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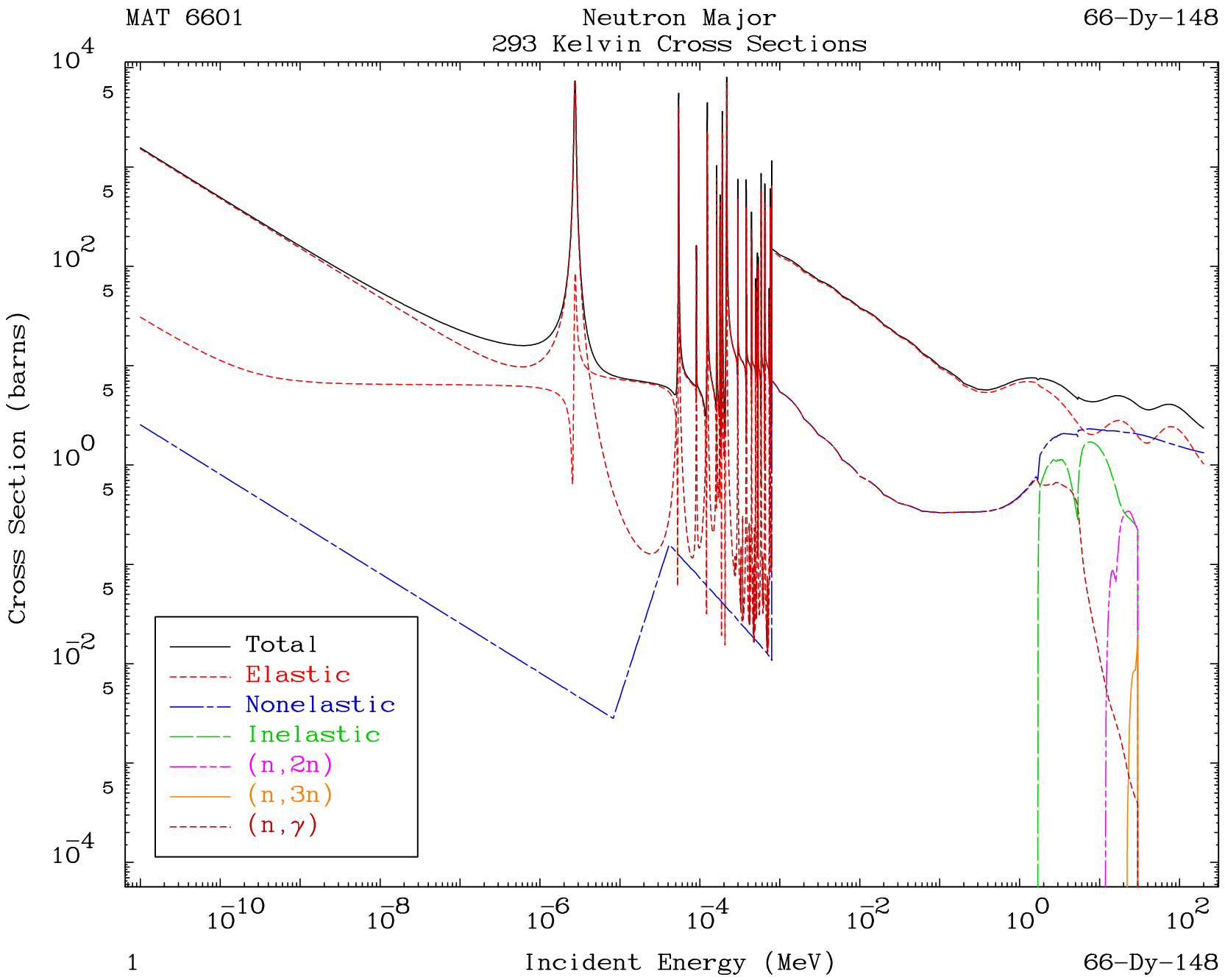
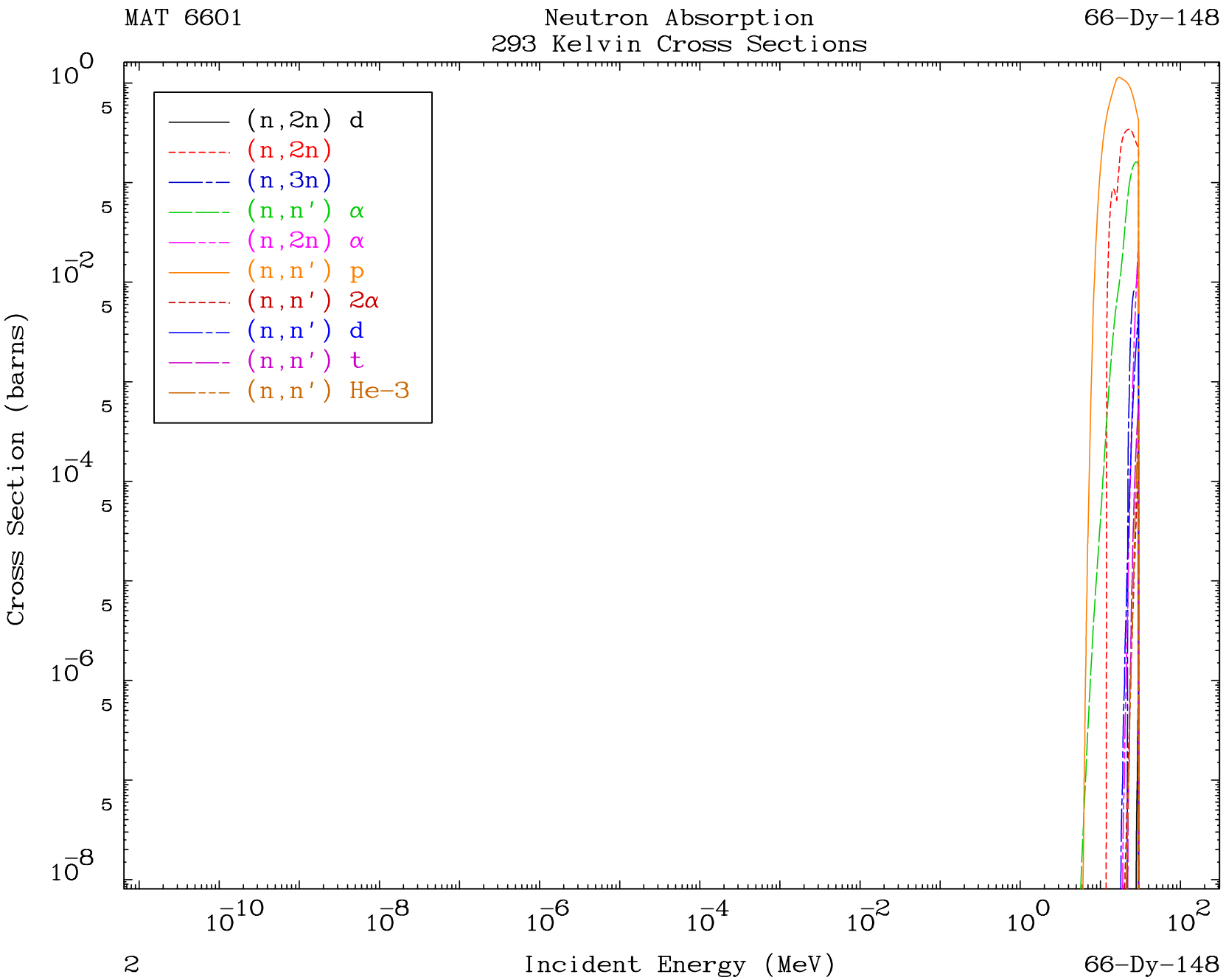
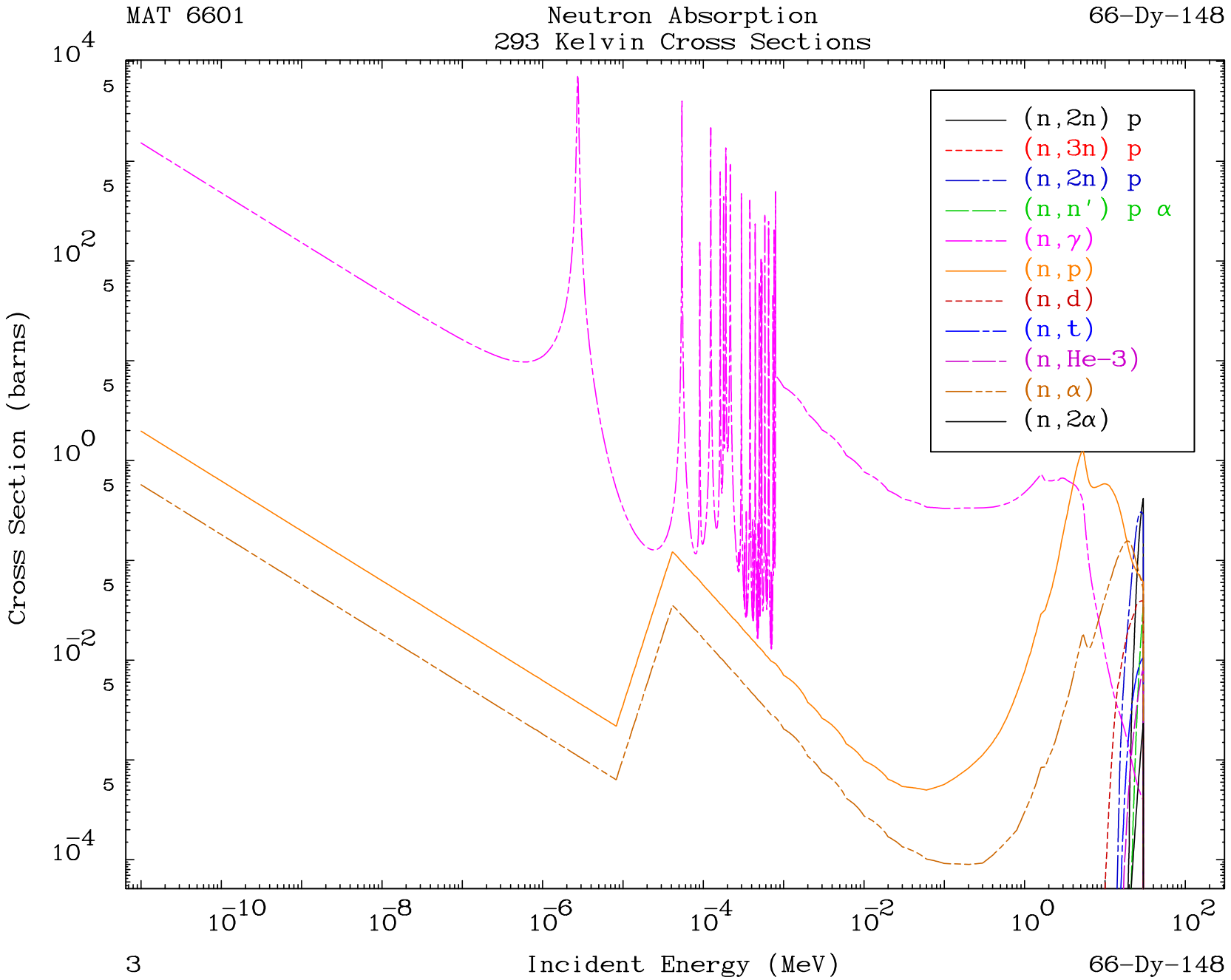
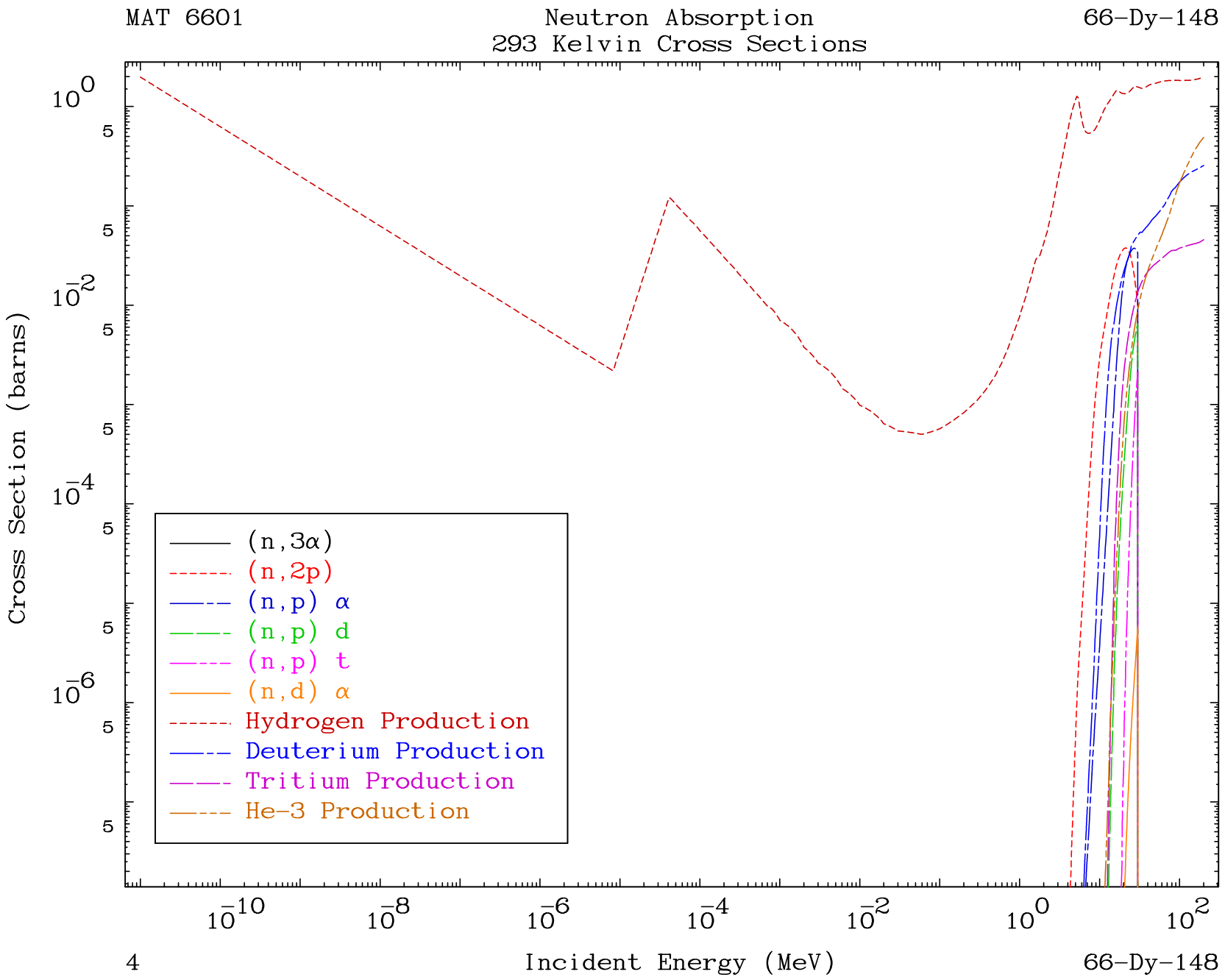
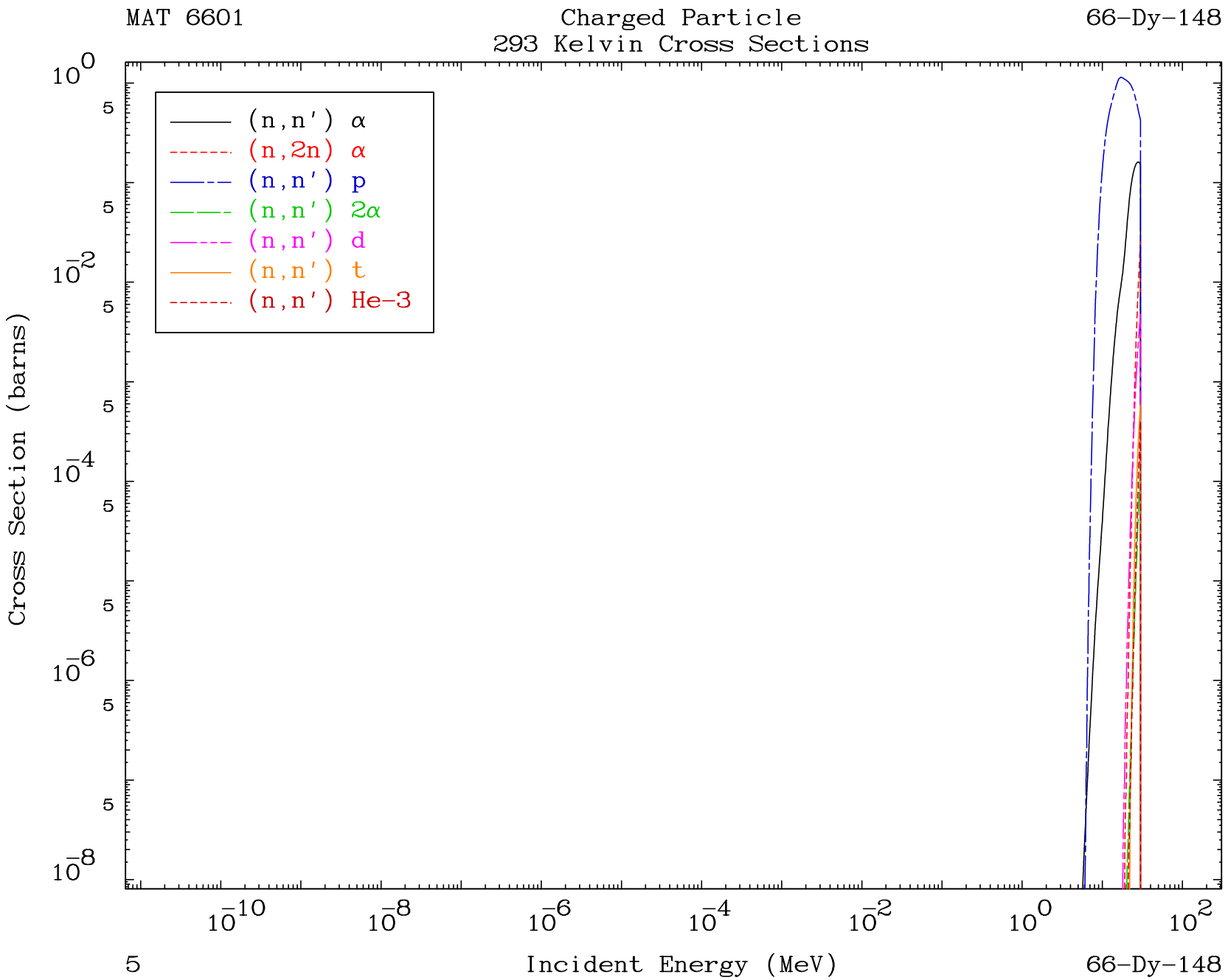
Press Mouse Button to Start

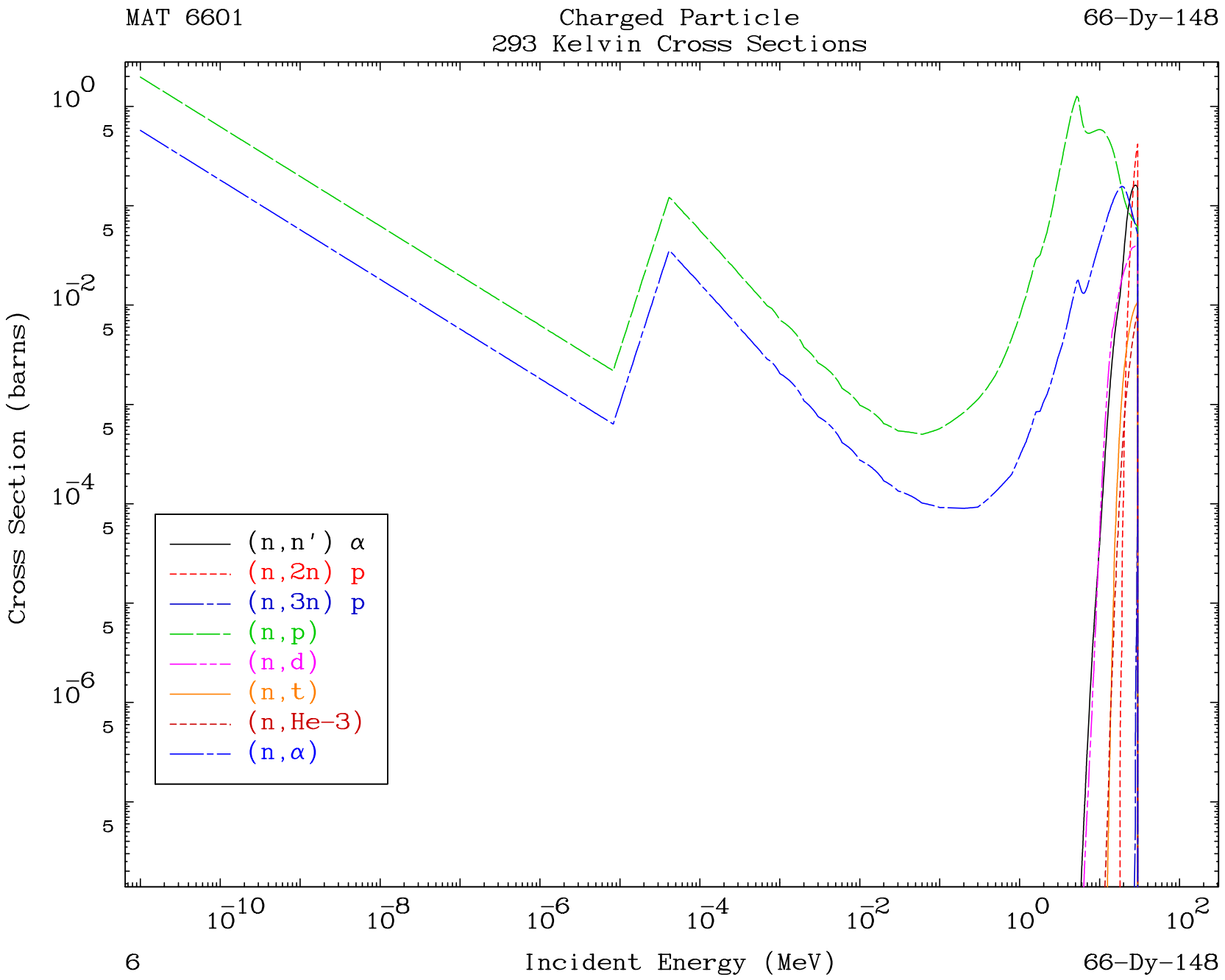

MAT 6601
Neutron Major
293 Kelvin Cross Sections
66-Dy-148
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
66-Dy-148

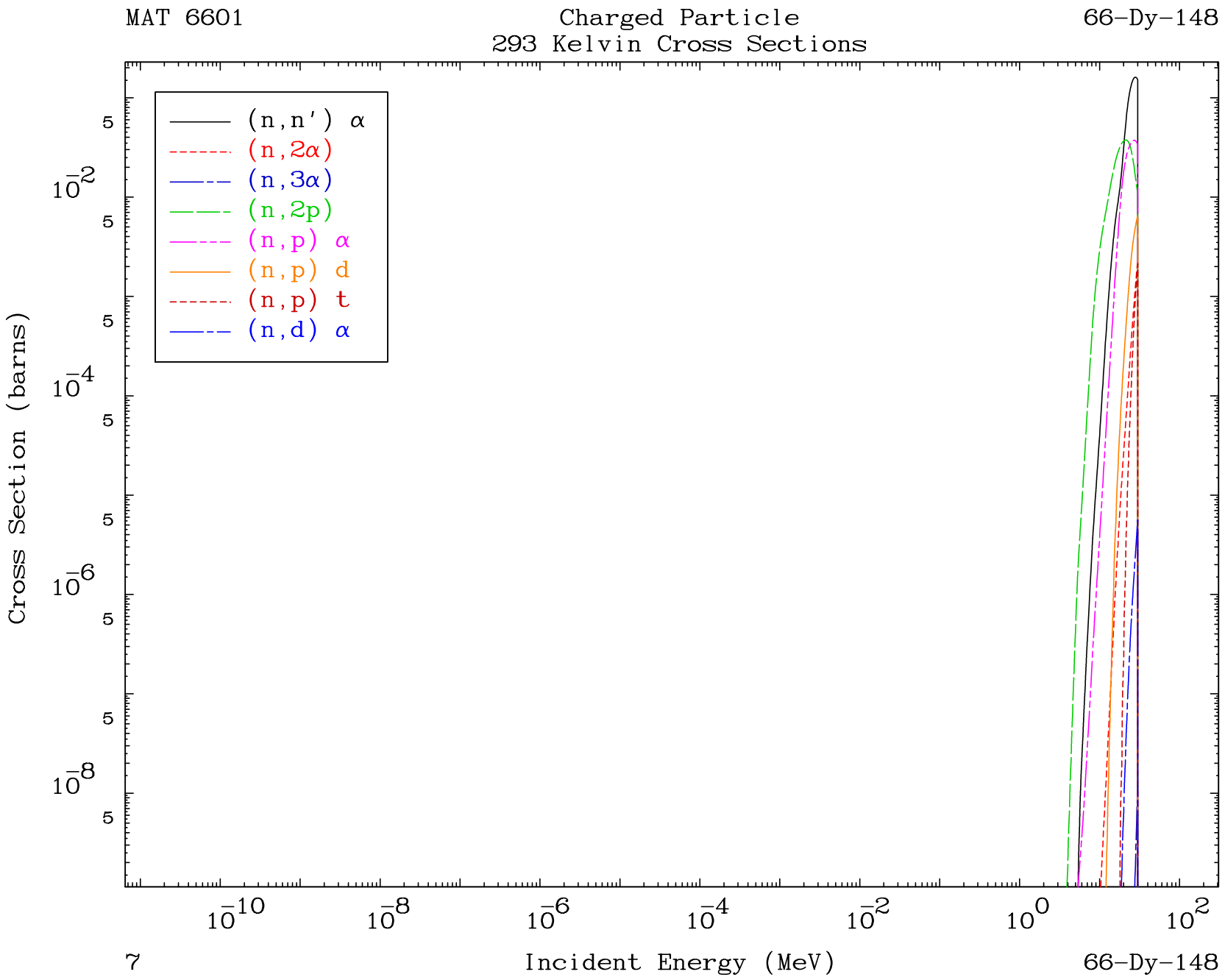

MAT 6601
Neutron Absorption
293 Kelvin Cross Sections
66-Dy-148
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
66-Dy-148
2

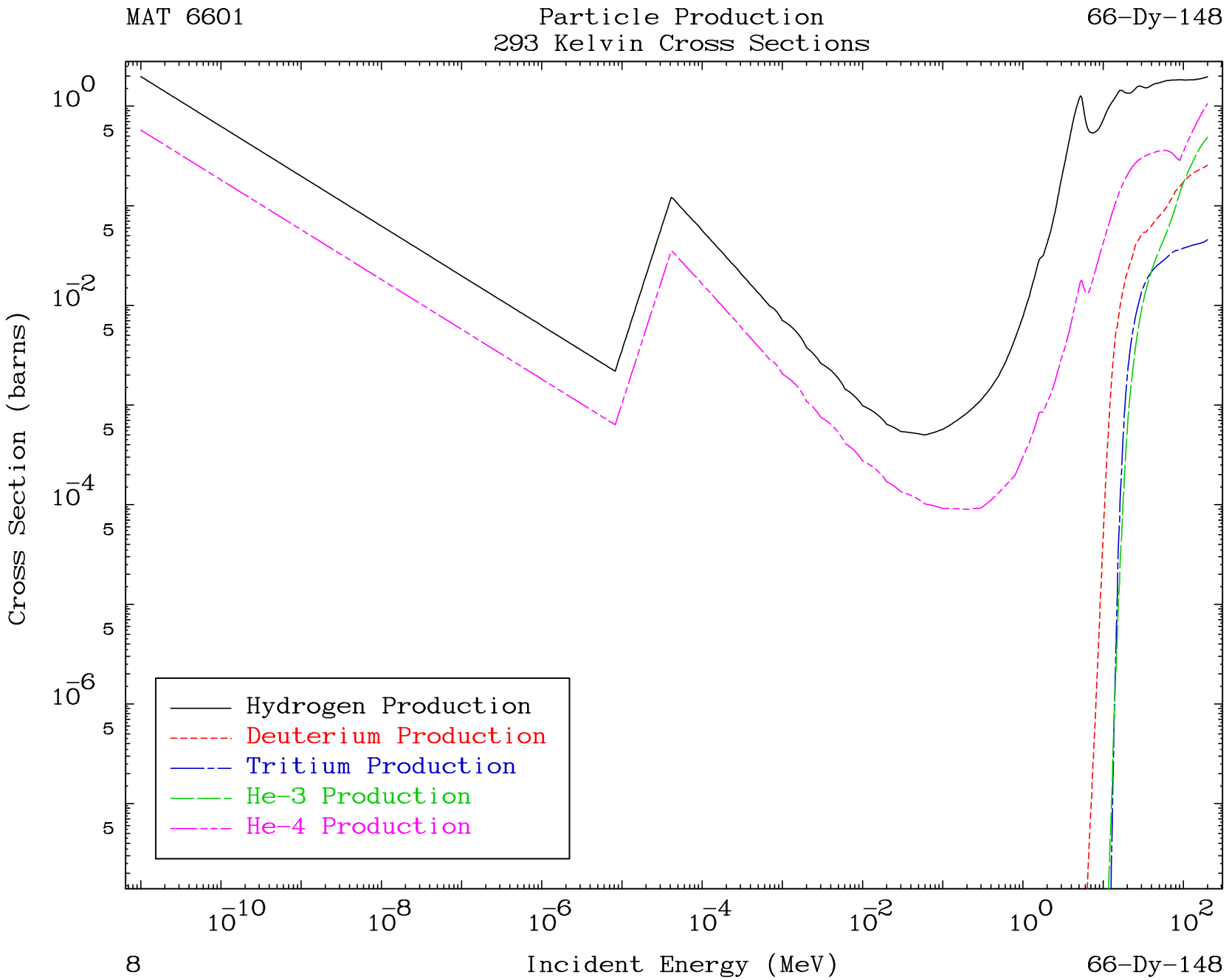

MAT 6601
Neutron Absorption
293 Kelvin Cross Sections
66-Dy-148
Cross Section (barns)
Incident Energy (MeV)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
3
66-Dy-148

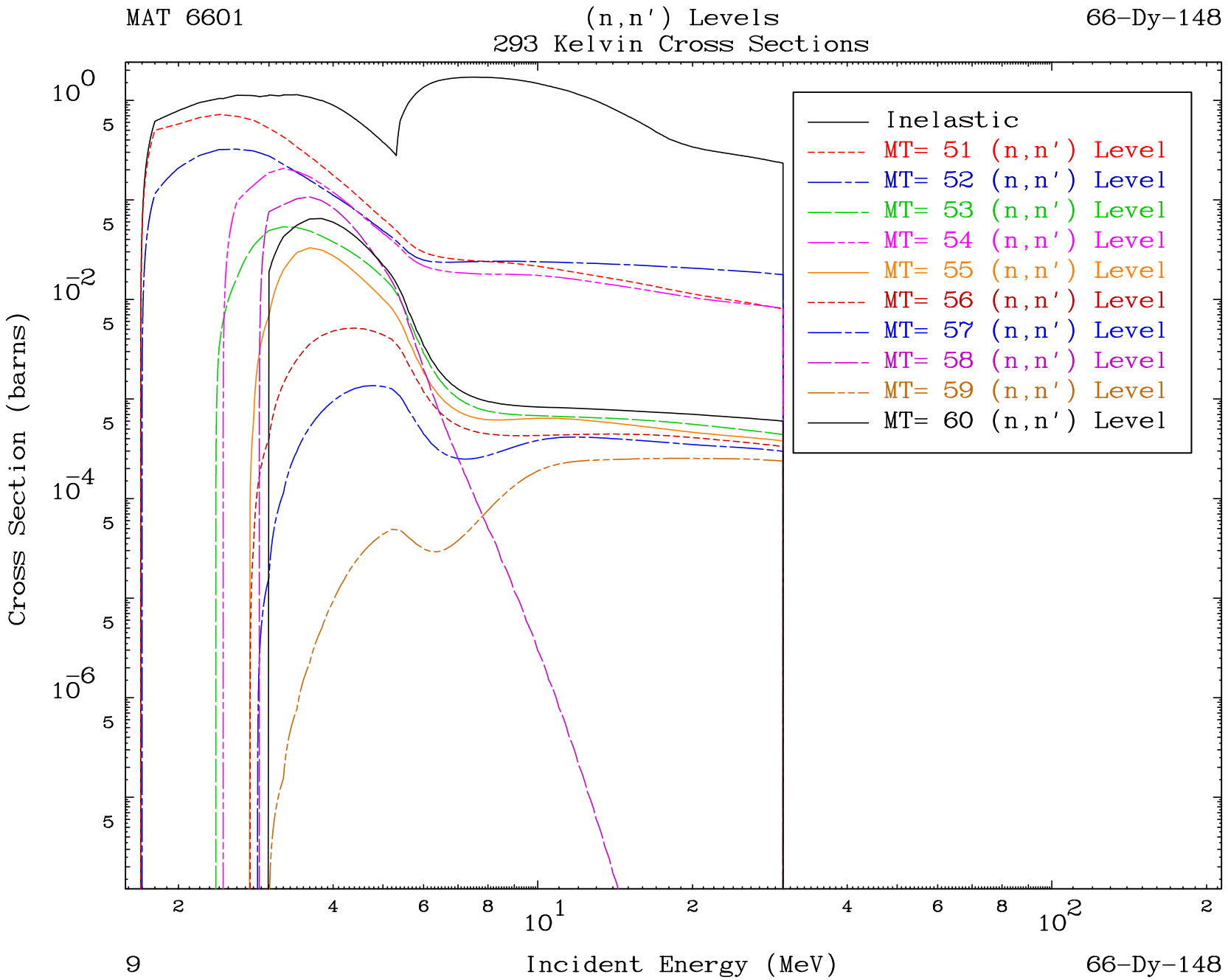

MAT 6601
Neutron Absorption
293 Kelvin Cross Sections
66-Dy-148
Cross Section (barns)
Incident Energy (MeV)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
4
66-Dy-148

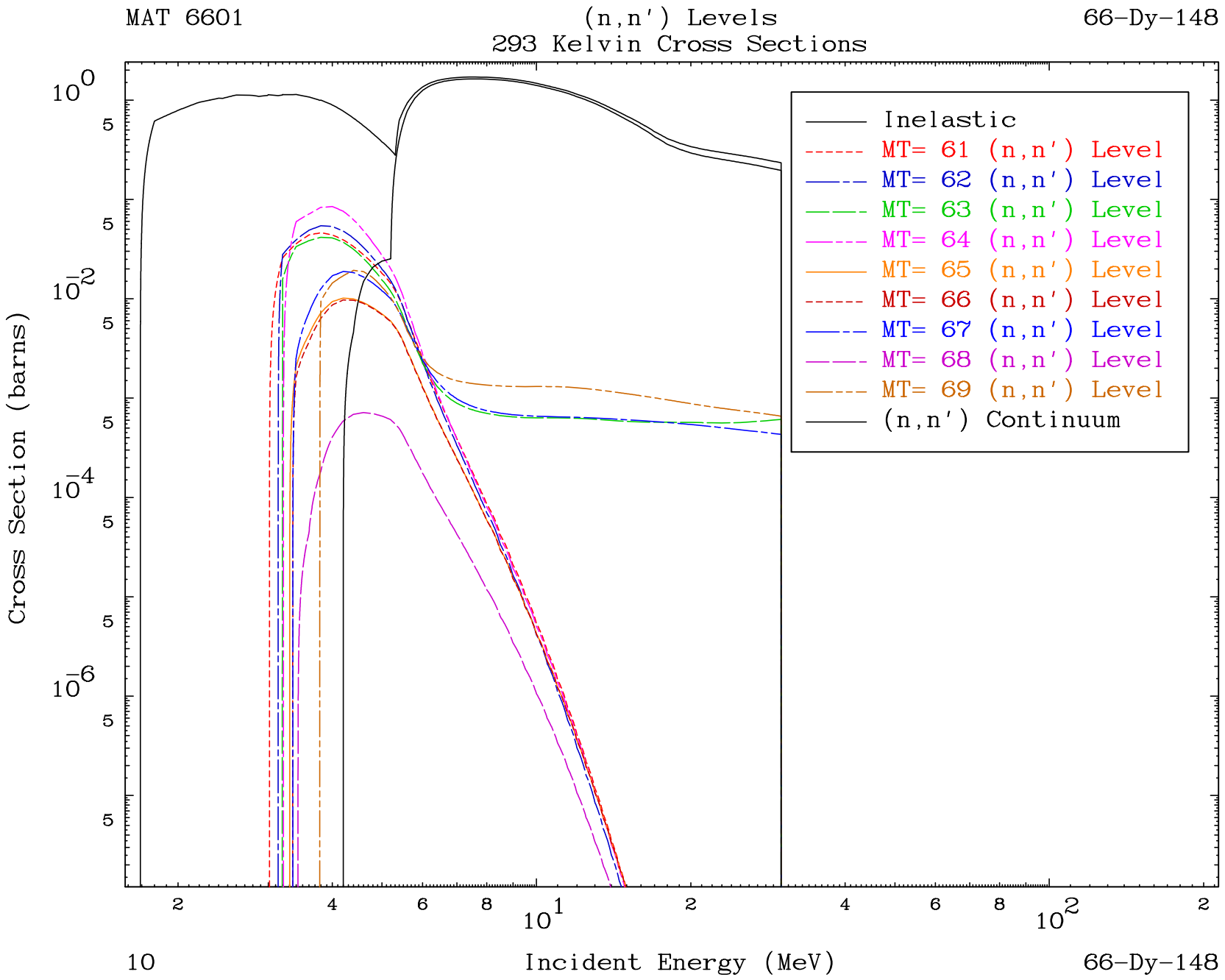

MAT 6601
Charged Particle
293 Kelvin Cross Sections
66-Dy-148
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
66-Dy-148
5

