

Program Complot
(Version 2018-1)

by

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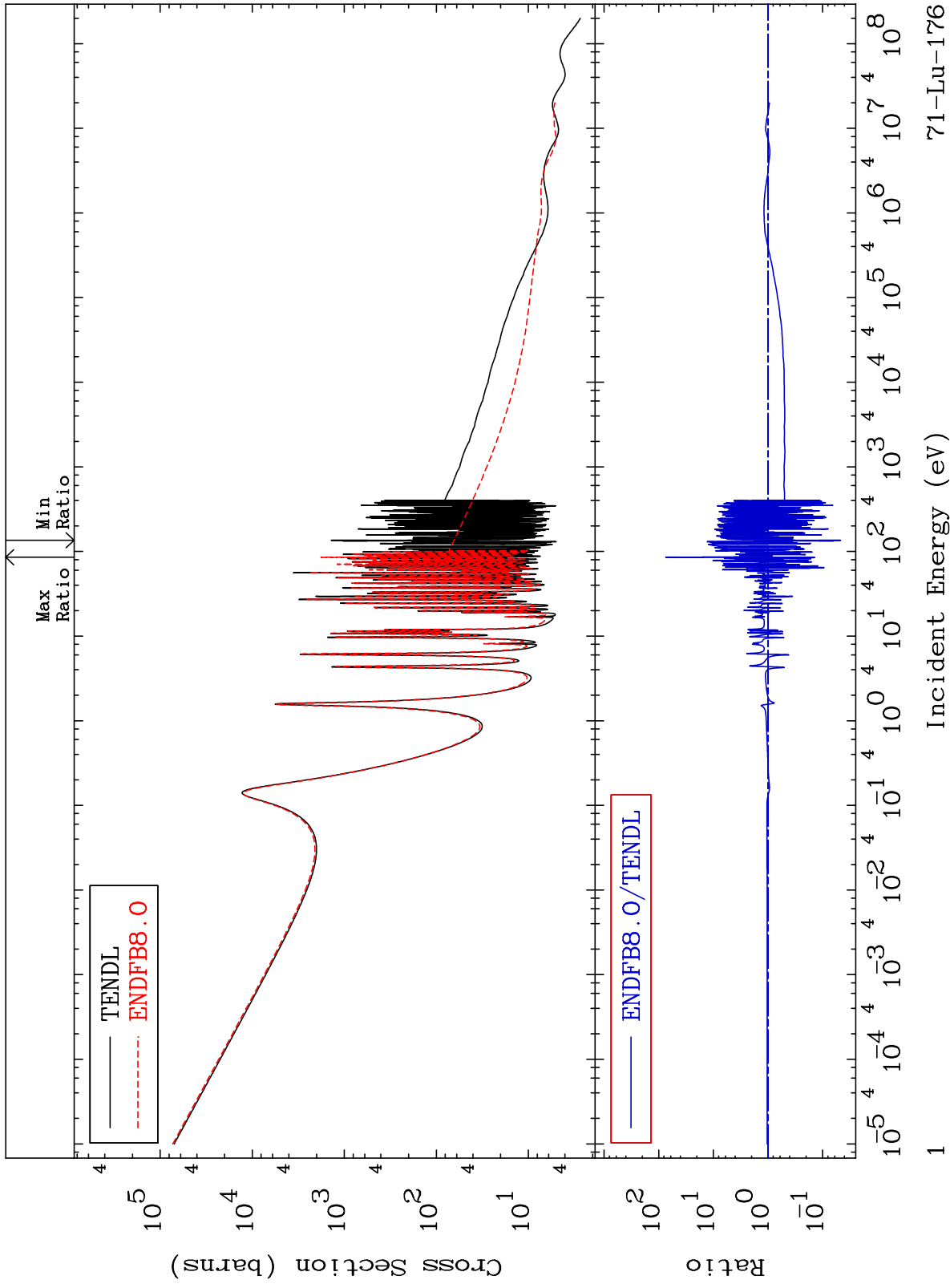
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7128

Total
Cross Section

71-Lu-176
-95.36 To 7280. %



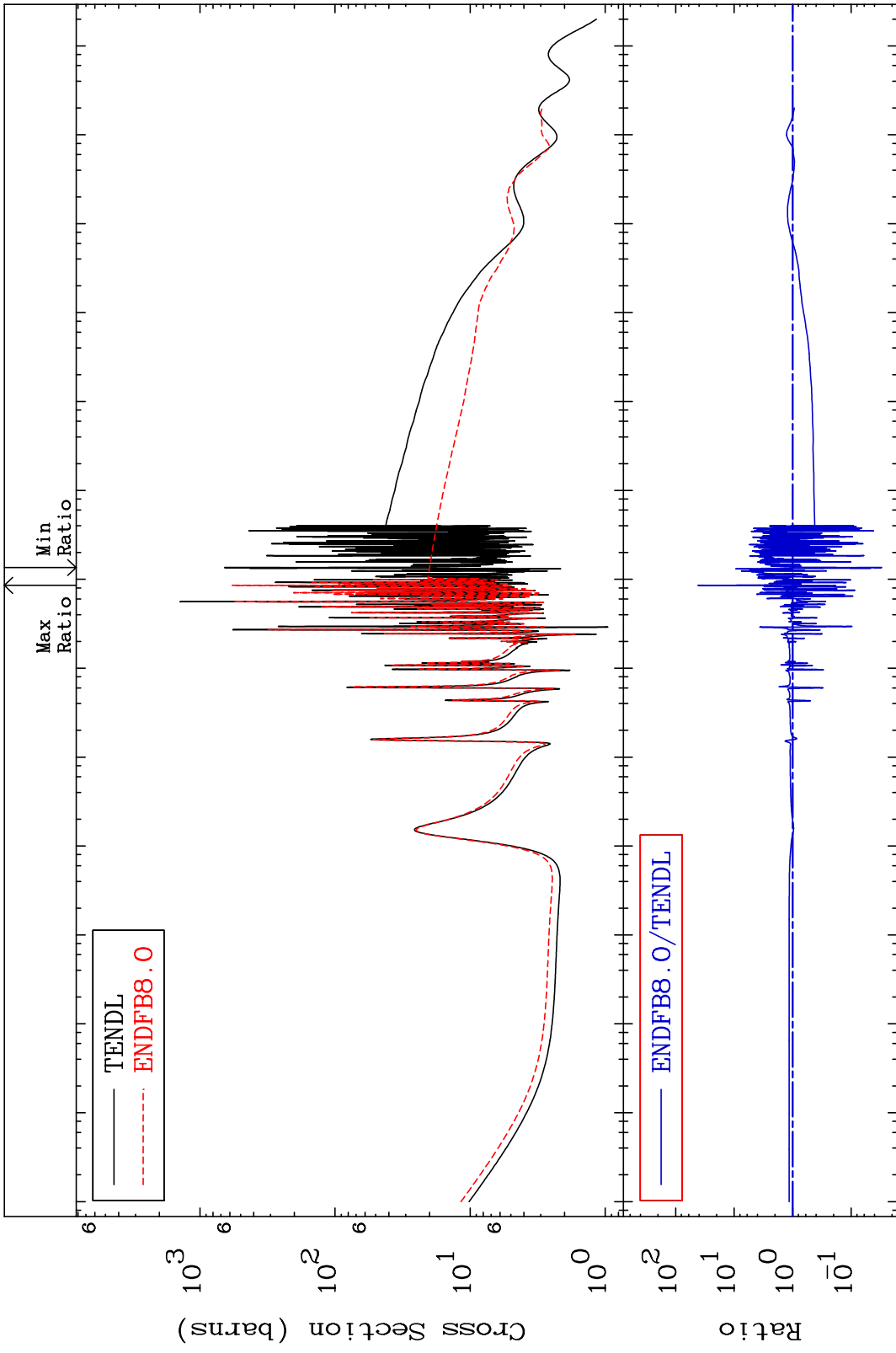
MAT 7128

Elastic

71-Lu-176

Cross Section

-96.96 To 4089. %



Incident Energy (eV)

71-Lu-176

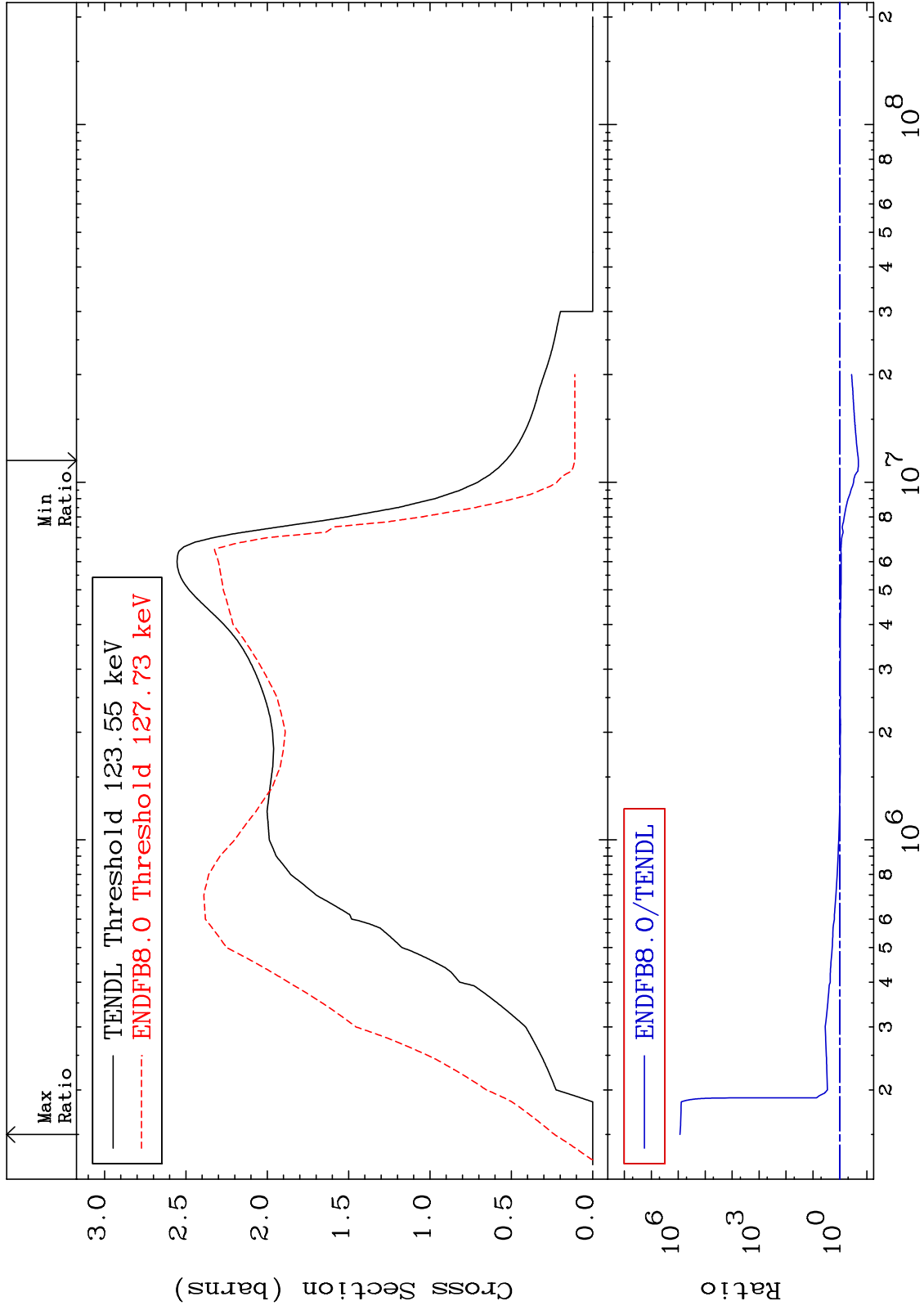
MAT 7128

Inelastic

71-Lu-176

Cross Section

-79.41 To 9999. %



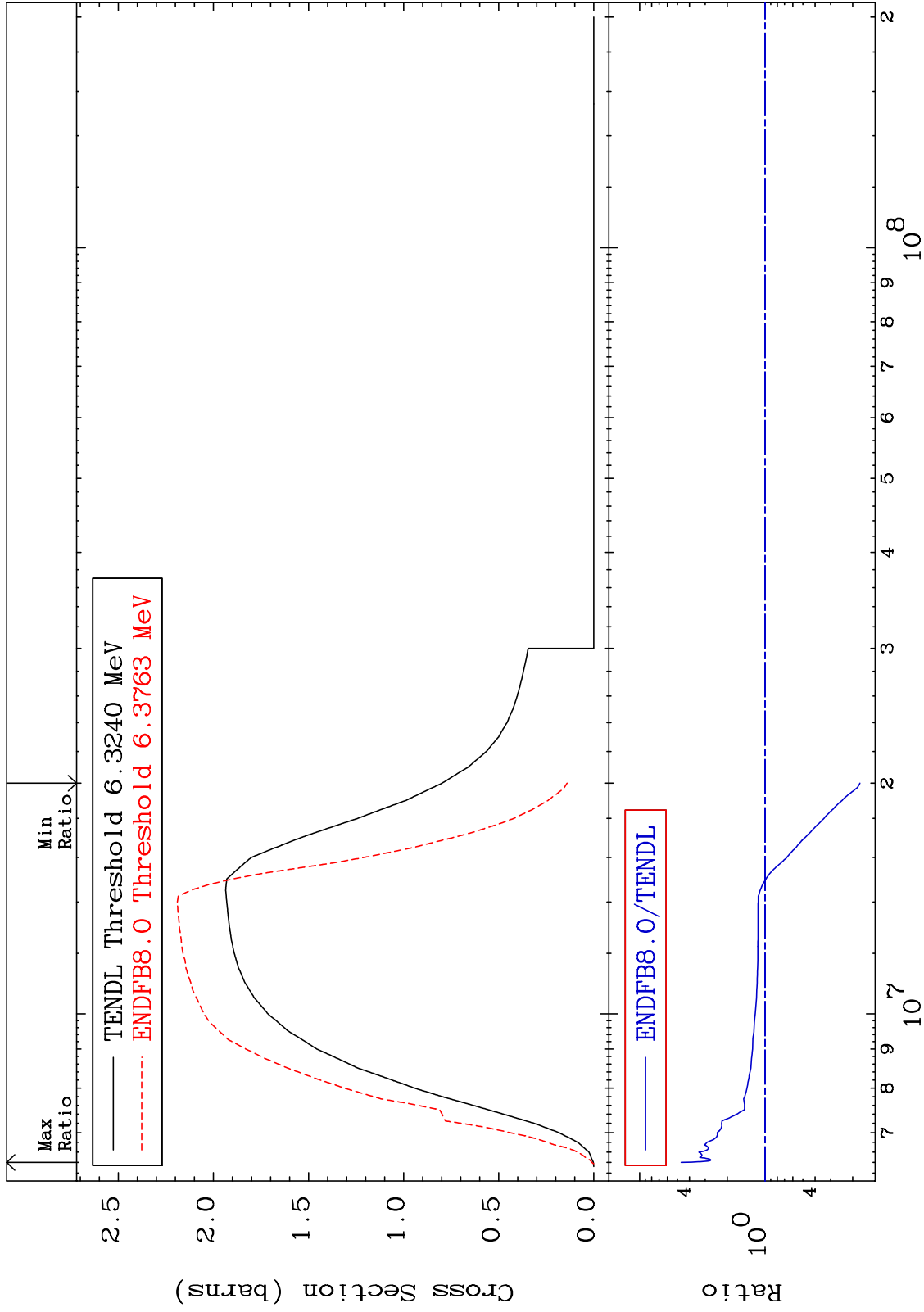
MAT 7128

(n,2n)

