

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

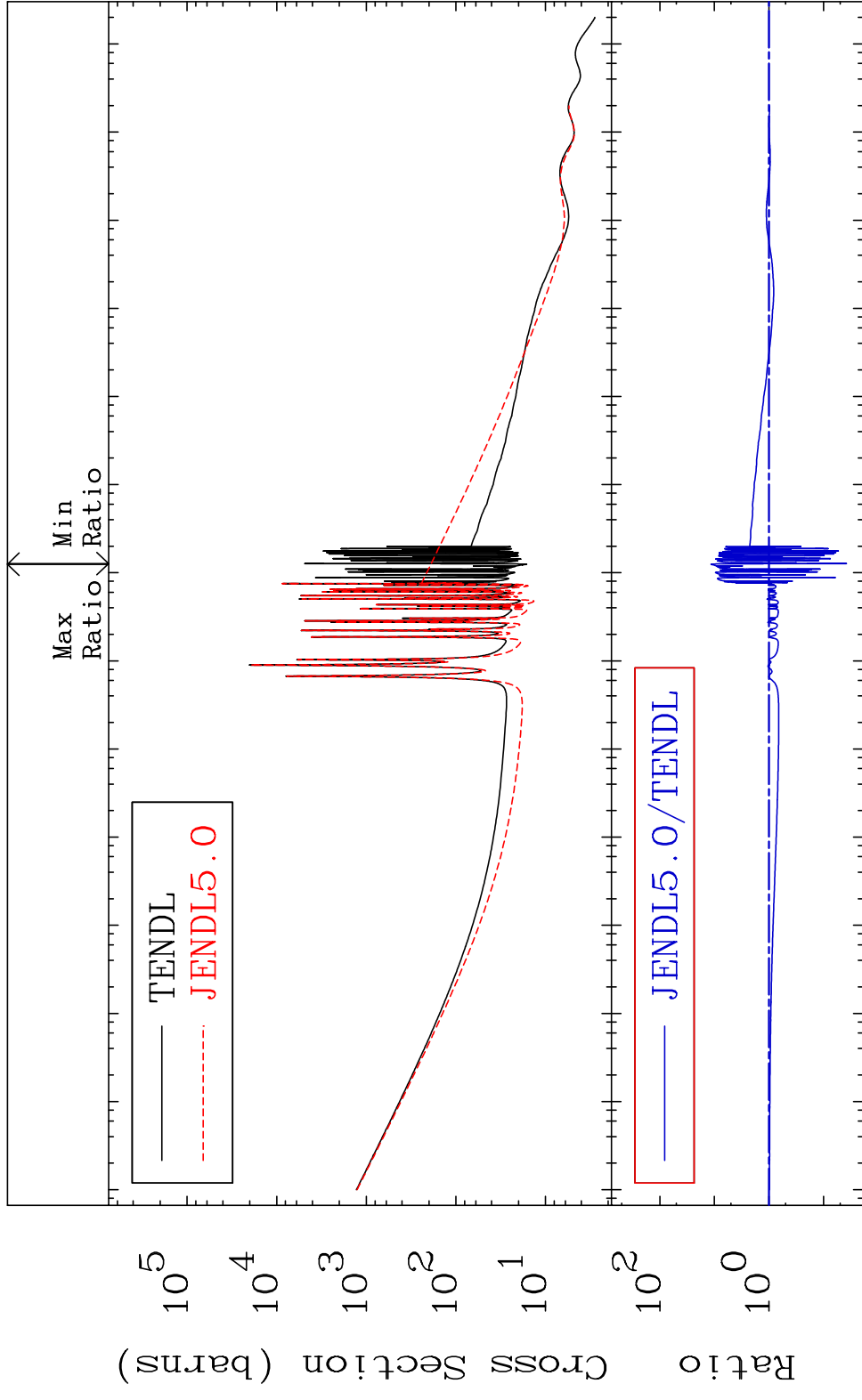
MAT 7640

Total

76-0s-189

Cross Section

-96.15 To 1069. %



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

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

1

Incident Energy (eV)

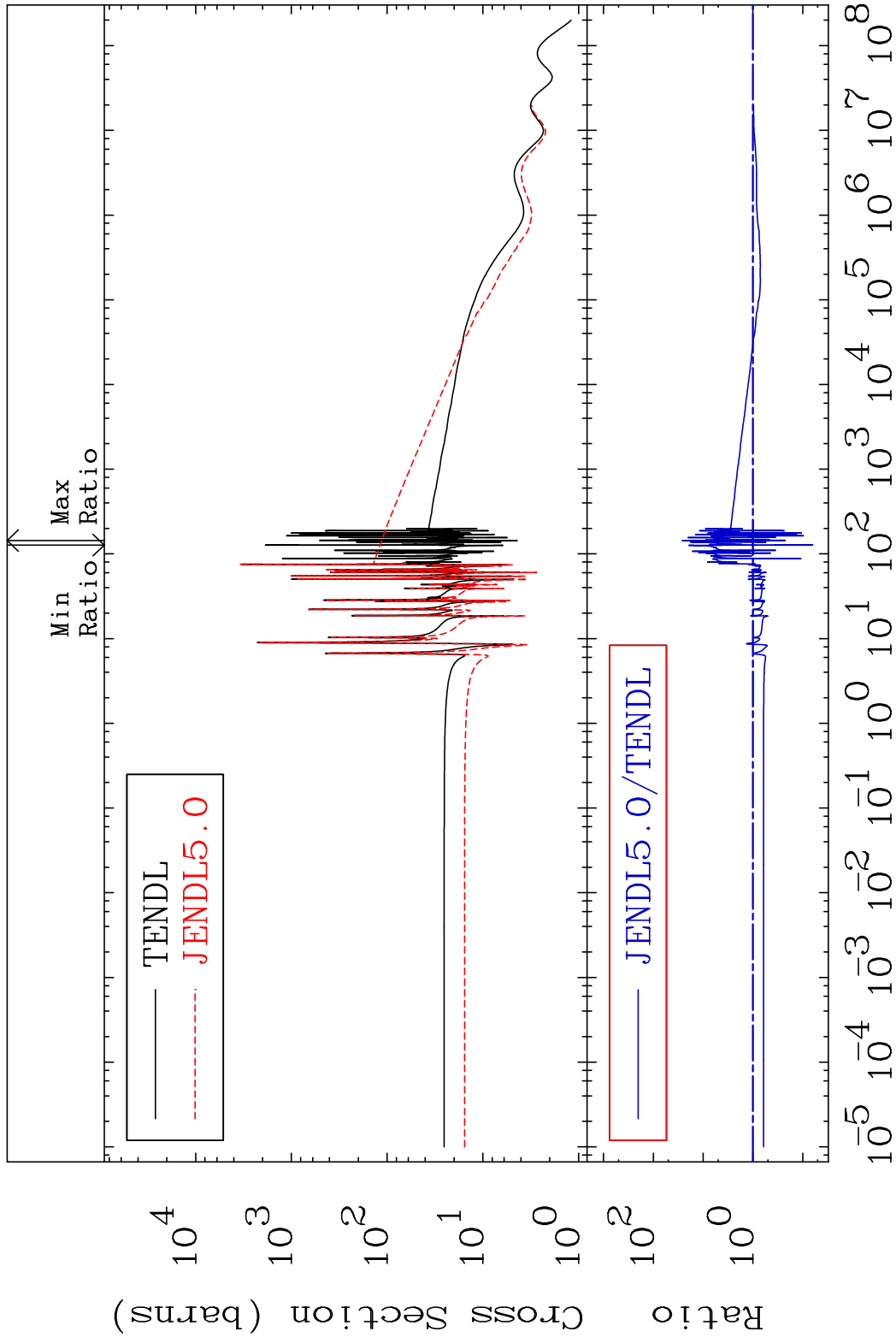
76-0s-189

MAT 7640

Elastic

76-Os-189

Cross Section -93.66 To 2514. %

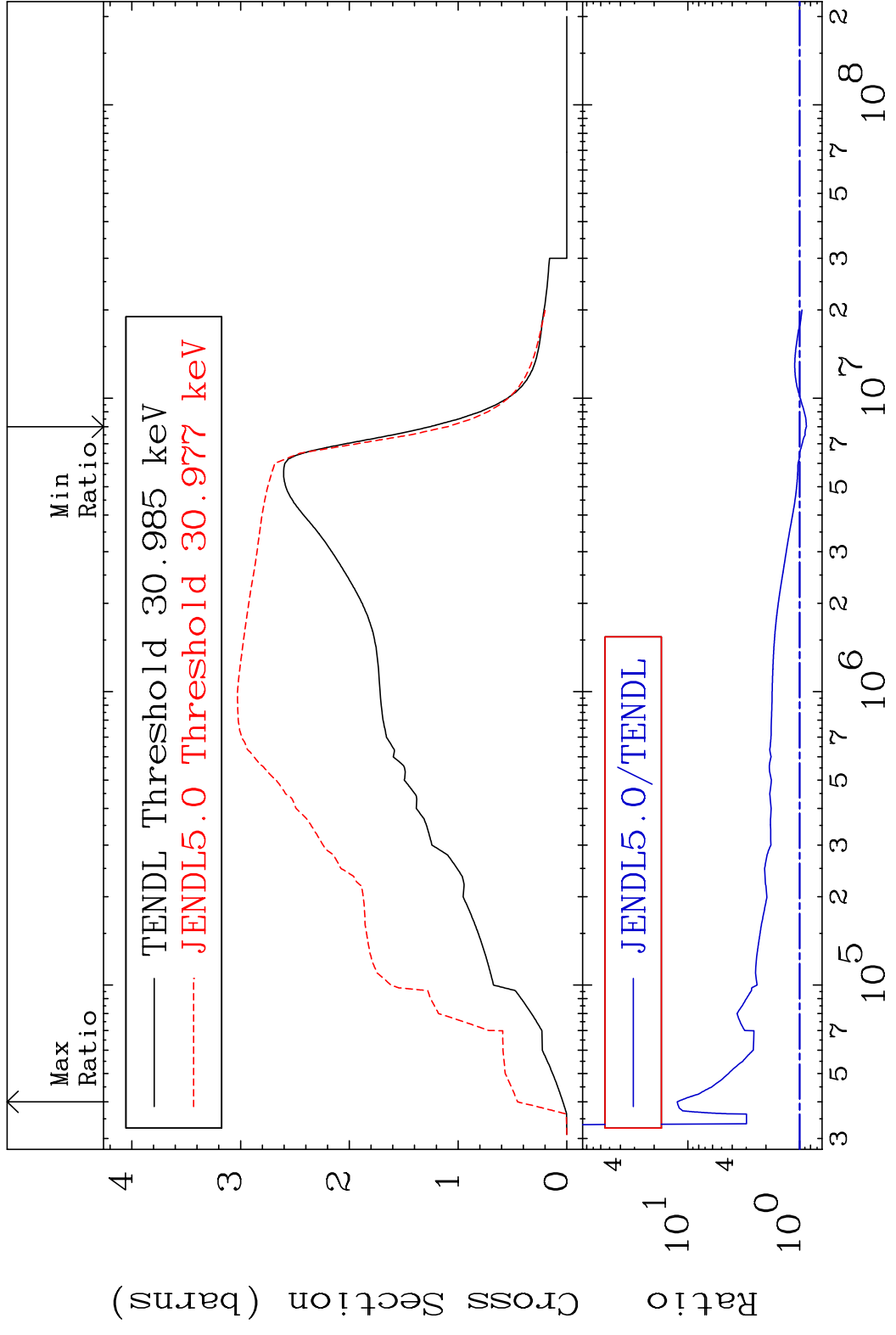


2

Incident Energy (eV)

76-Os-189

MAT 7640 Inelastic 76-Os-189
 Cross Section -12.92 To 1144. %



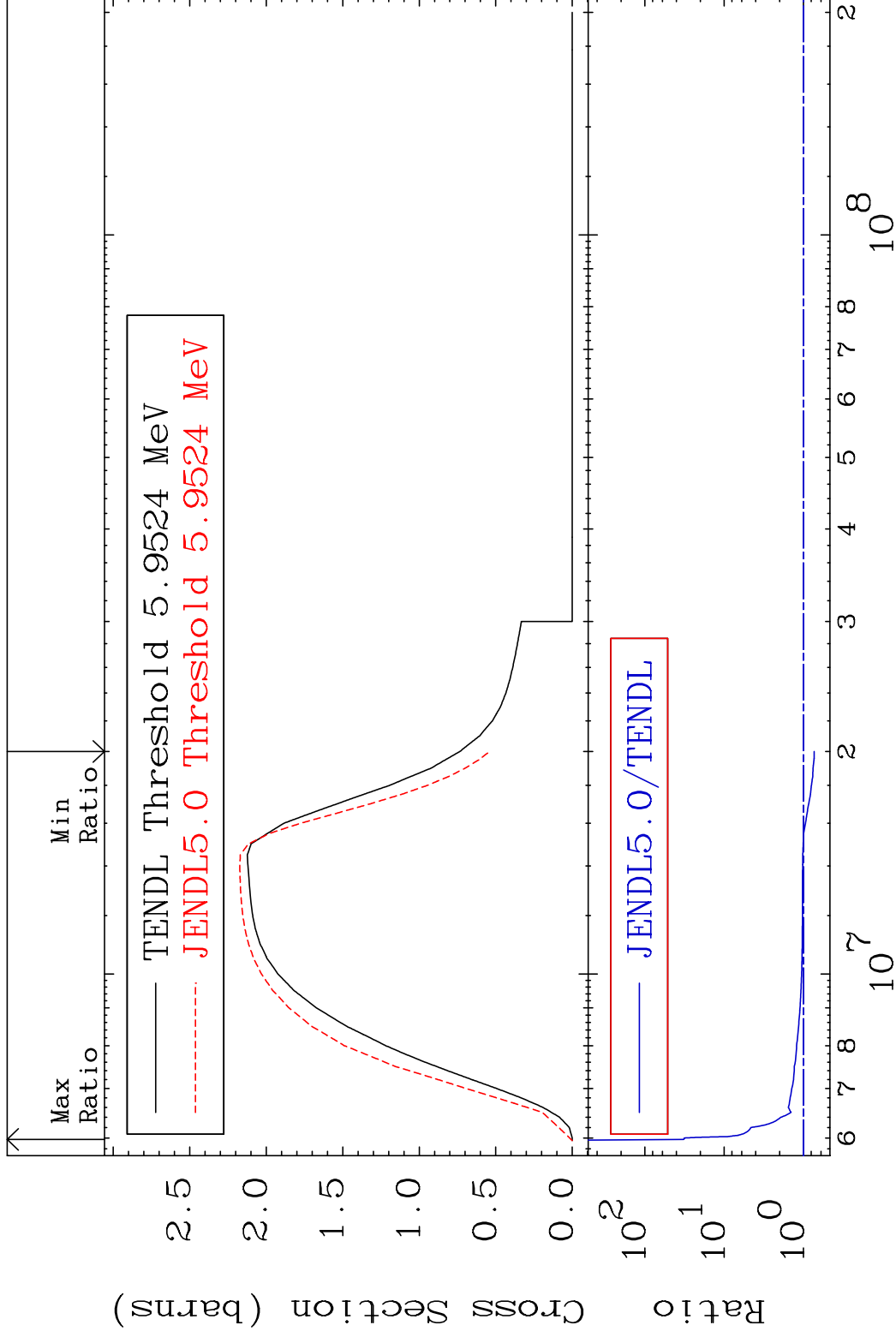
3 3 Incident Energy (eV) 76-Os-189

MAT 7640

(n,2n)

76-0s-189

Cross Section -26.52 To 3146. %



4

Incident Energy (eV)

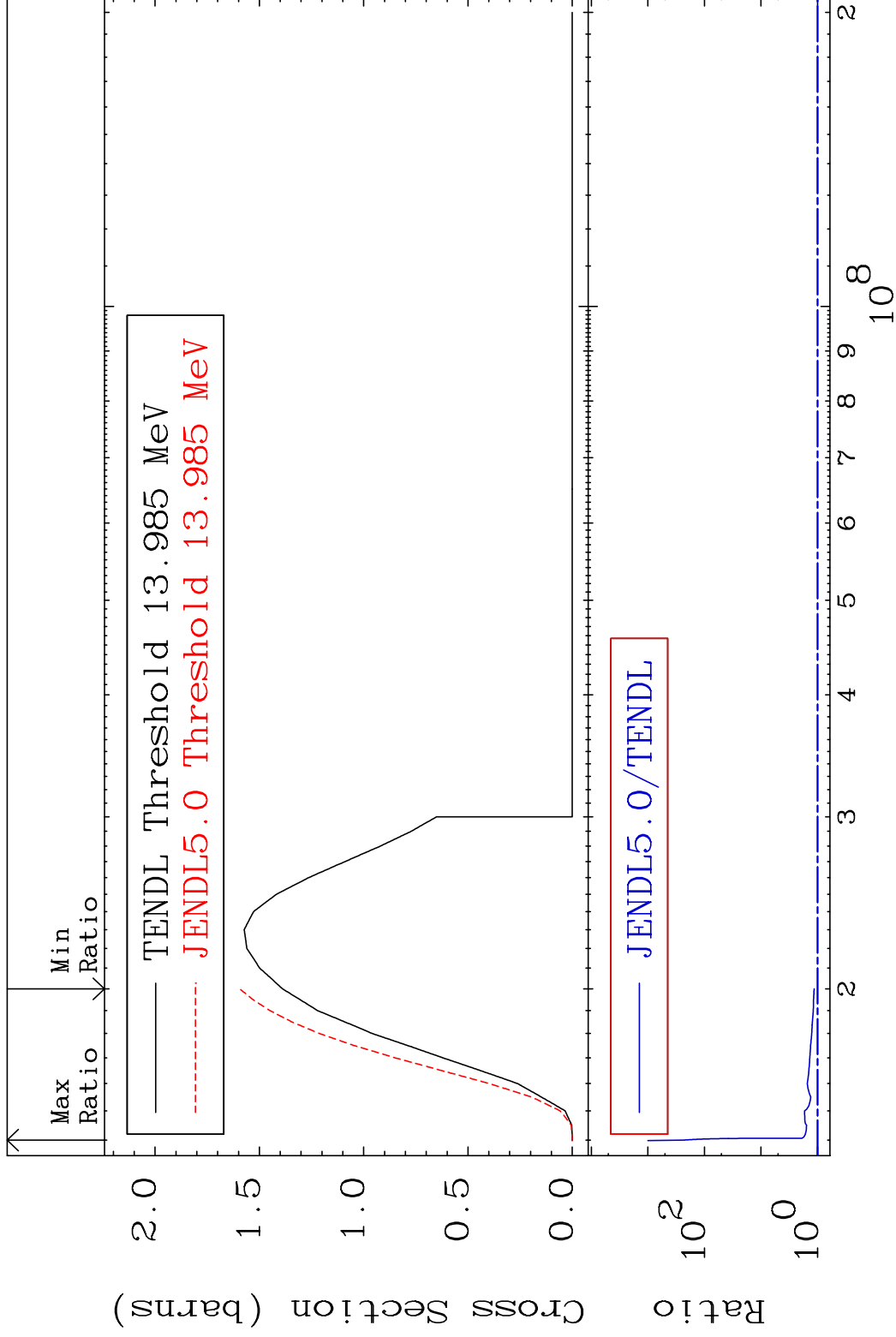
76-0s-189

MAT 7640

(n,3n)

76-0s-189

Cross Section 14.76 To 9999. %



5

Incident Energy (eV)

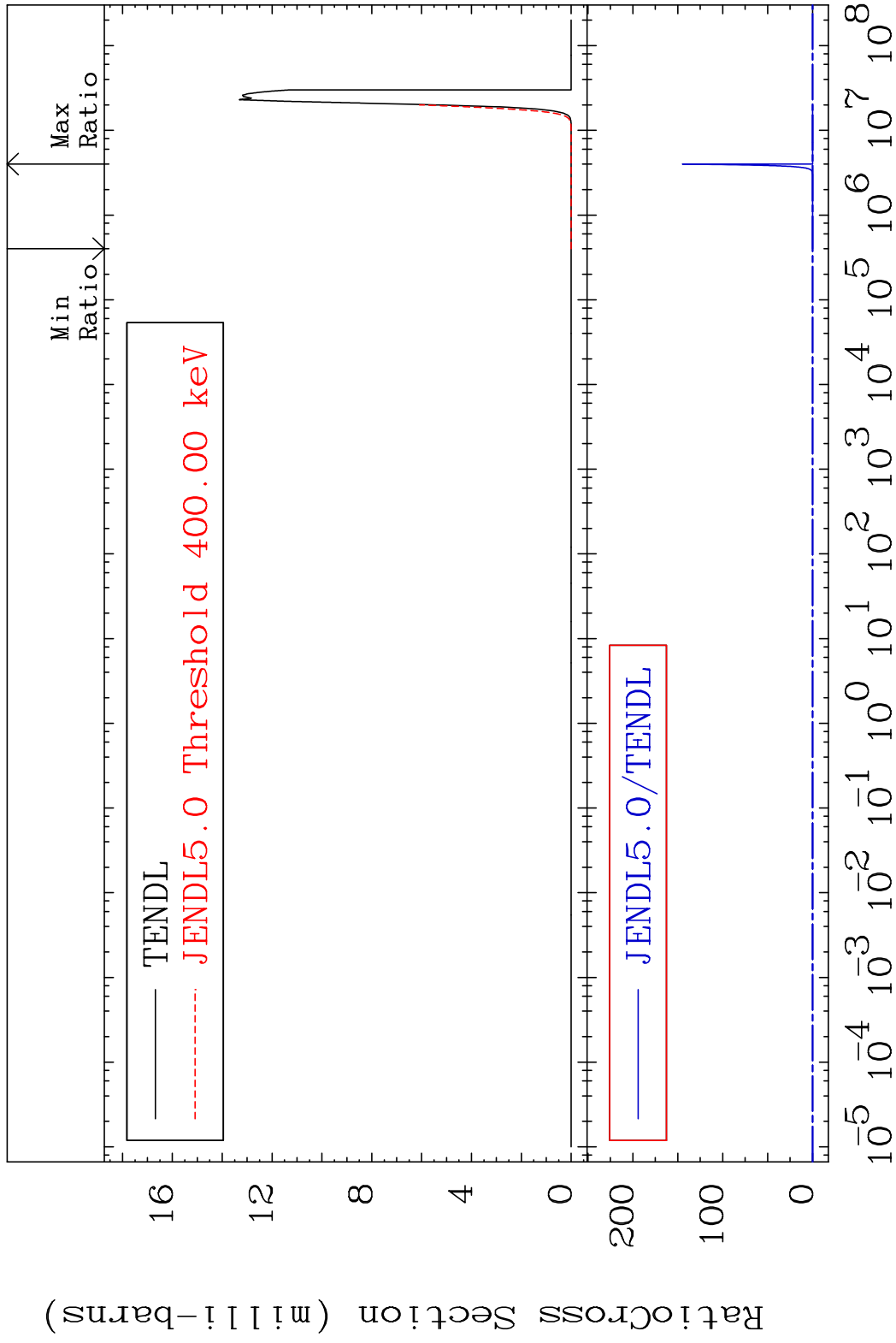
76-0s-189

MAT 7640

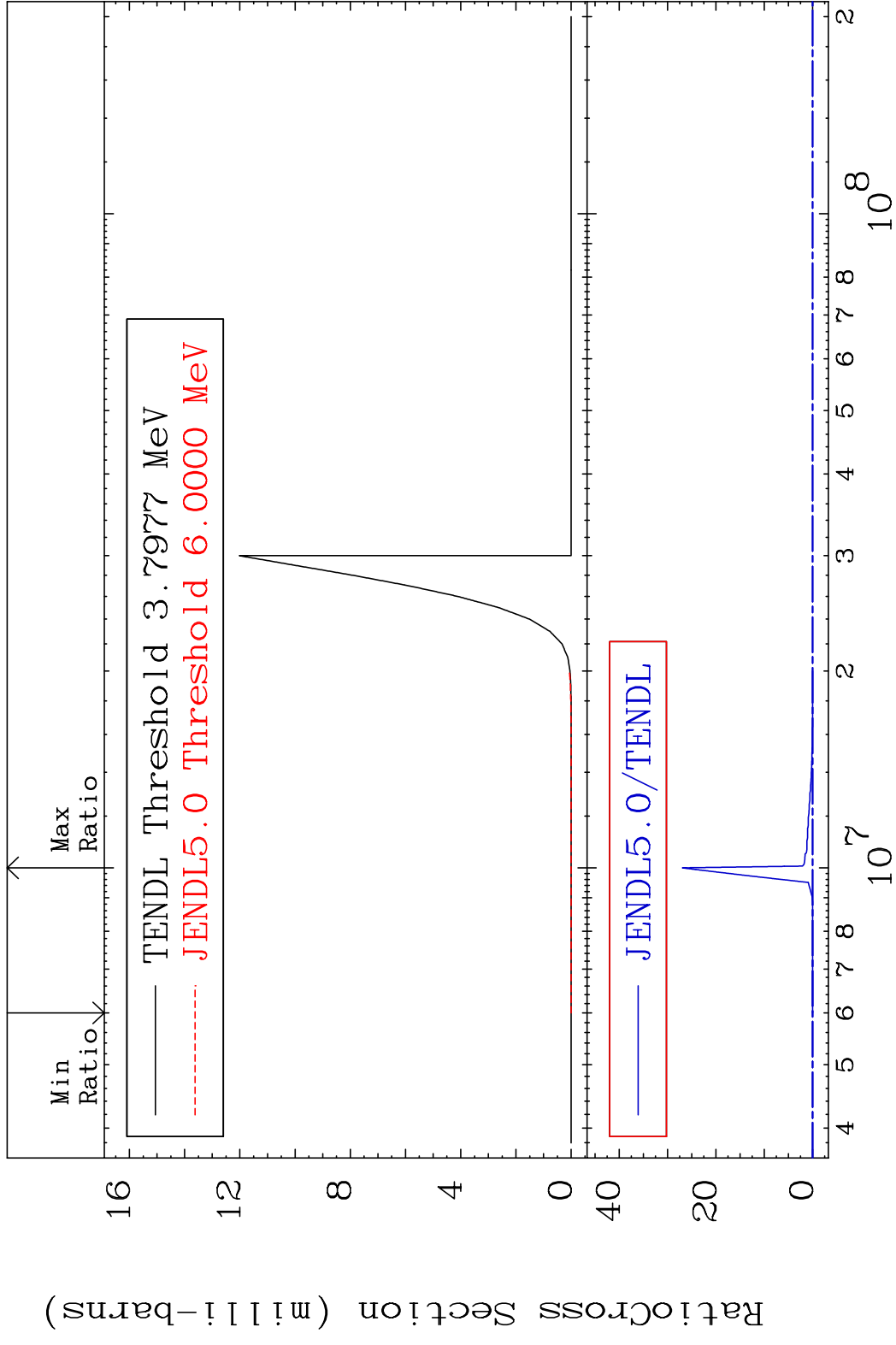
(n, n') α

76-Os-189

Cross Section -100.0 To 9999. %



MAT 7640 (n,2n) α 76-0s-189
 Cross Section -100.0 To 9999. %



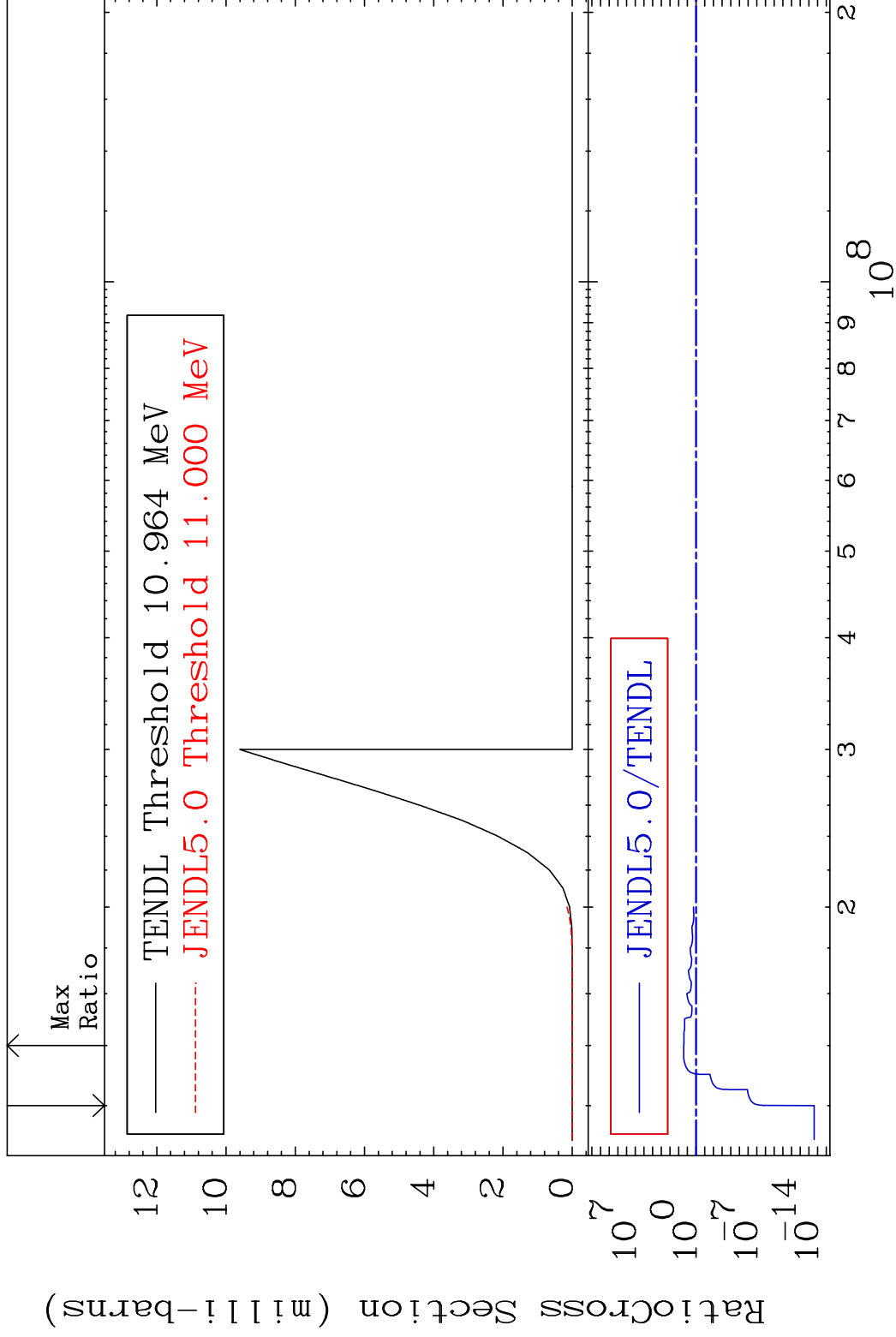
7 Incident Energy (eV) 76-0s-189

MAT 7640

(n, n') d

76-0s-189

Cross Section -100.0 To 2572. %

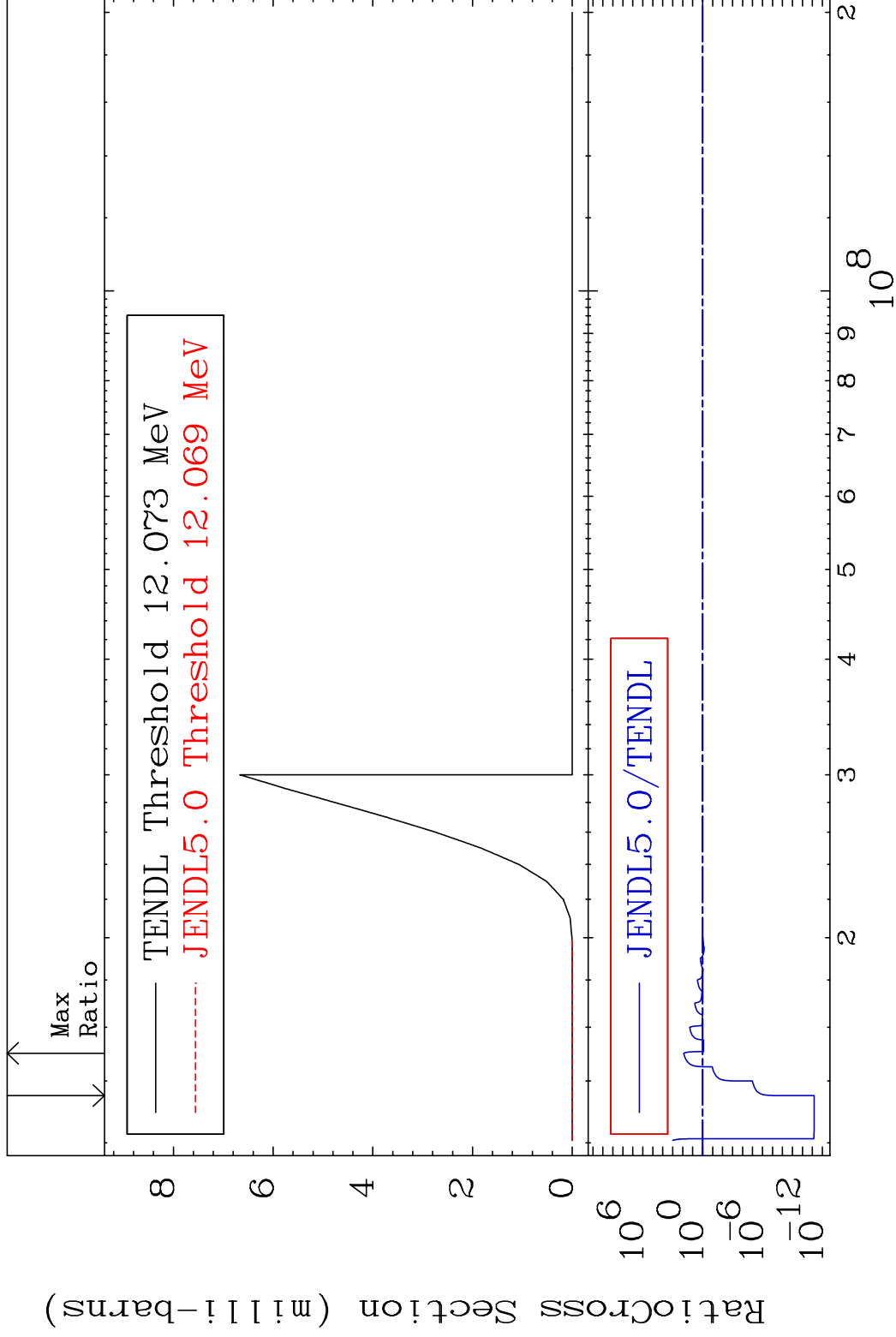


MAT 7640

(n, n') t

76-0s-189

Cross Section -100.0 To 7910. %



10

Incident Energy (eV)

