

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

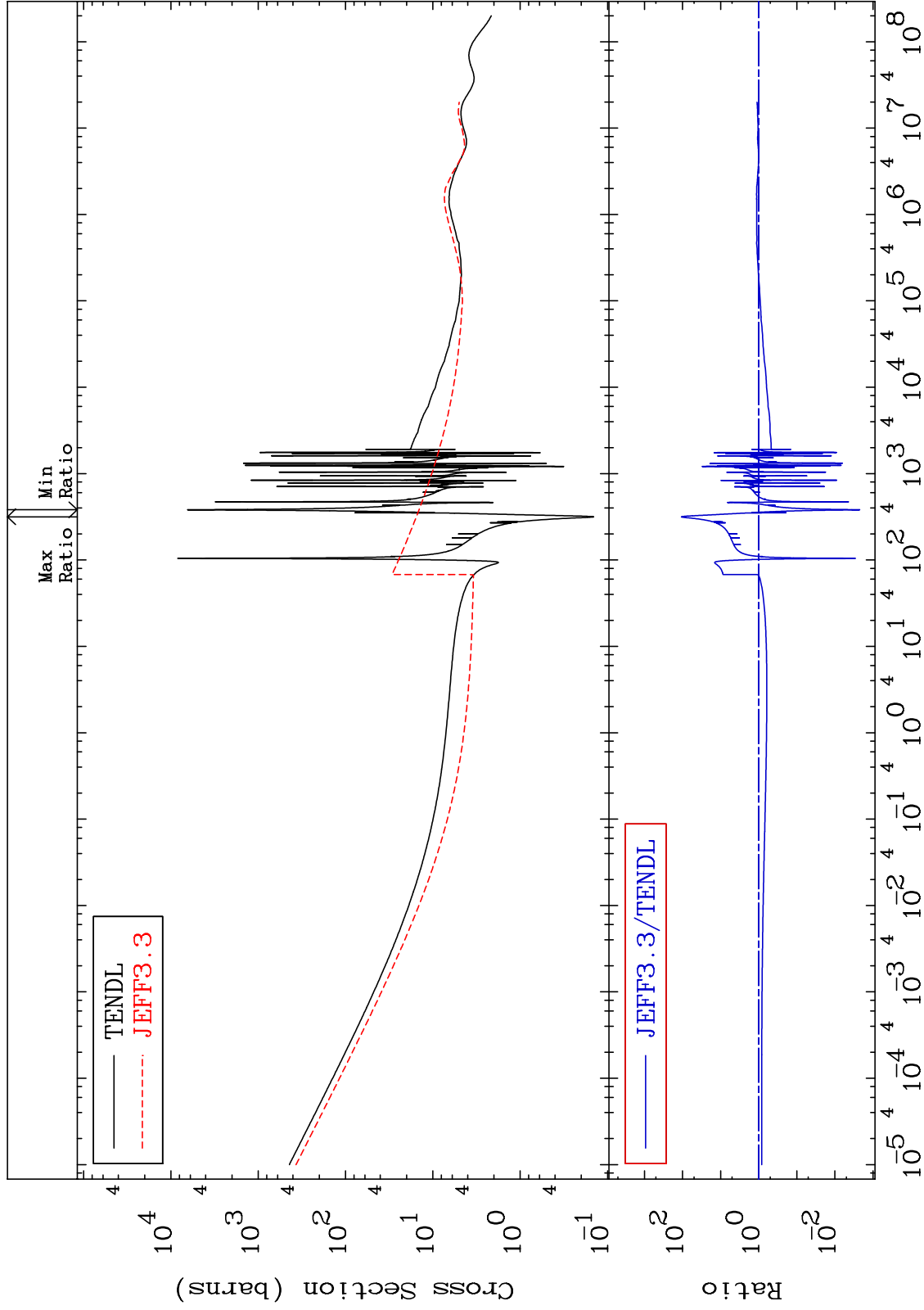
MAT 5631

Total

56-Ba-132

Cross Section

-99.78 To 9999. %



Incident Energy (eV)

56-Ba-132

1

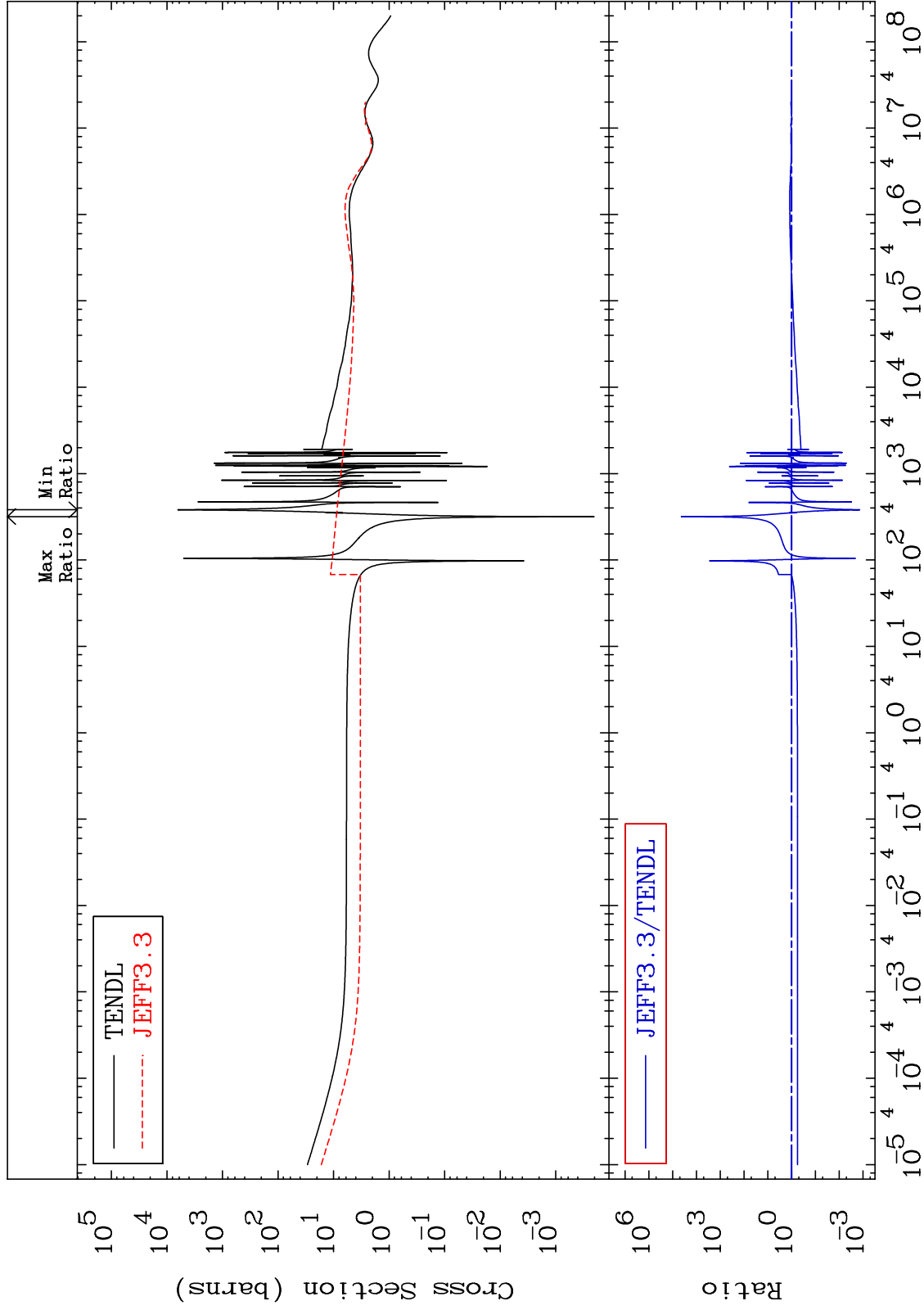
MAT 5631

Elastic

56-Ba-132

Cross Section

-99.86 To 9999. %

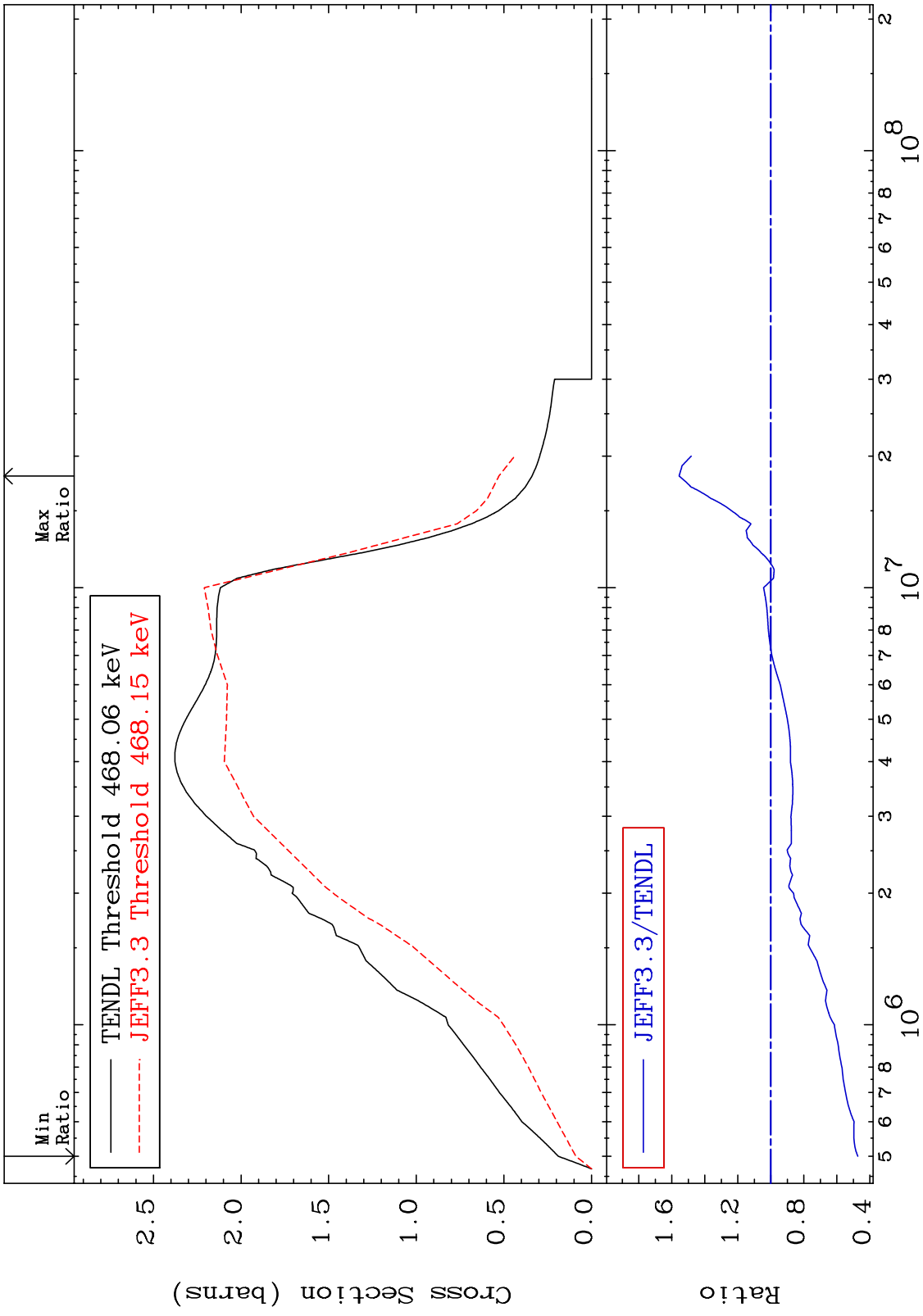


2

Incident Energy (eV)

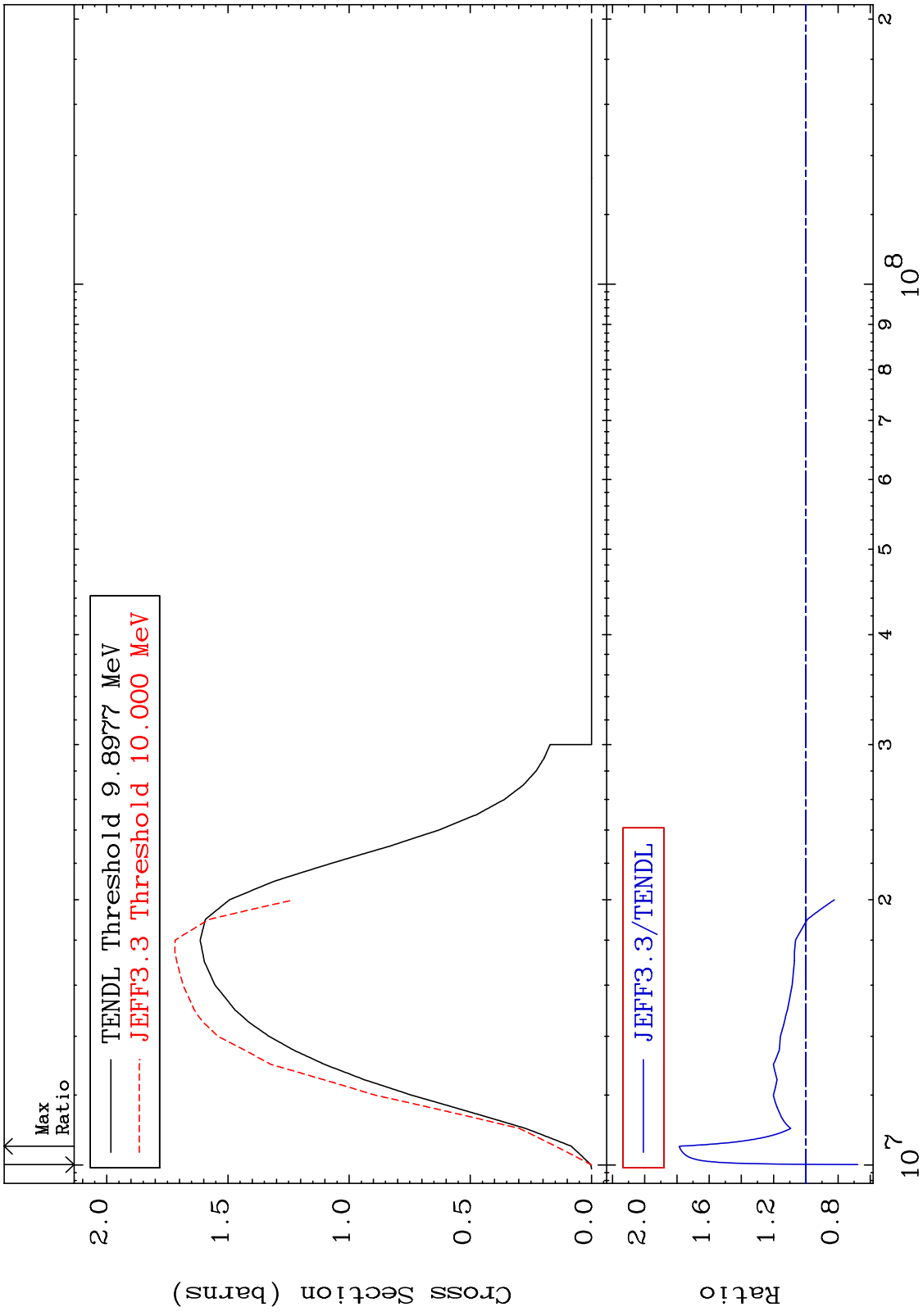
56-Ba-132

MAT 5631 Inelastic Cross Section 56-Ba-132 -52.74 To 55.63 %



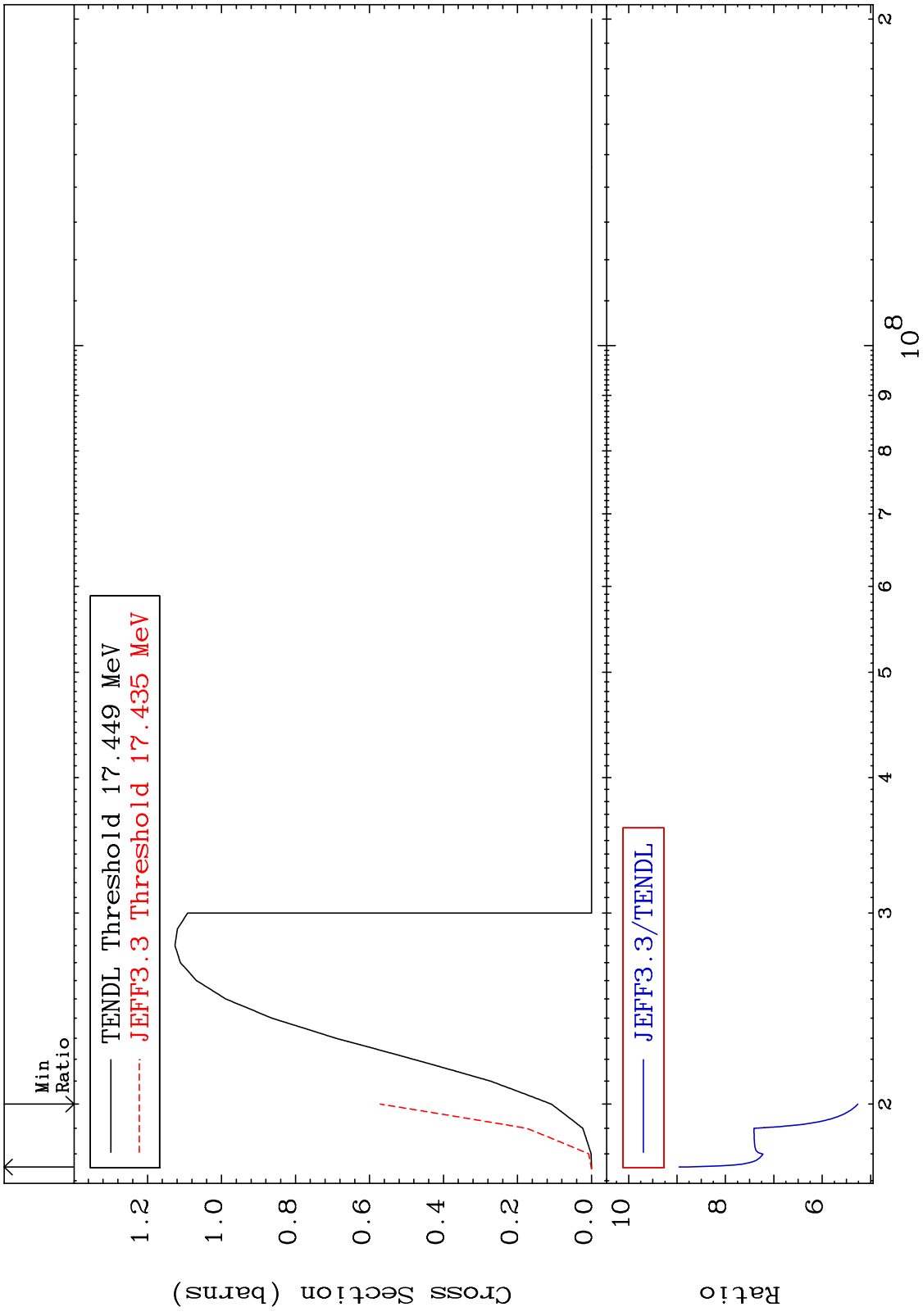
3 56-Ba-132

MAT 5631 (n,2n) Cross Section 56-Ba-132 -32.28 To 78.68 %



56-Ba-132

MAT 5631 (n,3n) Cross Section 56-Ba-132 426.4 To 795.8 %



5 Incident Energy (eV) 56-Ba-132

MAT 5631

(n, n') α

56-Ba-132

96.17 To 9999. %

Cross Section

Max Ratio Min Ratio

— TENDL Threshold 1.0073 MeV
- - - JEFF3.3 Threshold 1.0215 MeV

Cross Section (milli-barns)