71-Lu-176

Cross Section

-82.47 To 365.7 %



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Incident Energy (eV)

71-Lu-176

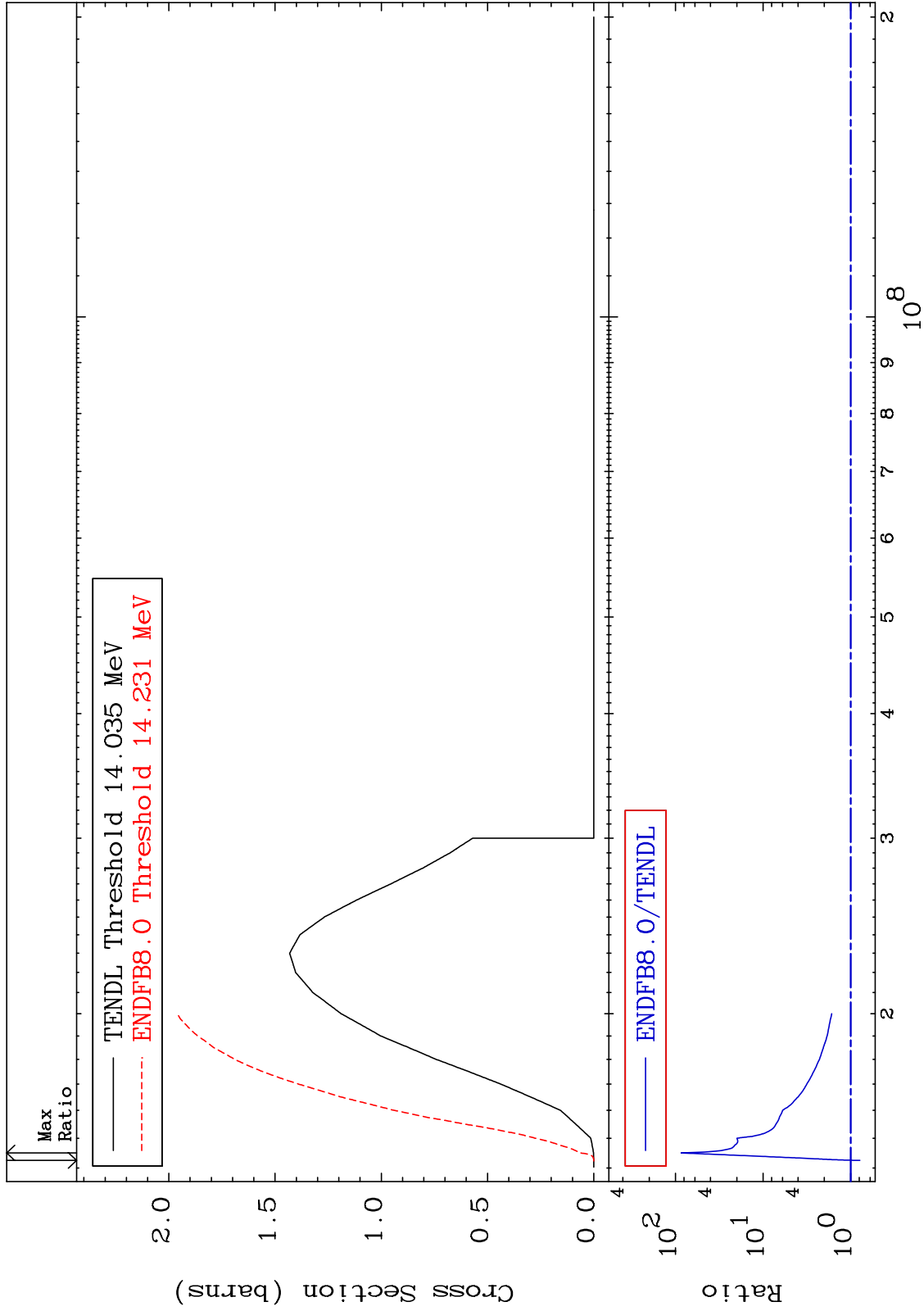
MAT 7128

(n, 3n)

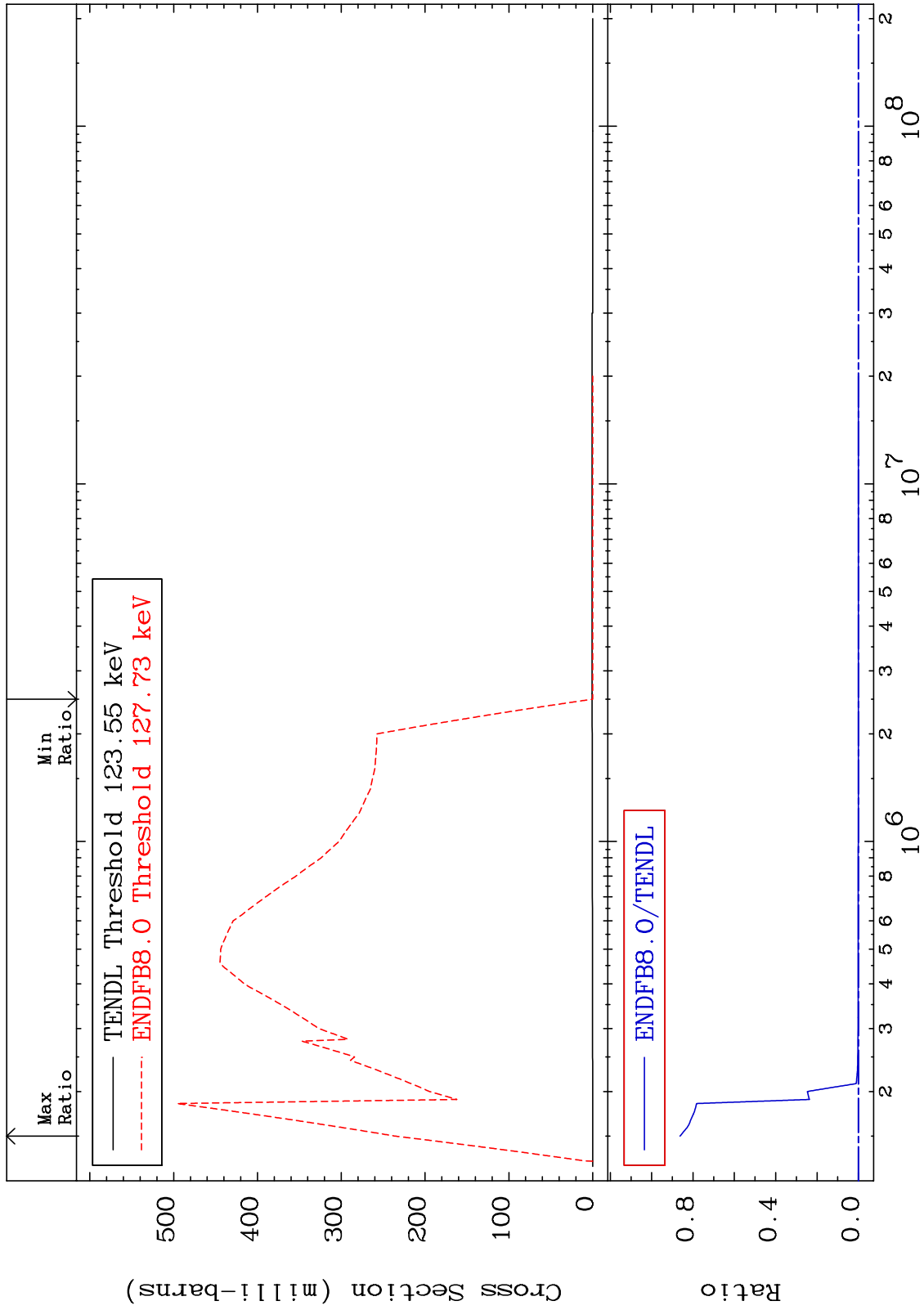
⁷¹-Lu-176

Cross Section

-21.53 To 8513. %



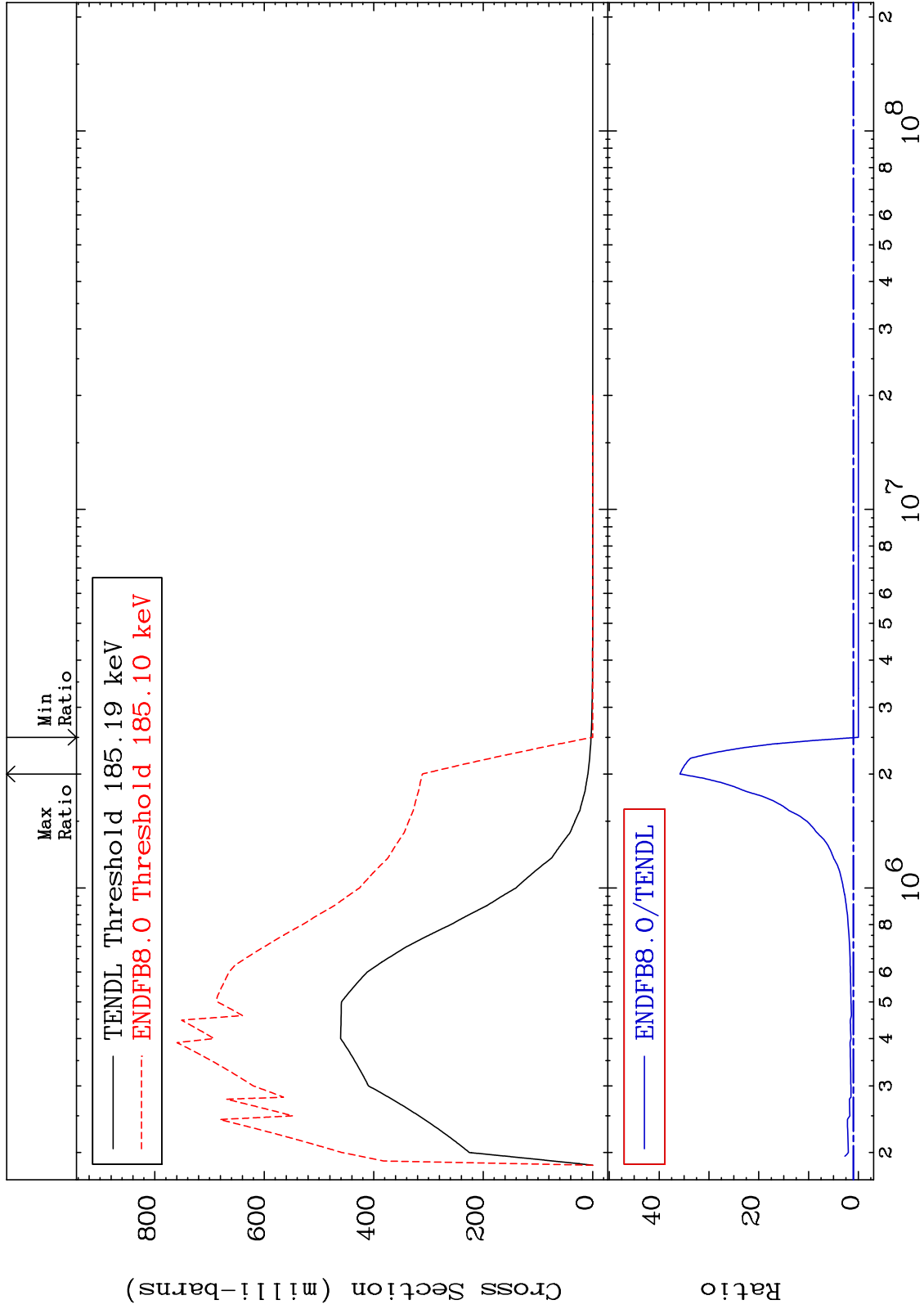
MAT 7128 MT= 51 (n,n') Level Cross Section 71-Lu-176
 -100.0 To 9999. %



