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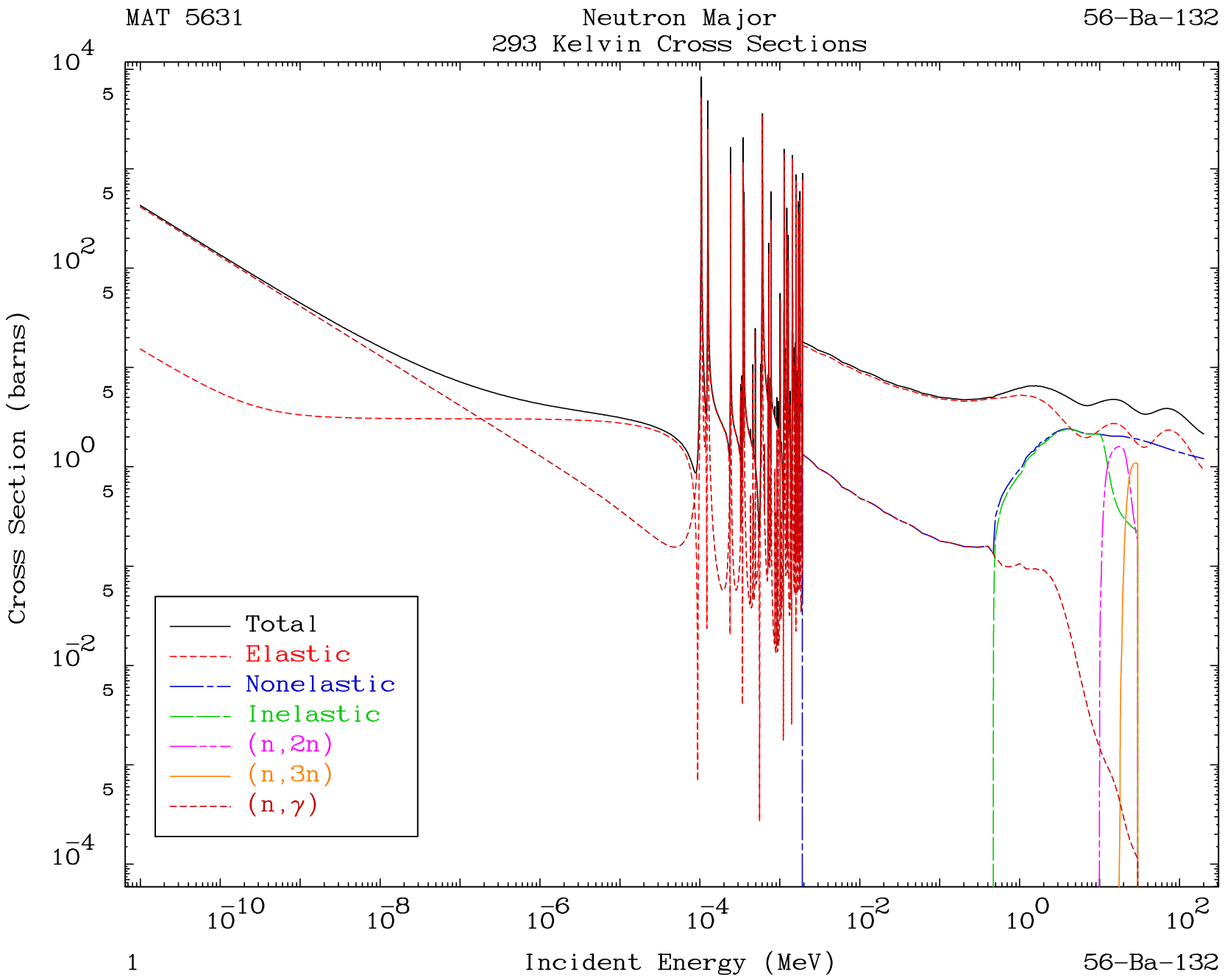
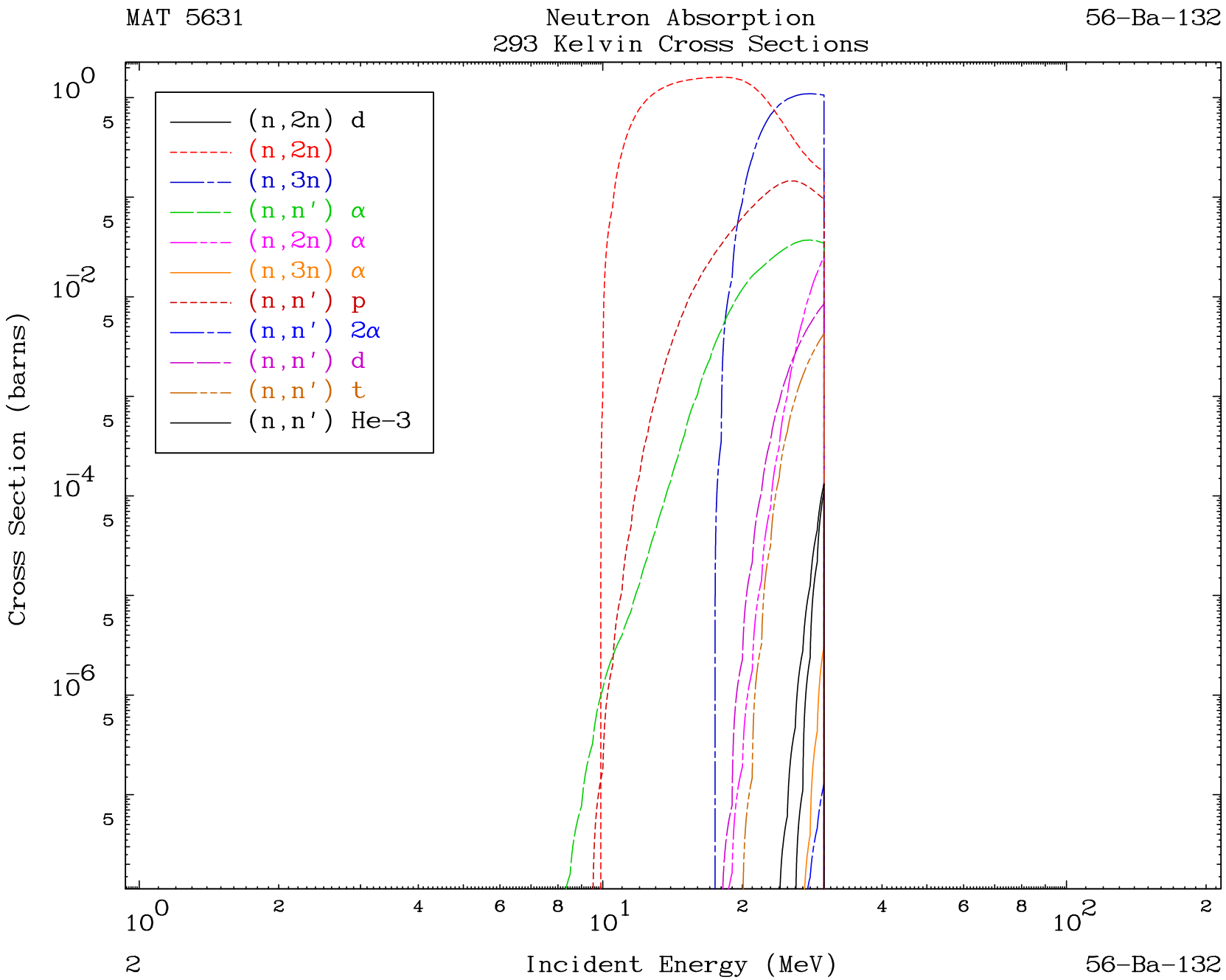
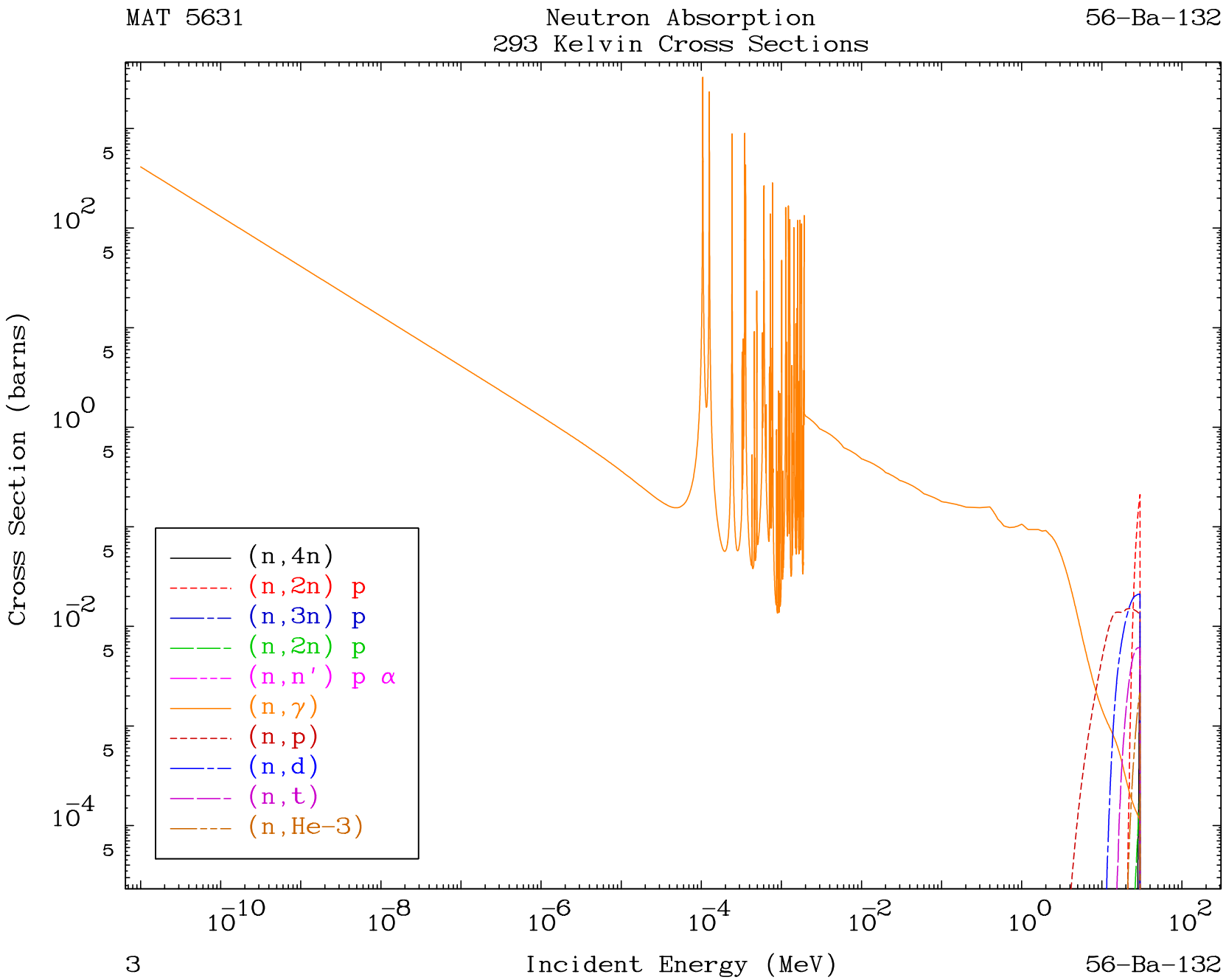
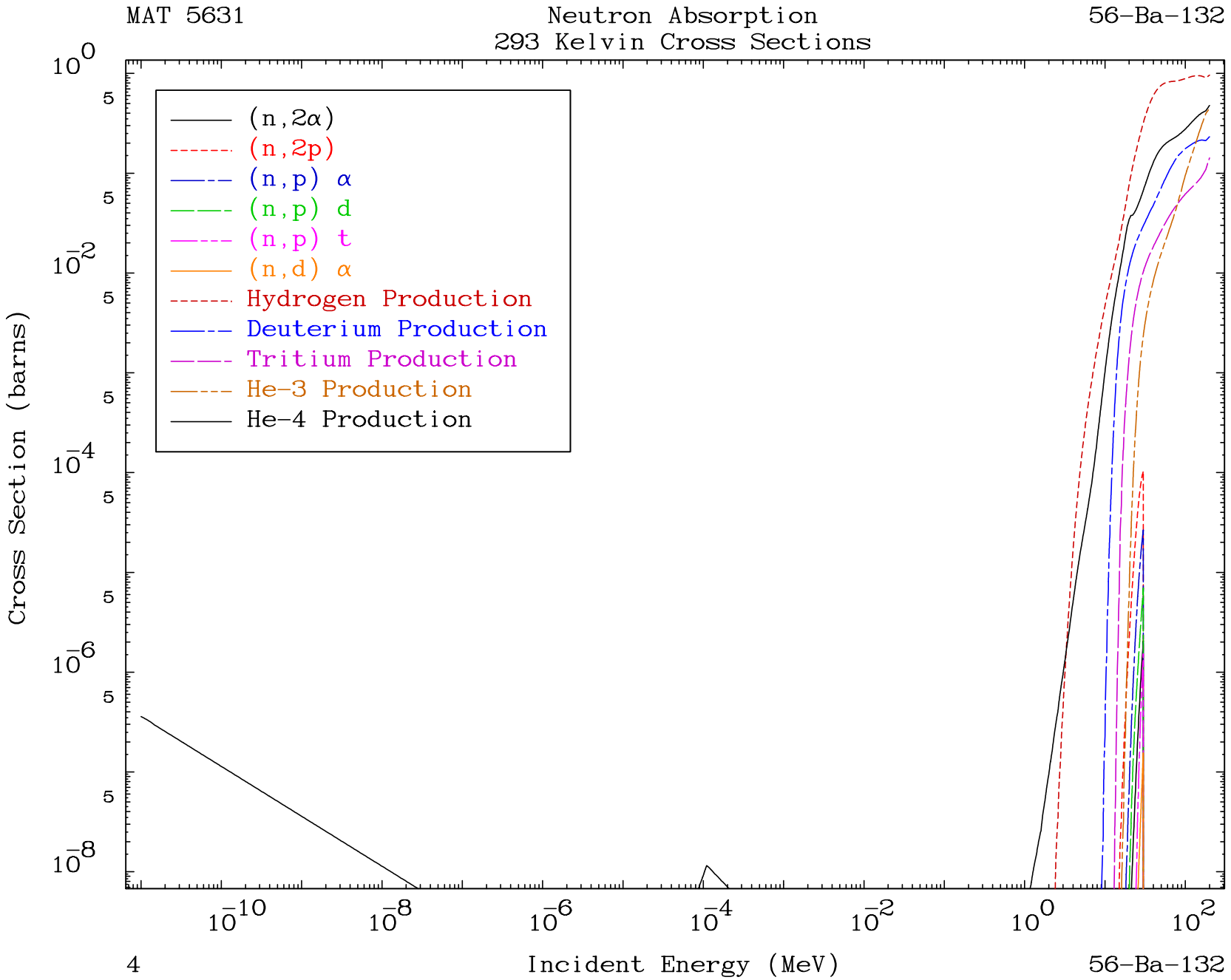
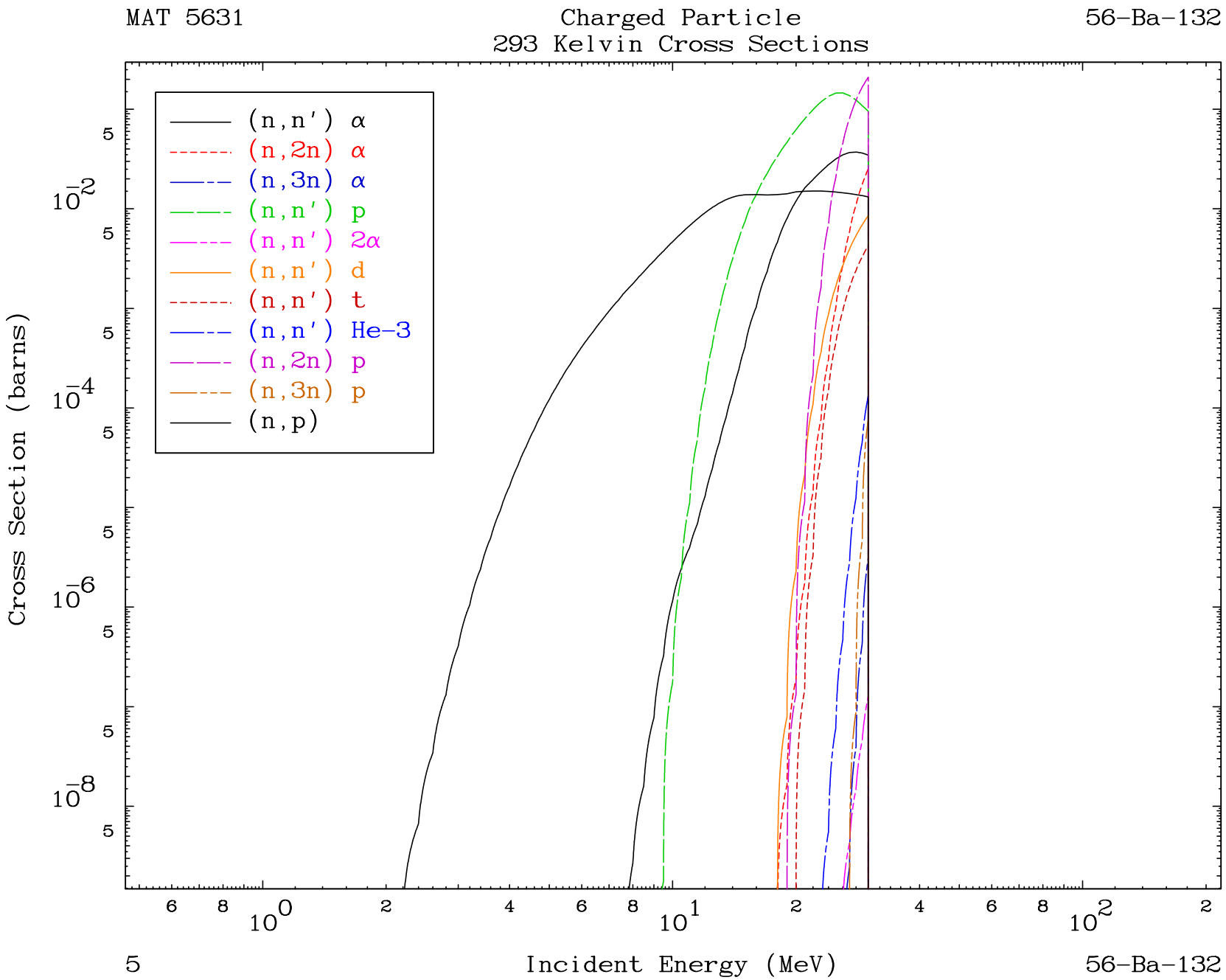
Press Mouse Button to Start

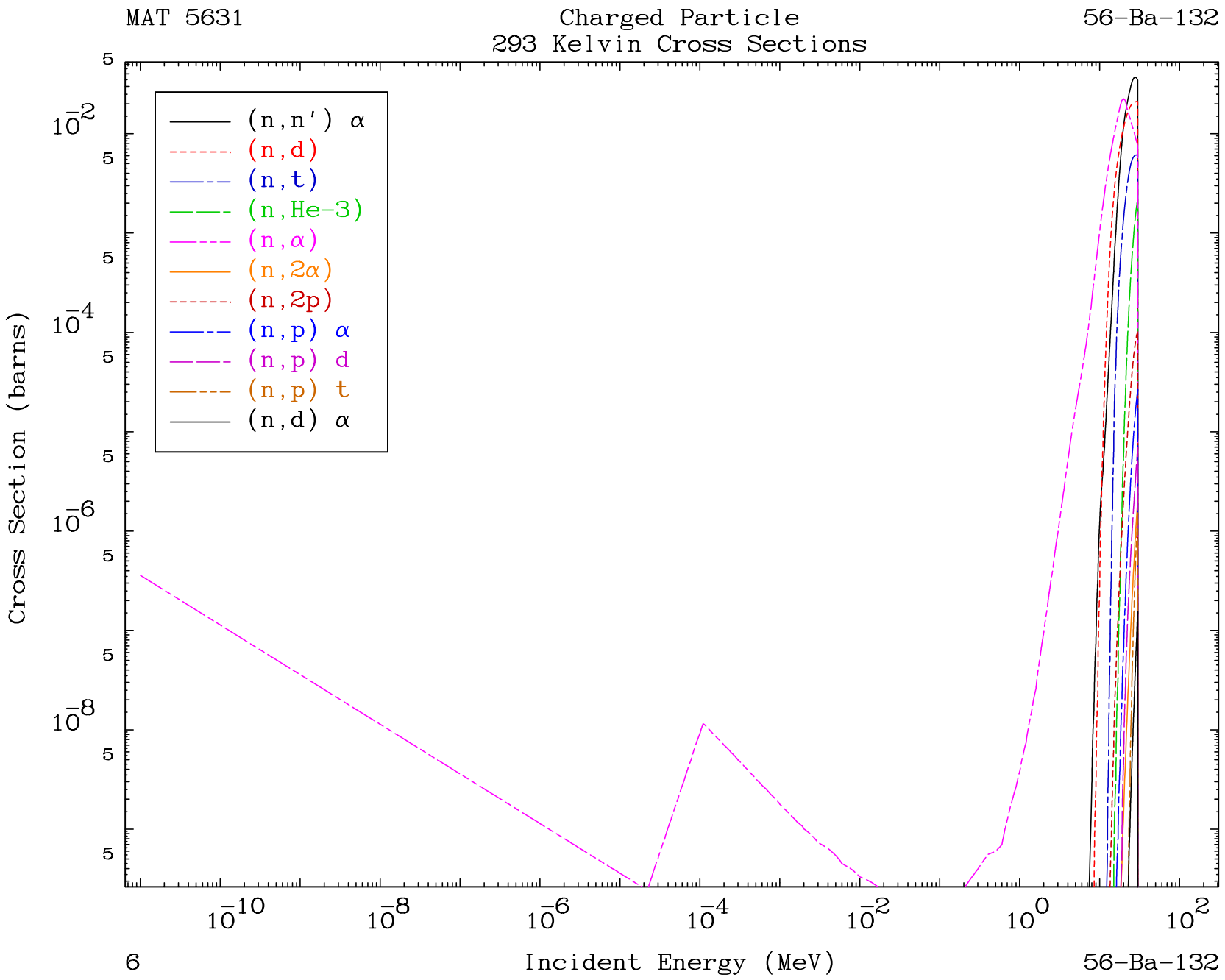

MAT 5631
Neutron Major
293 Kelvin Cross Sections
56-Ba-132
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
56-Ba-132

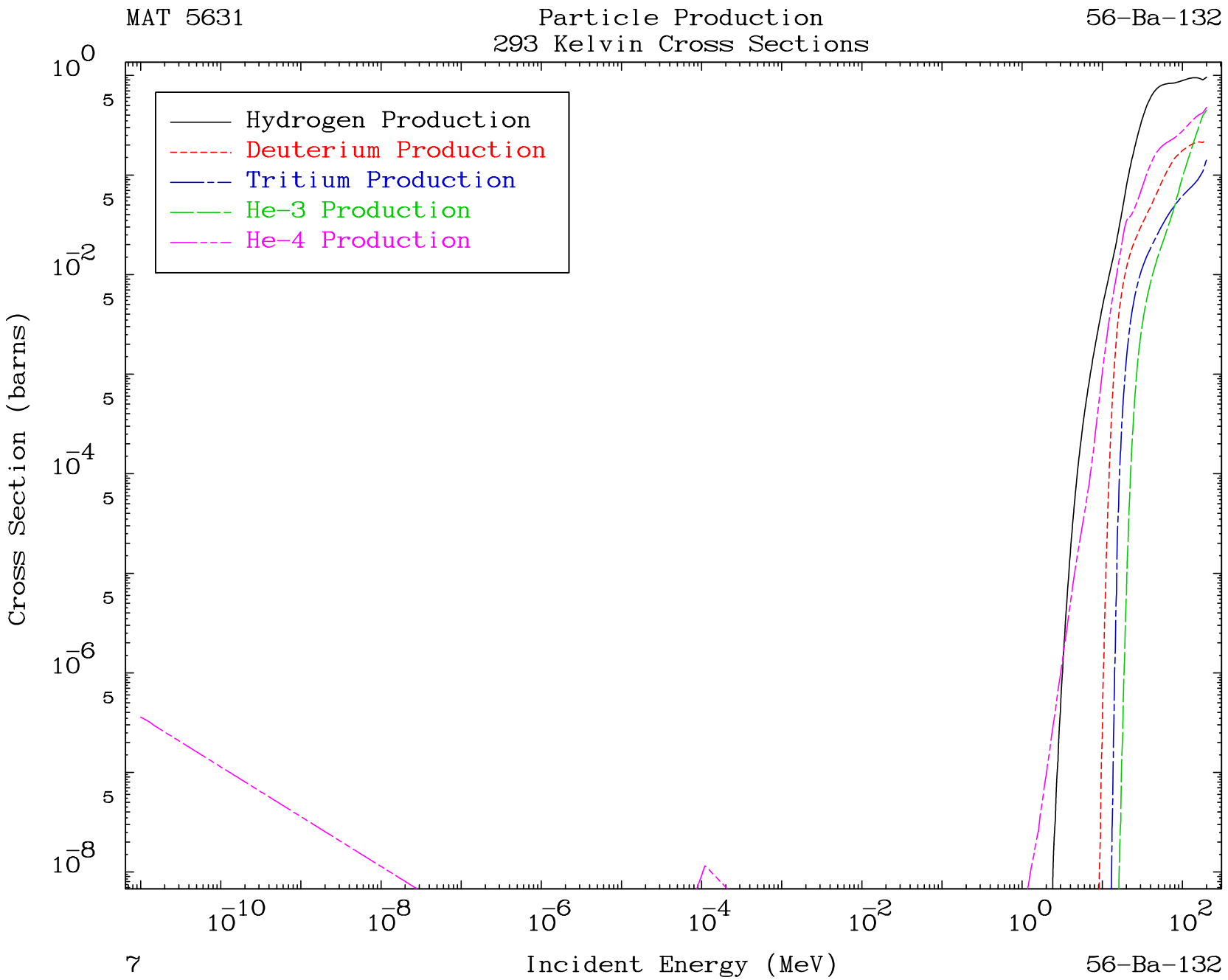

MAT 5631
Neutron Absorption
293 Kelvin Cross Sections
56-Ba-132
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
56-Ba-132

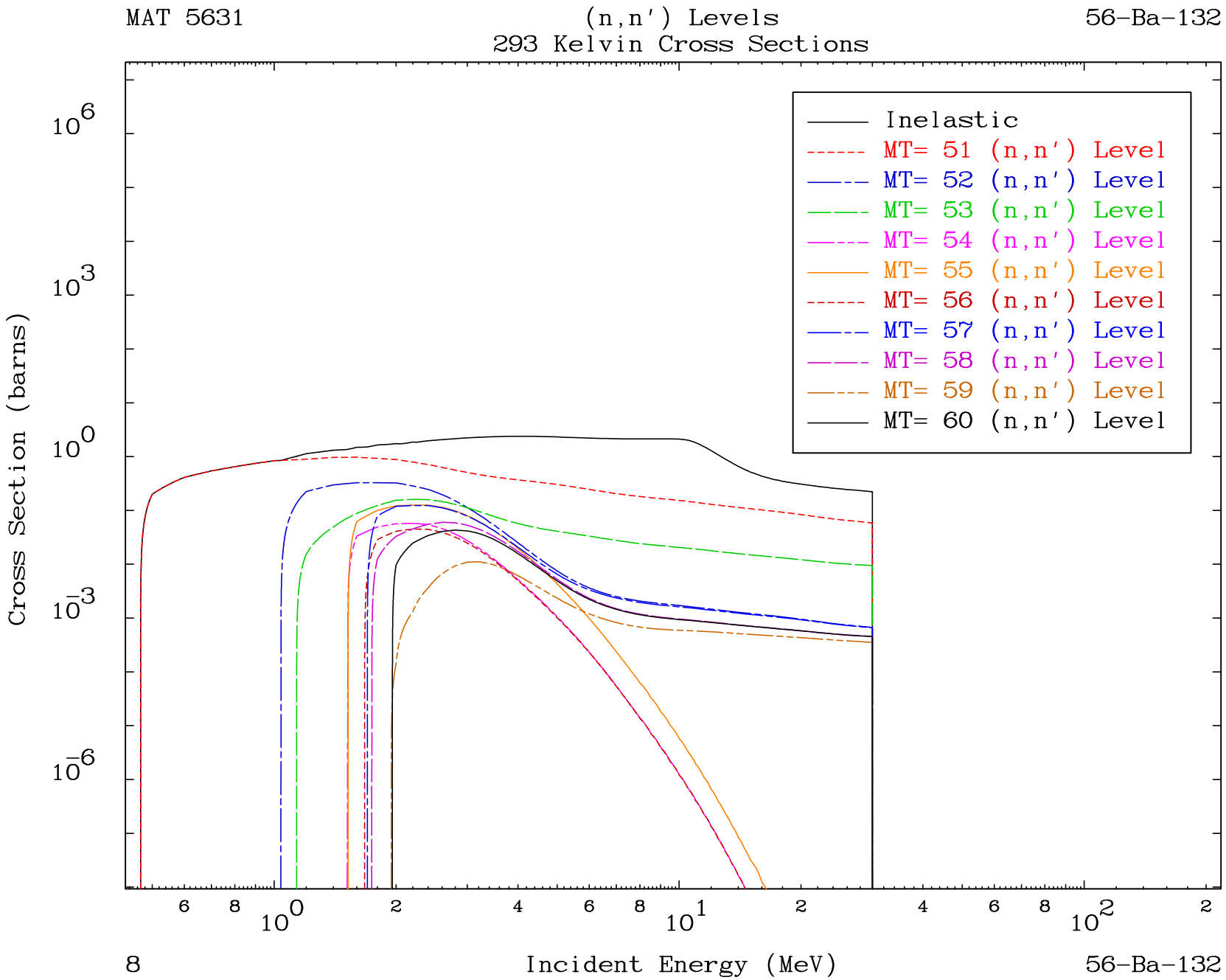

MAT 5631
Neutron Absorption
293 Kelvin Cross Sections
56-Ba-132
Cross Section (barns)
Incident Energy (MeV)
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
3
56-Ba-132

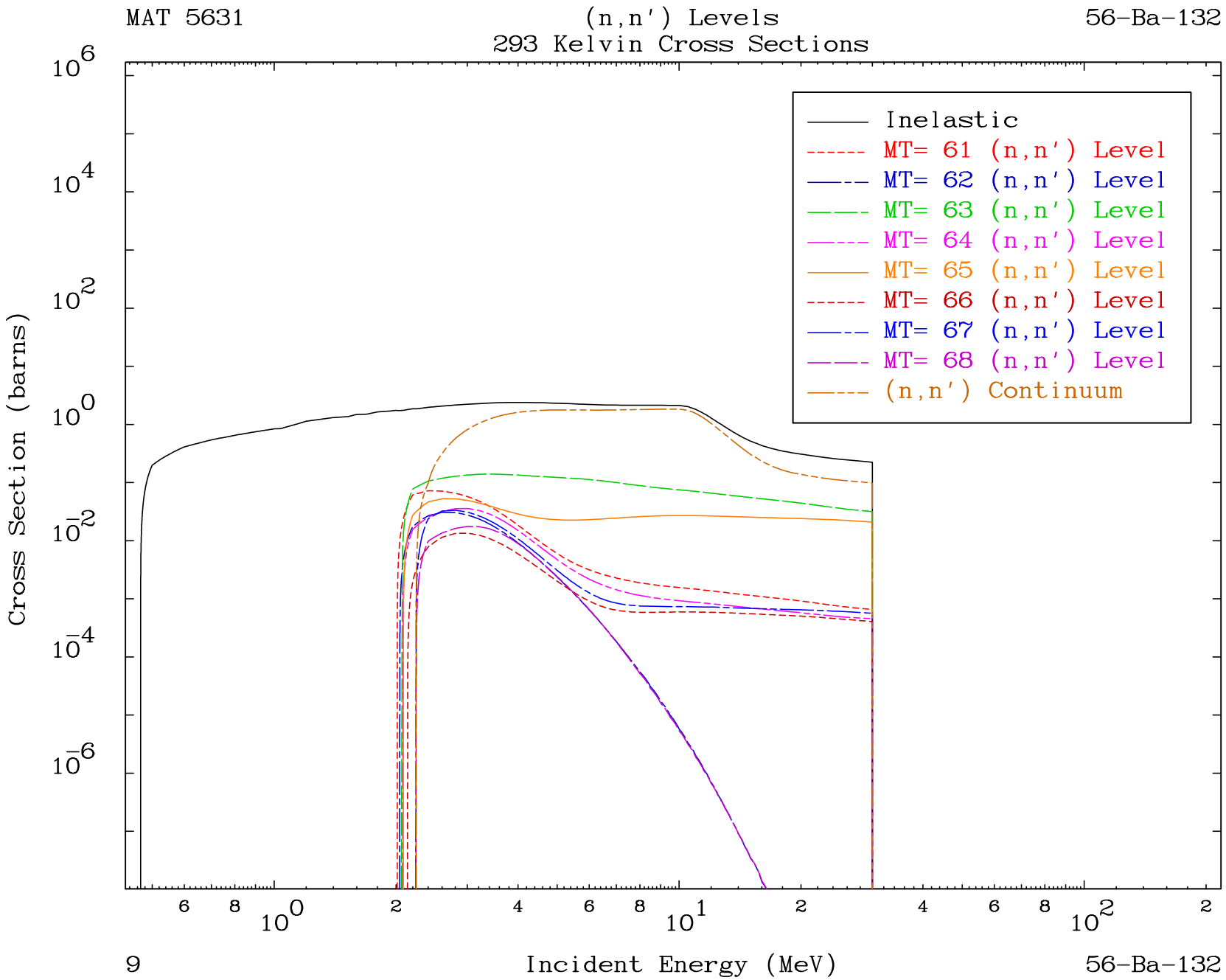

MAT 5631
Neutron Absorption
293 Kelvin Cross Sections
56-Ba-132
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
4
56-Ba-132

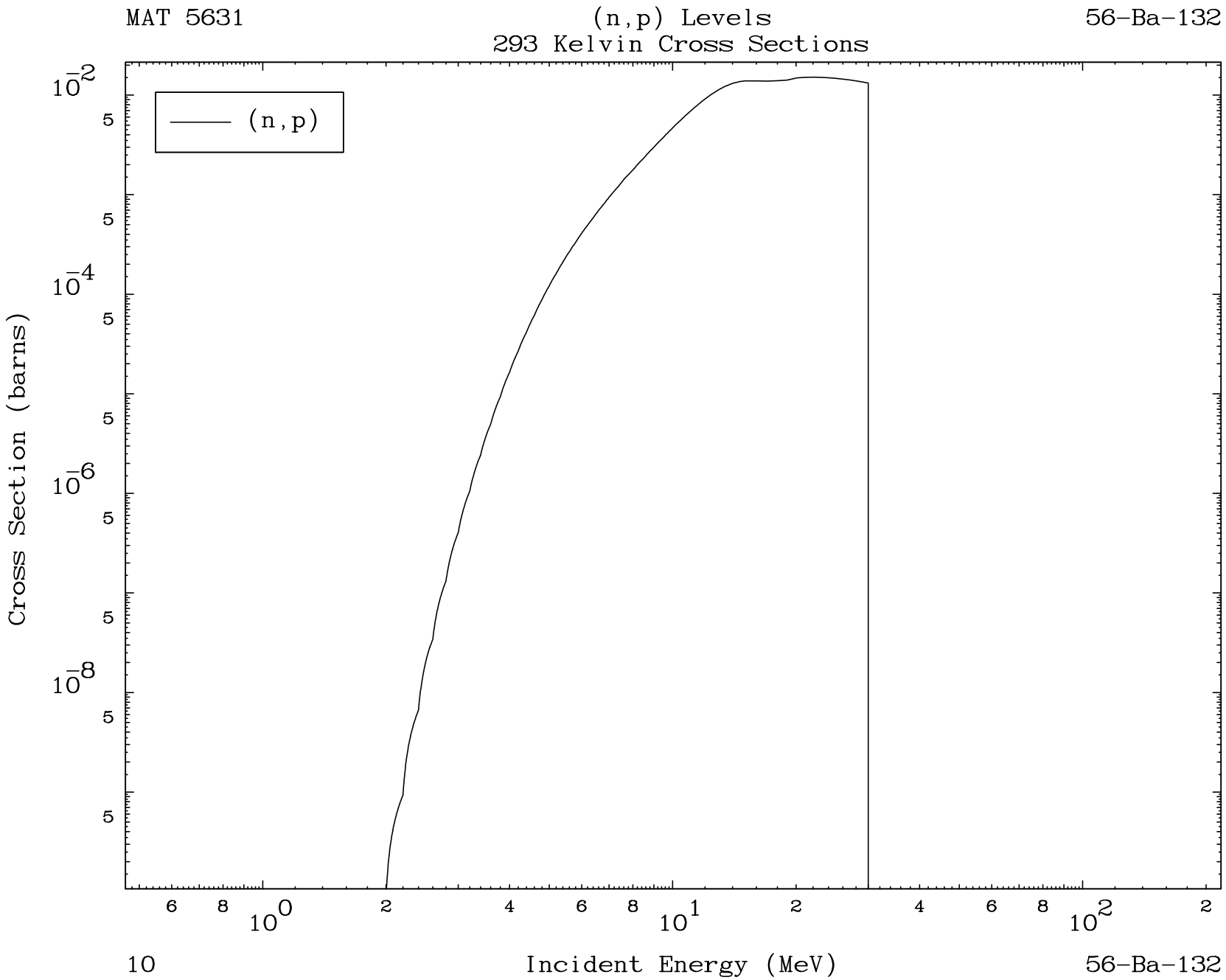

MAT 5631
Charged Particle
293 Kelvin Cross Sections
56-Ba-132
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
56-Ba-132

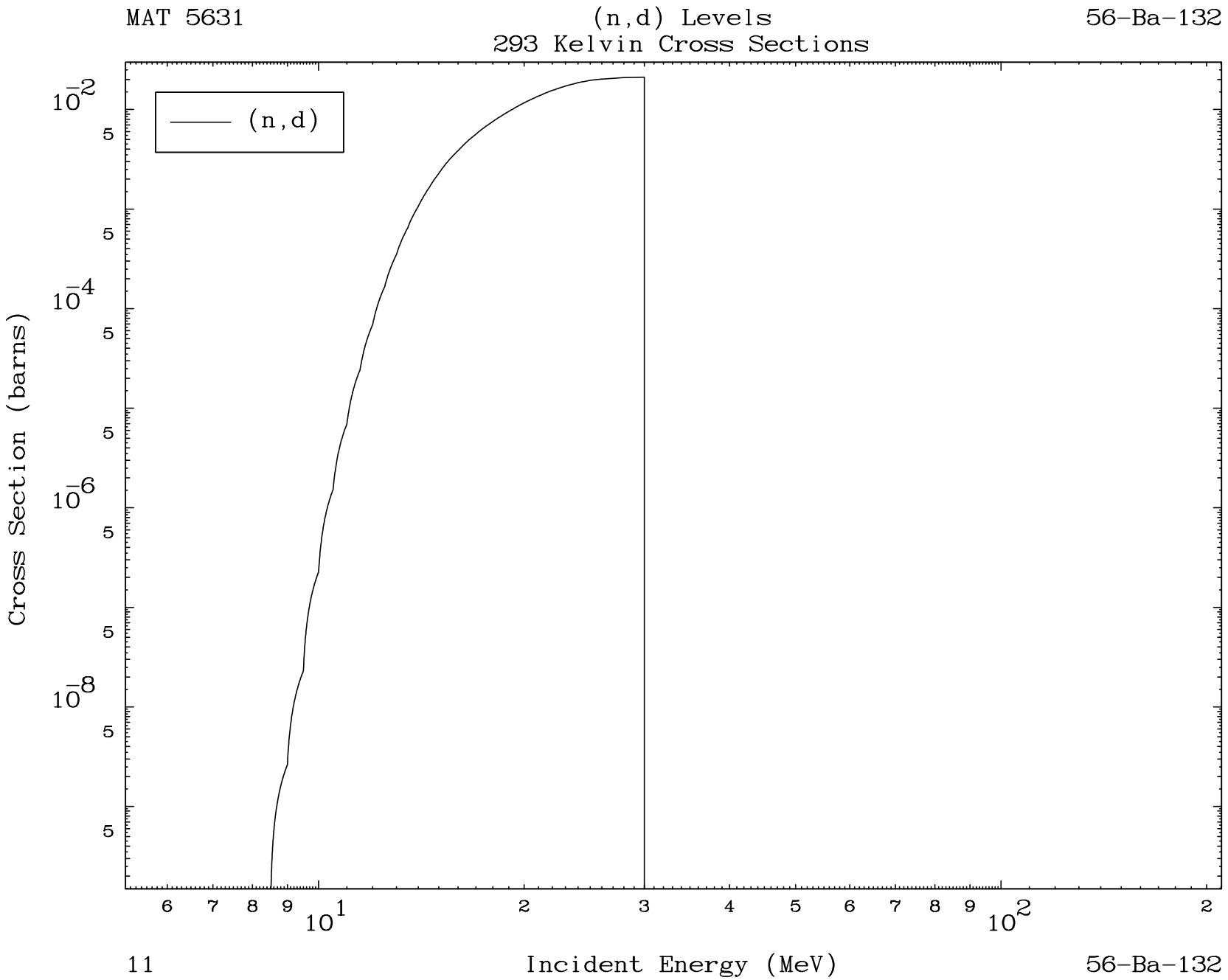

MAT 5631
Charged Particle
56-Ba-132
293 Kelvin Cross Sections
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
56-Ba-132

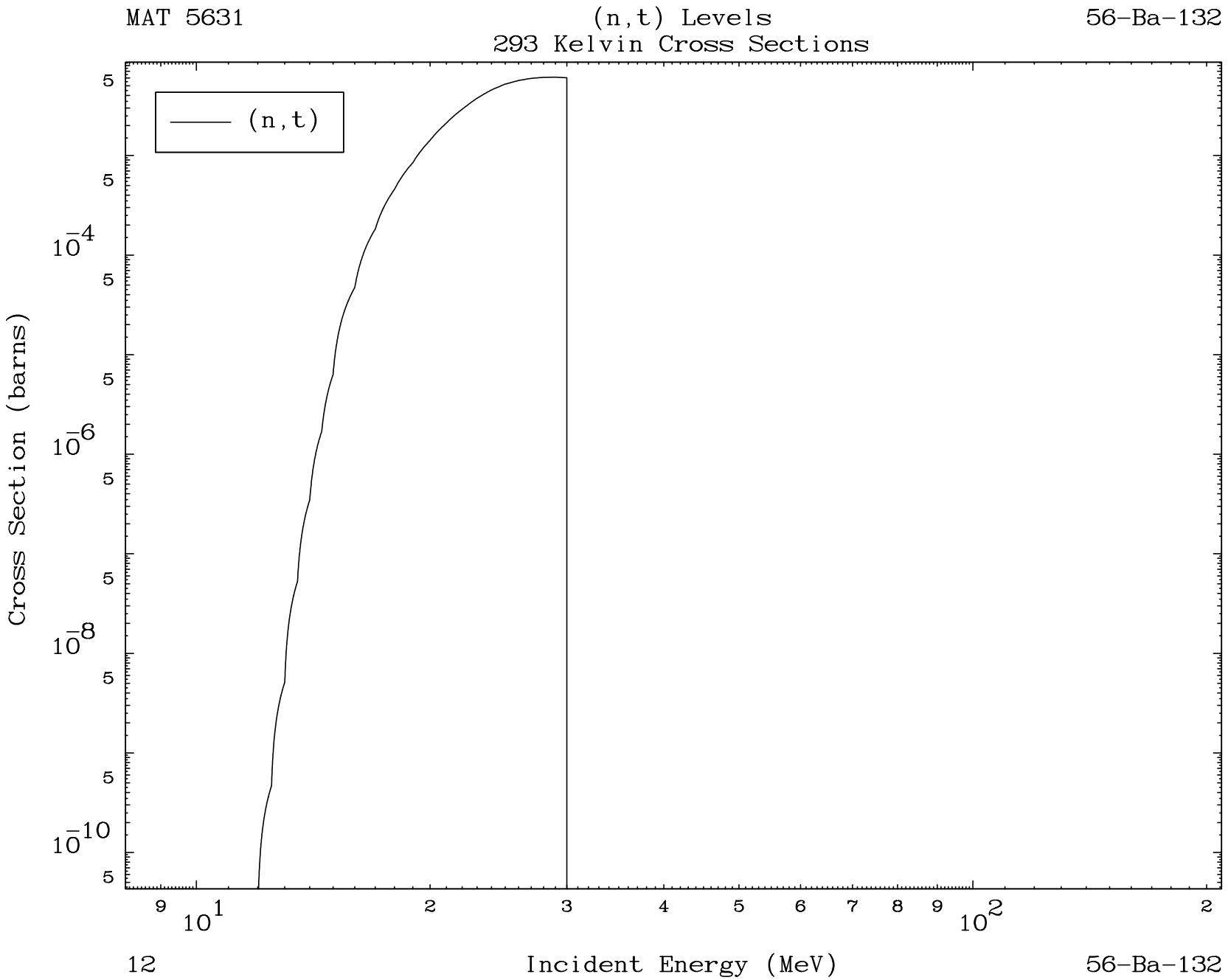

MAT 5631
Particle Production
293 Kelvin Cross Sections
56-Ba-132
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
7
56-Ba-132


MAT 5631
(n,n') Levels
293 Kelvin Cross Sections
56-Ba-132
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
MT= 60 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
8
56-Ba-132

