

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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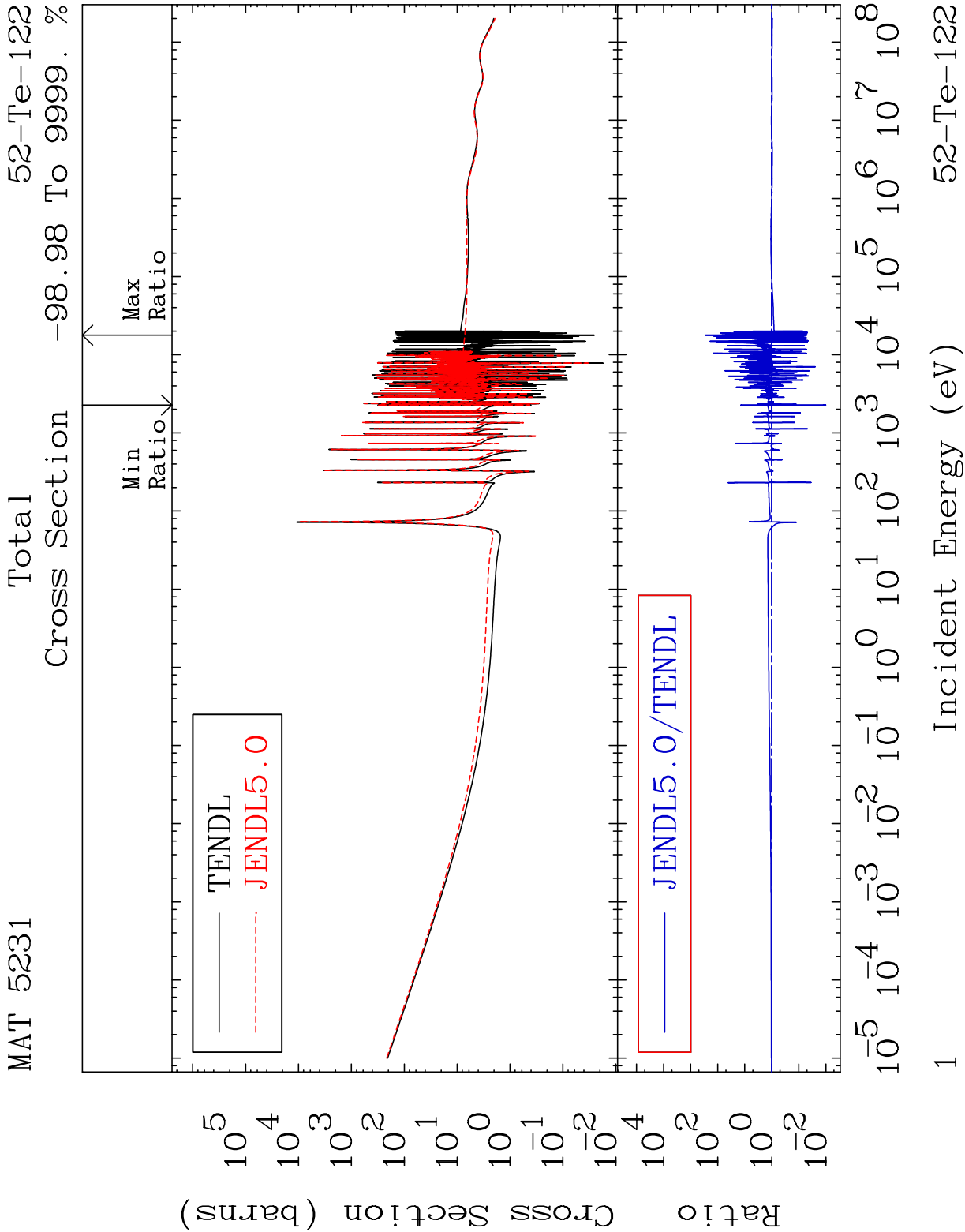
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

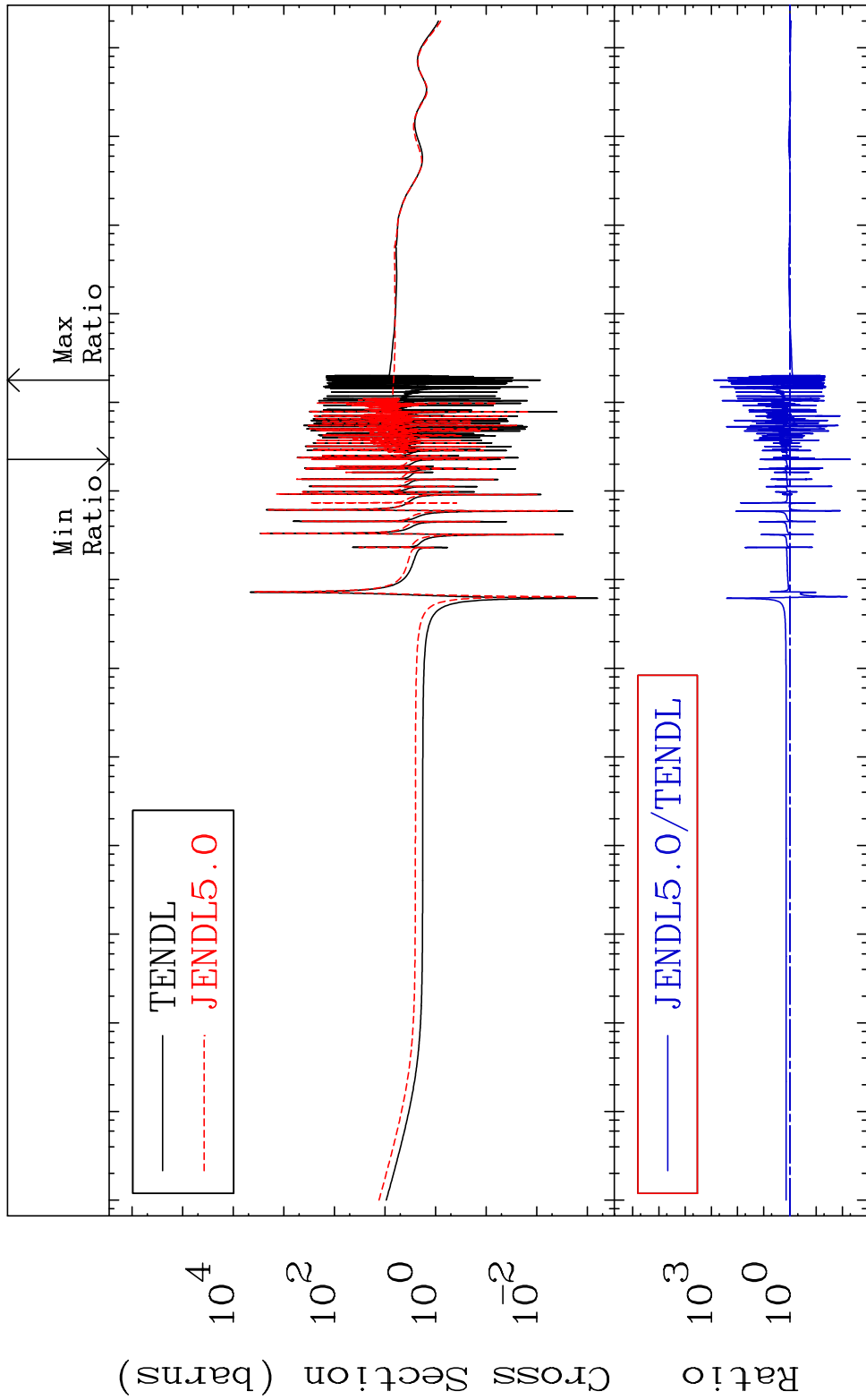


MAT 5231

Elastic

52-Te-122

Cross Section -99.50 To 9999. %

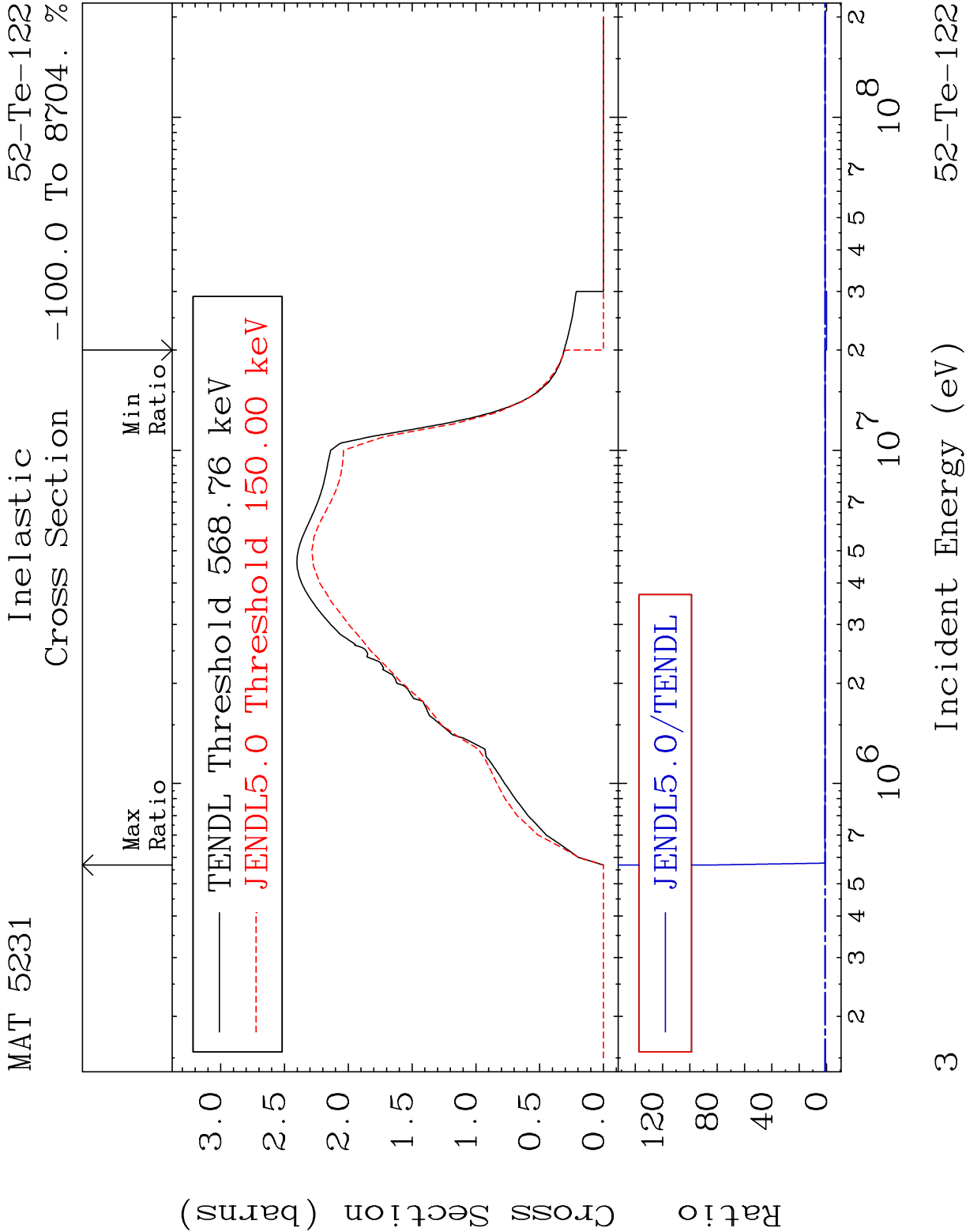


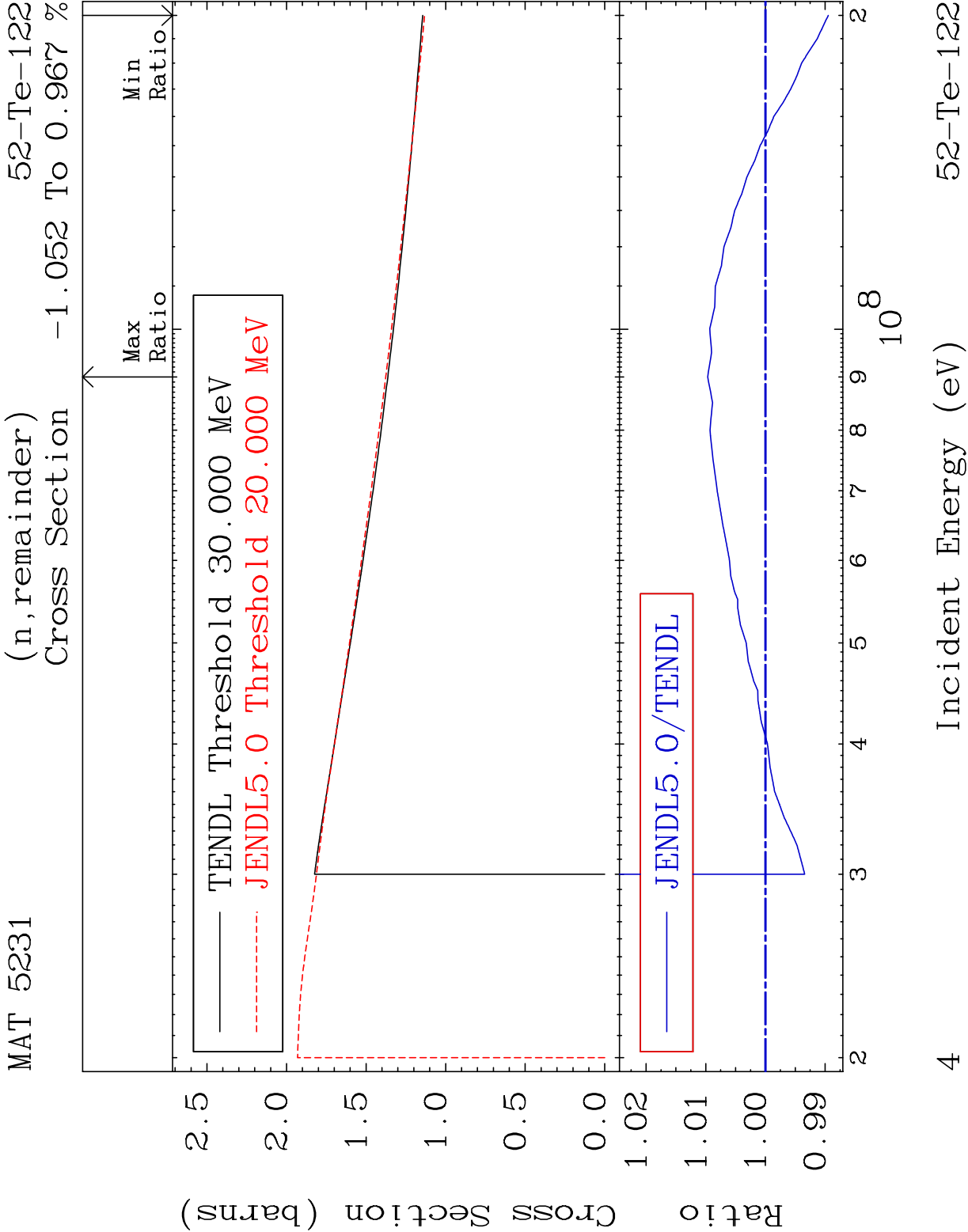
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

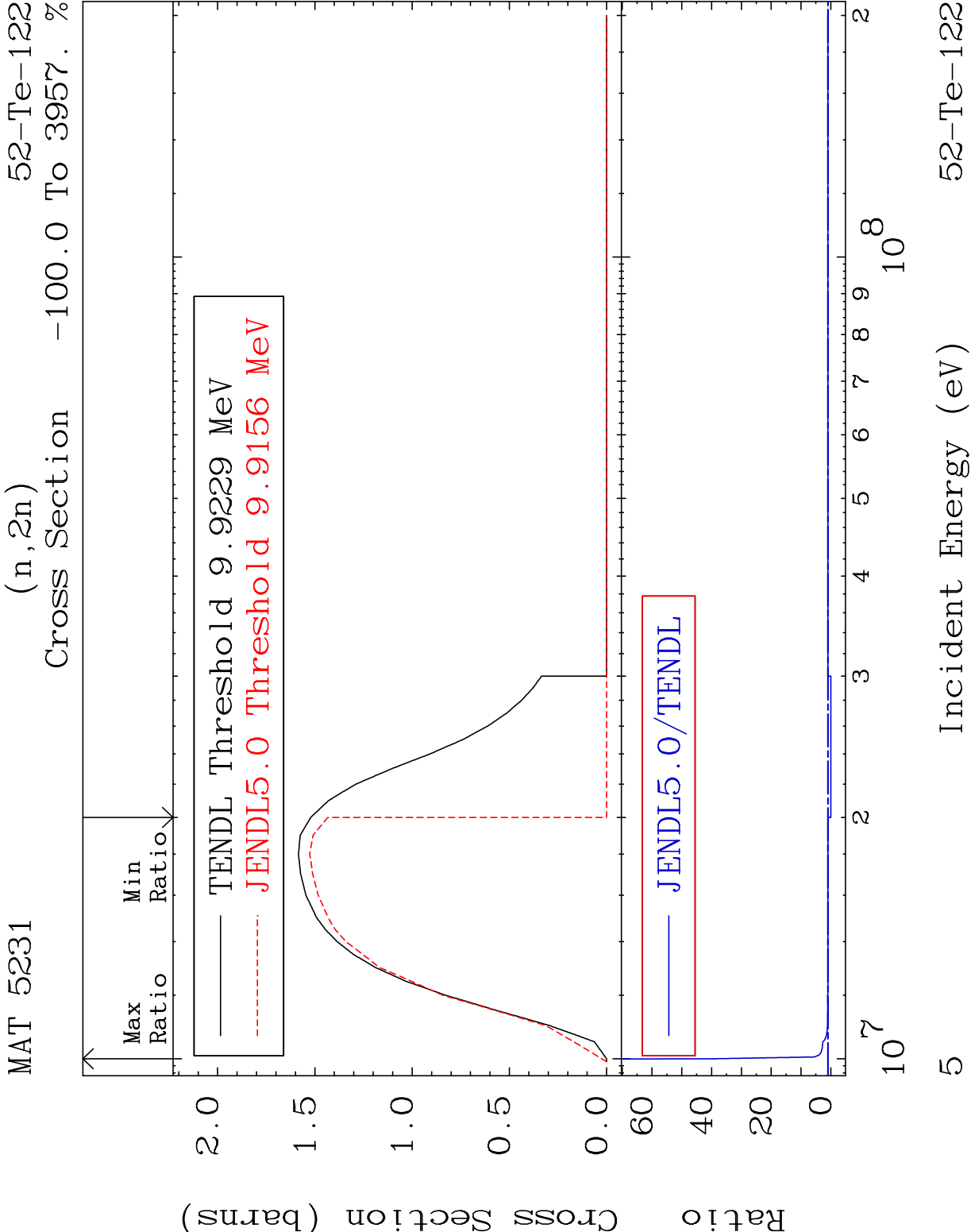
2

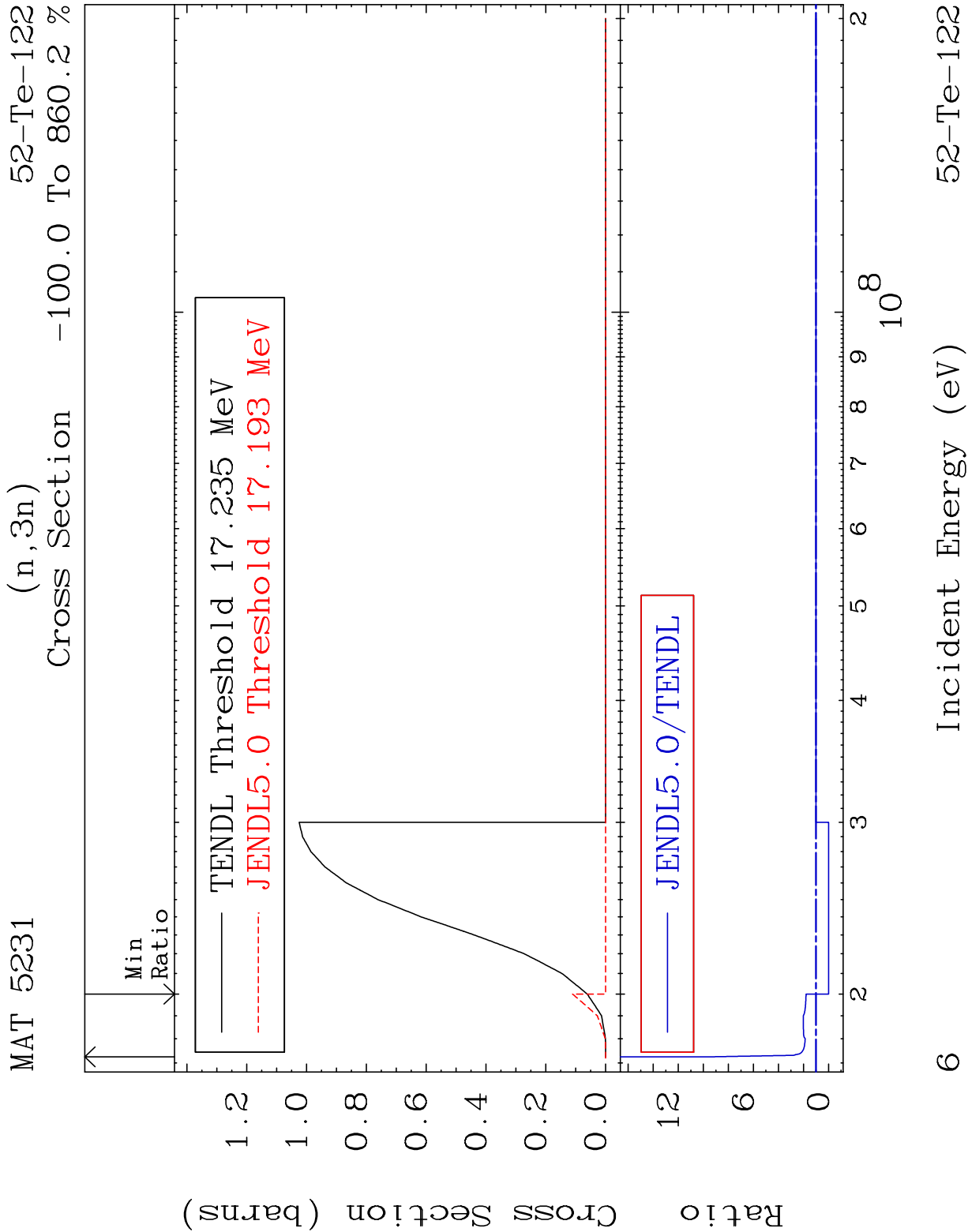
Incident Energy (eV)

