

Program Complot
(Version 2021-1)

by

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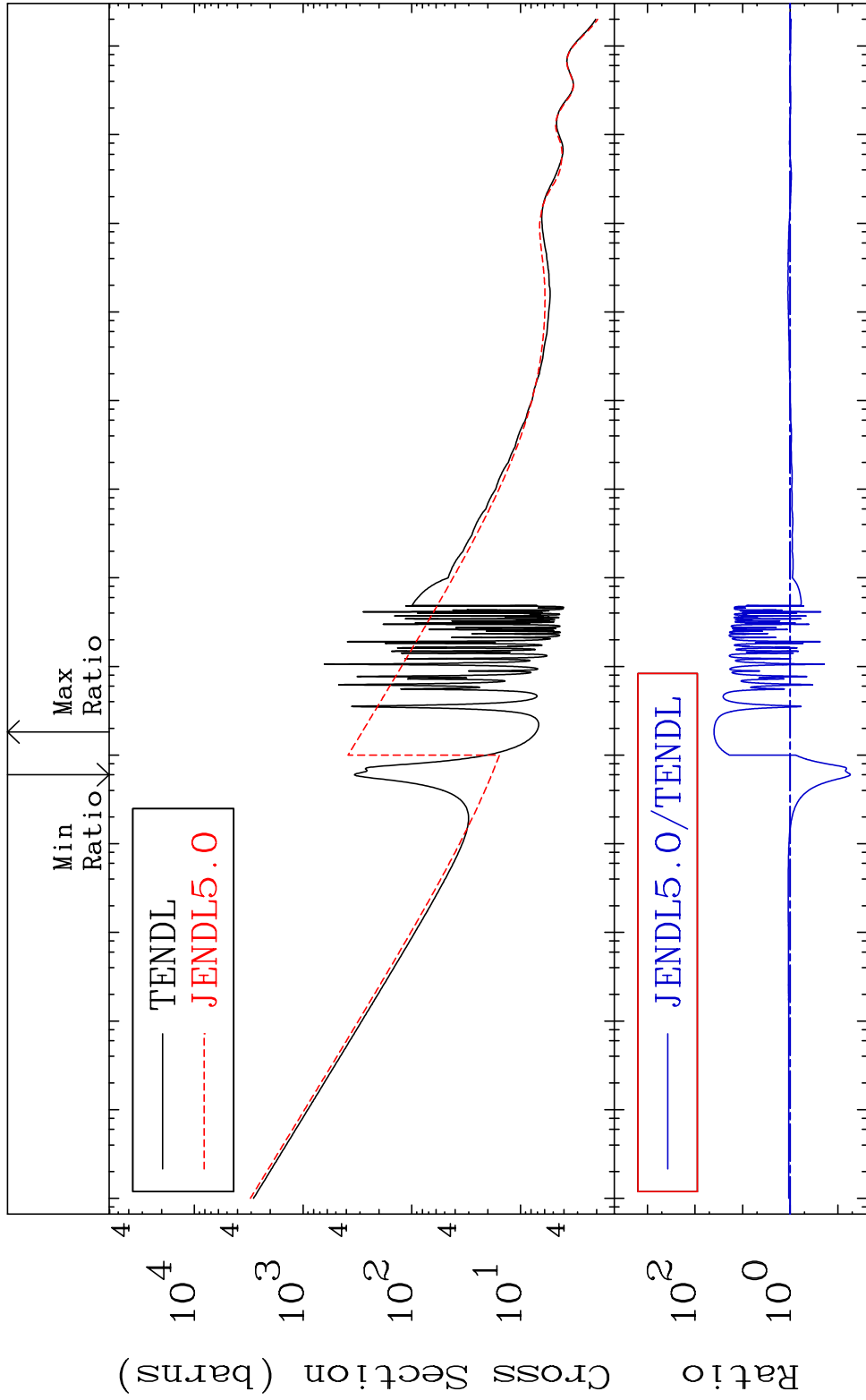
Press Mouse Button to Start

MAT 5316

Total

53-I -124

Cross Section -94.52 To 3884. %



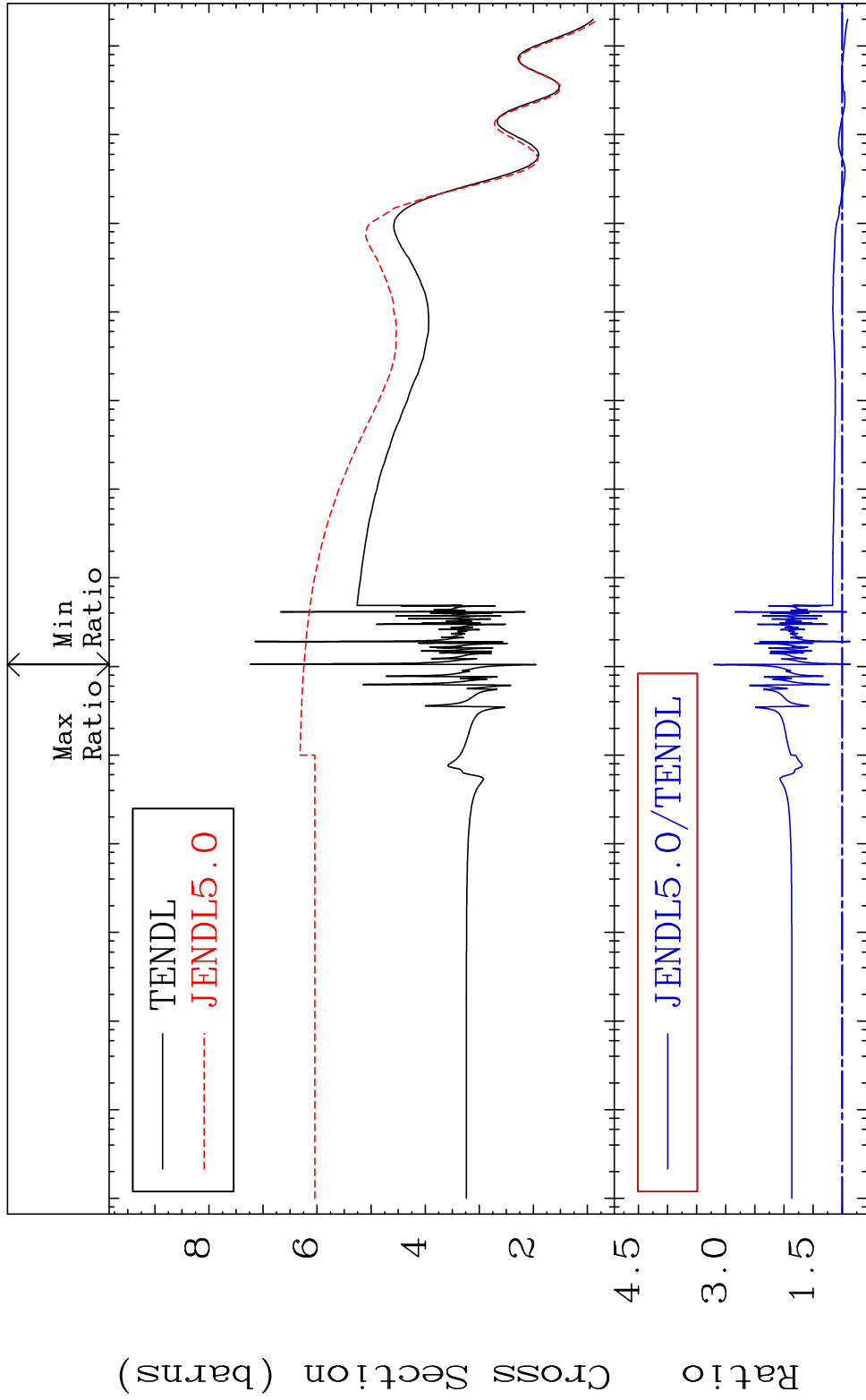
1 Incident Energy (eV) 53-I -124

MAT 5316

Elastic

53-I -124

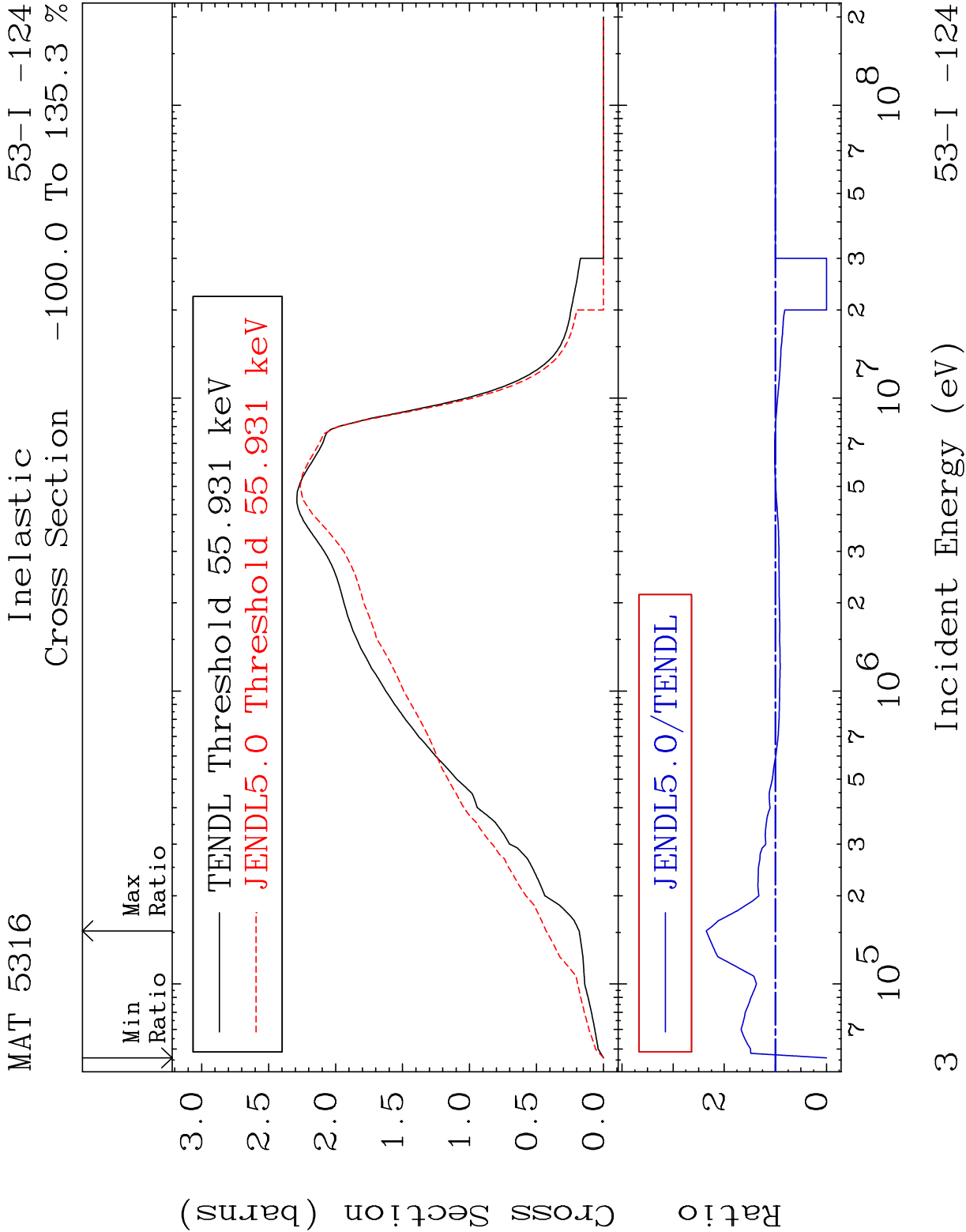
Cross Section -13.71 To 220.2 %



2

Incident Energy (eV)

53-I -124

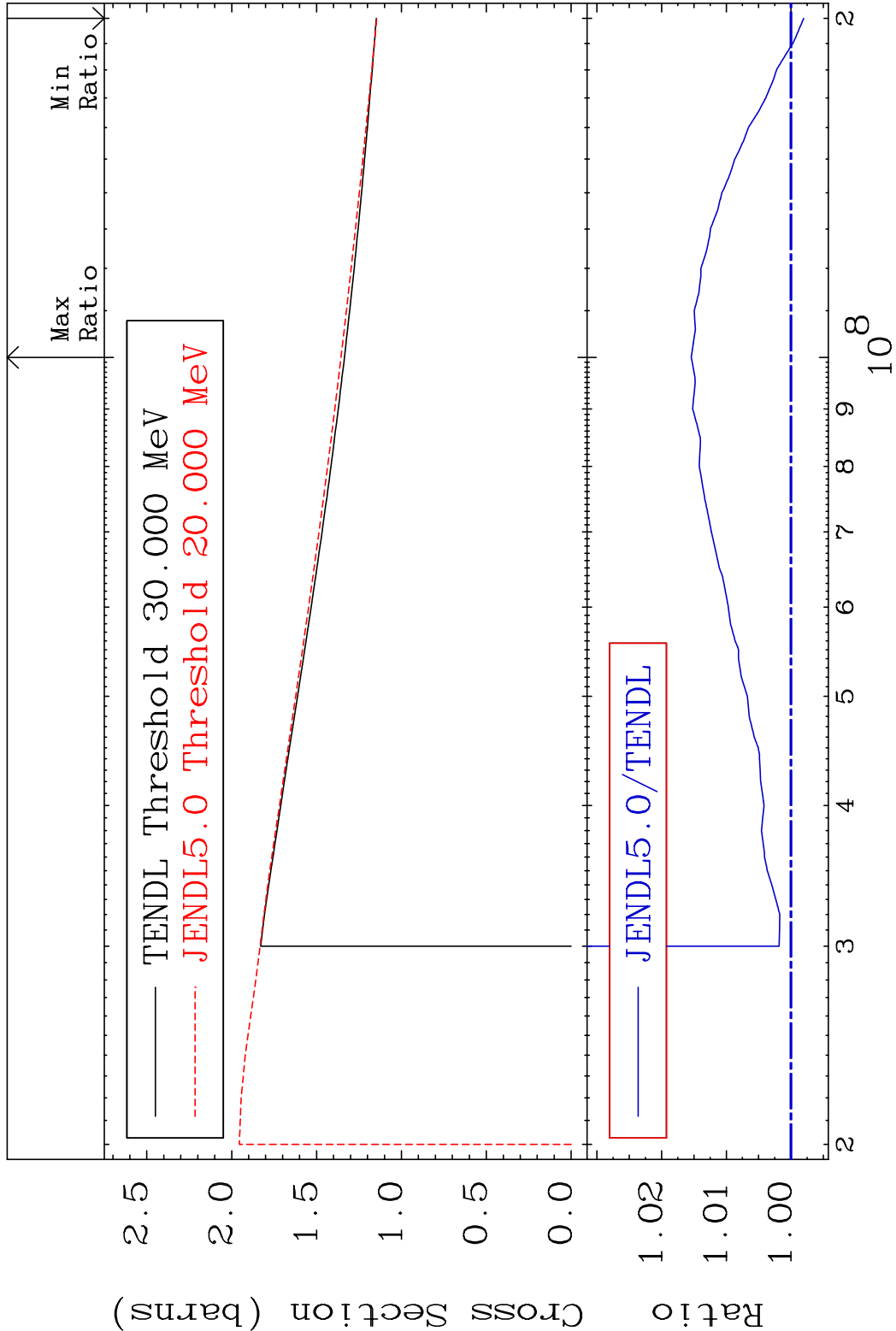


MAT 5316

(n, remainder)

53-I -124

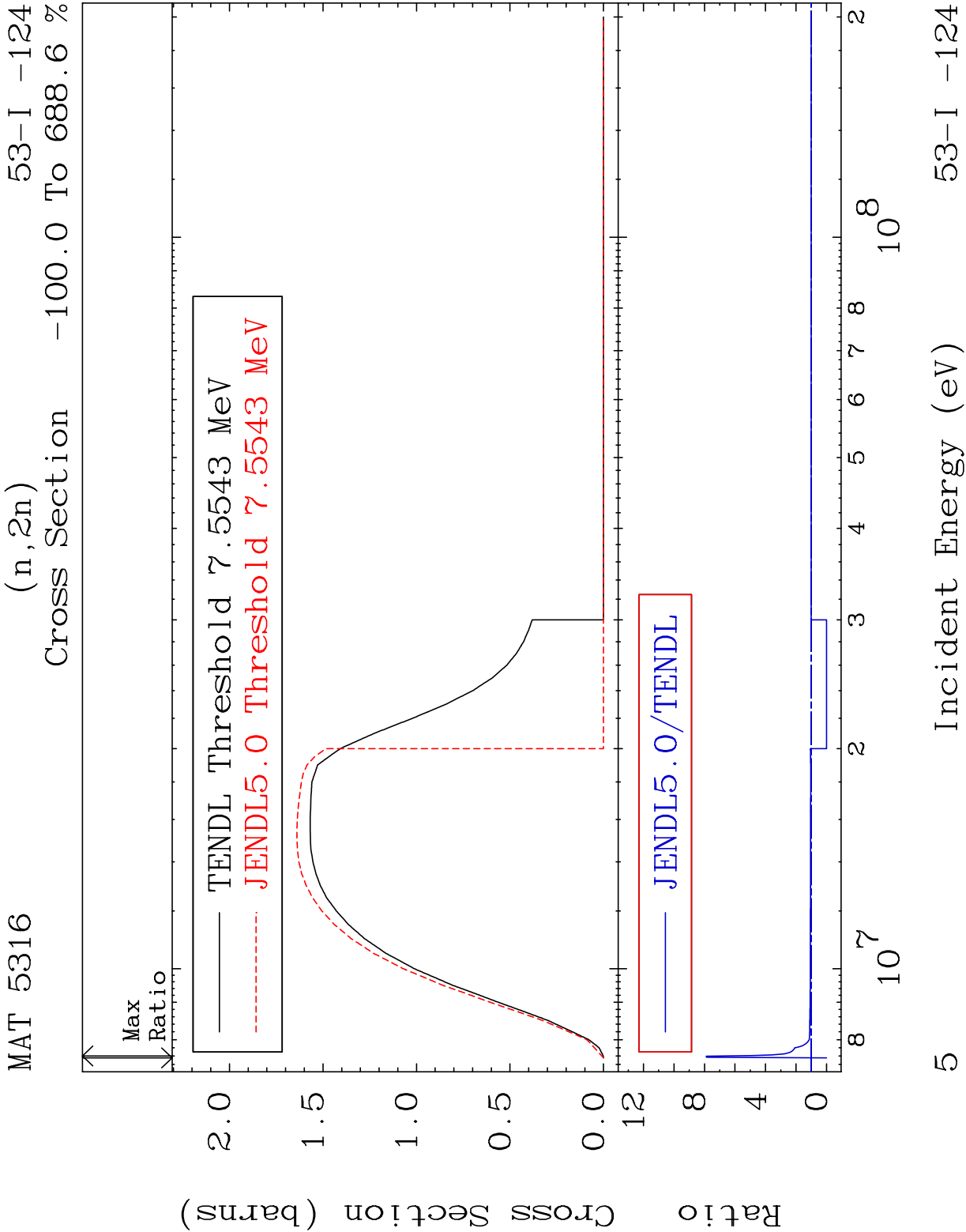
Cross Section -0.196 To 1.542 %

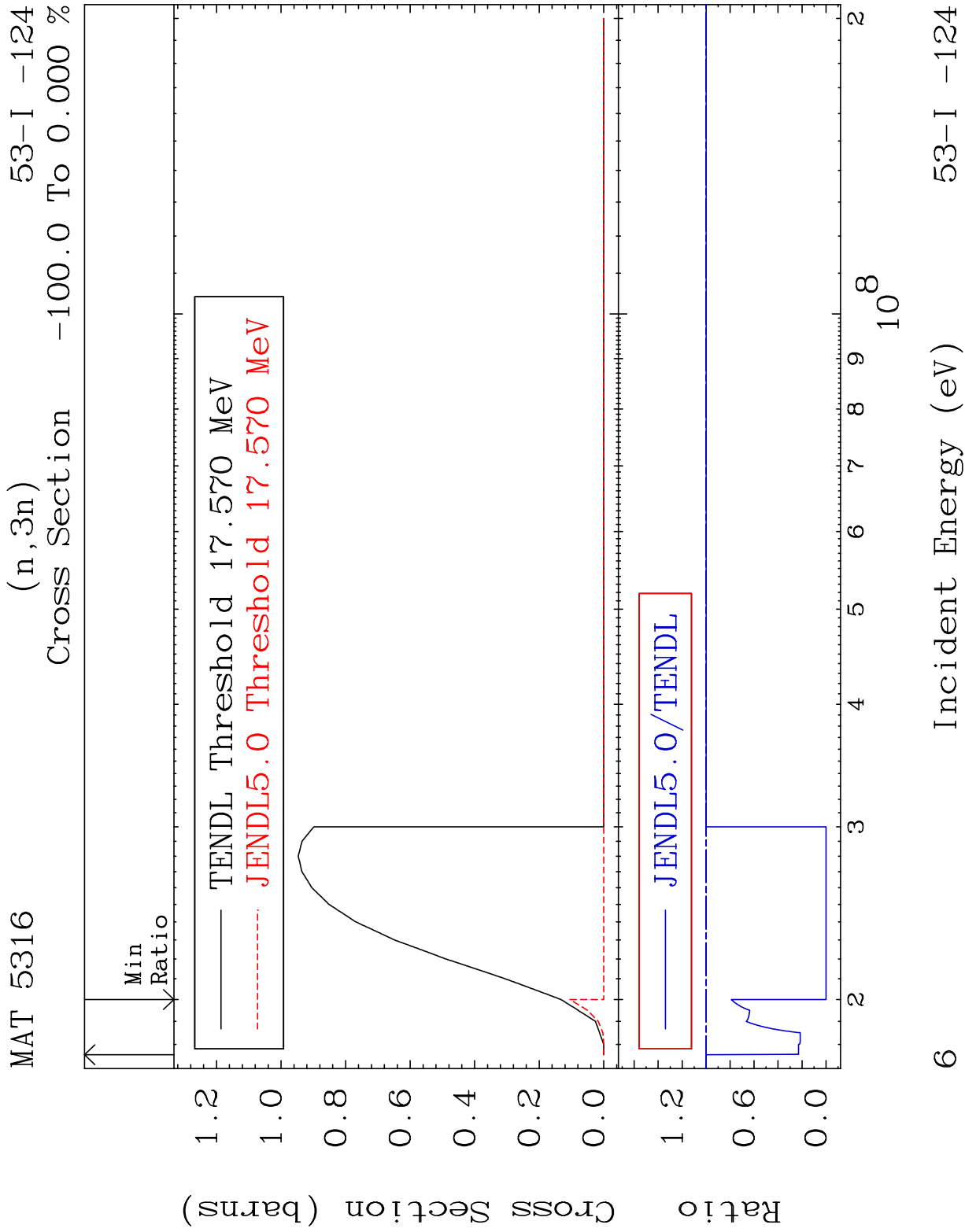


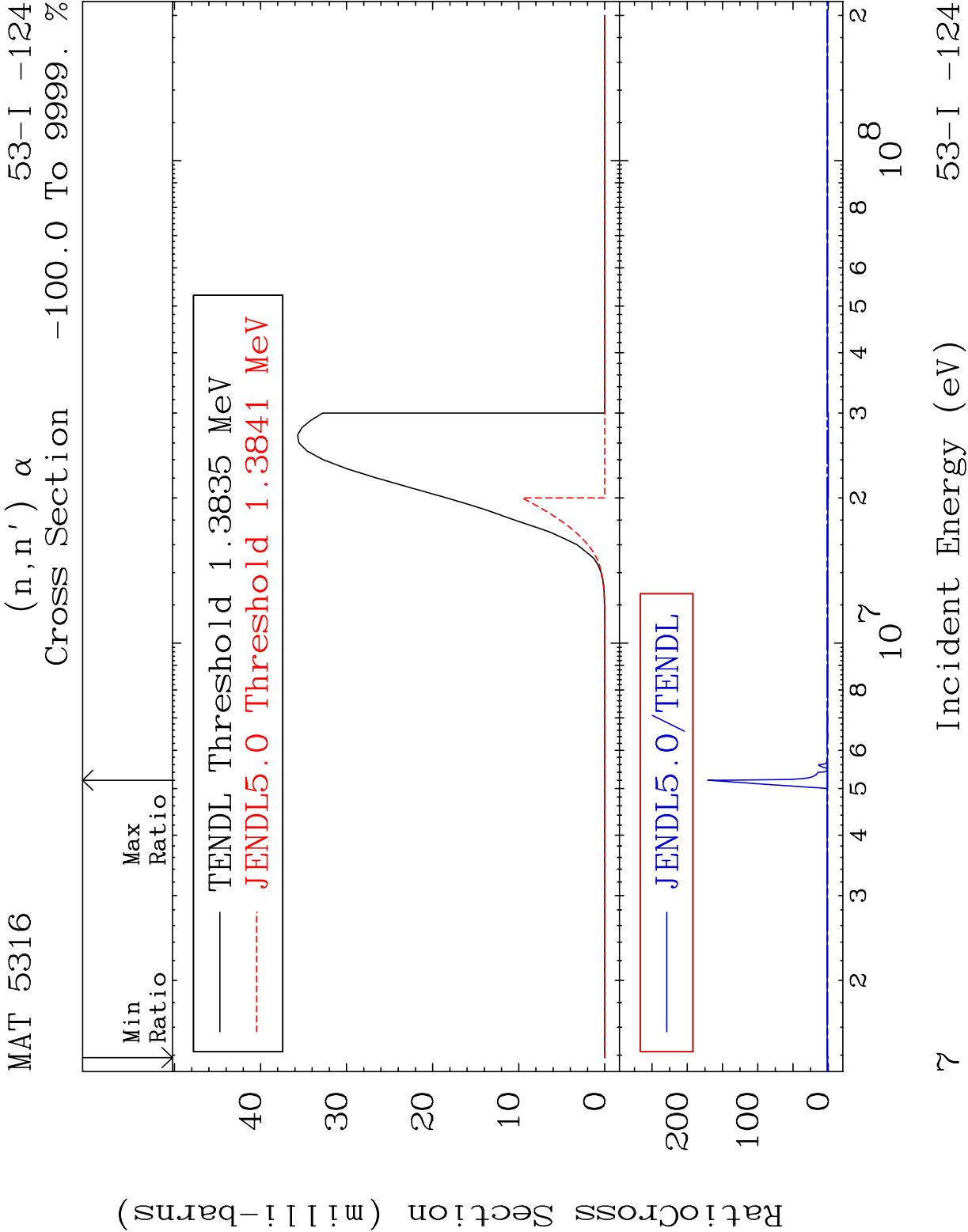
4

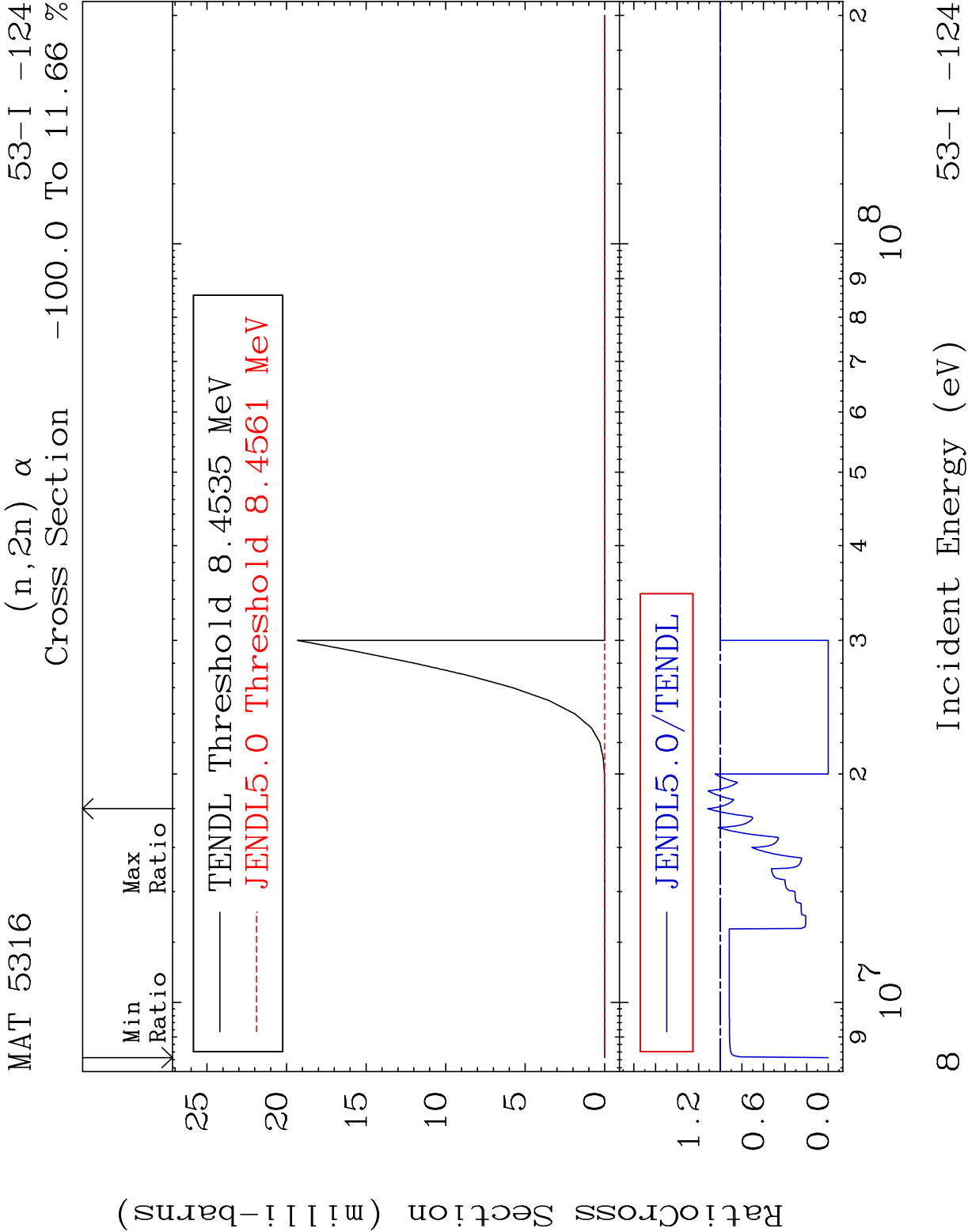
Incident Energy (eV)