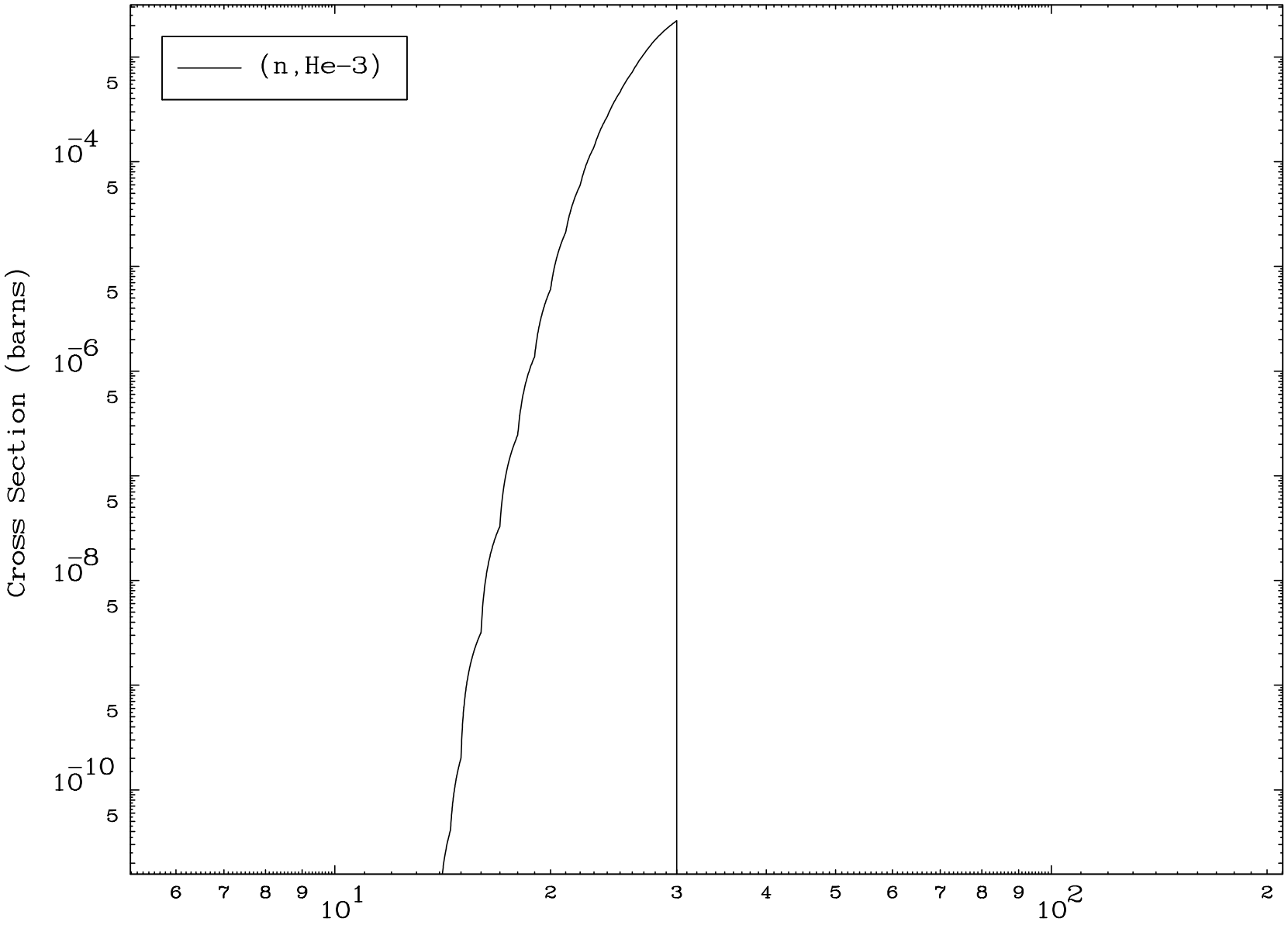

MAT 5631
(n,n') Levels
293 Kelvin Cross Sections
56-Ba-132
Cross Section (barns)
Incident Energy (MeV)
Inelastic
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
(n,n') Continuum
9
56-Ba-132

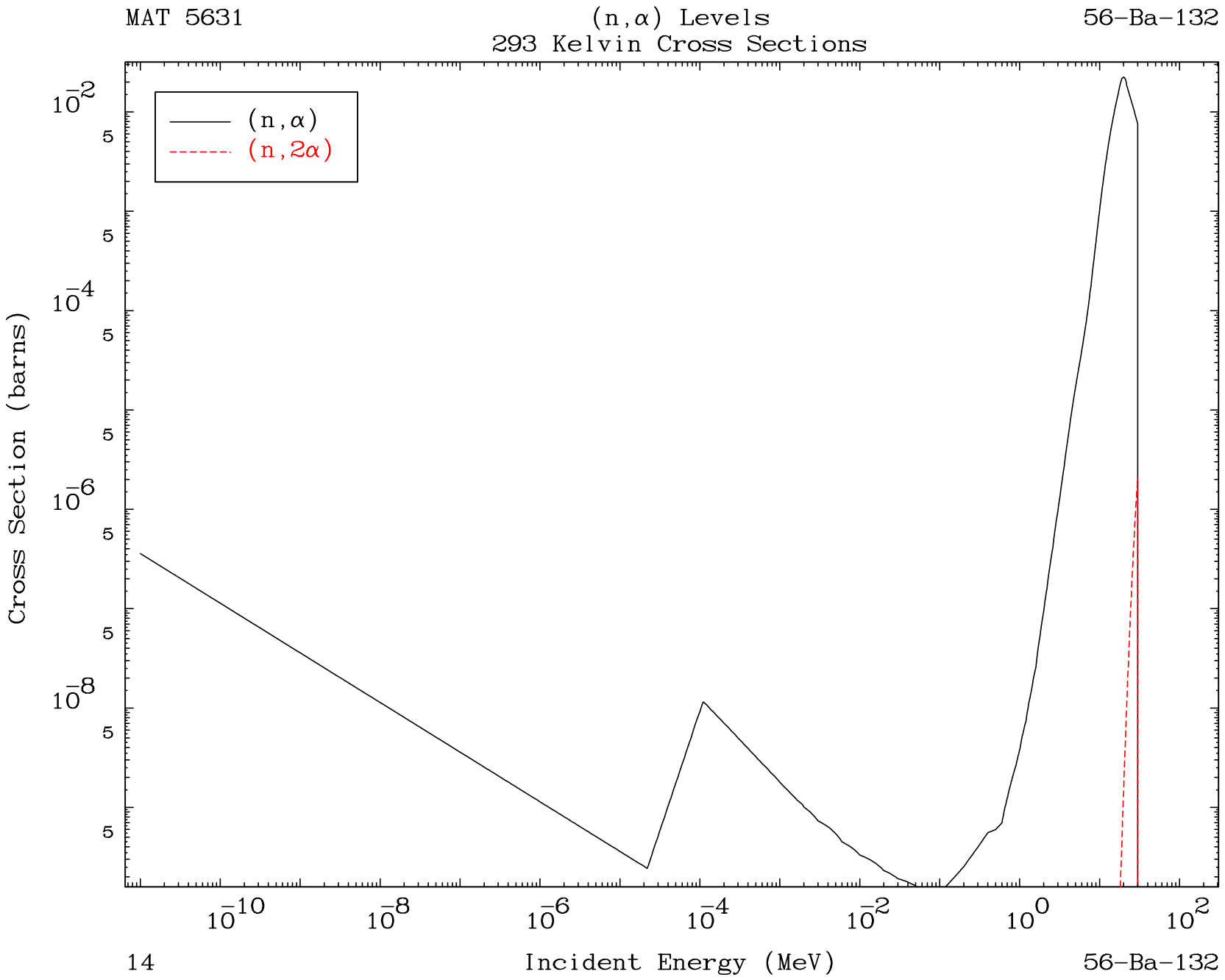

MAT 5631
(n,p) Levels
56-Ba-132
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
56-Ba-132

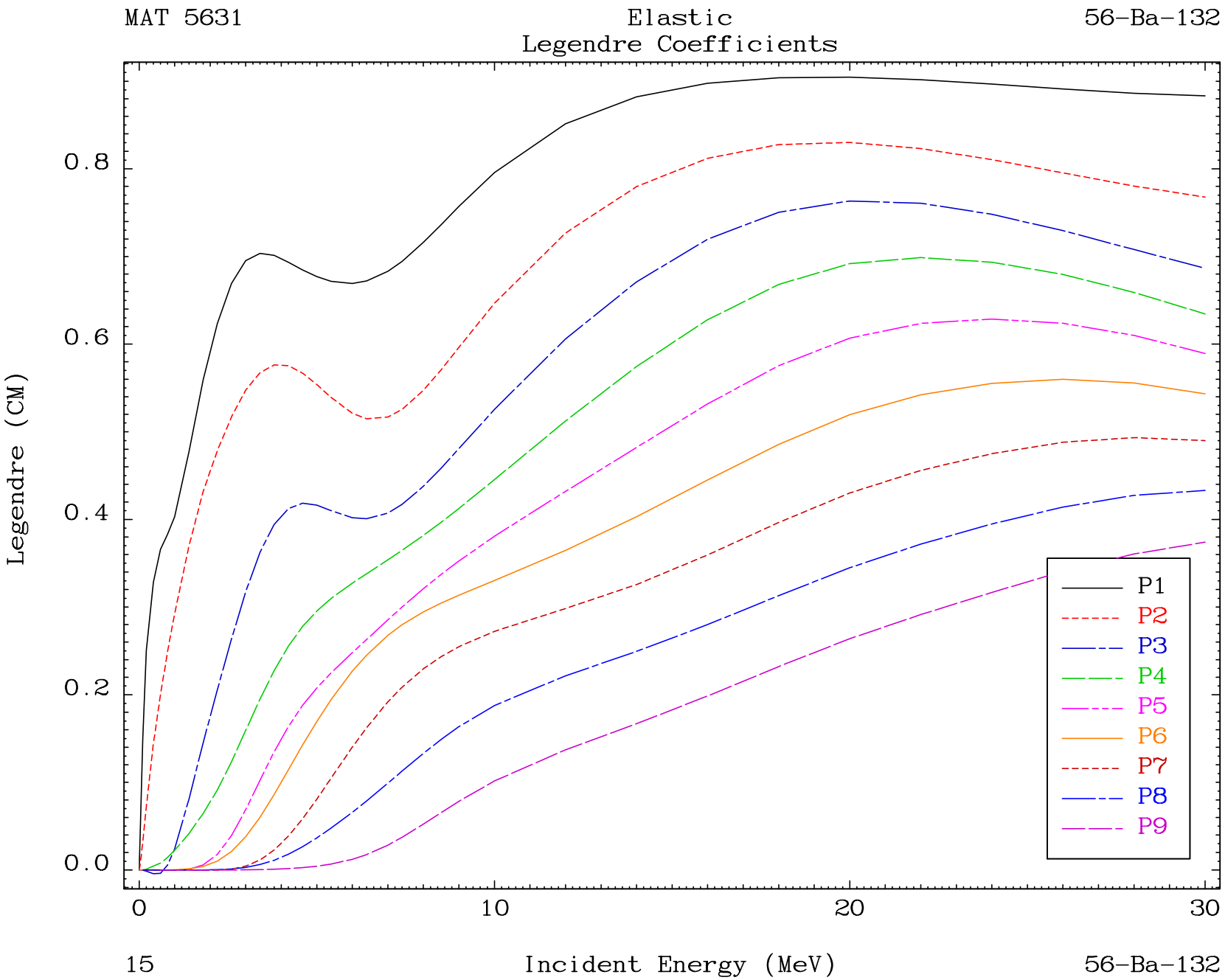

MAT 5631
(n,d) Levels
56-Ba-132
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
11
56-Ba-132

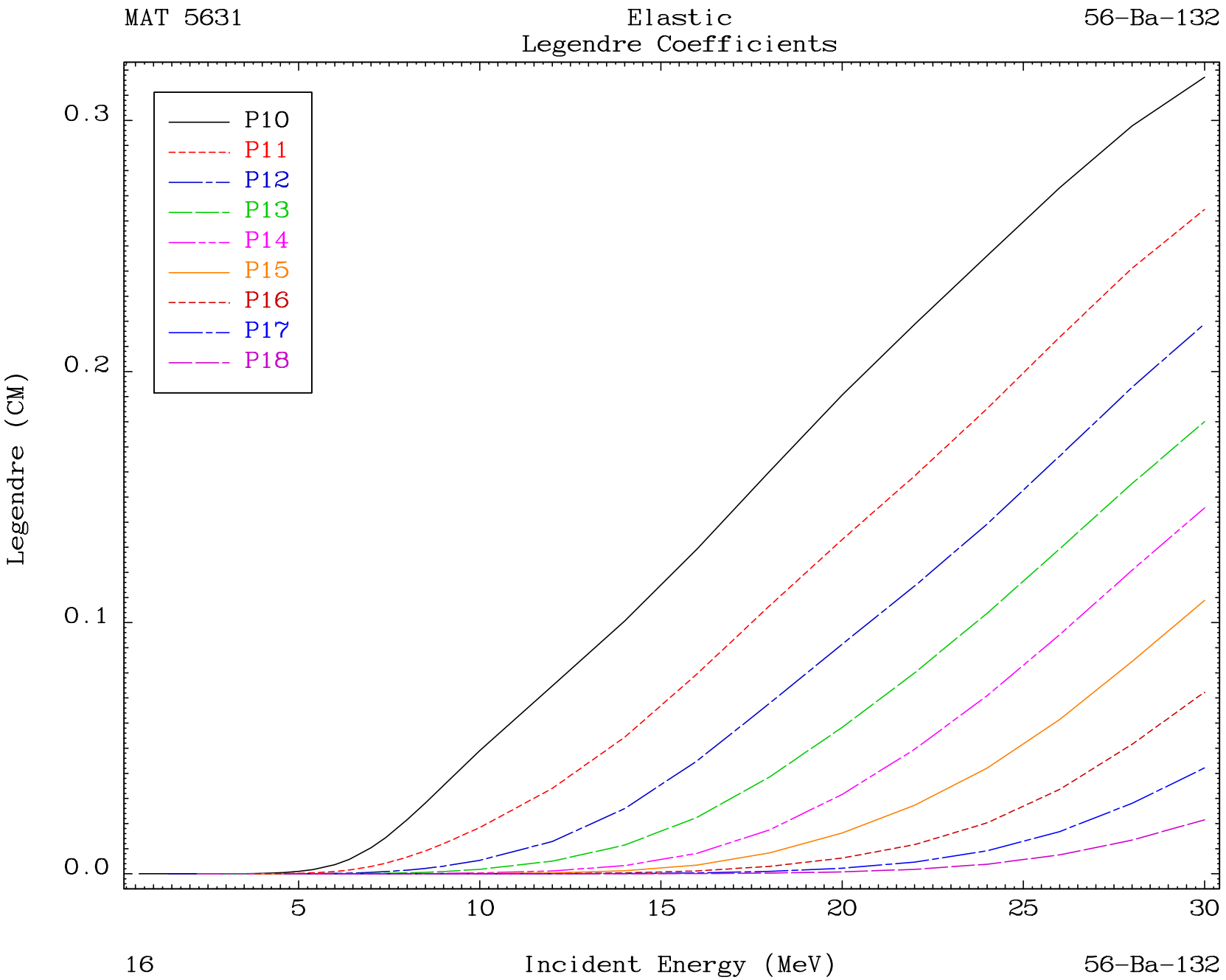

MAT 5631
(n,t) Levels
56-Ba-132
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
12
56-Ba-132

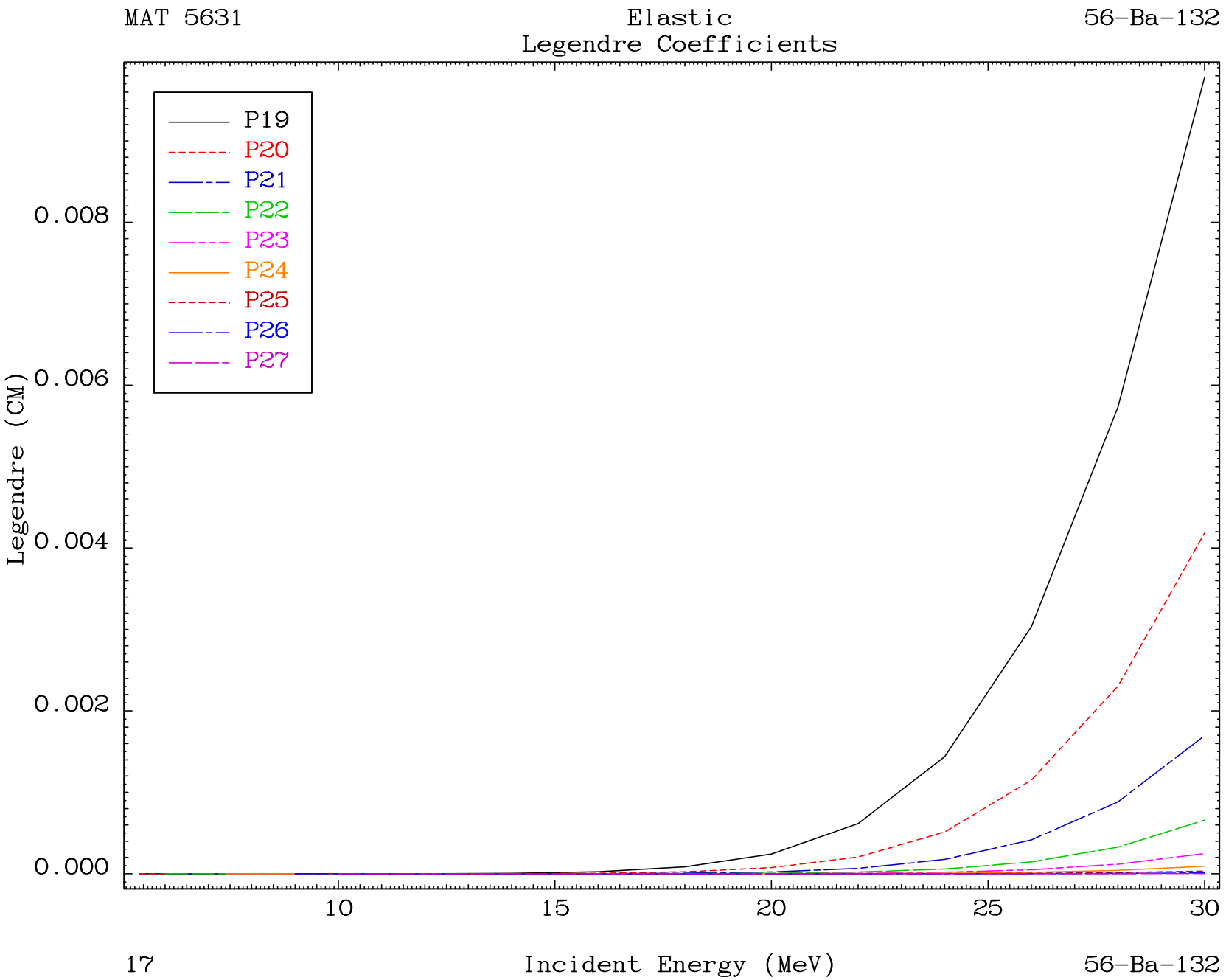
293 Kelvin Cross Sections

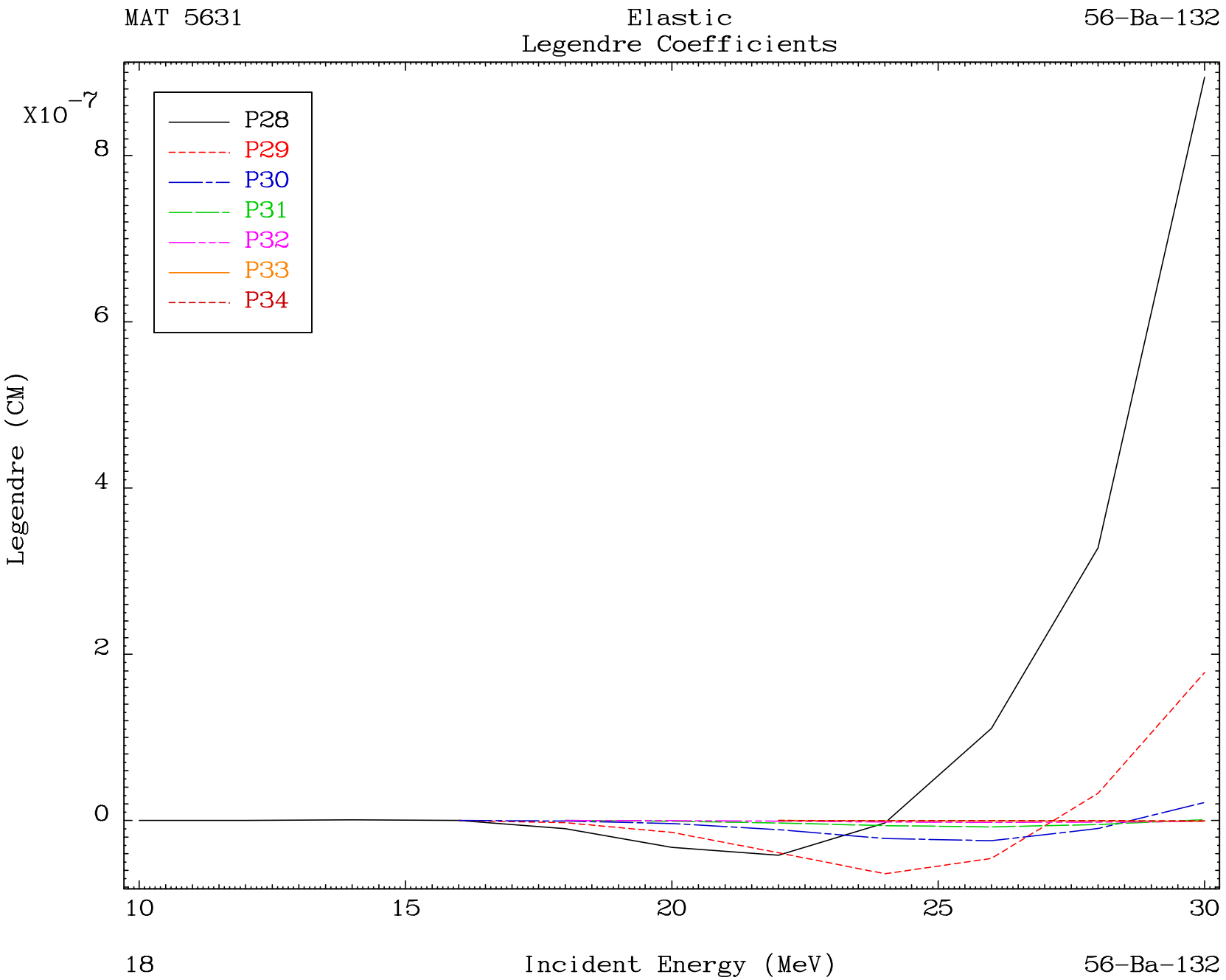


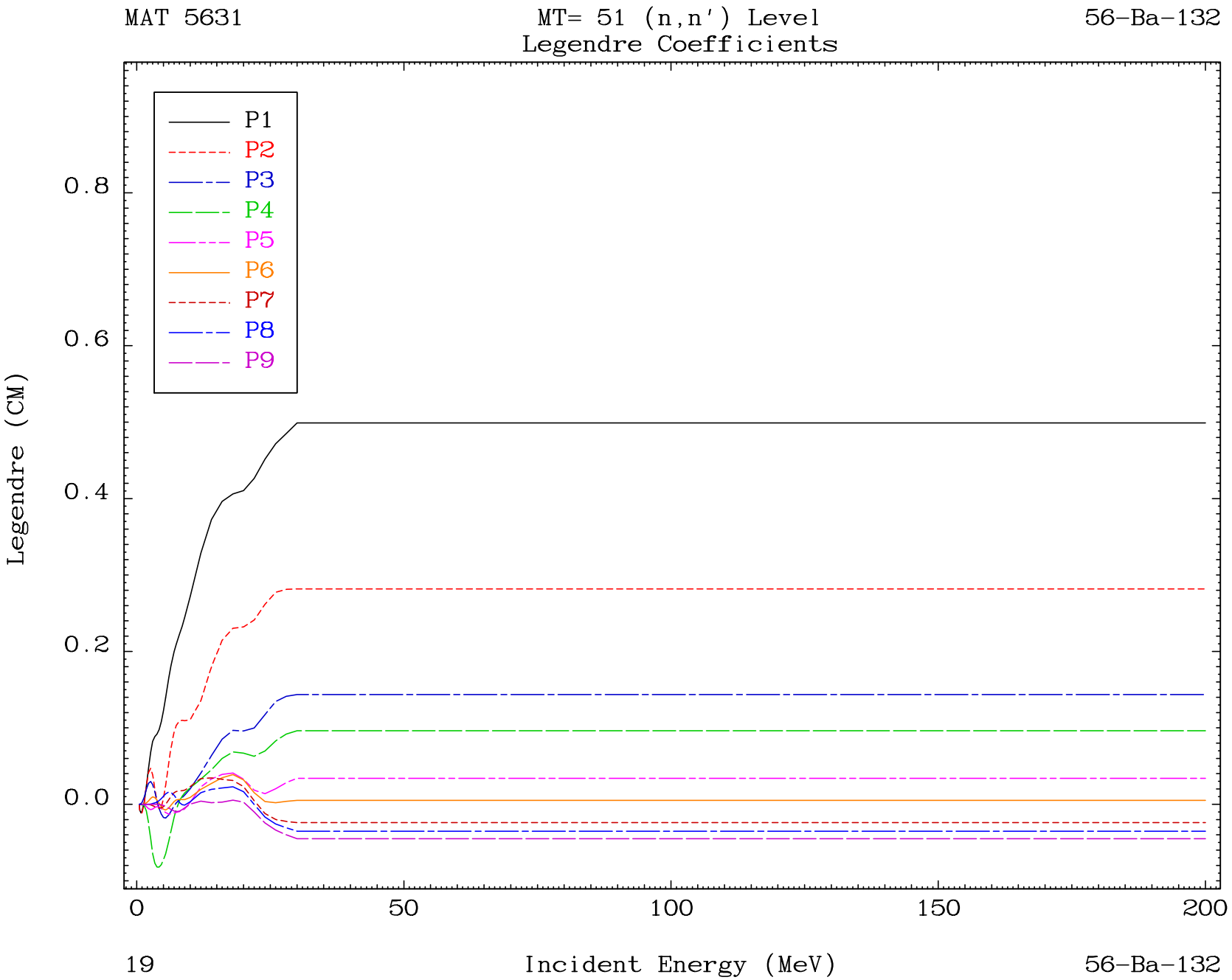

MAT 5631
(n,α) Levels
56-Ba-132
293 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
100
102
Incident Energy (MeV)
14
56-Ba-132

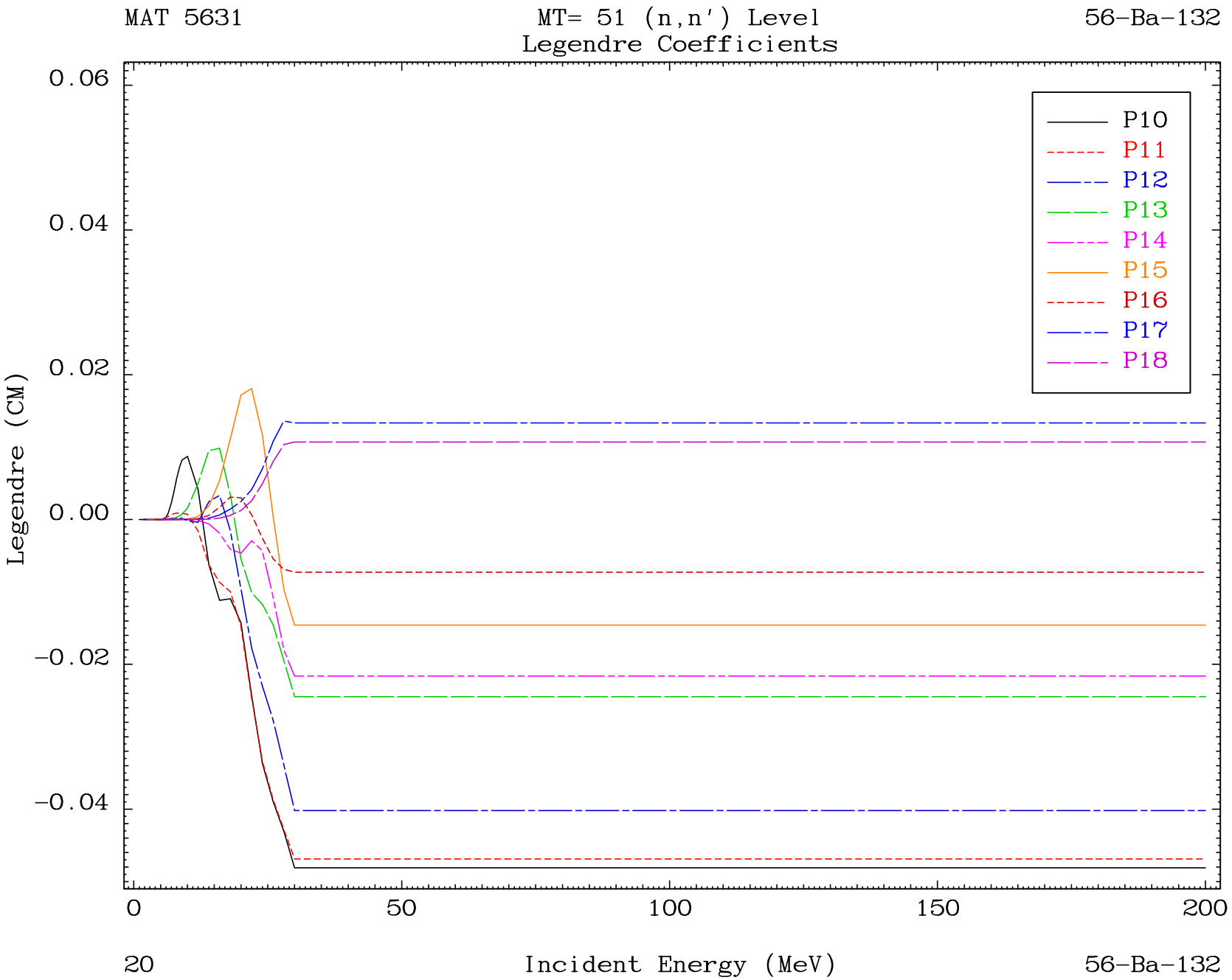

MAT 5631
Elastic
Legendre Coefficients
56-Ba-132
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
15
Incident Energy (MeV)
56-Ba-132
P1
P2
P3
P4
P5
P6
P7
P8
P9

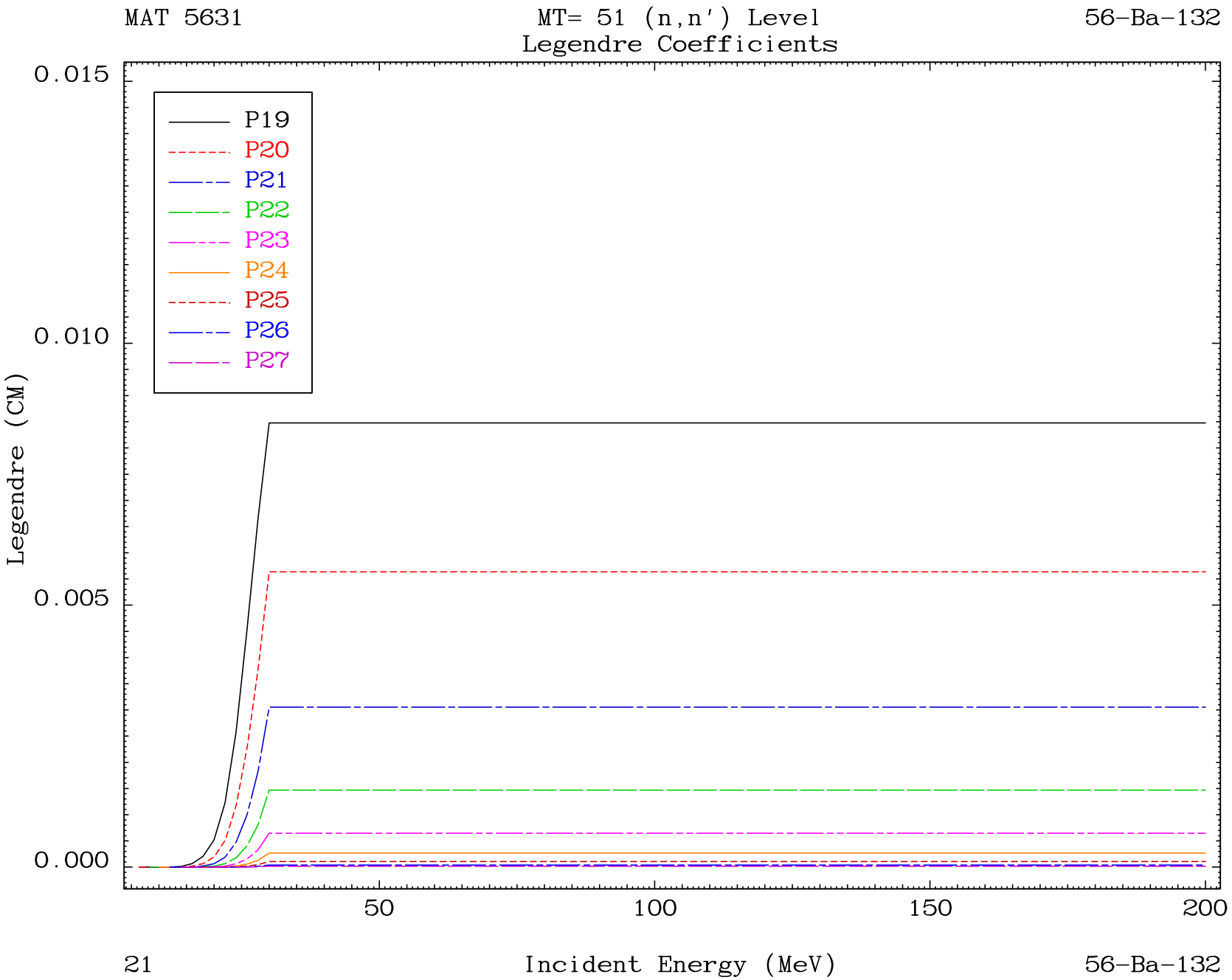

MAT 5631
Elastic
Legendre Coefficients
56-Ba-132
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.0
0.1
0.2
0.3
5
10
15
20
25
30
16
Incident Energy (MeV)
56-Ba-132

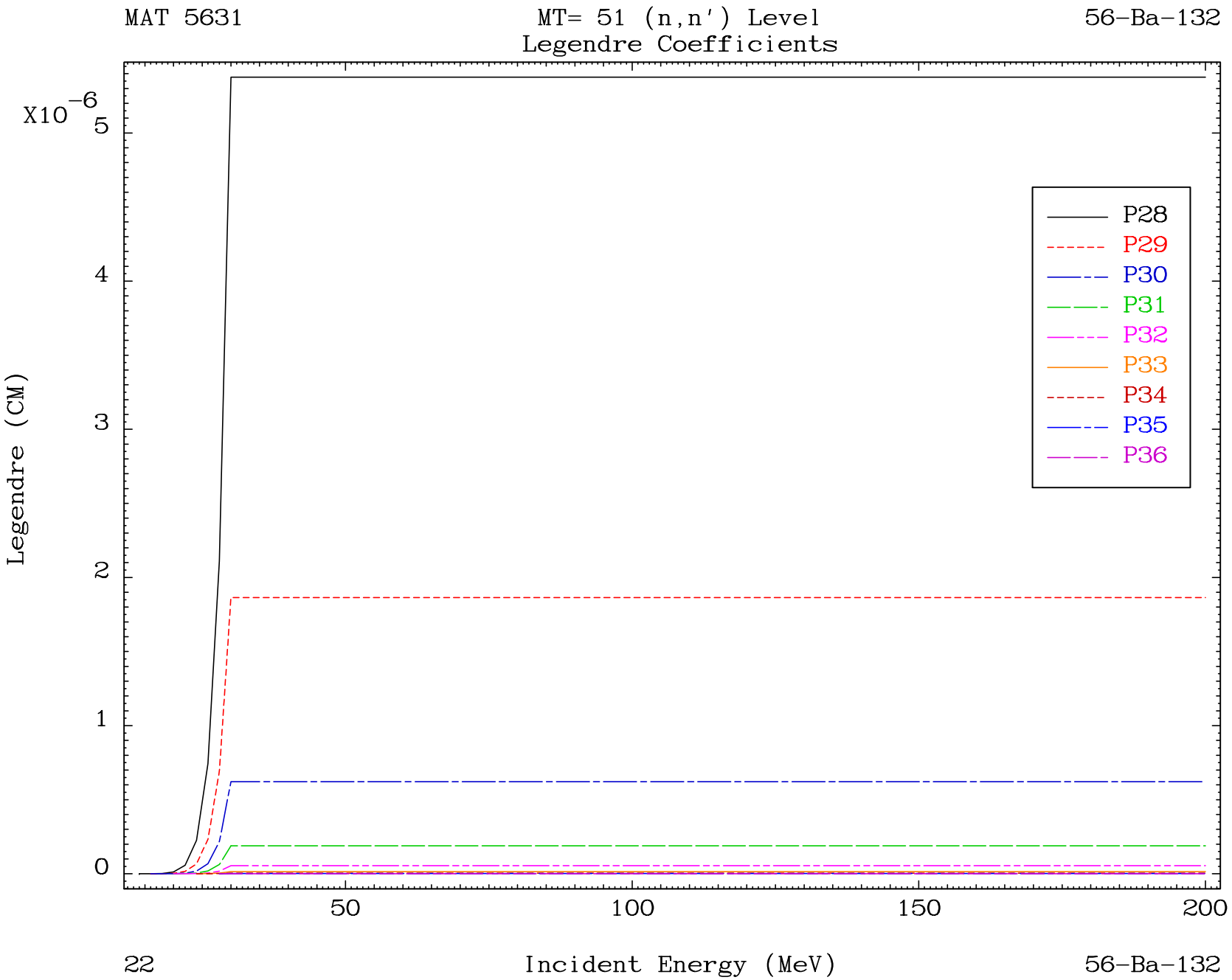

MAT 5631
Elastic
Legendre Coefficients
56-Ba-132
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
10
15
20
25
30
17
Incident Energy (MeV)
56-Ba-132

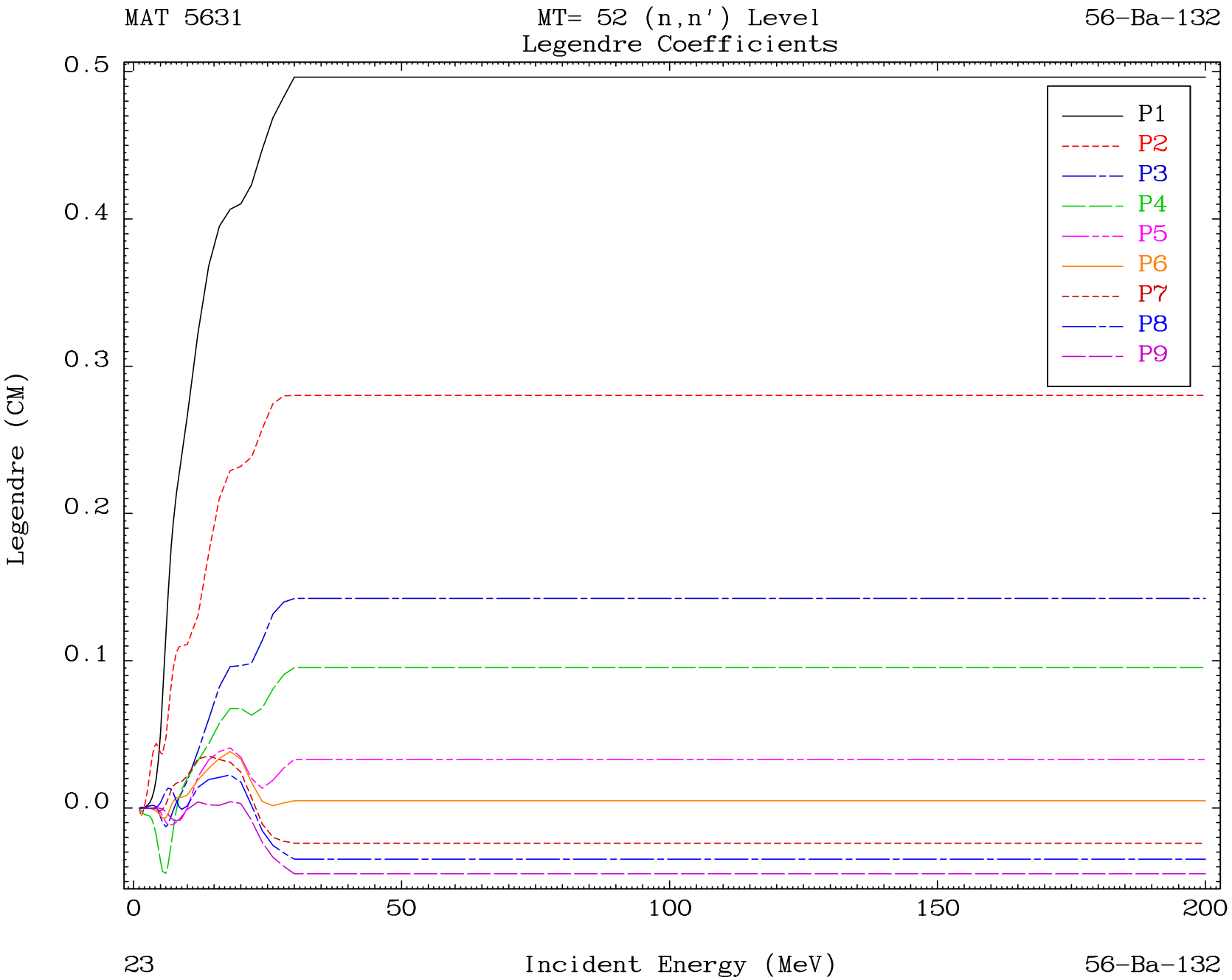

MAT 5631
Elastic
Legendre Coefficients
56-Ba-132
X10^-7
8
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
10
15
20
25
30
18
Incident Energy (MeV)
56-Ba-132

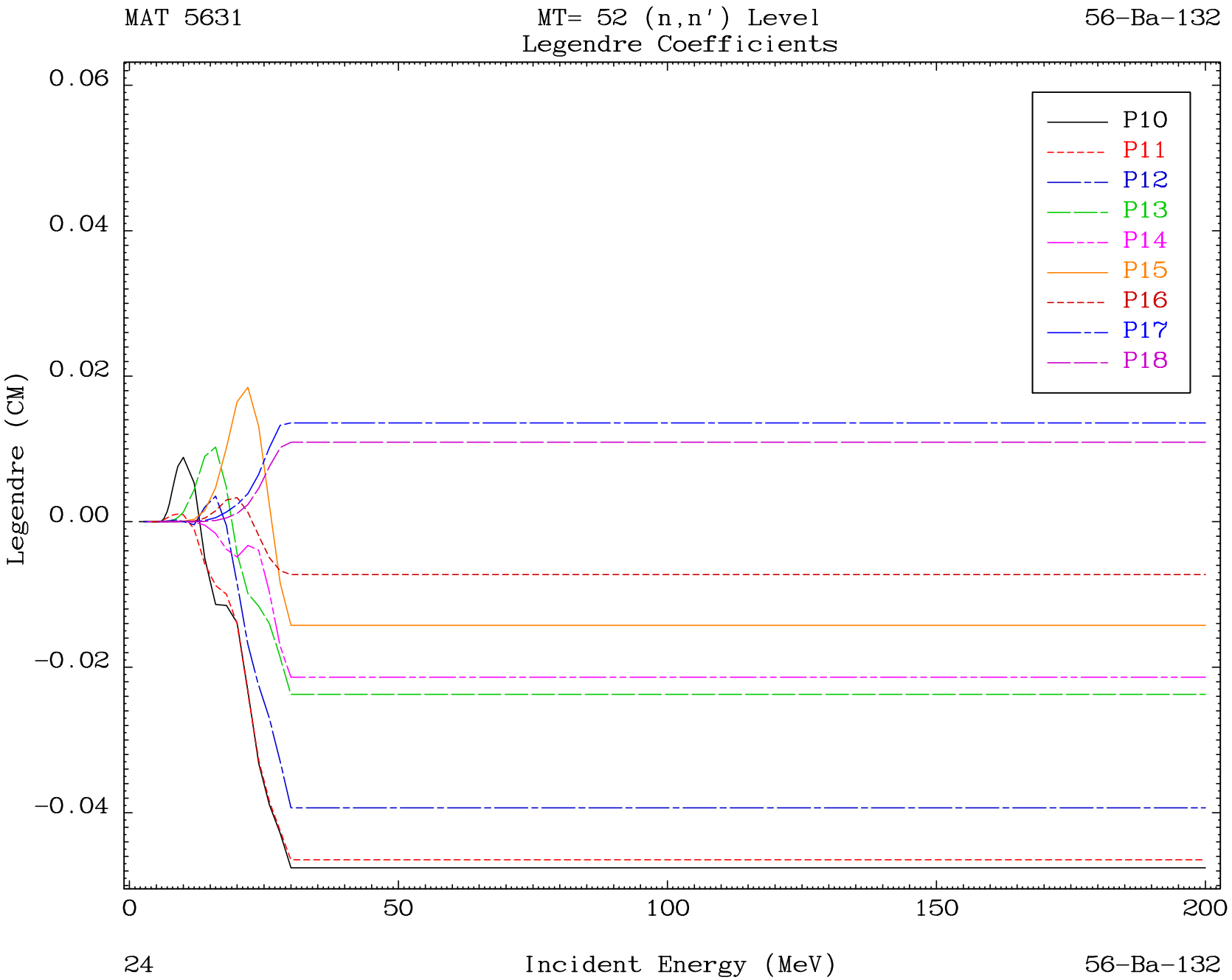

MAT 5631
MT= 51 (n,n') Level
Legendre Coefficients
56-Ba-132
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
19
Incident Energy (MeV)
56-Ba-132

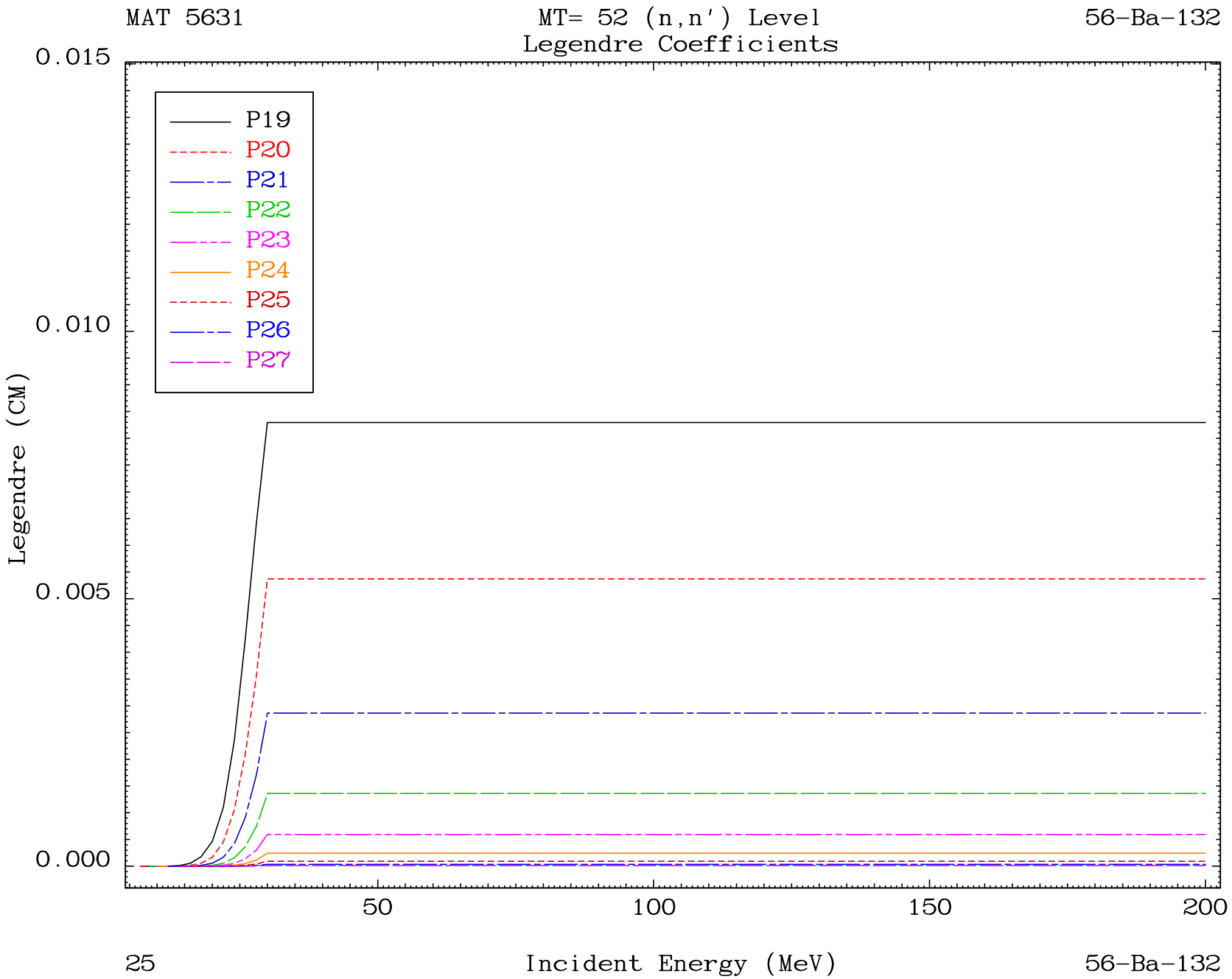

MAT 5631
MT= 51 (n,n') Level
Legendre Coefficients
56-Ba-132
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
20
Incident Energy (MeV)
56-Ba-132

