

Program Complot
(Version 2021-1)

by

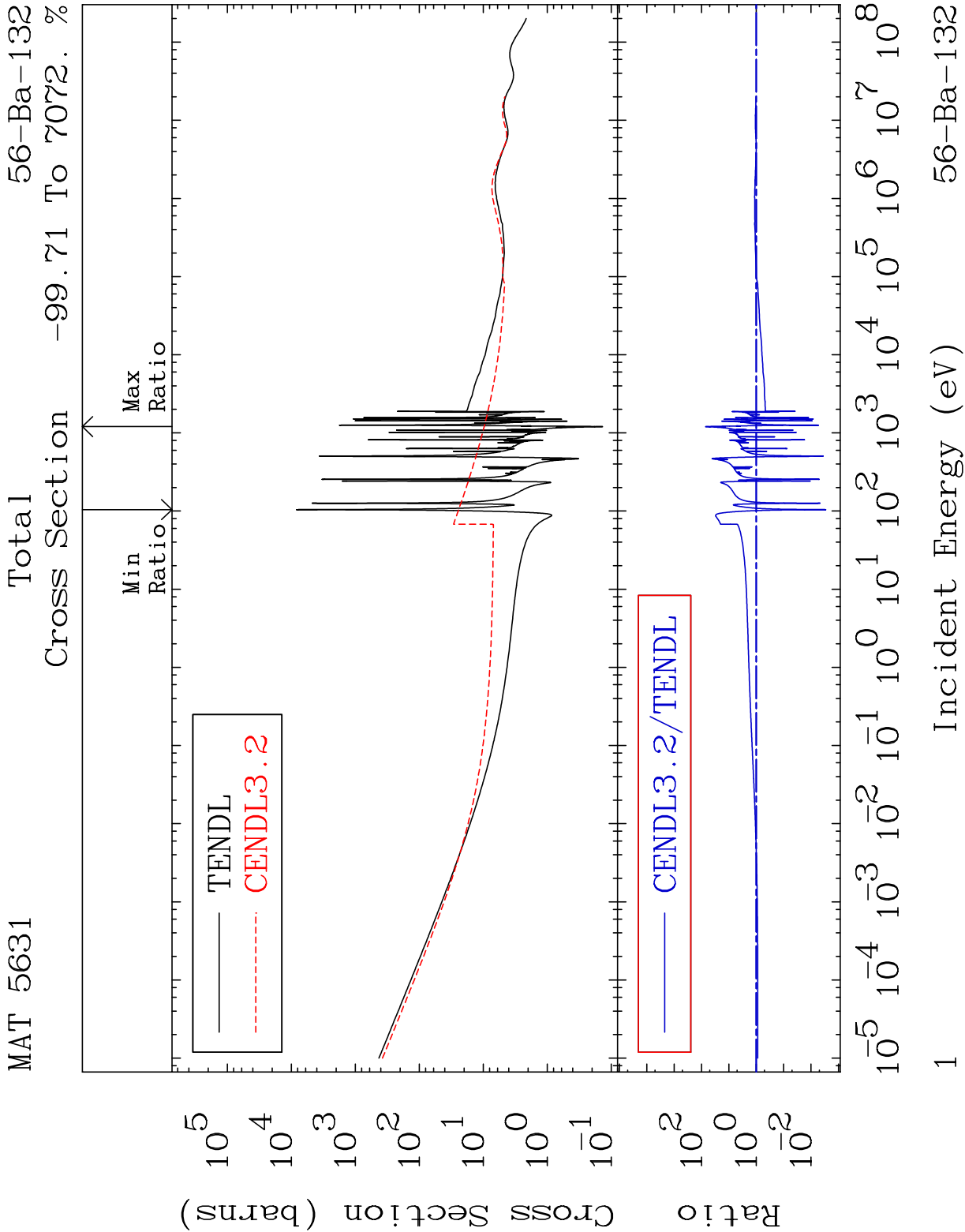
Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

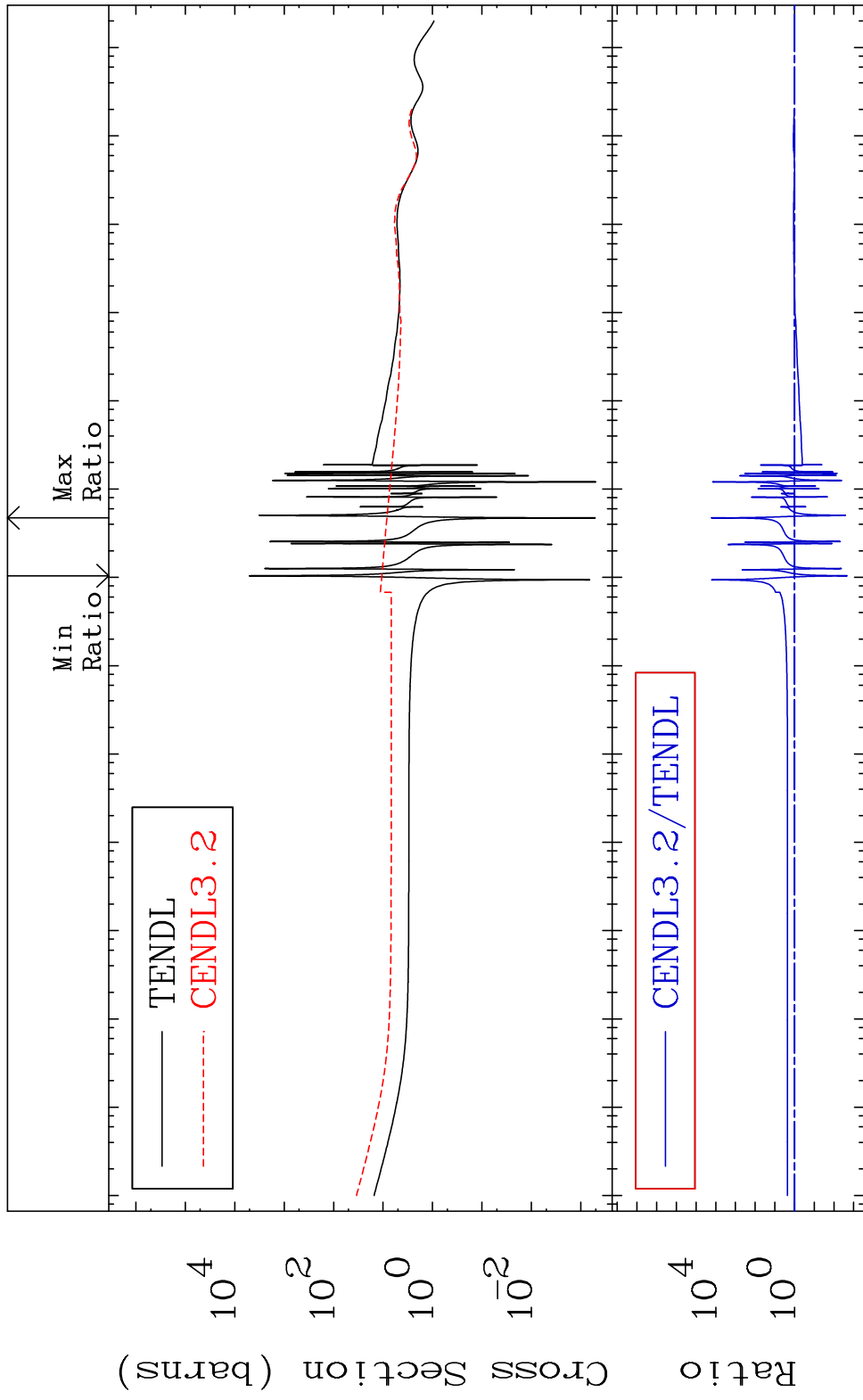


MAT 5631

Elastic

56-Ba-132

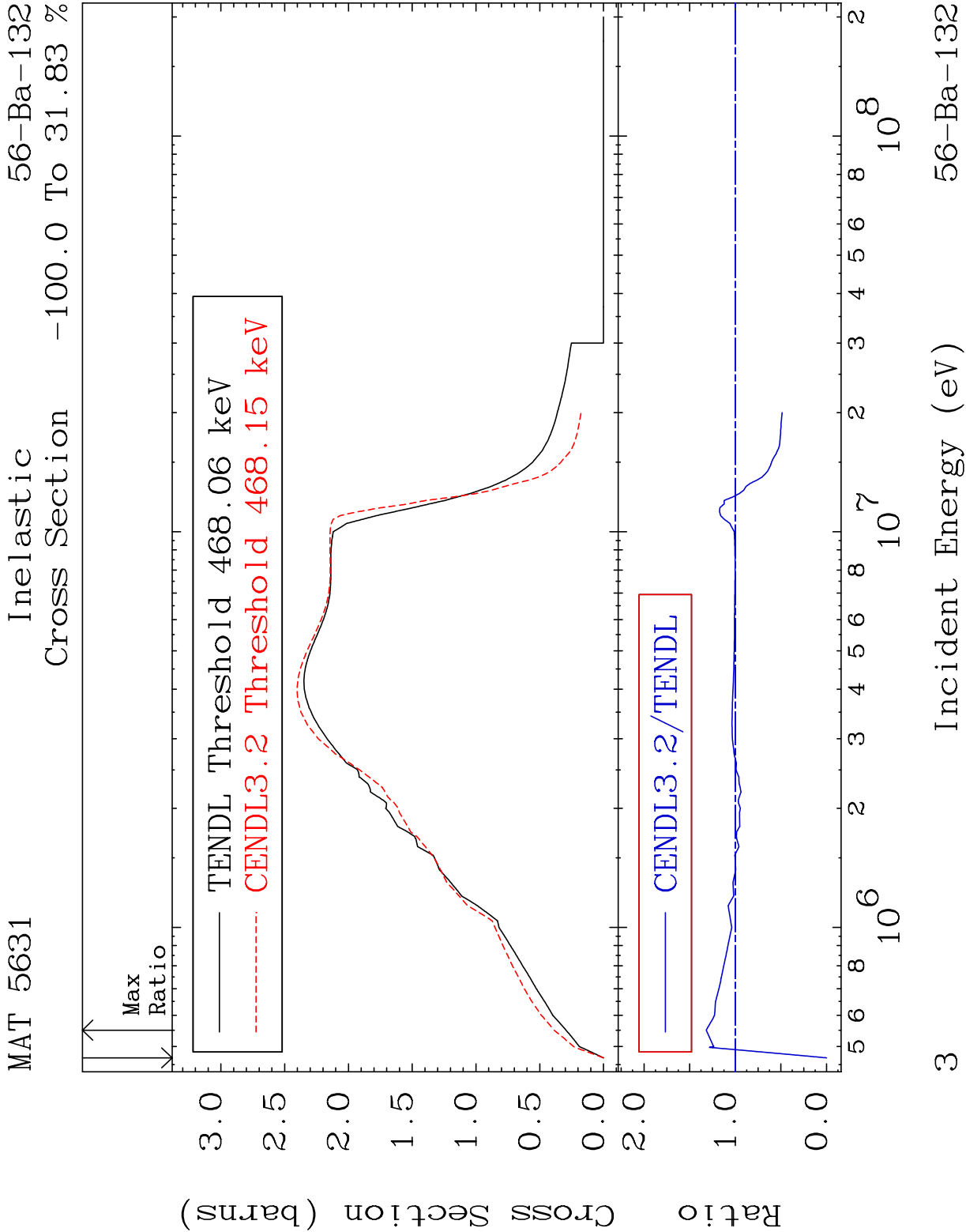
Cross Section -99.79 To 9999. %

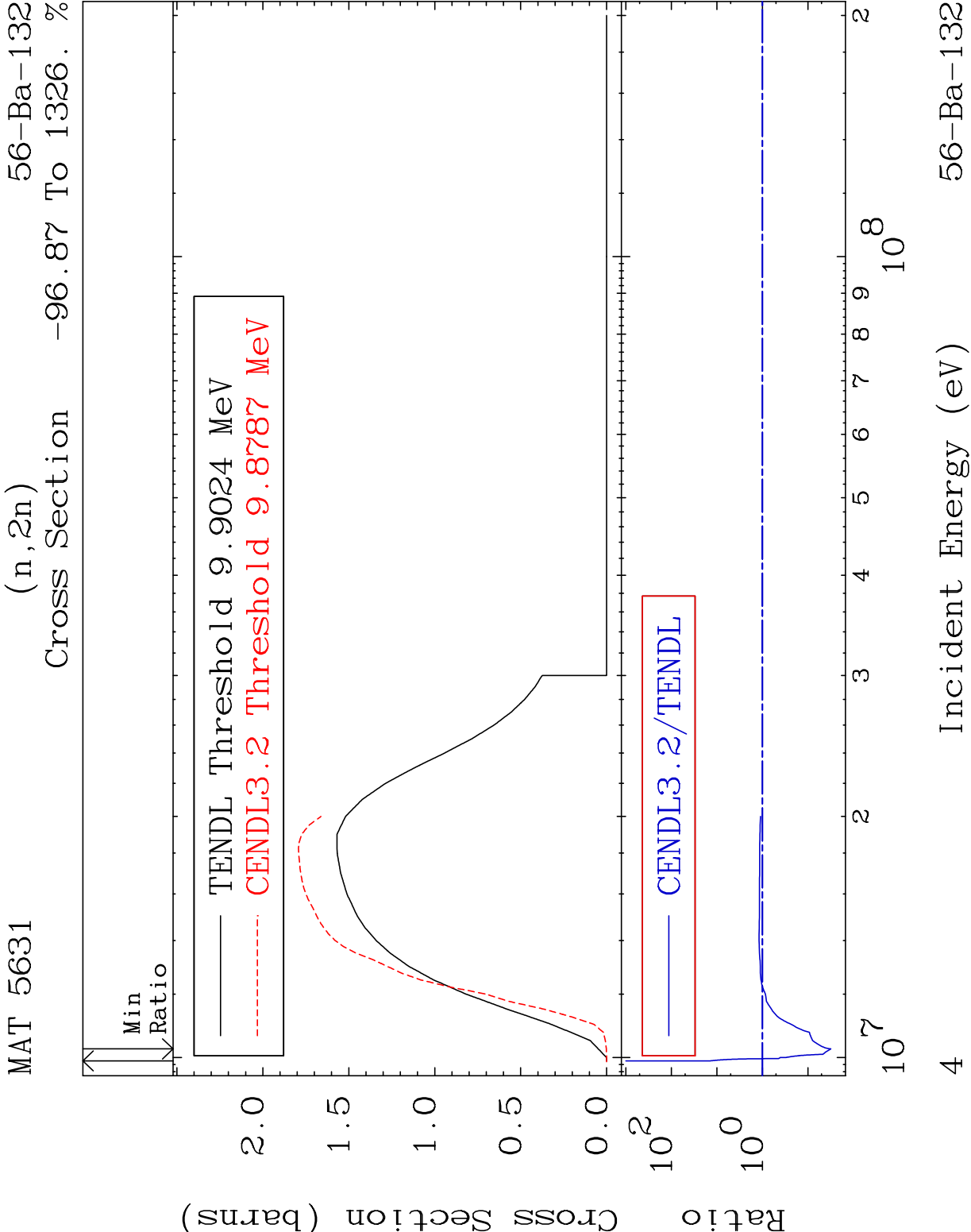


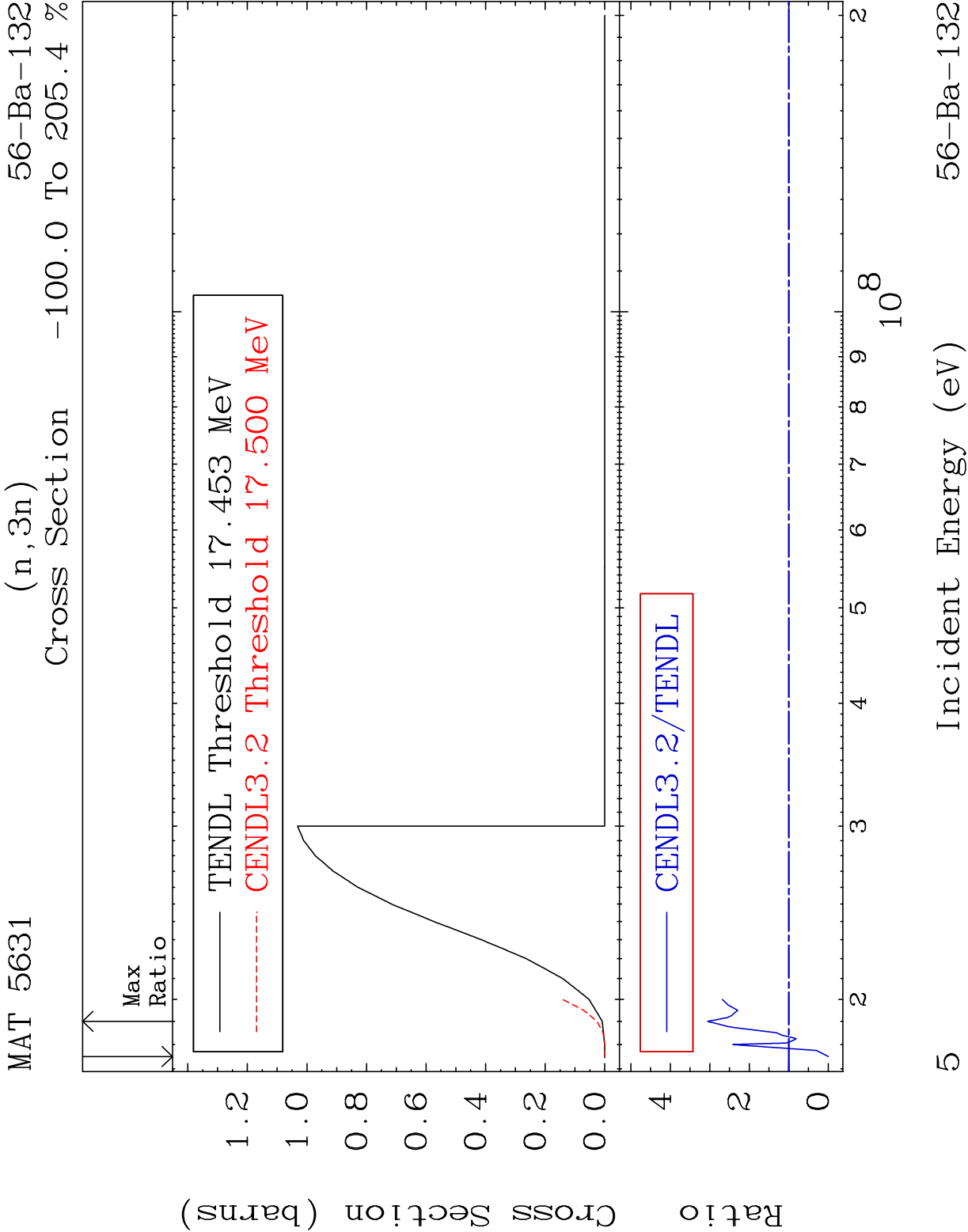
2

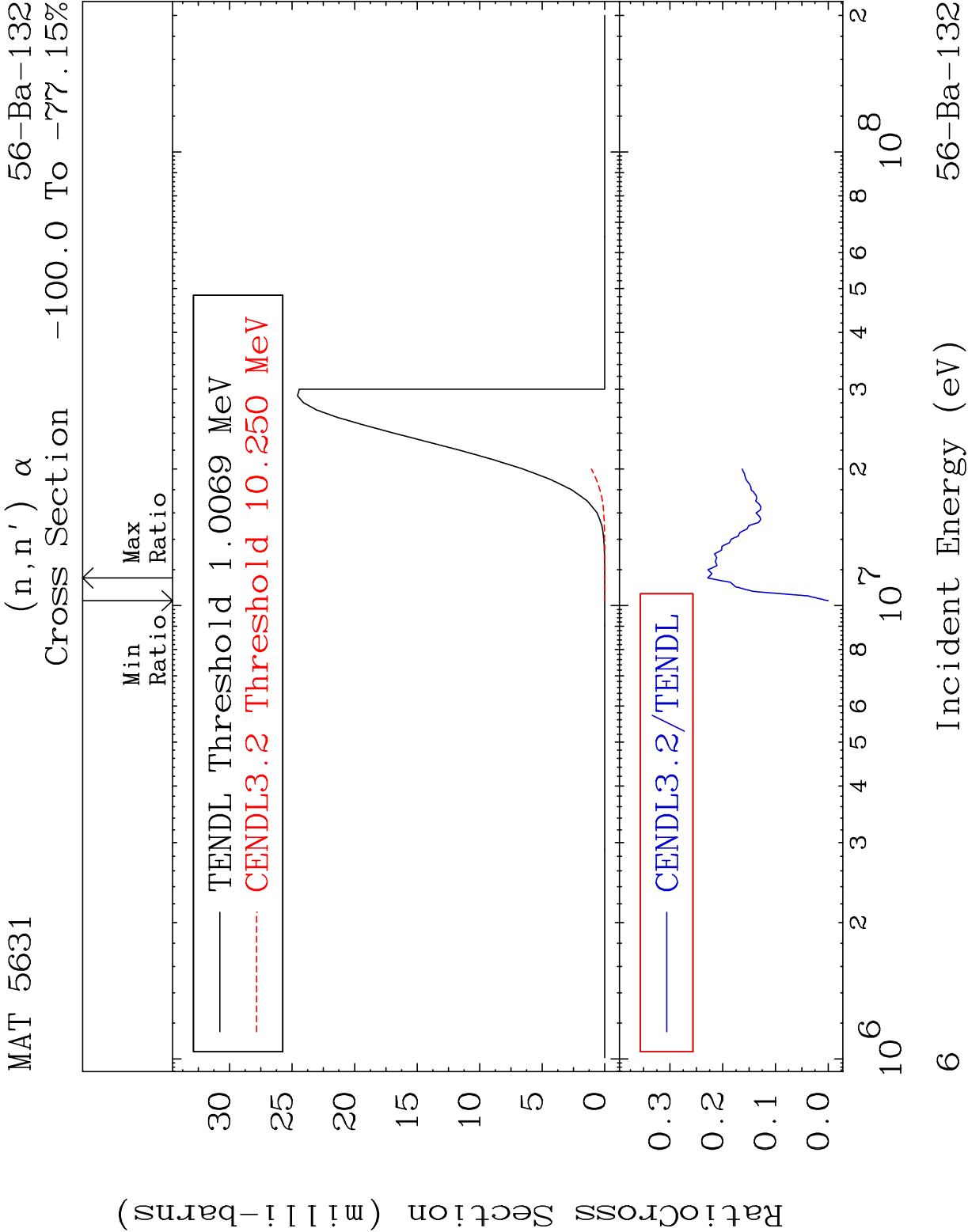
Incident Energy (eV)

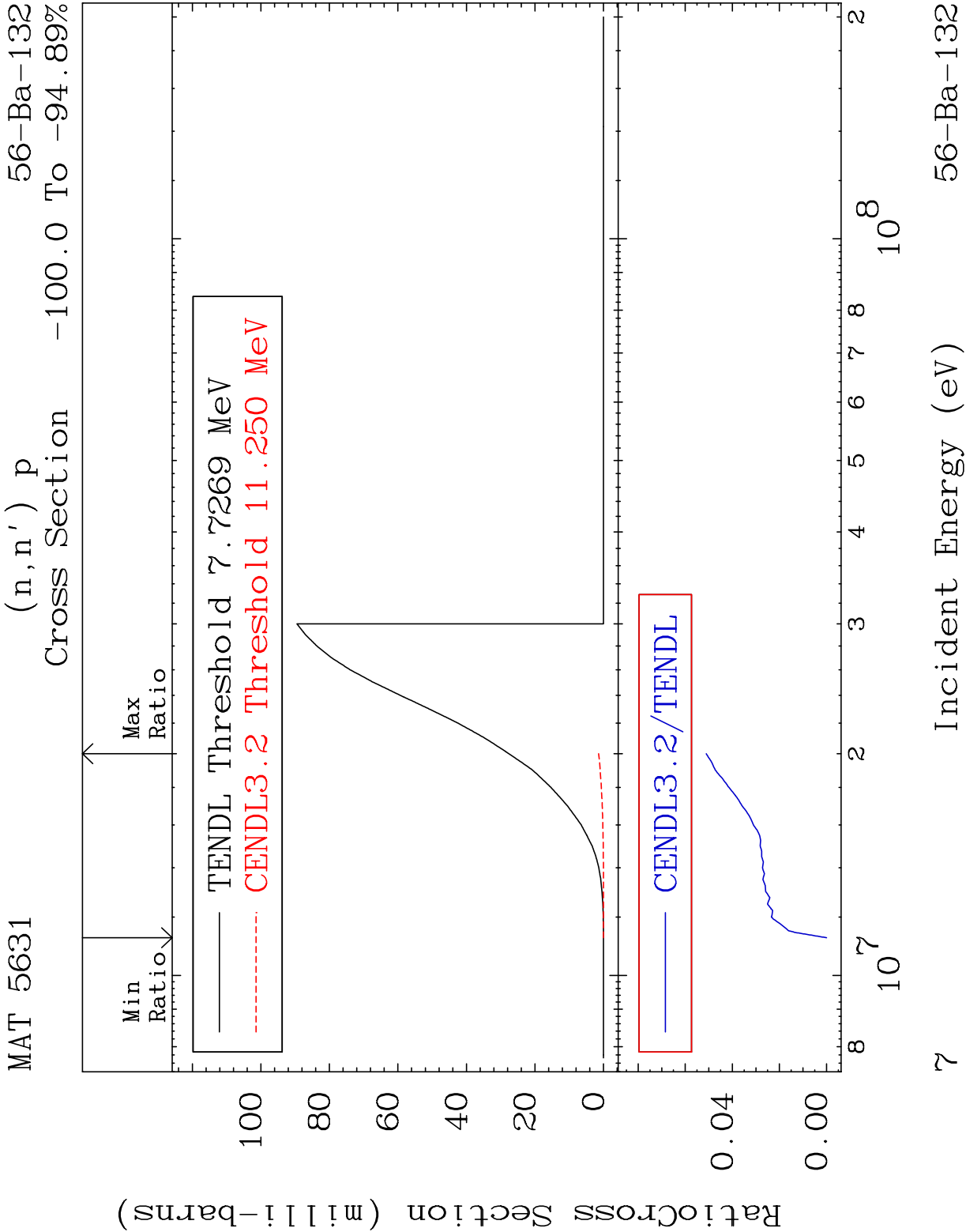
56-Ba-132



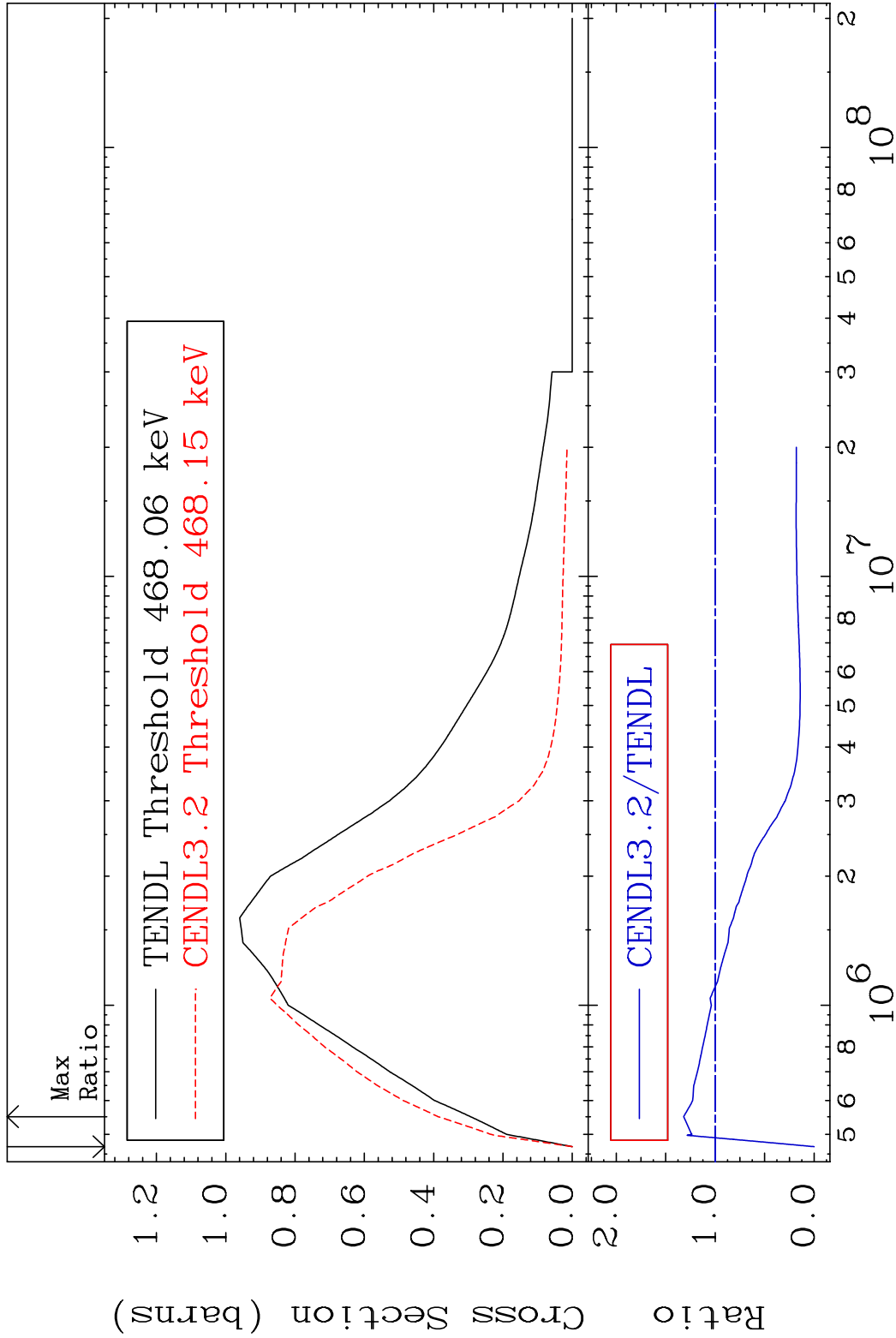


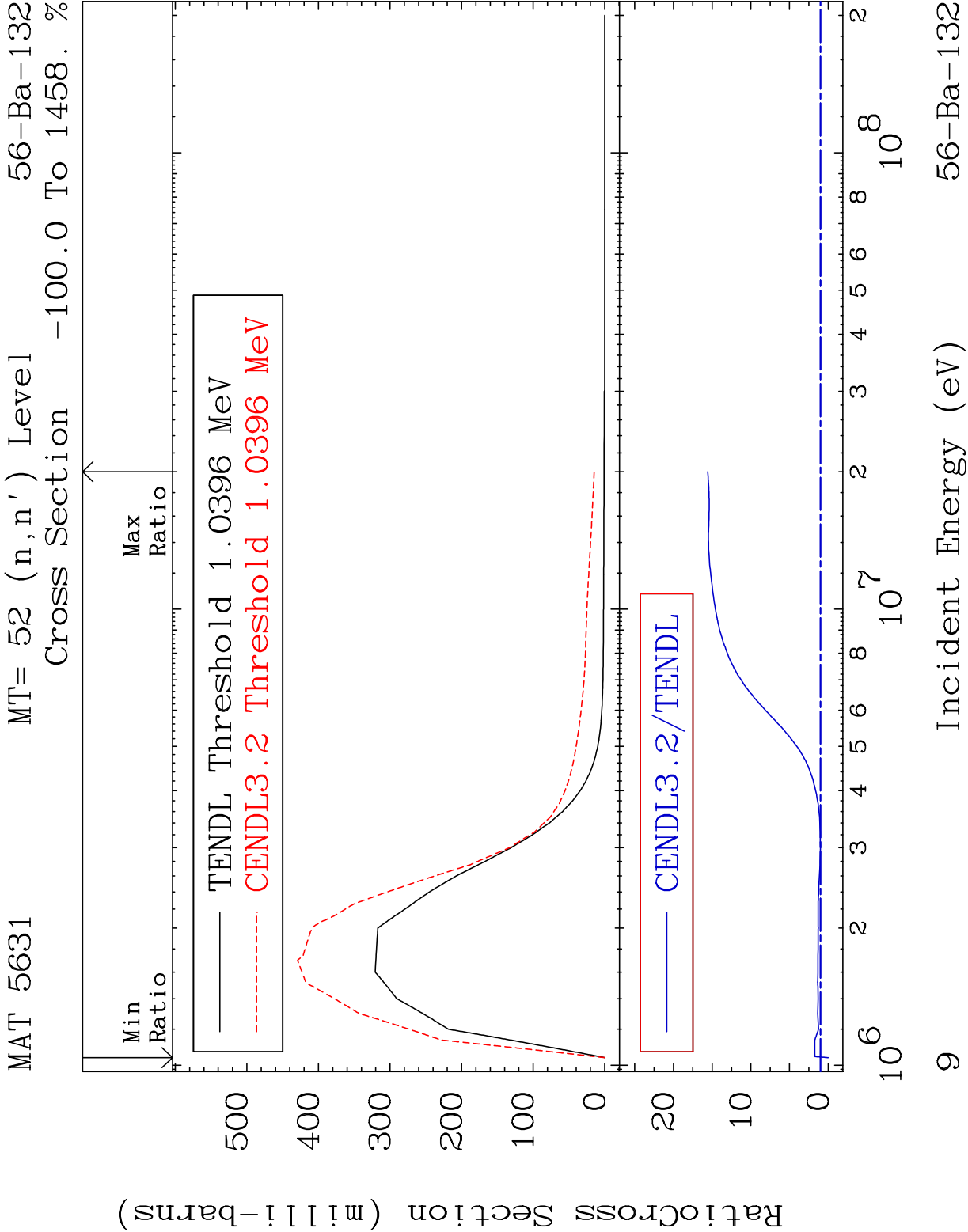


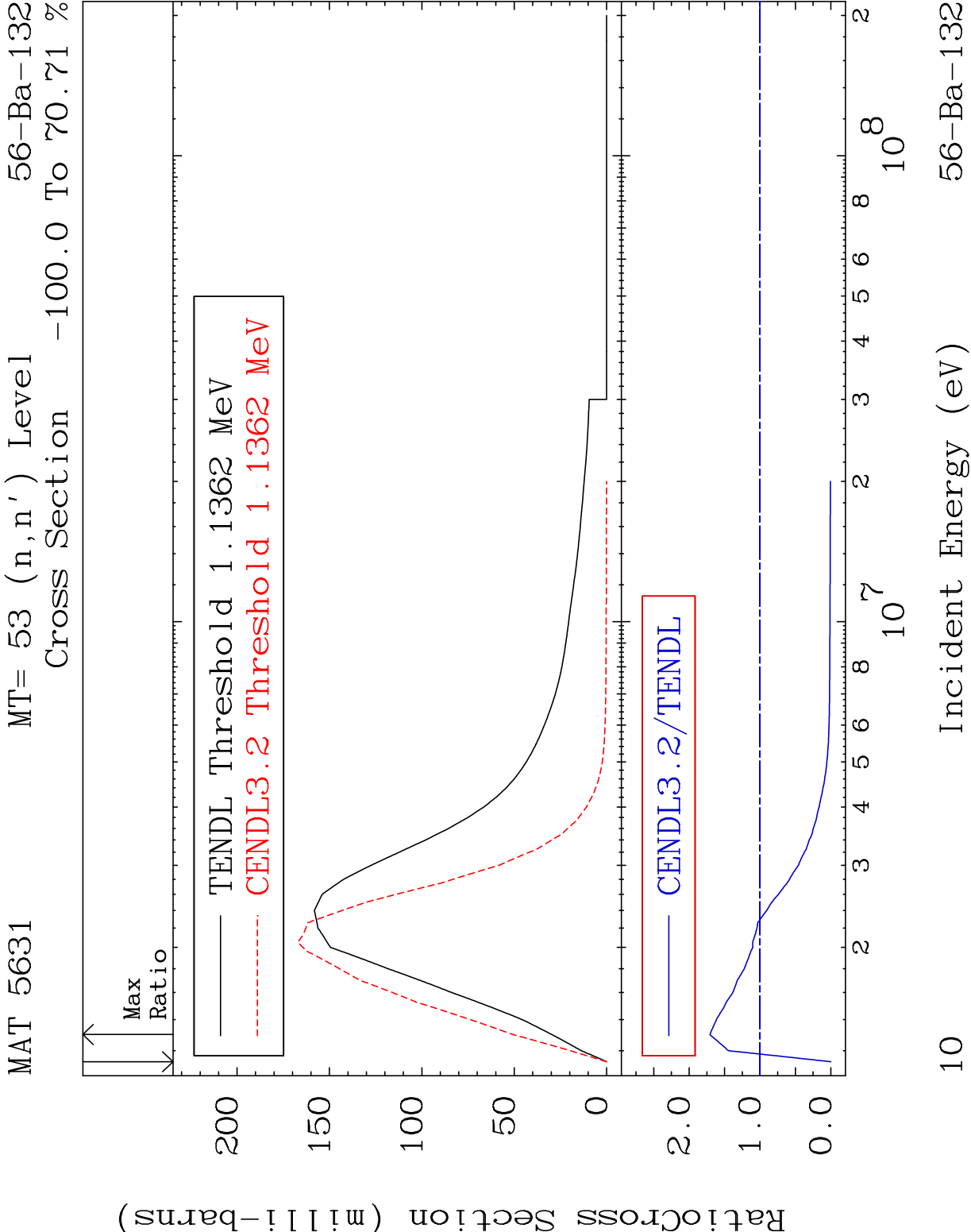




MAT 5631 MT= 51 (n,n') Level 56-Ba-132
 Cross Section -100.0 To 31.83 %







MAT 5631

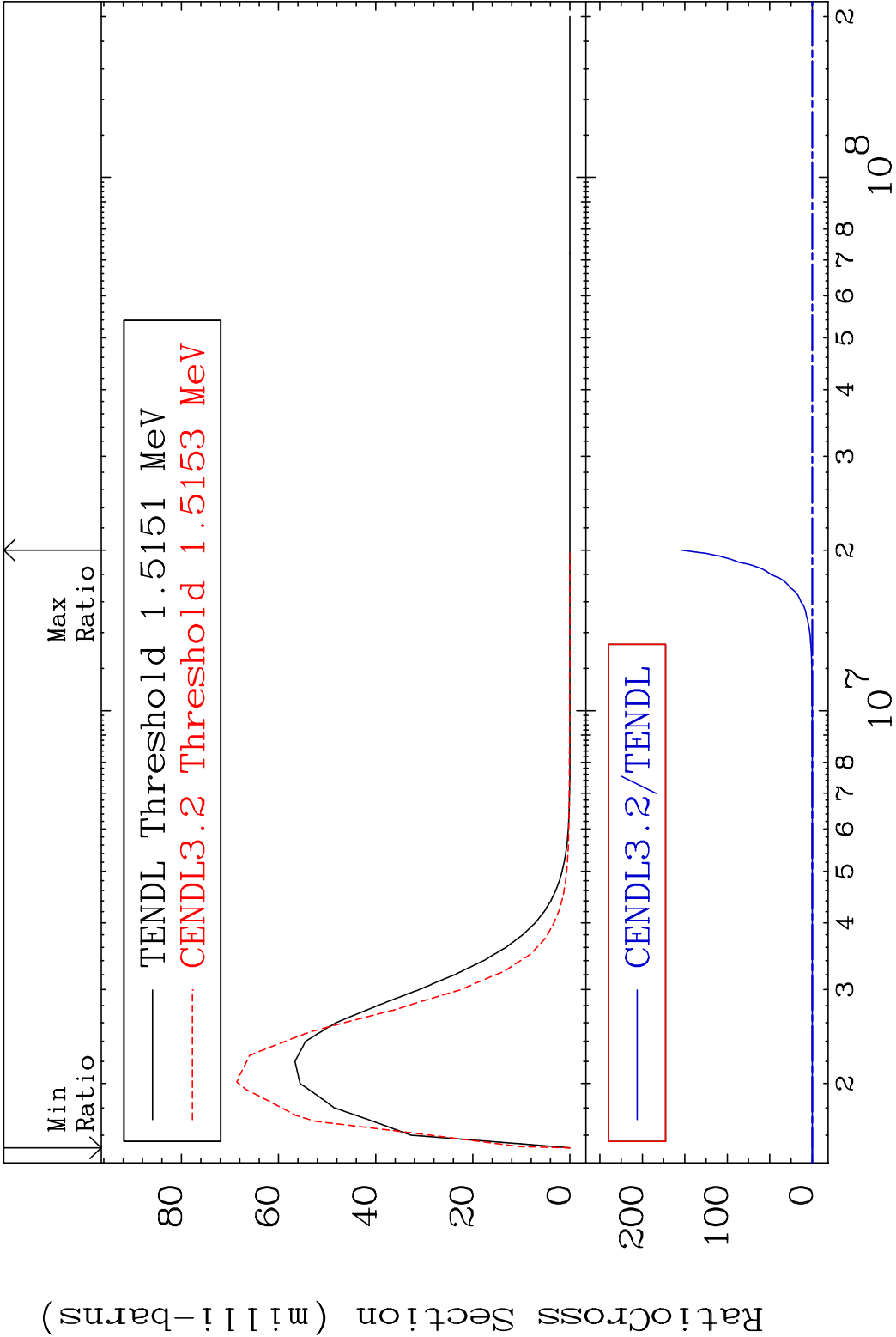
MT= 54 (n,n')