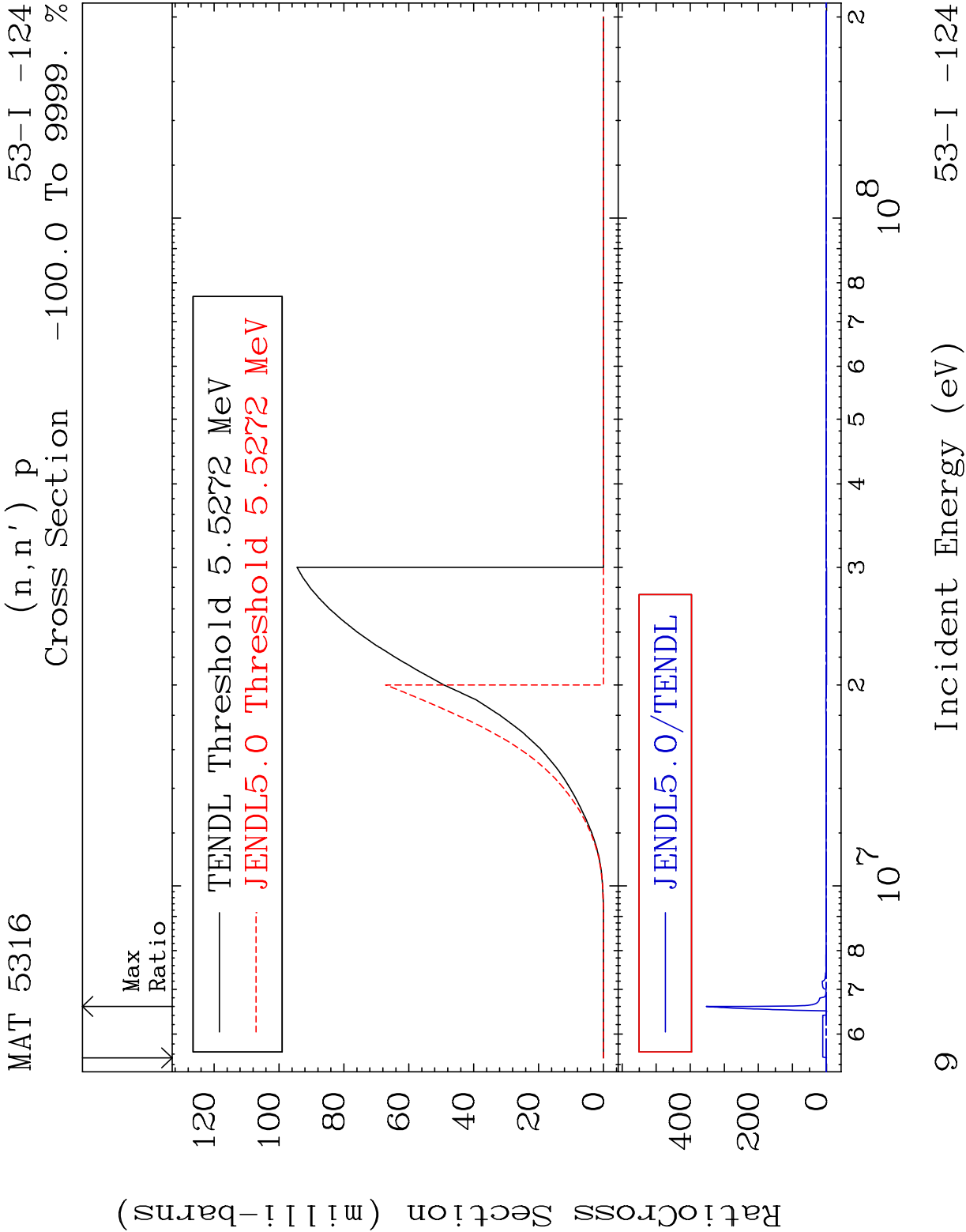
53-I -124

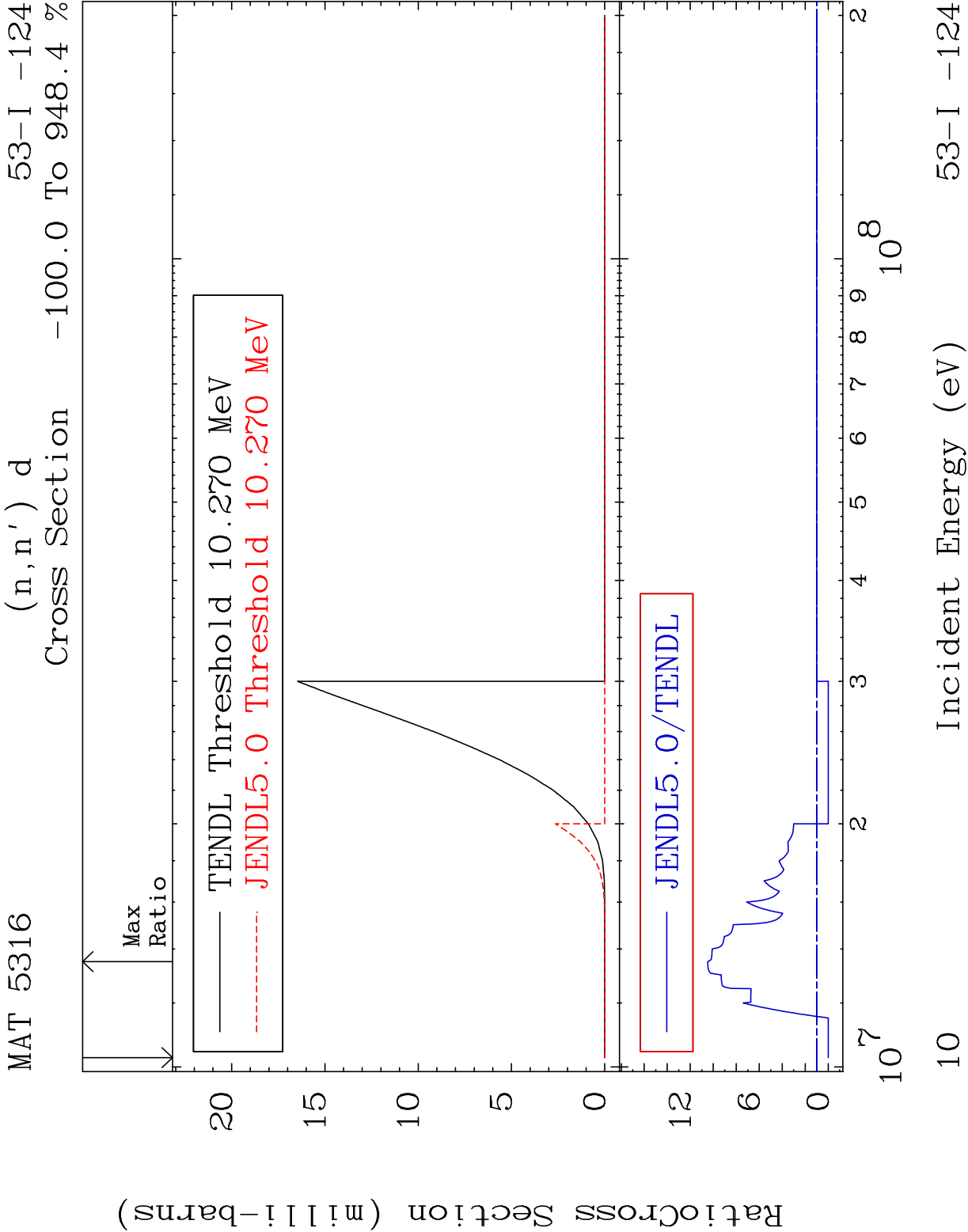


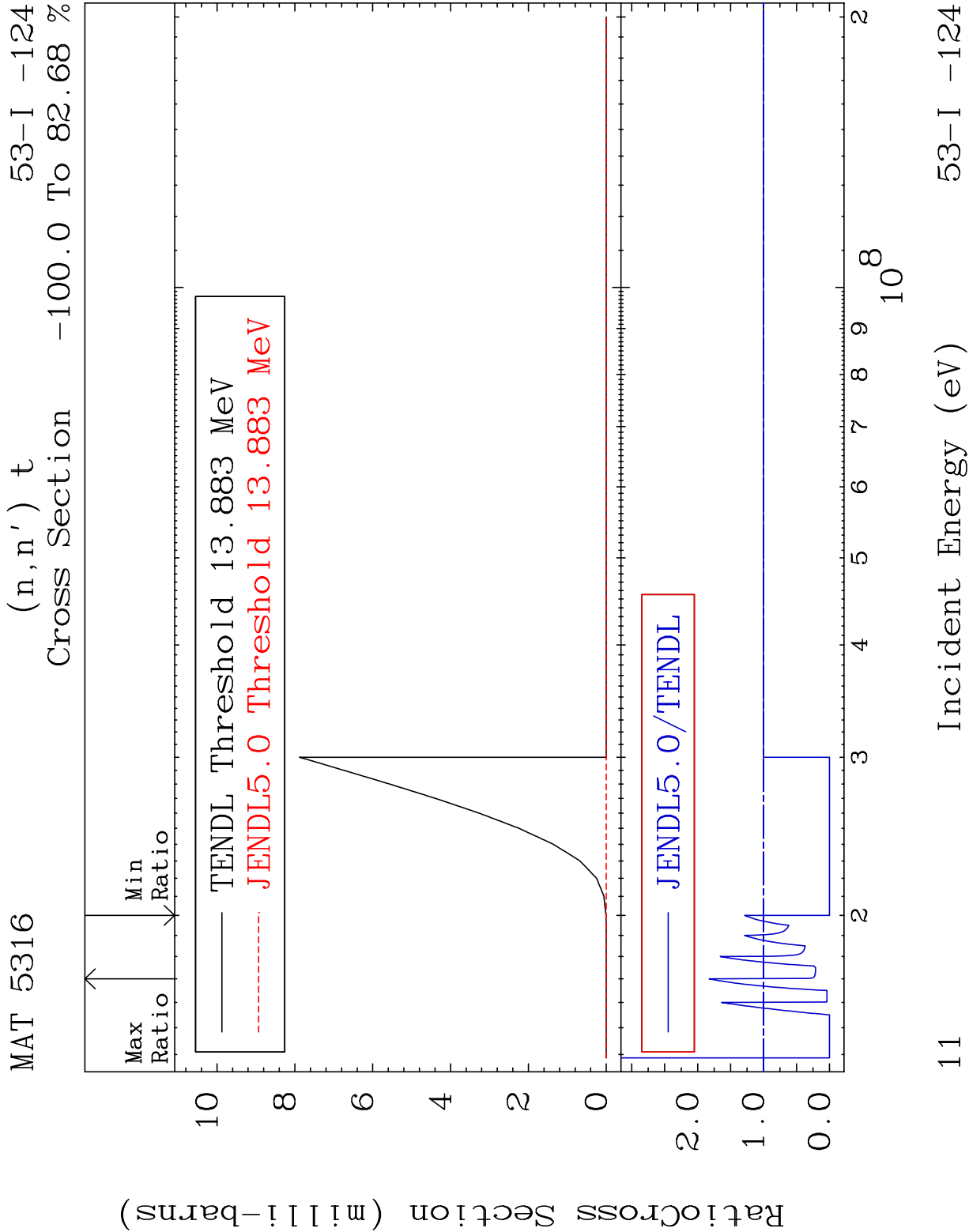












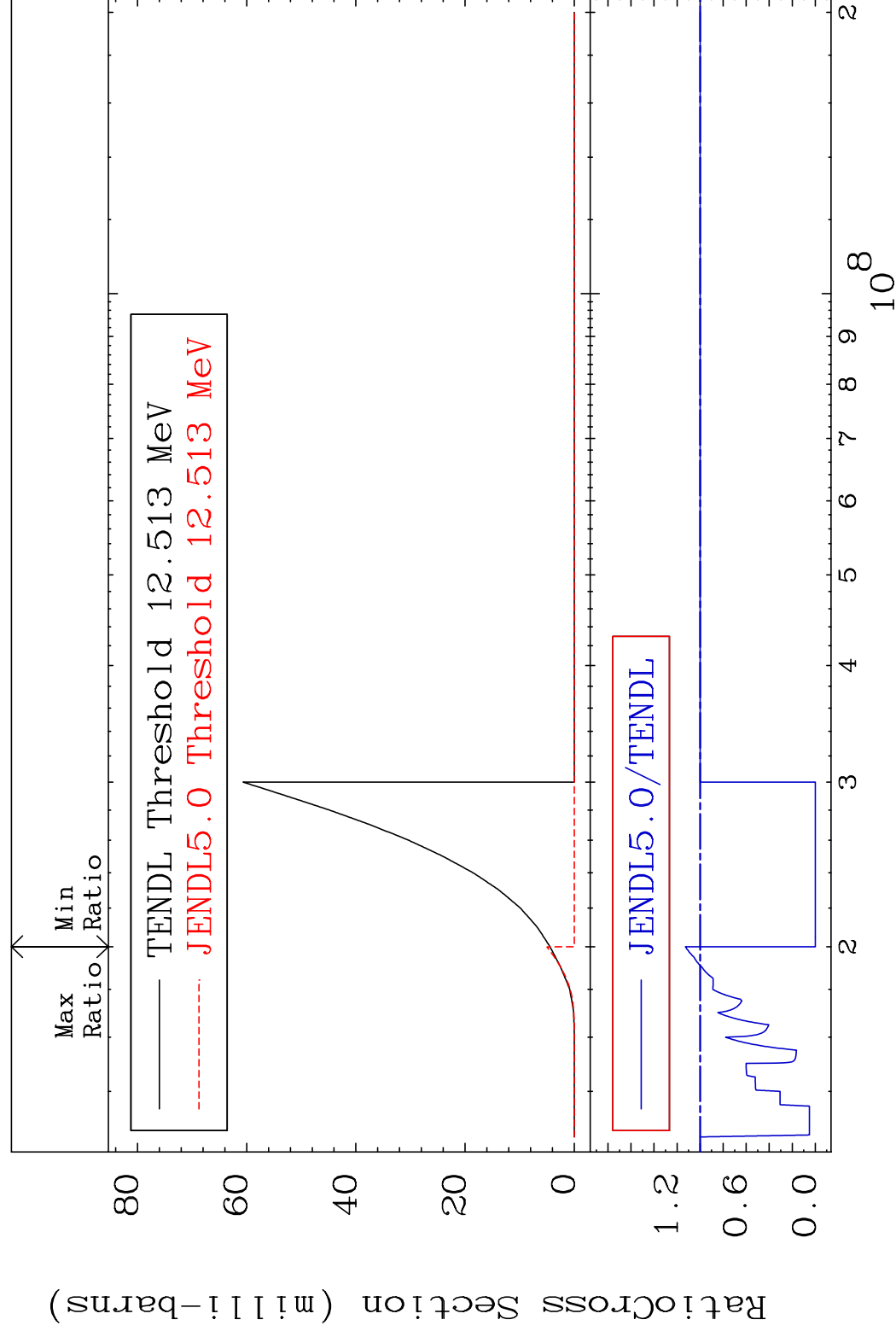
MAT 5316

$$(n, 2n) \text{ p}$$

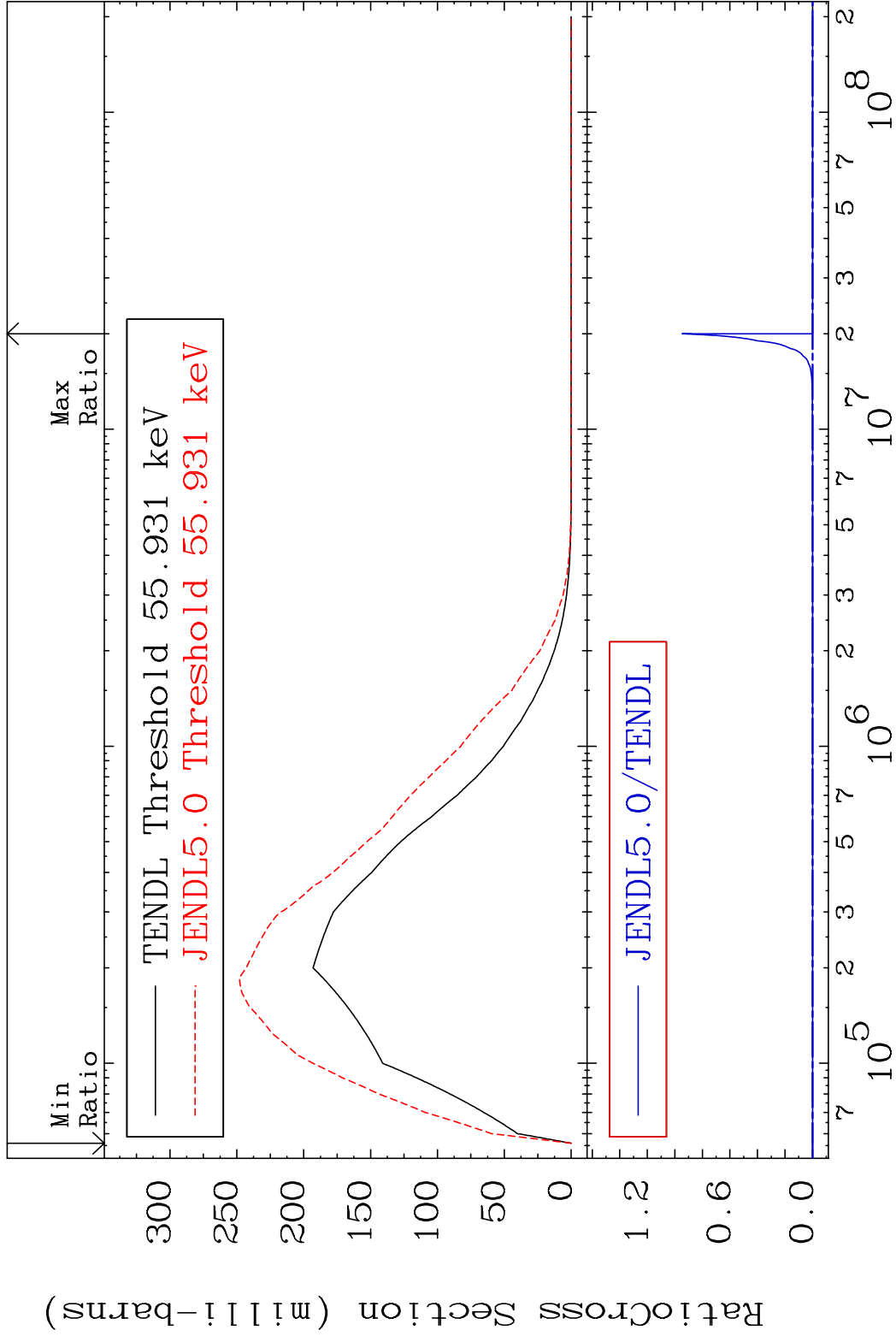
(n, 2n) p
Cross Section
-100.0 To 12.84 %
53-I -124

53-I -124

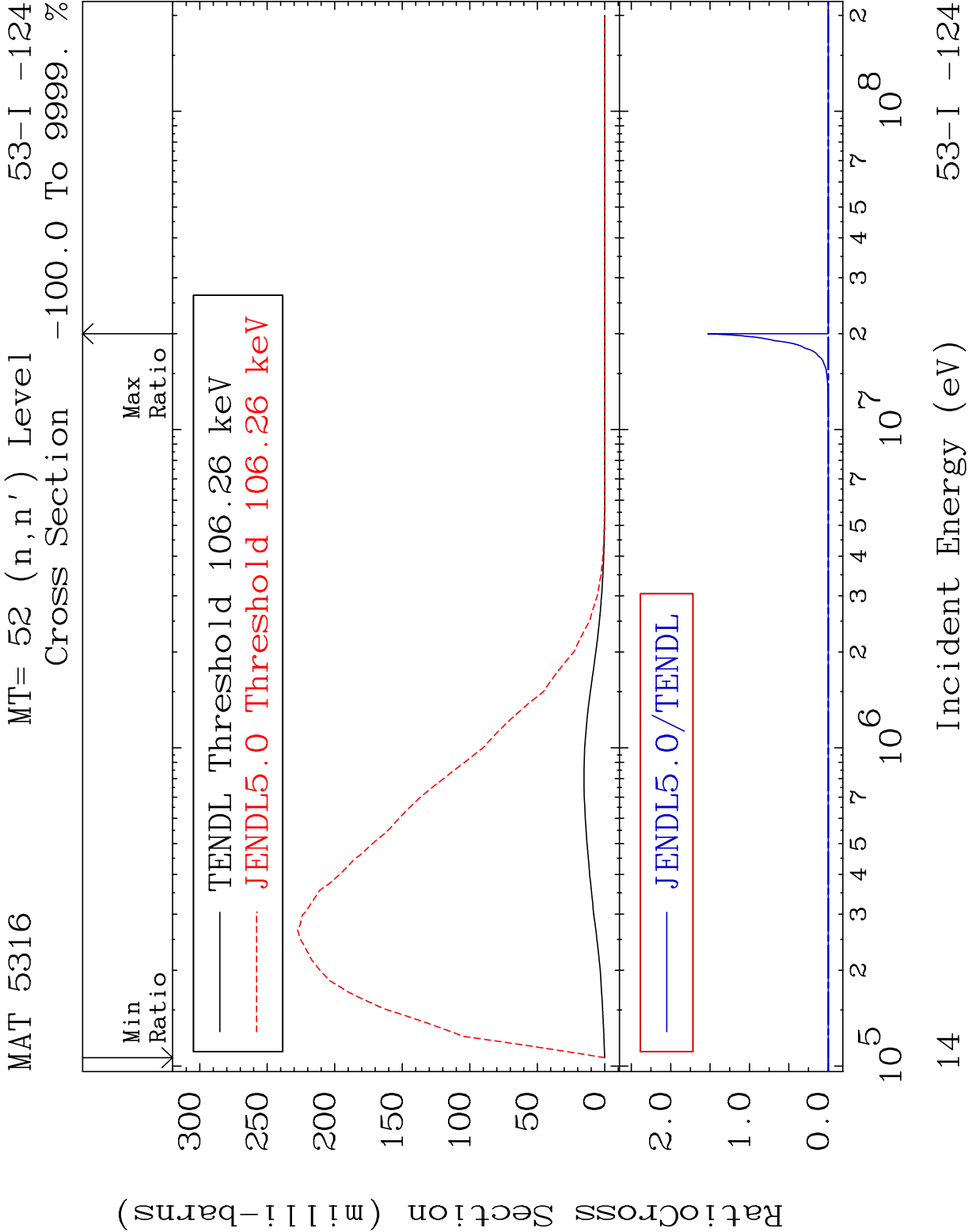
-100.0 To 12.84 %



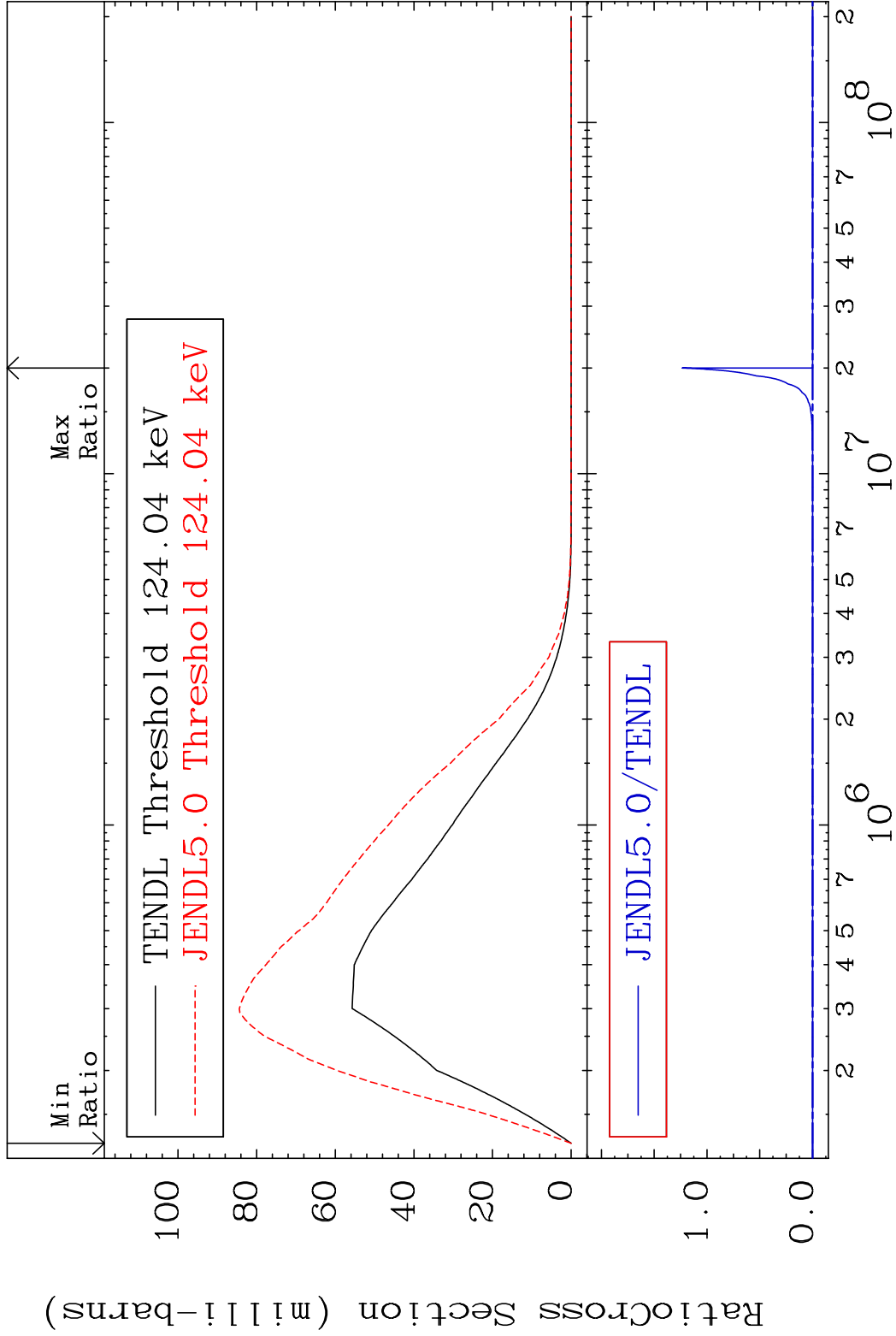
MAT 5316 MT= 51 (n,n') Level 53-I -124
Cross Section -100.0 To 9999. %