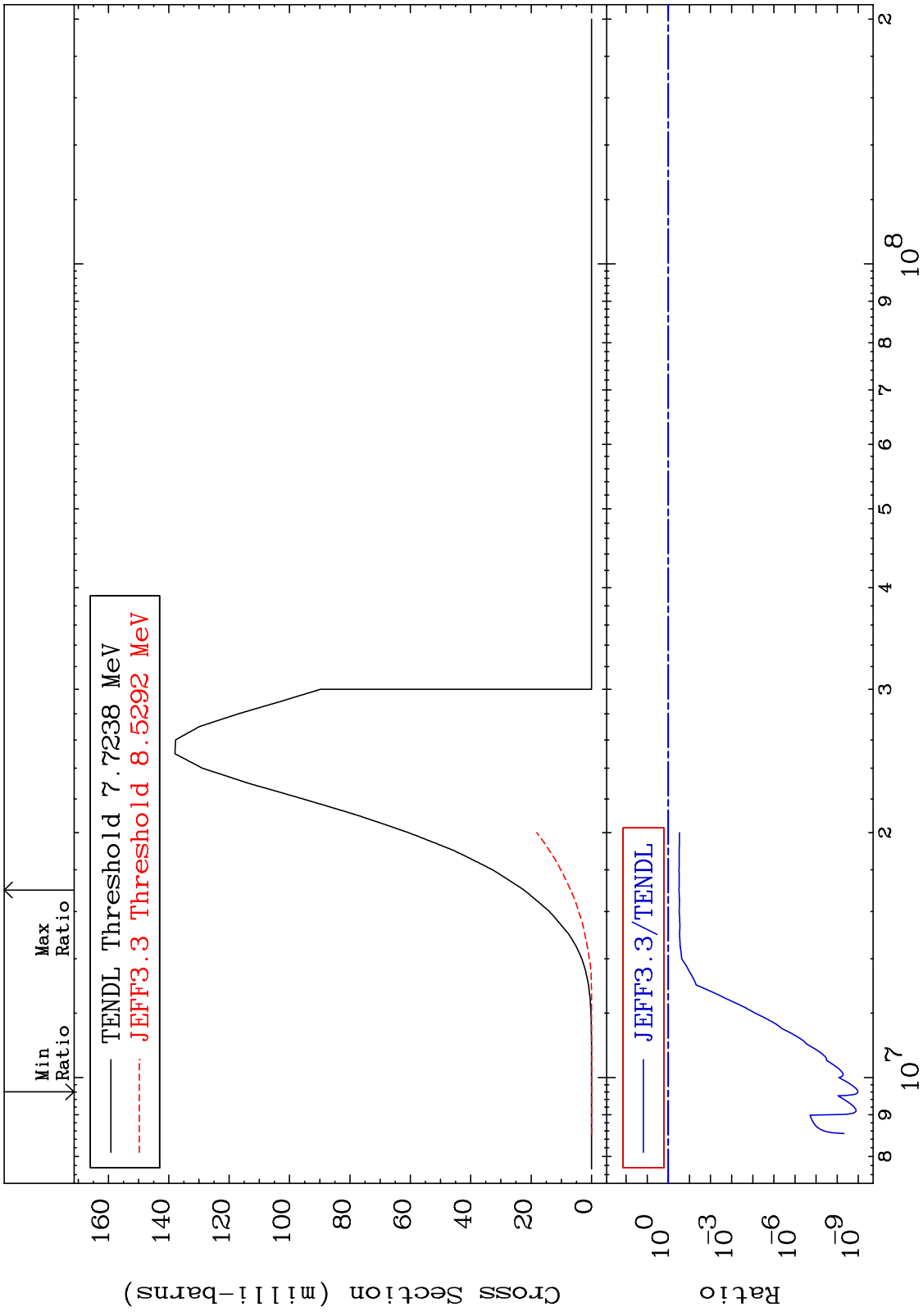
— JEFF3.3/TENDL

Ratio

Incident Energy (eV)