Level

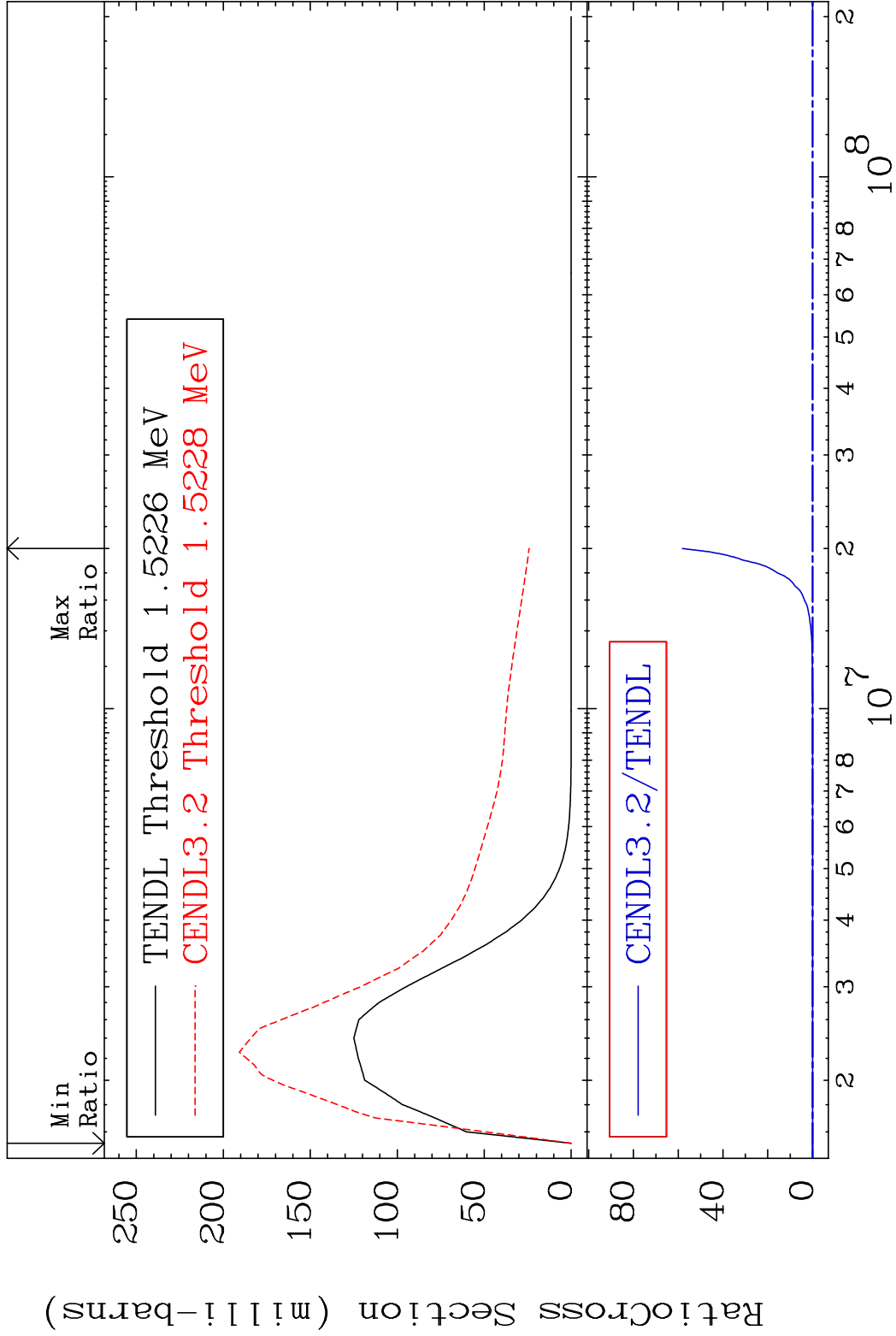
56-Ba-132

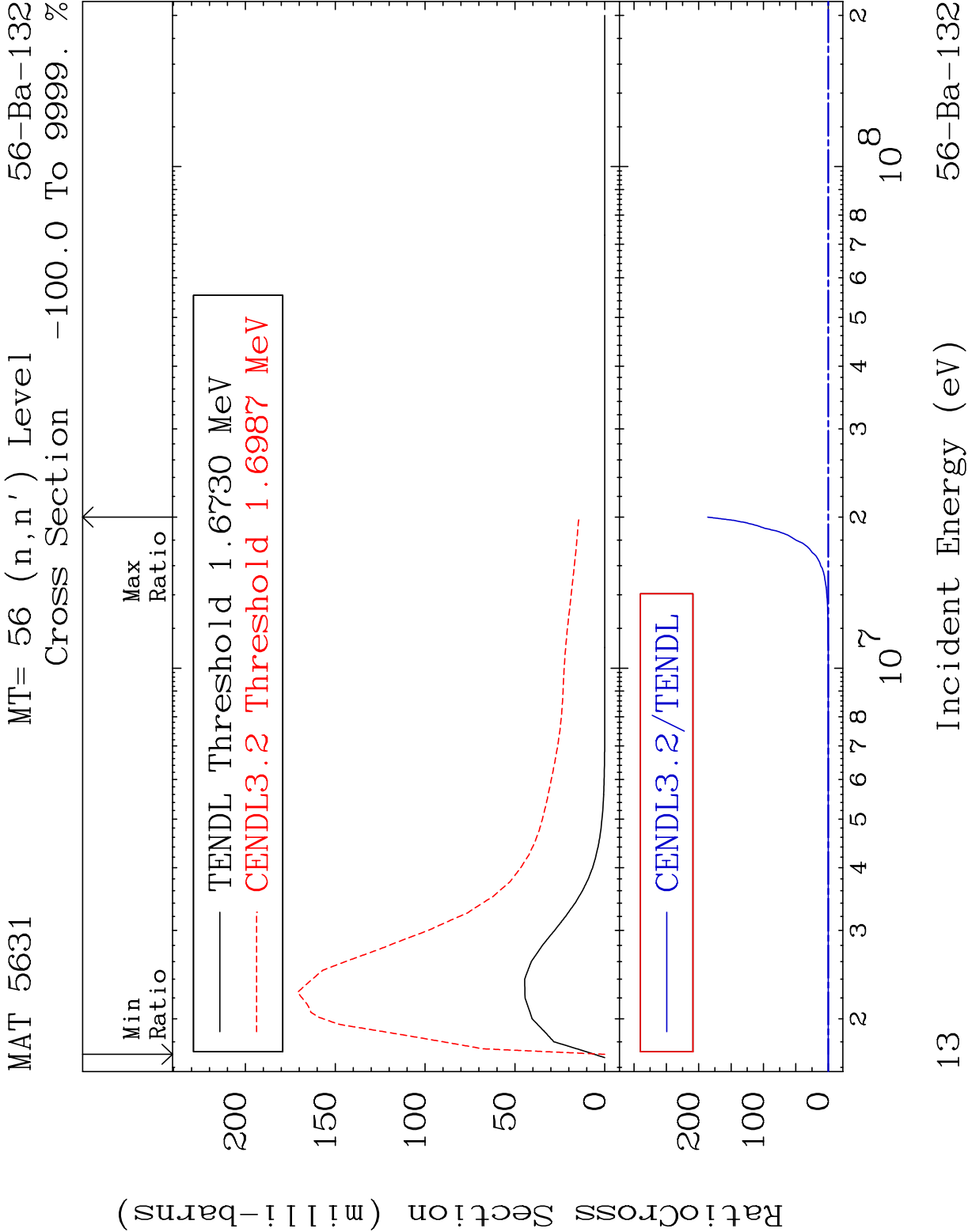
Cross Section

-100.0 To 9999. %

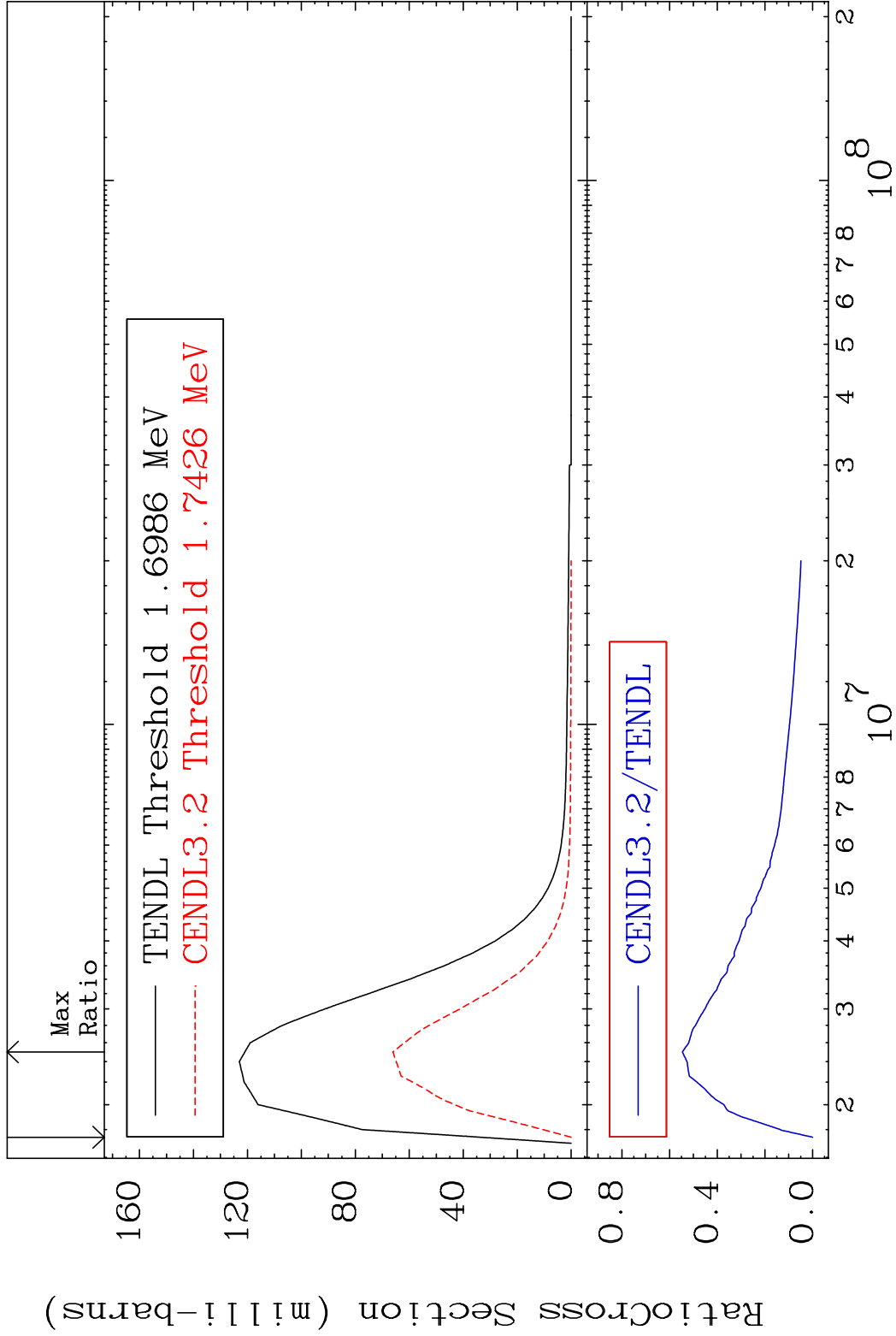


MAT 5631 MT= 55 (n,n') Level 56-Ba-132
Cross Section -100.0 To 9999. %





MAT 5631 MT= 57 (n,n') Level 56-Ba-132
Cross Section -100.0 To -45.36%



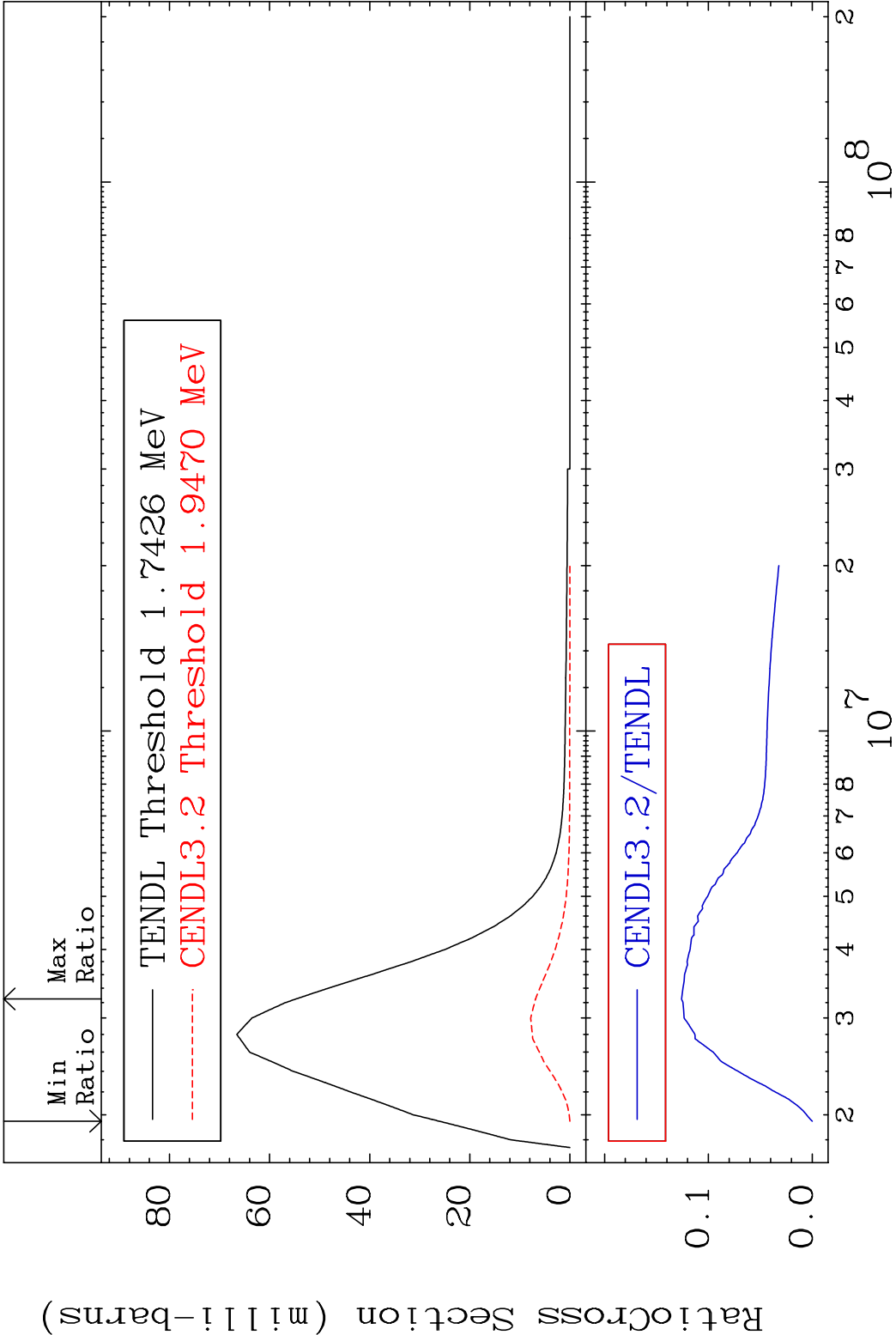
MAT 5631

MT= 58 (n,n') Level

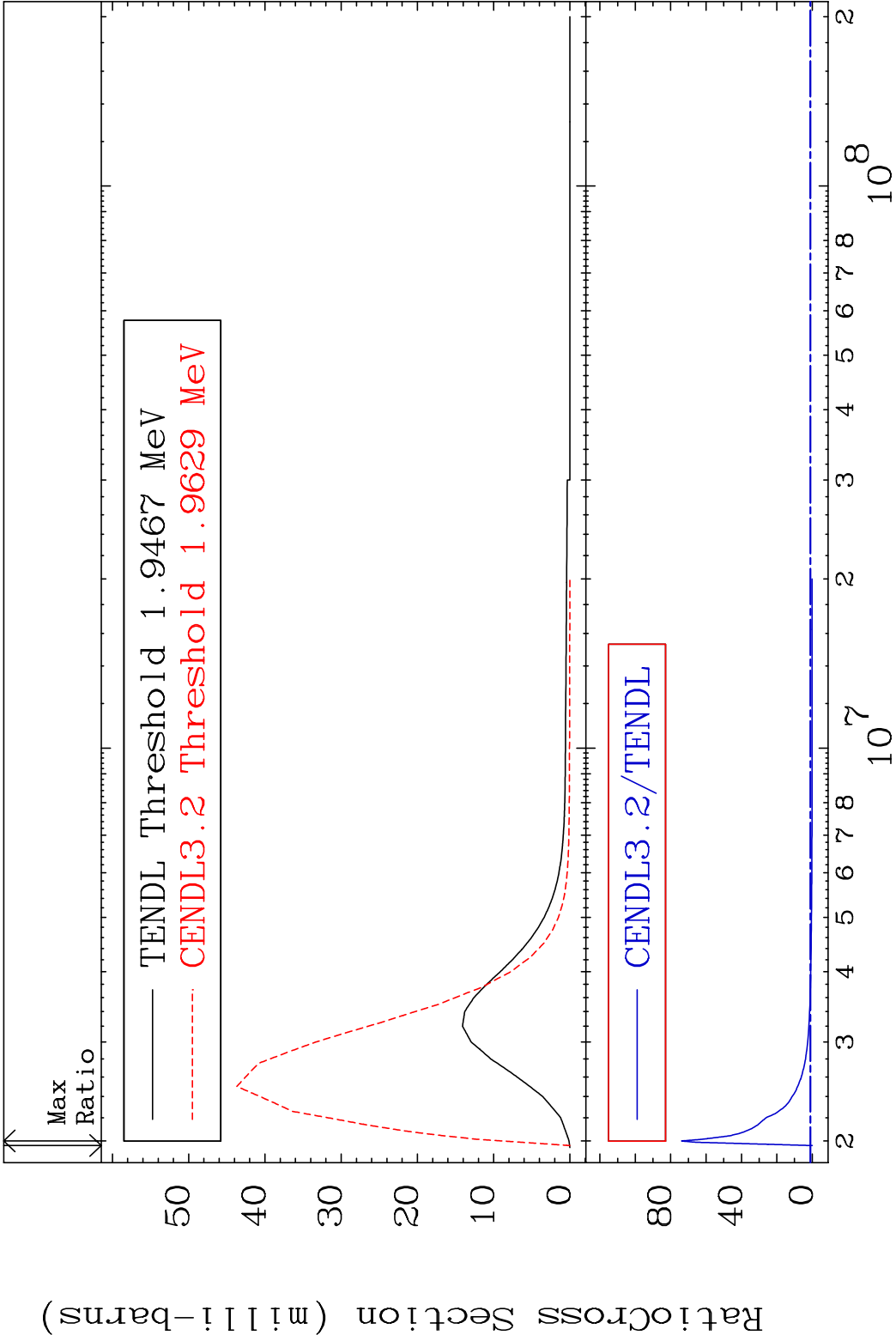
56-Ba-132

Cross Section

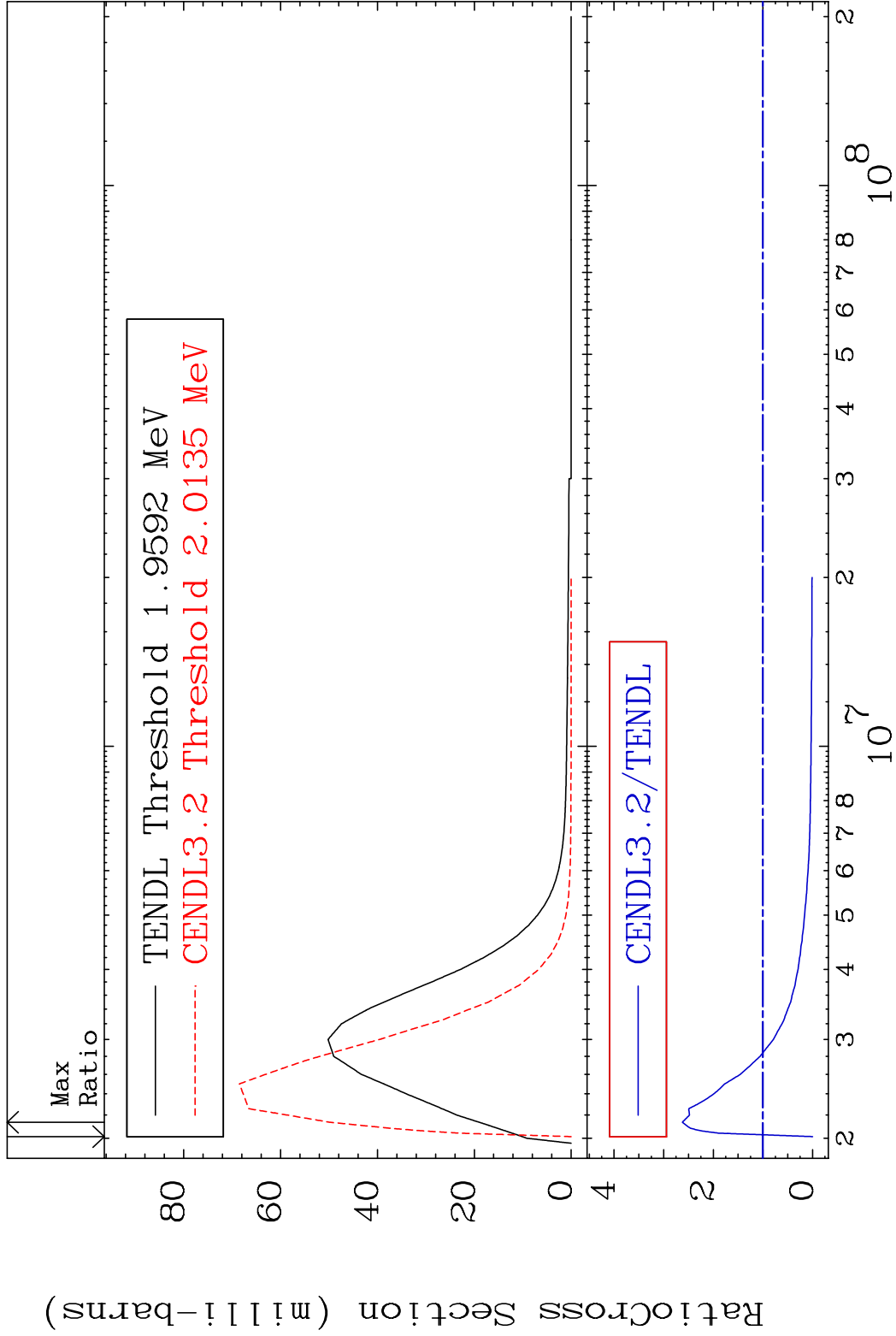
-100.0 To -87.41%



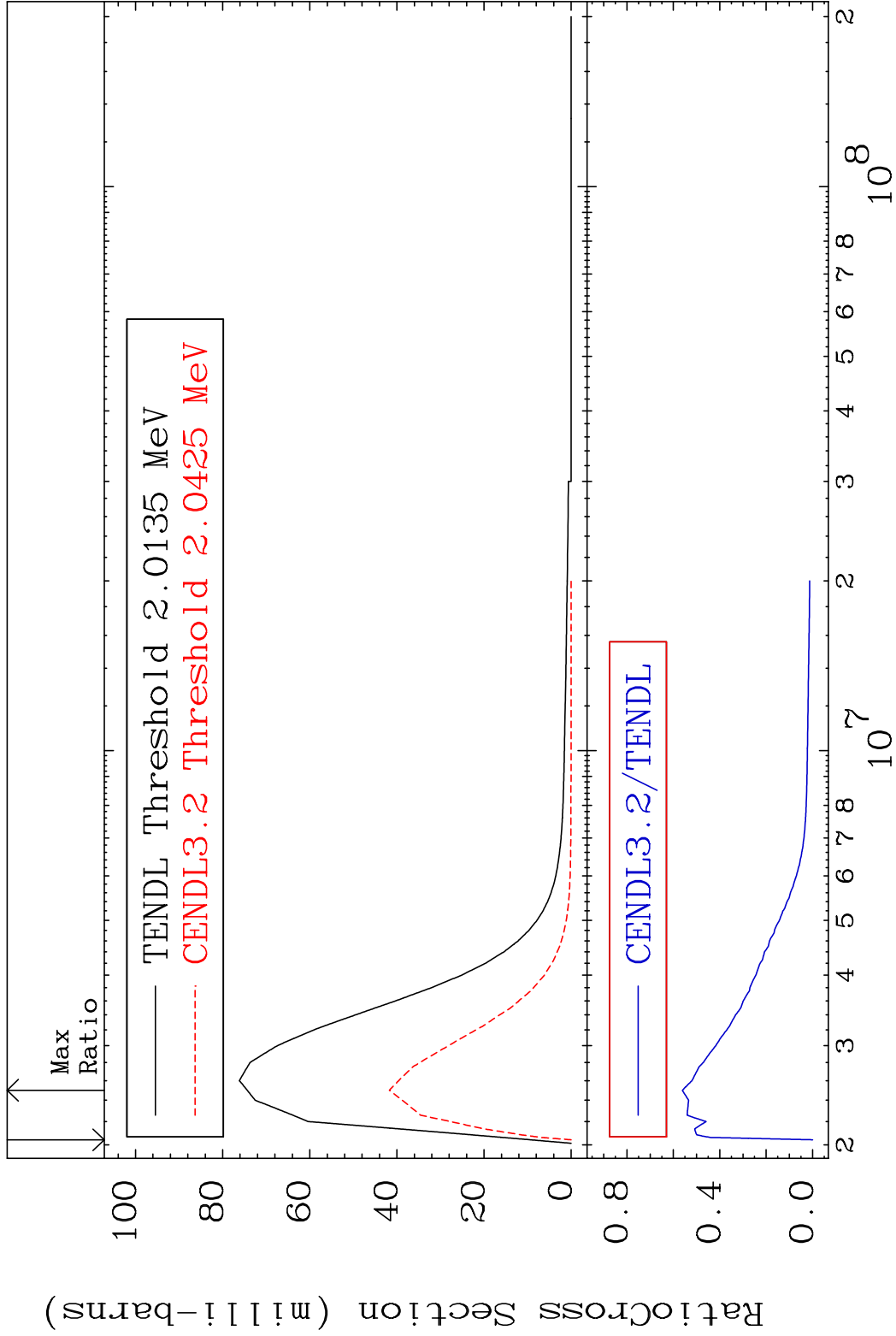
MAT 5631 MT= 59 (n,n') Level 56-Ba-132
Cross Section -100.0 To 7287. %



MAT 5631 MT= 60 (n,n') Level 56-Ba-132
Cross Section -100.0 To 162.4 %

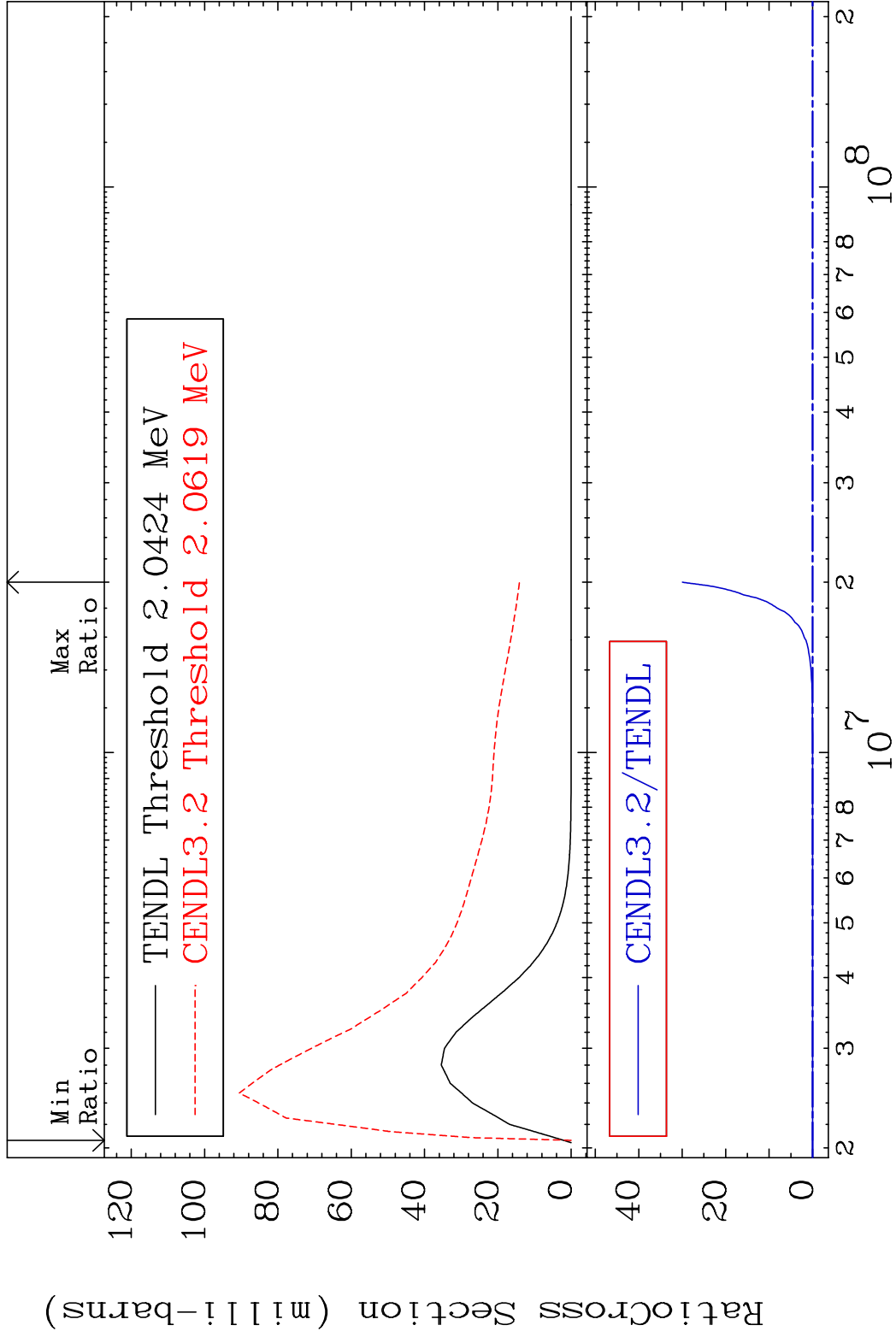


MAT 5631 MT= 61 (n,n') Level 56-Ba-132
Cross Section -100.0 To -43.87%

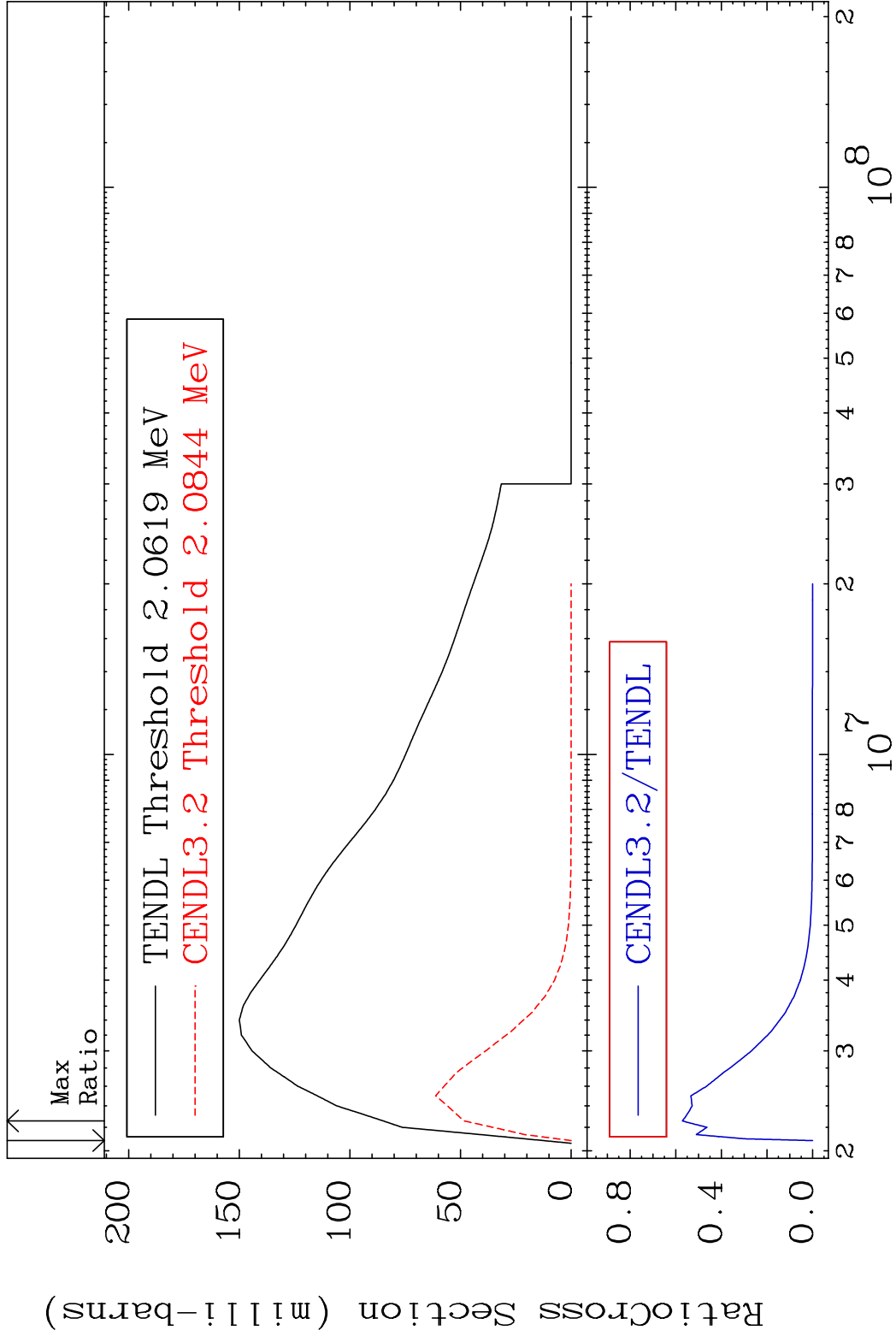


MAT 5631 MT= 62 (n,n') Level 56-Ba-132

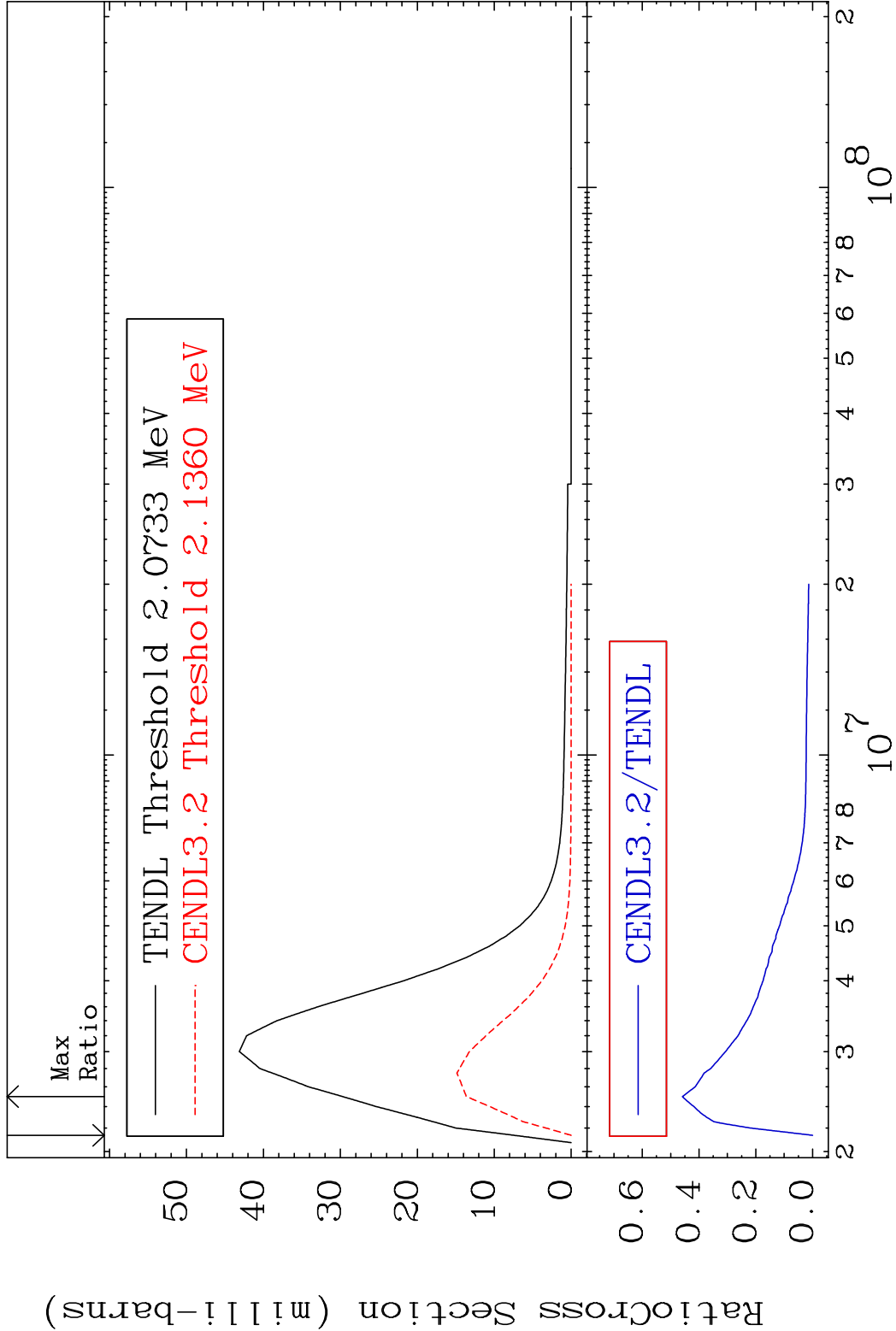
Cross Section -100.0 To 9999. %



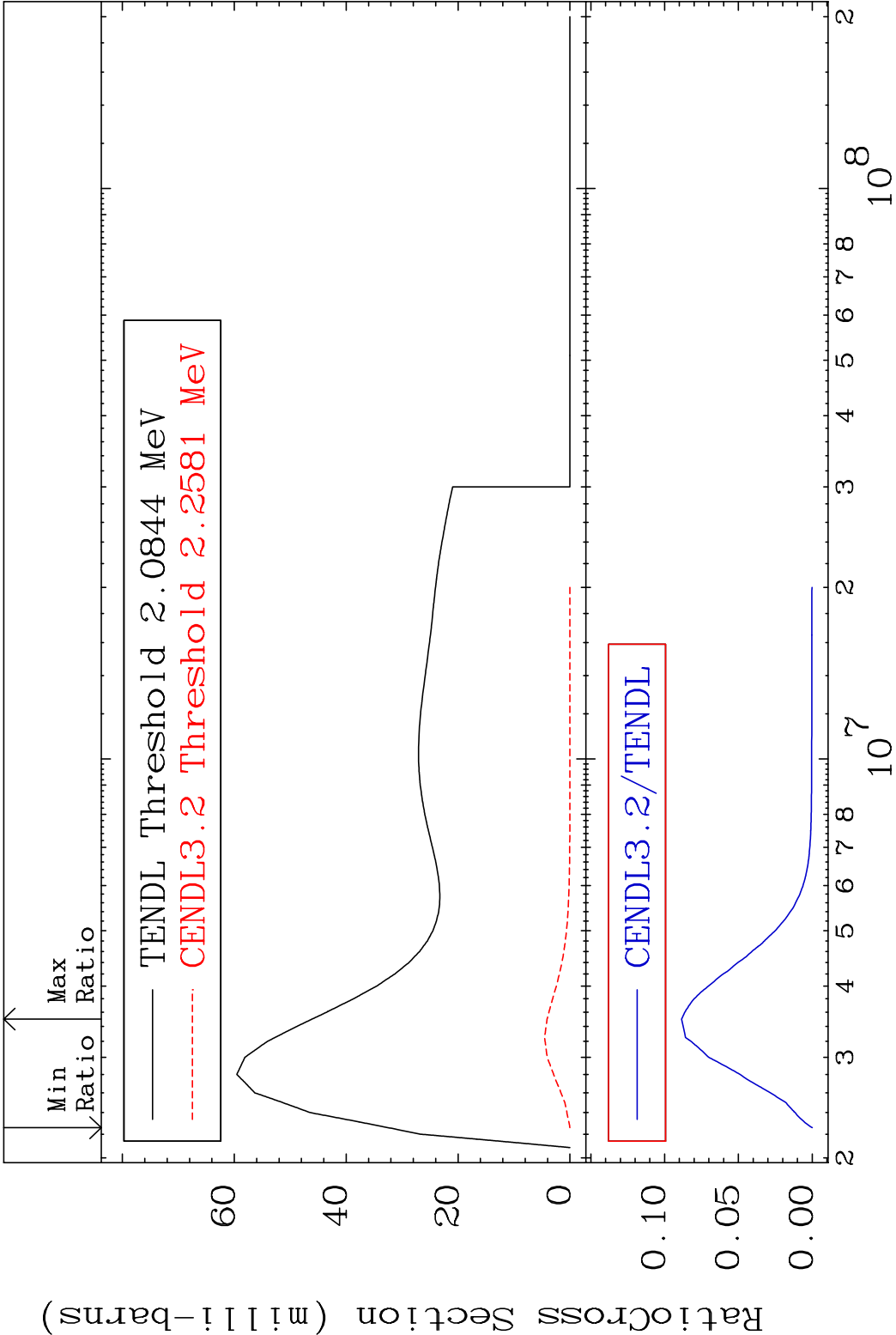
MAT 5631 MT= 63 (n,n') Level 56-Ba-132
Cross Section -100.0 To -42.90%