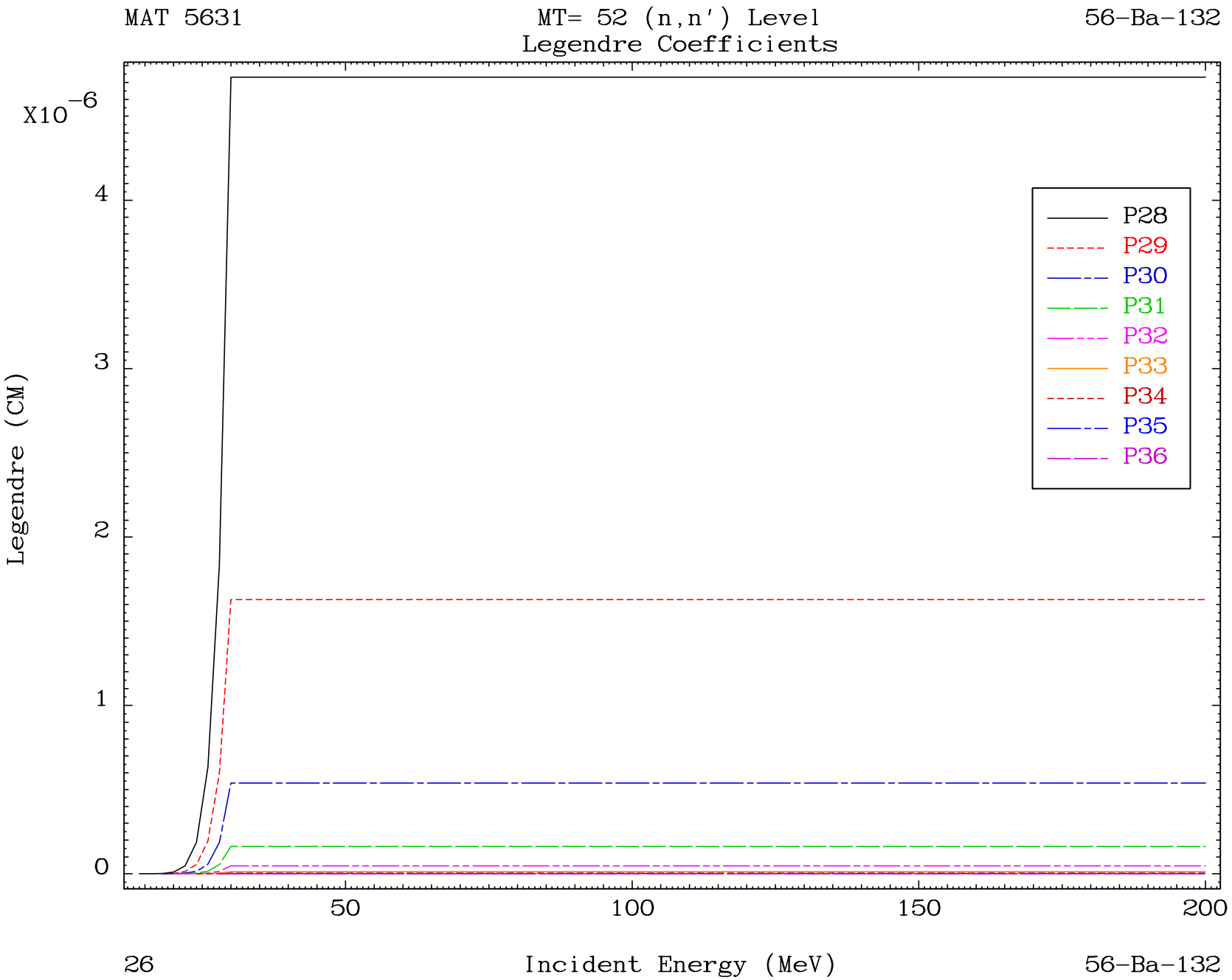

MAT 5631
MT= 51 (n,n') Level
Legendre Coefficients
56-Ba-132
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
21
Incident Energy (MeV)
56-Ba-132

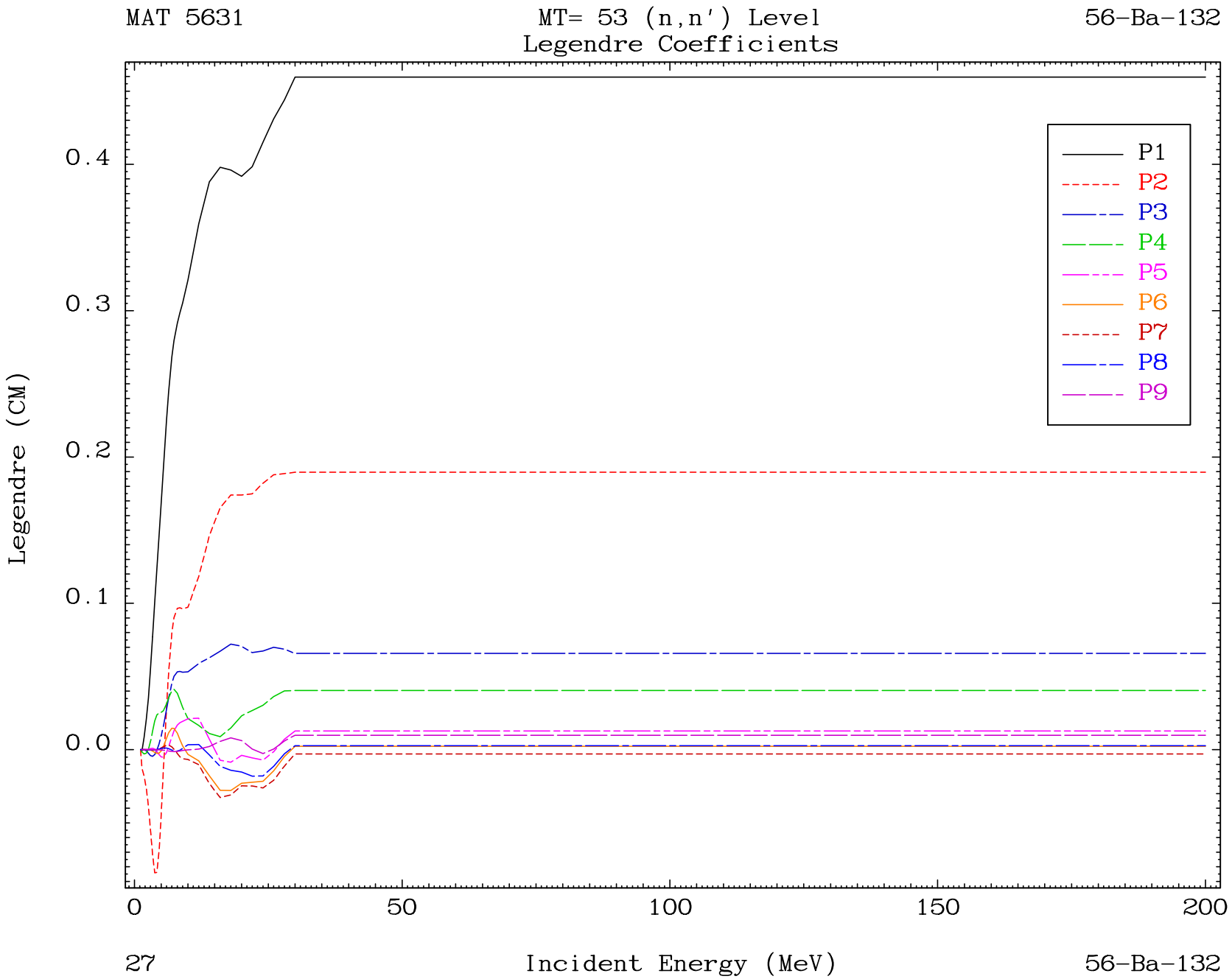

MAT 5631
MT= 51 (n,n') Level
Legendre Coefficients
56-Ba-132
X10 -6
5
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
22
Incident Energy (MeV)
56-Ba-132

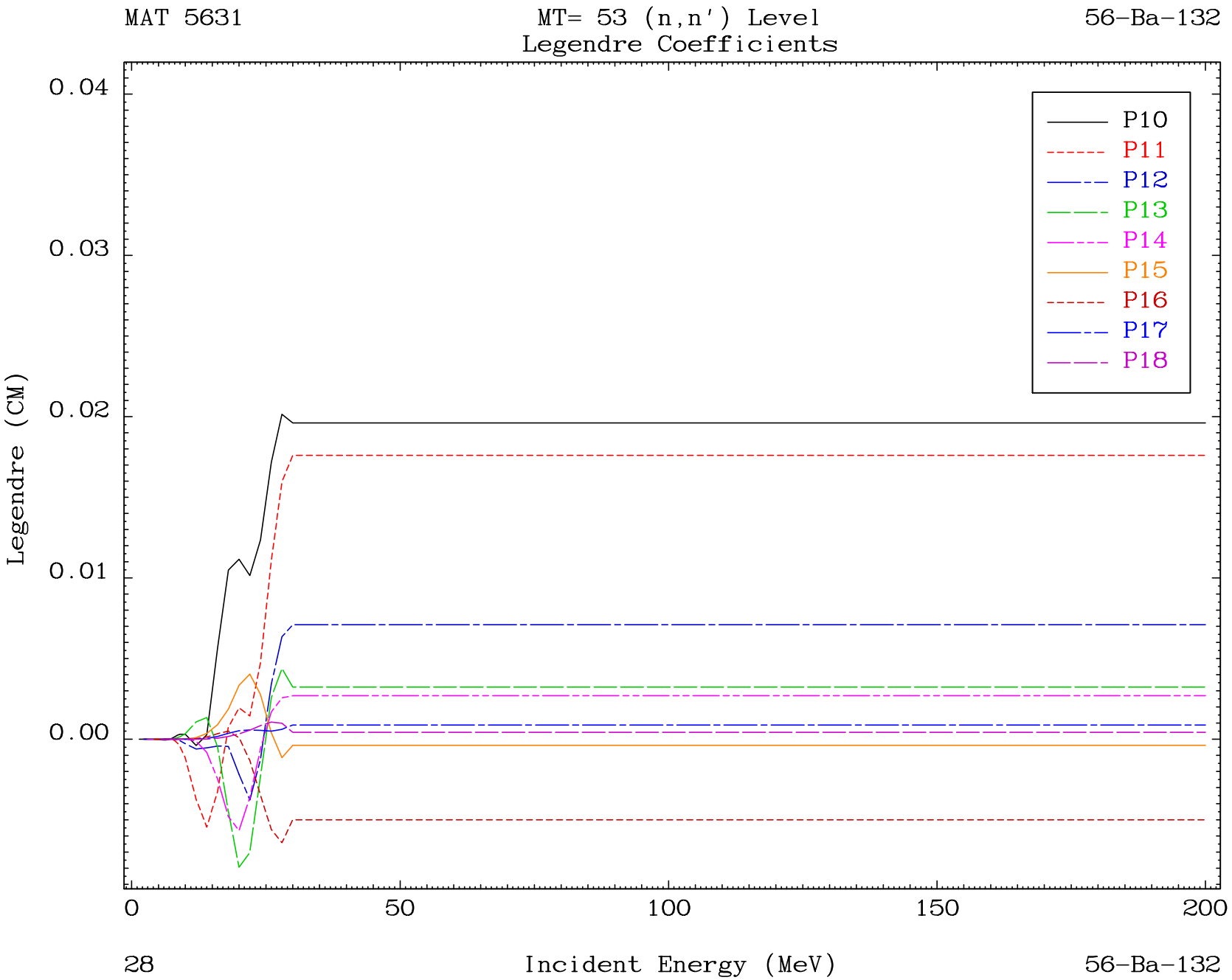

MAT 5631
MT= 52 (n,n') Level
Legendre Coefficients
56-Ba-132
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
23
Incident Energy (MeV)
56-Ba-132

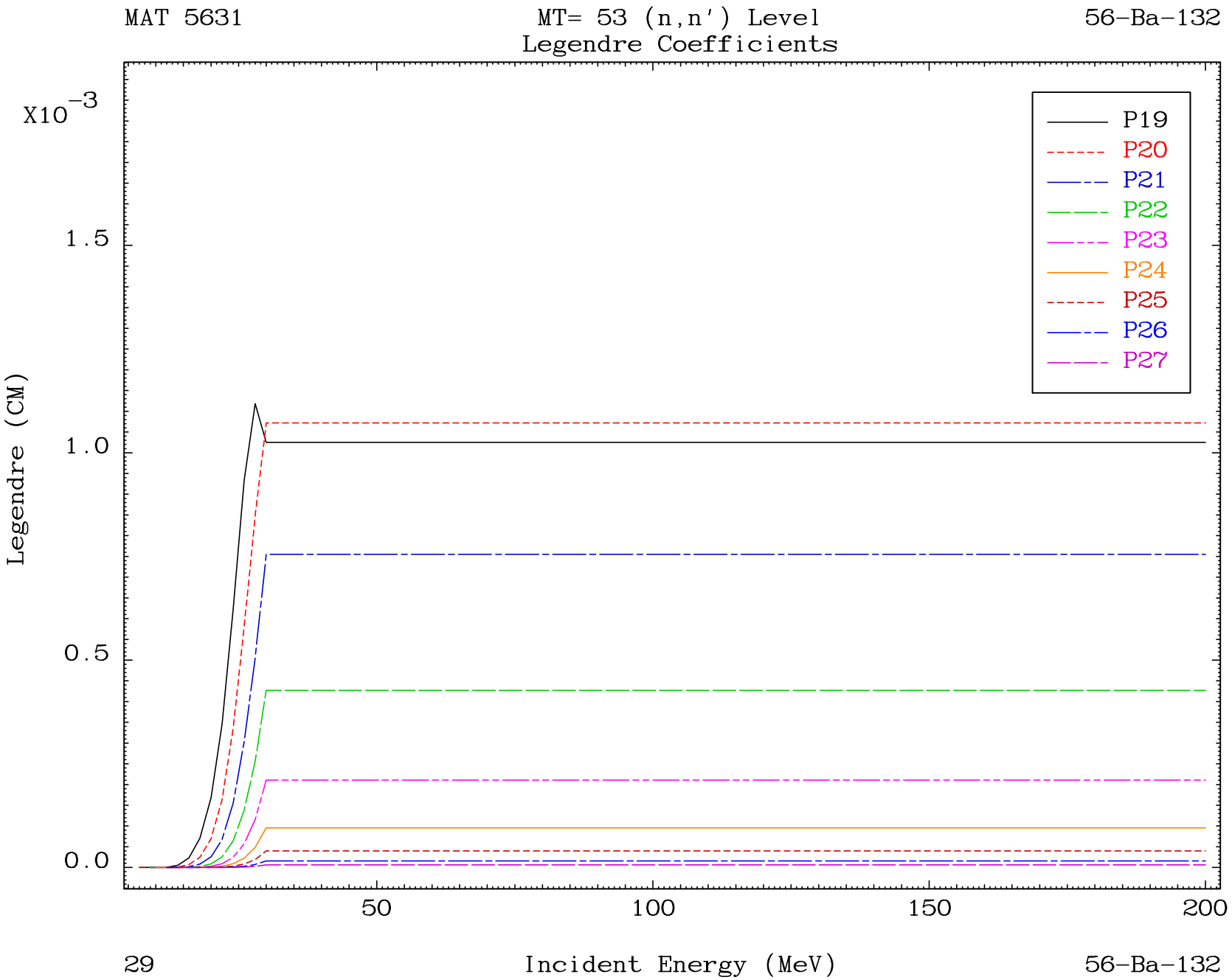

MAT 5631
MT= 52 (n,n') Level
Legendre Coefficients
56-Ba-132
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
24
Incident Energy (MeV)
56-Ba-132

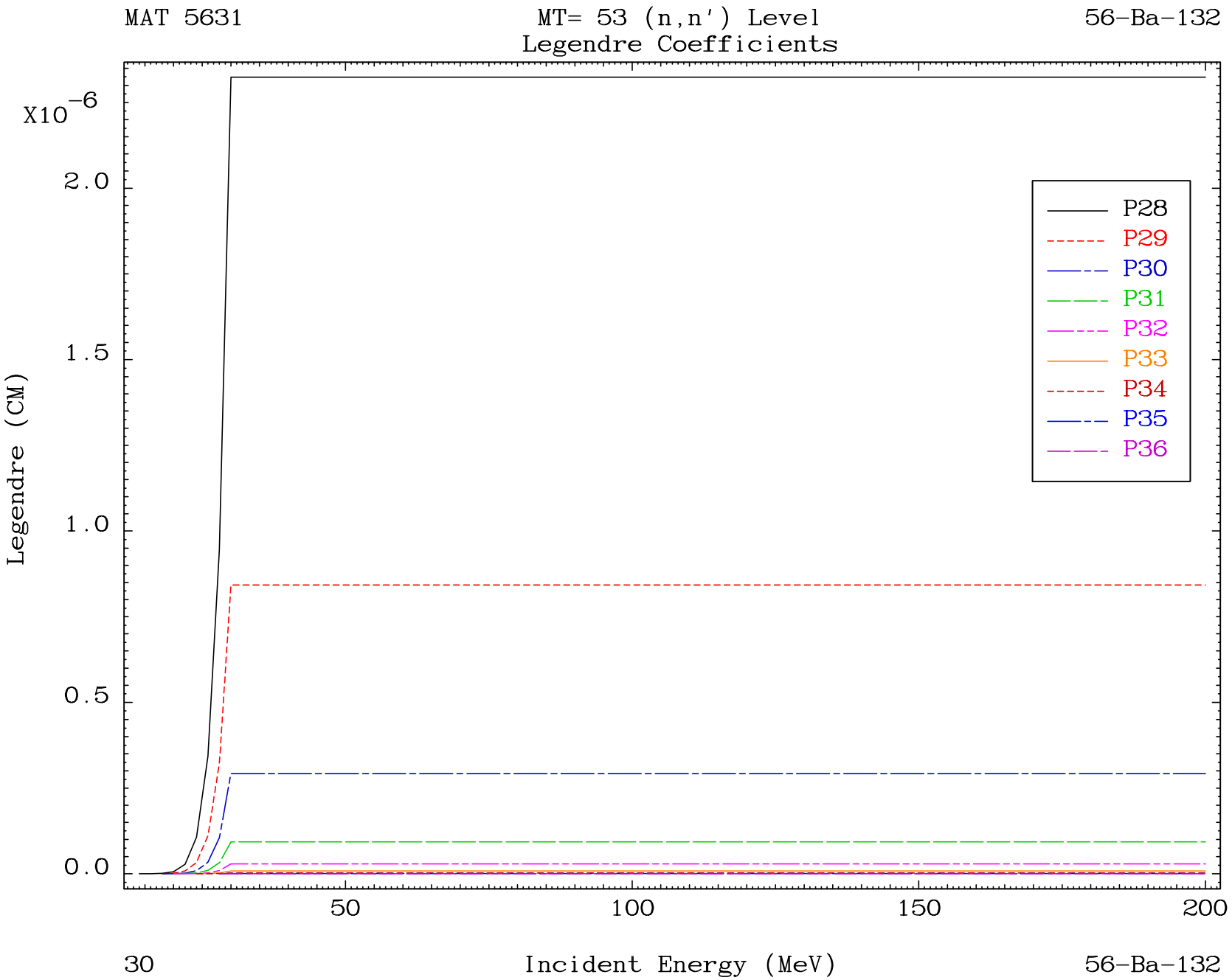

MAT 5631
MT= 52 (n,n') Level
Legendre Coefficients
56-Ba-132
0.015
0.010
0.005
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
25
Incident Energy (MeV)
56-Ba-132

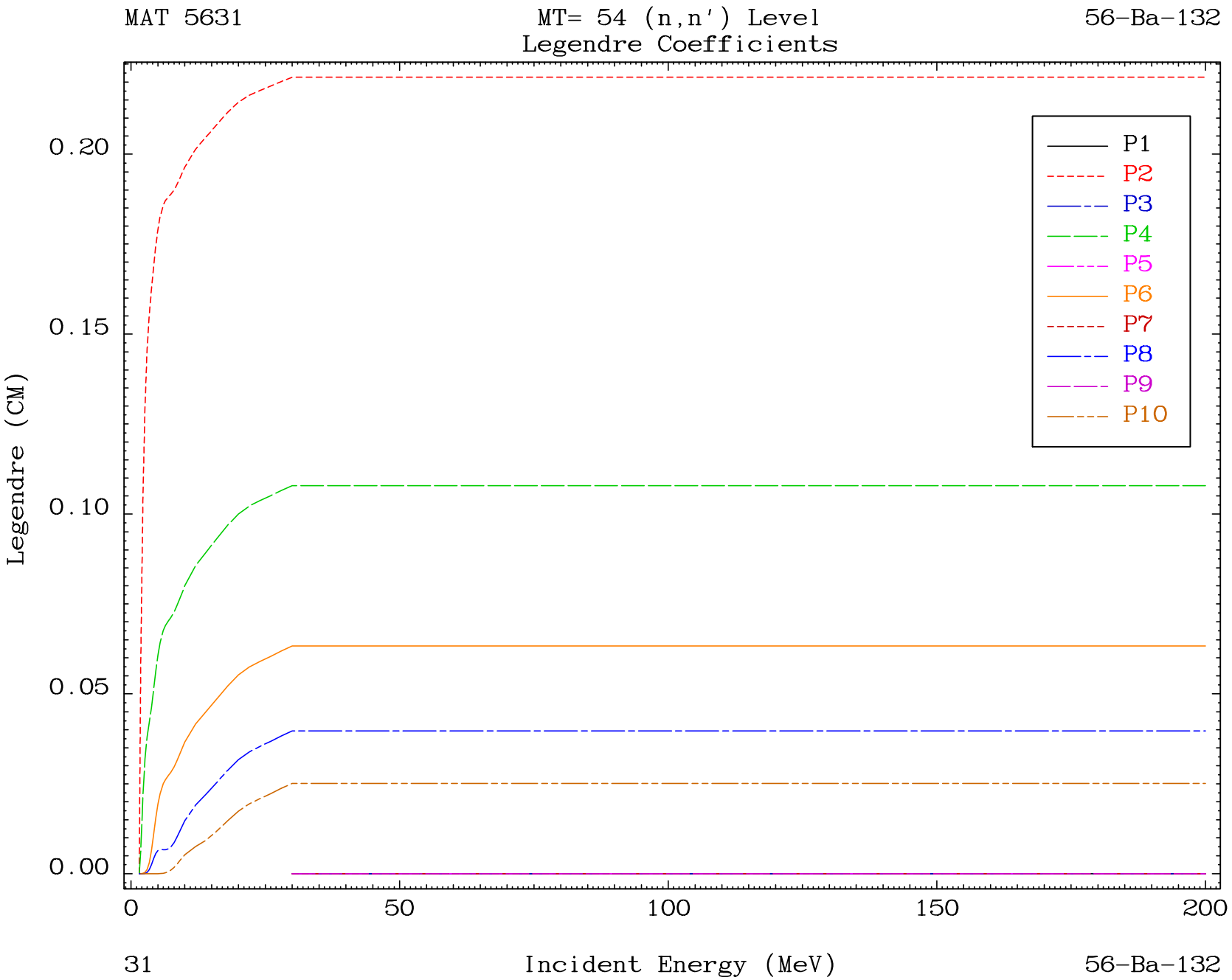

MAT 5631
MT= 52 (n,n') Level
Legendre Coefficients
56-Ba-132
X10^-6
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
26
Incident Energy (MeV)
56-Ba-132

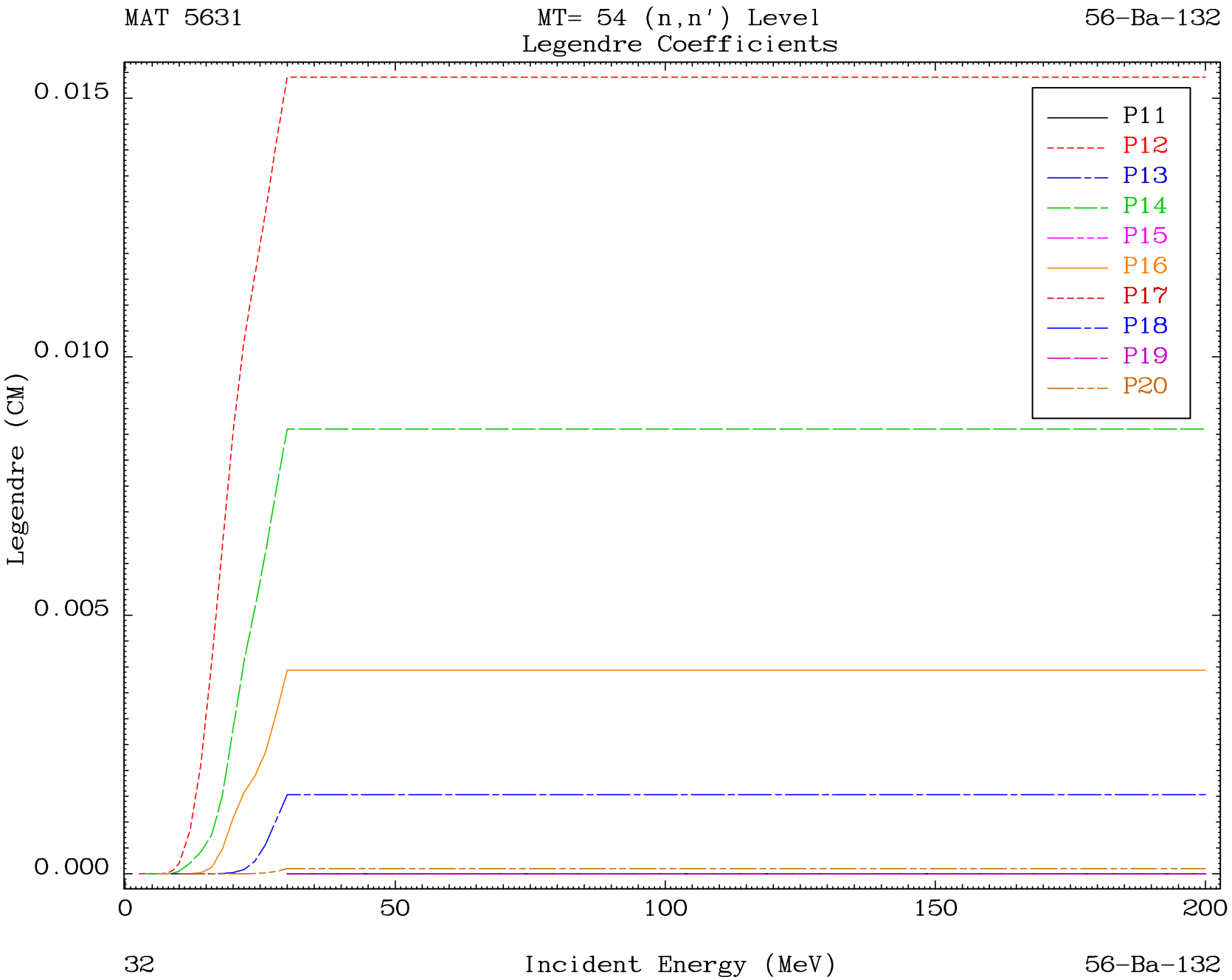

MAT 5631
MT= 53 (n,n') Level
Legendre Coefficients
56-Ba-132
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
27
Incident Energy (MeV)
56-Ba-132

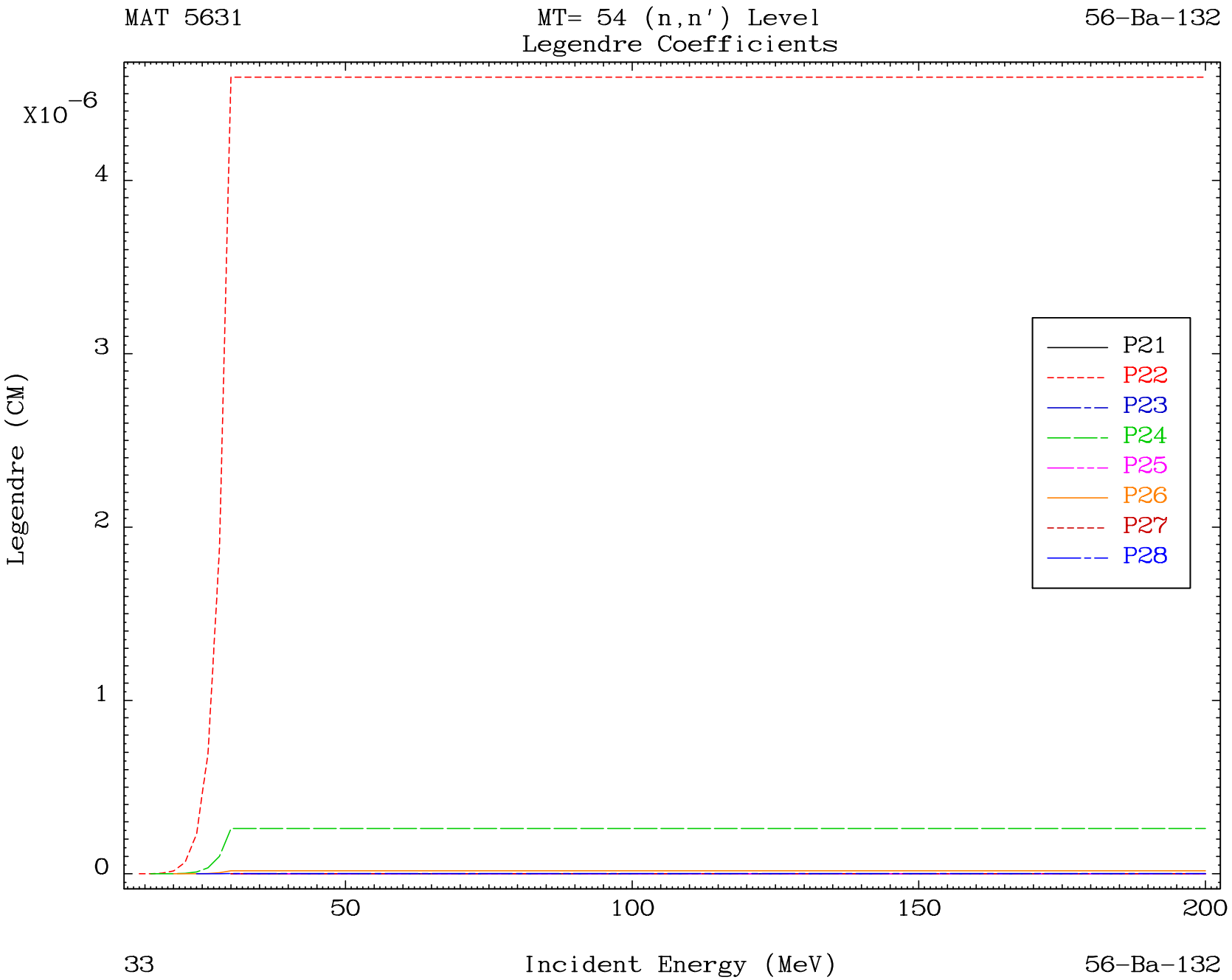

MAT 5631
MT= 53 (n,n') Level
Legendre Coefficients
56-Ba-132
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
28
Incident Energy (MeV)
56-Ba-132

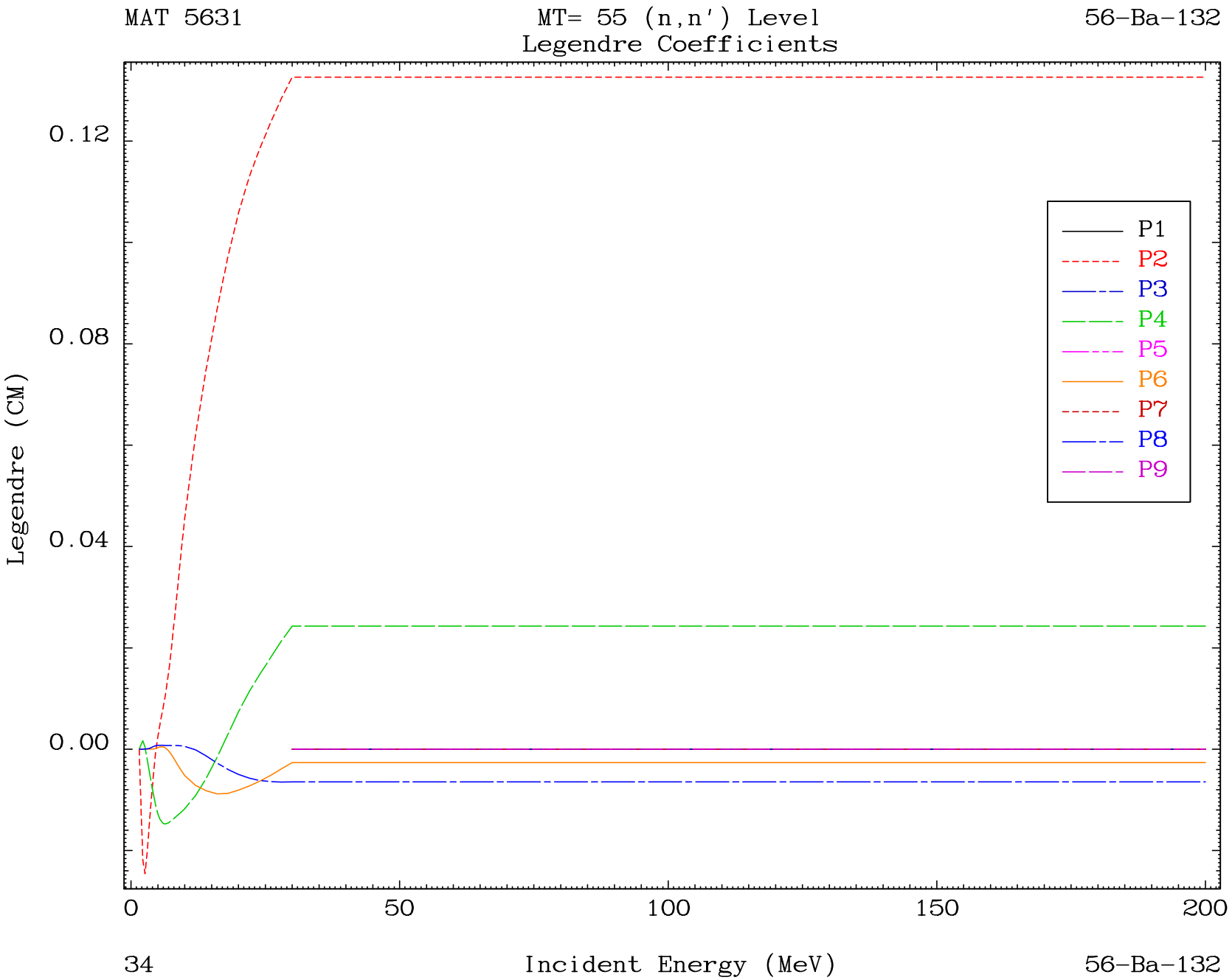

MAT 5631
MT= 53 (n,n') Level
Legendre Coefficients
56-Ba-132
X10-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
29
Incident Energy (MeV)
56-Ba-132

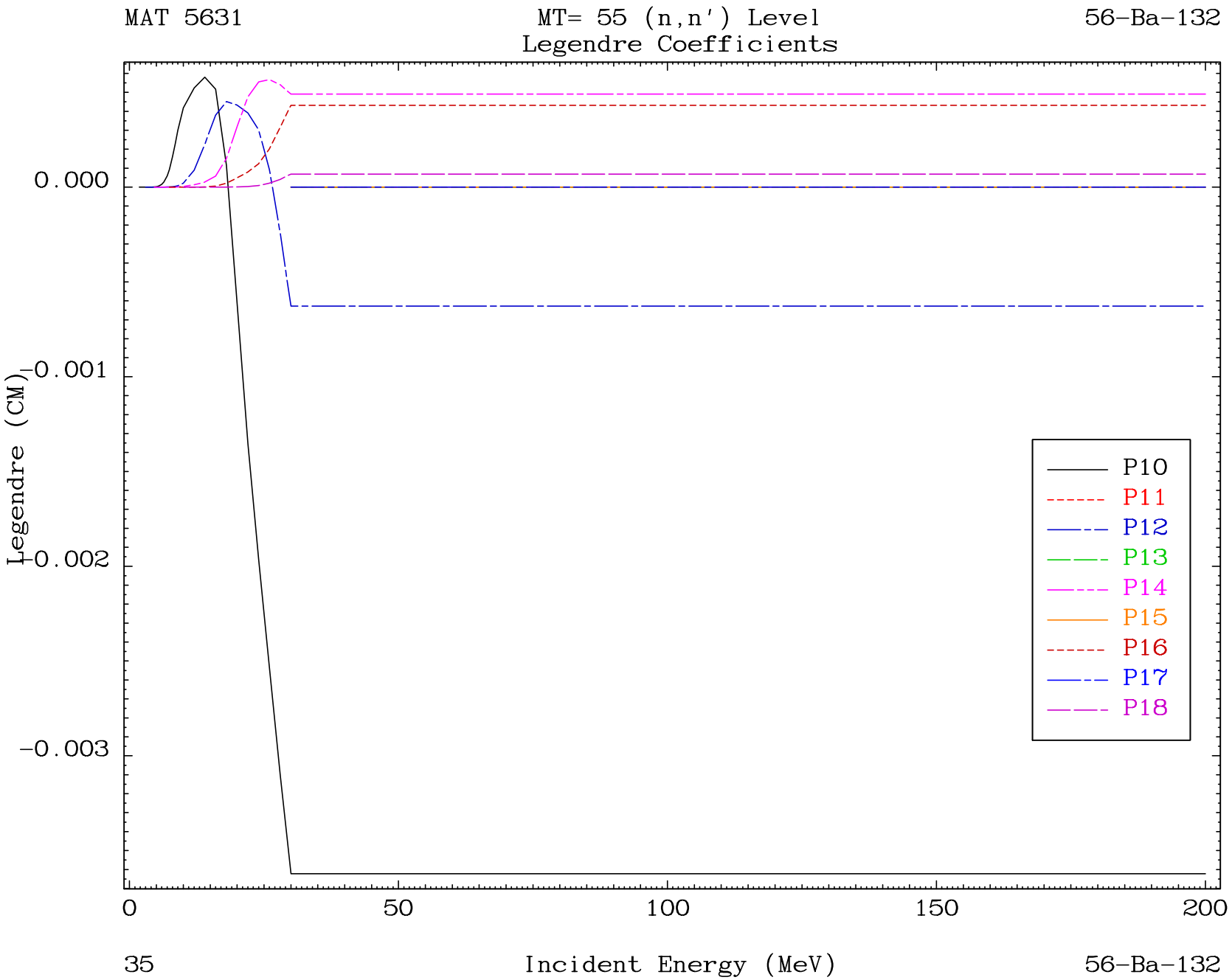

MAT 5631
MT= 53 (n,n') Level
Legendre Coefficients
56-Ba-132
X10^-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
30
50
100
150
200
Incident Energy (MeV)
56-Ba-132

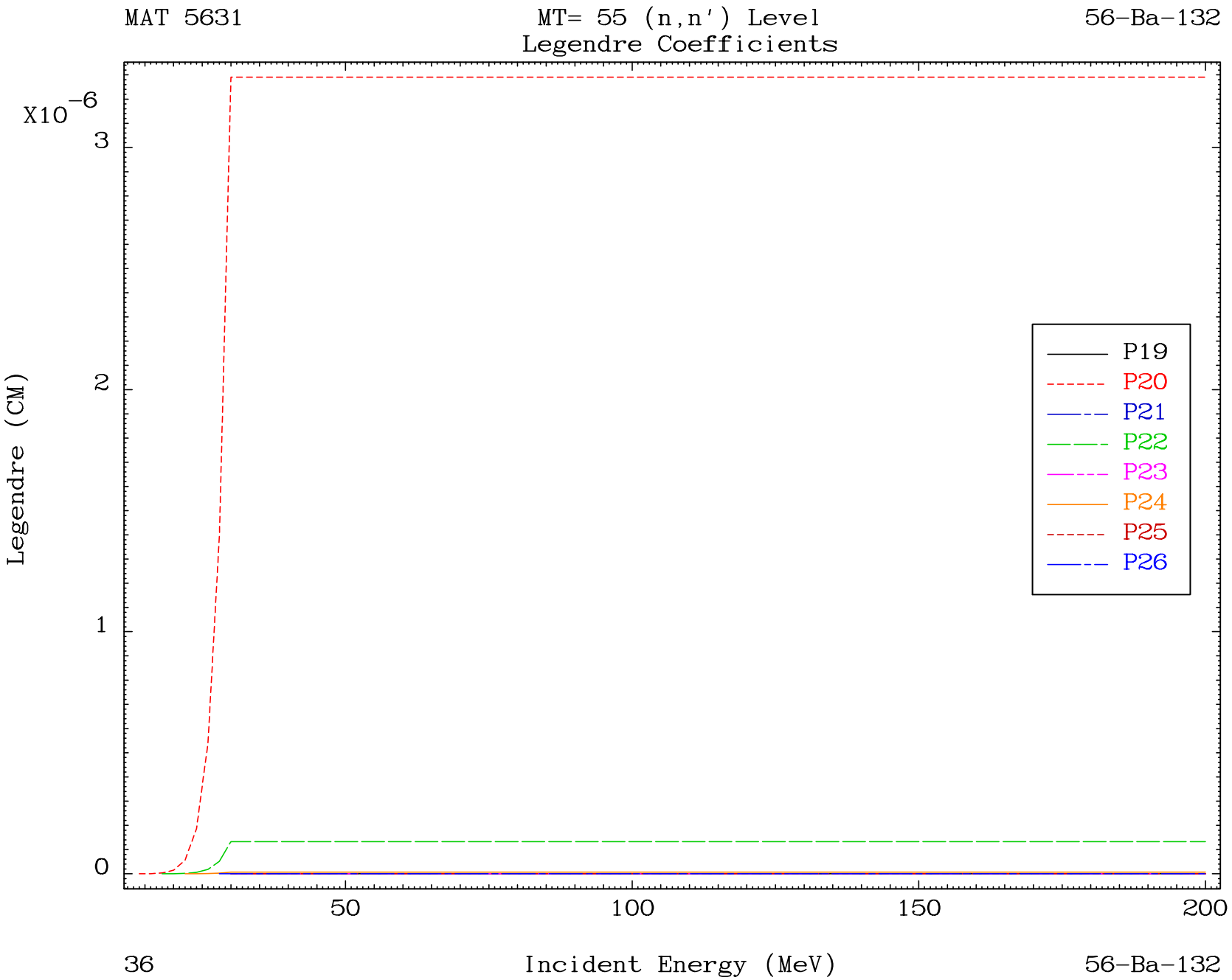

MAT 5631
MT= 54 (n,n') Level
Legendre Coefficients
56-Ba-132
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
0
50
100
150
200
Incident Energy (MeV)
31
56-Ba-132
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

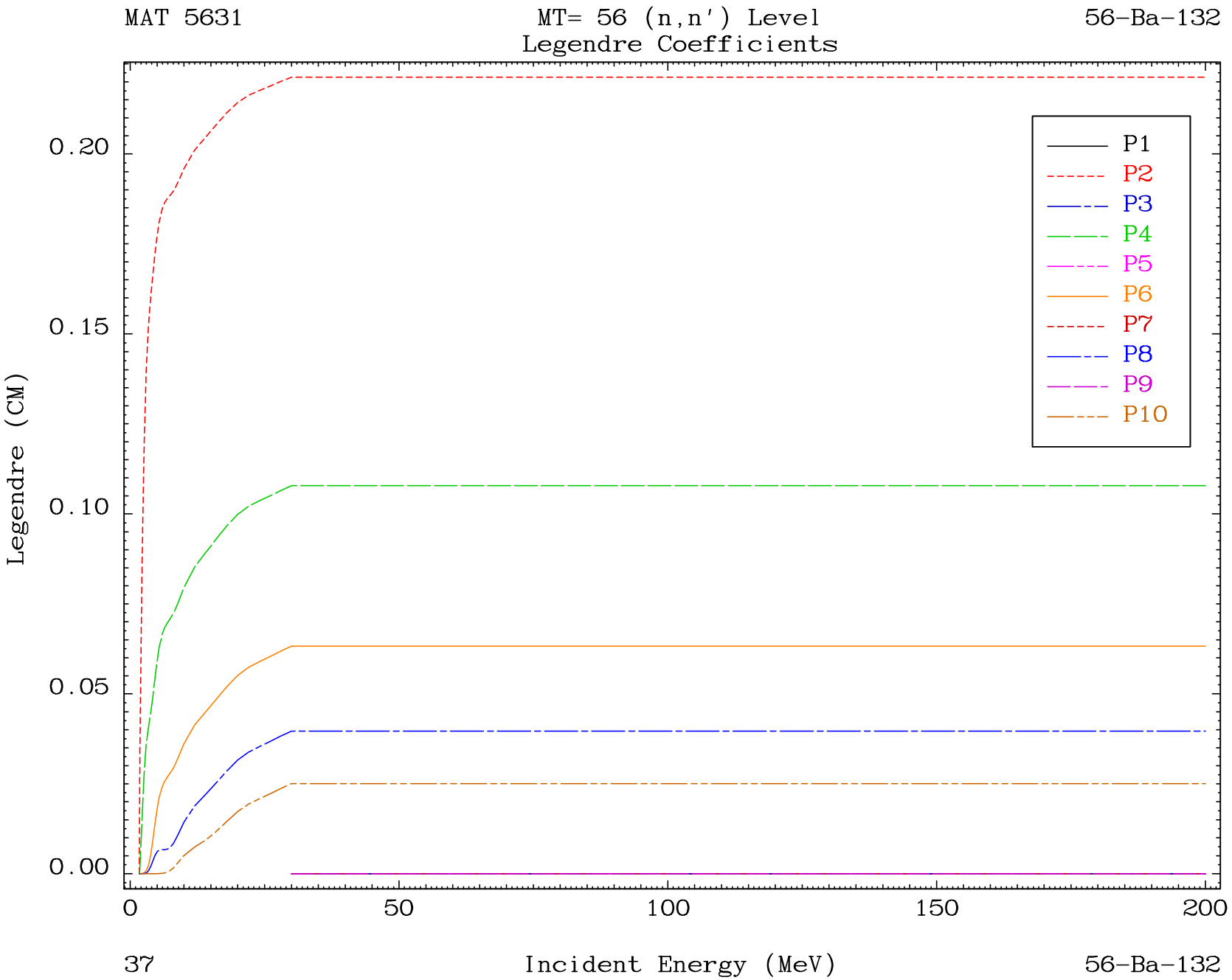

MAT 5631
MT= 54 (n,n') Level
Legendre Coefficients
56-Ba-132
0.015
0.010
0.005
0.000
Legendre (CM)
0
50
100
150
200
32
Incident Energy (MeV)
56-Ba-132
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