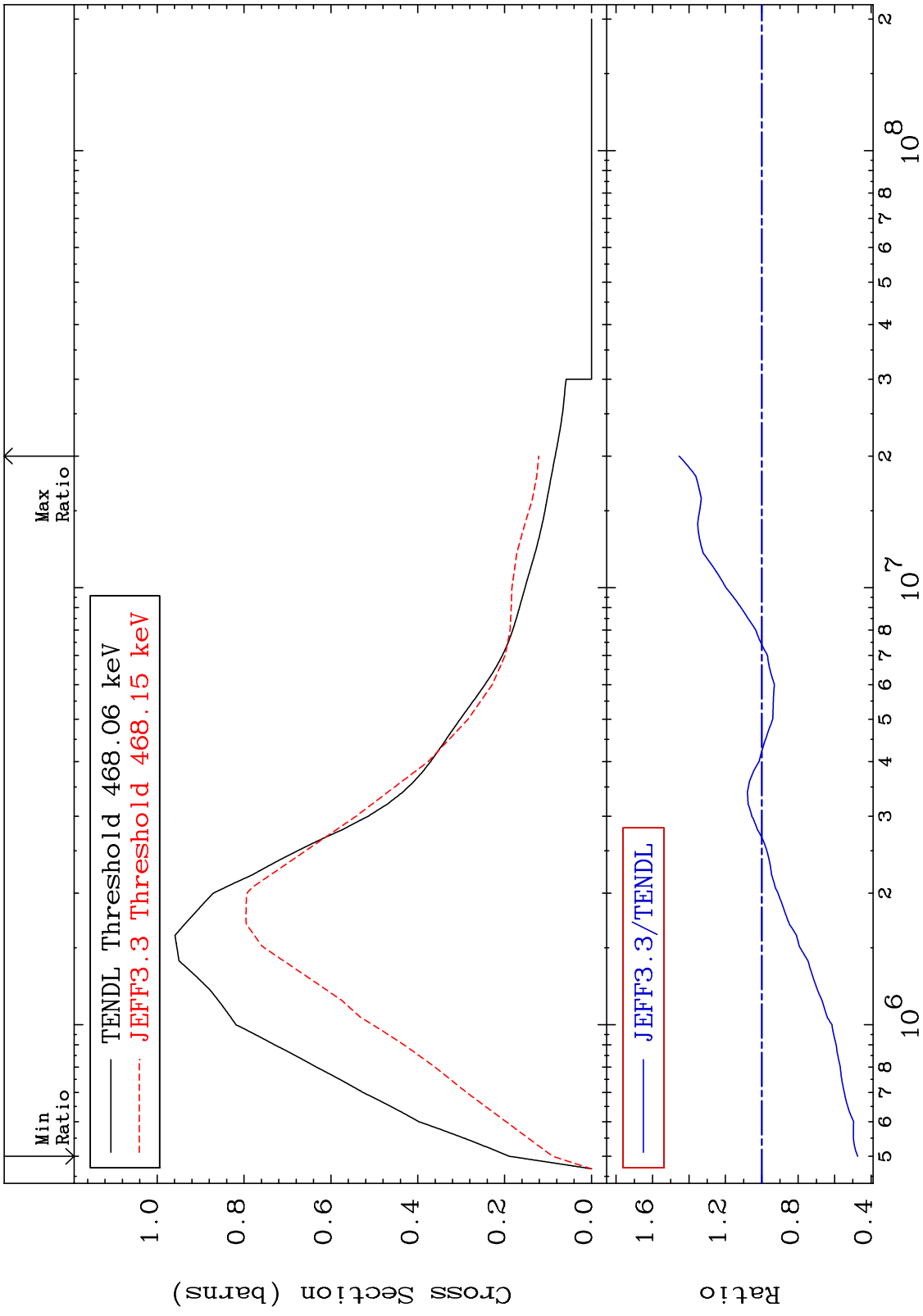
56-Ba-132

MAT 5631 56-Ba-132
(n, n') p
-100.0 To -68.89%
 Cross Section



Incident Energy (eV) 56-Ba-132

MAT 5631 MT= 51 (n,n') Level Cross Section 56-Ba-132 -52.74 To 45.43 %

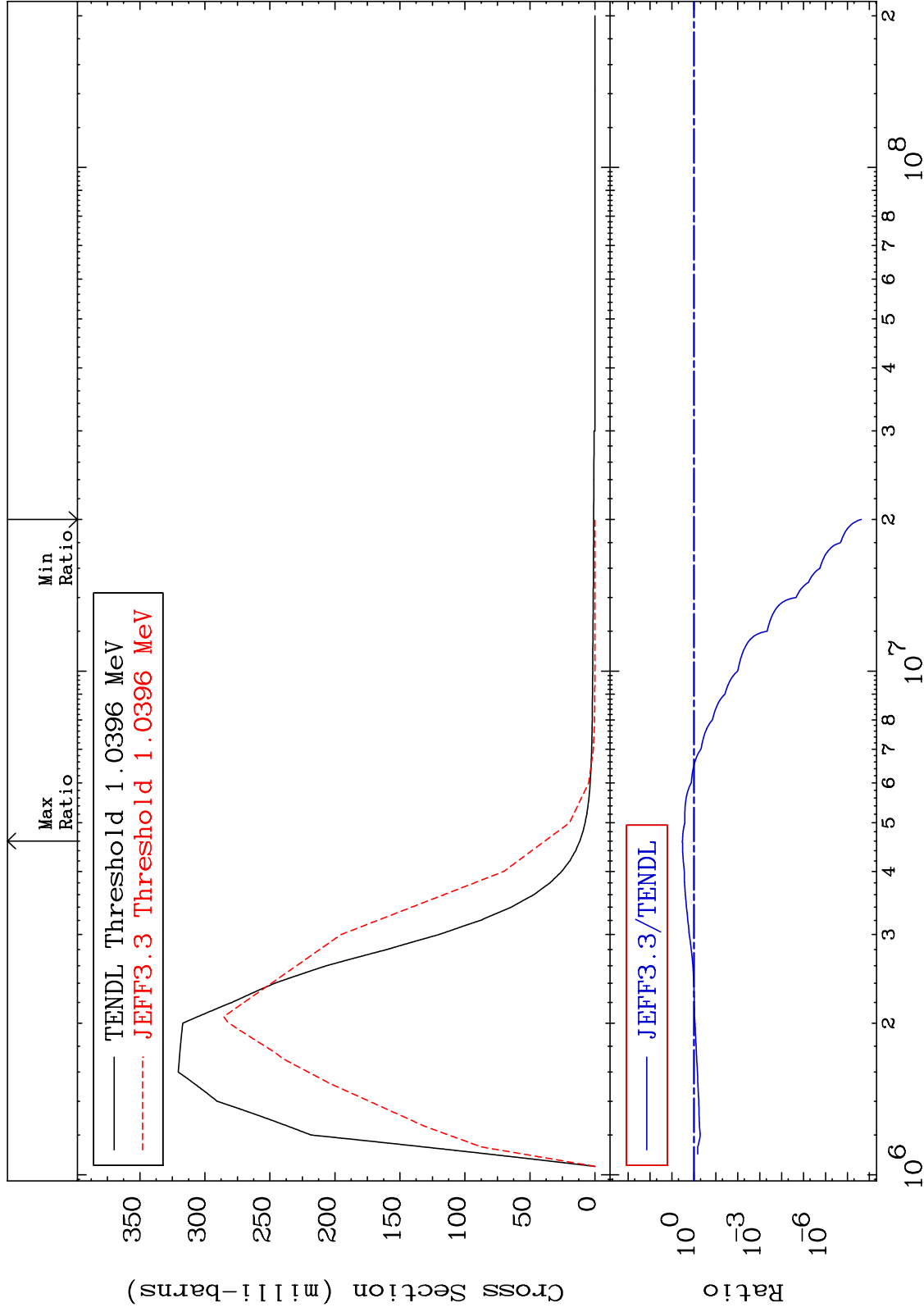


8 Incident Energy (eV) 56-Ba-132

MAT 5631

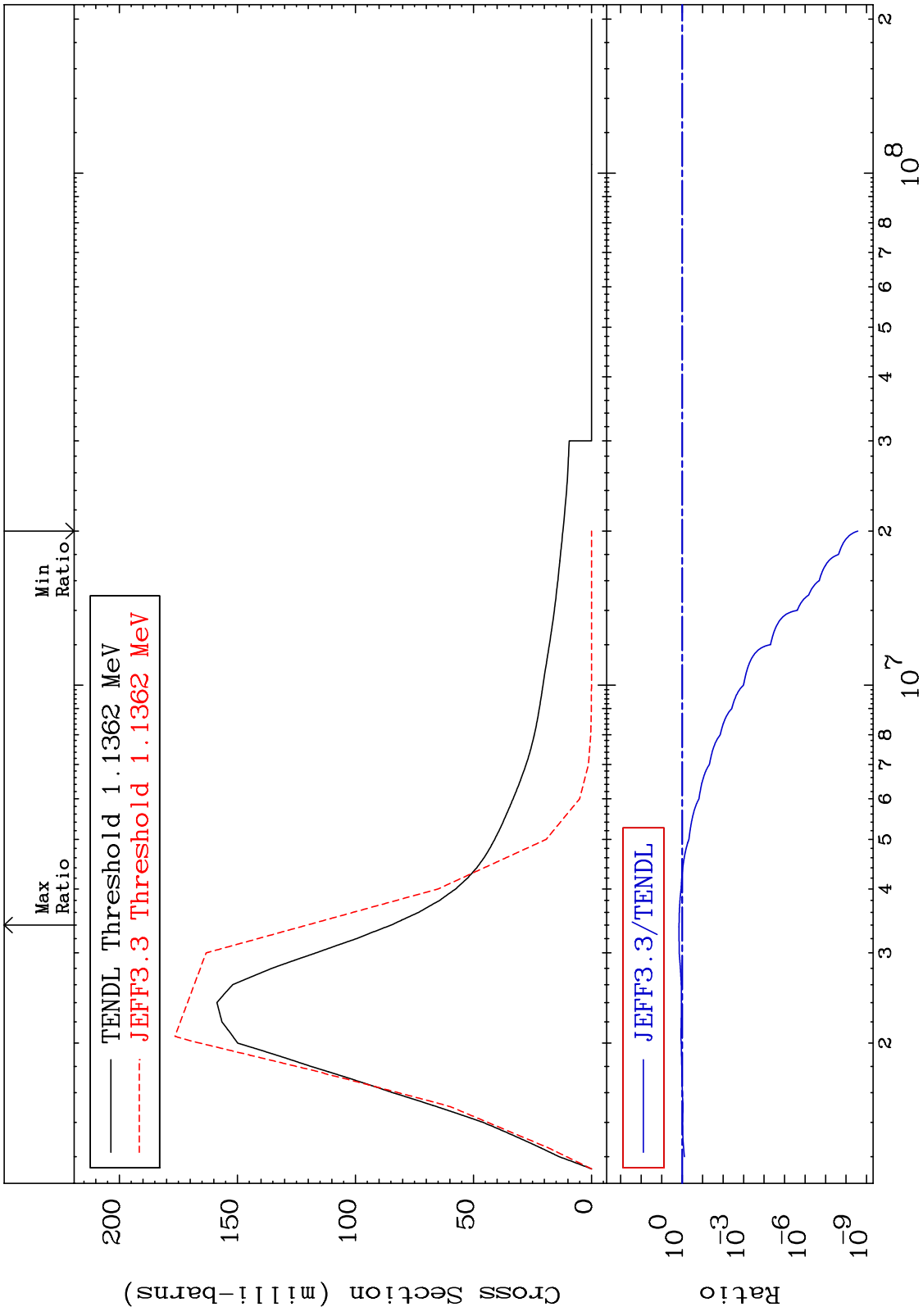
MT= 52 (n,n') Level
Cross Section

56-Ba-132
-100.0 To 231.7 %



56-Ba-132

MAT 5631 MT= 53 (n, n') Level Cross Section 56-Ba-132 -100.0 To 42.02 %

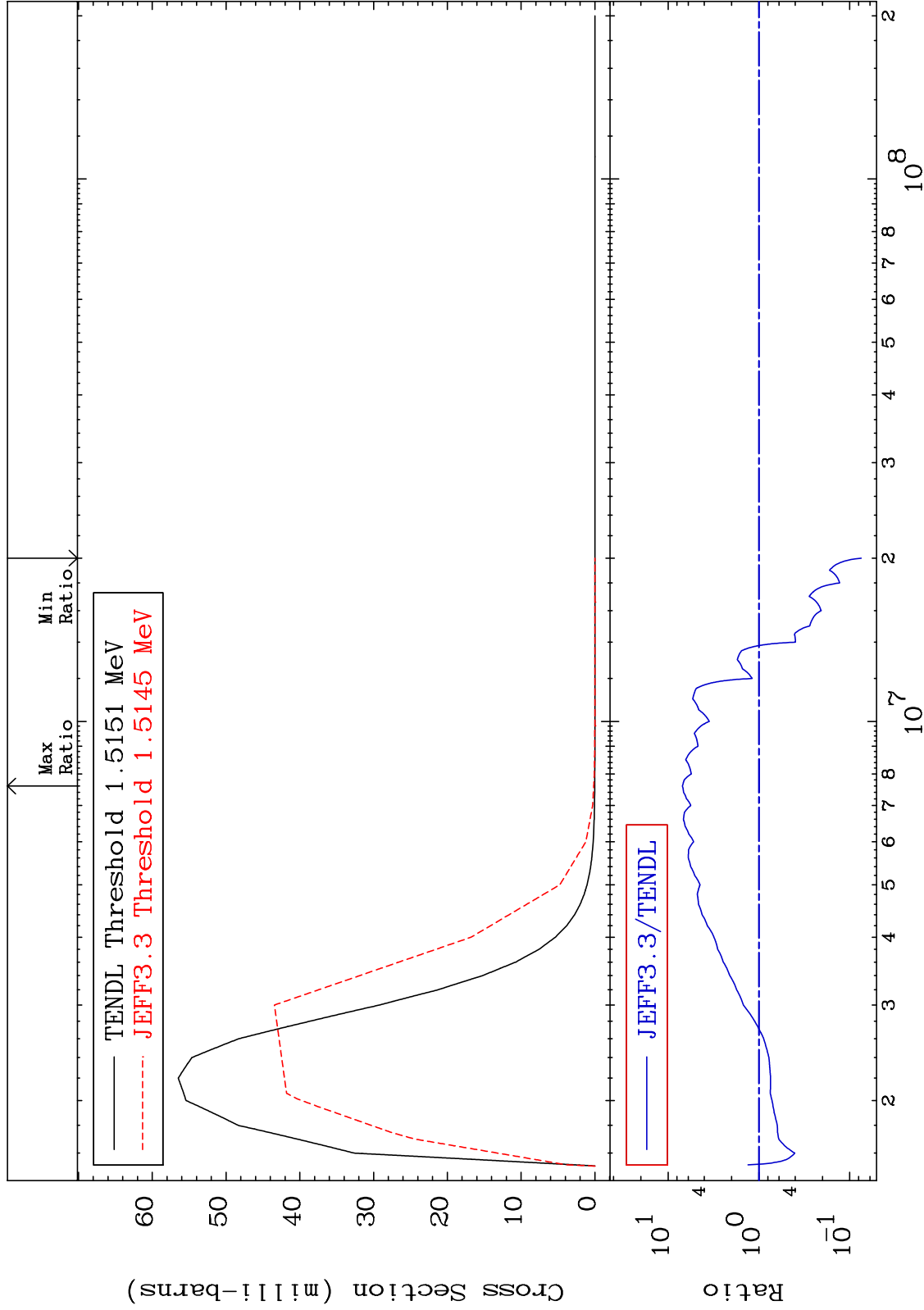


10 Incident Energy (eV) 56-Ba-132

MAT 5631

MT= 54 (n,n') Level
Cross Section

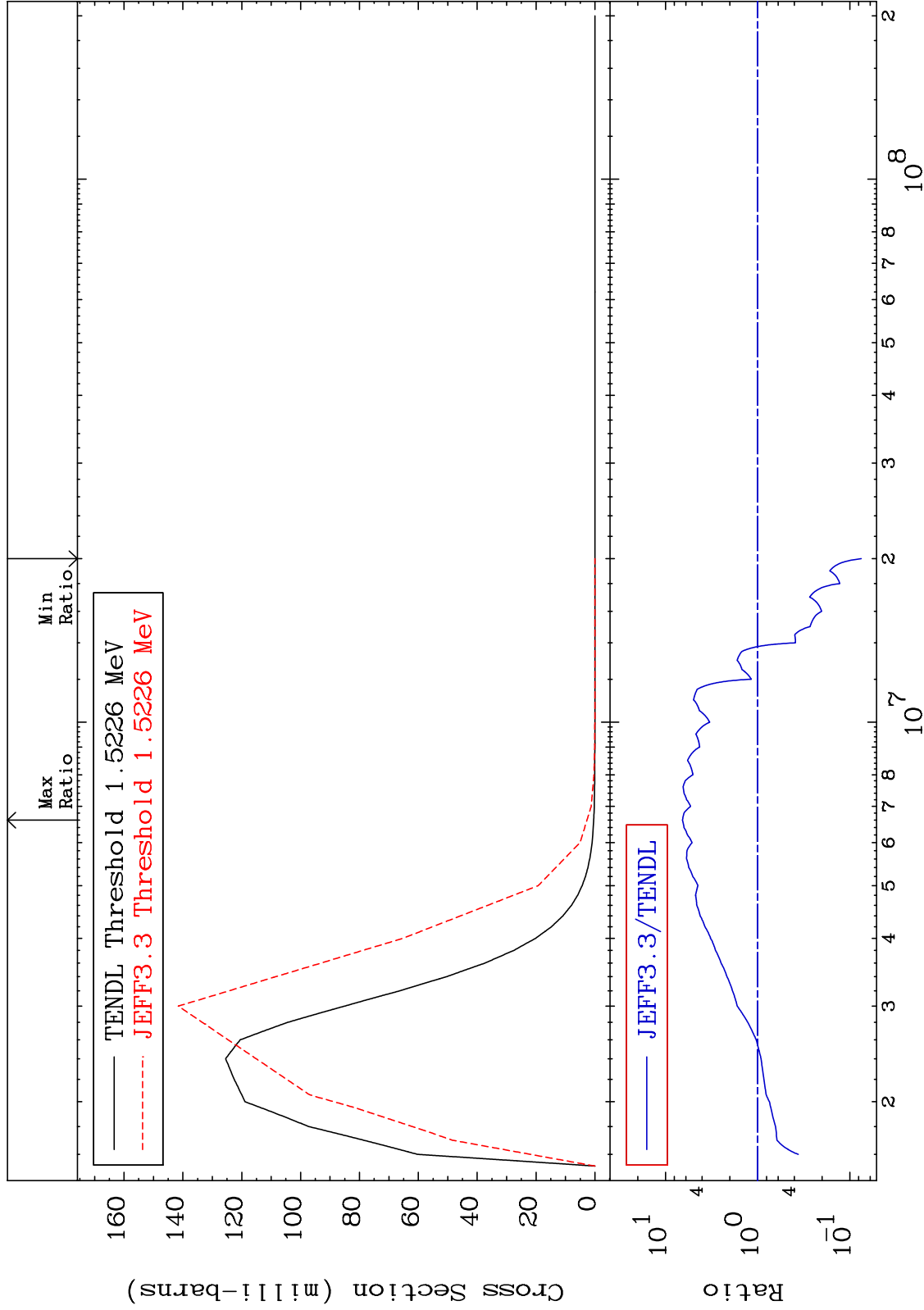
56-Ba-132
-92.54 To 596.7 %



MAT 5631

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

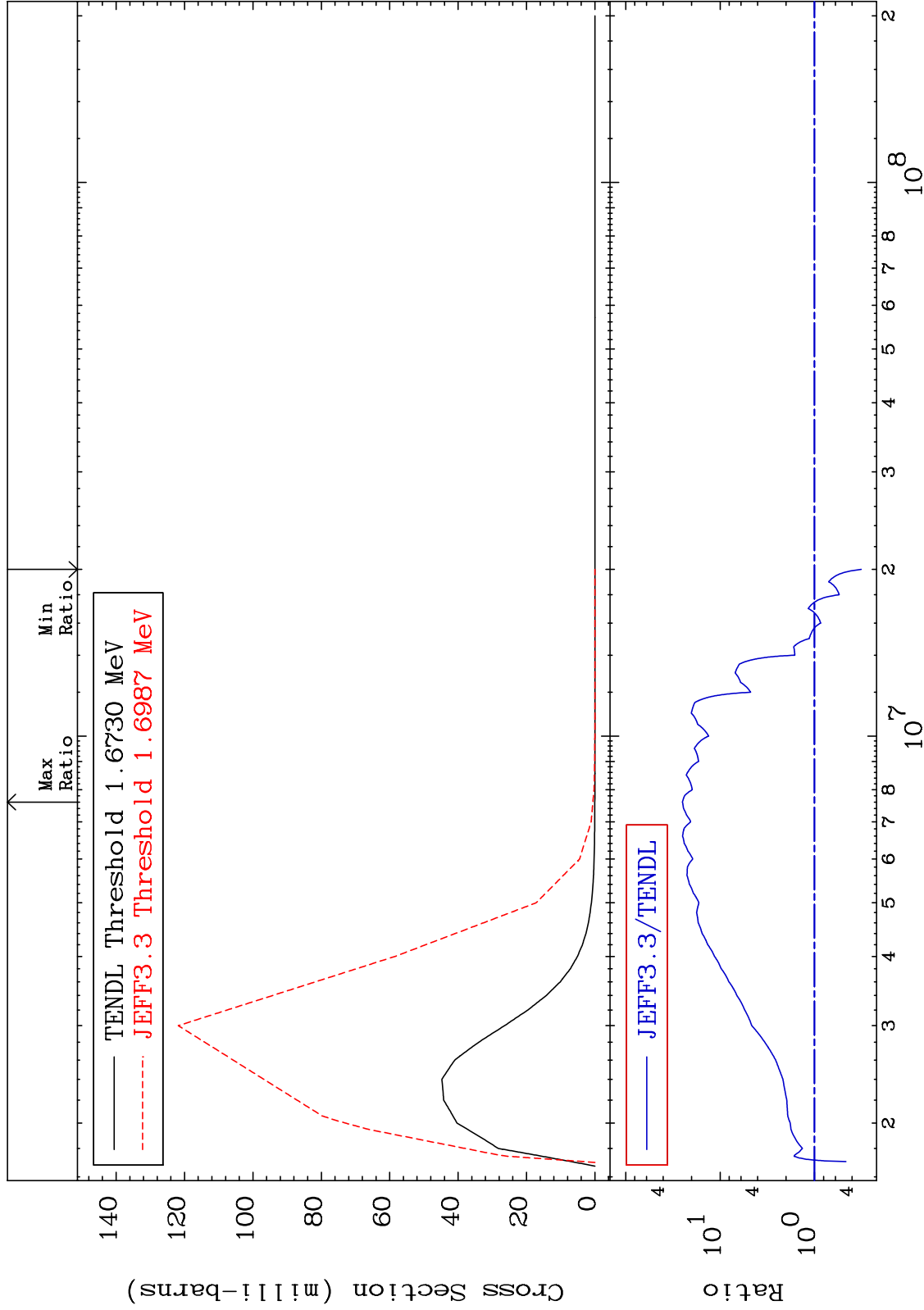
56-Ba-132
-92.50 To 554.2 %



MAT 5631

MT= 56 (n,n') Level
Cross Section

56-Ba-132
-68.01 To 2404. %

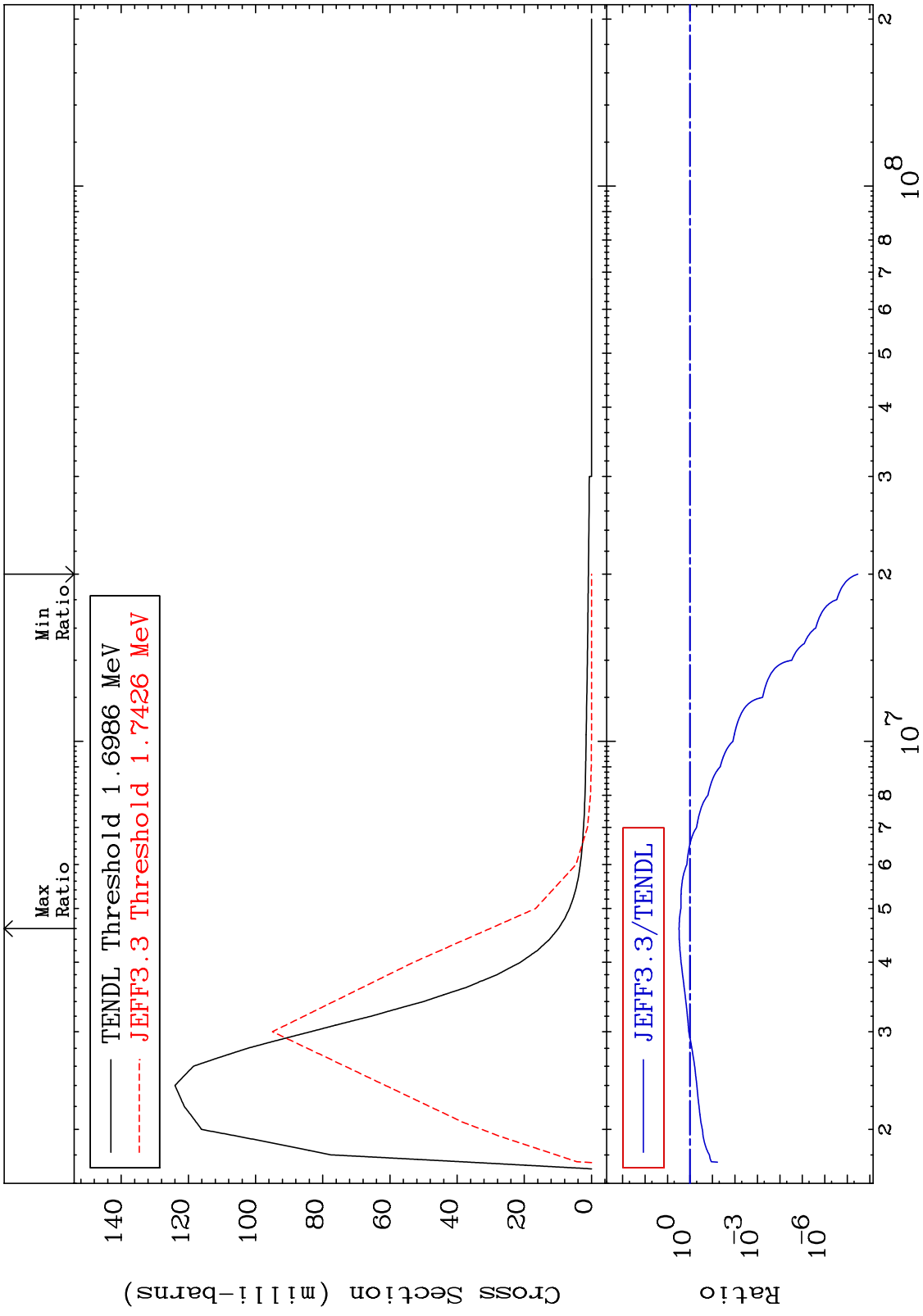


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Incident Energy (eV)

56-Ba-132

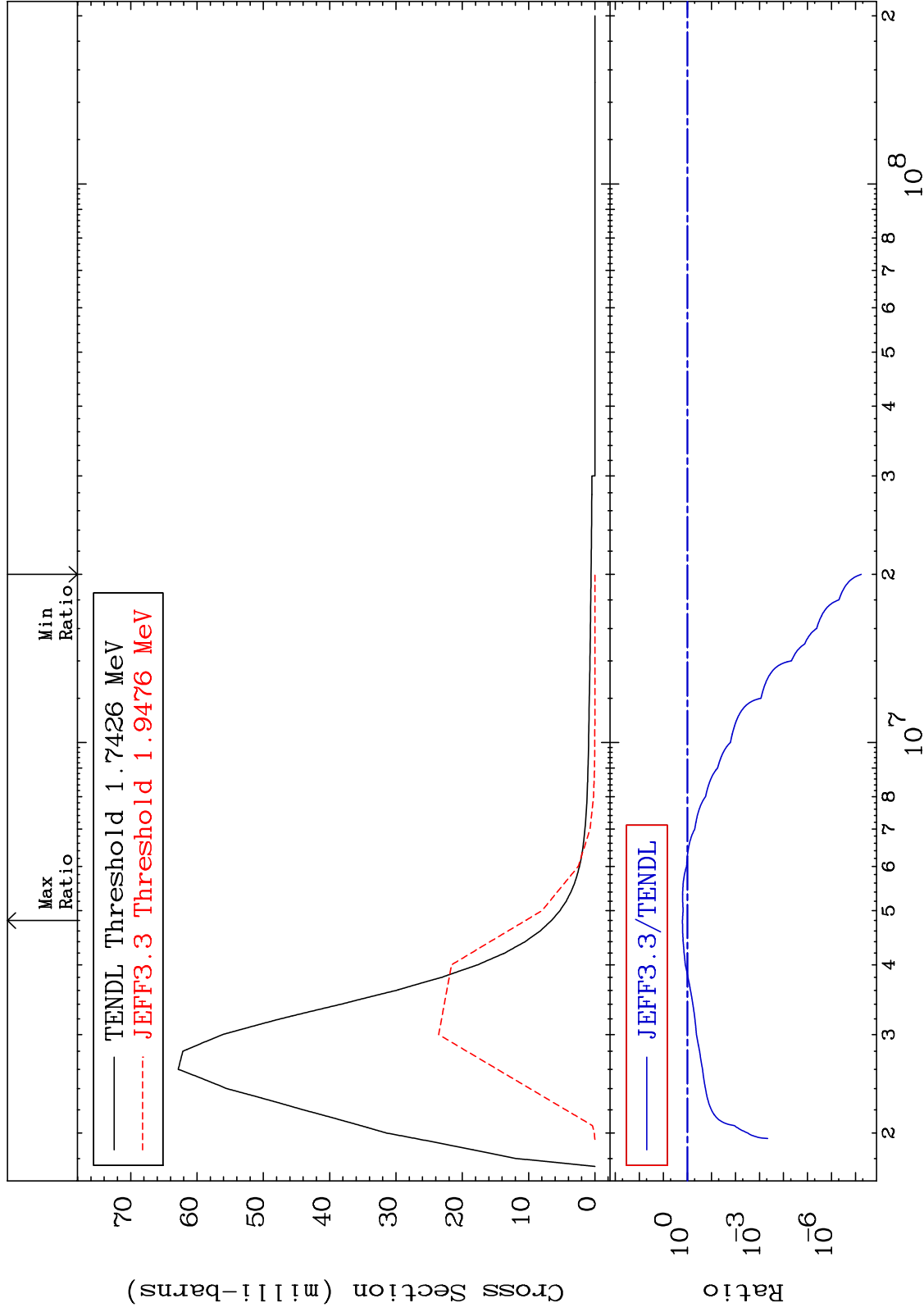
MAT 5631 MT= 57 (n,n') Level Cross Section 56-Ba-132 -100.0 To 206.5 %