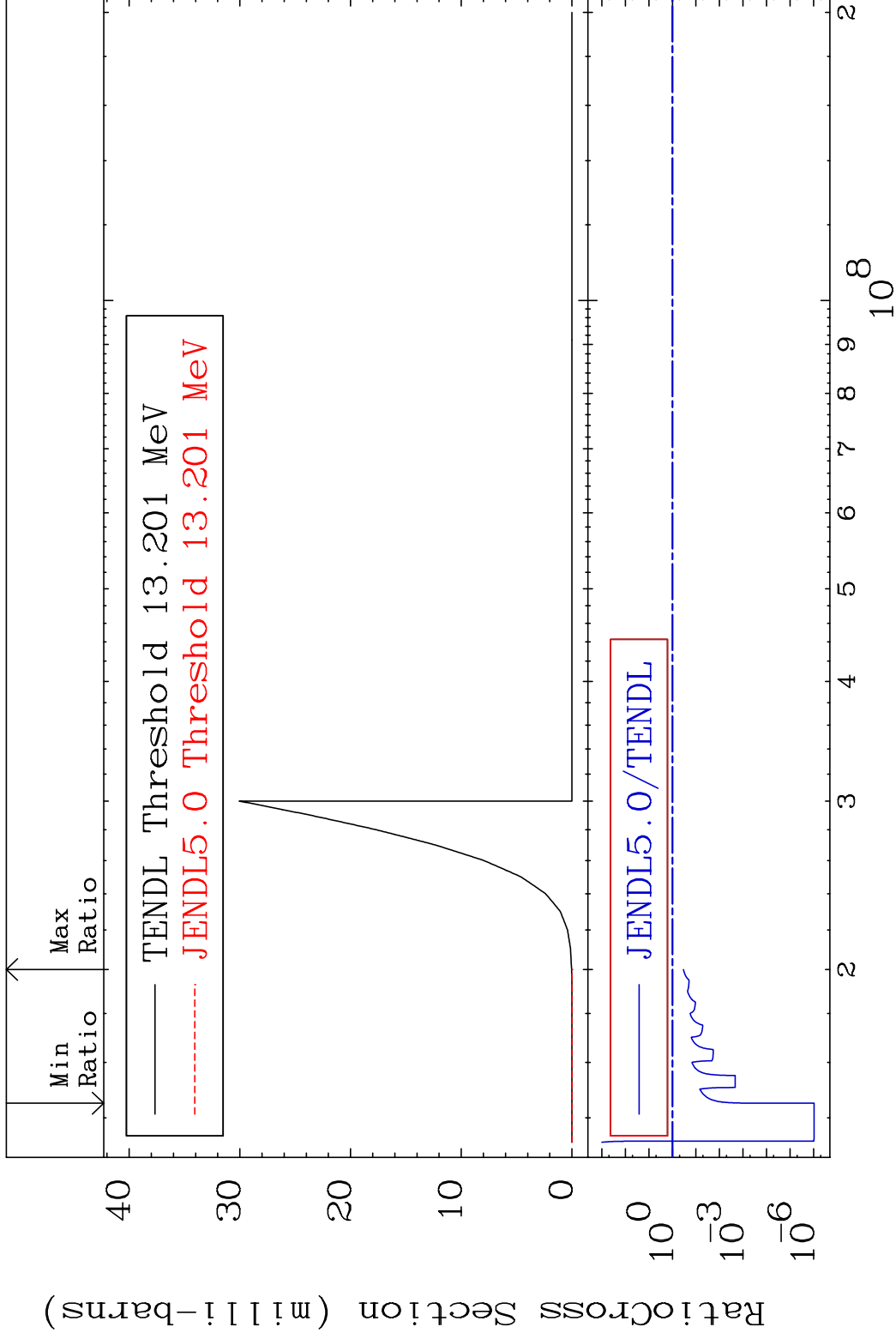
76-0s-189

MAT 7640

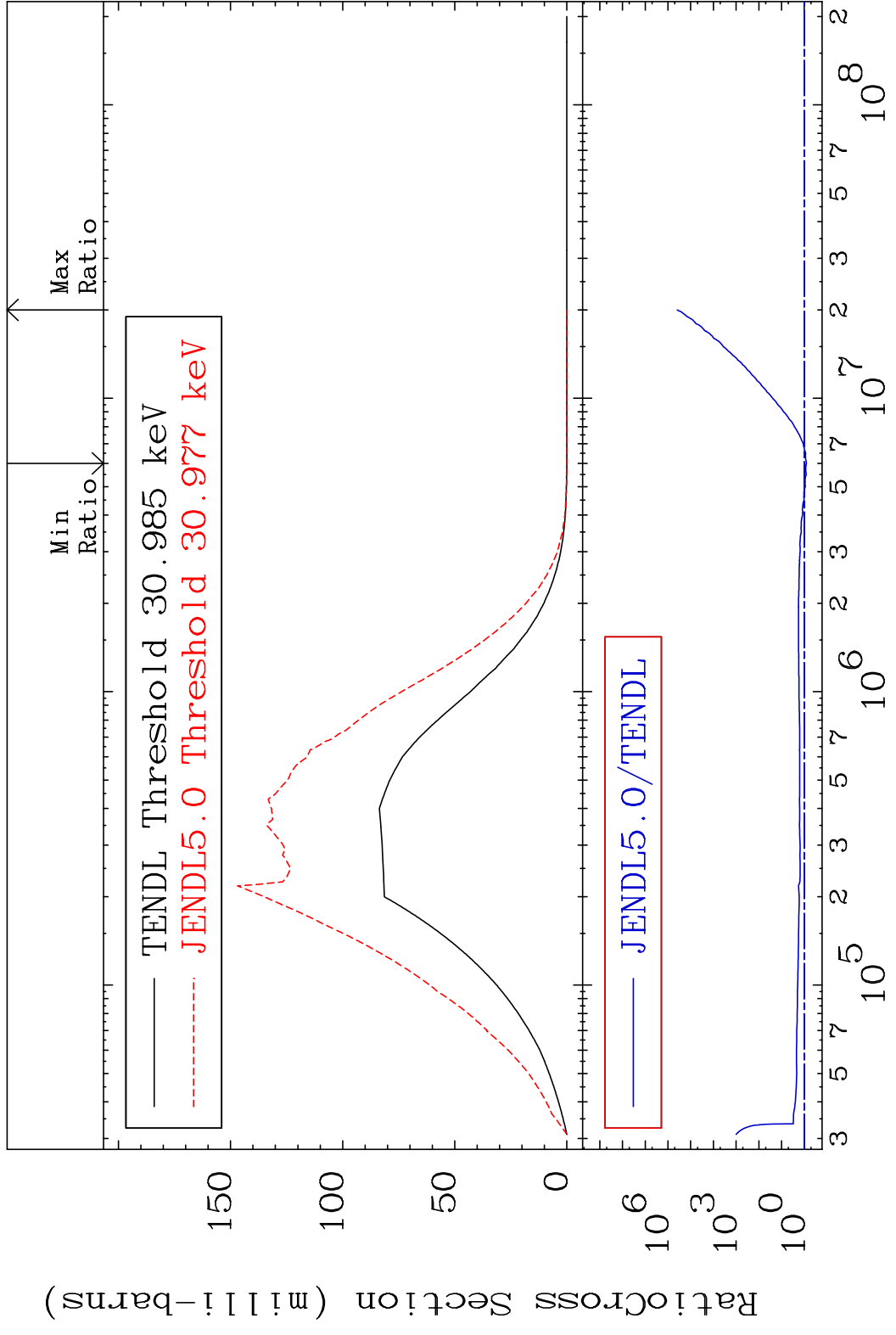
(n,2n) p

76-0s-189

Cross Section -100.0 To -66.06%

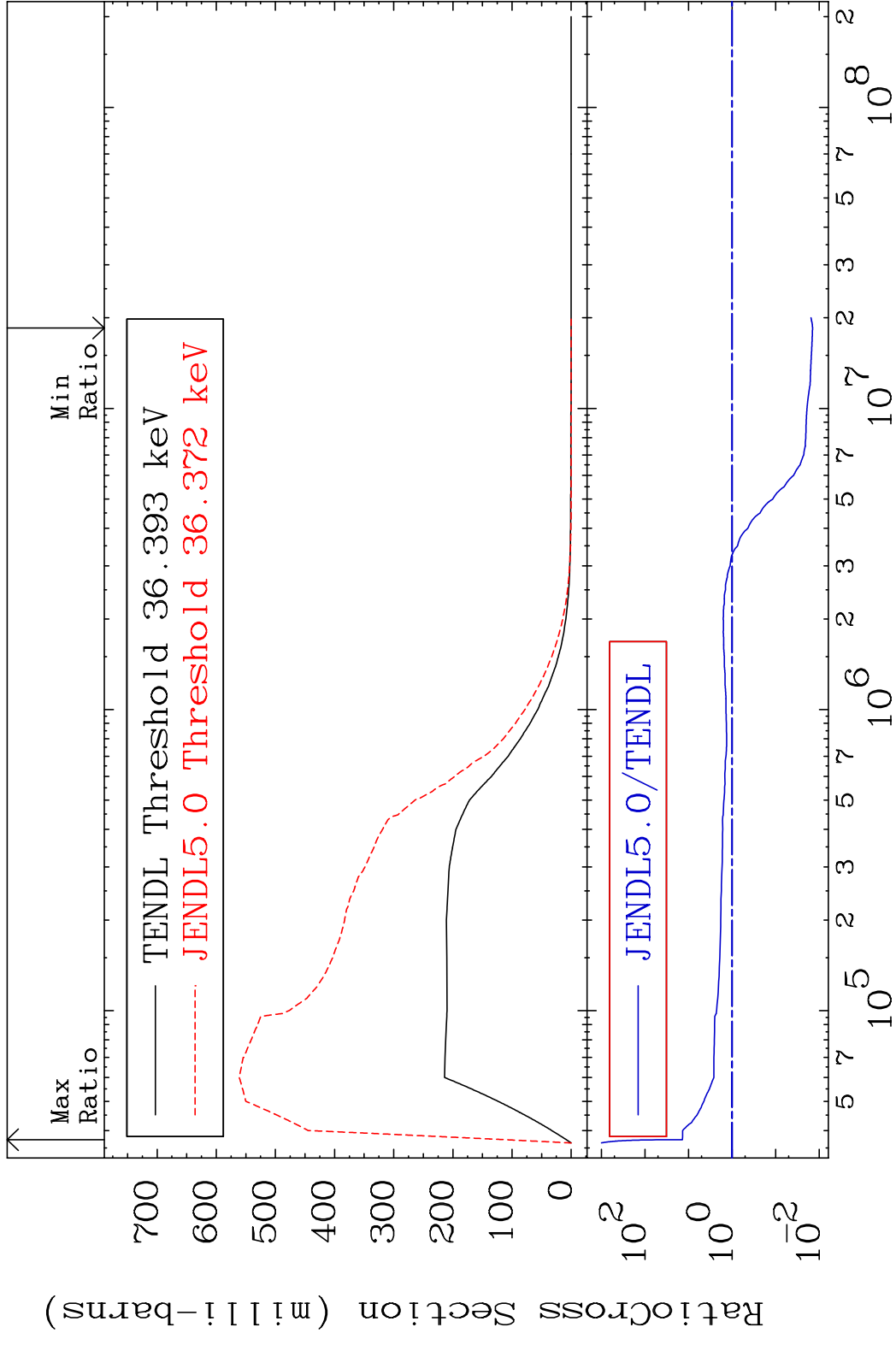


MAT 7640 MT= 51 (n,n') Level 76-0s-189
 Cross Section -19.64 To 9999. %

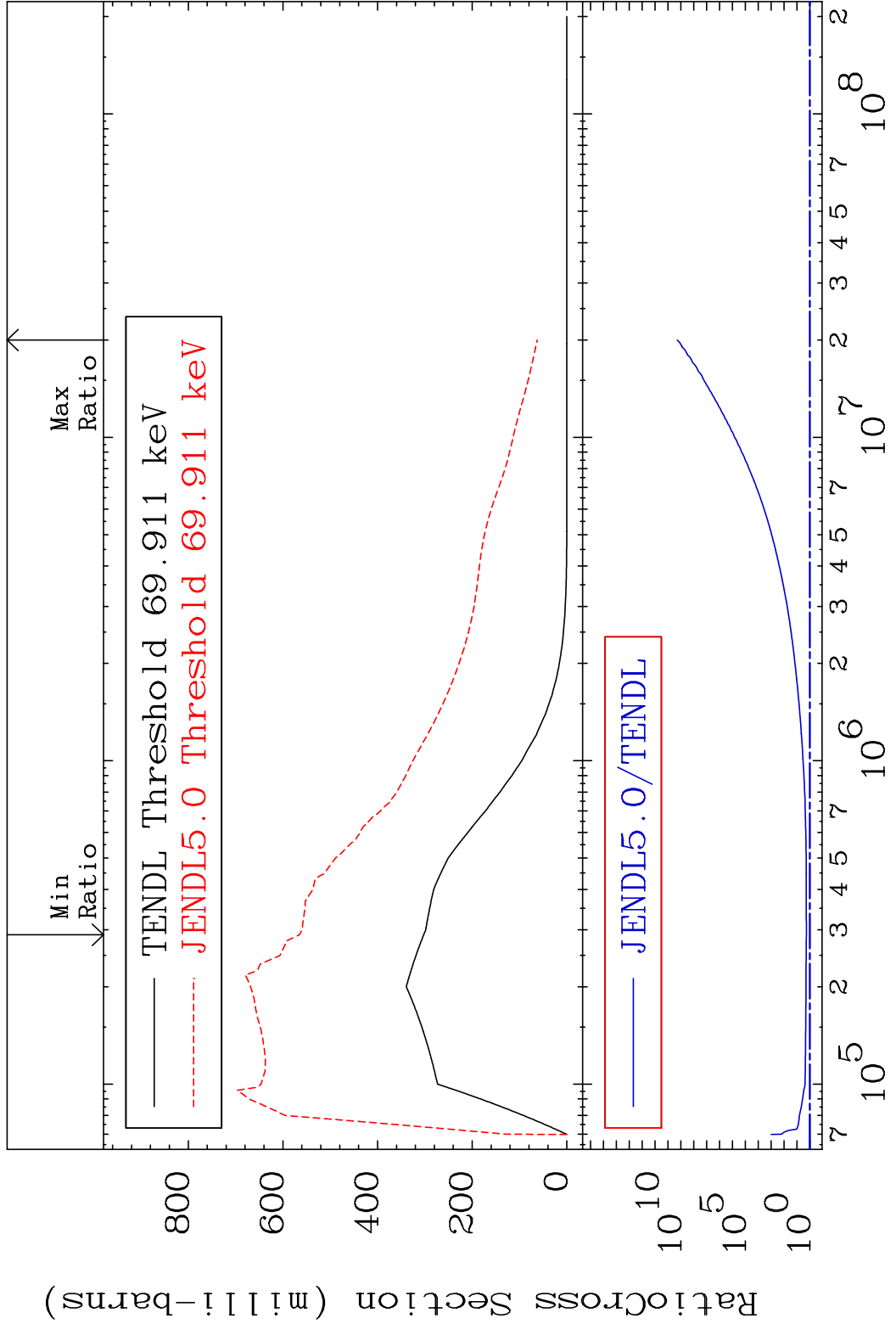


12 Incident Energy (eV) 76-0s-189

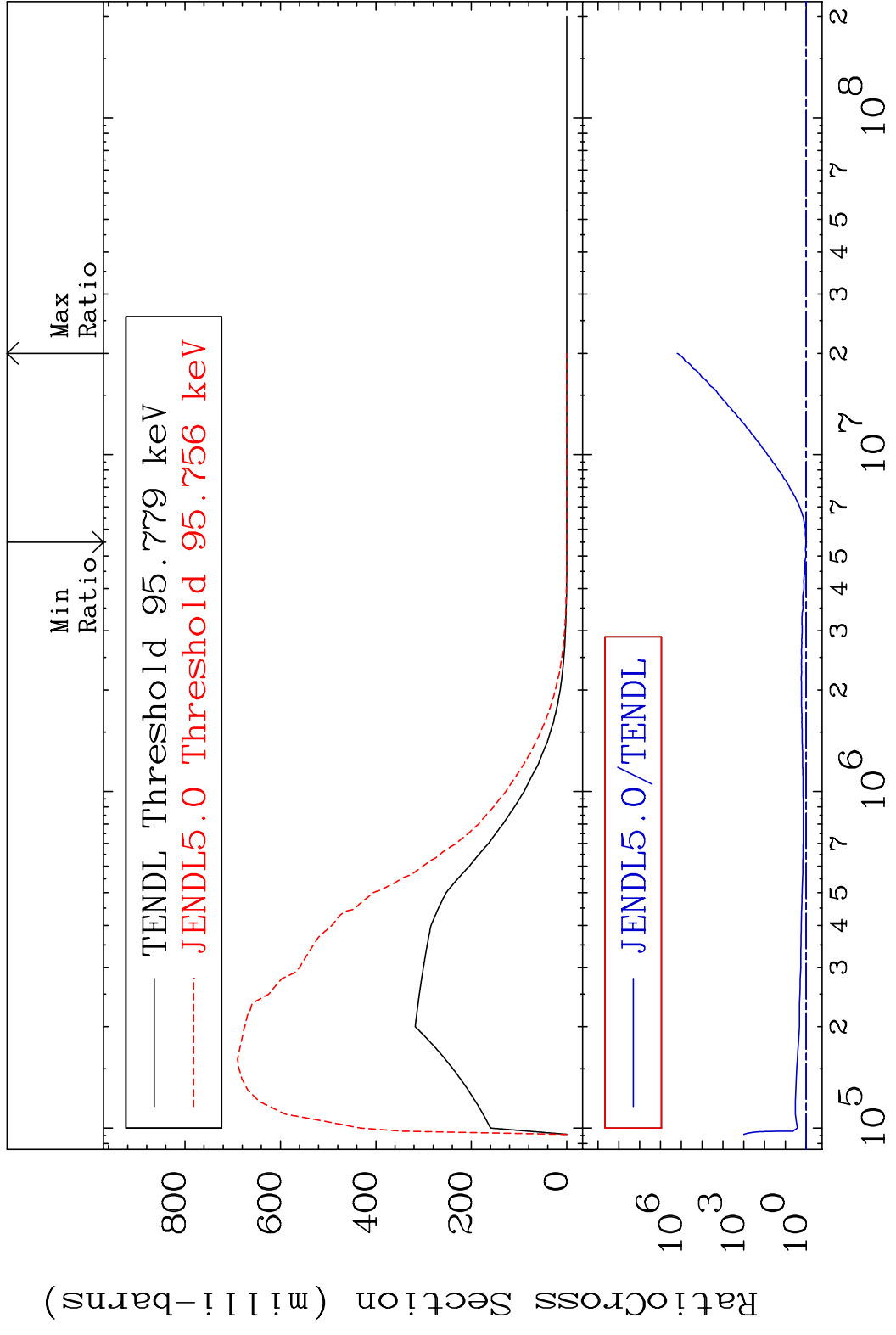
MAT 7640 MT= 52 (n,n') Level 76-0s-189
 Cross Section -98.58 To 1282. %



MAT 7640 MT= 53 (n,n') Level 76-0s-189
 Cross Section 86.84 To 9999. %

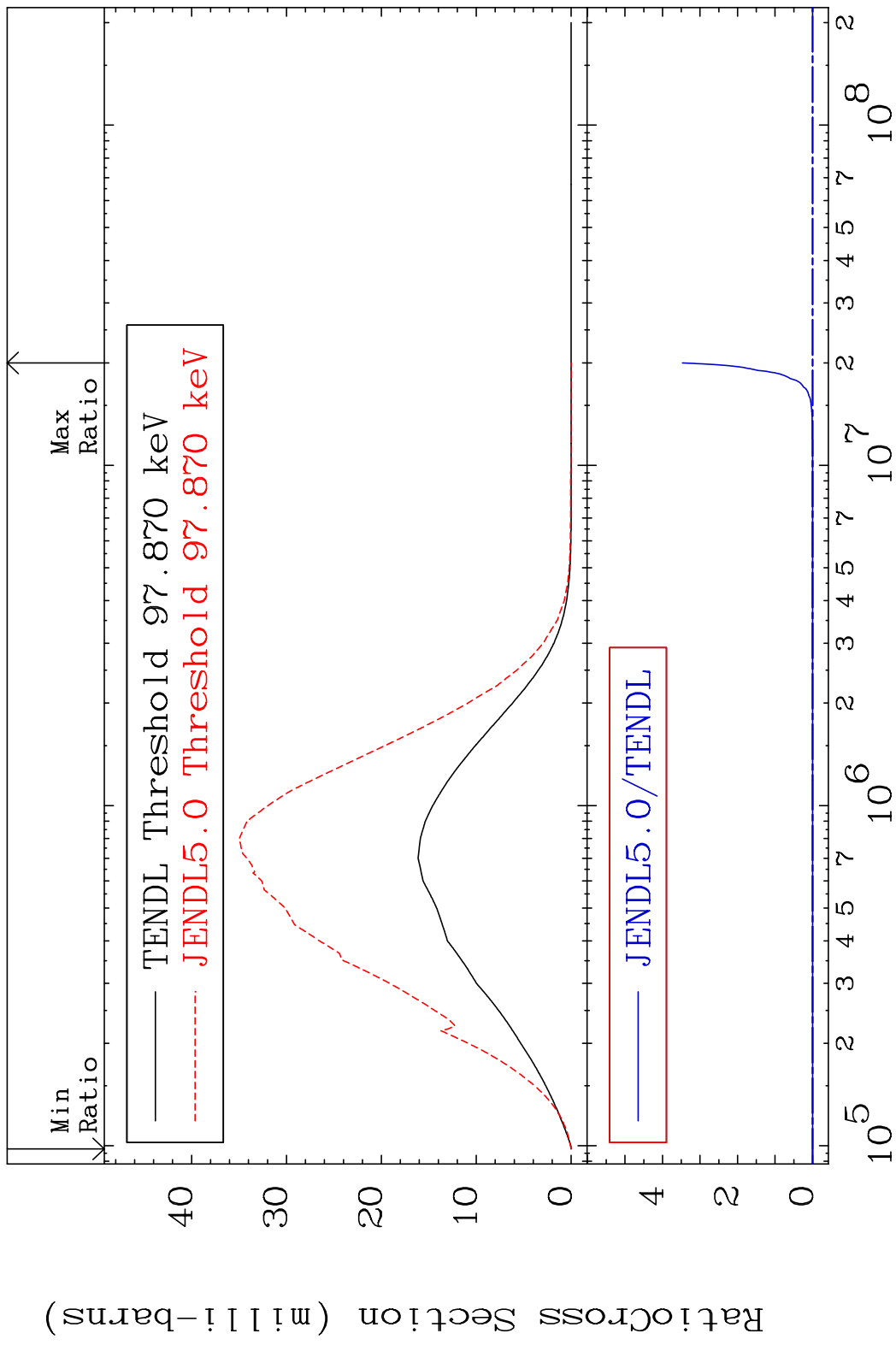


MAT 7640 MT= 54 (n,n') Level 76-0s-189
 Cross Section -1.047 To 9999. %

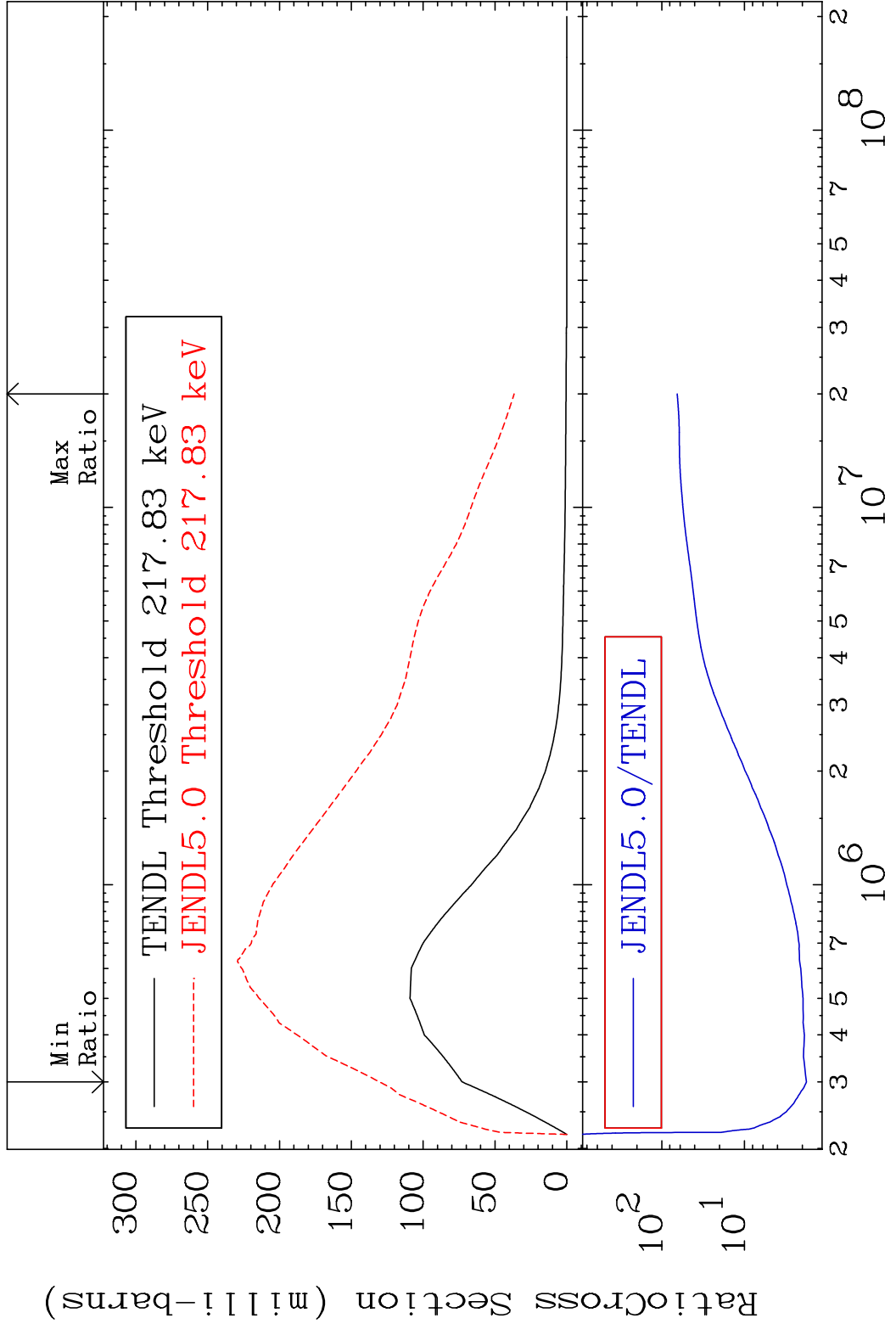


15 Incident Energy (eV) 76-0s-189

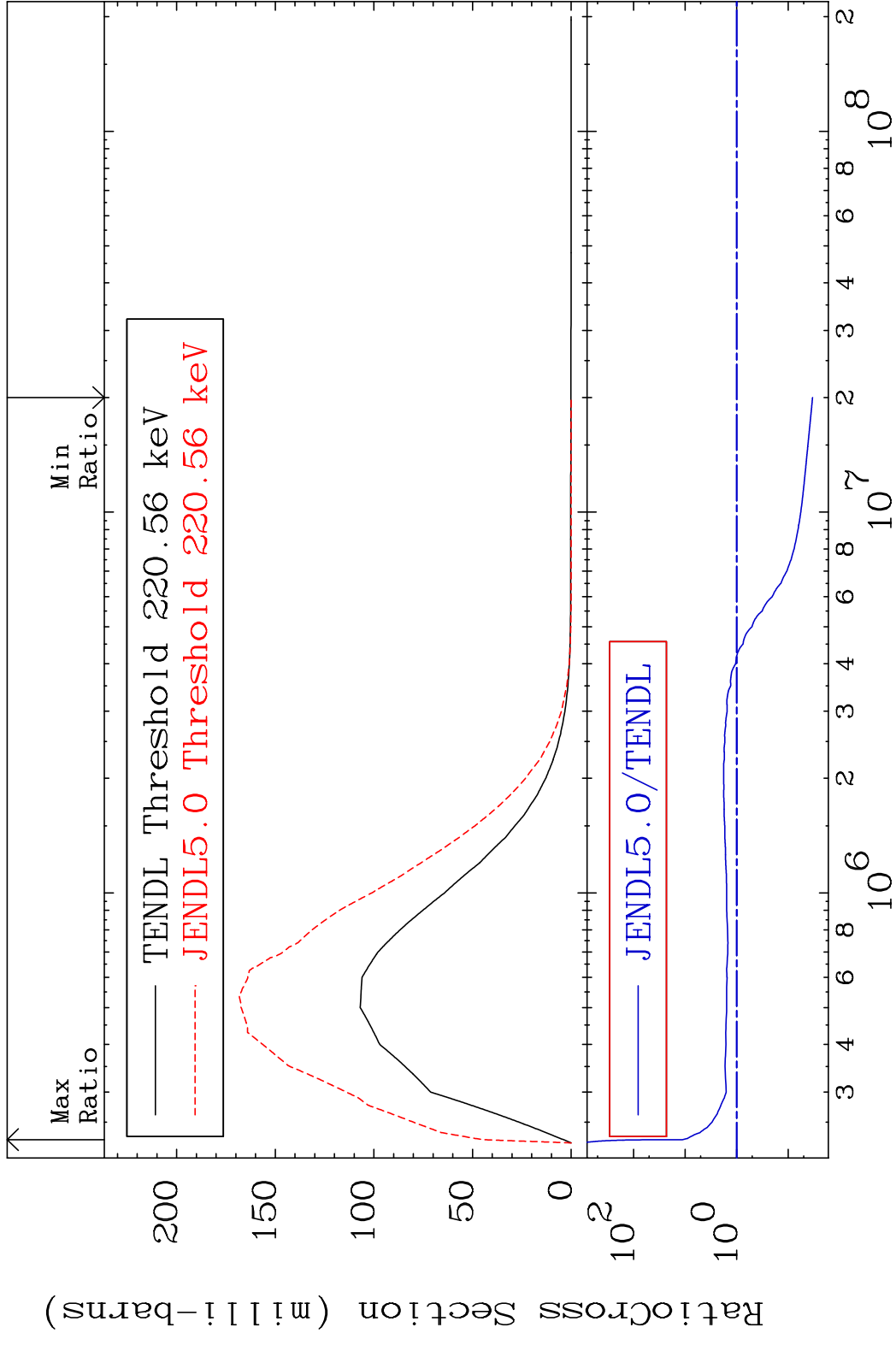
MAT 7640 MT= 55 (n,n') Level 76-0s-189
 Cross Section -100.0 To 9999. %



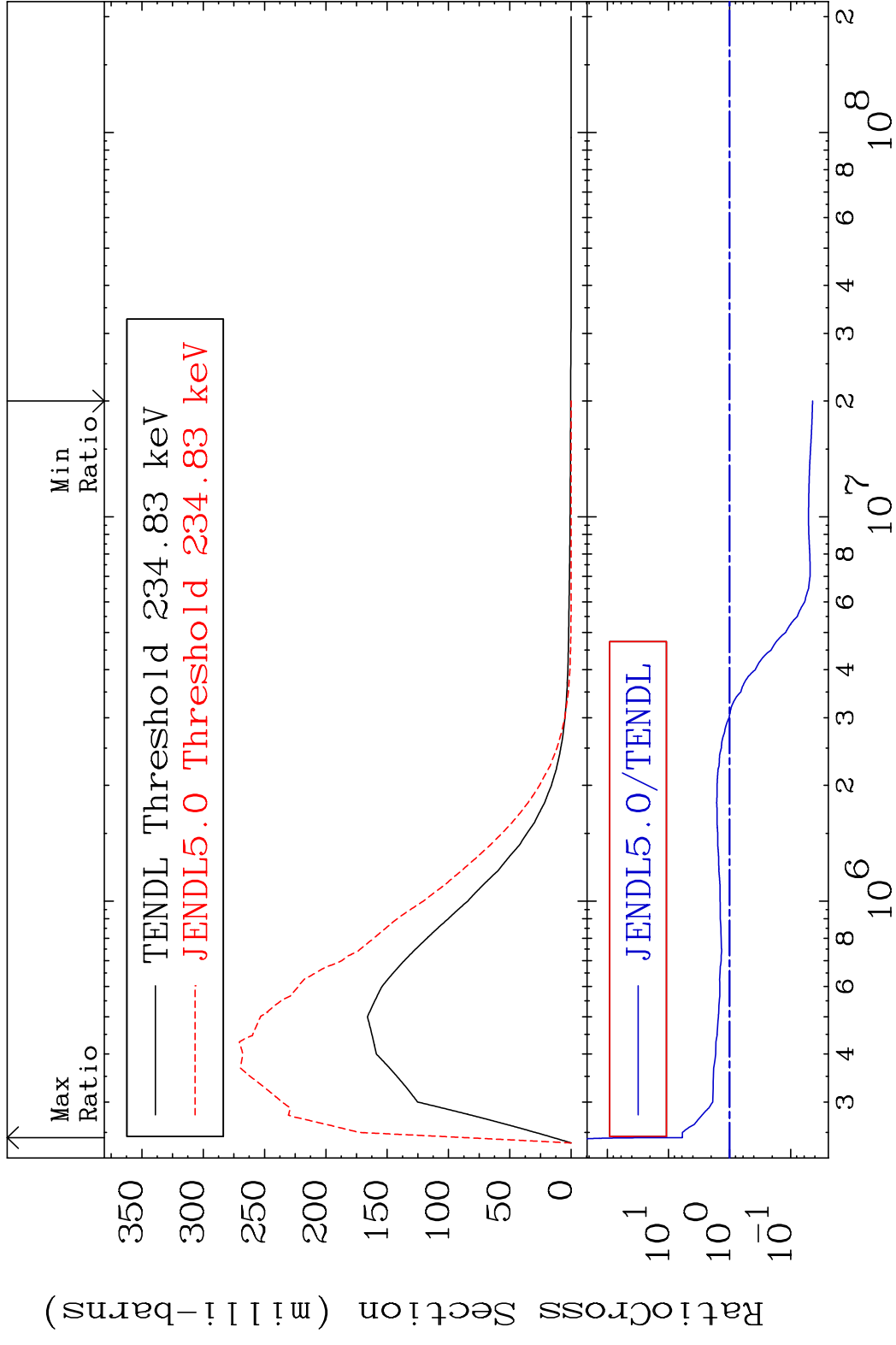
MAT 7640 MT= 56 (n,n') Level 76-0s-189
 Cross Section 78.80 To 6412. %



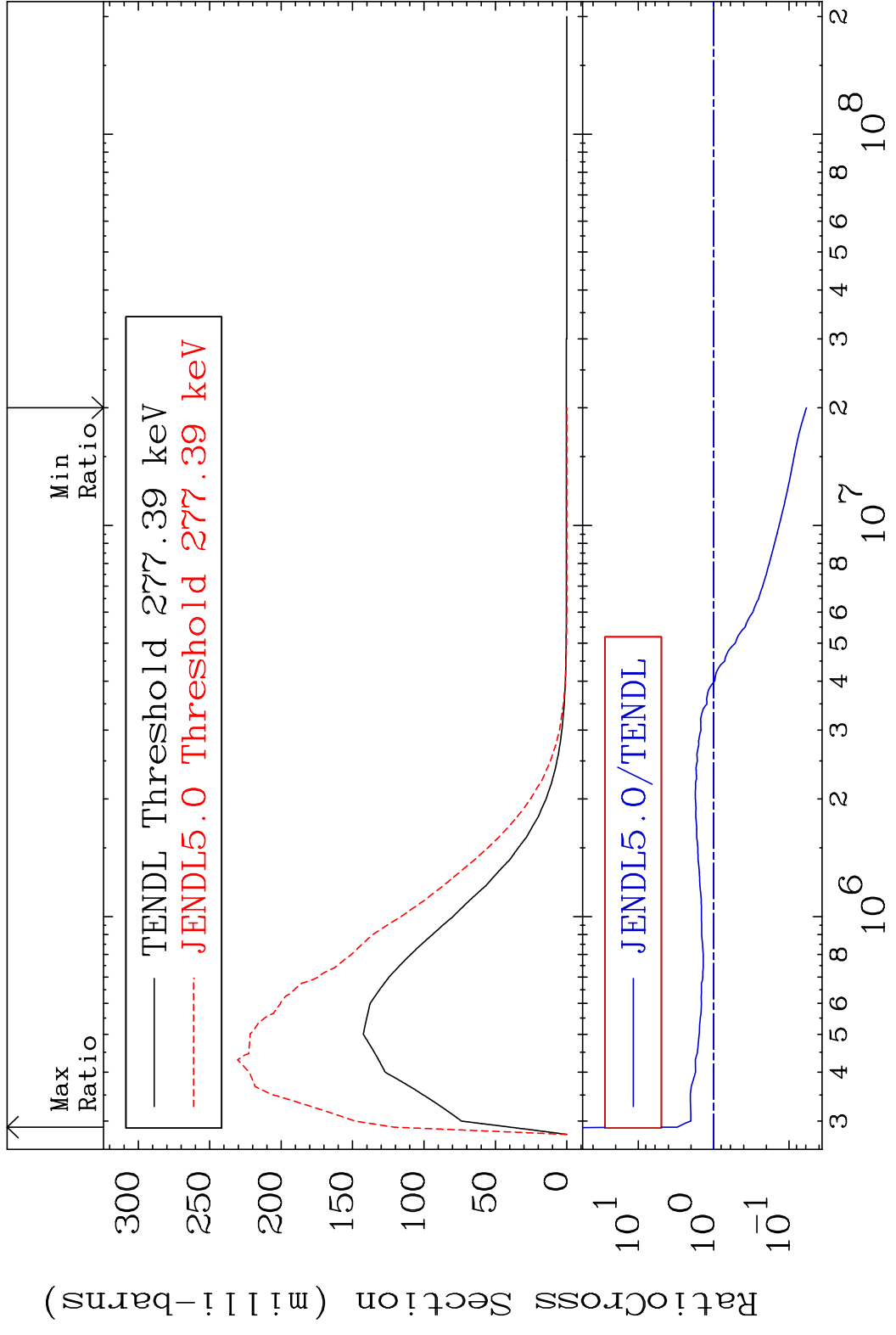
MAT 7640 MT= 57 (n,n') Level 76-0s-189
 Cross Section -96.61 To 1034. %



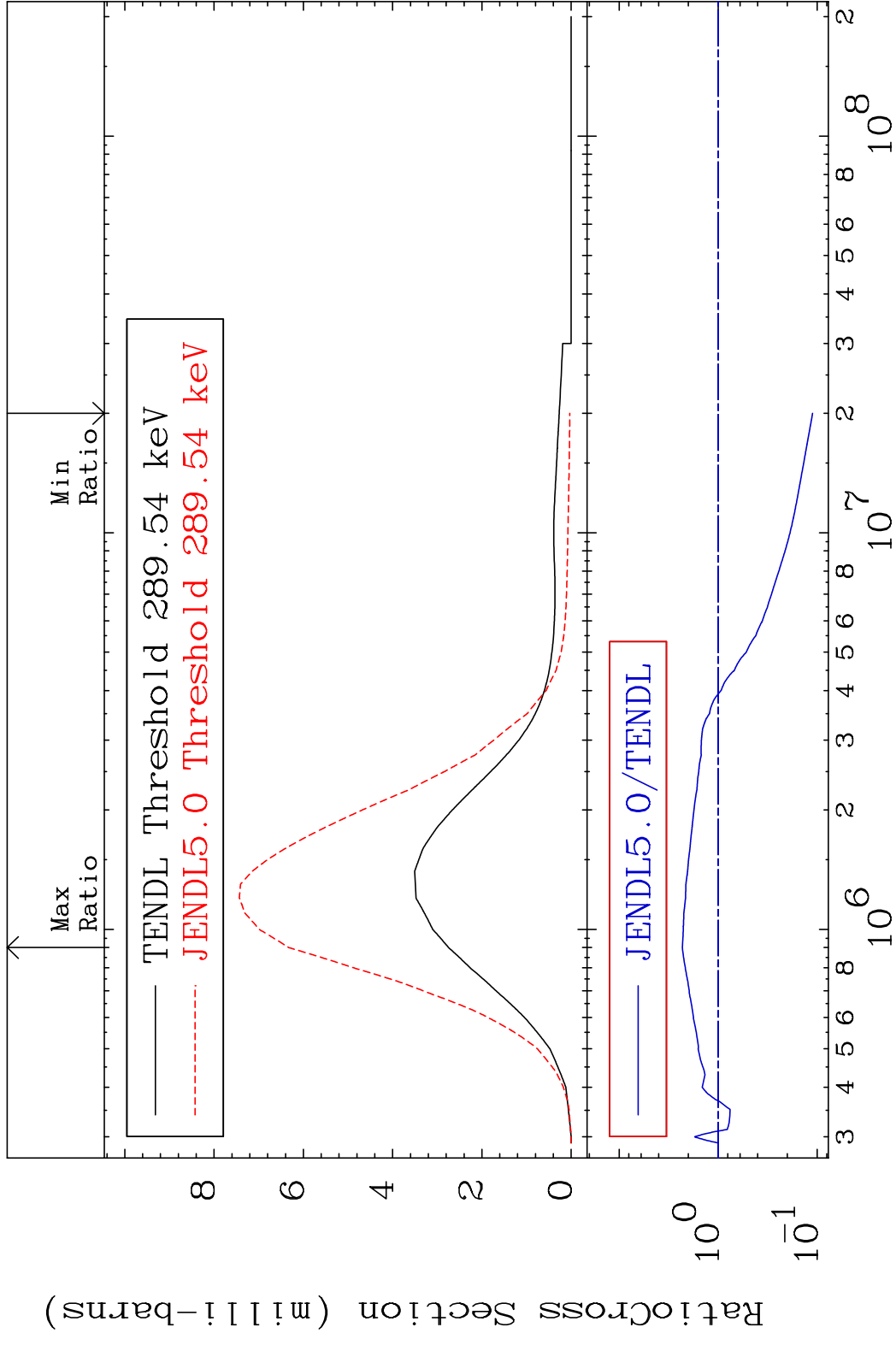
MAT 7640 MT= 58 (n,n') Level 76-0s-189
 Cross Section -95.62 To 492.9 %



