

Program Complot
(Version 2021-1)

by

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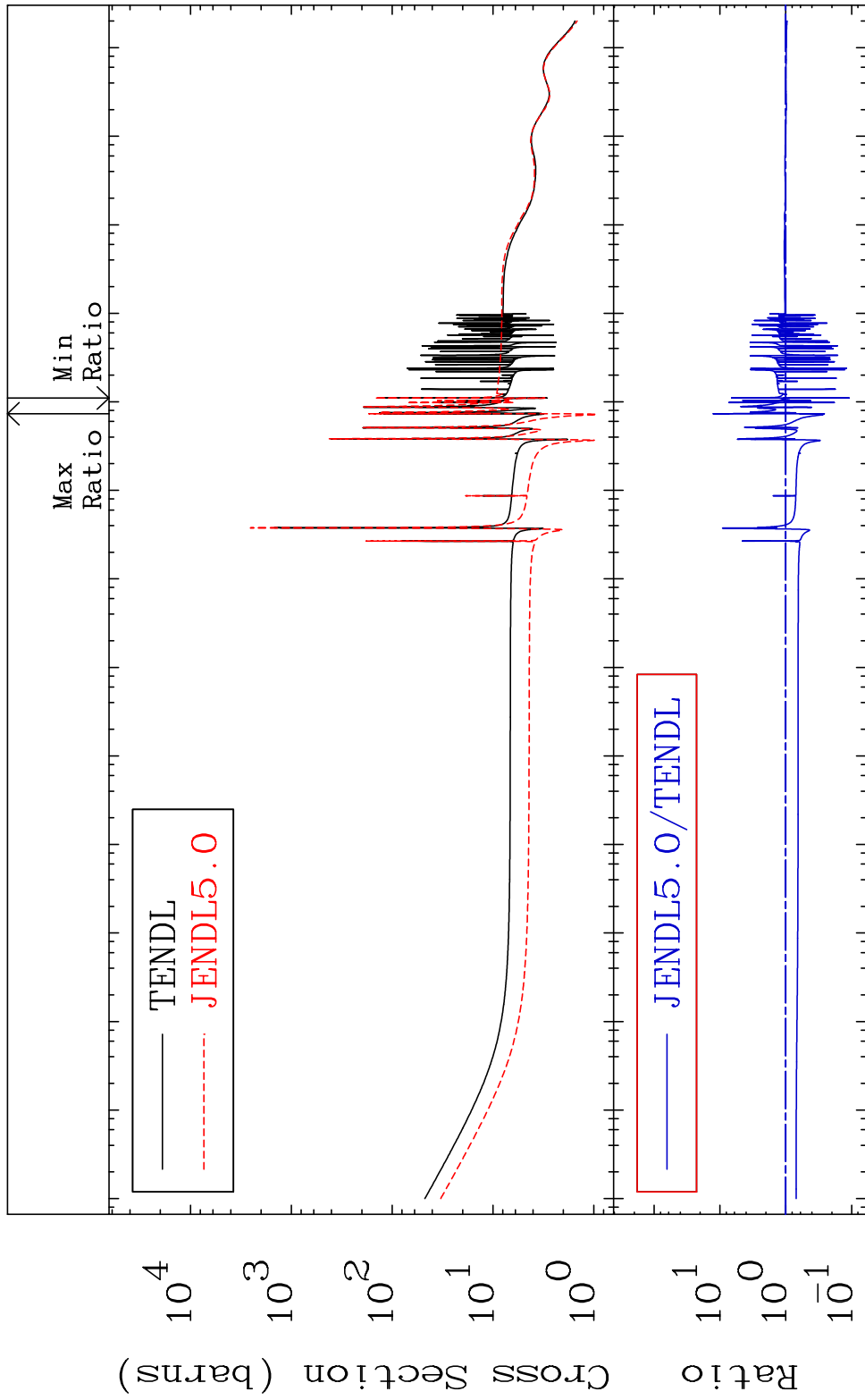
Press Mouse Button to Start

MAT 3731

Total

37-Rb-87

Cross Section -89.14 To 1166. %



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

1

Incident Energy (eV)

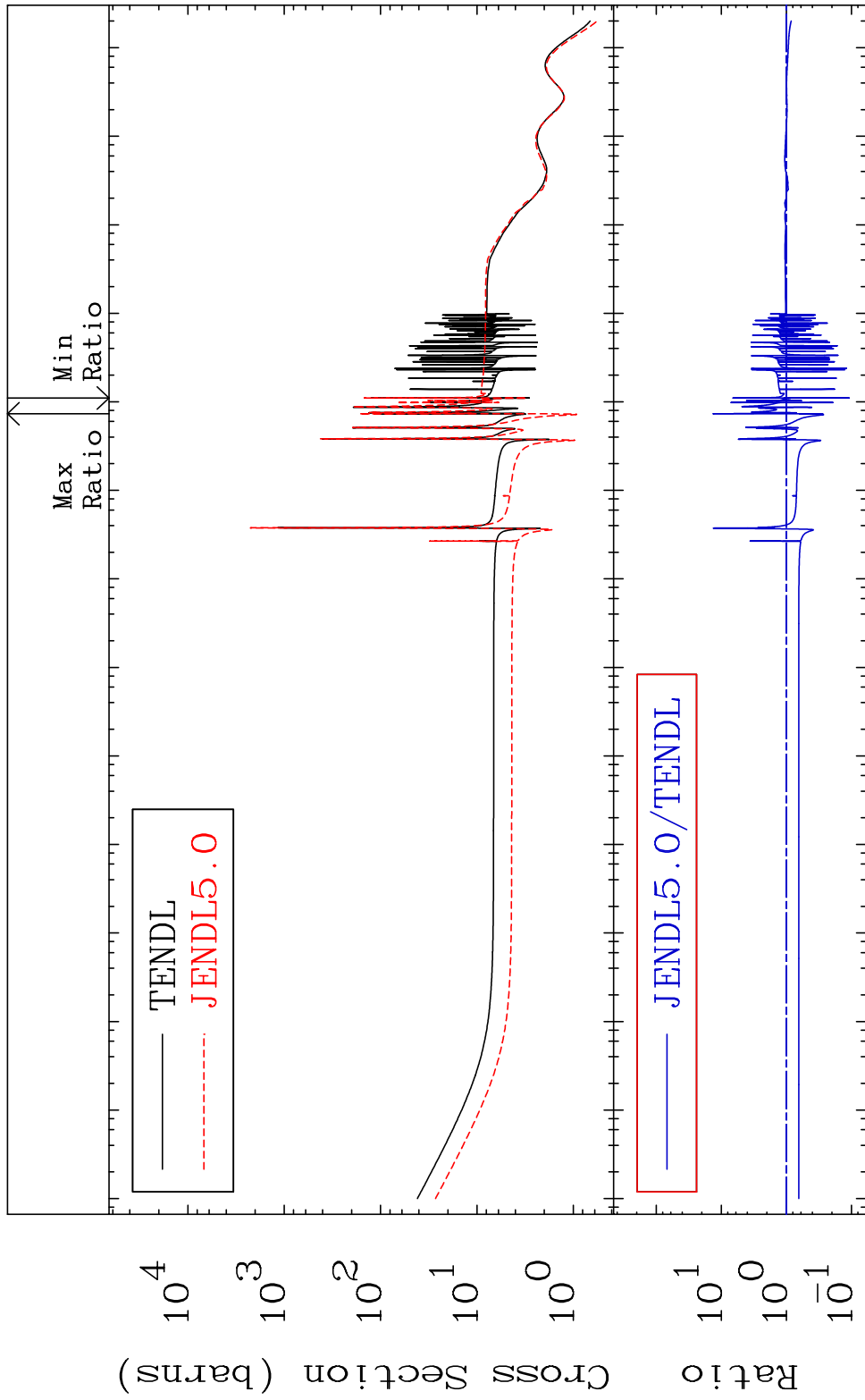
37-Rb-87

MAT 3731

Elastic

37-Rb-87

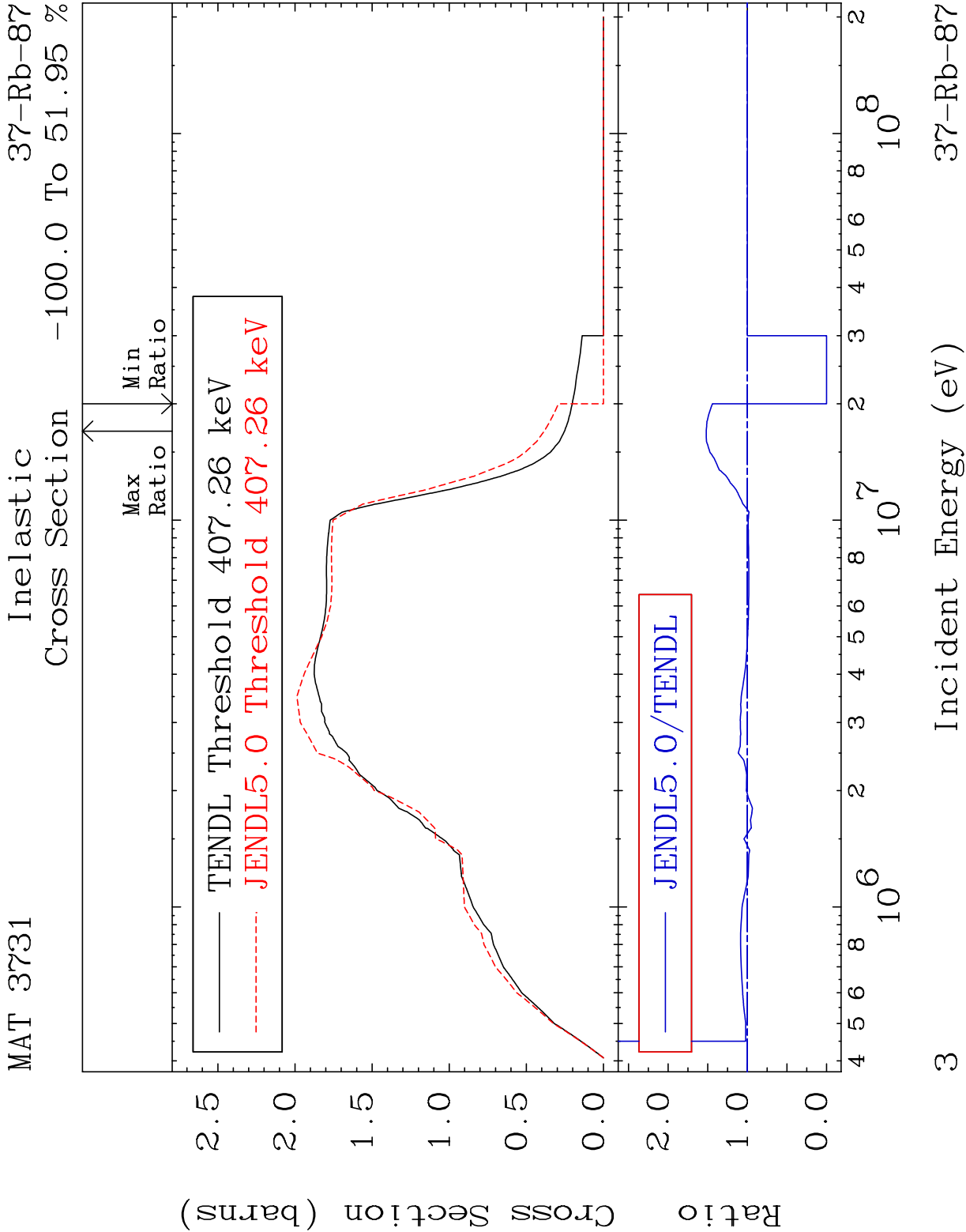
Cross Section -89.16 To 1238. %

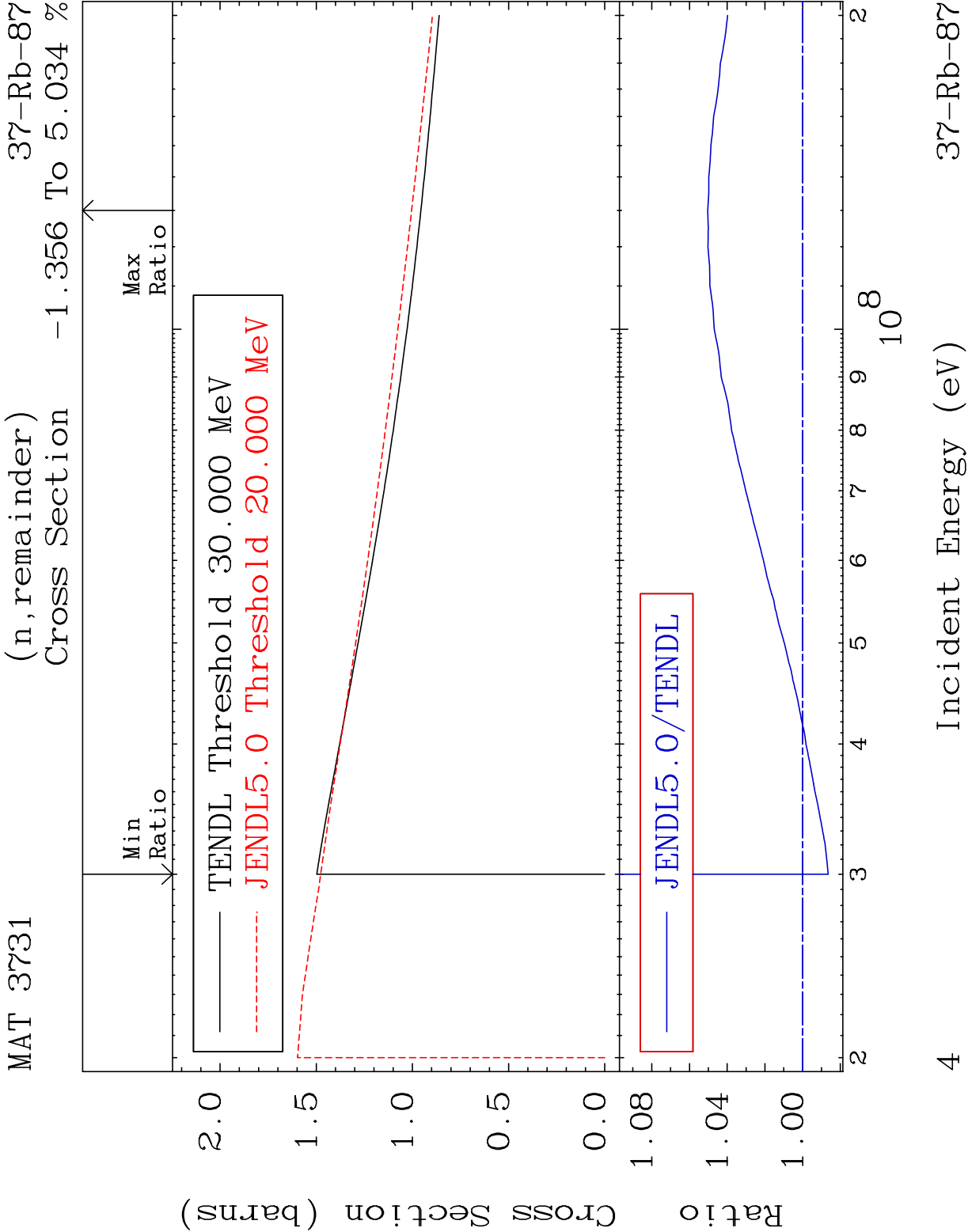


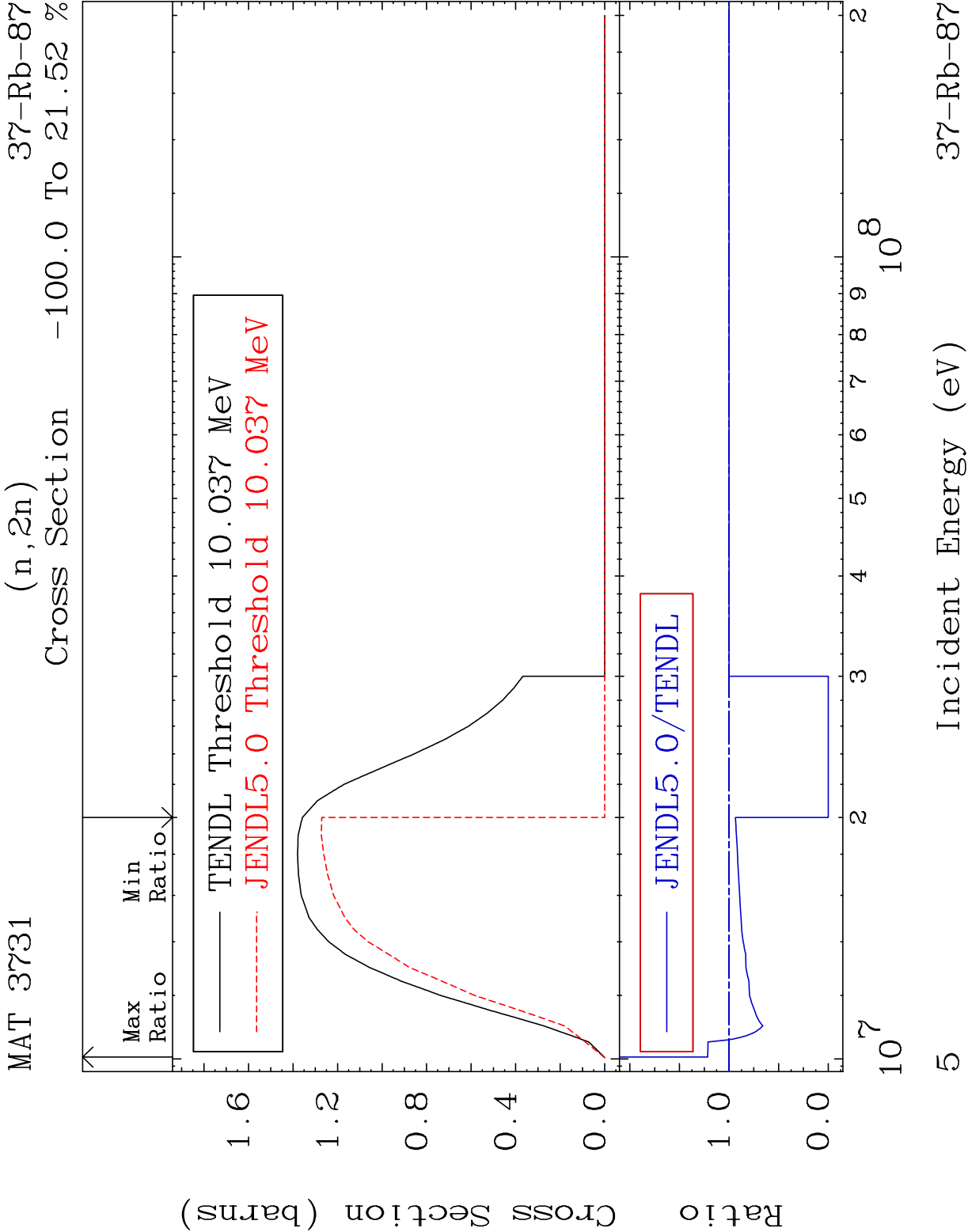
2

Incident Energy (eV)

37-Rb-87





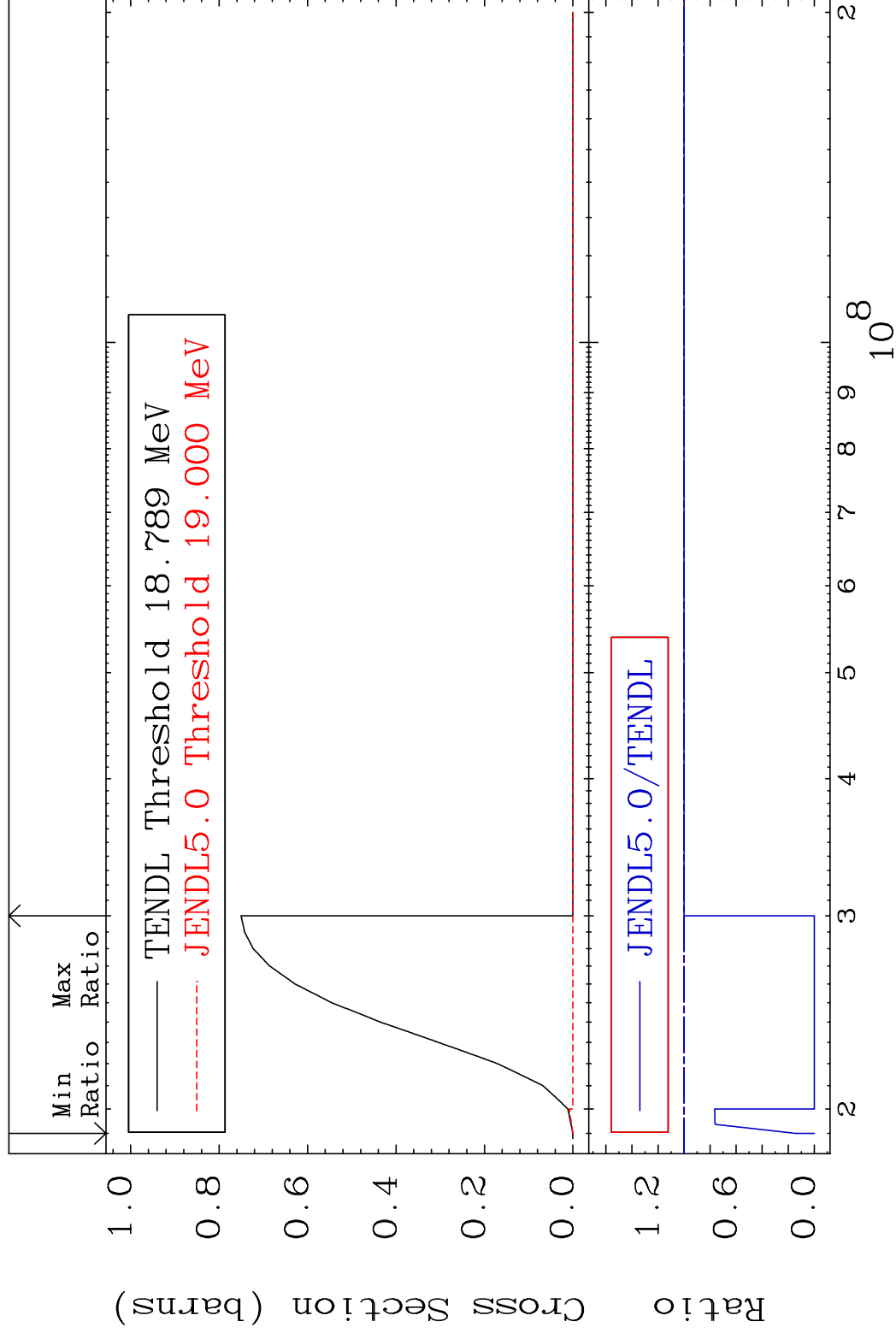


MAT 3731

$$(n, 3n)$$

37-Rb-87

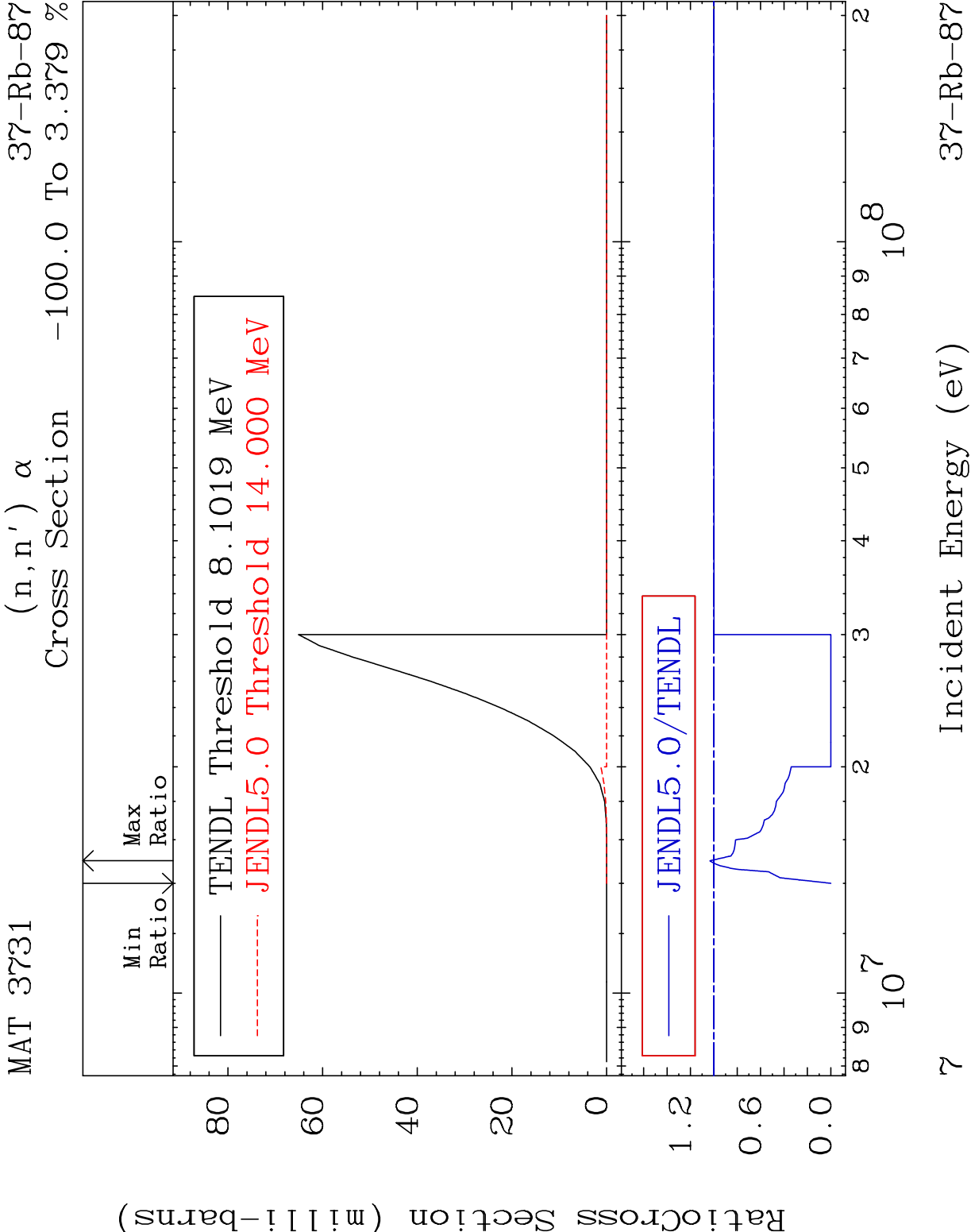
Cross Section

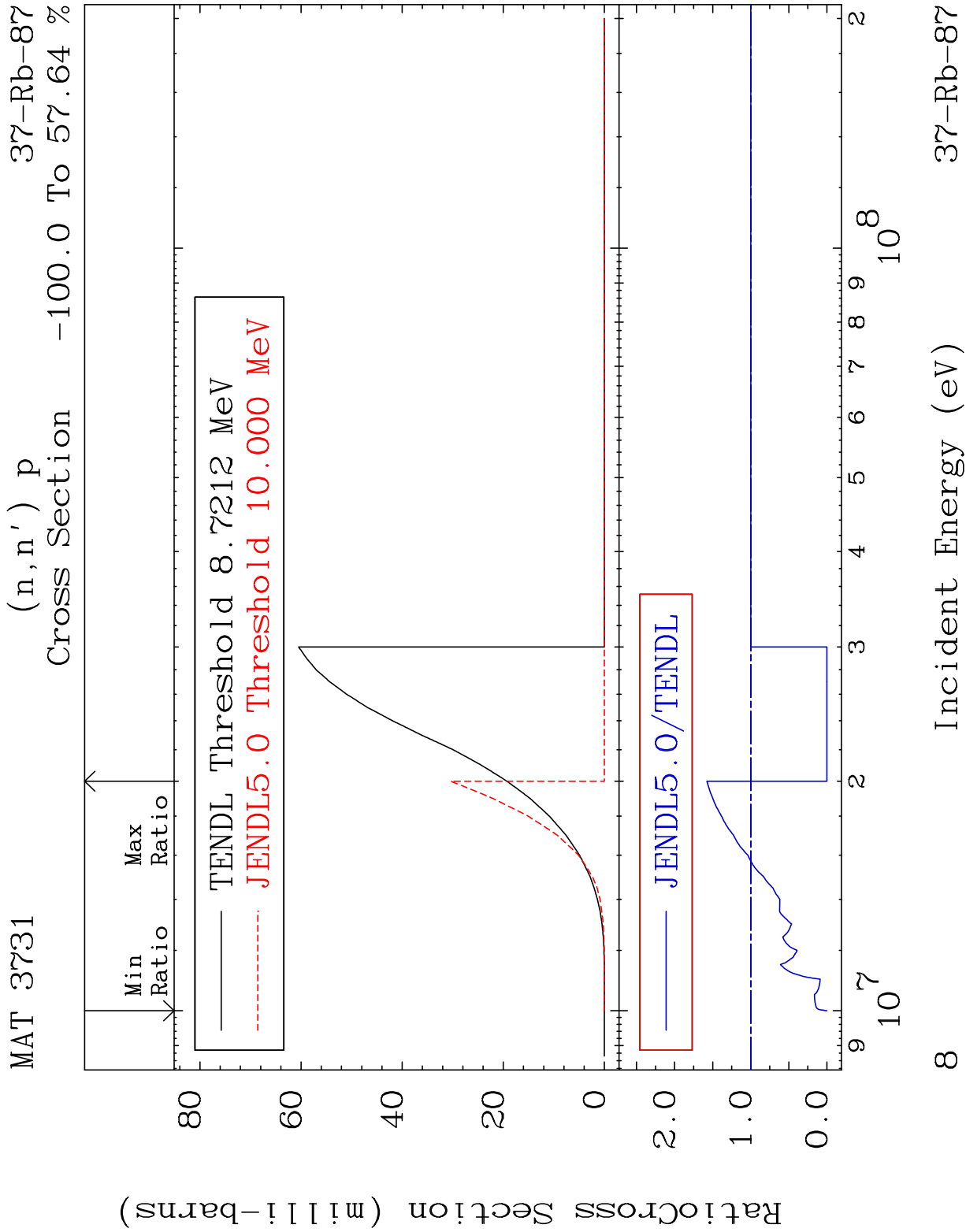


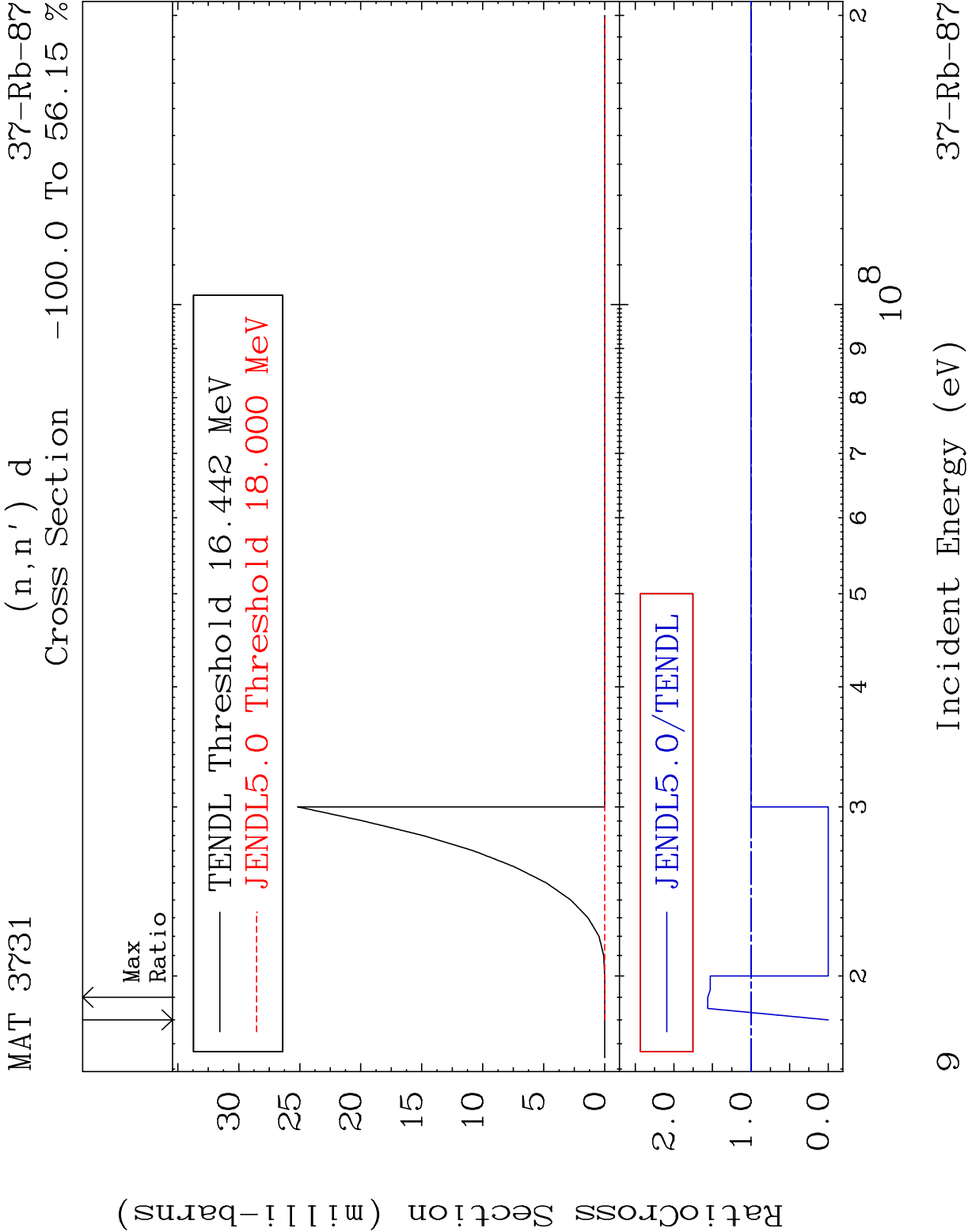
9

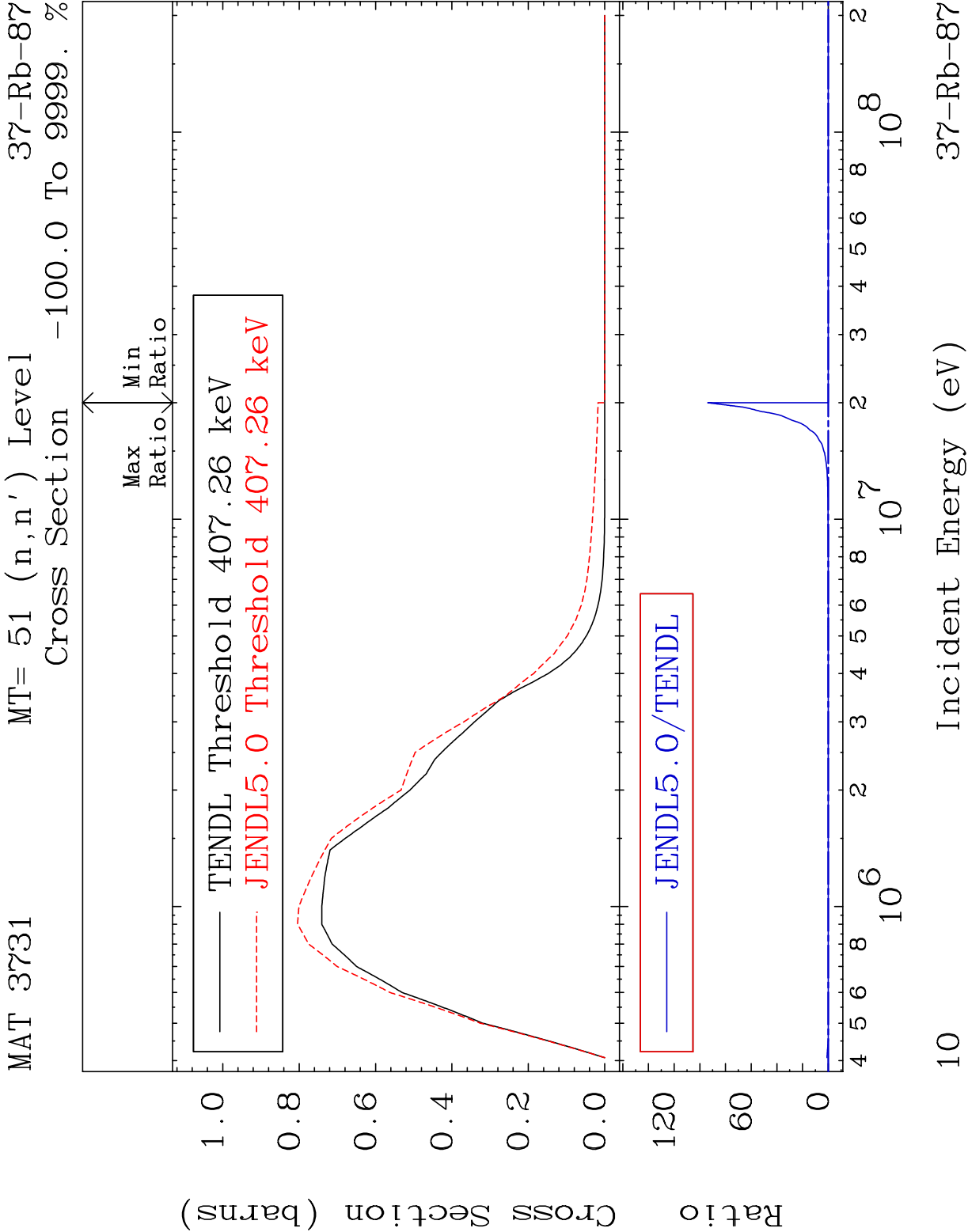
Incident Energy (eV)