13 Incident Energy (eV) 53-I -124

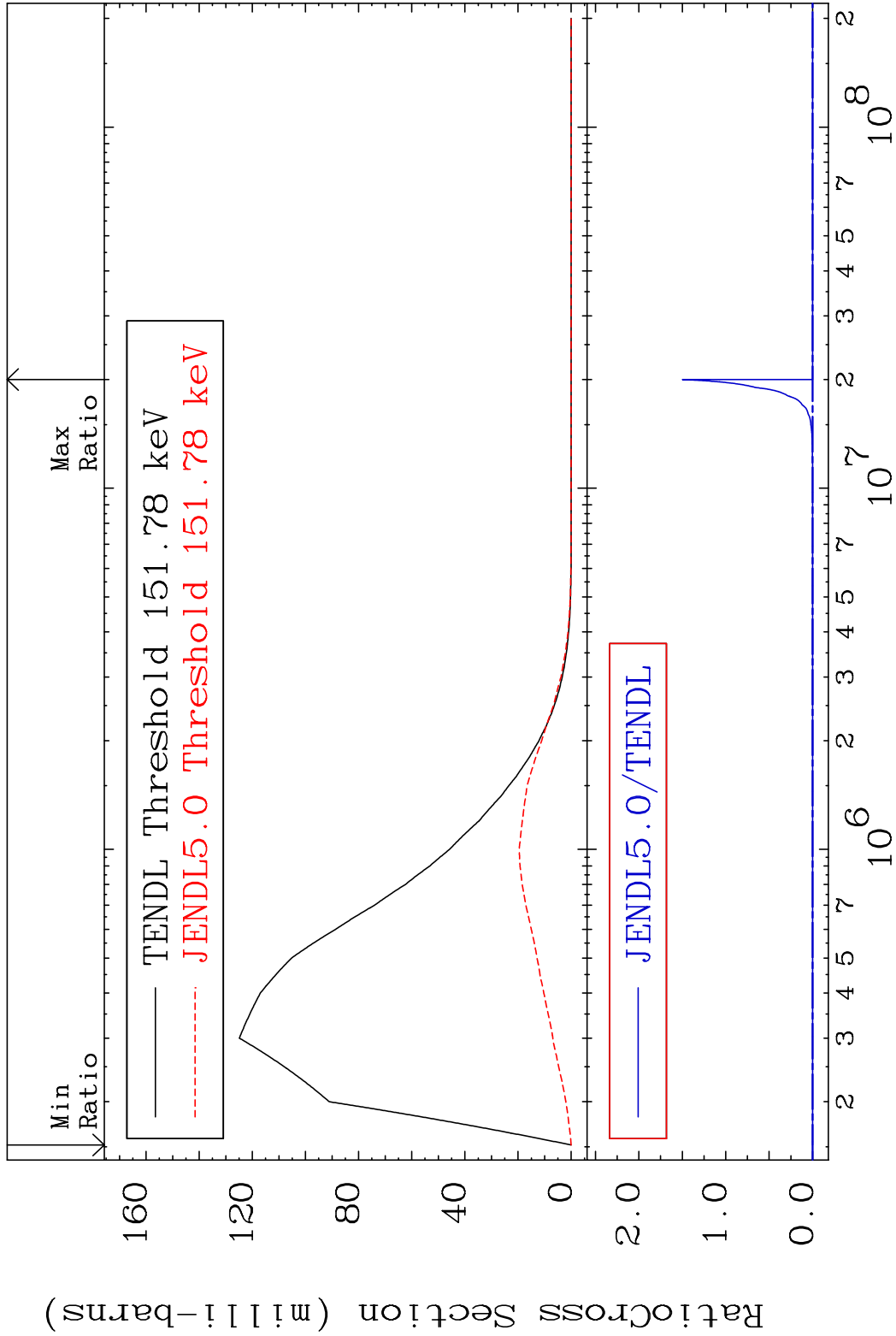


MAT 5316 MT= 53 (n,n') Level 53-I -124
Cross Section -100.0 To 9999. %

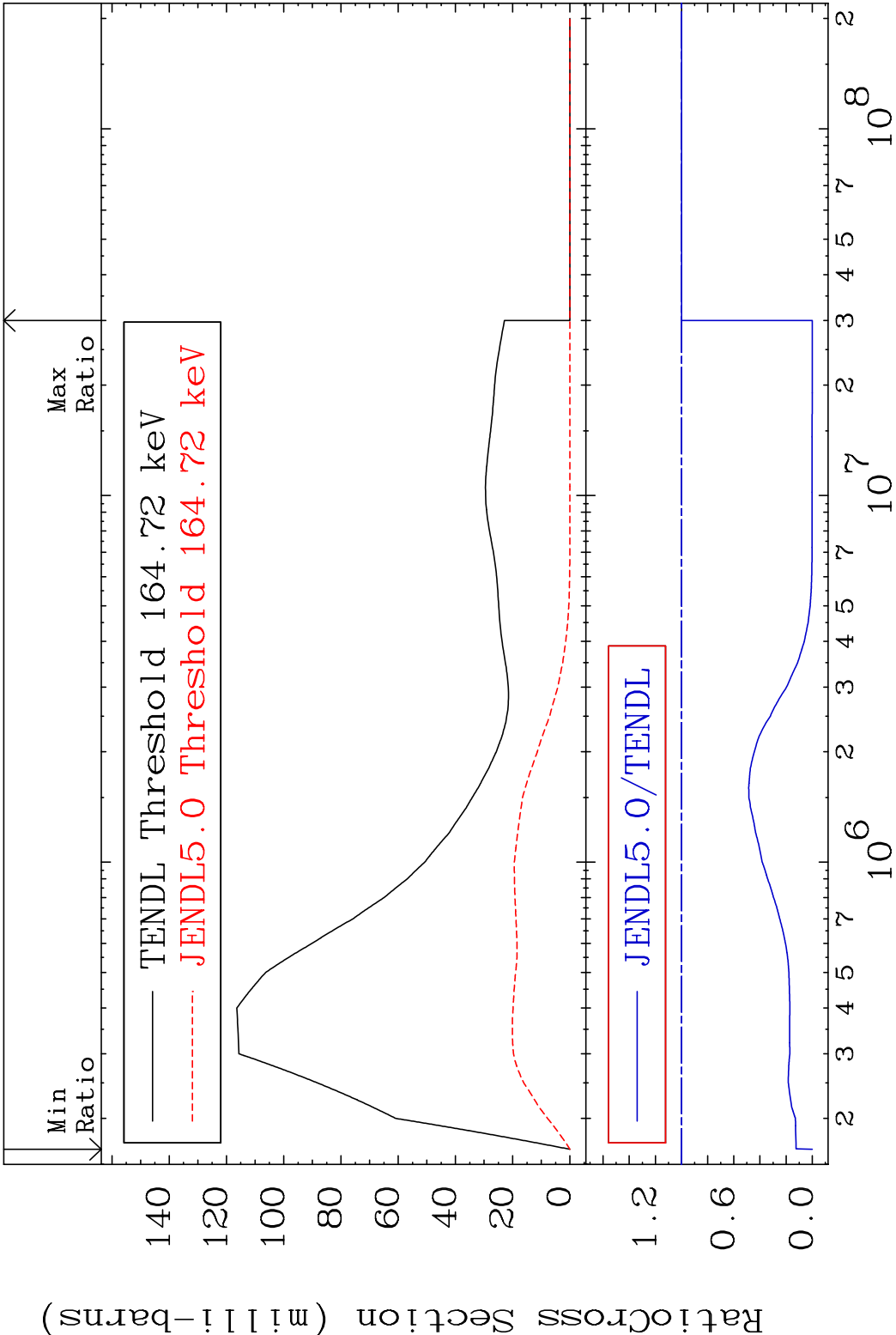


15 Incident Energy (eV) 53-I -124

MAT 5316 MT= 54 (n,n') Level 53-I -124
Cross Section -100.0 To 9999. %

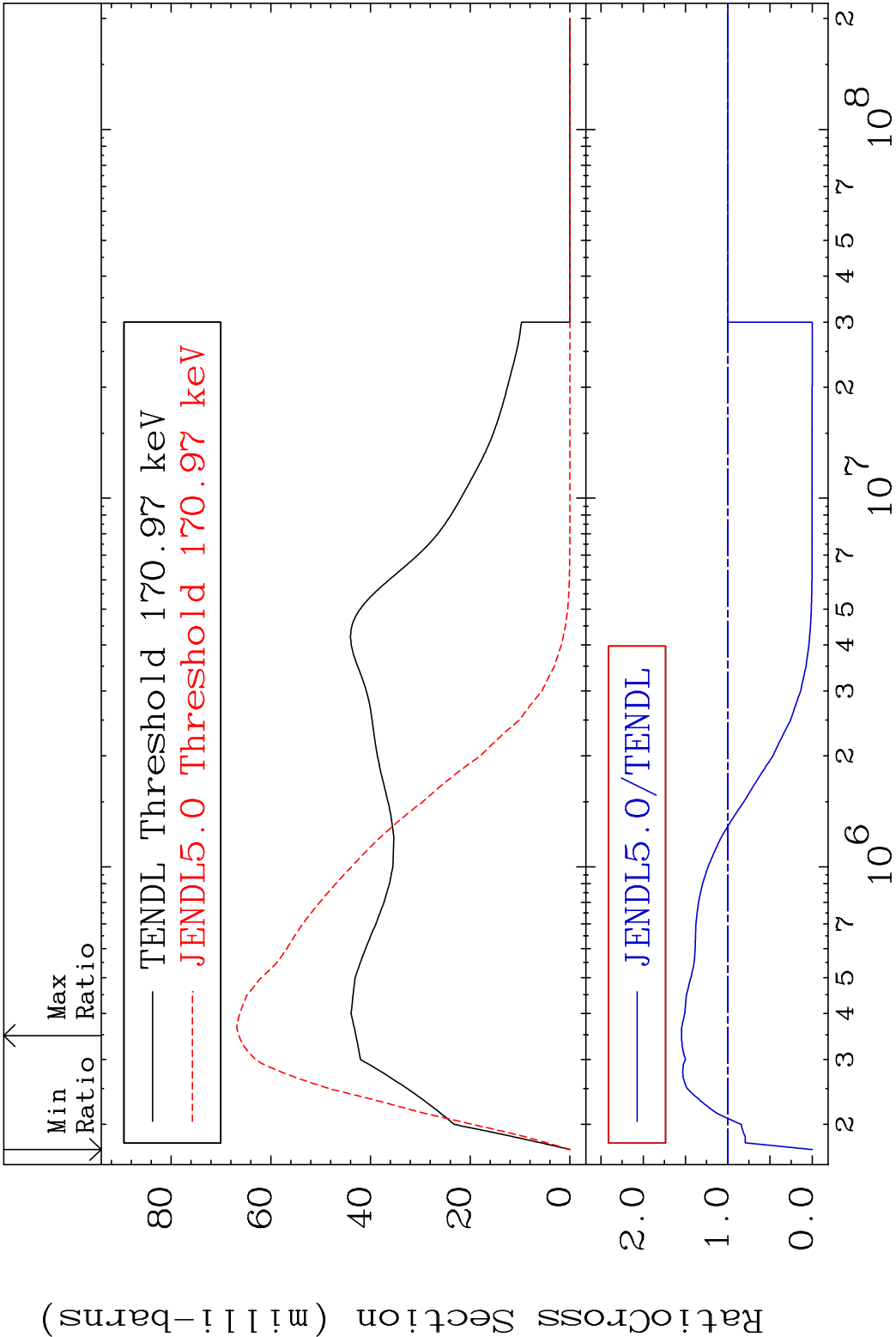


MAT 5316 MT= 55 (n,n') Level 53-I -124
 Cross Section -100.0 To 0.000 %

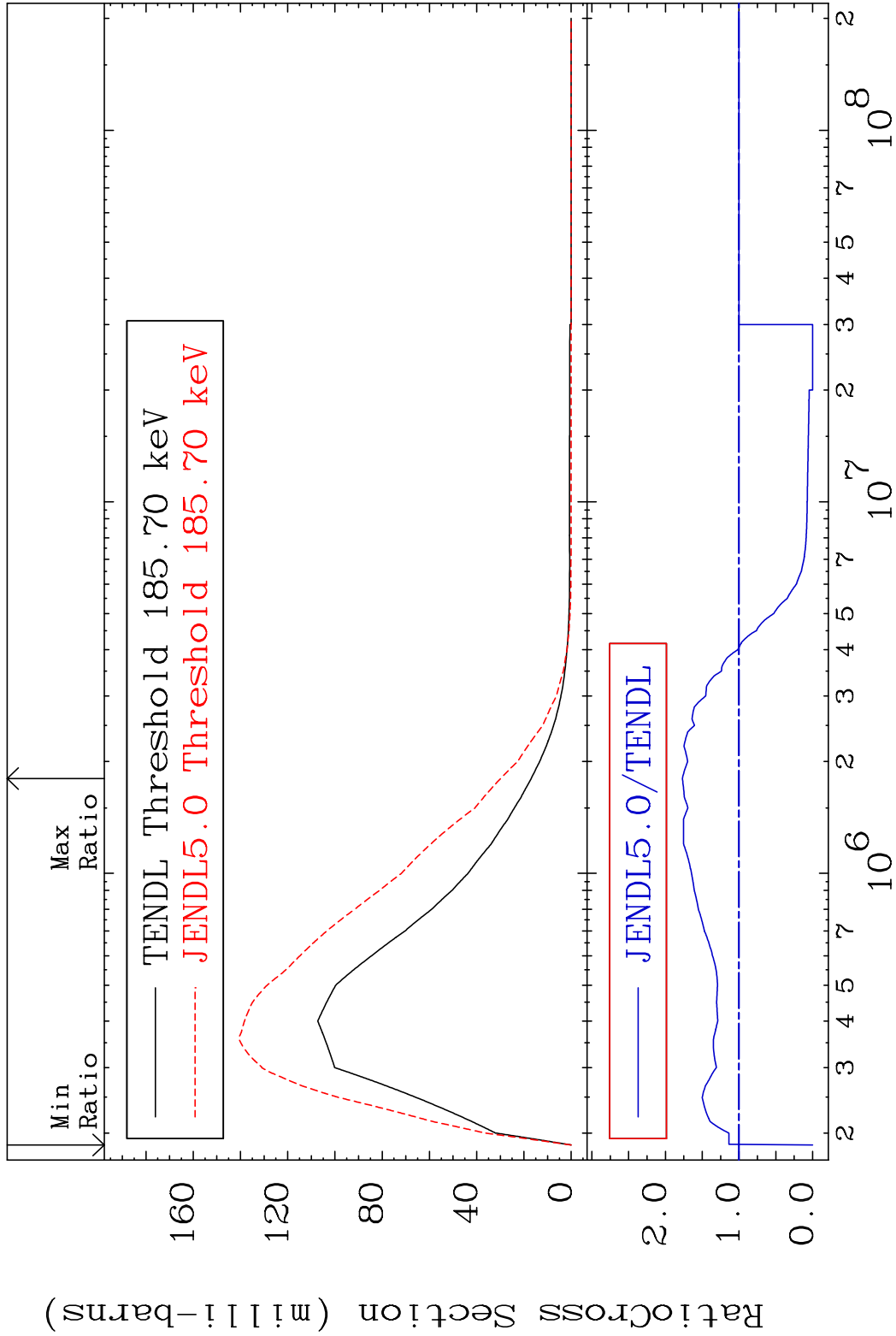


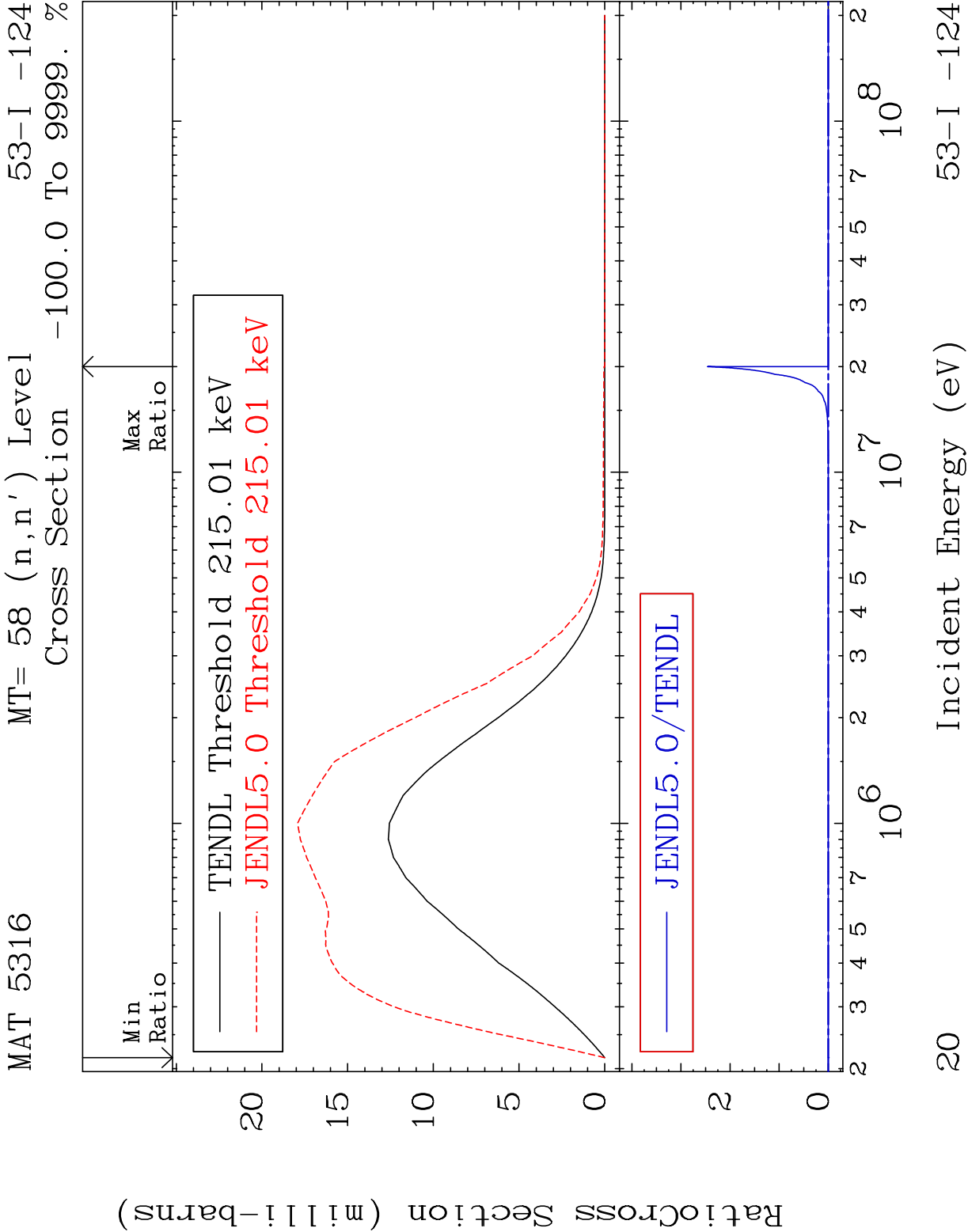
17 Incident Energy (eV) 53-I -124

MAT 5316 MT= 56 (n,n') Level 53-I -124
 Cross Section -100.0 To 54.69 %

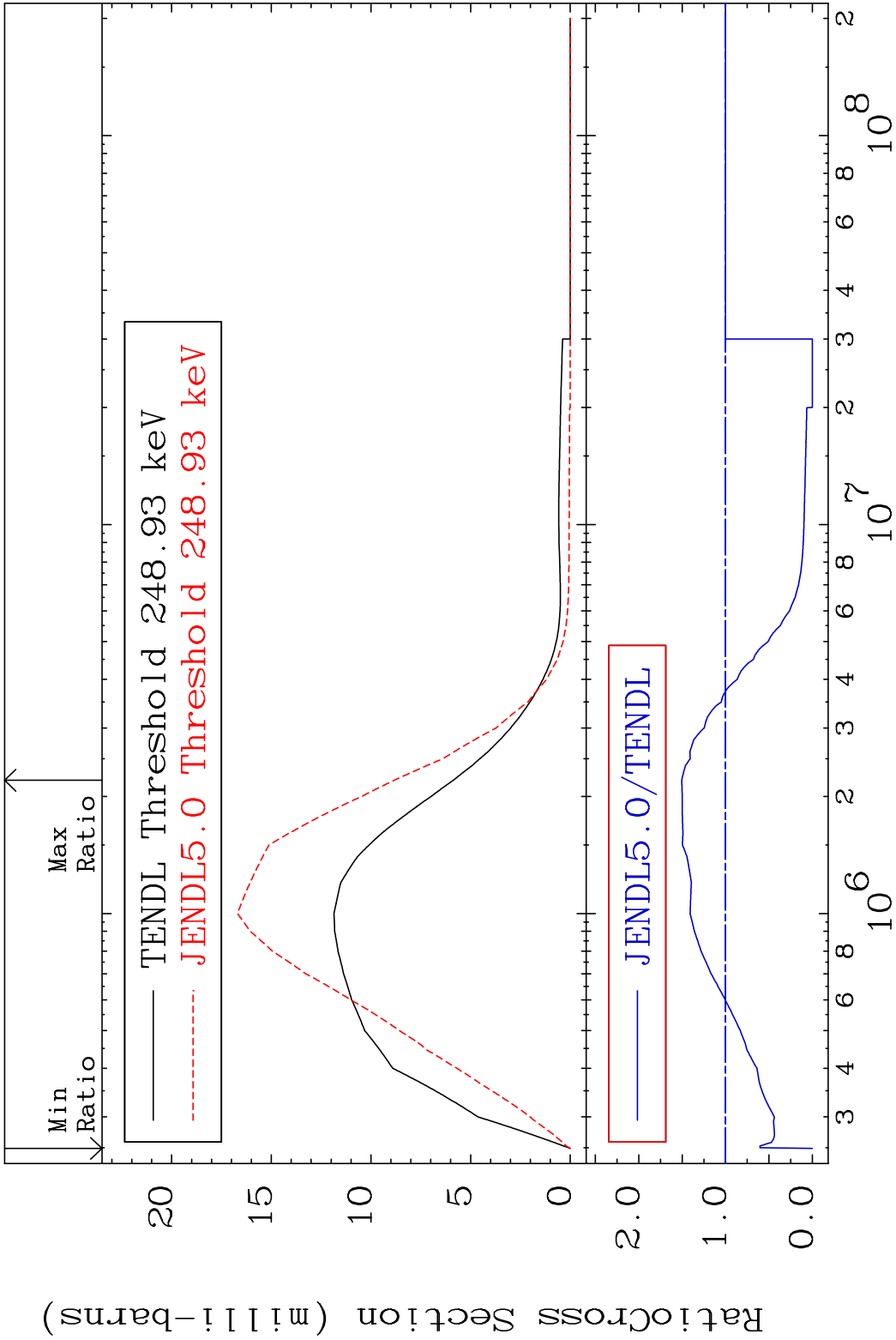


MAT 5316 MT= 57 (n,n') Level 53-I -124
 Cross Section -100.0 To 77.02 %

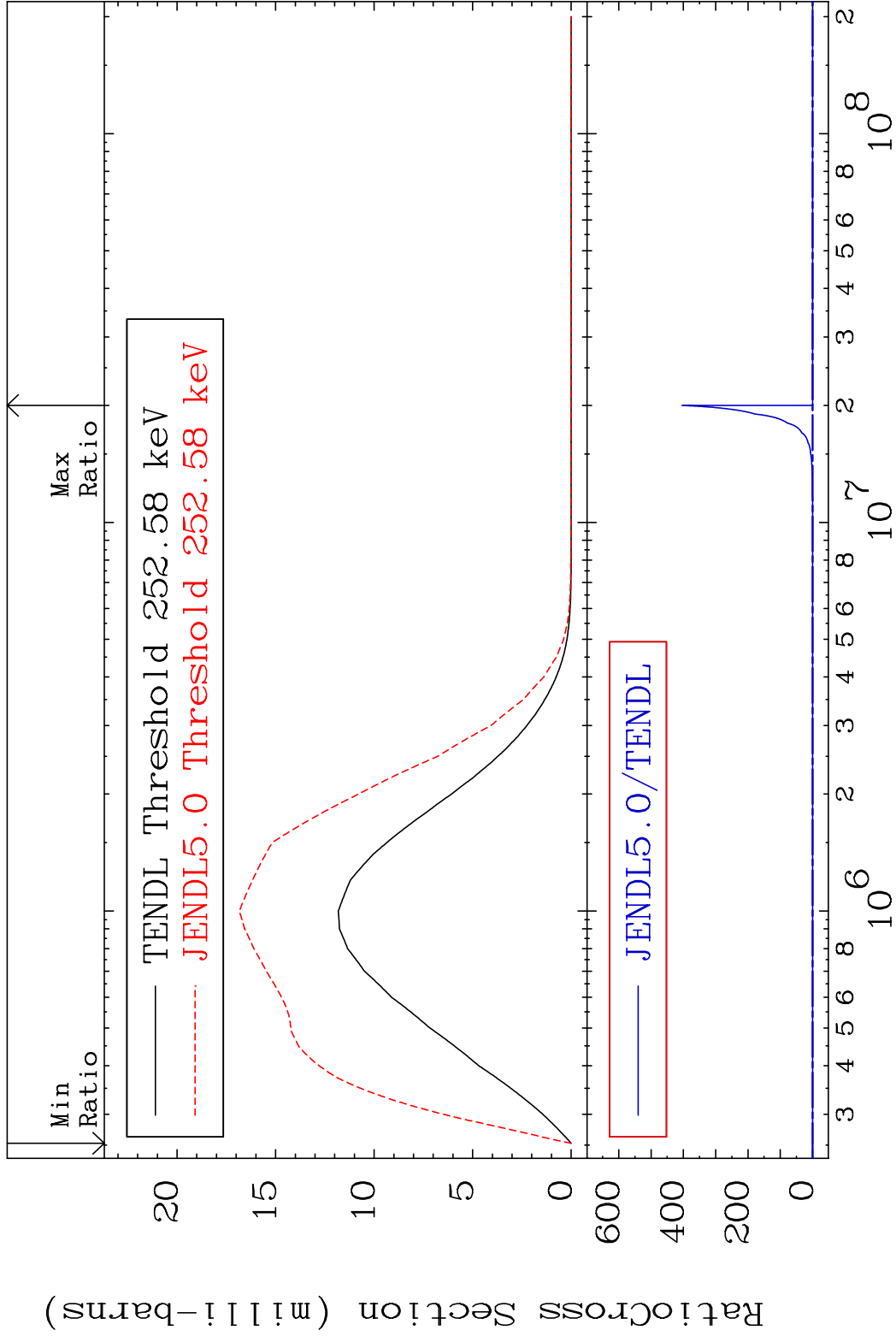




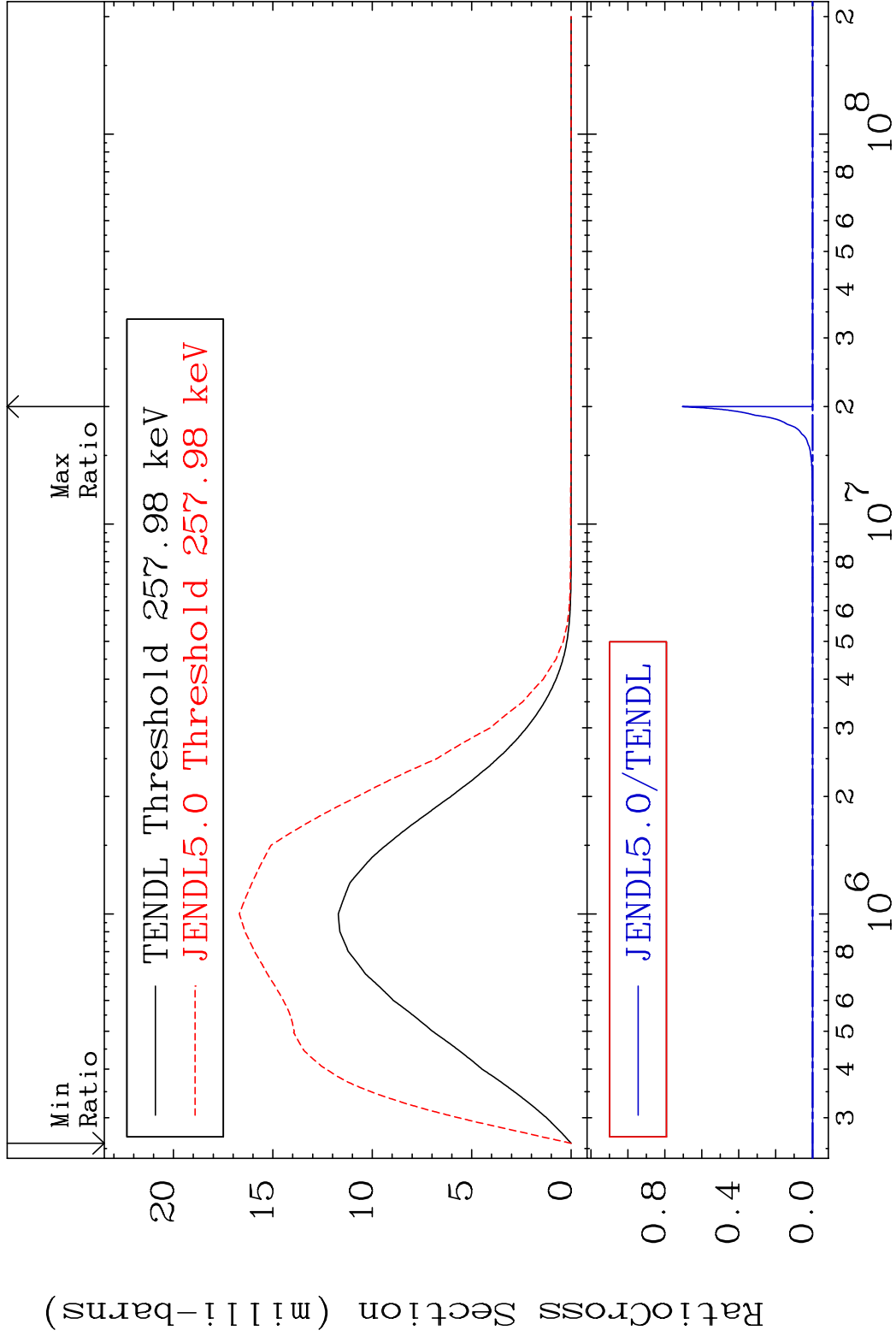
MAT 5316 MT= 59 (n,n') Level 53-I -124
 Cross Section -100.0 To 50.51 %



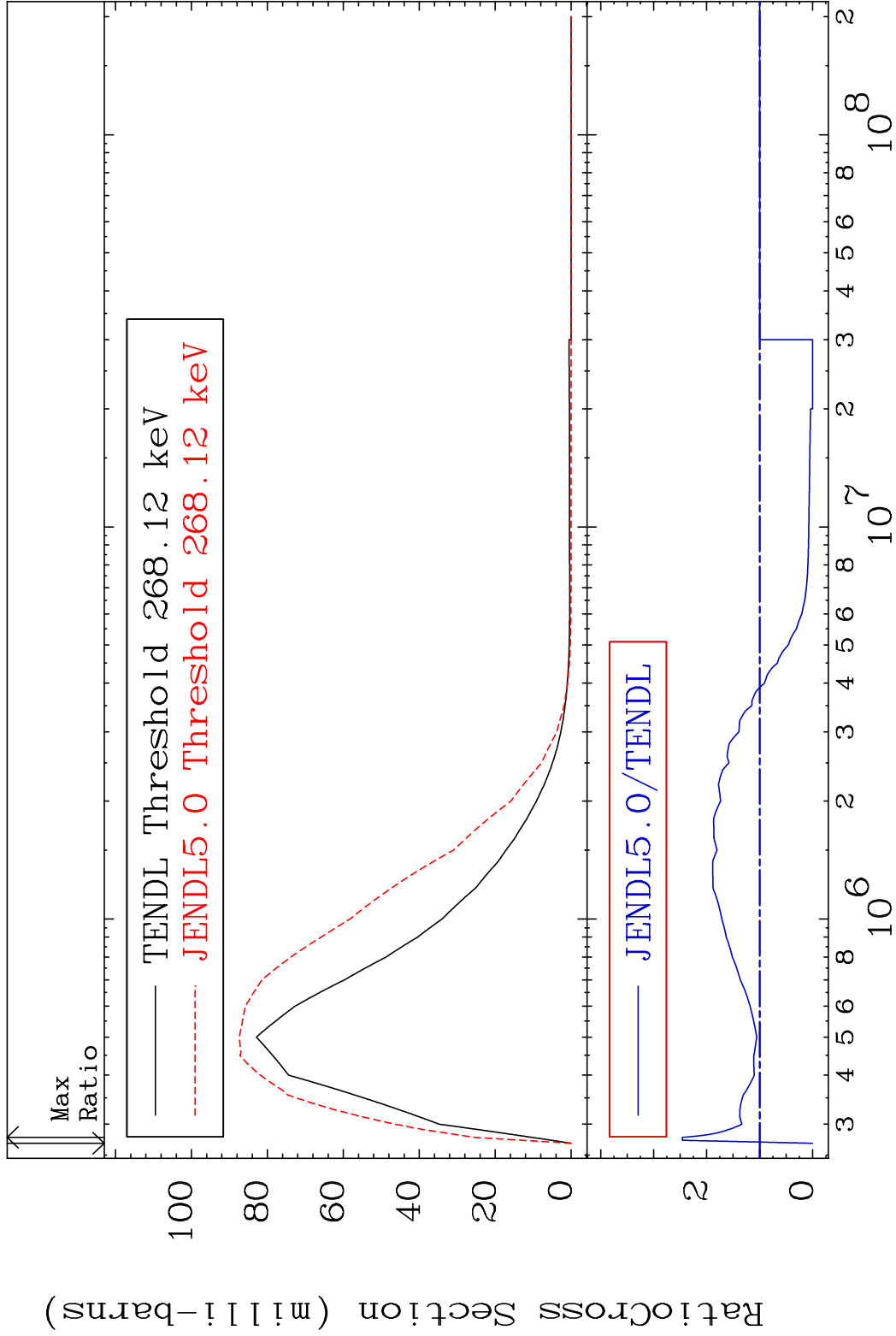
MAT 5316 MT= 60 (n,n') Level 53-I -124
Cross Section -100.0 To 9999. %



MAT 5316 MT= 61 (n,n') Level 53-I -124
 Cross Section -100.0 To 9999. %

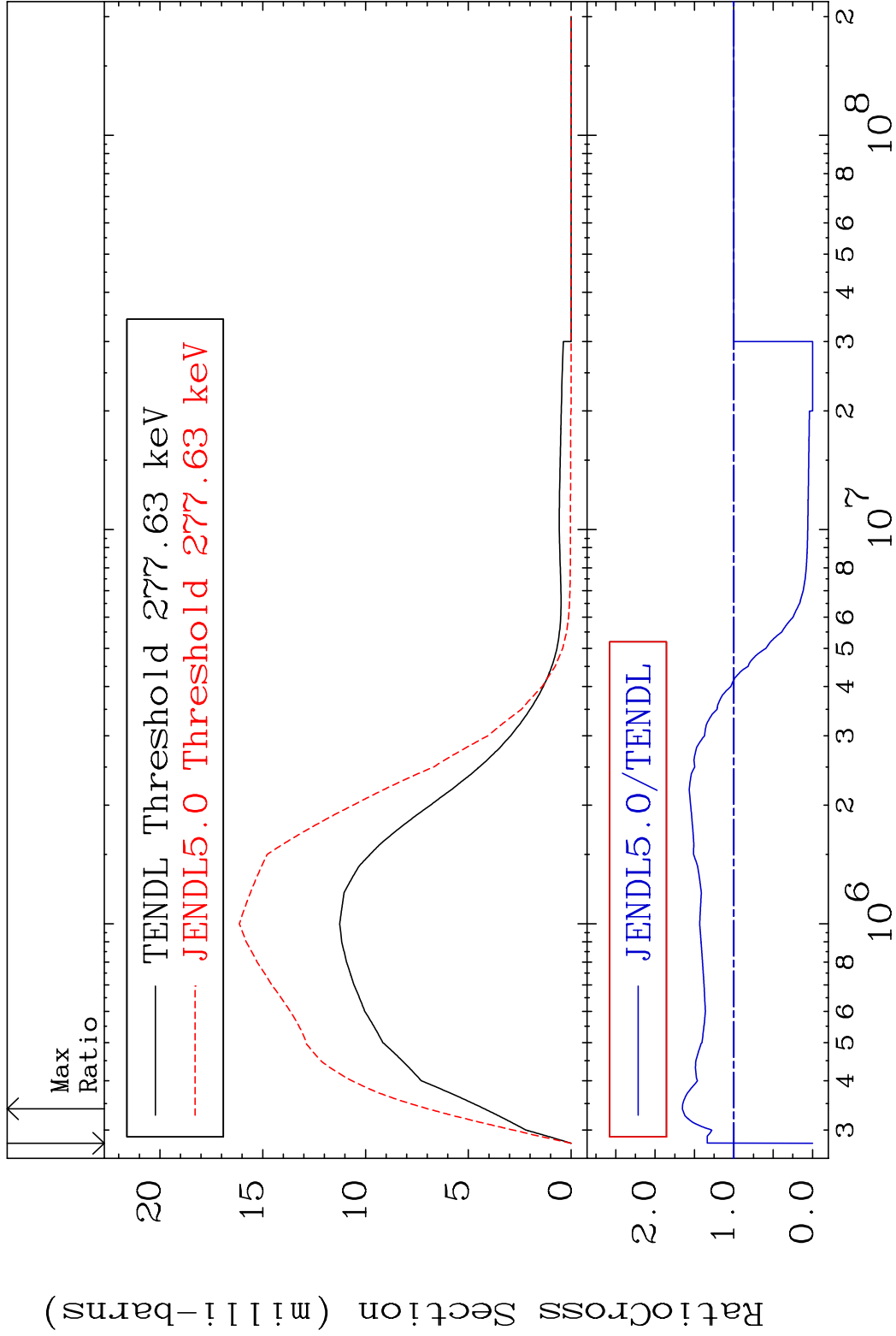


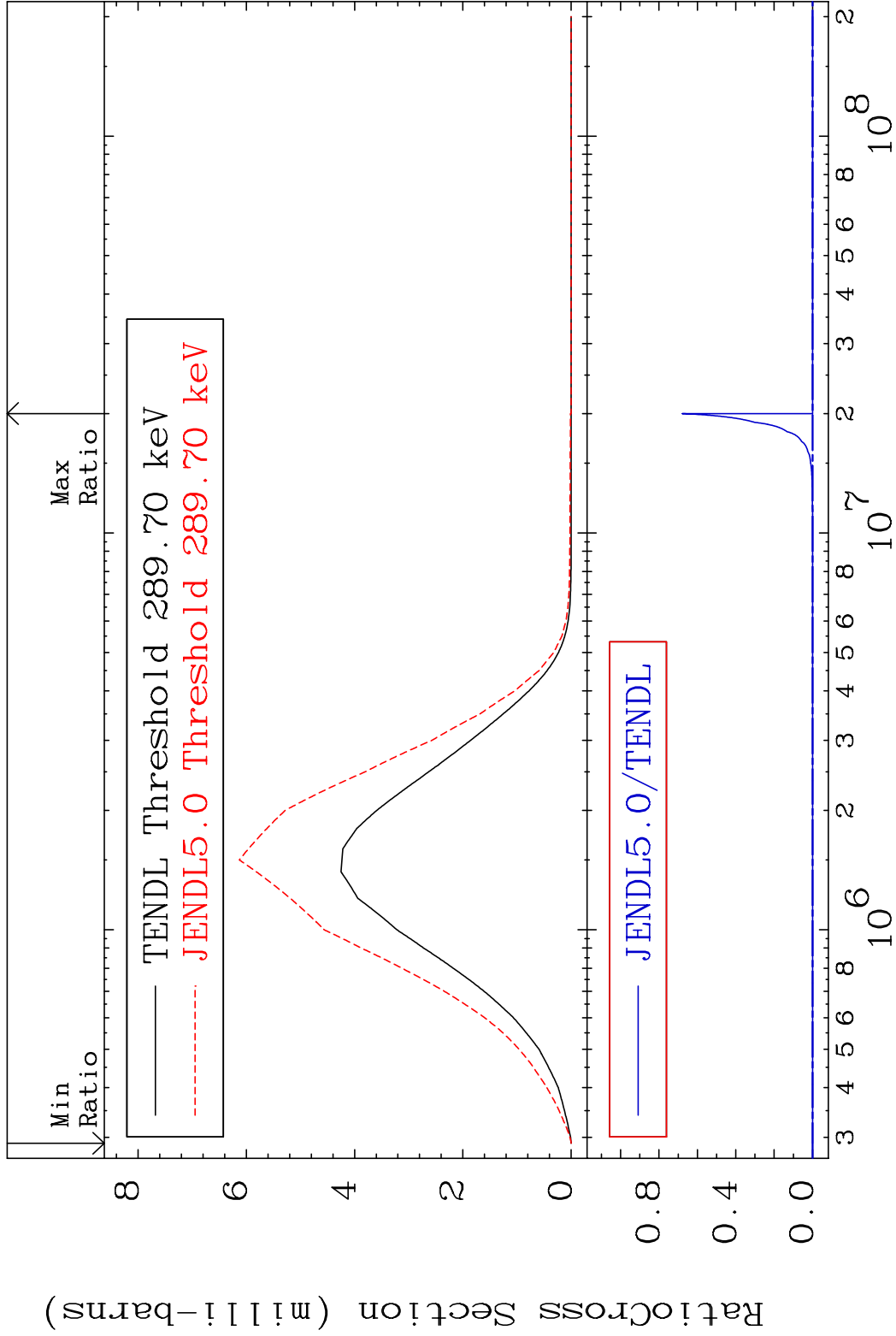
MAT 5316 MT= 62 (n,n') Level 53-I -124
Cross Section -100.0 To 145.8 %