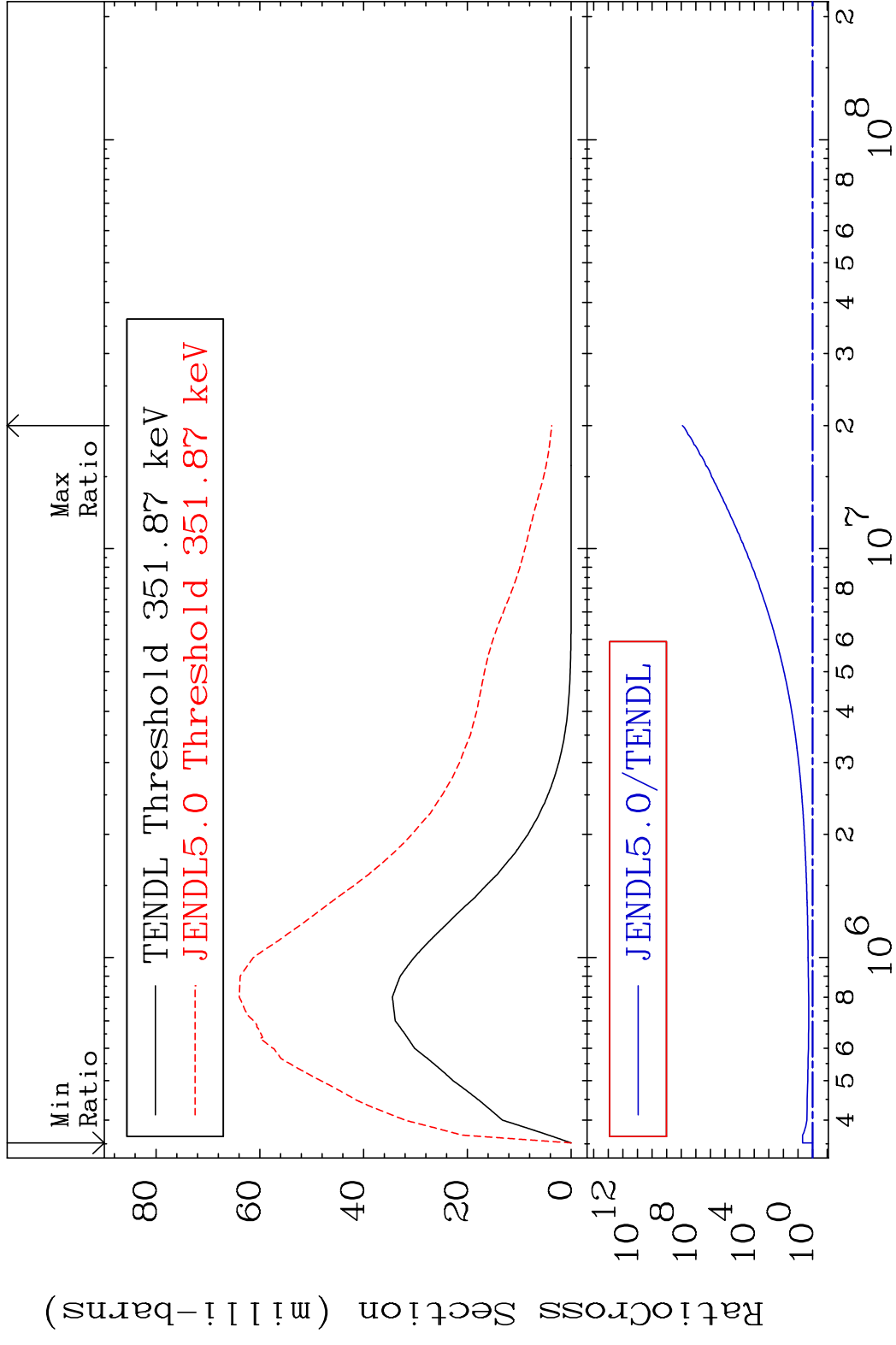
MAT 7640 MT= 59 (n,n') Level 76-0s-189
 Cross Section -94.11 To 205.6 %



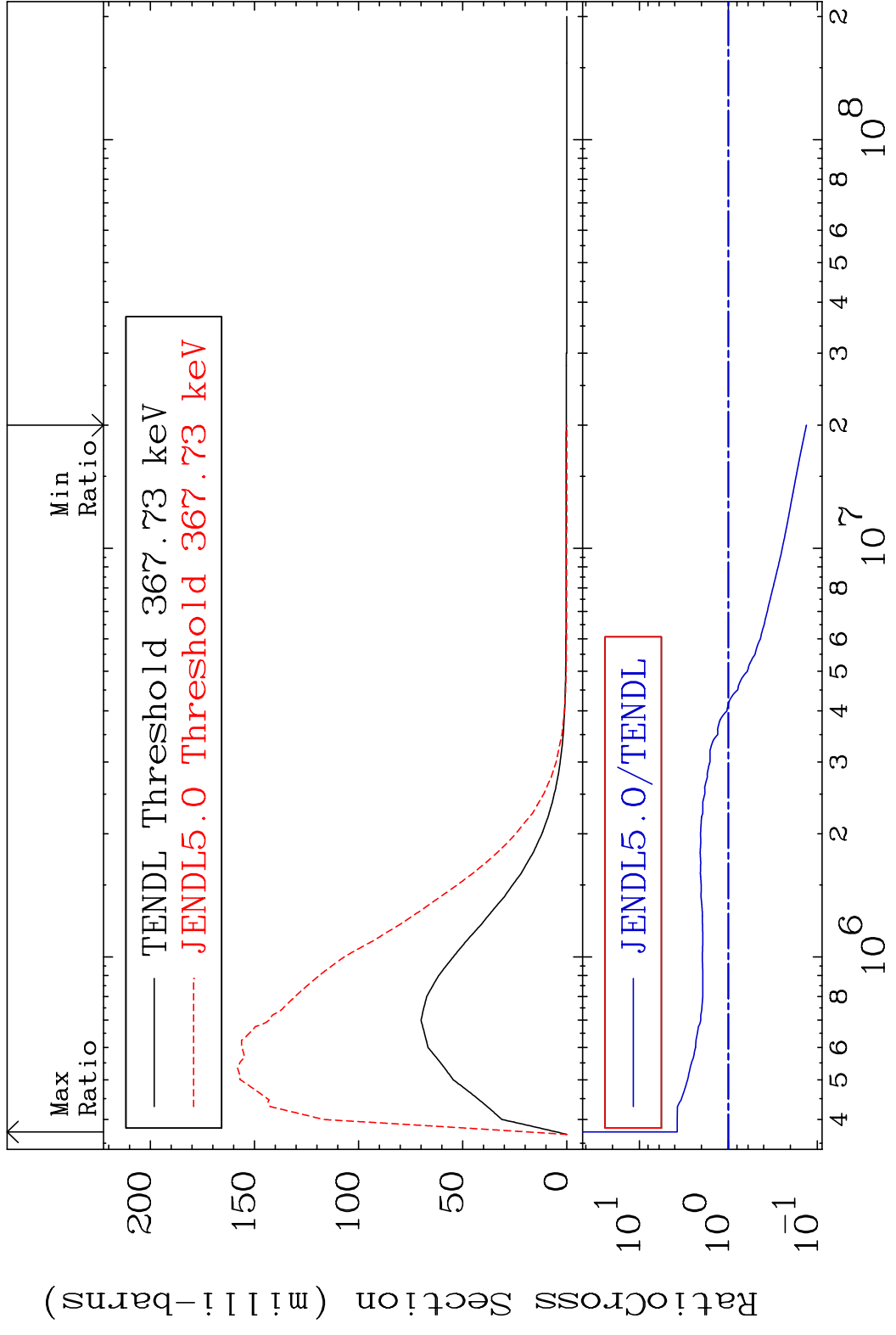
MAT 7640 MT= 60 (n, n') Level 76-0s-189
 Cross Section -88.88 To 130.2 %



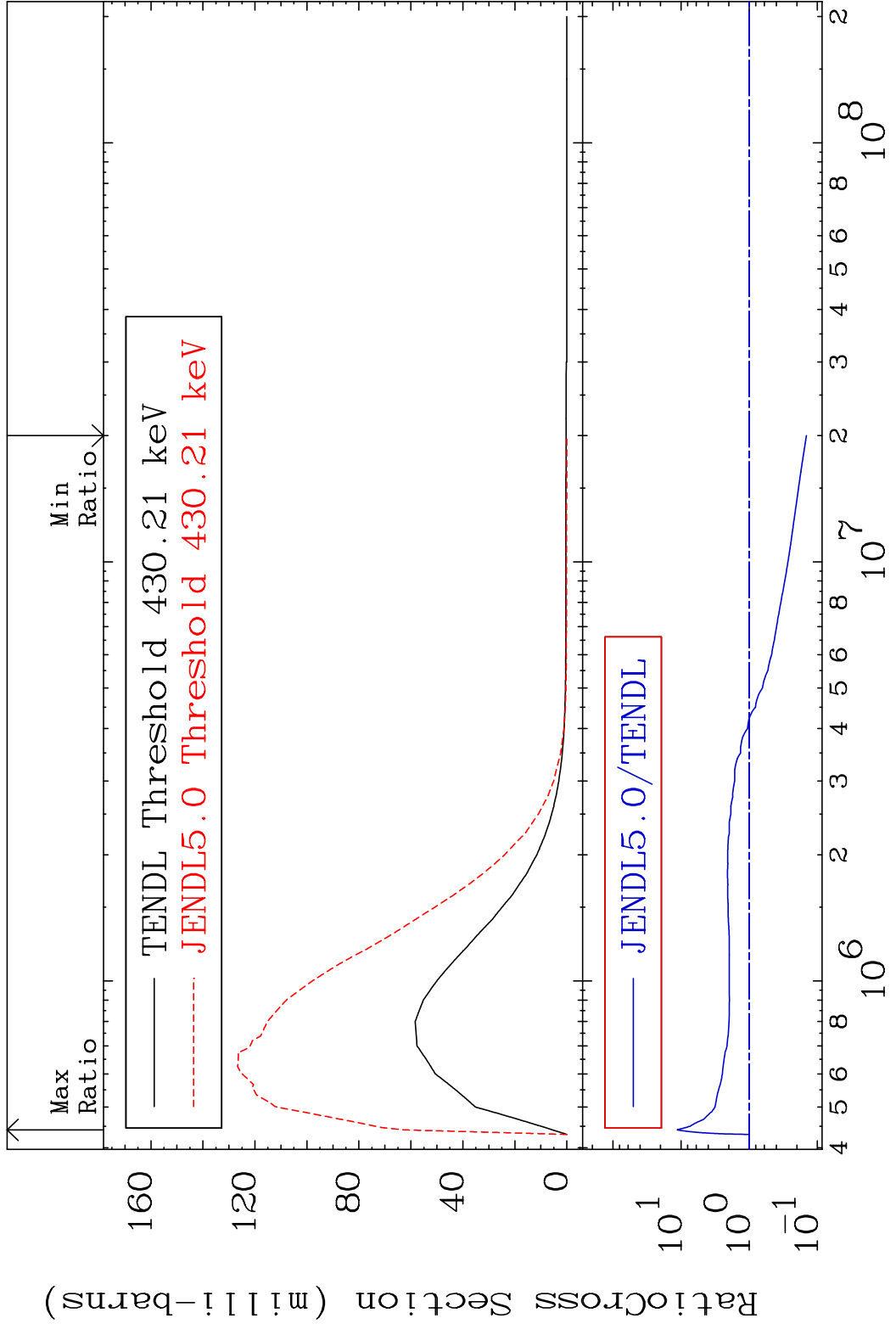
MAT 7640 MT= 61 (n, n') Level 76-0s-189
 Cross Section 0.000 To 9999. %



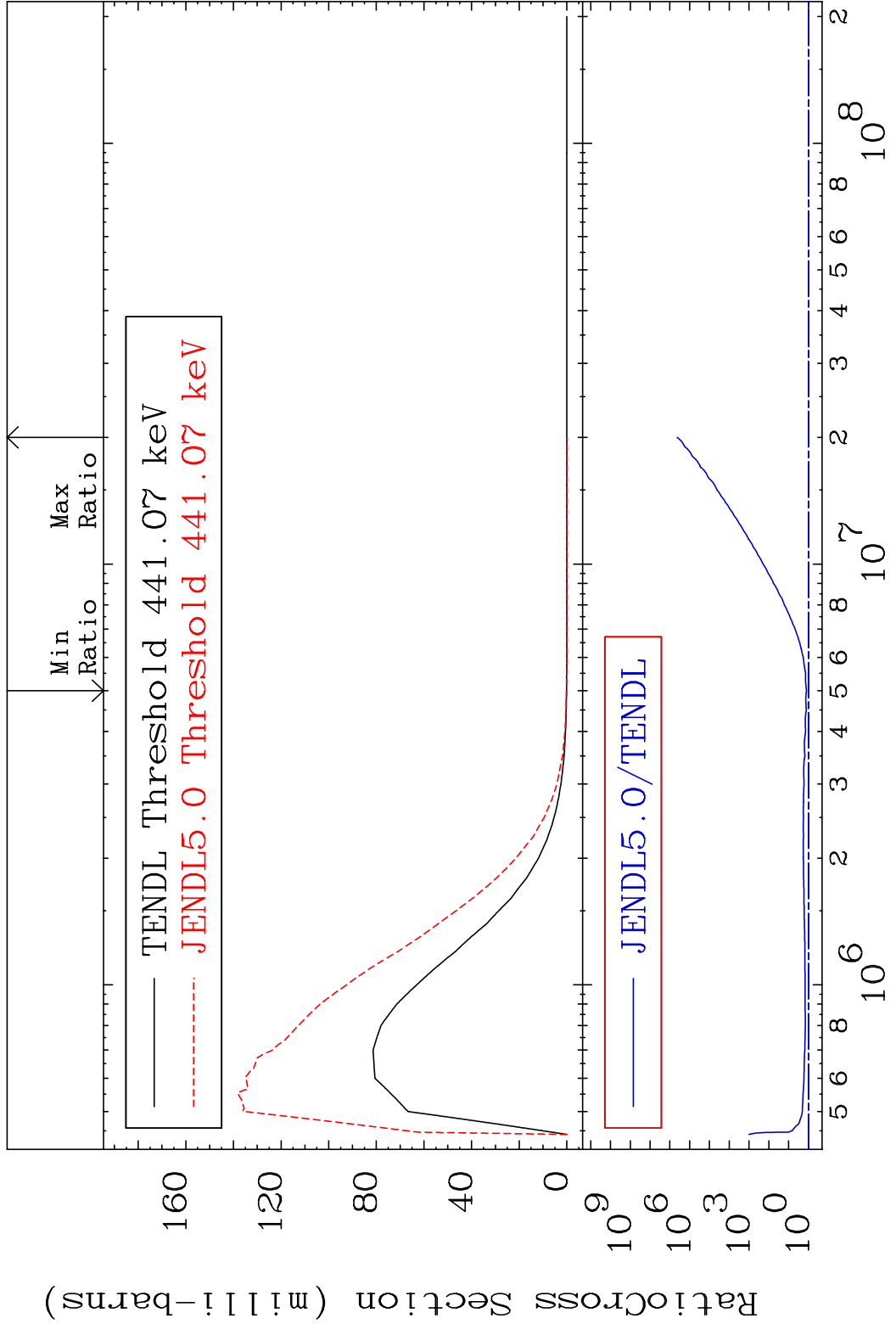
MAT 7640 MT= 62 (n,n') Level 76-0s-189
 Cross Section -86.76 To 275.6 %



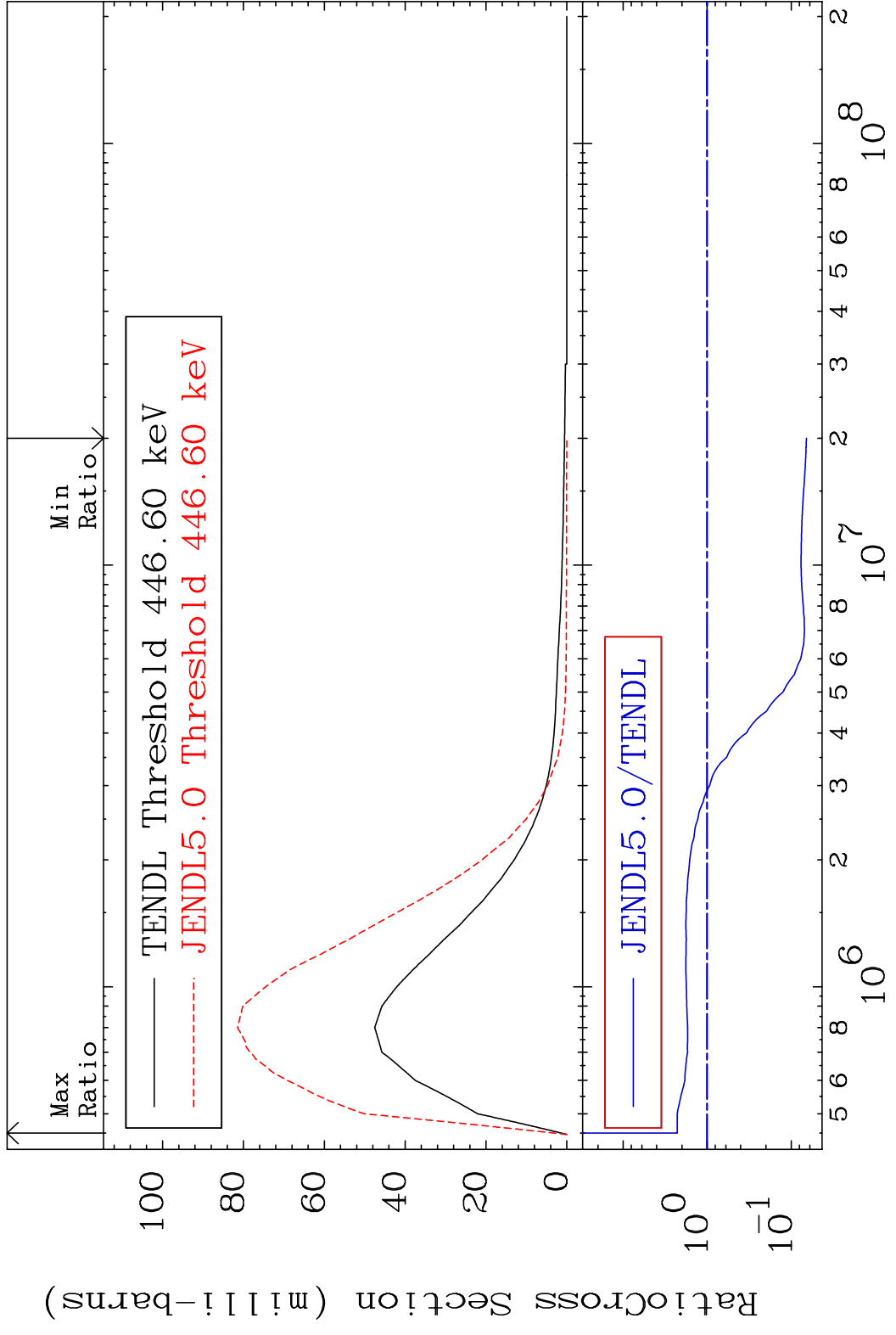
MAT 7640 MT= 63 (n, n') Level 76-0s-189
 Cross Section -85.51 To 1041. %



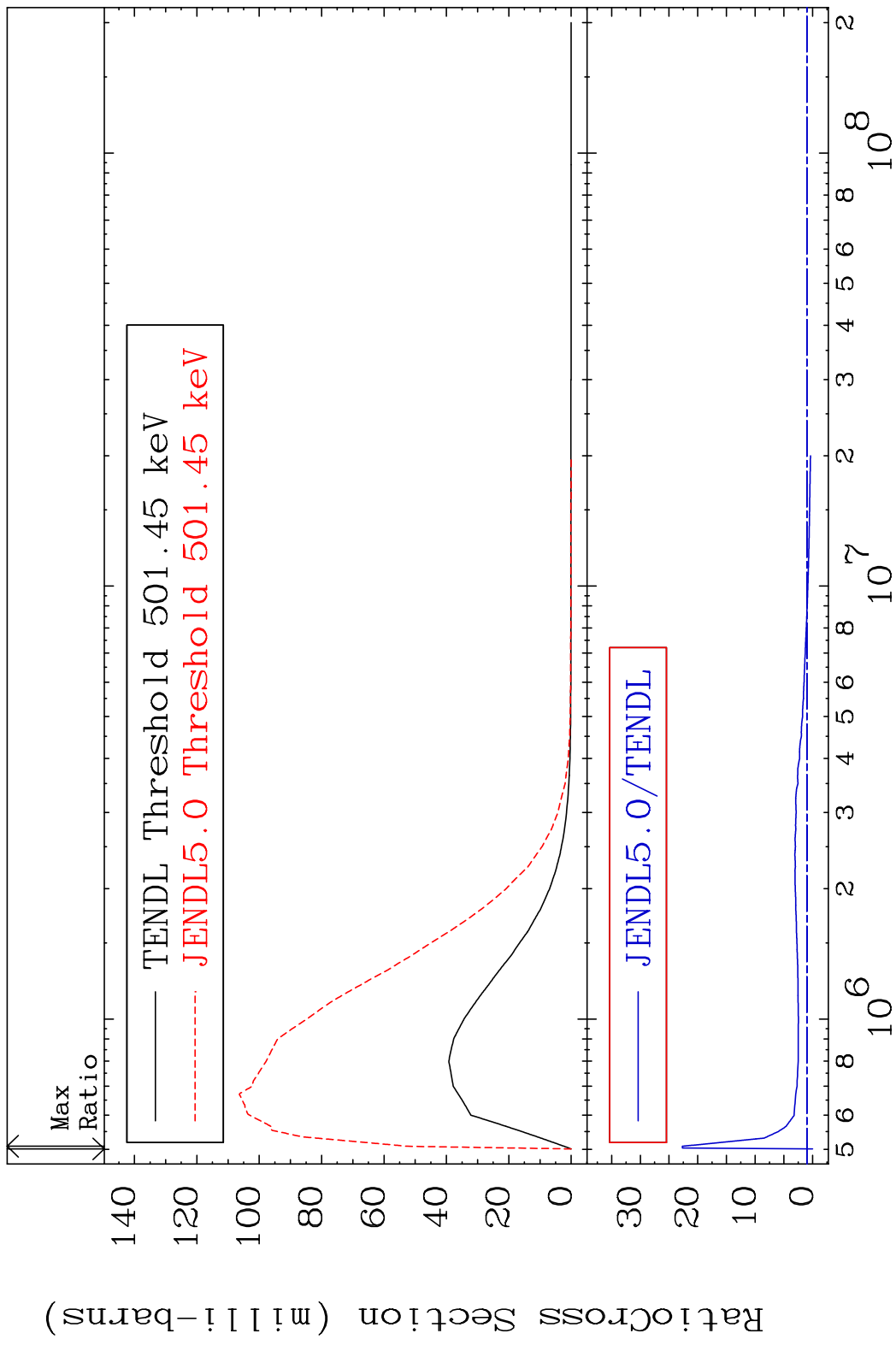
MAT 7640 MT= 64 (n, n') Level 76-0s-189
 Cross Section 26.07 To 9999. %



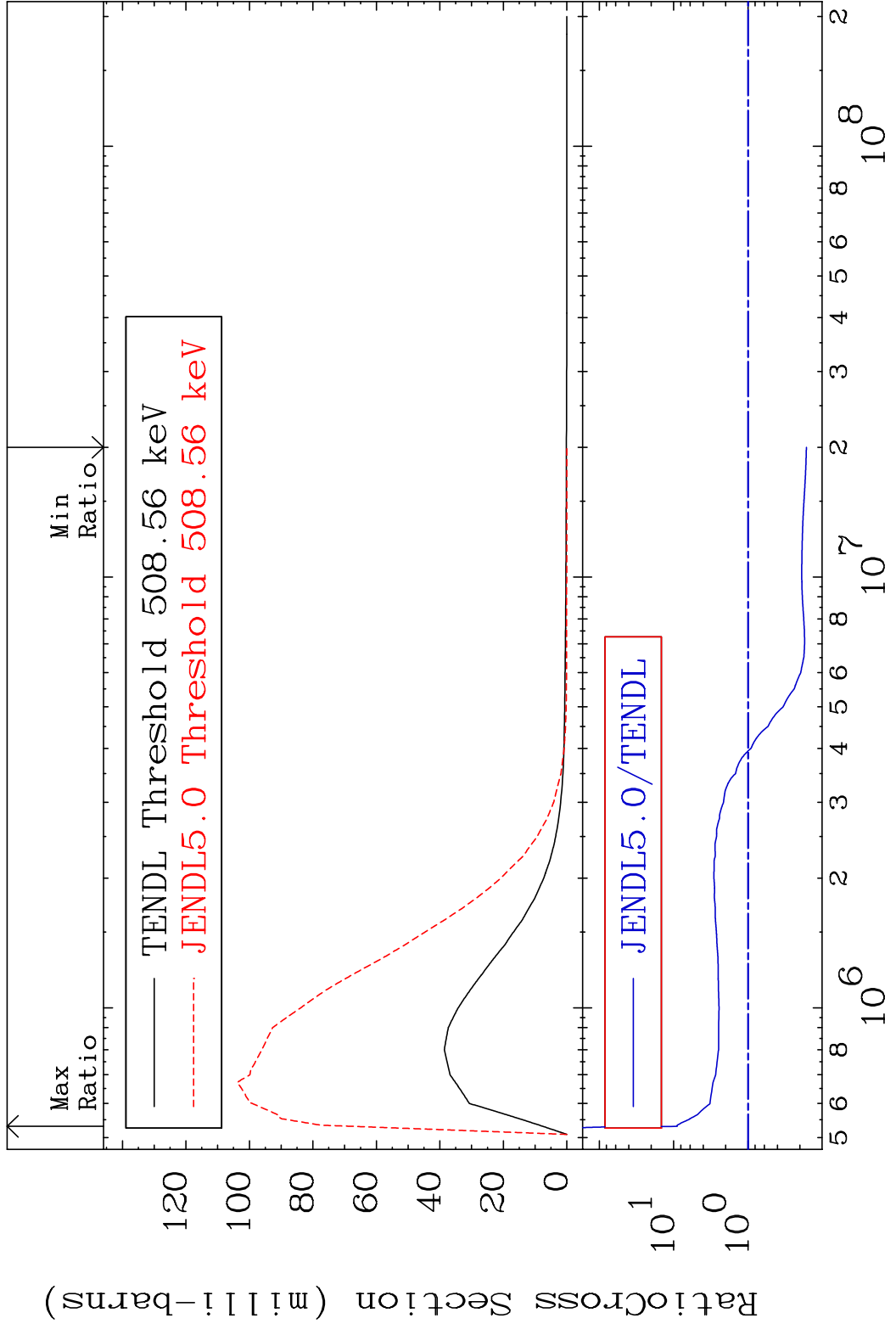
MAT 7640 MT= 65 (n, n') Level 76-0s-189
 Cross Section -93.41 To 127.6 %



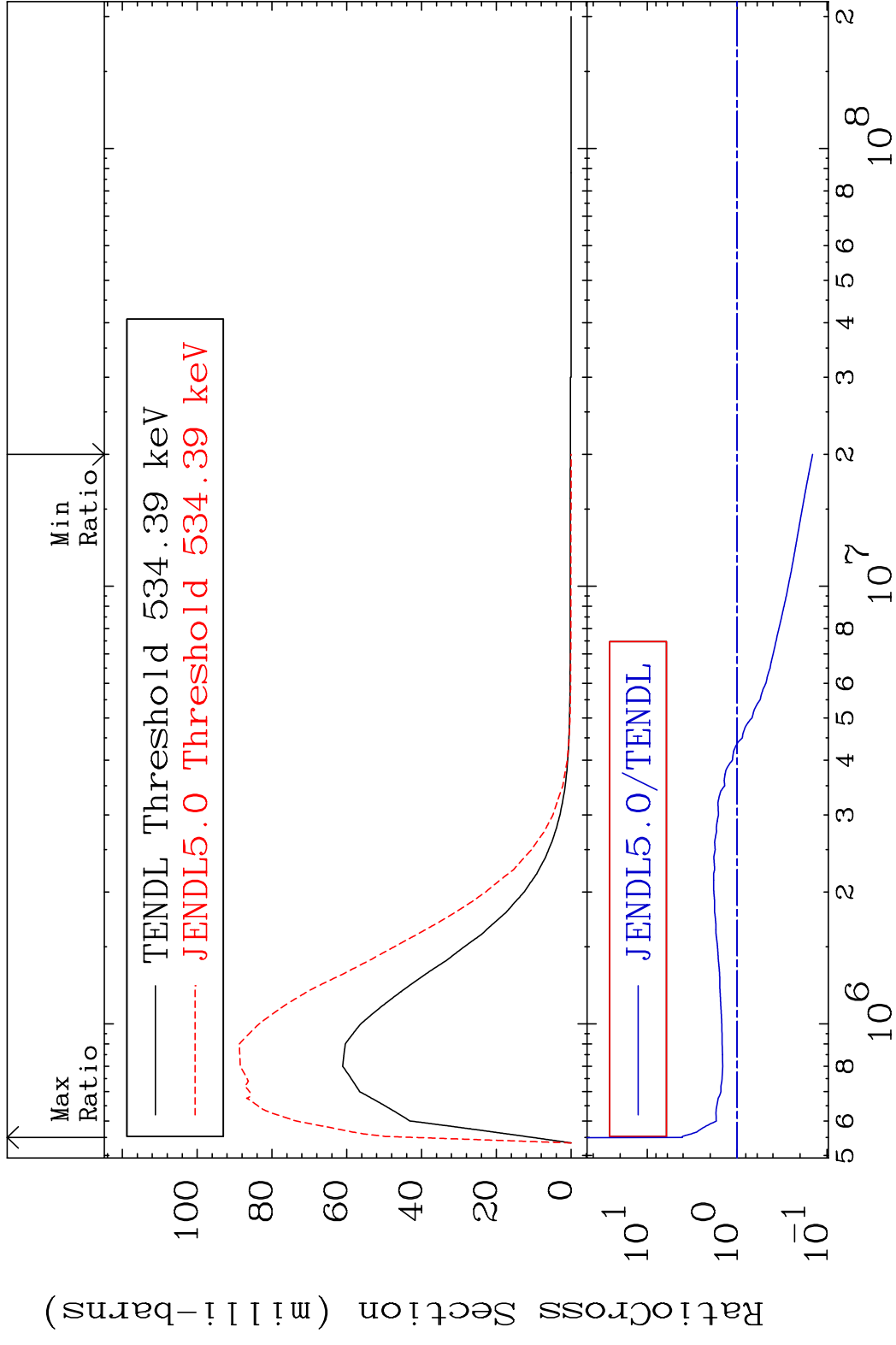
MAT 7640 MT= 66 (n,n') Level 76-0s-189
 Cross Section -100.0 To 2168. %



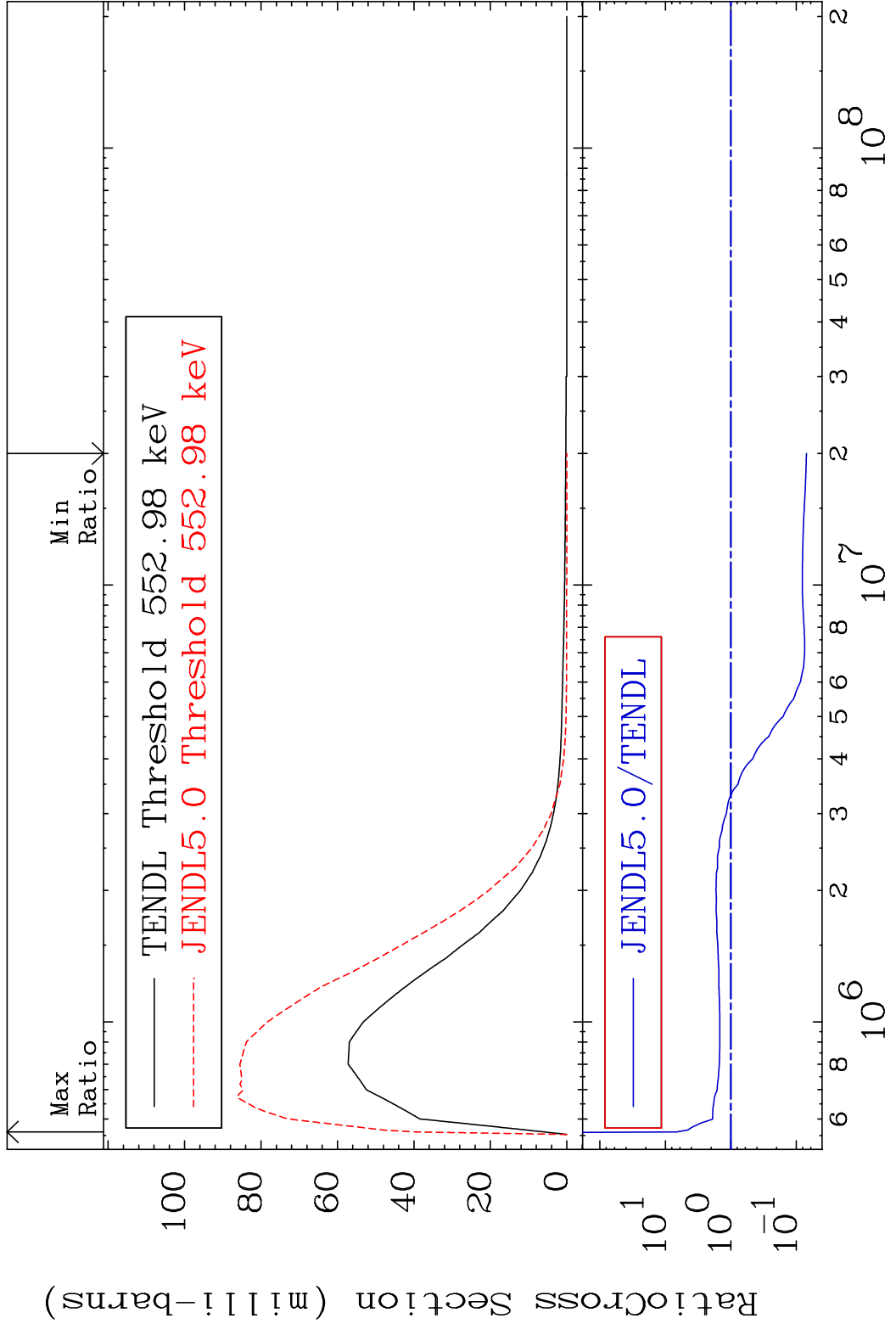
MAT 7640 MT= 67 (n, n') Level 76-0s-189
 Cross Section -83.63 To 795.1 %