37-Rb-87



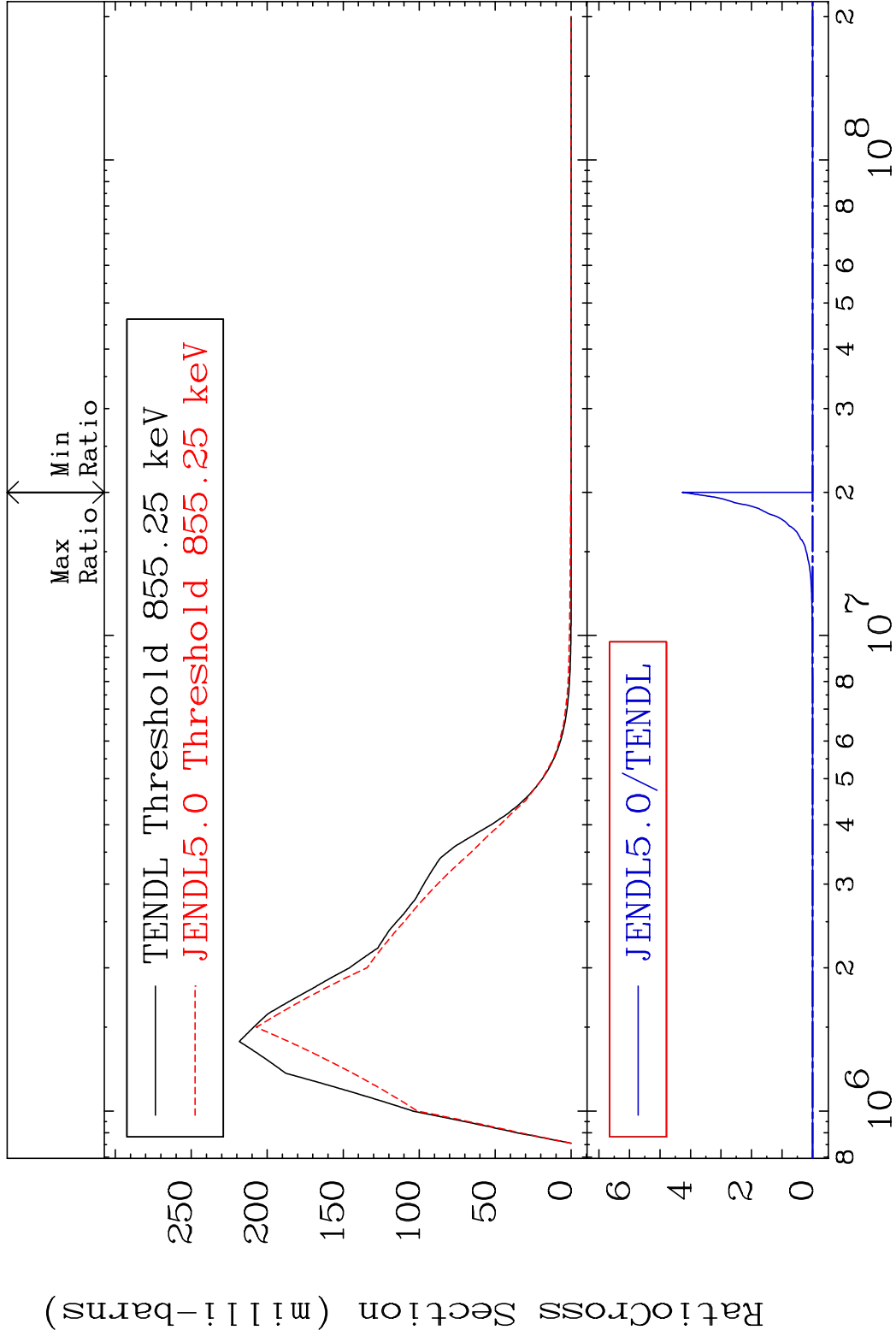




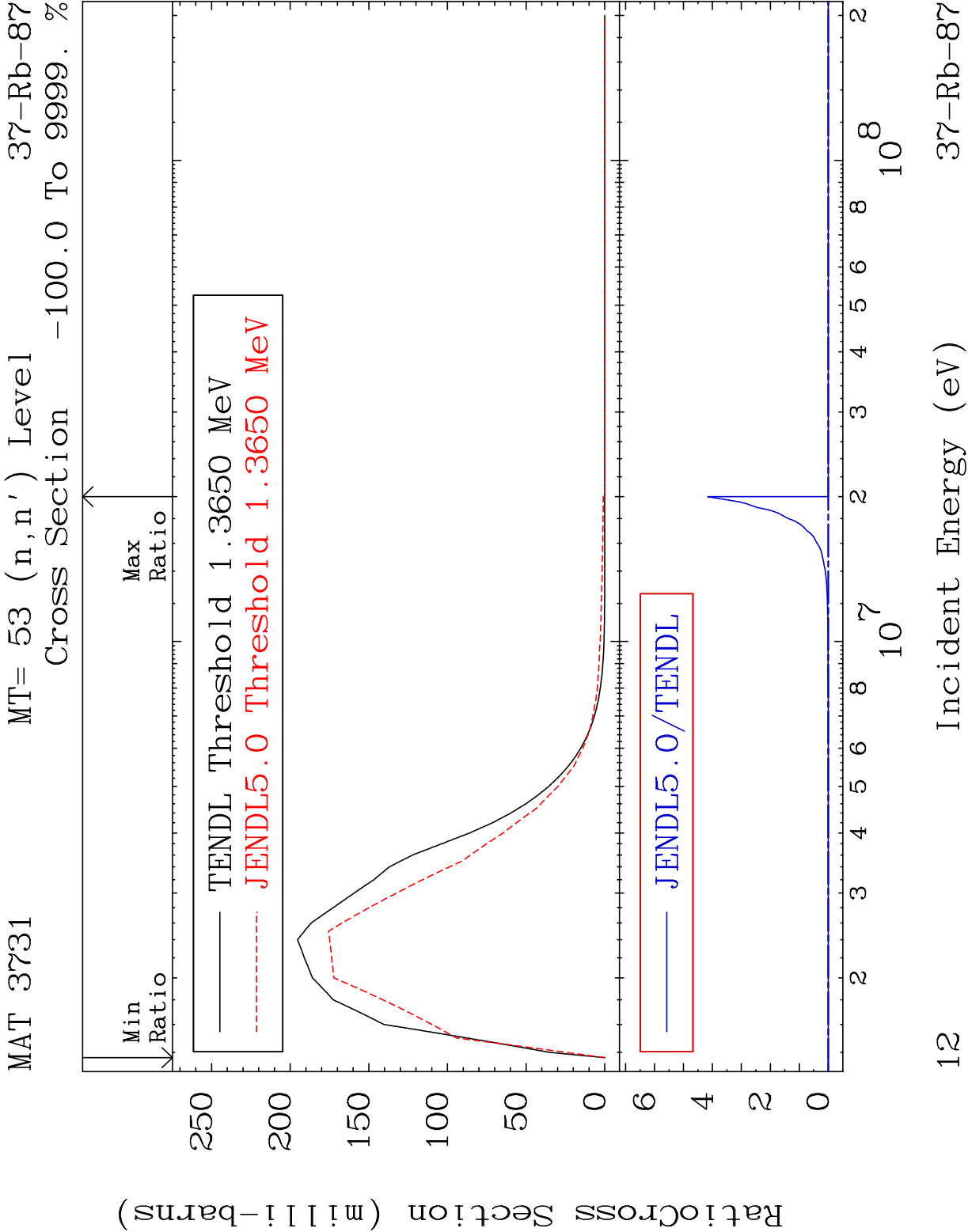


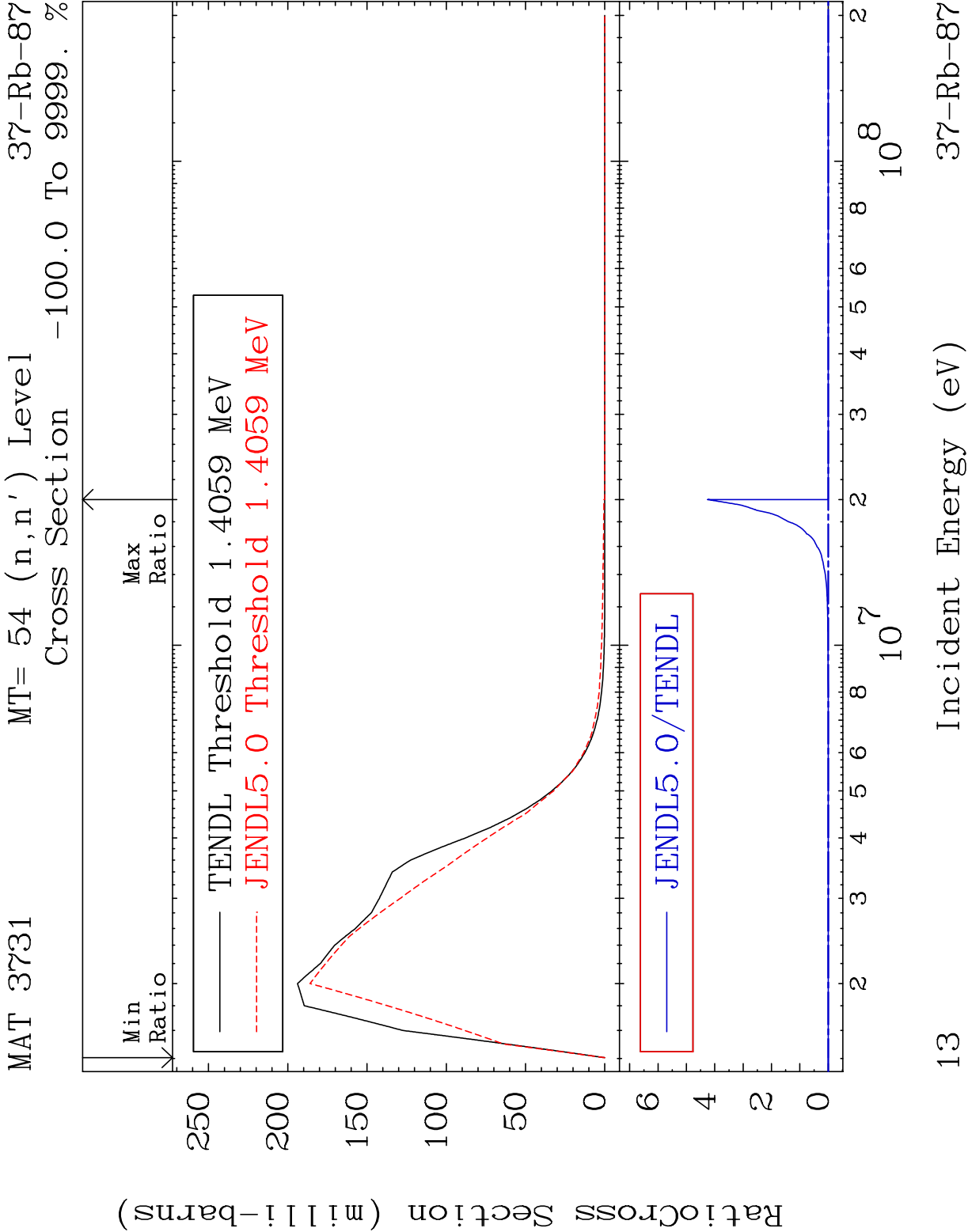
MAT 3731 MT= 52 (n,n') Level 37-Rb-87

Cross Section -100.0 To 9999. %



11 Incident Energy (eV) 37-Rb-87



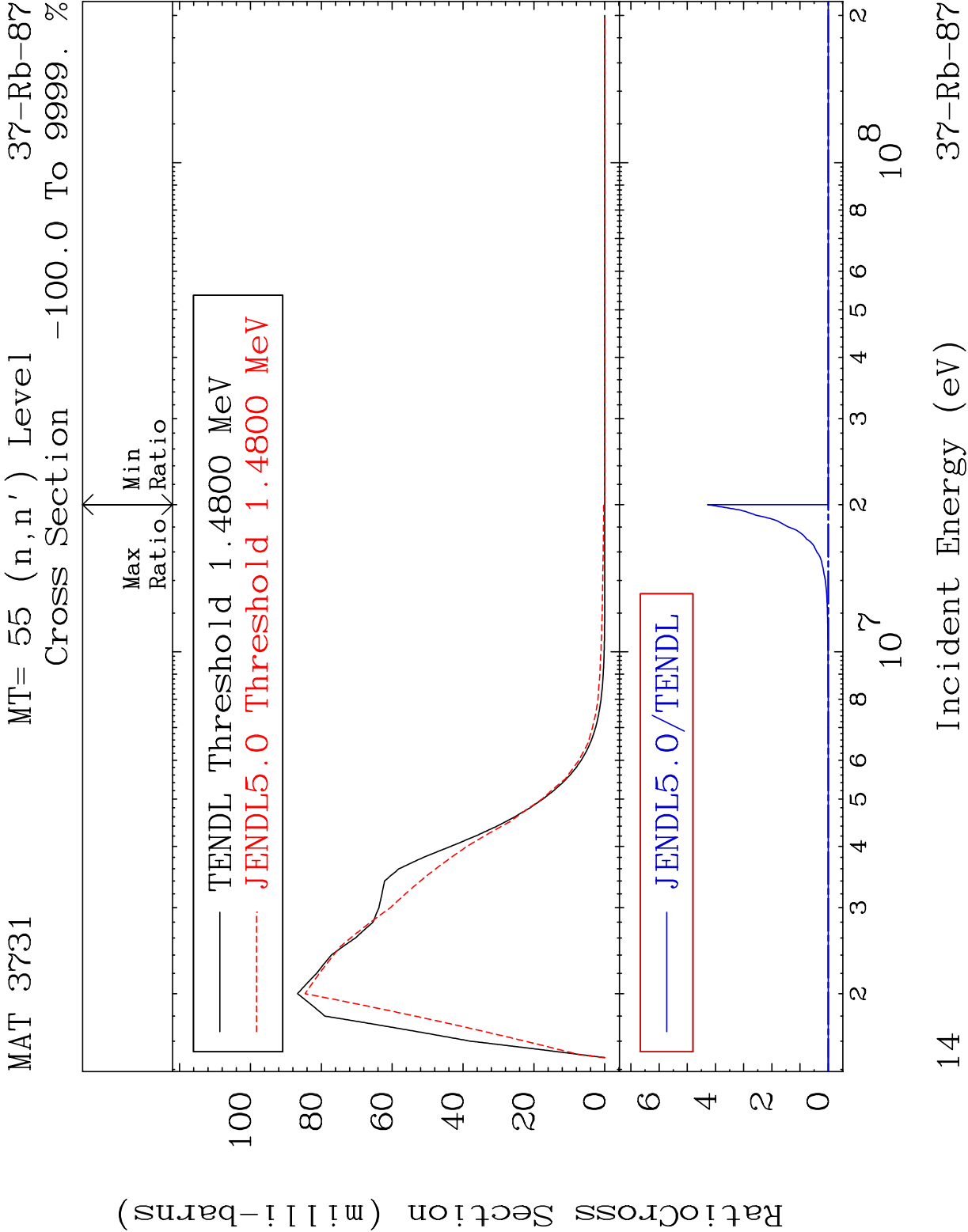


RatioCross Section (millibarns)

