

Program Complot
(Version 2018-1)

by

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U.S.A.

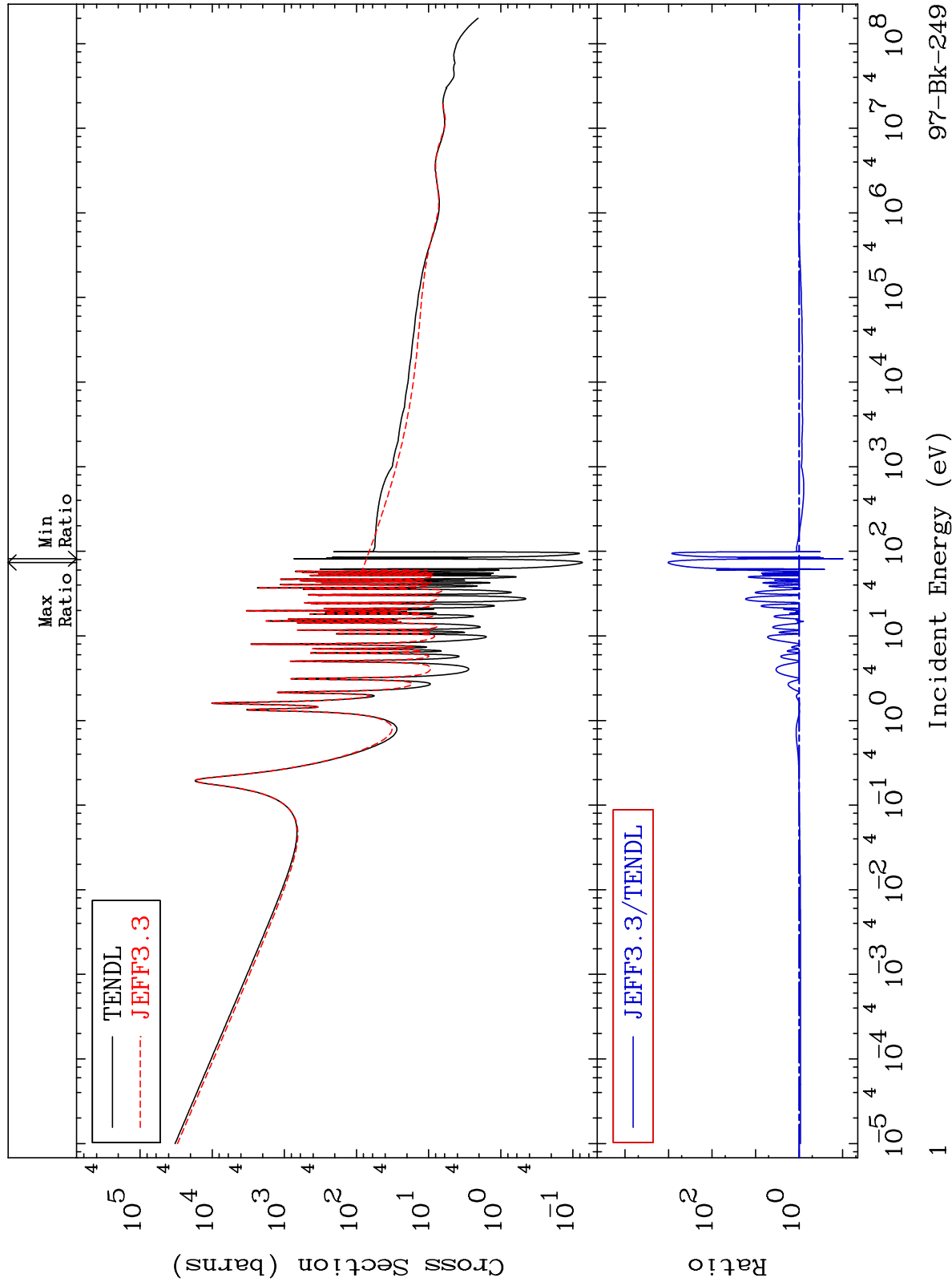
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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9752

Total Cross Section
97-Bk-249
-90.11 To 9999. %



97-Bk-249

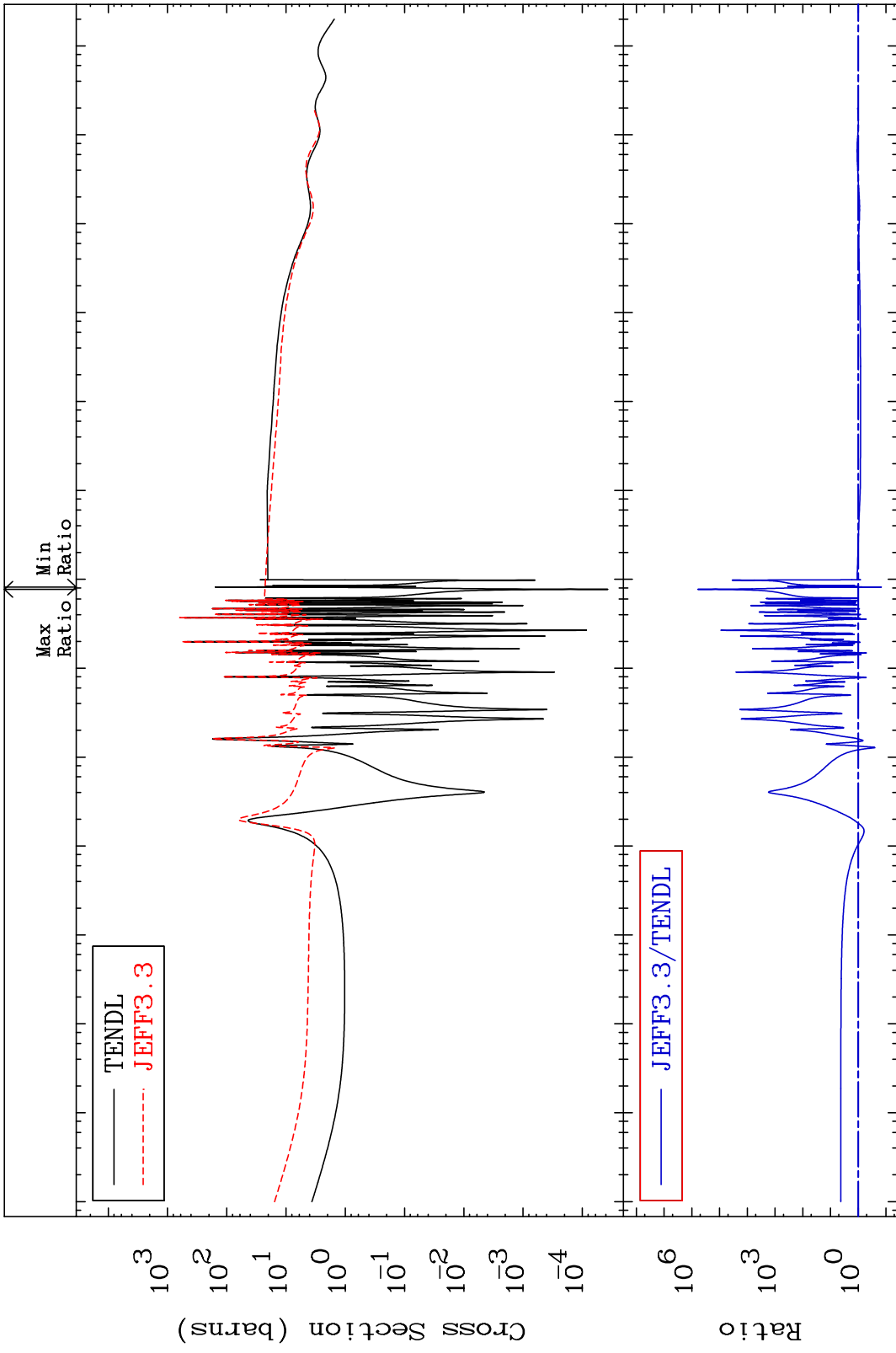
MAT 9752

Elastic

97-Bk-249

Cross Section

-85.48 To 9999. %



— TENDL
- - - JEFF3.3

— JEFF3.3/TENDL

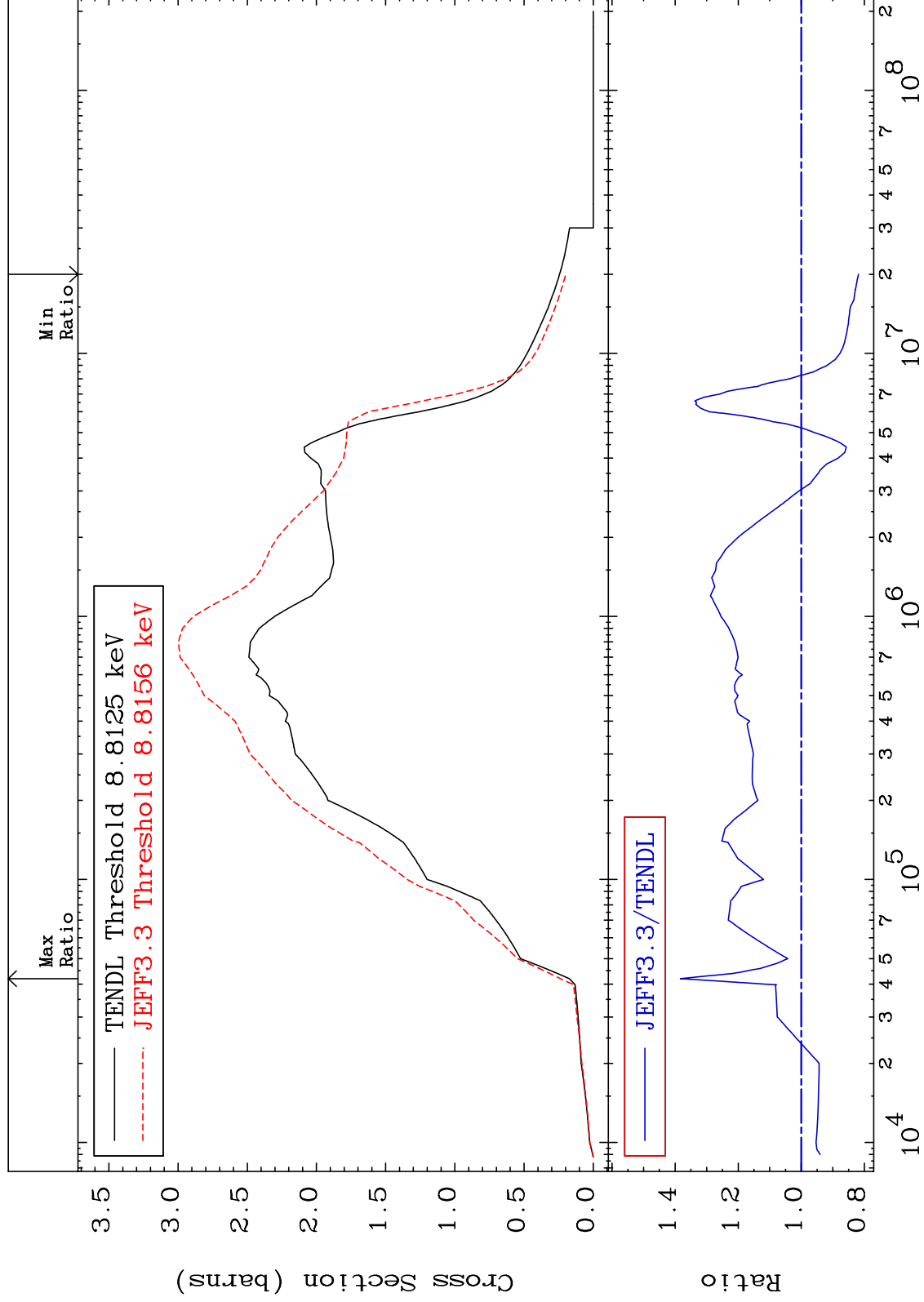
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV)

MAT 9752

Inelastic
Cross Section

97-Bk-249

-18.15 To 38.31 %



97-Bk-249

3

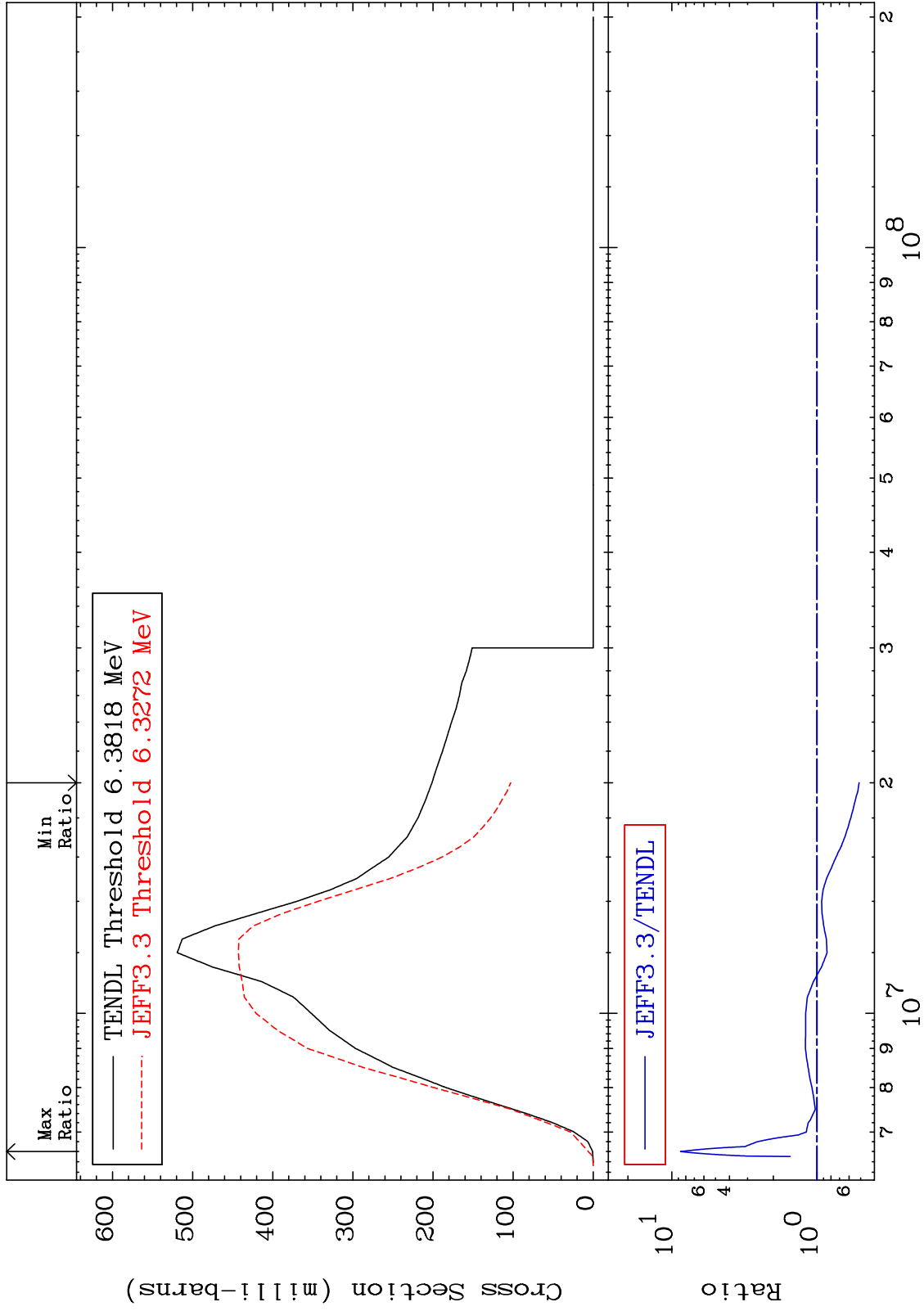
MAT 9752

(n, 2n)

