

Program Complot
(Version 2018-1)

by

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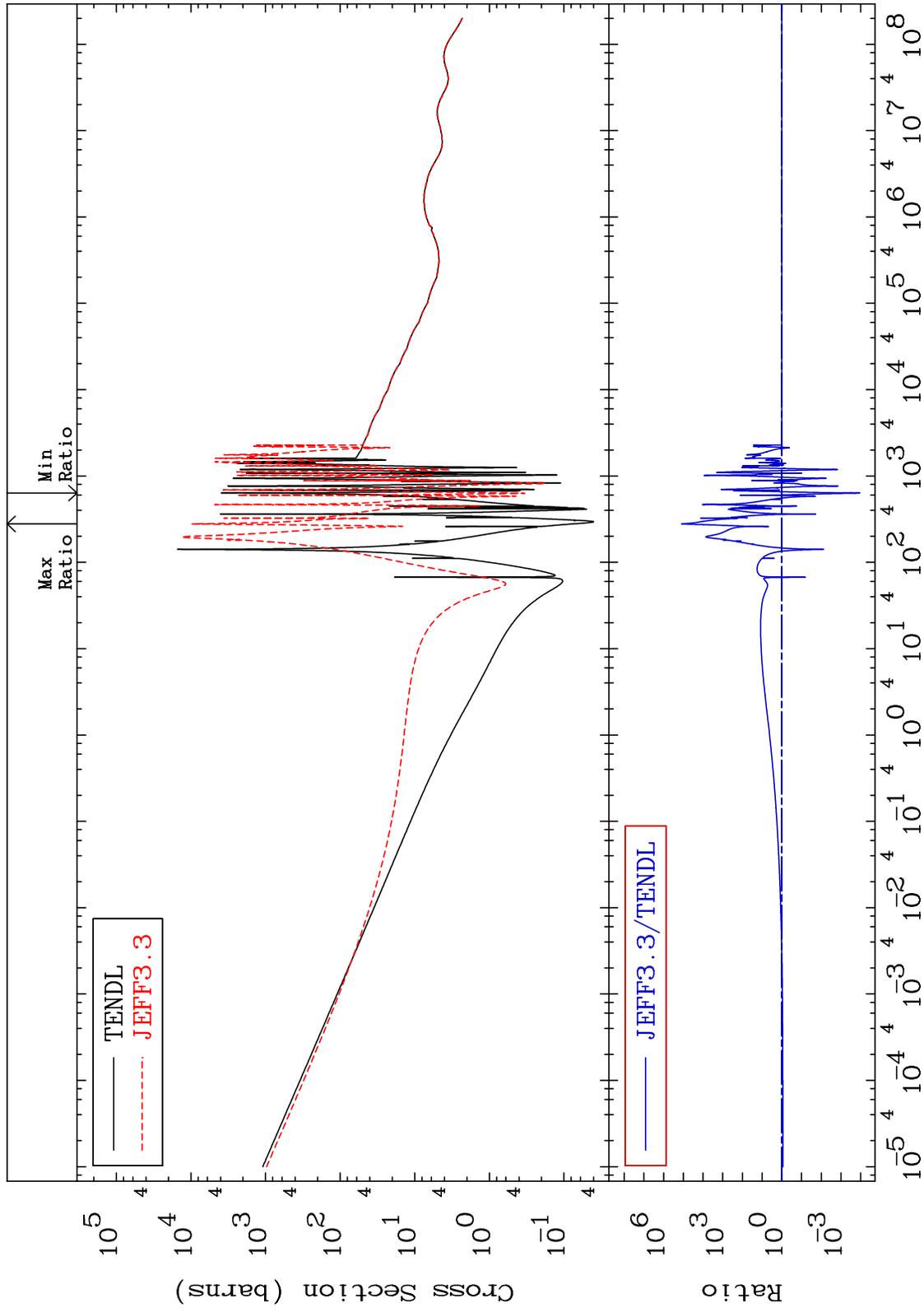
Press Mouse Button to Start

MAT 6231

Total
Cross Section

62-Sm-146

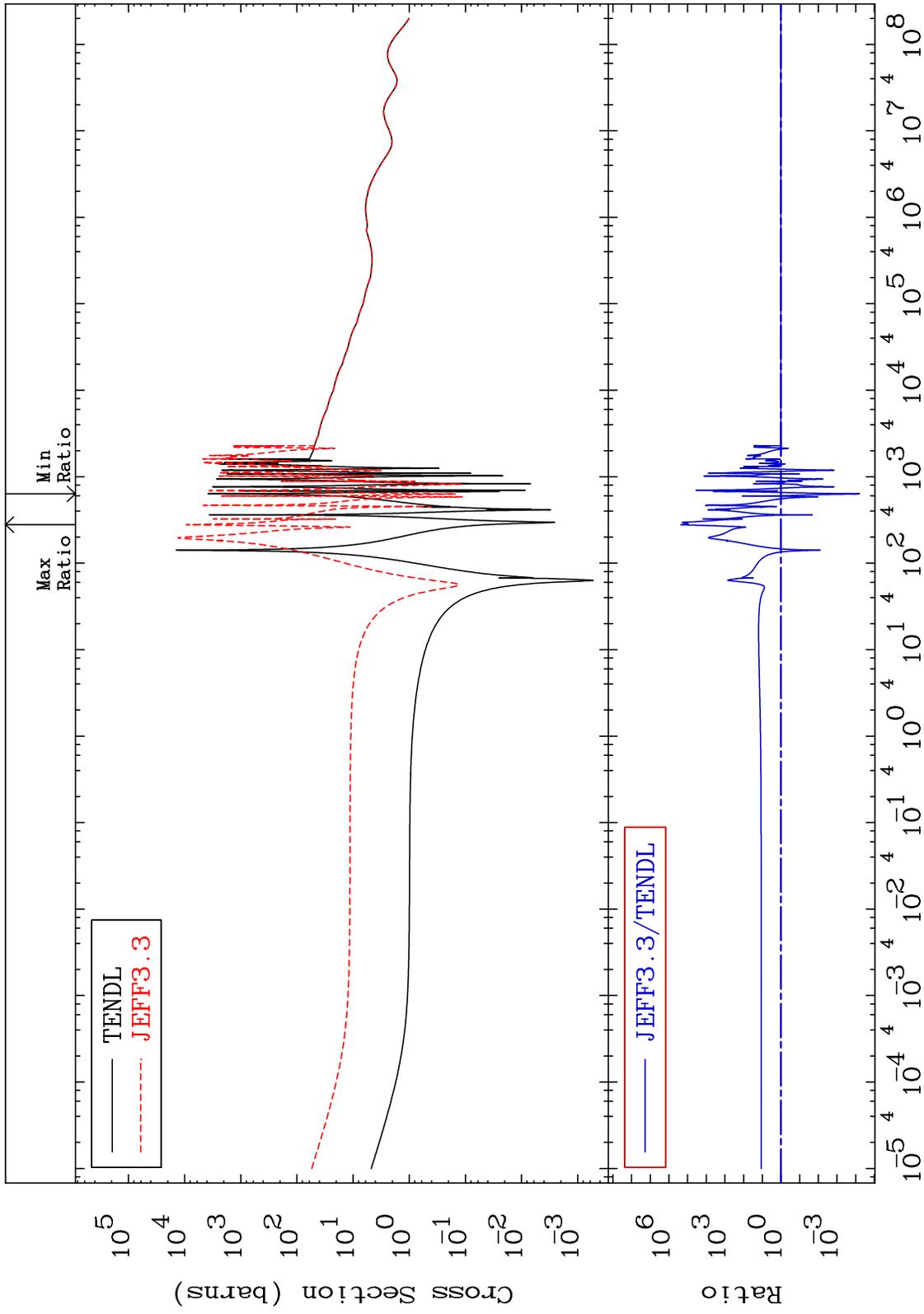
-99.99 To 9999. %



MAT 6231

Elastic
Cross Section

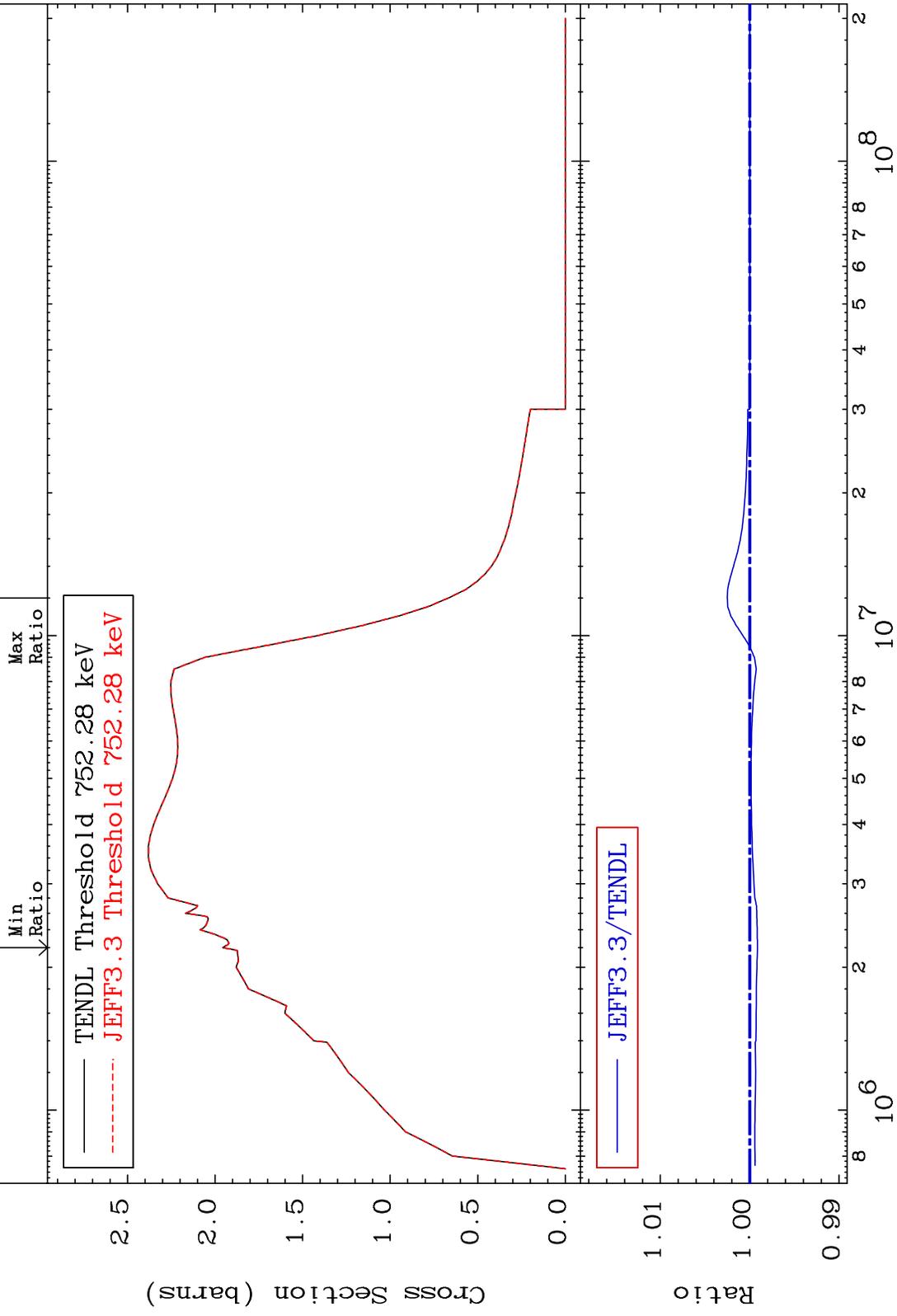
62-Sm-146
-99.99 To 9999. %



MAT 6231

Inelastic
Cross Section

62-Sm-146
-0.087 To 0.251 %

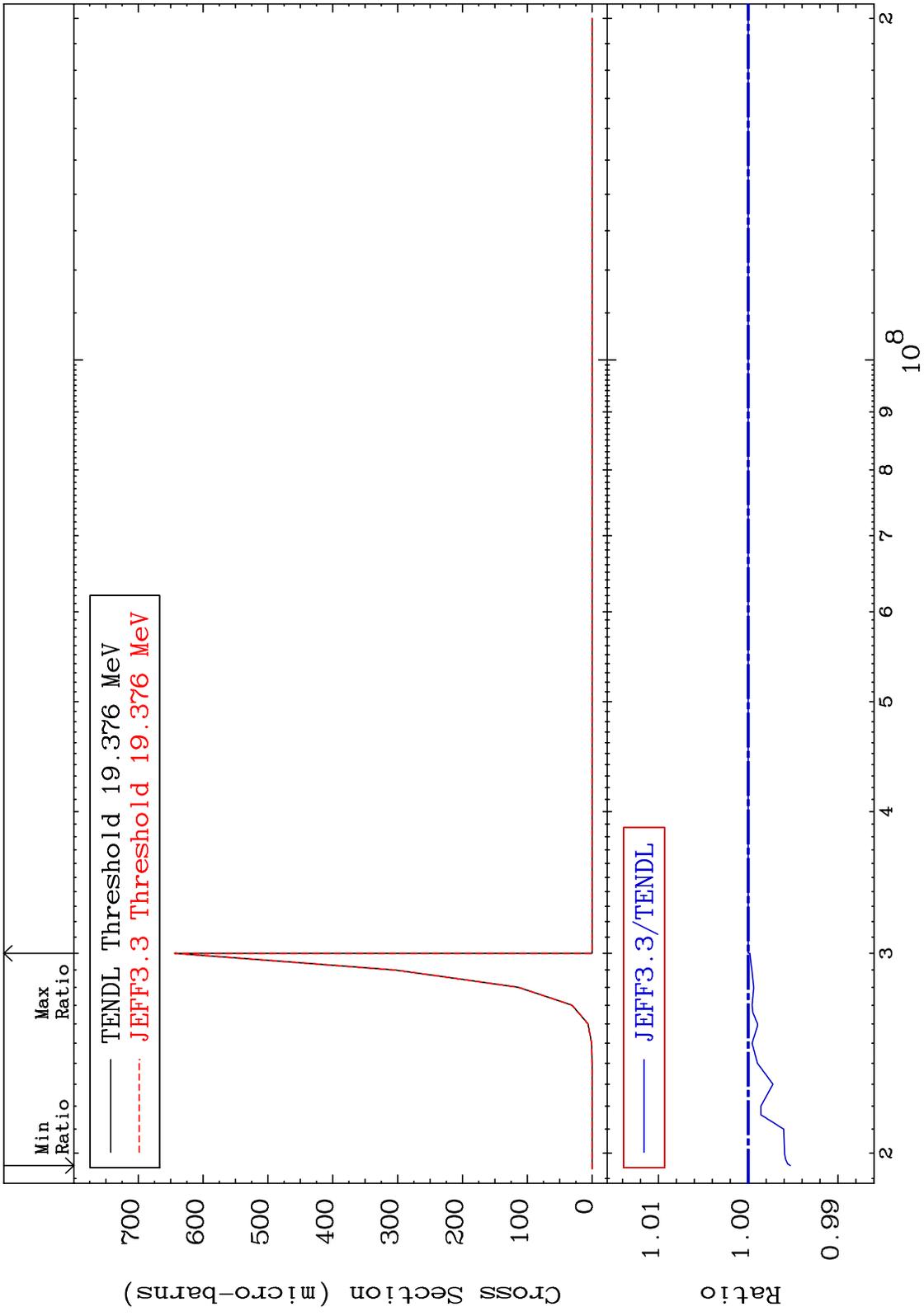


3

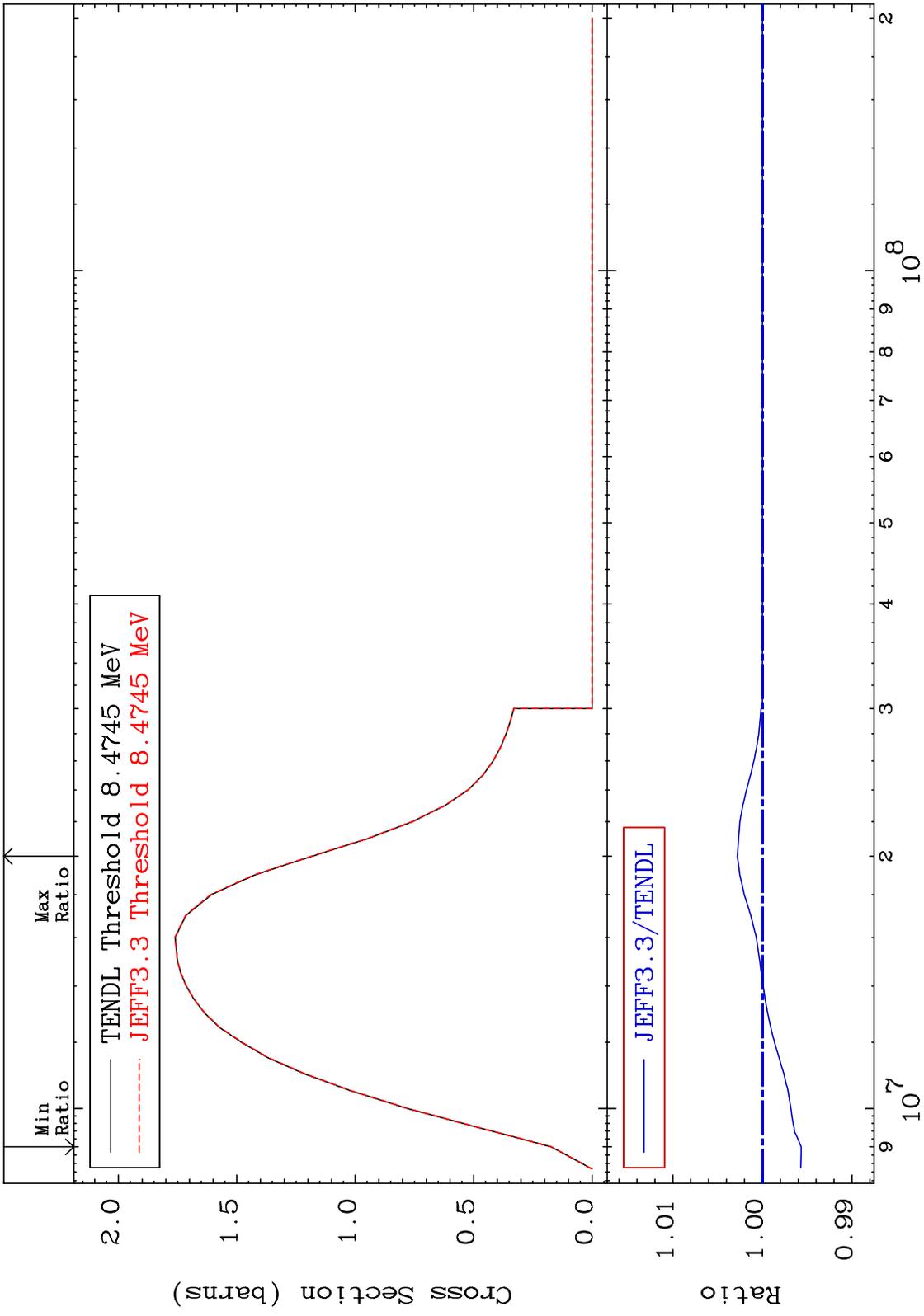
Incident Energy (eV)

62-Sm-146

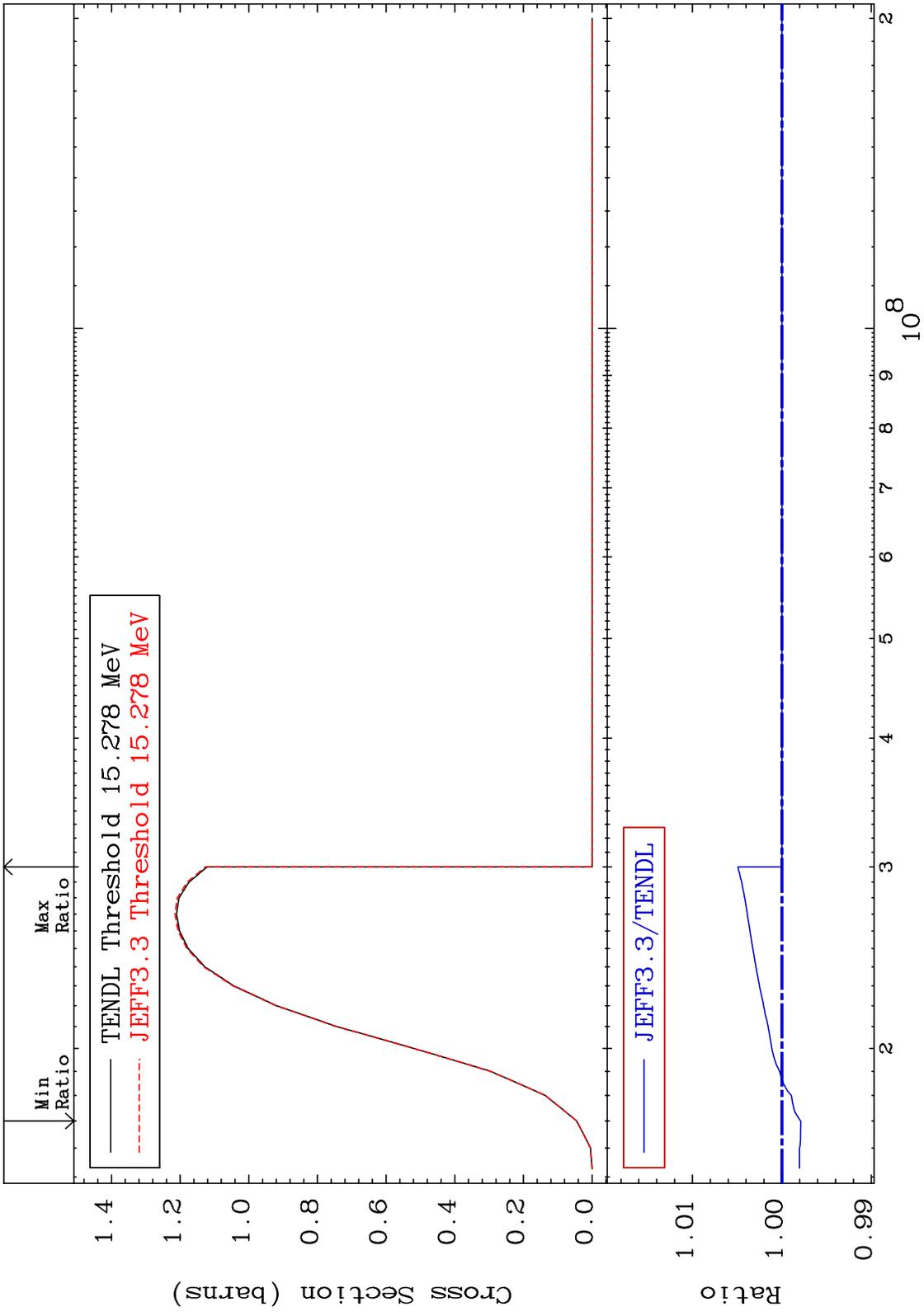
MAT 6231 (n,2n) d 62-Sm-146
 Cross Section -0.468 To 0.000 %



MAT 6231 (n,2n) Cross Section 62-Sm-146 -0.434 To 0.280 %



62-Sm-146



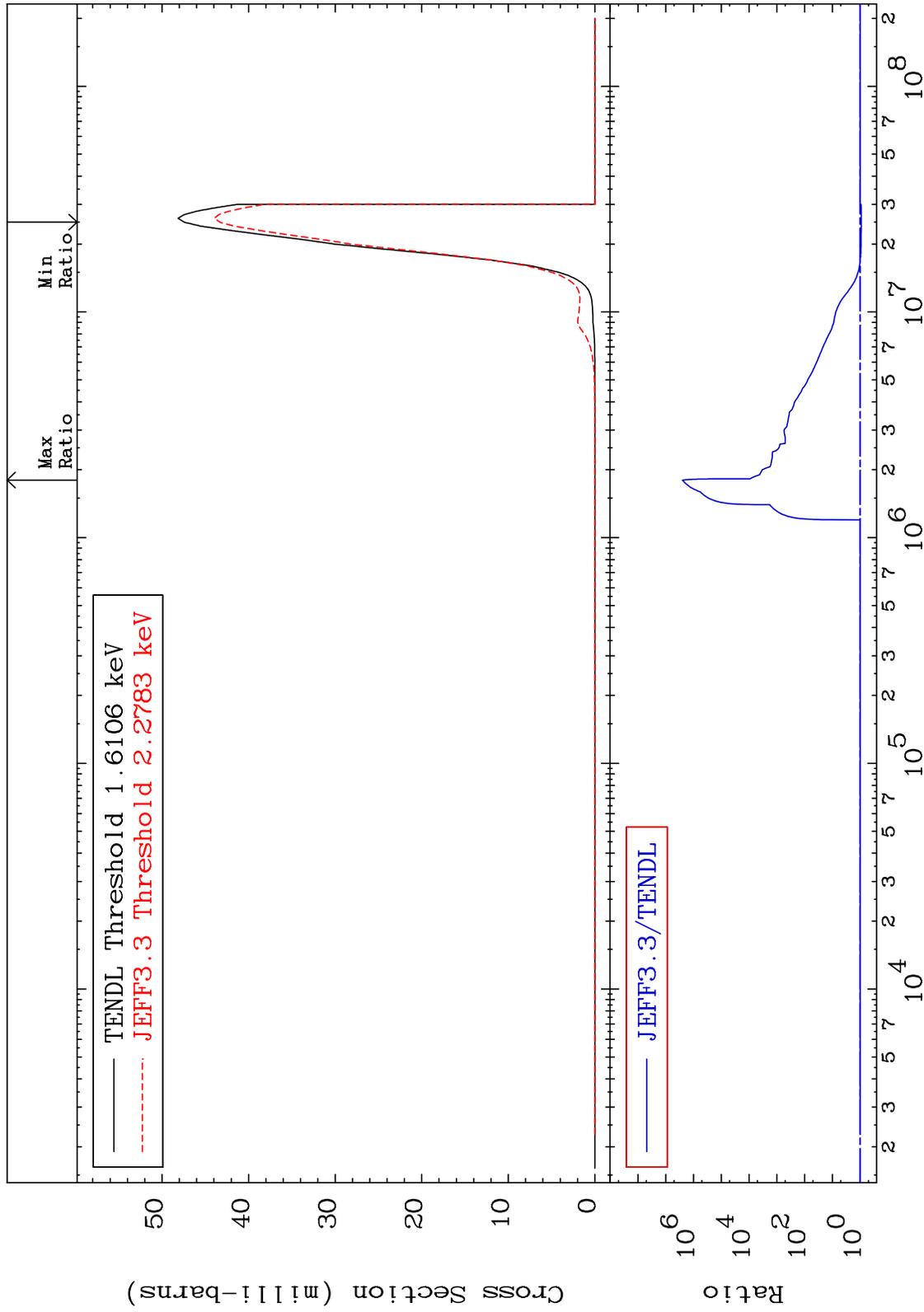
MAT 6231

$(n, n') \alpha$

62-Sm-146

-8.693 To 9999. %

Cross Section



7

Incident Energy (eV)

62-Sm-146

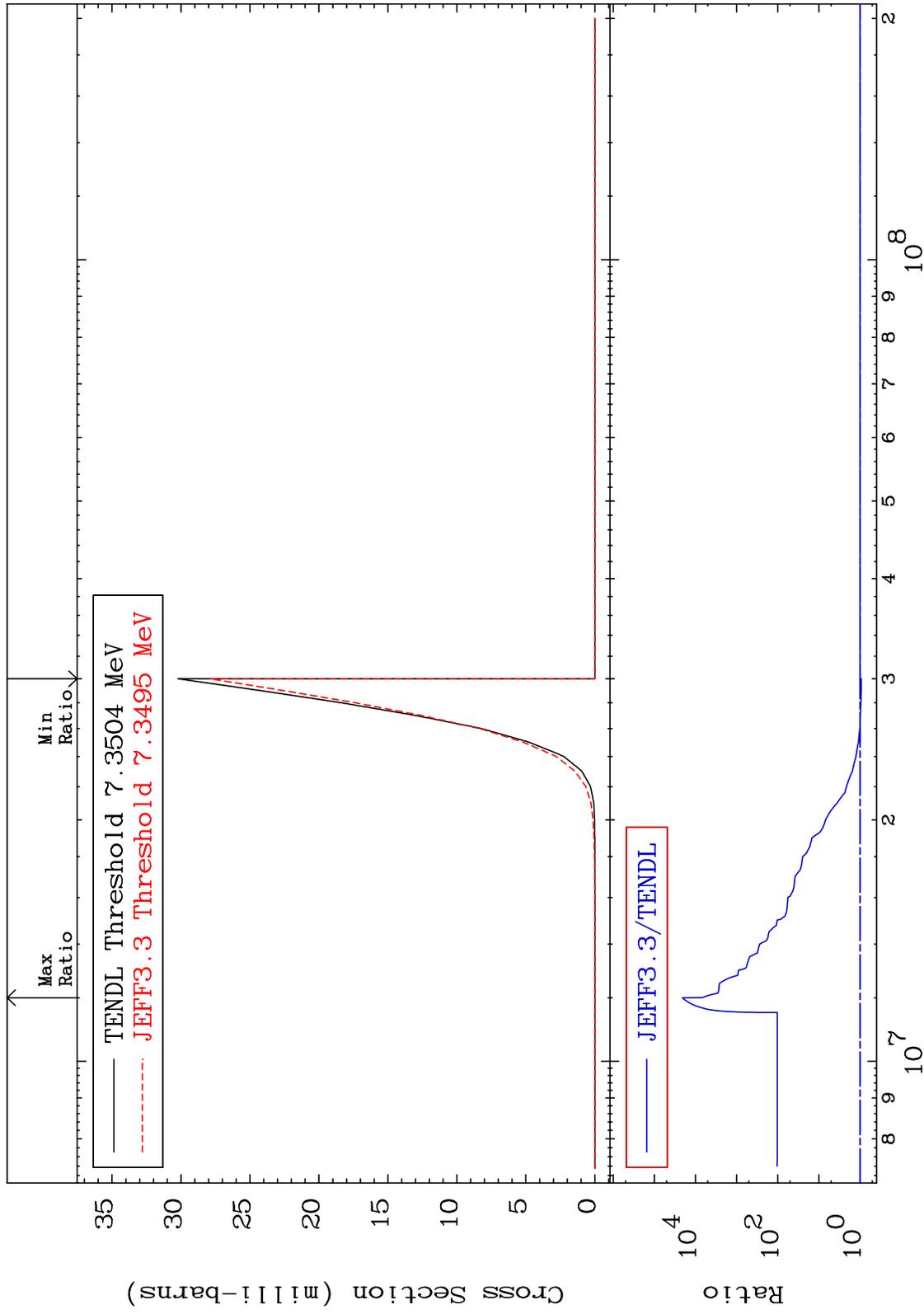
MAT 6231

(n,2n) α

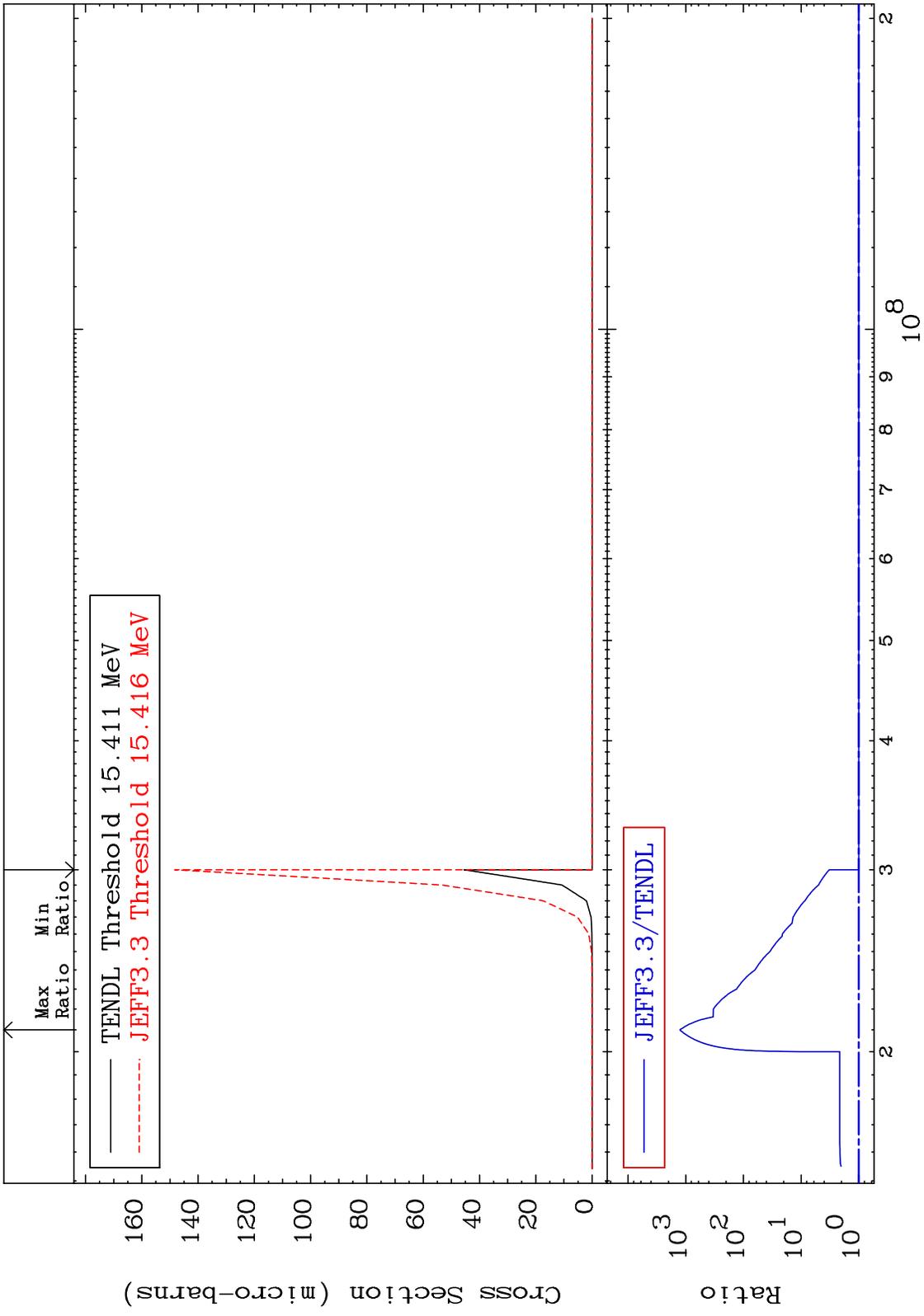
62-Sm-146

-7.644 To 9999. %

Cross Section



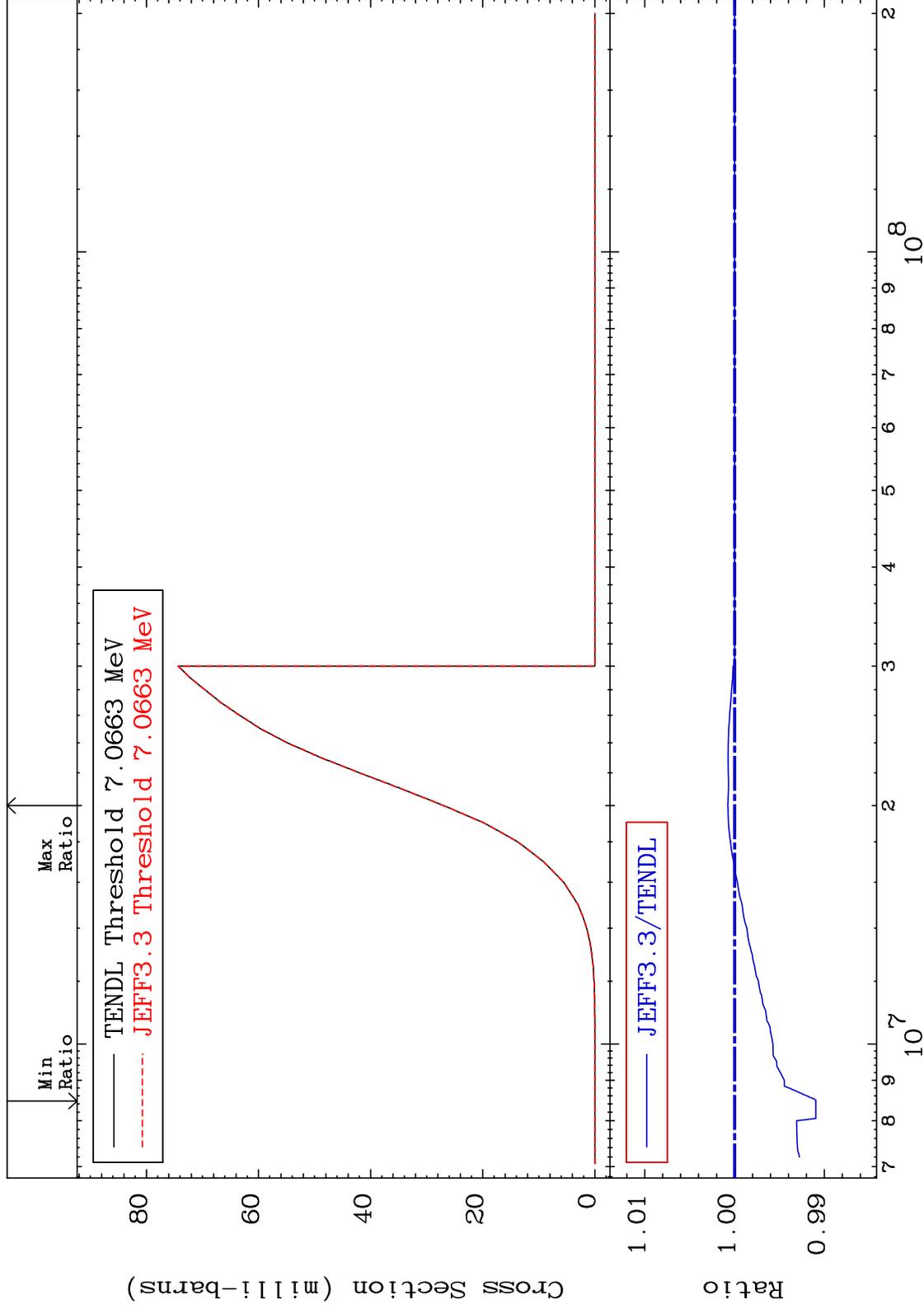
MAT 6231 $(n, 3n) \alpha$ 62-Sm-146
 Cross Section 0.000 To 9999. %