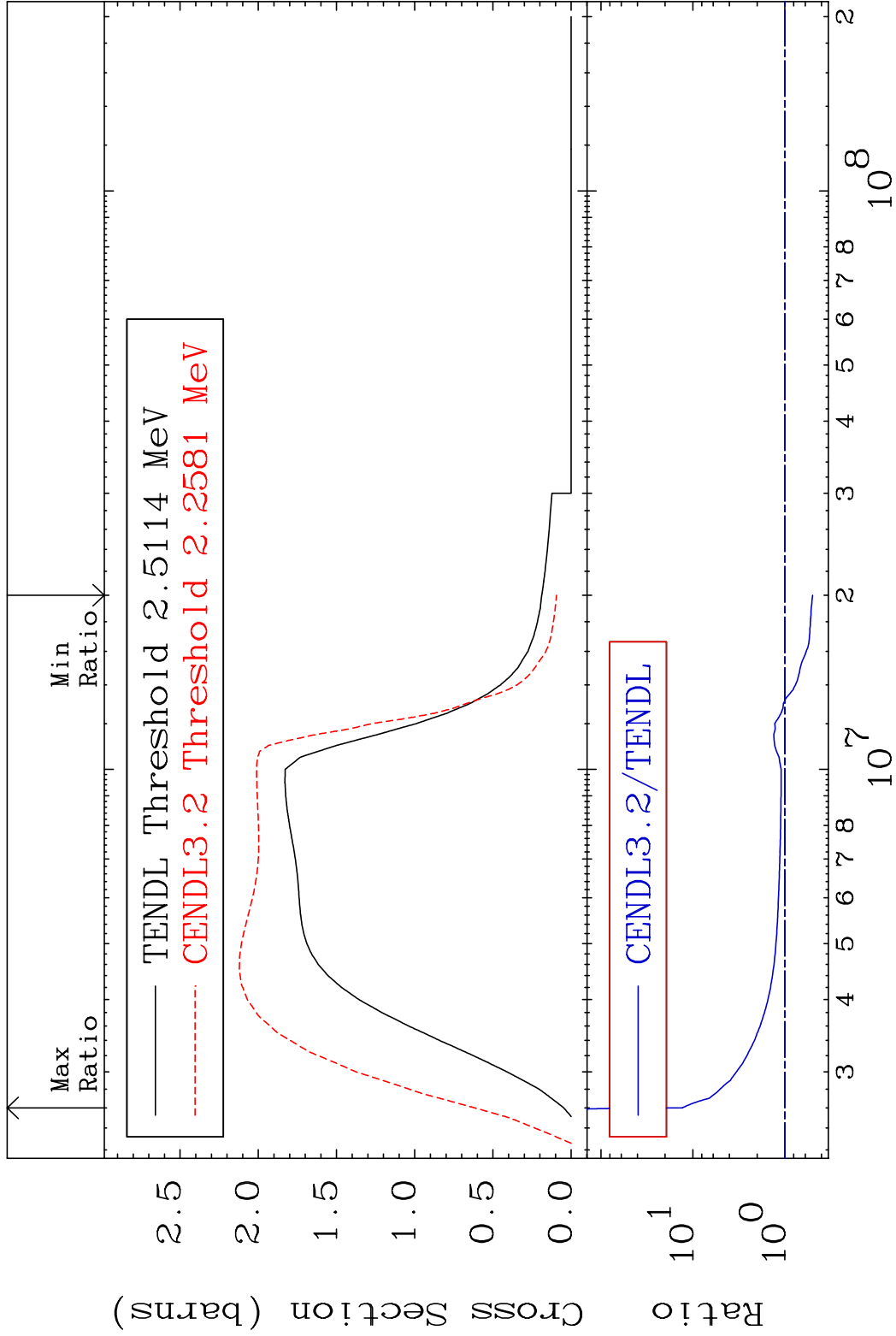


MAT 5631 MT= 64 (n,n') Level 56-Ba-132
Cross Section -100.0 To -54.12%



MAT 5631 MT= 65 (n,n') Level 56-Ba-132
Cross Section -100.0 To -91.15%



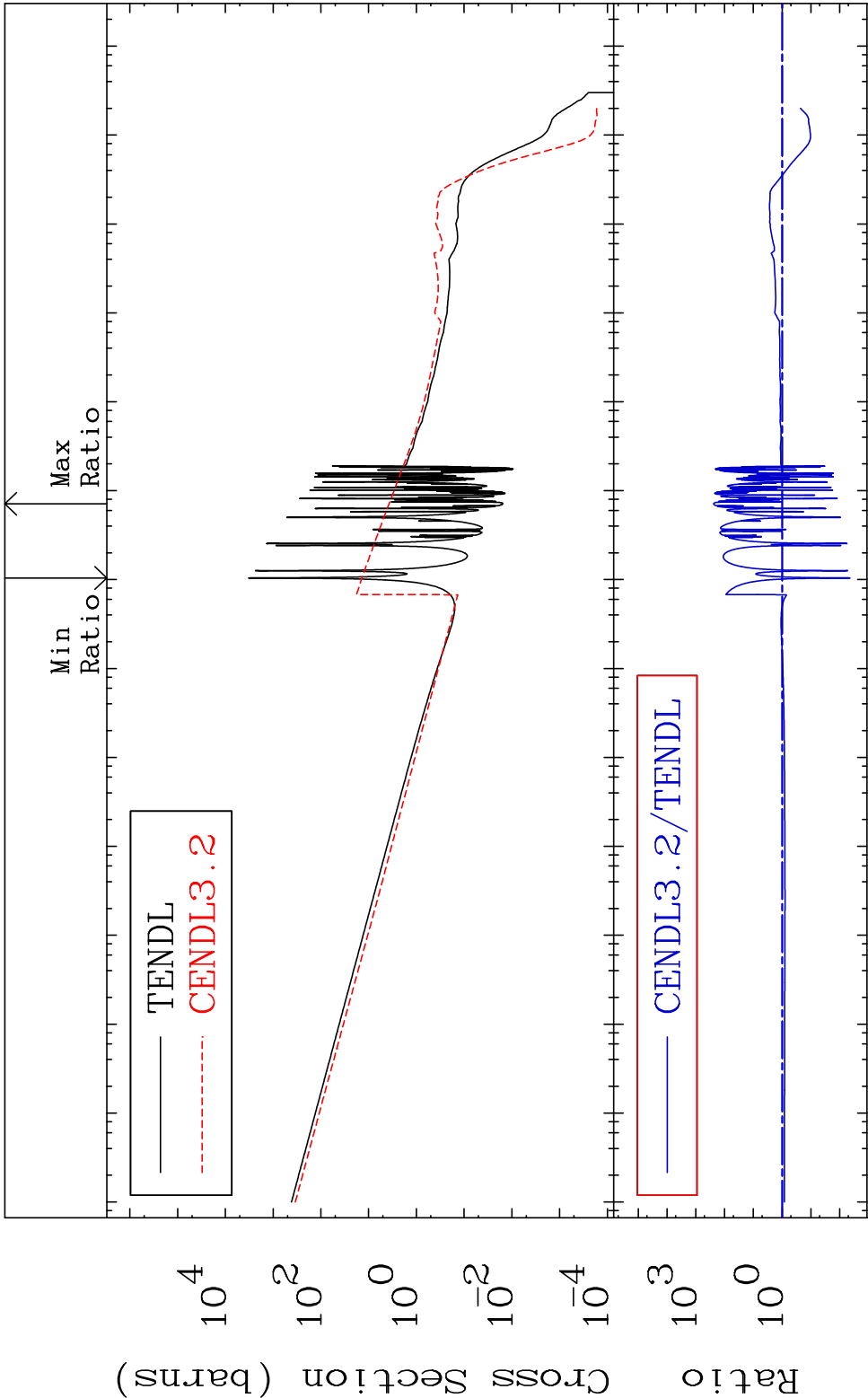


MAT 5631

(n, γ)

56-Ba-132

Cross Section -99.58 To 9999. %

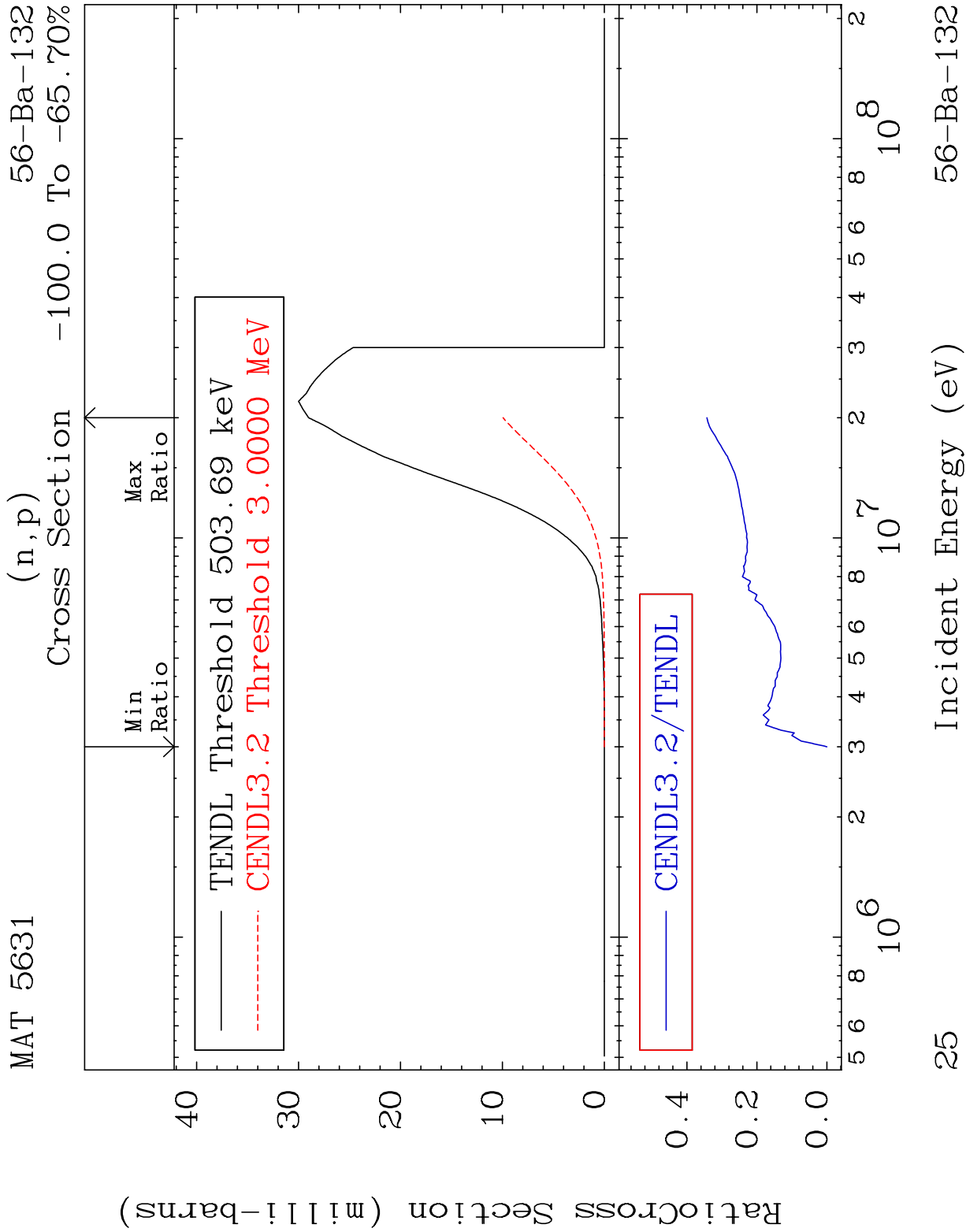


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

24

Incident Energy (eV)

56-Ba-132

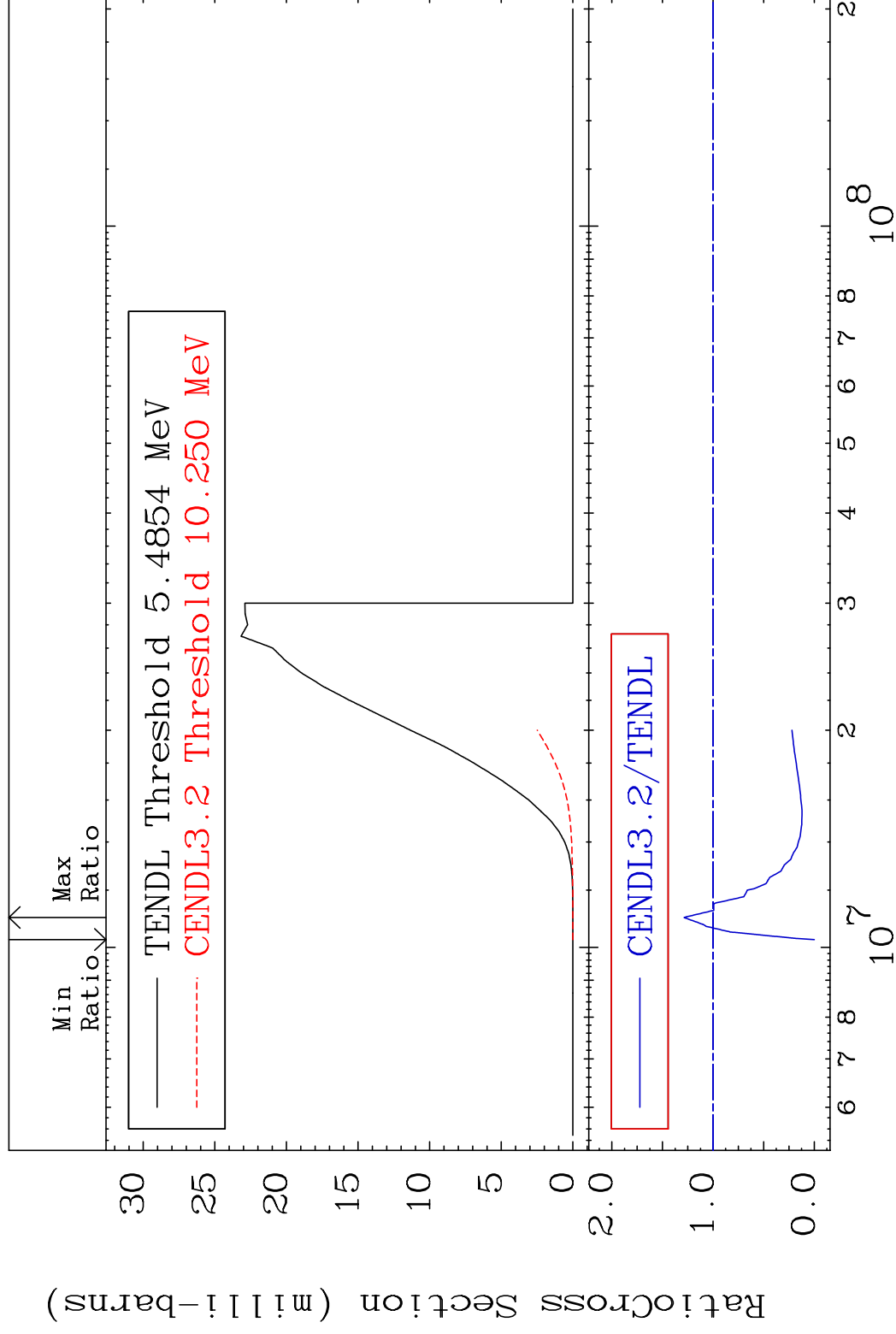


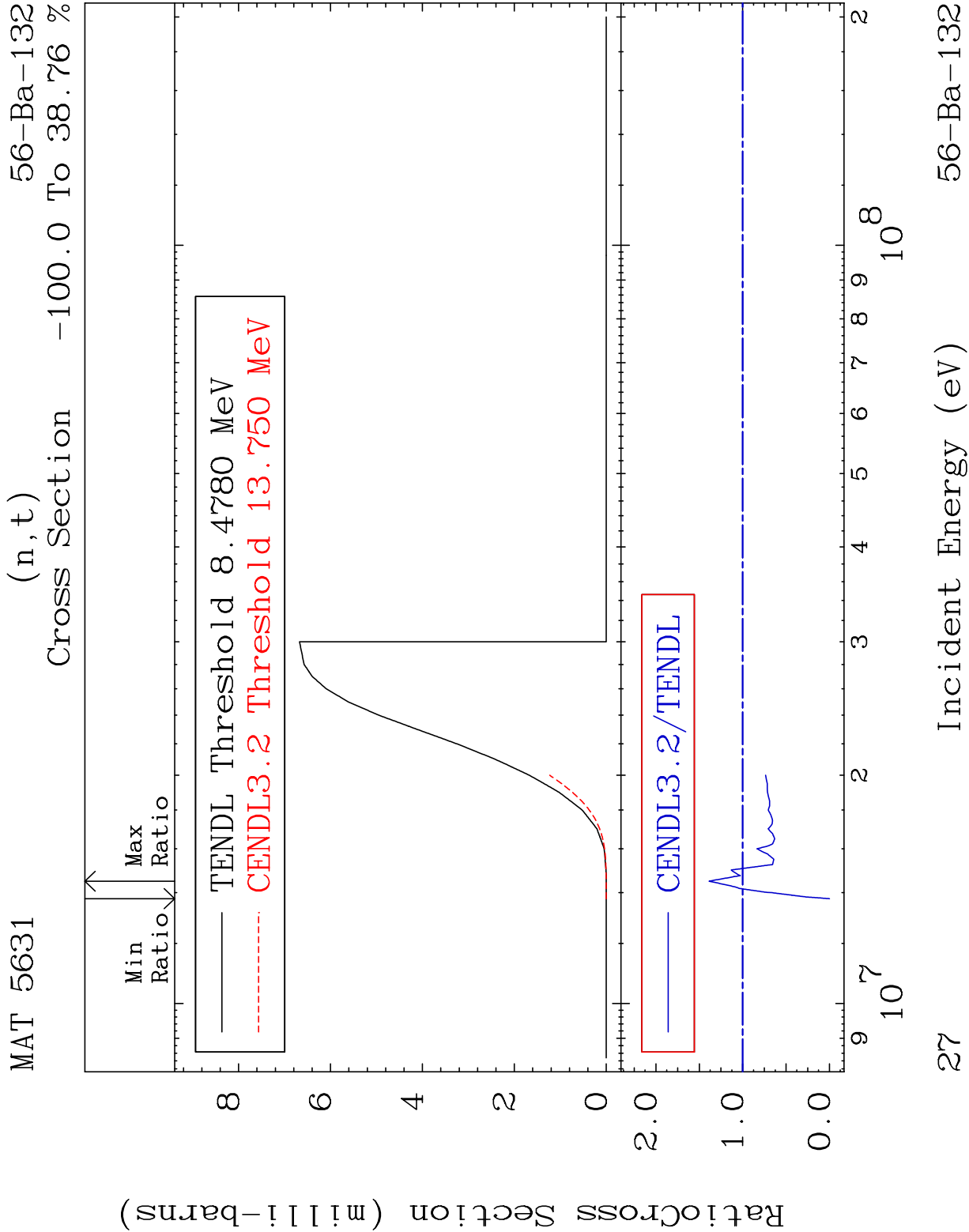
MAT 5631

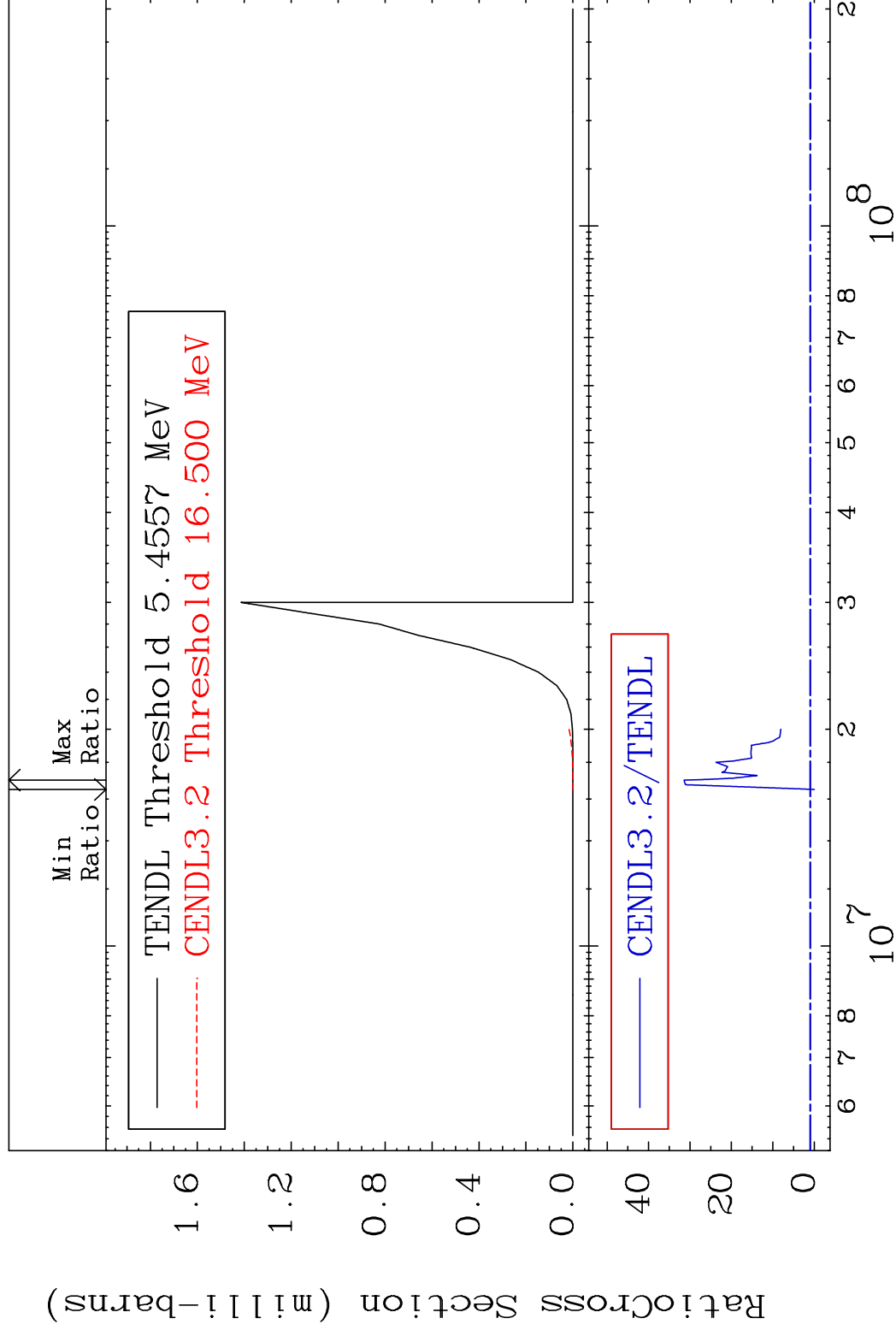
 (n, d)

