

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

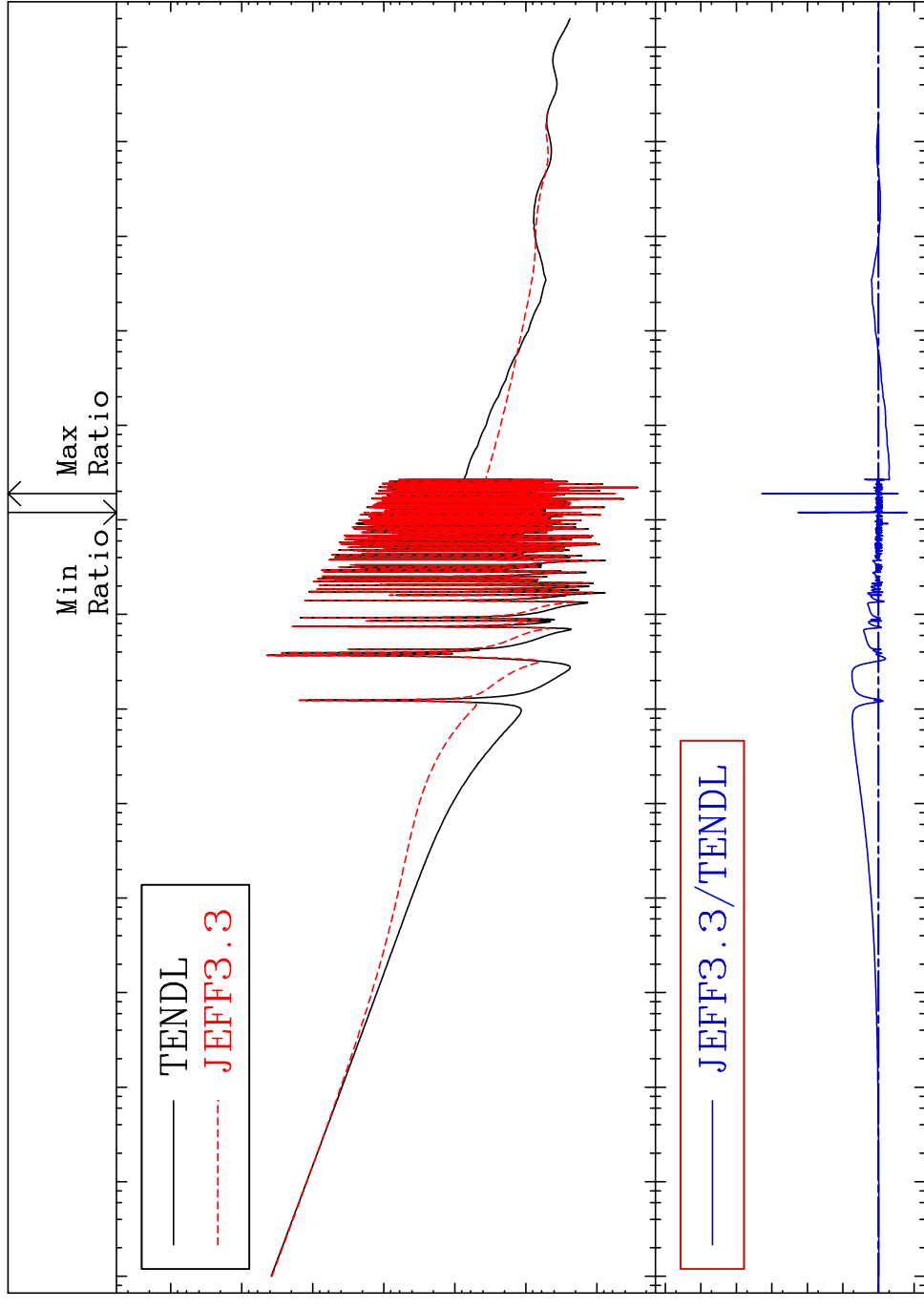
MAT 6425

Total

64-Gd-152

Cross Section

-84.44 To 9999. %



1

Incident Energy (eV)

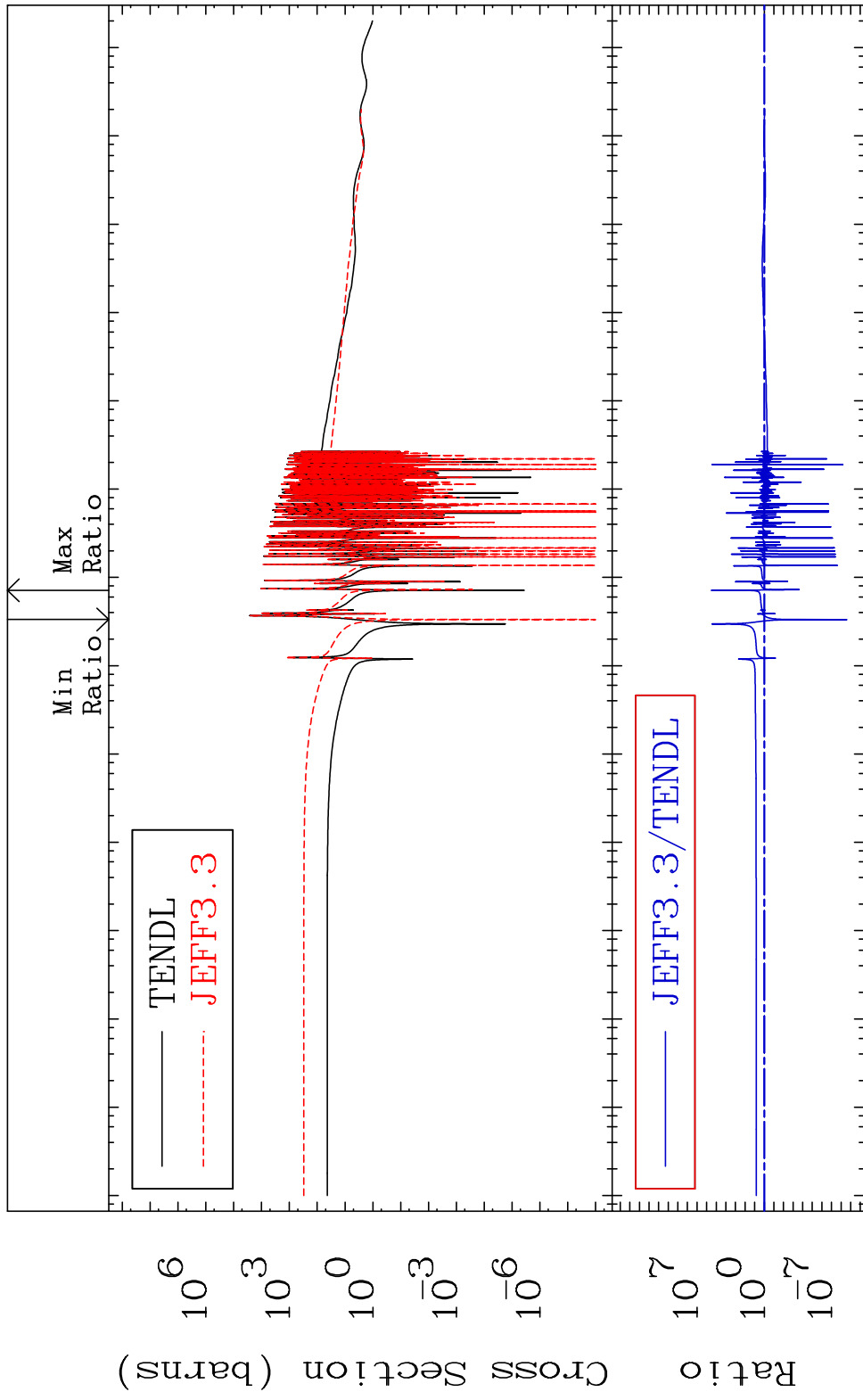
64-Gd-152

MAT 6425

Elastic

64-Gd-152

Cross Section -100.0 To 9999. %

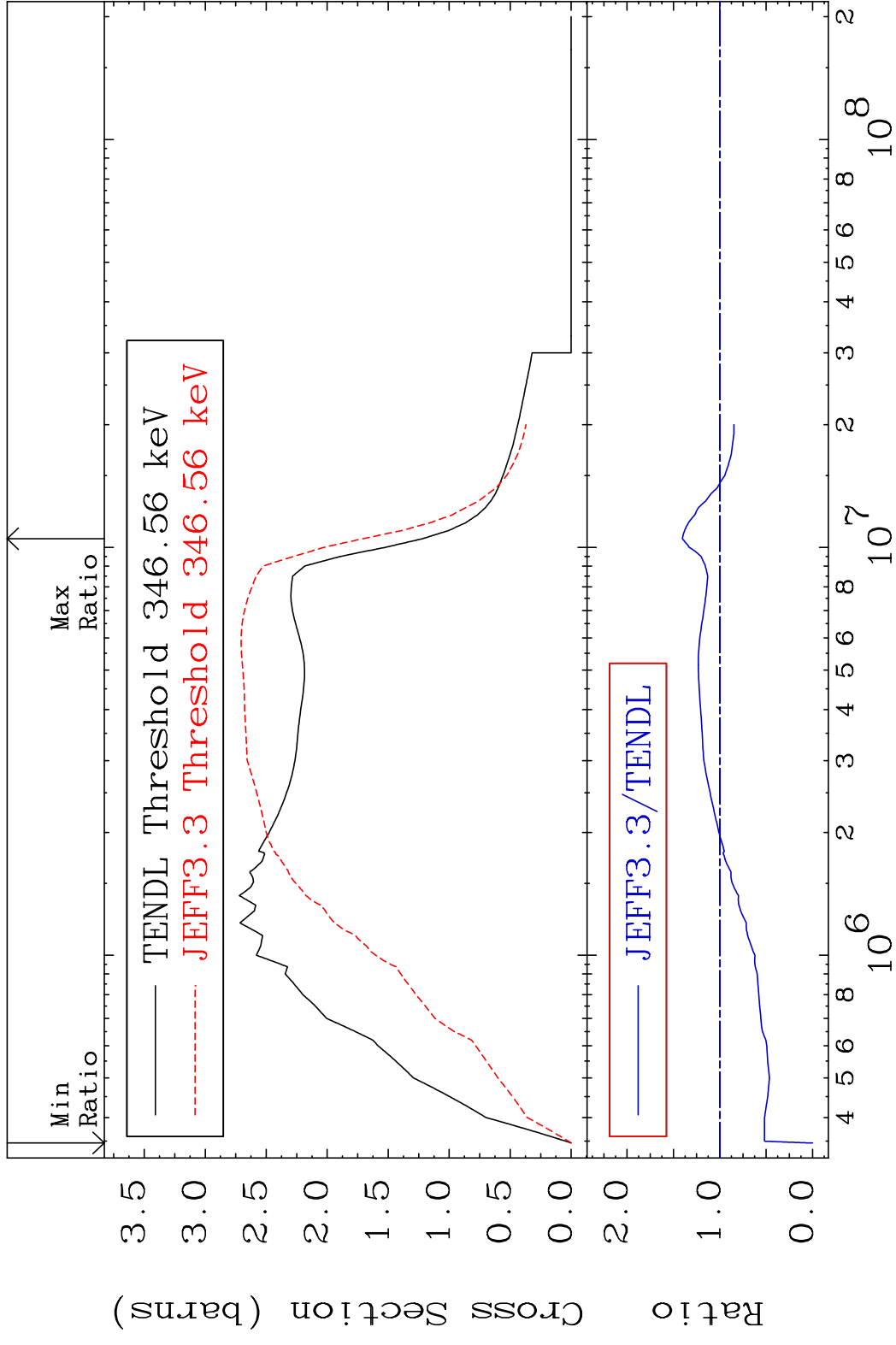


2

Incident Energy (eV)

64-Gd-152

MAT 6425 Inelastic 64-Gd-152
 Cross Section -100.0 To 40.39 %

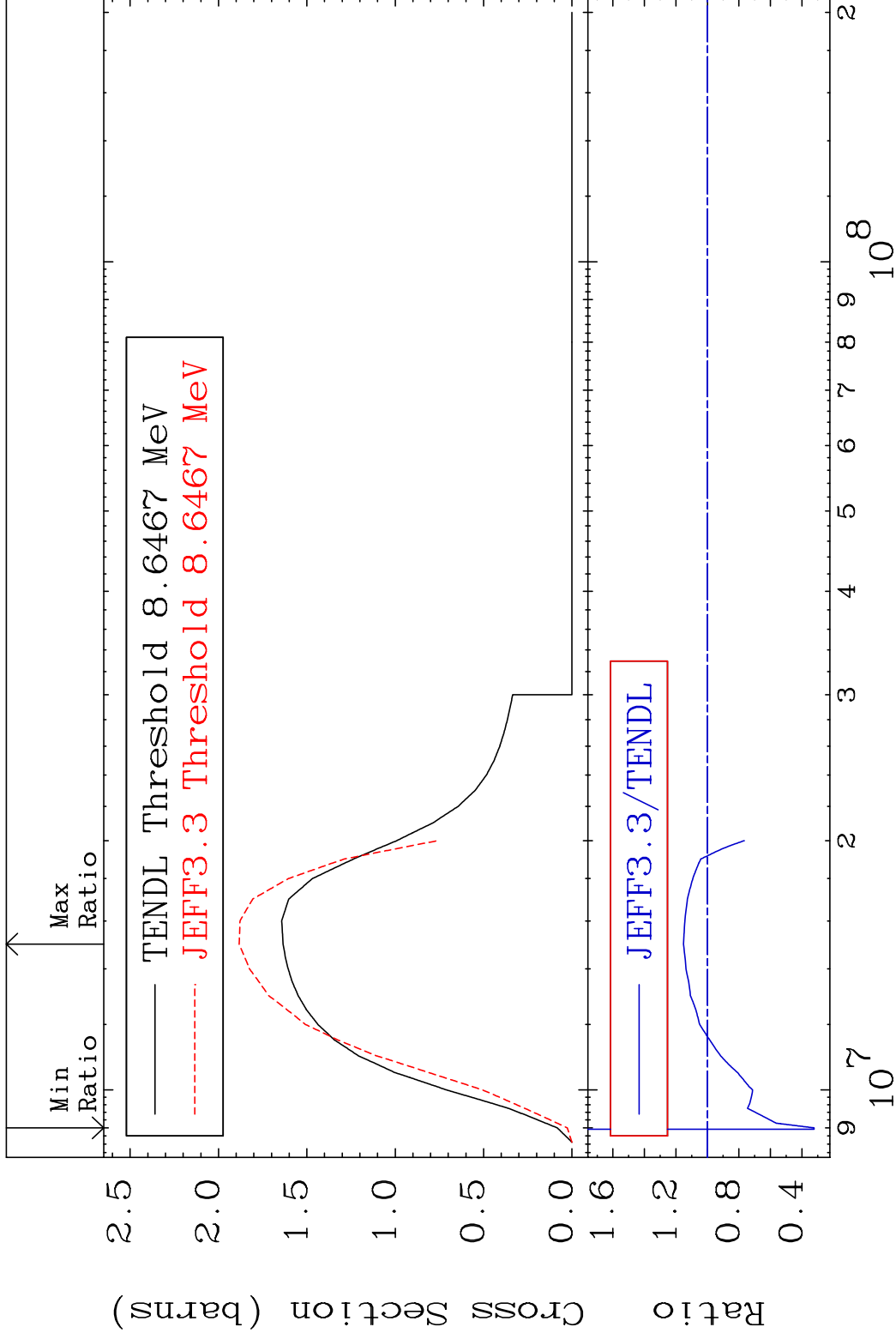


MAT 6425

(n,2n)

64-Gd-152

Cross Section -67.69 To 15.21 %



4

Incident Energy (eV)

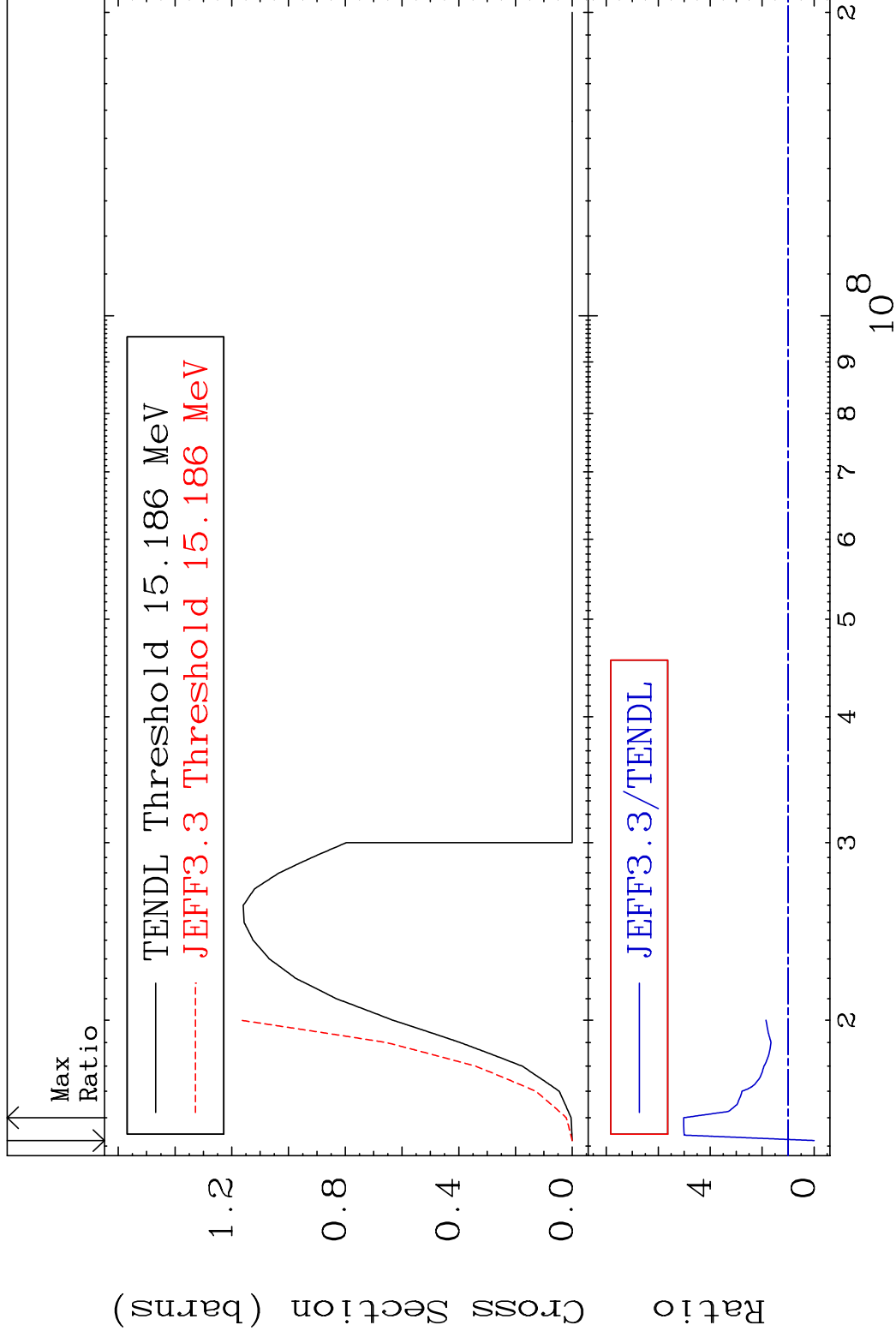
64-Gd-152

MAT 6425

(n,3n)

64-Gd-152

Cross Section -100.0 To 402.1 %



5

Incident Energy (eV)

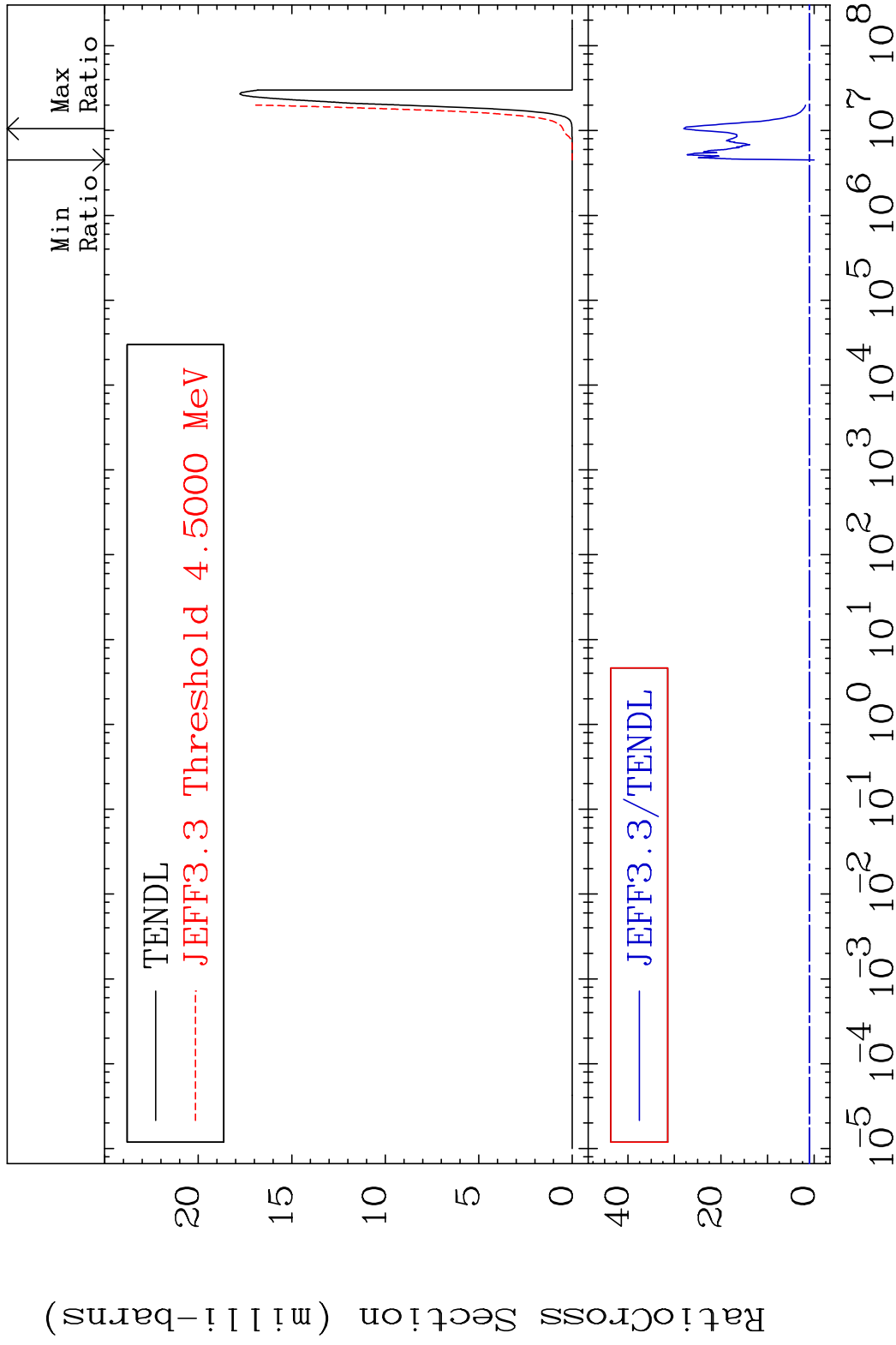
64-Gd-152

MAT 6425

(n, n') α

64-Gd-152

Cross Section -100.0 To 2702. %

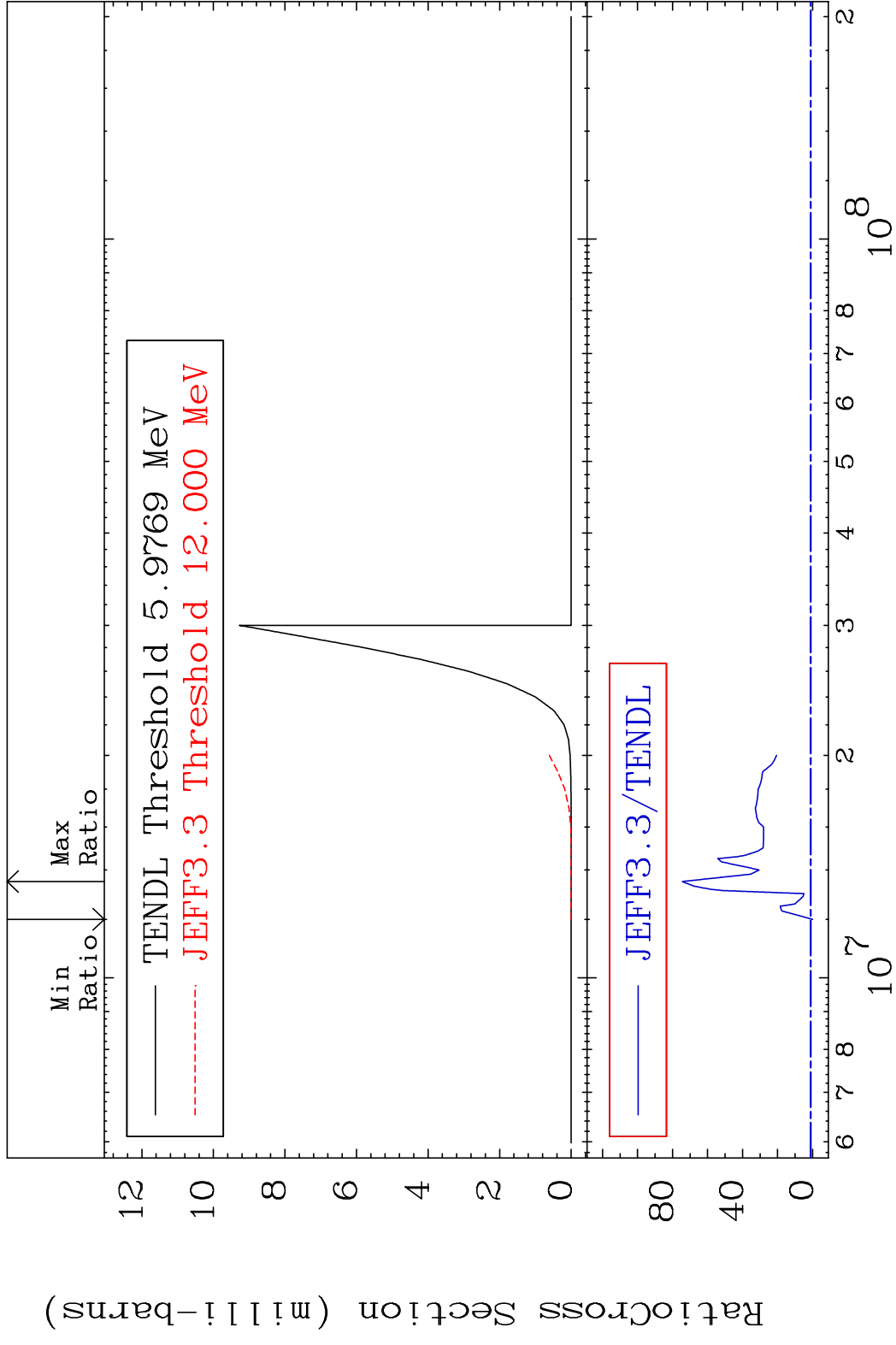


6

Incident Energy (eV)