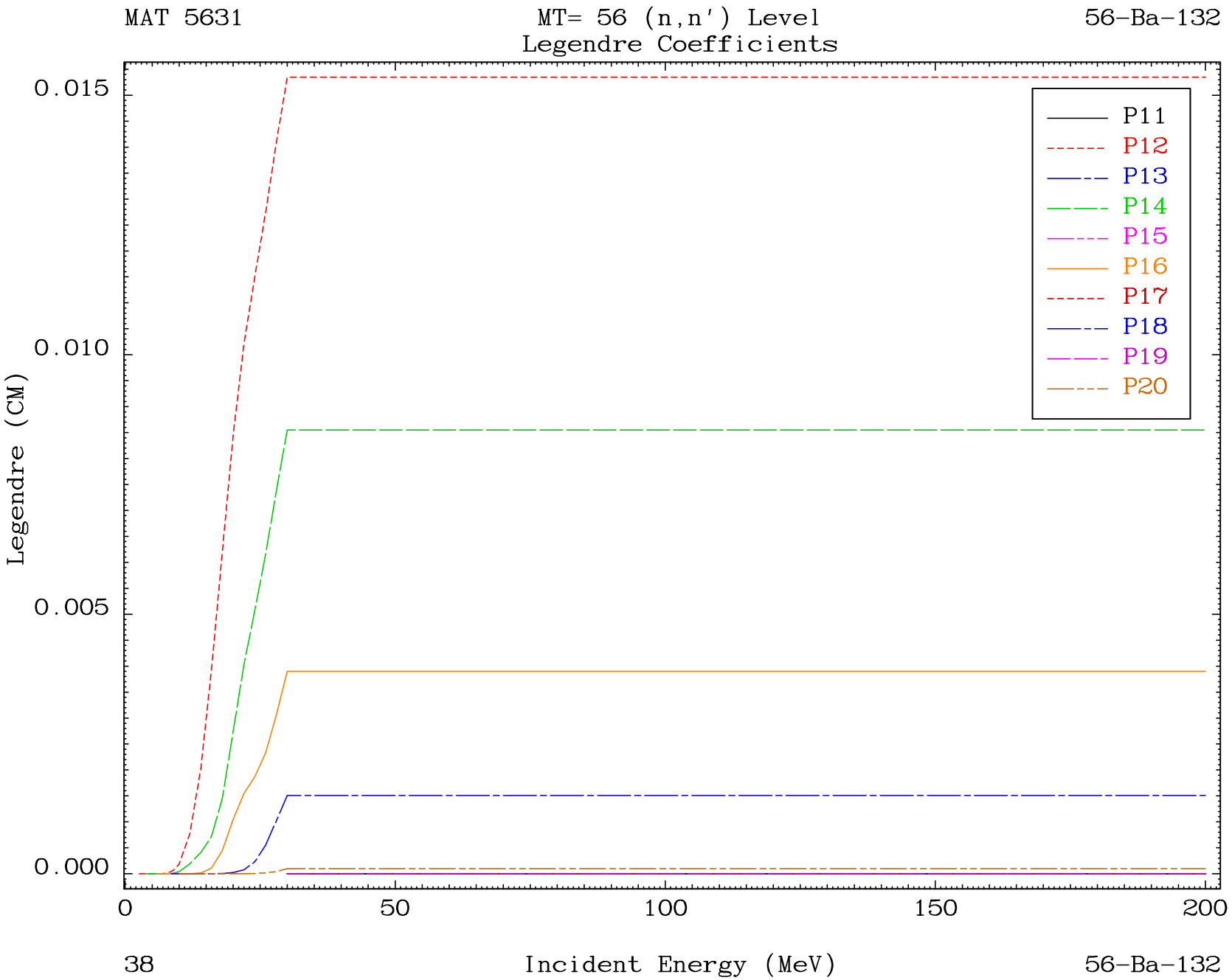

MAT 5631
MT= 54 (n,n') Level
Legendre Coefficients
56-Ba-132
X10^-6
4
3
2
1
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
33
Incident Energy (MeV)
56-Ba-132

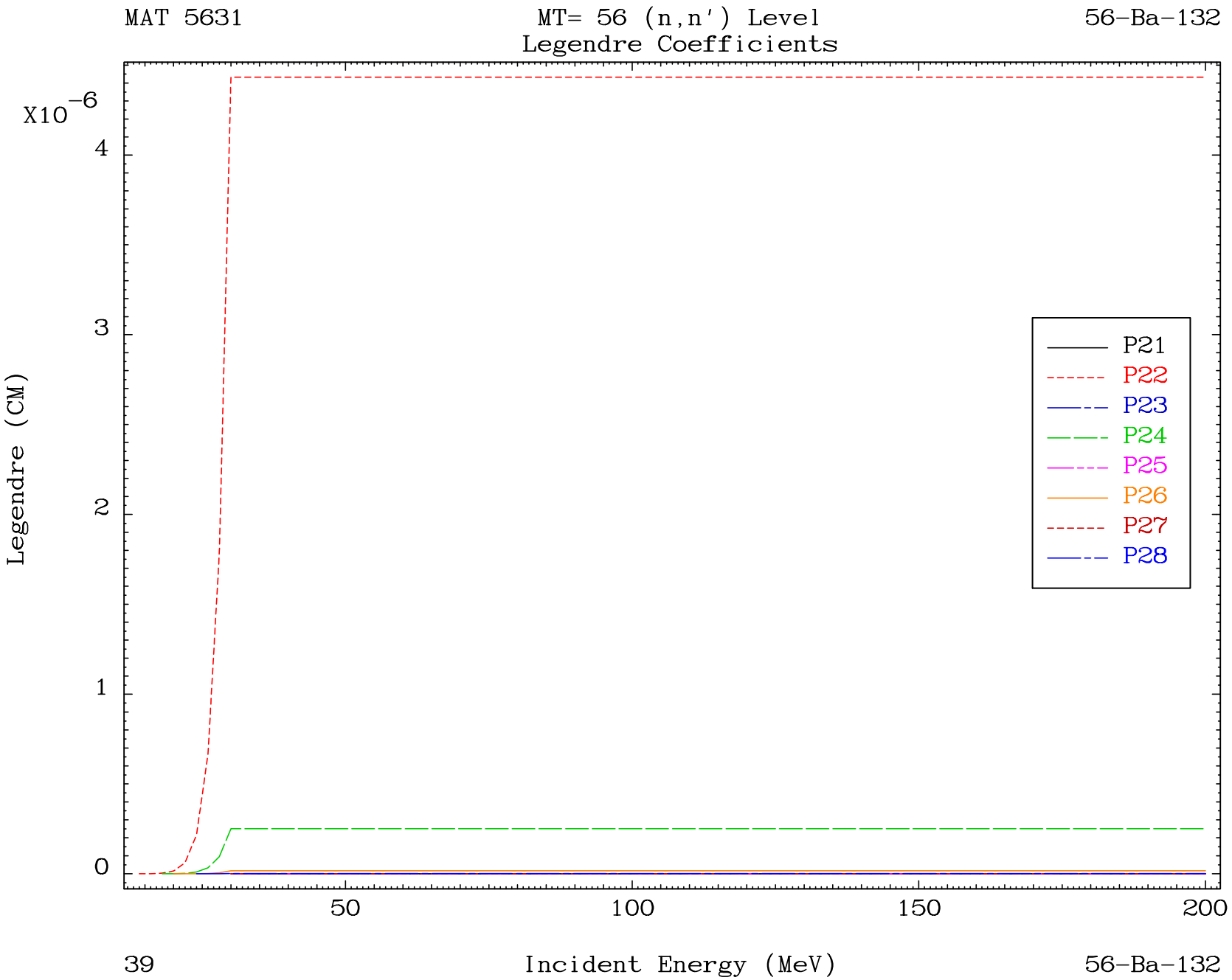

MAT 5631
MT= 55 (n,n') Level
Legendre Coefficients
56-Ba-132
0.12
0.08
0.04
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
34
Incident Energy (MeV)
56-Ba-132

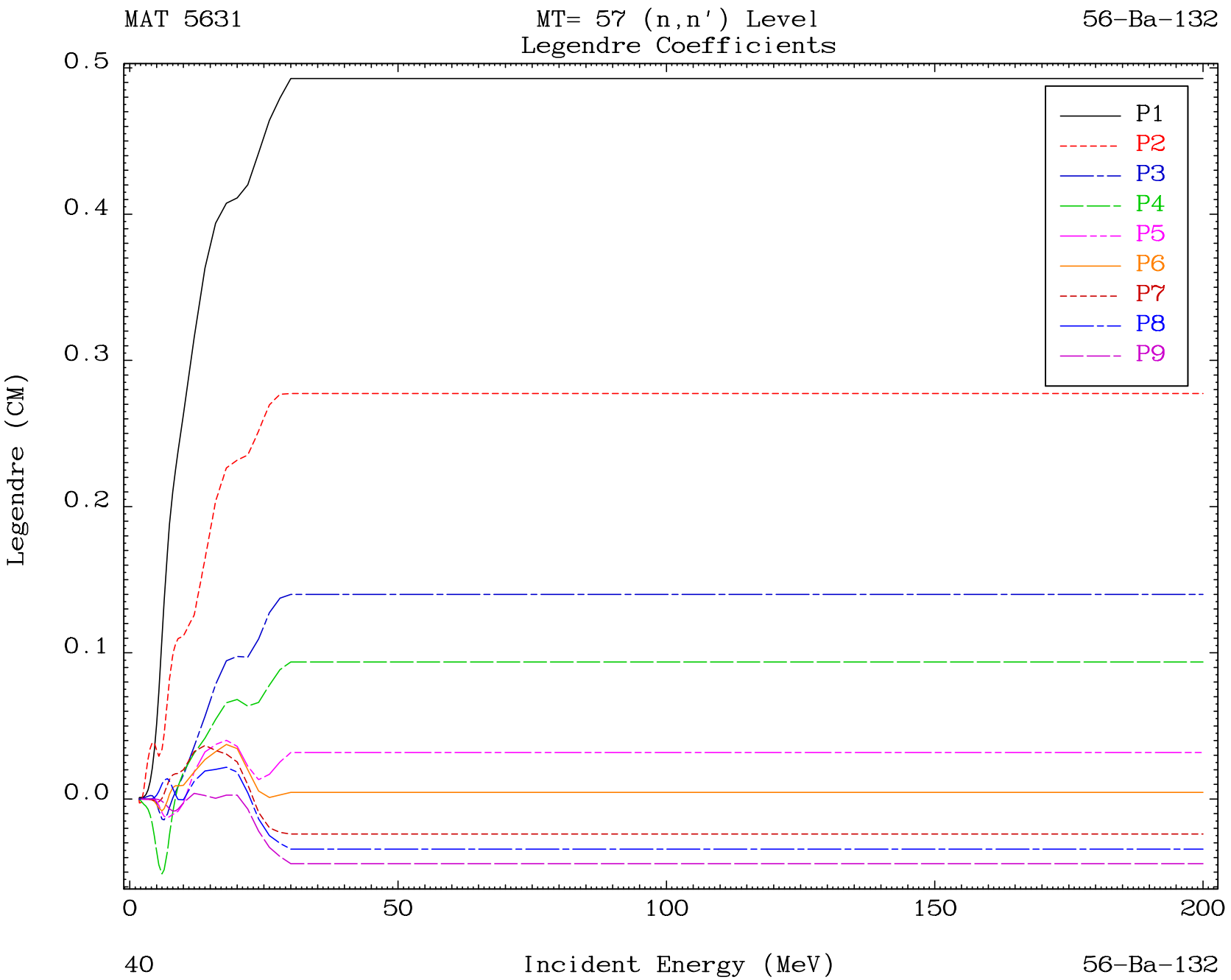

MAT 5631
MT= 55 (n,n') Level
Legendre Coefficients
56-Ba-132
0.000
-0.001
-0.002
-0.003
Legendre (CM)1
0
50
100
150
200
35
Incident Energy (MeV)
56-Ba-132
P10
P11
P12
P13
P14
P15
P16
P17
P18

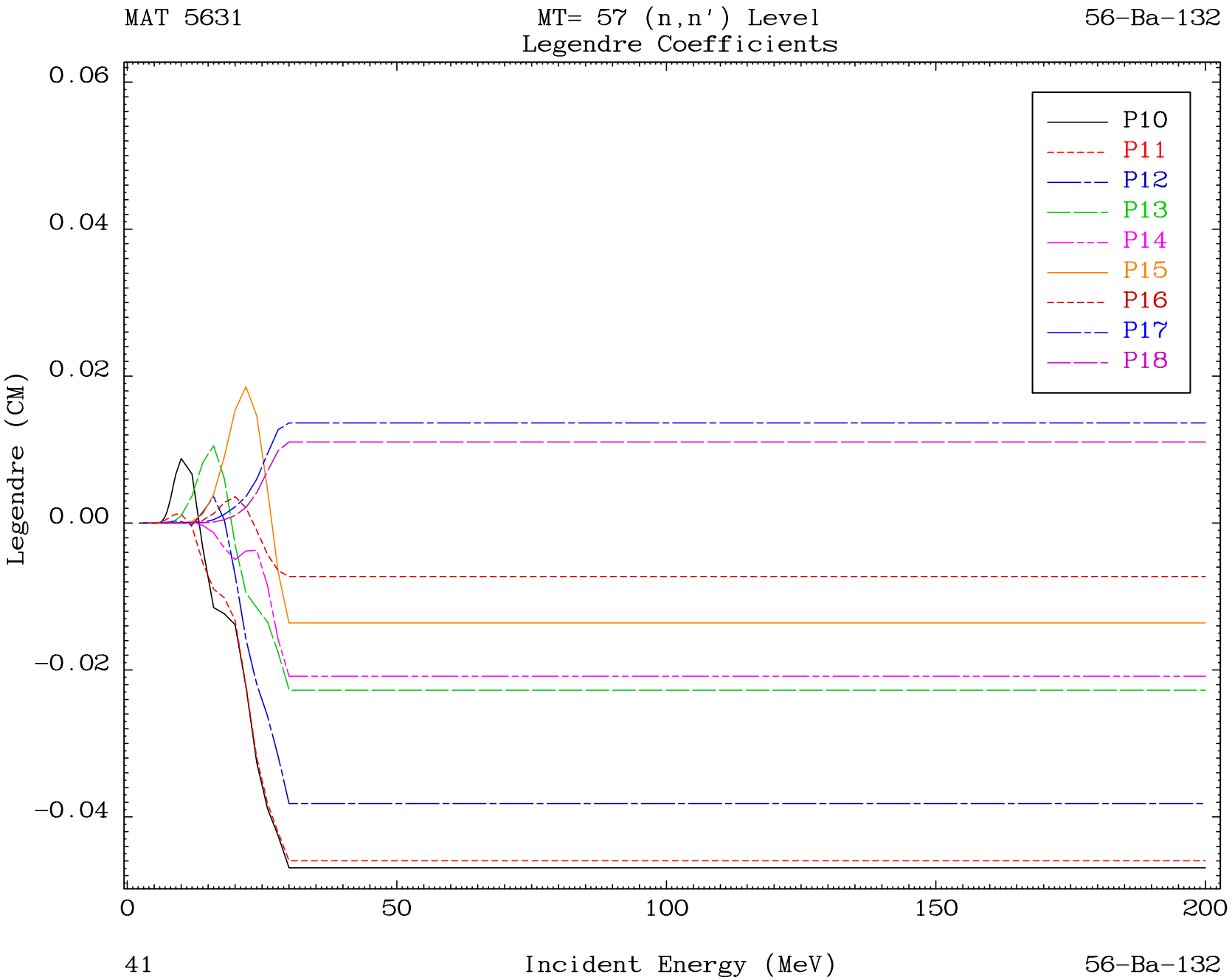

MAT 5631
MT= 55 (n,n') Level
Legendre Coefficients
56-Ba-132
X10^-6
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
36
Incident Energy (MeV)
56-Ba-132

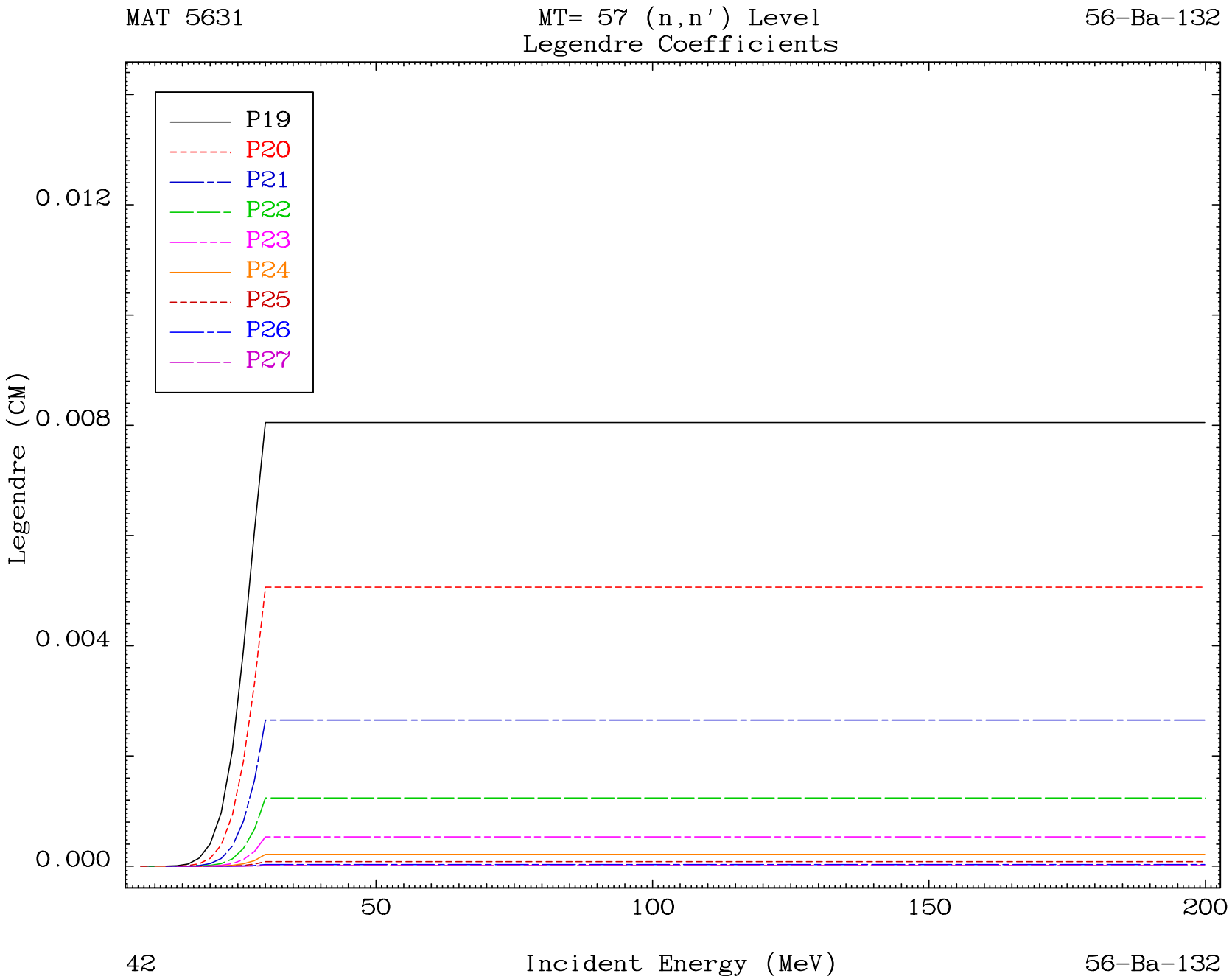

MAT 5631
MT= 56 (n,n') Level
Legendre Coefficients
56-Ba-132
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
0
50
100
150
200
Incident Energy (MeV)
37
56-Ba-132
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

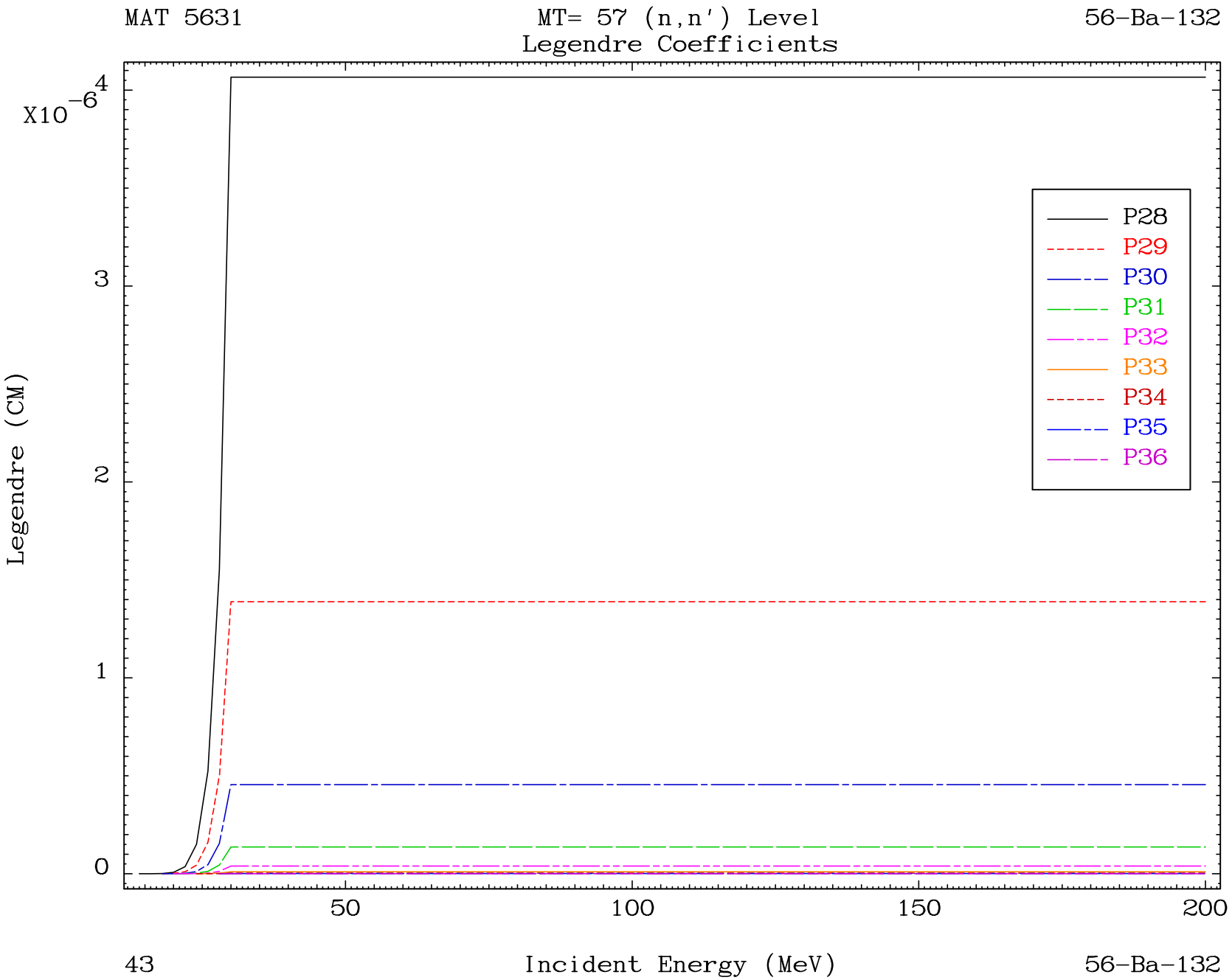

MAT 5631
MT= 56 (n,n') Level
Legendre Coefficients
56-Ba-132
0.015
0.010
0.005
0.000
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
38
Incident Energy (MeV)
56-Ba-132

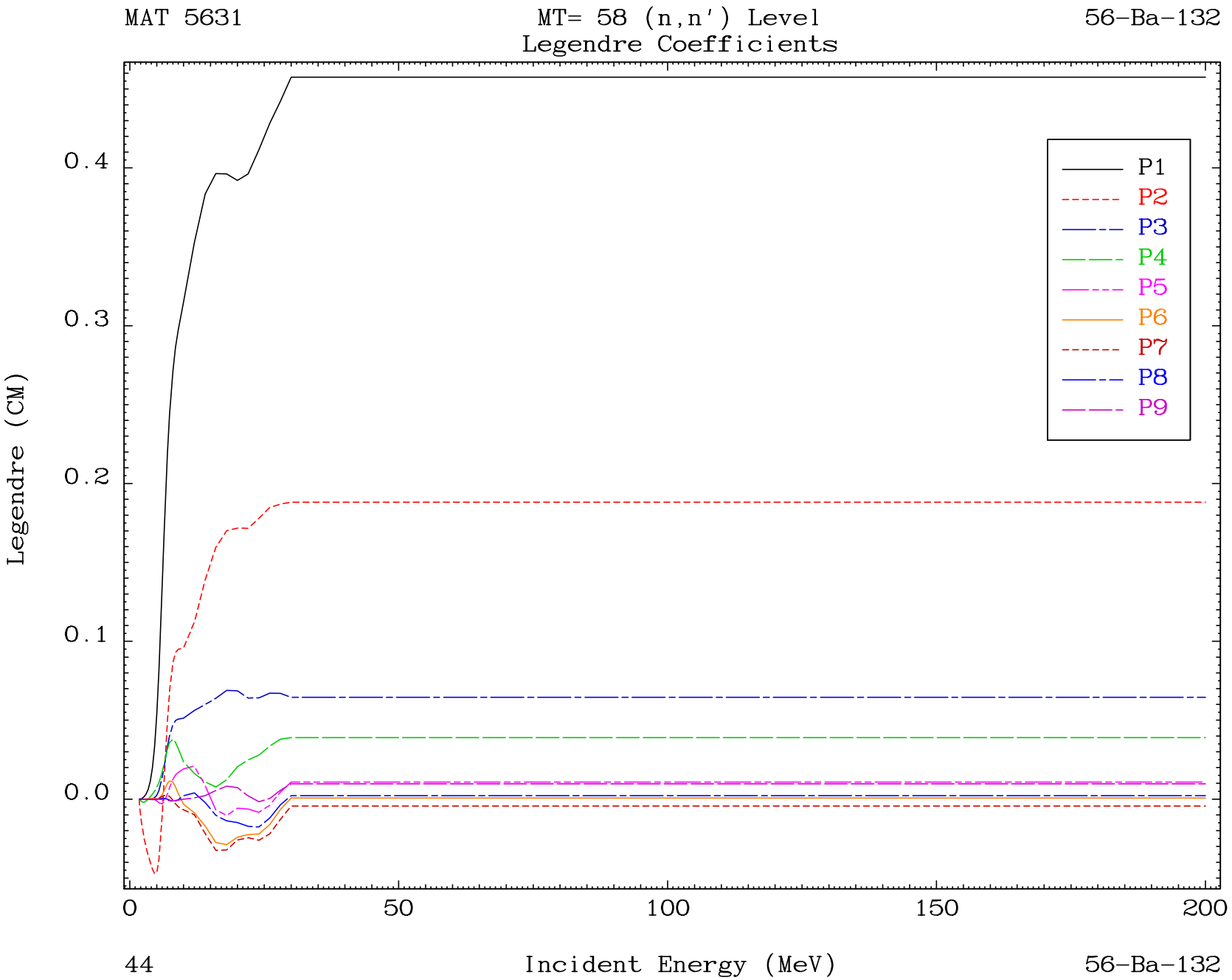

MAT 5631
MT= 56 (n,n') Level
Legendre Coefficients
56-Ba-132
X10^-6
4
3
2
1
0
Legendre (CM)
50
100
150
200
39
Incident Energy (MeV)
56-Ba-132
P21
P22
P23
P24
P25
P26
P27
P28

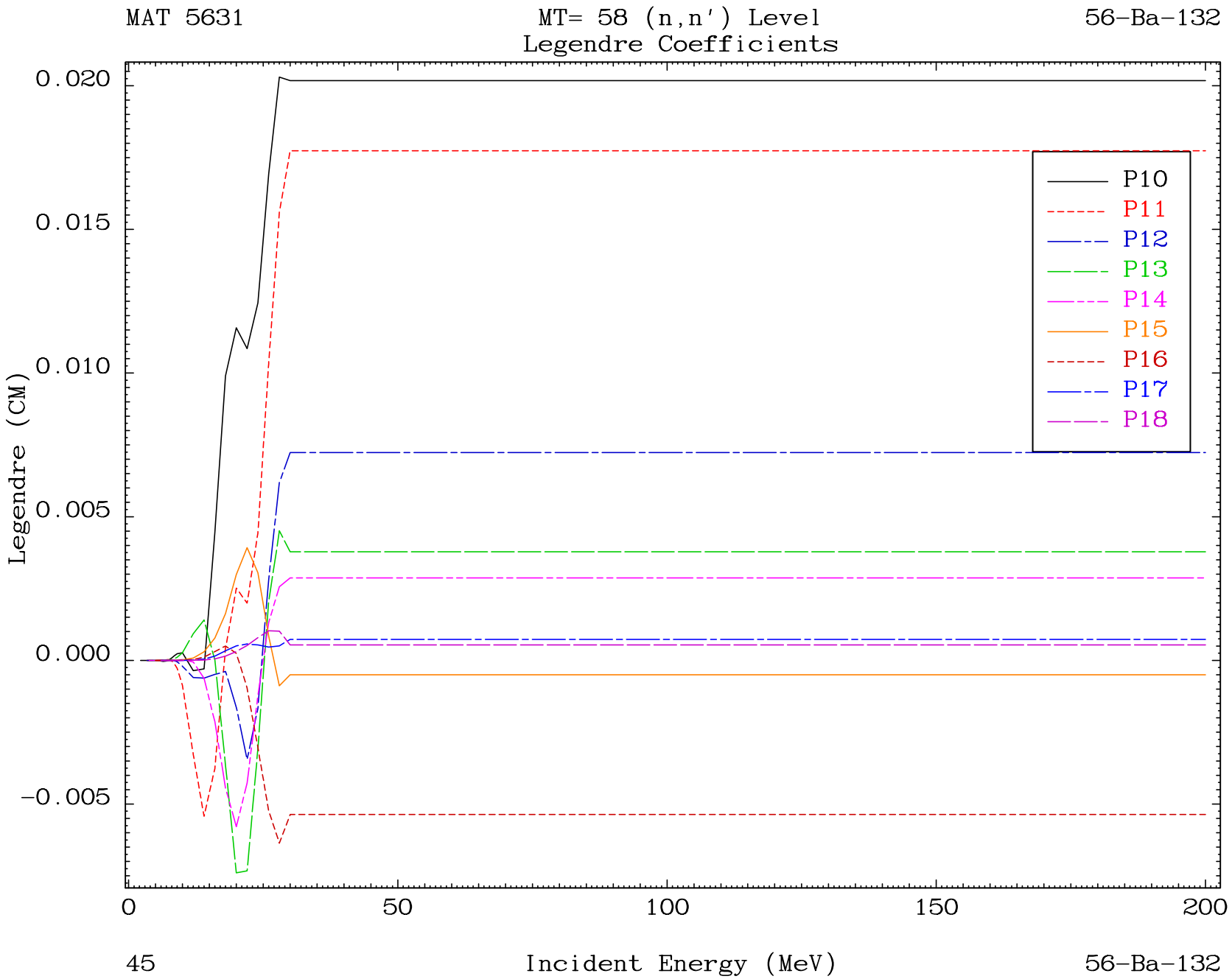

MAT 5631
MT= 57 (n,n') Level
Legendre Coefficients
56-Ba-132
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
40
Incident Energy (MeV)
56-Ba-132

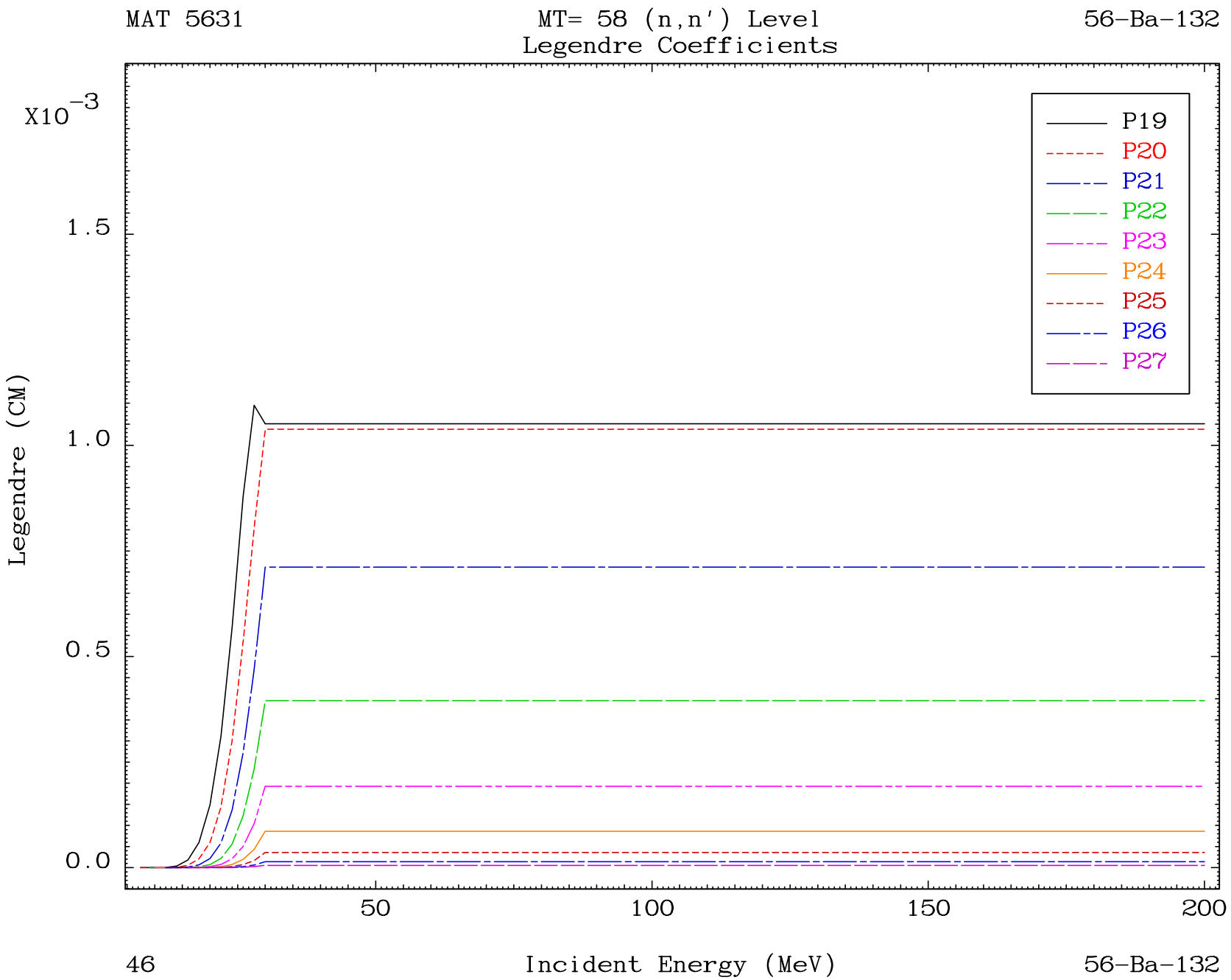

MAT 5631
MT= 57 (n,n') Level
Legendre Coefficients
56-Ba-132
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
41
Incident Energy (MeV)
56-Ba-132

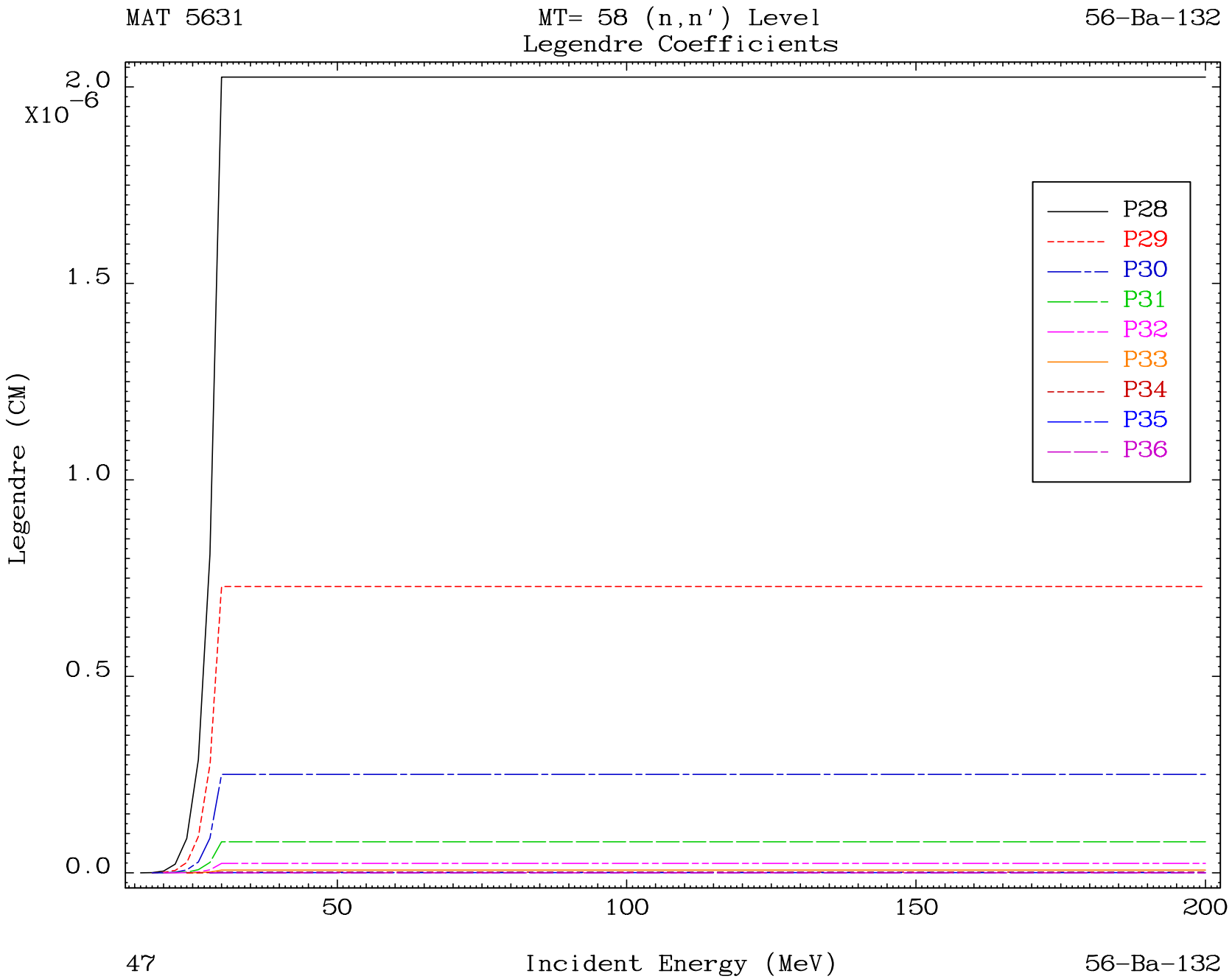

MAT 5631
MT= 57 (n,n') Level
Legendre Coefficients
56-Ba-132
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.012
0.008
0.004
0.000
Legendre (CM)
50
100
150
200
42
Incident Energy (MeV)
56-Ba-132

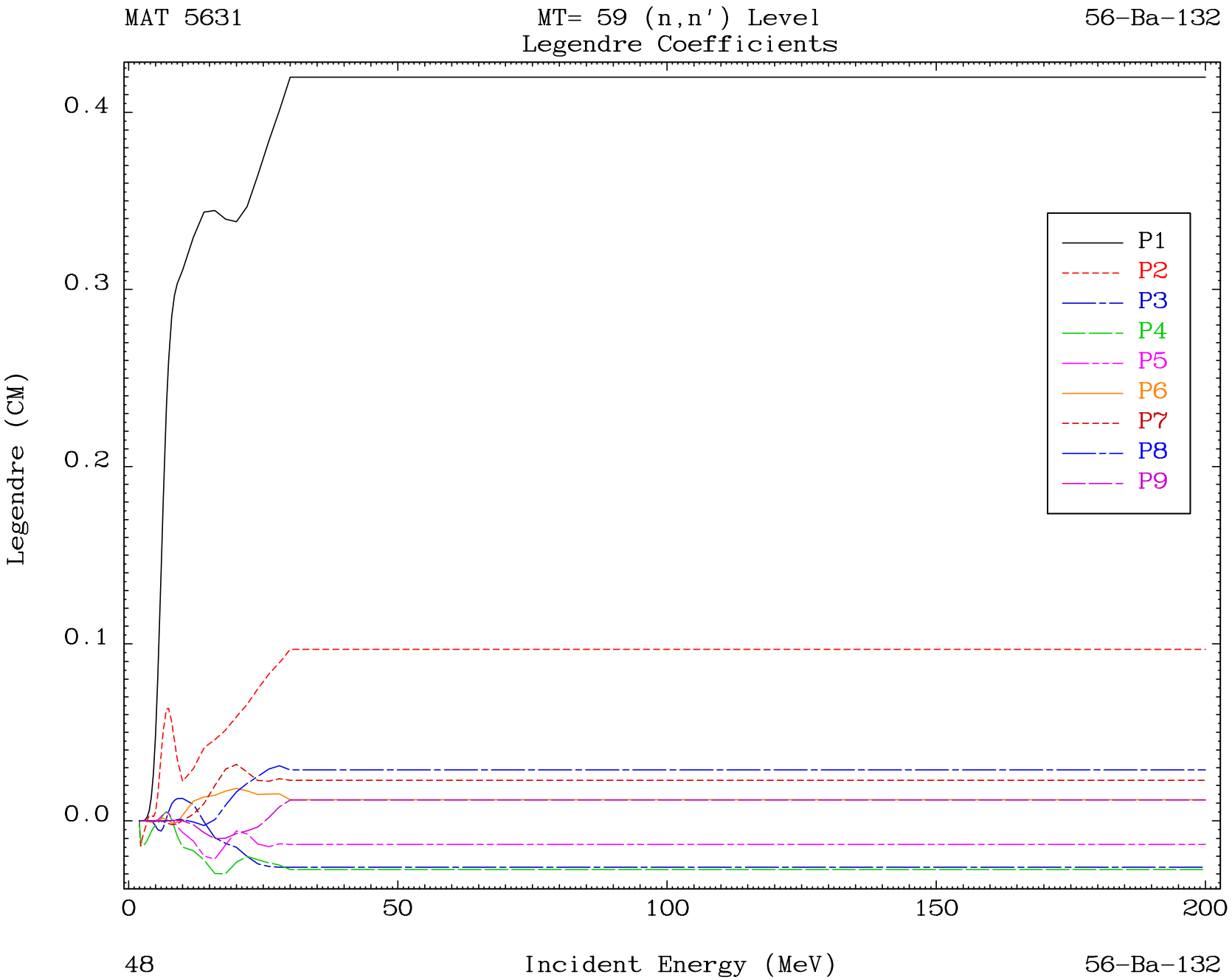

MAT 5631
MT= 57 (n,n') Level
Legendre Coefficients
56-Ba-132
X10 -6
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
43
Incident Energy (MeV)
56-Ba-132

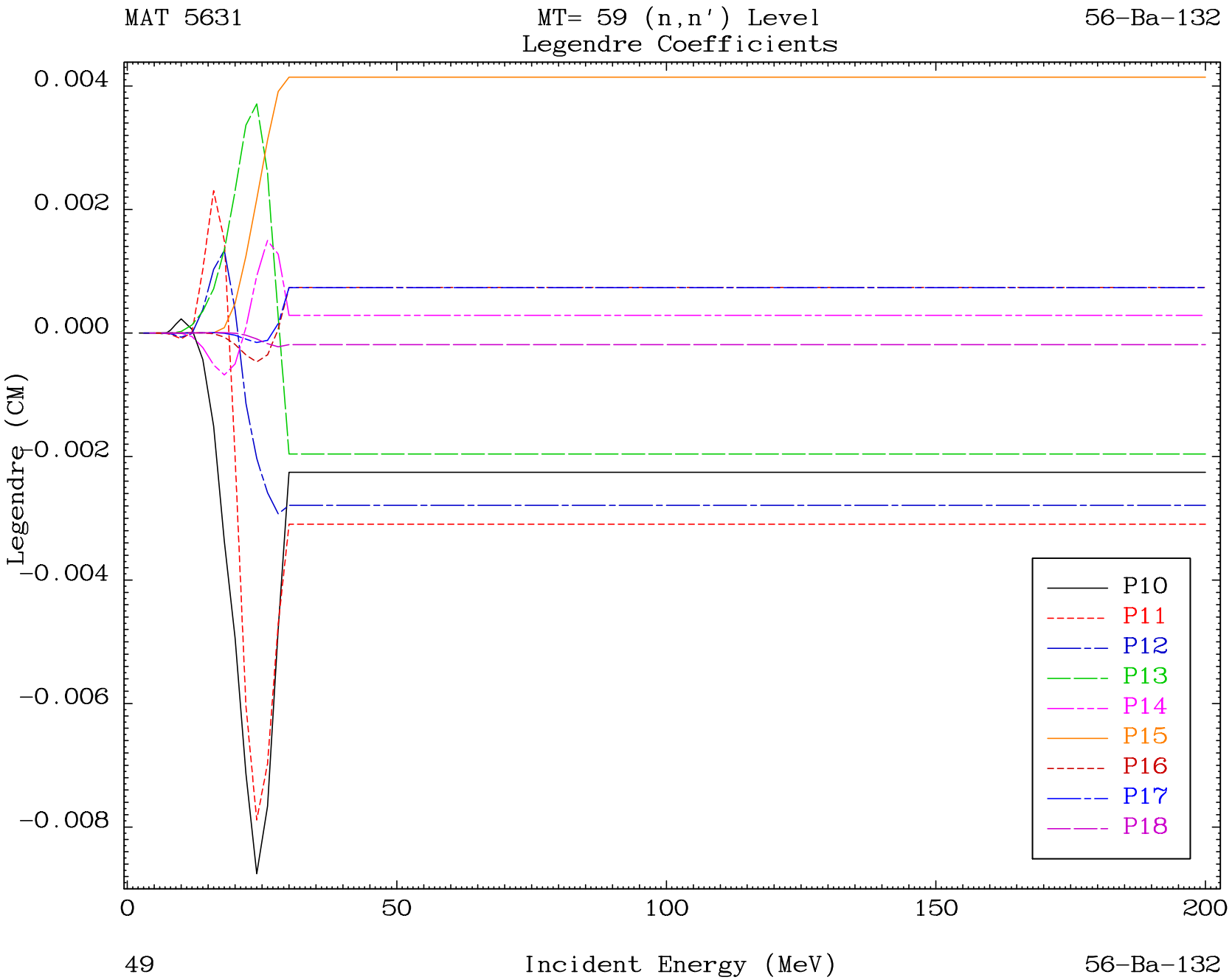

MAT 5631
MT= 58 (n,n') Level
Legendre Coefficients
56-Ba-132
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
44
Incident Energy (MeV)
56-Ba-132