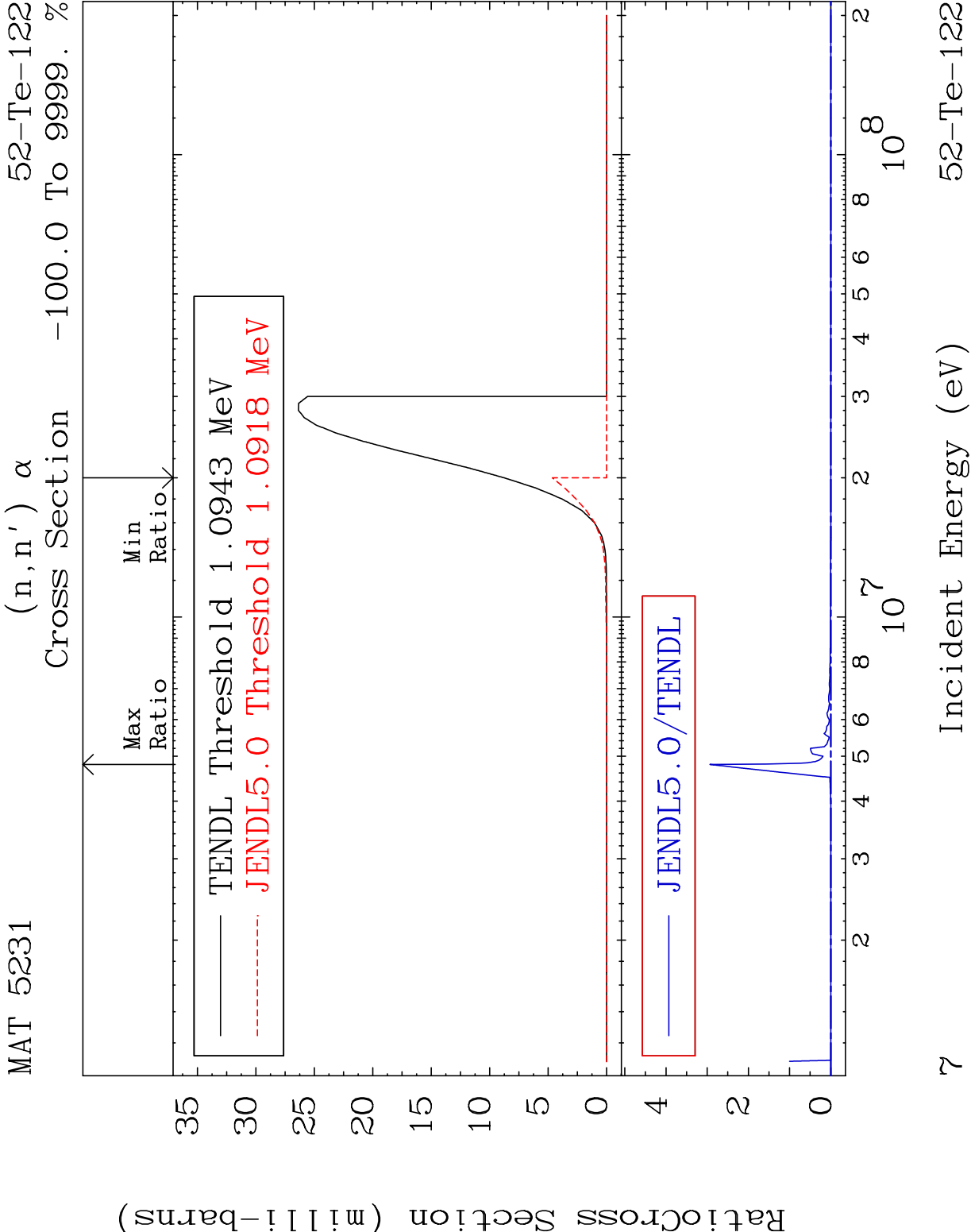
52-Te-122

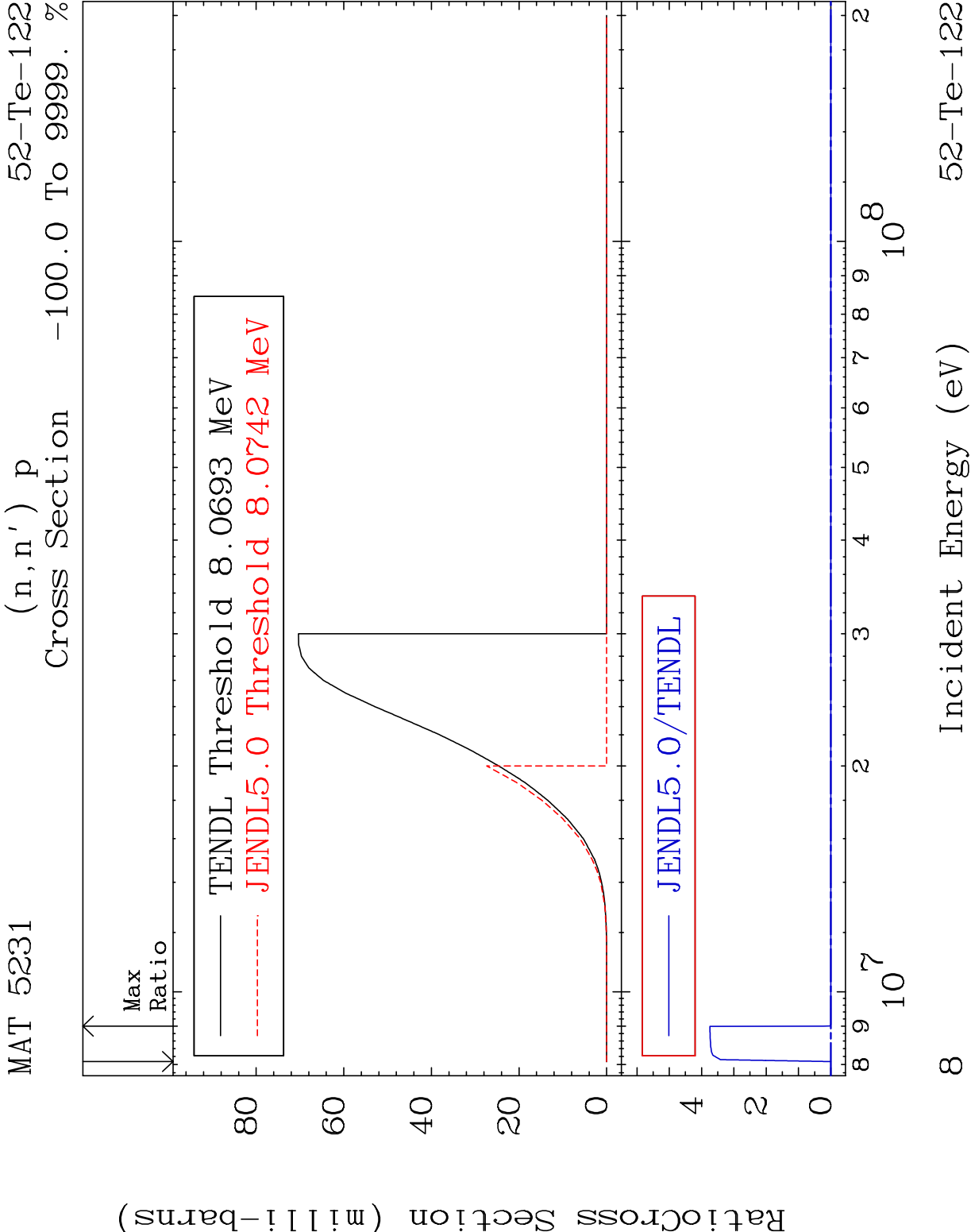


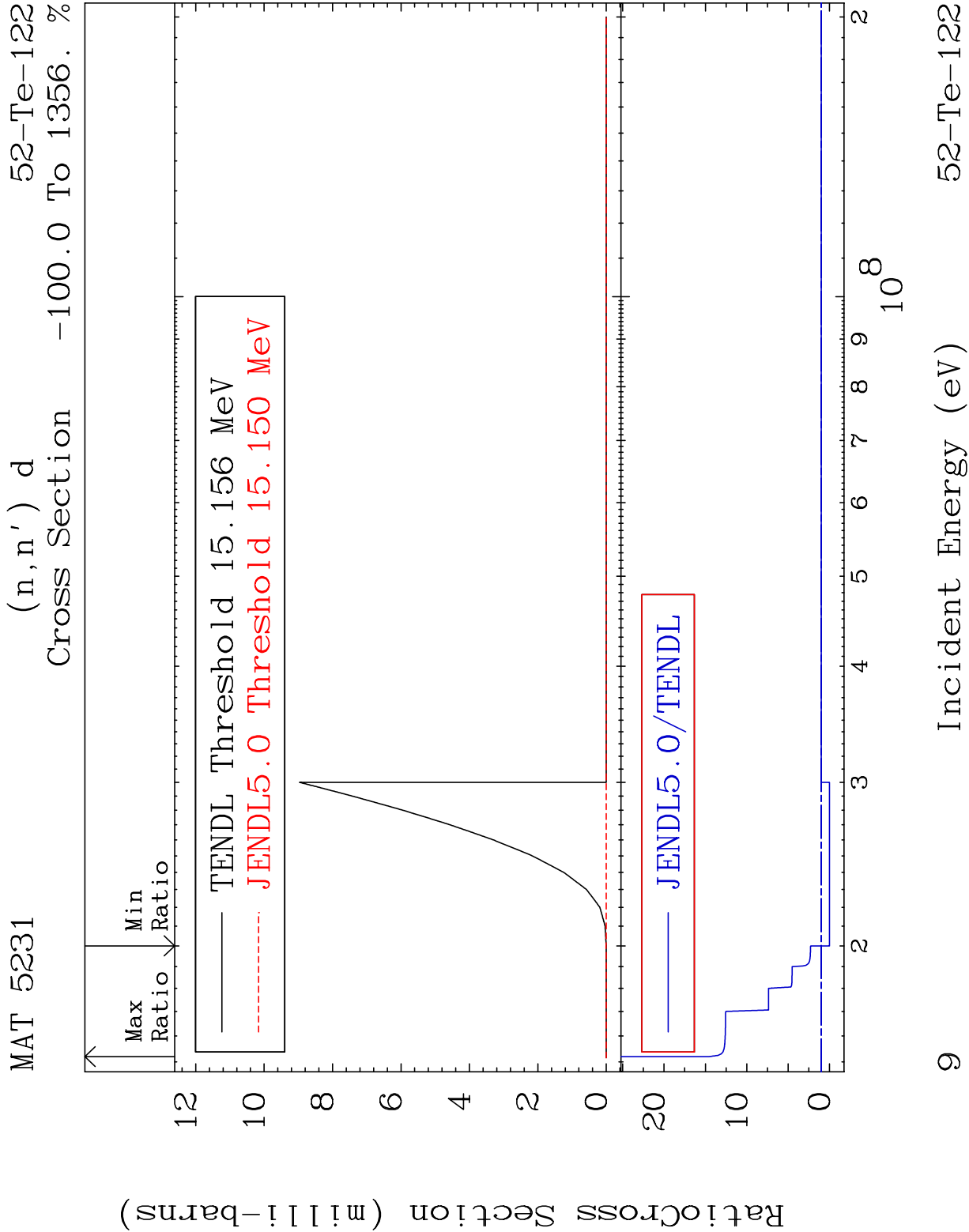


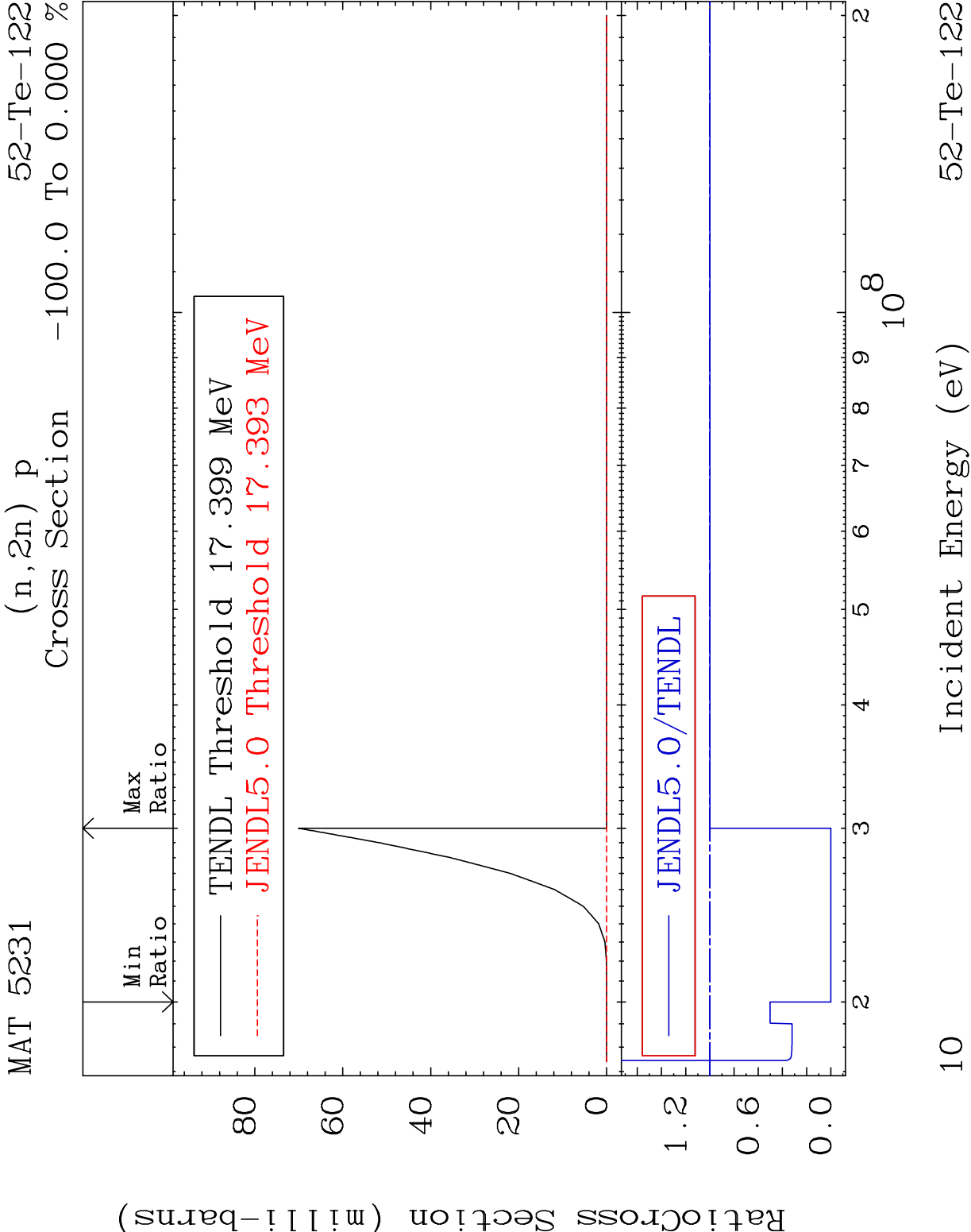




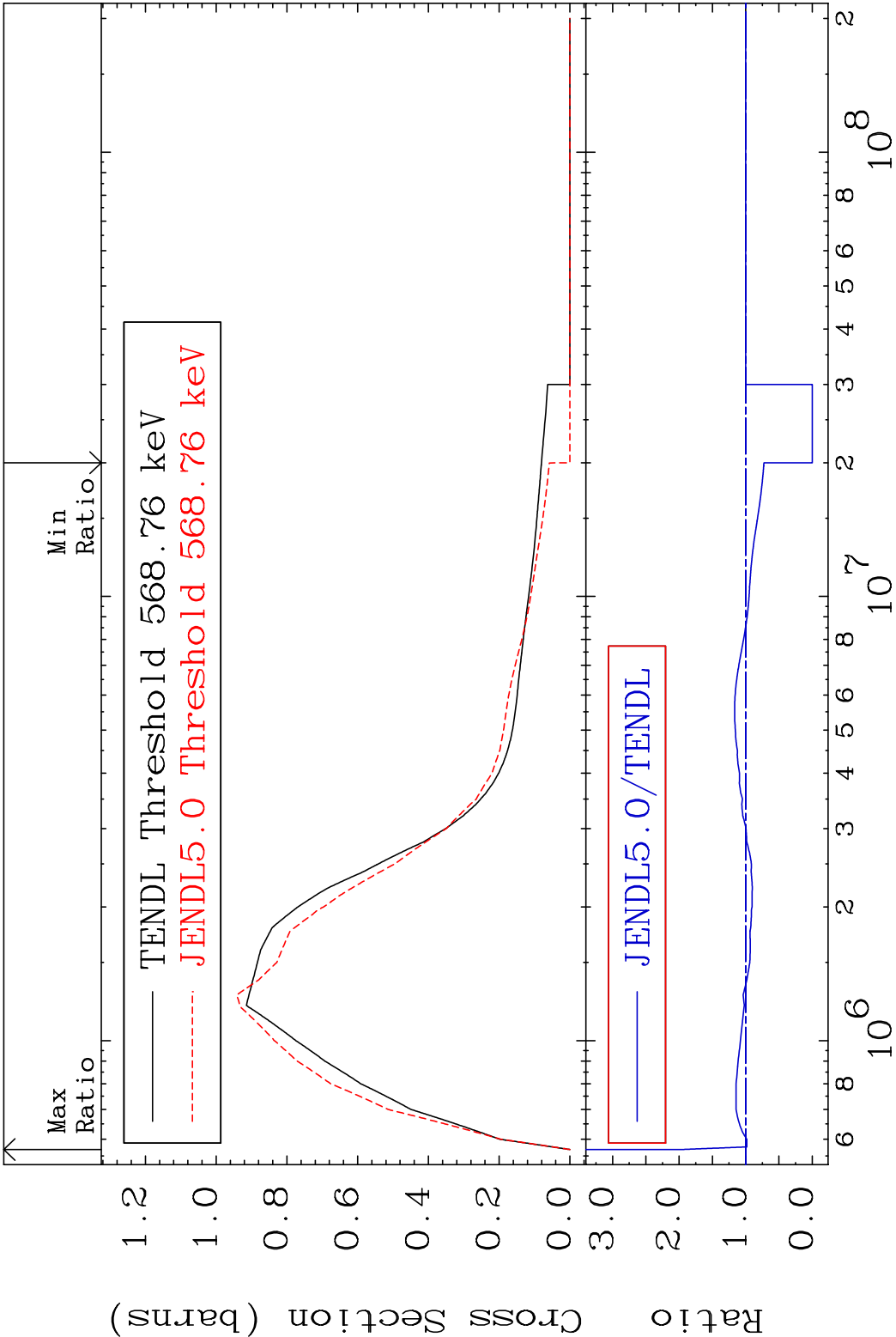




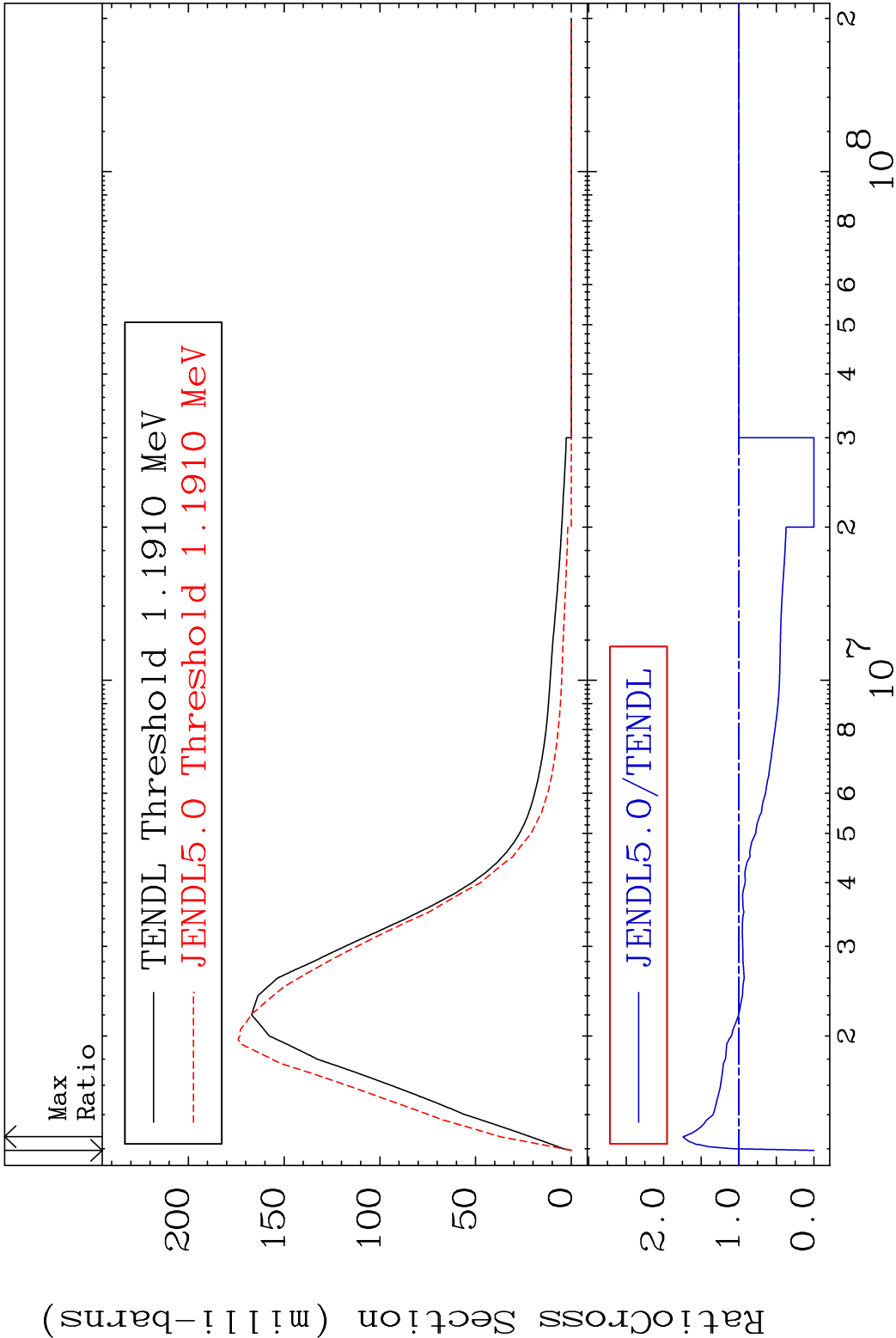




MAT 5231 MT= 51 (n,n') Level 52-Te-122
 Cross Section -100.0 To 96.38 %



MAT 5231 MT= 52 (n,n') Level 52-Te-122
Cross Section -100.0 To 74.23 %



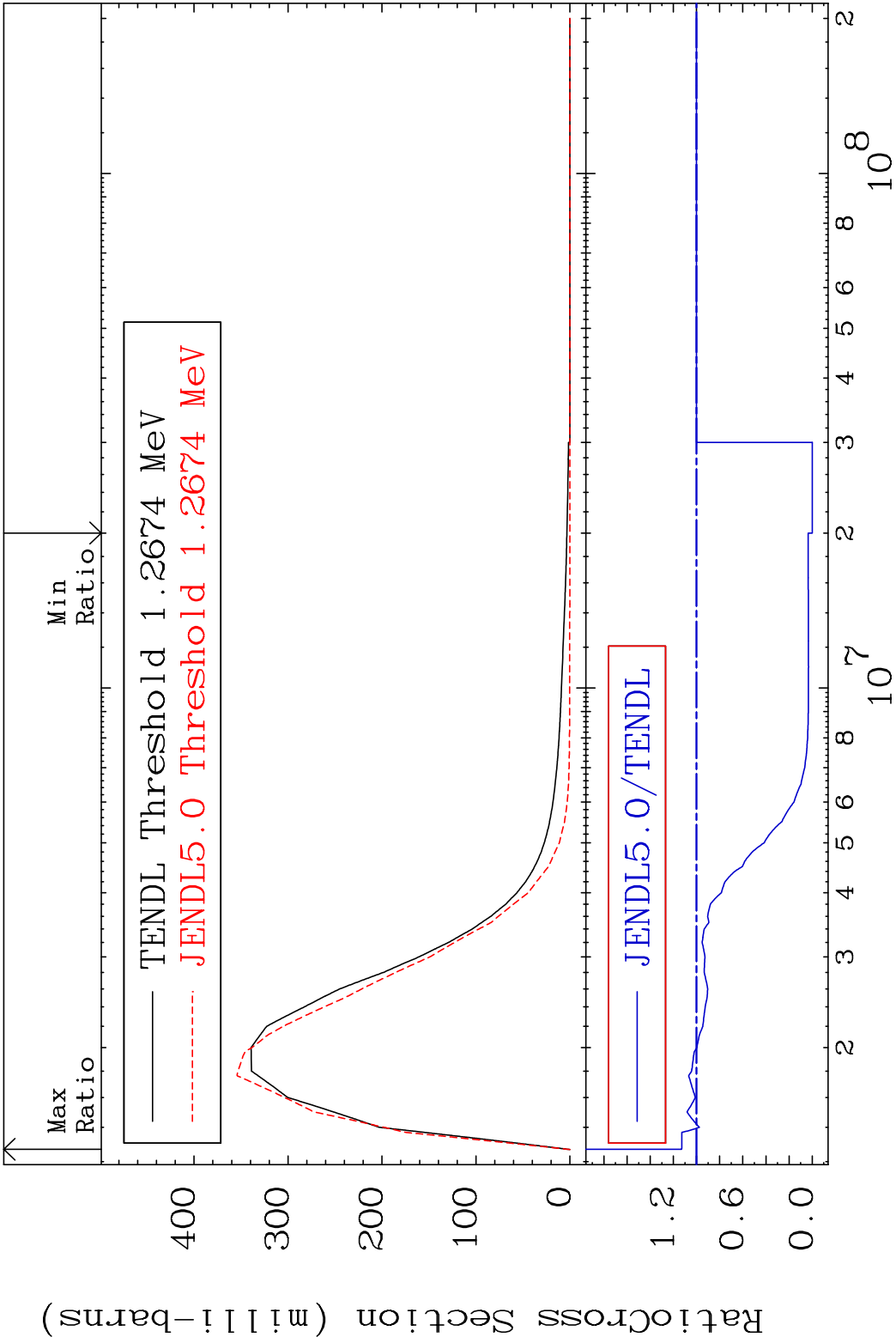
MAT 5231

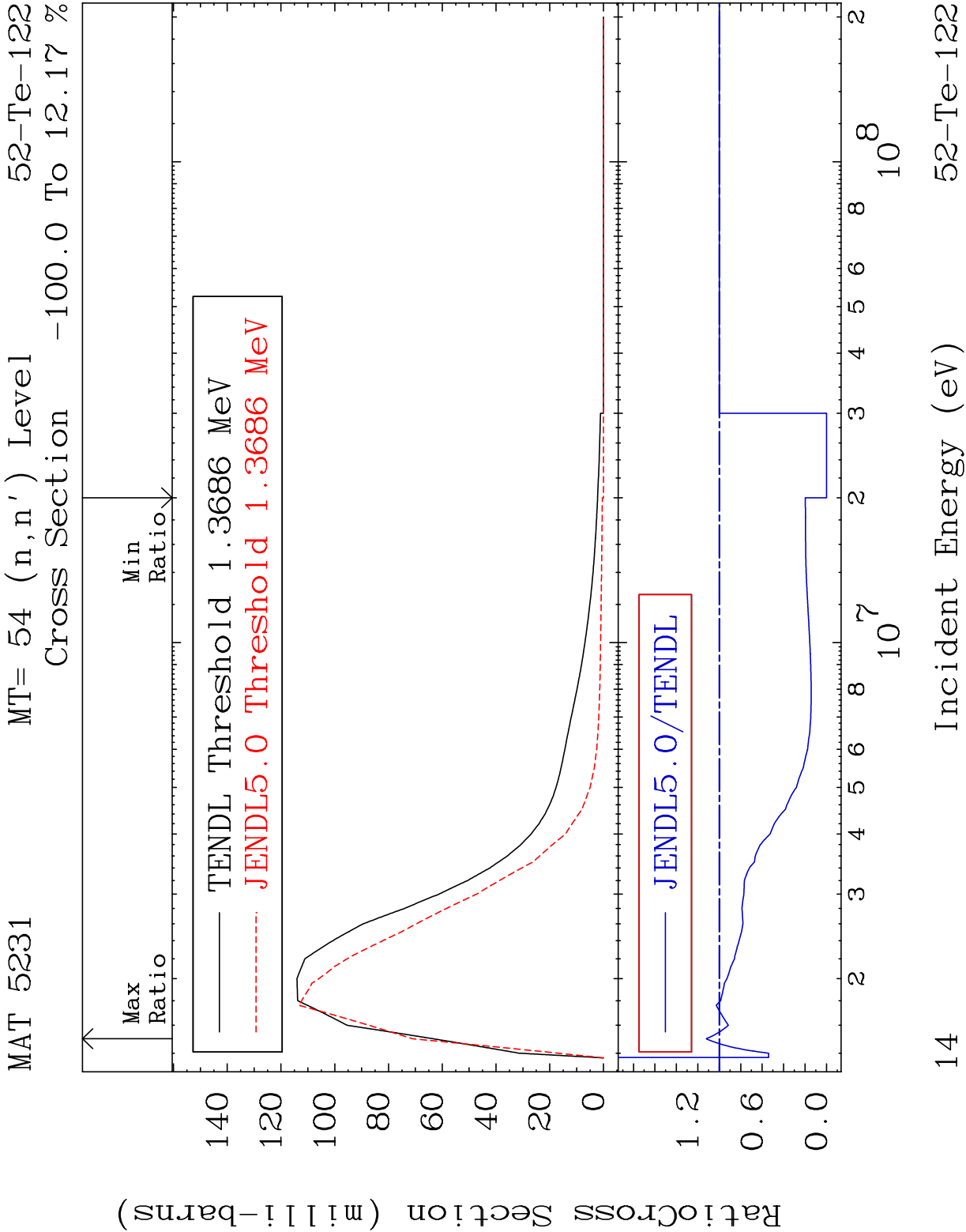
MT= 53 (n,n') Level

52-Te-122

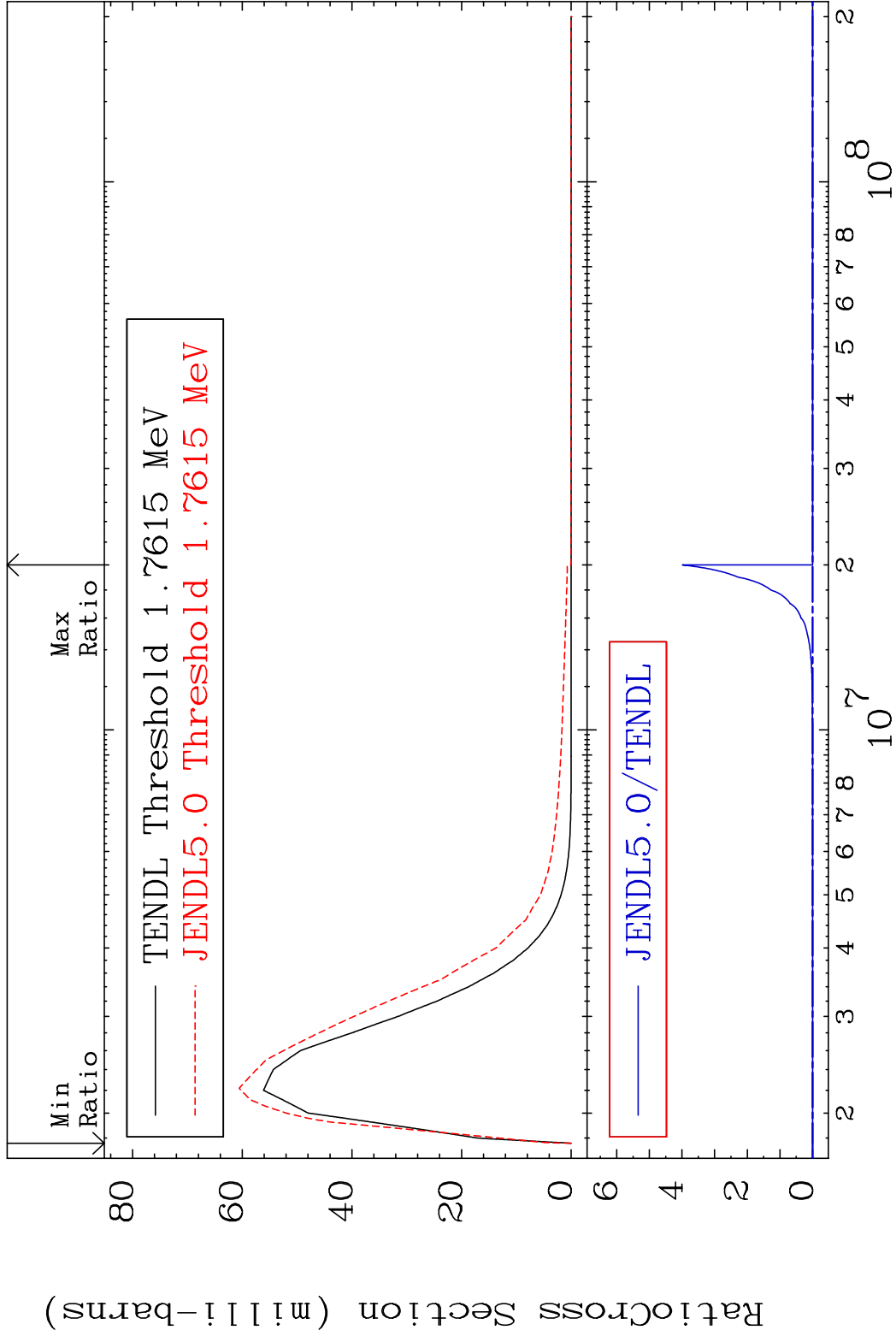
Cross Section

-100.0 To 12.95 %

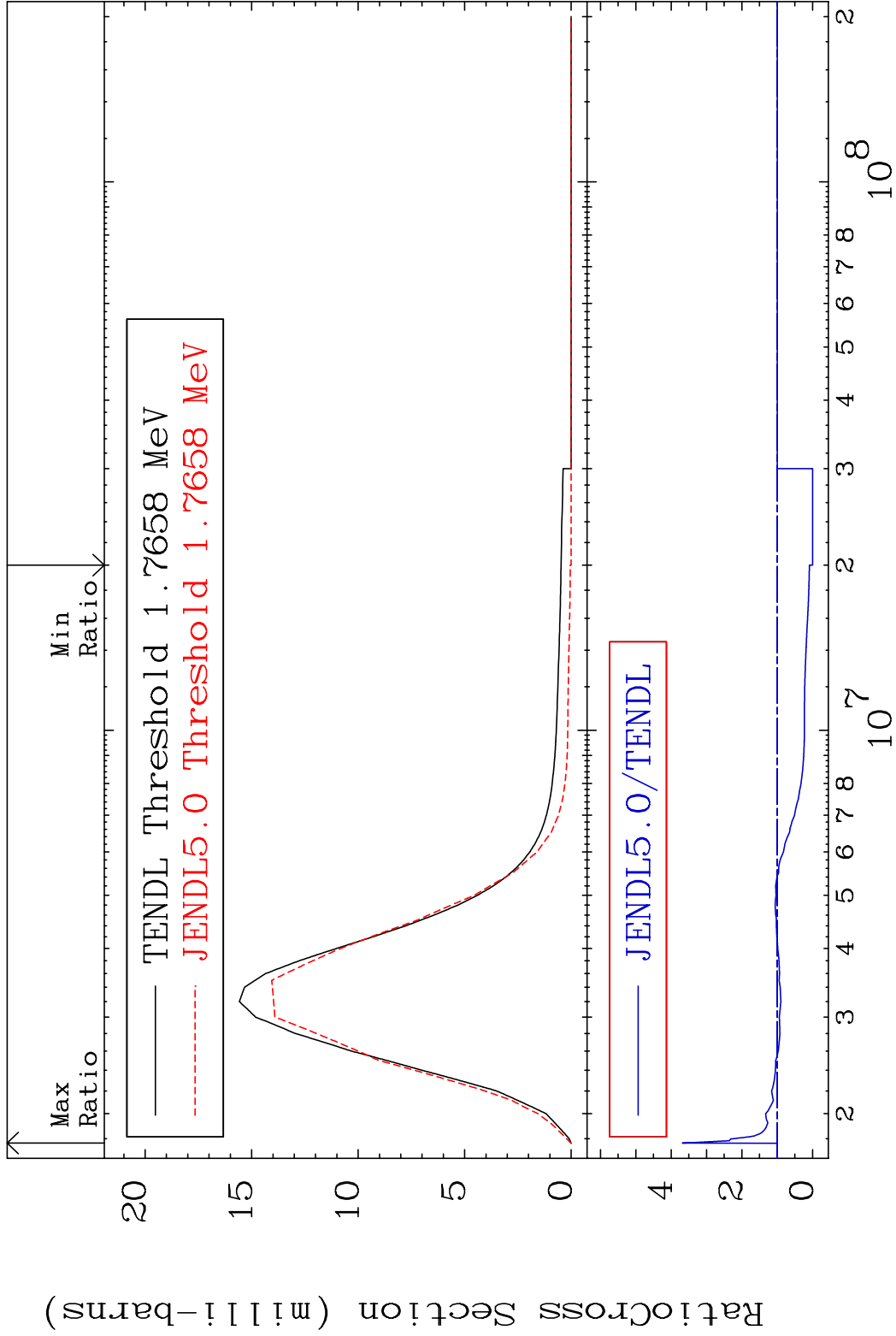




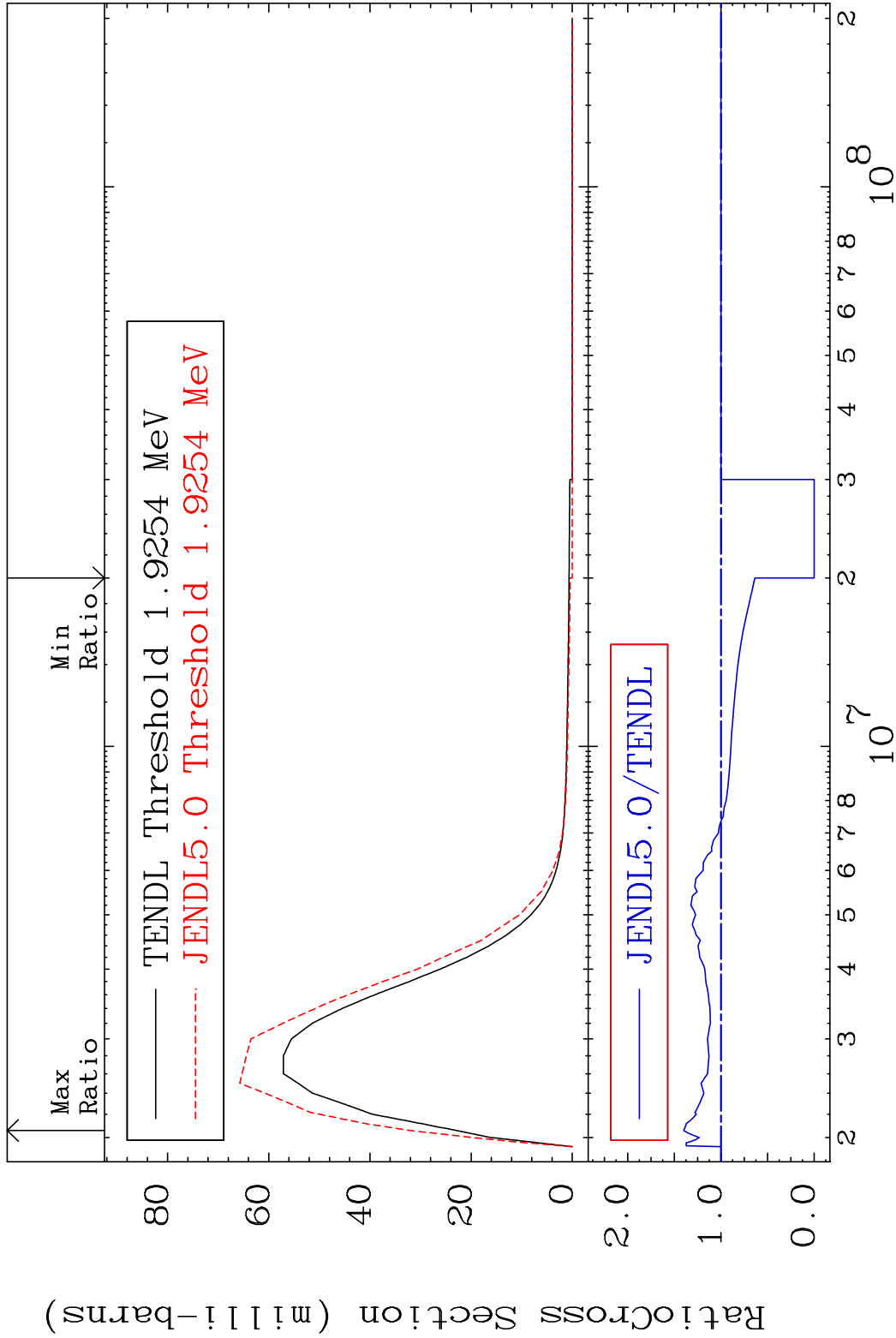
MAT 5231 MT= 55 (n,n') Level 52-Te-122
Cross Section -100.0 To 9999. %

