Program Complot
(Version 2021-1)
by
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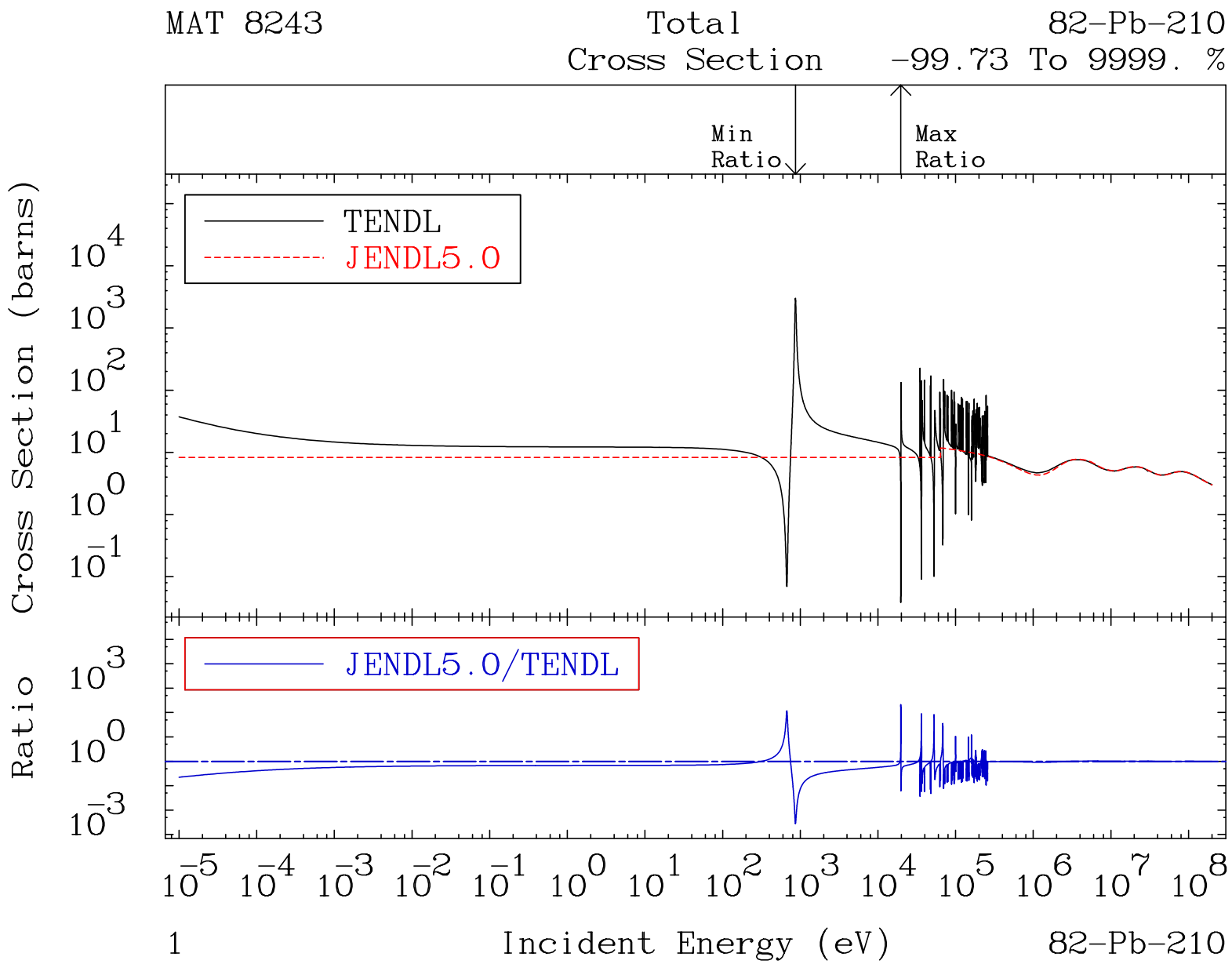
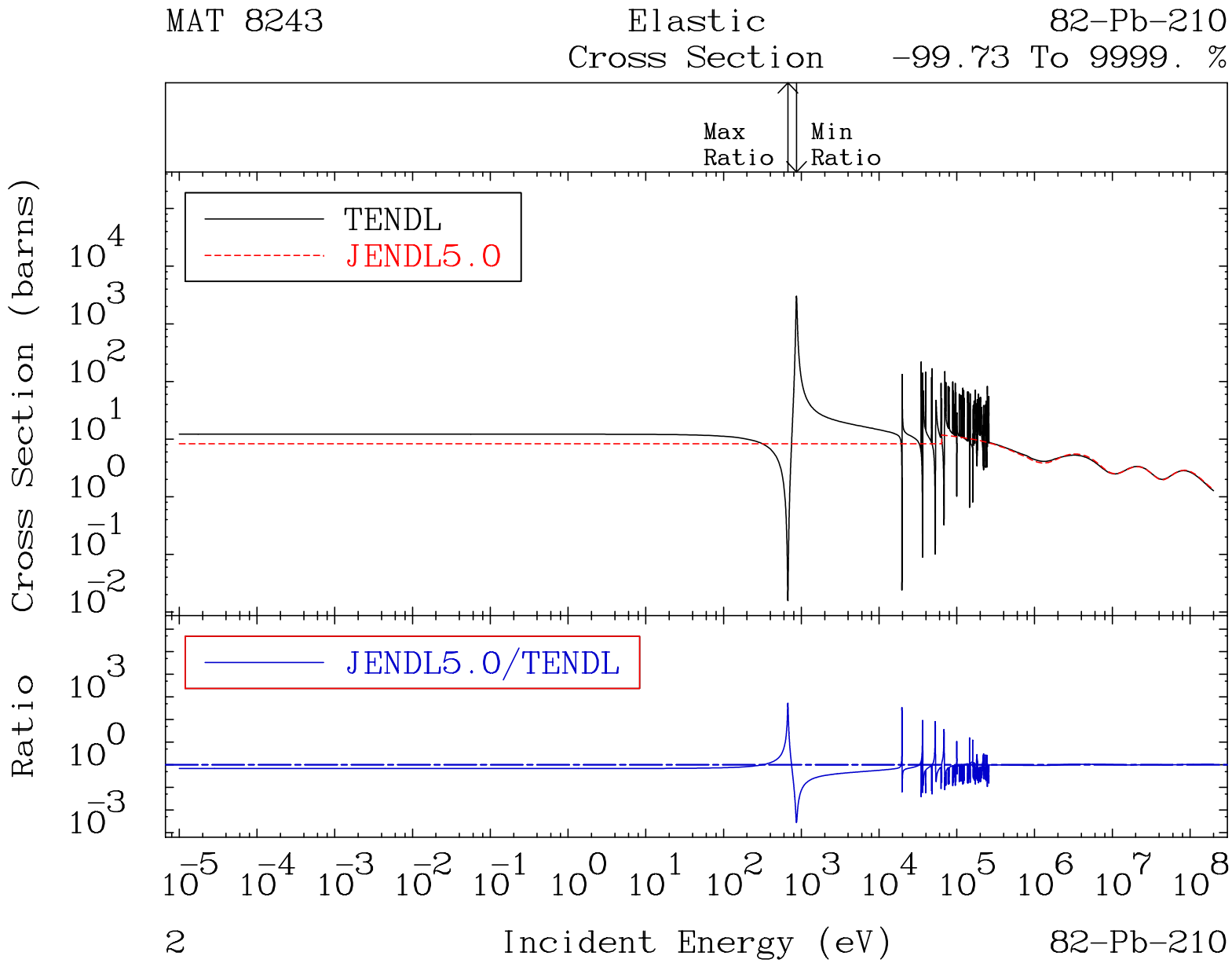
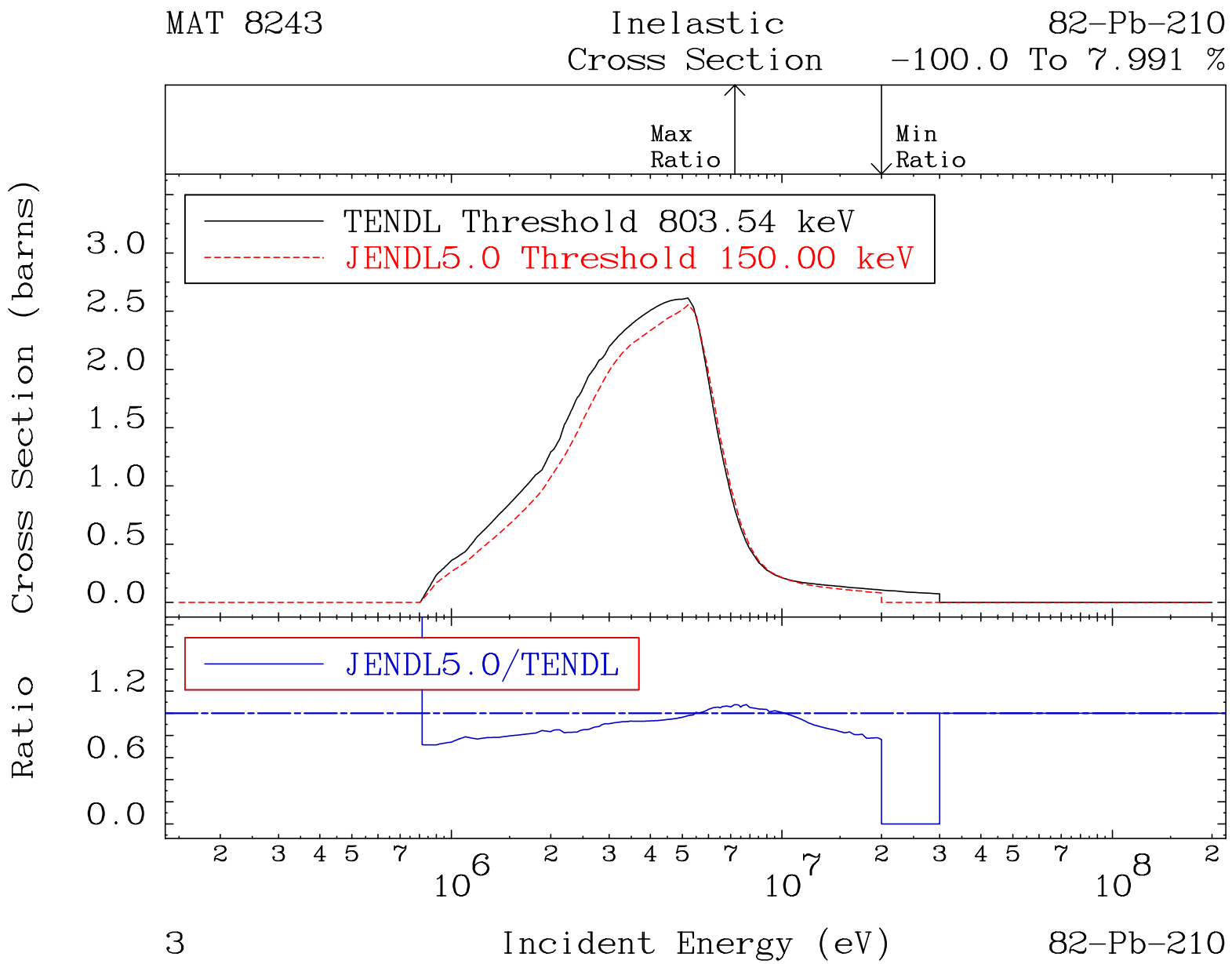
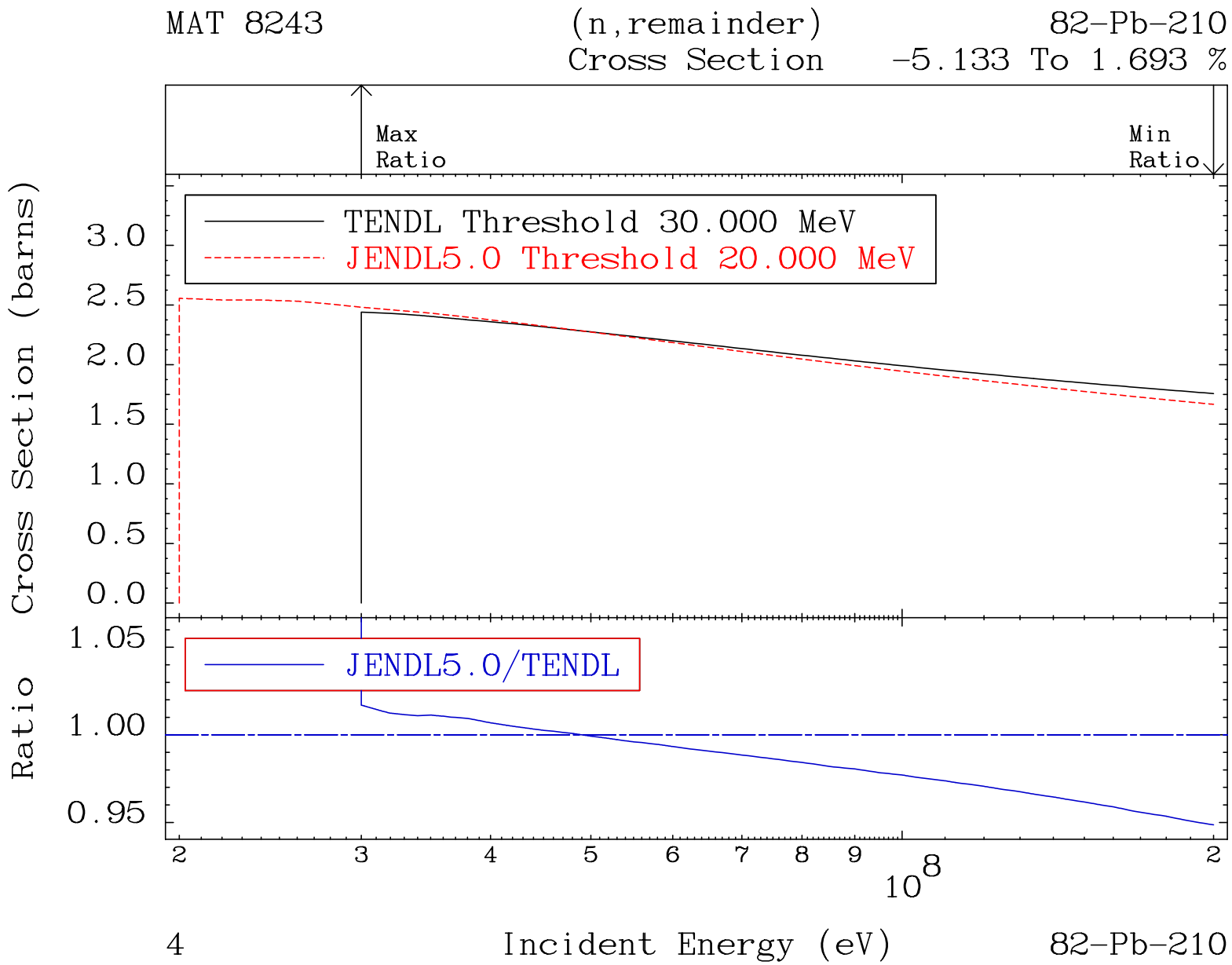
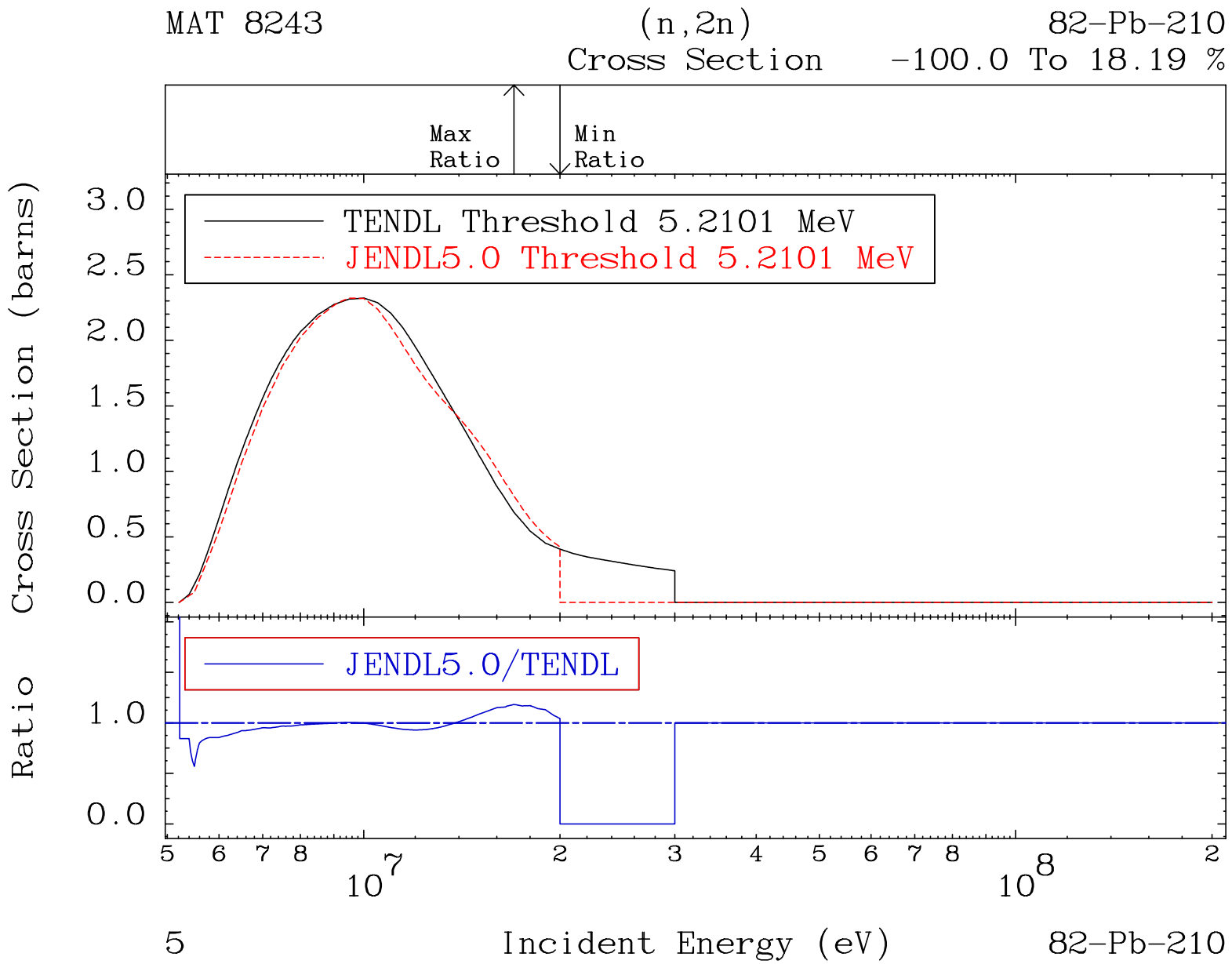
Press Mouse Button to Start

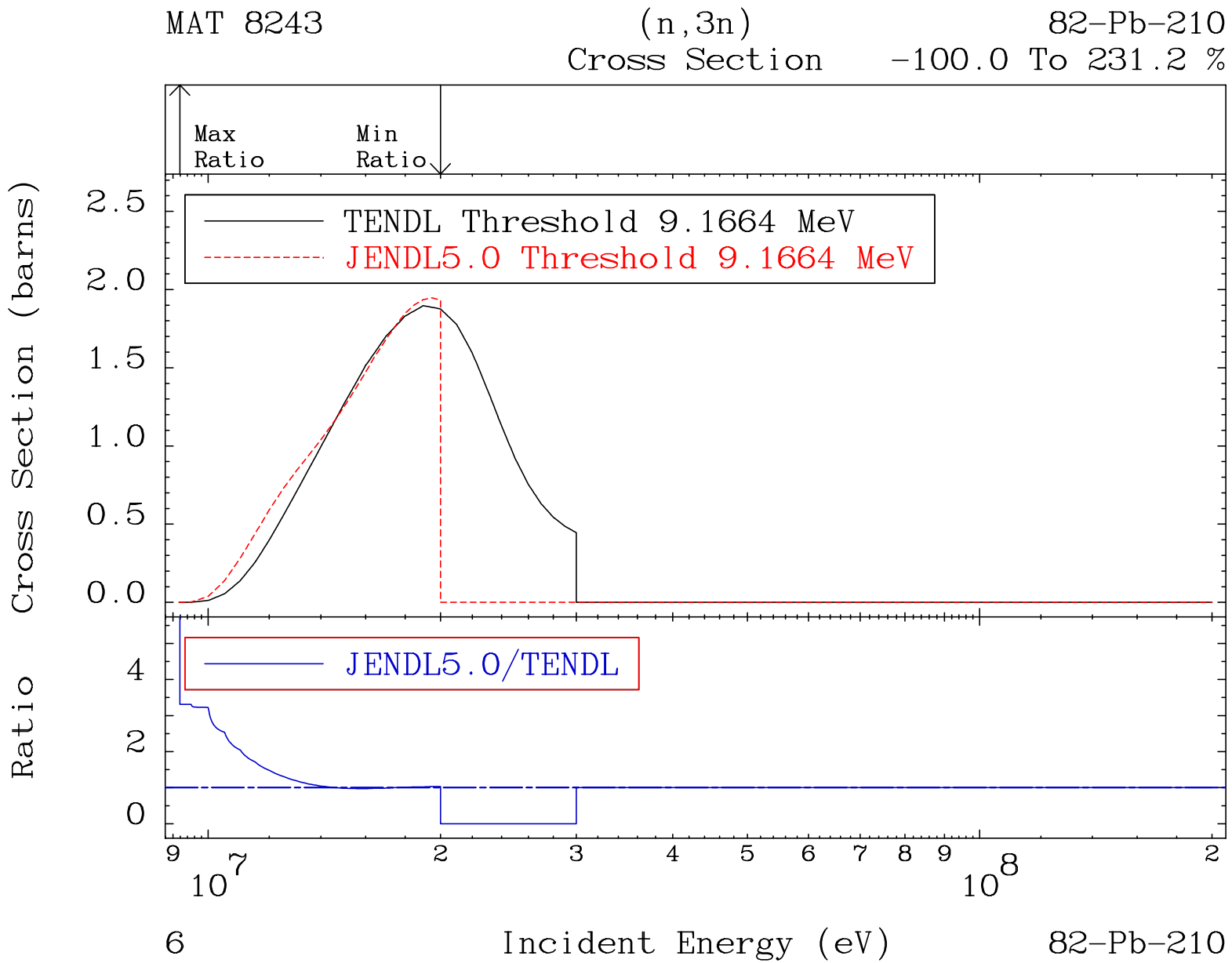

MAT 8243
Total
Cross Section
82-Pb-210
-99.73 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
82-Pb-210
1

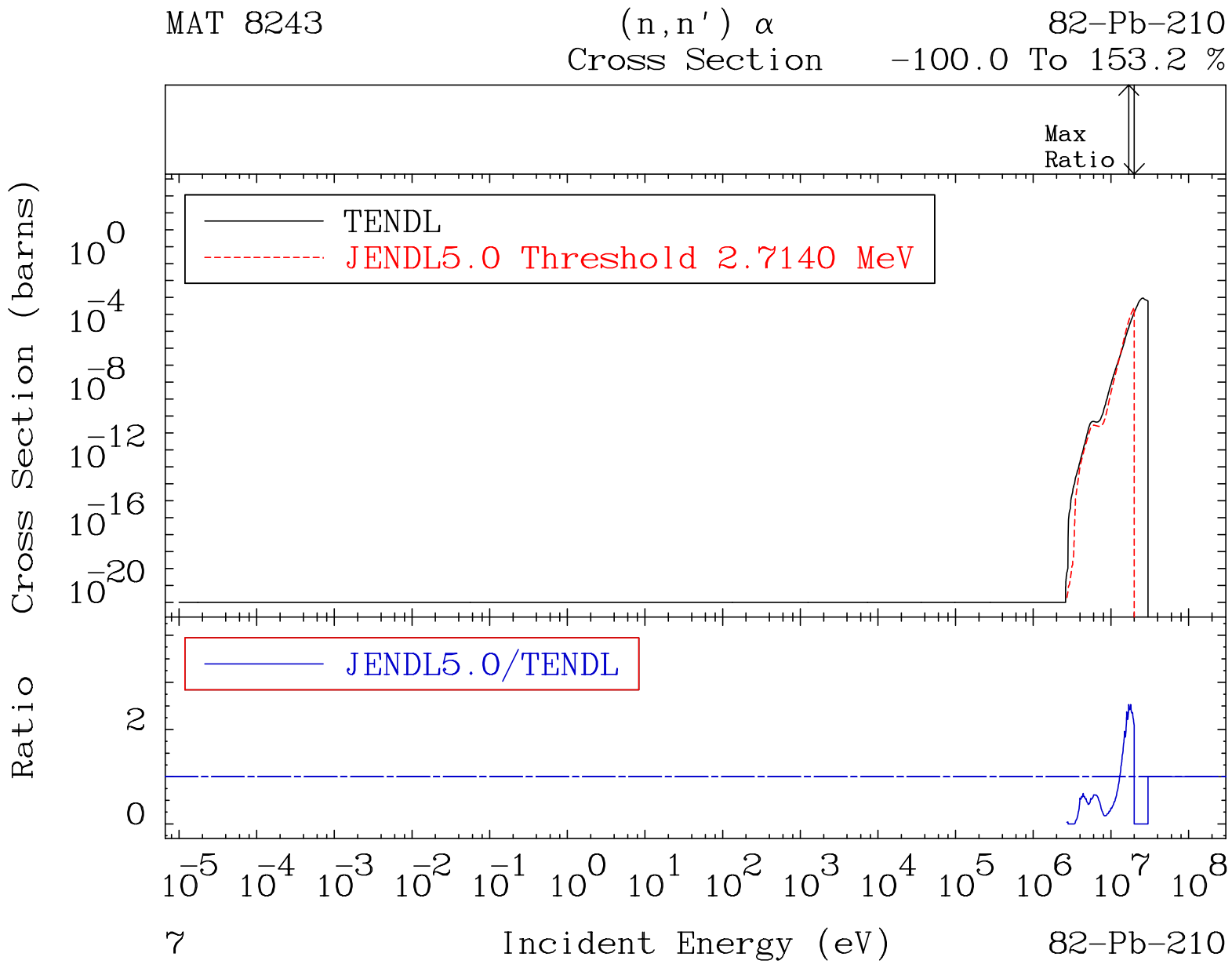

MAT 8243
Elastic
Cross Section
82-Pb-210
-99.73 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
82-Pb-210

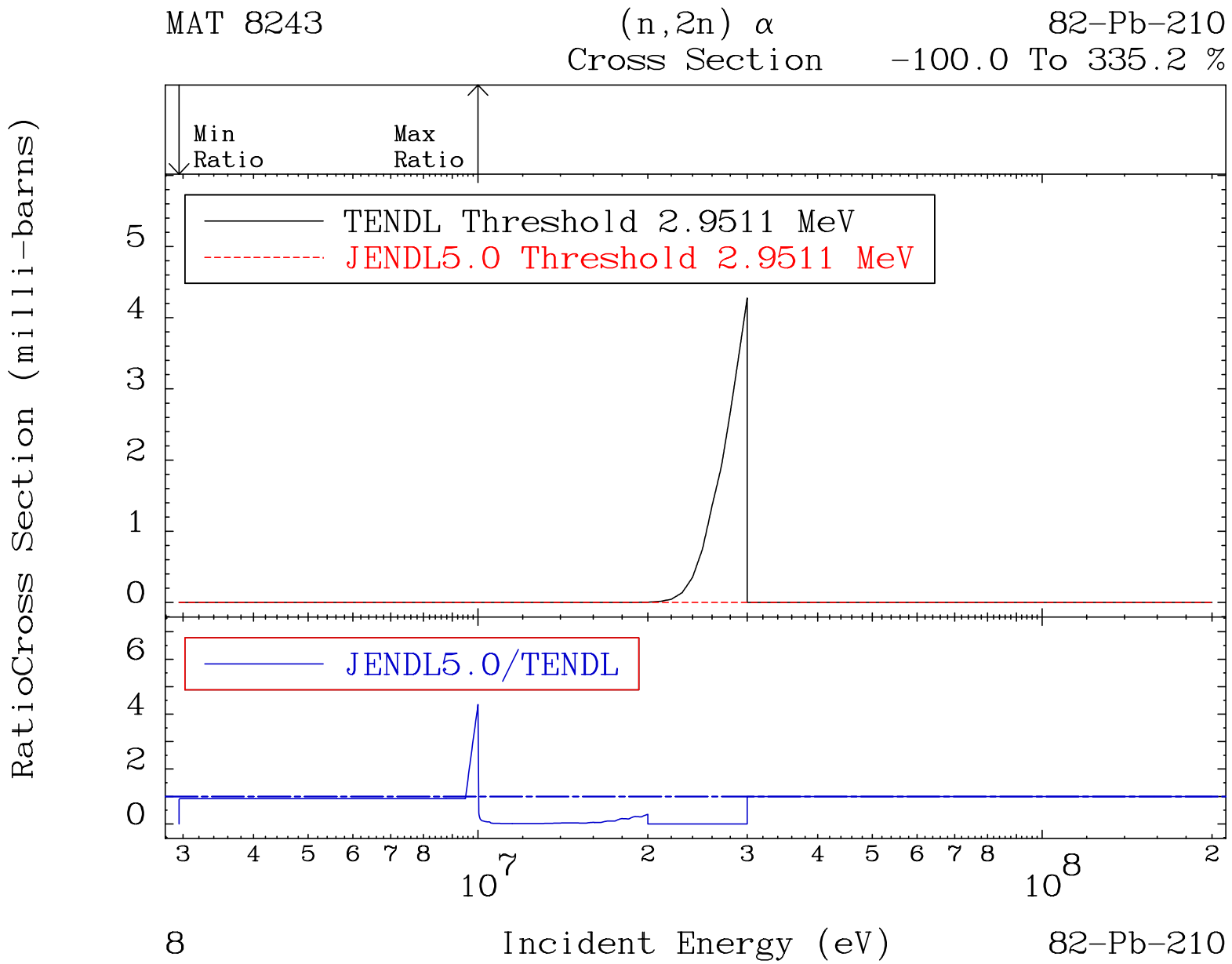

MAT 8243
Inelastic
Cross Section
82-Pb-210
-100.0 To 7.991 %
Max
Ratio
Min
Ratio
TENDL Threshold 803.54 keV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
1.2
0.6
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
3
Incident Energy (eV)
82-Pb-210