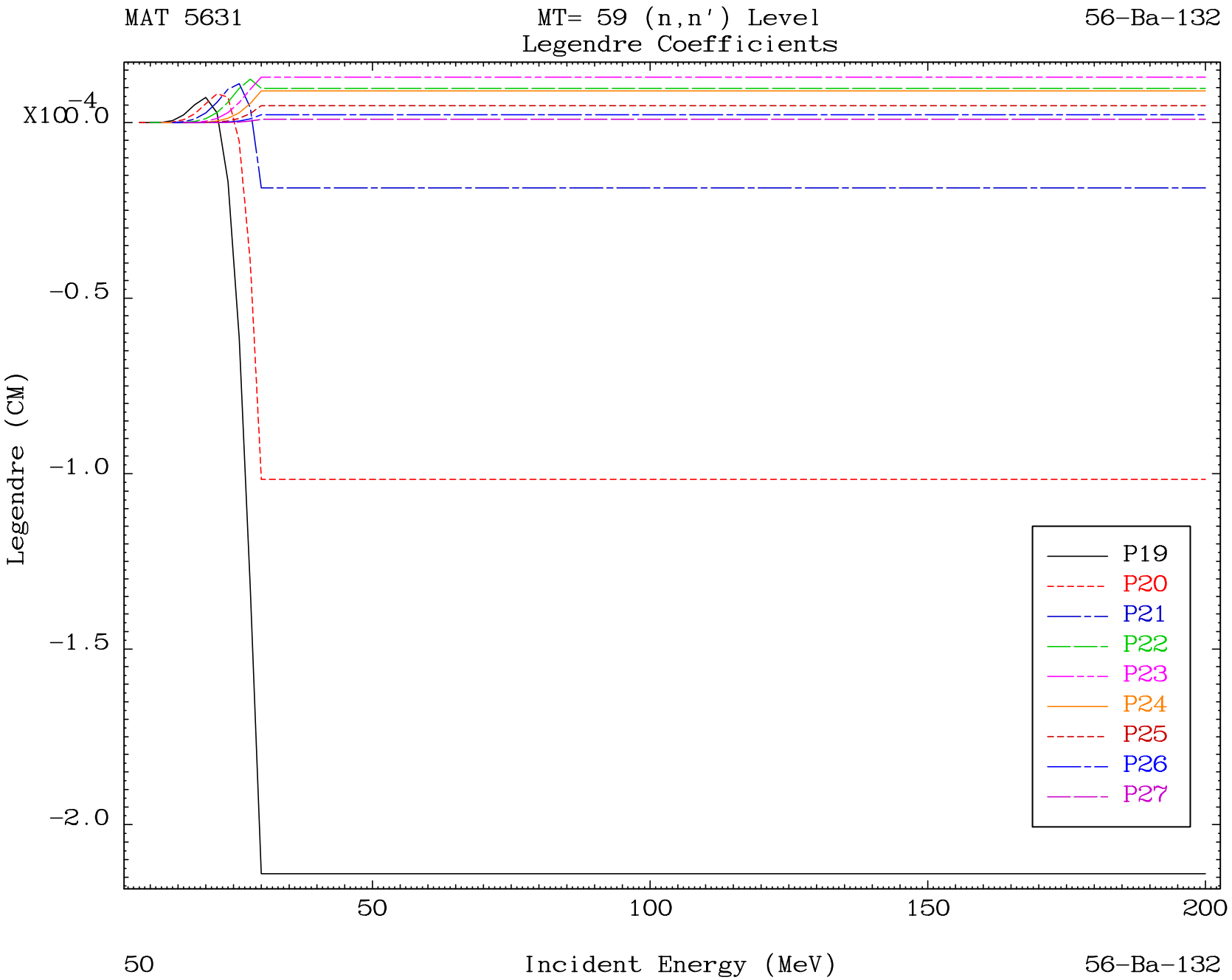

MAT 5631
MT= 58 (n,n') Level
Legendre Coefficients
56-Ba-132
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
45
Incident Energy (MeV)
56-Ba-132

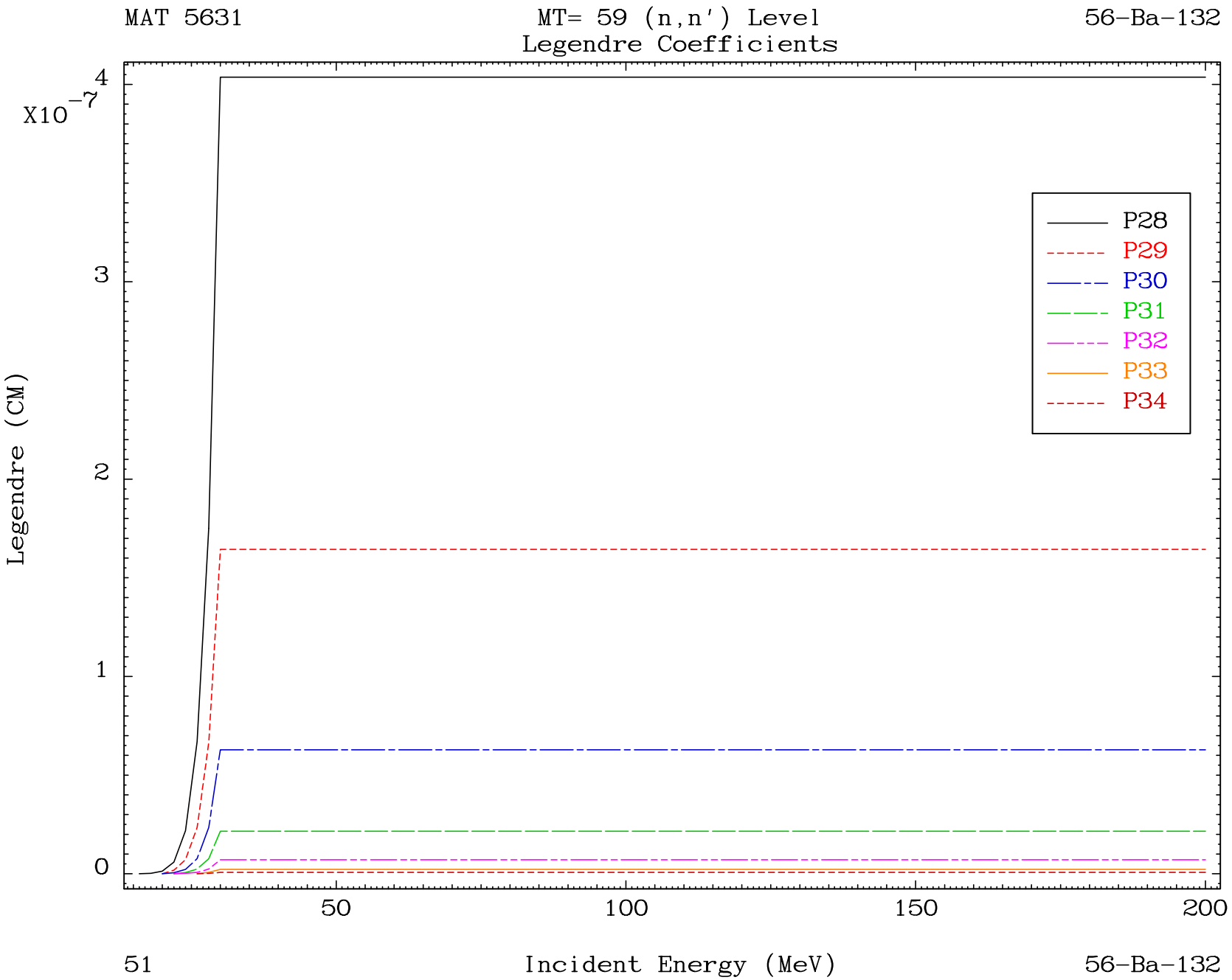

MAT 5631
MT= 58 (n,n') Level
Legendre Coefficients
56-Ba-132
X10^-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
46
Incident Energy (MeV)
56-Ba-132

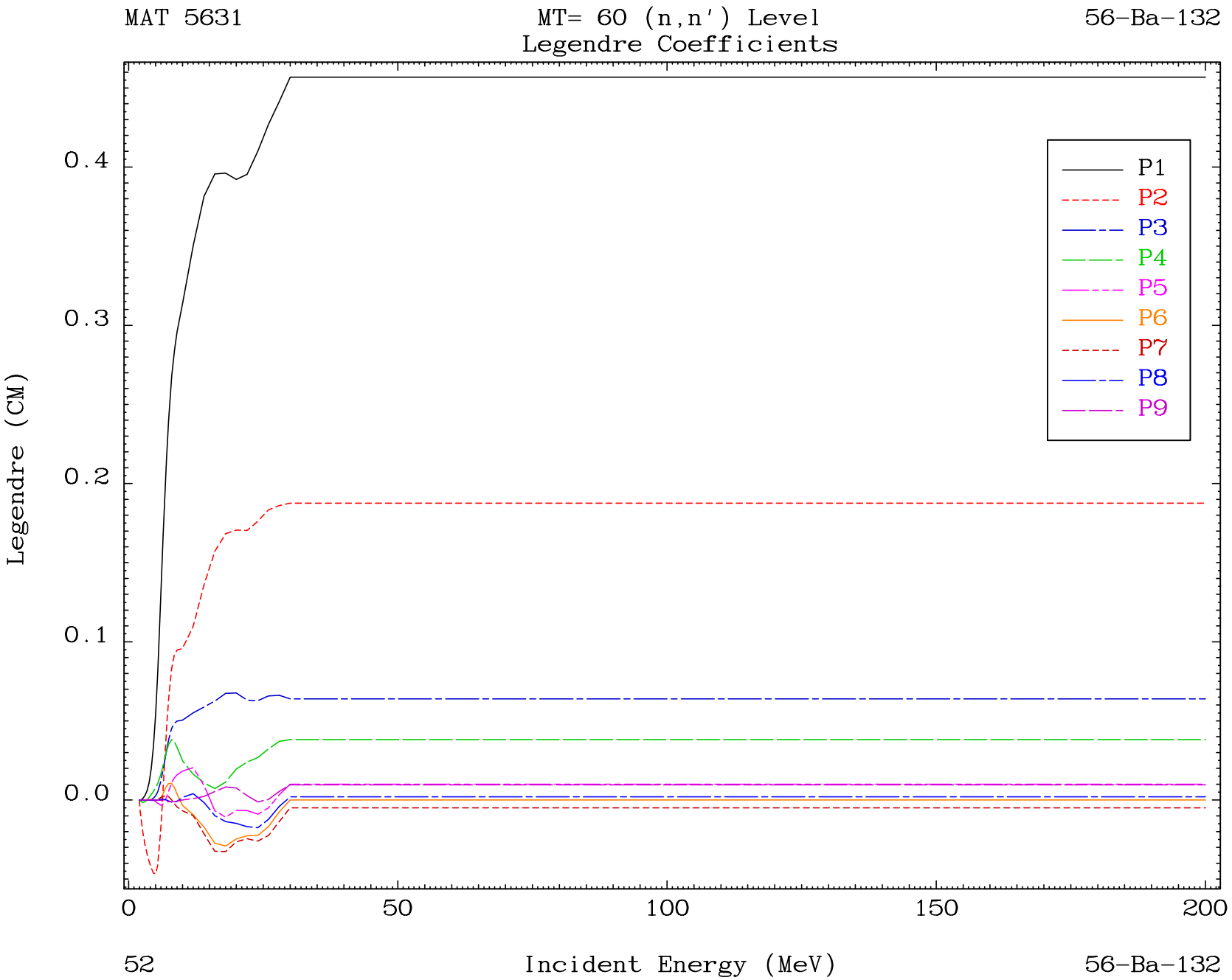

MAT 5631
MT= 58 (n,n') Level
Legendre Coefficients
56-Ba-132
X10 -6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
47
Incident Energy (MeV)
56-Ba-132

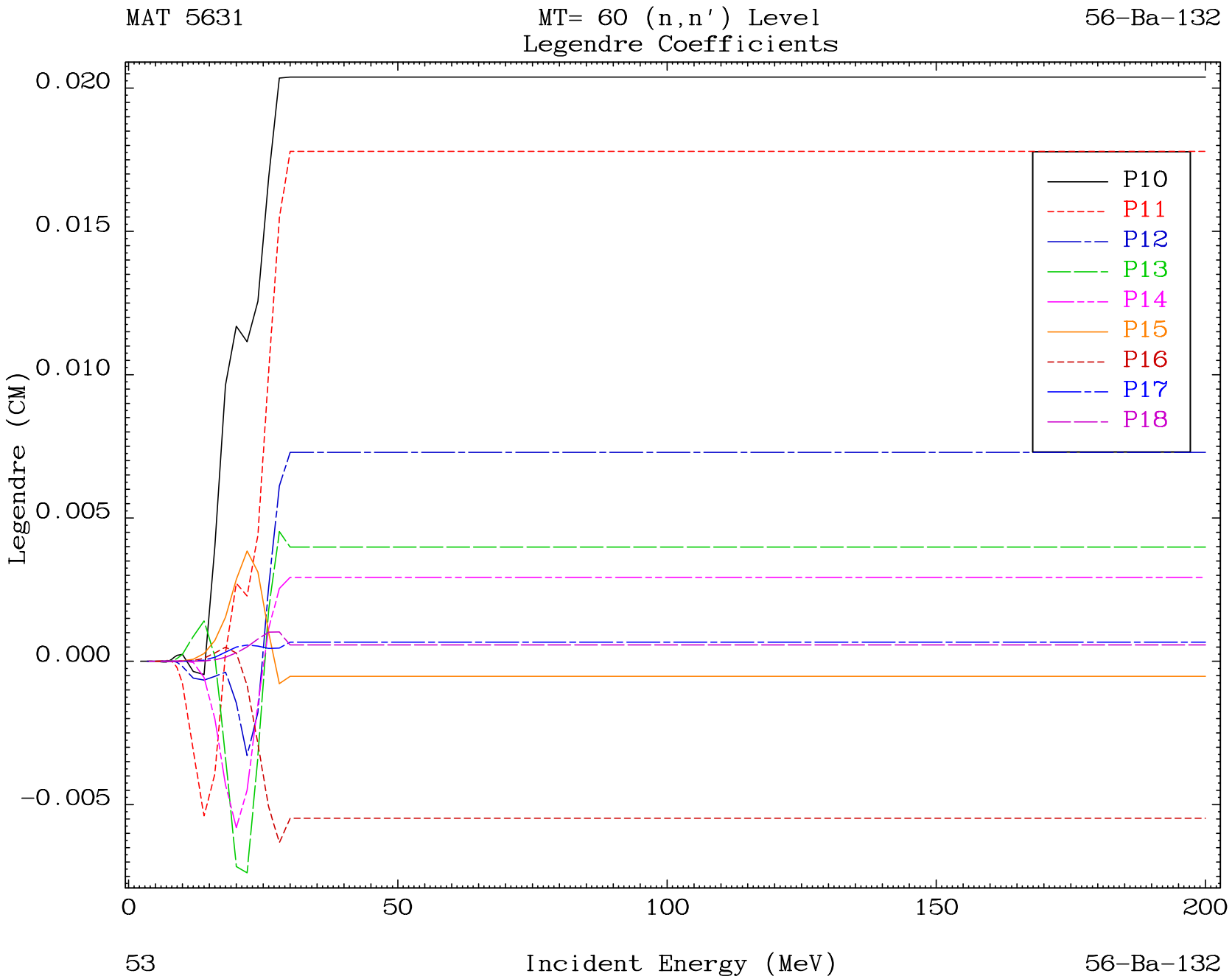

MAT 5631
MT= 59 (n,n') Level
Legendre Coefficients
56-Ba-132
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
48
Incident Energy (MeV)
56-Ba-132

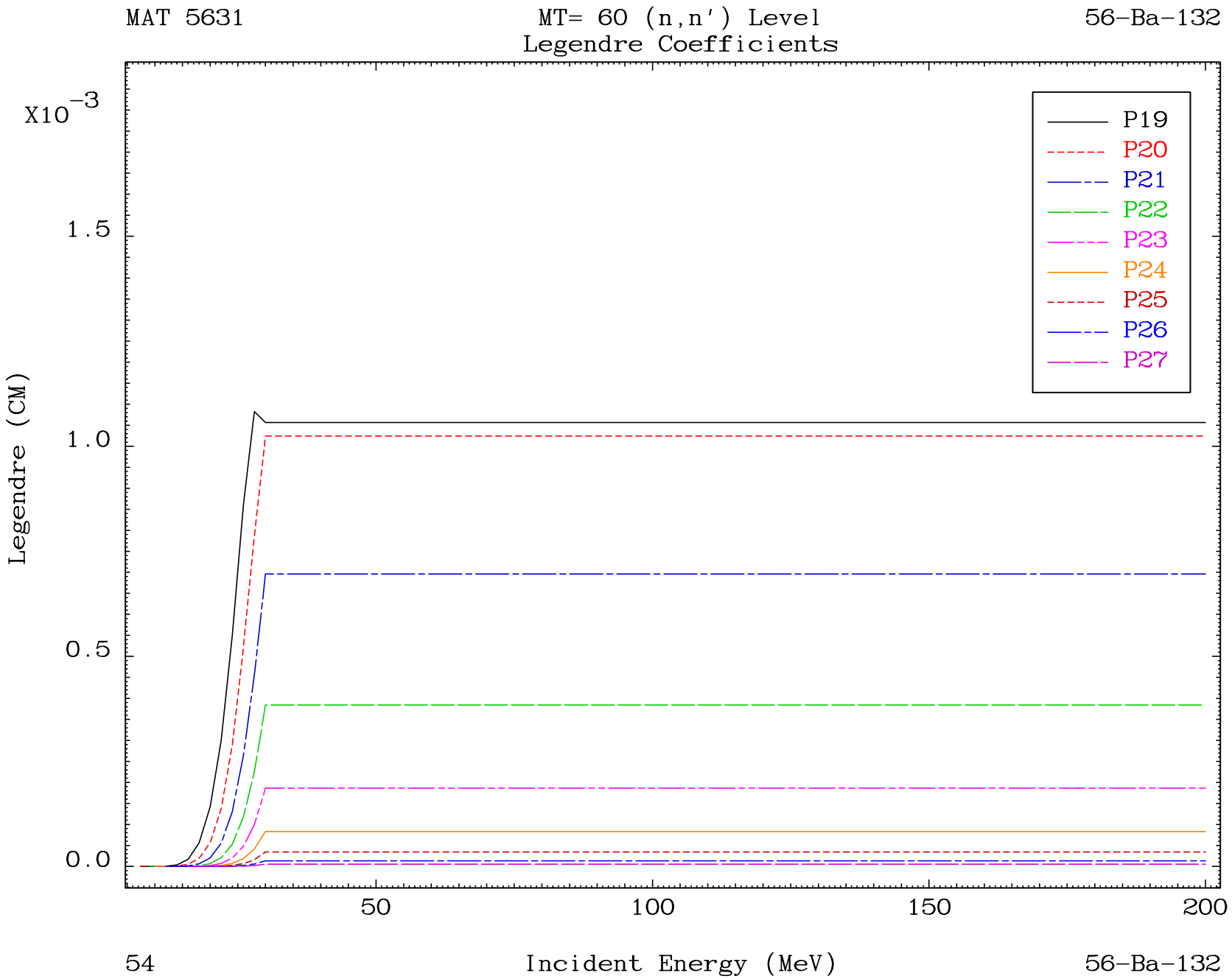

MAT 5631
MT= 59 (n,n') Level
Legendre Coefficients
56-Ba-132
0.004
0.002
0.000
−0.002
−0.004
−0.006
−0.008
Legendre (CM)
0
50
100
150
200
49
Incident Energy (MeV)
56-Ba-132
P10
P11
P12
P13
P14
P15
P16
P17
P18

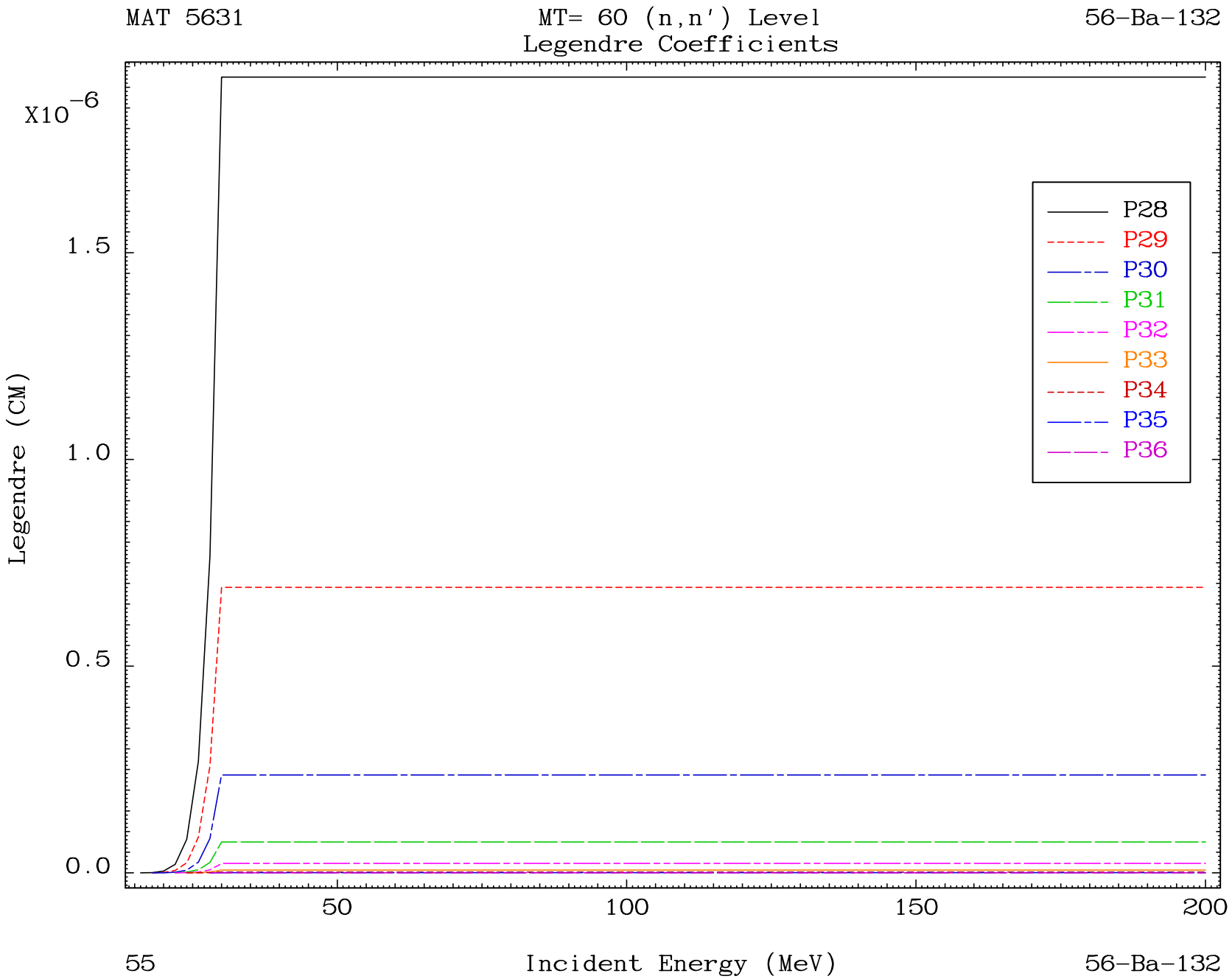

MAT 5631
MT= 59 (n,n') Level
Legendre Coefficients
56-Ba-132
X10^-4
0.0
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
50
Incident Energy (MeV)
56-Ba-132
P19
P20
P21
P22
P23
P24
P25
P26
P27

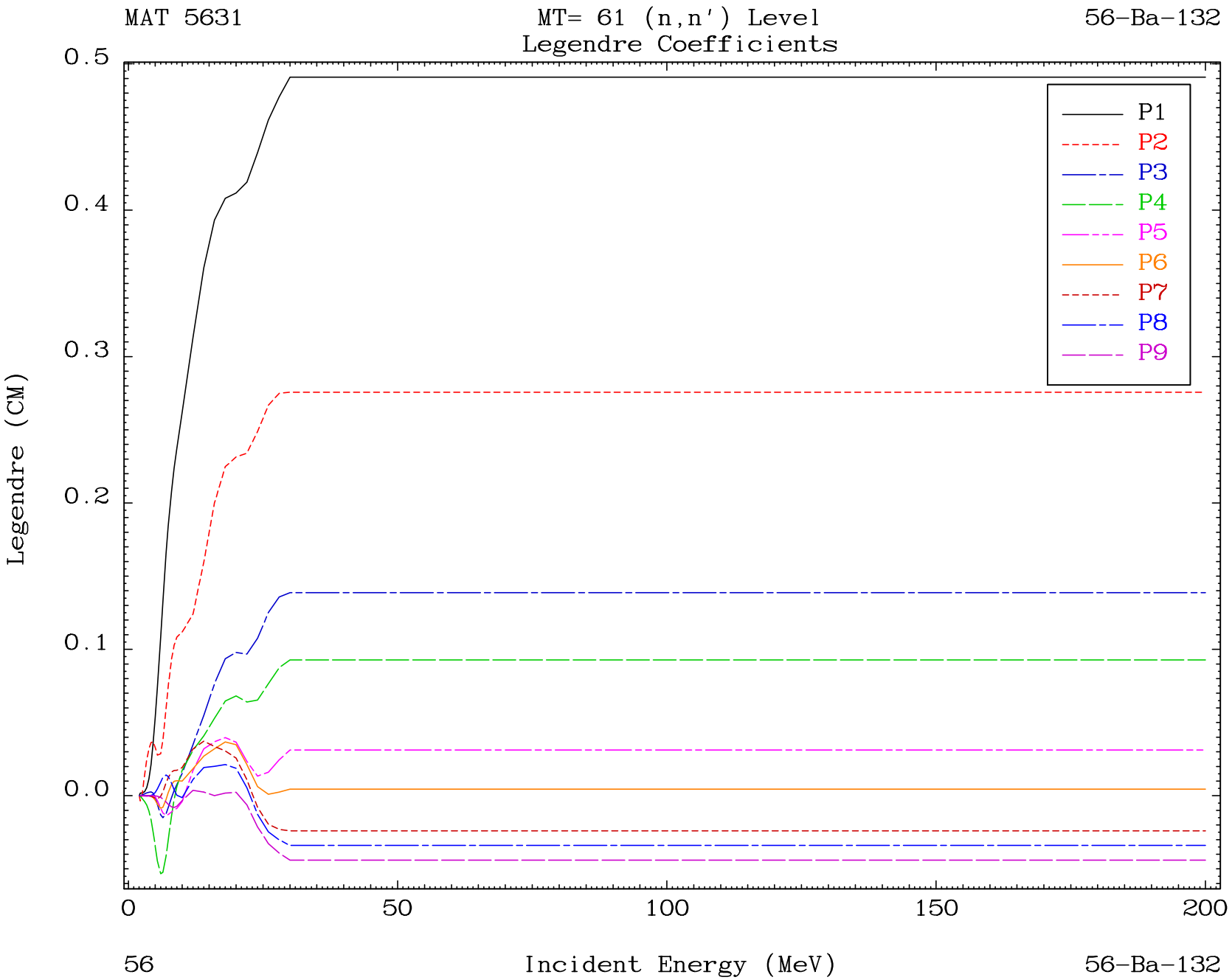

MAT 5631
MT= 59 (n,n') Level
Legendre Coefficients
56-Ba-132
X10-7
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
51
Incident Energy (MeV)
56-Ba-132

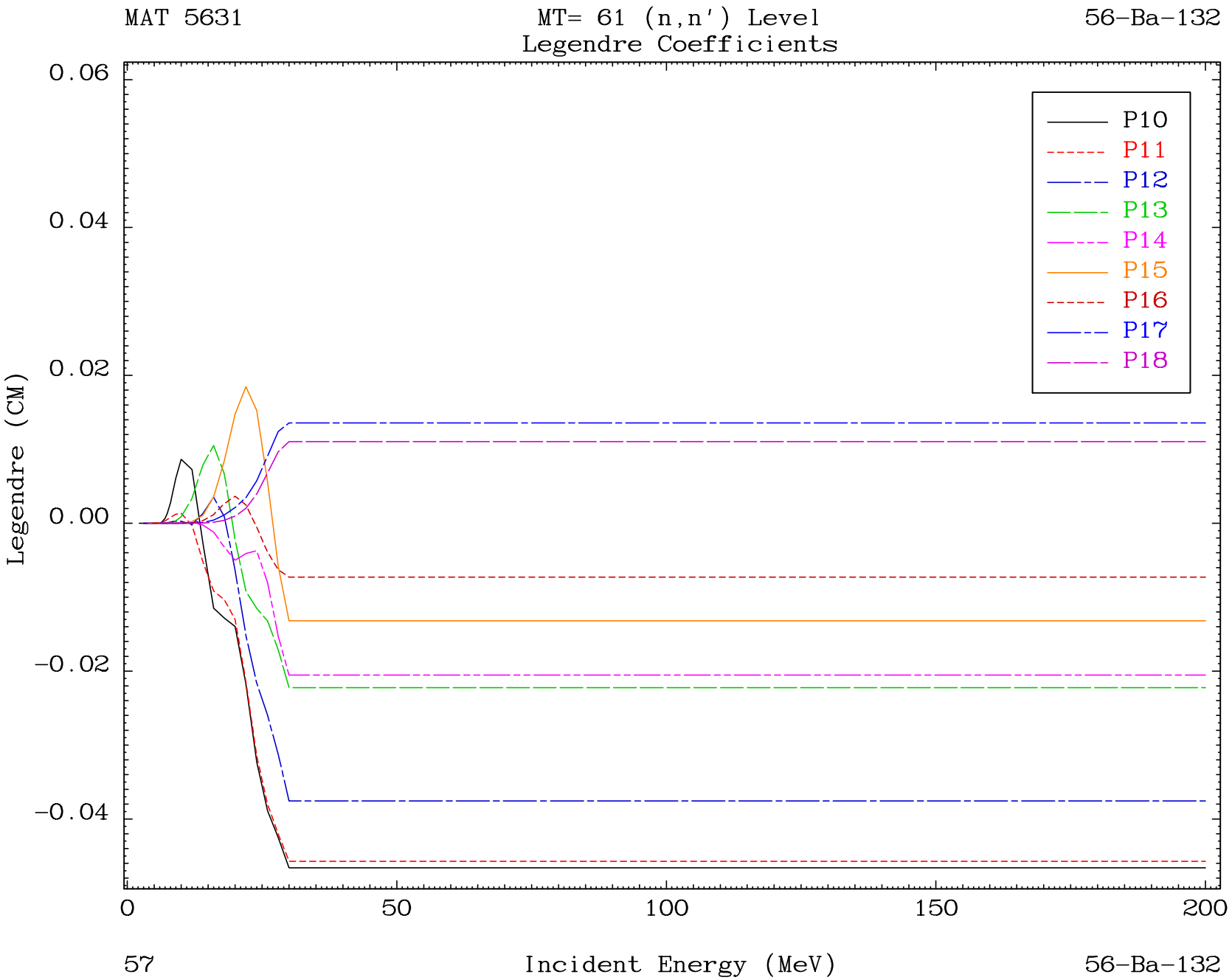

MAT 5631
MT= 60 (n,n') Level
Legendre Coefficients
56-Ba-132
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
52
Incident Energy (MeV)
56-Ba-132

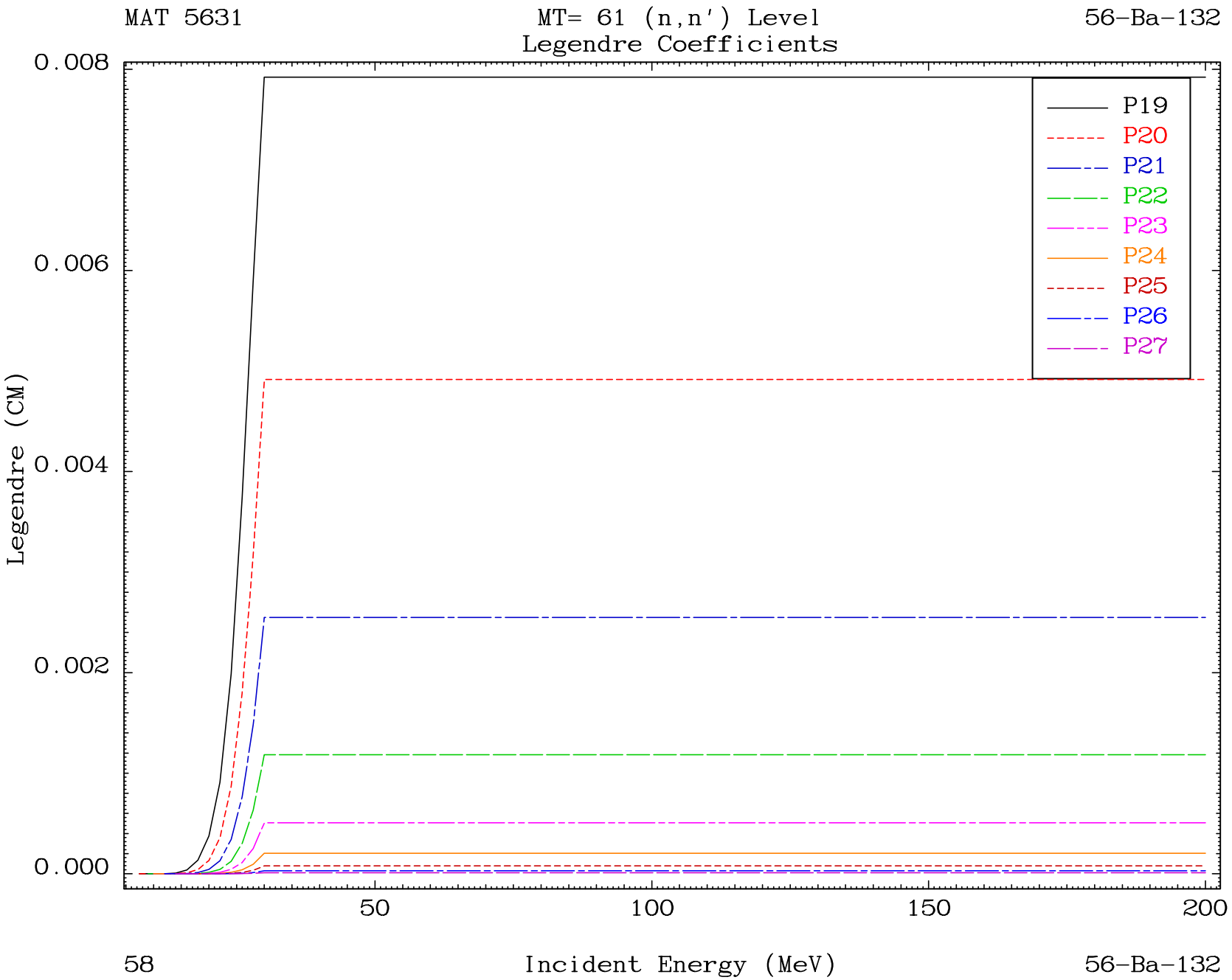

MAT 5631
MT= 60 (n,n') Level
Legendre Coefficients
56-Ba-132
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
53
Incident Energy (MeV)
56-Ba-132

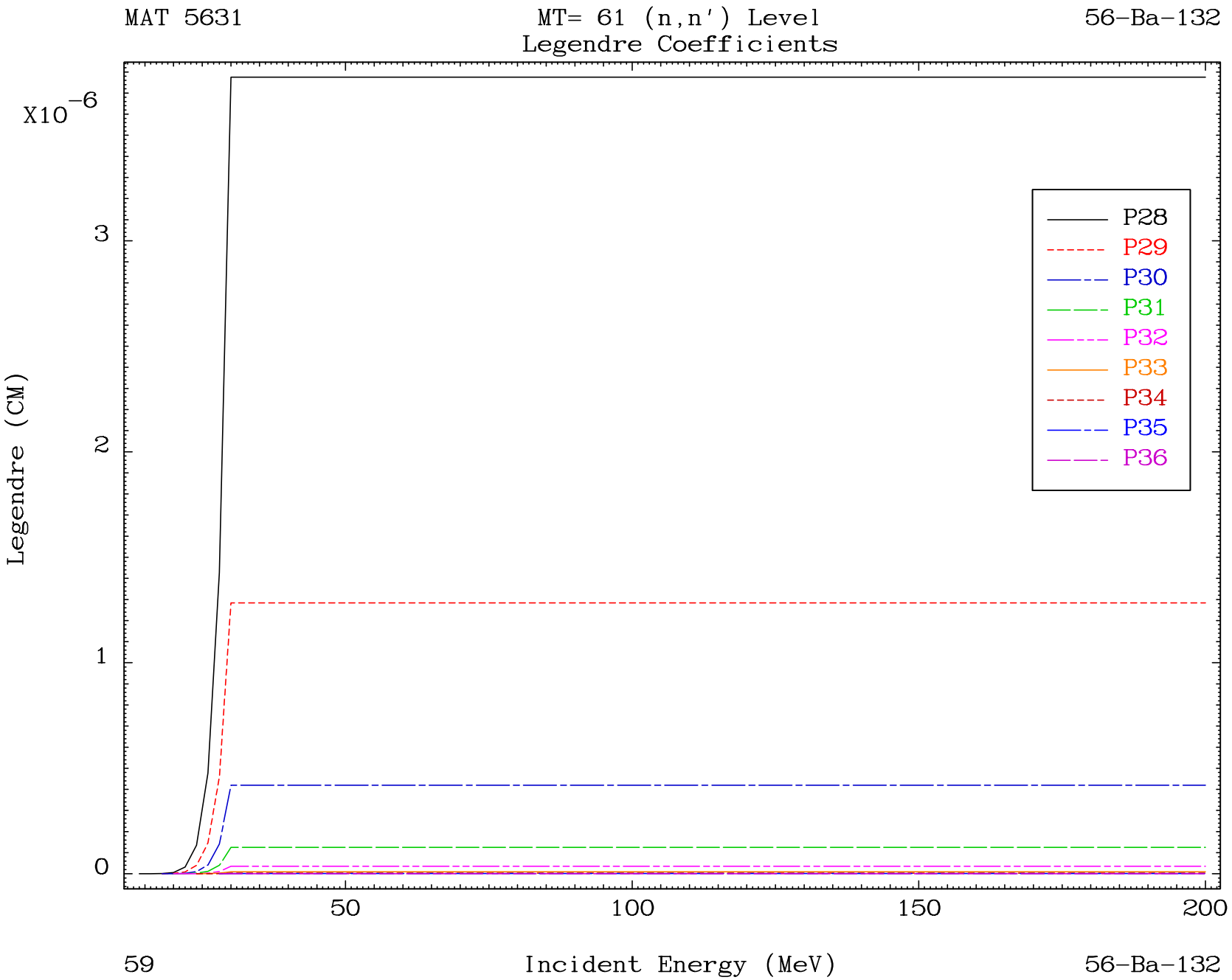

MAT 5631
MT= 60 (n,n') Level
Legendre Coefficients
56-Ba-132
X10^-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
54
Incident Energy (MeV)
56-Ba-132

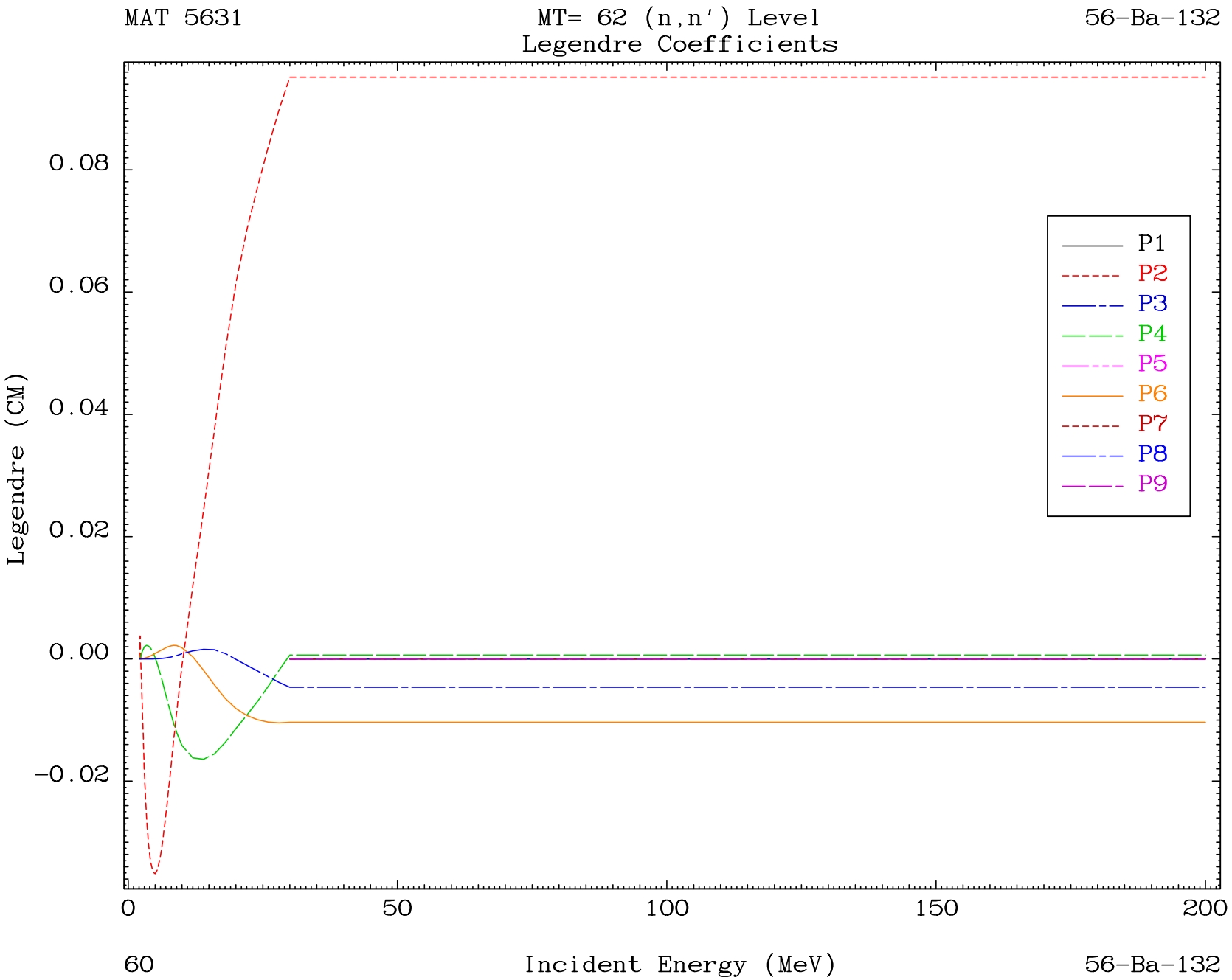

MAT 5631
MT= 60 (n,n') Level
Legendre Coefficients
56-Ba-132
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
55
Incident Energy (MeV)
56-Ba-132

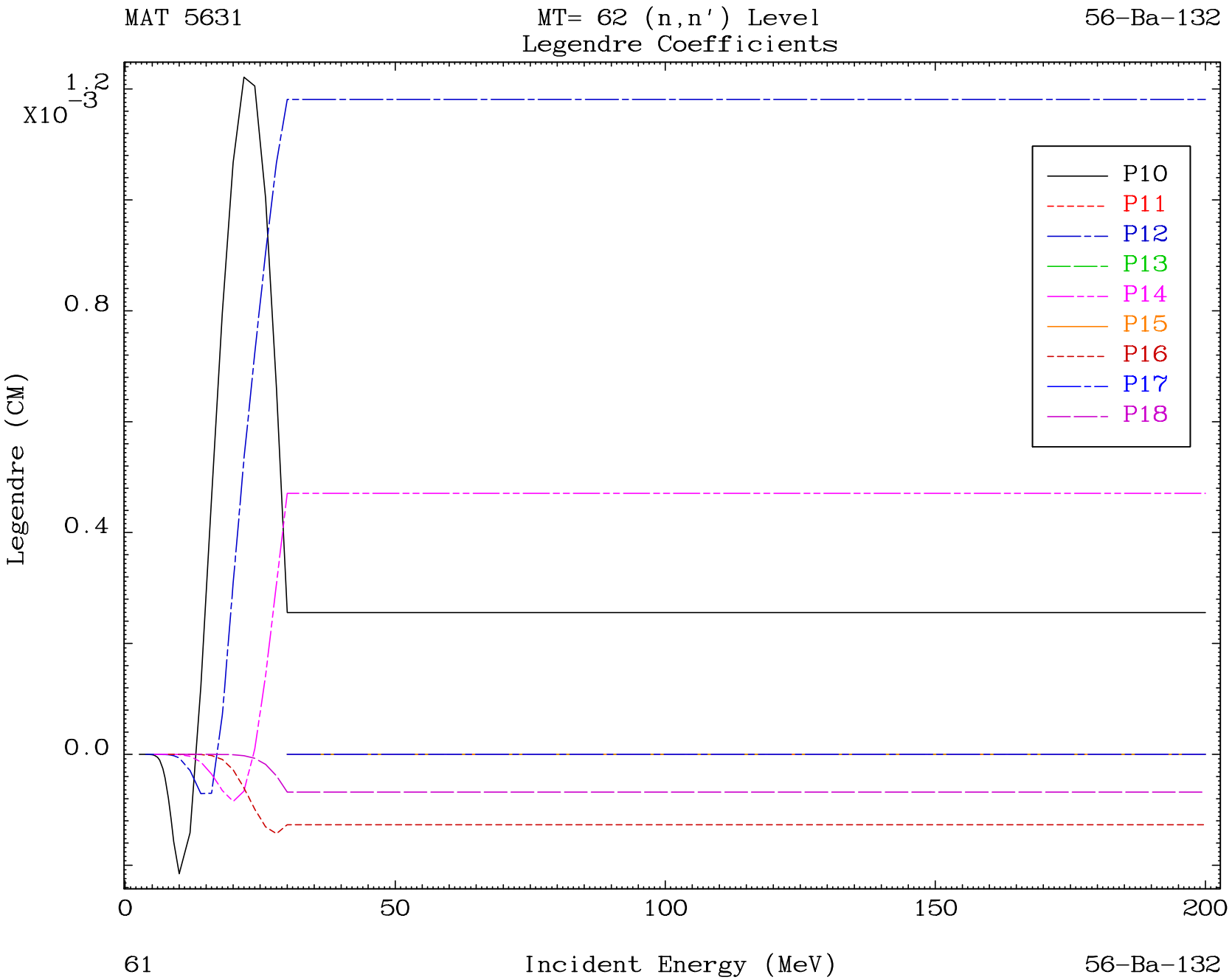

MAT 5631
MT= 61 (n,n') Level
Legendre Coefficients
56-Ba-132
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
56
Incident Energy (MeV)
56-Ba-132