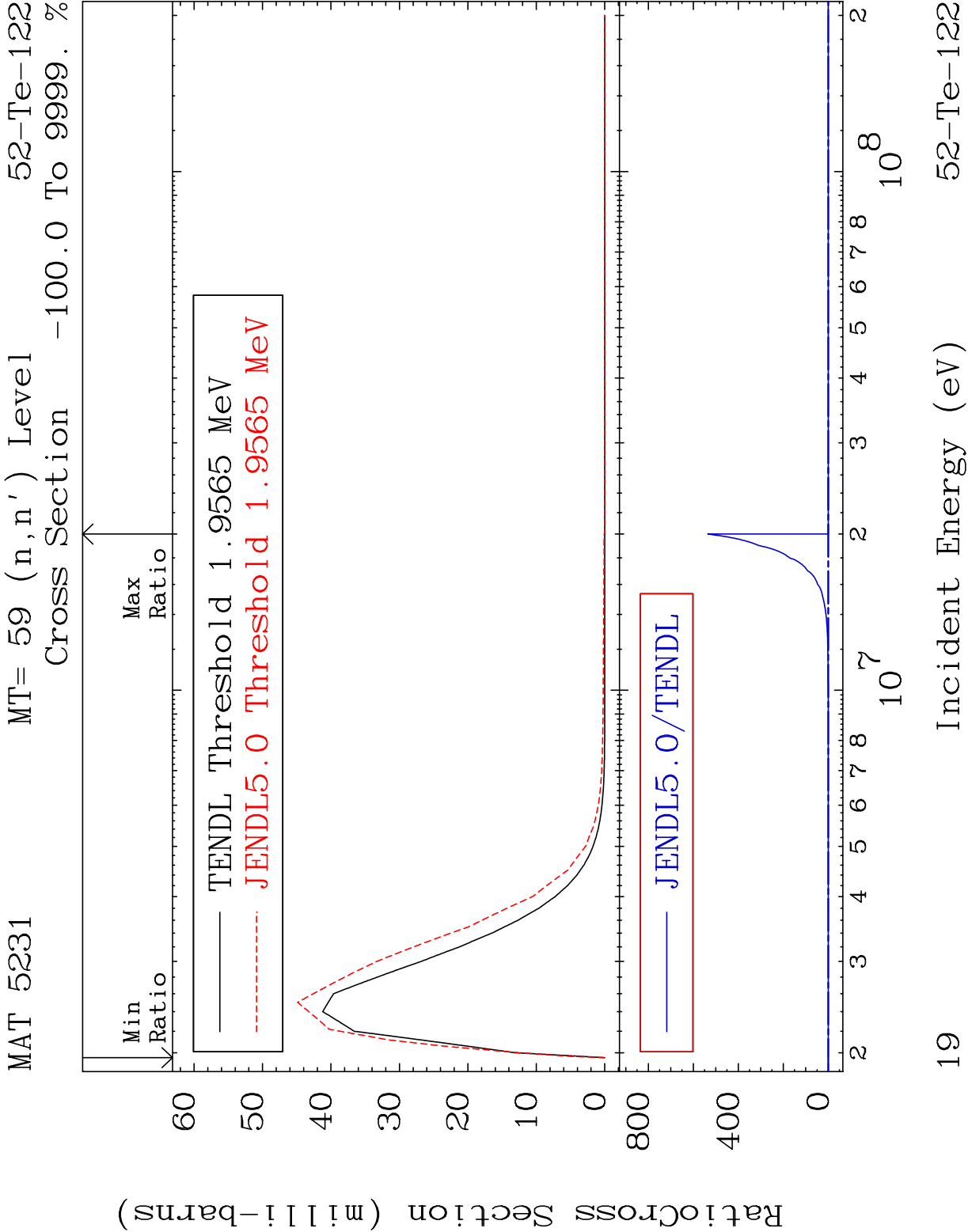


MAT 5231 MT= 56 (n,n') Level 52-Te-122
Cross Section -100.0 To 268.3 %



MAT 5231 MT= 58 (n,n') Level 52-Te-122
Cross Section -100.0 To 39.96 %



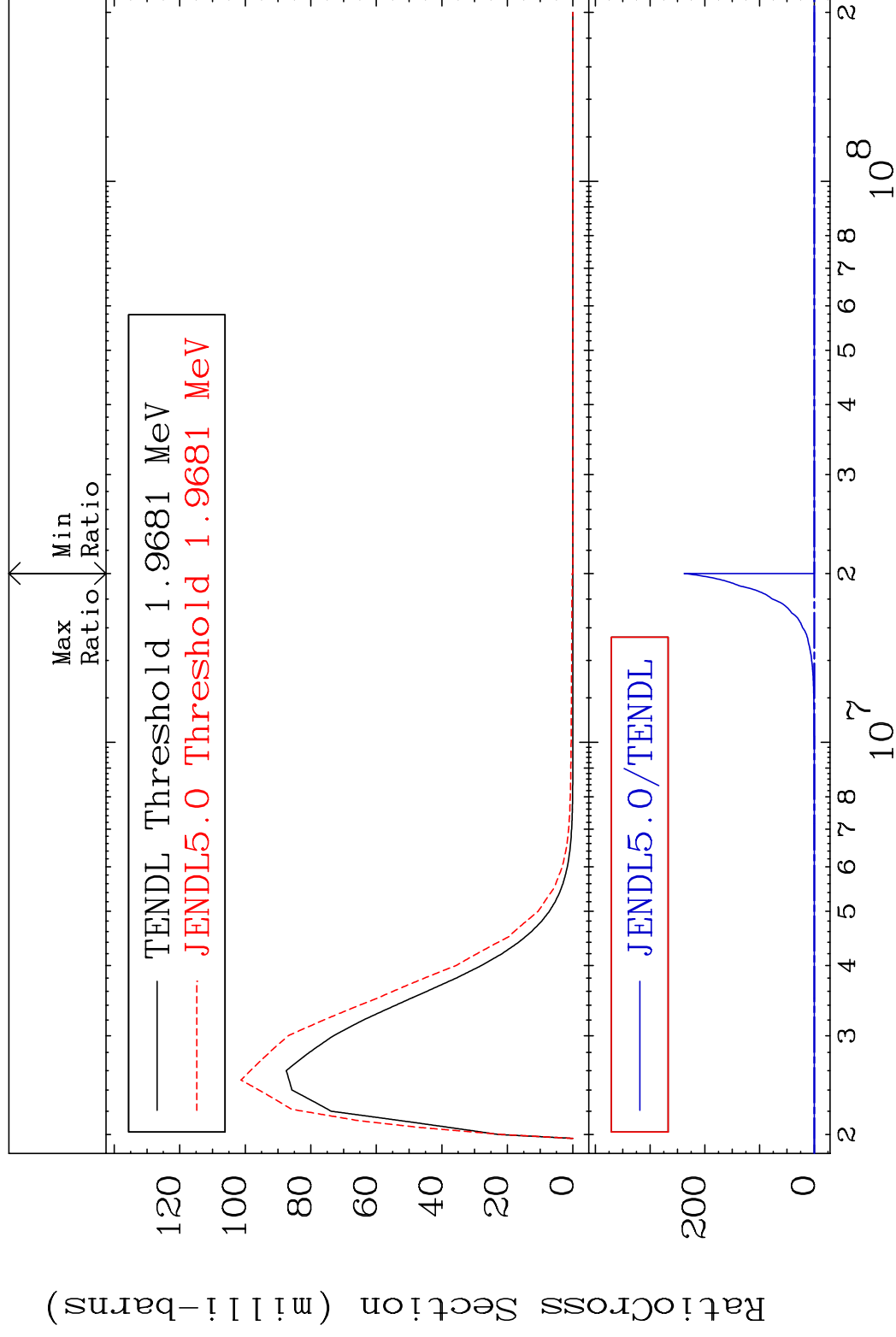


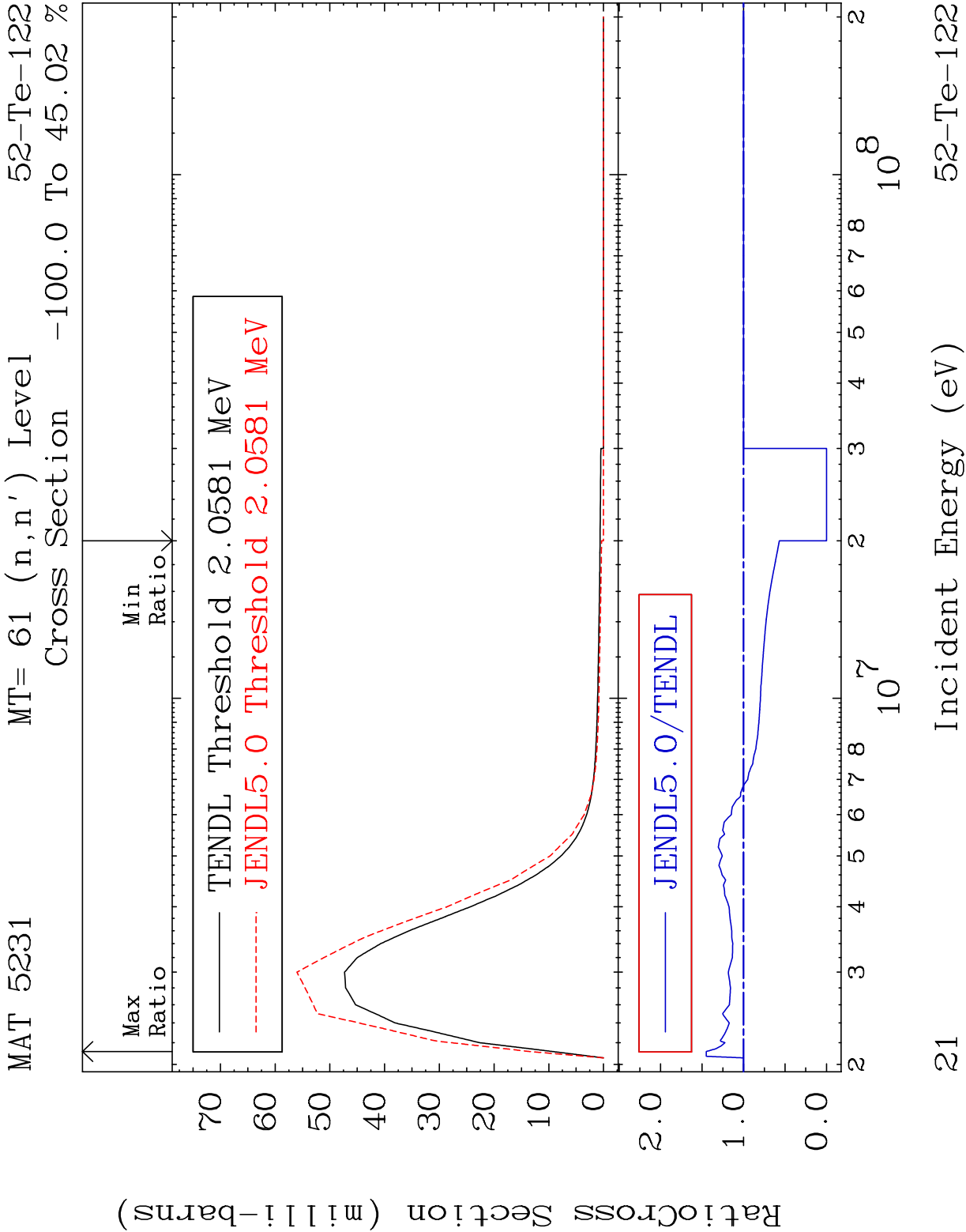
MAT 5231

MT= 60 (n, n') Level

52-Te-122

Cross Section -100.0 To 9999. %





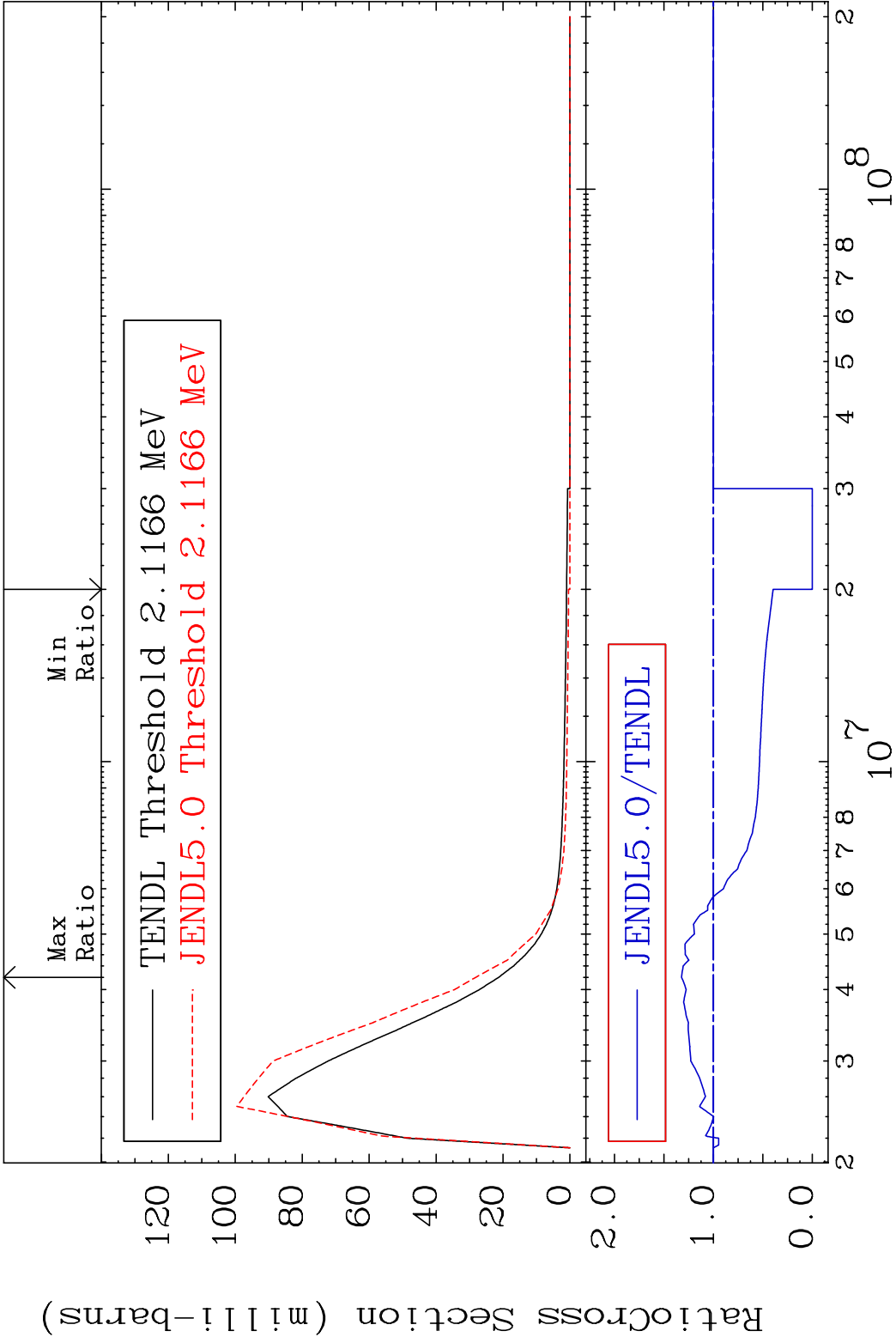
MAT 5231

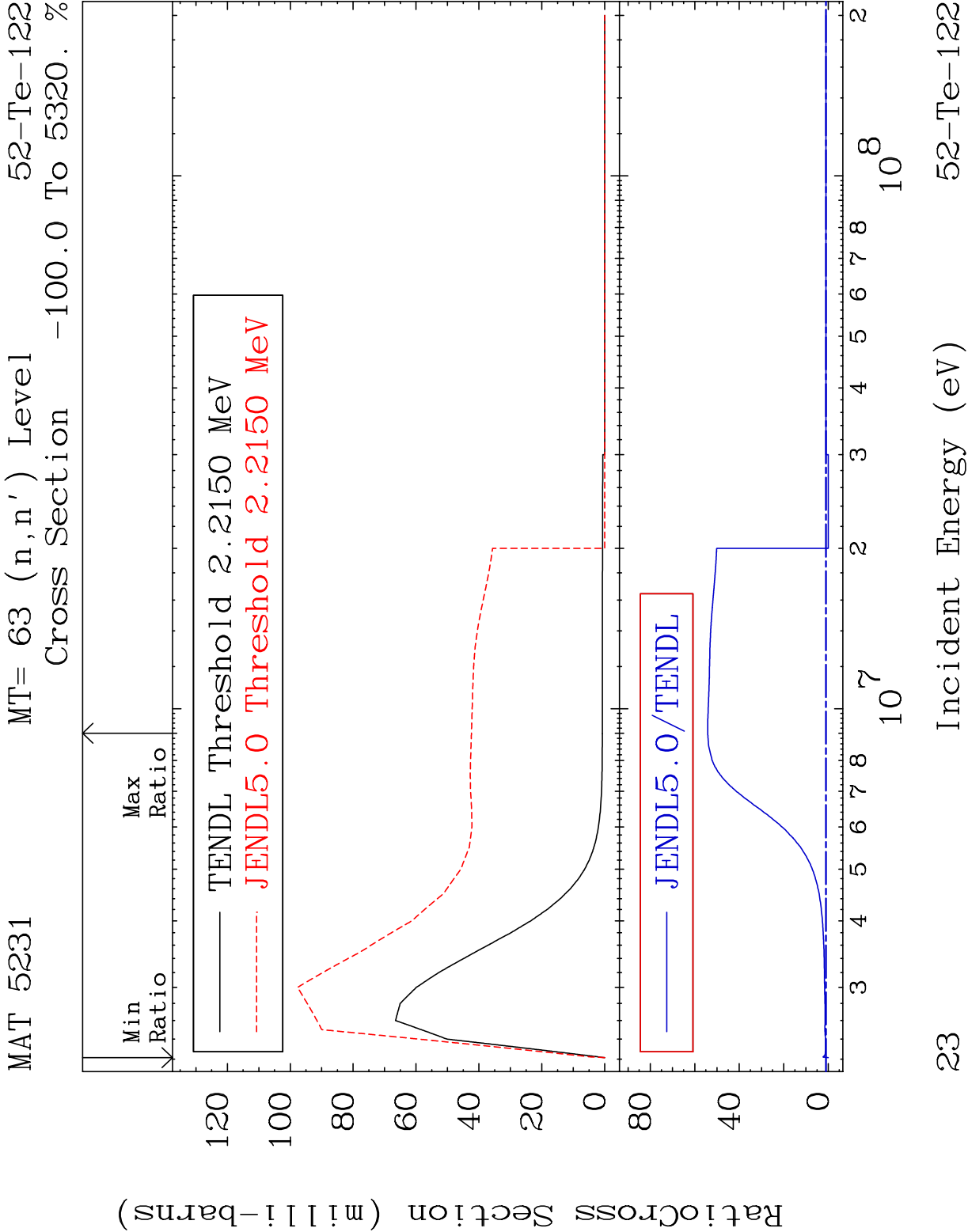
MT= 62 (n,n') Level

52-Te-122

Cross Section

-100.0 To 32.13 %



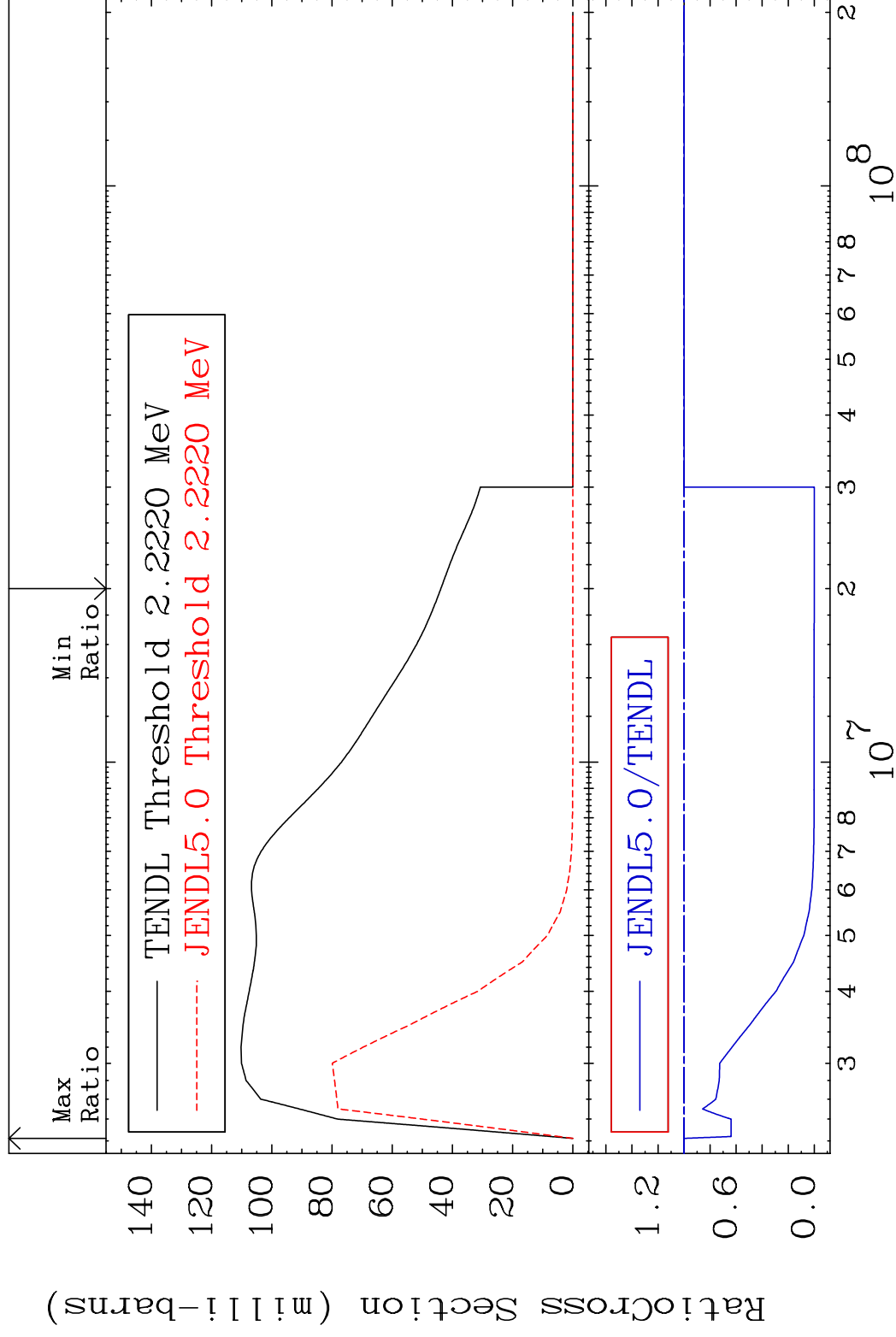


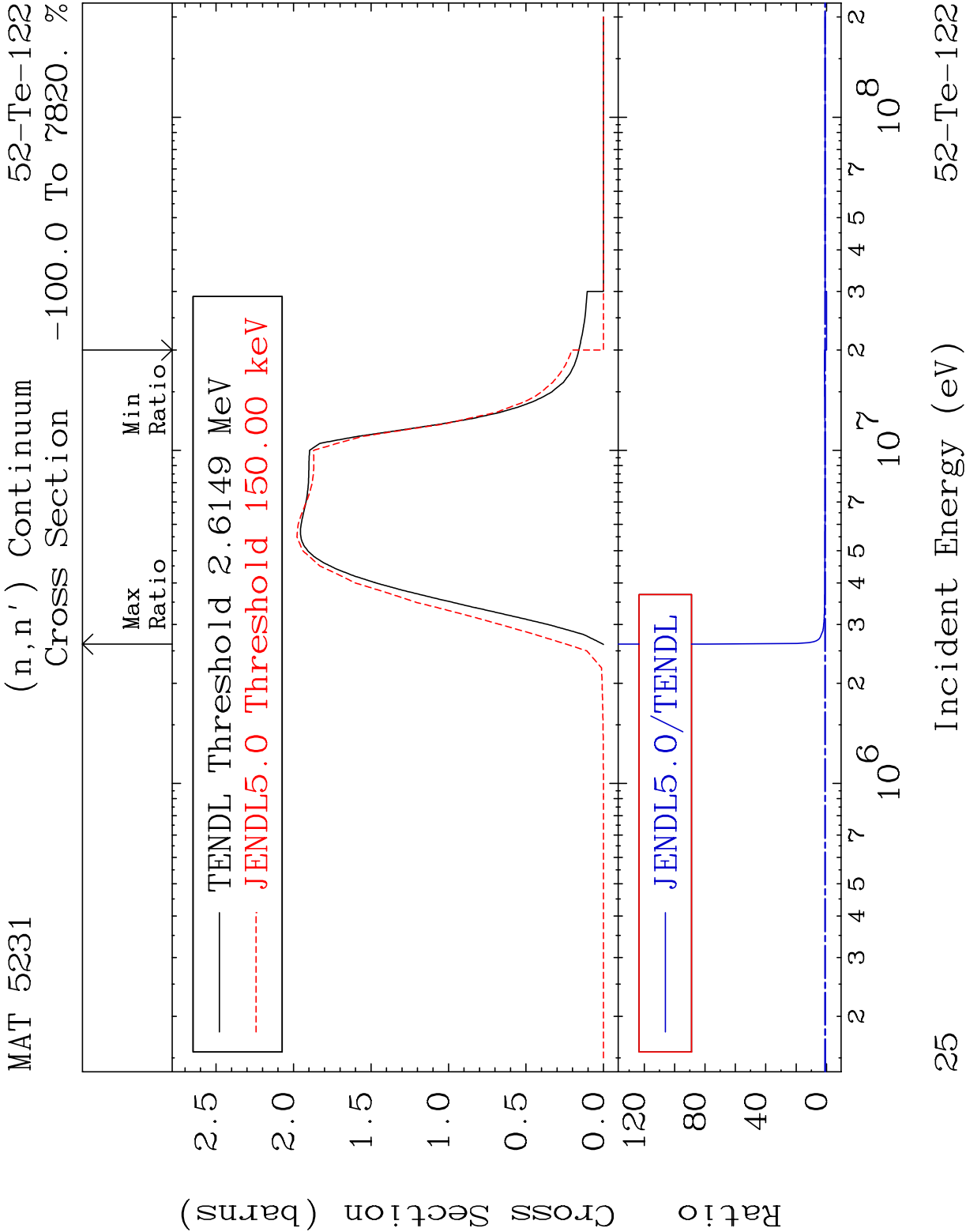
MAT 5231

MT= 64 (n, n') Level

52-Te-122

Cross Section	-100.0 To 0.000 %
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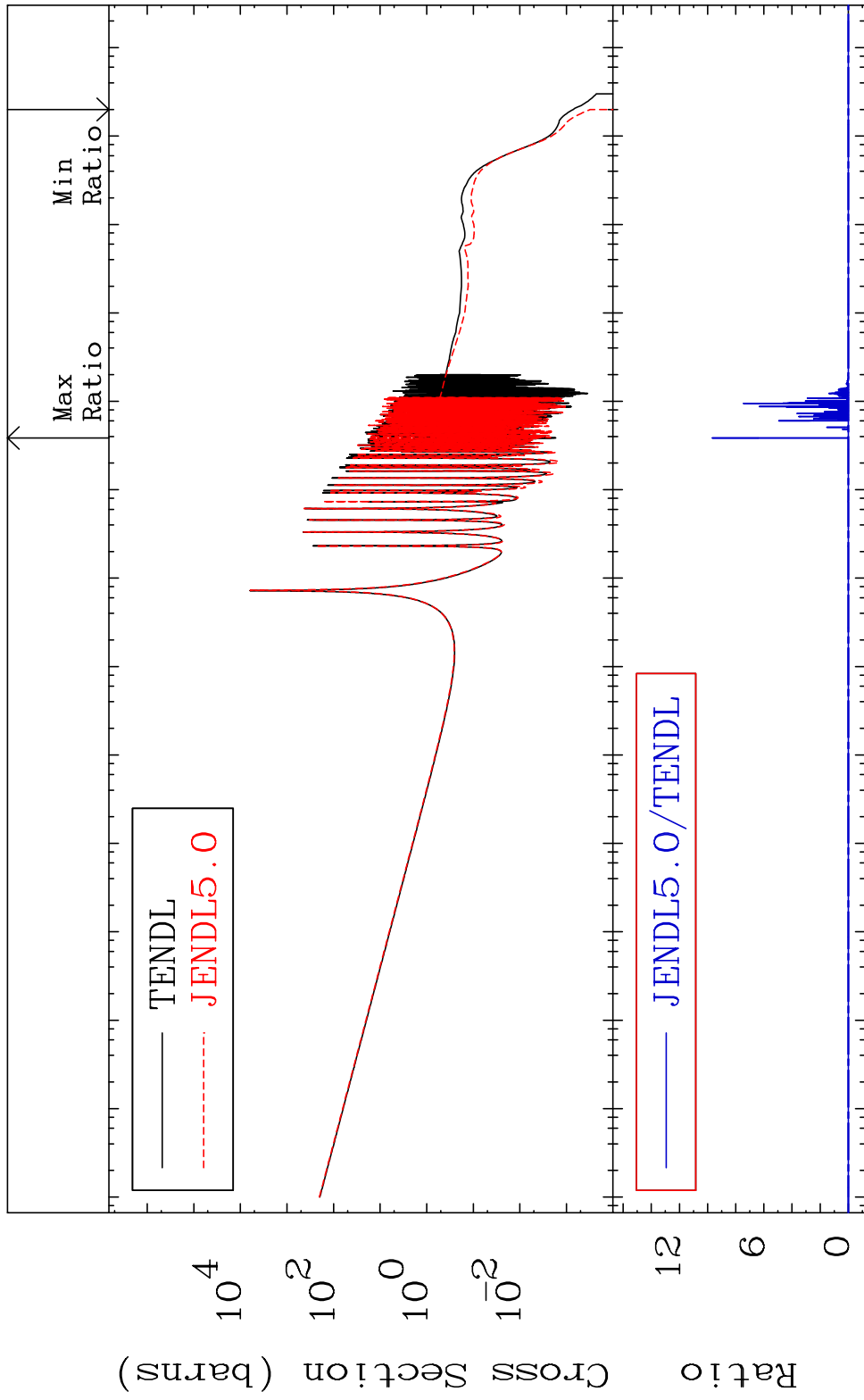


MAT 5231

(n, γ)

52-Te-122

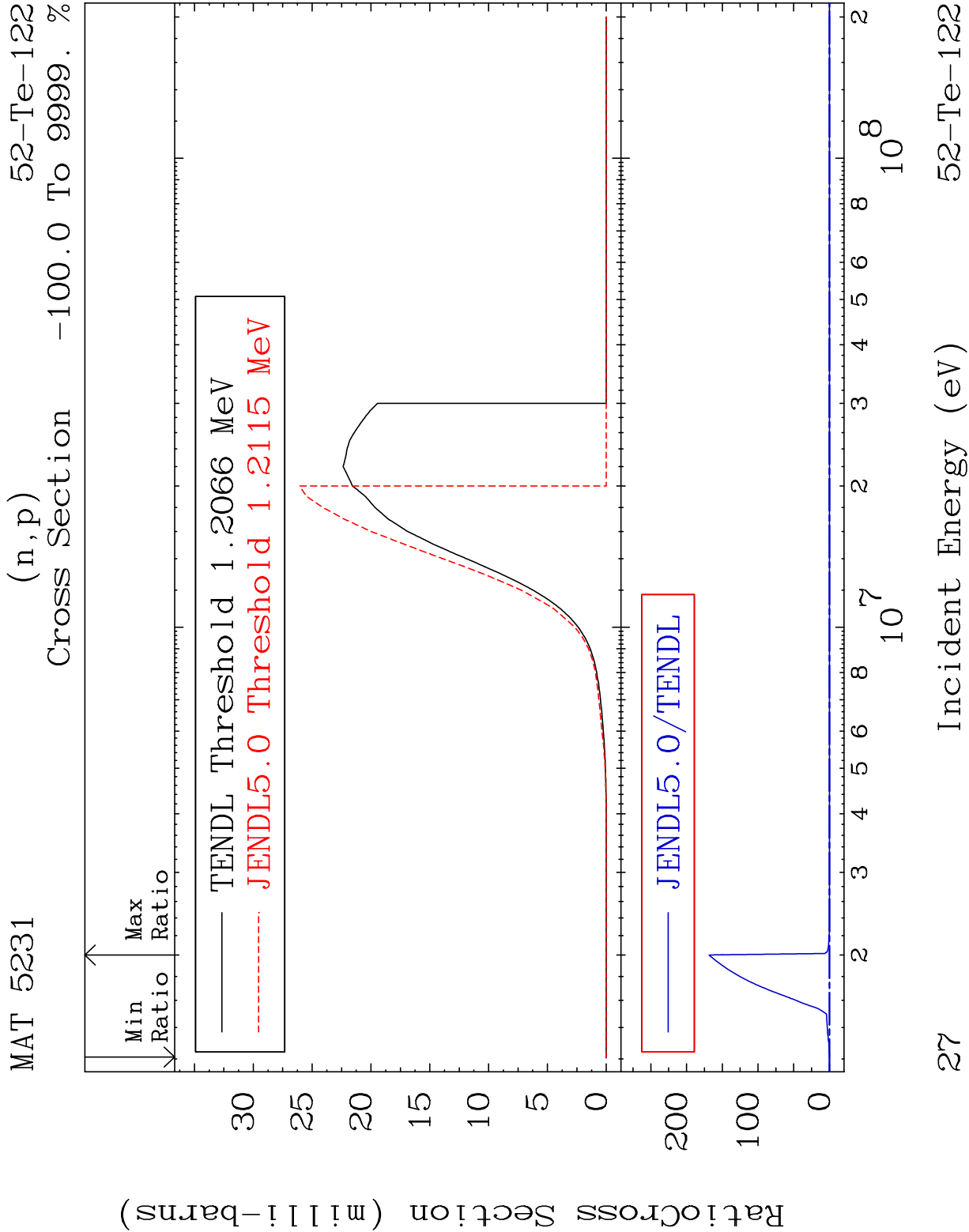
Cross Section -100.0 To 9999. %

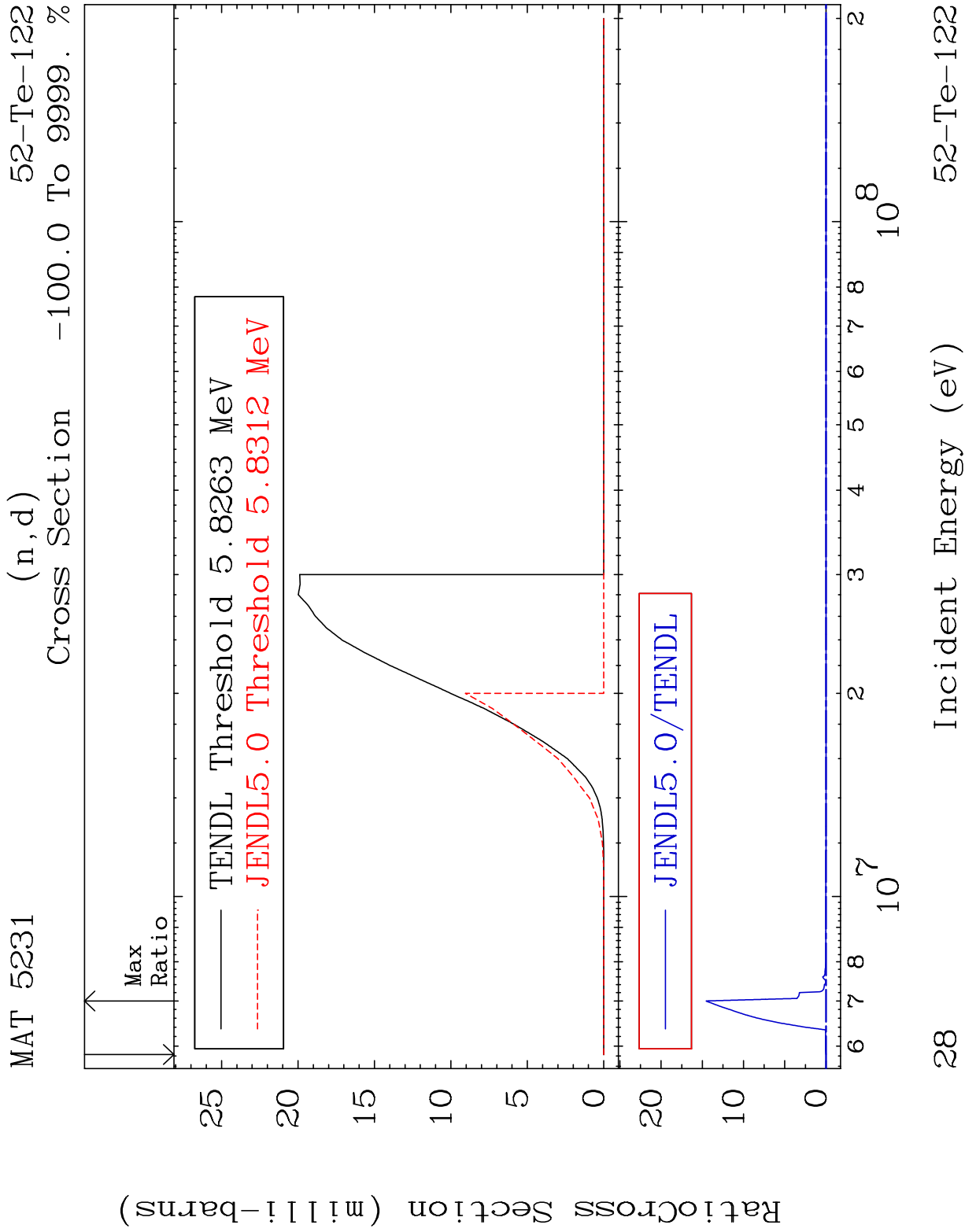


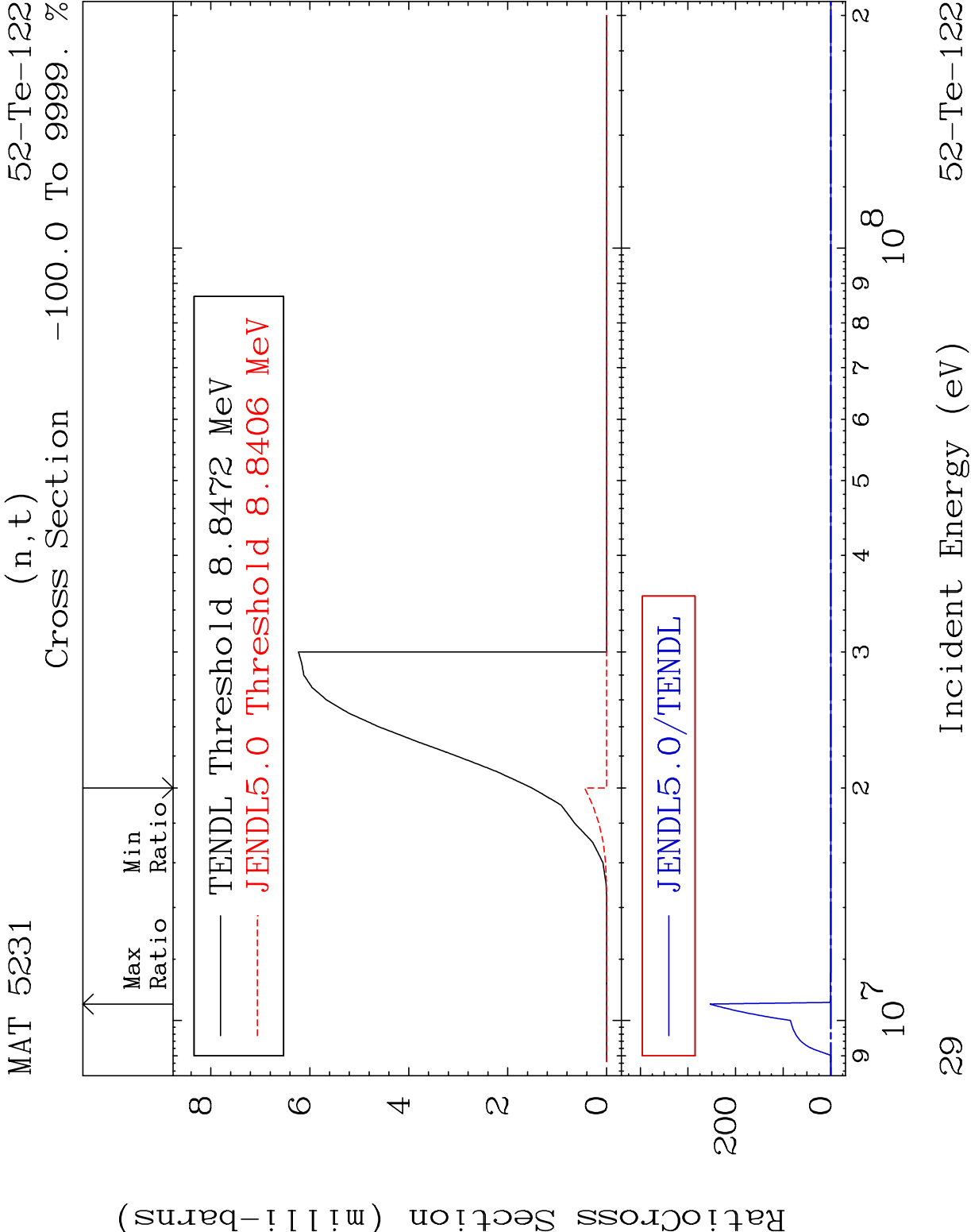
26

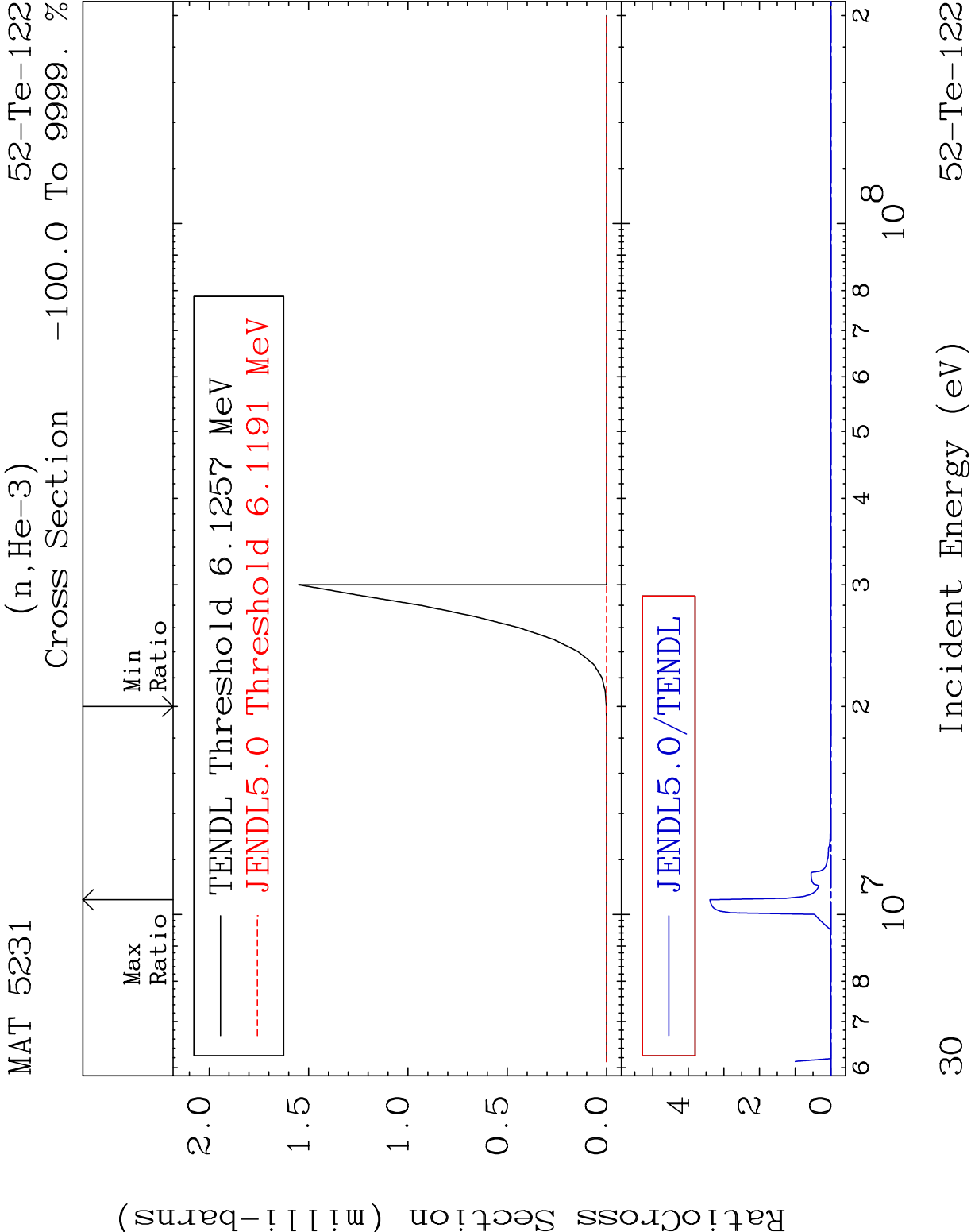
Incident Energy (eV)

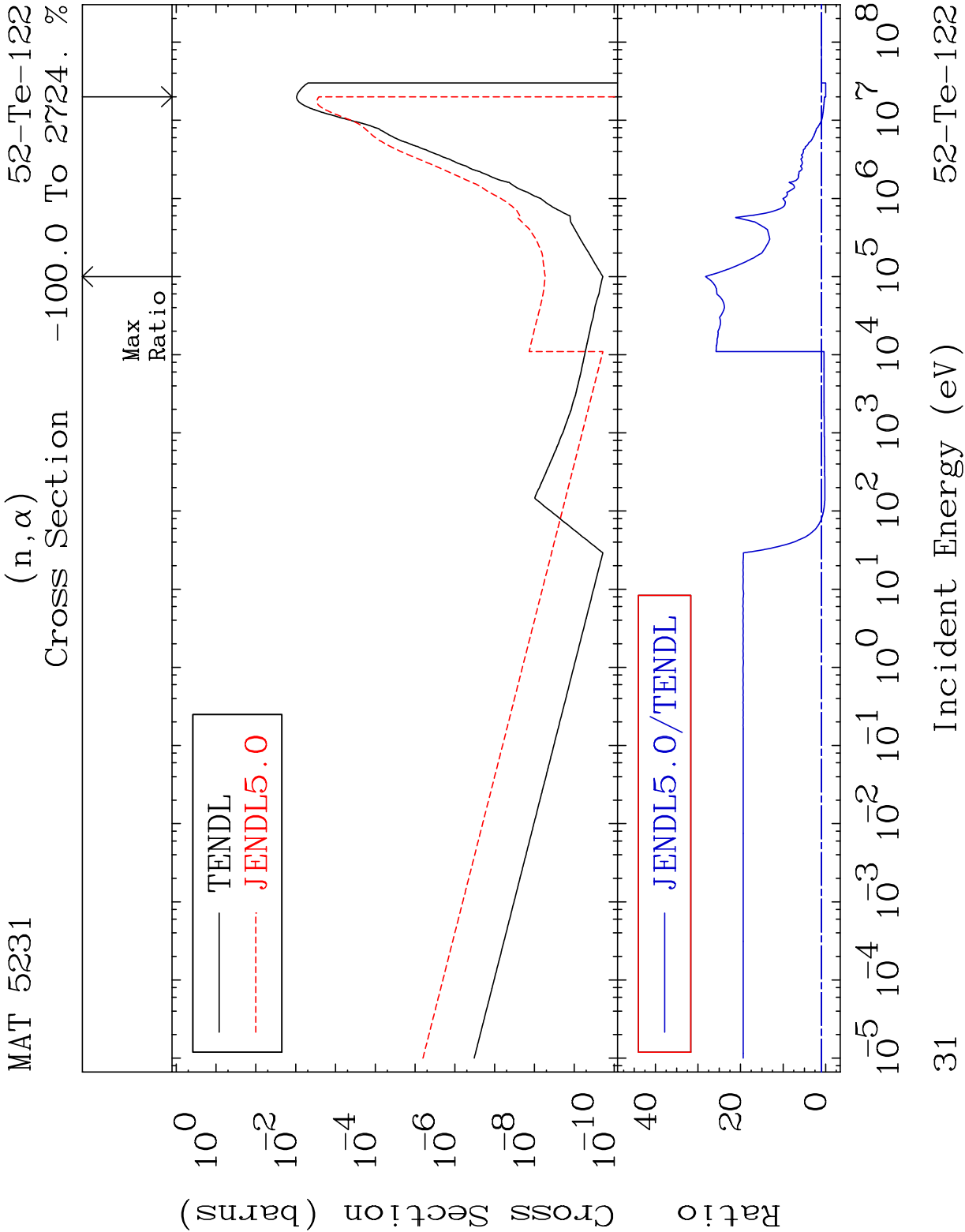
52-Te-122



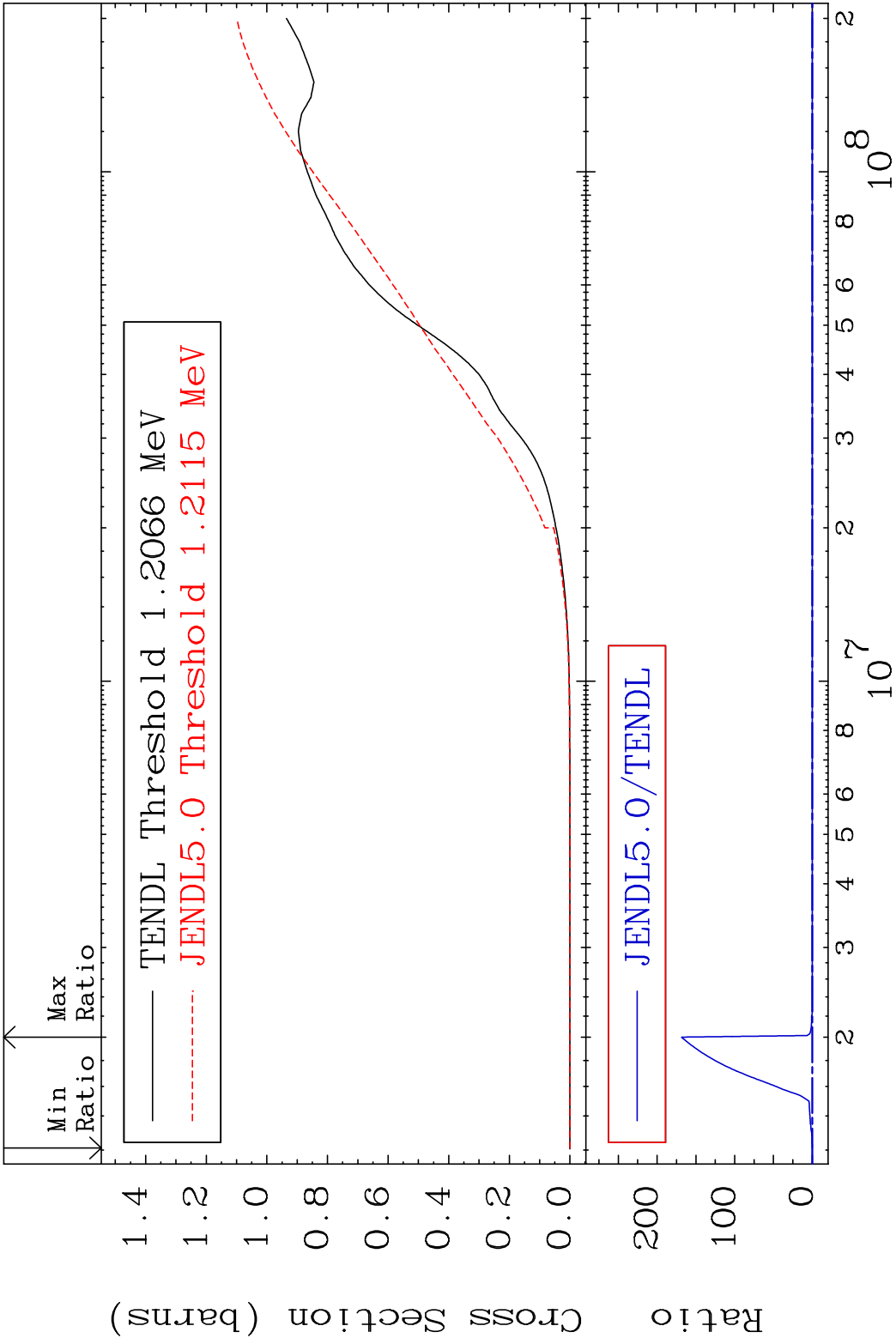




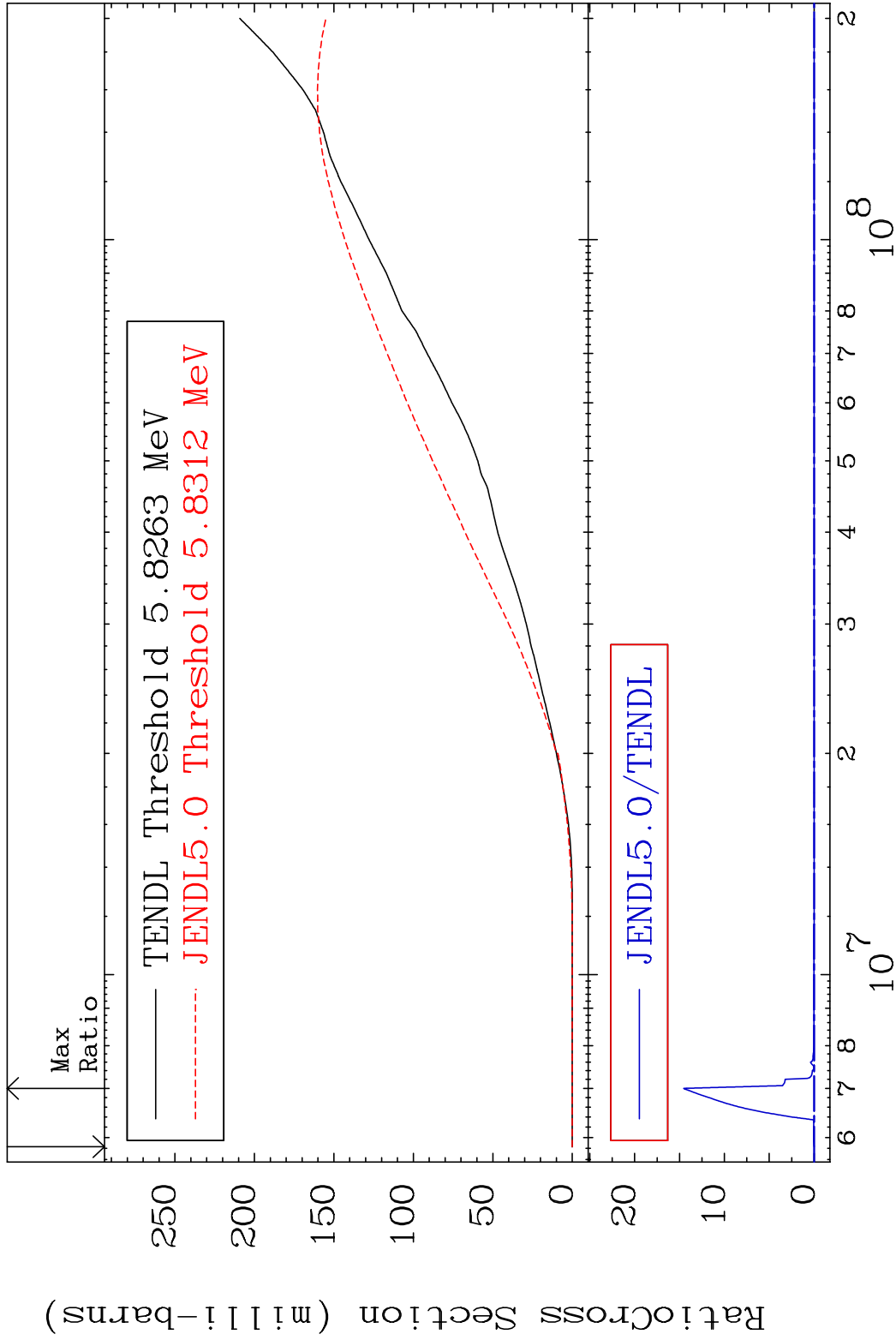




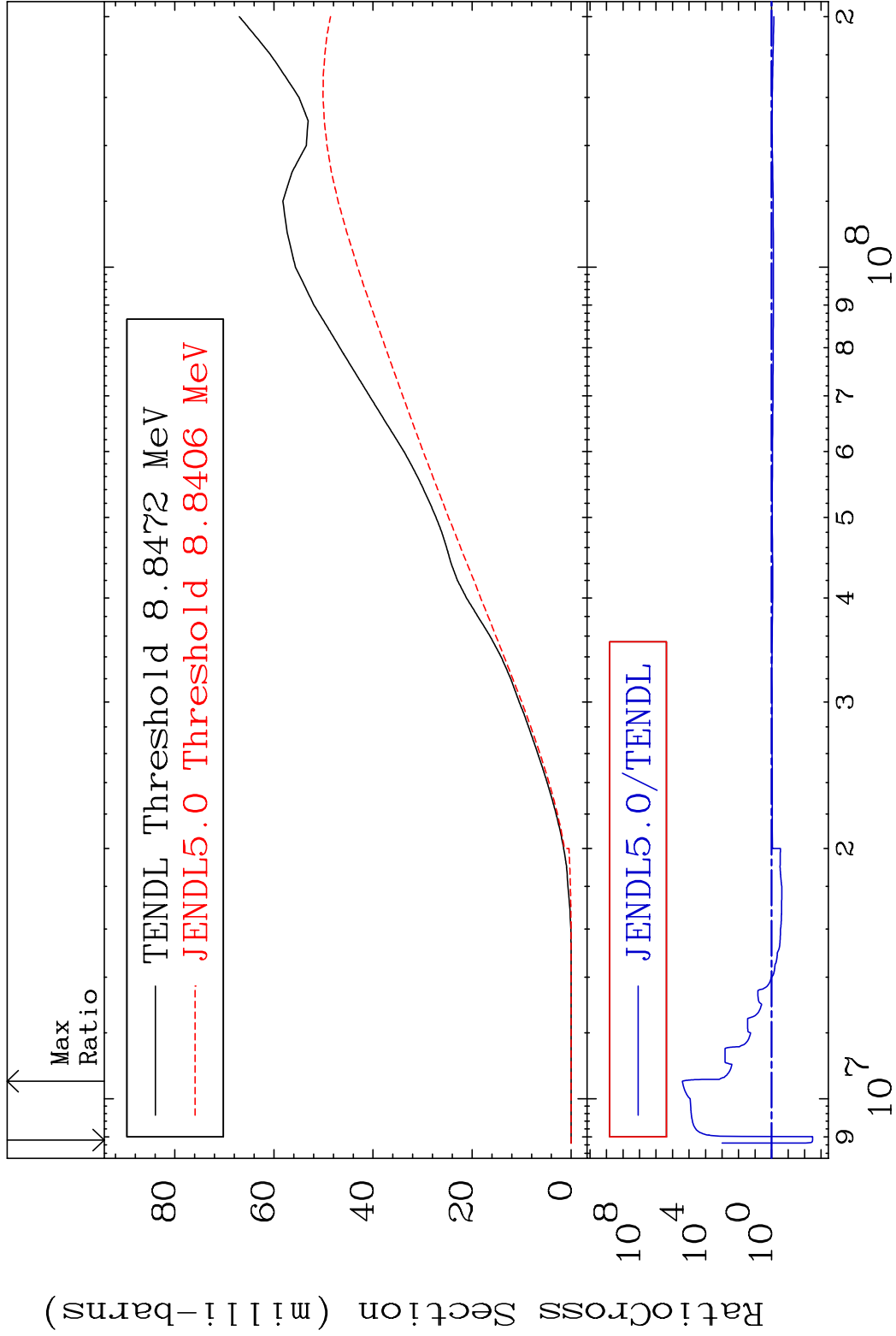
MAT 5231	Hydrogen Production	52-Te-122
	Cross Section	-100.0 To 9999. %



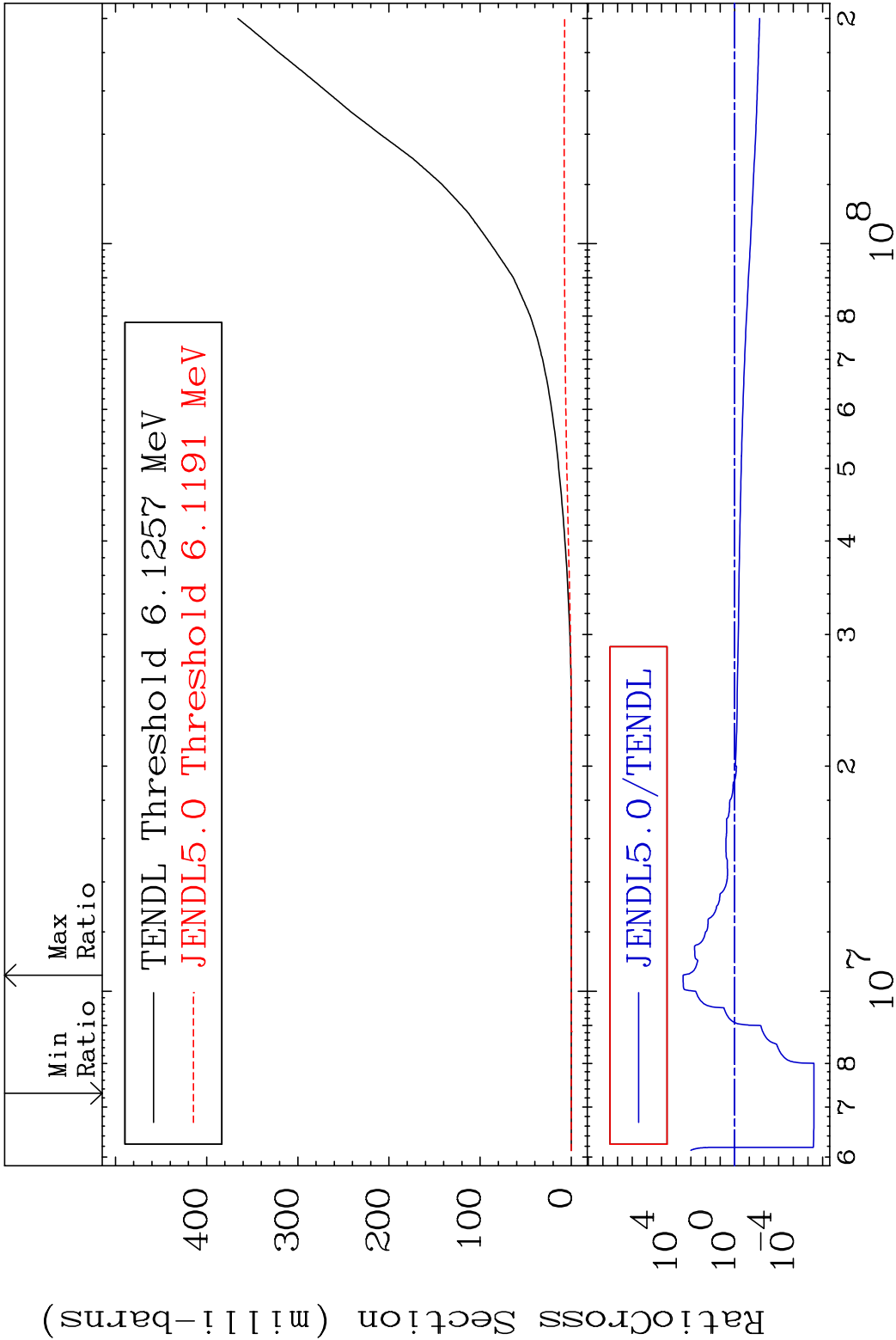
MAT 5231 Deuterium Production 52-Te-122
Cross Section -100.0 To 9999. %

