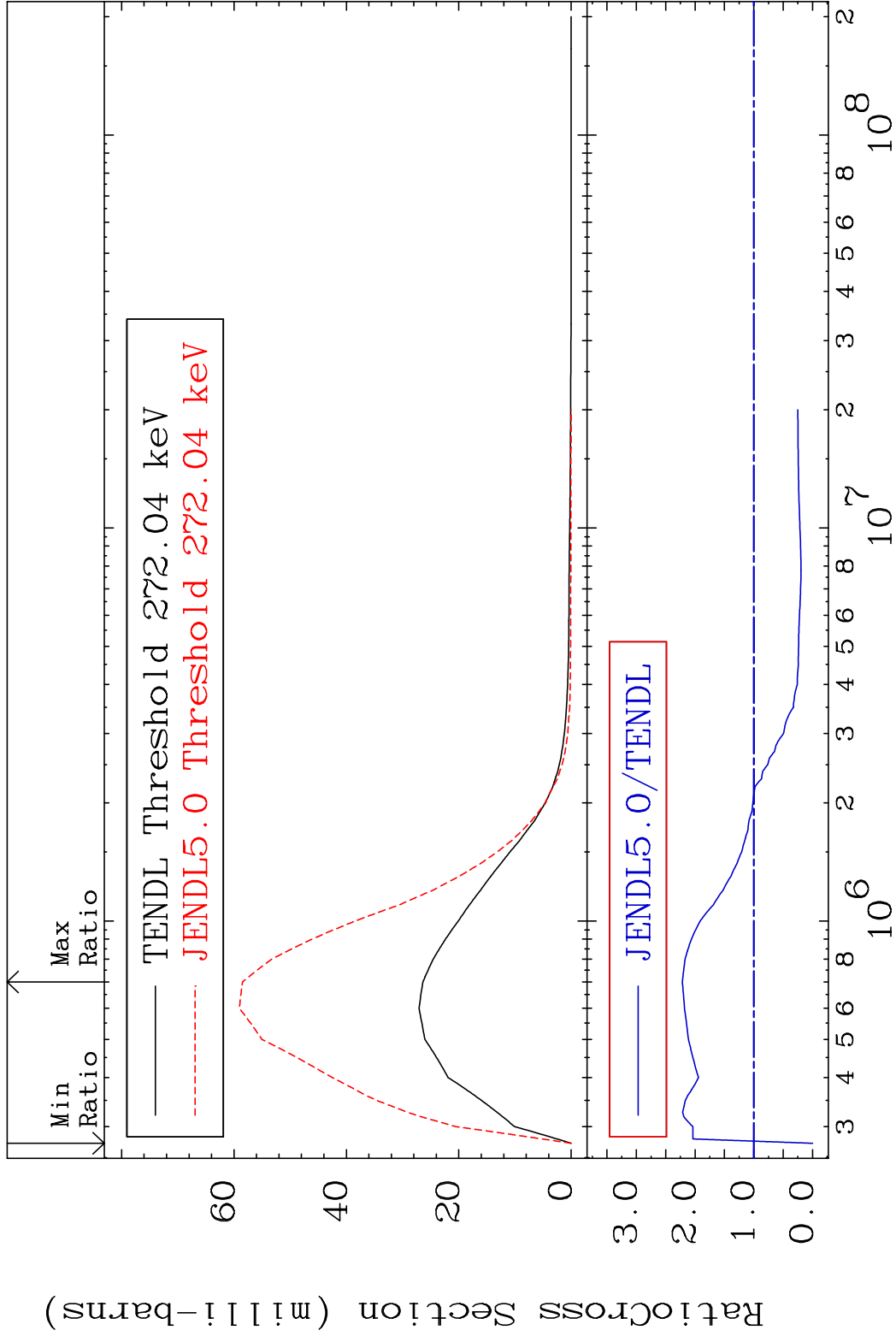
MAT 9352 MT= 61 (n,n') Level 93-Np-239
Cross Section -98.28 To 428.1 %

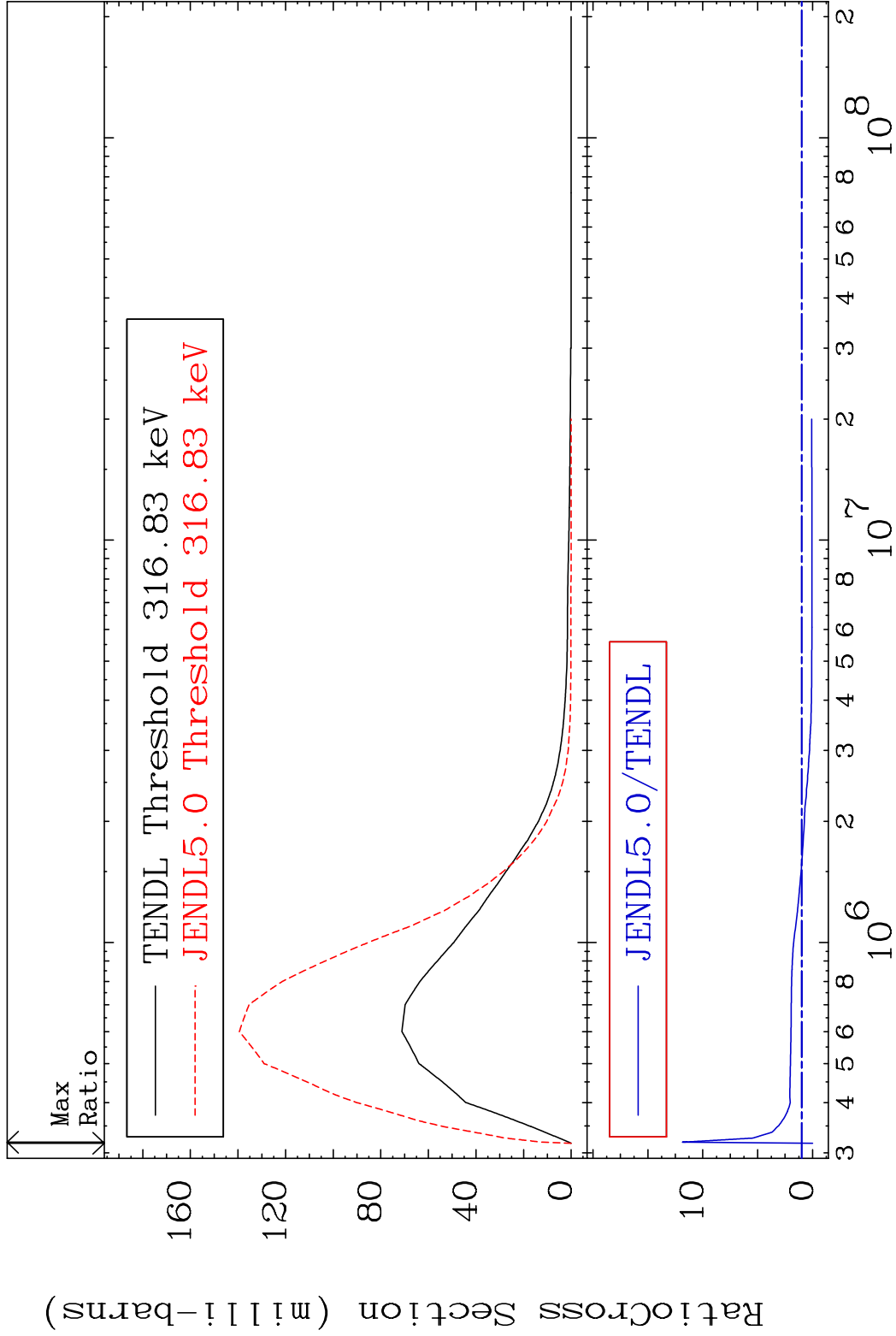


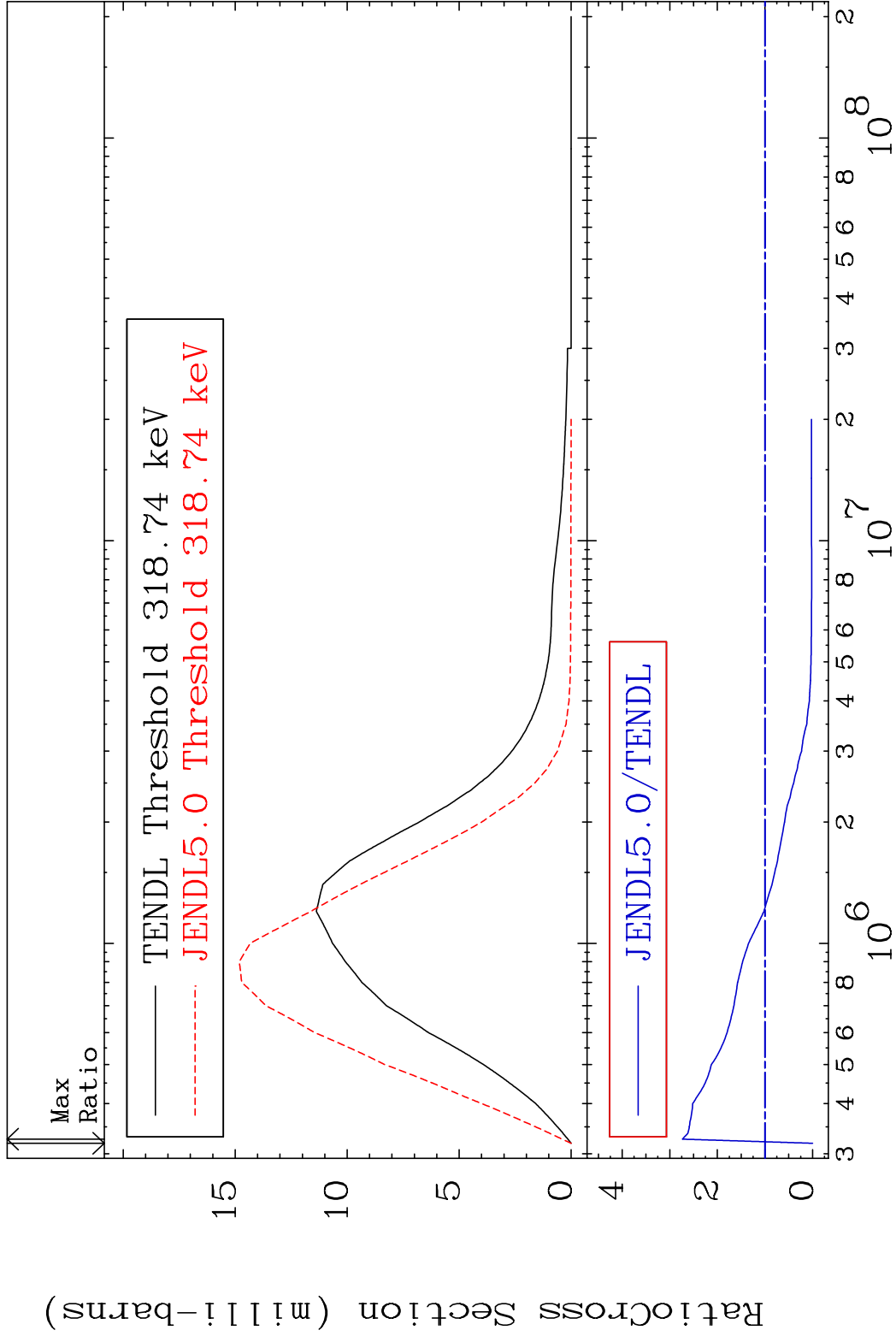
MAT 9352 MT= 62 (n,n') Level 93-Np-239
Cross Section -100.0 To 9999. %



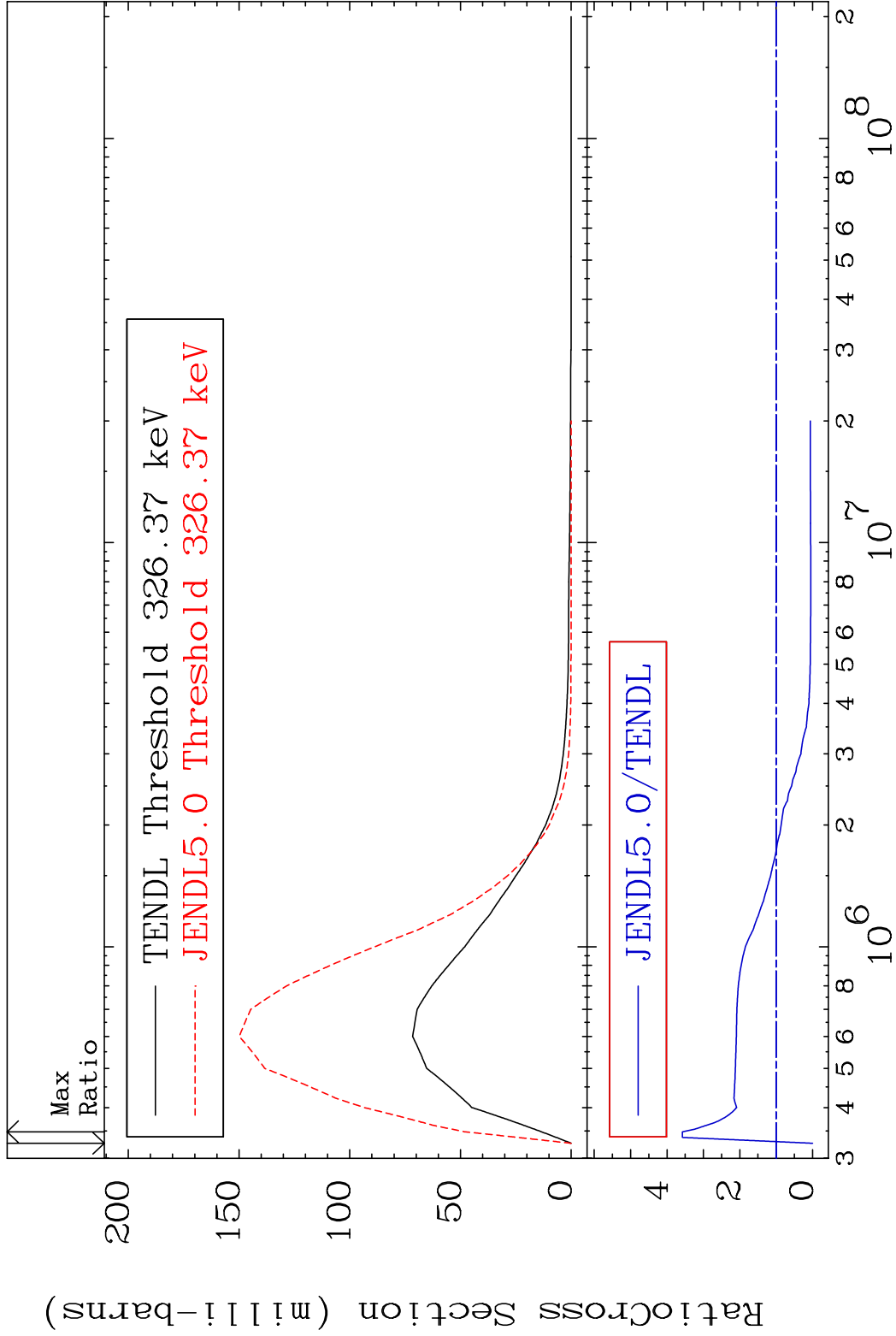
MAT 9352 MT= 63 (n,n') Level 93-Np-239
Cross Section -100.0 To 121.7 %