TENDL Threshold 1.4059 MeV

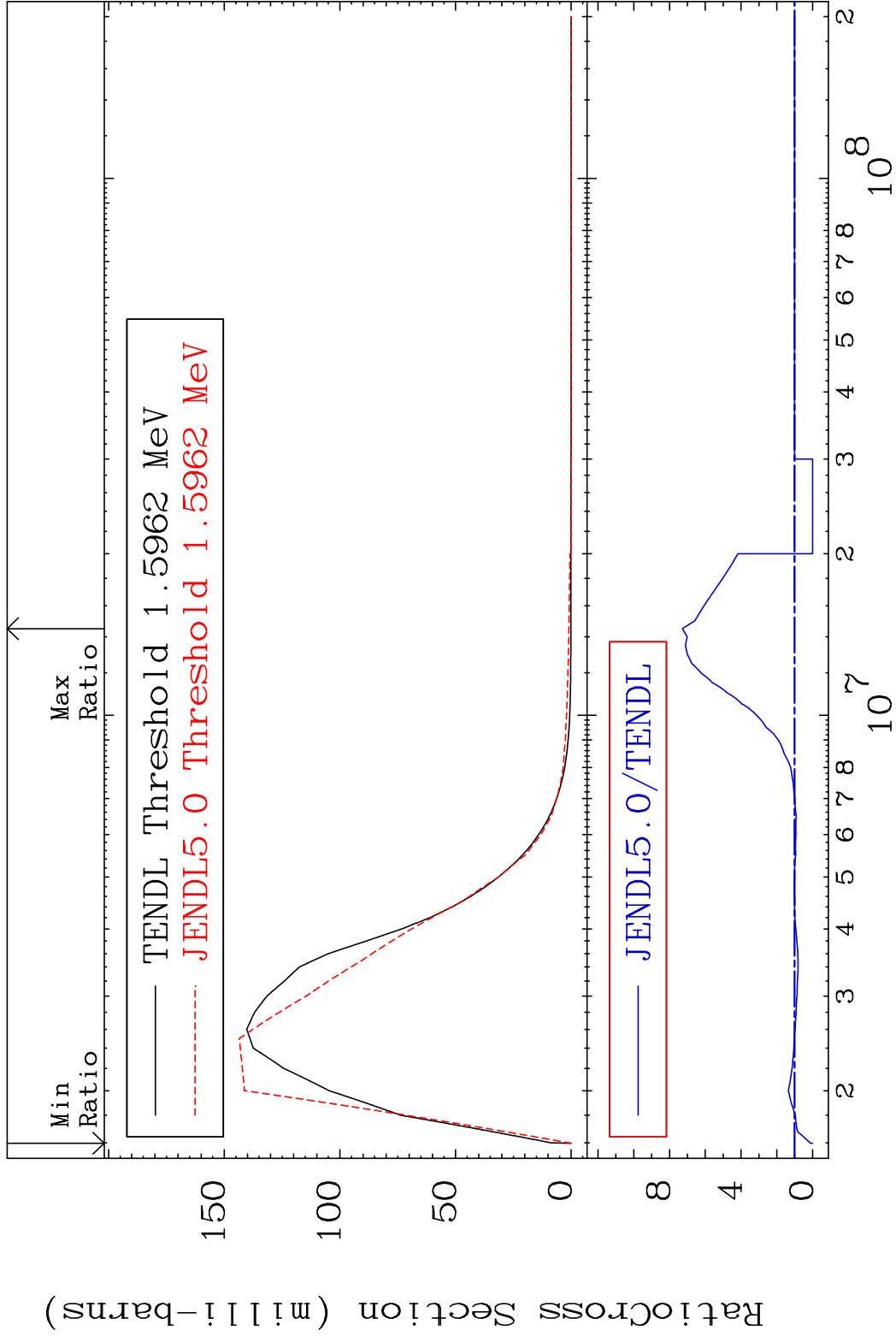
JENDL5.0 Threshold 1.4059 MeV

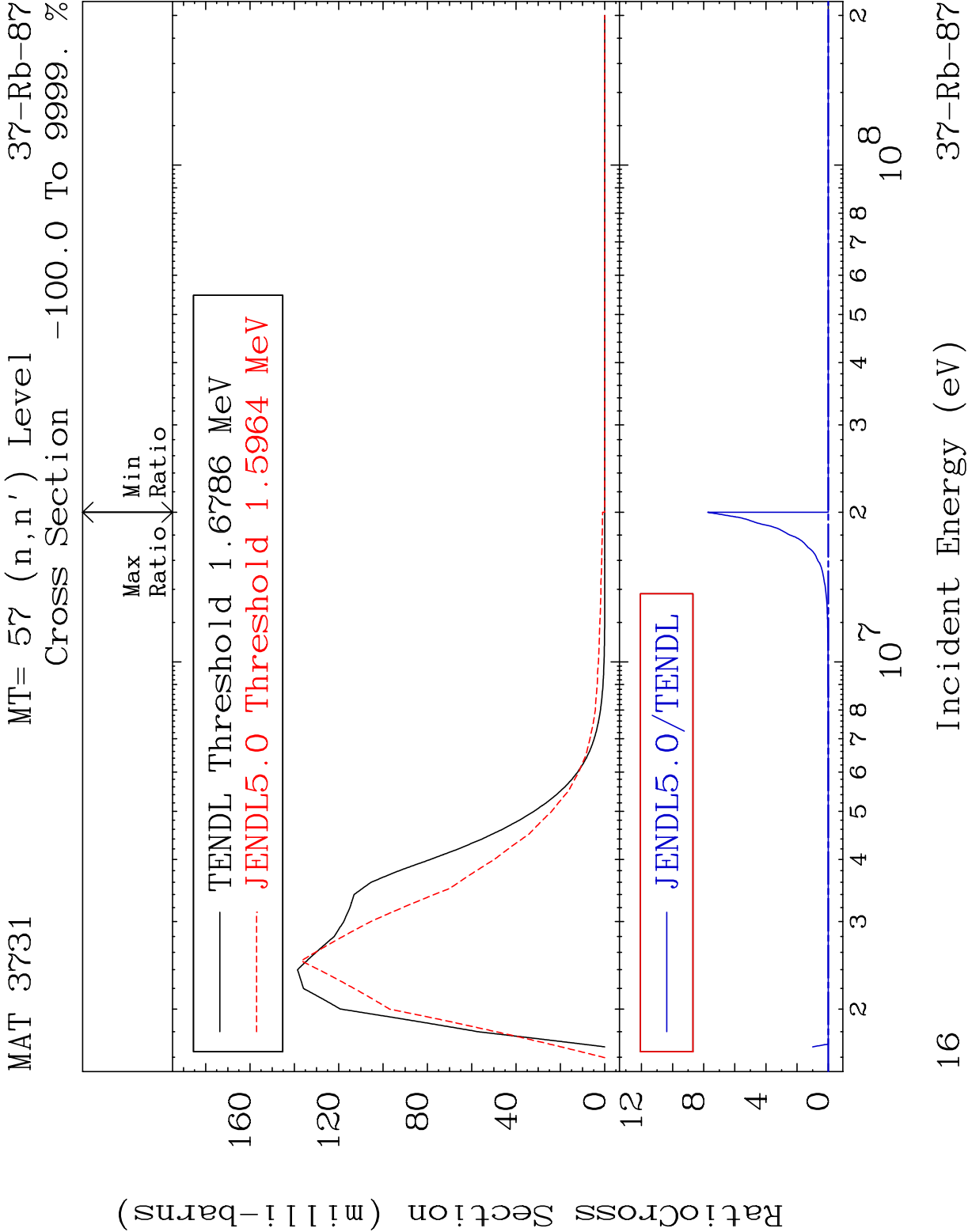
JENDL5.0/TENDL



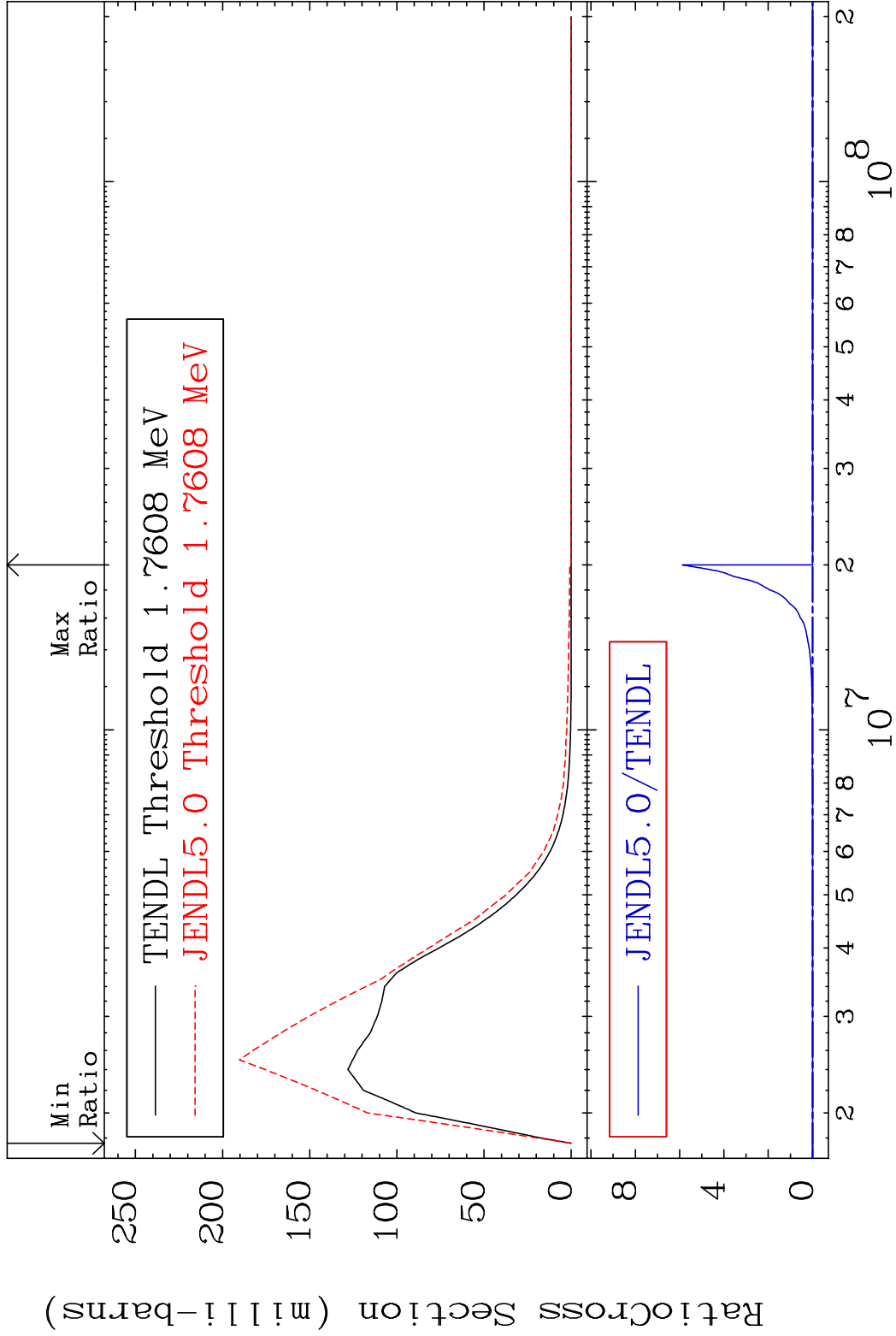
MAT 3731 MT= 56 (n,n') Level 37-Rb-87

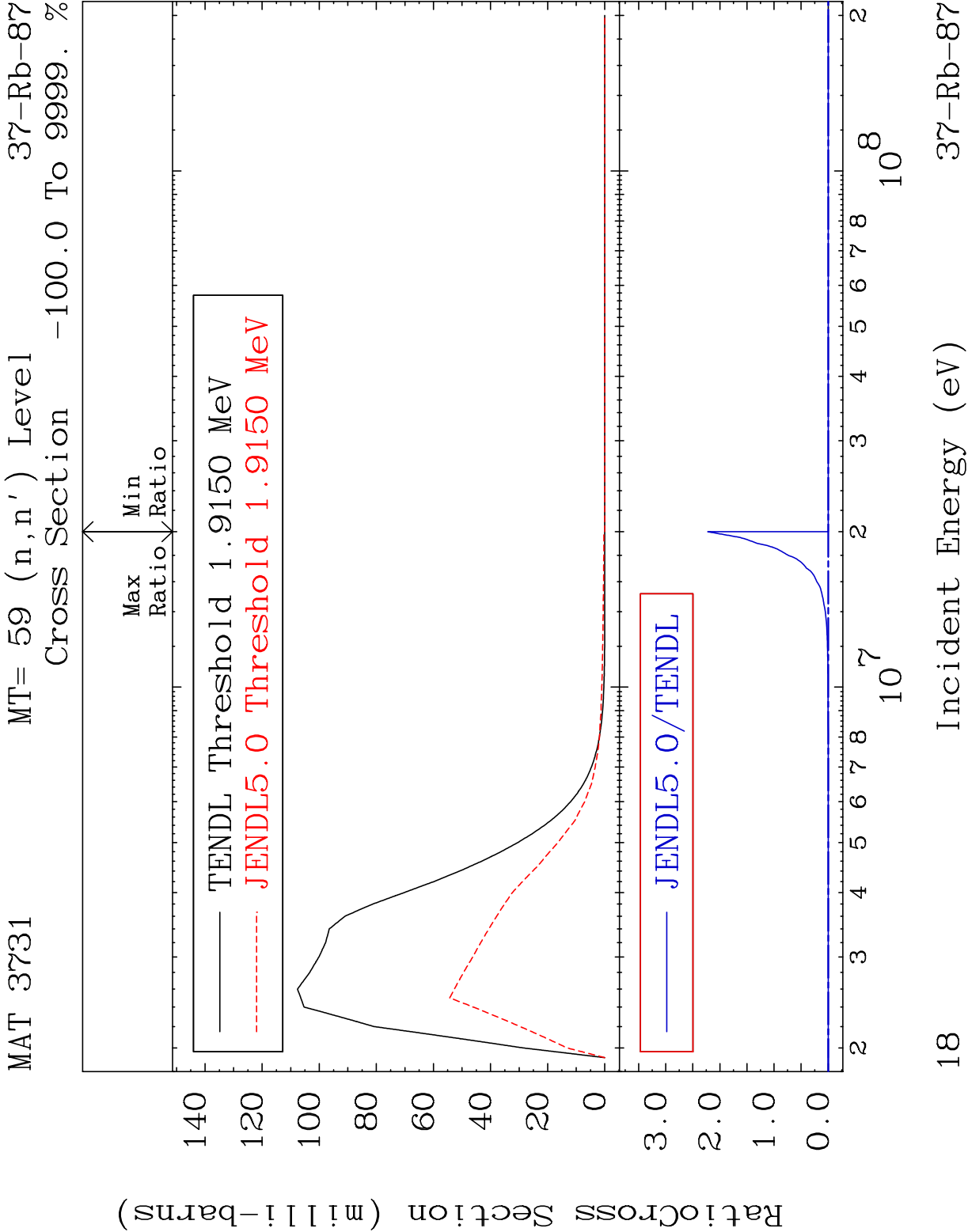
Cross Section -100.0 To 628.2 %





MAT 3731 MT= 58 (n,n') Level 37-Rb-87
Cross Section -100.0 To 9999. %



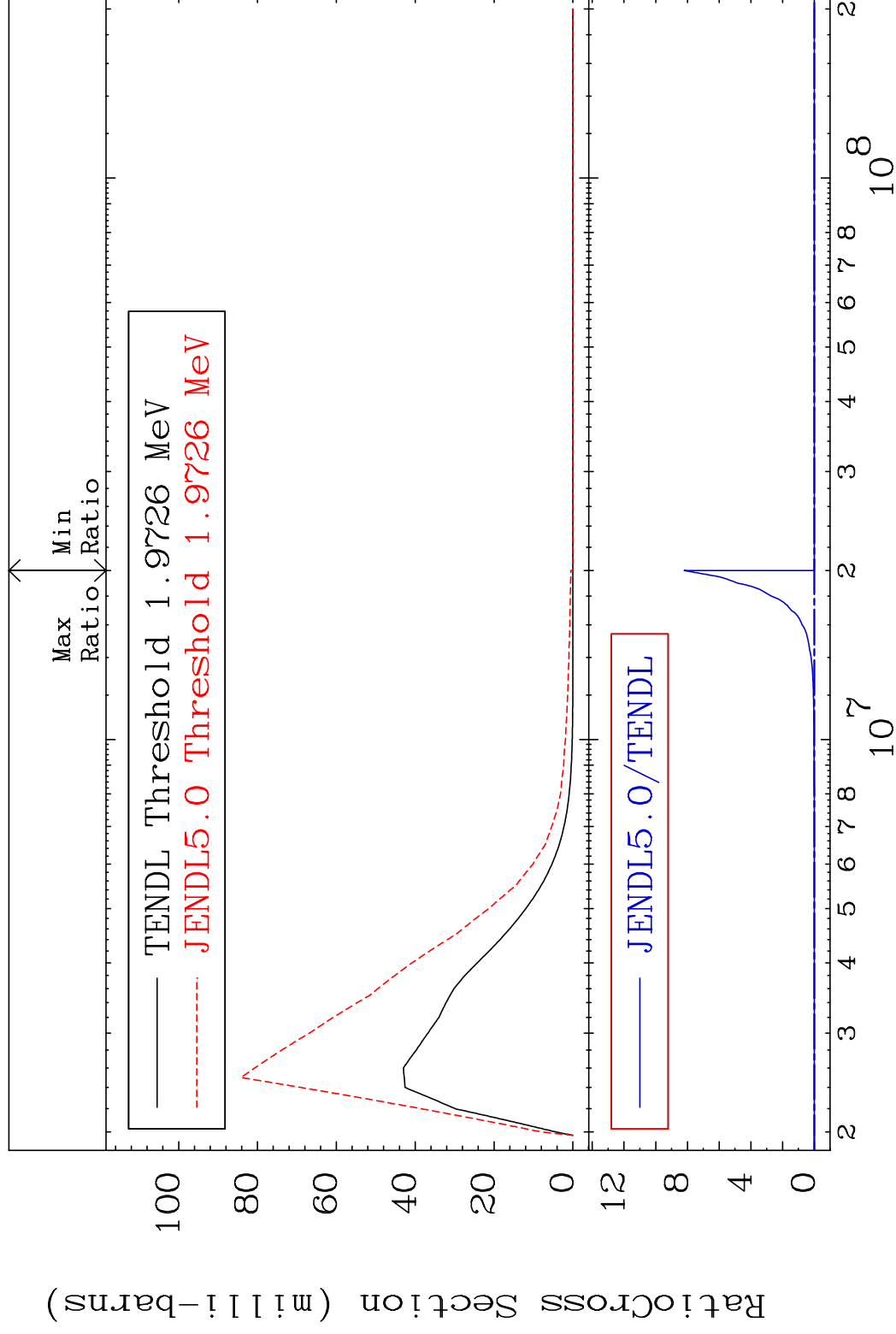


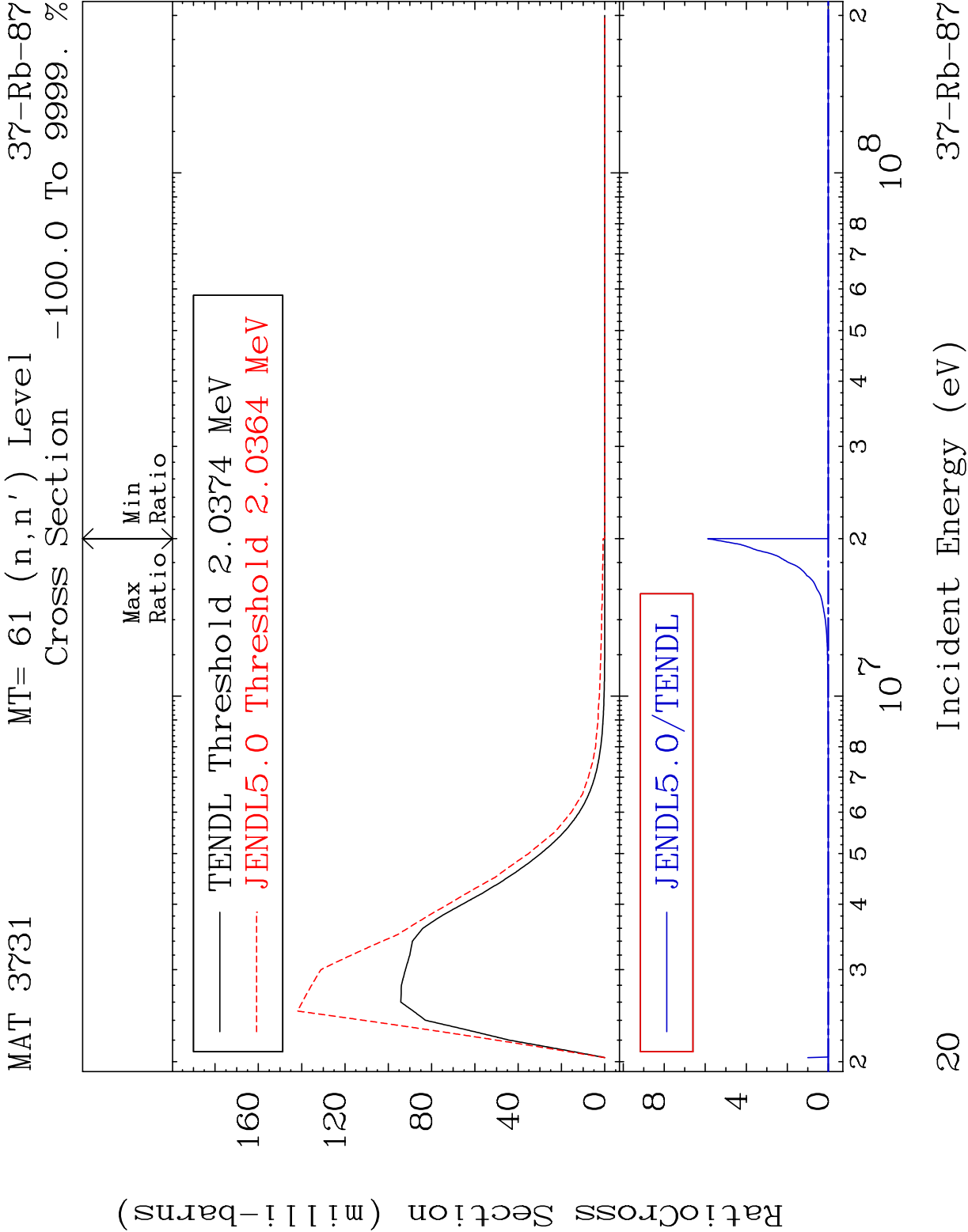
MAT 3731

MT= 60 (n, n') Level

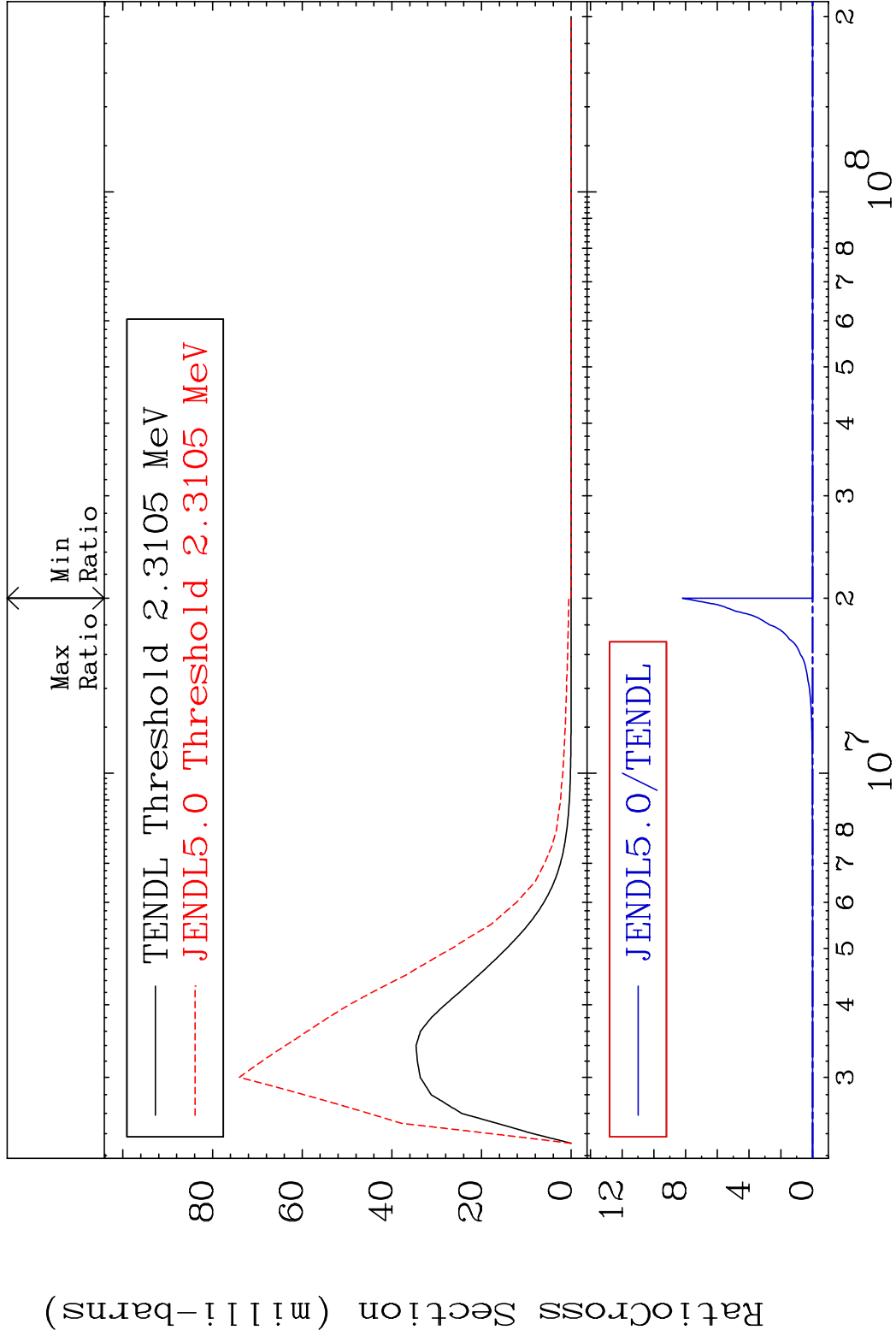
37-Rb-87

Cross Section -100.0 To 9999. %





MAT 3731 MT= 62 (n,n') Level 37-Rb-87
Cross Section -100.0 To 9999. %



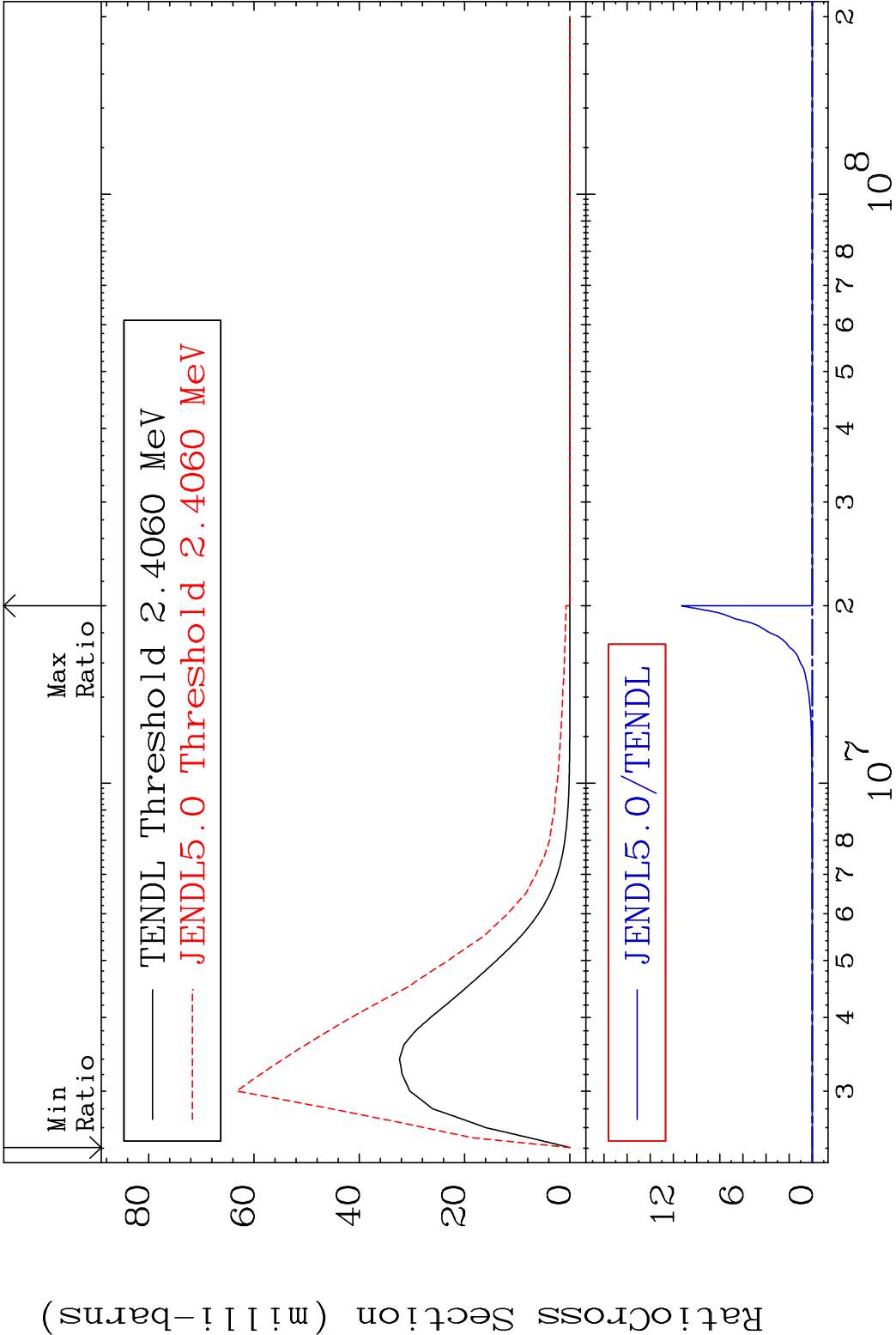
MAT 3731

MT= 63 (n,n') Level

37-Rb-87

Cross Section

-100.0 To 9999. %



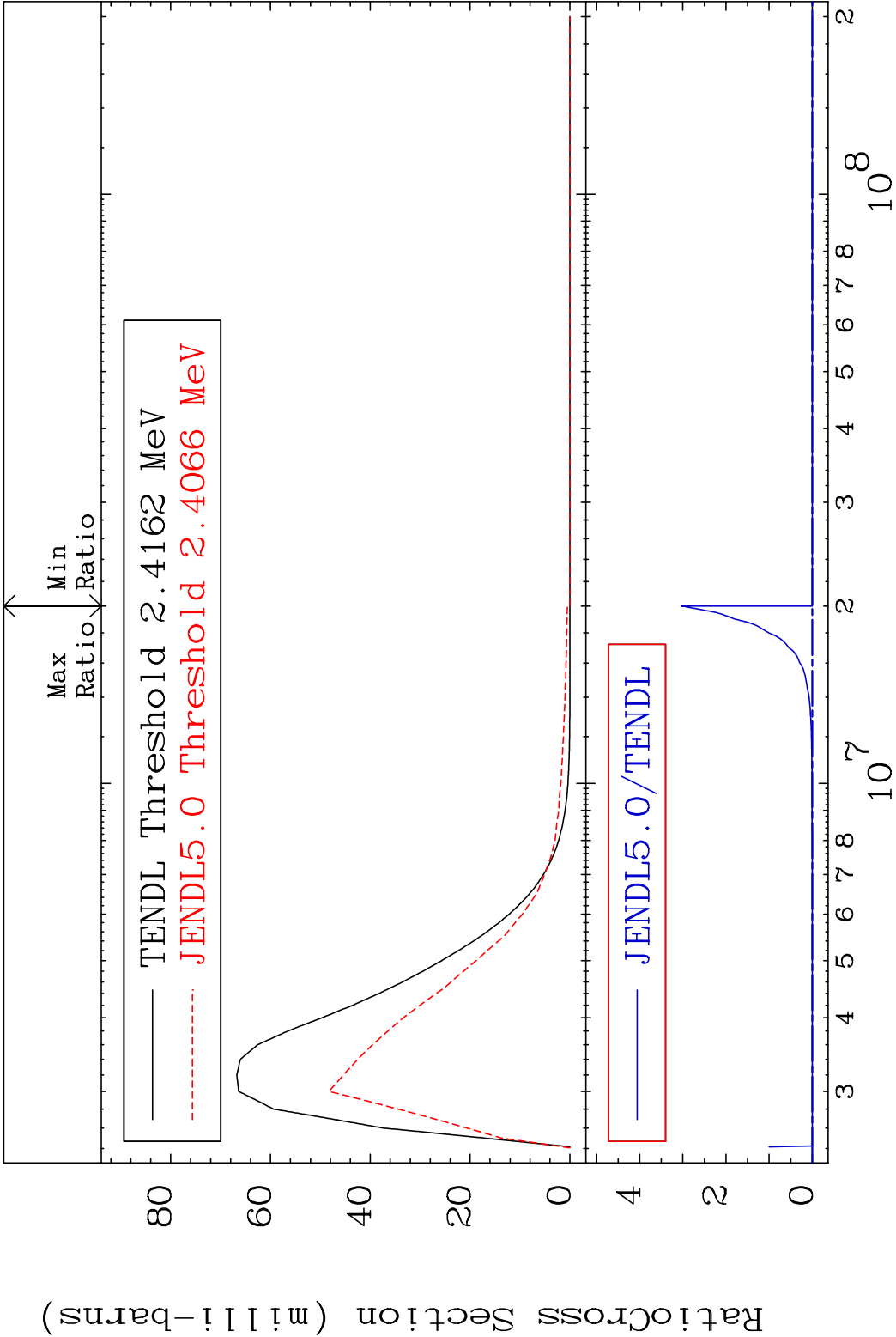
MAT 3731

MT= 64 (n,n') Level

37-Rb-87

Cross Section

-100.0 To 9999. %

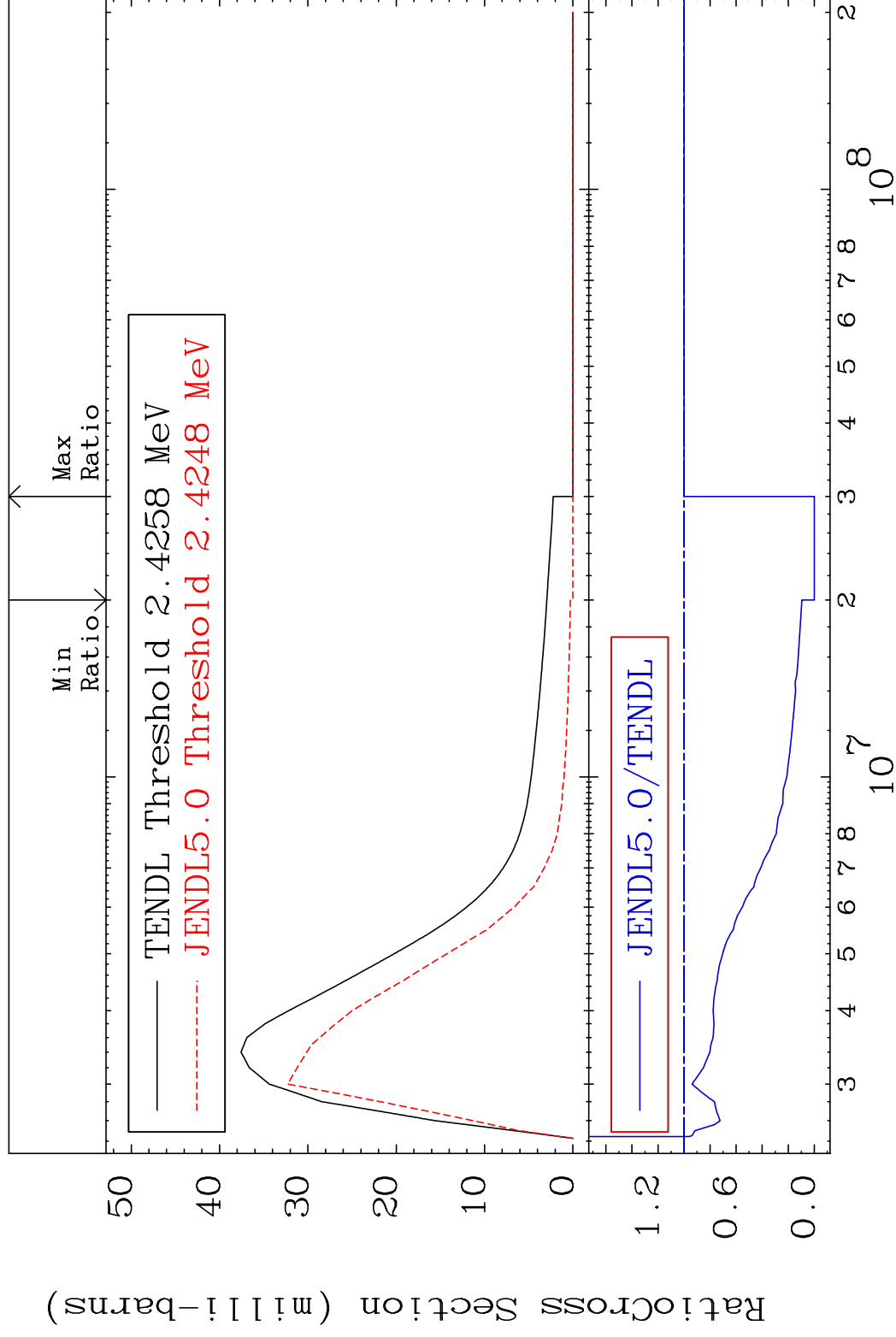


MAT 3731

MT= 65 (n, n') Level

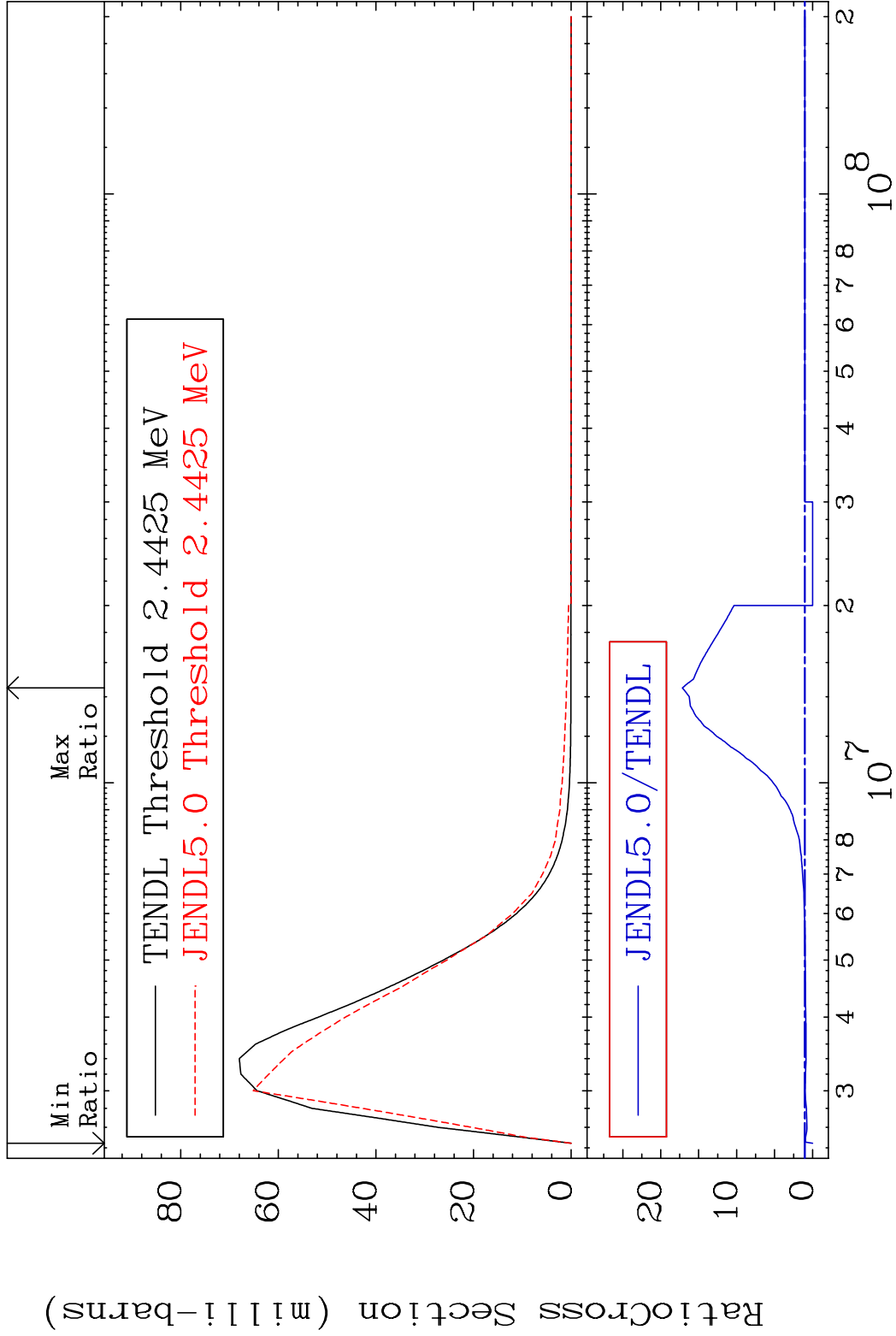
37-Rb-87

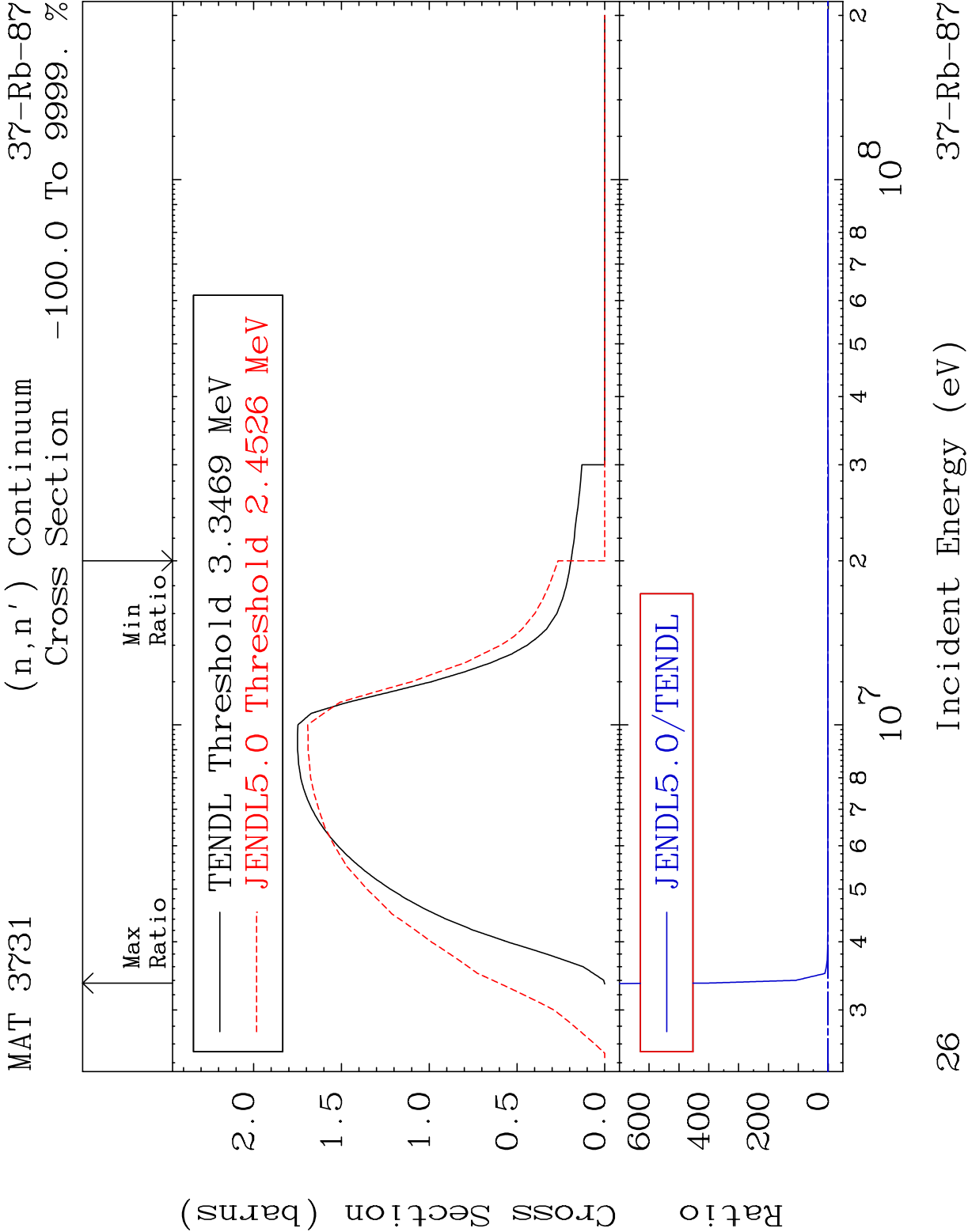
Cross Section	-100.0 To 0.000 %



MAT 3731 MT= 66 (n,n') Level 37-Rb-87

Cross Section -100.0 To 1615. %



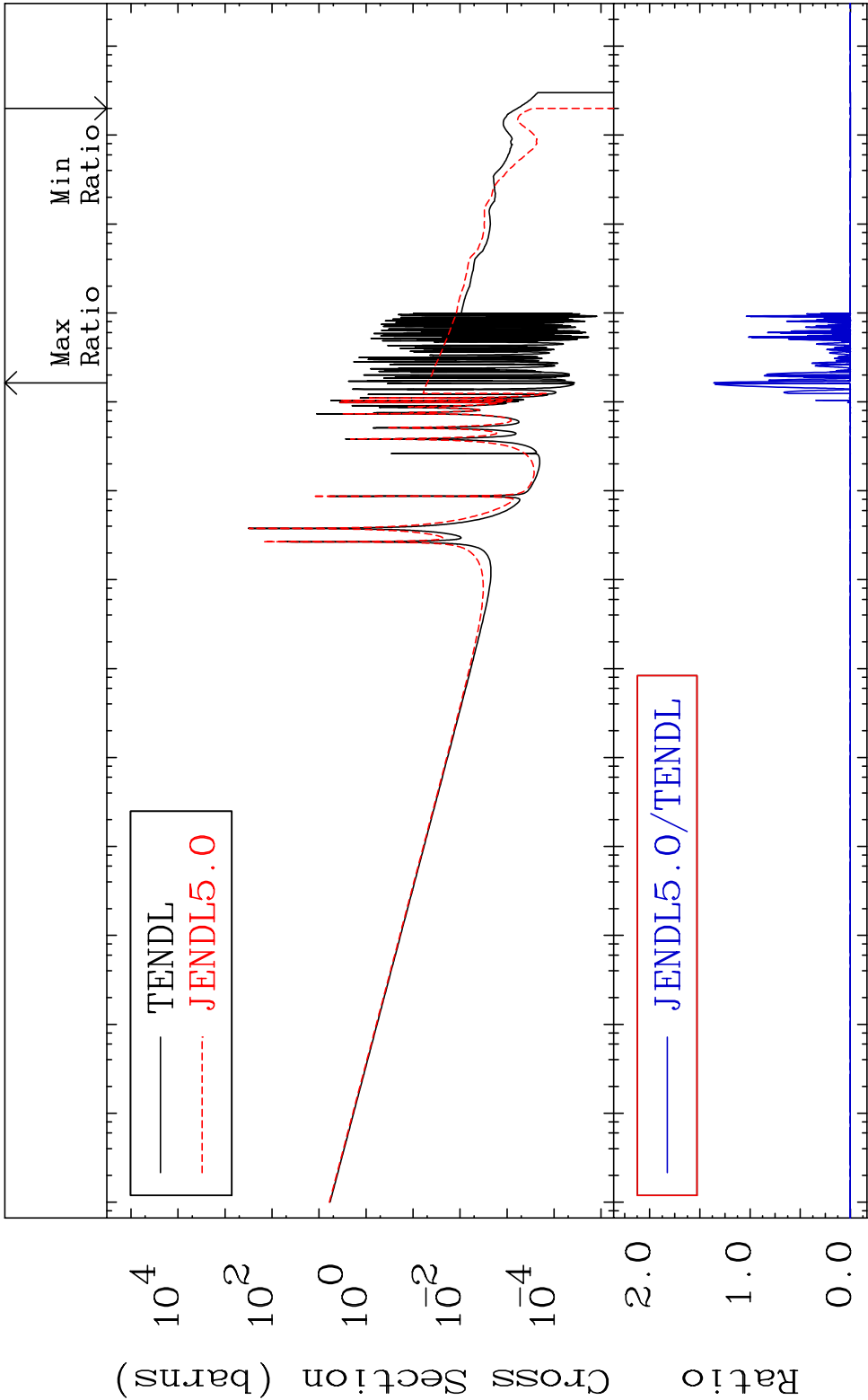


MAT 3731

(n, γ)