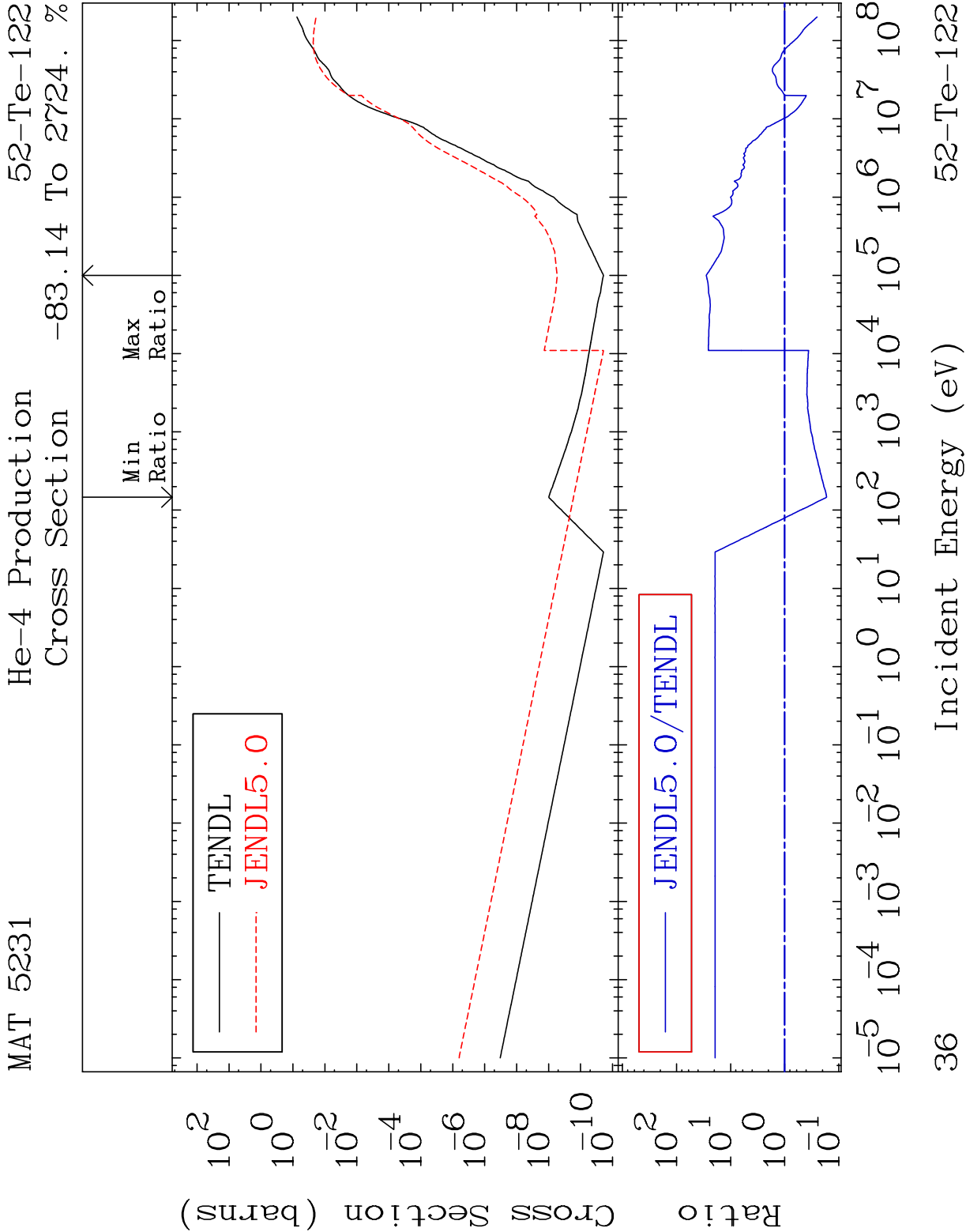


MAT 5231 Tritium Production 52-Te-122
Cross Section -99.67 To 9999. %



34 Incident Energy (eV) 52-Te-122



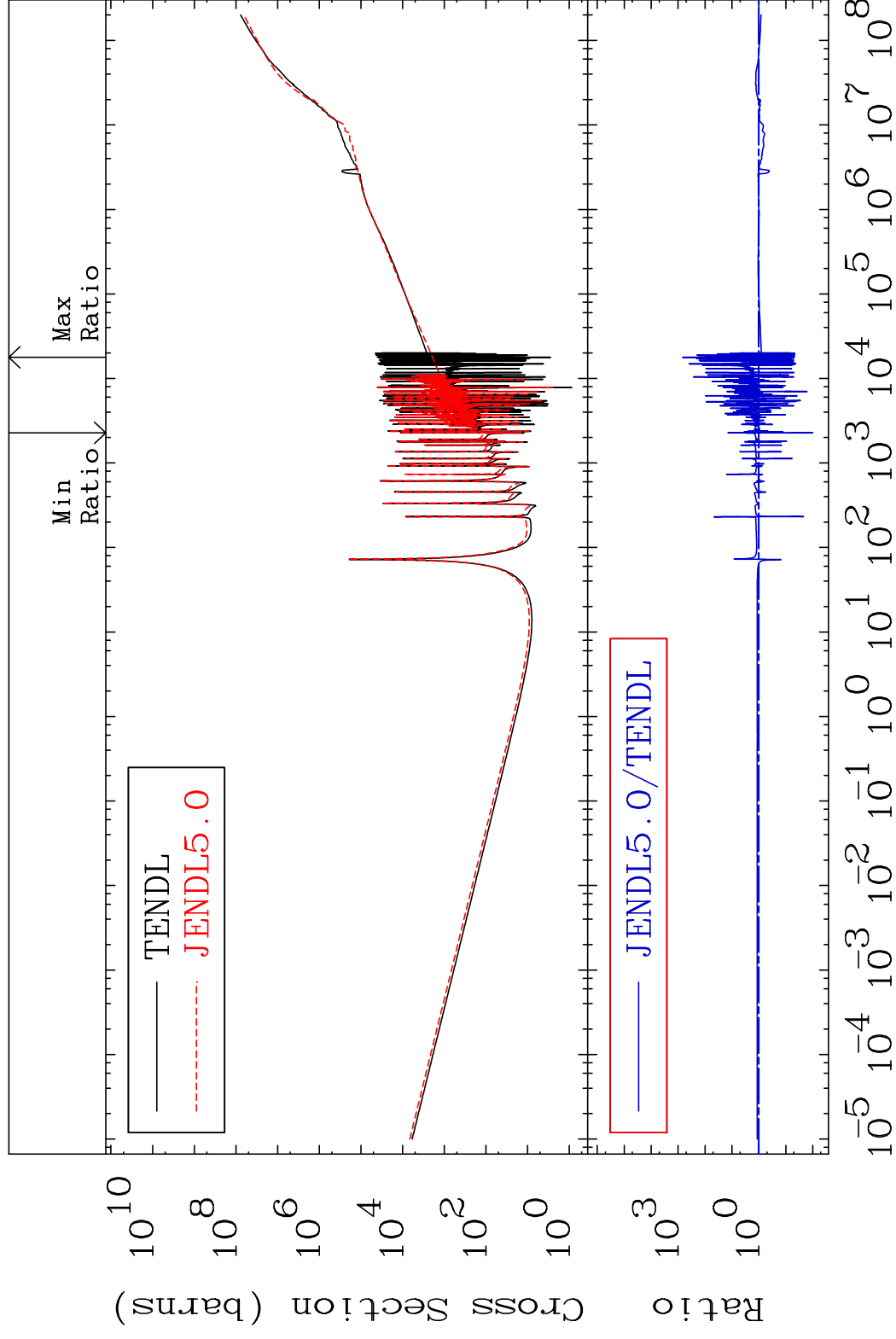


MAT 5231

Kerma total (eV-barns)

52-Te-122

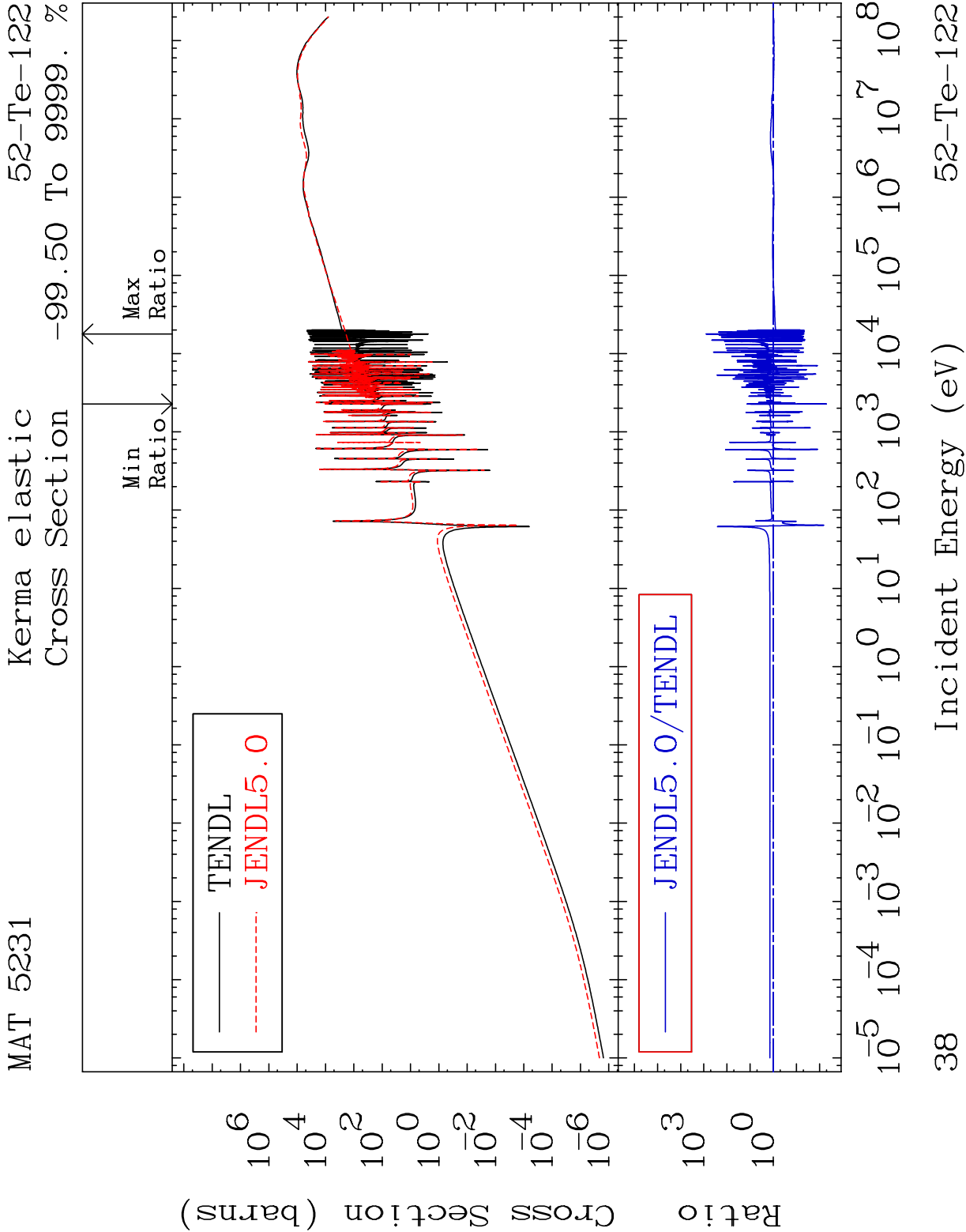
Cross Section -99.00 To 9999. %



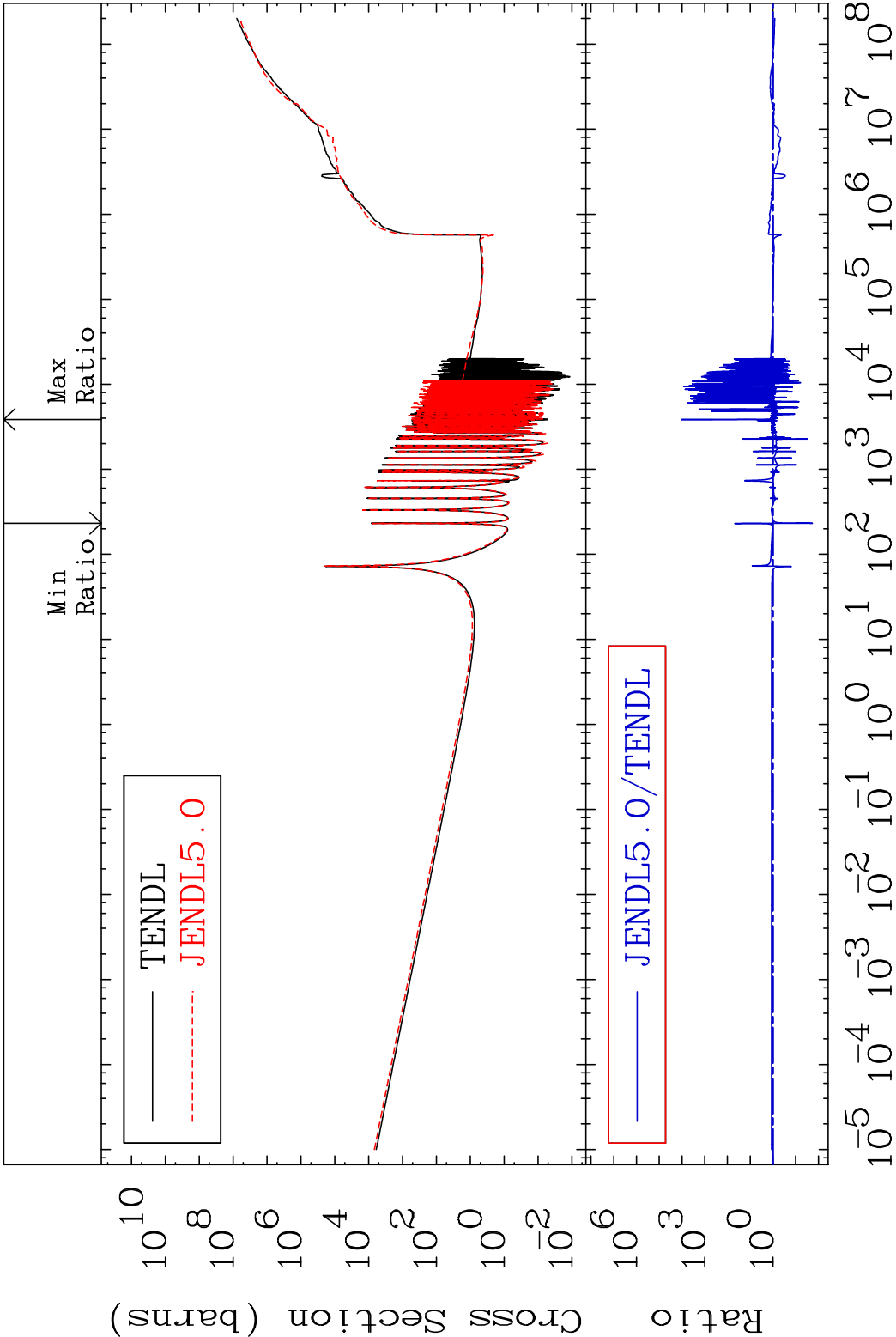
23

Incident Energy (eV)

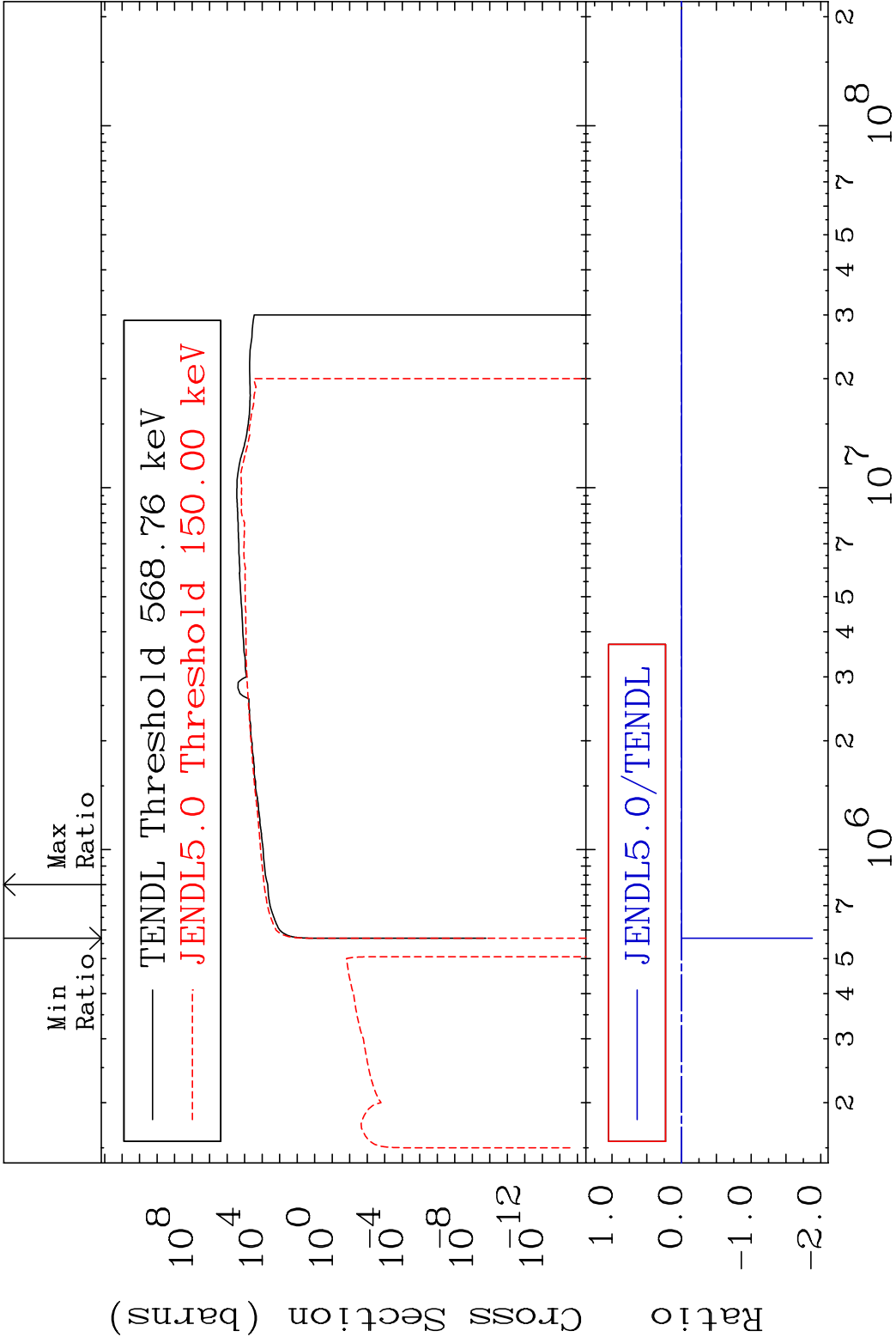
52-Te-122



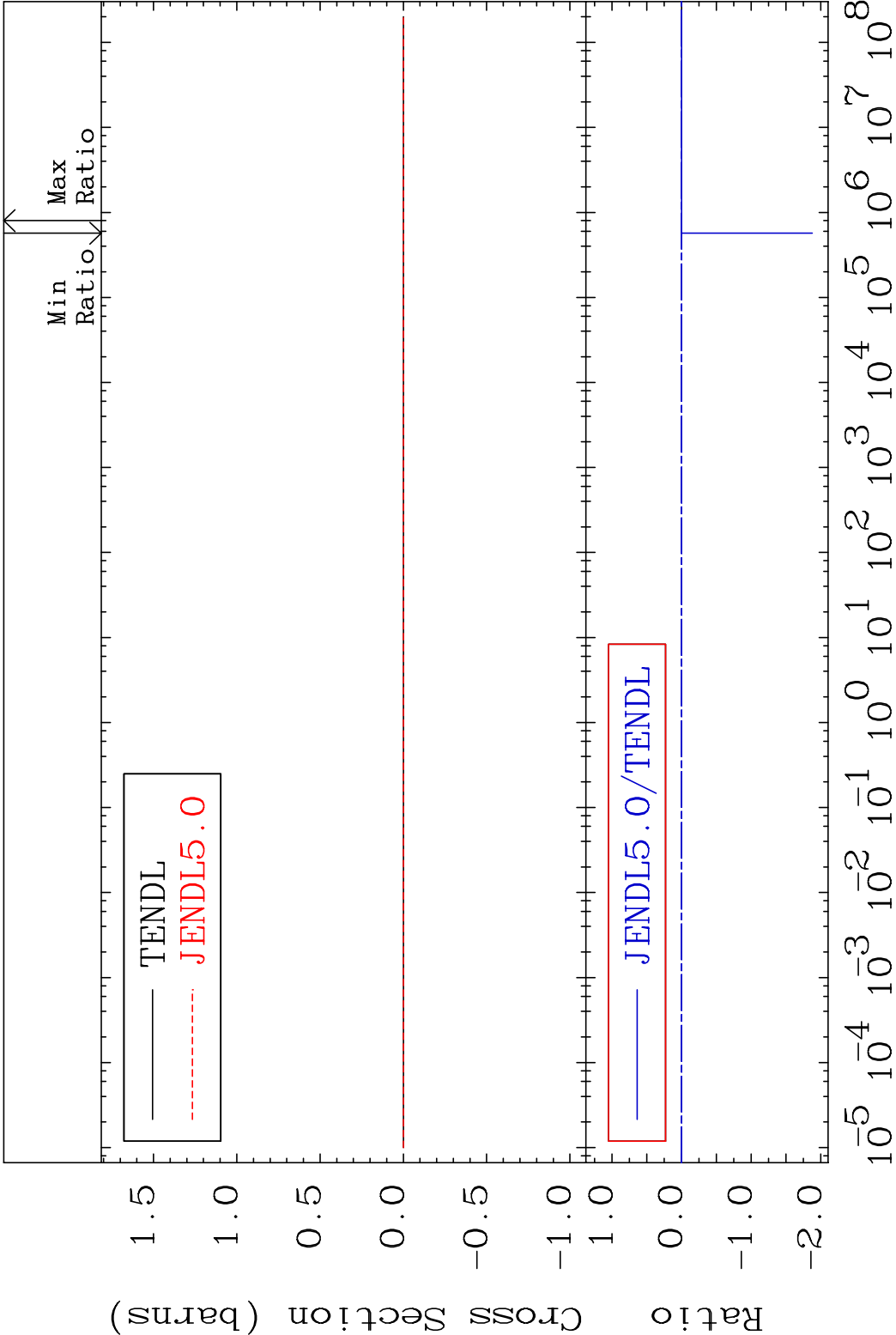
MAT 5231 Kerma non-elastic (all but mt2) 52-Te-122
Cross Section -98.13 To 9999. %

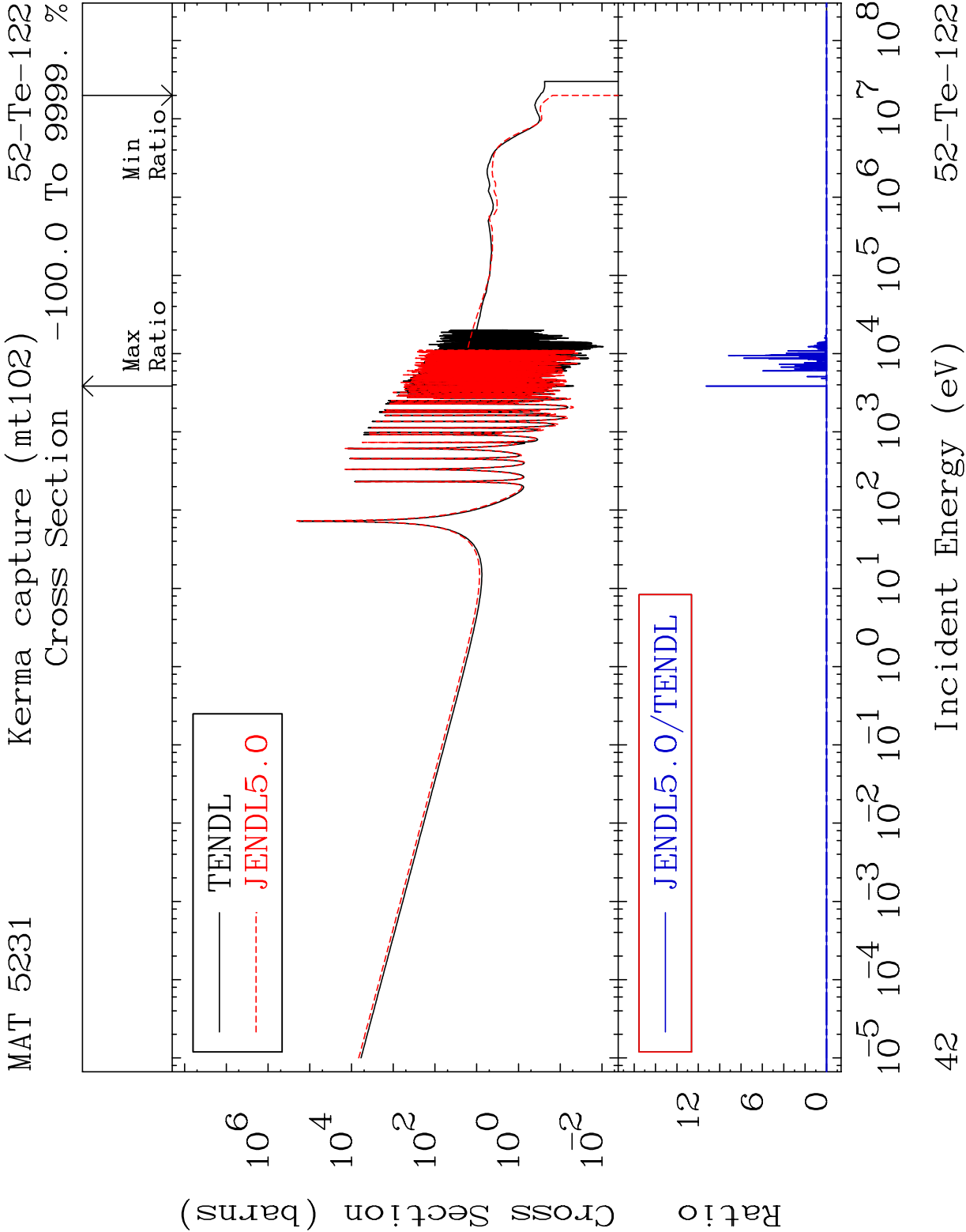


MAT 5231 Kerma inelastic (mt51-91) 52-Te-122
Cross Section -9999. To 60.26 %

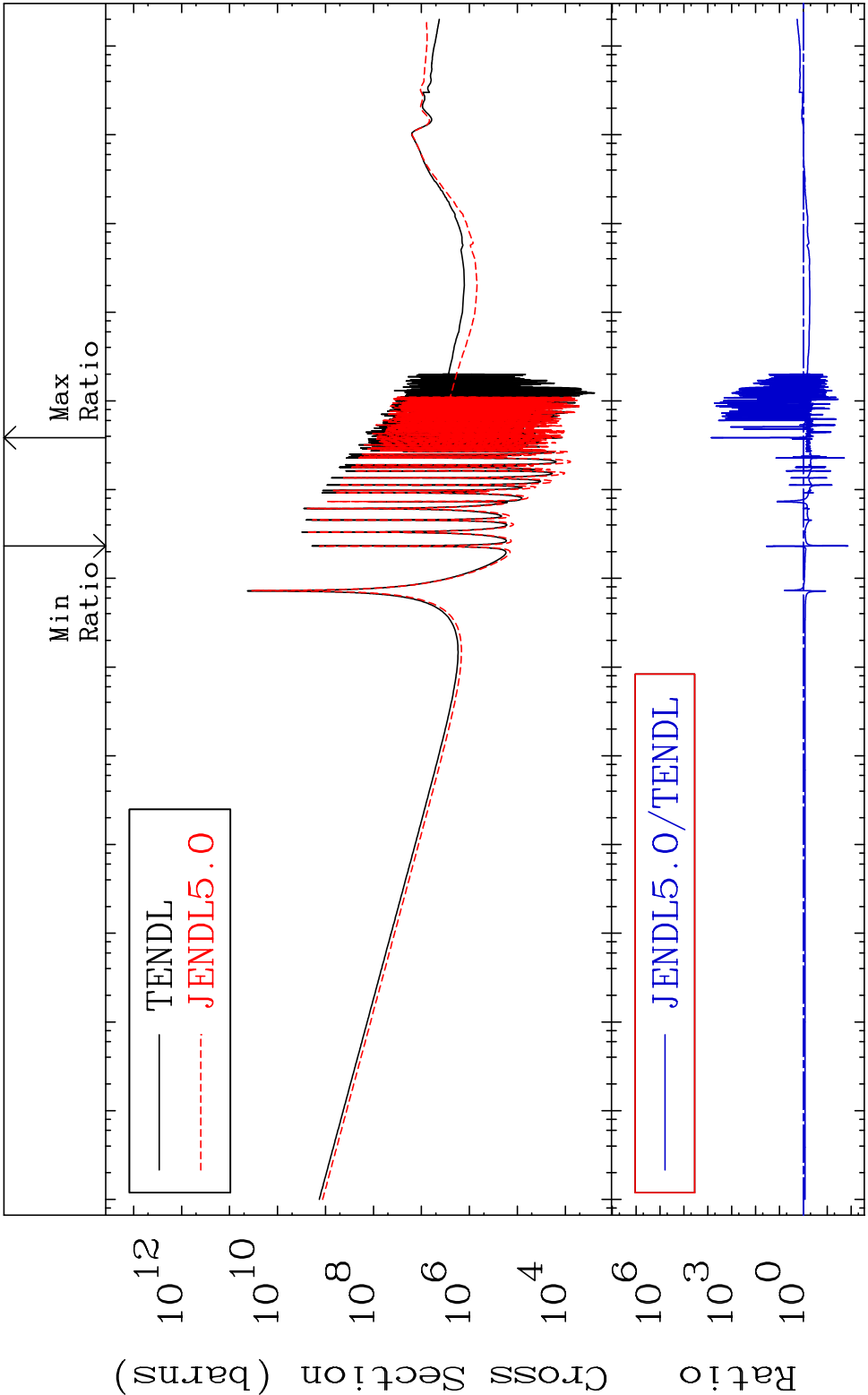


MAT 5231 Kerma fission (mt18 or mt19-20-21-38)52-Te-122
Cross Section -9999. To 60.26 %



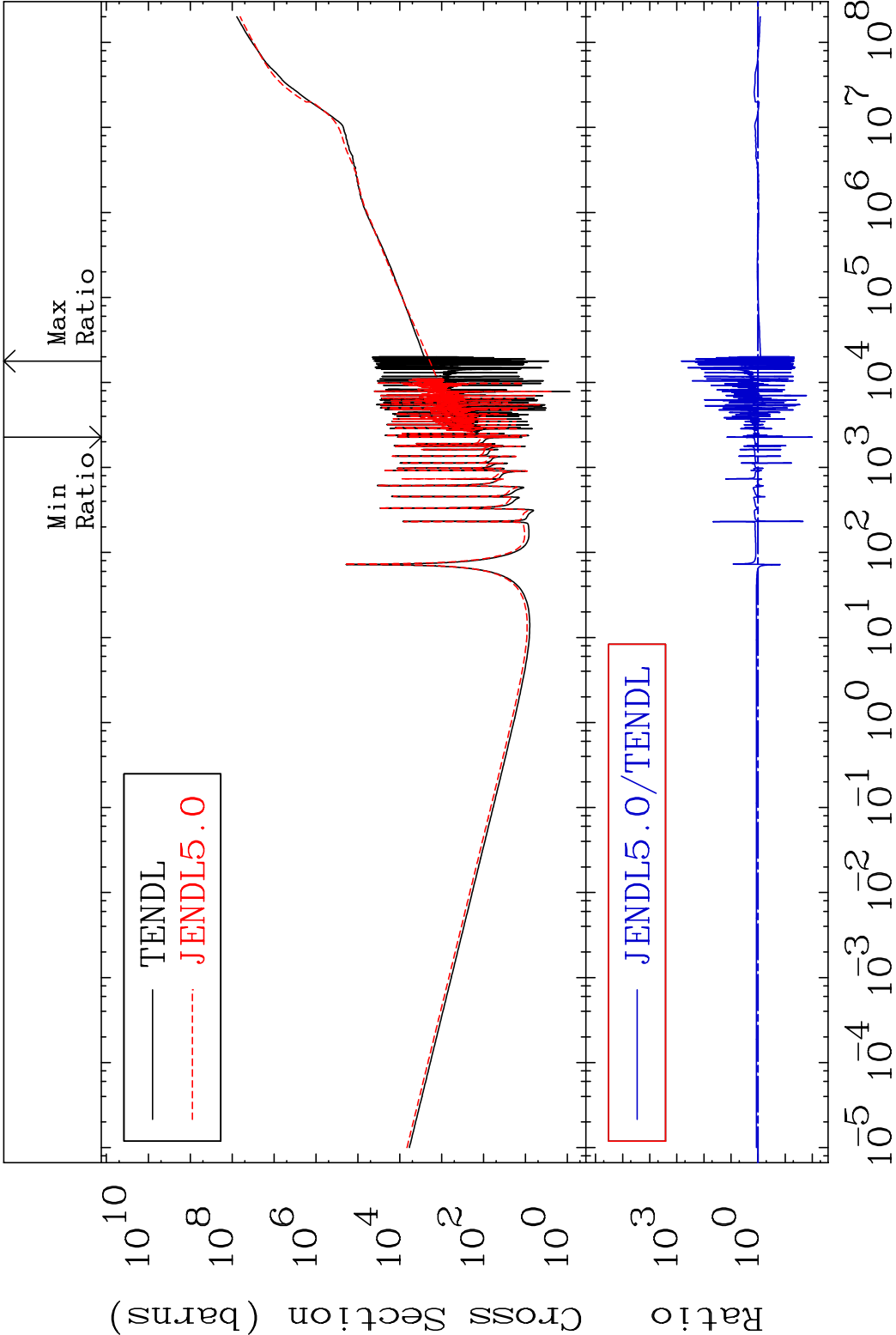


MAT 5231 Total photon (eV-barns) 52-Te-122
Cross Section -98.61 To 9999. %



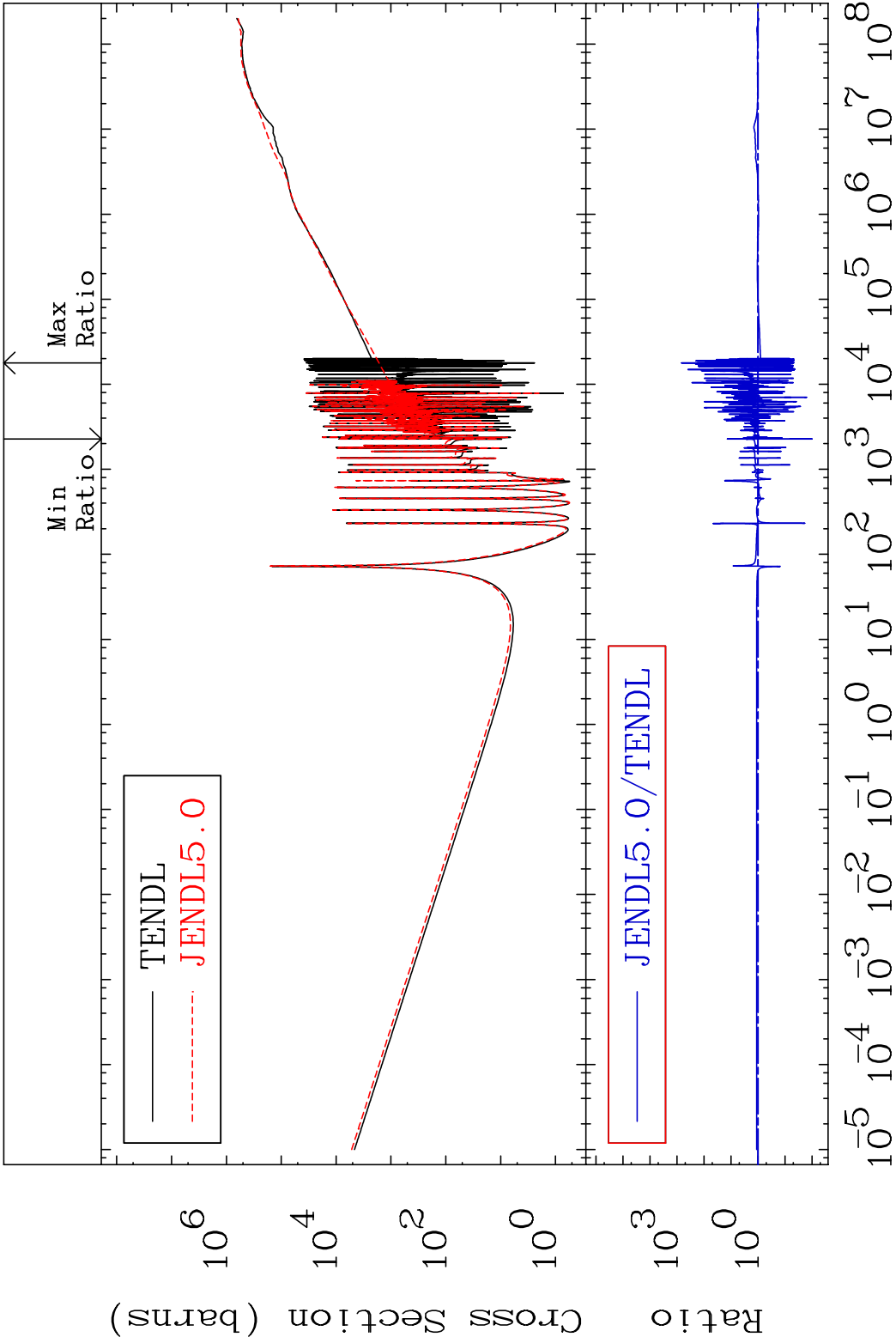
43 Incident Energy (eV) 52-Te-122

MAT 5231 Total kinematic kerma (high limit) 52-Te-122
Cross Section -99.00 To 9999. %