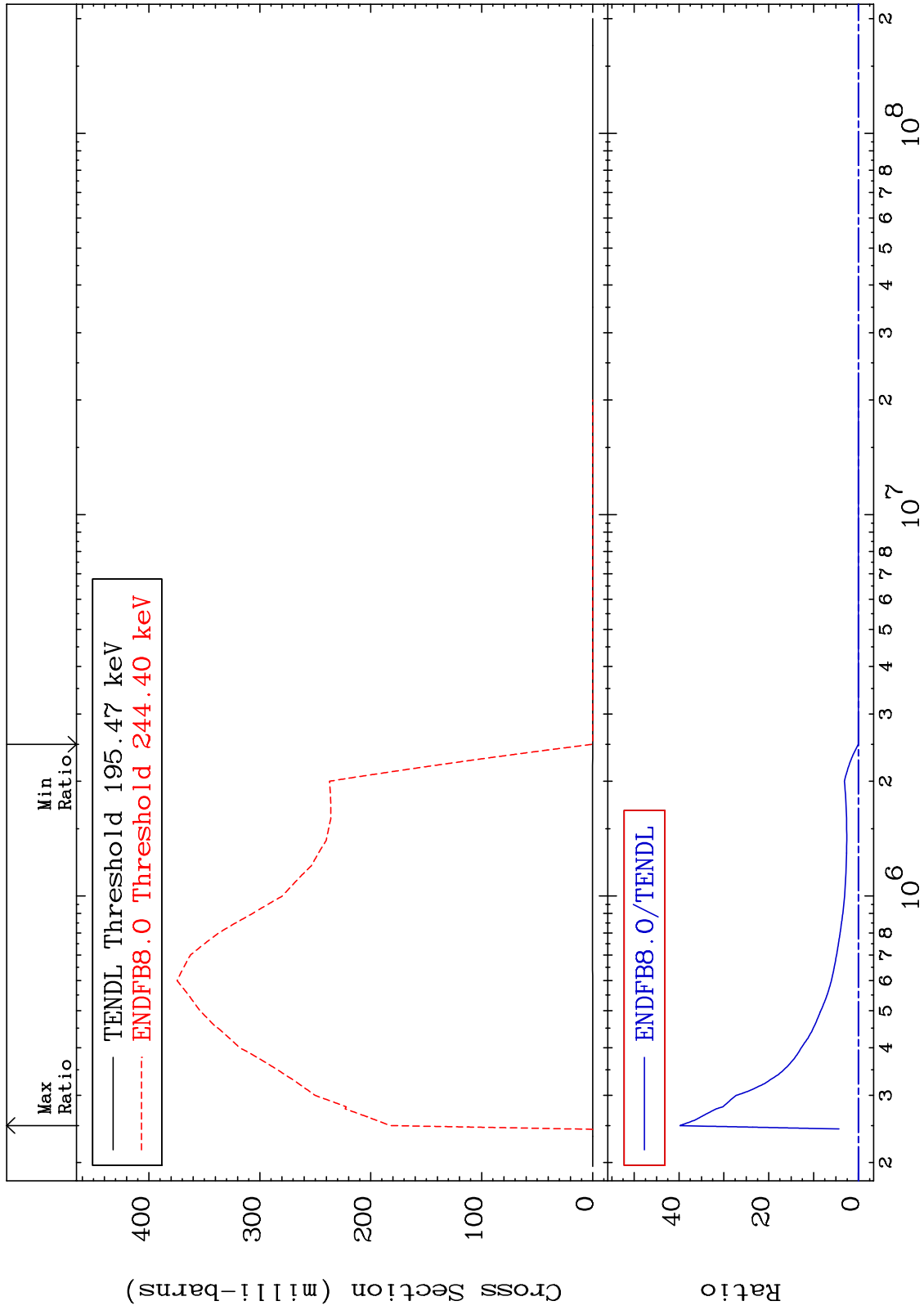
MAT 7128

MT= 52 (n,n') Level
Cross Section

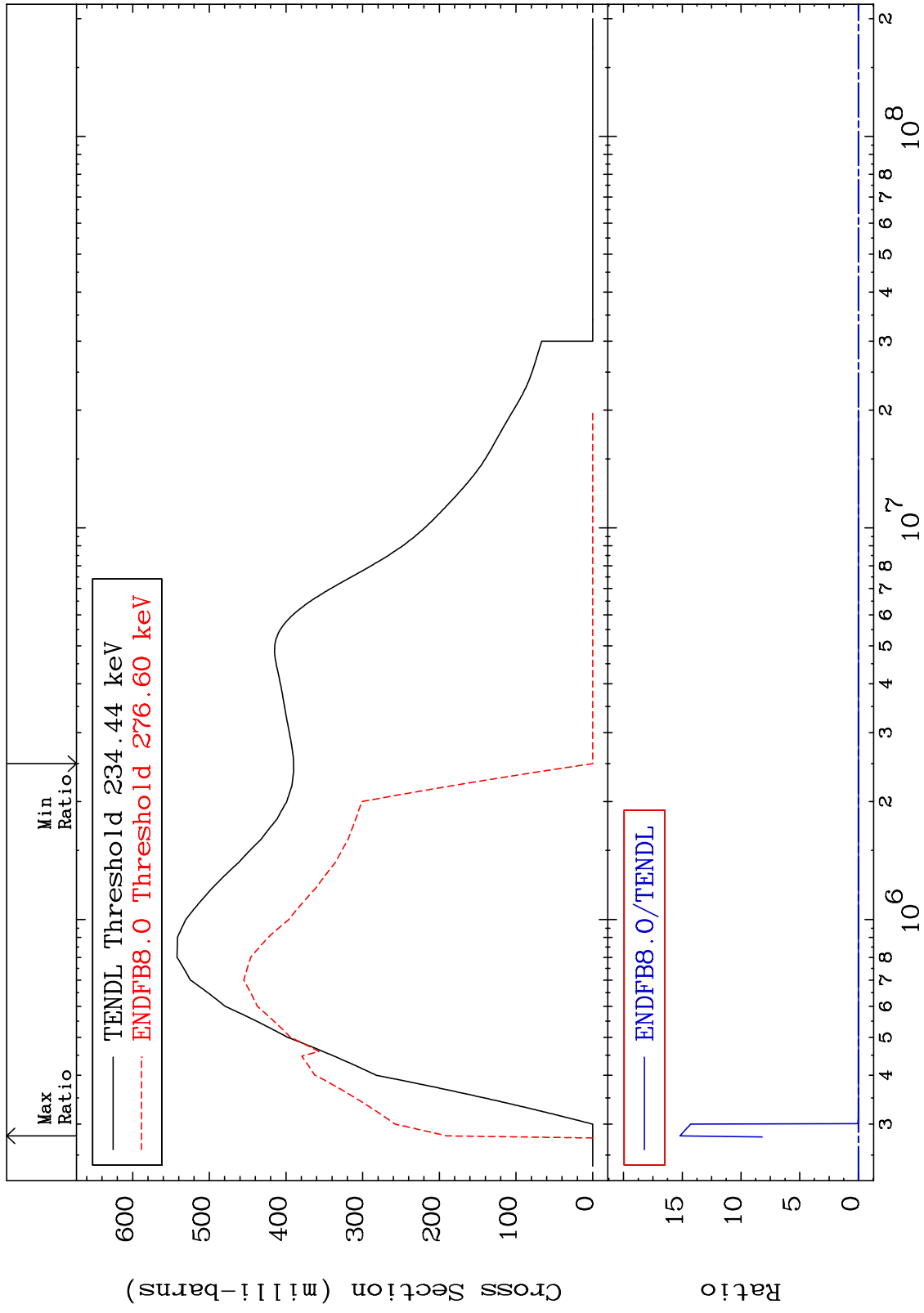
⁷¹-Lu-176
-100.0 To 3481. %



MAT 7128 MT= 53 (n,n') Level Cross Section 71-Lu-176
 -100.0 To 9999. %



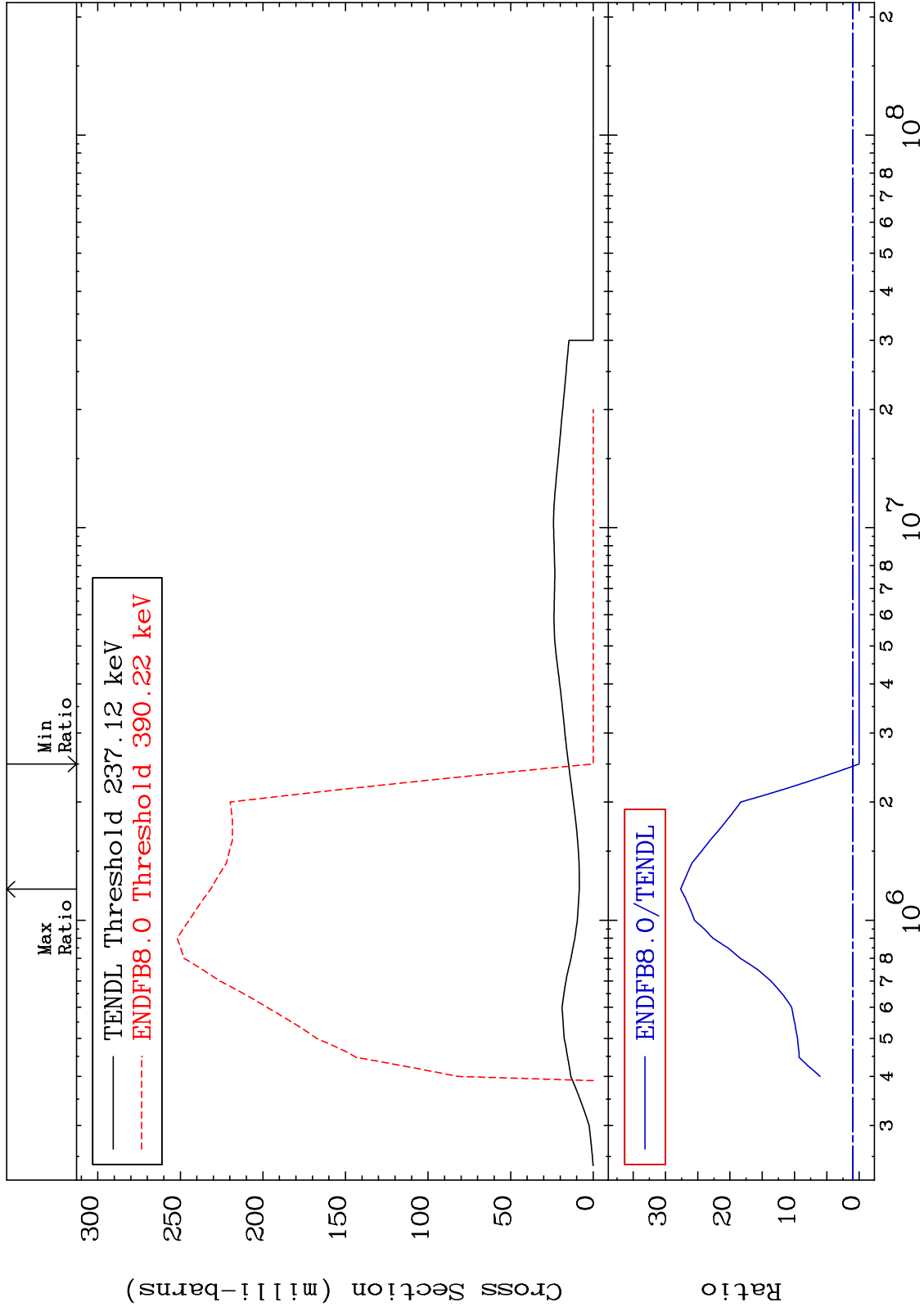
MAT 7128 MT= 54 (n,n') Level Cross Section 71-Lu-176 -100.0 To 9999. %



MAT 7128

MT= 55 (n,n') Level
Cross Section

71-Lu-176
-100.0 To 2664. %

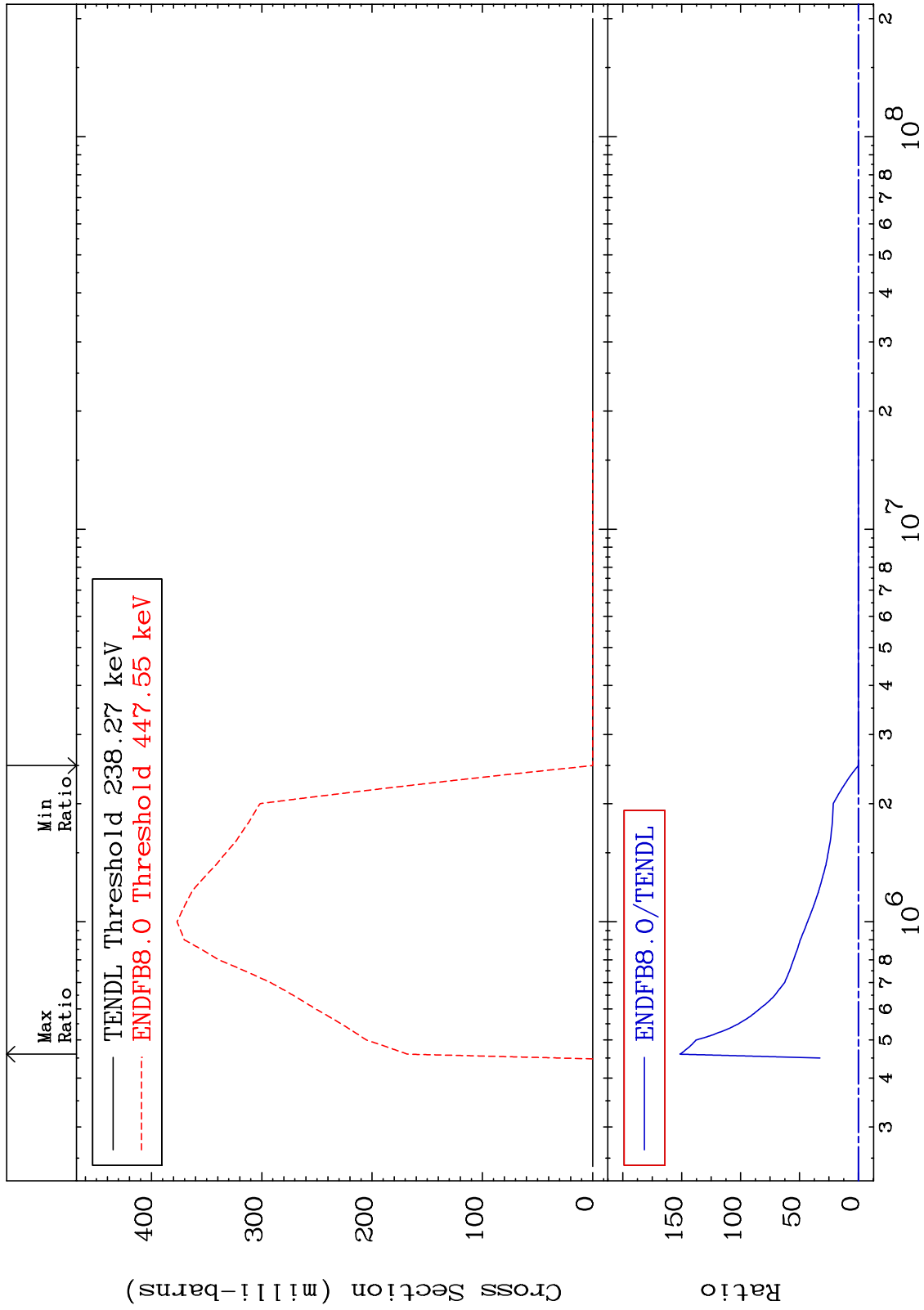


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Incident Energy (eV)