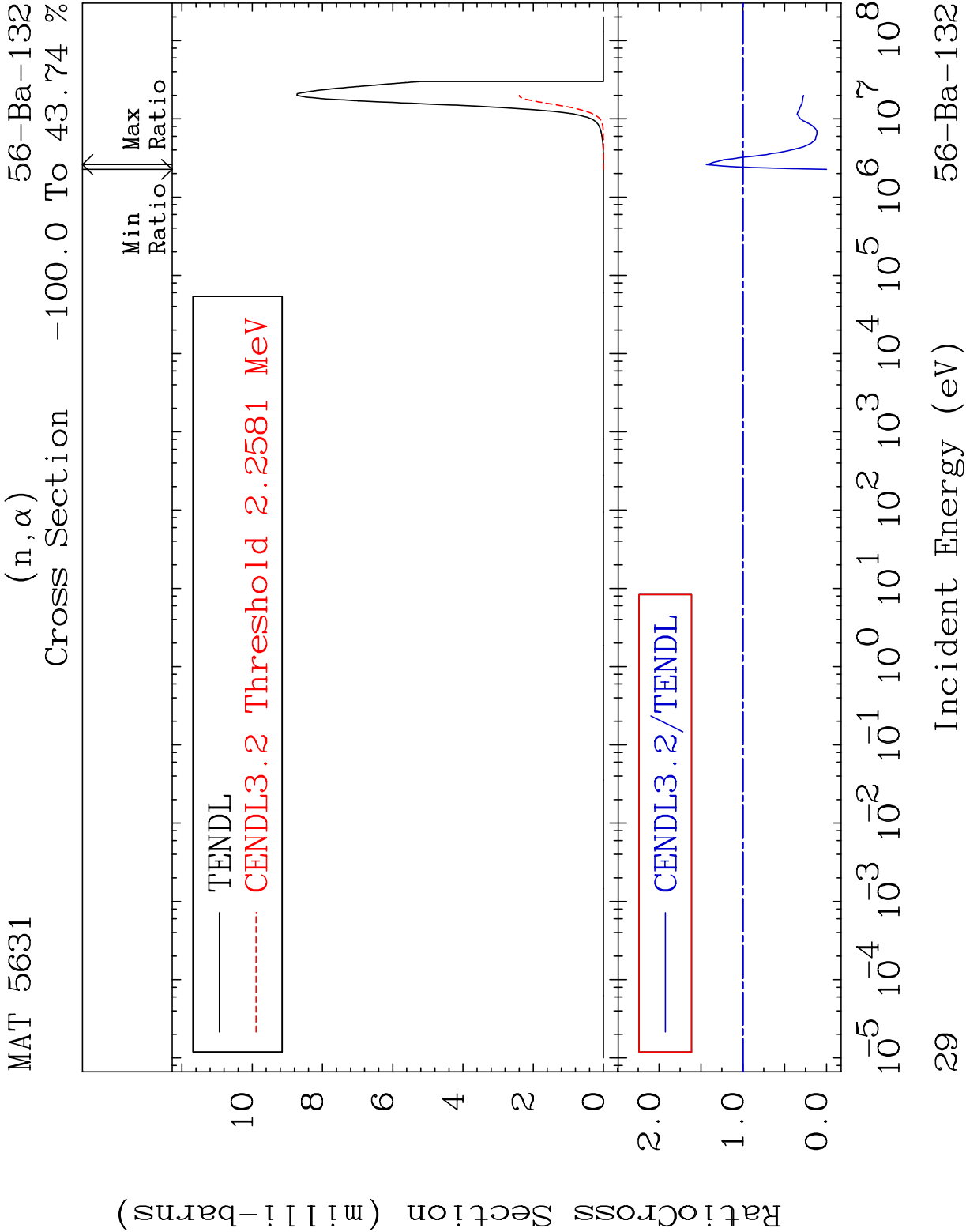
56-Ba-132

Cross Section -100.0 To 28.65 %

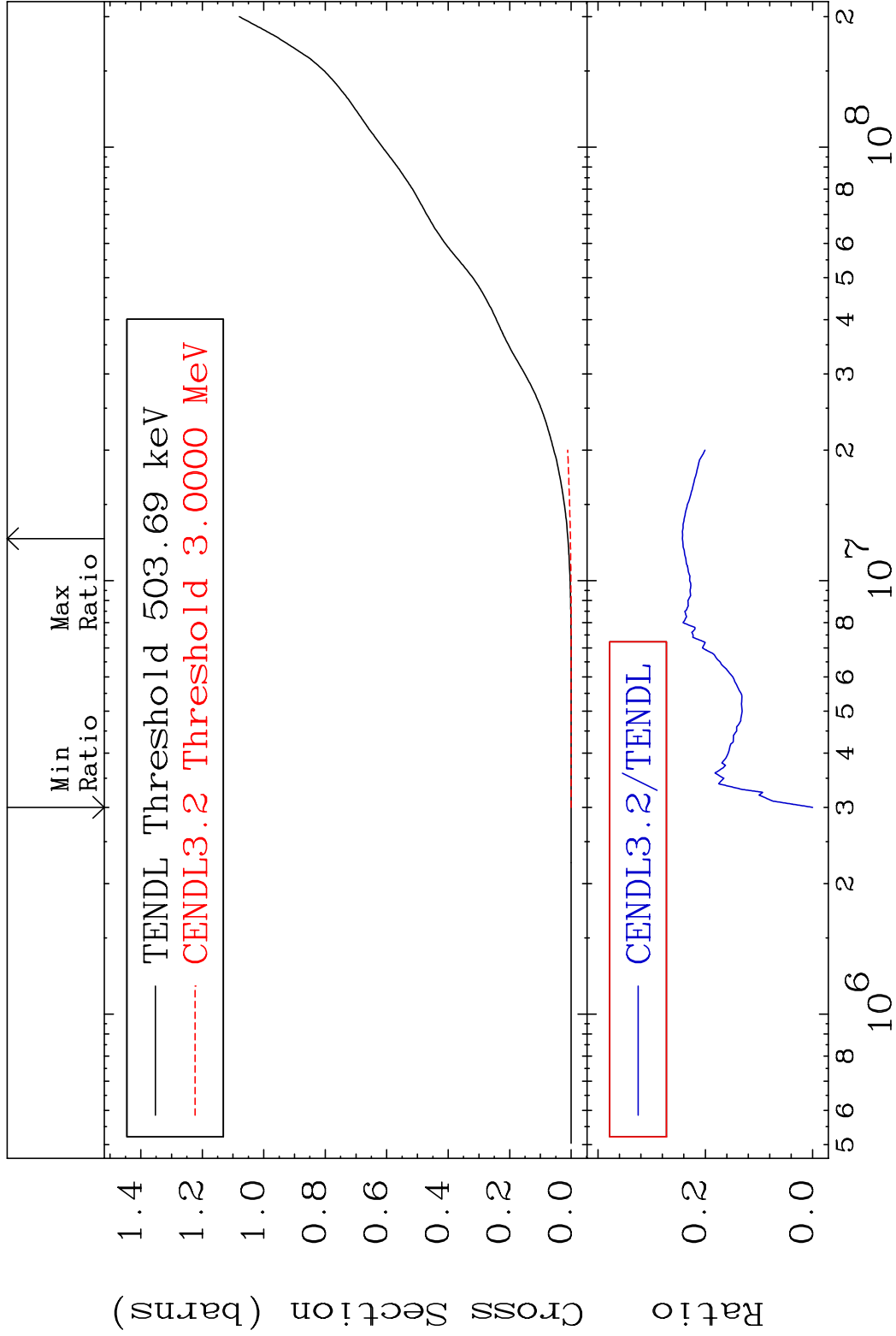








MAT 5631 Hydrogen Production 56-Ba-132
Cross Section -100.0 To -75.72%



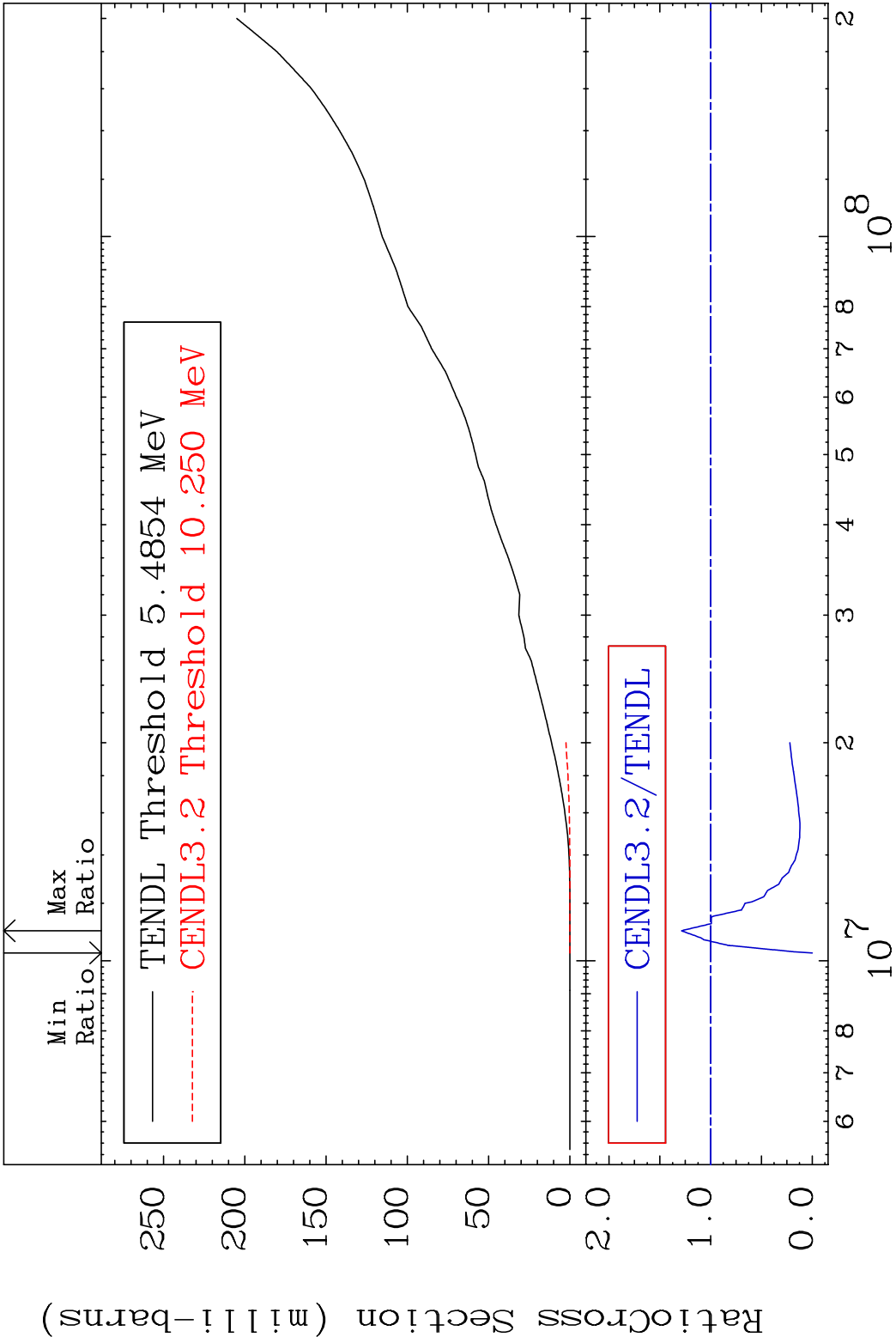
MAT 5631

Deuterium Production

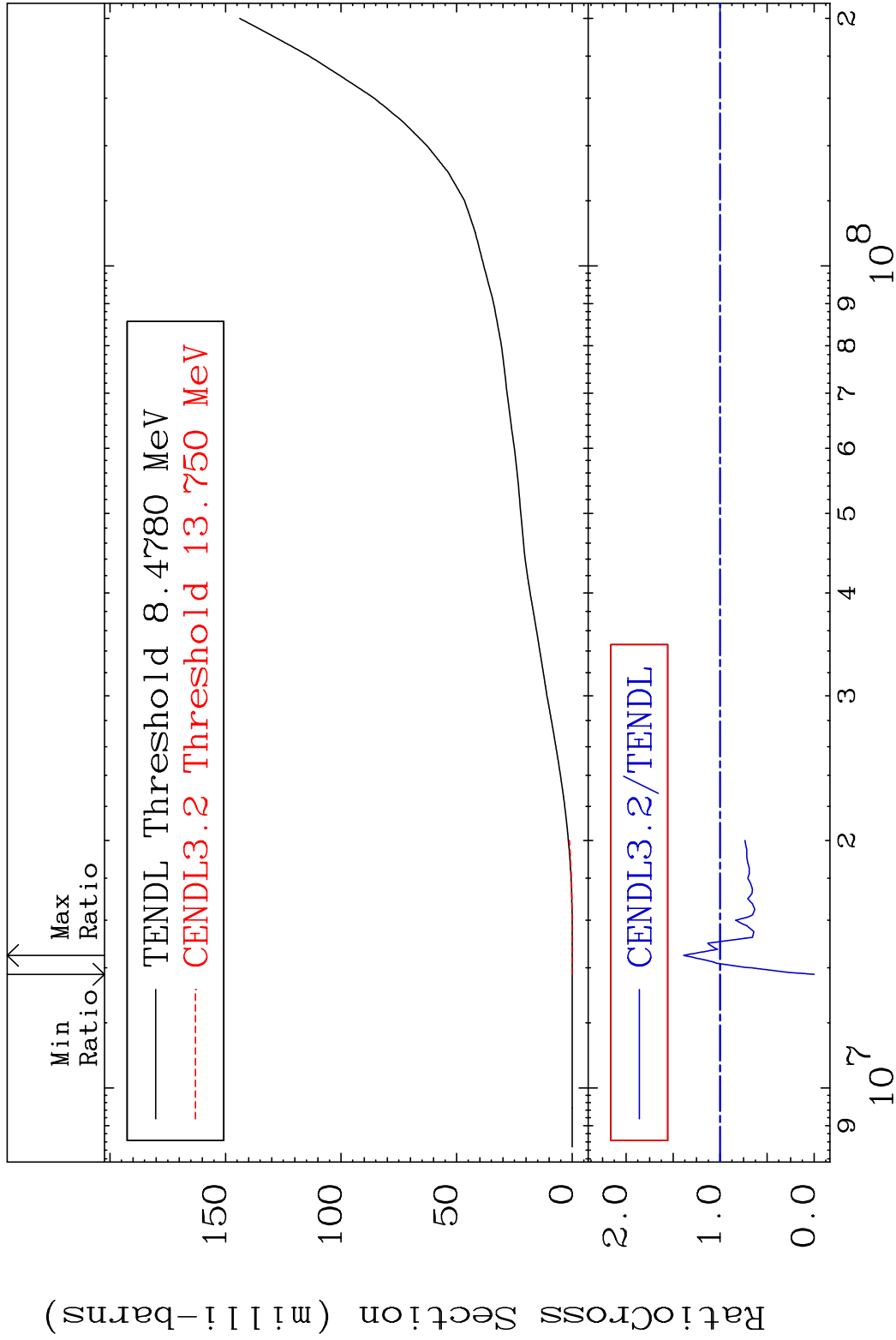
56-Ba-132

Cross Section

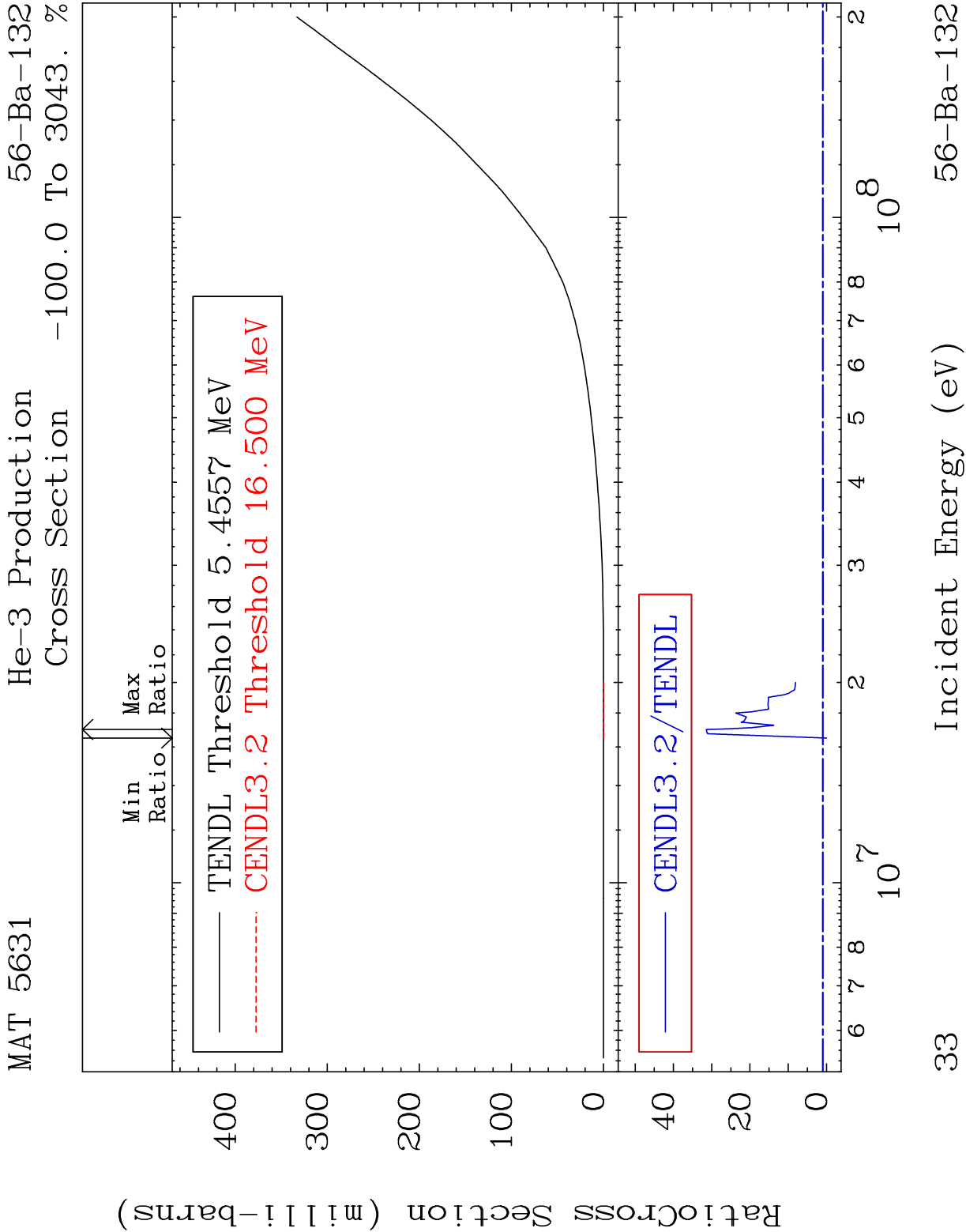
-100.0 To 28.65 %

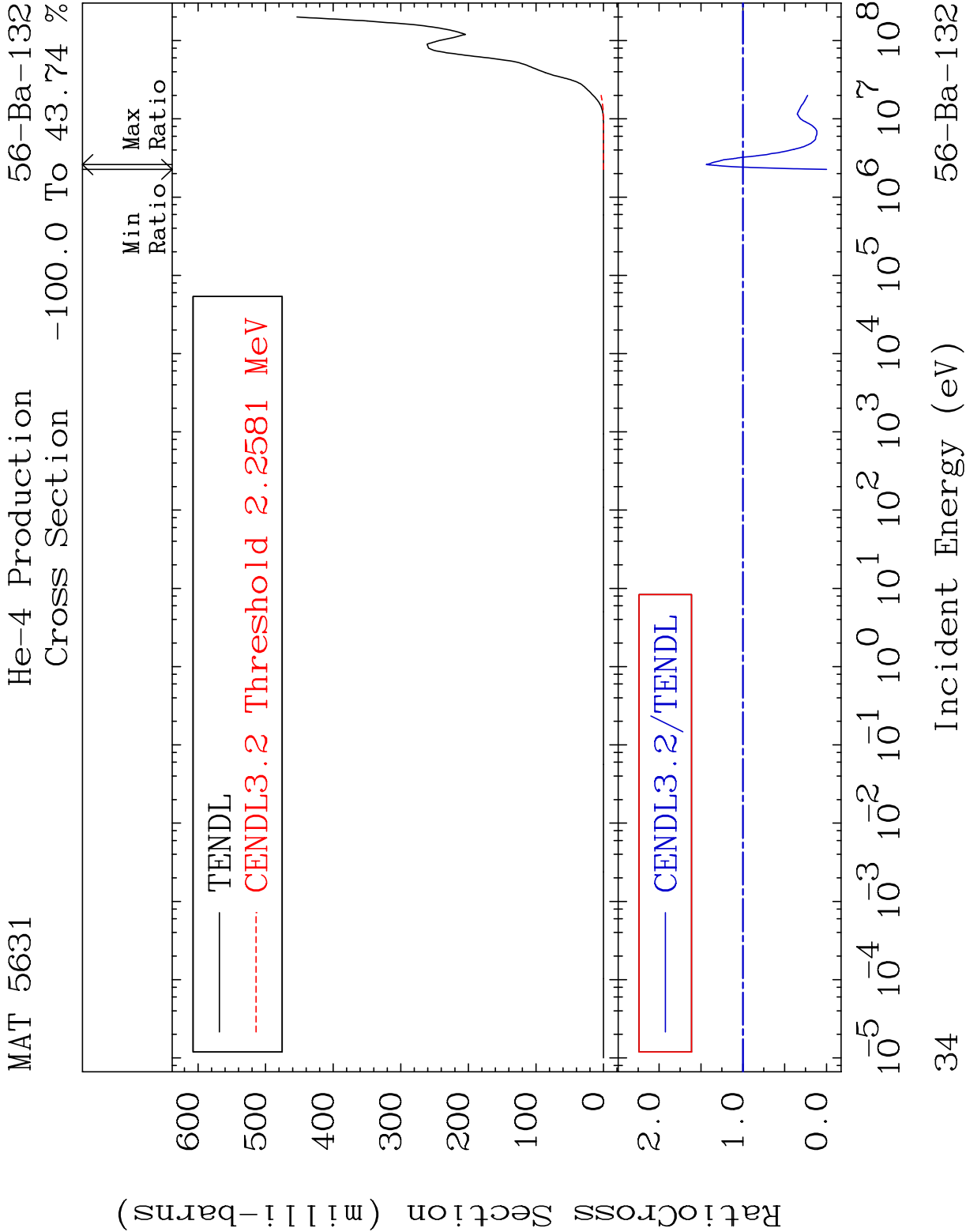


MAT 5631 Tritium Production 56-Ba-132
Cross Section -100.0 To 38.76 %

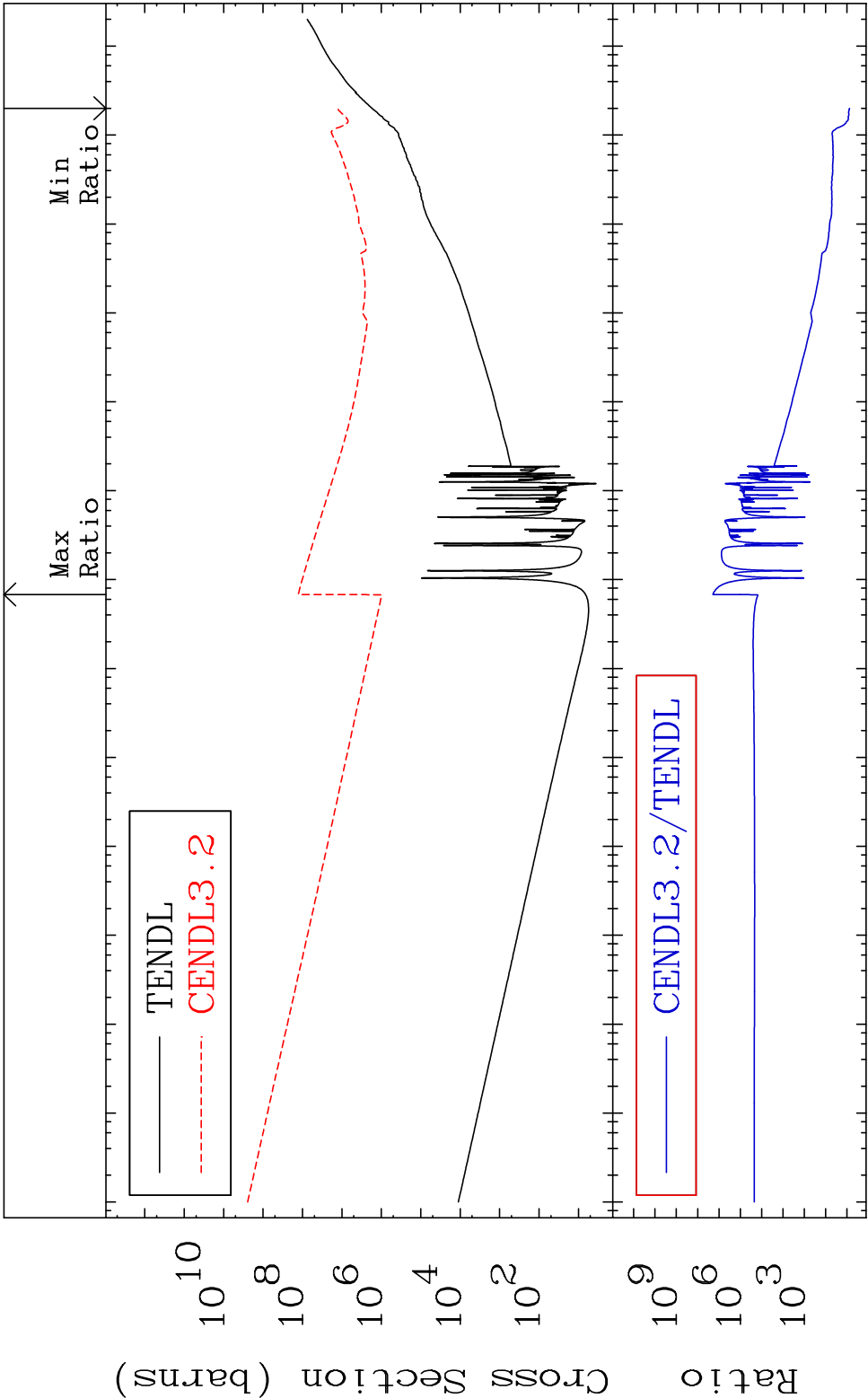


32 Incident Energy (eV) 56-Ba-132



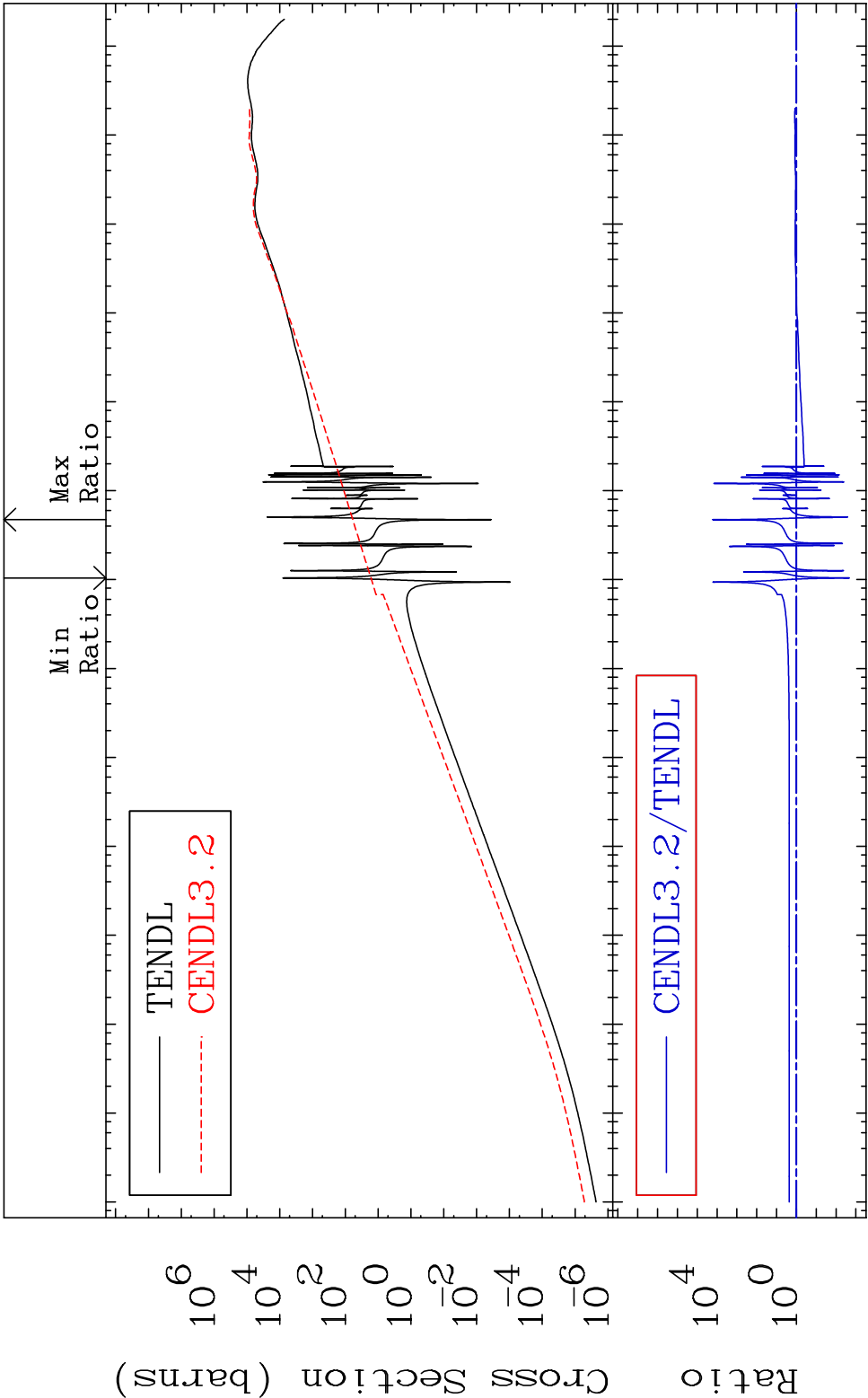


MAT 5631	Kerma total (eV-barns)	56-Ba-132
	Cross Section	654.7 To 9999. %



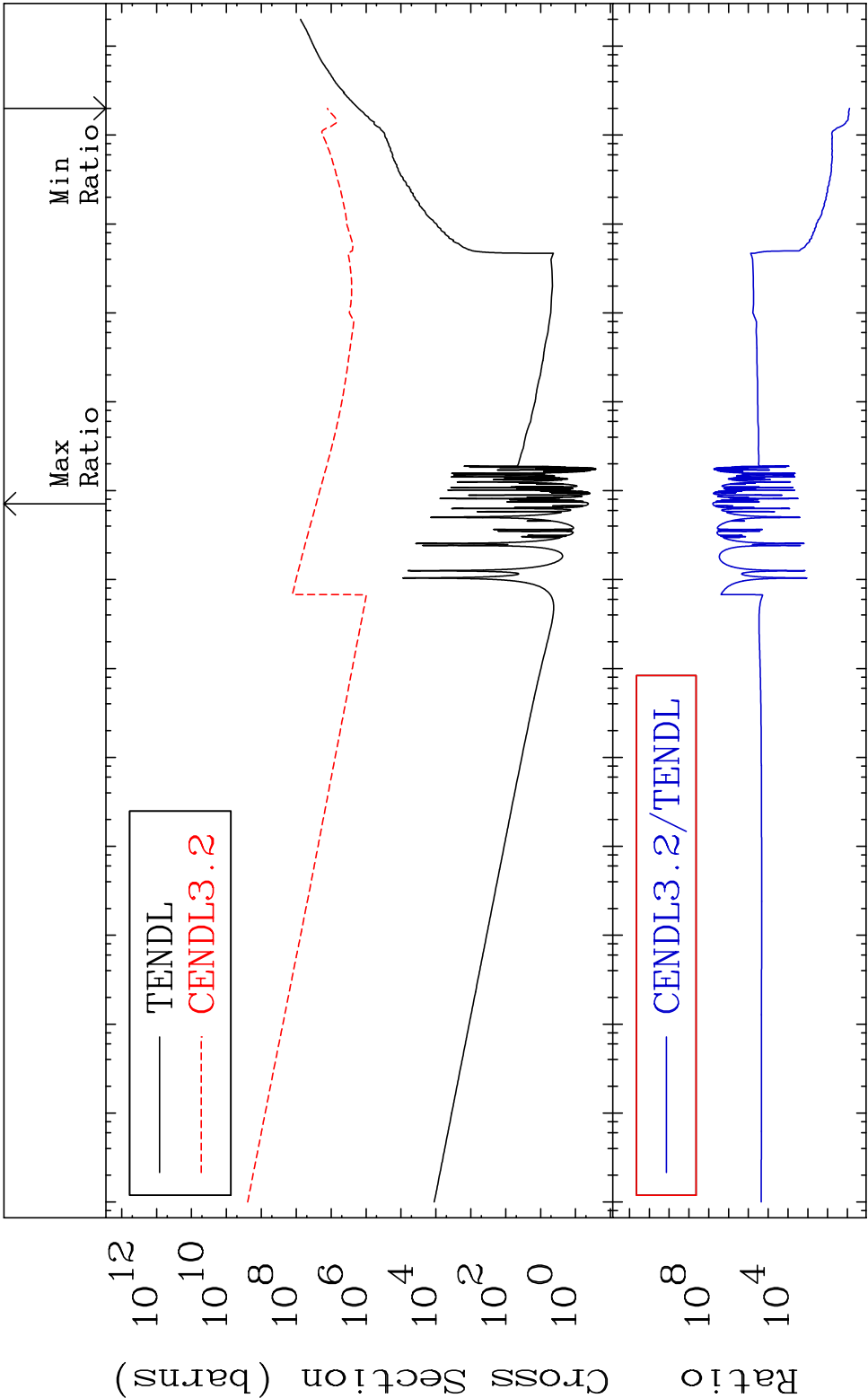
35	Incident Energy (eV)	56-Ba-132
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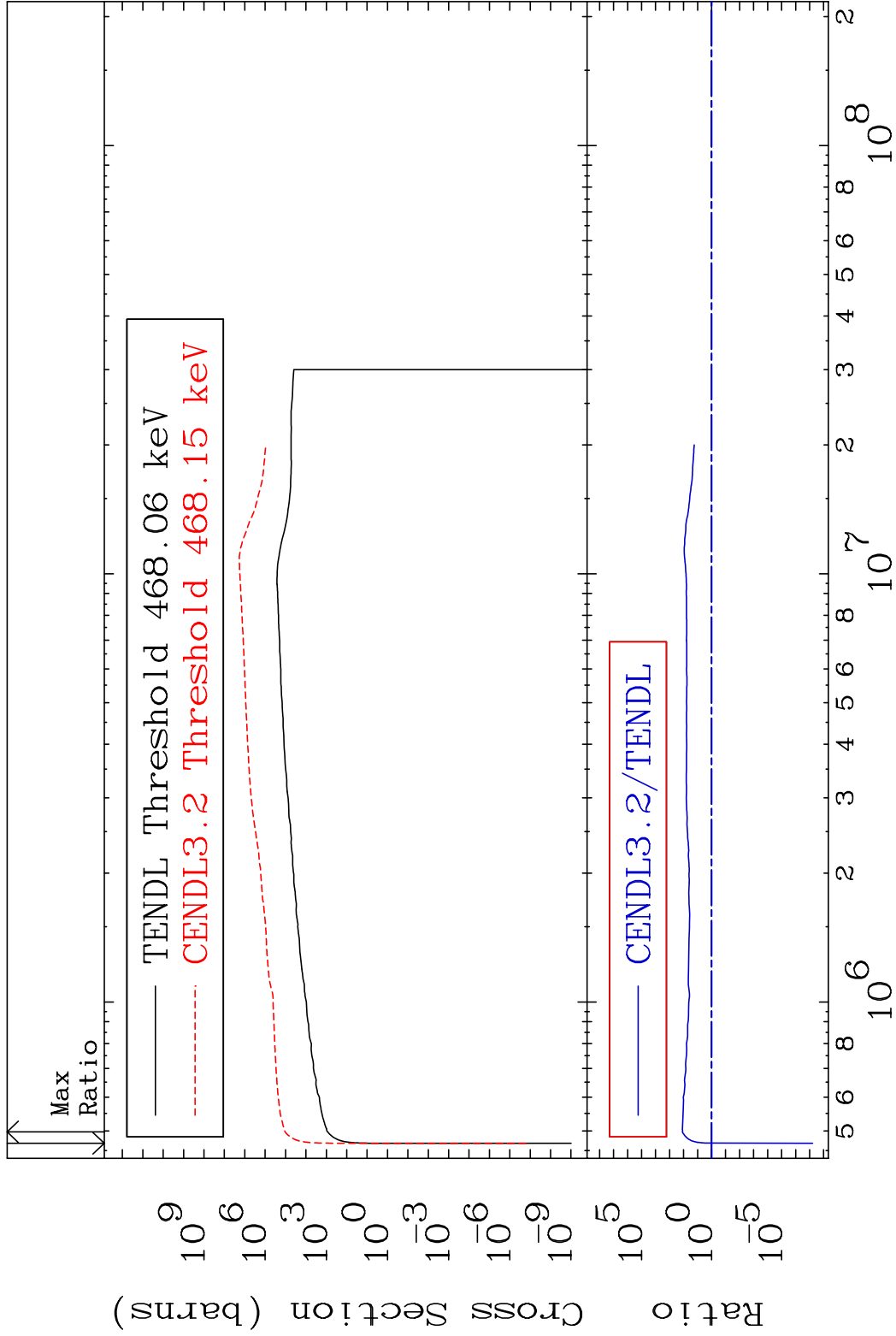
MAT 5631	Kerma elastic	56-Ba-132
	Cross Section	-99.79 To 9999. %



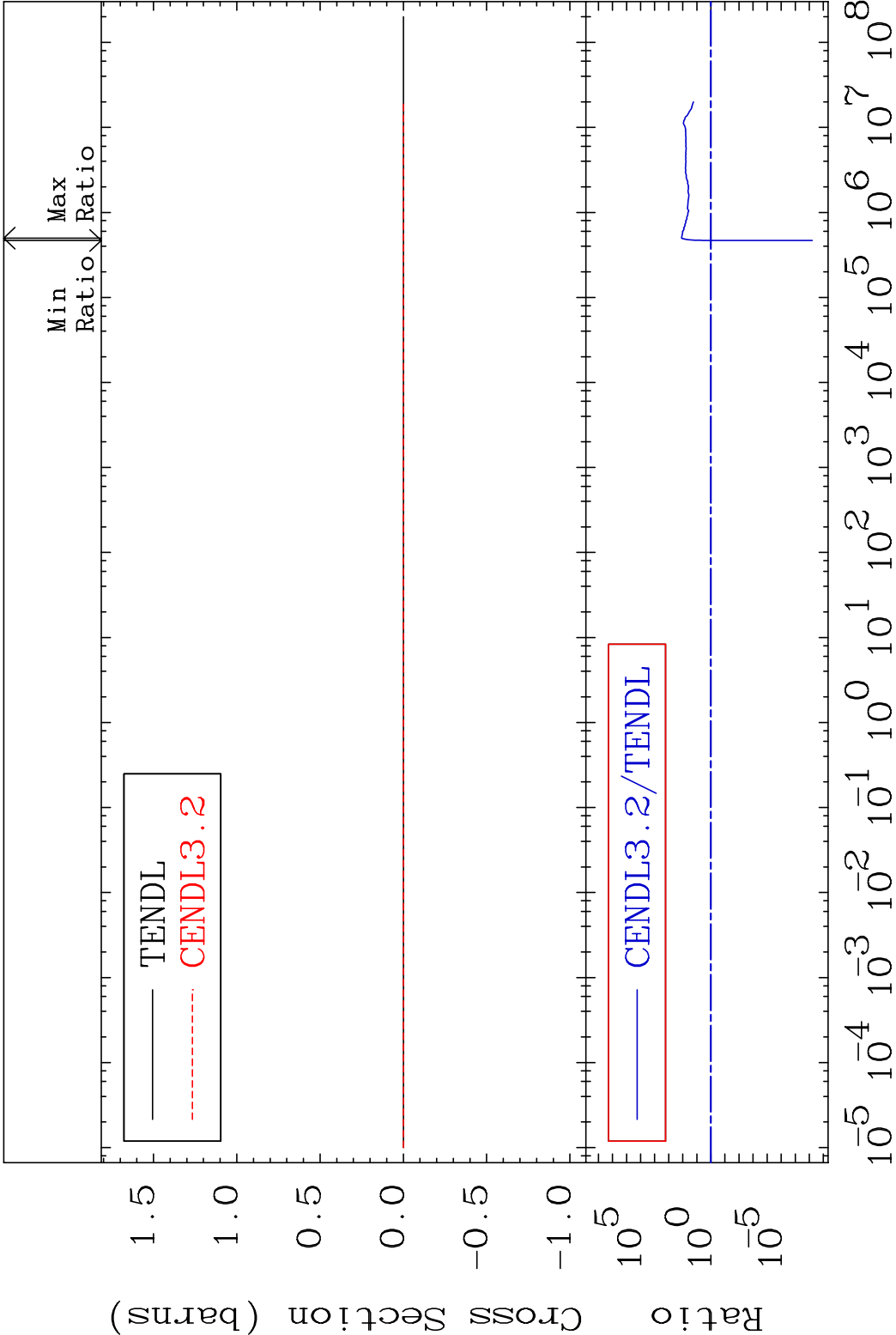
36	Incident Energy (eV)	56-Ba-132
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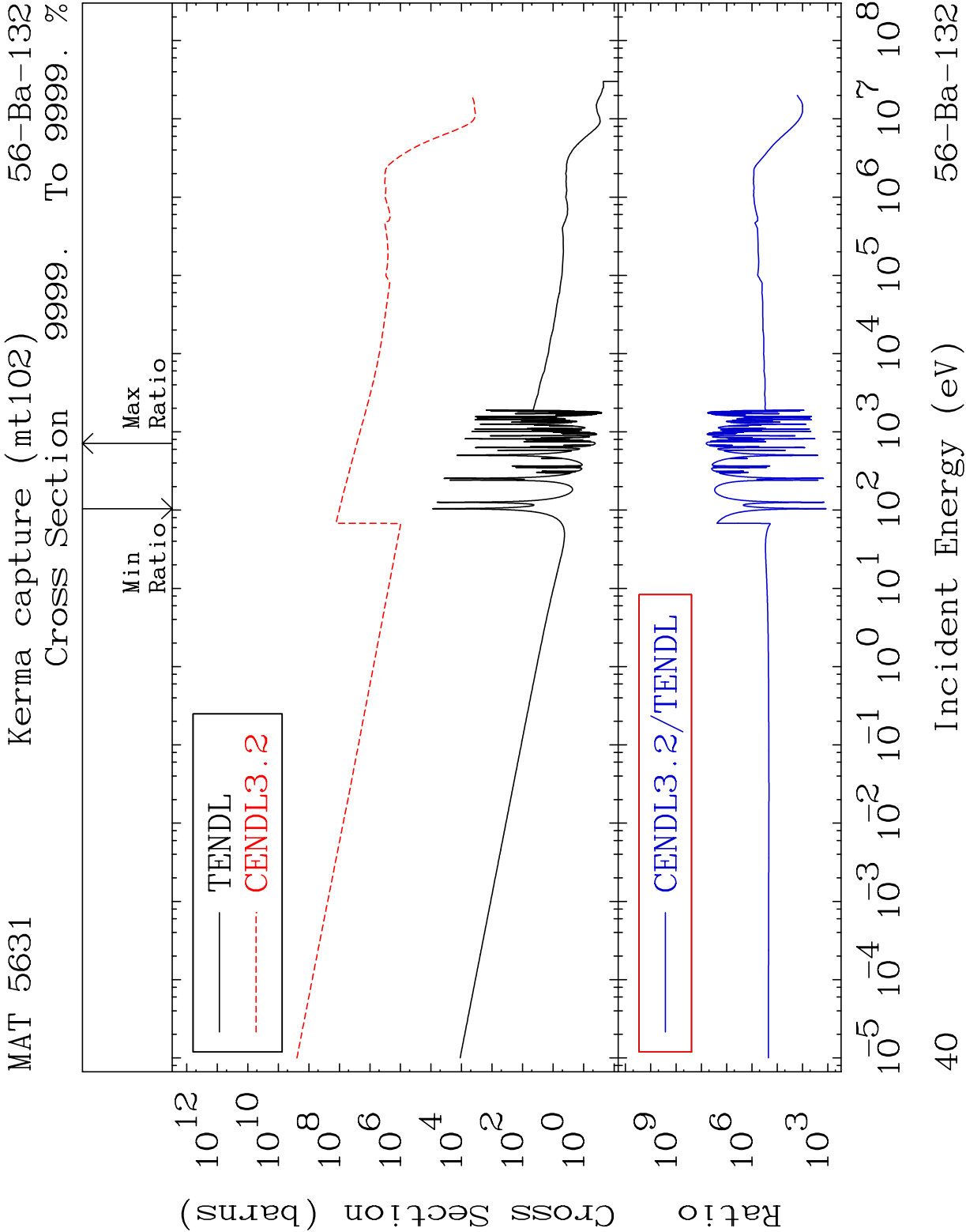
MAT 5631	Kerma non-elastic (all but mt2)	56-Ba-132
	Cross Section	682.4 To 9999. %

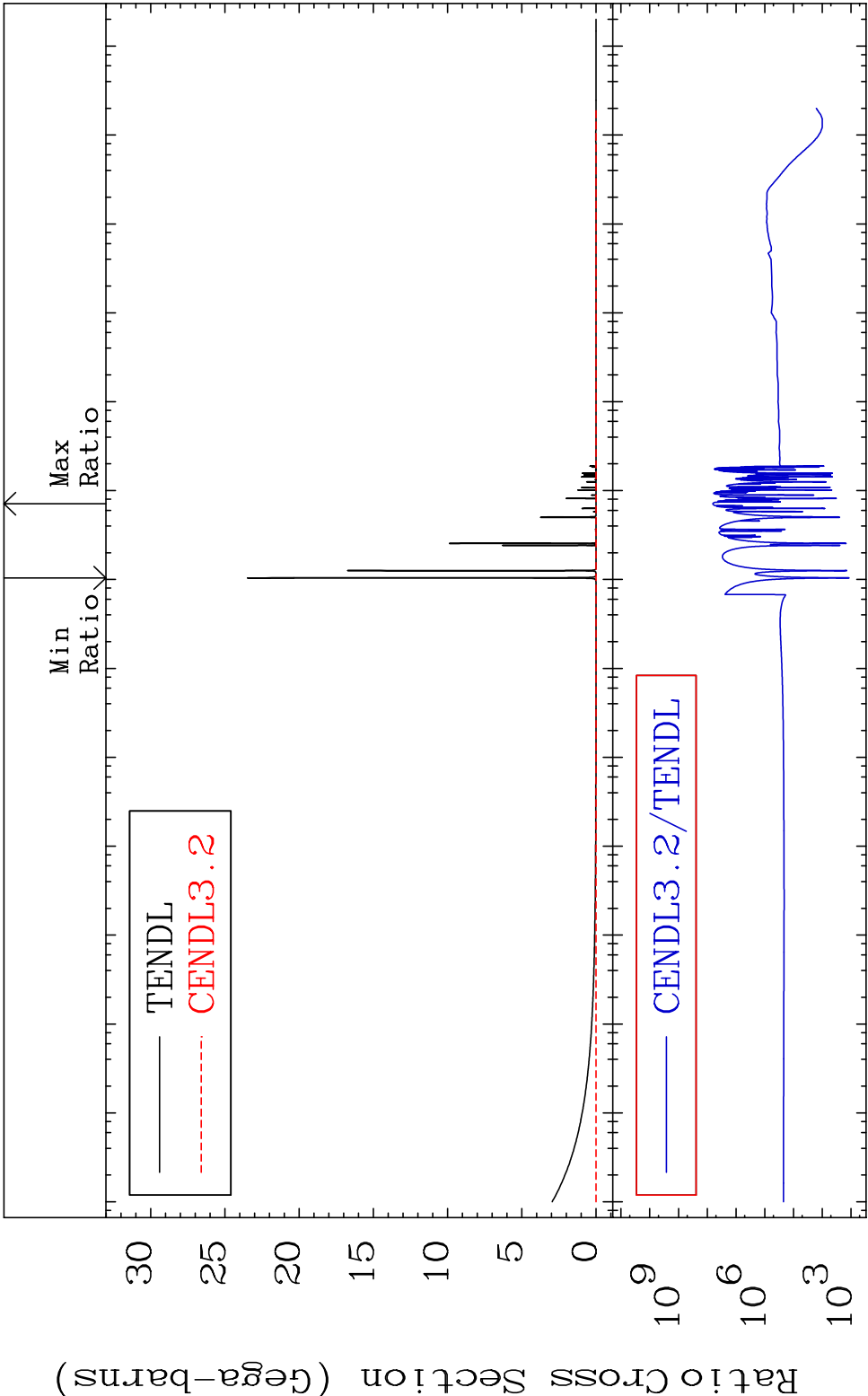




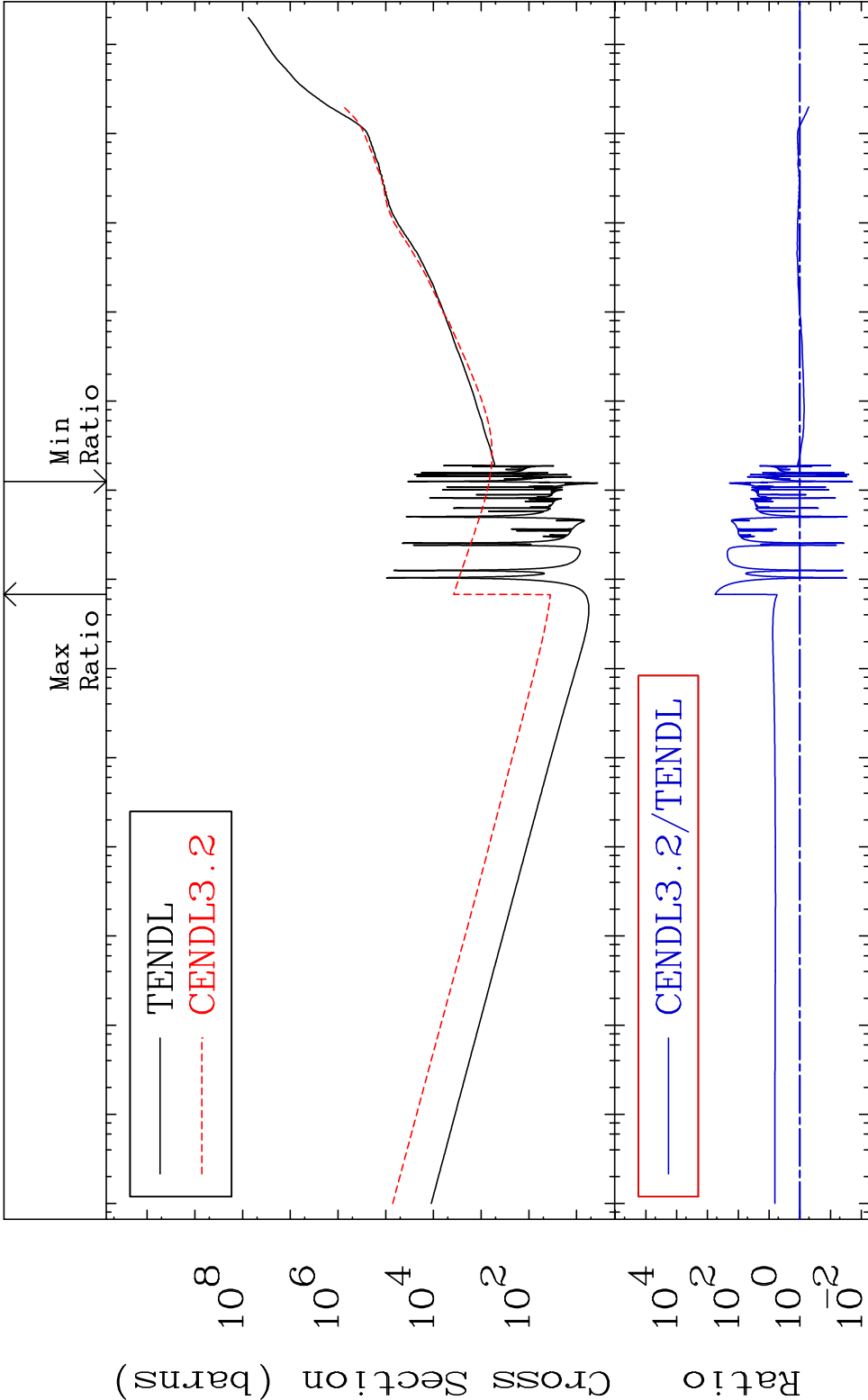
MAT 5631 Kerma fission (mt18 or mt19-20-21-38)56-Ba-132
Cross Section -100.0 To 9999. %





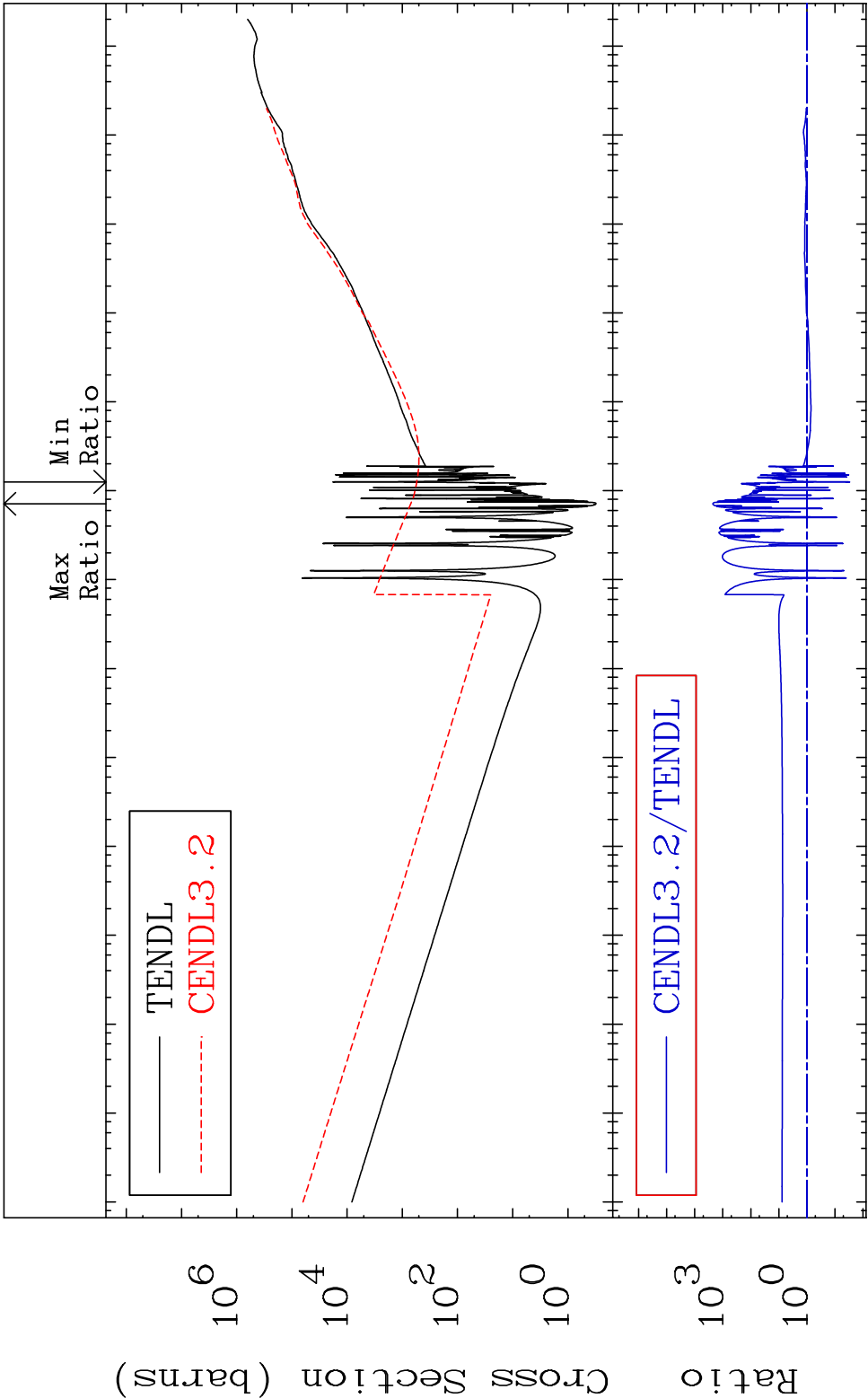


MAT 5631 Total kinematic kerma (high limit) 56-Ba-132
Cross Section -98.02 To 9999. %