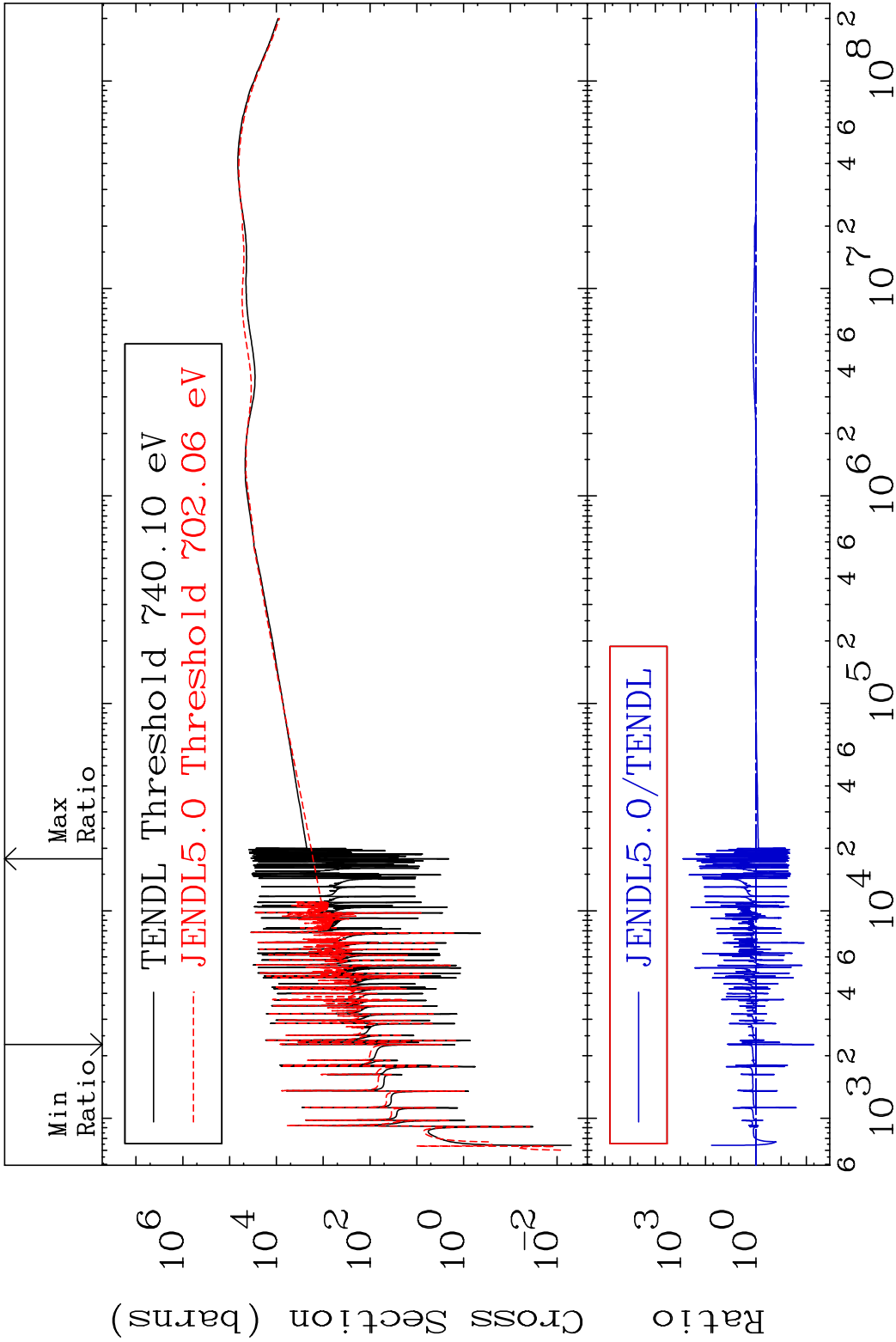
44 Incident Energy (eV) 52-Te-122

MAT 5231 Dpa total (eV-barns) 52-Te-122
Cross Section -99.01 To 9999. %



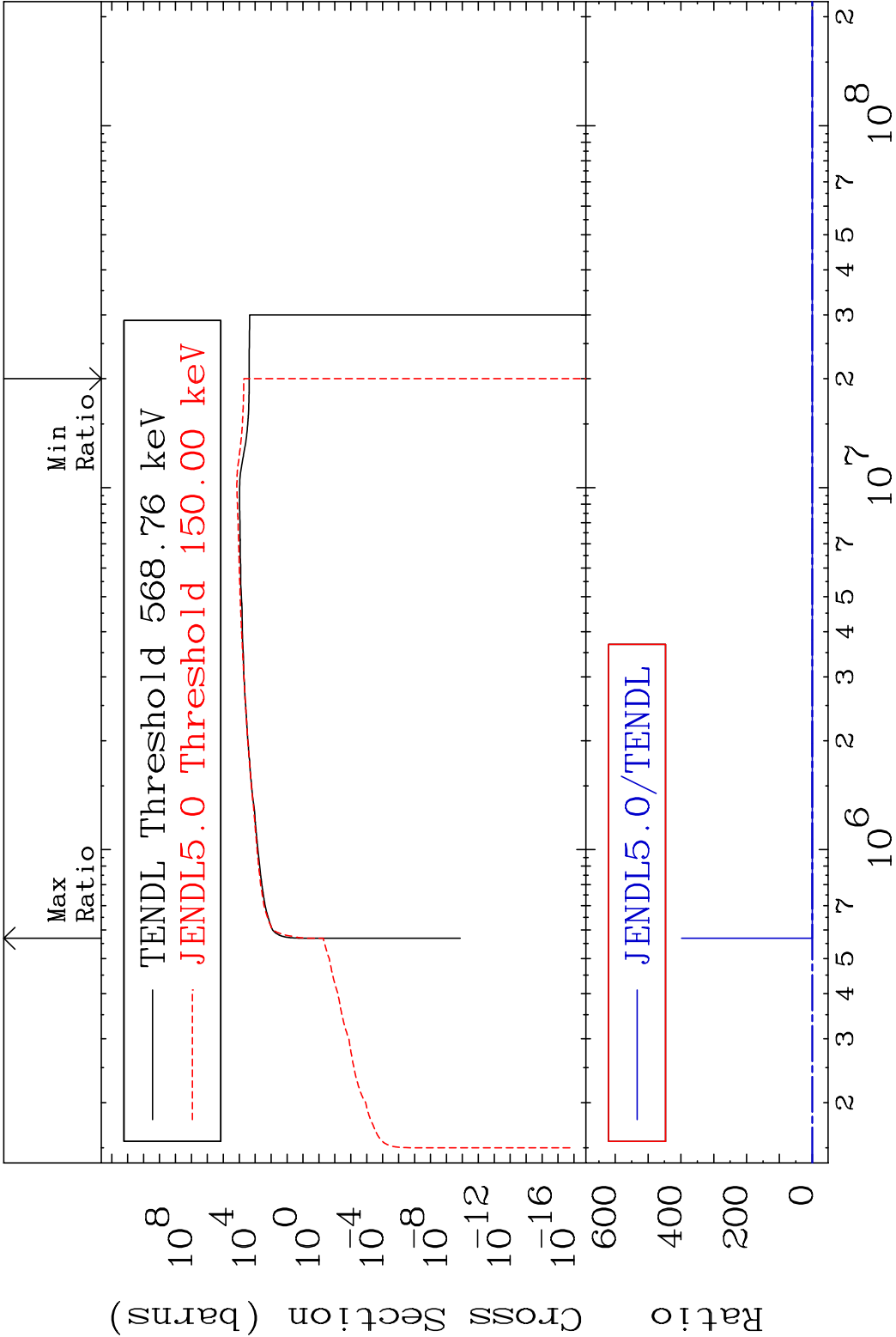
45 Incident Energy (eV) 52-Te-122

MAT 5231 Dpa elastic (mt2) 52-Te-122
Cross Section -99.50 To 9999. %

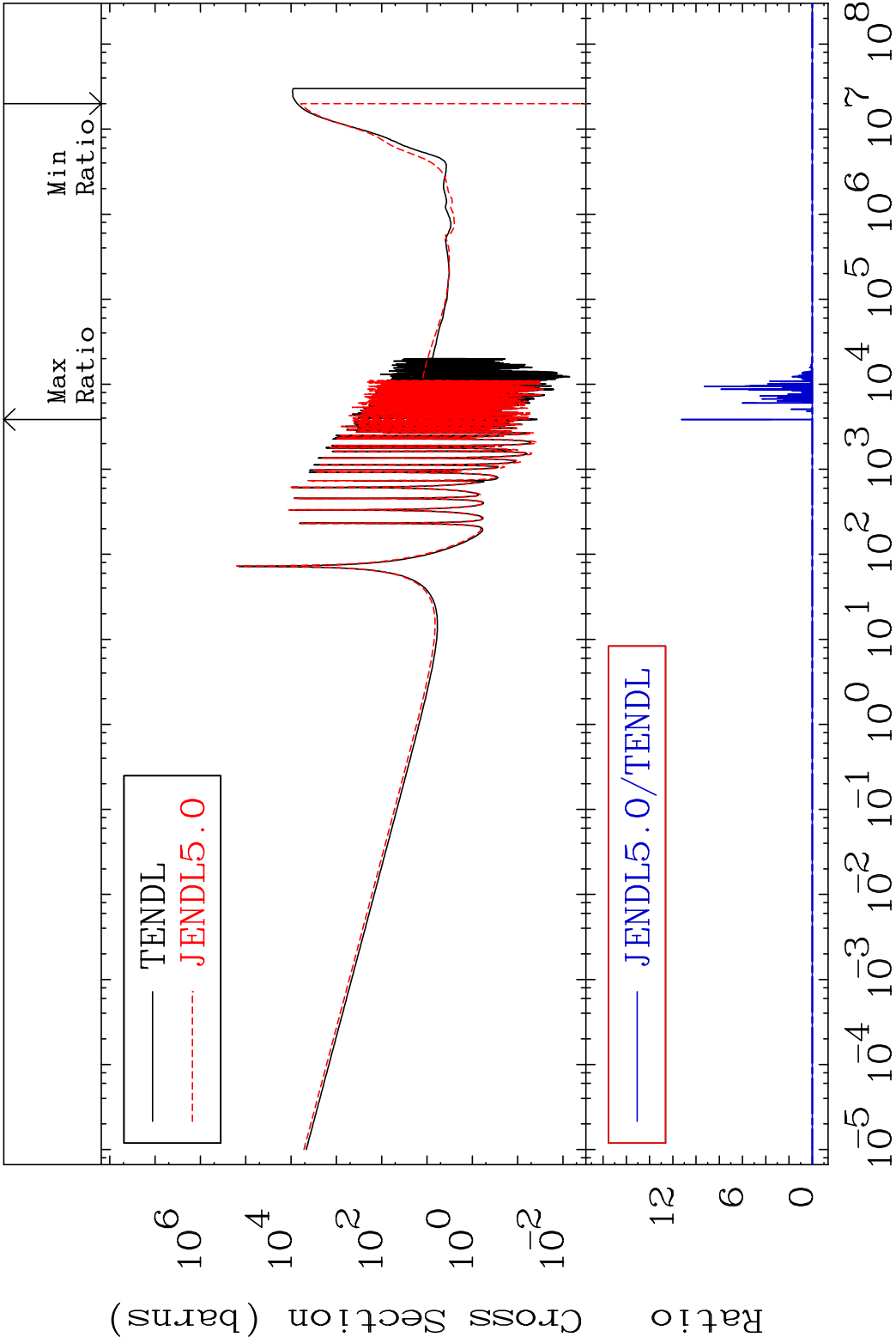


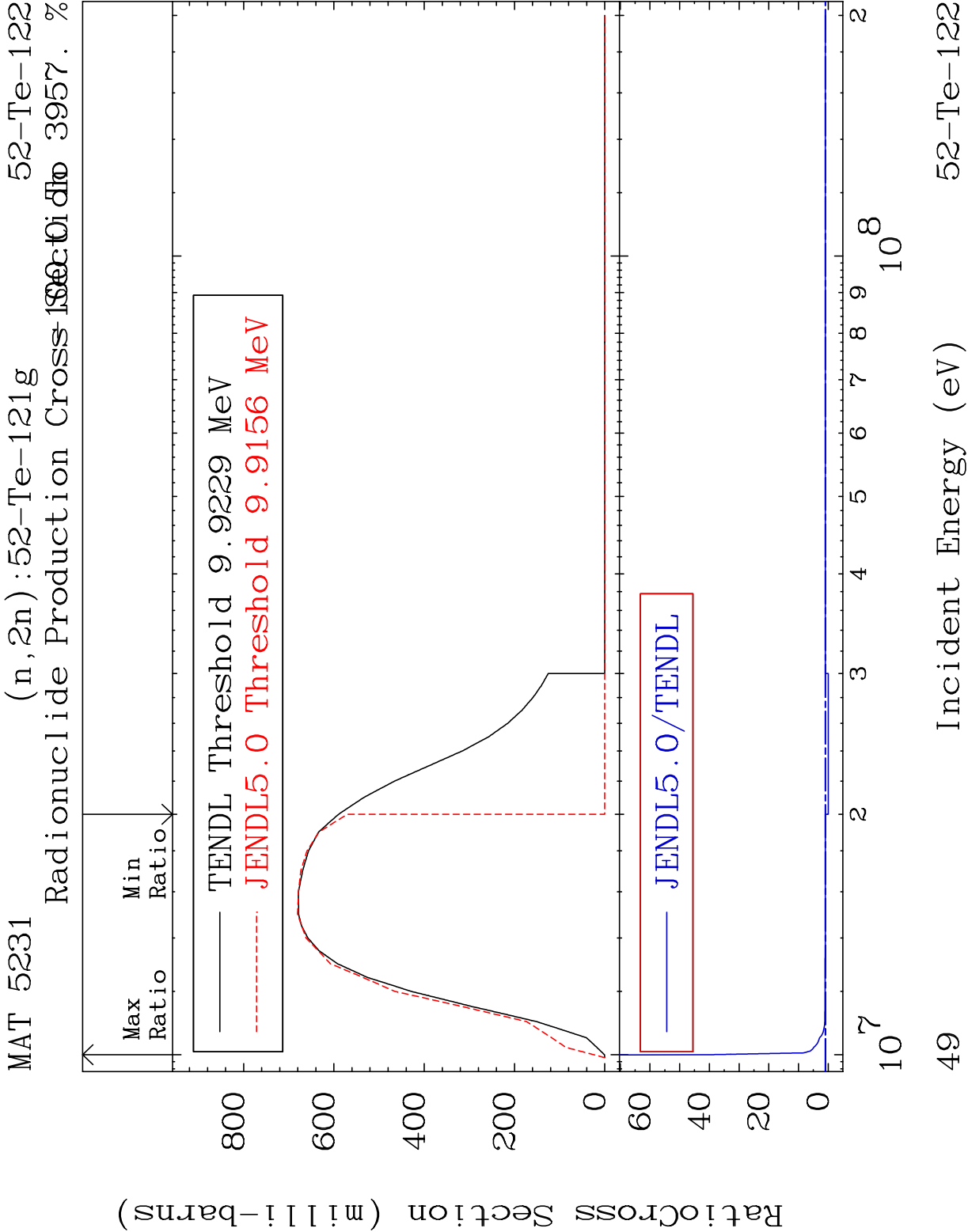
46 Incident Energy (eV) 52-Te-122

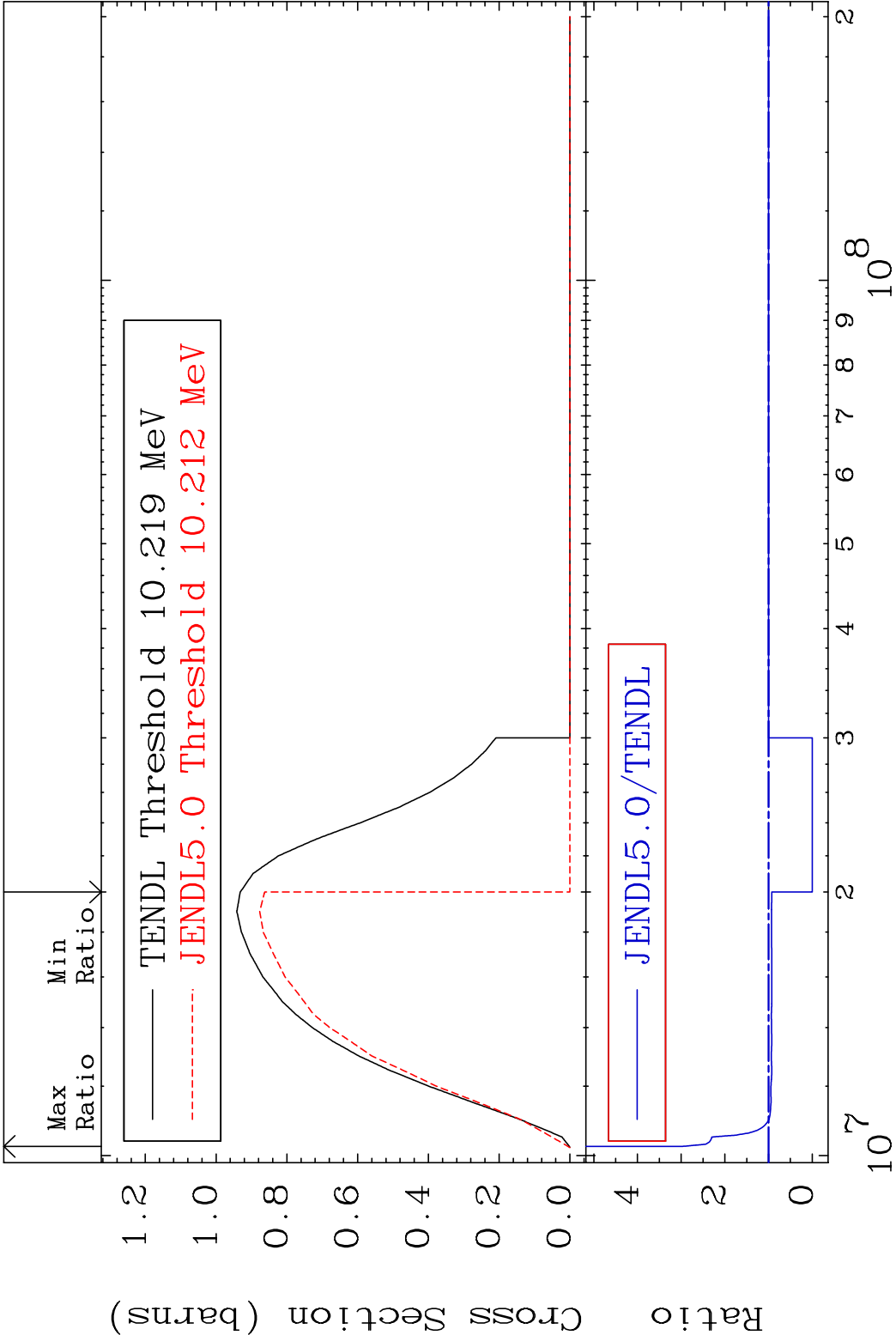
MAT 5231 Dpa inelastic (mt51-91) 52-Te-122
Cross Section -100.0 To 9999. %

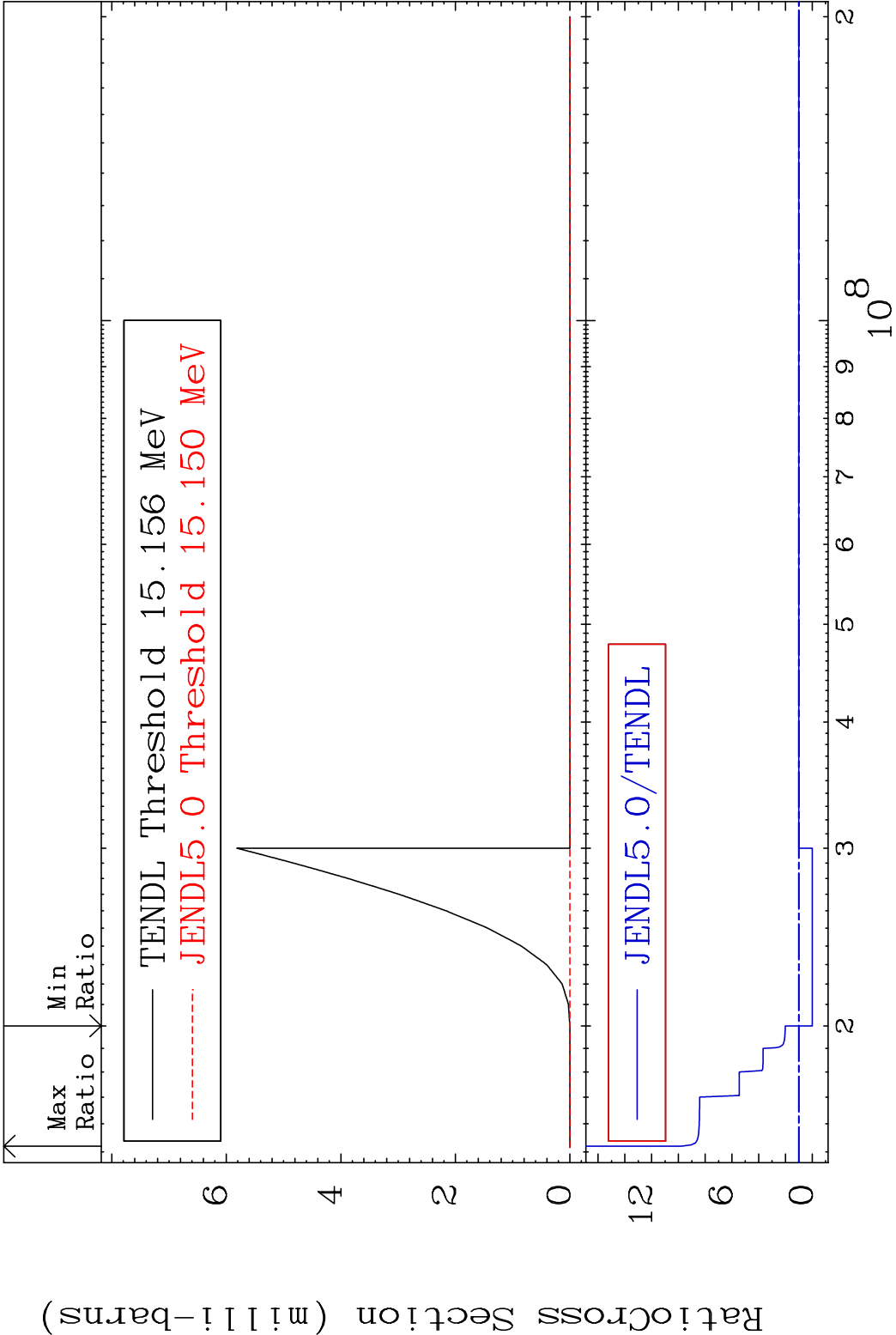


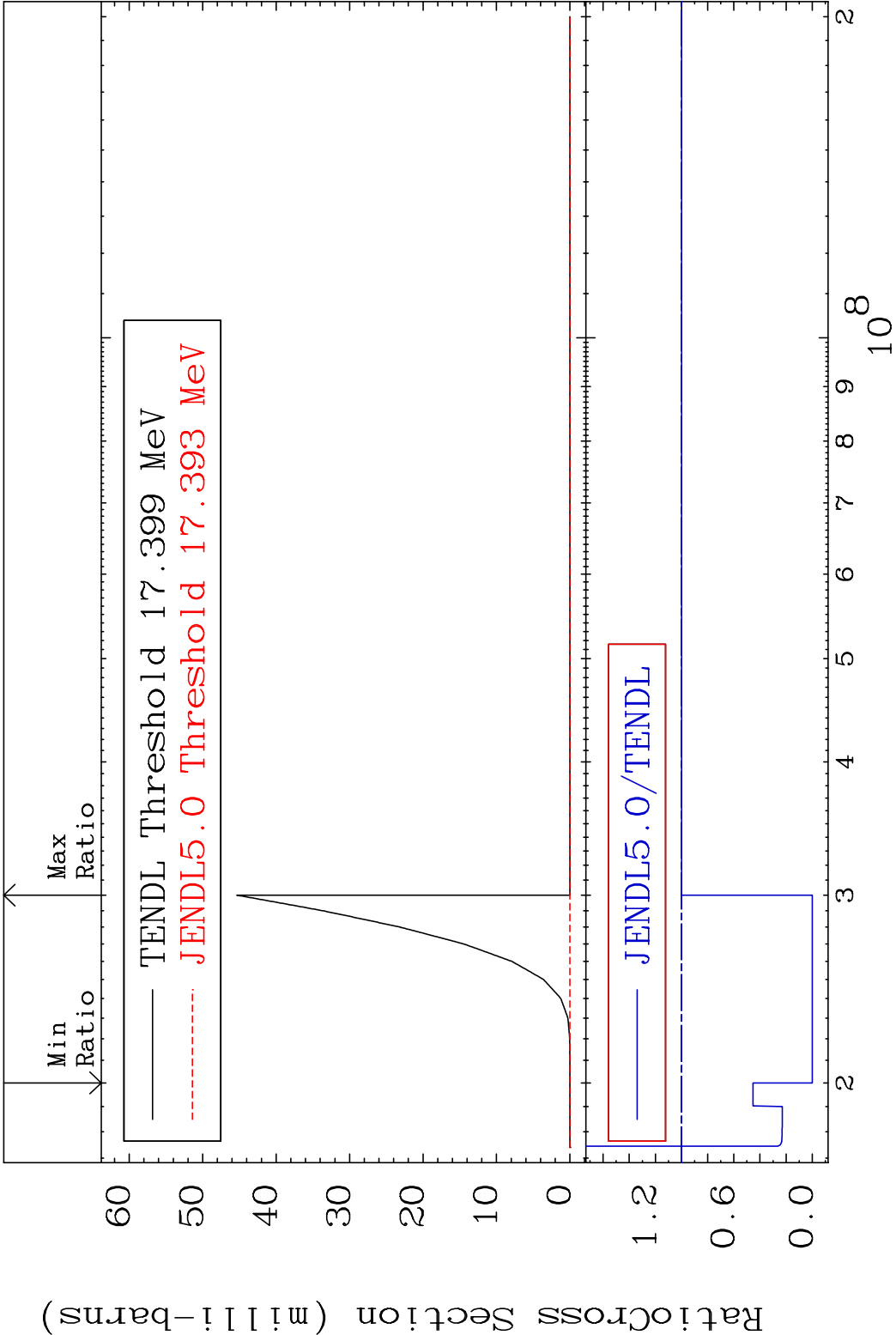
MAT 5231 Dpa disappearance (mt102 -120) 52-Te-122
Cross Section -100.0 To 9999. %



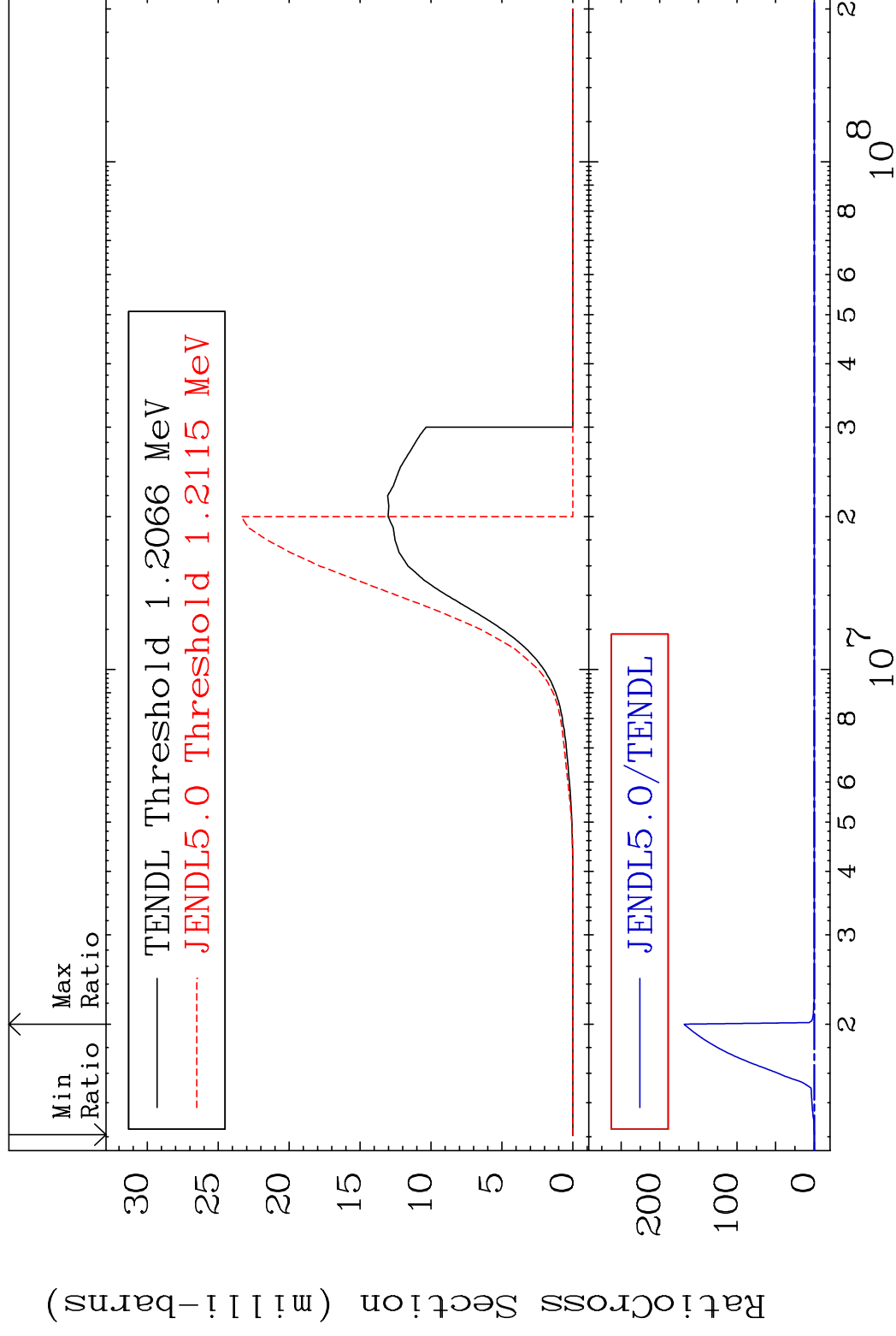


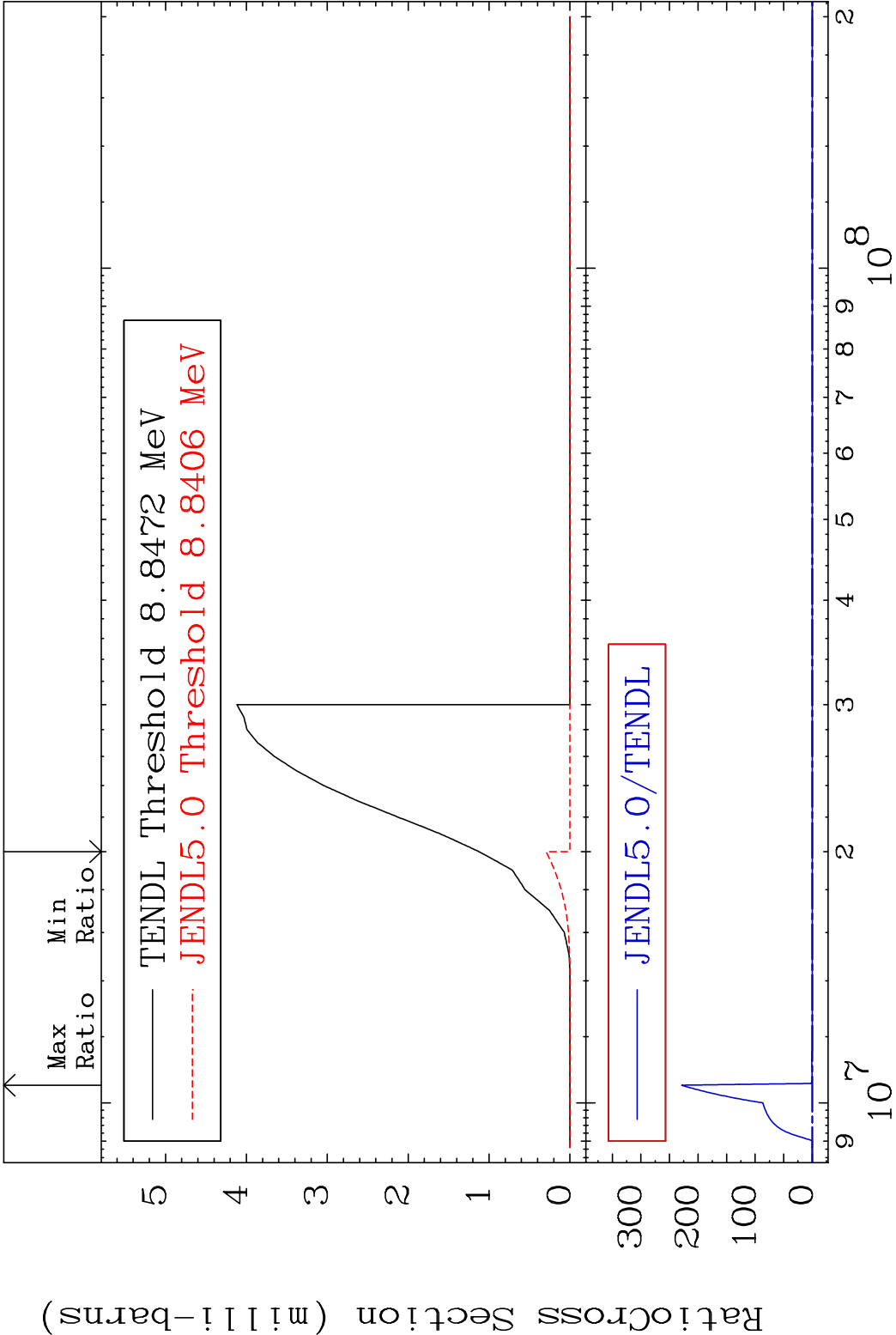


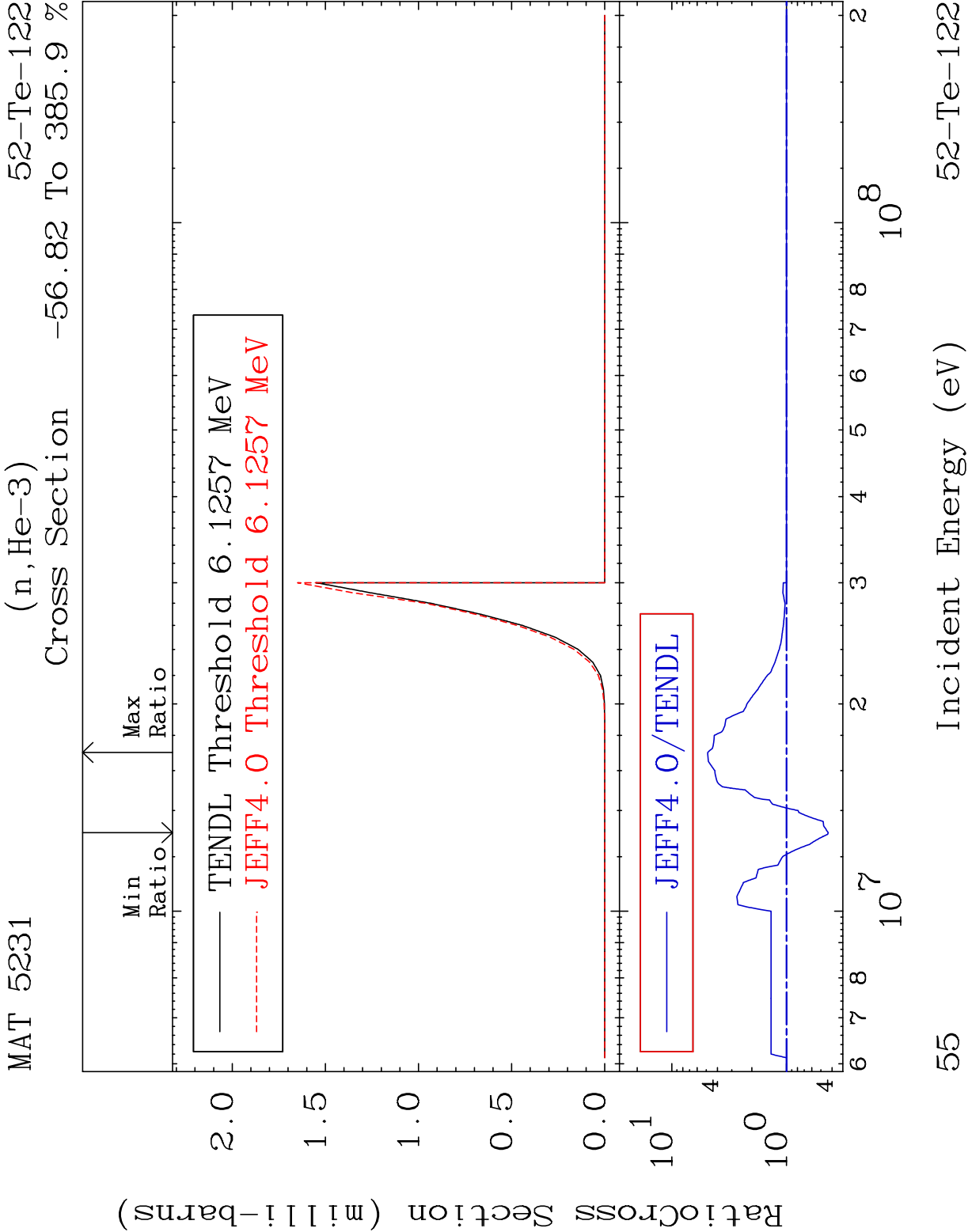




Radionuclide Production Cross-Section 1999. %







RatioCross Section (milli-barns)

2.0
1.5
1.0
0.5
0.0
10¹
10⁰

TENDL Threshold 6.1257 MeV
JEFF4.0 Threshold 6.1257 MeV

JEFF4.0/TENDL

6 7 8 10⁷
2 3 4 5 6 7 8 10⁸
2

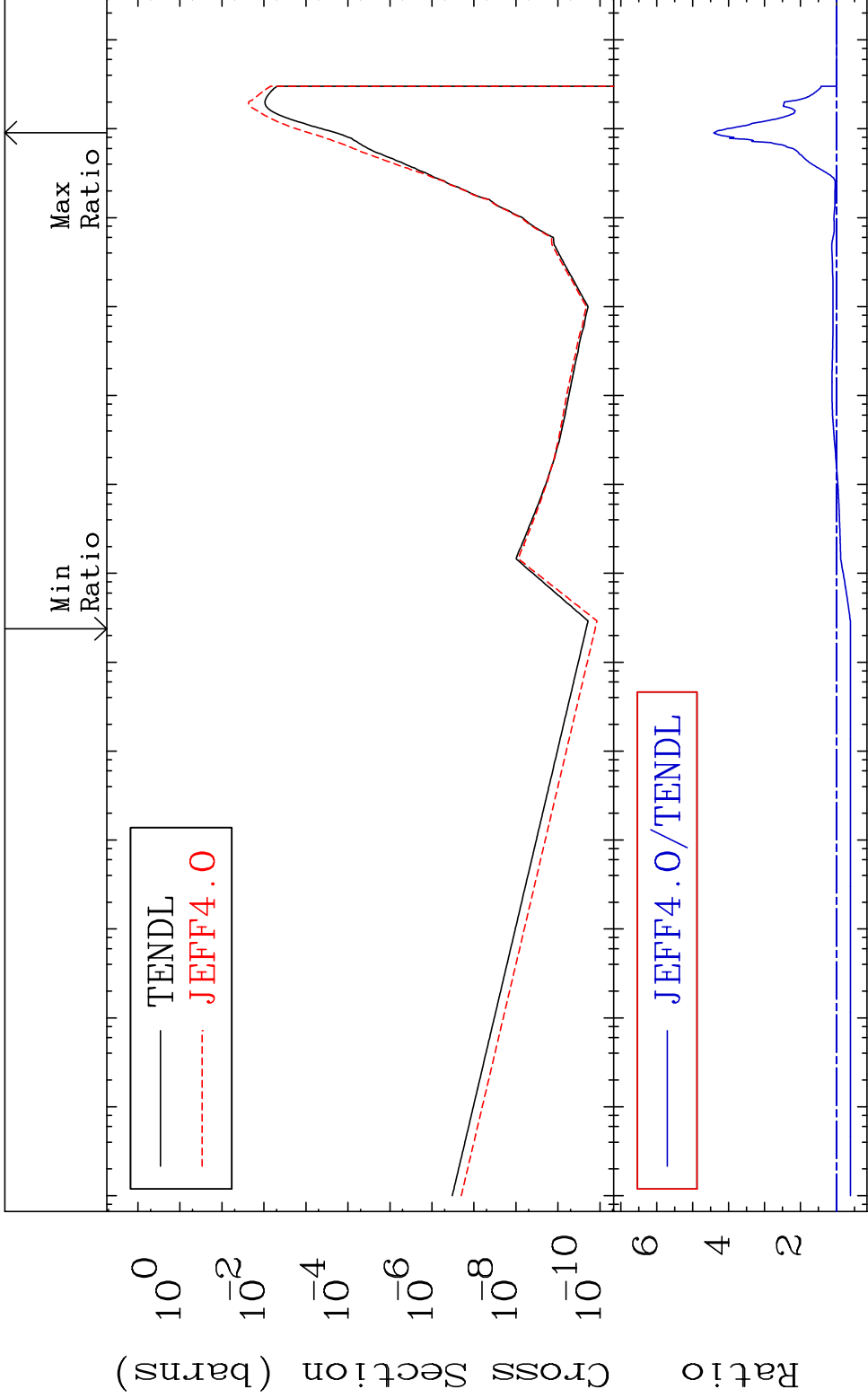
MAT 5231

(n, α)

52-Te-122

Cross Section

-38.82 To 341.5 %

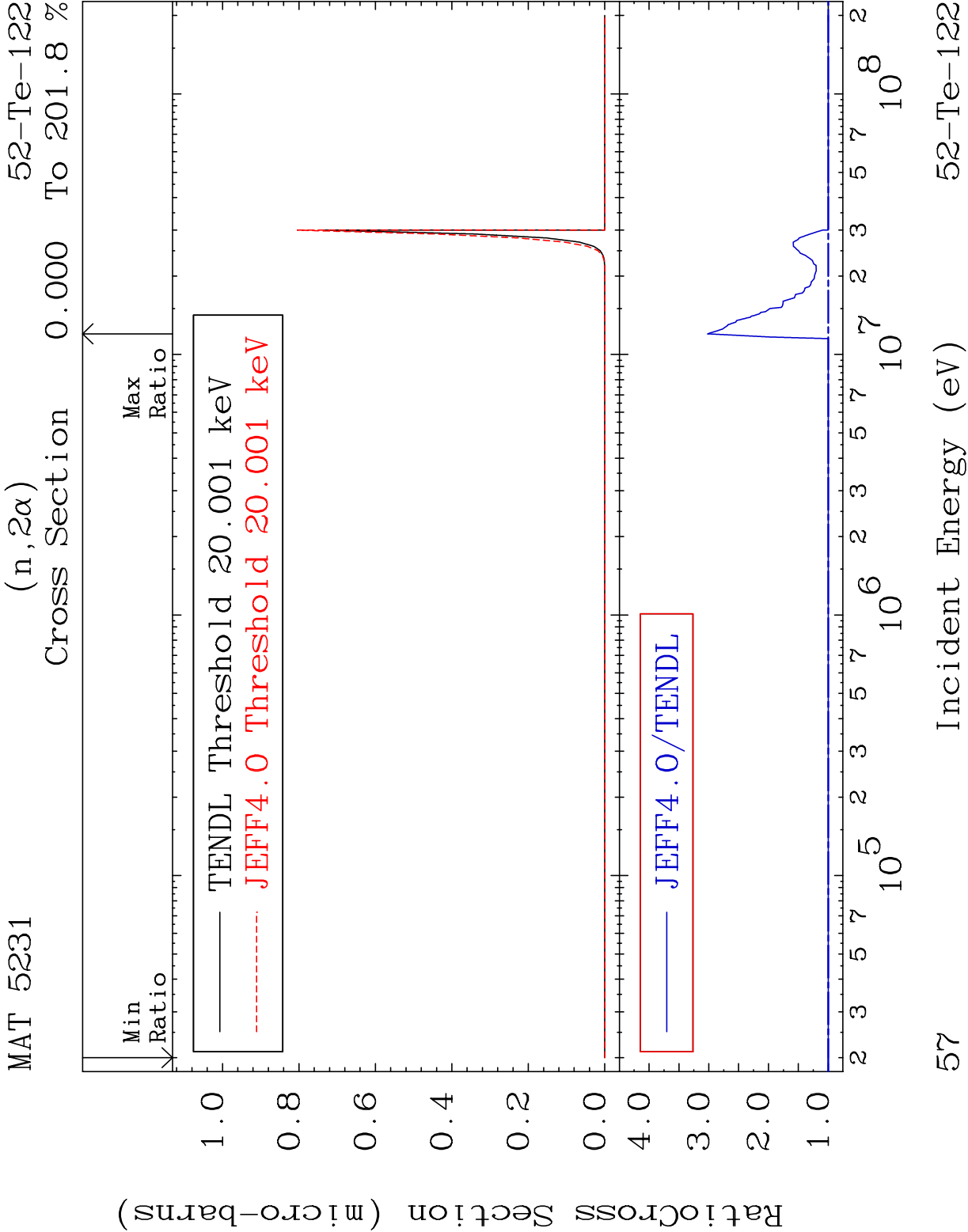


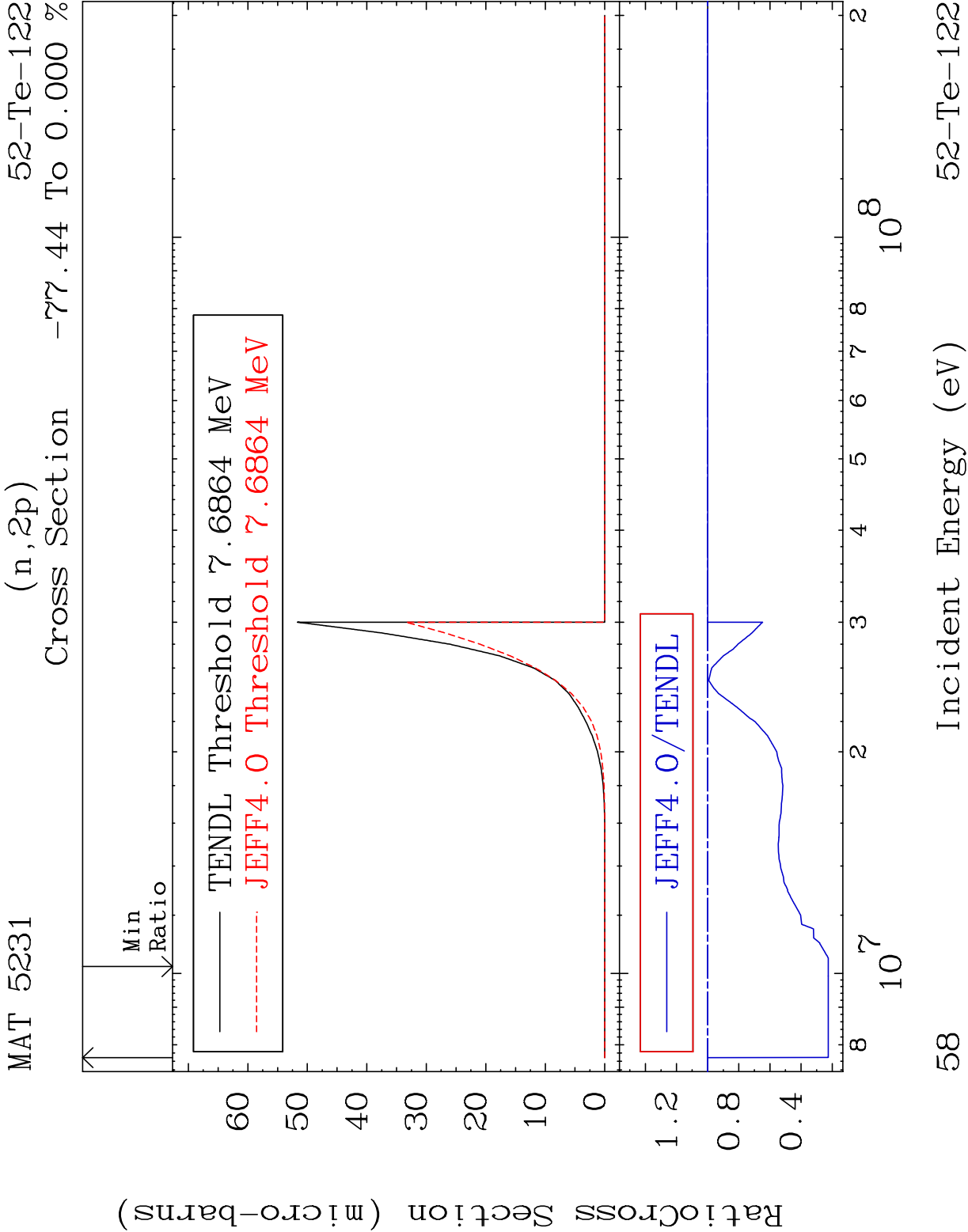
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