64-Gd-152

MAT 6425 (n,2n) α 64-Gd-152
 Cross Section -100.0 To 7340. %

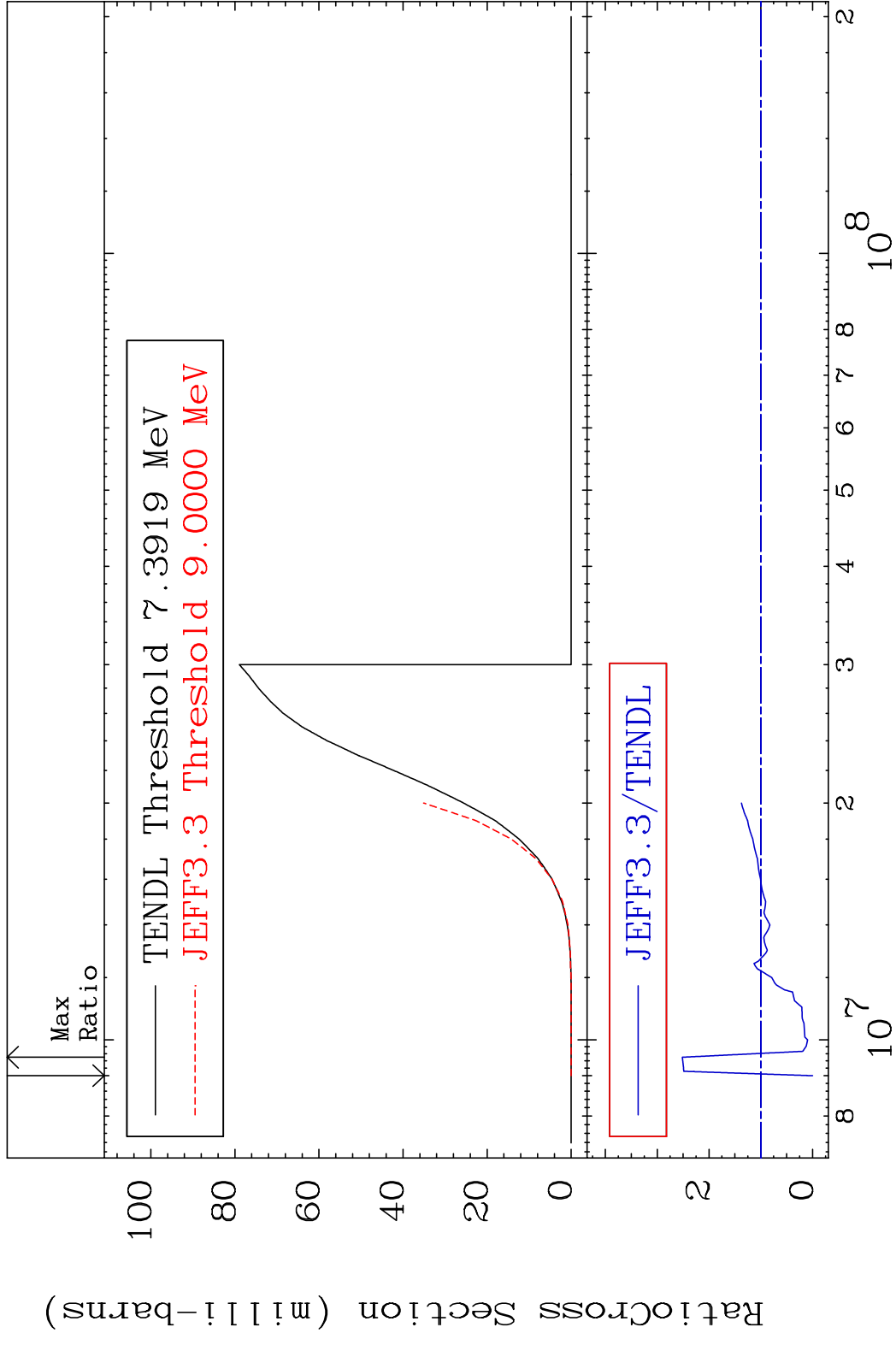


MAT 6425

(n, n') p

64-Gd-152

Cross Section -100.0 To 151.4 %



8

Incident Energy (eV)

64-Gd-152

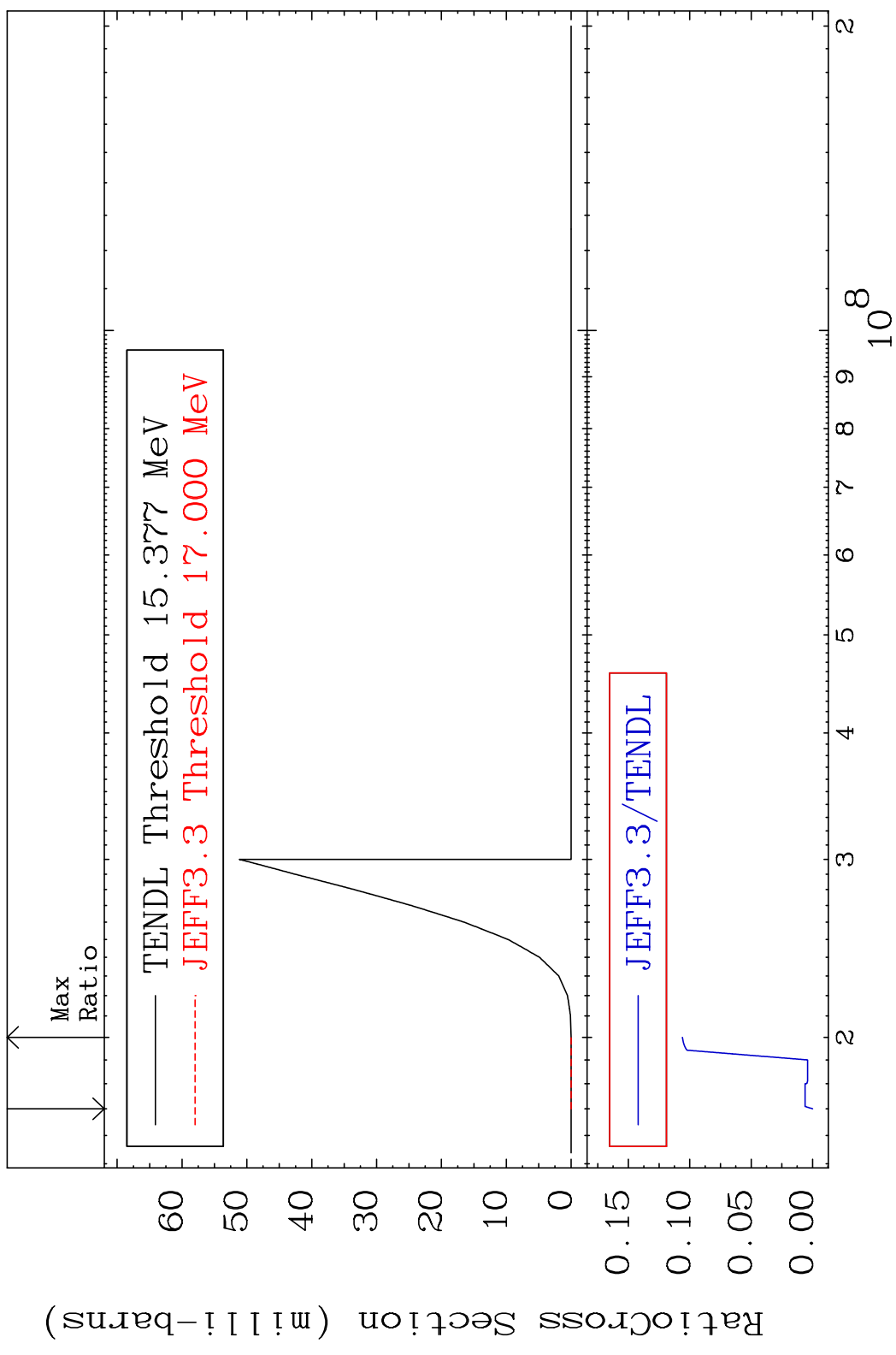
MAT 6425

(n,2n) p

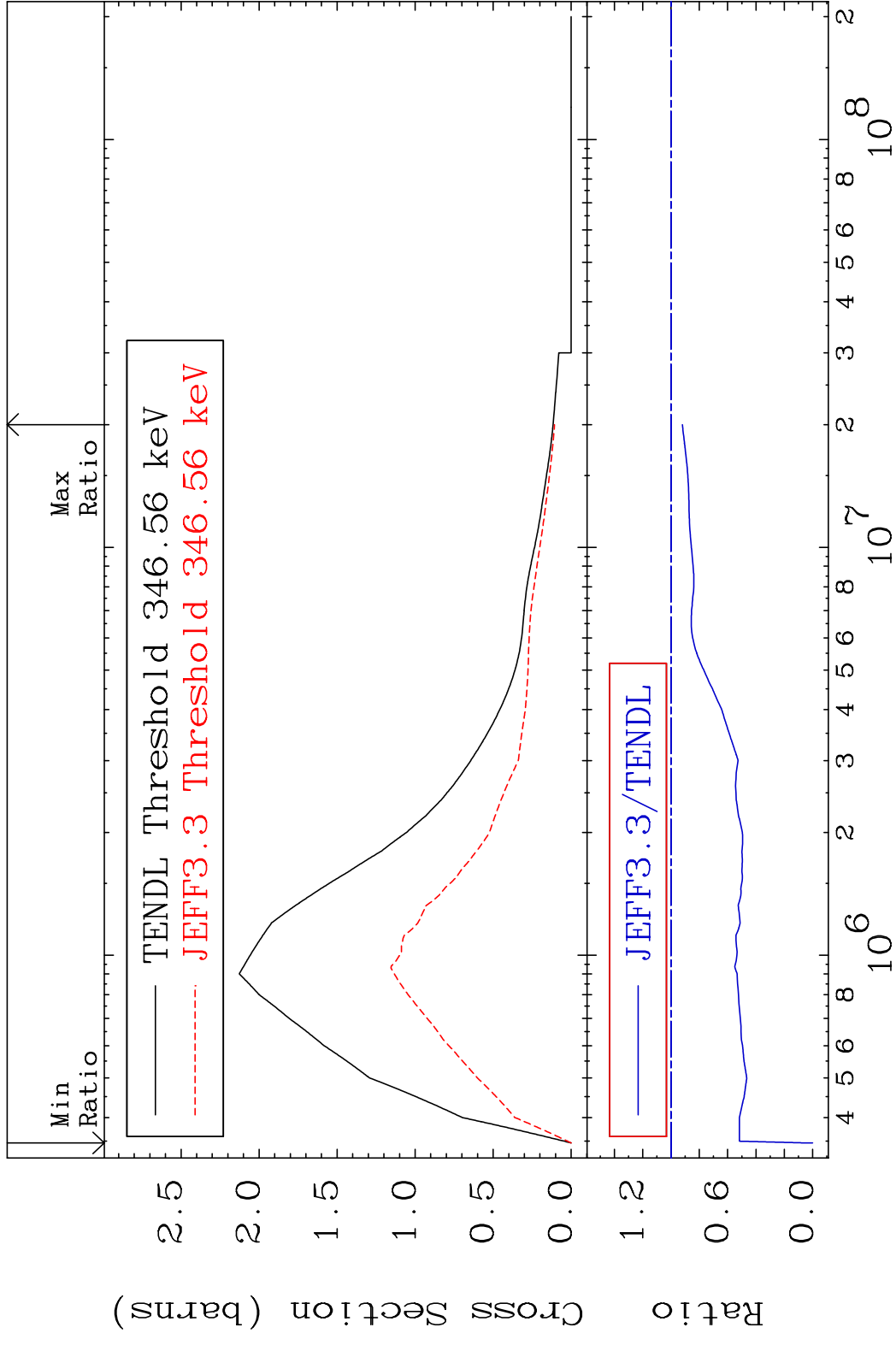
64-Gd-152

Cross Section

-100.0 To -89.40%

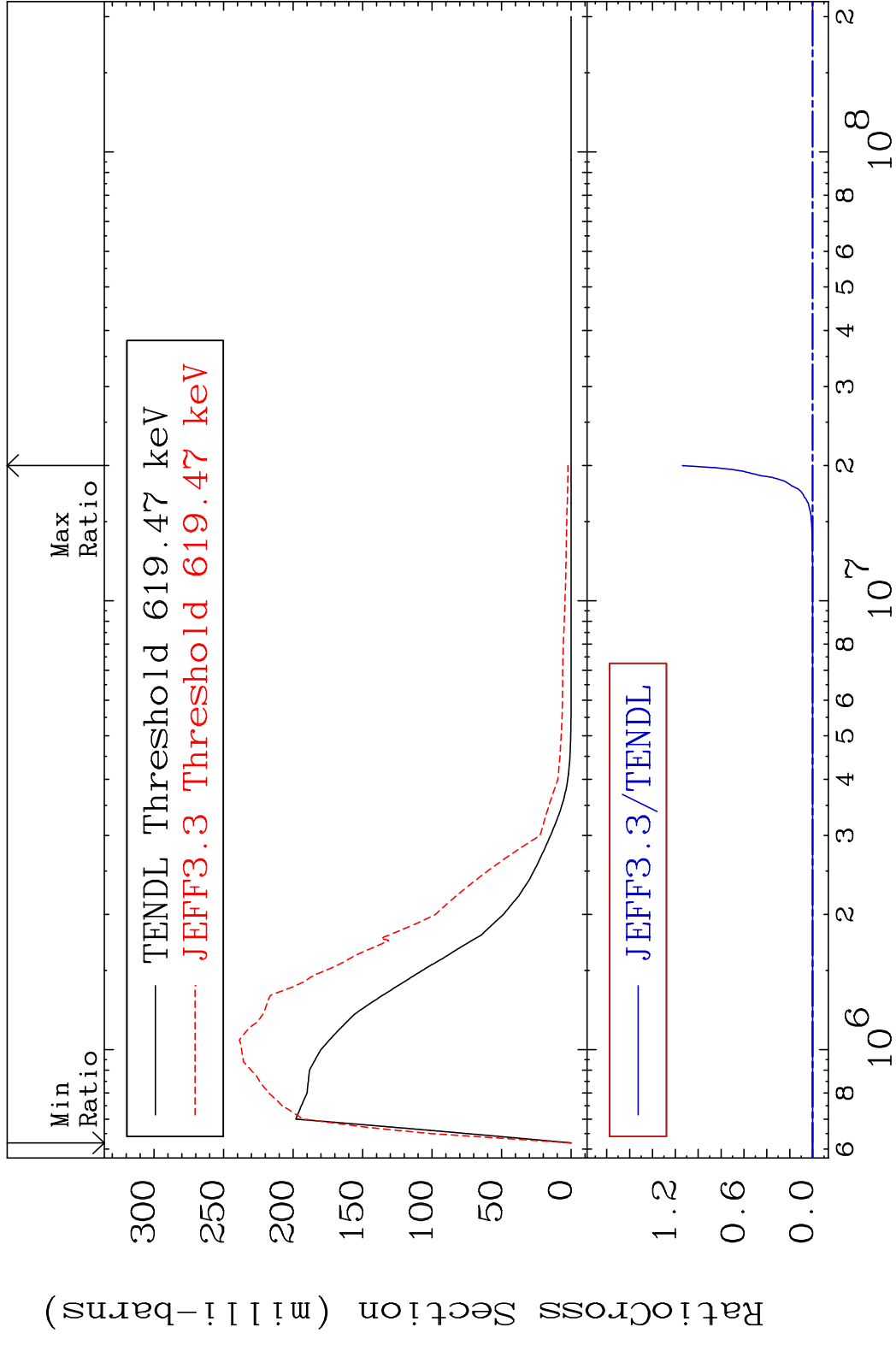


MAT 6425 MT= 51 (n, n') Level 64-Gd-152
 Cross Section -100.0 To -7.992%

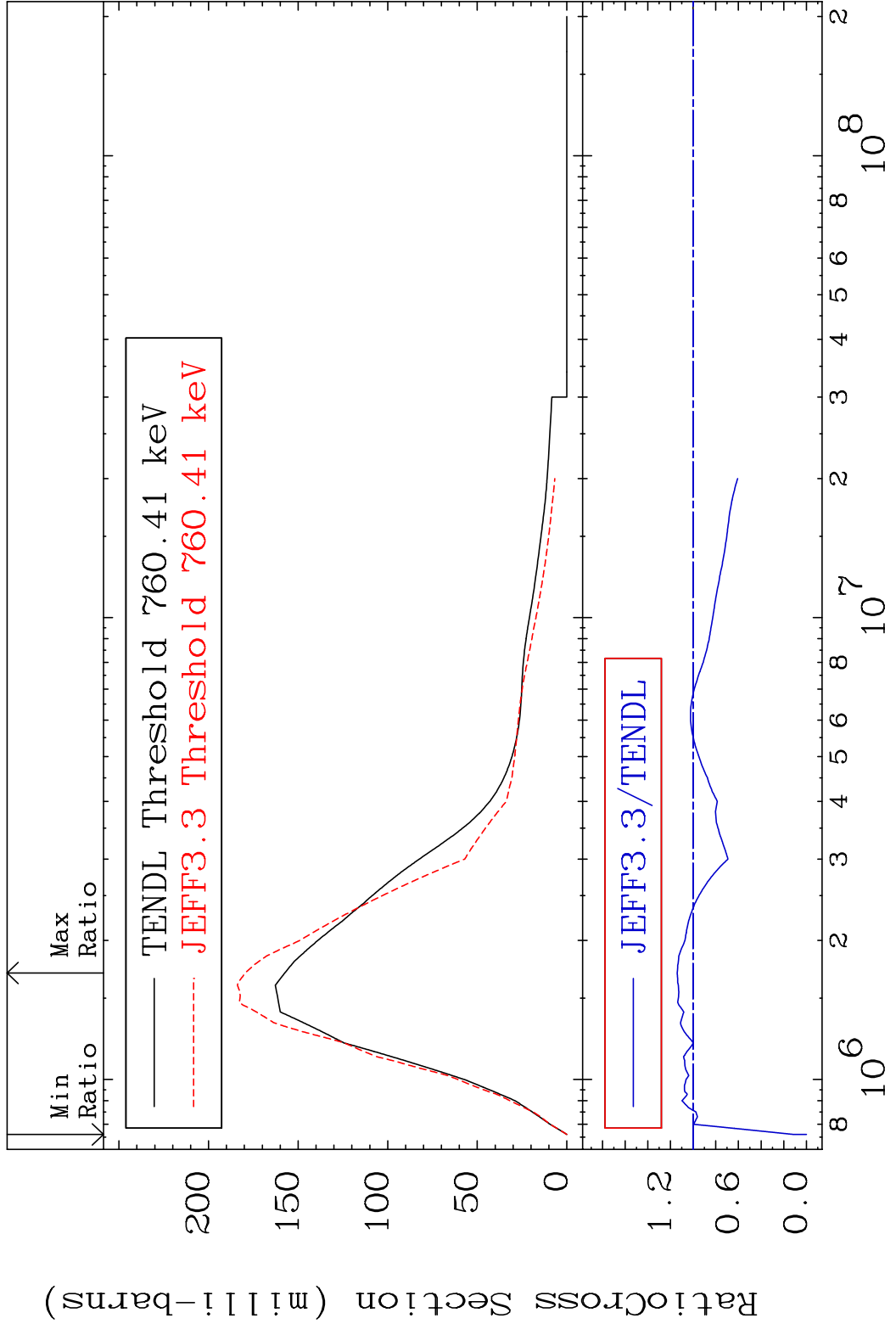


10 Incident Energy (eV) 64-Gd-152

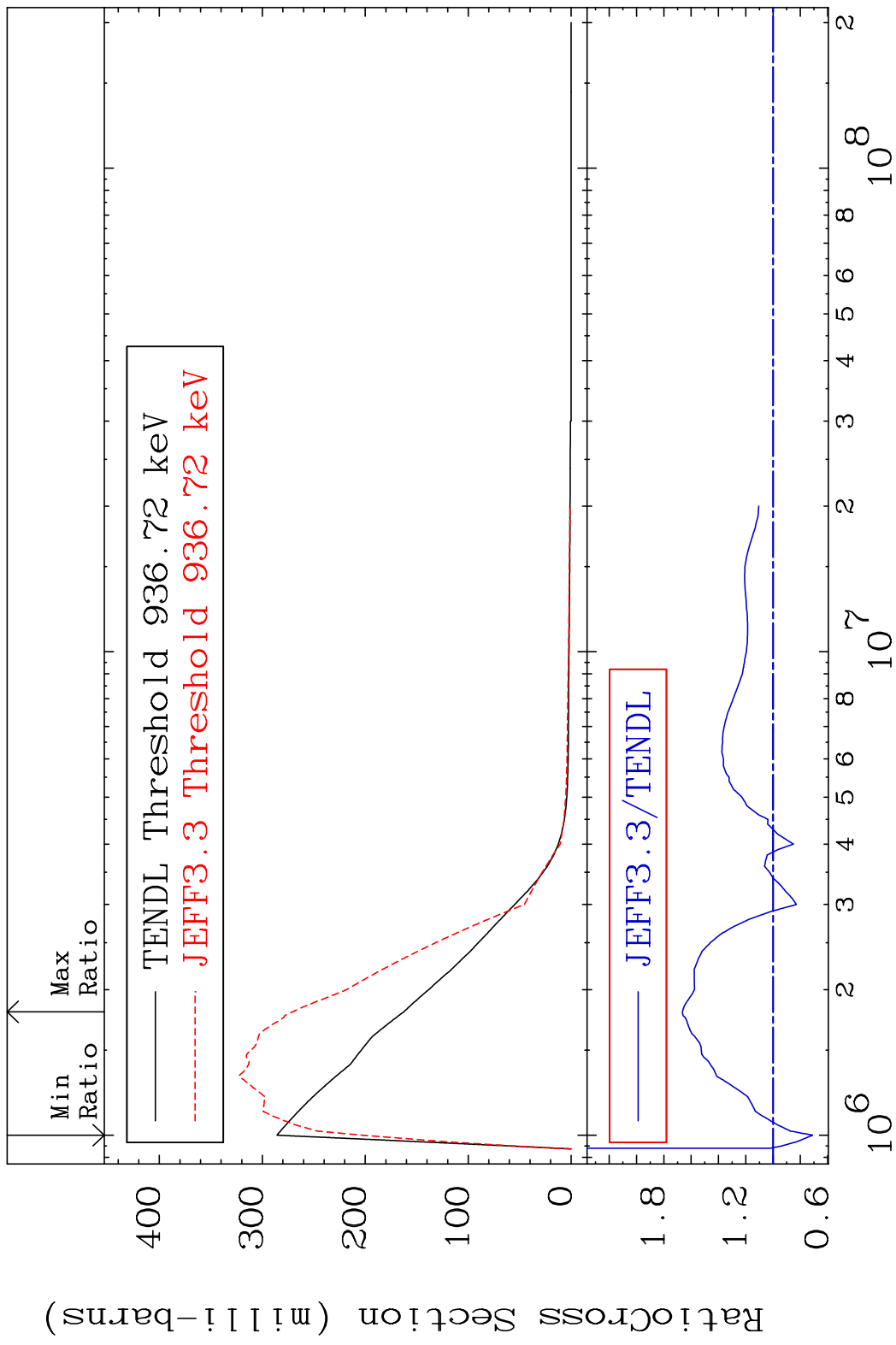
MAT 6425 MT= 52 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 9999. %