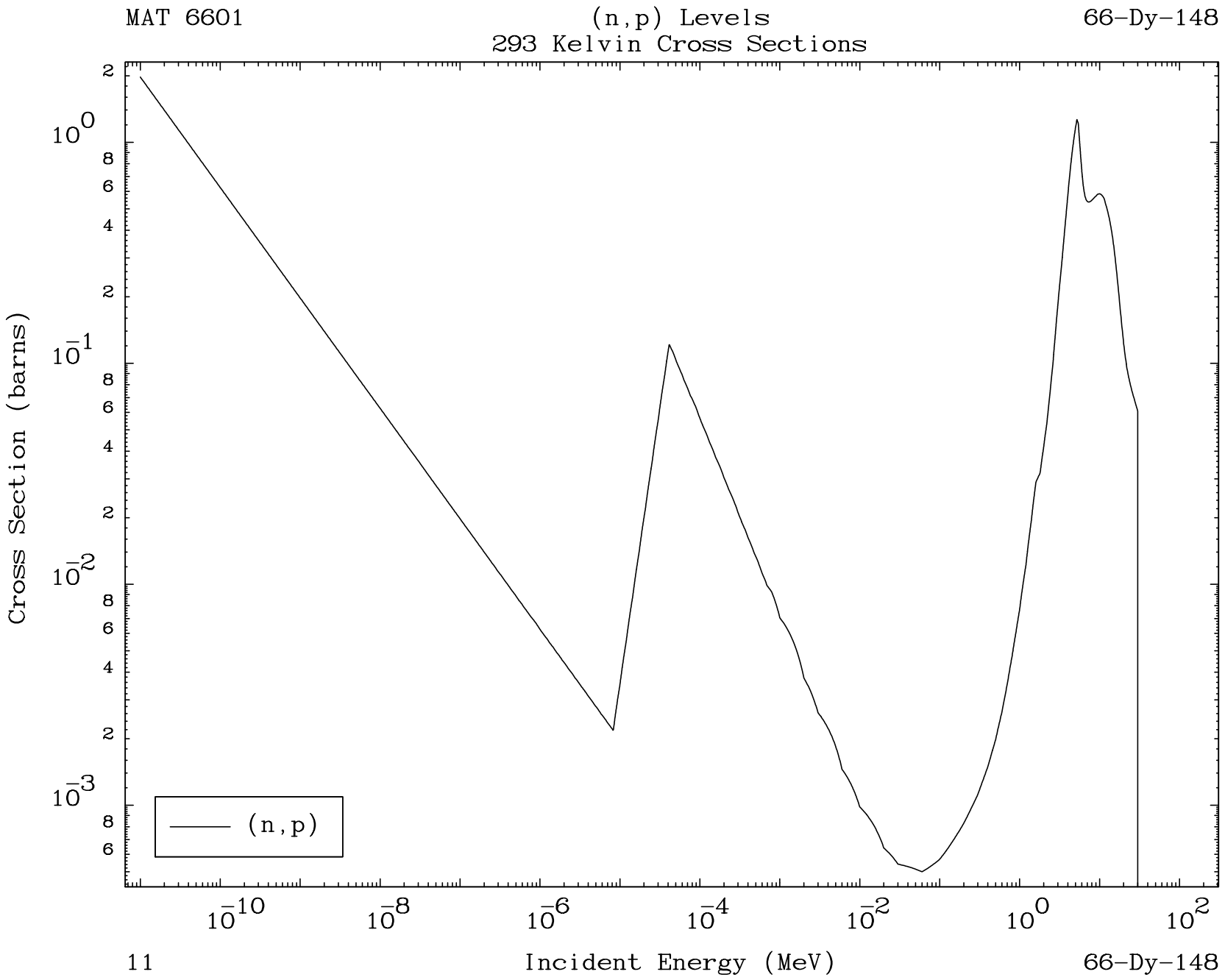

MAT 6601
Charged Particle
293 Kelvin Cross Sections
66-Dy-148
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
6
66-Dy-148

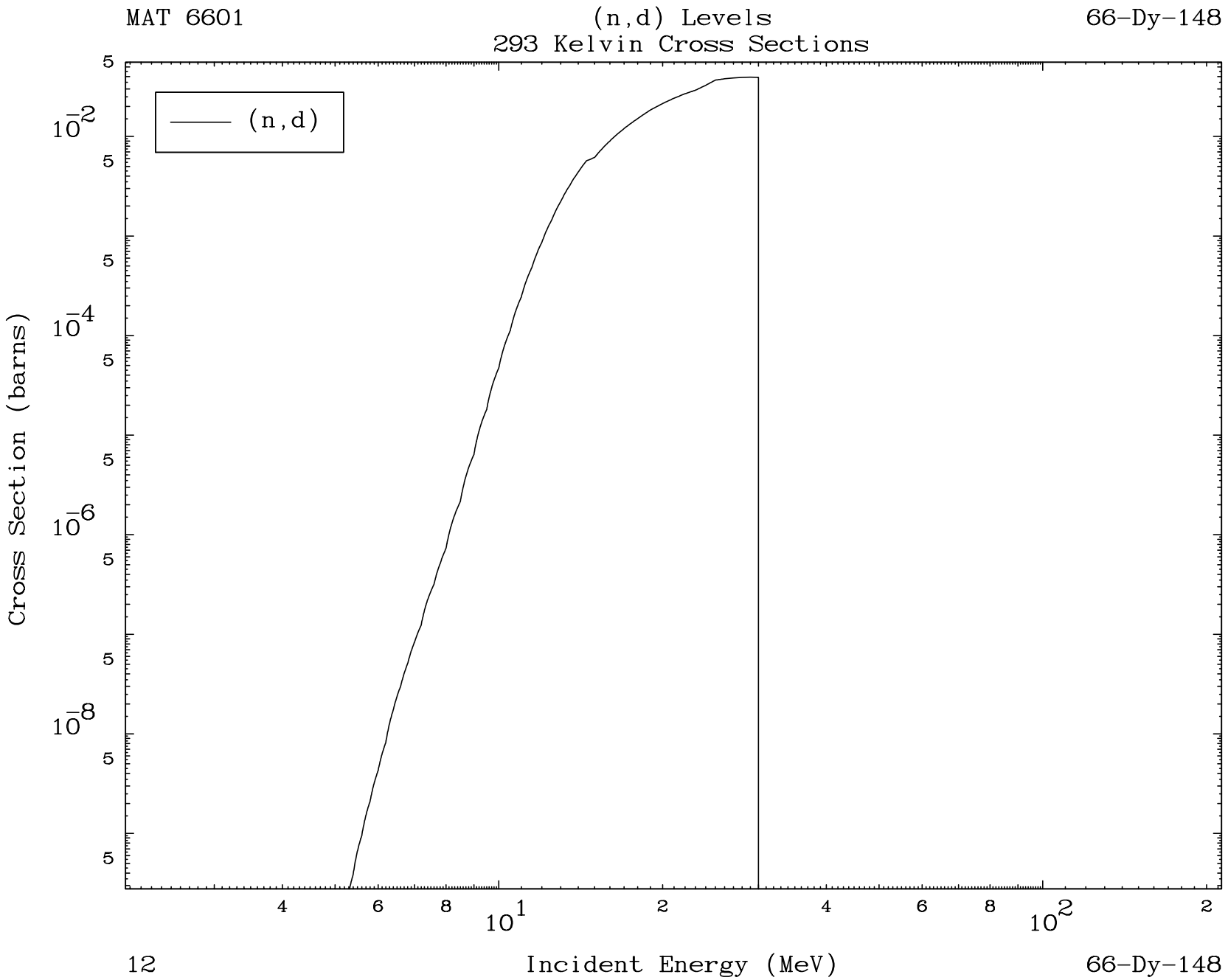

MAT 6601
Charged Particle
293 Kelvin Cross Sections
66-Dy-148
(n,n') α
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
66-Dy-148

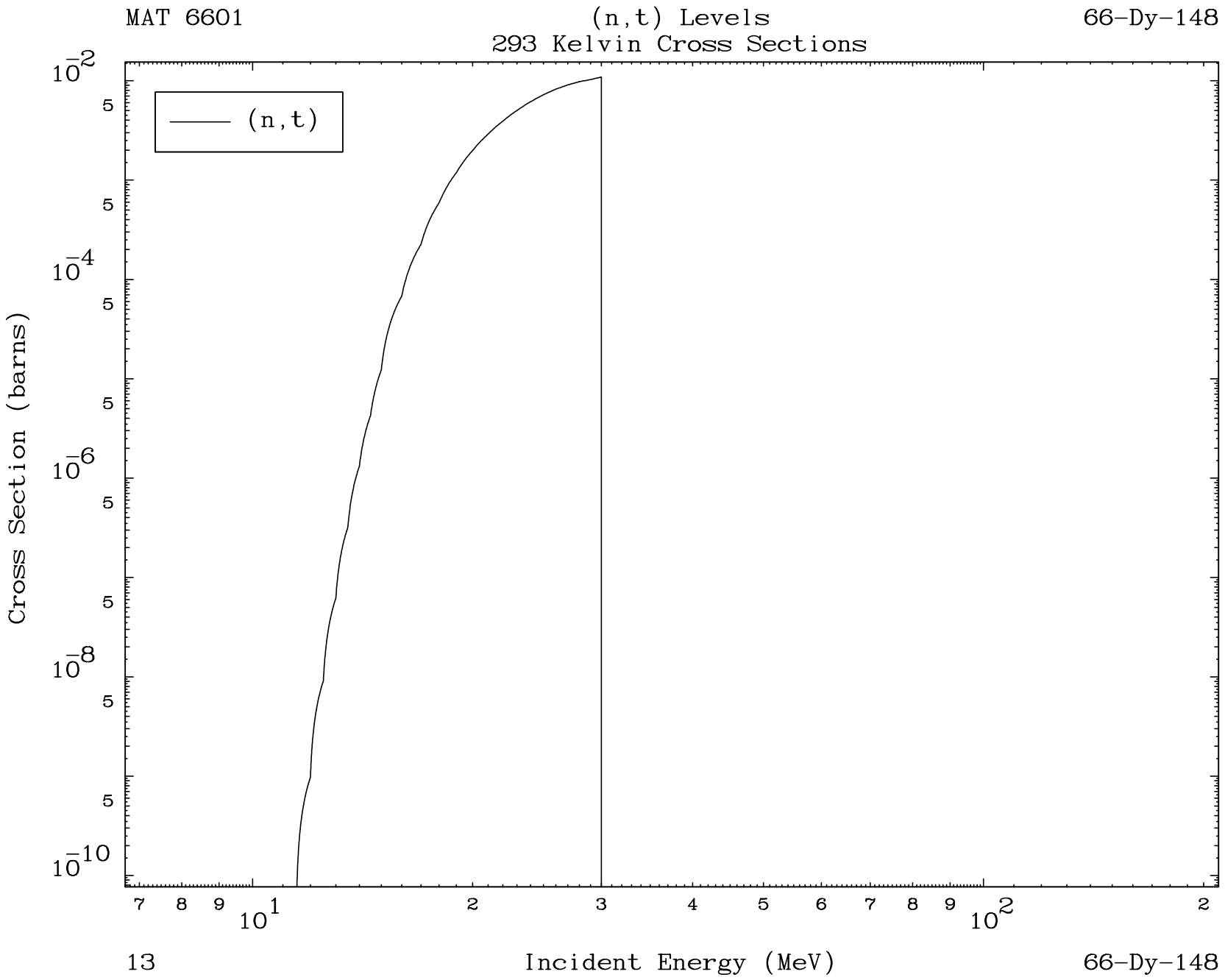

MAT 6601
Particle Production
293 Kelvin Cross Sections
66-Dy-148
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
8
66-Dy-148

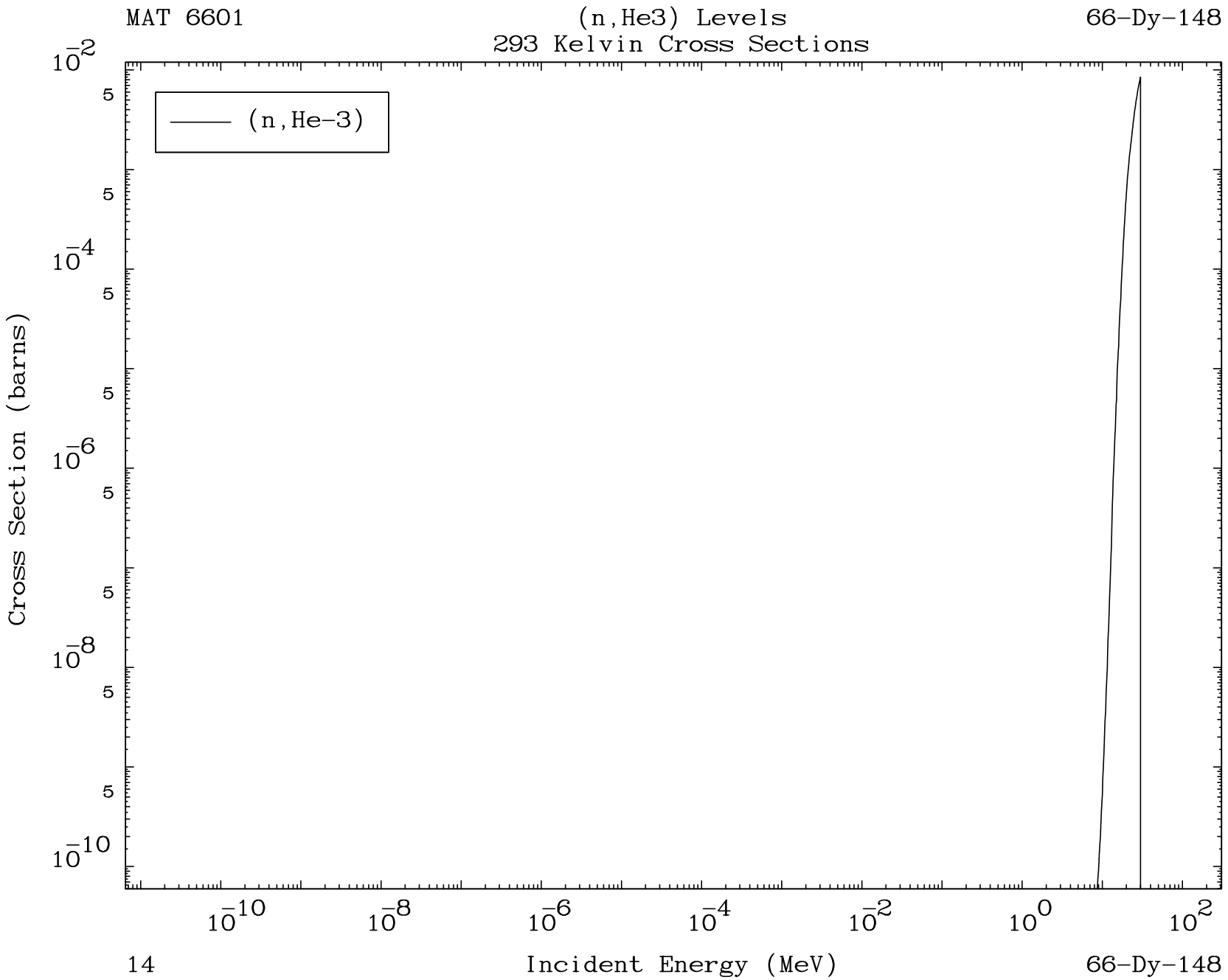

MAT 6601
(n,n') Levels
293 Kelvin Cross Sections
66-Dy-148
Cross Section (barns)
Incident Energy (MeV)
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
MT= 60 (n,n') Level
9
66-Dy-148

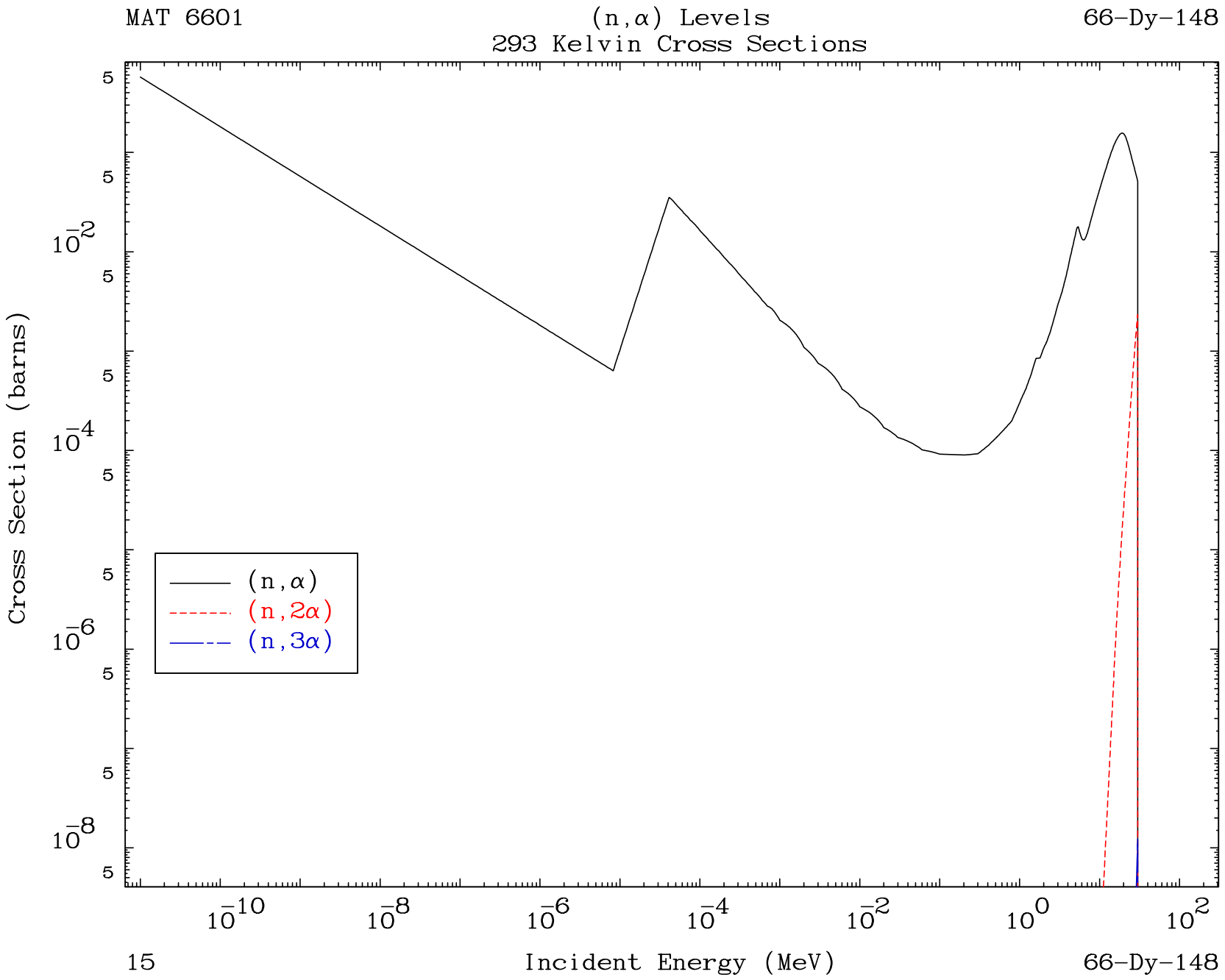

MAT 6601
(n,n') Levels
293 Kelvin Cross Sections
66-Dy-148
Cross Section (barns)
Incident Energy (MeV)
66-Dy-148
Inelastic
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
(n,n') Continuum

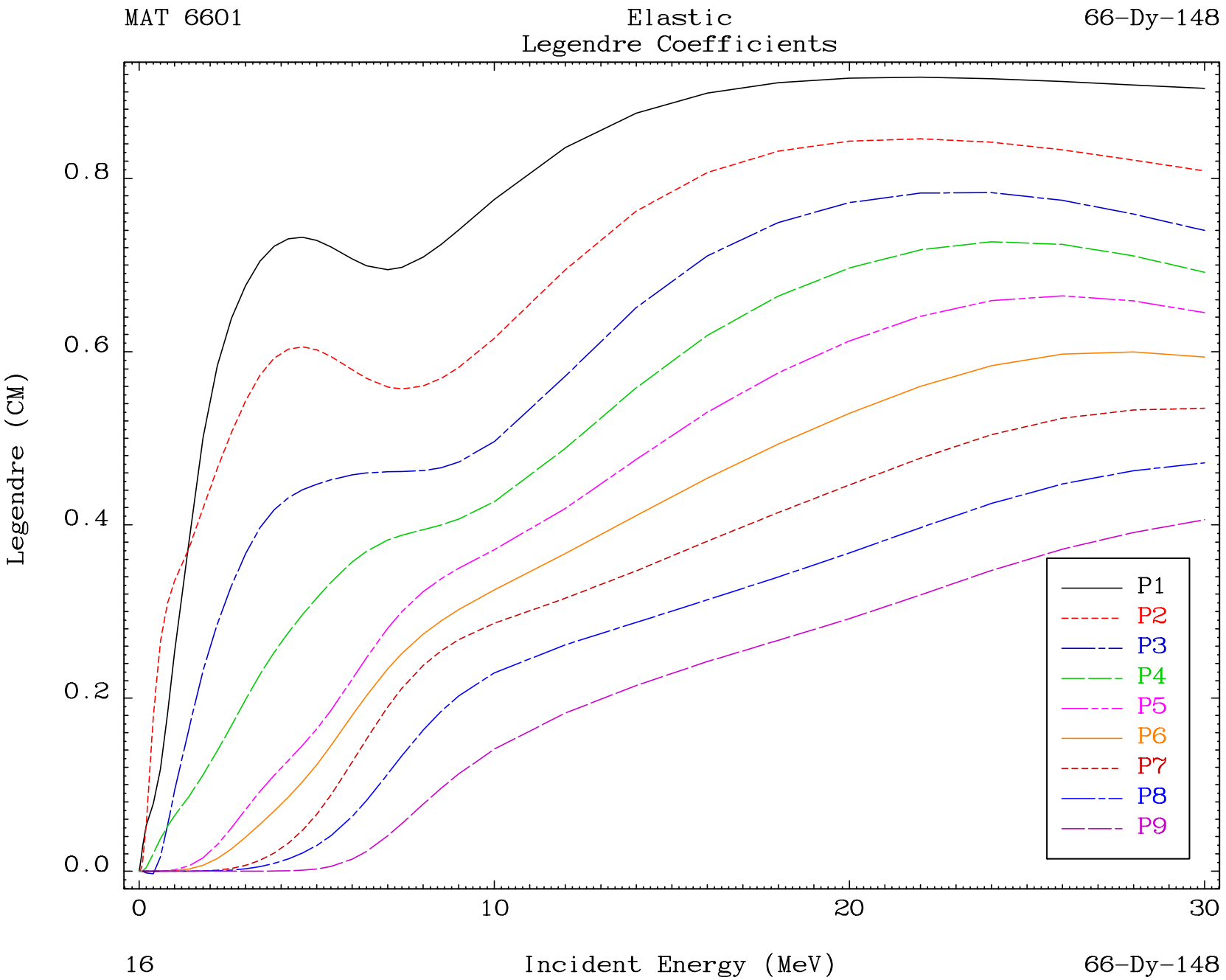

MAT 6601
(n,p) Levels
66-Dy-148
293 Kelvin Cross Sections
Cross Section (barns)
(n,p)
Incident Energy (MeV)
11
66-Dy-148

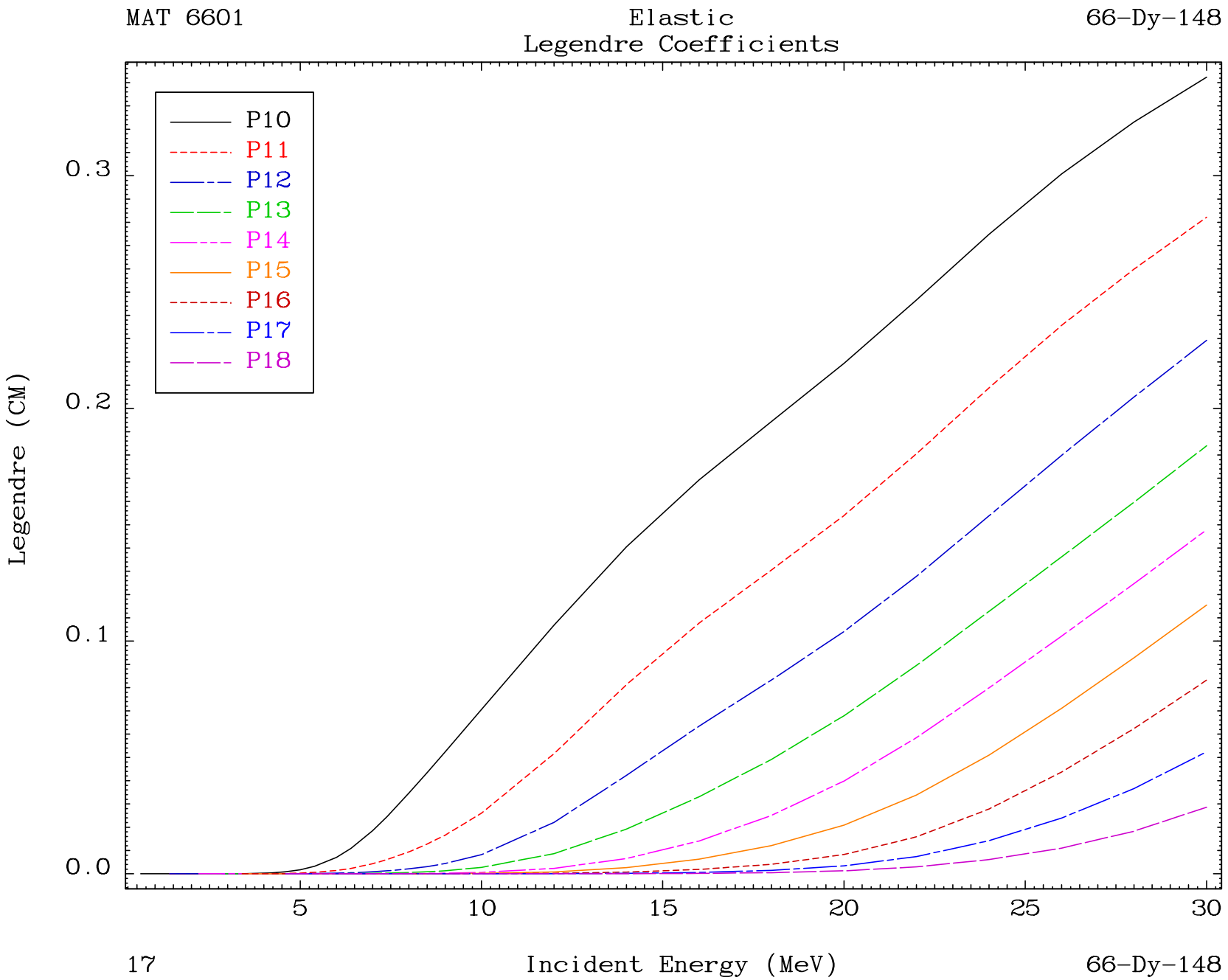

MAT 6601
(n,d) Levels
66-Dy-148
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
12
66-Dy-148

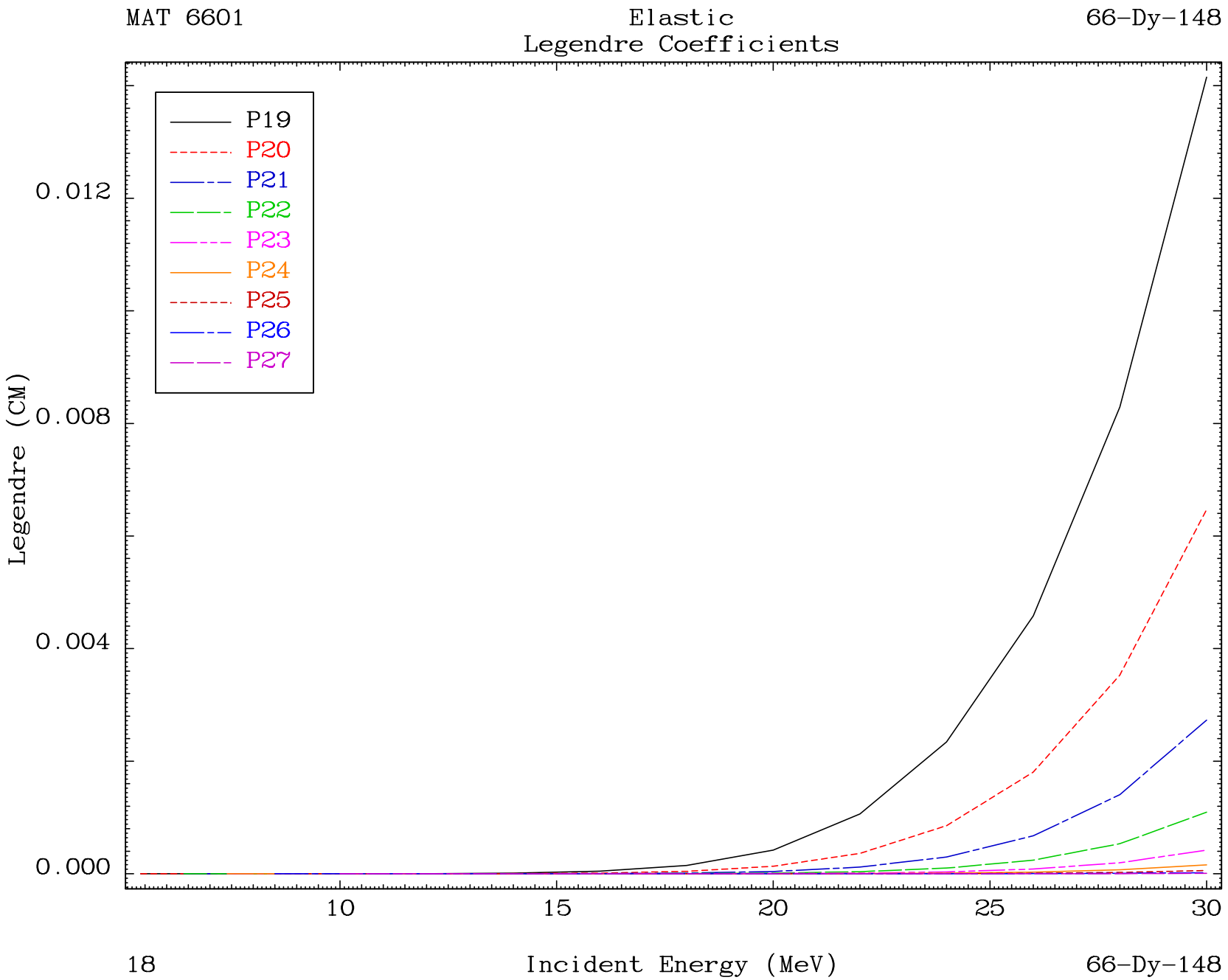

MAT 6601
(n,t) Levels
66-Dy-148
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
13
66-Dy-148

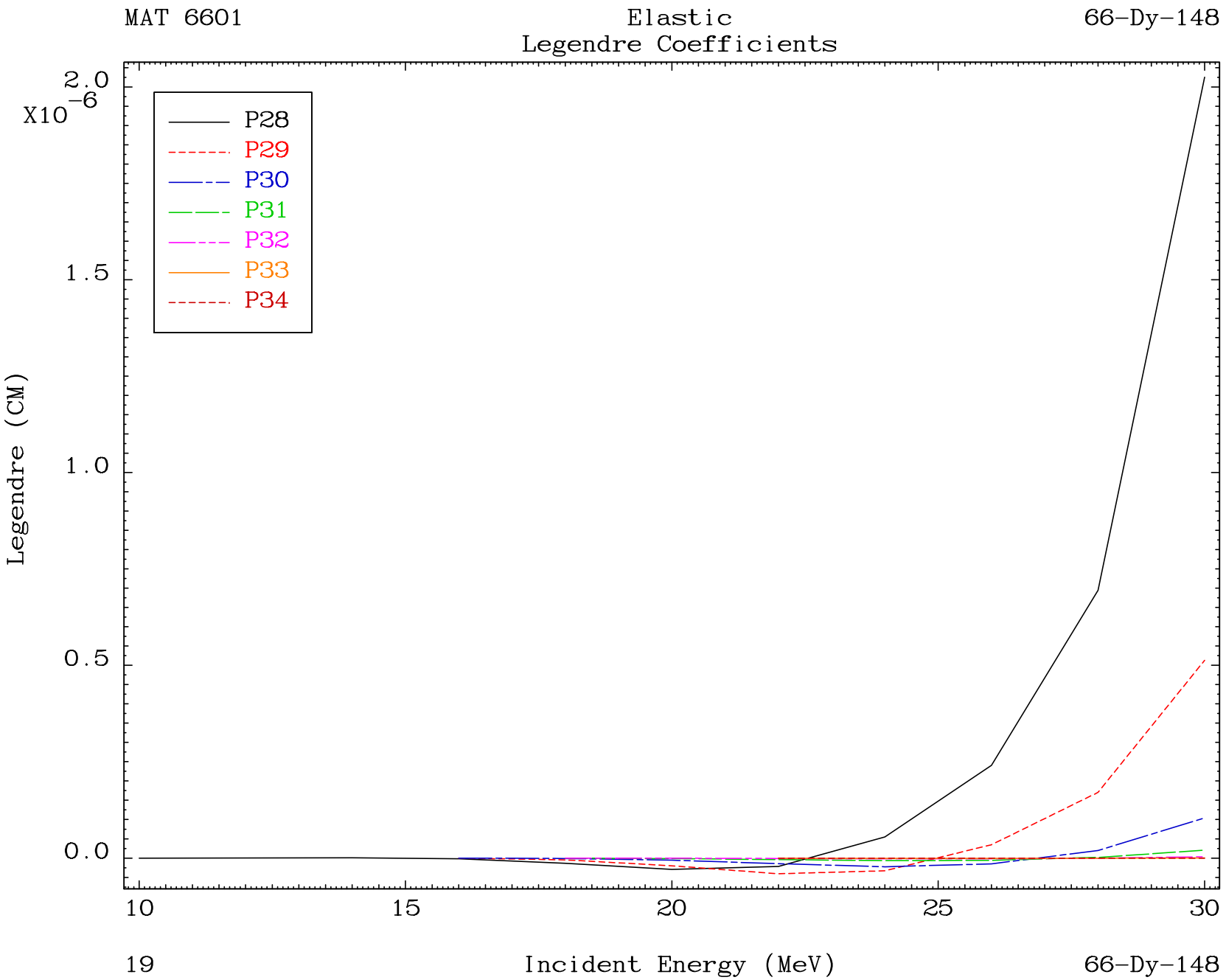

MAT 6601
(n,He3) Levels
66-Dy-148
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
14
66-Dy-148