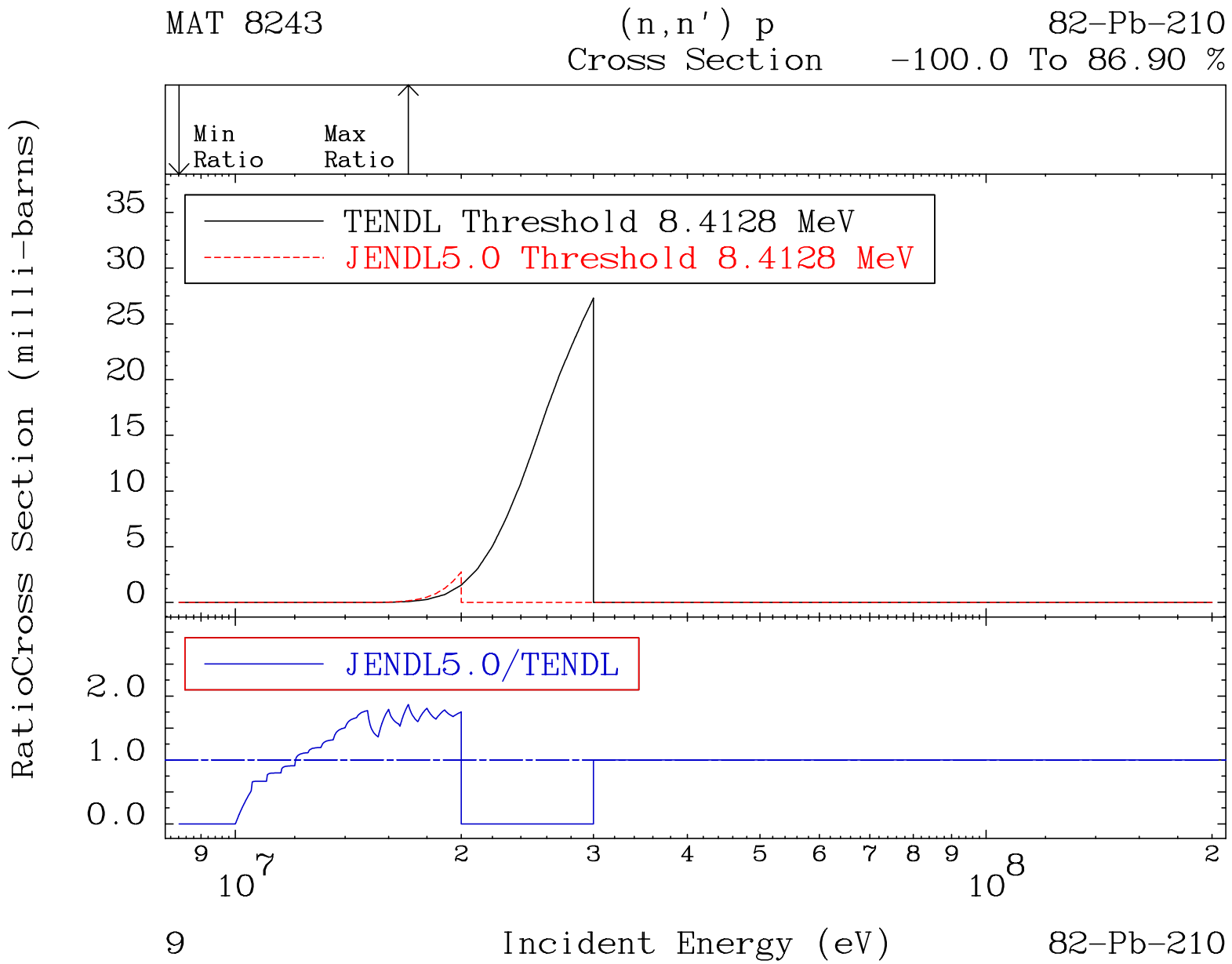

MAT 8243
(n,remainder)
Cross Section
82-Pb-210
-5.133 To 1.693 %
Max Ratio
Min Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.05
1.00
0.95
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
82-Pb-210

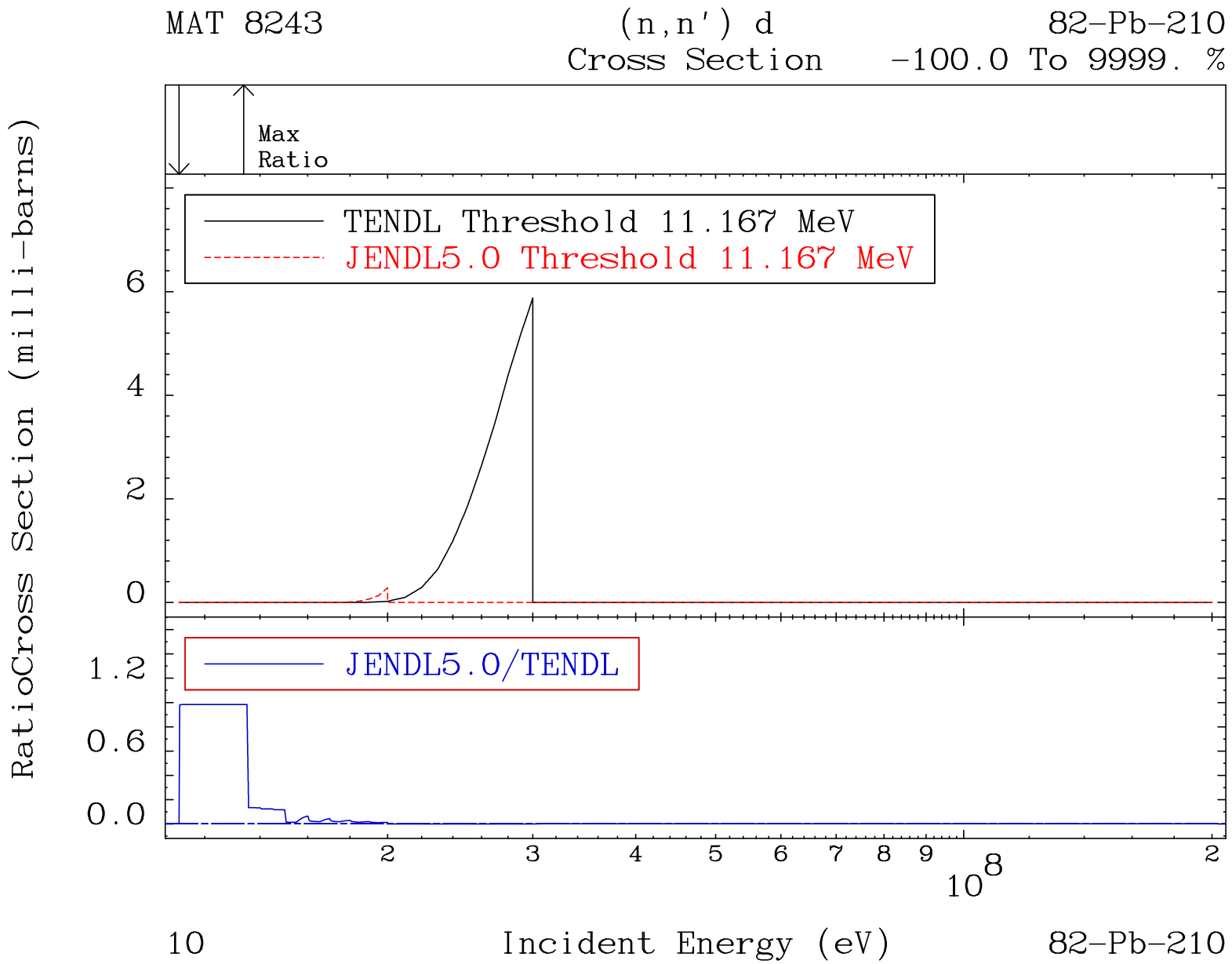

MAT 8243
(n,2n)
Cross Section
82-Pb-210
-100.0 To 18.19 %
Max Ratio
Min Ratio
TENDL Threshold 5.2101 MeV
JENDL5.0 Threshold 5.2101 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.0
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
5
Incident Energy (eV)
82-Pb-210

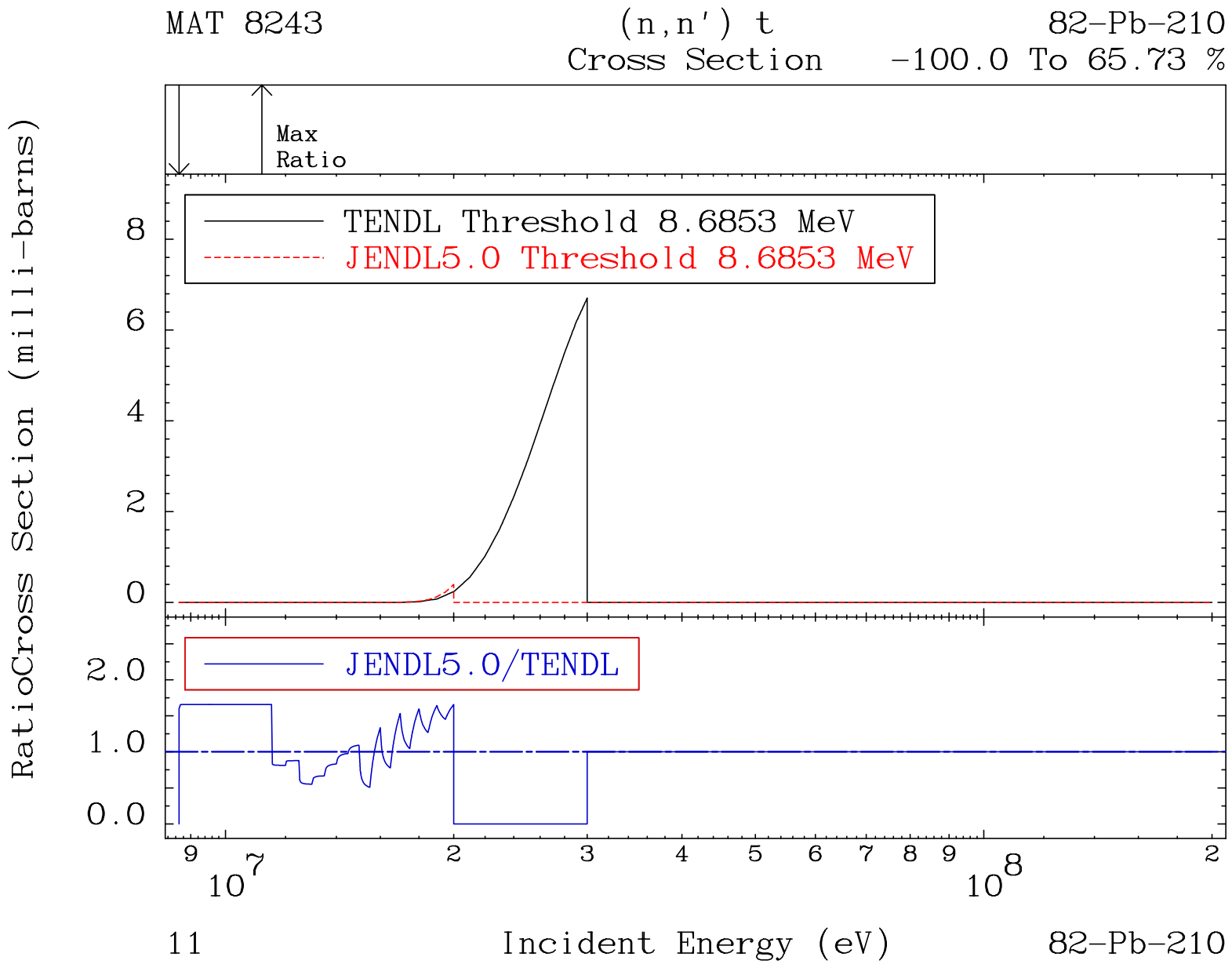

MAT 8243
(n,3n)
Cross Section
82-Pb-210
-100.0 To 231.2 %
Max Ratio
Min Ratio
TENDL Threshold 9.1664 MeV
JENDL5.0 Threshold 9.1664 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
82-Pb-210
6

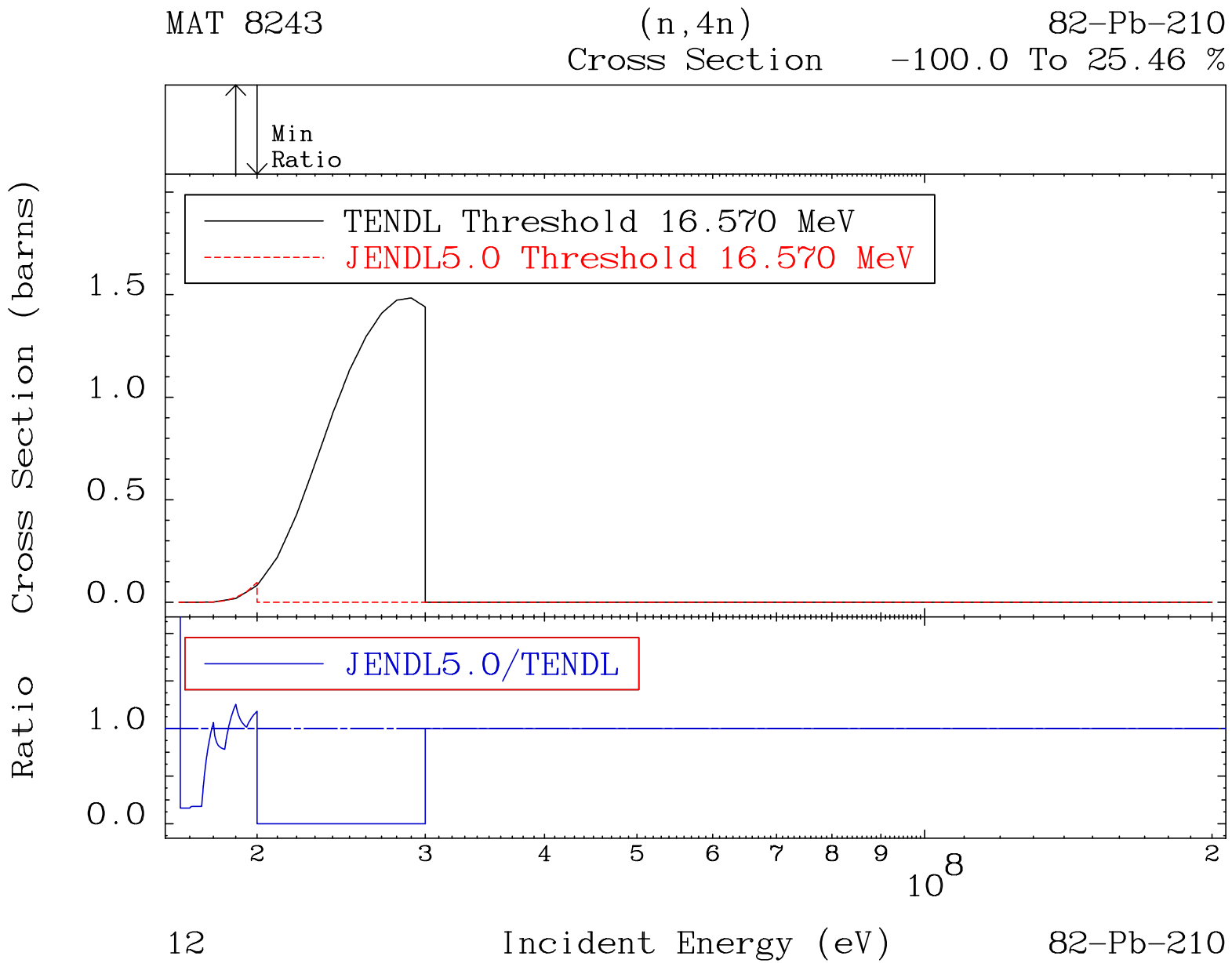

MAT 8243
(n,n') α
Cross Section
82-Pb-210
-100.0 To 153.2 %
Max
Ratio
TENDL
JENDL5.0 Threshold 2.7140 MeV
Cross Section (barns)
10^0
10^-4
10^-8
10^-12
10^-16
10^-20
JENDL5.0/TENDL
Ratio
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
7
Incident Energy (eV)
82-Pb-210

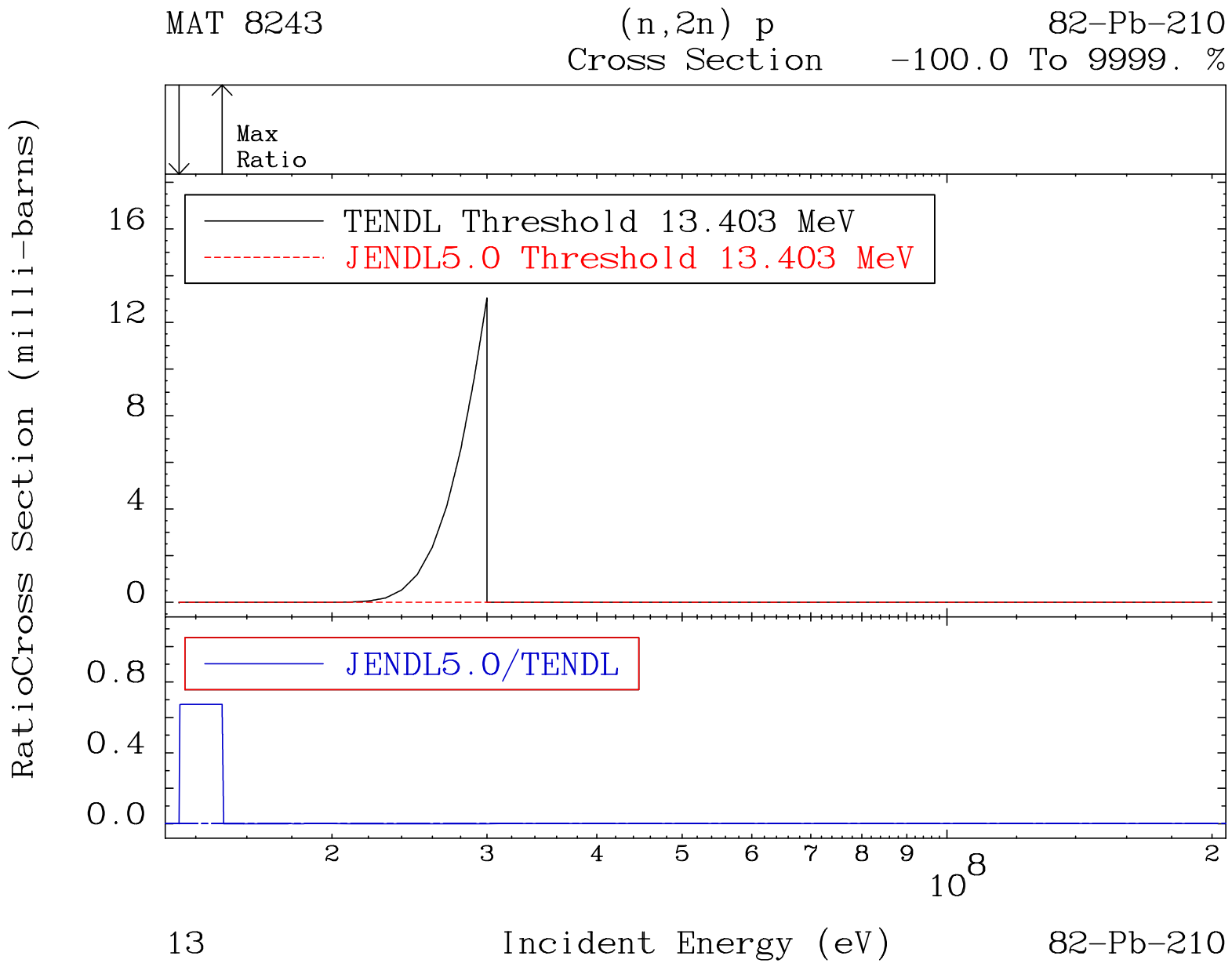

MAT 8243
(n,2n) α
82-Pb-210
Cross Section
-100.0 To 335.2 %
Min Ratio
Max Ratio
TENDL Threshold 2.9511 MeV
JENDL5.0 Threshold 2.9511 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
8
82-Pb-210

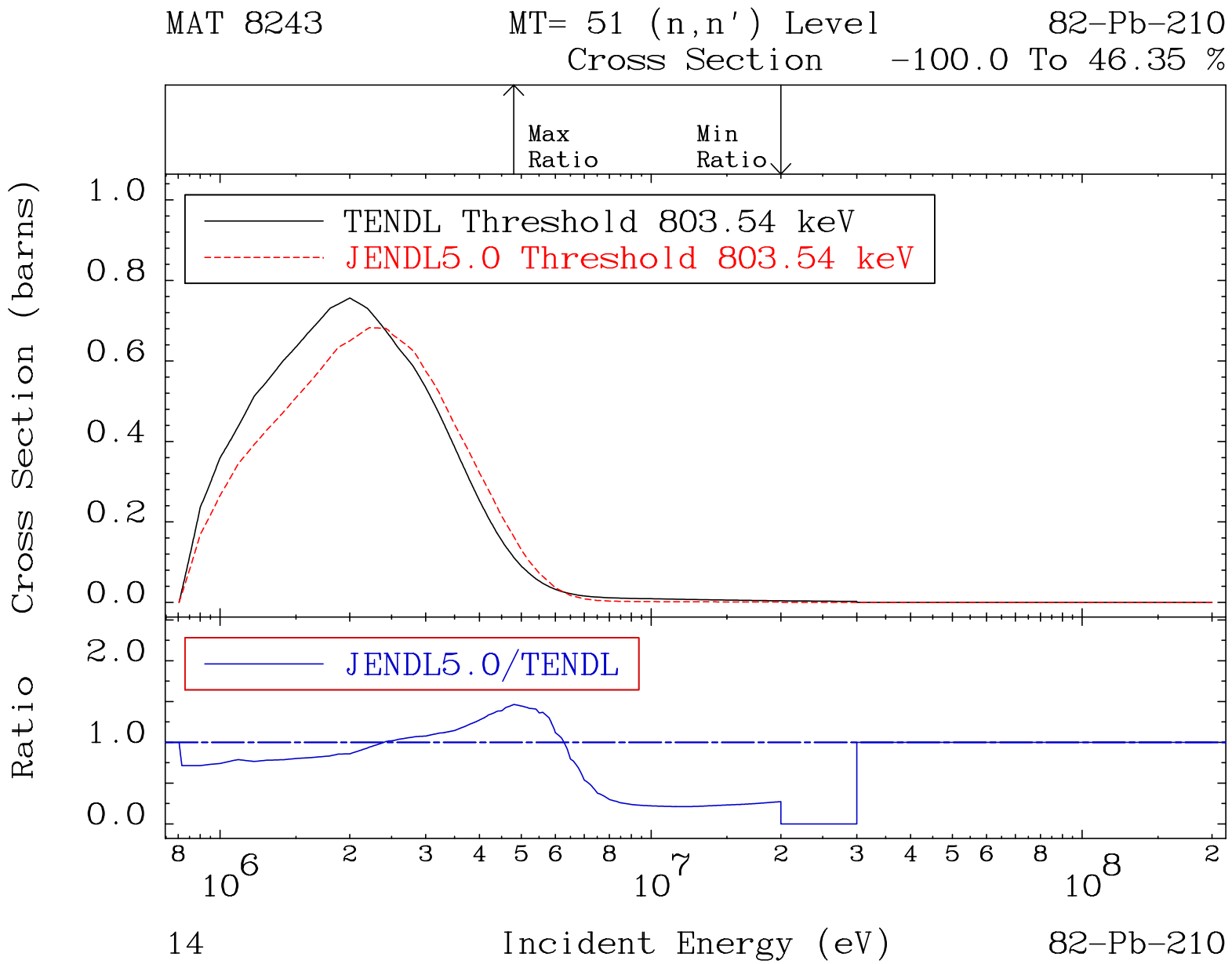

MAT 8243
(n,n') p
Cross Section
82-Pb-210
-100.0 To 86.90 %
Min Ratio
Max Ratio
TENDL Threshold 8.4128 MeV
JENDL5.0 Threshold 8.4128 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
82-Pb-210

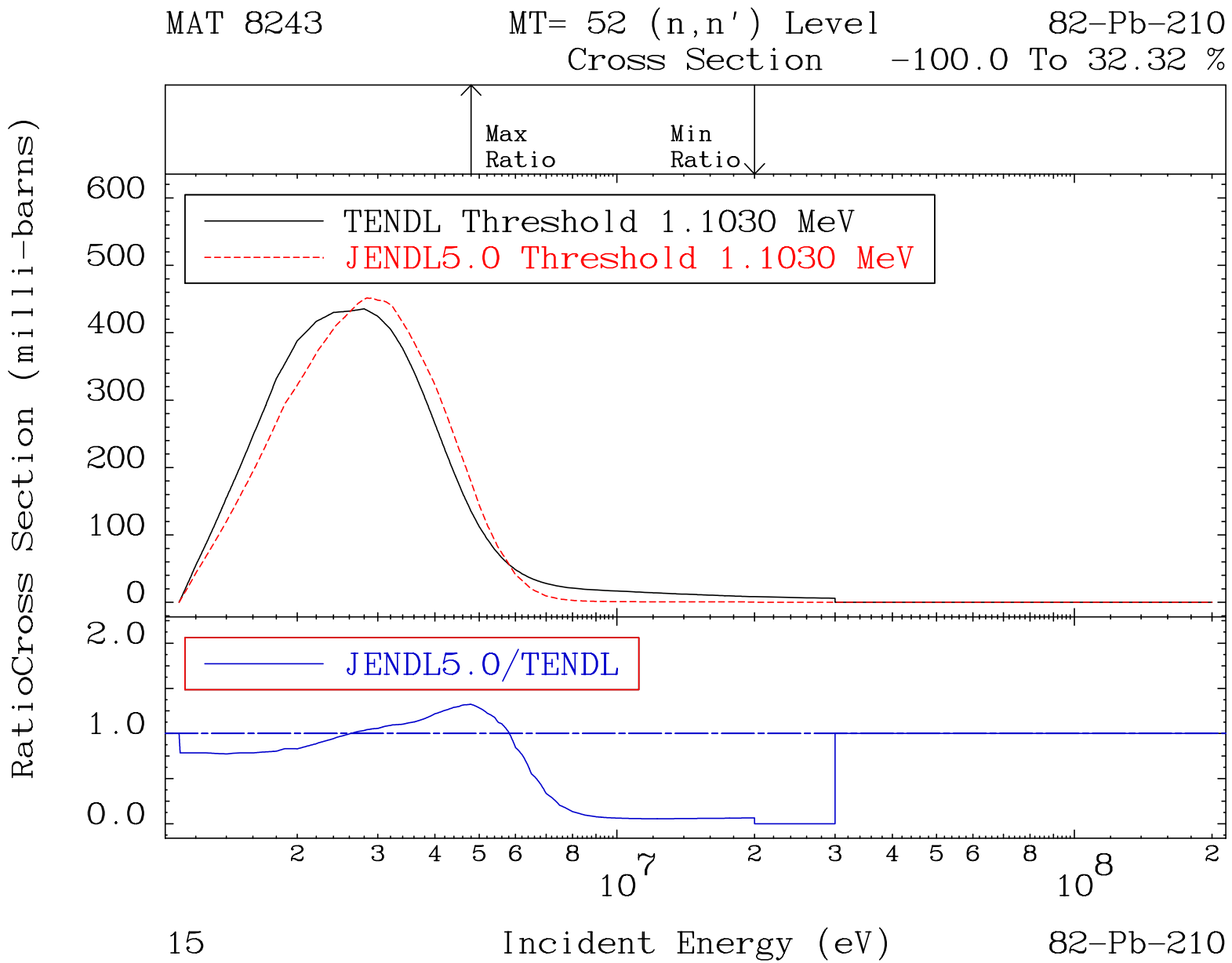

MAT 8243
(n,n') d
Cross Section
82-Pb-210
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 11.167 MeV
JENDL5.0 Threshold 11.167 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
6
4
2
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
82-Pb-210