37-Rb-87

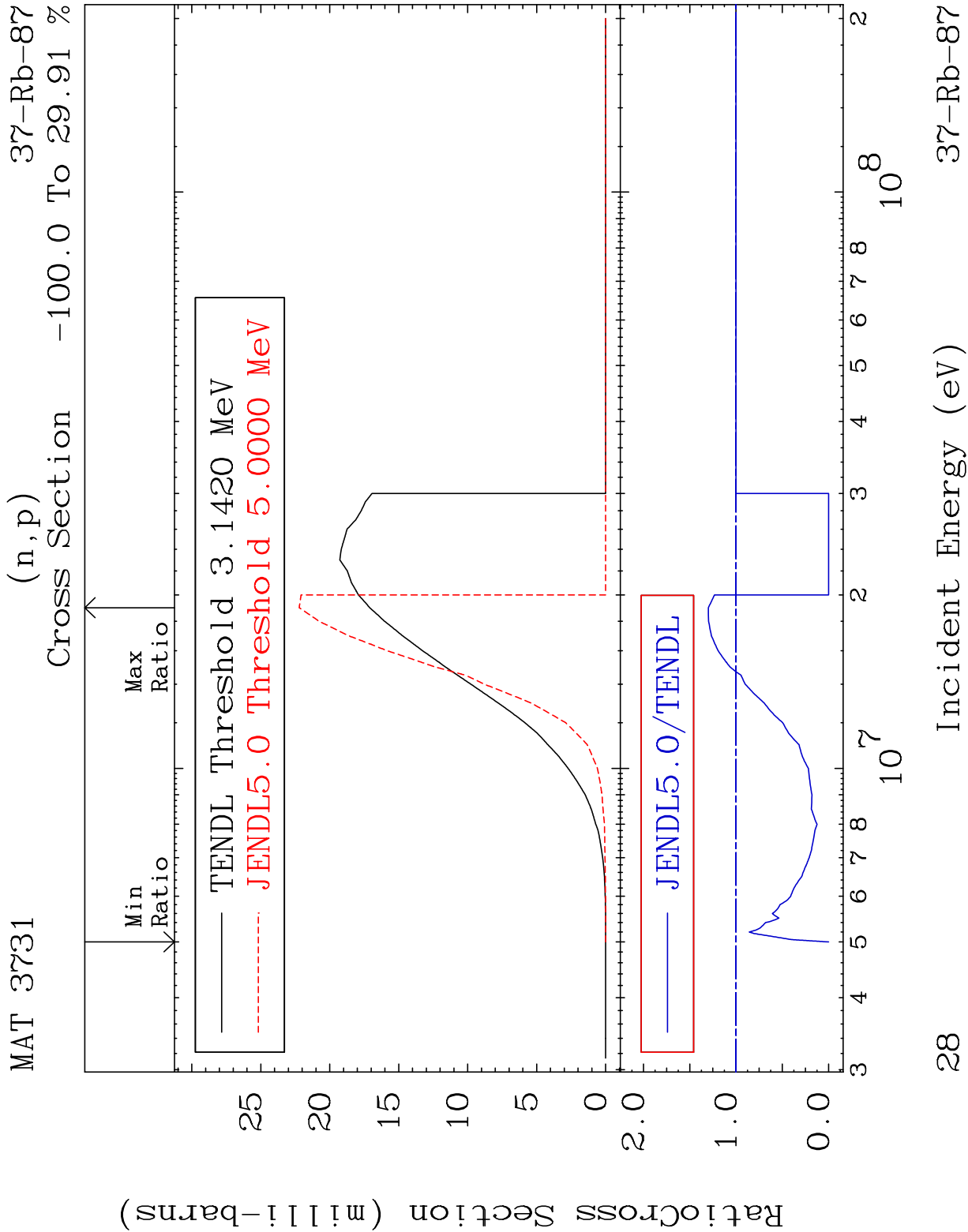
Cross Section -100.0 To 9999. %

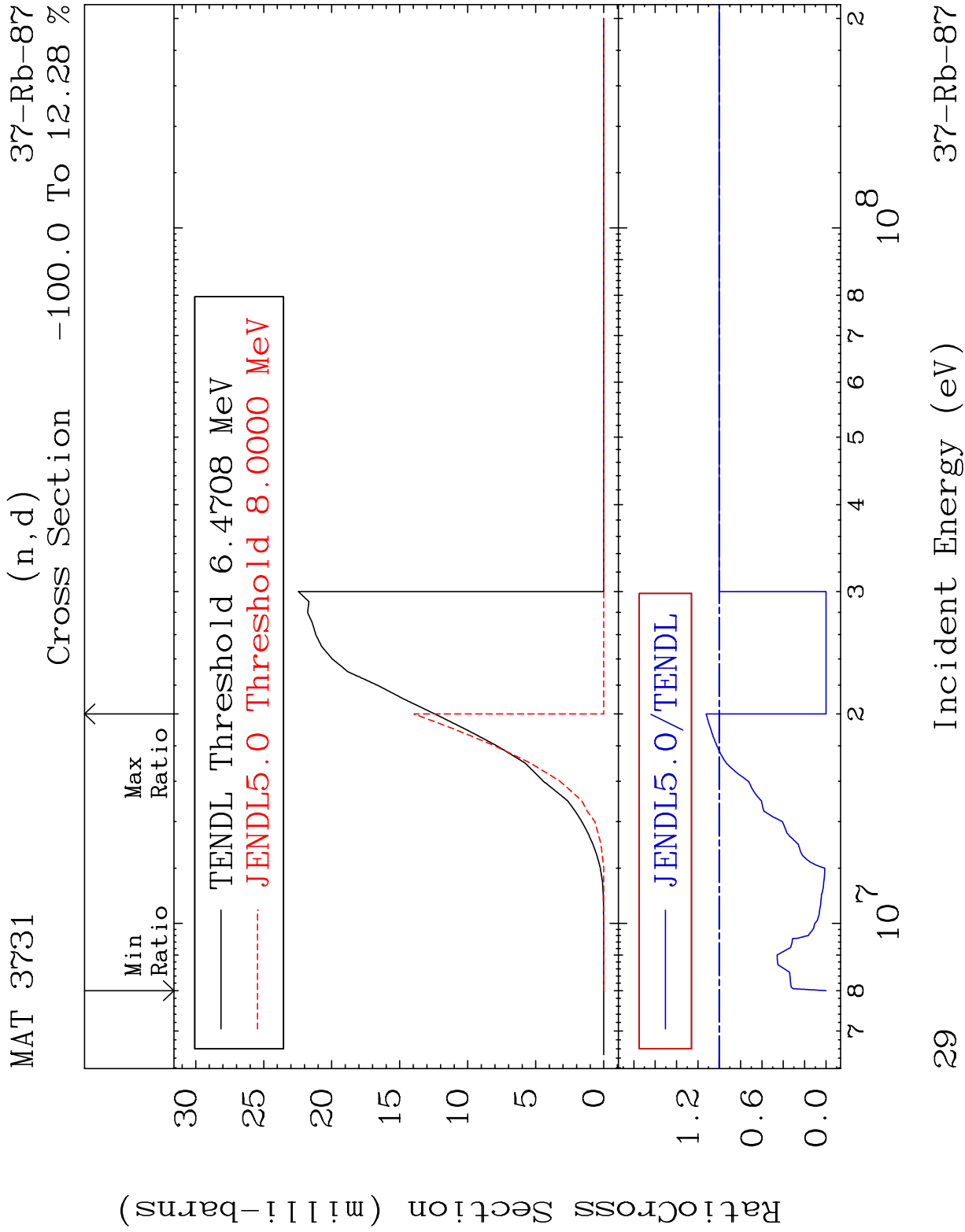


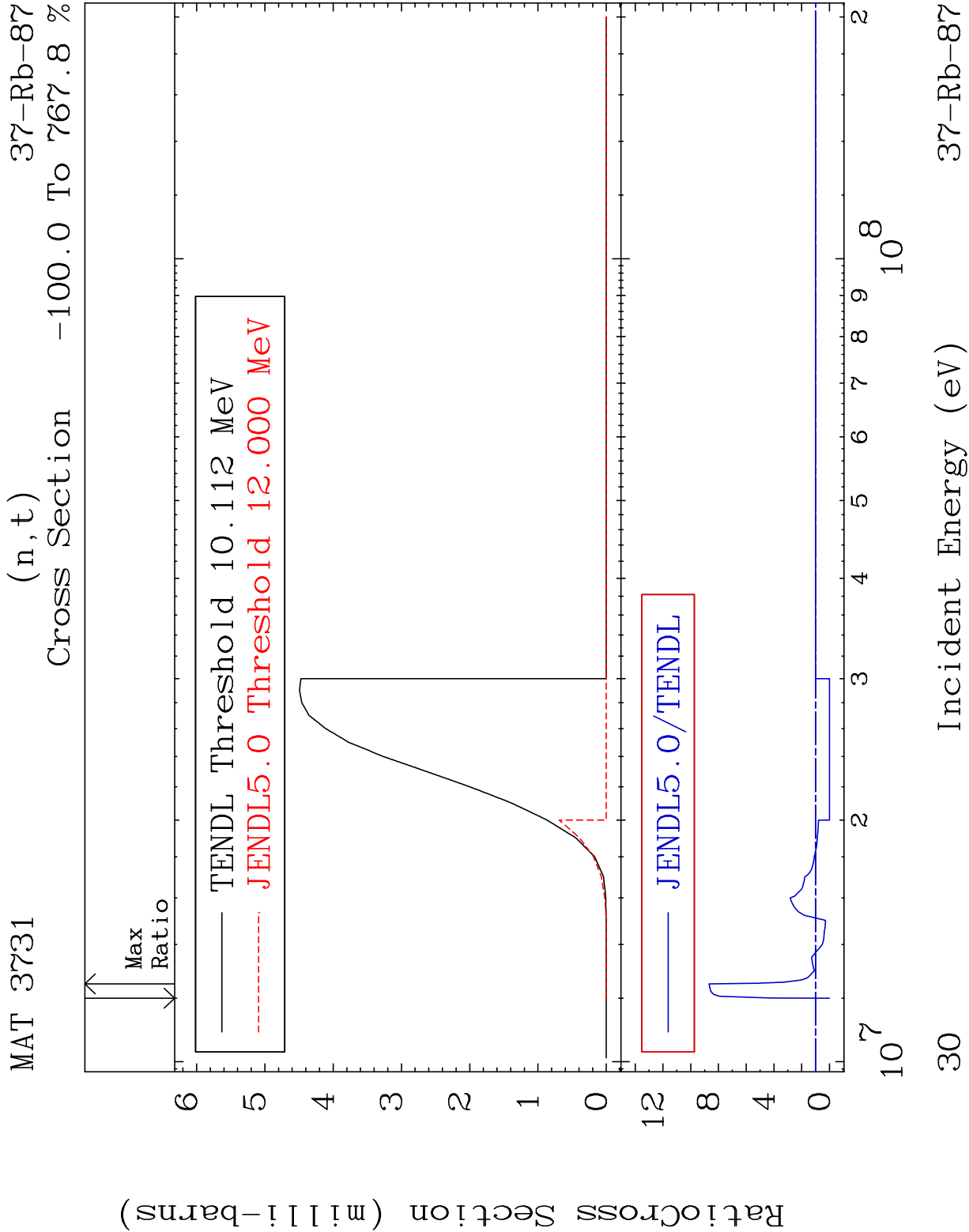
27

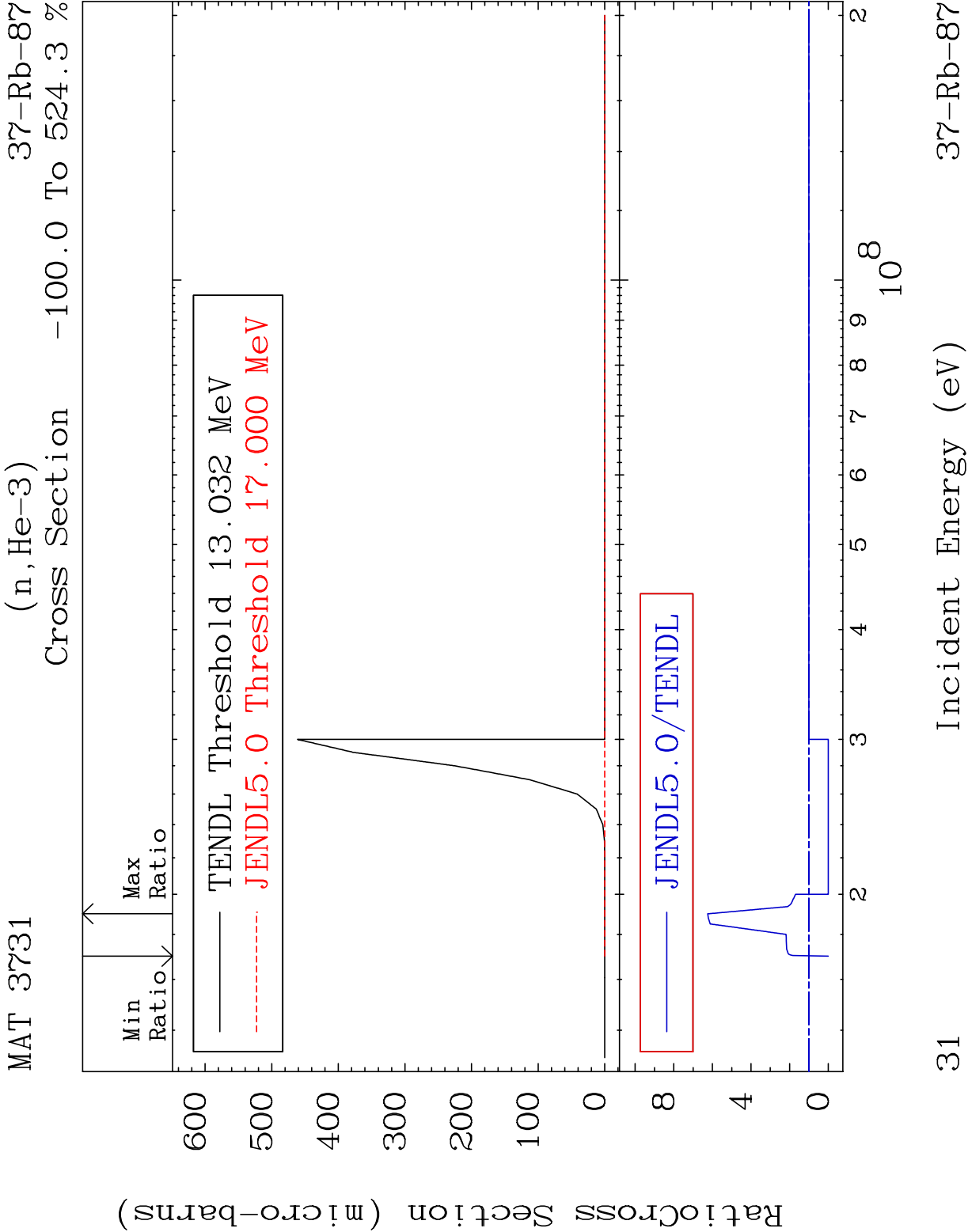
Incident Energy (eV)