MAT 7640 MT= 68 (n, n') Level 76-0s-189
 Cross Section -85.50 To 307.3 %

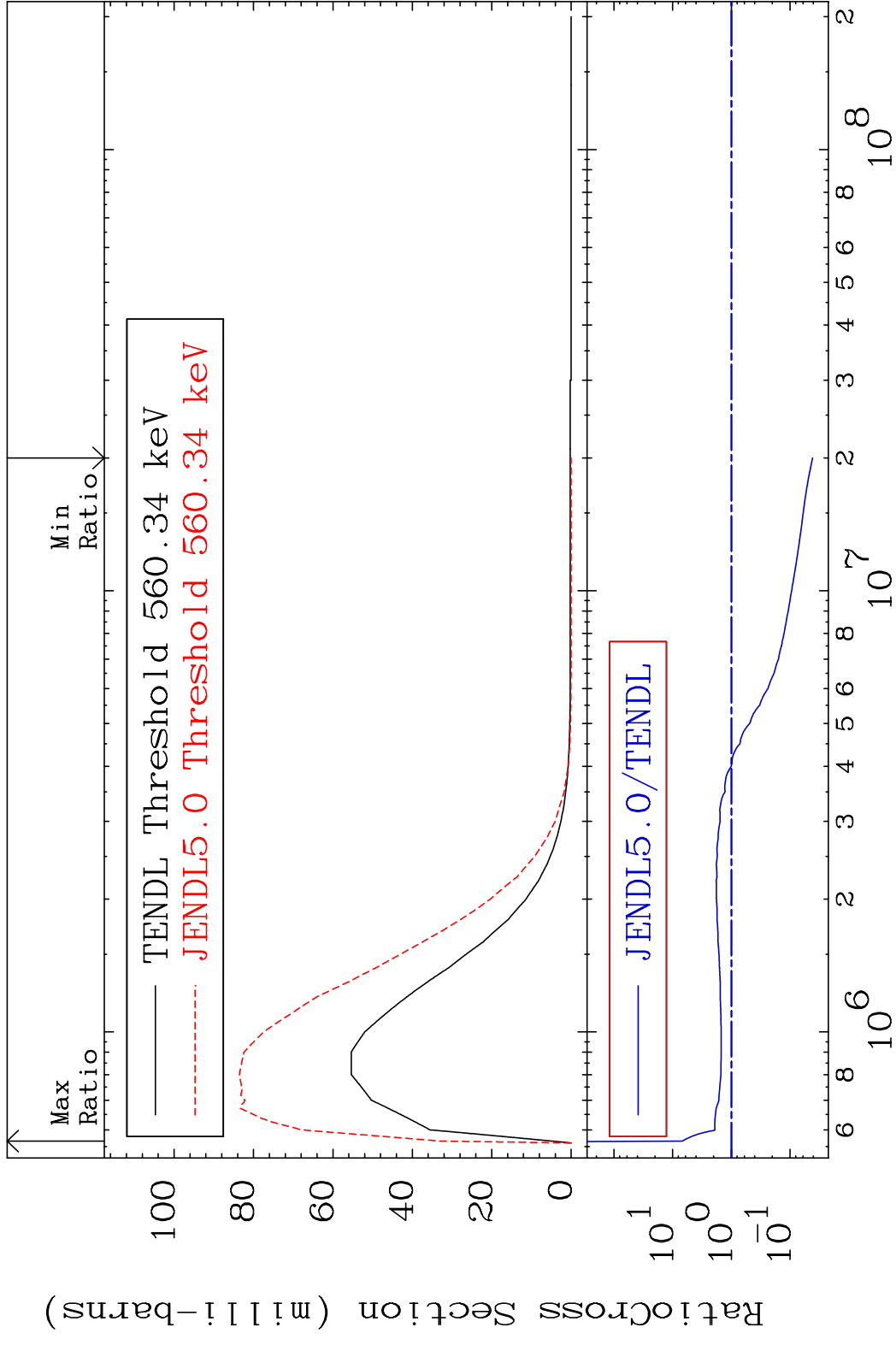


MAT 7640 MT= 69 (n, n') Level 76-0s-189
 Cross Section -93.00 To 559.8 %

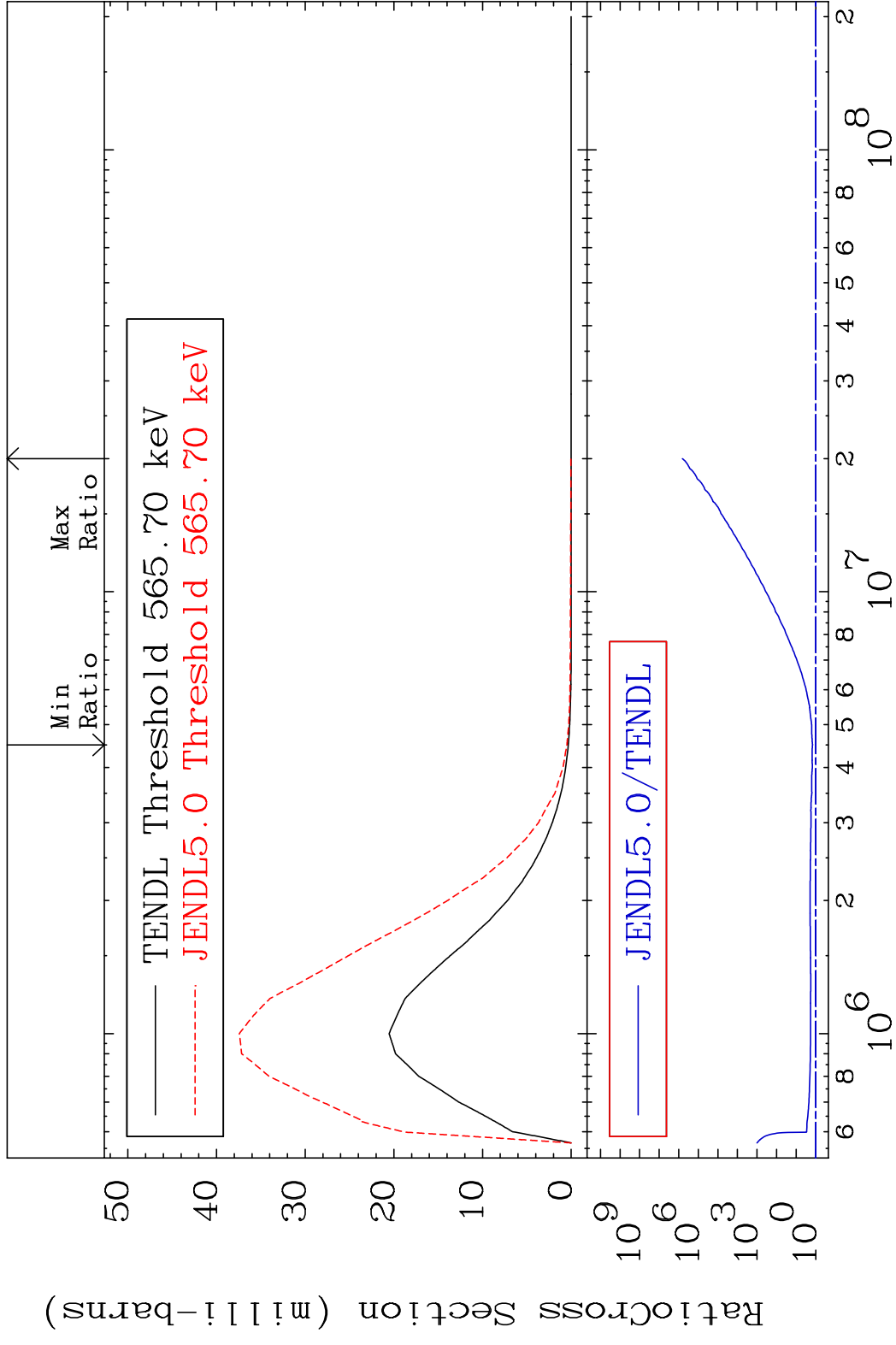


30 Incident Energy (eV) 76-0s-189

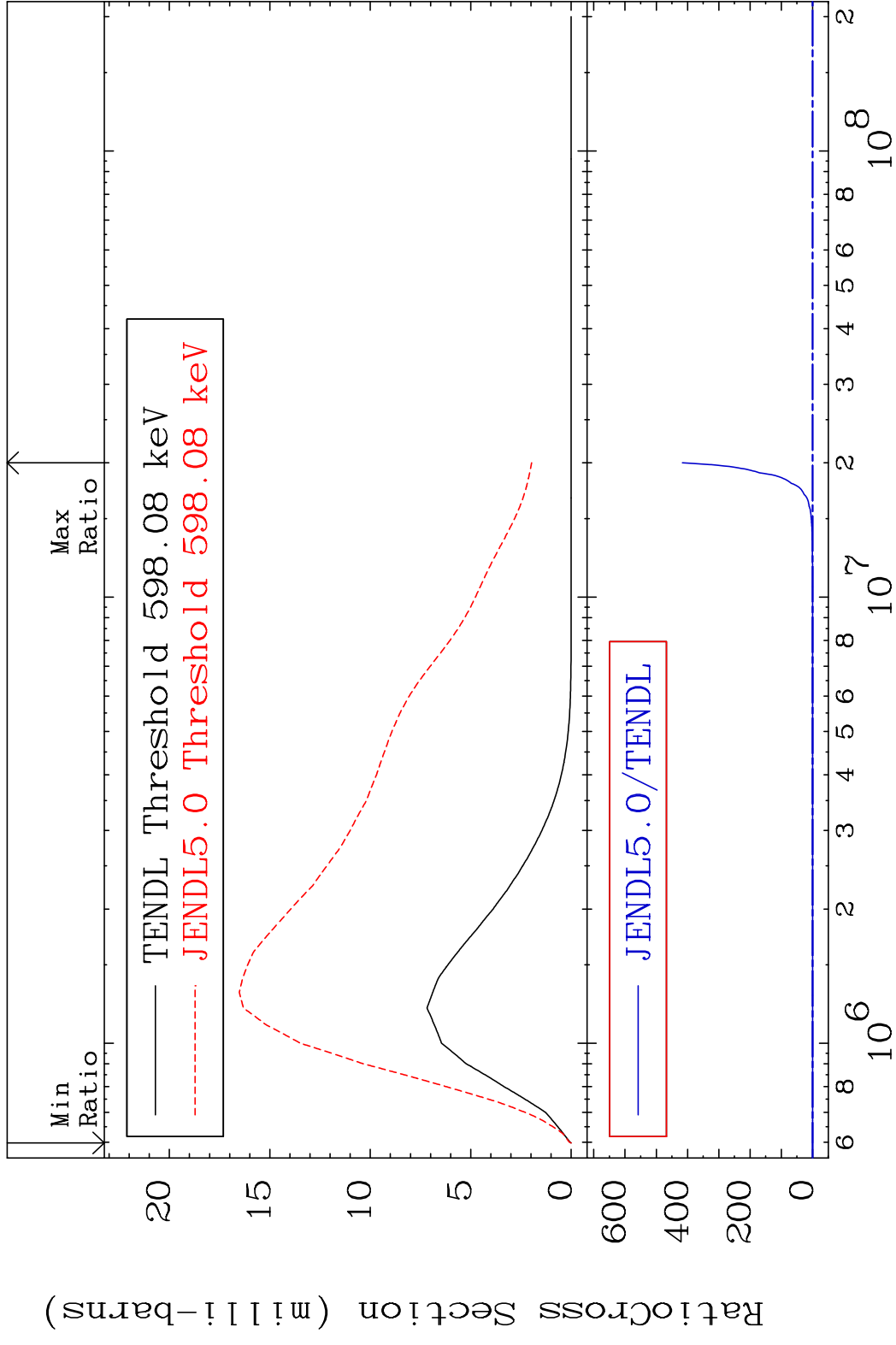
MAT 7640 MT= 70 (n, n') Level 76-0s-189
 Cross Section -95.88 To 584.1 %



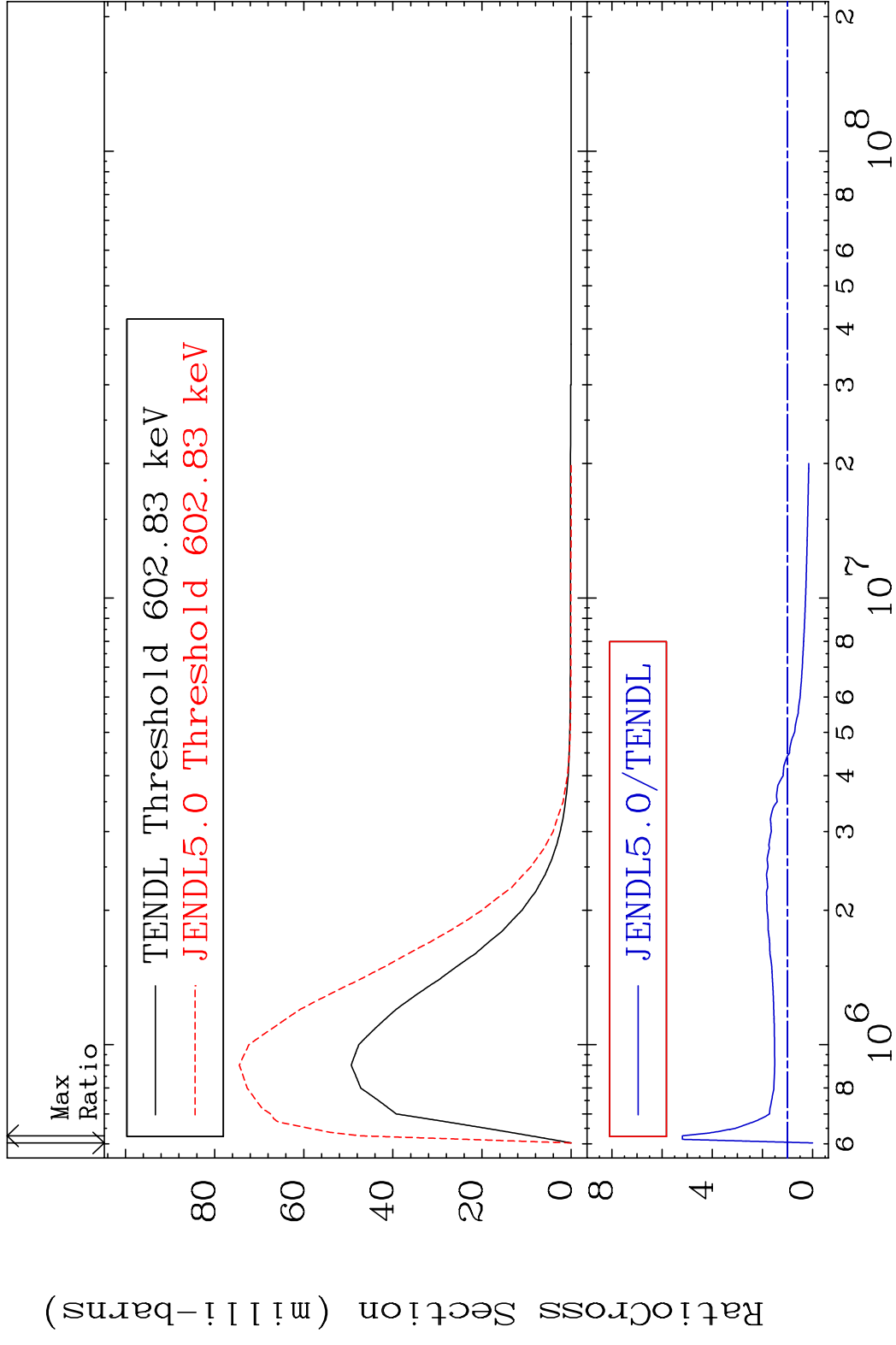
MAT 7640 MT= 71 (n, n') Level 76-0s-189
 Cross Section 44.80 To 9999. %



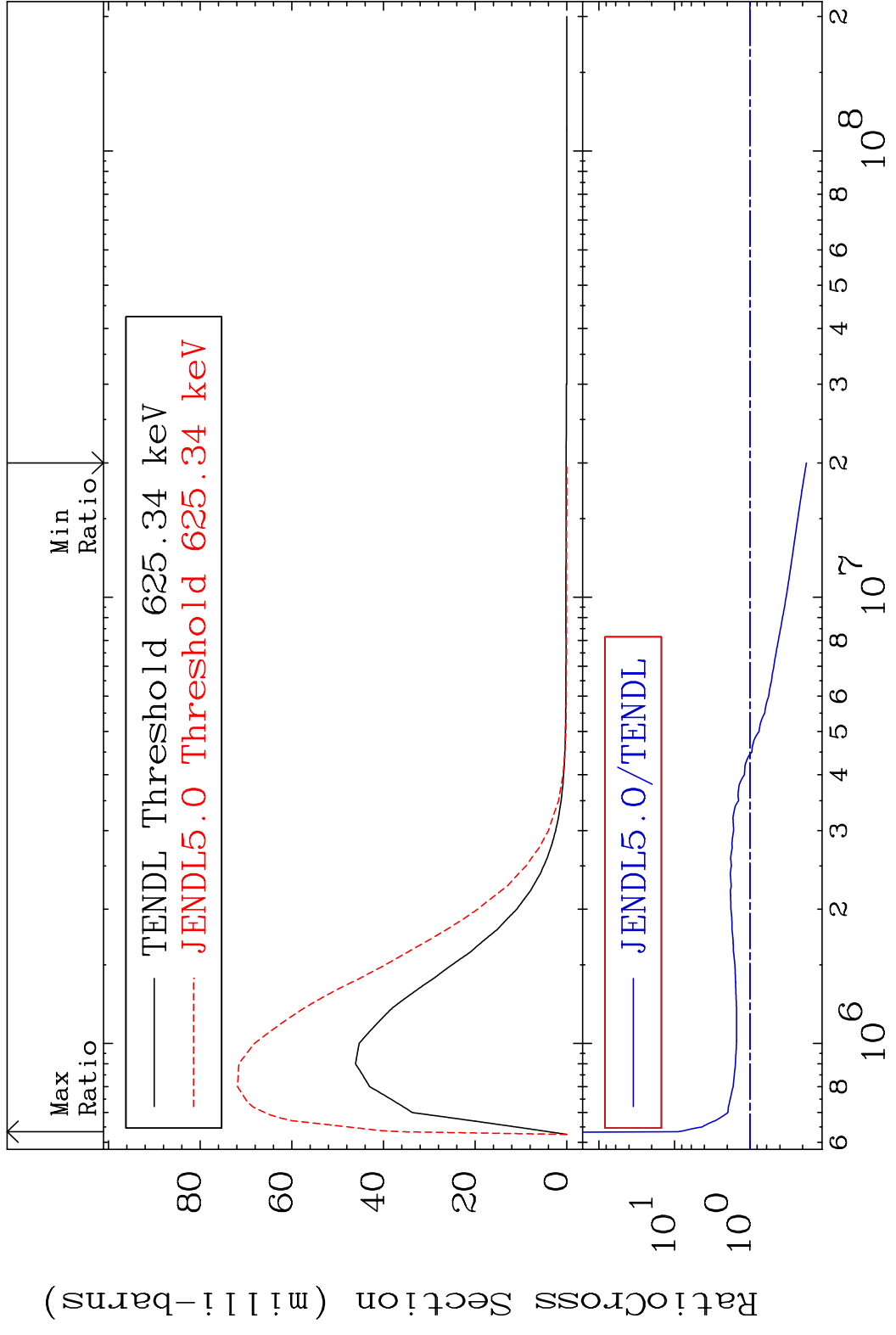
MAT 7640 MT= 72 (n, n') Level 76-0s-189
 Cross Section -100.0 To 9999. %



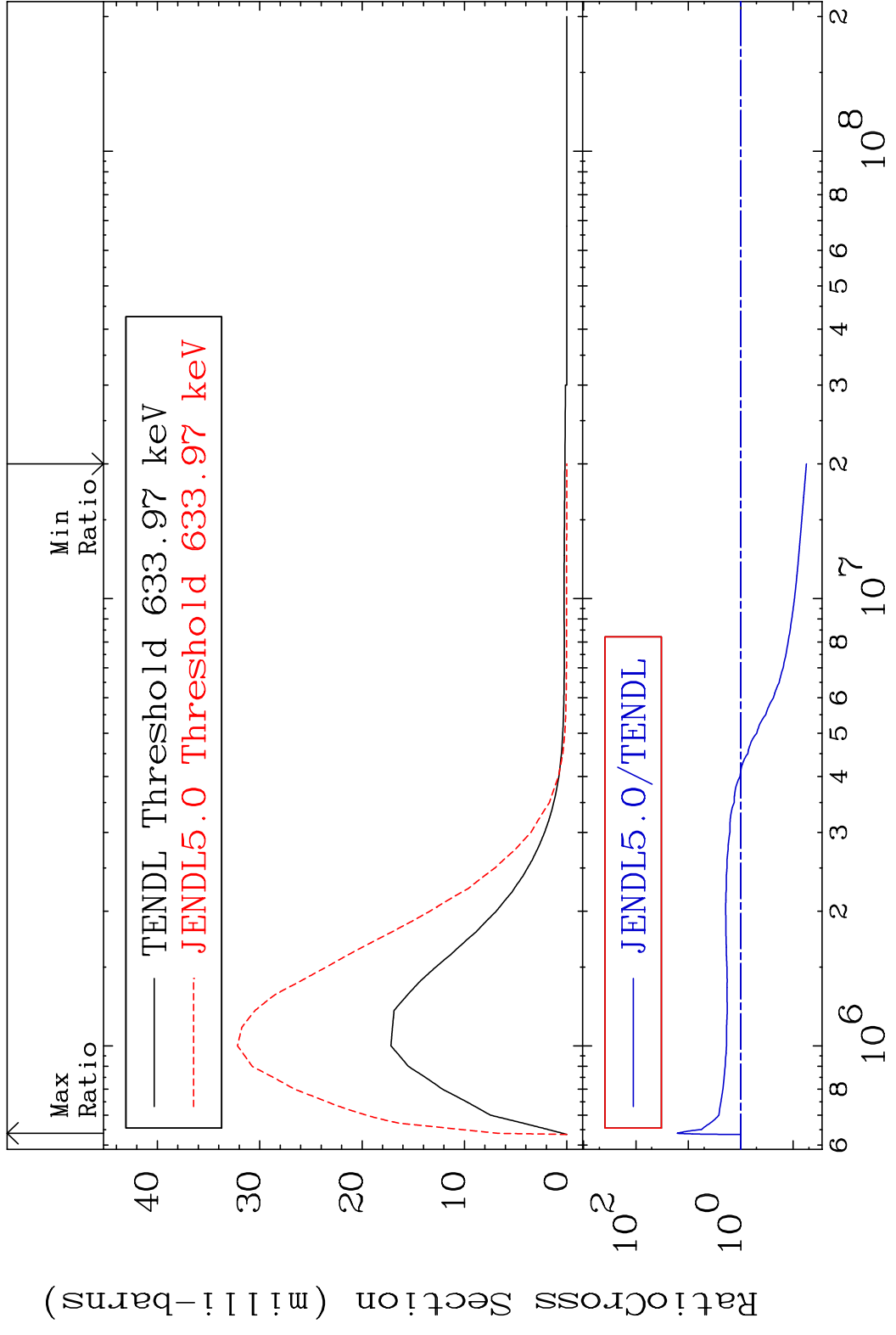
MAT 7640 MT= 73 (n, n') Level 76-0s-189
 Cross Section -100.0 To 419.1 %



MAT 7640 MT= 74 (n, n') Level 76-0s-189
 Cross Section -82.19 To 818.5 %



MAT 7640 MT= 75 (n,n') Level 76-0s-189
 Cross Section -94.43 To 1534. %

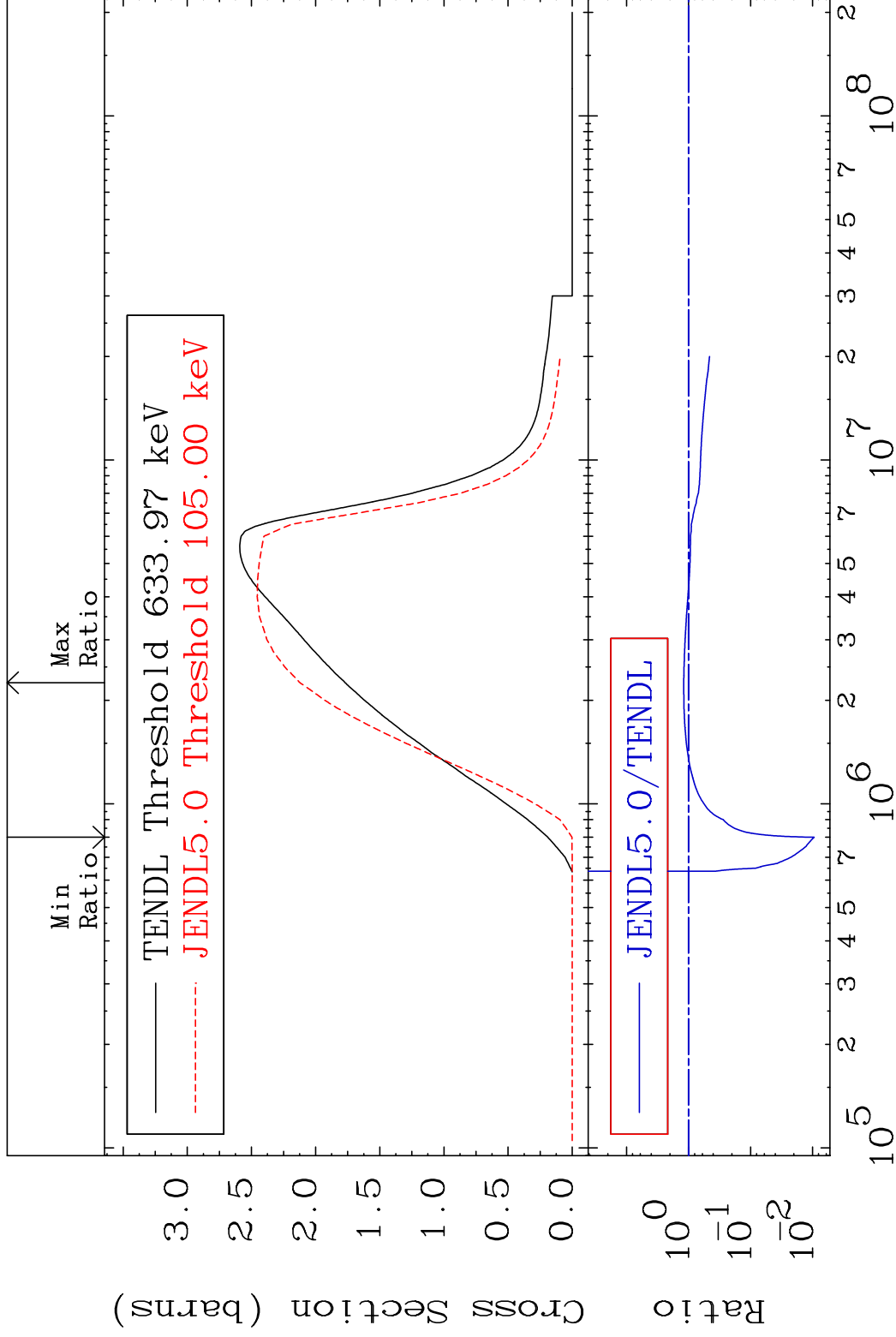


MAT 7640

(n, n') Continuum

76-0s-189

Cross Section -99.05 To 19.97 %



37

Incident Energy (eV)

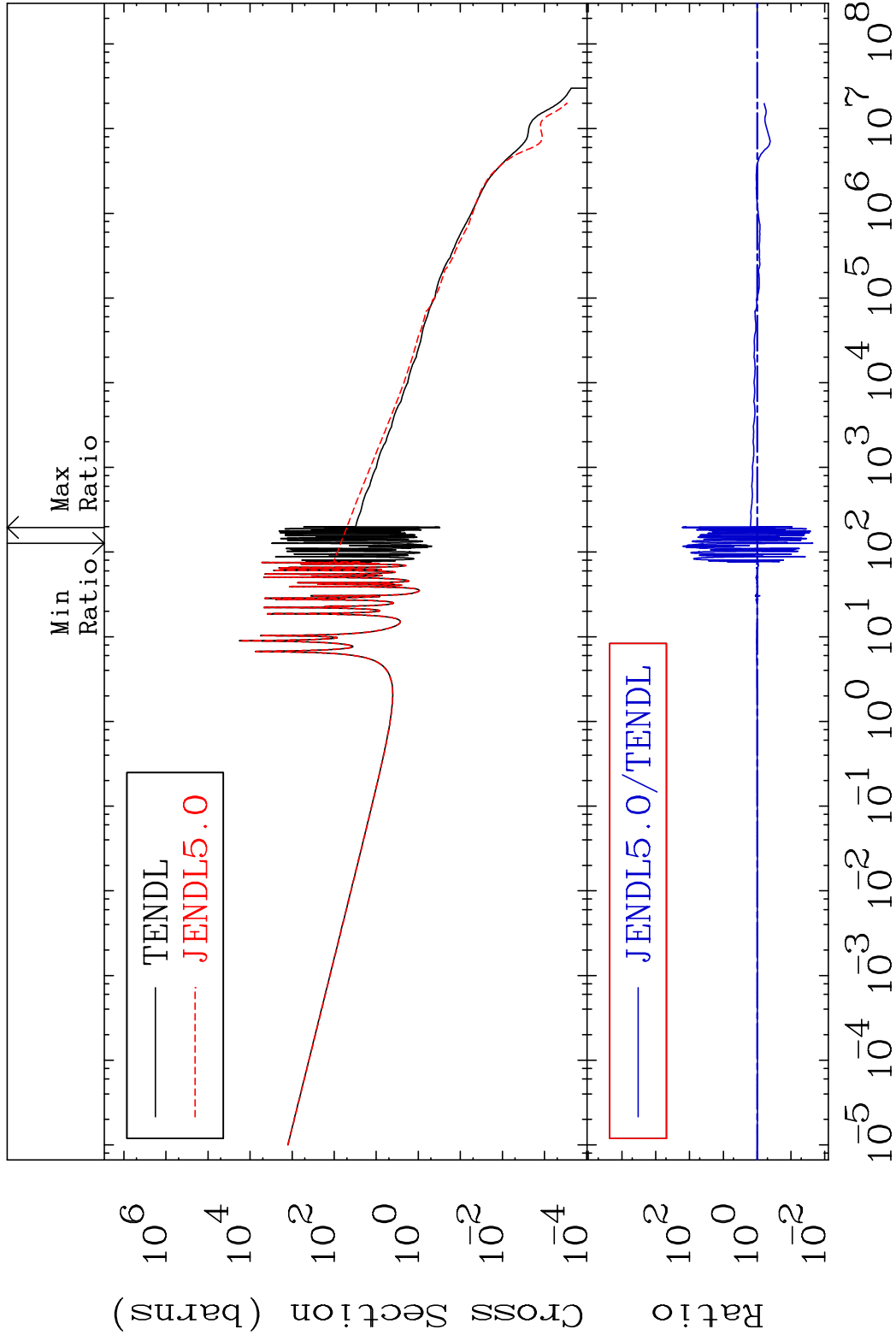
76-0s-189

MAT 7640

(n, γ)

76-Os-189

Cross Section -97.70 To 9999. %

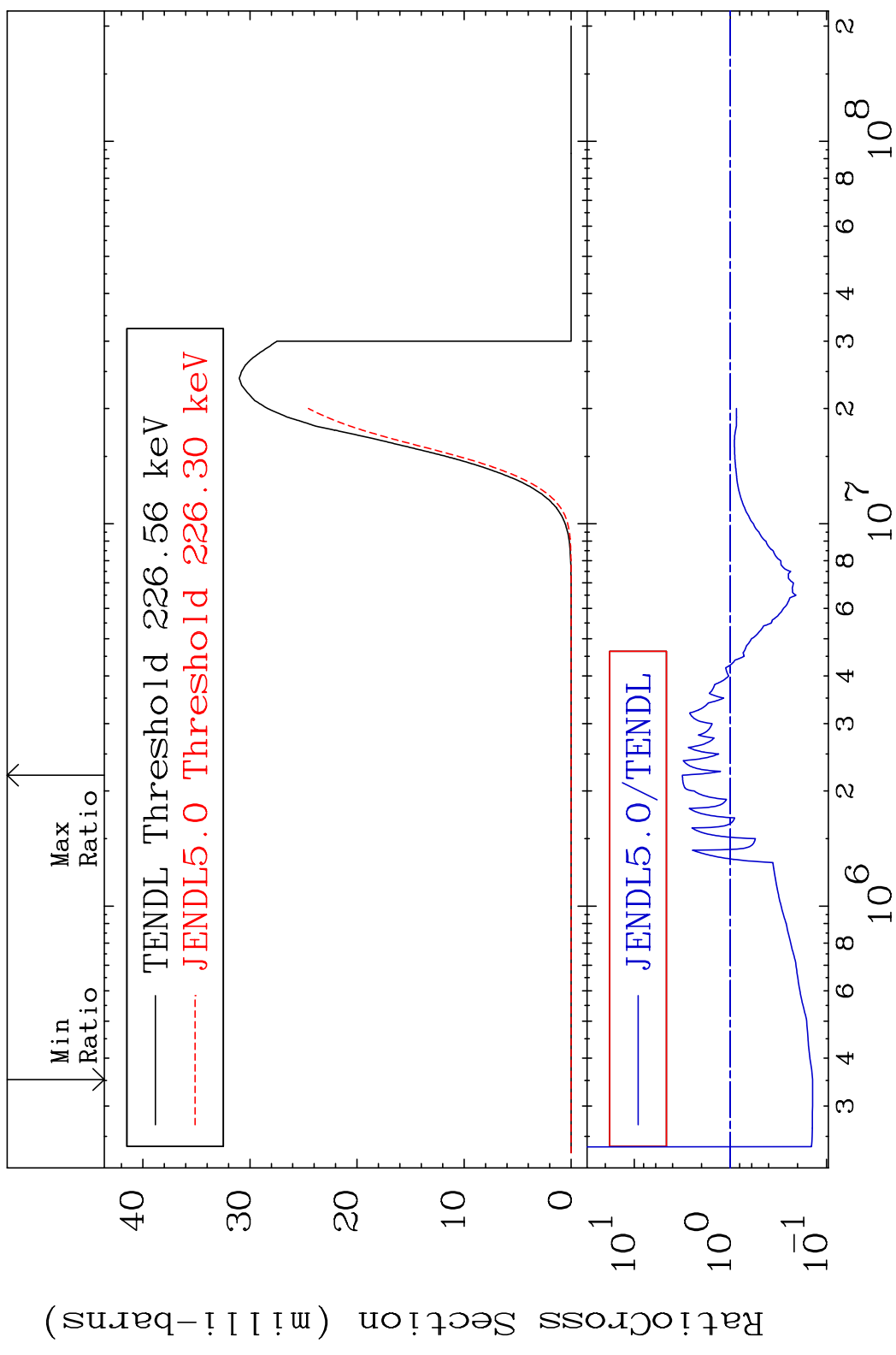


38

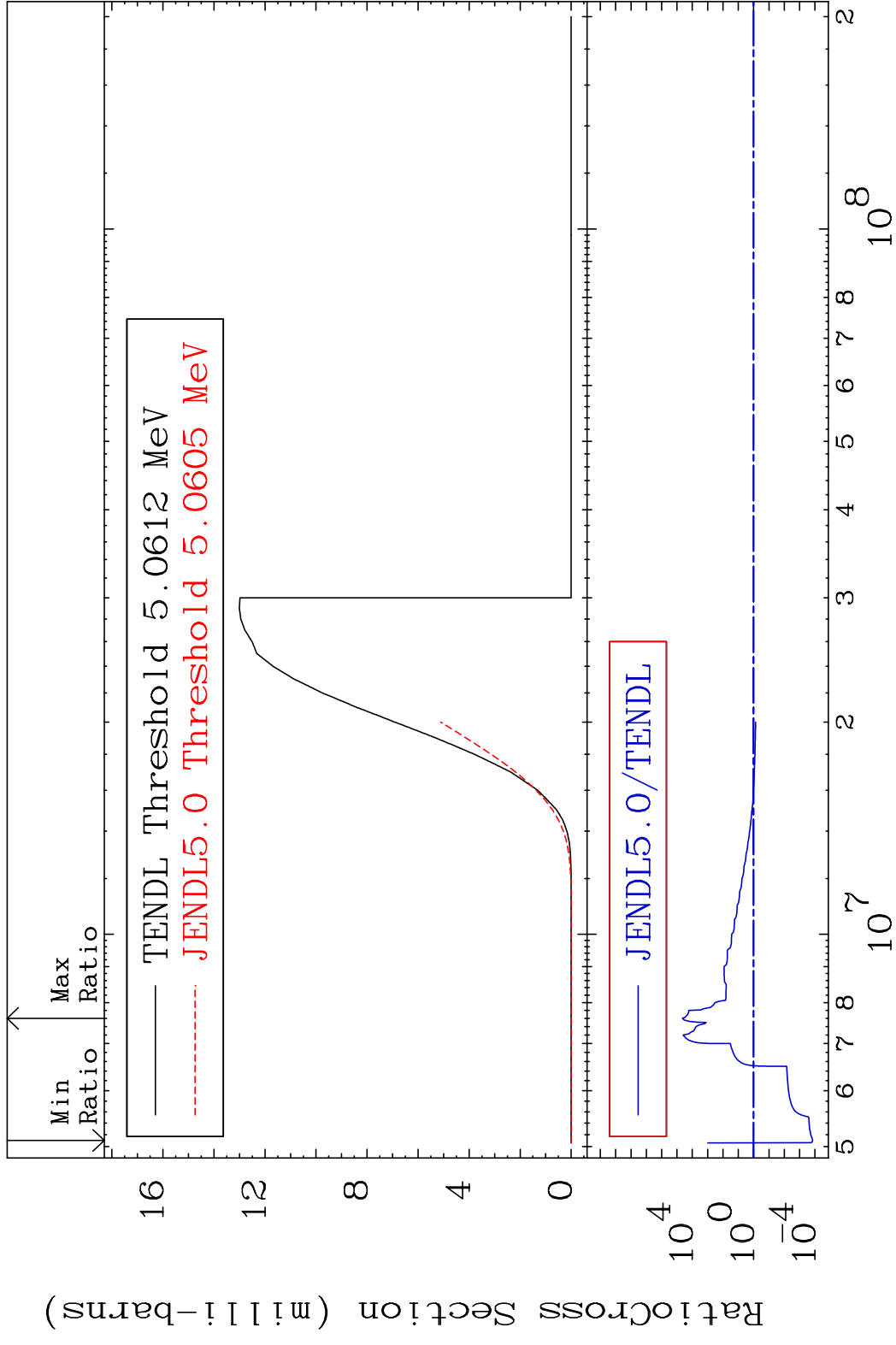
Incident Energy (eV)