71-Lu-176

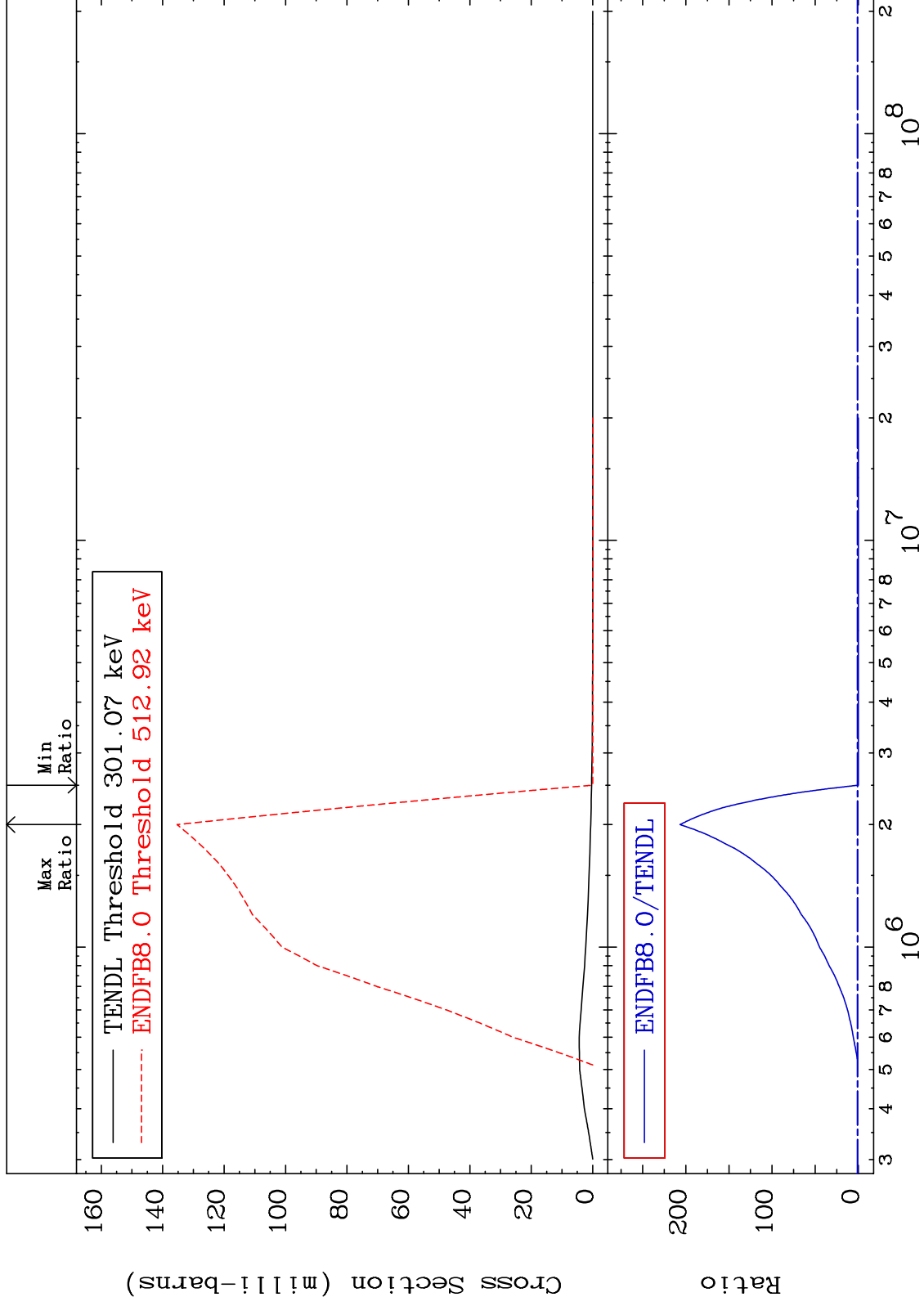
MAT 7128 MT= 56 (n,n') Level Cross Section 71-Lu-176 -100.0 To 9999. %



MAT 7128

MT= 57 (n,n') Level
Cross Section

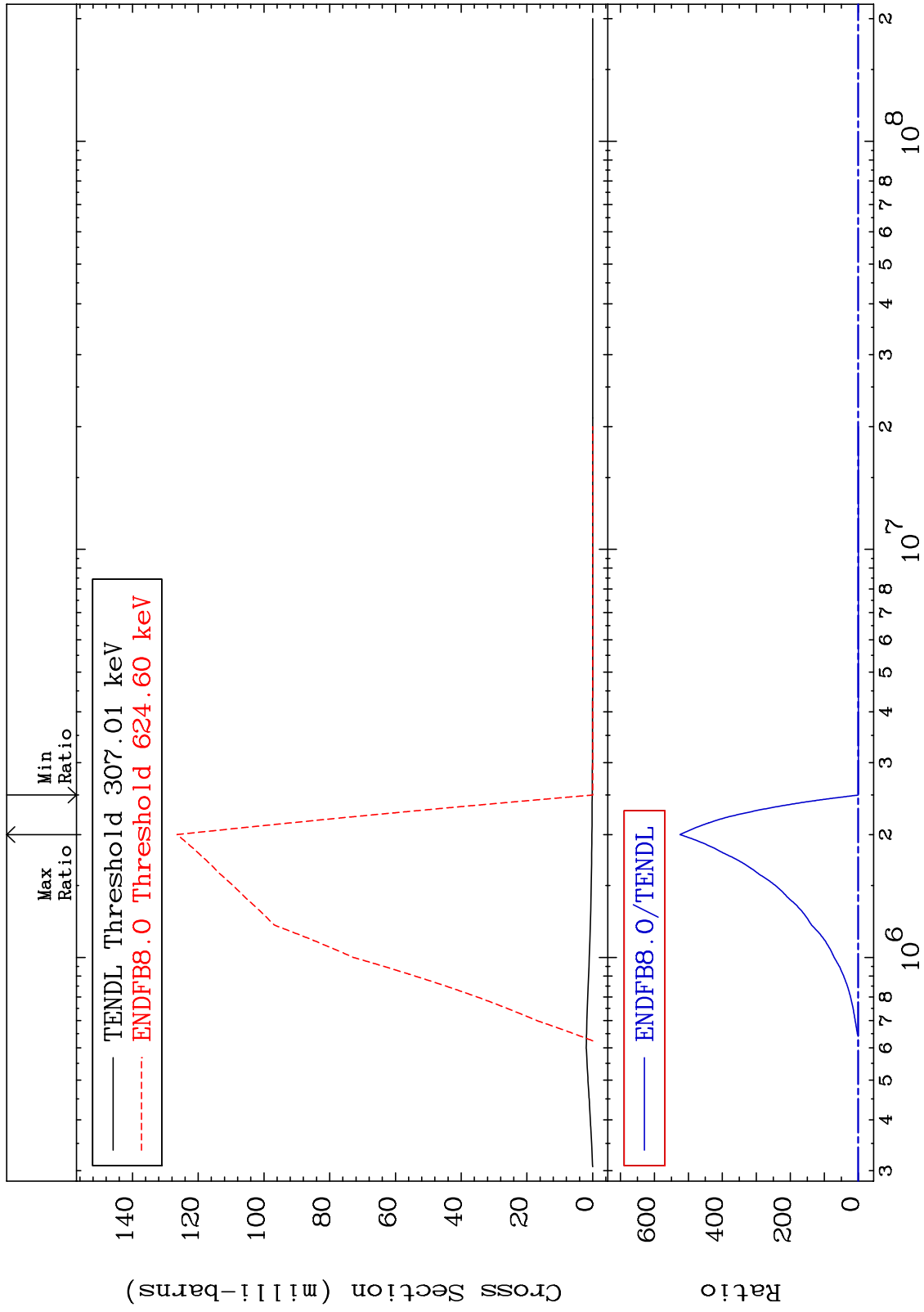
71-Lu-176
-100.0 To 9999. %



MAT 7128

MT= 58 (n,n') Level
Cross Section

71-Lu-176
-100.0 To 9999. %



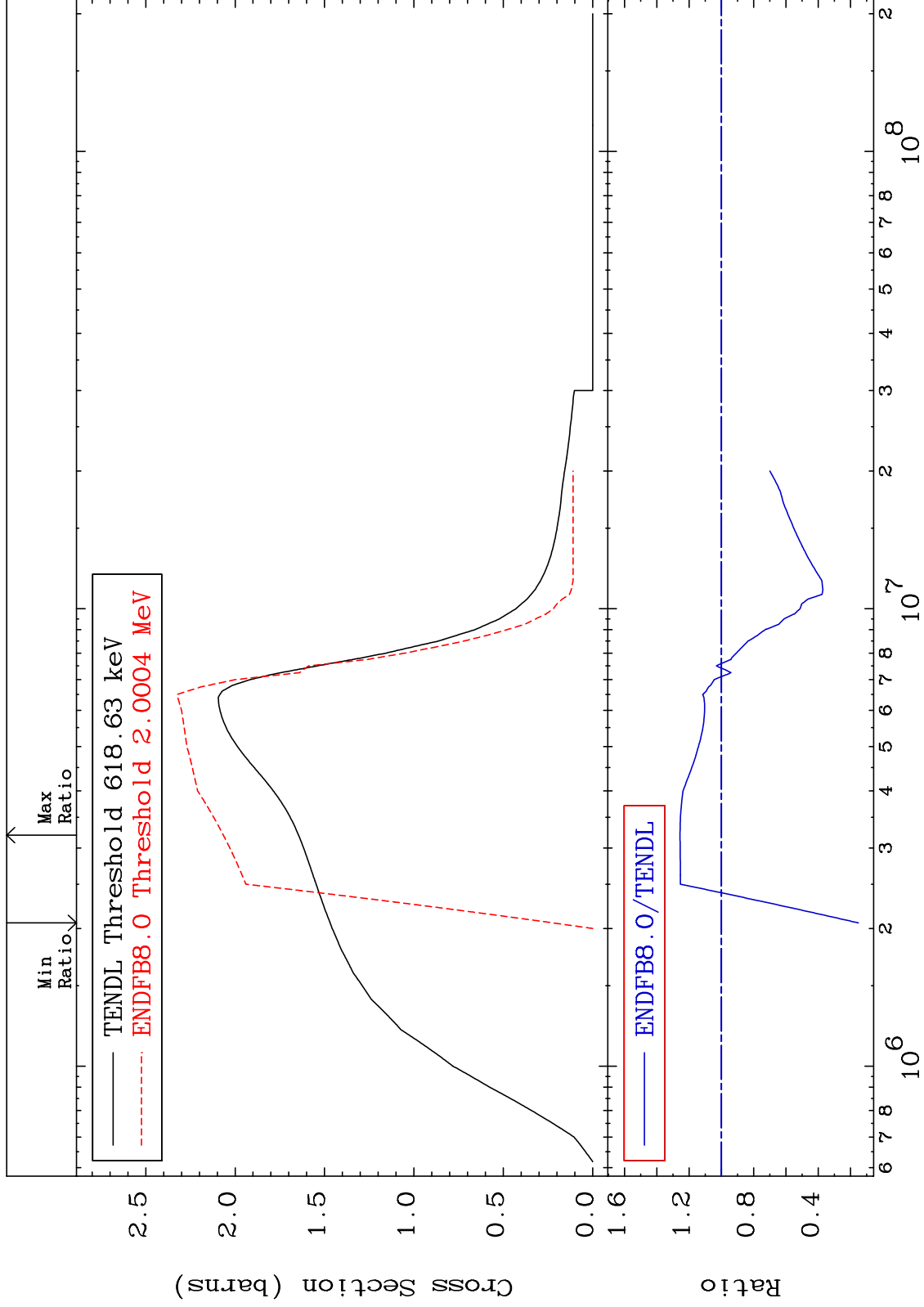
13

71-Lu-176

MAT 7128

(n, n') Continuum
Cross Section

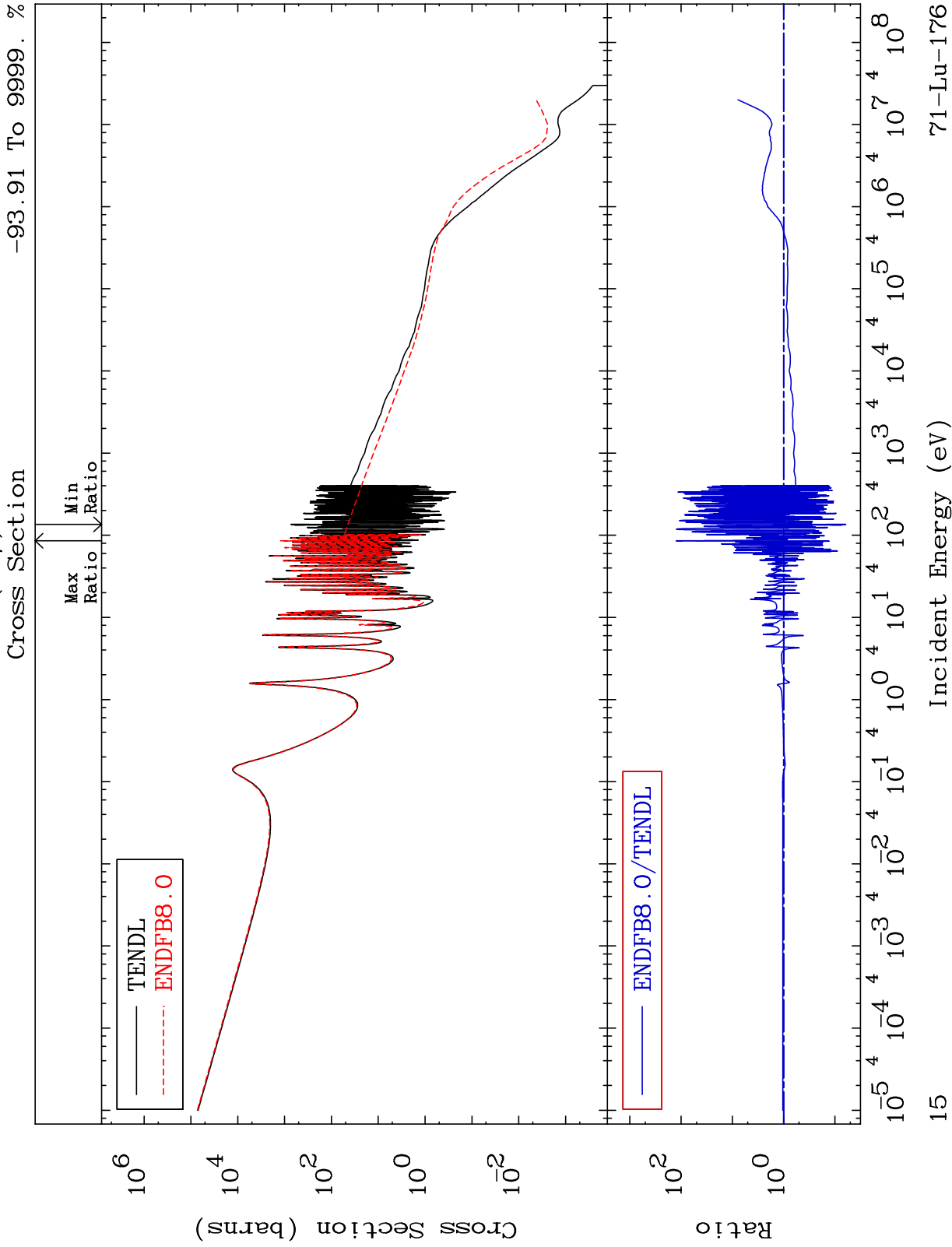
71-Lu-176
-84.89 To 25.59 %



MAT 7128

(n, γ)