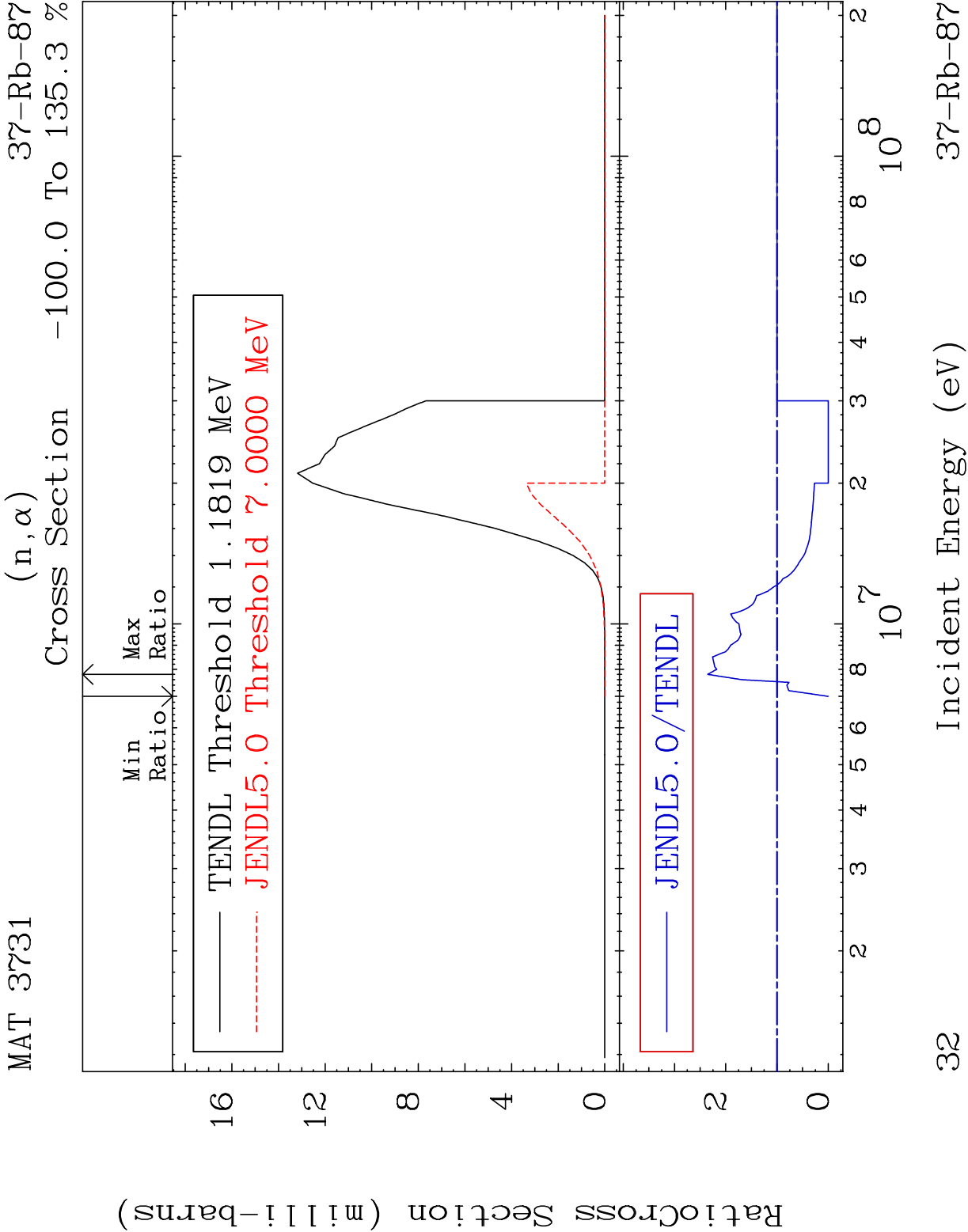
37-Rb-87

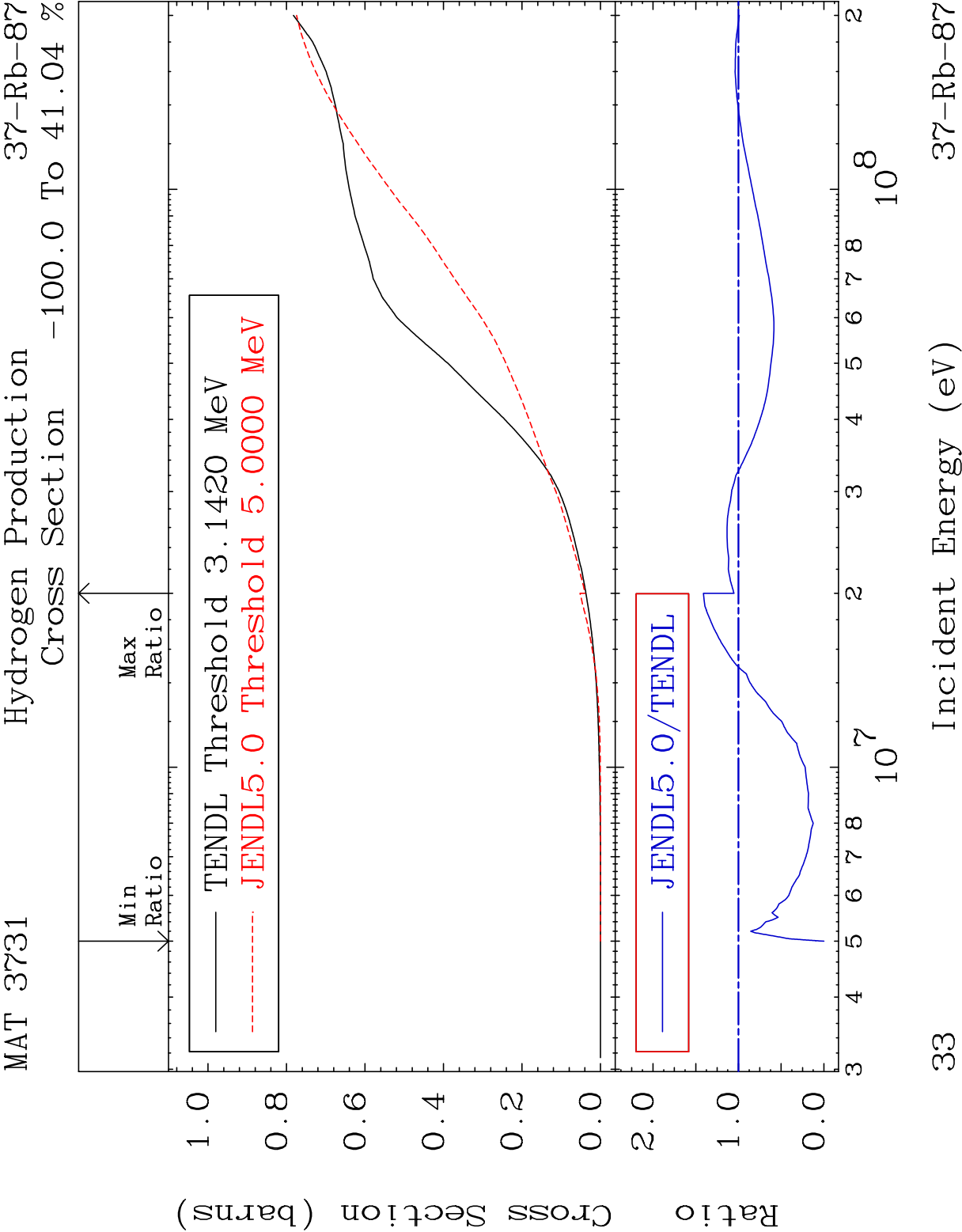


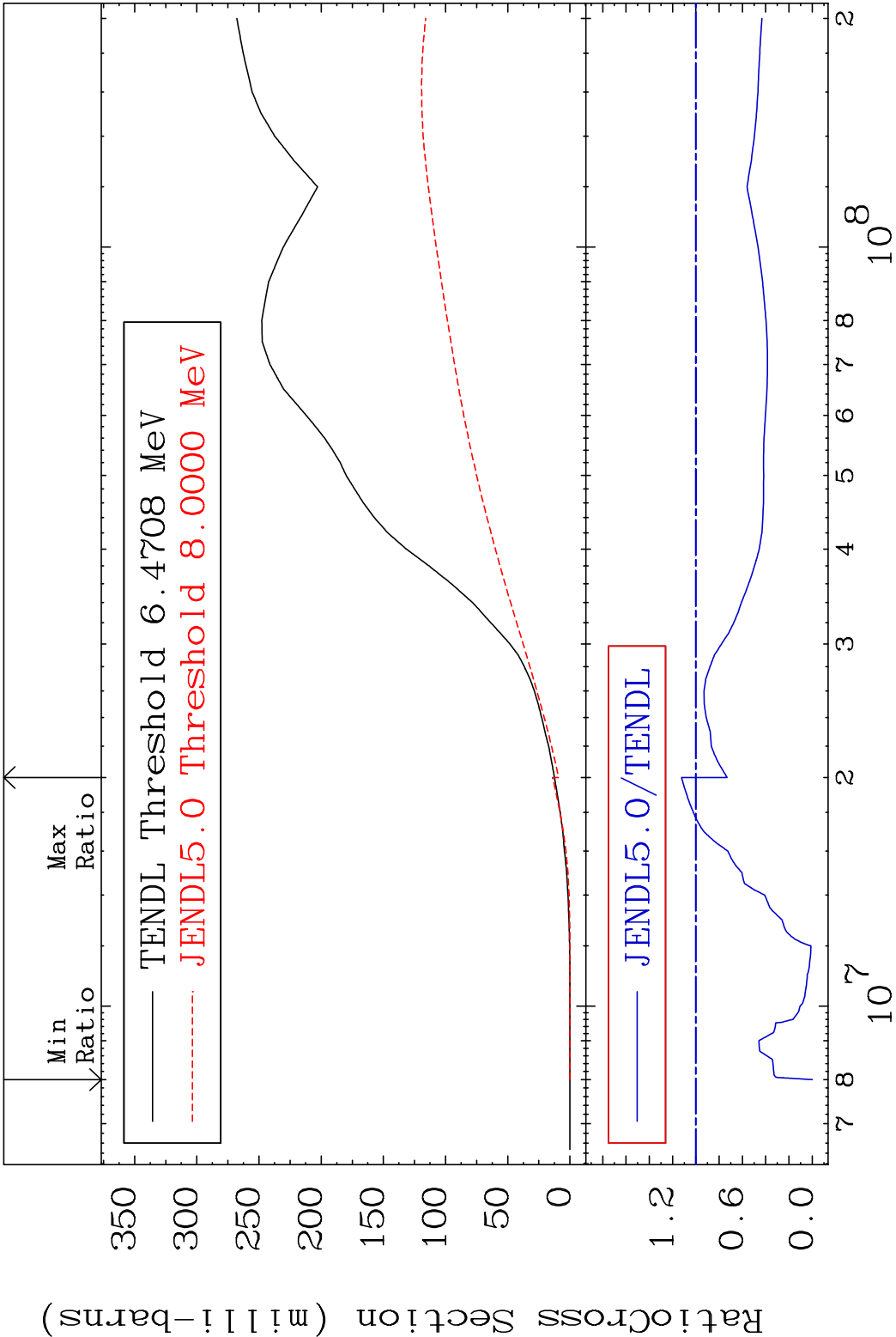


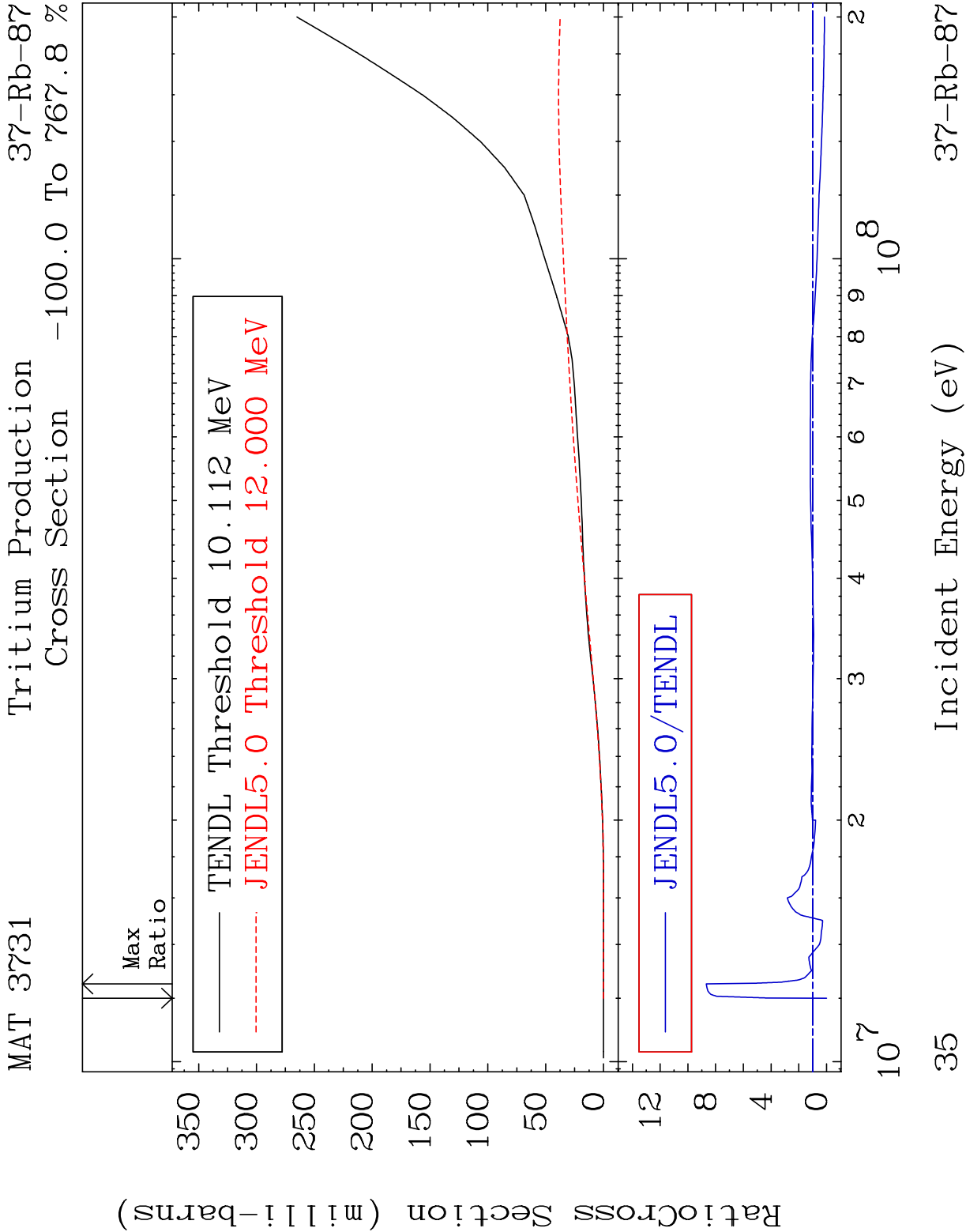


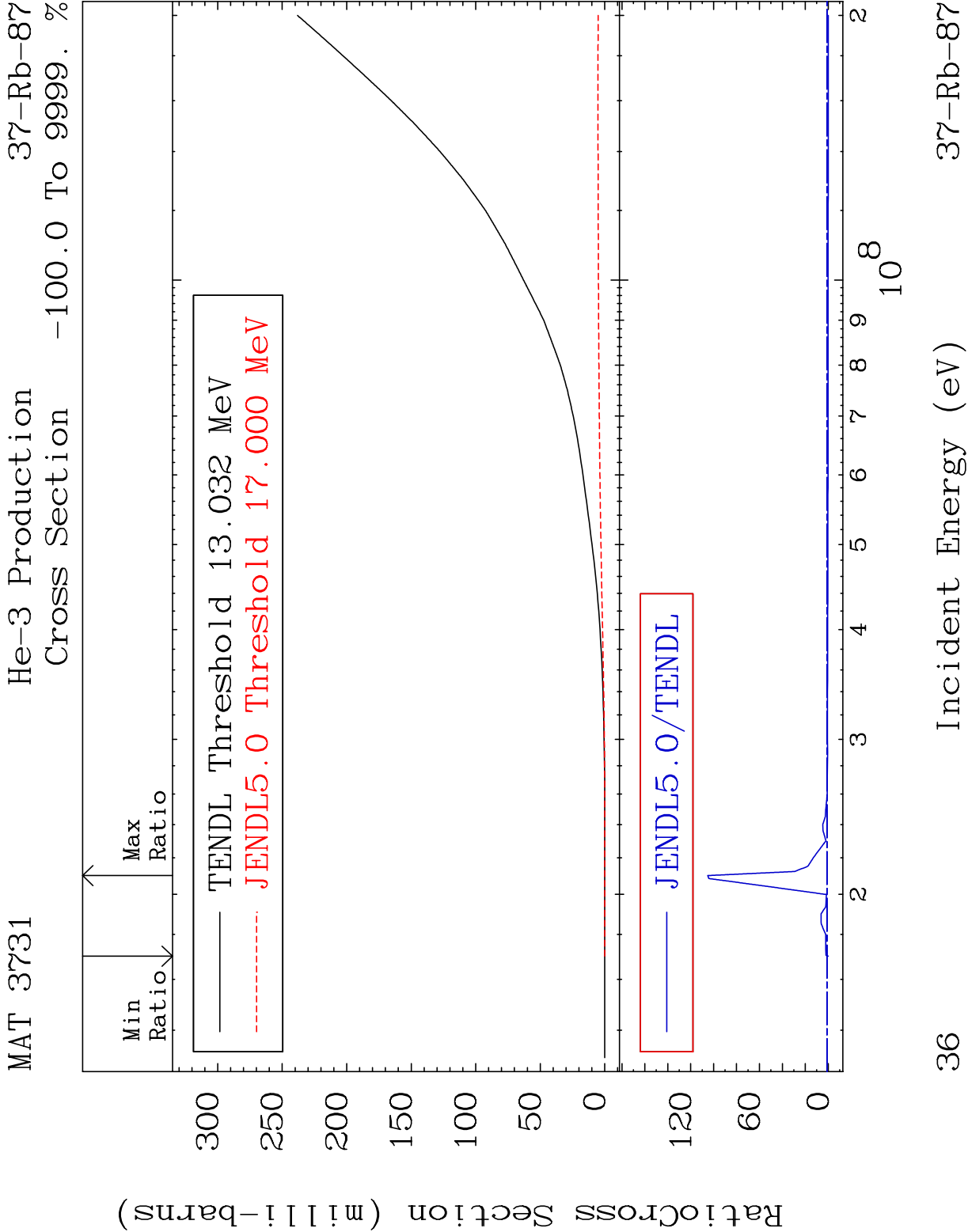






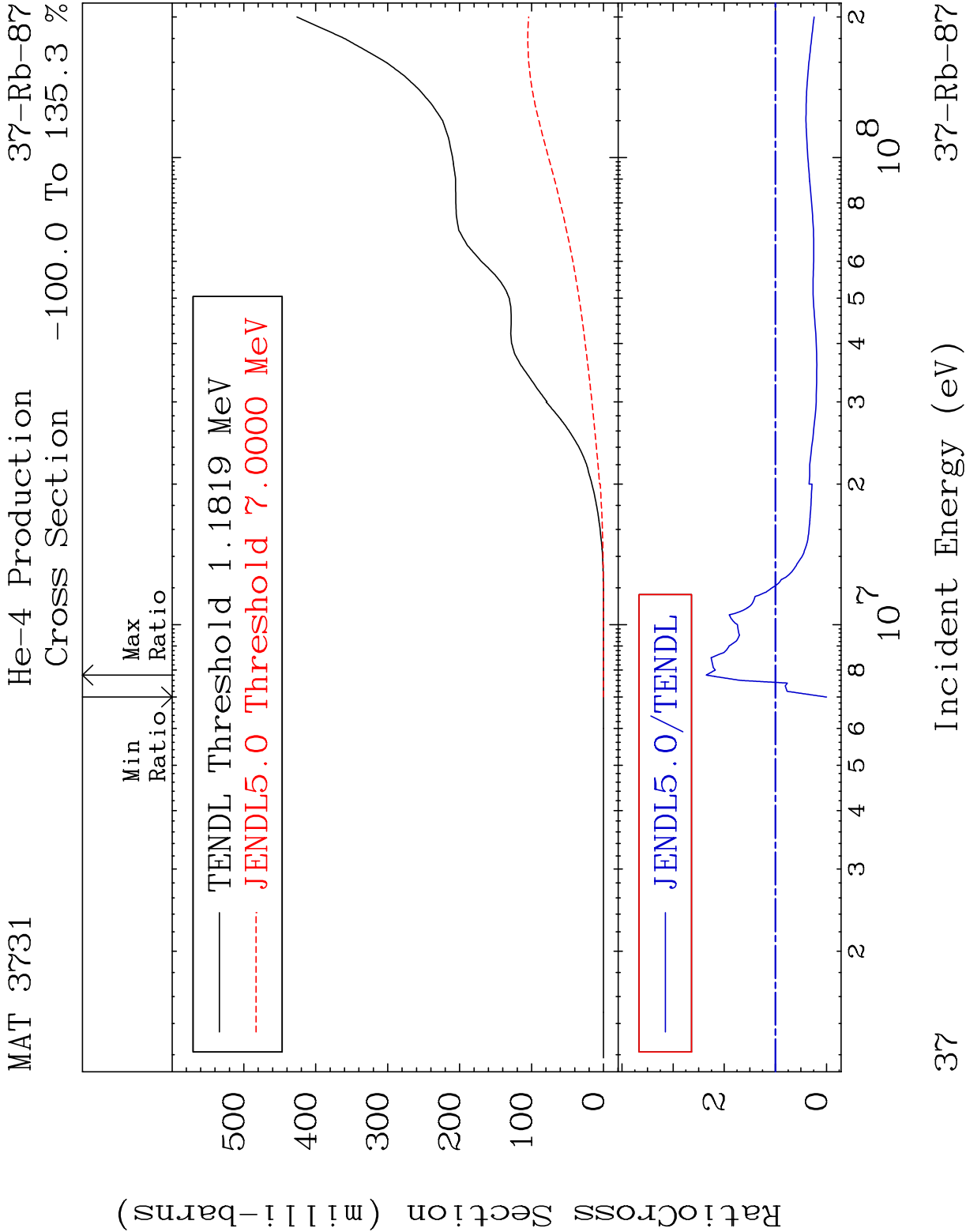


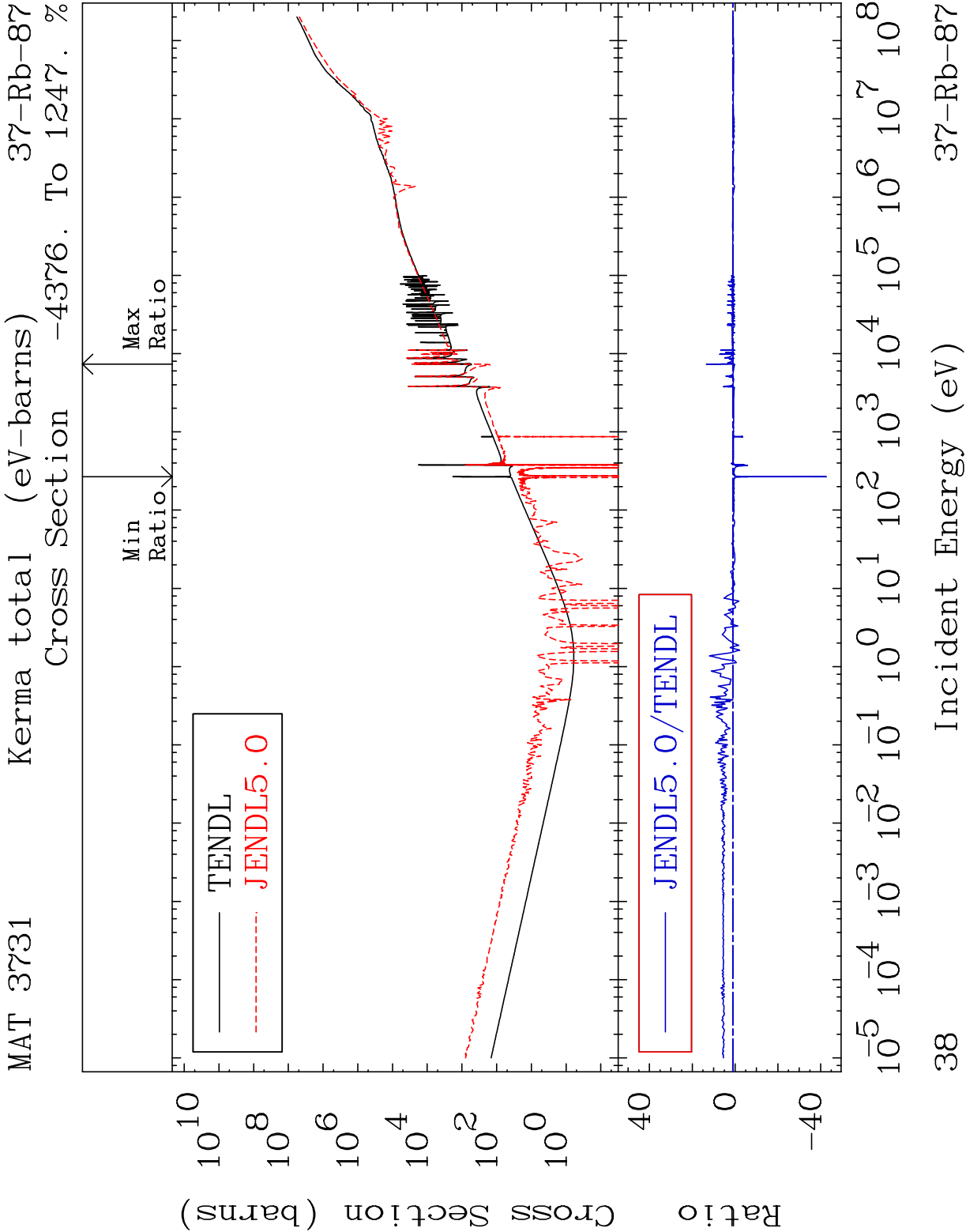




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37-Rb-87

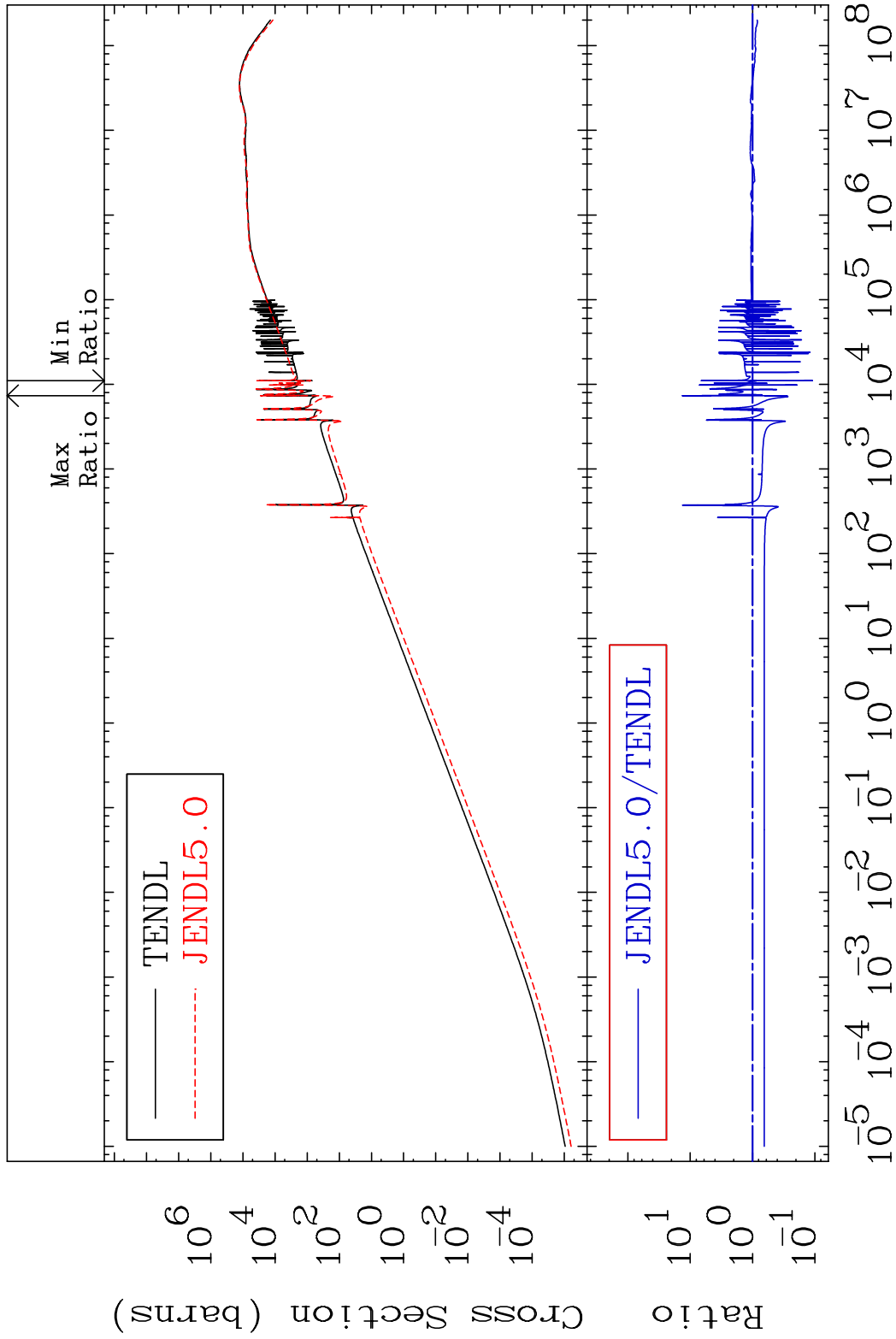




MAT 3731

Kerma elastic
Cross Section

37-Rb-87
-89.14 To 1239. %

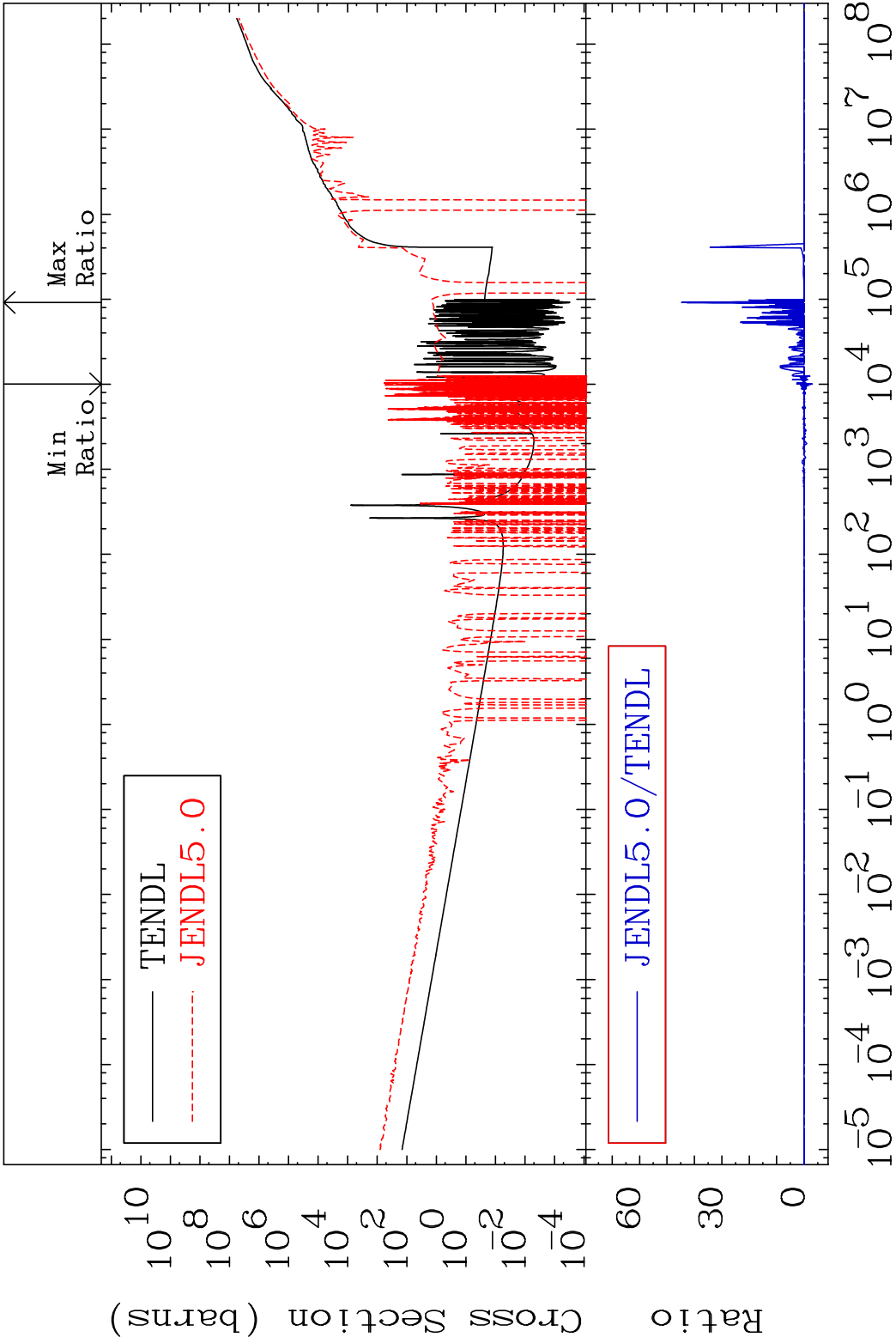


39

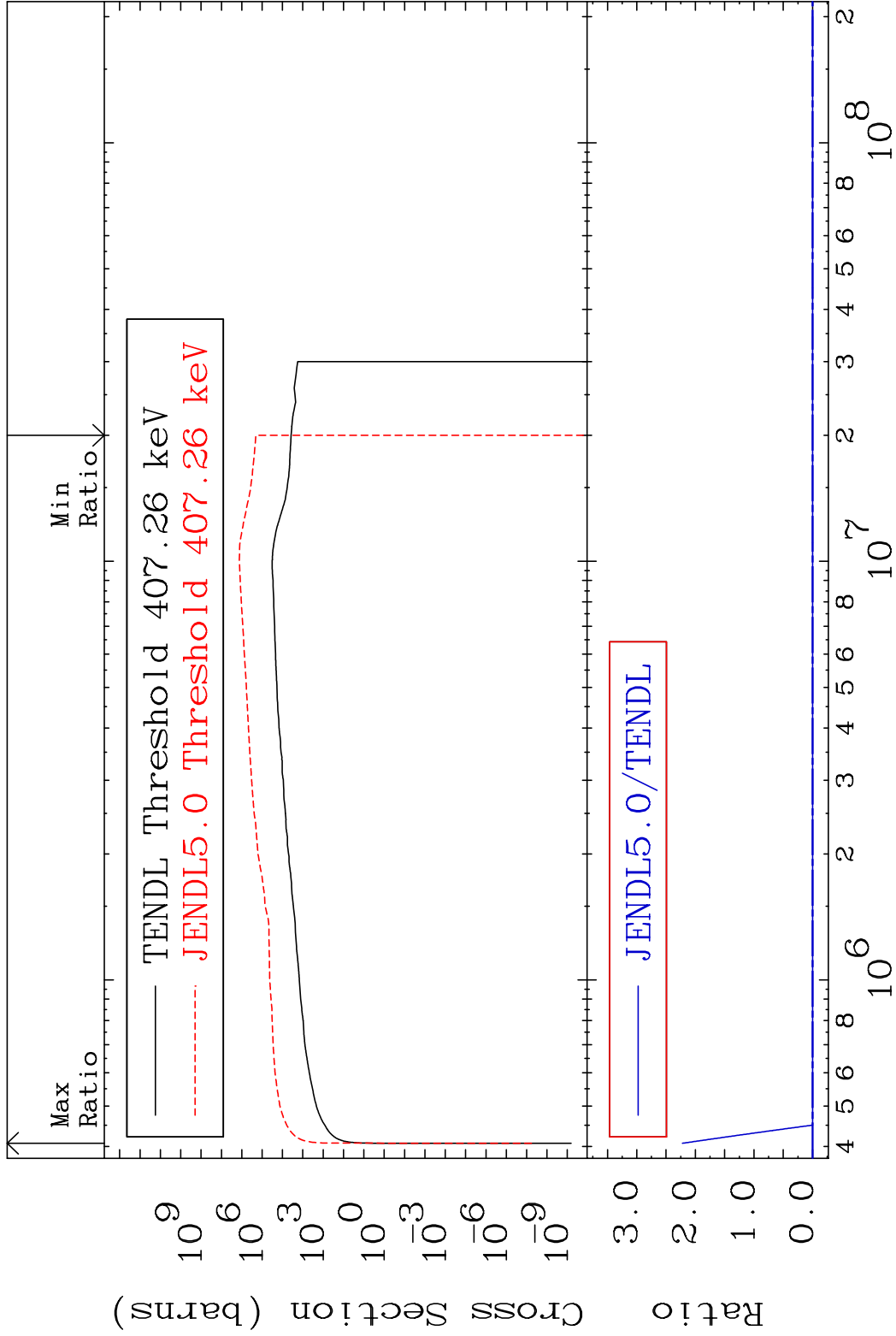
Incident Energy (eV)

37-Rb-87

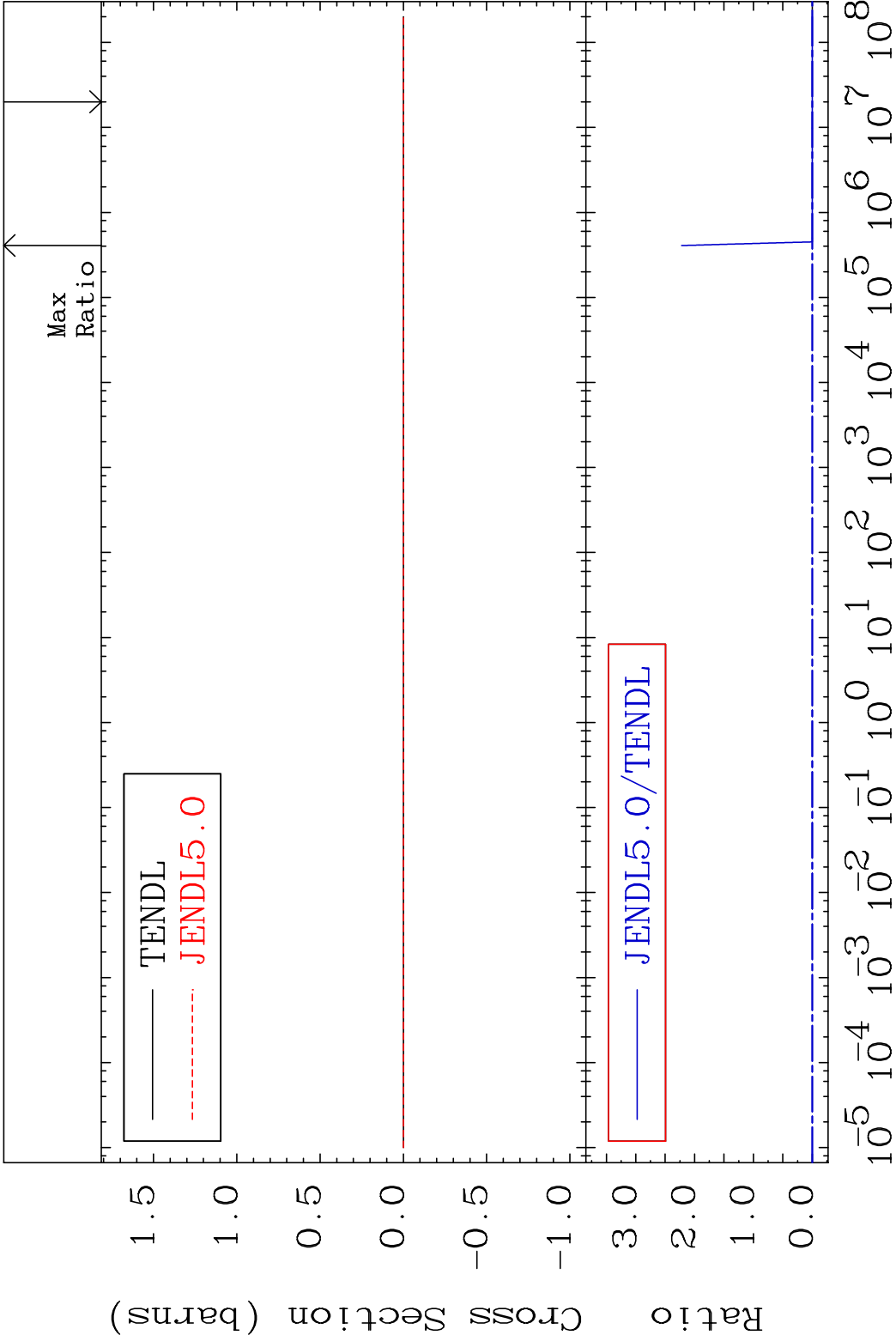
MAT 3731 Kerma non-elastic (all but mt2) 37-Rb-87
 Cross Section -9999. To 9999. %

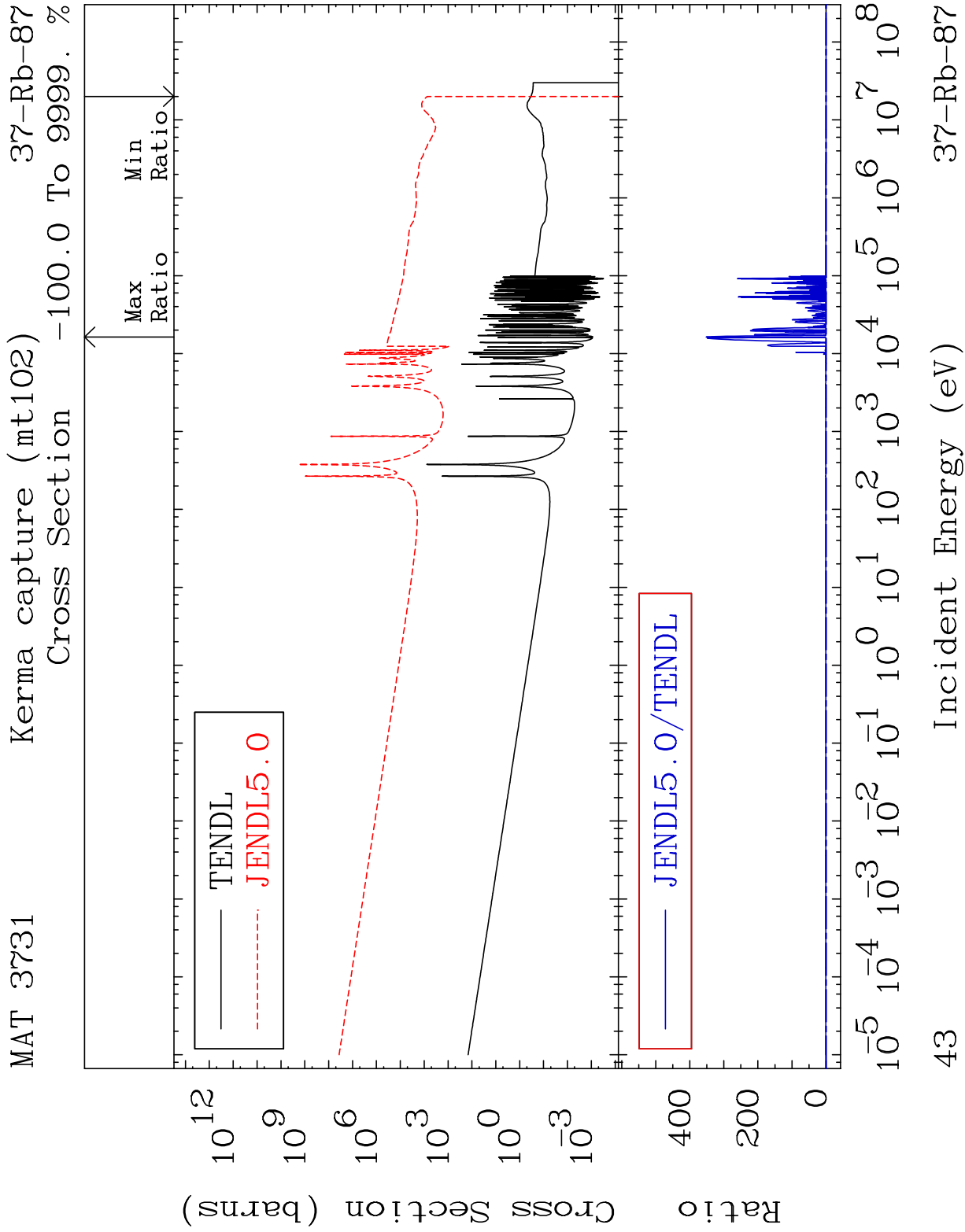


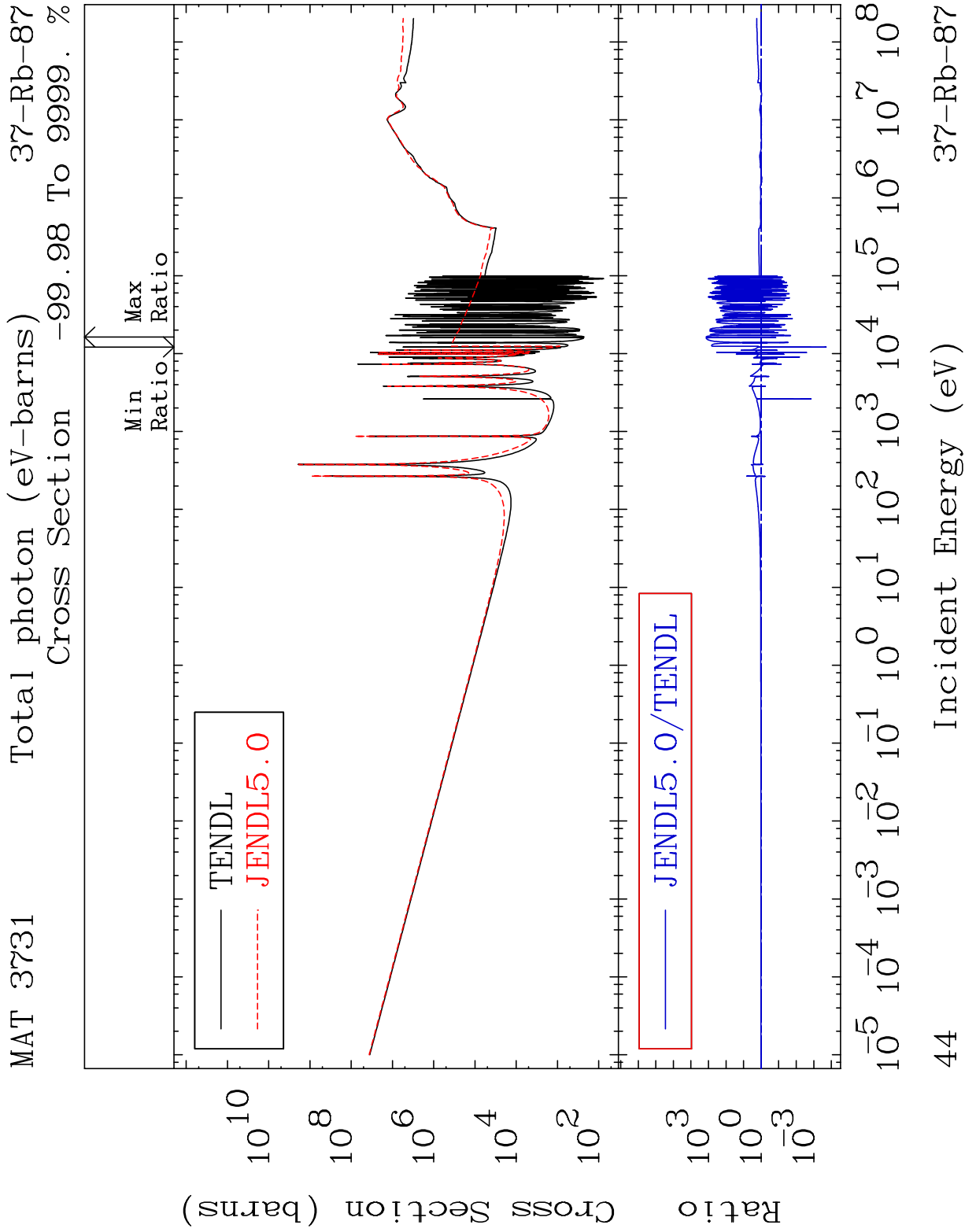
40 Incident Energy (eV) 37-Rb-87



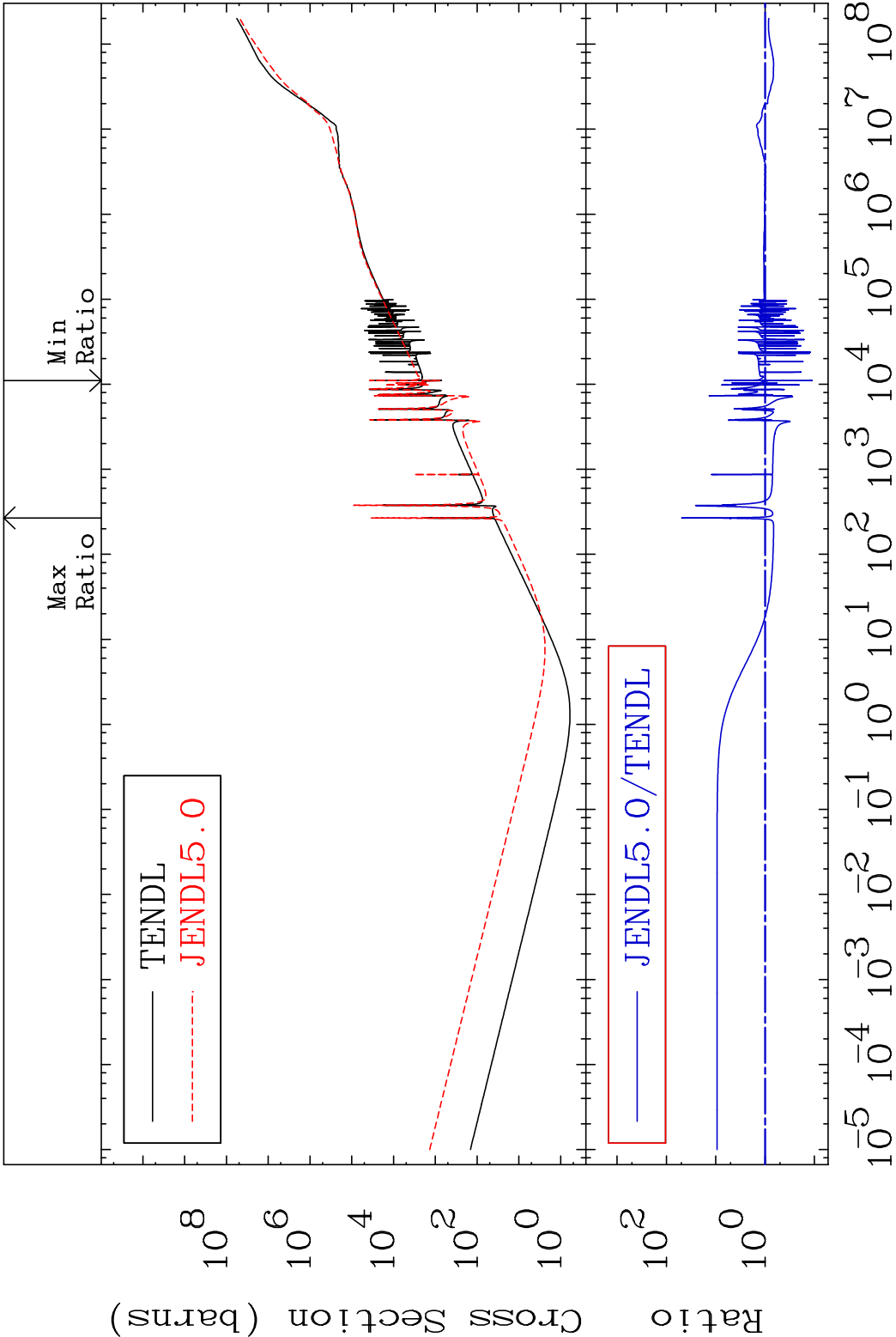
MAT 3731 Kerma fission (mt18 or mt19-20-21-38) 37-Rb-87
Cross Section -100.0 To 9999. %







MAT 3731 Total kinematic kerma (high limit) 37-Rb-87
Cross Section -88.94 To 4837. %



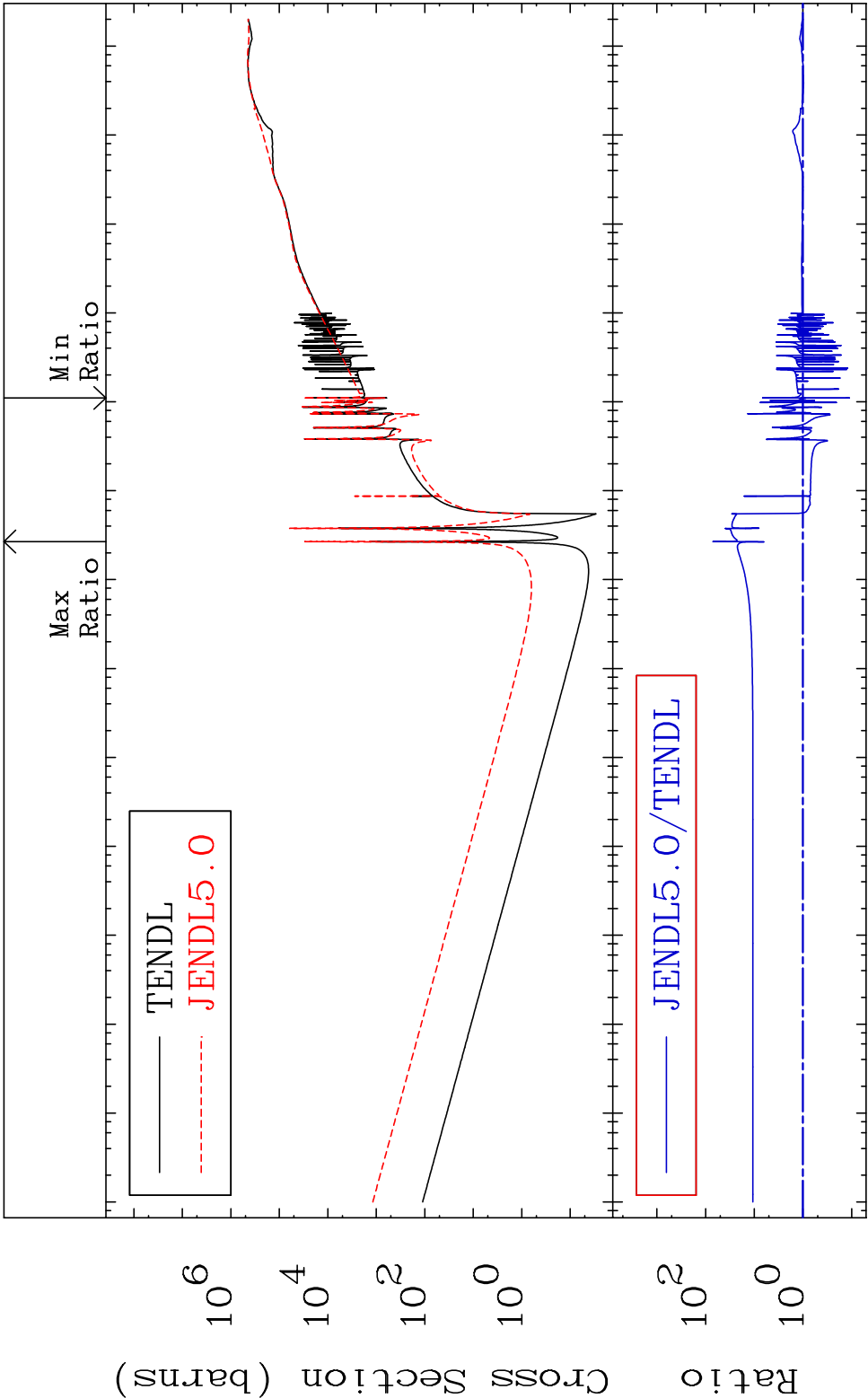
MAT 3731

Dpa total (eV-barns)