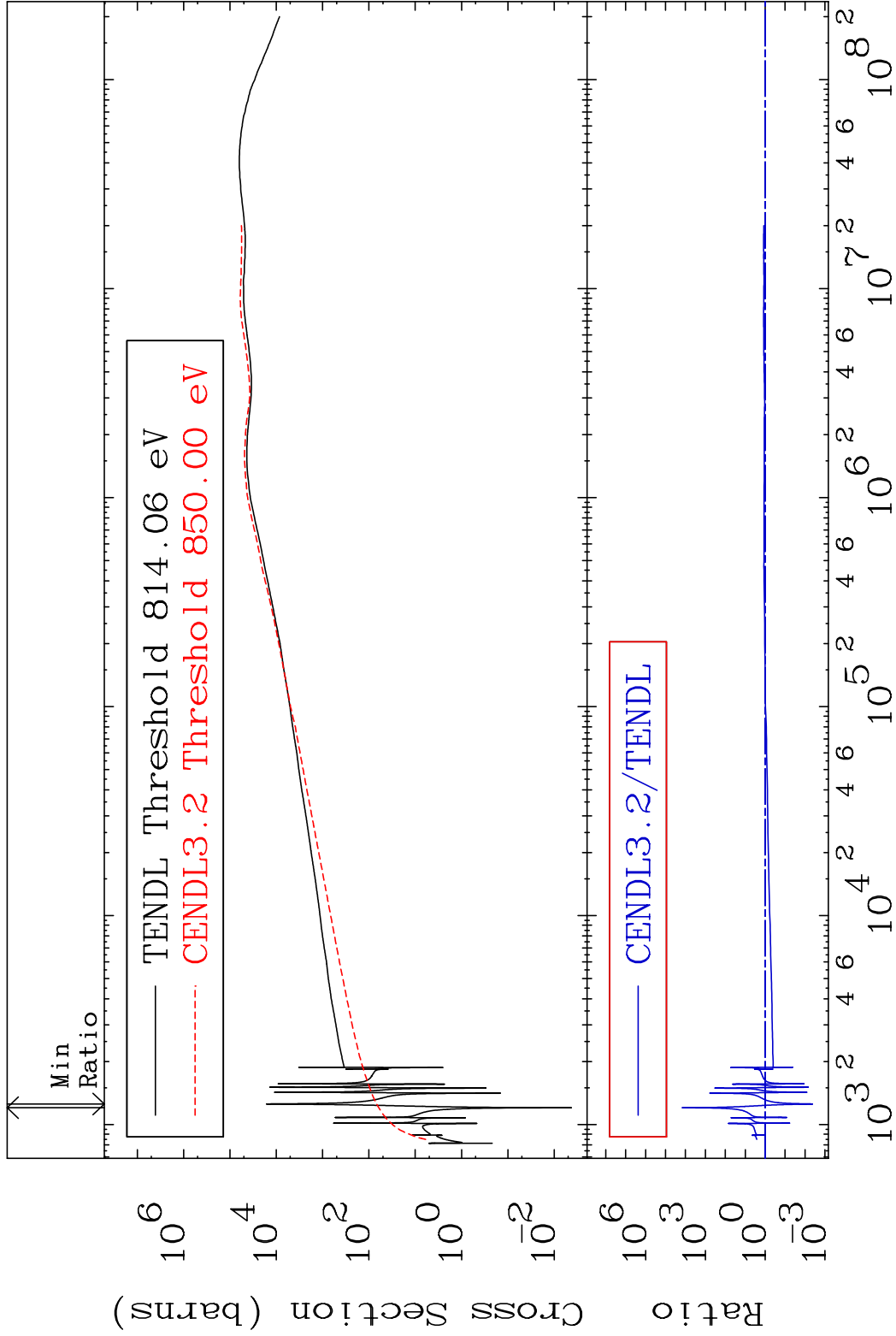
42 Incident Energy (eV) 56-Ba-132

MAT 5631 Dpa total (eV-barns) 56-Ba-132
Cross Section -96.96 To 9999. %



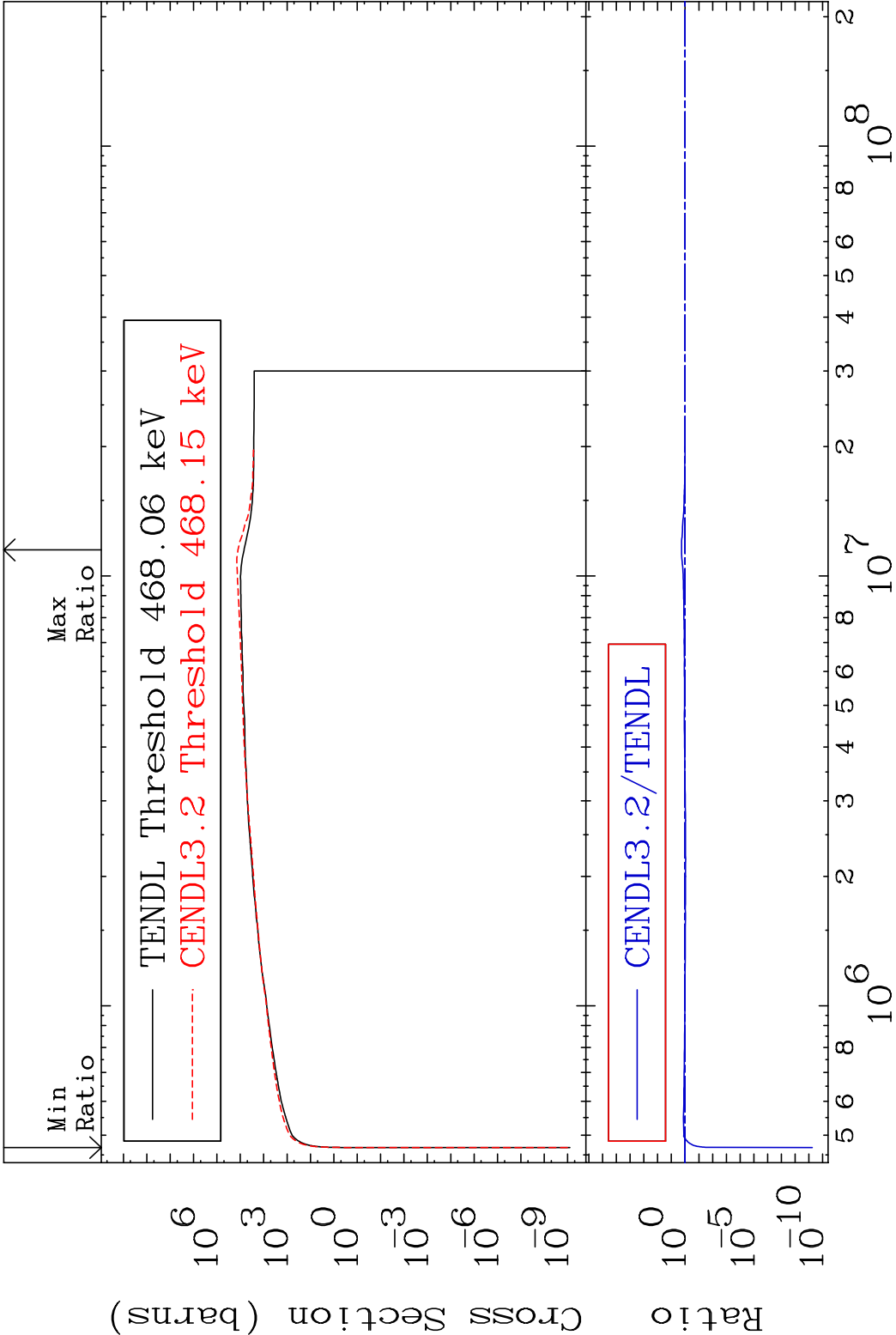
43 Incident Energy (eV) 56-Ba-132

MAT 5631 Dpa elastic (mt2) 56-Ba-132
Cross Section -99.58 To 9999. %

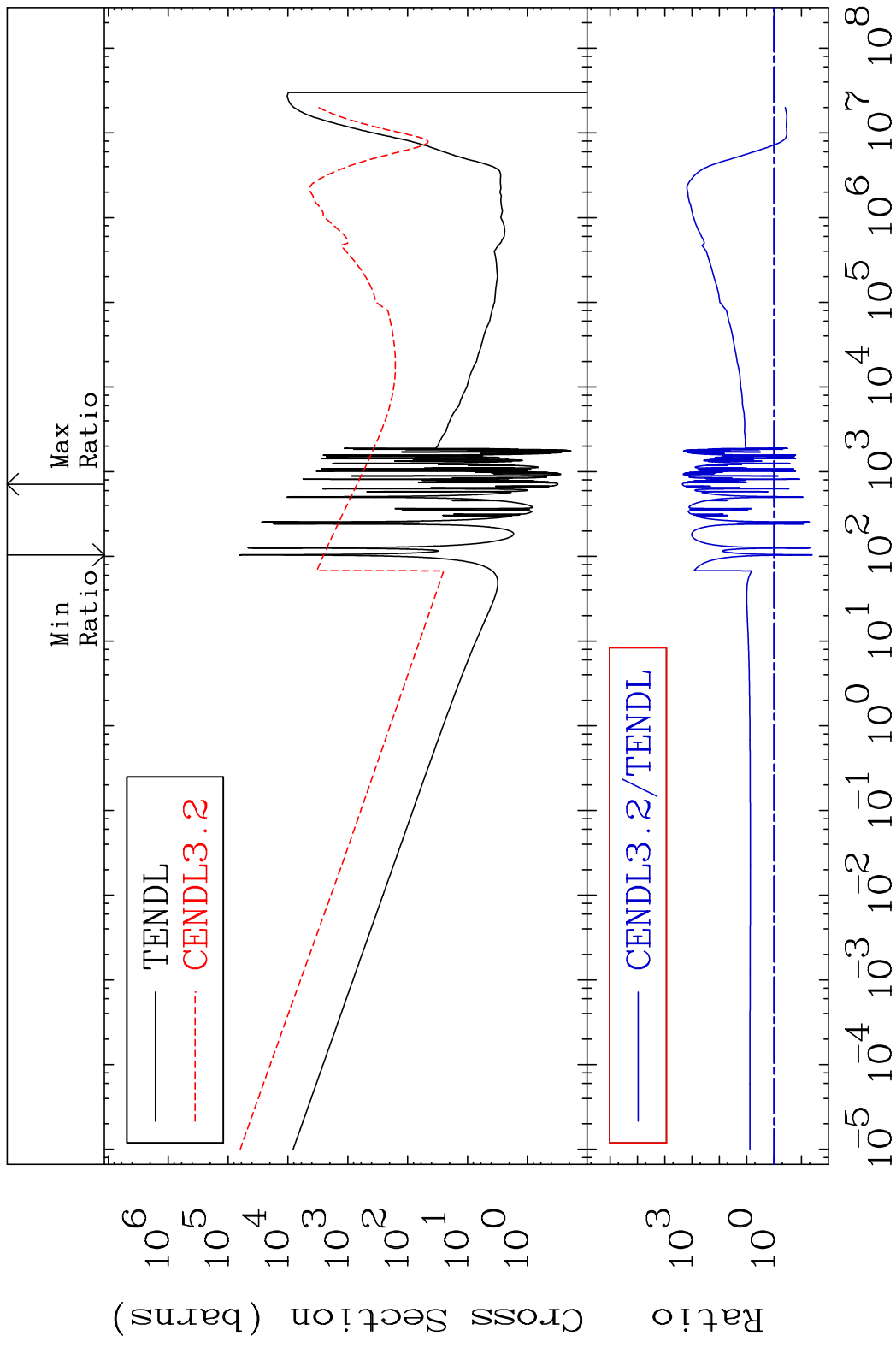


44 Incident Energy (eV) 56-Ba-132

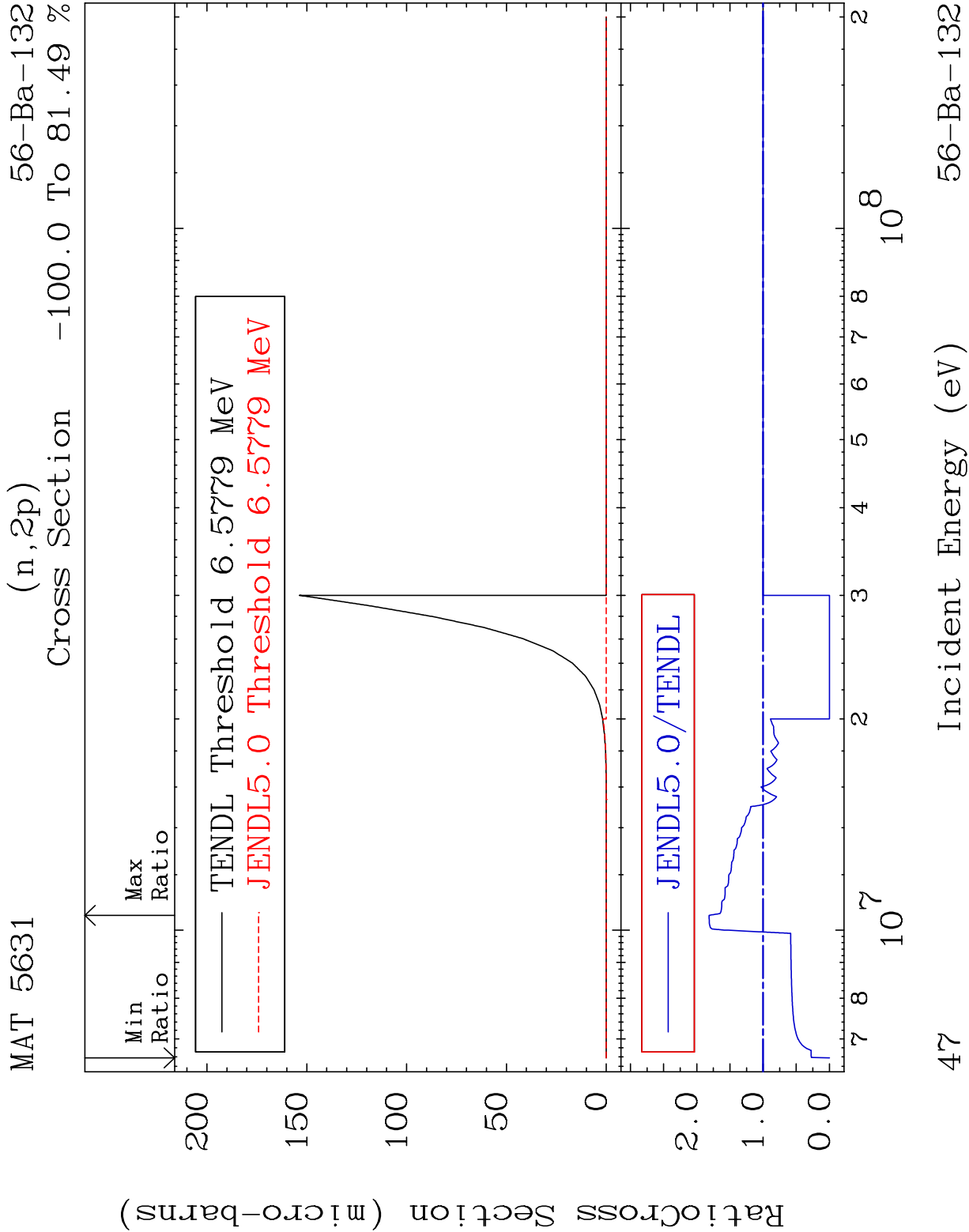
MAT 5631 Dpa inelastic (mt51-91) 56-Ba-132
Cross Section -100.0 To 81.85 %

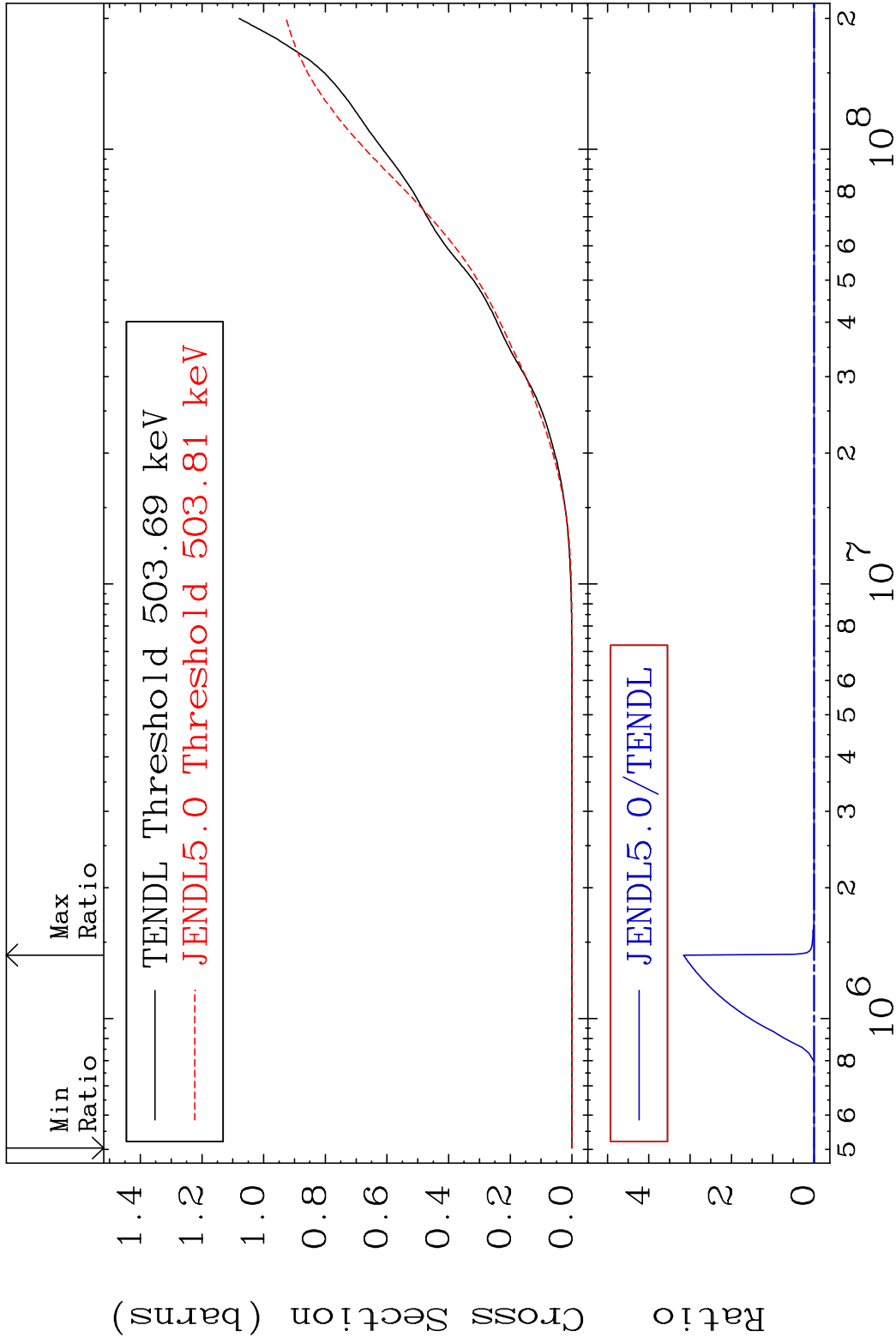


MAT 5631	Dpa disappearance (mt102	56-Ba-132
	Cross Section	-96.10 To 9999. %

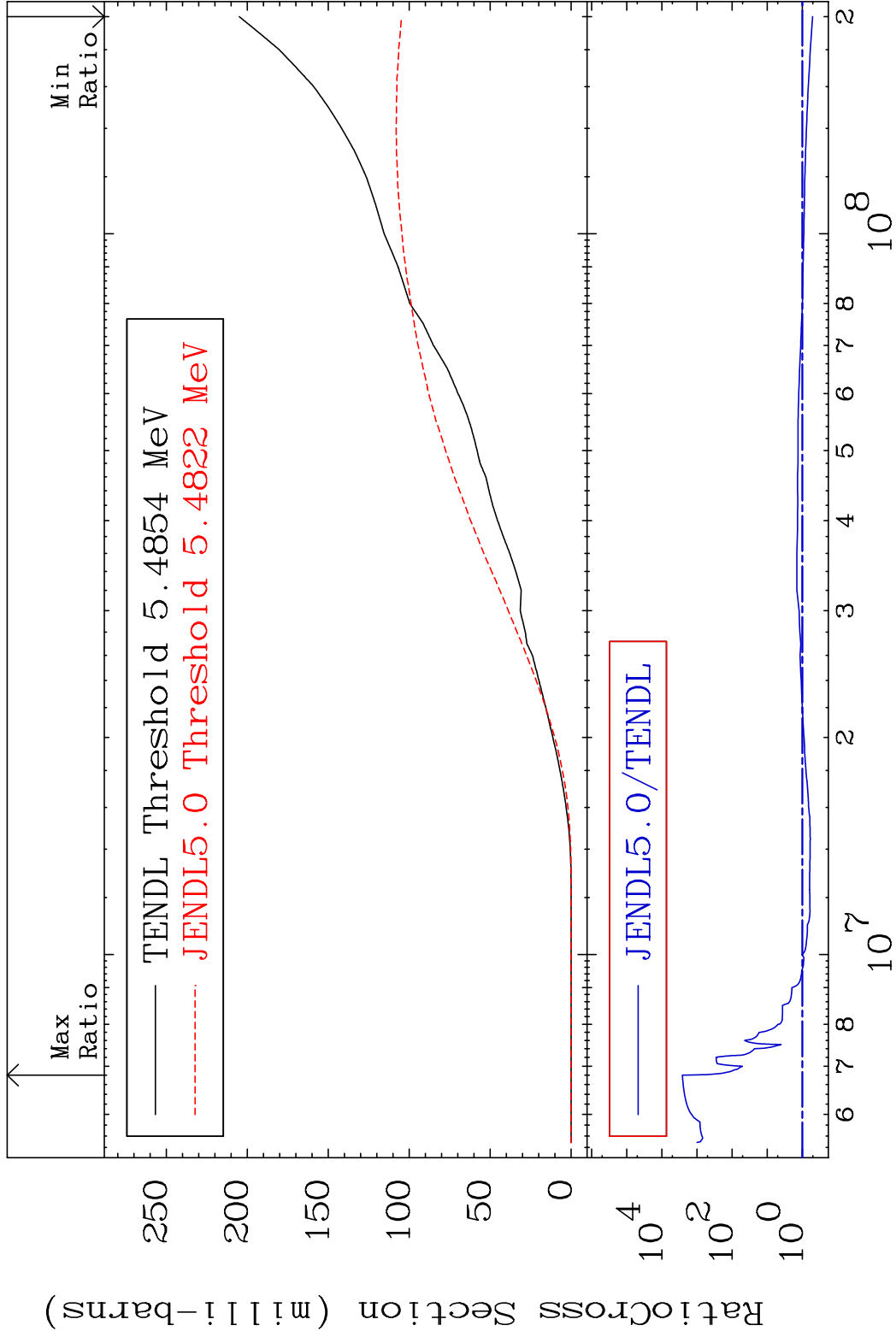


46	Incident Energy (eV)	56-Ba-132



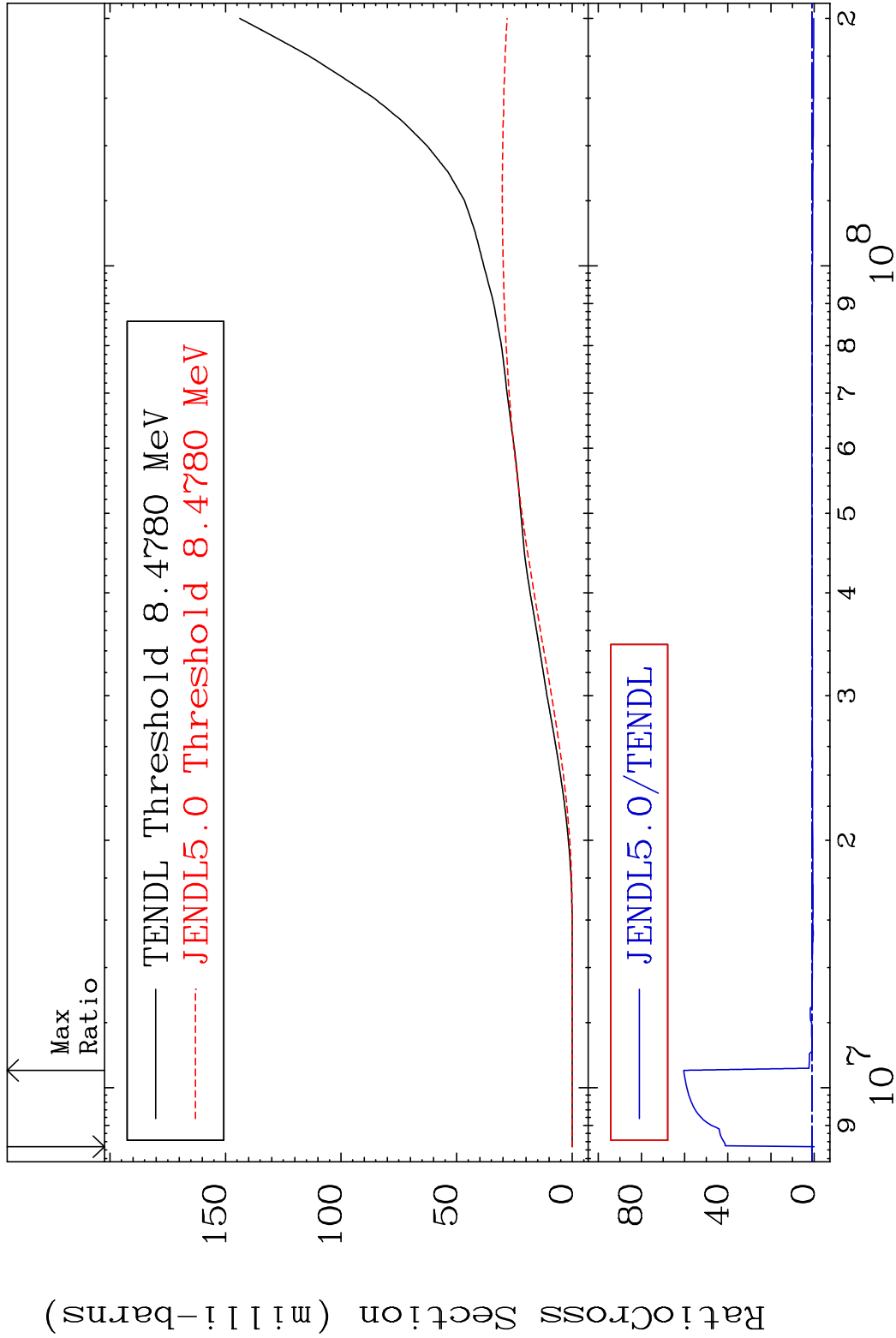


MAT 5631 Deuterium Production 56-Ba-132
Cross Section -48.88 To 9999. %

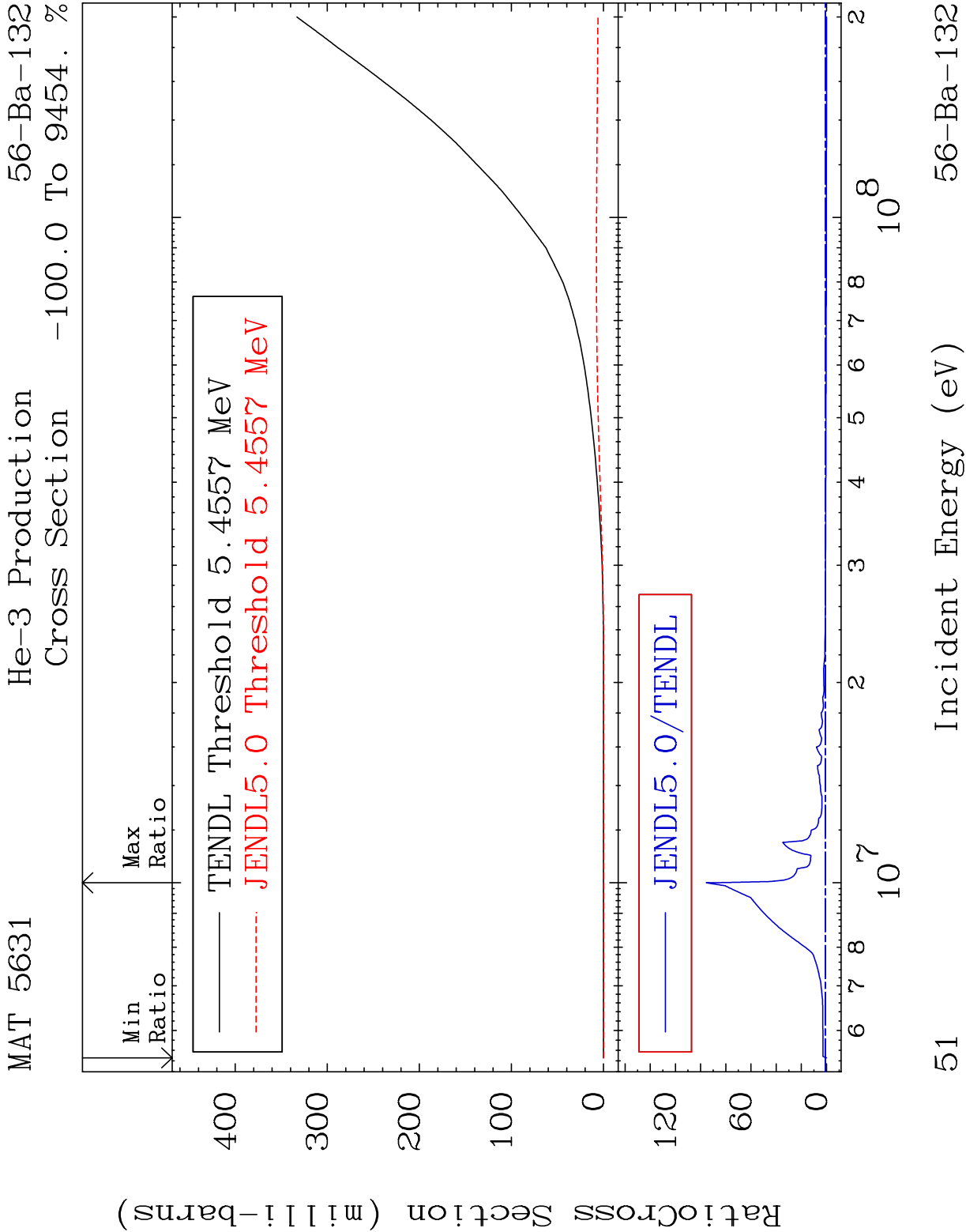


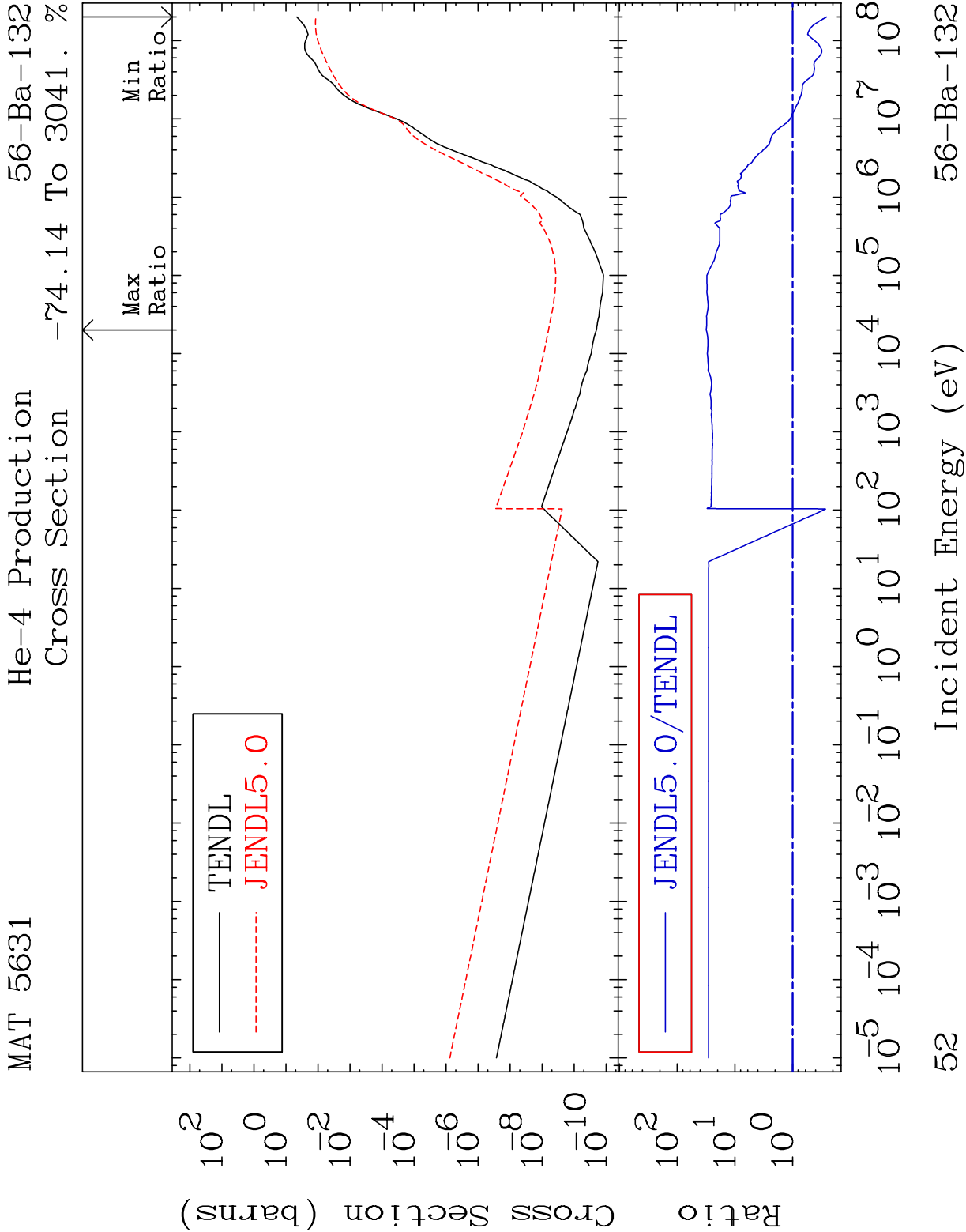
49 Incident Energy (eV) 56-Ba-132

MAT 5631 Tritium Production 56-Ba-132
Cross Section -100.0 To 5945. %

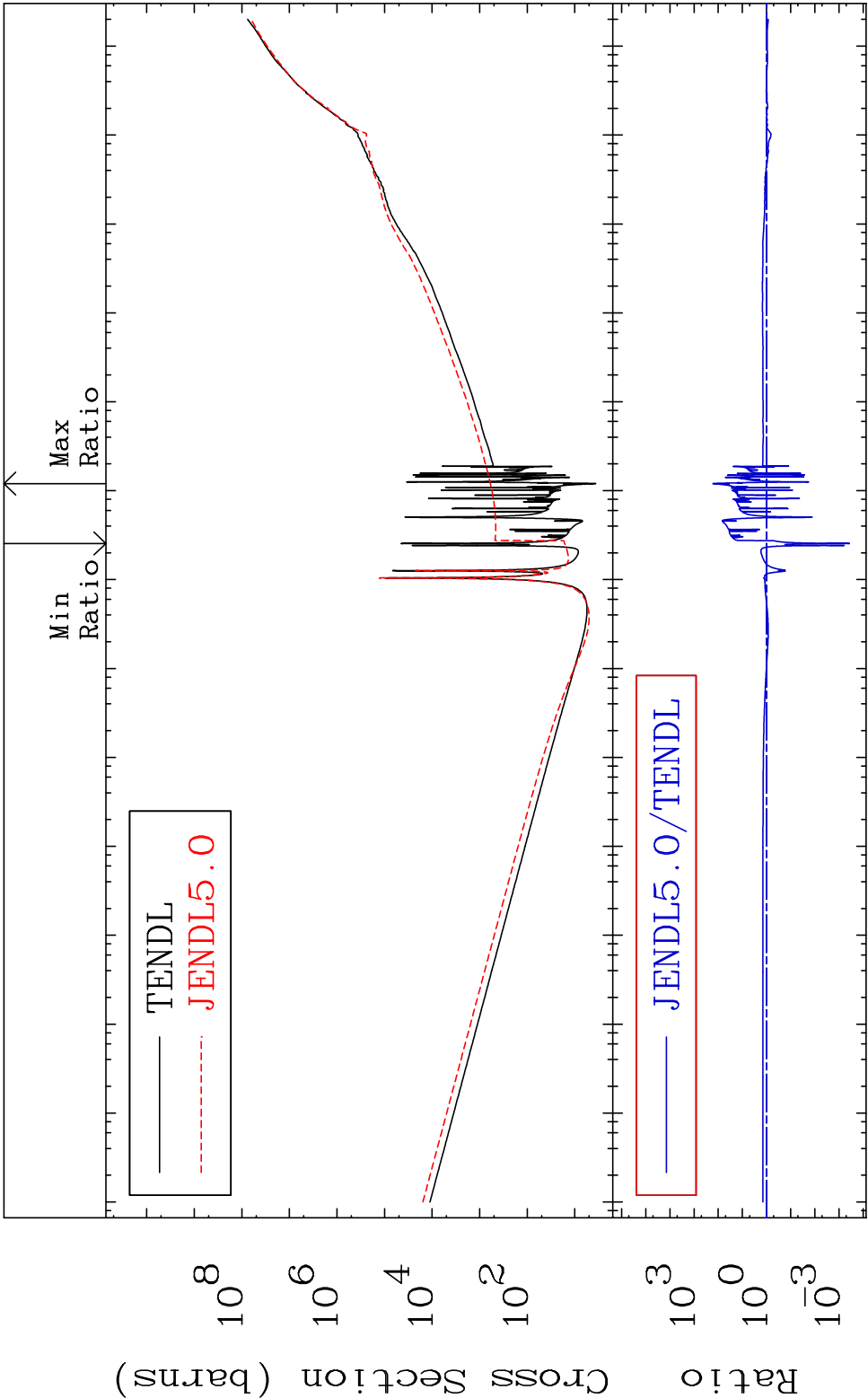


50 Incident Energy (eV) 56-Ba-132



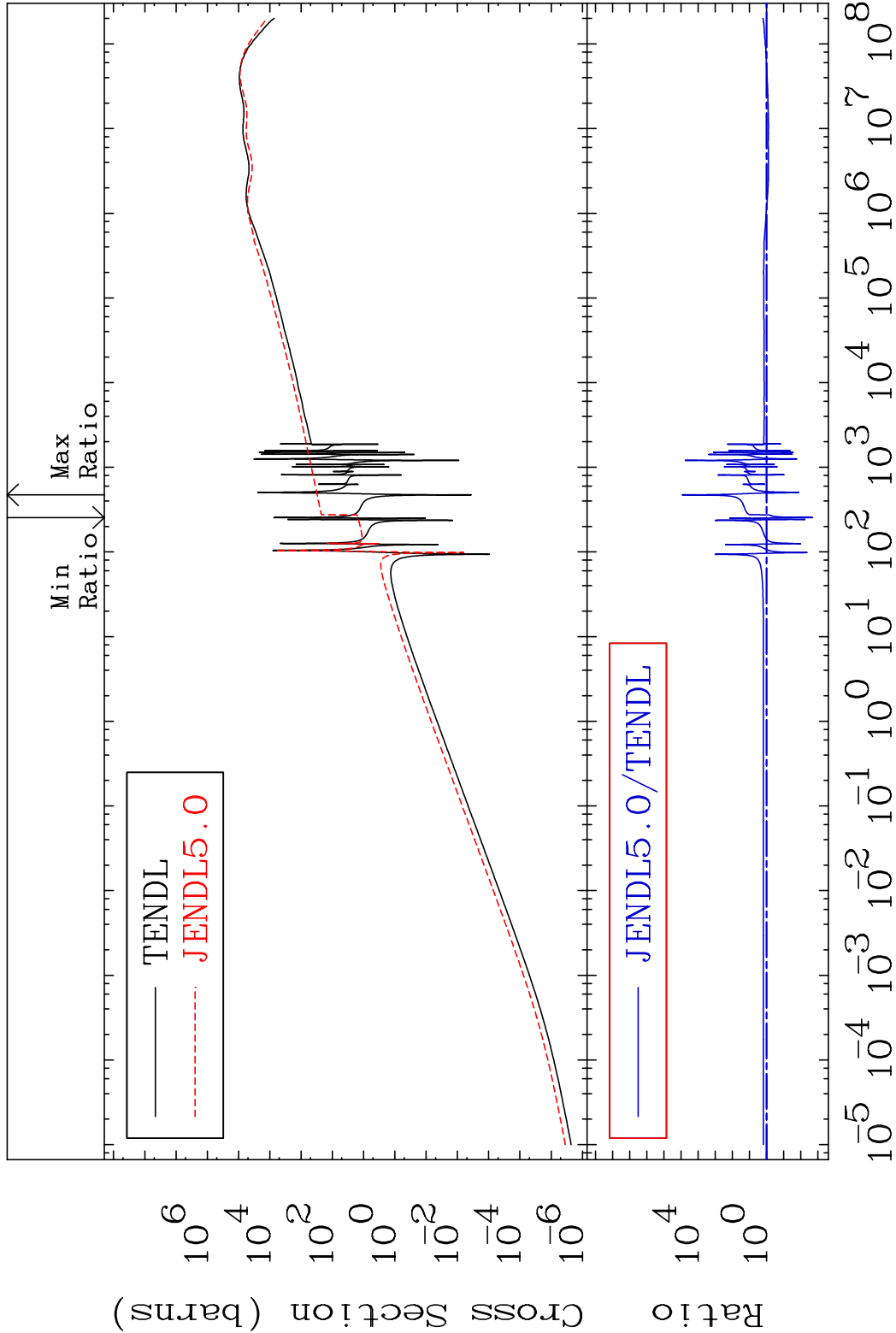


MAT 5631 Kerma total (eV-barns) 56-Ba-132
Cross Section -99.96 To 9999. %

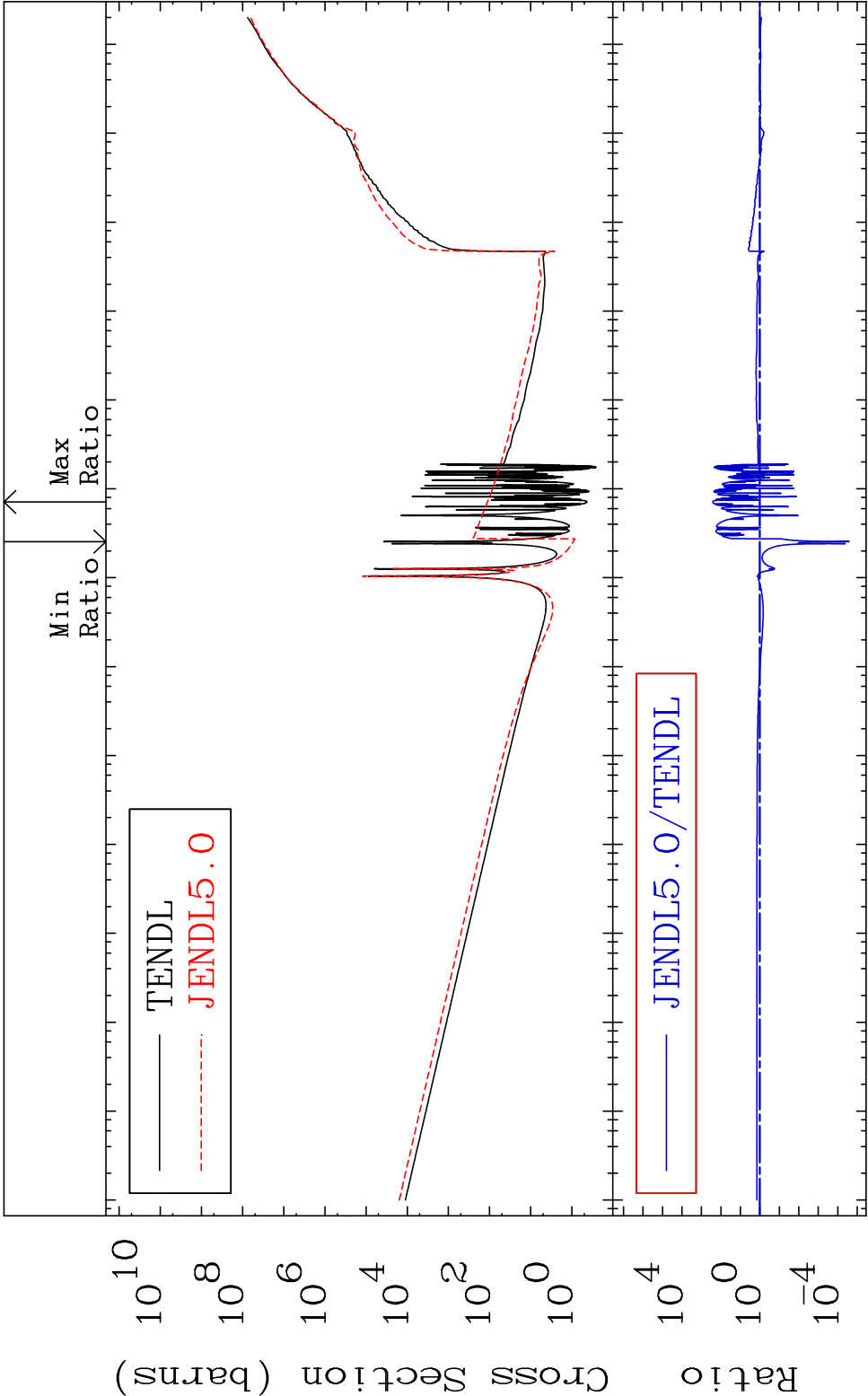


53 Incident Energy (eV) 56-Ba-132

MAT 5631 Kerma elastic 56-Ba-132
Cross Section -99.79 To 9999. %

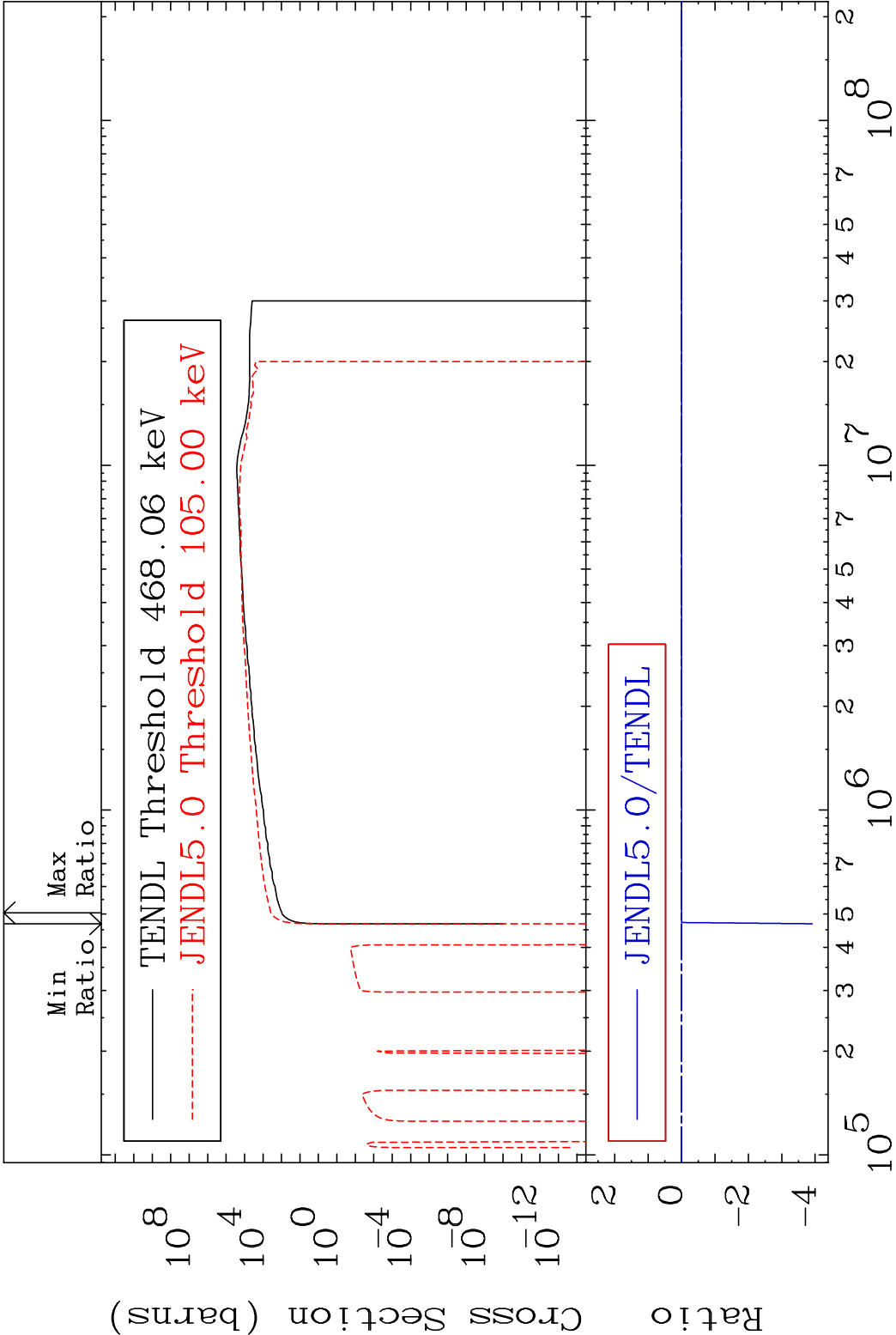


MAT 5631 Kerma non-elastic (all but mt2) 56-Ba-132
 Cross Section -100.0 To 9999. %