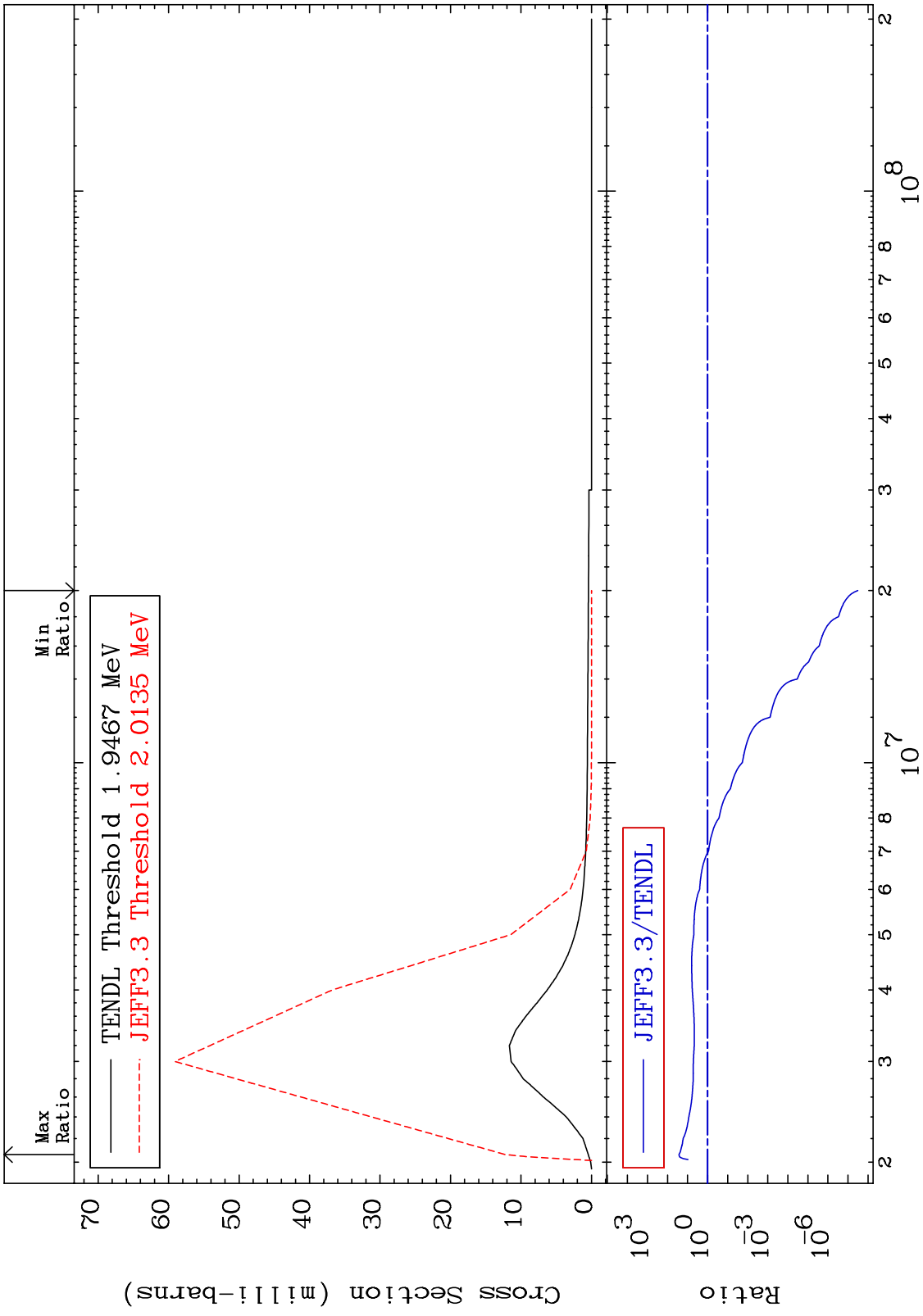
MAT 5631

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

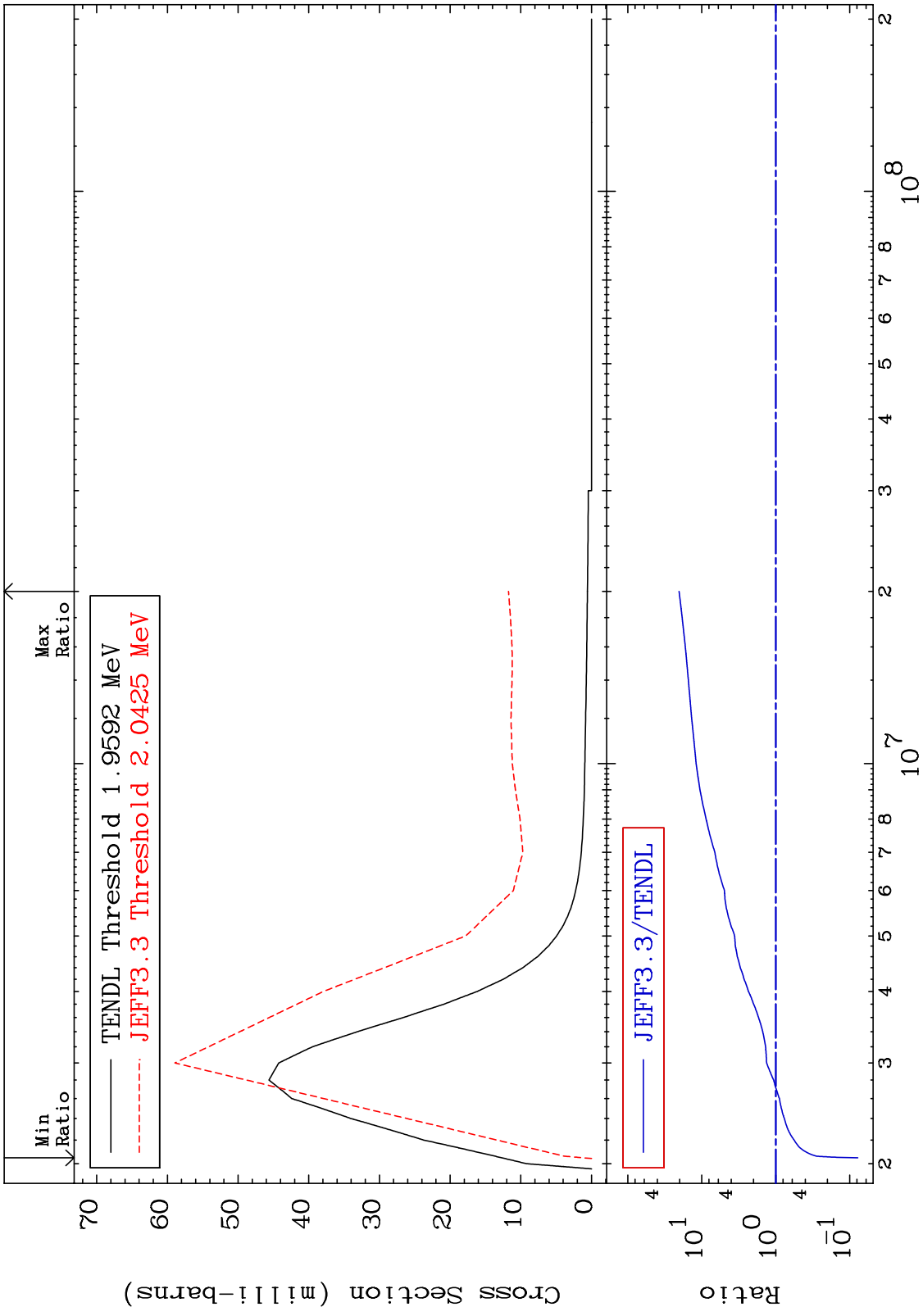
56-Ba-132
-100.0 To 60.08 %



MAT 5631 MT= 59 (n,n') Level Cross Section 56-Ba-132 -100.0 To 2566. %



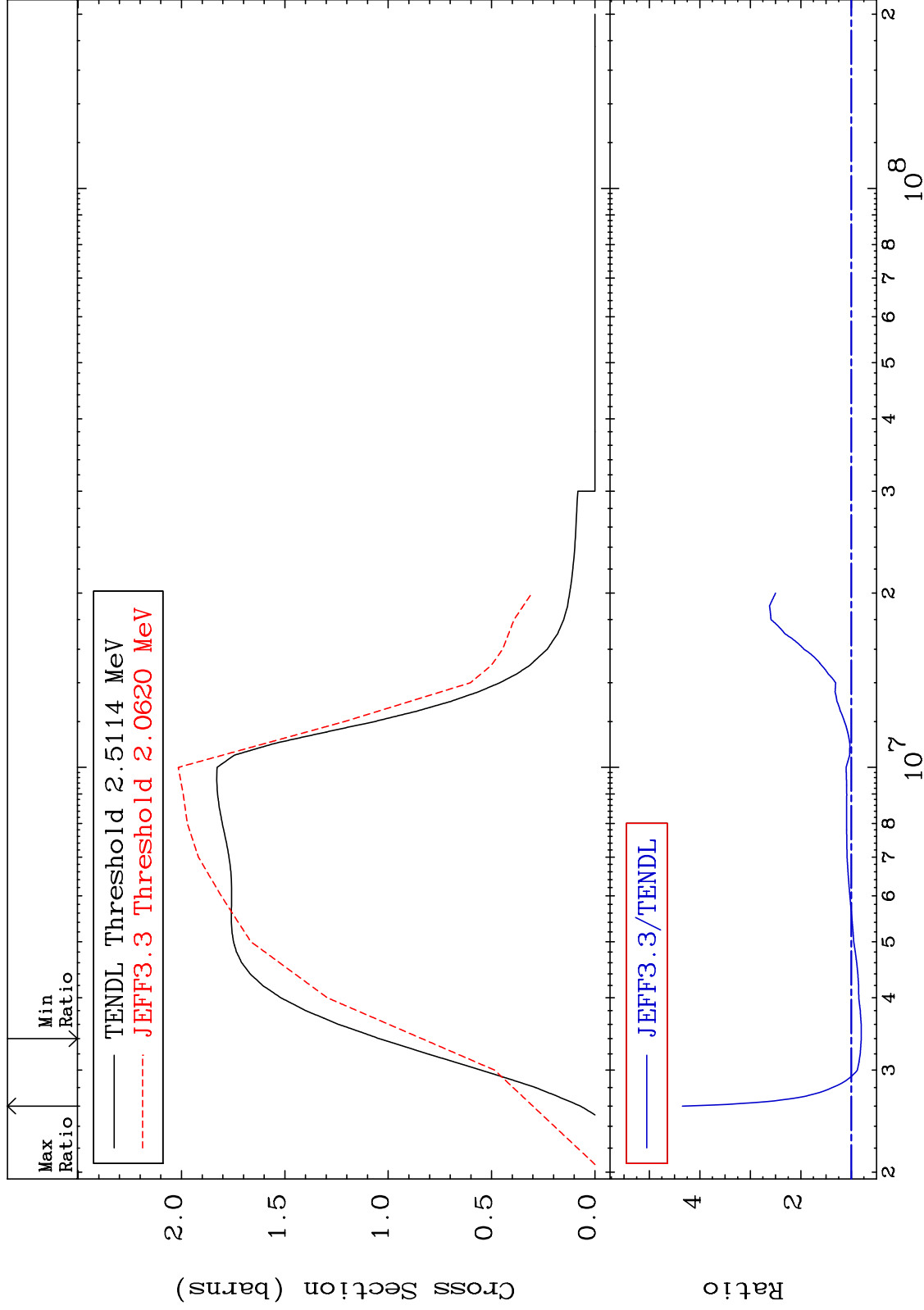
MAT 5631 MT= 60 (n,n') Level Cross Section 56-Ba-132 -92.22 To 1931. %



MAT 5631

(n,n') Continuum
Cross Section

56-Ba-132
-19.78 To 334.3 %



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56-Ba-132

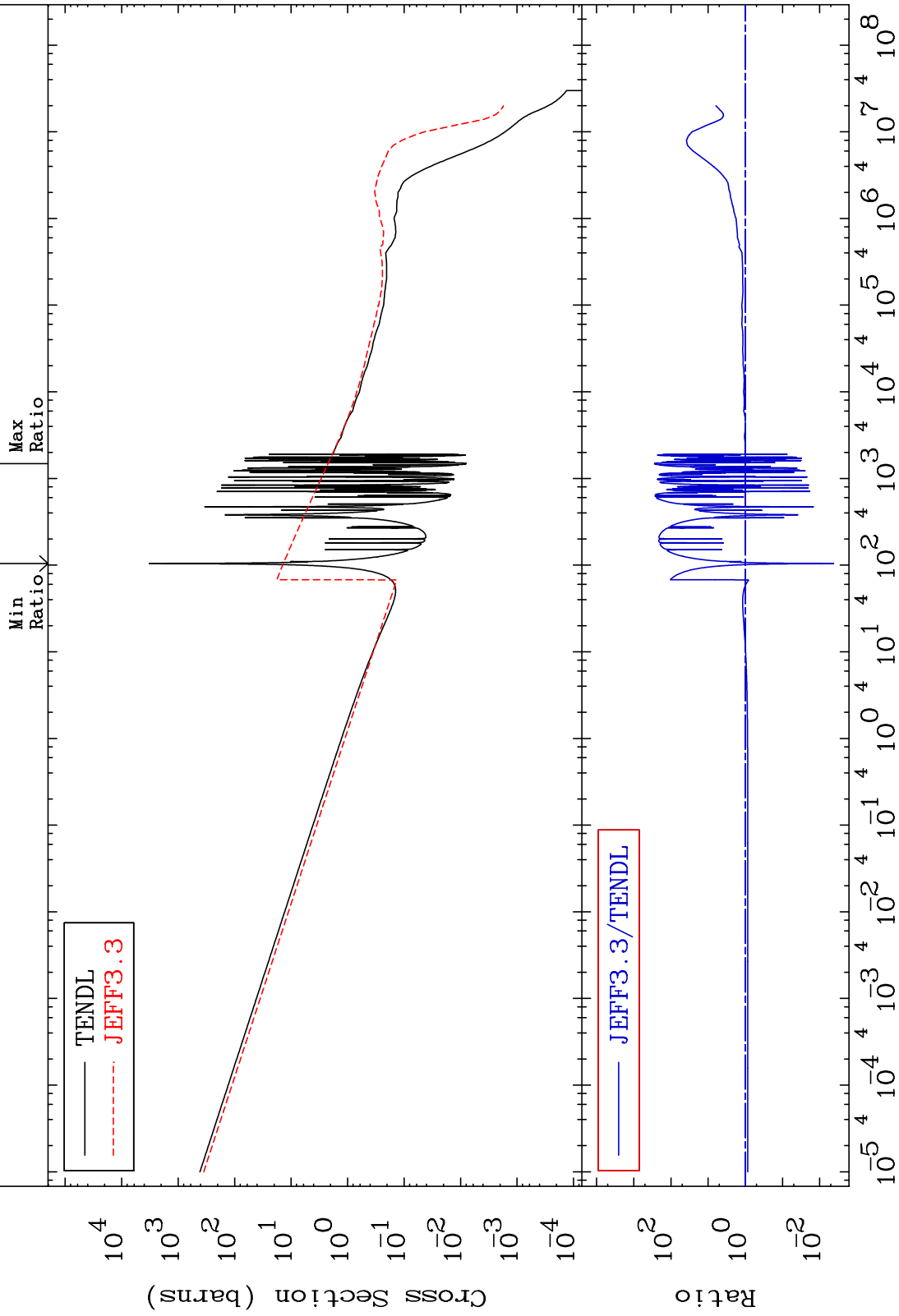
MAT 5631

(n, γ)