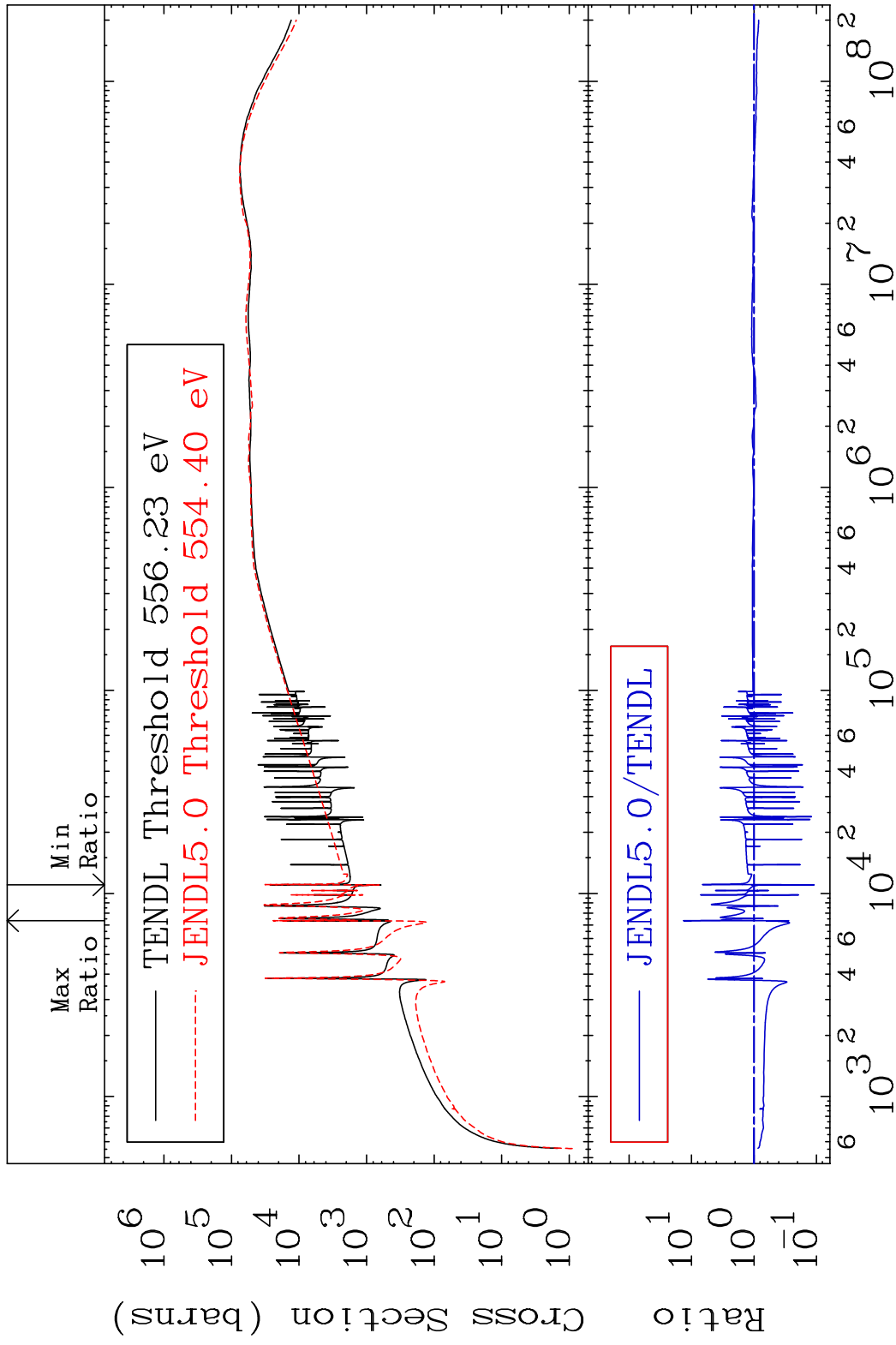
37-Rb-87

Cross Section

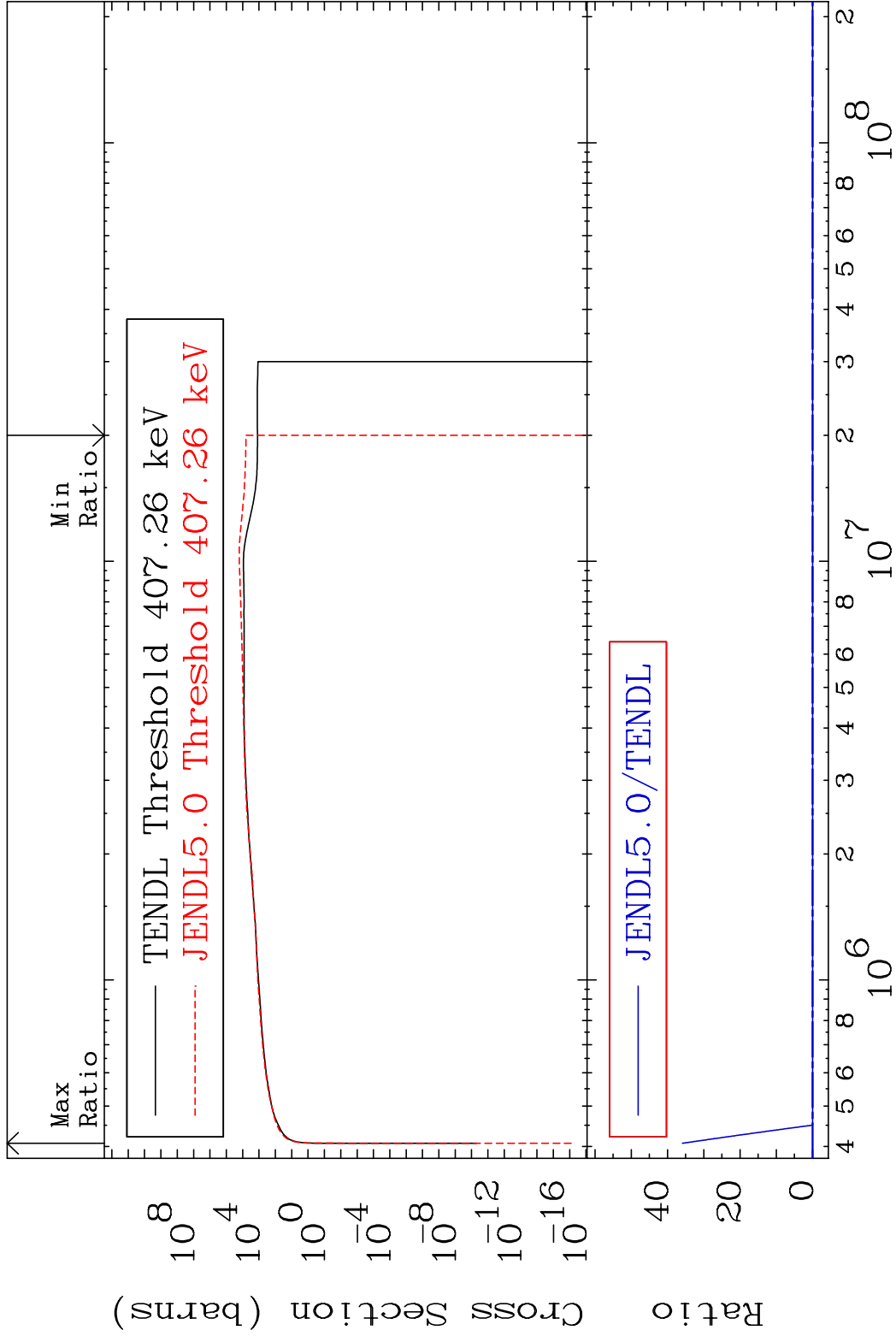
-88.94 To 7013. %



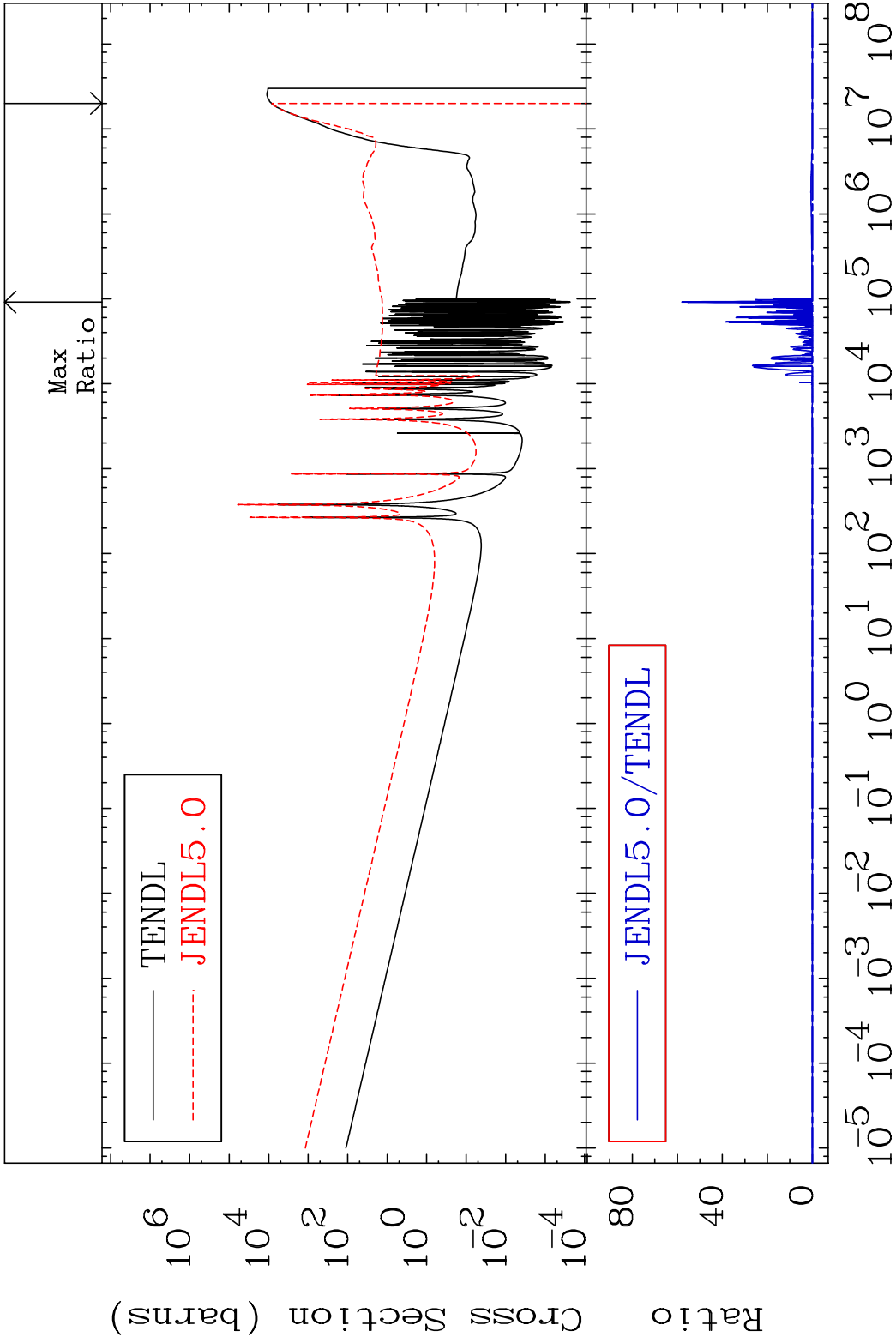
MAT 3731 Dpa elastic (mt2) 37-Rb-87
 Cross Section -89.14 To 1239. %

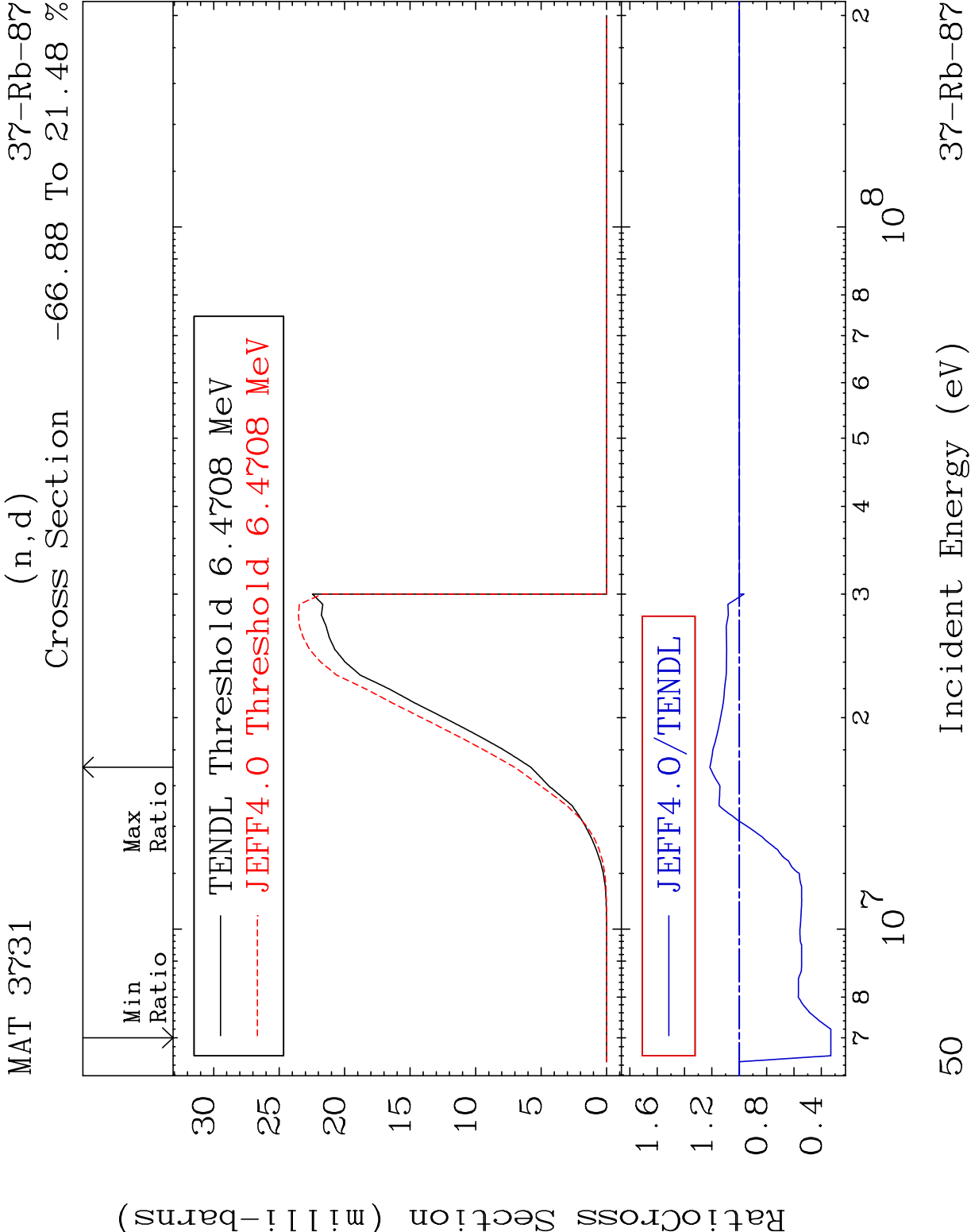


47 Incident Energy (eV) 37-Rb-87



MAT 3731 Dpa disappearance (mt102 -120) 37-Rb-87
Cross Section -100.0 To 9999. %



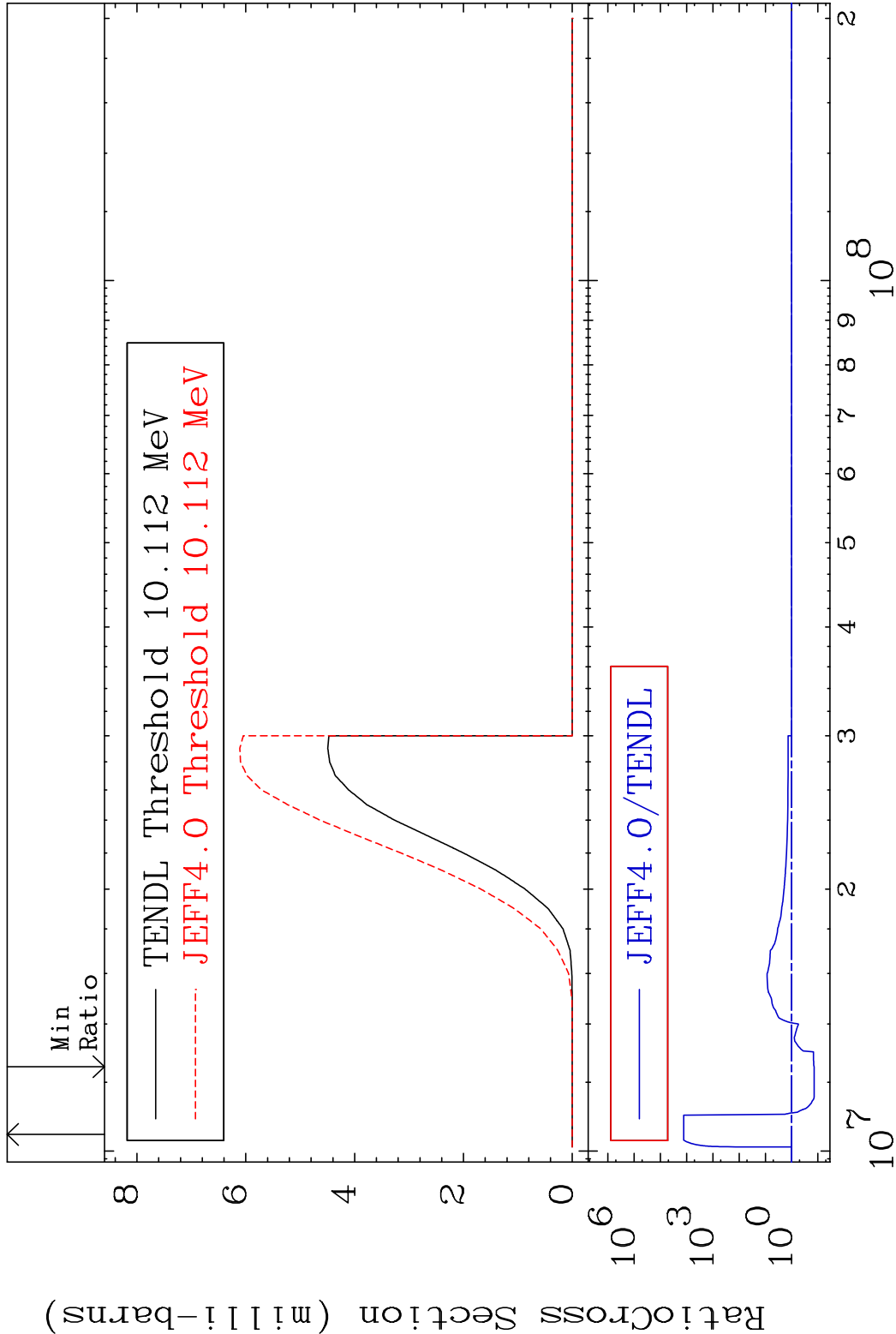


MAT 3731

(n,t)

37-Rb-87

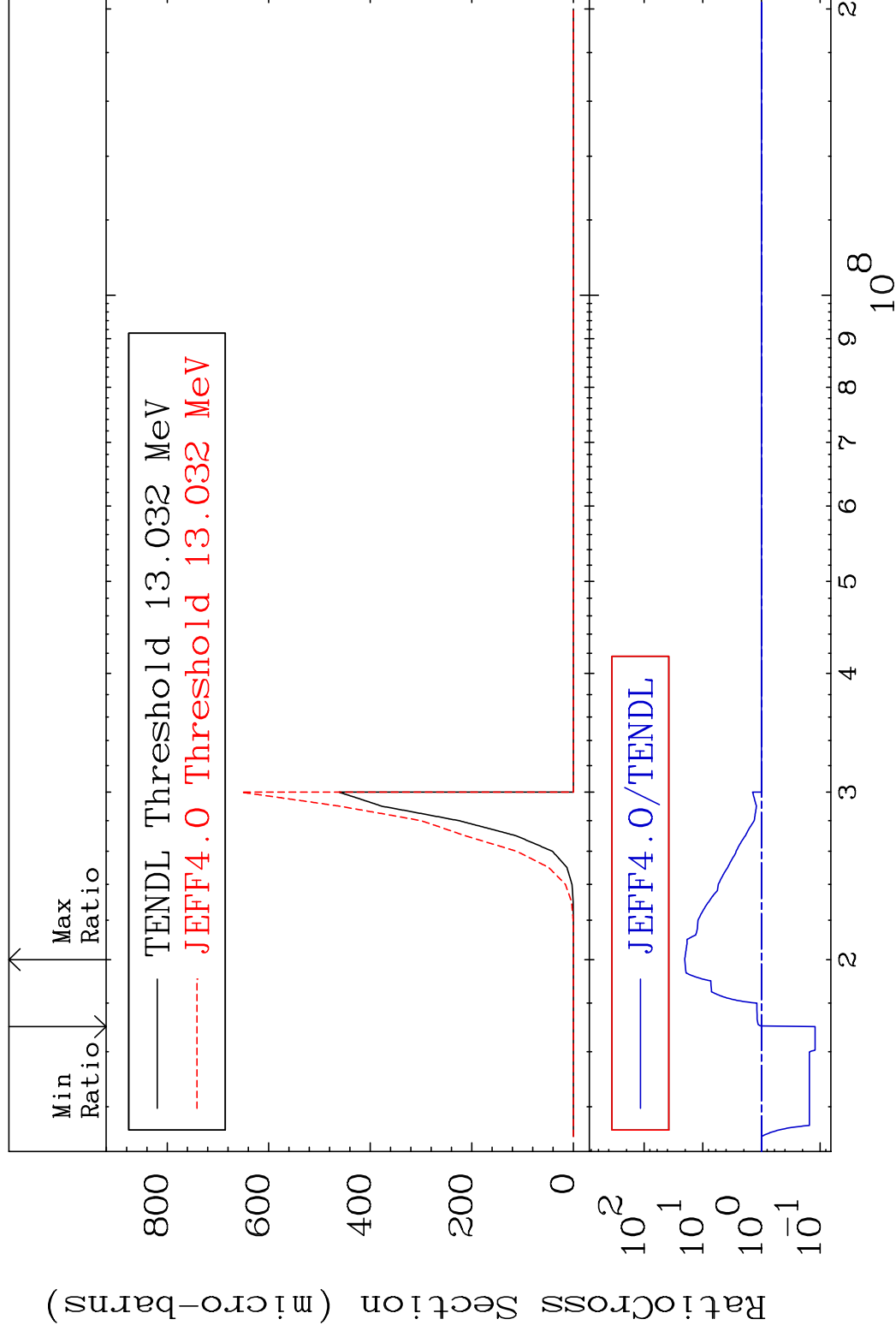
Cross Section -86.09 To 9999. %

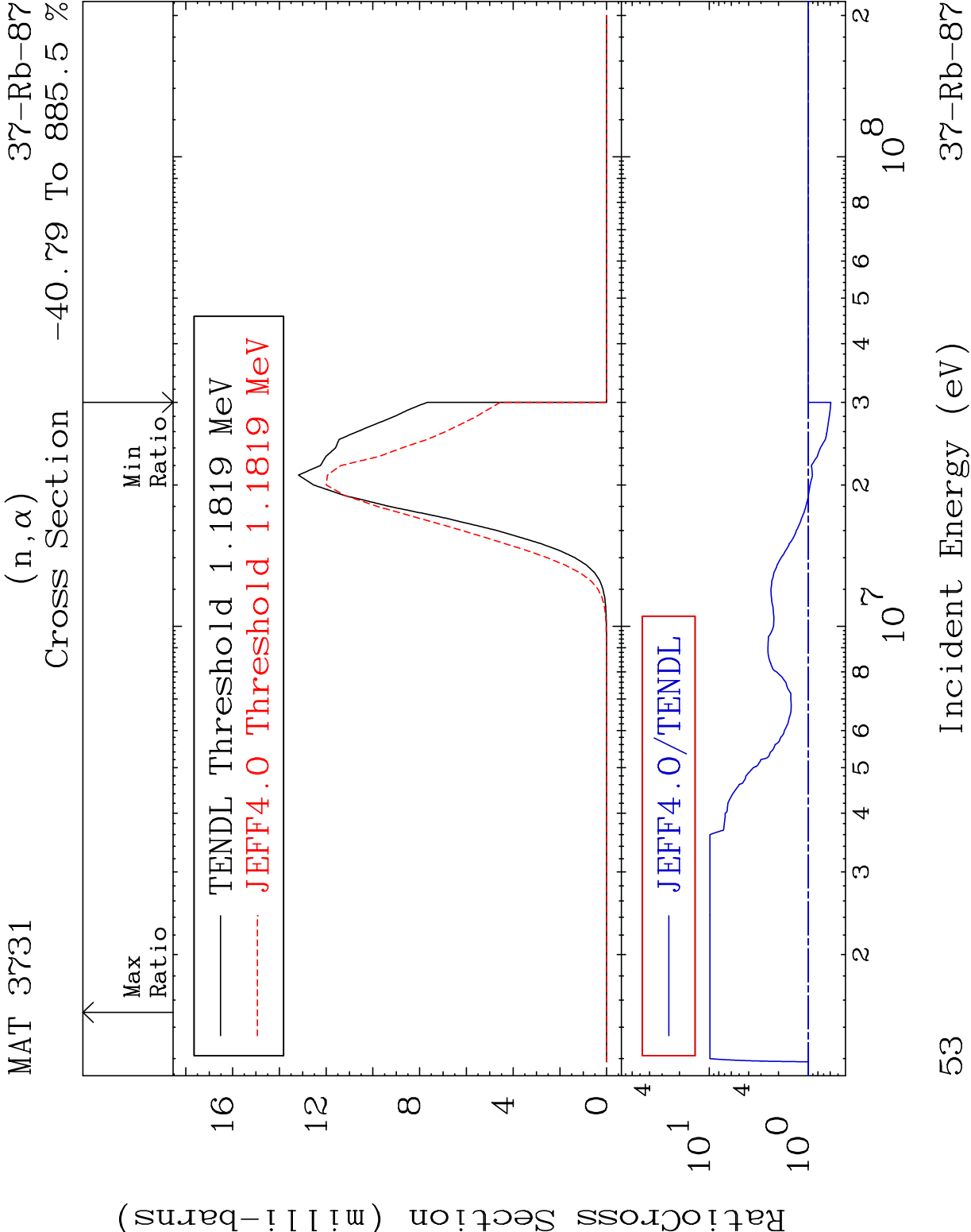


51

Incident Energy (eV)

37-Rb-87



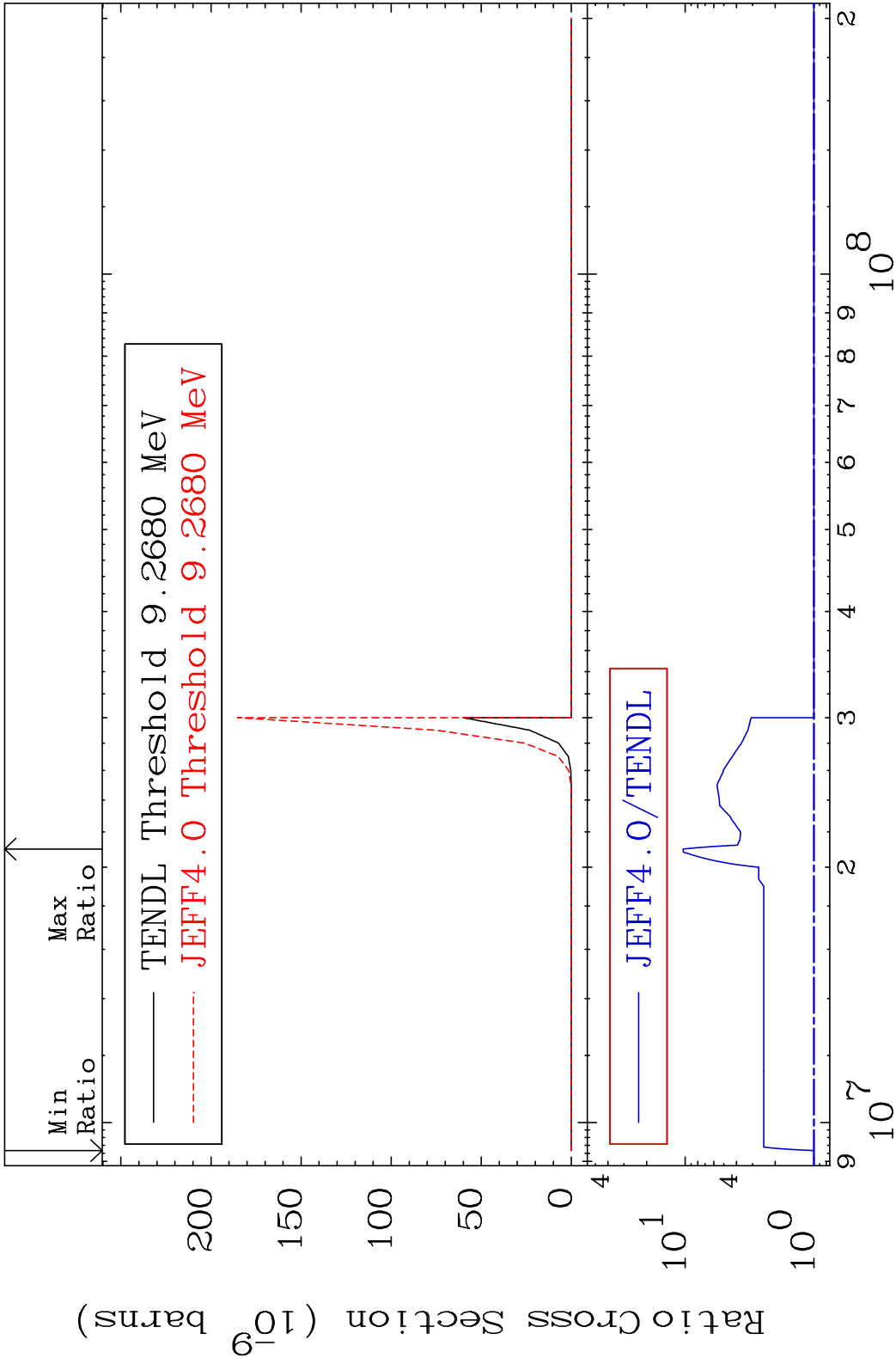


MAT 3731

(n,2α)

37-Rb-87

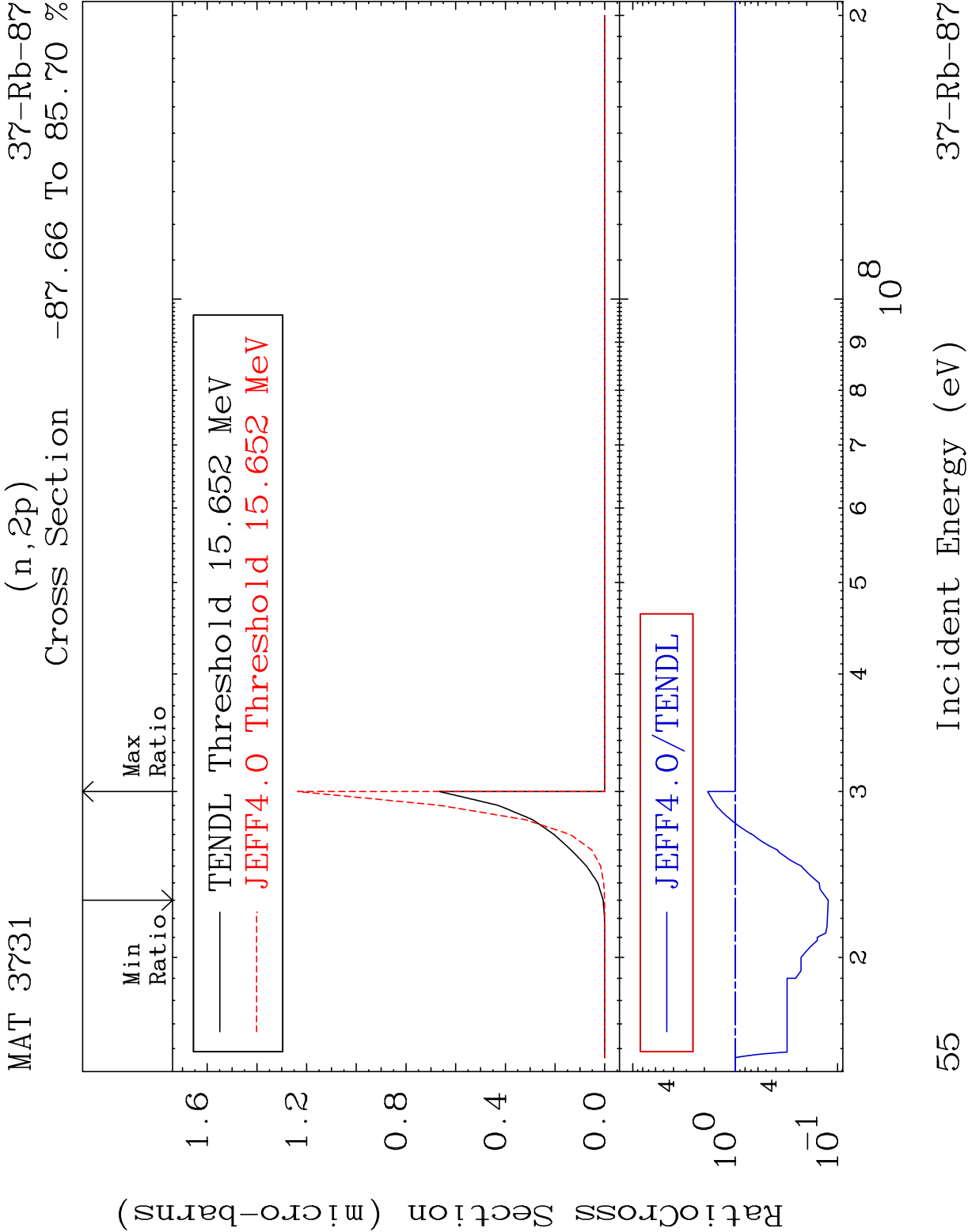
Cross Section 0.000 To 940.3 %

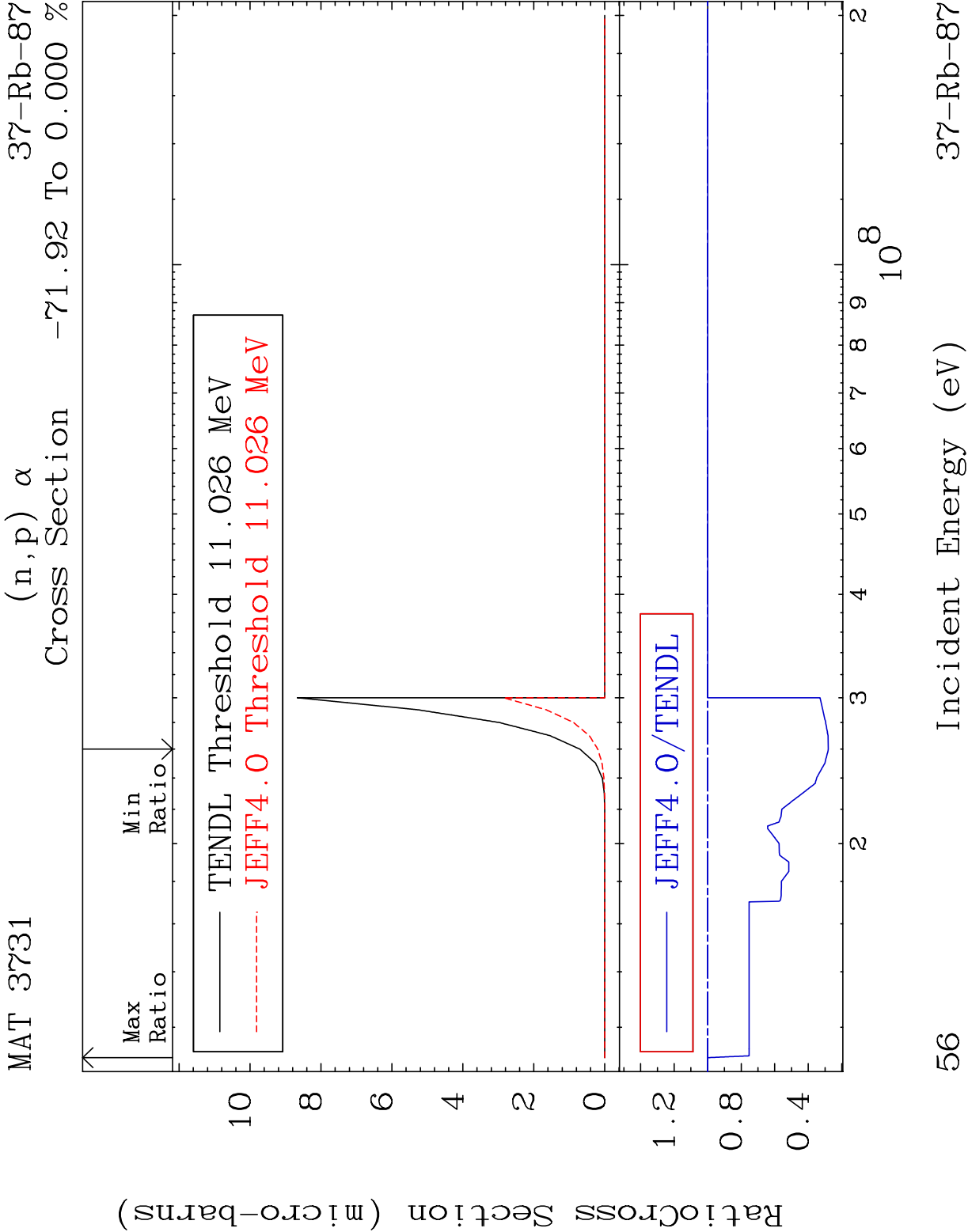


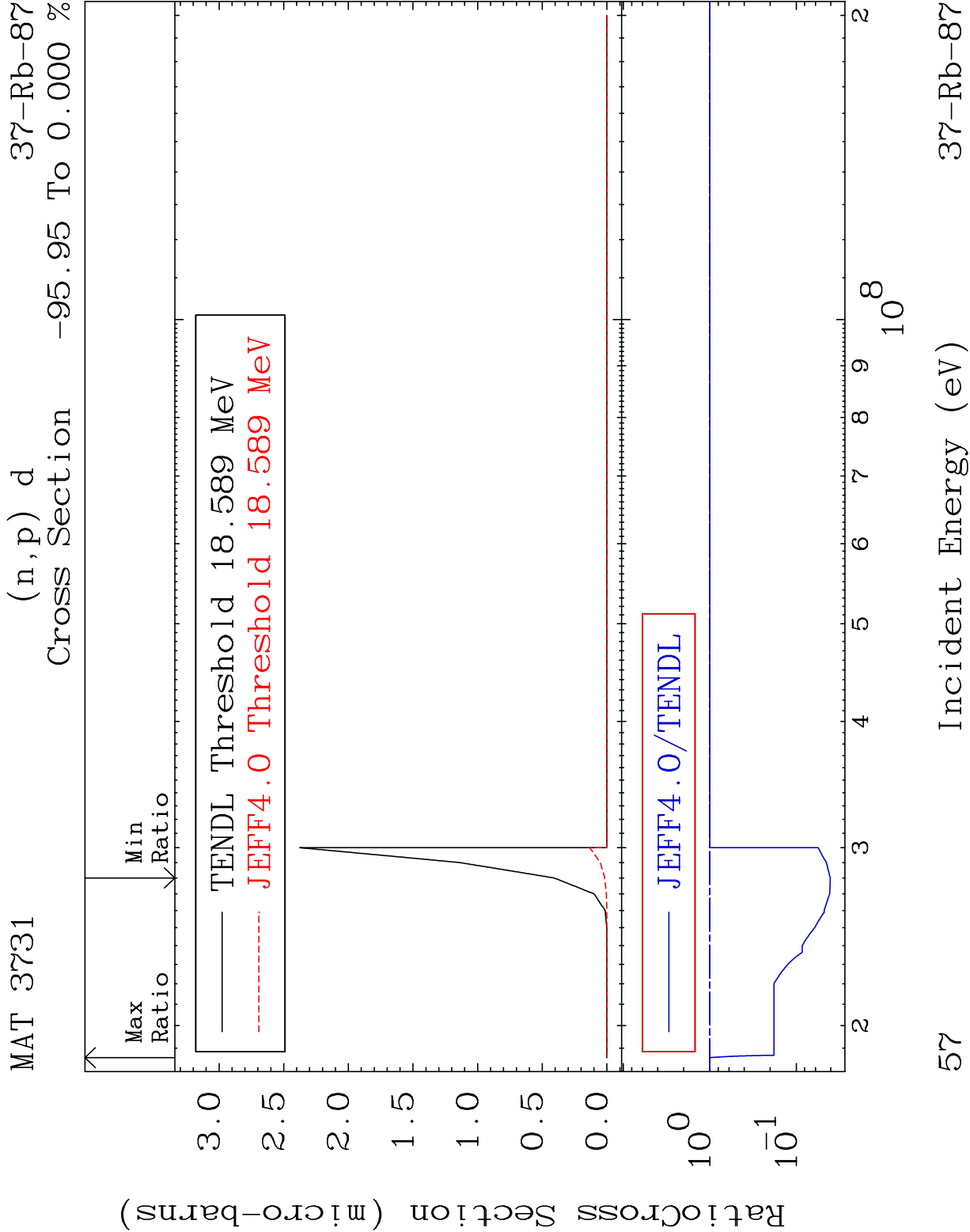
54

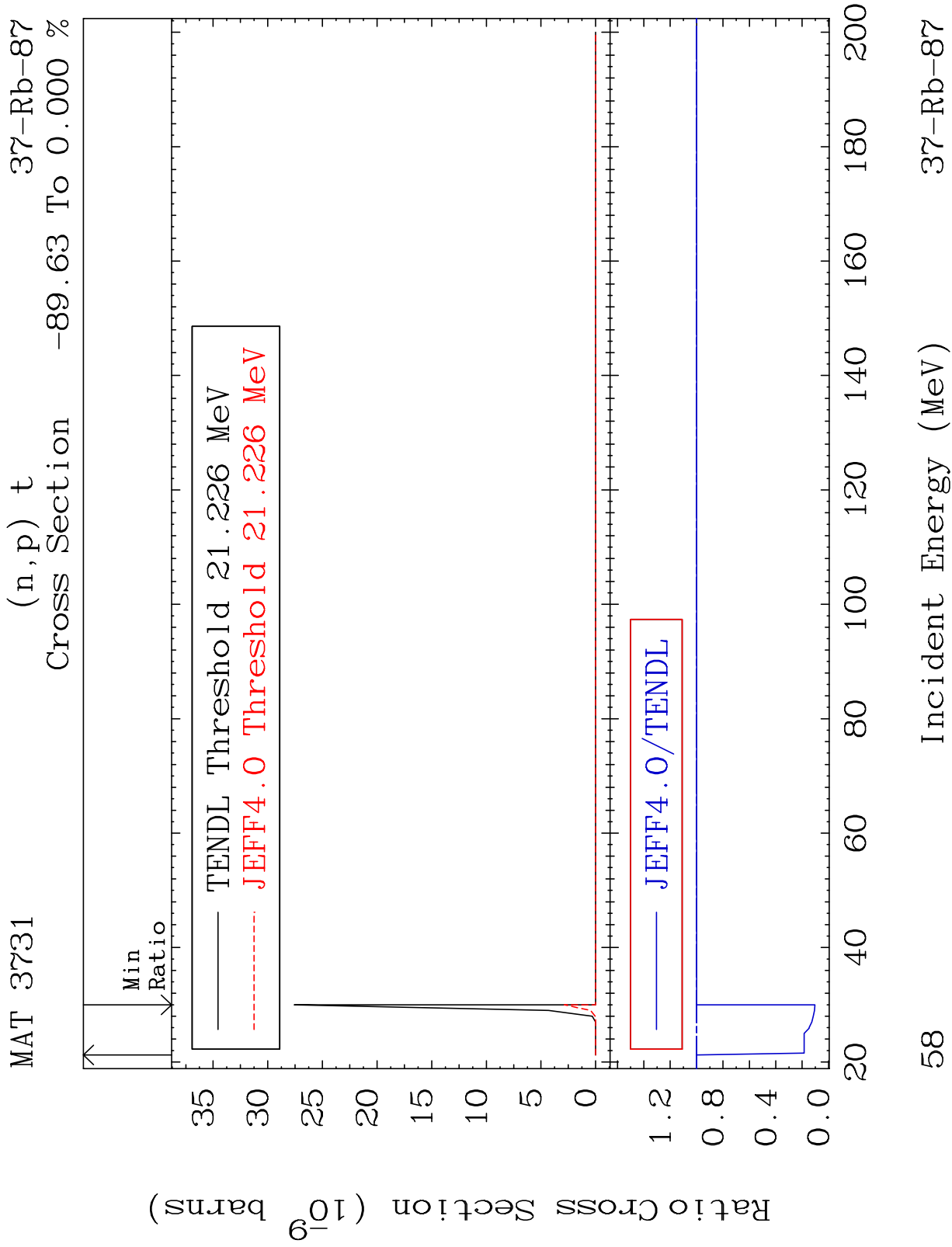
Incident Energy (eV)