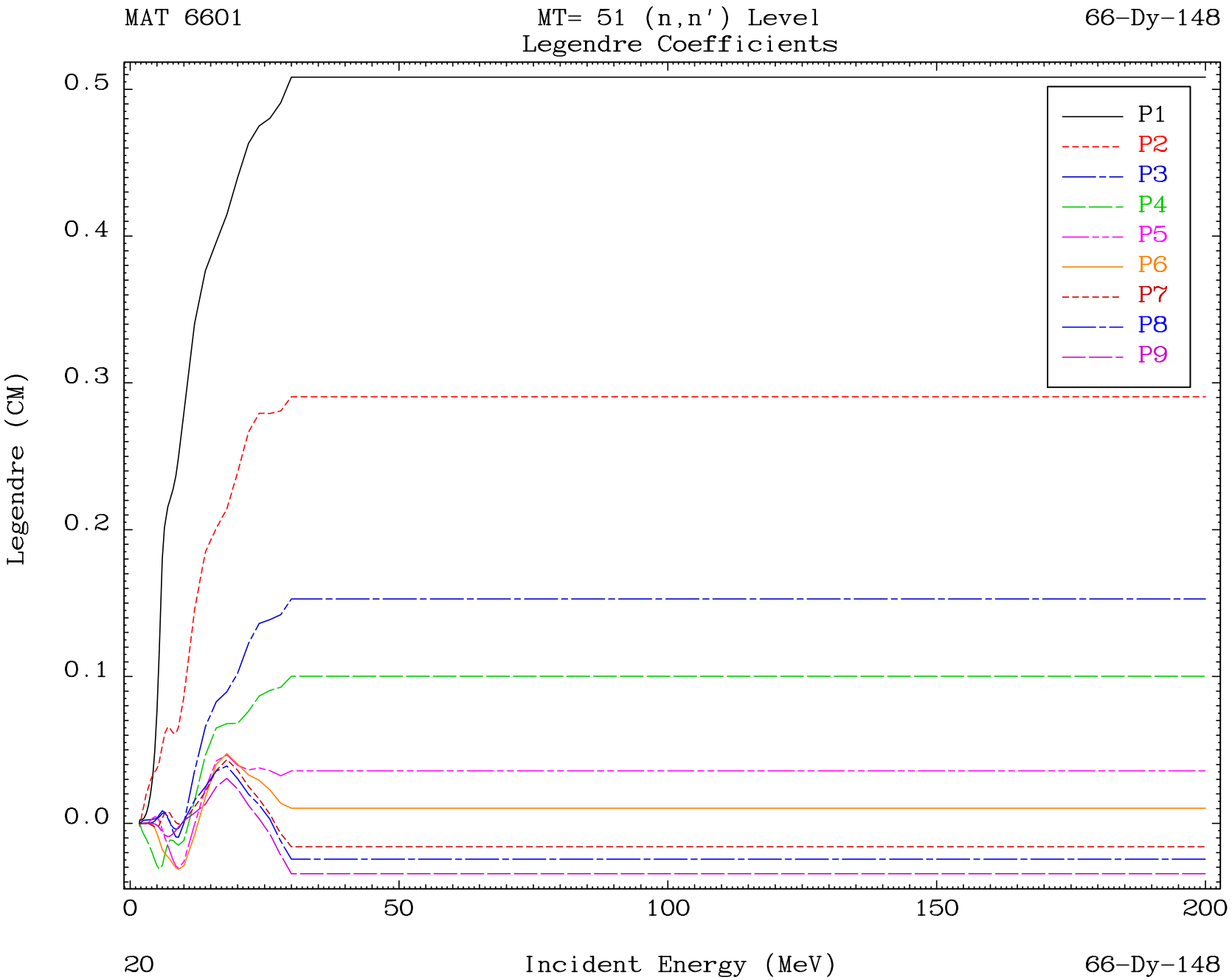

MAT 6601
(n,α) Levels
66-Dy-148
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
(n,α)
(n,2α)
(n,3α)
15
66-Dy-148

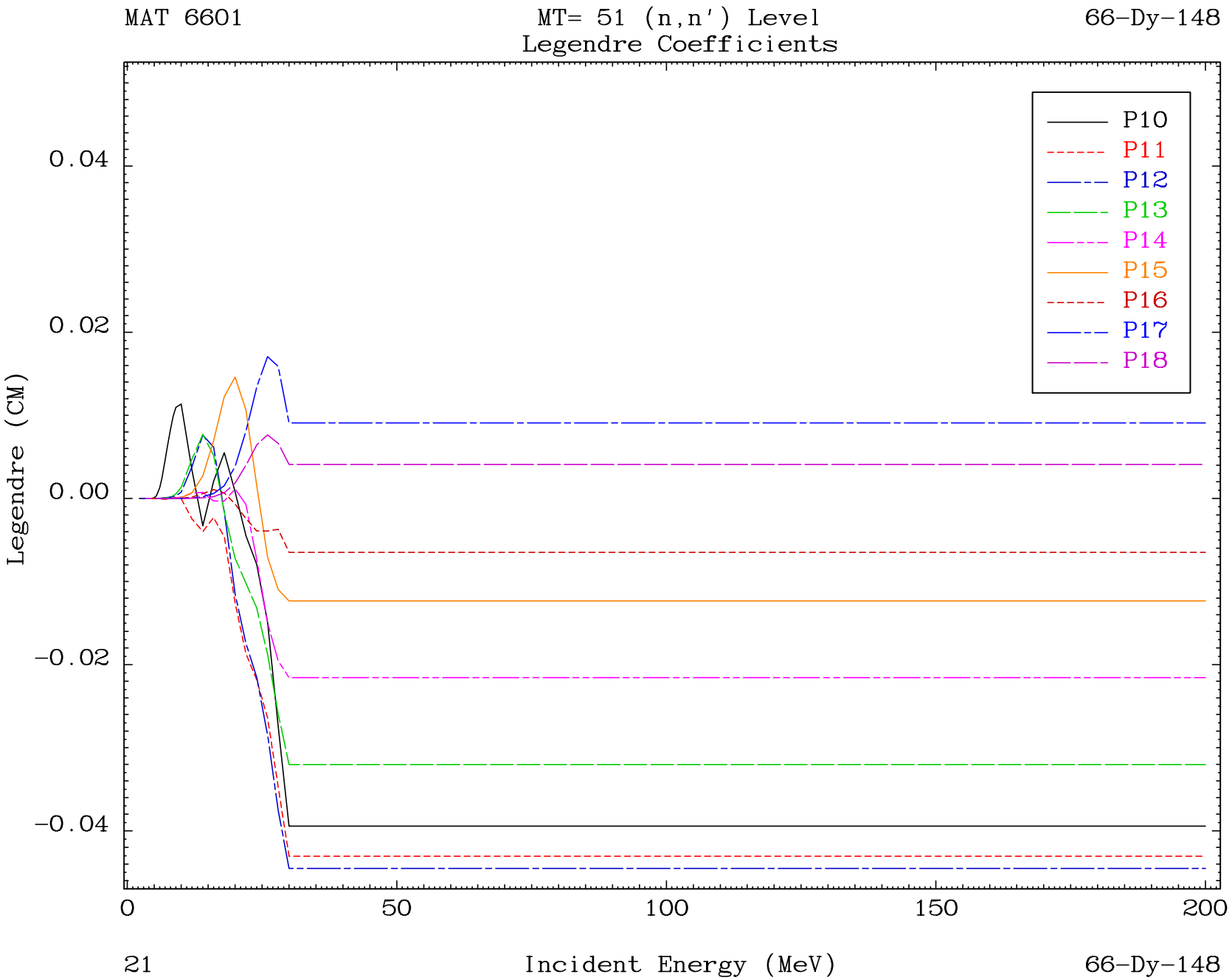

MAT 6601
Elastic
Legendre Coefficients
66-Dy-148
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
16
Incident Energy (MeV)
66-Dy-148
P1
P2
P3
P4
P5
P6
P7
P8
P9

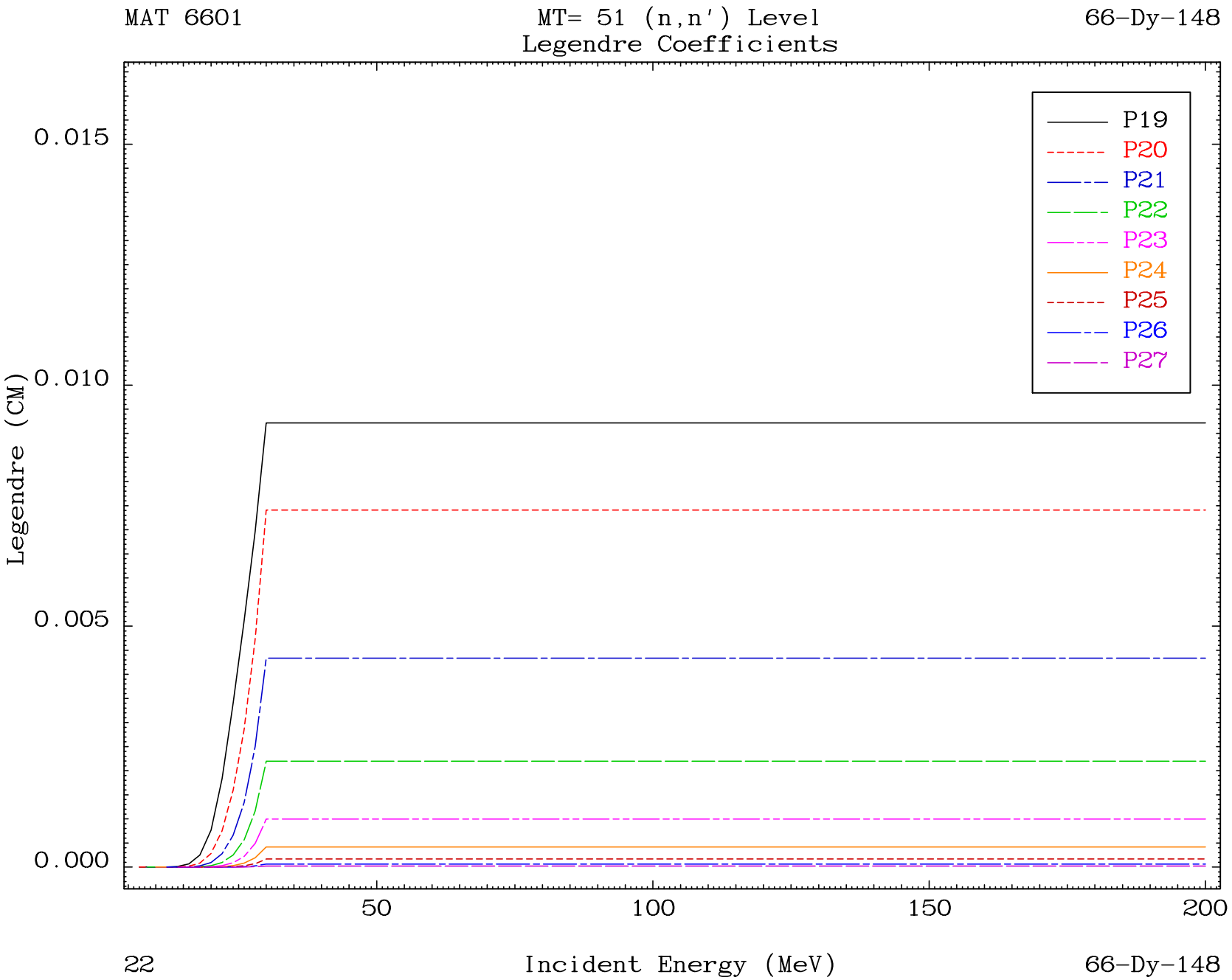

MAT 6601
Elastic
Legendre Coefficients
66-Dy-148
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.0
0.1
0.2
0.3
5
10
15
20
25
30
17
Incident Energy (MeV)
66-Dy-148

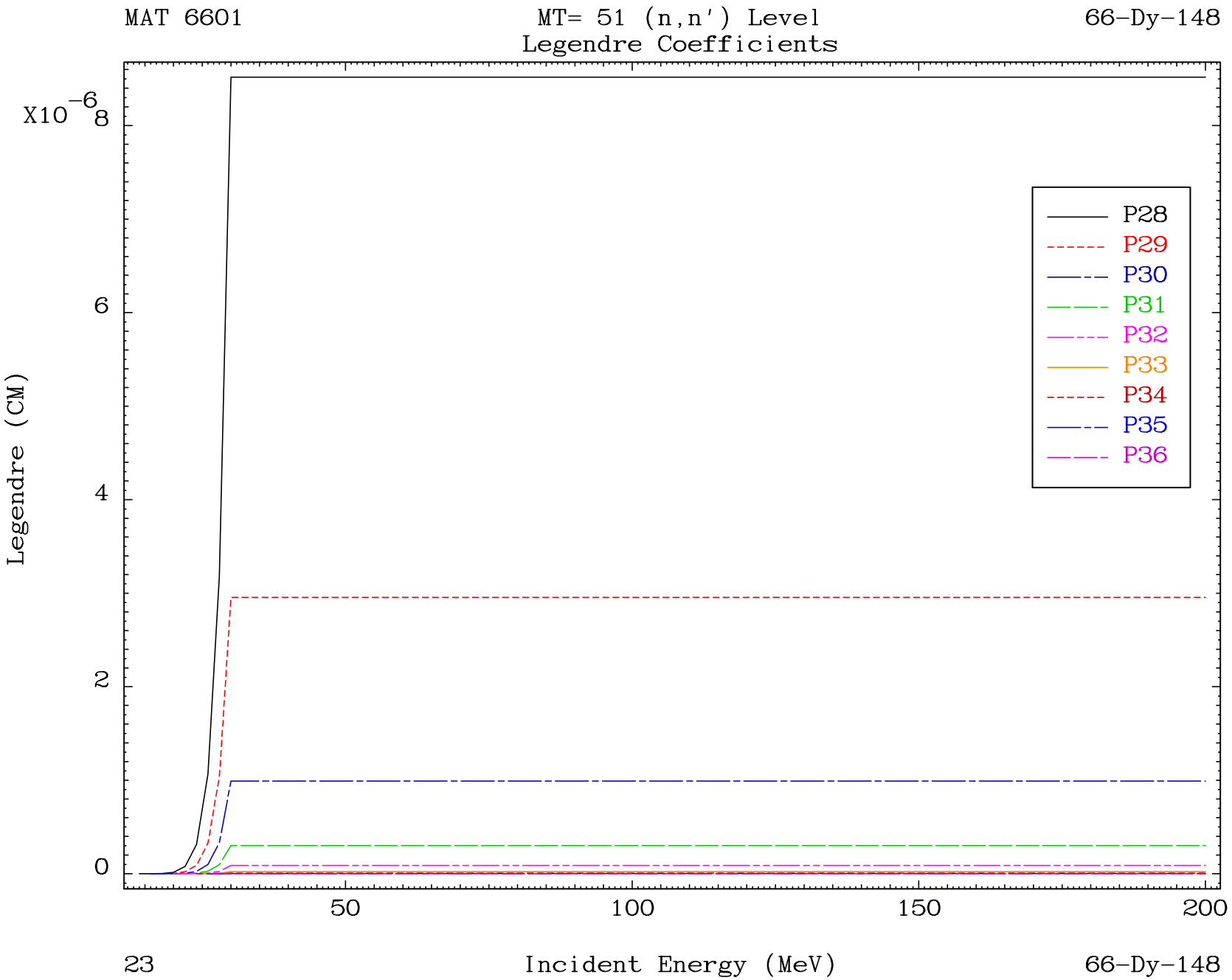

MAT 6601
Elastic
Legendre Coefficients
66-Dy-148
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.012
0.008
0.004
0.000
Legendre (CM)
10
15
20
25
30
18
Incident Energy (MeV)
66-Dy-148

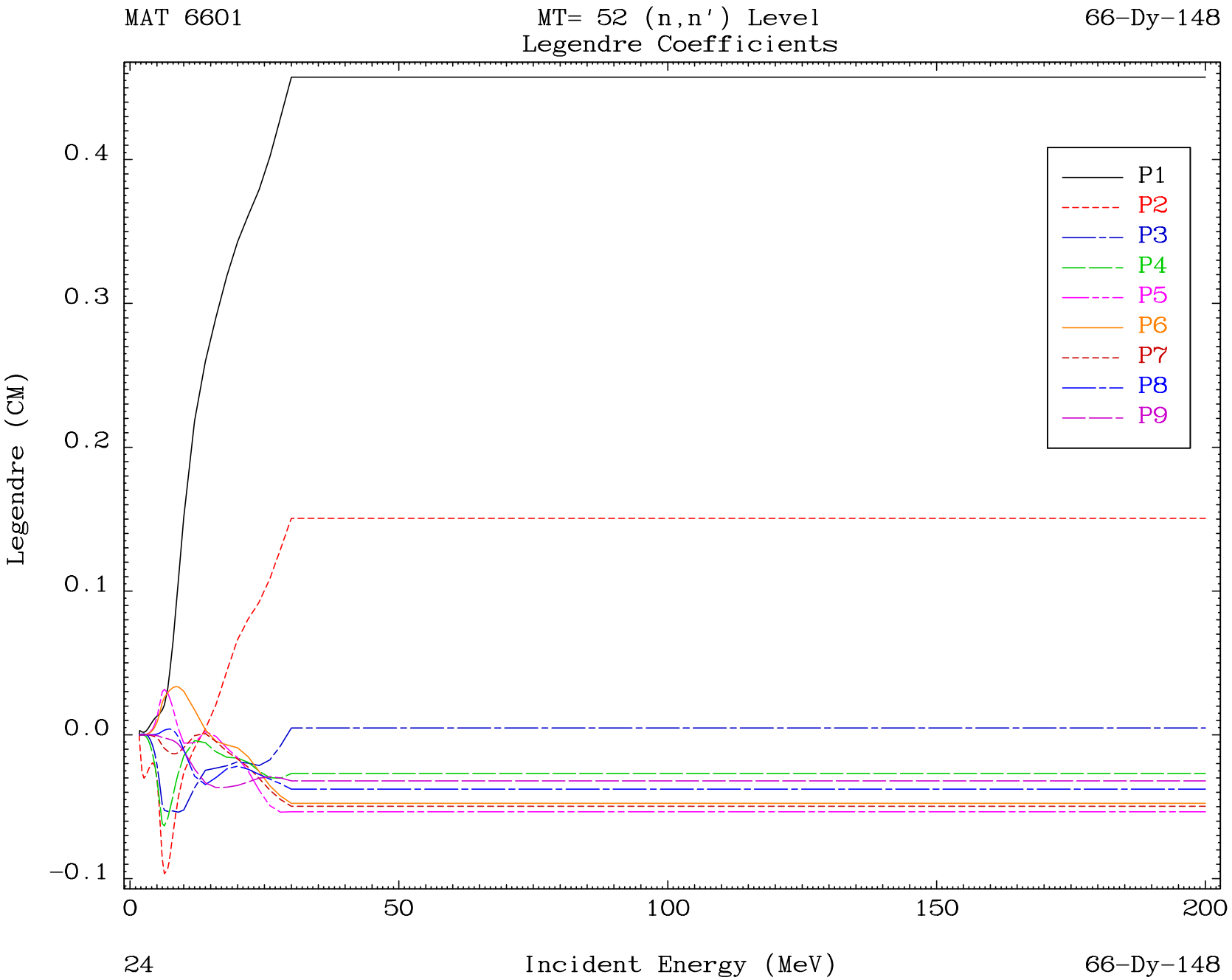

MAT 6601
Elastic
Legendre Coefficients
66-Dy-148
X10 -6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
10
15
20
25
30
19
Incident Energy (MeV)
66-Dy-148

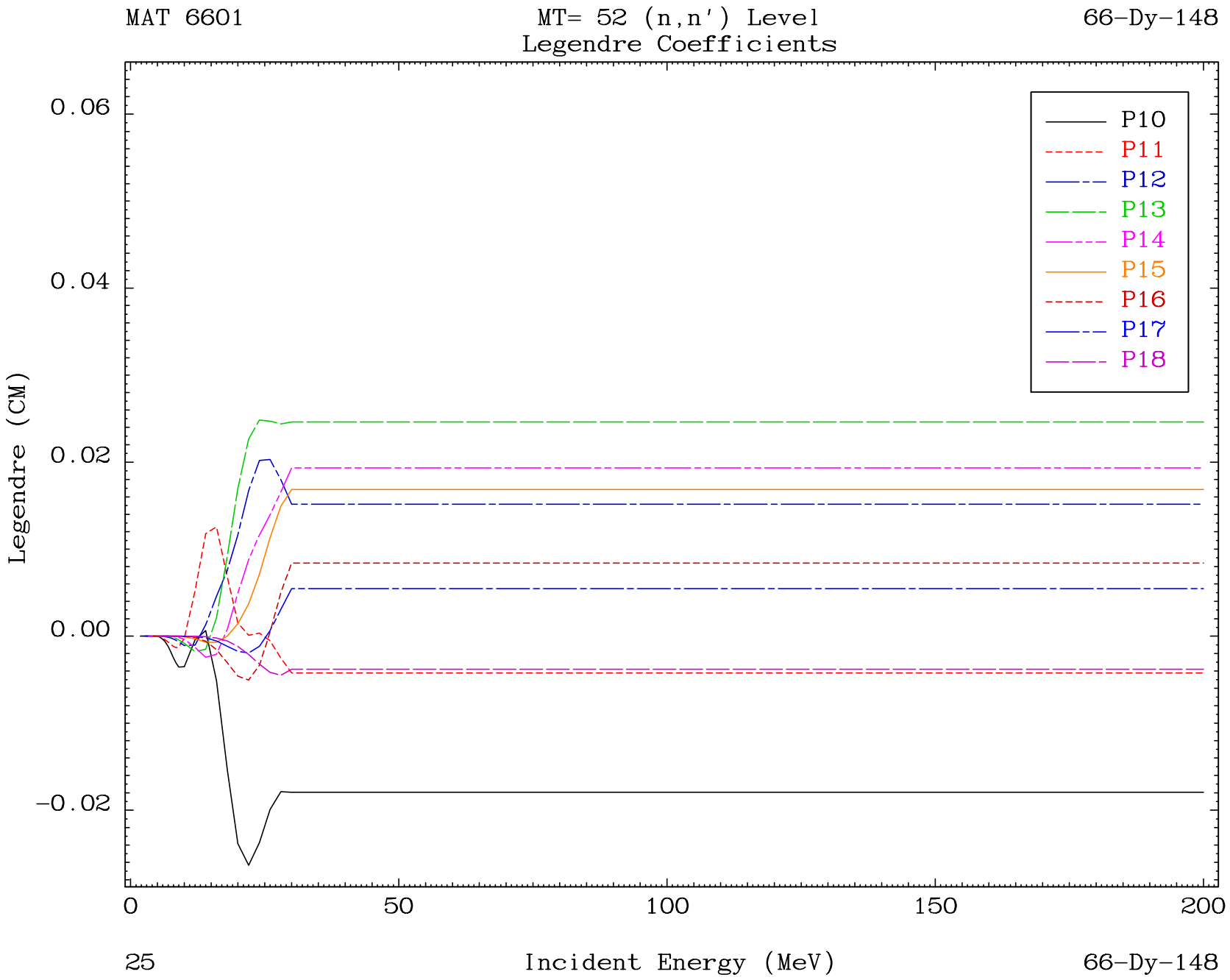

MAT 6601
MT= 51 (n,n') Level
Legendre Coefficients
66-Dy-148
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
20
Incident Energy (MeV)
66-Dy-148
P1
P2
P3
P4
P5
P6
P7
P8
P9

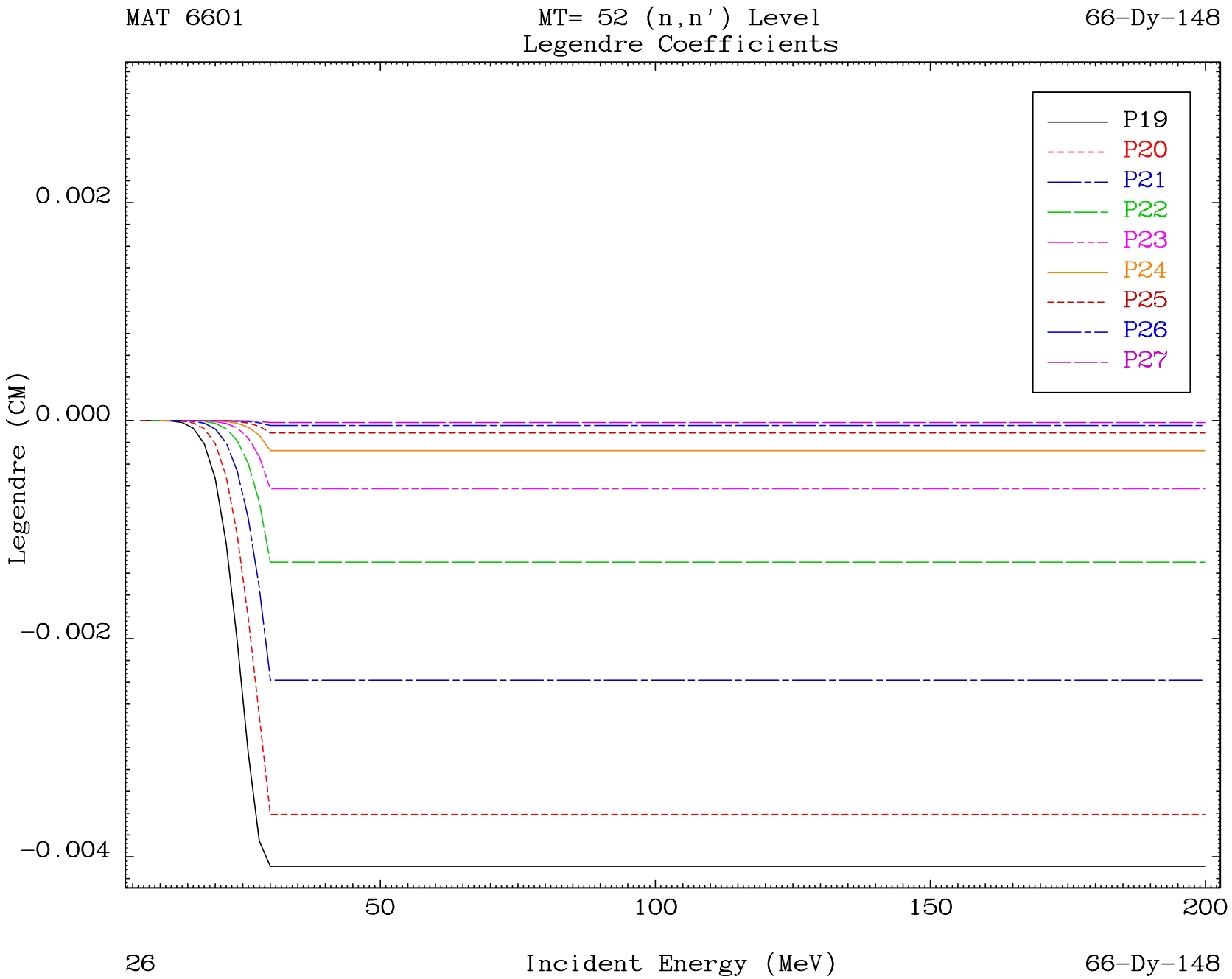

MAT 6601
MT= 51 (n,n') Level
Legendre Coefficients
66-Dy-148
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
21
Incident Energy (MeV)
66-Dy-148

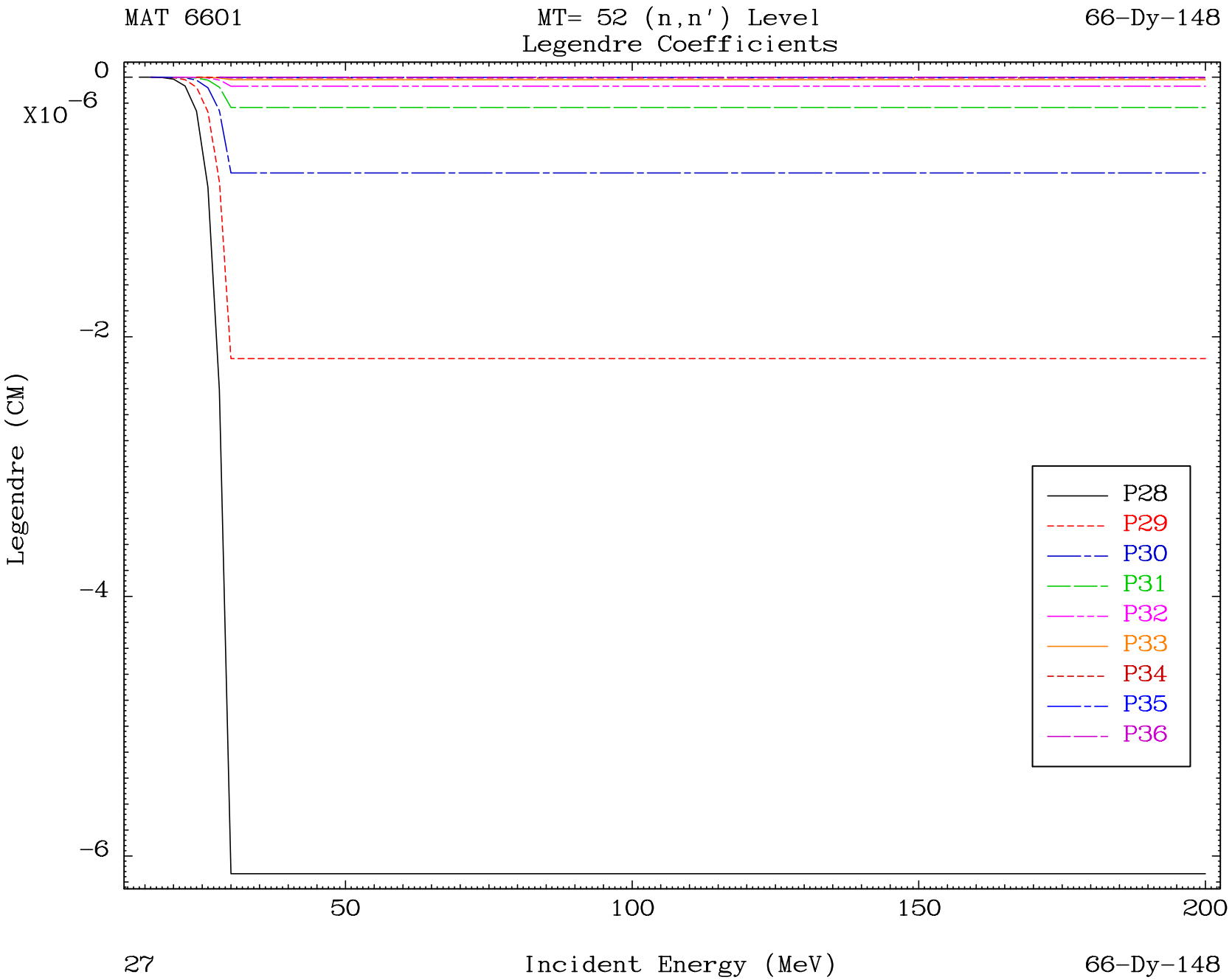

MAT 6601
MT= 51 (n,n') Level
Legendre Coefficients
66-Dy-148
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
22
Incident Energy (MeV)
66-Dy-148

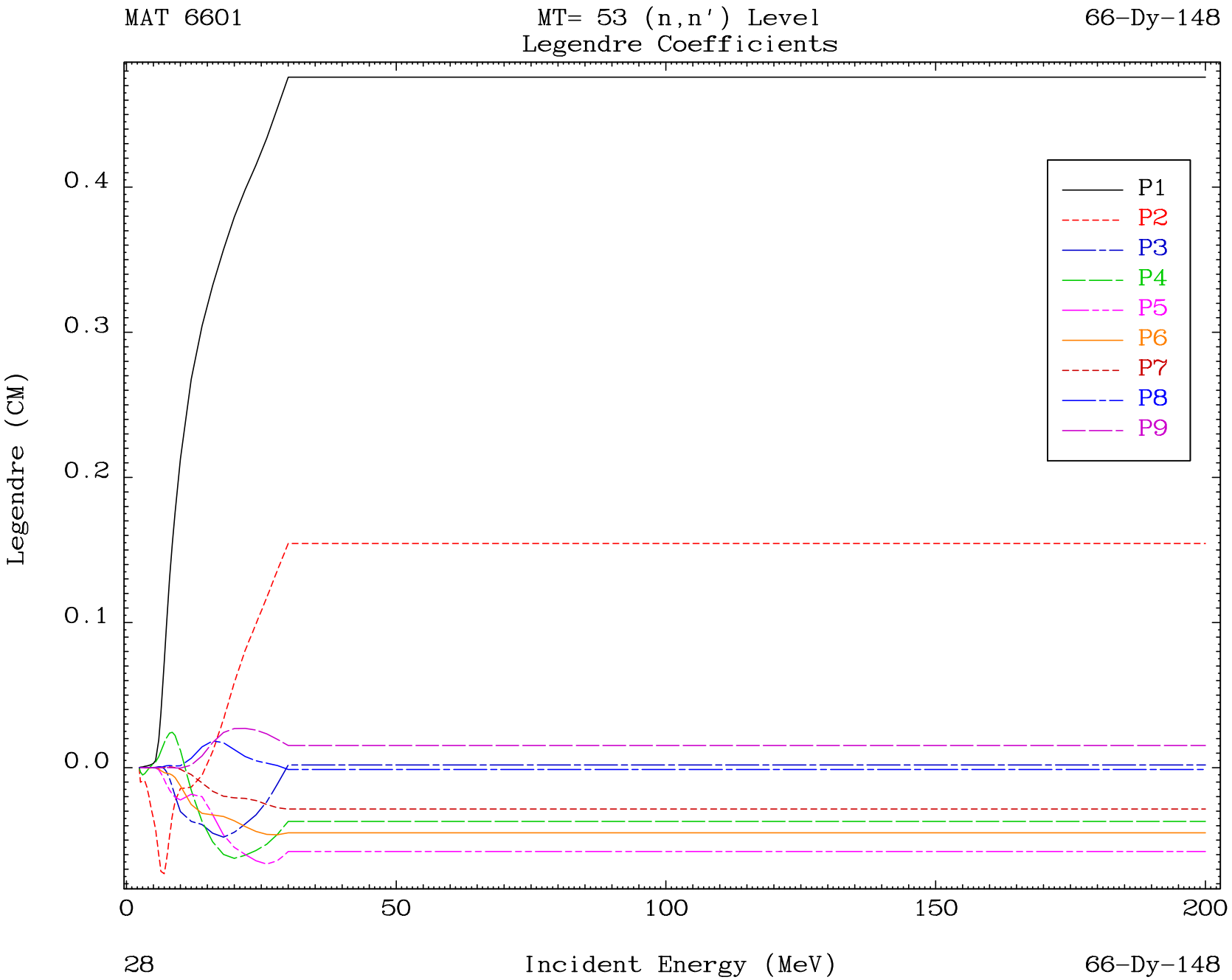

MAT 6601
MT= 51 (n,n') Level
Legendre Coefficients
66-Dy-148
X10 -6
8
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
23
Incident Energy (MeV)
66-Dy-148

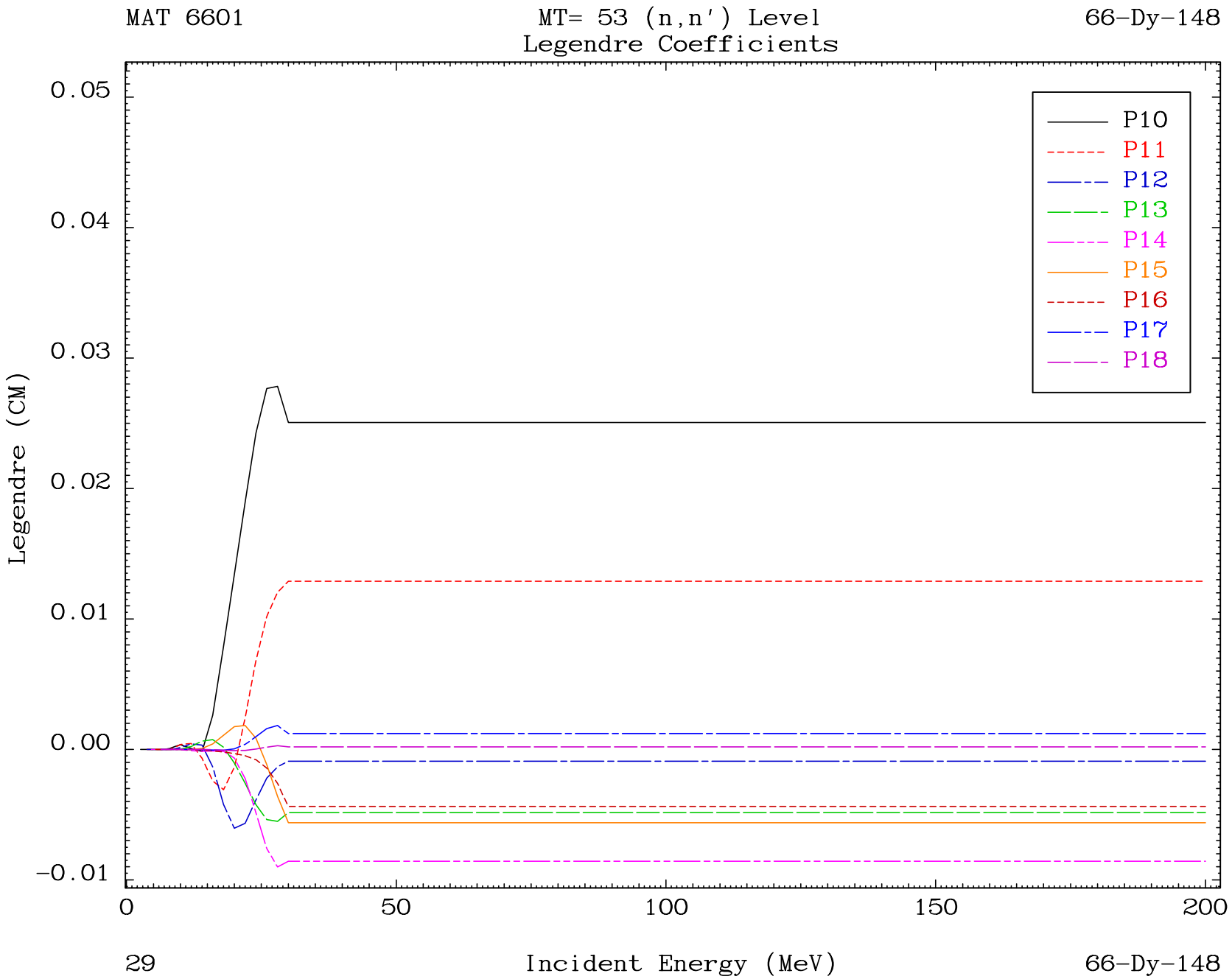

MAT 6601
MT= 52 (n,n') Level
Legendre Coefficients
66-Dy-148
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
24
66-Dy-148
P1
P2
P3
P4
P5
P6
P7
P8
P9