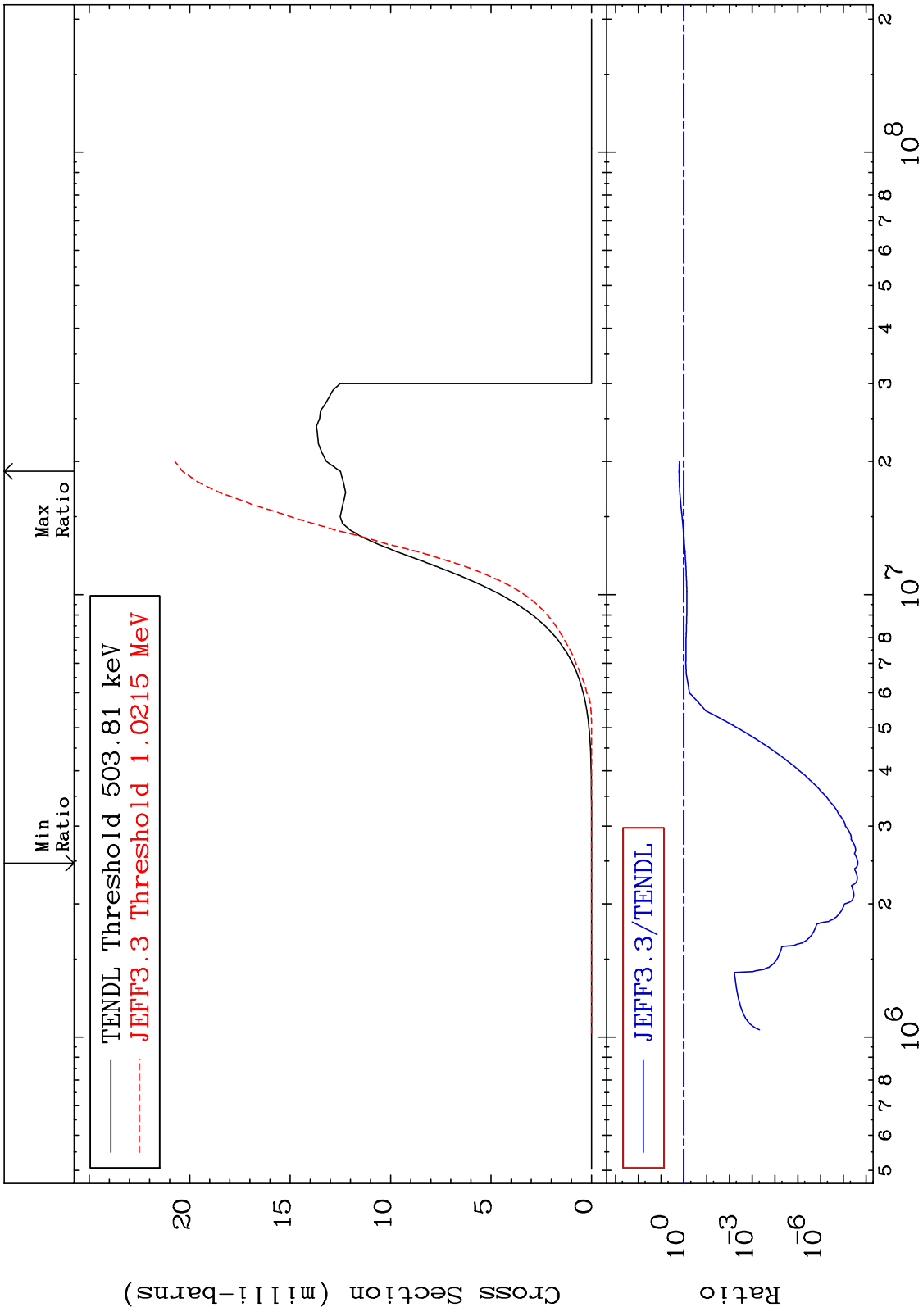
56-Ba-132

-99.58 To 9999. %

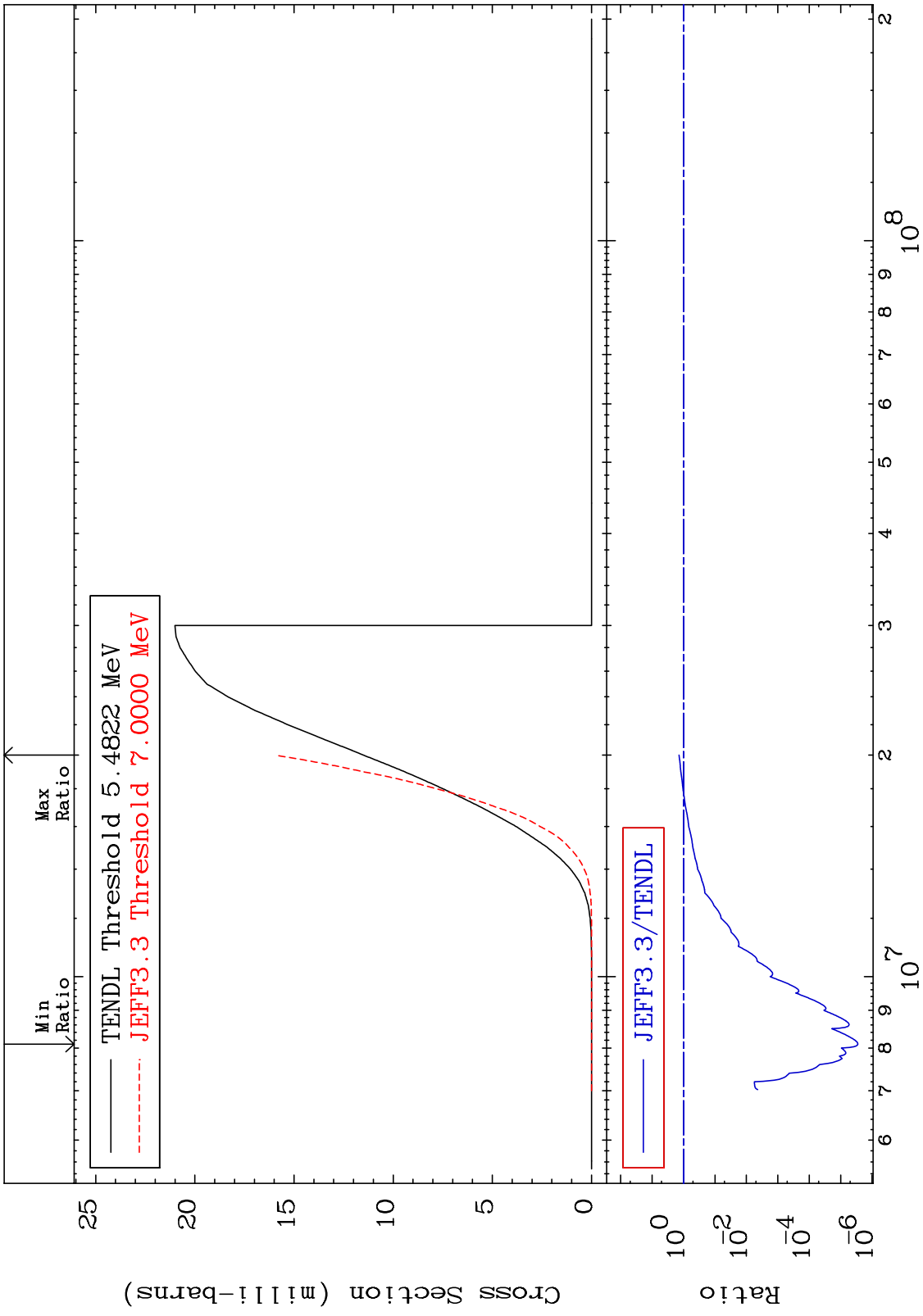
Cross Section



MAT 5631 56-Ba-132
(n,p) Cross Section
-100.0 To 62.81 %

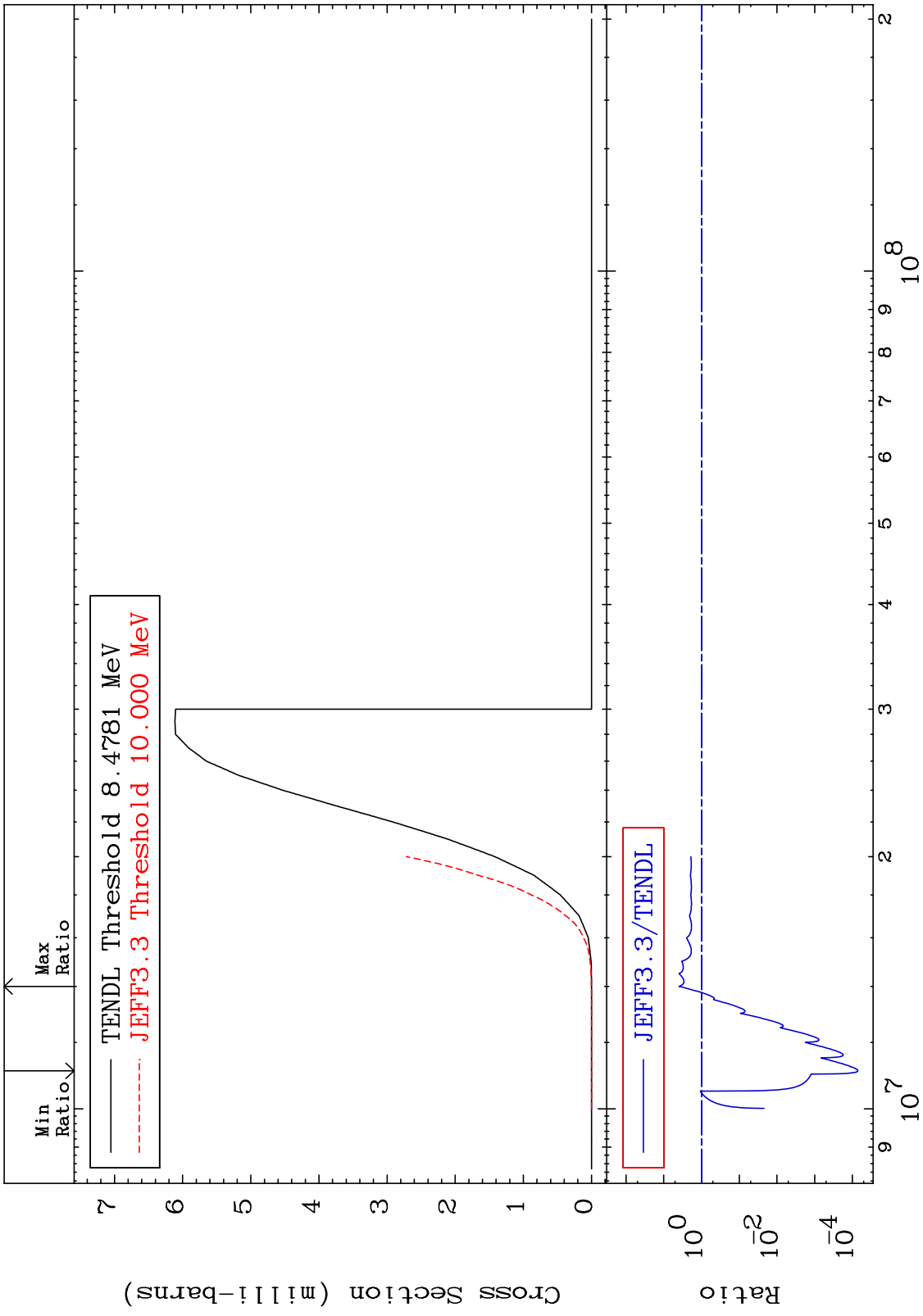


MAT 5631 56-Ba-132
(n,d)
-100.0 To 38.91 %
Cross Section

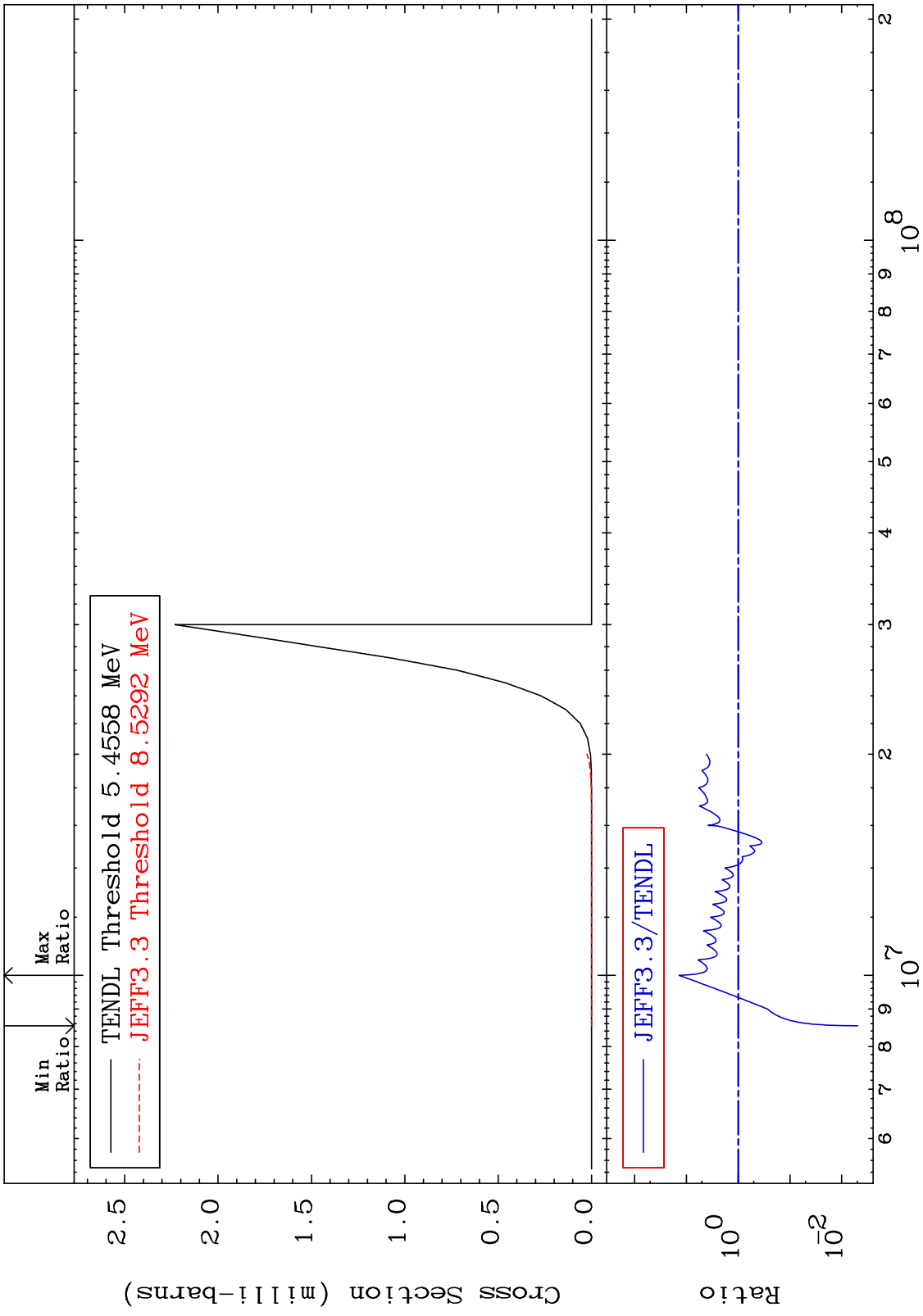


21 56-Ba-132
Incident Energy (eV)

MAT 5631 (n,t) Cross Section 56-Ba-132 -99.99 To 293.9 %



Incident Energy (eV) 56-Ba-132



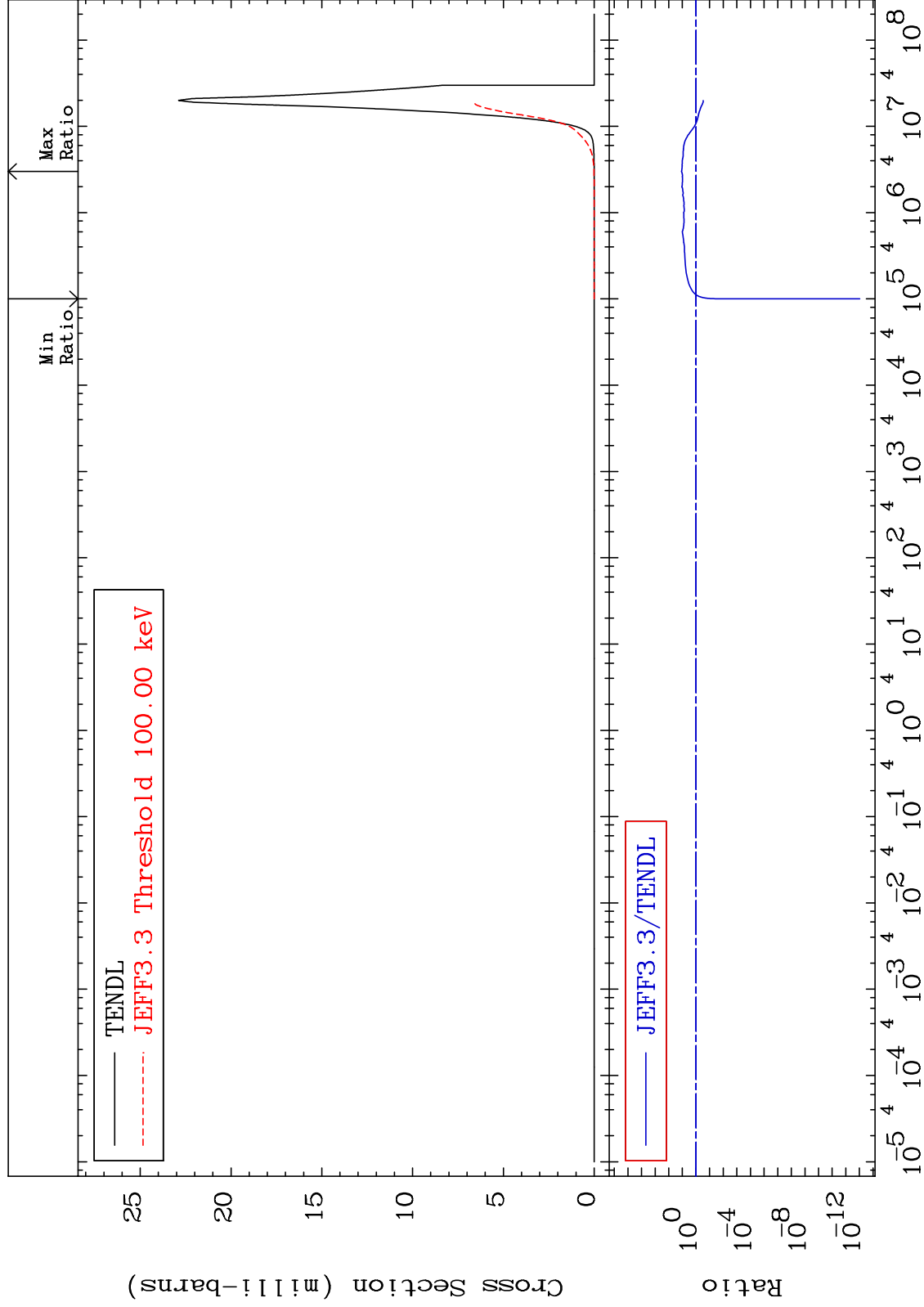
MAT 5631

(n, α)

56-Ba-132

Cross Section

-100.0 To 1066. %



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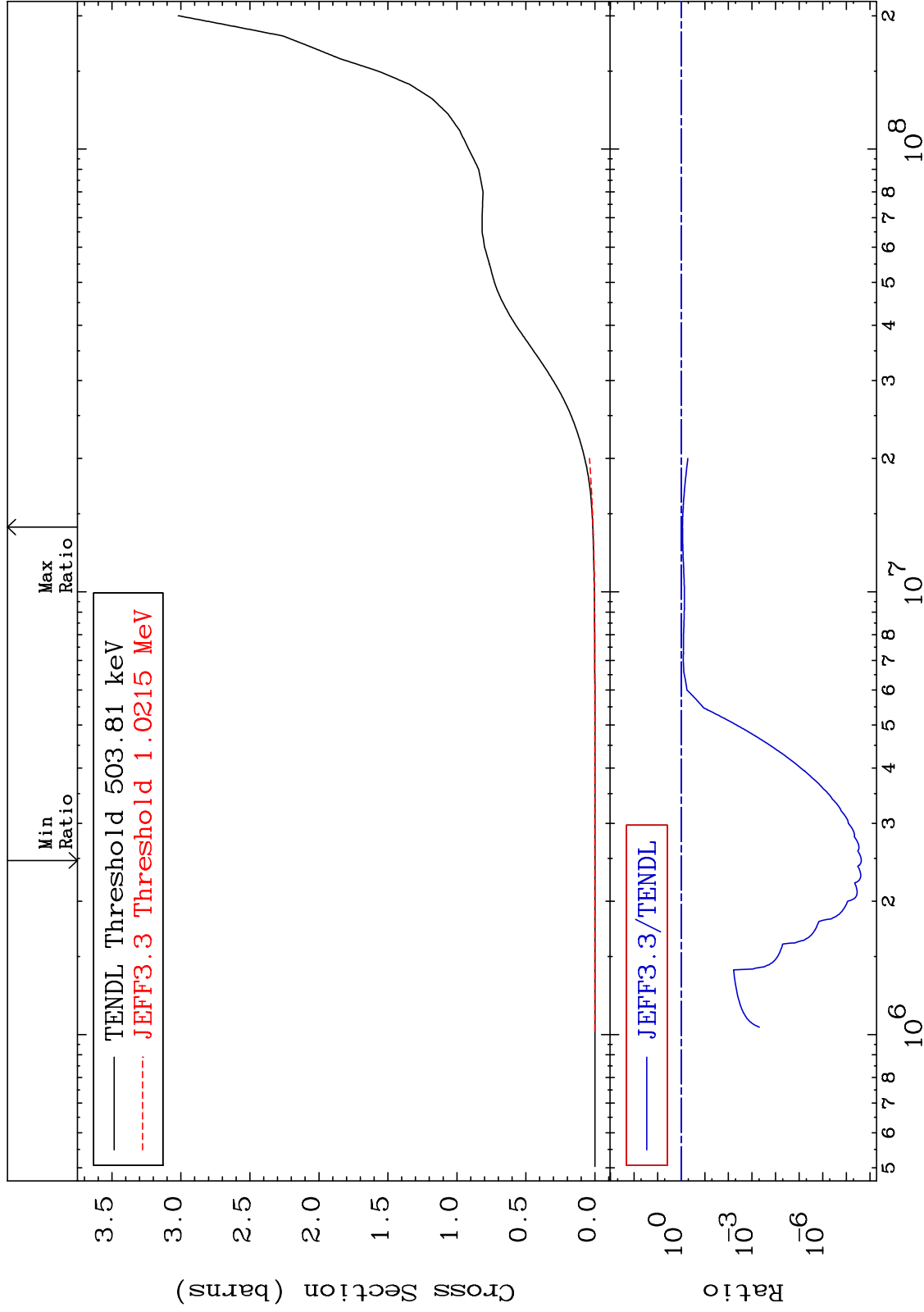
Incident Energy (eV)