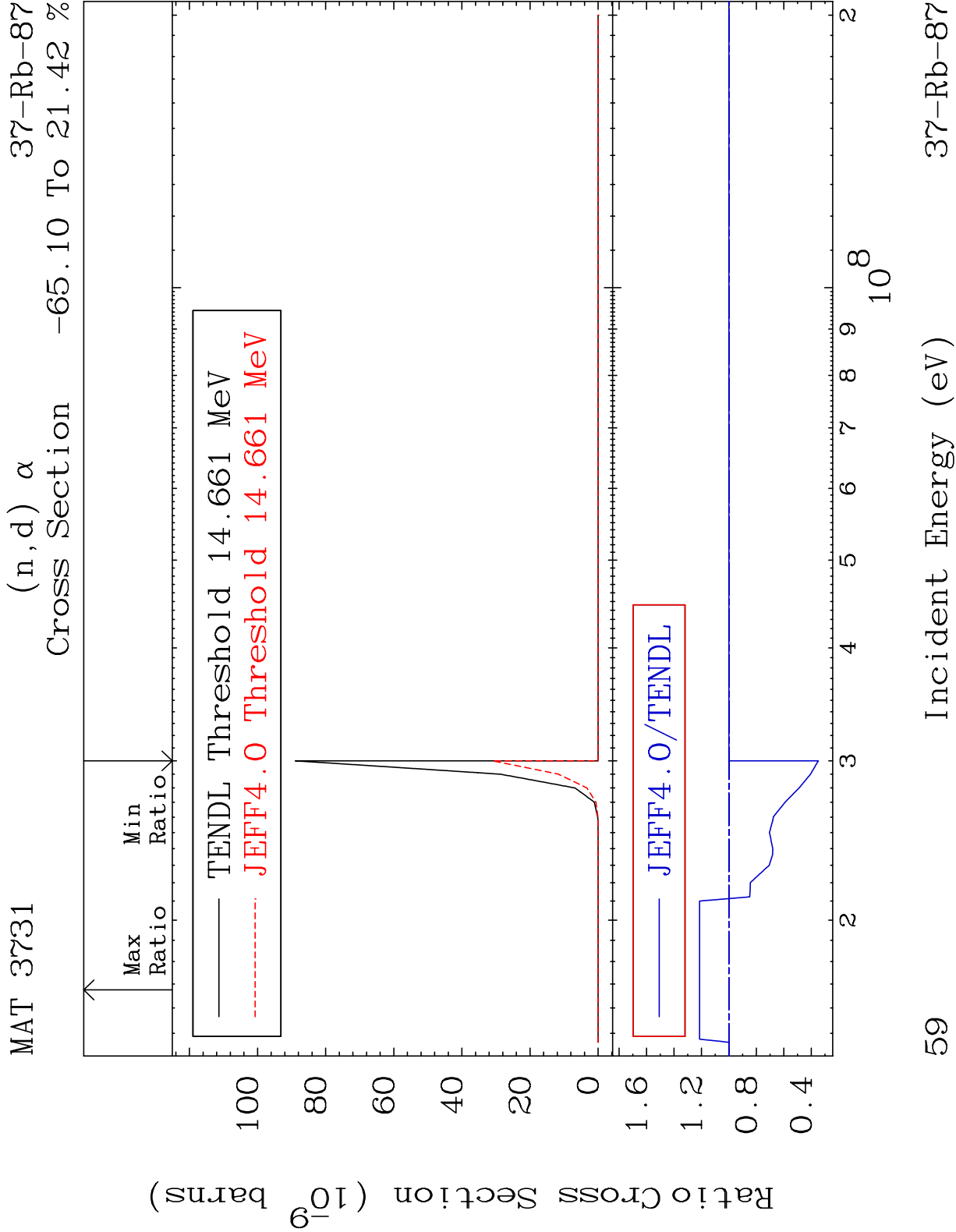
37-Rb-87





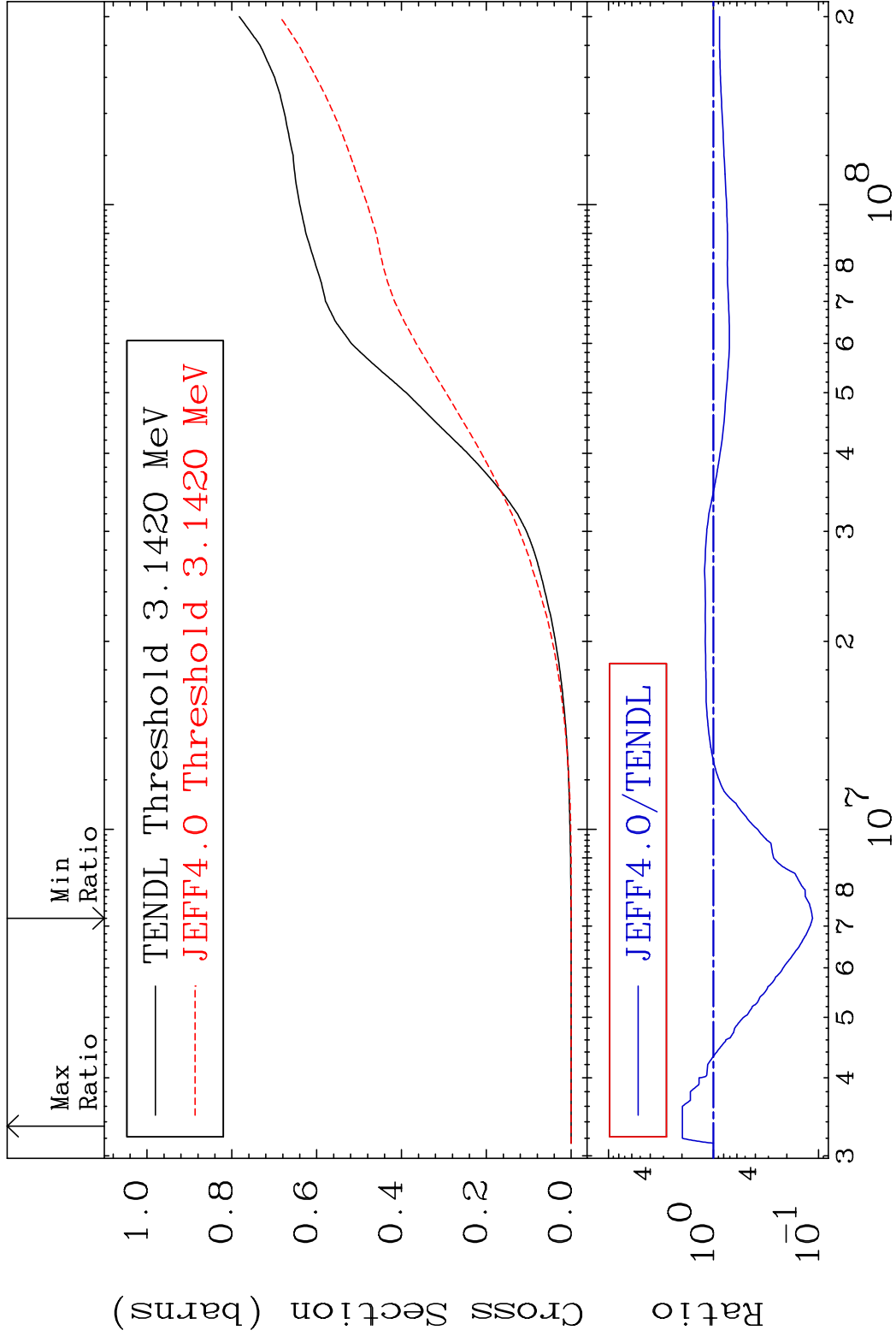




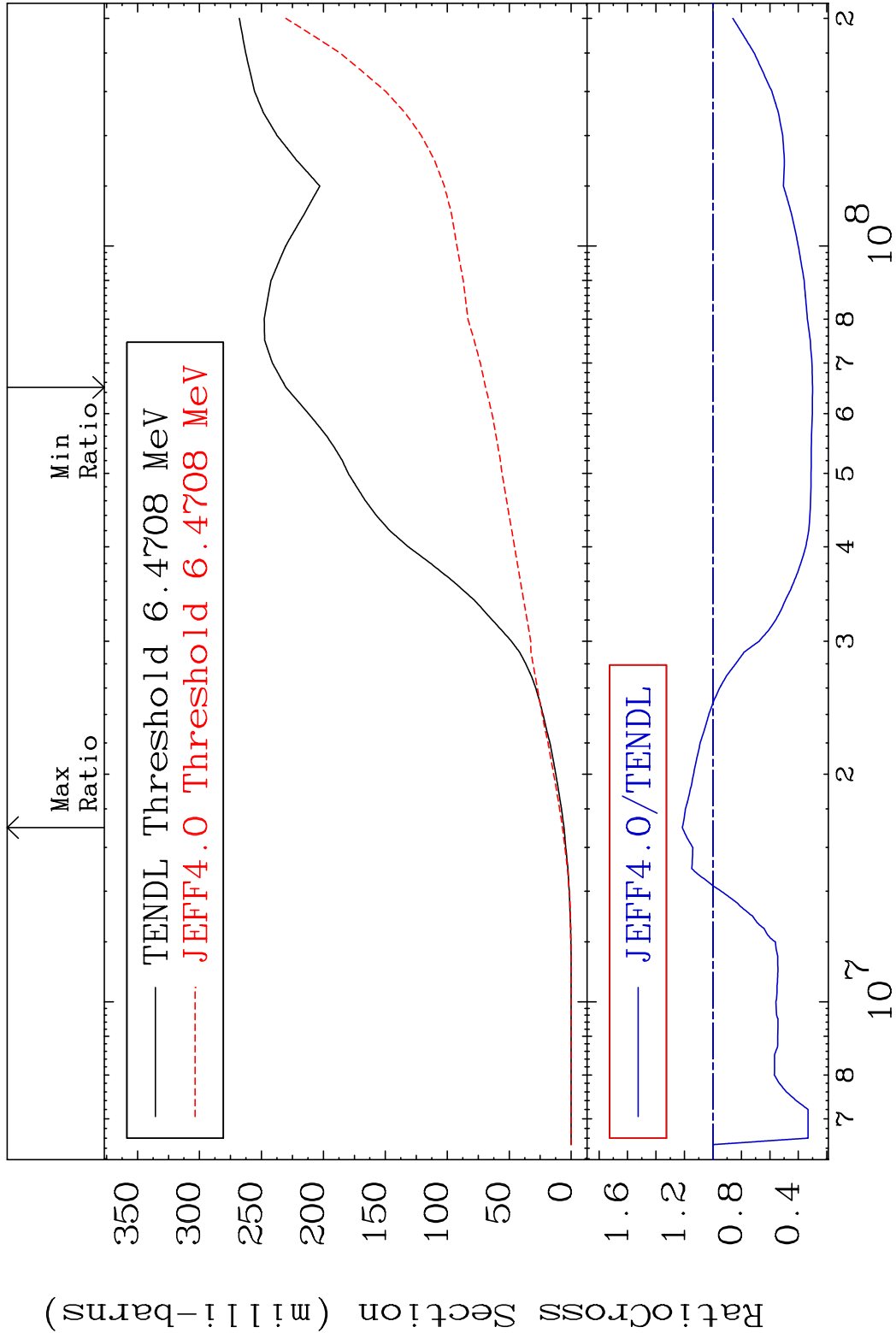


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37-Rb-87



Cross Section -70.00 To 21.48 %



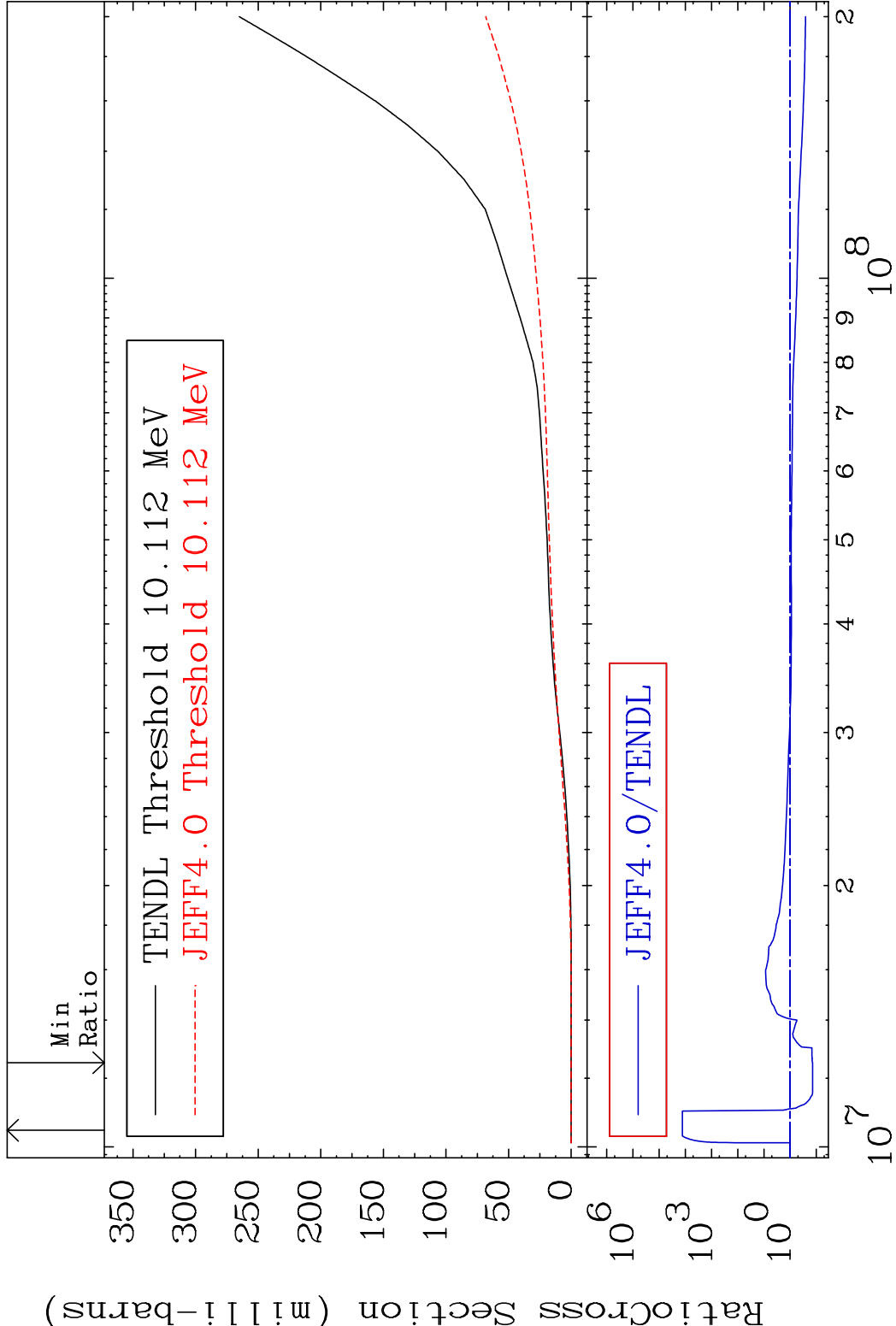
MAT 3731

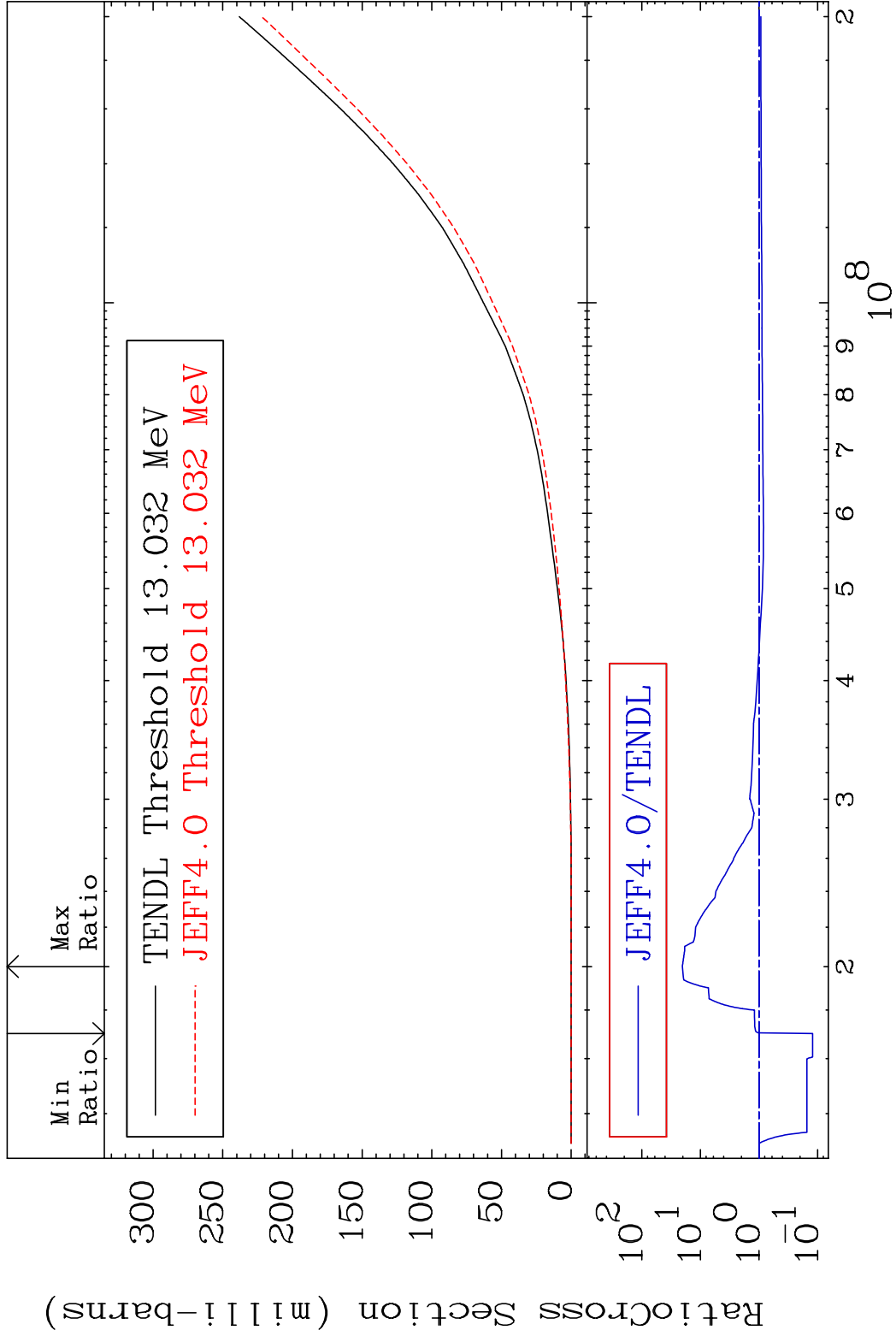
Tritium Production

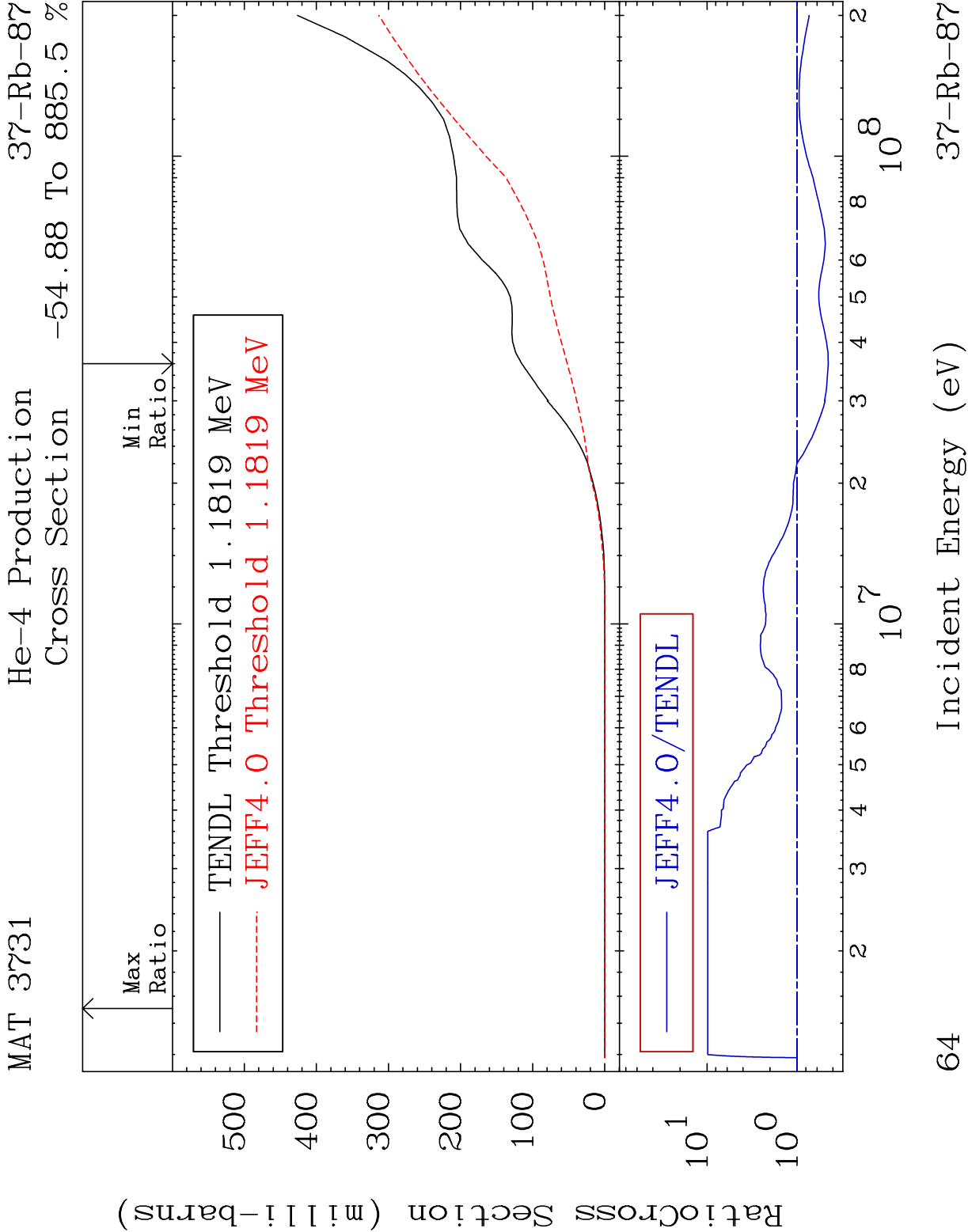
Cross Section

-86.09 To 9999. %

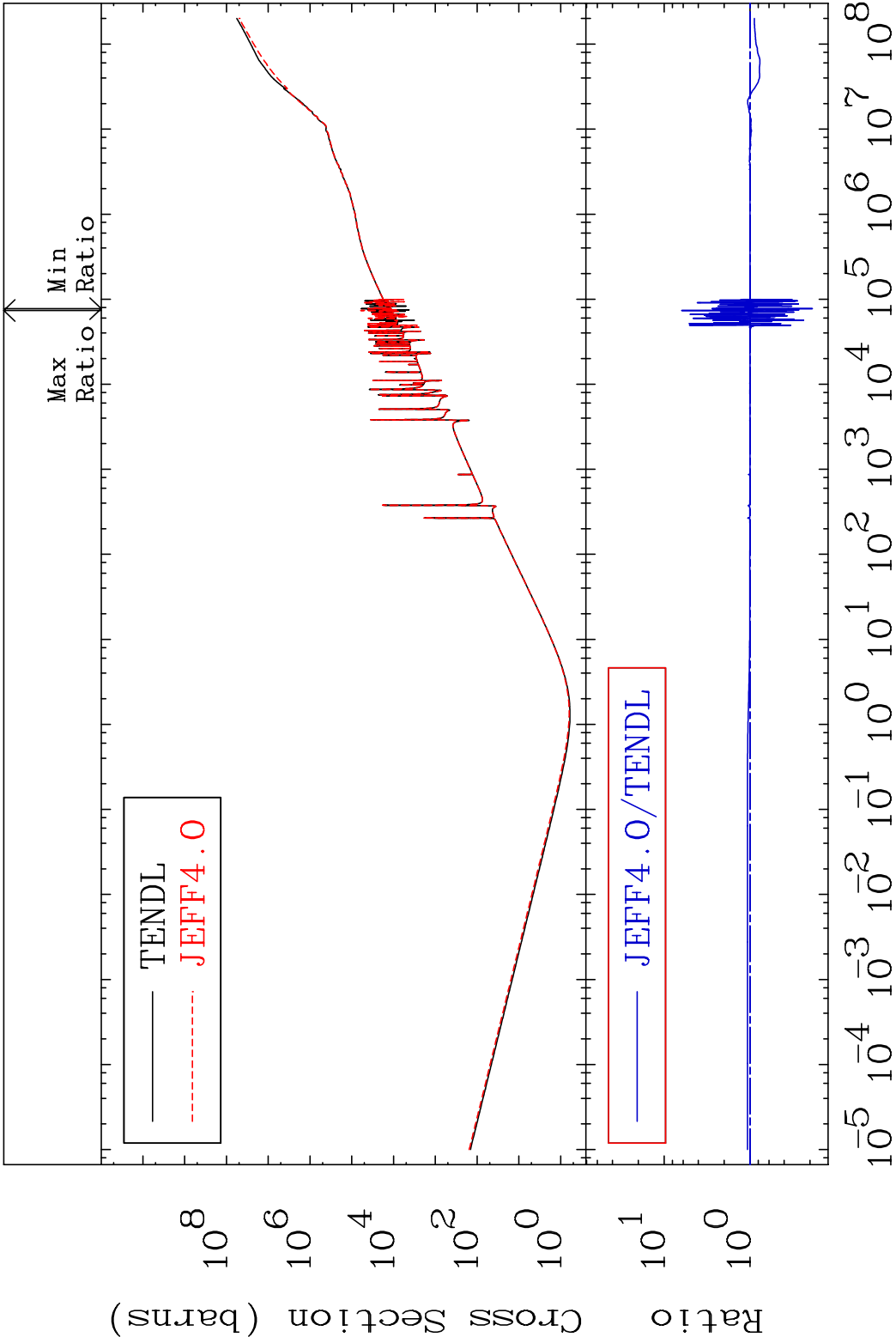
37-Rb-87







MAT 3731 Kerma total (eV-barns) 37-Rb-87
Cross Section -81.19 To 525.9 %

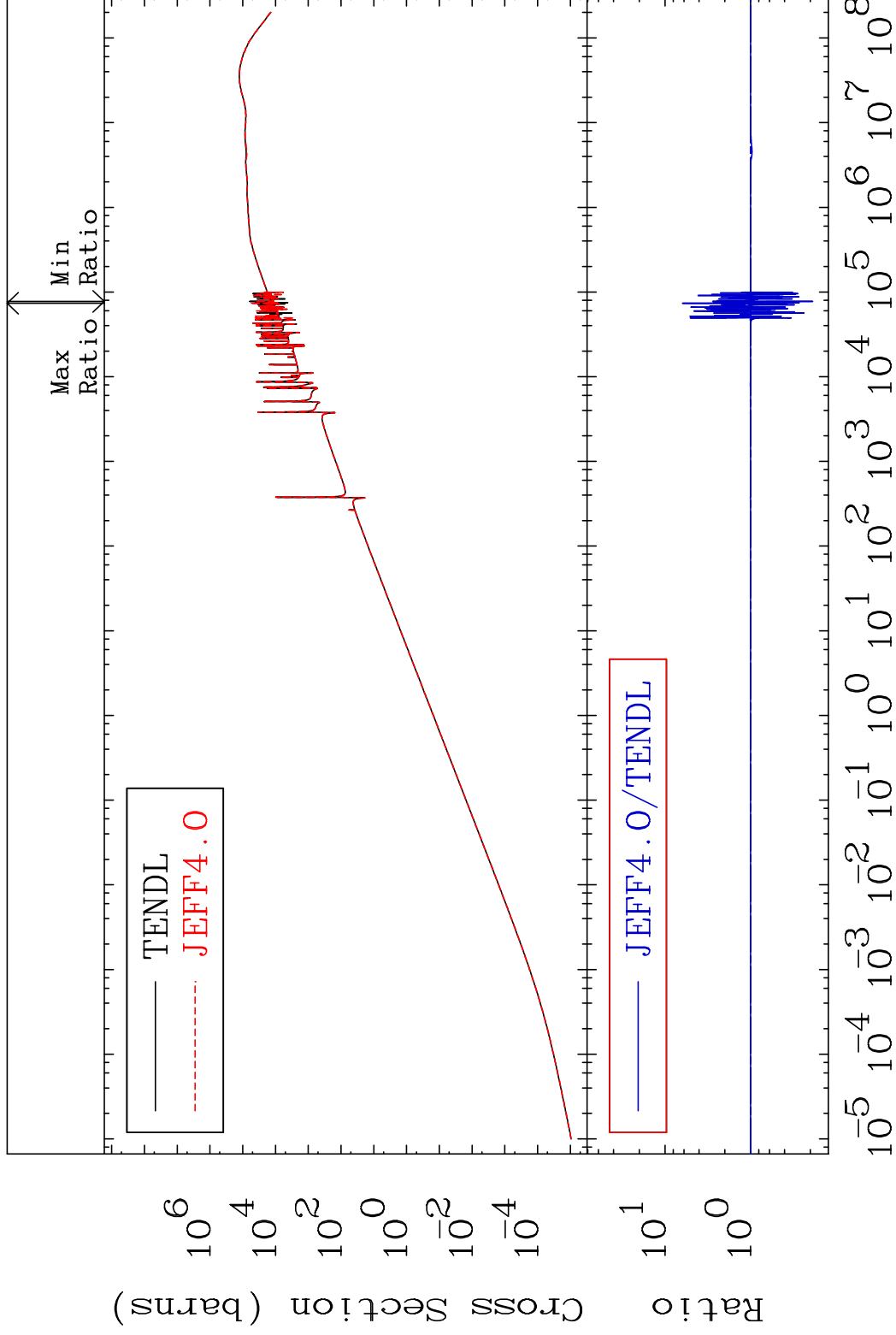


MAT 3731

Kerma elastic
Cross Section

37-Rb-87

-81.19 To 525.9 %

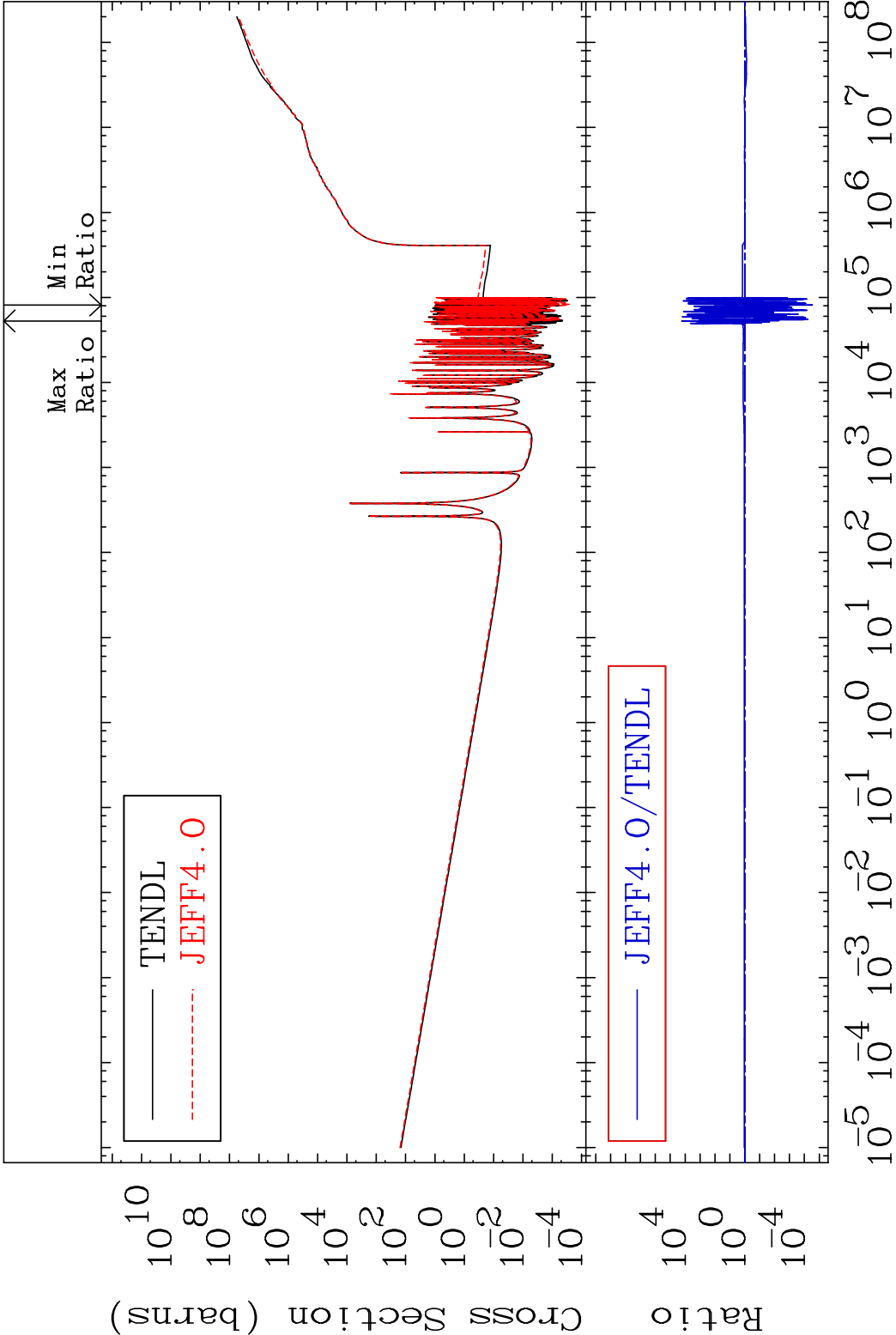


66

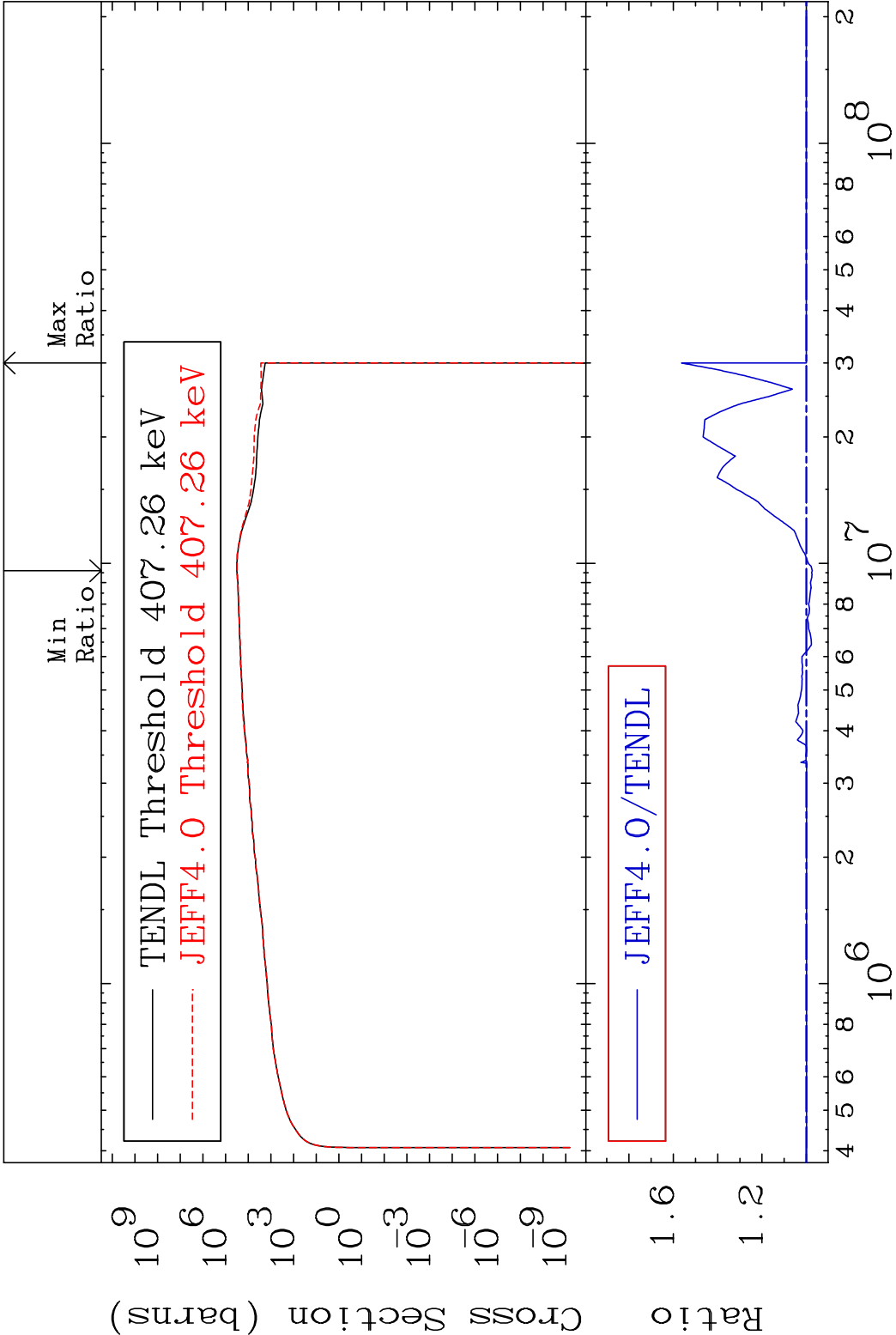
Incident Energy (eV)