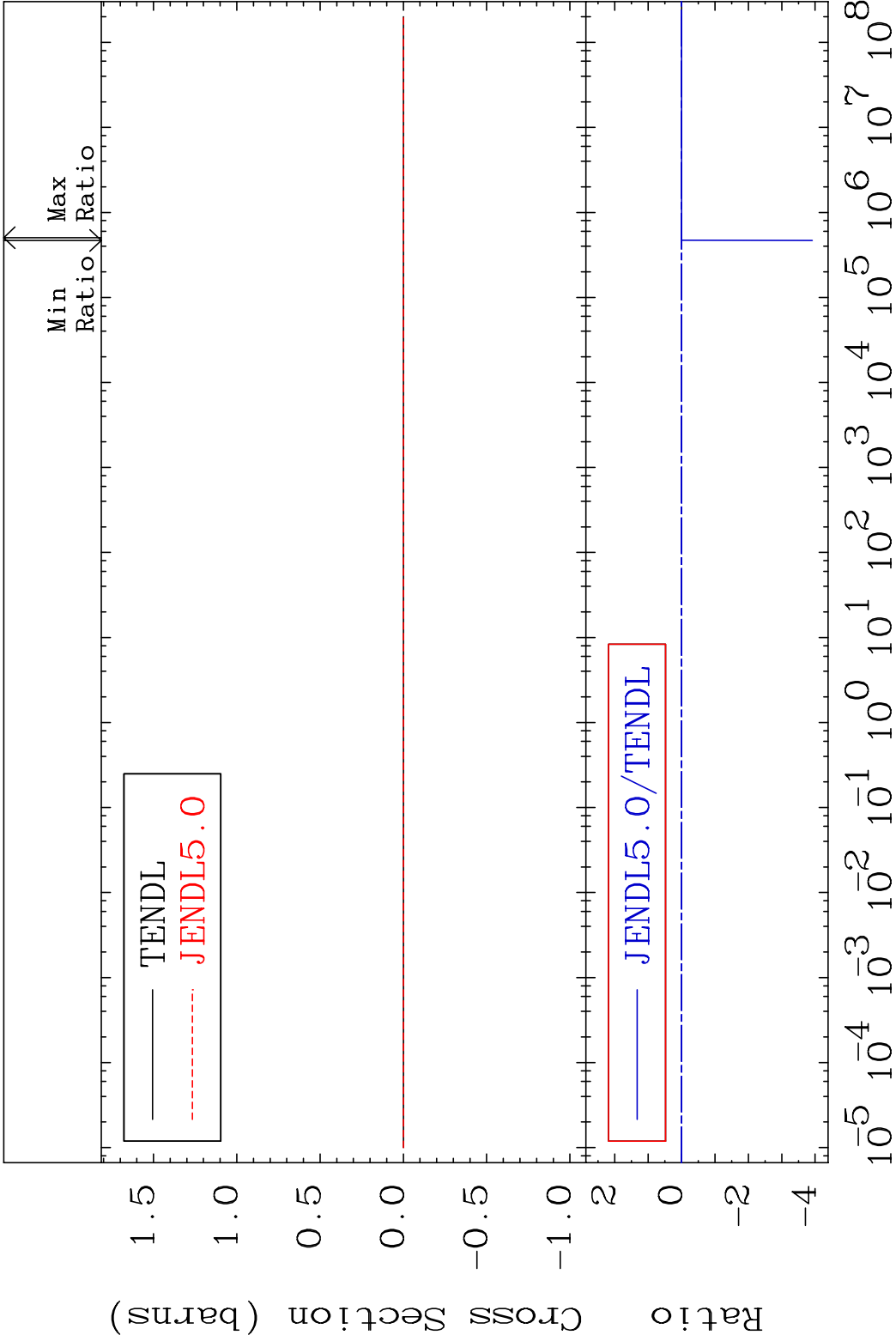


55 Incident Energy (eV) 56-Ba-132

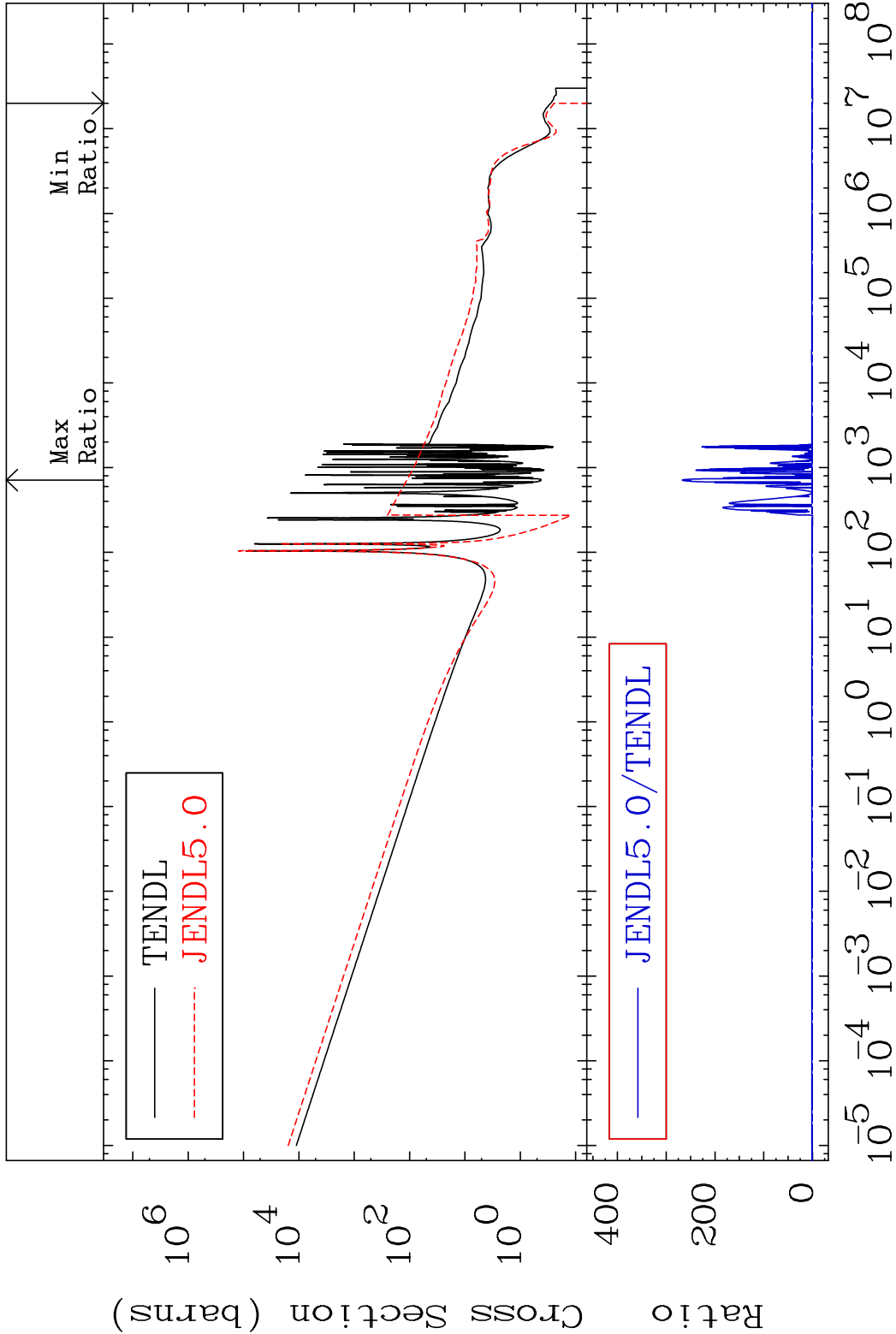
MAT 5631 Kerma inelastic (mt51-91) 56-Ba-132
Cross Section -9999. To 289.4 %



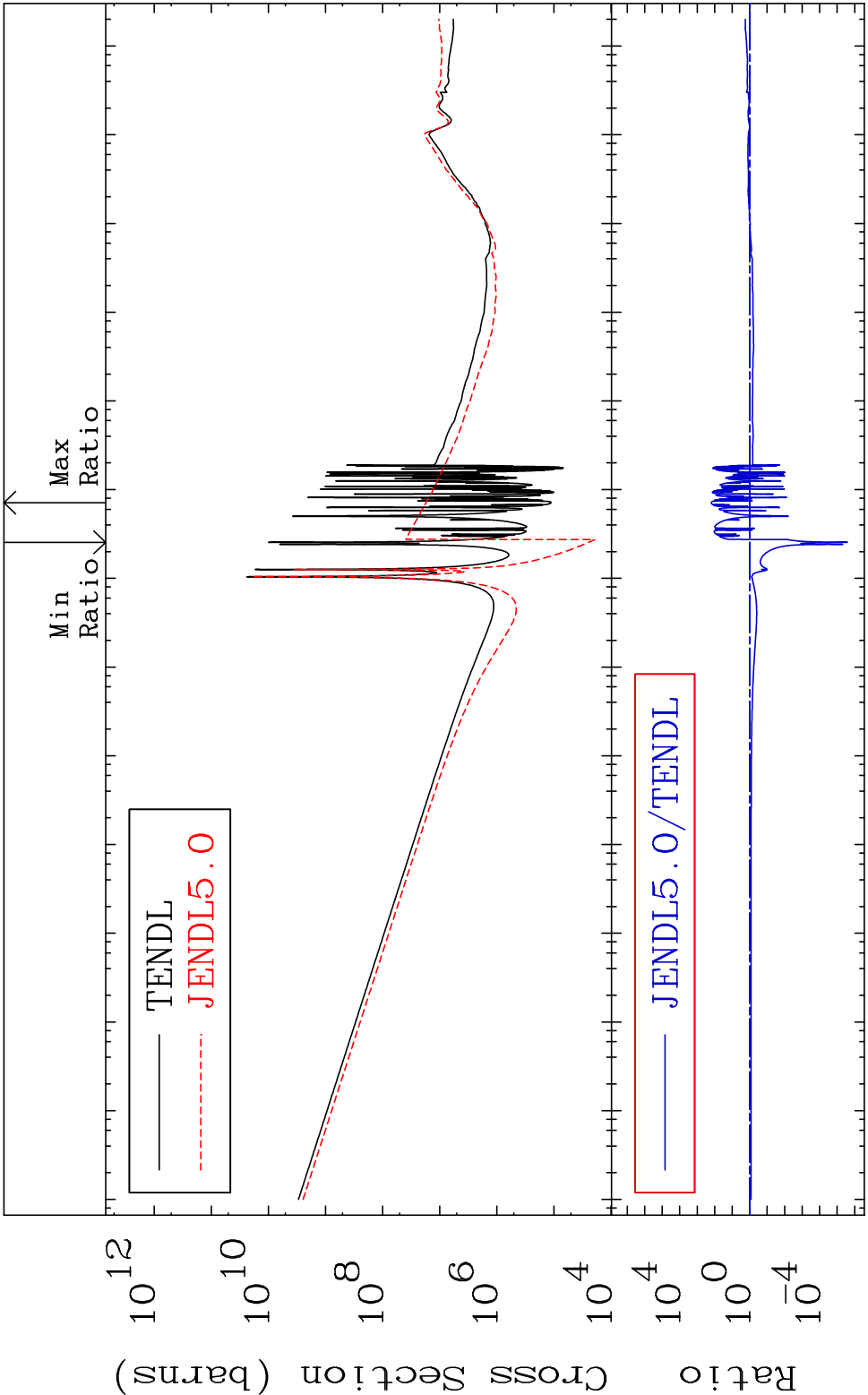
MAT 5631 Kerma fission (mt18 or mt19-20-21-38)56-Ba-132
Cross Section -9999. To 289.4 %



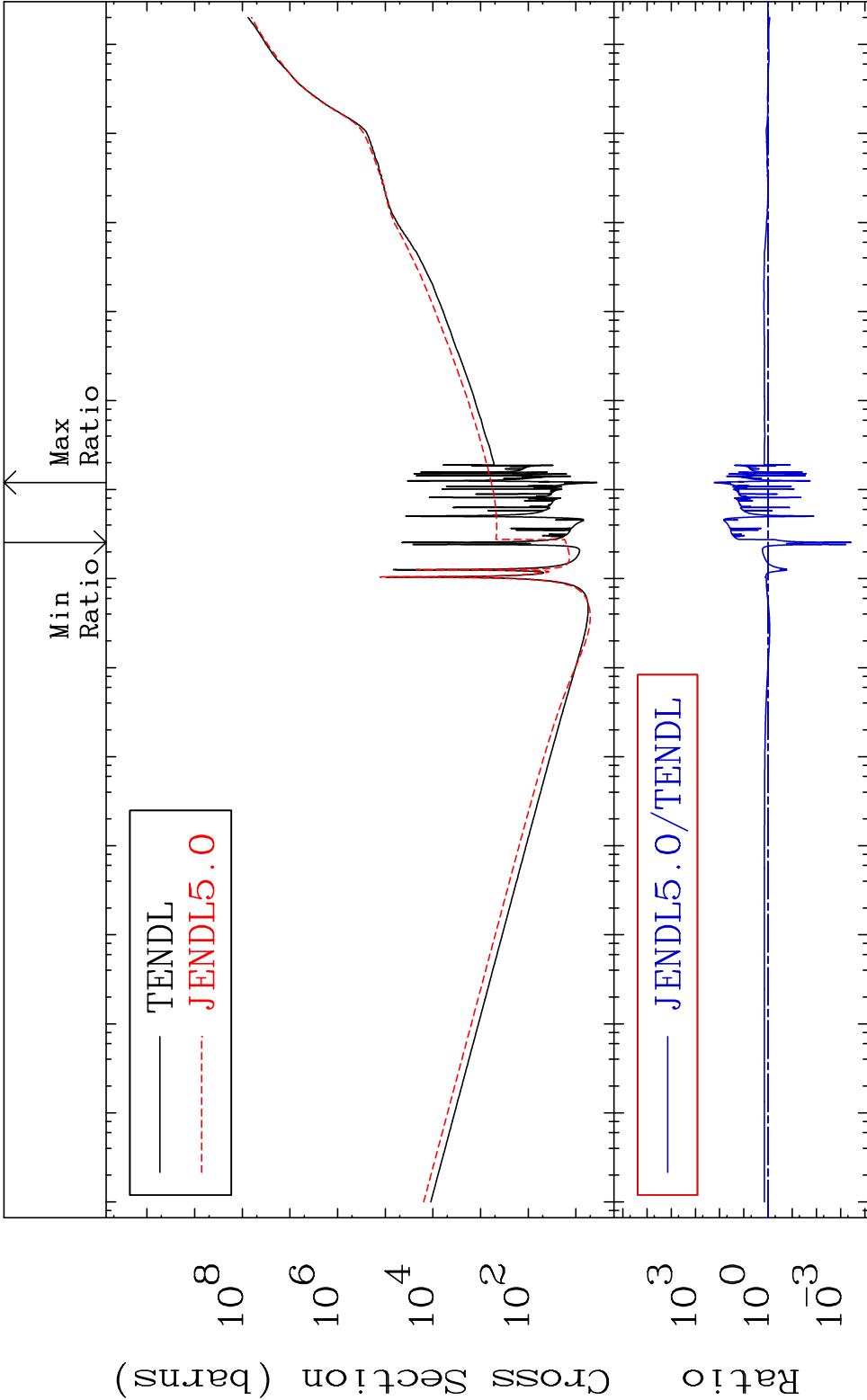
MAT 5631 Kerma capture (mt102) 56-Ba-132
Cross Section -100.0 To 9999. %



MAT 5631 Total photon (eV-barns) 56-Ba-132
Cross Section -100.0 To 9999. %

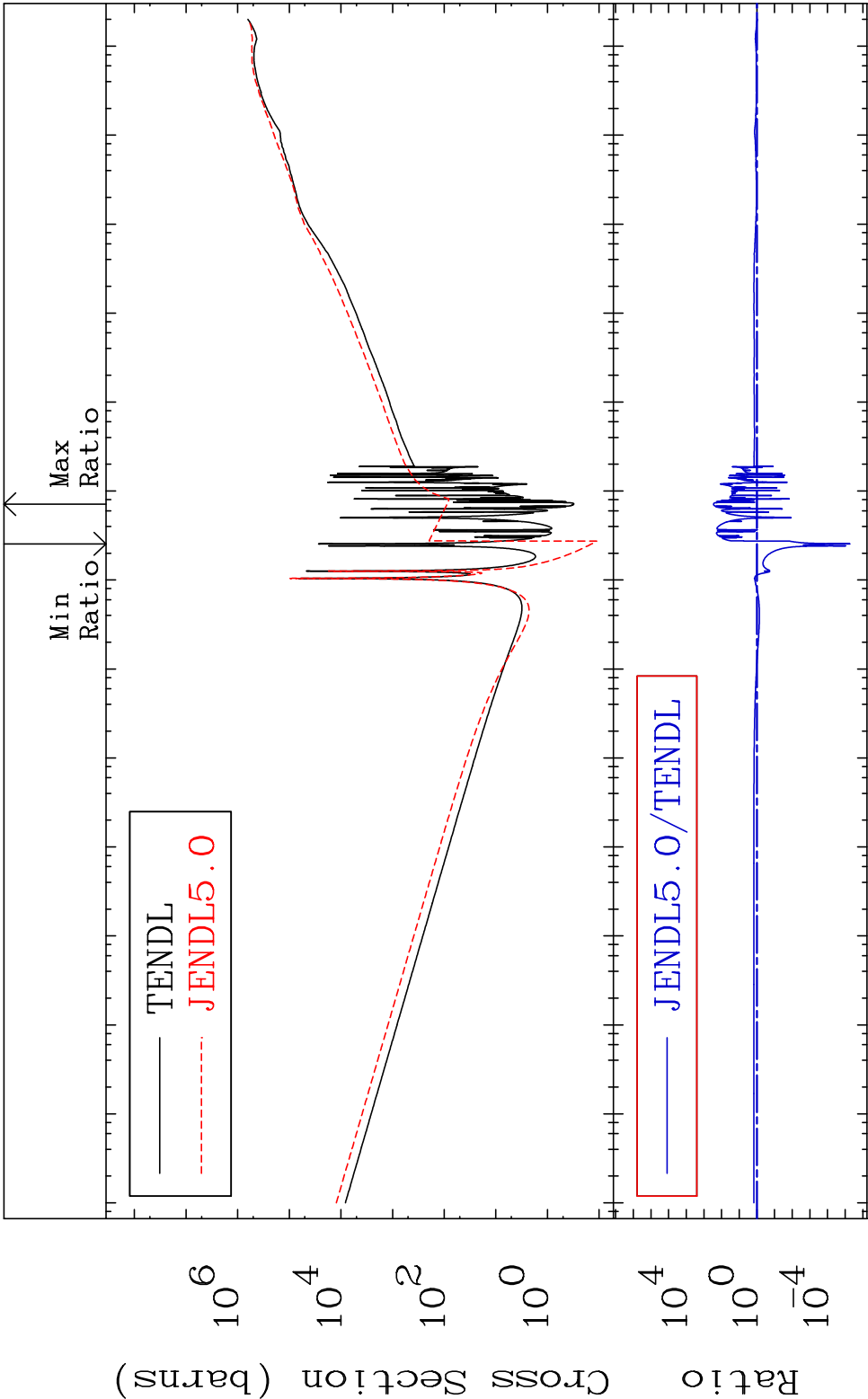


MAT 5631 Total kinematic kerma (high limit) 56-Ba-132
Cross Section -99.96 To 9999. %



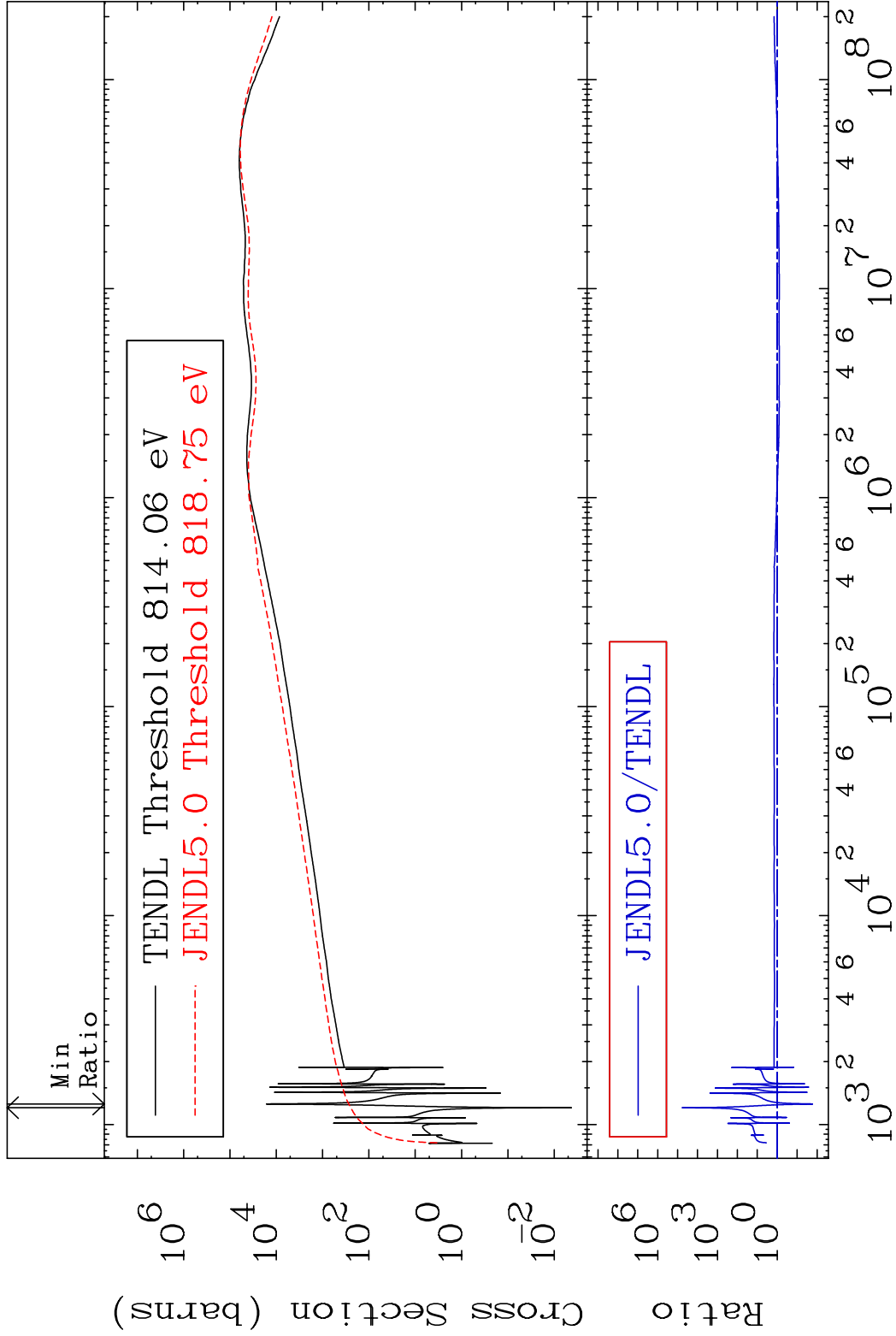
60 Incident Energy (eV) 56-Ba-132

MAT 5631 Dpa total (eV-barns) 56-Ba-132
Cross Section -100.0 To 9999. %



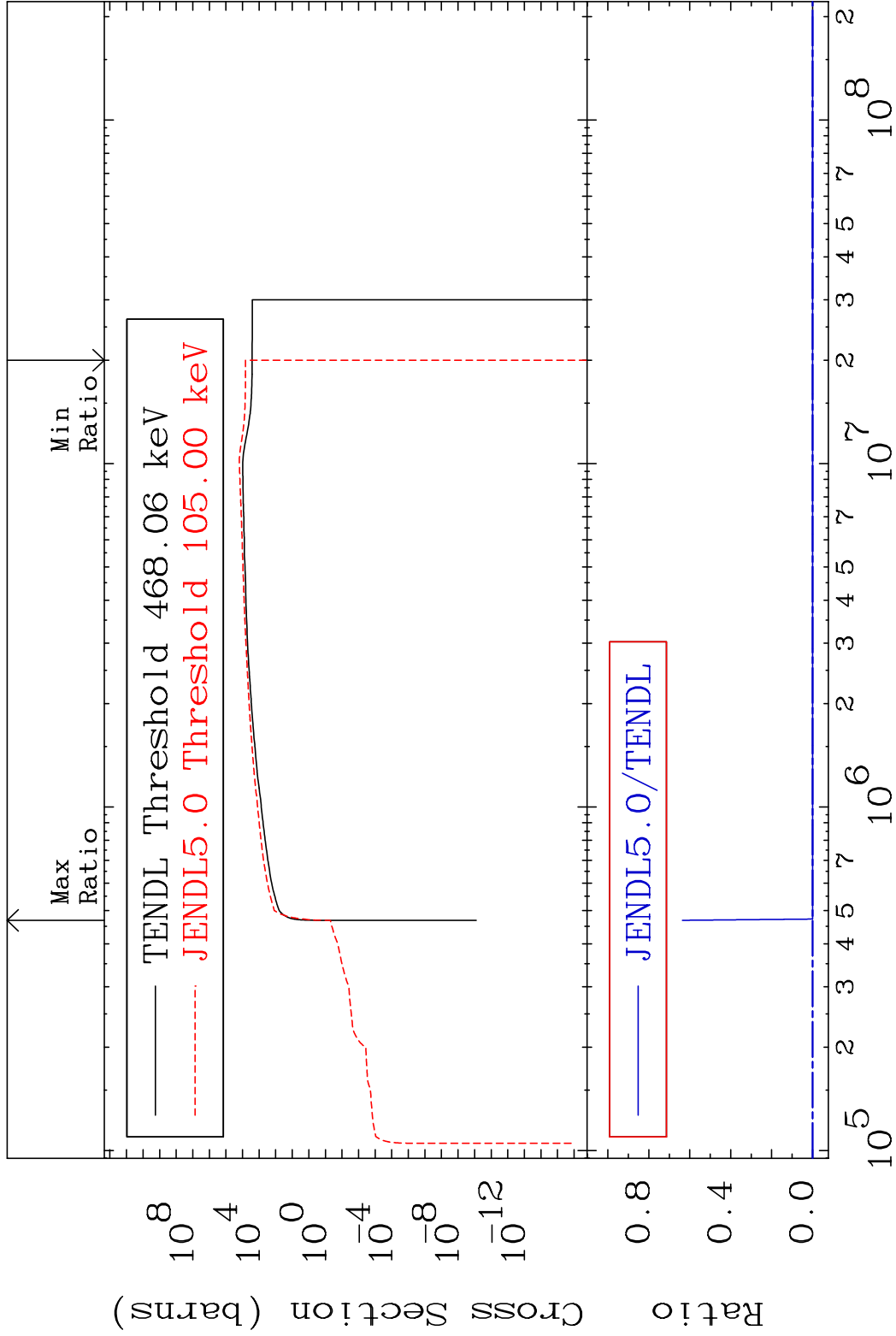
61 Incident Energy (eV) 56-Ba-132

MAT 5631 Dpa elastic (mt2) 56-Ba-132
Cross Section -98.32 To 9999. %



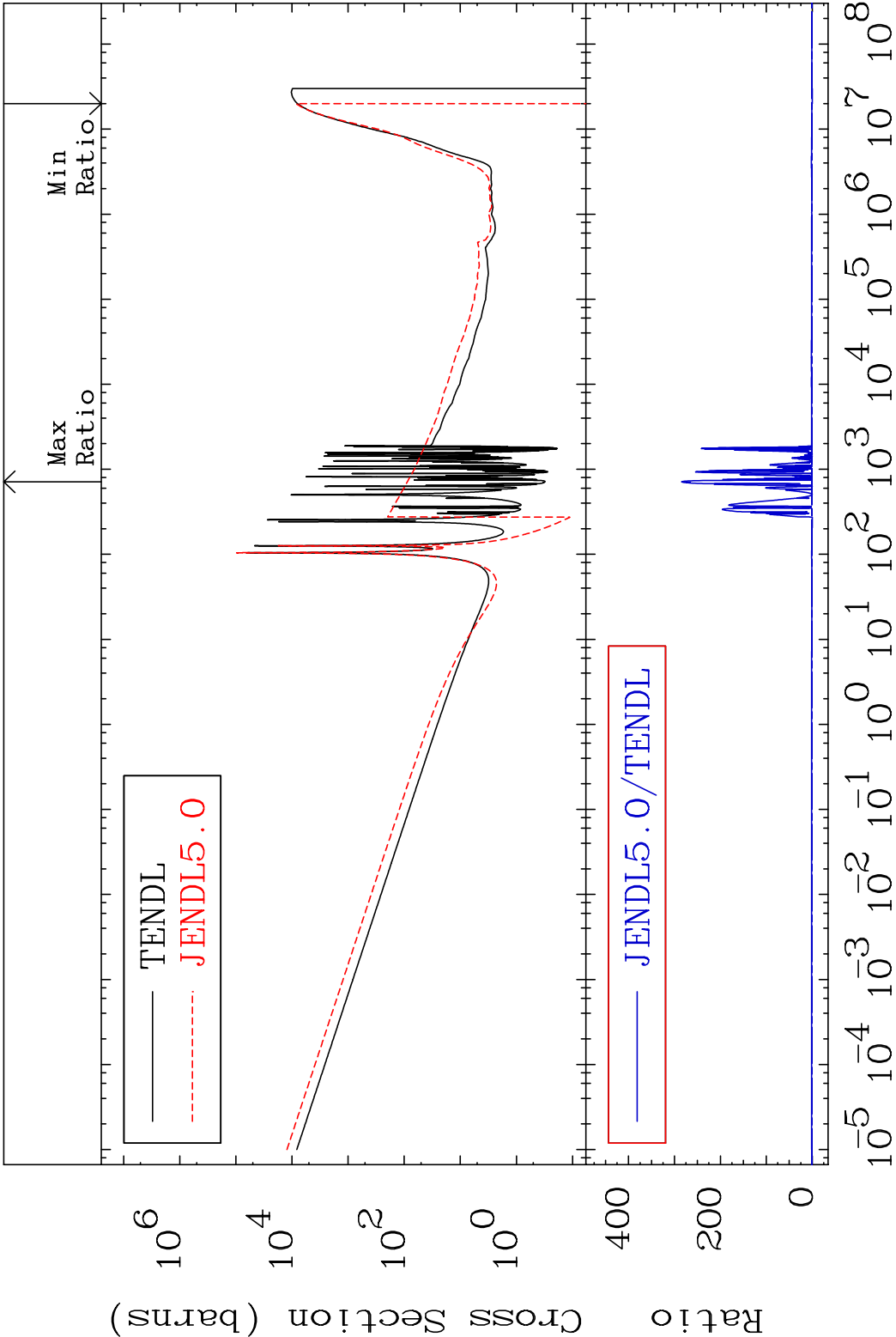
62 Incident Energy (eV) 56-Ba-132

MAT 5631 Dpa inelastic (mt51-91) 56-Ba-132
Cross Section -100.0 To 9999. %

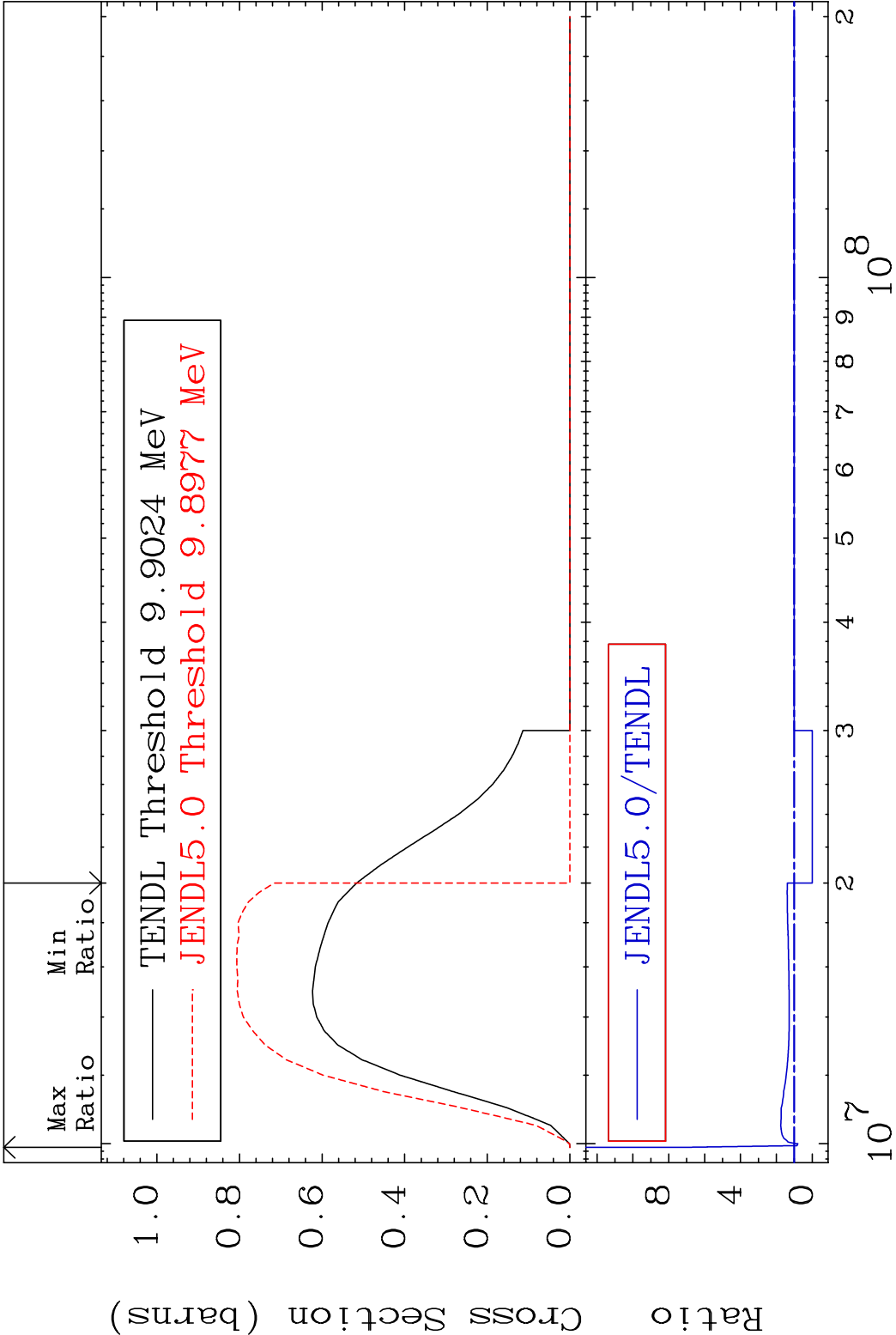


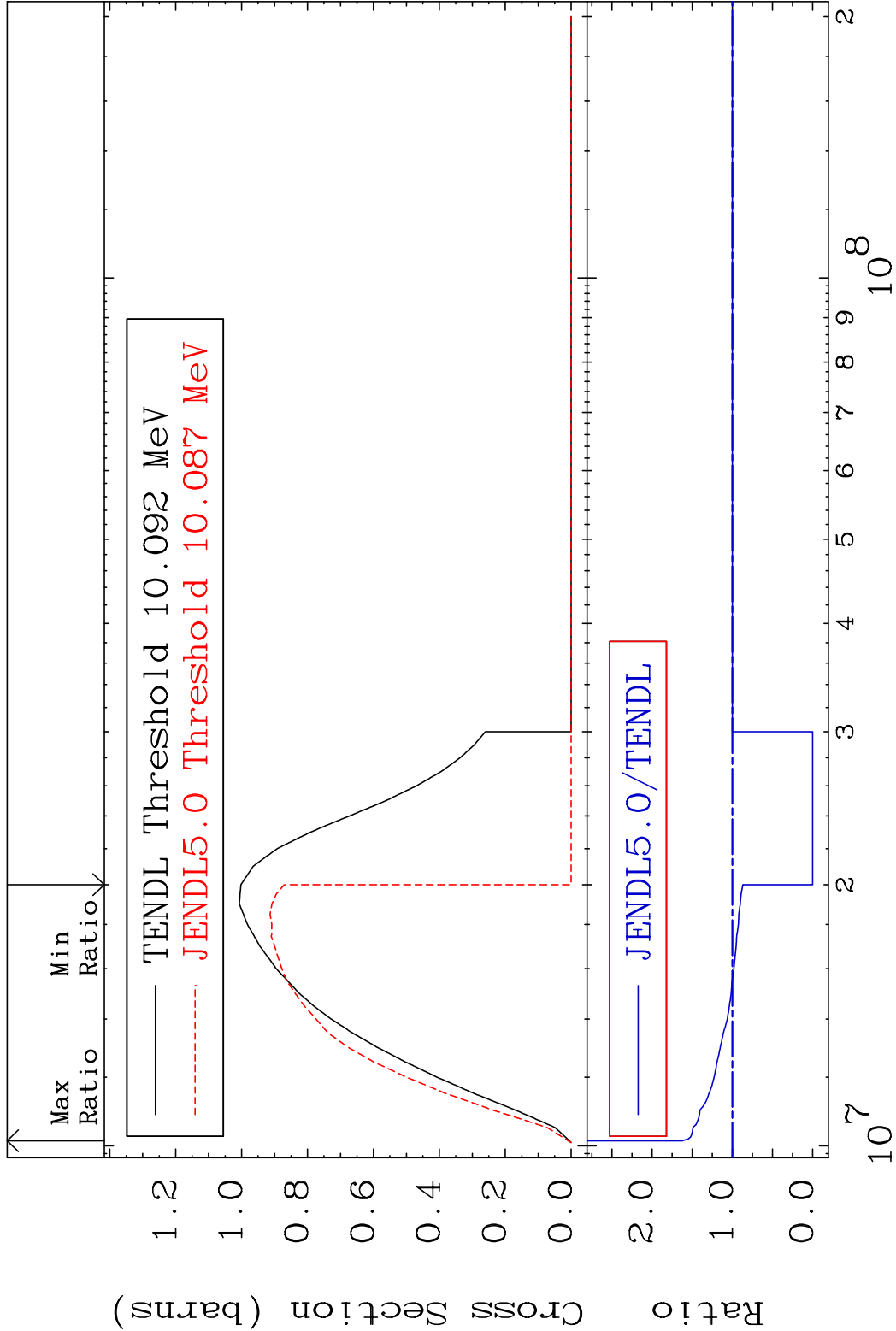
63 Incident Energy (eV) 56-Ba-132

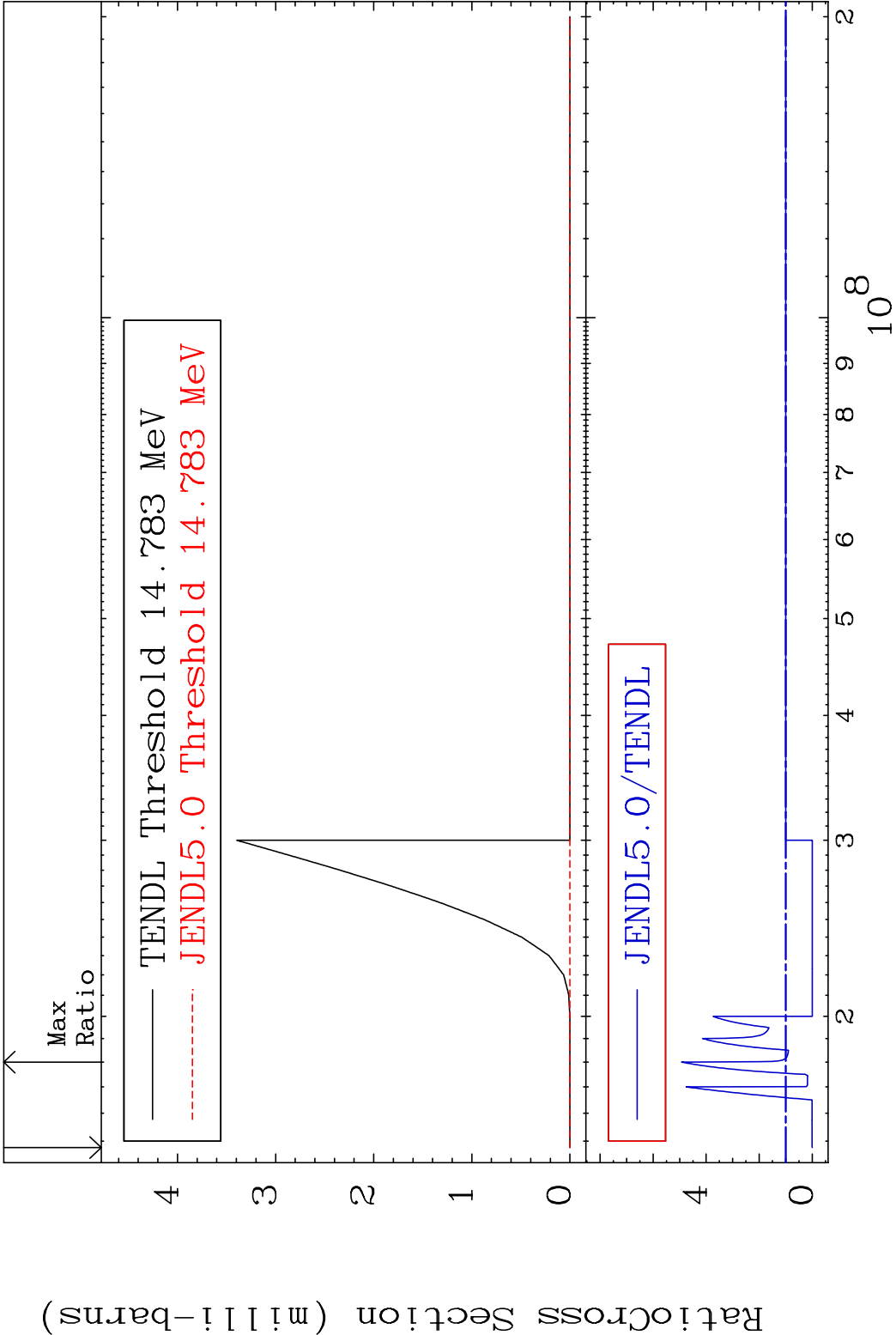
MAT 5631 Dpa disappearance (mt102 -120) 56-Ba-132
Cross Section -100.0 To 9999. %