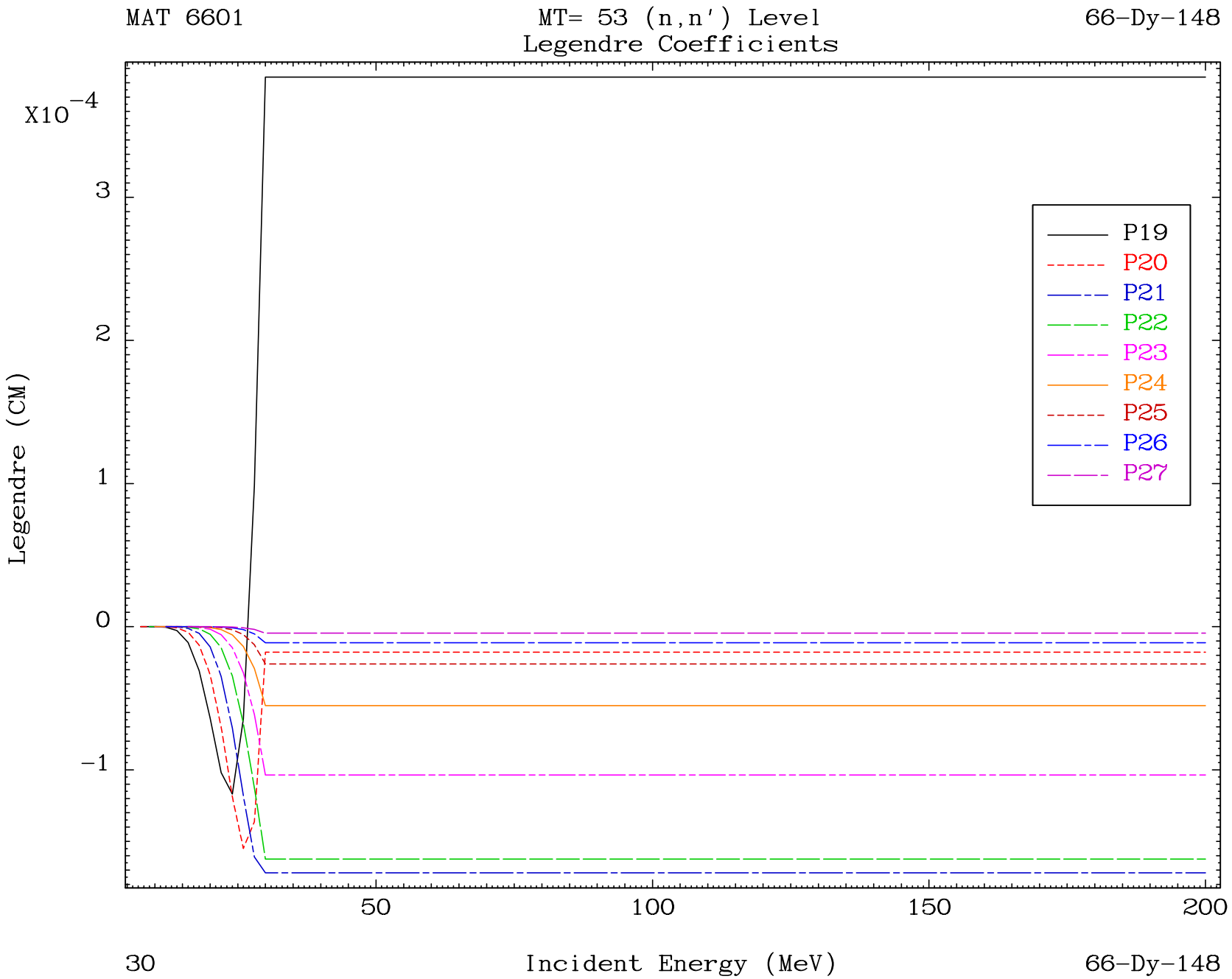

MAT 6601
MT= 52 (n,n') Level
Legendre Coefficients
66-Dy-148
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
25
Incident Energy (MeV)
66-Dy-148

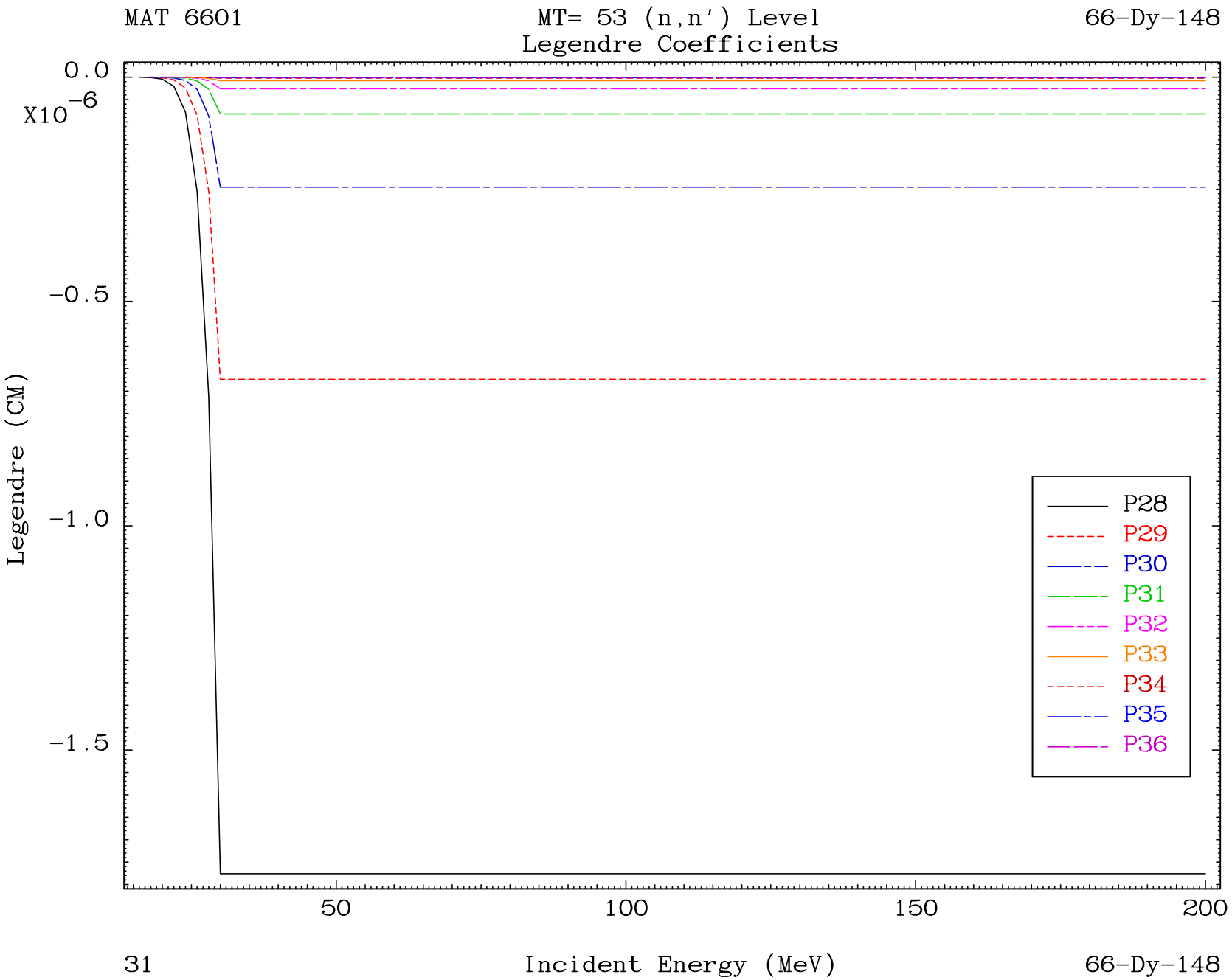

MAT 6601
MT= 52 (n,n') Level
Legendre Coefficients
66-Dy-148
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
26
Incident Energy (MeV)
66-Dy-148

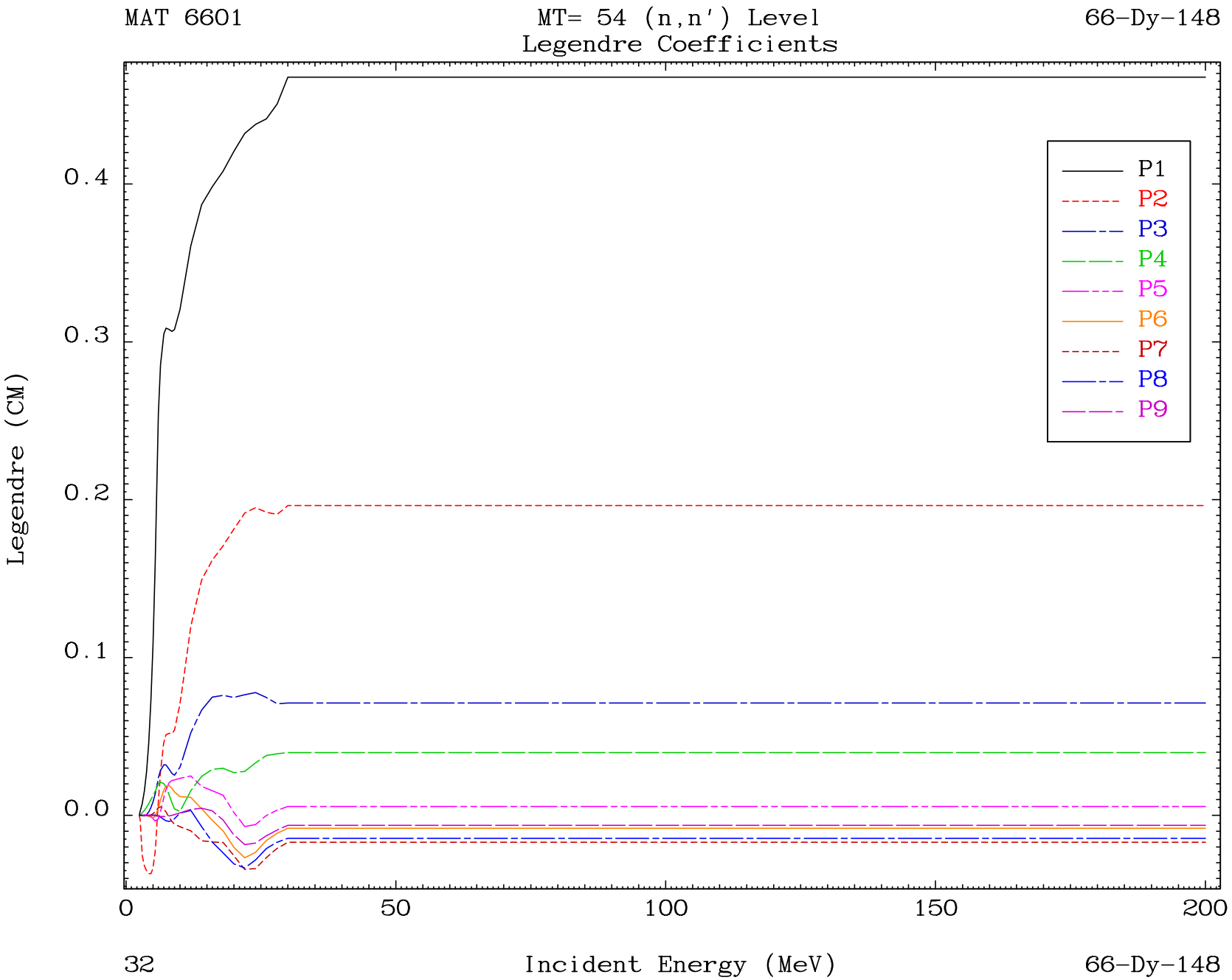

MAT 6601
MT= 52 (n,n') Level
Legendre Coefficients
66-Dy-148
0
X10 −6
−2
−4
−6
Legendre (CM)
50
100
150
200
27
Incident Energy (MeV)
66-Dy-148
P28
P29
P30
P31
P32
P33
P34
P35
P36

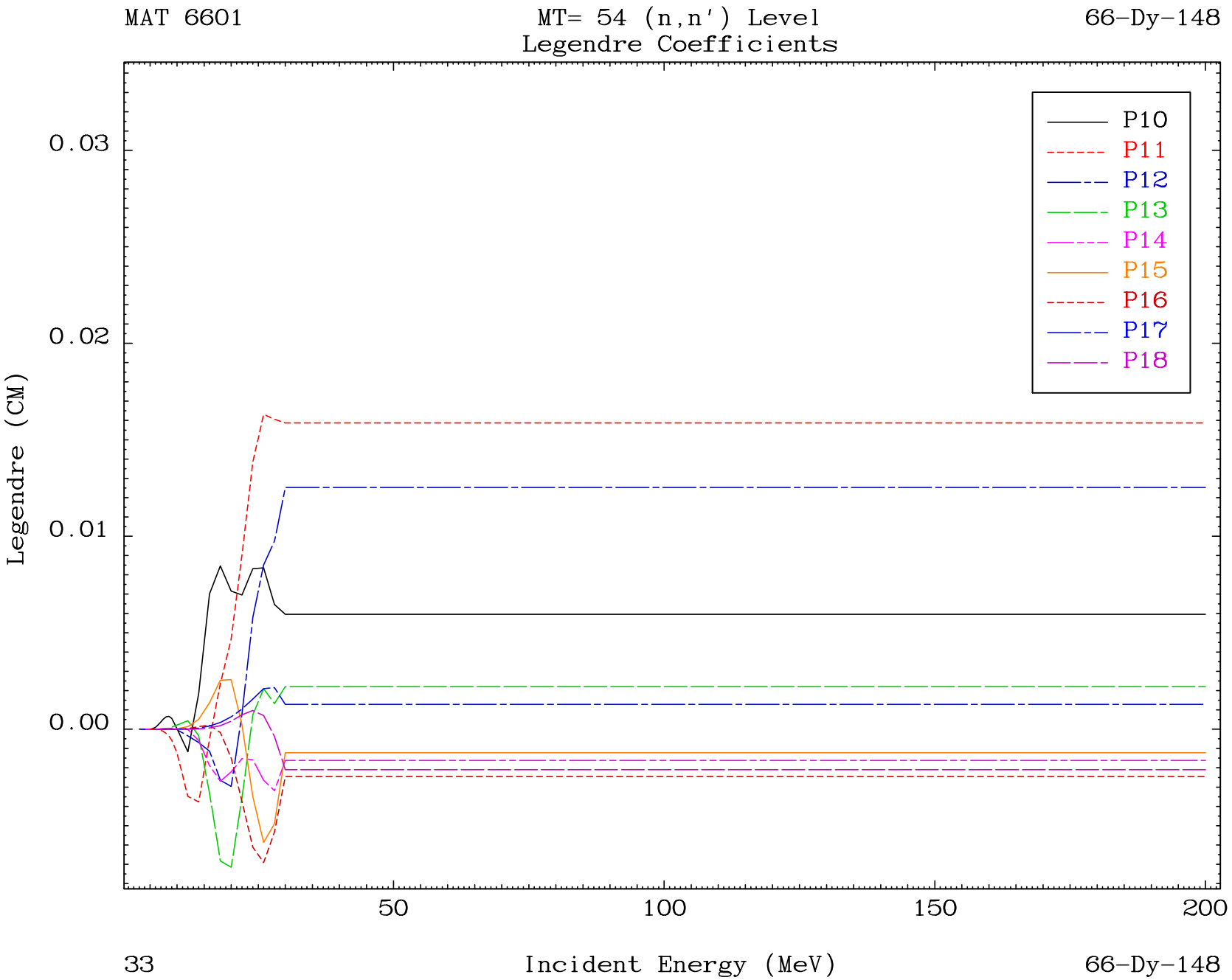

MAT 6601
MT= 53 (n,n') Level
Legendre Coefficients
66-Dy-148
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
28
Incident Energy (MeV)
66-Dy-148
P1
P2
P3
P4
P5
P6
P7
P8
P9

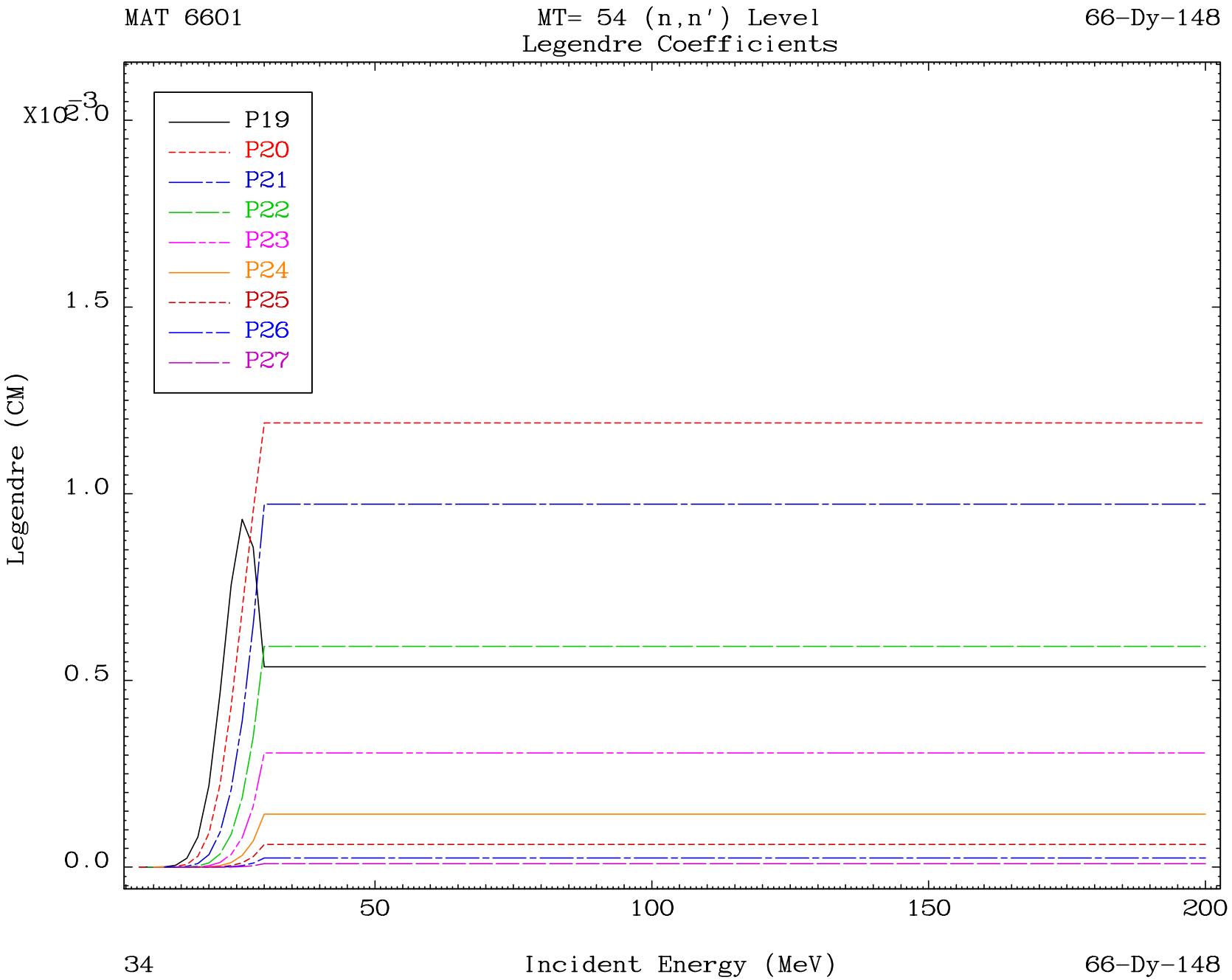

MAT 6601
MT= 53 (n,n') Level
Legendre Coefficients
66-Dy-148
0.05
0.04
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
29
Incident Energy (MeV)
66-Dy-148
P10
P11
P12
P13
P14
P15
P16
P17
P18

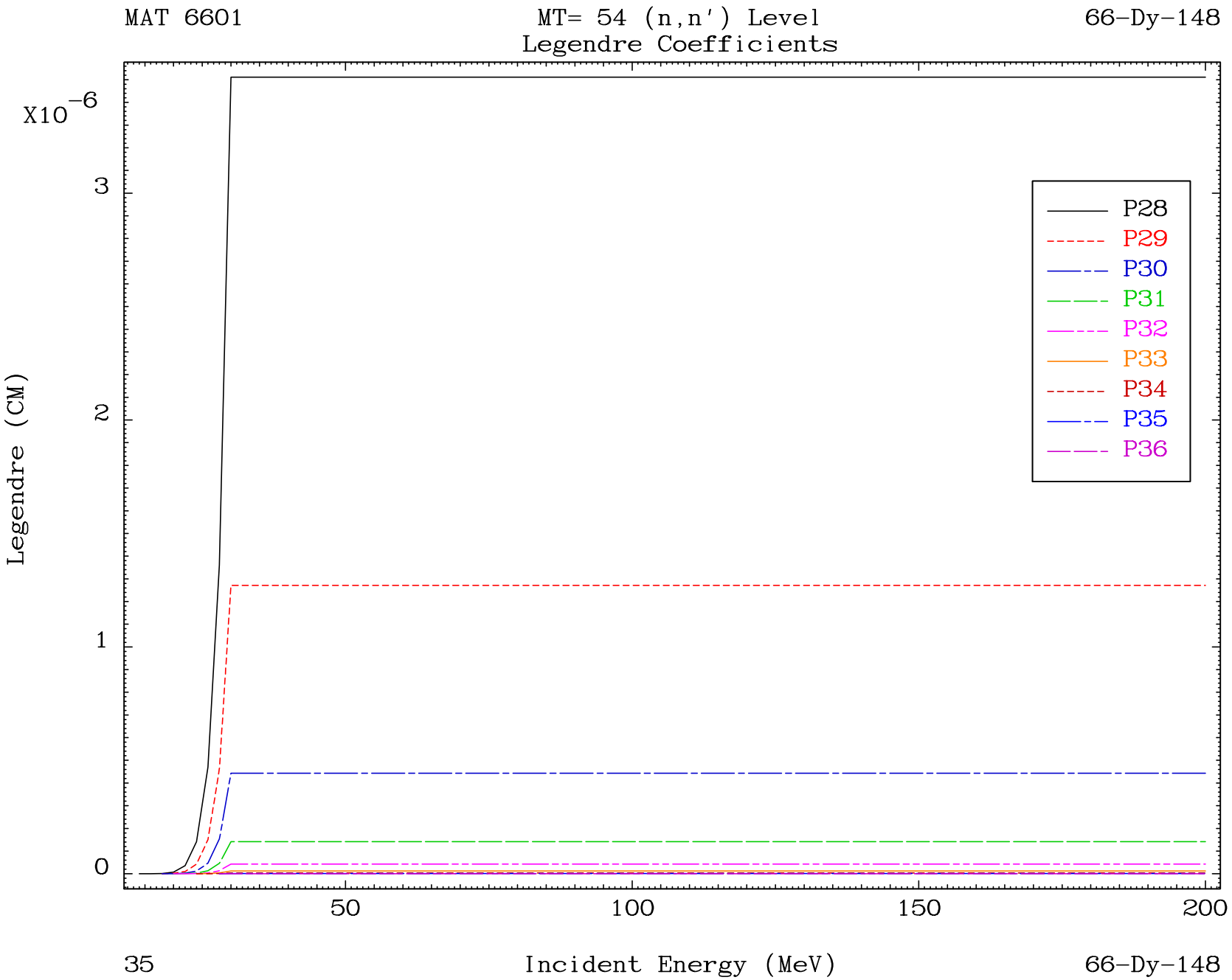

MAT 6601
MT= 53 (n,n') Level
Legendre Coefficients
66-Dy-148
X10^-4
3
2
1
0
-1
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
30
Incident Energy (MeV)
66-Dy-148

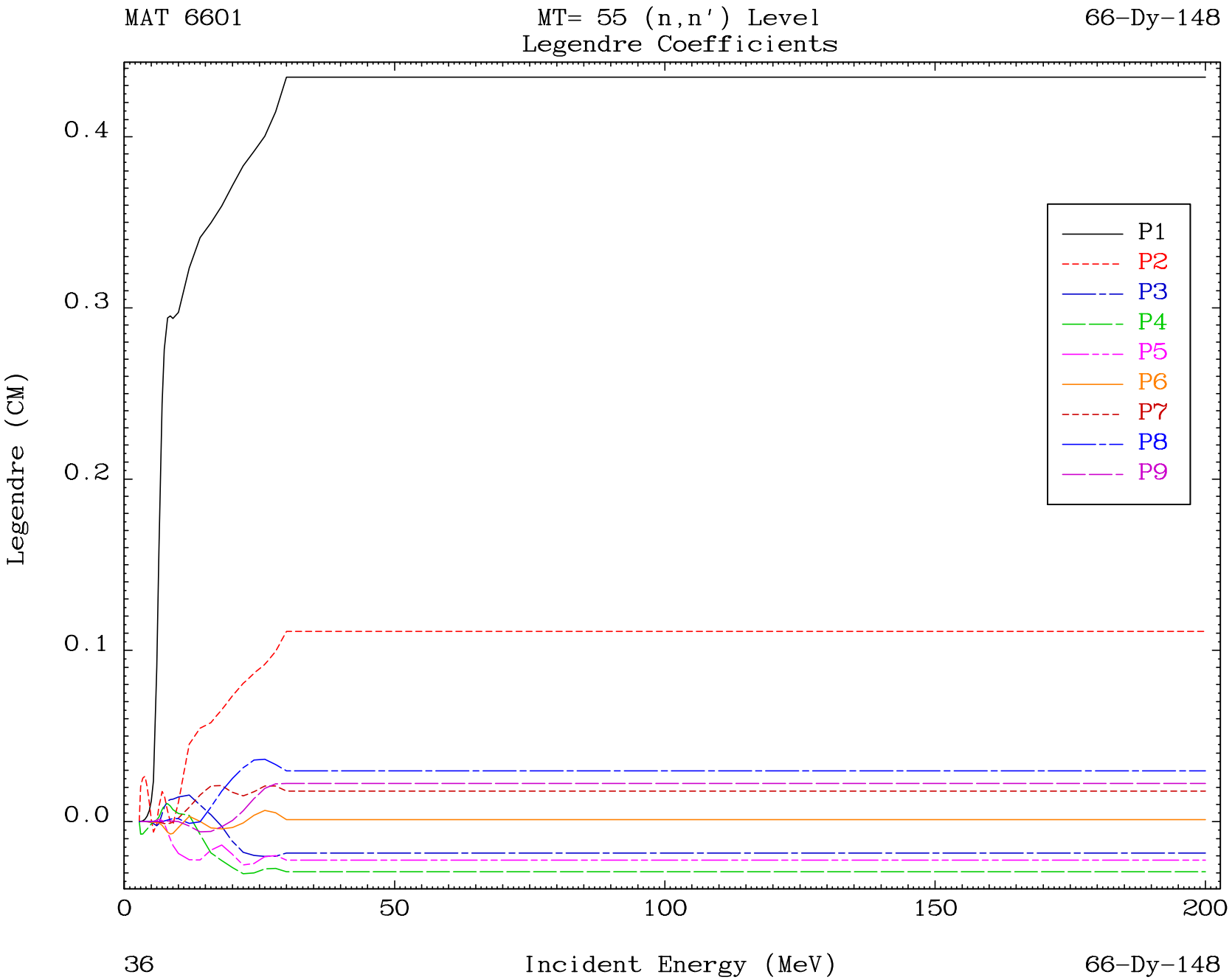

MAT 6601
MT= 53 (n,n') Level
Legendre Coefficients
66-Dy-148
0.0
X10^-6
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
31
Incident Energy (MeV)
66-Dy-148
P28
P29
P30
P31
P32
P33
P34
P35
P36

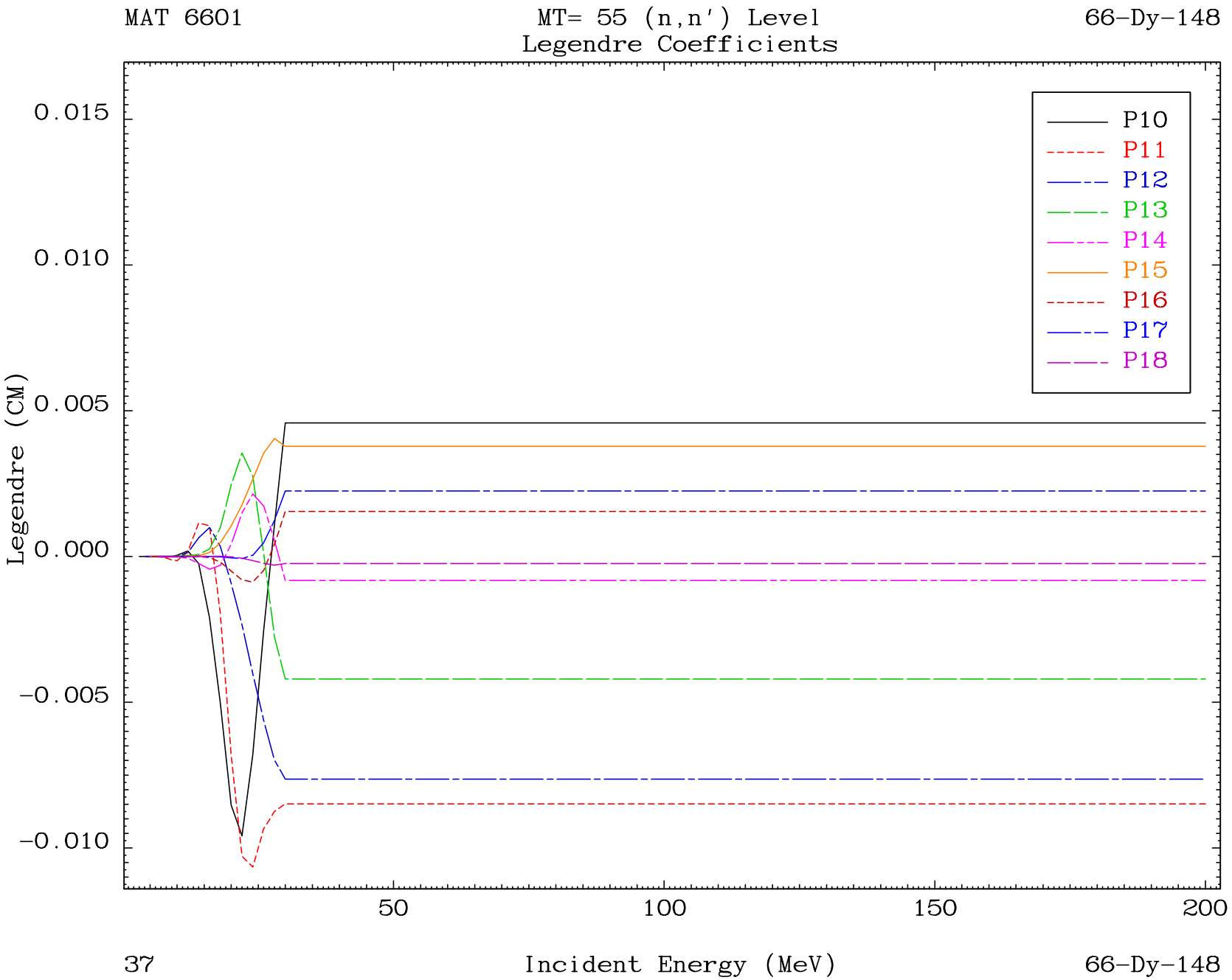

MAT 6601
MT= 54 (n,n') Level
Legendre Coefficients
66-Dy-148
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
32
Incident Energy (MeV)
66-Dy-148

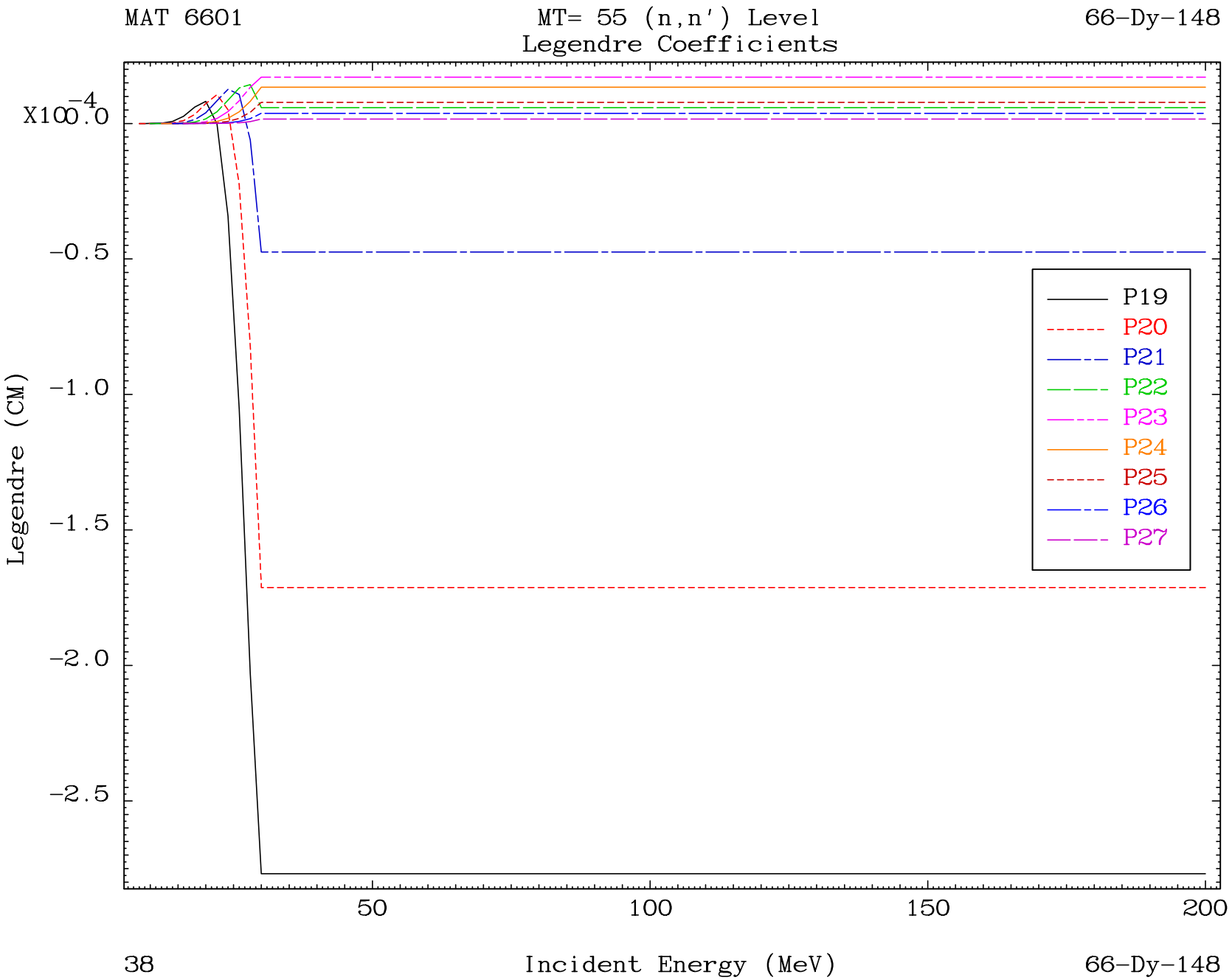

MAT 6601
MT= 54 (n,n') Level
Legendre Coefficients
66-Dy-148
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
50
100
150
200
33
Incident Energy (MeV)
66-Dy-148