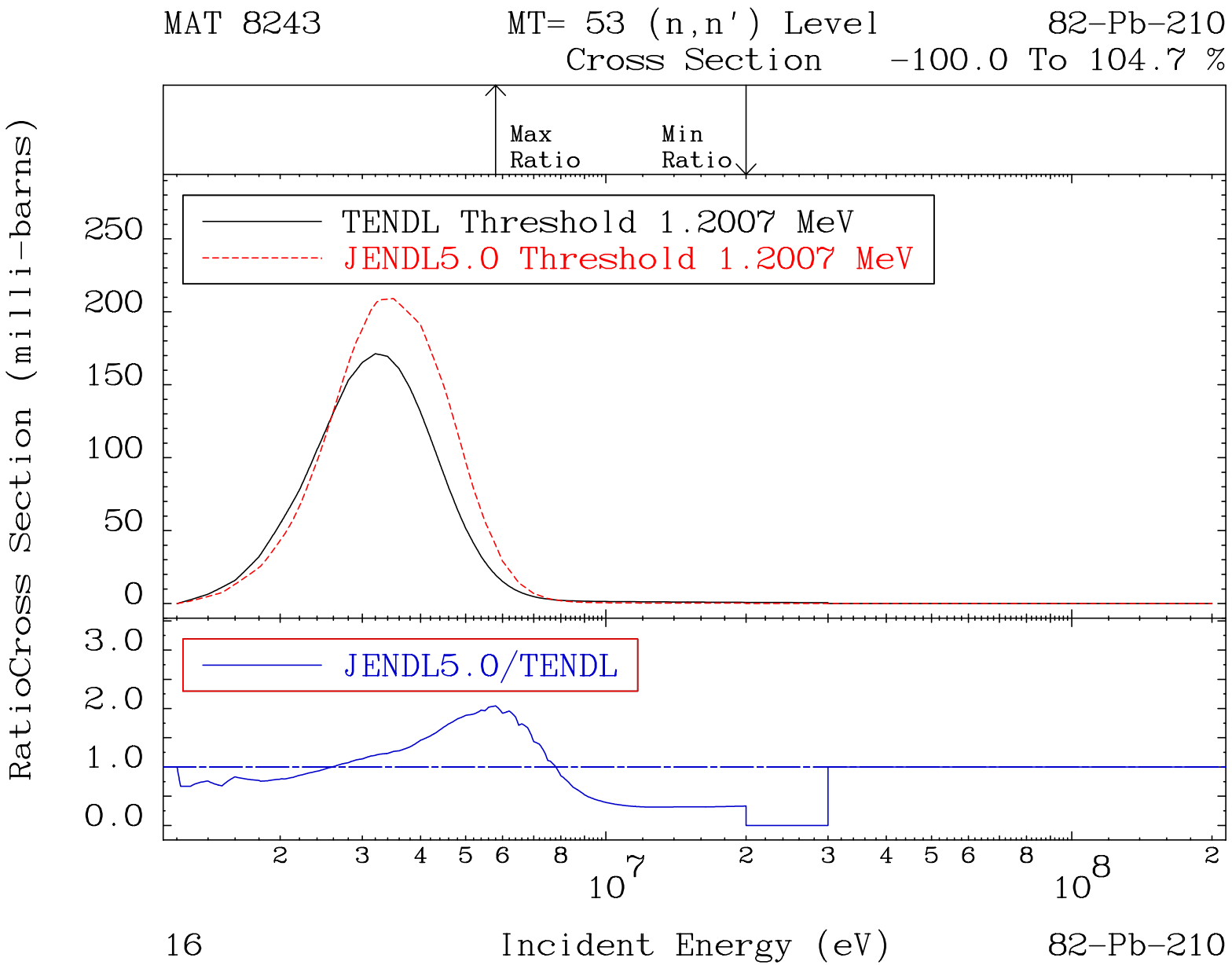

MAT 8243
(n,n') t
Cross Section
82-Pb-210
-100.0 To 65.73 %
Max
Ratio
TENDL Threshold 8.6853 MeV
JENDL5.0 Threshold 8.6853 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
11
82-Pb-210

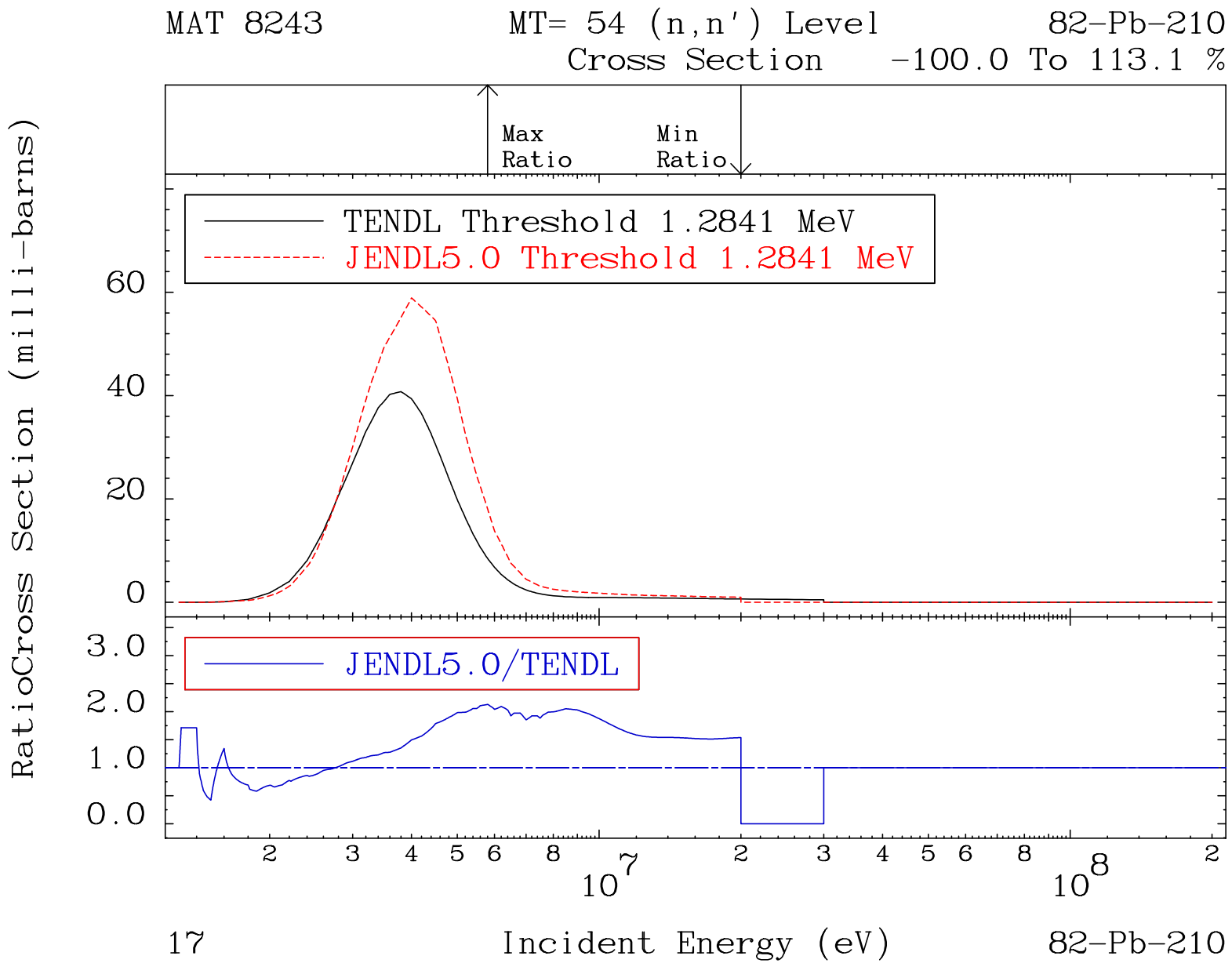

MAT 8243
(n,4n)
82-Pb-210
Cross Section
-100.0 To 25.46 %
Min
Ratio
TENDL Threshold 16.570 MeV
JENDL5.0 Threshold 16.570 MeV
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
1.0
0.0
Ratio
Cross Section (barns)
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
82-Pb-210

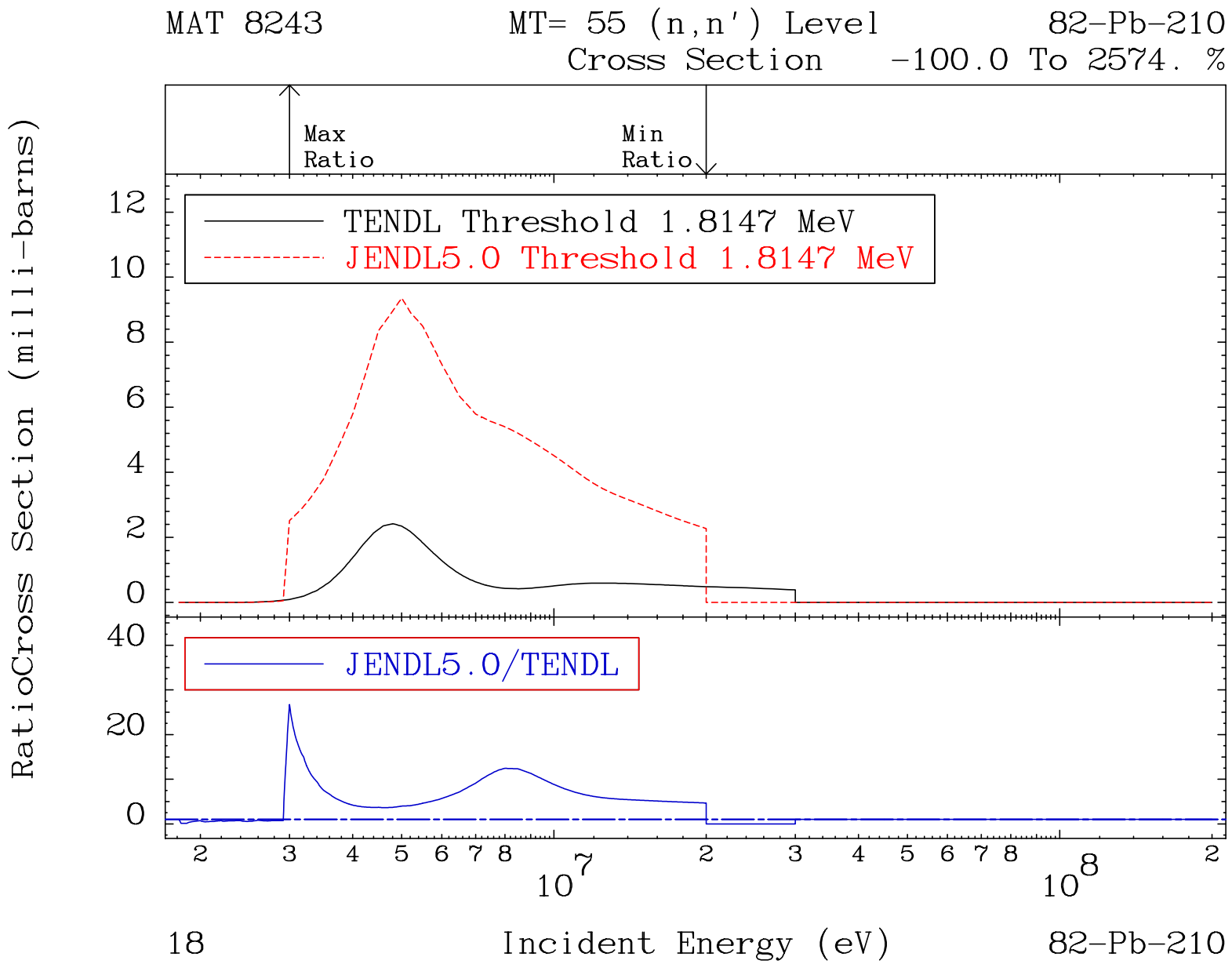

MAT 8243
(n,2n) p
Cross Section
82-Pb-210
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 13.403 MeV
JENDL5.0 Threshold 13.403 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
82-Pb-210

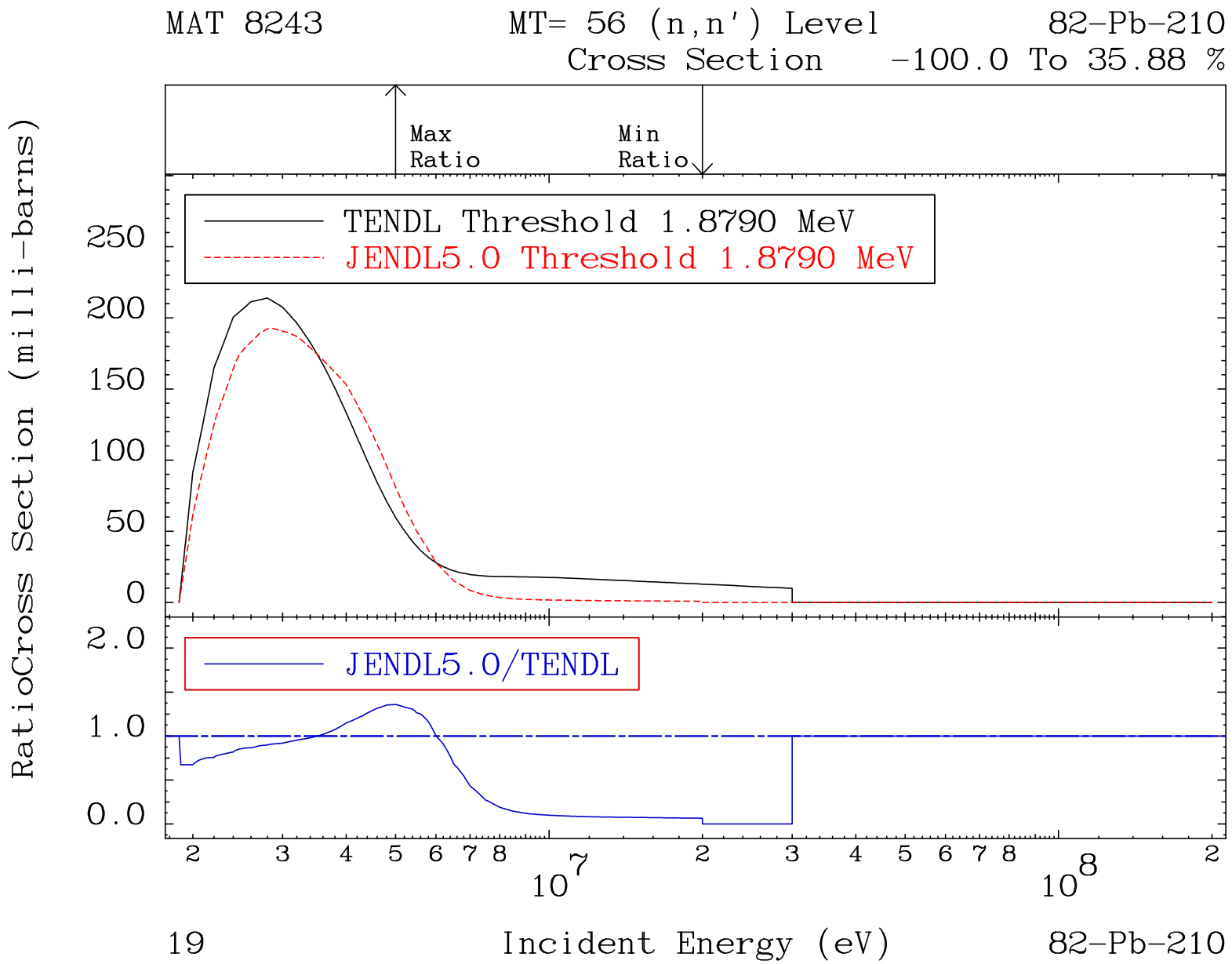

MAT 8243
MT= 51 (n,n') Level
82-Pb-210
Cross Section
-100.0 To 46.35 %
Max Ratio
Min Ratio
TENDL Threshold 803.54 keV
JENDL5.0 Threshold 803.54 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
14
Incident Energy (eV)
82-Pb-210

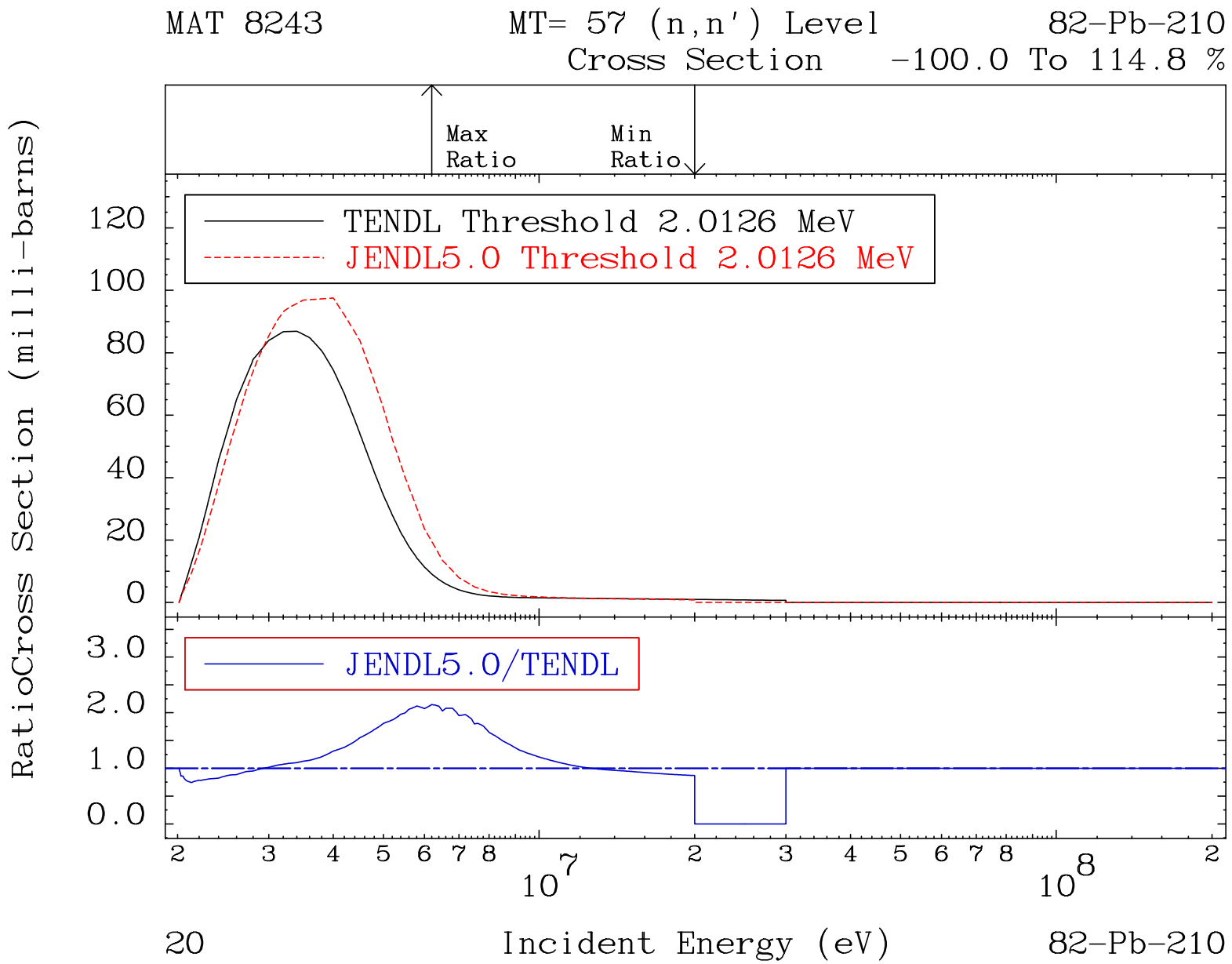

MAT 8243
MT= 52 (n,n') Level
82-Pb-210
Cross Section -100.0 To 32.32 %
Max Ratio
Min Ratio
TENDL Threshold 1.1030 MeV
JENDL5.0 Threshold 1.1030 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
2.0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
15
Incident Energy (eV)
82-Pb-210

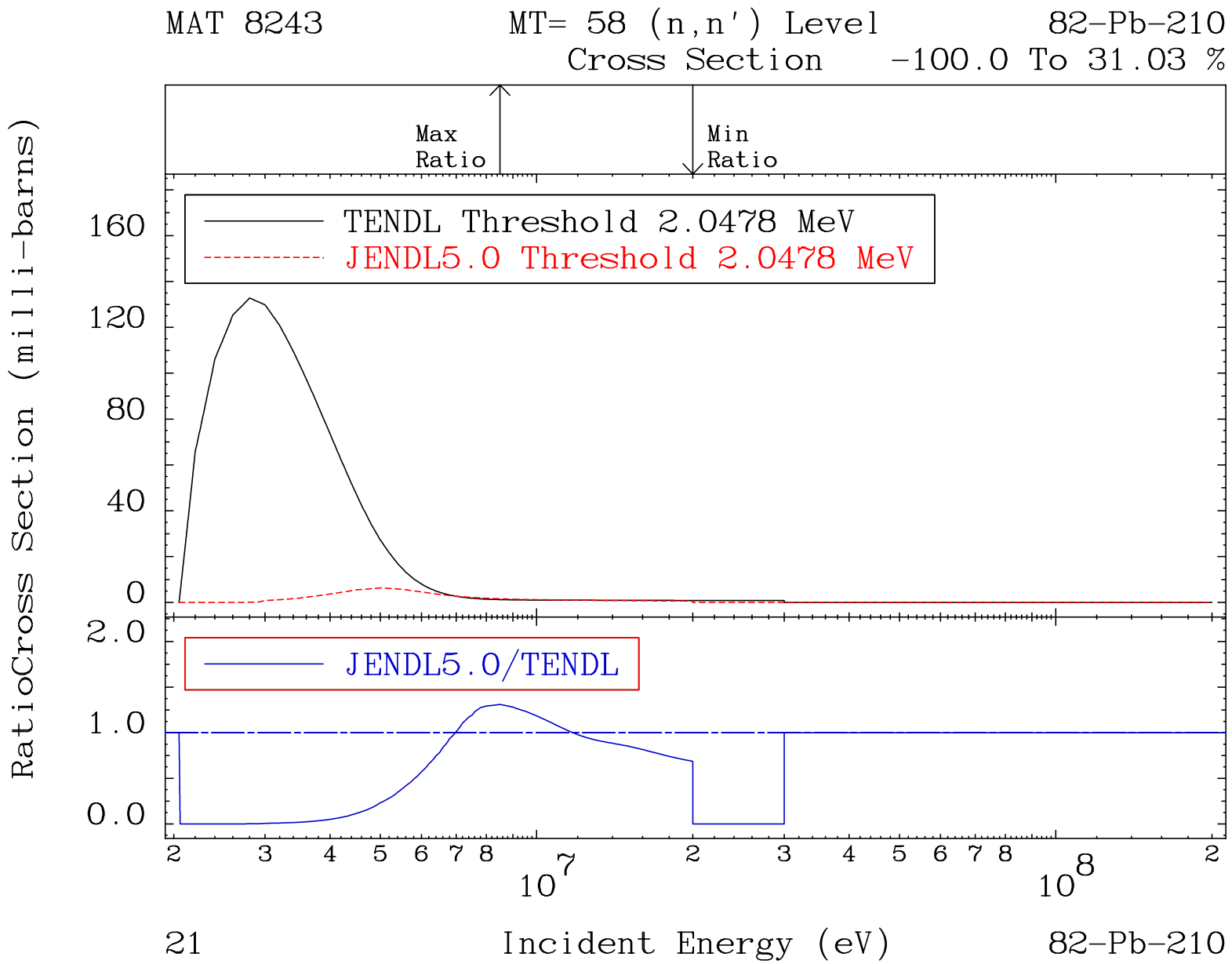

MAT 8243
MT= 53 (n,n') Level
82-Pb-210
Cross Section
-100.0 To 104.7 %
Max Ratio
Min Ratio
TENDL Threshold 1.2007 MeV
JENDL5.0 Threshold 1.2007 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
3.0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
16
Incident Energy (eV)
82-Pb-210

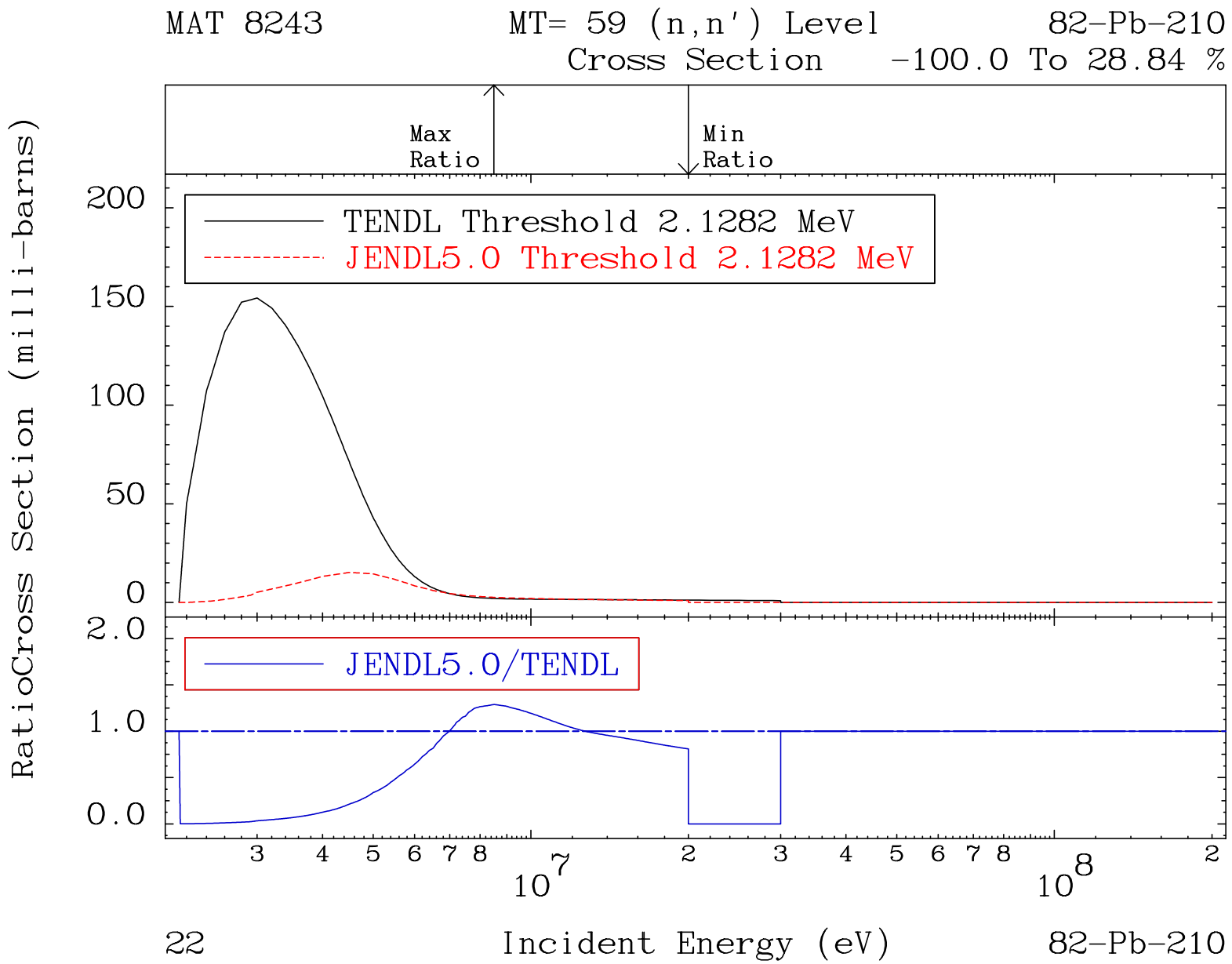

MAT 8243
MT= 54 (n,n') Level
82-Pb-210
Cross Section
-100.0 To 113.1 %
Max Ratio
Min Ratio
TENDL Threshold 1.2841 MeV
JENDL5.0 Threshold 1.2841 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
3.0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
17
Incident Energy (eV)
82-Pb-210

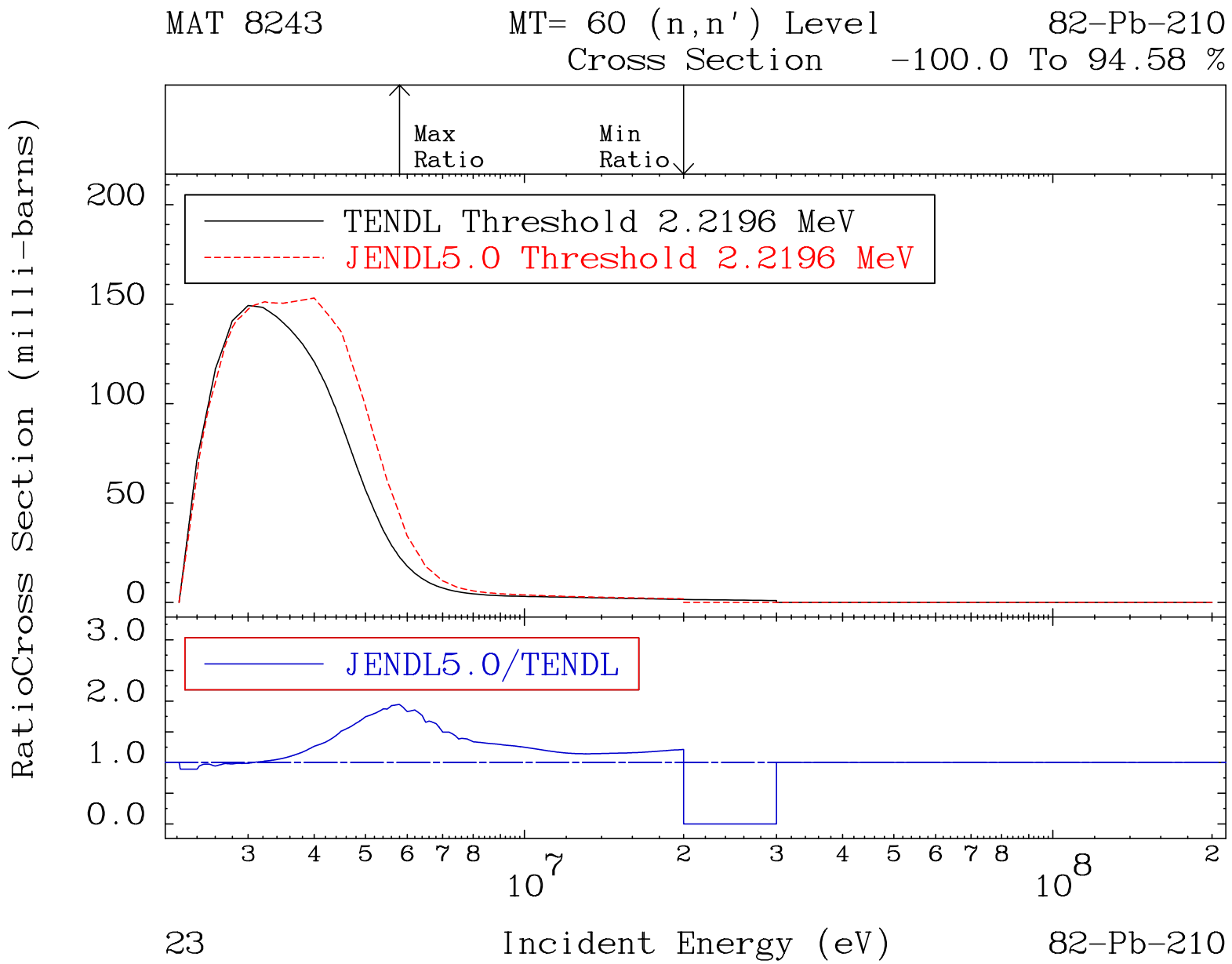

MAT 8243
MT= 55 (n,n') Level
82-Pb-210
Cross Section -100.0 To 2574. %
Max Ratio
Min Ratio
TENDL Threshold 1.8147 MeV
JENDL5.0 Threshold 1.8147 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
18
82-Pb-210