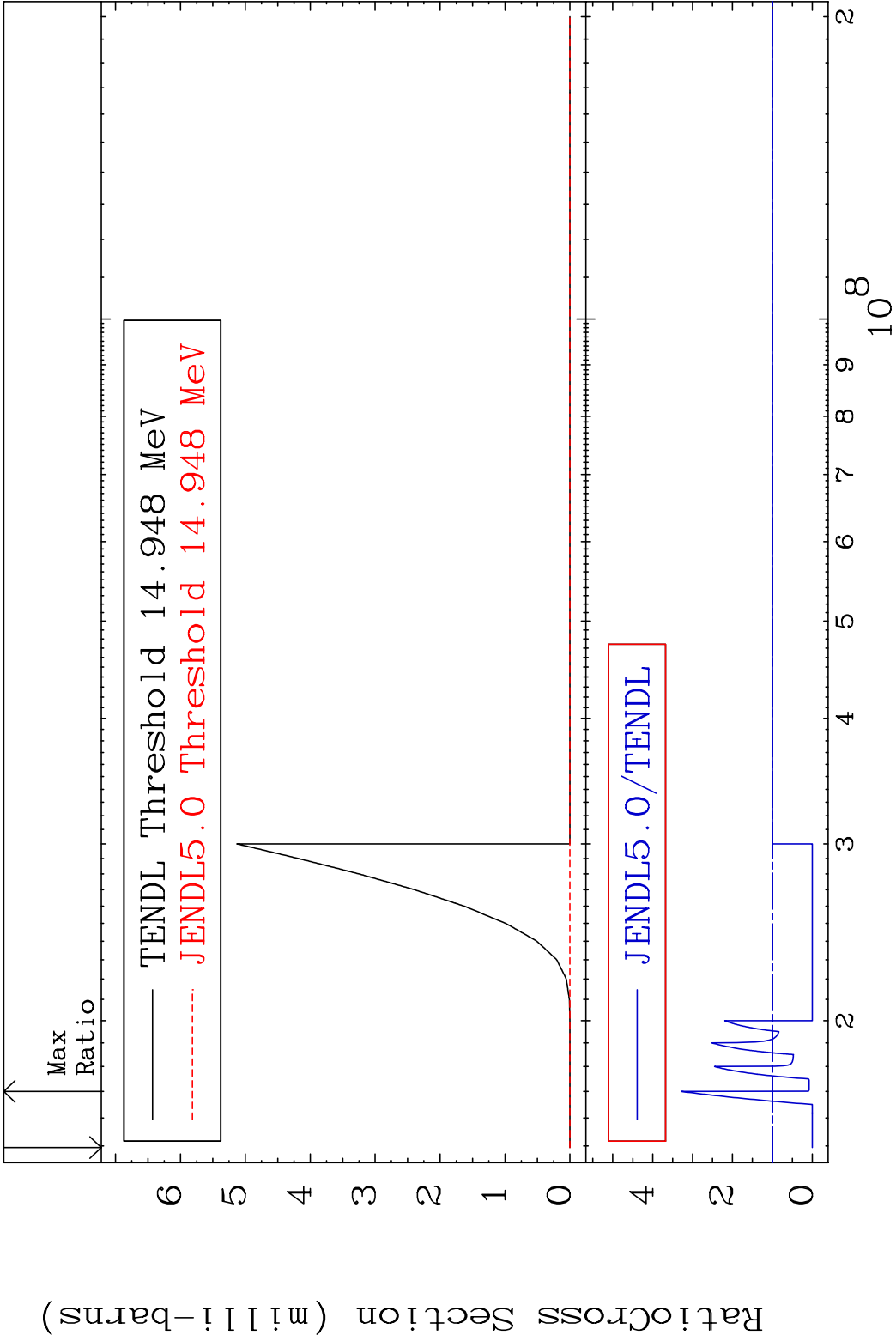


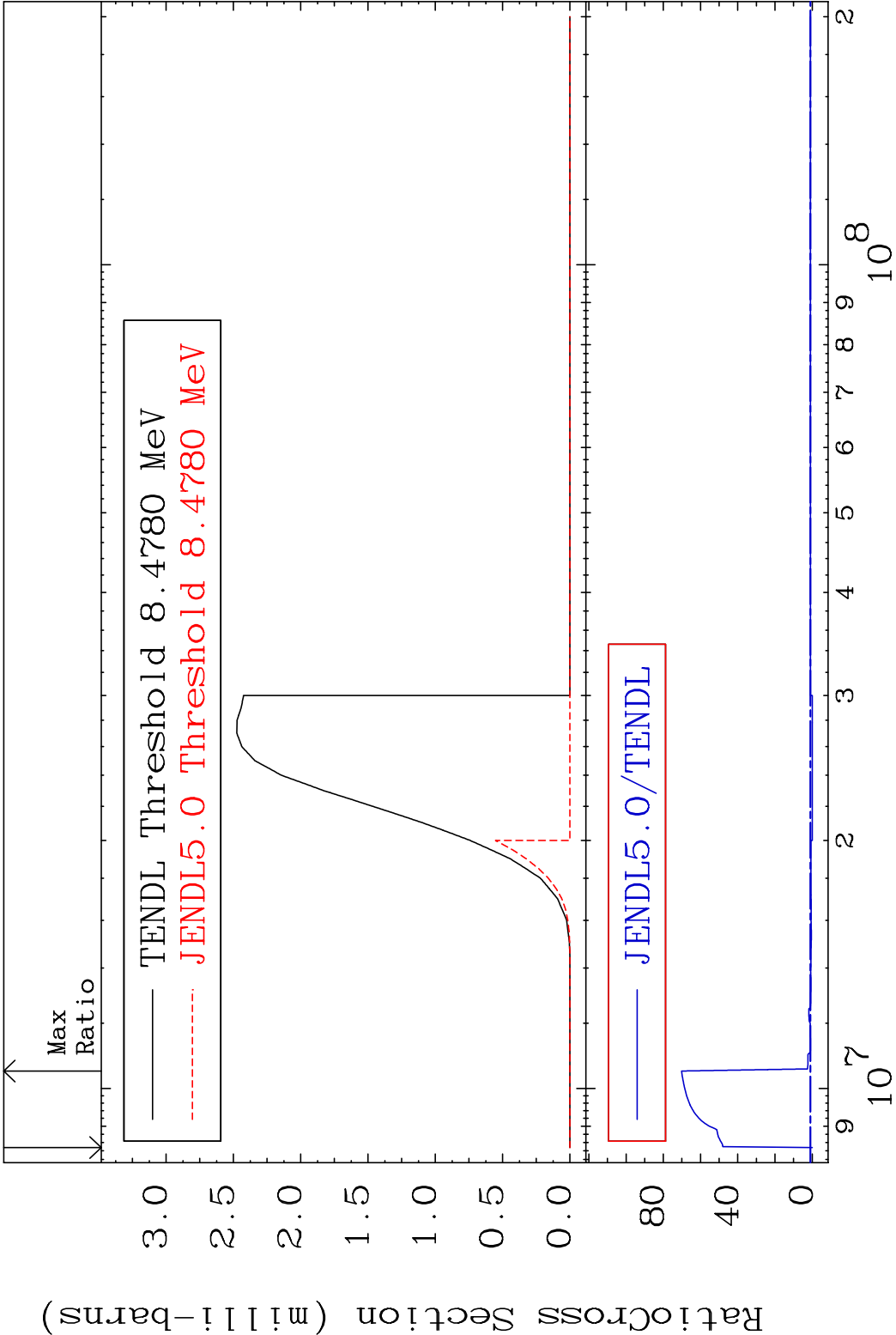
64 Incident Energy (eV) 56-Ba-132

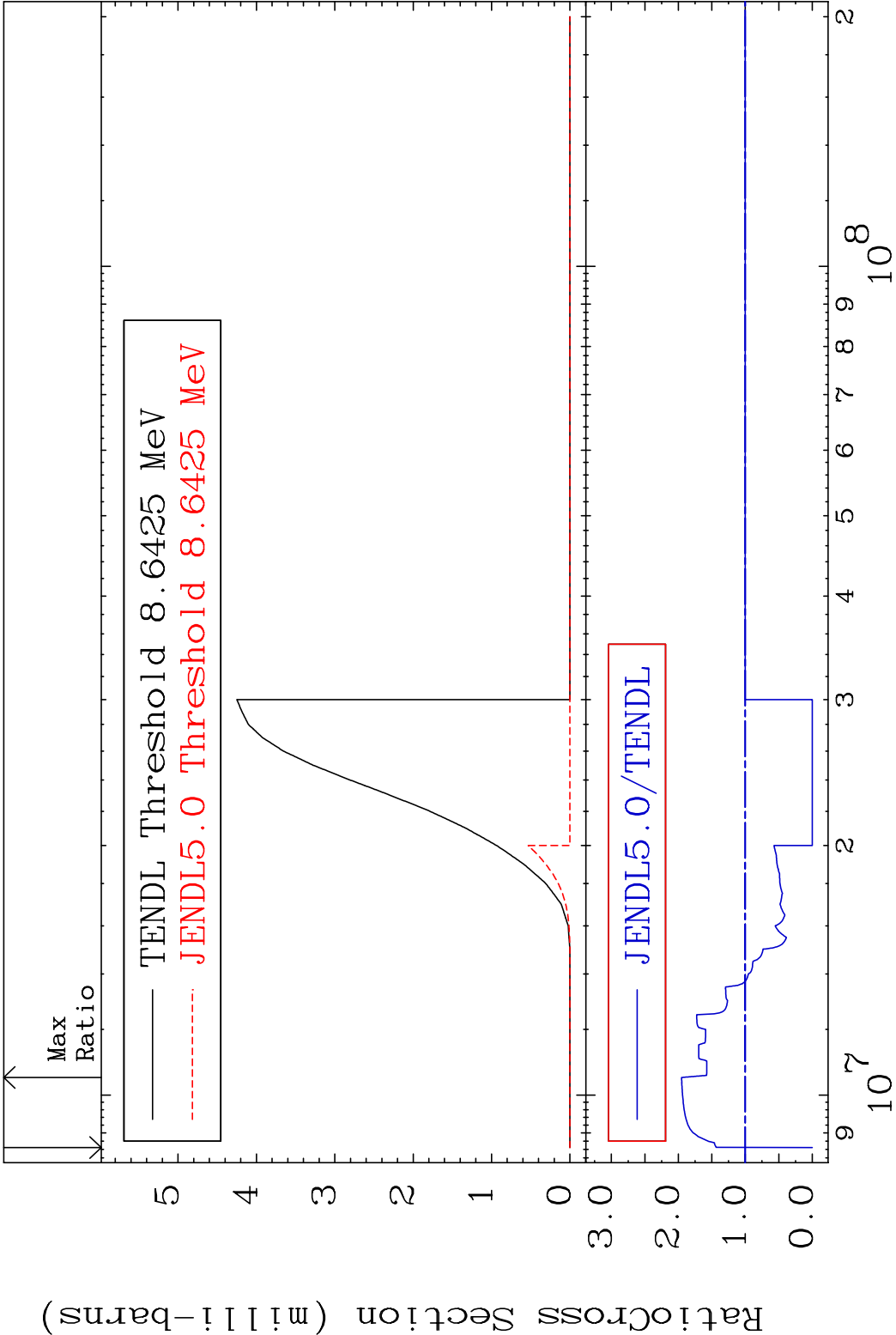


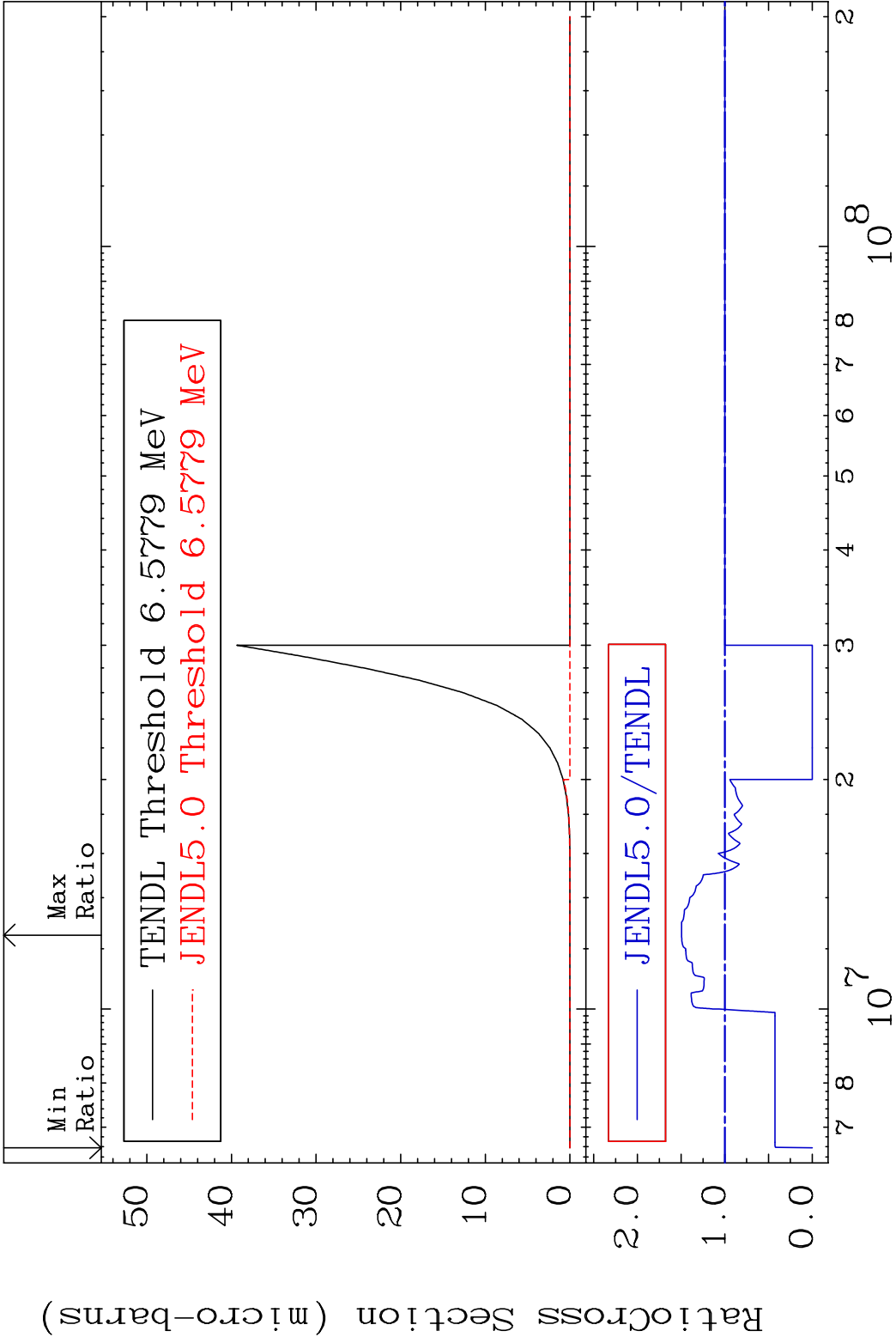


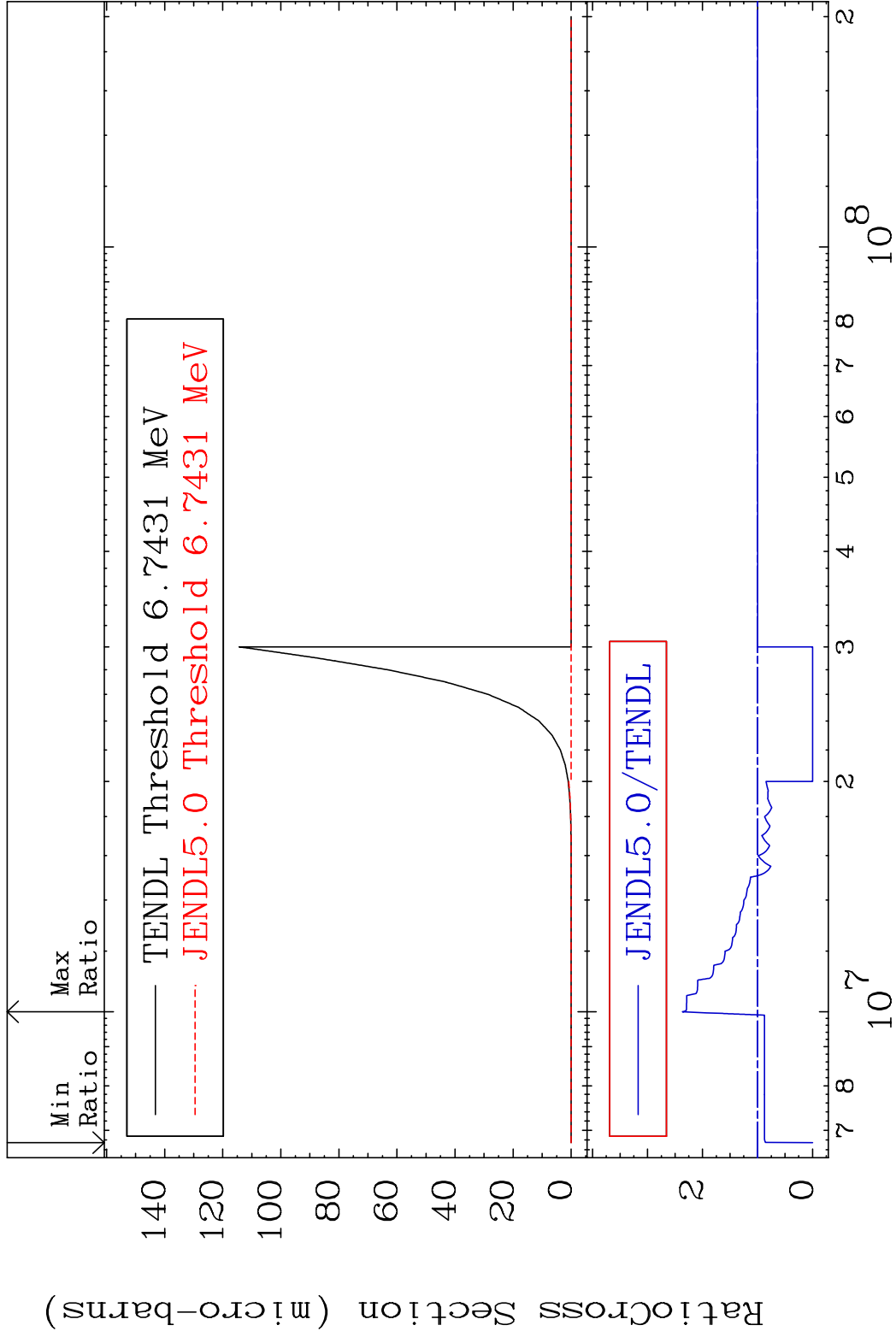




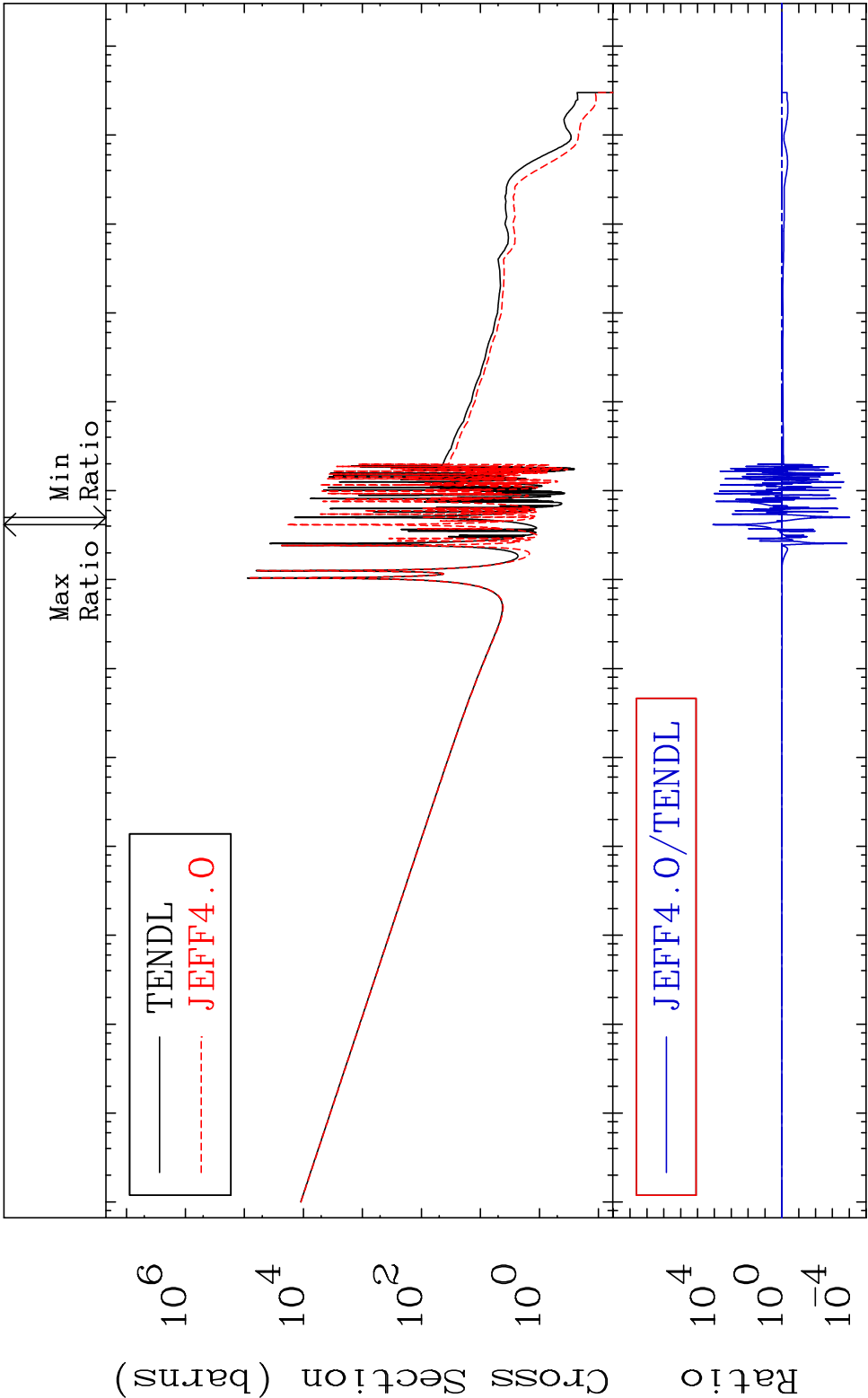




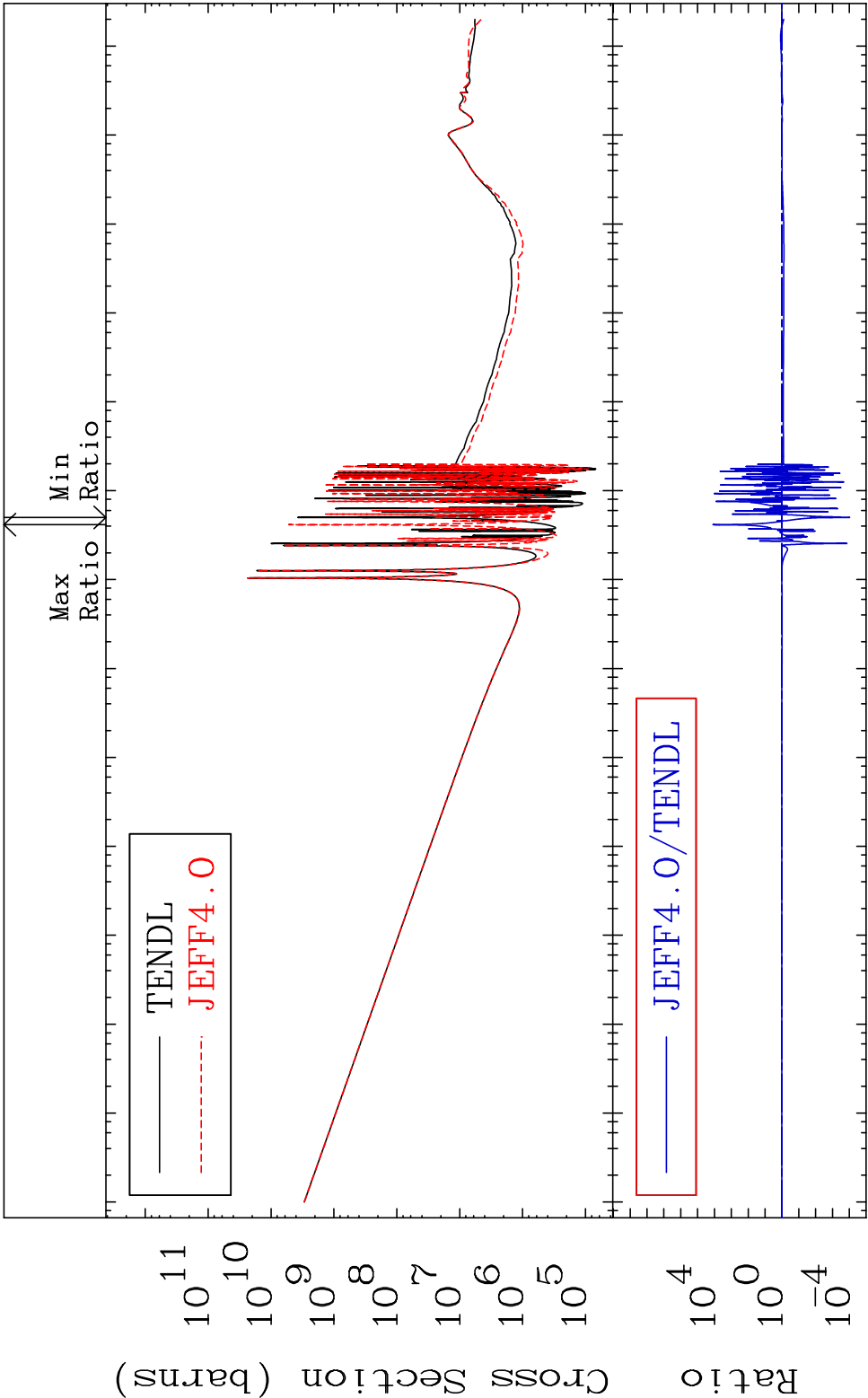




MAT 5631	Kerma capture (mt102)	56-Ba-132
	Cross Section	-99.99 To 9999. %

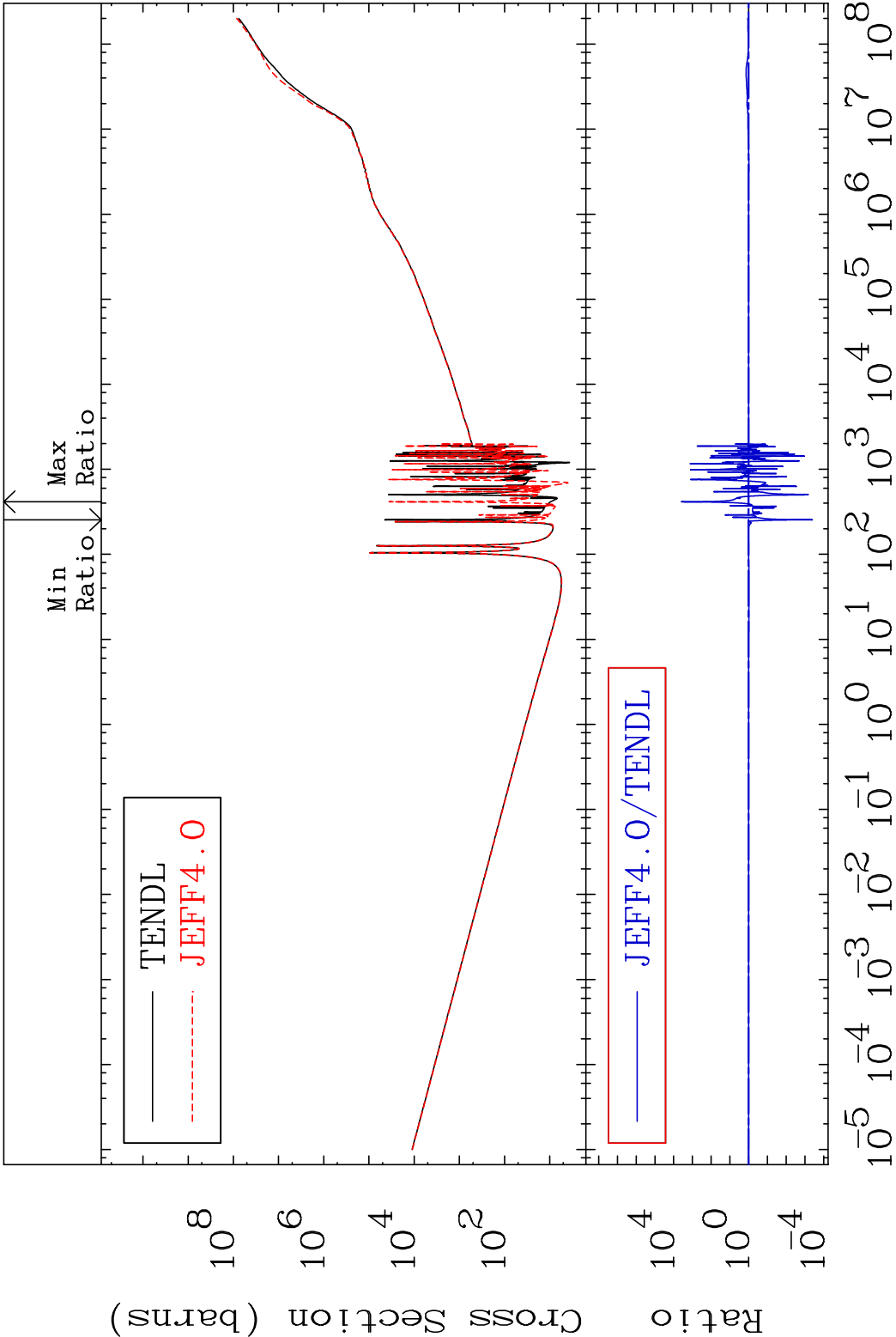


MAT 5631 Total photon (eV-barns) 56-Ba-132
Cross Section -99.99 To 9999. %



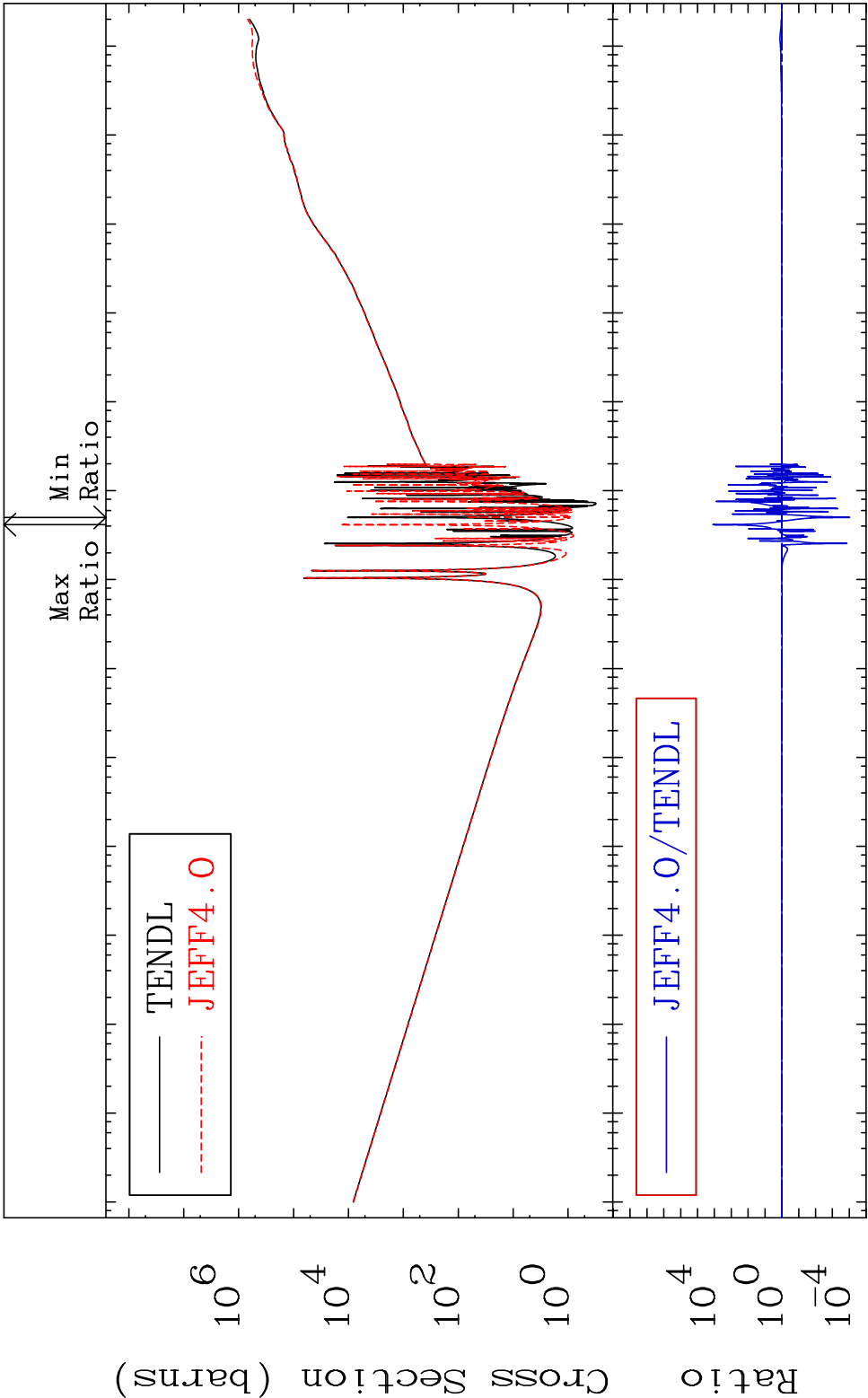
74 Incident Energy (eV) 56-Ba-132

MAT 5631 Total kinematic kerma (high limit) 56-Ba-132
Cross Section -99.96 To 9999. %



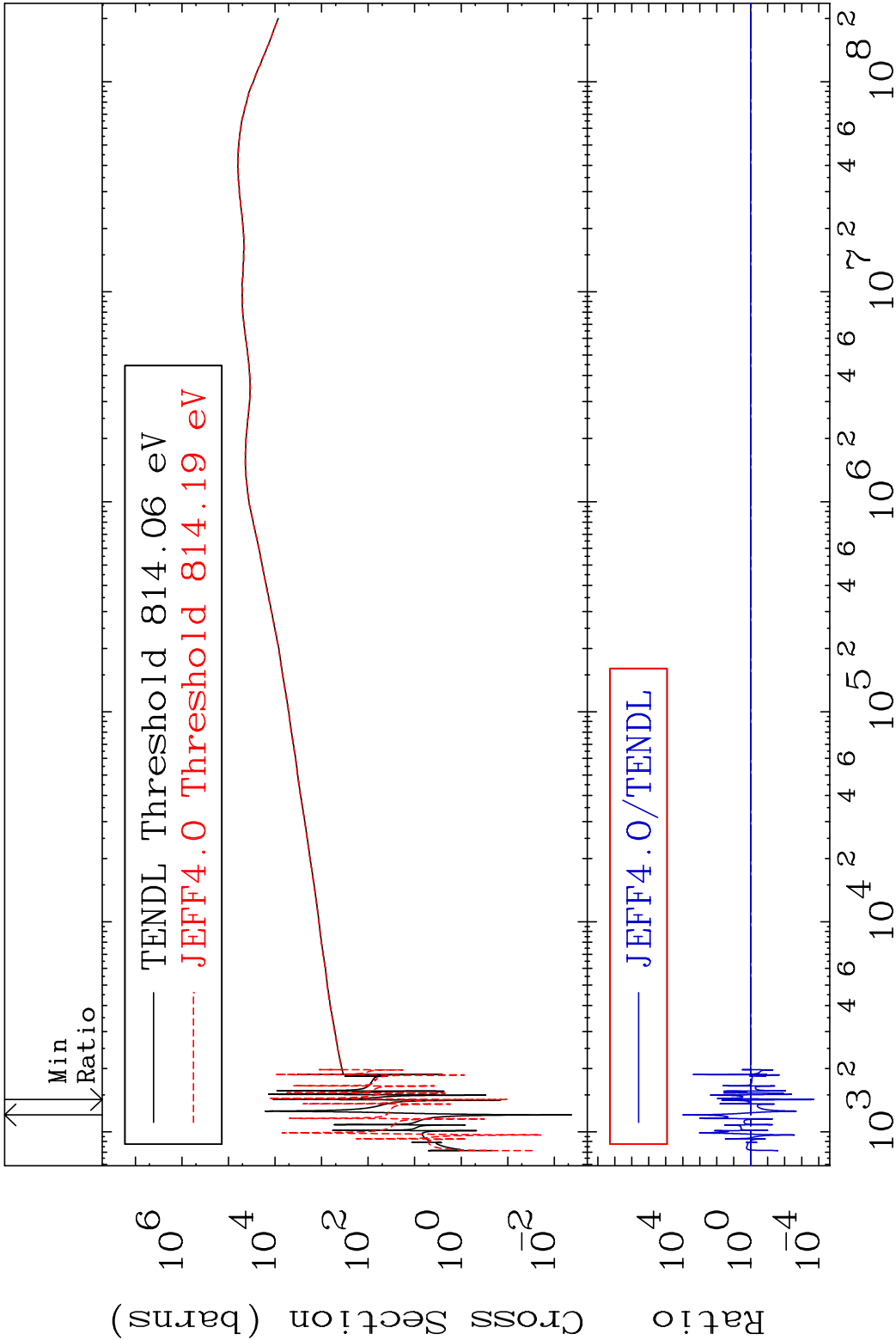
75 Incident Energy (eV) 56-Ba-132

MAT 5631 Dpa total (eV-barns) 56-Ba-132
Cross Section -99.99 To 9999. %

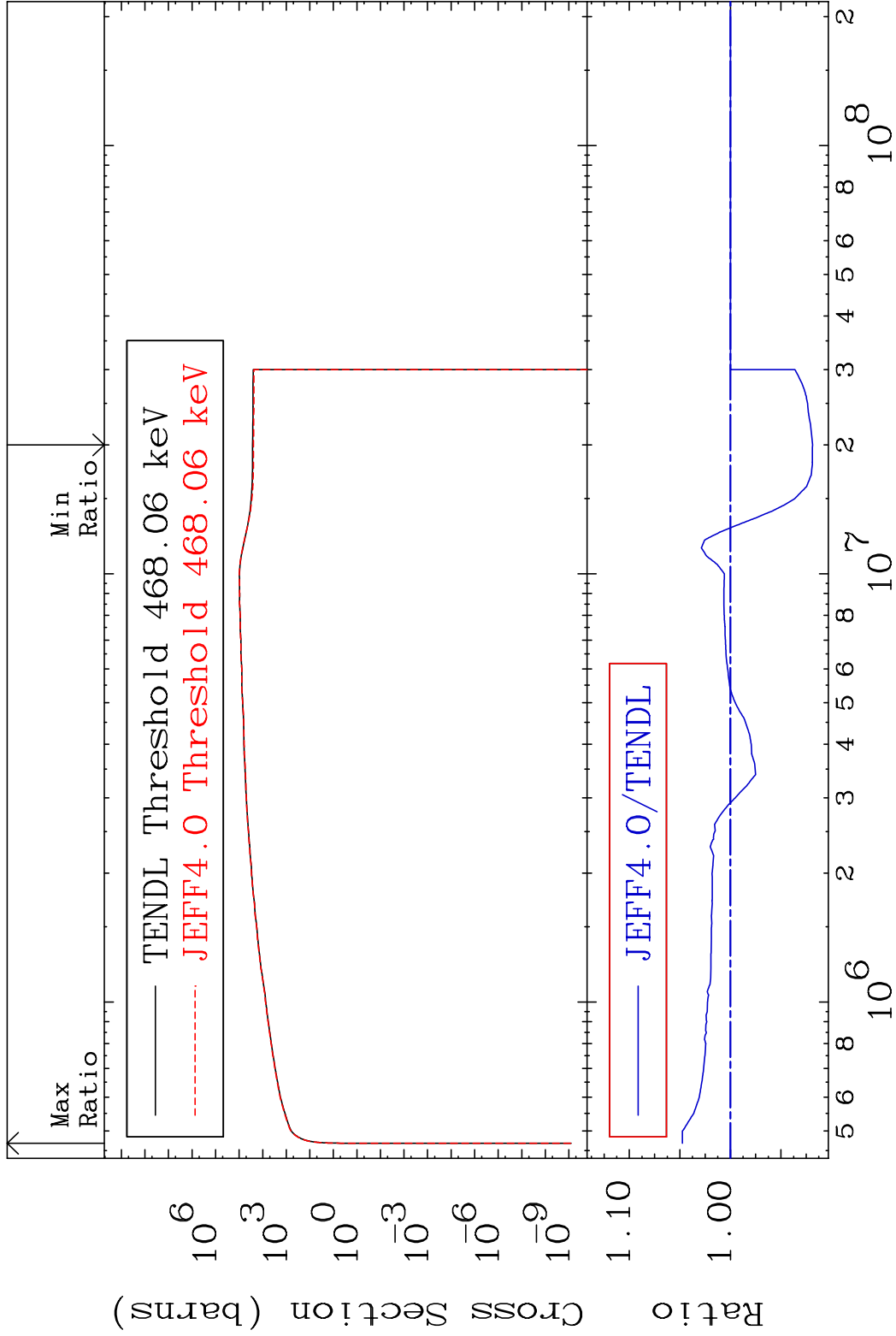


76 Incident Energy (eV) 56-Ba-132

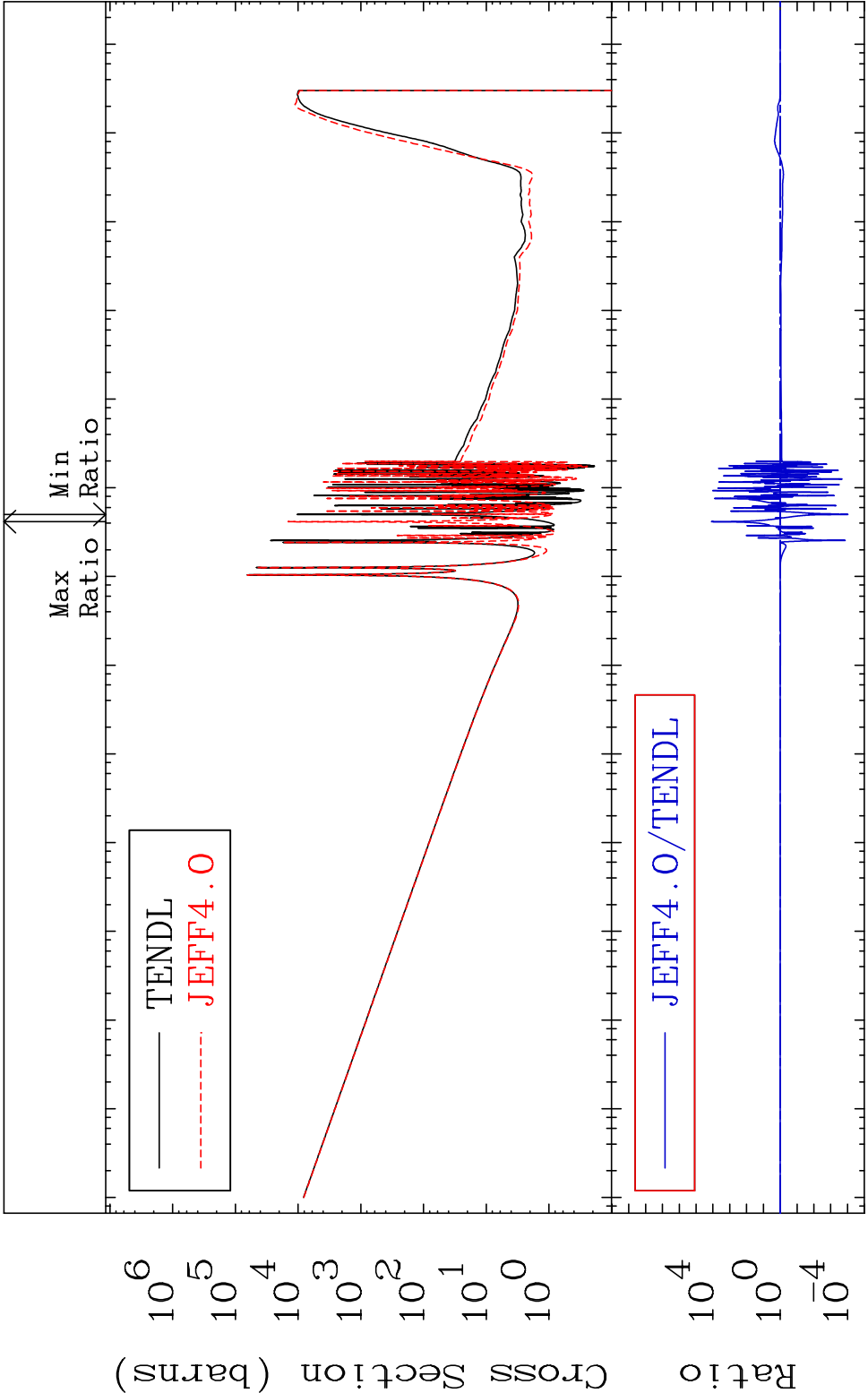
MAT 5631 Dpa elastic (mt2) 56-Ba-132
Cross Section -99.98 To 9999. %