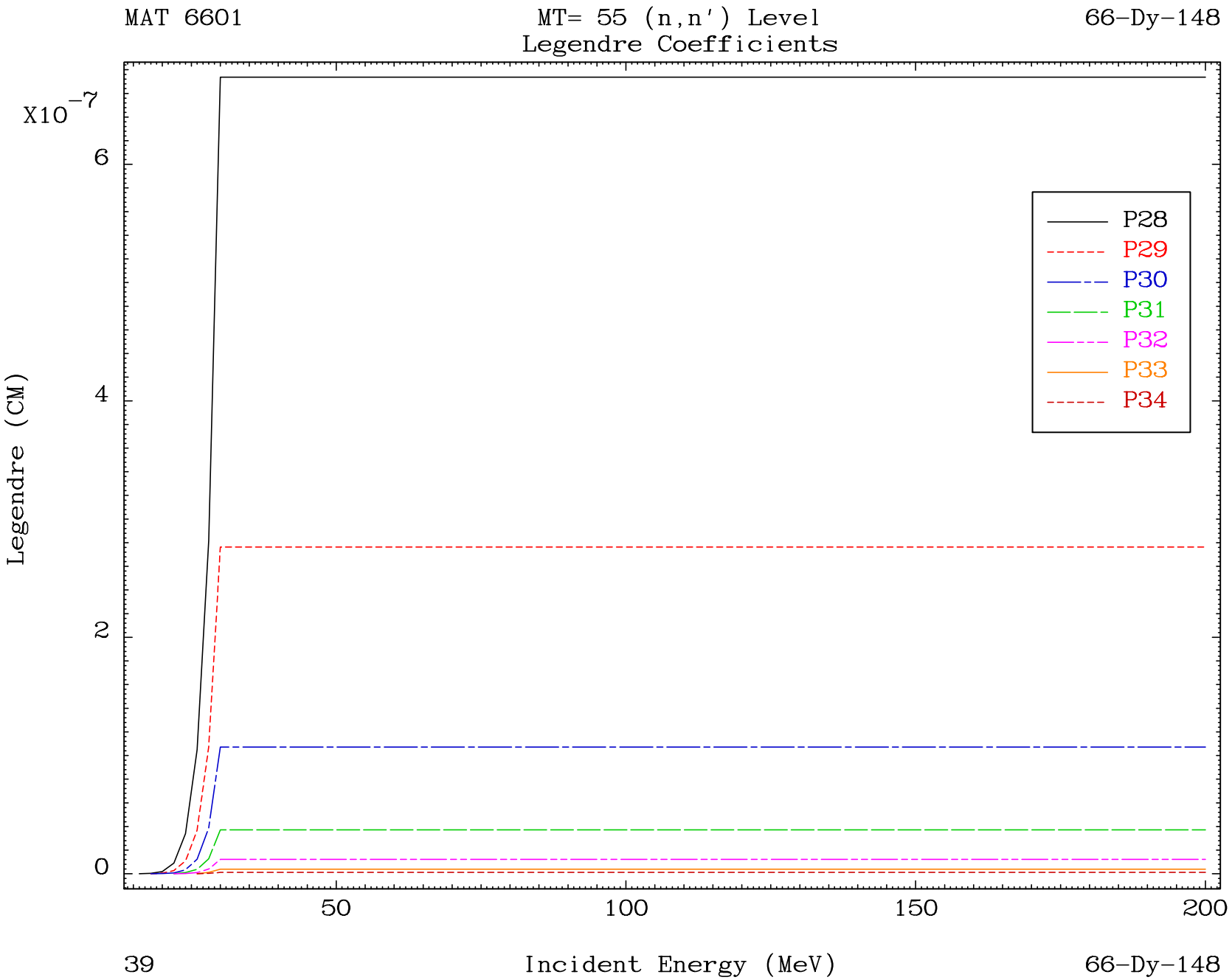

MAT 6601
MT= 54 (n,n') Level
Legendre Coefficients
66-Dy-148
X10-3
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
34
Incident Energy (MeV)
66-Dy-148

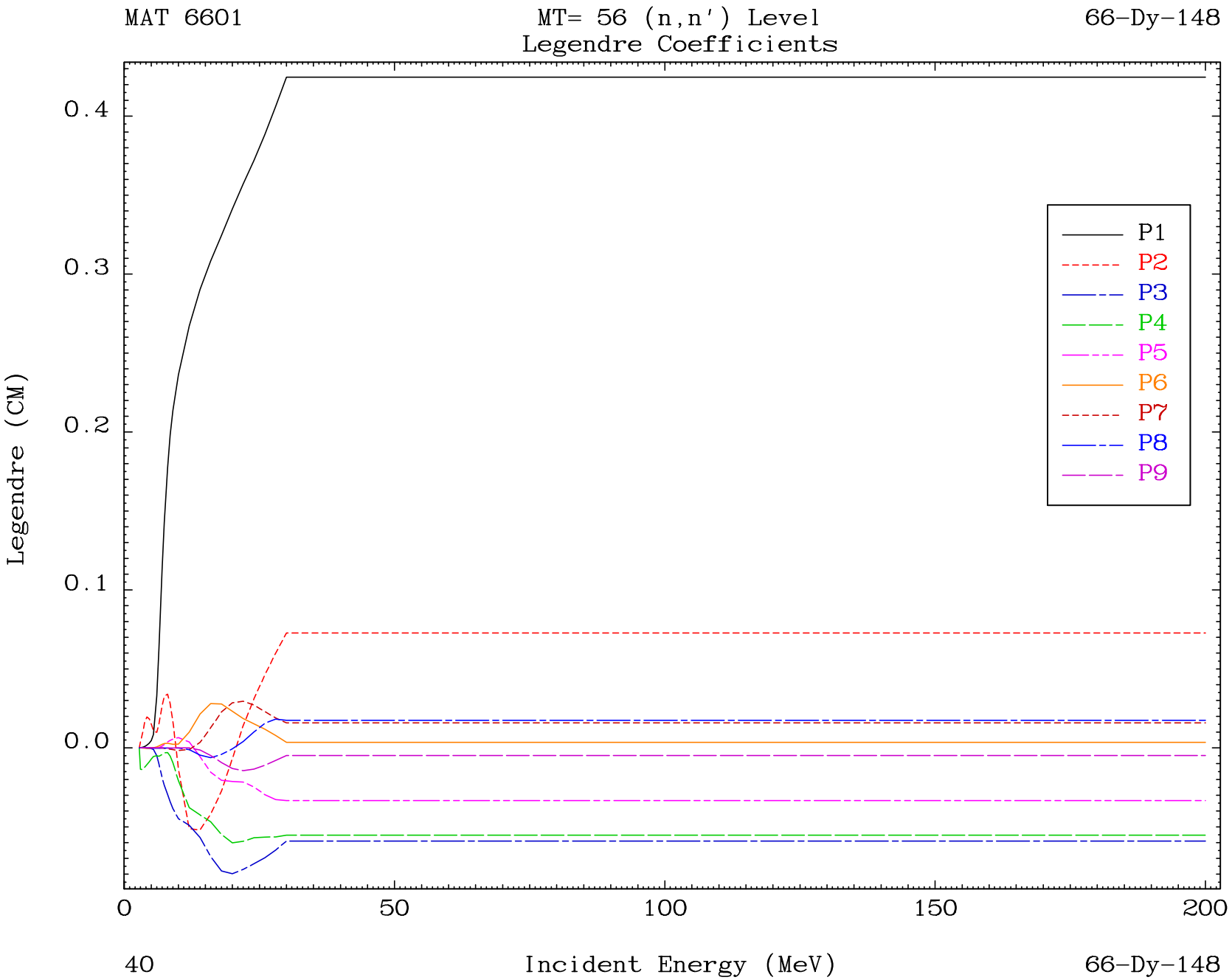

MAT 6601
MT= 54 (n,n') Level
Legendre Coefficients
66-Dy-148
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
35
Incident Energy (MeV)
66-Dy-148

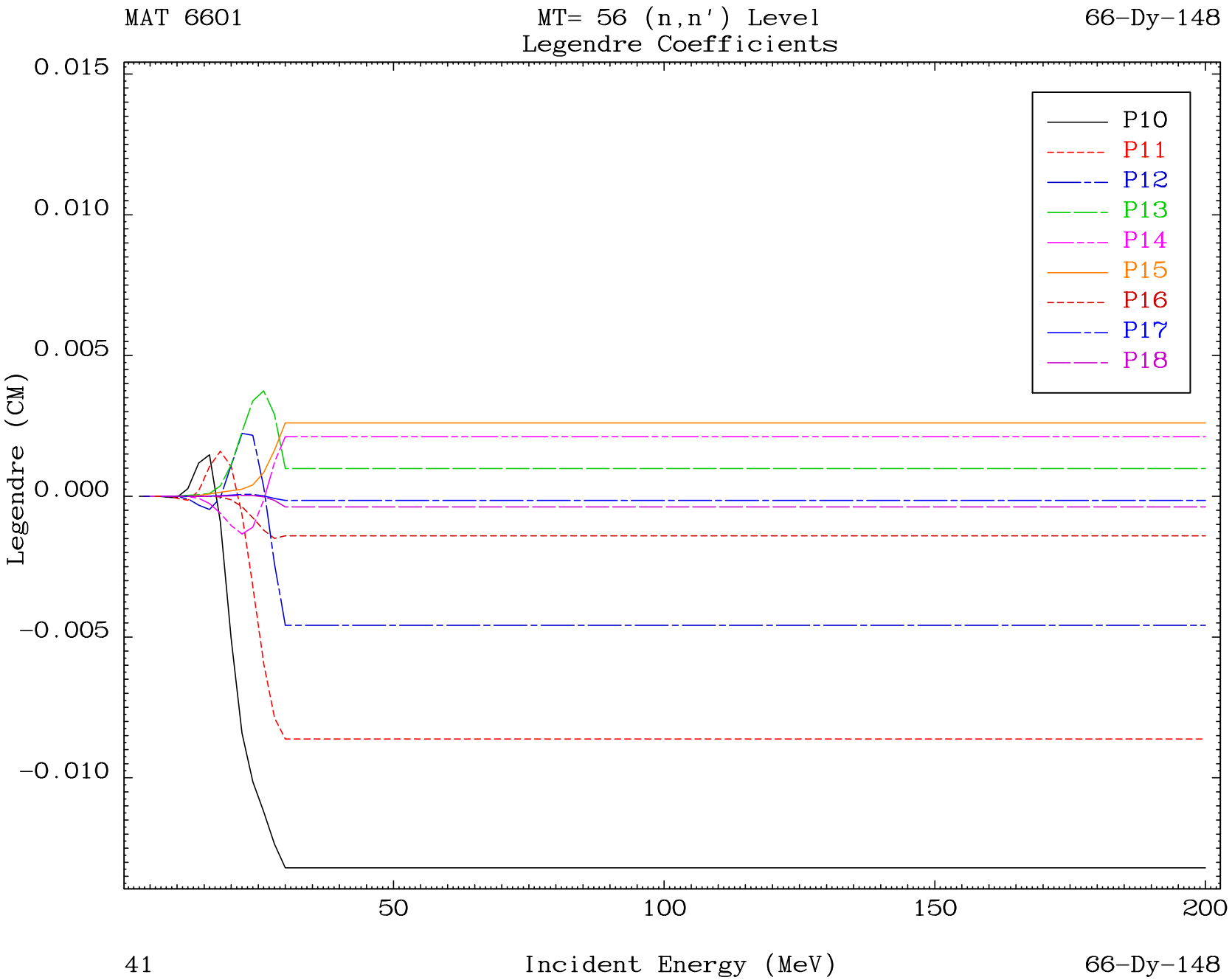

MAT 6601
MT= 55 (n,n') Level
Legendre Coefficients
66-Dy-148
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
36
66-Dy-148
P1
P2
P3
P4
P5
P6
P7
P8
P9

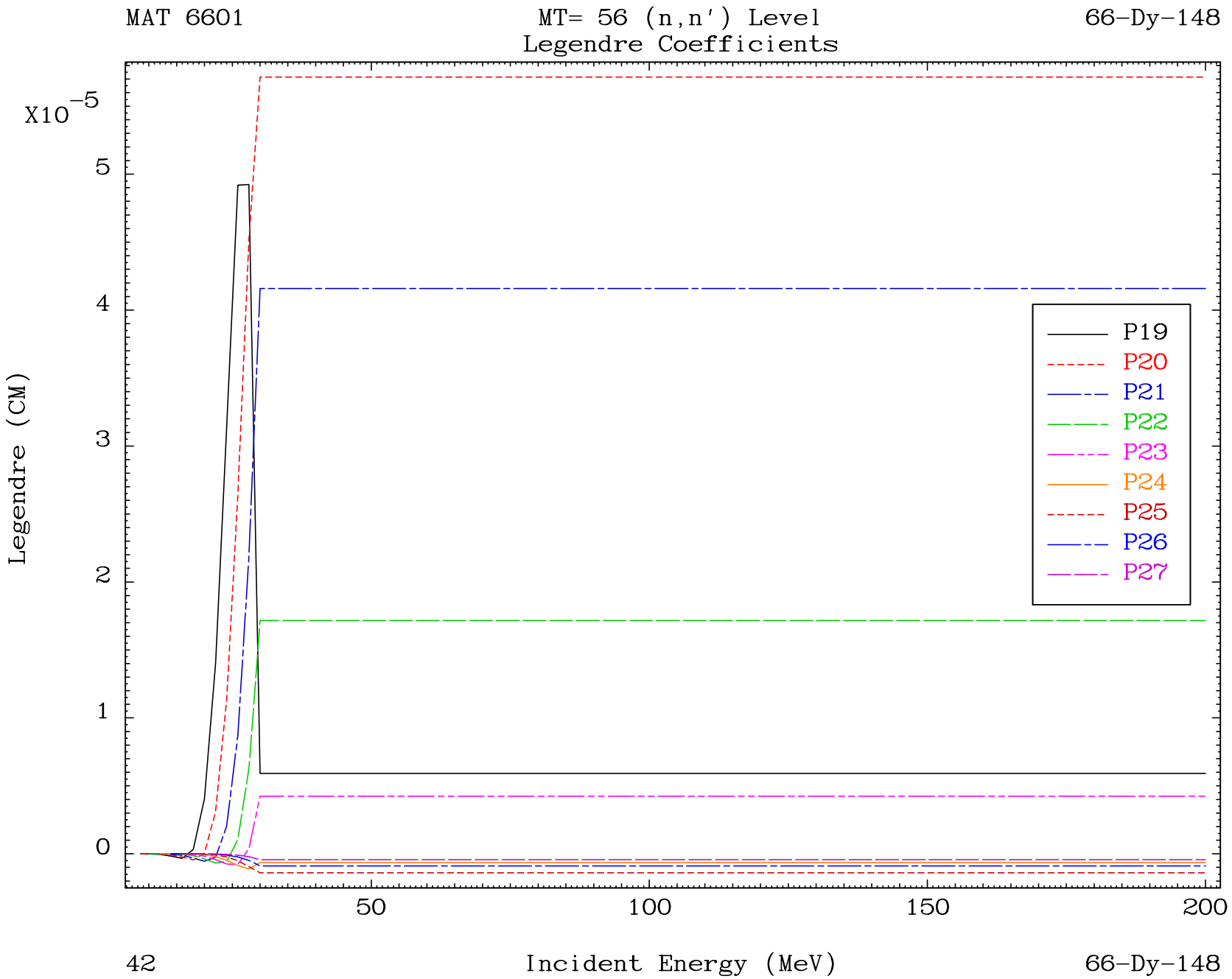

MAT 6601
MT= 55 (n,n') Level
Legendre Coefficients
66-Dy-148
0.015
0.010
0.005
0.000
-0.005
-0.010
Legendre (CM)
50
100
150
200
P10
P11
P12
P13
P14
P15
P16
P17
P18
37
Incident Energy (MeV)
66-Dy-148

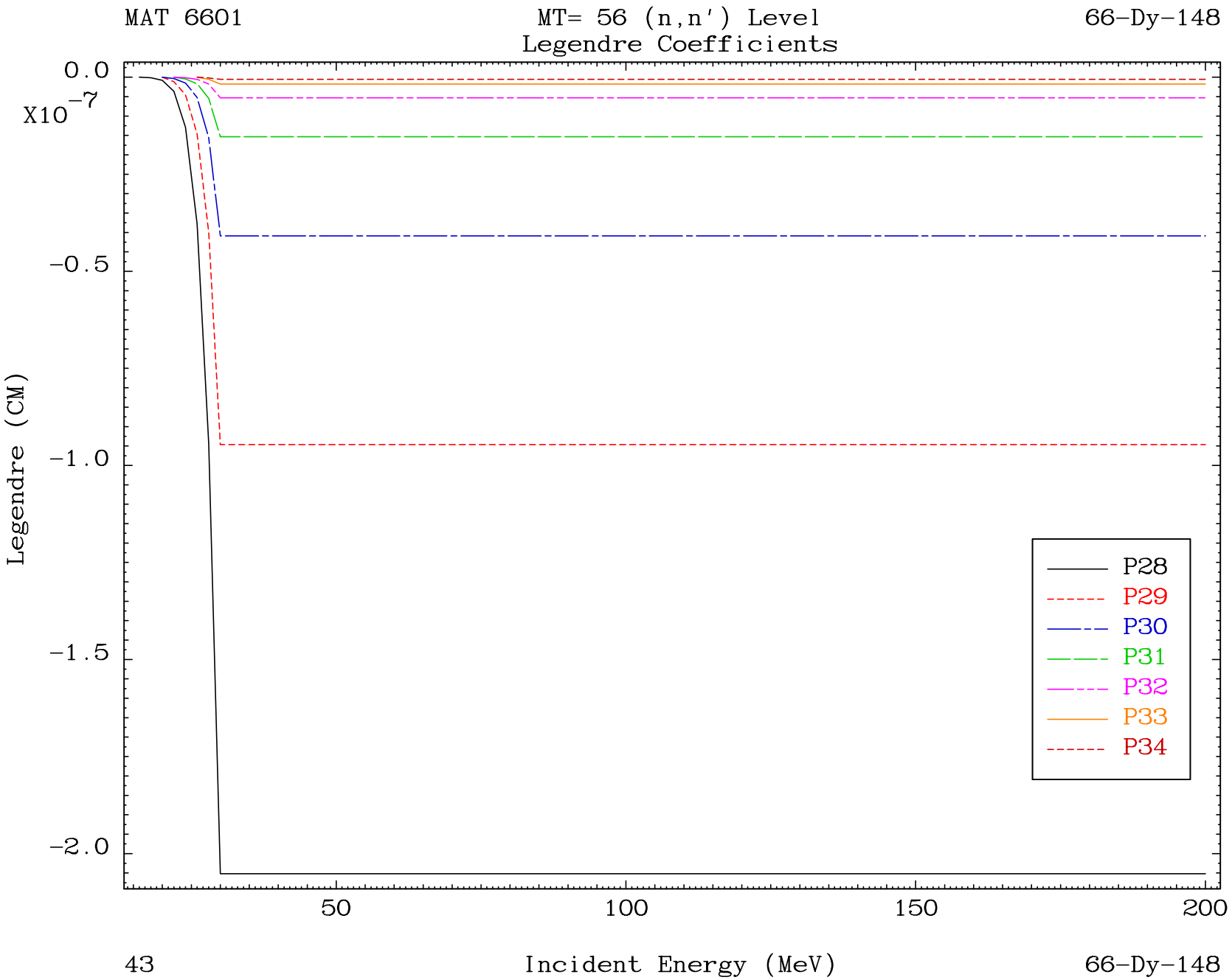

MAT 6601
MT= 55 (n,n') Level
Legendre Coefficients
66-Dy-148
X10^-4
0.0
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
P19
P20
P21
P22
P23
P24
P25
P26
P27
38
66-Dy-148

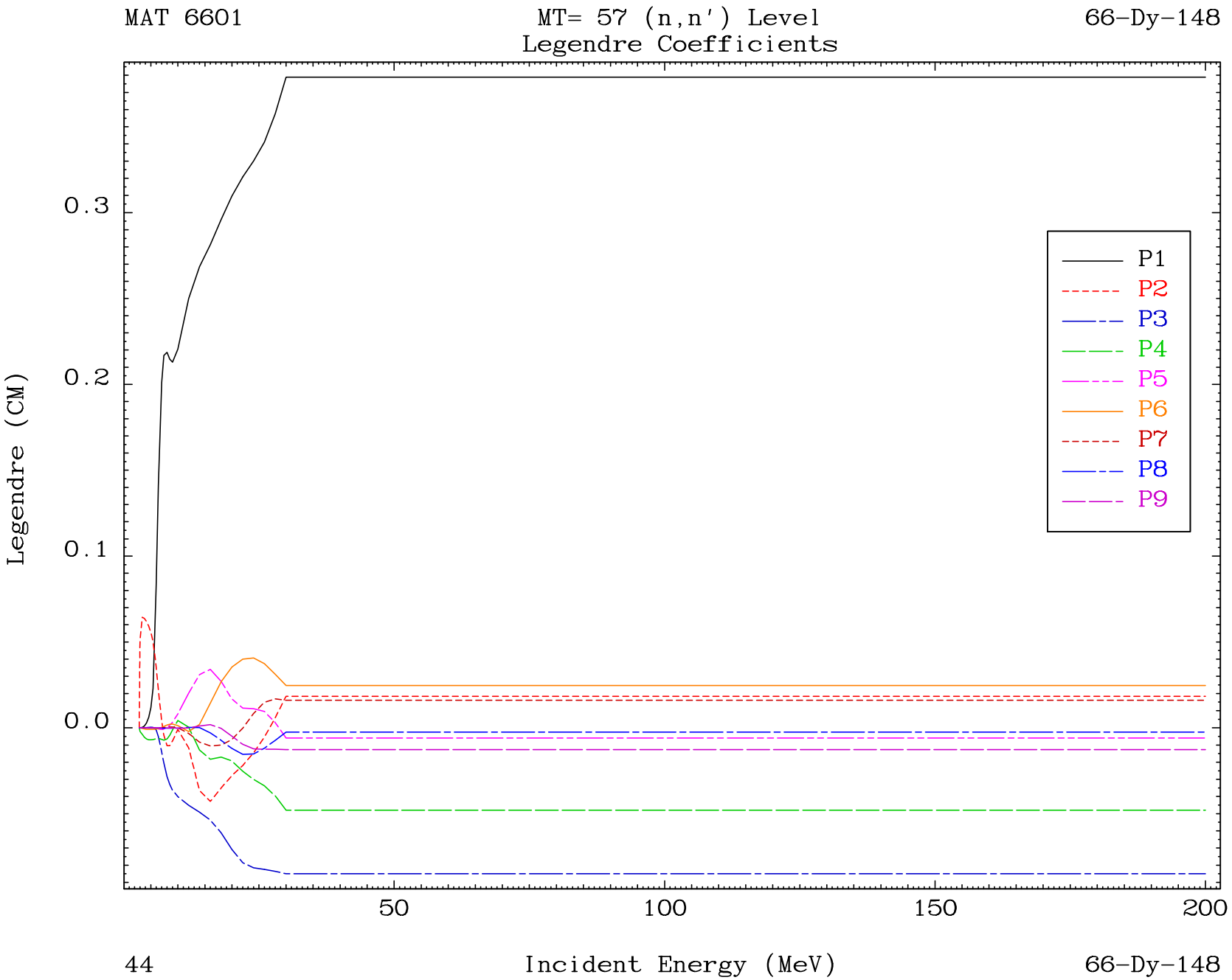

MAT 6601
MT= 55 (n,n') Level
Legendre Coefficients
66-Dy-148
X10-7
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
39
Incident Energy (MeV)
66-Dy-148

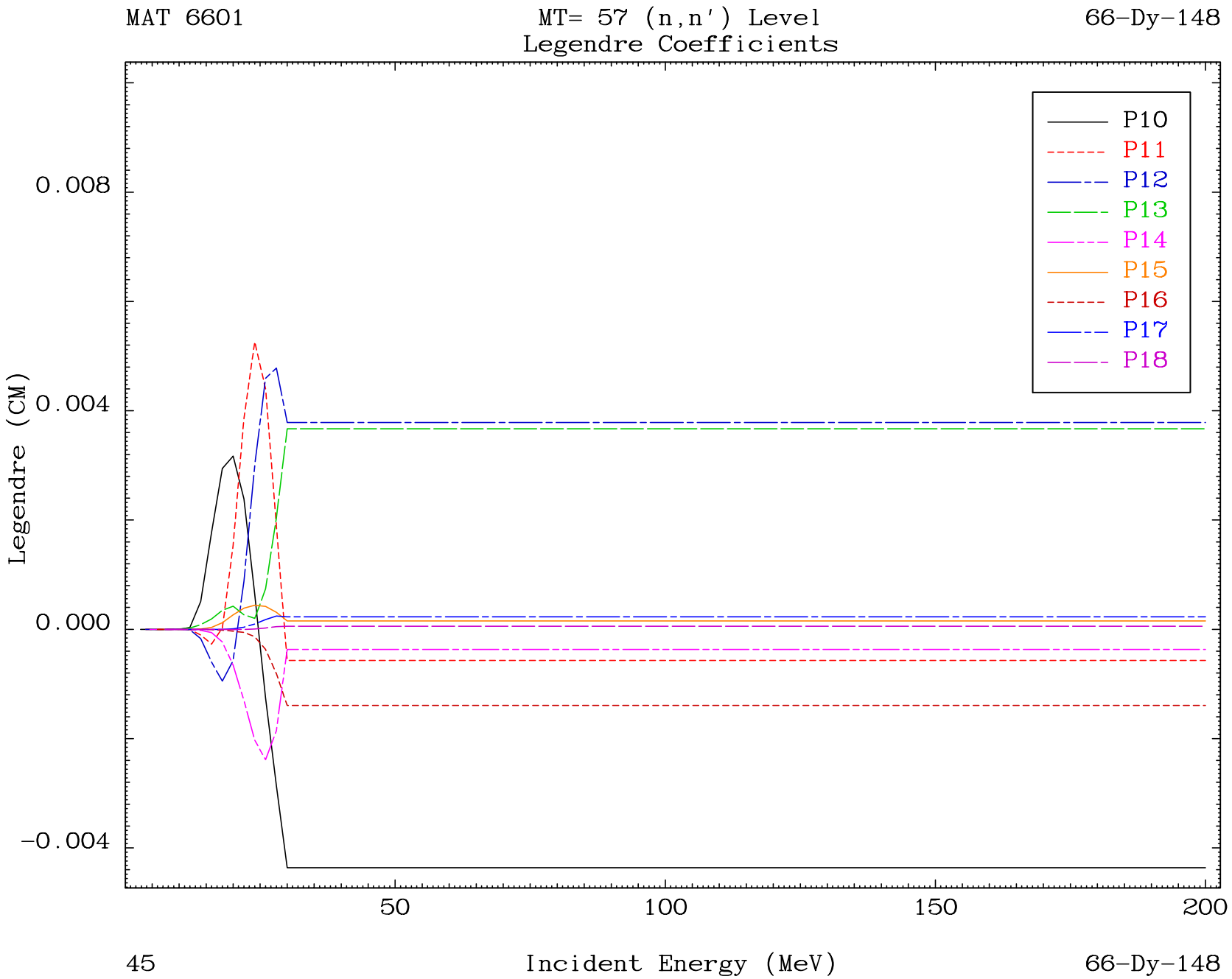

MAT 6601
MT= 56 (n,n') Level
Legendre Coefficients
66-Dy-148
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
40
Incident Energy (MeV)
66-Dy-148
P1
P2
P3
P4
P5
P6
P7
P8
P9

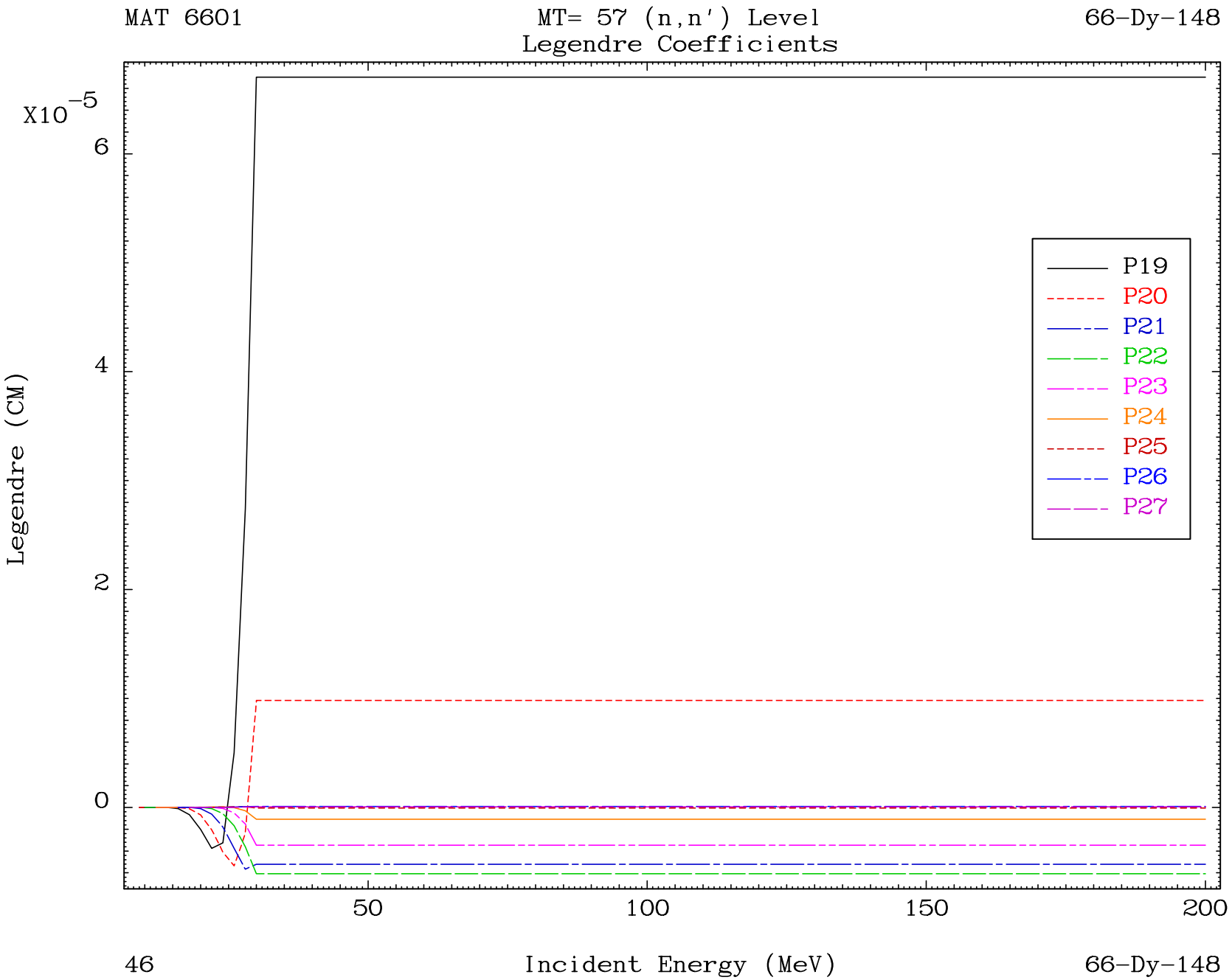

MAT 6601
MT= 56 (n,n') Level
Legendre Coefficients
66-Dy-148
0.015
0.010
0.005
0.000
-0.005
-0.010
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
41
Incident Energy (MeV)
66-Dy-148

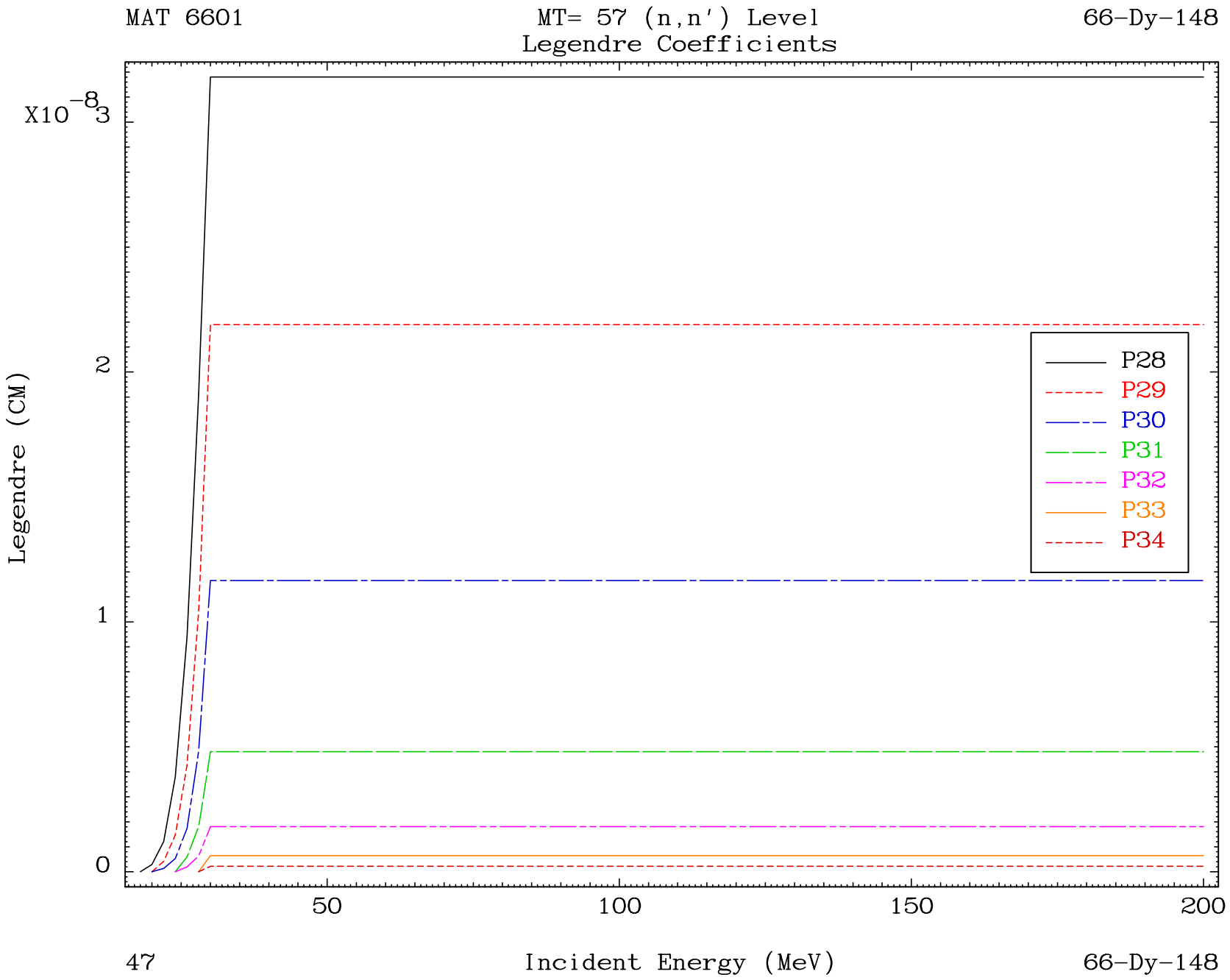

MAT 6601
MT= 56 (n,n') Level
Legendre Coefficients
66-Dy-148
X10 -5
5
4
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
42
Incident Energy (MeV)
66-Dy-148

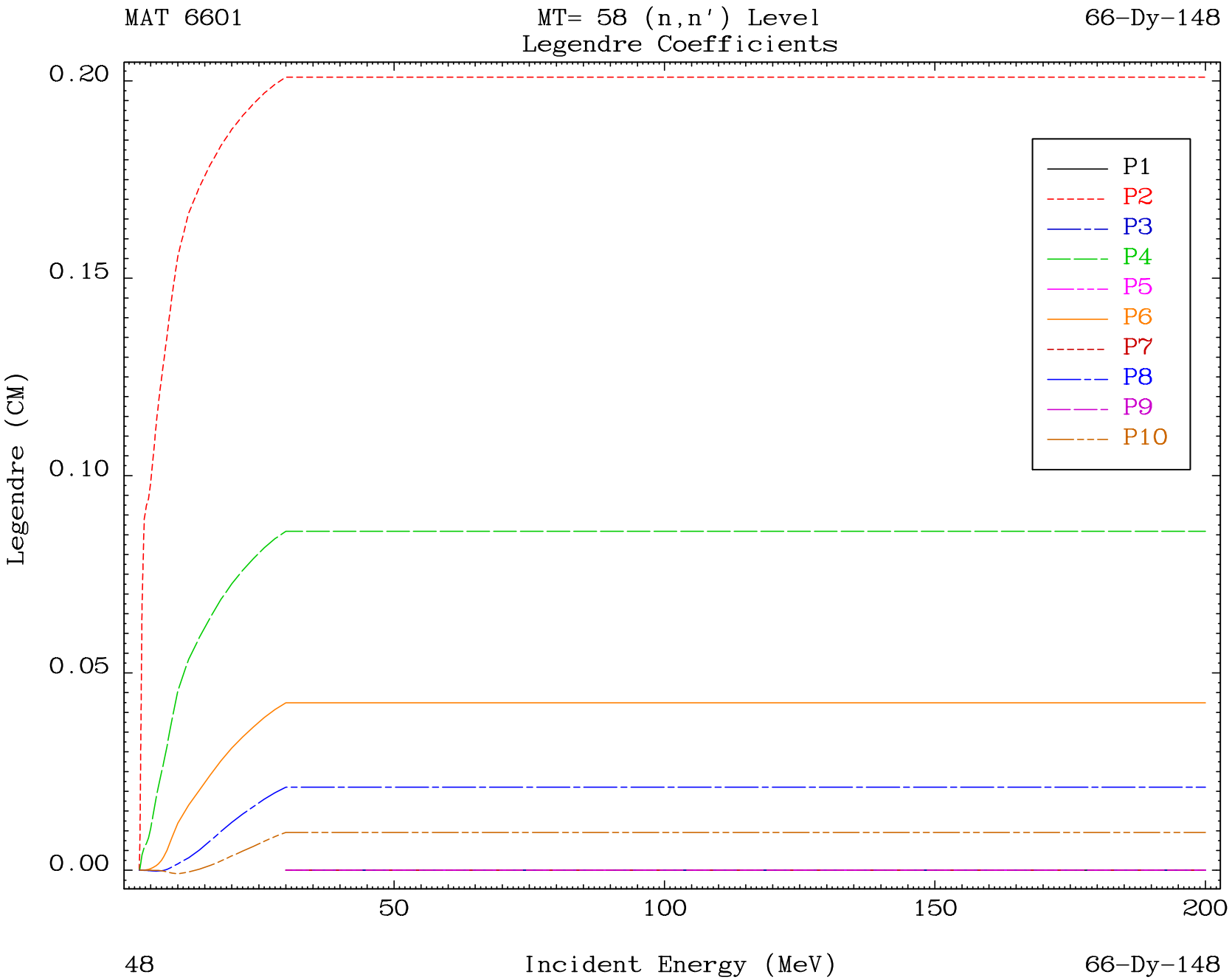

MAT 6601
MT= 56 (n,n') Level
Legendre Coefficients
66-Dy-148
0.0
X10^-7
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
P28
P29
P30
P31
P32
P33
P34
43
Incident Energy (MeV)
66-Dy-148