MAT 6231

(n, n') p
Cross Section

62-Sm-146
-0.905 To 0.074 %

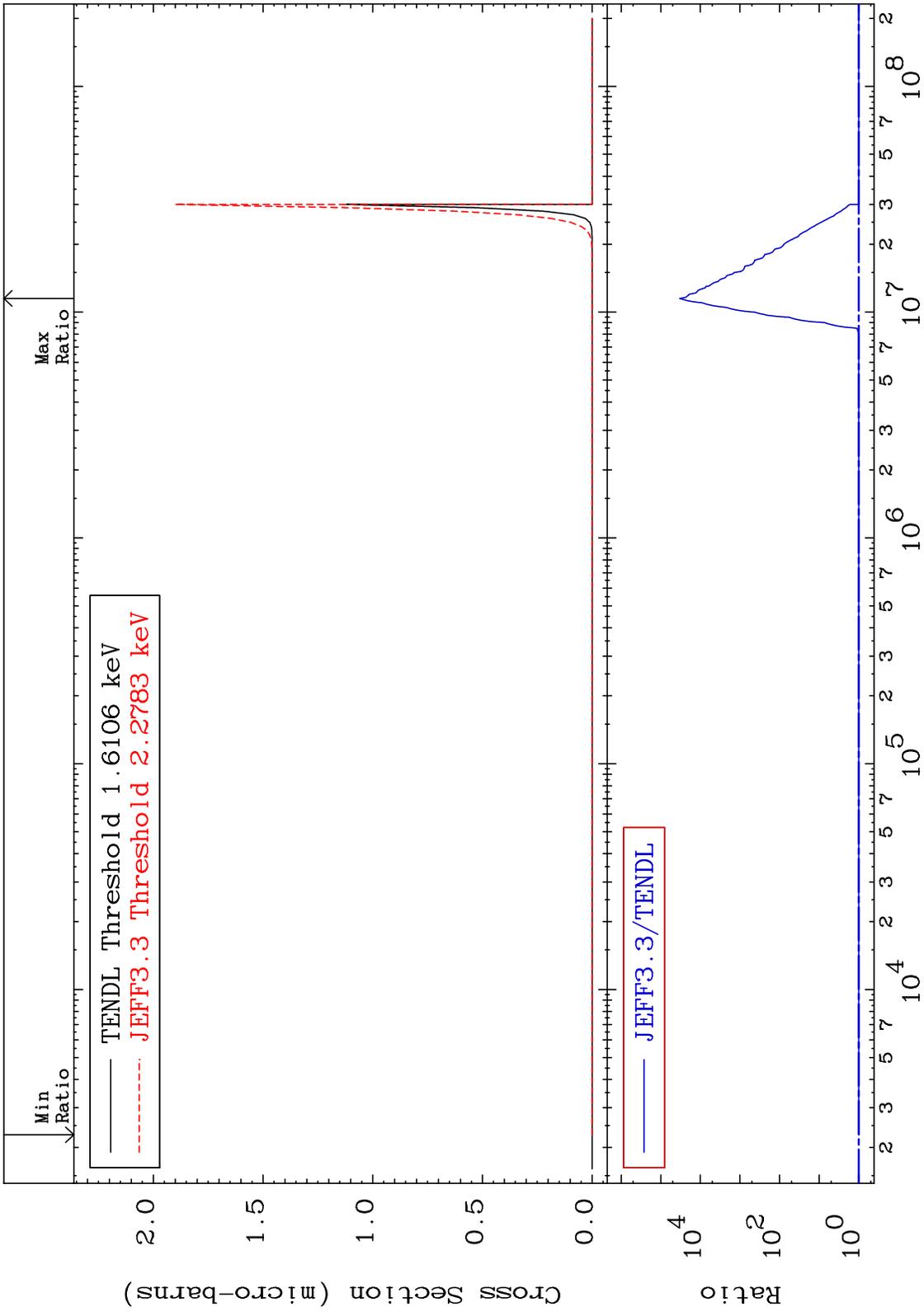


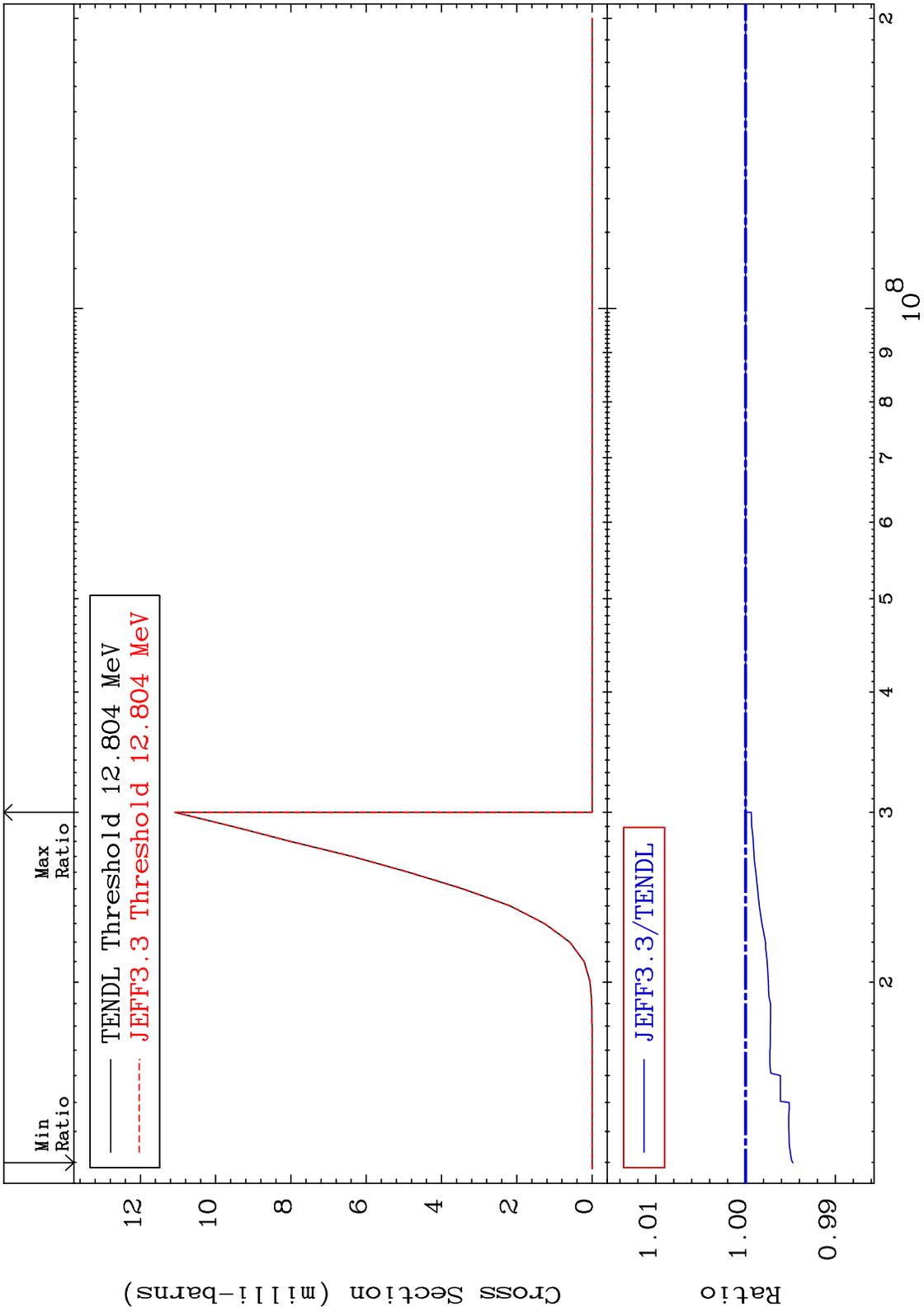
10

Incident Energy (eV)

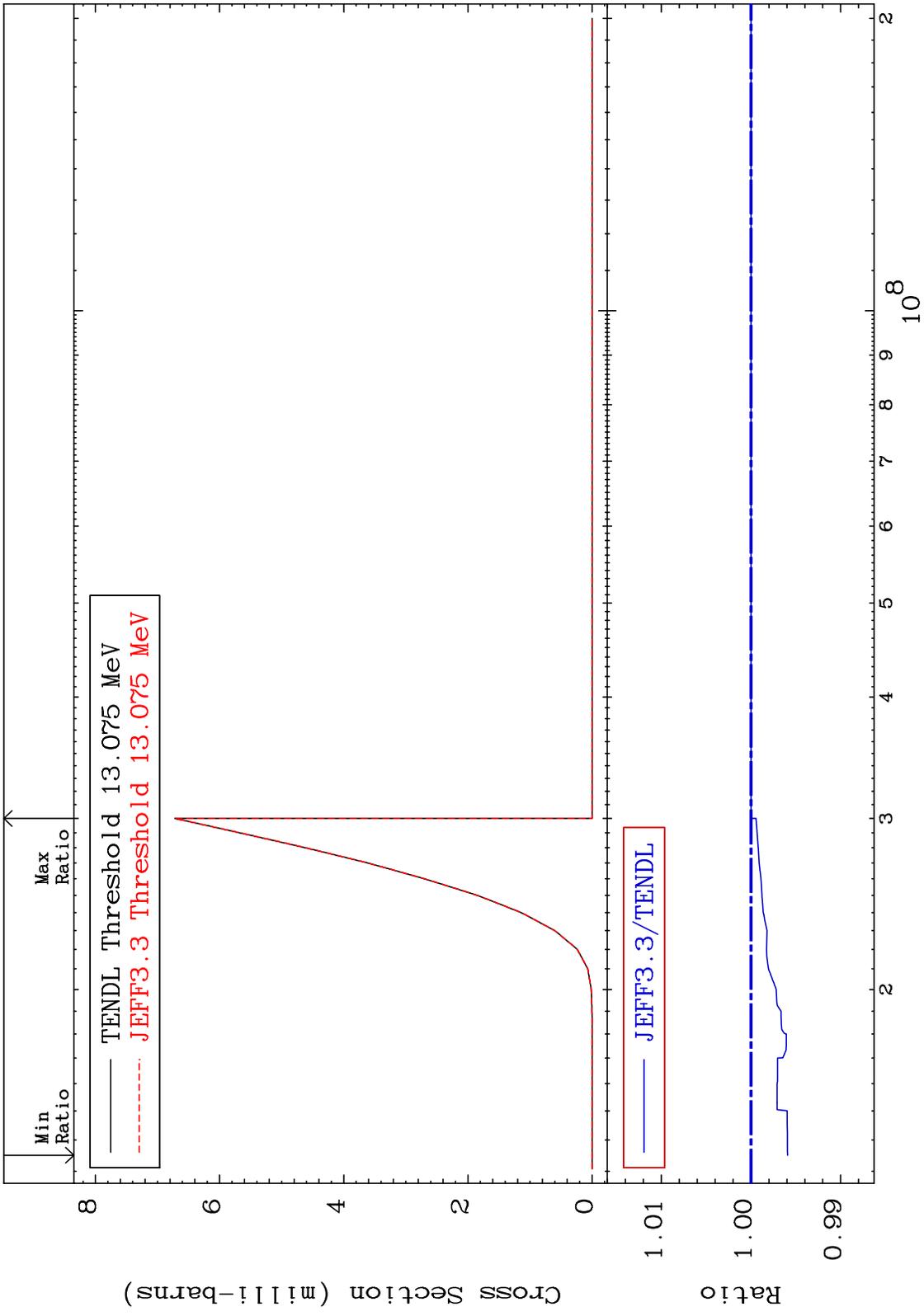
62-Sm-146

MAT 6231 (n,n') 2α Cross Section 62-Sm-146 To 9999. %

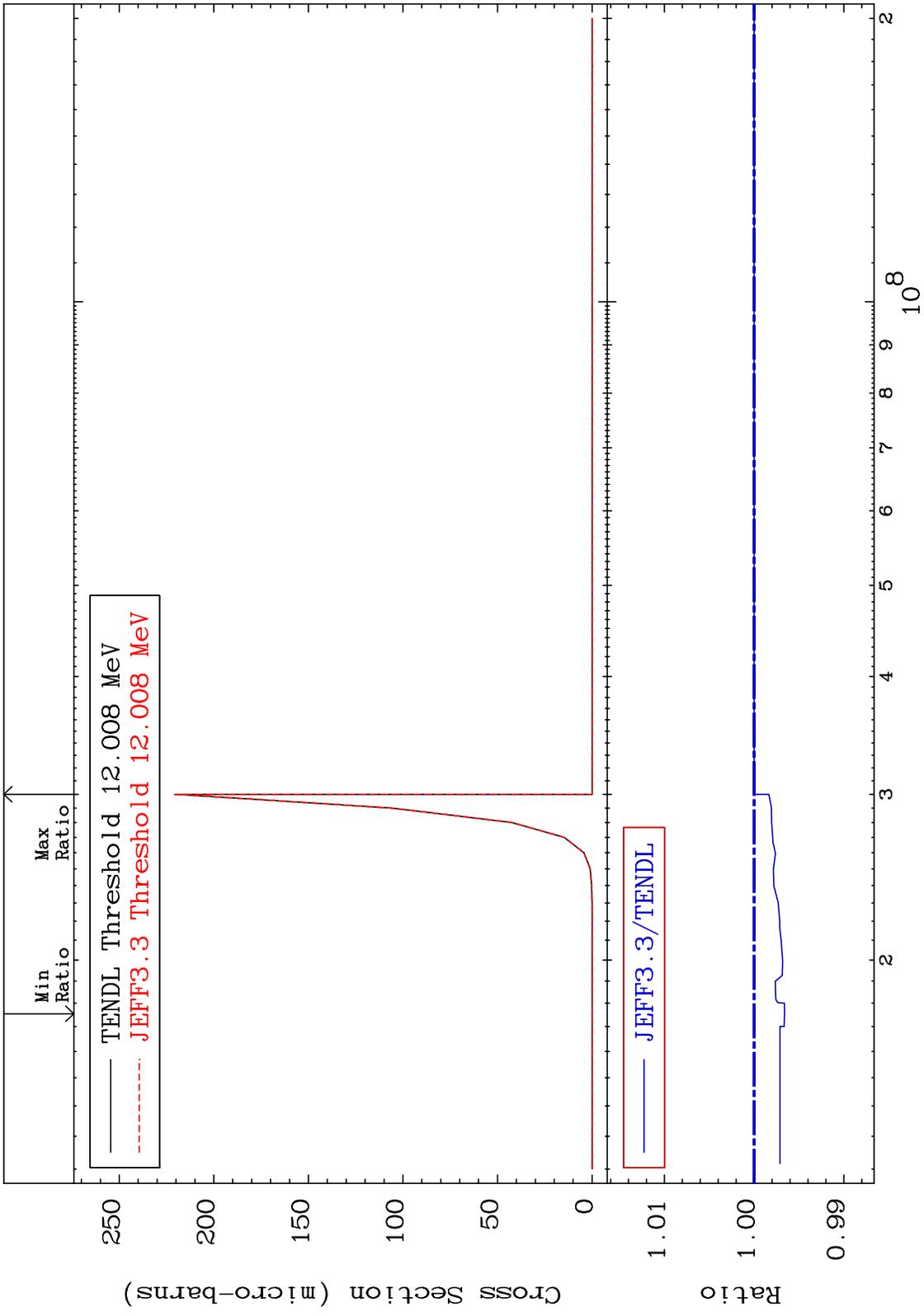




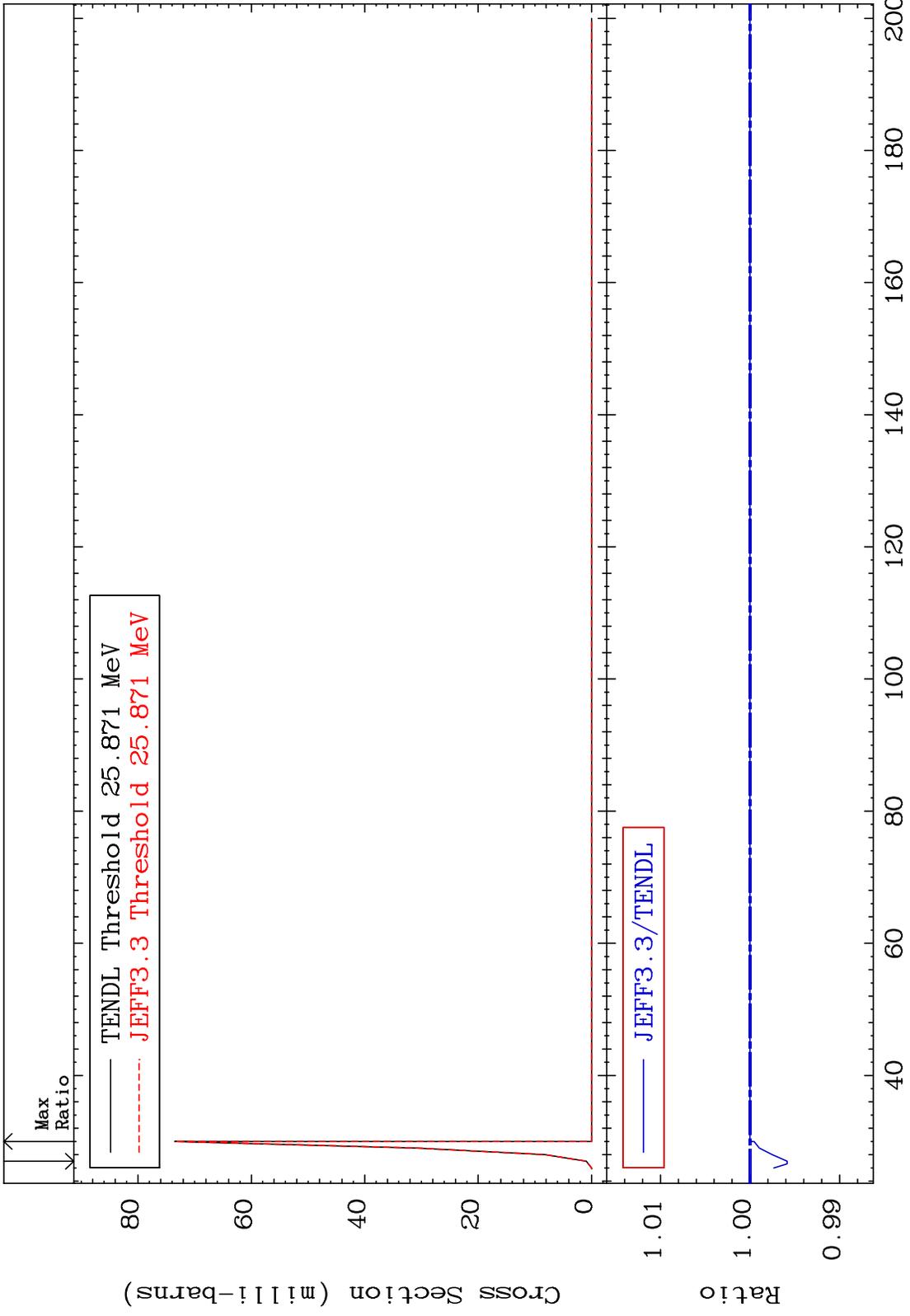
MAT 6231 (n, n') t 62-Sm-146
 Cross Section -0.408 To 0.000 %



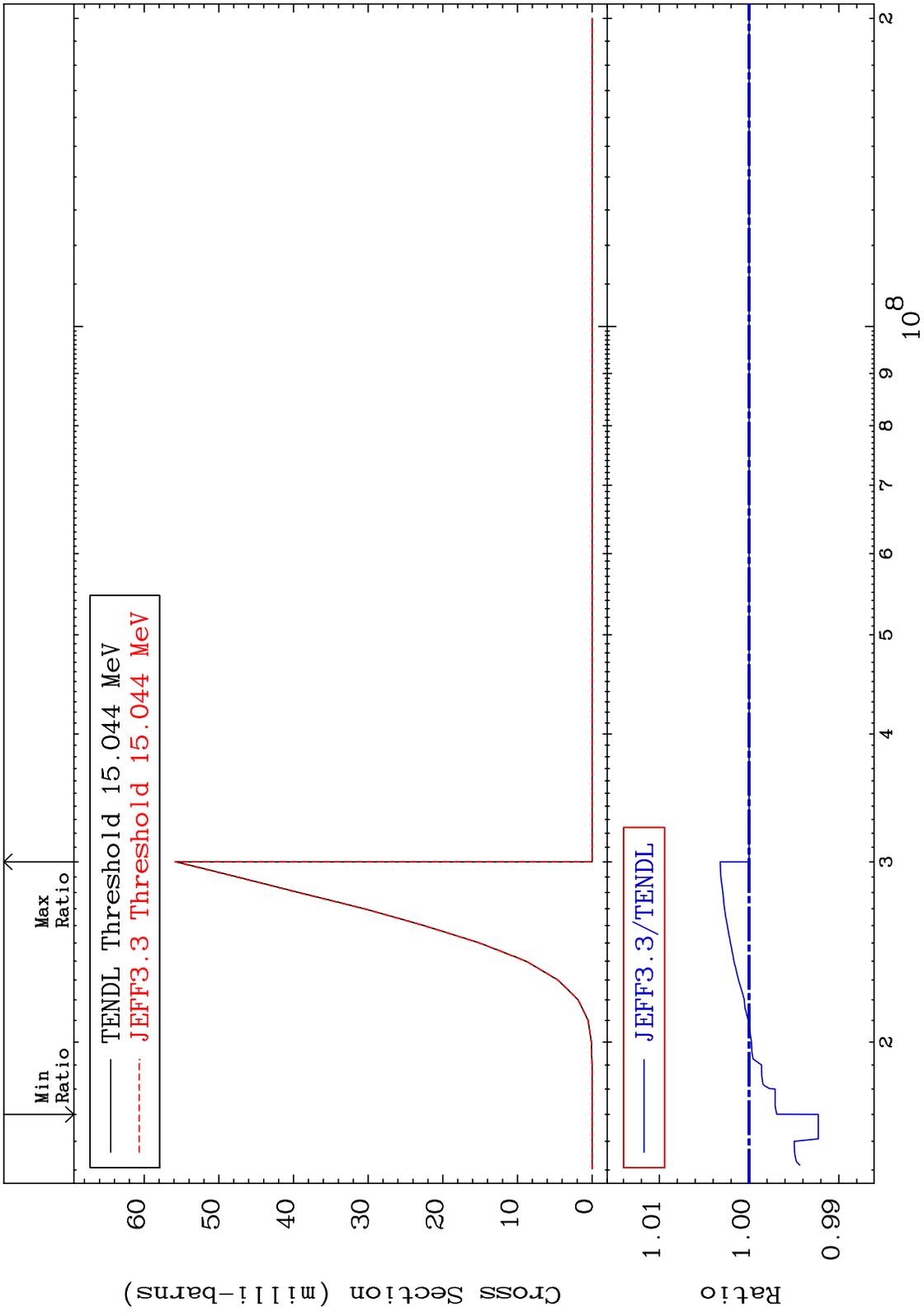
MAT 6231 (n, n') He-3 Cross Section 62-Sm-146 -0.338 To 0.000 %



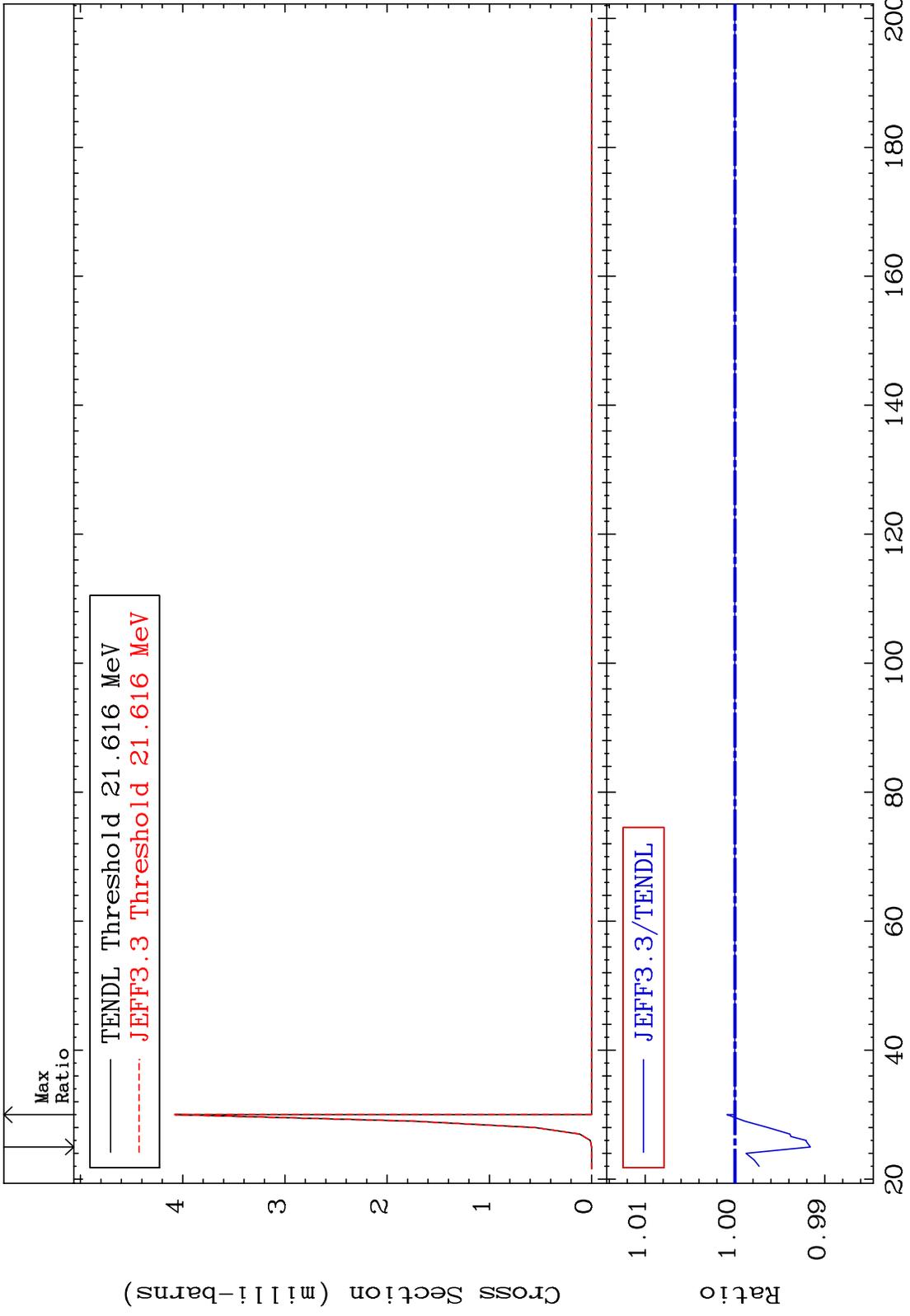
MAT 6231 (n,4n) Cross Section 62-Sm-146 -0.414 To 0.000 %



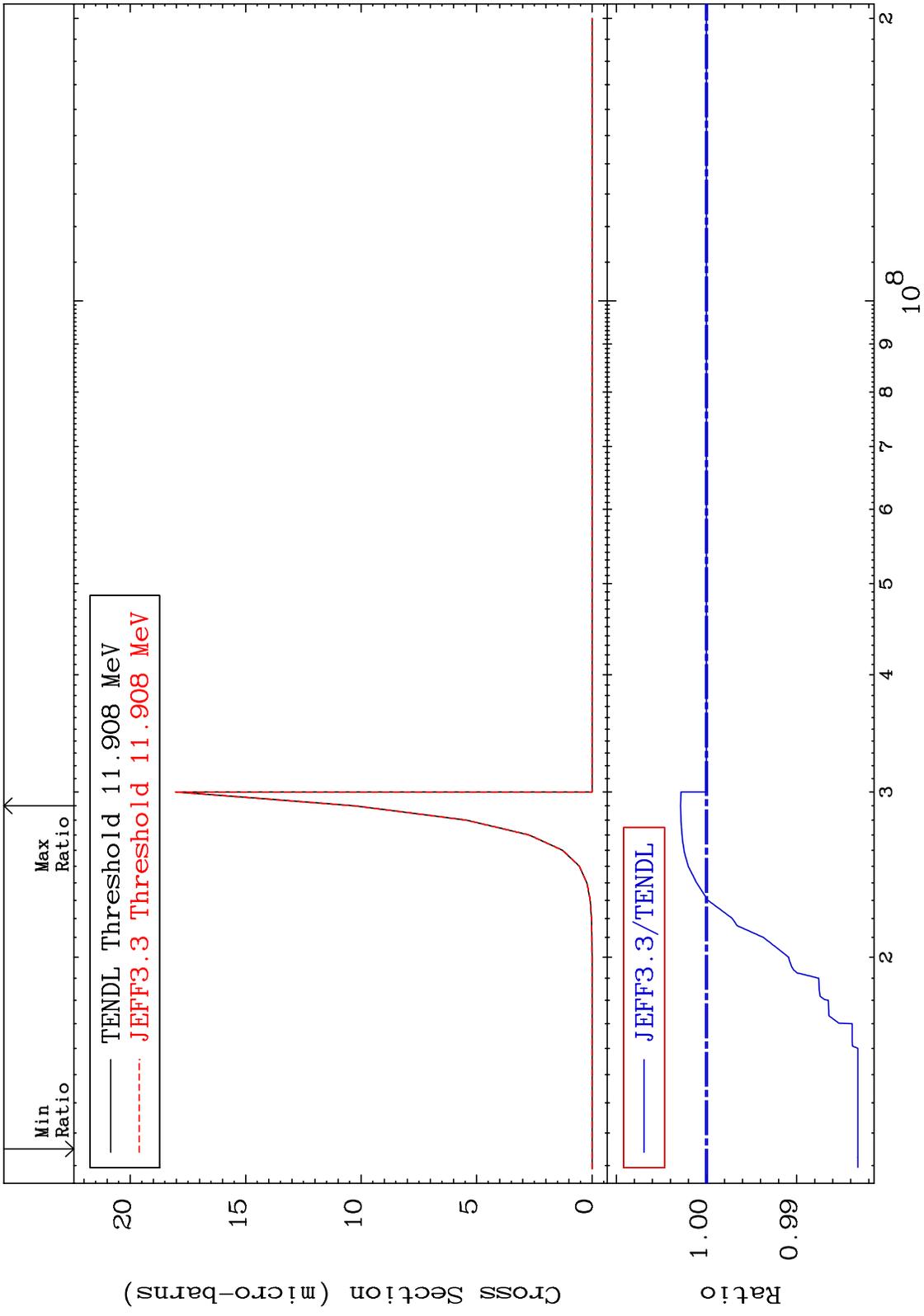
MAT 6231 (n,2n) p 62-Sm-146
 Cross Section -0.772 To 0.321 %



MAT 6231 (n,3n) p 62-Sm-146
Cross Section -0.839 To 0.089 %



MAT 6231 62-Sm-146
 (n,2n) p -1.680 To 0.287 %
 Cross Section

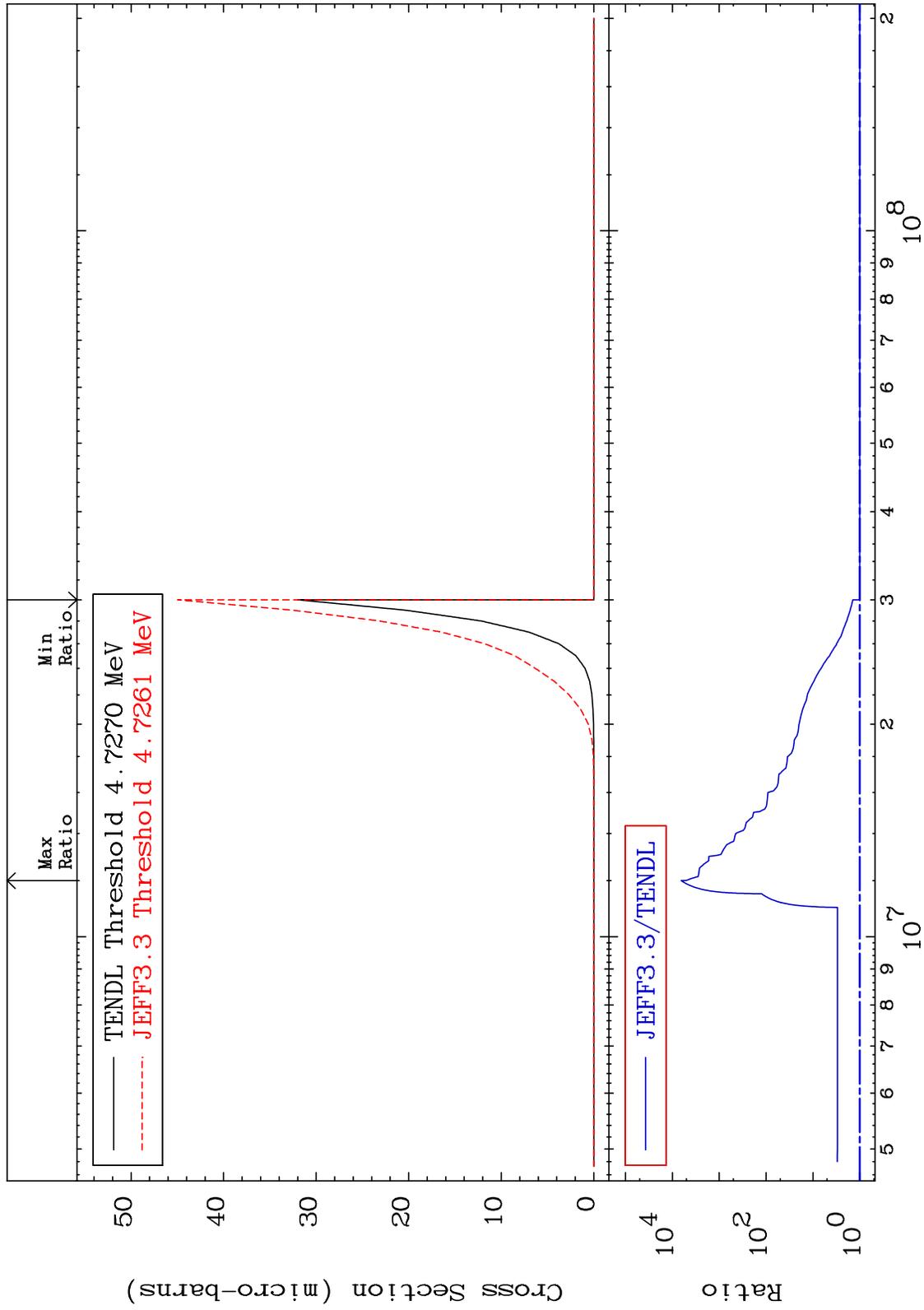


MAT 6231

(n,n') p α
Cross Section

62-Sm-146

0.000 To 9999. %

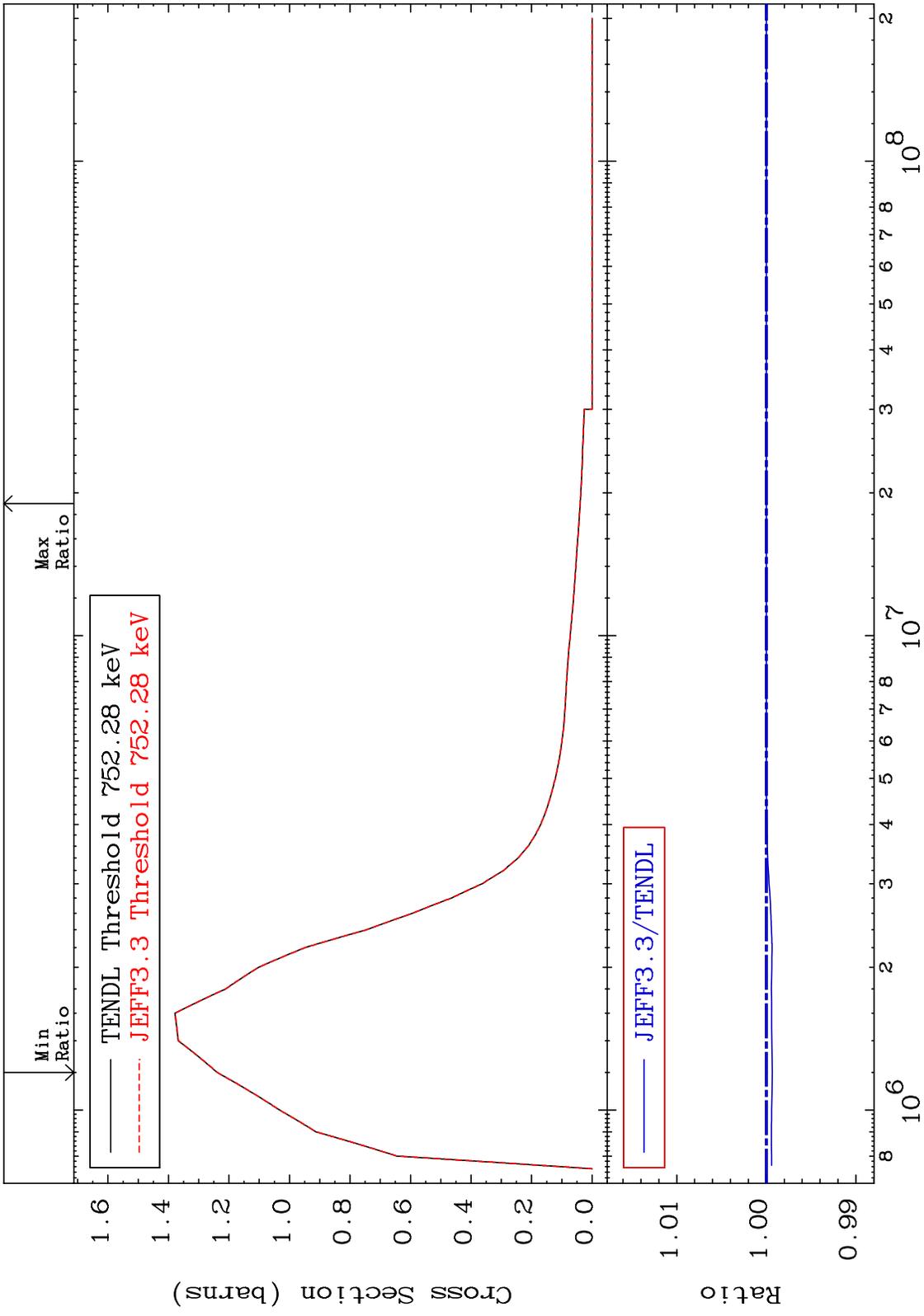


19

Incident Energy (eV)