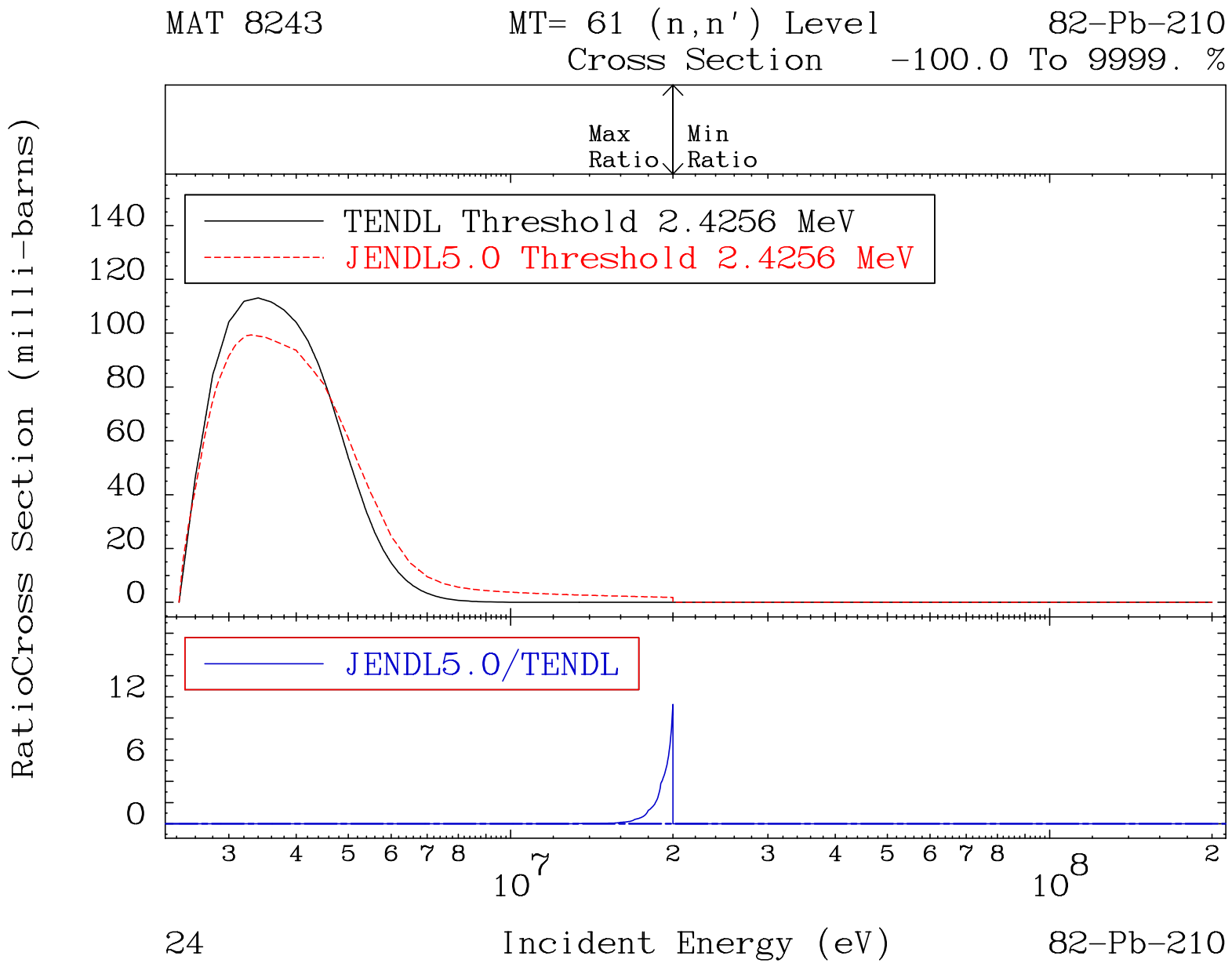

MAT 8243
MT= 56 (n,n') Level
82-Pb-210
Cross Section -100.0 To 35.88 %
Max Ratio
Min Ratio
TENDL Threshold 1.8790 MeV
JENDL5.0 Threshold 1.8790 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
82-Pb-210

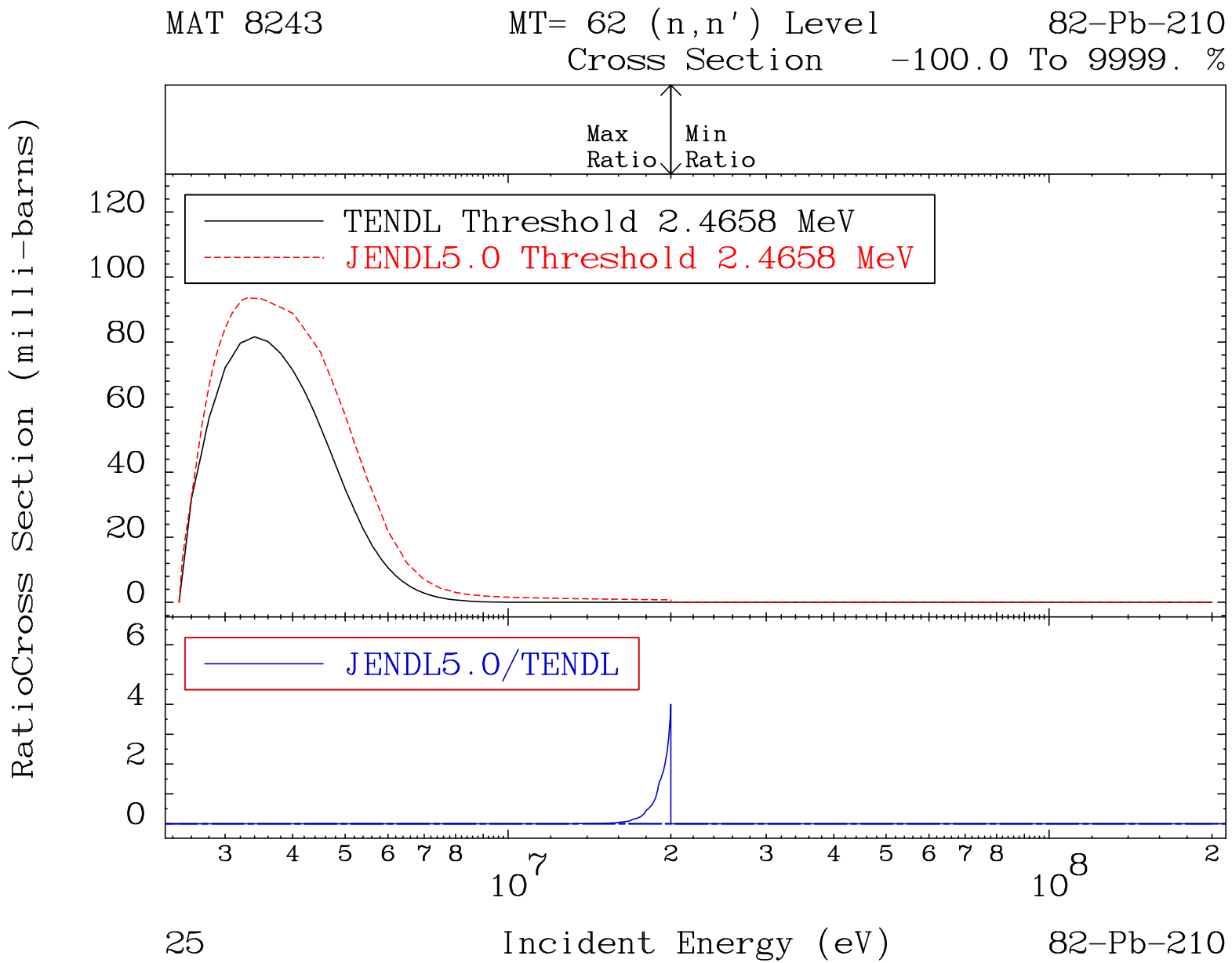

MAT 8243
MT= 57 (n,n') Level
82-Pb-210
Cross Section -100.0 To 114.8 %
Max Ratio
Min Ratio
TENDL Threshold 2.0126 MeV
JENDL5.0 Threshold 2.0126 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
3.0
2.0
1.0
0.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
82-Pb-210

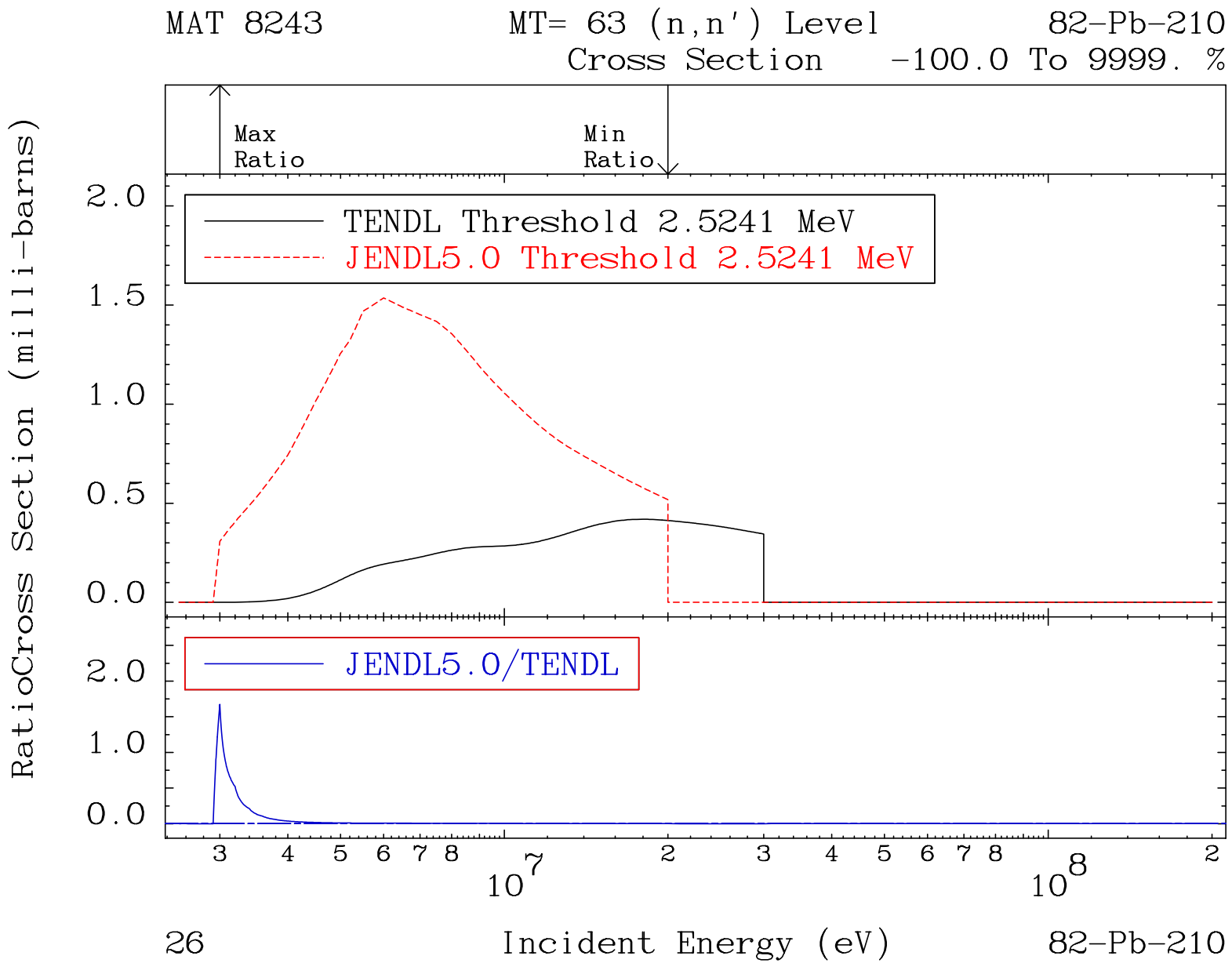

MAT 8243
MT= 58 (n,n') Level
82-Pb-210
Cross Section
-100.0 To 31.03 %
Max Ratio
Min Ratio
TENDL Threshold 2.0478 MeV
JENDL5.0 Threshold 2.0478 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
82-Pb-210

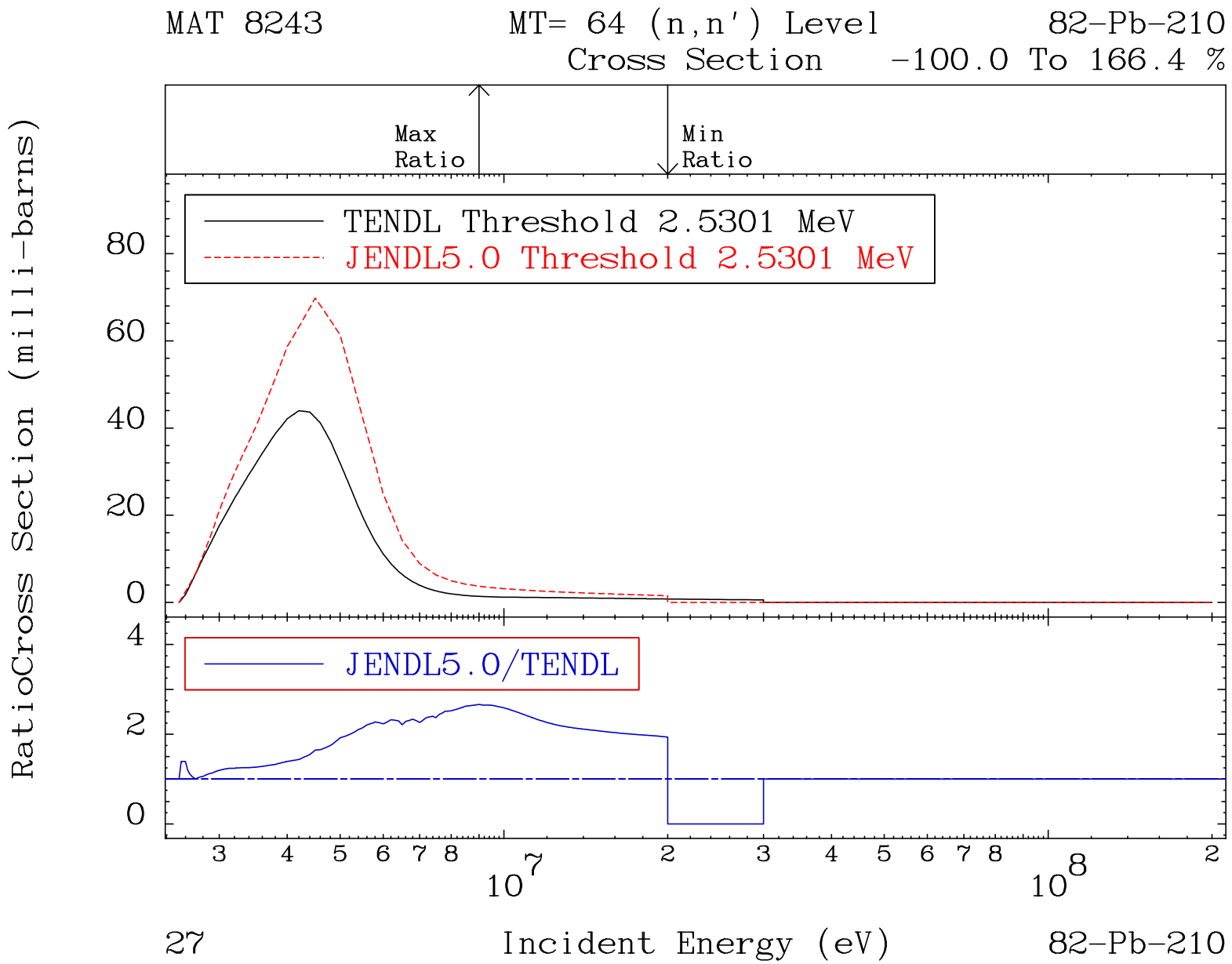

MAT 8243
MT= 59 (n,n') Level
82-Pb-210
Cross Section -100.0 To 28.84 %
Max Ratio
Min Ratio
TENDL Threshold 2.1282 MeV
JENDL5.0 Threshold 2.1282 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
82-Pb-210

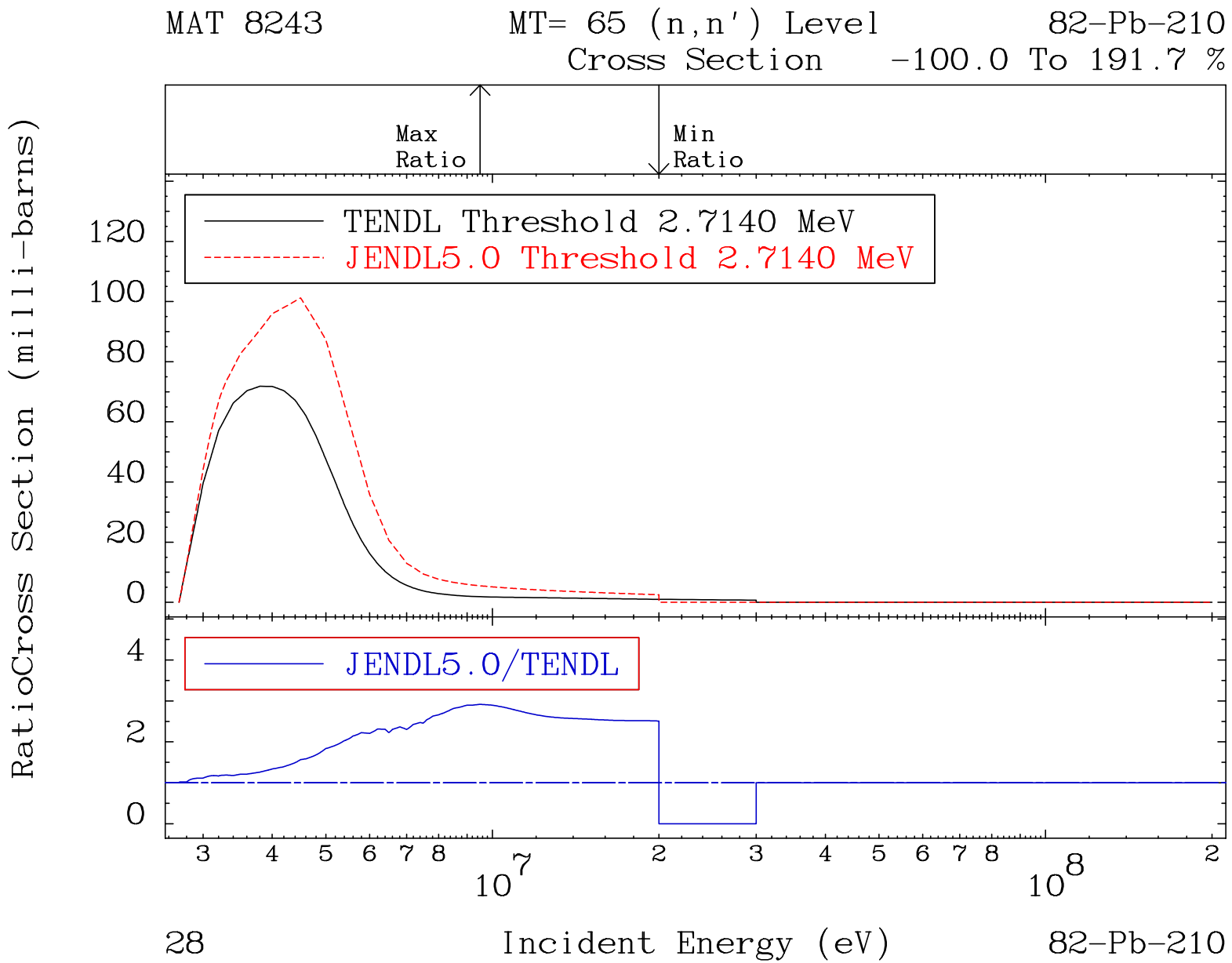

MAT 8243
MT= 60 (n,n') Level
82-Pb-210
Cross Section -100.0 To 94.58 %
Max Ratio
Min Ratio
TENDL Threshold 2.2196 MeV
JENDL5.0 Threshold 2.2196 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
82-Pb-210

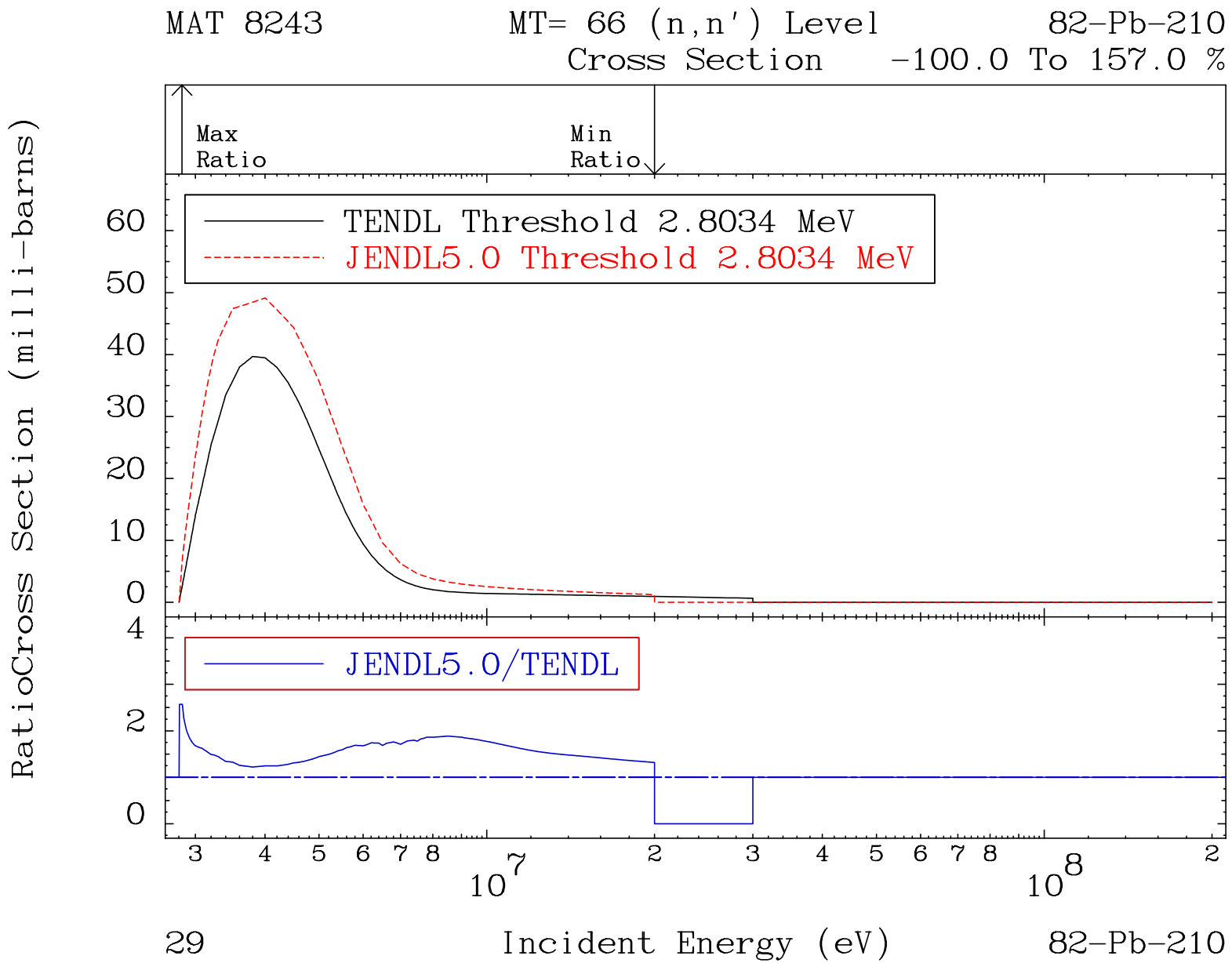

MAT 8243
MT= 61 (n,n') Level
82-Pb-210
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.4256 MeV
JENDL5.0 Threshold 2.4256 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
12
6
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
82-Pb-210

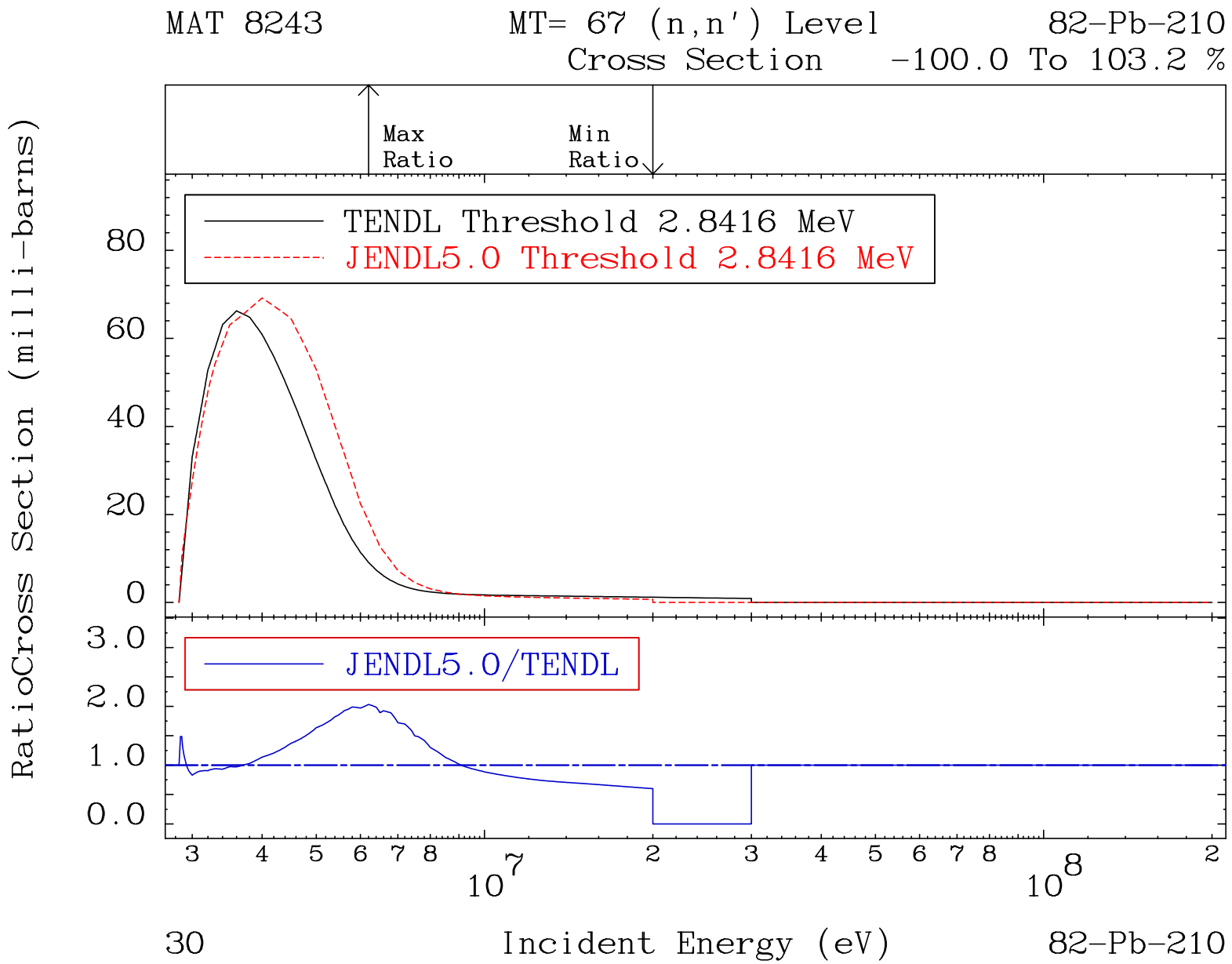

MAT 8243
MT= 62 (n,n') Level
82-Pb-210
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.4658 MeV
JENDL5.0 Threshold 2.4658 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
6
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
82-Pb-210