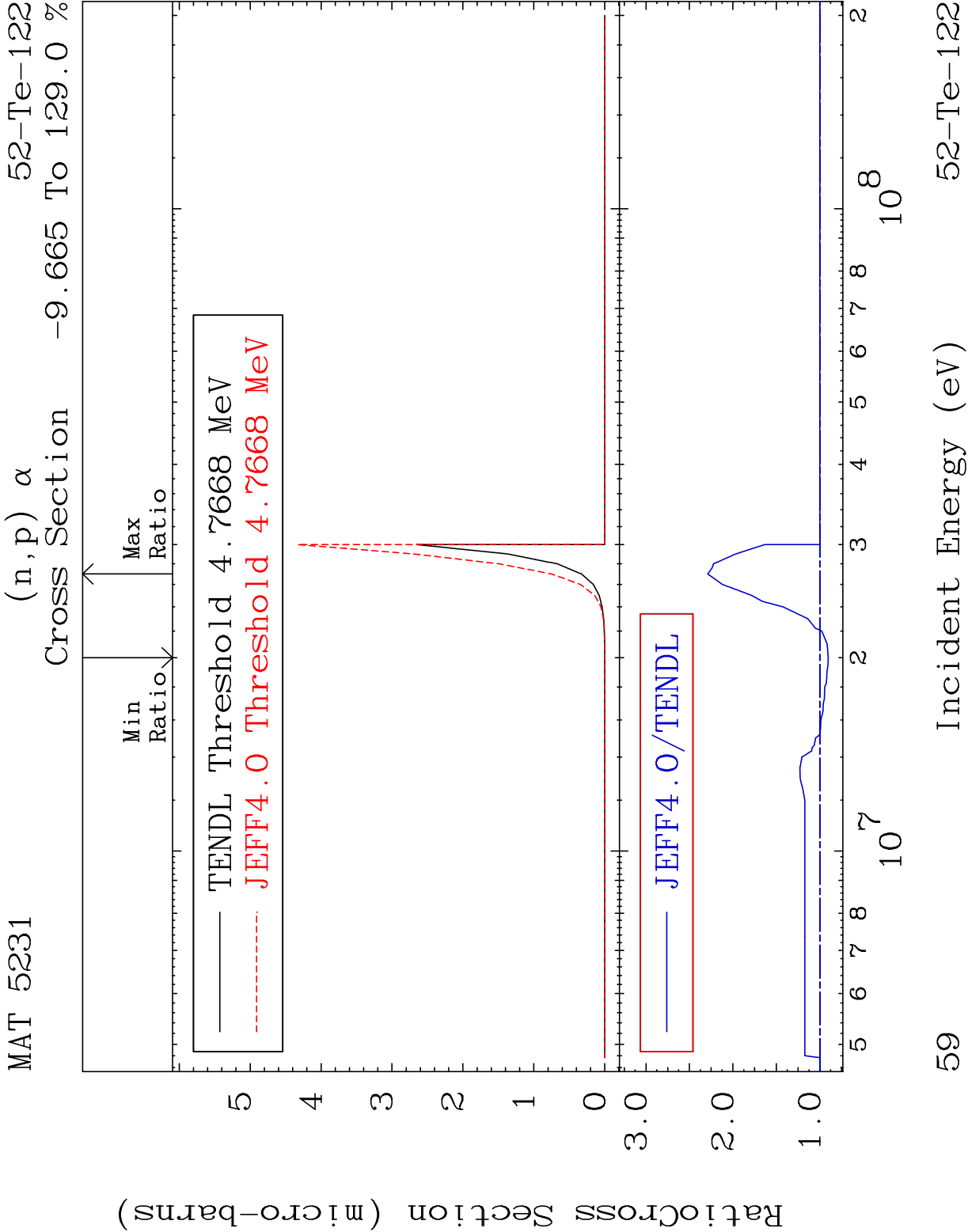
56

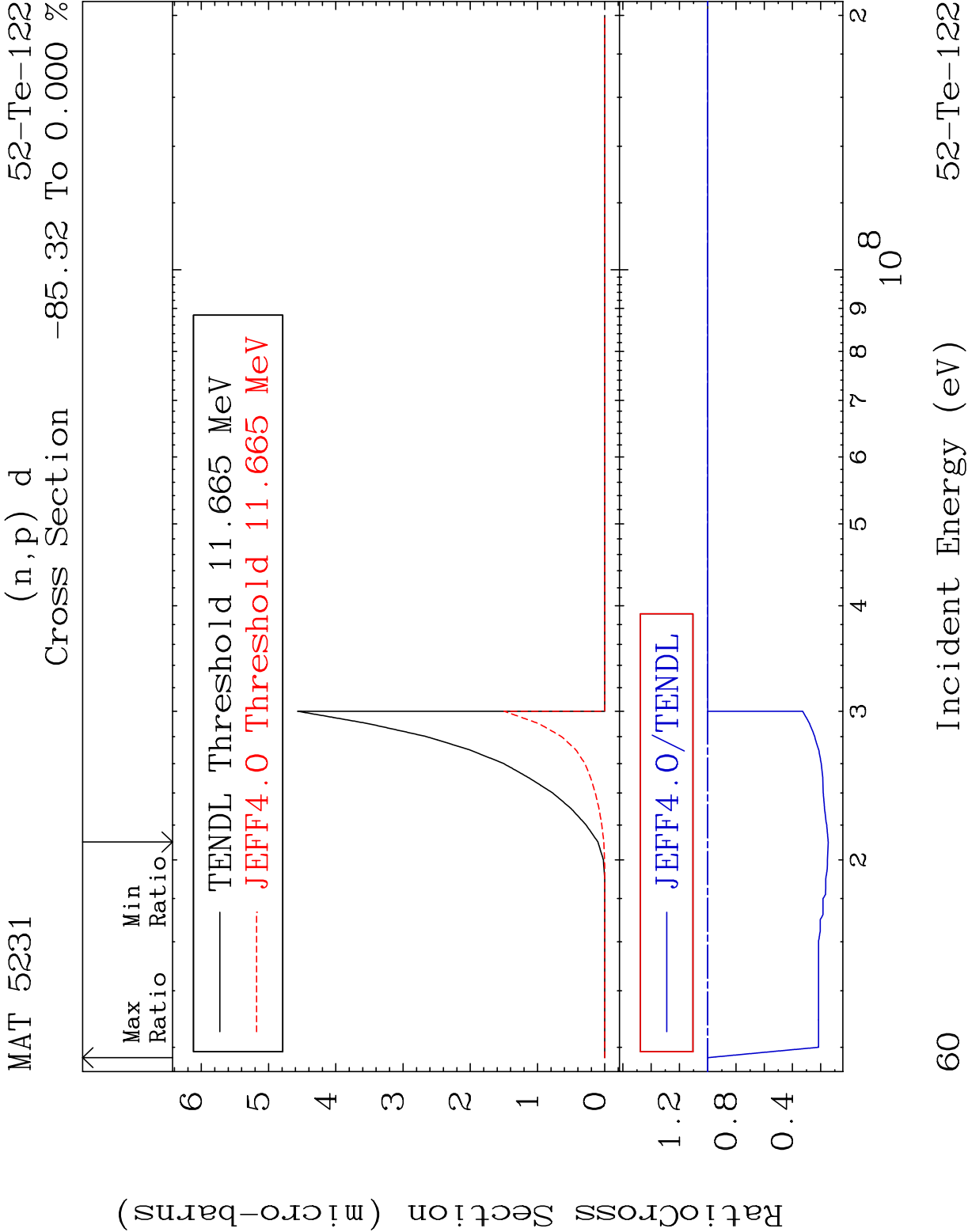
Incident Energy (eV)

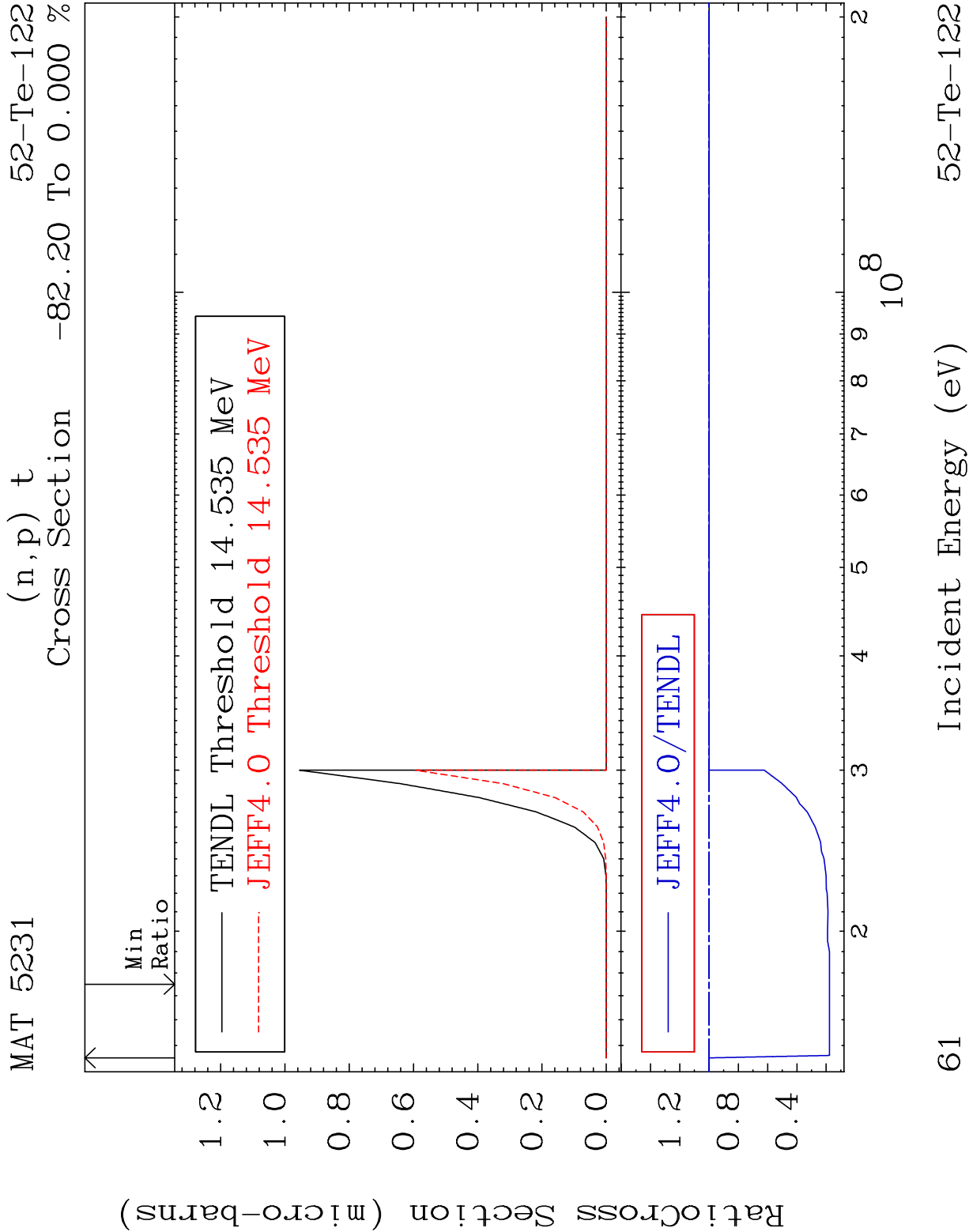
52-Te-122

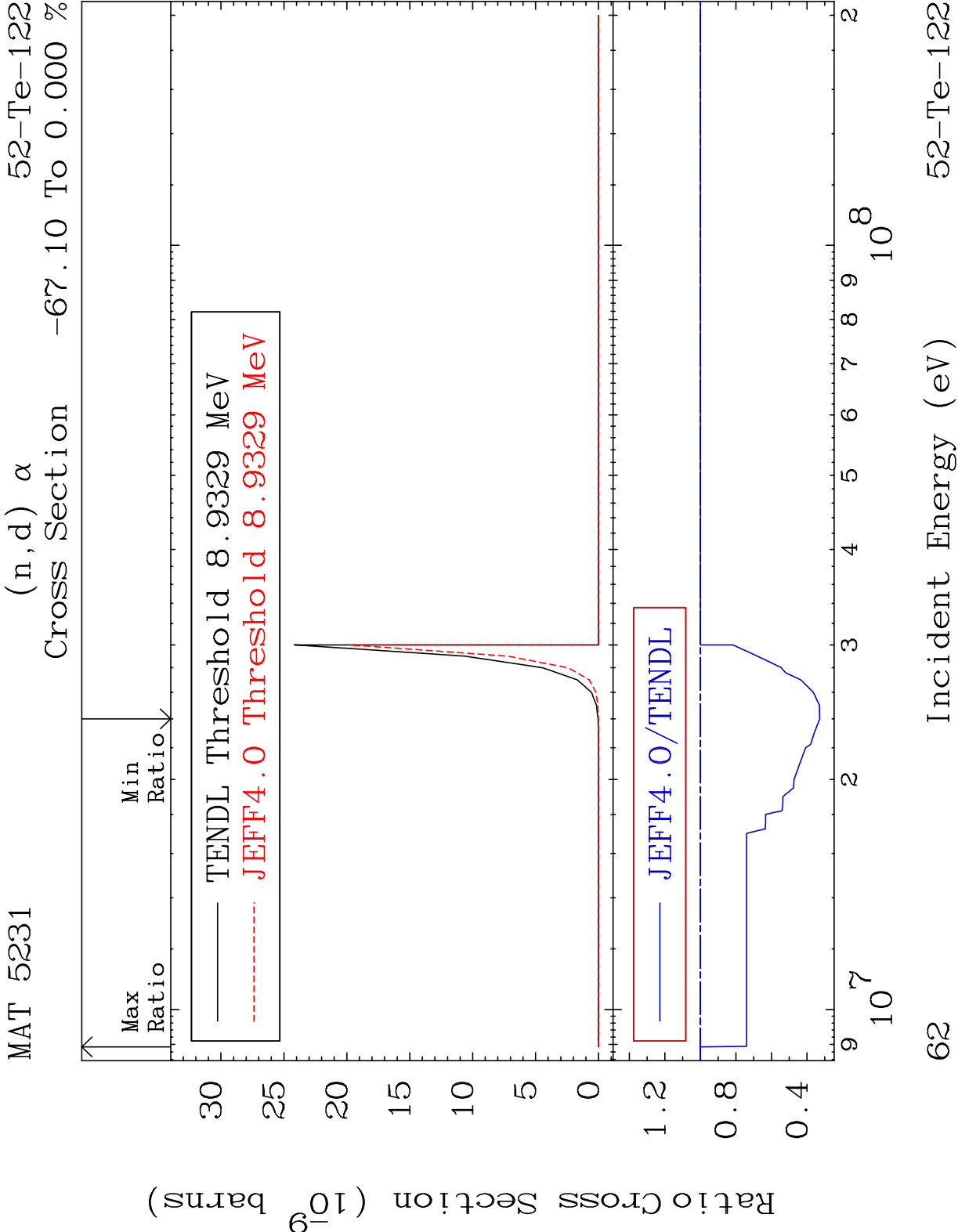






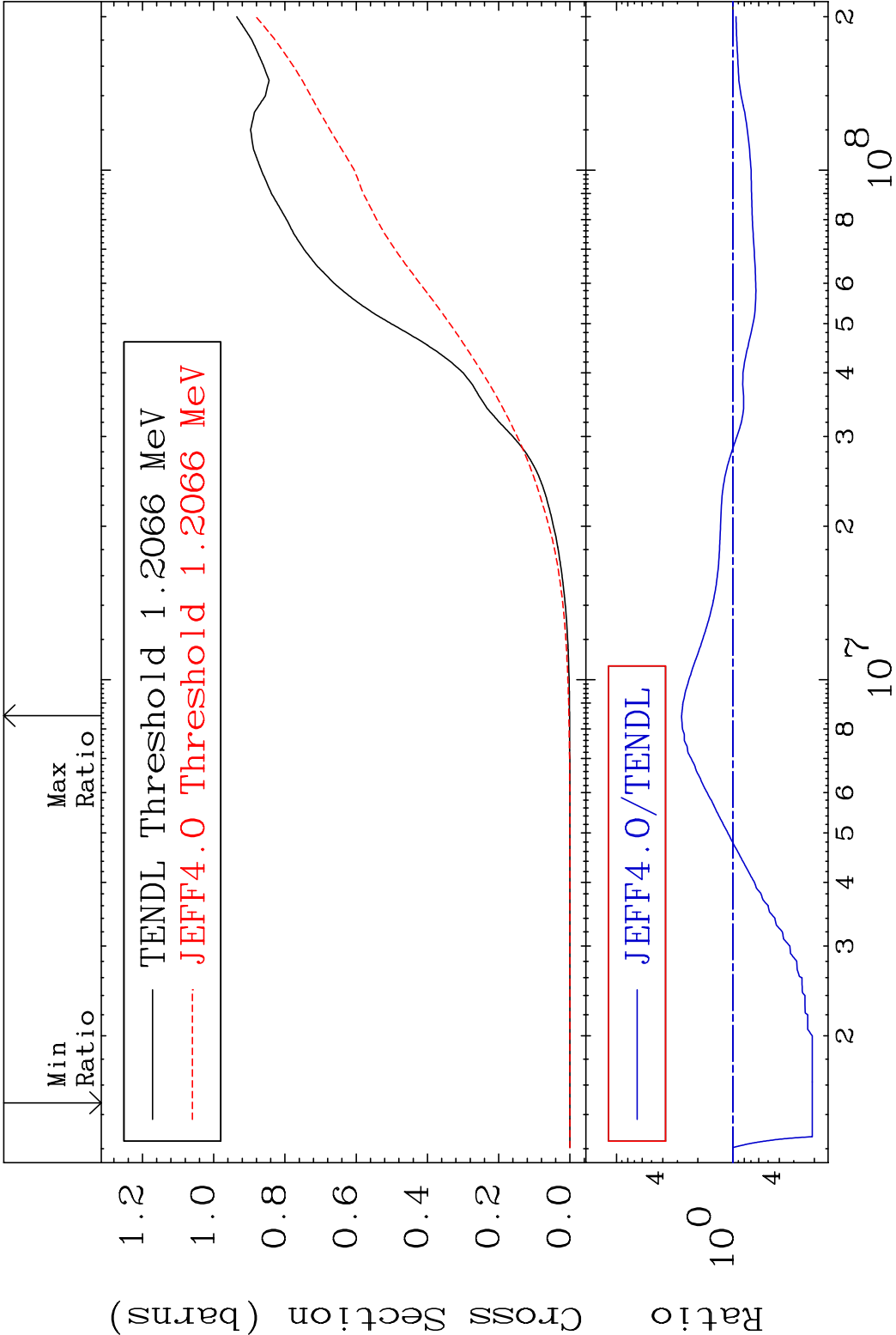




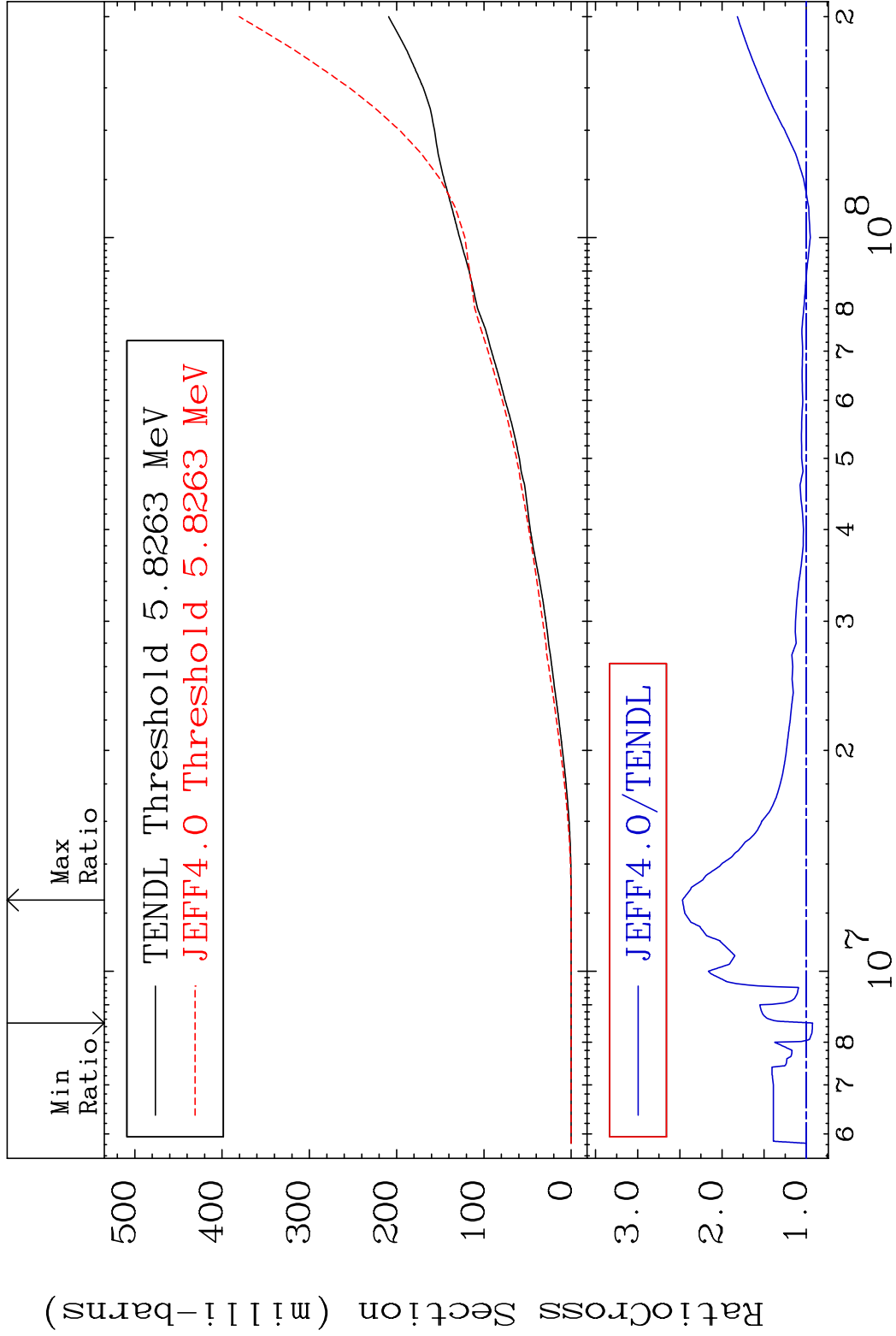


62

52-Te-122

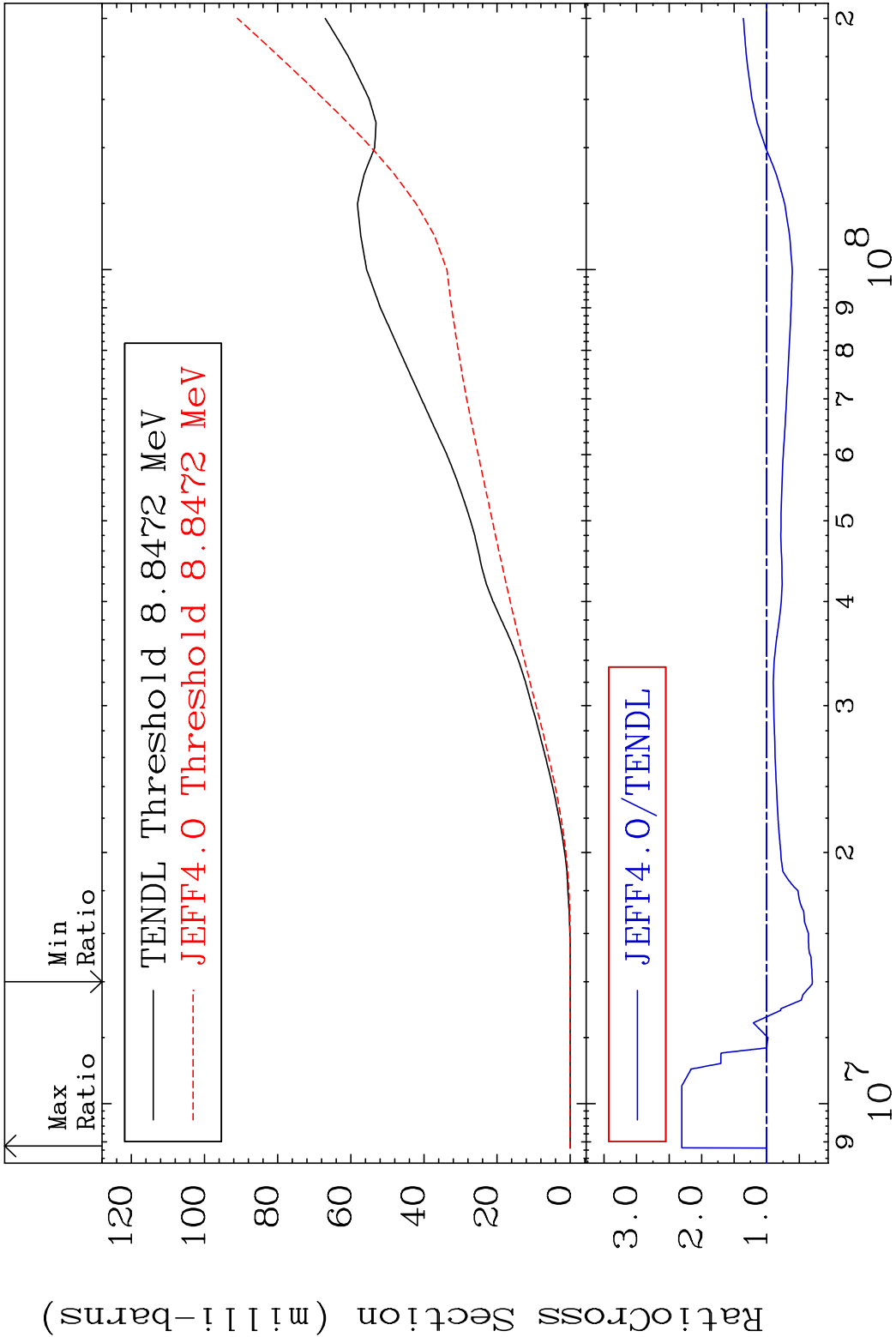


MAT 5231 Deuterium Production 52-Te-122
Cross Section -7.492 To 147.0 %



64 Incident Energy (eV) 52-Te-122

MAT 5231 Tritium Production 52-Te-122
Cross Section -70.09 To 130.6 %



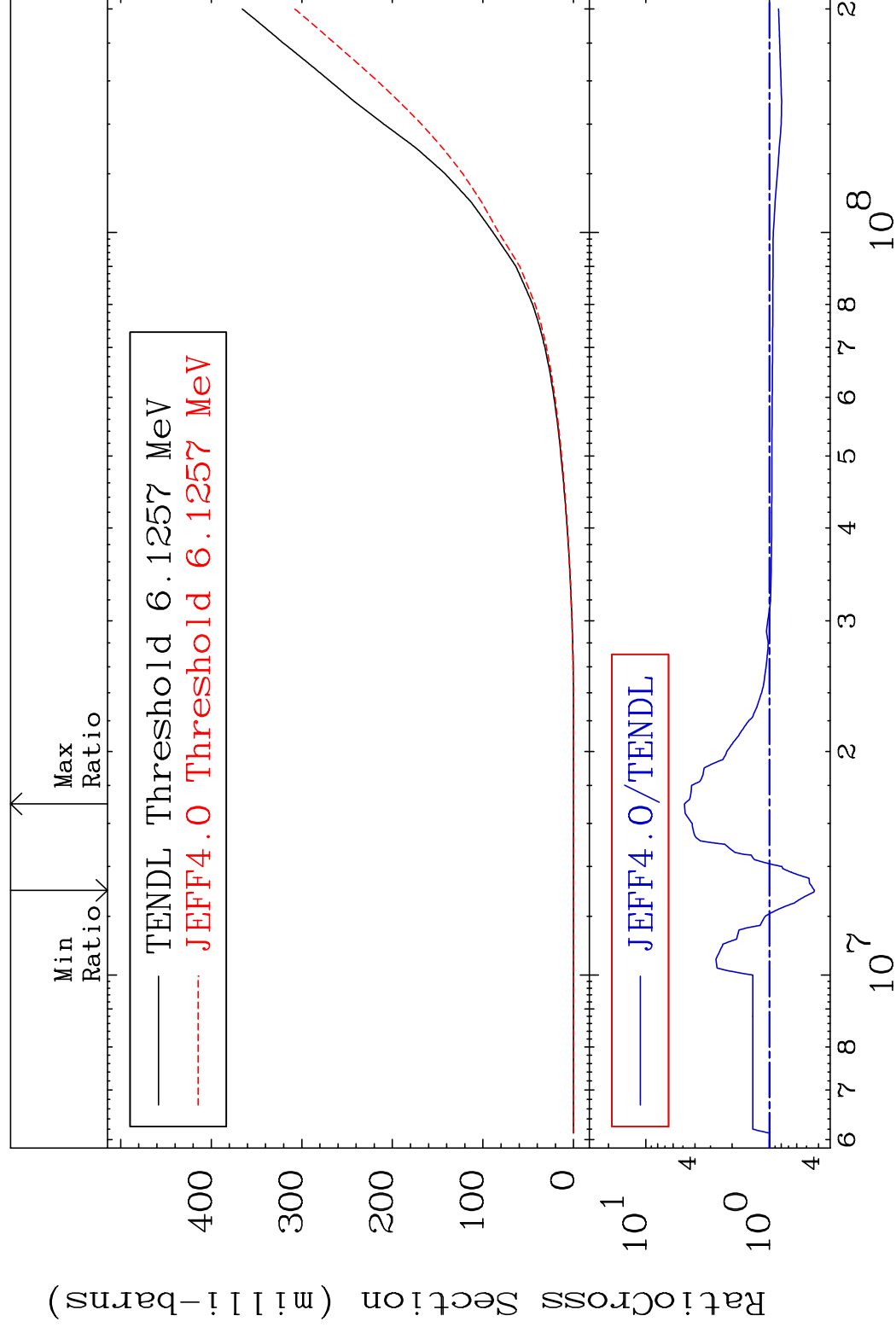
65 Incident Energy (eV) 52-Te-122

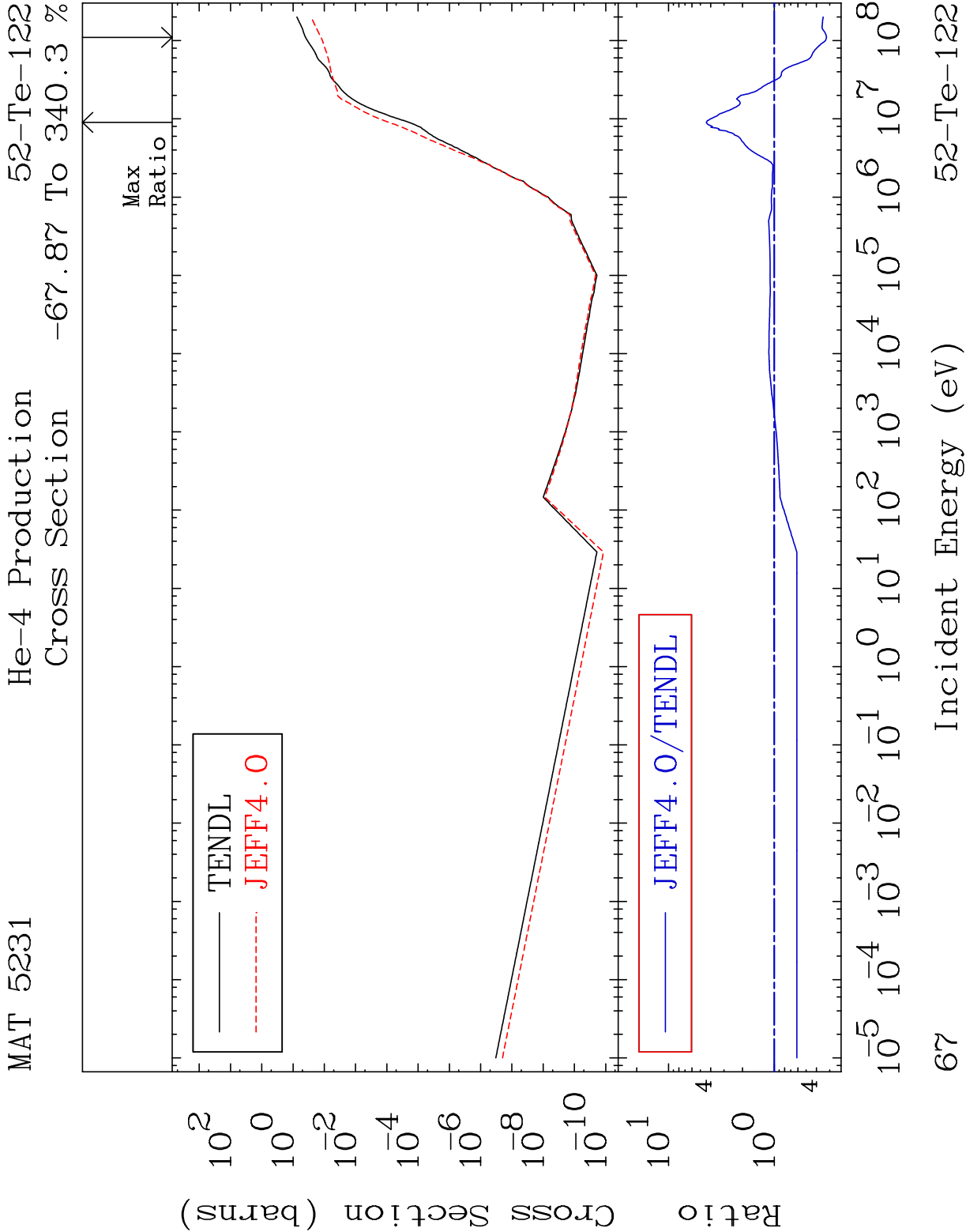
MAT 5231

He-3 Production

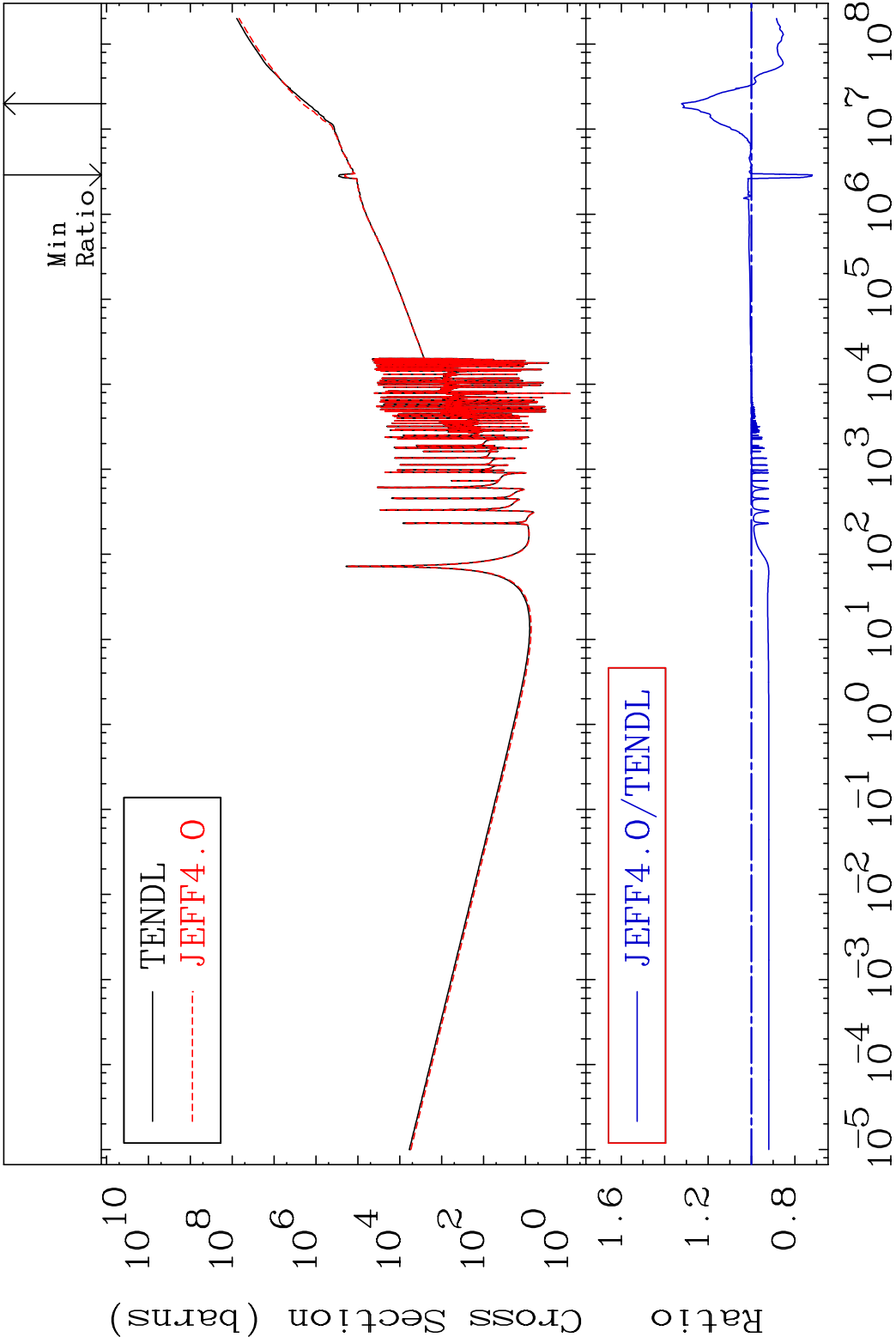
52-Te-122

-56.82 To 385.9 %





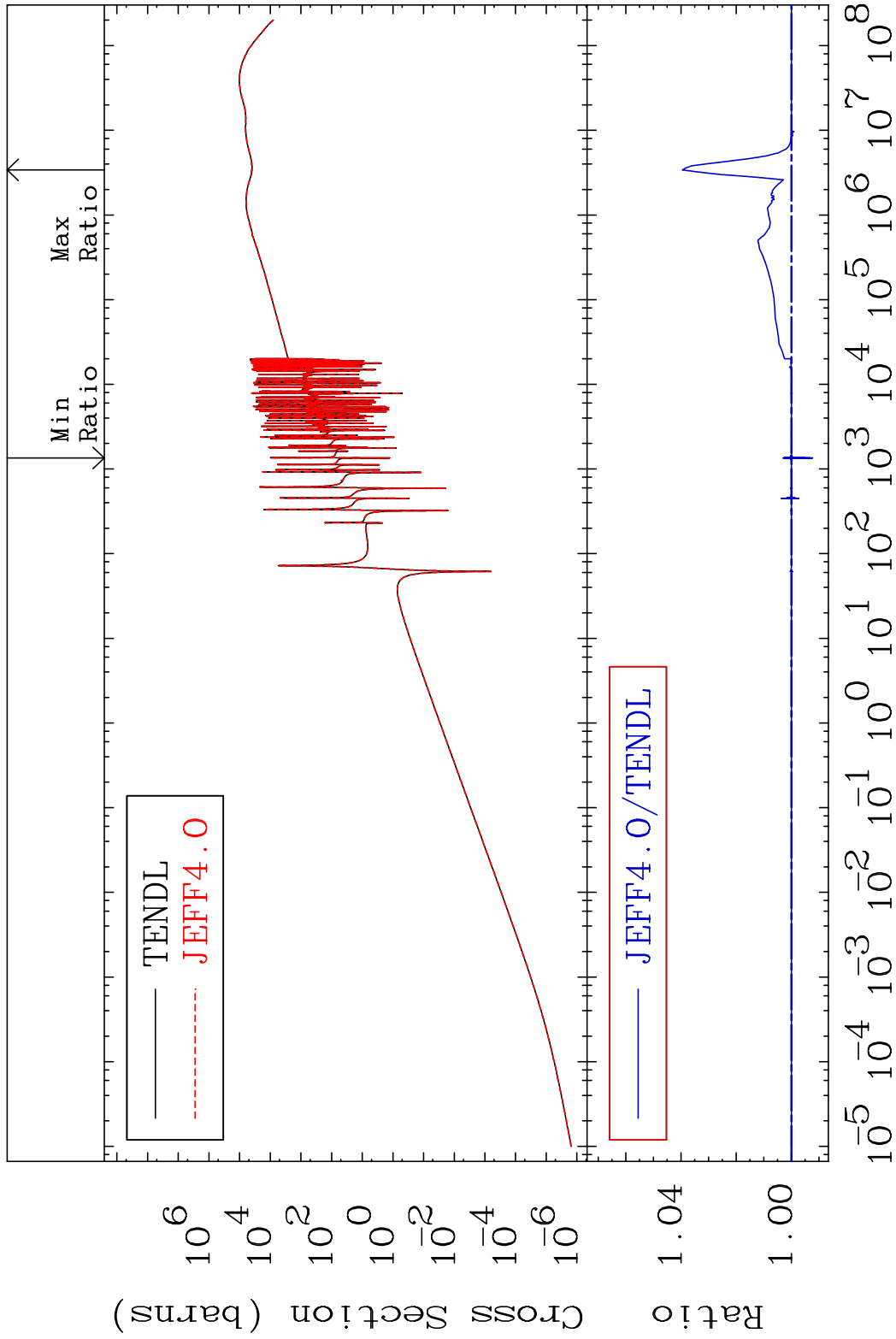
MAT 5231 Kerma total (eV-barns) 52-Te-122
Cross Section -27.99 To 32.23 %