MAT 6425 MT= 53 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 14.07 %

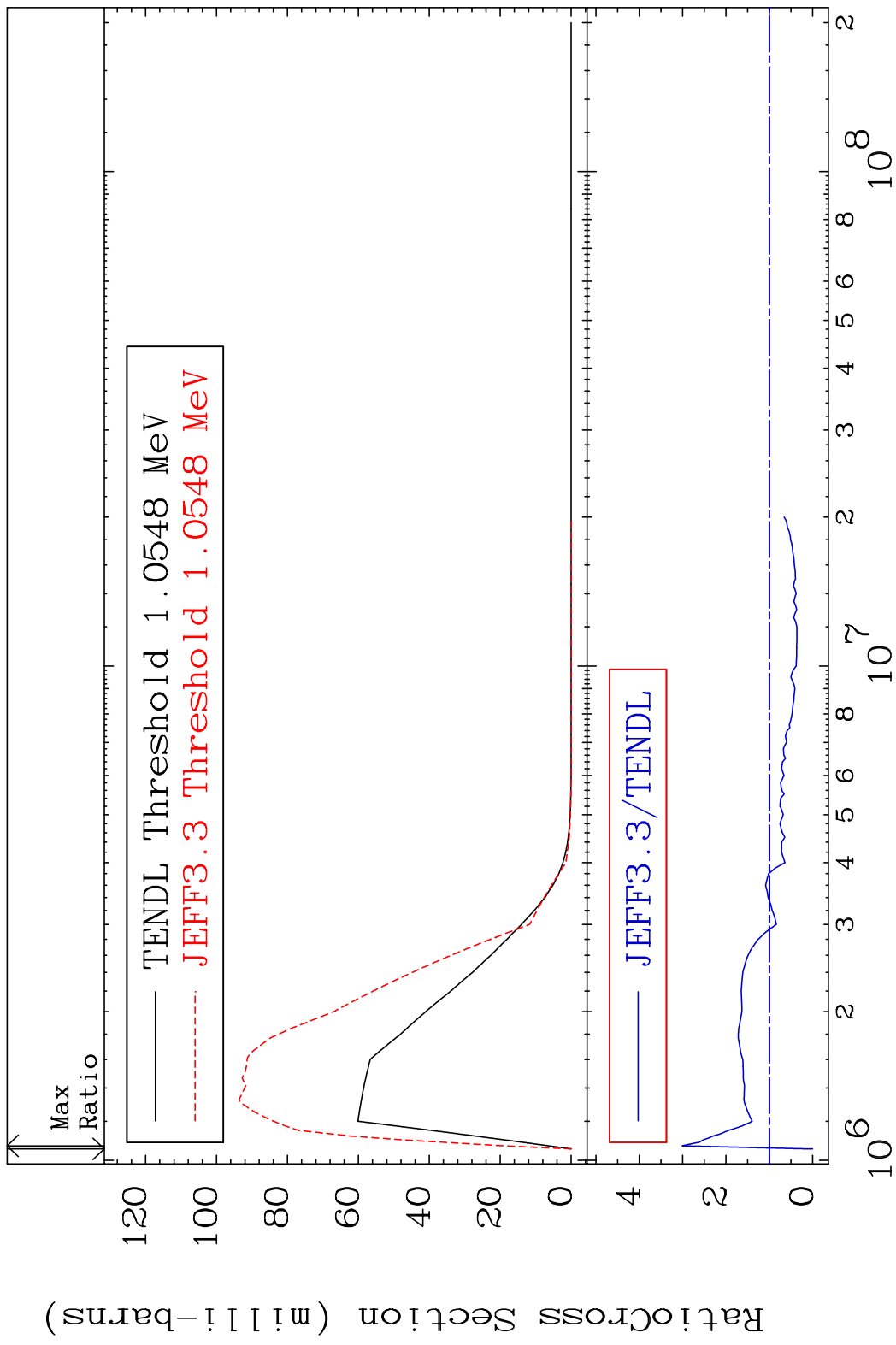


MAT 6425 MT= 54 (n,n') Level 64-Gd-152
 Cross Section -28.92 To 66.44 %



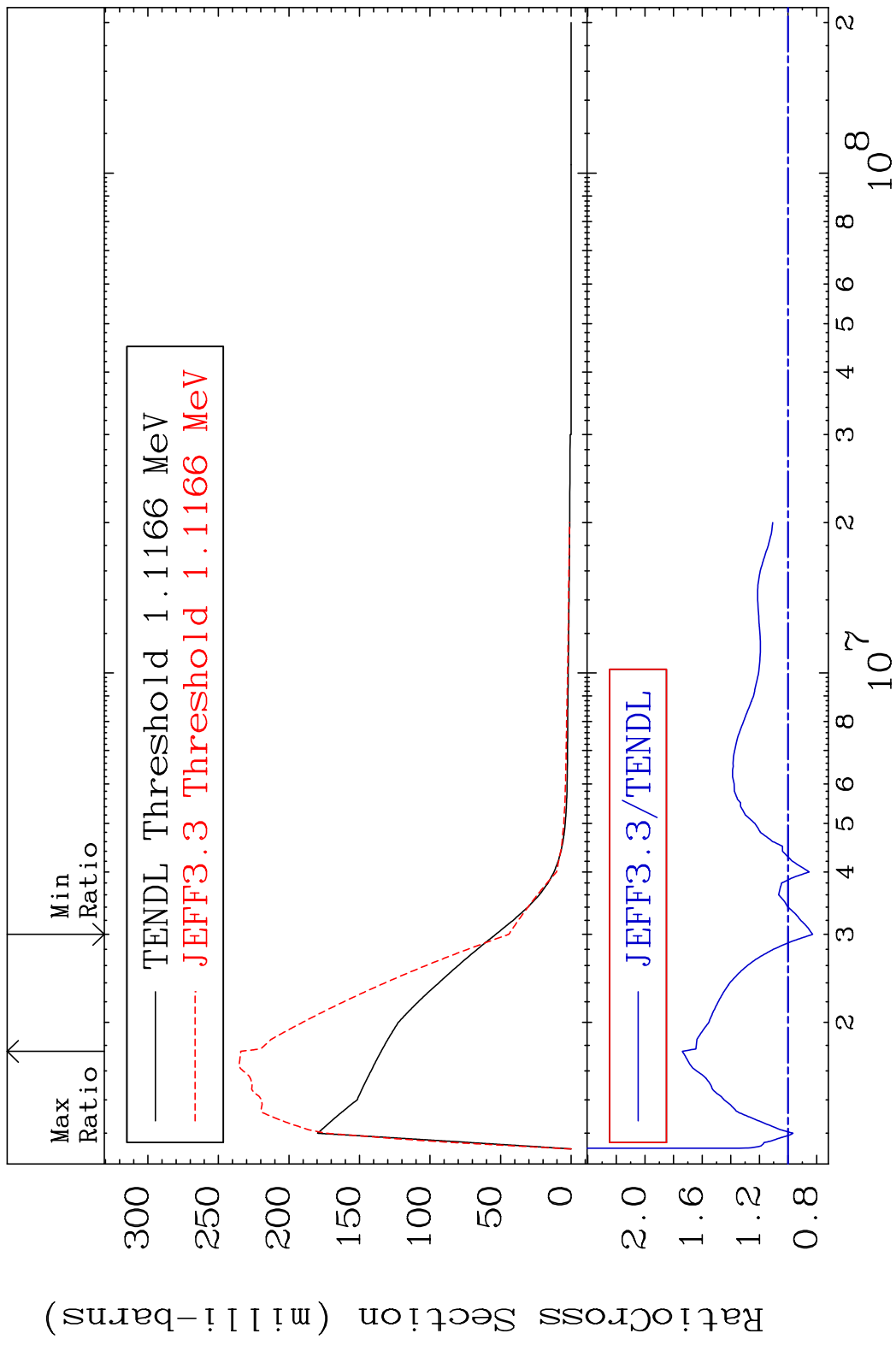
13 Incident Energy (eV) 64-Gd-152

MAT 6425 MT= 55 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 200.6 %

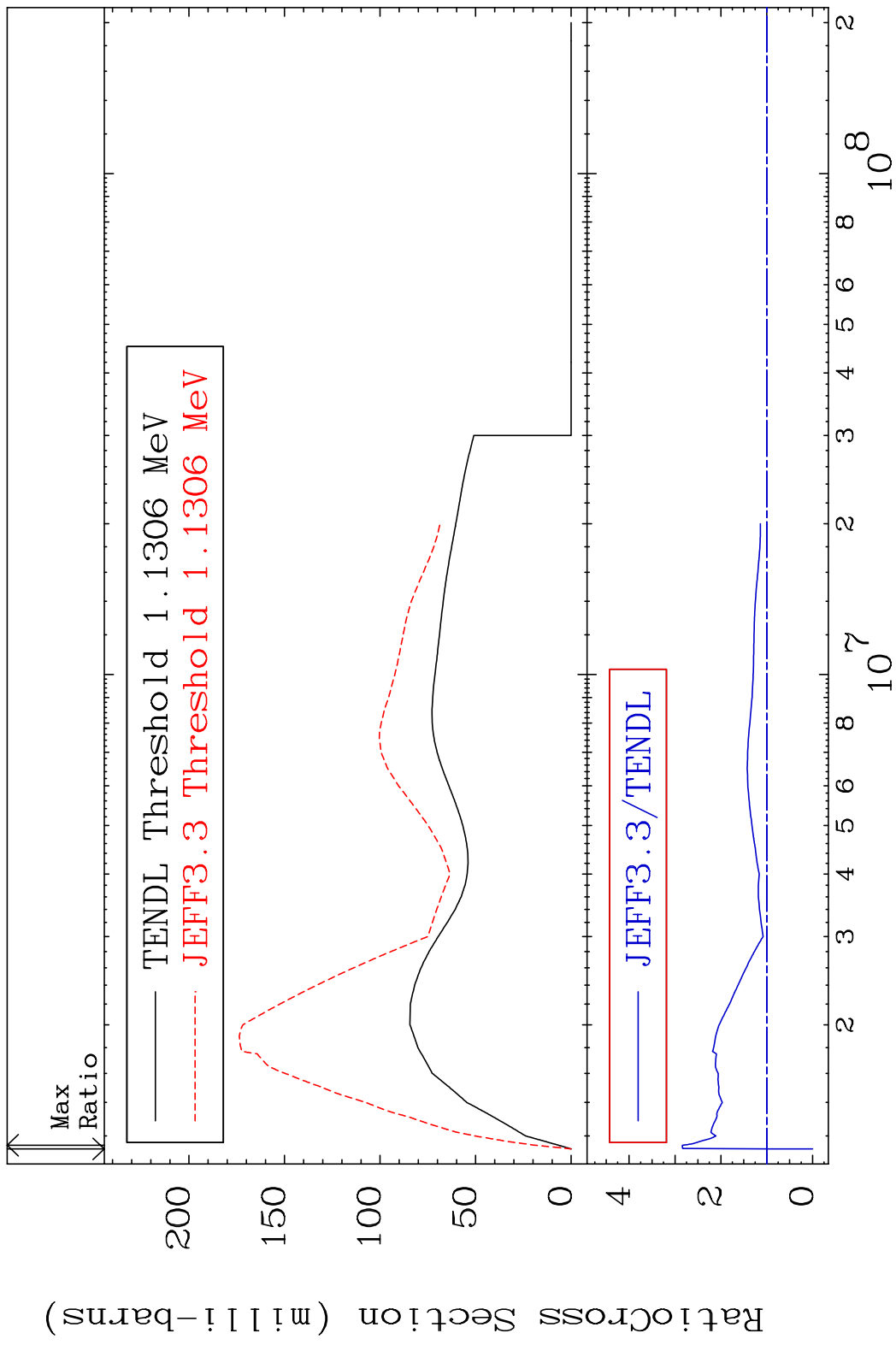


14 Incident Energy (eV) 64-Gd-152

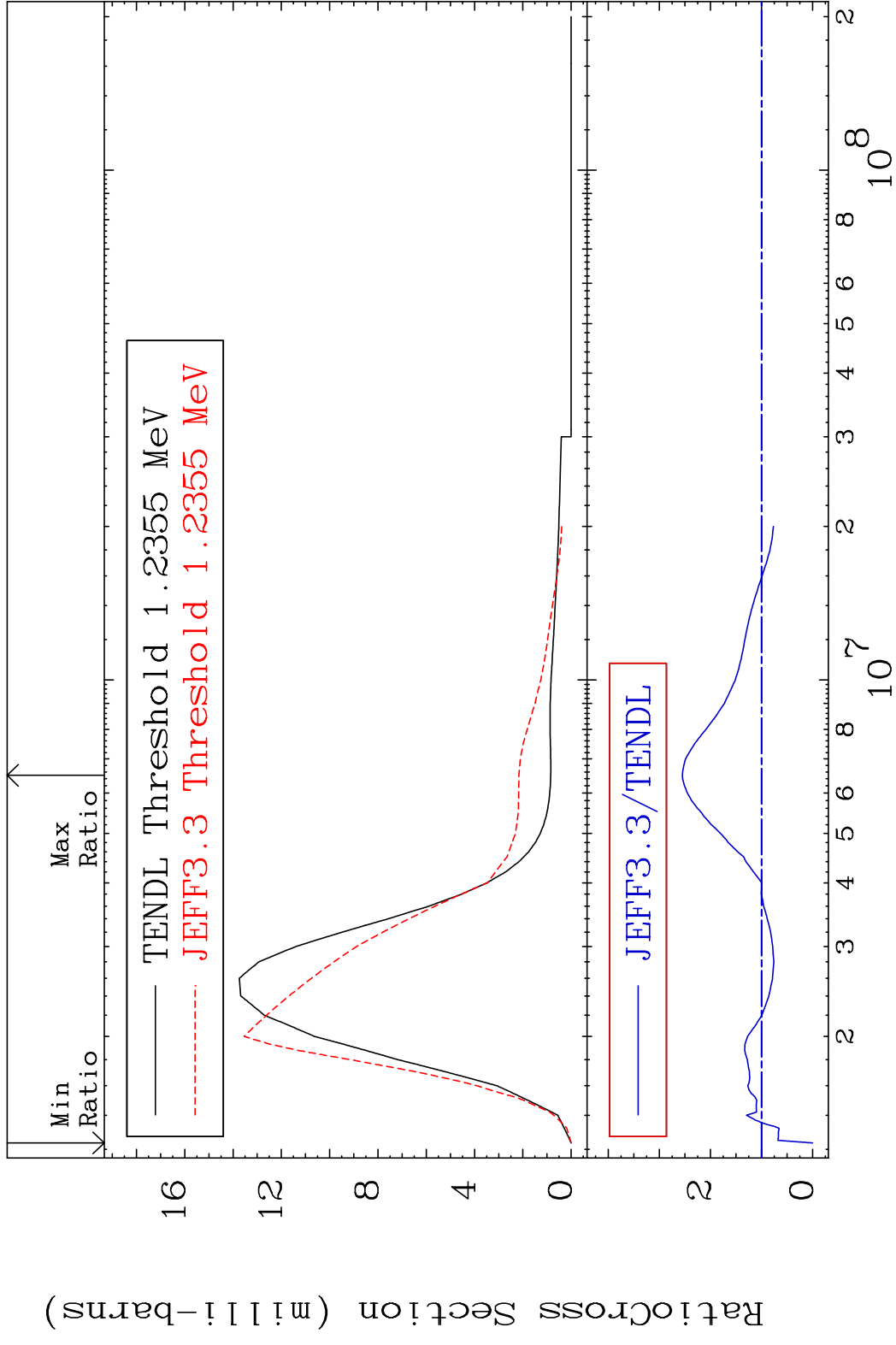
MAT 6425 MT= 56 (n,n') Level 64-Gd-152
 Cross Section -17.14 To 73.86 %



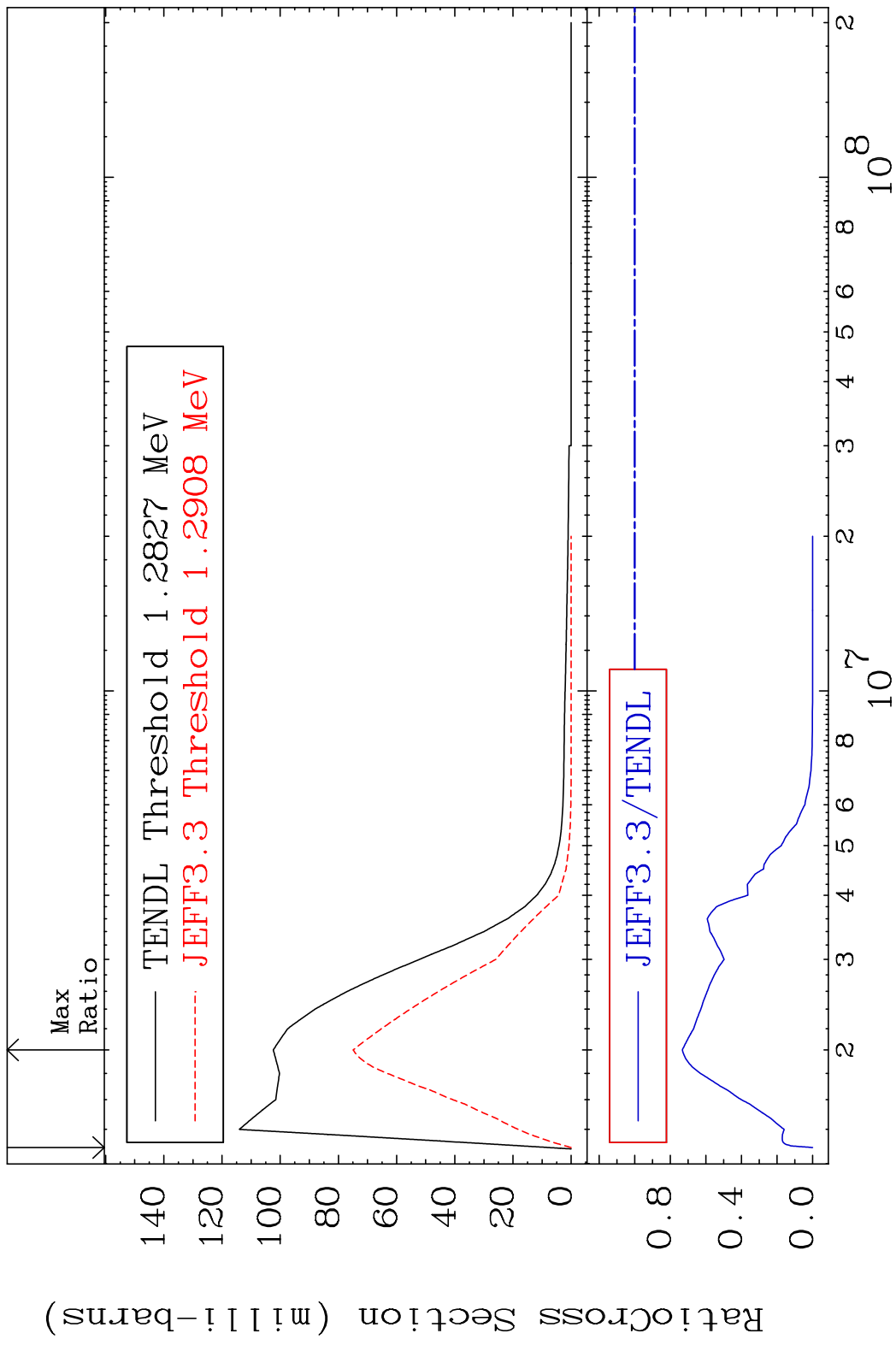
MAT 6425 MT= 57 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 183.9 %



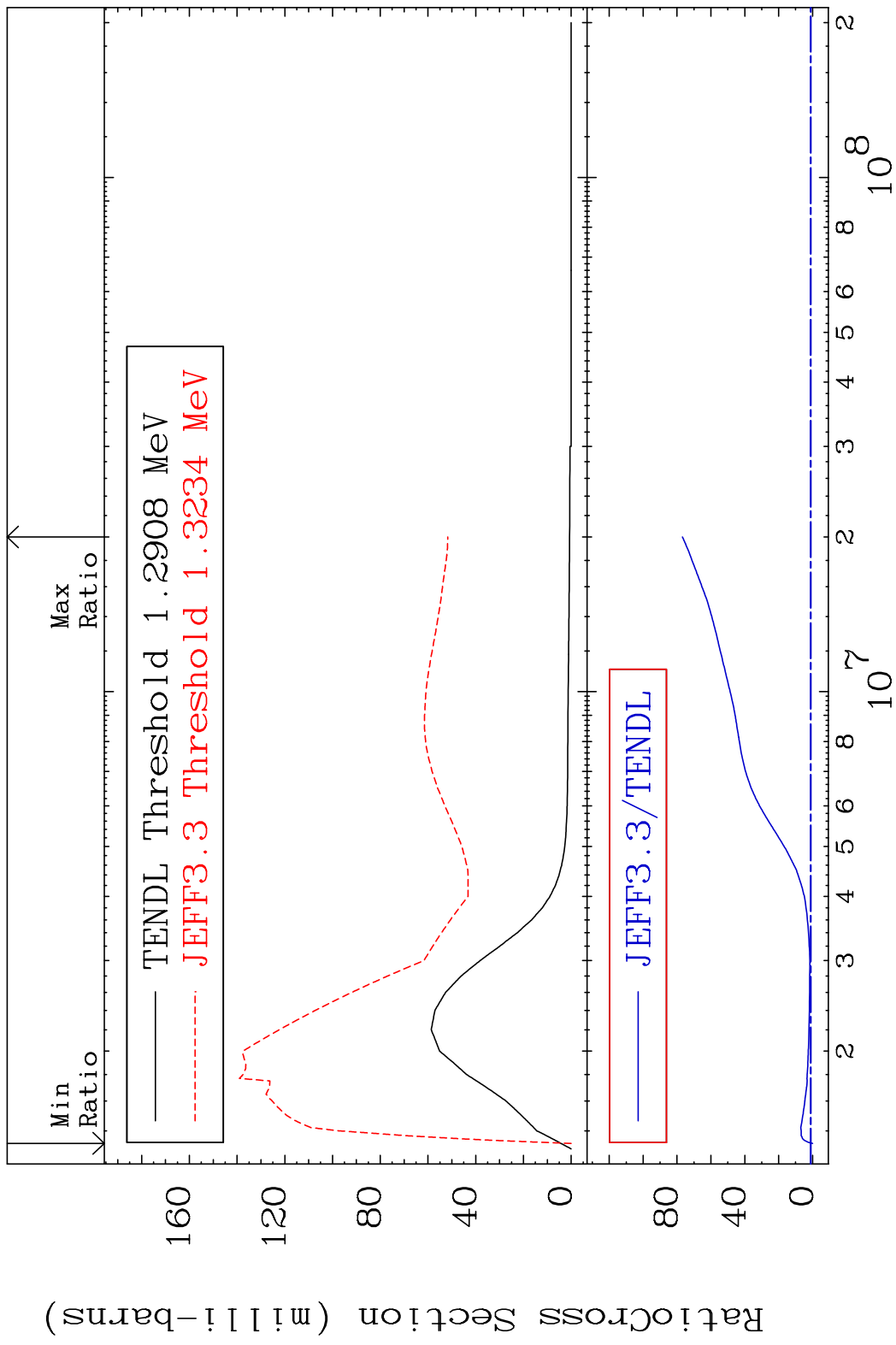
MAT 6425 MT= 58 (n,n') Level 64-Gd-152
 Cross Section -100.0 To 154.8 %



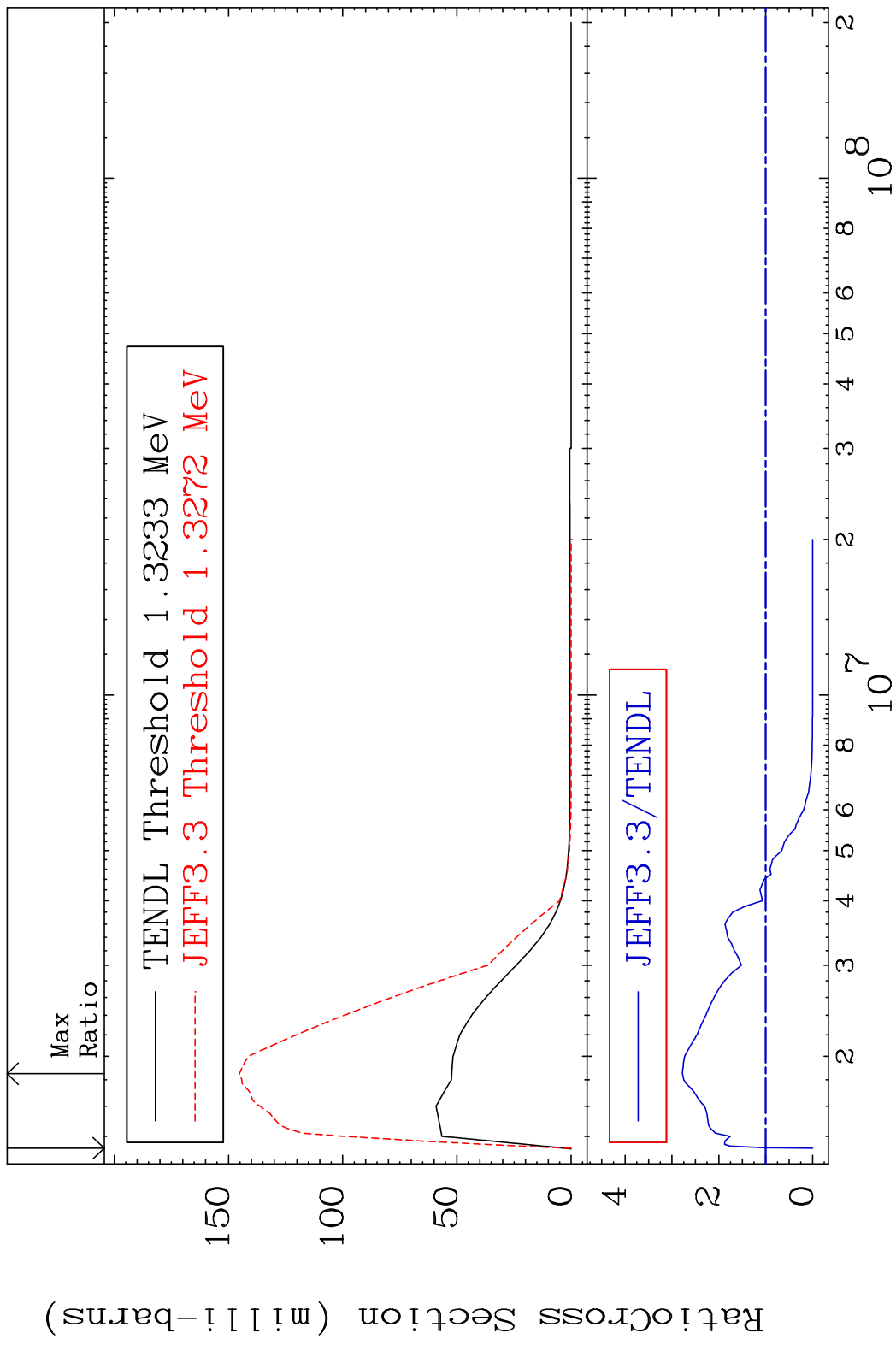
MAT 6425 MT= 59 (n, n') Level 64-Gd-152
 Cross Section -100.0 To -26.81%