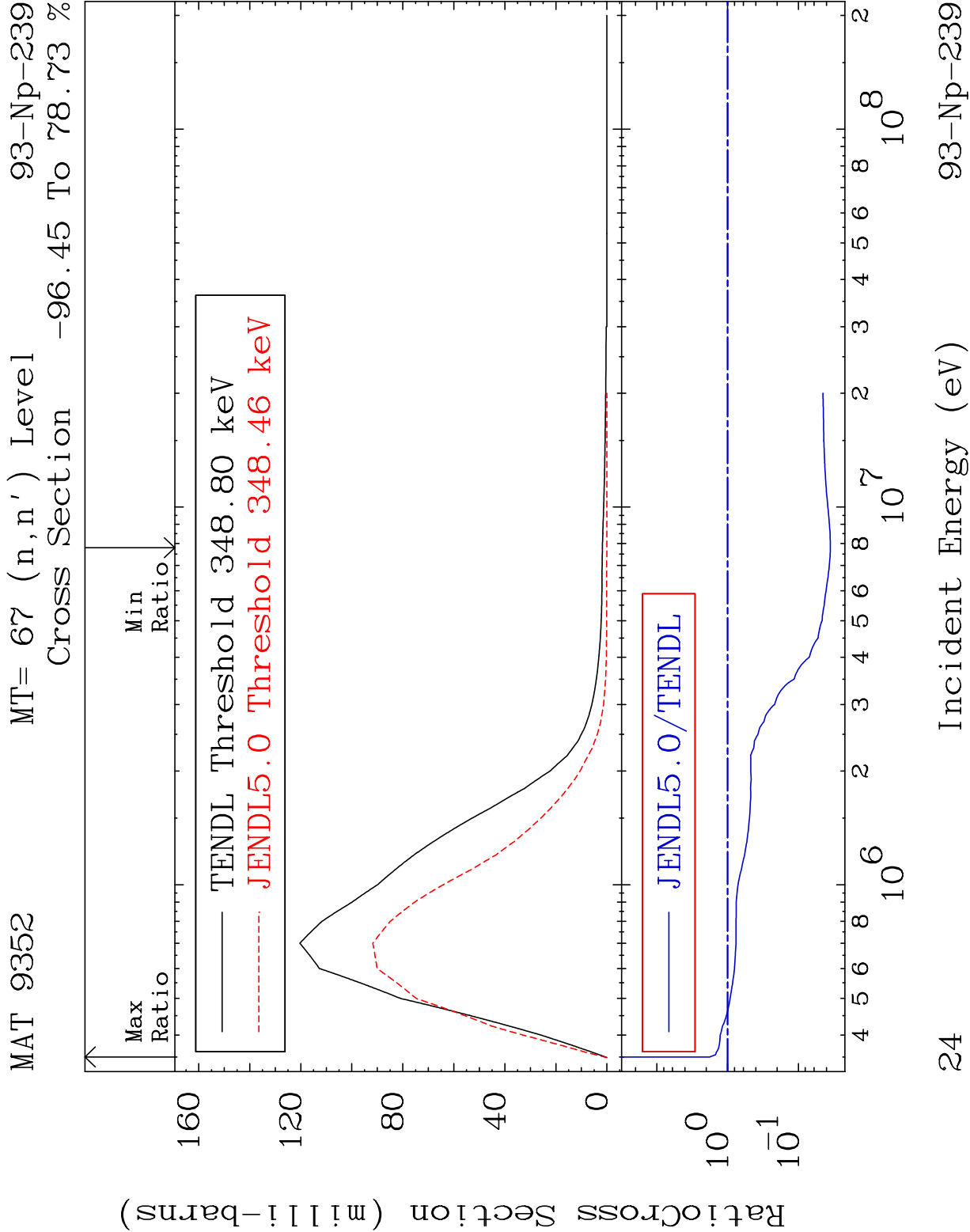


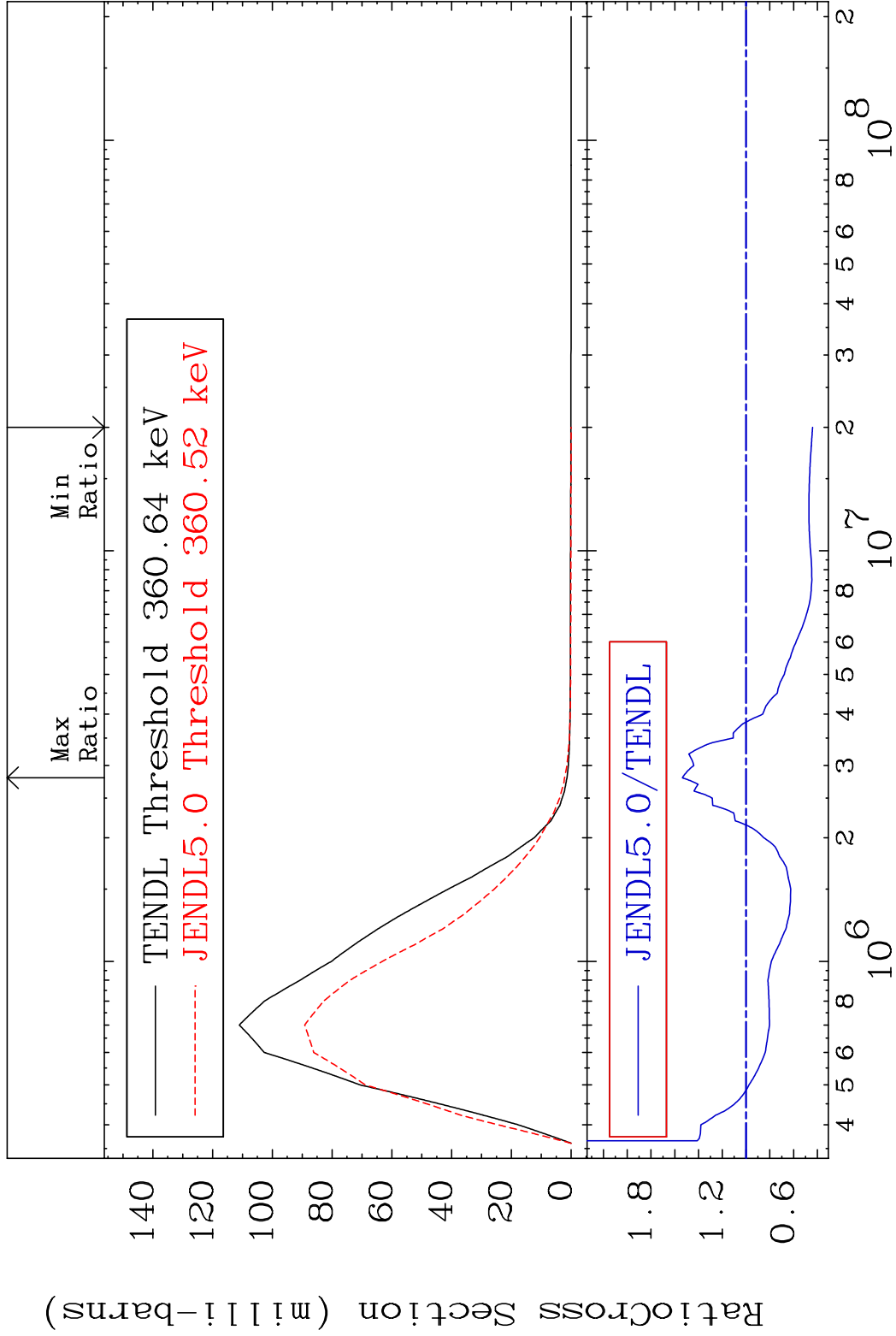


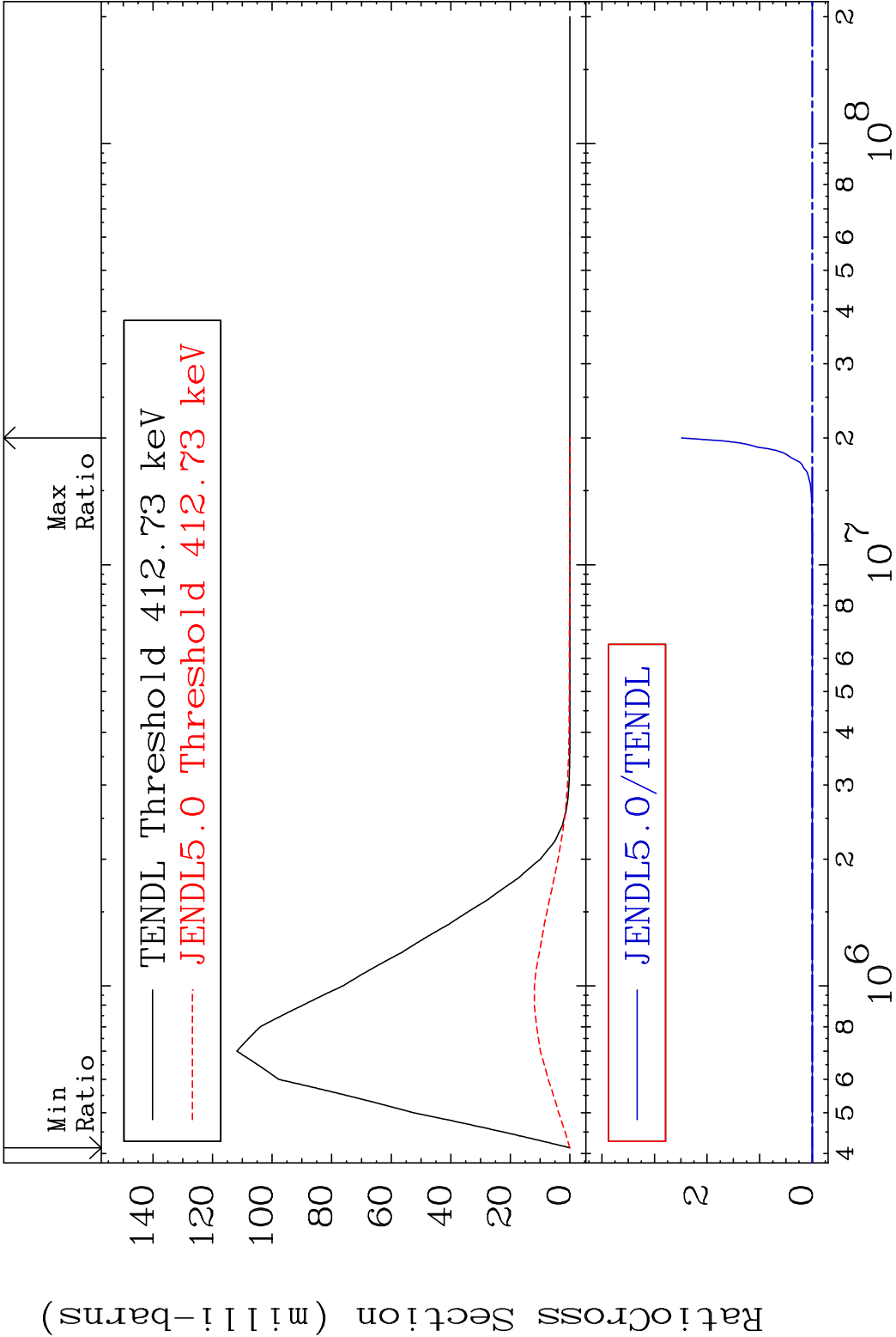


MAT 9352 MT= 66 (n,n') Level 93-Np-239
Cross Section -100.0 To 257.8 %

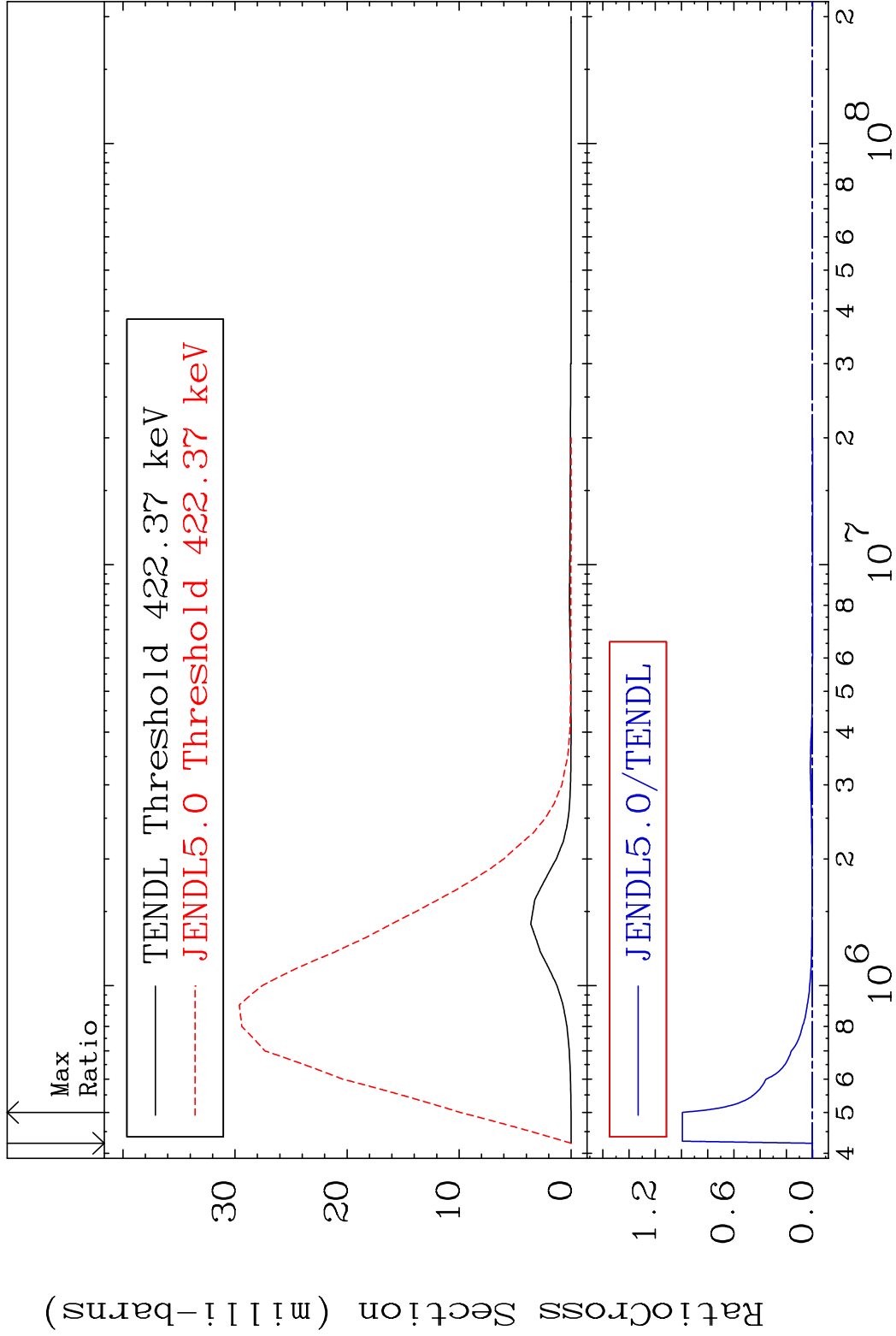


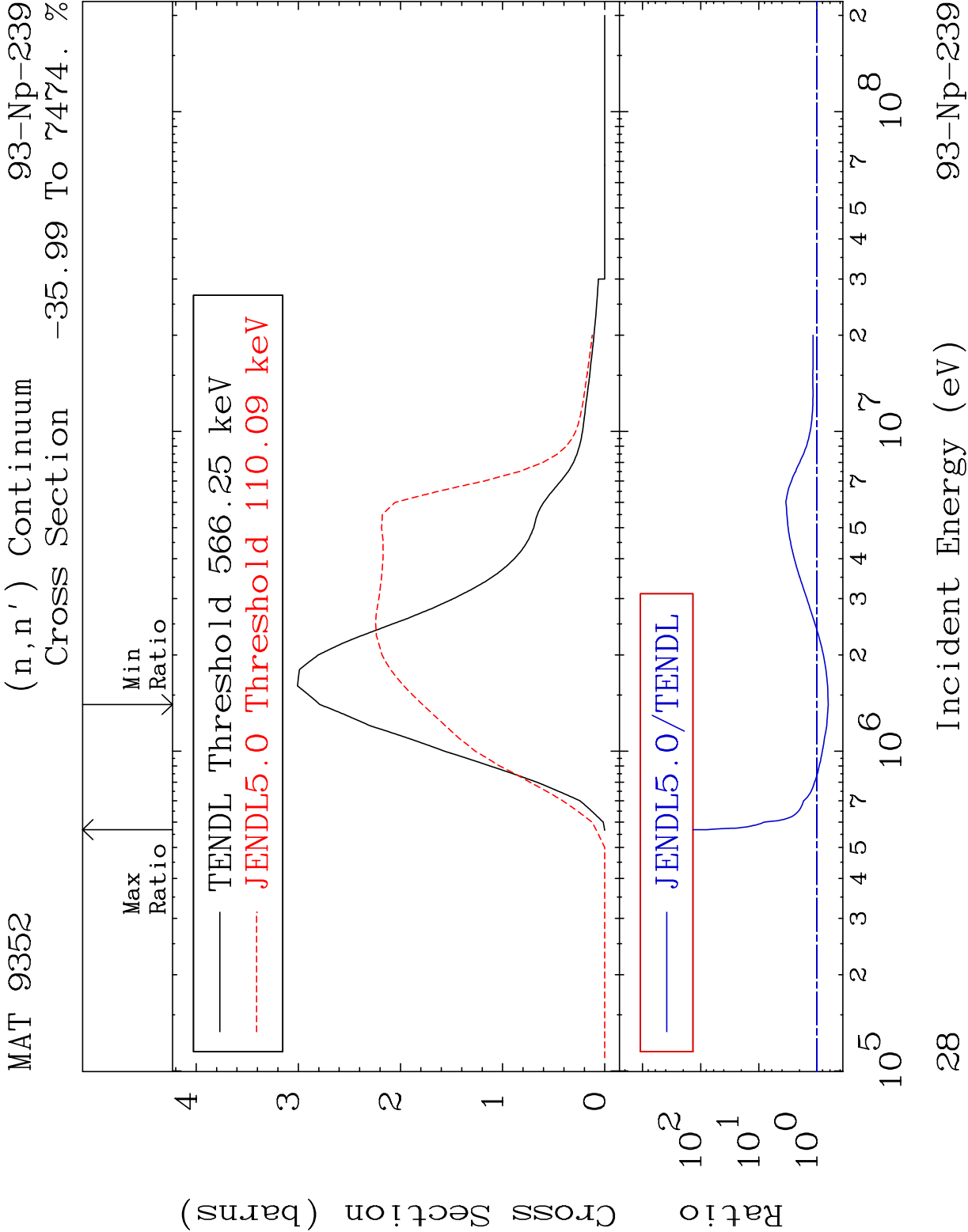


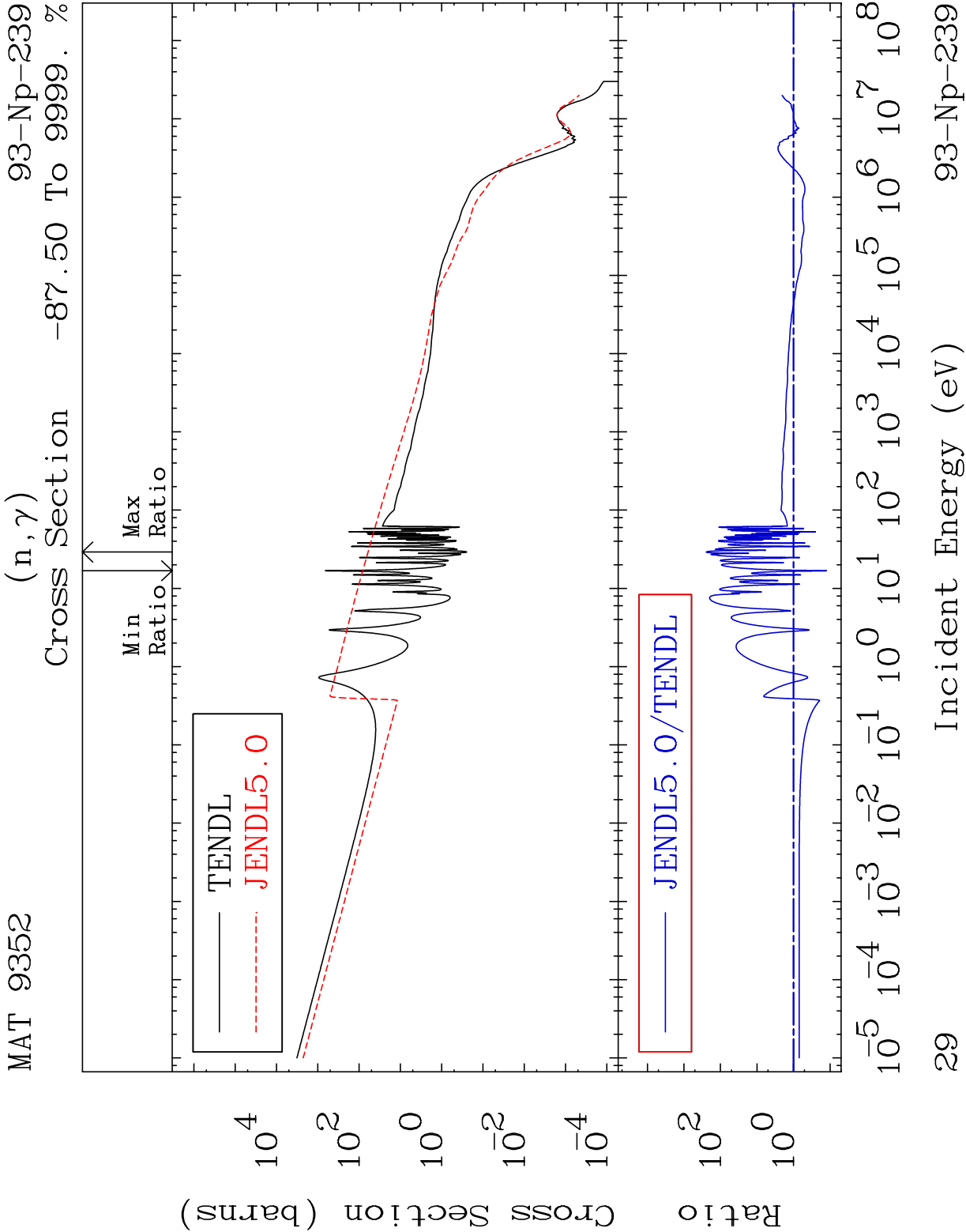




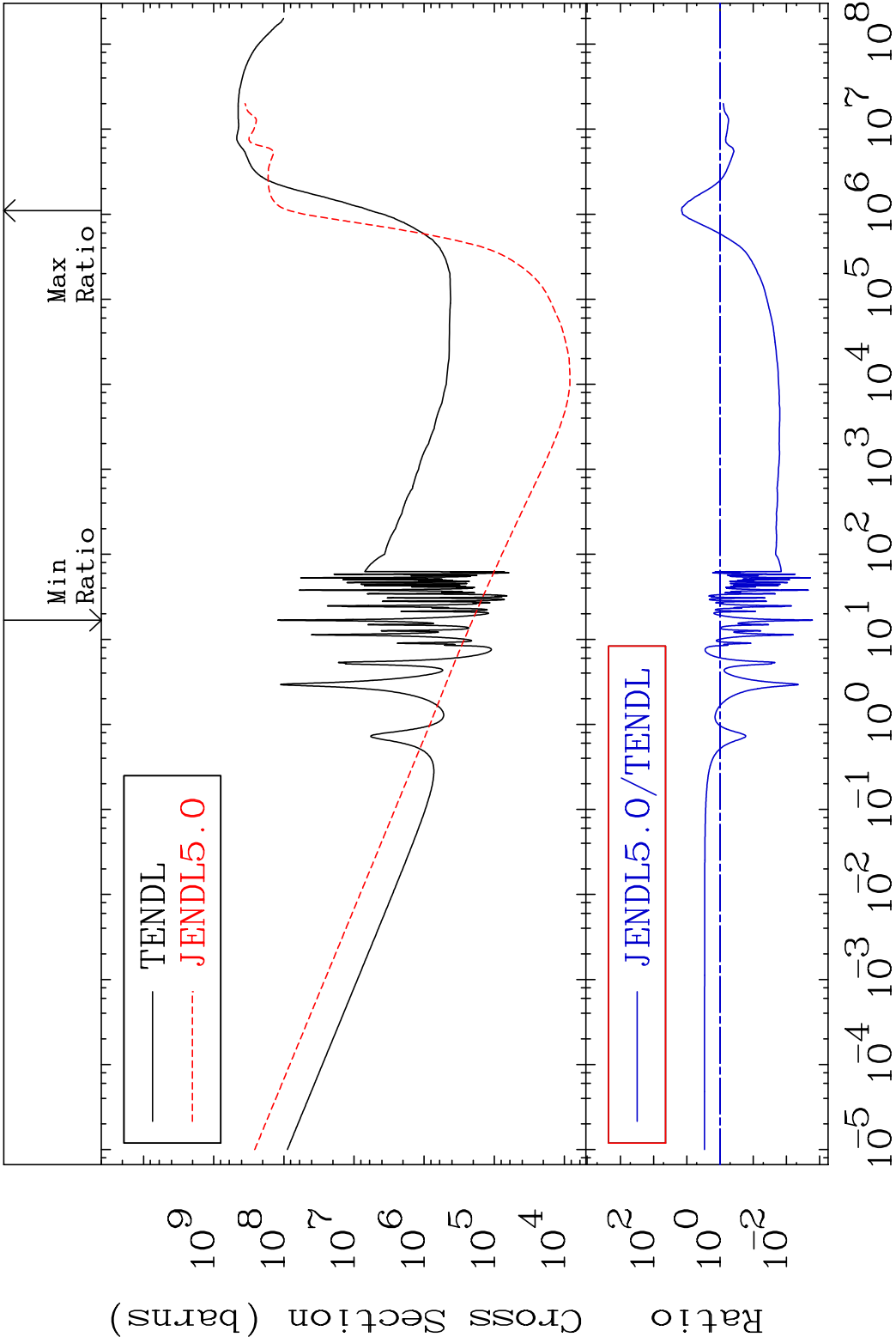
MAT 9352 MT= 70 (n,n') Level 93-Np-239
Cross Section -100.0 To 9999. %







MAT 9352 Kerma total (eV-barns) 93-Np-239
Cross Section -99.83 To 1339. %

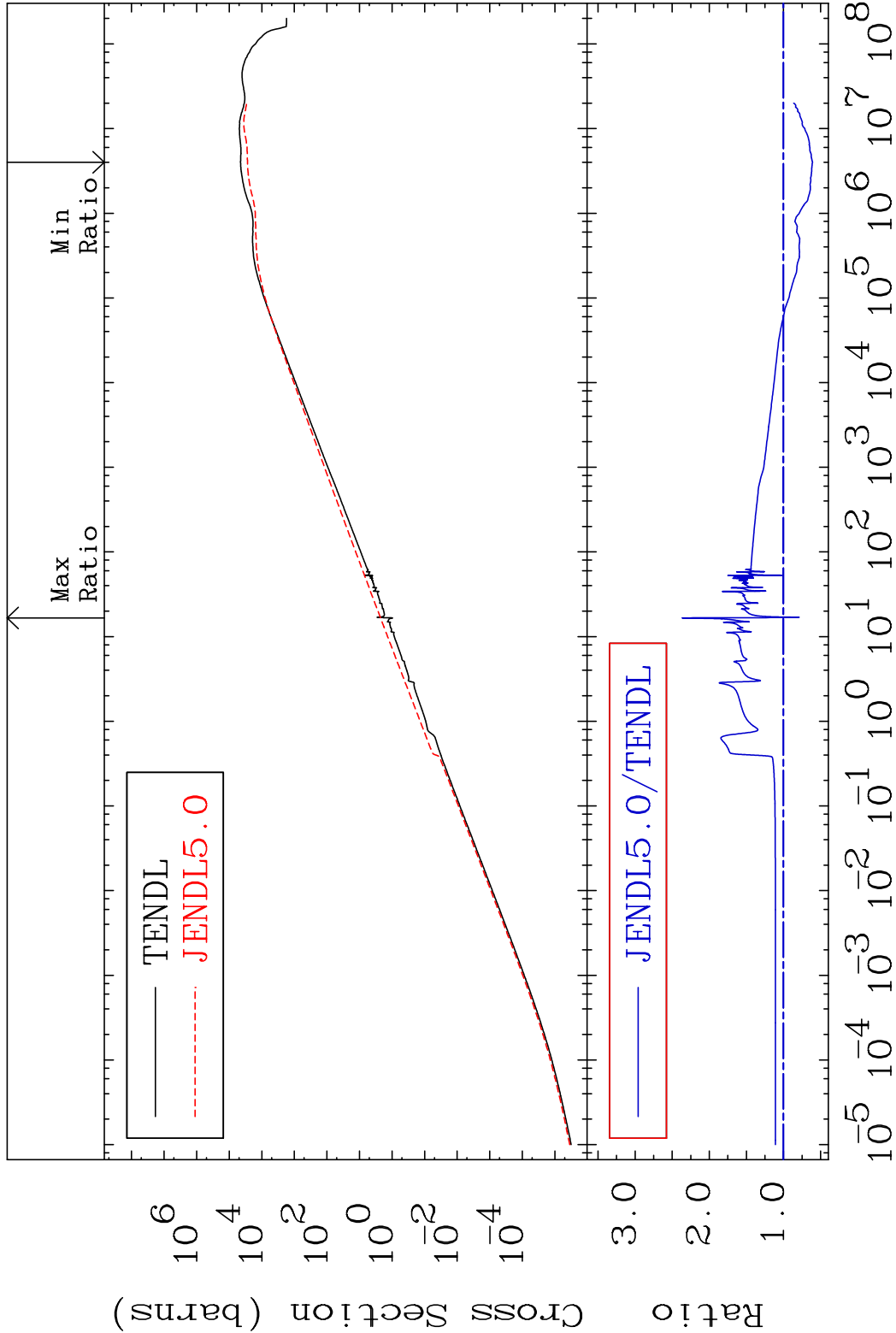


MAT 9352

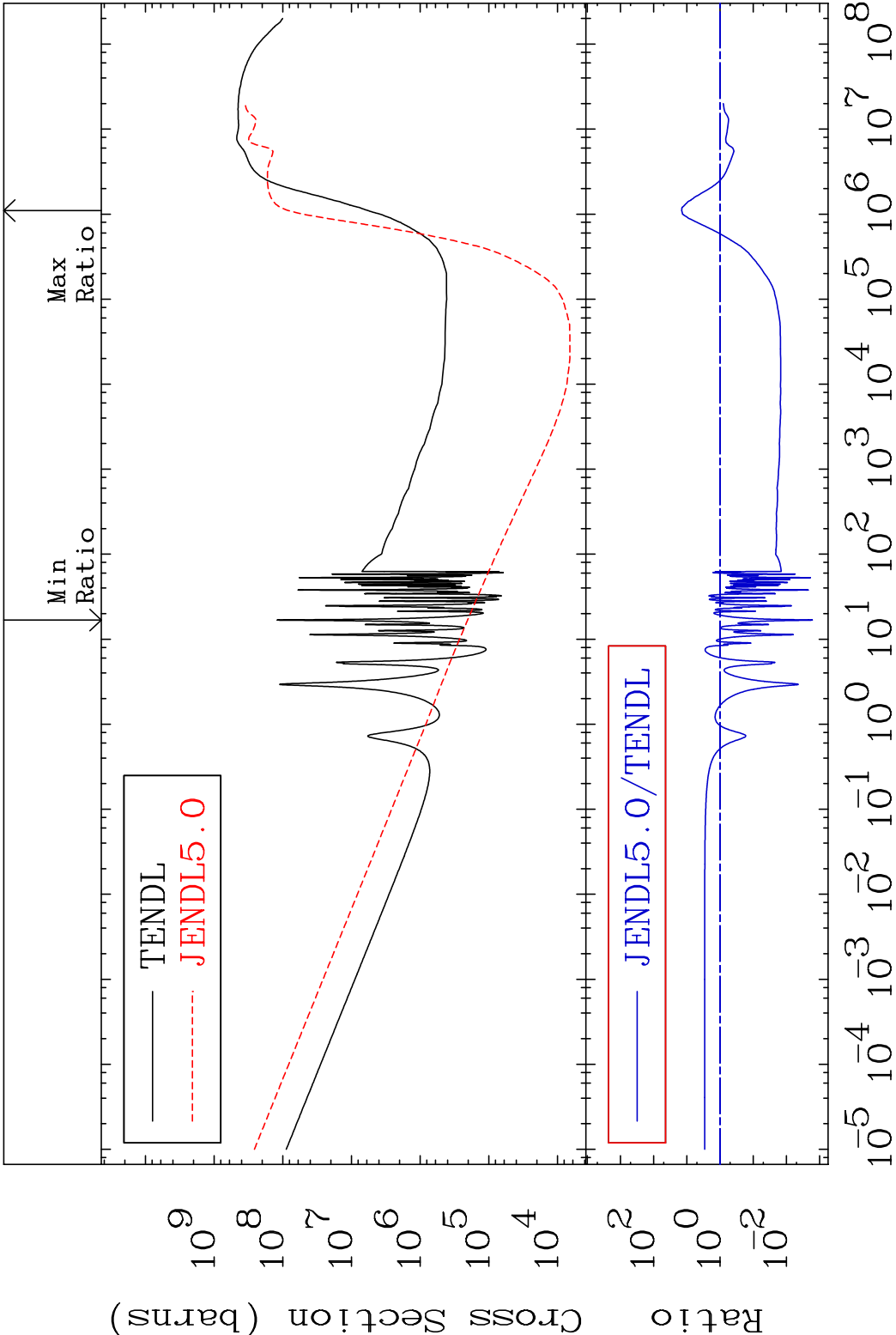
Kerma elastic
Cross Section

93-Np-239

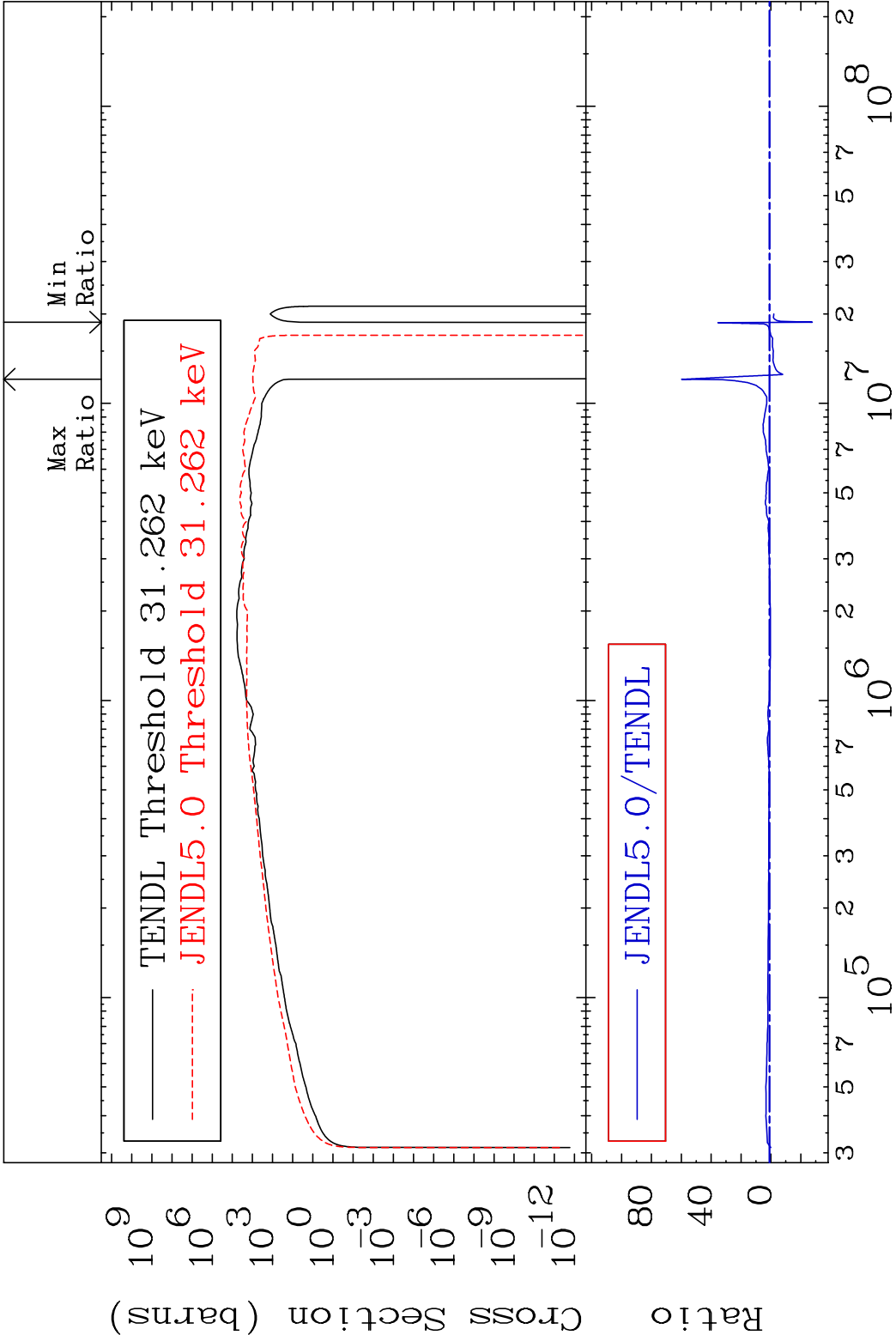
-39.12 To 136.3 %



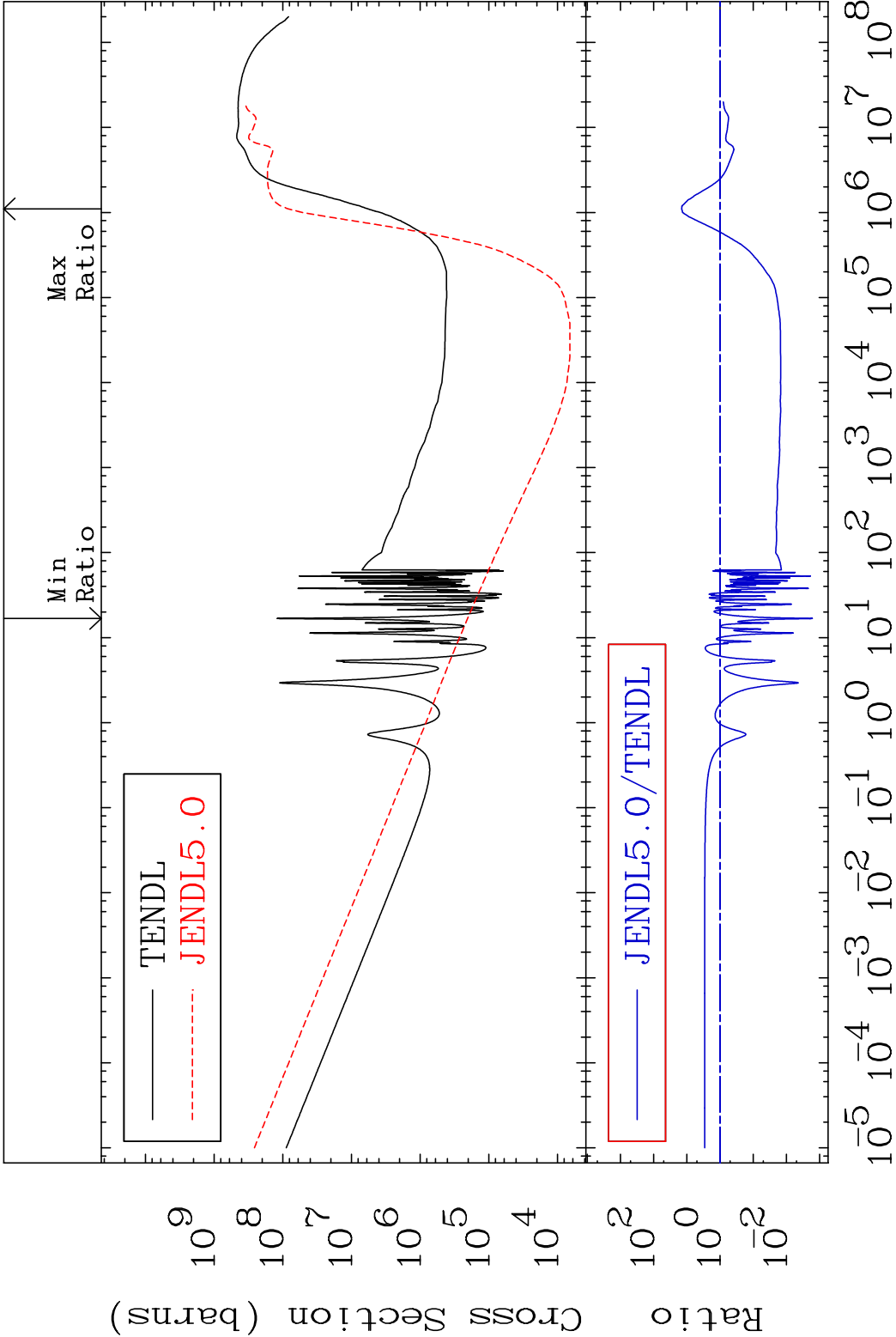
MAT 9352 Kerma non-elastic (all but mt2) 93-Np-239
 Cross Section -99.83 To 1344. %