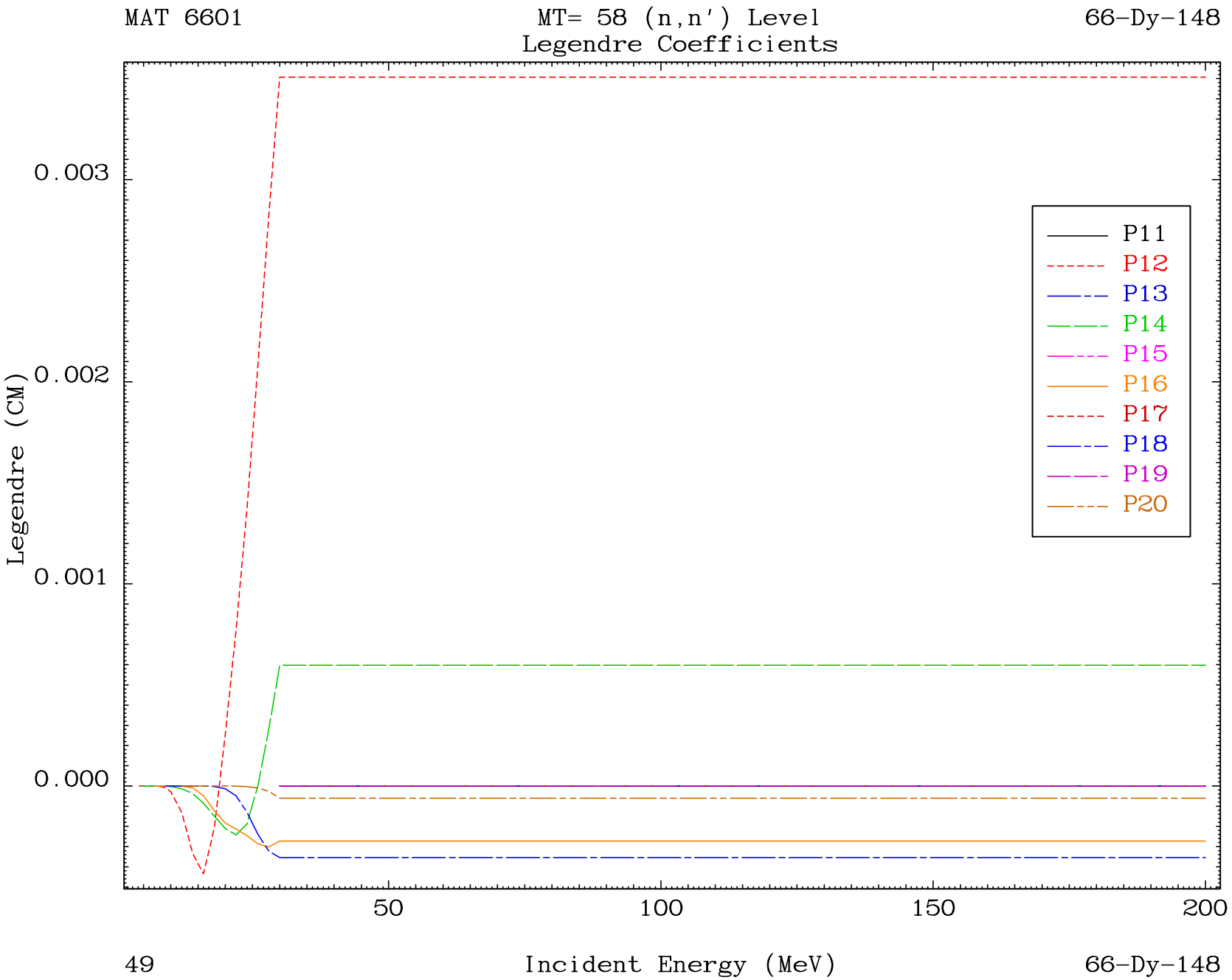

MAT 6601
MT= 57 (n,n') Level
Legendre Coefficients
66-Dy-148
Legendre (CM)
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
44
Incident Energy (MeV)
66-Dy-148

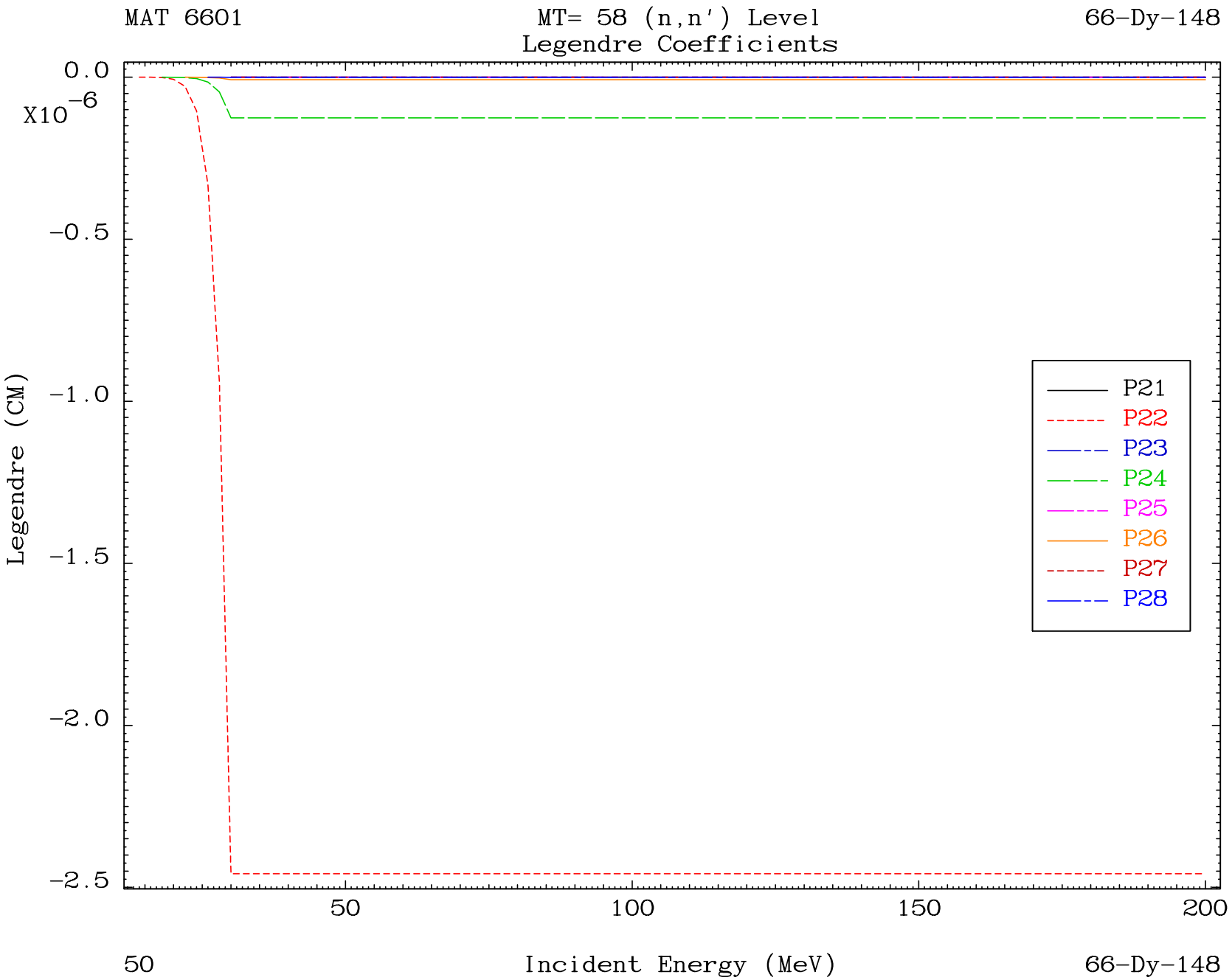

MAT 6601
MT= 57 (n,n') Level
Legendre Coefficients
66-Dy-148
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.008
0.004
0.000
-0.004
Legendre (CM)
50
100
150
200
45
Incident Energy (MeV)
66-Dy-148

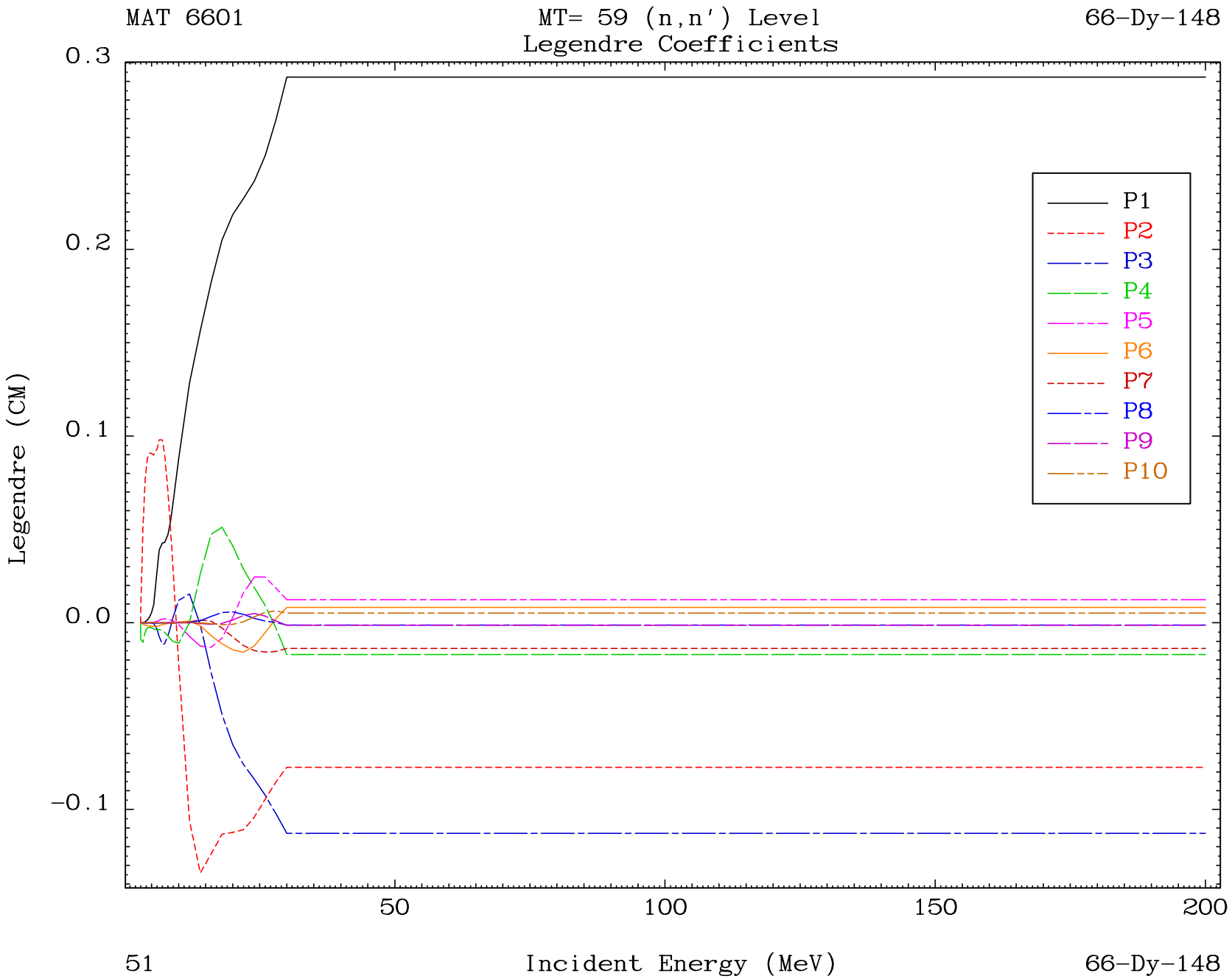

MAT 6601
MT= 57 (n,n') Level
Legendre Coefficients
66-Dy-148
X10^-5
6
4
2
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
46
Incident Energy (MeV)
66-Dy-148

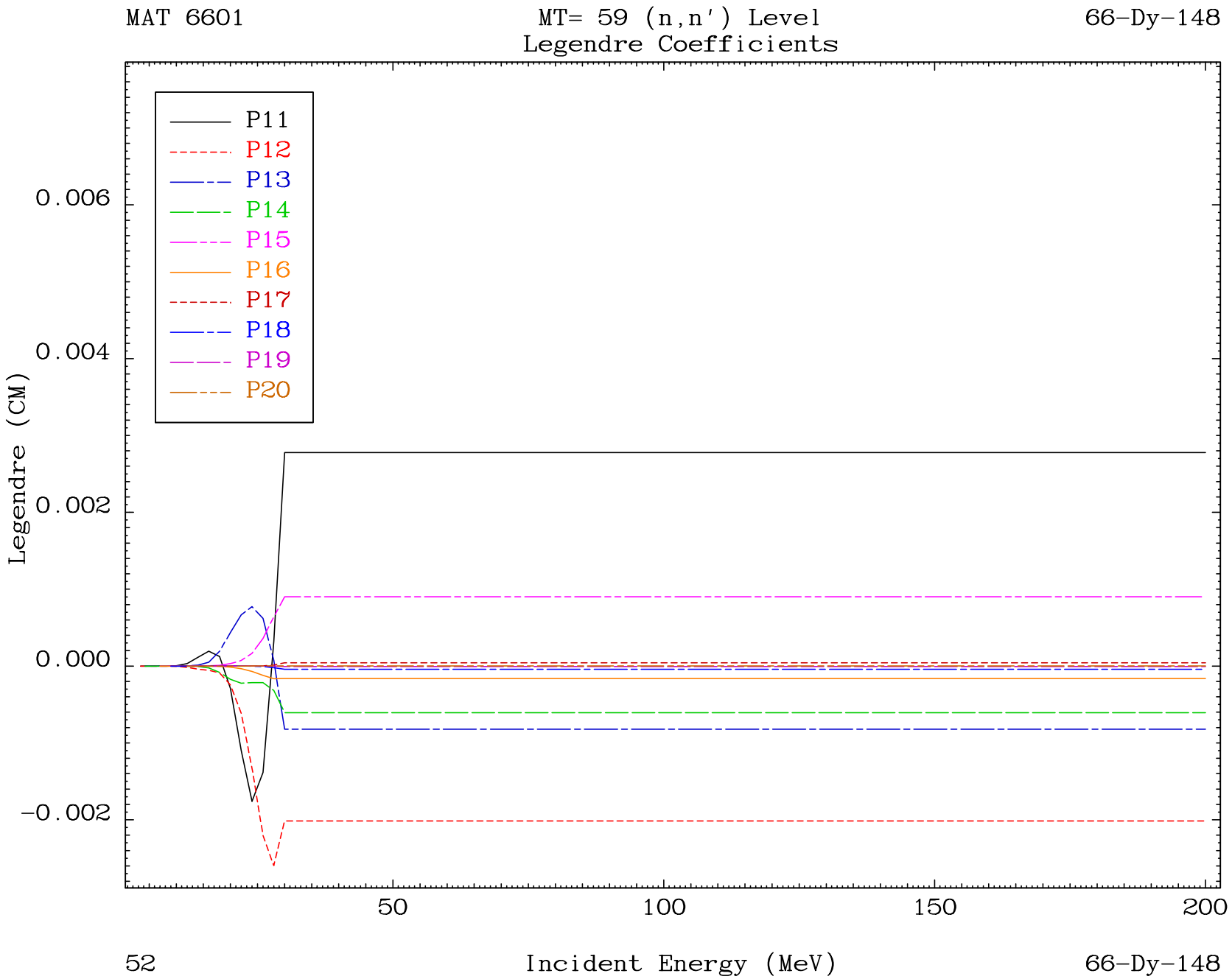

MAT 6601
MT= 57 (n,n') Level
Legendre Coefficients
66-Dy-148
X10 -8
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
47
Incident Energy (MeV)
66-Dy-148

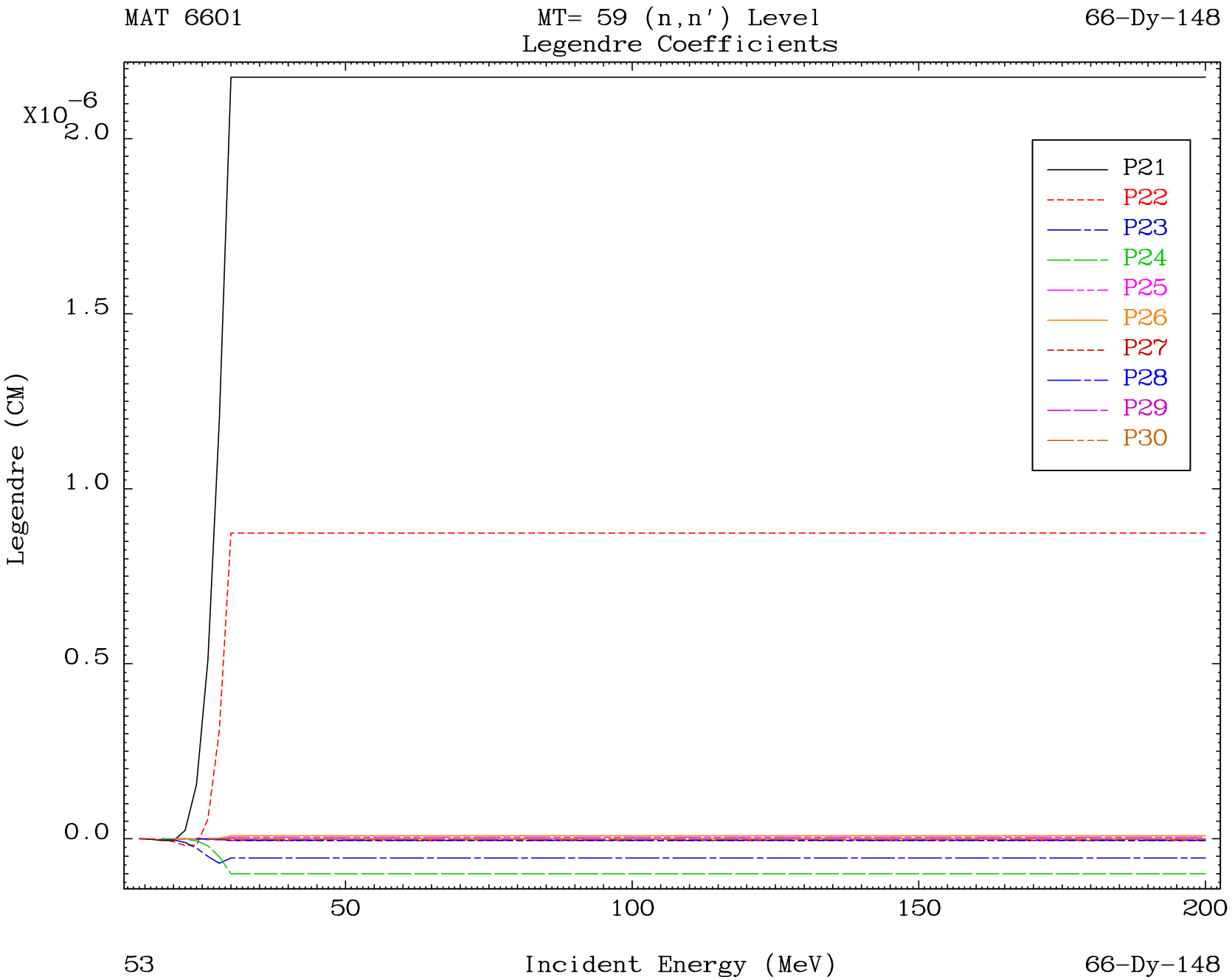

MAT 6601
MT= 58 (n,n') Level
Legendre Coefficients
66-Dy-148
0.20
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
50
100
150
200
48
Incident Energy (MeV)
66-Dy-148

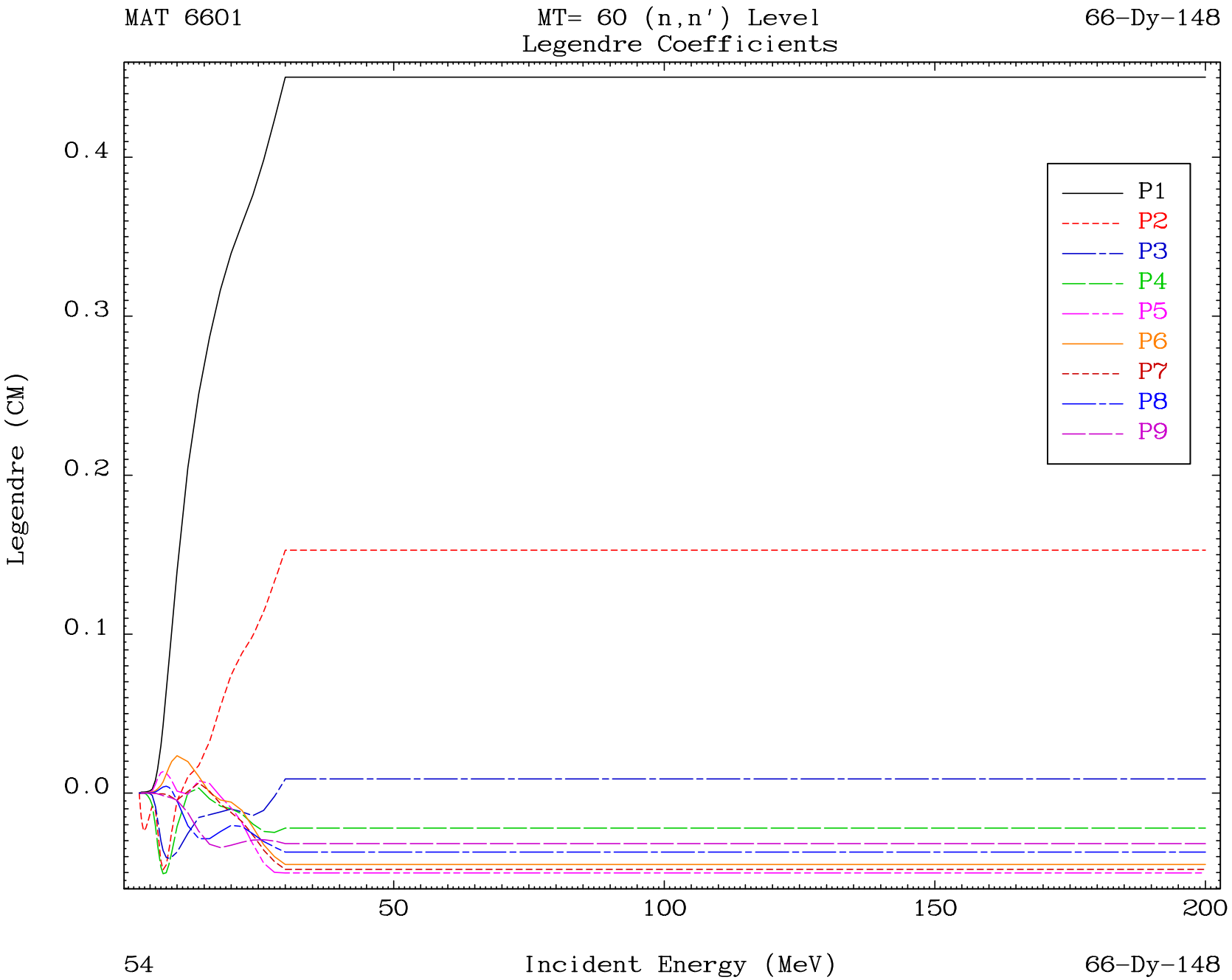

MAT 6601
MT= 58 (n,n') Level
Legendre Coefficients
66-Dy-148
0.003
0.002
0.001
0.000
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
49
Incident Energy (MeV)
66-Dy-148

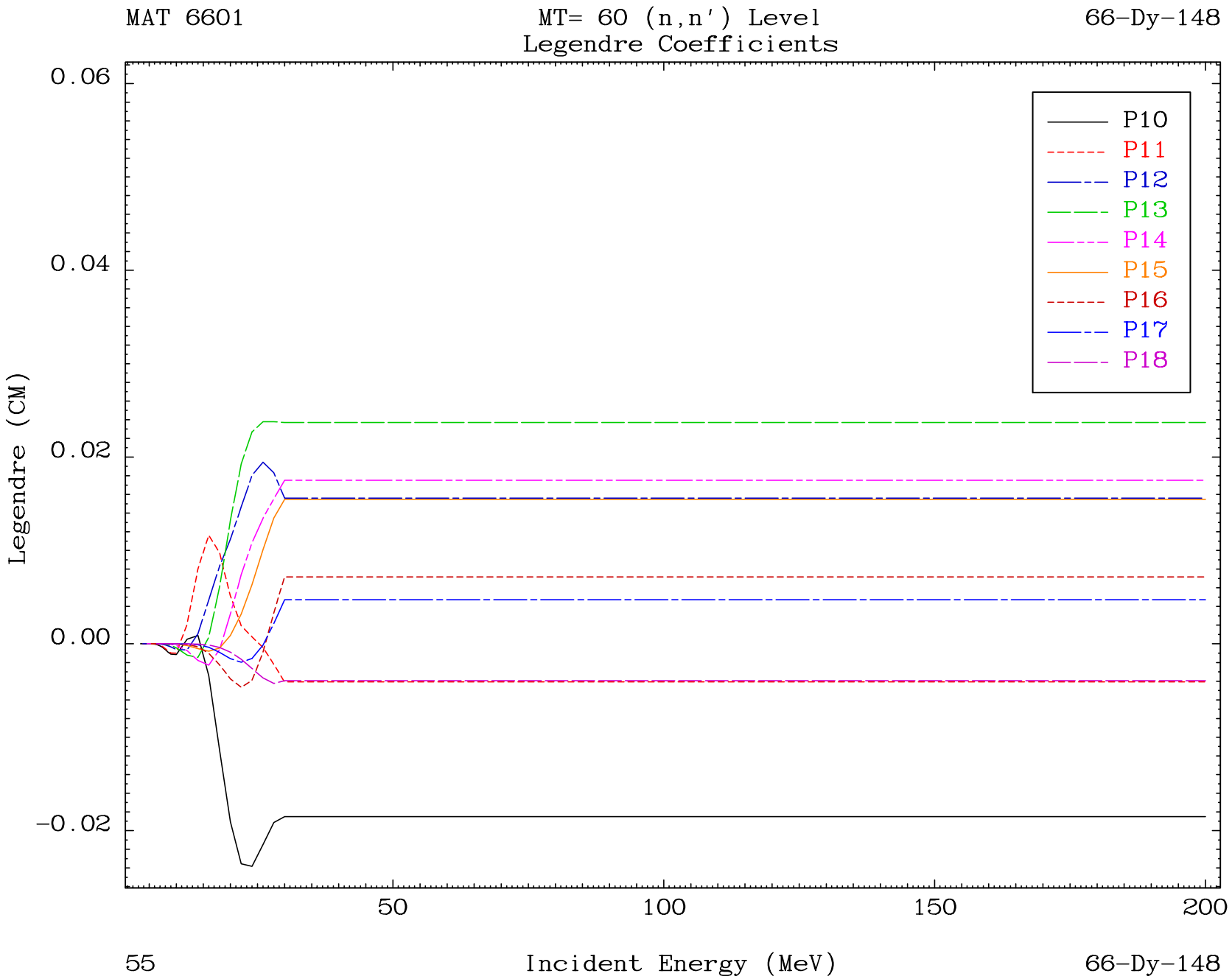

MAT 6601
MT= 58 (n,n') Level
Legendre Coefficients
66-Dy-148
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
50
Incident Energy (MeV)
66-Dy-148
P21
P22
P23
P24
P25
P26
P27
P28

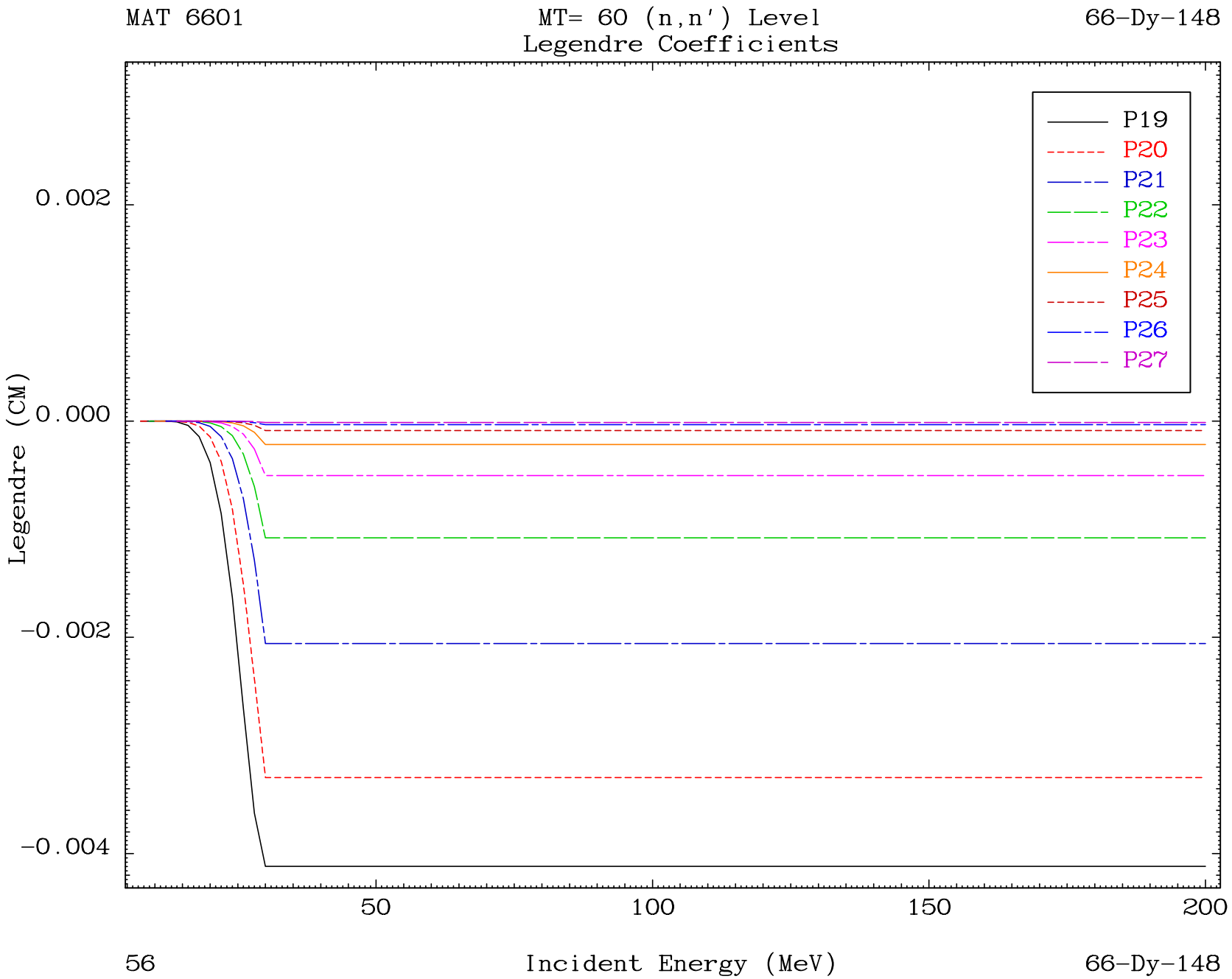

MAT 6601
MT= 59 (n,n') Level
Legendre Coefficients
66-Dy-148
0.3
0.2
0.1
0.0
-0.1
Legendre (CM)
50
100
150
200
51
Incident Energy (MeV)
66-Dy-148
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

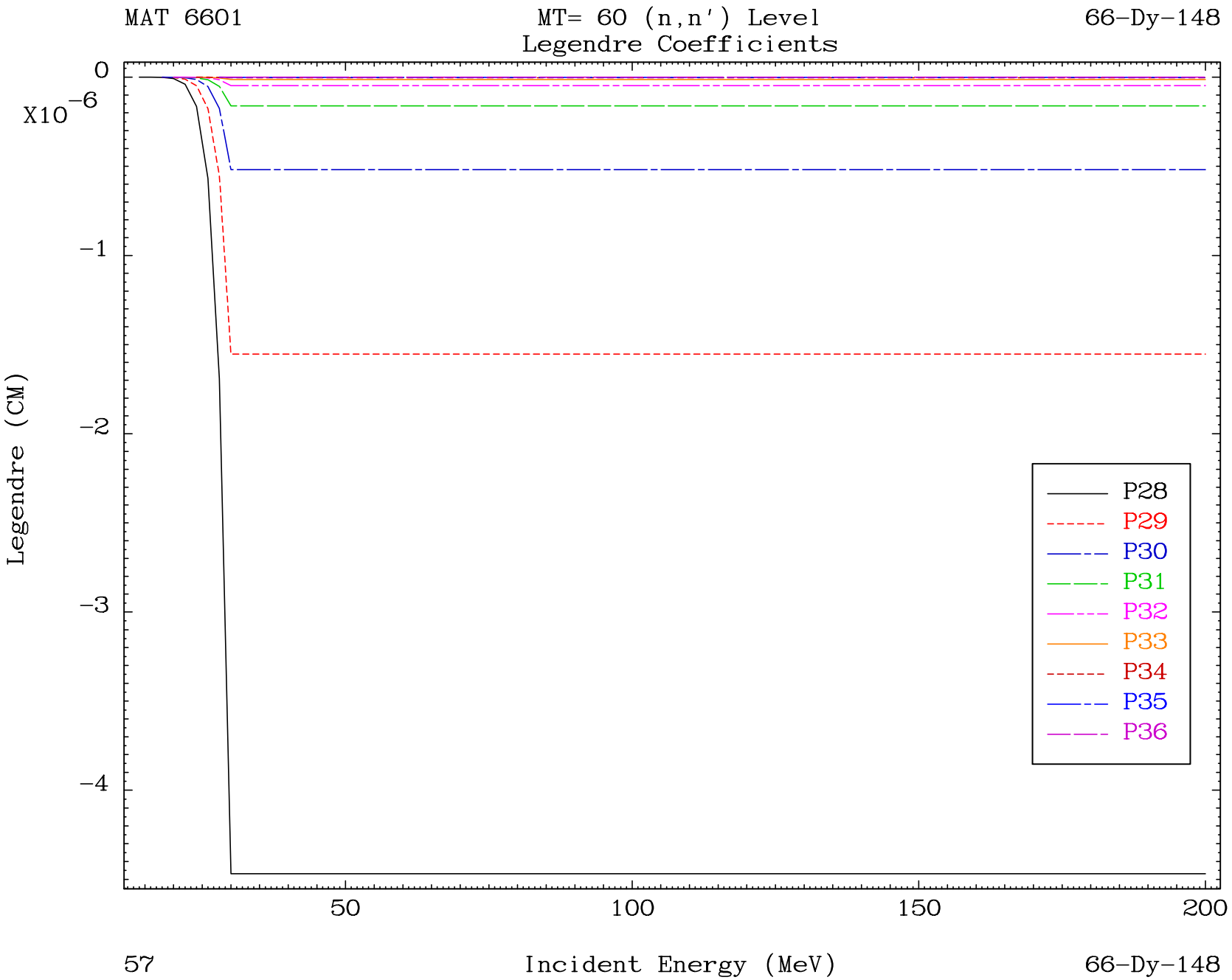

MAT 6601
MT= 59 (n,n') Level
Legendre Coefficients
66-Dy-148
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.006
0.004
0.002
0.000
-0.002
Legendre (CM)
50
100
150
200
52
Incident Energy (MeV)
66-Dy-148