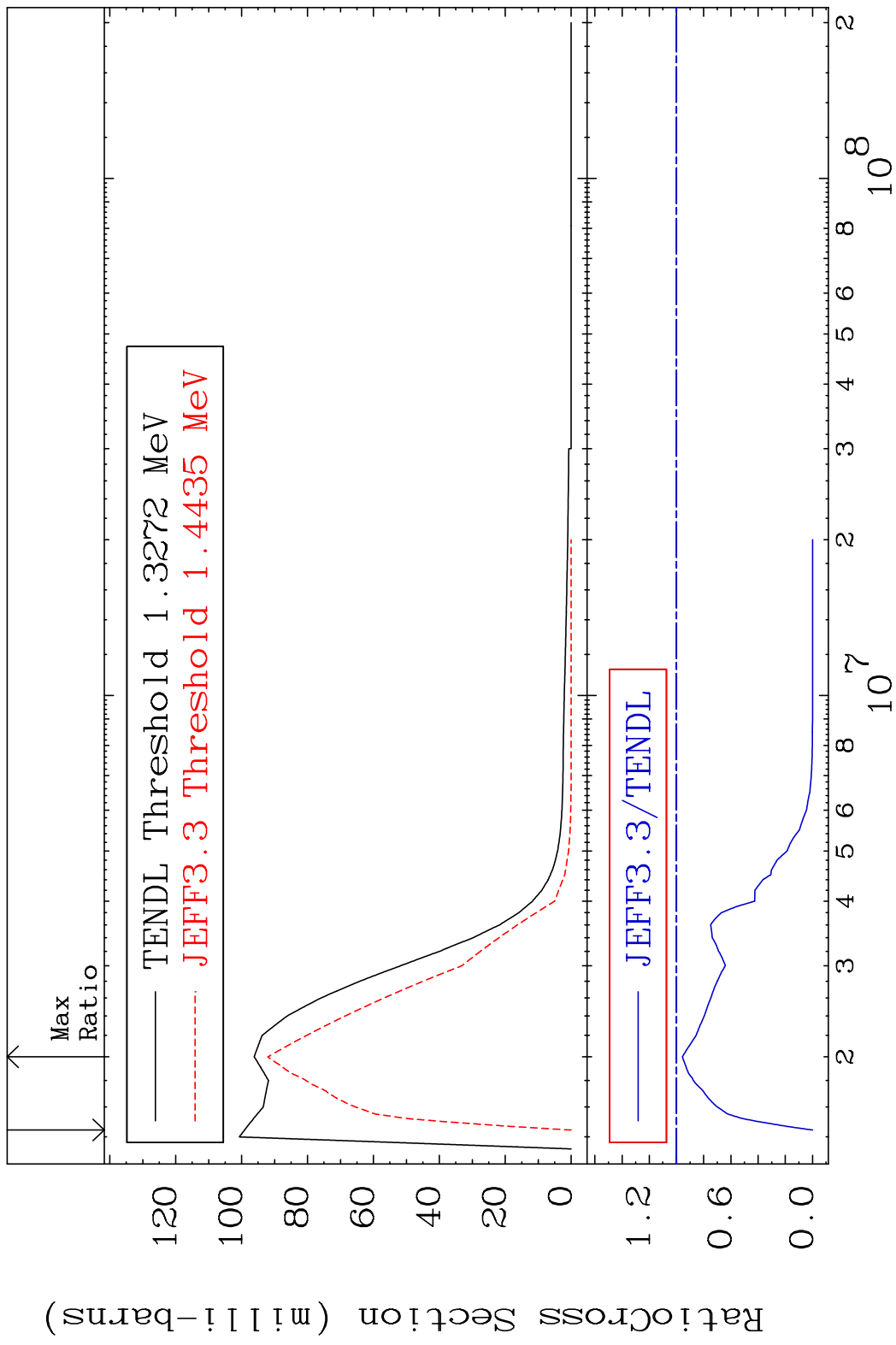
MAT 6425 MT= 60 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 7586. %



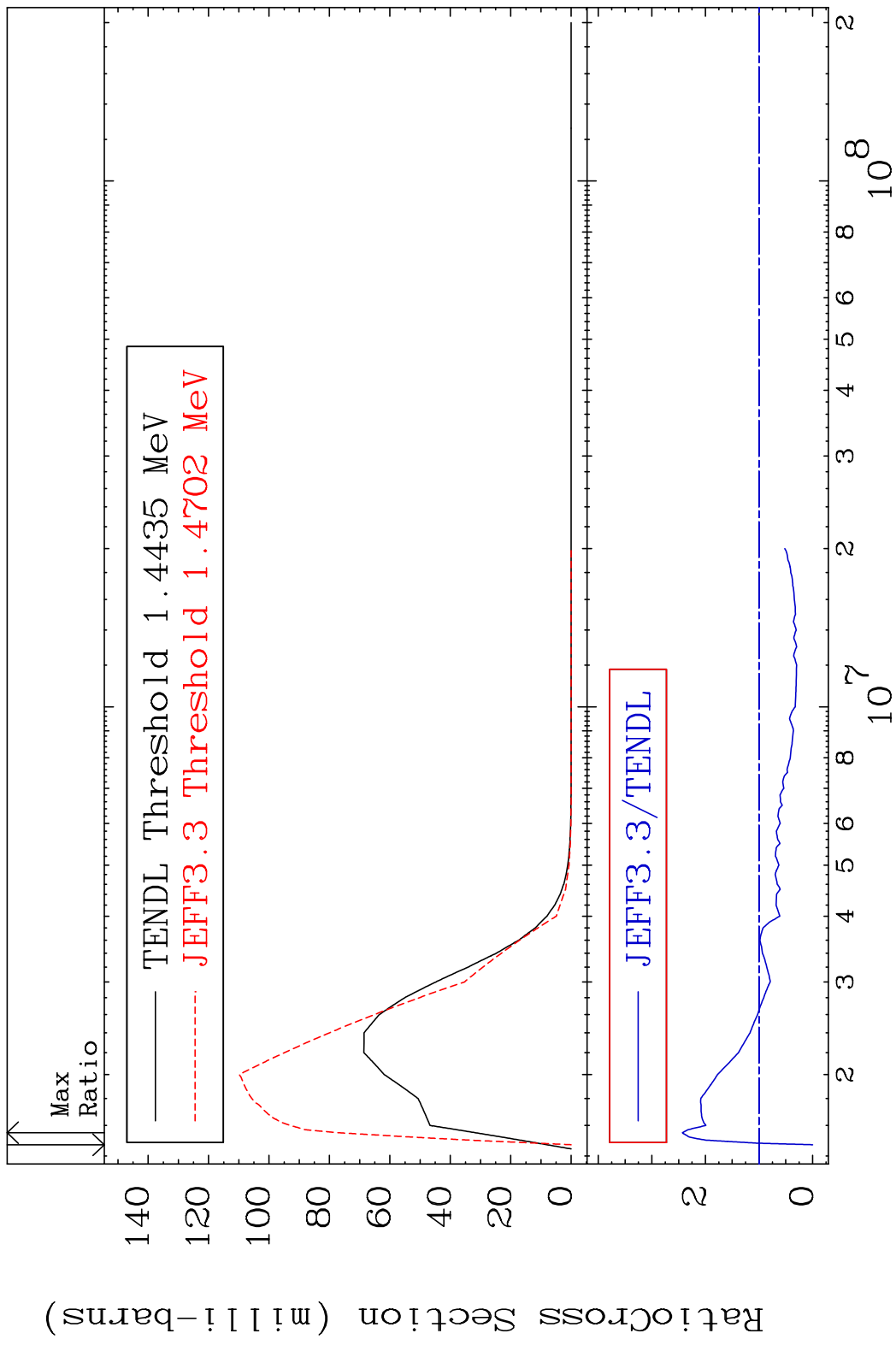
MAT 6425 MT= 61 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 177.9 %



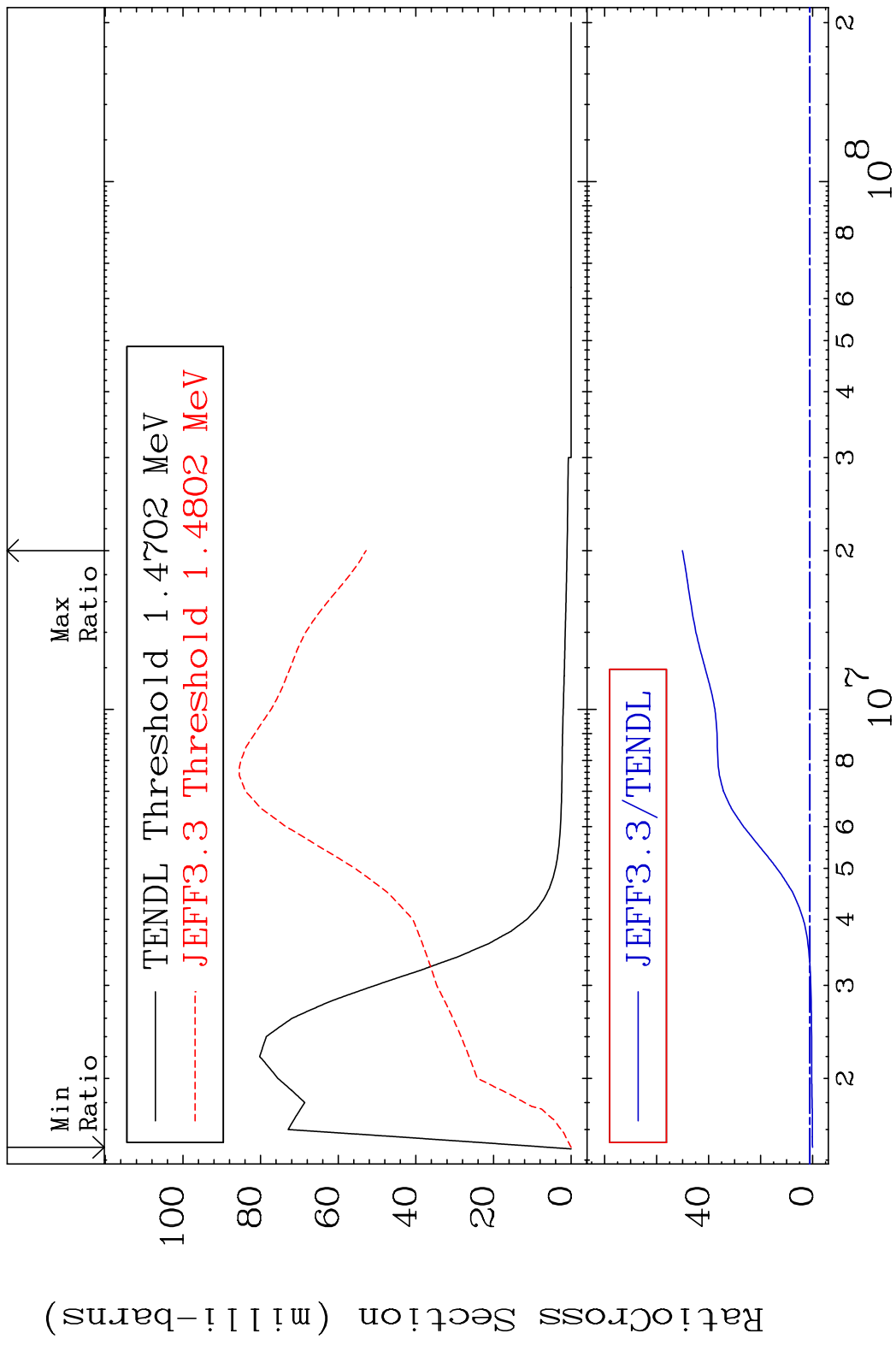
MAT 6425 MT= 62 (n, n') Level 64-Gd-152
 Cross Section -100.0 To -4.307%



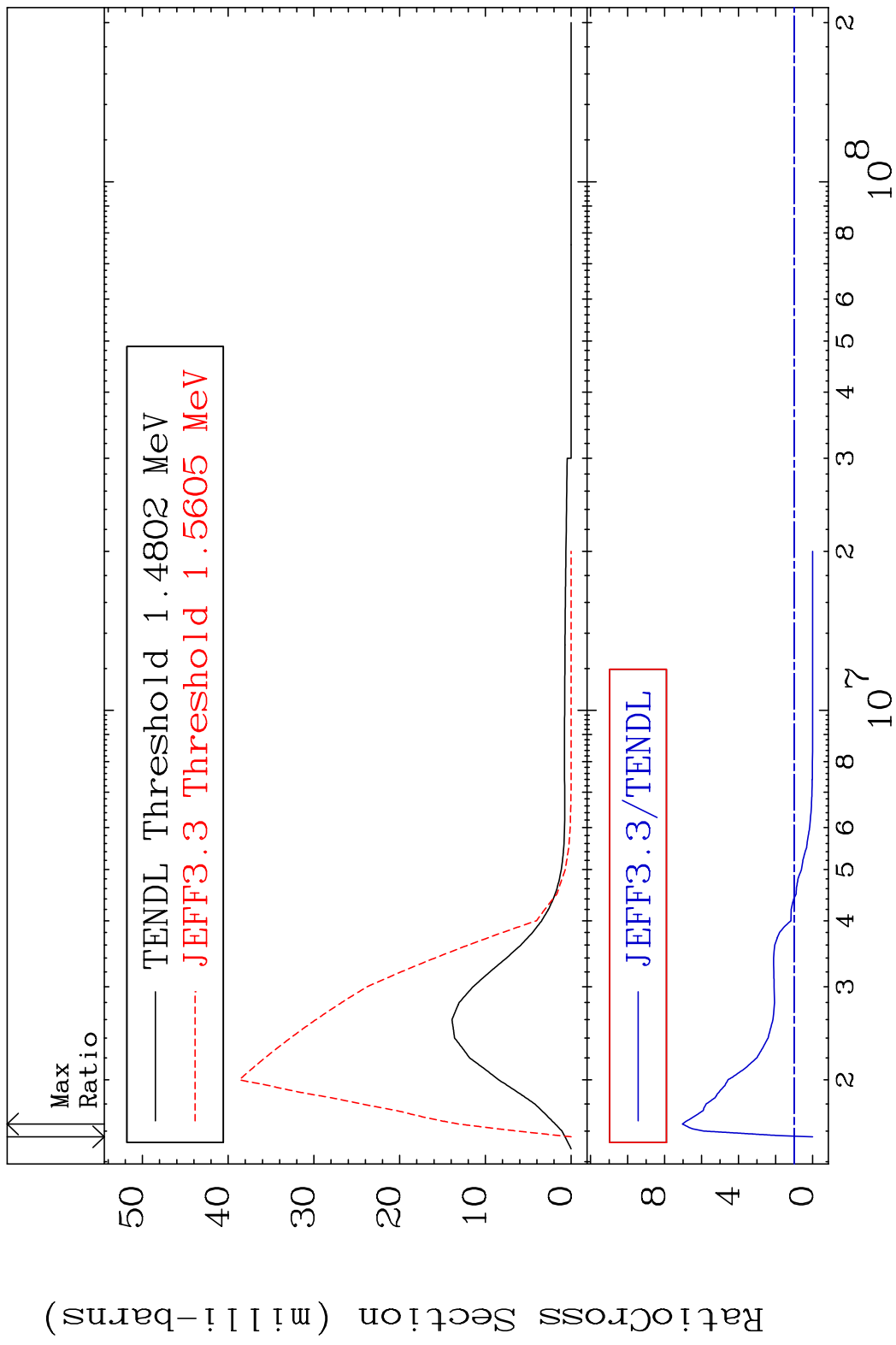
MAT 6425 MT= 63 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 143.0 %



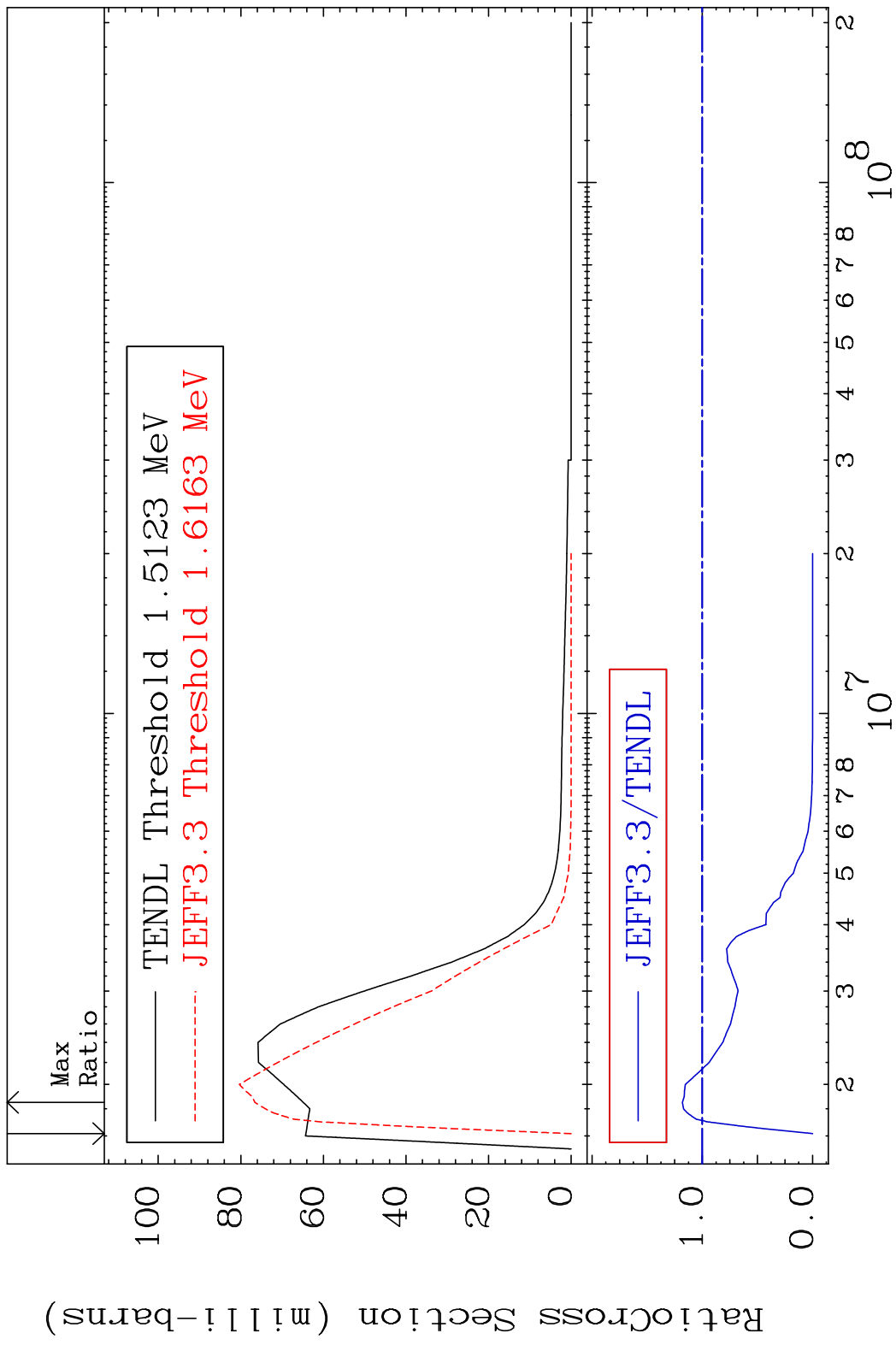
MAT 6425 MT= 64 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 4910. %



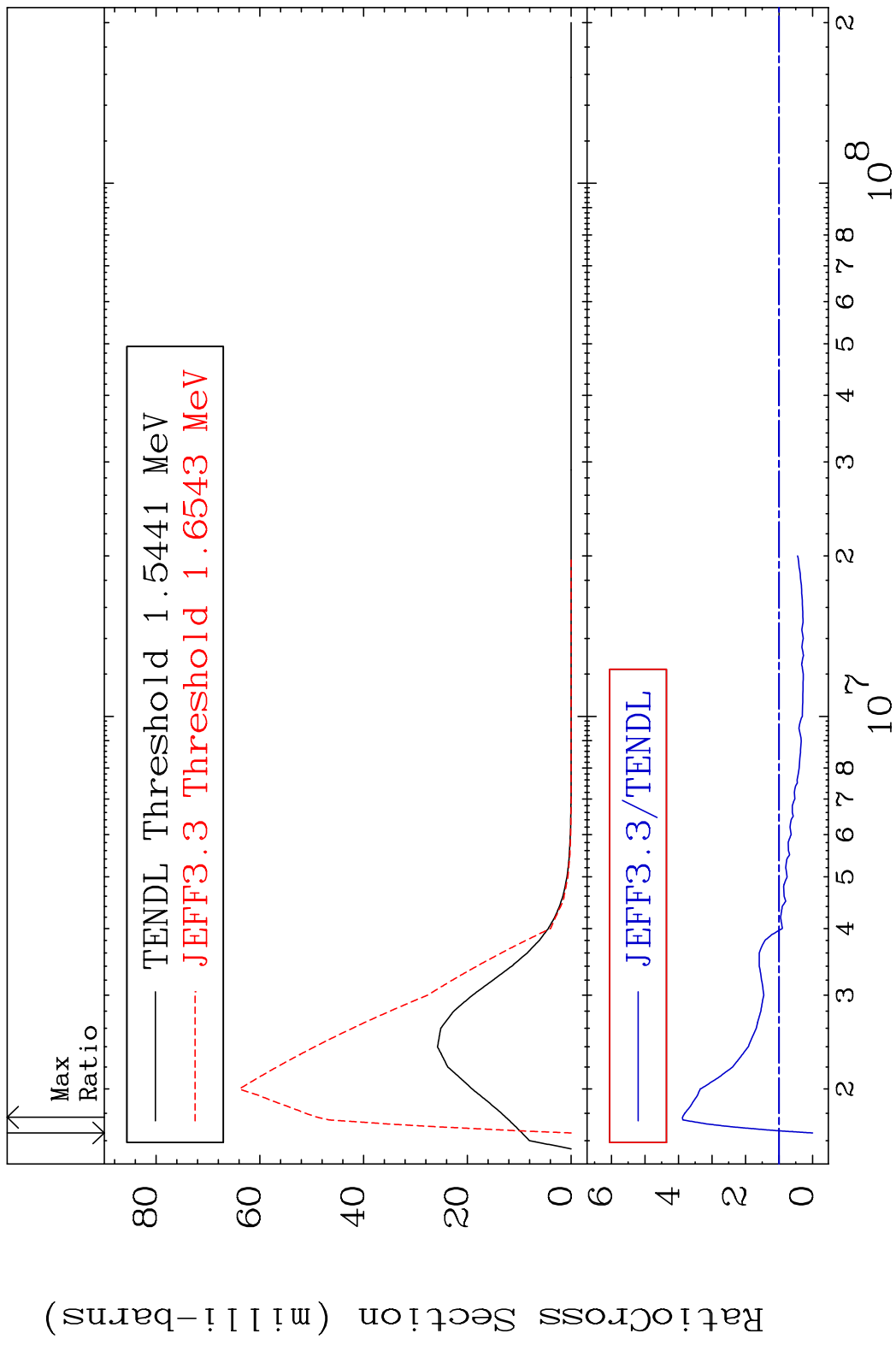
MAT 6425 MT= 65 (n,n') Level 64-Gd-152
 Cross Section -100.0 To 603.9 %



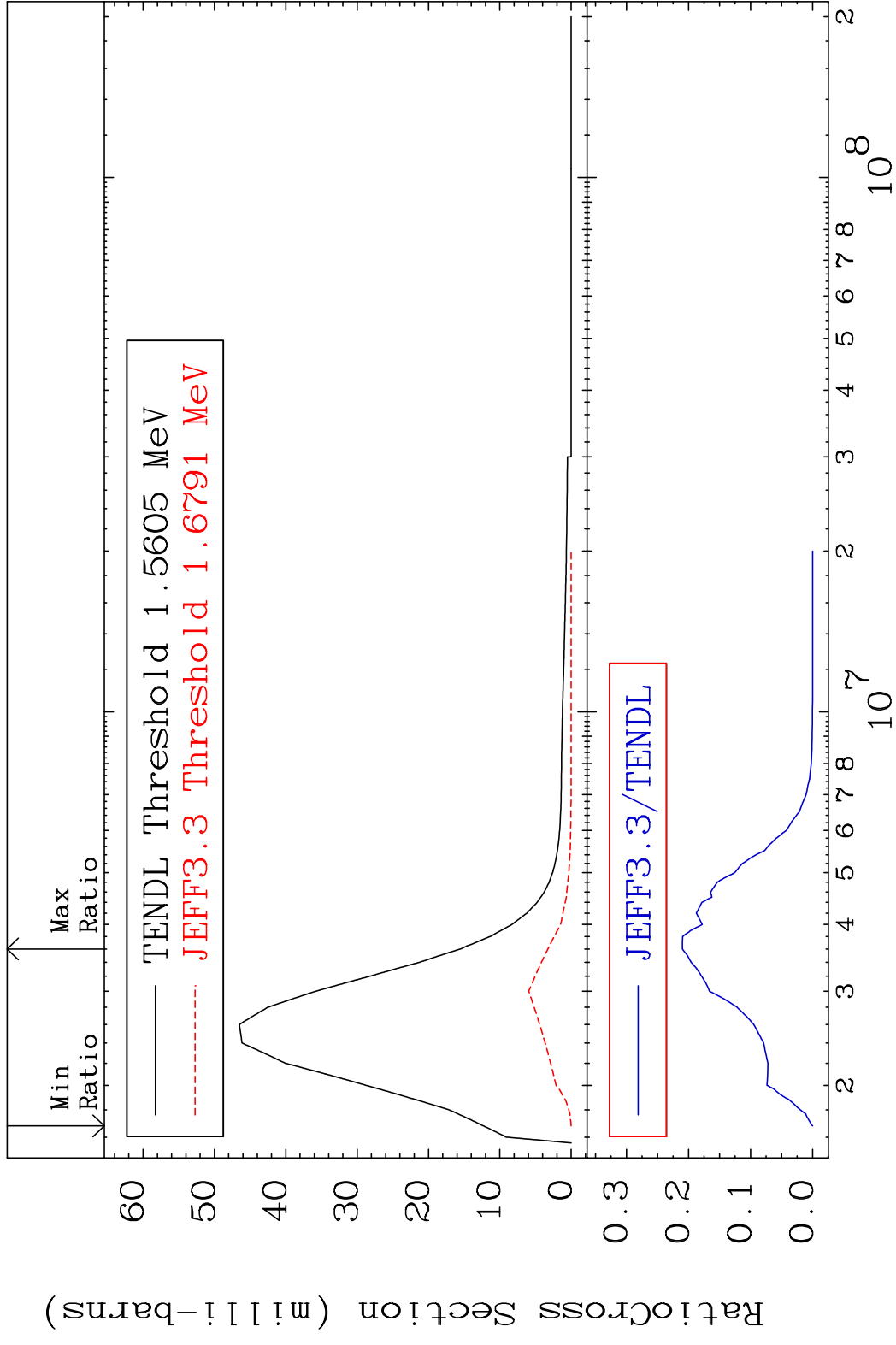
MAT 6425 MT= 66 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 18.09 %