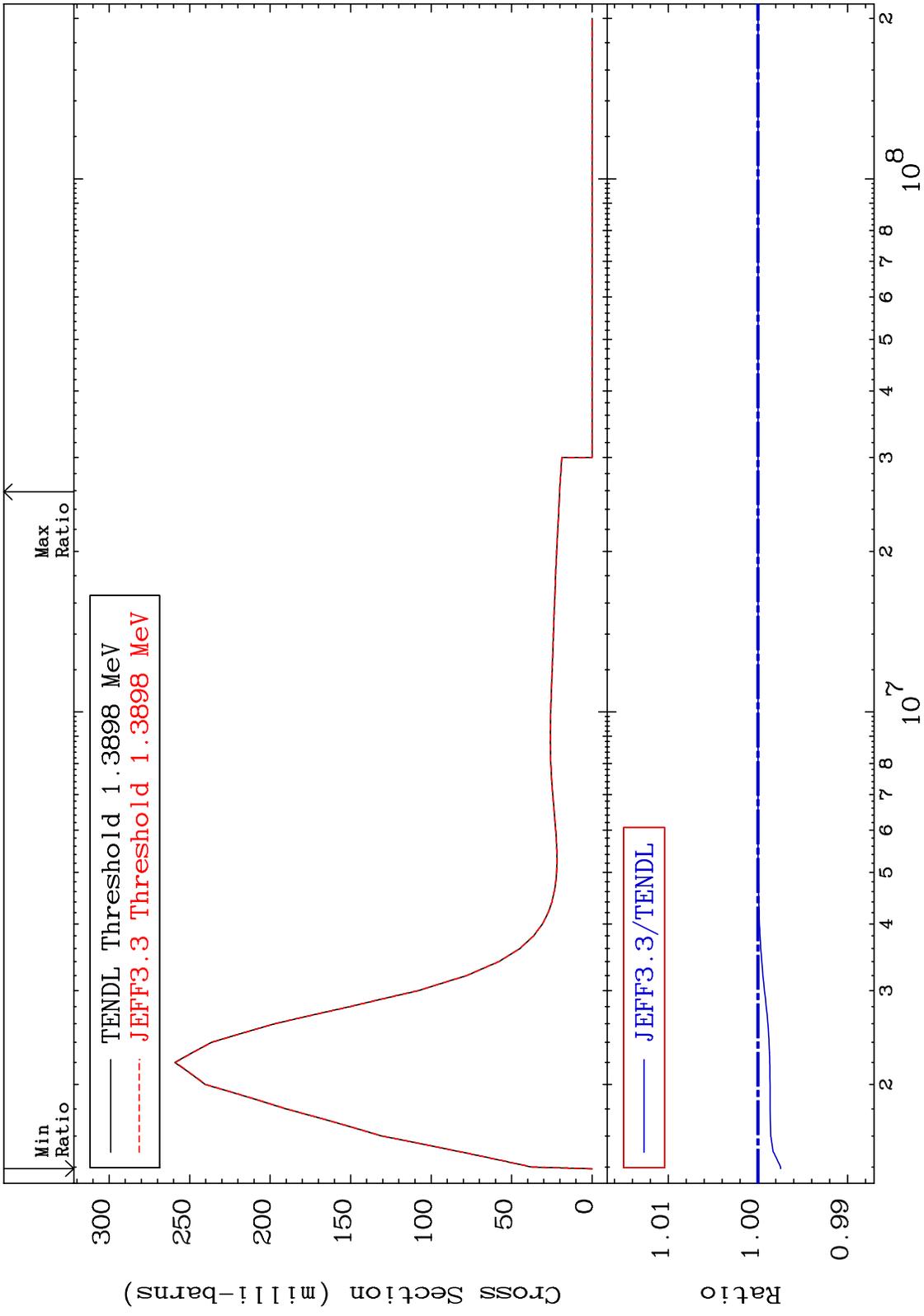
62-Sm-146

MAT 6231 MT= 51 (n,n') Level Cross Section 62-Sm-146 -0.066 To 0.000 %

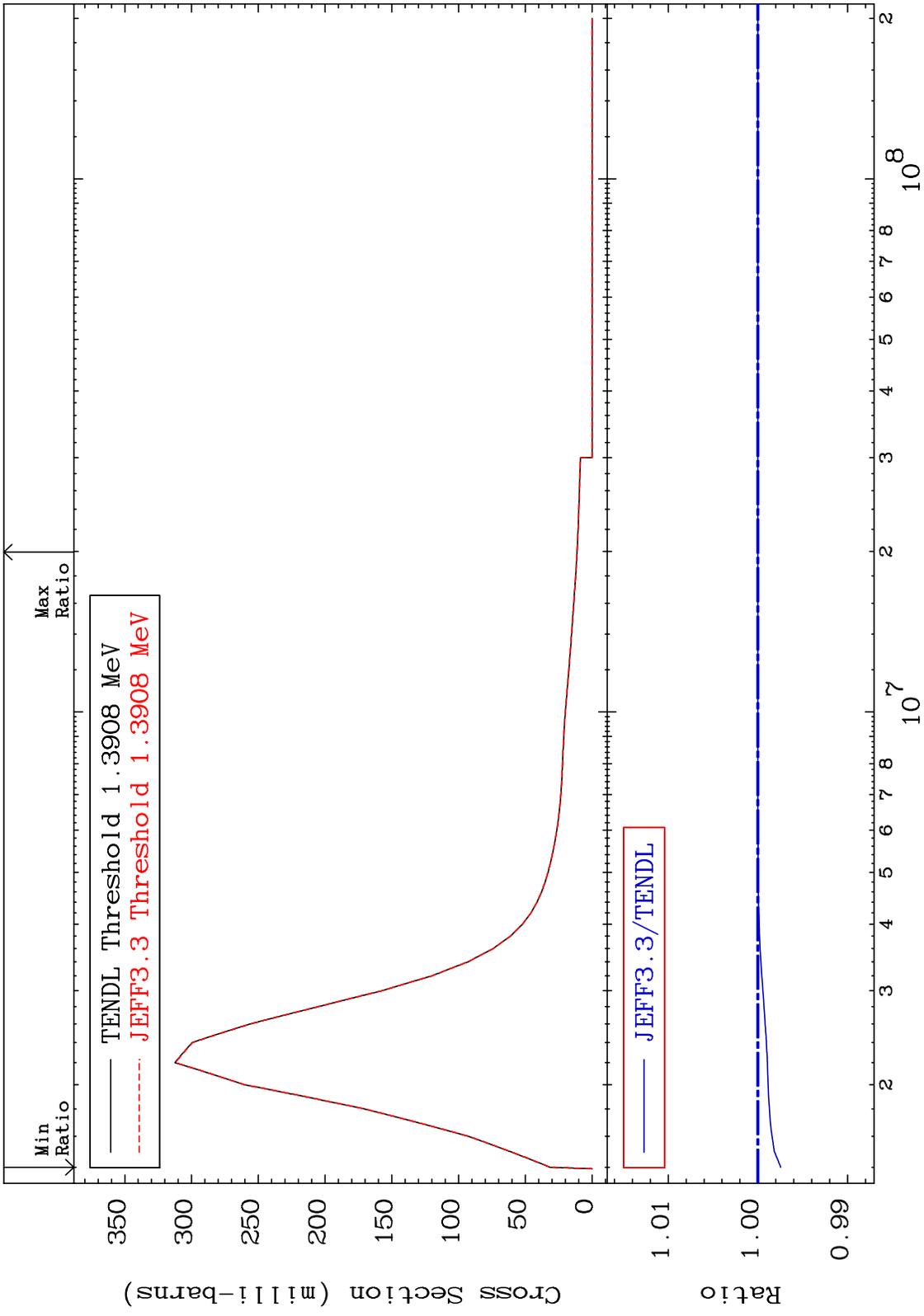


20 62-Sm-146

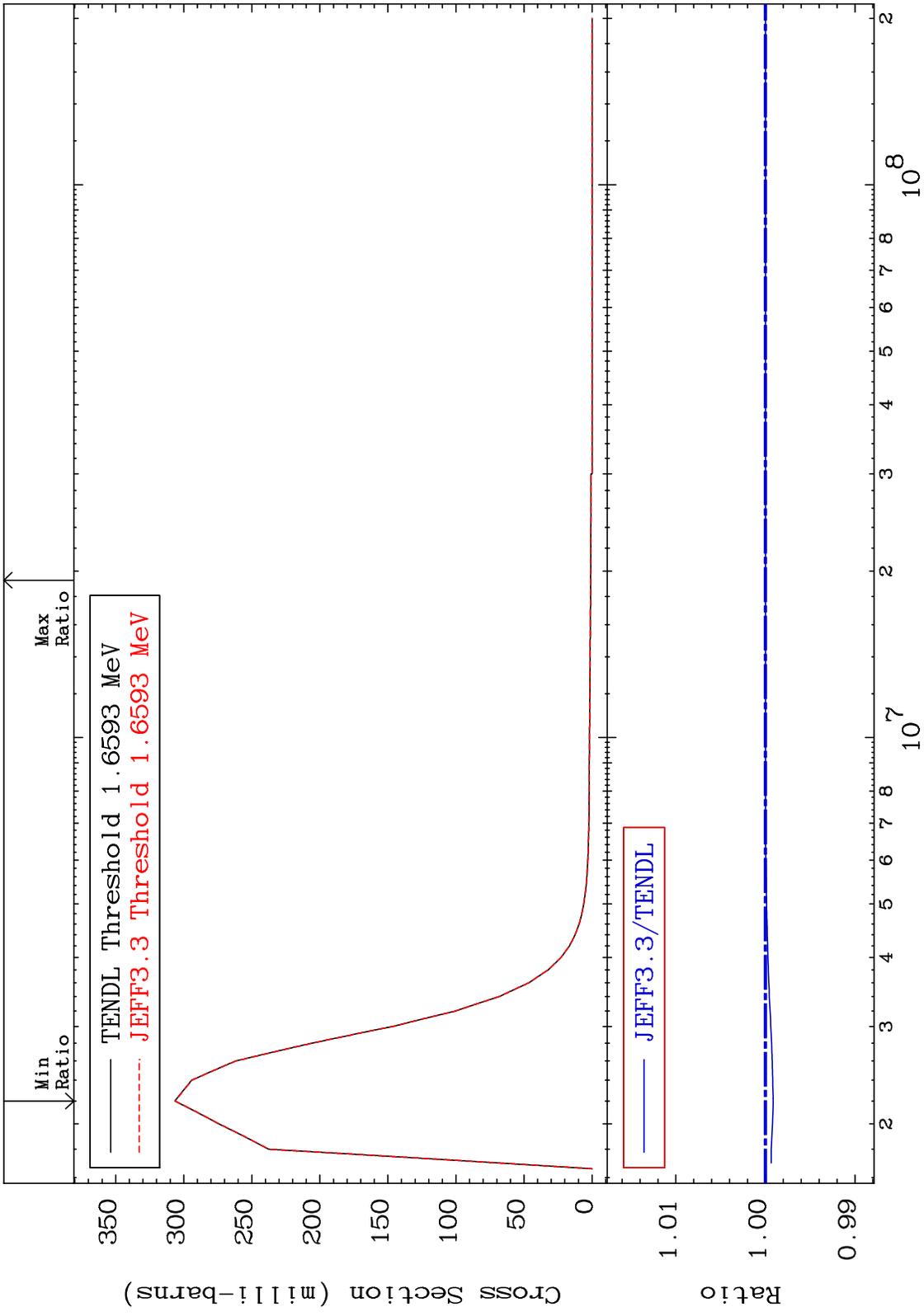
MAT 6231 MT= 52 (n,n') Level Cross Section 62-Sm-146 -0.253 To 0.000 %



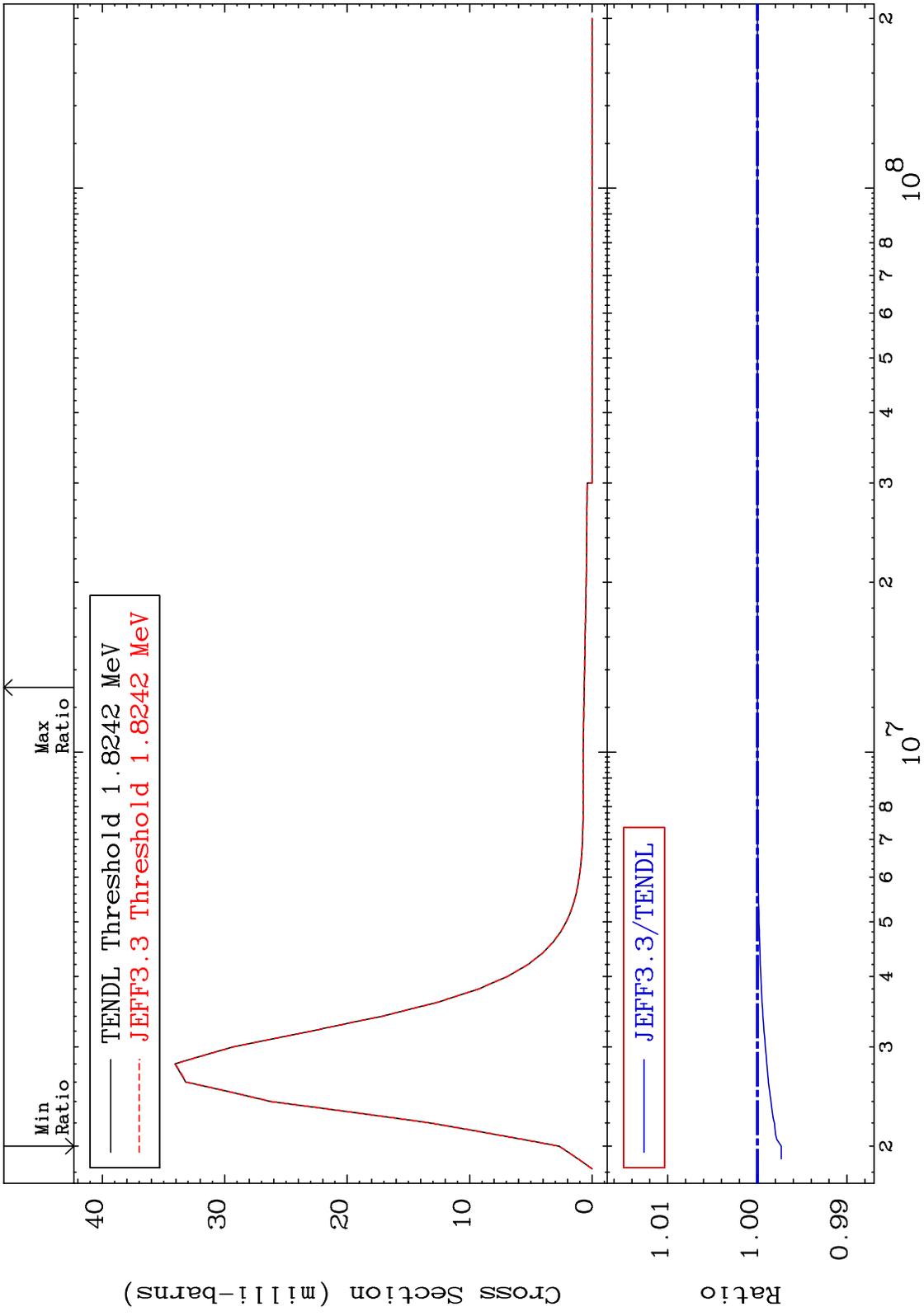
MAT 6231 MT= 53 (n, n') Level Cross Section 62-Sm-146 -0.254 To 0.000 %



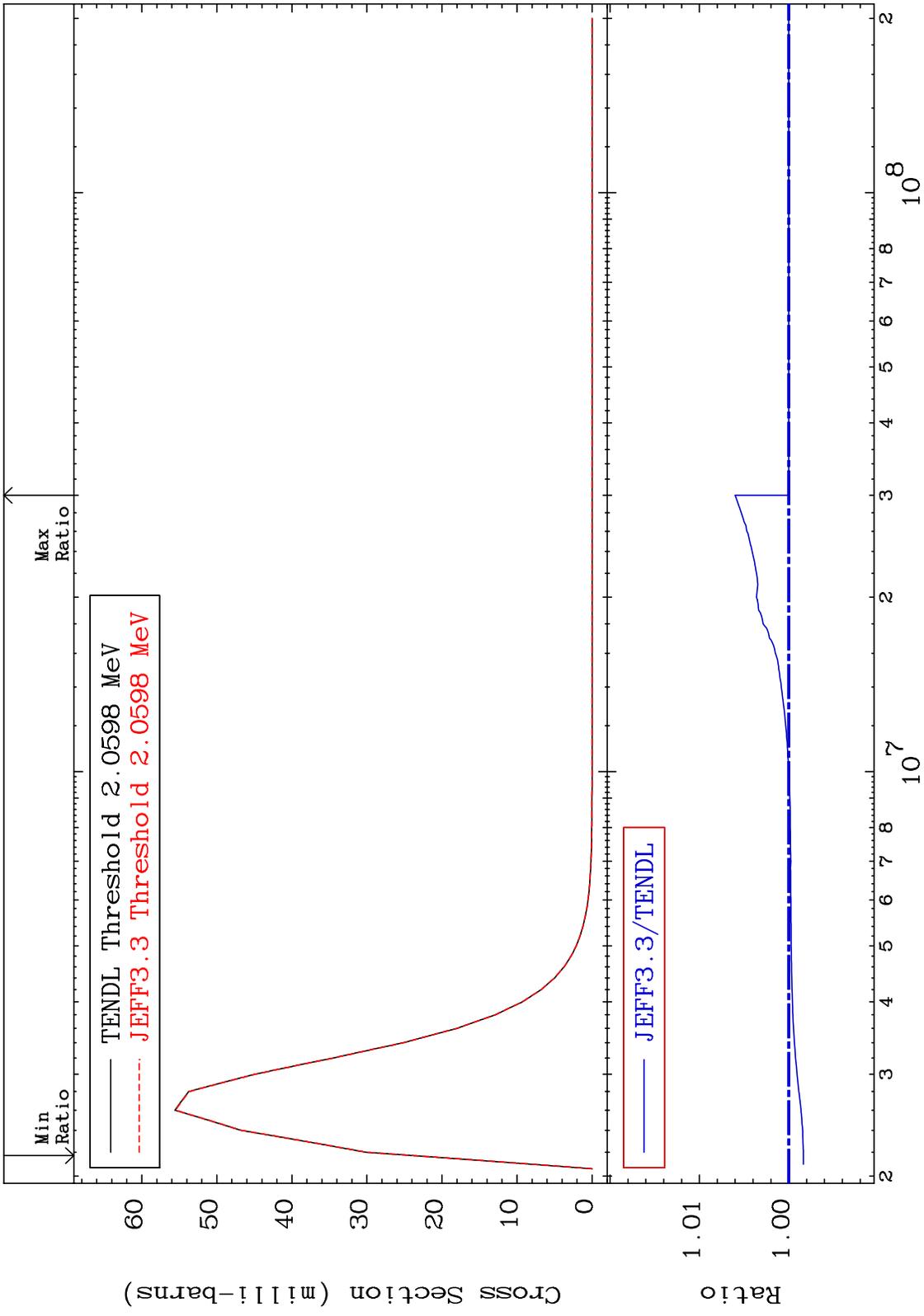
MAT 6231 MT= 54 (n,n') Level Cross Section 62-Sm-146 -0.087 To 0.000 %



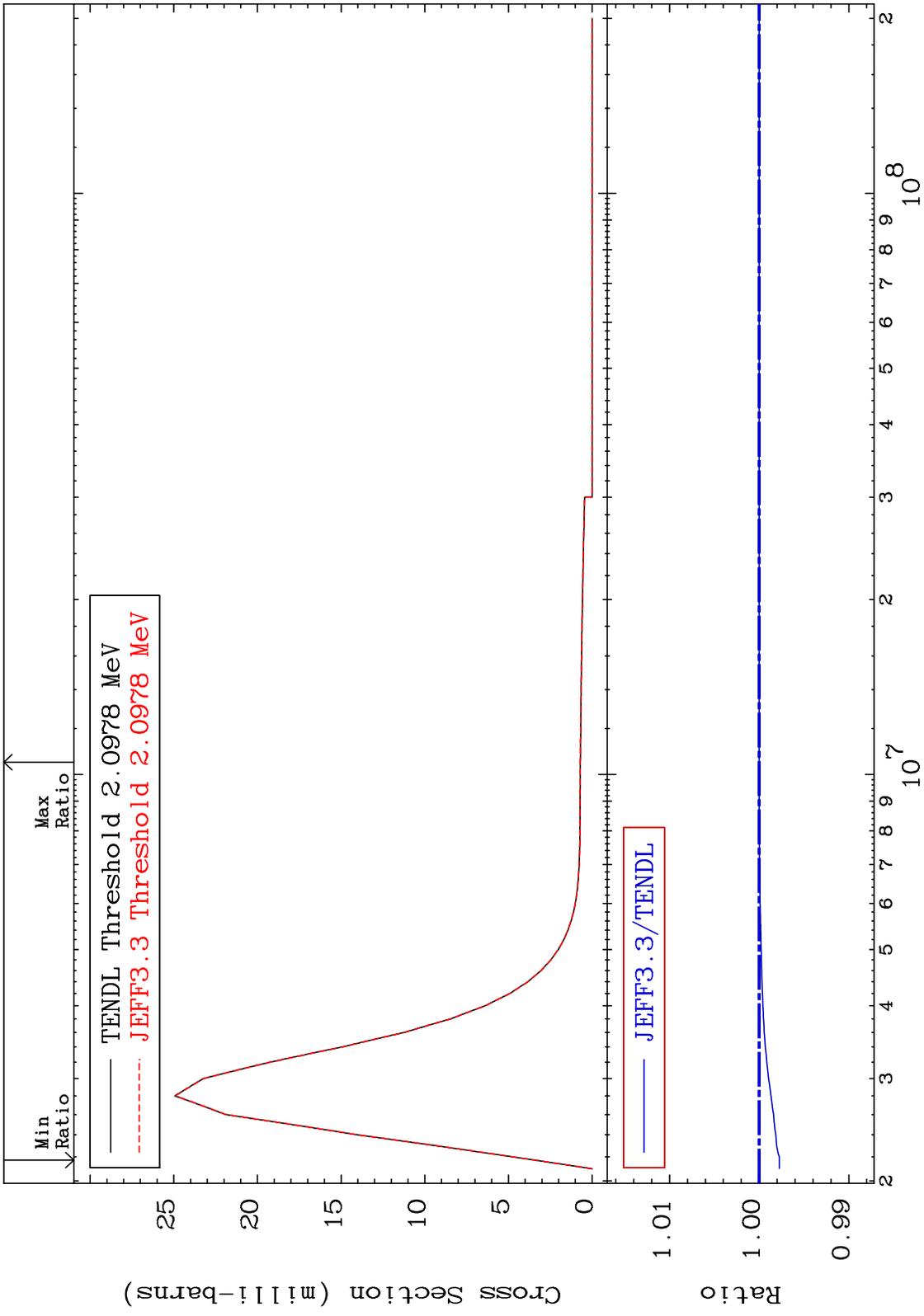
MAT 6231 MT= 55 (n,n') Level Cross Section 62-Sm-146 -0.266 To 0.000 %



MAT 6231 MT= 56 (n,n') Level Cross Section 62-Sm-146 -0.164 To 0.600 %



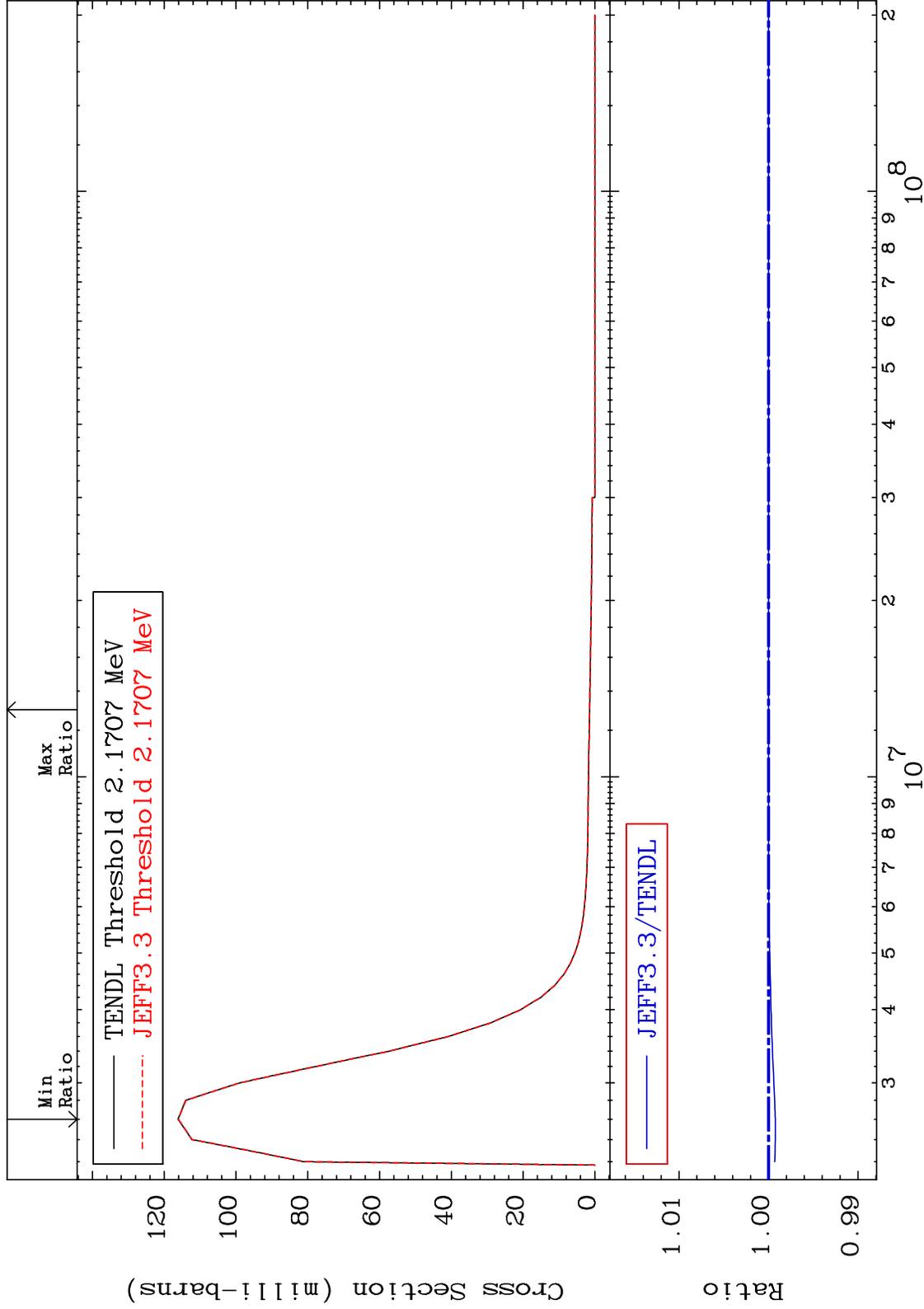
MAT 6231 MT= 57 (n,n') Level Cross Section 62-Sm-146
 -0.225 To 0.000 %



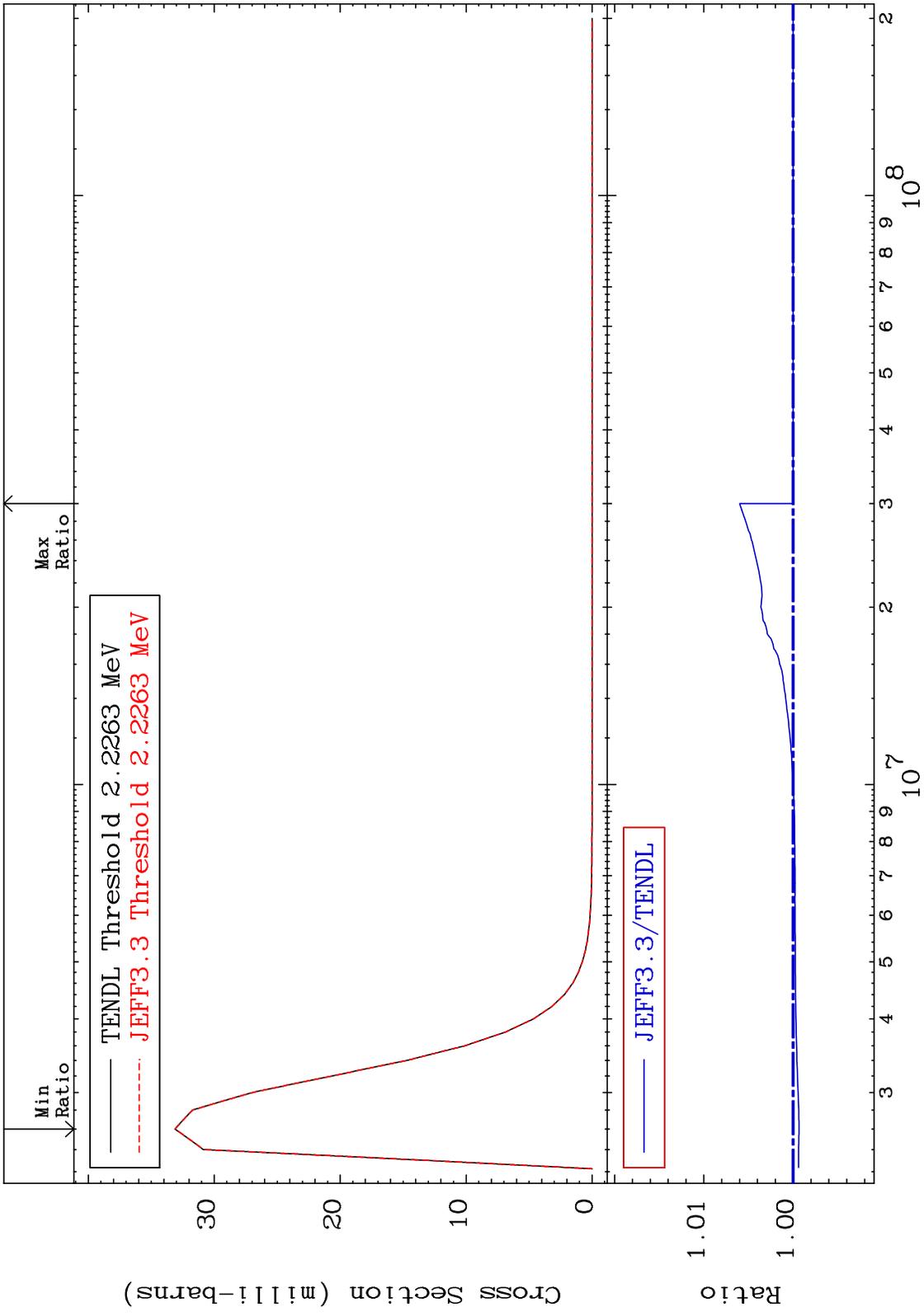
MAT 6231

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

62-Sm-146
-0.076 To 0.000 %



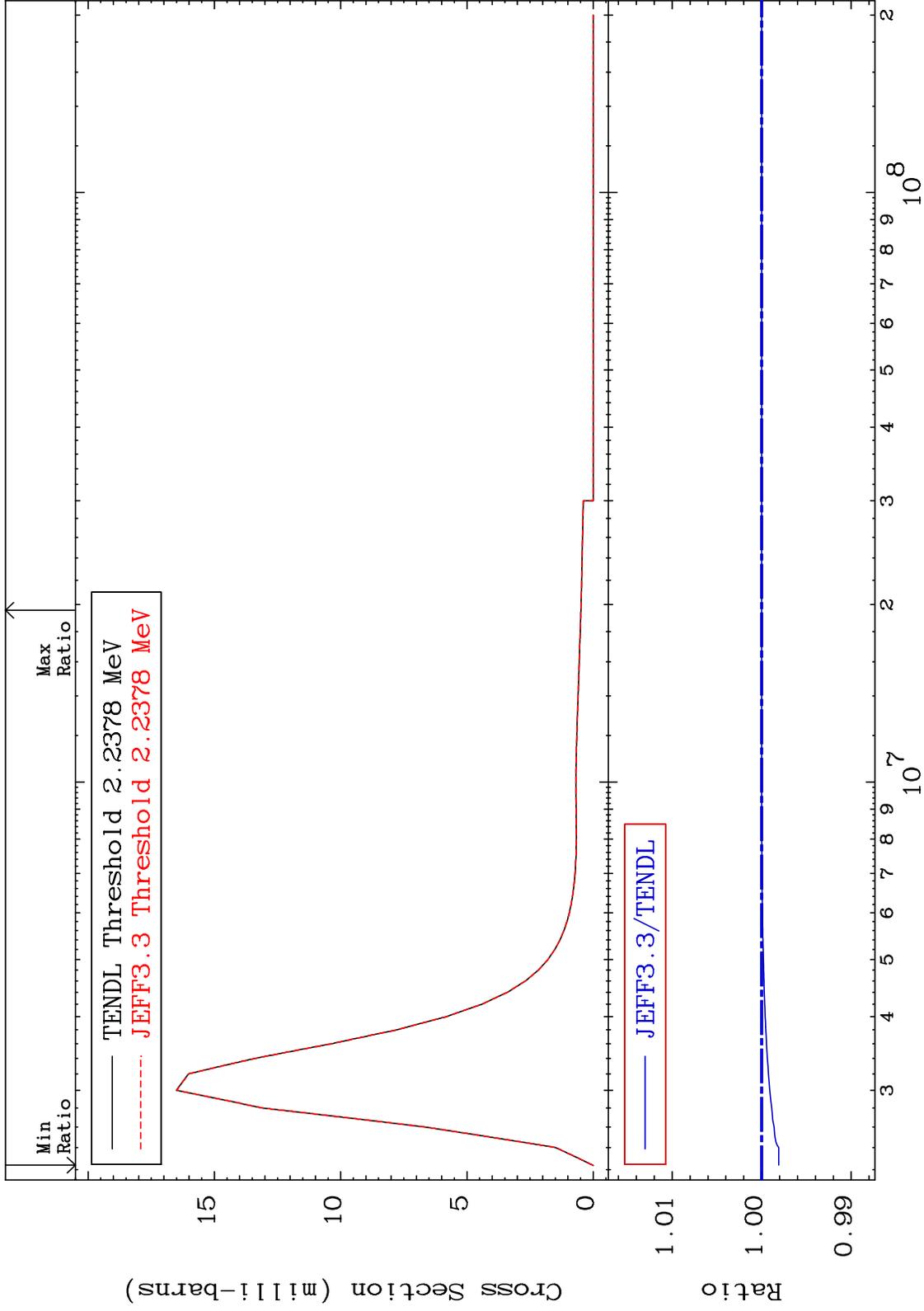
MAT 6231 MT= 59 (n,n') Level Cross Section 62-Sm-146
 -0.066 To 0.600 %



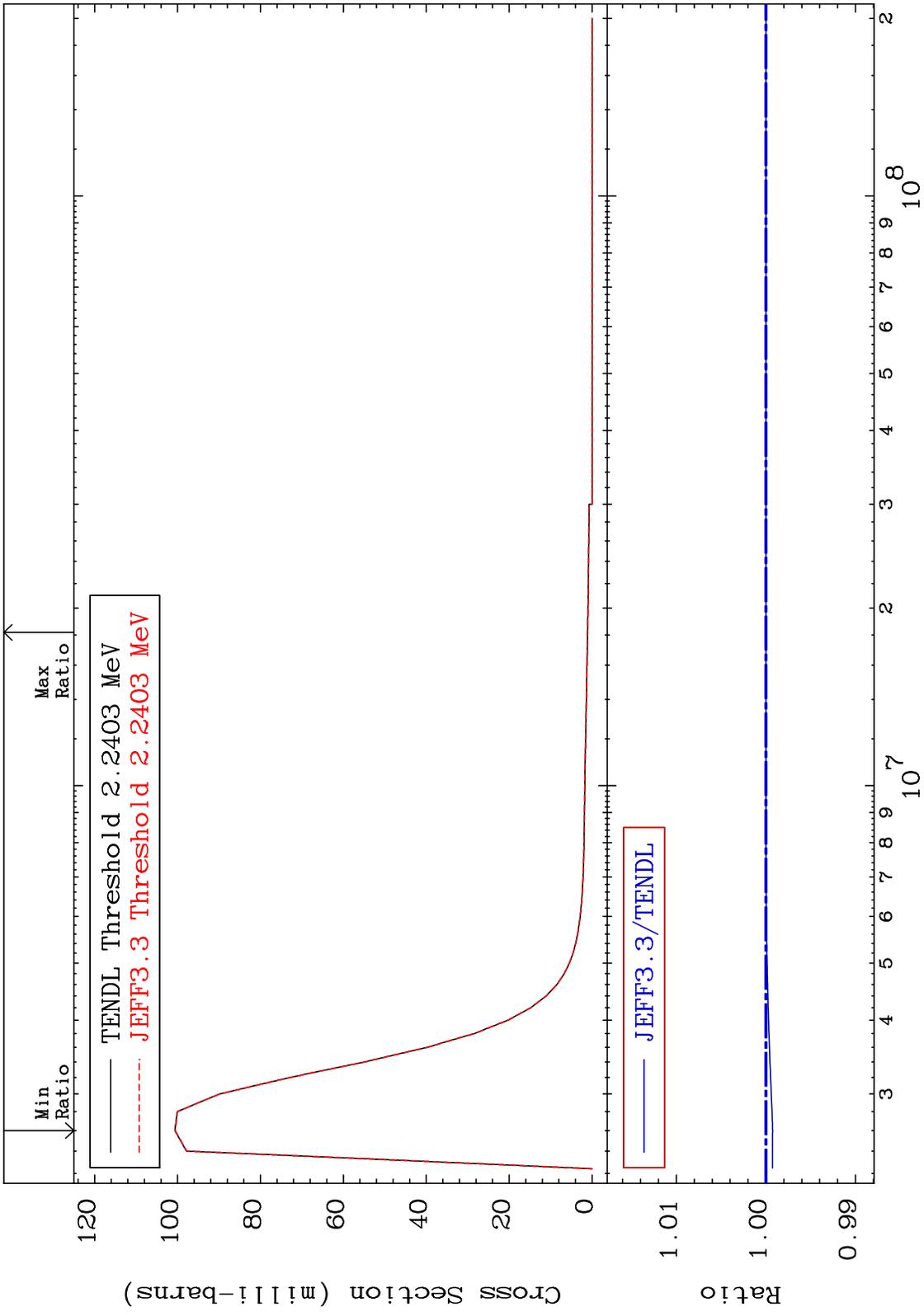
MAT 6231

MT= 60 (n,n') Level
Cross Section

62-Sm-146
-0.191 To 0.000 %



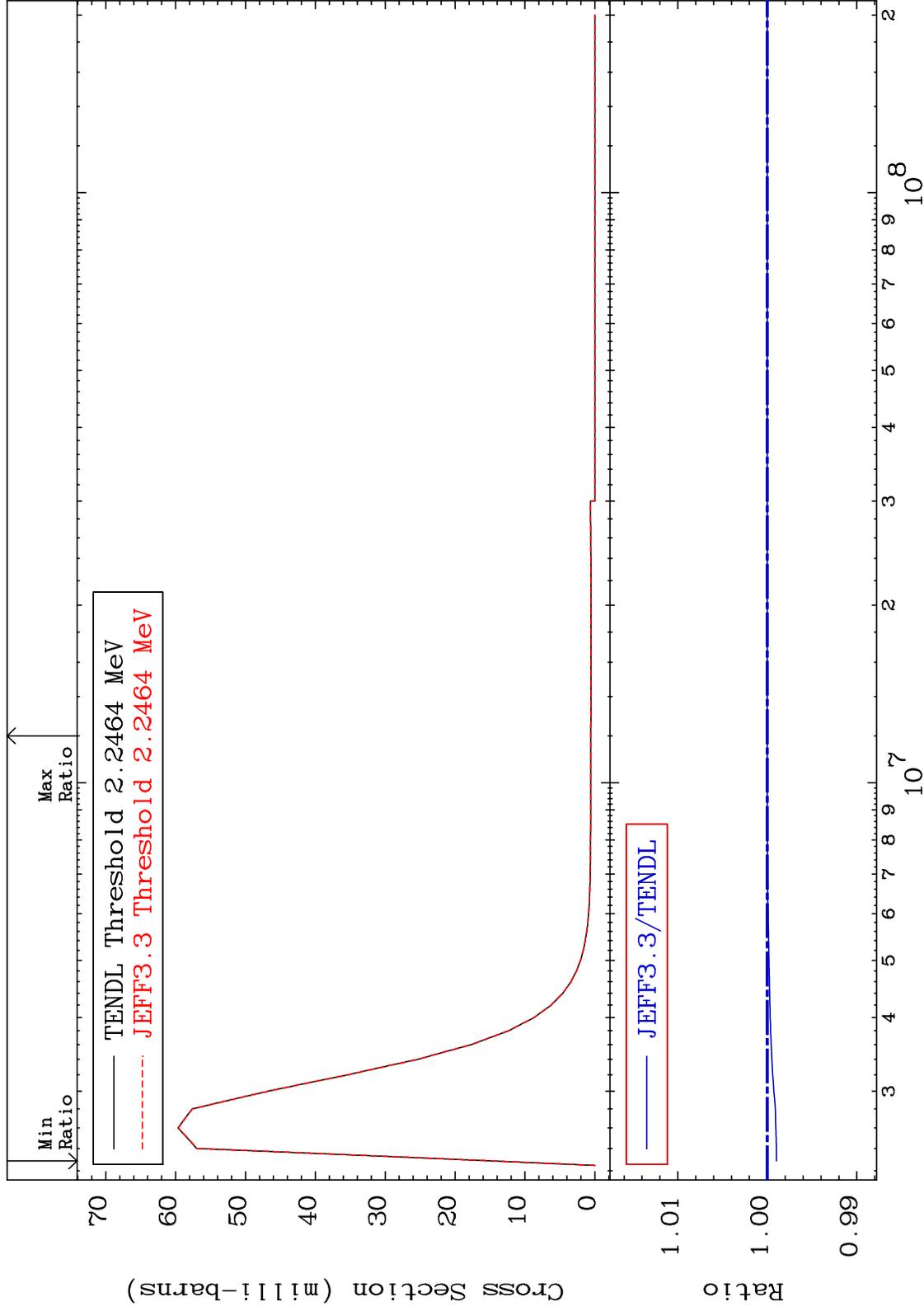
MAT 6231 MT= 61 (n,n') Level Cross Section 62-Sm-146 -0.075 To 0.000 %