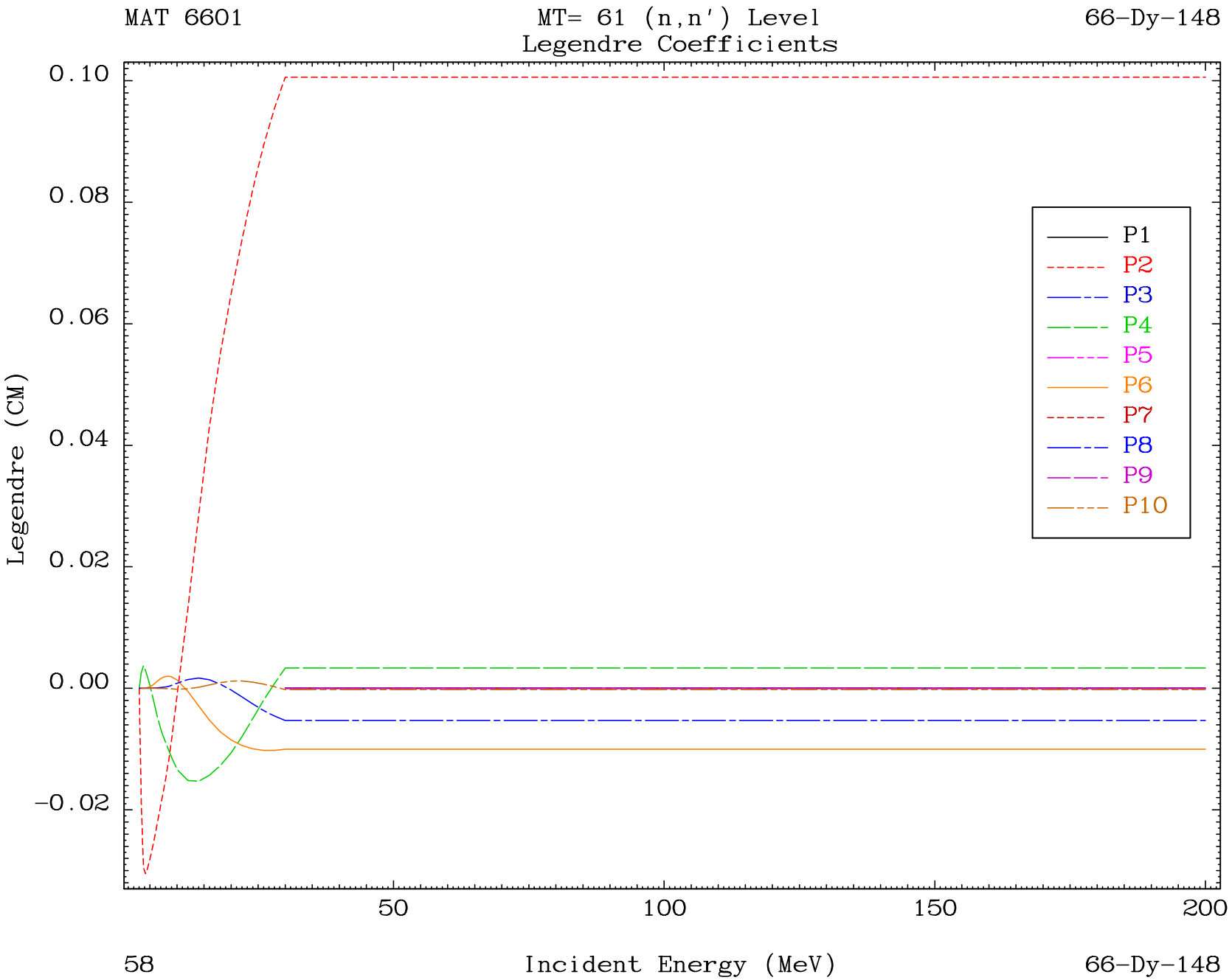

MAT 6601
MT= 59 (n,n') Level
Legendre Coefficients
66-Dy-148
X10^-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
53
Incident Energy (MeV)
66-Dy-148

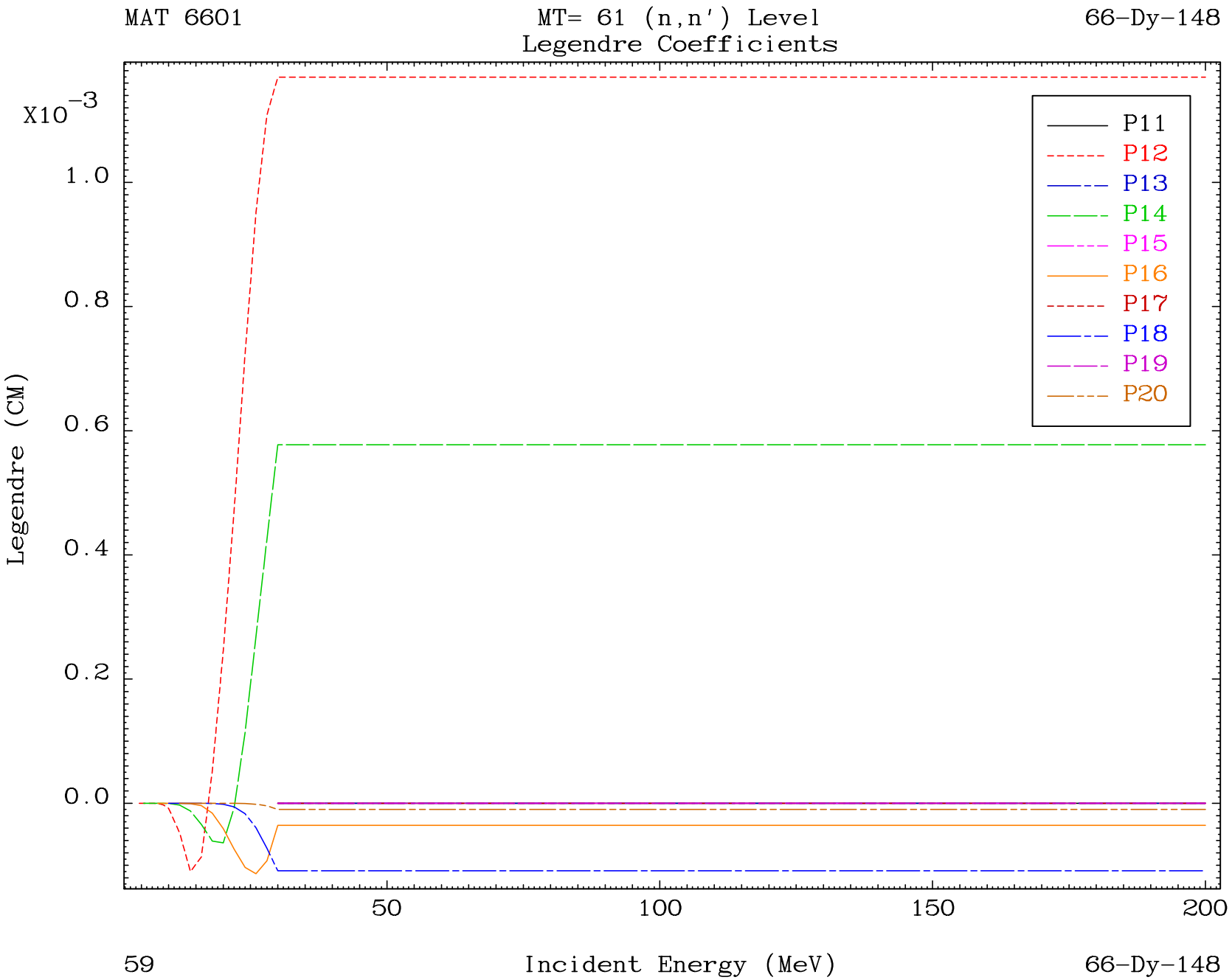

MAT 6601
MT= 60 (n,n') Level
Legendre Coefficients
66-Dy-148
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
54
Incident Energy (MeV)
66-Dy-148

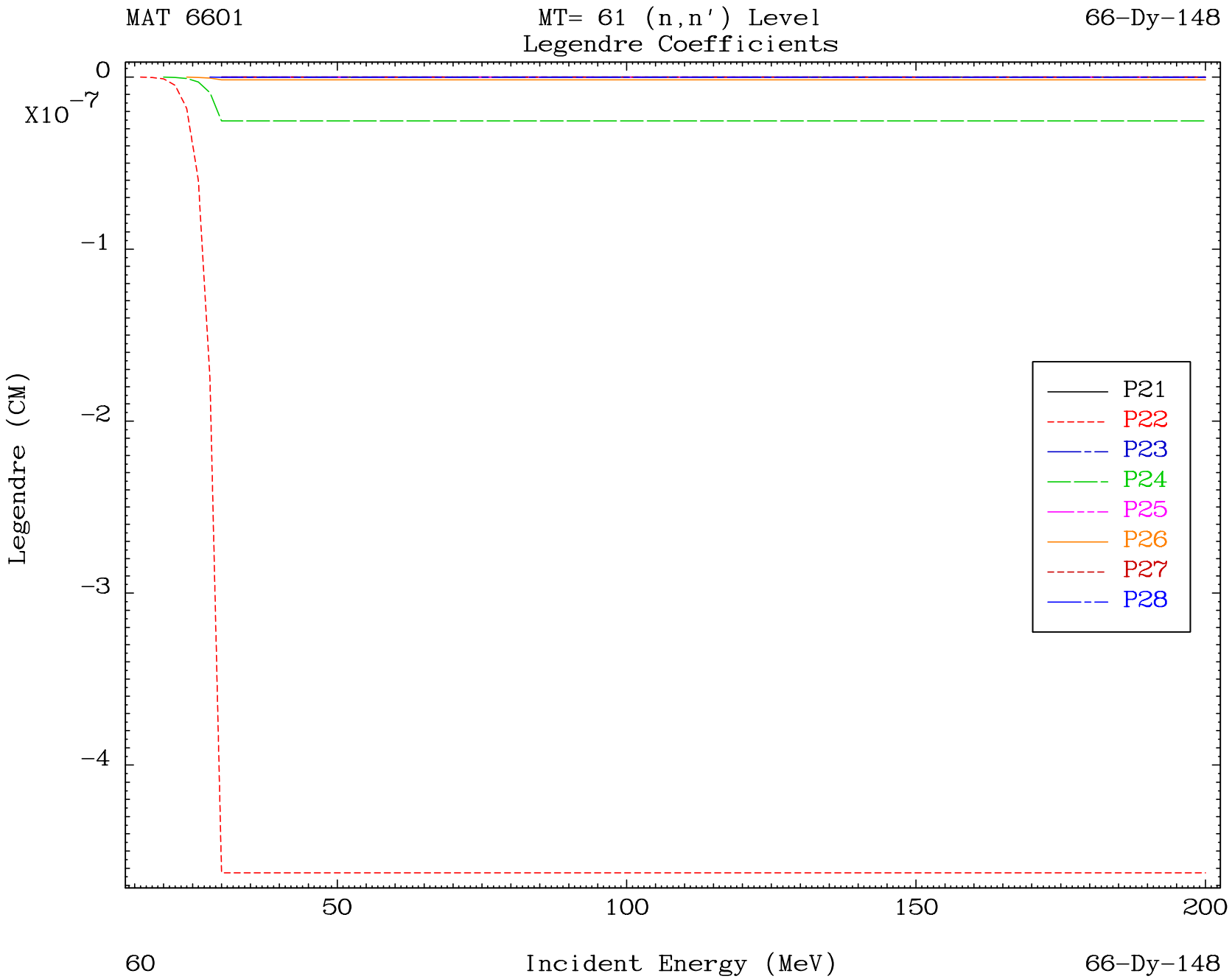

MAT 6601
MT= 60 (n,n') Level
Legendre Coefficients
66-Dy-148
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
55
Incident Energy (MeV)
66-Dy-148

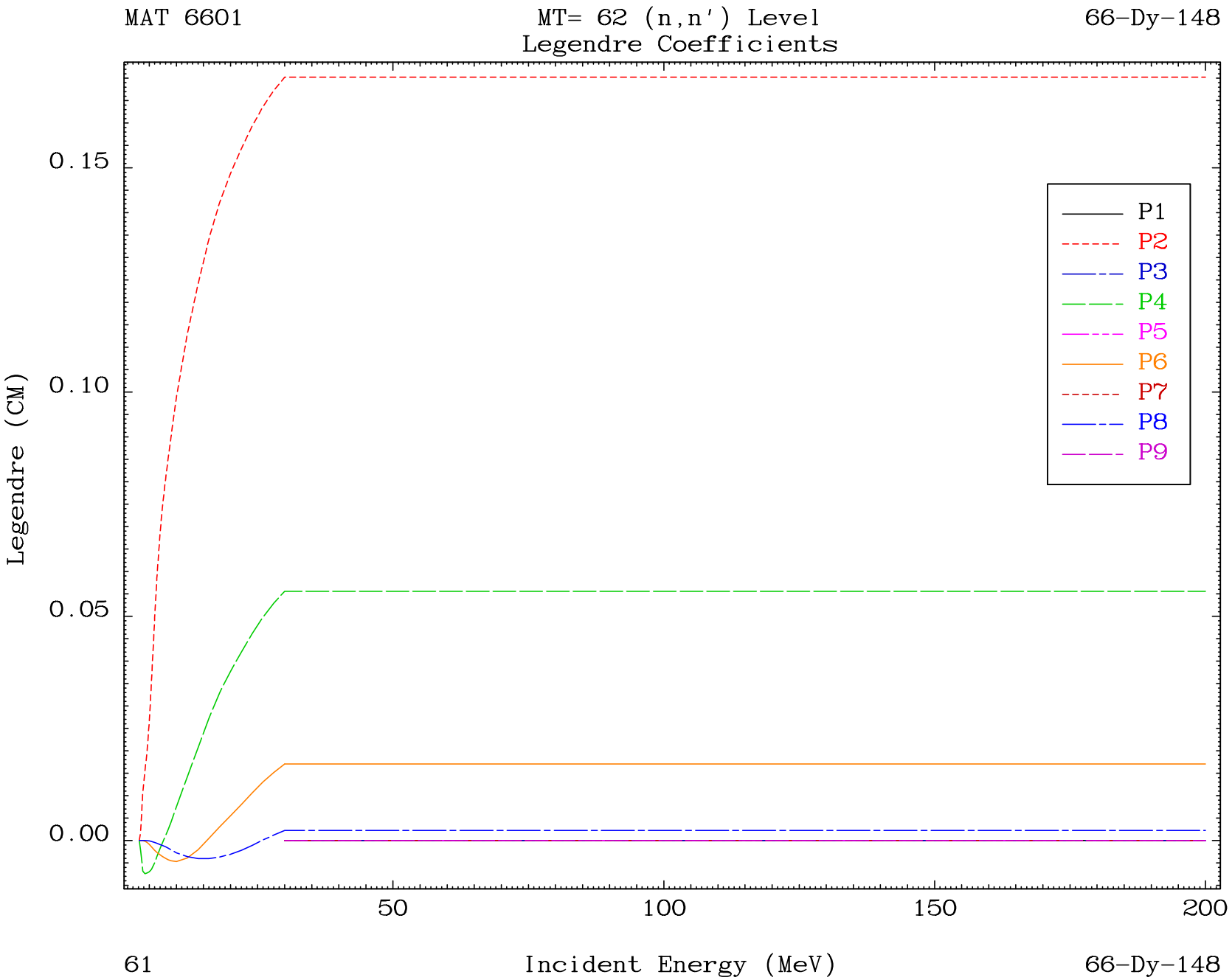

MAT 6601
MT= 60 (n,n') Level
Legendre Coefficients
66-Dy-148
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
−0.002
−0.004
Legendre (CM)
50
100
150
200
56
Incident Energy (MeV)
66-Dy-148

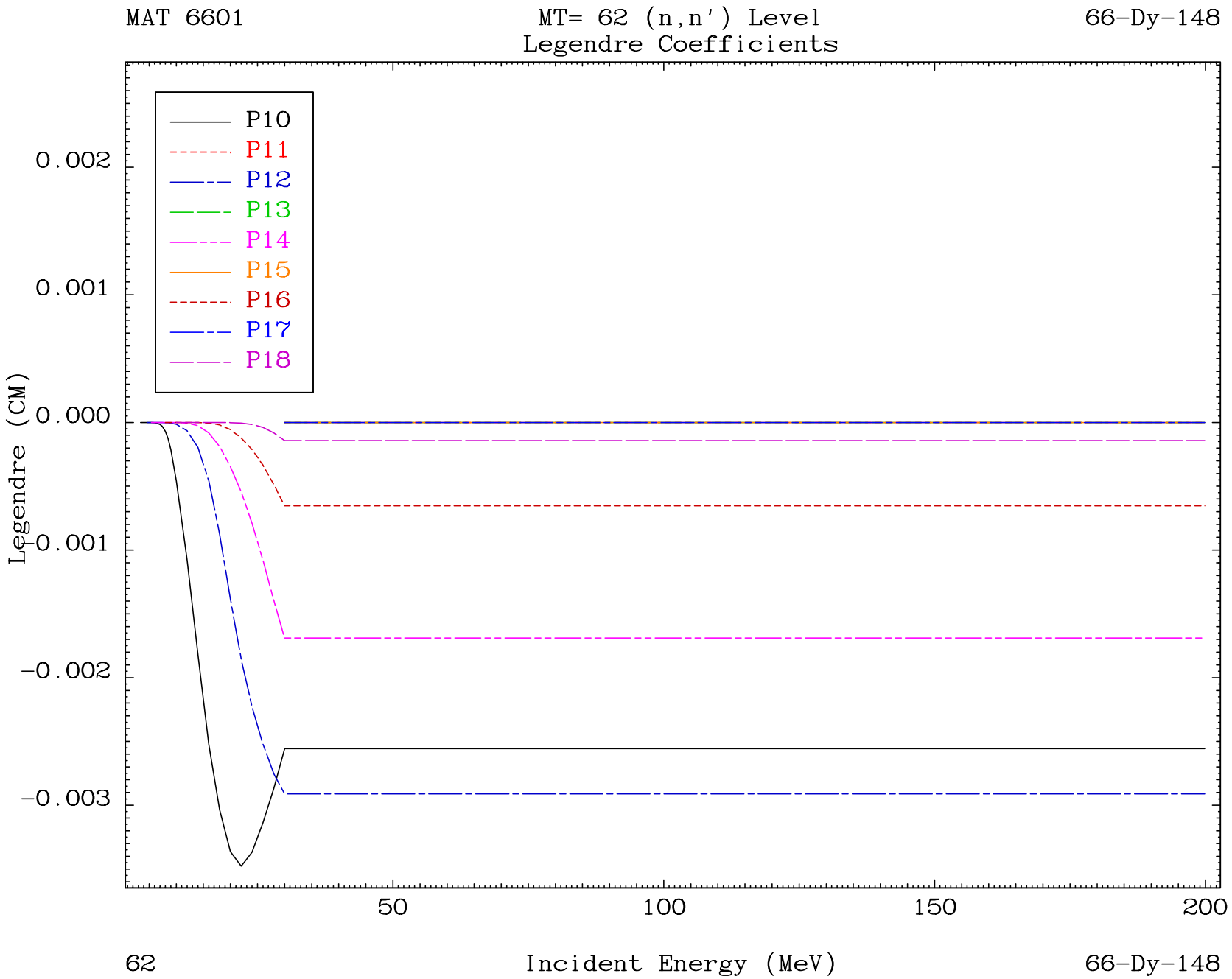

MAT 6601
MT= 60 (n,n') Level
Legendre Coefficients
66-Dy-148
0
X10 −6
−1
−2
−3
−4
Legendre (CM)
50
100
150
200
57
Incident Energy (MeV)
66-Dy-148
P28
P29
P30
P31
P32
P33
P34
P35
P36

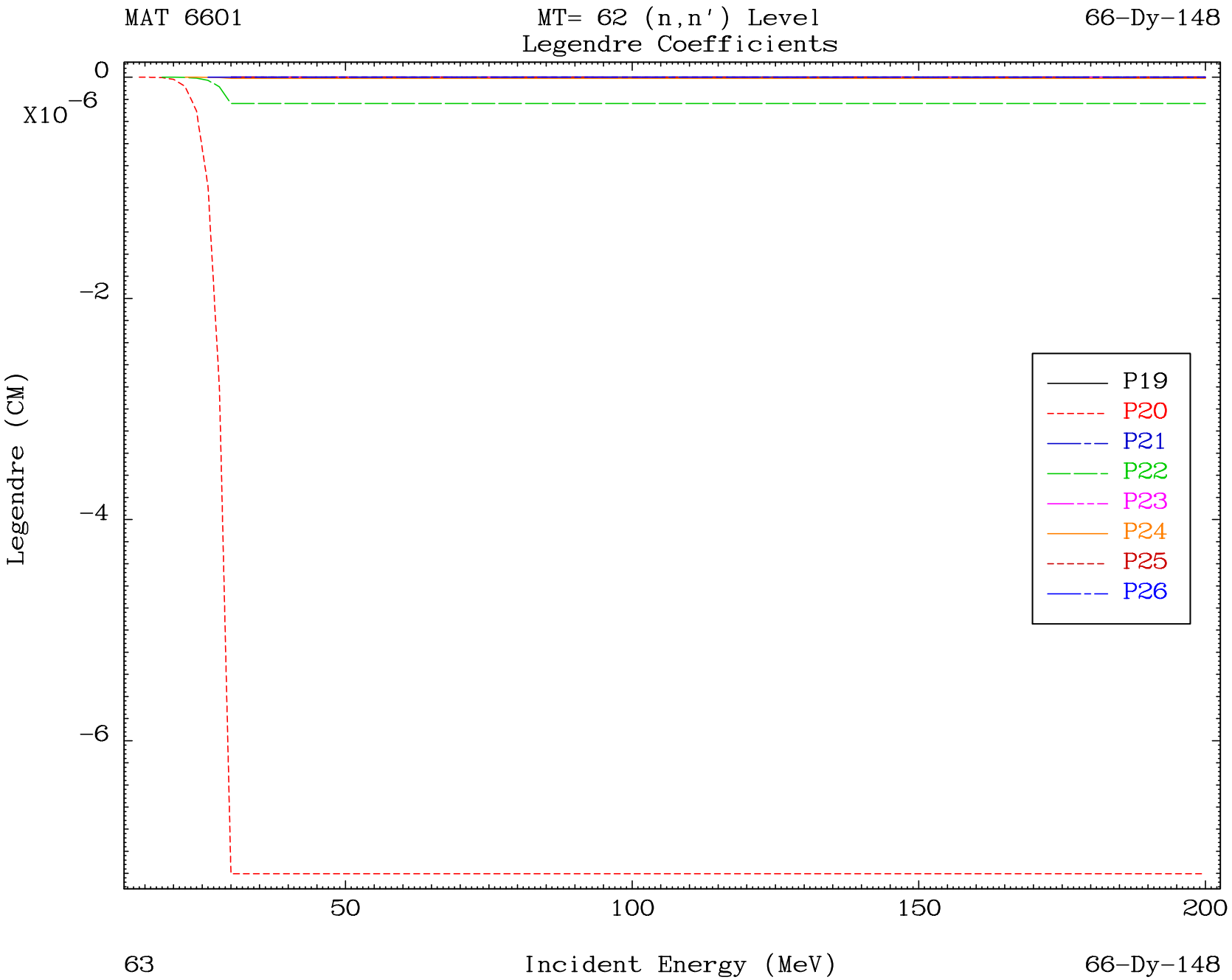

MAT 6601
MT= 61 (n,n') Level
Legendre Coefficients
66-Dy-148
0.10
0.08
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
58
Incident Energy (MeV)
66-Dy-148

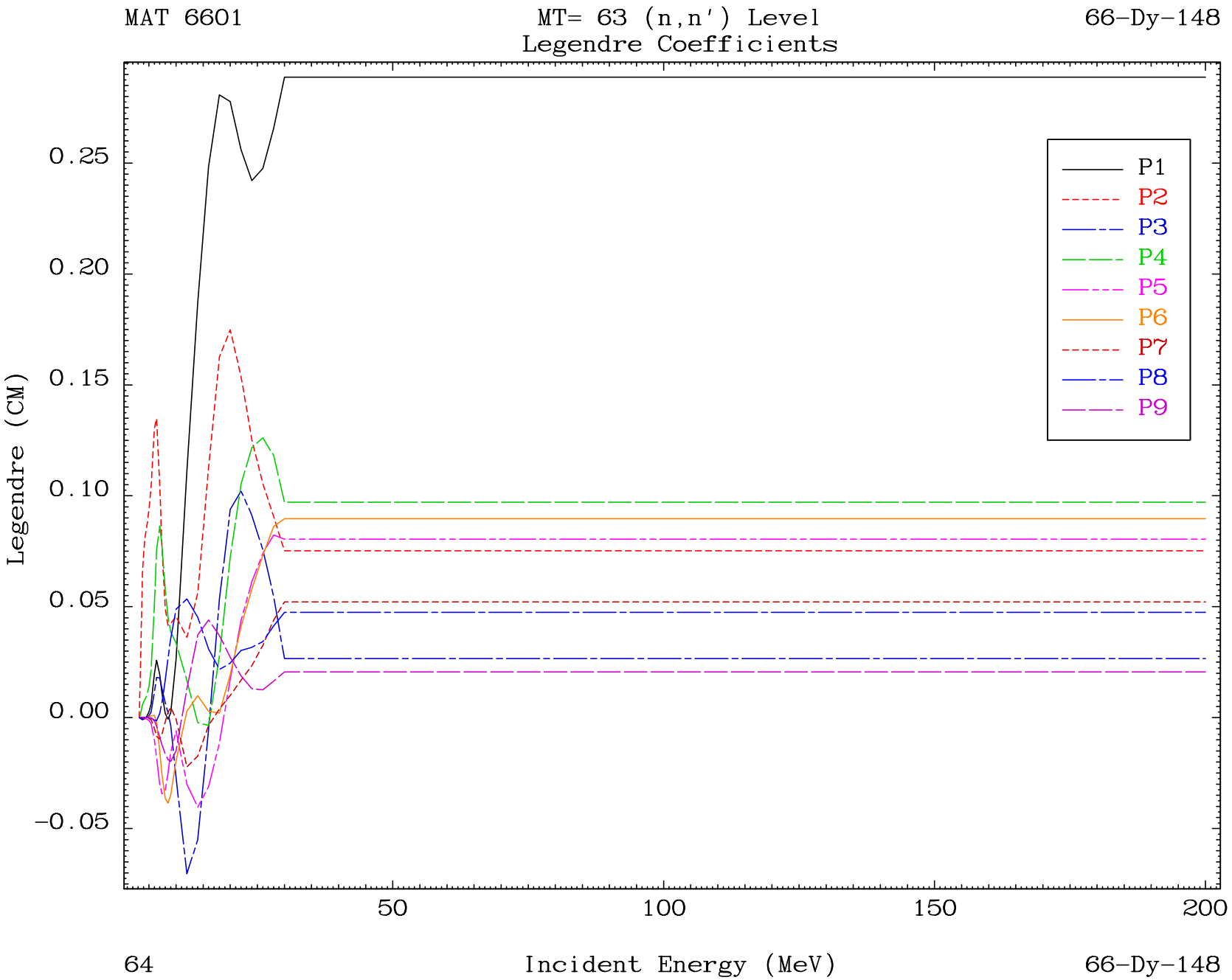

MAT 6601
MT= 61 (n,n') Level
Legendre Coefficients
66-Dy-148
X10^-3
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
59
Incident Energy (MeV)
66-Dy-148

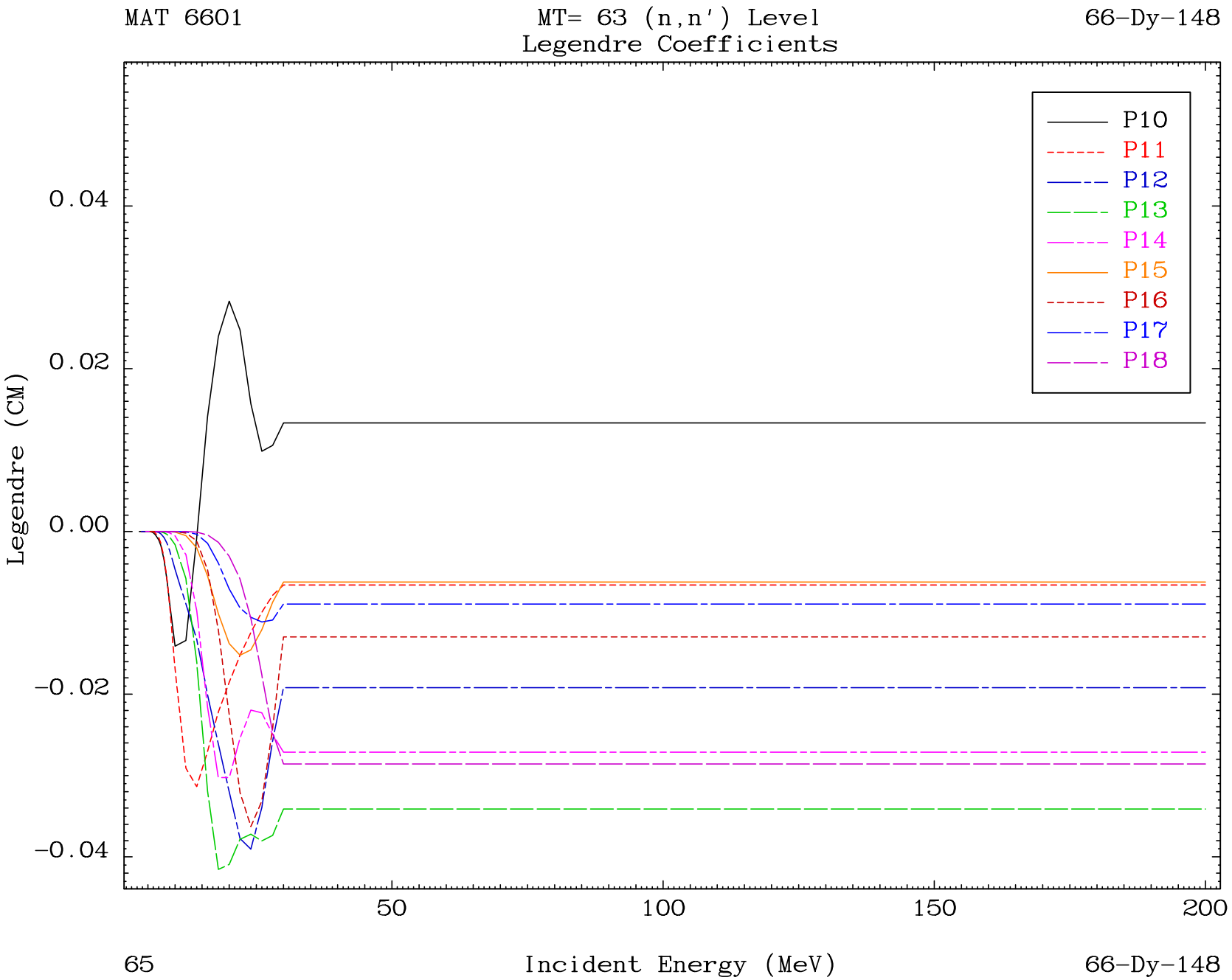

MAT 6601
MT= 61 (n,n') Level
Legendre Coefficients
66-Dy-148
0
X10-7
-1
-2
-3
-4
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
60
Incident Energy (MeV)
66-Dy-148

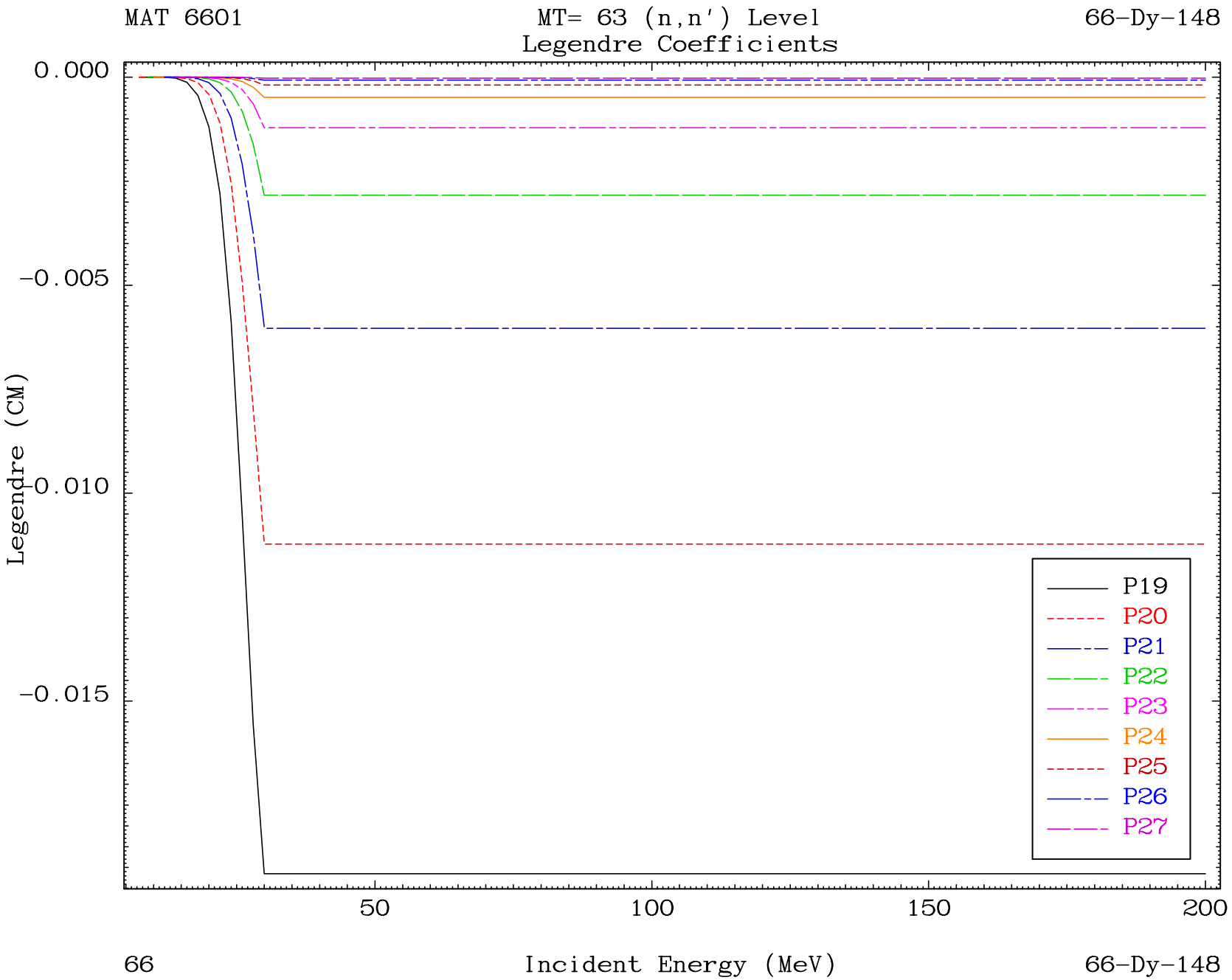

MAT 6601
MT= 62 (n,n') Level
Legendre Coefficients
66-Dy-148
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
61
Incident Energy (MeV)
66-Dy-148

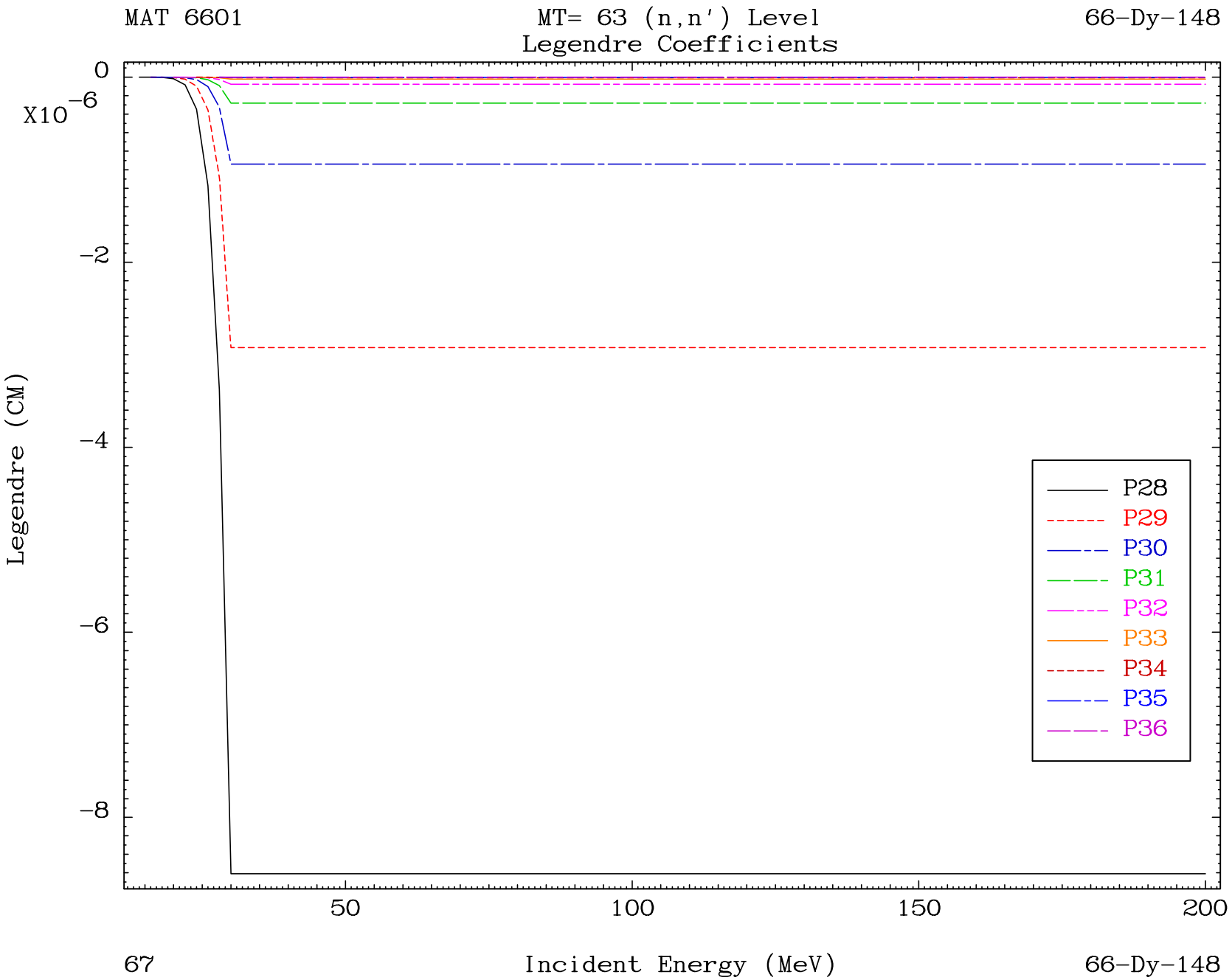

MAT 6601
MT= 62 (n,n') Level
Legendre Coefficients
66-Dy-148
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.002
0.001
0.000
-0.001
-0.002
-0.003
Legendre (CM)
50
100
150
200
62
Incident Energy (MeV)
66-Dy-148