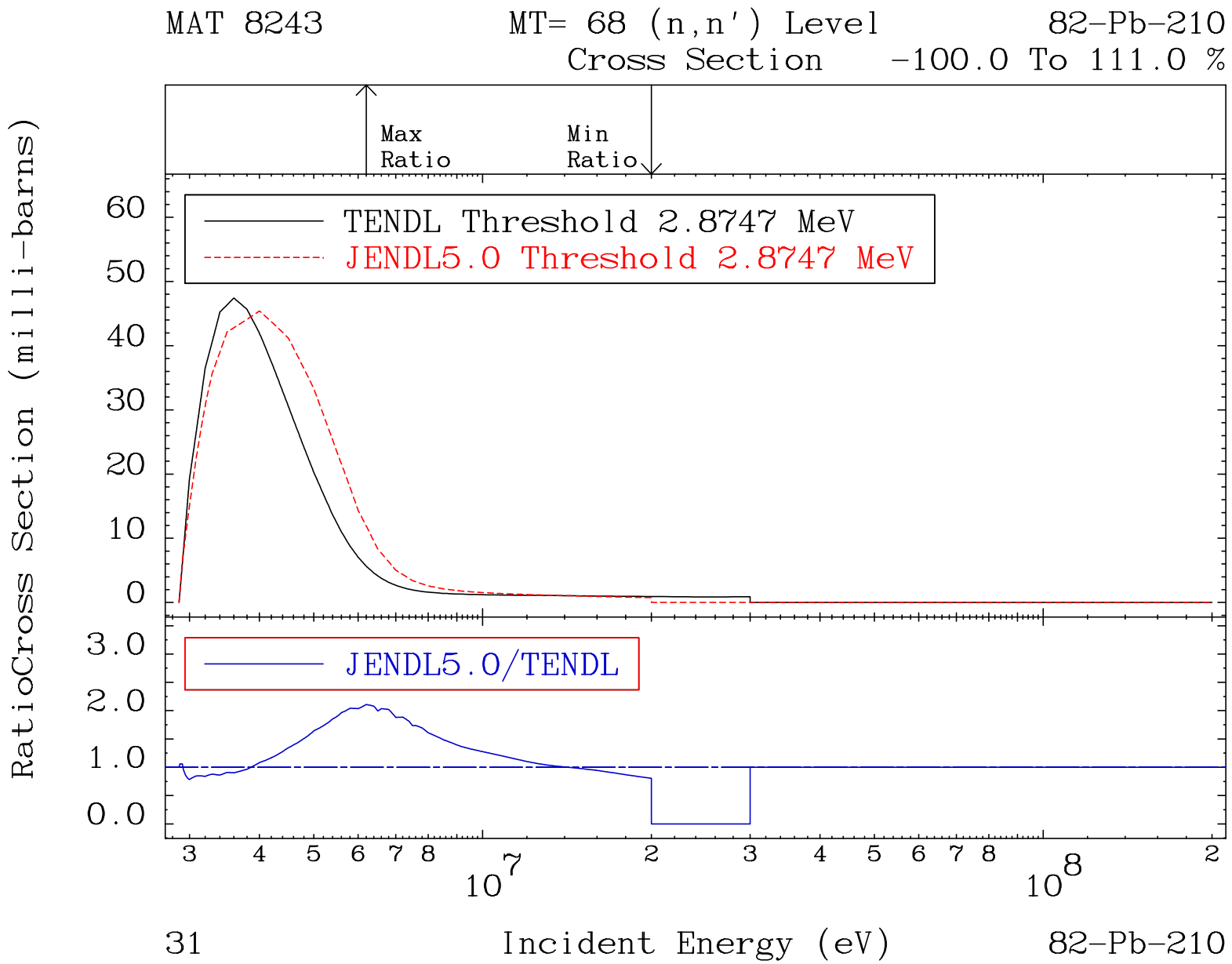

MAT 8243
MT= 63 (n,n') Level
82-Pb-210
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.5241 MeV
JENDL5.0 Threshold 2.5241 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
26
82-Pb-210

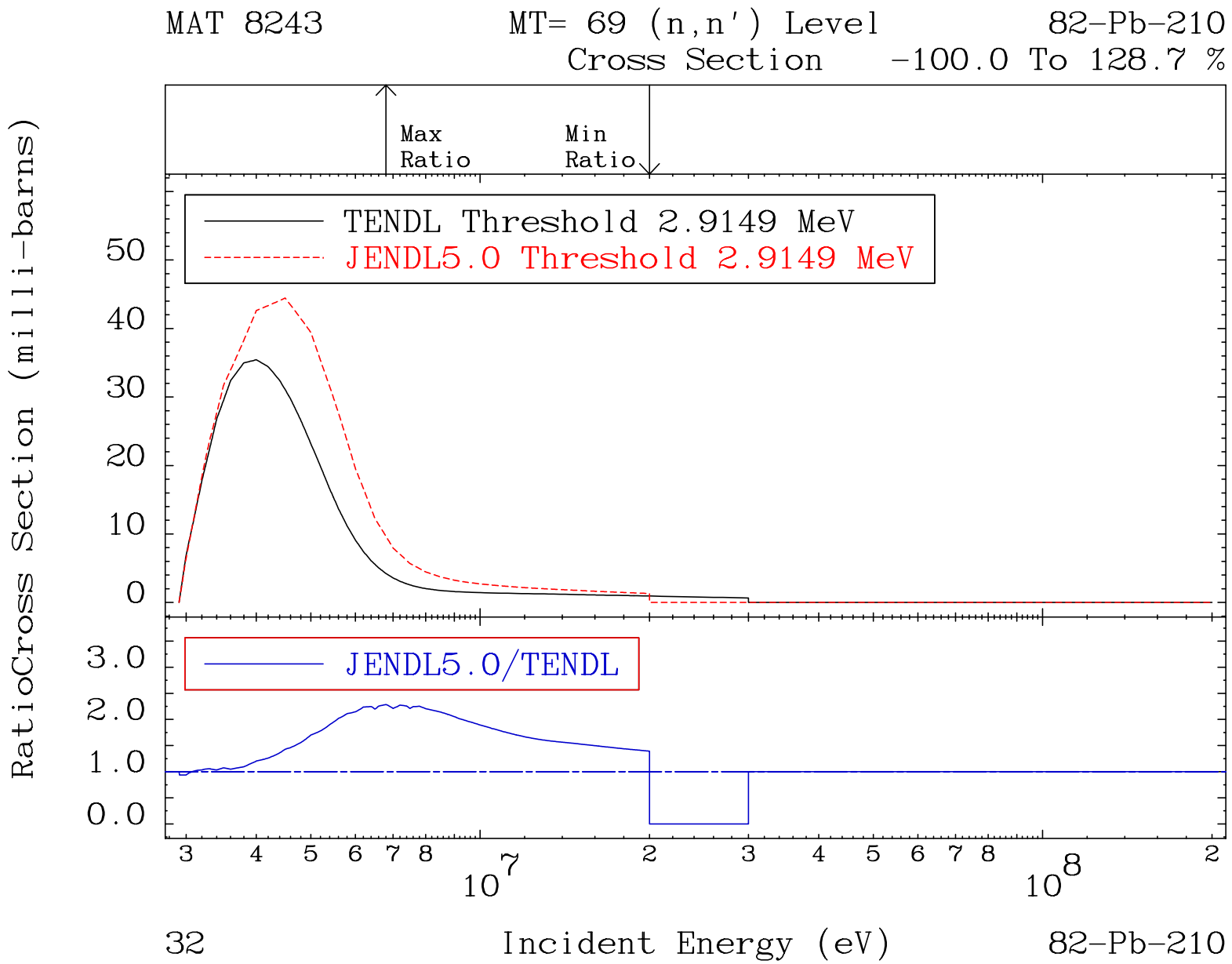

MAT 8243
MT= 64 (n,n') Level
82-Pb-210
Cross Section -100.0 To 166.4 %
Max Ratio
Min Ratio
TENDL Threshold 2.5301 MeV
JENDL5.0 Threshold 2.5301 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
27
82-Pb-210

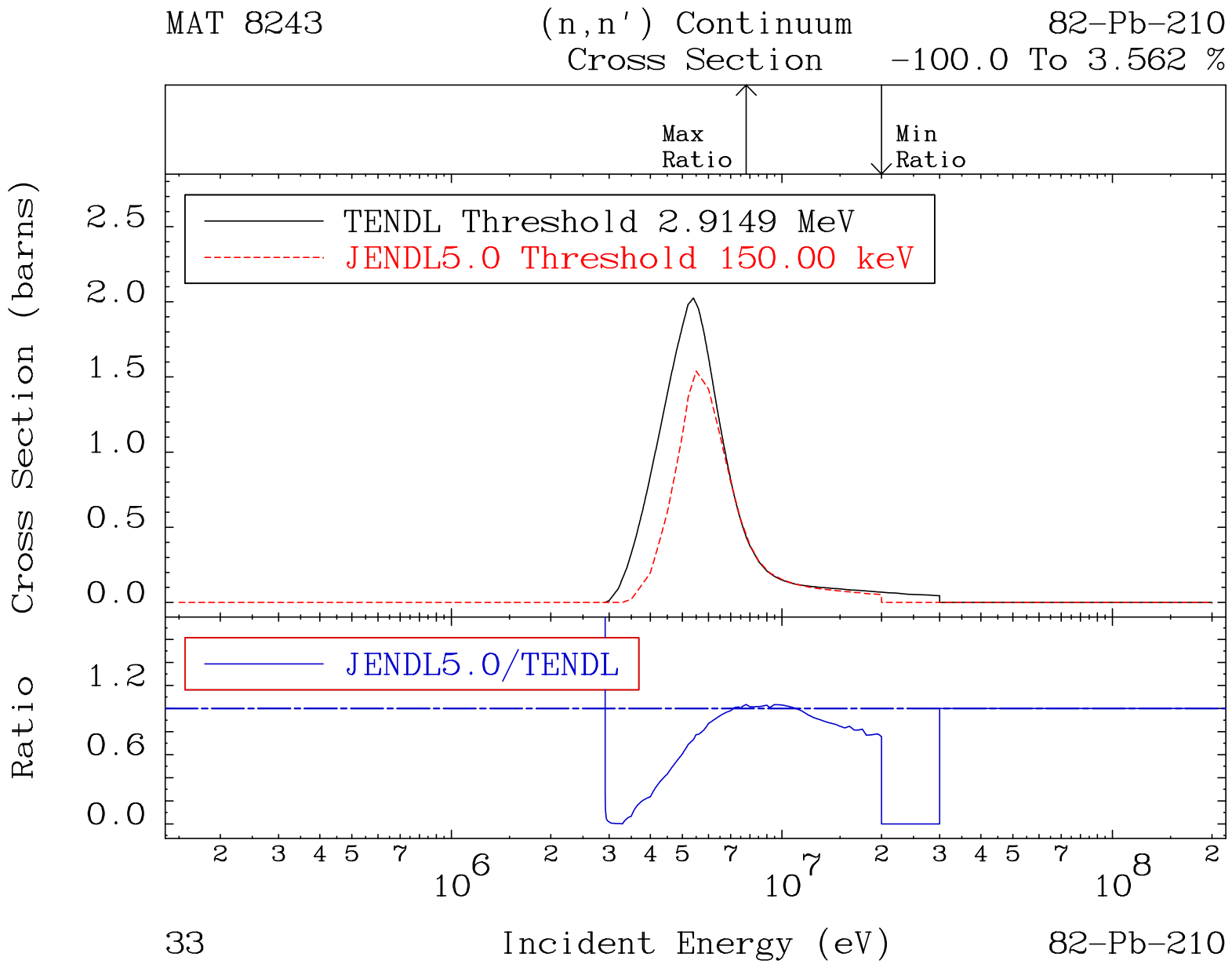

MAT 8243
MT= 65 (n,n') Level
82-Pb-210
Cross Section -100.0 To 191.7 %
Max Ratio
Min Ratio
TENDL Threshold 2.7140 MeV
JENDL5.0 Threshold 2.7140 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
82-Pb-210

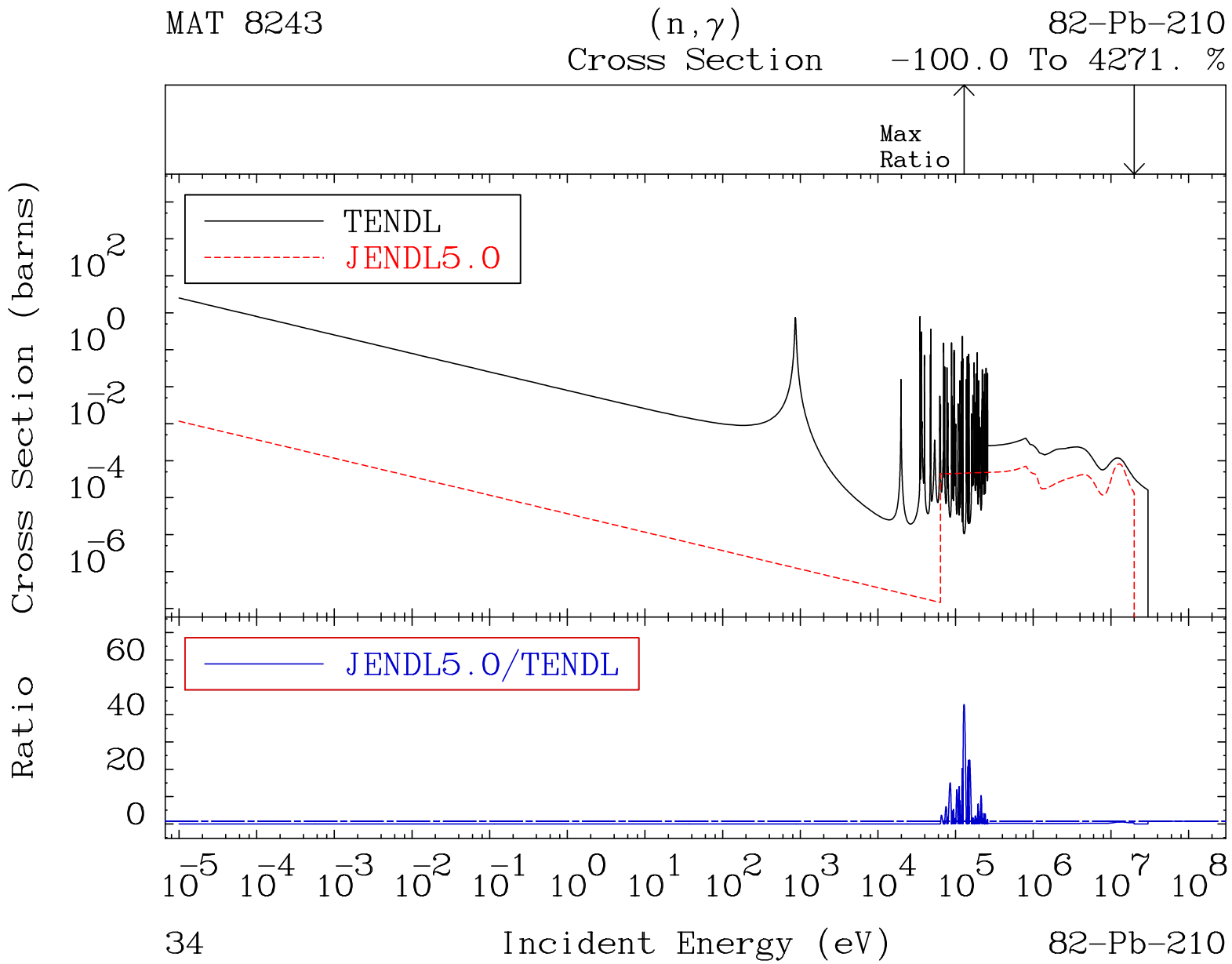

MAT 8243
MT= 66 (n,n') Level
82-Pb-210
Cross Section
-100.0 To 157.0 %
Max Ratio
Min Ratio
TENDL Threshold 2.8034 MeV
JENDL5.0 Threshold 2.8034 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
82-Pb-210

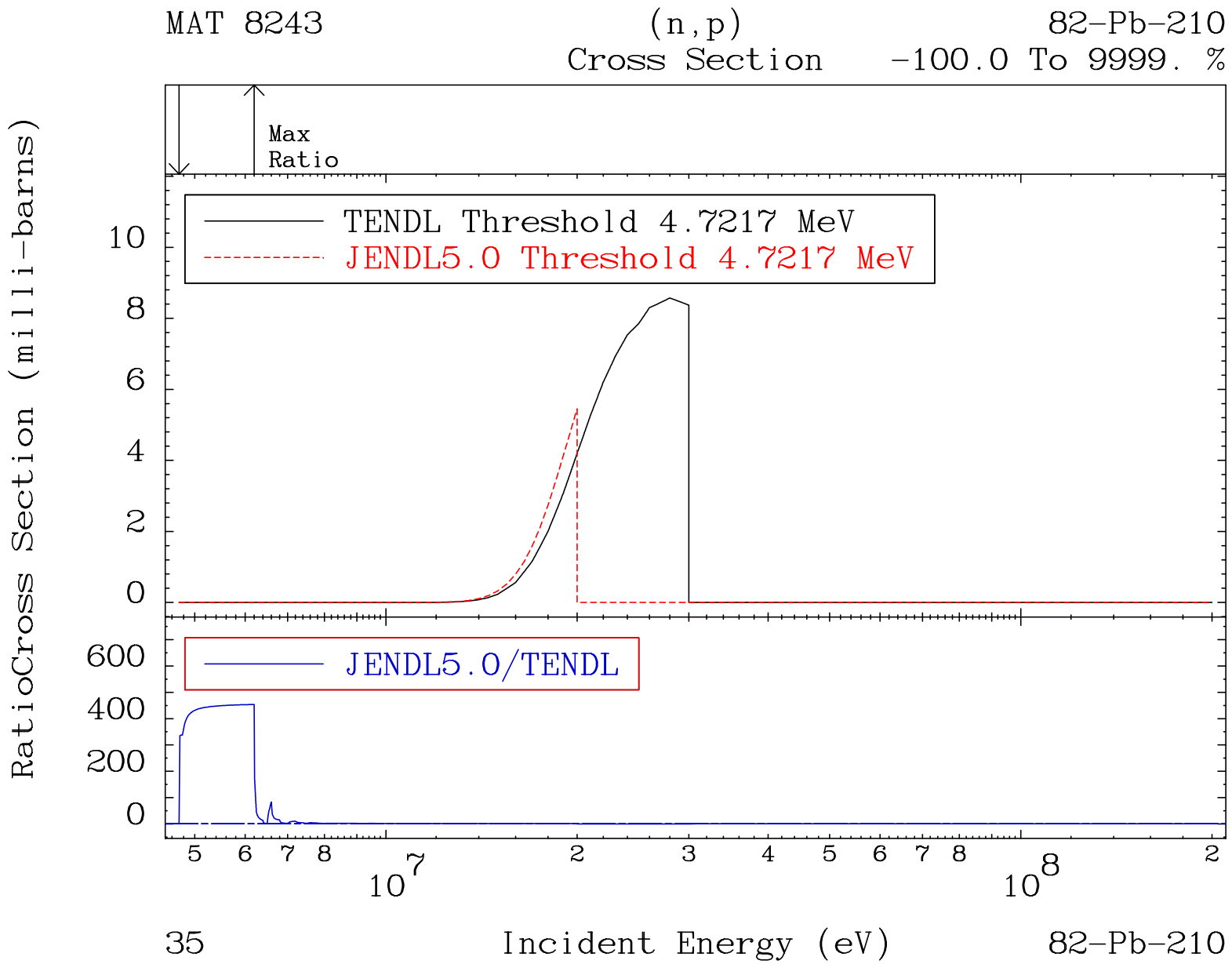

MAT 8243
MT= 67 (n,n') Level
82-Pb-210
Cross Section
-100.0 To 103.2 %
Max Ratio
Min Ratio
TENDL Threshold 2.8416 MeV
JENDL5.0 Threshold 2.8416 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
82-Pb-210

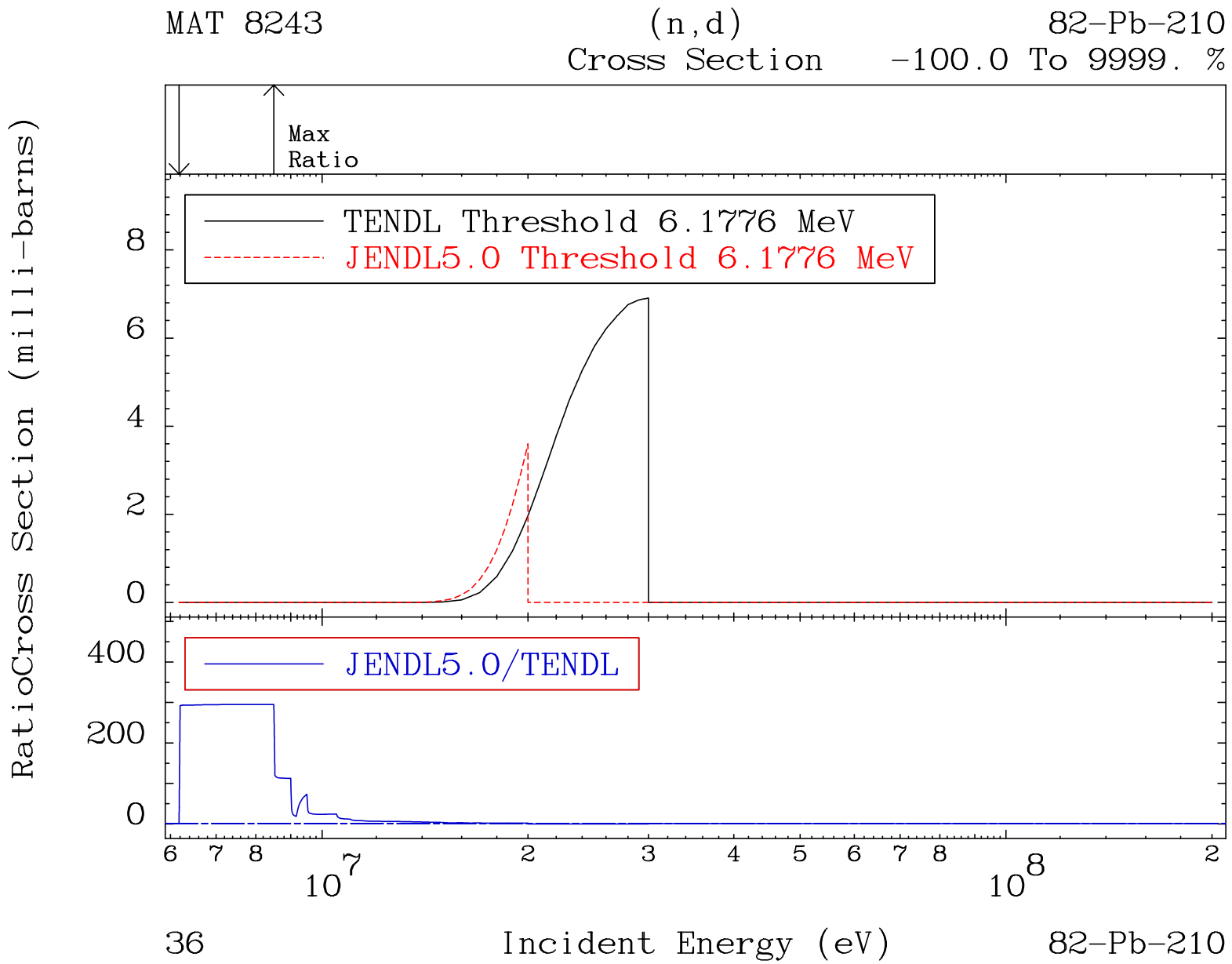

MAT 8243
MT= 68 (n,n') Level
82-Pb-210
Cross Section -100.0 To 111.0 %
Max Ratio
Min Ratio
TENDL Threshold 2.8747 MeV
JENDL5.0 Threshold 2.8747 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
82-Pb-210

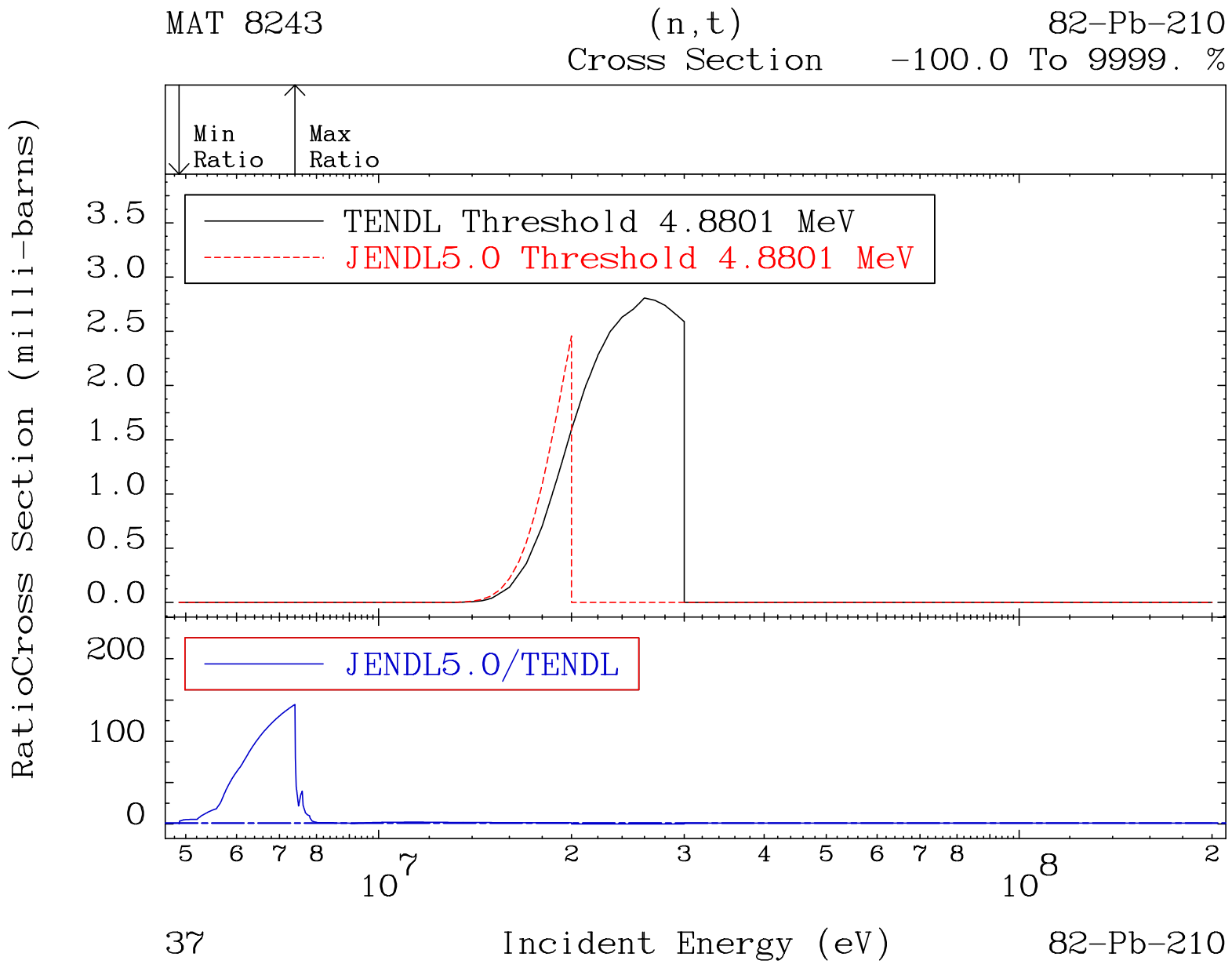

MAT 8243
MT= 69 (n,n') Level
82-Pb-210
Cross Section
-100.0 To 128.7 %
Max Ratio
Min Ratio
TENDL Threshold 2.9149 MeV
JENDL5.0 Threshold 2.9149 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
82-Pb-210

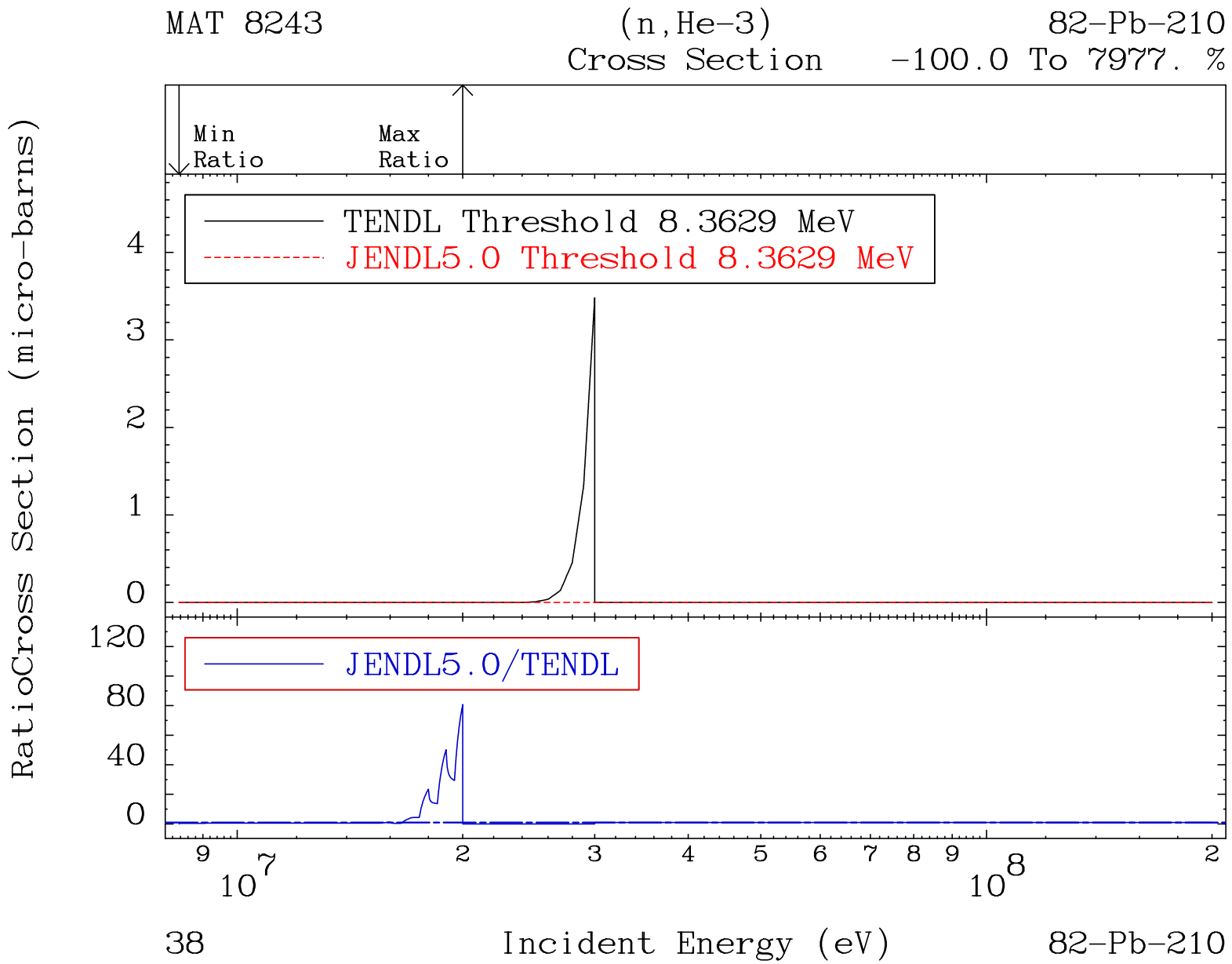

MAT 8243
(n,n') Continuum
Cross Section
82-Pb-210
-100.0 To 3.562 %
Max Ratio
Min Ratio
TENDL Threshold 2.9149 MeV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
33
Incident Energy (eV)
82-Pb-210