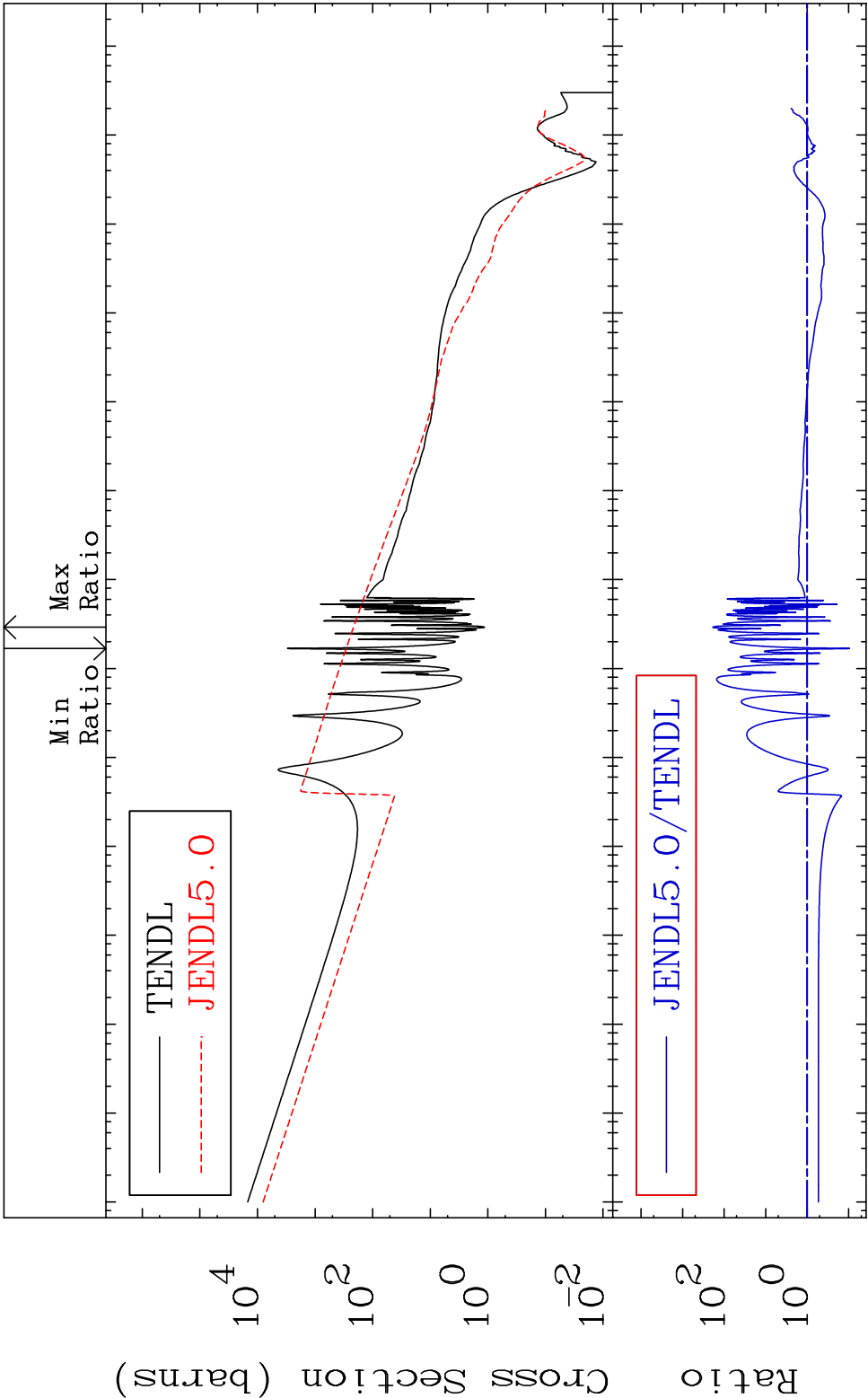


93-Np-239

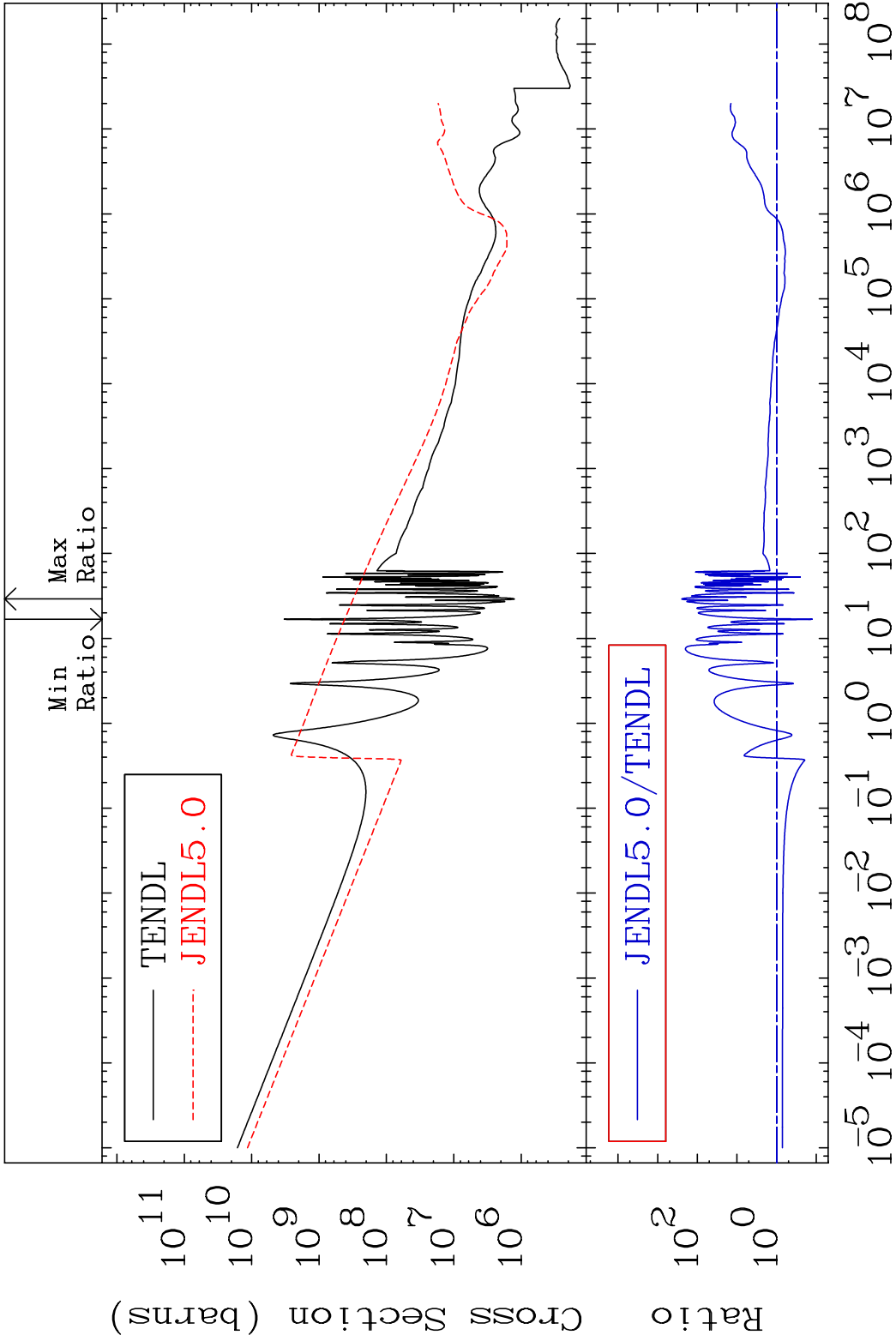


MAT 9352Kerma fission (mt18 or mt19-20-21-38)93-Np-239
Cross Section -99.83 To 1349. %



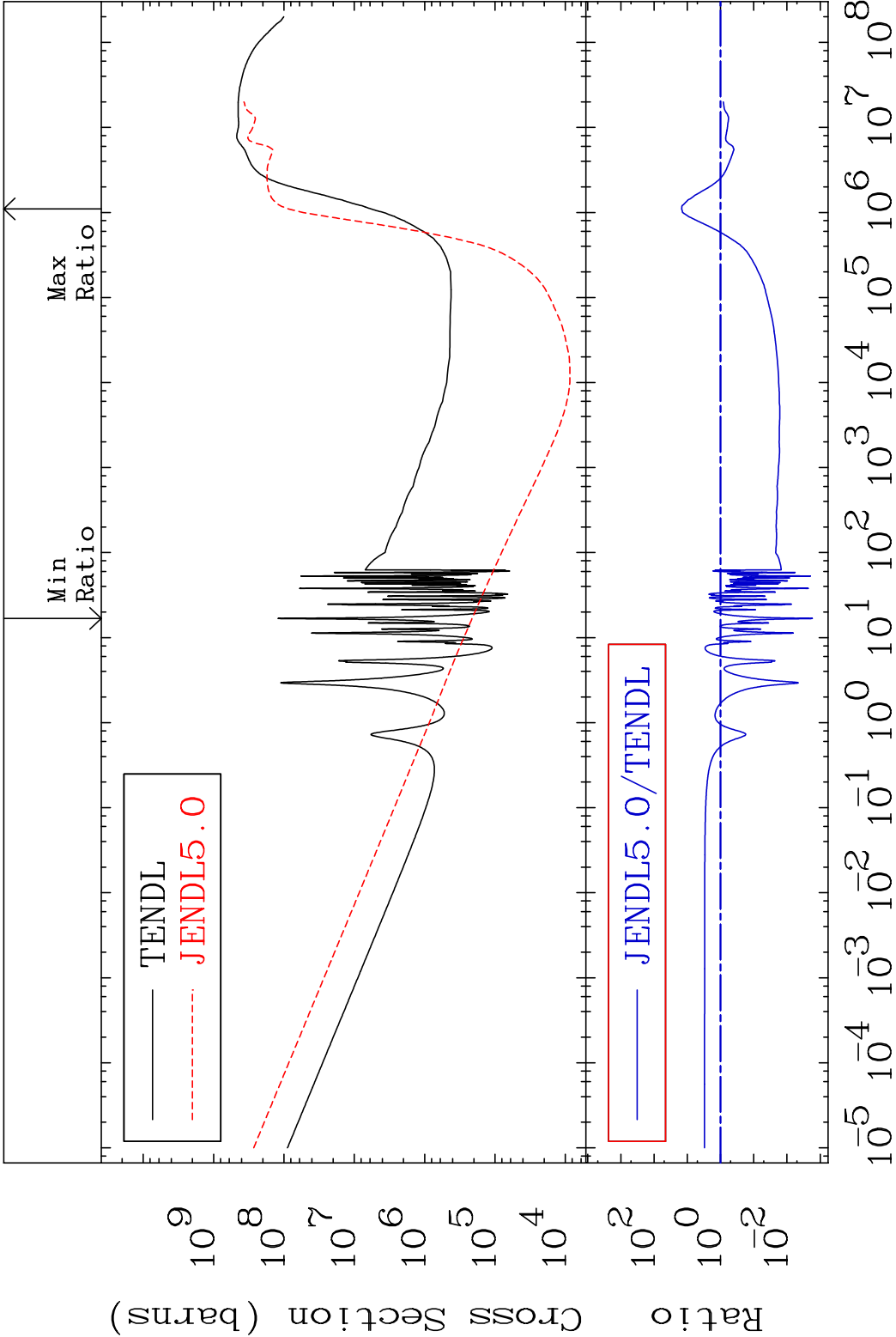


MAT 9352 Total photon (eV-barns) 93-Np-239
Cross Section -87.43 To 9999. %

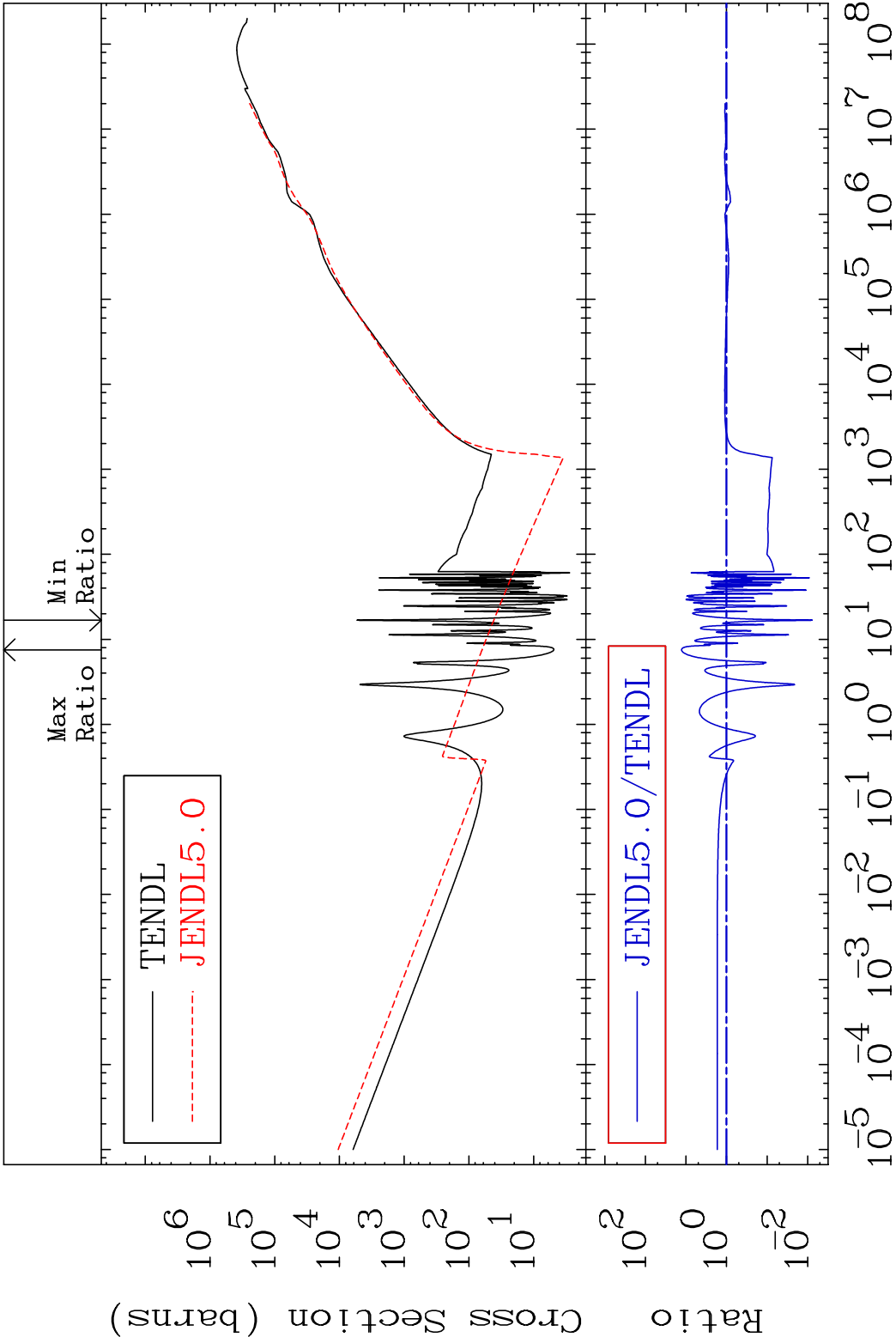


36 Incident Energy (eV) 93-Np-239

MAT 9352 Total kinematic kerma (high limit) 93-Np-239
Cross Section -99.83 To 1395. %