97-Bk-249

Cross Section

-48.79 To 768.4 %



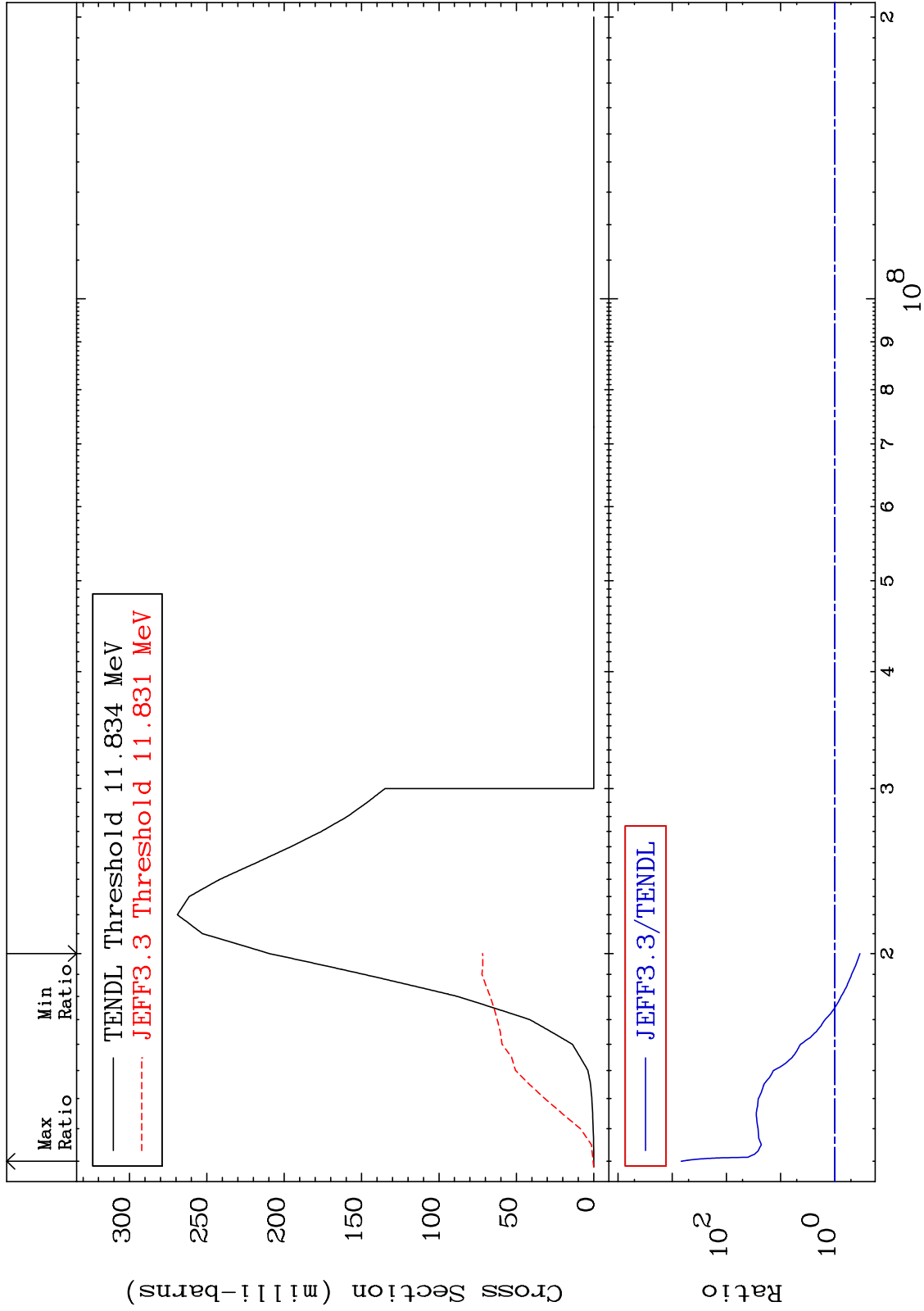
MAT 9752

(n, 3n)

97-Bk-249

Cross Section

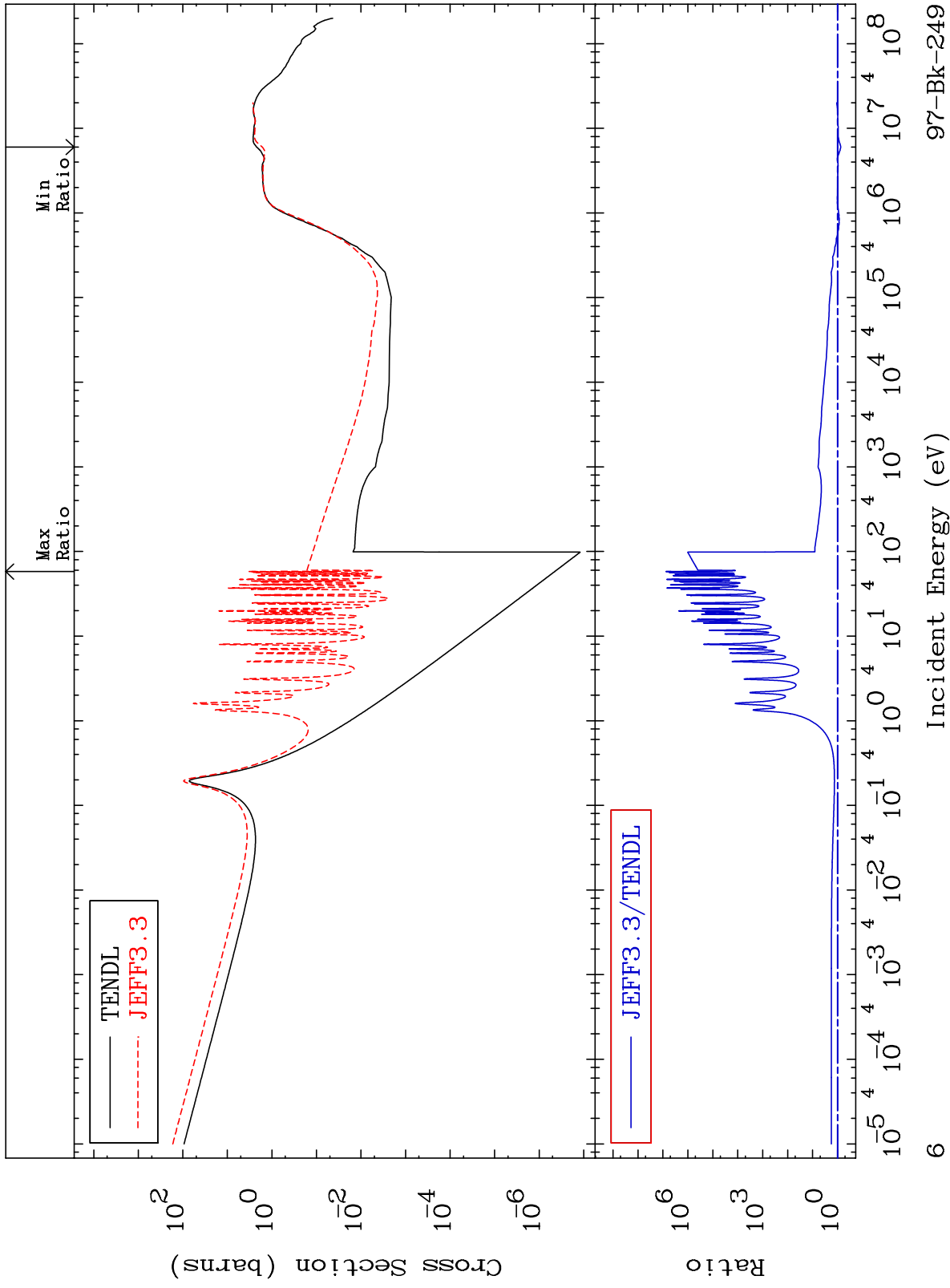
-65.79 To 9999. %



MAT 9752

Fission
Cross Section

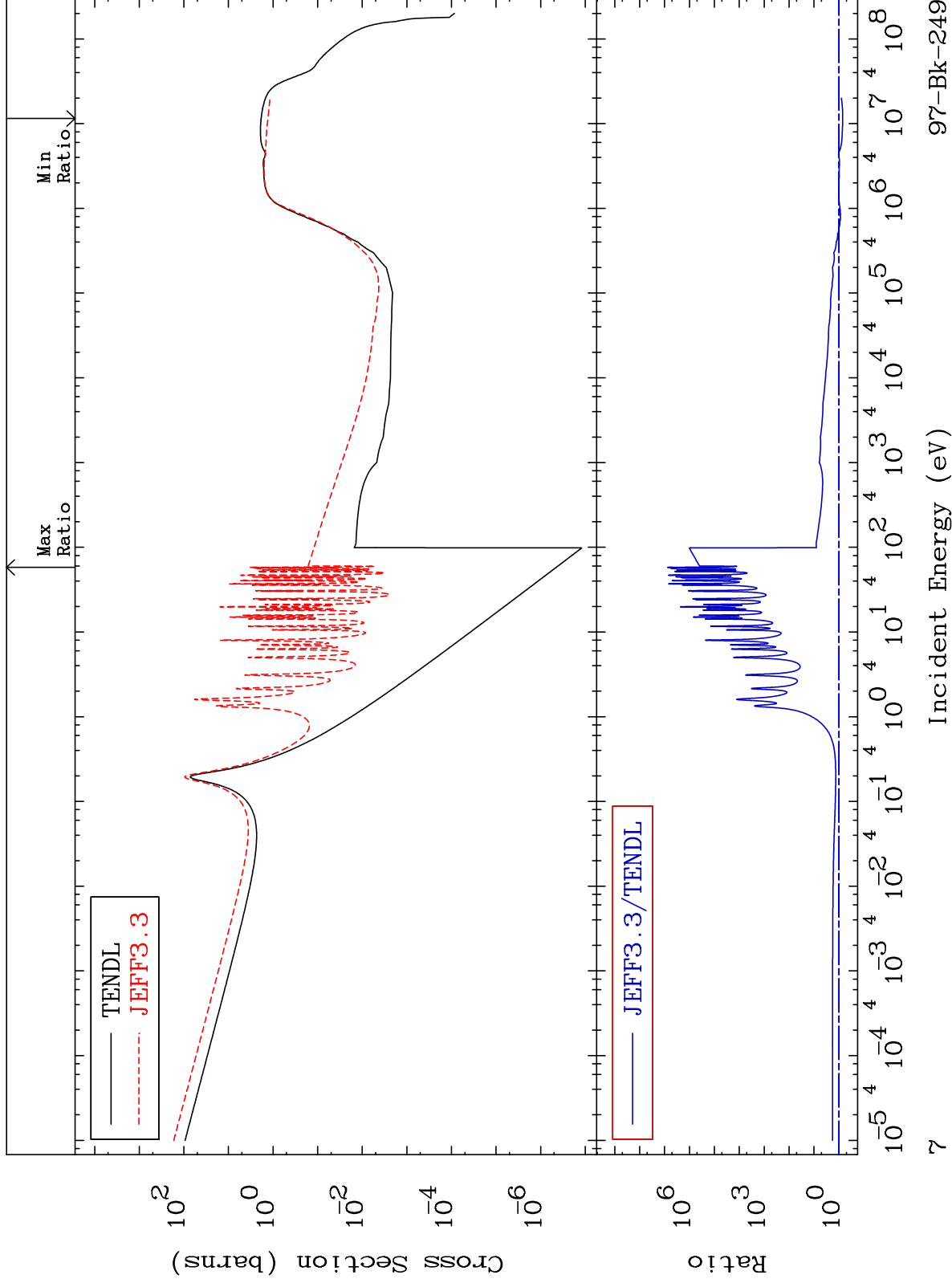
97-Bk-249
-25.73 To 9999. %



MAT 9752

(n,f) First Chance
Cross Section

97-Bk-249
-29.48 To 9999. %



97-Bk-249

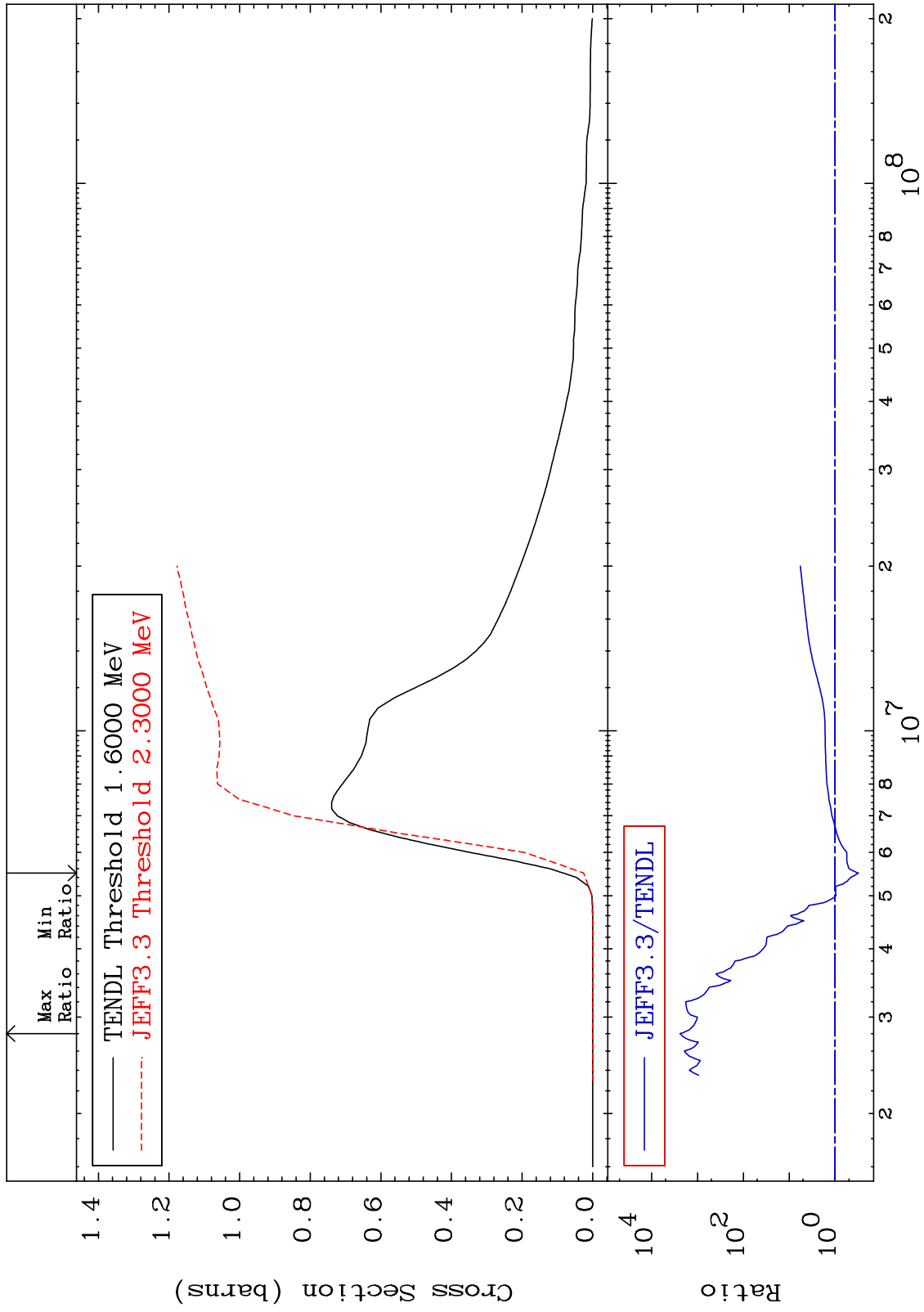
Incident Energy (eV)