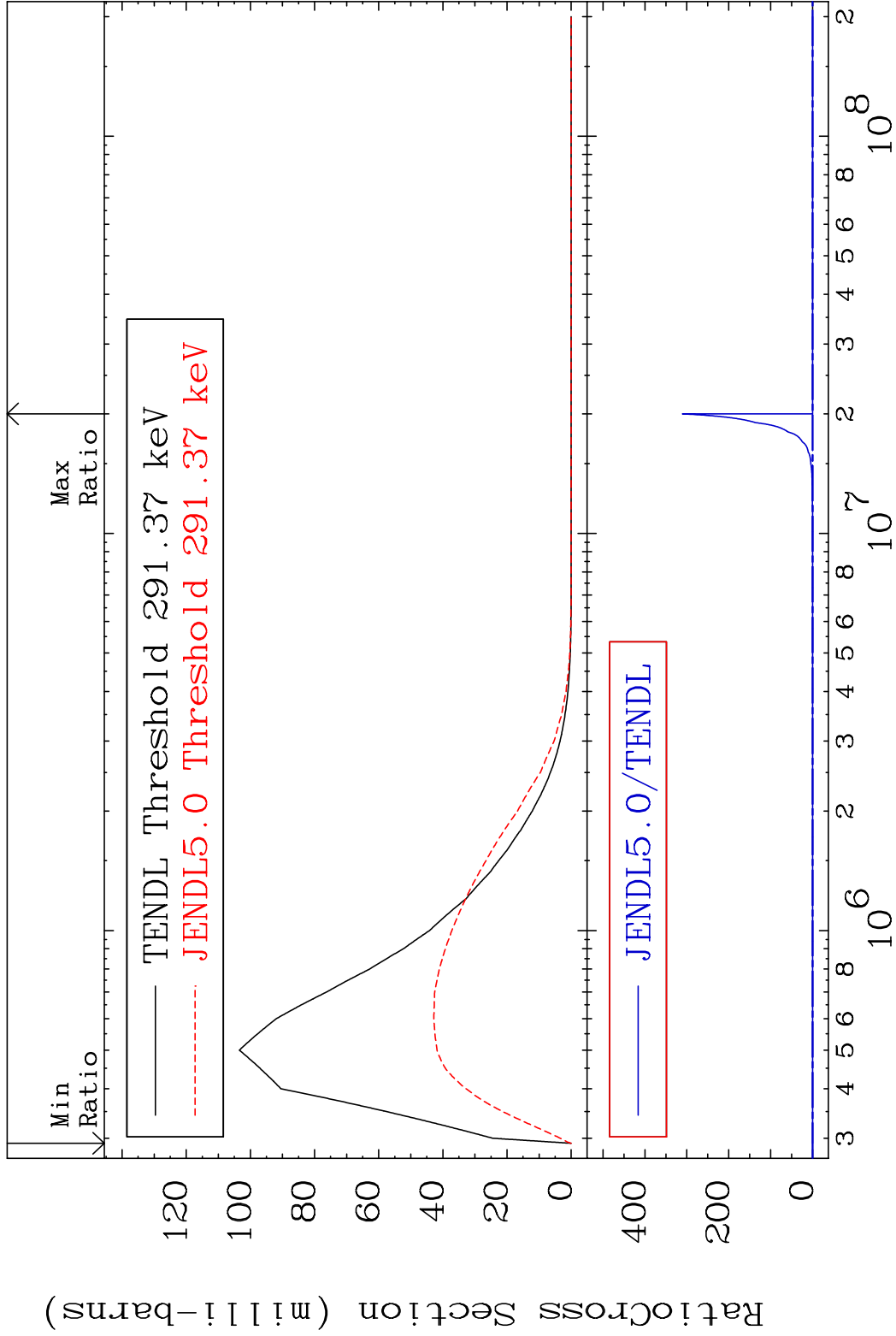
24 Incident Energy (eV) 53-I -124

MAT 5316 MT= 63 (n,n') Level 53-I -124
Cross Section -100.0 To 65.35 %

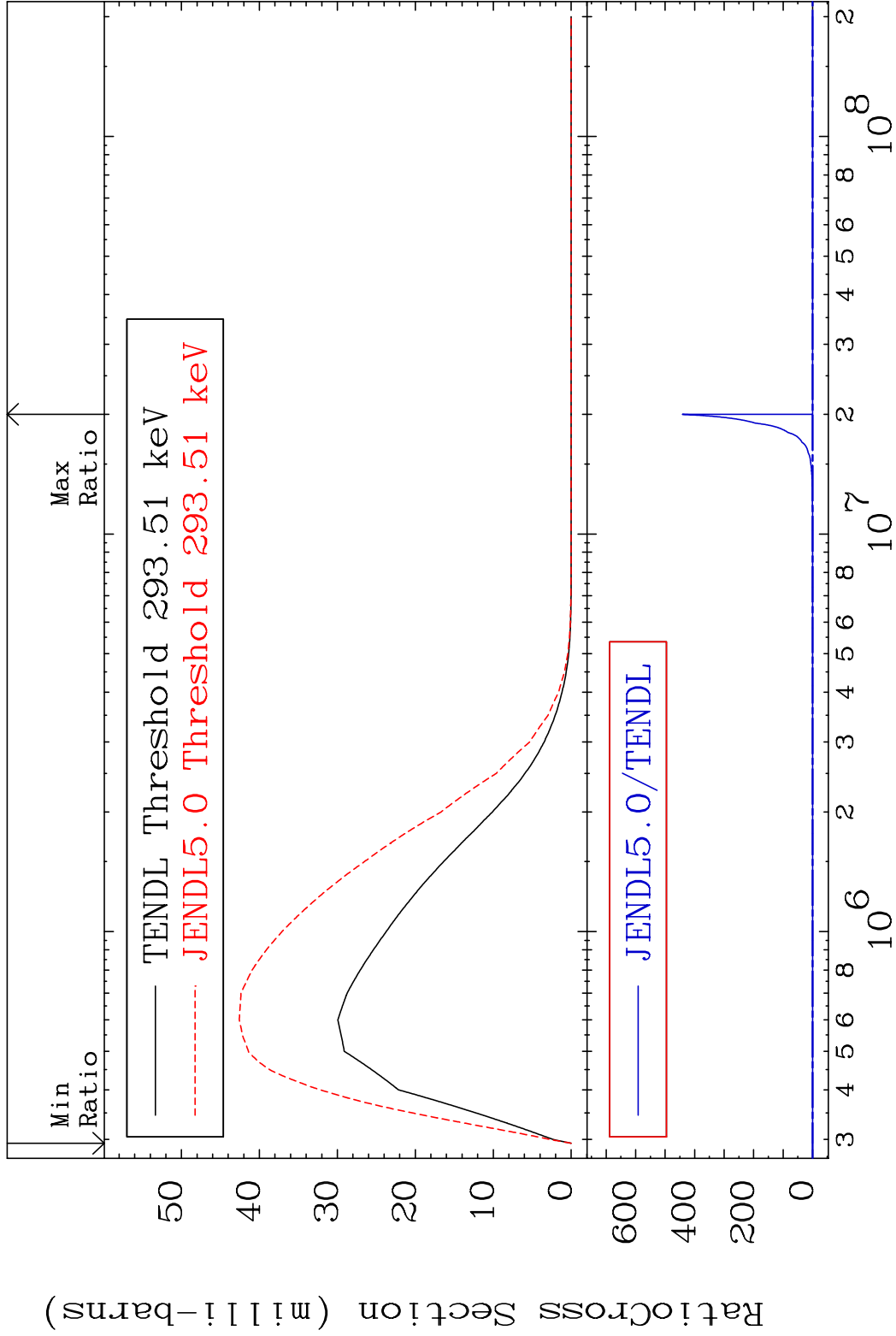




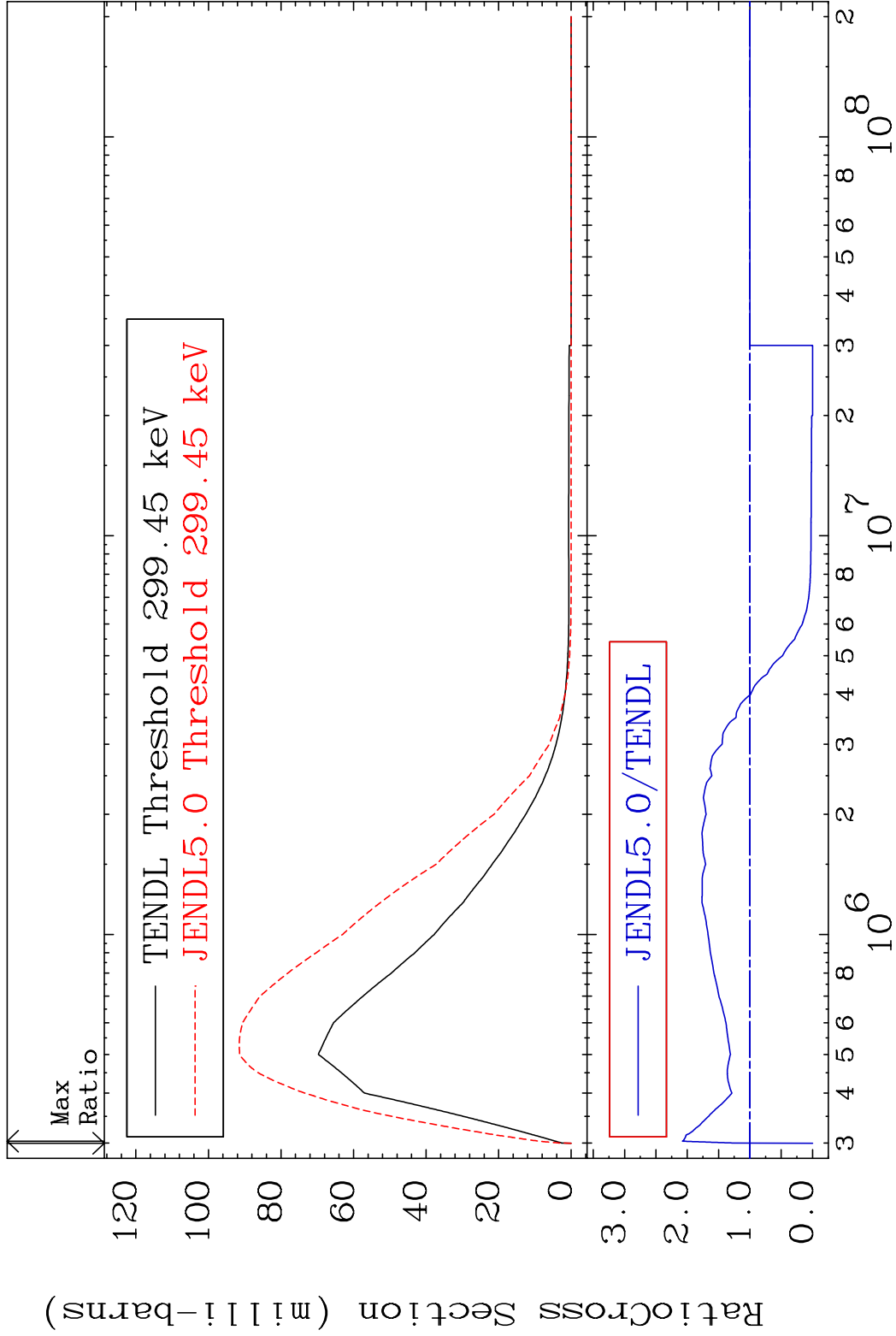
MAT 5316 MT= 65 (n,n') Level 53-I -124
Cross Section -100.0 To 9999. %

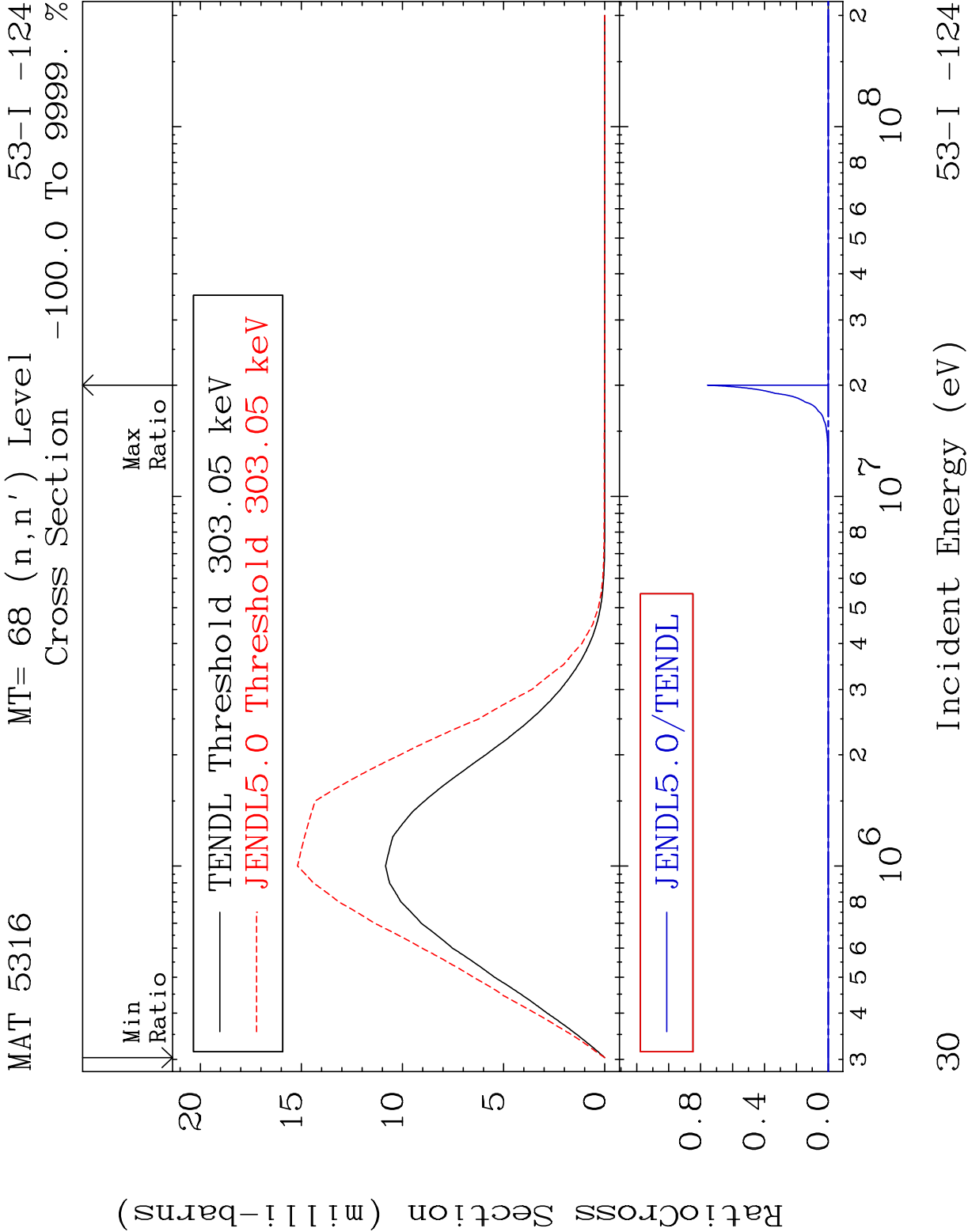


MAT 5316 MT= 66 (n,n') Level 53-I -124
Cross Section -100.0 To 9999. %

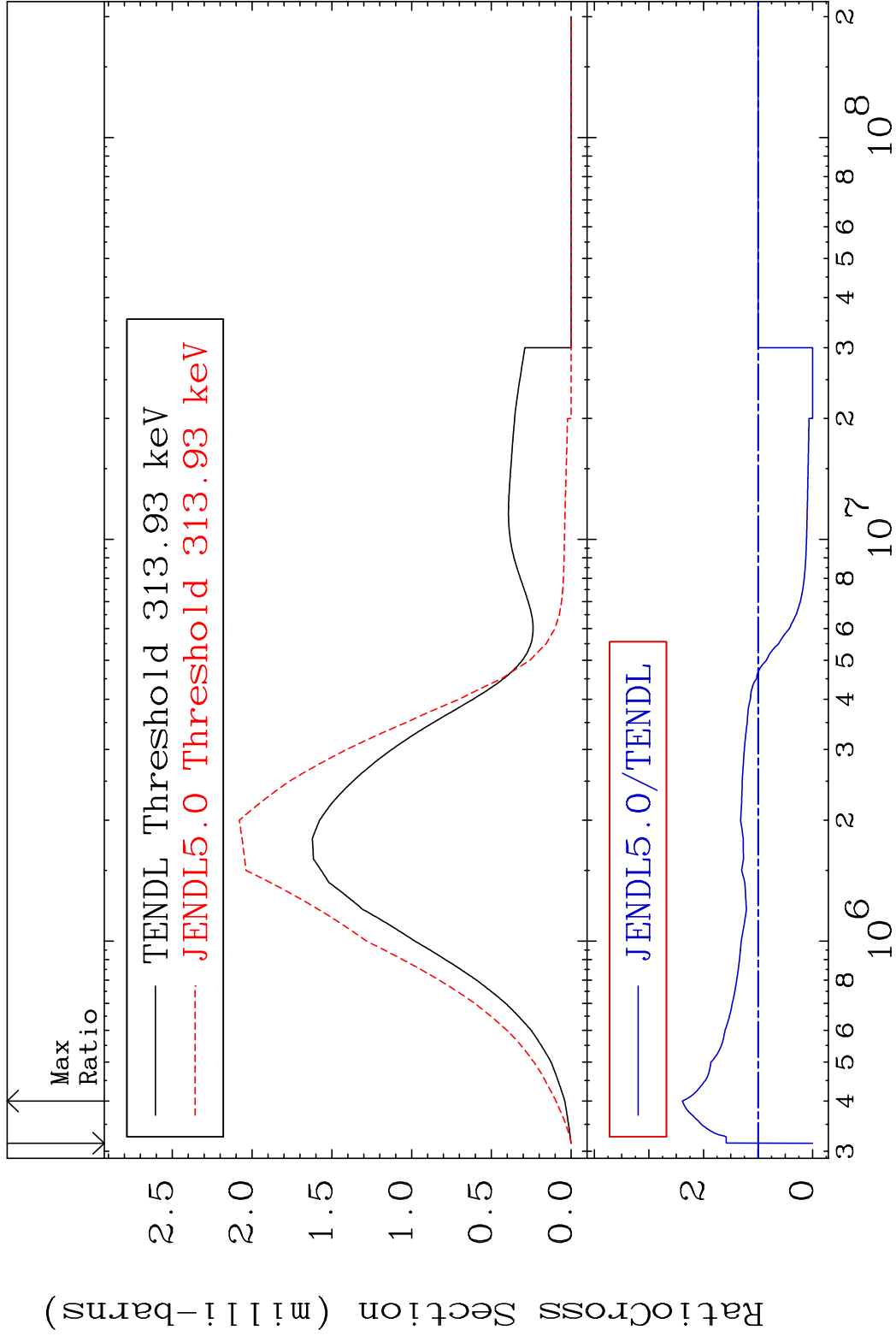


MAT 5316 MT= 67 (n,n') Level 53-I -124
Cross Section -100.0 To 107.9 %

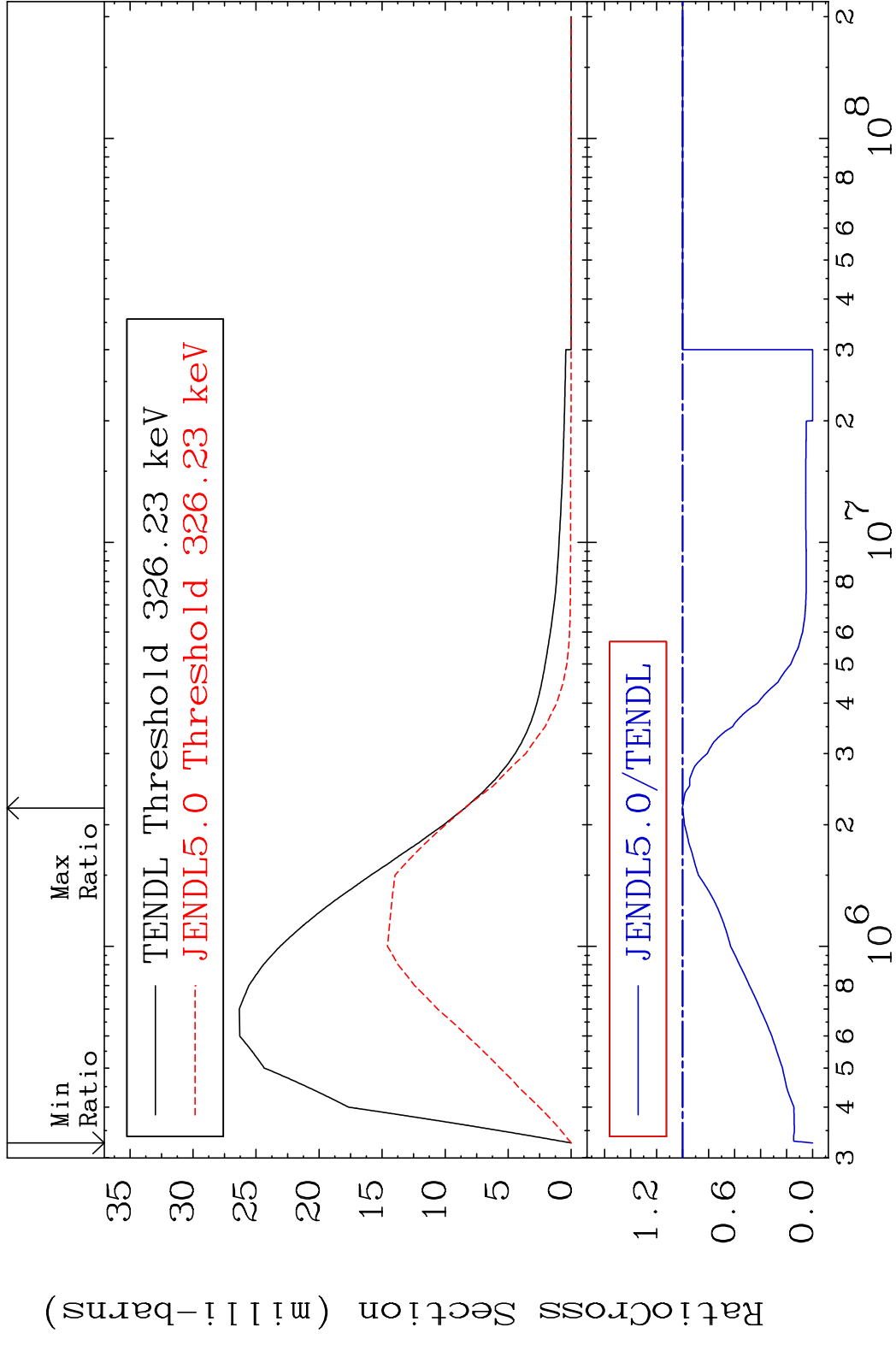




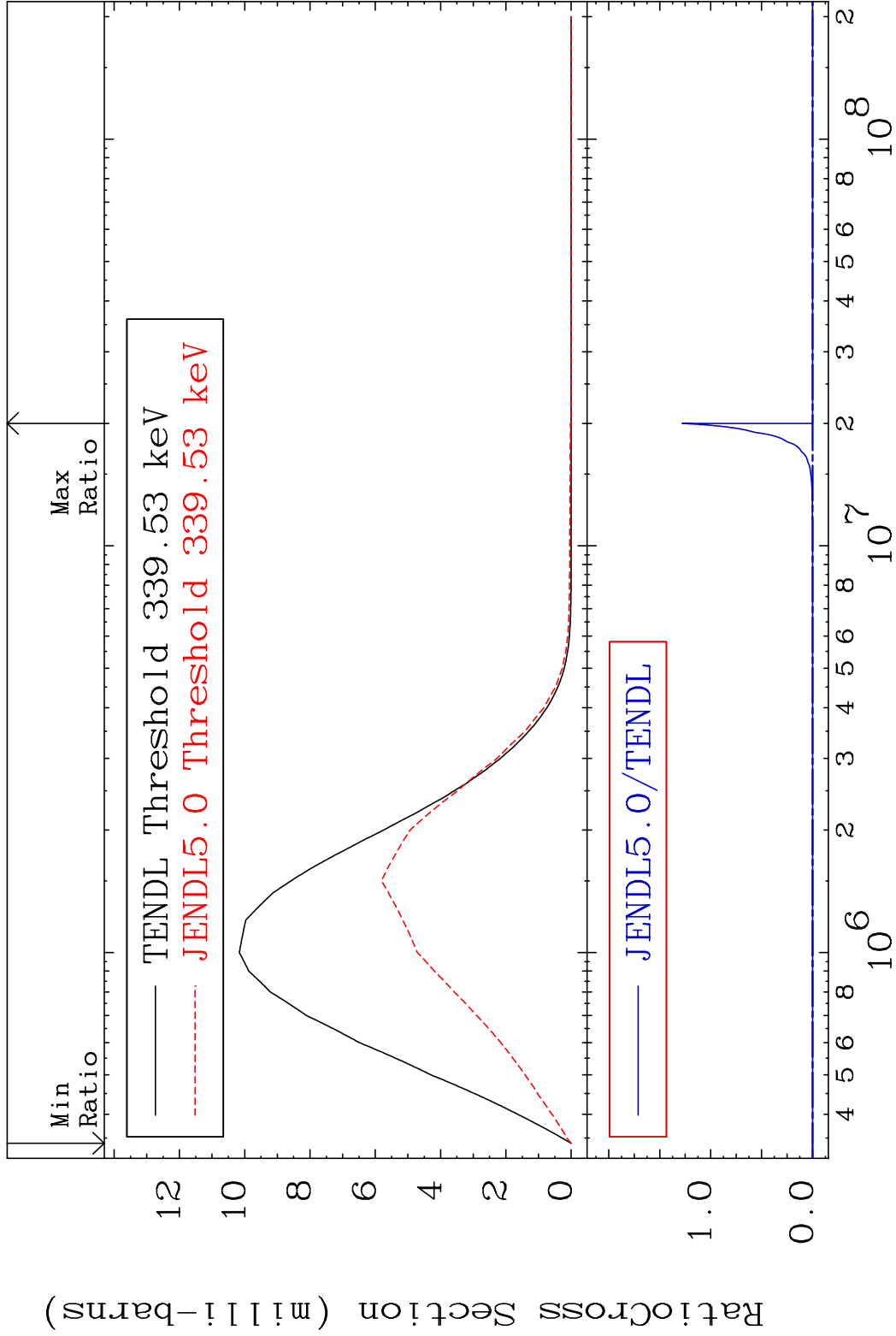
MAT 5316 MT= 69 (n,n') Level 53-I -124
Cross Section -100.0 To 138.8 %



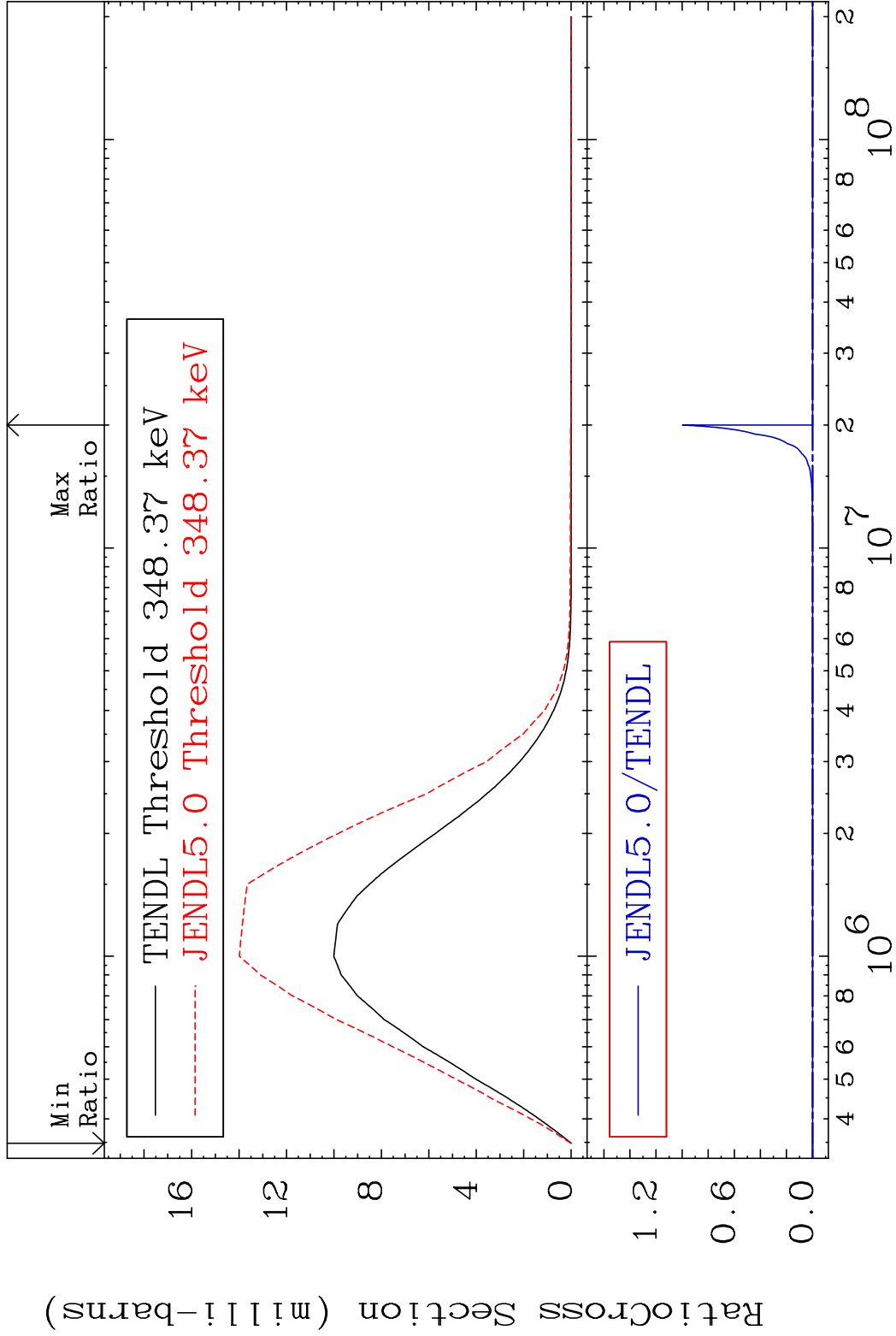
MAT 5316 MT= 70 (n,n') Level 53-I -124
Cross Section -100.0 To 0.180 %