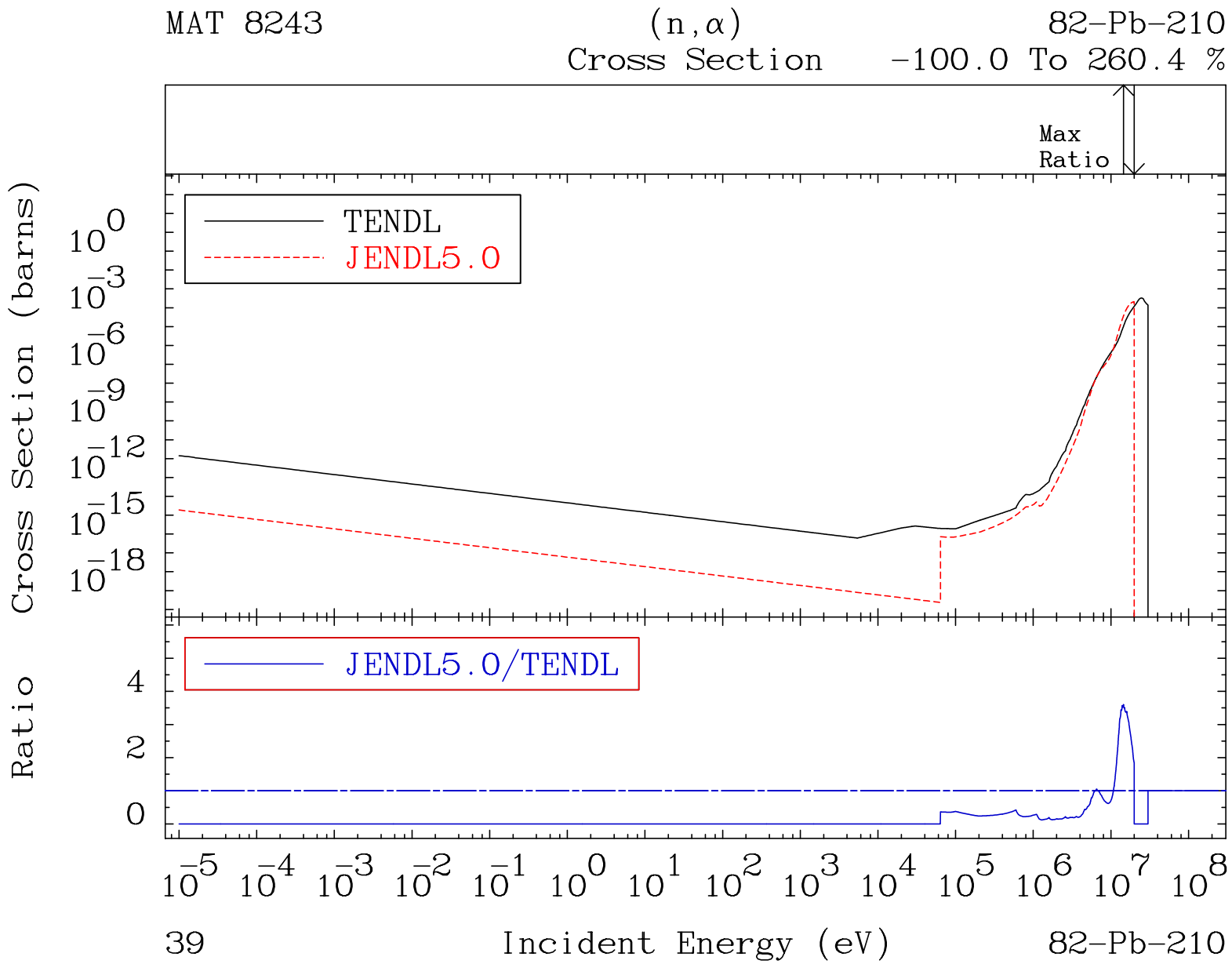

MAT 8243
(n,γ)
Cross Section
82-Pb-210
-100.0 To 4271. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
34
82-Pb-210

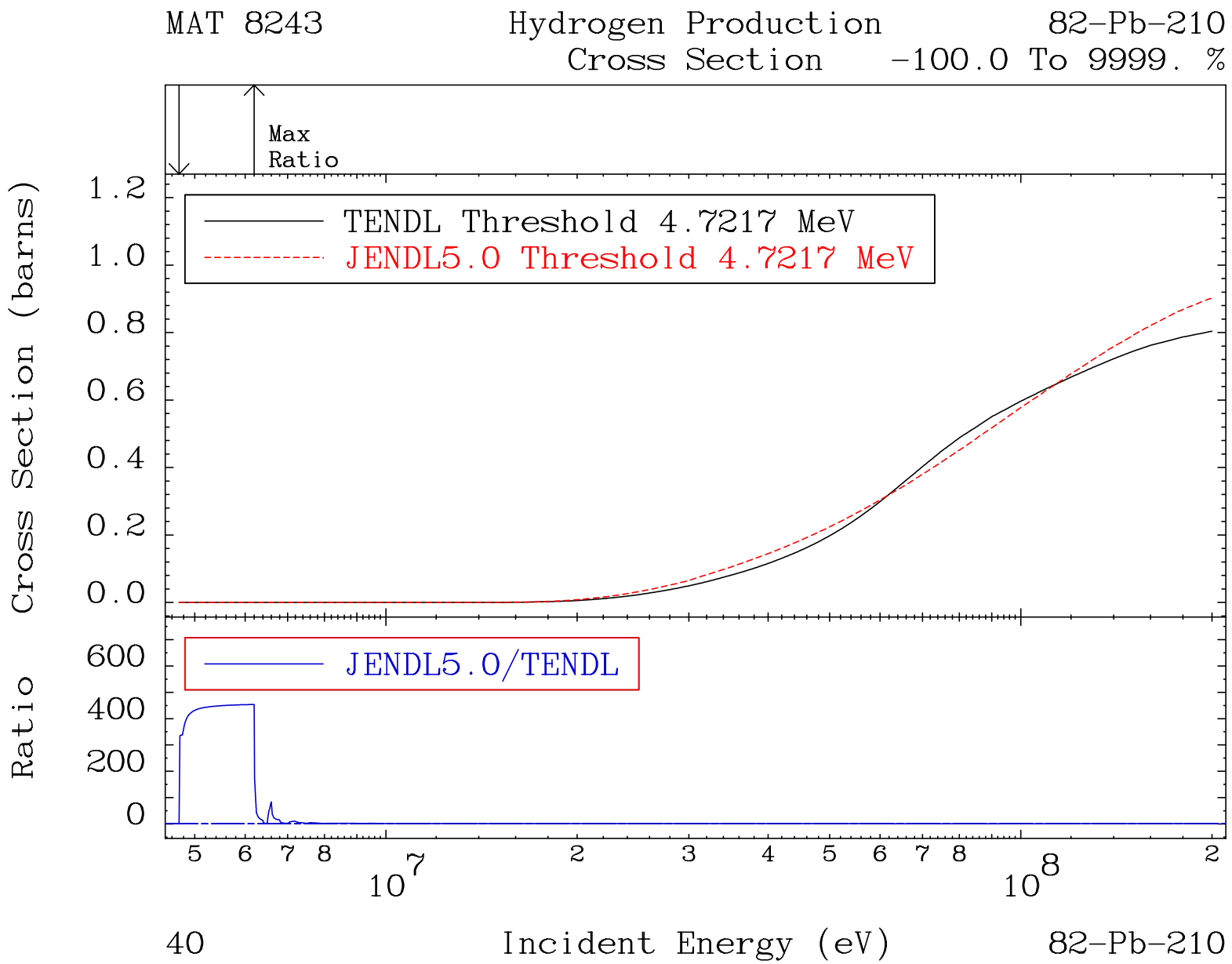

MAT 8243
(n,p)
82-Pb-210
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 4.7217 MeV
JENDL5.0 Threshold 4.7217 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
600
400
200
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
82-Pb-210

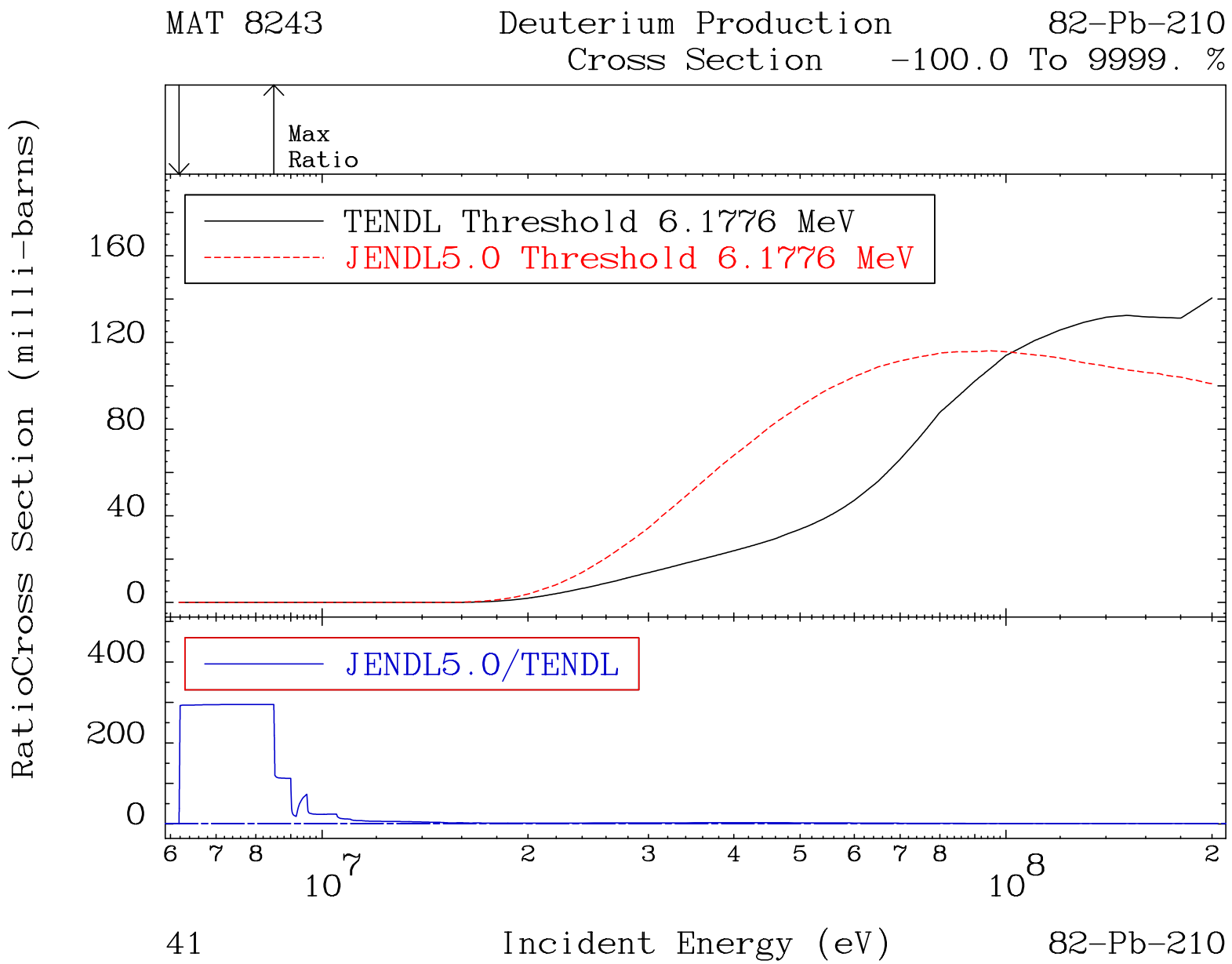

MAT 8243
(n,d)
82-Pb-210
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.1776 MeV
JENDL5.0 Threshold 6.1776 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
400
200
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
82-Pb-210

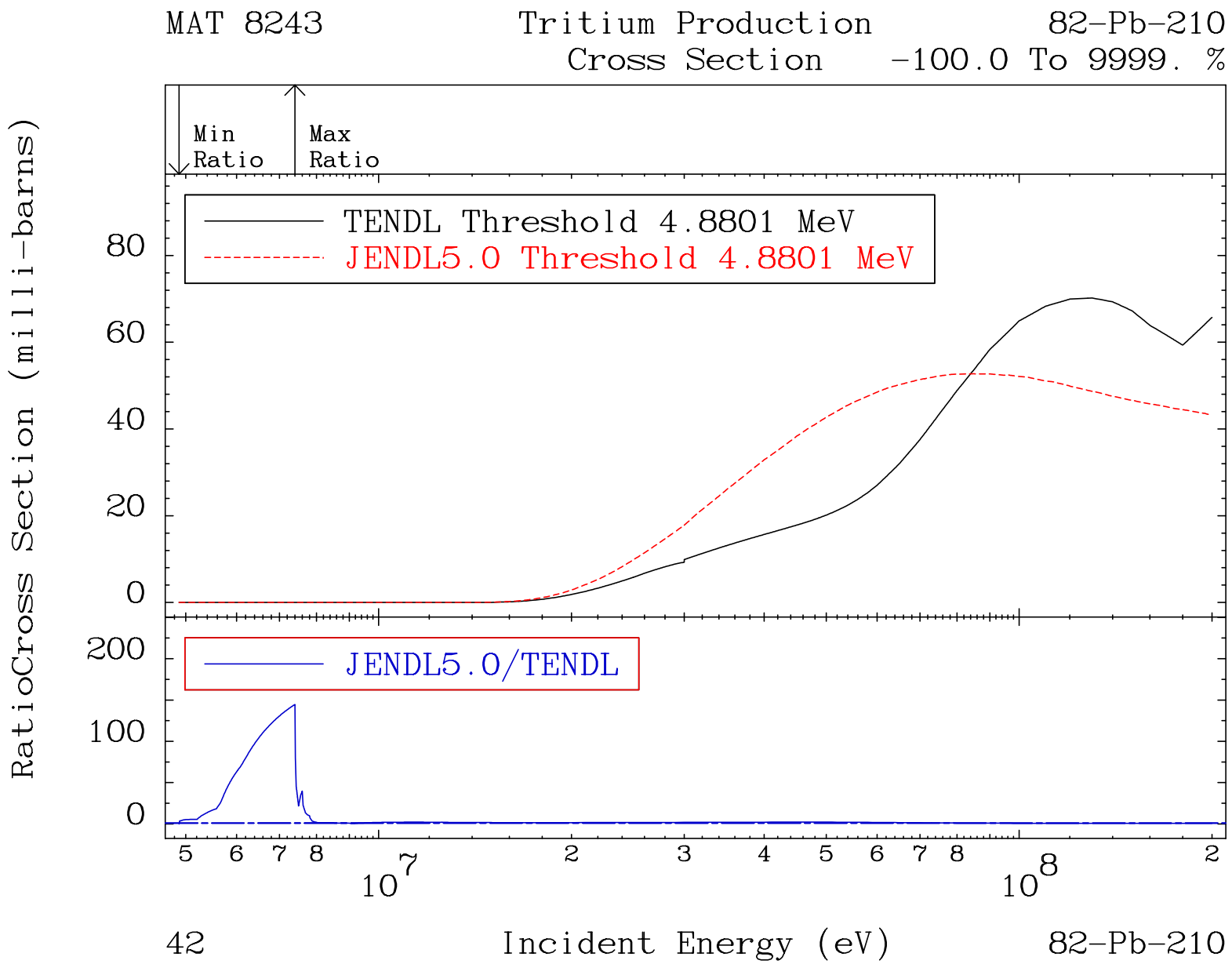

MAT 8243
(n,t)
82-Pb-210
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.8801 MeV
JENDL5.0 Threshold 4.8801 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
200
100
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
37
Incident Energy (eV)
82-Pb-210

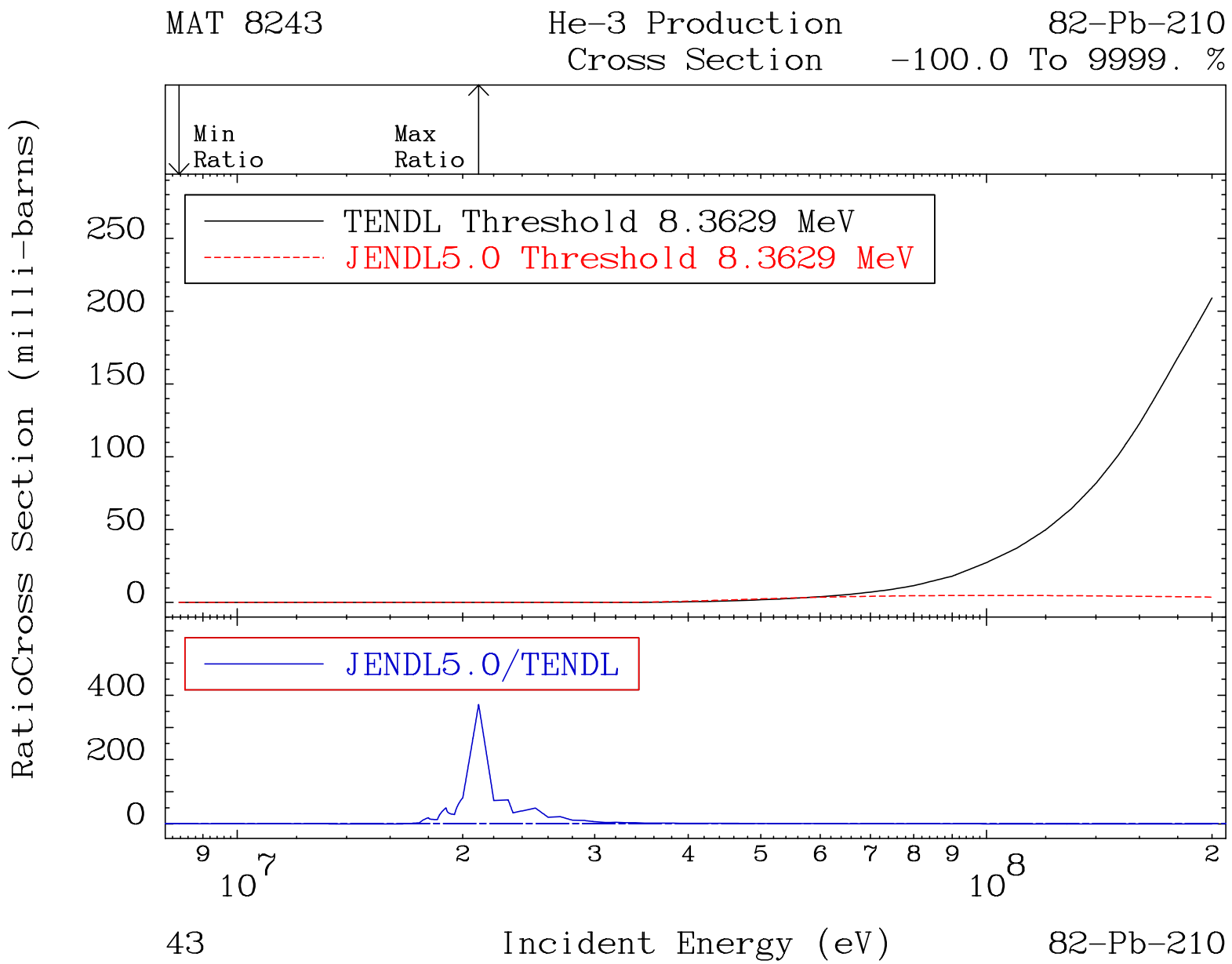

MAT 8243
(n,He-3)
Cross Section
82-Pb-210
-100.0 To 7977. %
Min Ratio
Max Ratio
TENDL Threshold 8.3629 MeV
JENDL5.0 Threshold 8.3629 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
4
3
2
1
0
120
80
40
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
38
Incident Energy (eV)
82-Pb-210

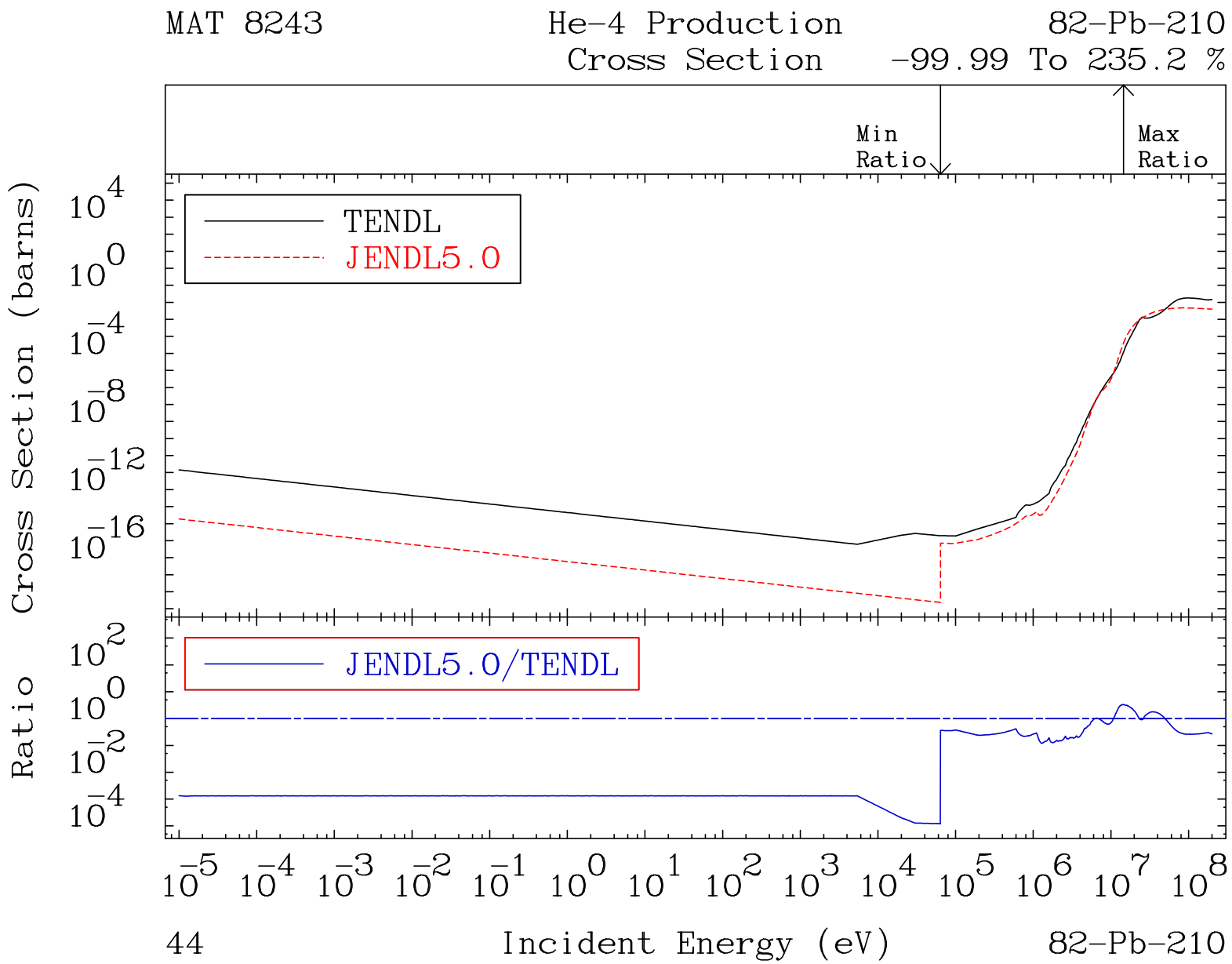

MAT 8243
(n,α)
Cross Section
82-Pb-210
-100.0 To 260.4 %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^0
10^-3
10^-6
10^-9
10^-12
10^-15
10^-18
JENDL5.0/TENDL
Ratio
4
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
39
Incident Energy (eV)
82-Pb-210

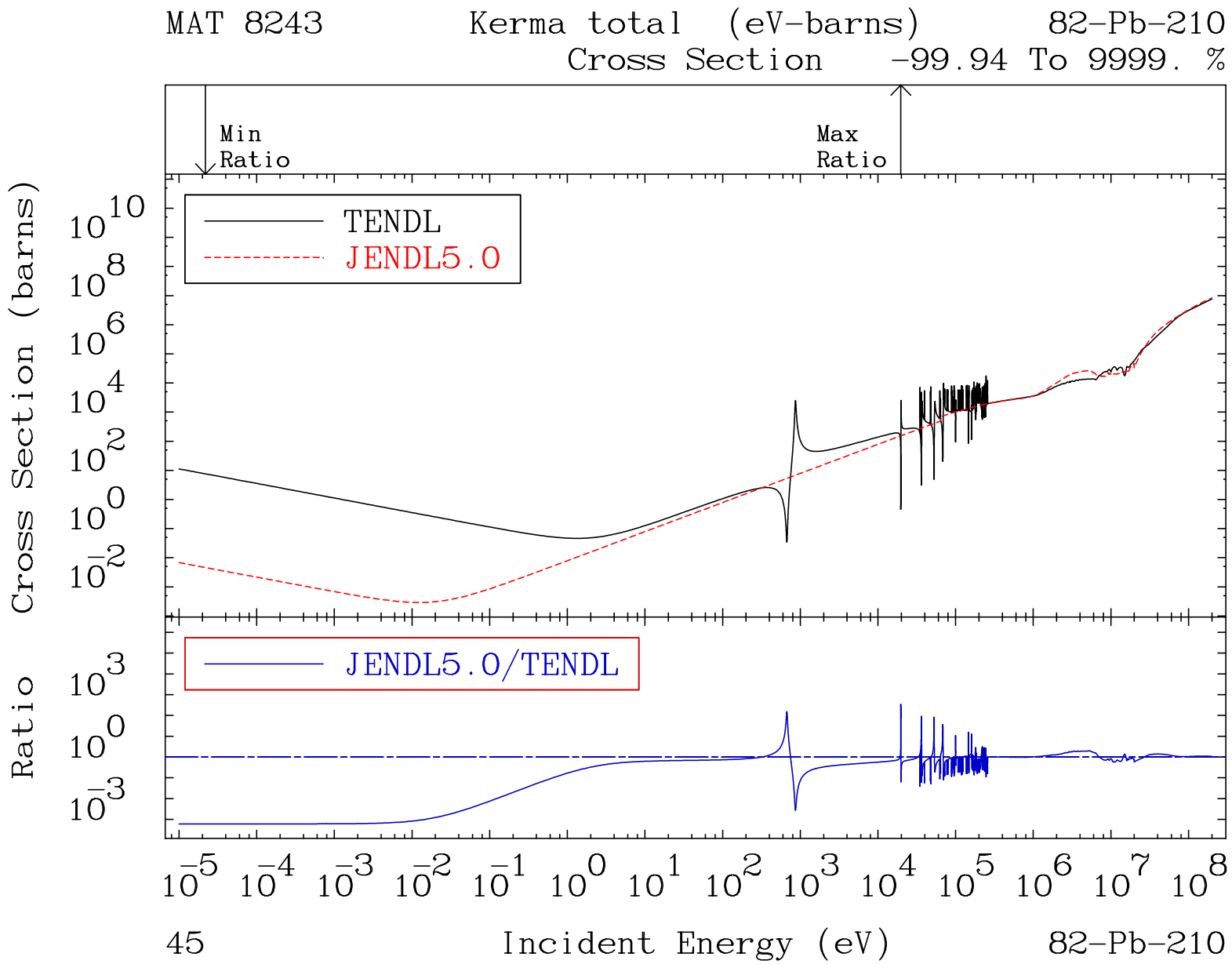

MAT 8243
Hydrogen Production
82-Pb-210
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 4.7217 MeV
JENDL5.0 Threshold 4.7217 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
600
400
200
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
40
Incident Energy (eV)
82-Pb-210