7

MAT 9752

(n, nf) Second Chance
Cross Section

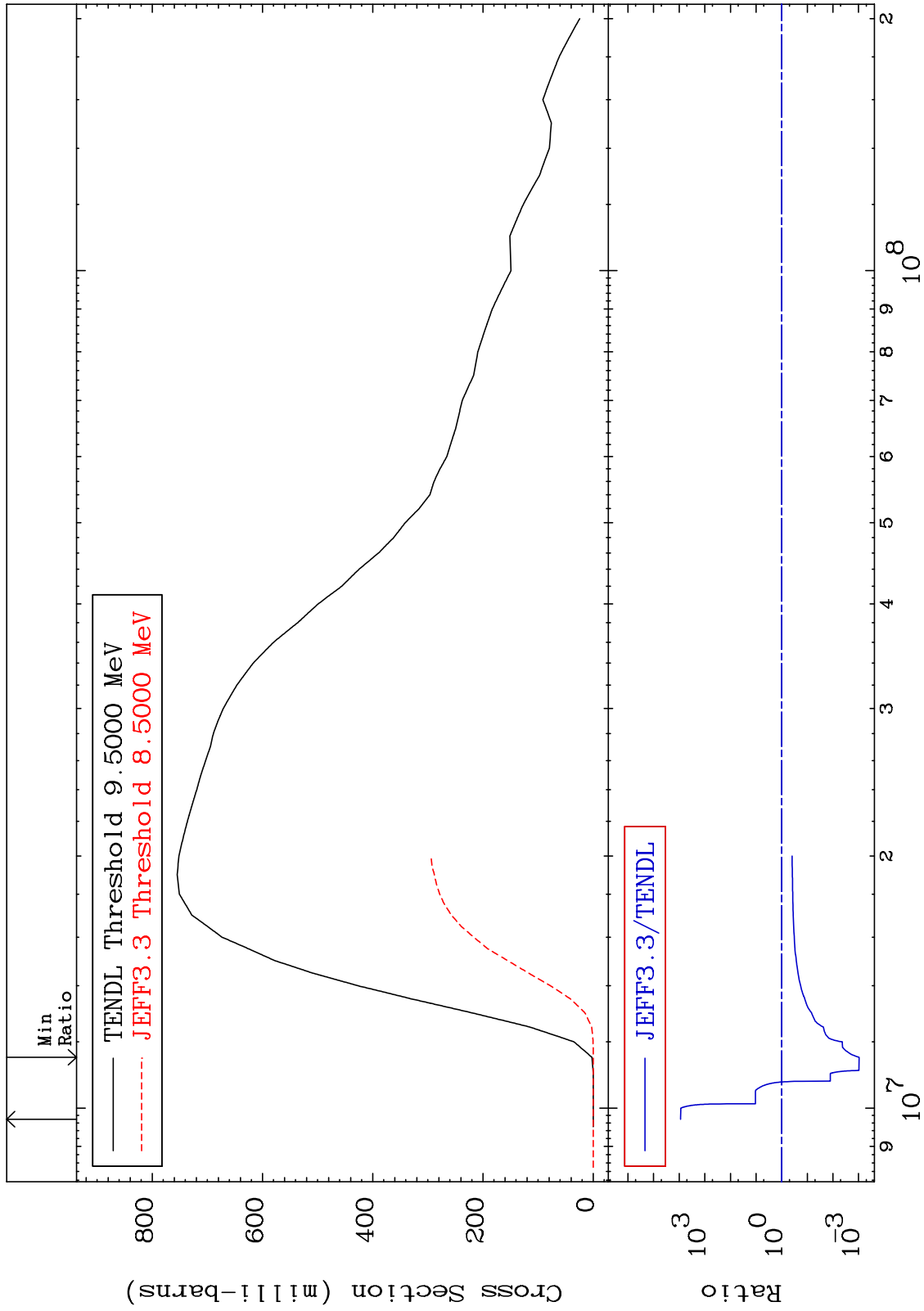
97-Bk-249
-68.99 To 9999. %



MAT 9752

(n,2nf) Third Chance
Cross Section

97-Bk-249
-99.91 To 9999. %



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Incident Energy (eV)

97-Bk-249

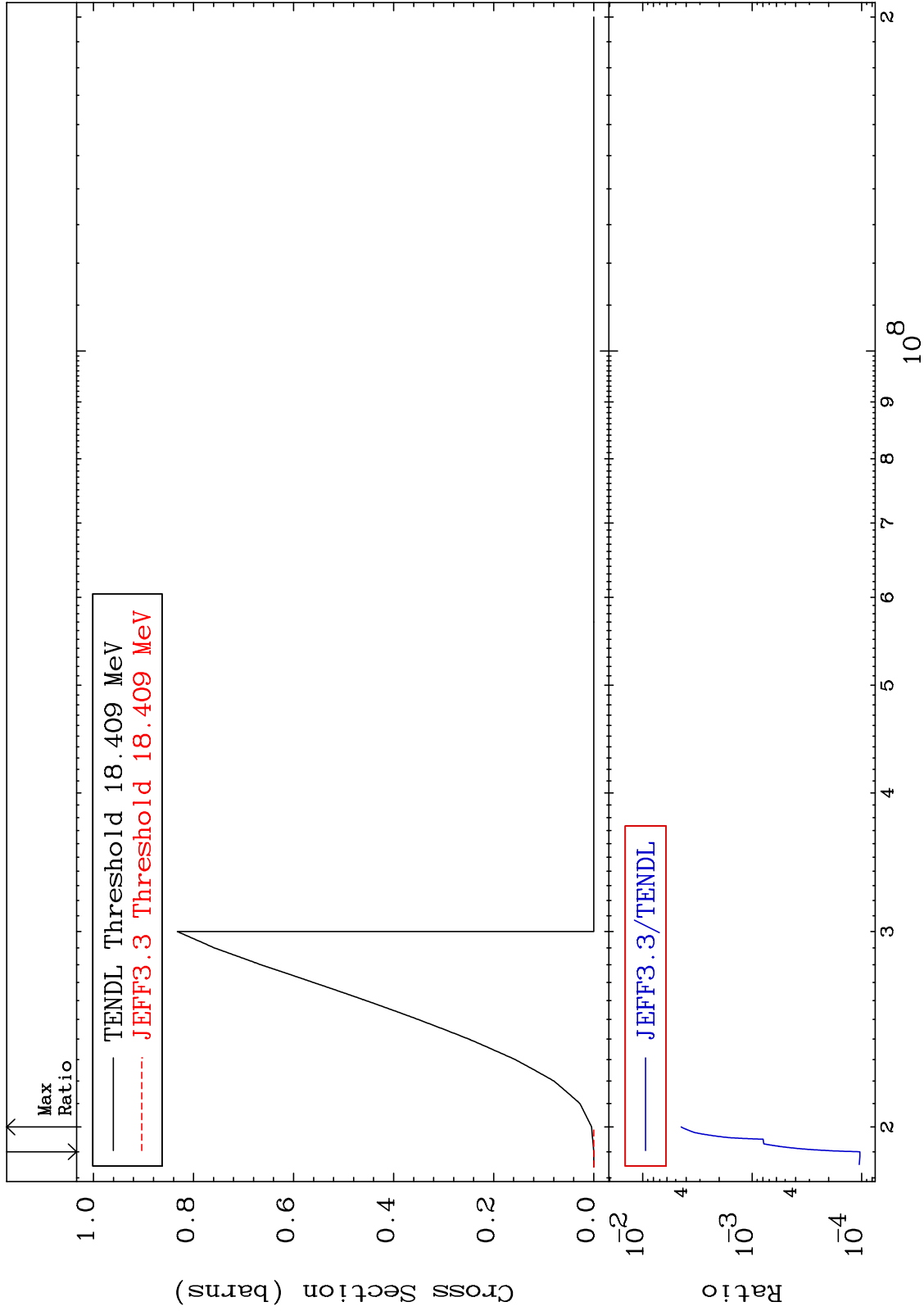
MAT 9752

(n, 4n)

97-Bk-249

Cross Section

-99.99 To -99.56%



10

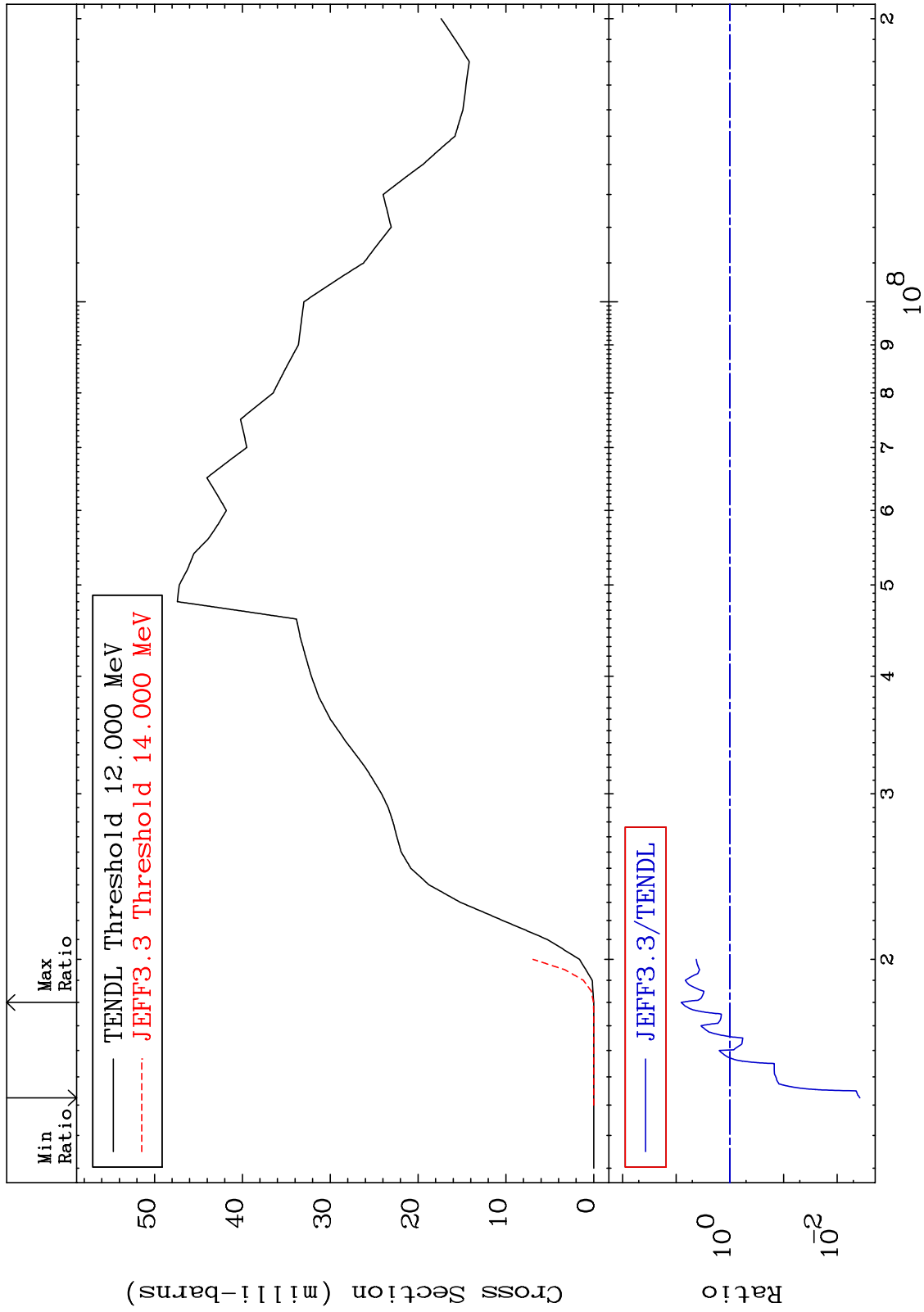
Incident Energy (eV)

97-Bk-249

MAT 9752

(n,3nf) Fourth Chance
Cross Section

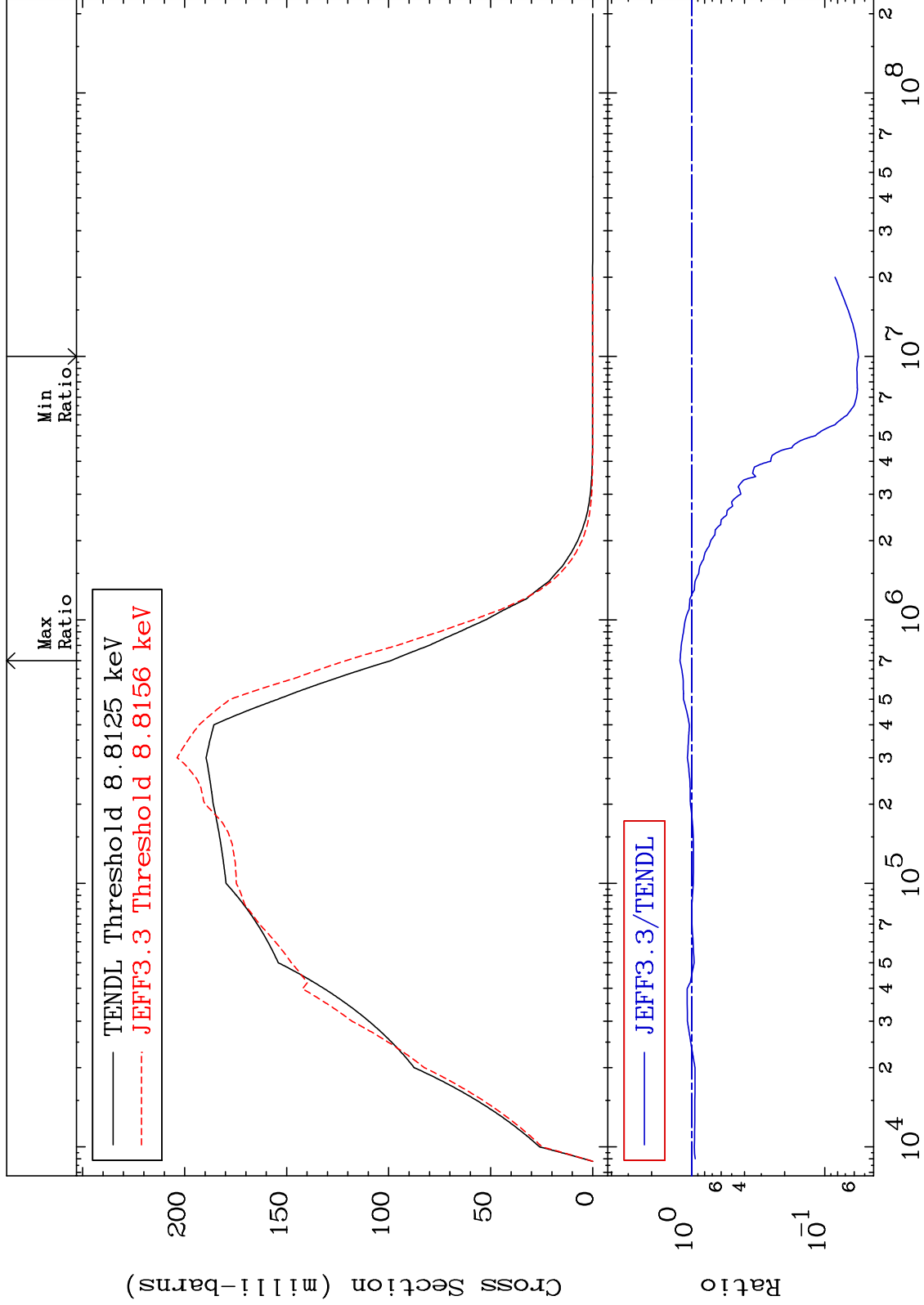
97-Bk-249
-99.62 To 706.1 %



MAT 9752

MT= 51 (n,n') Level
Cross Section

97-Bk-249
-94.42 To 22.29 %



Incident Energy (eV)