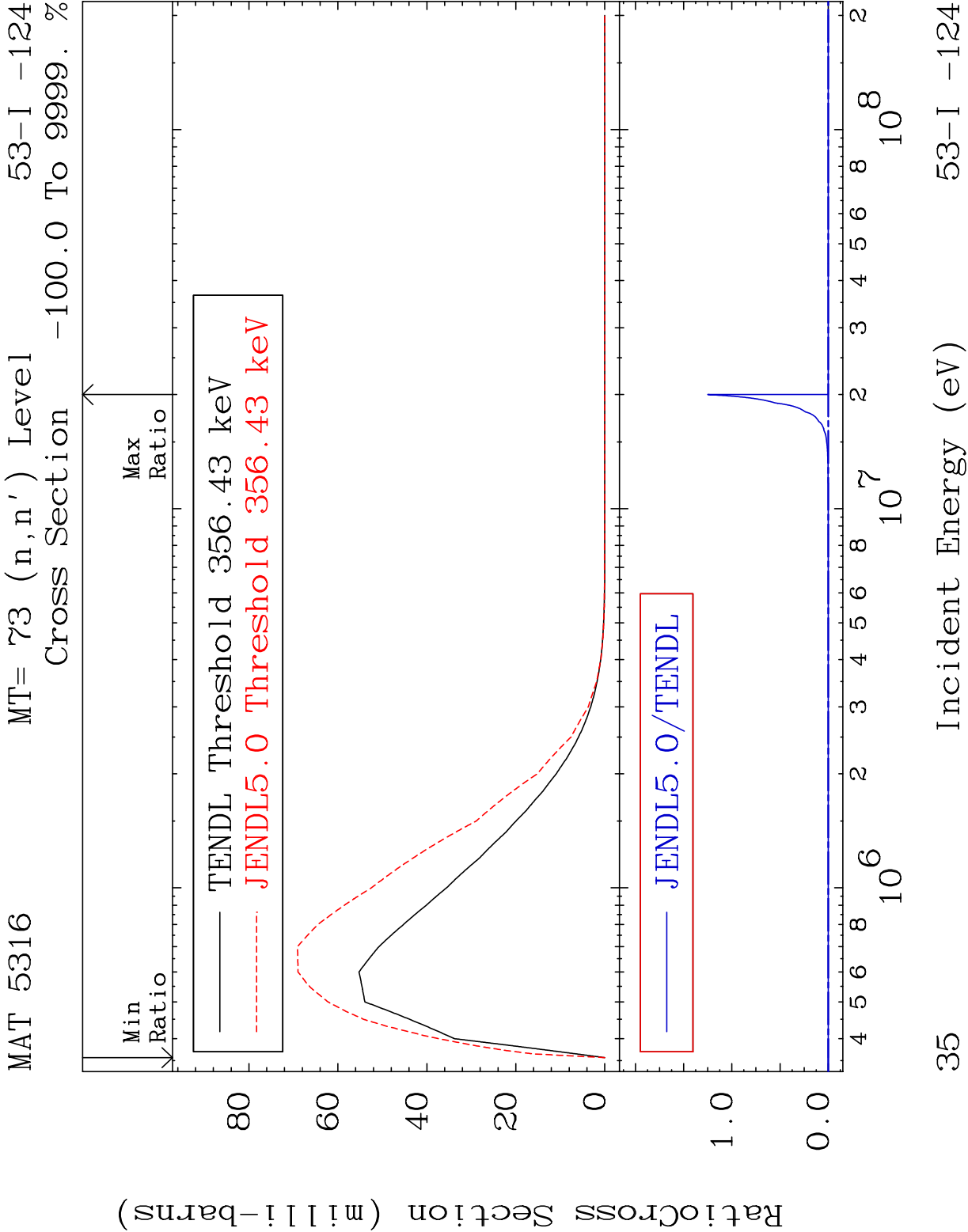


MAT 5316 MT= 71 (n,n') Level 53-I -124
Cross Section -100.0 To 9999. %

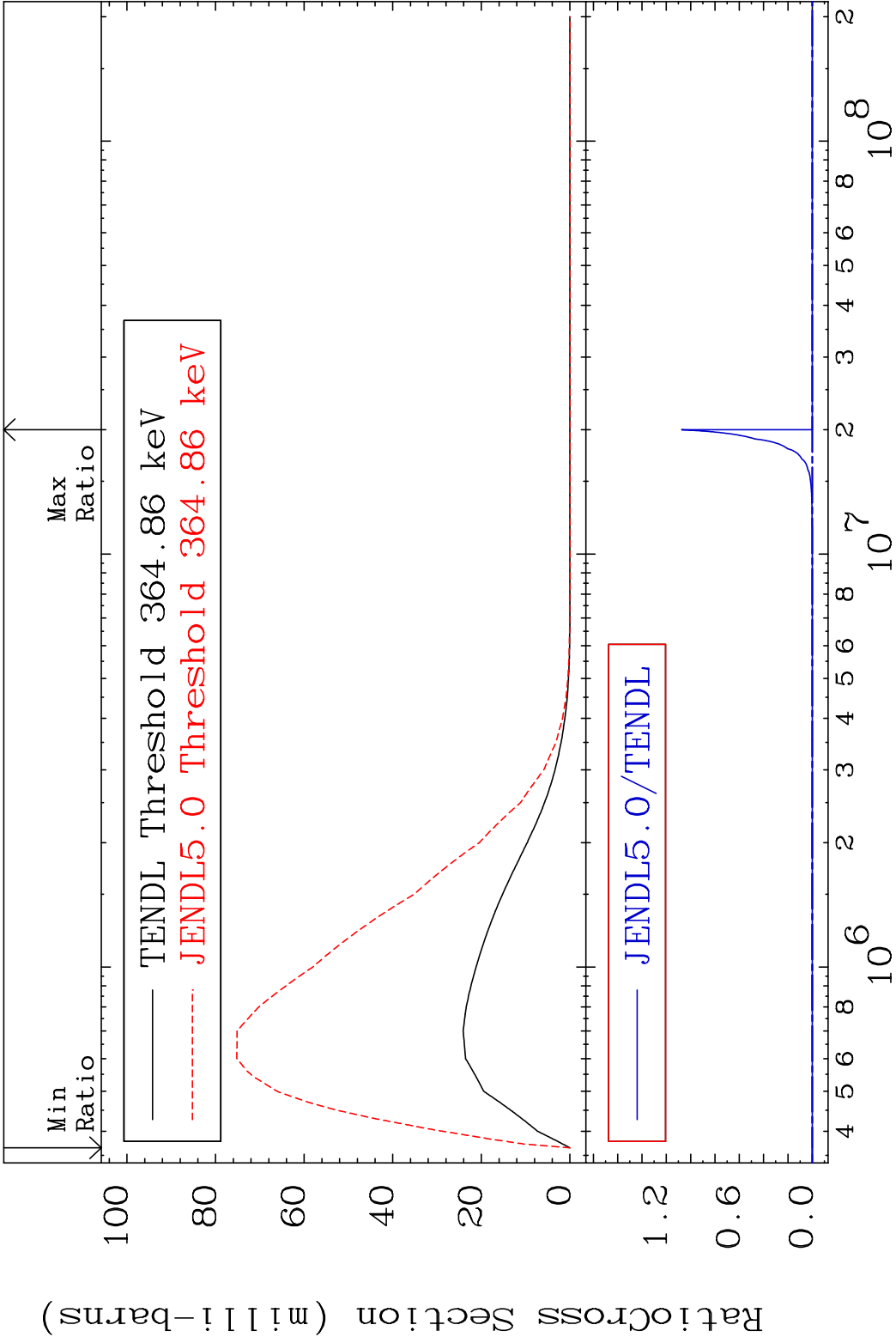


MAT 5316 MT= 72 (n,n') Level 53-I -124
Cross Section -100.0 To 9999. %



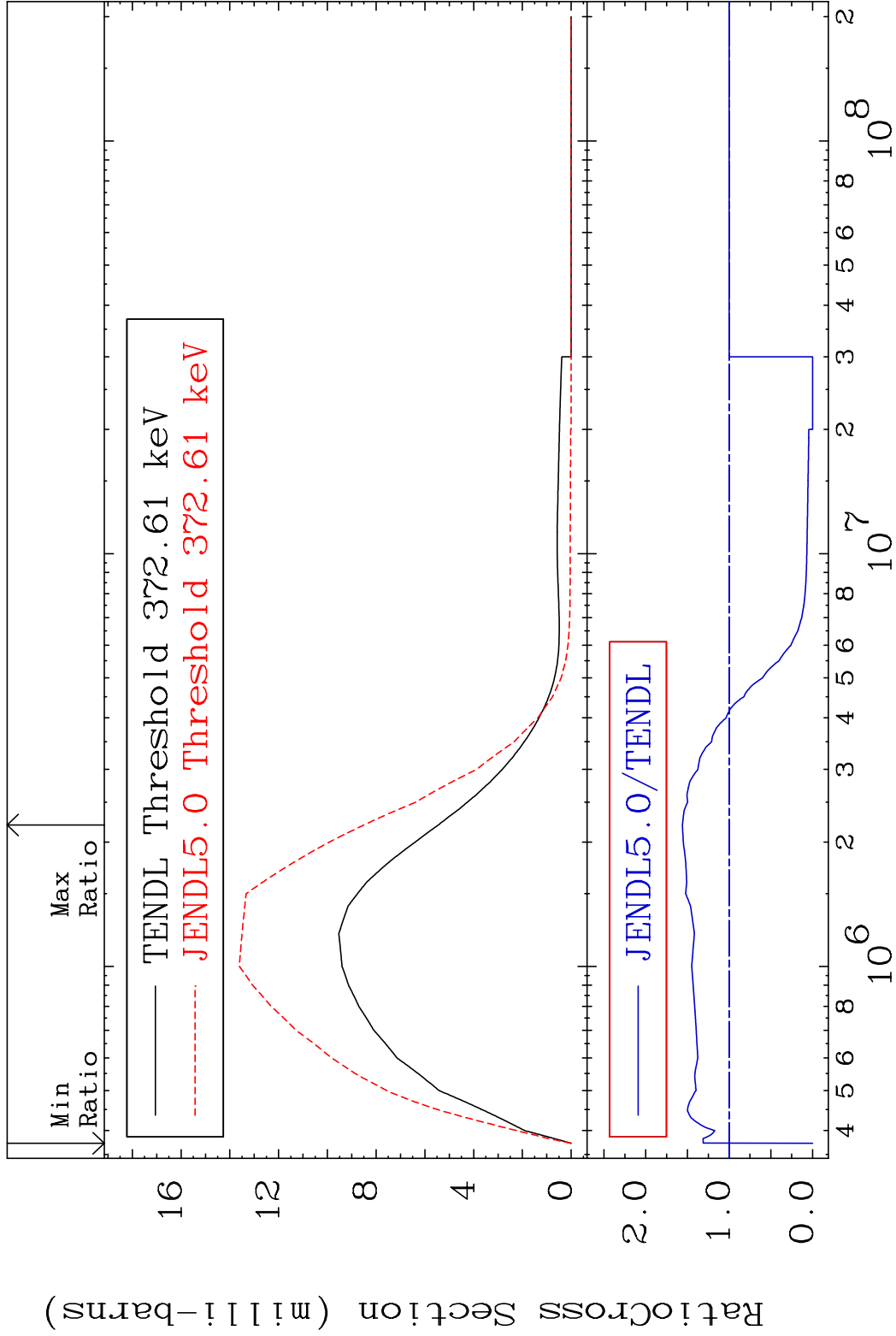


MAT 5316 MT= 74 (n,n') Level 53-I -124
 Cross Section -100.0 To 9999. %

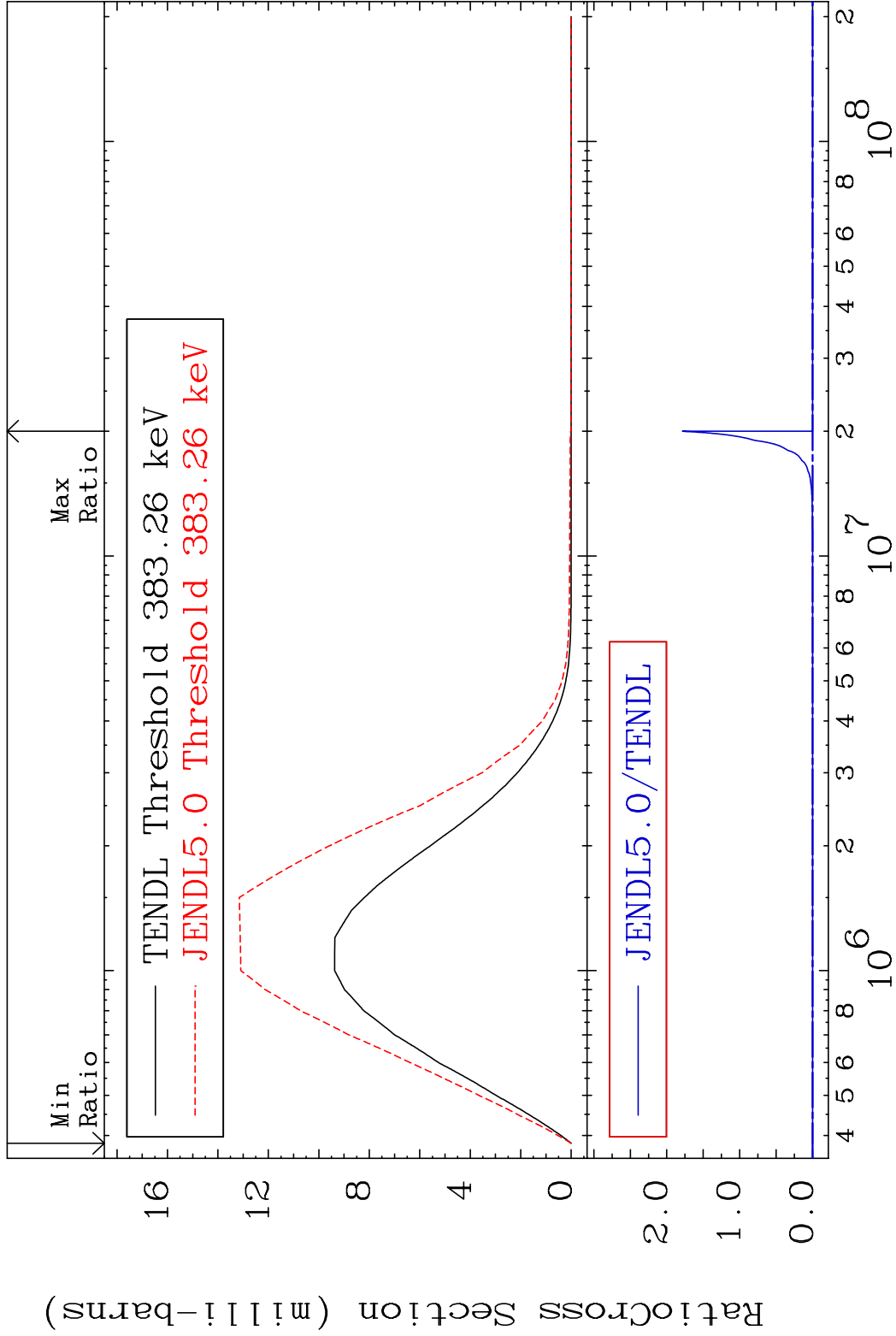


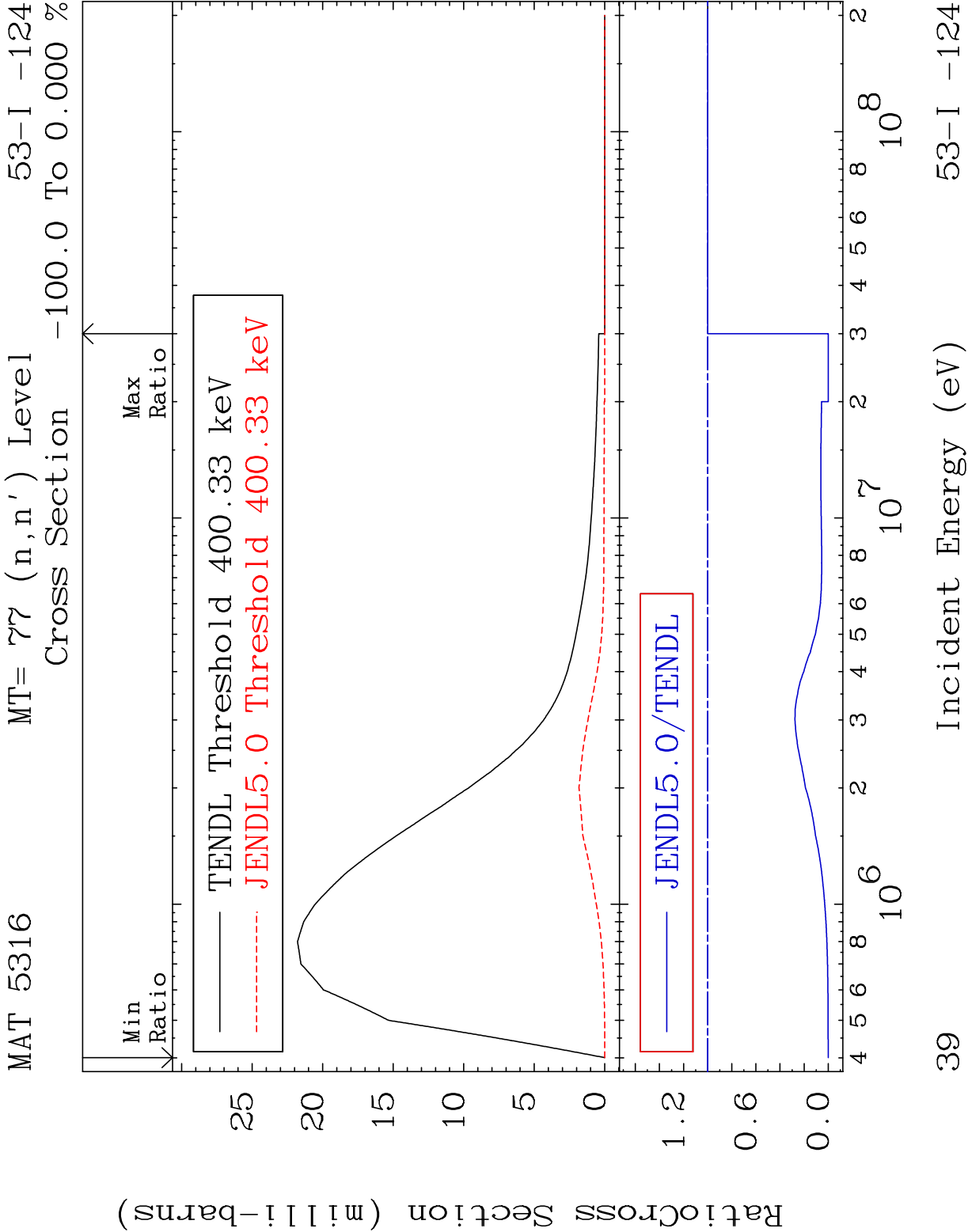
36 Incident Energy (eV) 53-I -124

MAT 5316 MT= 75 (n,n') Level 53-I -124
Cross Section -100.0 To 56.07 %

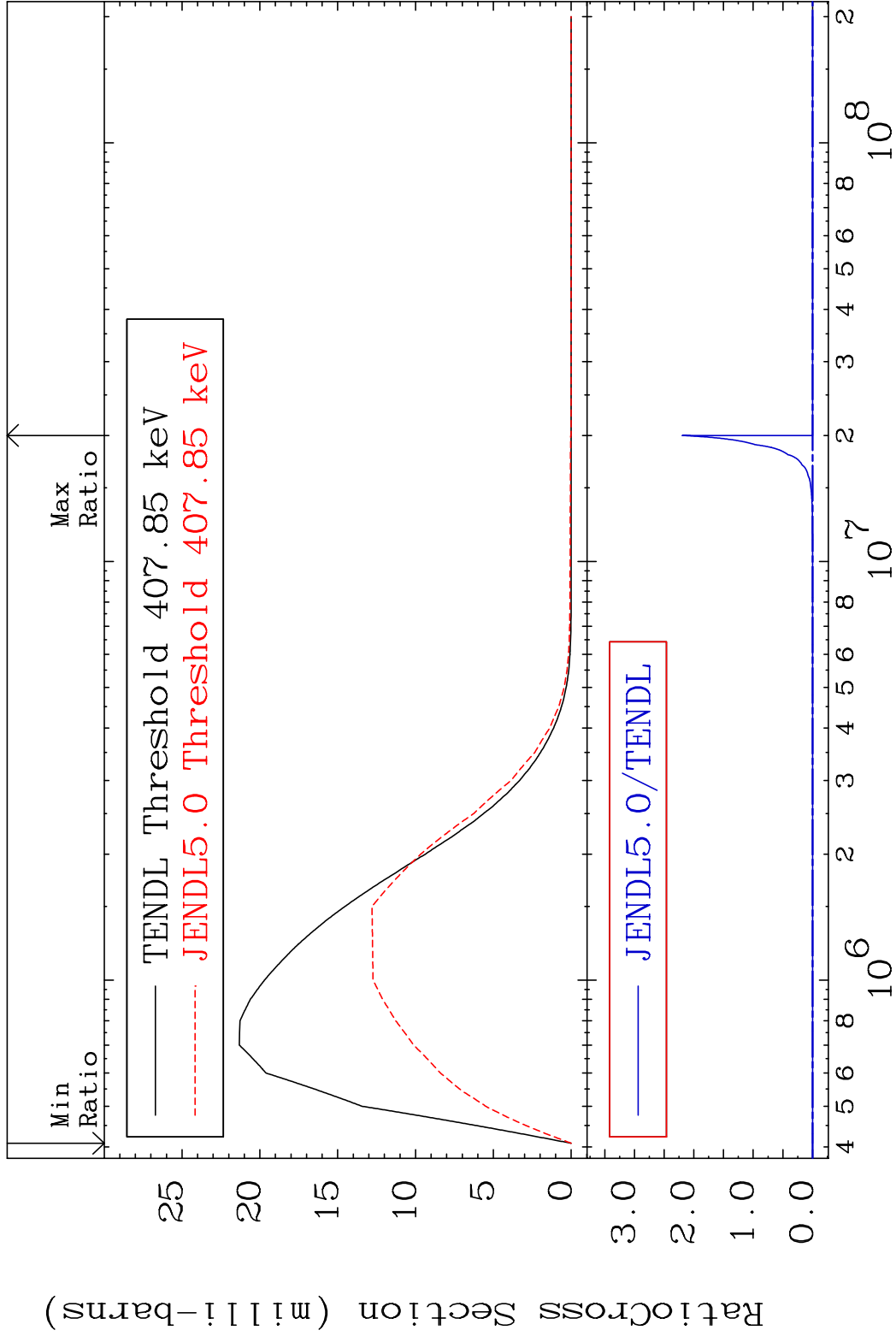


MAT 5316 MT= 76 (n,n') Level 53-I -124
Cross Section -100.0 To 9999. %

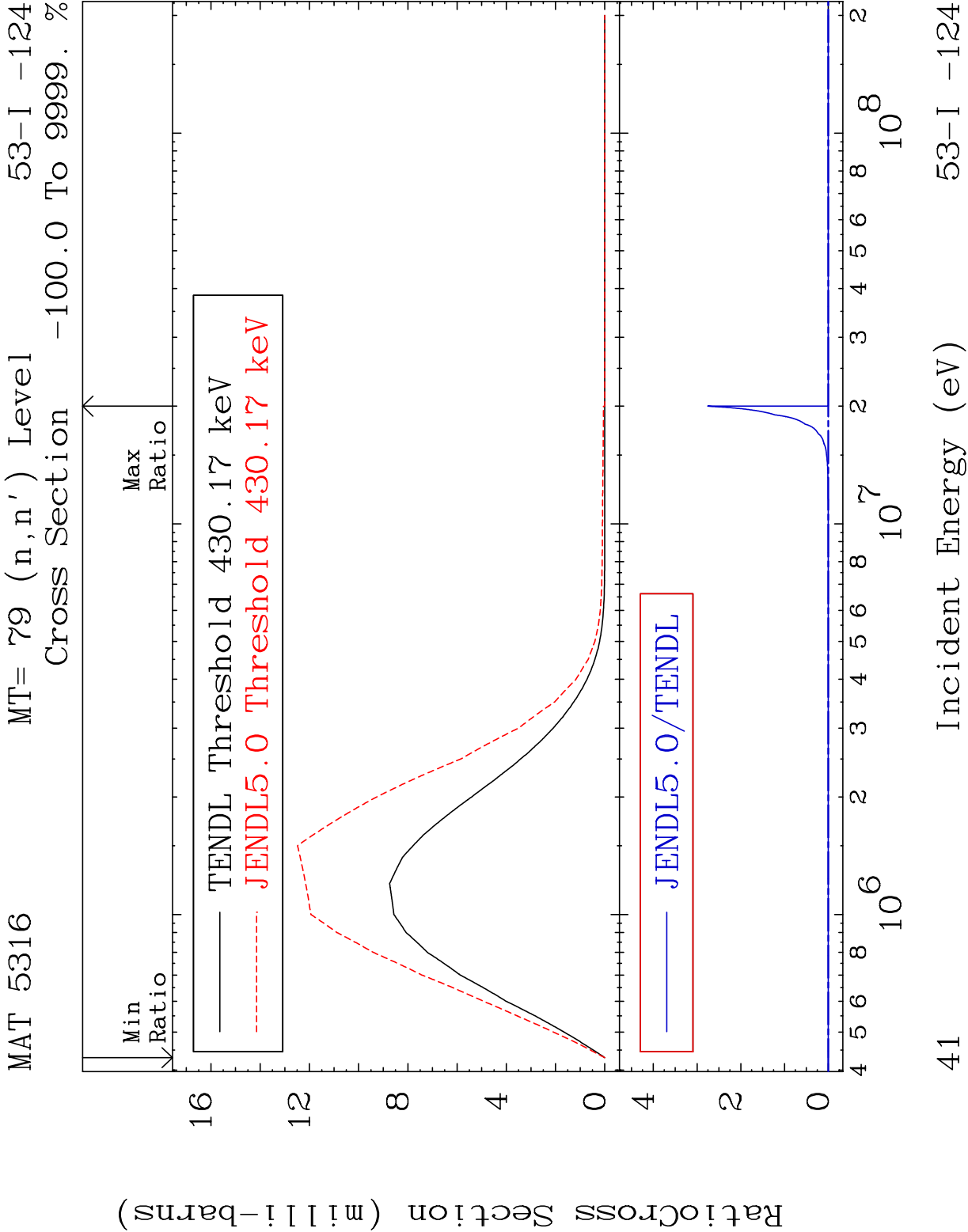


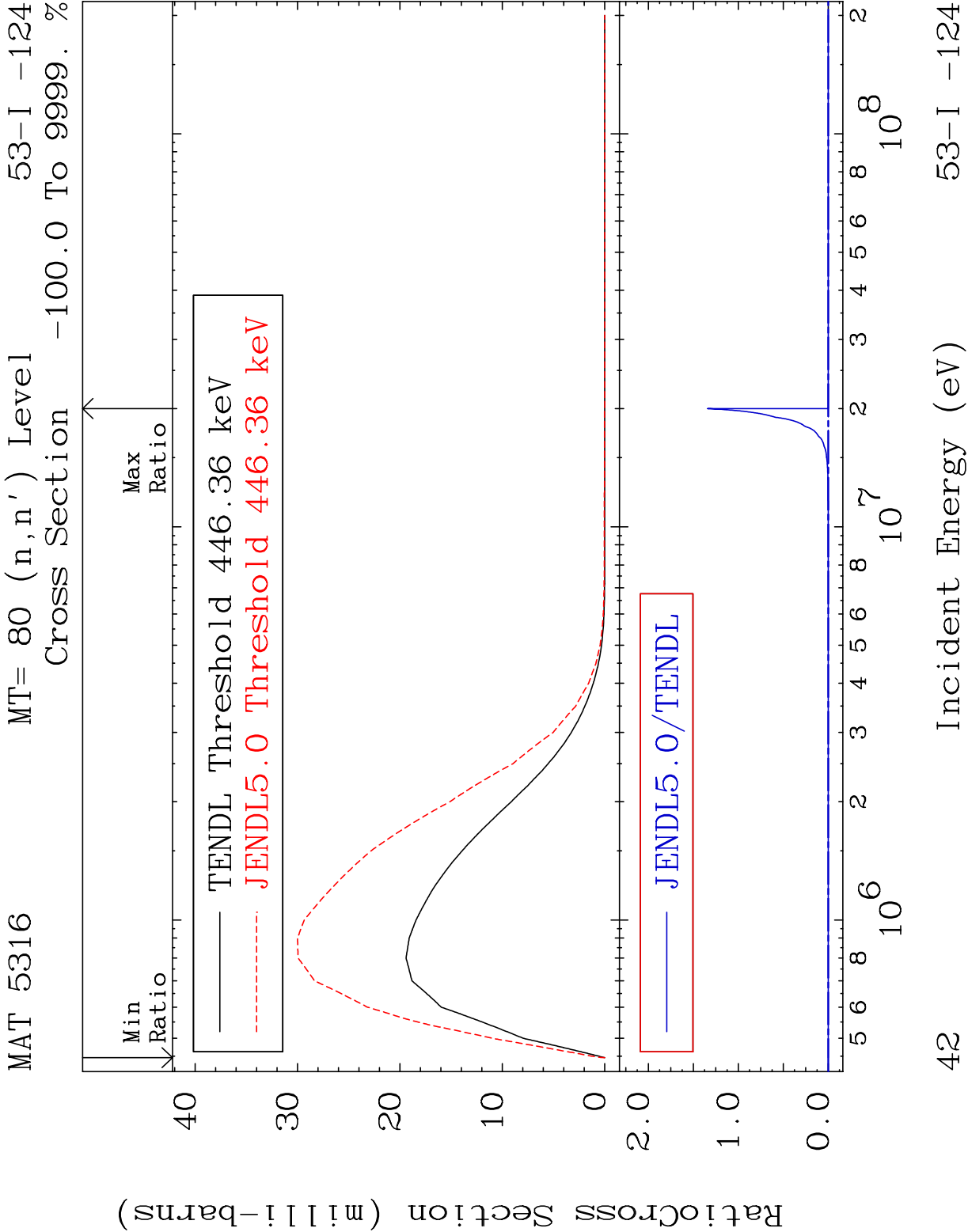


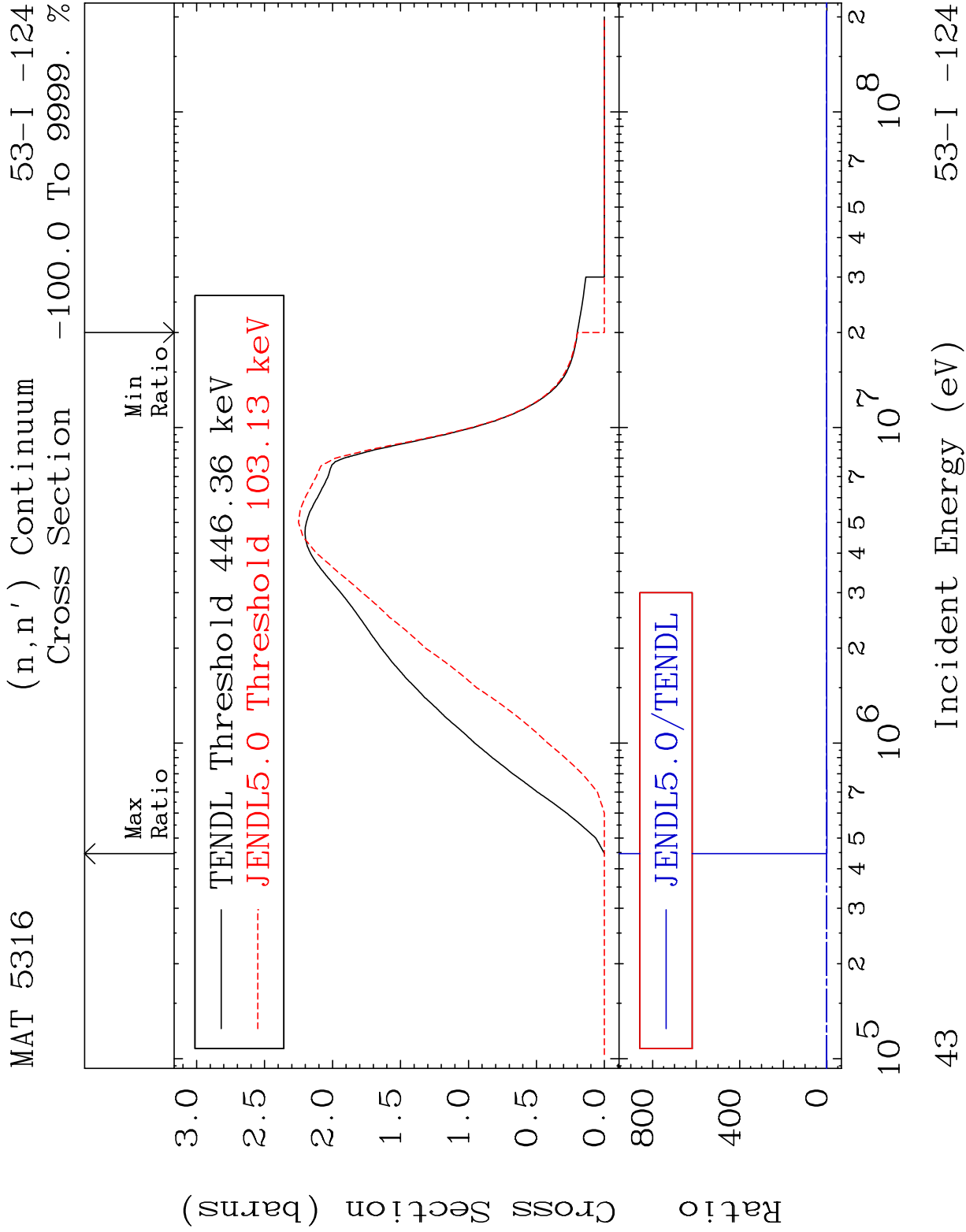
MAT 5316 MT= 78 (n,n') Level 53-I -124
Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 53-I -124