76-Os-189

Cross Section -86.04 To 216.2 %

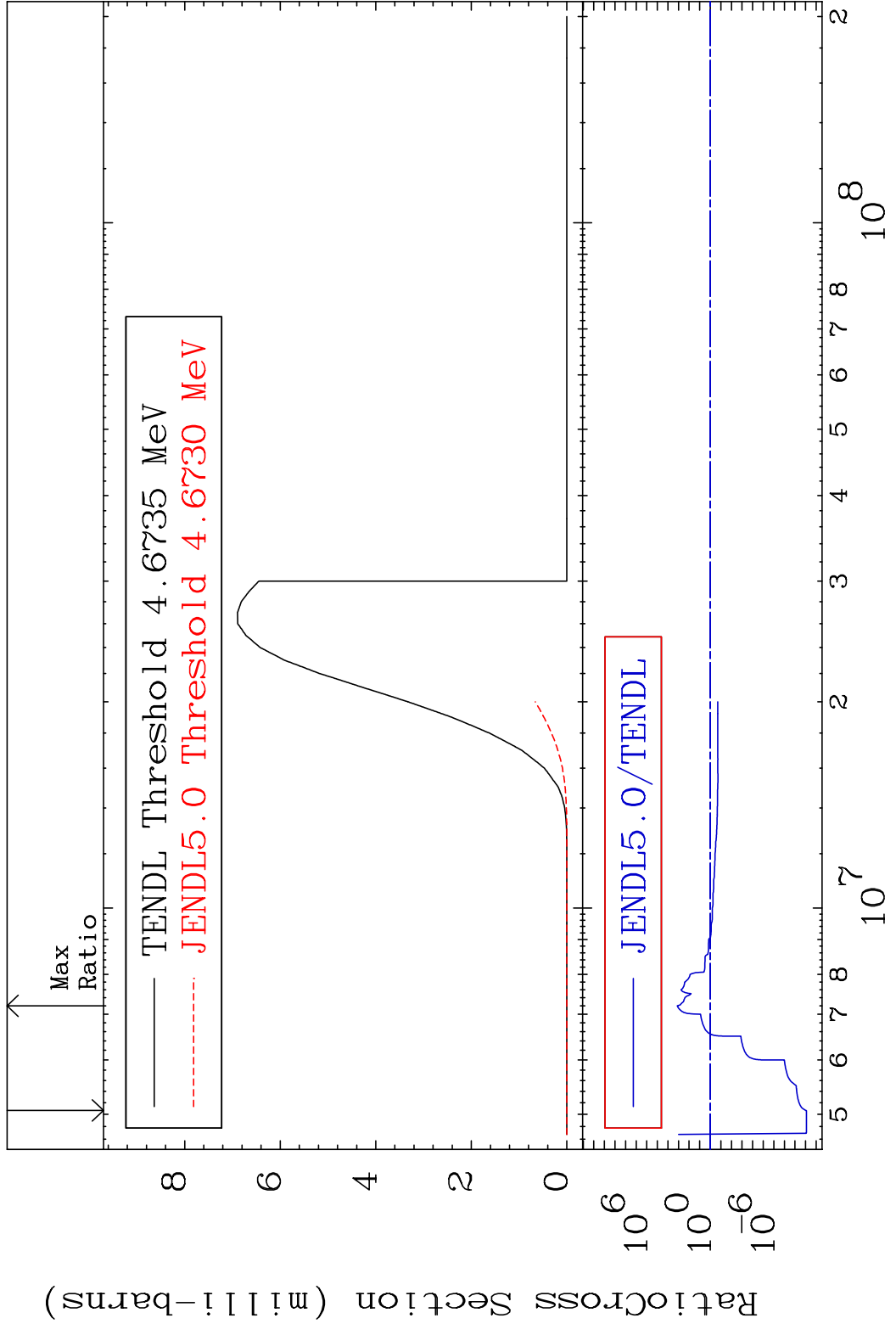


MAT 7640 (n,d) 76-0s-189
 Cross Section -99.99 To 9999. %



40 Incident Energy (eV) 76-0s-189

MAT 7640 (n, t) 76-0s-189
 Cross Section -100.0 To 9999. %

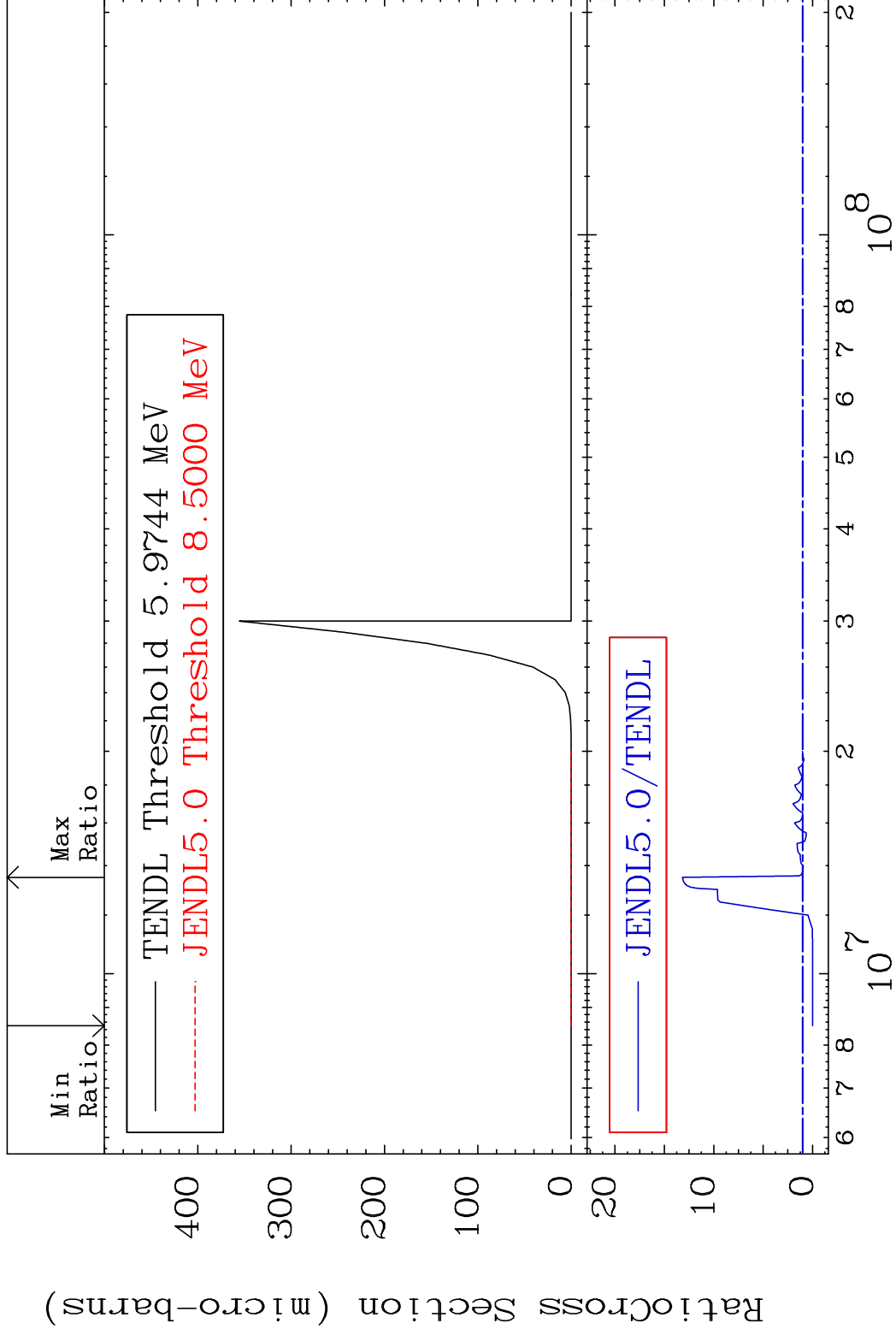


MAT 7640

(n, He-3)

76-Os-189

Cross Section -100.0 To 1218. %



42

Incident Energy (eV)

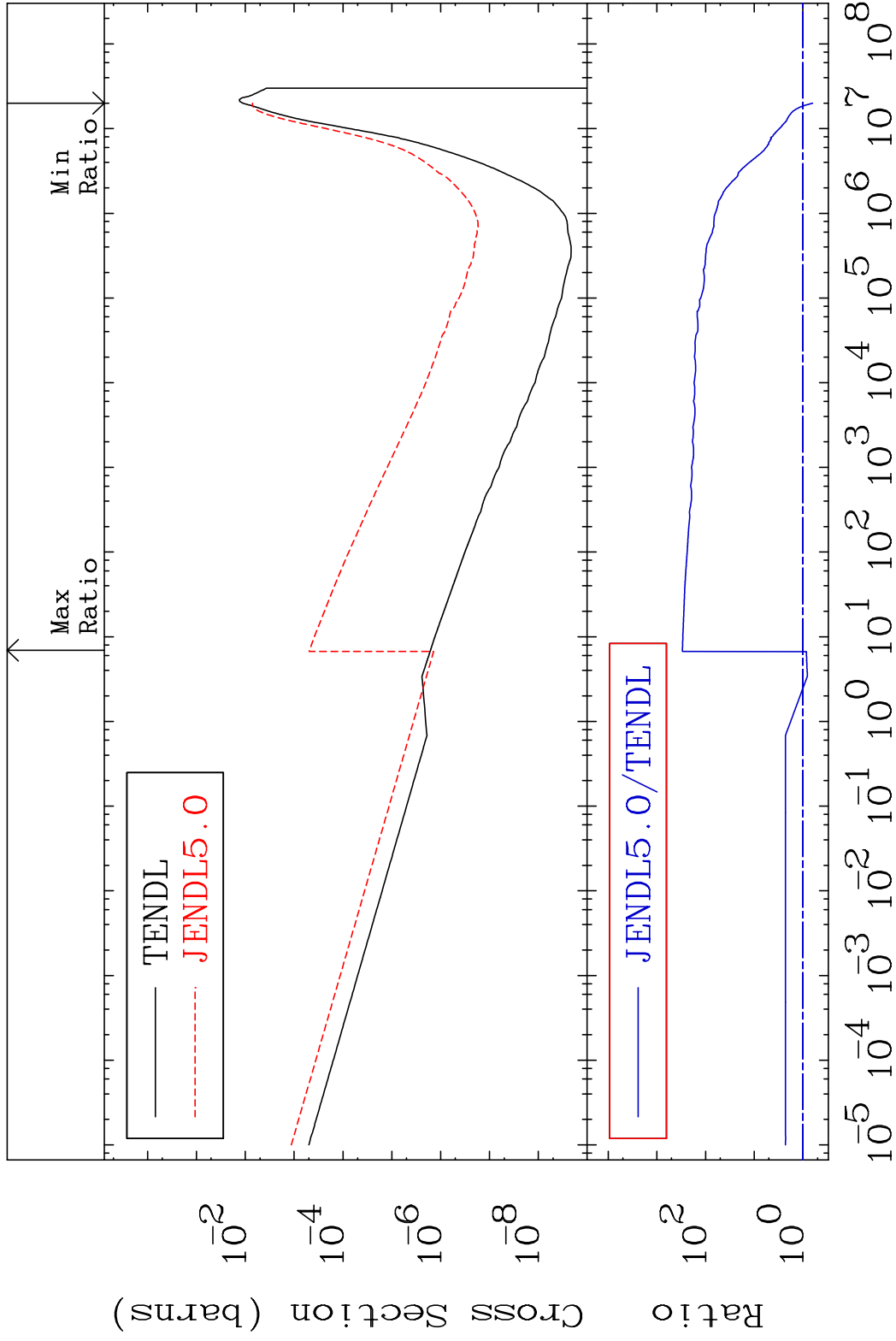
76-Os-189

MAT 7640

(n, α)

76-0s-189

Cross Section -36.72 To 9999. %

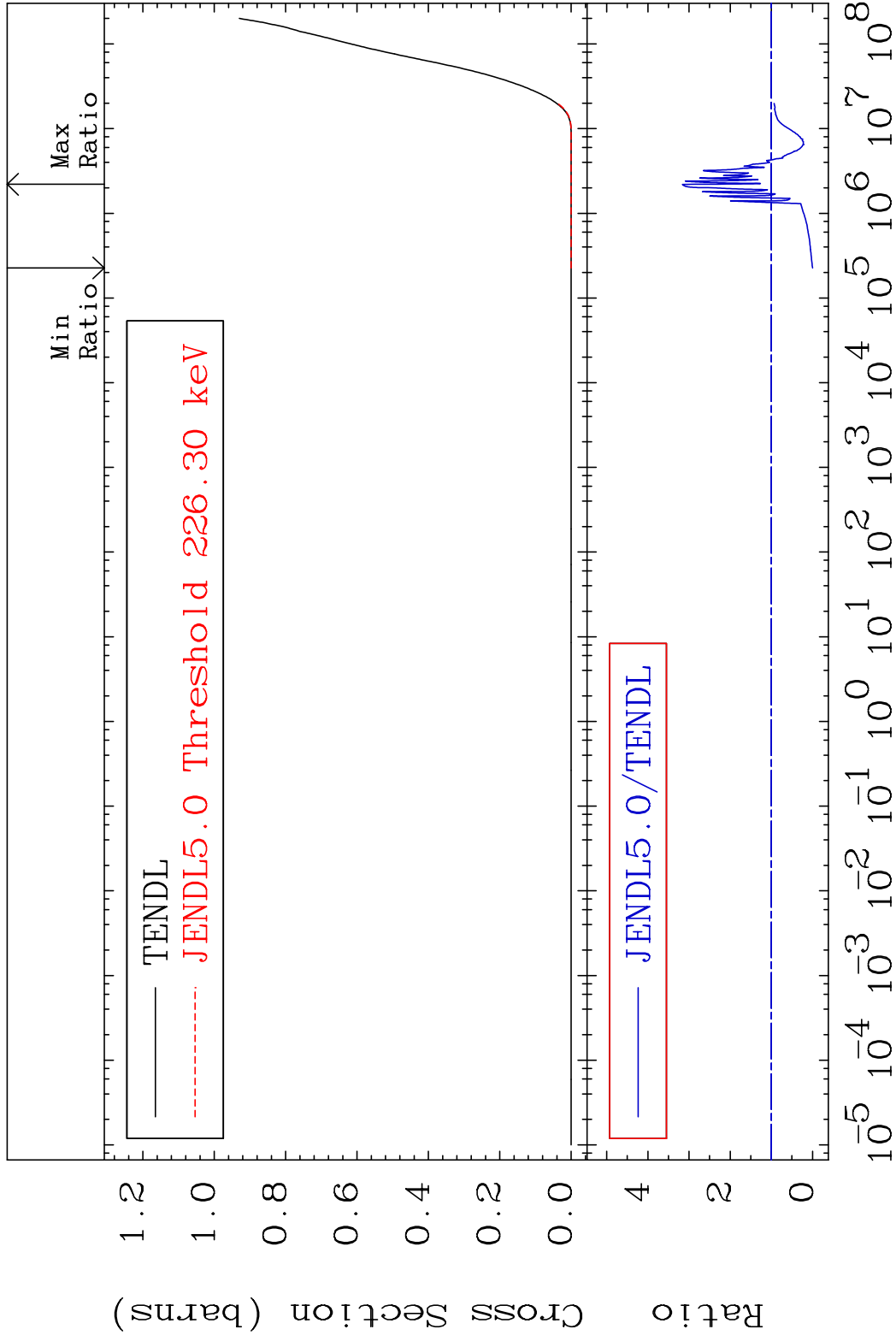


43

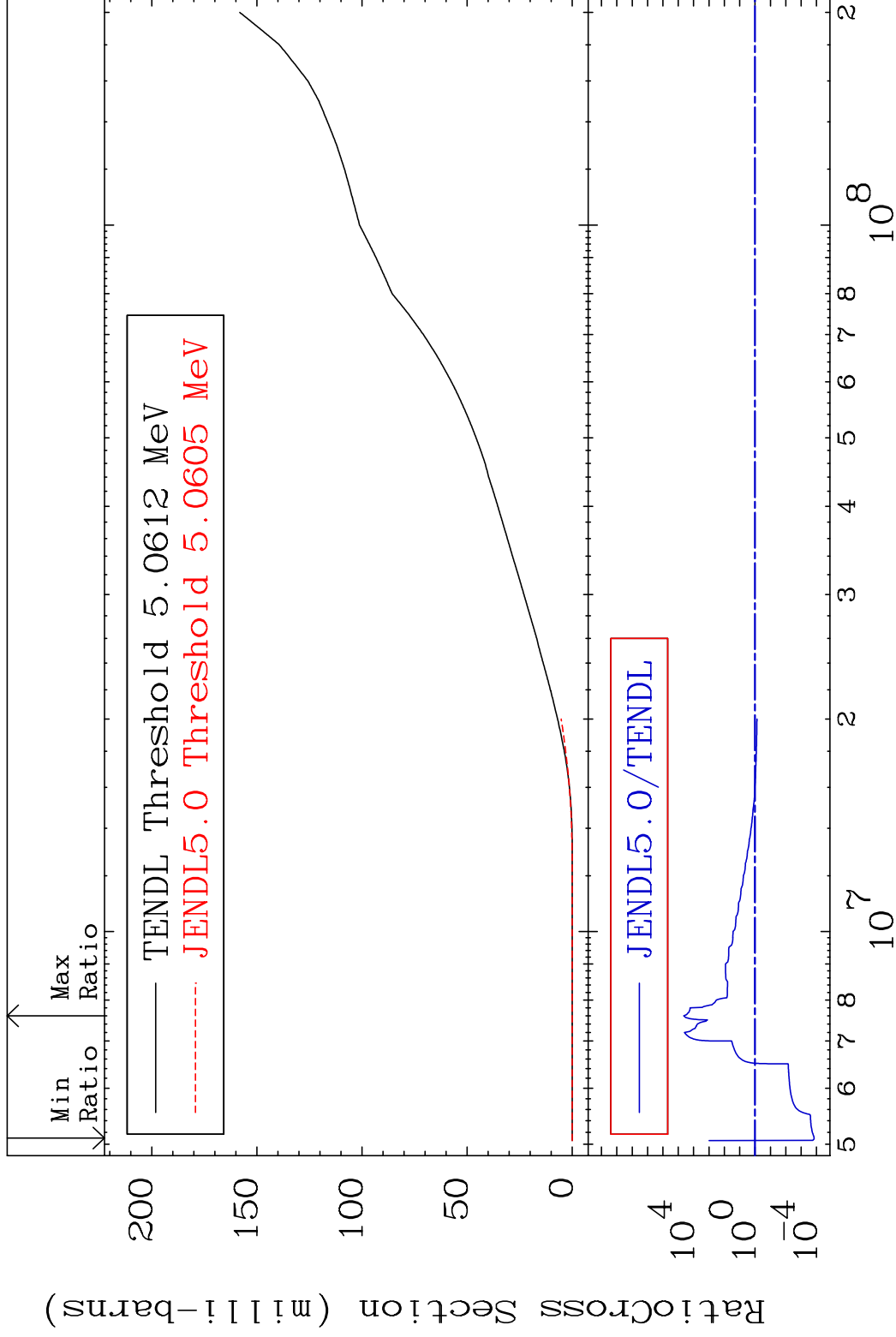
Incident Energy (eV)

76-0s-189

Cross Section -100.0 To 216.2 %



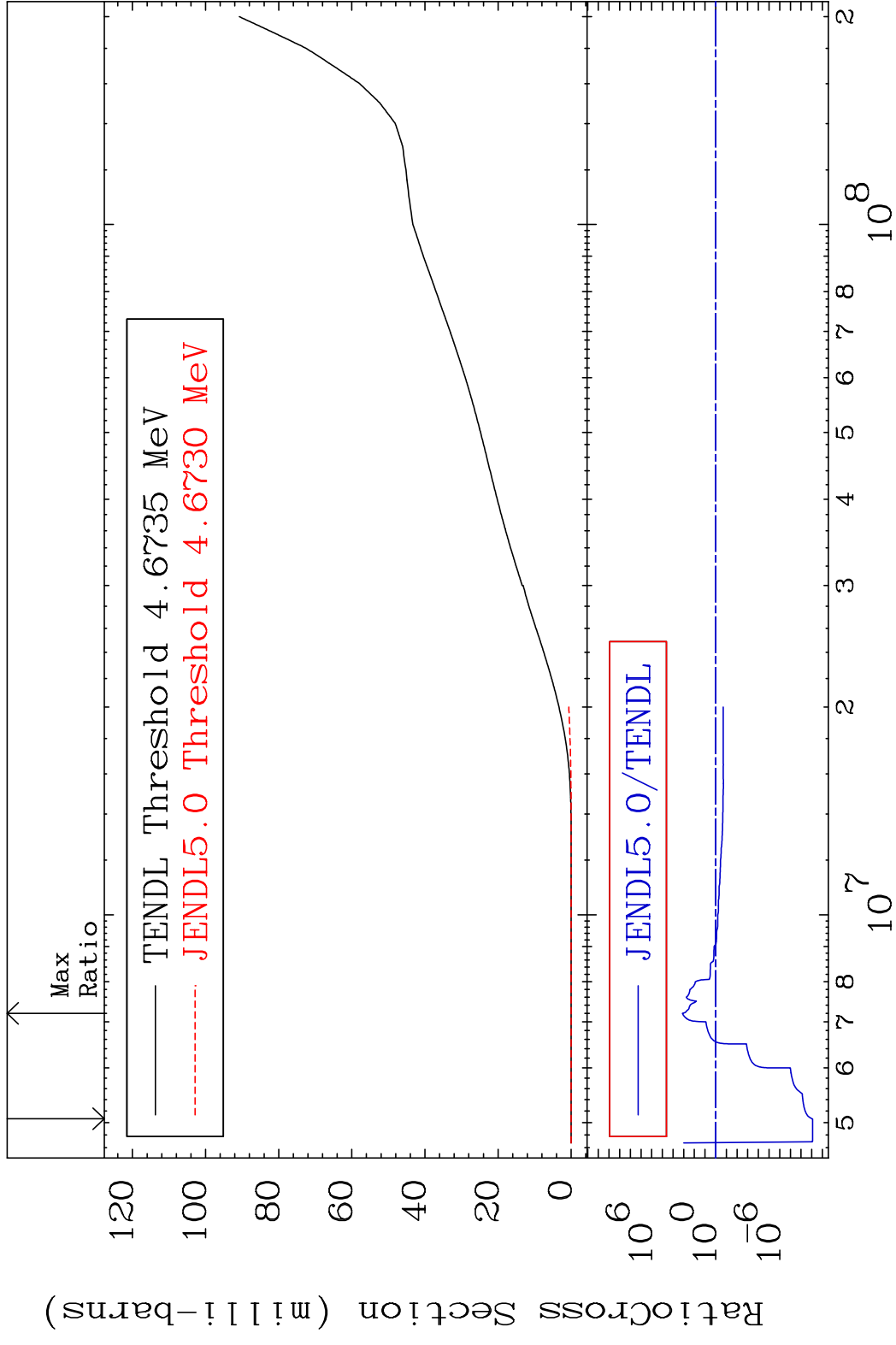
Cross Section -99.99 To 9999. %



MAT 7640

Tritium Production 76-0s-189

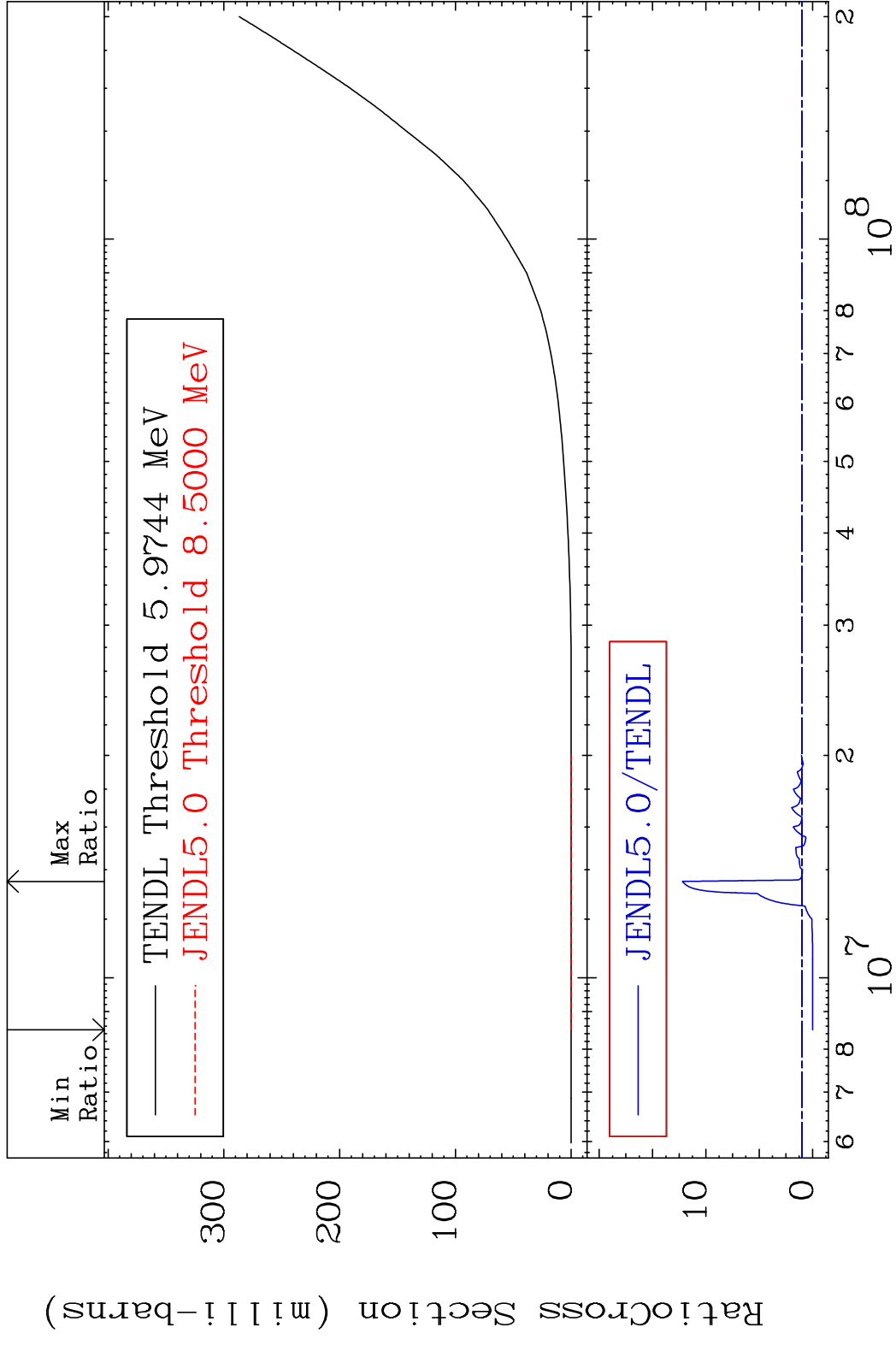
Cross Section -100.0 To 9999. %



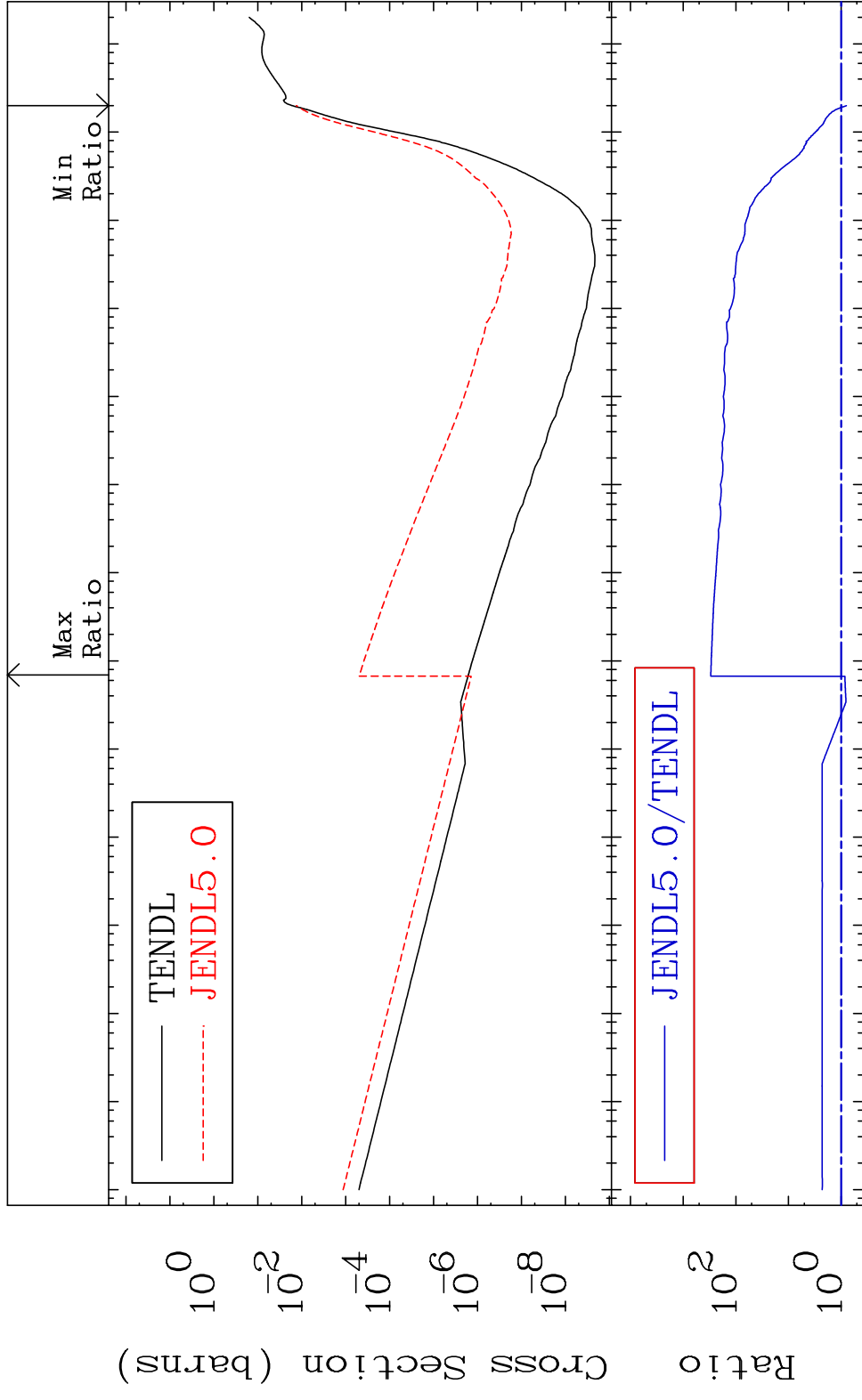
46

Incident Energy (eV)

76-0s-189

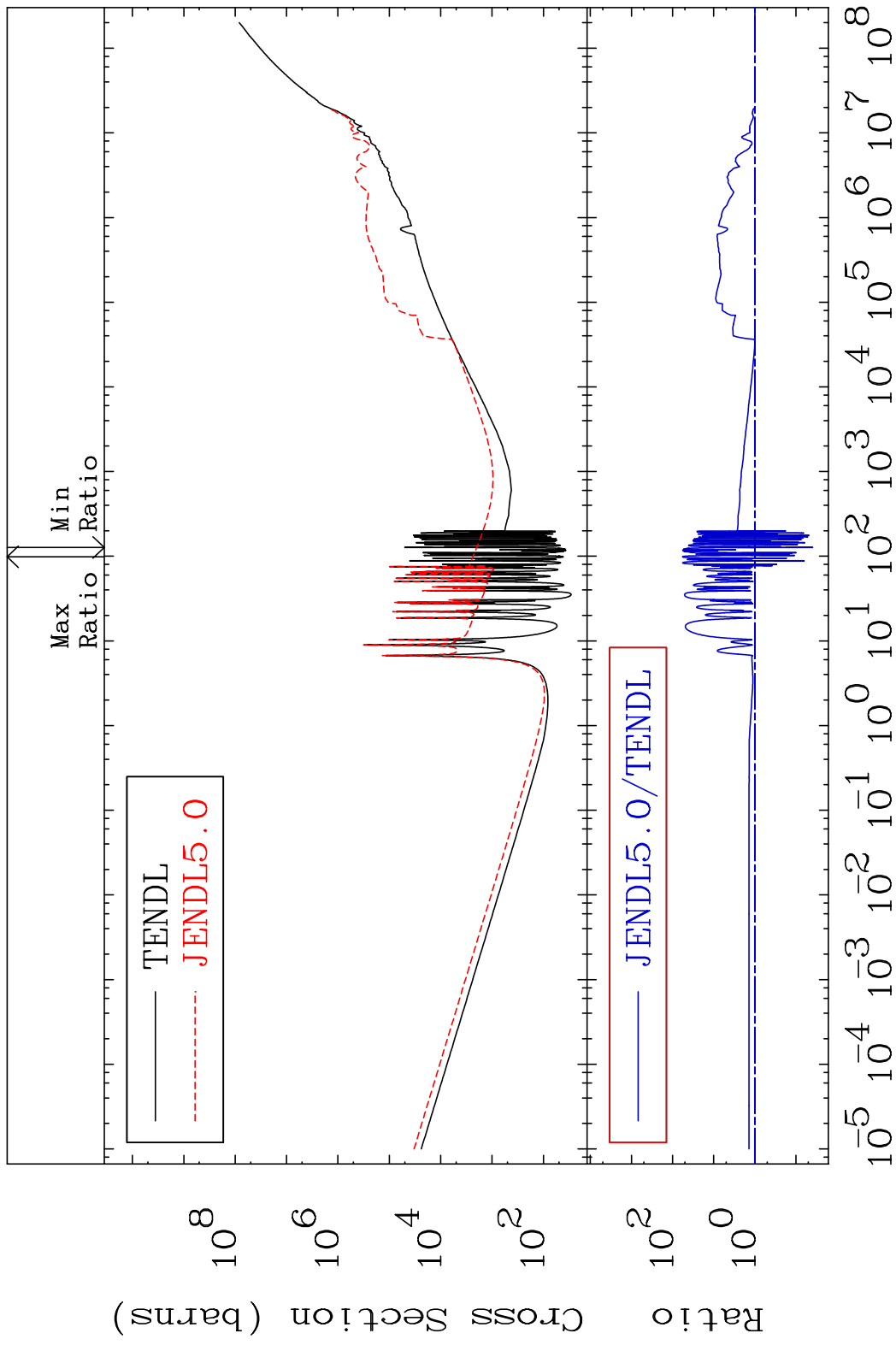


MAT 7640 He-4 Production 76-0s-189
 Cross Section -20.49 To 9999. %



48 Incident Energy (eV) 76-0s-189

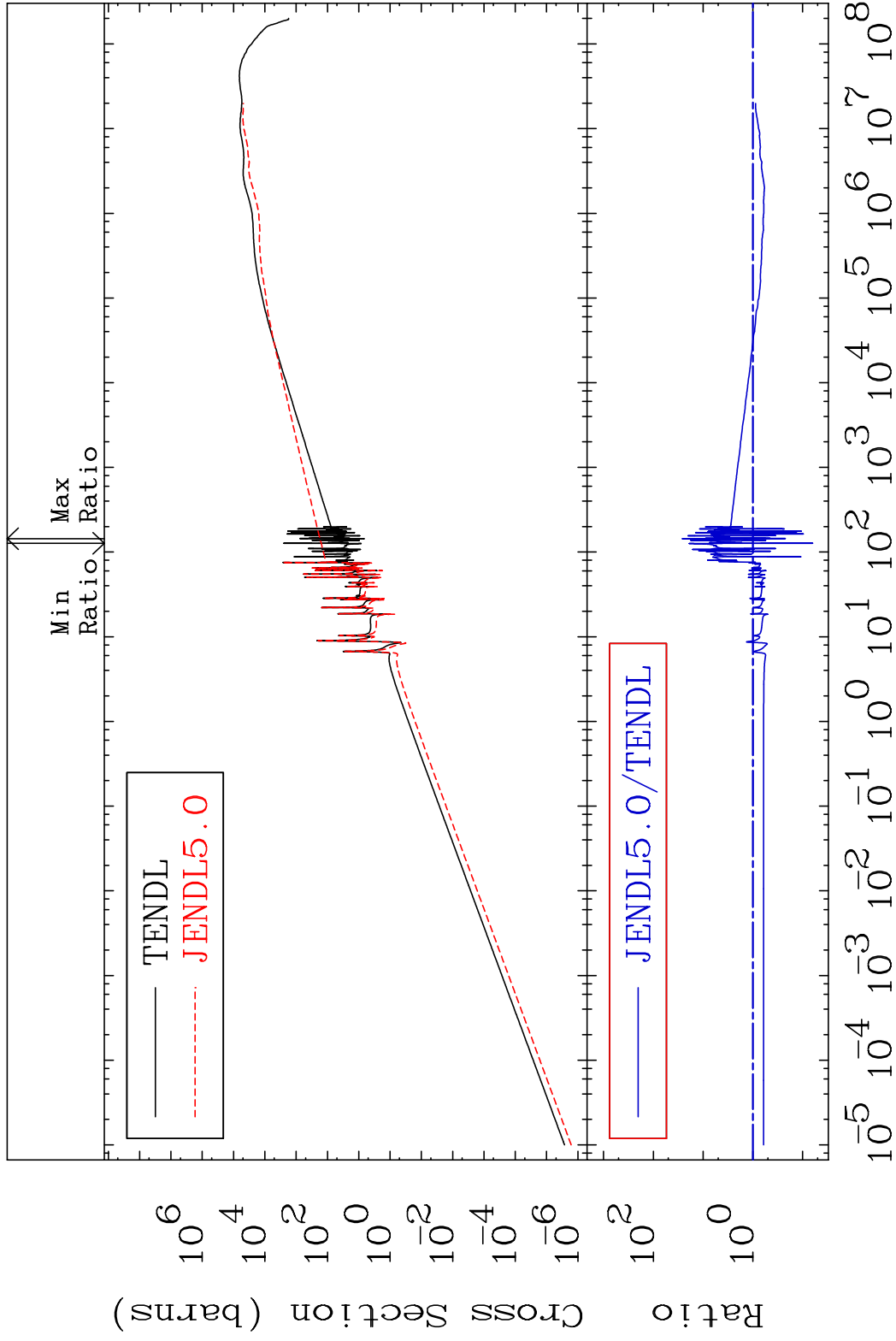
MAT 7640 Kerma total (eV-barns) 76-0s-189
 Cross Section -96.05 To 5690. %