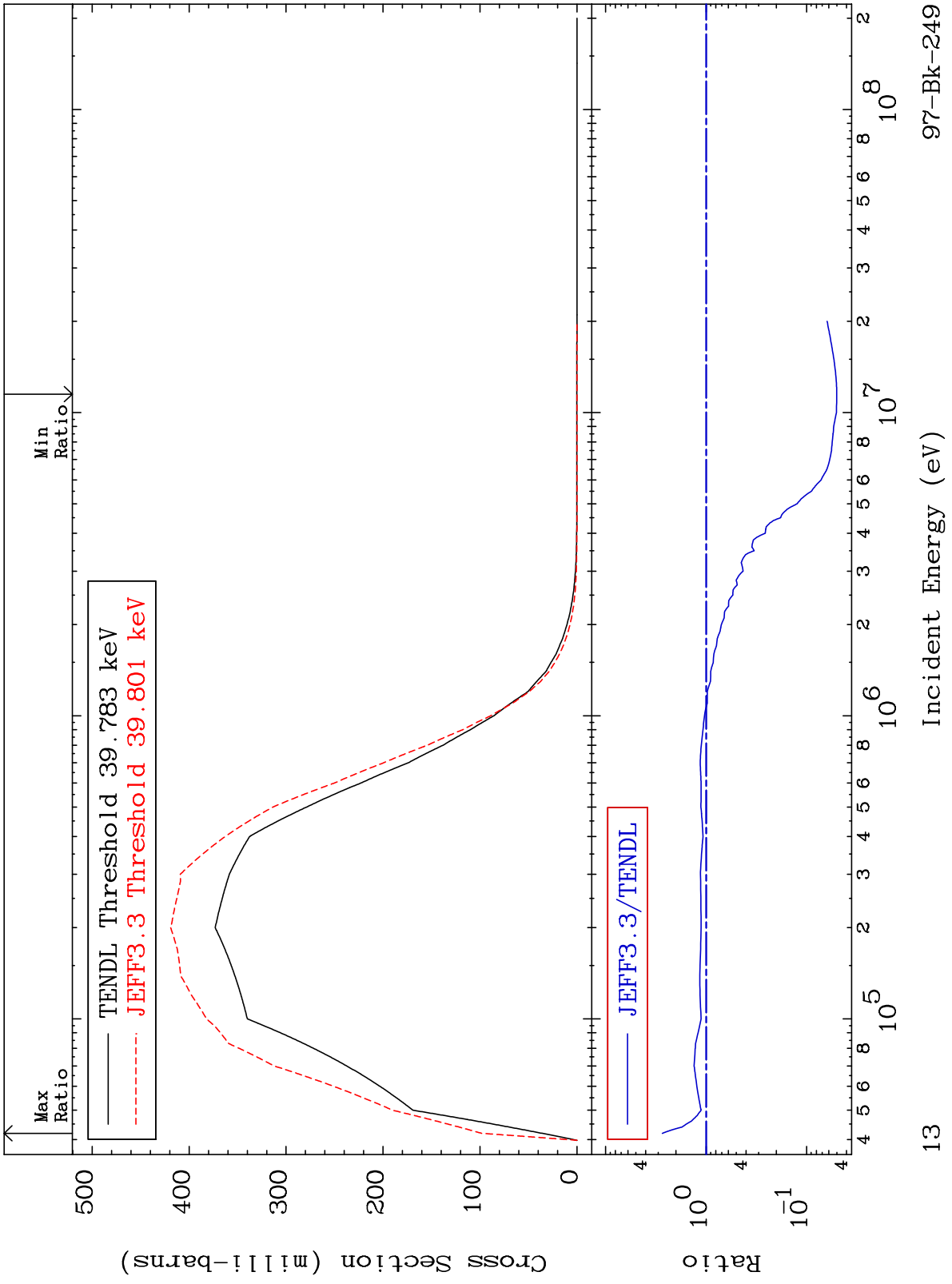
97-Bk-249

12

MAT 9752

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

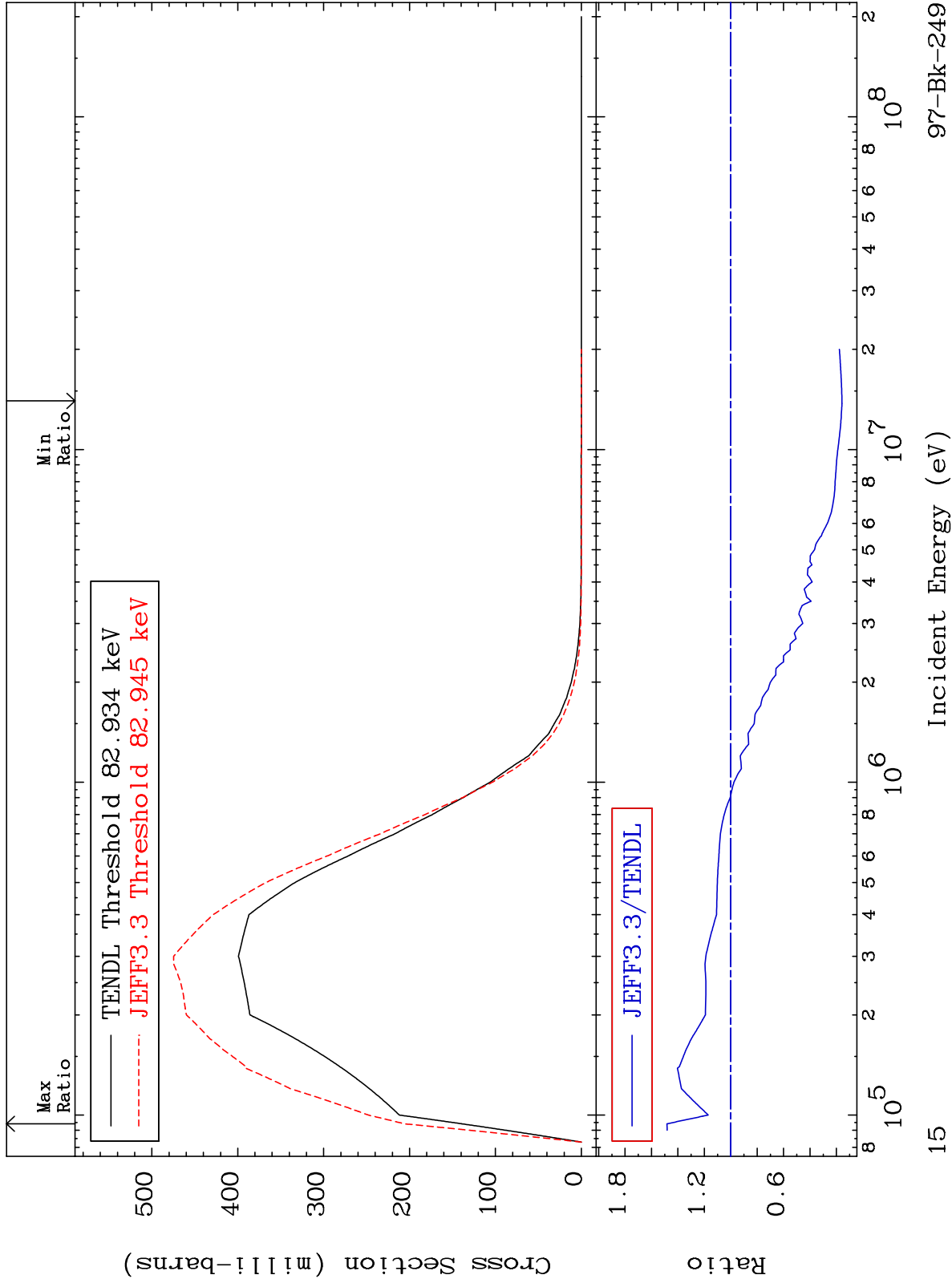
97-Bk-249
-94.99 To 172.6 %



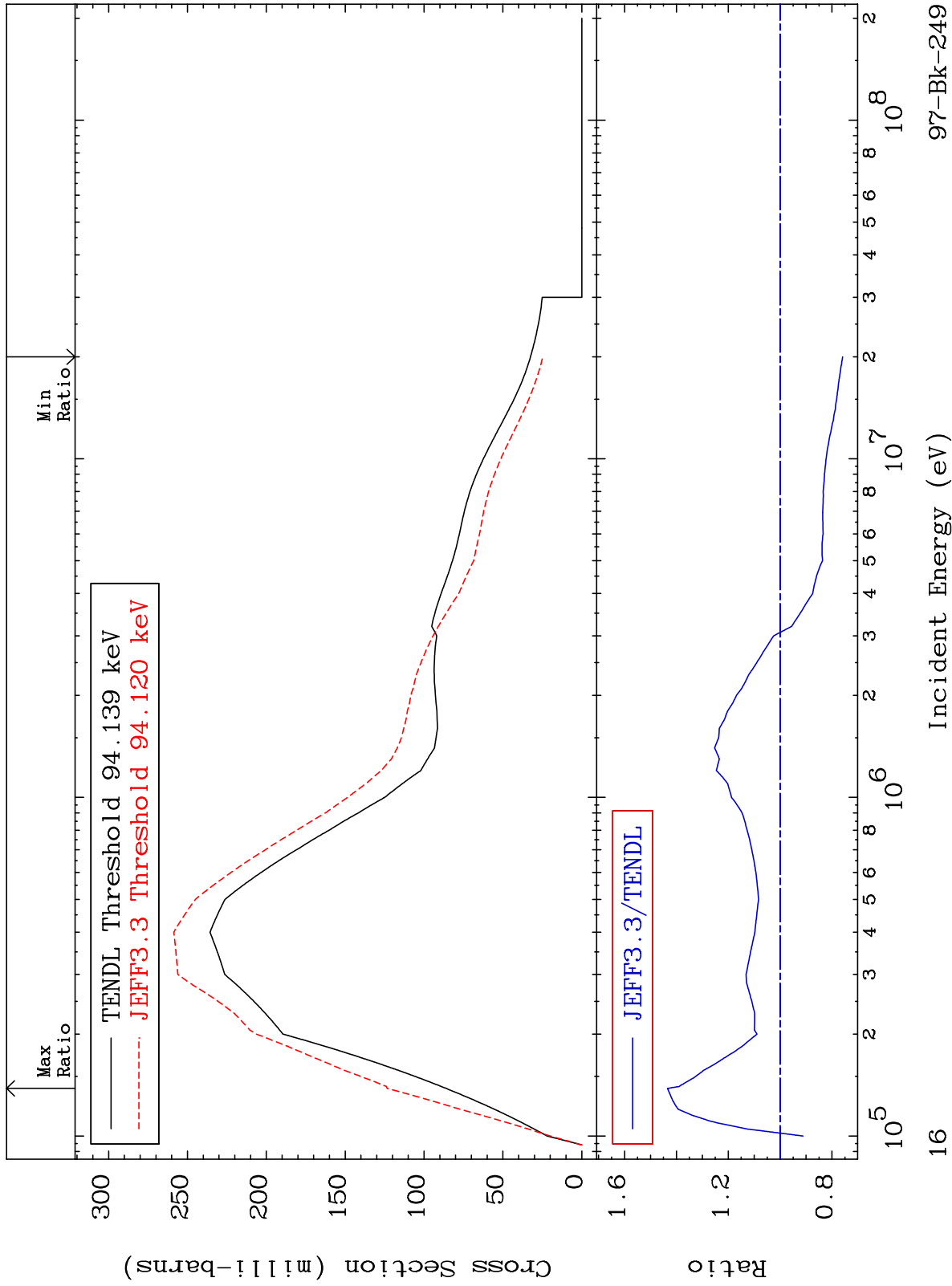
MAT 9752

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

97-Bk-249
-84.17 To 48.27 %



MAT 9752 MT= 55 (n,n') Level 97-Bk-249
Cross Section -24.12 To 43.42 %



97-Bk-249

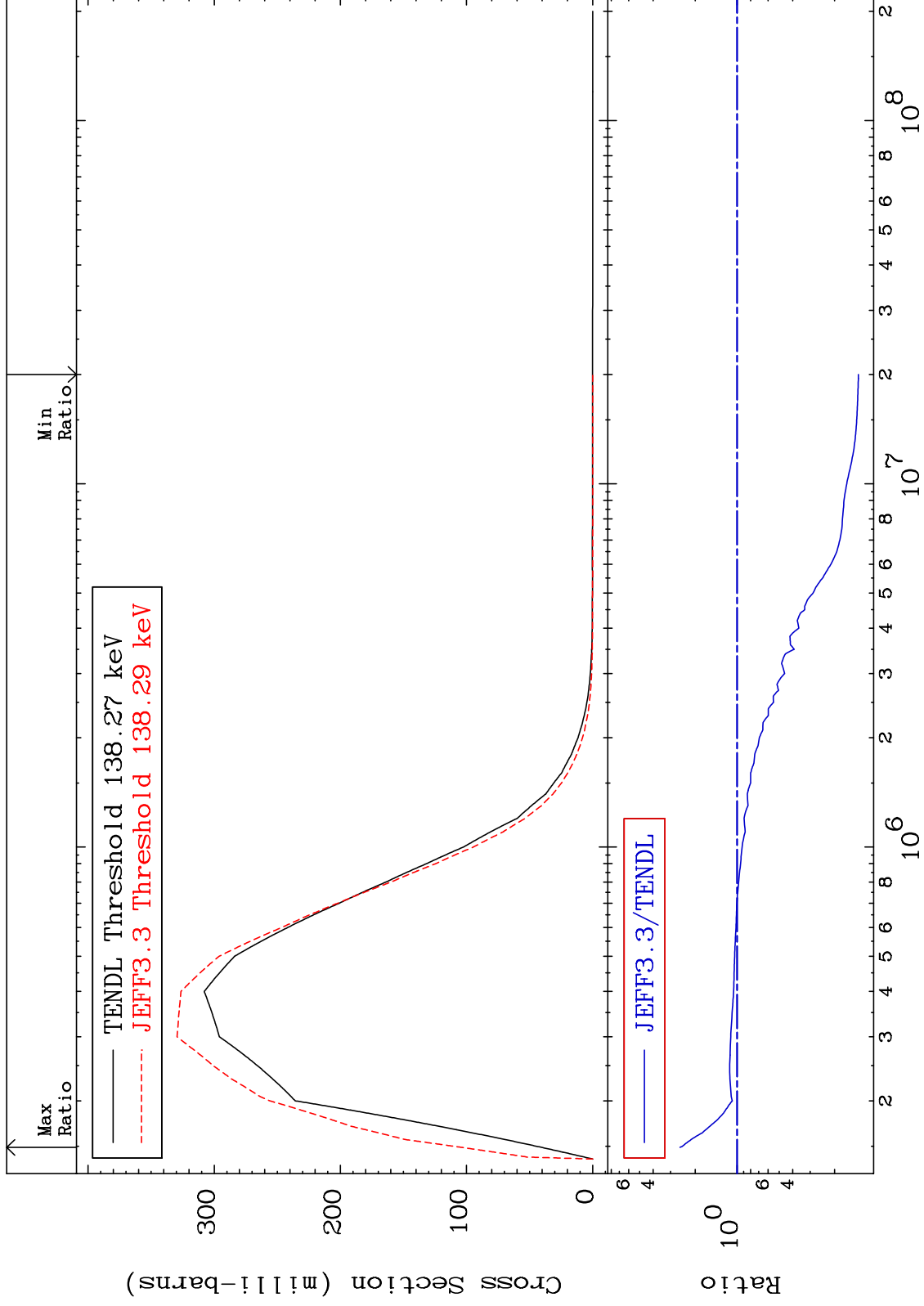
Incident Energy (eV)