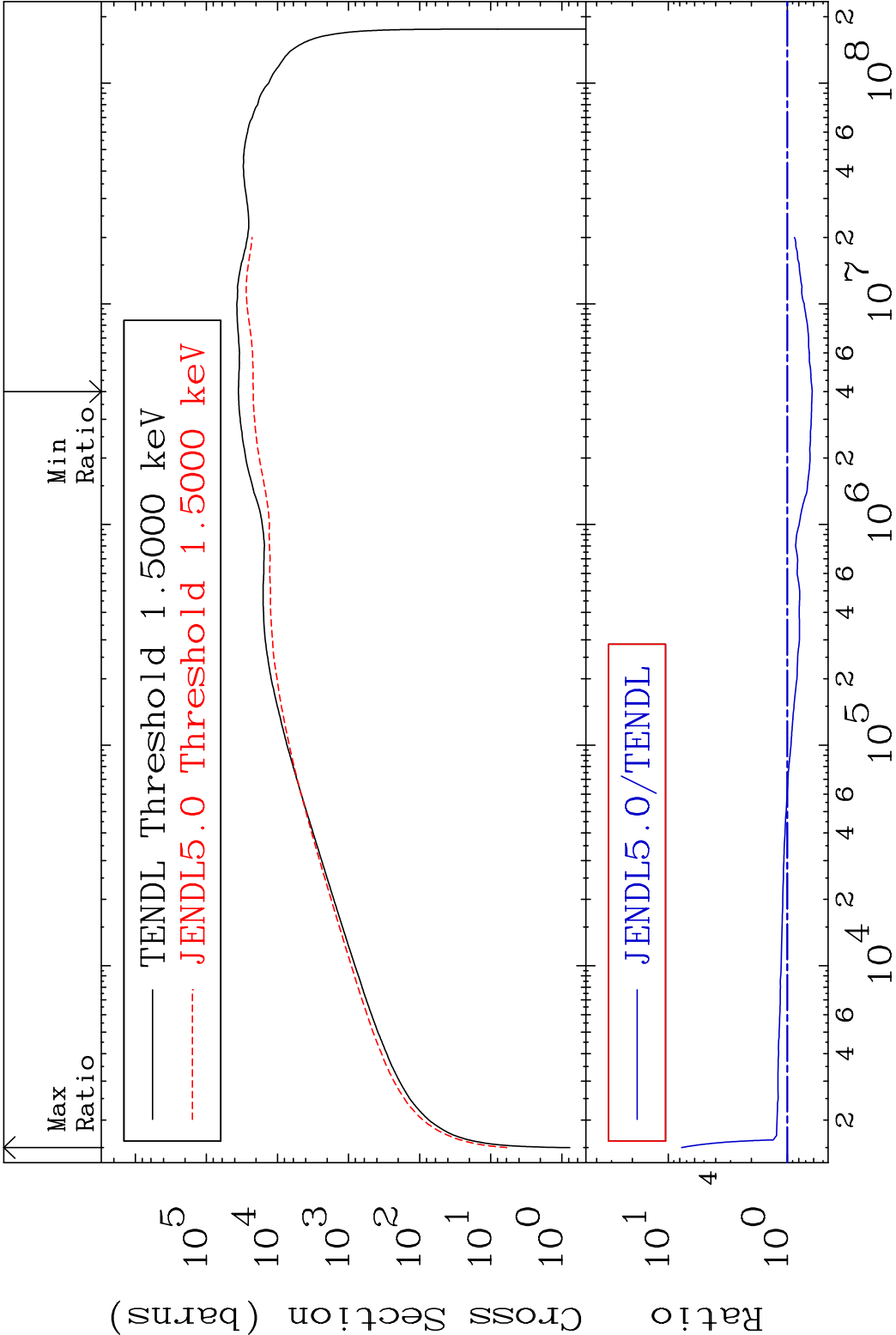


MAT 9352 Dpa total (eV-barns) 93-Np-239
 Cross Section -99.23 To 1187. %

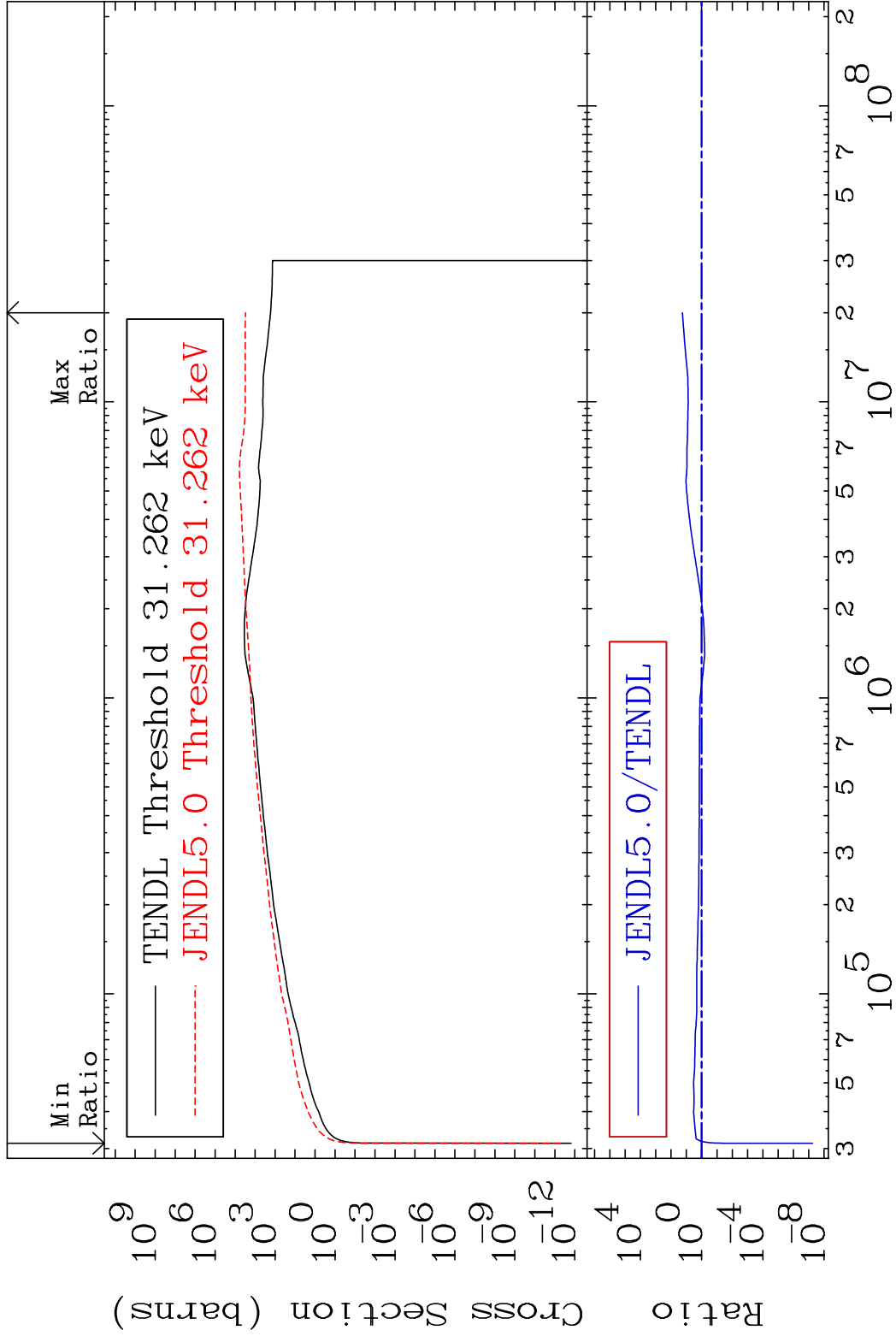


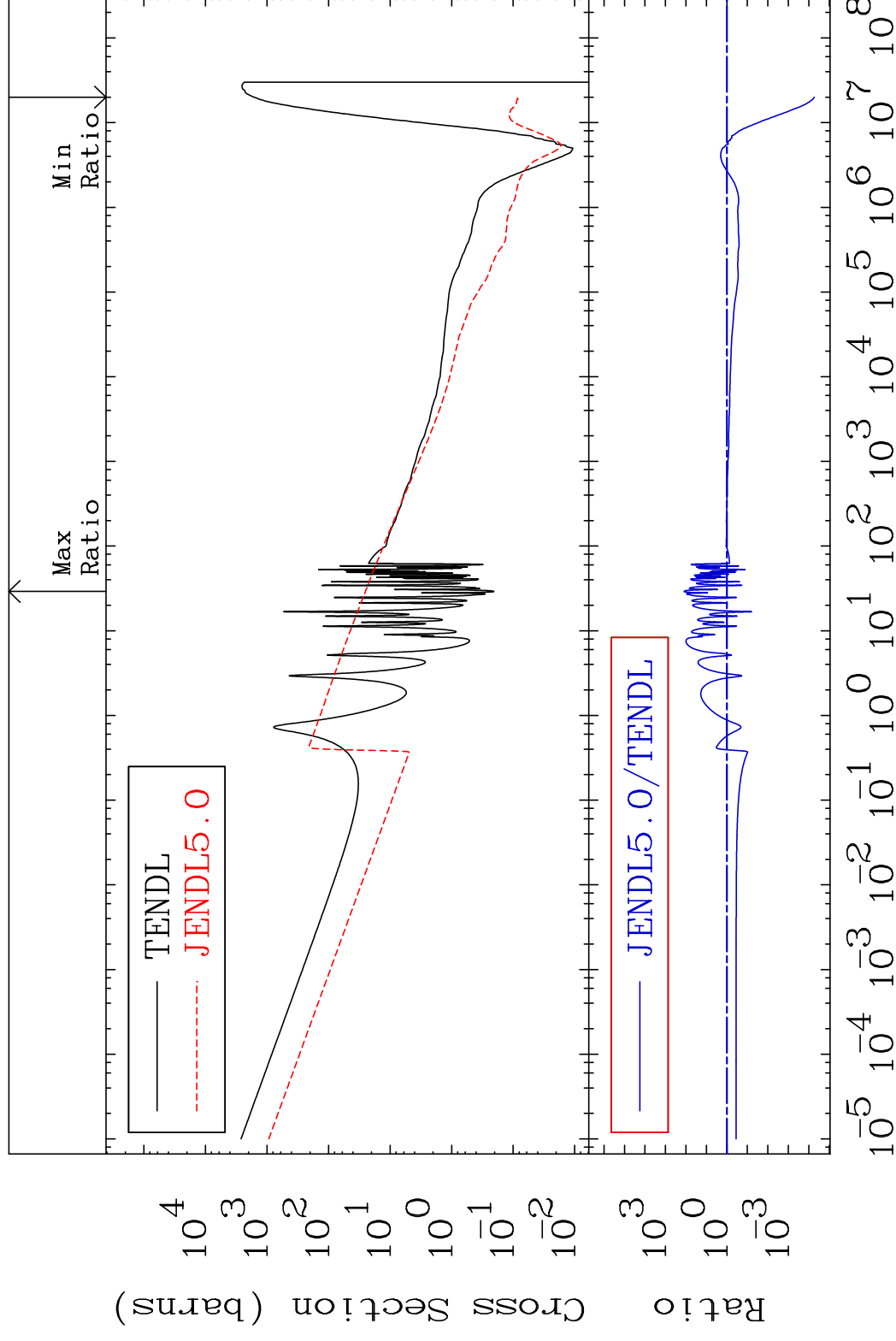
38 Incident Energy (eV) 93-Np-239

MAT 9352 Dpa elastic (mt2) 93-Np-239
Cross Section -38.36 To 673.5 %

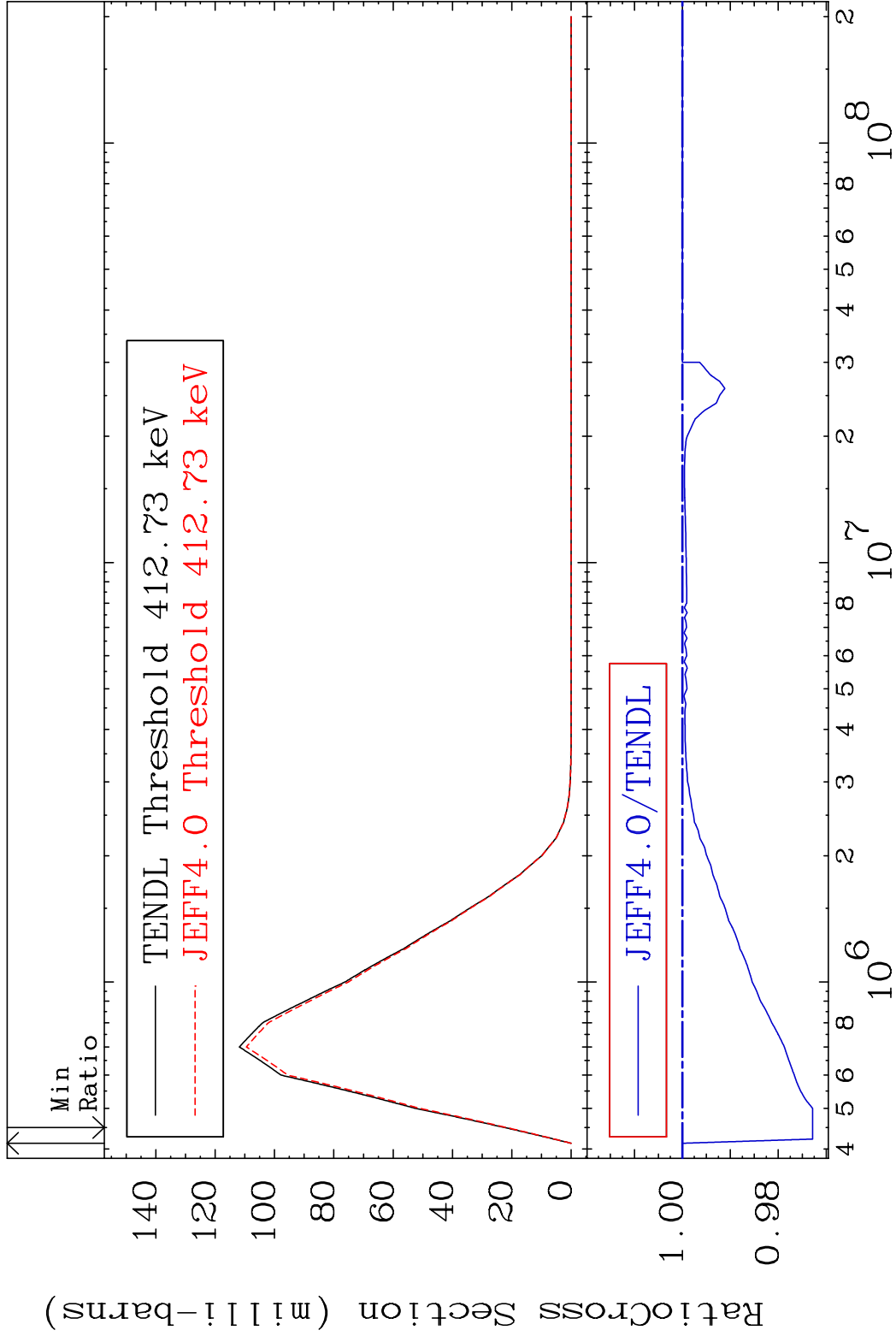


MAT 9352 Dpa inelastic (mt51-91) 93-Np-239
Cross Section -100.0 To 1720. %



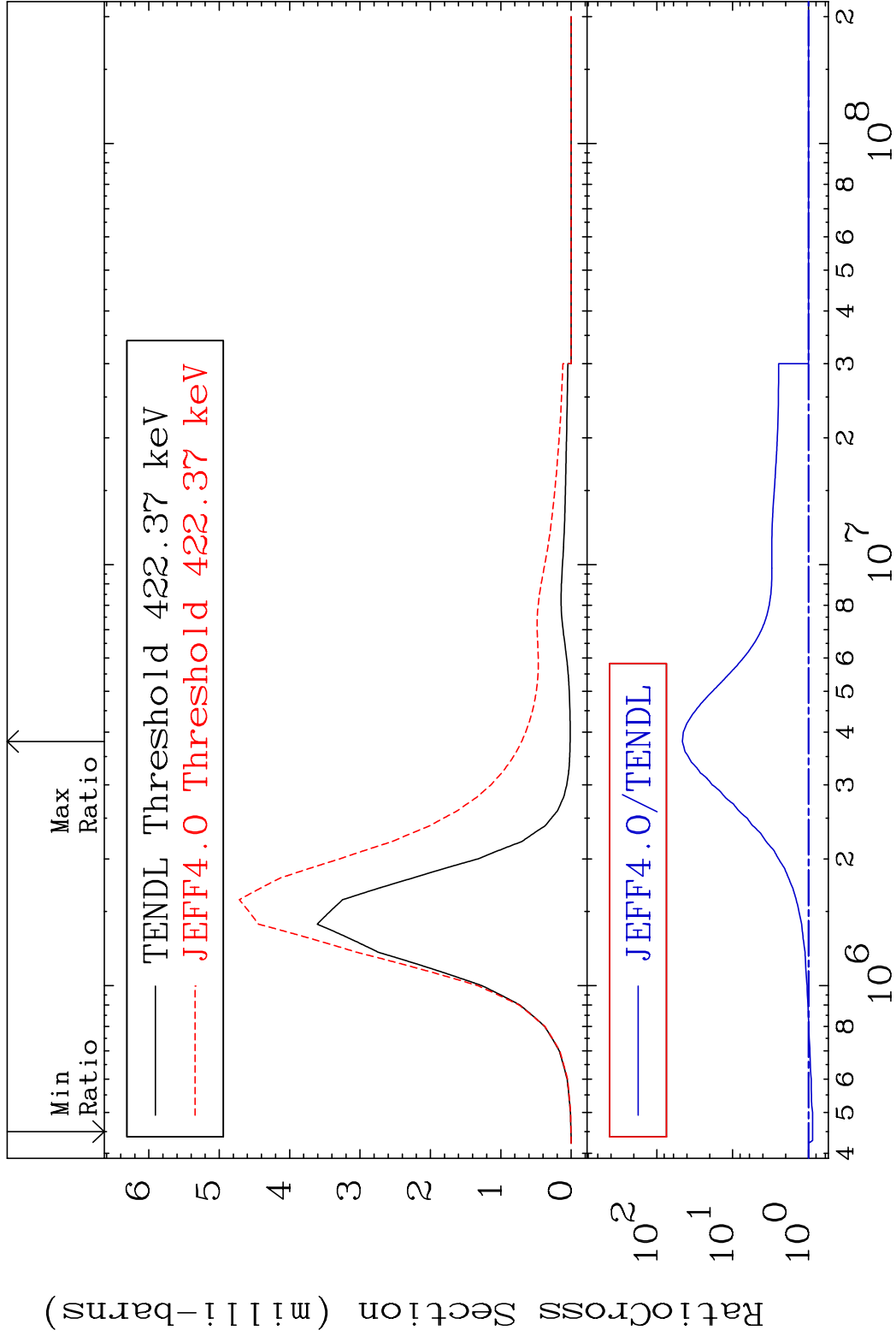


MAT 9352 MT= 69 (n,n') Level 93-Np-239
Cross Section -2.715 To 0.000 %

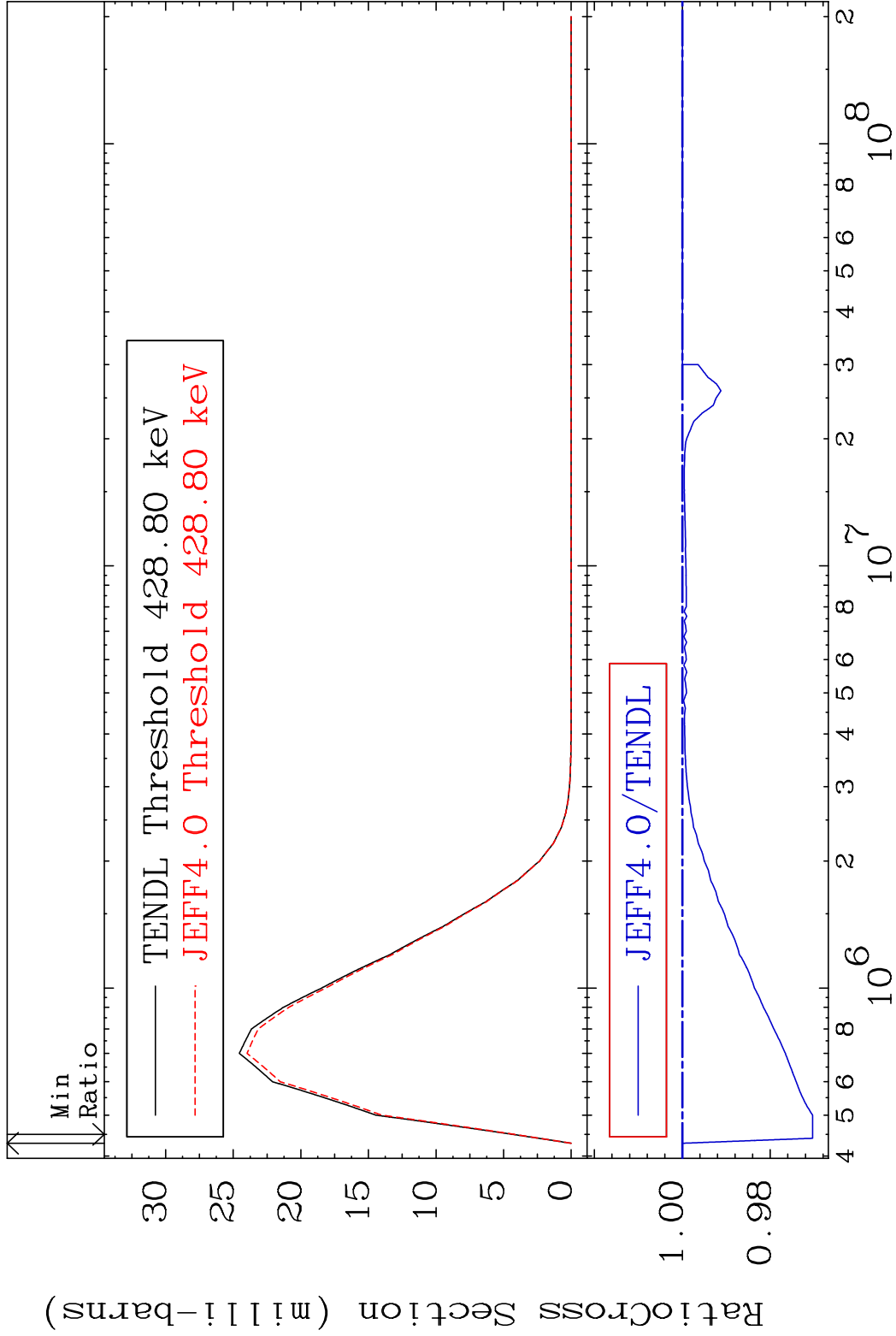


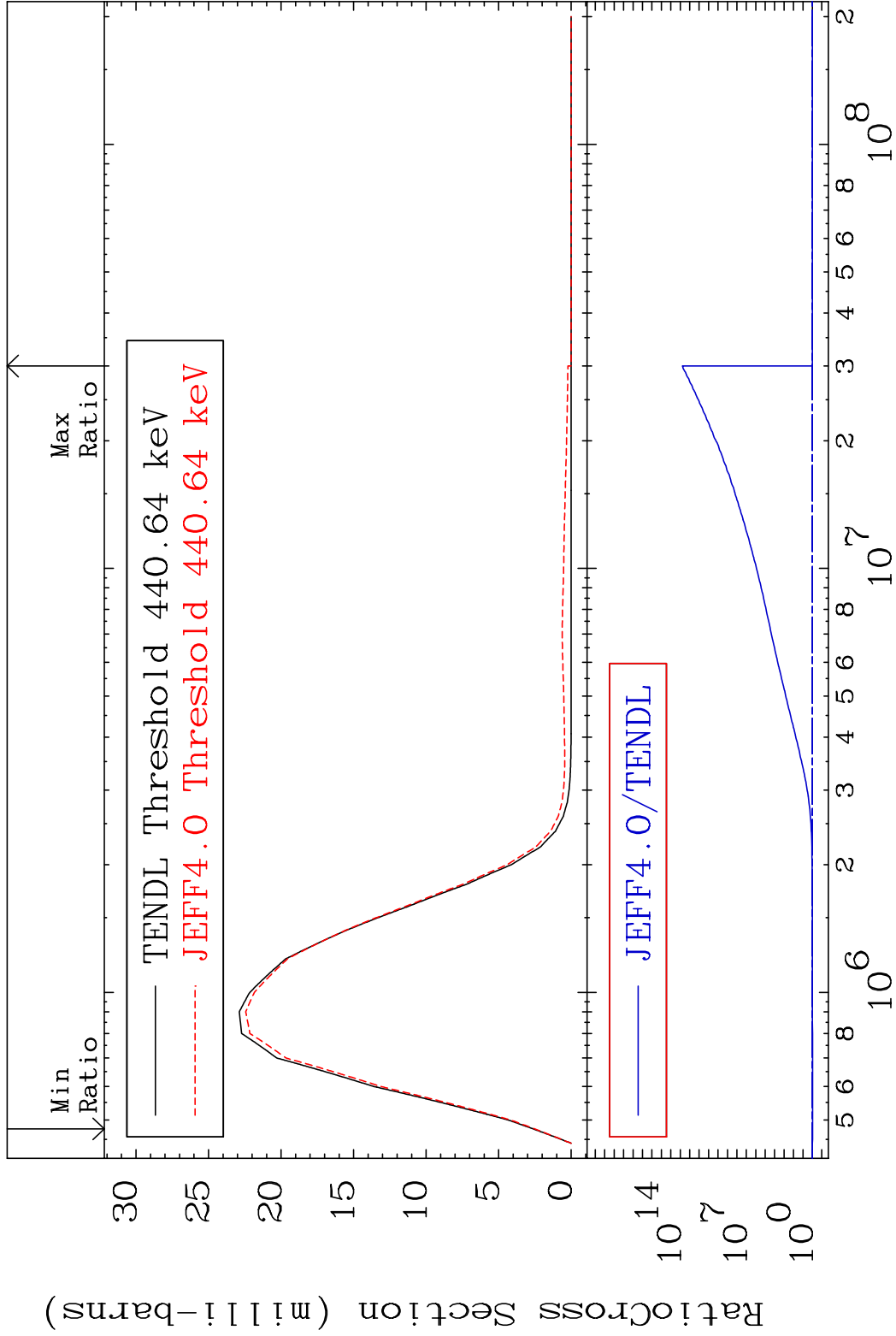
42 Incident Energy (eV) 93-Np-239

MAT 9352 MT= 70 (n,n') Level 93-Np-239
Cross Section -11.40 To 4500. %

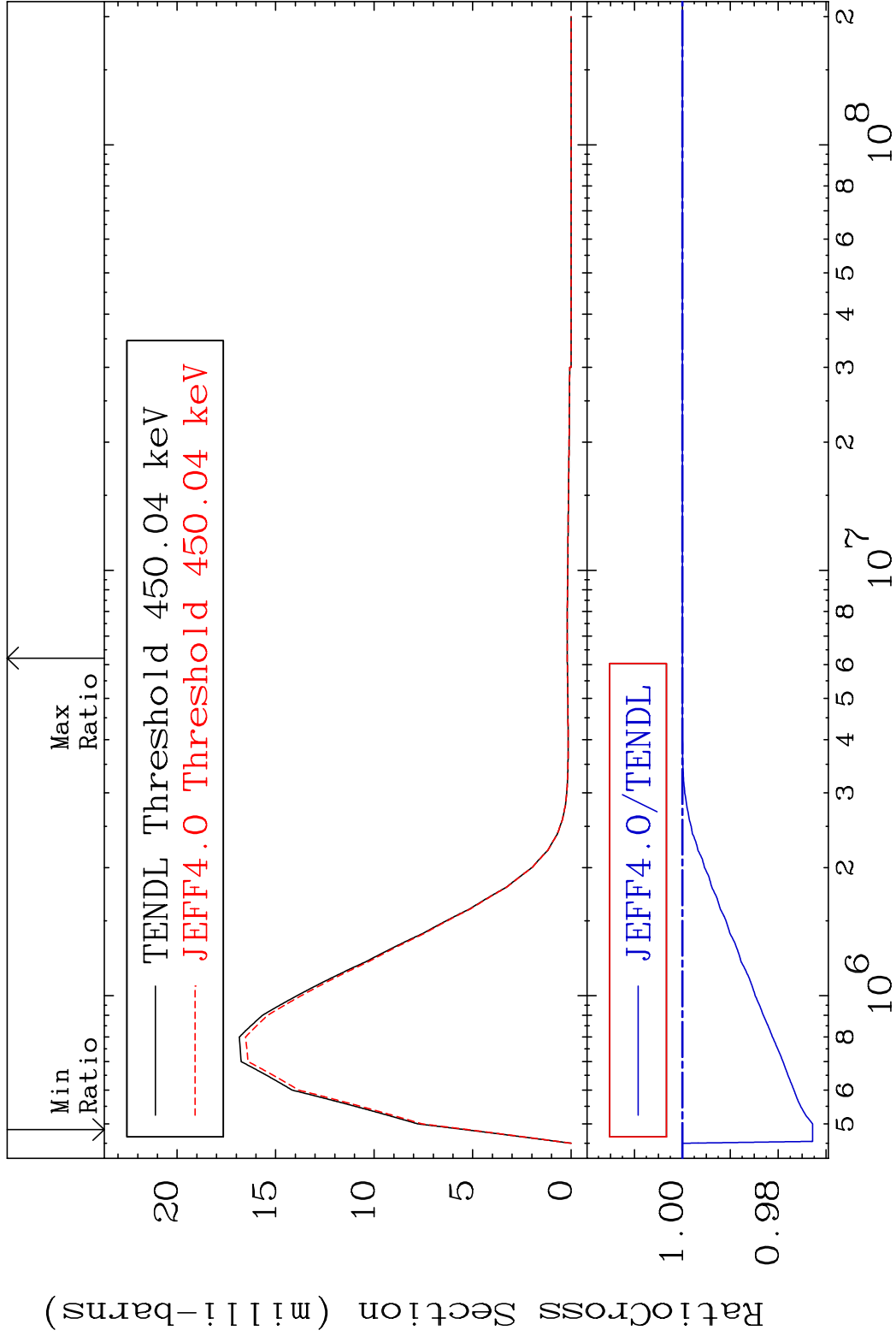


MAT 9352 MT= 71 (n,n') Level 93-Np-239
Cross Section -2.962 To 0.000 %

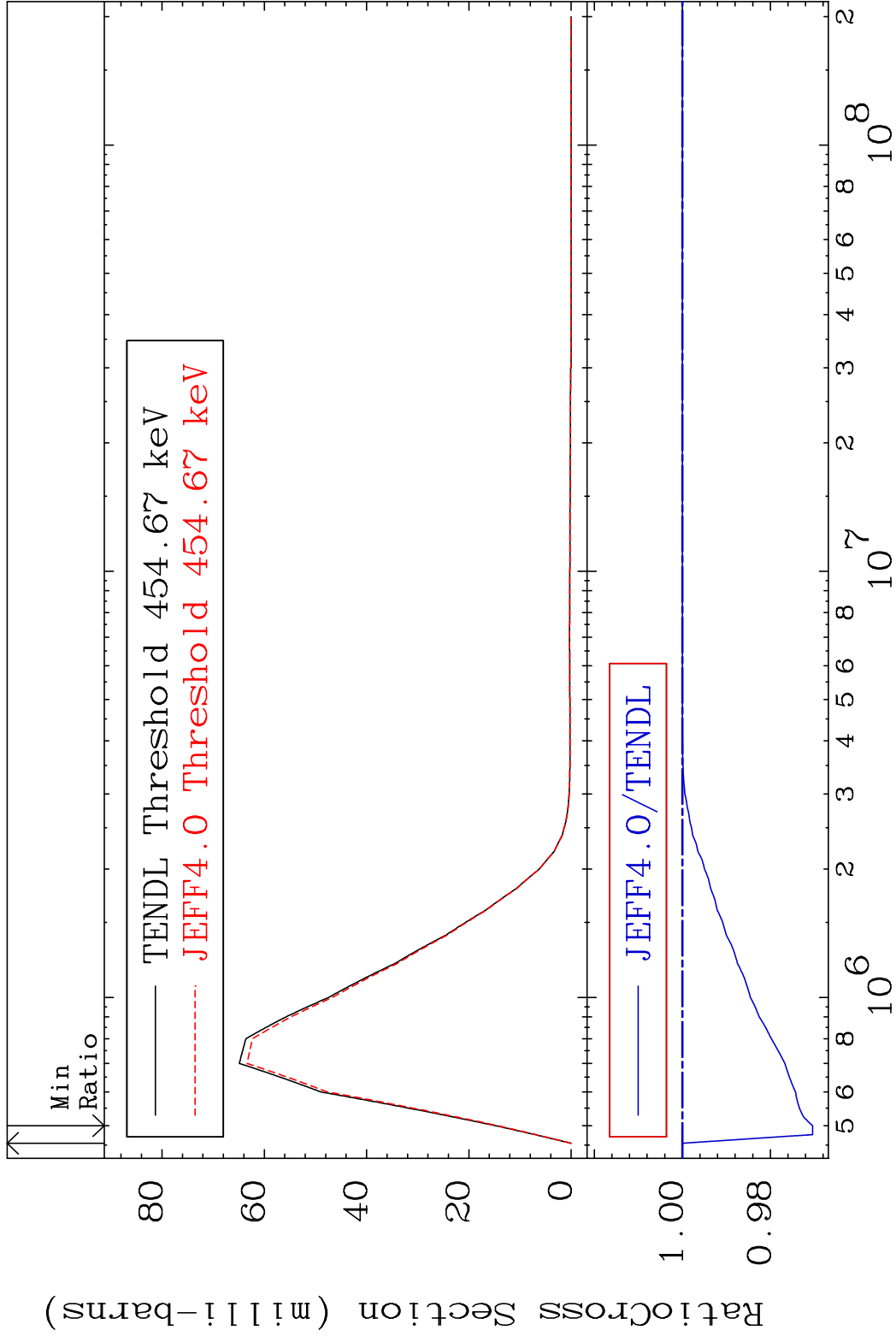




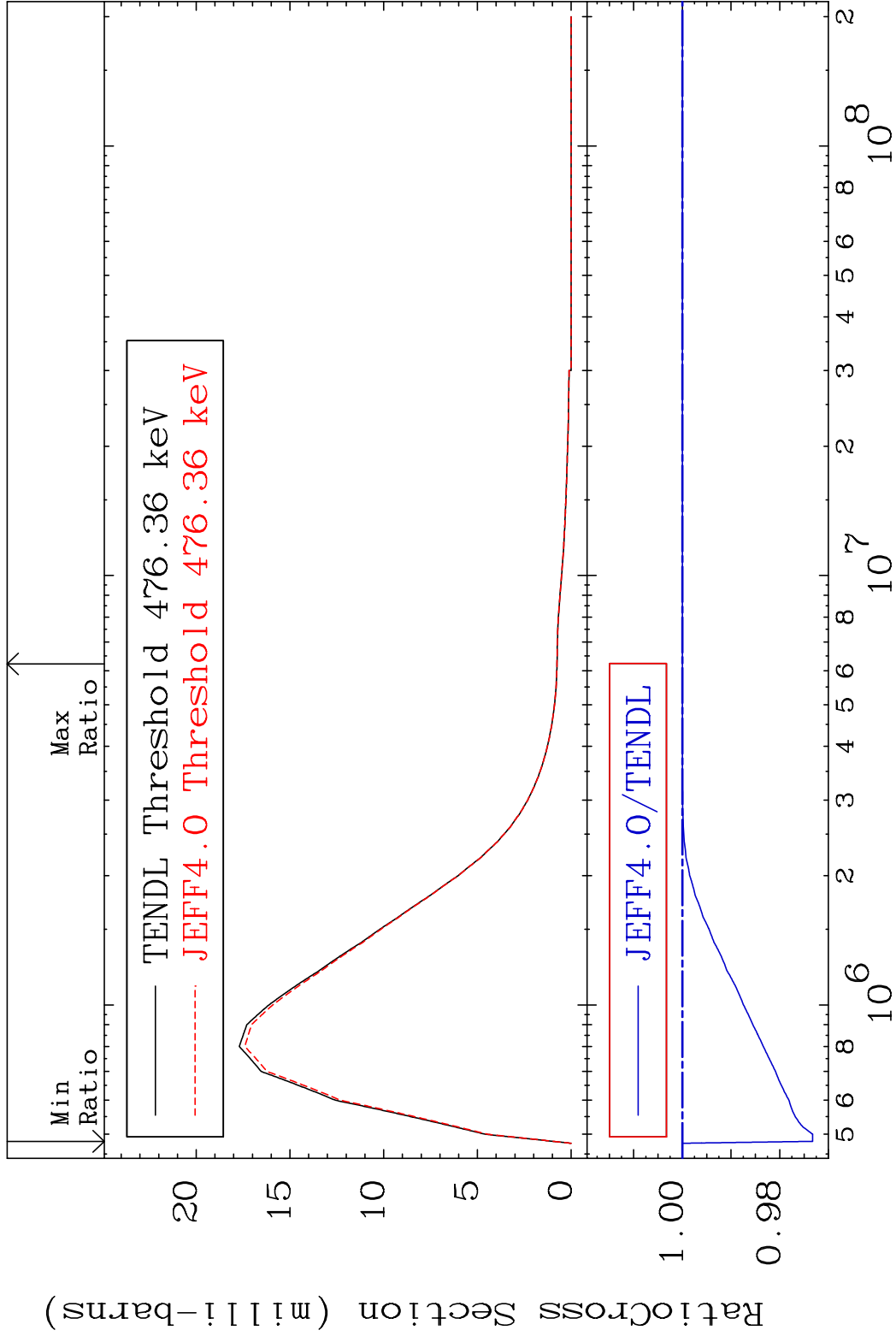
MAT 9352 MT= 73 (n,n') Level 93-Np-239
Cross Section -2.717 To 0.000 %