56-Ba-132

MAT 5631

Hydrogen Production
Cross Section

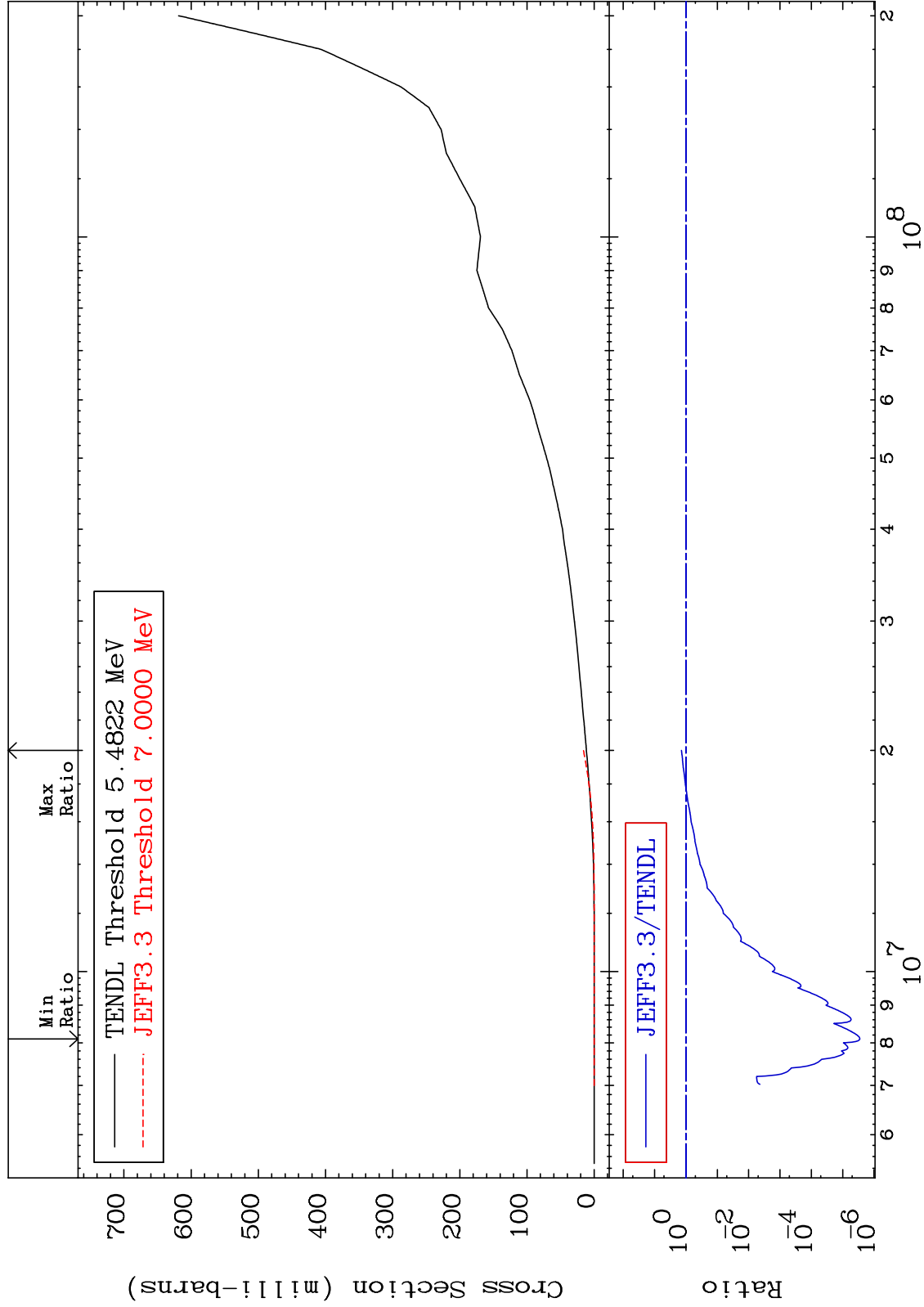
$^{56}\text{Ba-132}$
-100.0 To -11.31%



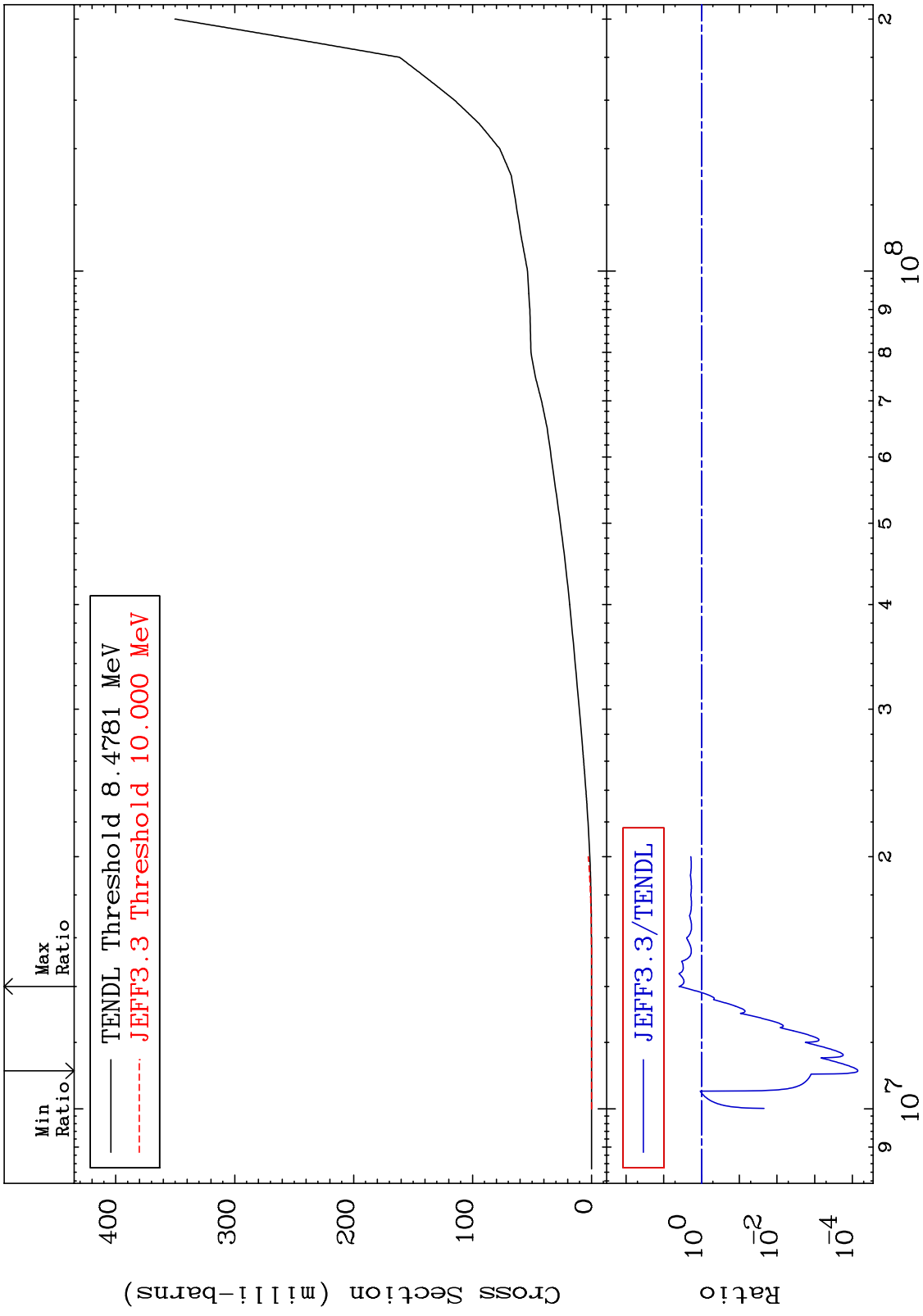
MAT 5631

Deuterium Production
Cross Section

56-Ba-132
-100.0 To 38.88 %



MAT 5631 Tritium Production Cross Section 56-Ba-132 -99.99 To 293.9 %



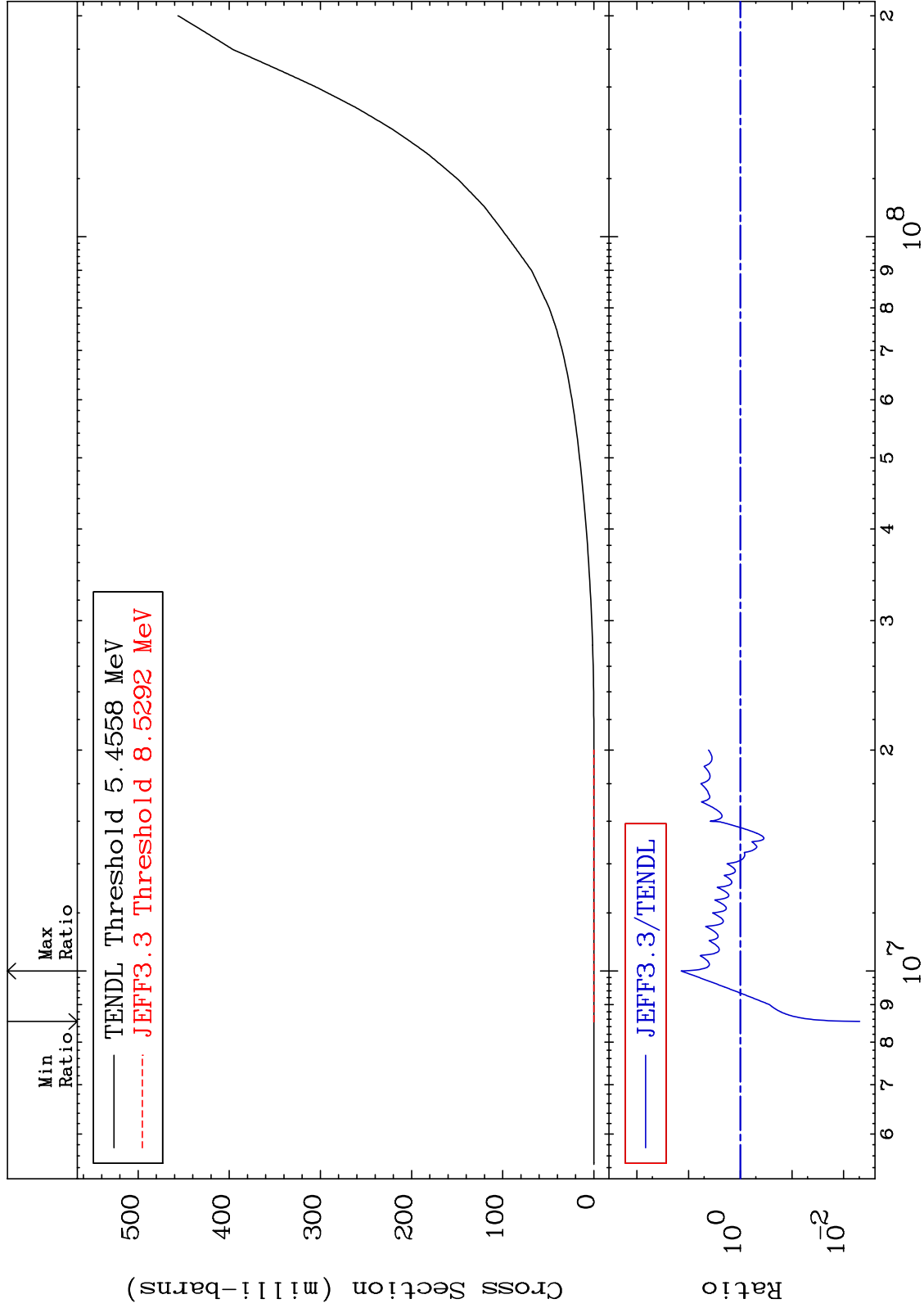
56-Ba-132

Incident Energy (eV)

MAT 5631

He-3 Production
Cross Section

56-Ba-132
-99.51 To 1285. %



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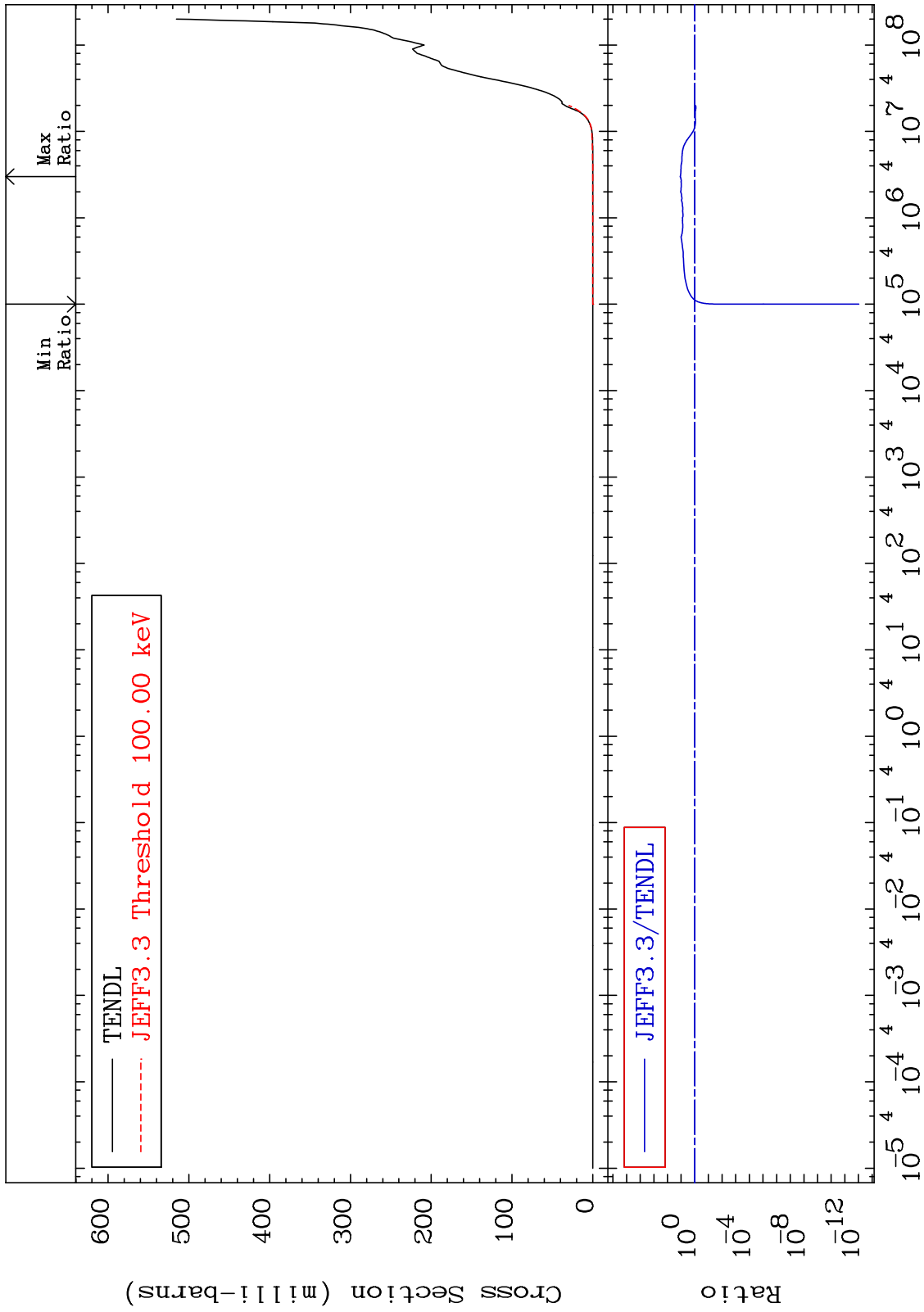
Incident Energy (eV)