16

MAT 9752

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

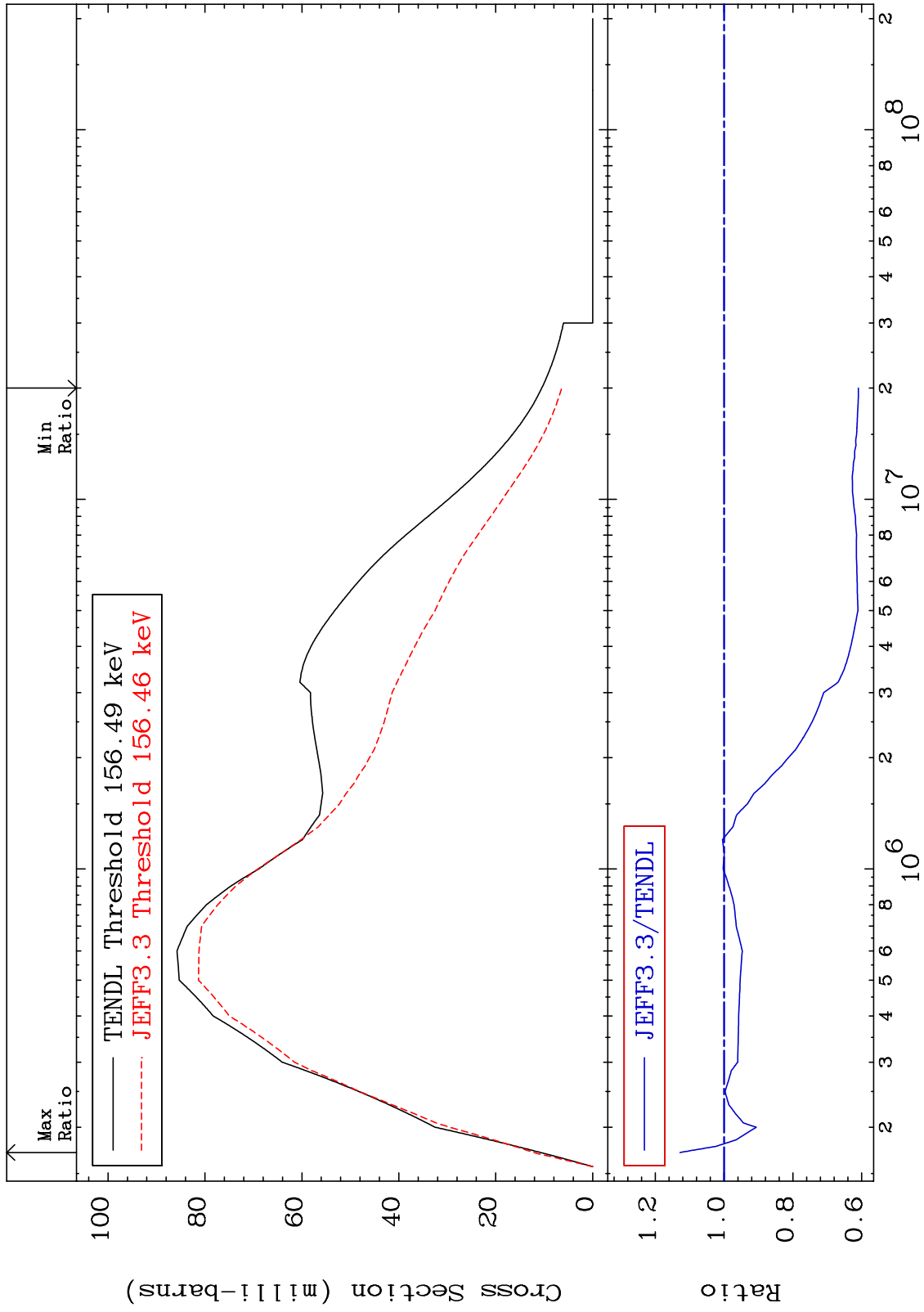
97-Bk-249
-86.48 To 157.0 %



MAT 9752

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

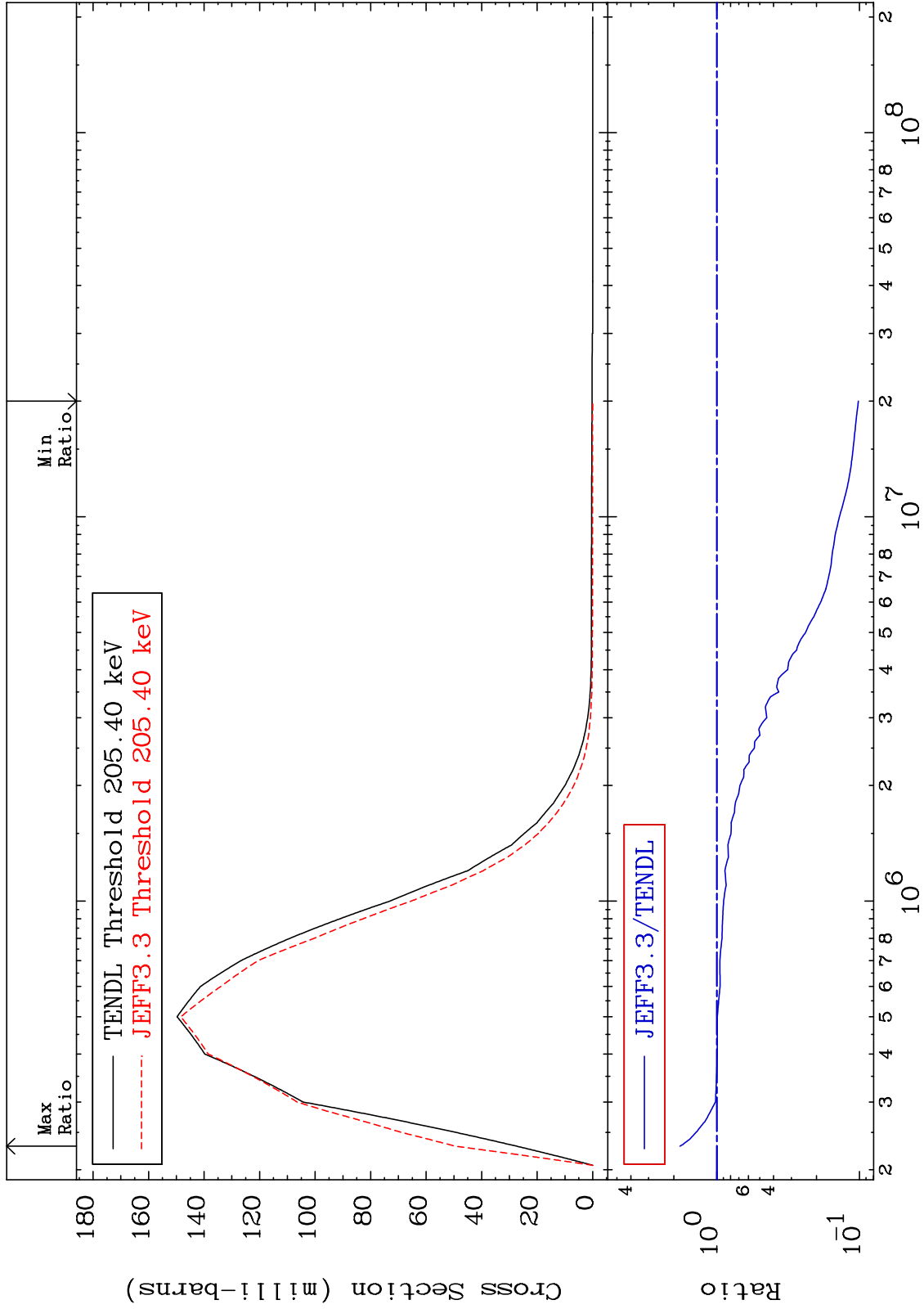
97-Bk-249
-39.04 To 12.82 %



MAT 9752

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

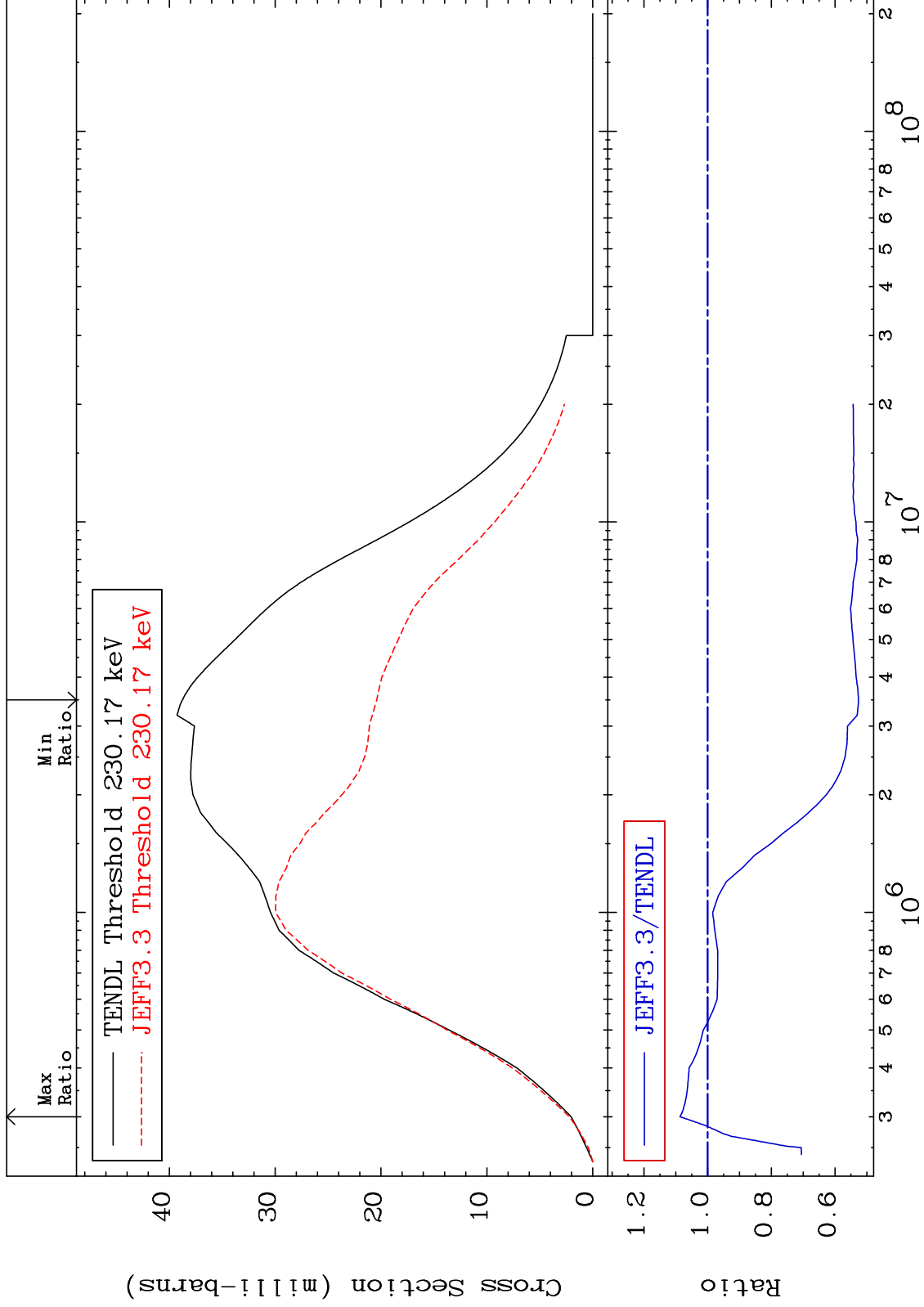
97-Bk-249
-89.82 To 80.88 %



MAT 9752

MT= 59 (n,n') Level
Cross Section

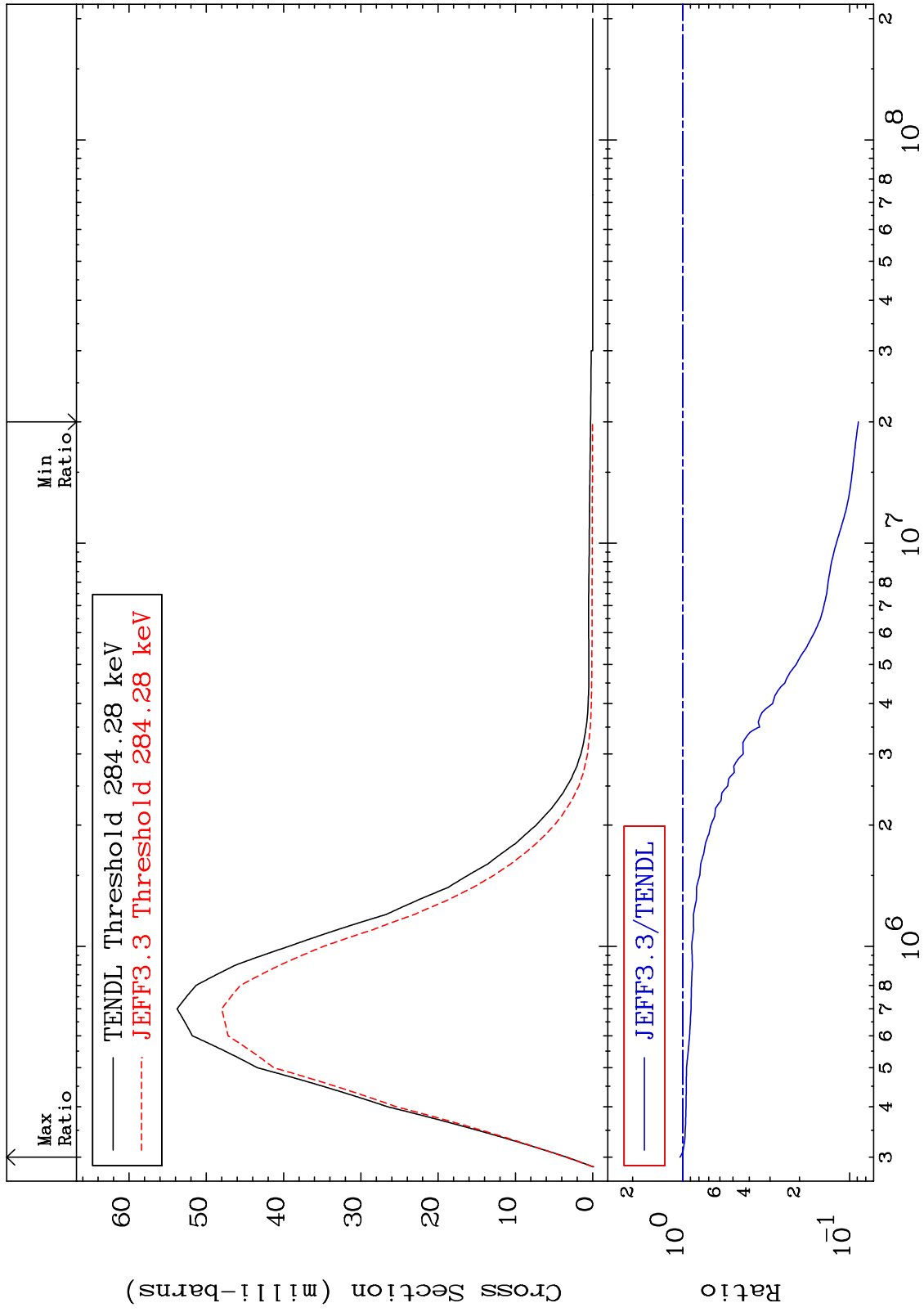
97-Bk-249
-47.35 To 8.680 %



MAT 9752

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