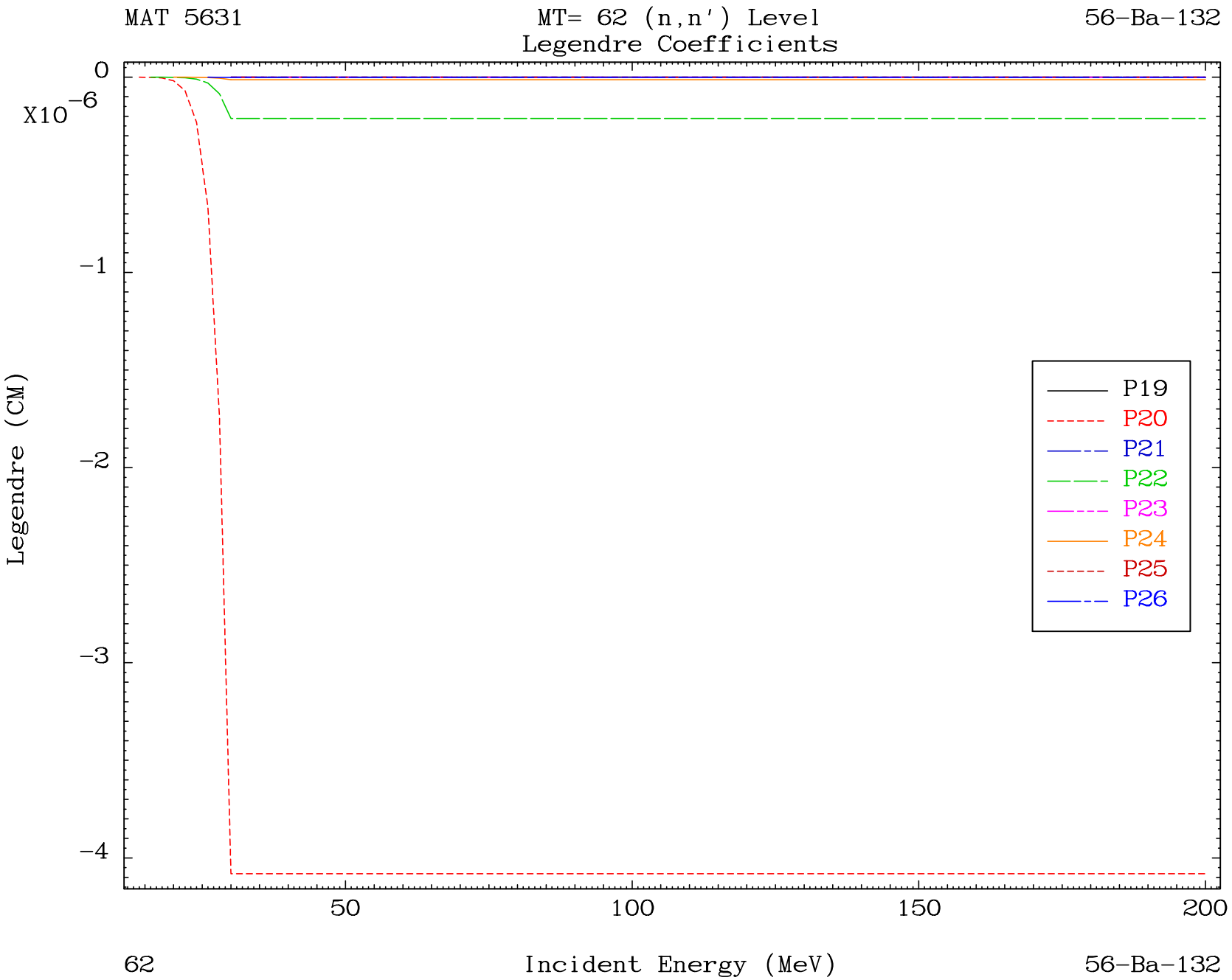

MAT 5631
MT= 61 (n,n') Level
Legendre Coefficients
56-Ba-132
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
57
Incident Energy (MeV)
56-Ba-132

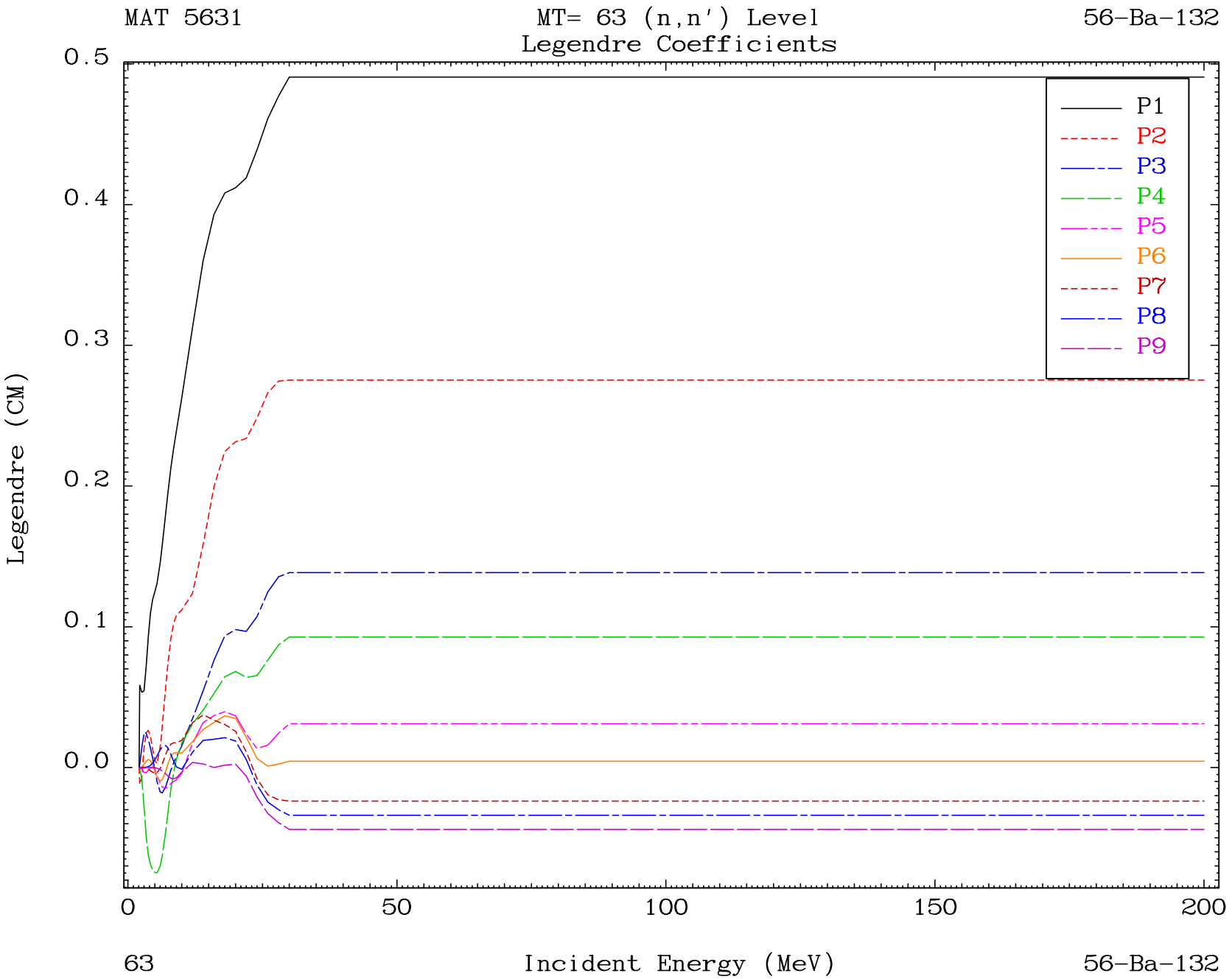

MAT 5631
MT= 61 (n,n') Level
Legendre Coefficients
56-Ba-132
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
58
Incident Energy (MeV)
56-Ba-132

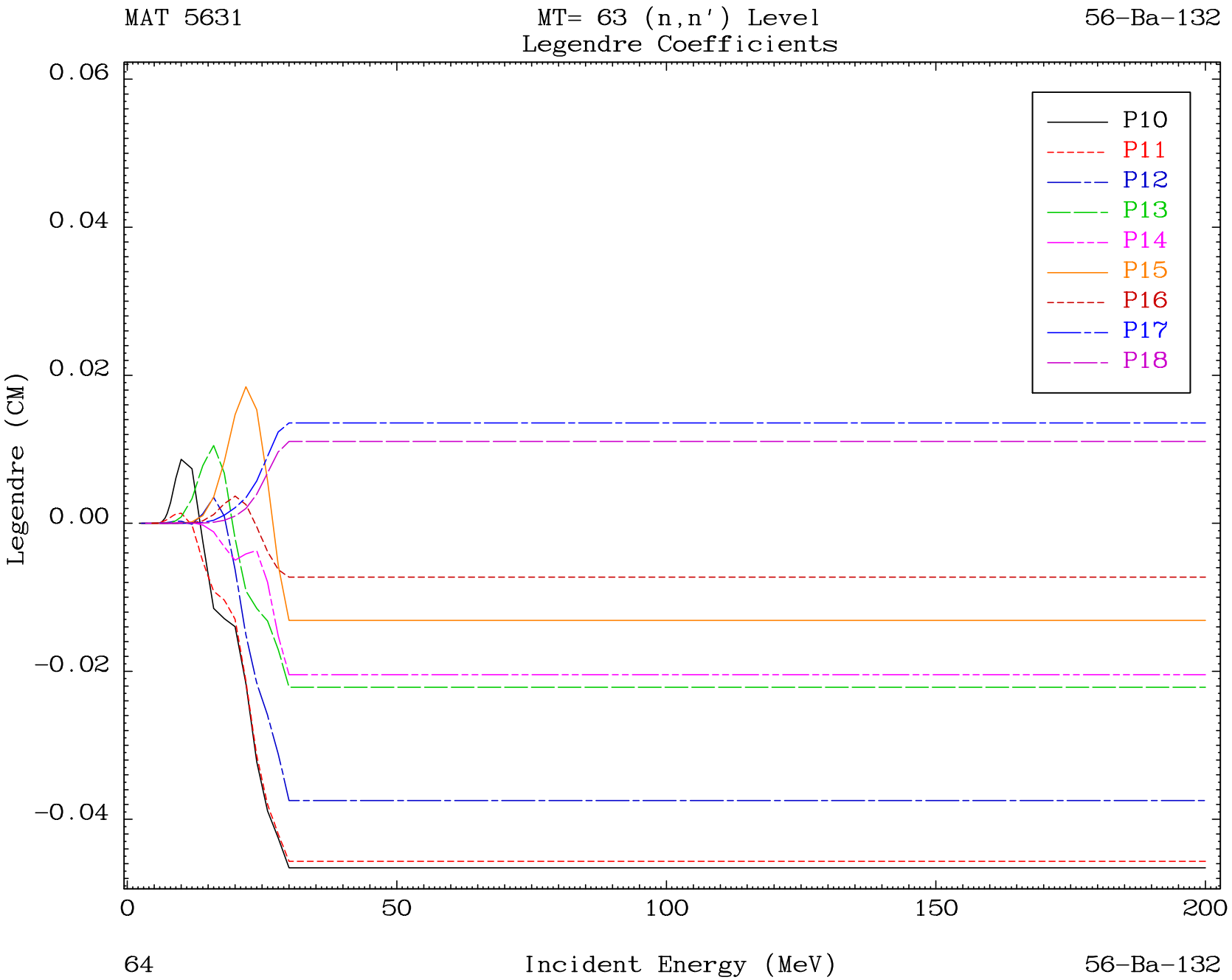

MAT 5631
MT= 61 (n,n') Level
Legendre Coefficients
56-Ba-132
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
59
Incident Energy (MeV)
56-Ba-132

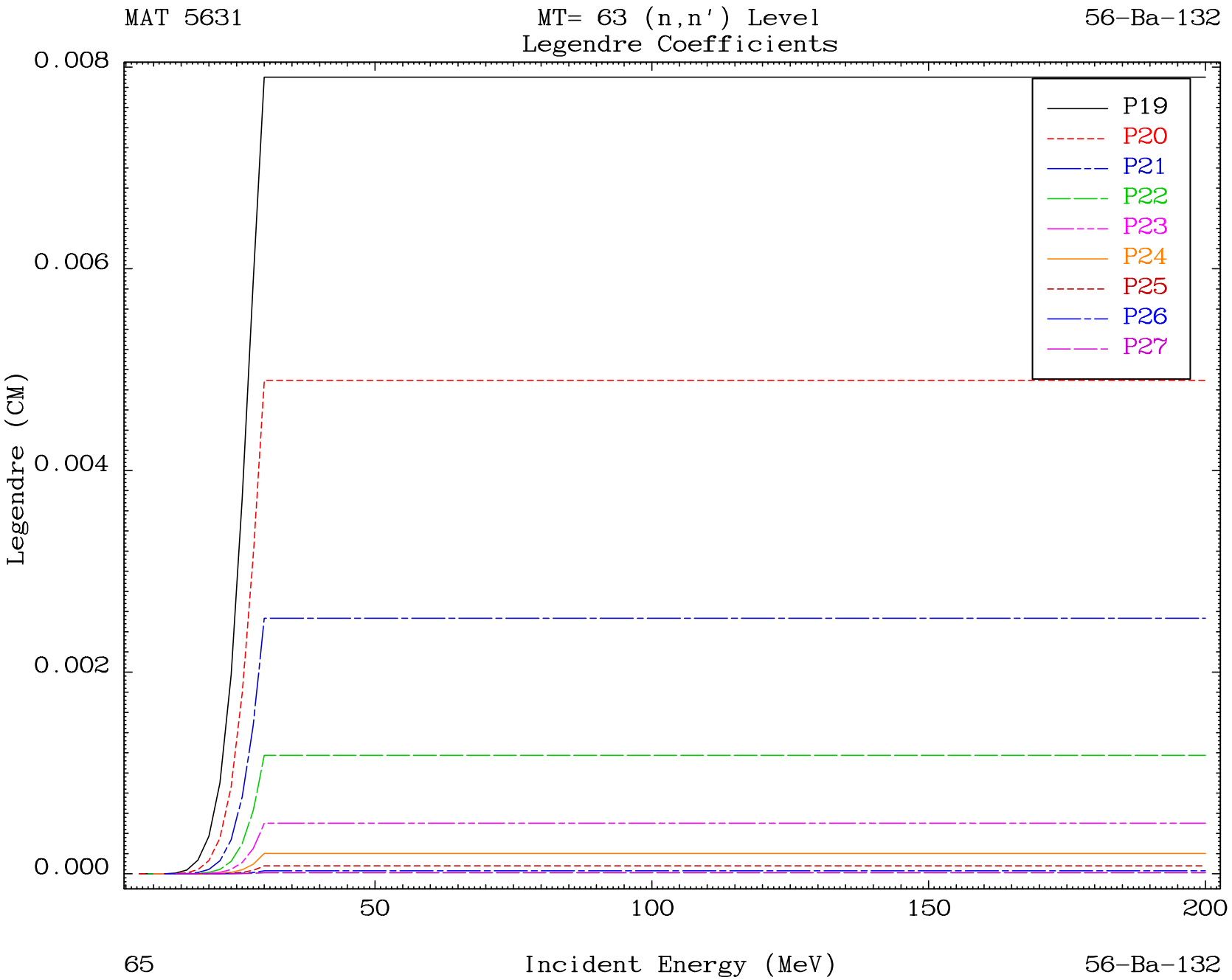

MAT 5631
MT= 62 (n,n') Level
Legendre Coefficients
56-Ba-132
0.08
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
60
Incident Energy (MeV)
56-Ba-132

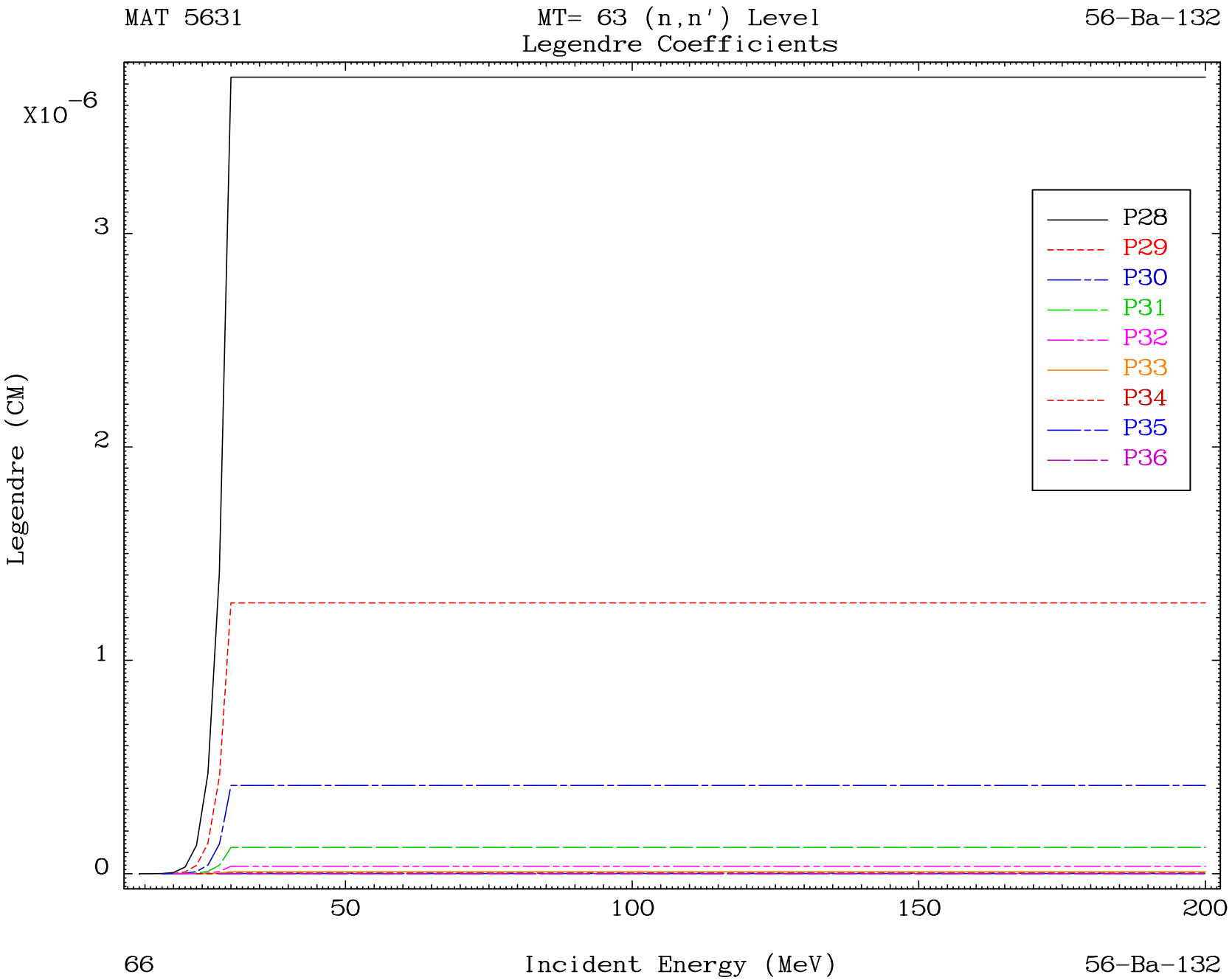

MAT 5631
MT= 62 (n,n') Level
Legendre Coefficients
56-Ba-132
X10 -3
1.2
0.8
0.4
0.0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
61
Incident Energy (MeV)
56-Ba-132

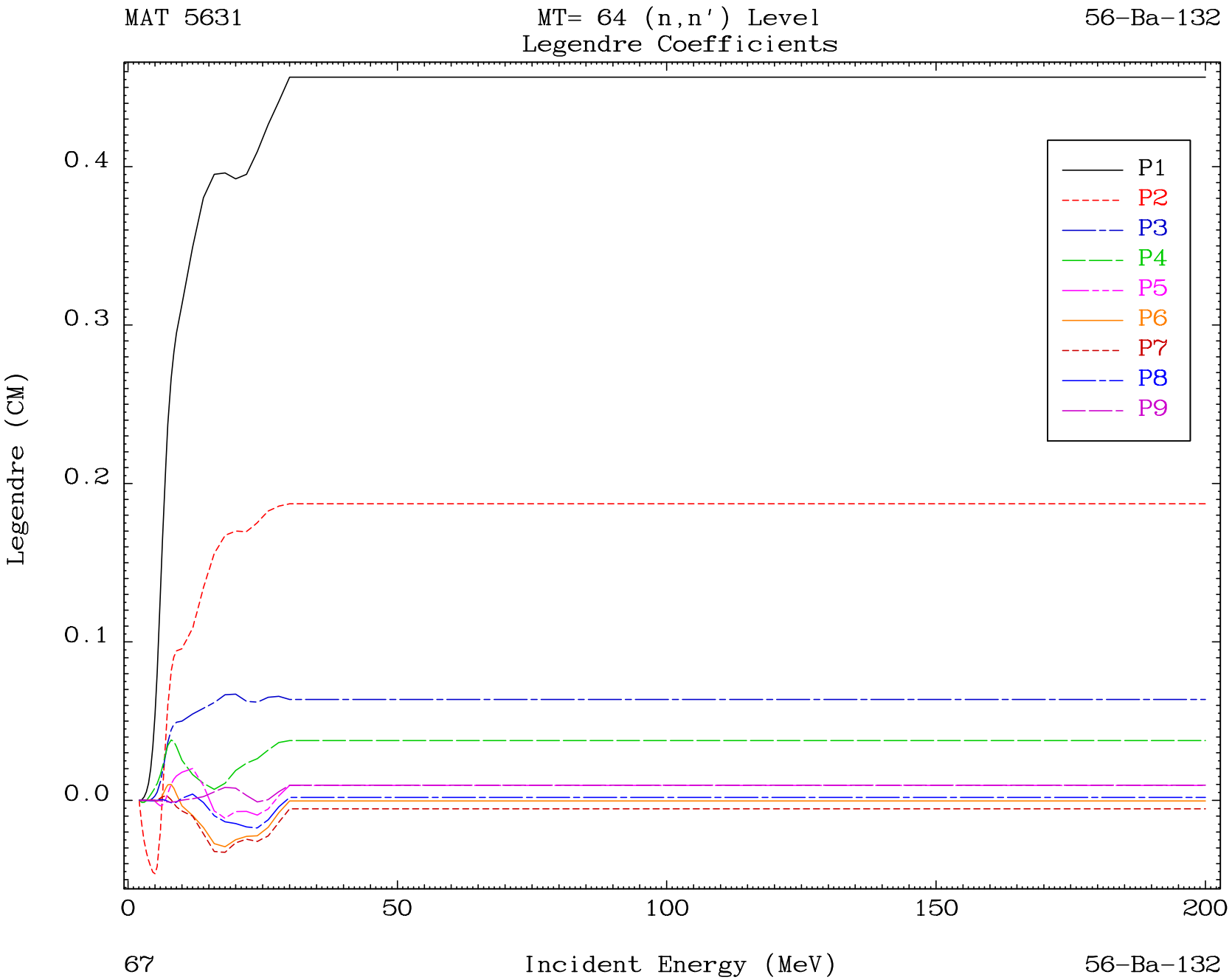

MAT 5631
MT= 62 (n,n') Level
Legendre Coefficients
56-Ba-132
0
X10−6
−1
−2
−3
−4
Legendre (CM)
50
100
150
200
62
Incident Energy (MeV)
56-Ba-132
P19
P20
P21
P22
P23
P24
P25
P26

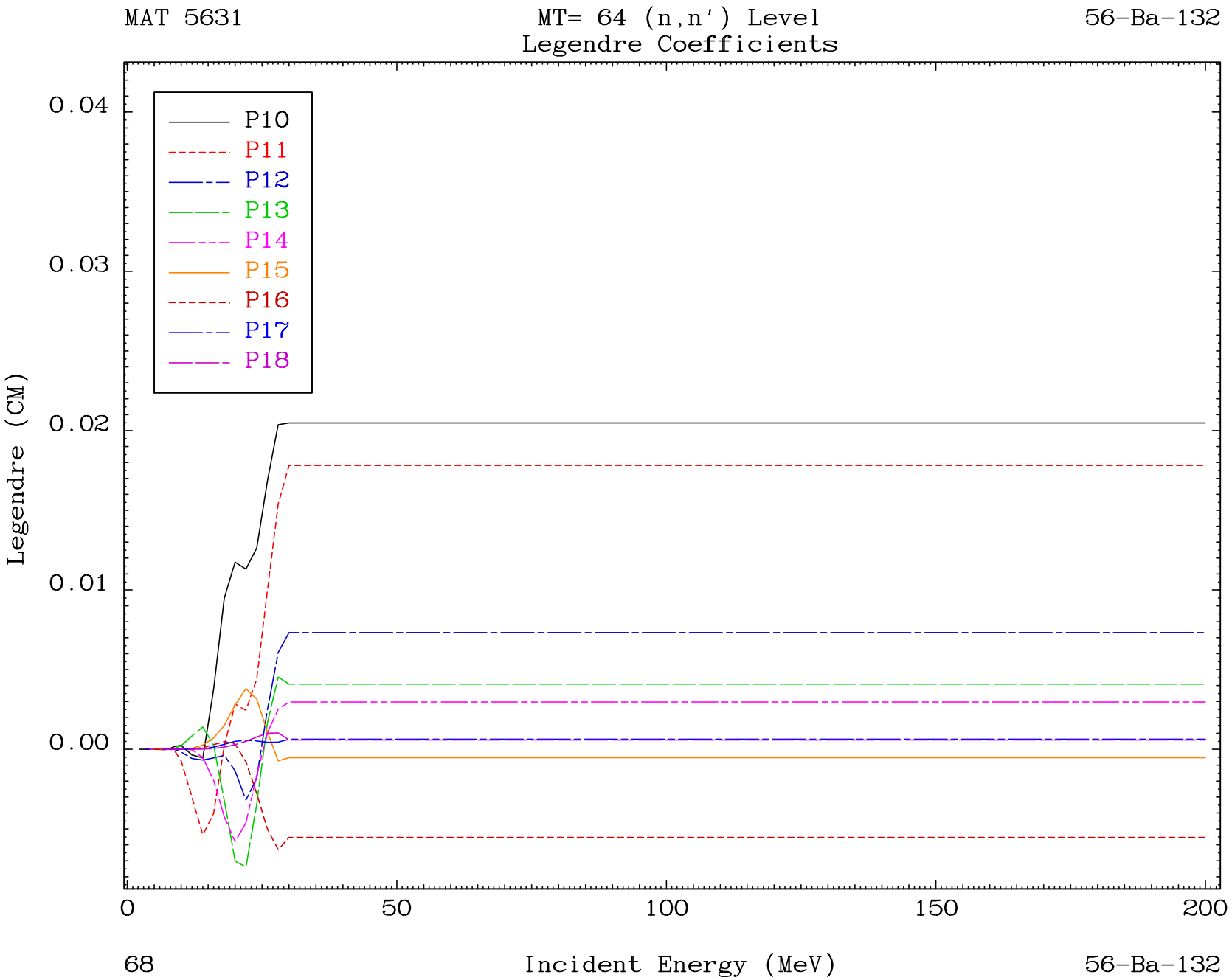

MAT 5631
MT= 63 (n,n') Level
Legendre Coefficients
56-Ba-132
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
63
Incident Energy (MeV)
56-Ba-132

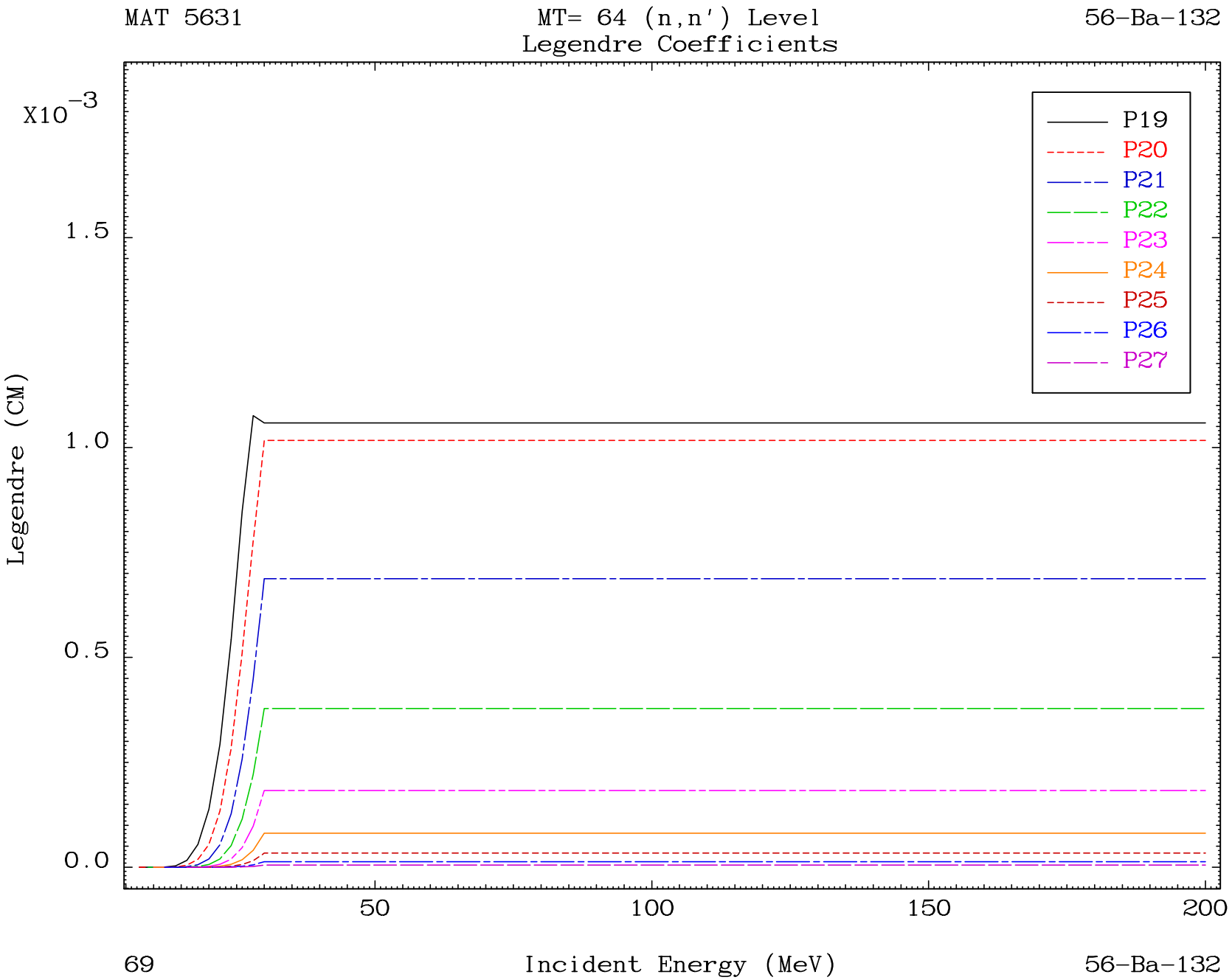

MAT 5631
MT= 63 (n,n') Level
Legendre Coefficients
56-Ba-132
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
64
Incident Energy (MeV)
56-Ba-132

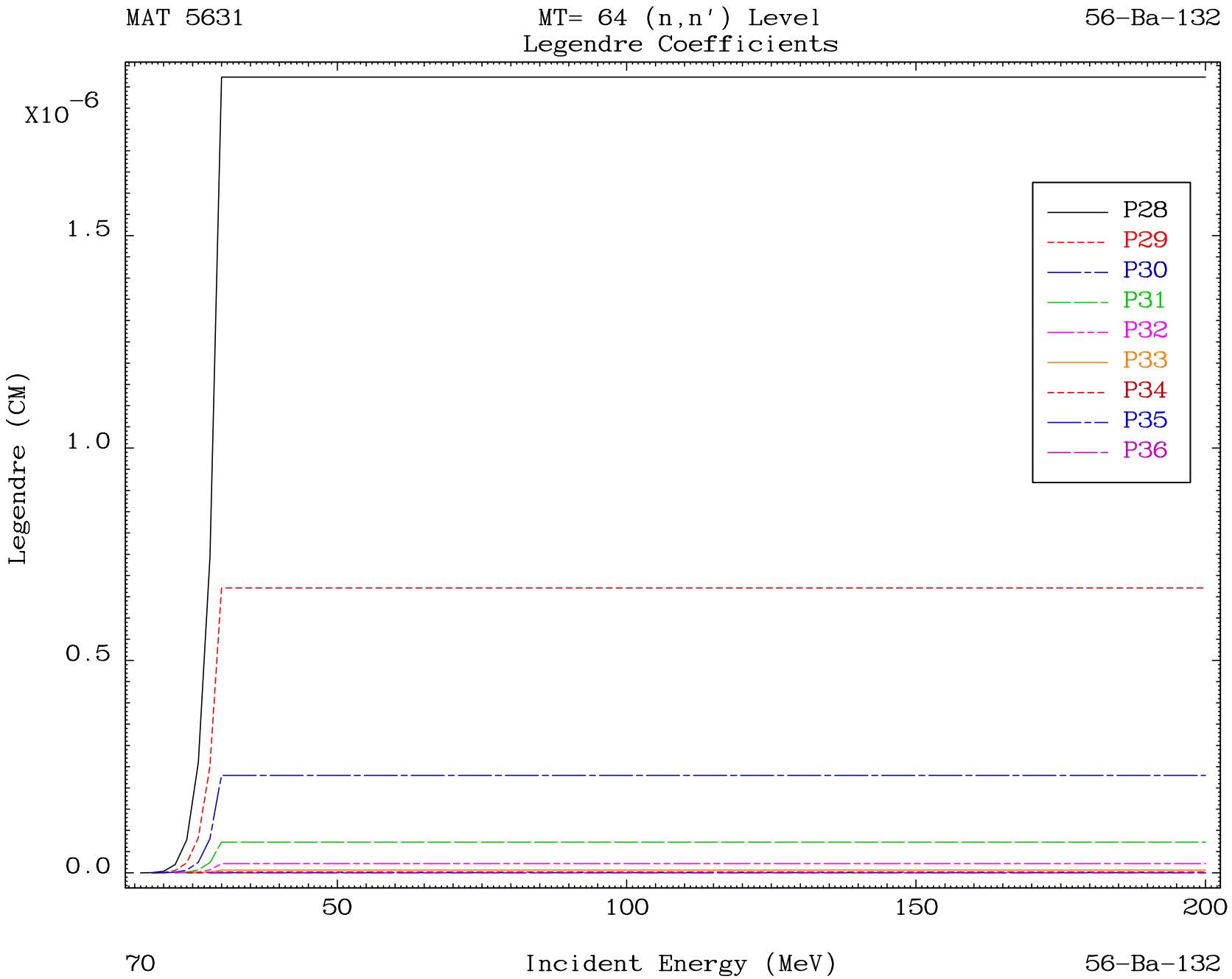

MAT 5631
MT= 63 (n,n') Level
Legendre Coefficients
56-Ba-132
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
65
Incident Energy (MeV)
56-Ba-132

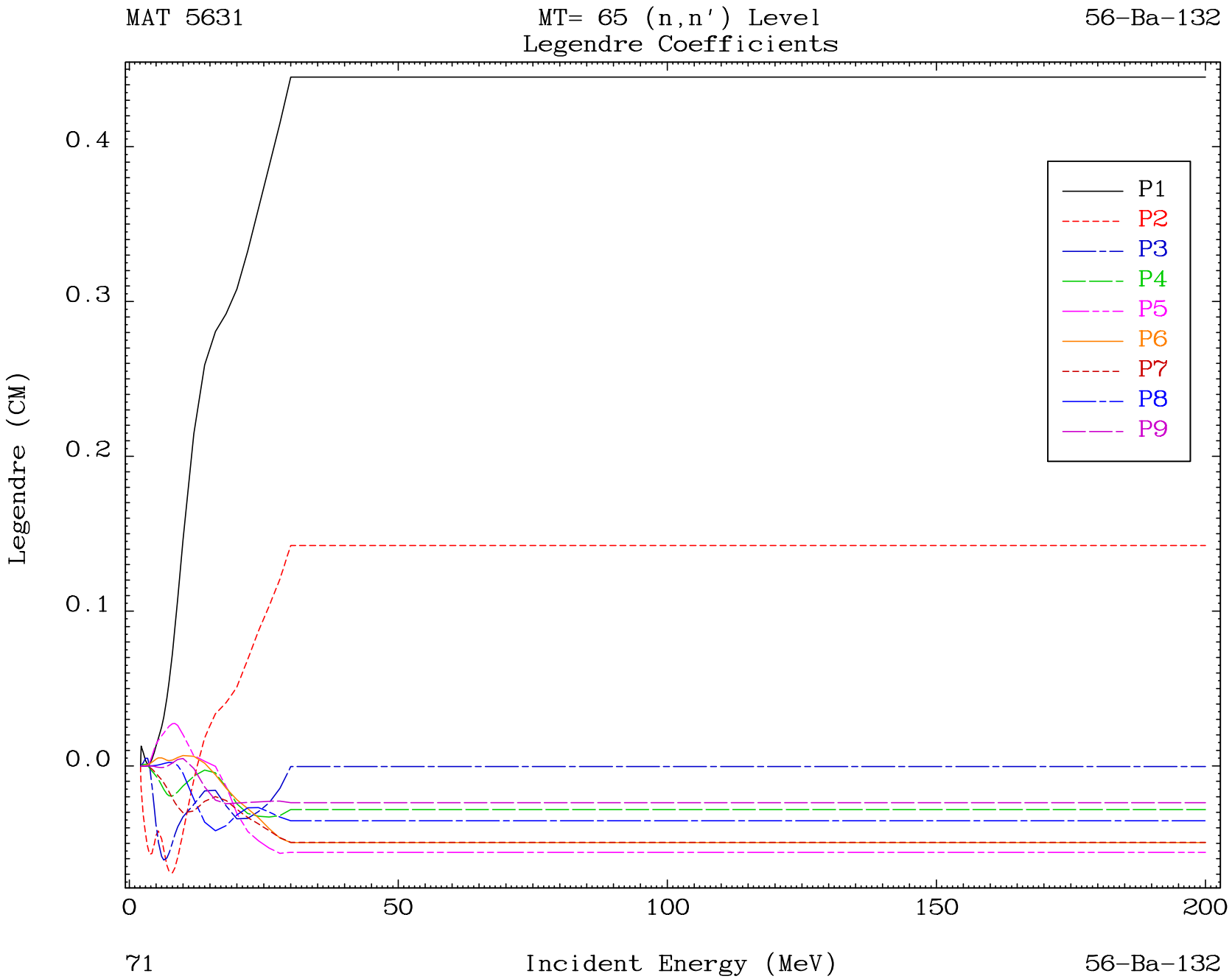

MAT 5631
MT= 63 (n,n') Level
Legendre Coefficients
56-Ba-132
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
66
Incident Energy (MeV)
56-Ba-132

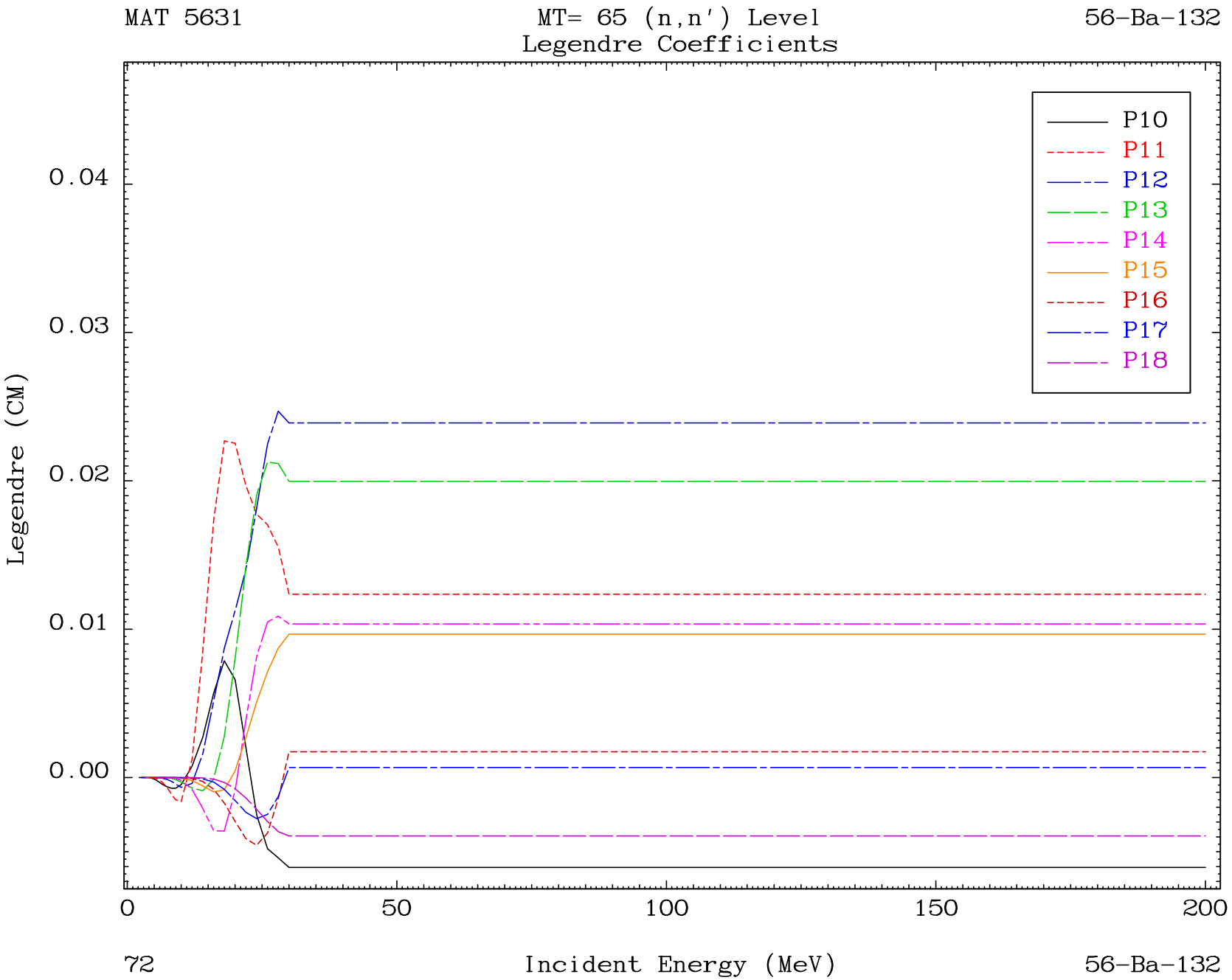

MAT 5631
MT= 64 (n,n') Level
Legendre Coefficients
56-Ba-132
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
67
Incident Energy (MeV)
56-Ba-132

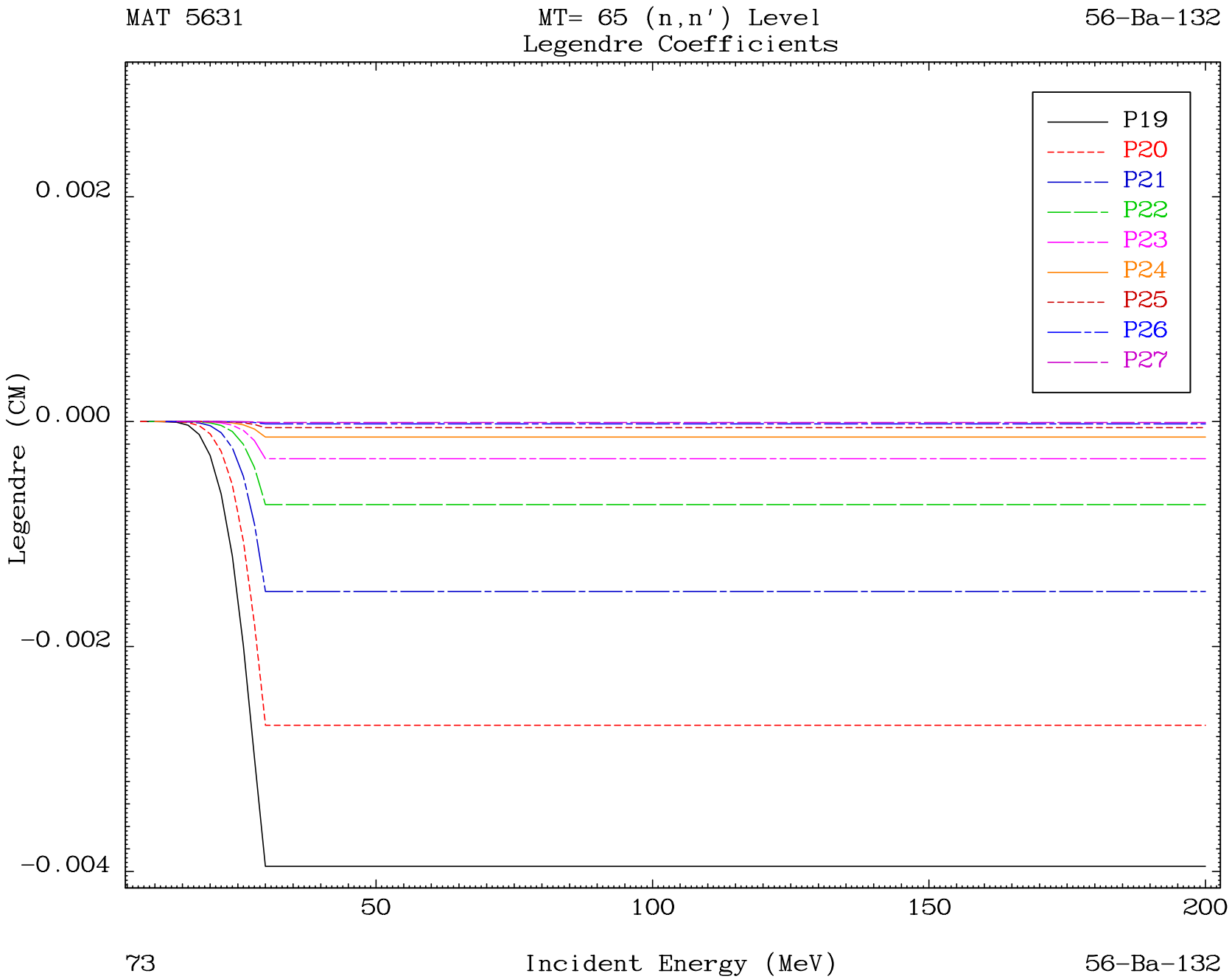

MAT 5631
MT= 64 (n,n') Level
Legendre Coefficients
56-Ba-132
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
68
Incident Energy (MeV)
56-Ba-132