37-Rb-87

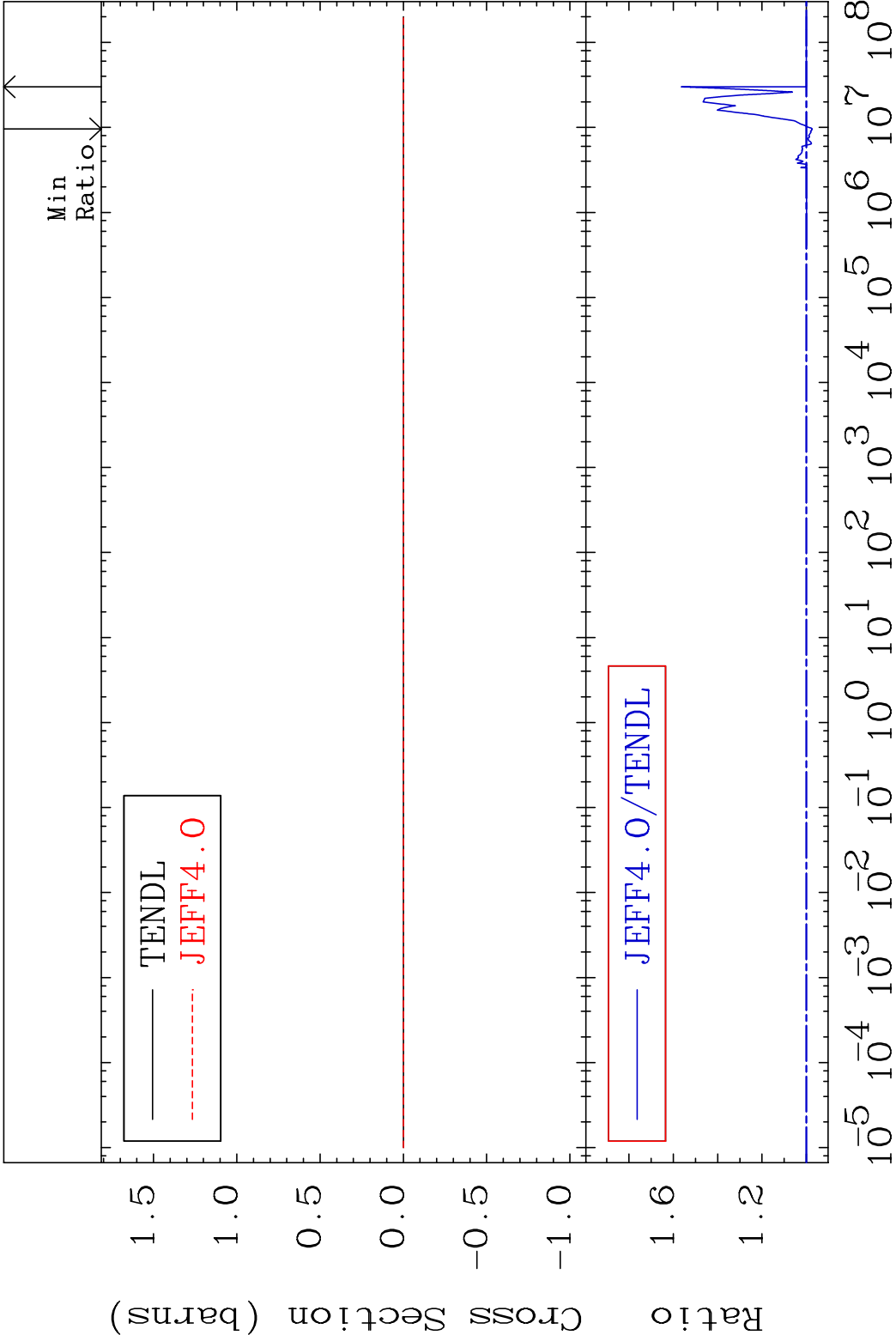
MAT 3731 Kerma non-elastic (all but mt2) 37-Rb-87
Cross Section -100.0 To 9999. %



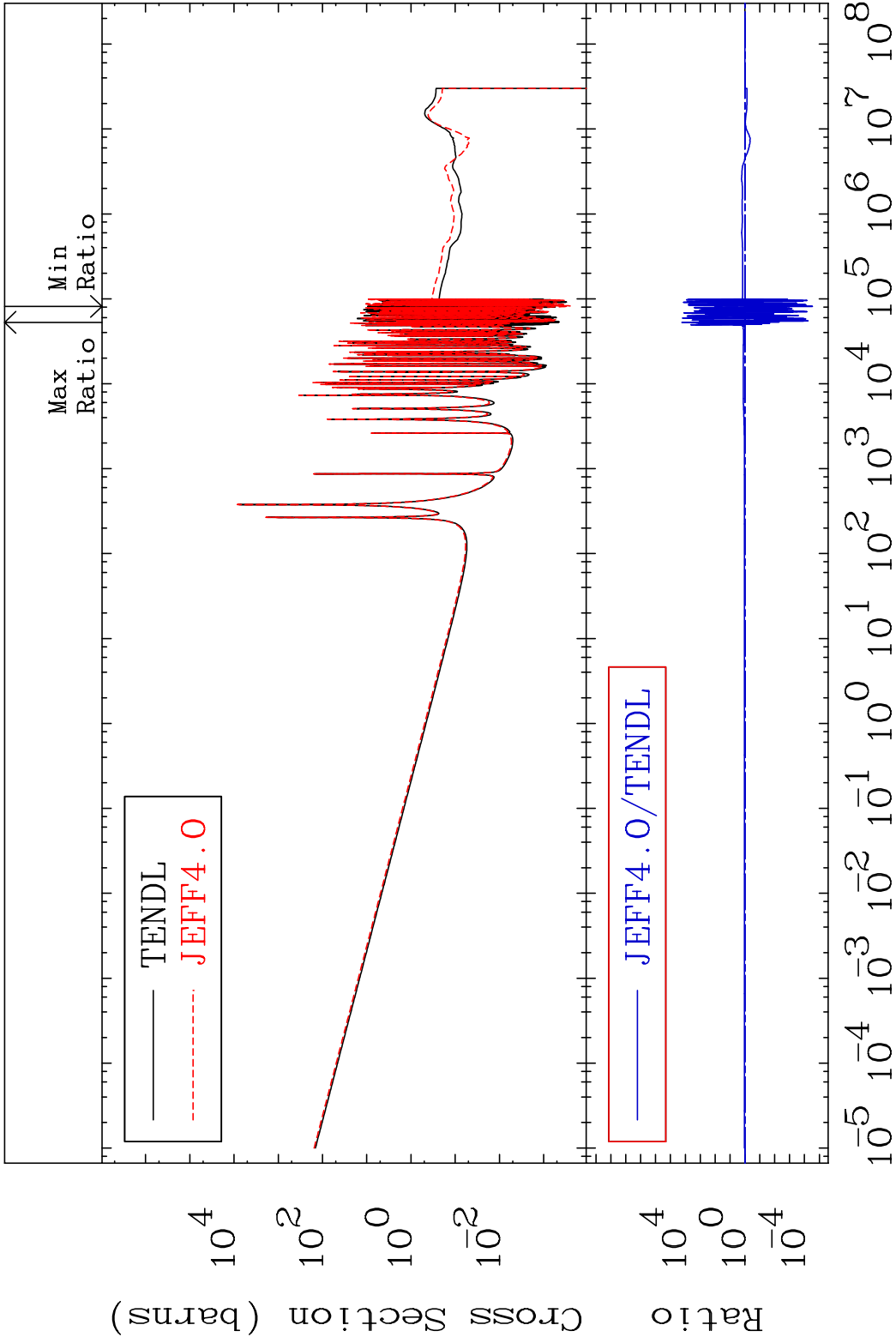
67 Incident Energy (eV) 37-Rb-87



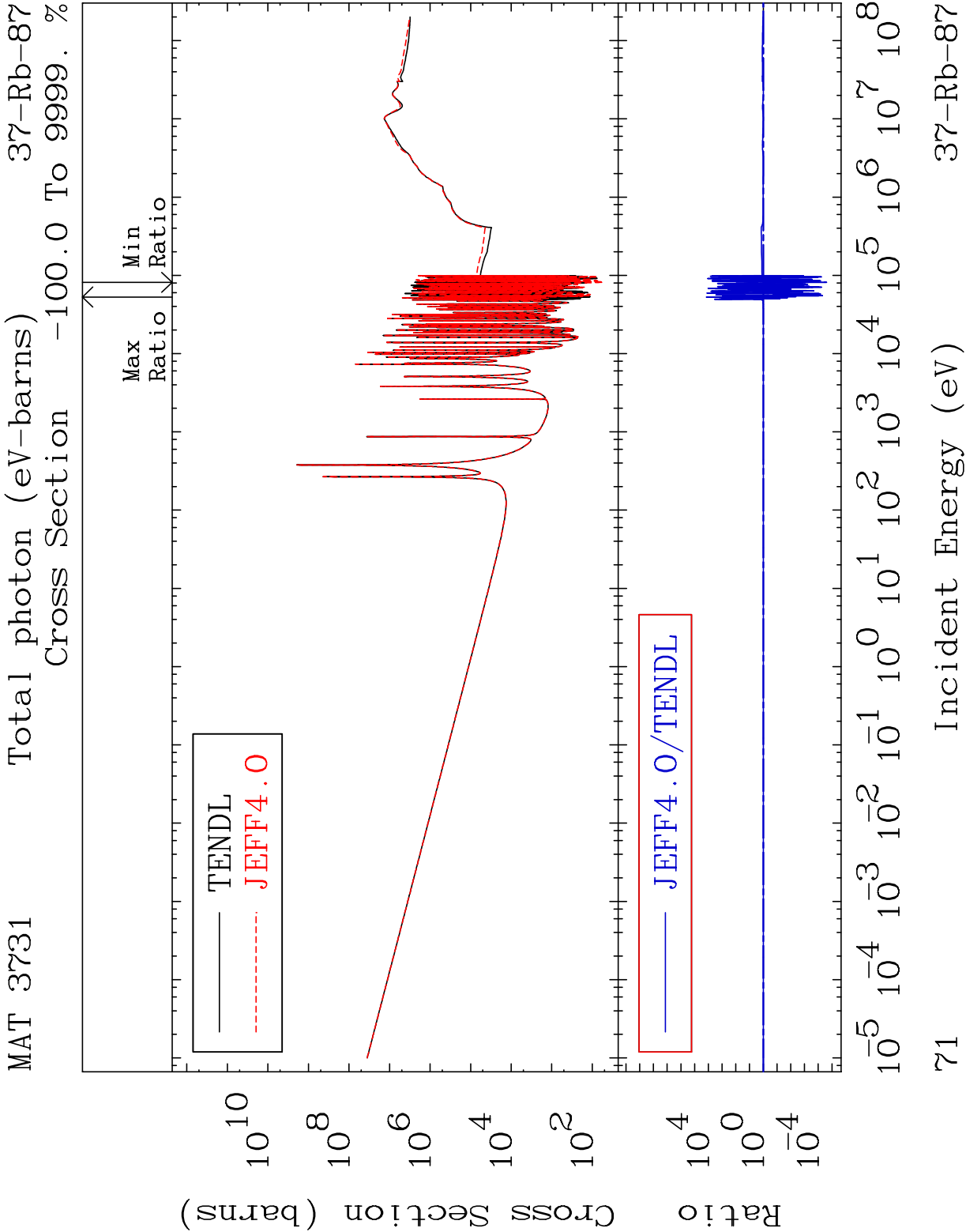
MAT 3731 Kerma fission (mt18 or mt19-20-21-38) 37-Rb-87
Cross Section -2.636 To 56.29 %



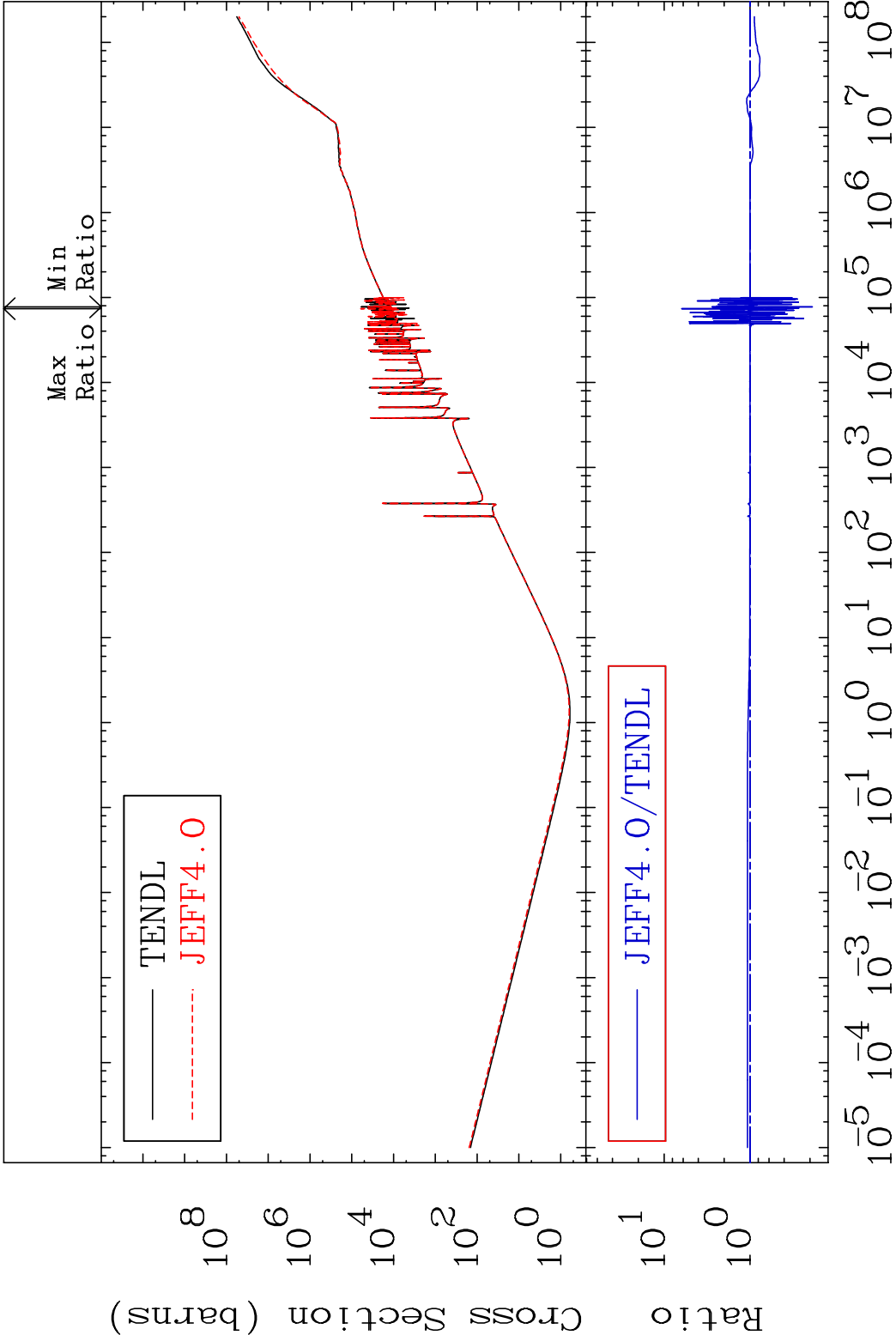
MAT 3731 Kerma capture (mt102) 37-Rb-87
Cross Section -100.0 To 9999. %



70 Incident Energy (eV) 37-Rb-87

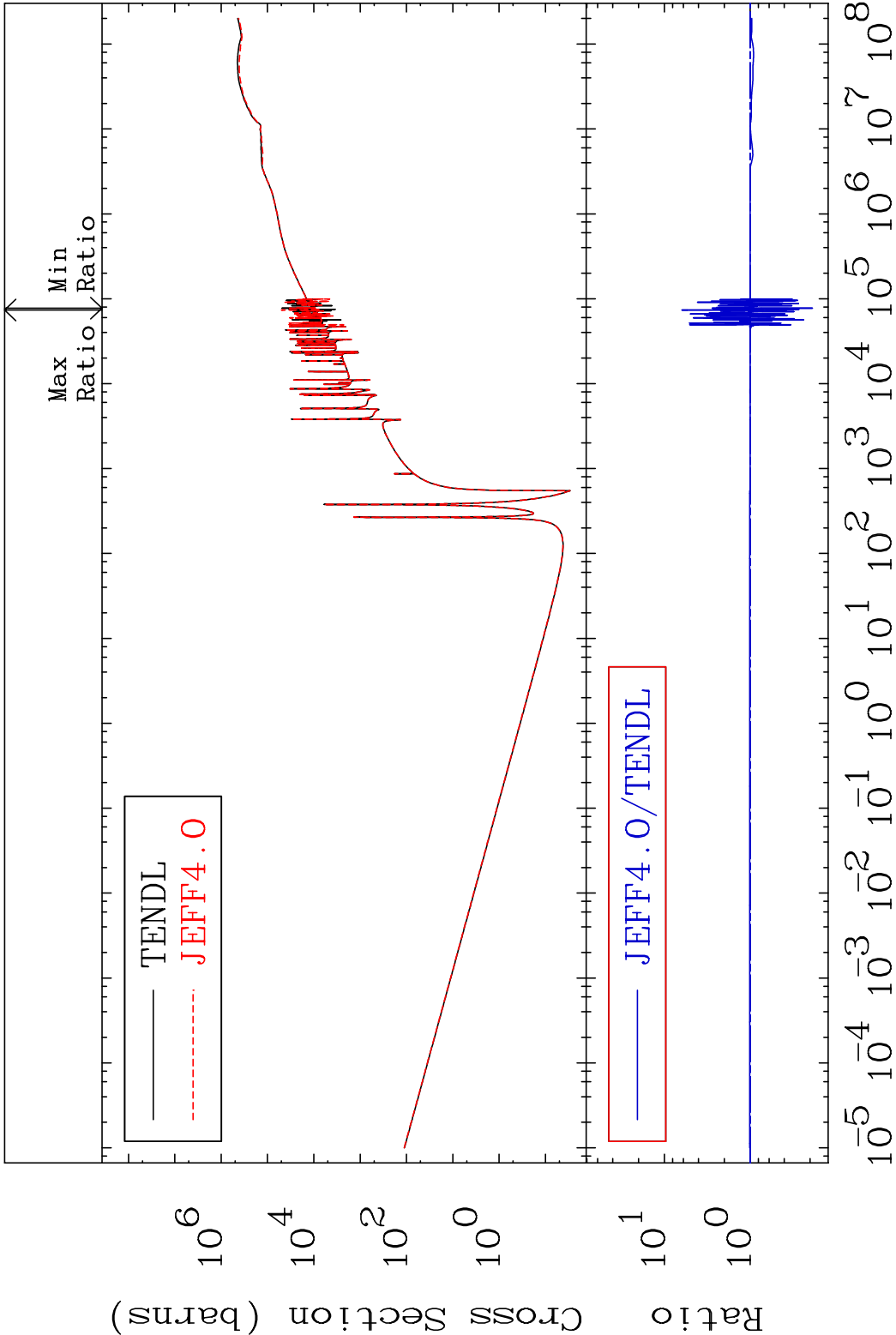


MAT 3731 Total kinematic kerma (high limit) 37-Rb-87
 Cross Section -81.19 To 525.9 %



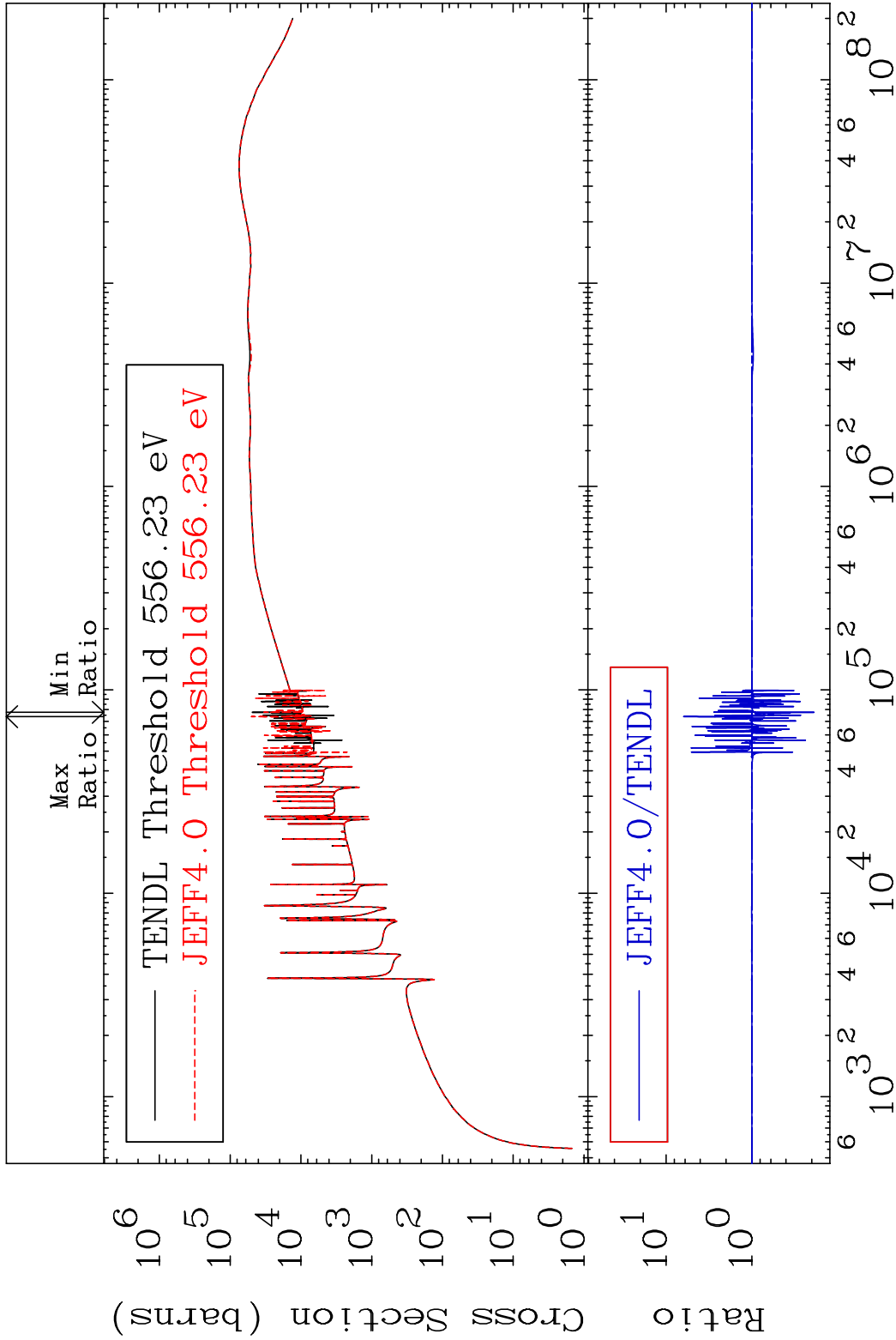
72 Incident Energy (eV) 37-Rb-87

MAT 3731 Dpa total (eV-barns) 37-Rb-87
Cross Section -81.19 To 525.9 %

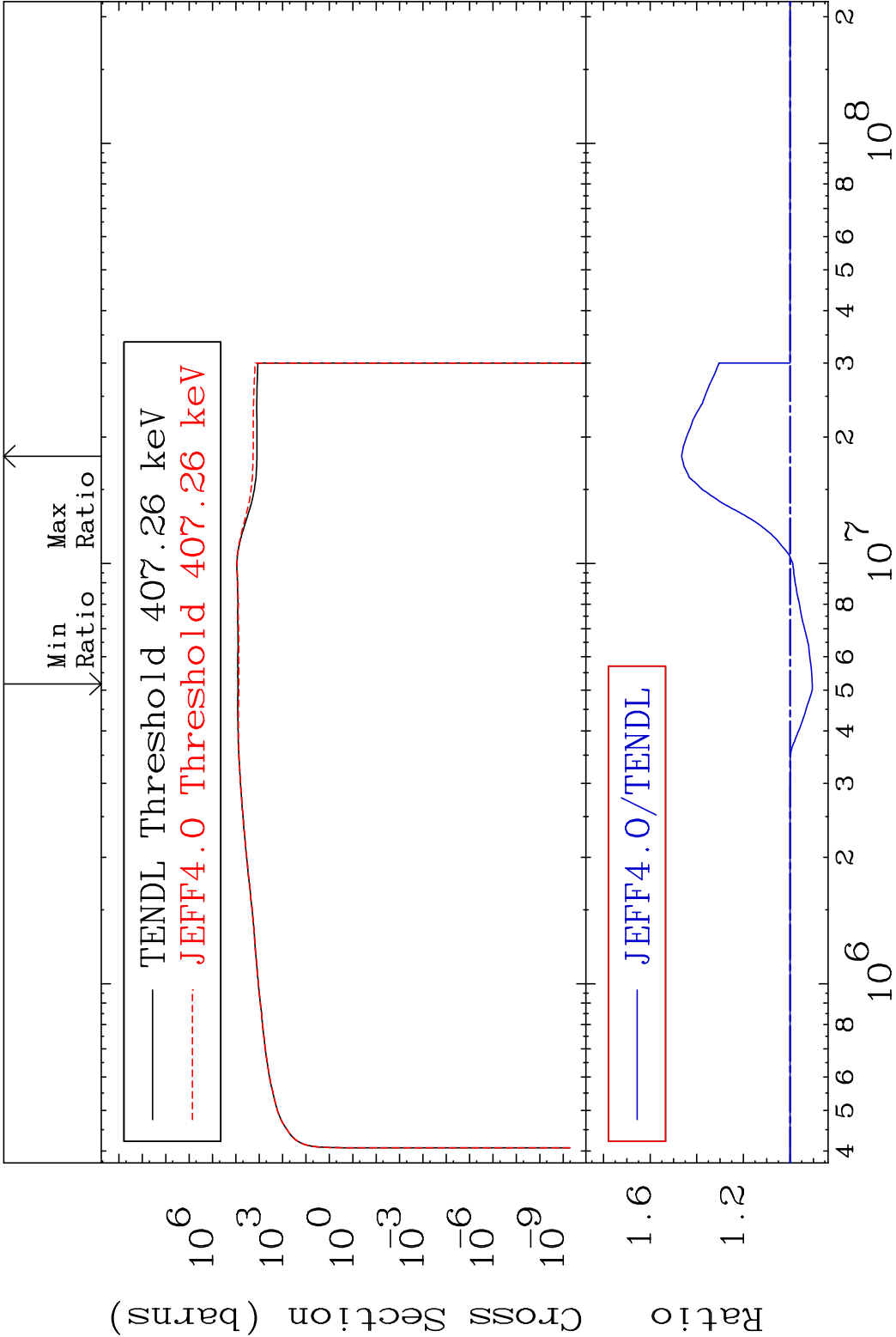


73 Incident Energy (eV) 37-Rb-87

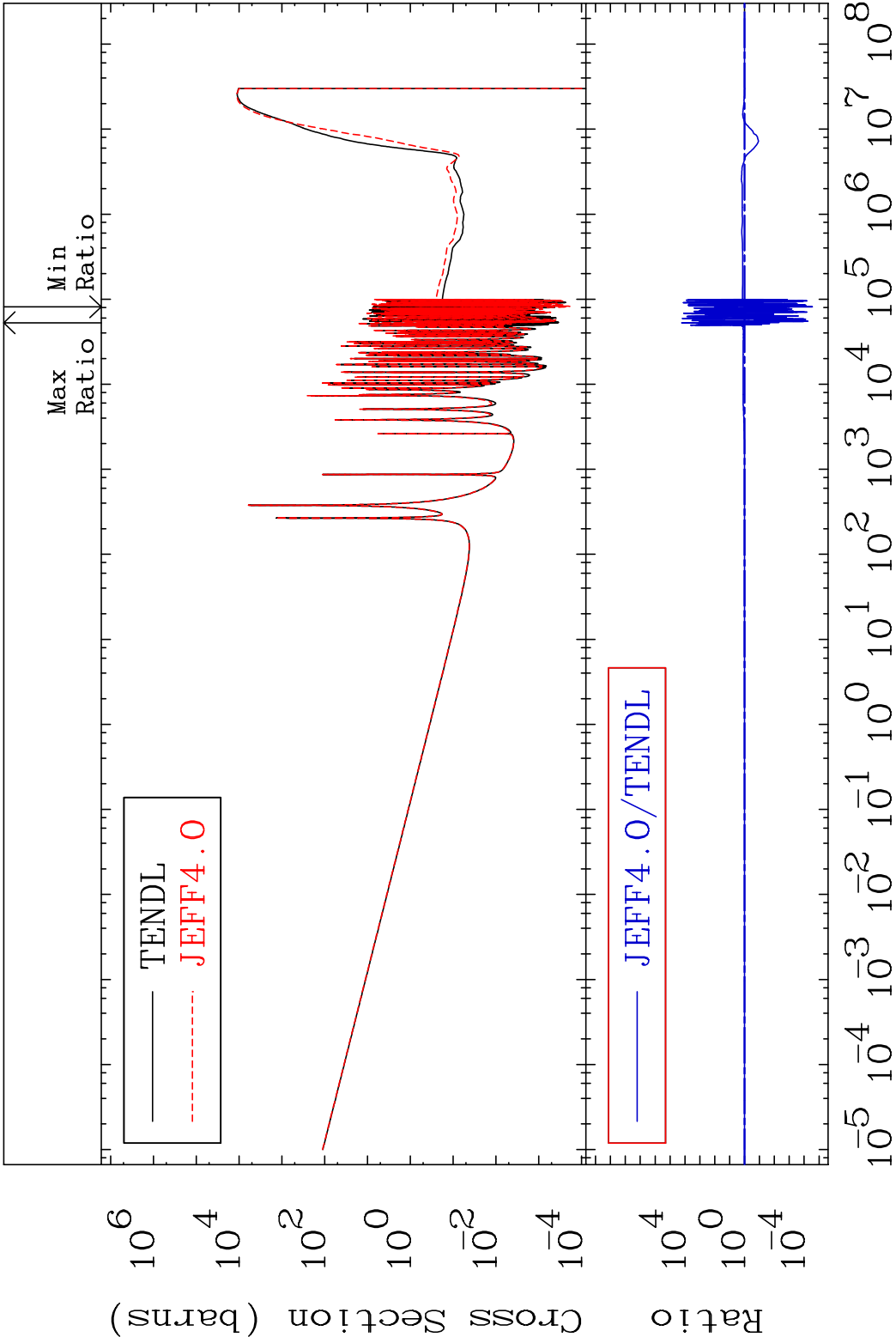
MAT 3731 Dpa elastic (mt2) 37-Rb-87
 Cross Section -81.19 To 525.9 %



74 Incident Energy (eV) 37-Rb-87



MAT 3731 Dpa disappearance (mt102 -120) 37-Rb-87
Cross Section -100.0 To 9999. %



76 Incident Energy (eV) 37-Rb-87