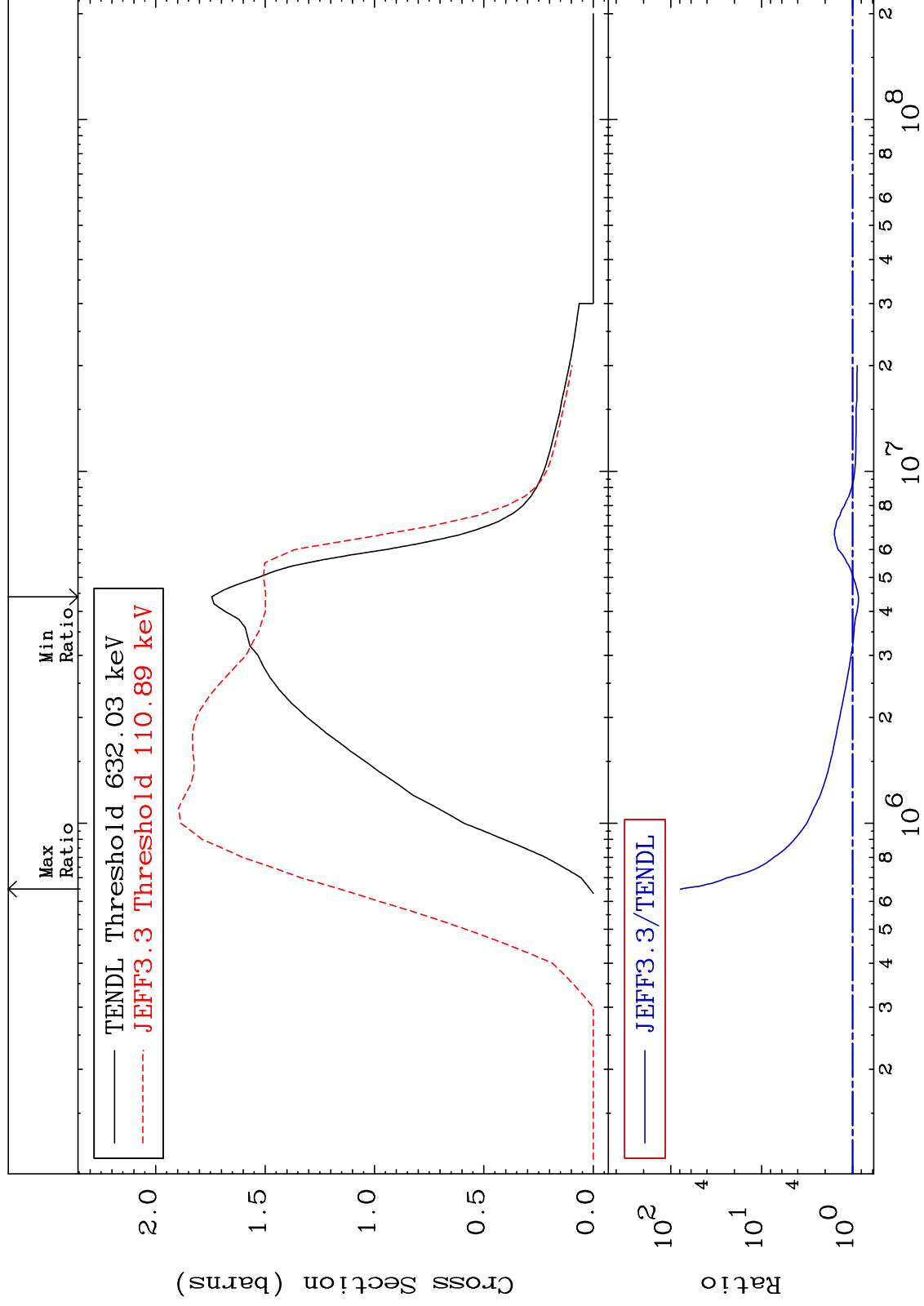
97-Bk-249
-91.14 To 3.934 %



MAT 9752

(n, n') Continuum
Cross Section

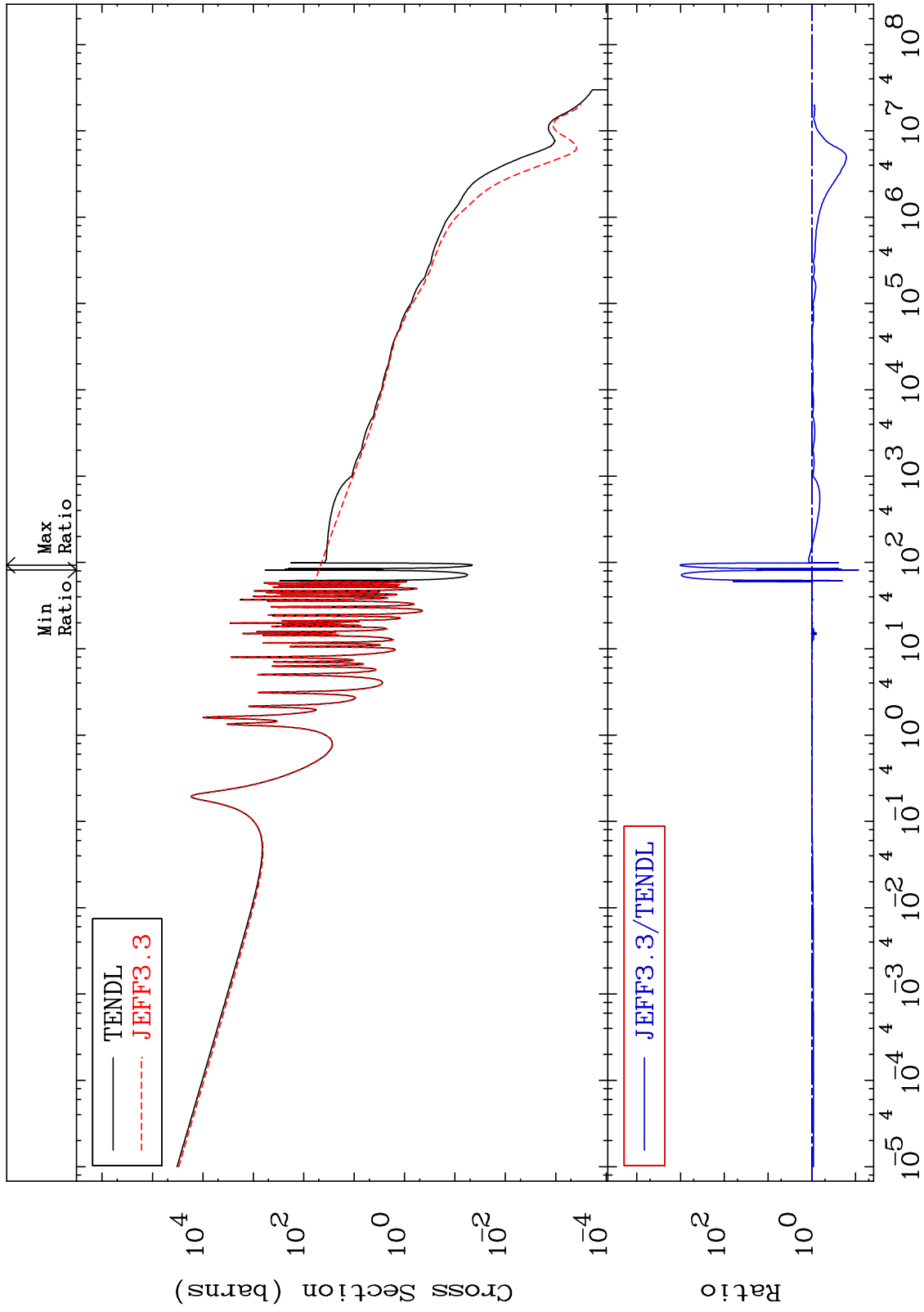
97-Bk-249
-14.13 To 7742. %



MAT 9752

(n, γ)
Cross Section

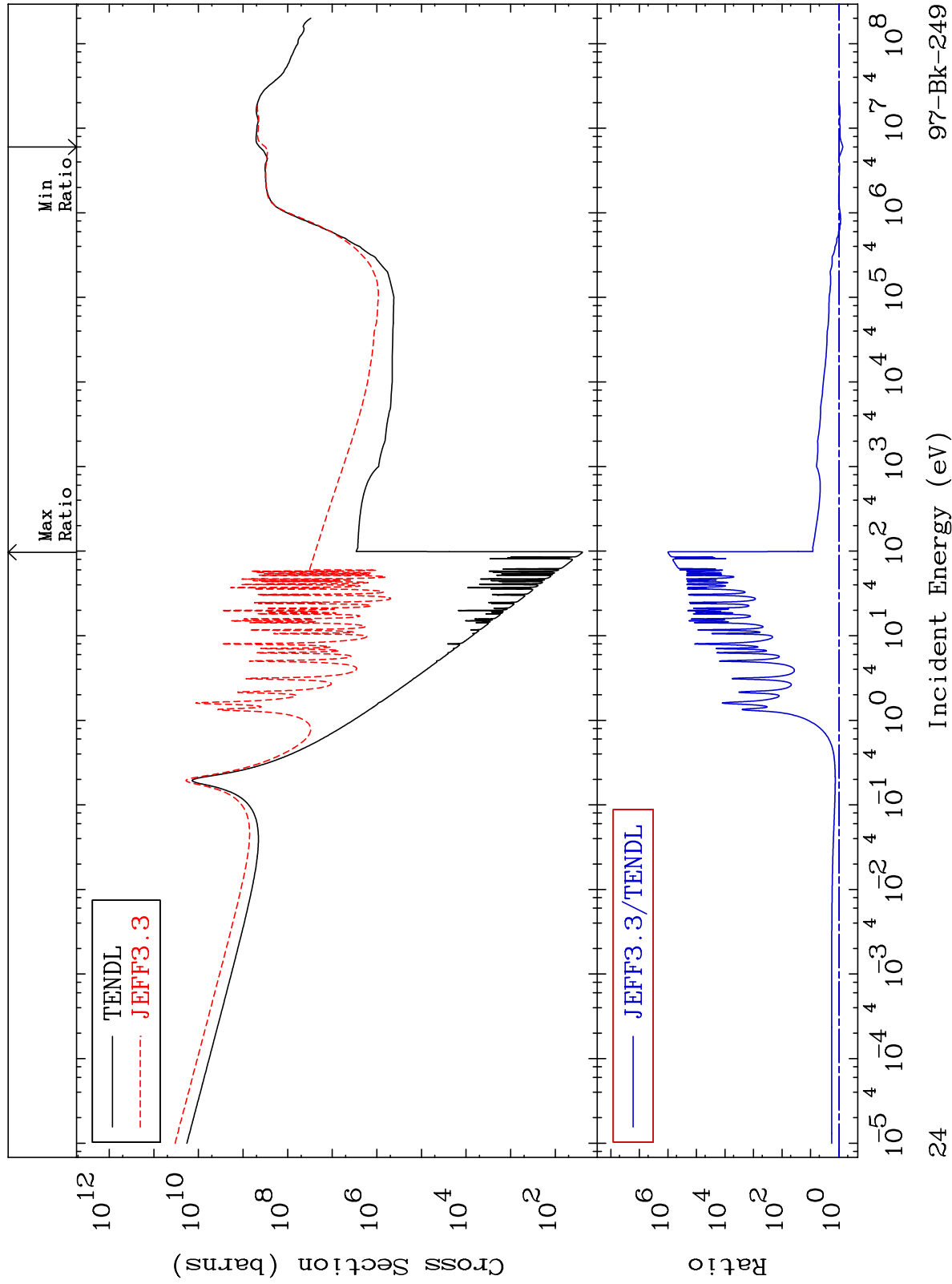
97-Bk-249
-91.38 To 9999. %



MAT 9752

Kerma total (eV-barns)
Cross Section

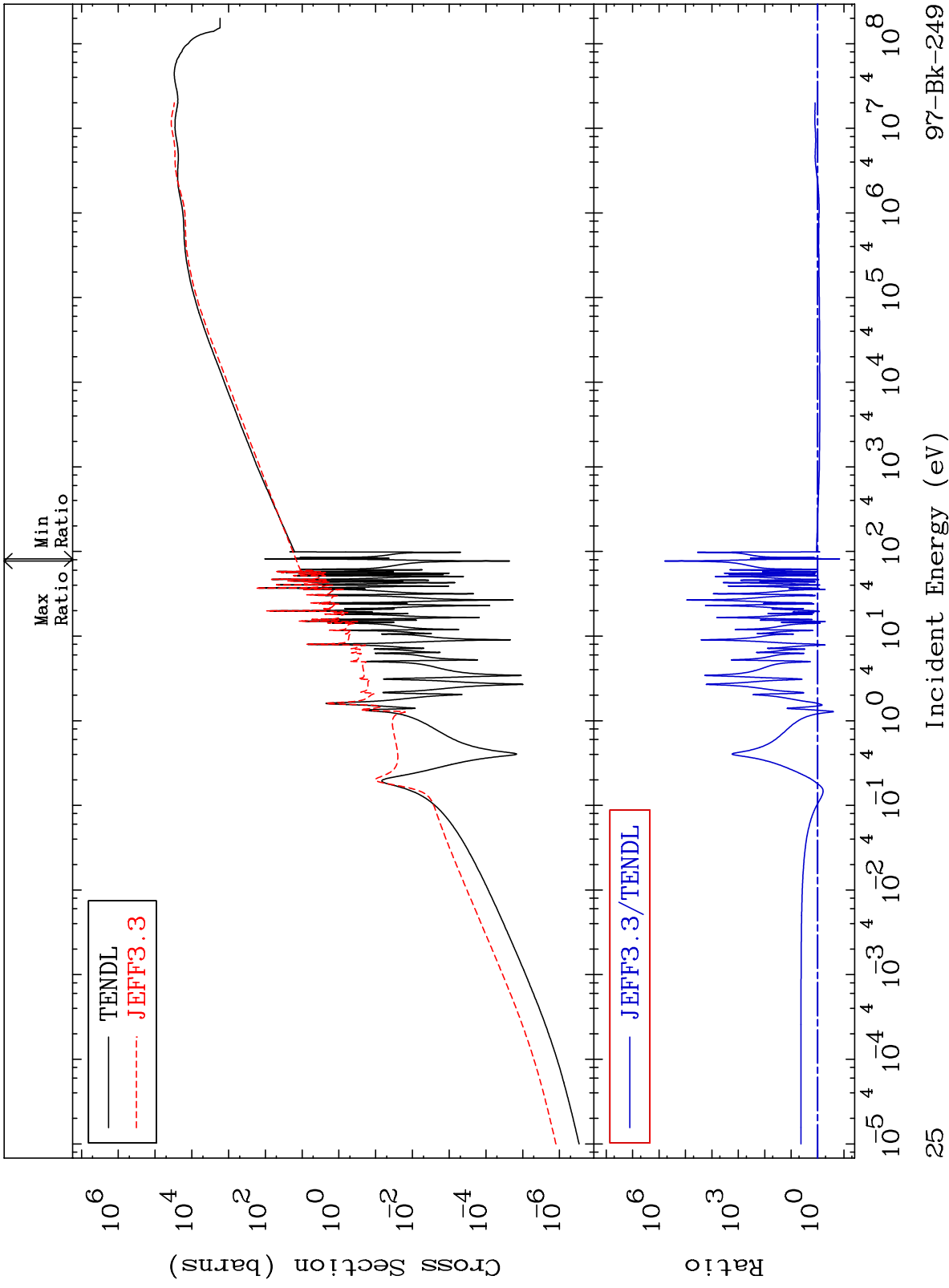
97-Bk-249
-25.86 To 9999. %



MAT 9752

Kerma elastic
Cross Section

97-Bk-249
-85.48 To 9999. %



25

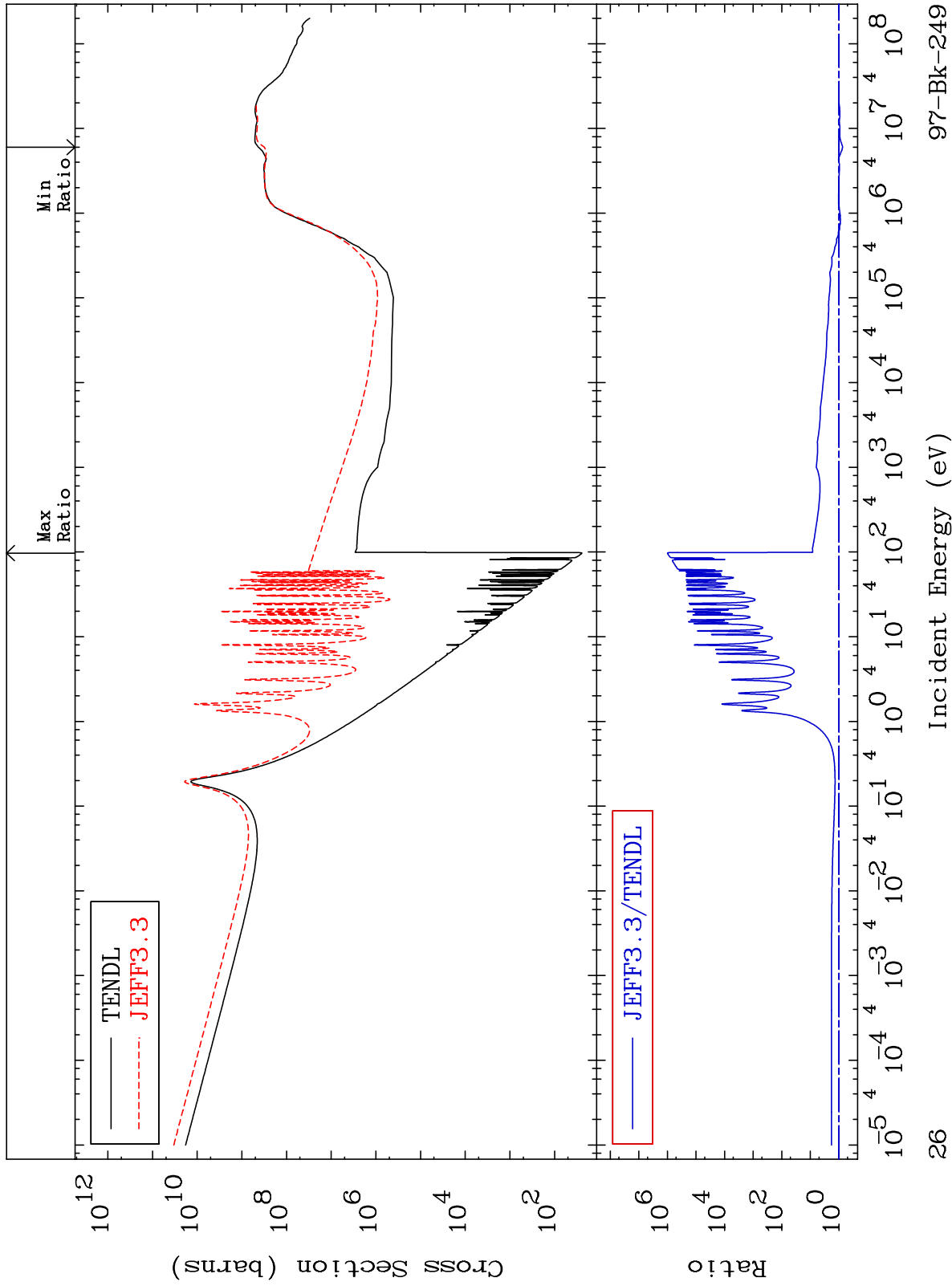
Incident Energy (eV)