MAT 7640

Kerma elastic
Cross Section

76-0s-189
-93.67 To 2514. %

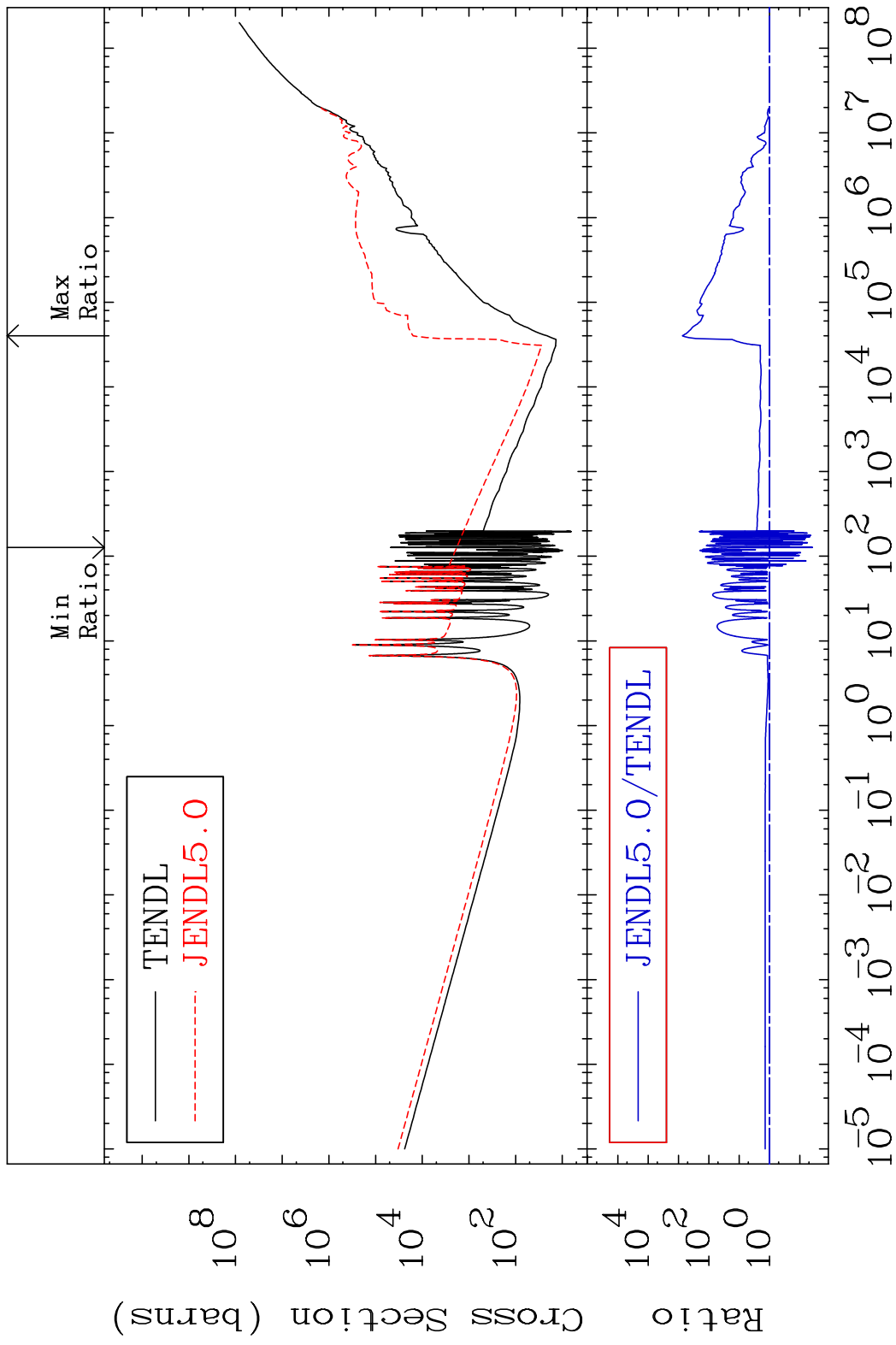


50

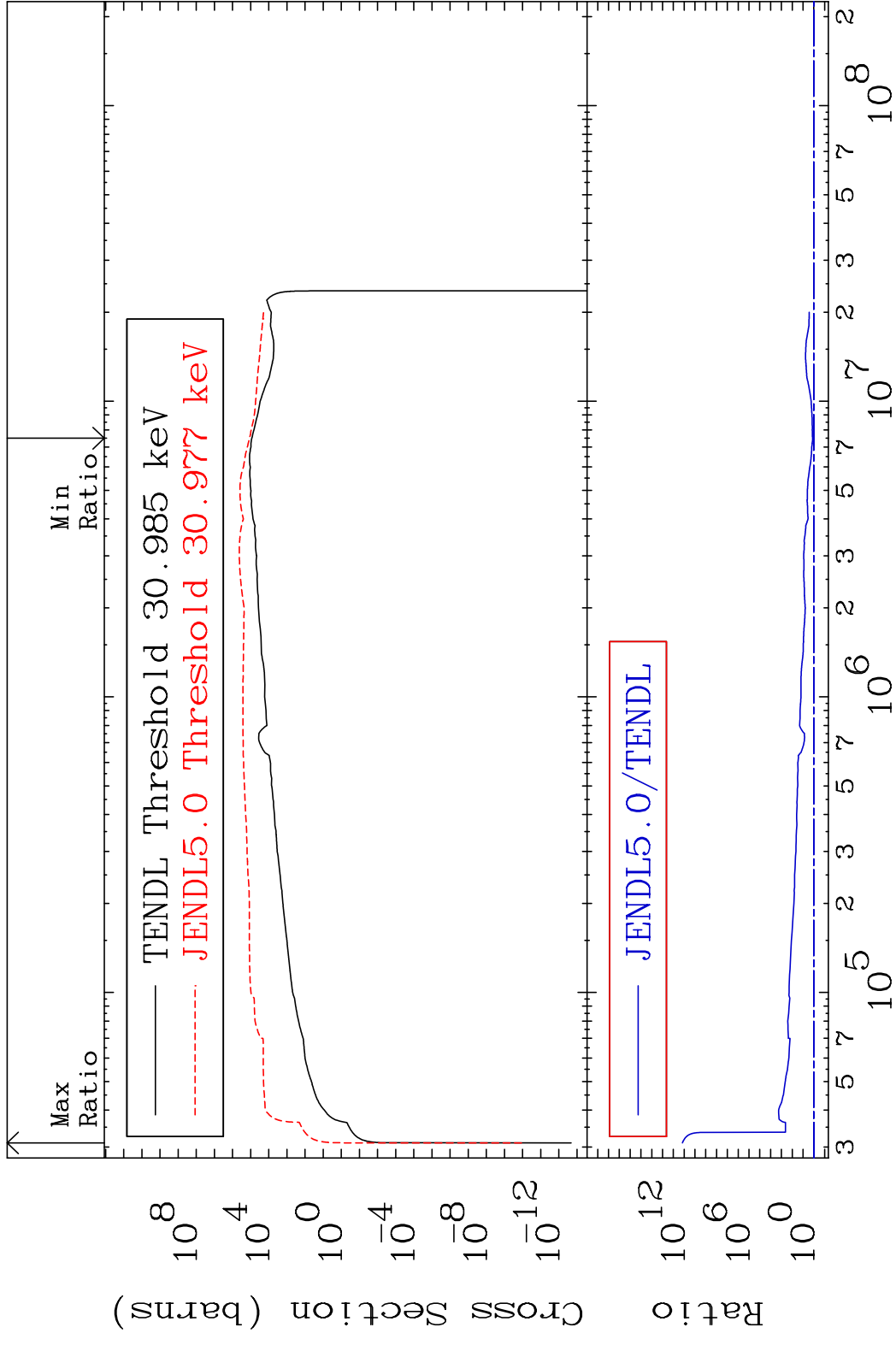
Incident Energy (eV)

76-0s-189

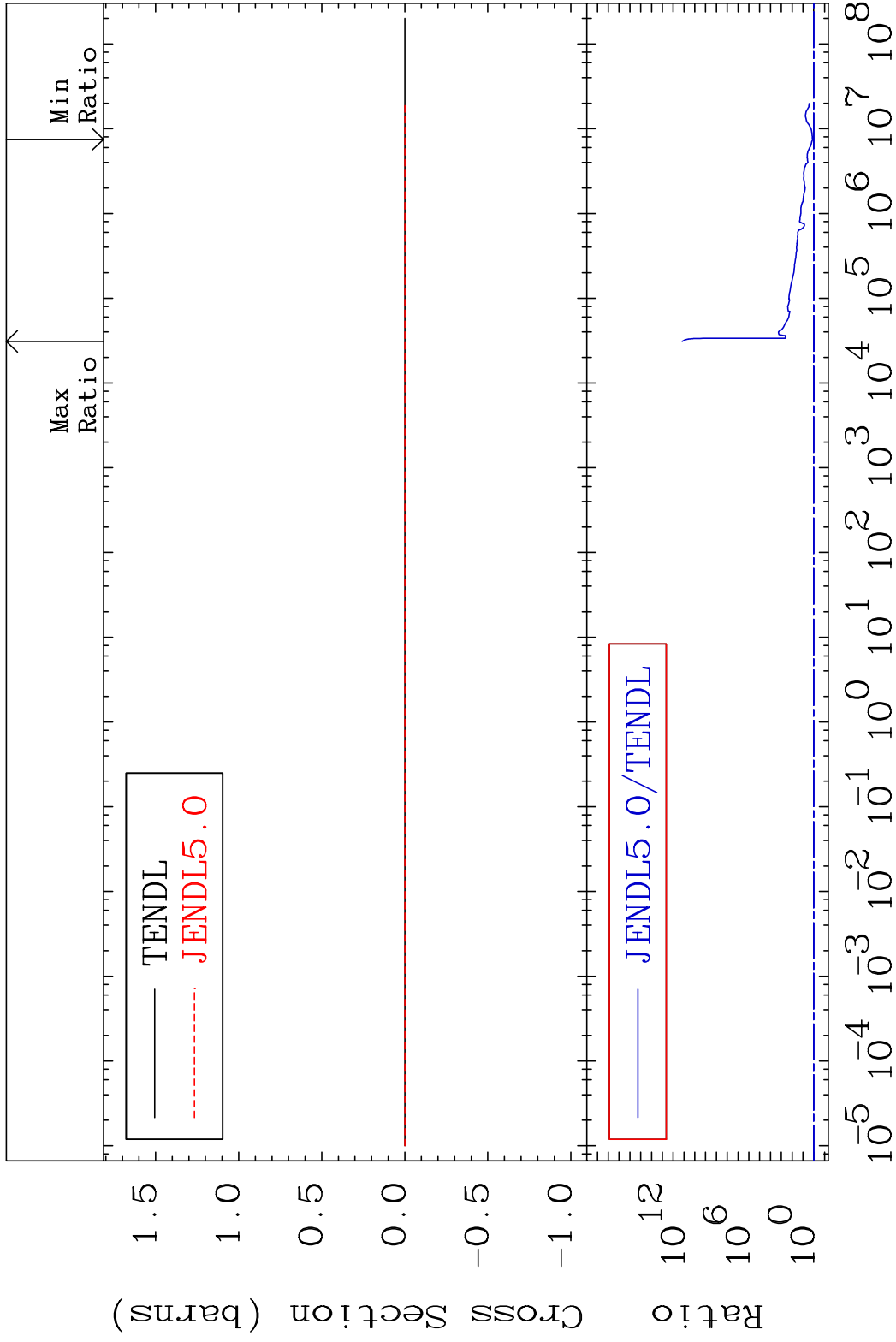
MAT 7640 Kerma non-elastic (all but mt2) 76-Os-189
 Cross Section -96.18 To 9999. %



MAT 7640 Kerma inelastic (mt51-91) 76-Os-189
 Cross Section 31.84 To 9999. %

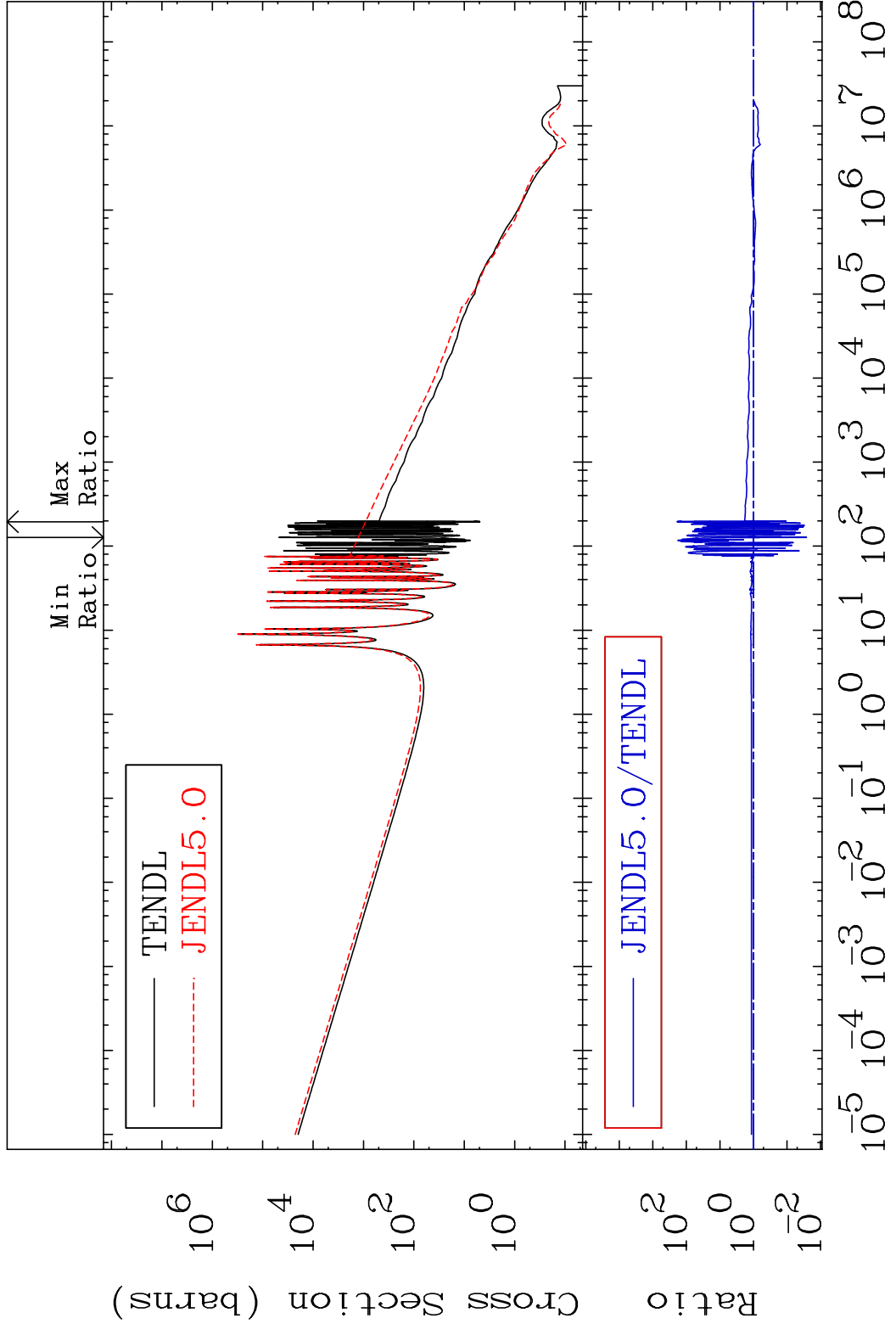


MAT 7640 Kerma fission (mt18 or mt19-20-21-38)76-0s-189
 Cross Section 31.84 To 9999. %



MAT 7640

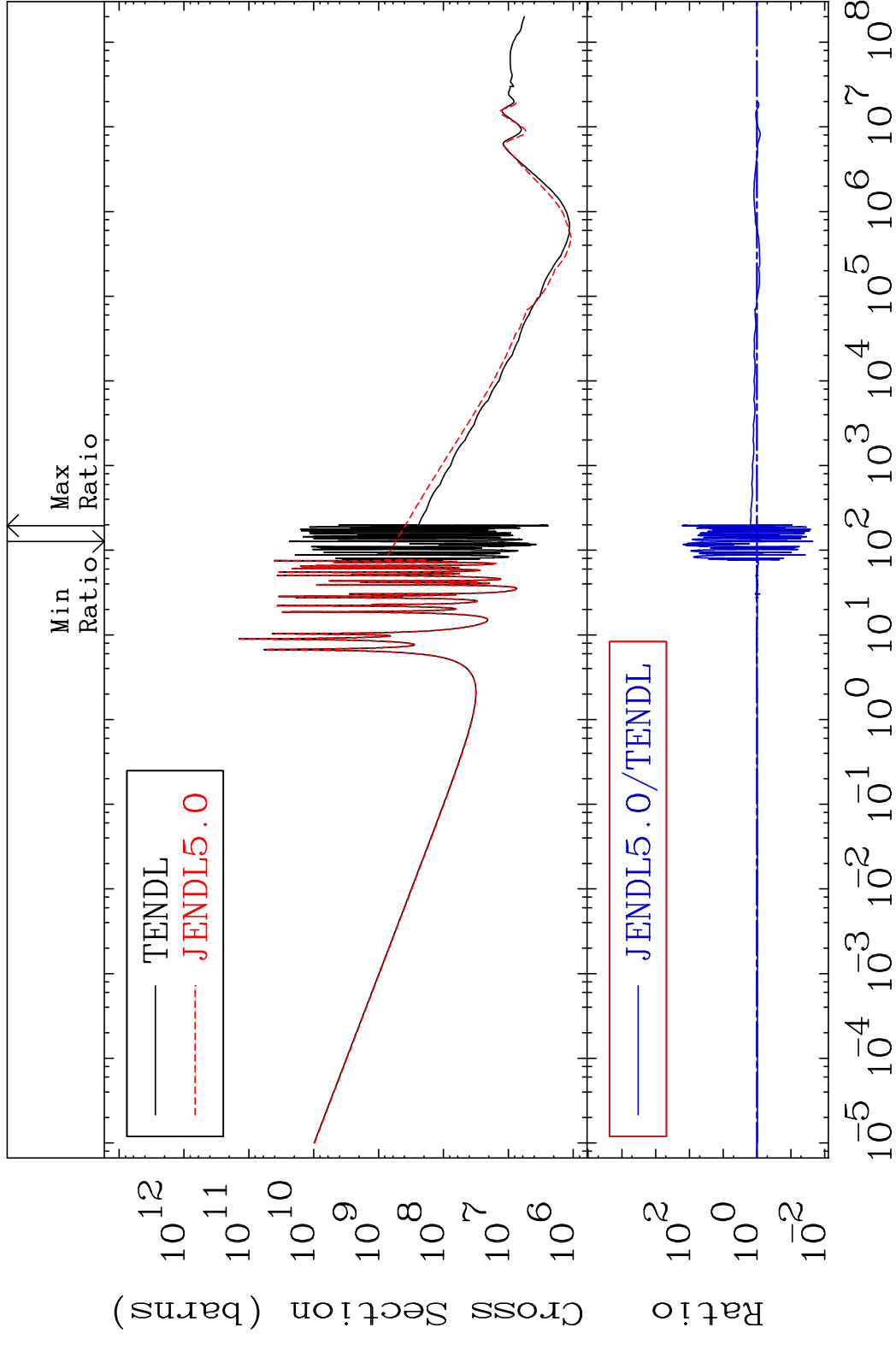
Kerma capture (mt102) 76-0s-189
Cross Section -97.36 To 9999. %



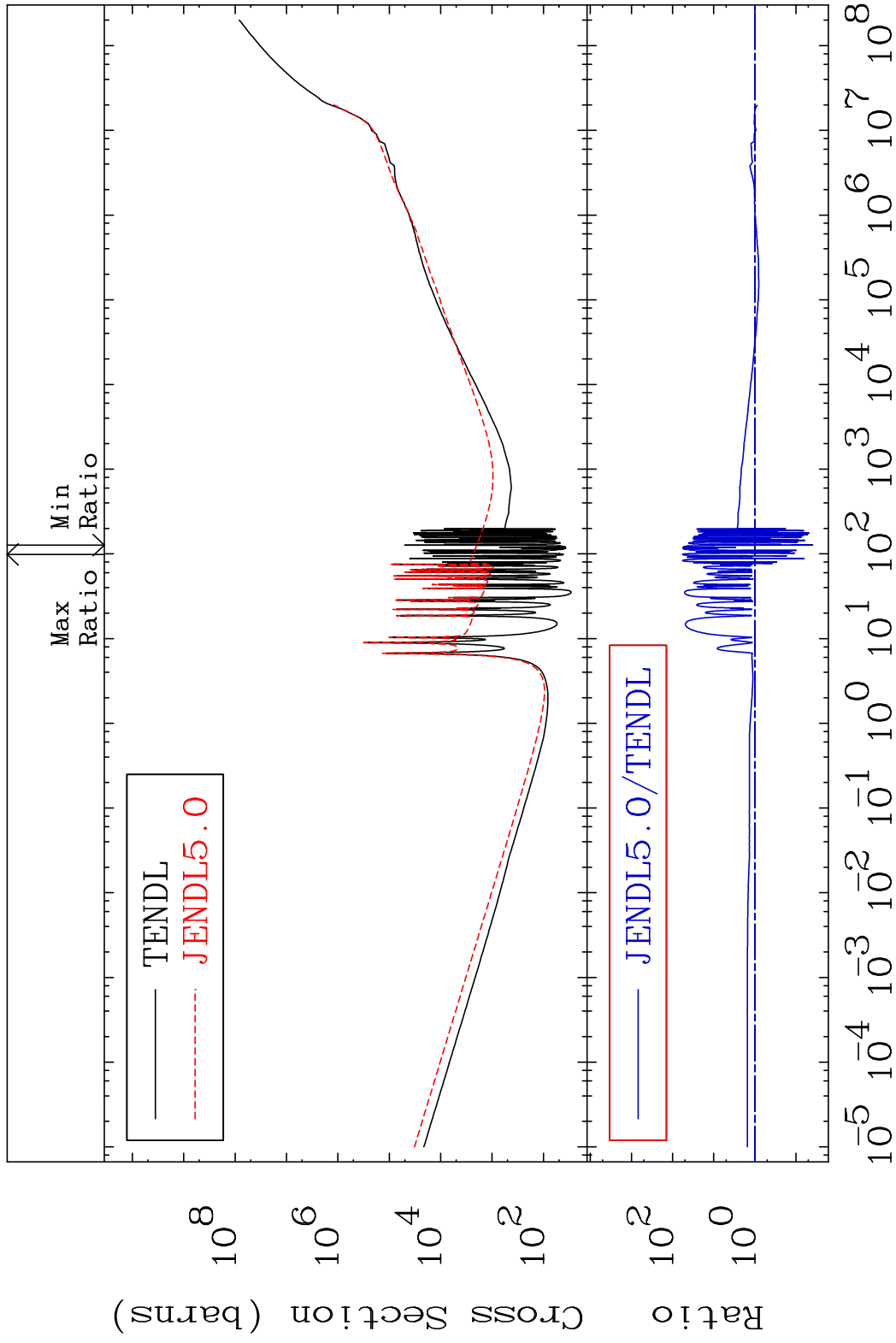
54

Incident Energy (eV) 76-0s-189

MAT 7640 Total photon (eV-barns) 76-0s-189
 Cross Section -97.72 To 9999. %



MAT 7640 Total kinematic kerma (high limit) 76-Os-189
 Cross Section -96.06 To 5677. %

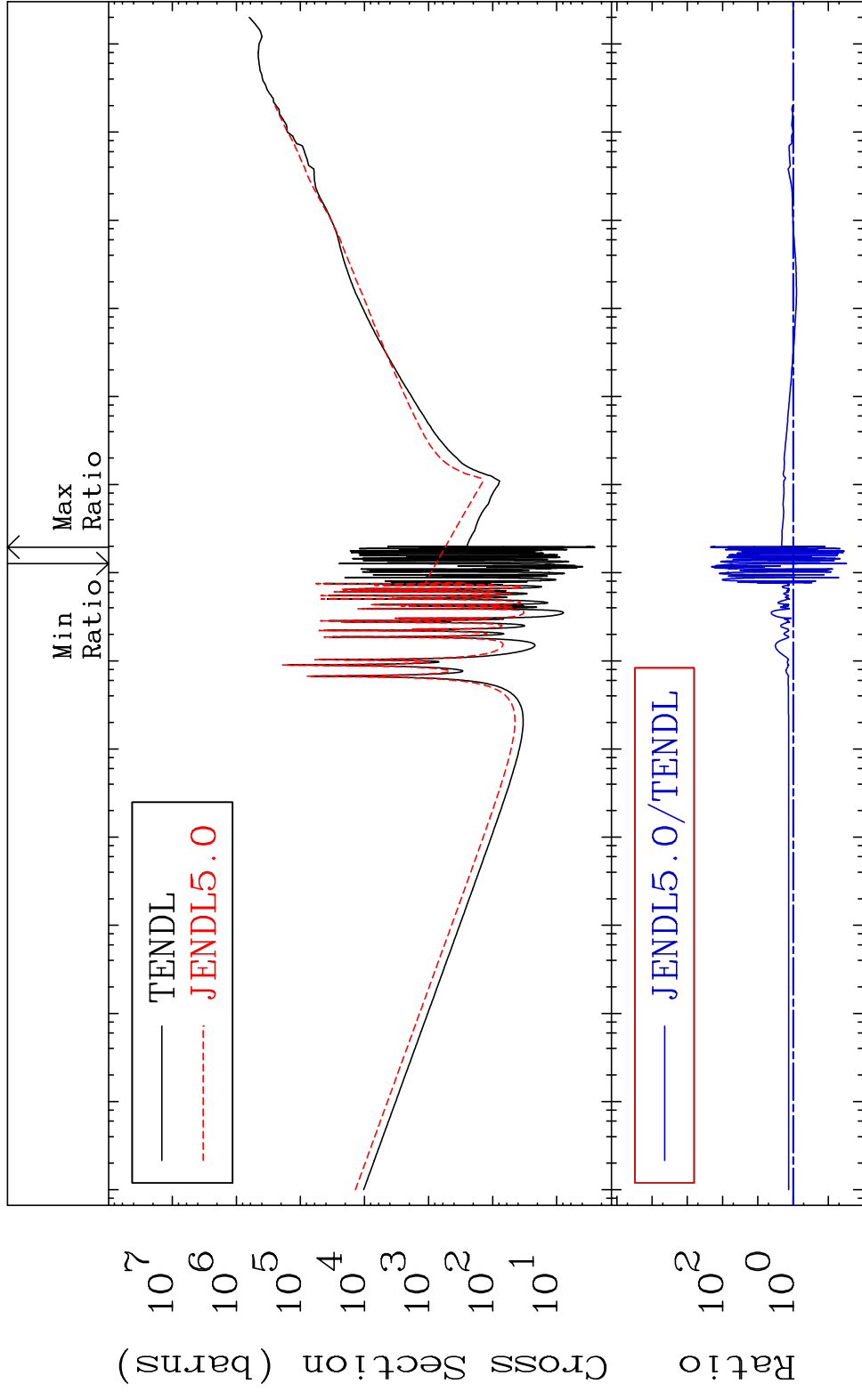


MAT 7640

Dpa total (eV-barns)

76-0s-189

Cross Section -96.91 To 9999. %



57

Incident Energy (eV)

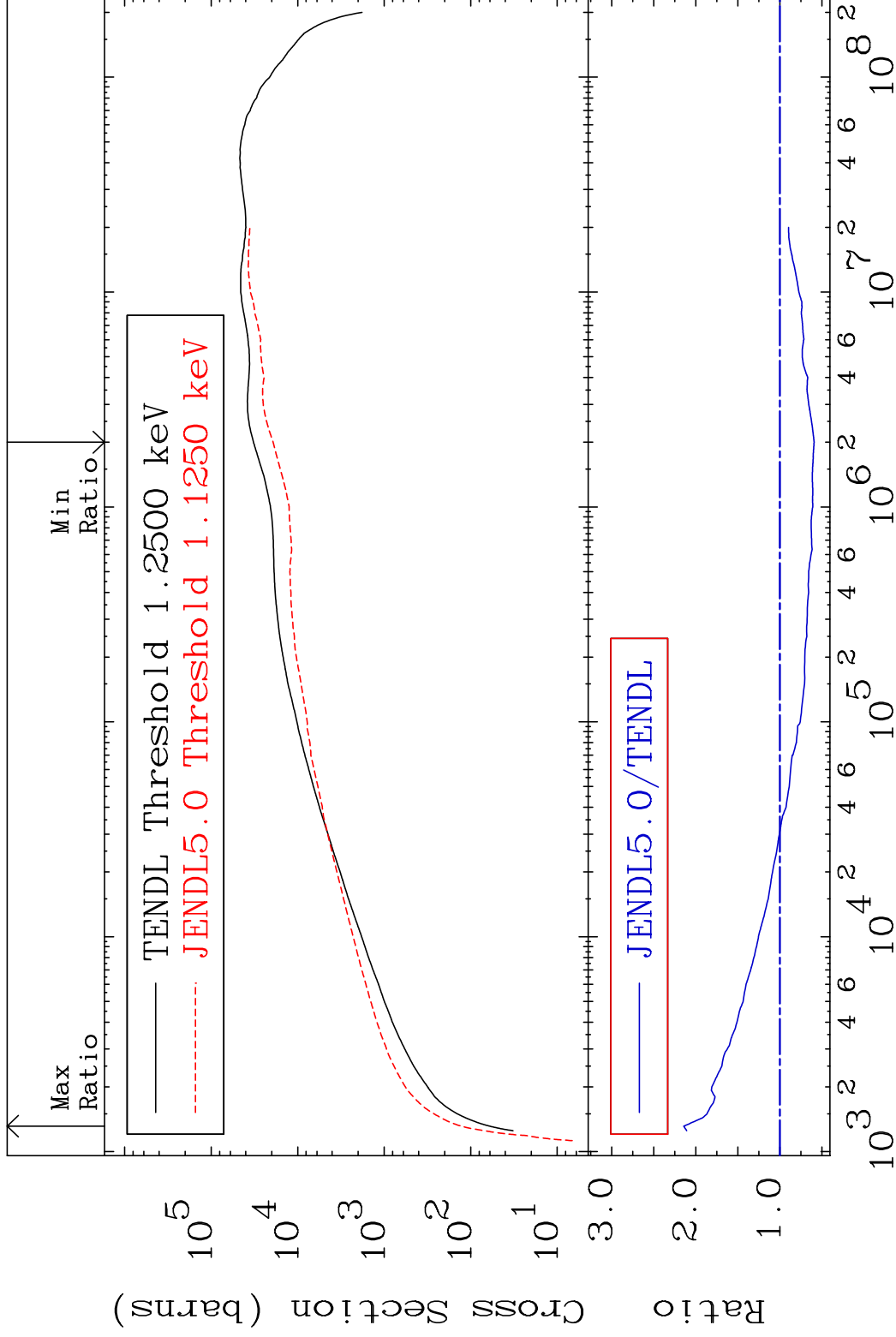
76-0s-189

MAT 7640

Dpa elastic (mt2)

76-Os-189

Cross Section -40.79 To 114.4 %

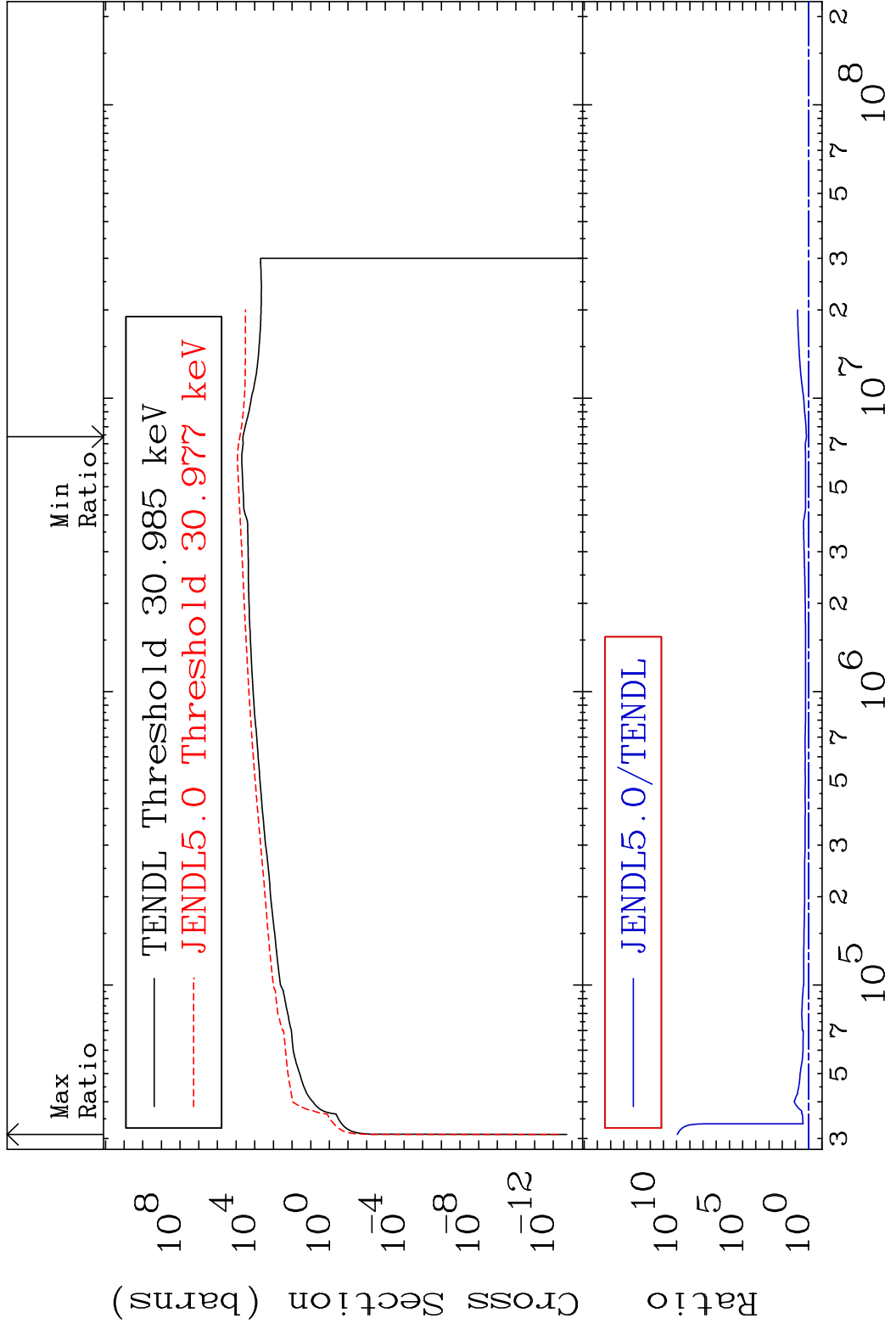


58

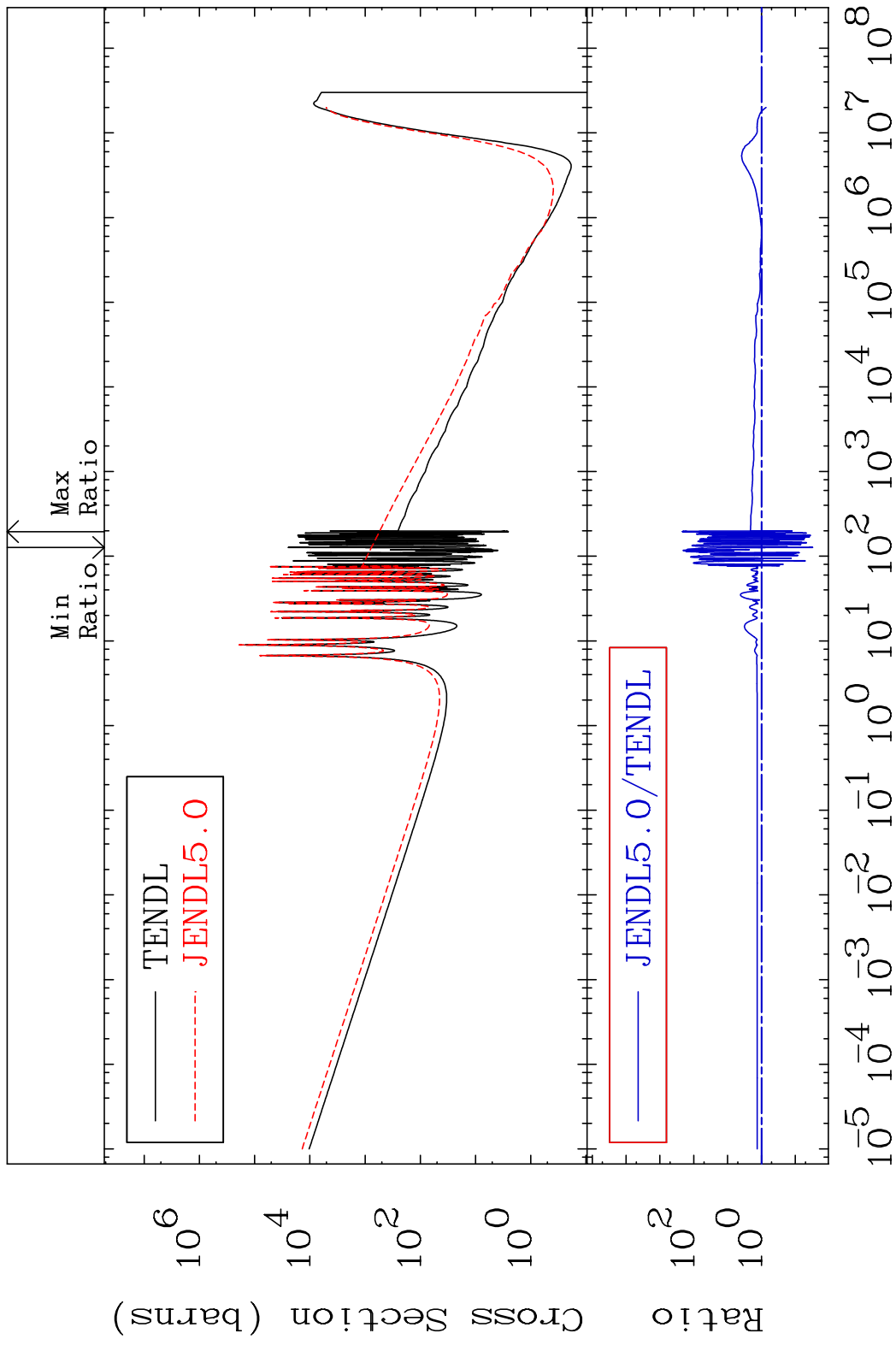
Incident Energy (eV)