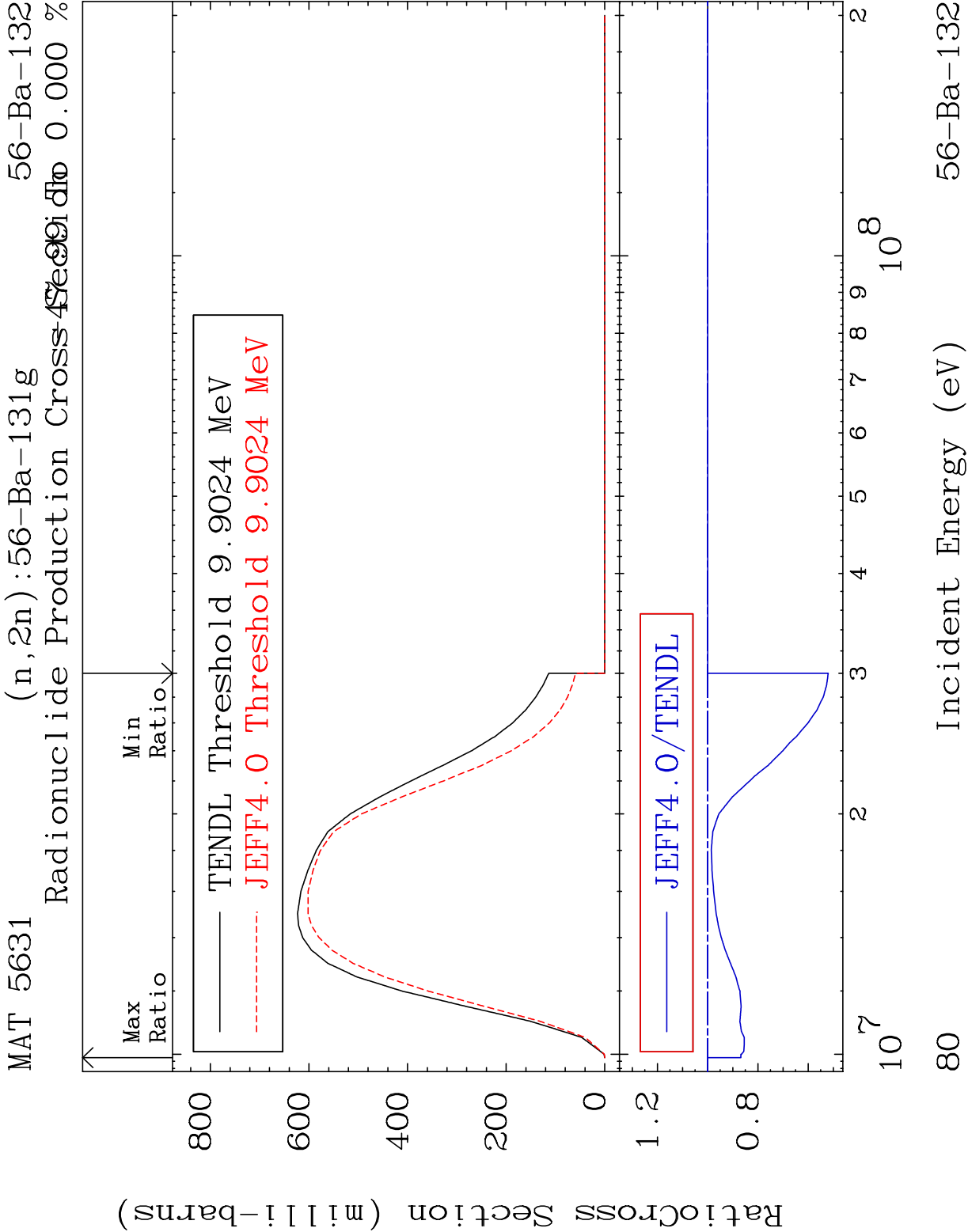


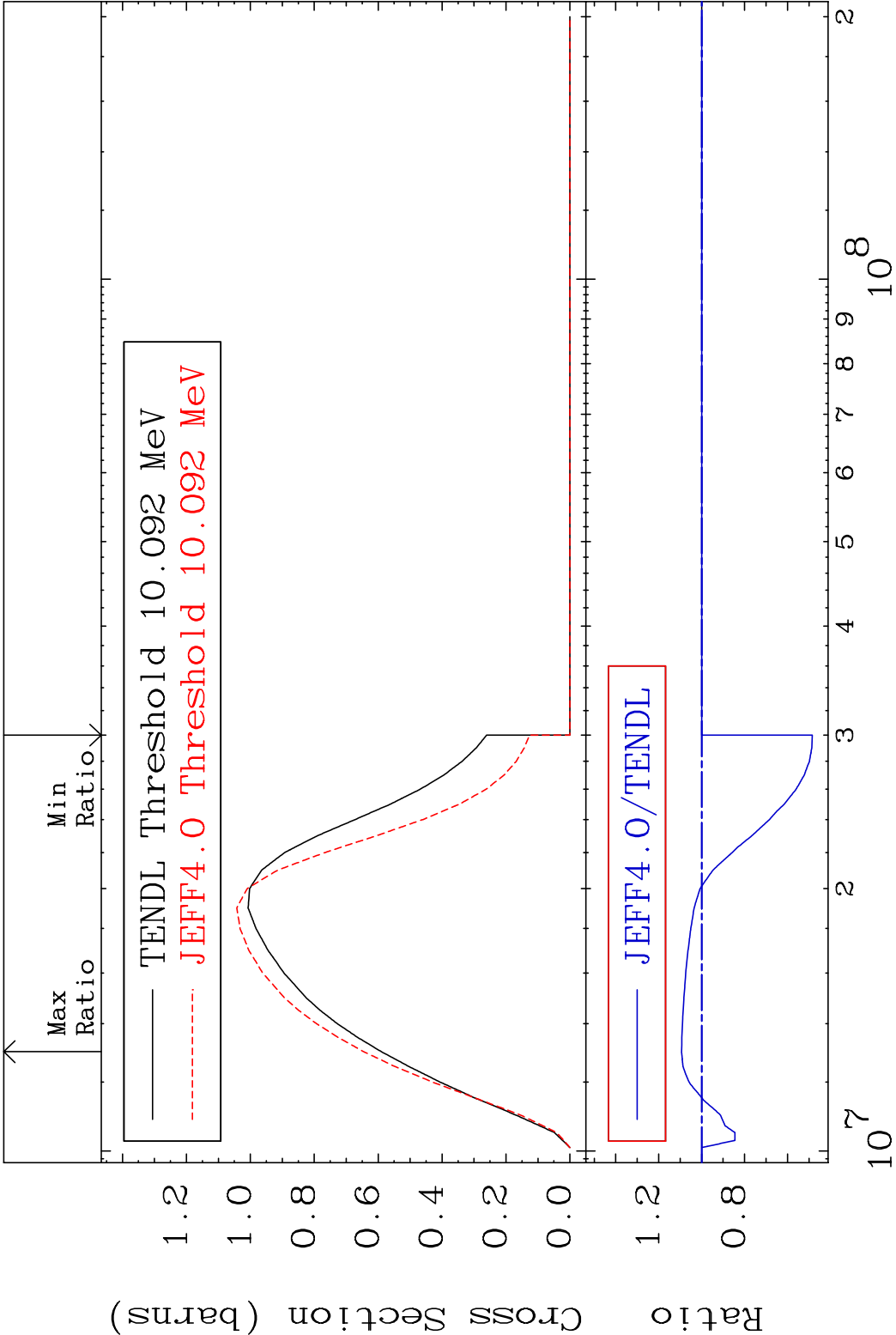
MAT 5631 Dpa inelastic (mt51-91) 56-Ba-132
Cross Section -8.127 To 4.757 %

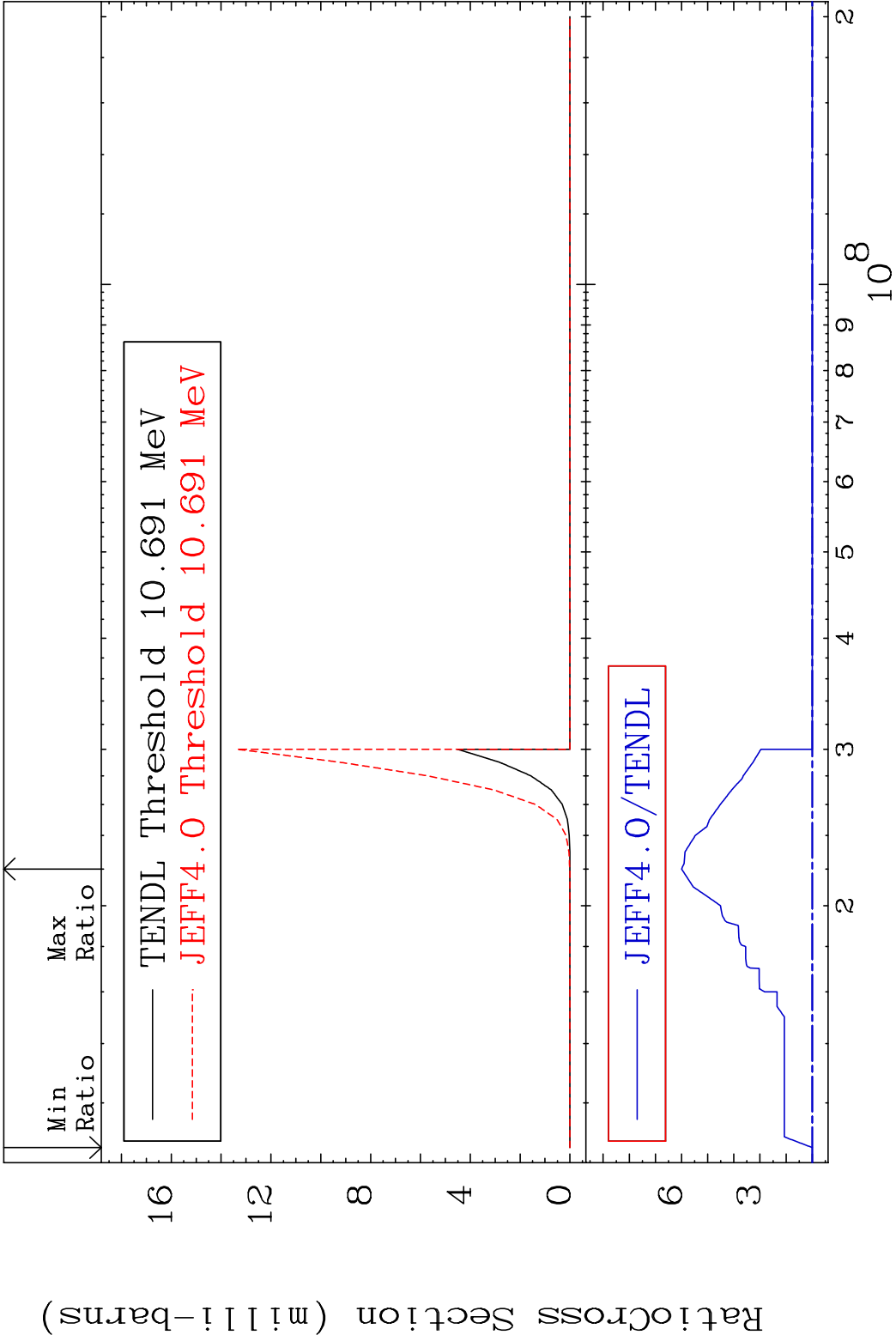


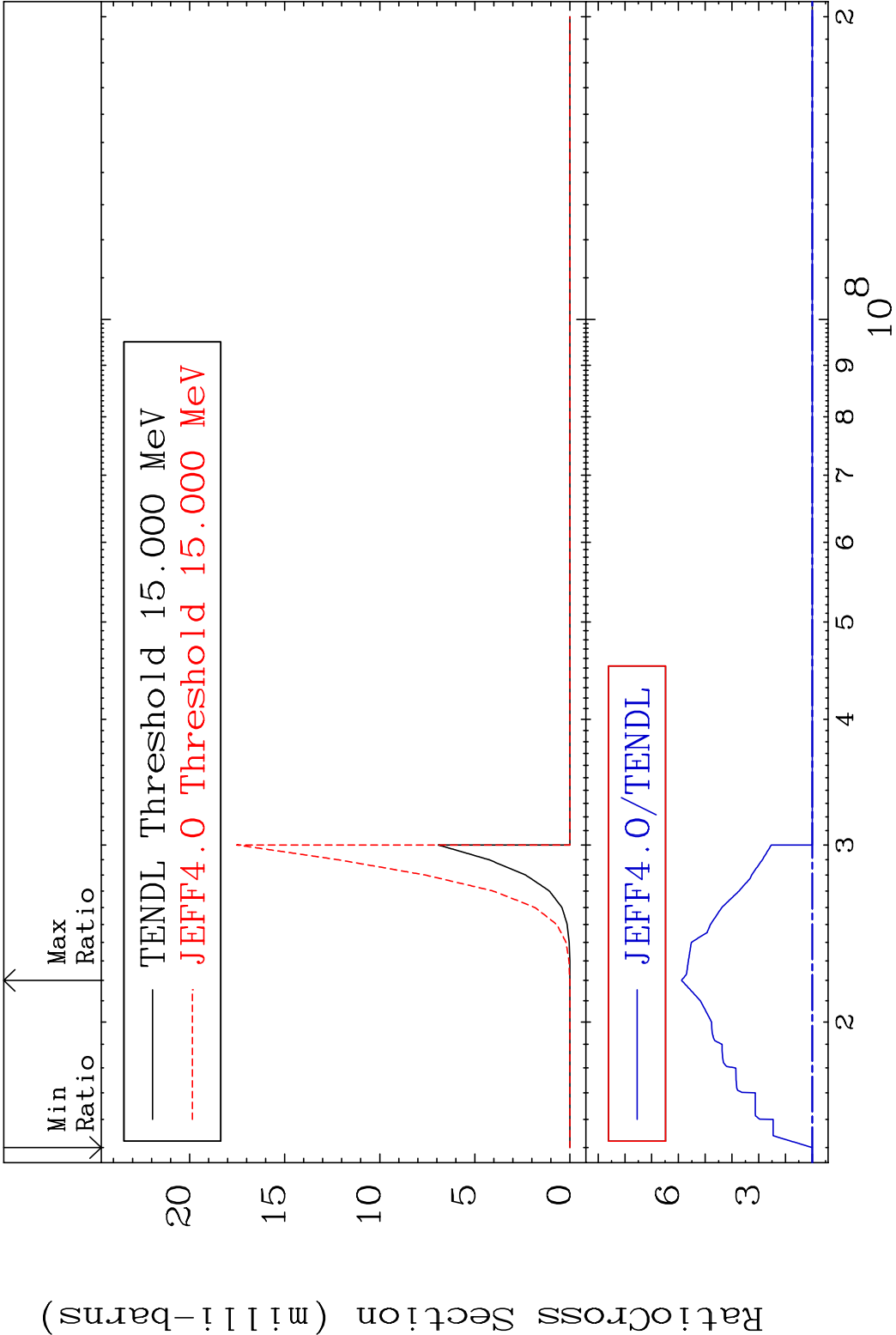
MAT 5631 Dpa disappearance (mt102 -120) 56-Ba-132
Cross Section -99.99 To 9999. %

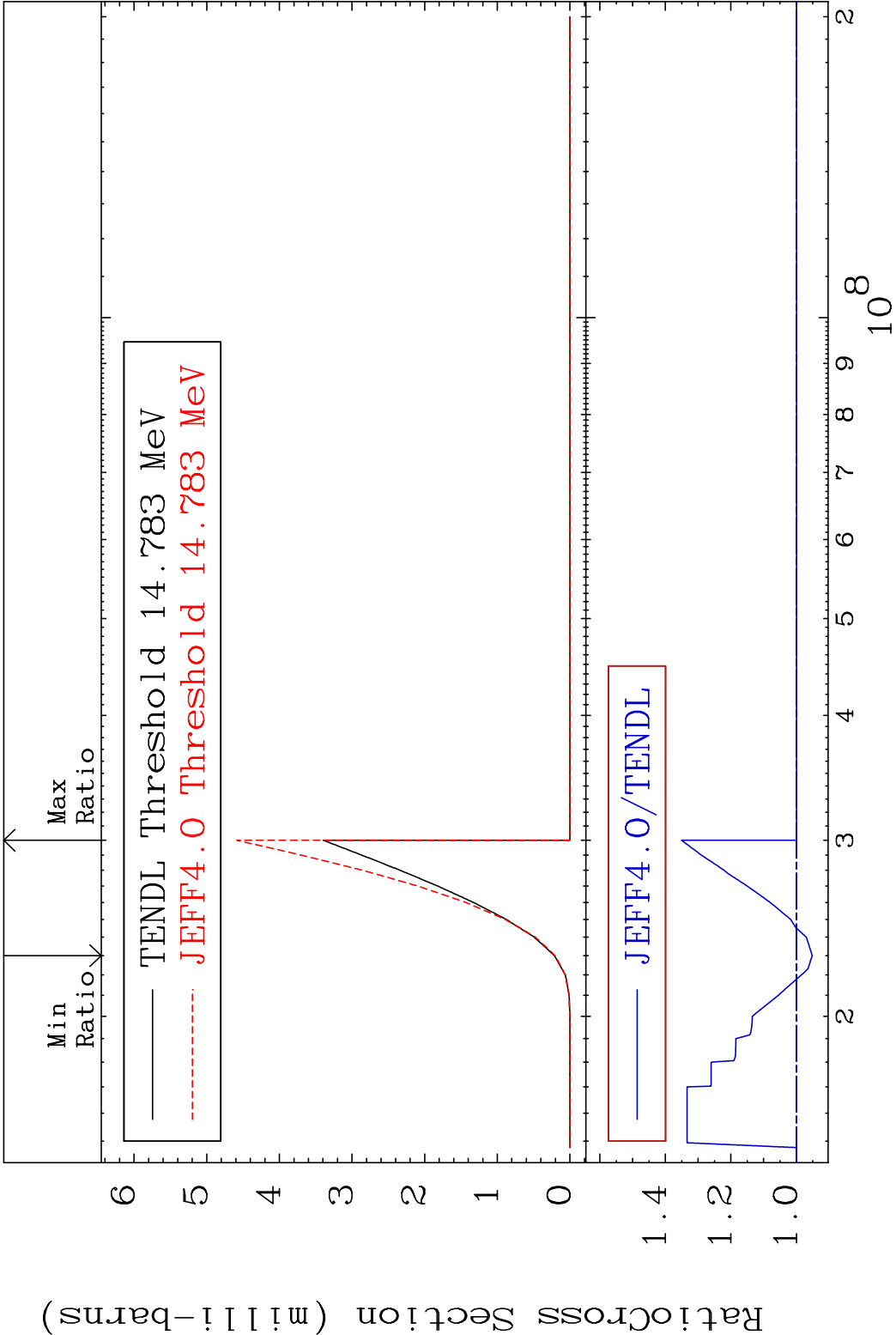


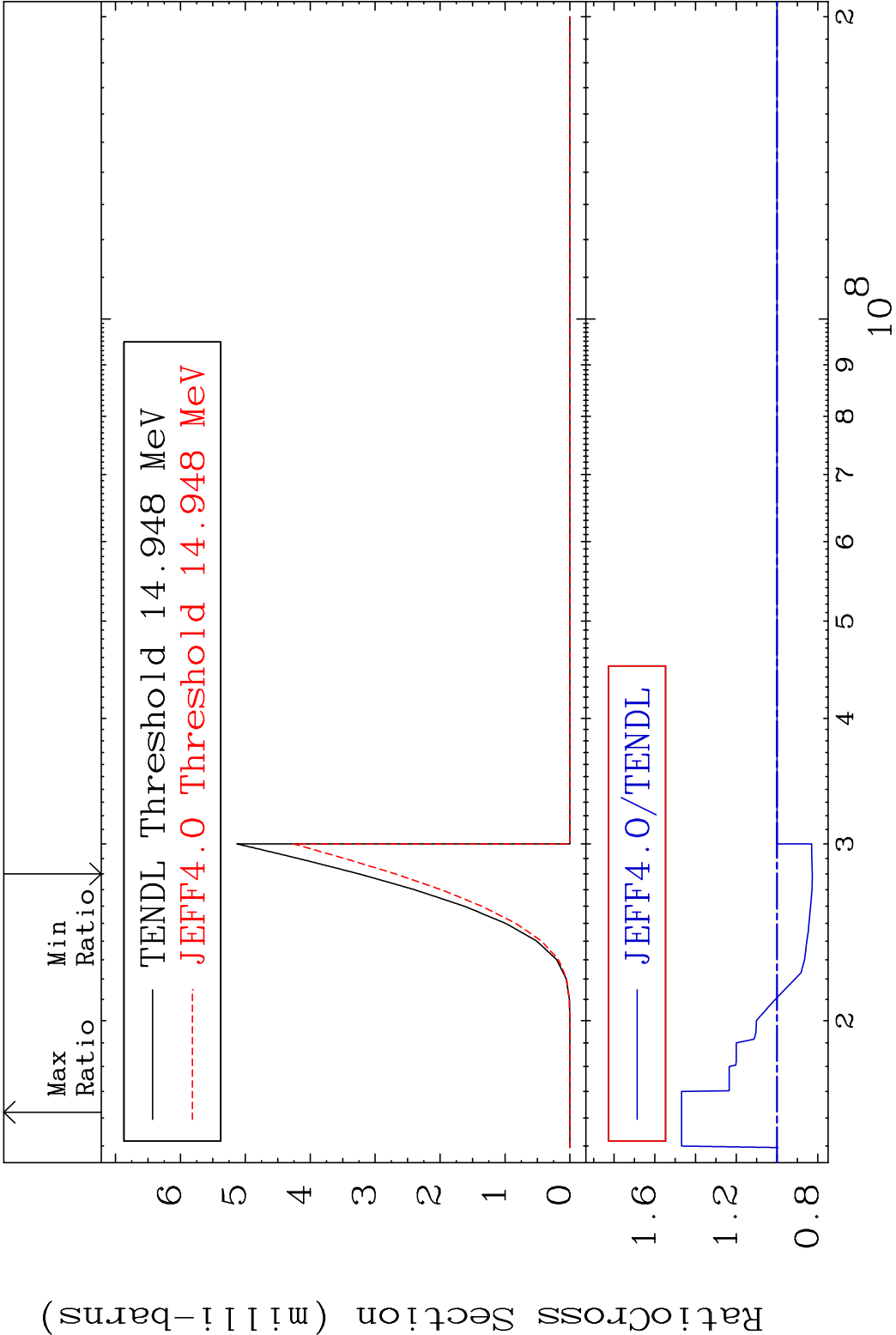


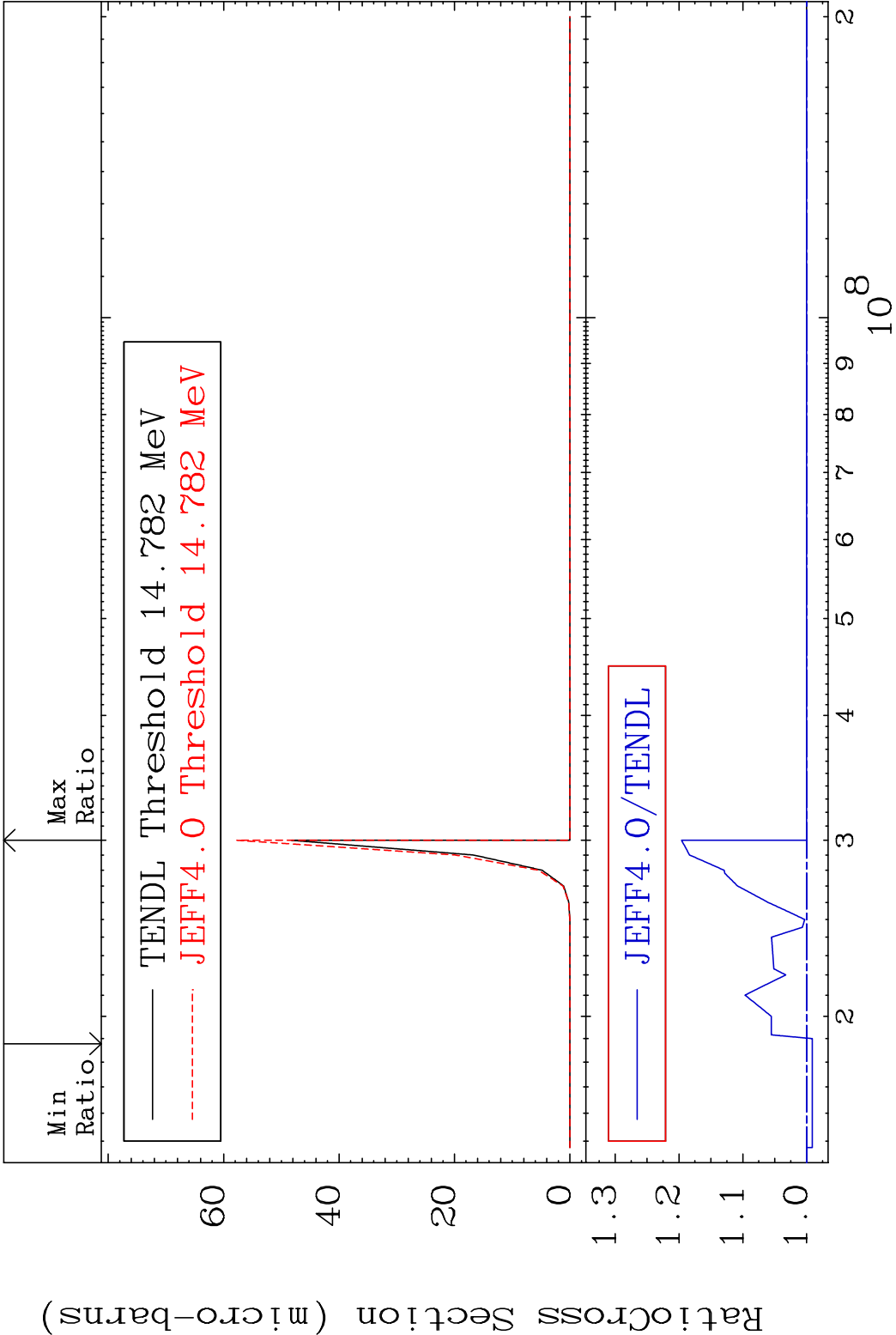


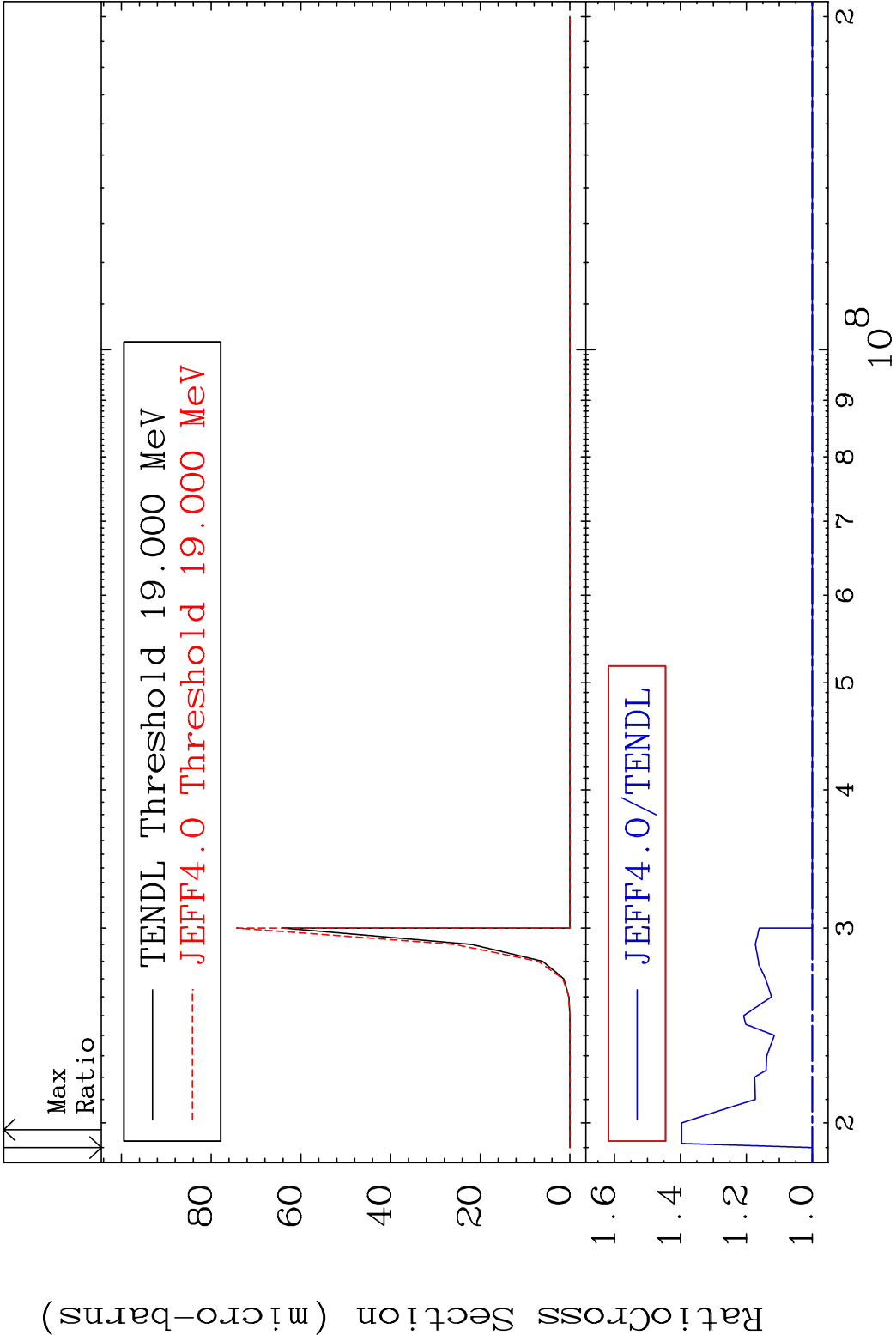


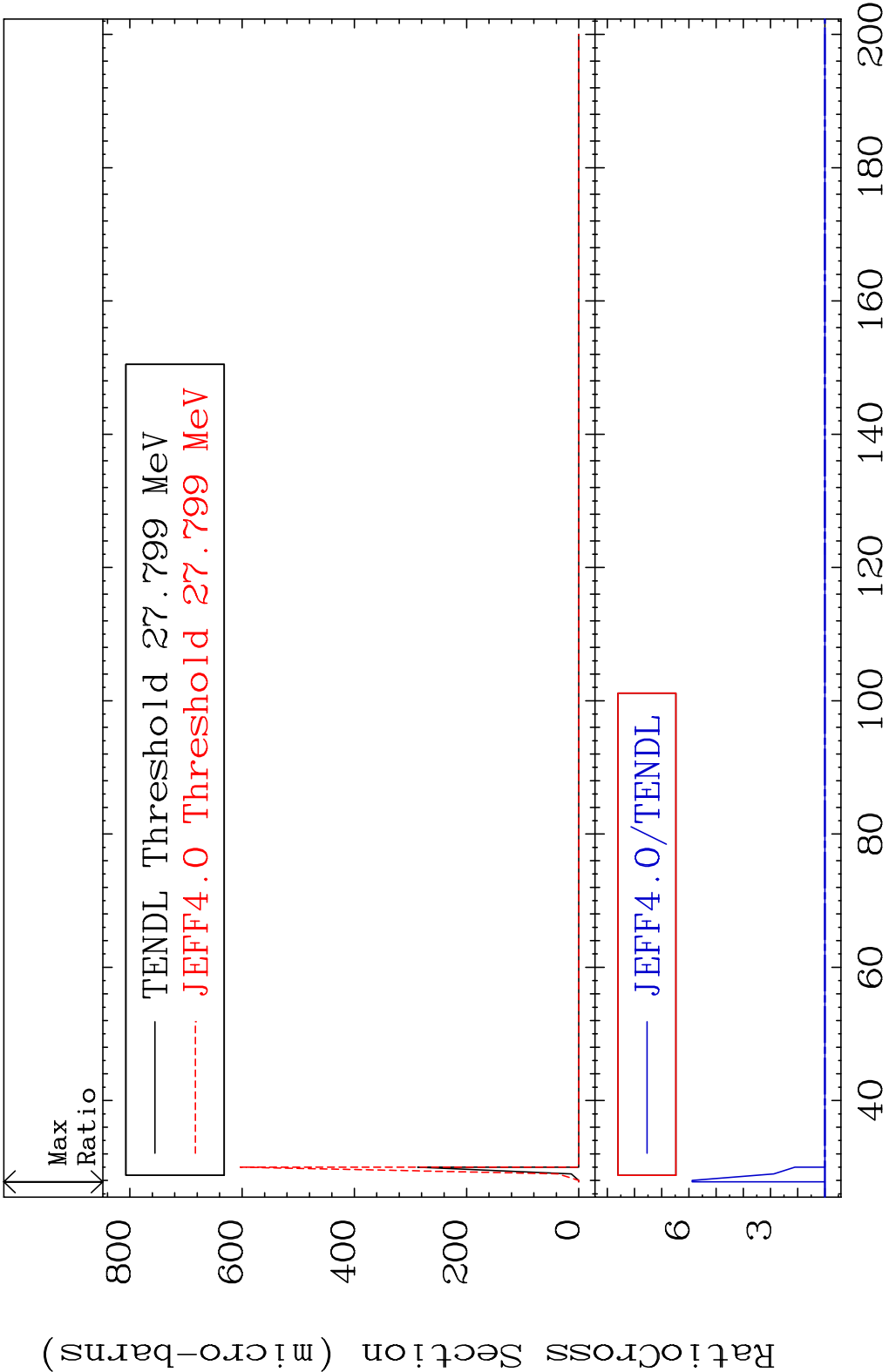


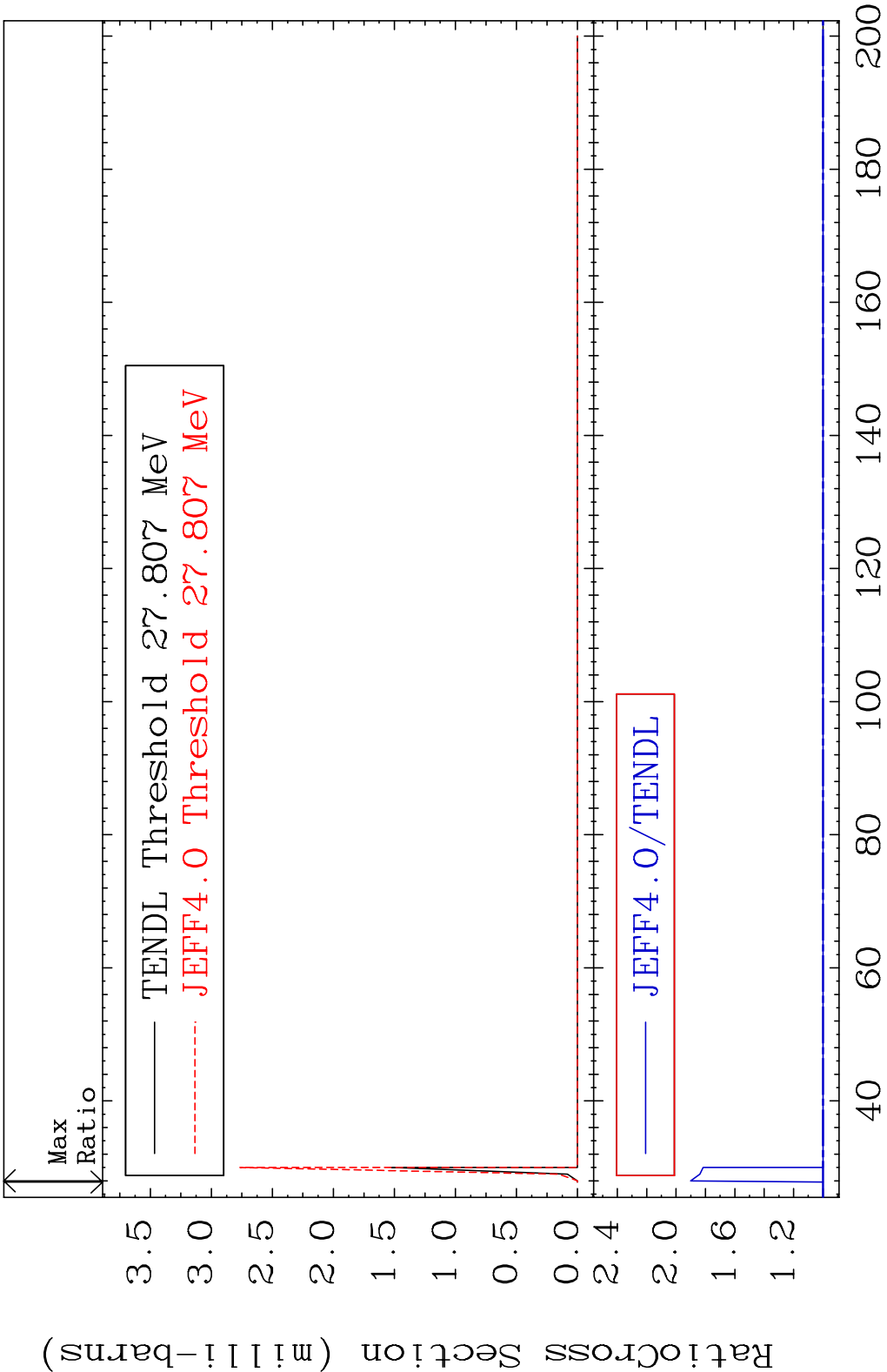


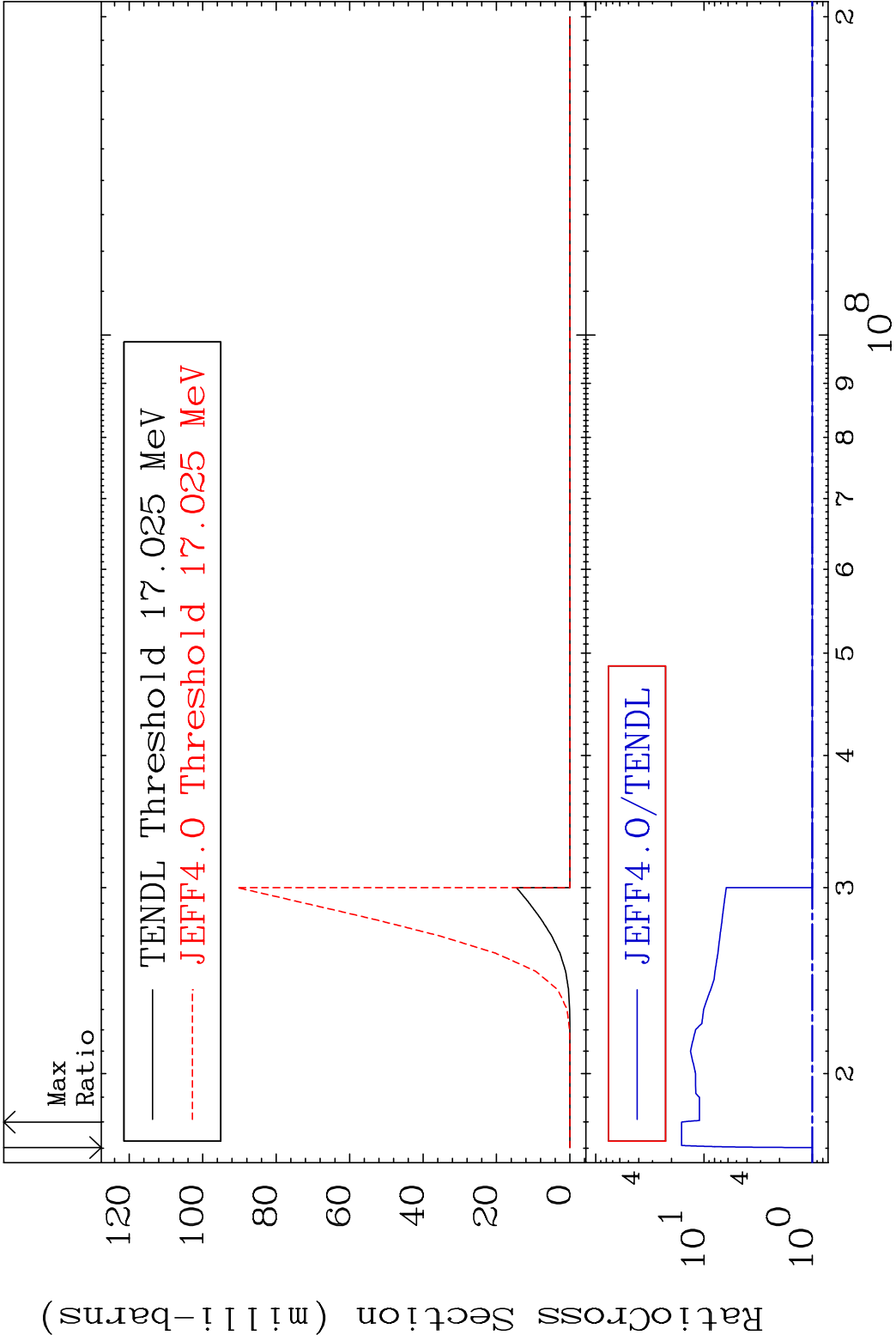












Radionuclide Production Cross Section, %