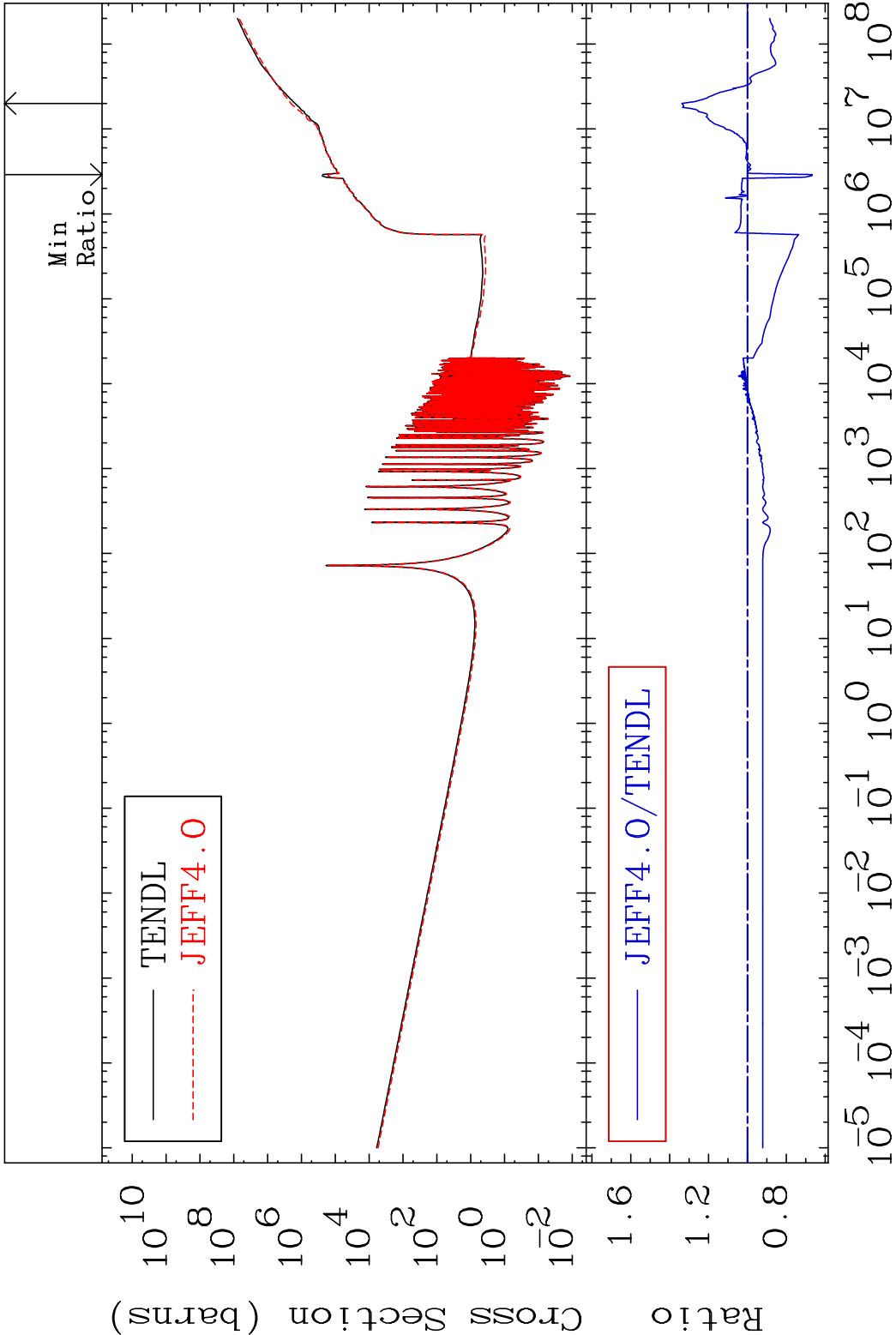
MAT 5231

Kerma elastic
Cross Section

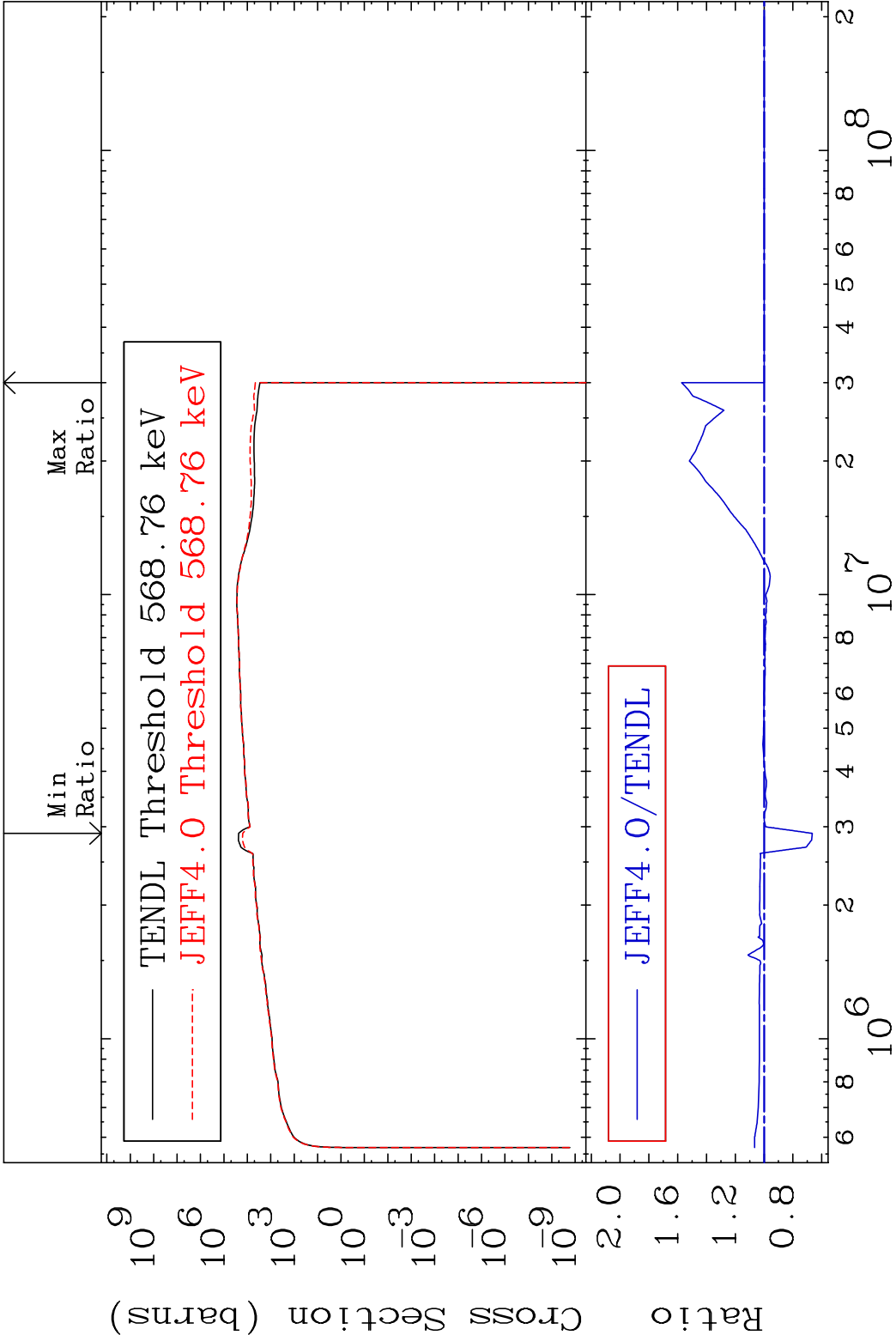
52-Te-122
-0.769 To 3.950 %



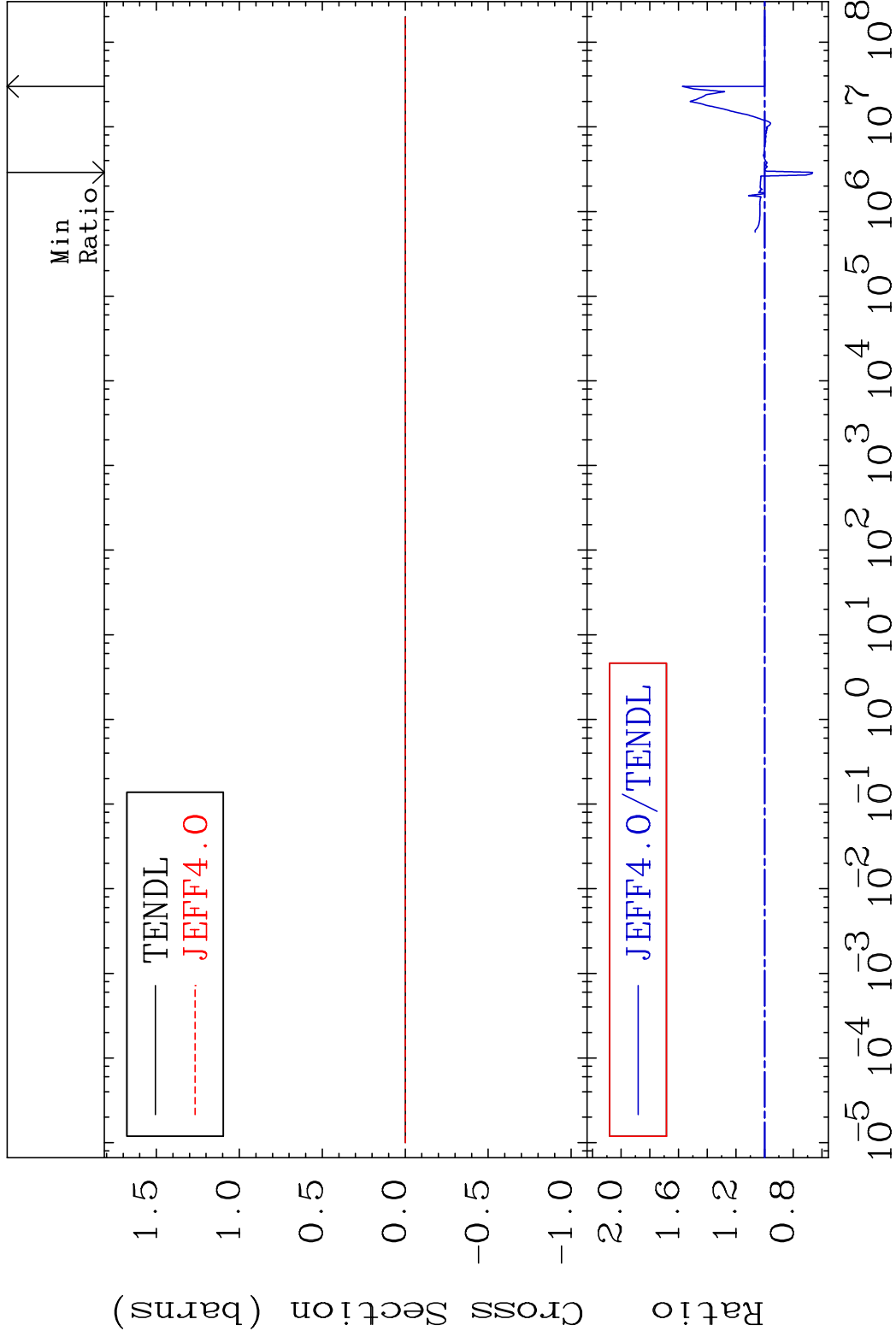
MAT 5231 Kerma non-elastic (all but mt2) 52-Te-122
Cross Section -33.41 To 33.75 %

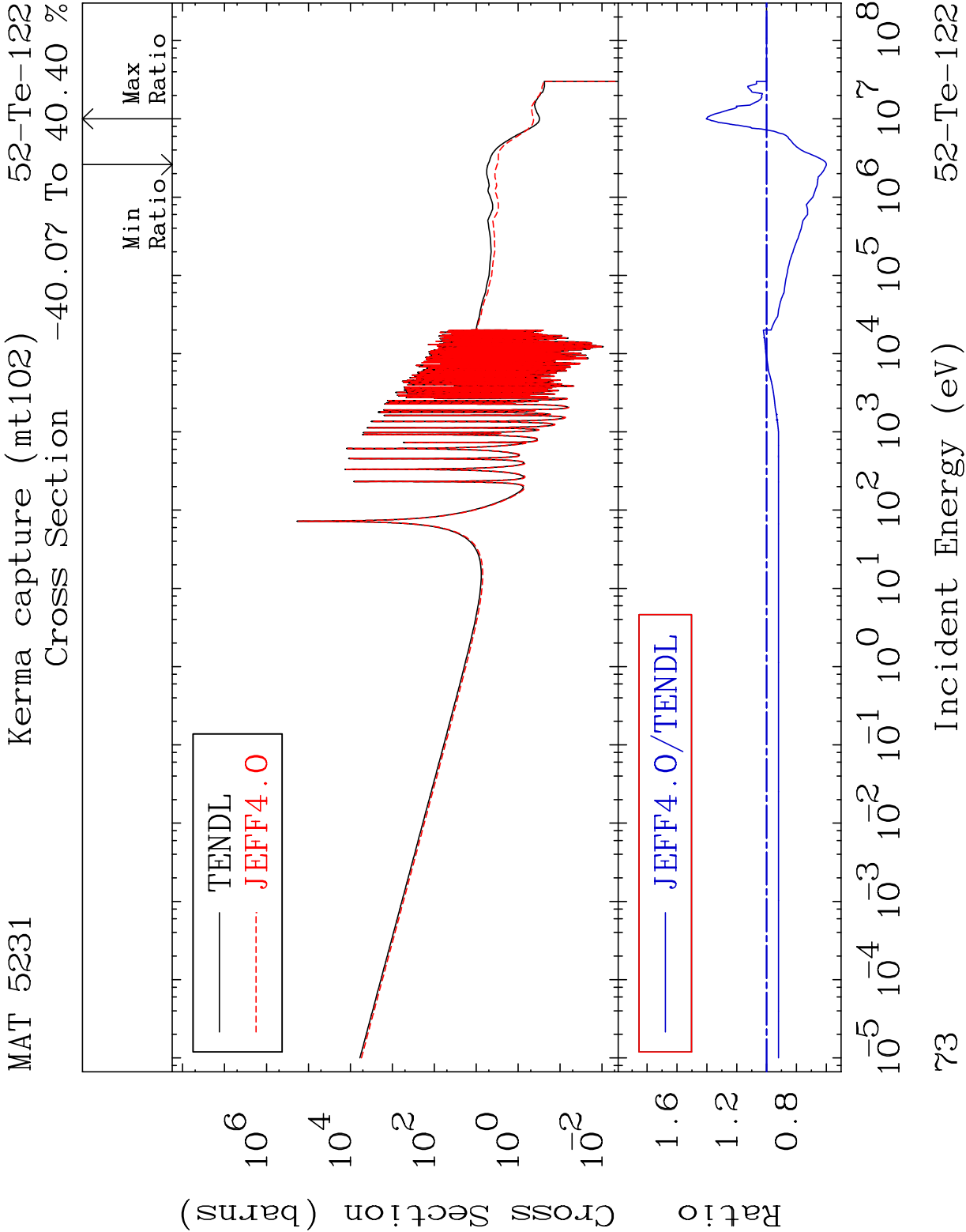


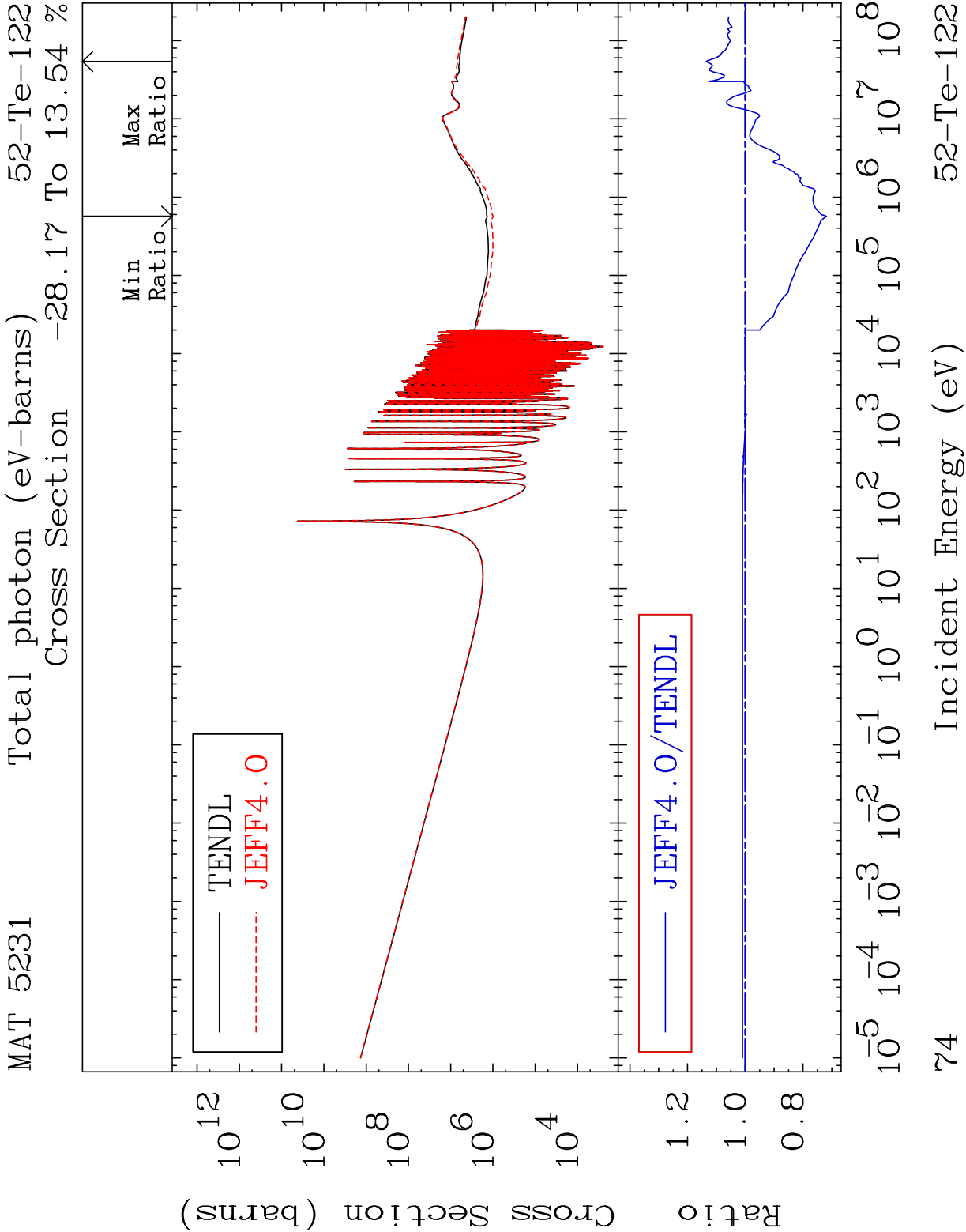
70 Incident Energy (eV) 52-Te-122



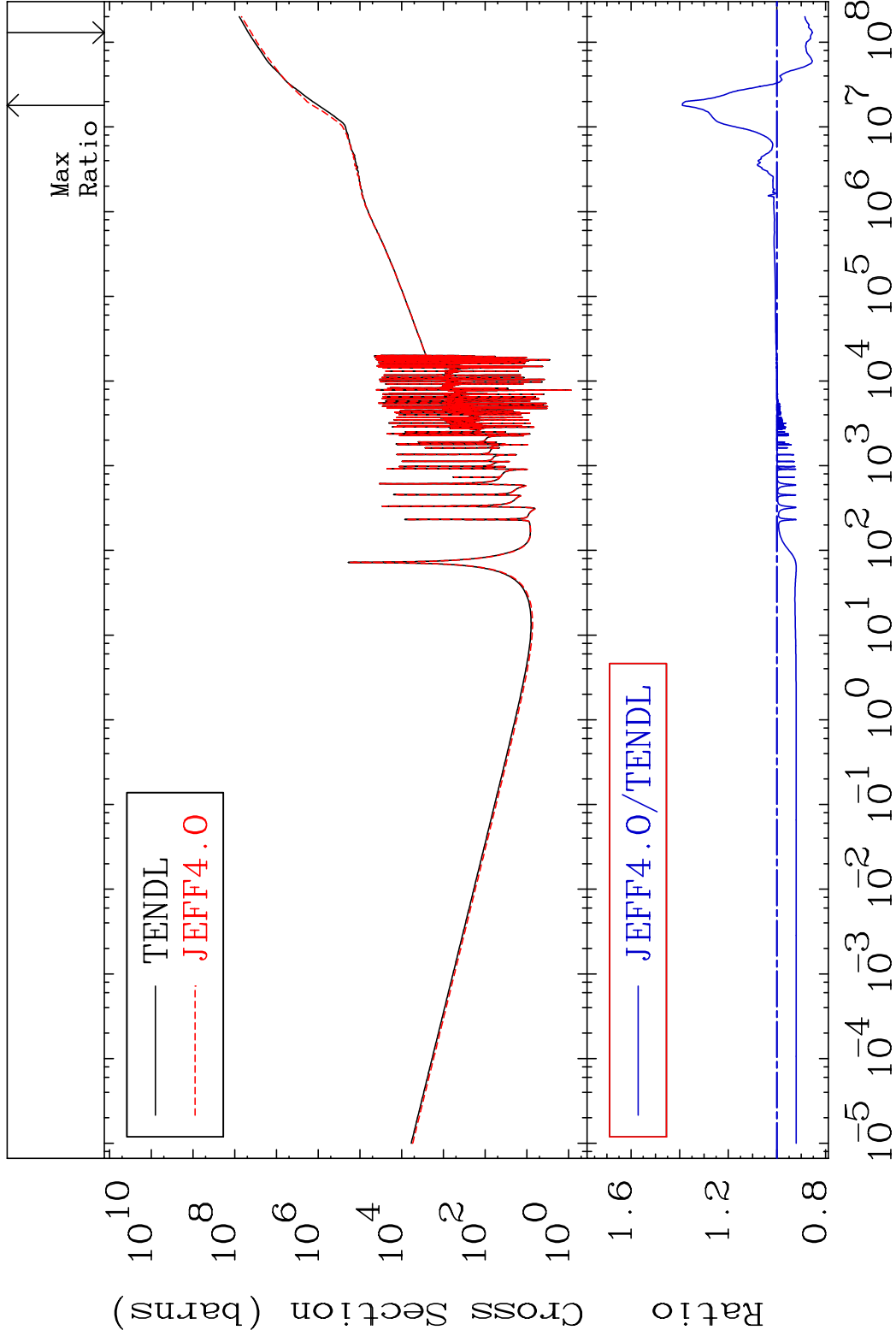
MAT 5231 Kerma fission (mt18 or mt19-20-21-38)52-Te-122
Cross Section -33.41 To 57.34 %





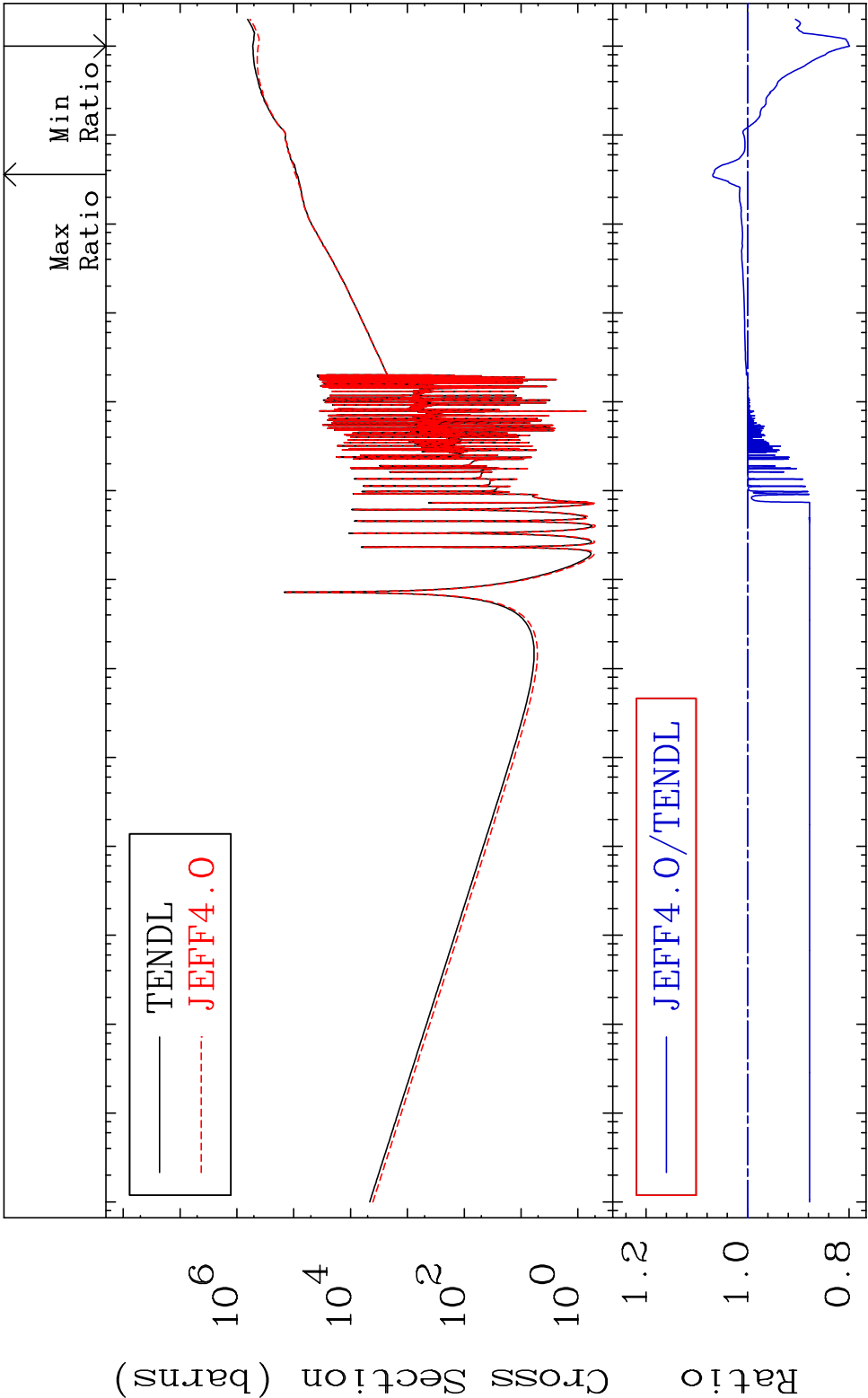


MAT 5231 Total kinematic kerma (high limit) 52-Te-122
Cross Section -14.68 To 38.91 %



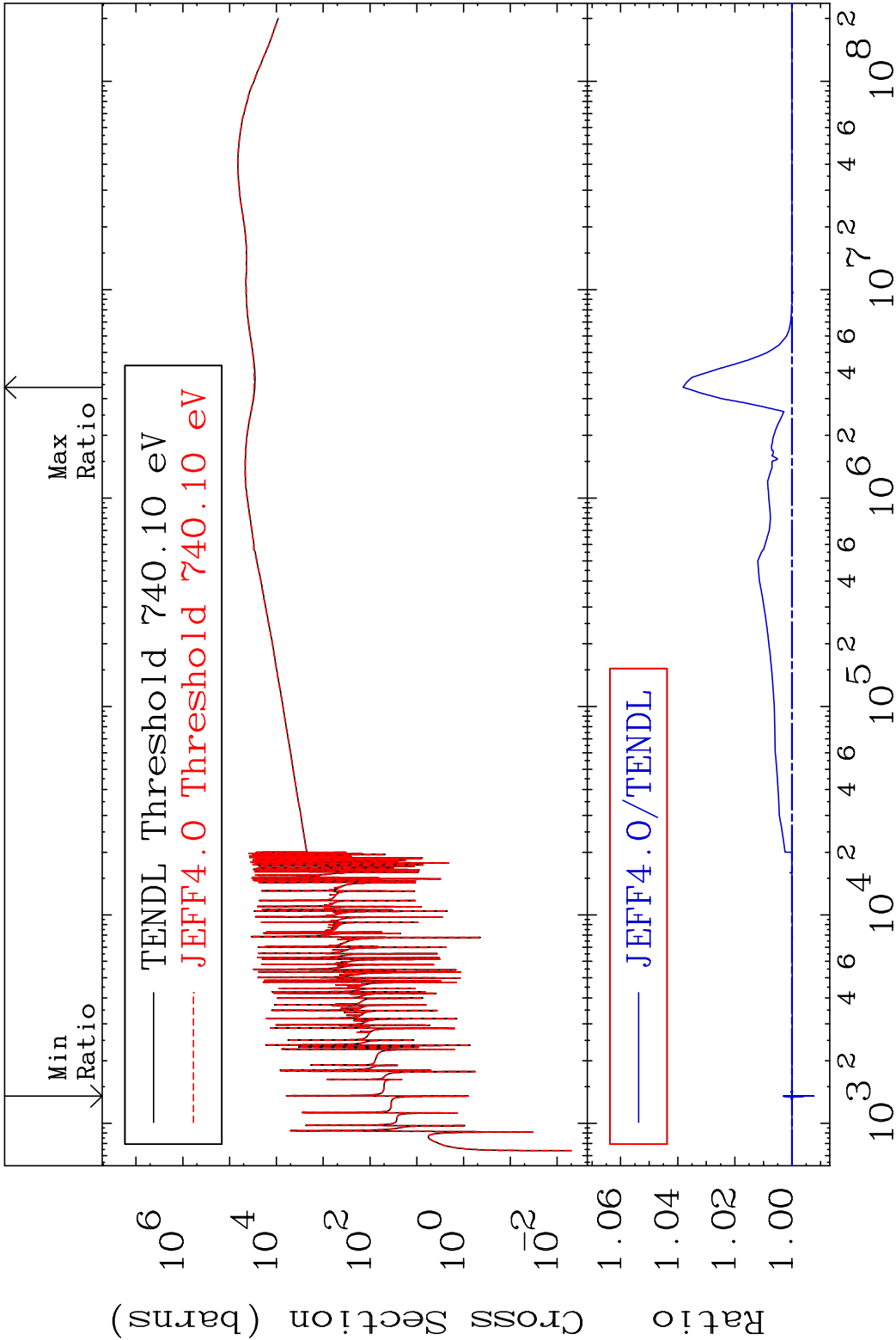
75 Incident Energy (eV) 52-Te-122

MAT 5231 Dpa total (eV-barns) 52-Te-122
Cross Section -20.08 To 6.859 %

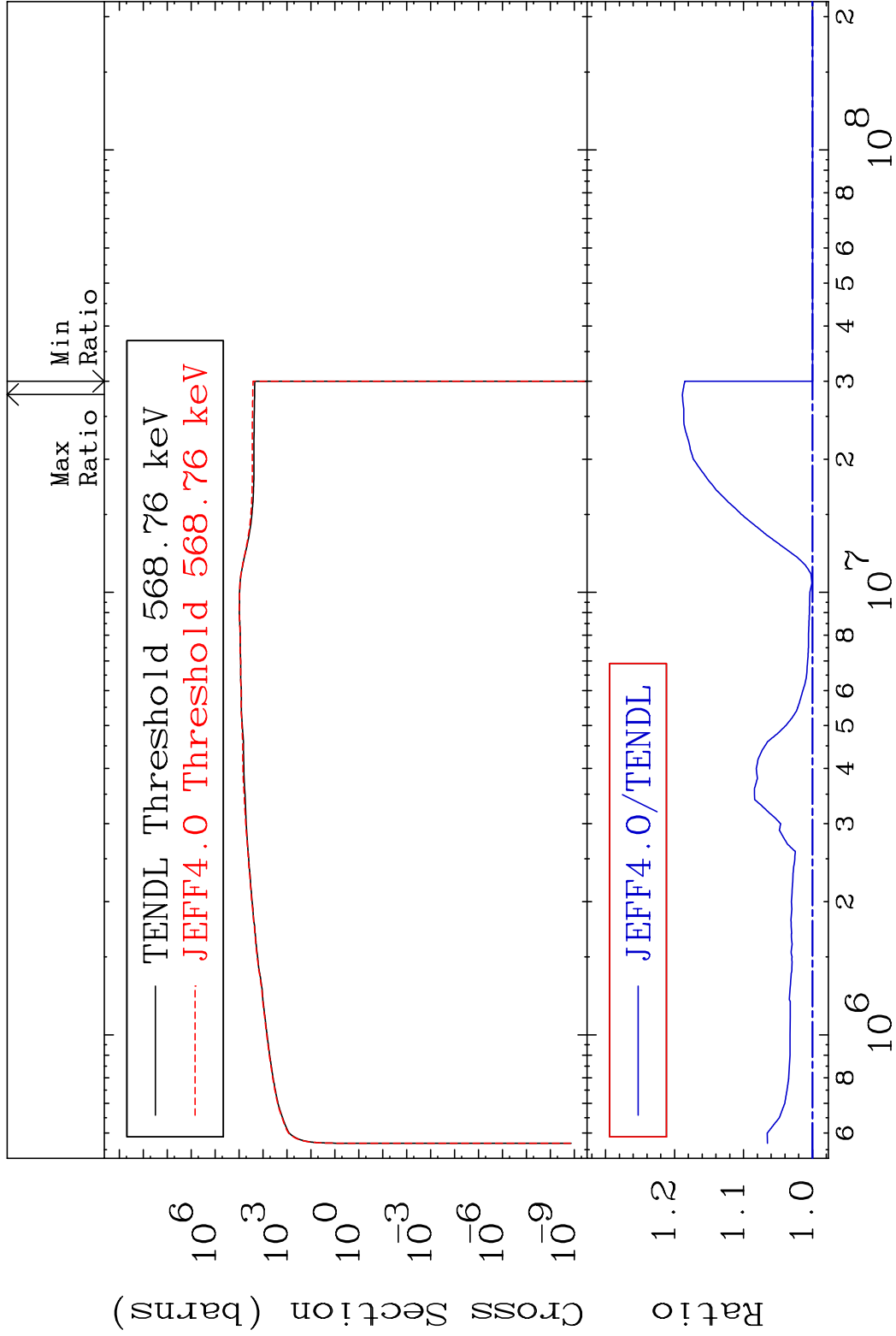


76 Incident Energy (eV) 52-Te-122

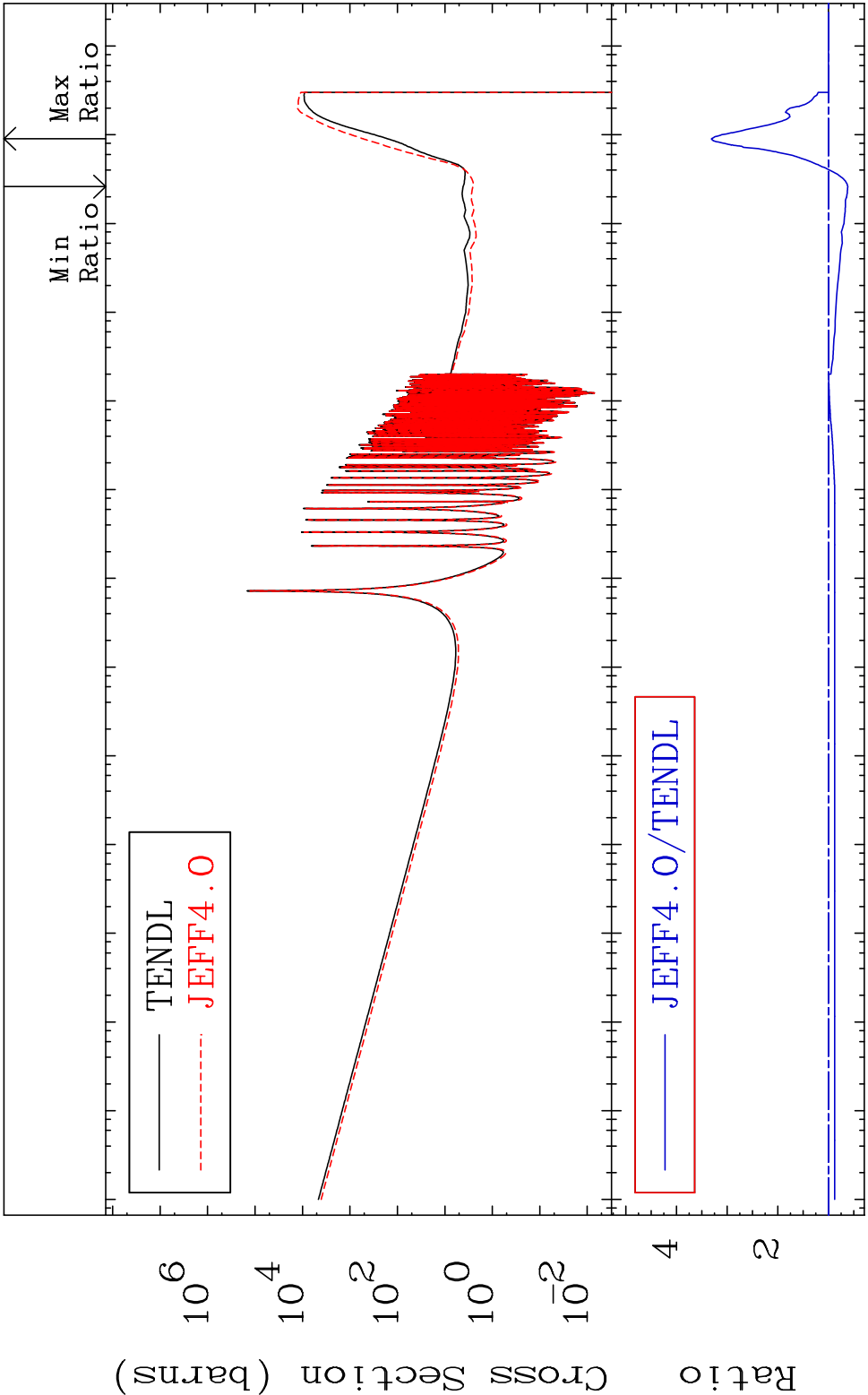
MAT 5231 Dpa elastic (mt2) 52-Te-122
Cross Section -0.767 To 3.813 %



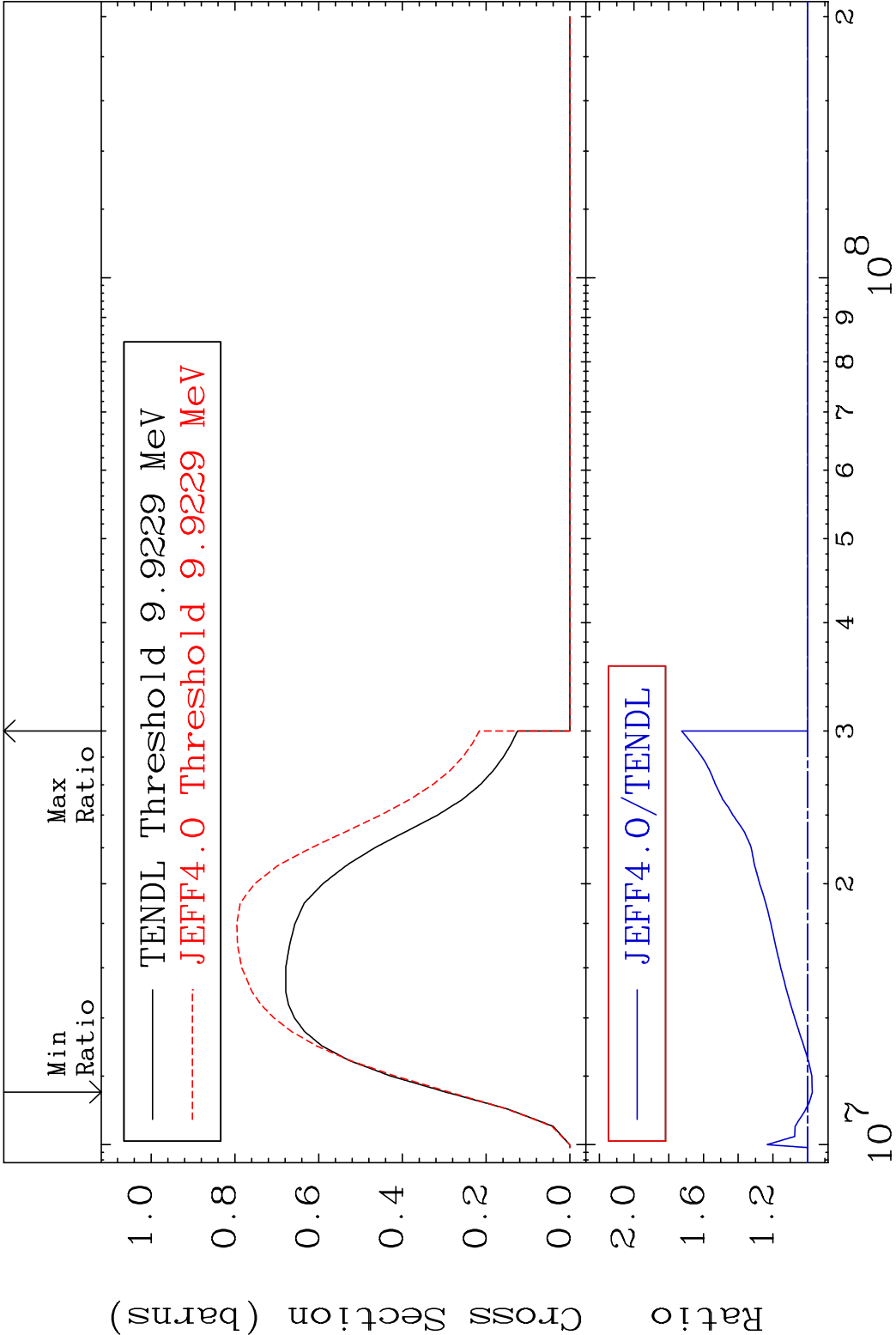
MAT 5231 Dpa inelastic (mt51-91) 52-Te-122
Cross Section 0.000 To 18.87 %

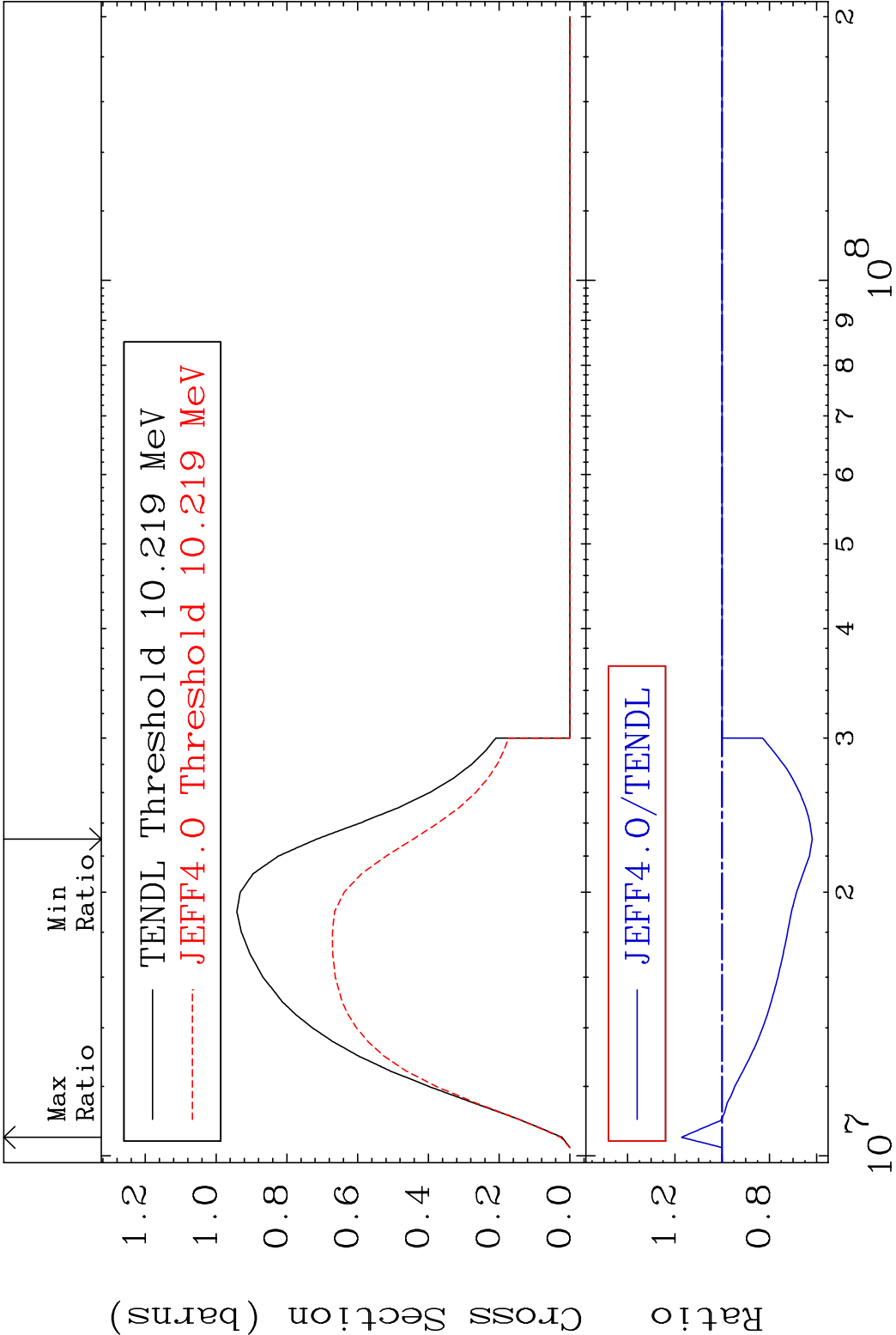


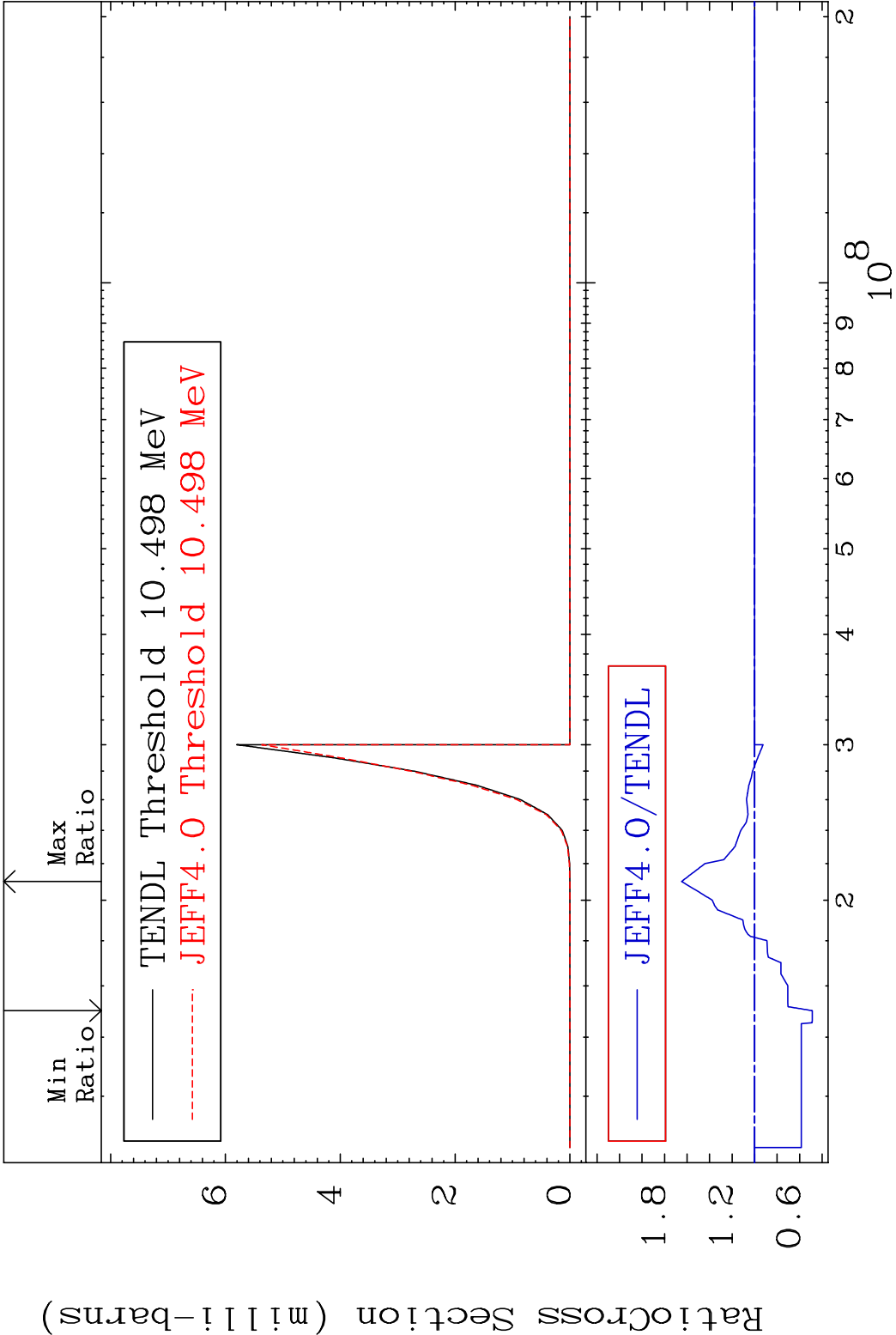
MAT 5231 Dpa disappearance (mt102 -120) 52-Te-122
 Cross Section -37.94 To 231.4 %