56-Ba-132

MAT 5631

He-4 Production
Cross Section

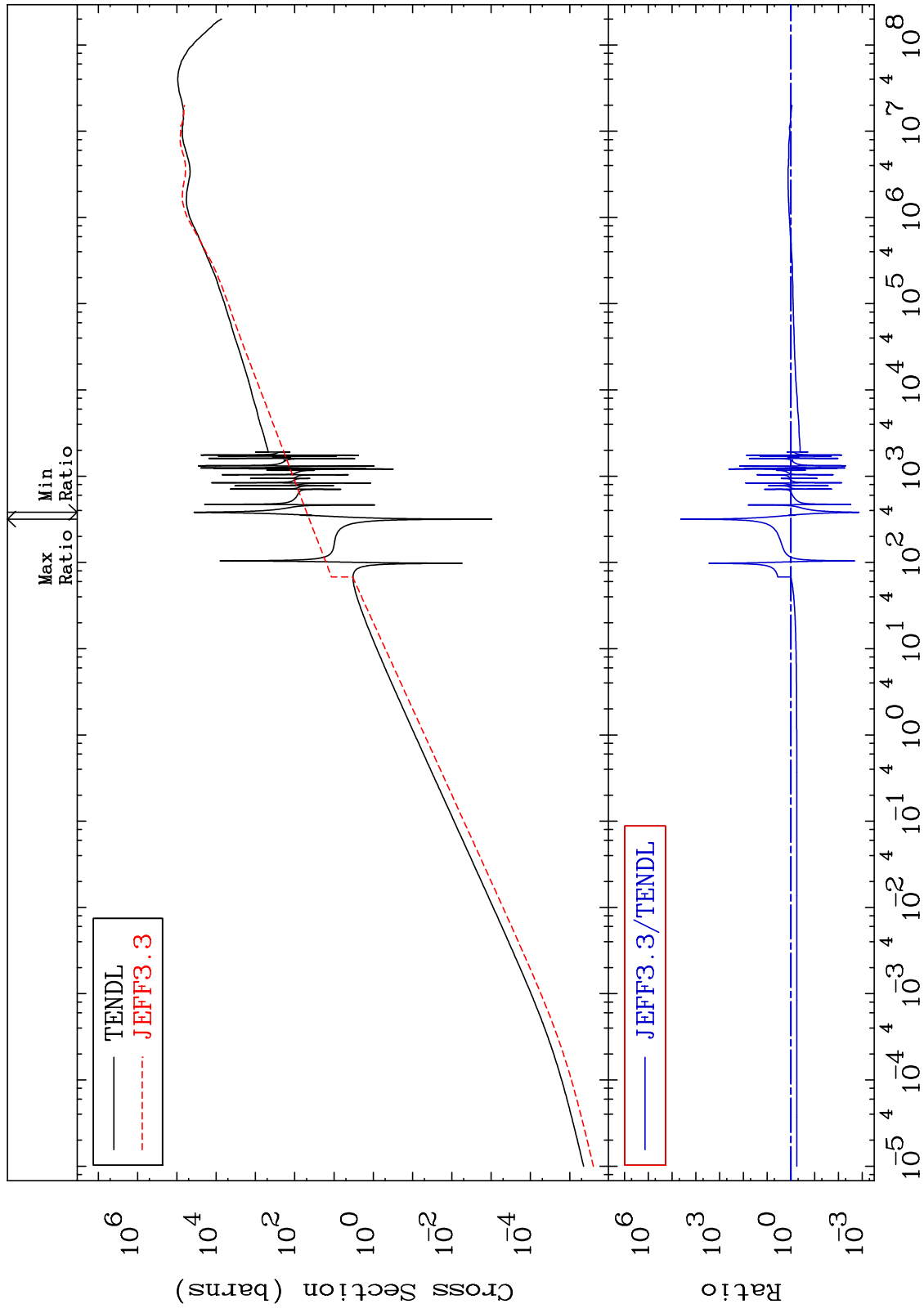
56-Ba-132
-100.0 To 1066. %



MAT 5631

Kerma elastic
Cross Section

56-Ba-132
-99.86 To 9999. %



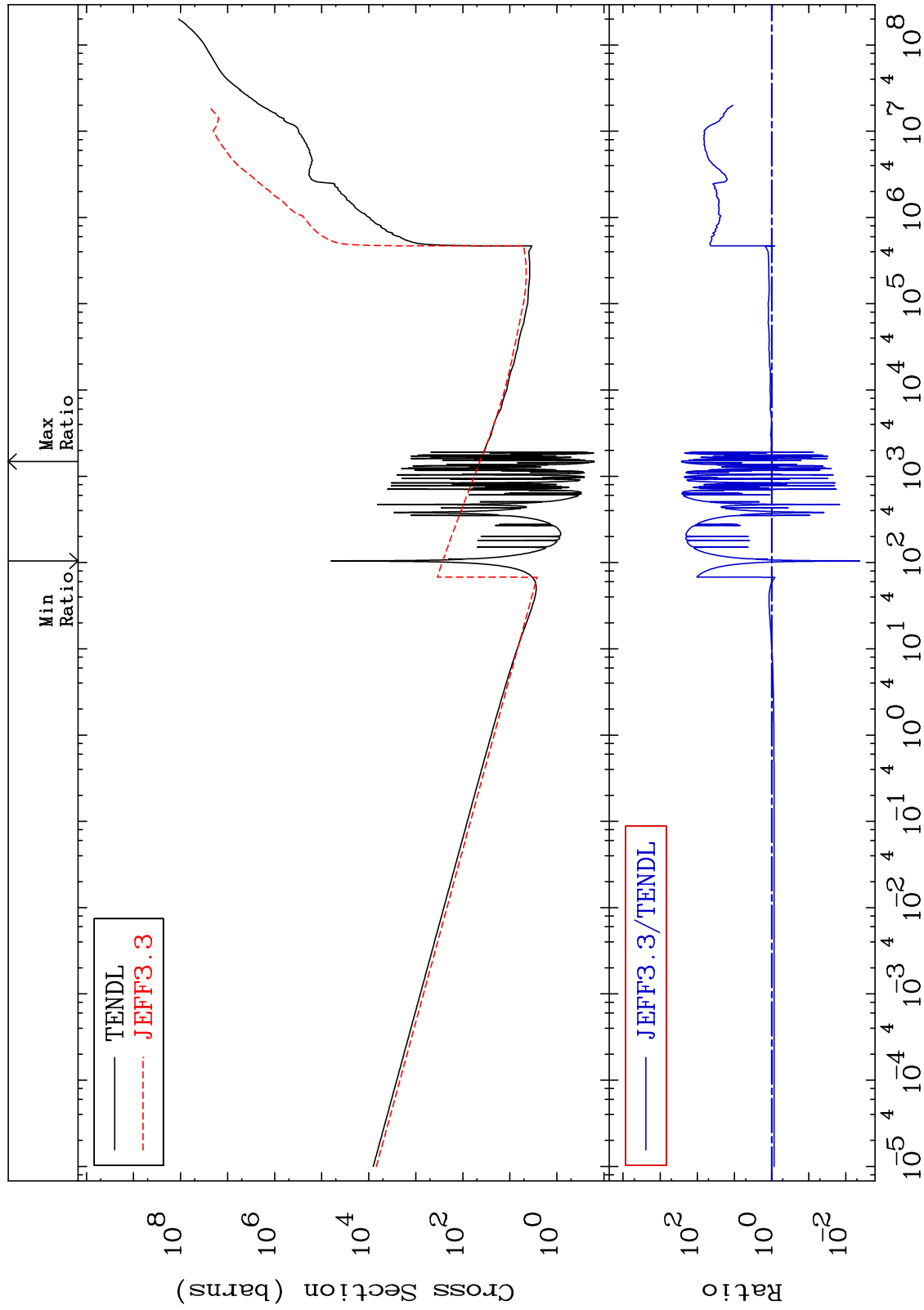
MAT 5631

Kerma non-elastic (all but mt2)

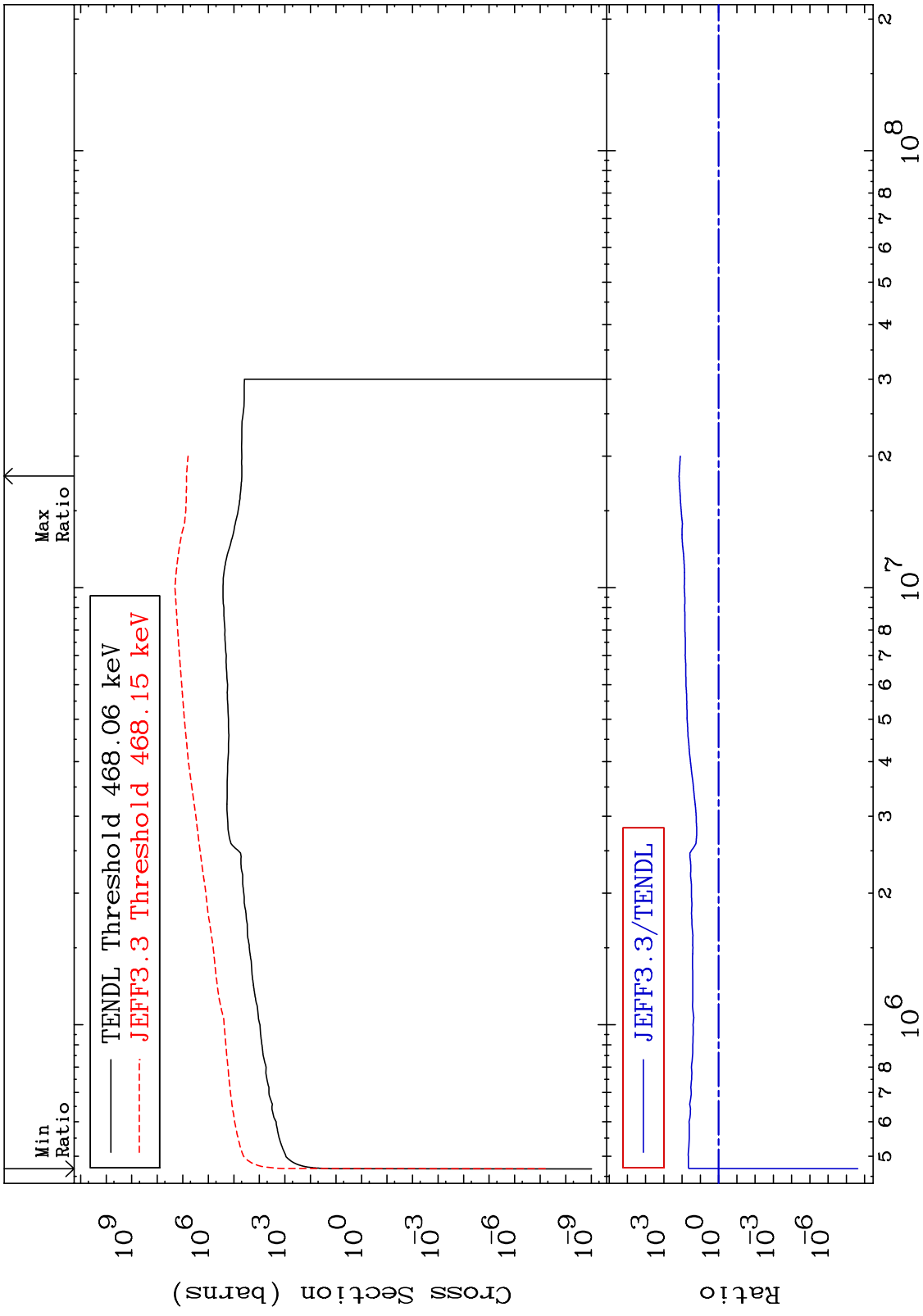
56-Ba-132

-99.58 To 9999. %

Cross Section



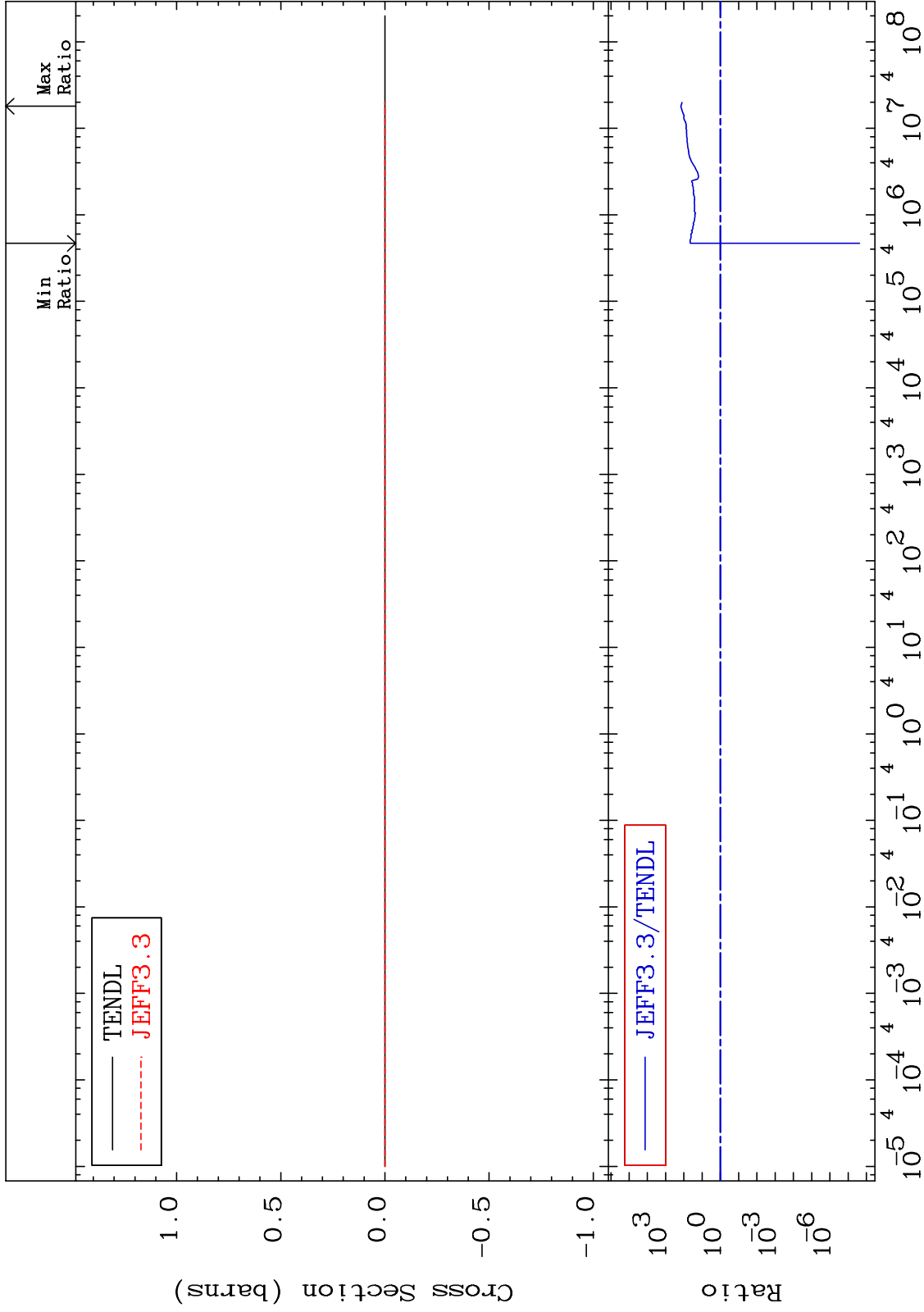
MAT 5631 Kerma inelastic (mt51-91) 56-Ba-132
 -100.0 To 9999. %