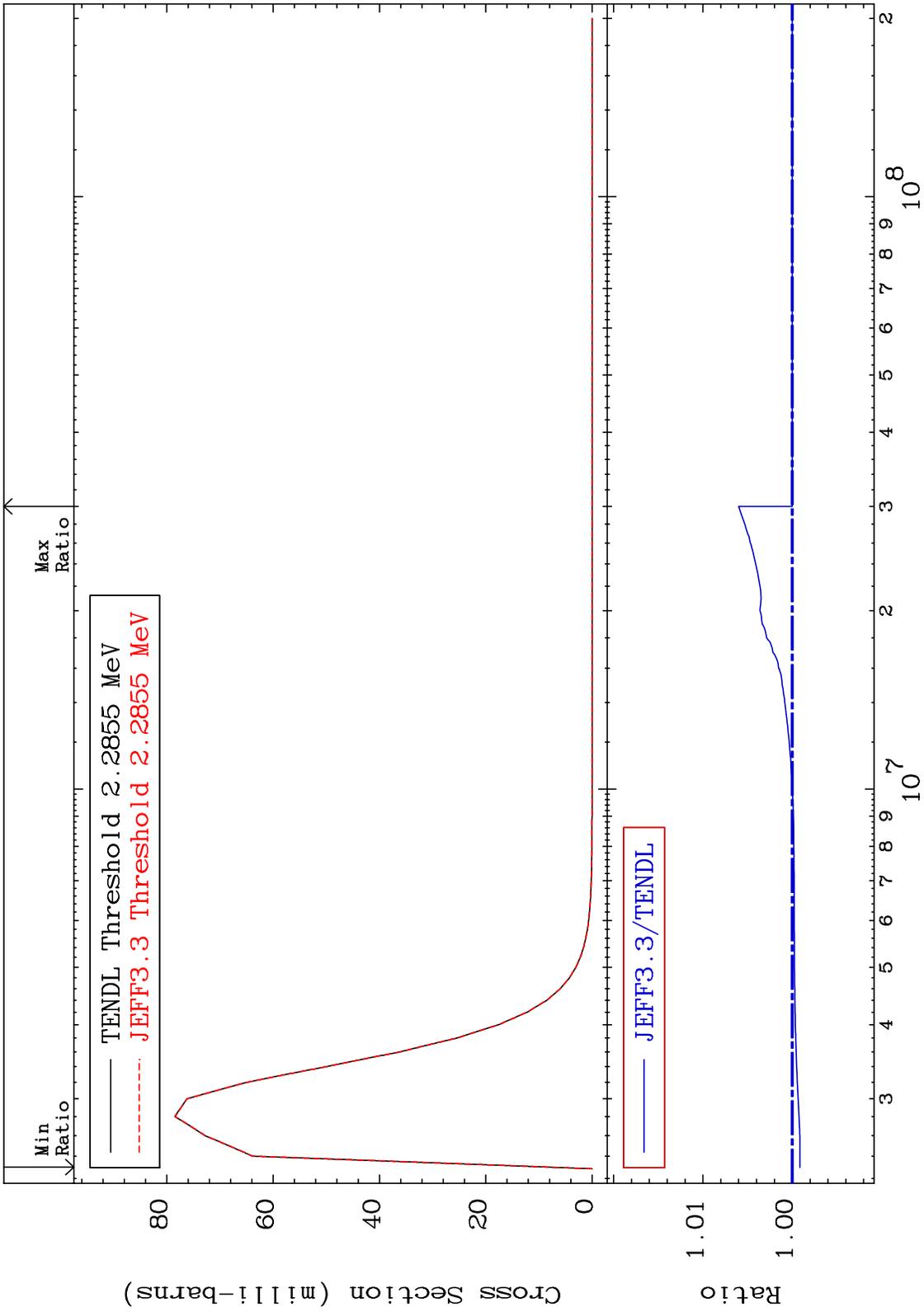
MAT 6231

MT= 62 (n,n') Level
Cross Section

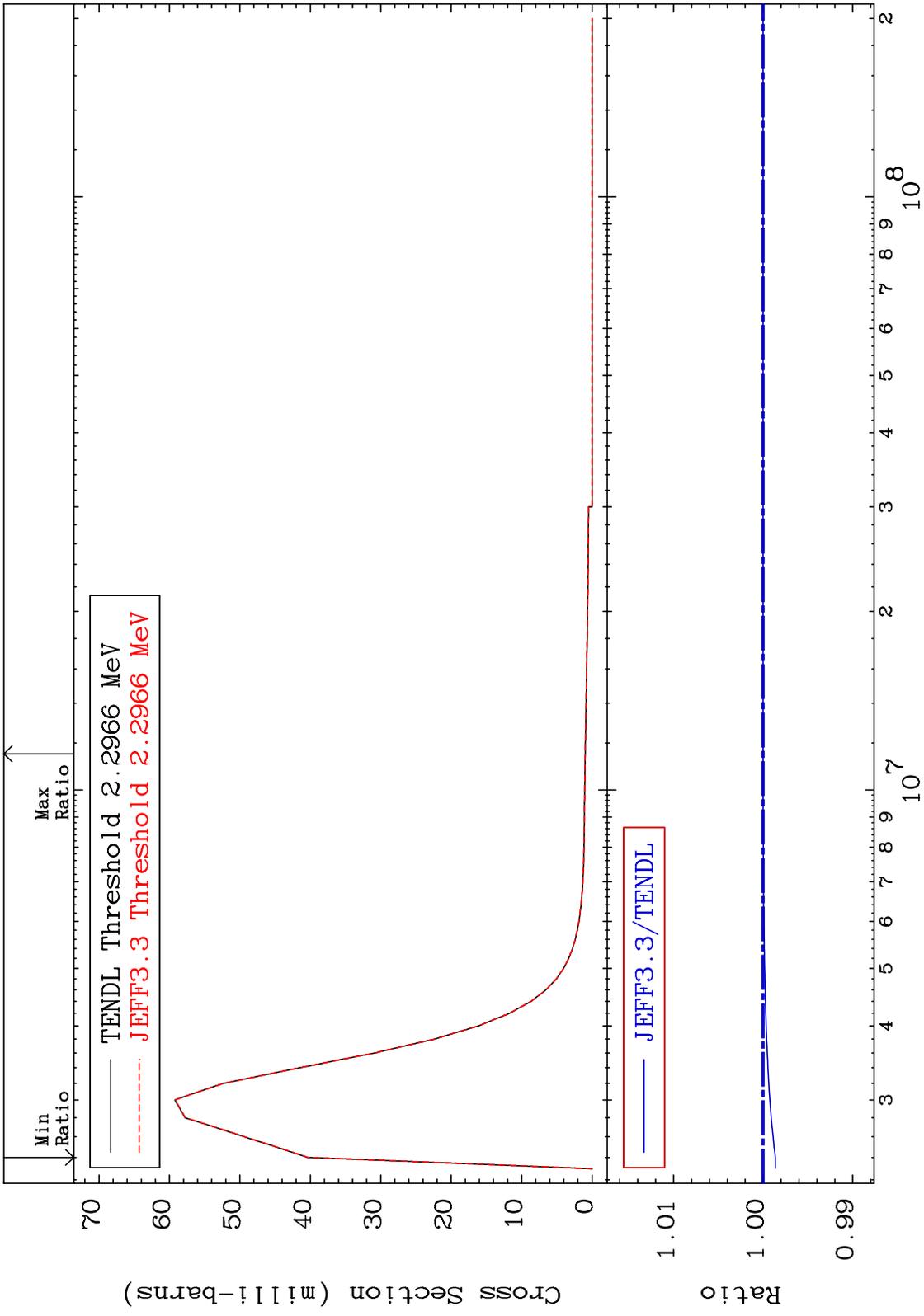
62-Sm-146
-0.103 To 0.000 %



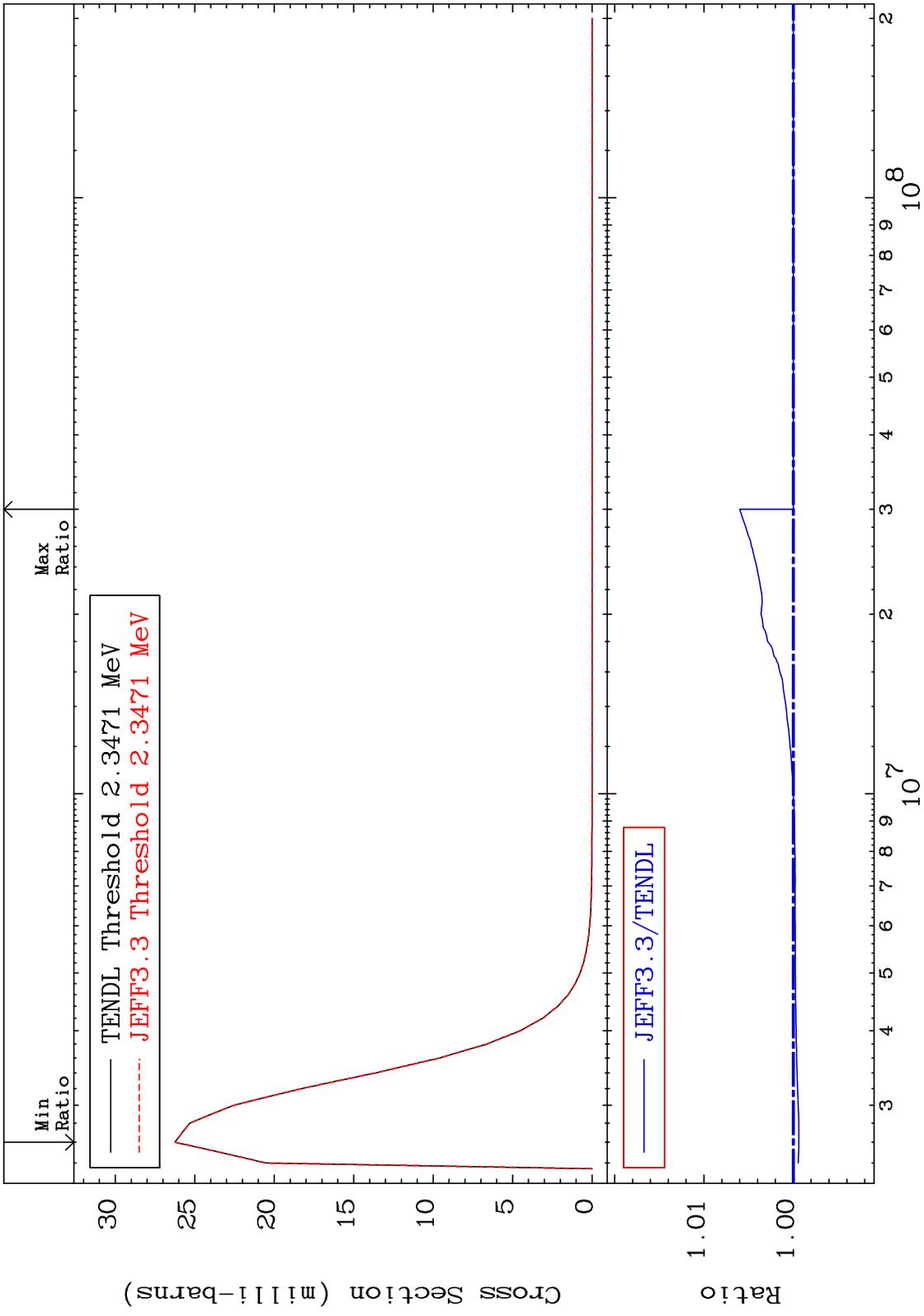
MAT 6231 MT= 63 (n, n') Level Cross Section 62-Sm-146
 -0.086 To 0.600 %



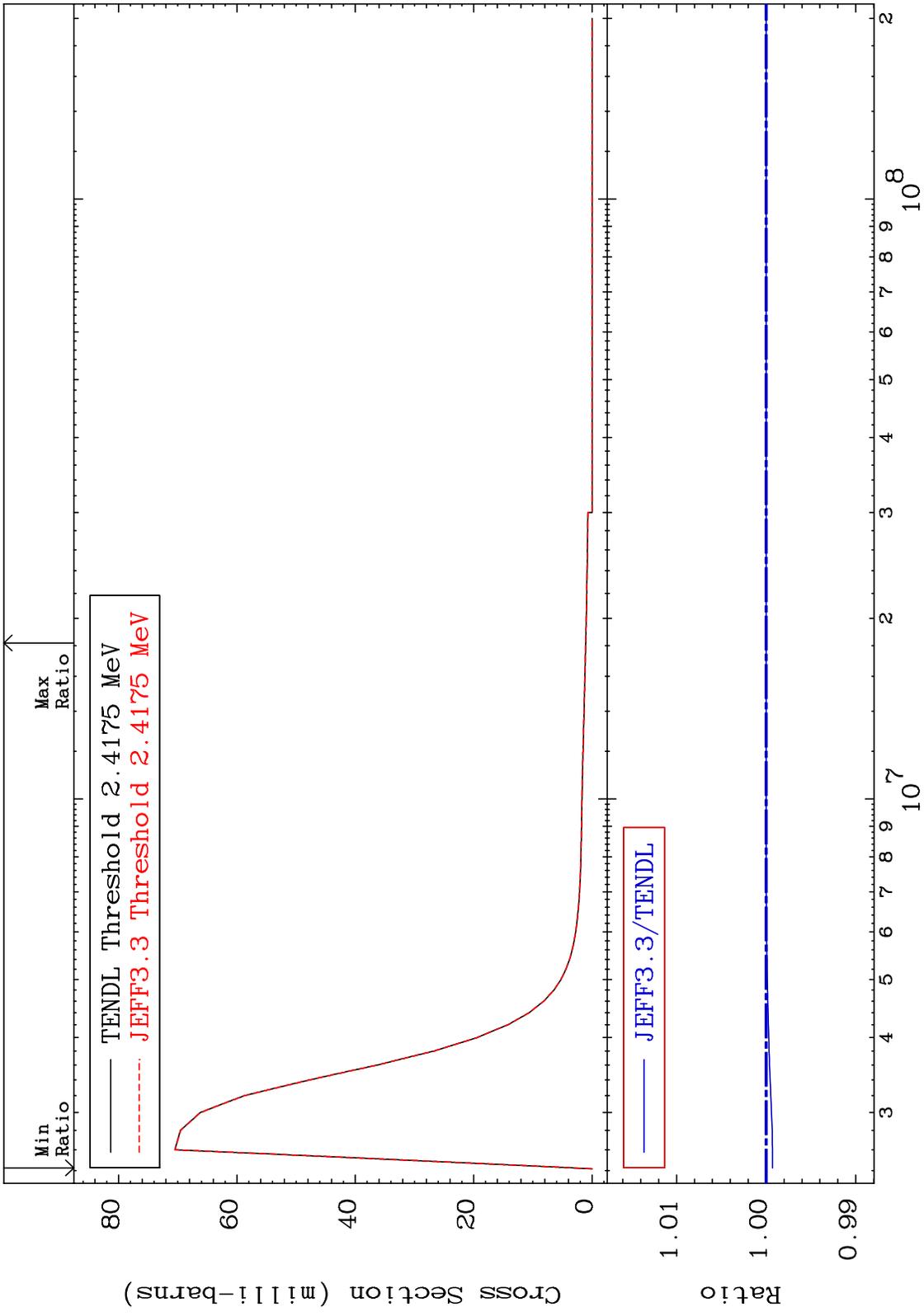
MAT 6231 MT= 64 (n,n') Level Cross Section 62-Sm-146 -0.137 To 0.000 %



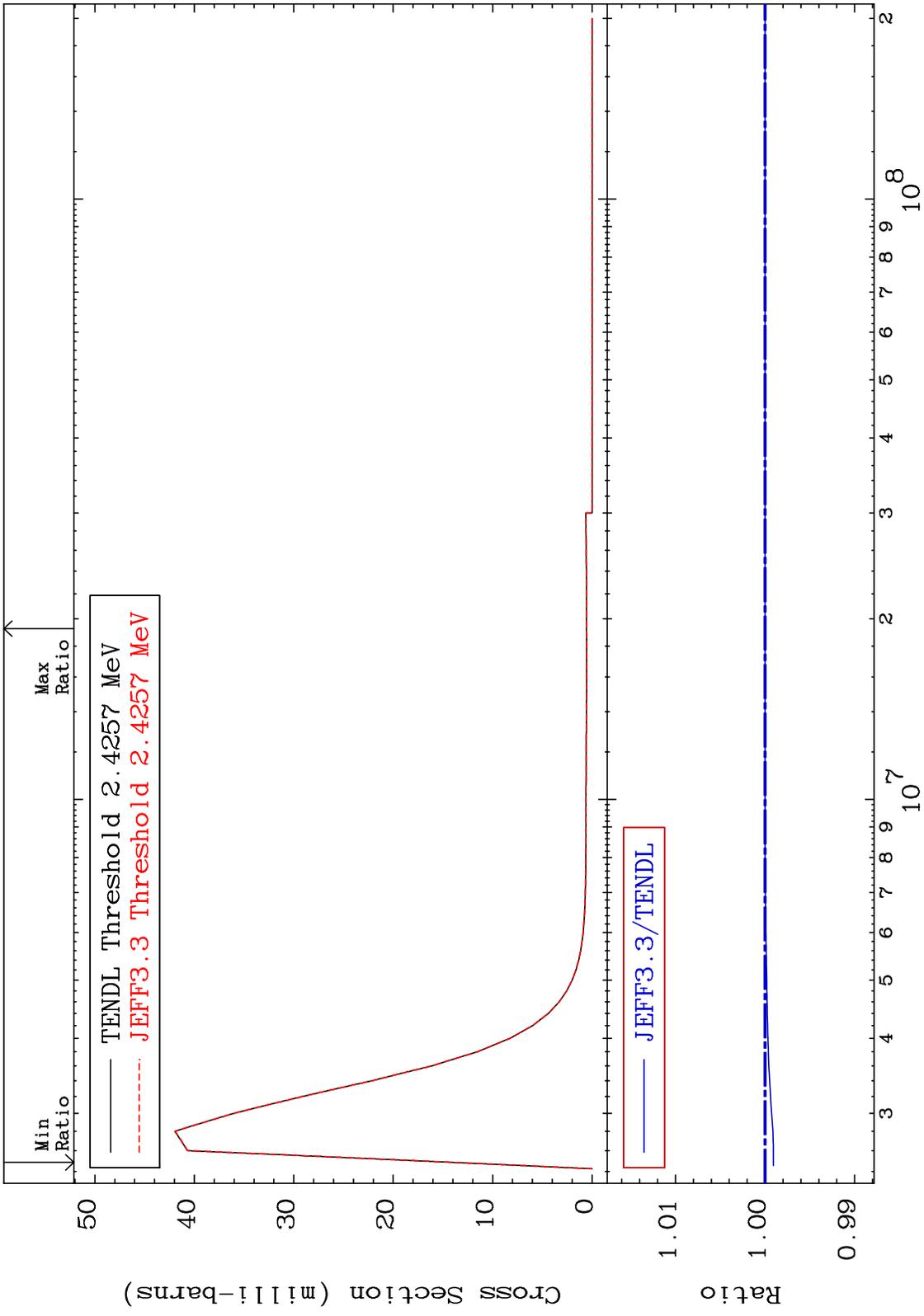
MAT 6231 MT= 65 (n, n') Level Cross Section 62-Sm-146
 -0.063 To 0.600 %



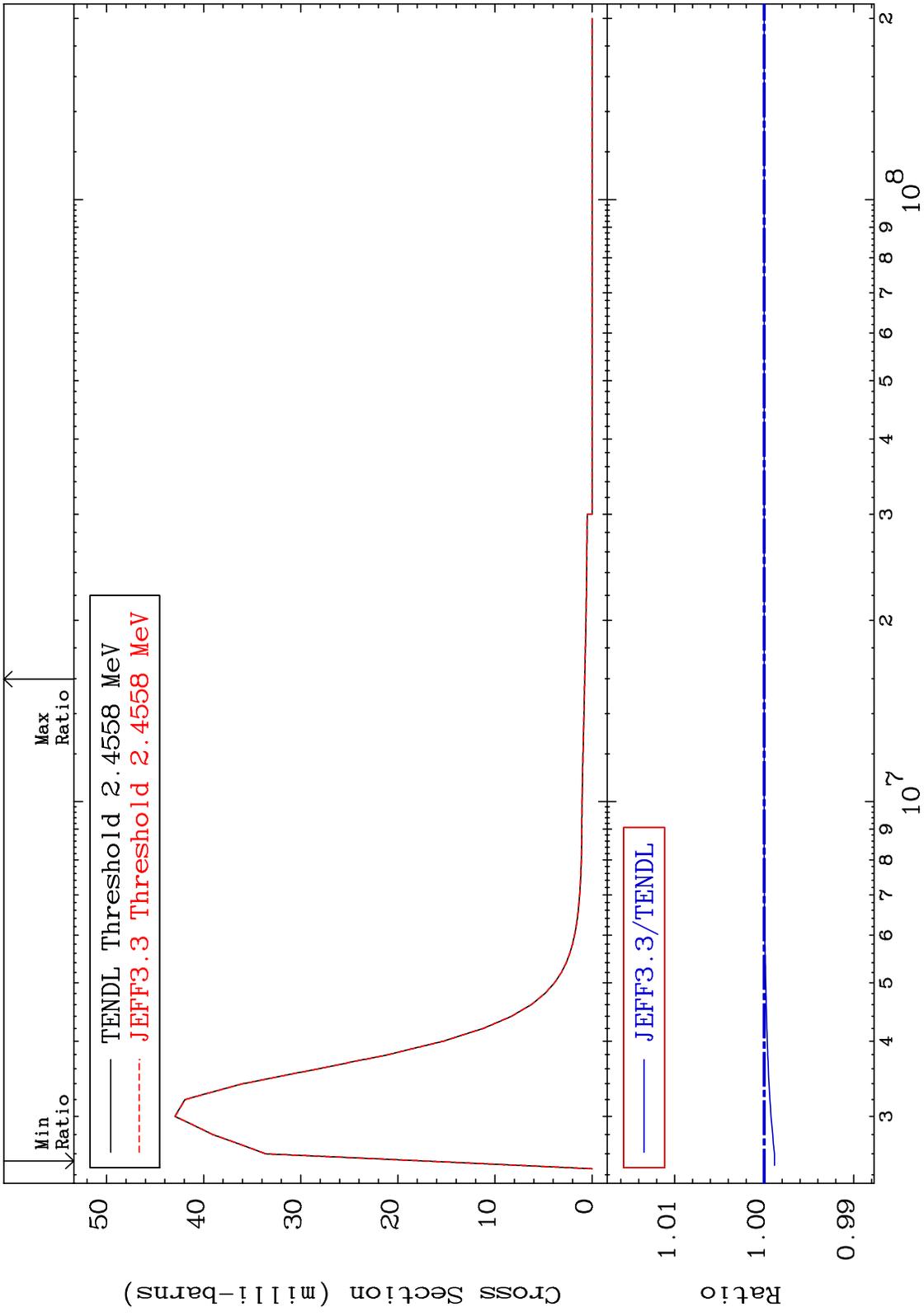
MAT 6231 MT= 66 (n,n') Level Cross Section 62-Sm-146 -0.070 To 0.000 %



MAT 6231 MT= 67 (n,n') Level Cross Section 62-Sm-146 -0.094 To 0.000 %



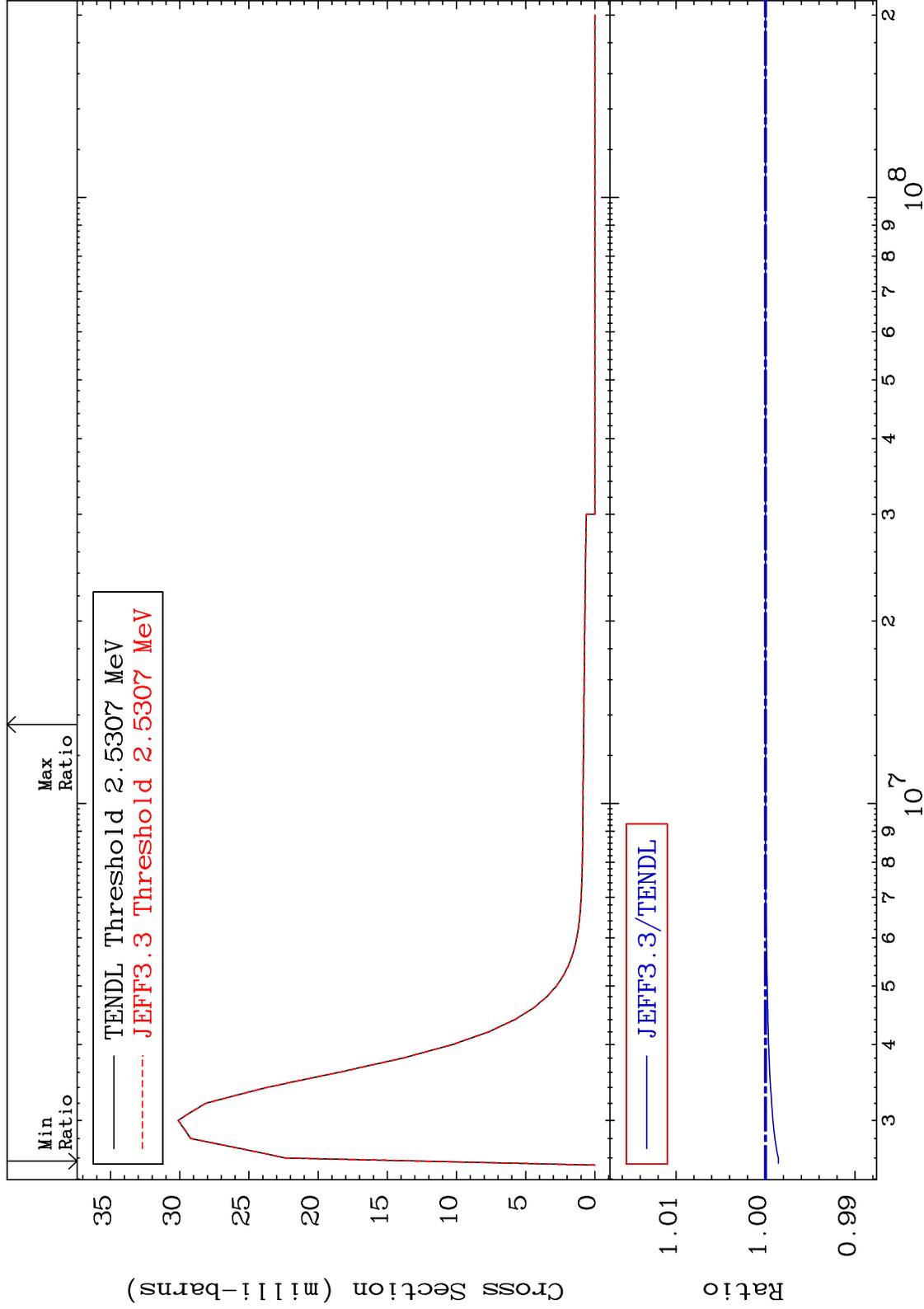
MAT 6231 MT= 68 (n,n') Level Cross Section 62-Sm-146
 -0.114 To 0.000 %



MAT 6231

MT= 69 (n,n') Level
Cross Section

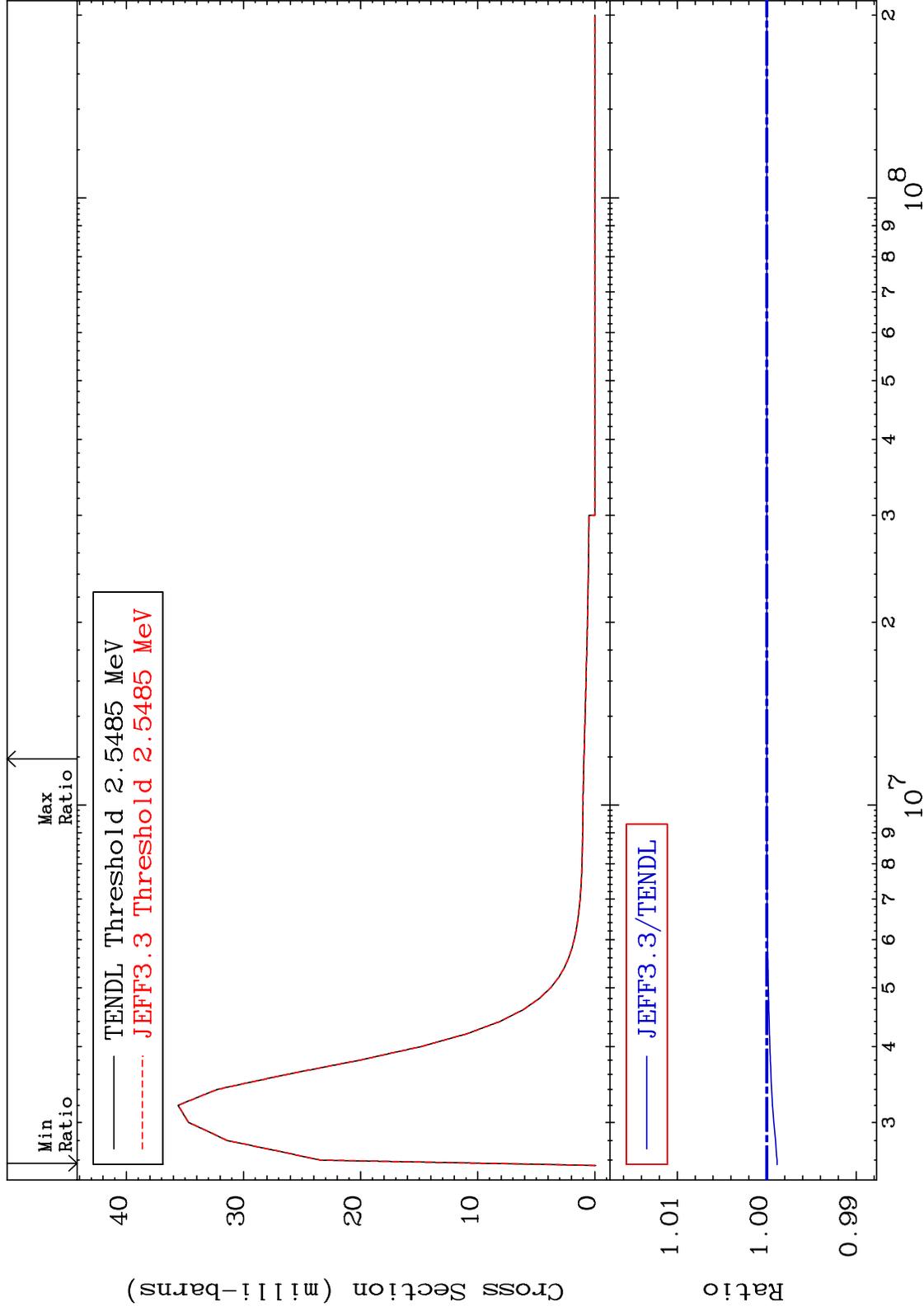
62-Sm-146
-0.143 To 0.000 %



MAT 6231

MT= 70 (n,n') Level
Cross Section

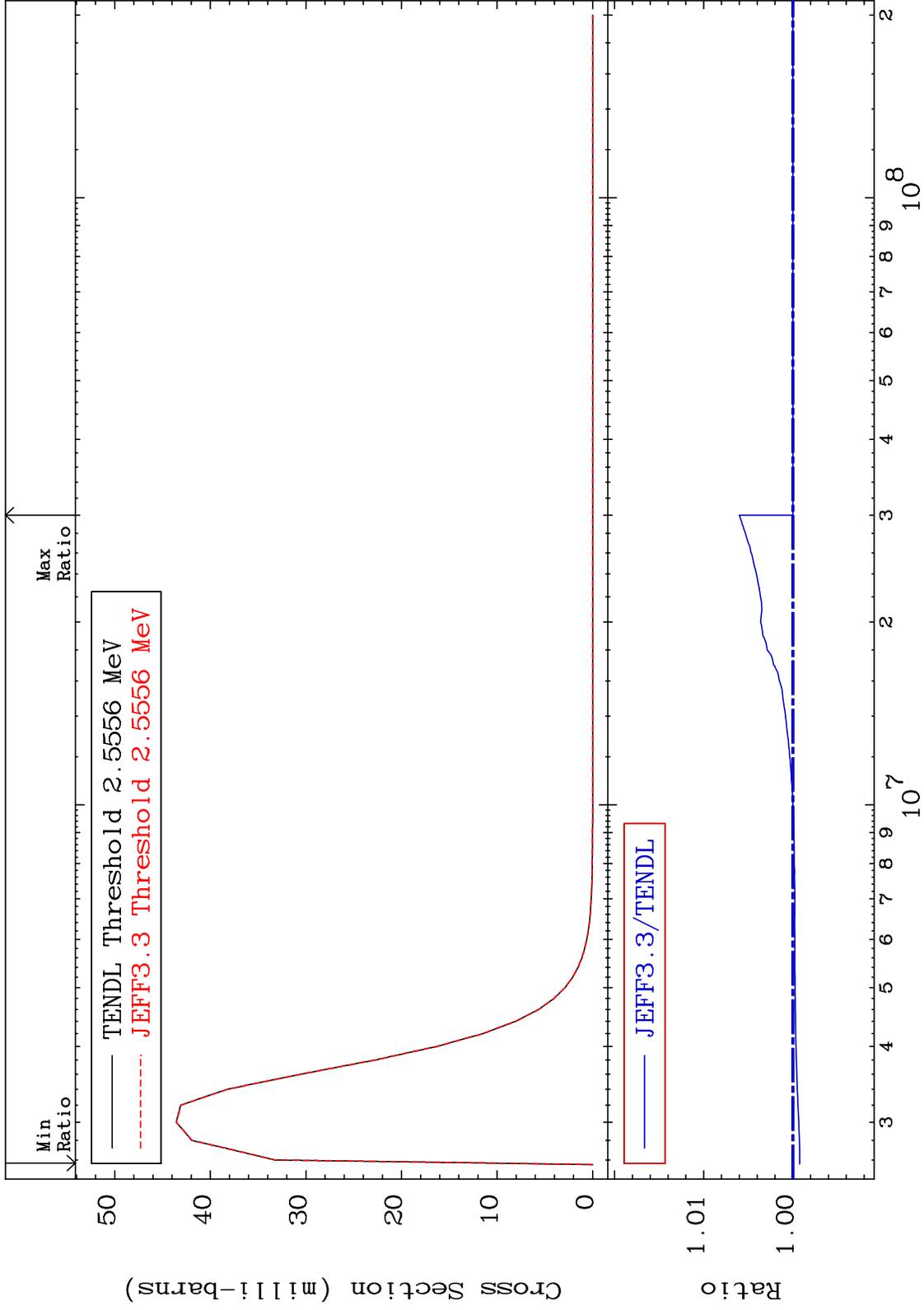
62-Sm-146
-0.114 To 0.000 %



MAT 6231

MT= 71 (n,n') Level
Cross Section

62-Sm-146
-0.078 To 0.600 %



40

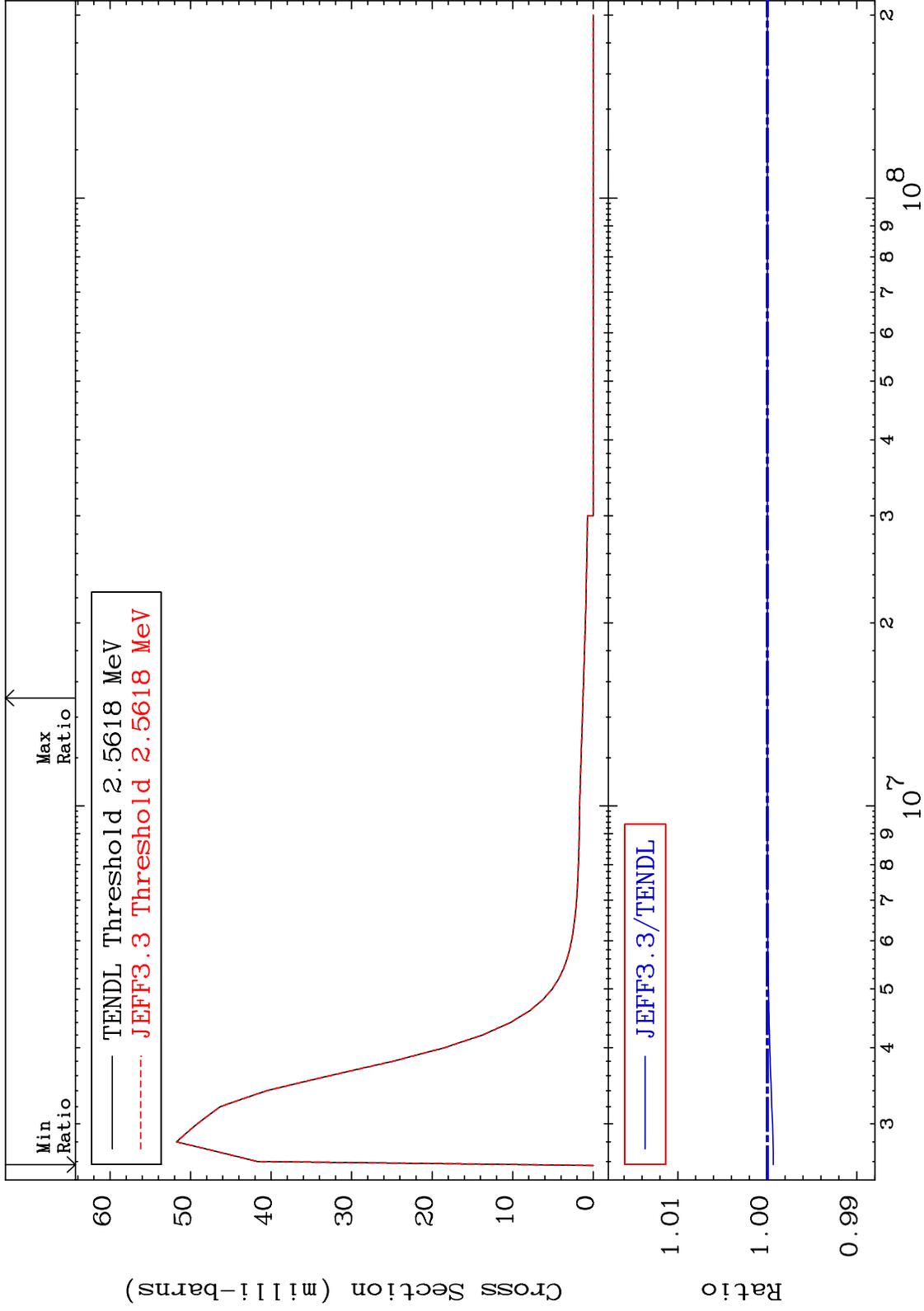
Incident Energy (eV)