71-Lu-176
-93.91 To 9999. %



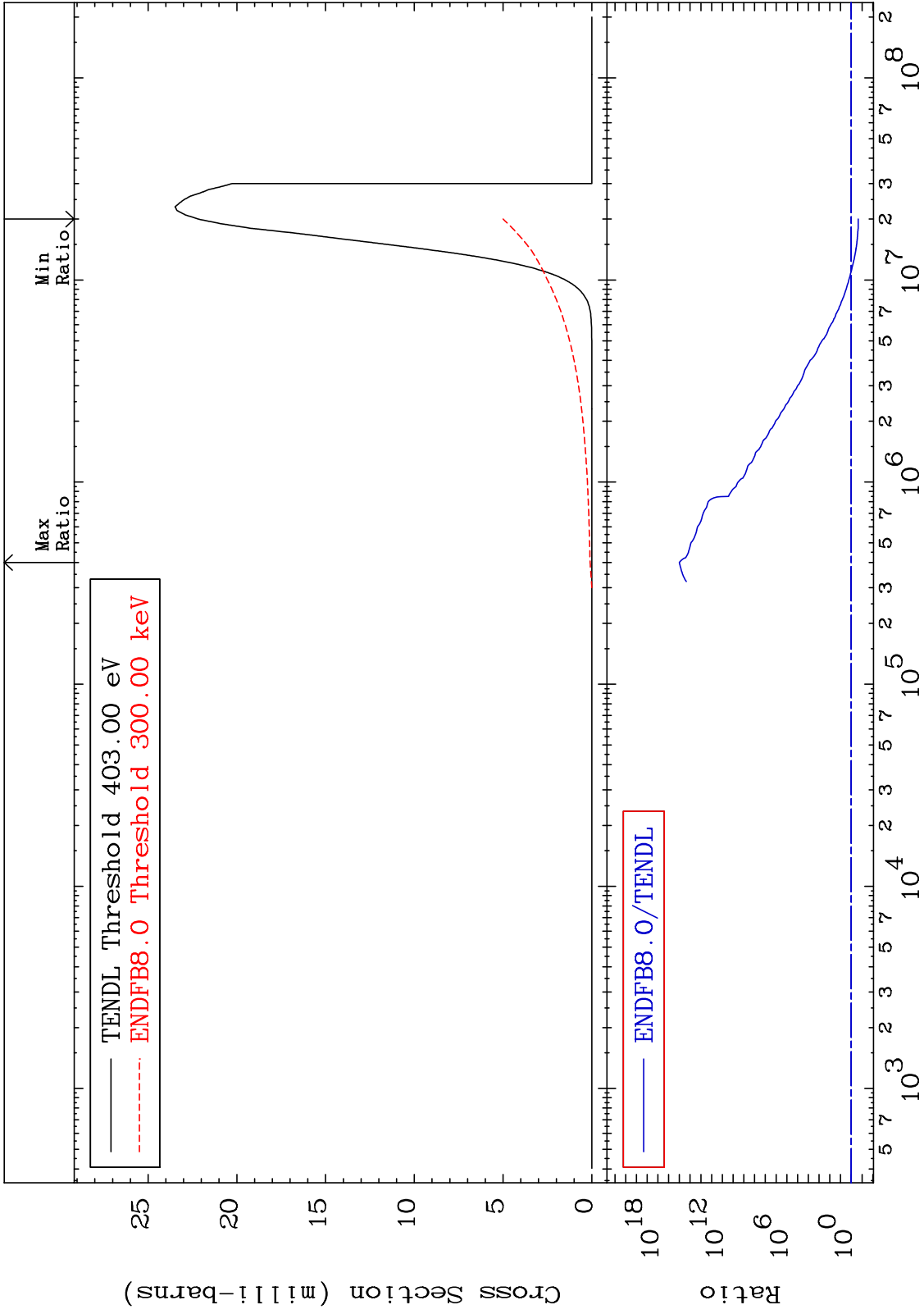
MAT 7128

(n, p)

71-Lu-176

Cross Section

-77.45 To 9999. %



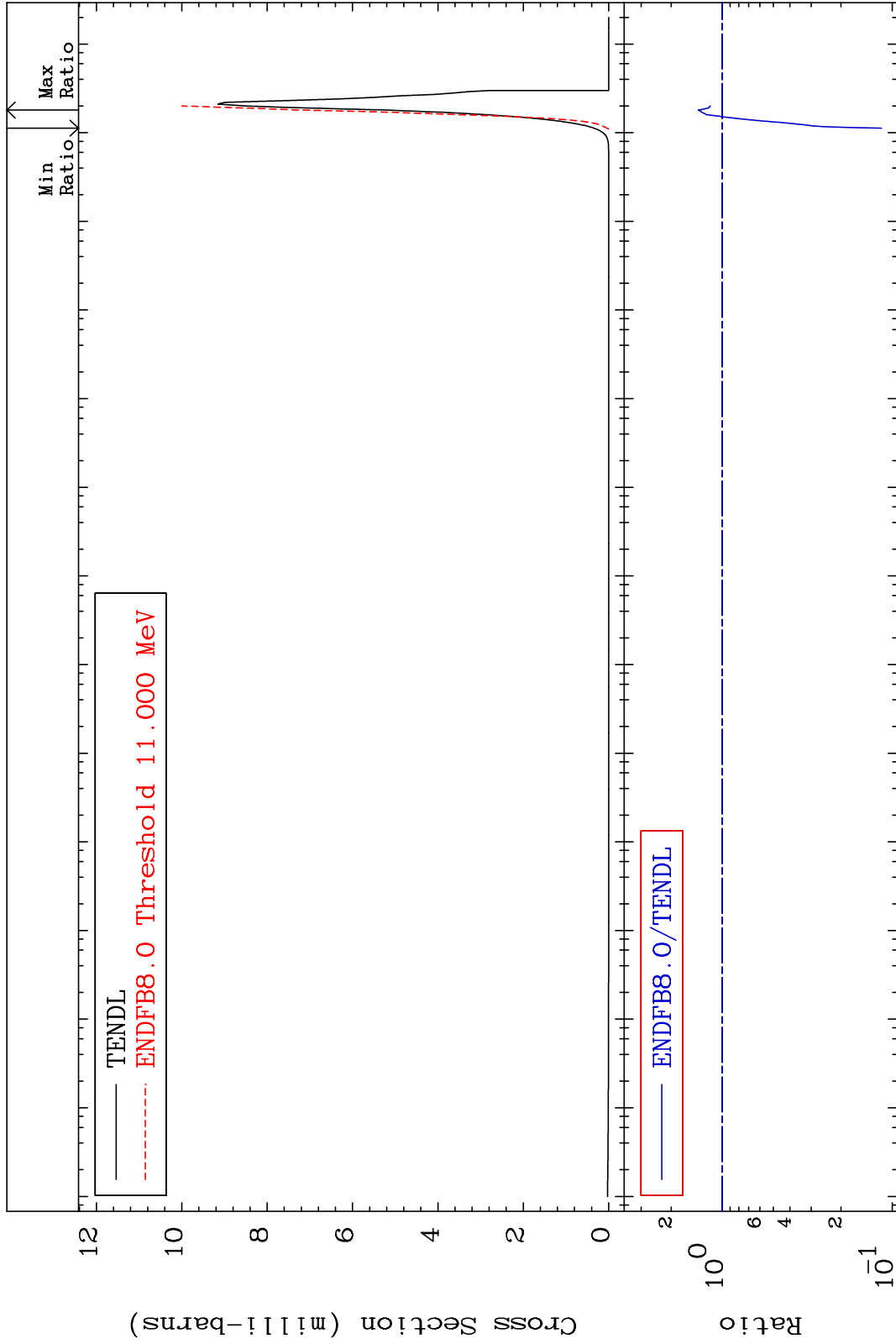
MAT 7128

(n, α)