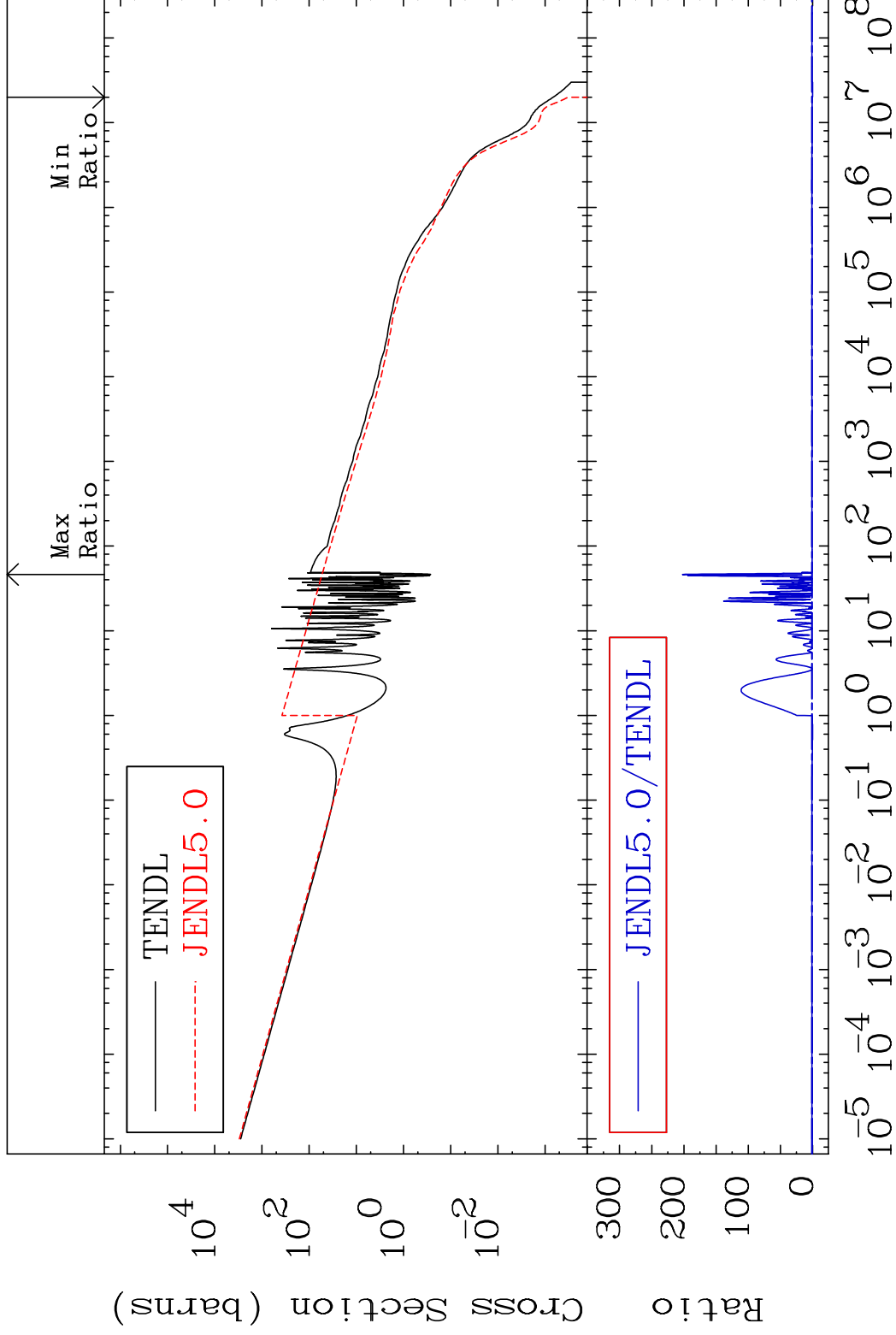






MAT 5316

(n, γ)
Cross Section 53-I -124
-100.0 To 9999. %



44

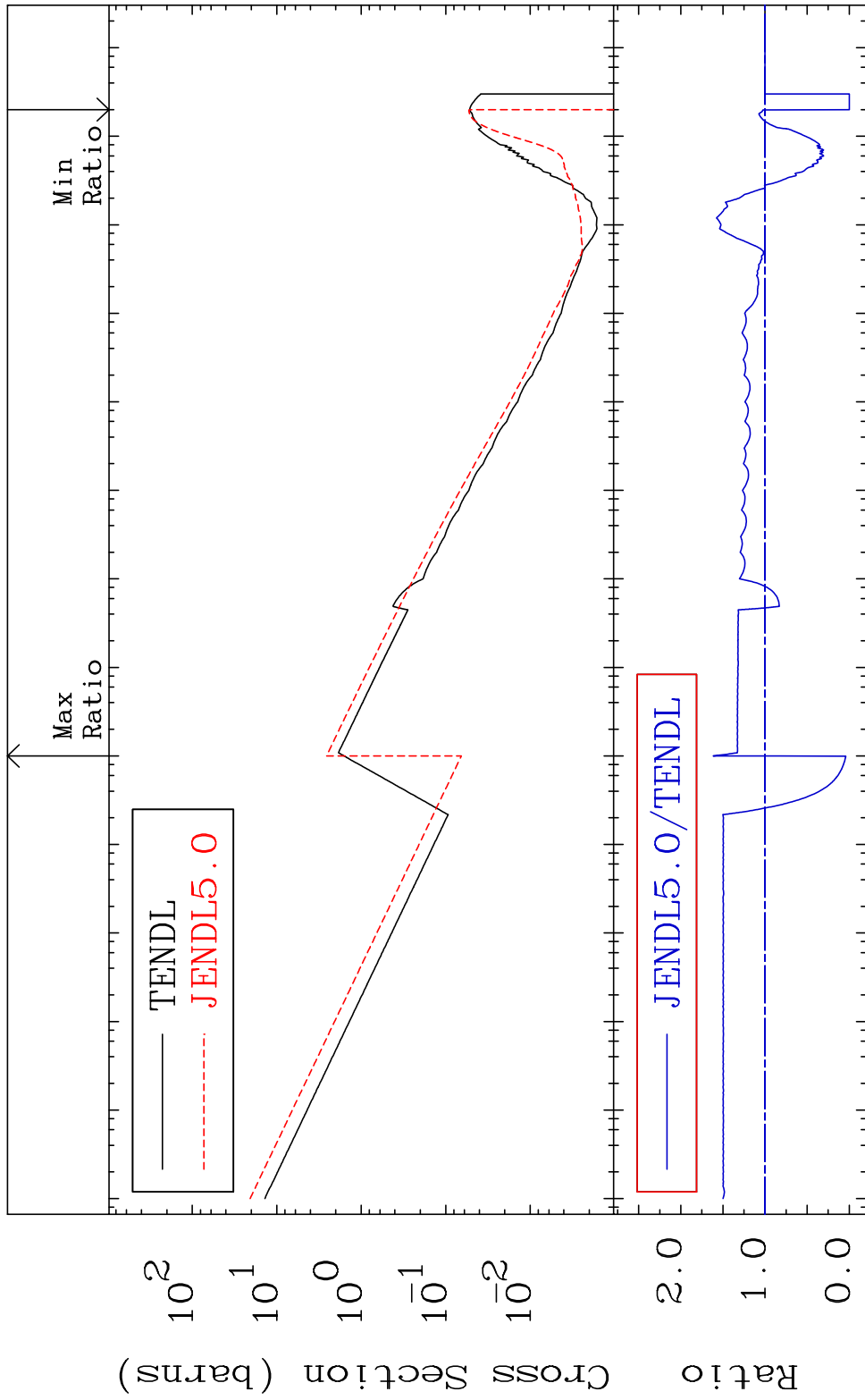
Incident Energy (eV)

53-I -124

MAT 5316

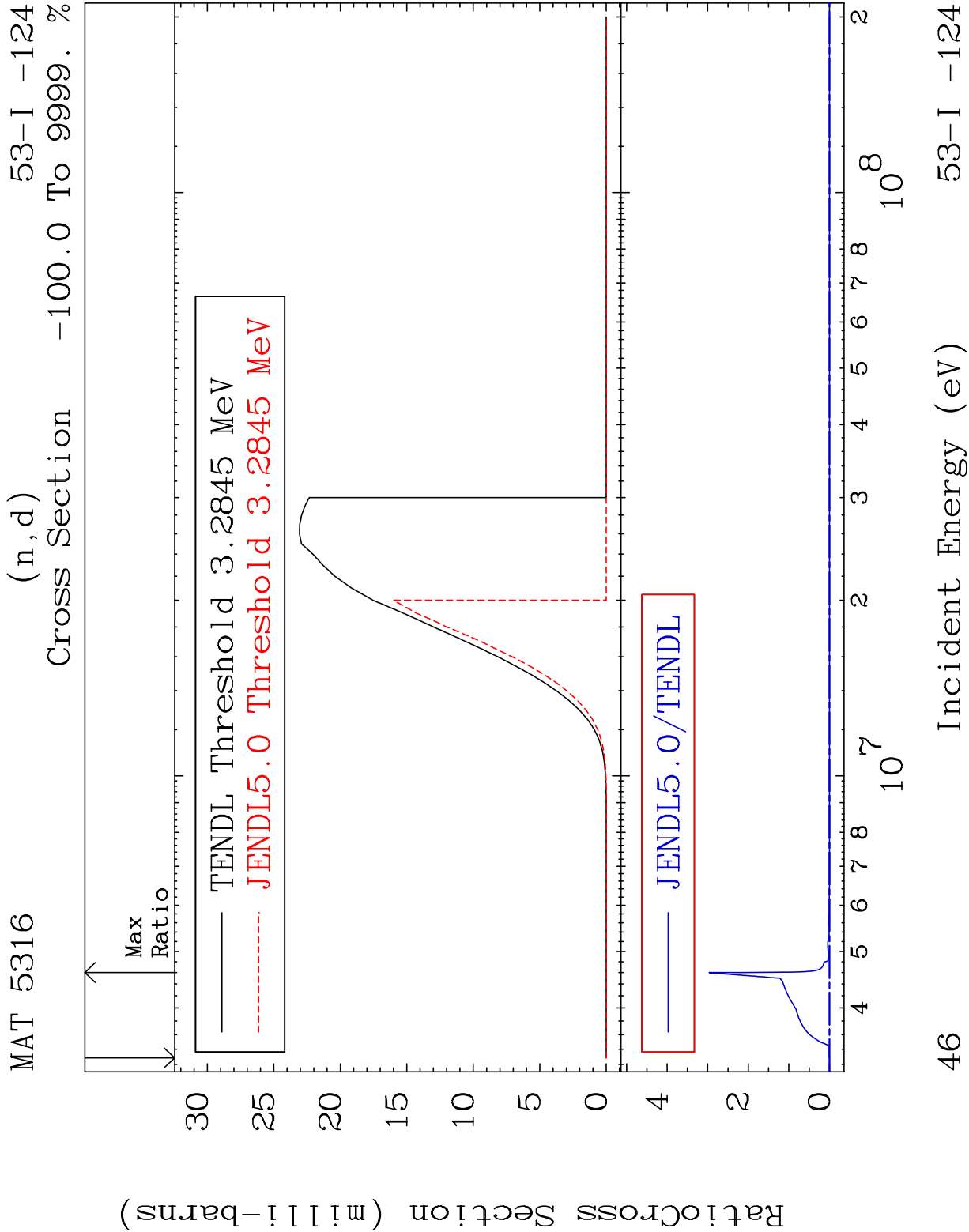
(n,p)

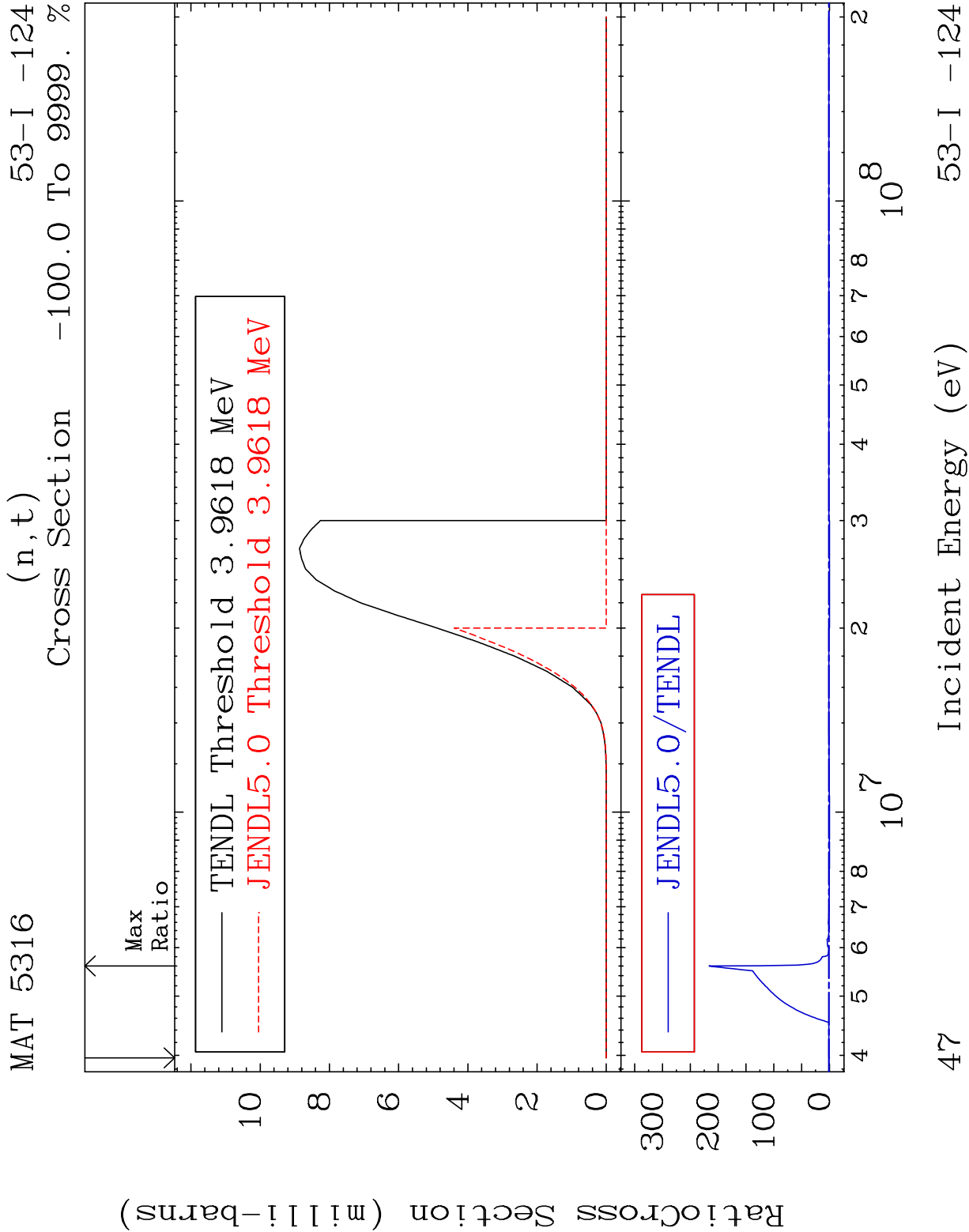
Cross Section 53-I -124
-100.0 To 61.58 %