62-Sm-146

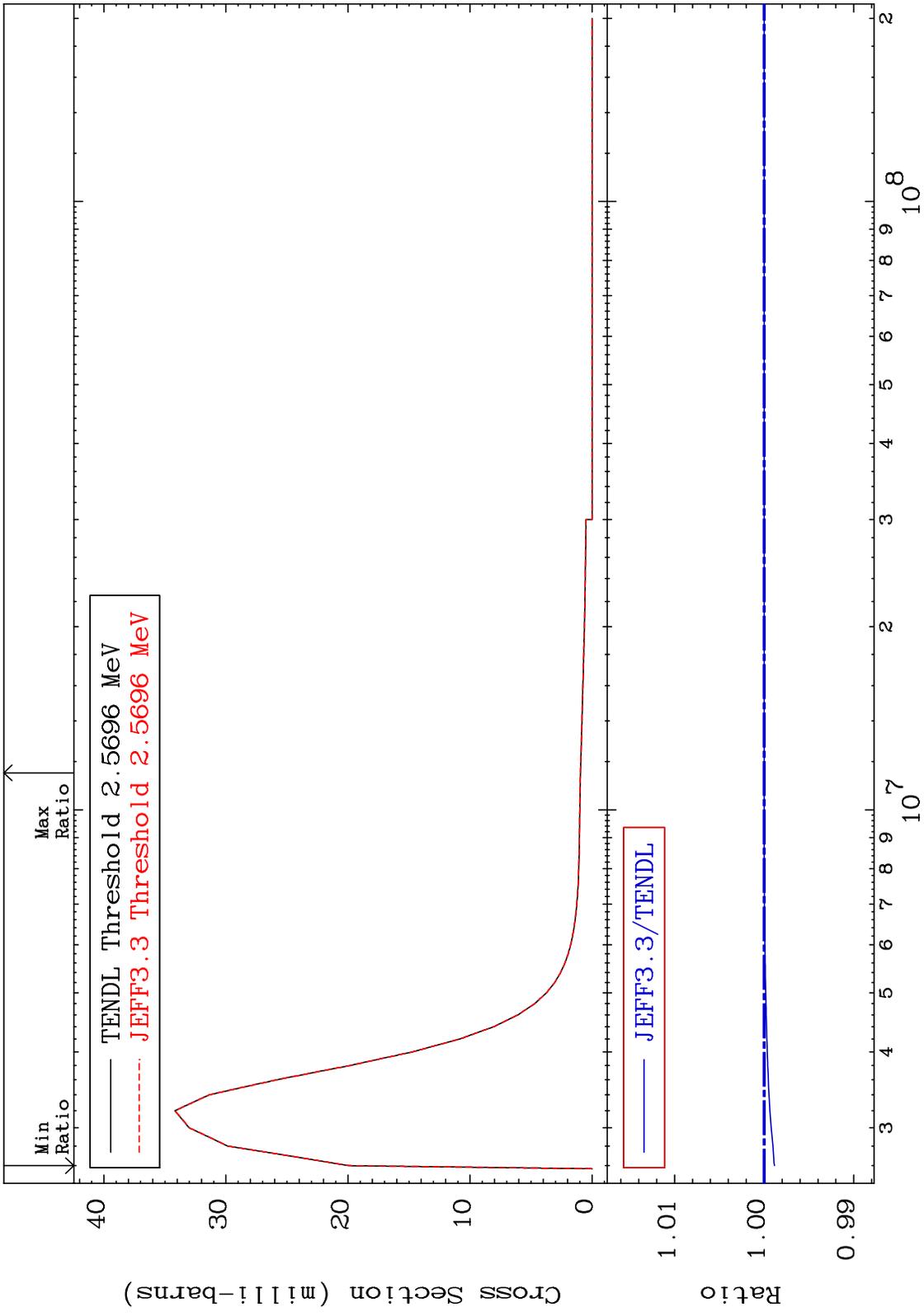
MAT 6231

MT= 72 (n,n') Level
Cross Section

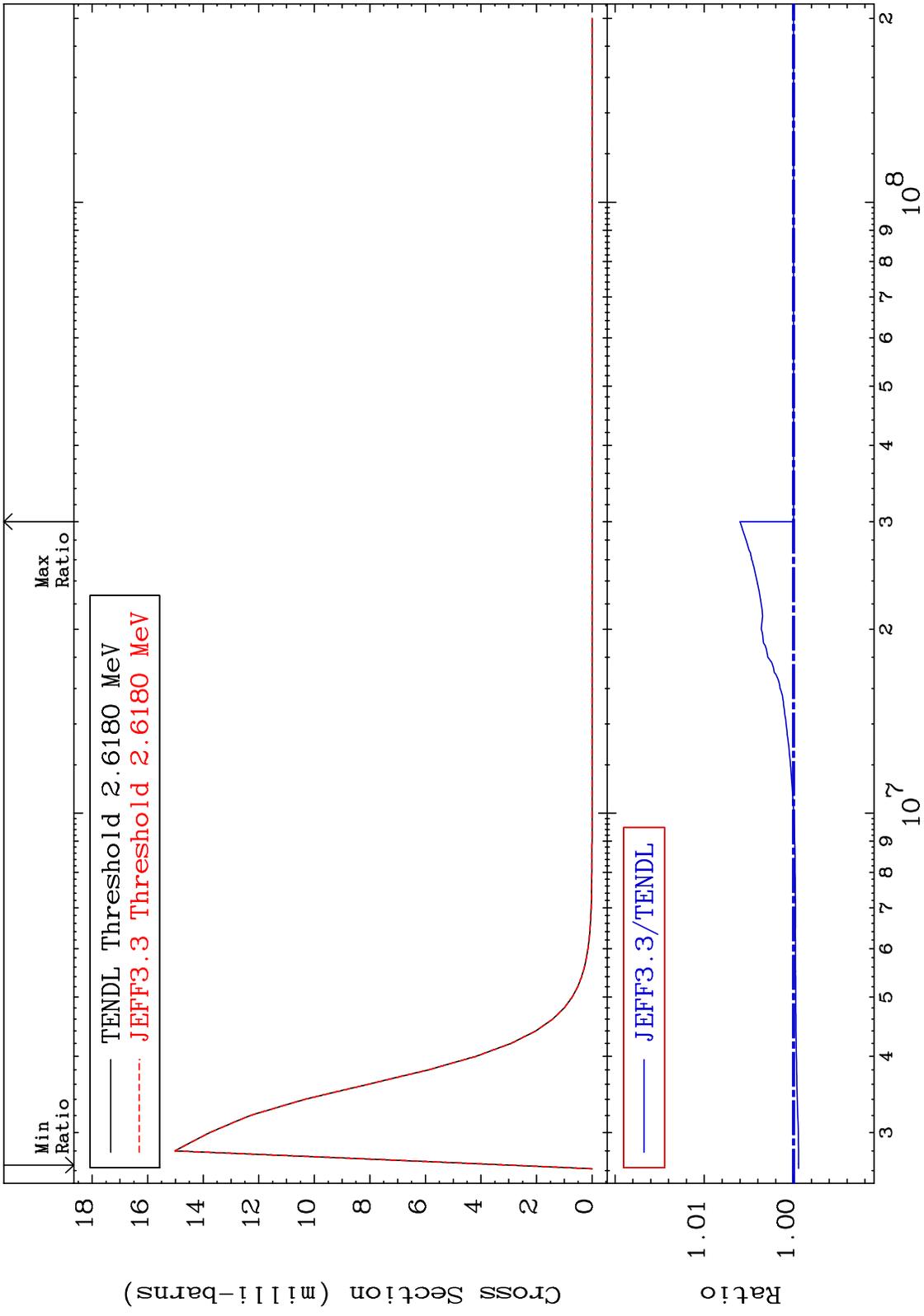
62-Sm-146
-0.067 To 0.000 %



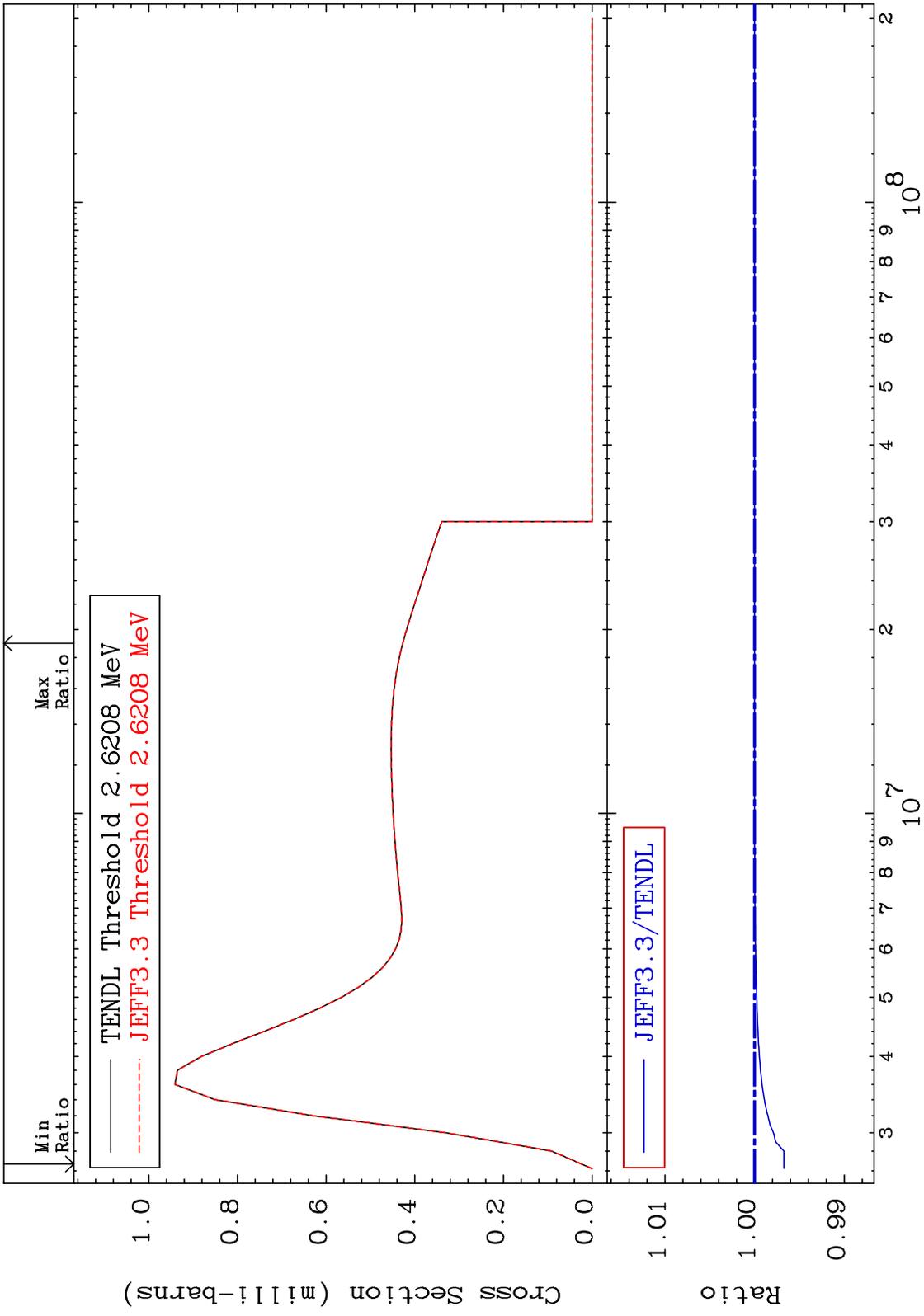
MAT 6231 MT= 73 (n,n') Level Cross Section 62-Sm-146 -0.114 To 0.000 %



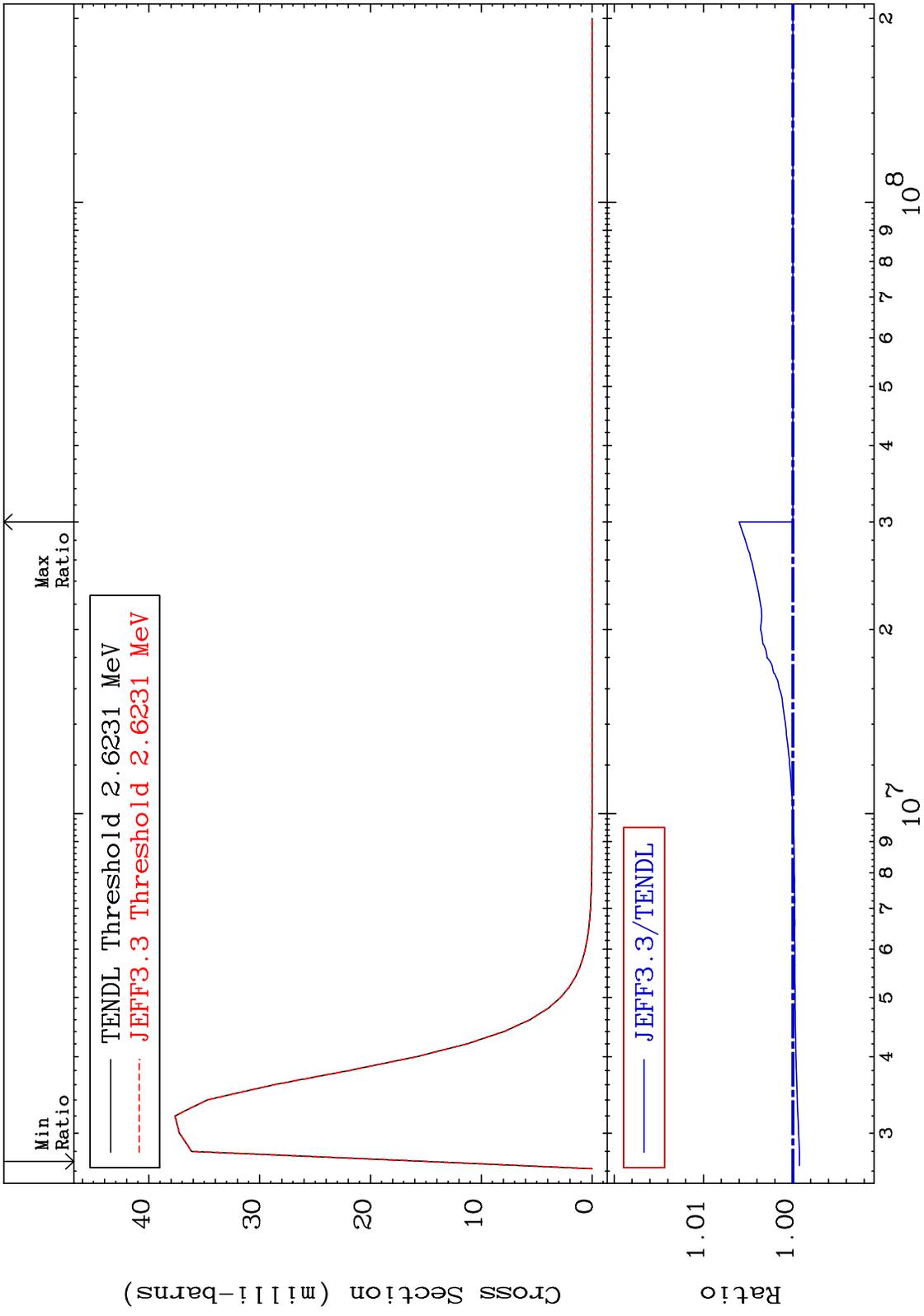
MAT 6231 MT= 74 (n,n') Level Cross Section 62-Sm-146 -0.056 To 0.600 %



MAT 6231 MT= 75 (n,n') Level Cross Section 62-Sm-146
 -0.327 To 0.000 %



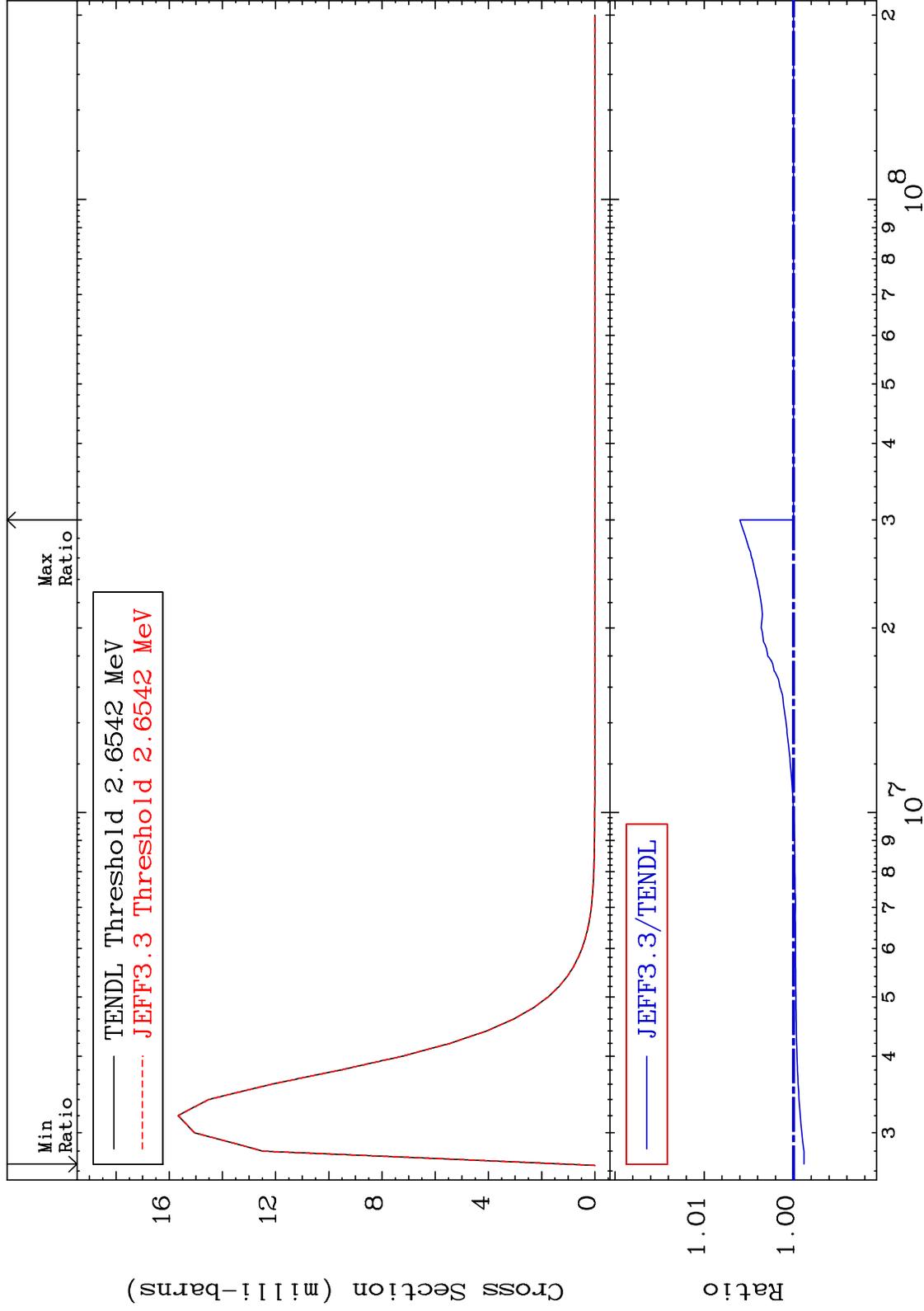
MAT 6231 MT= 76 (n,n') Level Cross Section 62-Sm-146 -0.073 To 0.600 %



MAT 6231

MT= 77 (n,n') Level
Cross Section

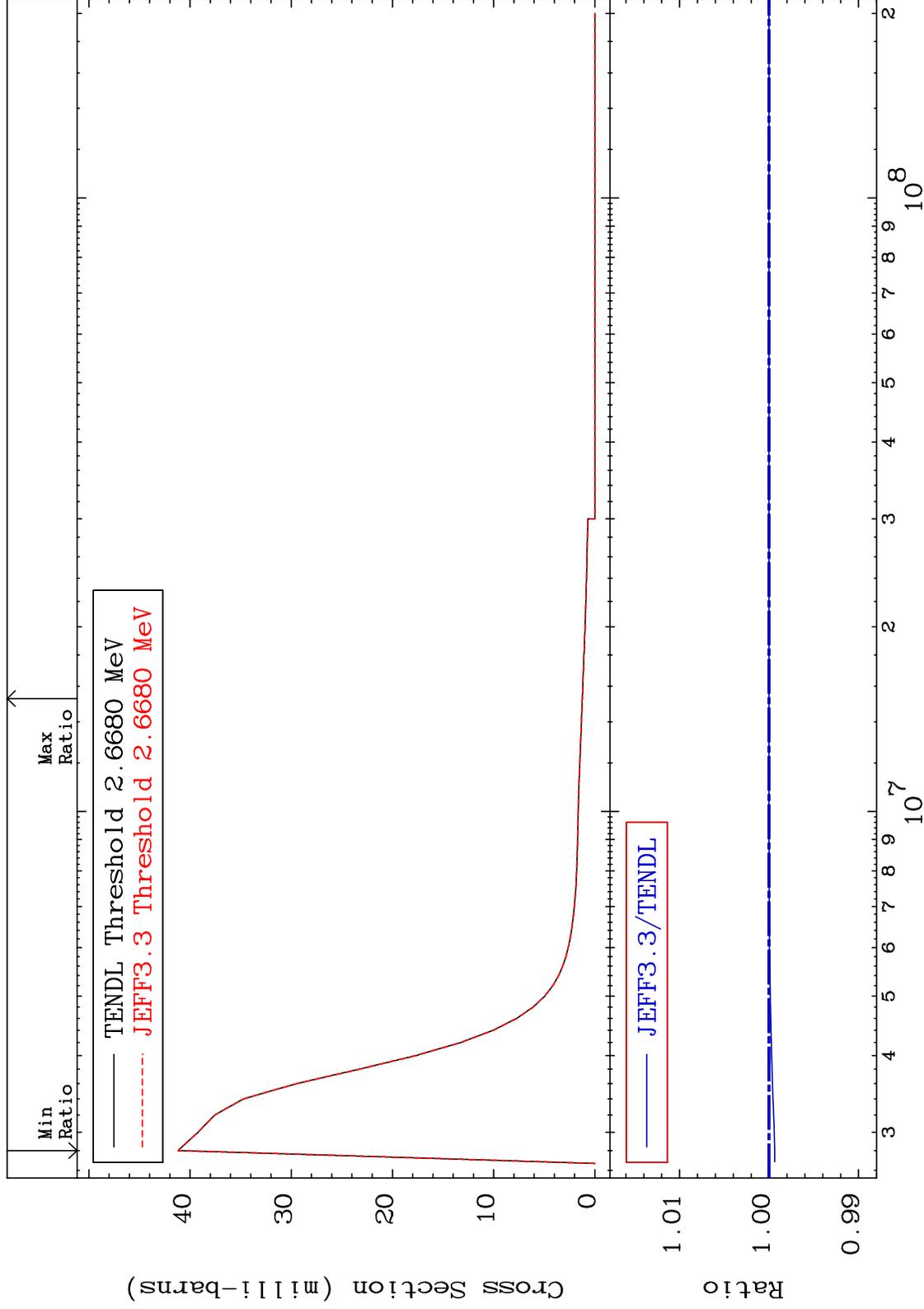
62-Sm-146
-0.118 To 0.600 %



MAT 6231

MT= 78 (n,n') Level
Cross Section

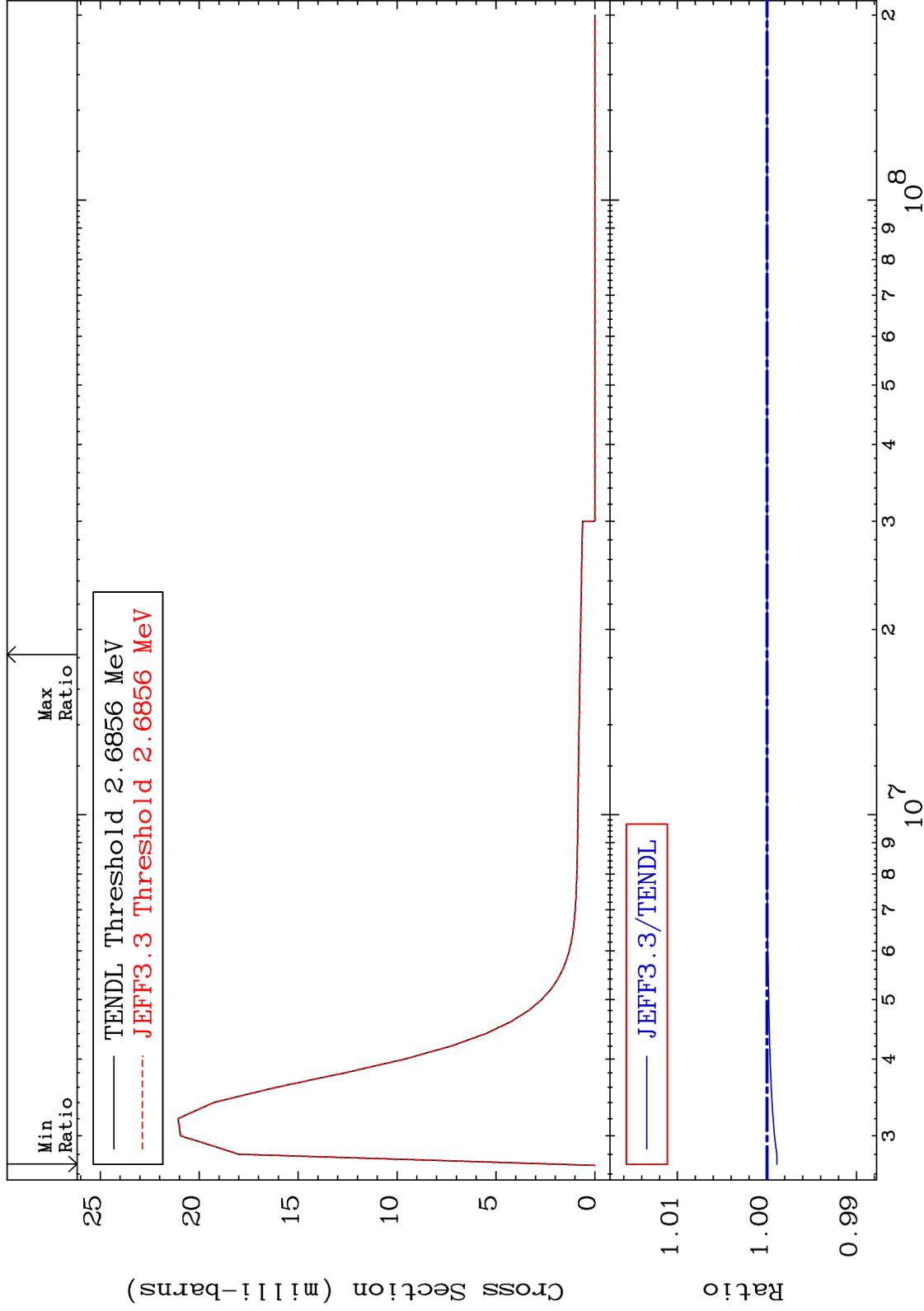
62-Sm-146
-0.063 To 0.000 %



MAT 6231

MT= 79 (n,n') Level
Cross Section

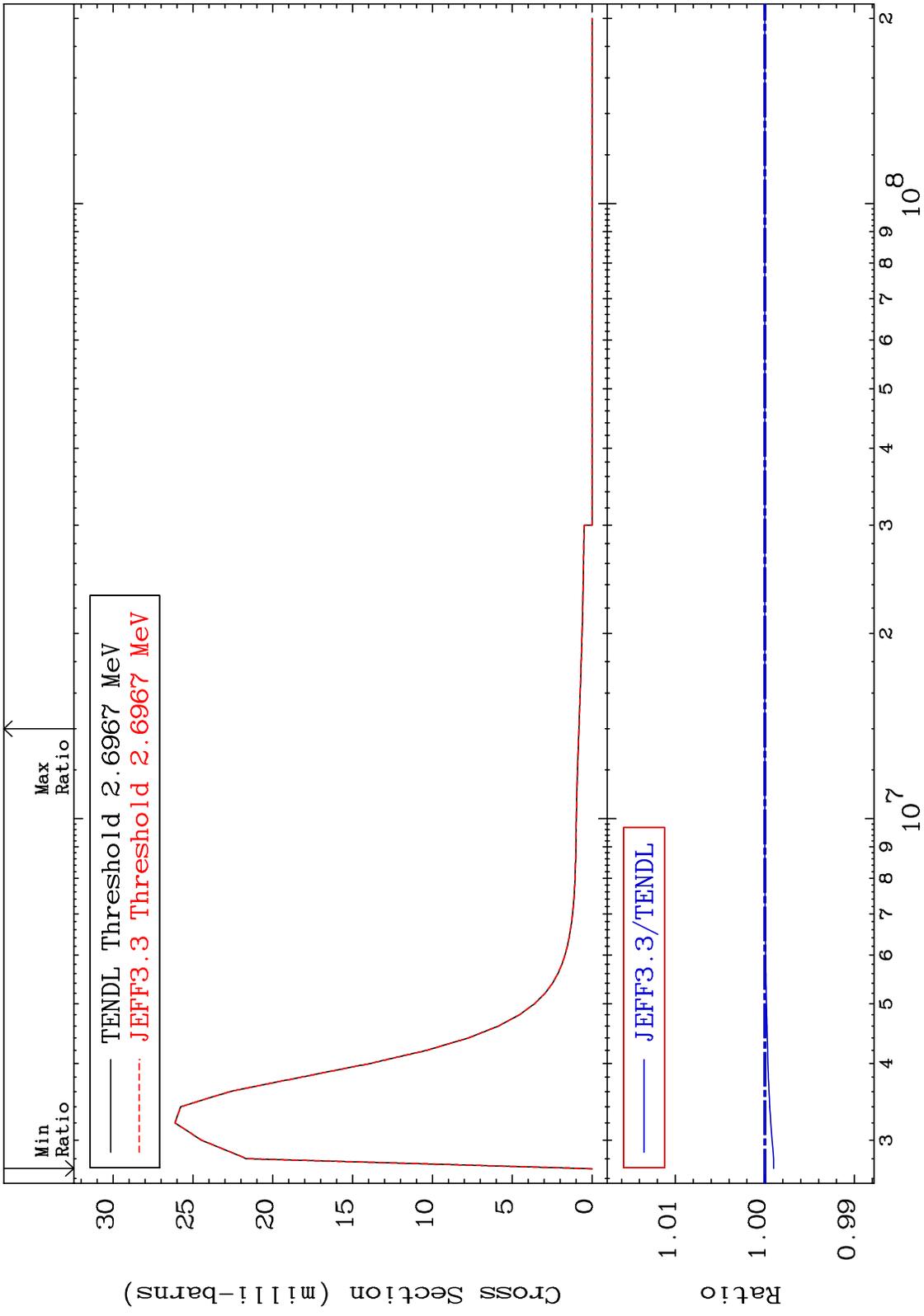
62-Sm-146
-0.110 To 0.000 %



48

62-Sm-146

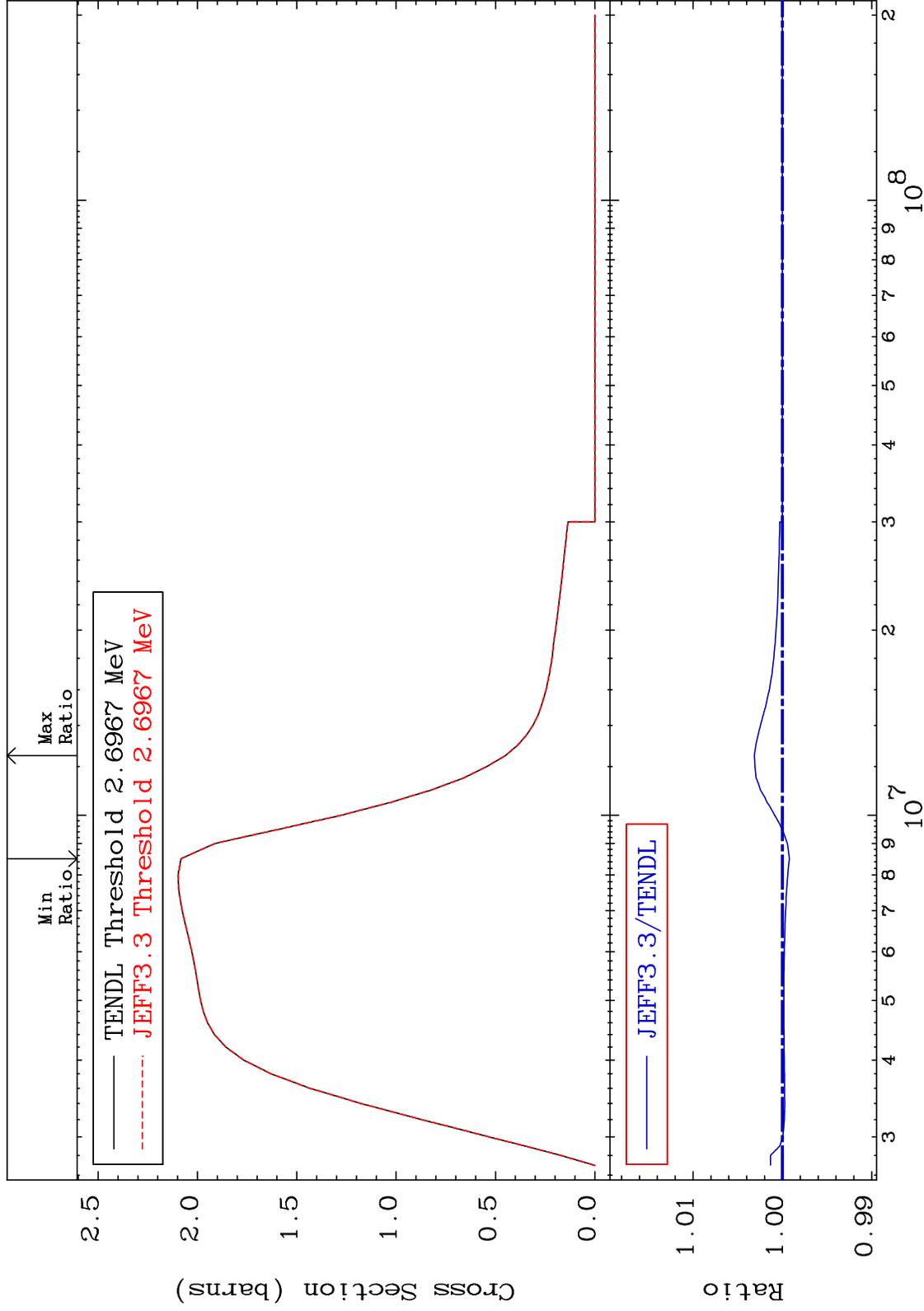
MAT 6231 MT= 80 (n,n') Level Cross Section 62-Sm-146
 -0.098 To 0.000 %