⁷¹Lu-176

Cross Section

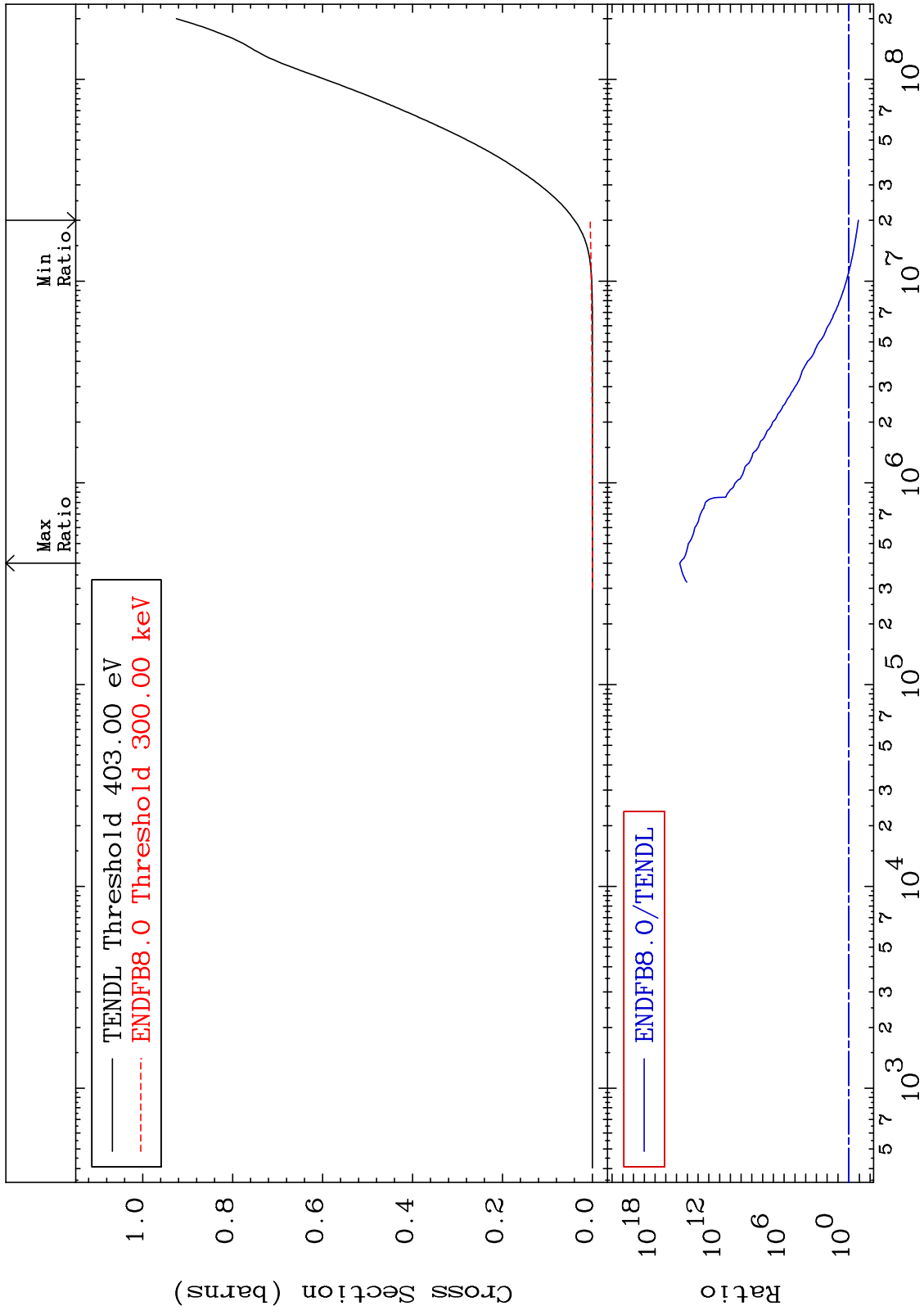
-88.45 To 38.32 %



MAT 7128

Hydrogen Production
Cross Section

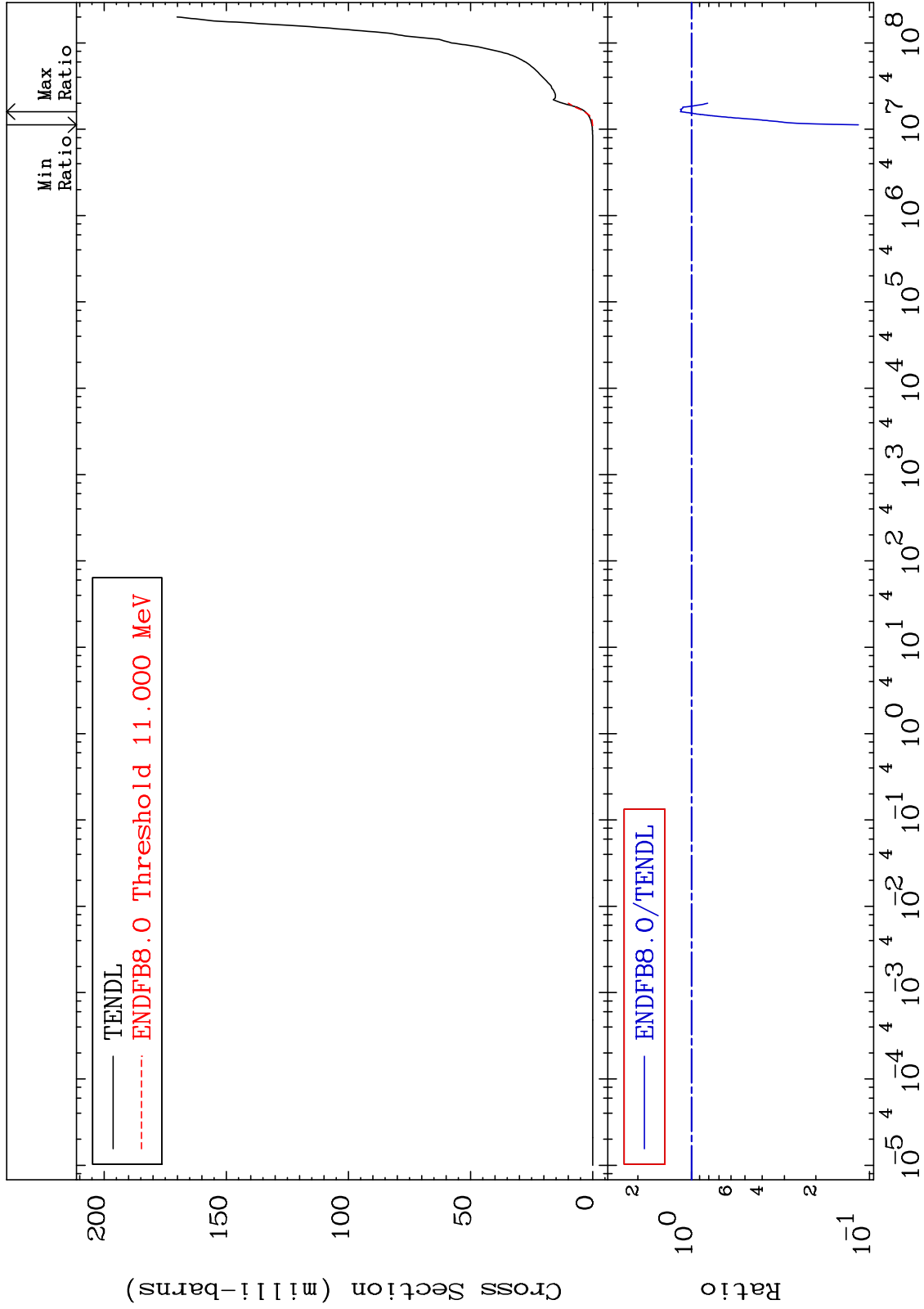
71-Lu-176
-87.41 To 9999. %



MAT 7128

He-4 Production
Cross Section

71-Lu-176
-88.47 To 15.99 %



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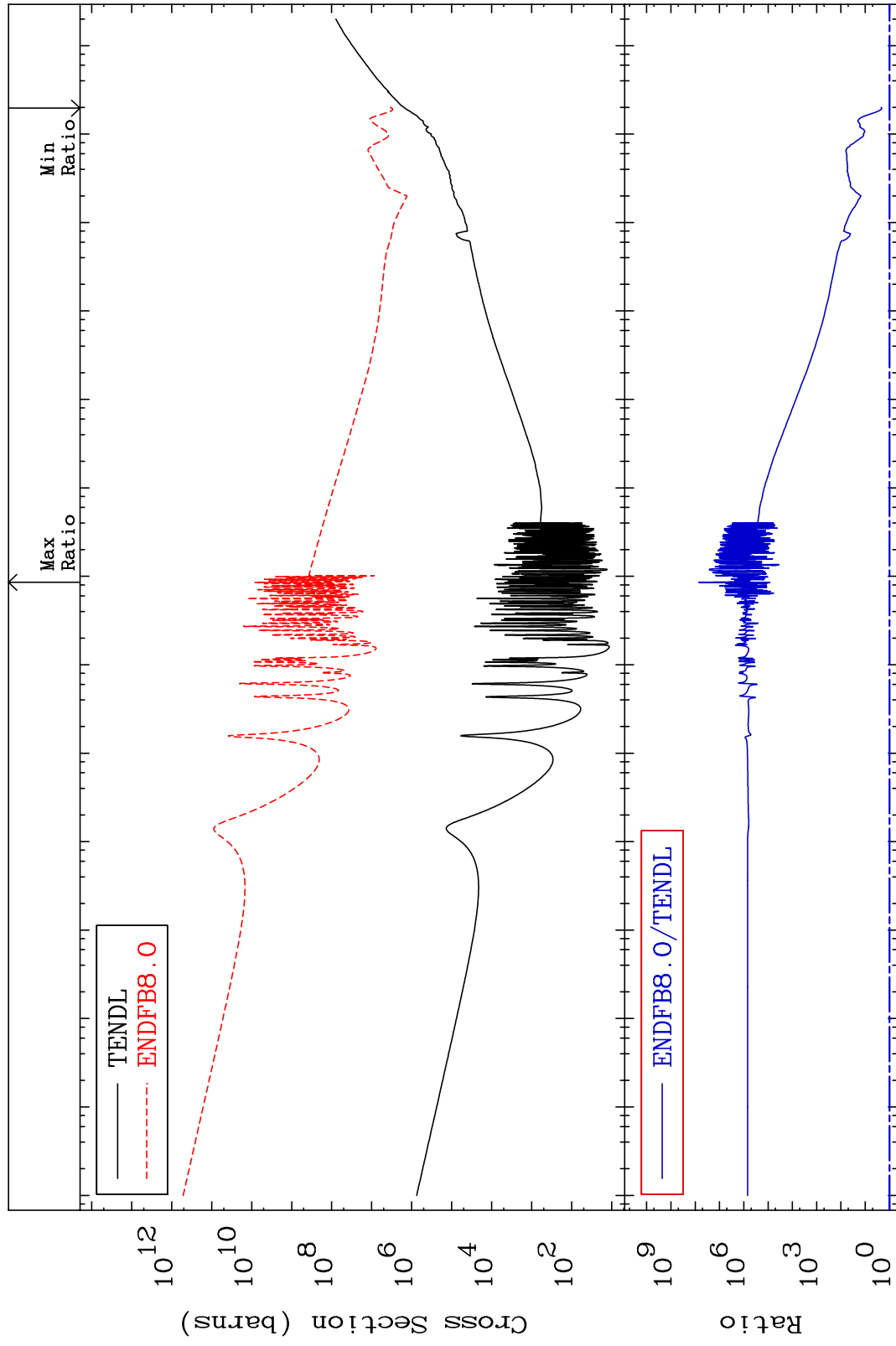
Incident Energy (eV)

71-Lu-176

MAT 7128

Kerma total (eV-barns)
Cross Section

71-Lu-176
112.5 To 9999. %

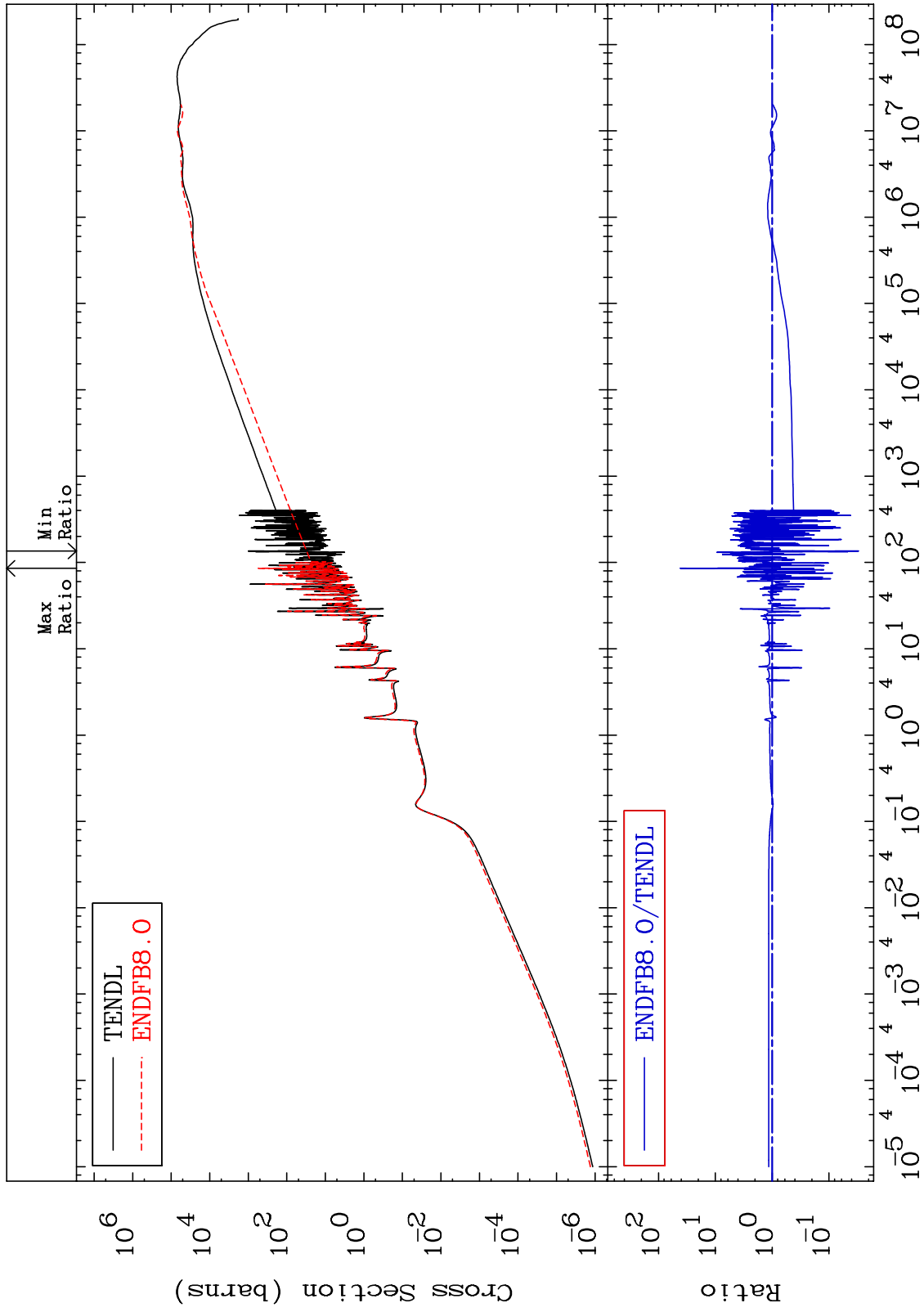


10¹²
10¹⁰
10⁸
10⁶
10⁴
10²
10⁹
10⁶
10³
10⁰
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV)
71-Lu-176

MAT 7128

Kerma elastic
Cross Section

71-Lu-176
-96.96 To 4089. %



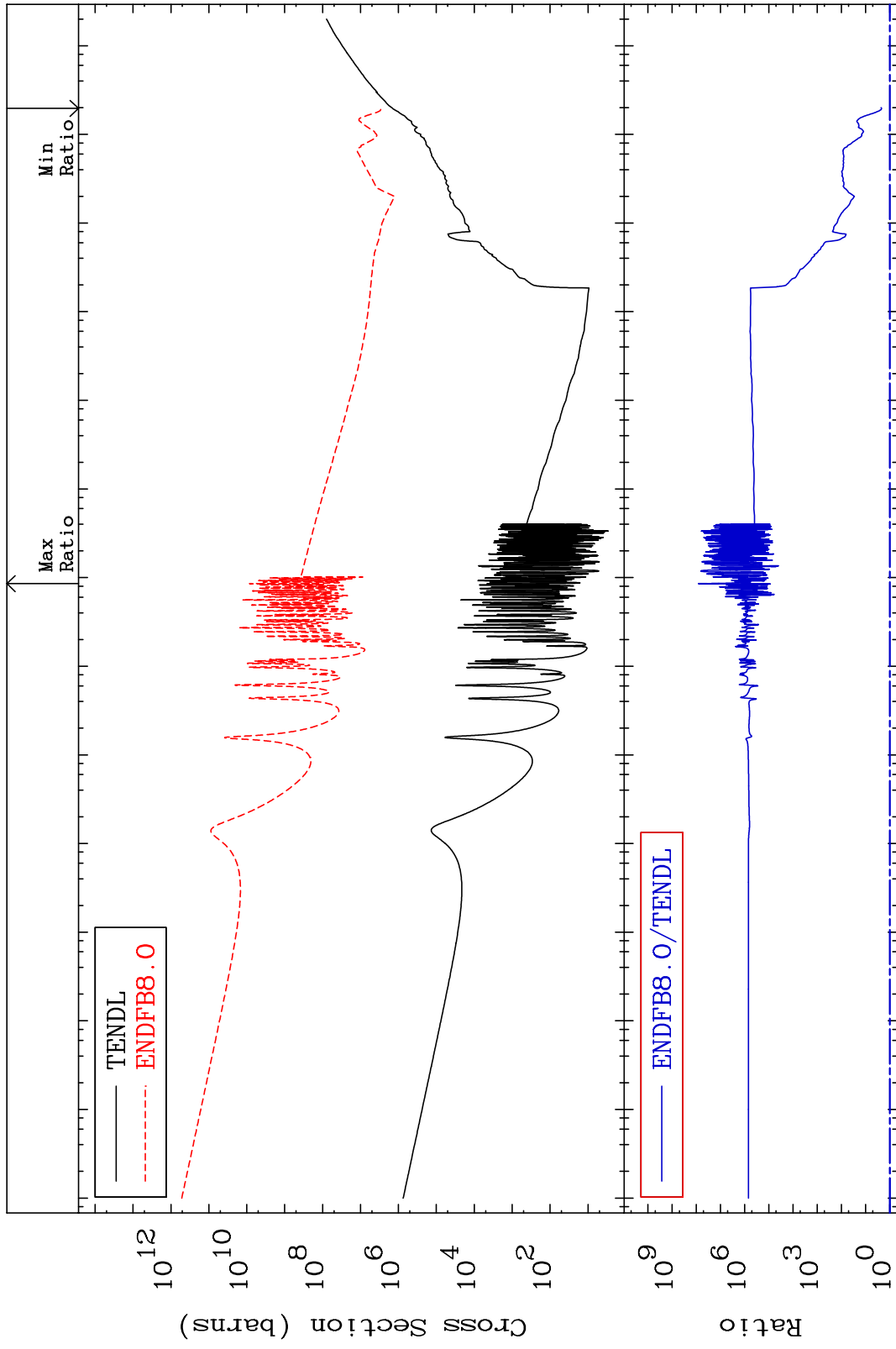
MAT 7128

Kerma non-elastic (all but mt2)