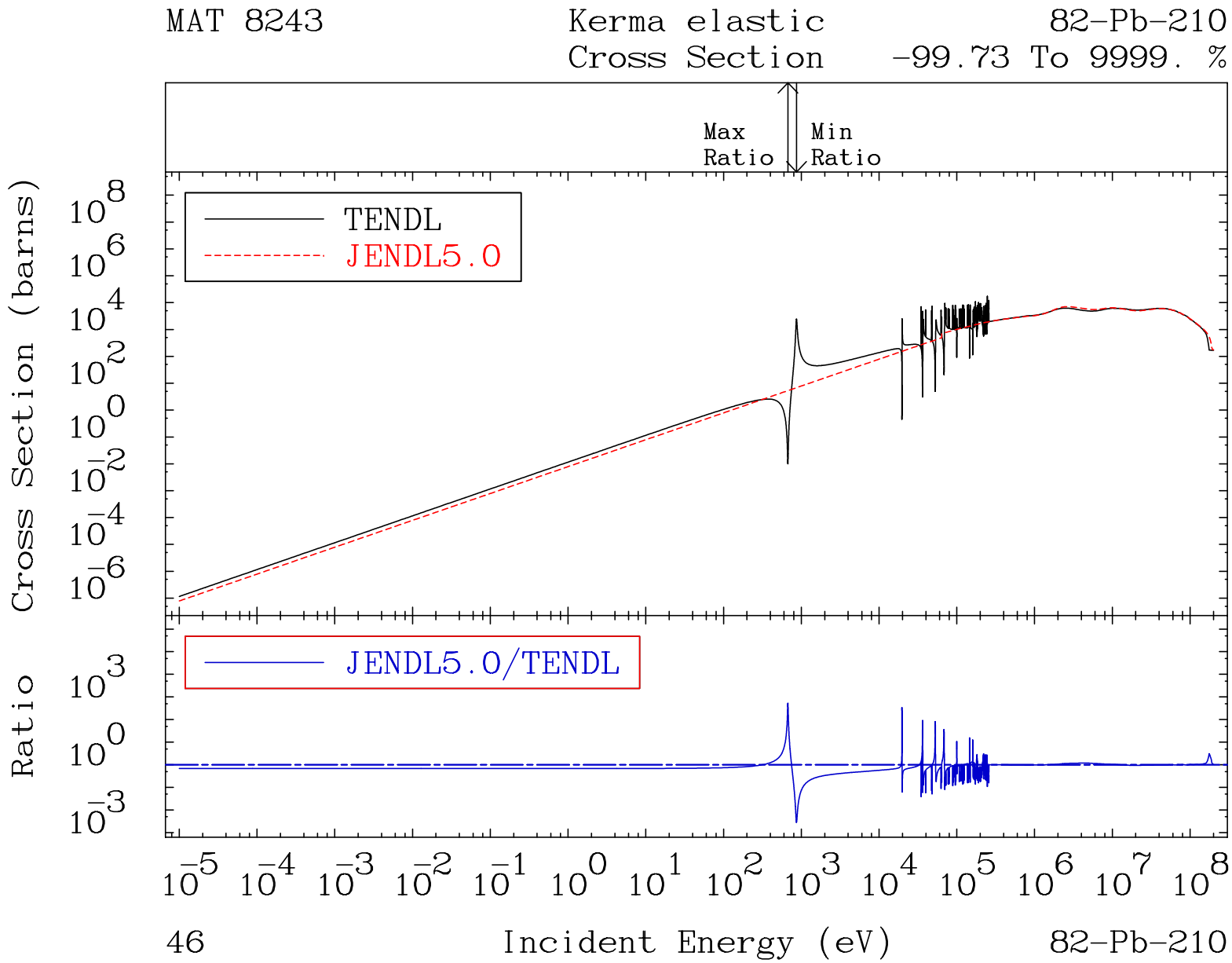

MAT 8243
Deuterium Production
82-Pb-210
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.1776 MeV
JENDL5.0 Threshold 6.1776 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
400
200
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
82-Pb-210

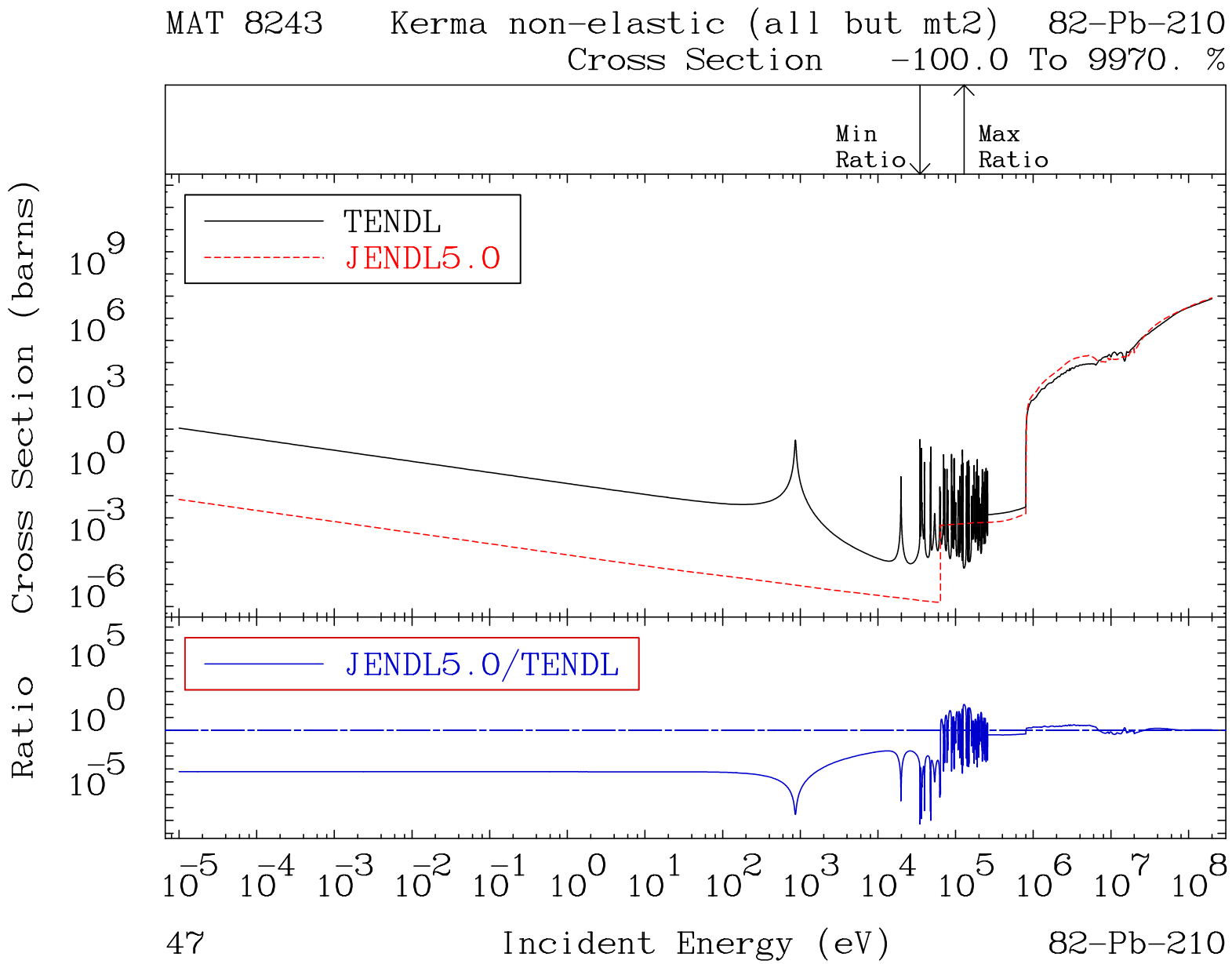

MAT 8243
Tritium Production
82-Pb-210
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.8801 MeV
JENDL5.0 Threshold 4.8801 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
200
100
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
42
Incident Energy (eV)
82-Pb-210

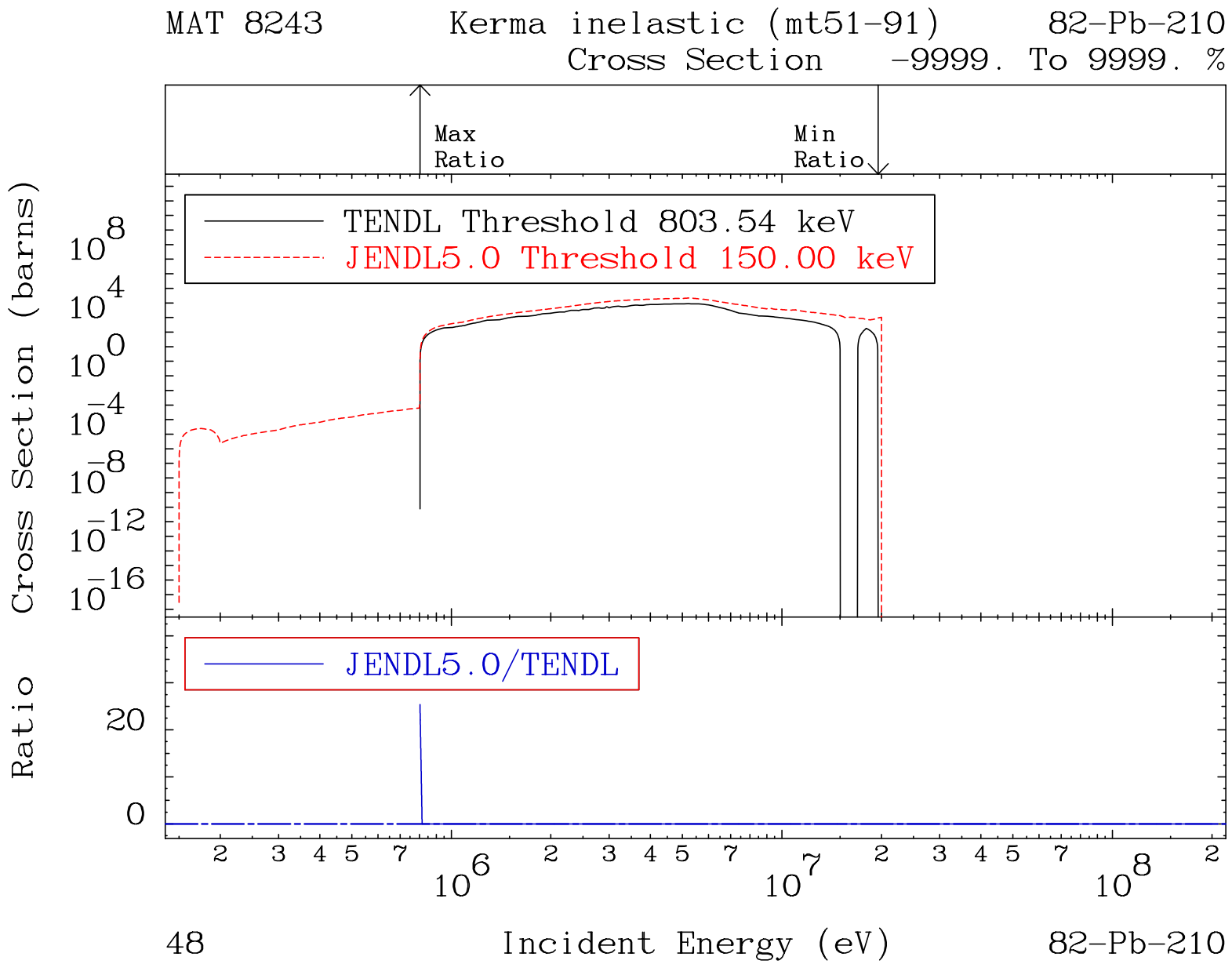

MAT 8243
He-3 Production
Cross Section
82-Pb-210
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 8.3629 MeV
JENDL5.0 Threshold 8.3629 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
400
200
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
43
Incident Energy (eV)
82-Pb-210

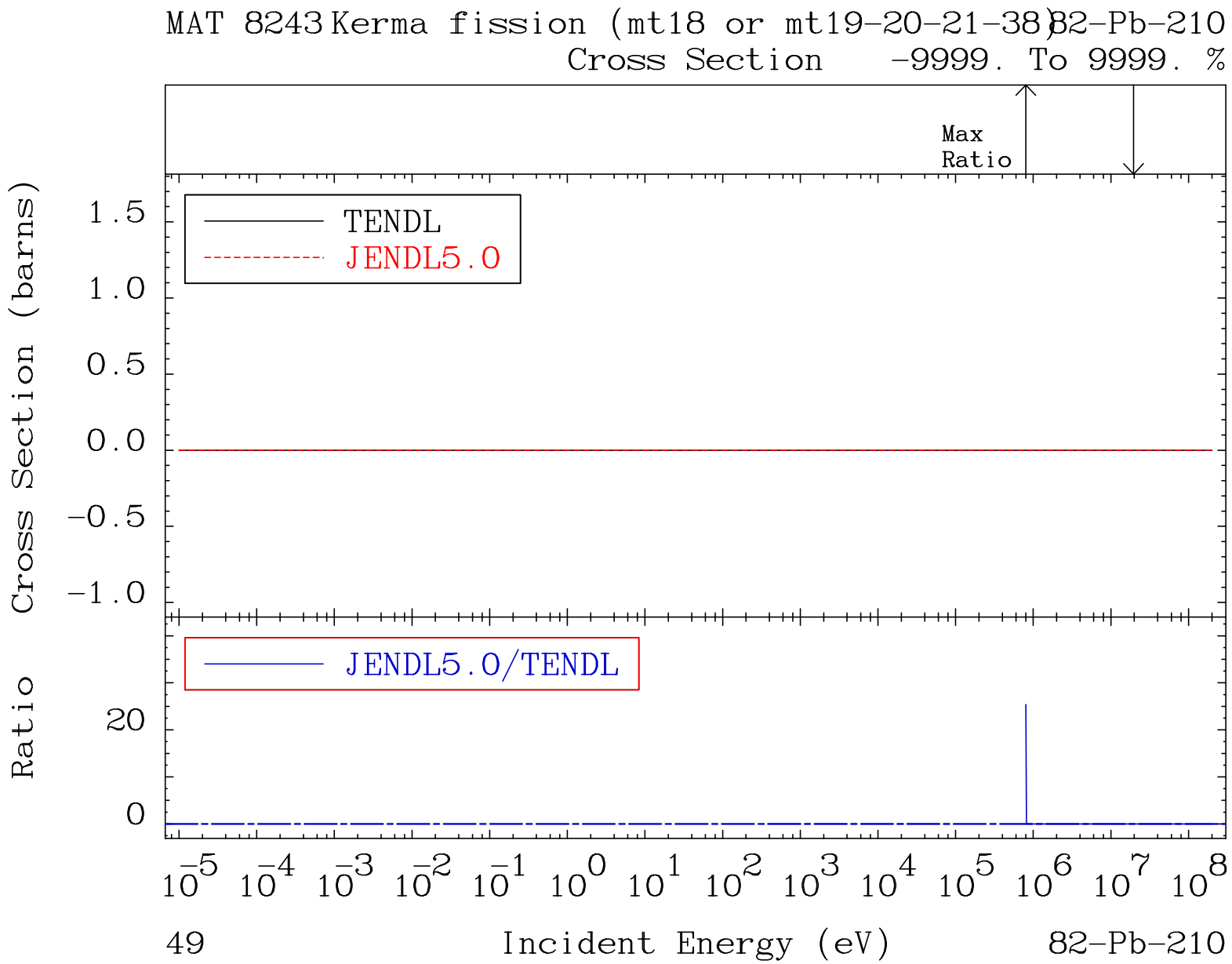

MAT 8243
He-4 Production
Cross Section
82-Pb-210
-99.99 To 235.2 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
82-Pb-210

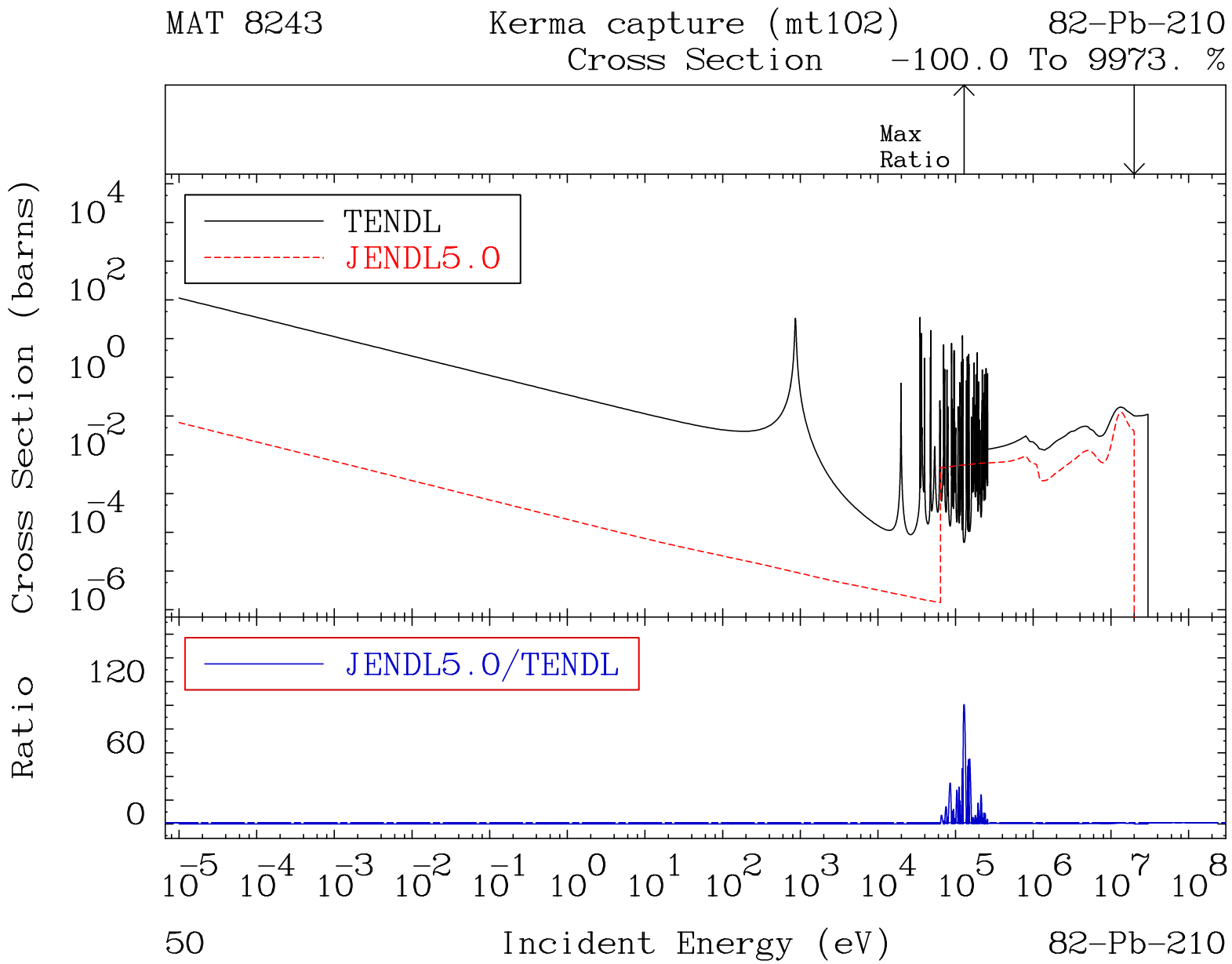

MAT 8243
Kerma total (eV-barns)
82-Pb-210
Cross Section -99.94 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
45
82-Pb-210

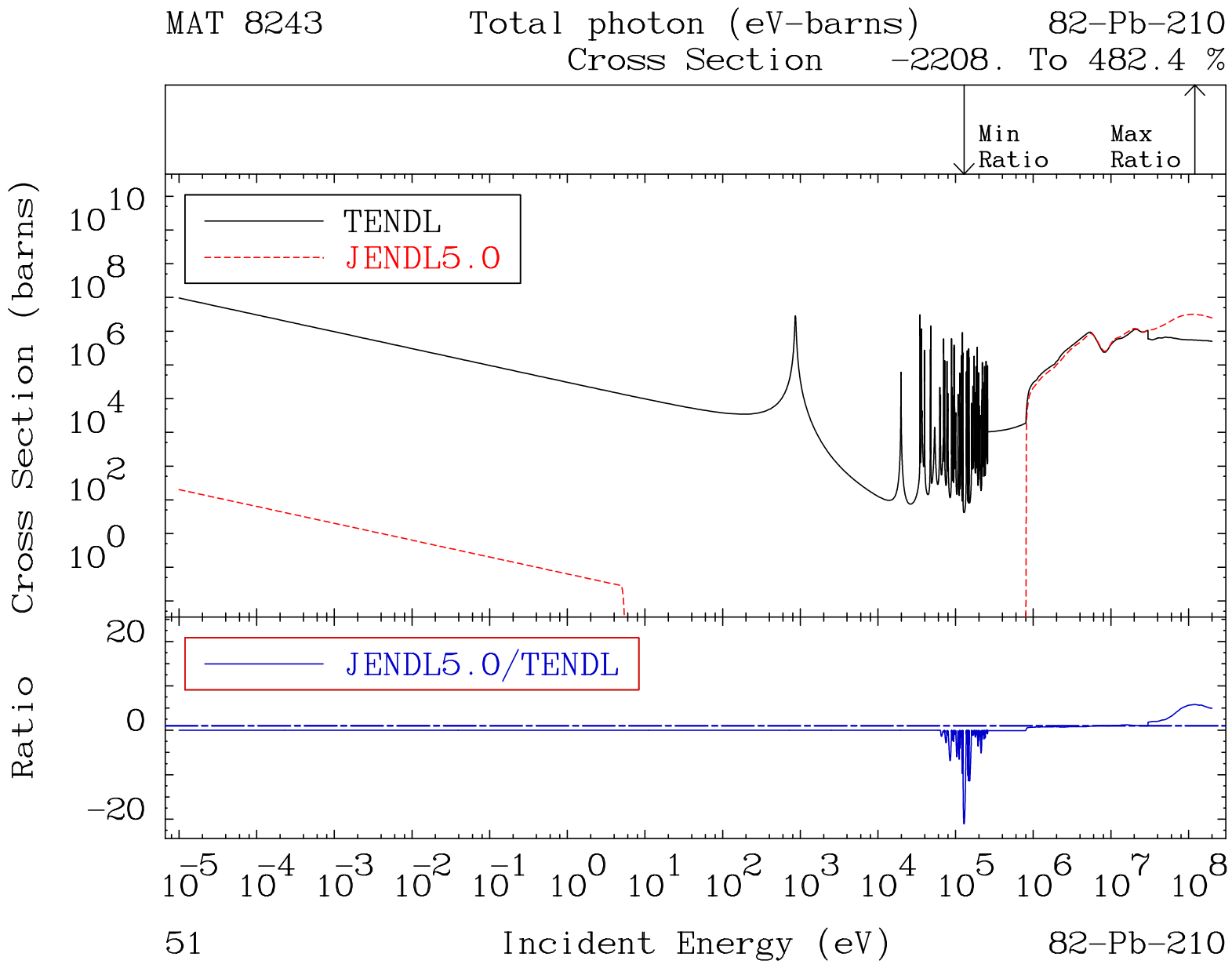

MAT 8243
Kerma elastic
Cross Section
82-Pb-210
-99.73 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
82-Pb-210

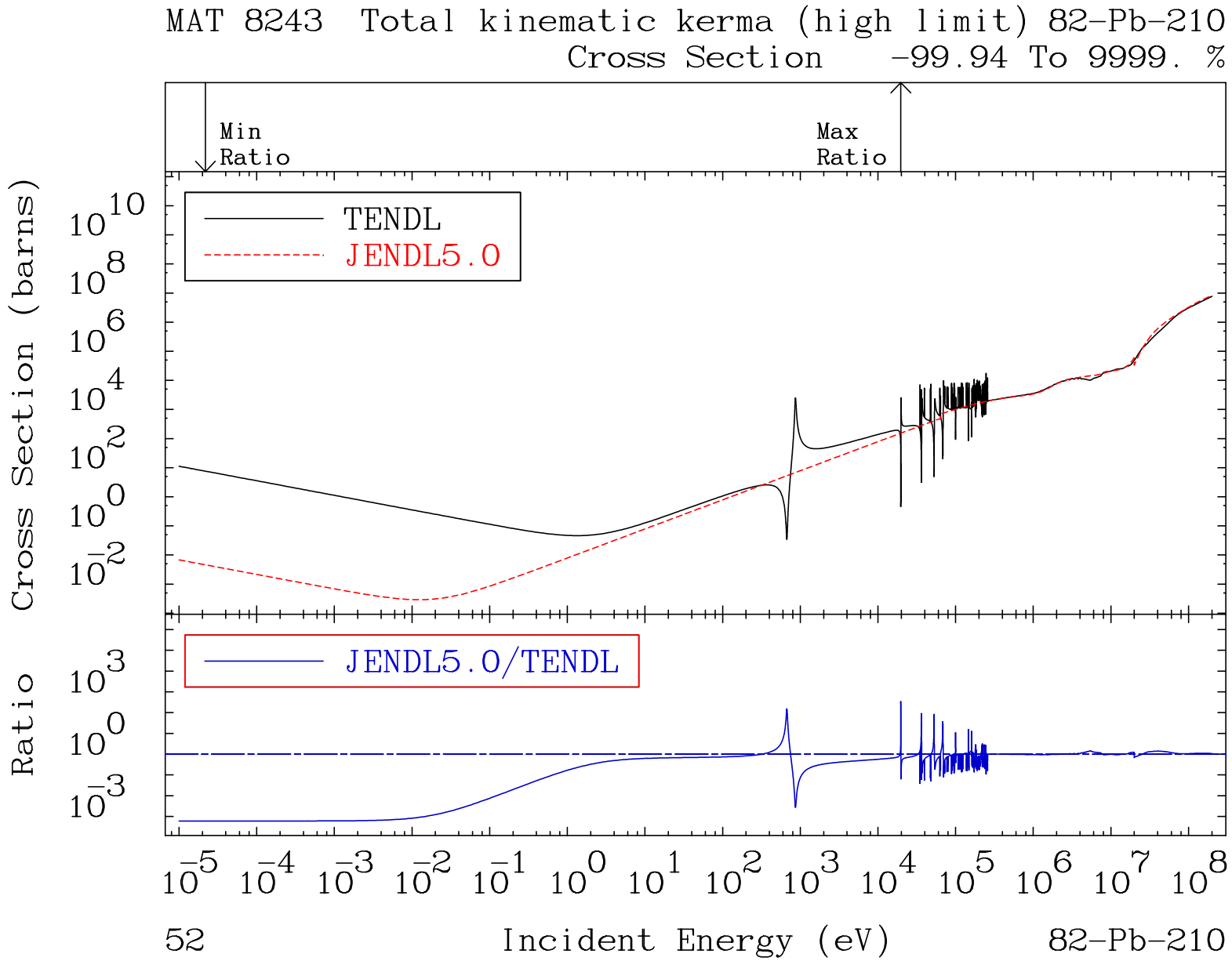

MAT 8243 Kerma non-elastic (all but mt2) 82-Pb-210
Cross Section -100.0 To 9970. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
82-Pb-210

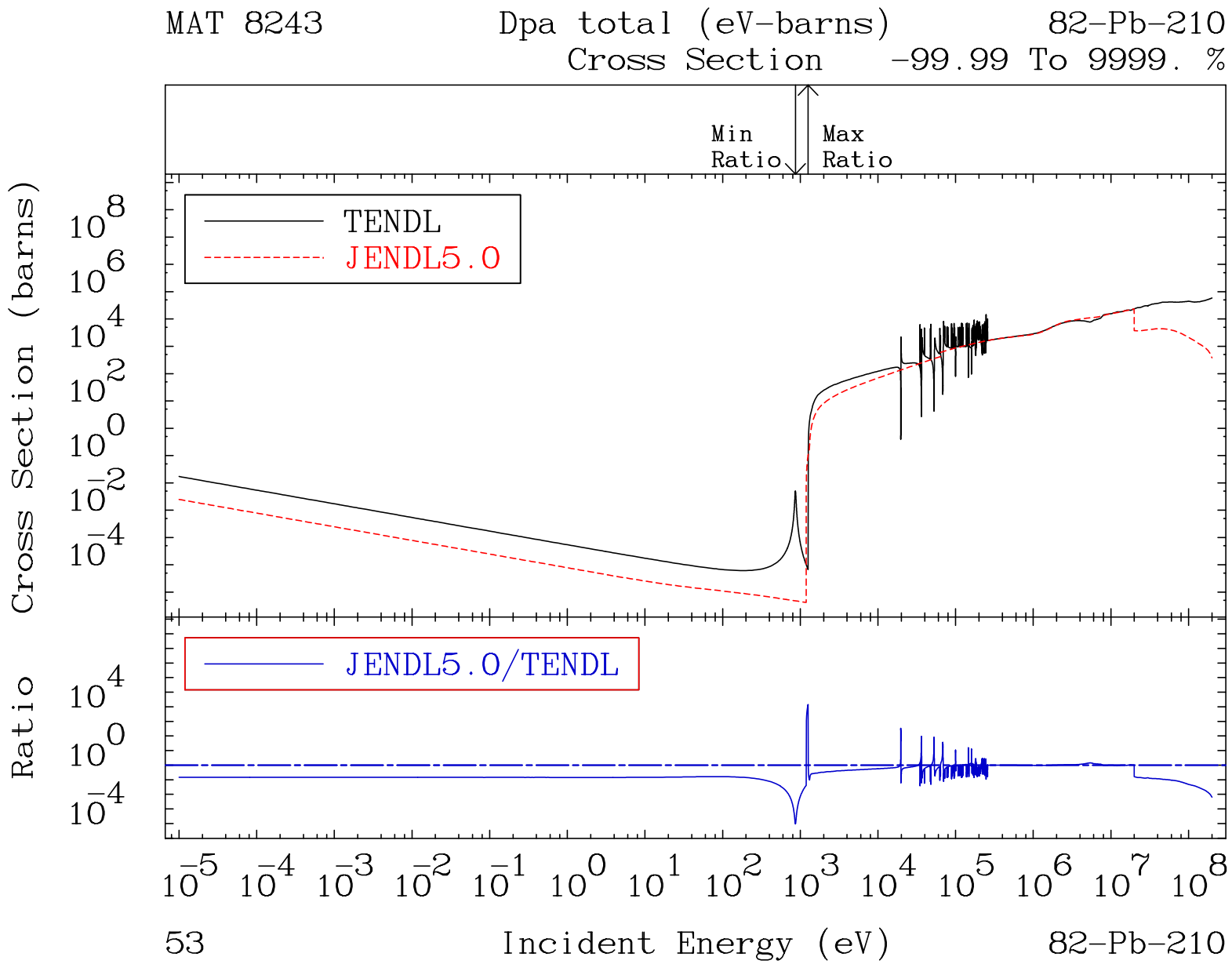

MAT 8243
Kerma inelastic (mt51-91)
82-Pb-210
Cross Section -9999. To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 803.54 keV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
48
82-Pb-210