MAT 6231

(n,n') Continuum
Cross Section

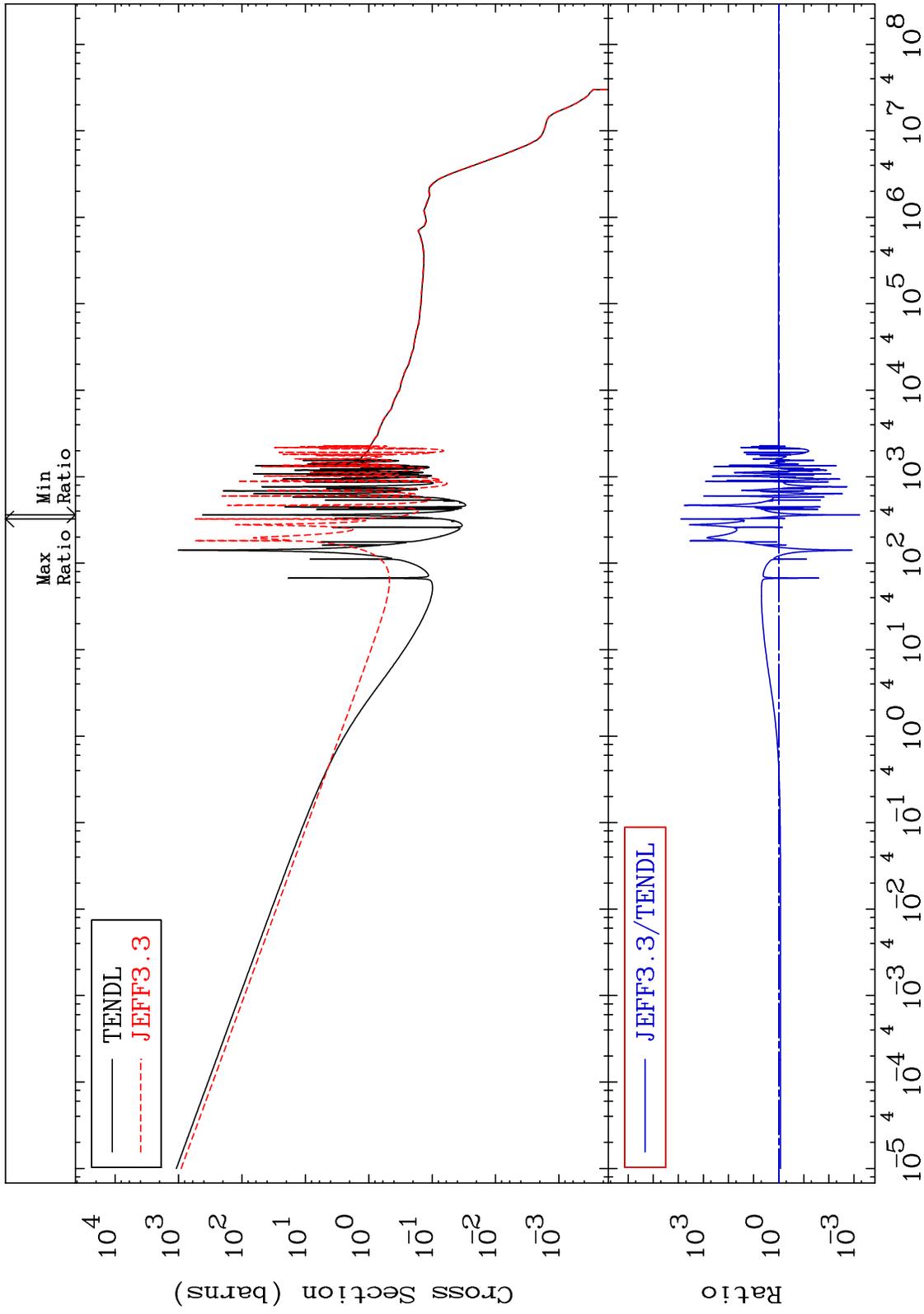
62-Sm-146
-0.078 To 0.313 %



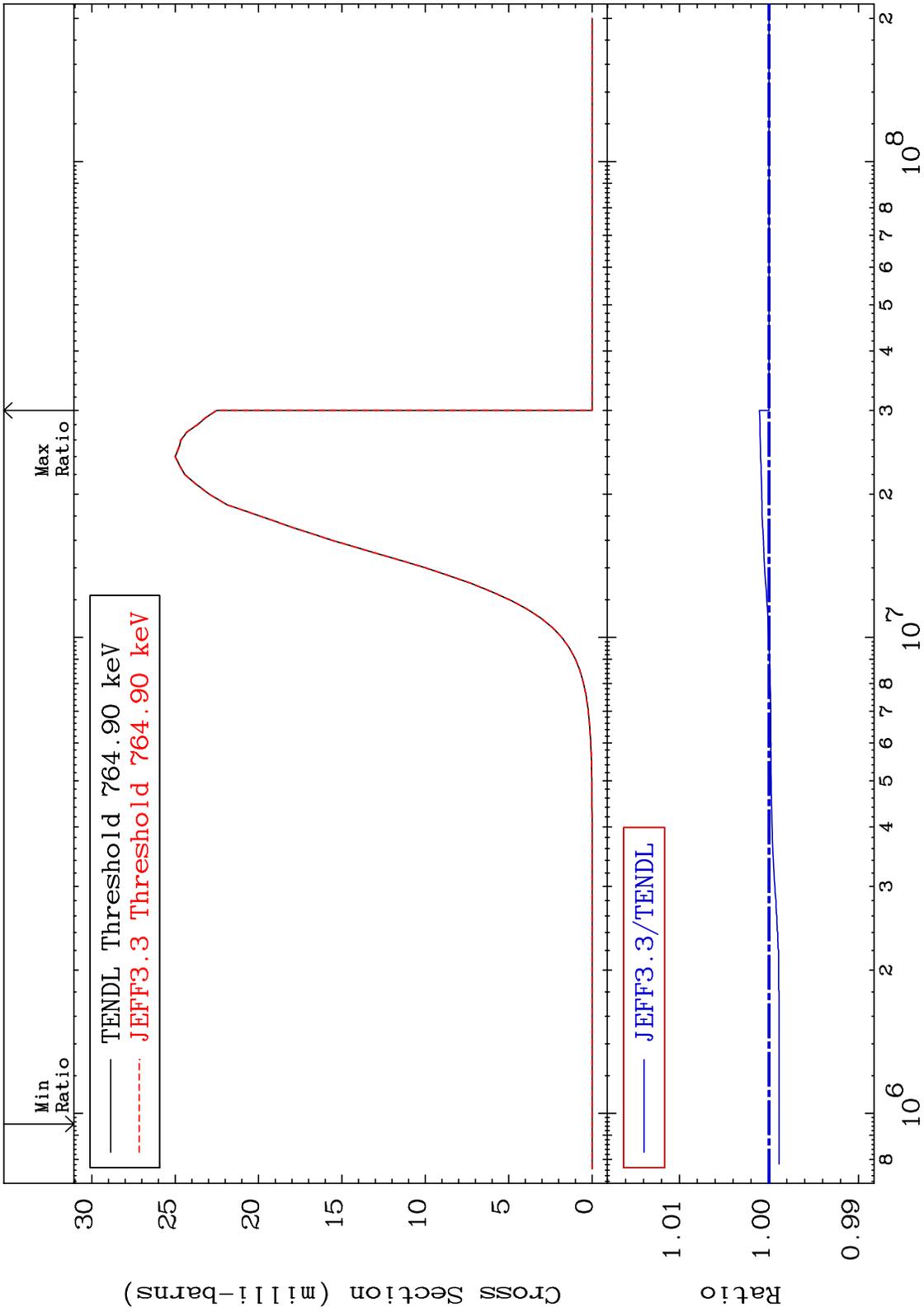
MAT 6231

(n, γ)
Cross Section

62-Sm-146
-99.94 To 9999. %



MAT 6231 (n,p) Cross Section 62-Sm-146 -0.114 To 0.106 %

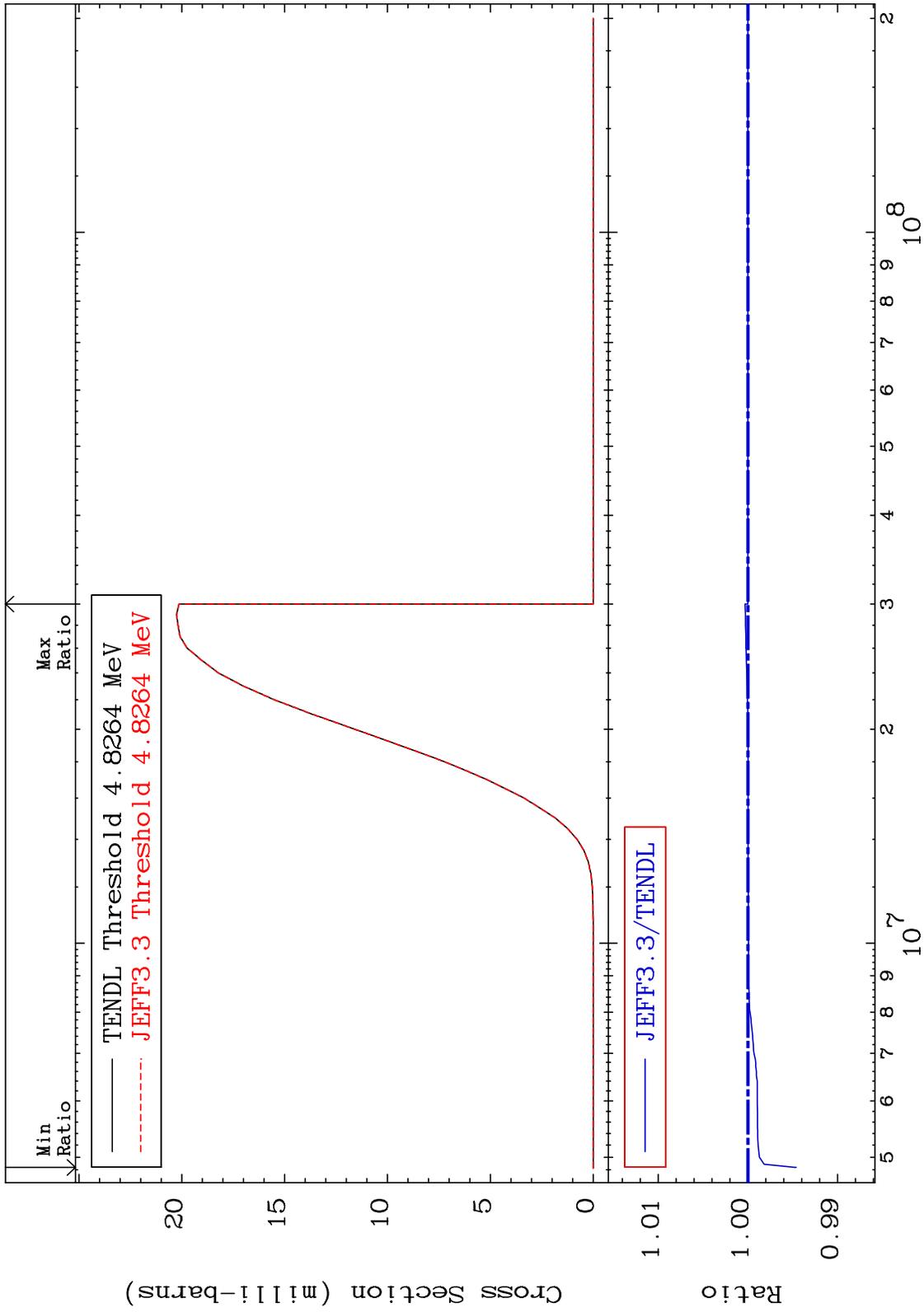


MAT 6231

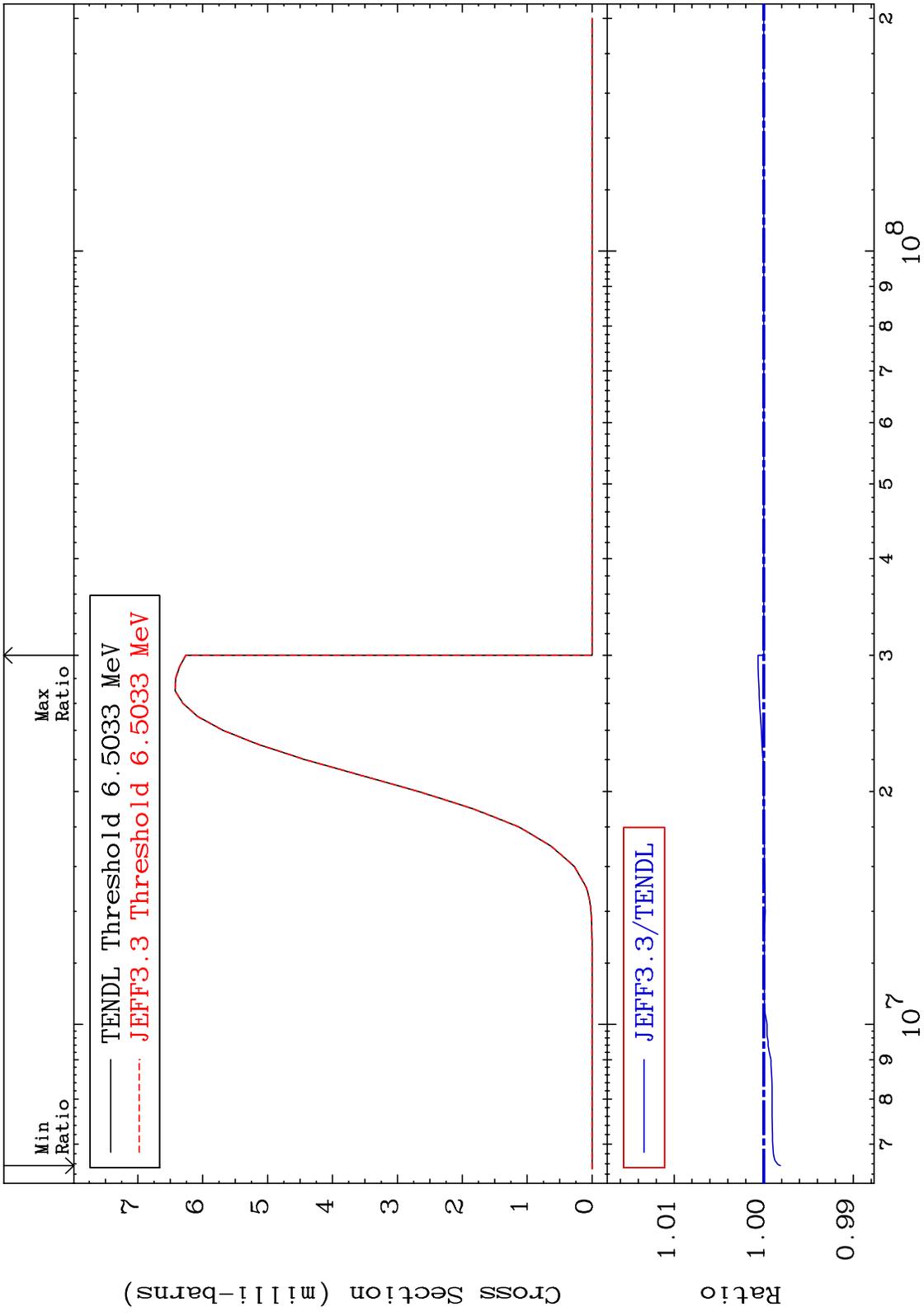
62-Sm-146

(n,d)
Cross Section

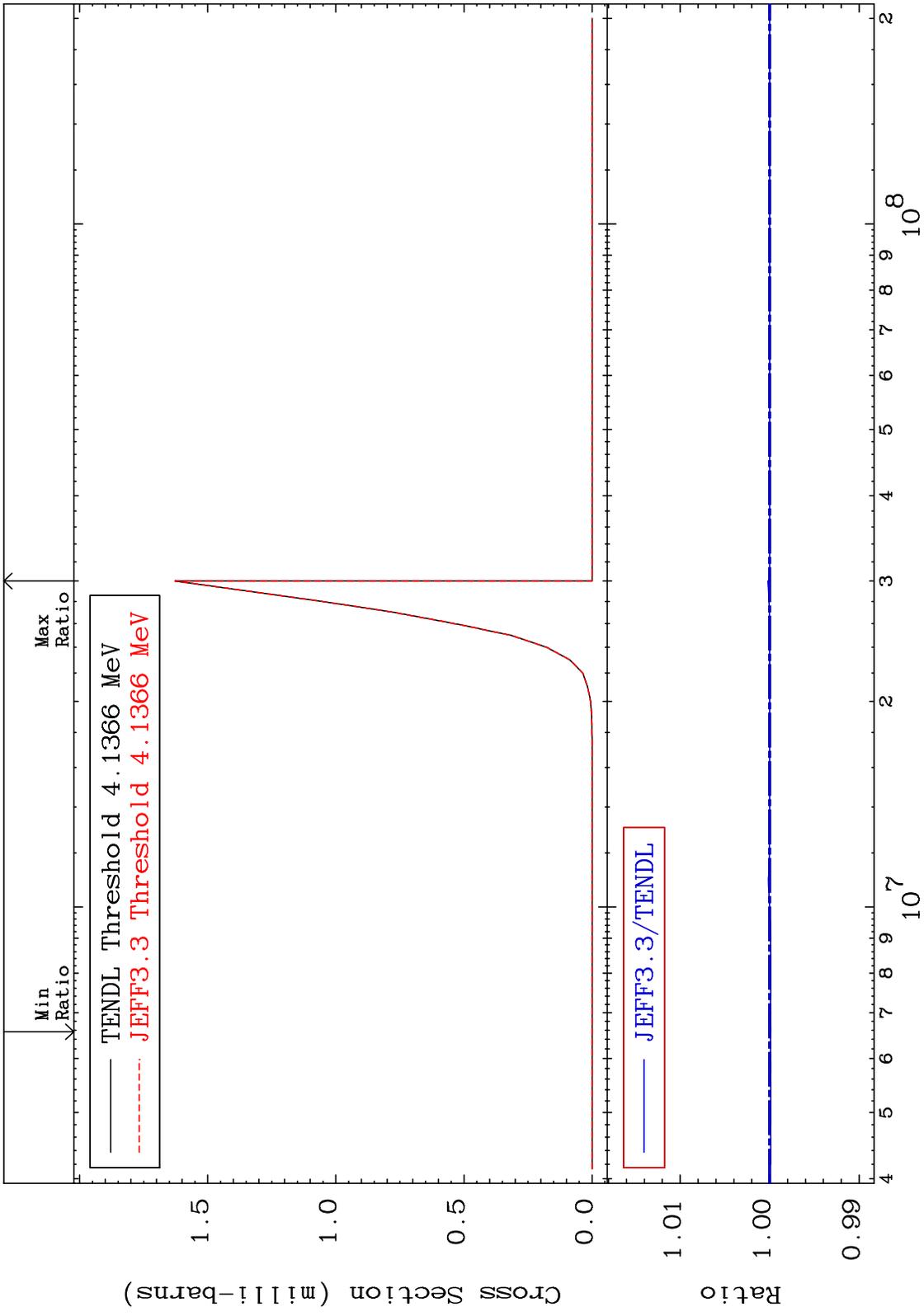
-0.529 To 0.032 %



(n, t)
 Cross Section



MAT 6231 (n, He-3) 62-Sm-146
Cross Section -0.011 To 0.020 %



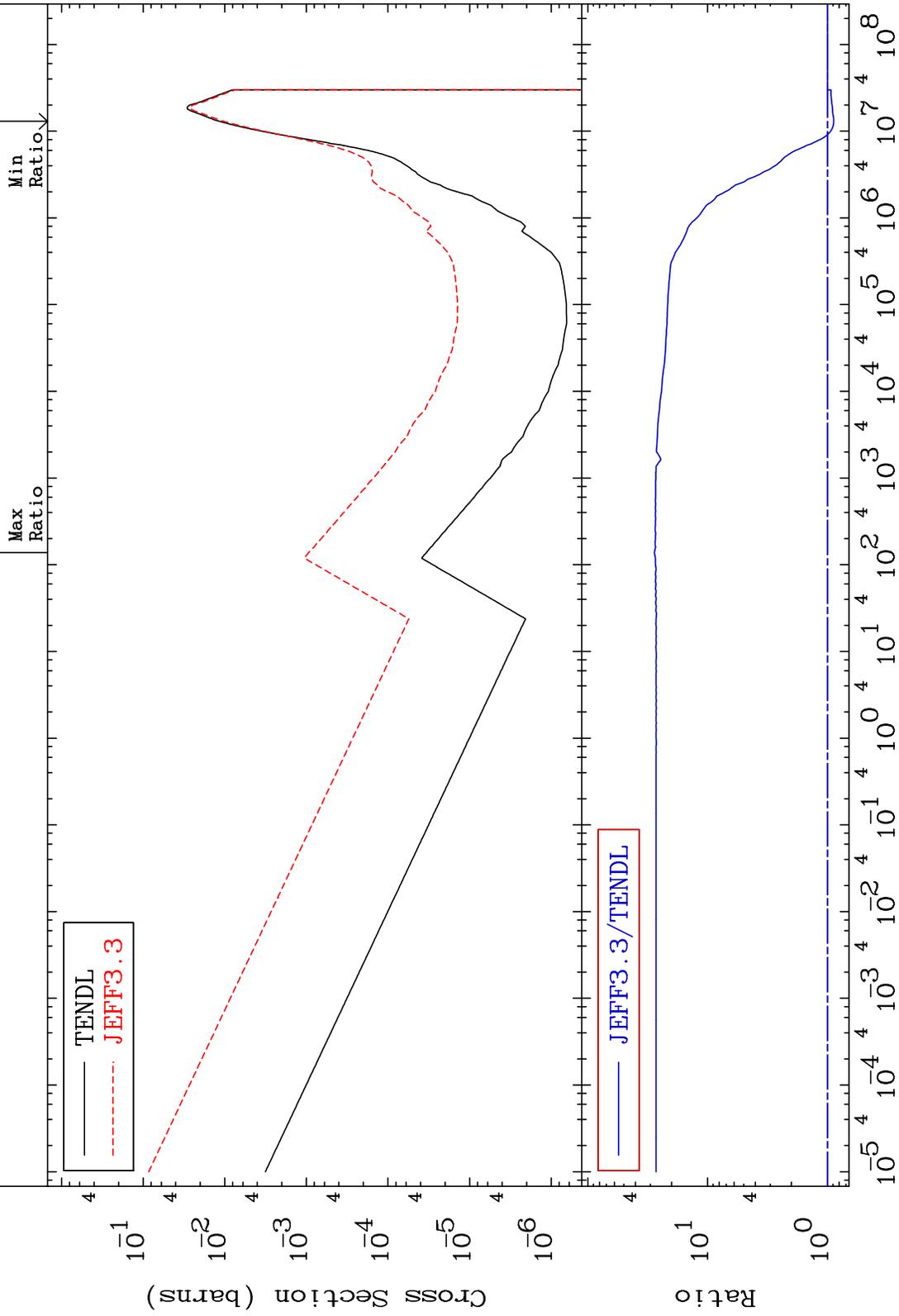
MAT 6231

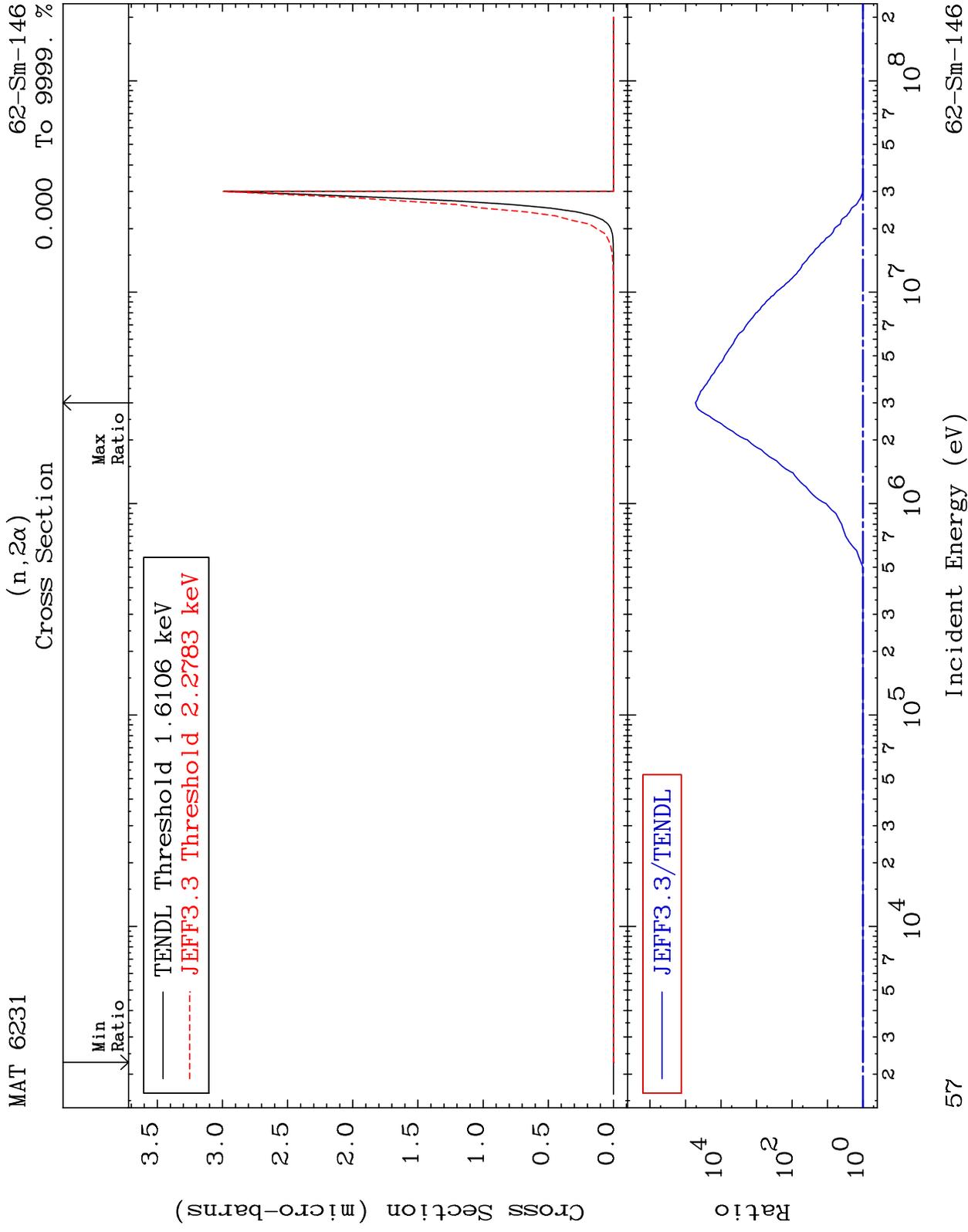
(n, α)

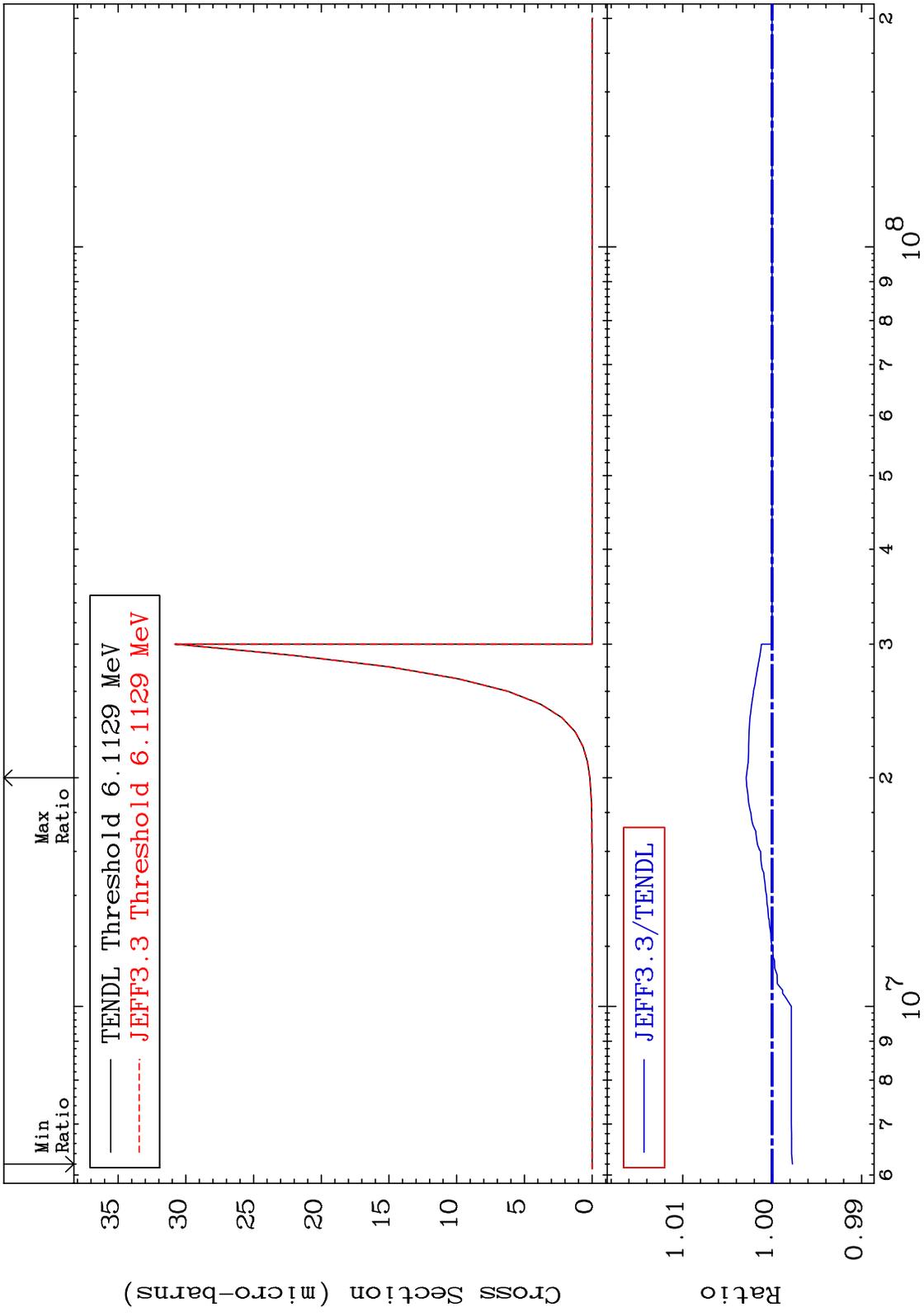
62-Sm-146

-11.37 To 2681. %

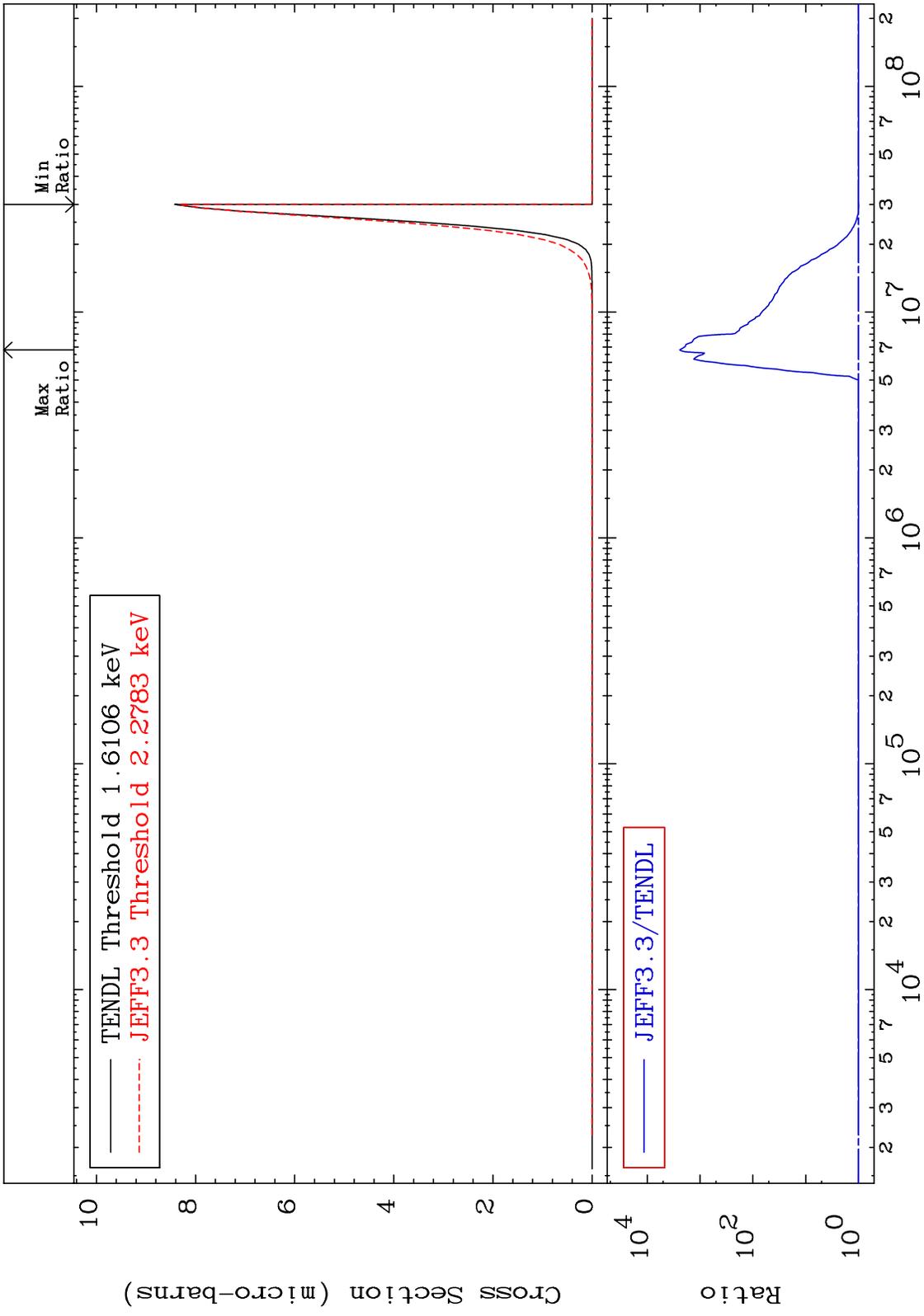
Cross Section







MAT 6231 $(n,p) \alpha$ 62-Sm-146
 Cross Section -1.091 To 9999. %



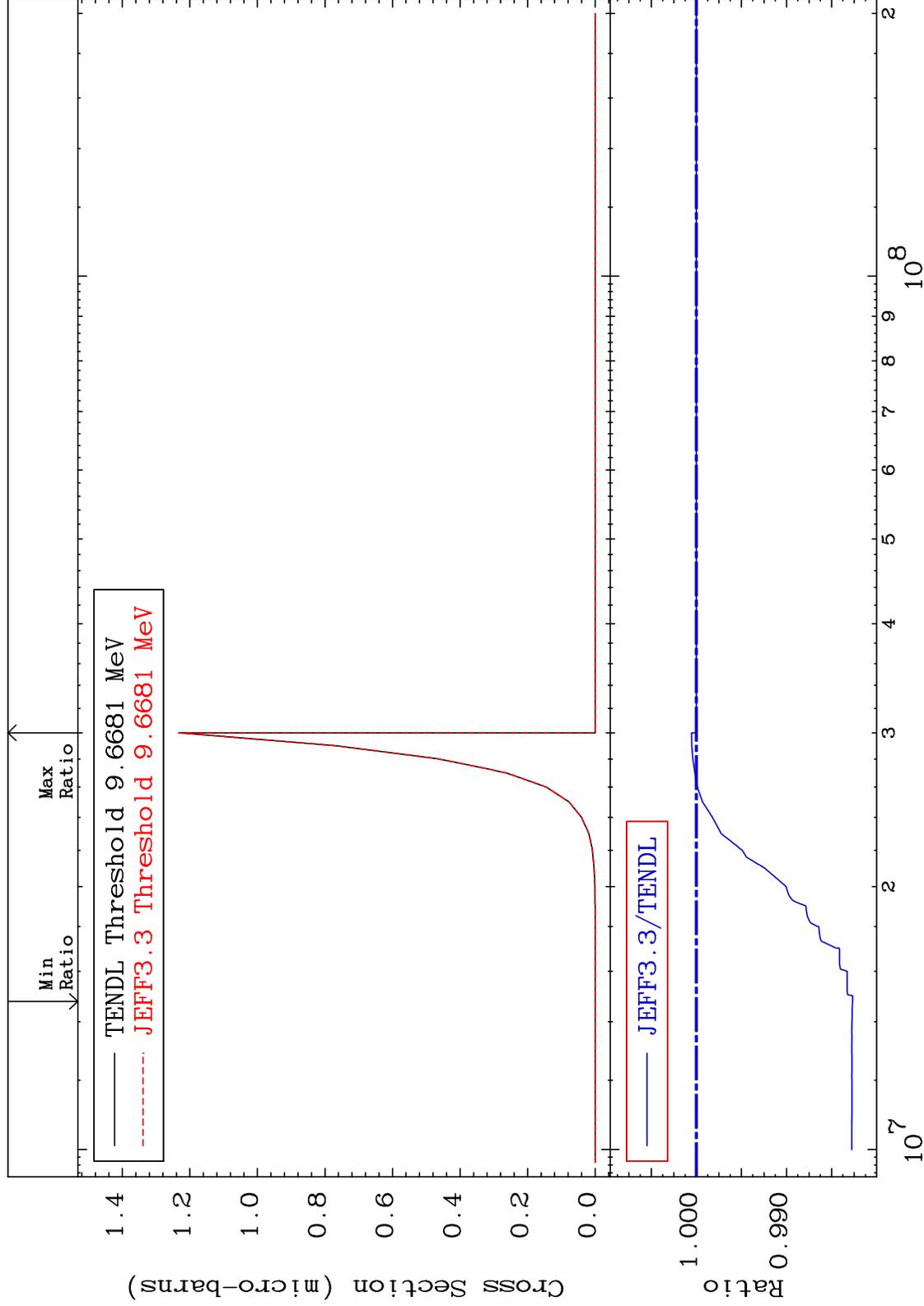
MAT 6231

(n,p) d

62-Sm-146

-1.732 To 0.054 %

Cross Section



Incident Energy (eV)

62-Sm-146

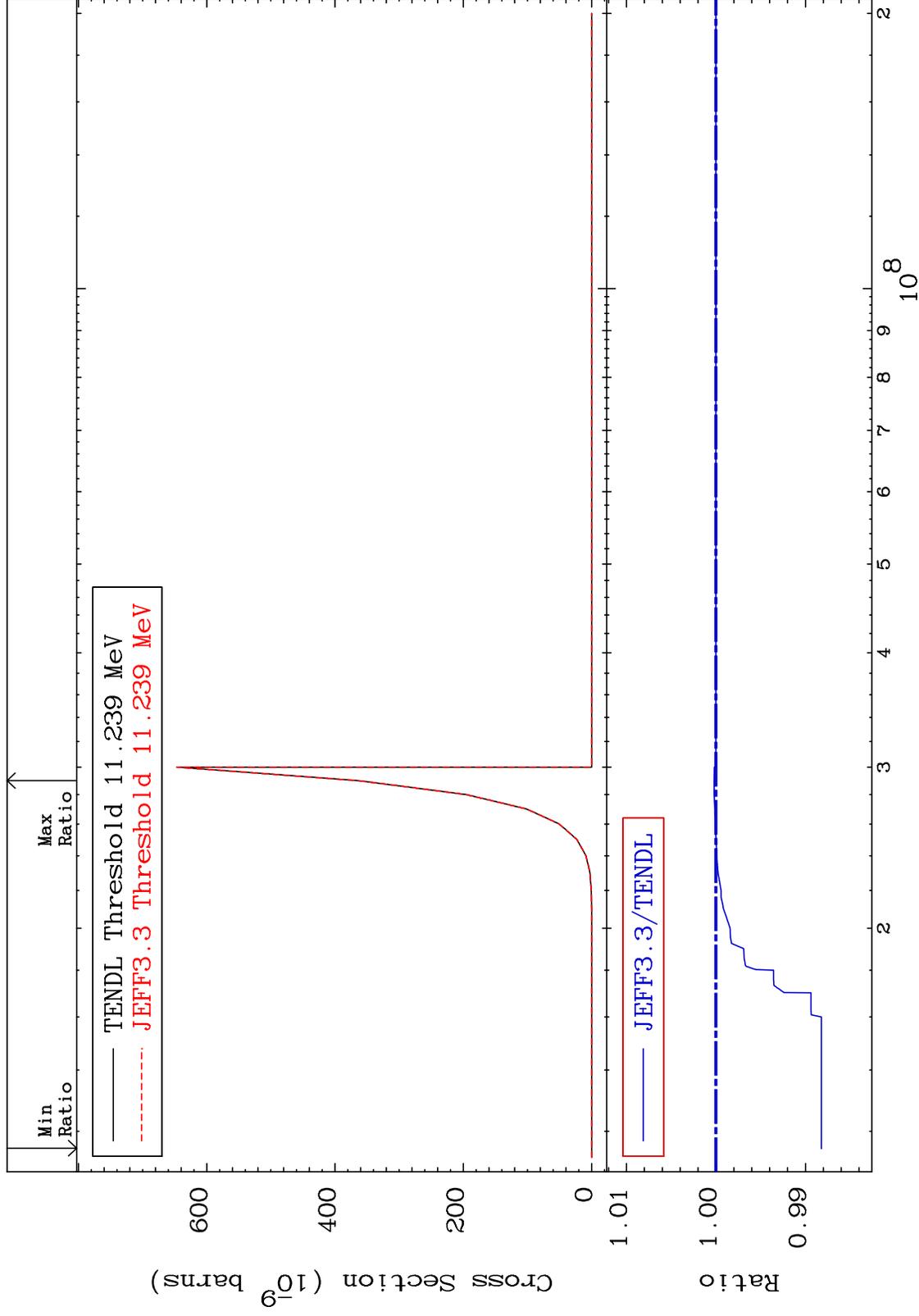
MAT 6231

(n,p) t

62-Sm-146

Cross Section

-1.178 To 0.021 %



61

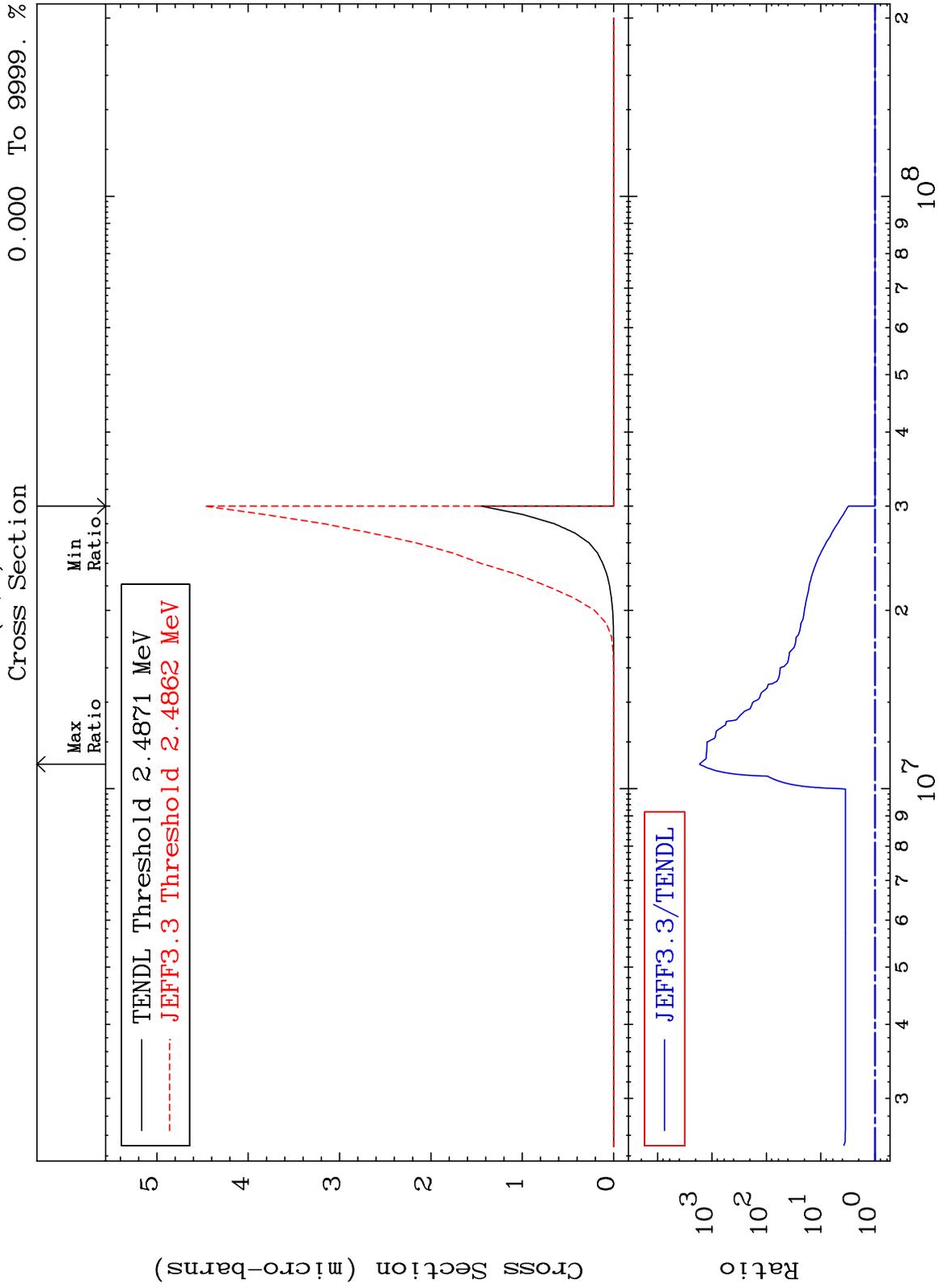
Incident Energy (eV)