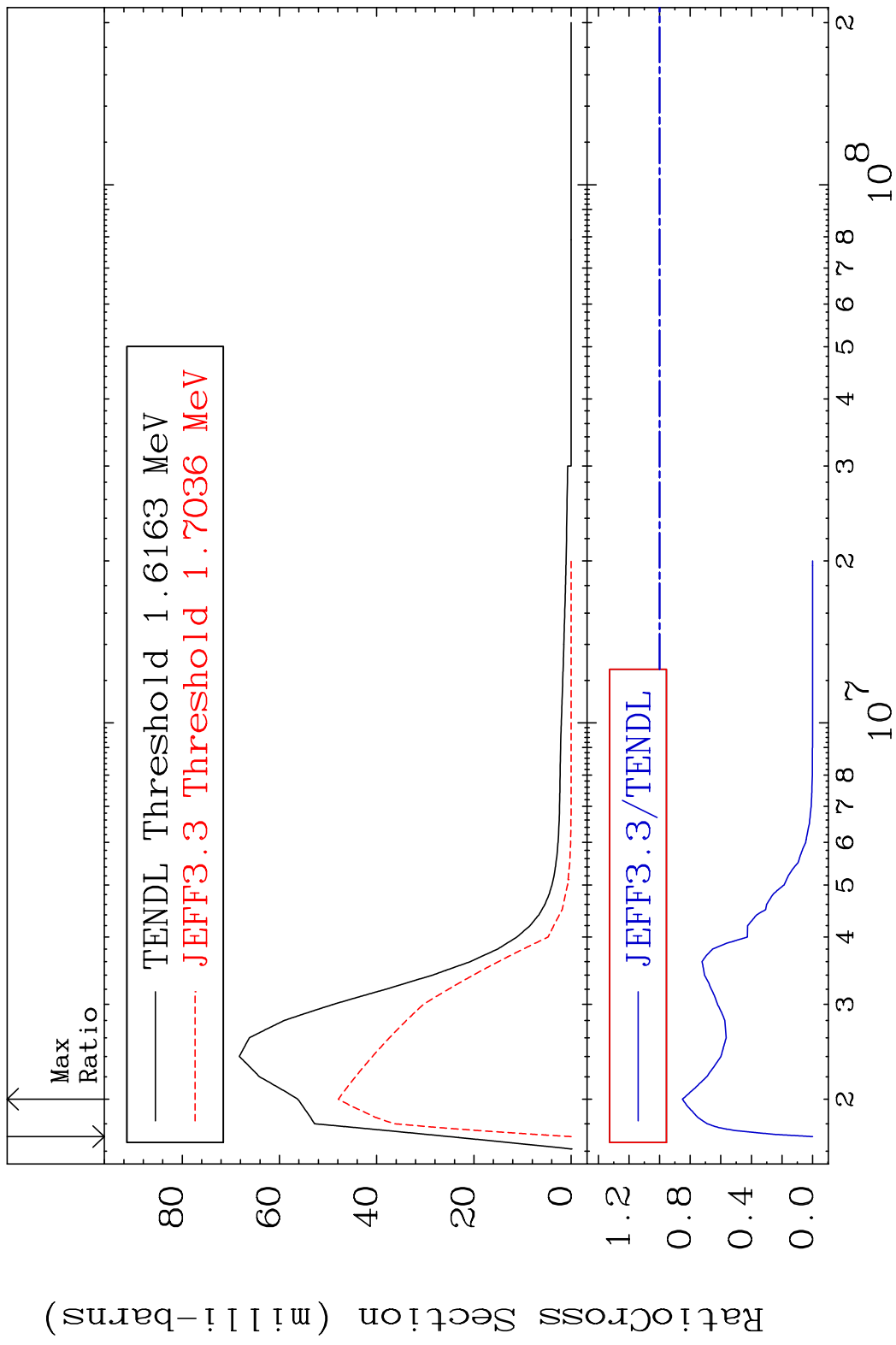
MAT 6425 MT= 67 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 288.3 %



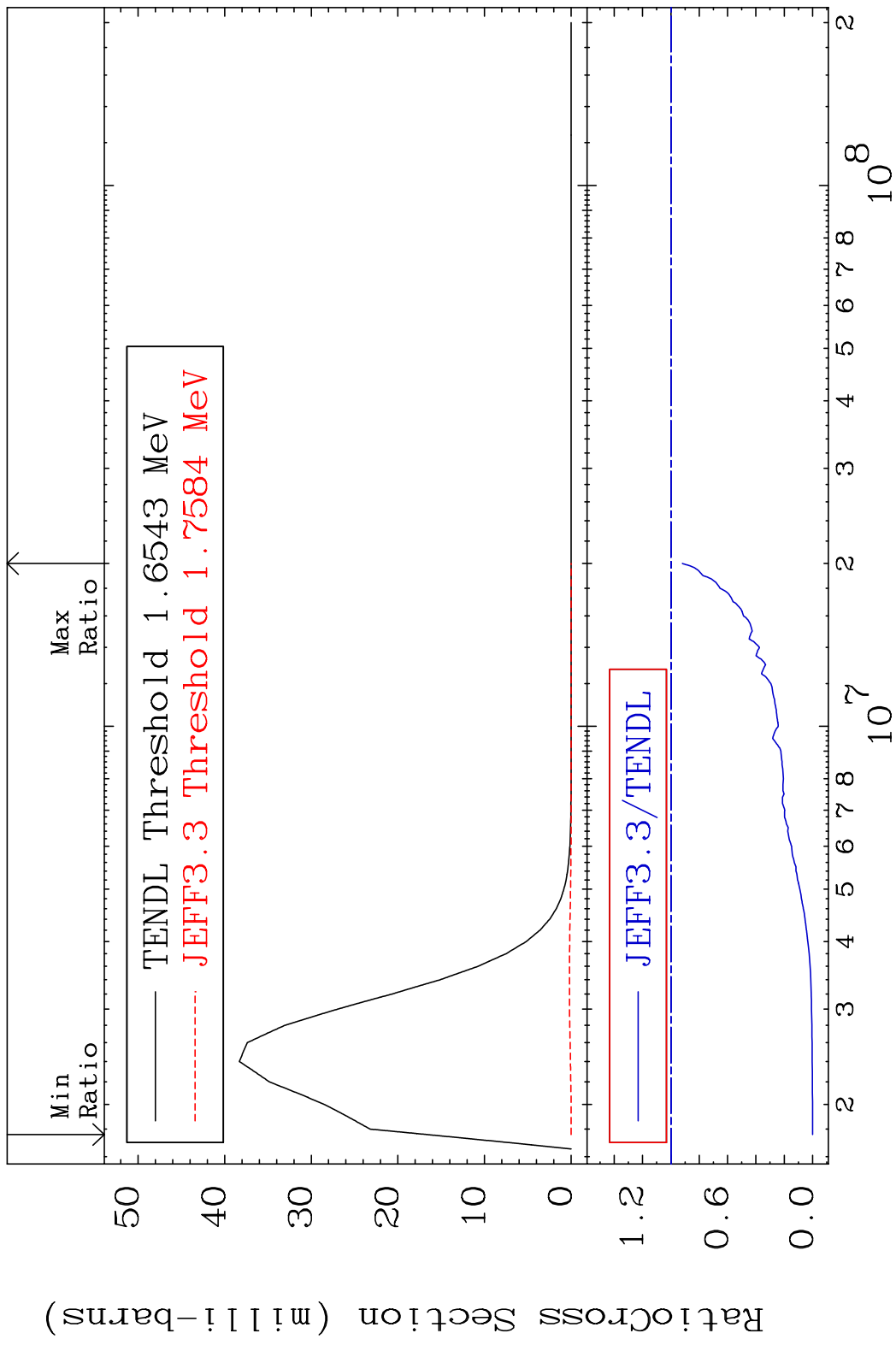
MAT 6425 MT= 68 (n, n') Level 64-Gd-152
 Cross Section -100.0 To -78.99%



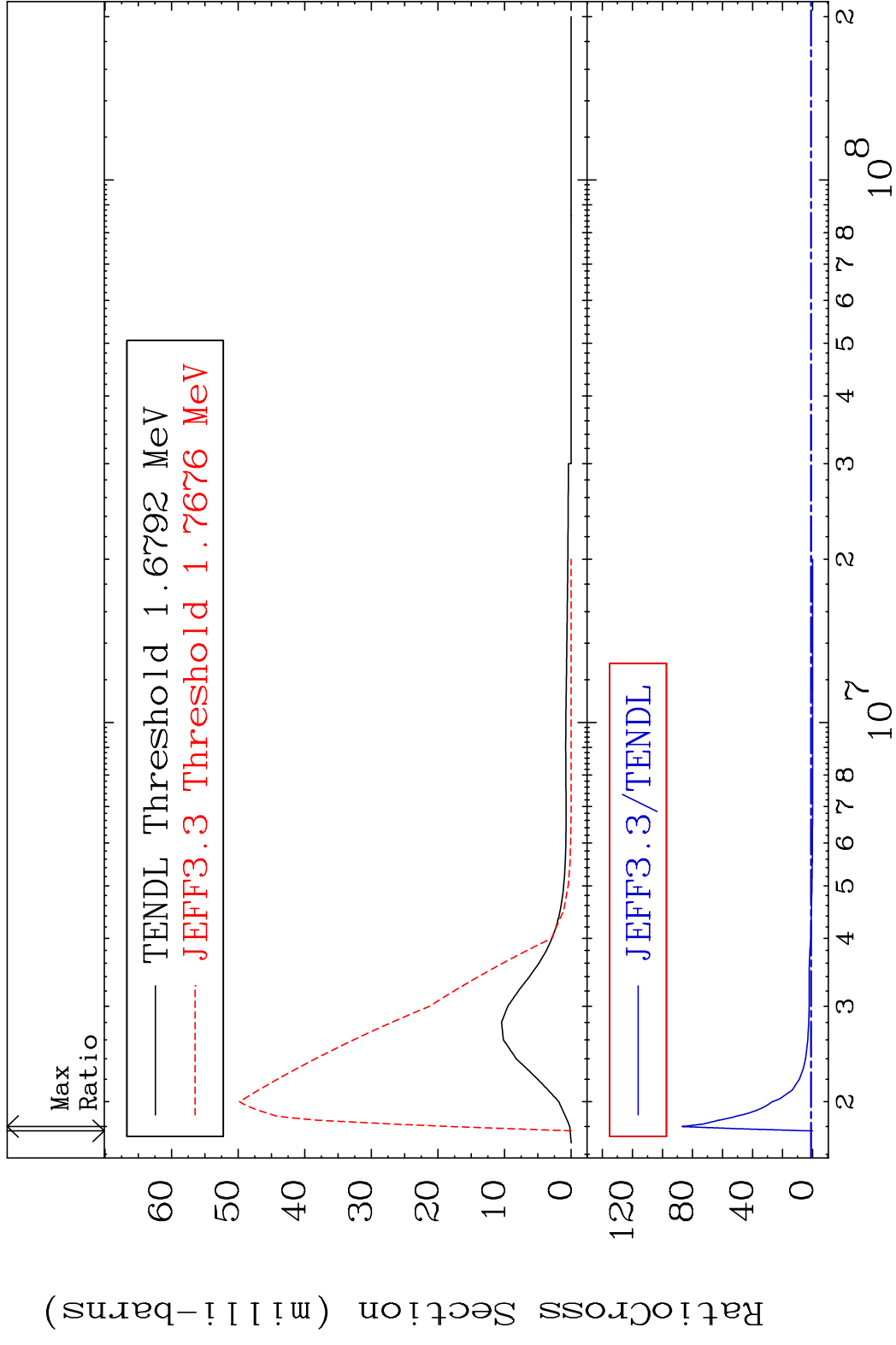
MAT 6425 MT= 69 (n, n') Level 64-Gd-152
 Cross Section -100.0 To -14.85%



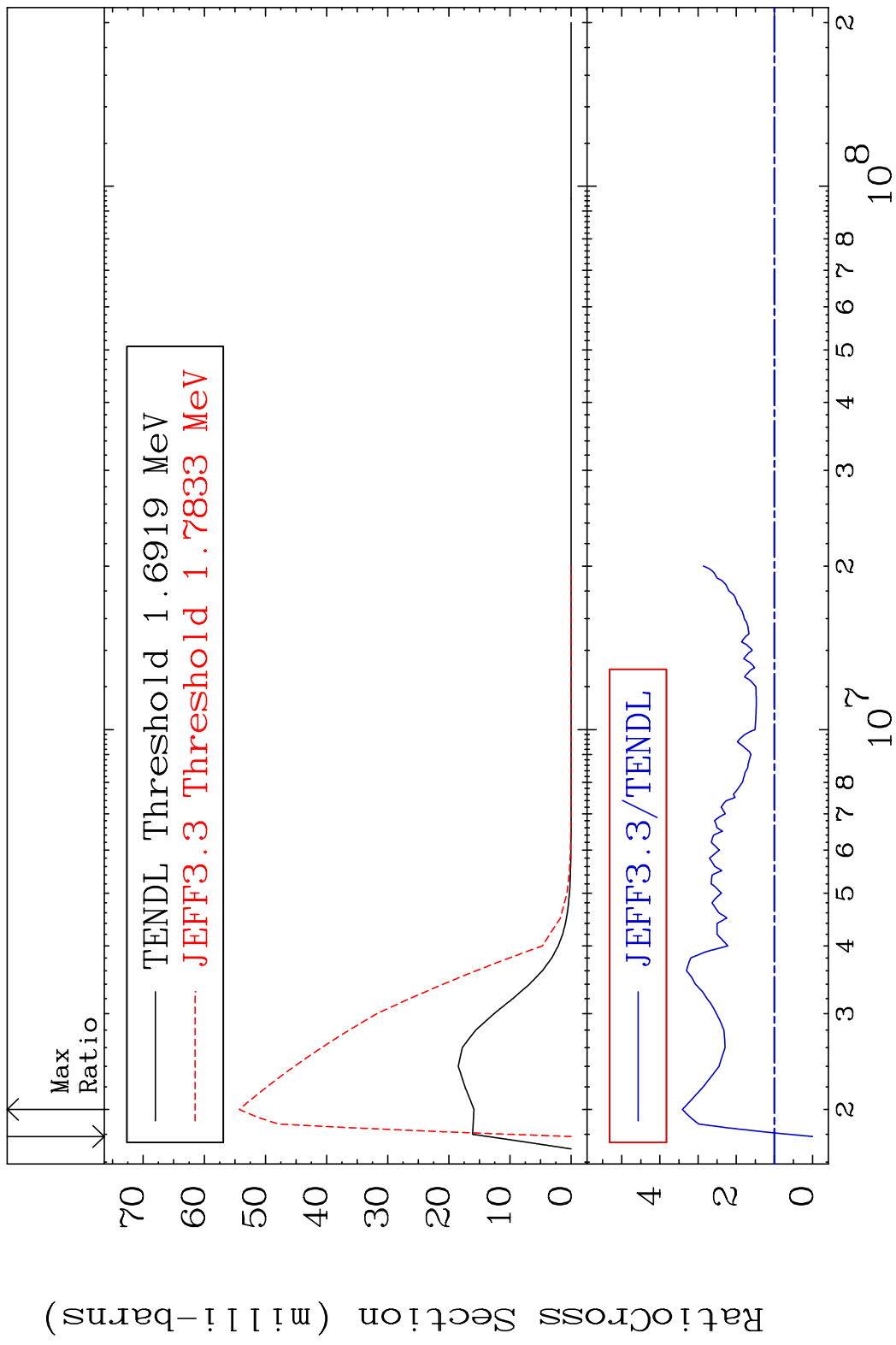
MAT 6425 MT= 70 (n, n') Level 64-Gd-152
 Cross Section -100.0 To -8.088%



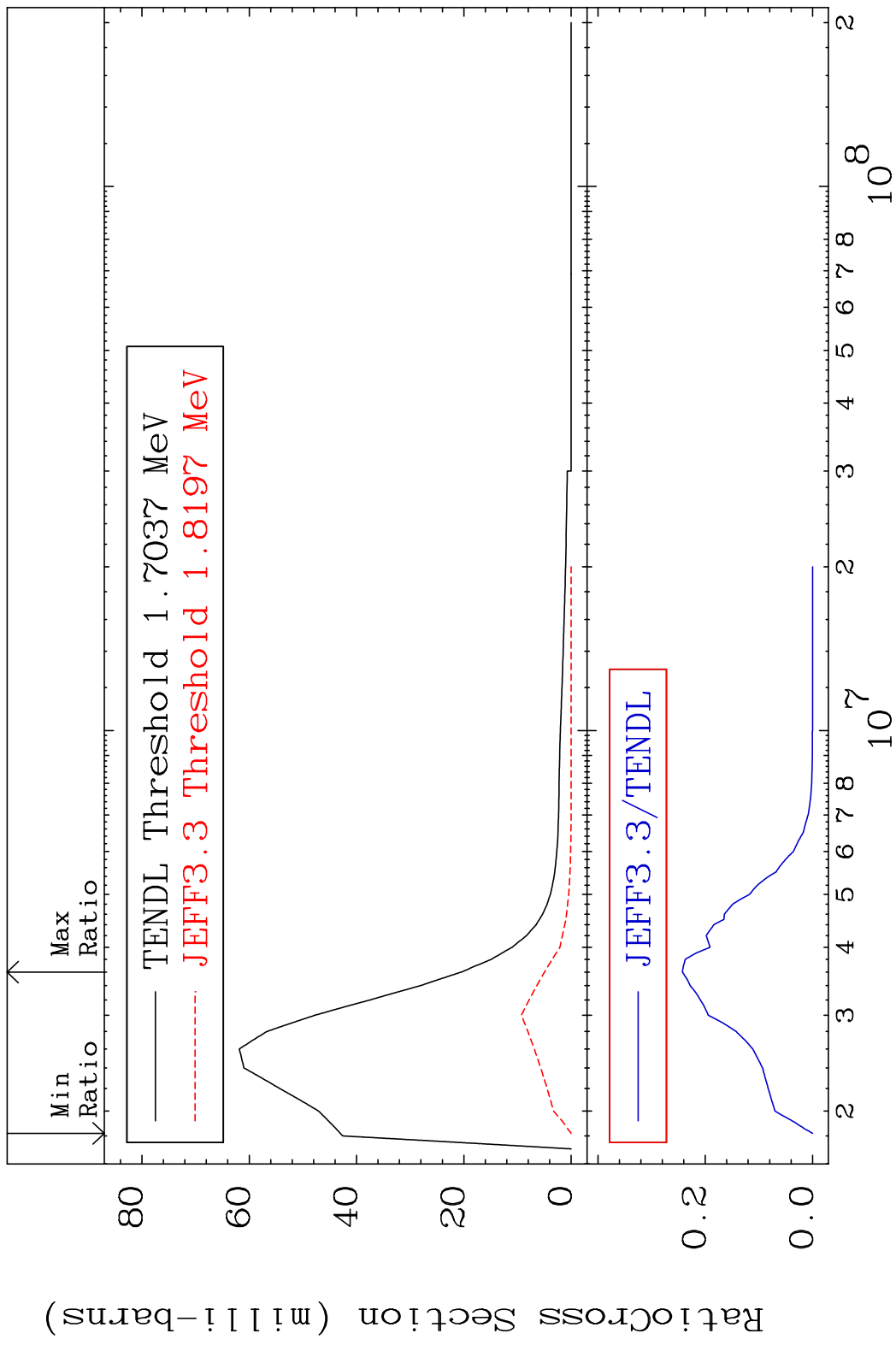
MAT 6425 MT= 71 (n,n') Level 64-Gd-152
 Cross Section -100.0 To 8575. %



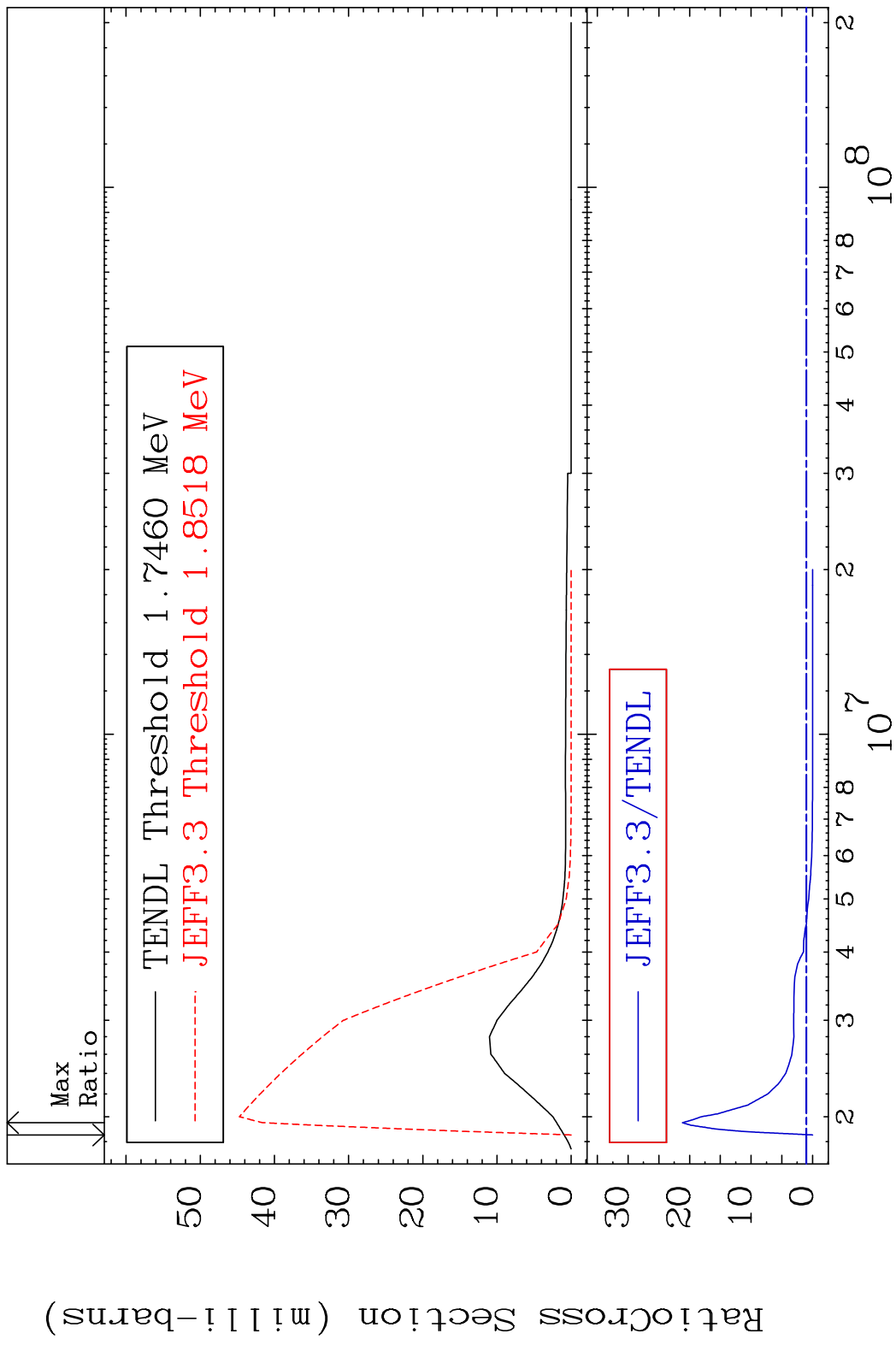
MAT 6425 MT= 72 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 241.2 %