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 %



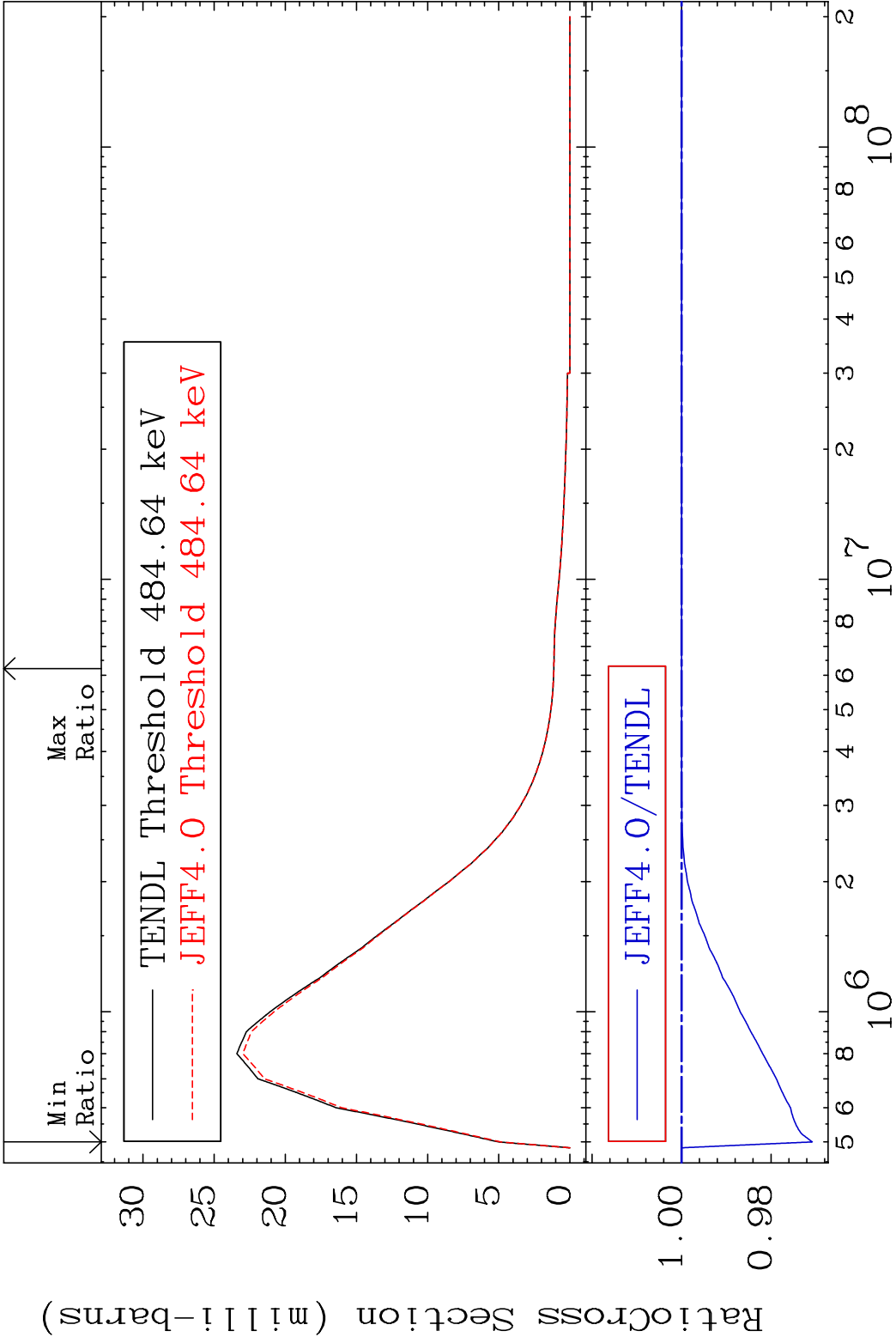
MAT 9352

MT= 76 (n,n') Level

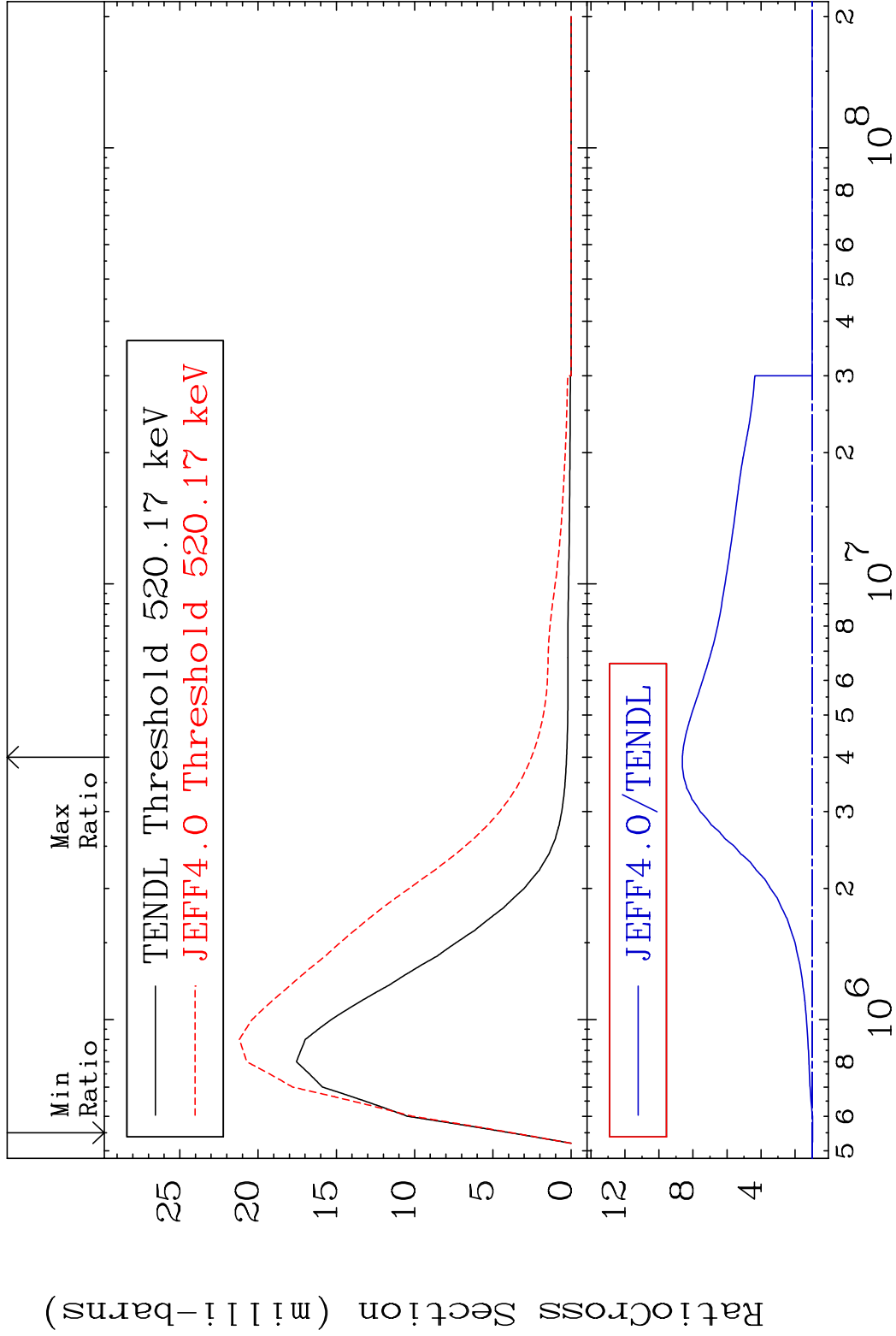
93-Np-239

Cross Section

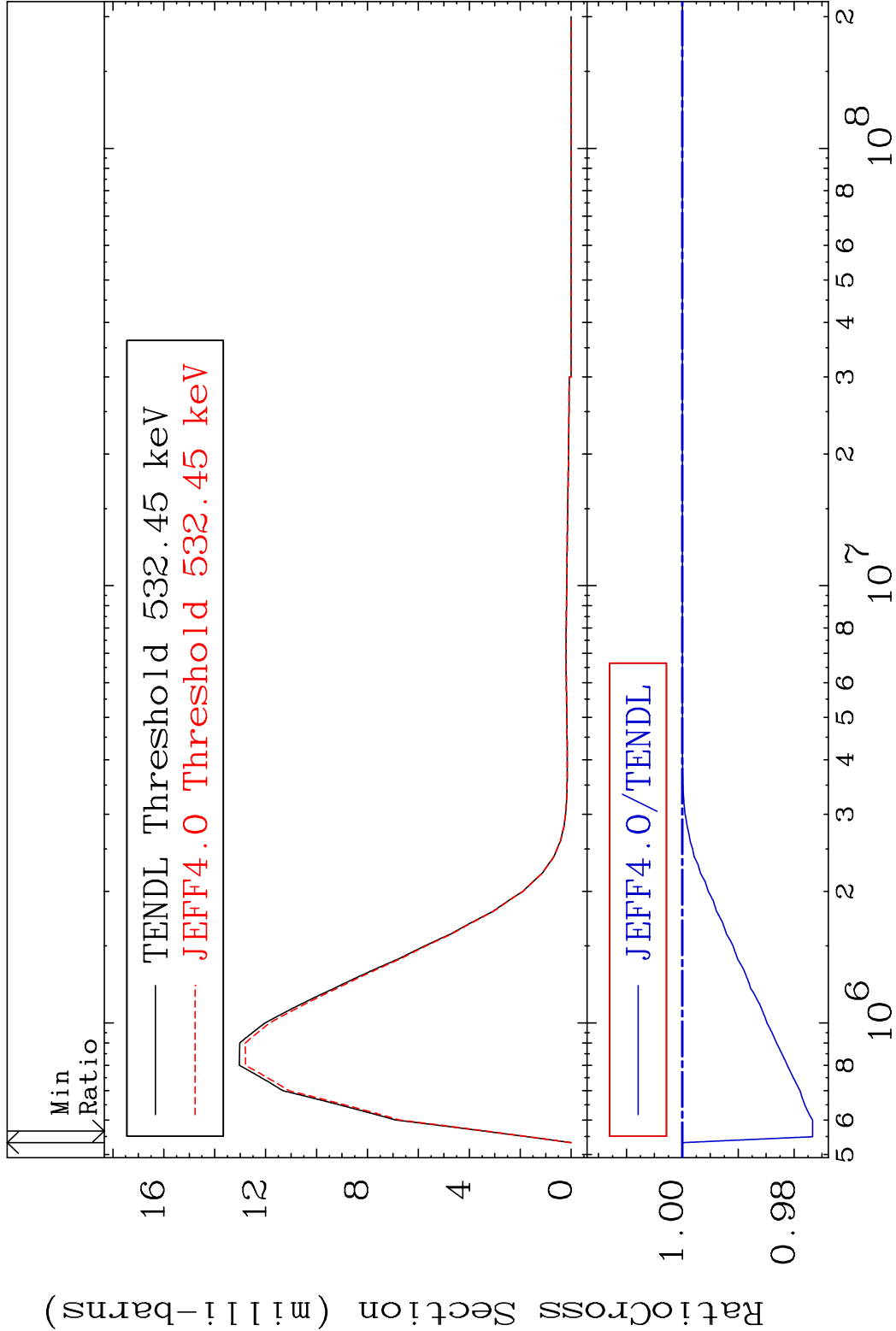
-2.922 To 0.000 %

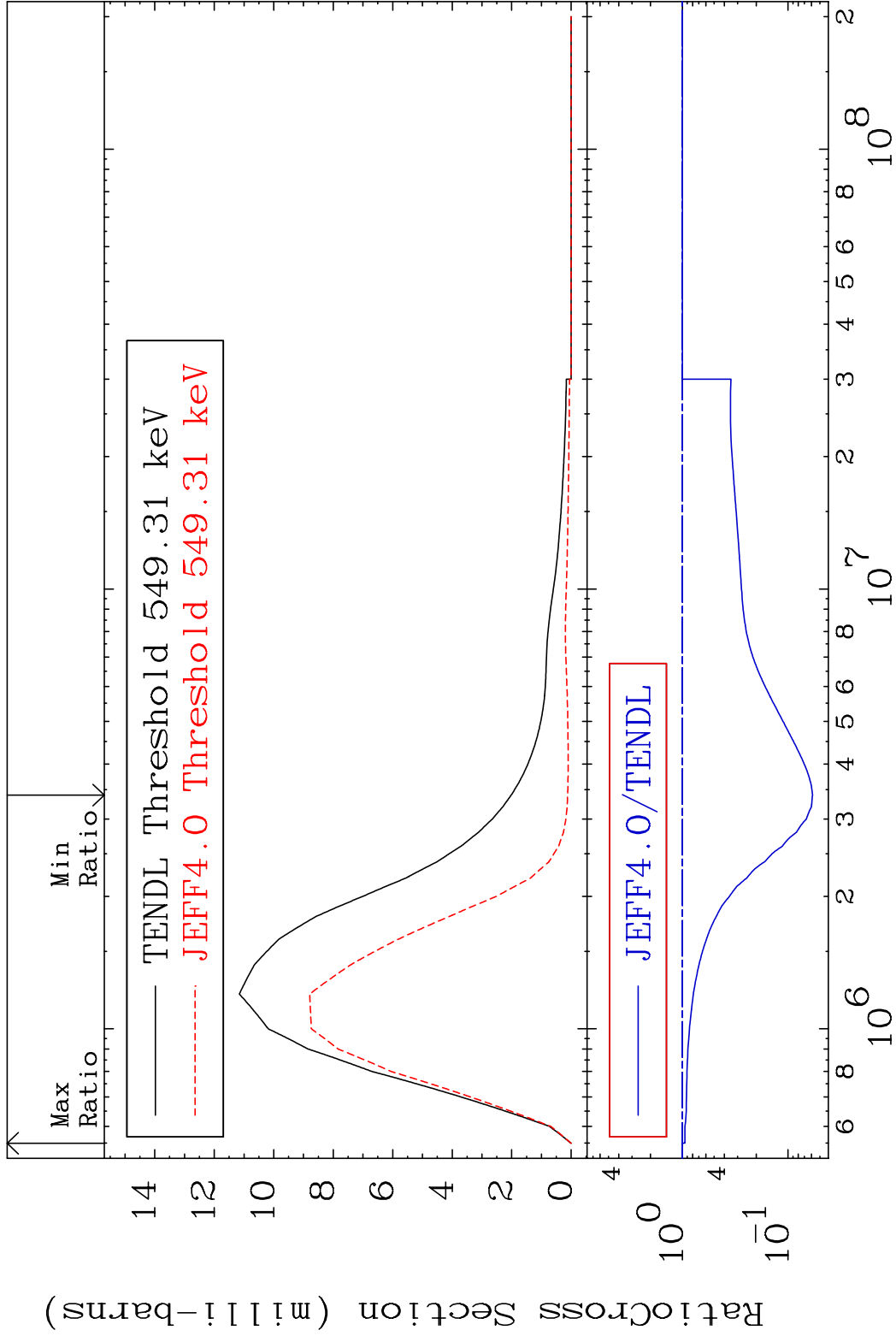


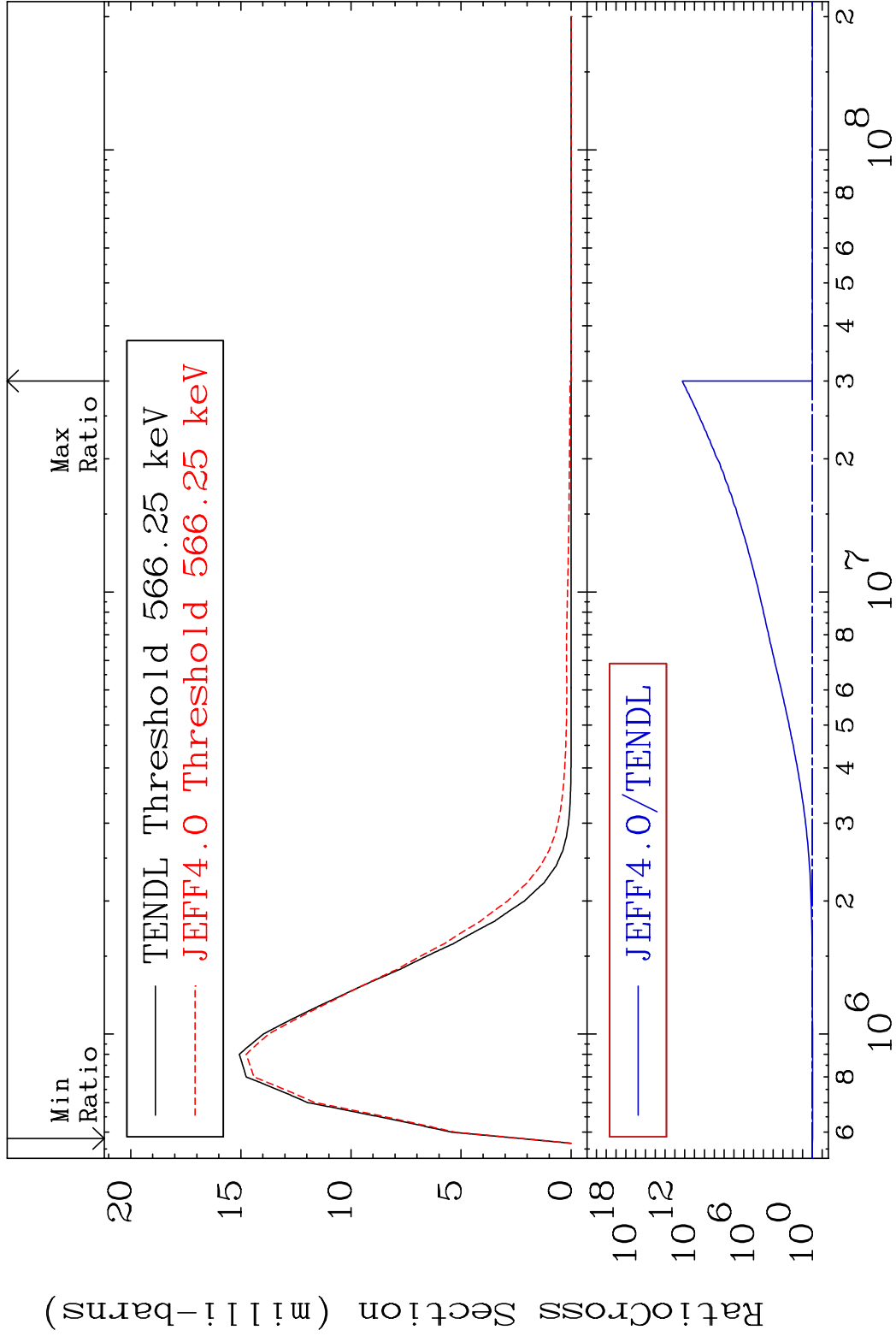
MAT 9352 MT= 77 (n,n') Level 93-Np-239
Cross Section -3.002 To 762.5 %

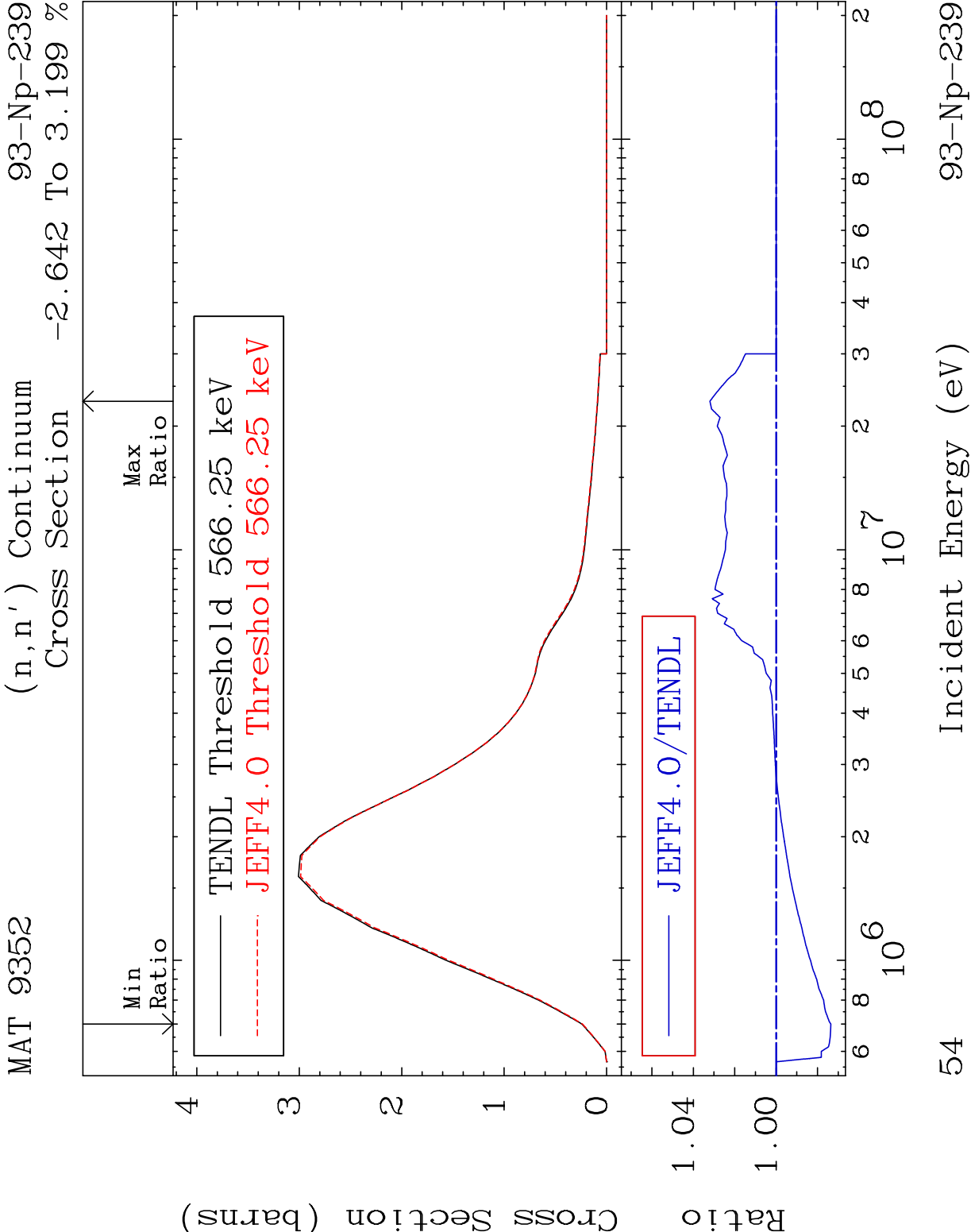


MAT 9352 MT= 78 (n,n') Level 93-Np-239
 Cross Section -2.331 To 0.000 %







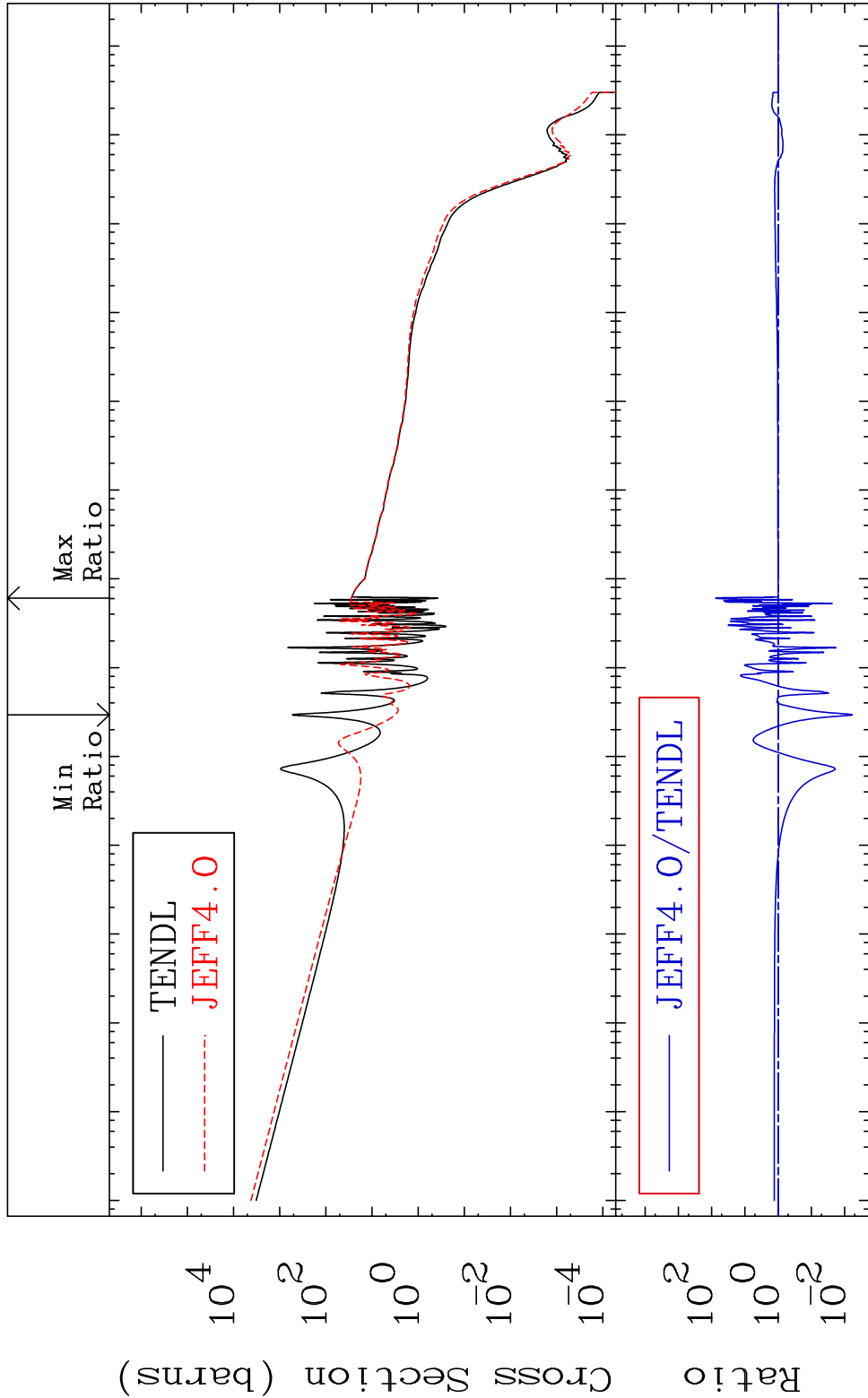


MAT 9352

(n, γ)