62-Sm-146

MAT 6231

(n,d) α

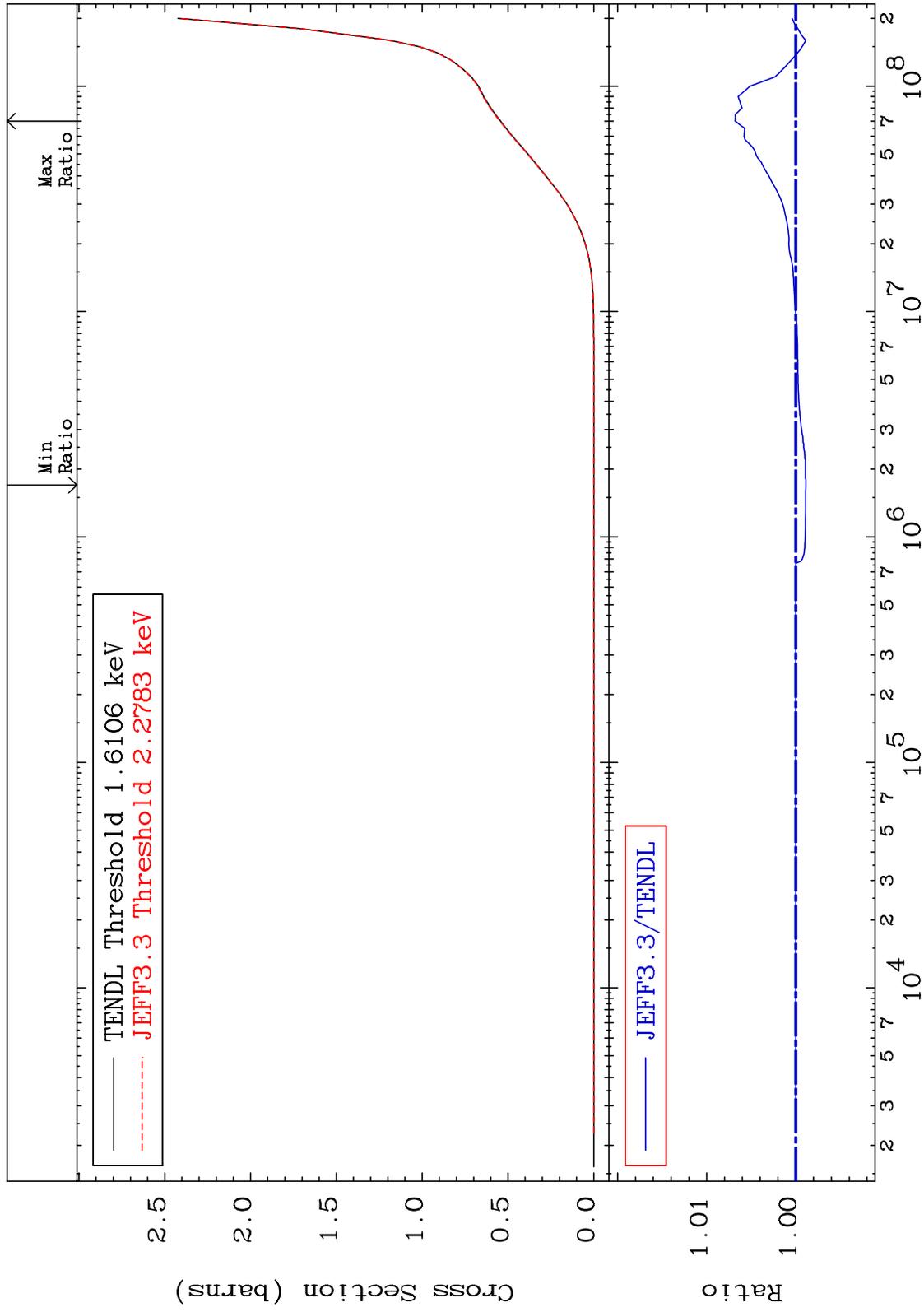
62-Sm-146
To 9999. %
0.000



MAT 6231

Hydrogen Production
Cross Section

62-Sm-146
-0.113 To 0.680 %



63

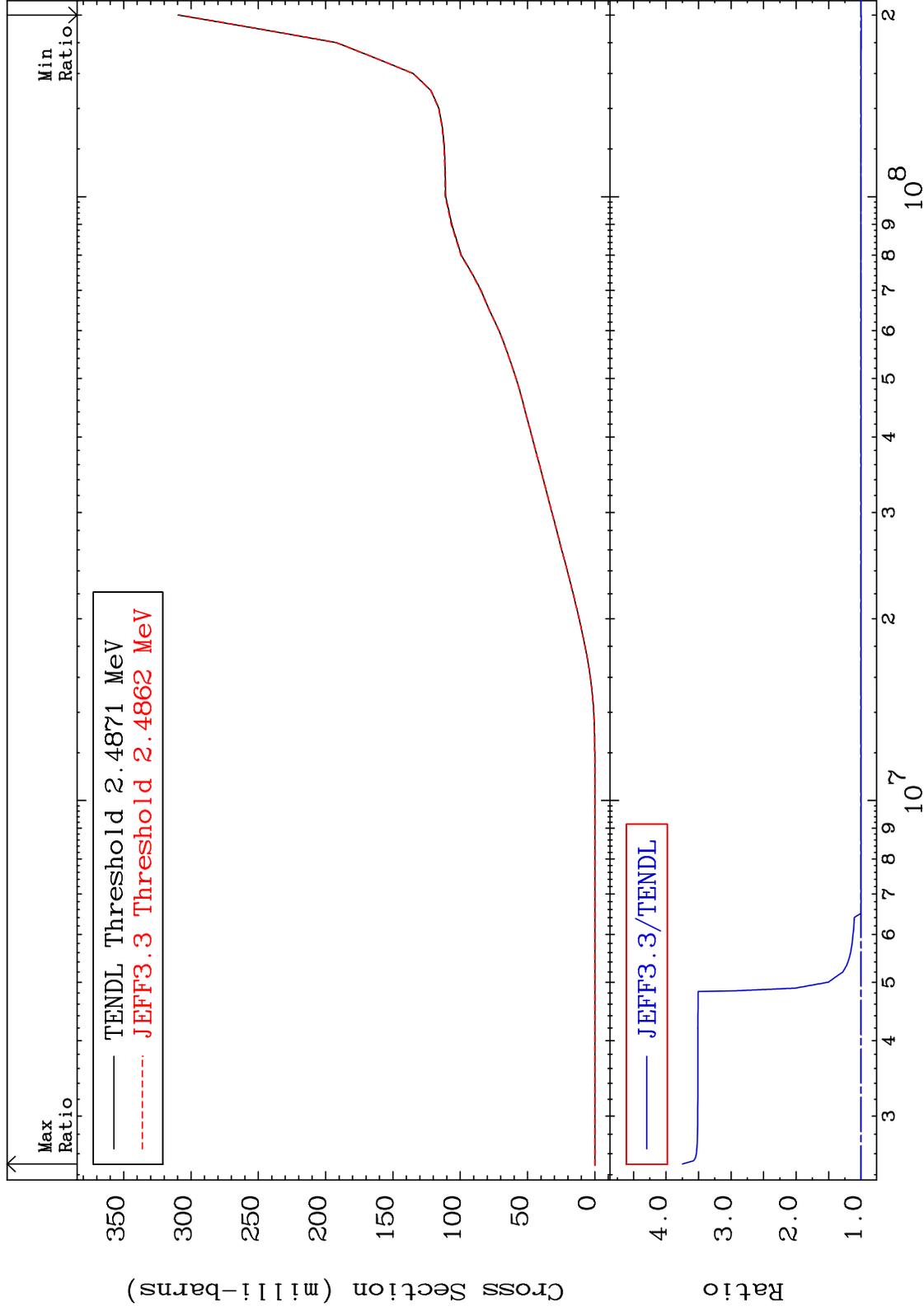
Incident Energy (eV)

62-Sm-146

MAT 6231

Deuterium Production
Cross Section

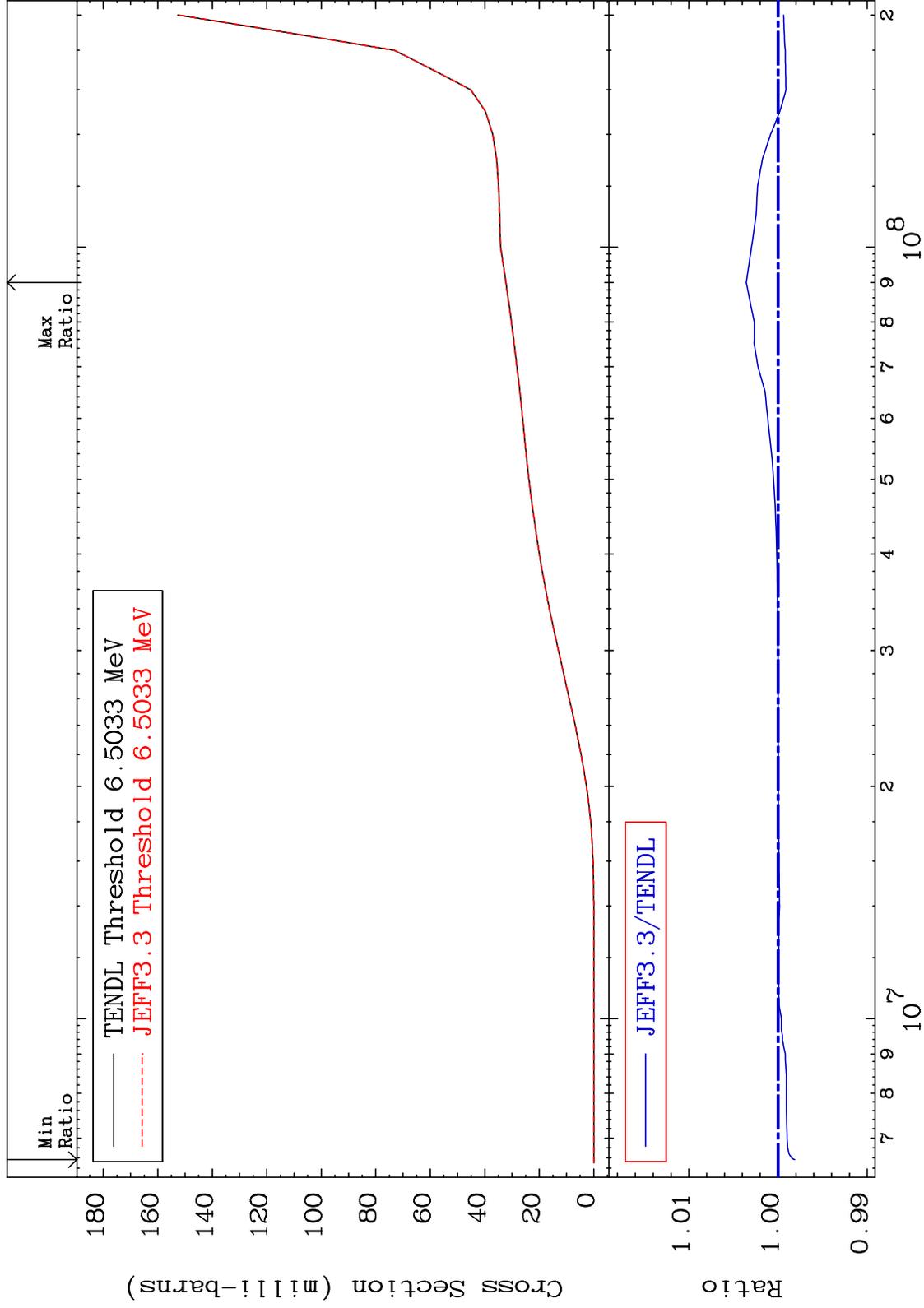
62-Sm-146
-0.336 To 274.8 %



MAT 6231

Tritium Production
Cross Section

62-Sm-146
-0.187 To 0.356 %



65

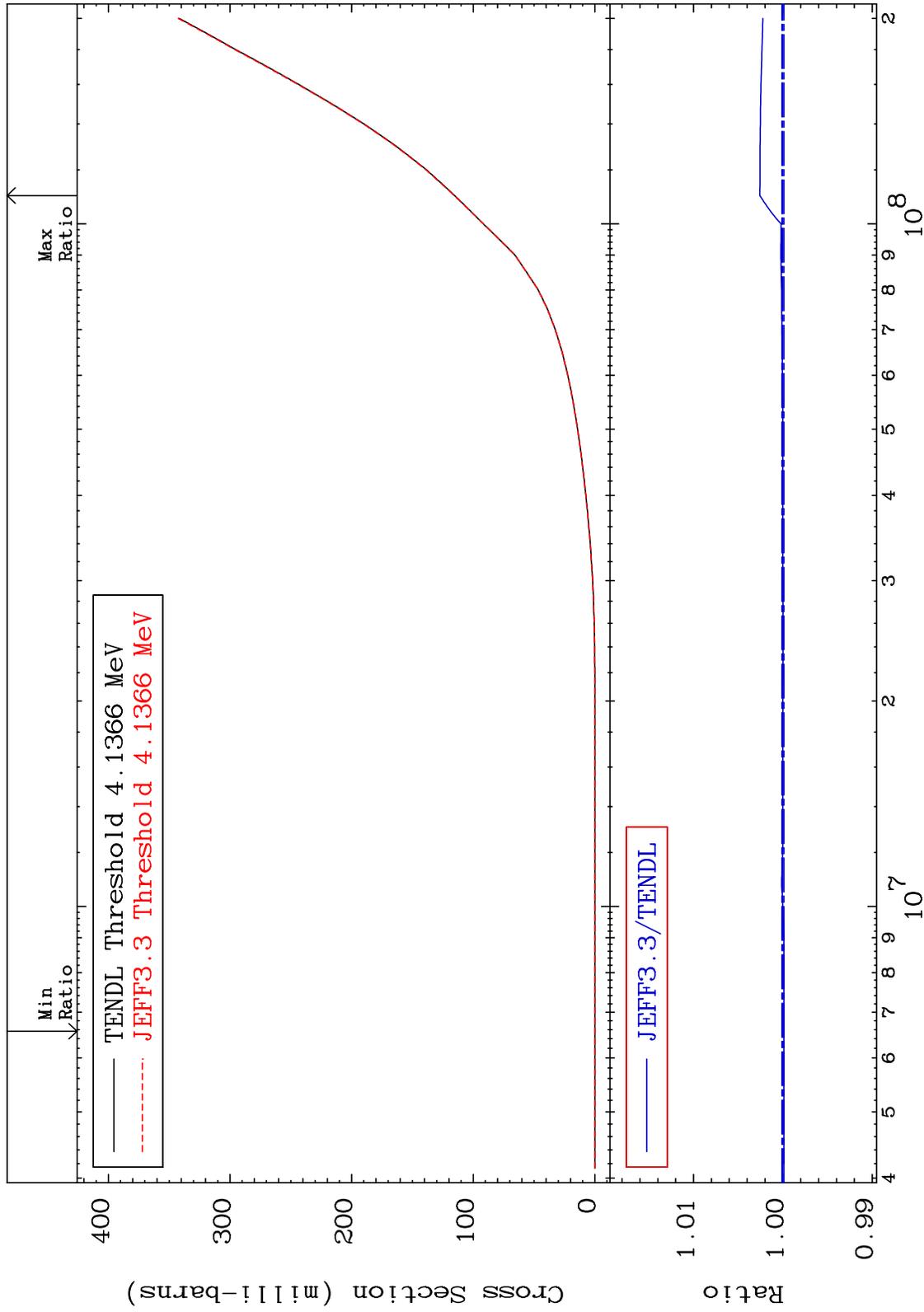
Incident Energy (eV)

62-Sm-146

MAT 6231

He-3 Production
Cross Section

62-Sm-146
-0.011 To 0.257 %



66

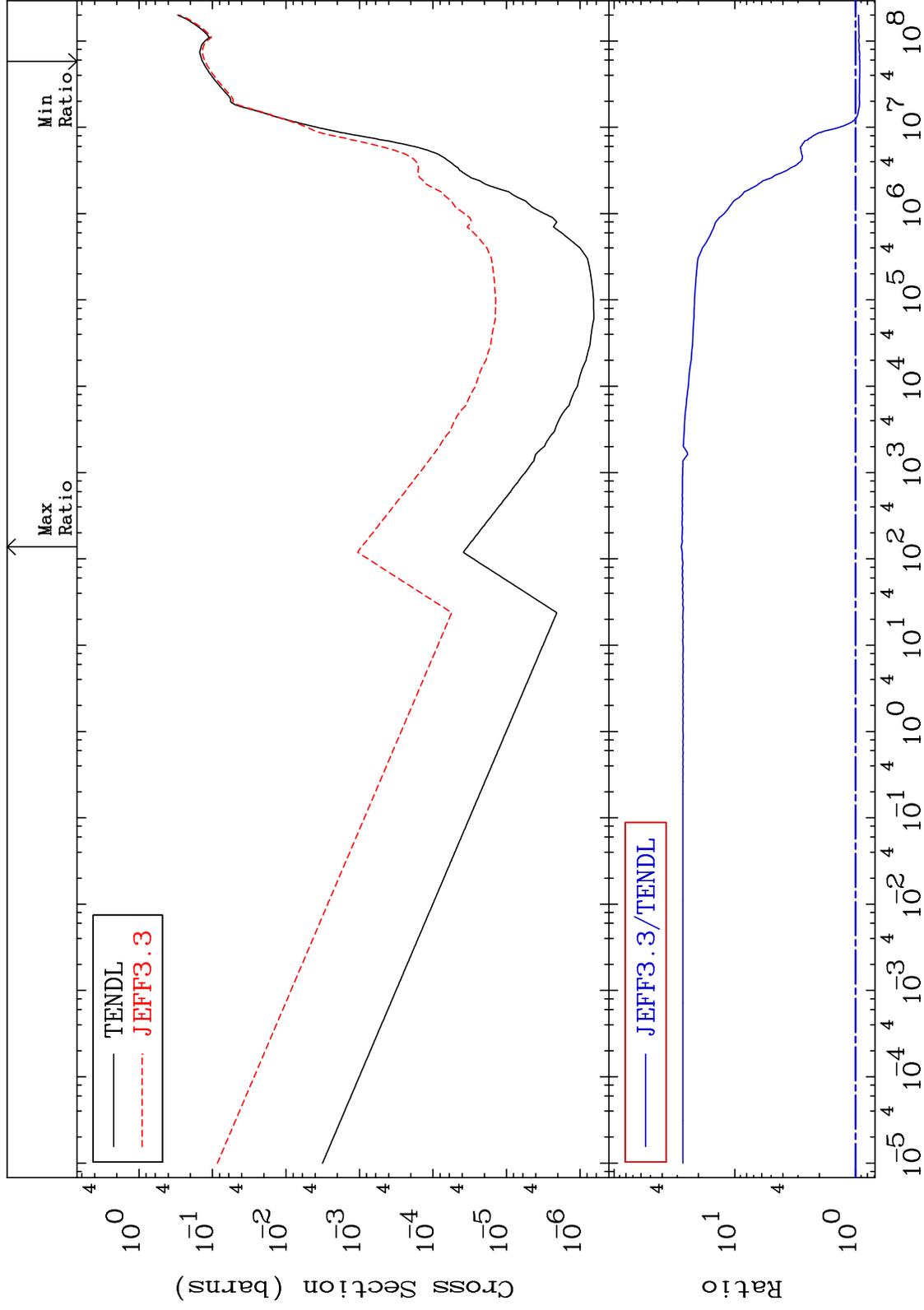
Incident Energy (eV)

62-Sm-146

MAT 6231

He-4 Production
Cross Section

62-Sm-146
-7.694 To 2681. %



67

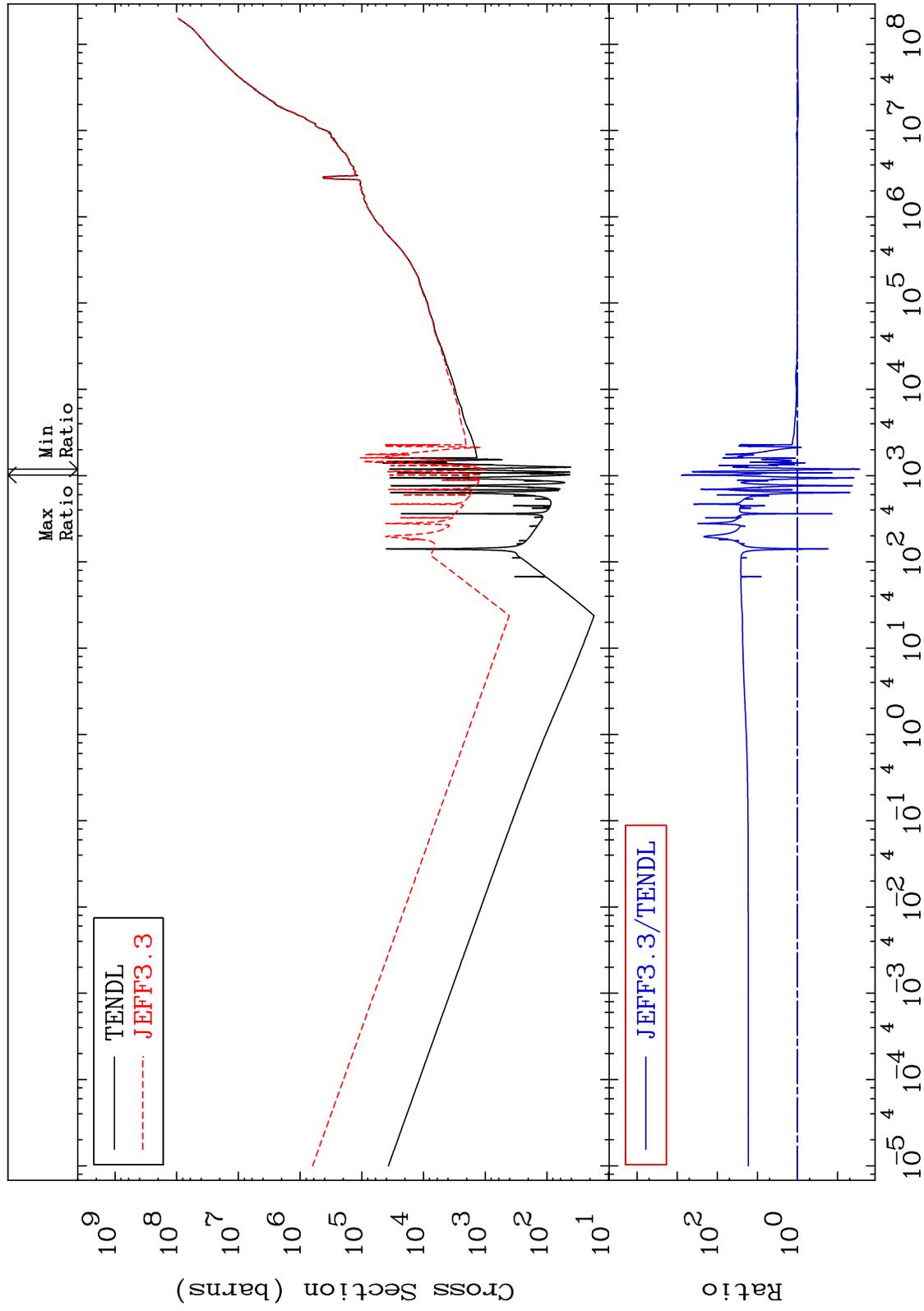
Incident Energy (eV)

62-Sm-146

MAT 6231

Kerma total (eV-barns)
Cross Section

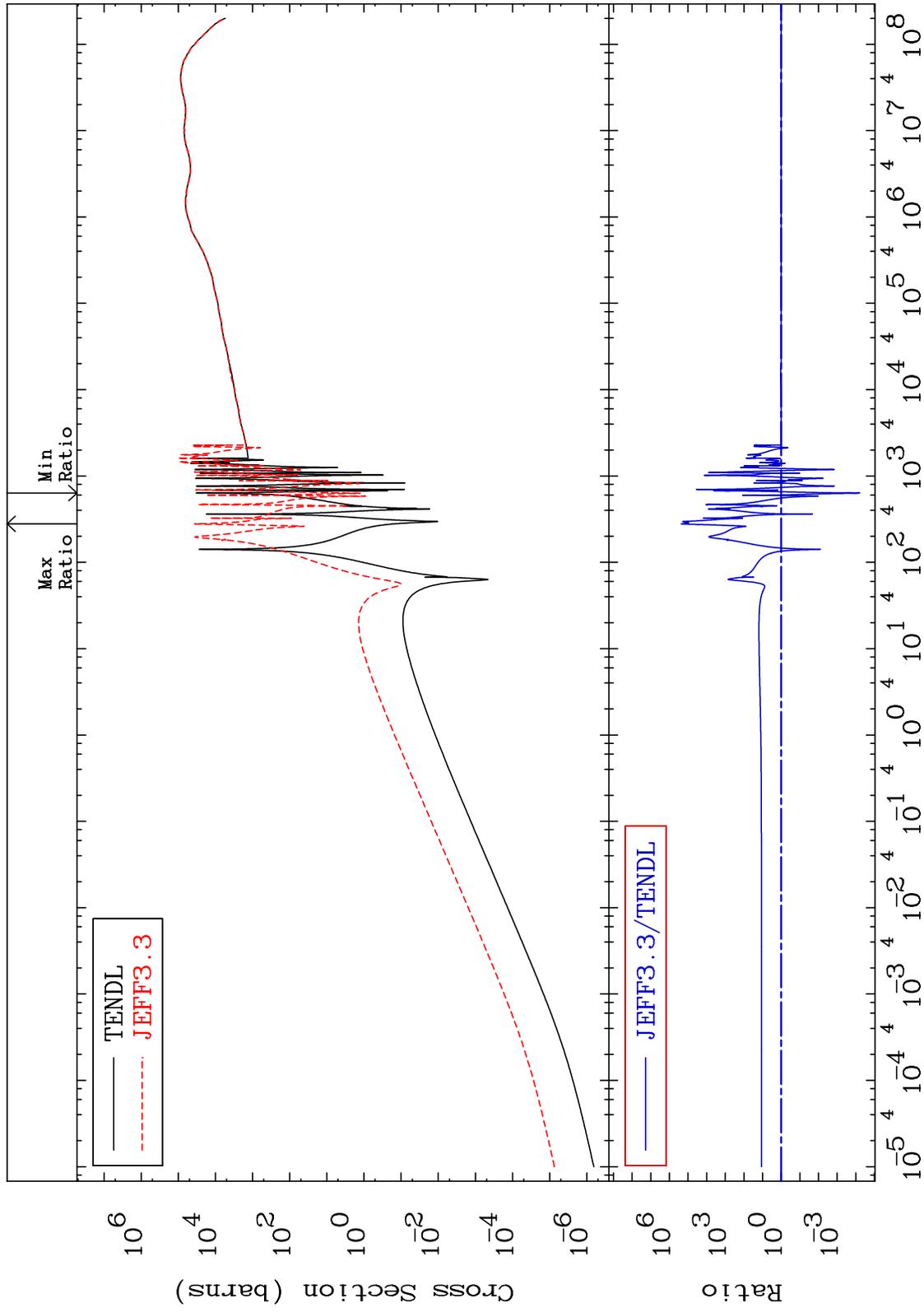
62-Sm-146
-97.21 To 9999. %



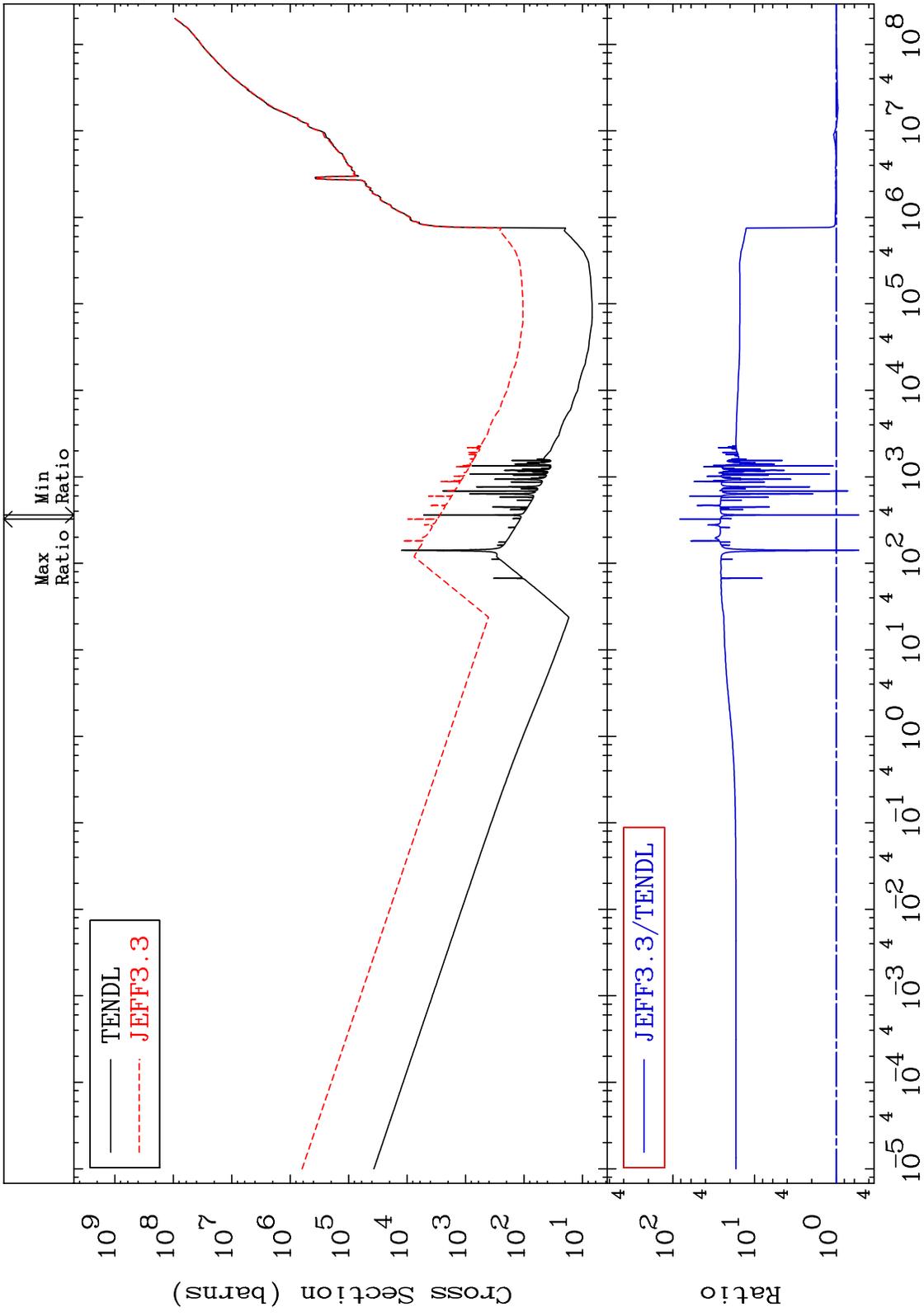
MAT 6231

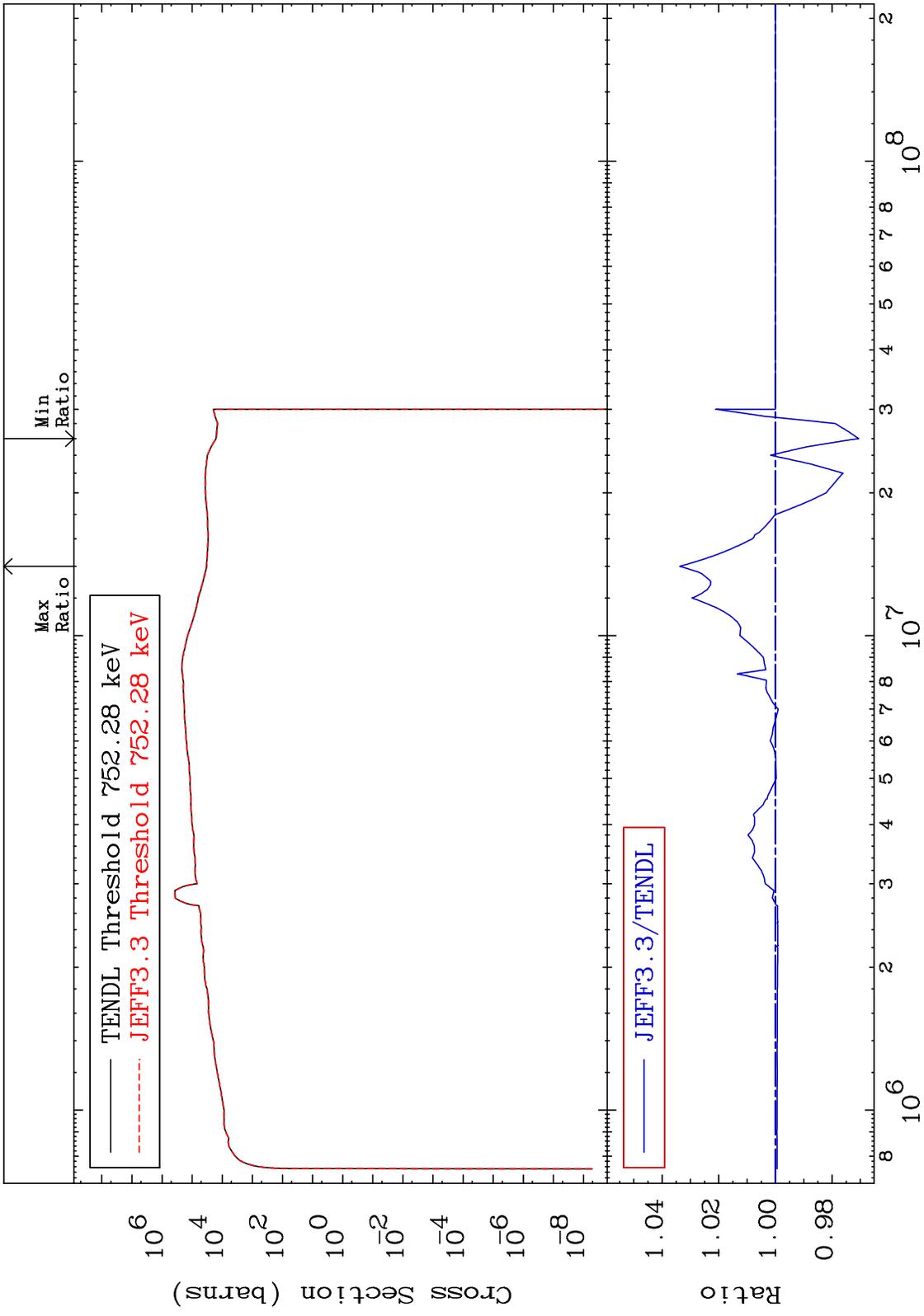
Kerma elastic
Cross Section

62-Sm-146
-99.99 To 9999. %



MAT 6231 Kerma non-elastic (all but mt2) 62-Sm-146
 Cross Section -46.91 To 8148. %

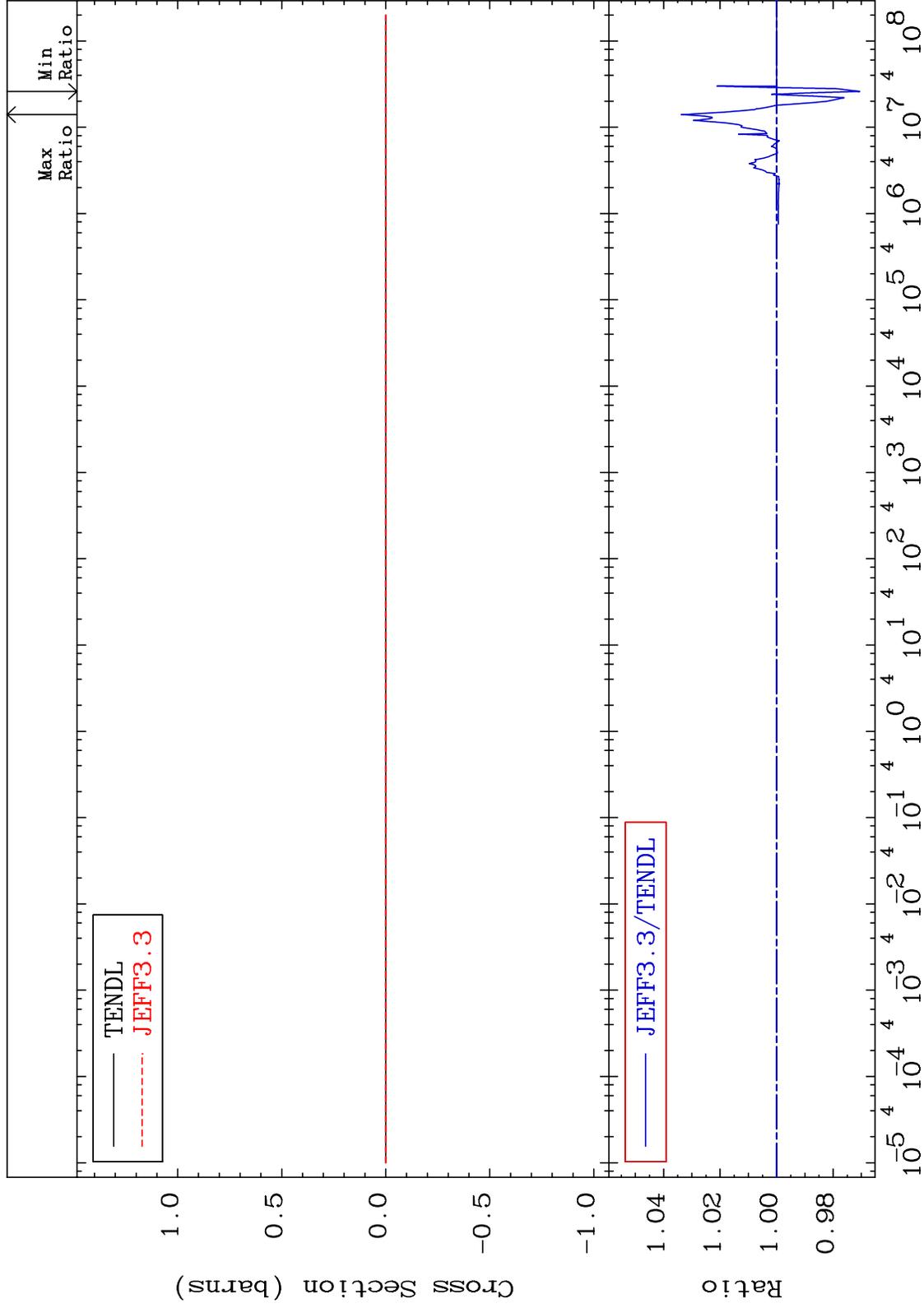




MAT 6231

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

62-Sm-146
-2.945 To 3.377 %



72

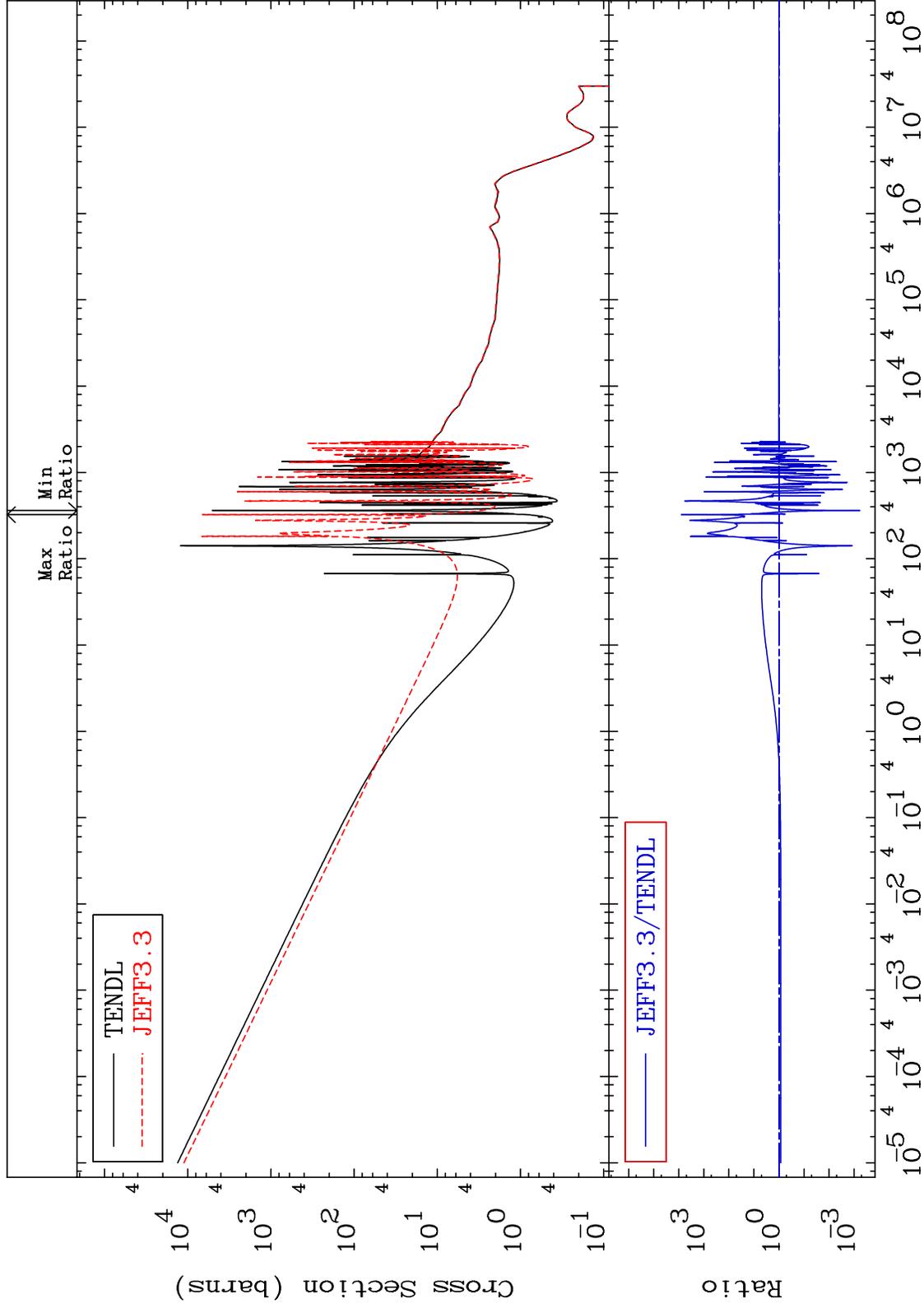
Incident Energy (eV)