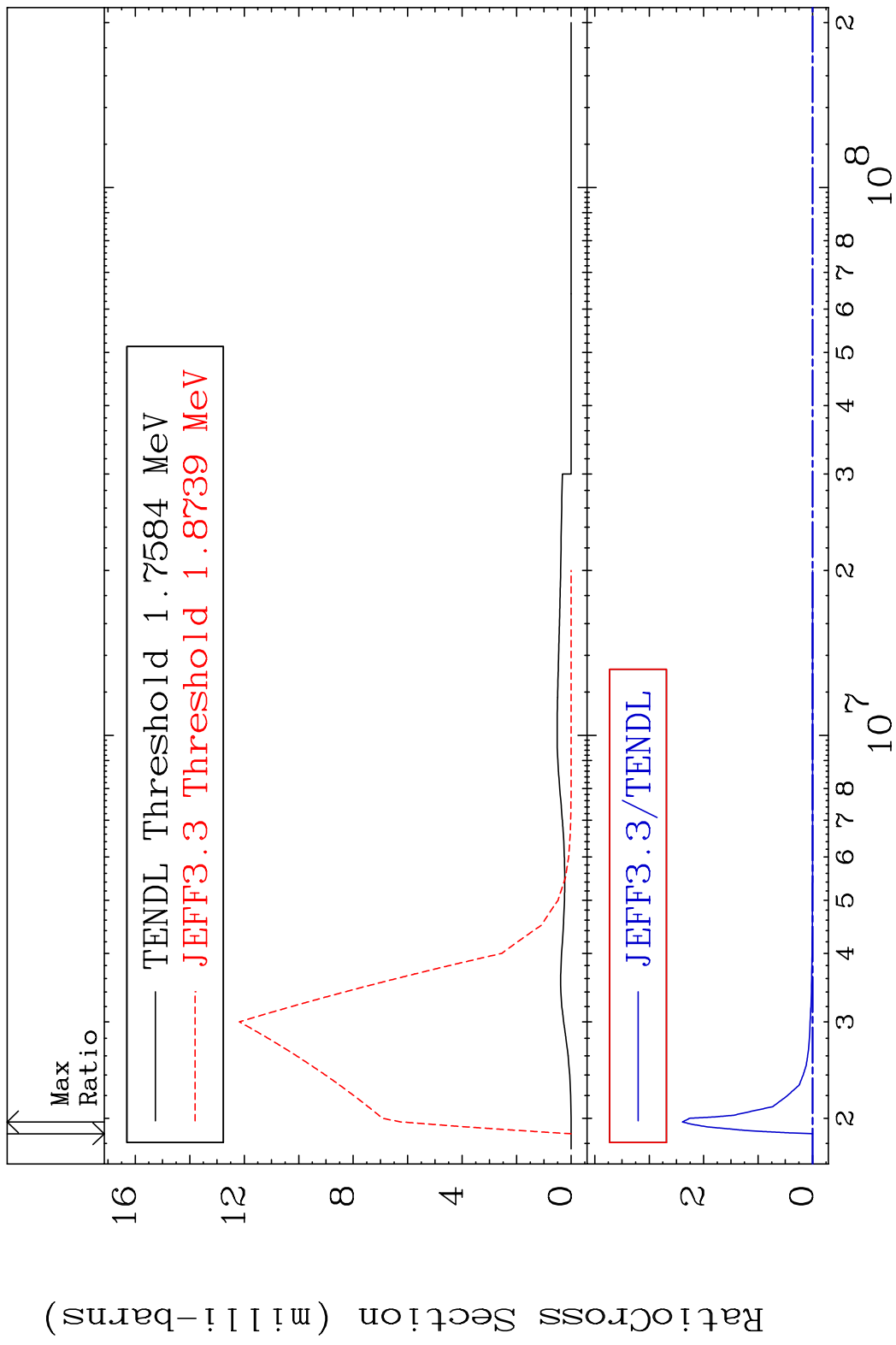
MAT 6425 MT= 73 (n, n') Level 64-Gd-152
 Cross Section -100.0 To -75.74%



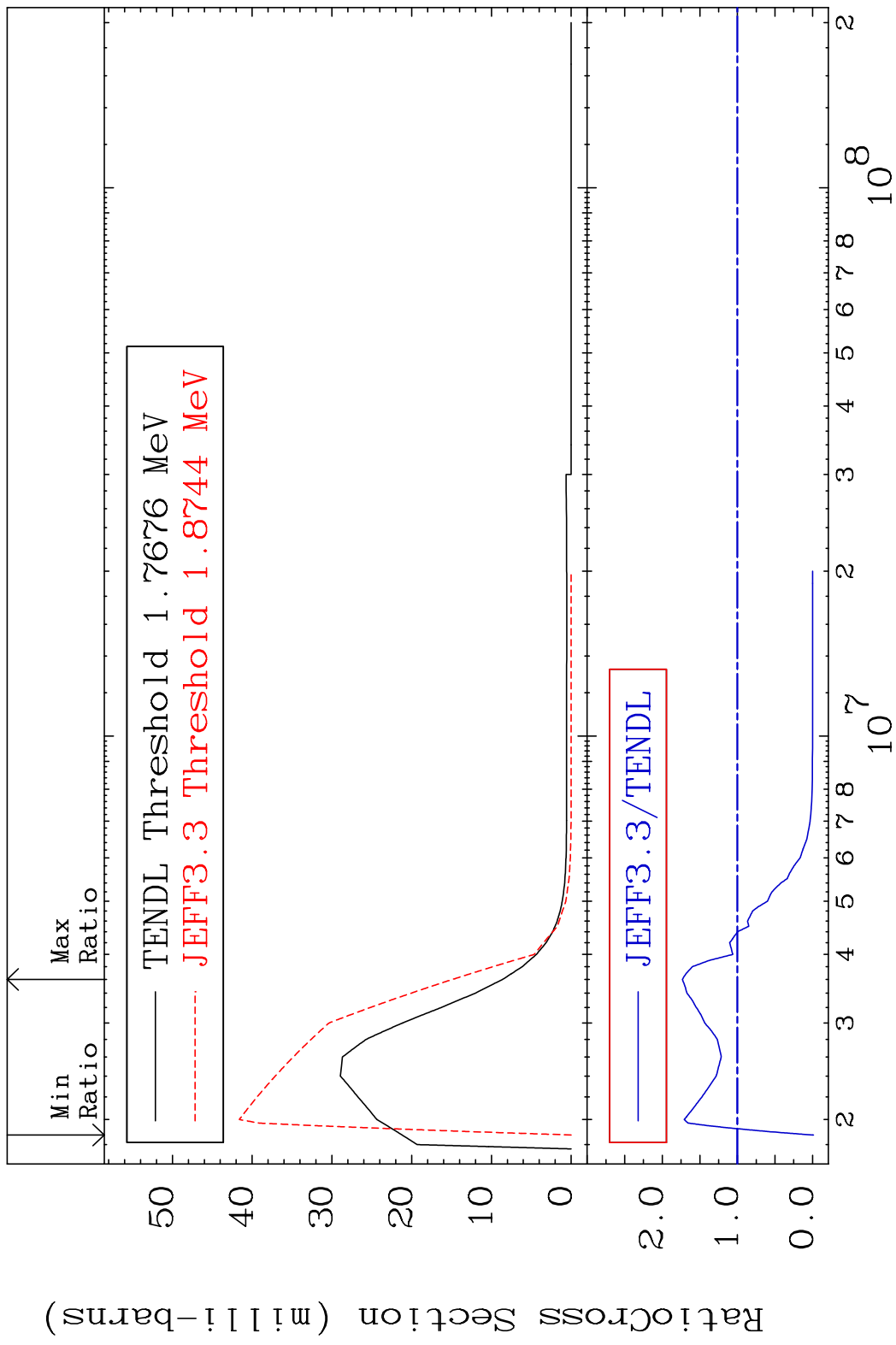
MAT 6425 MT= 74 (n,n') Level 64-Gd-152
 Cross Section -100.0 To 2018. %



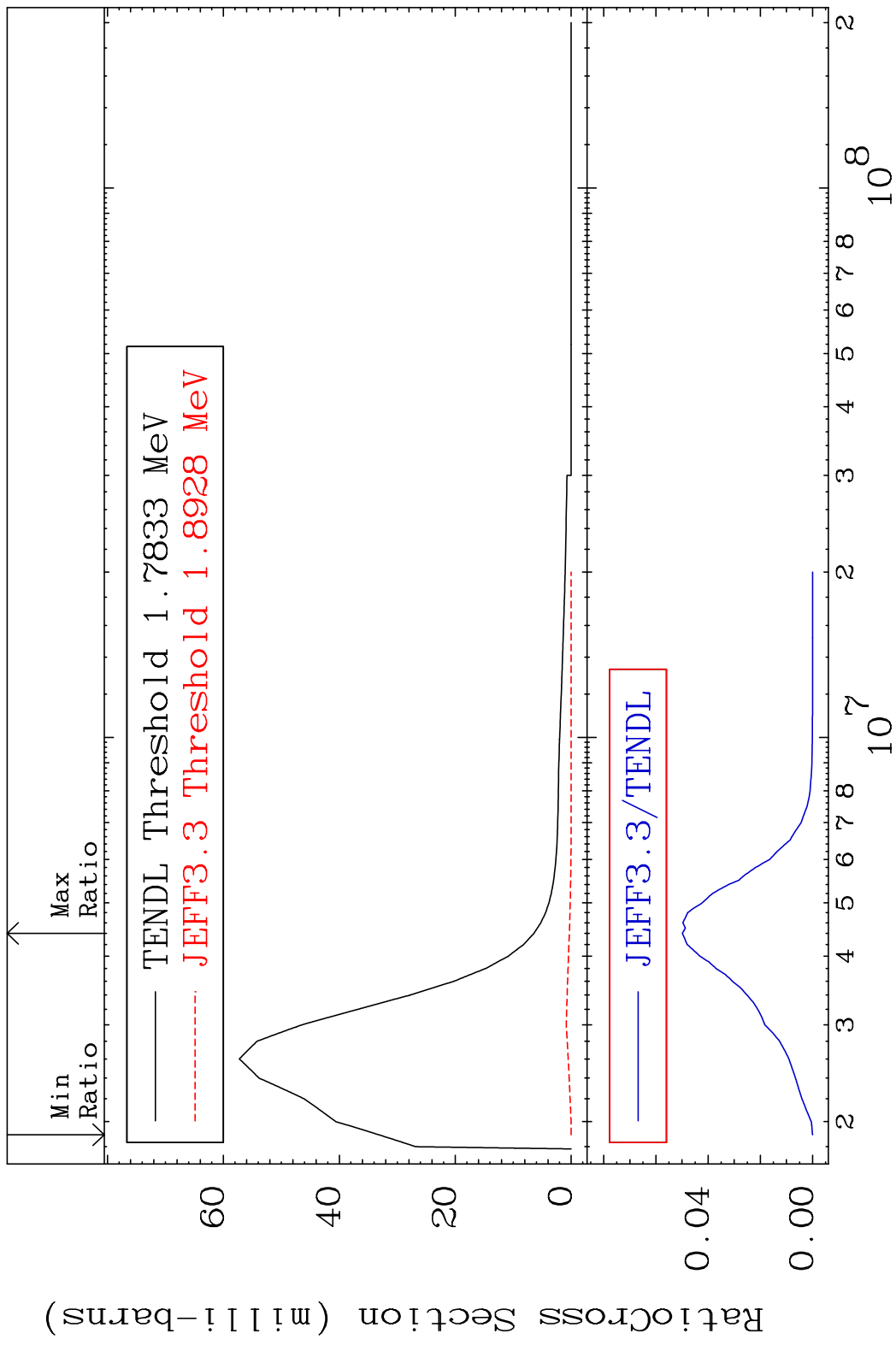
MAT 6425 MT= 75 (n,n') Level 64-Gd-152
 Cross Section -100.0 To 9999. %



MAT 6425 MT= 76 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 73.29 %



MAT 6425 MT= 77 (n,n') Level 64-Gd-152
 Cross Section -100.0 To -95.01%

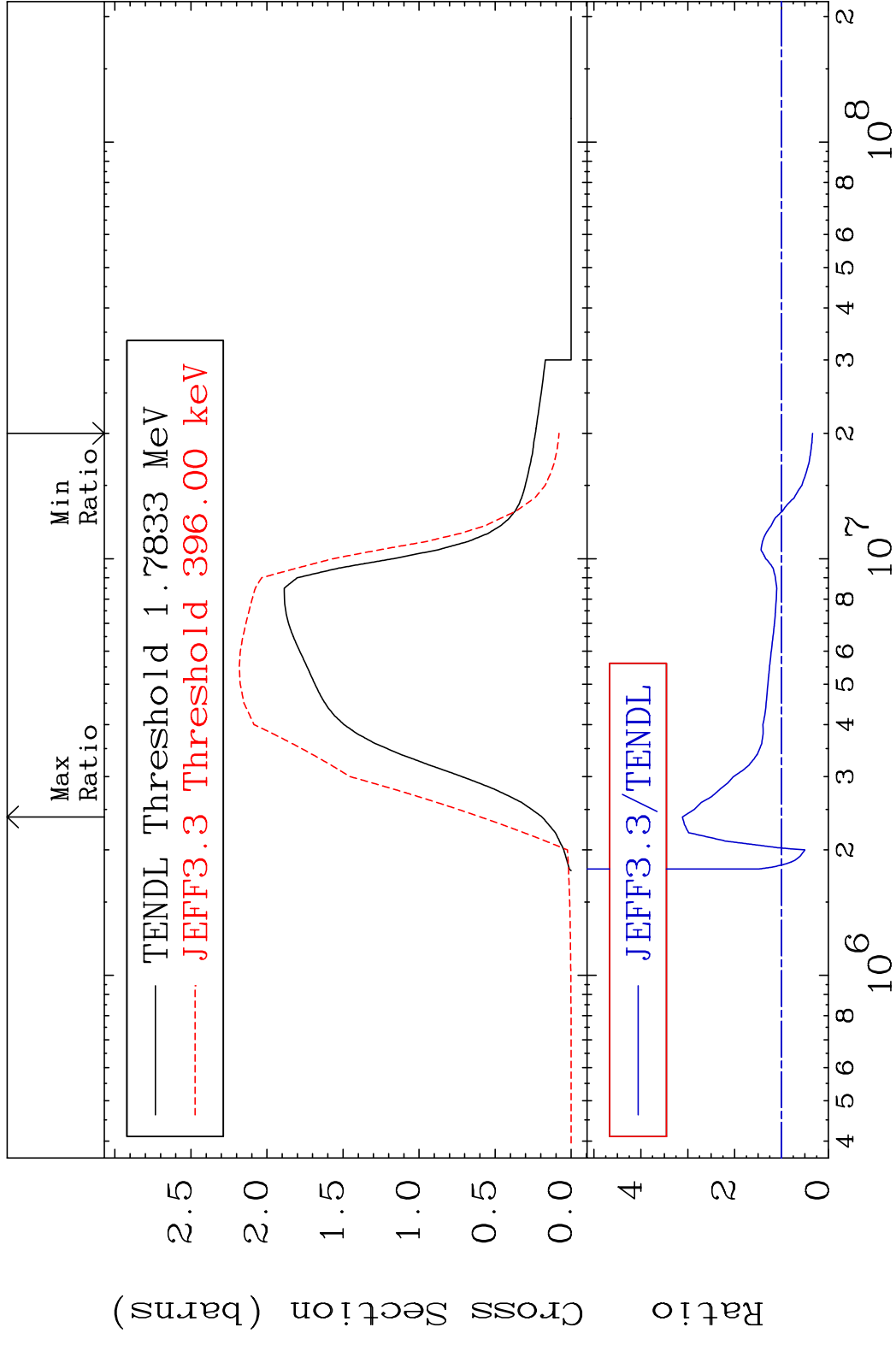


MAT 6425

(n, n') Continuum

64-Gd-152

Cross Section -66.22 To 211.5 %

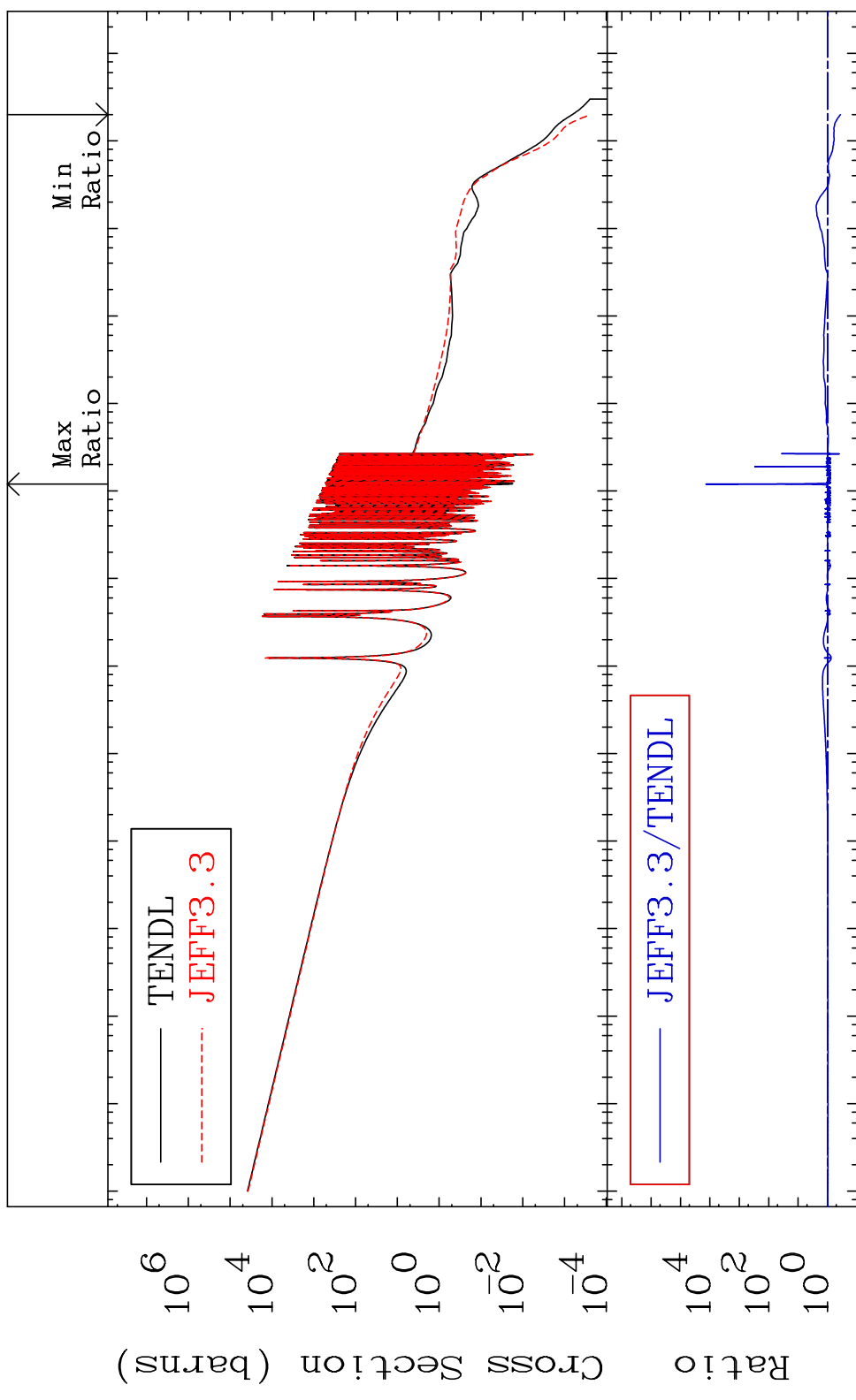


MAT 6425

(n, γ)

64-Gd-152

Cross Section -63.75 To 9999. %

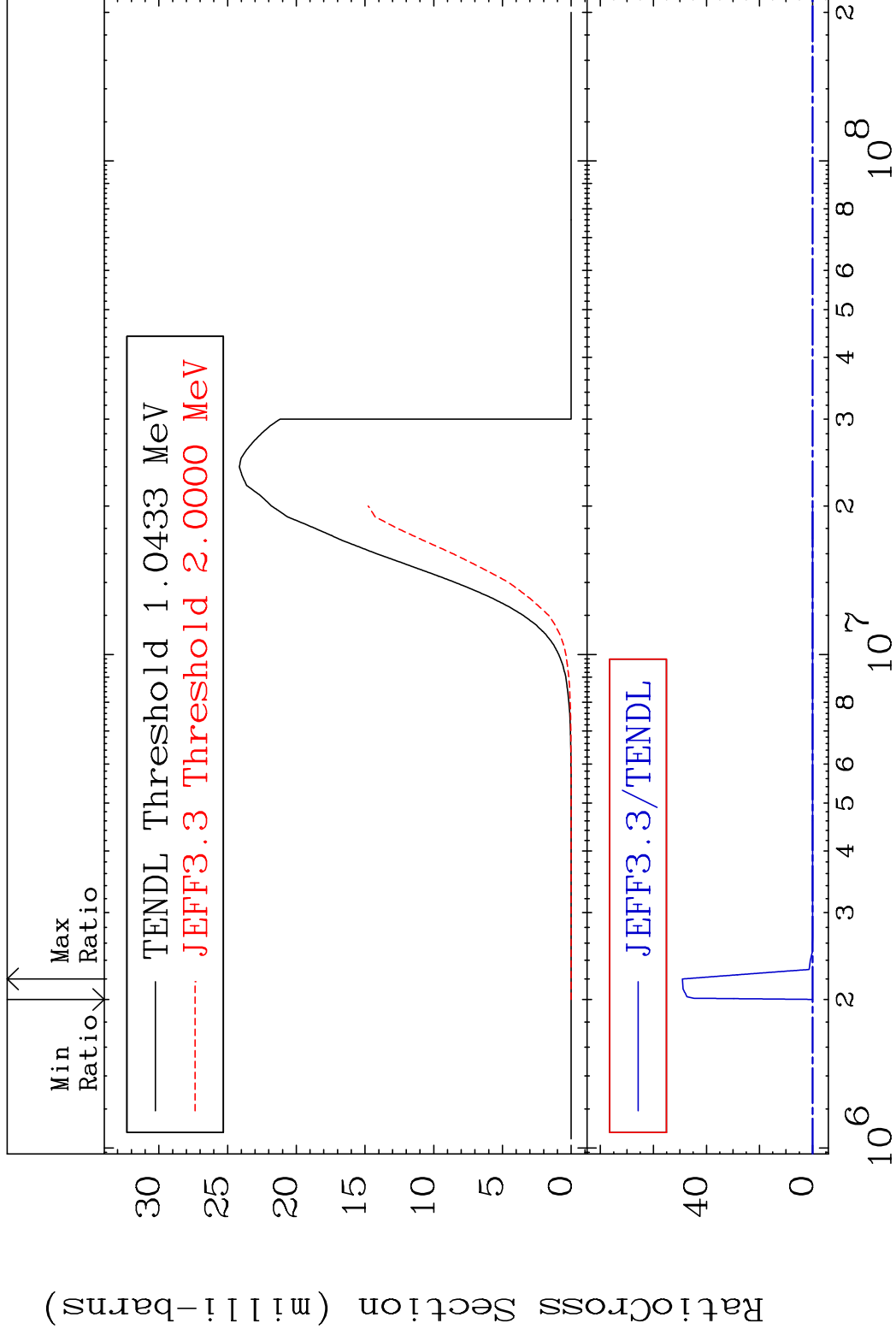


MAT 6425

(n,p)

64-Gd-152

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

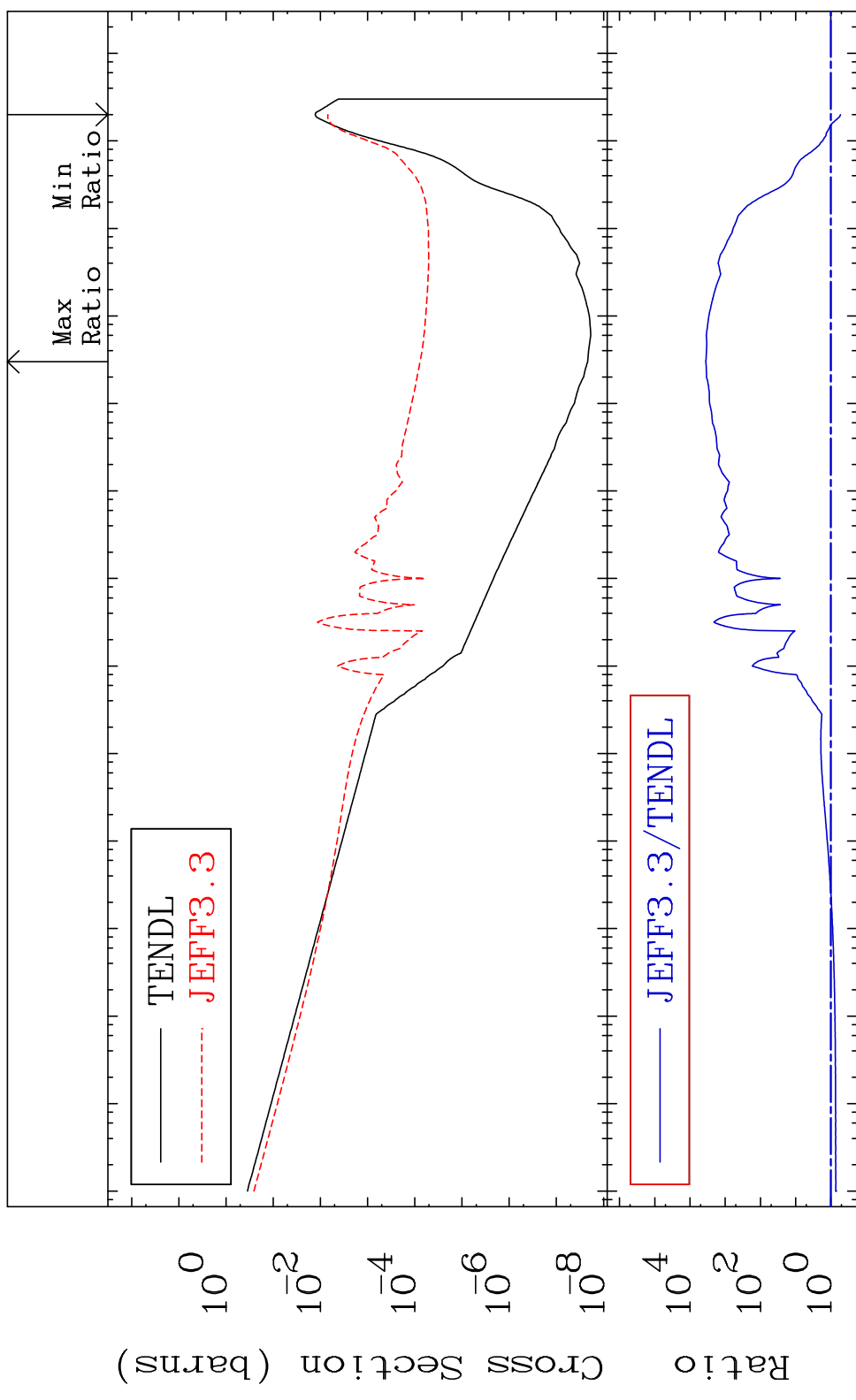
64-Gd-152

MAT 6425

(n, α)