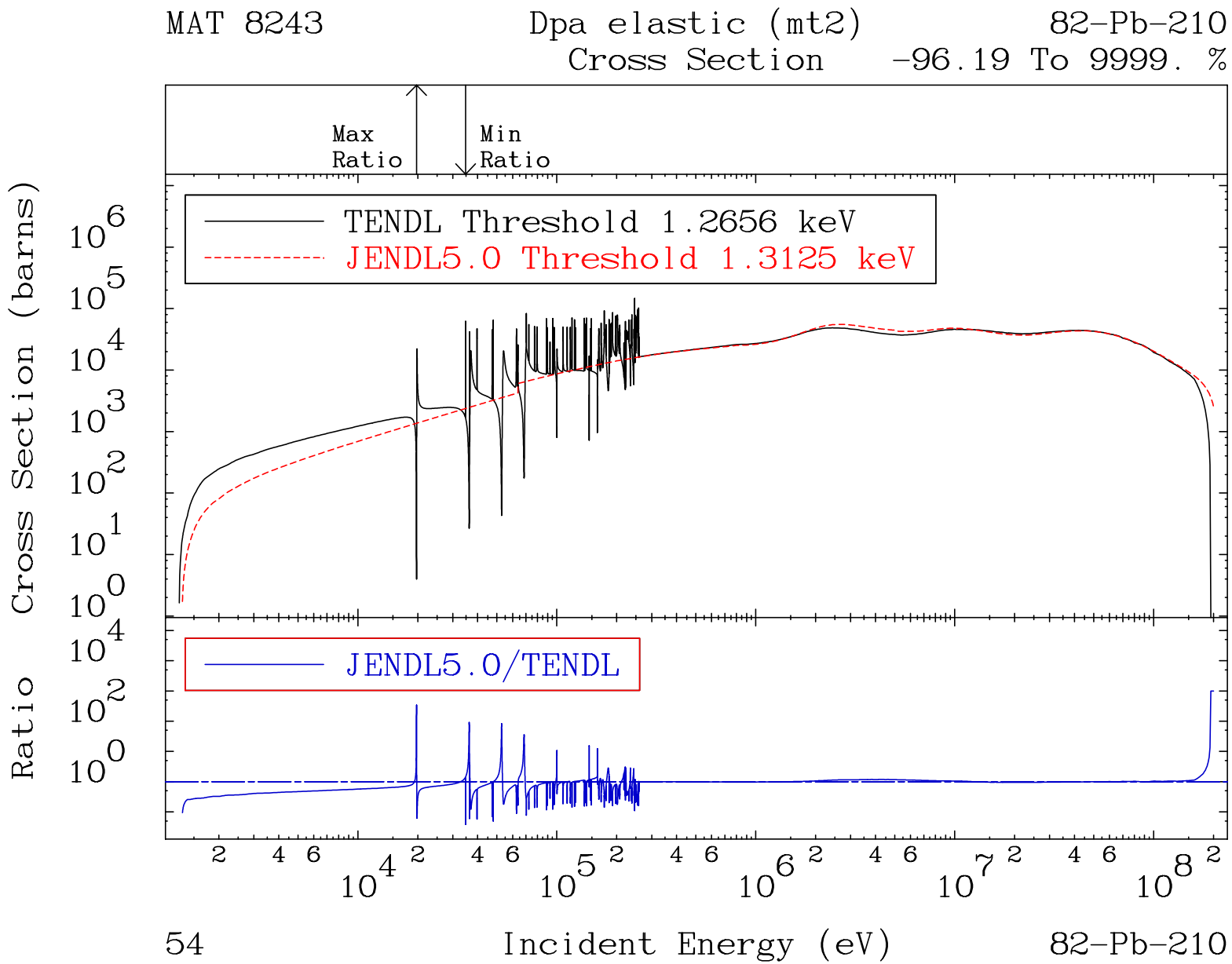

MAT 8243 Kerma fission (mt18 or mt19-20-21-38) 82-Pb-210
Cross Section -9999. To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
20
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
49
Incident Energy (eV)
82-Pb-210

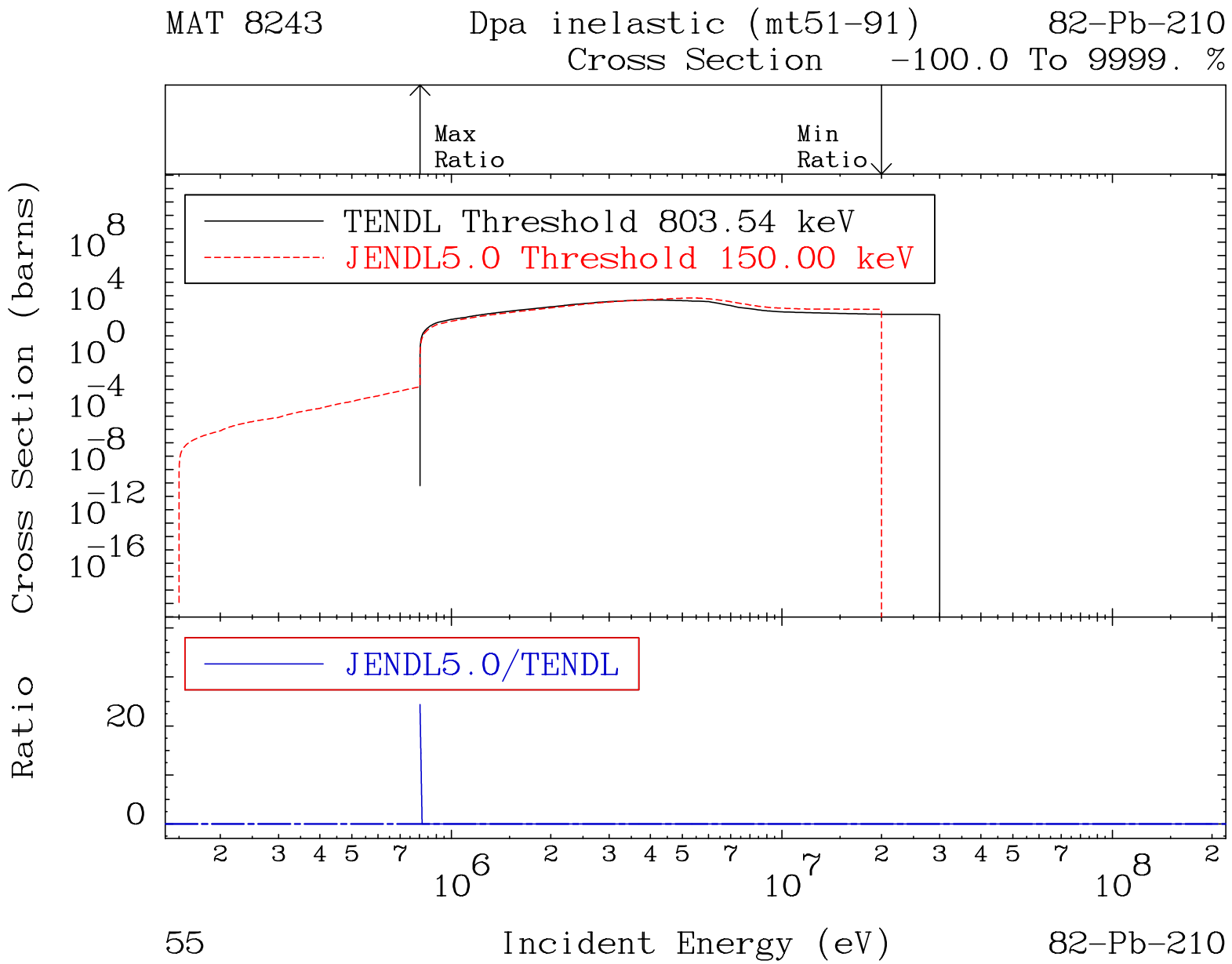

MAT 8243
Kerma capture (mt102)
82-Pb-210
Cross Section -100.0 To 9973. %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
82-Pb-210

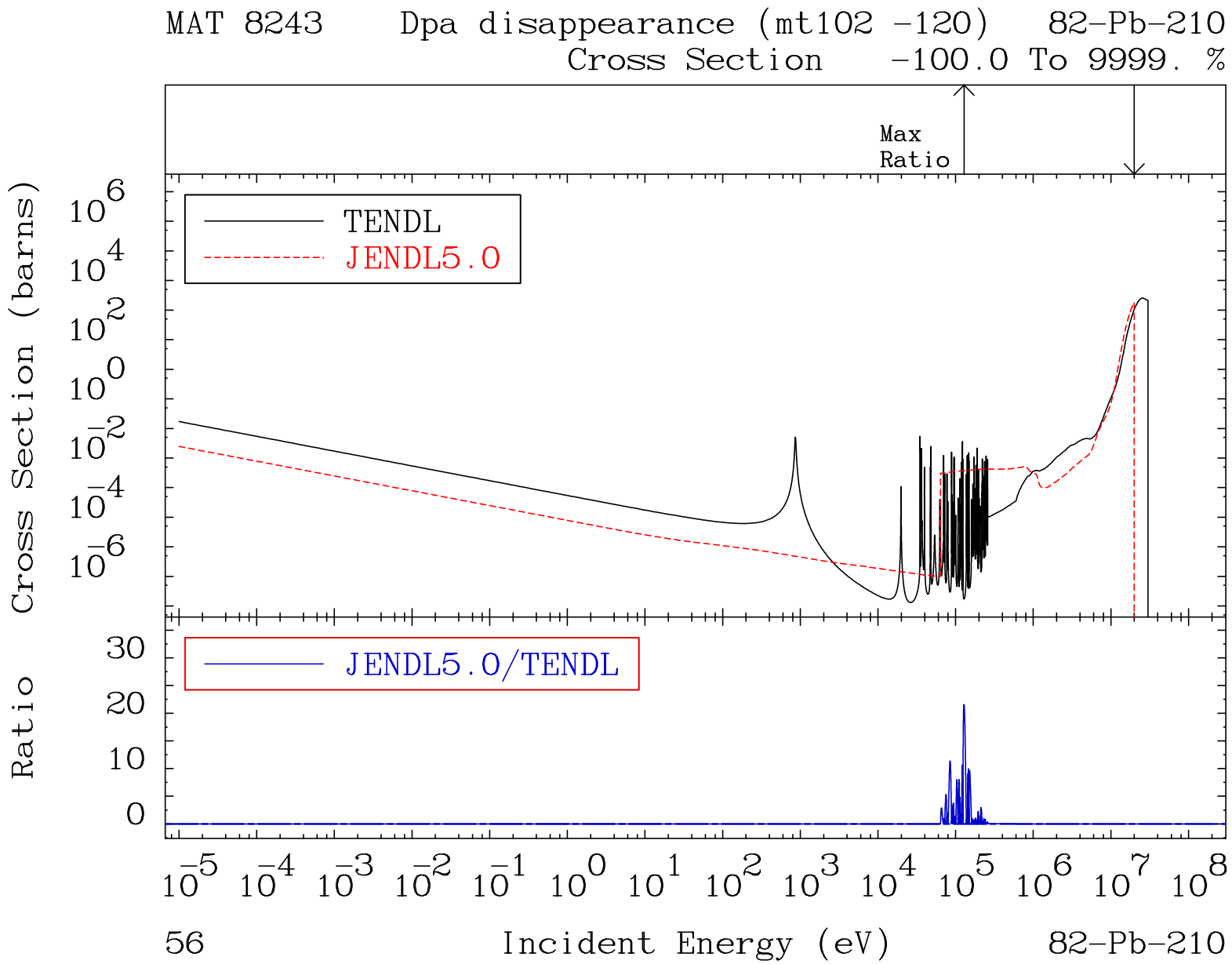

MAT 8243
Total photon (eV-barns)
82-Pb-210
Cross Section -2208. To 482.4 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
82-Pb-210

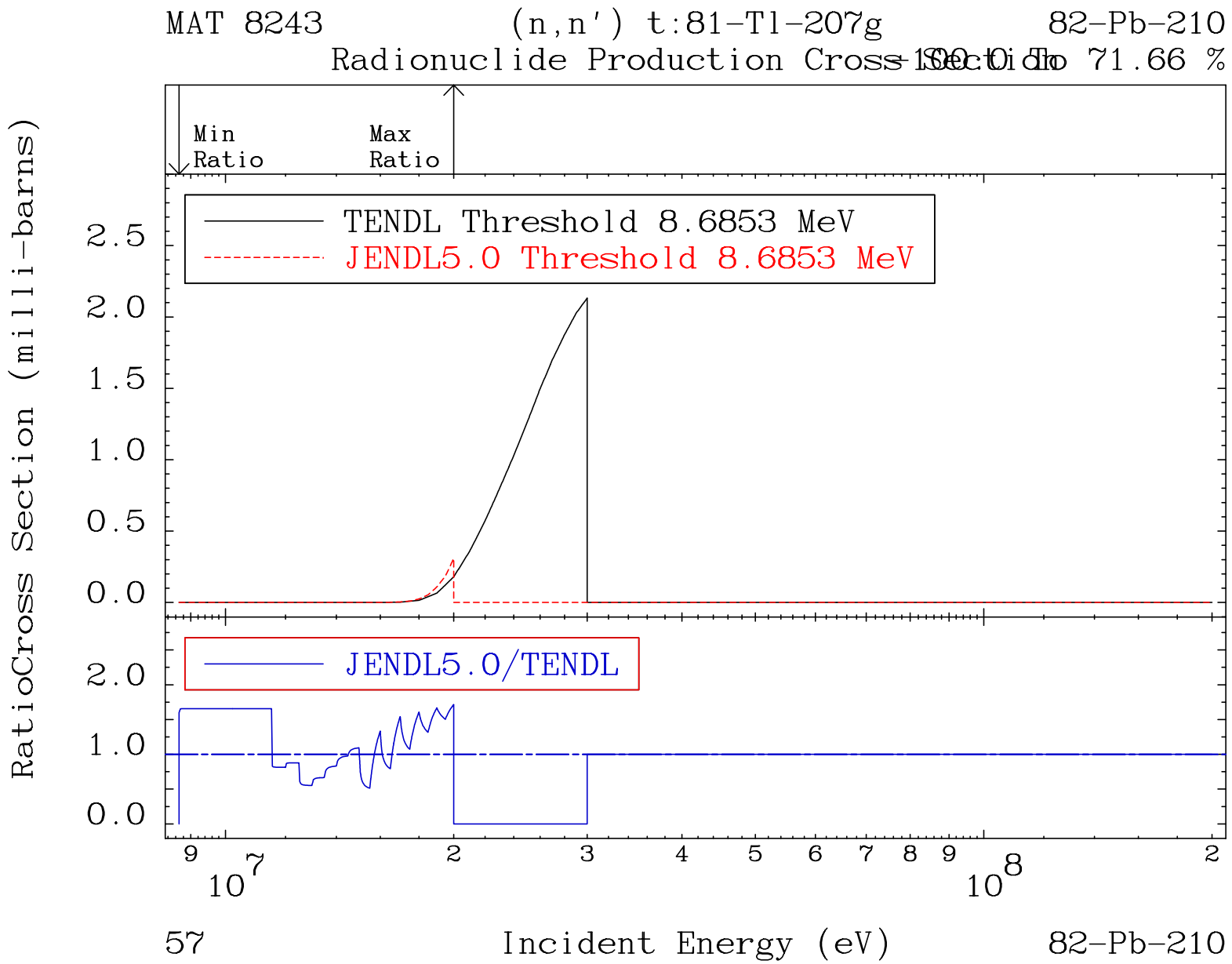

MAT 8243 Total kinematic kerma (high limit) 82-Pb-210
Cross Section -99.94 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
82-Pb-210

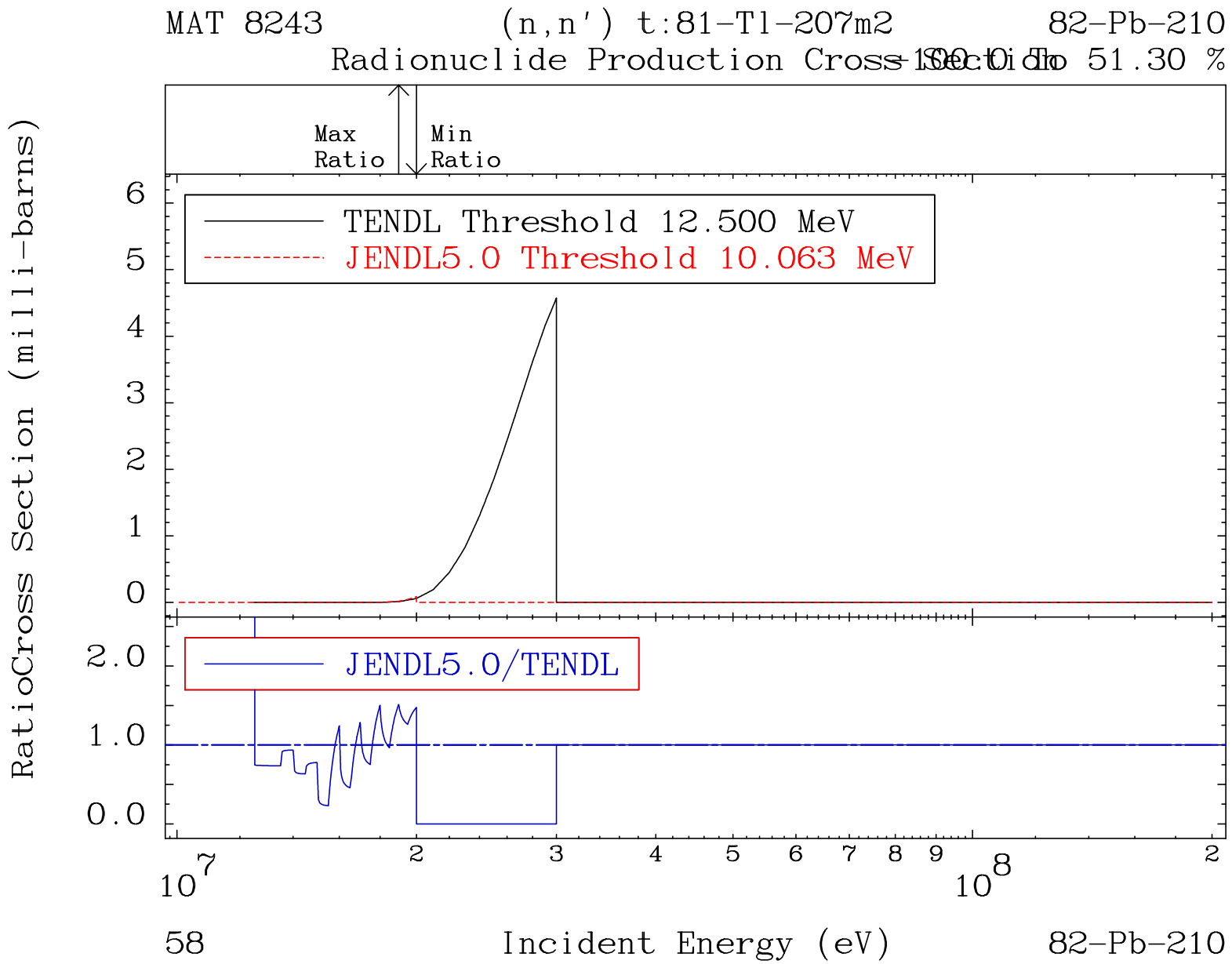

MAT 8243
Dpa total (eV-barns)
82-Pb-210
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
53
Incident Energy (eV)
82-Pb-210

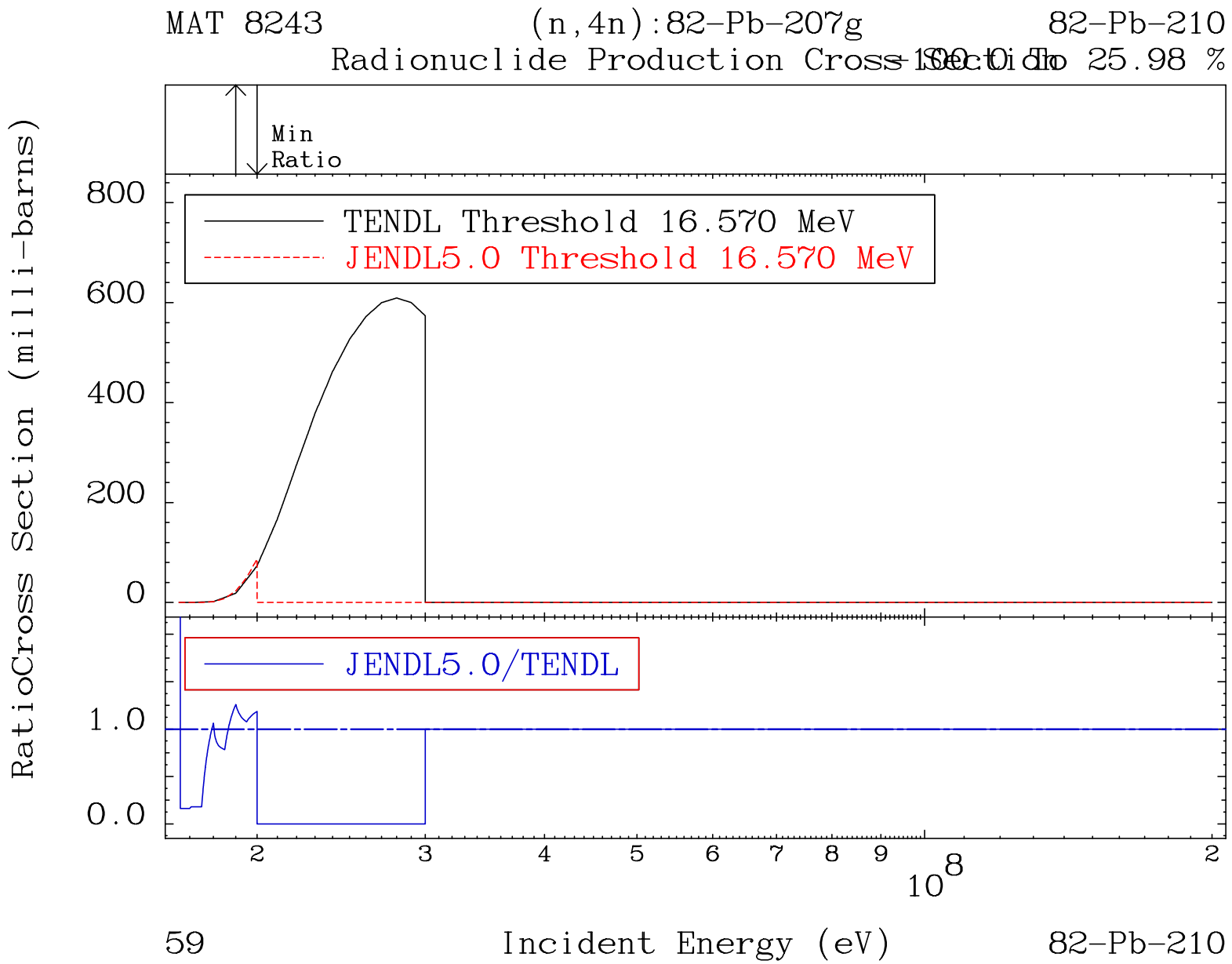

MAT 8243
Dpa elastic (mt2)
Cross Section
82-Pb-210
-96.19 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.2656 keV
JENDL5.0 Threshold 1.3125 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
82-Pb-210

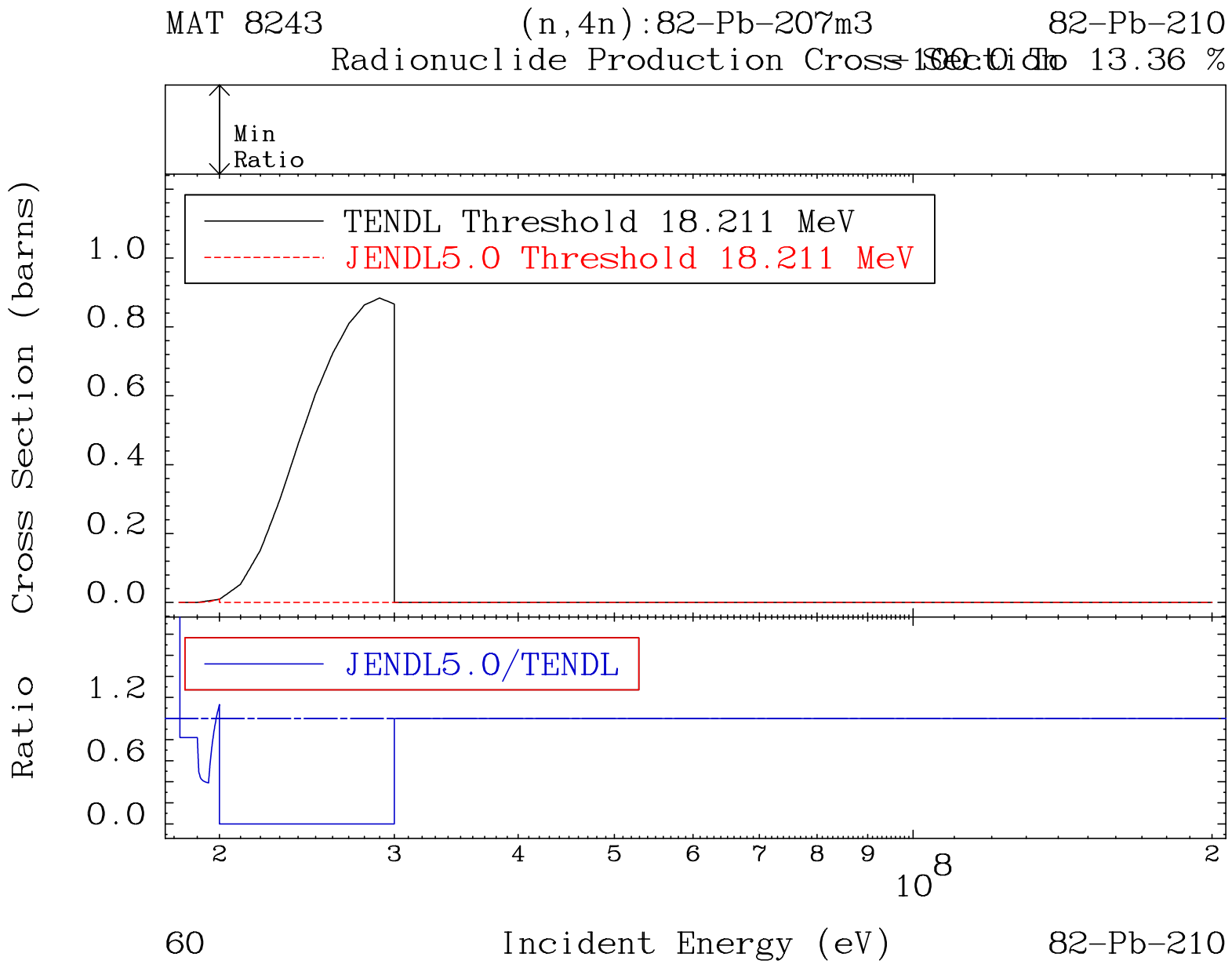

MAT 8243
Dpa inelastic (mt51-91)
82-Pb-210
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 803.54 keV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
55
82-Pb-210


MAT 8243 Dpa disappearance (mt102 -120) 82-Pb-210
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
56
82-Pb-210


MAT 8243
(n,n') t:81-Tl-207g
82-Pb-210
Radionuclide Production Cross Section To 71.66 %
Min Ratio
Max Ratio
TENDL Threshold 8.6853 MeV
JENDL5.0 Threshold 8.6853 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
57
Incident Energy (eV)
82-Pb-210


MAT 8243
(n,n') t:81-Tl-207m2
82-Pb-210
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 12.500 MeV
JENDL5.0 Threshold 10.063 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
58
82-Pb-210


MAT 8243
(n,4n):82-Pb-207g
82-Pb-210
Radionuclide Production Cross Section To 25.98 %
Min
Ratio
800
600
400
200
0
TENDL Threshold 16.570 MeV
JENDL5.0 Threshold 16.570 MeV
JENDL5.0/TENDL
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
59
Incident Energy (eV)
82-Pb-210


MAT 8243
(n,4n):82-Pb-207m3
82-Pb-210
Radionuclide Production Cross Section To 13.36 %
Min
Ratio
TENDL Threshold 18.211 MeV
JENDL5.0 Threshold 18.211 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
1.2
0.6
0.0
2
3
4
5
6
7
8
9
2
10^8
60
Incident Energy (eV)
82-Pb-210