71-Lu-176

117.3 To 9999. %

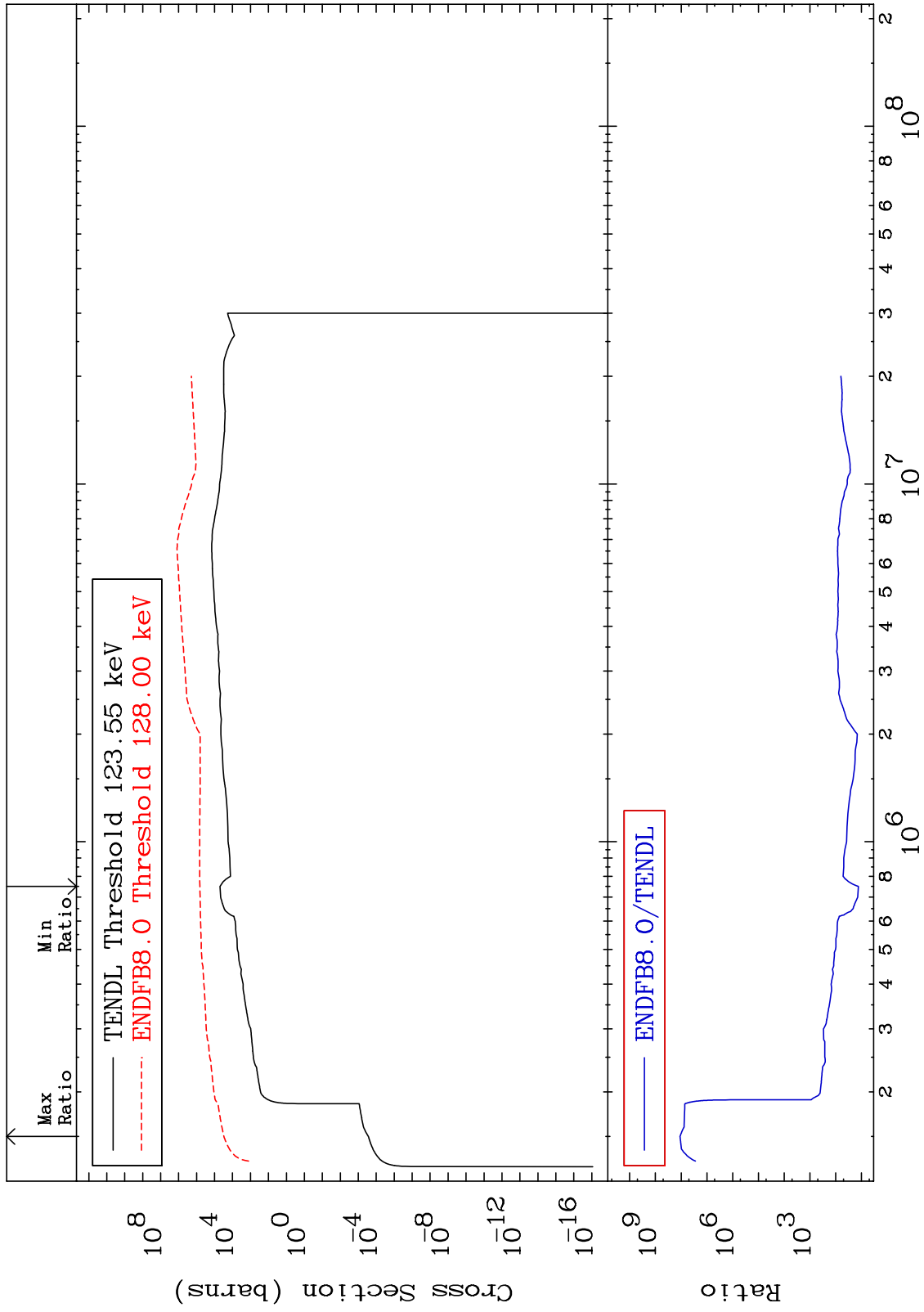
Cross Section



MAT 7128

Kerma inelastic (mt51-91)
Cross Section

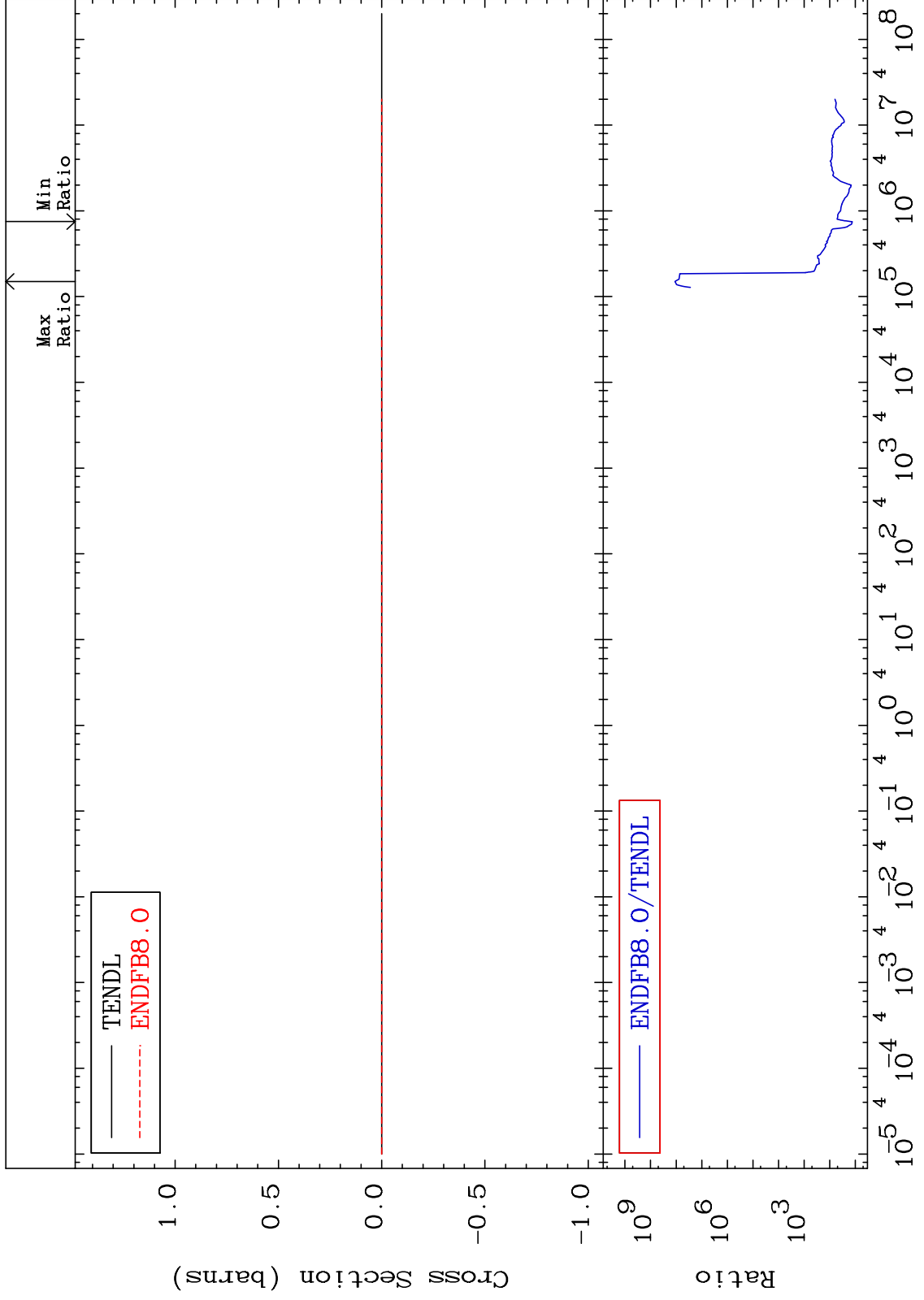
71-Lu-176
1220. To 9999. %



MAT 7128

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

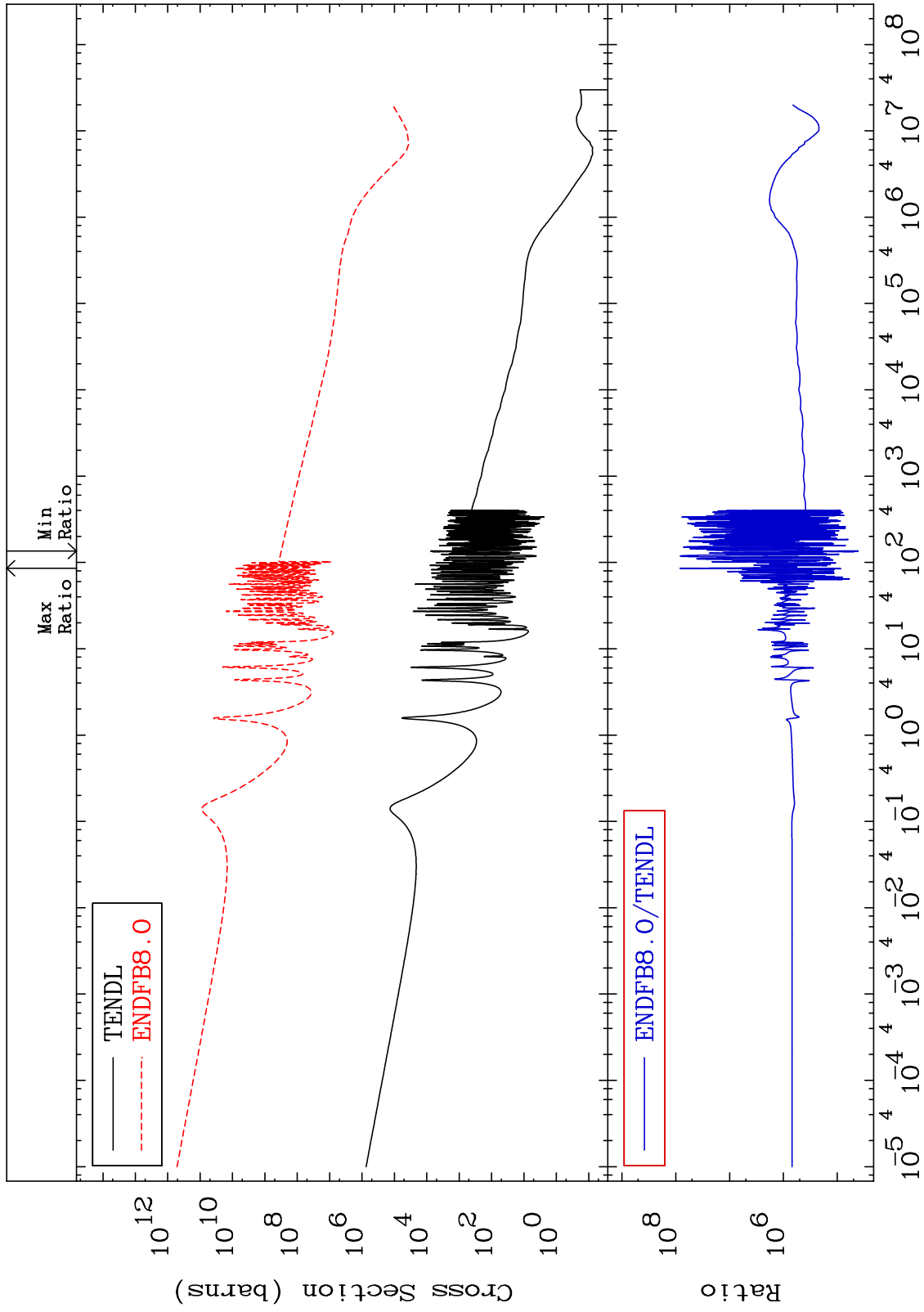
71-Lu-176
1220. To 9999. %



MAT 7128

Kerma capture (mt102)
Cross Section

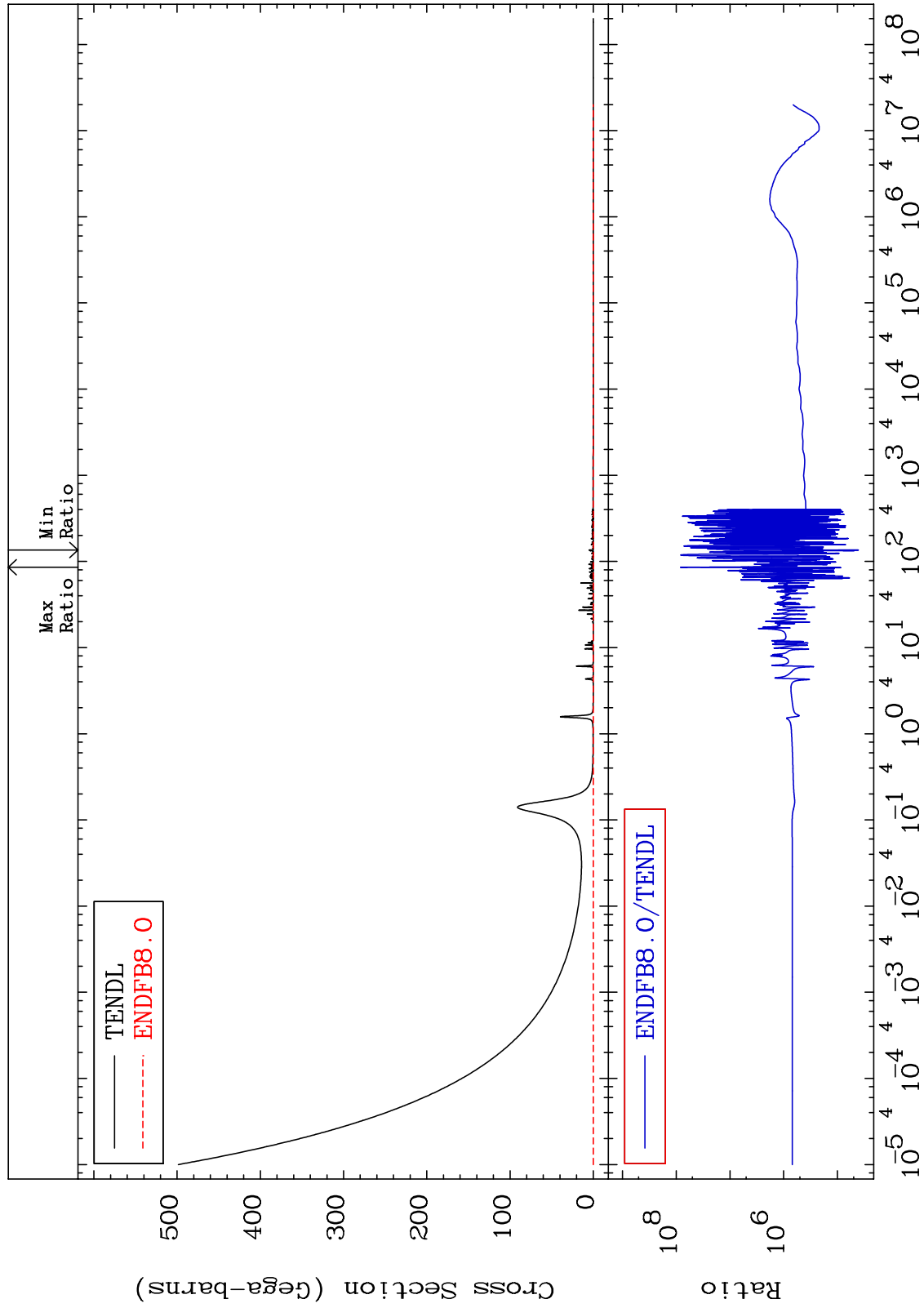
71-Lu-176
9999. To 9999. %



MAT 7128

Total photon (eV-barns)
Cross Section

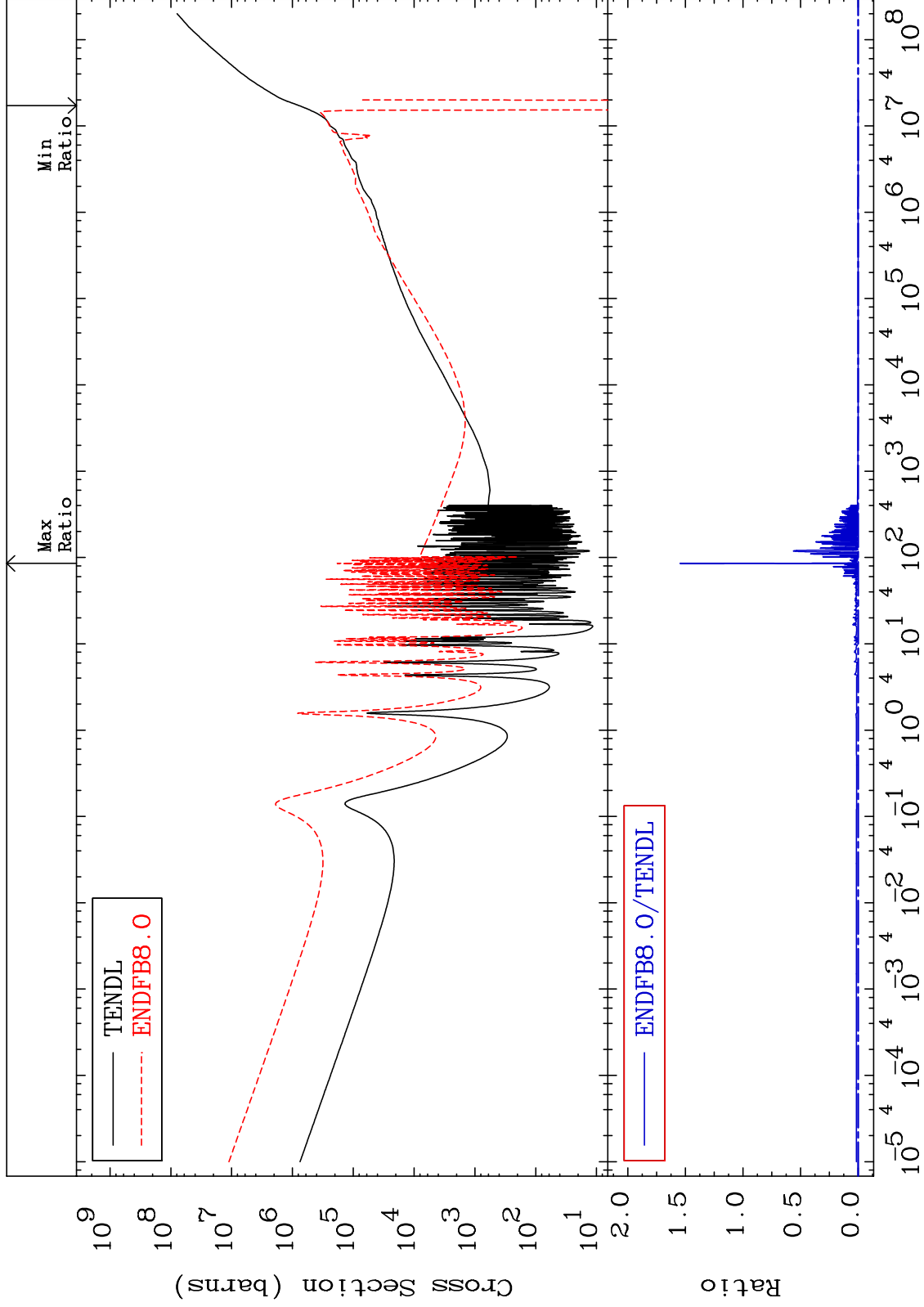
71-Lu-176
9999. To 9999. %



MAT 7128