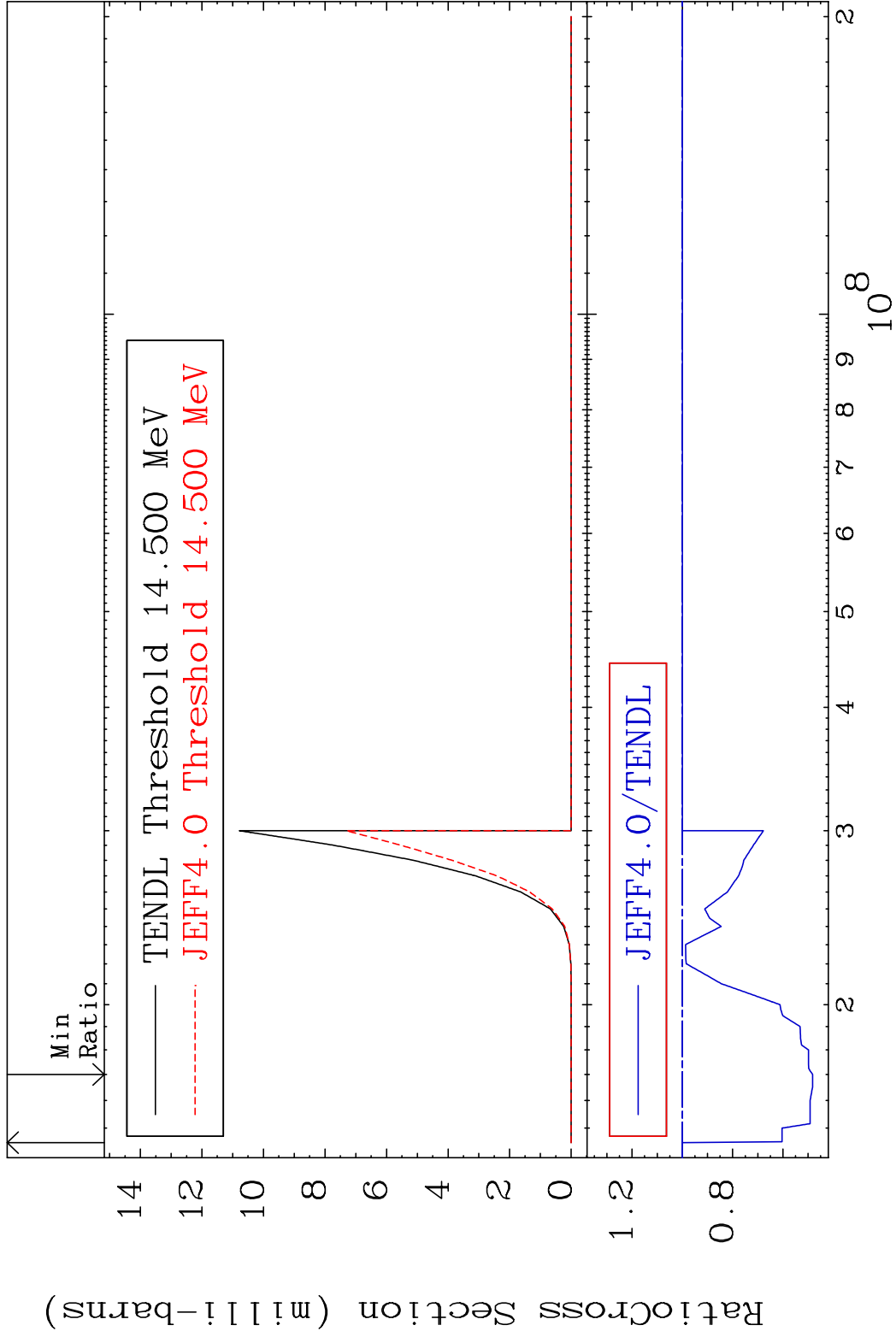


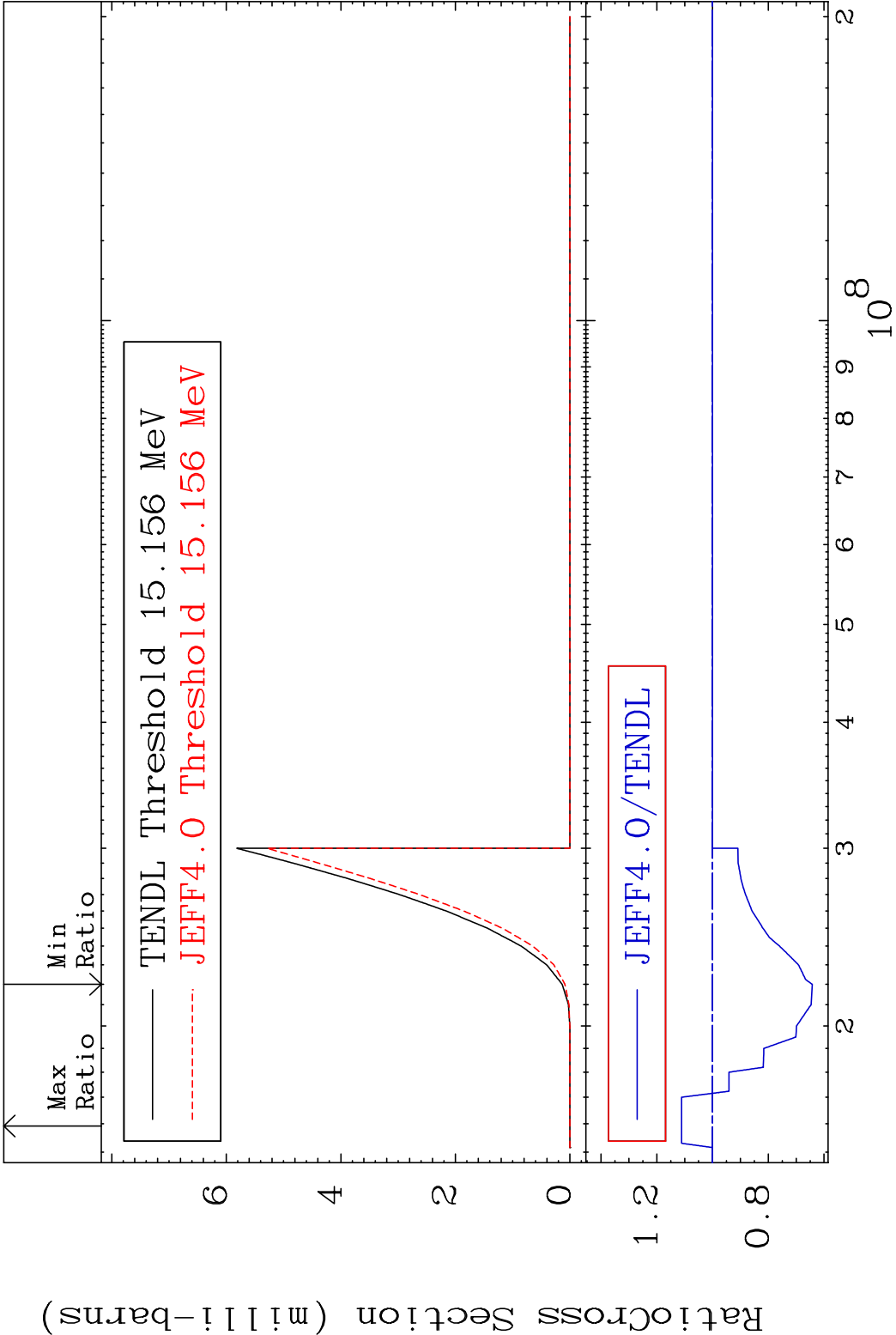
79 Incident Energy (eV) 52-Te-122

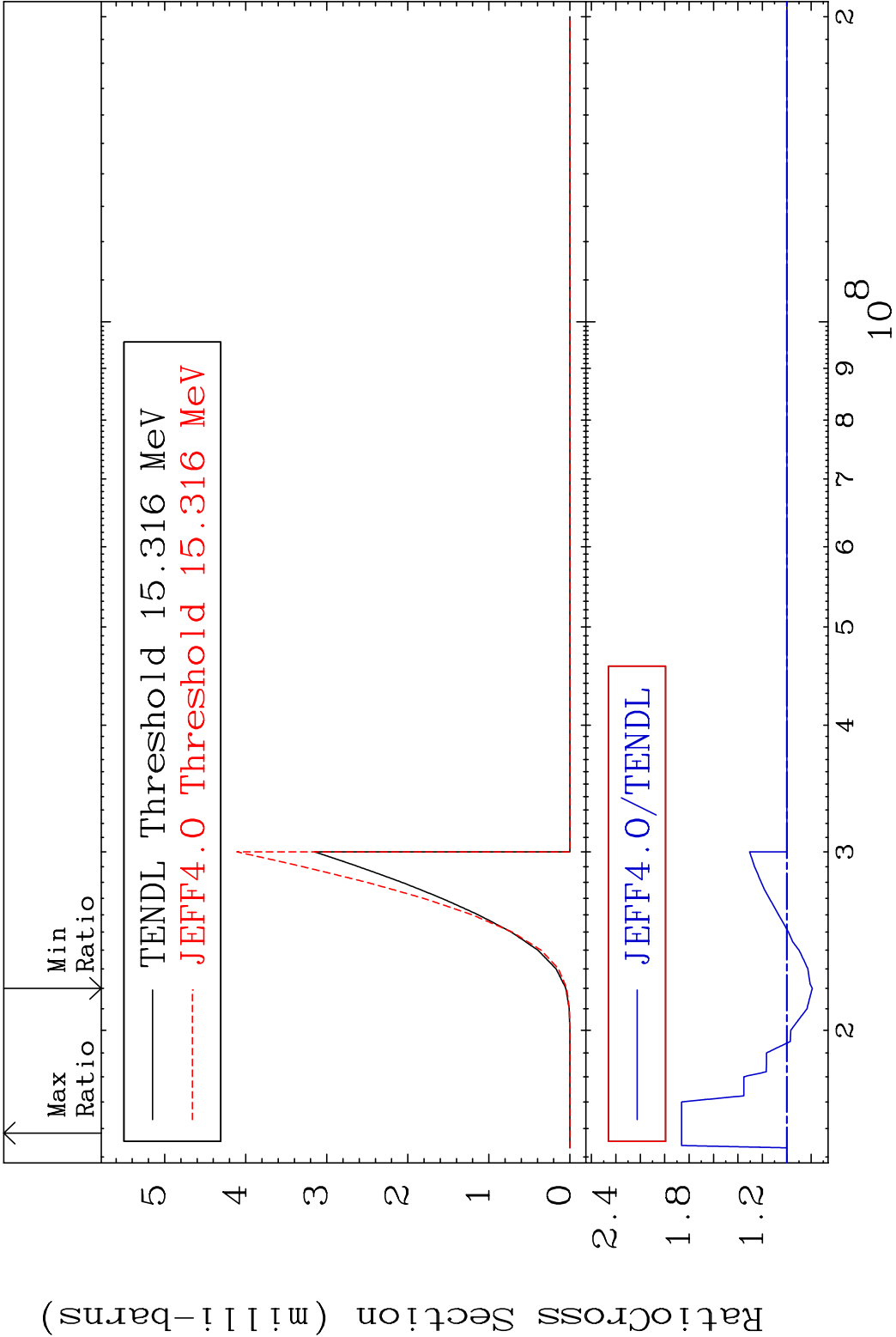


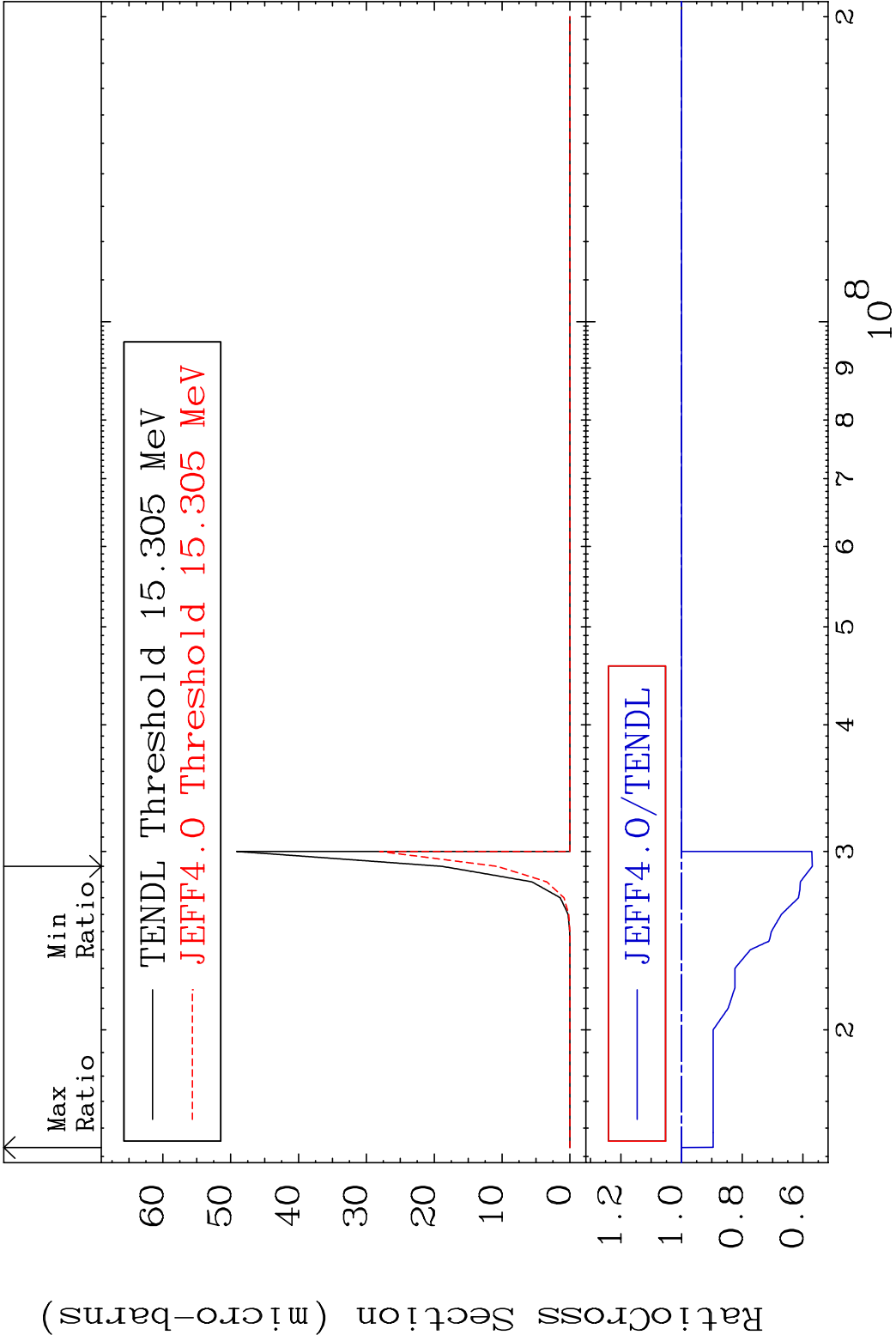


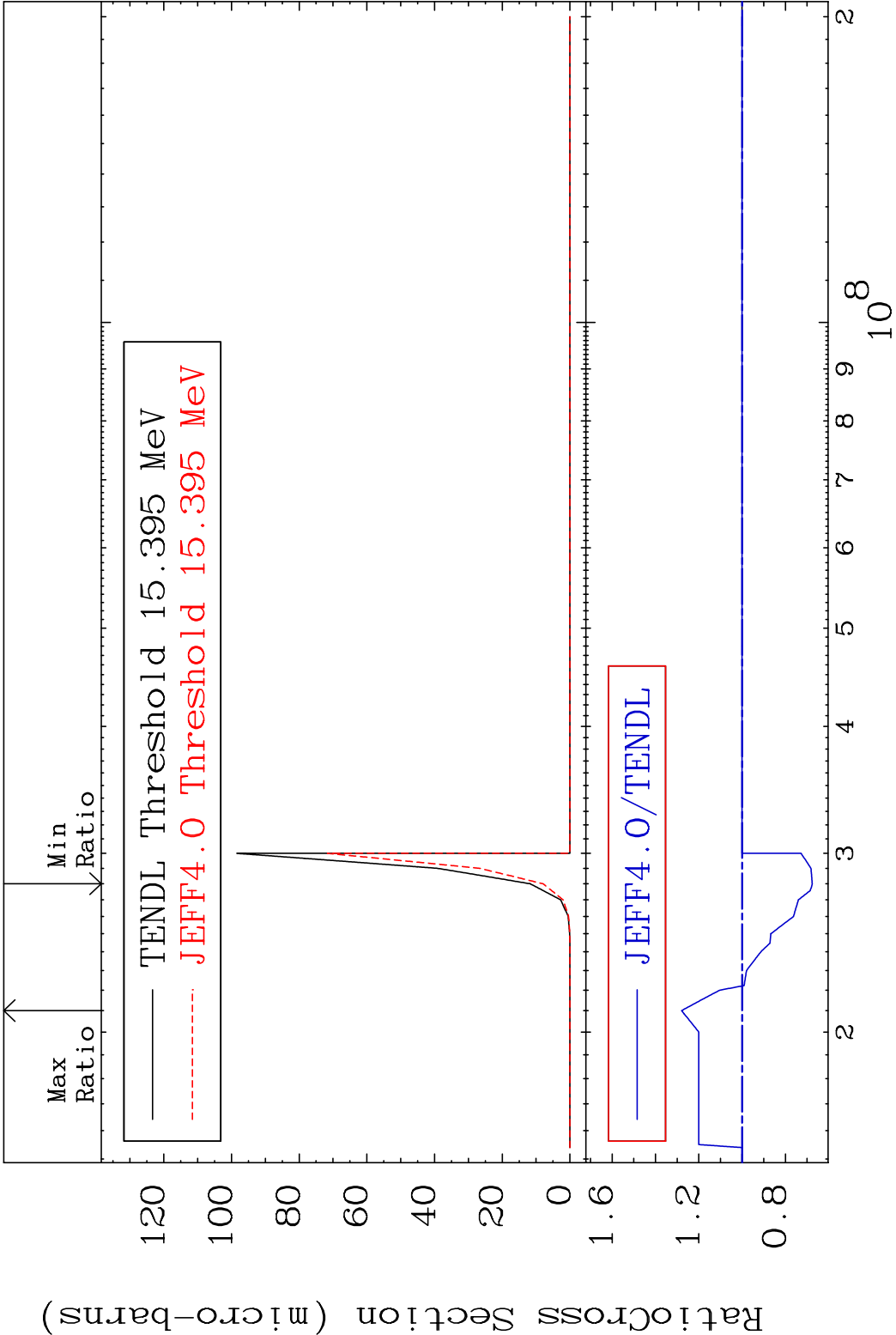


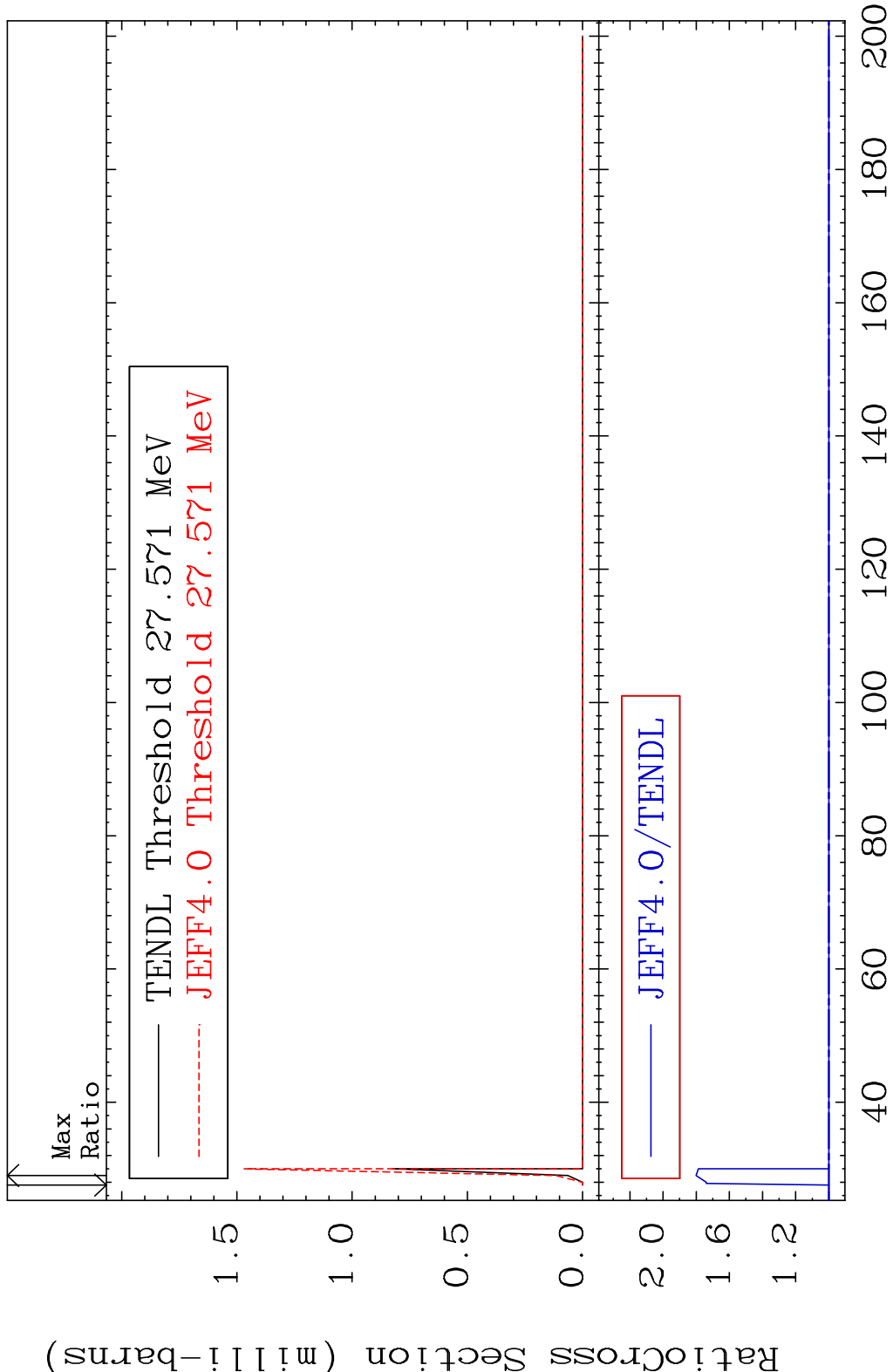


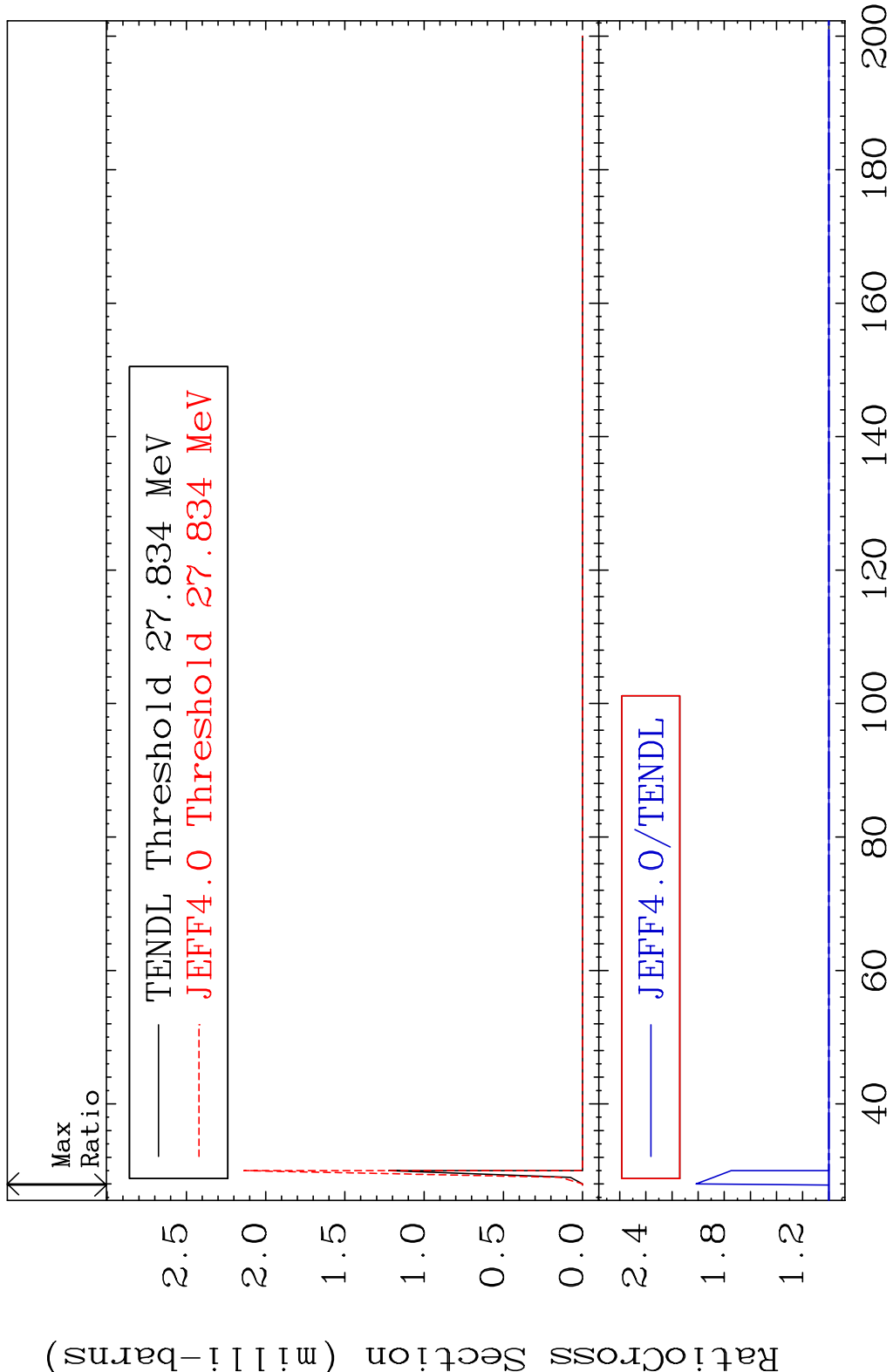


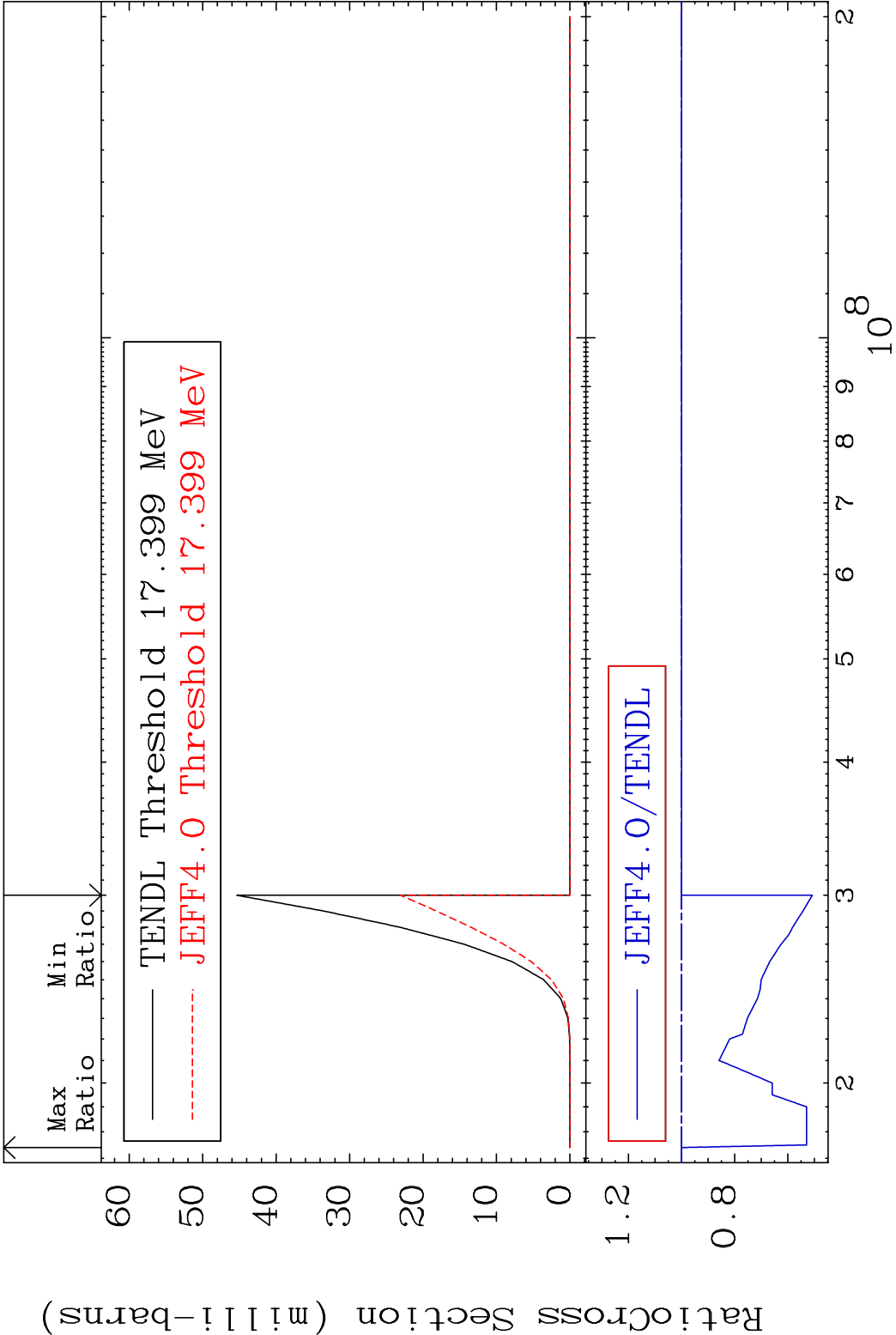


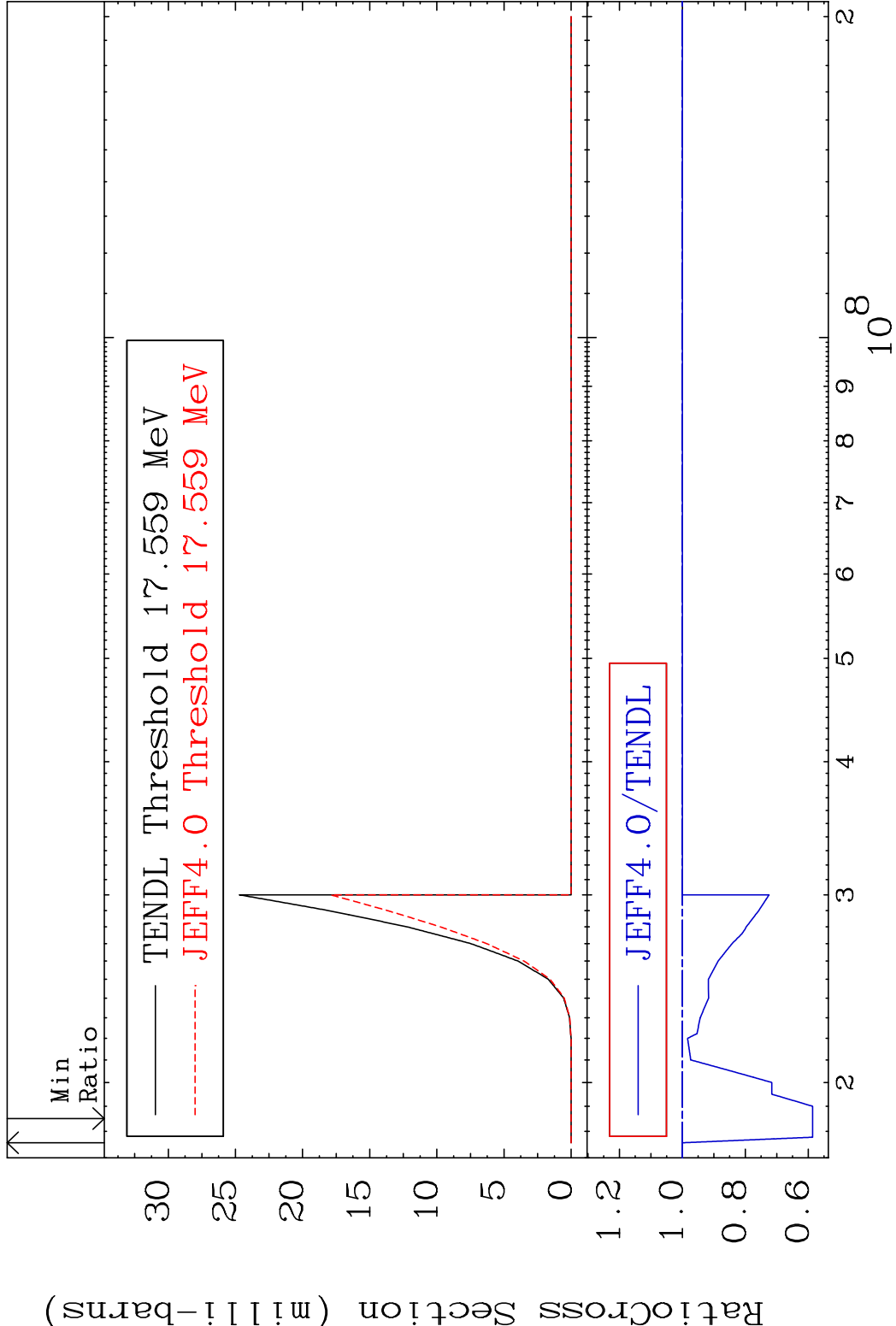


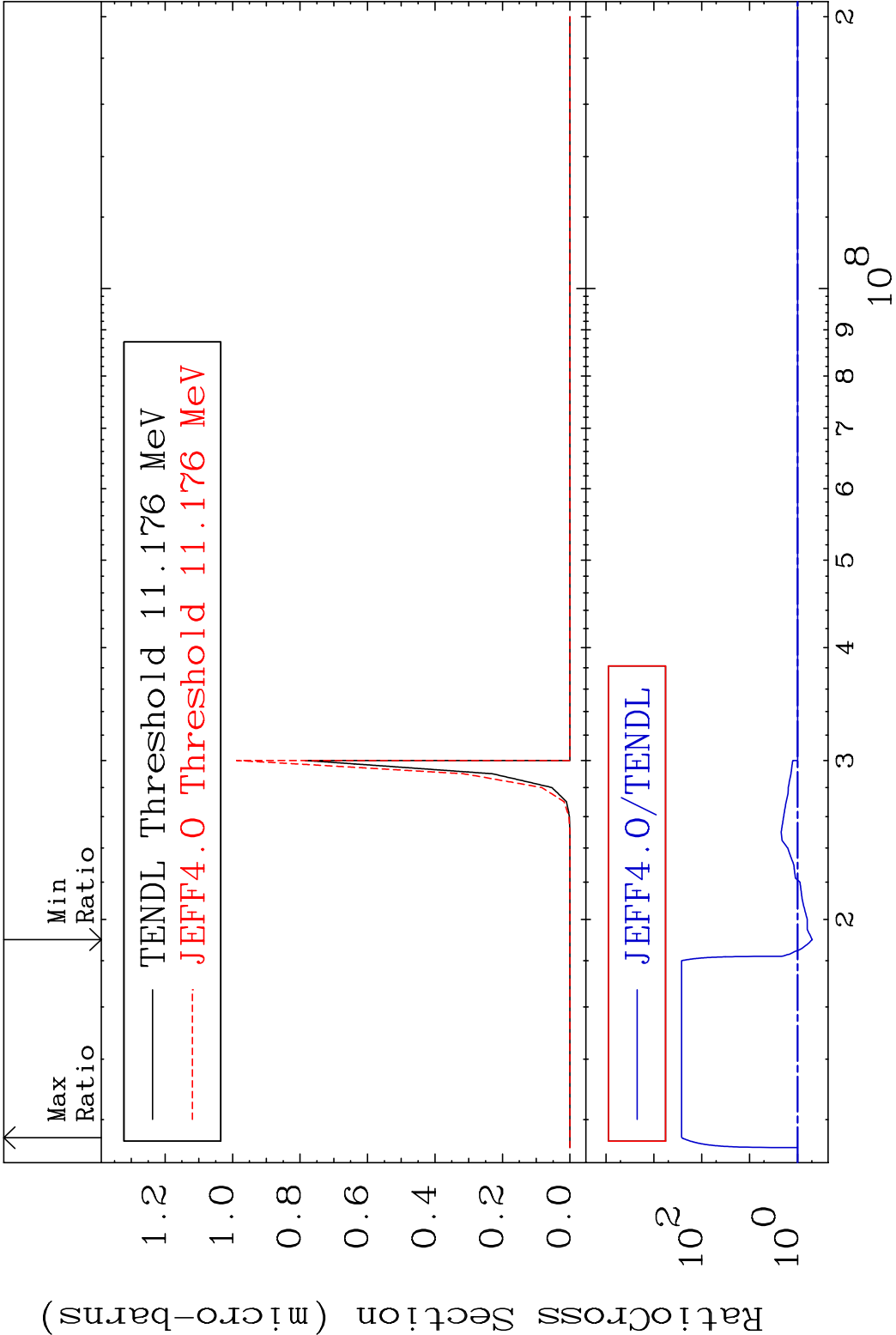


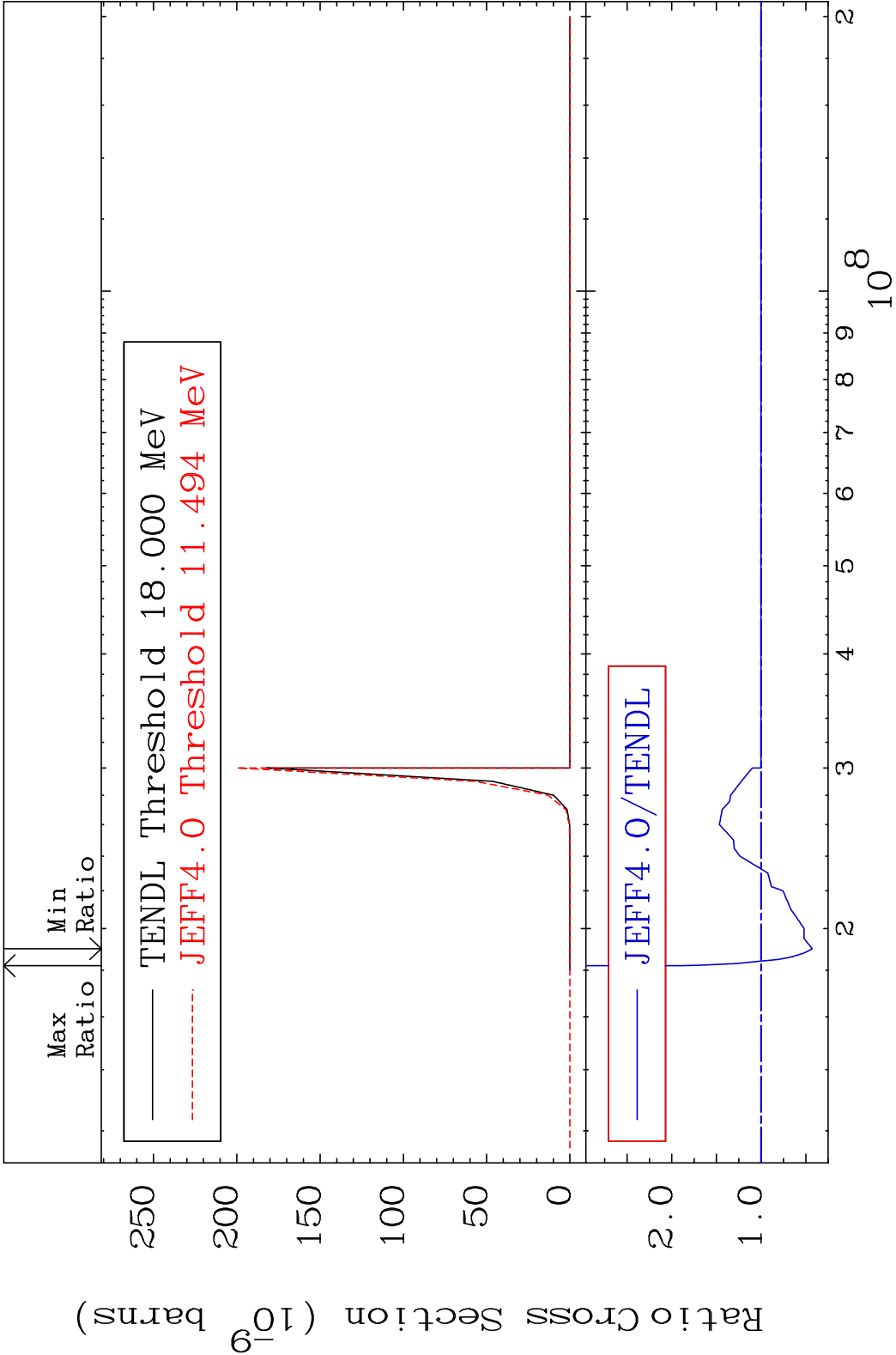












Radionuclide Production Cross Section 198.6 %