64-Gd-152

Cross Section -46.30 To 9999. %



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

40

Incident Energy (eV)

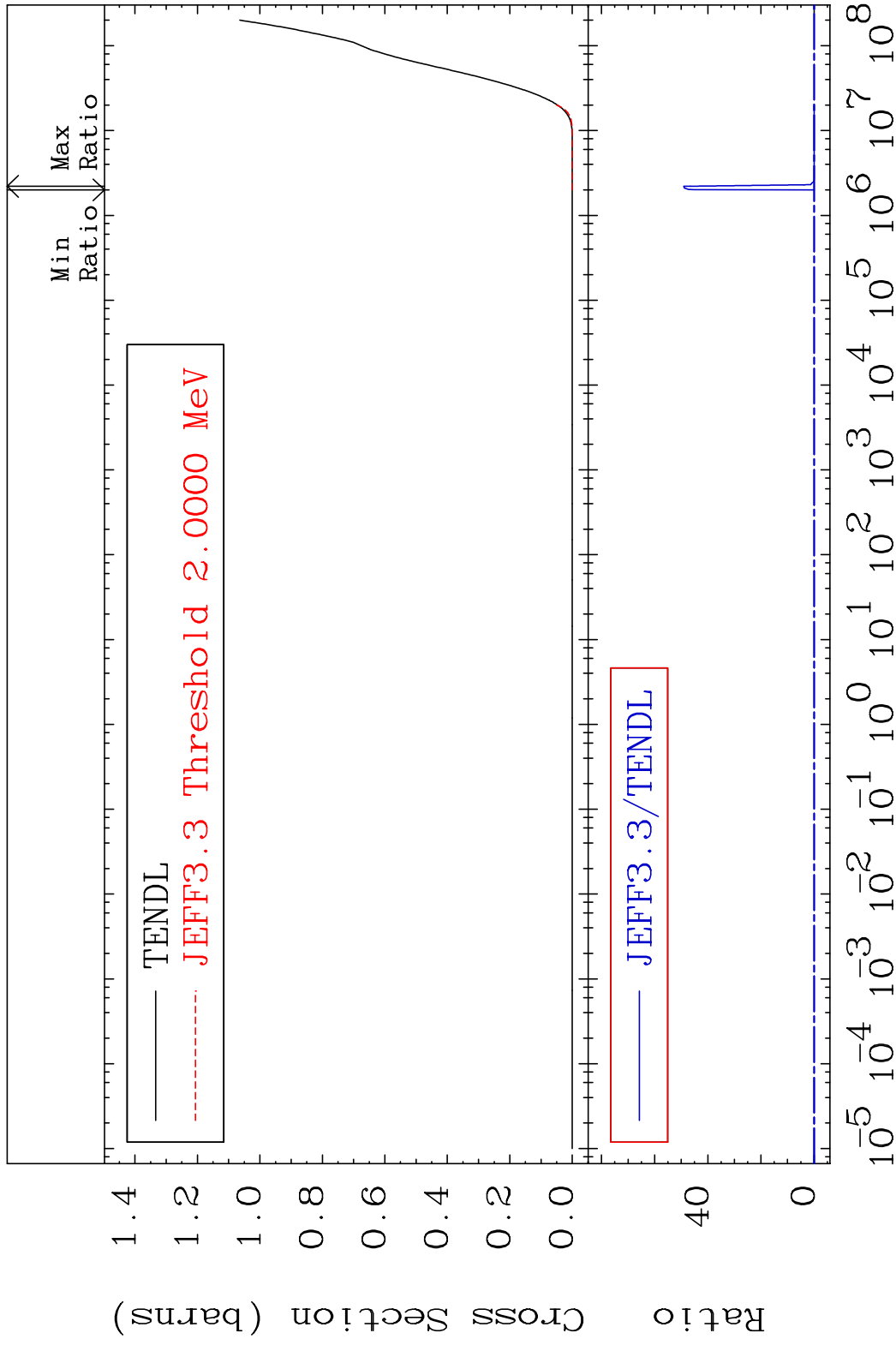
64-Gd-152

MAT 6425

Hydrogen Production

64-Gd-152

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

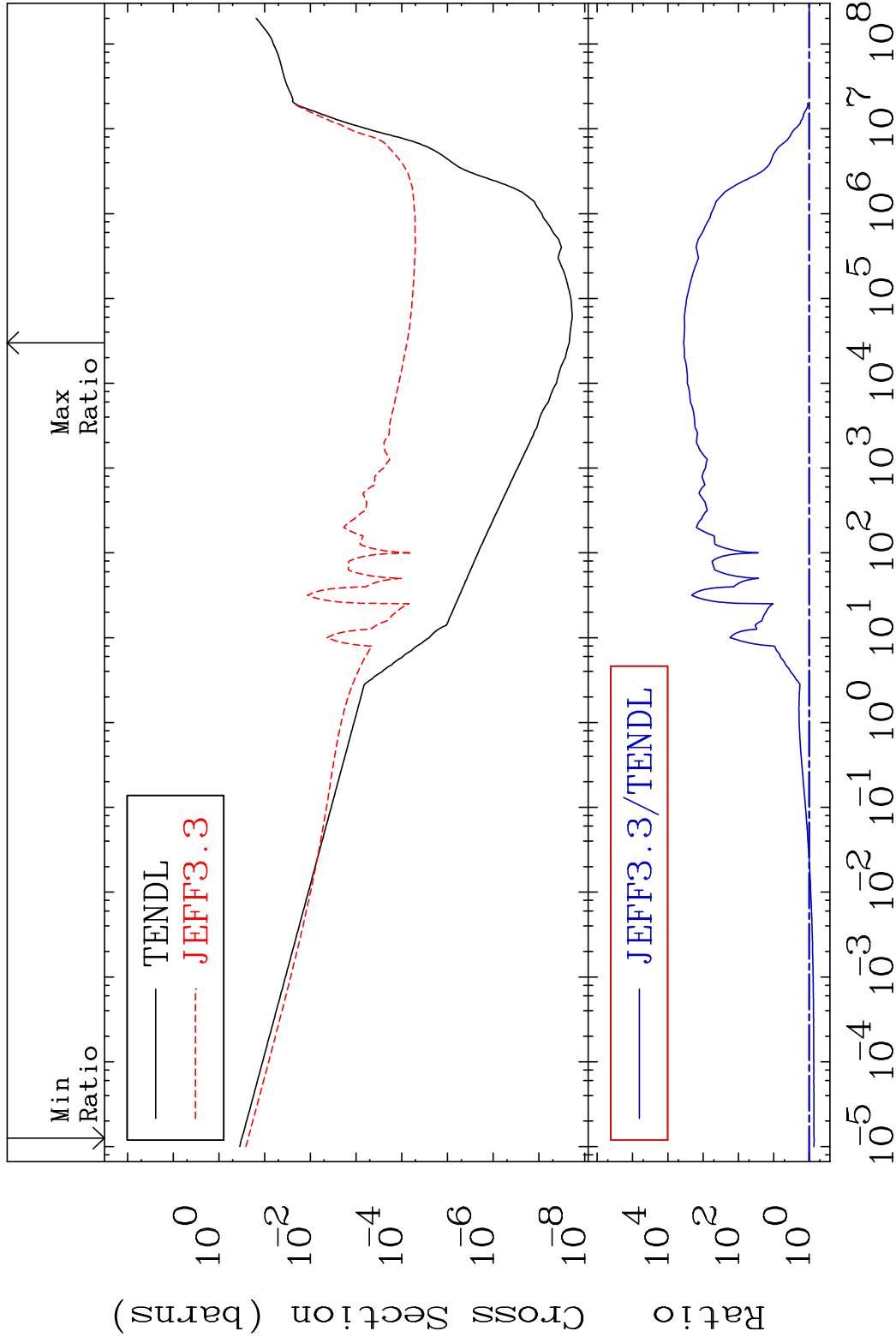
64-Gd-152

MAT 6425

He-4 Production

64-Gd-152

Cross Section -27.84 To 9999. %

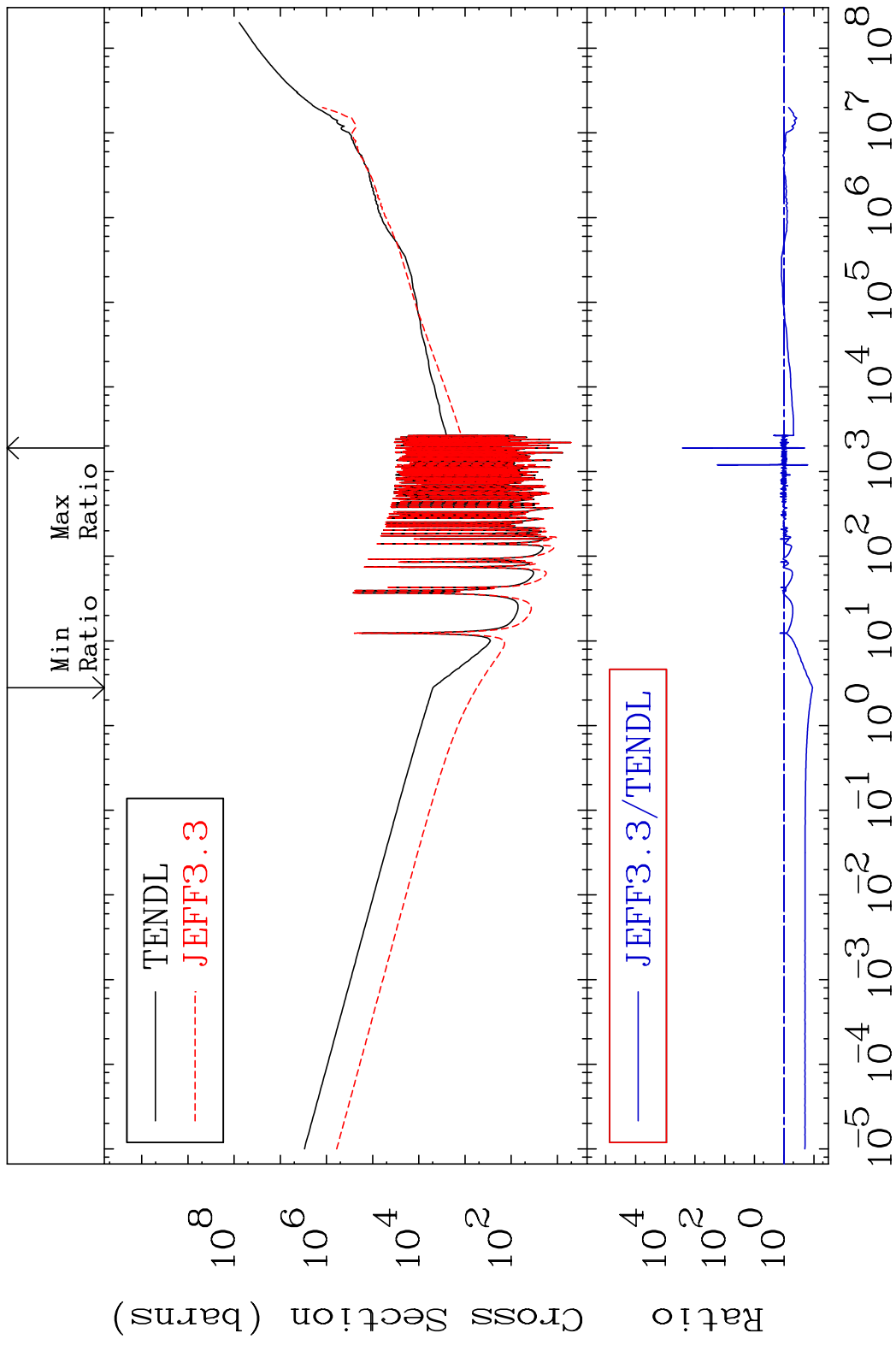


42

Incident Energy (eV)

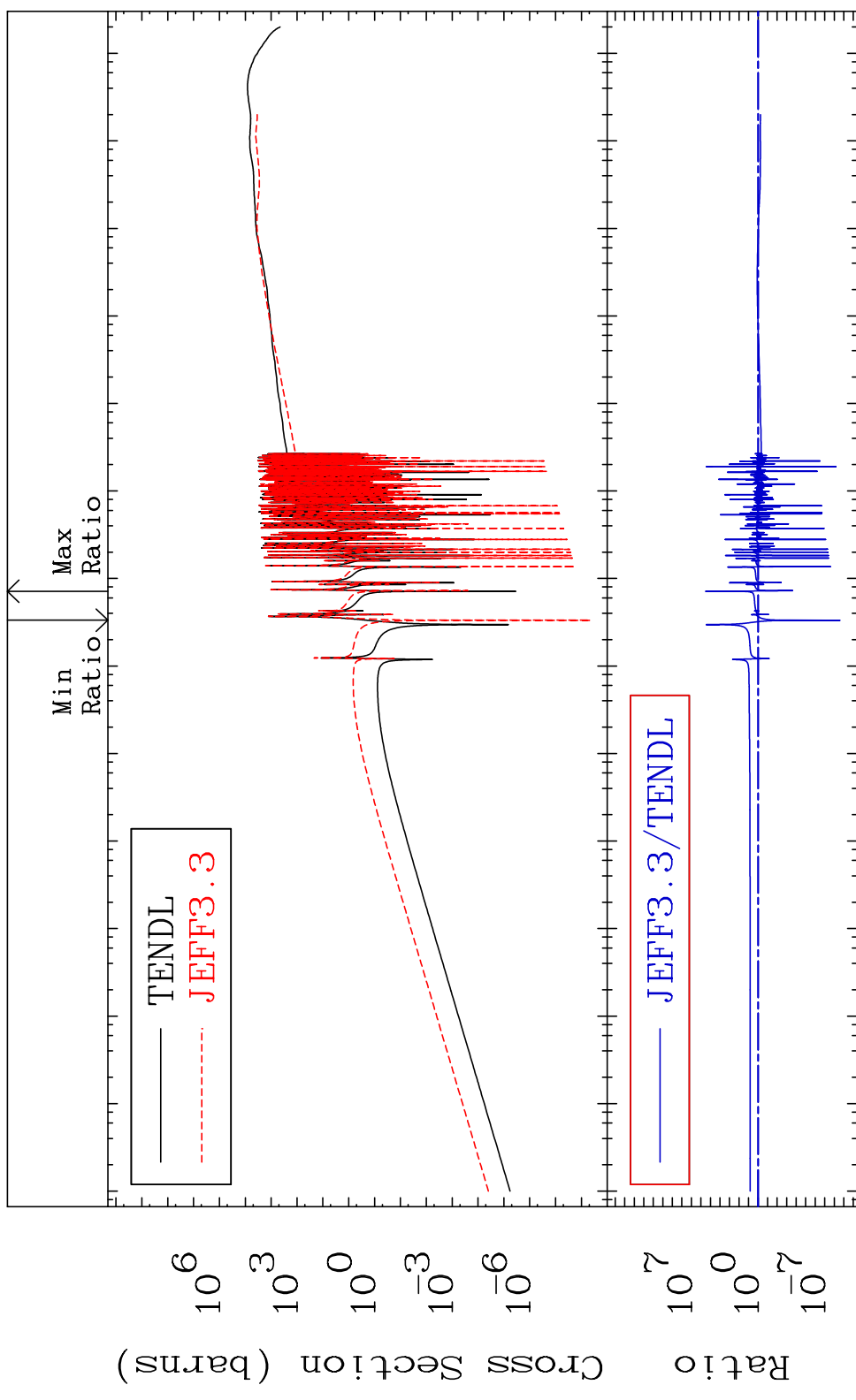
64-Gd-152

MAT 6425 Kerma total (eV-barns) 64-Gd-152
 Cross Section -88.89 To 9999. %

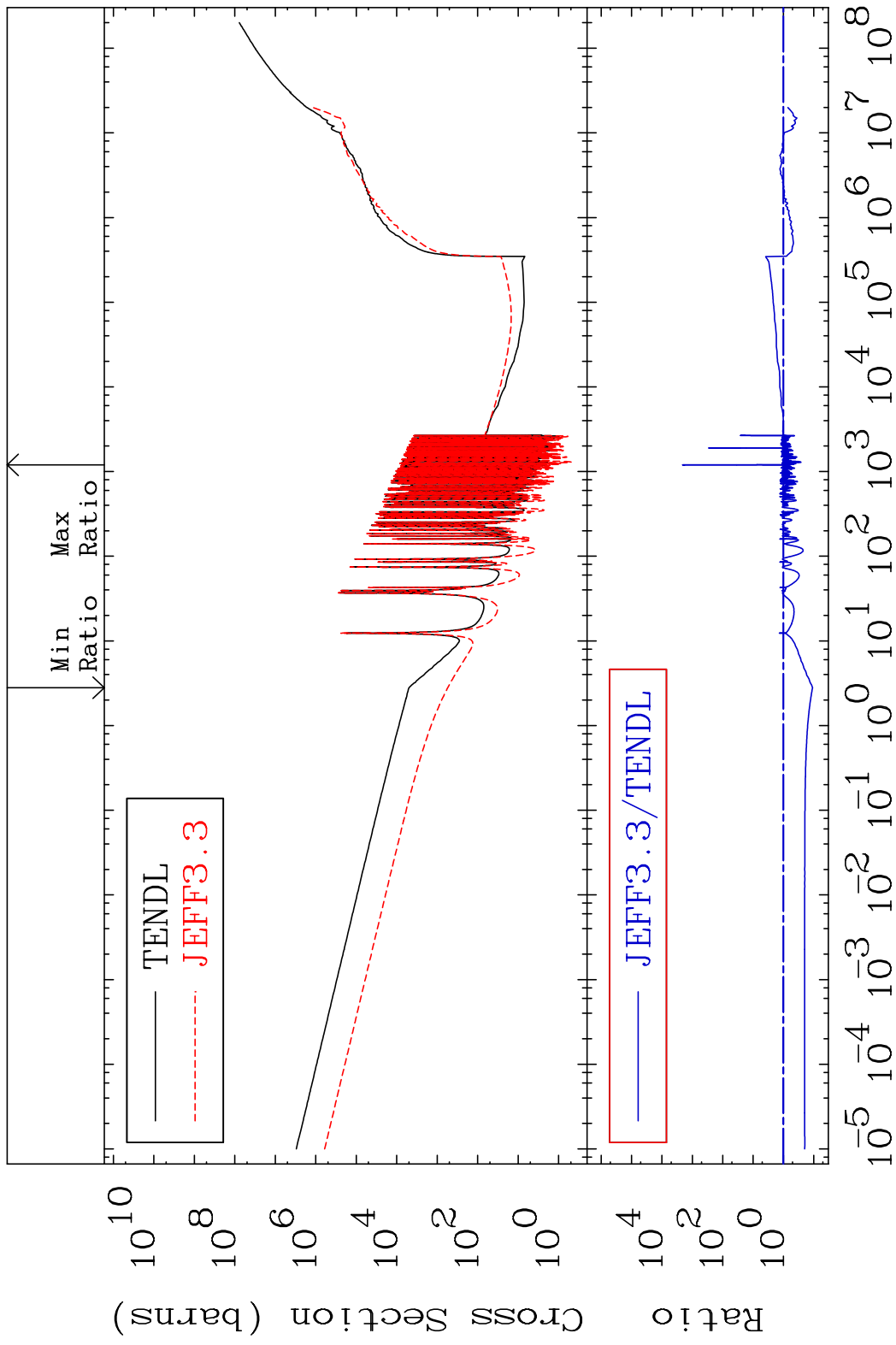


MAT 6425

Kerma elastic Cross Section -100.0 To 9999. %
64-Gd-152

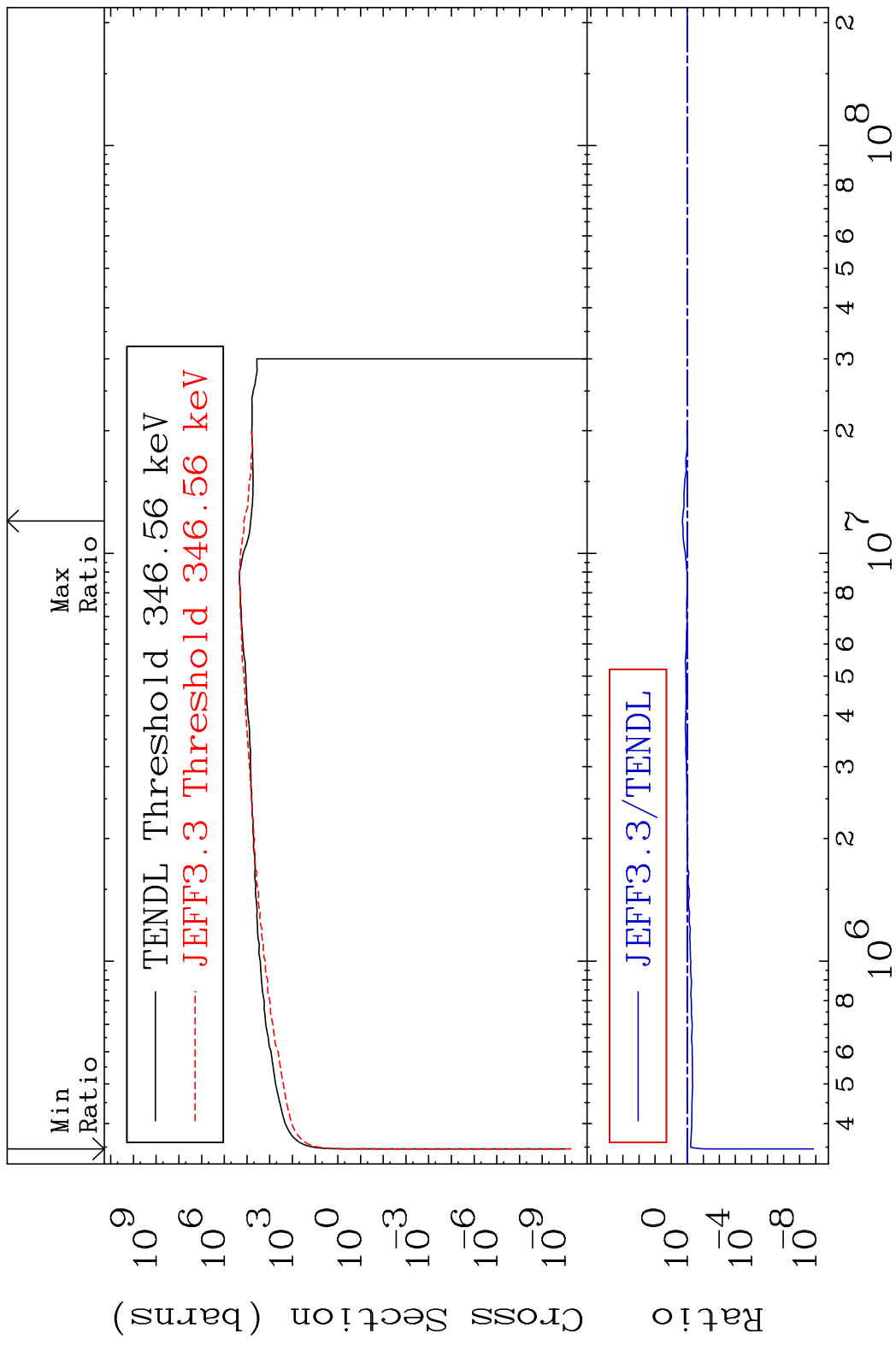


MAT 6425 Kerma non-elastic (all but mt2) 64-Gd-152
 Cross Section -89.00 To 9999. %