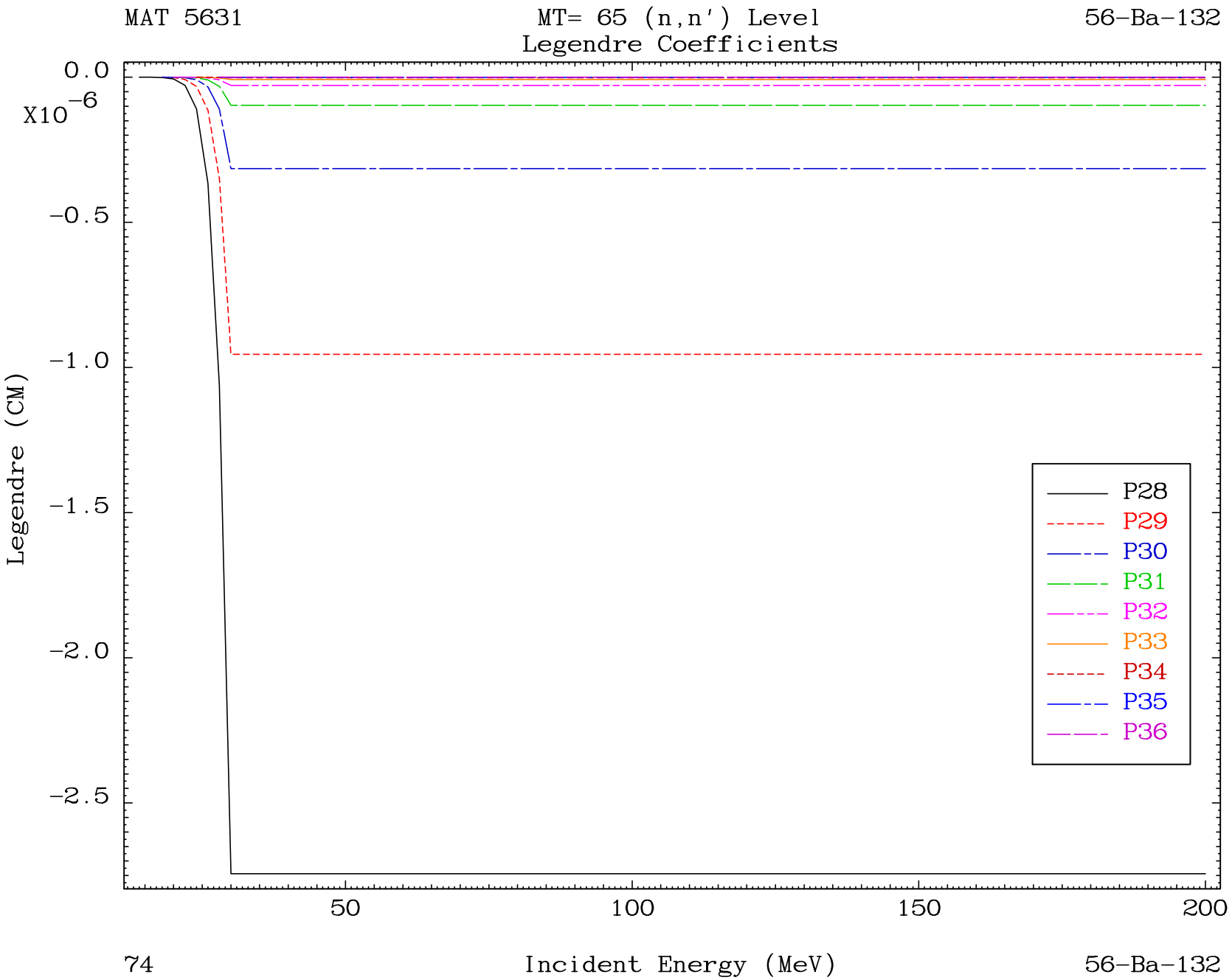

MAT 5631
MT= 64 (n,n') Level
Legendre Coefficients
56-Ba-132
X10^-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
69
Incident Energy (MeV)
56-Ba-132

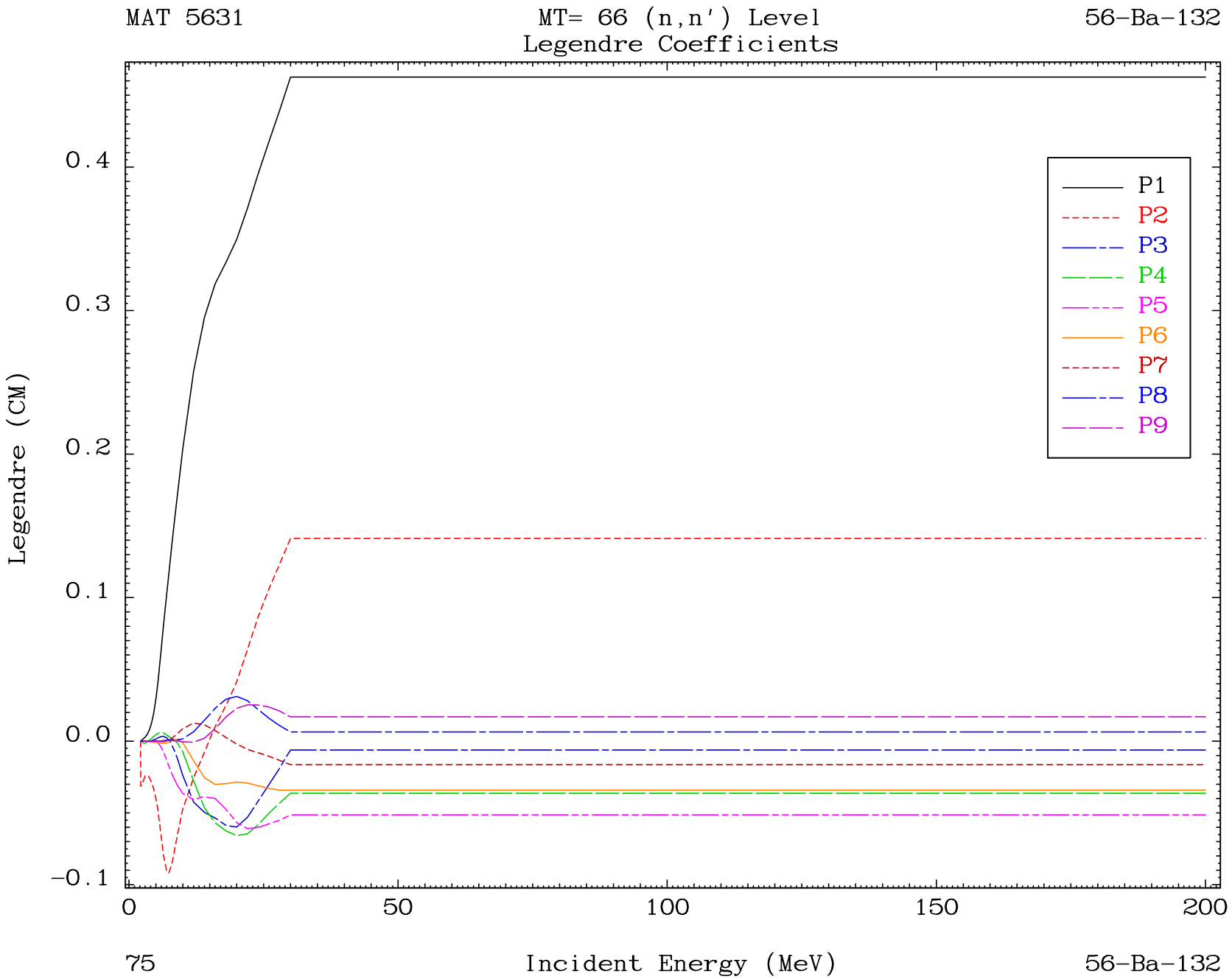

MAT 5631
MT= 64 (n,n') Level
Legendre Coefficients
56-Ba-132
X10 −6
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
70
Incident Energy (MeV)
56-Ba-132

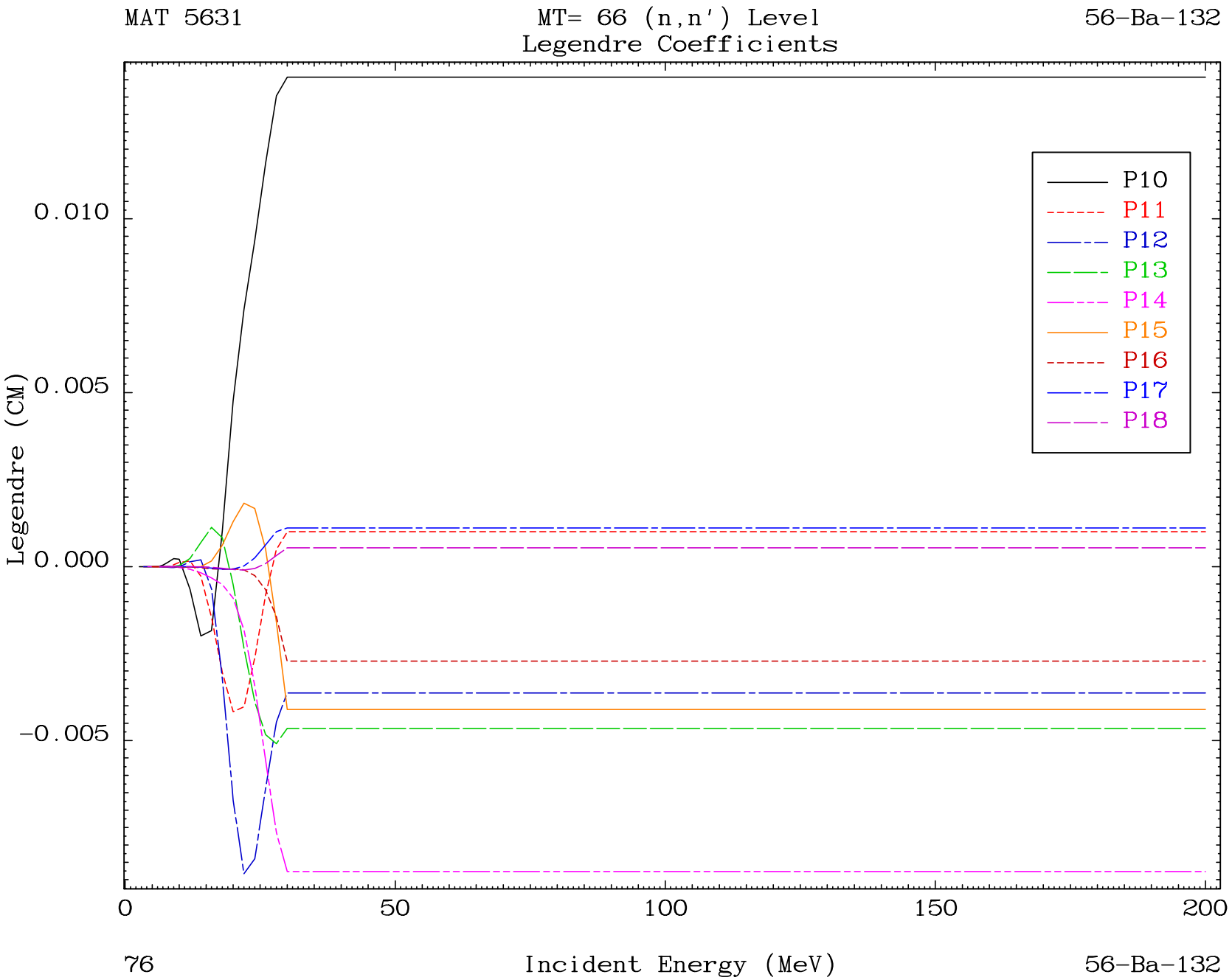

MAT 5631
MT= 65 (n,n') Level
Legendre Coefficients
56-Ba-132
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
71
Incident Energy (MeV)
56-Ba-132

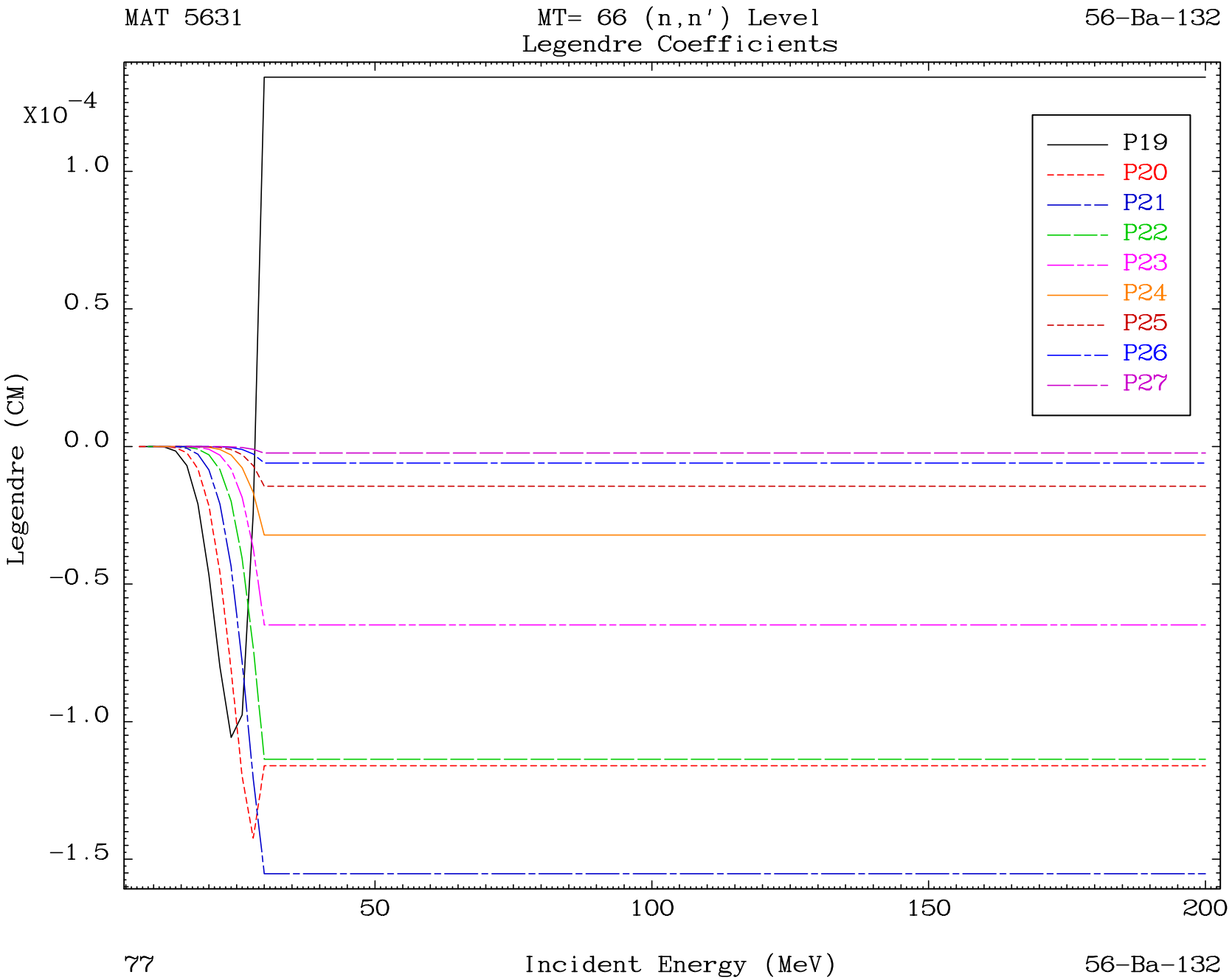

MAT 5631
MT= 65 (n,n') Level
Legendre Coefficients
56-Ba-132
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
72
Incident Energy (MeV)
56-Ba-132

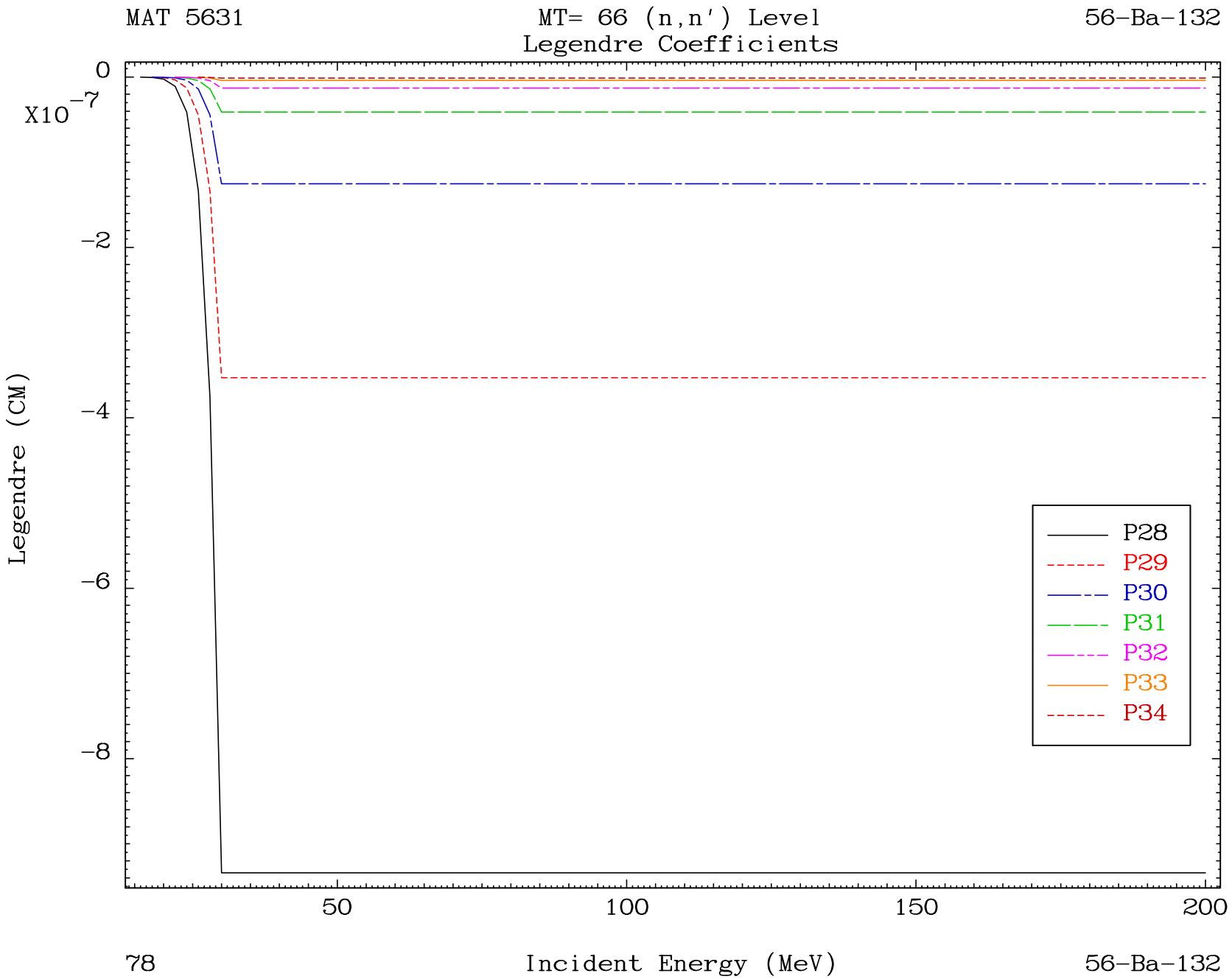

MAT 5631
MT= 65 (n,n') Level
Legendre Coefficients
56-Ba-132
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
73
Incident Energy (MeV)
56-Ba-132

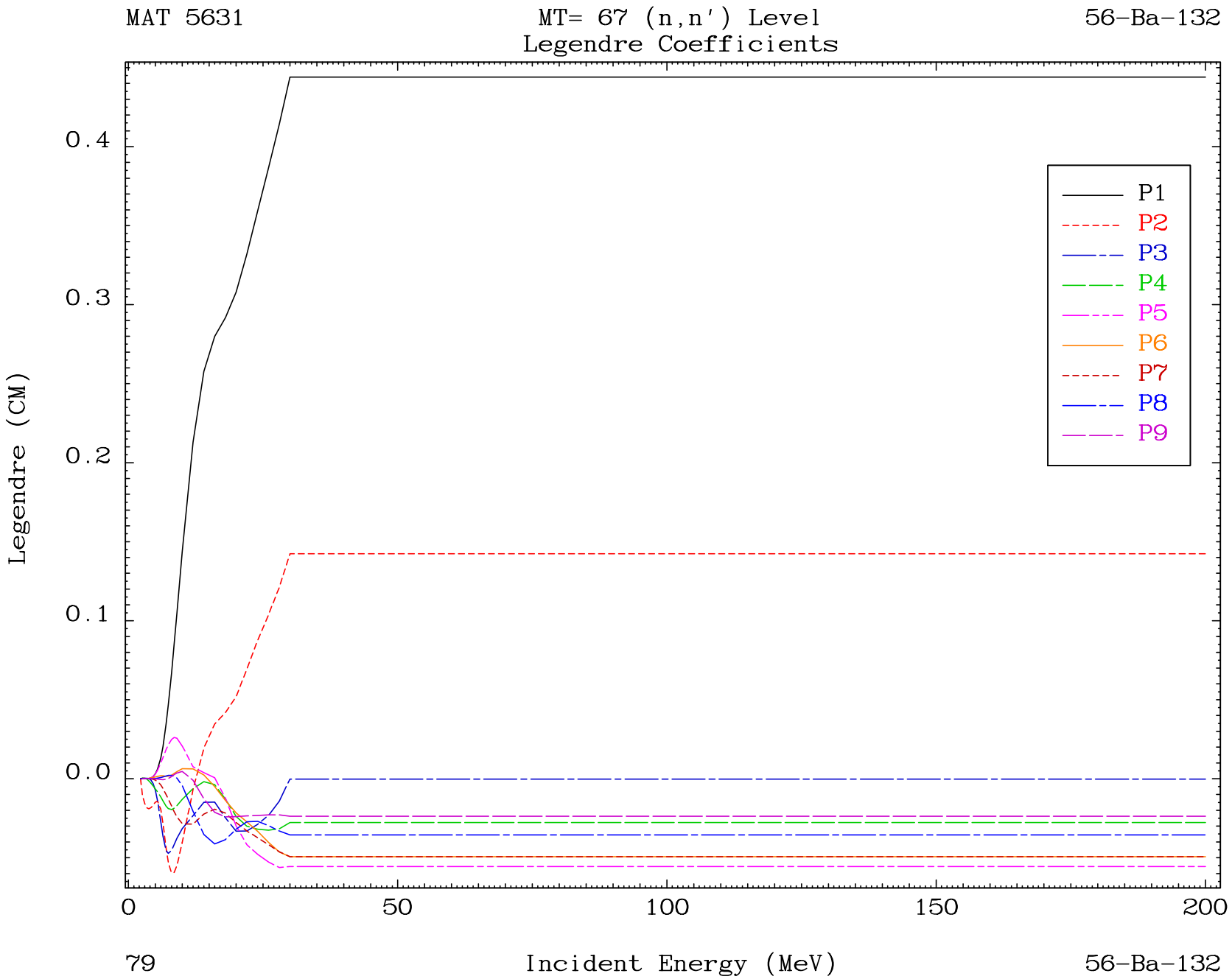

MAT 5631
MT= 65 (n,n') Level
Legendre Coefficients
56-Ba-132
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
74
Incident Energy (MeV)
56-Ba-132
P28
P29
P30
P31
P32
P33
P34
P35
P36

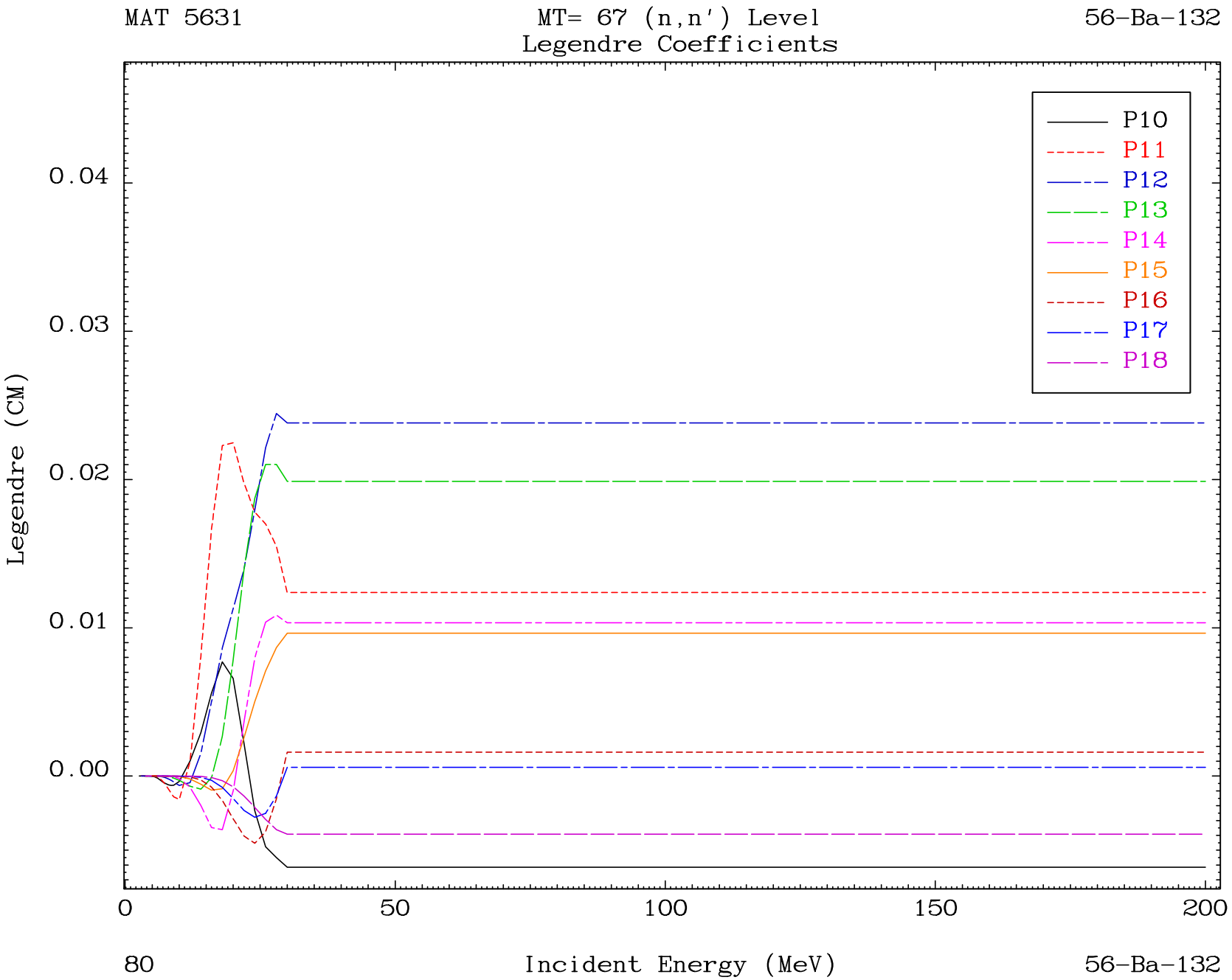

MAT 5631
MT= 66 (n,n') Level
Legendre Coefficients
56-Ba-132
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
75
Incident Energy (MeV)
56-Ba-132

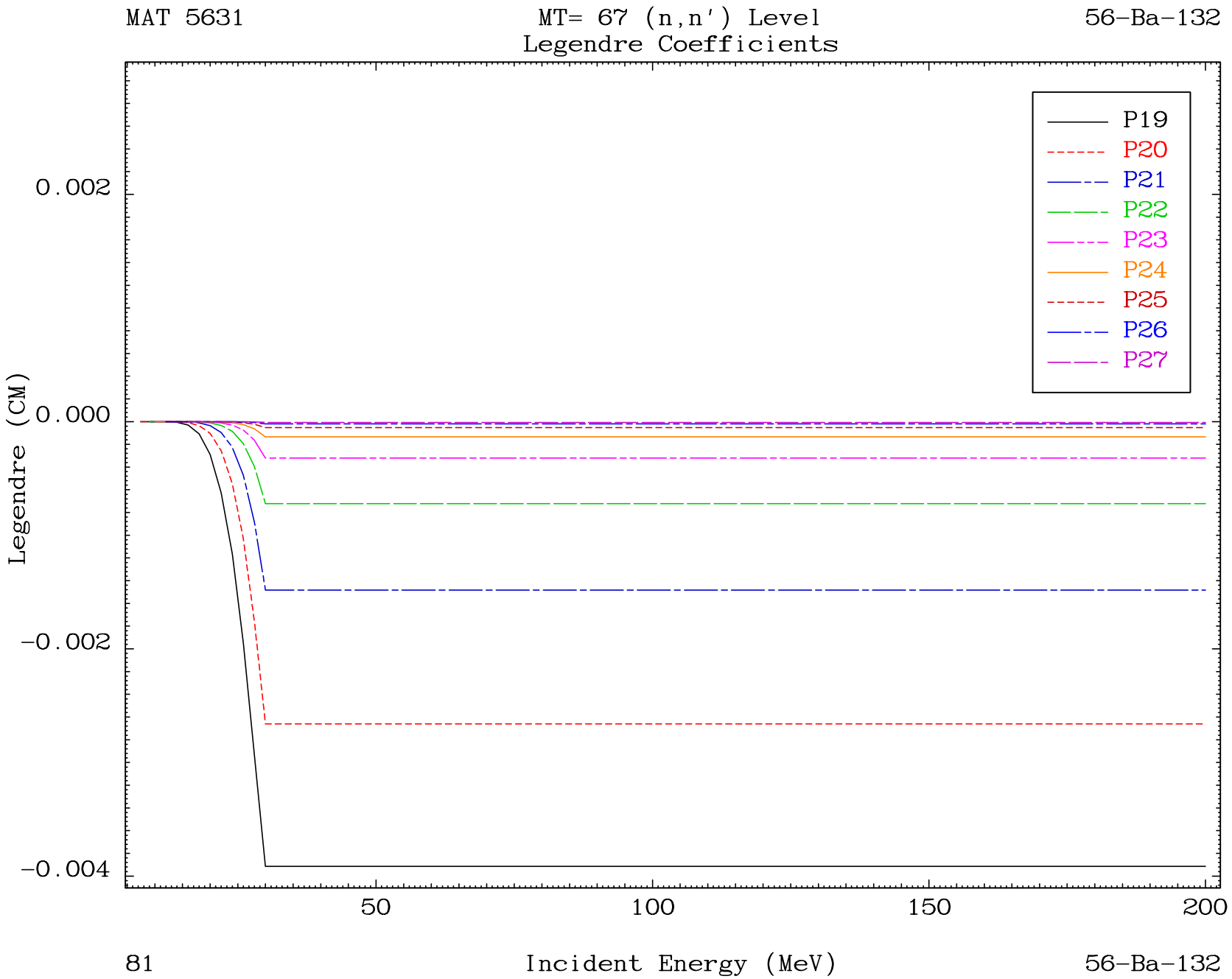

MAT 5631
MT= 66 (n,n') Level
Legendre Coefficients
56-Ba-132
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.010
0.005
0.000
-0.005
Legendre (CM)
0
50
100
150
200
76
Incident Energy (MeV)
56-Ba-132

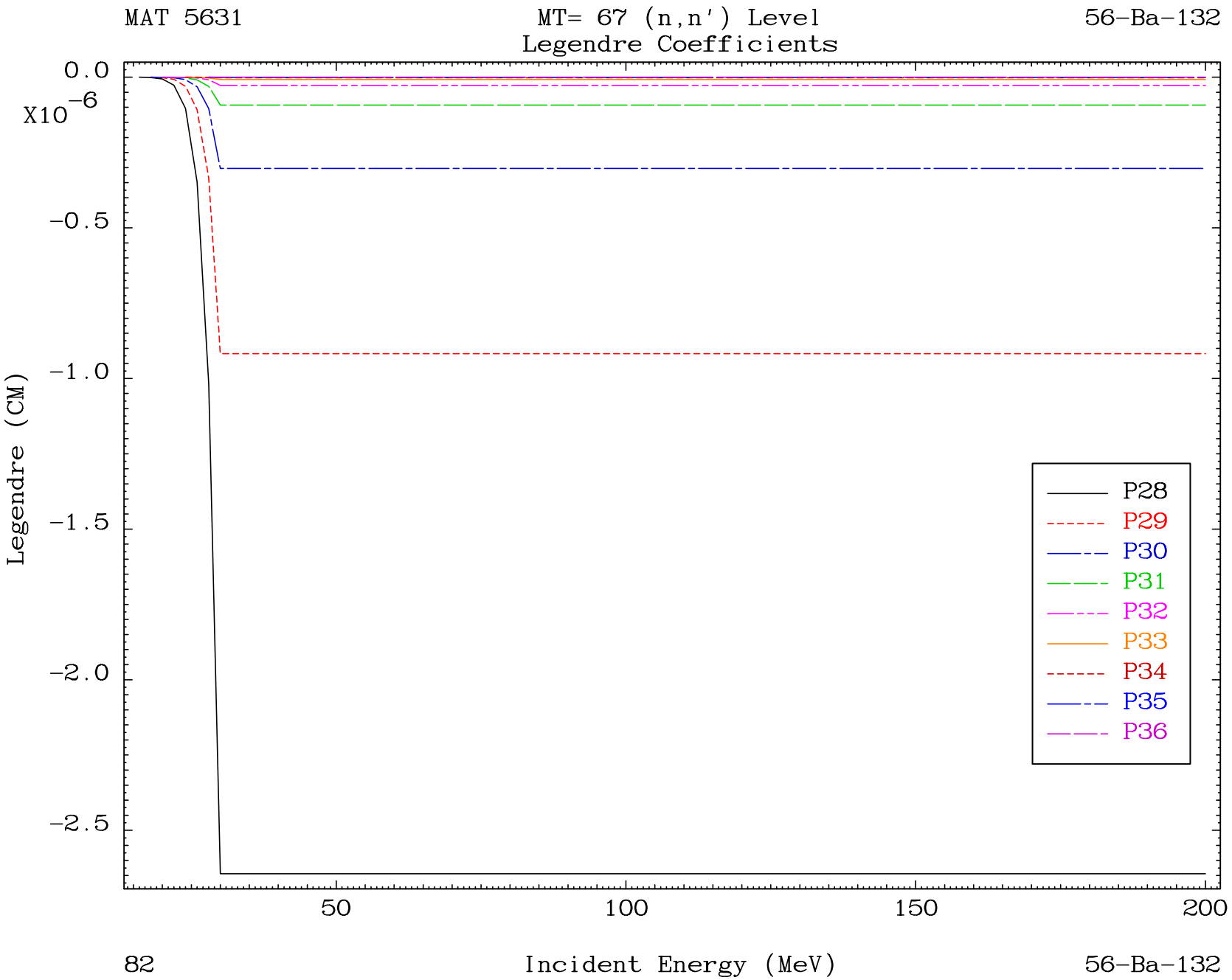

MAT 5631
MT= 66 (n,n') Level
Legendre Coefficients
56-Ba-132
X10^-4
1.0
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
77
Incident Energy (MeV)
56-Ba-132

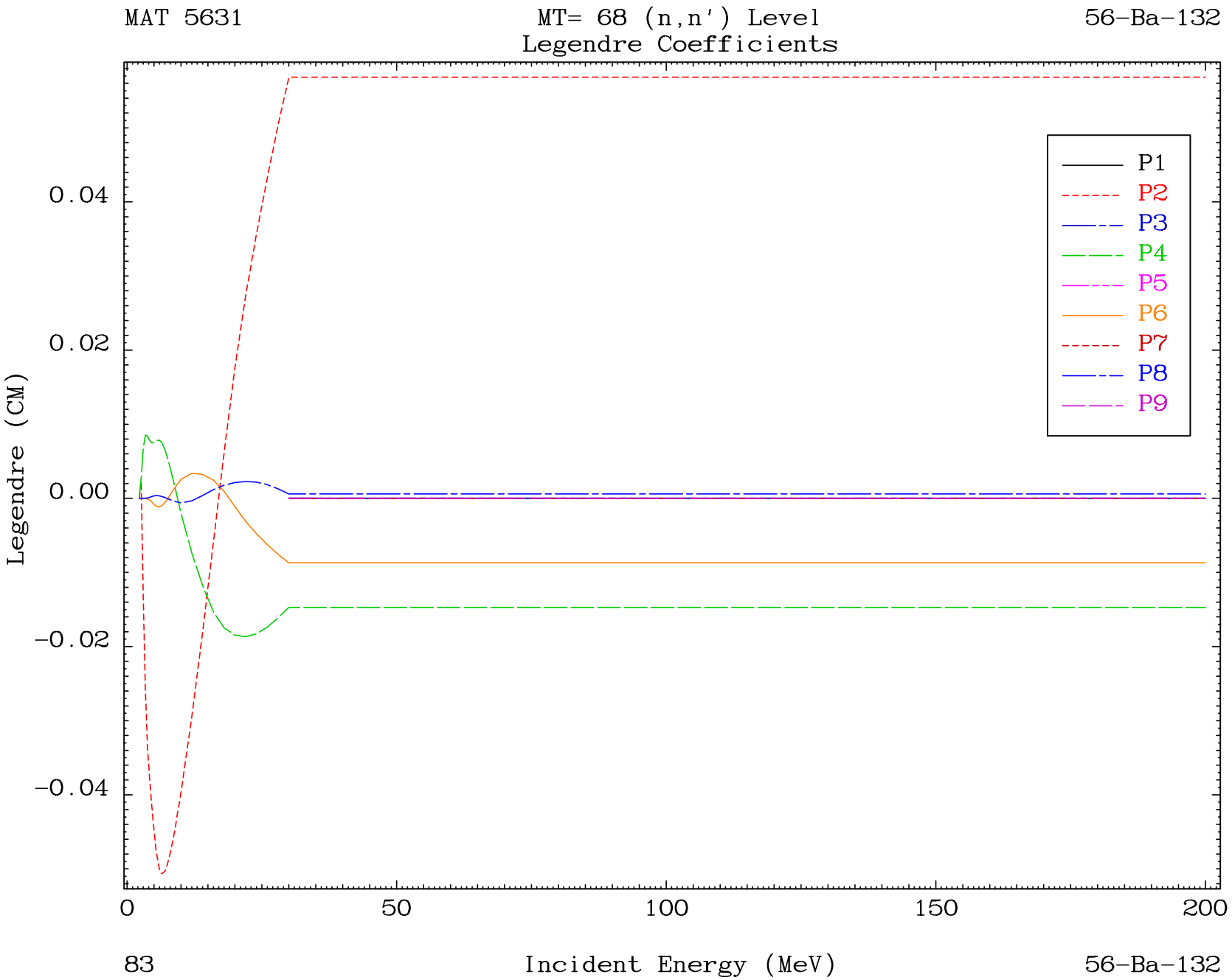

MAT 5631
MT= 66 (n,n') Level
Legendre Coefficients
56-Ba-132
0
X10-7
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
78
Incident Energy (MeV)
56-Ba-132
P28
P29
P30
P31
P32
P33
P34

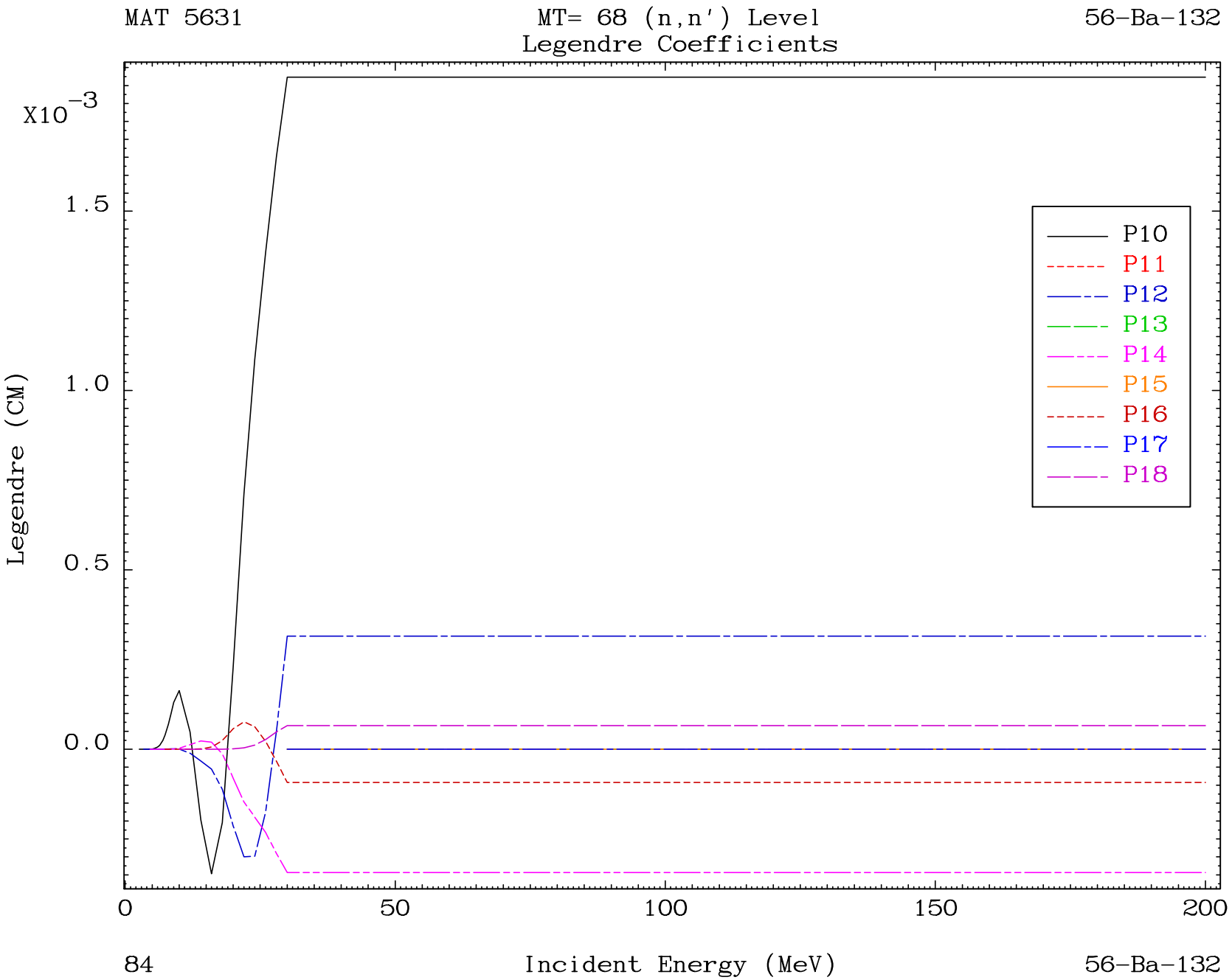

MAT 5631
MT= 67 (n,n') Level
Legendre Coefficients
56-Ba-132
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
79
56-Ba-132
P1
P2
P3
P4
P5
P6
P7
P8
P9

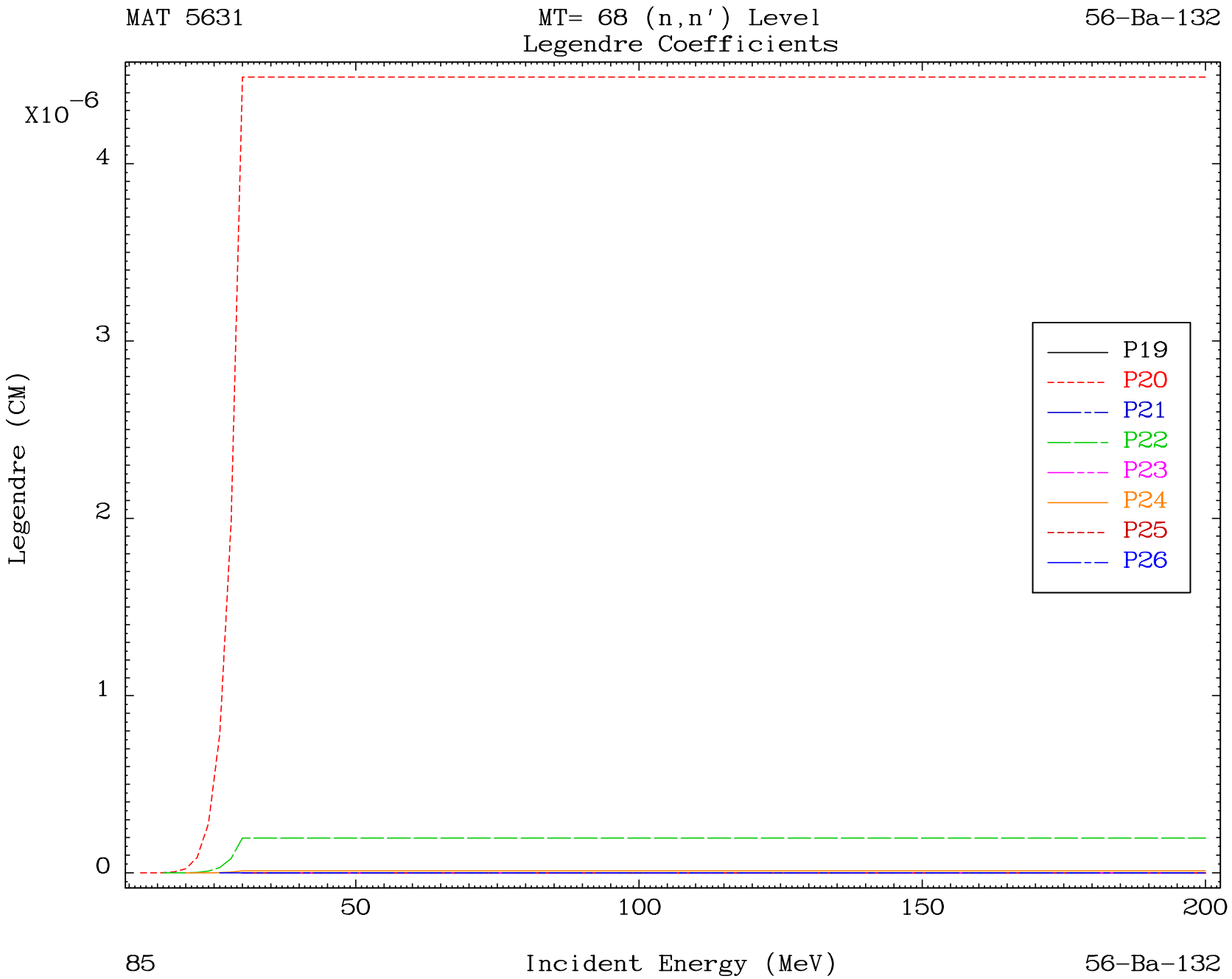

MAT 5631
MT= 67 (n,n') Level
Legendre Coefficients
56-Ba-132
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
80
Incident Energy (MeV)
56-Ba-132