97-Bk-249

MAT 9752

Kerma non-elastic (all but mt2)
Cross Section

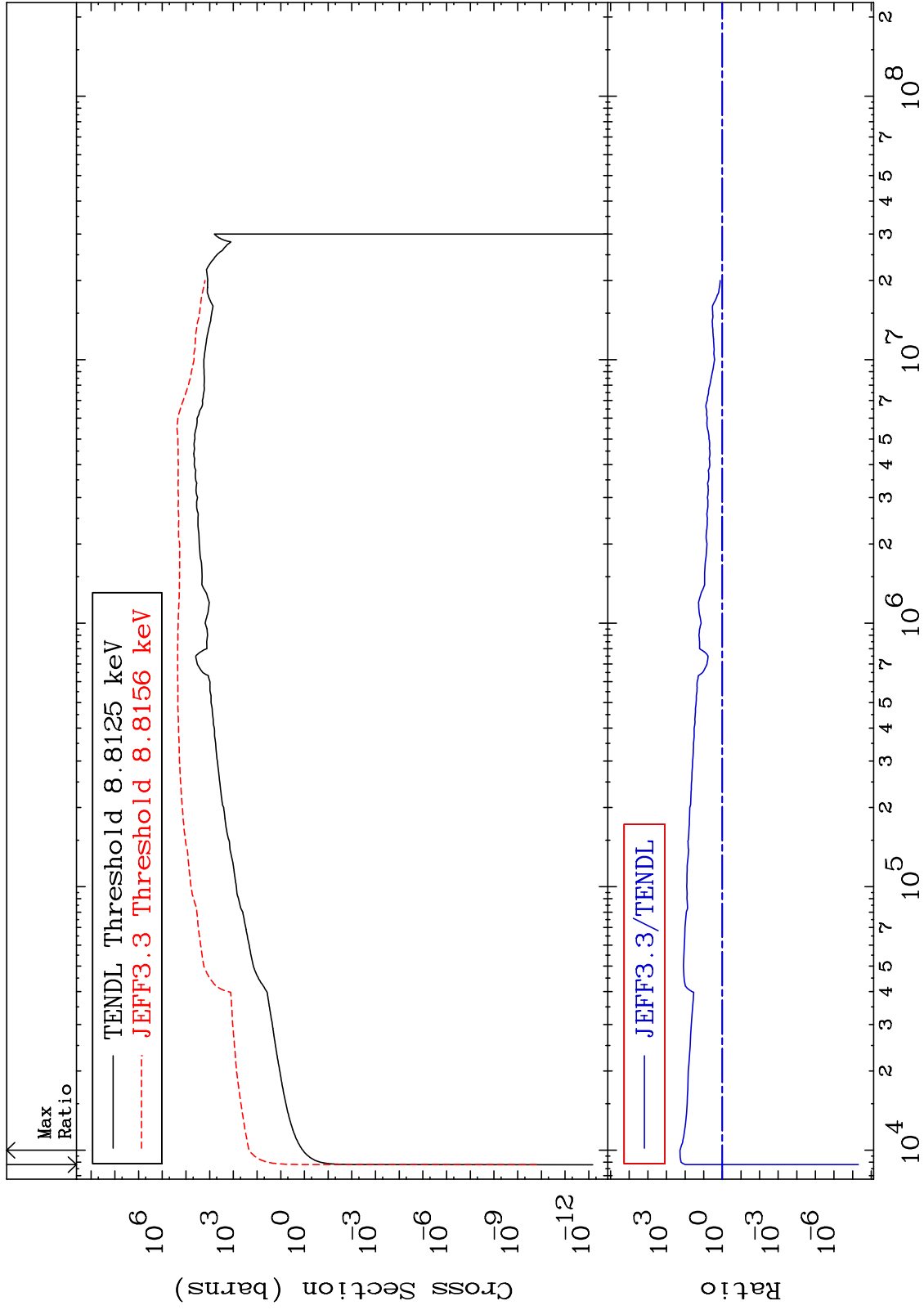
97-Bk-249
-25.86 To 9999. %



MAT 9752

Kerma inelastic (mt51-91)
Cross Section

97-Bk-249
-100.0 To 9999. %



27

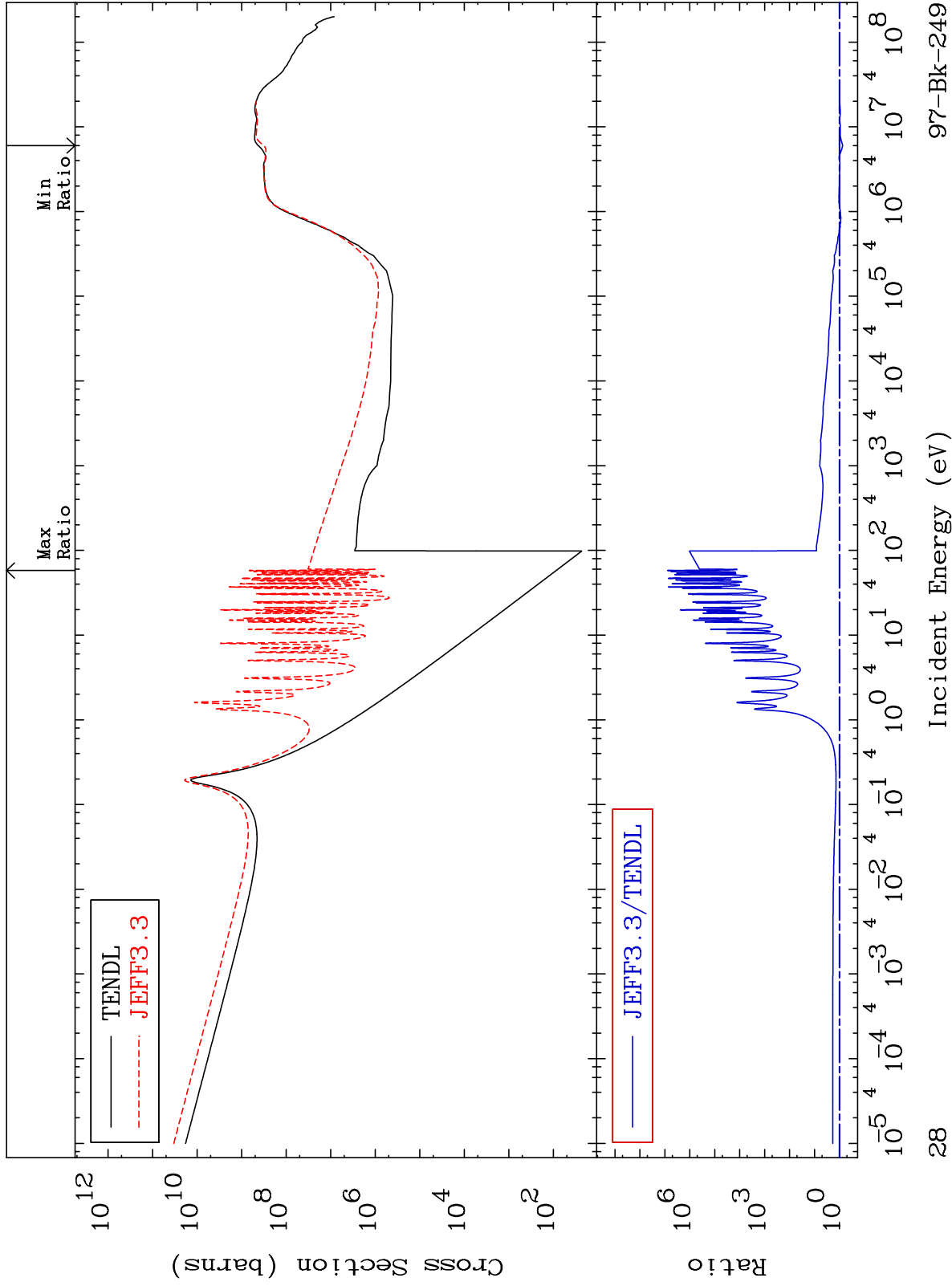
Incident Energy (eV)