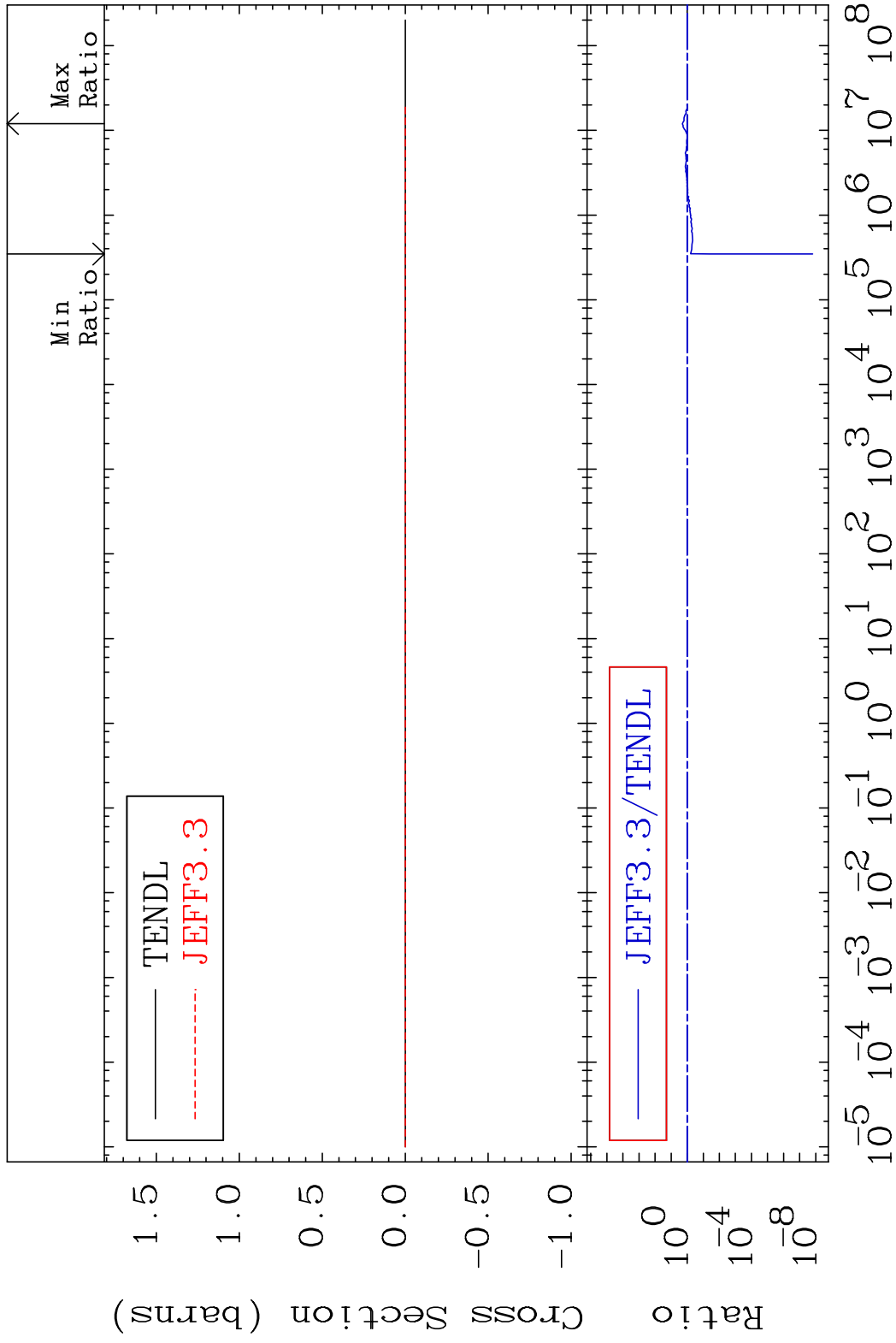


45 Incident Energy (eV) 64-Gd-152

MAT 6425 Kerma inelastic (mt51-91) 64-Gd-152
 Cross Section -100.0 To 100.3 %

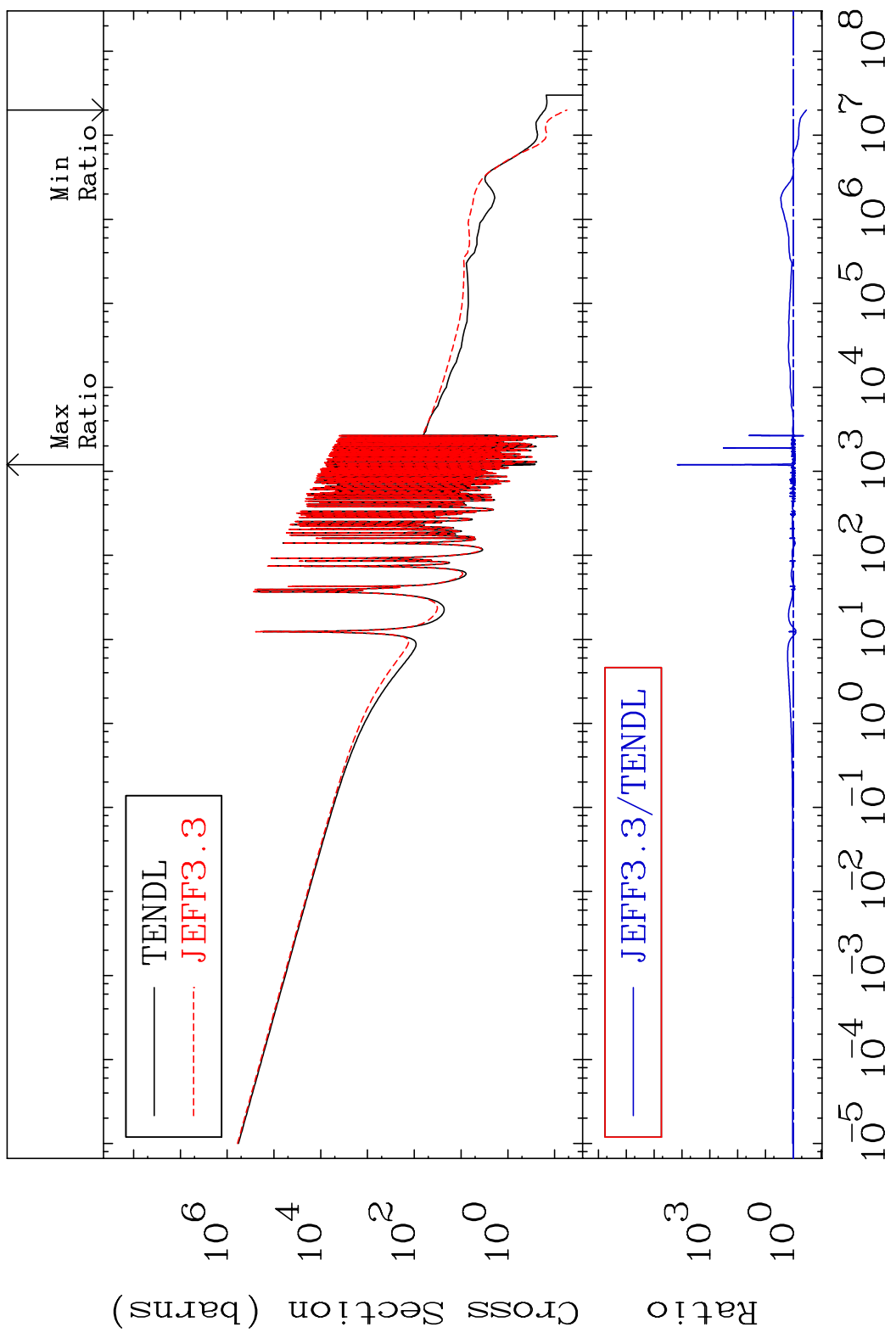


MAT 6425 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-152
 Cross Section -100.0 To 100.3 %

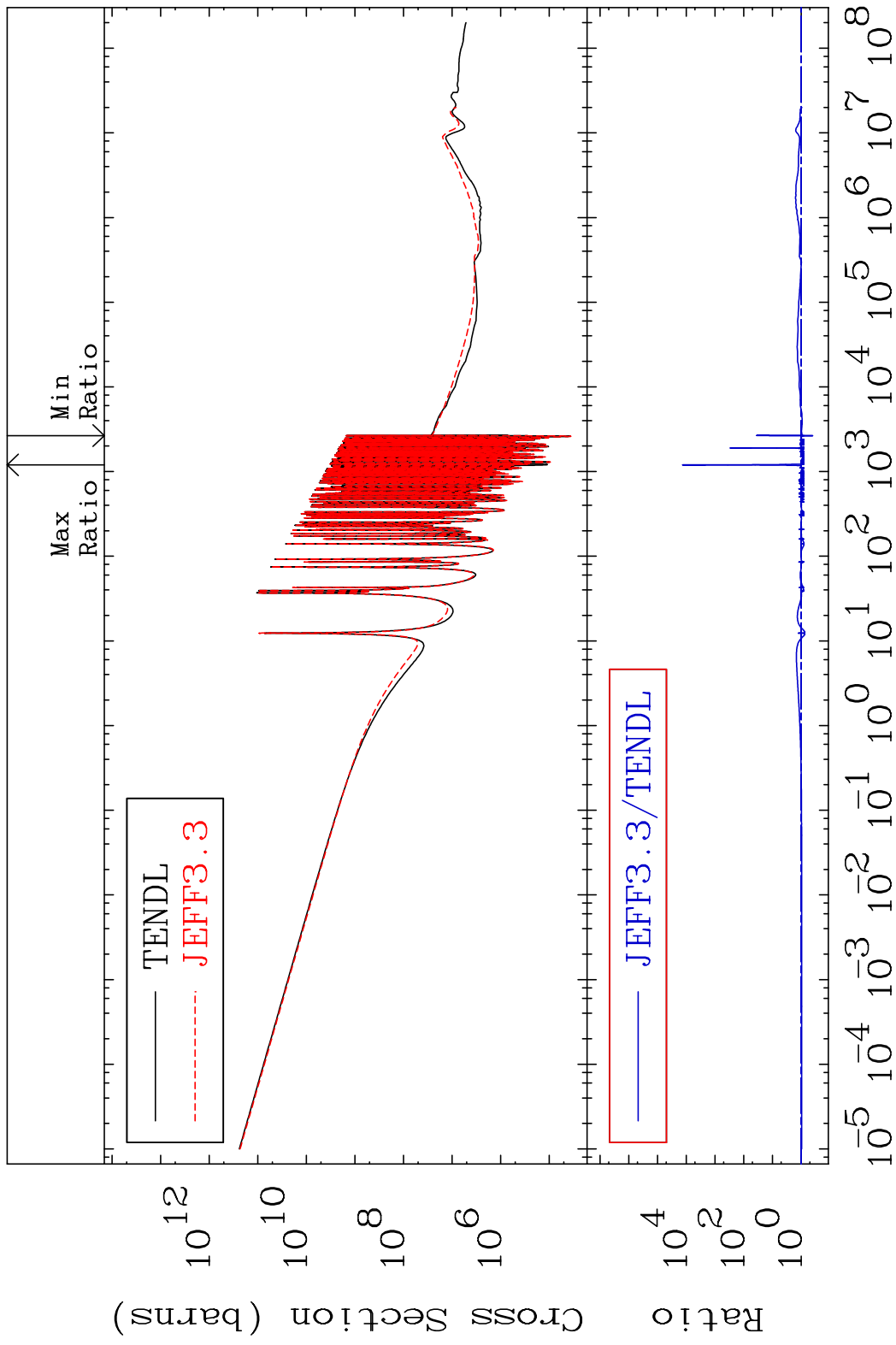


MAT 6425

Kerma capture (mt102) 64-Gd-152
Cross Section -66.17 To 9999. %

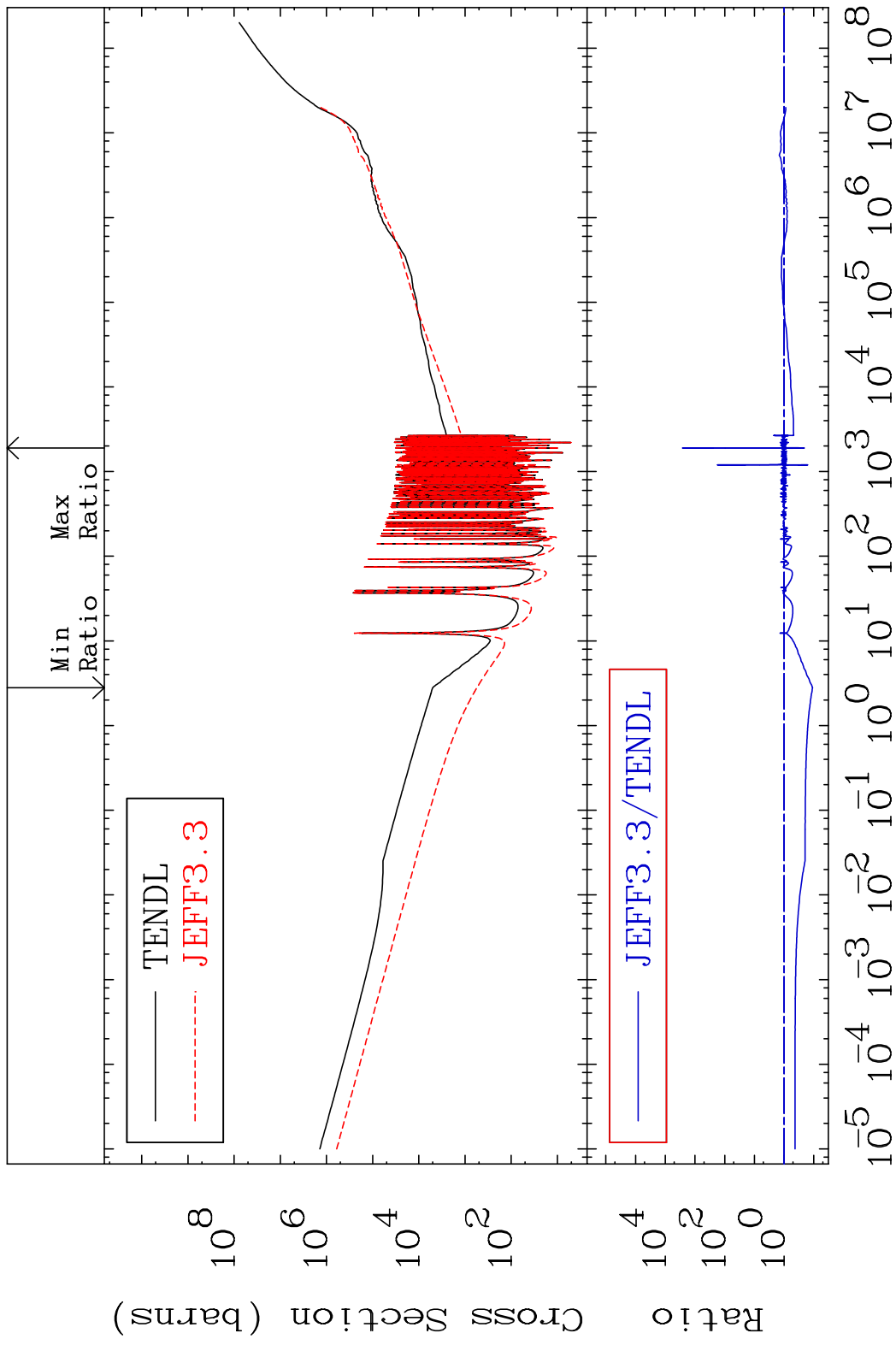


MAT 6425 Total photon (eV-barns) 64-Gd-152
Cross Section -59.59 To 9999. %



49 Incident Energy (eV) 64-Gd-152

MAT 6425 Total kinematic kerma (high limit) 64-Gd-152
 Cross Section -88.94 To 9999. %

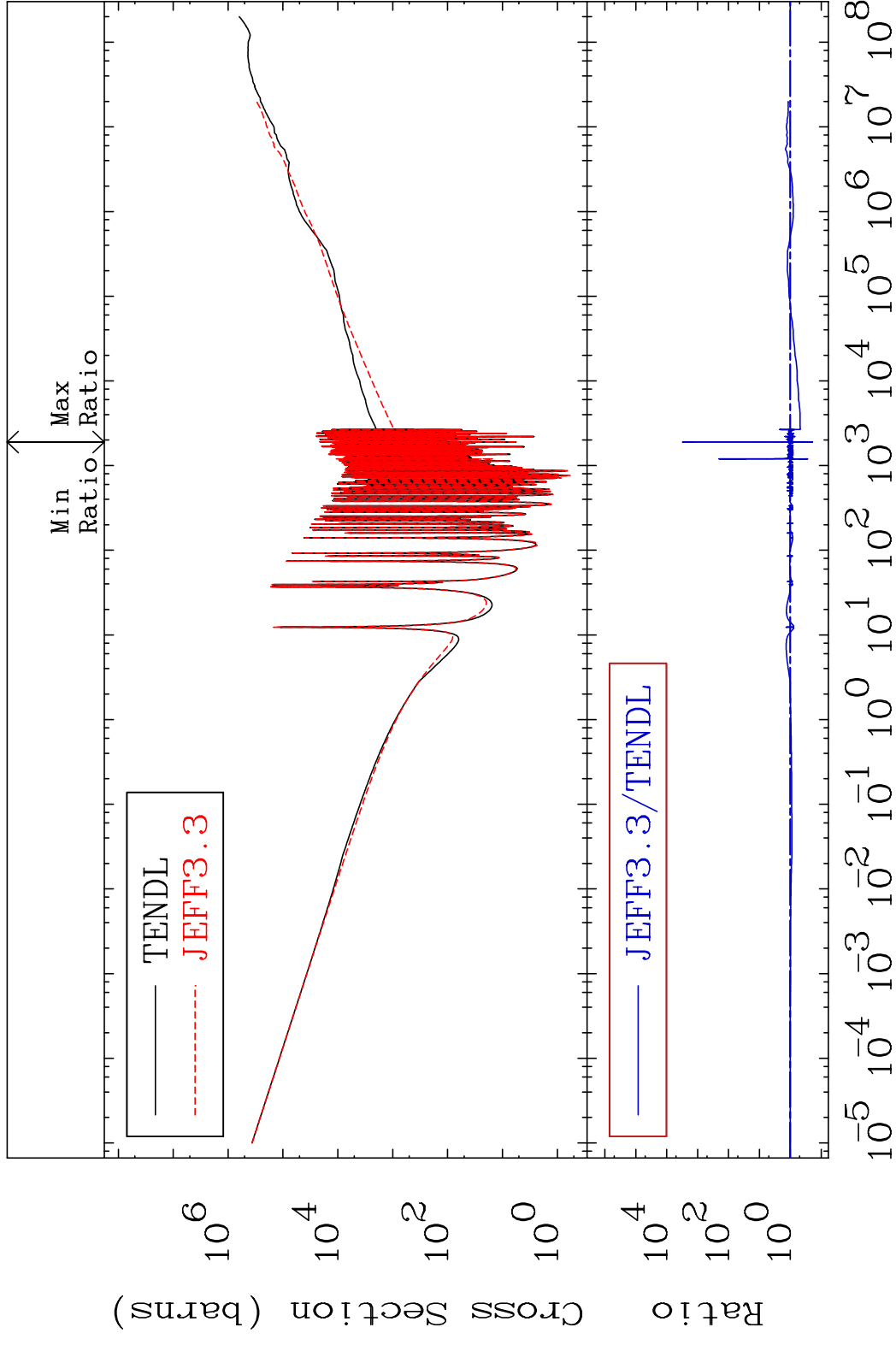


MAT 6425

Dpa total (eV-barns)

64-Gd-152

Cross Section -80.92 To 9999. %



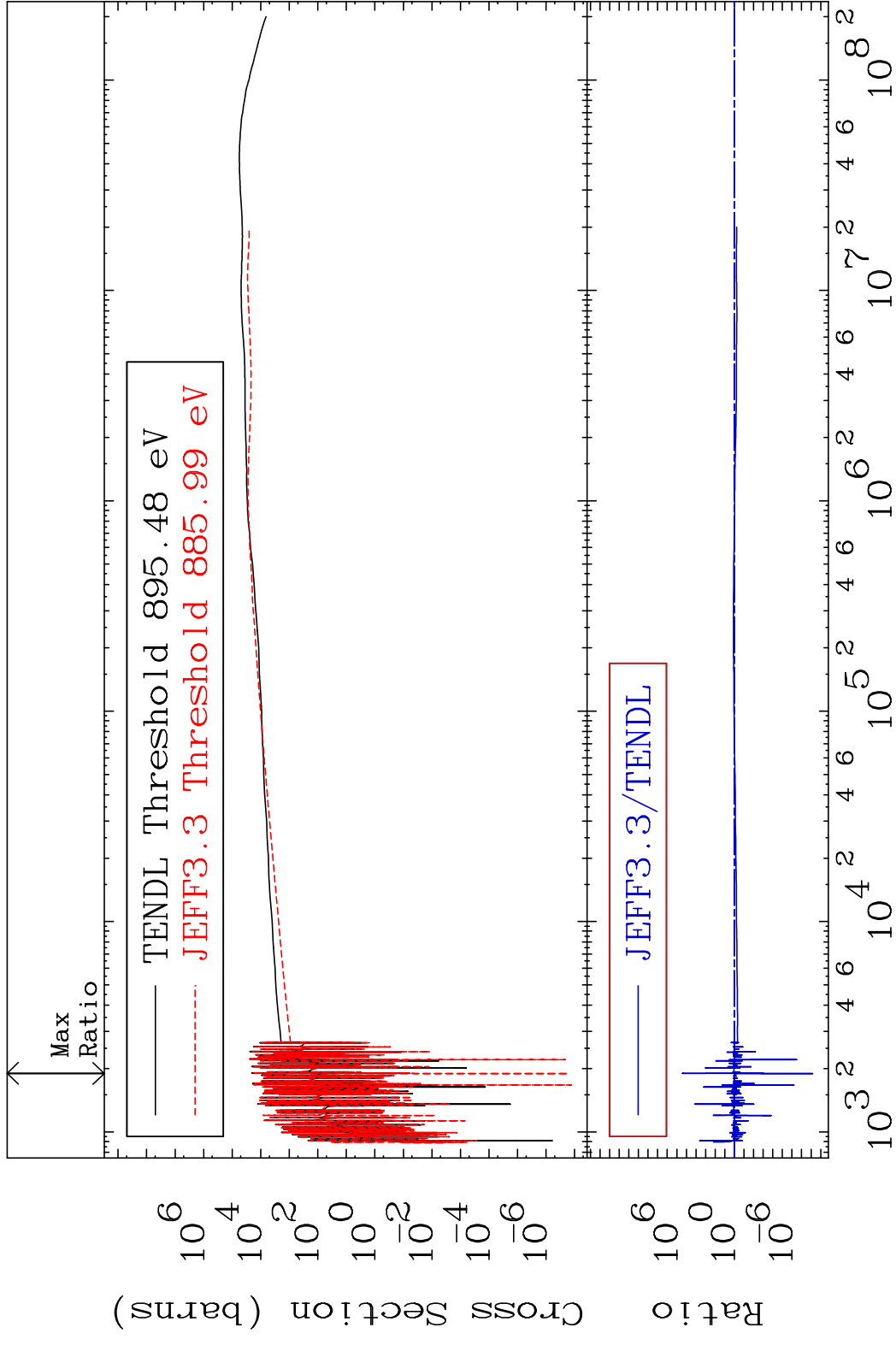
MAT 6425

Dpa elastic (mt2)

64-Gd-152

Cross Section

-100.0 To 9999. %

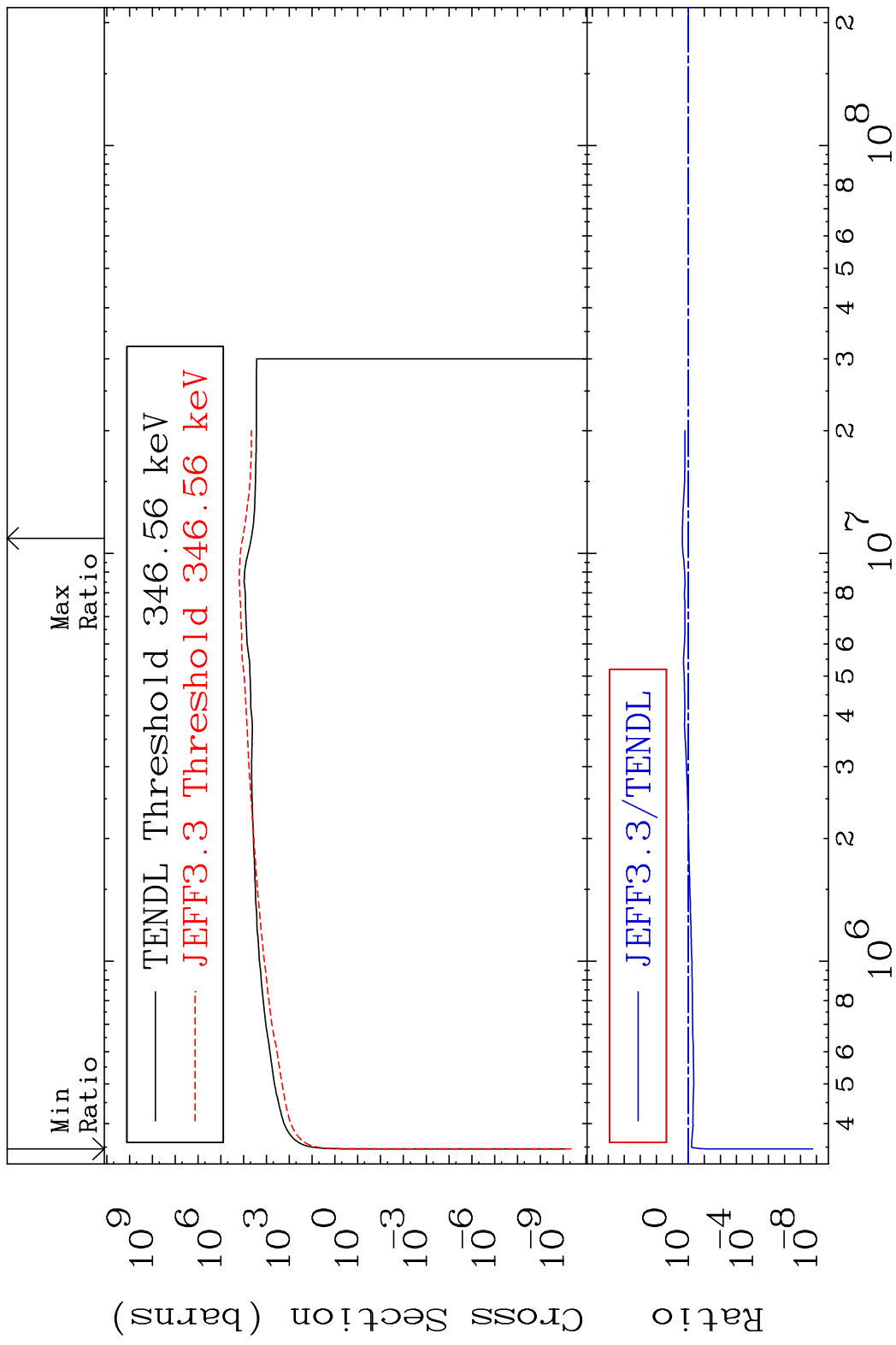


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Incident Energy (eV)

64-Gd-152

MAT 6425 Dpa inelastic (mt51-91) 64-Gd-152
 Cross Section -100.0 To 136.7 %



MAT 6425 Dpa disappearance (mt102 -120) 64-Gd-152
 Cross Section -57.76 To 9999. %