93-Np-239

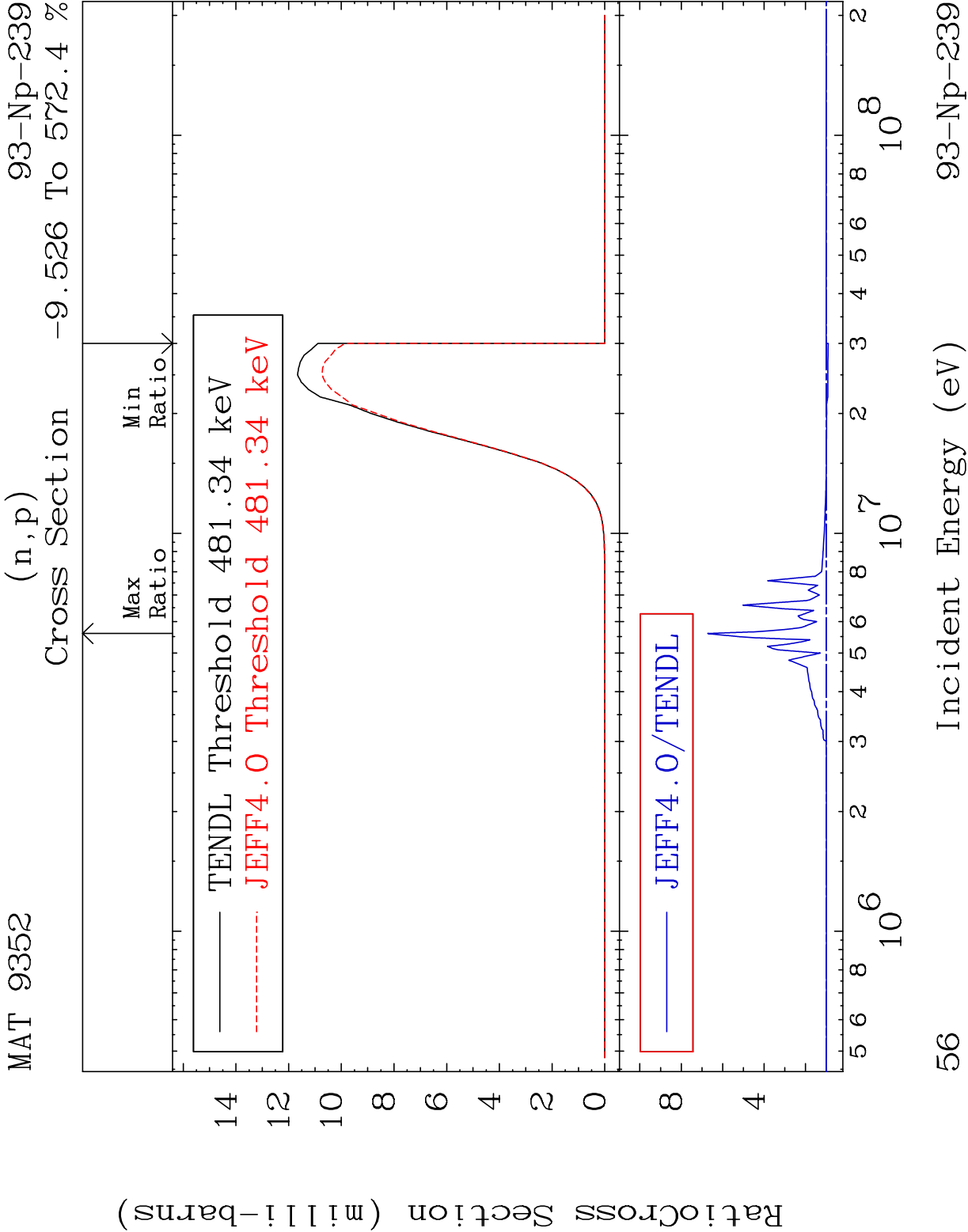
Cross Section -99.41 To 7454. %

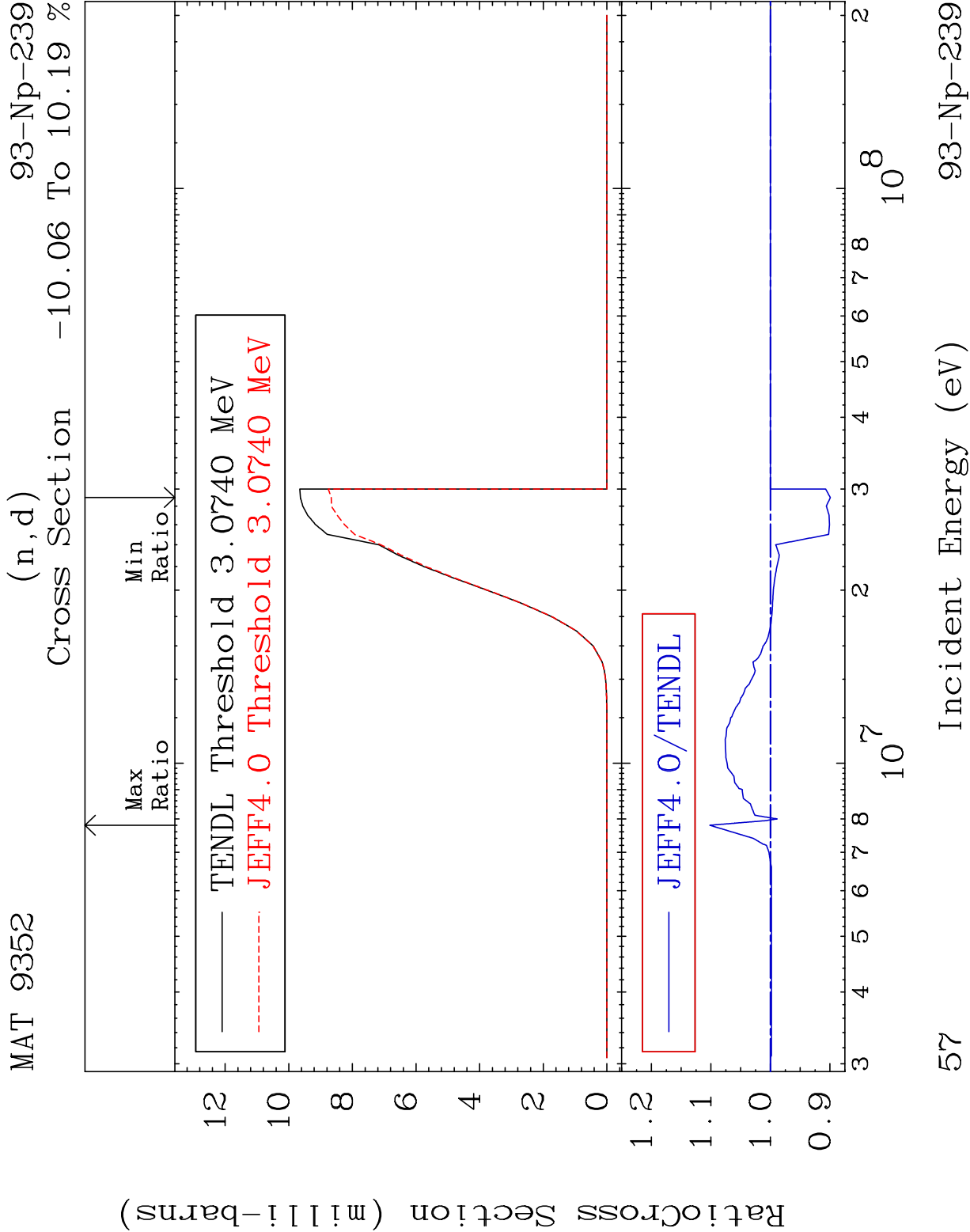


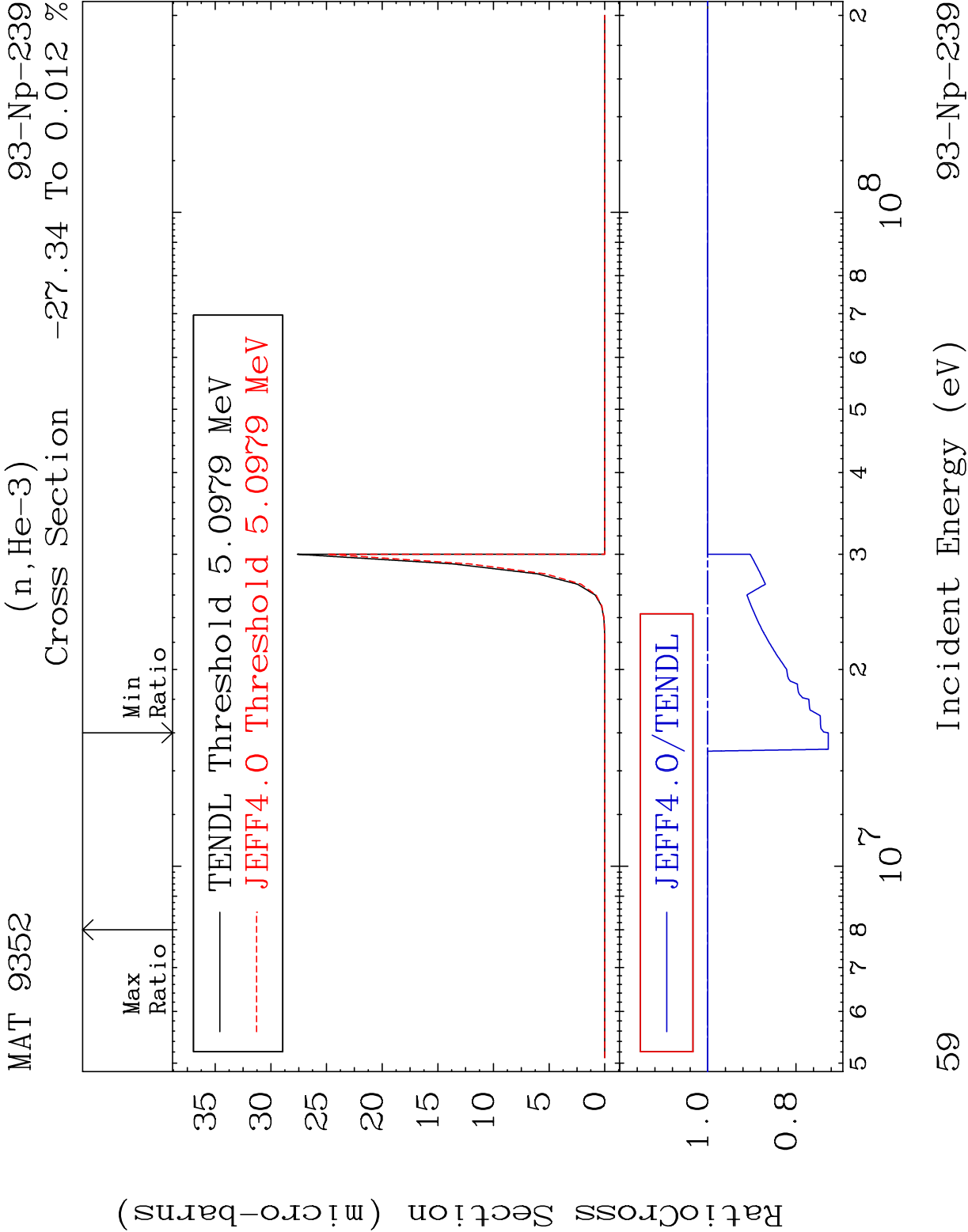
55

Incident Energy (eV)

93-Np-239



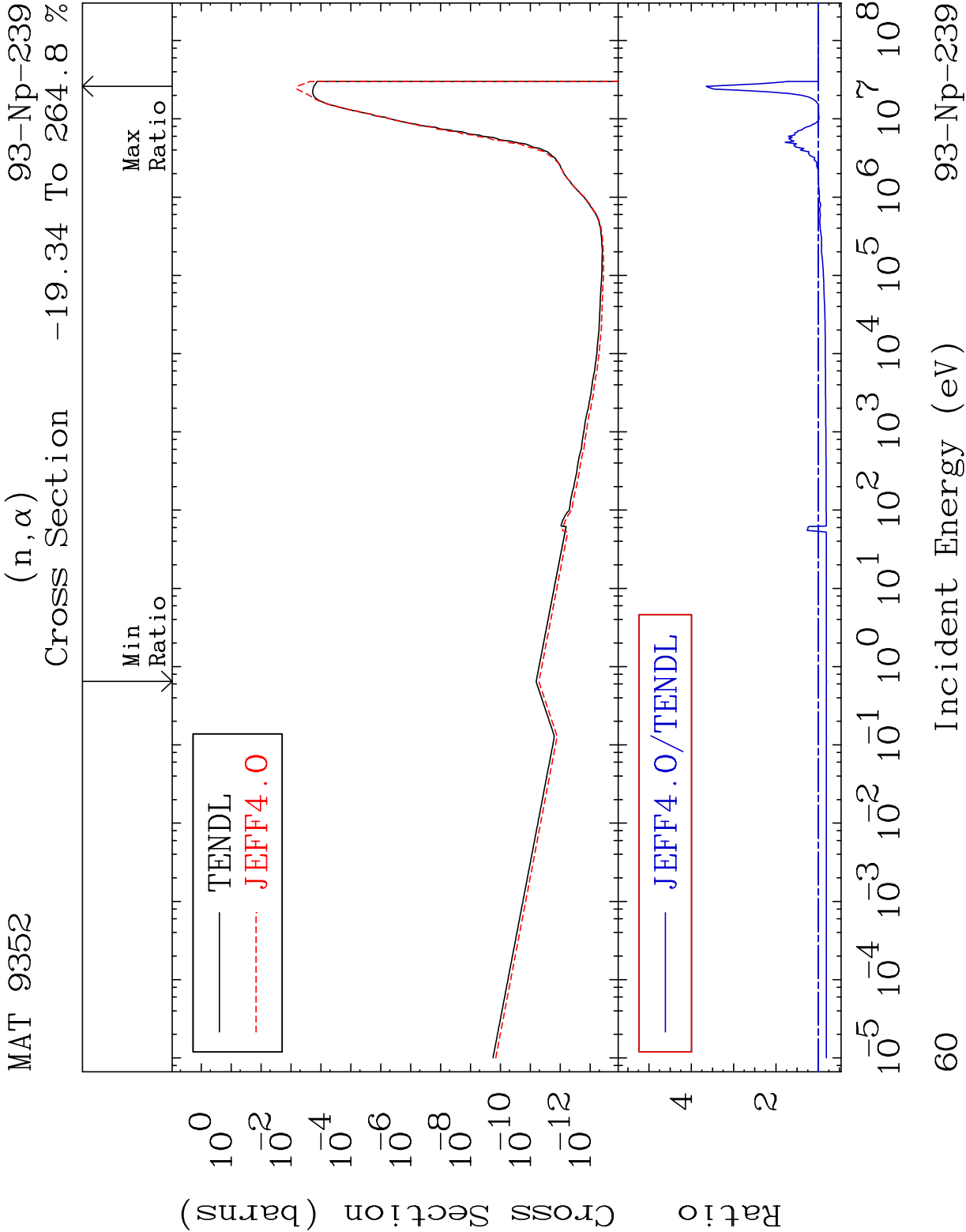


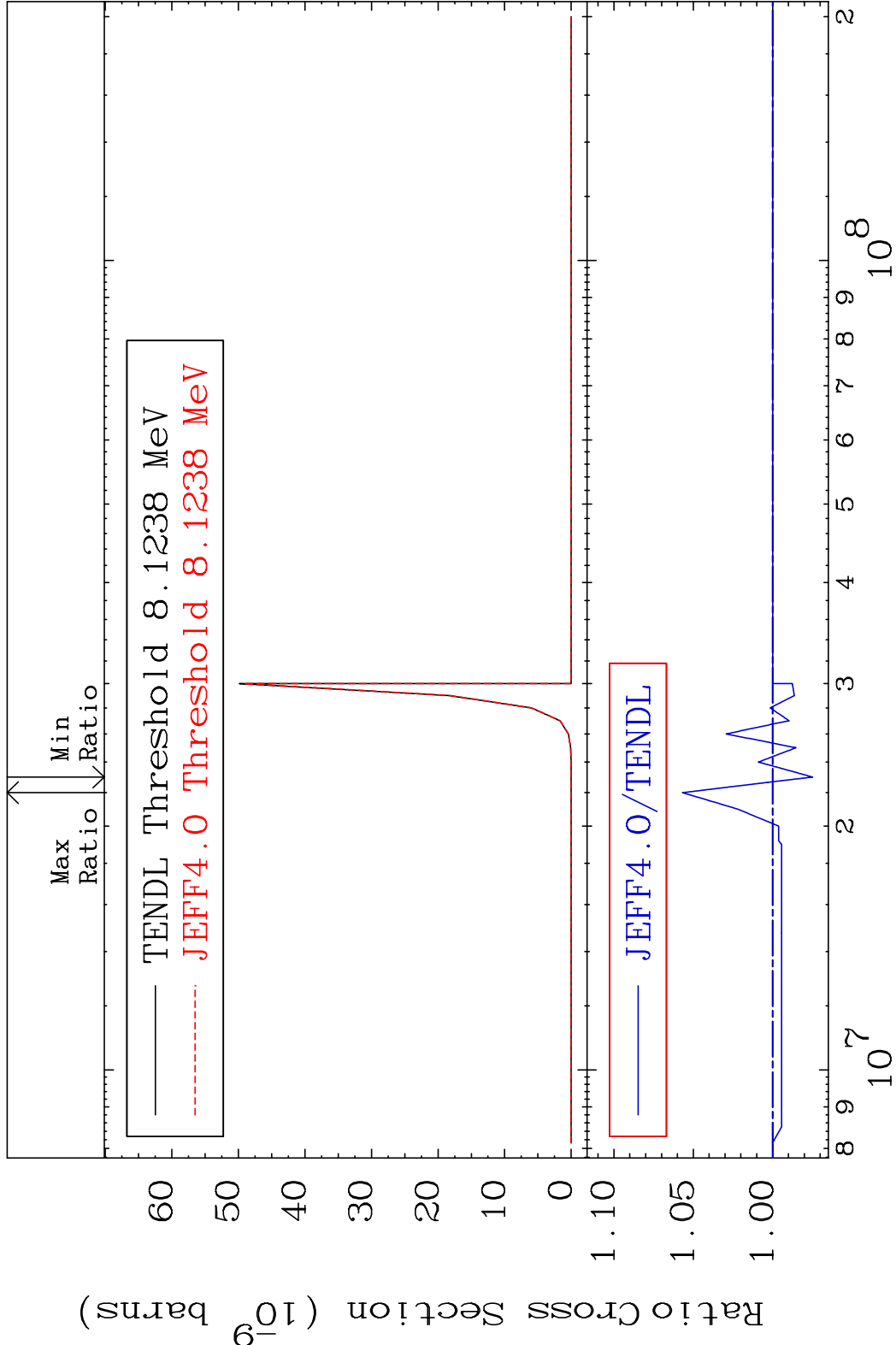


59

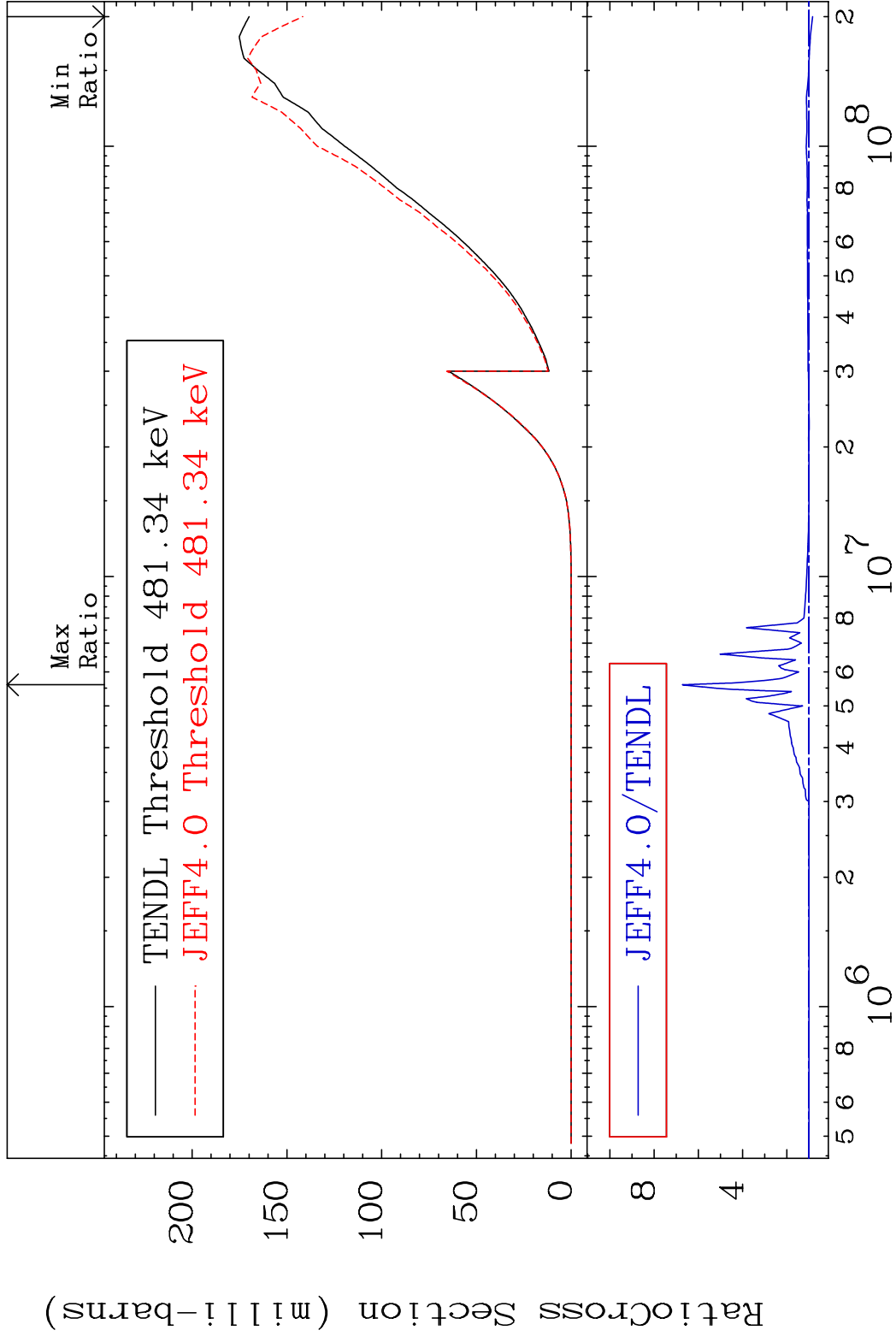
Incident Energy (eV)