97-Bk-249

MAT 9752

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

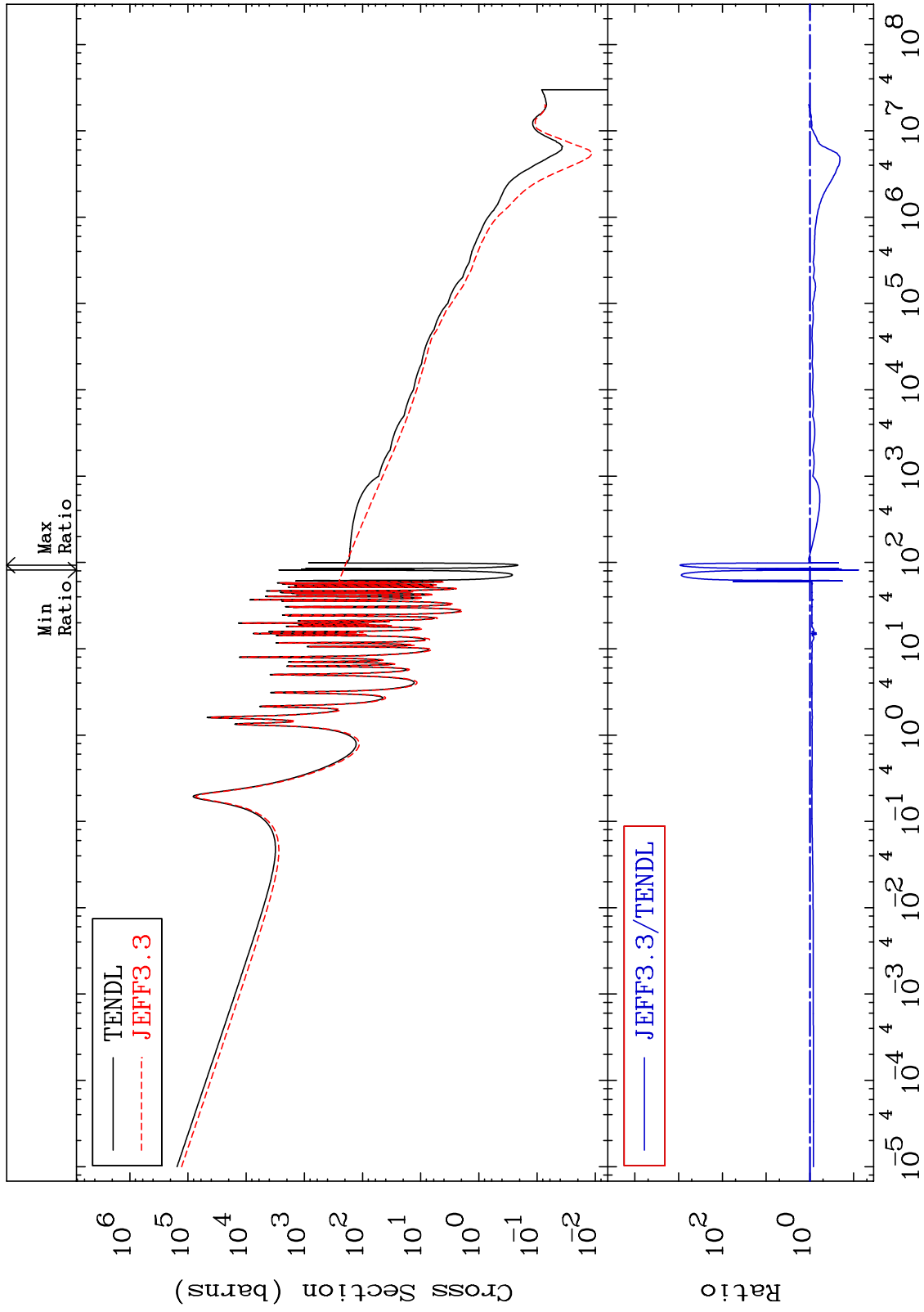
97-Bk-249
-25.91 To 9999. %



MAT 9752

Kerma capture (mt102)
Cross Section

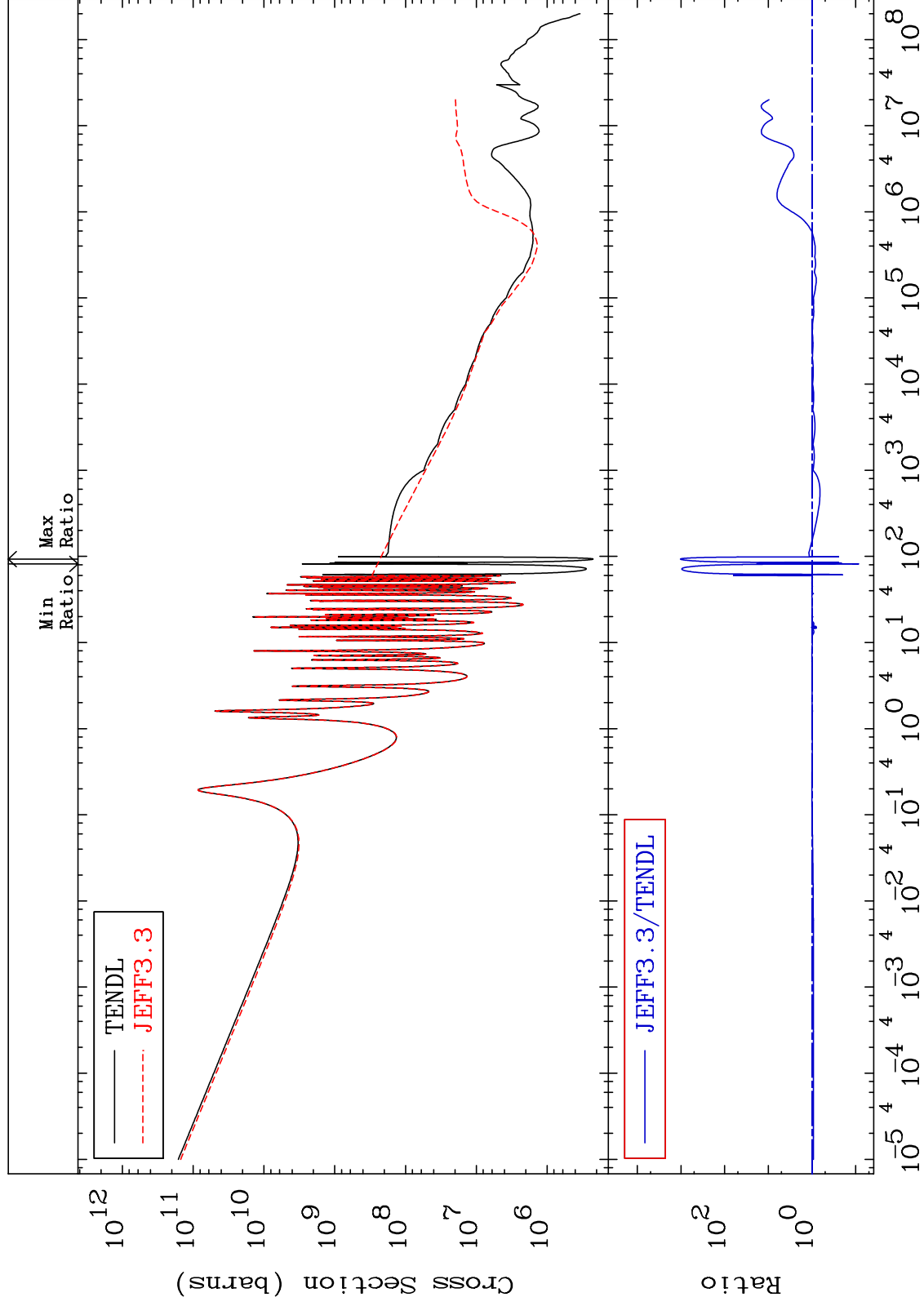
97-Bk-249
-92.22 To 9999. %



MAT 9752

Total photon (eV-barns)
Cross Section

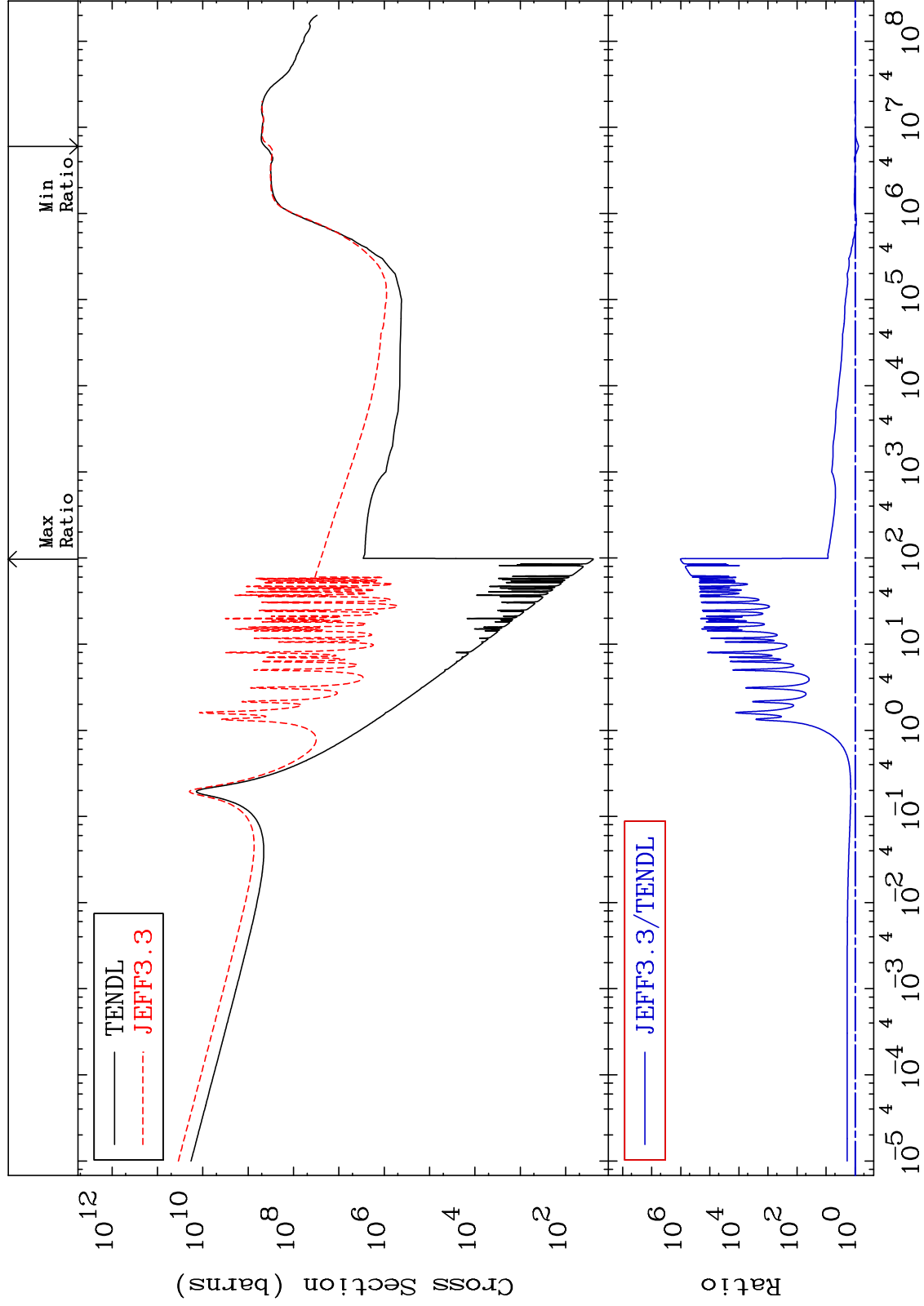
97-Bk-249
-91.38 To 9999. %



MAT 9752

Total kinematic kerma (high limit)
Cross Section

97-Bk-249
-23.20 To 9999. %



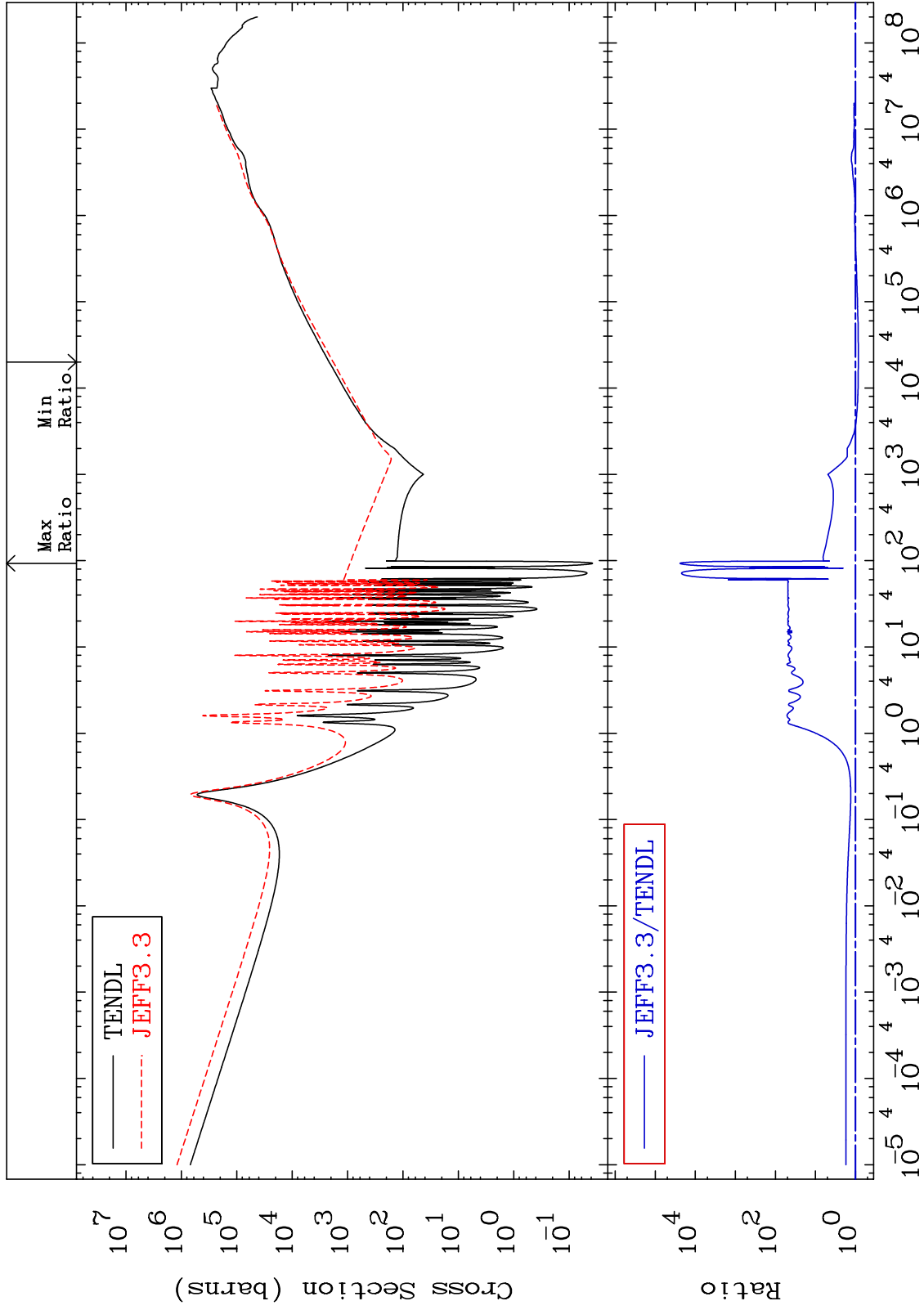
MAT 9752

Dpa total (eV-barns)

97-Bk-249

-15.52 To 9999. %

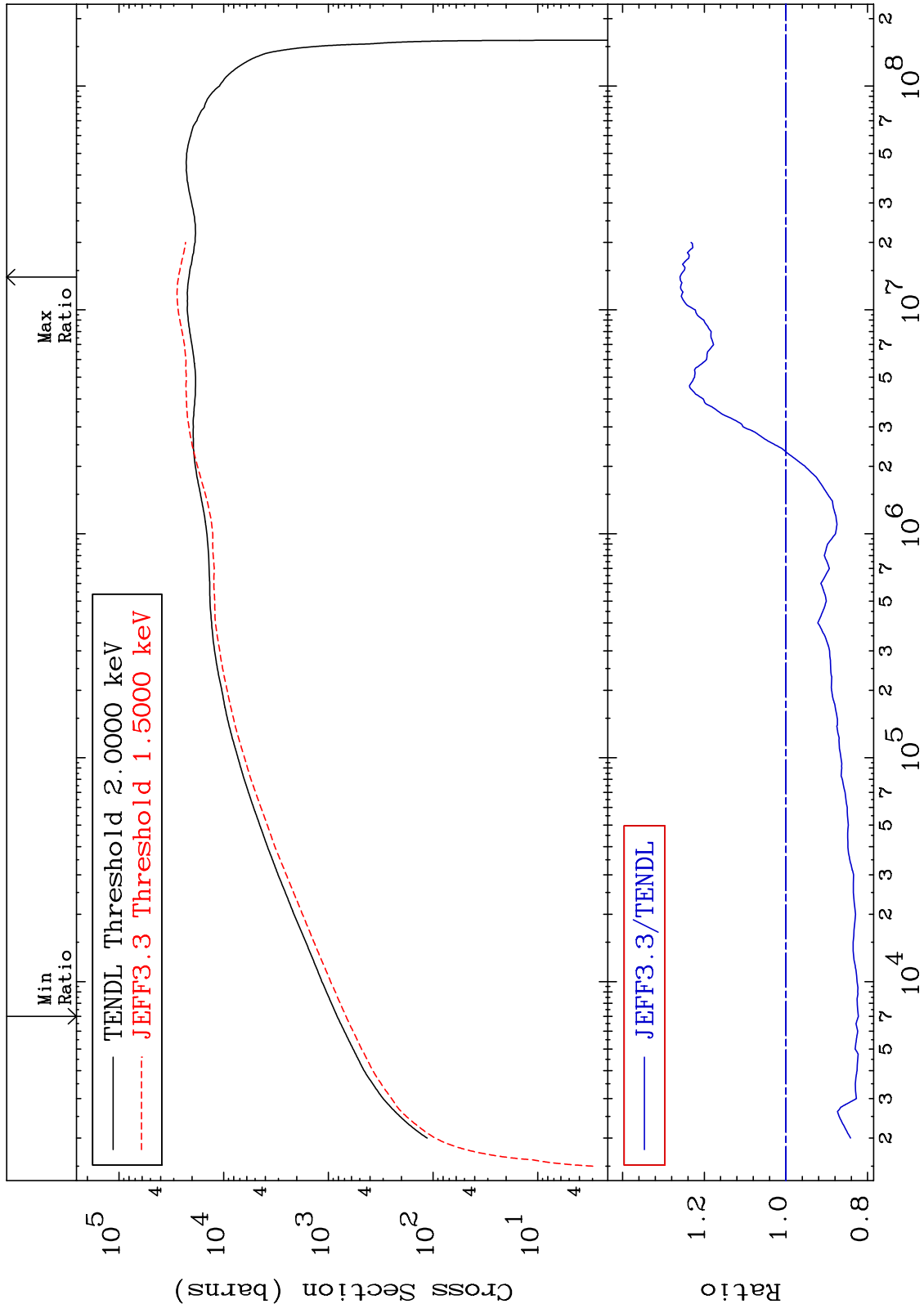
Cross Section



MAT 9752

Dpa elastic (mt2)
Cross Section

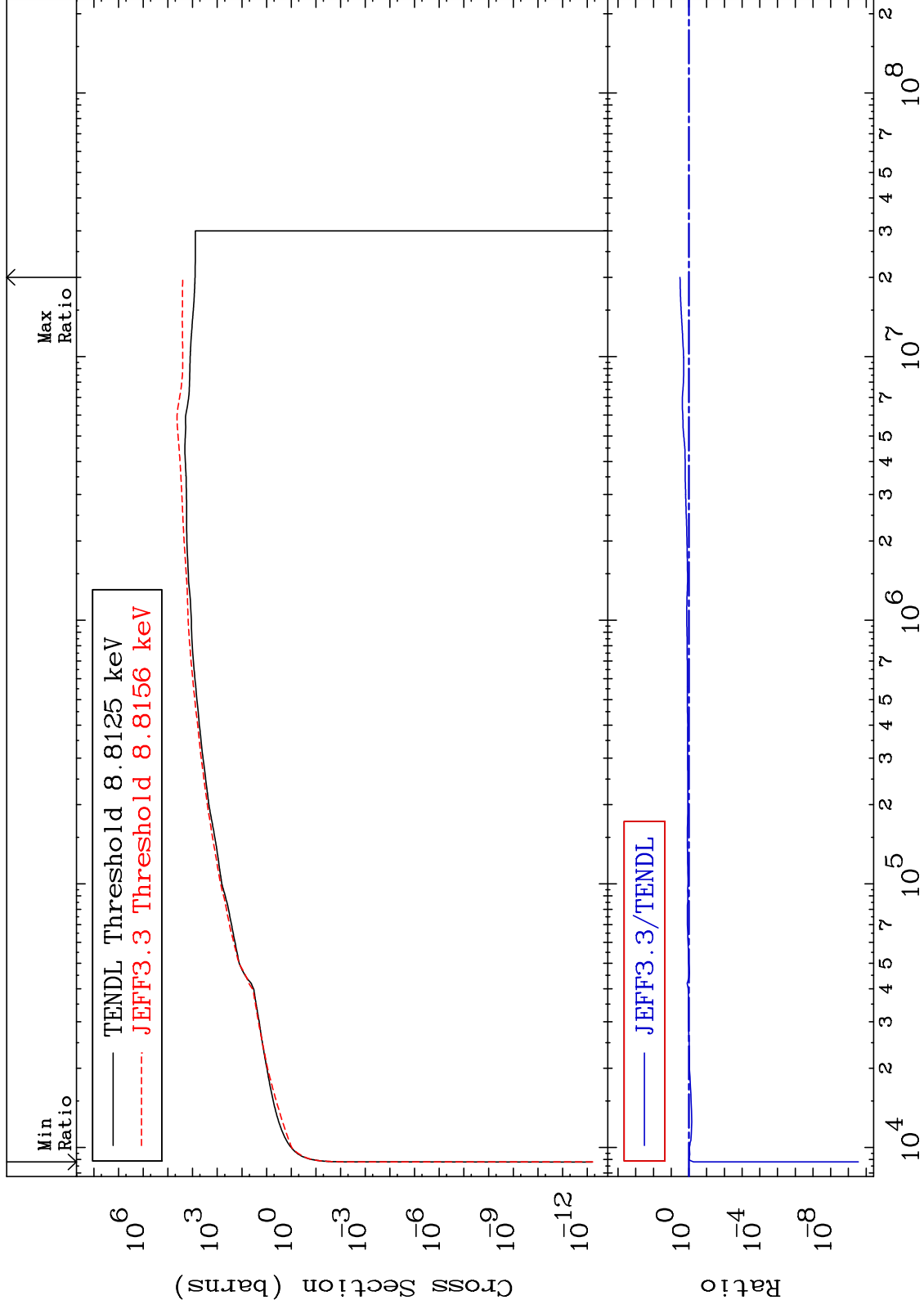
97-Bk-249
-17.74 To 25.94 %



MAT 9752

Dpa inelastic (mt51-91)
Cross Section

97-Bk-249
-100.0 To 218.7 %



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Incident Energy (eV)

97-Bk-249

MAT 9752

Dpa disappearance (mt102 -120)
Cross Section

97-Bk-249
-100.0 To 9999. %