76-Os-189

MAT 7640 Dpa inelastic (mt51-91) 76-0s-189
 Cross Section 46.59 To 9999. %



MAT 7640 Dpa disappearance (mt102 -120) 76-0s-189
Cross Section -96.91 To 9999. %

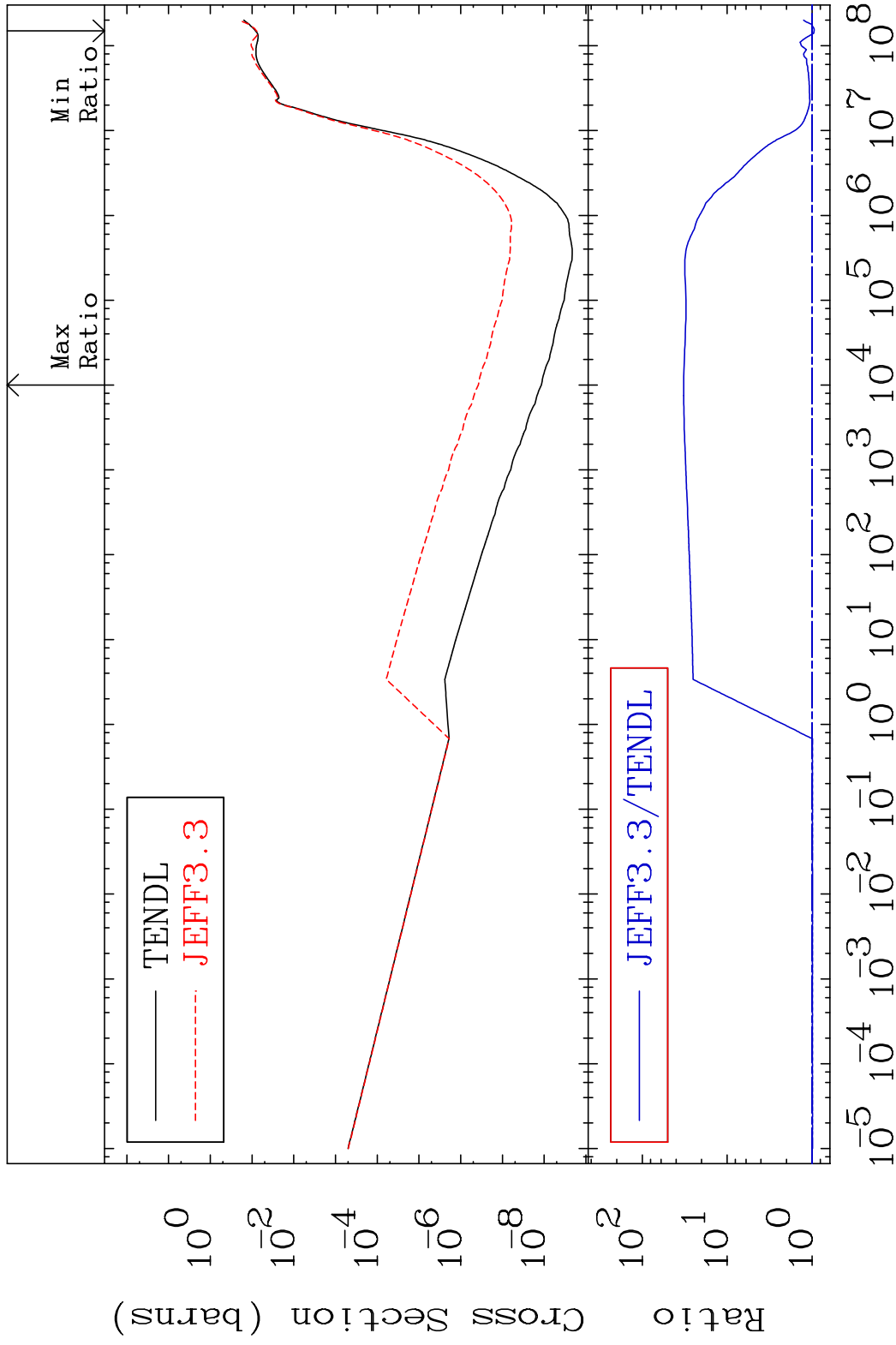


MAT 7640

He-4 Production

76-0s-189

Cross Section -5.409 To 3154. %



61

Incident Energy (eV)

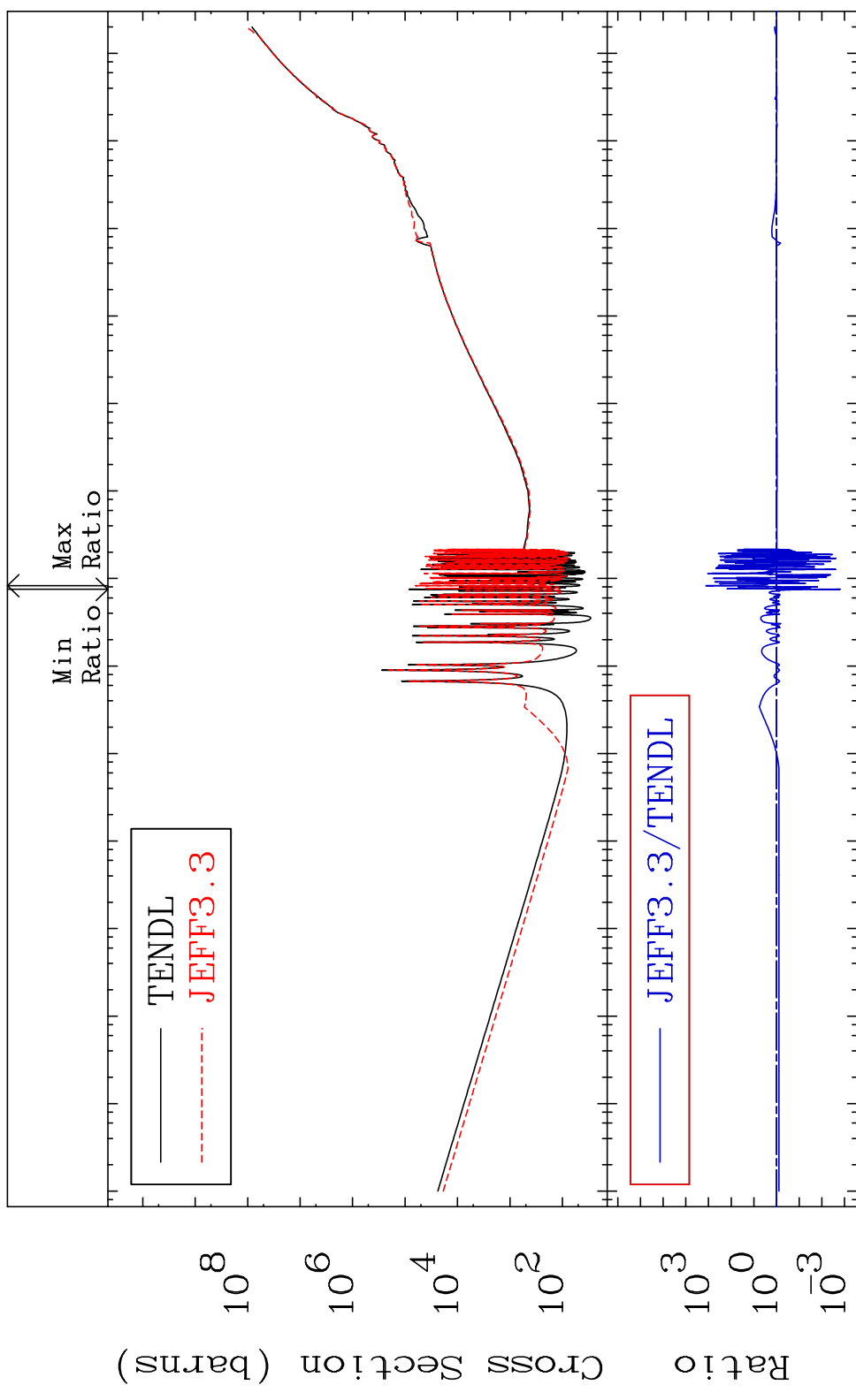
76-0s-189

MAT 7640

Kerma total (eV-barns)

76-0s-189

Cross Section -99.85 To 9999. %

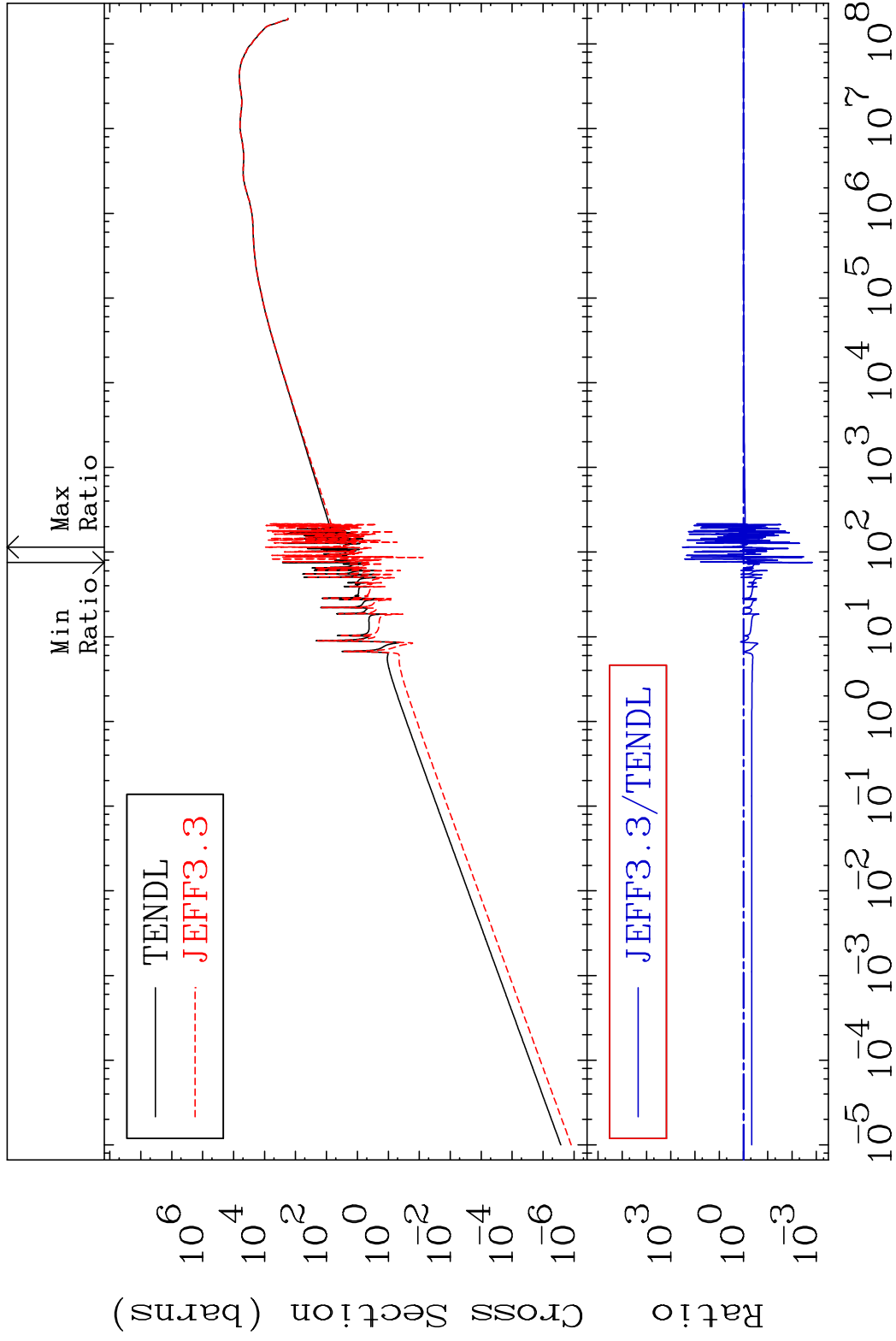


MAT 7640

Kerma elastic

76-0s-189

Cross Section -99.86 To 9999. %

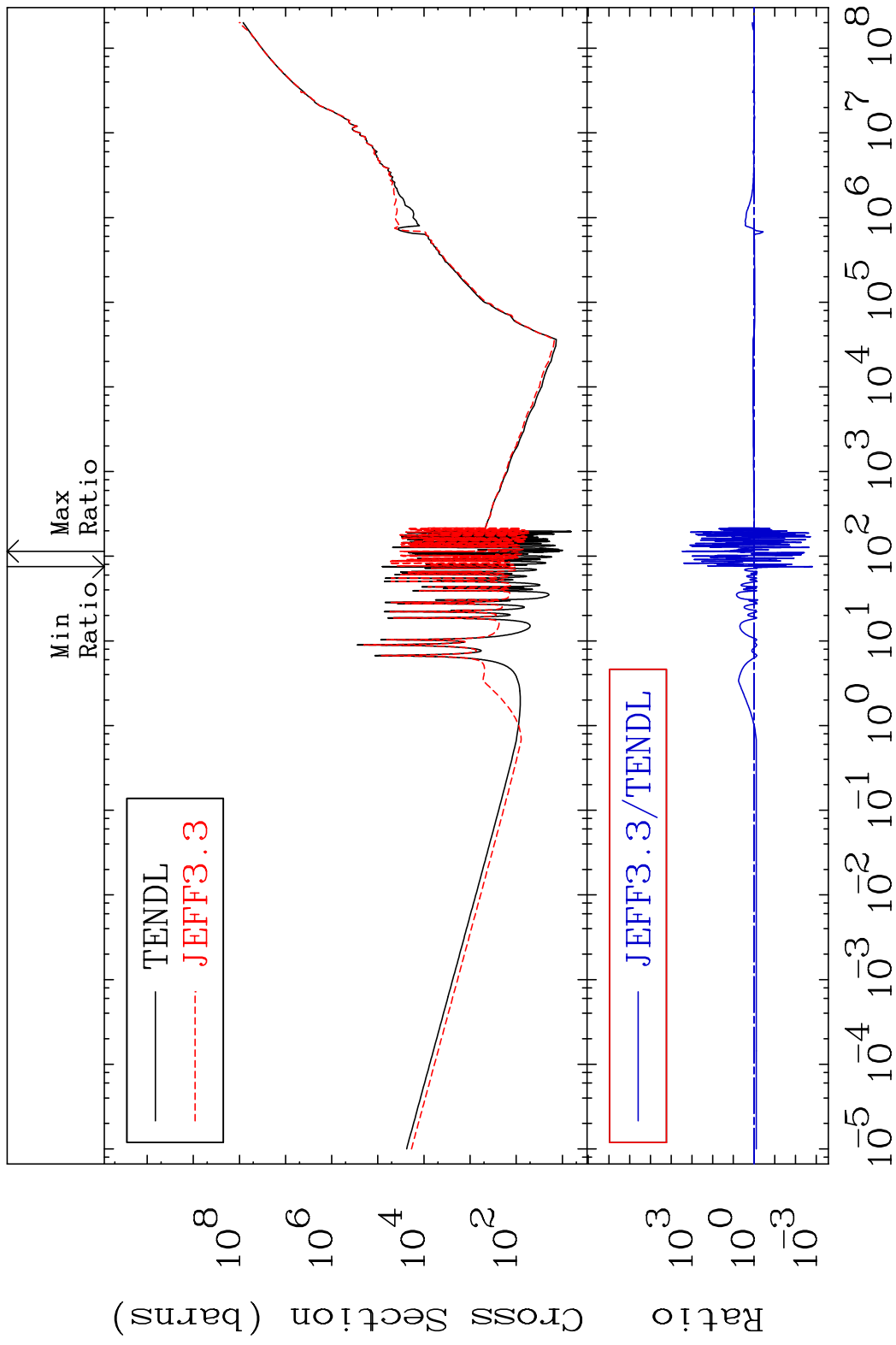


63

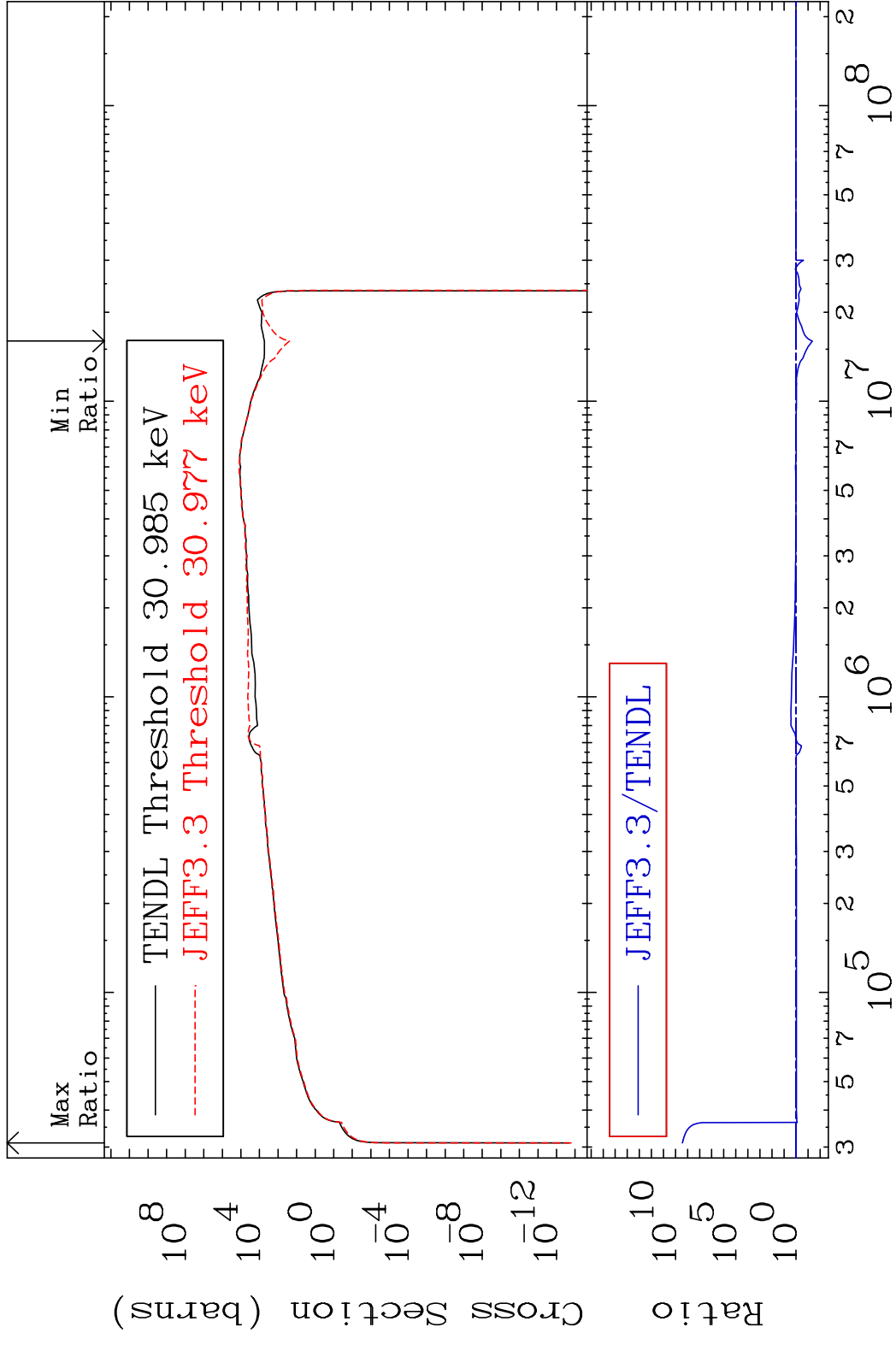
Incident Energy (eV)

76-0s-189

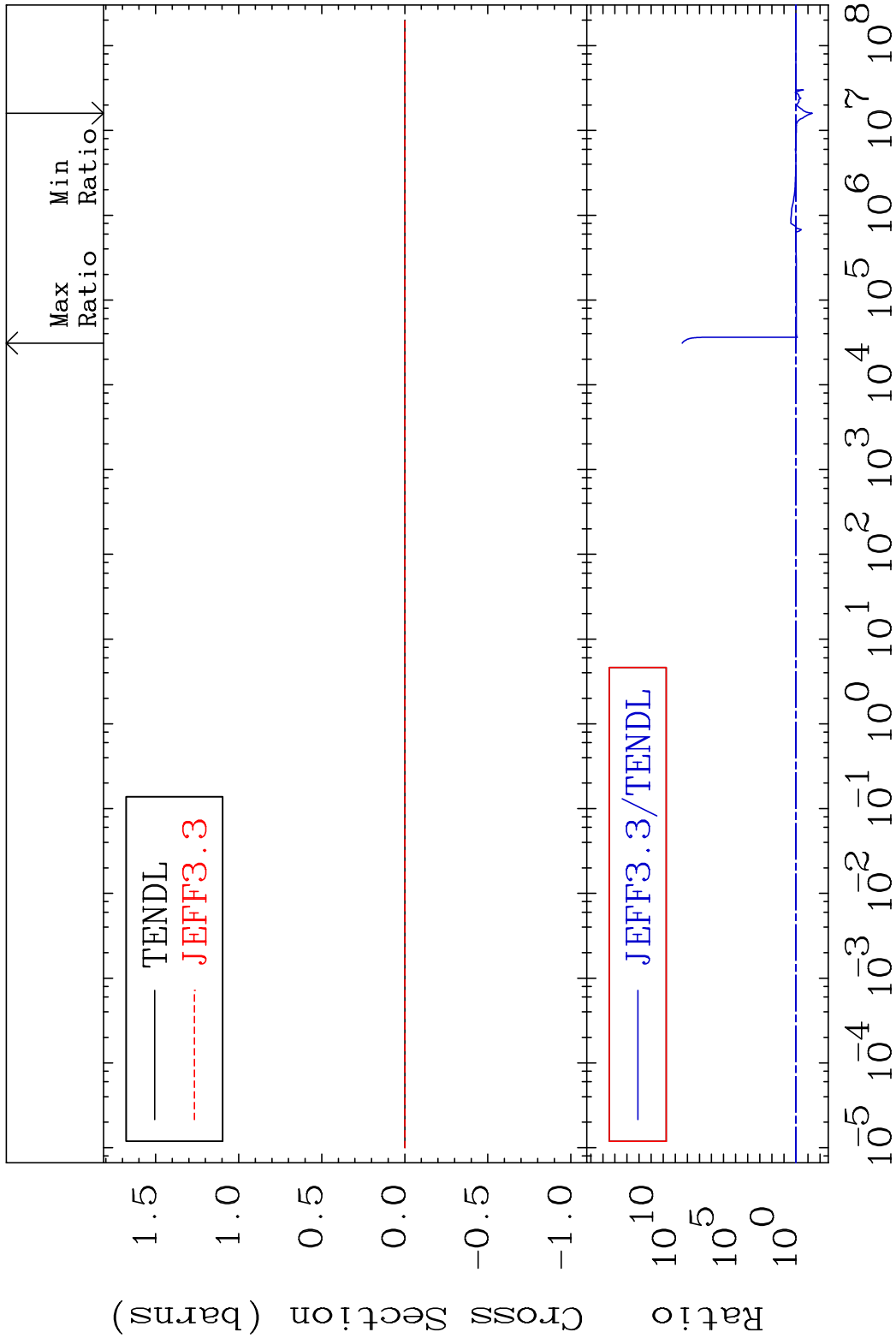
MAT 7640 Kerma non-elastic (all but mt2) 76-0s-189
 Cross Section -99.85 To 9999. %



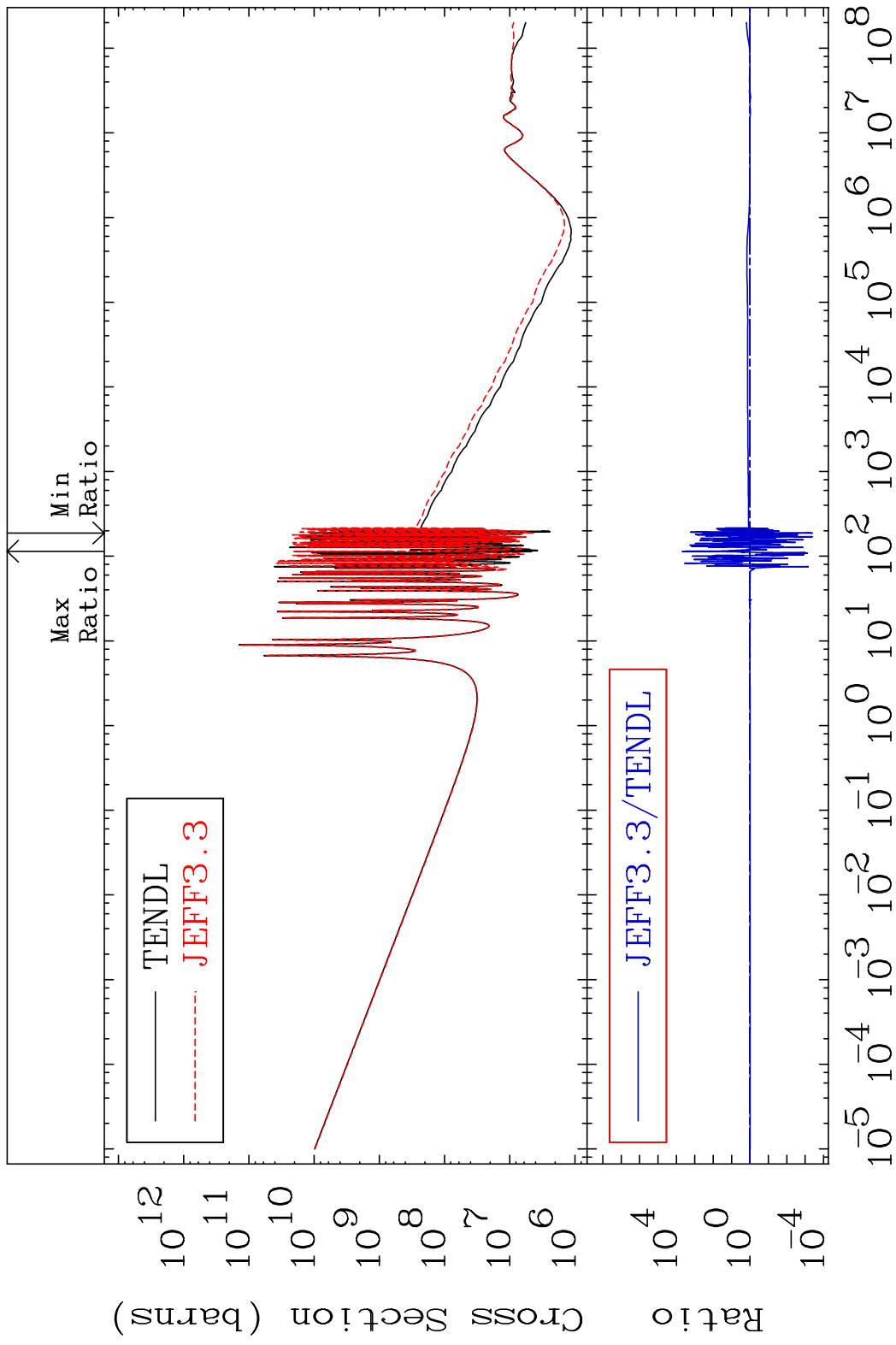
MAT 7640 Kerma inelastic (mt51-91) 76-Os-189
 Cross Section -95.71 To 9999. %



MAT 7640 Kerma fission (mt18 or mt19-20-21-38)76-0s-189
 Cross Section -95.71 To 9999. %

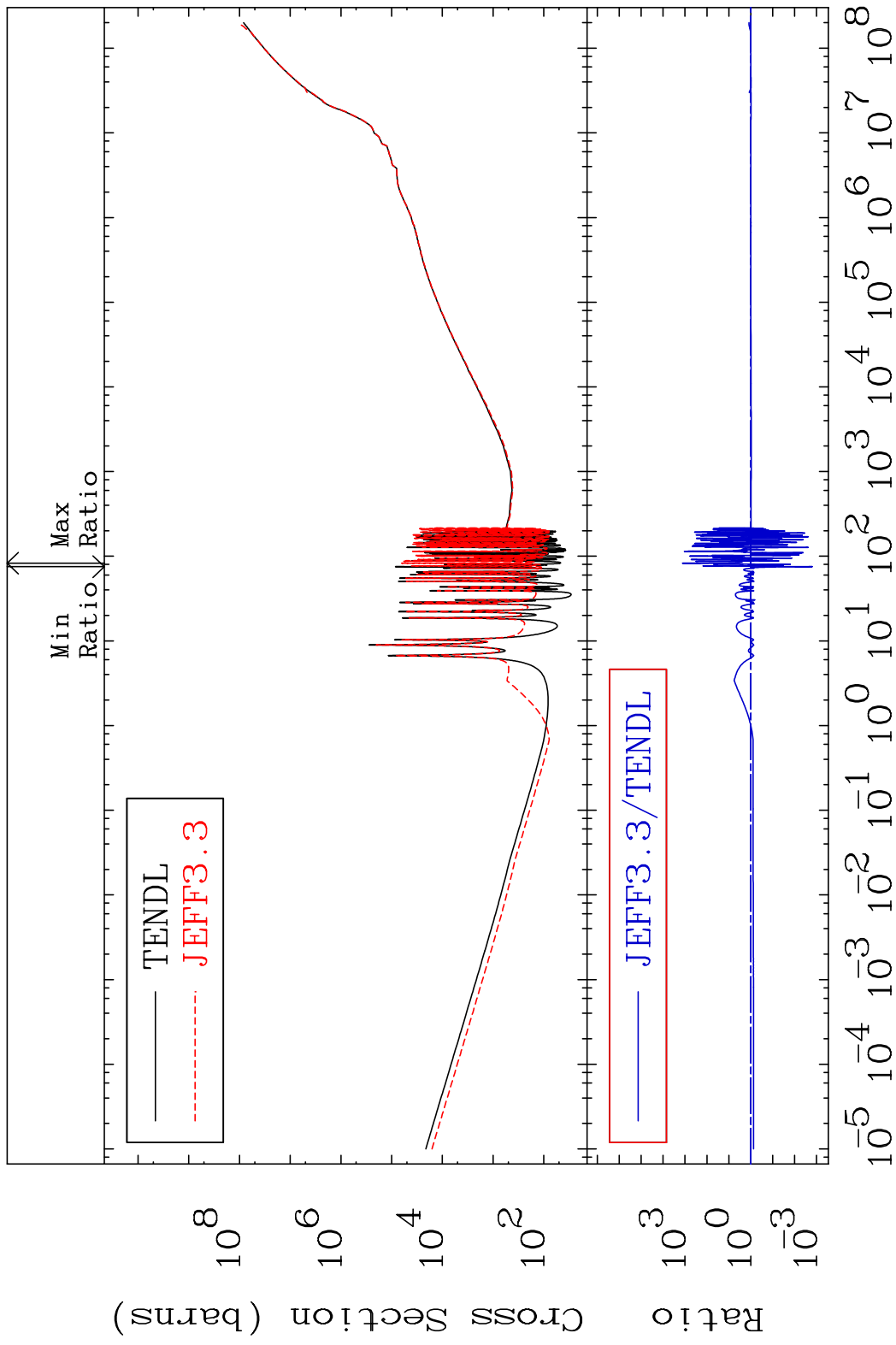


MAT 7640 Total photon (eV-barns) 76-0s-189
 Cross Section -99.96 To 9999. %



68 Incident Energy (eV) 76-0s-189

MAT 7640 Total kinematic kerma (high limit) 76-0s-189
 Cross Section -99.85 To 9999. %

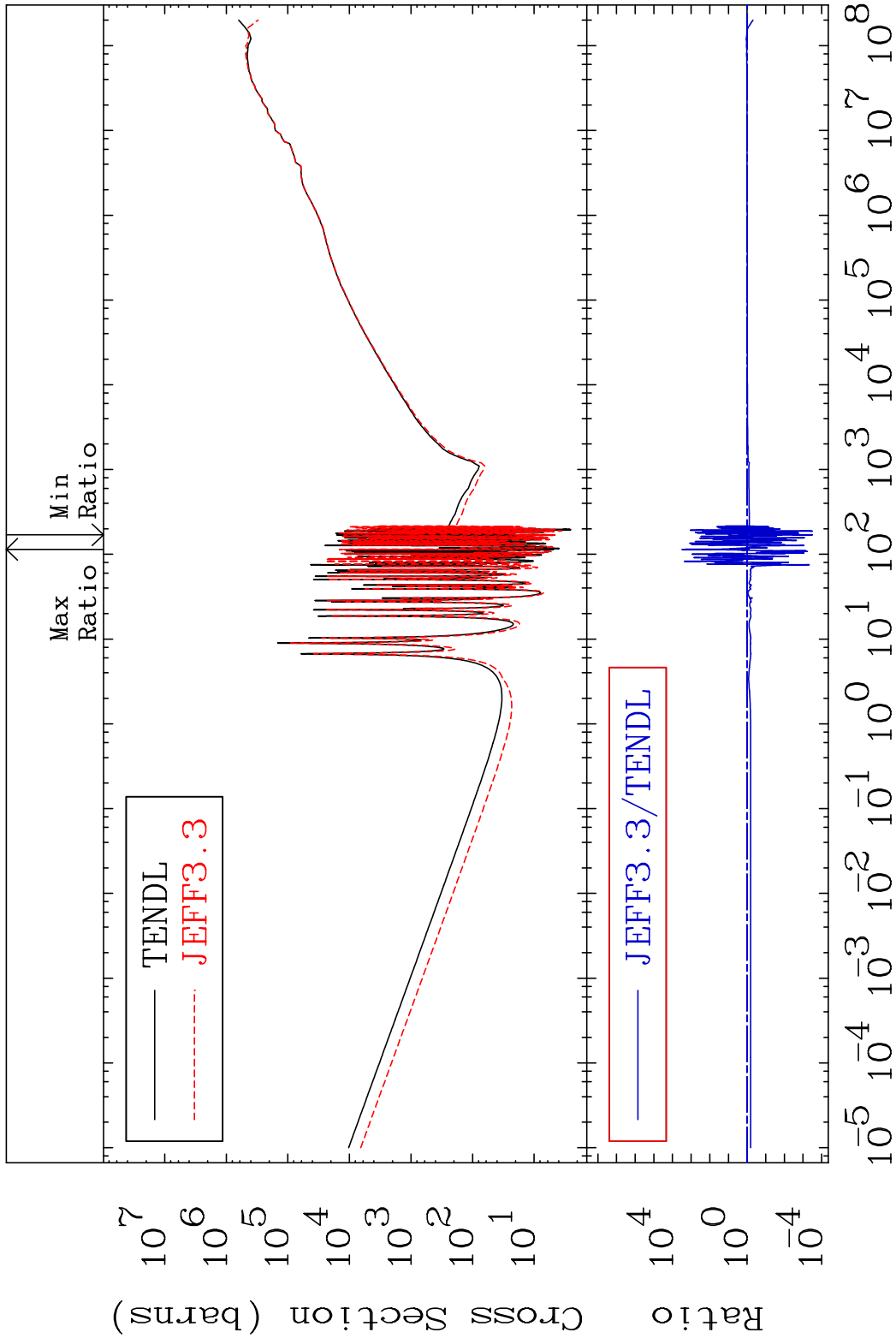


MAT 7640

Dpa total (eV-barns)

76-0s-189

Cross Section -99.97 To 9999. %



70

Incident Energy (eV)