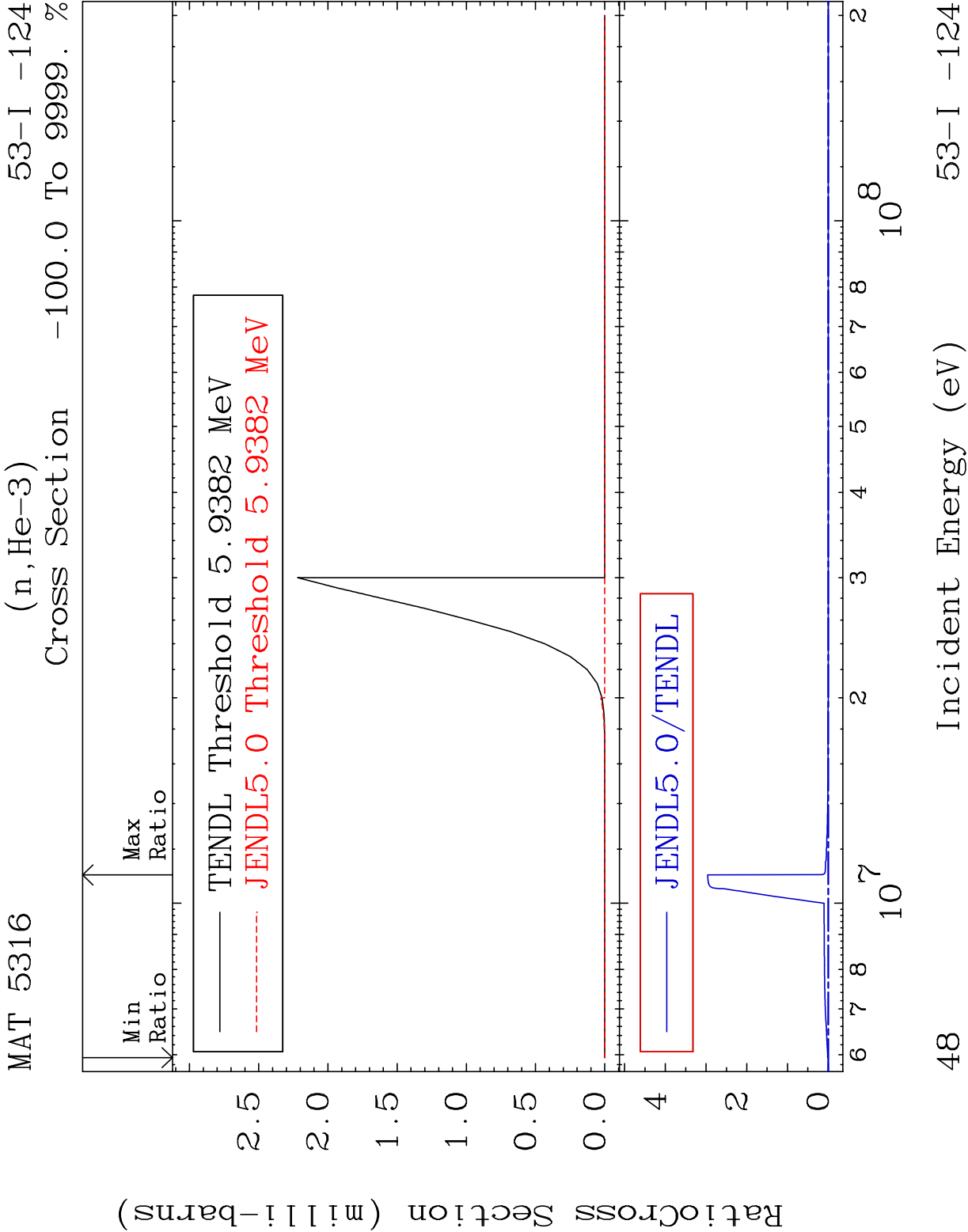


Incident Energy (eV) 53-I -124

45

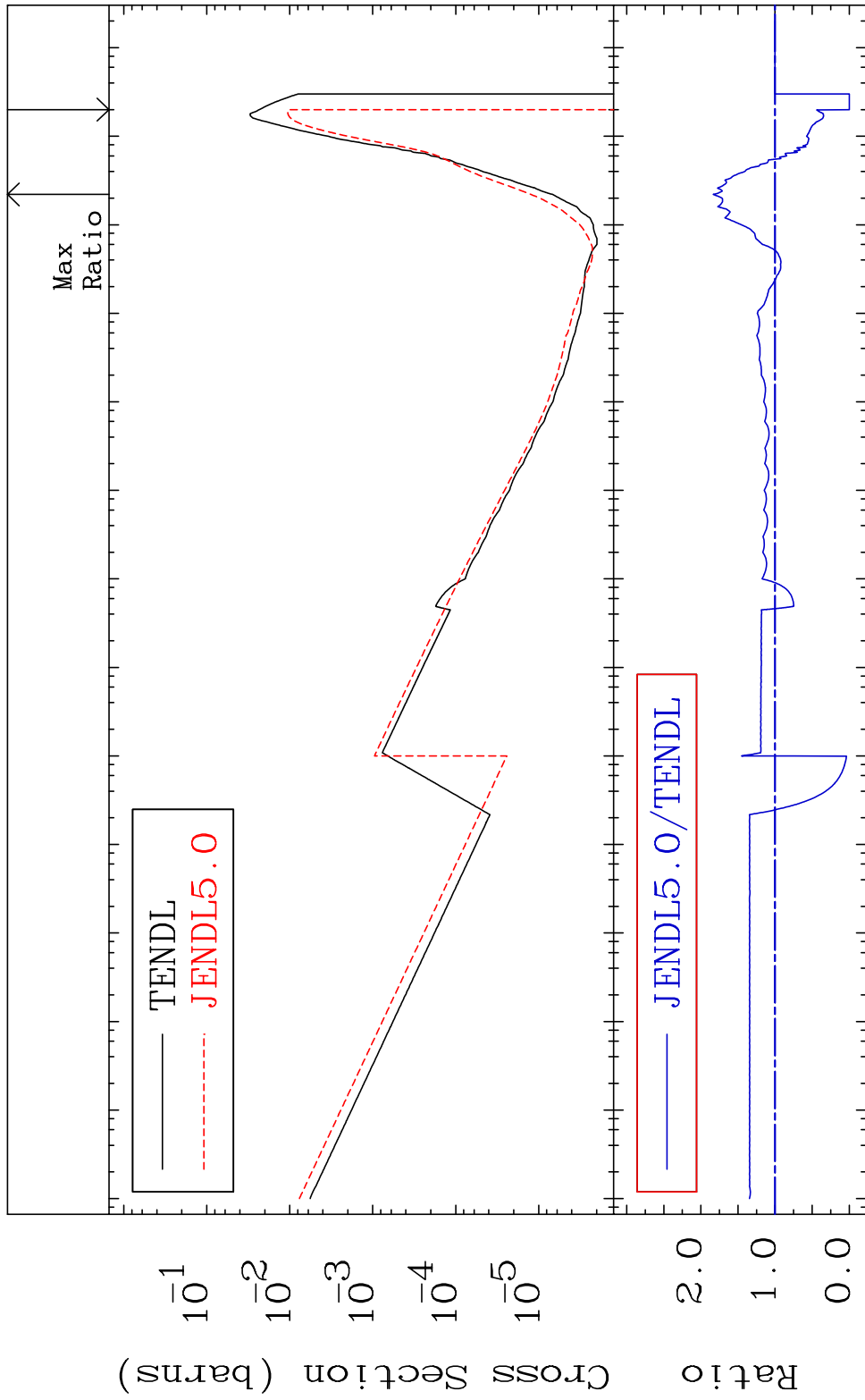


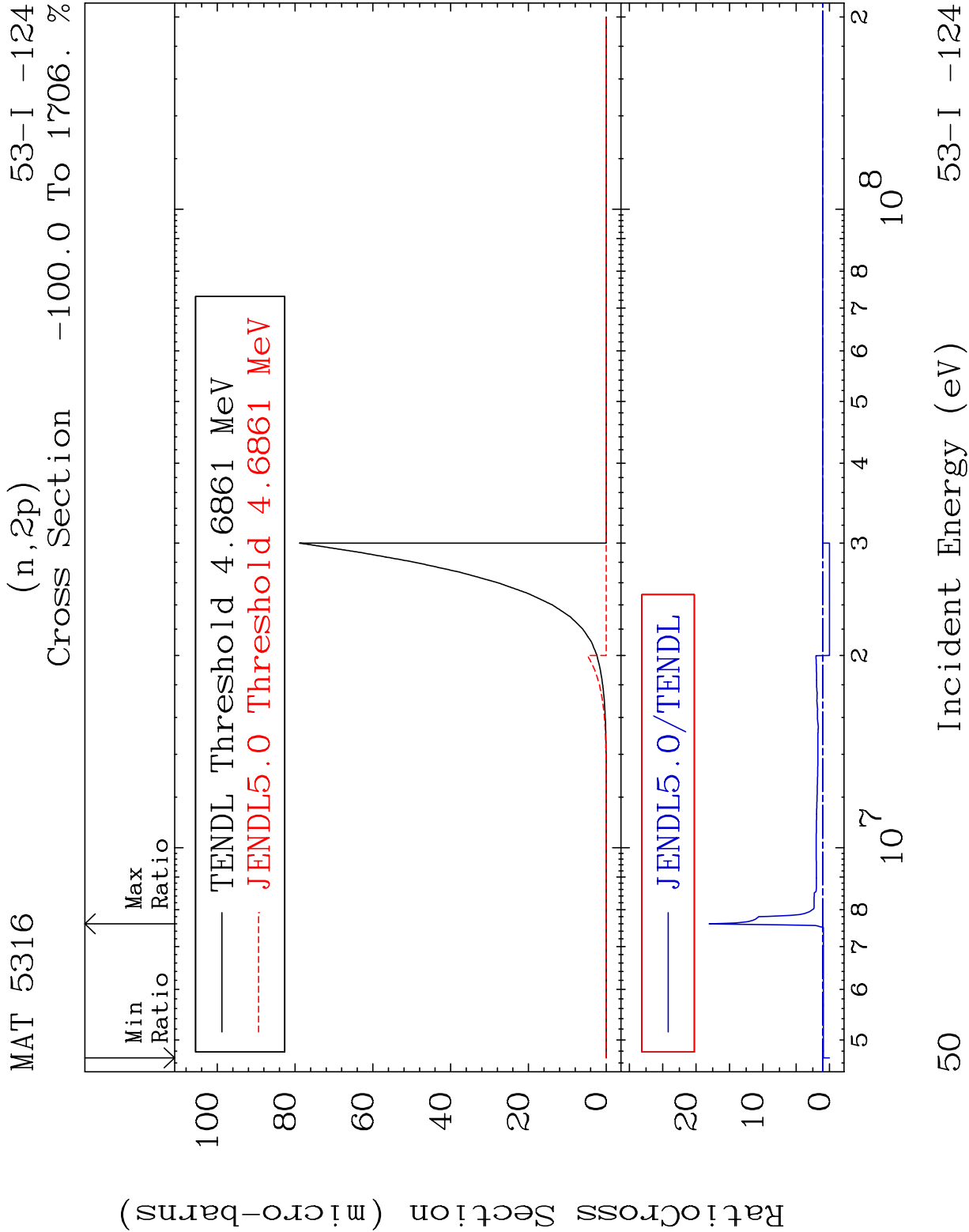


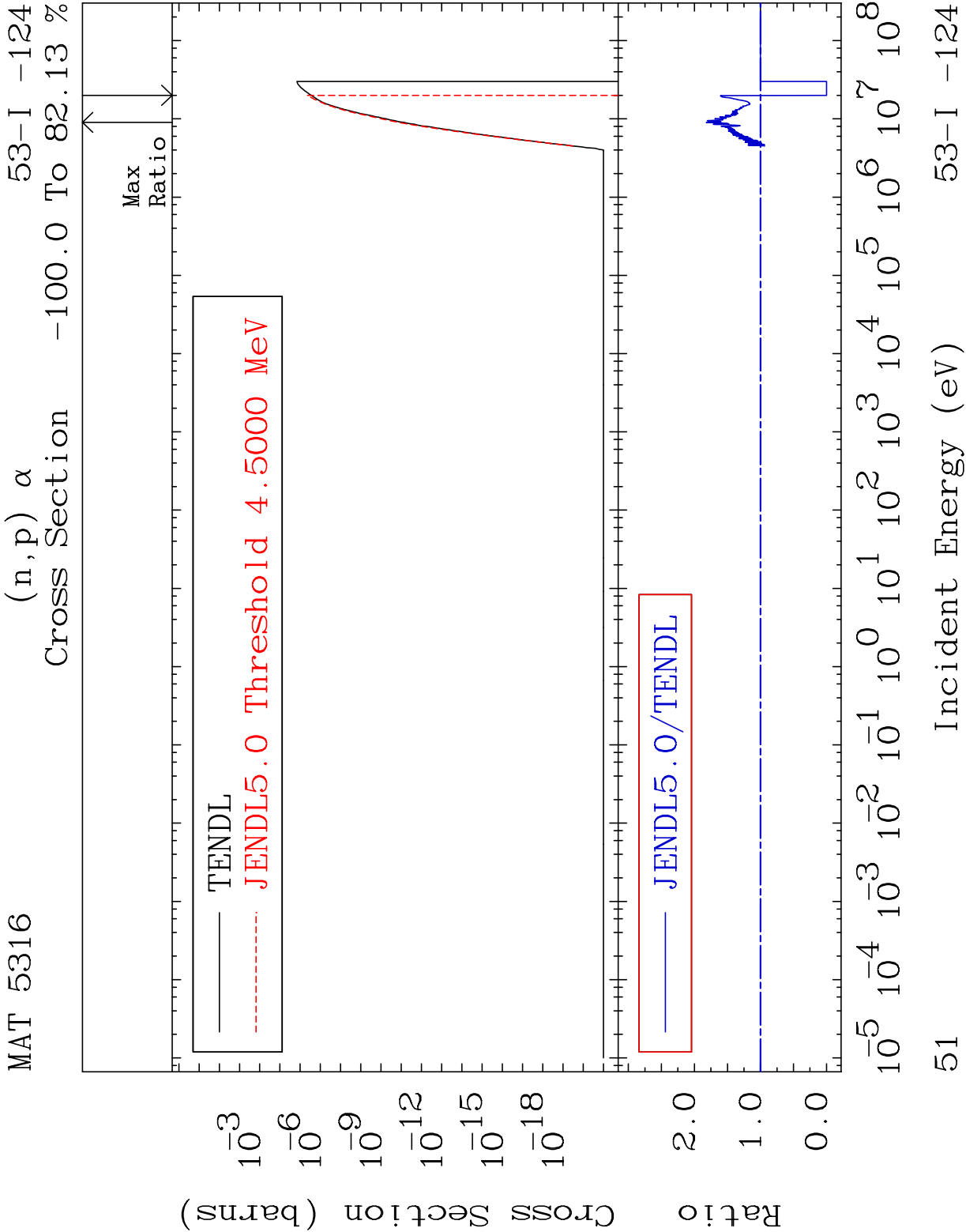


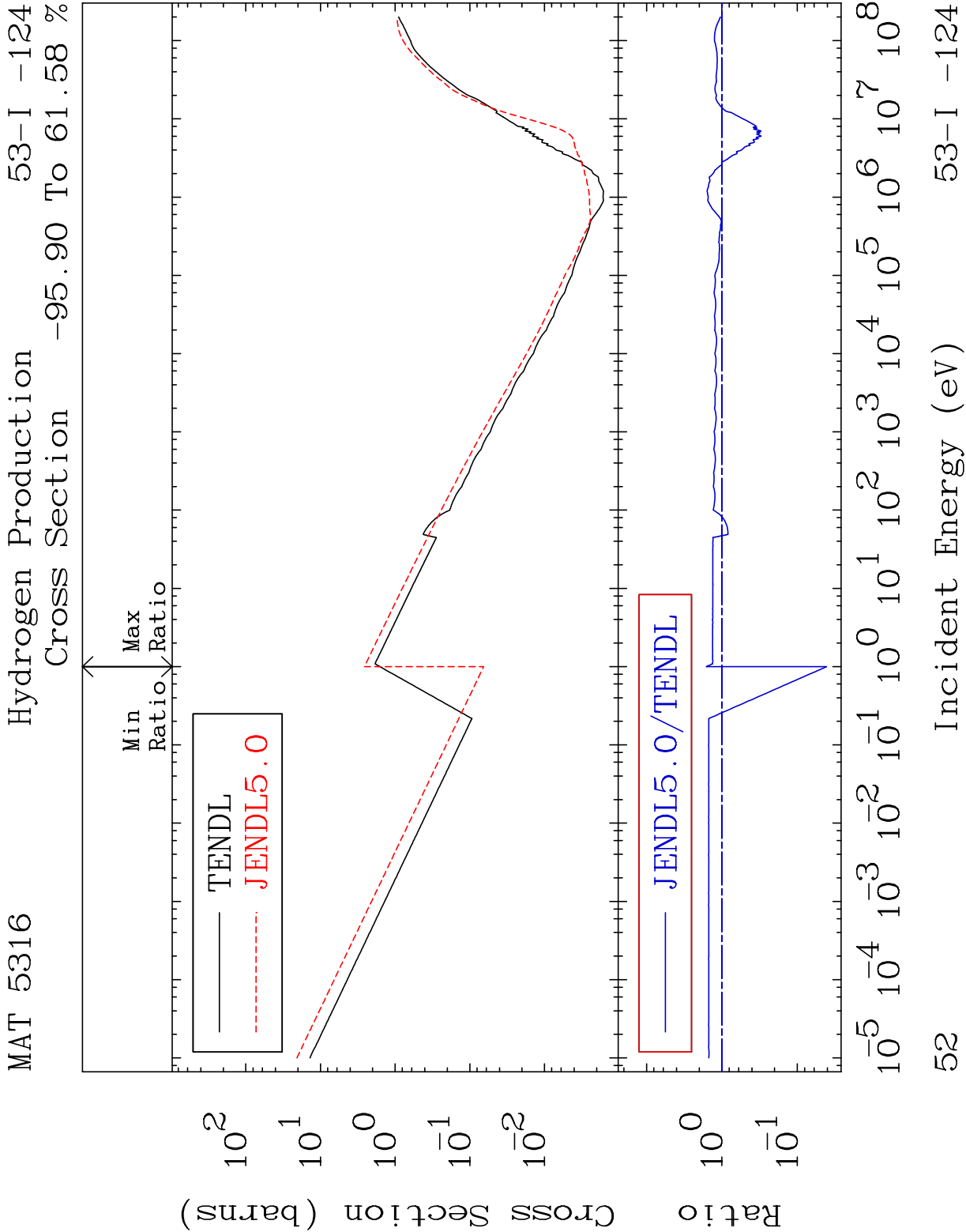
MAT 5316

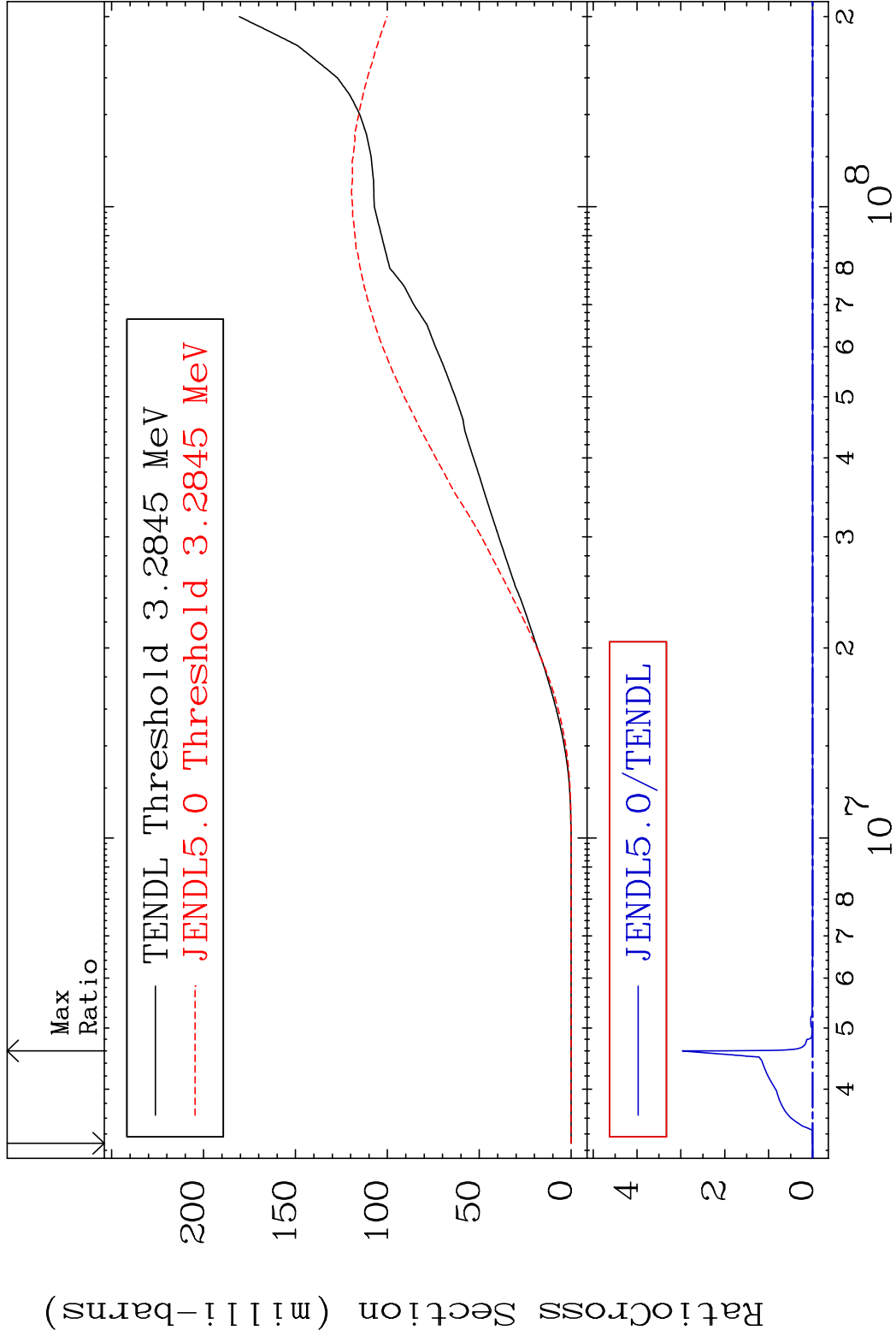
(n, α)
Cross Section 53-I -124
 -100.0 To 83.40 %

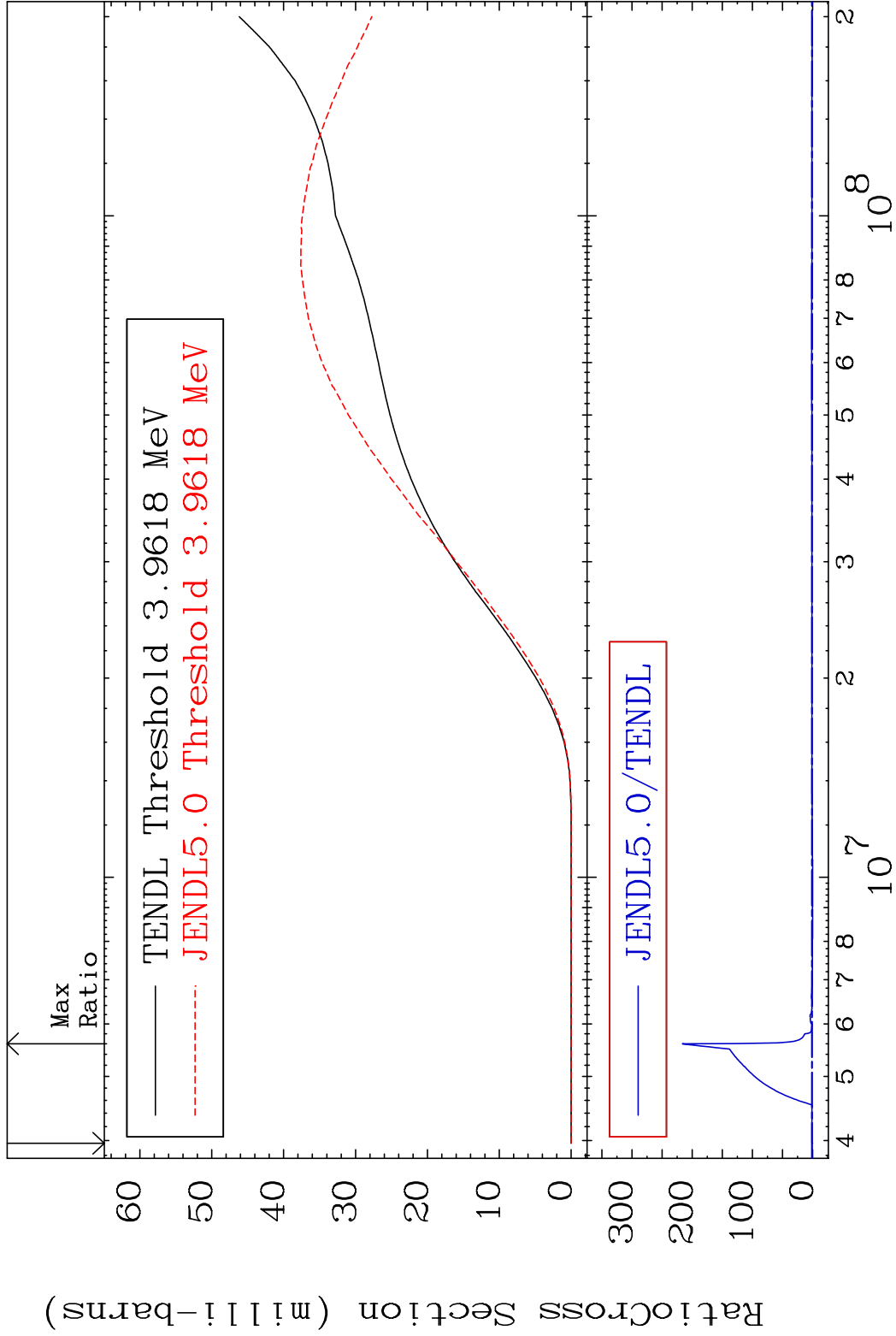


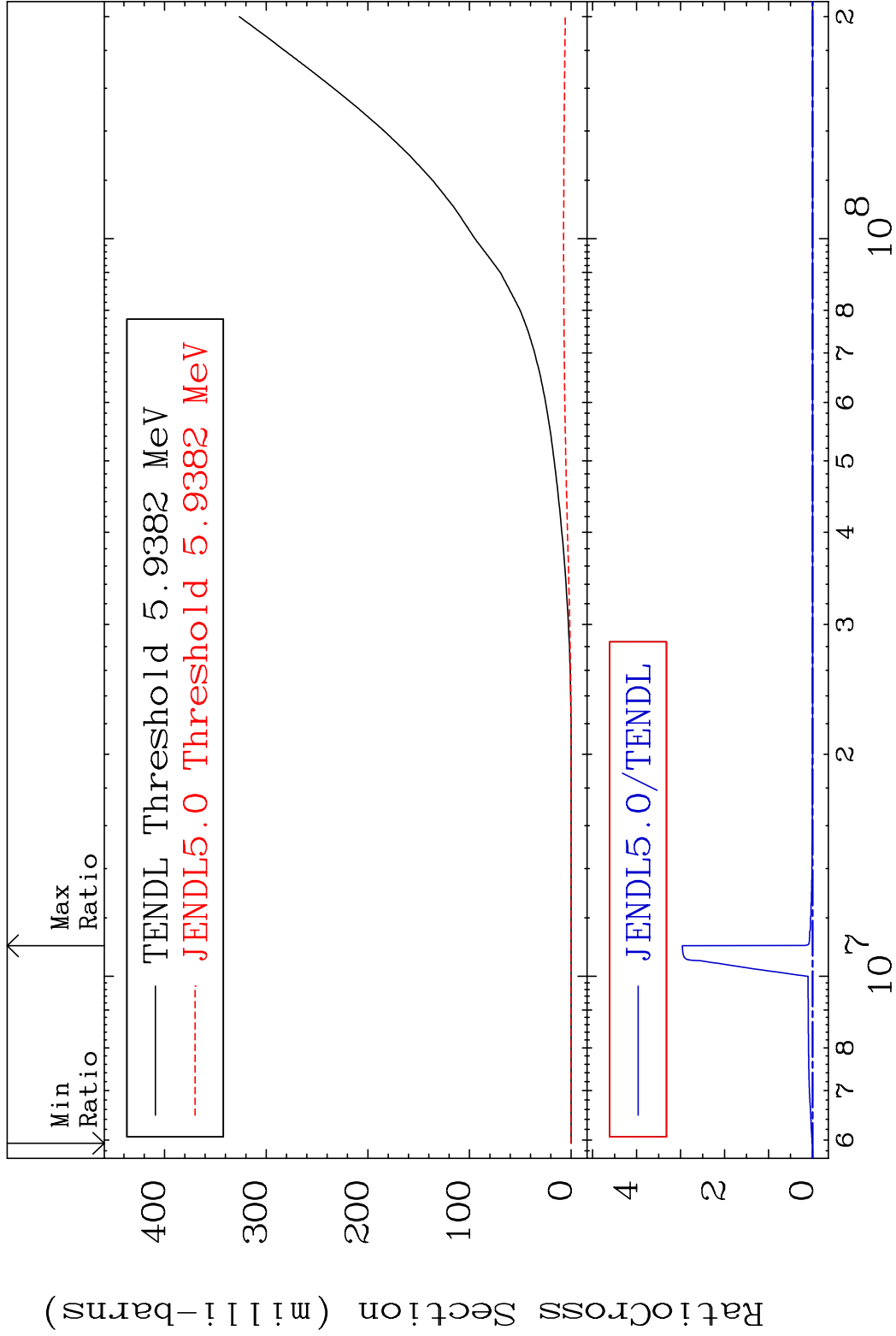


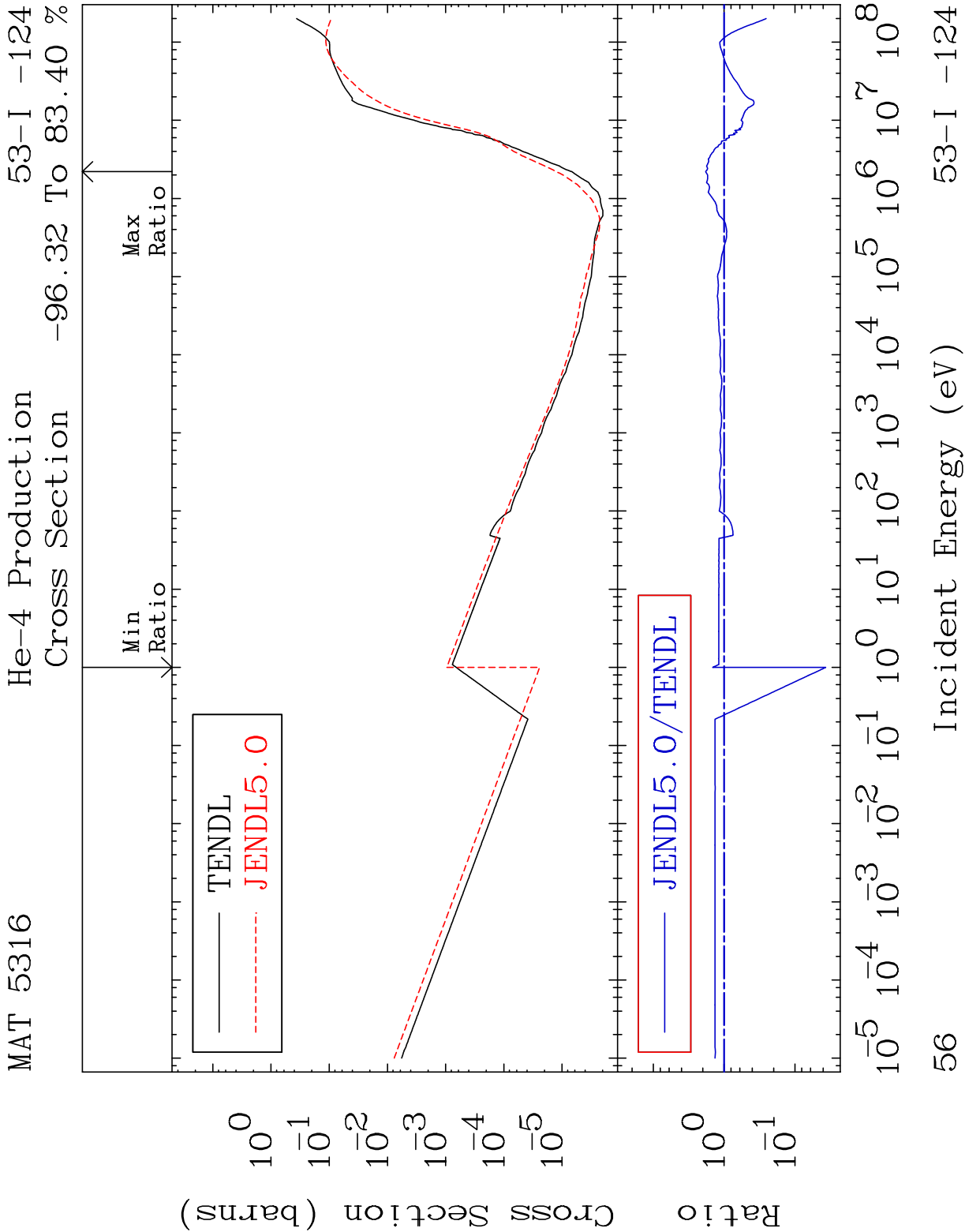


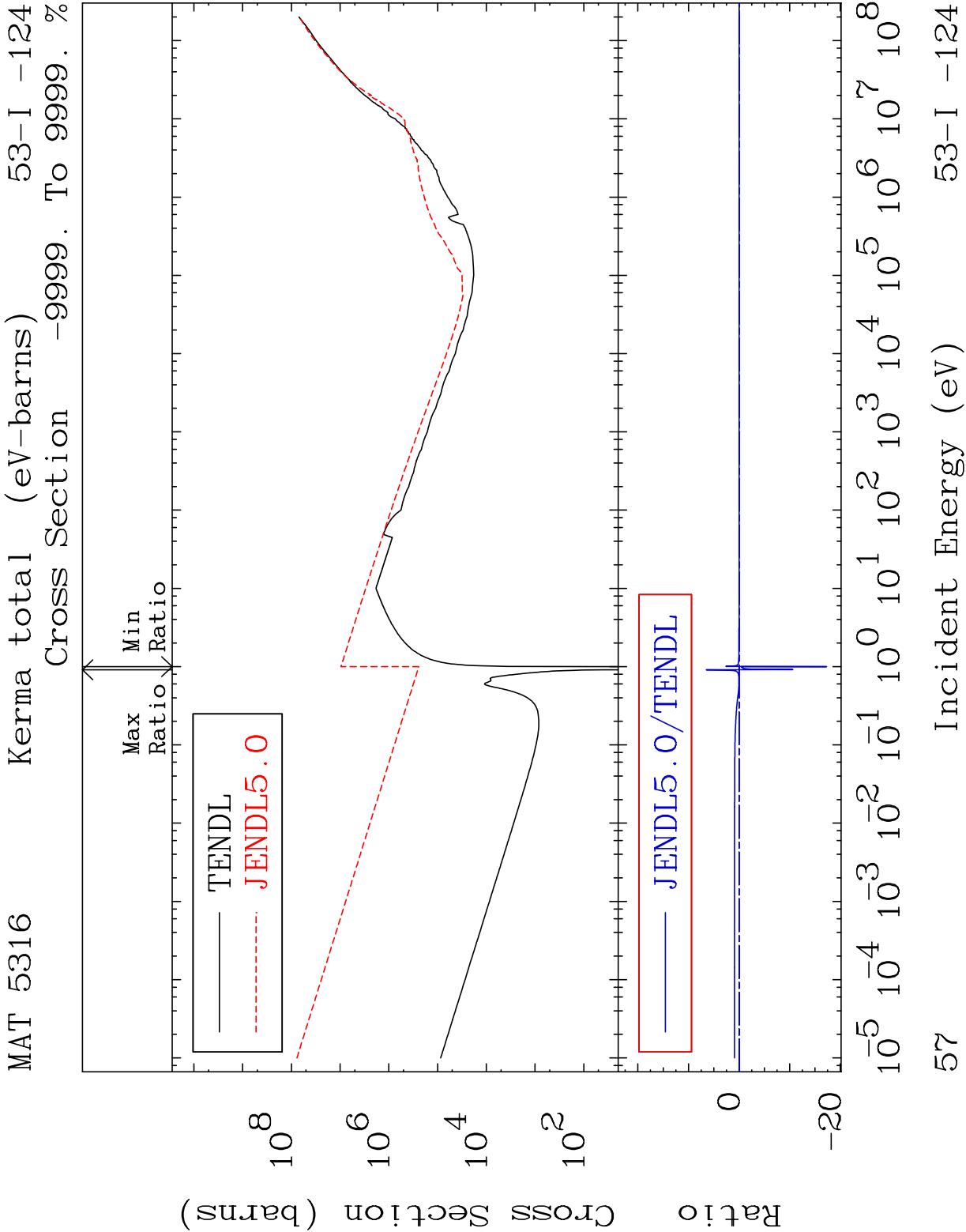








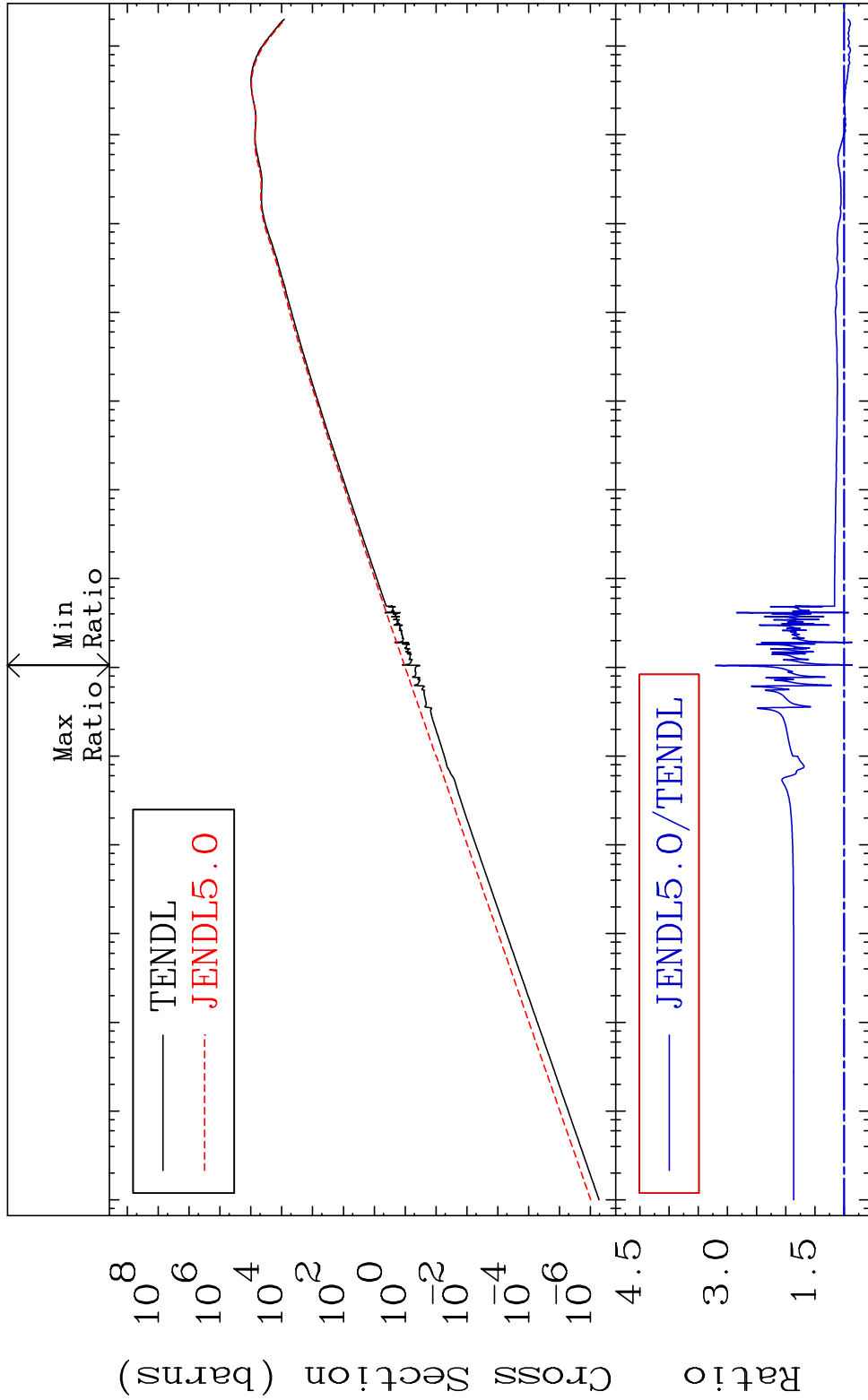




MAT 5316

Kerma elastic
Cross Section

53-I -124
-13.71 To 220.2 %



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

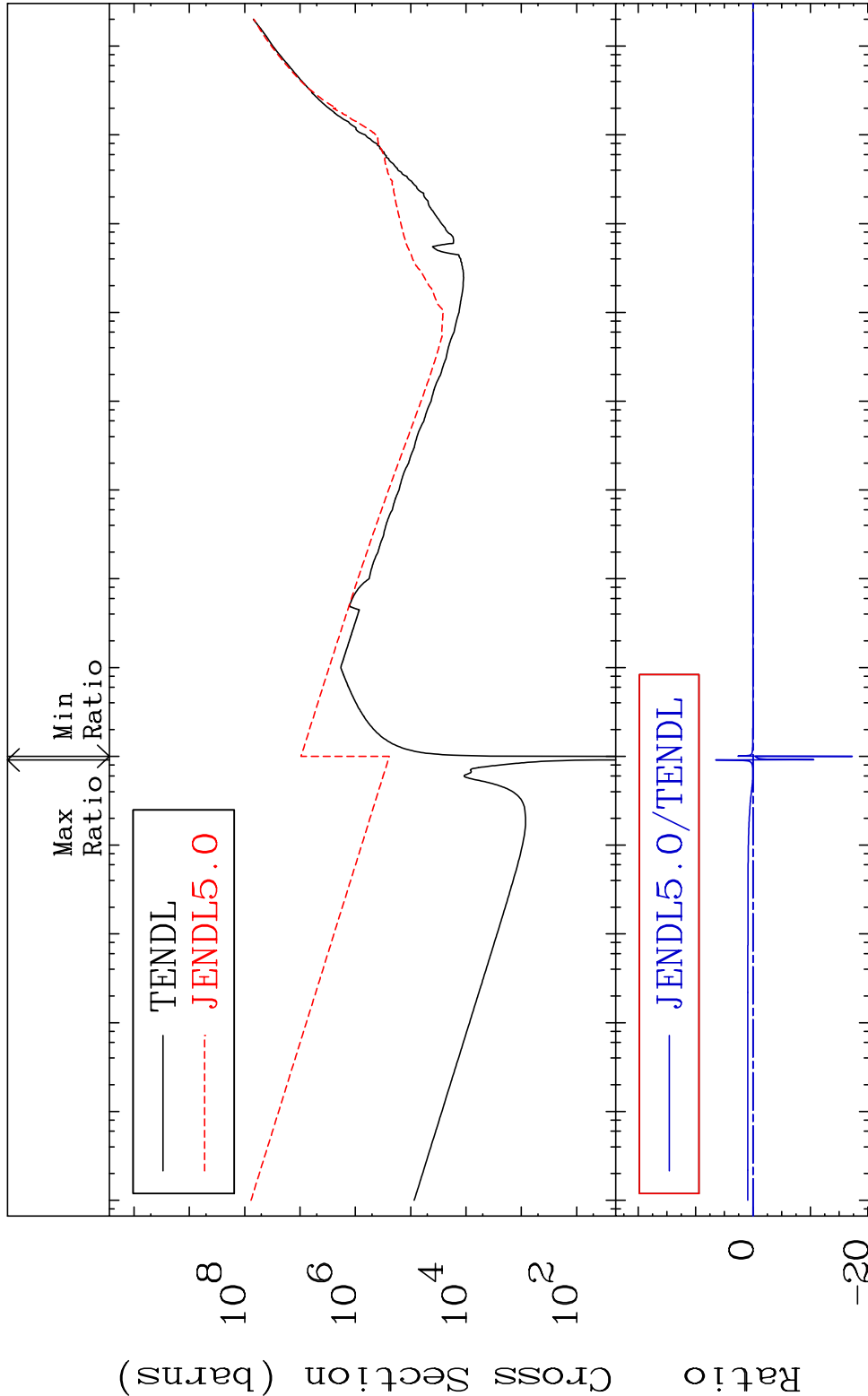
58

Incident Energy (eV)

53-I -124

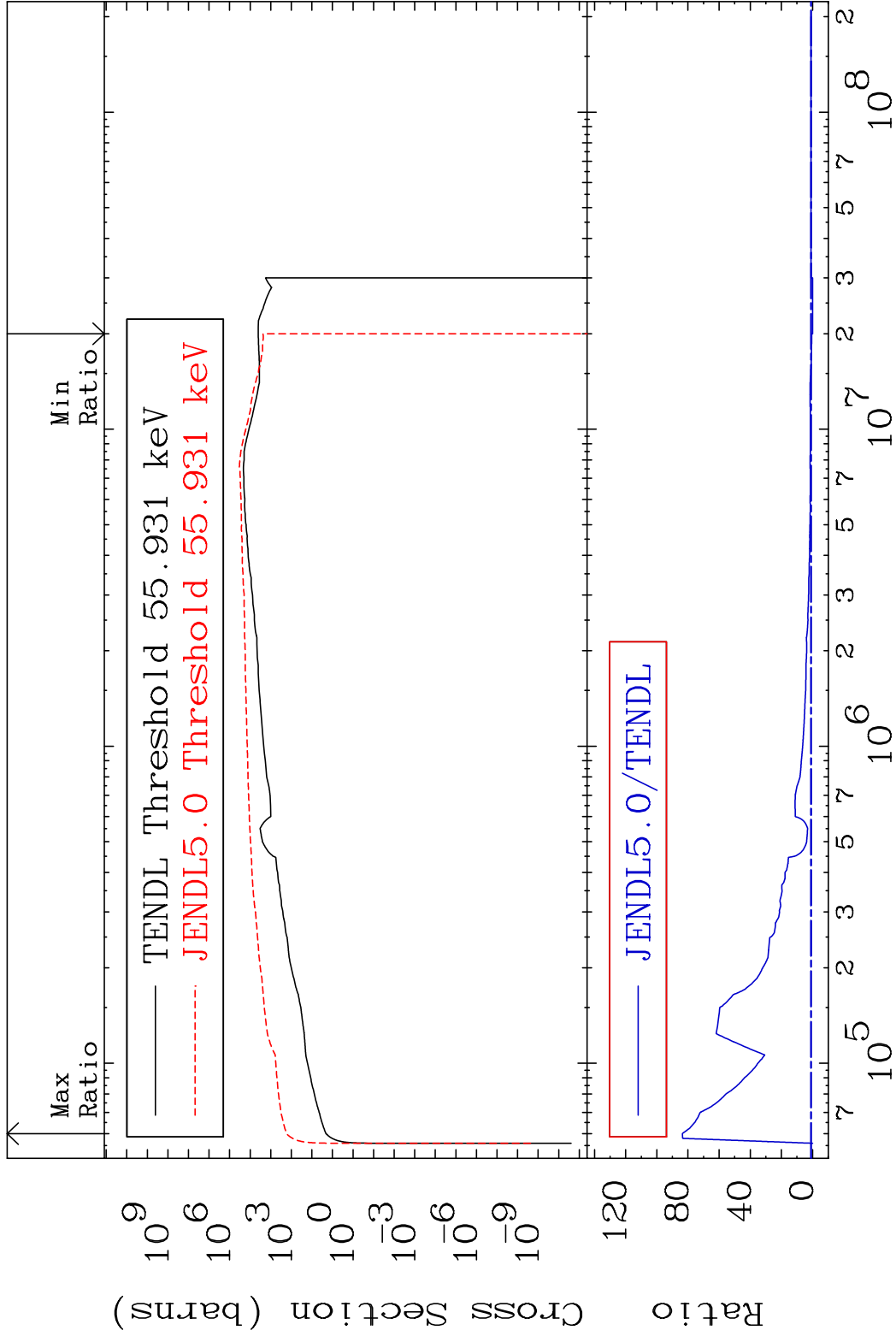
MAT 5316 Kerma non-elastic (all but mt2) 53-I -124