93-Np-239

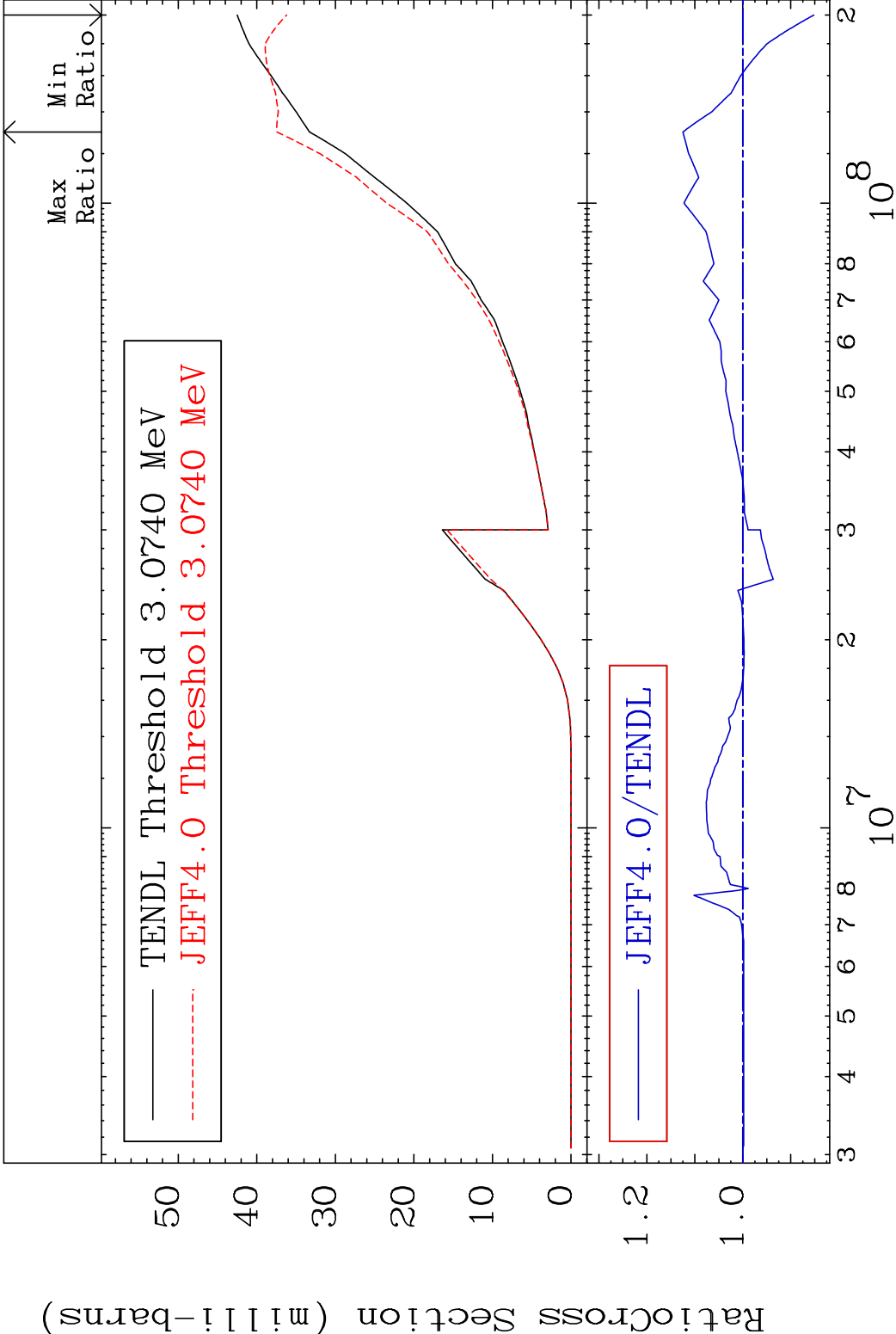


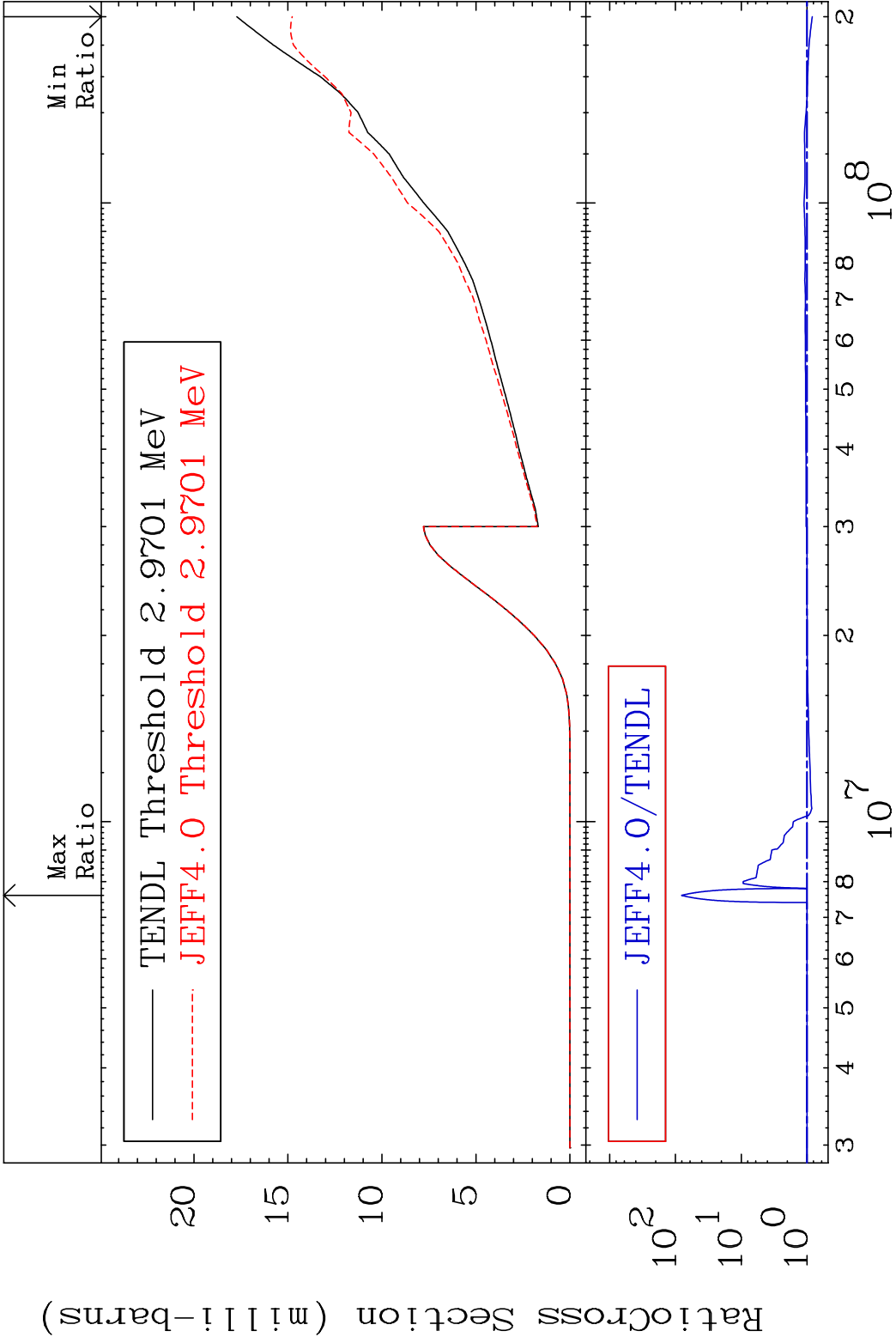


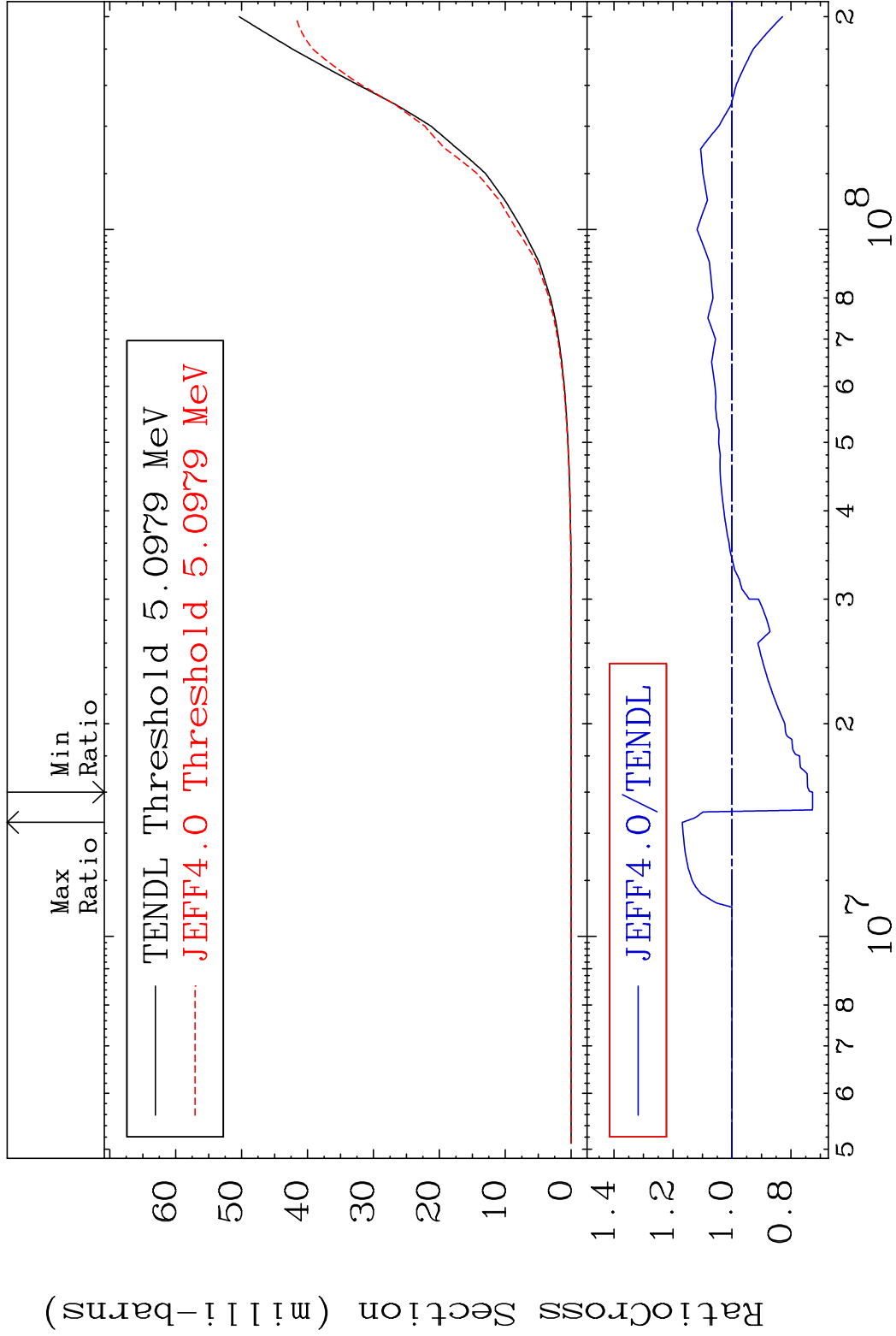
MAT 9352 Hydrogen Production ⁹³Np-239
Cross Section -16.65 To 572.4 %