62-Sm-146

MAT 6231

Kerma capture (mt102)
Cross Section

62-Sm-146
-99.94 To 9999. %

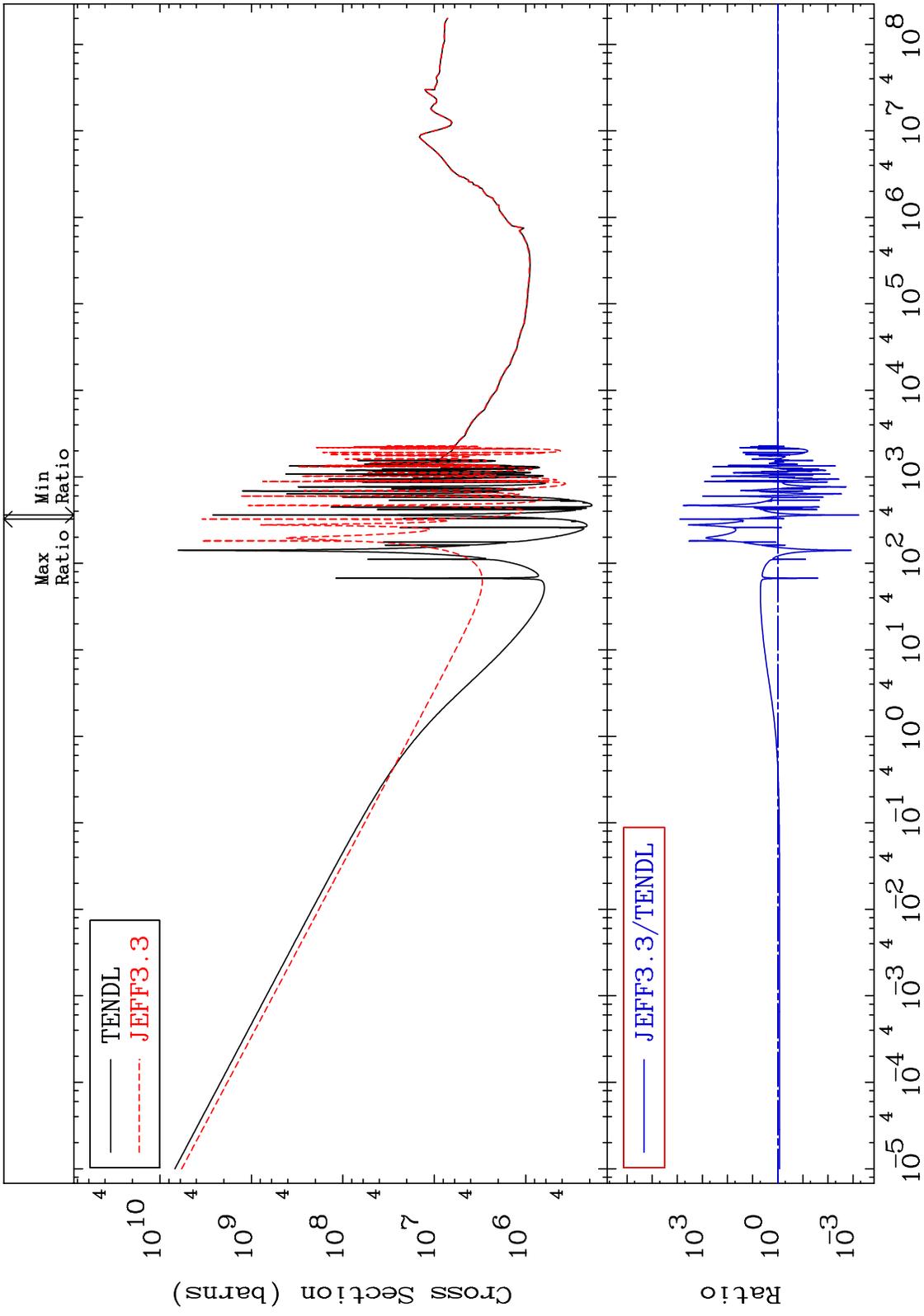


73

Incident Energy (eV)

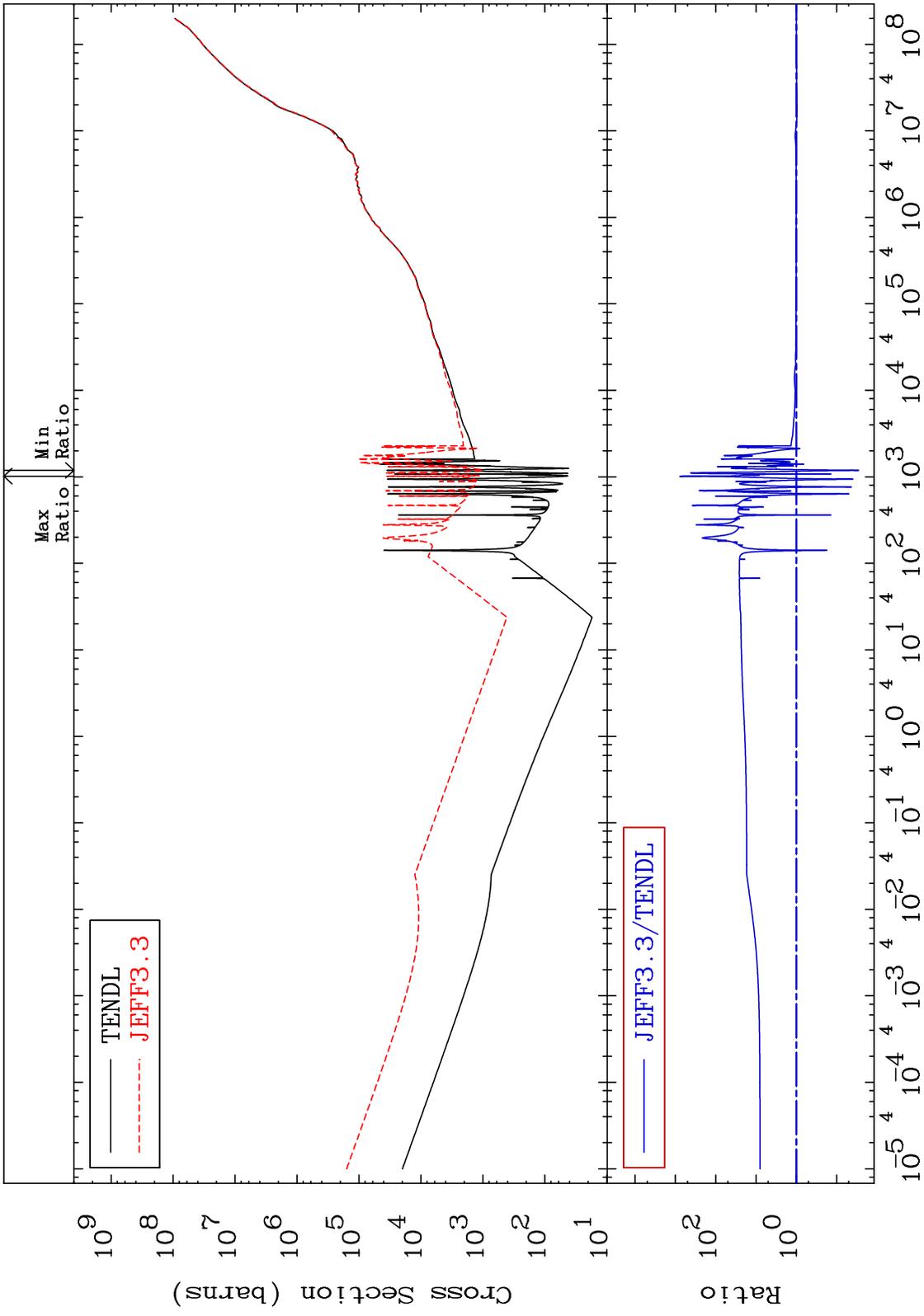
62-Sm-146

MAT 6231 62-Sm-146
-99.94 To 9999. %
 Total photon (eV-barns)
 Cross Section



74 62-Sm-146

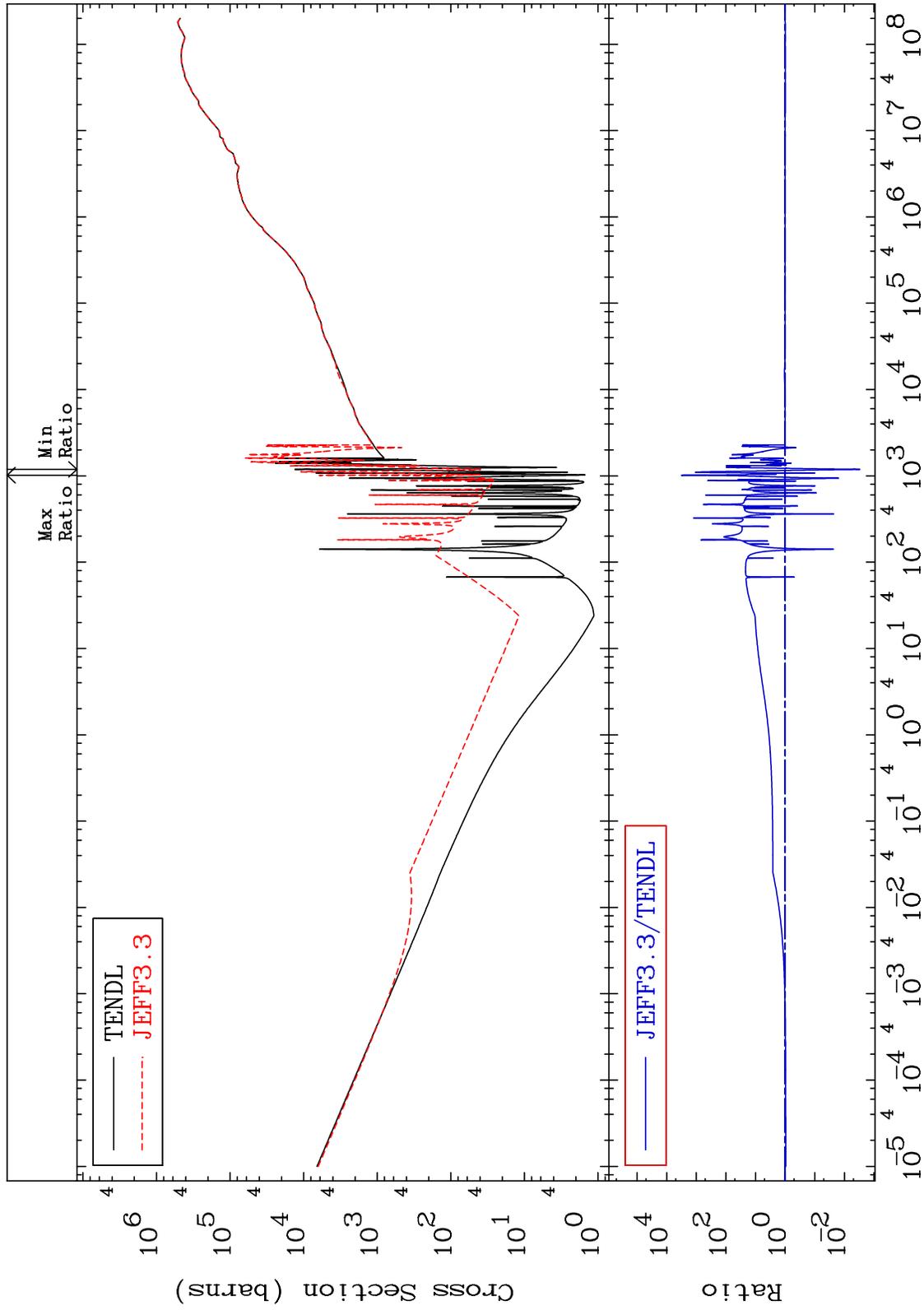
MAT 6231 Total kinematic kerma (high limit) 62-Sm-146
 Cross Section -97.20 To 9999. %



MAT 6231

Dpa total (eV-barns)
Cross Section

62-Sm-146
-99.70 To 9999. %



76

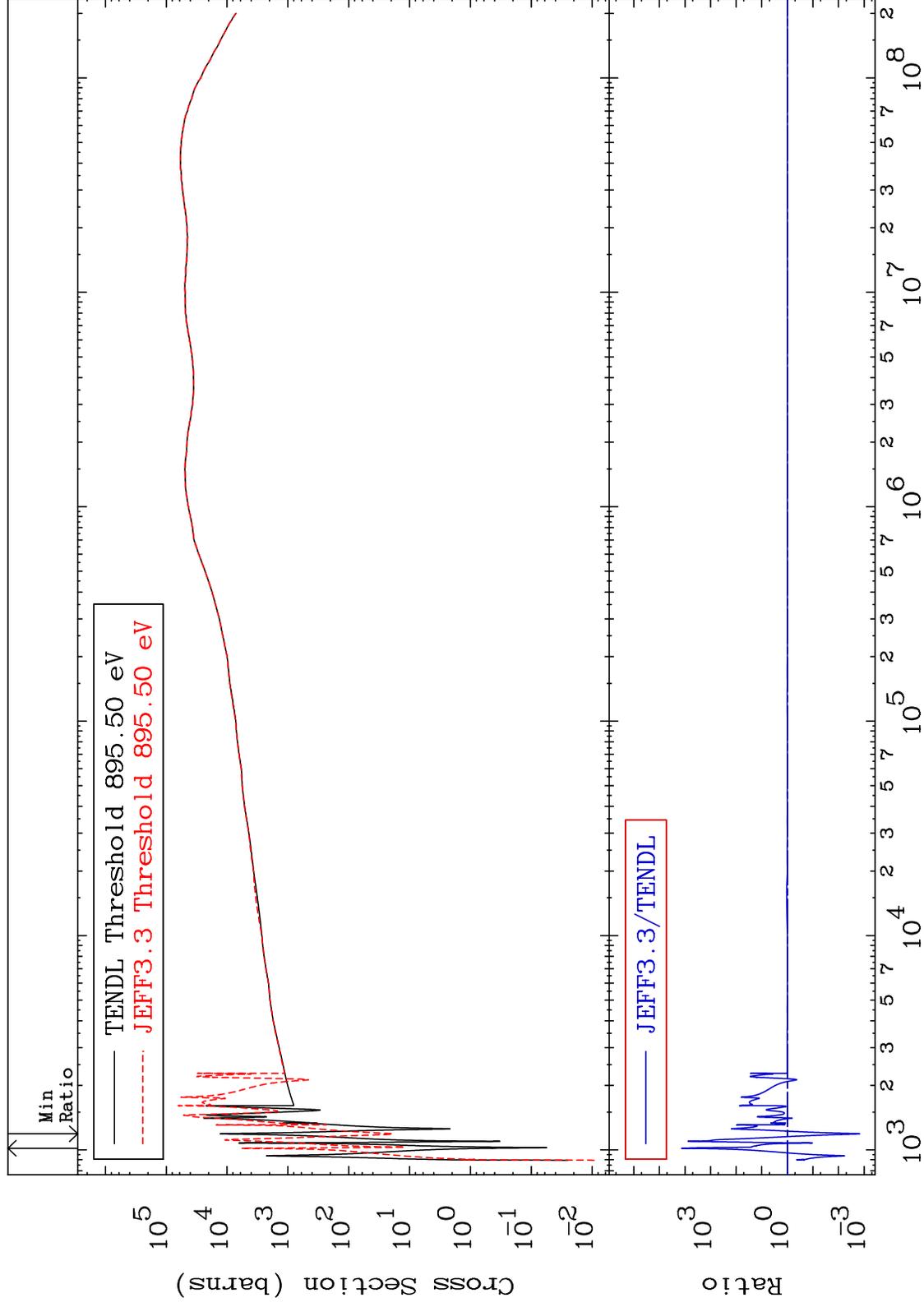
Incident Energy (eV)

62-Sm-146

MAT 6231

Dpa elastic (mt2)
Cross Section

62-Sm-146
-99.85 To 9999. %

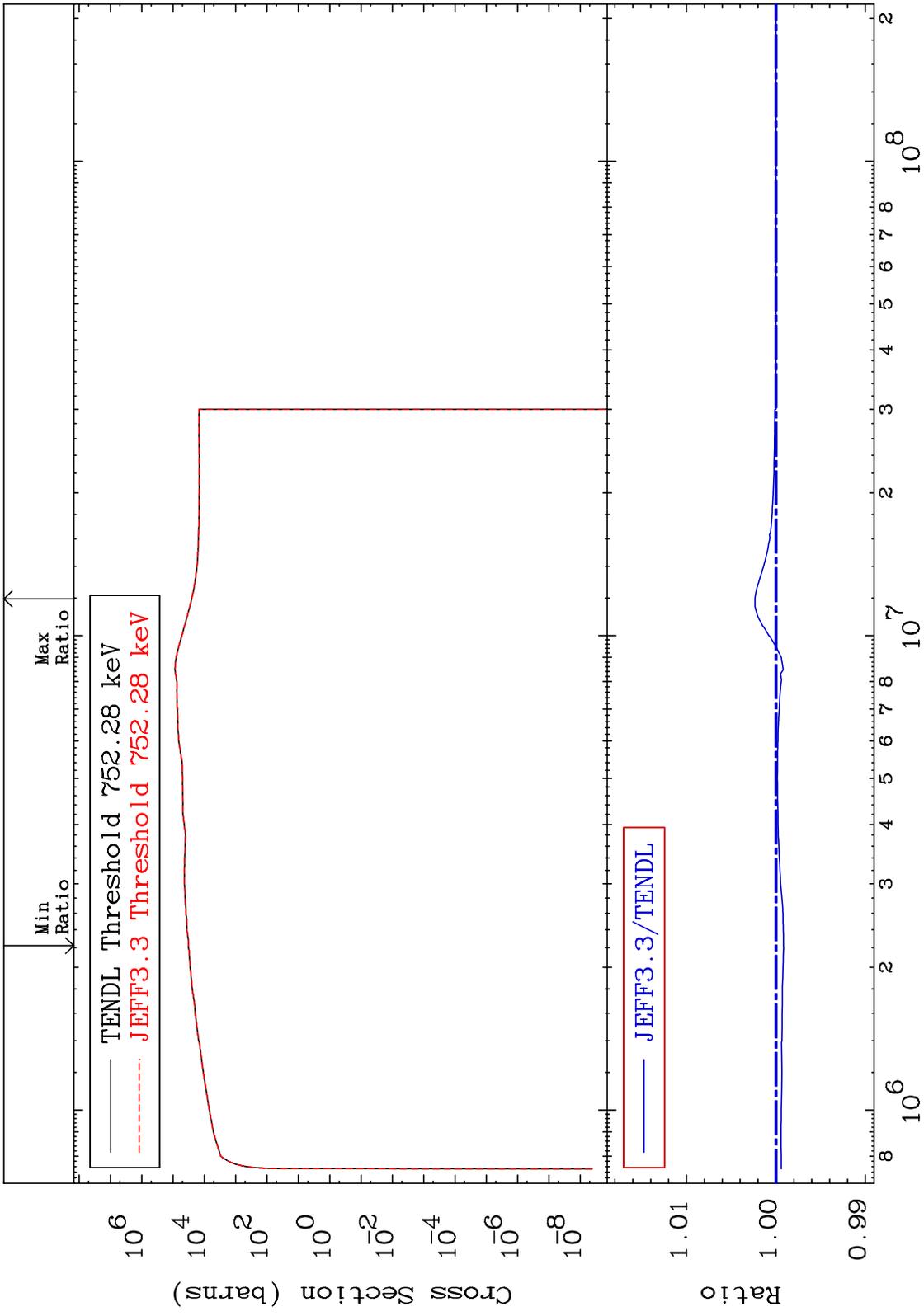


77

Incident Energy (eV)

62-Sm-146

MAT 6231 Dpa inelastic (mt51-91) 62-Sm-146
 Cross Section -0.085 To 0.235 %

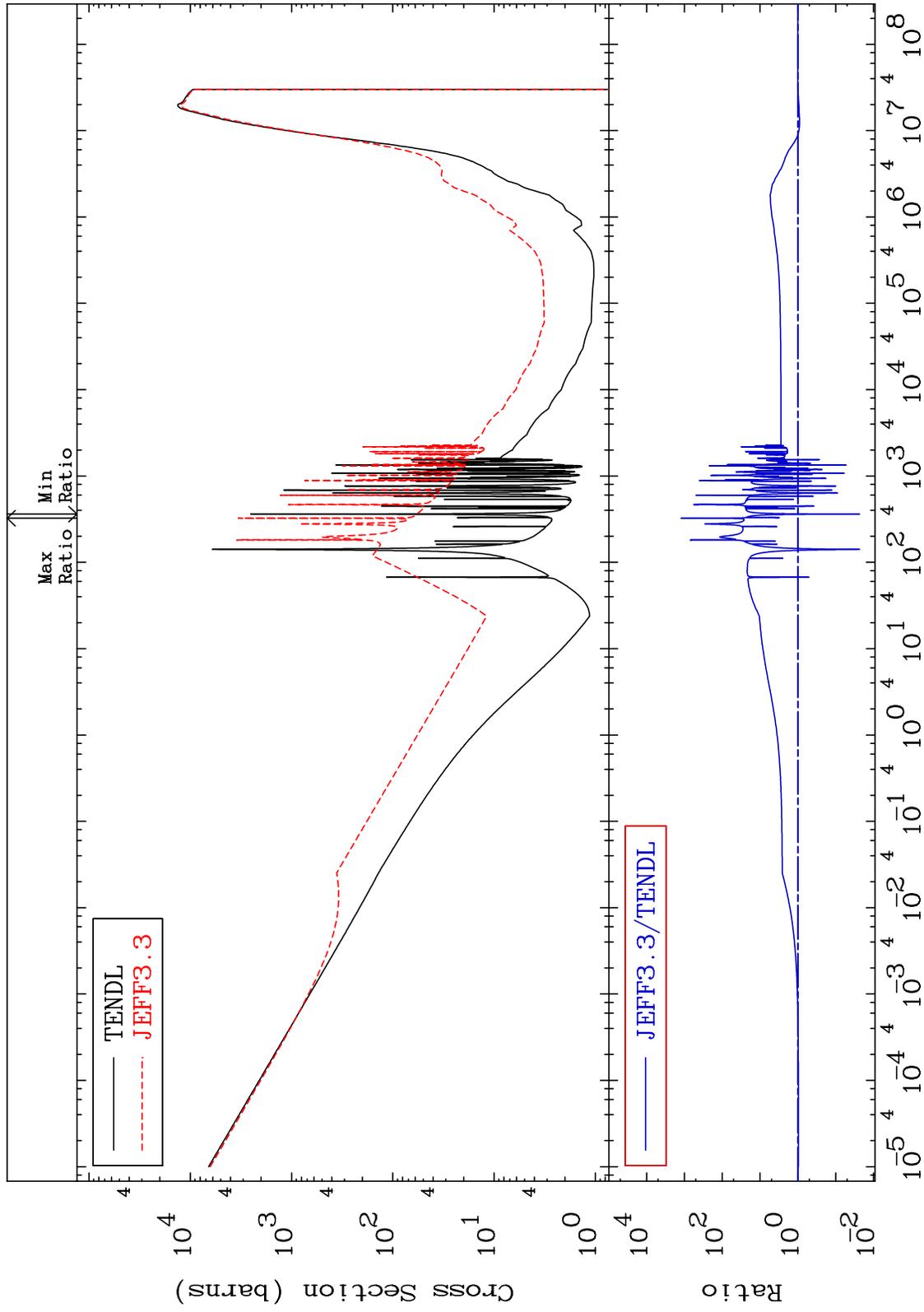


78 62-Sm-146

MAT 6231

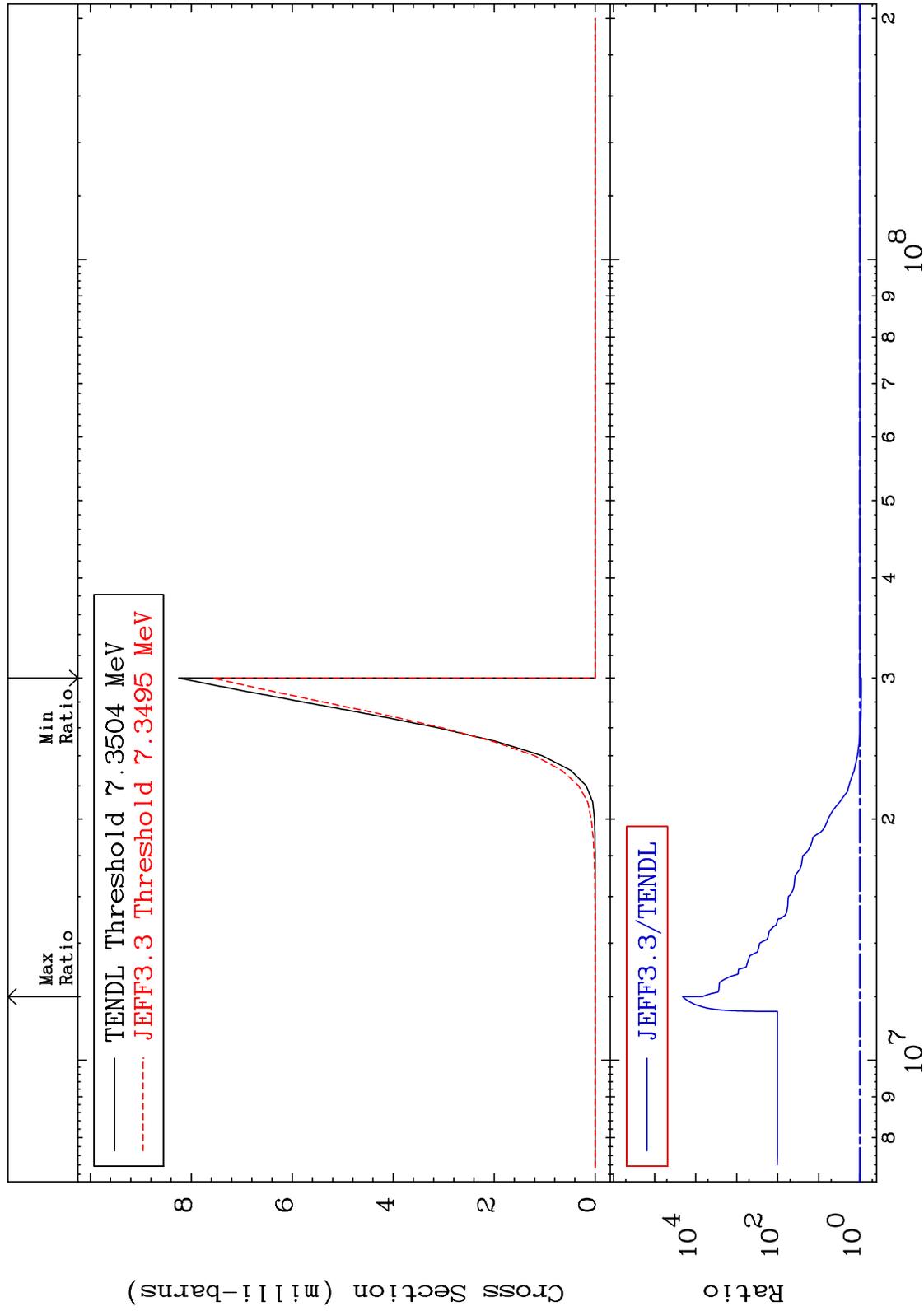
Dpa disappearance (mt102 -120)
Cross Section

62-Sm-146
-97.71 To 9999. %



MAT 6231

(n,2n) α :60-Nd-141g 62-Sm-146
Radionuclide Production Cross Section -8.154 To 9999. %



80

Incident Energy (eV)

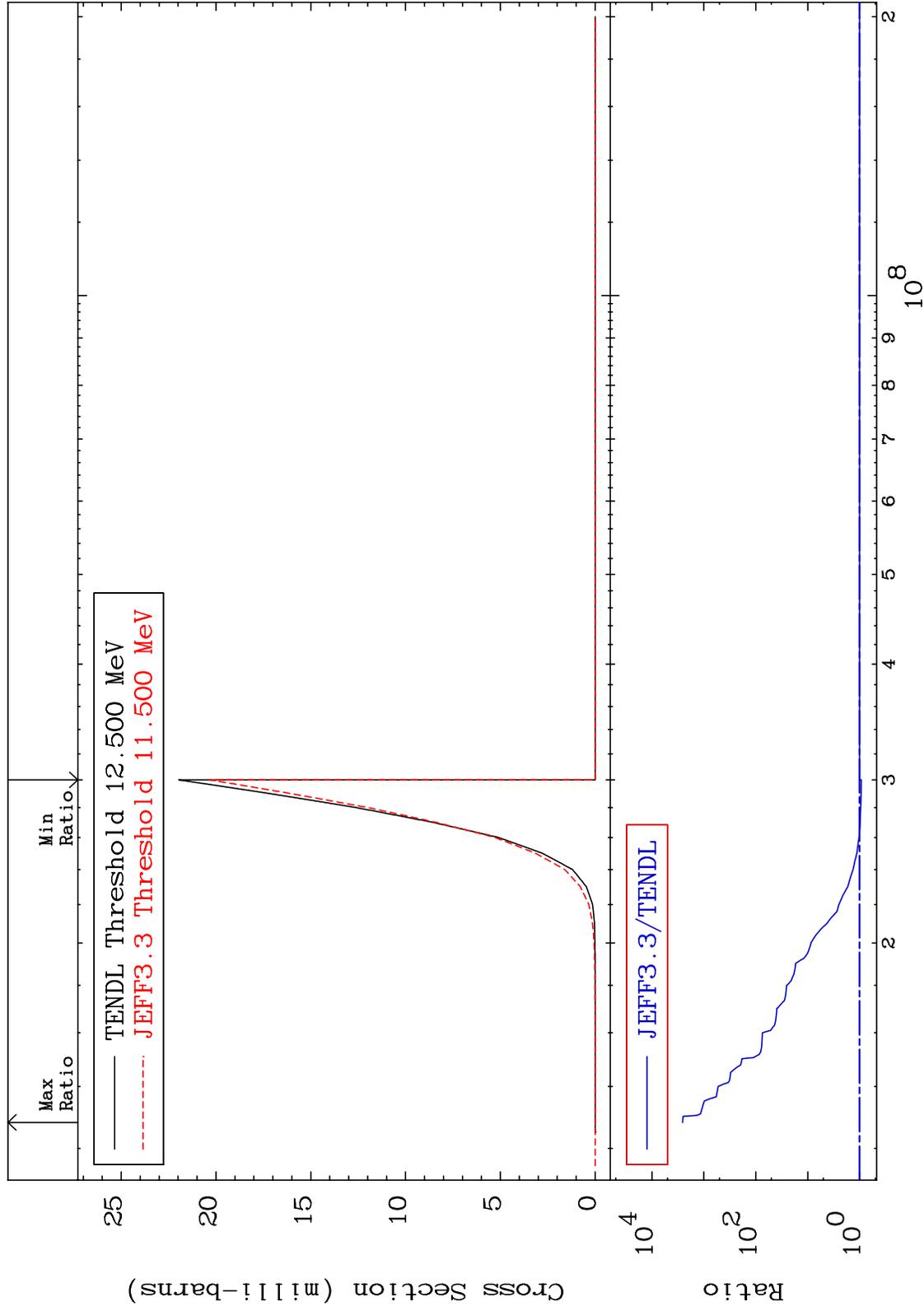
62-Sm-146

MAT 6231

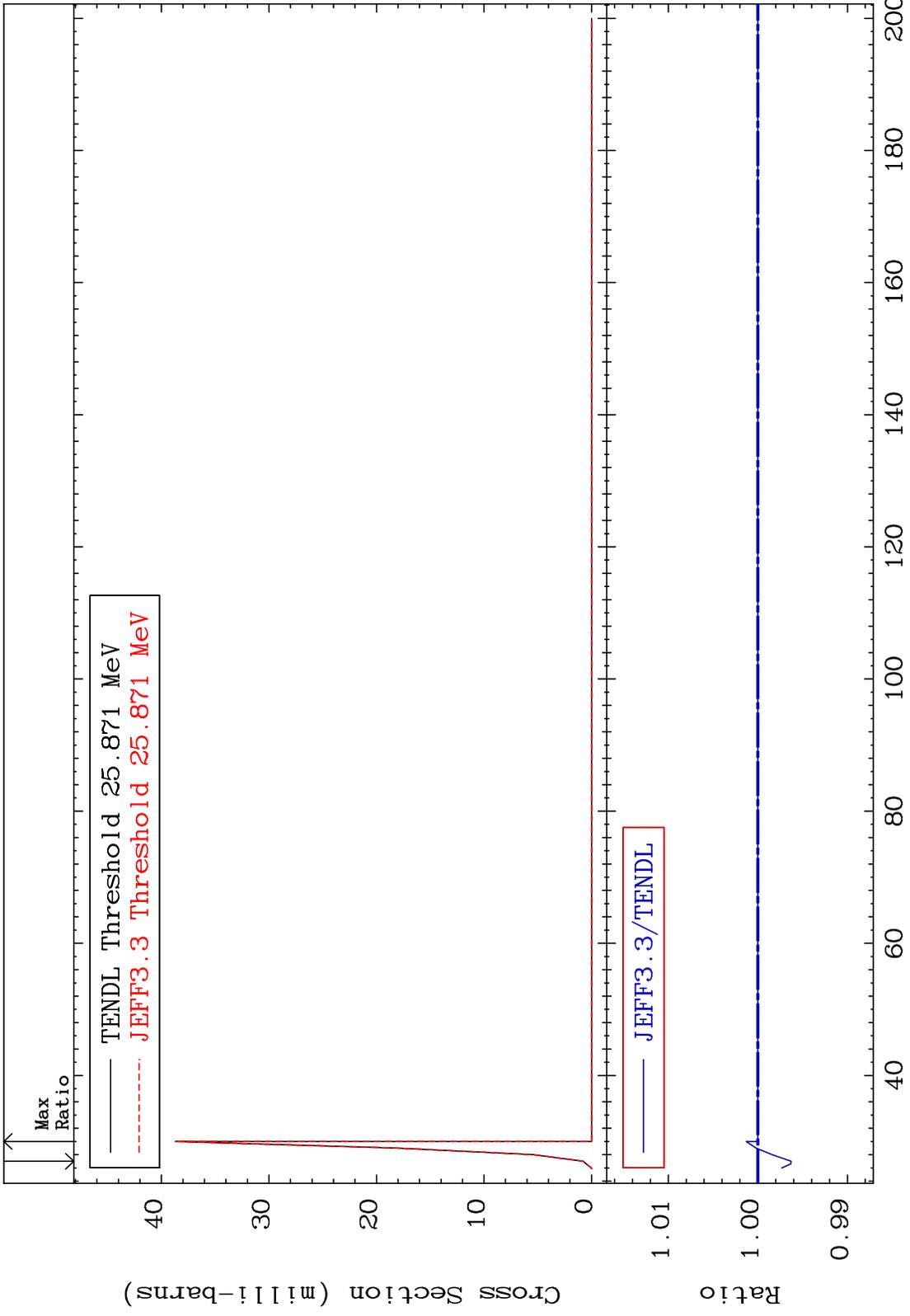
(n,2n) α : 60-Nd-141m2

62-Sm-146

Radionuclide Production Cross Section -7.452 To 9999. %



MAT 6231 (n,4n):62-Sm-143g 62-Sm-146
 Radionuclide Production Cross Section -0.370 To 0.130 %

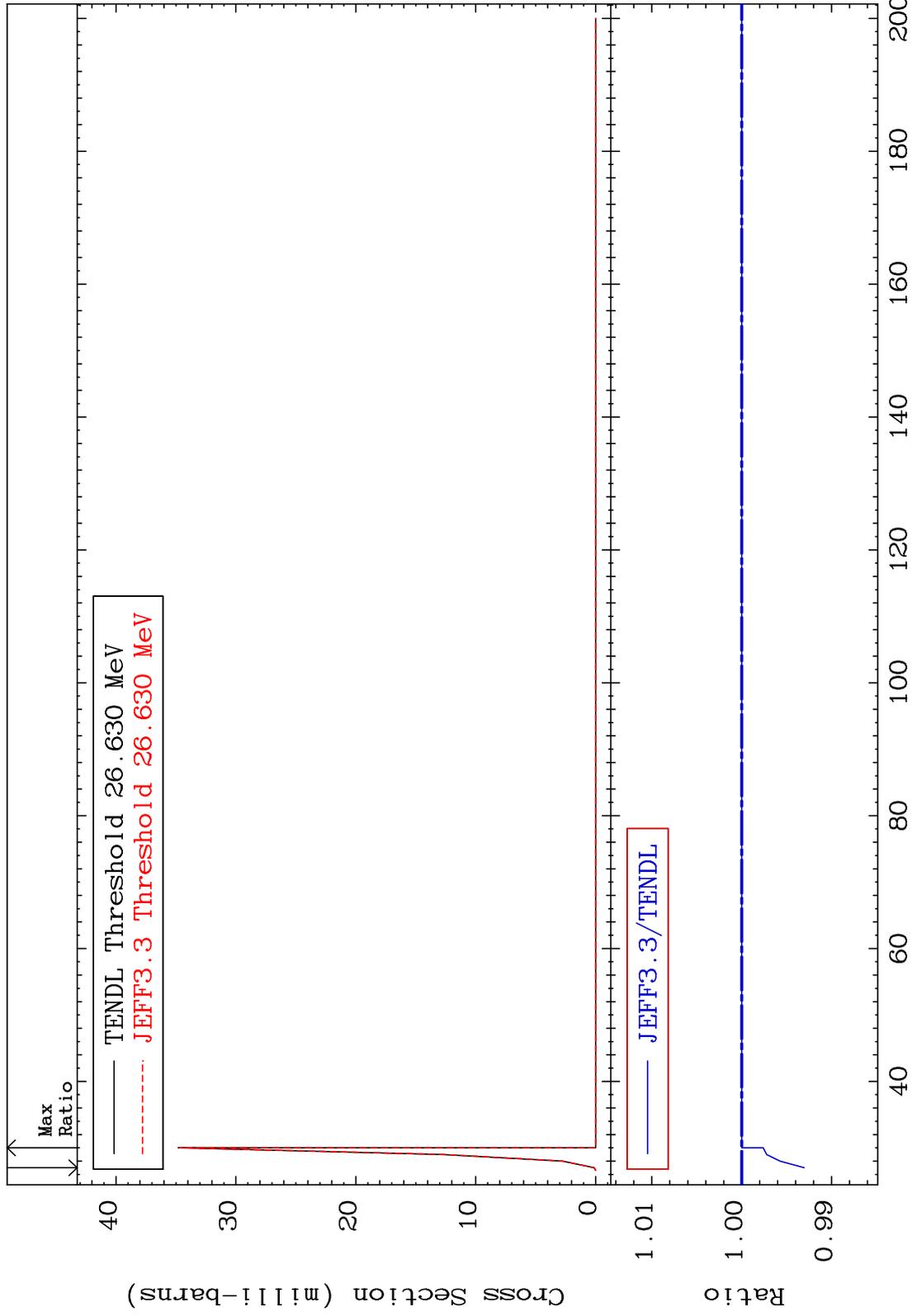


MAT 6231

(n, 4n) : 62-Sm-143m2

62-Sm-146

Radionuclide Production Cross Section -0.694 To 0.000 %



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Incident Energy (MeV)

62-Sm-146