Total kinematic kerma (high limit)
Cross Section

71-Lu-176
-291.5 To 9999. %



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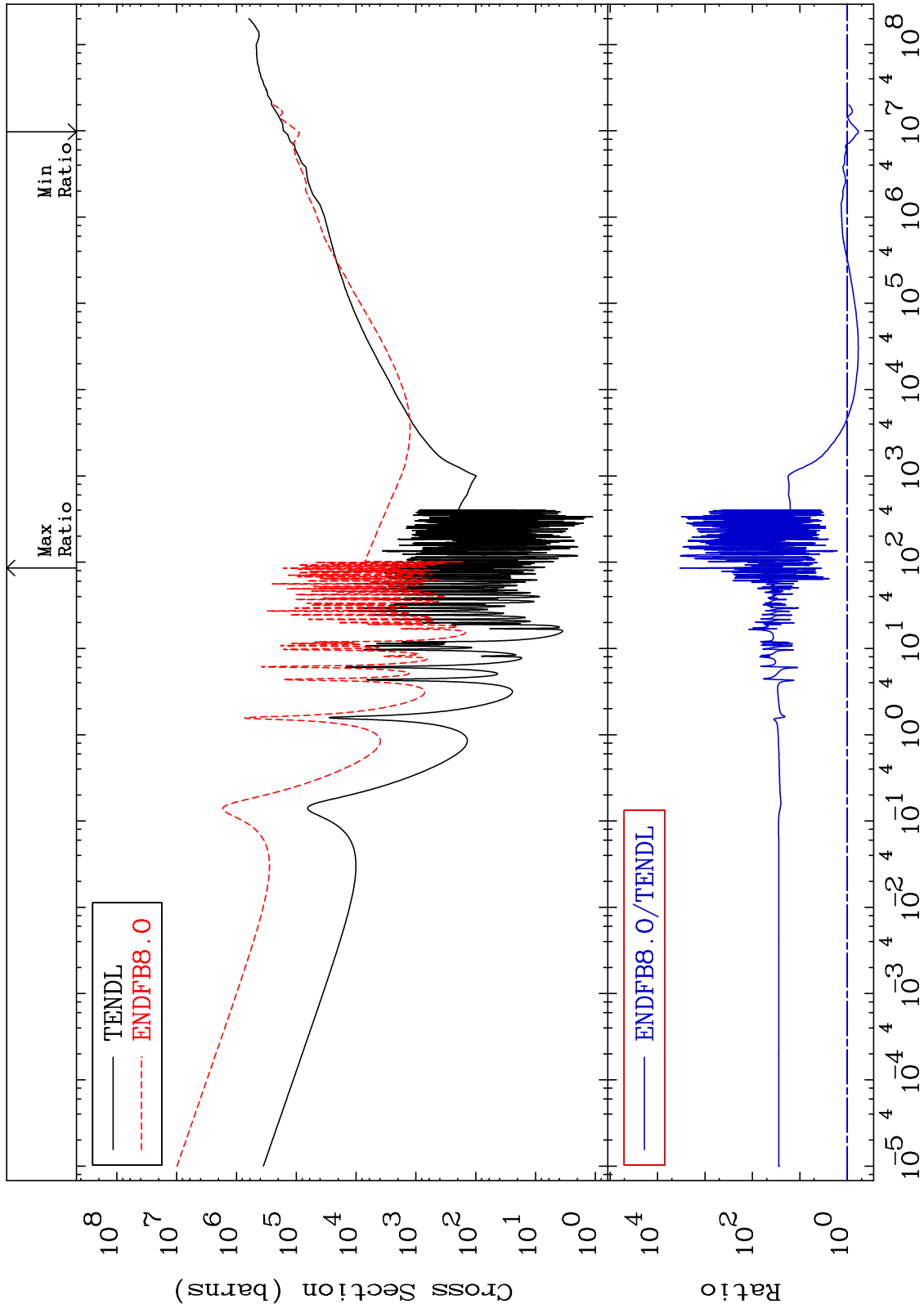
Incident Energy (eV)

71-Lu-176

MAT 7128

Dpa total (eV-barns)
Cross Section

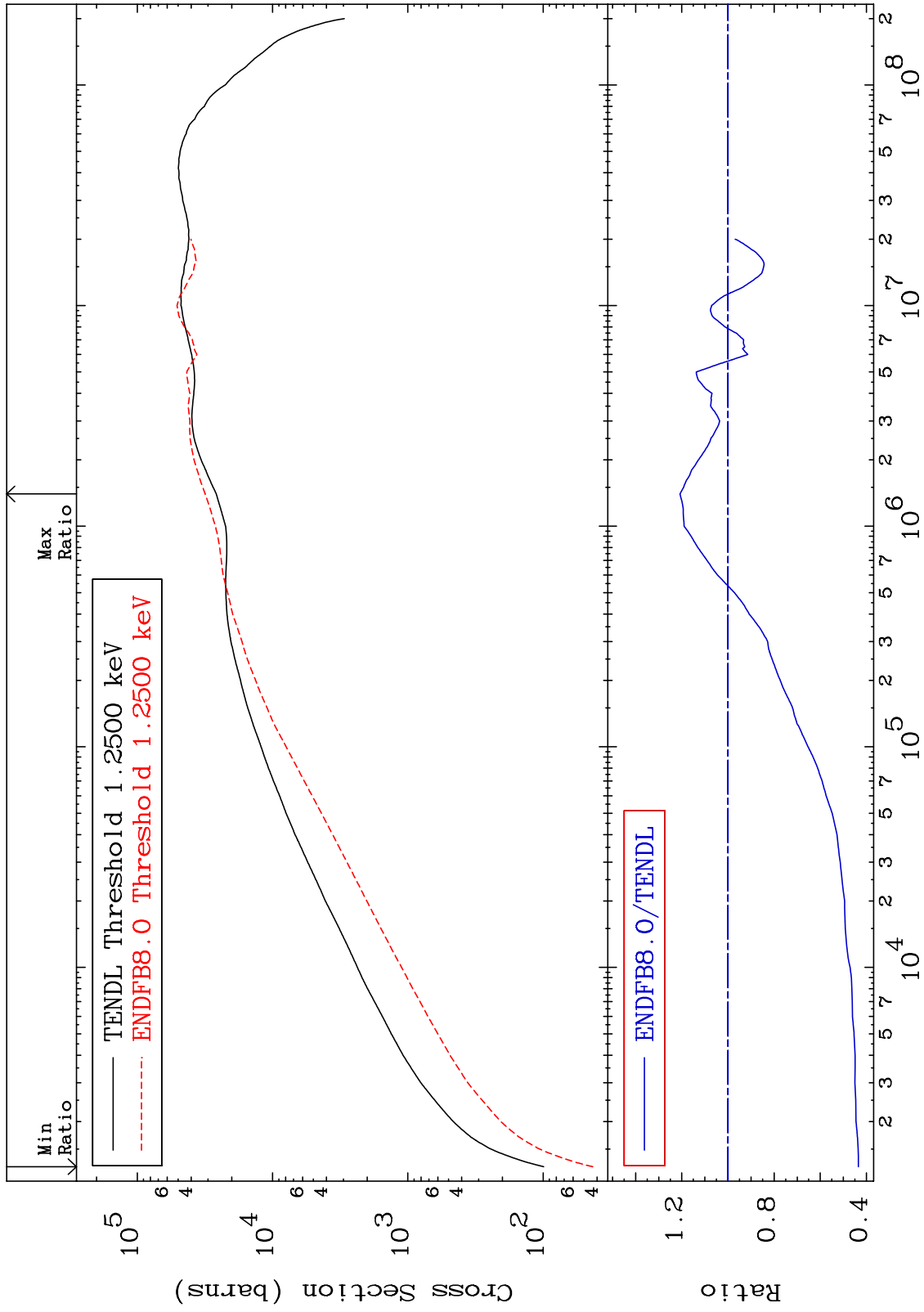
71-Lu-176
-41.67 To 9999. %



MAT 7128

Dpa elastic (mt2)
Cross Section

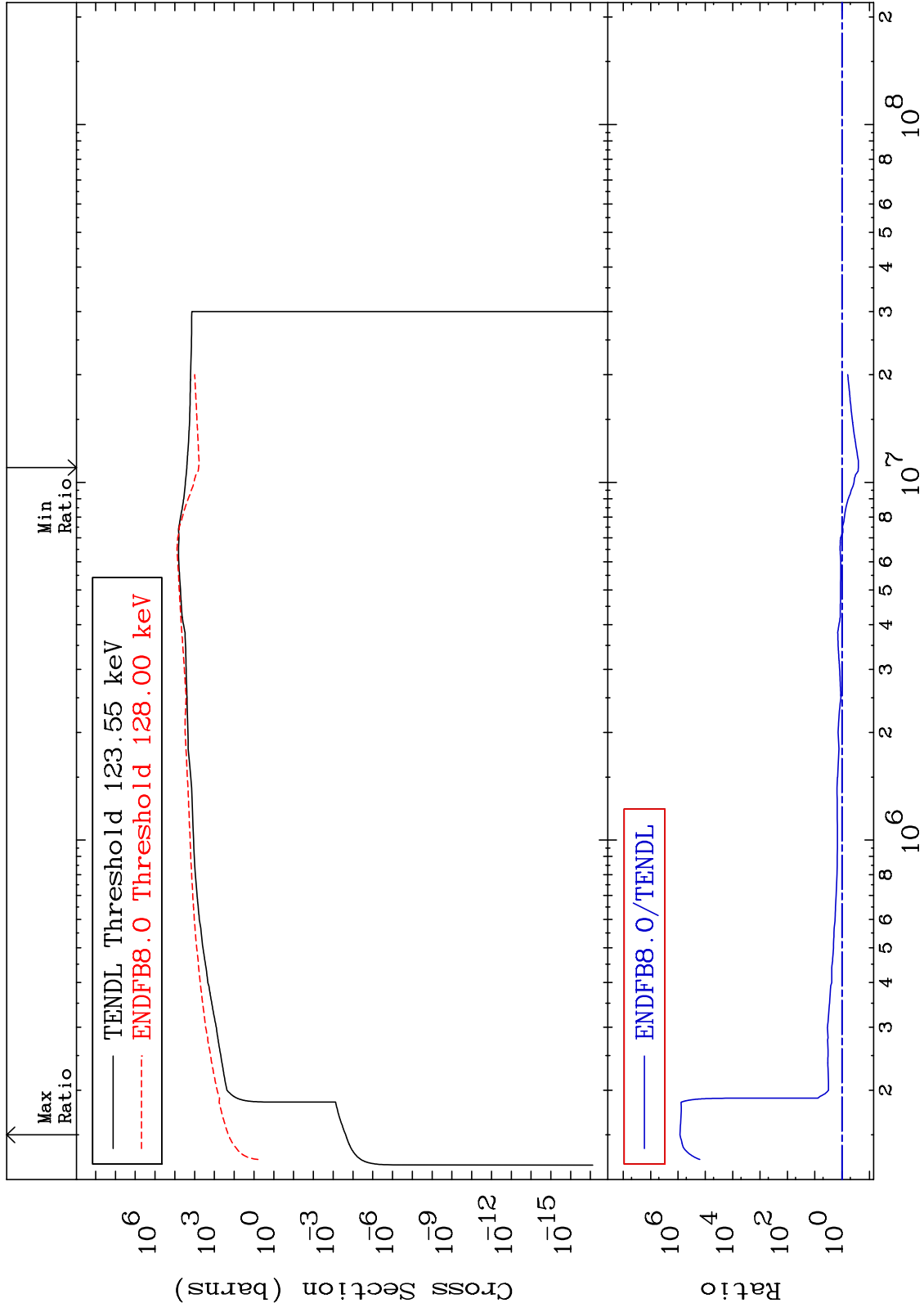
71-Lu-176
-56.53 To 20.77 %



MAT 7128

Dpa inelastic (mt51-91)
Cross Section

71-Lu-176
-74.75 To 9999. %



MAT 7128

Dpa disappearance (mt102 -120)
Cross Section

71-Lu-176
-28.81 To 9999. %