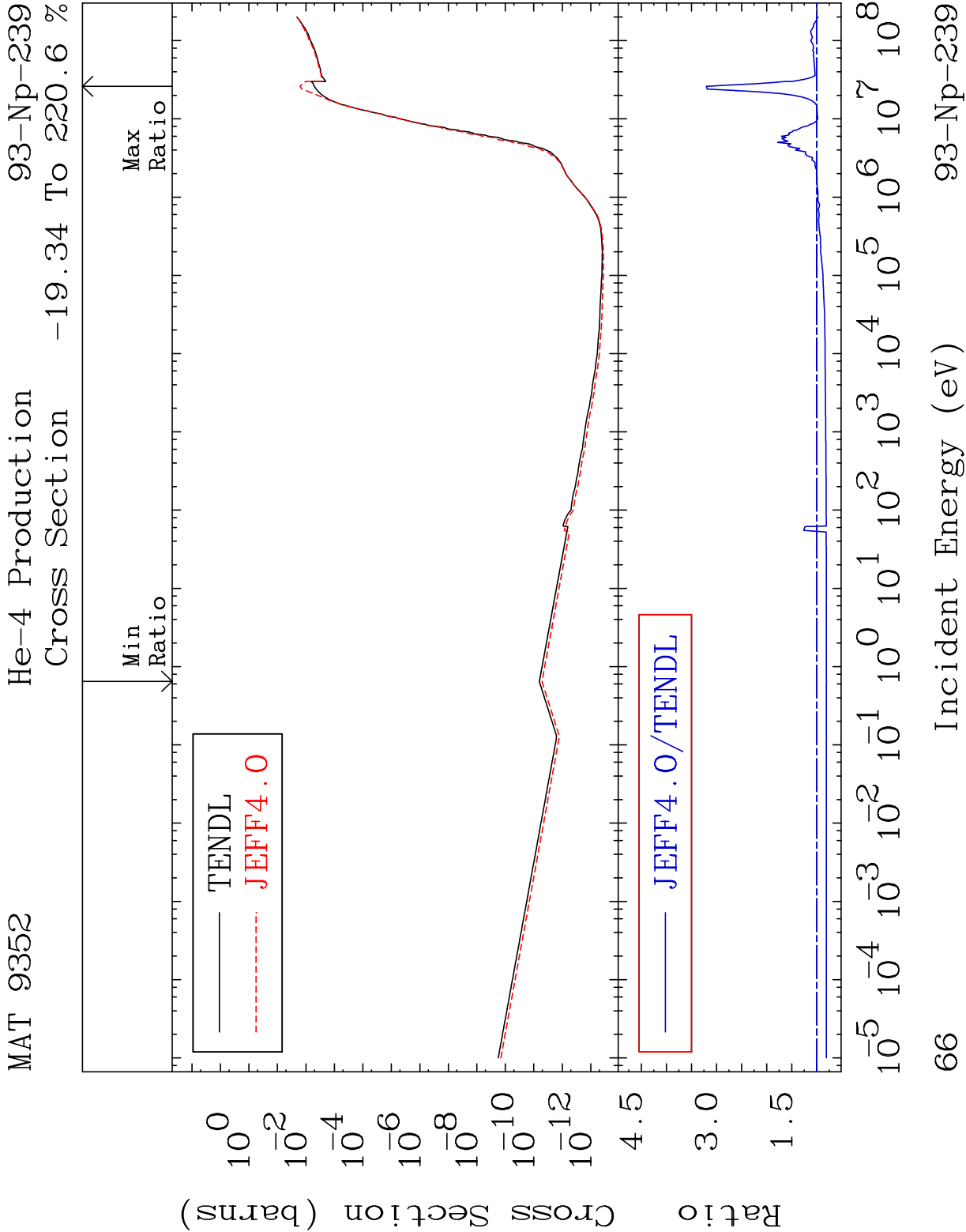


Cross Section -14.80 To 12.50 %

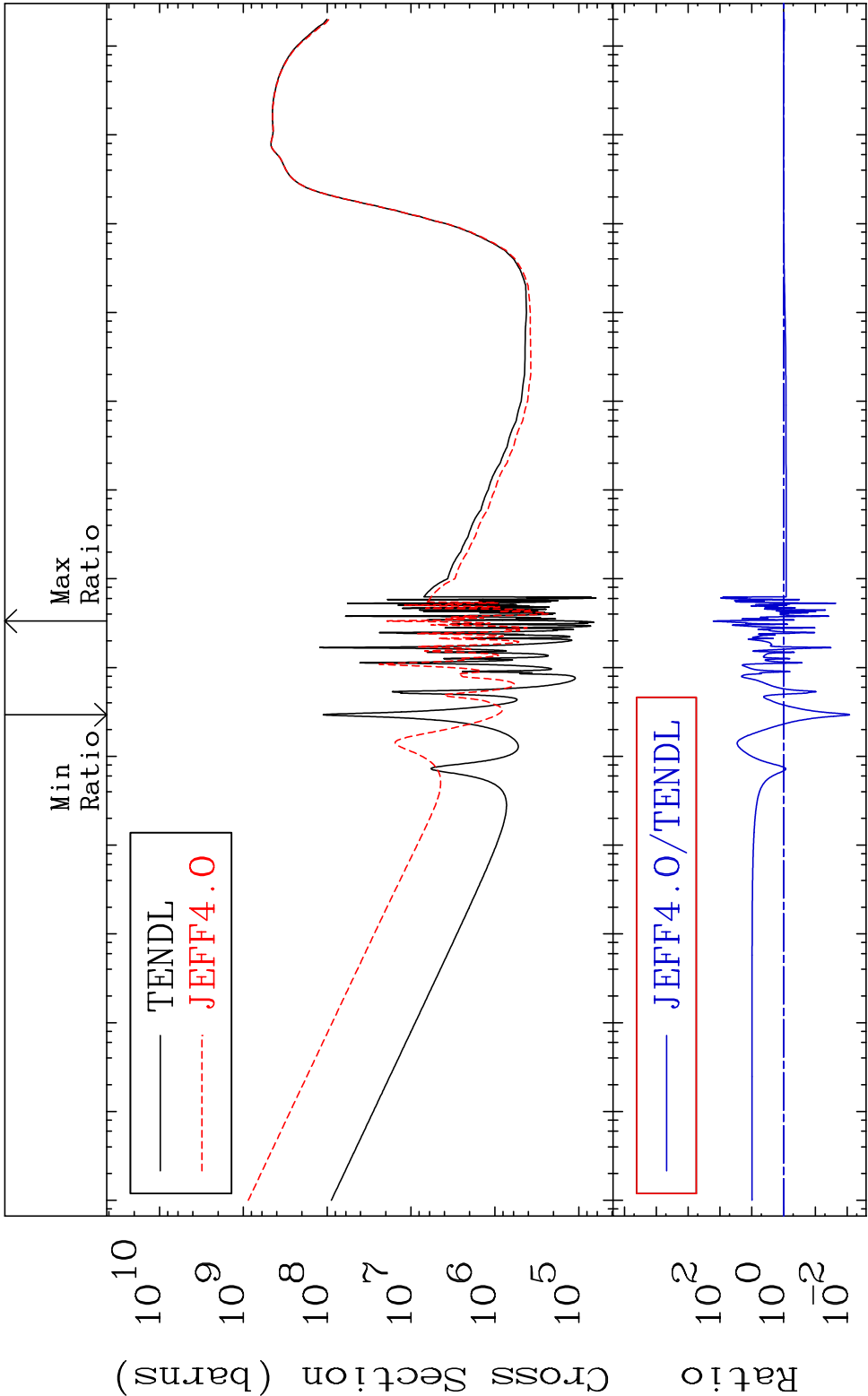


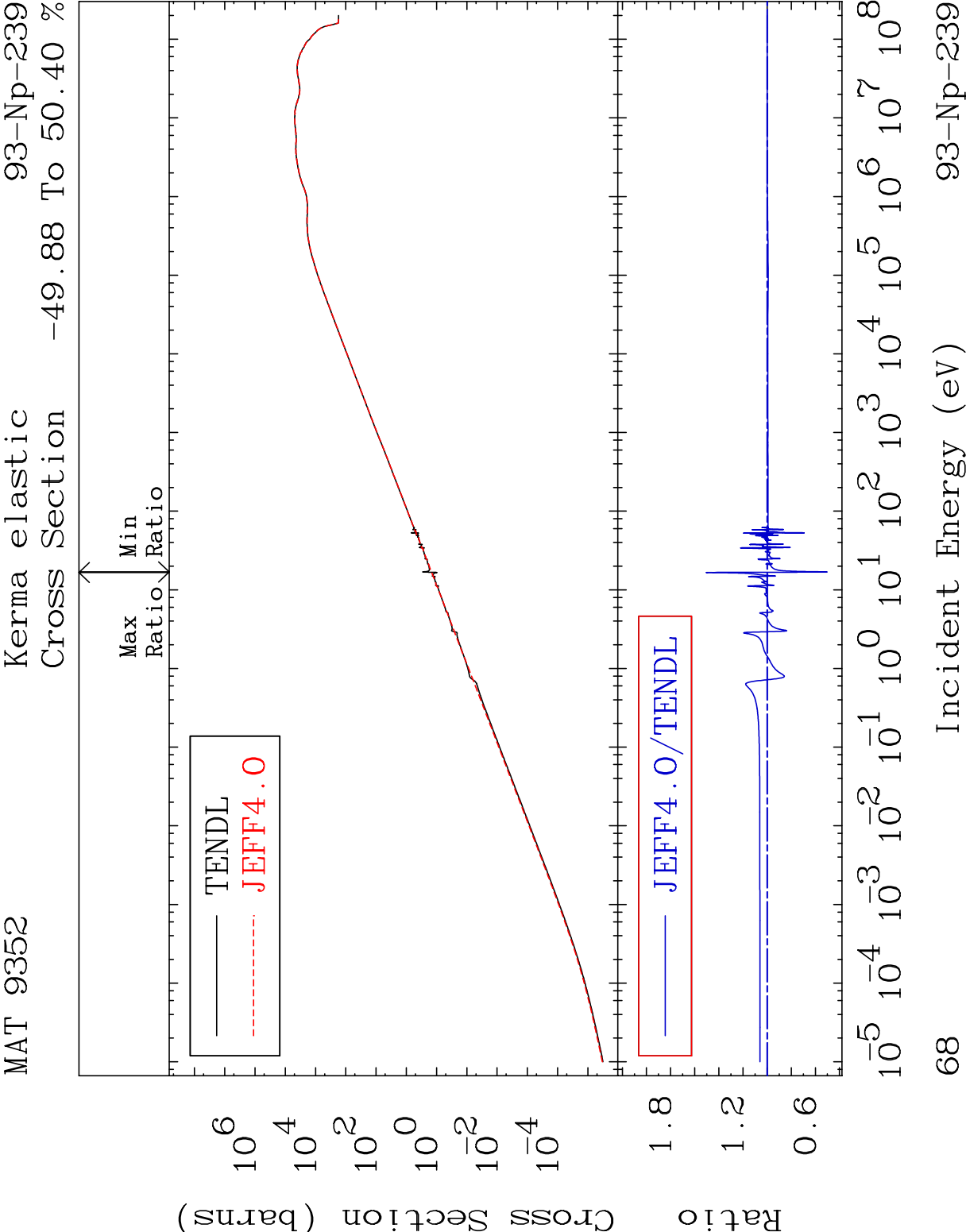


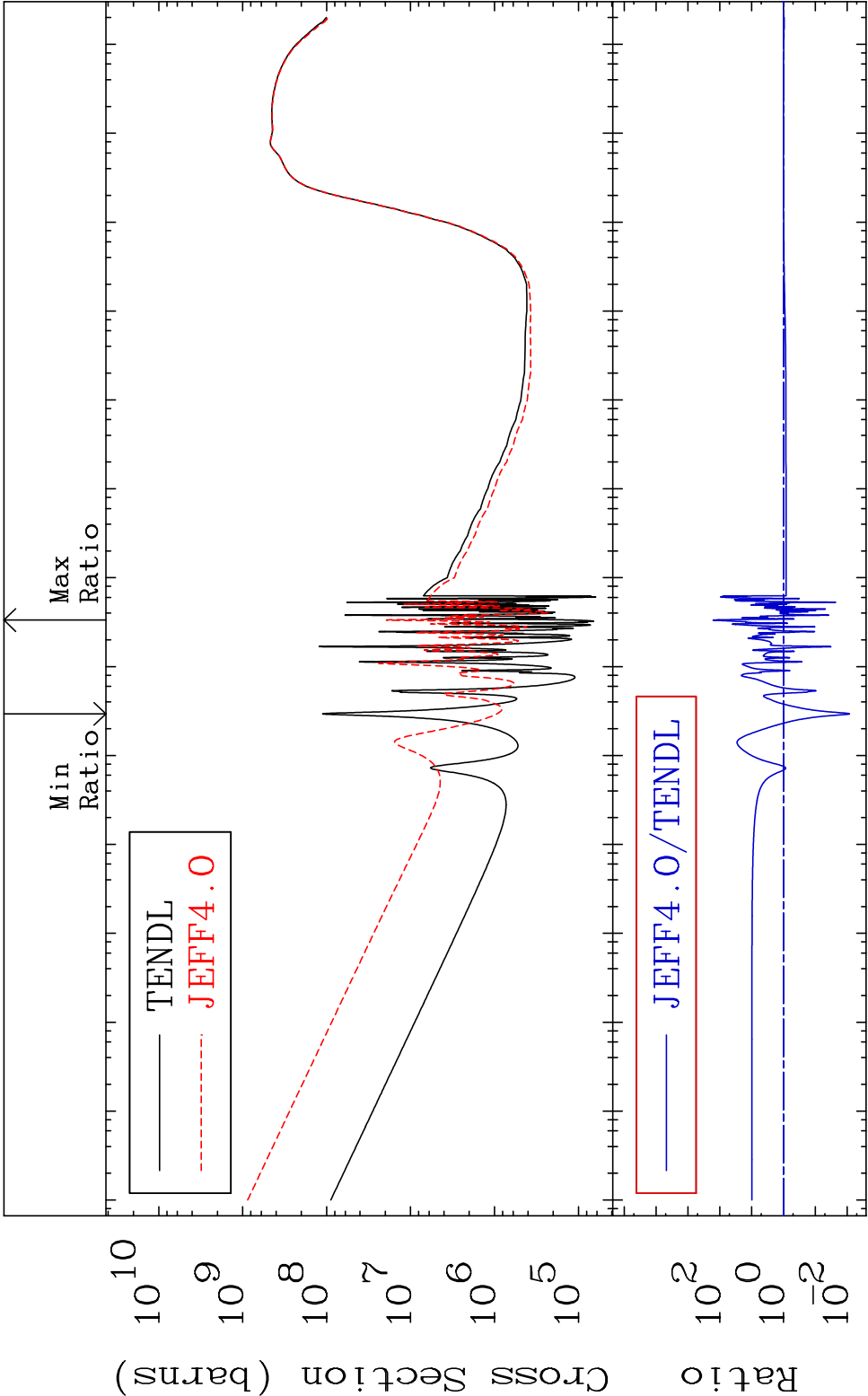


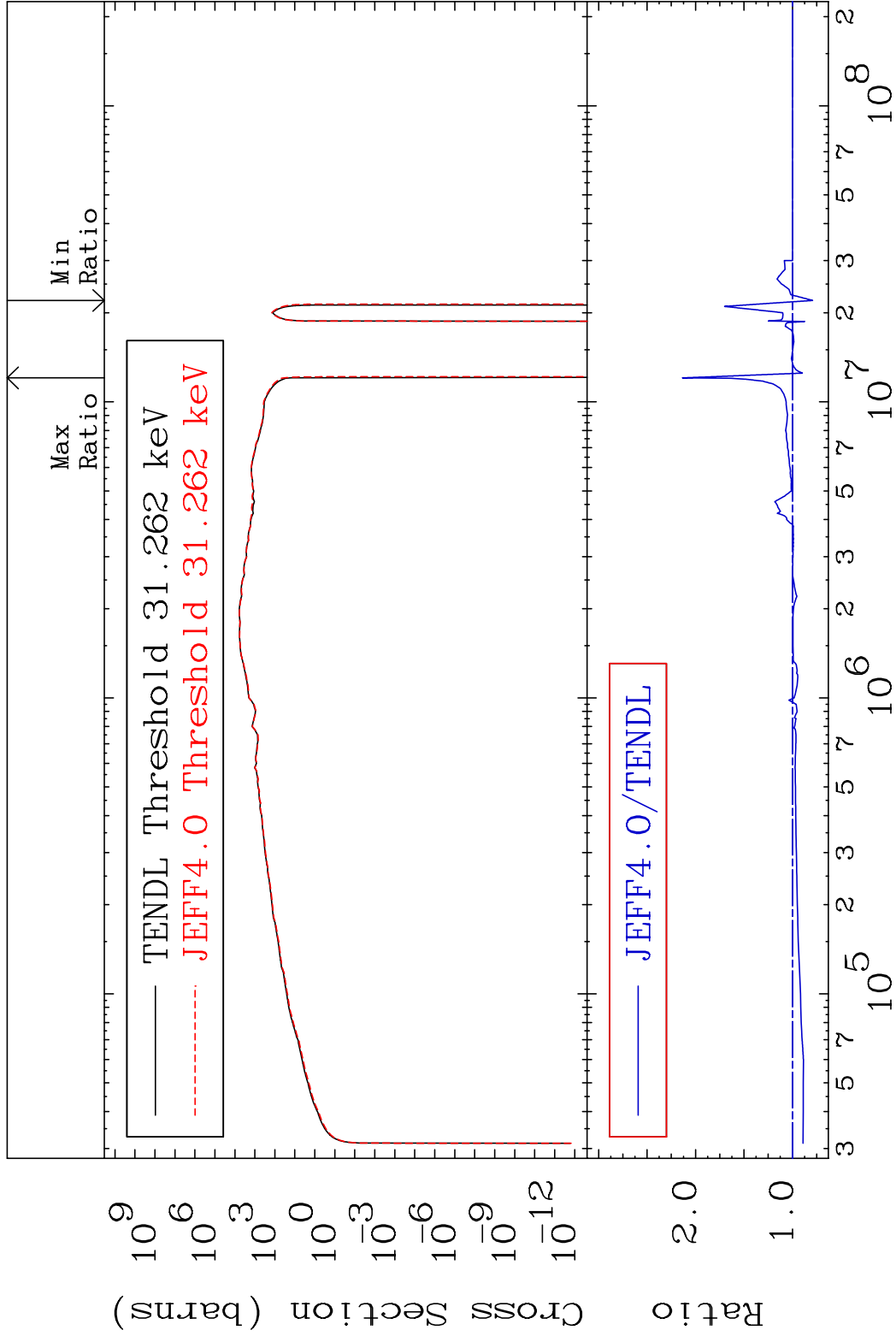


MAT 9352 Kerma total (eV-barns) 93-Np-239
Cross Section -99.16 To 9999. %



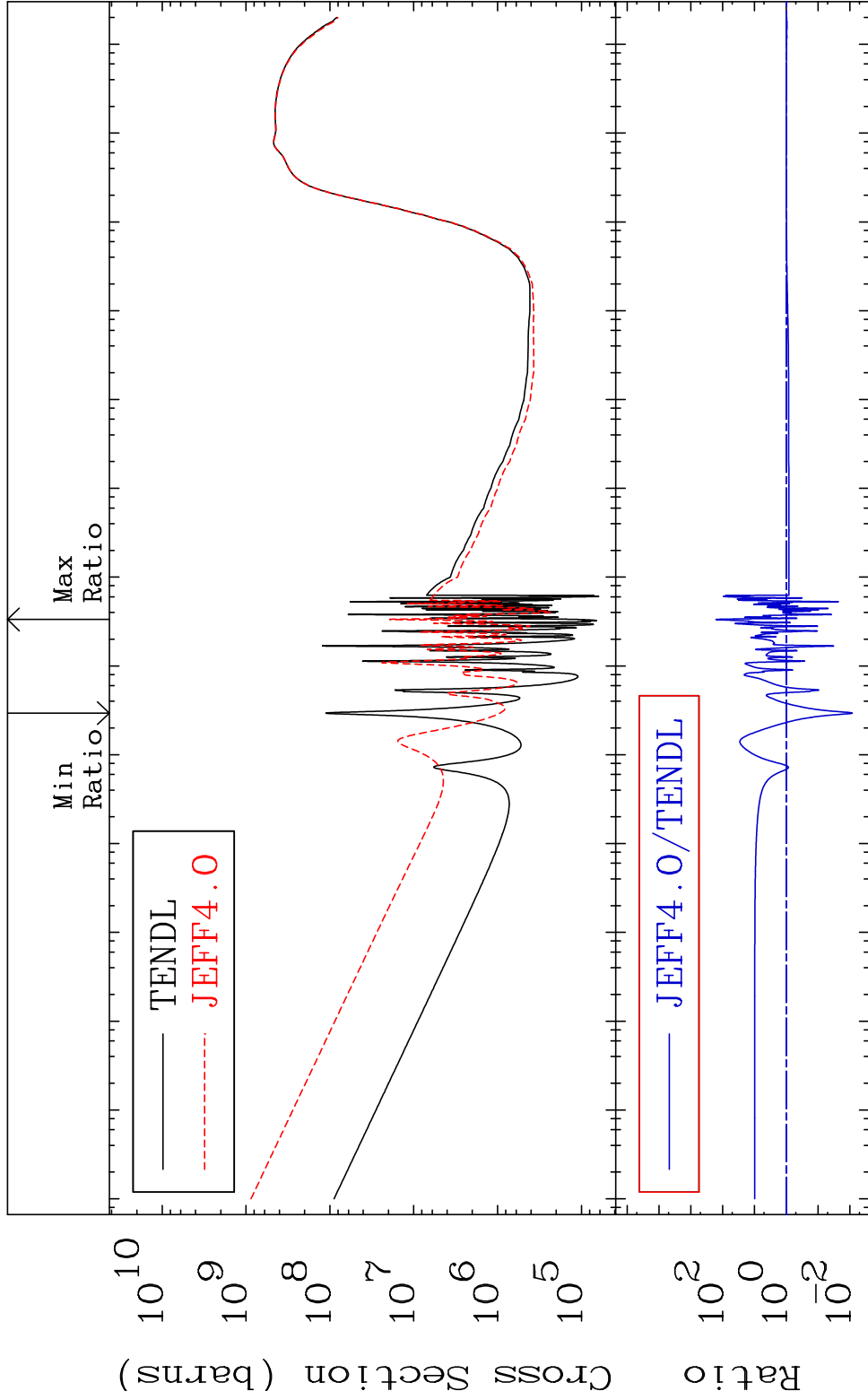






MAT 9352 Kerma fission (mt18 or mt19-20-21-38) 93-Np-239

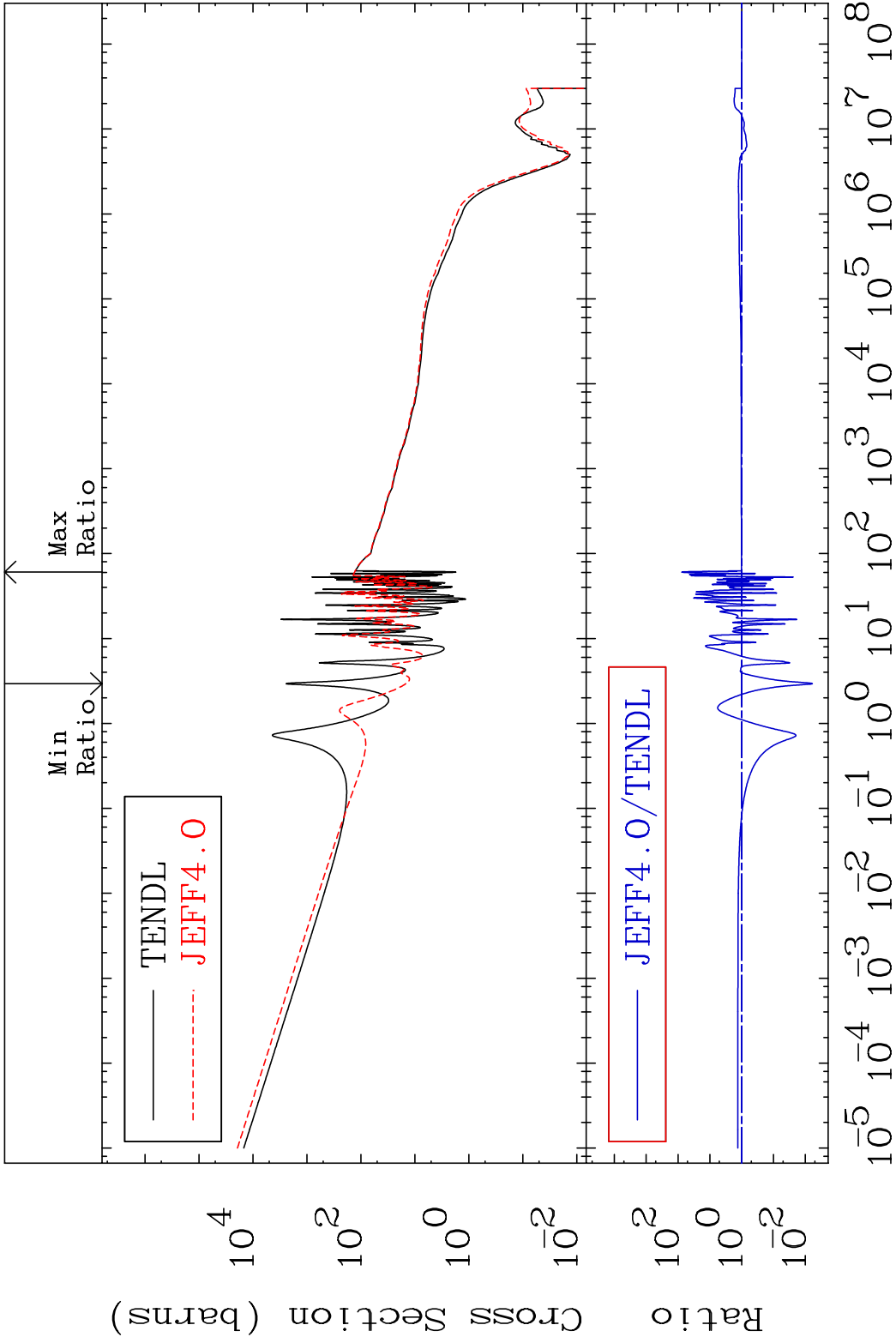
Cross Section -99.16 To 9999. %



Incident Energy (eV)

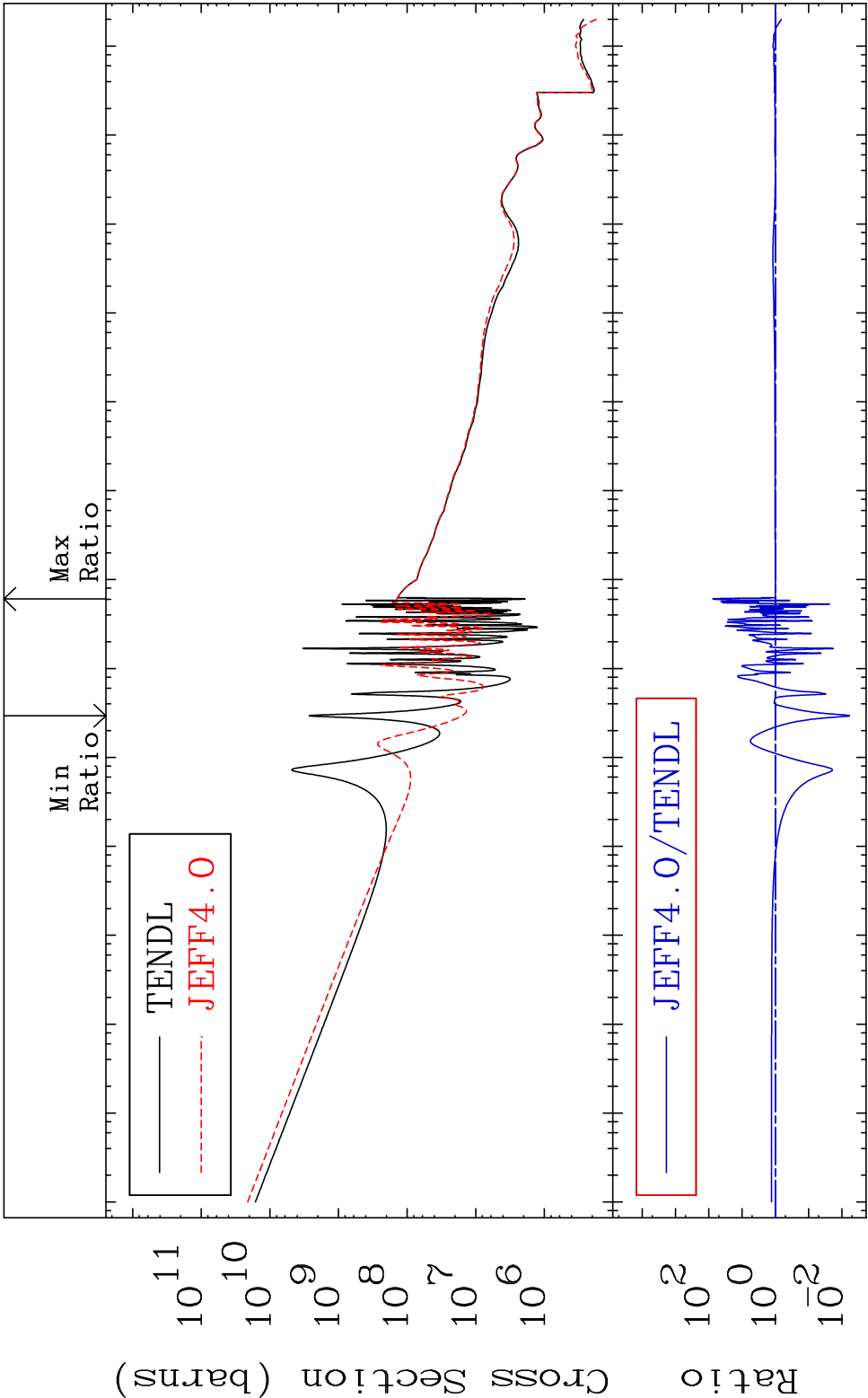
93-Np-239

MAT 9352 Kerma capture (mt102) 93-Np-239
Cross Section -99.40 To 7529. %



72 Incident Energy (eV) 93-Np-239

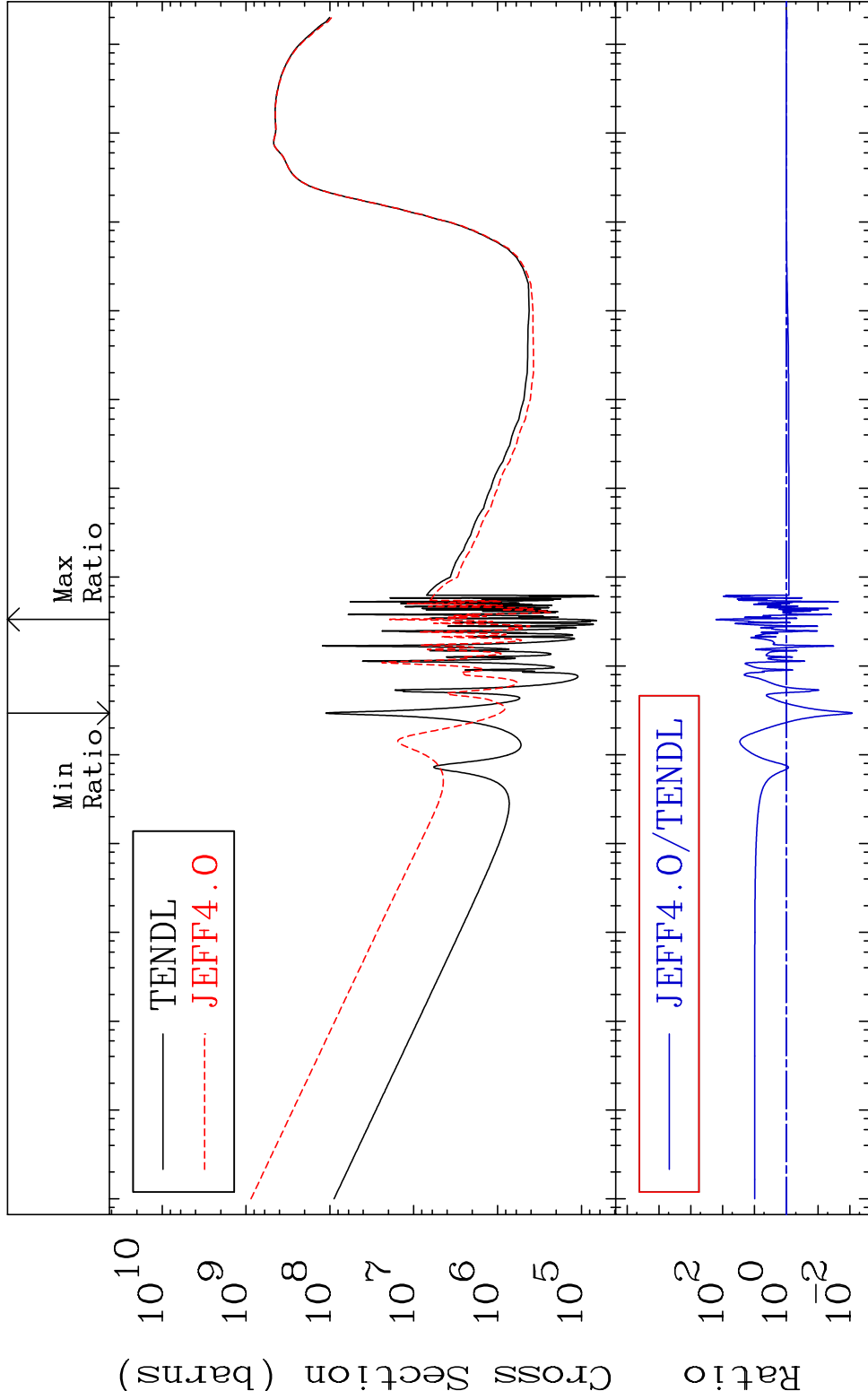
MAT 9352 Total photon (eV-barns) 93-Np-239
Cross Section -99.41 To 7449. %



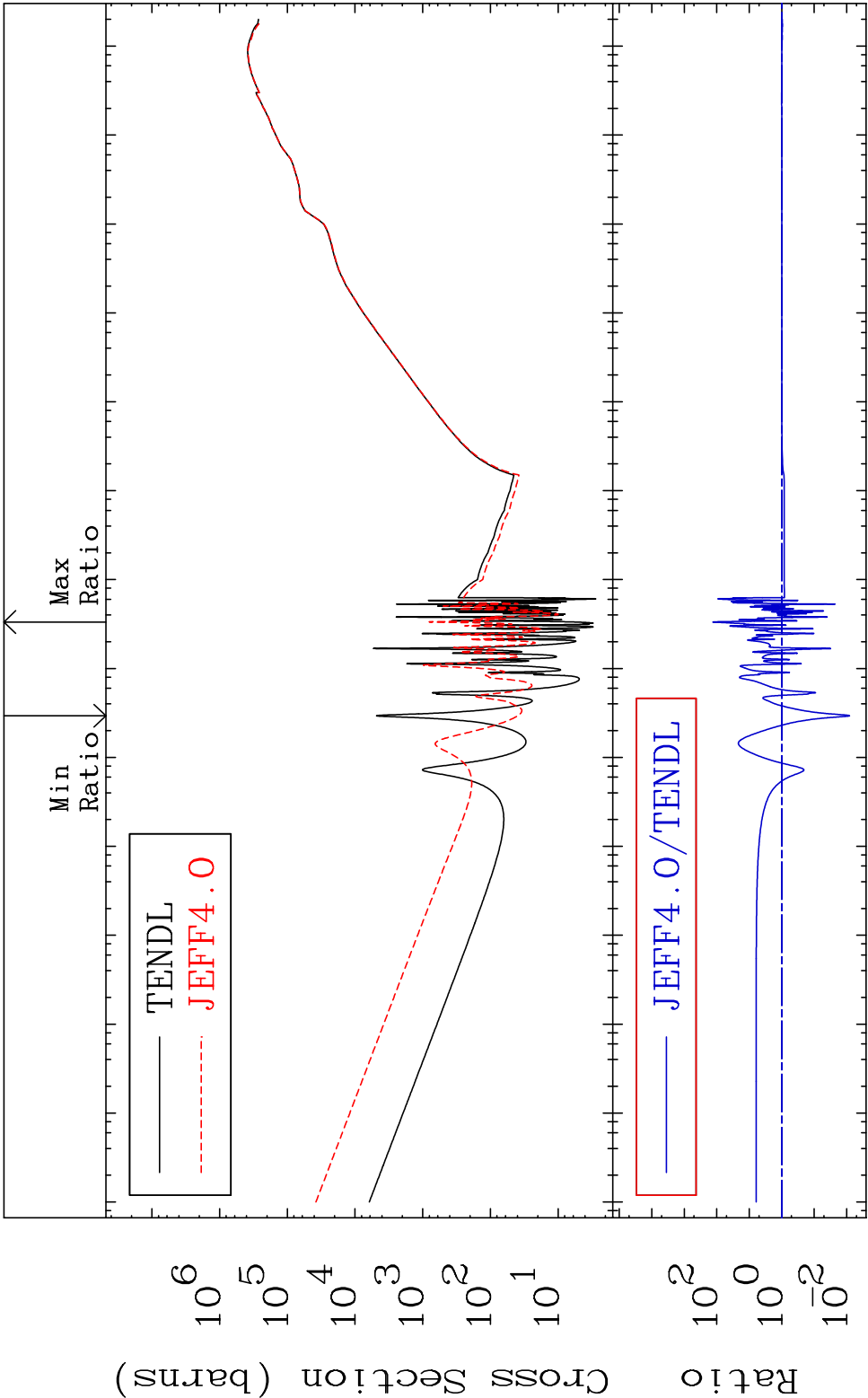
73 Incident Energy (eV) 93-Np-239

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

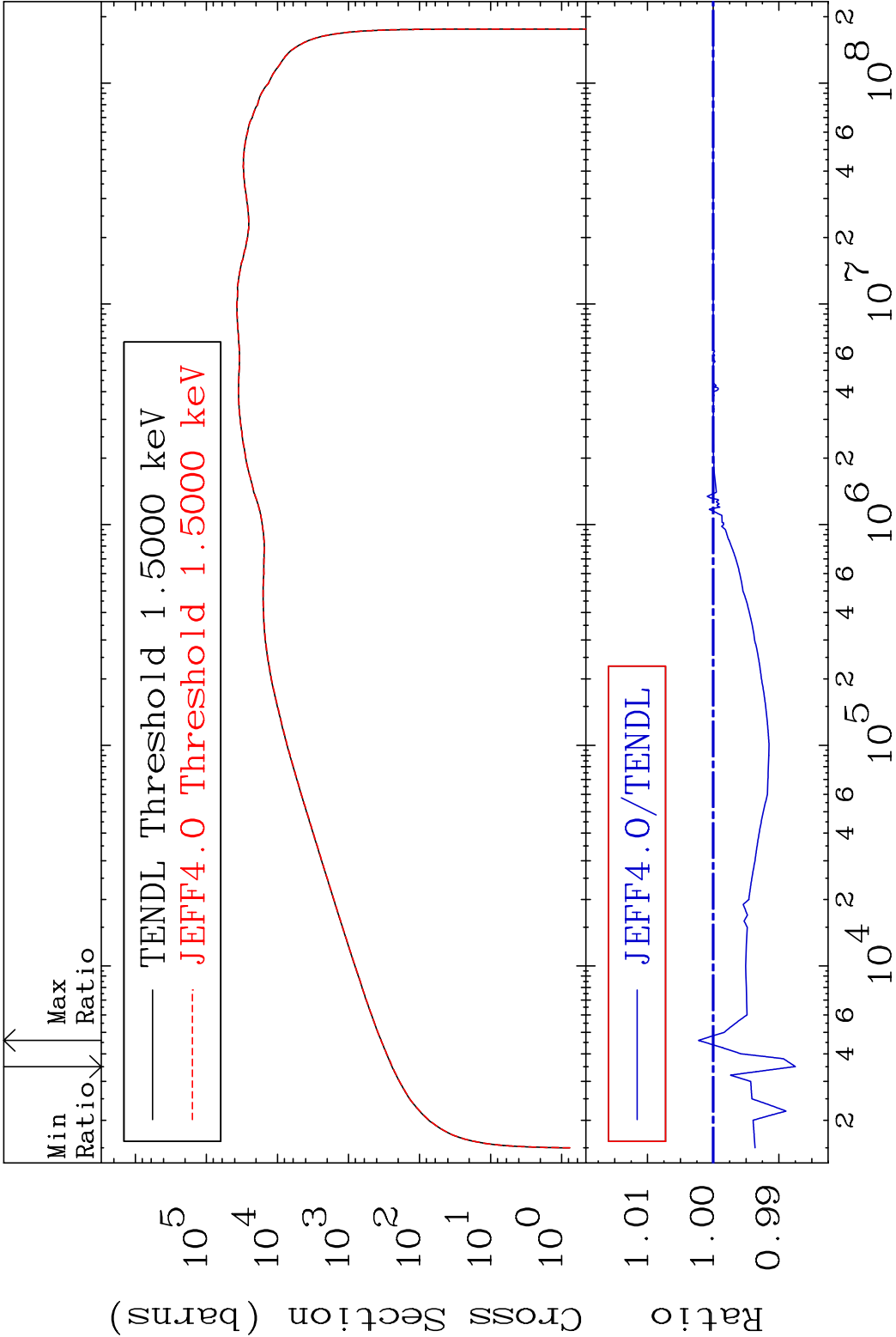
Cross Section -99.16 To 9999. %

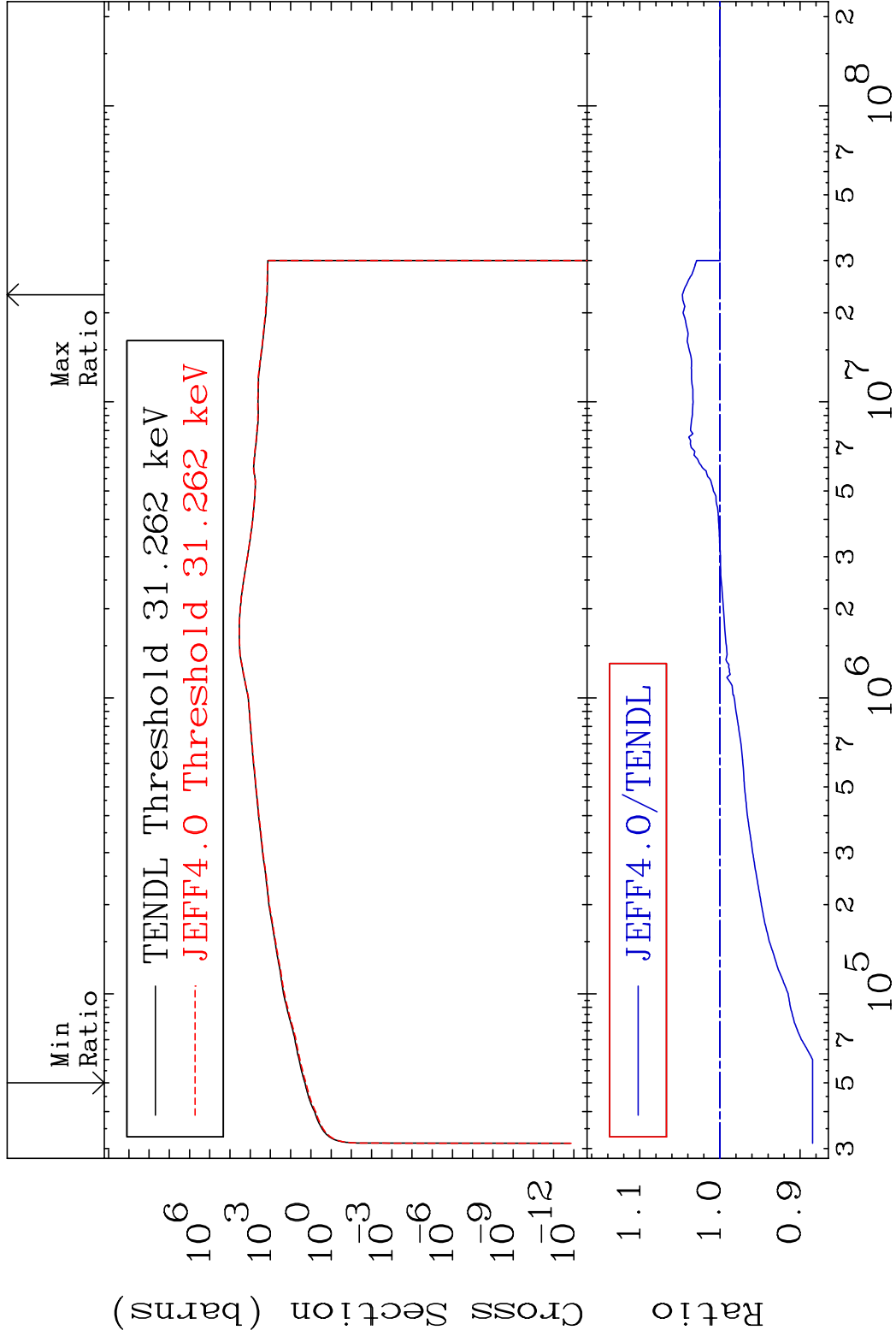


MAT 9352 Dpa total (eV-barns) 93-Np-239
 Cross Section -99.18 To 9999. %



75 Incident Energy (eV) 93-Np-239





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