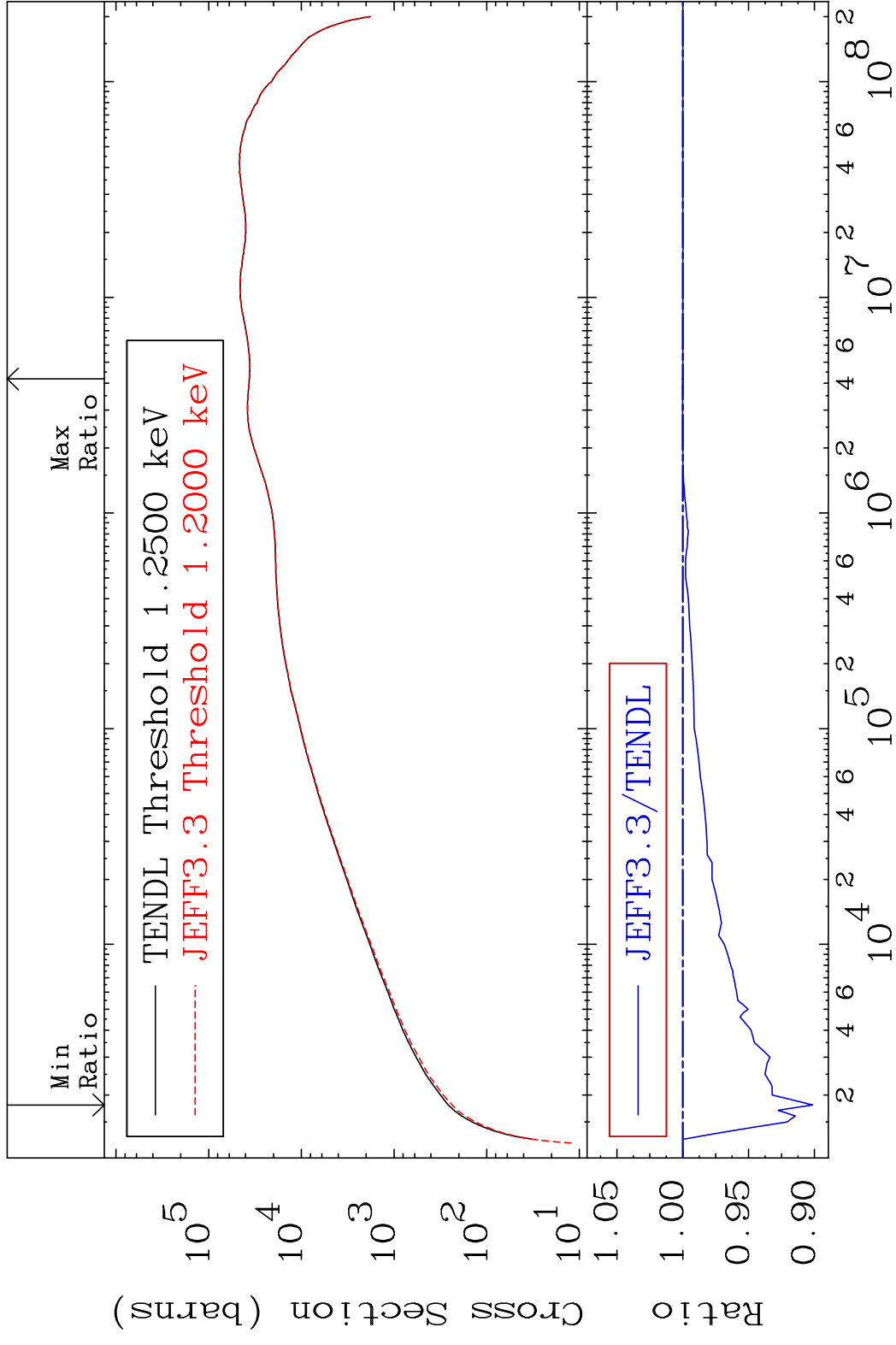
76-0s-189

MAT 7640

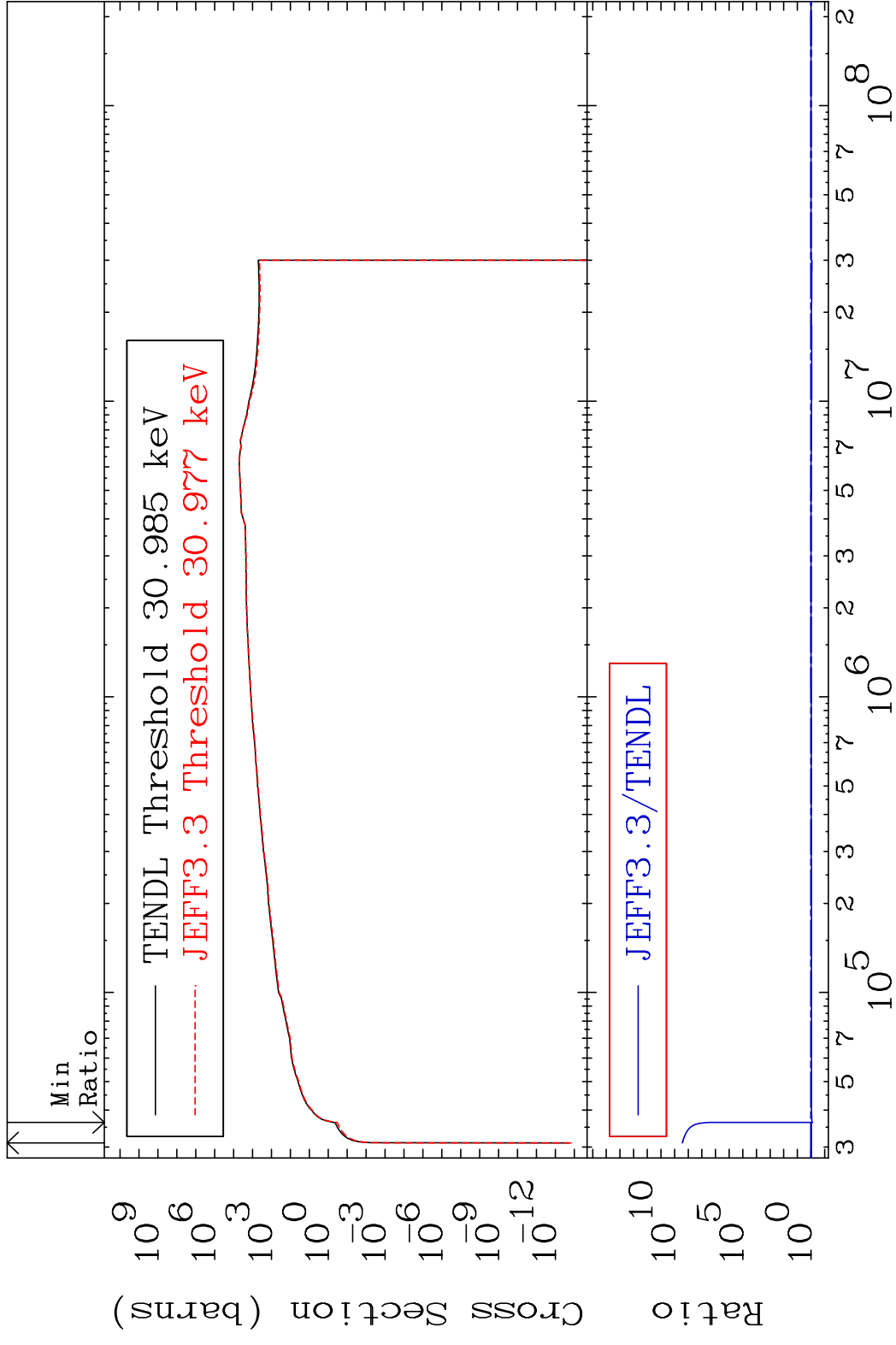
Dpa elastic (mt2)

76-0s-189

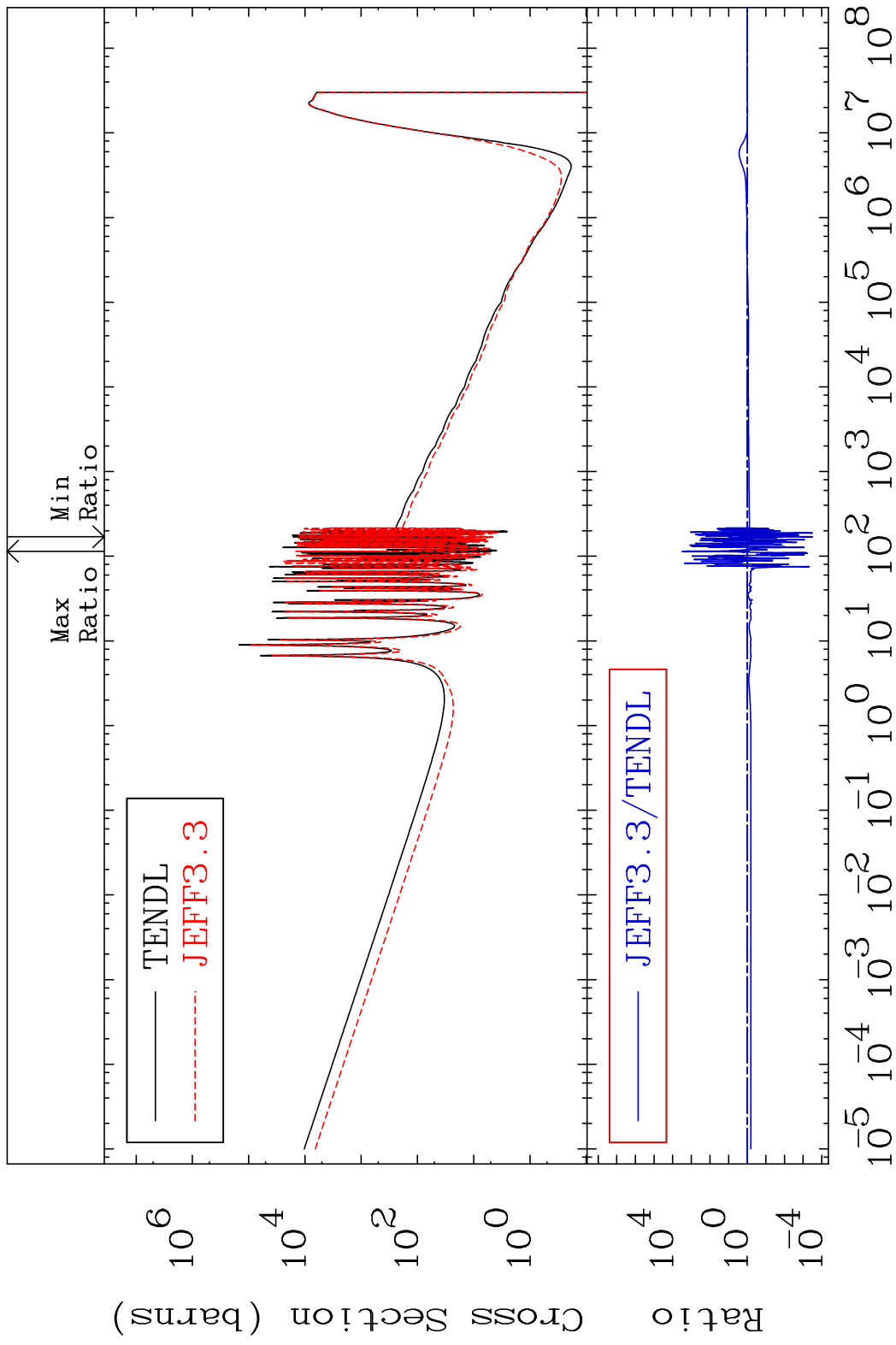
Cross Section -9.856 To 0.030 %



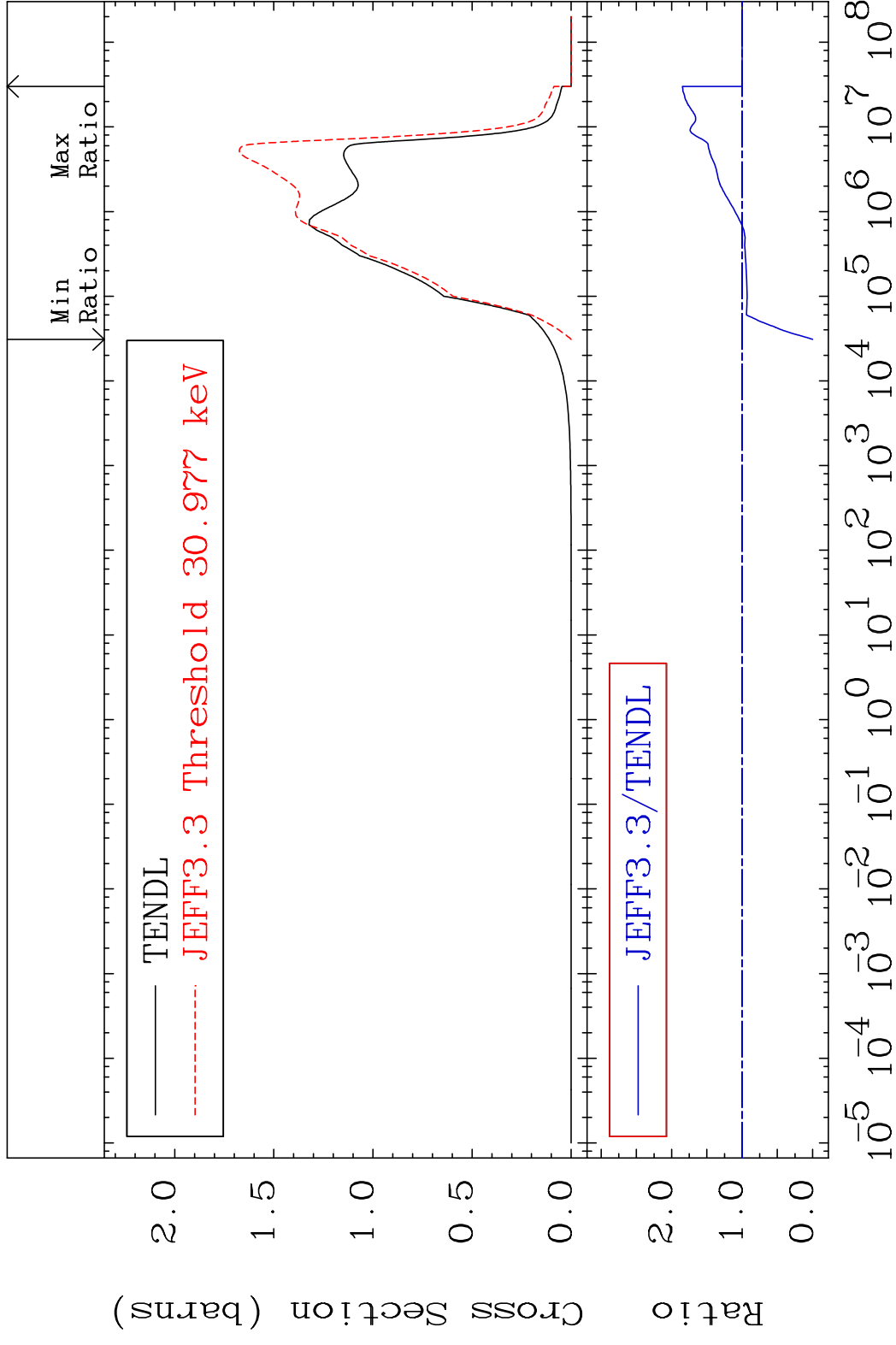
MAT 7640 Dpa inelastic (mt51-91) 76-0s-189
 Cross Section -22.56 To 9999. %



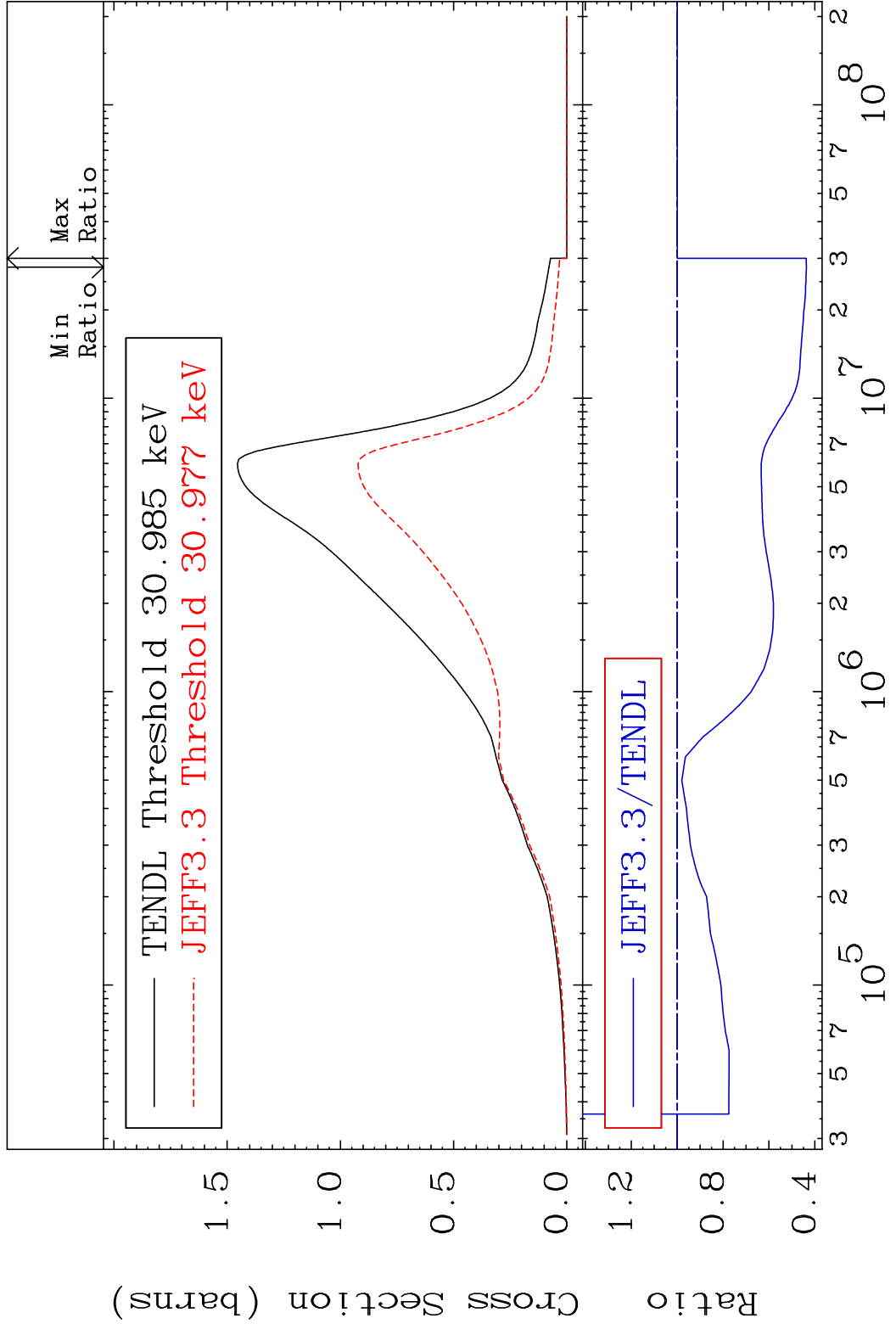
MAT 7640 Dpa disappearance (mt102 -120) 76-0s-189
 Cross Section -99.97 To 9999. %



73 Incident Energy (eV) 76-0s-189

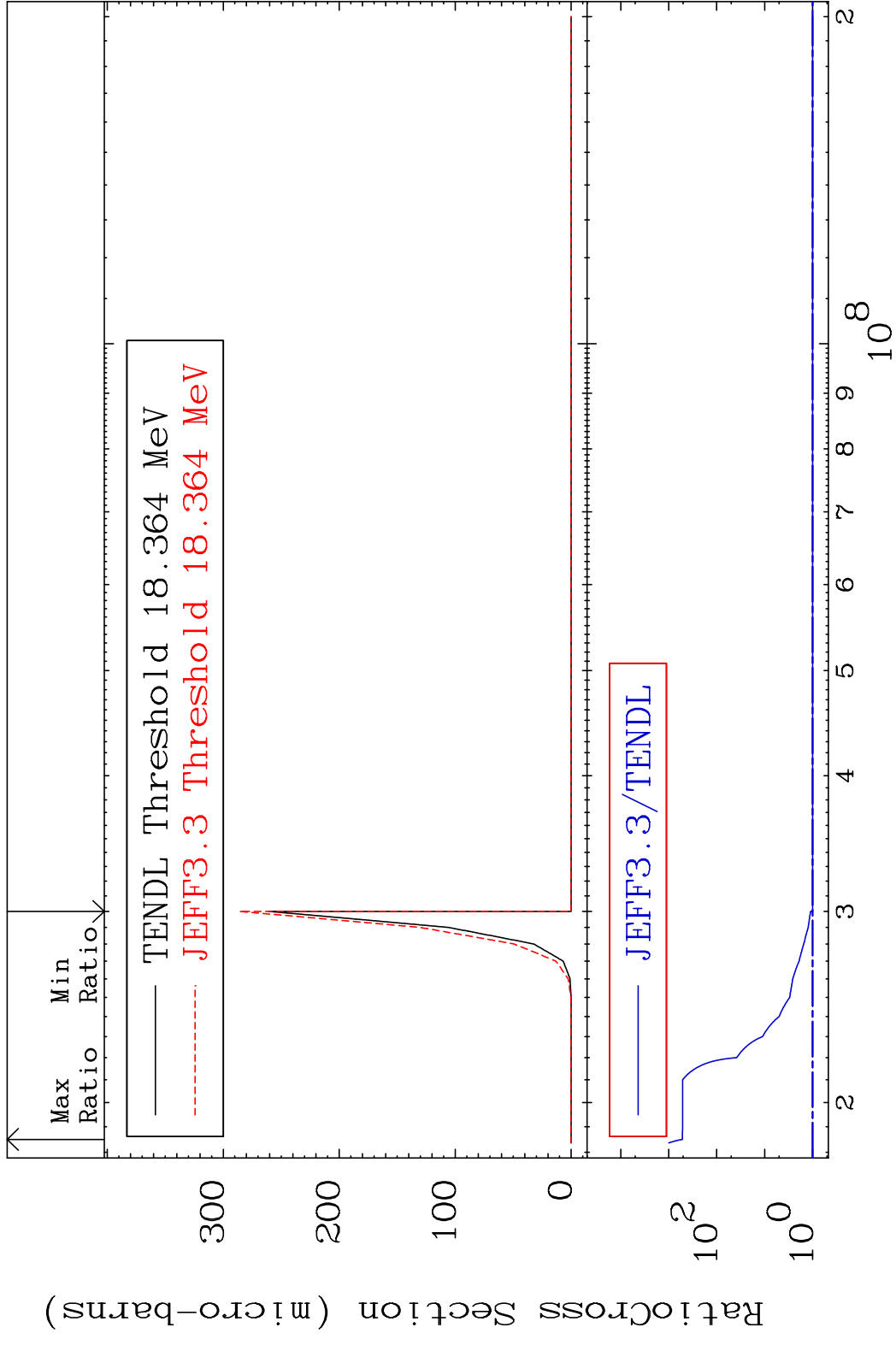


MAT 7640 Inelastic: 76-Os-189m1 76-Os-189
 Radionuclide Production Cross Section 0.000 %

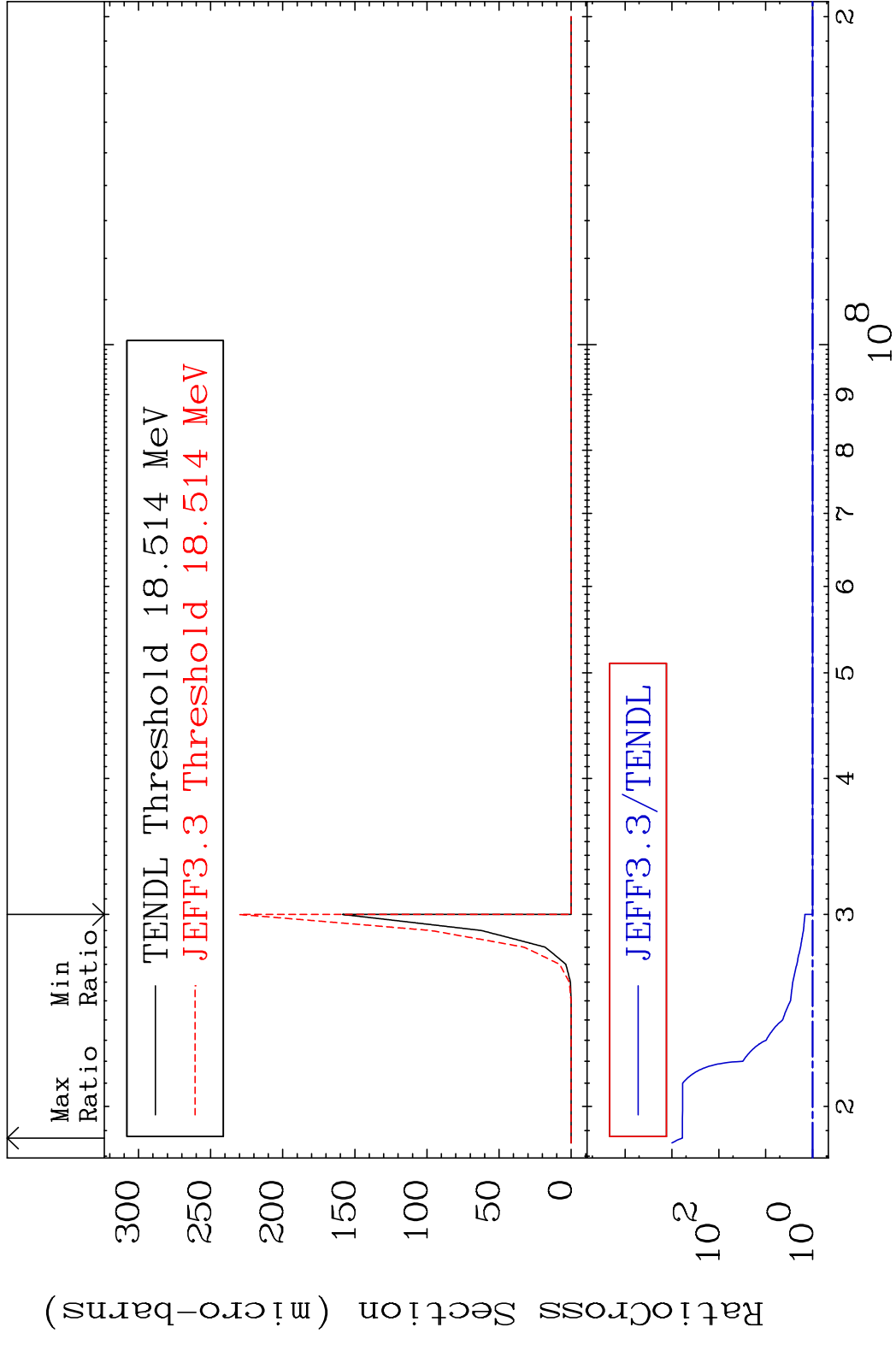


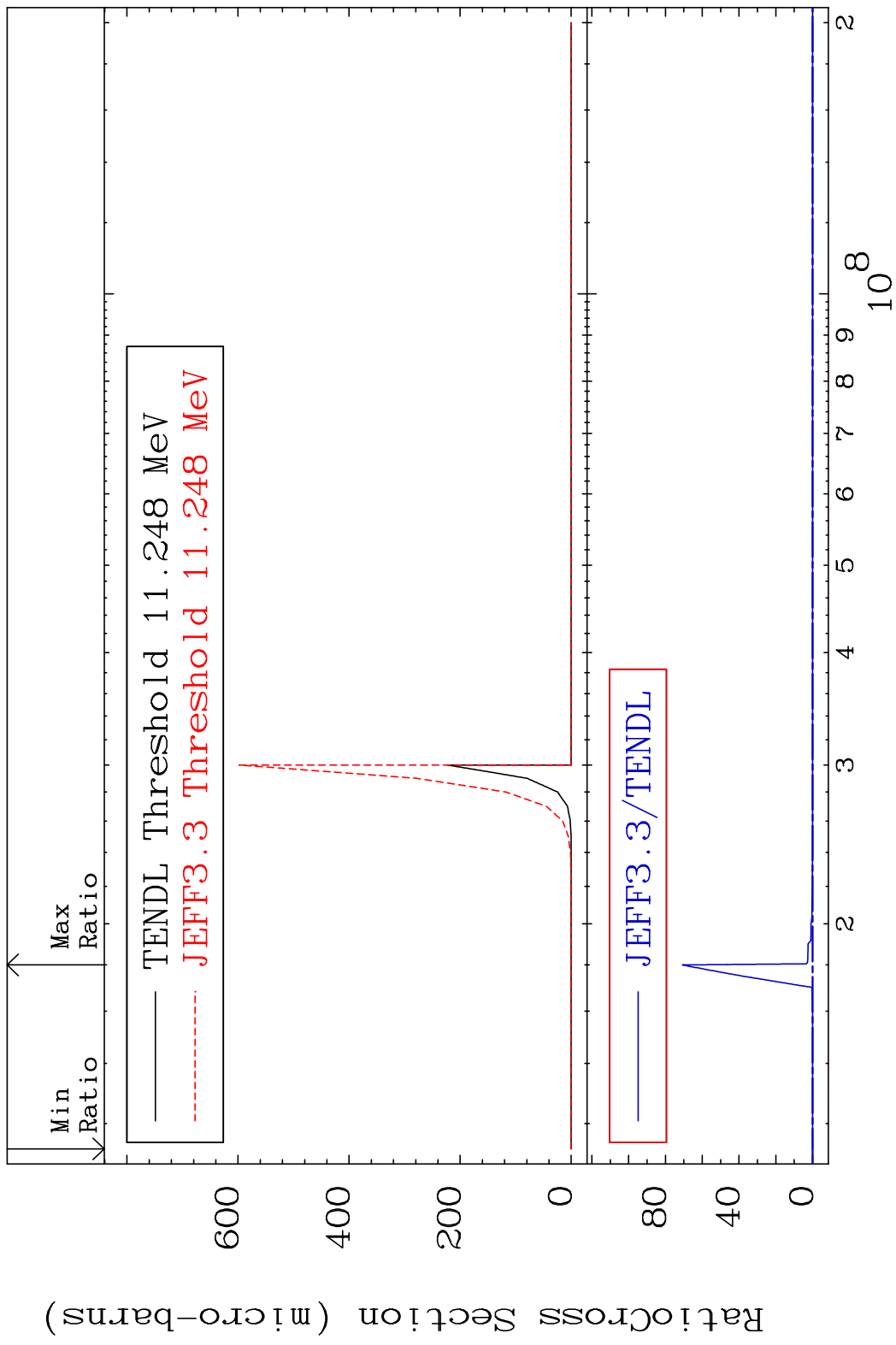
75 Incident Energy (eV) 76-Os-189

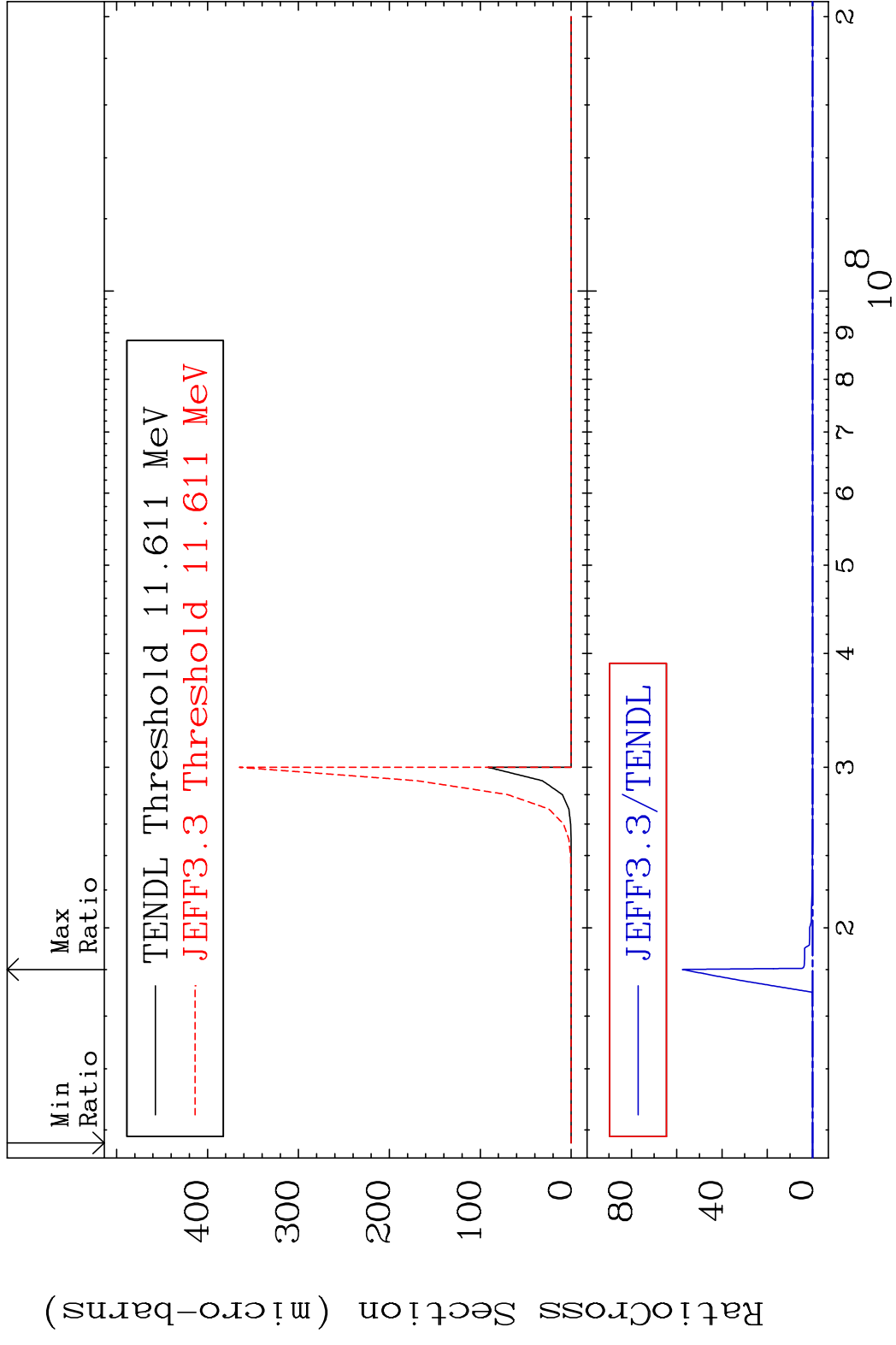
MAT 7640 (n,2n) d:75-Re-186g 76-0s-189
 Radionuclide Production Cross Section 9999. %



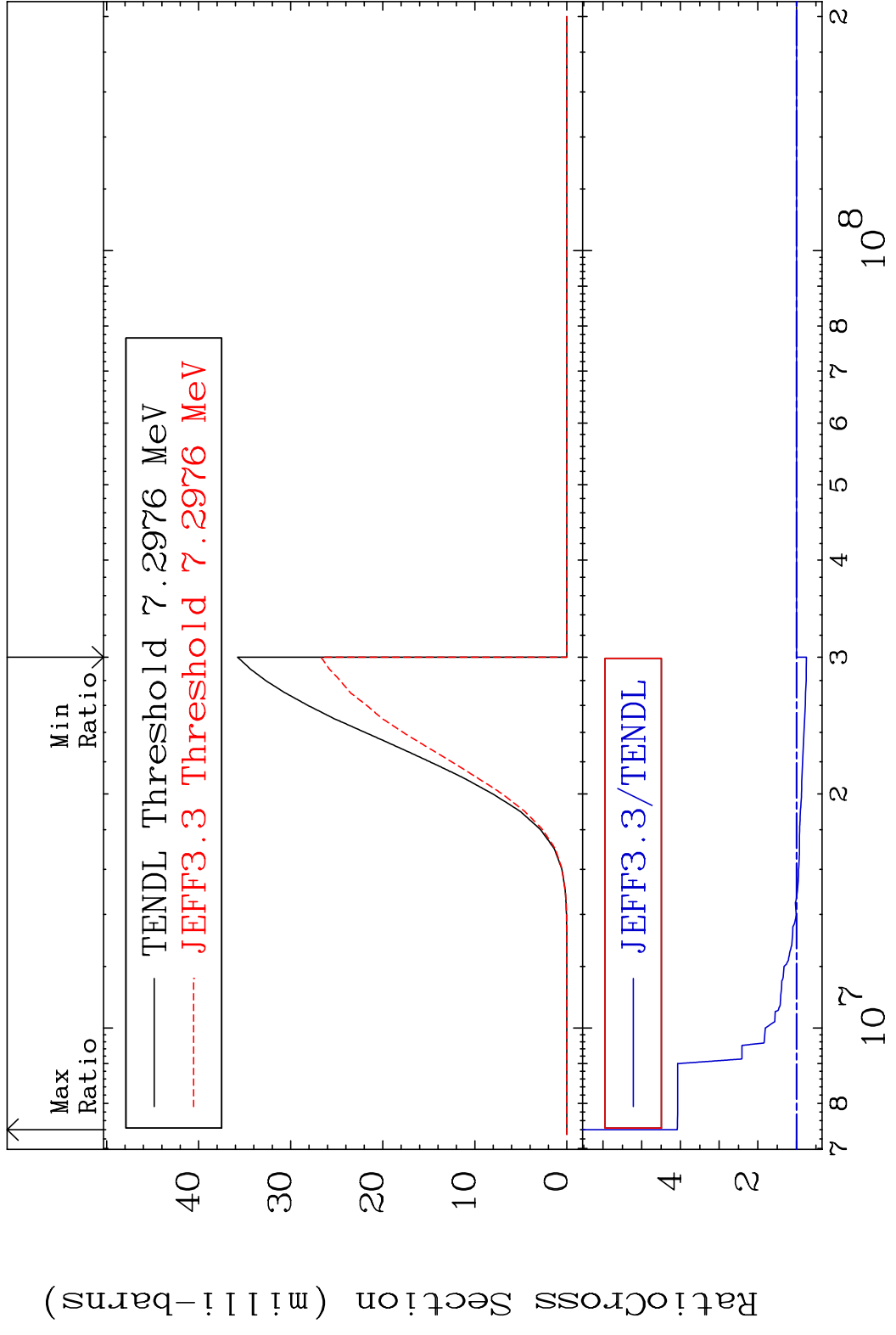
76 Incident Energy (eV) 76-0s-189







MAT 7640 (n, n') p:75-Re-188g 76-0s-189
 Radionuclide Production Cross Section 308.5 %



80 76-0s-189

MAT 7640 (n, n') t:75-Re-186g 76-0s-189
 Radionuclide Production Cross Section 15e30 d10 288.0 %