MAT 5631

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

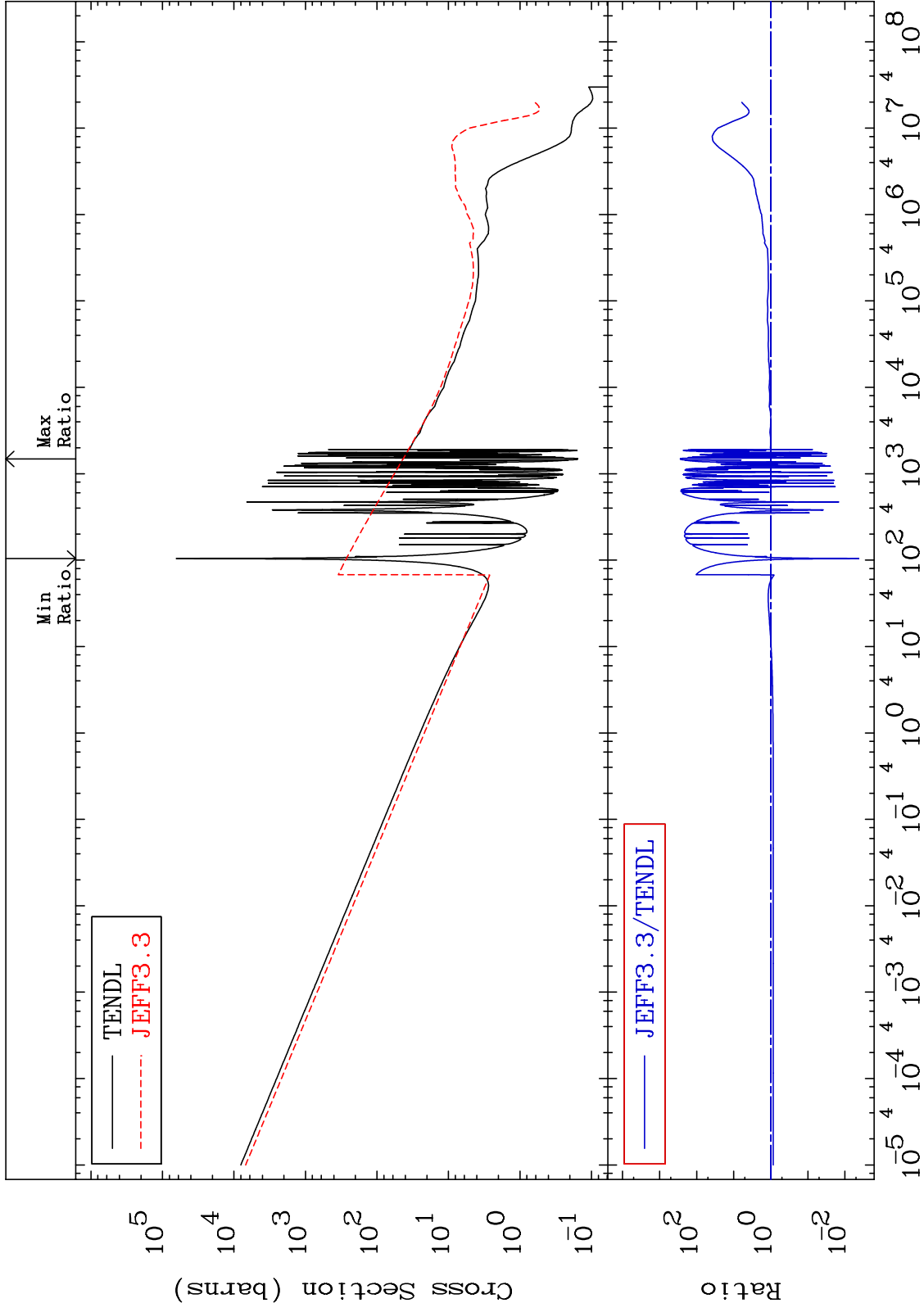
56-Ba-132
-100.0 To 9999. %



MAT 5631

Kerma capture (mt102)
Cross Section

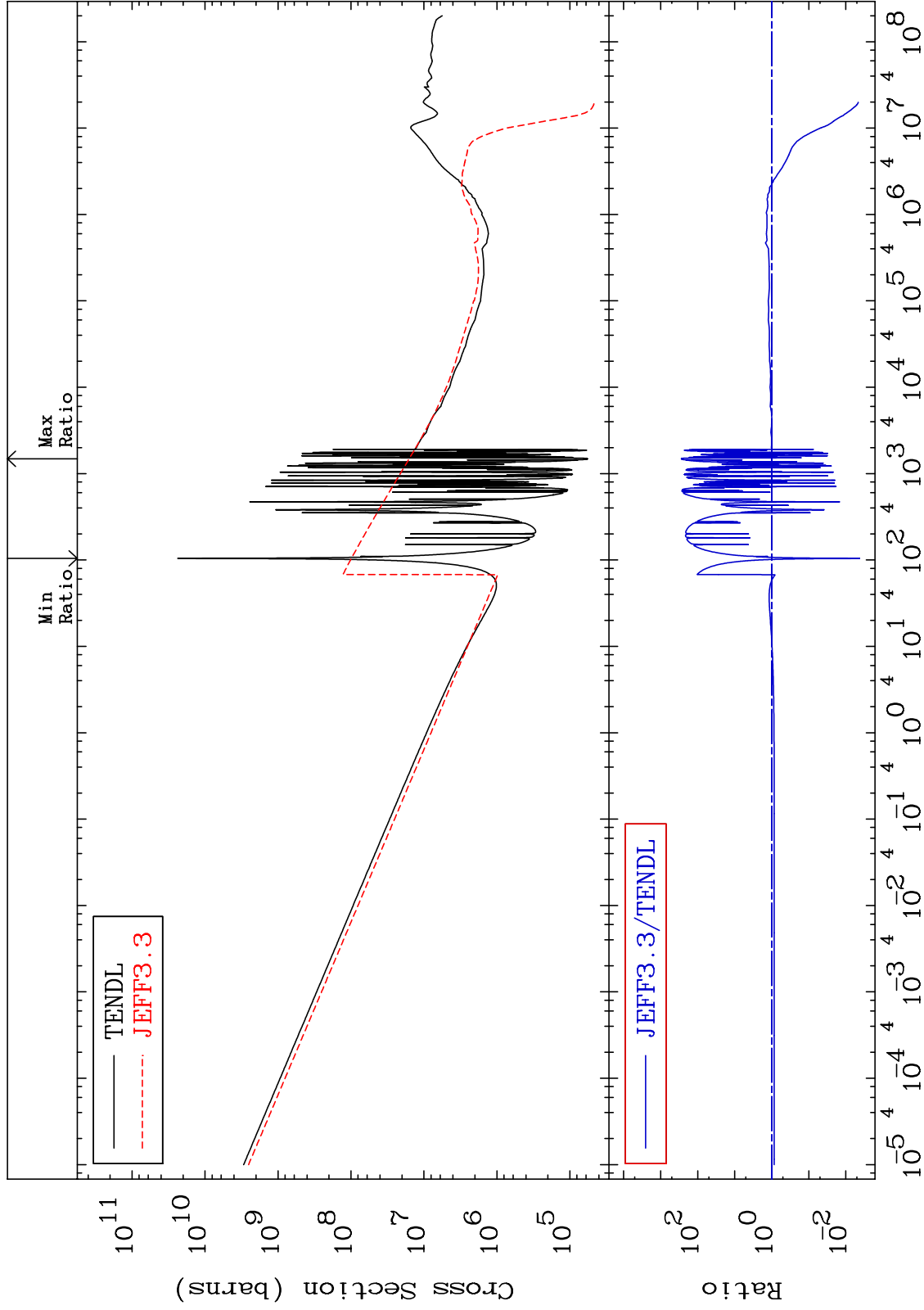
56-Ba-132
-99.58 To 9999. %



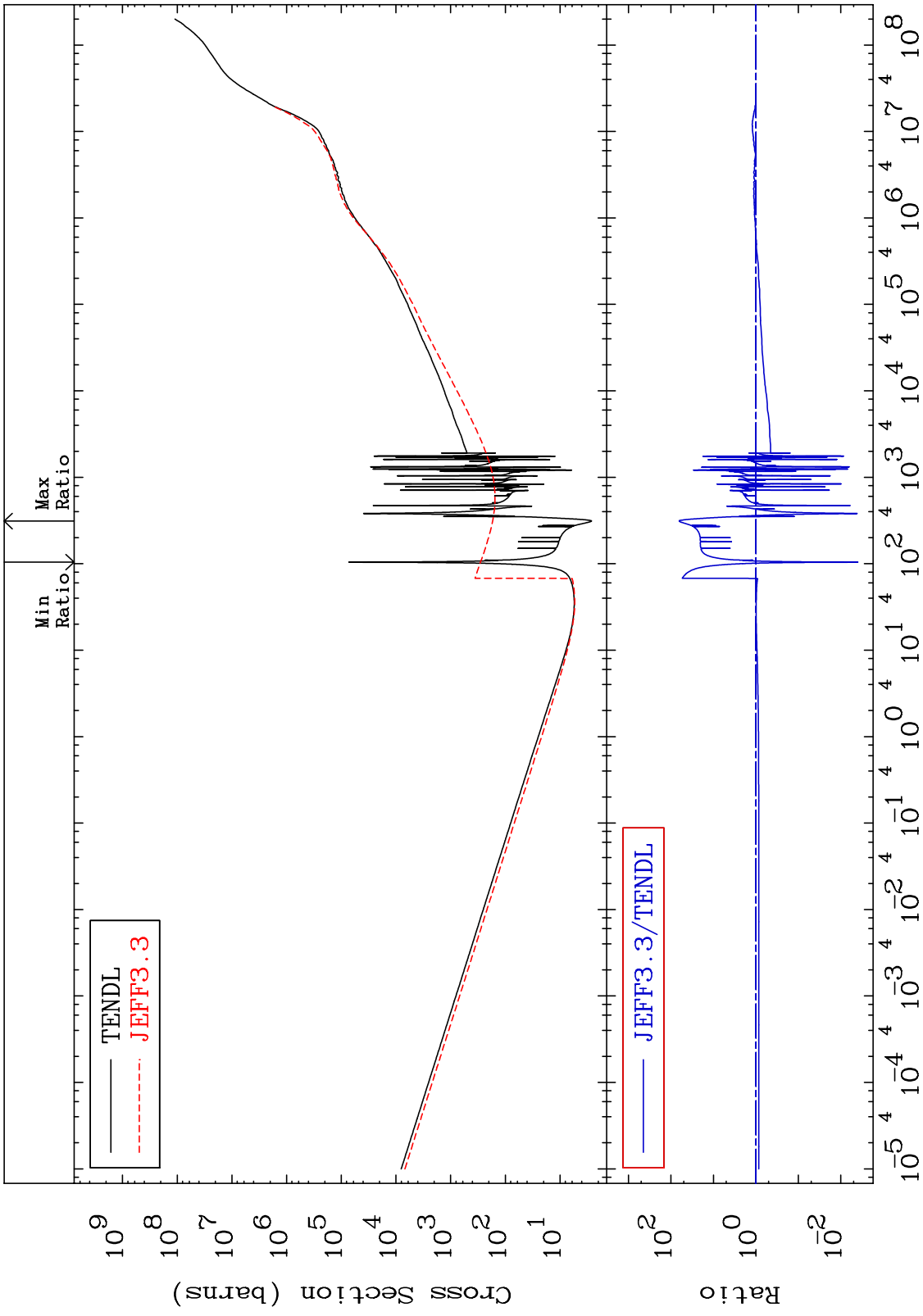
MAT 5631

Total photon (eV-barns)
Cross Section

56-Ba-132
-99.58 To 9999. %



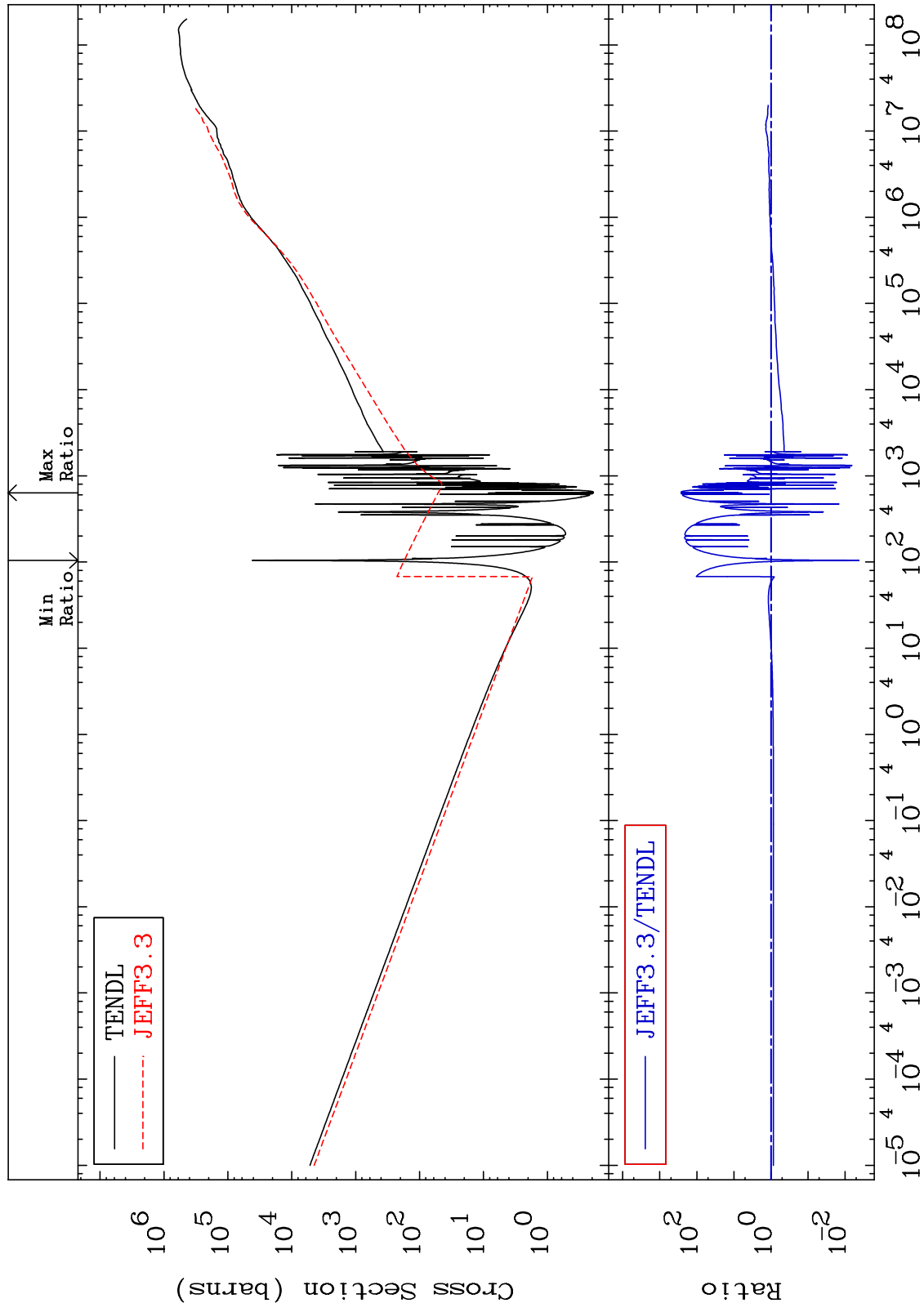
MAT 5631 Total kinematic kerma (high limit) 56-Ba-132
 -99.60 To 6343. %
 Cross Section



MAT 5631

Dpa total (eV-barns)
Cross Section

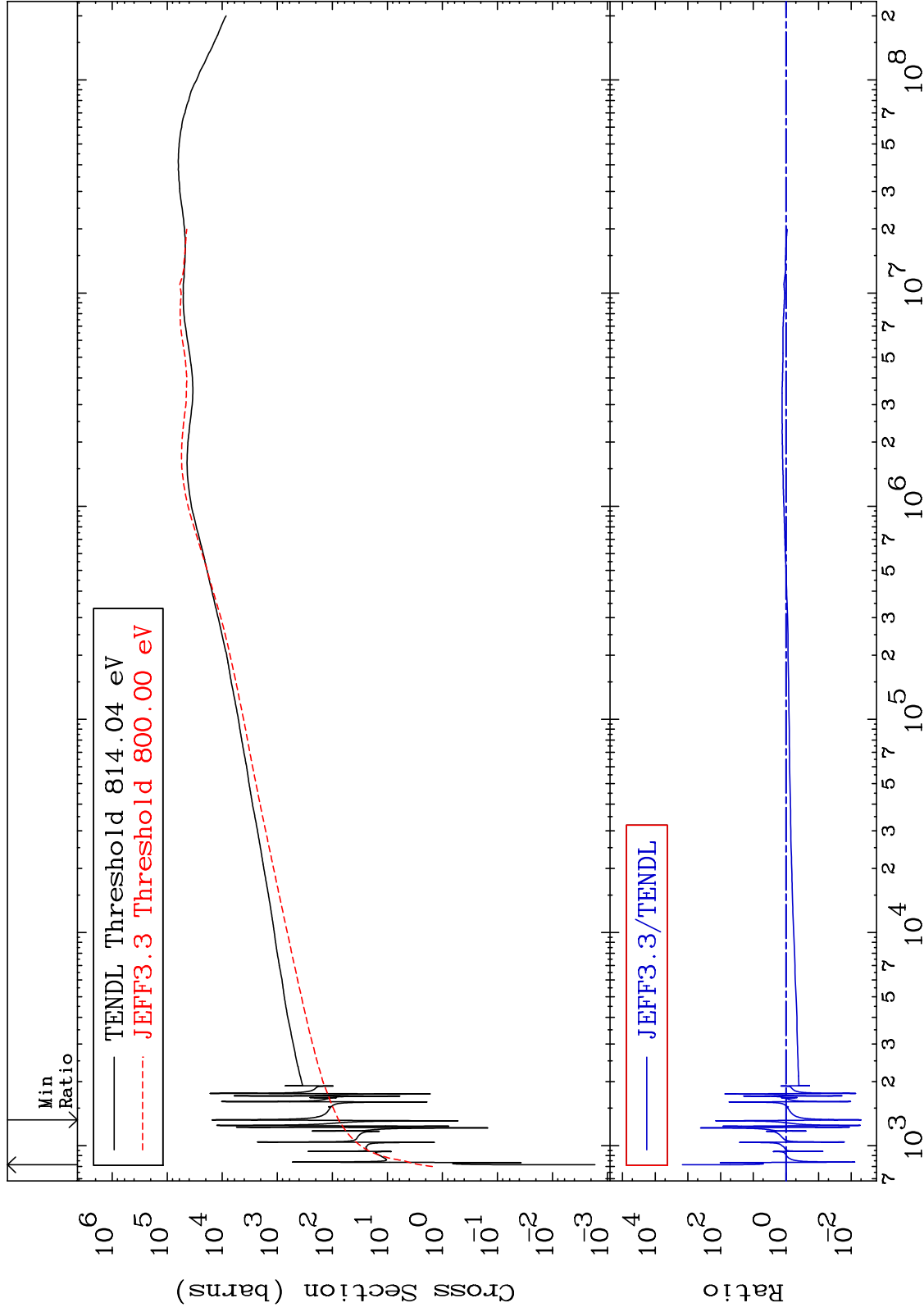
56-Ba-132
-99.58 To 9999. %



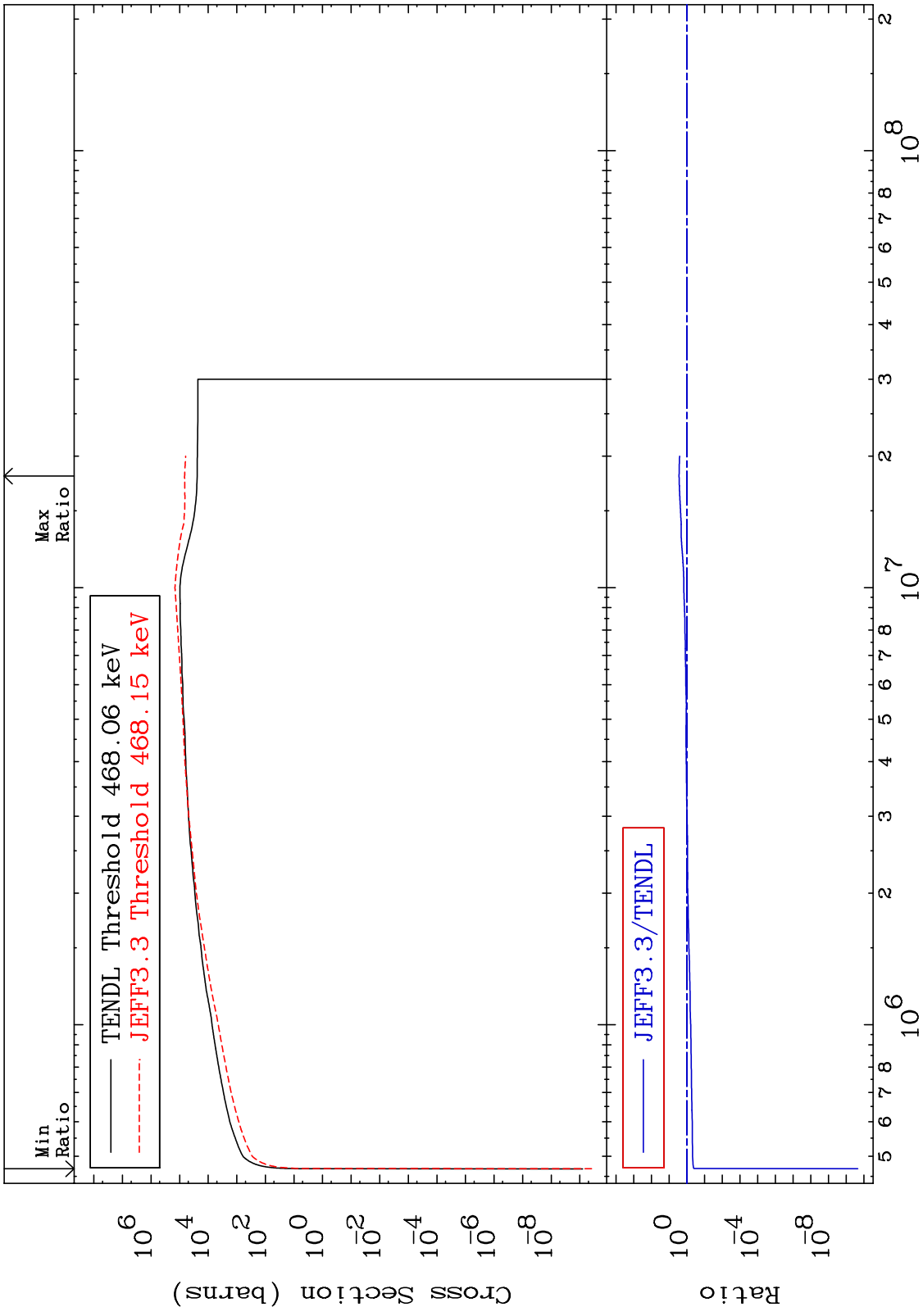
MAT 5631

Dpa elastic (mt2)
Cross Section

56-Ba-132
-99.51 To 9999. %



MAT 5631 Dpa inelastic (mt51-91) 56-Ba-132
 Cross Section -100.0 To 174.3 %



40 Incident Energy (eV) 56-Ba-132