Cross Section -9999. To 9999. %



59 Incident Energy (eV) 53-I -124

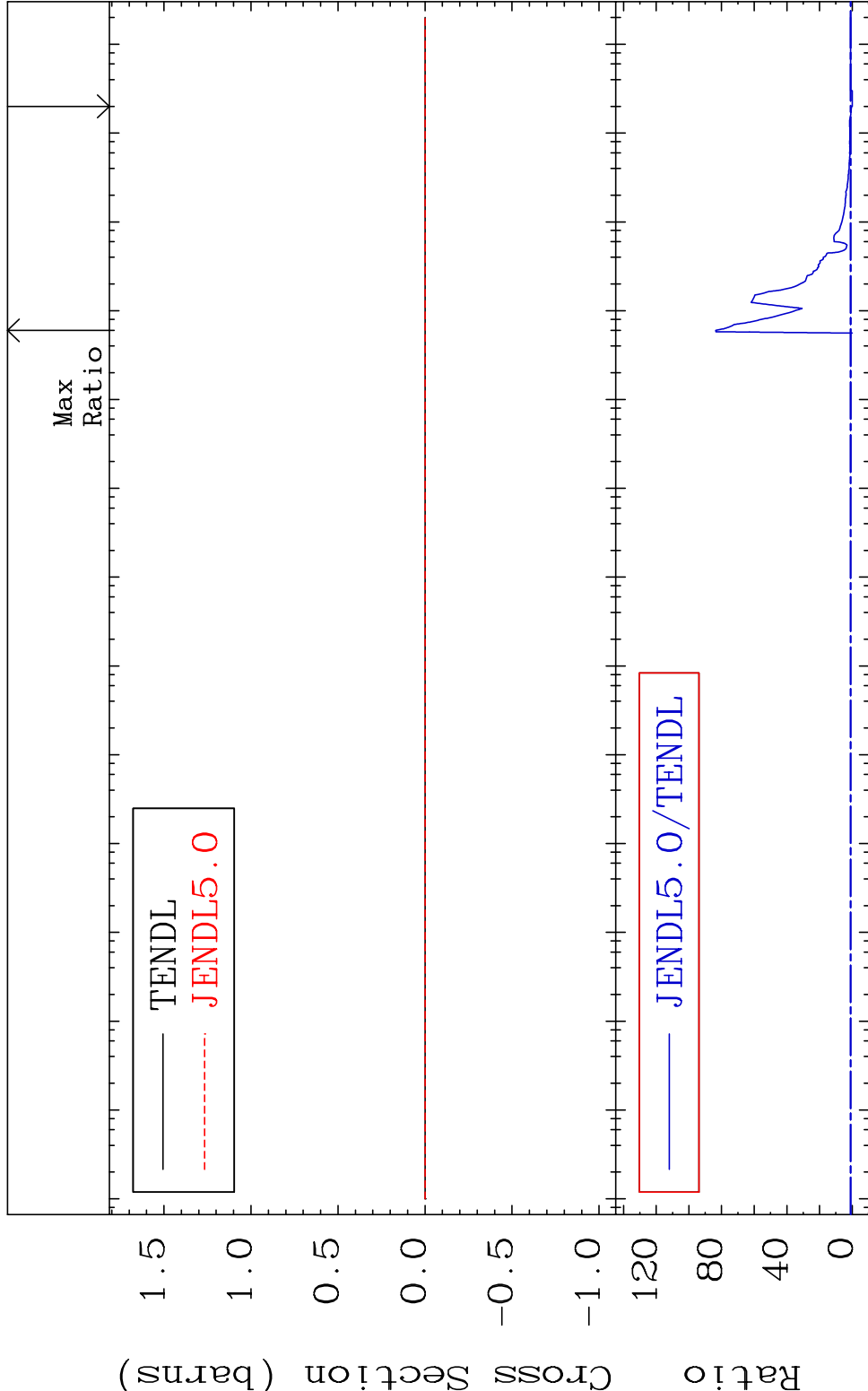
MAT 5316 Kerma inelastic (mt51-91) 53-I -124
Cross Section -100.0 To 8260. %



60 Incident Energy (eV) 53-I -124

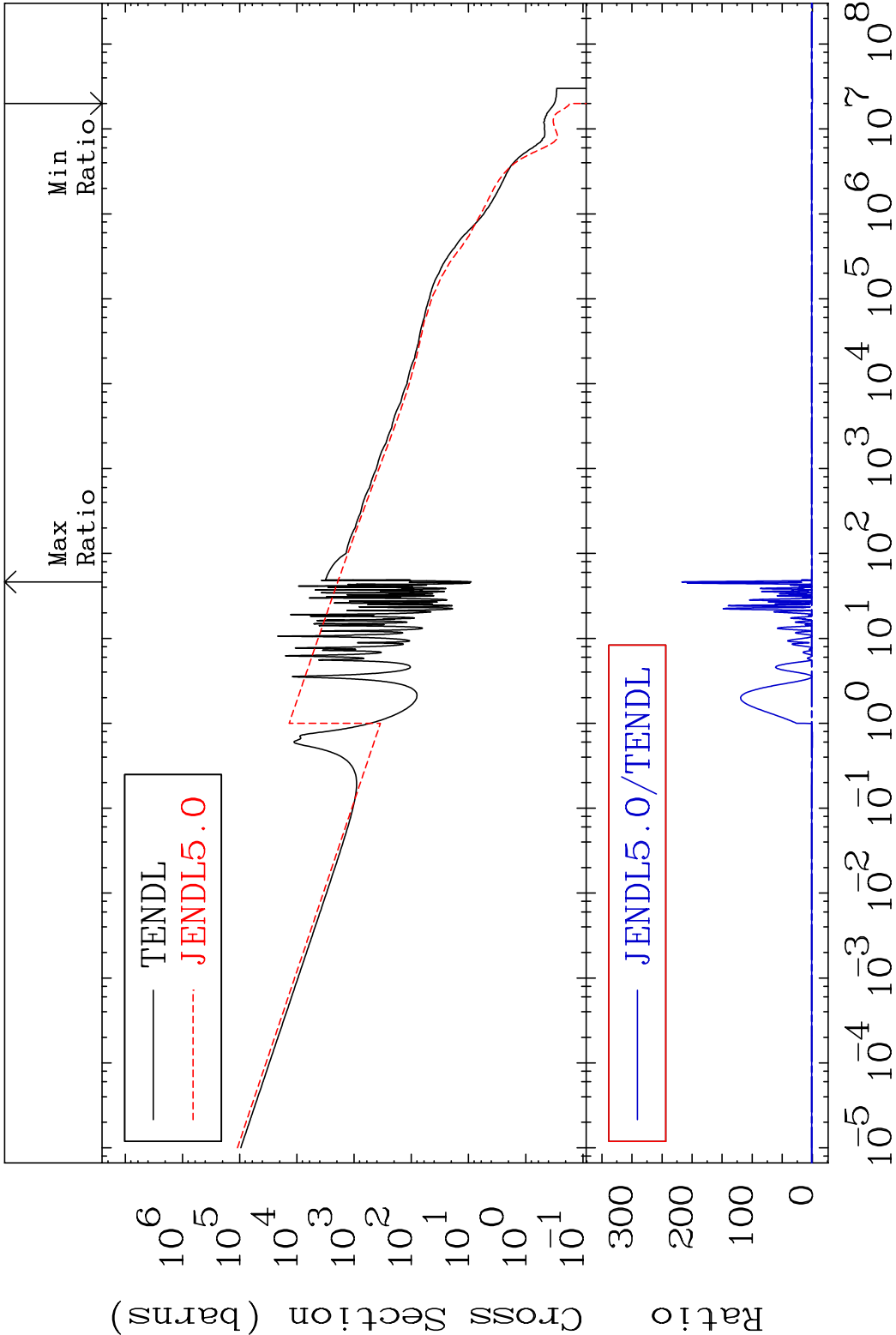
MAT 5316Kerma fission (mt18 or mt19-20-21-38)53-I -124

Cross Section -100.0 To 8260. %



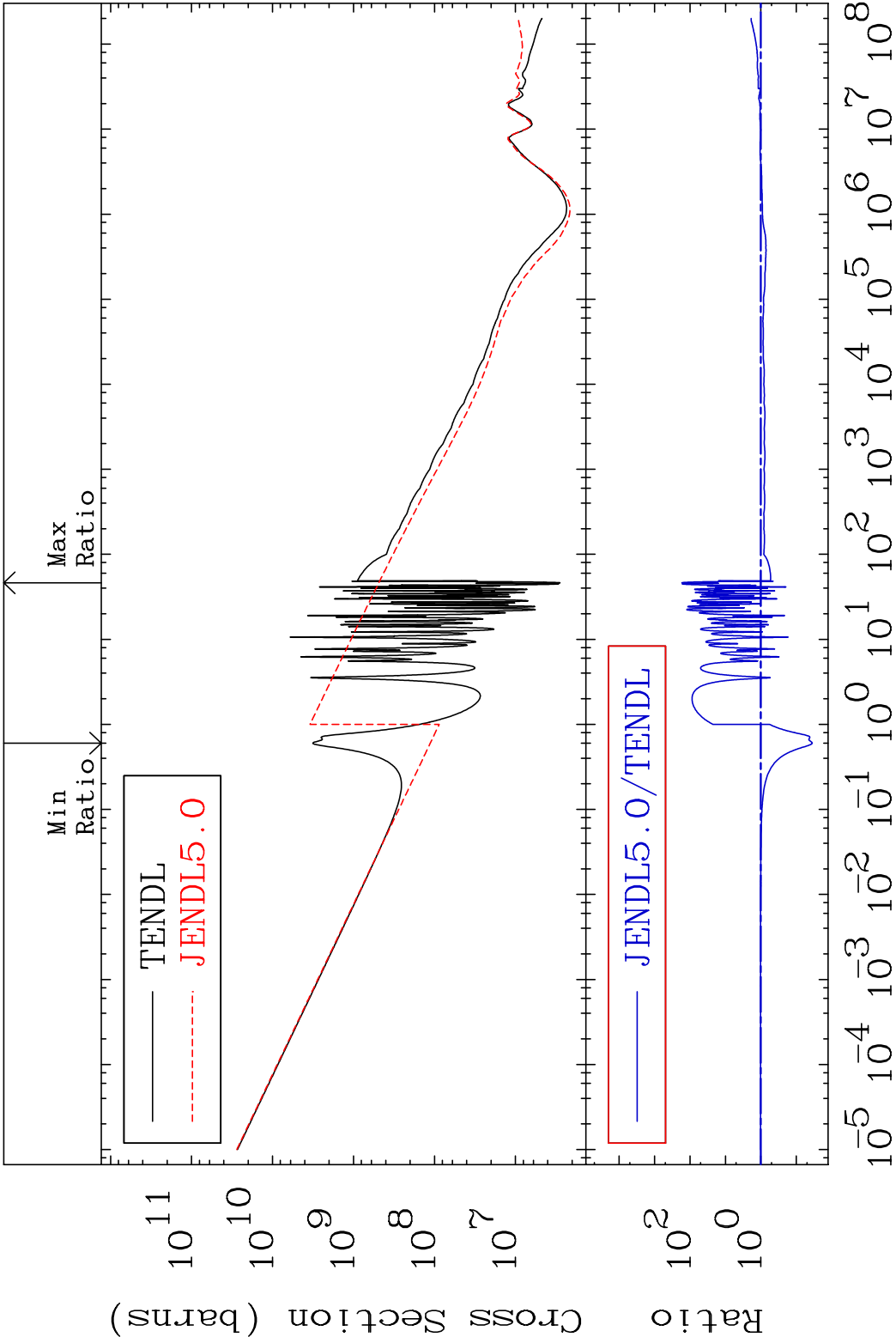
61 Incident Energy (eV) 53-I -124

MAT 5316 Kerma capture (mt102) 53-I -124
Cross Section -100.0 To 9999. %



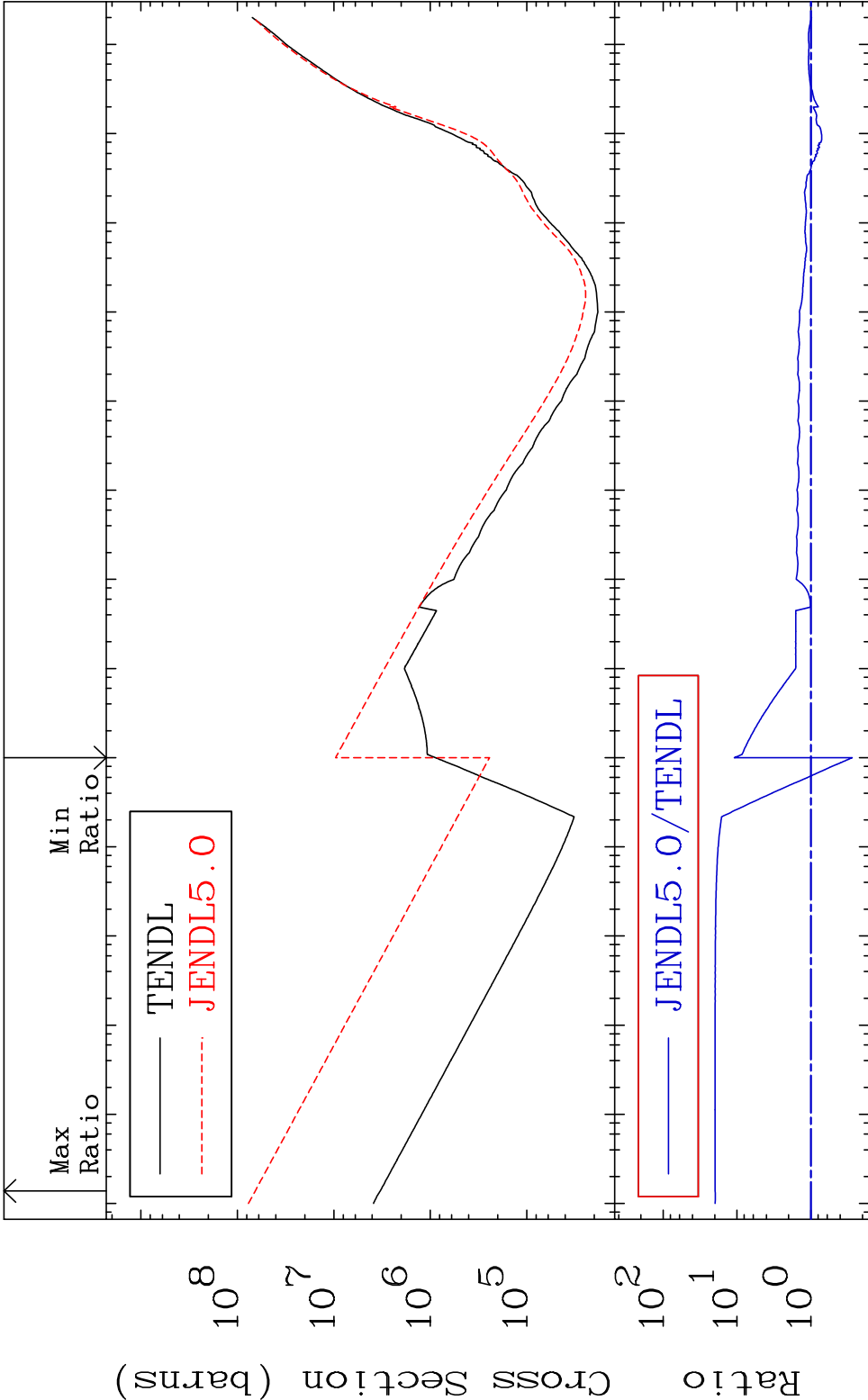
62 Incident Energy (eV) 53-I -124

MAT 5316 Total photon (eV-barns) 53-I -124
Cross Section -96.46 To 9999. %



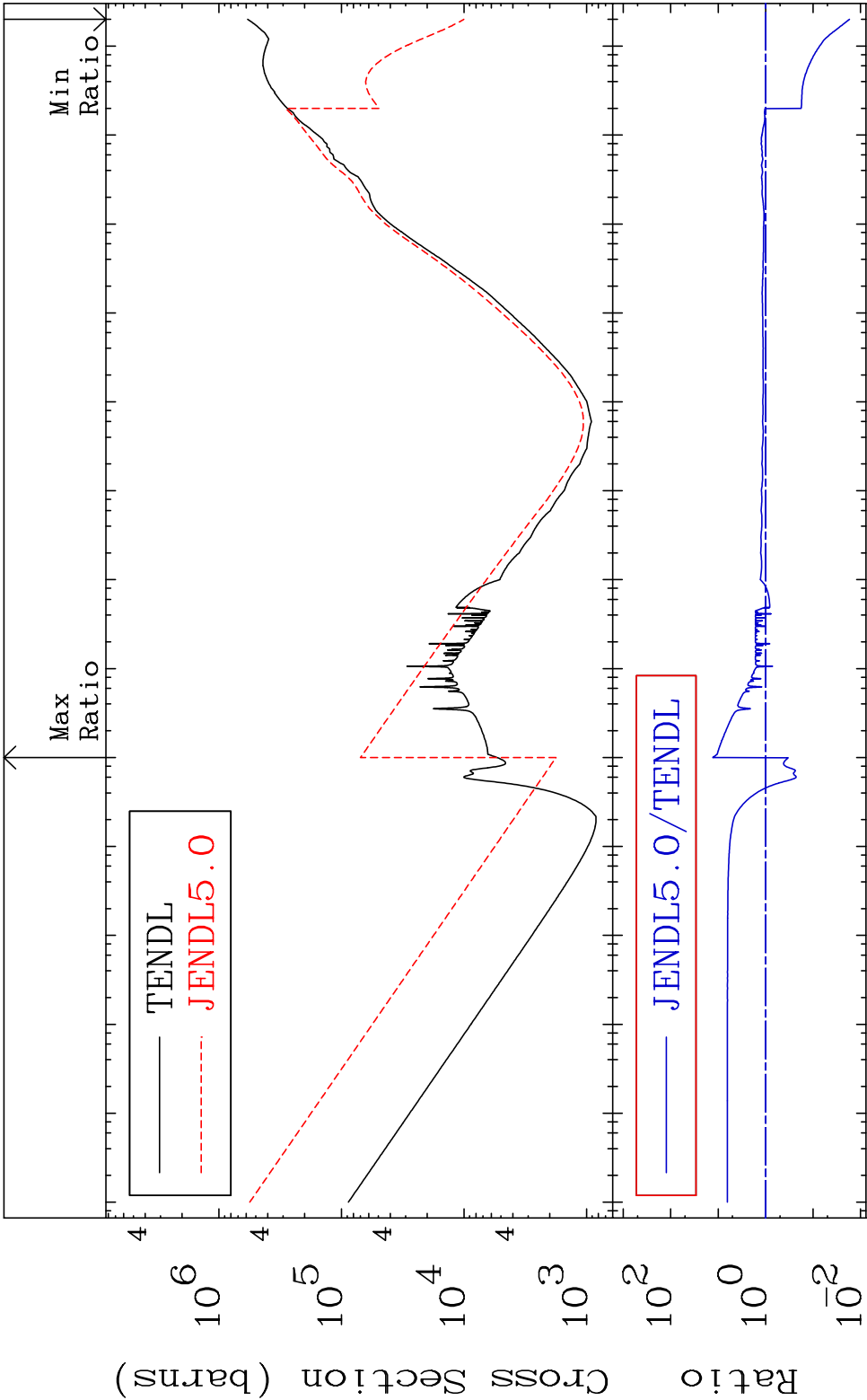
63 Incident Energy (eV) 53-I -124

MAT 5316 Total kinematic kerma (high limit) 53-I -124
Cross Section -72.42 To 1883. %



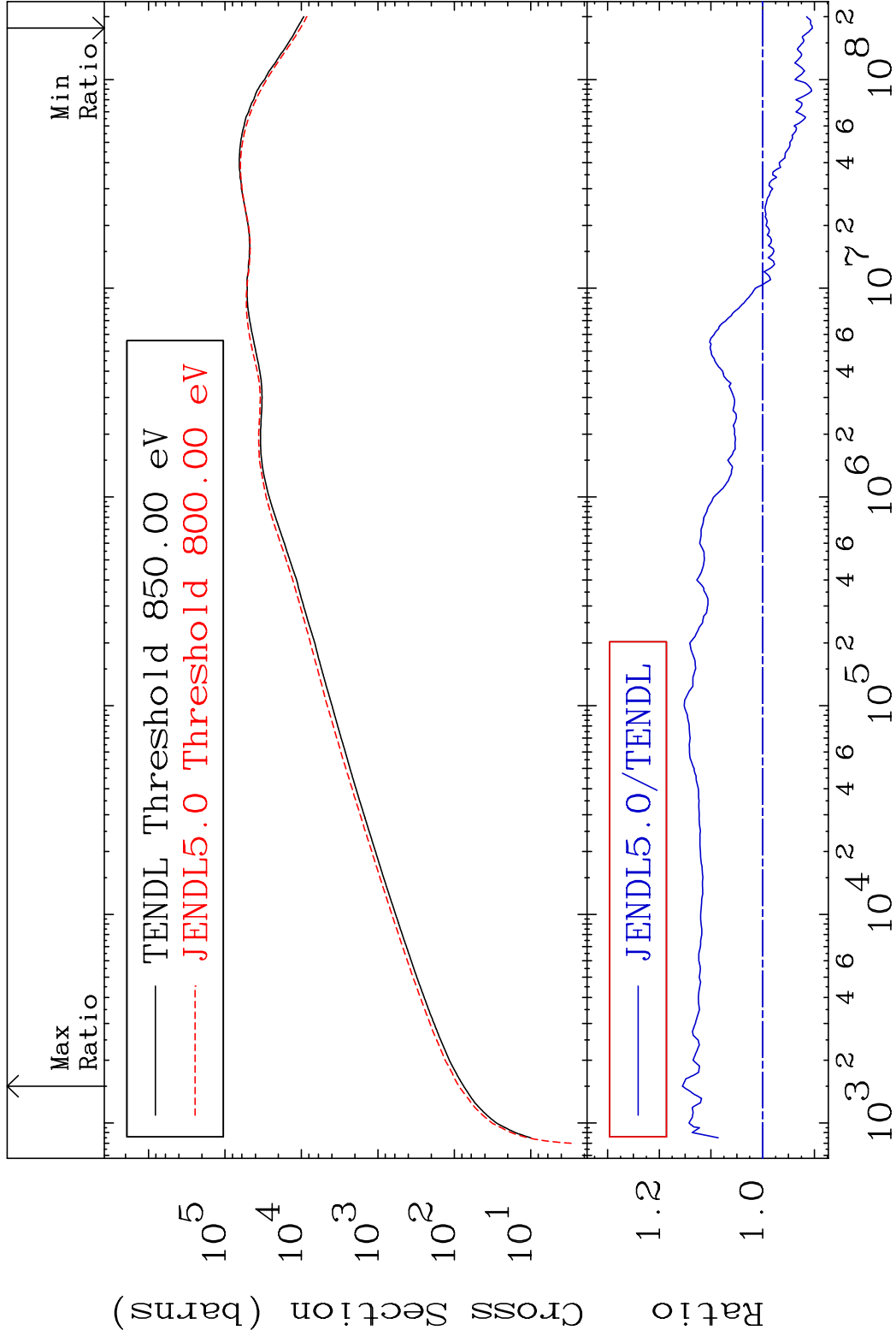
64 Incident Energy (eV) 53-I -124

MAT 5316 Dpa total (eV-barns) 53-I -124
 Cross Section -98.28 To 1203. %

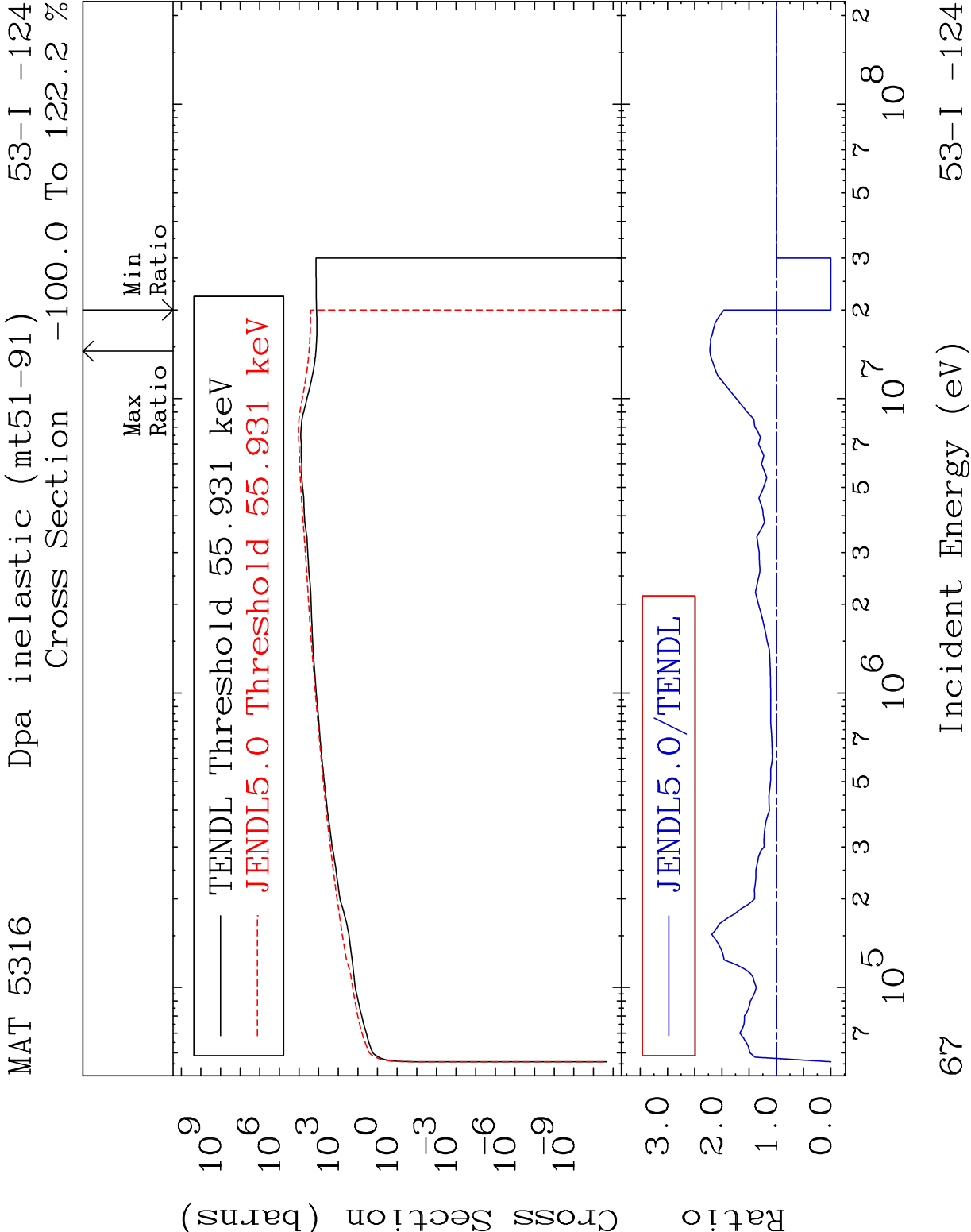


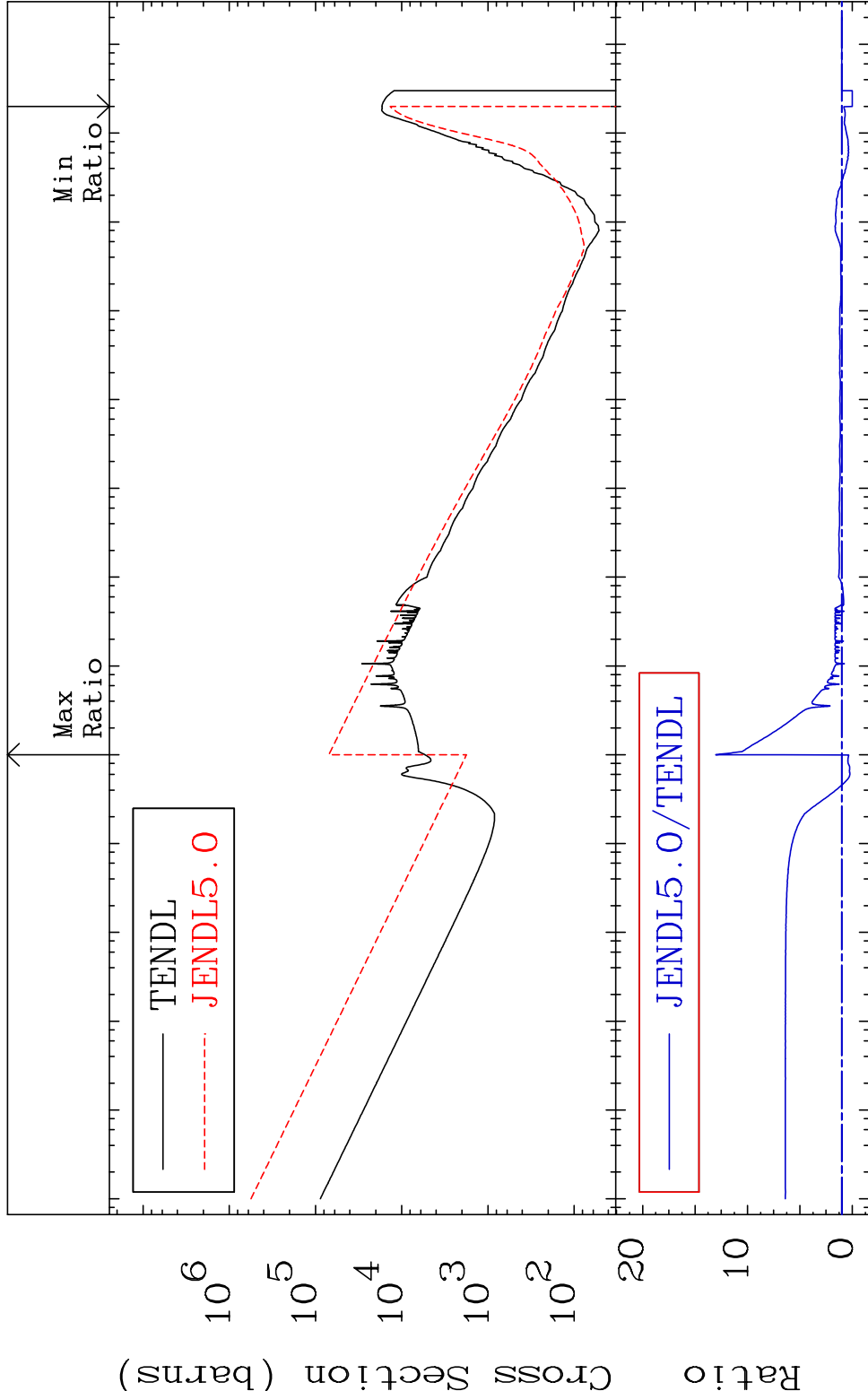
65 Incident Energy (eV) 53-I -124

MAT 5316 Dpa elastic (mt2) 53-I -124
Cross Section -9.645 To 15.53 %



66 Incident Energy (eV) 53-I -124





Radionuclide Production Cross Section (mb) to 9999. %