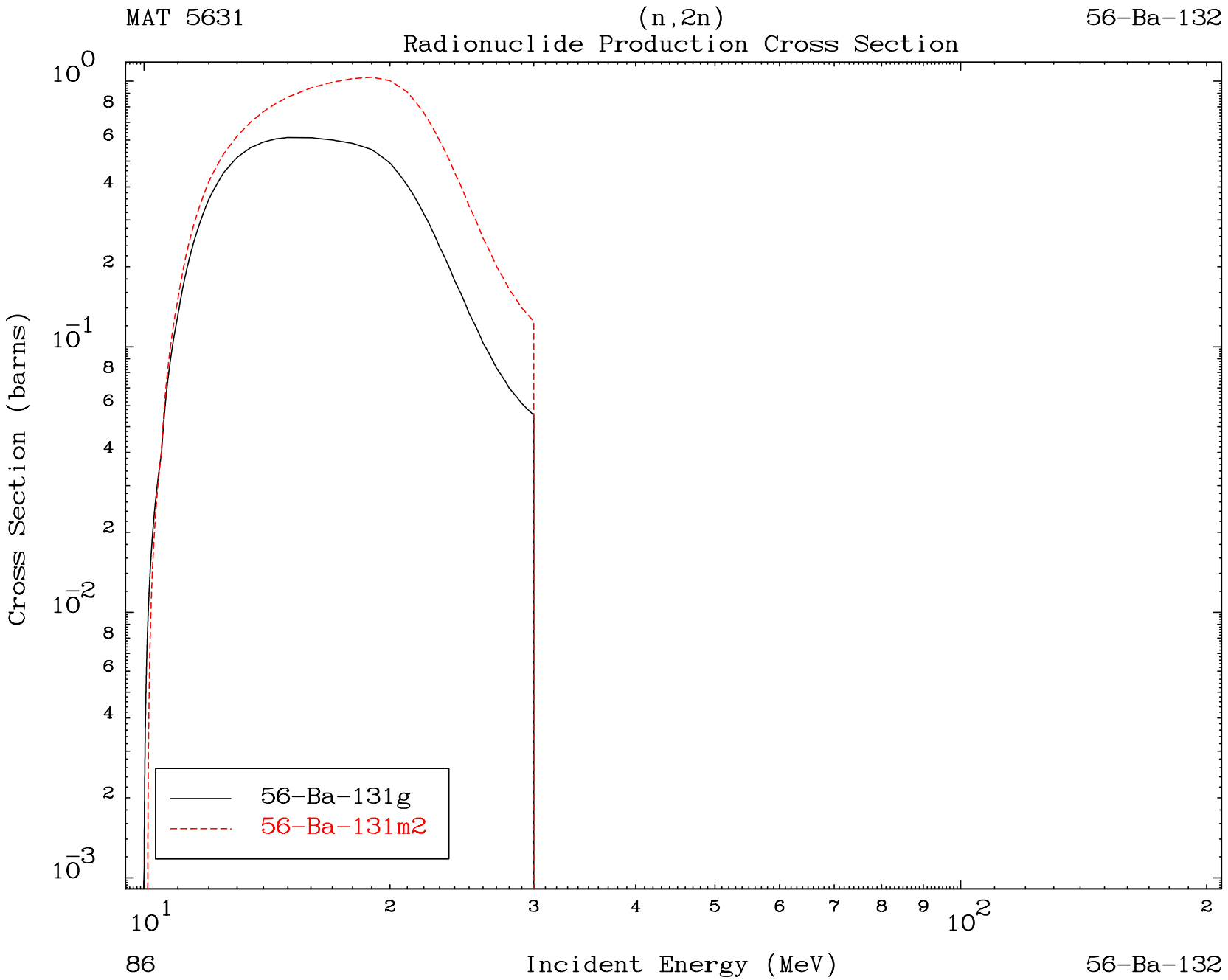

MAT 5631
MT= 67 (n,n') Level
Legendre Coefficients
56-Ba-132
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
81
Incident Energy (MeV)
56-Ba-132

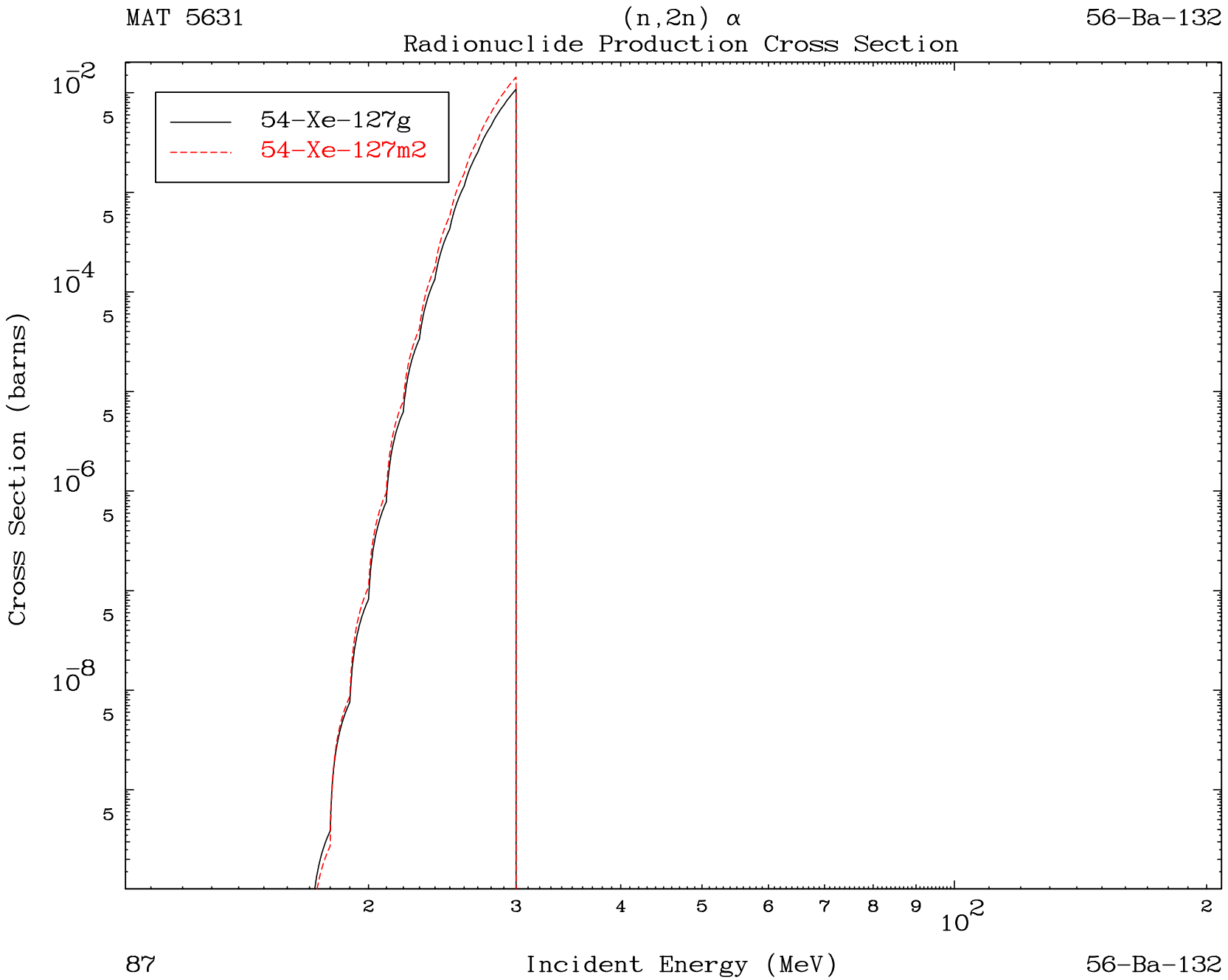

MAT 5631
MT= 67 (n,n') Level
Legendre Coefficients
56-Ba-132
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
82
Incident Energy (MeV)
56-Ba-132
P28
P29
P30
P31
P32
P33
P34
P35
P36

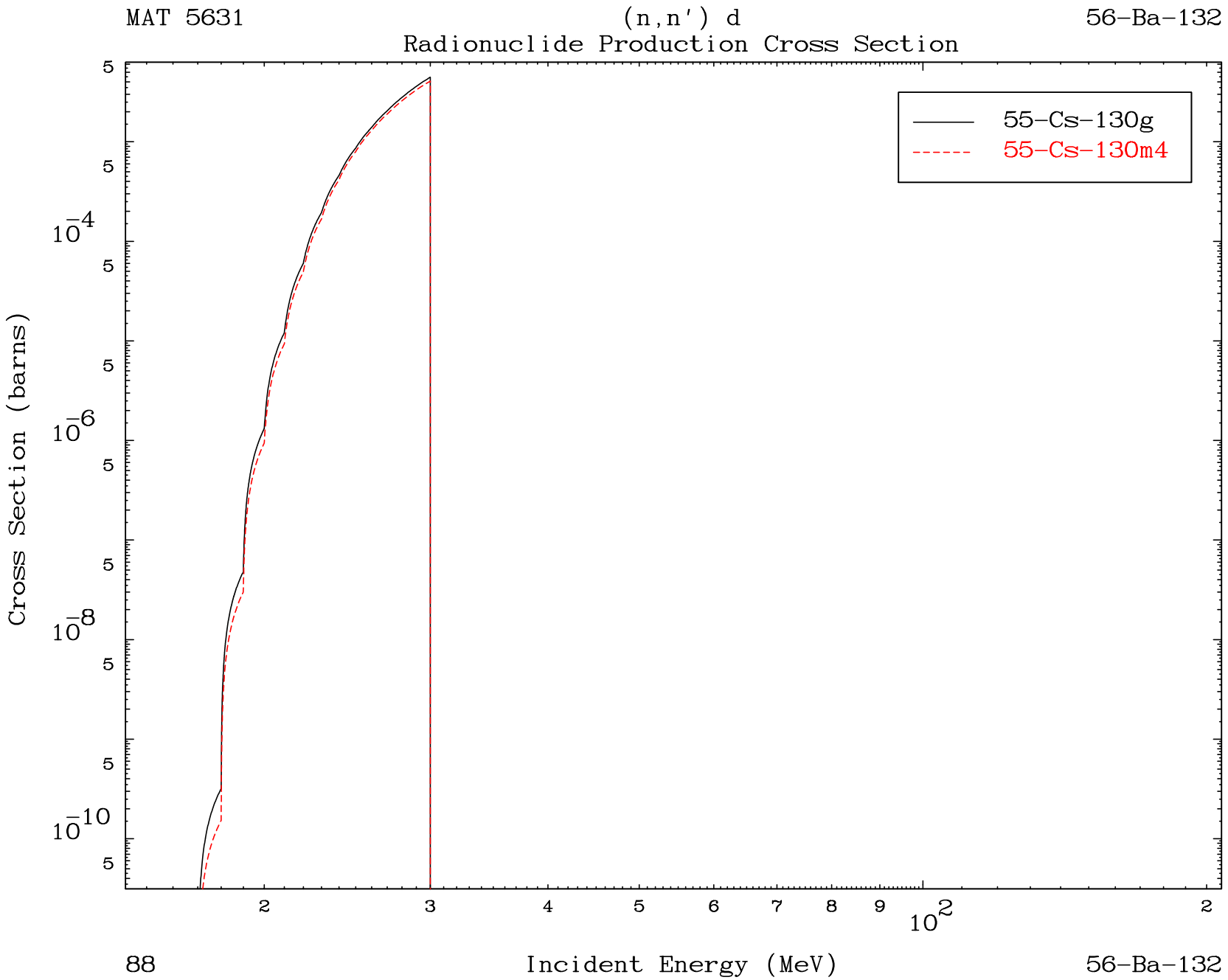

MAT 5631
MT= 68 (n,n') Level
Legendre Coefficients
56-Ba-132
P1
P2
P3
P4
P5
P6
P7
P8
P9
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
83
Incident Energy (MeV)
56-Ba-132

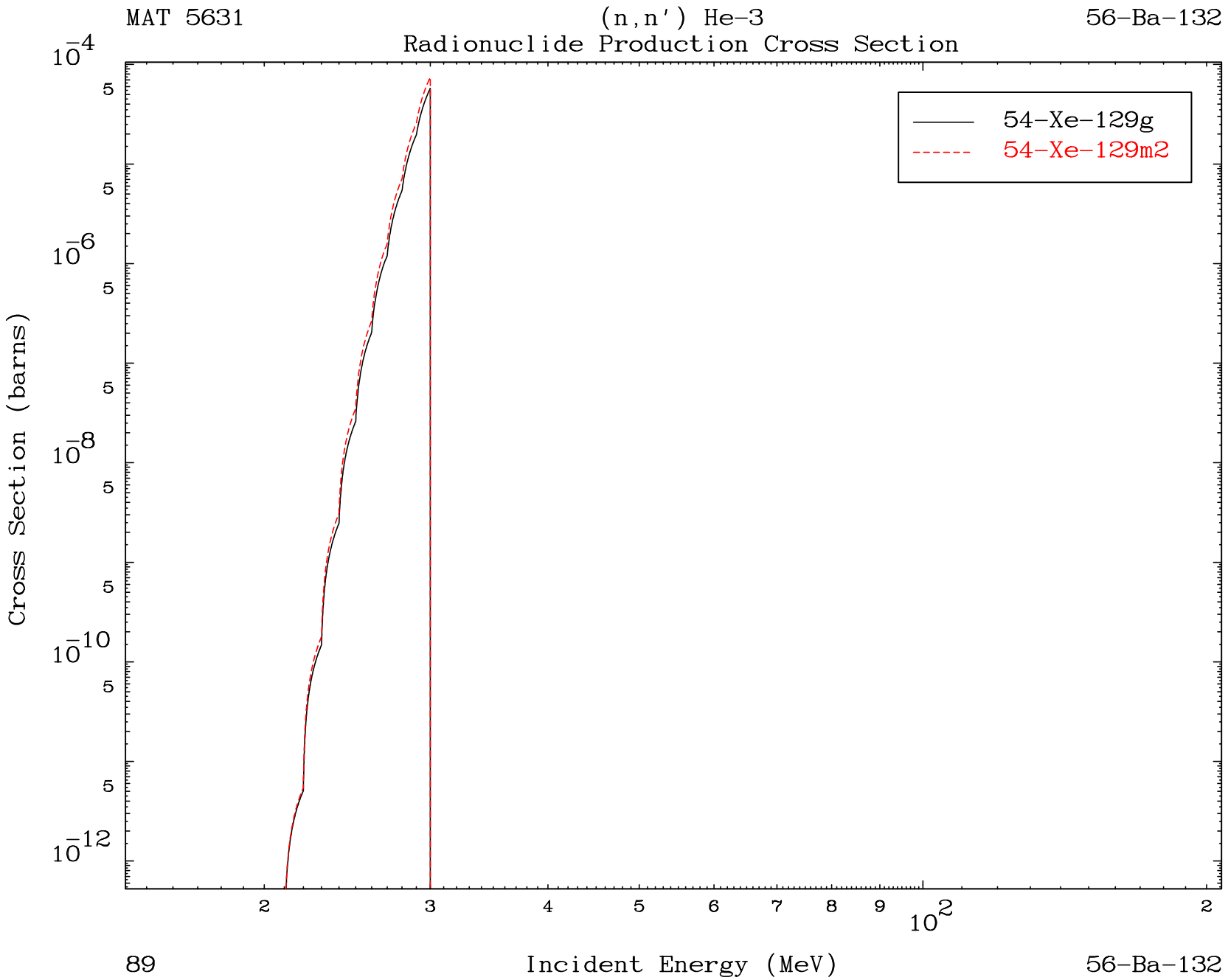

MAT 5631
MT= 68 (n,n') Level
Legendre Coefficients
56-Ba-132
X10^-3
1.5
1.0
0.5
0.0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
84
Incident Energy (MeV)
56-Ba-132

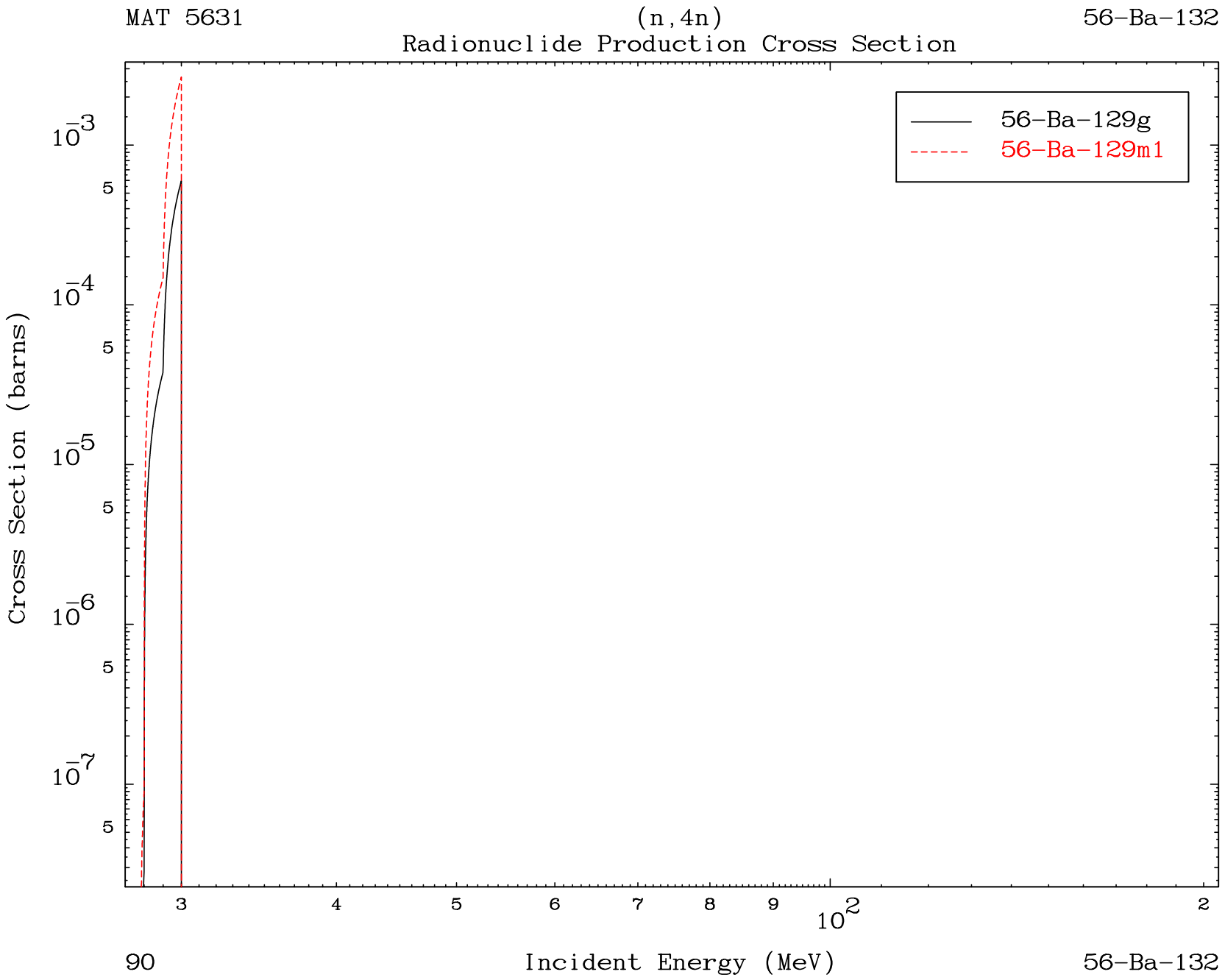

MAT 5631
MT= 68 (n,n') Level
Legendre Coefficients
56-Ba-132
X10^-6
4
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
85
Incident Energy (MeV)
56-Ba-132

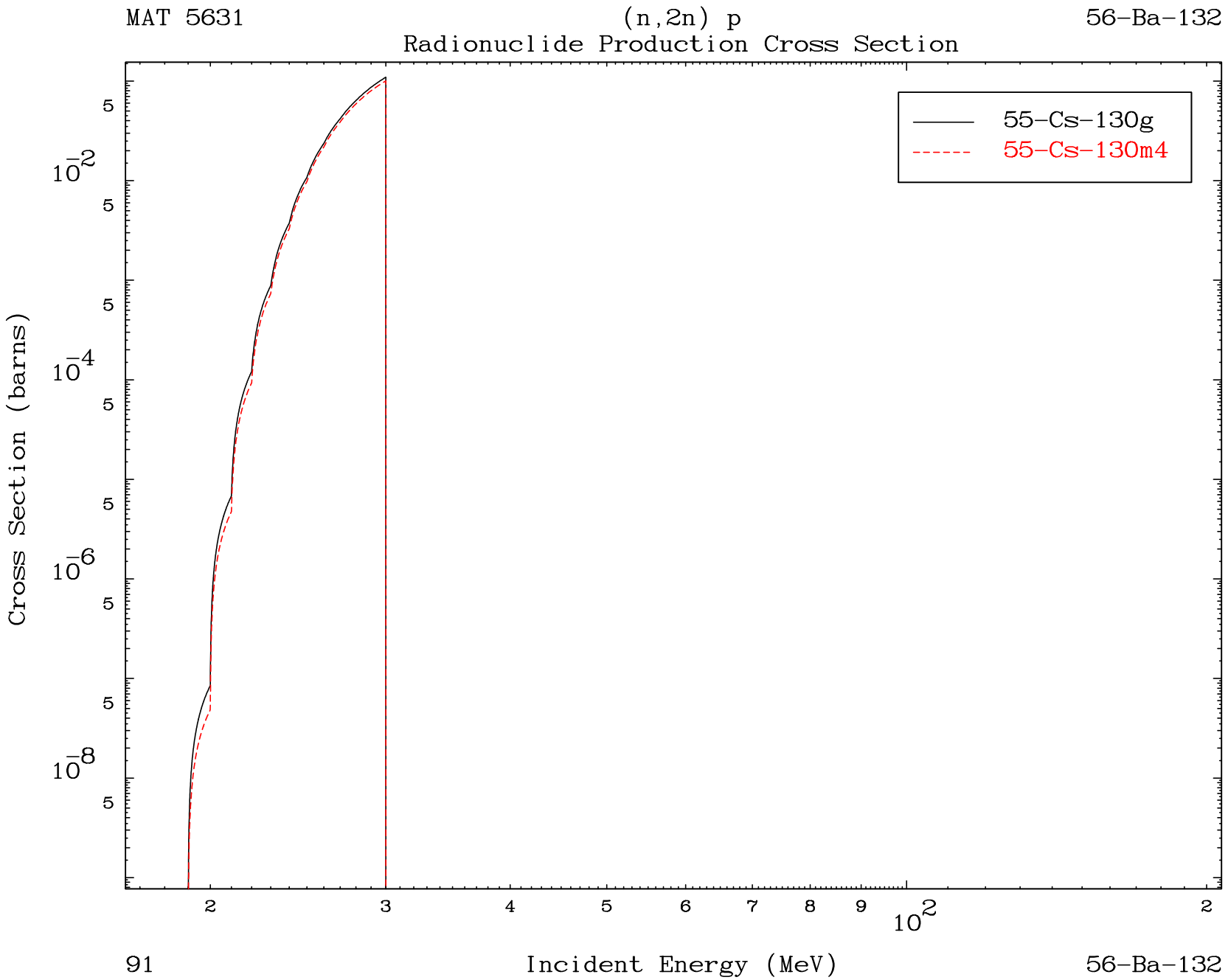

MAT 5631
(n,2n)
56-Ba-132
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
56-Ba-131g
56-Ba-131m2
86
56-Ba-132

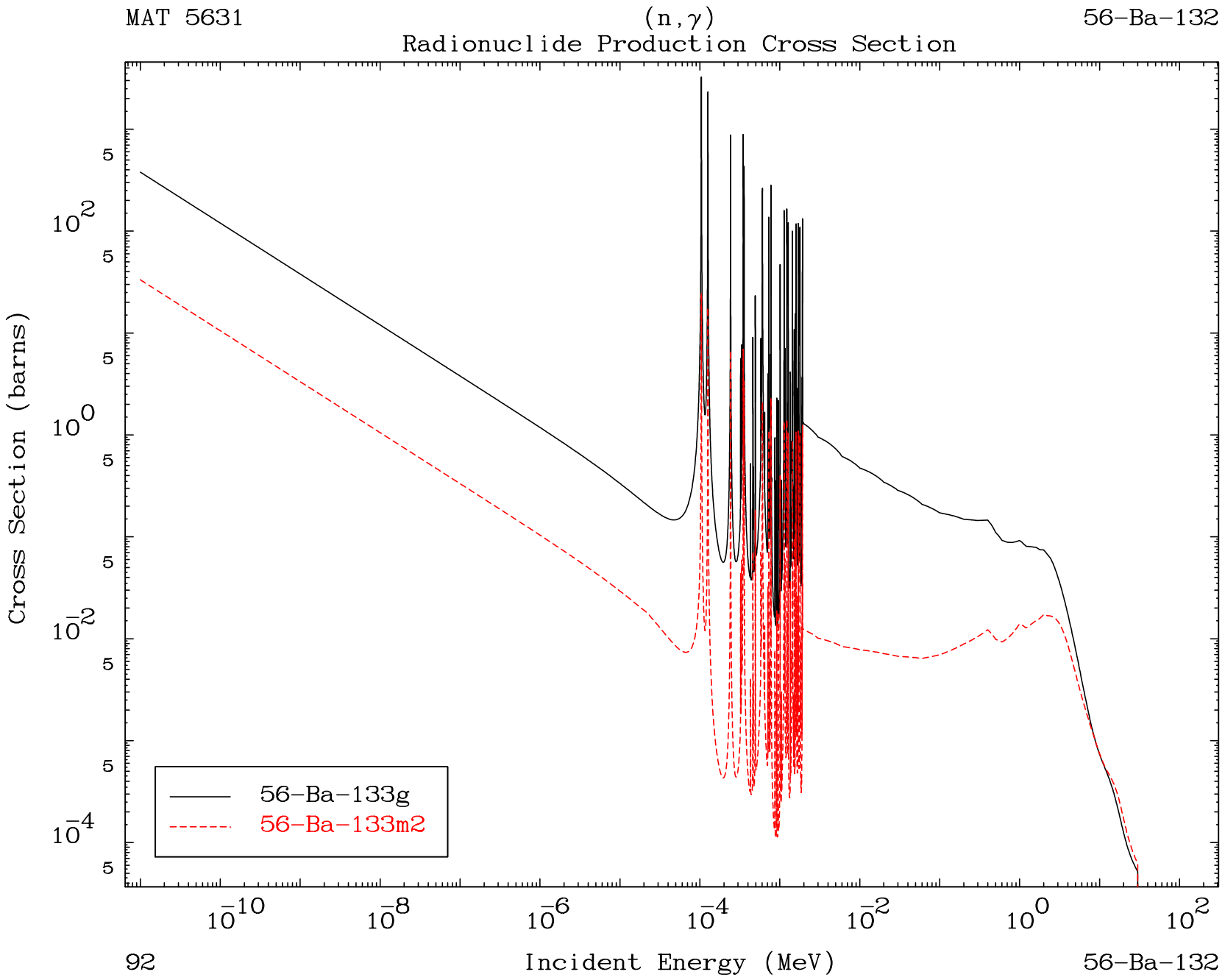

MAT 5631
(n,2n) α
56-Ba-132
Radionuclide Production Cross Section
54-Xe-127g
54-Xe-127m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
87
Incident Energy (MeV)
56-Ba-132

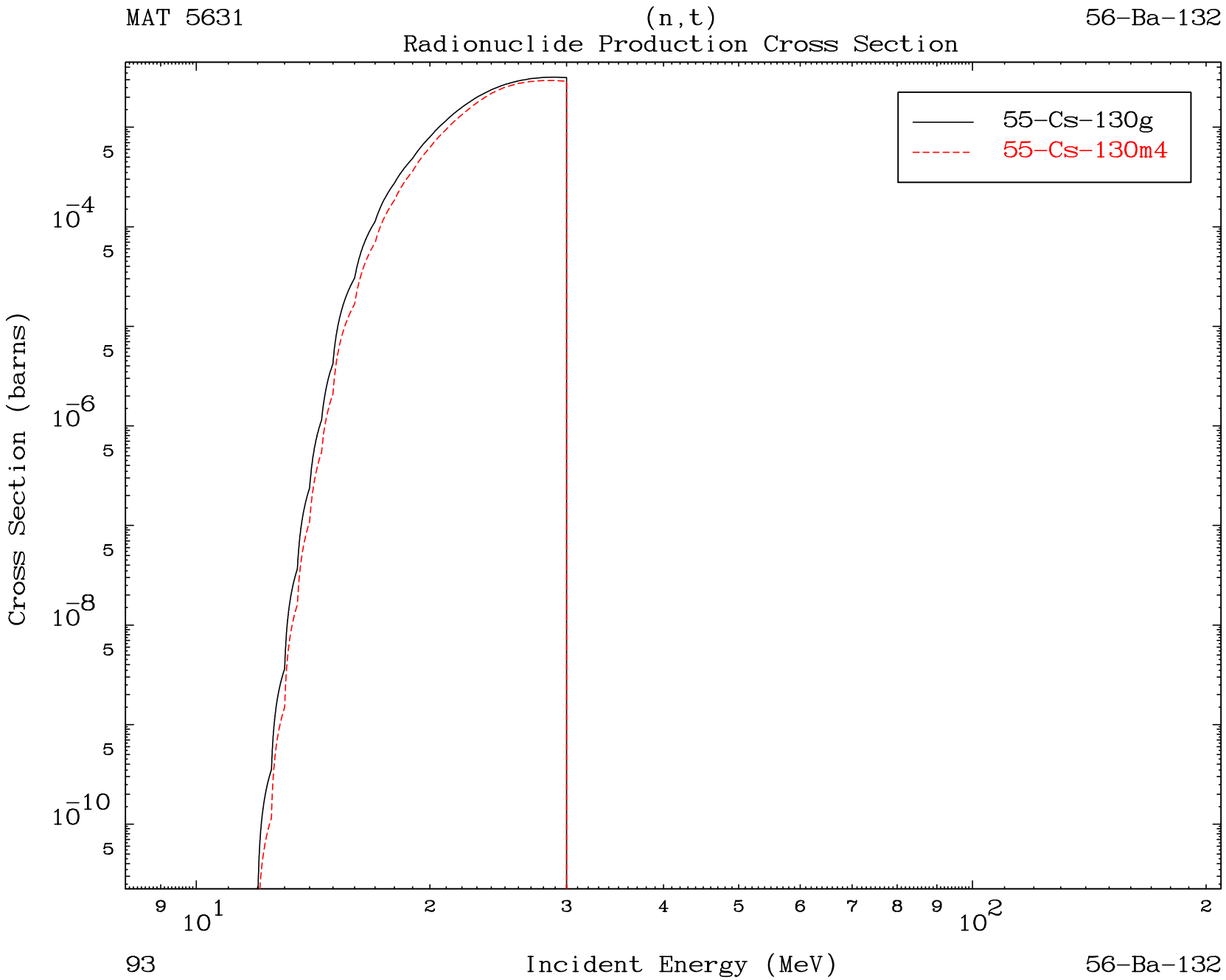

MAT 5631
(n,n') d
56-Ba-132
Radionuclide Production Cross Section
55-Cs-130g
55-Cs-130m4
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
88
56-Ba-132

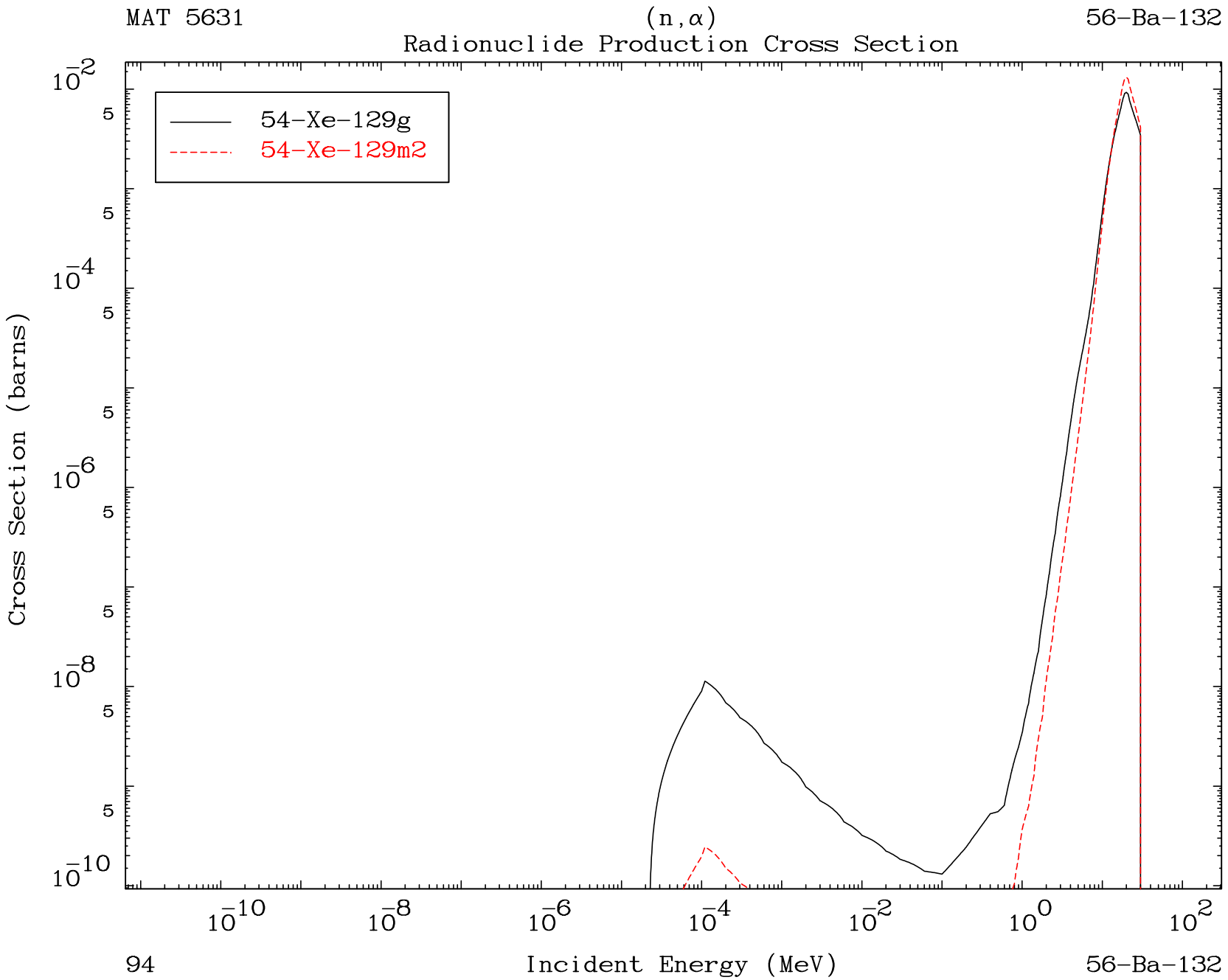

MAT 5631
(n,n') He-3
56-Ba-132
Radionuclide Production Cross Section
54-Xe-129g
54-Xe-129m2
Cross Section (barns)
Incident Energy (MeV)
89
56-Ba-132

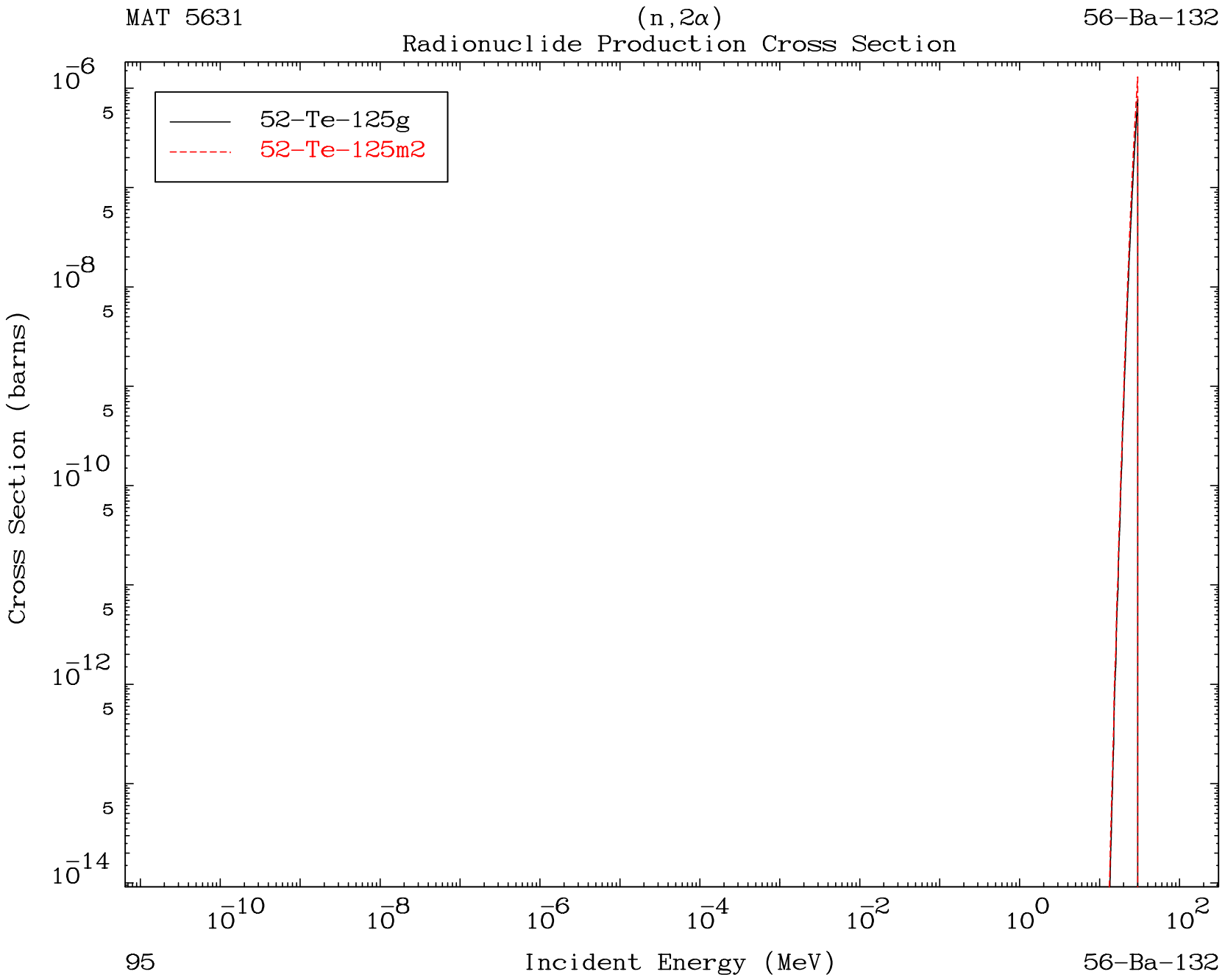

MAT 5631
(n,4n)
56-Ba-132
Radionuclide Production Cross Section
56-Ba-129g
56-Ba-129m1
Cross Section (barns)
10-3
5
10-4
5
10-5
5
10-6
5
10-7
5
3
4
5
6
7
8
9
10 2
2
90
Incident Energy (MeV)
56-Ba-132

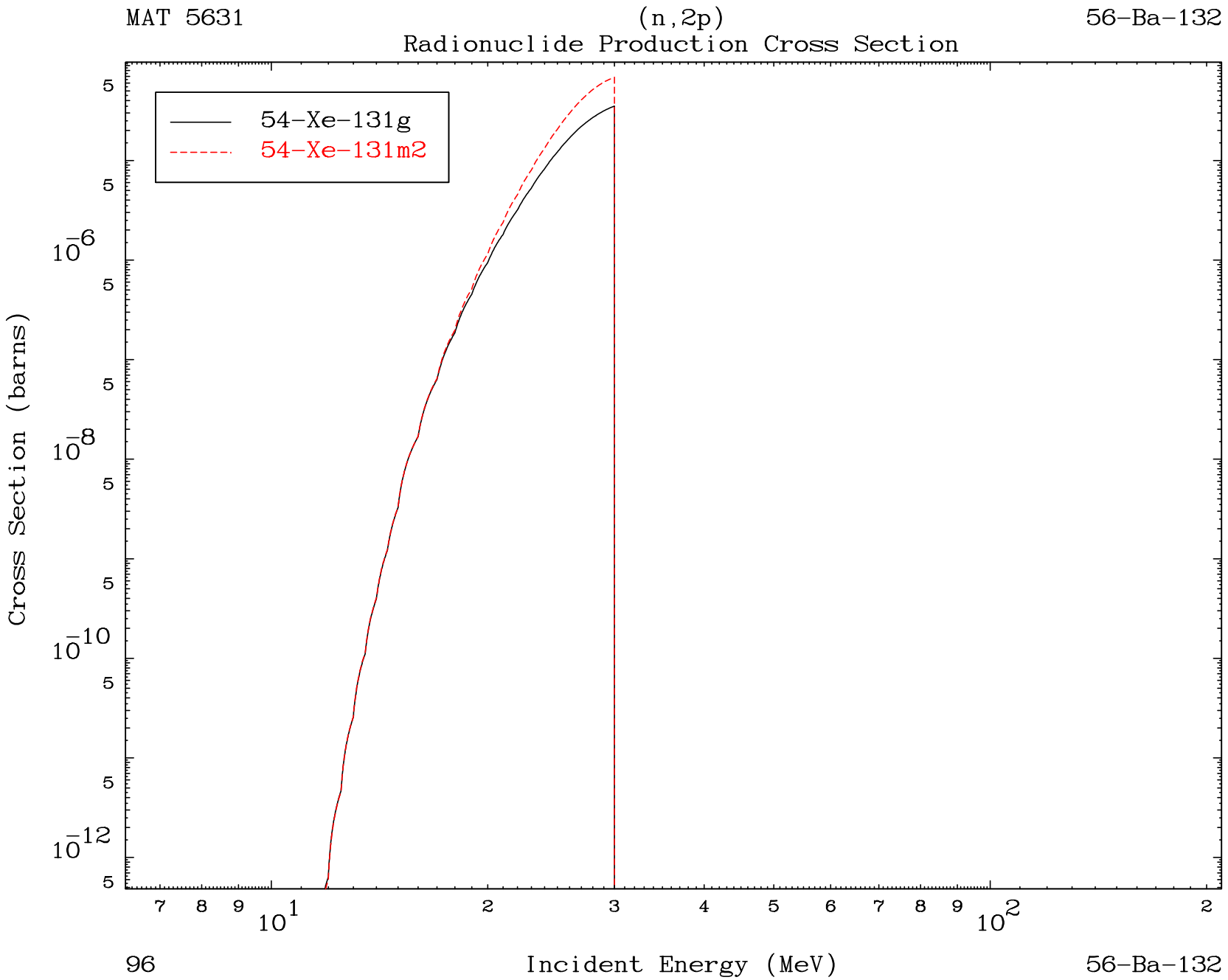

MAT 5631
(n,2n) p
56-Ba-132
Radionuclide Production Cross Section
55-Cs-130g
55-Cs-130m4
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
102
2
91
Incident Energy (MeV)
56-Ba-132

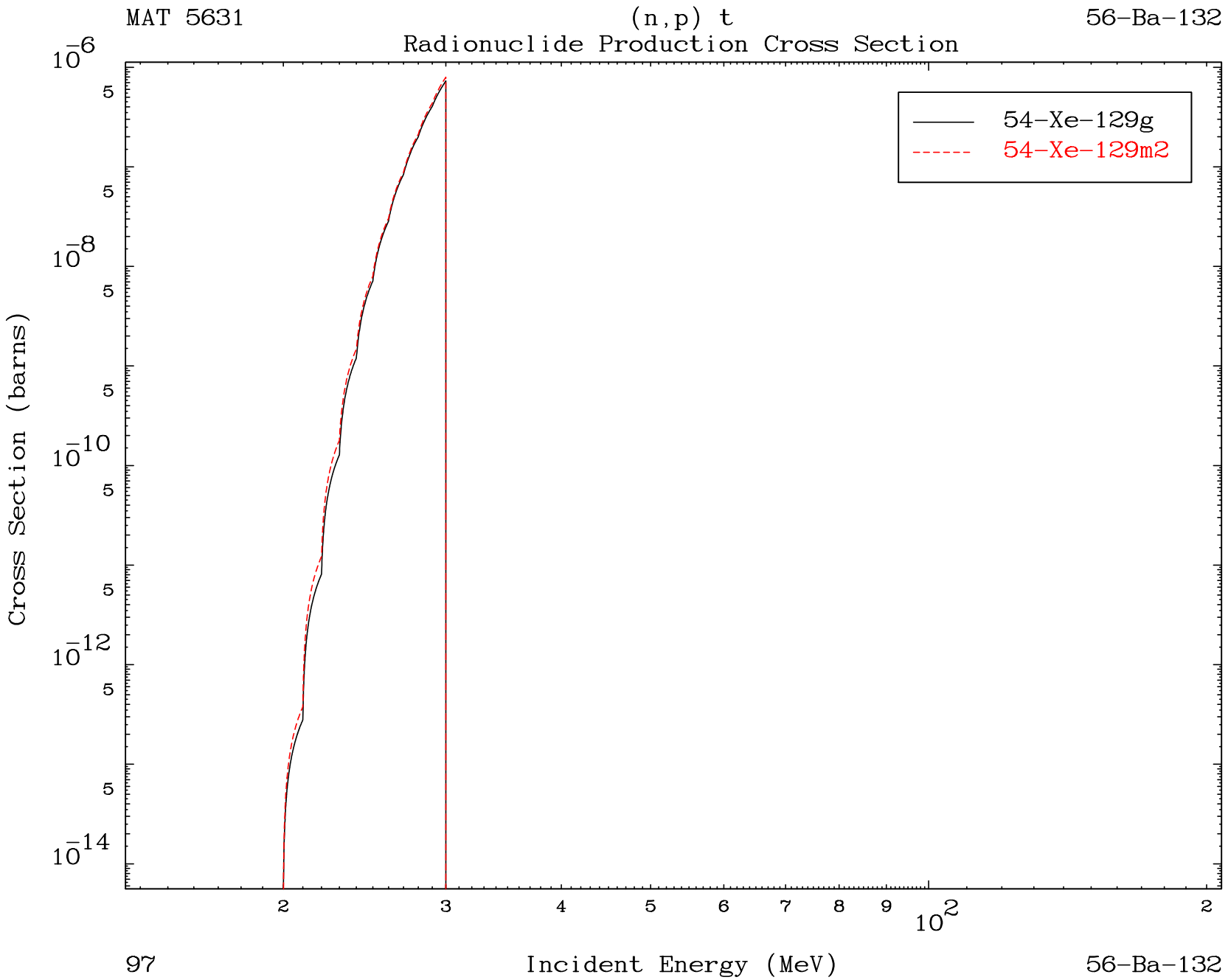

MAT 5631
(n,γ)
56-Ba-132
Radionuclide Production Cross Section
Cross Section (barns)
10^2
10^0
10^-2
10^-4
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
56-Ba-133g
56-Ba-133m2
92
Incident Energy (MeV)
56-Ba-132


MAT 5631
(n,t)
56-Ba-132
Radionuclide Production Cross Section
55-Cs-130g
55-Cs-130m4
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
93
56-Ba-132


MAT 5631
(n,α)
56-Ba-132
Radionuclide Production Cross Section
54-Xe-129g
54-Xe-129m2
Cross Section (barns)
Incident Energy (MeV)
94
56-Ba-132


MAT 5631
(n,2α)
56-Ba-132
Radionuclide Production Cross Section
52-Te-125g
52-Te-125m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^-14
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
95
Incident Energy (MeV)
56-Ba-132


MAT 5631
(n,2p)
56-Ba-132
Radionuclide Production Cross Section
54-Xe-131g
54-Xe-131m2
Cross Section (barns)
Incident Energy (MeV)
96
56-Ba-132


MAT 5631
(n,p) t
56-Ba-132
Radionuclide Production Cross Section
54-Xe-129g
54-Xe-129m2
Cross Section (barns)
Incident Energy (MeV)
97
56-Ba-132