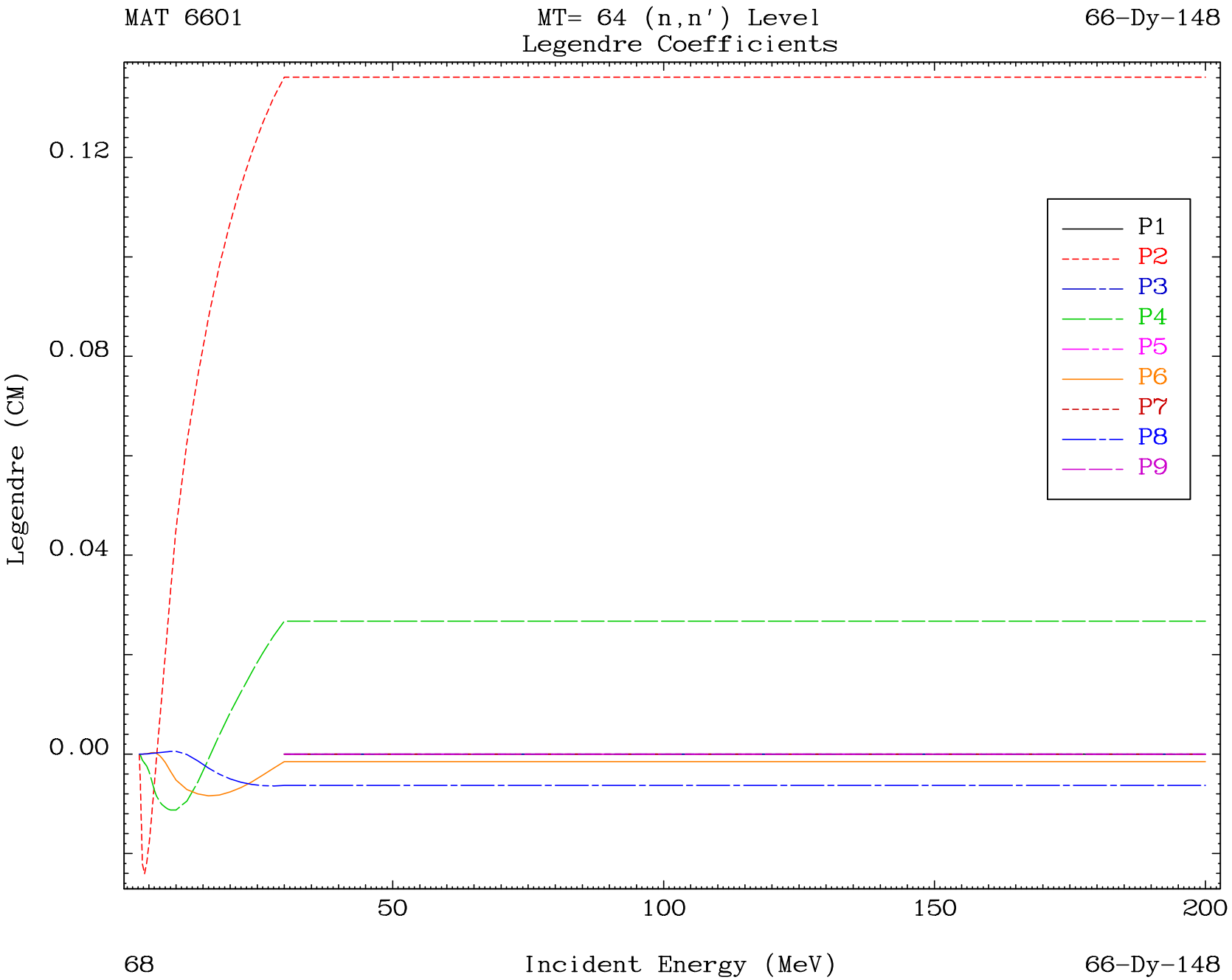

MAT 6601
MT= 62 (n,n') Level
Legendre Coefficients
66-Dy-148
0
X10 −6
−2
−4
−6
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
63
Incident Energy (MeV)
66-Dy-148

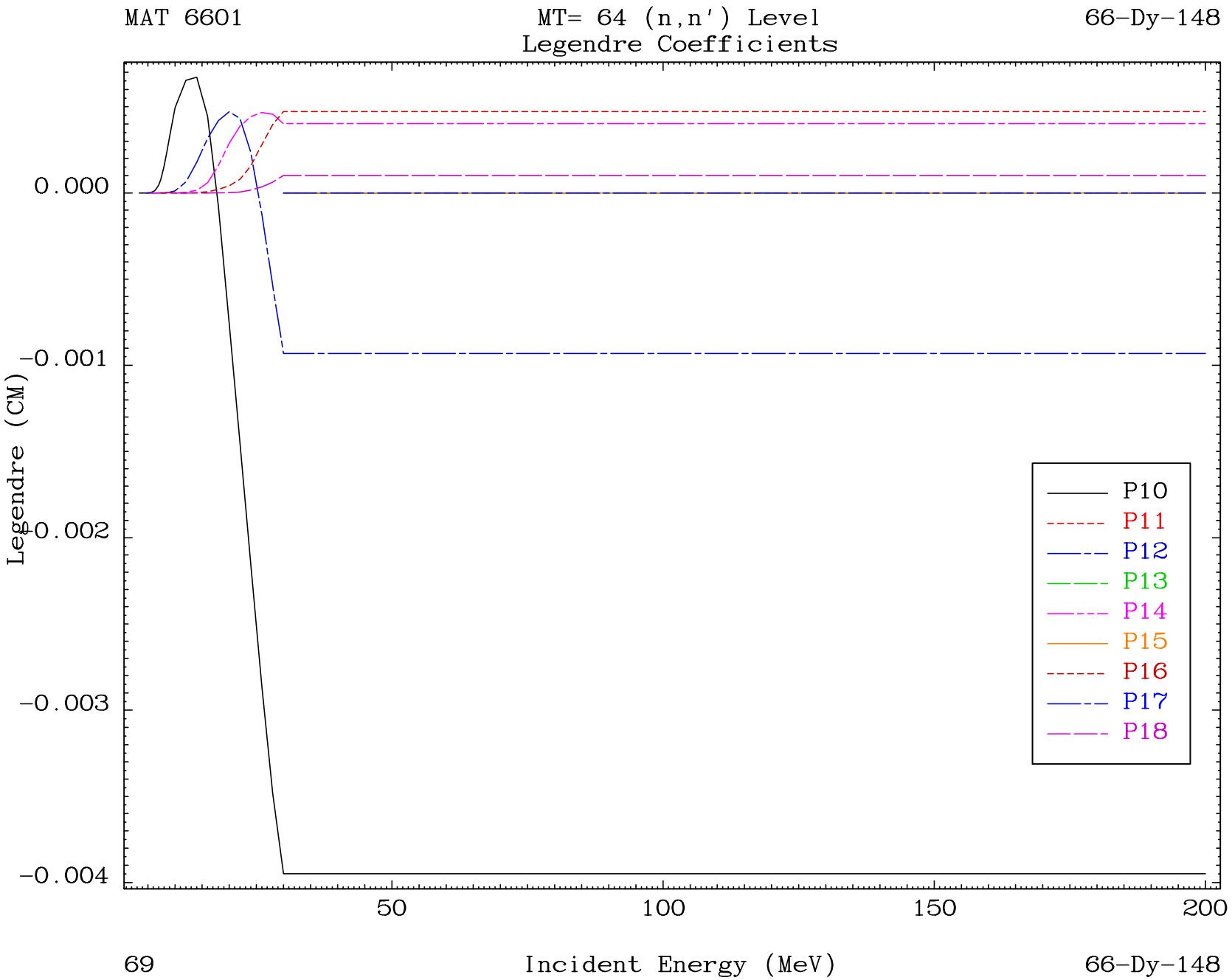

MAT 6601
MT= 63 (n,n') Level
Legendre Coefficients
66-Dy-148
Legendre (CM)
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
64
Incident Energy (MeV)
66-Dy-148

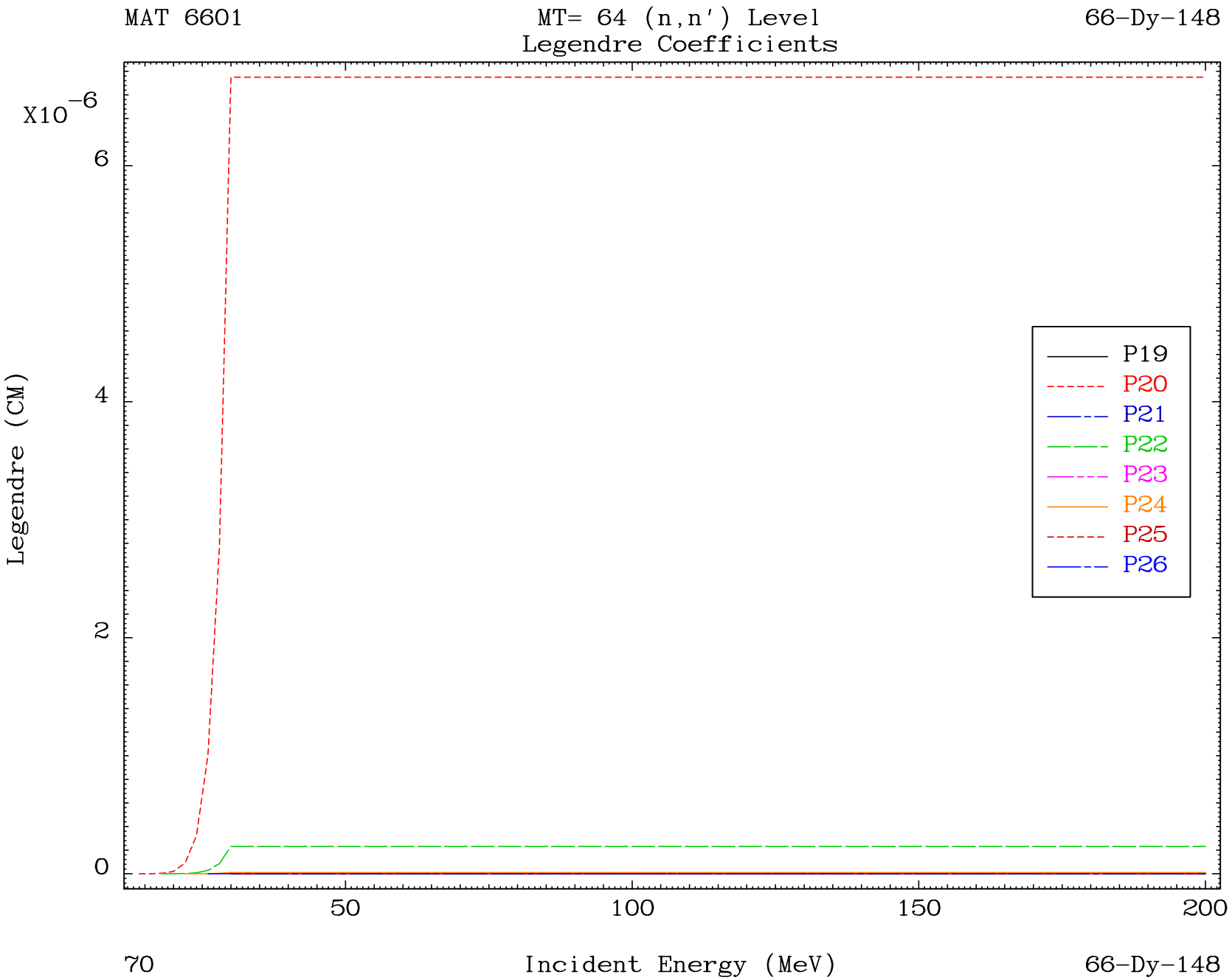

MAT 6601
MT= 63 (n,n') Level
Legendre Coefficients
66-Dy-148
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
65
Incident Energy (MeV)
66-Dy-148

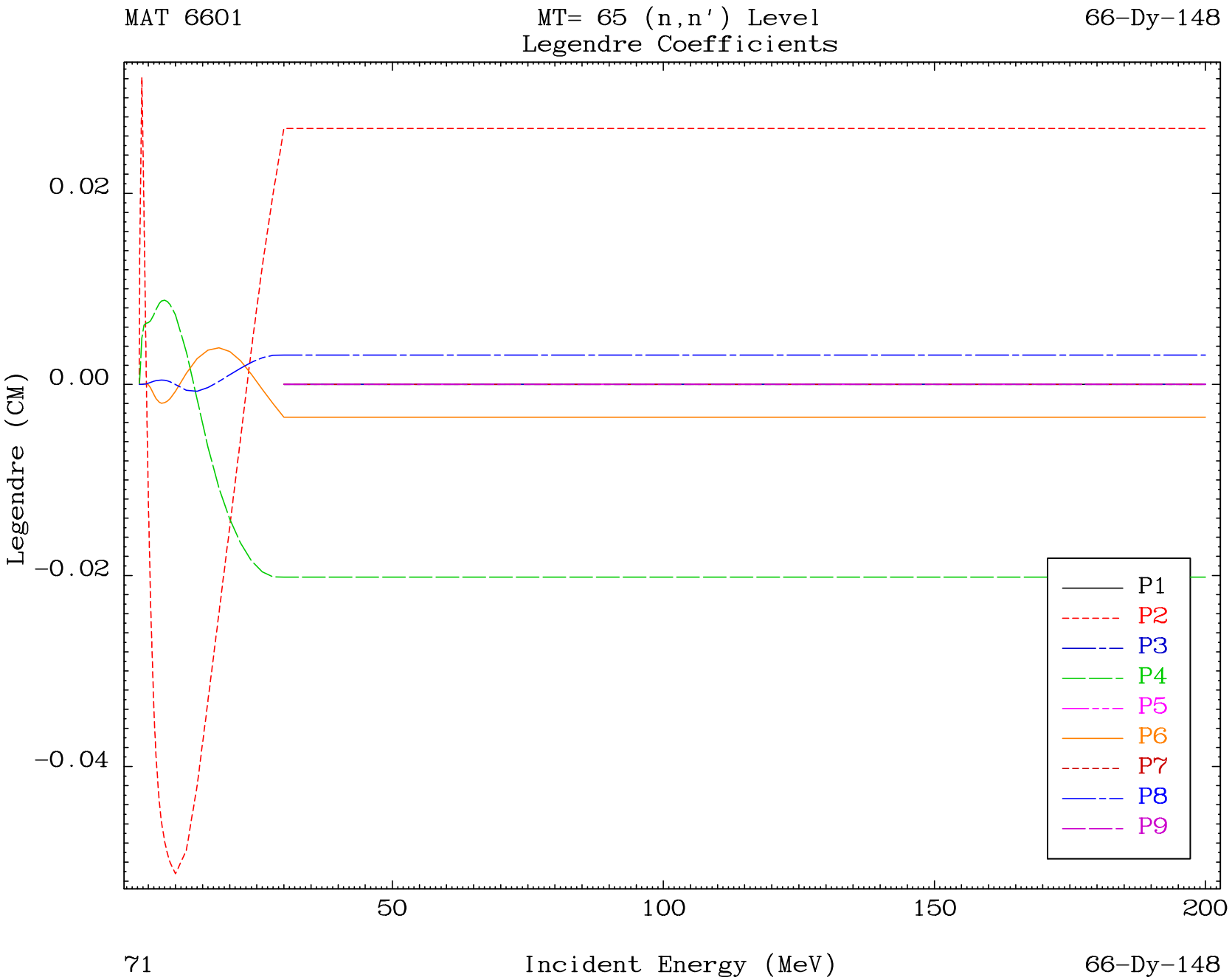

MAT 6601
MT= 63 (n,n') Level
Legendre Coefficients
66-Dy-148
0.000
-0.005
-0.010
-0.015
Legendre (CM)
50
100
150
200
66
Incident Energy (MeV)
66-Dy-148
P19
P20
P21
P22
P23
P24
P25
P26
P27

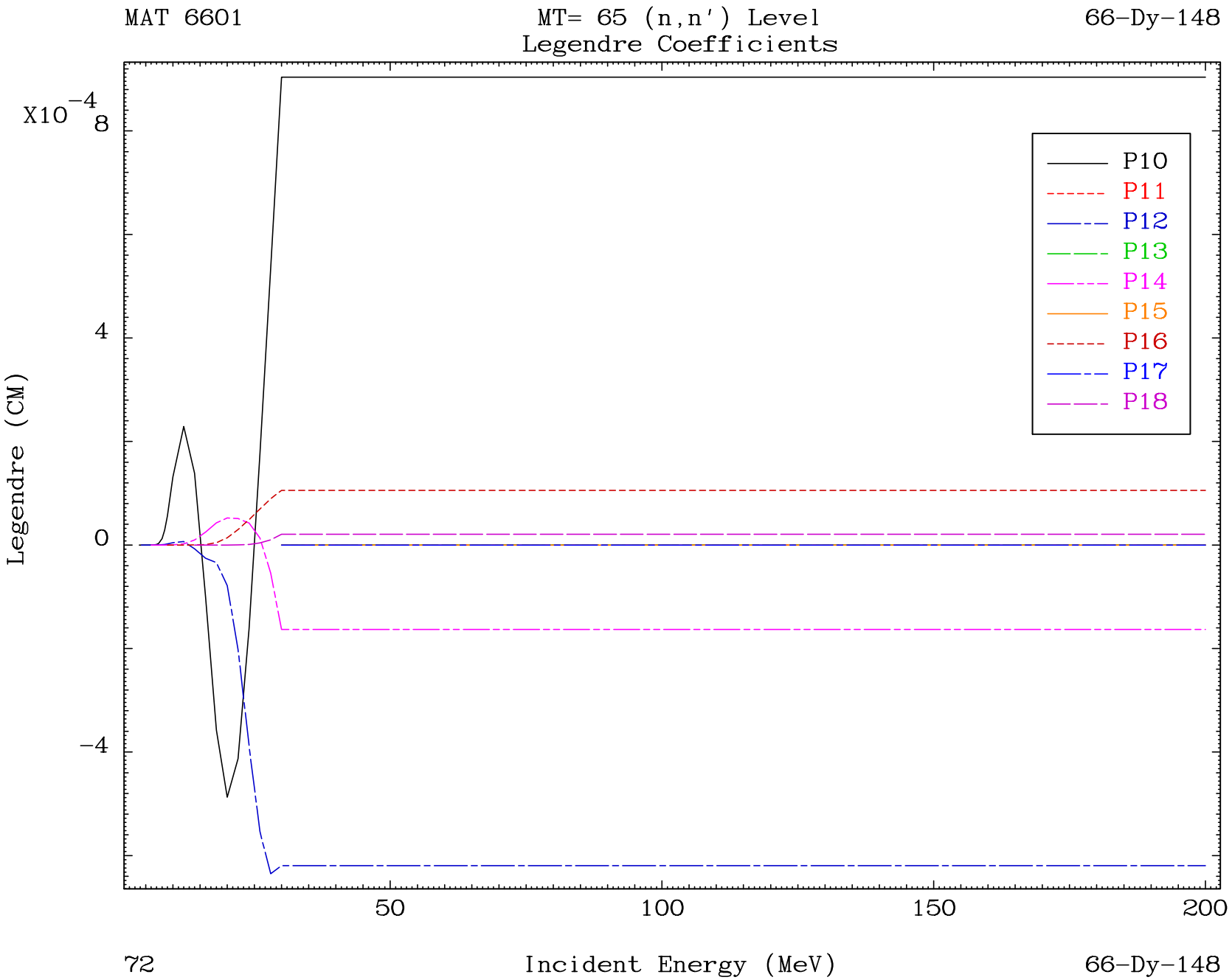

MAT 6601
MT= 63 (n,n') Level
Legendre Coefficients
66-Dy-148
0
X10 −6
−2
−4
−6
−8
Legendre (CM)
50
100
150
200
67
Incident Energy (MeV)
66-Dy-148
P28
P29
P30
P31
P32
P33
P34
P35
P36

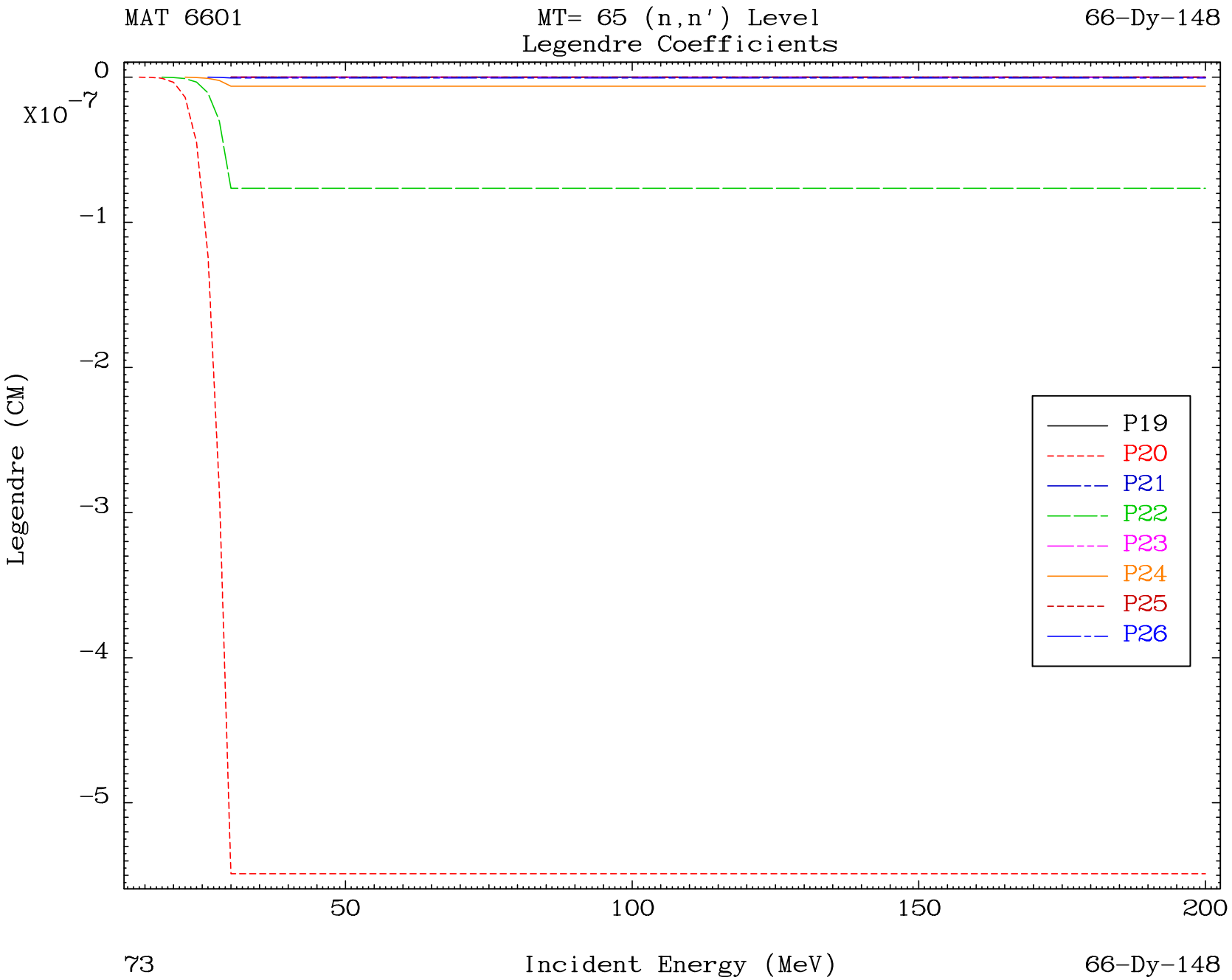

MAT 6601
MT= 64 (n,n') Level
Legendre Coefficients
66-Dy-148
0.12
0.08
0.04
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
68
Incident Energy (MeV)
66-Dy-148

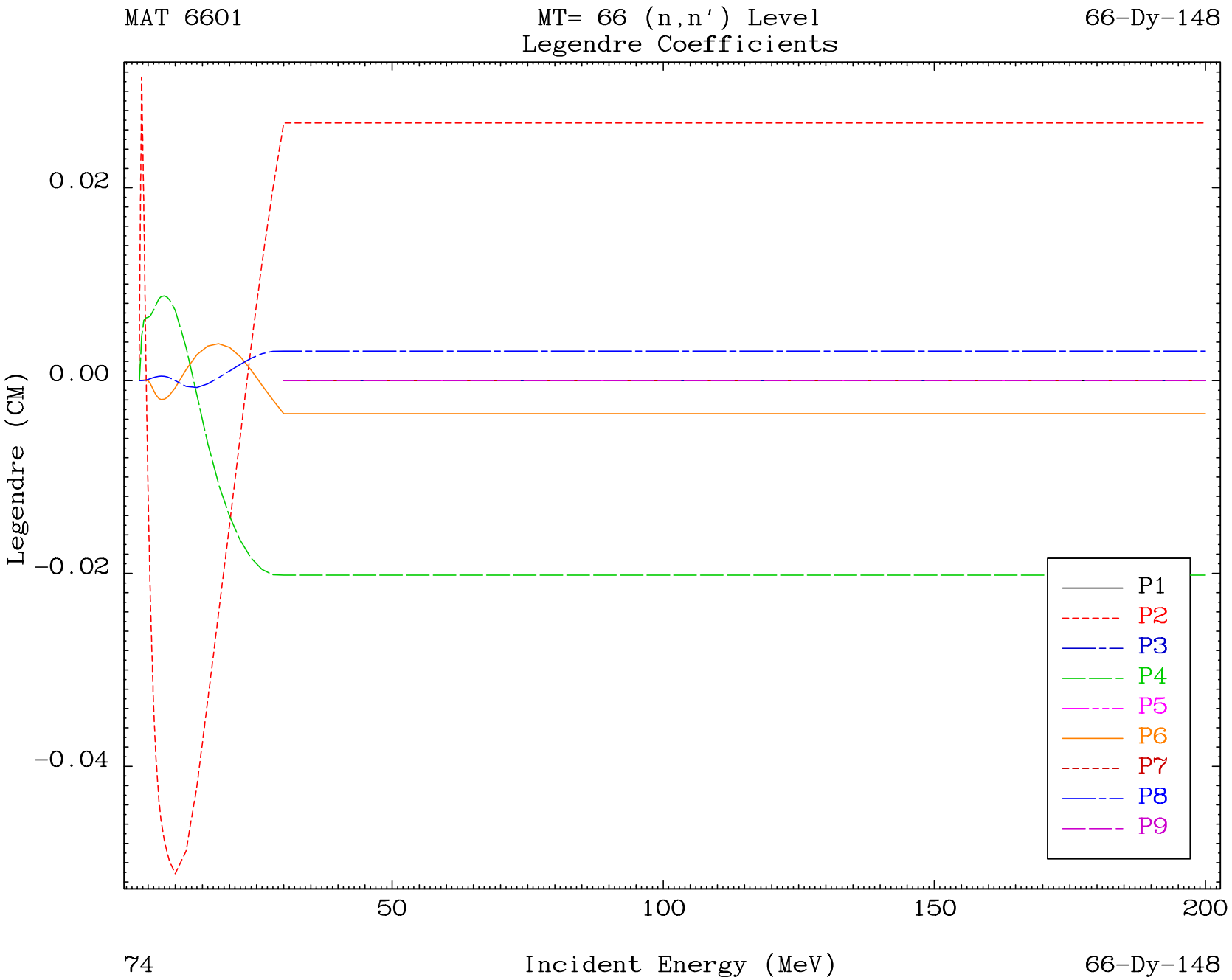

MAT 6601
MT= 64 (n,n') Level
Legendre Coefficients
66-Dy-148
0.000
-0.001
-0.002
-0.003
-0.004
Legendre (CM)
50
100
150
200
69
Incident Energy (MeV)
66-Dy-148
P10
P11
P12
P13
P14
P15
P16
P17
P18

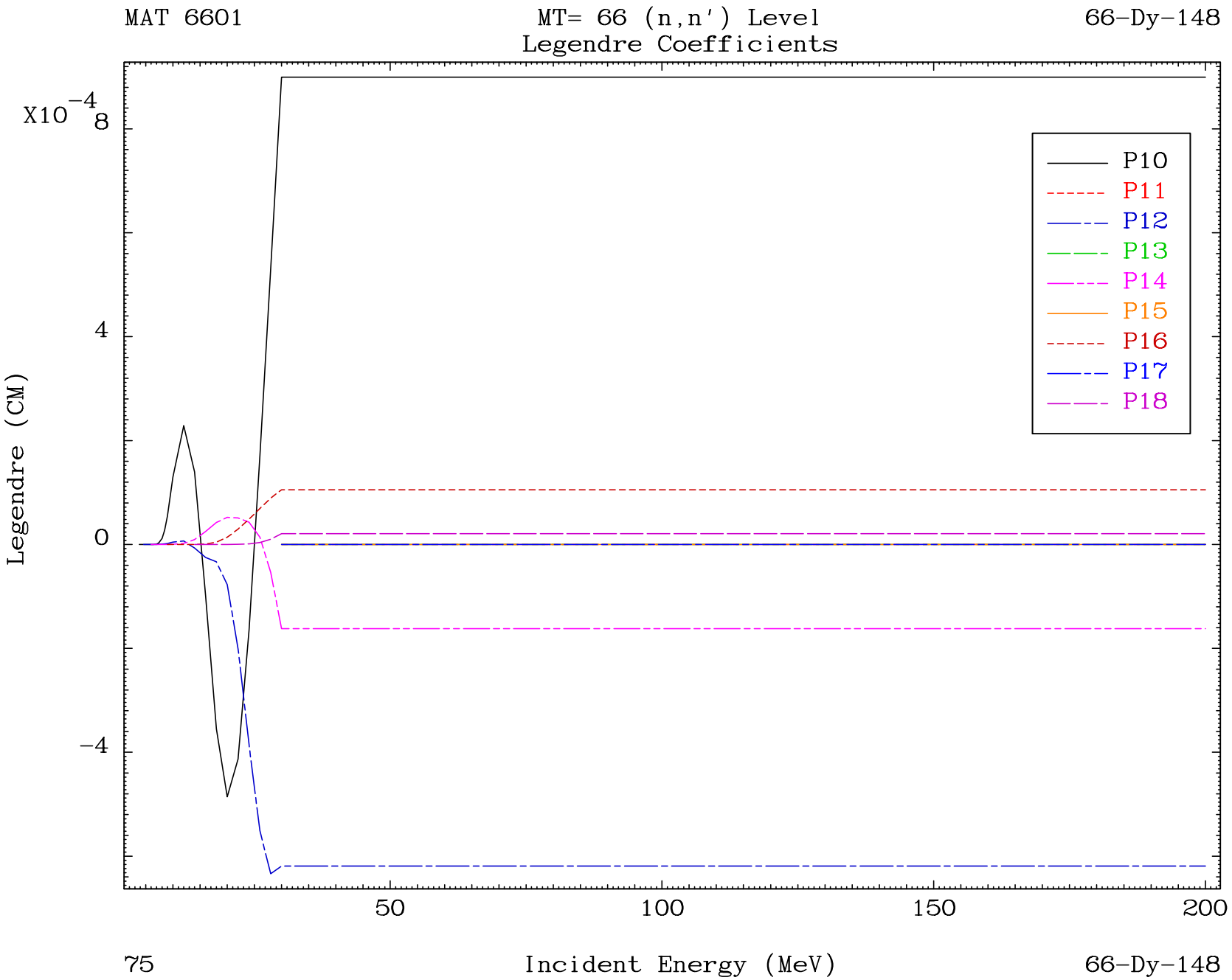

MAT 6601
MT= 64 (n,n') Level
Legendre Coefficients
66-Dy-148
X10^-6
6
4
2
0
Legendre (CM)
50
100
150
200
70
Incident Energy (MeV)
66-Dy-148
P19
P20
P21
P22
P23
P24
P25
P26

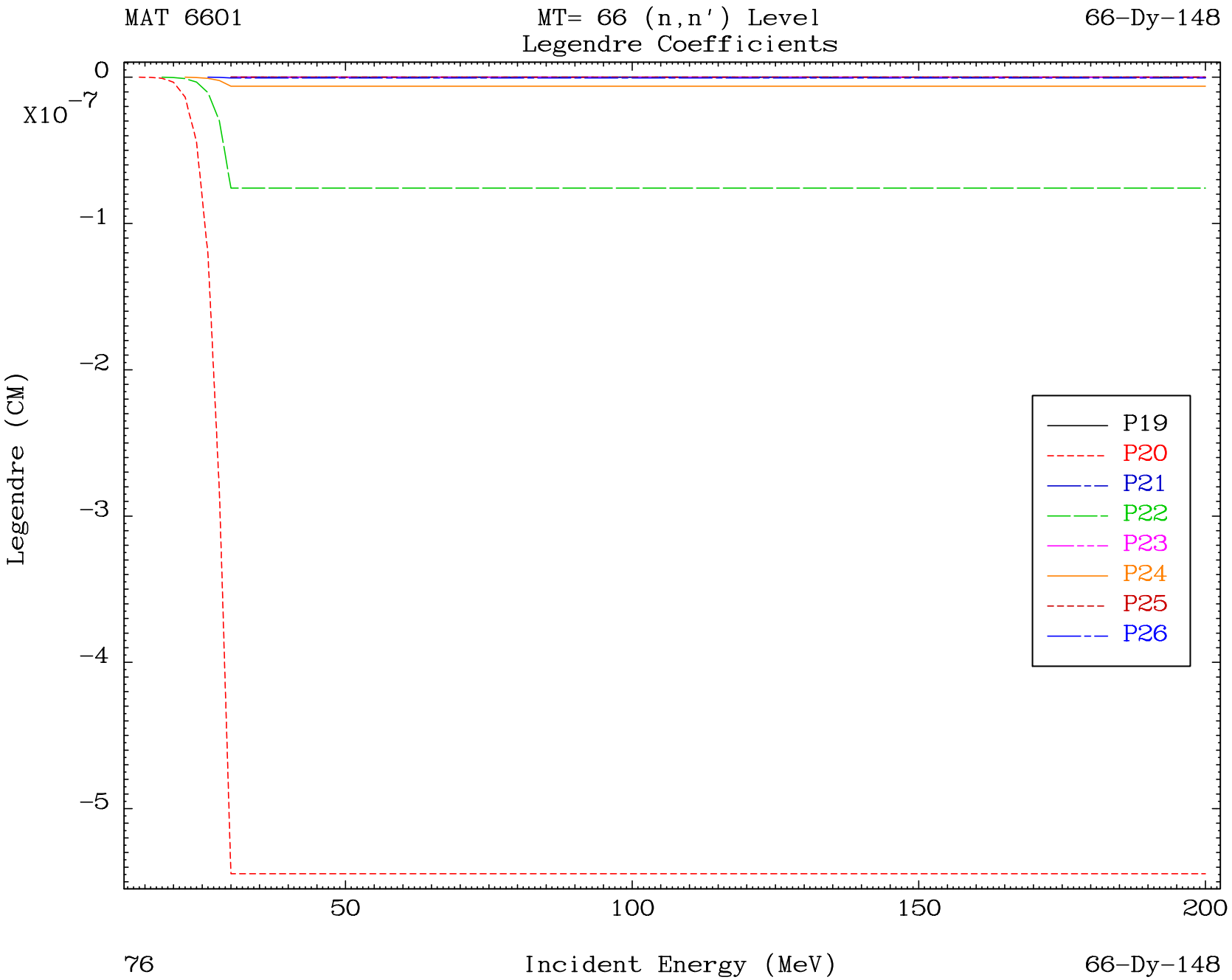

MAT 6601
MT= 65 (n,n') Level
Legendre Coefficients
66-Dy-148
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
71
Incident Energy (MeV)
66-Dy-148
P1
P2
P3
P4
P5
P6
P7
P8
P9

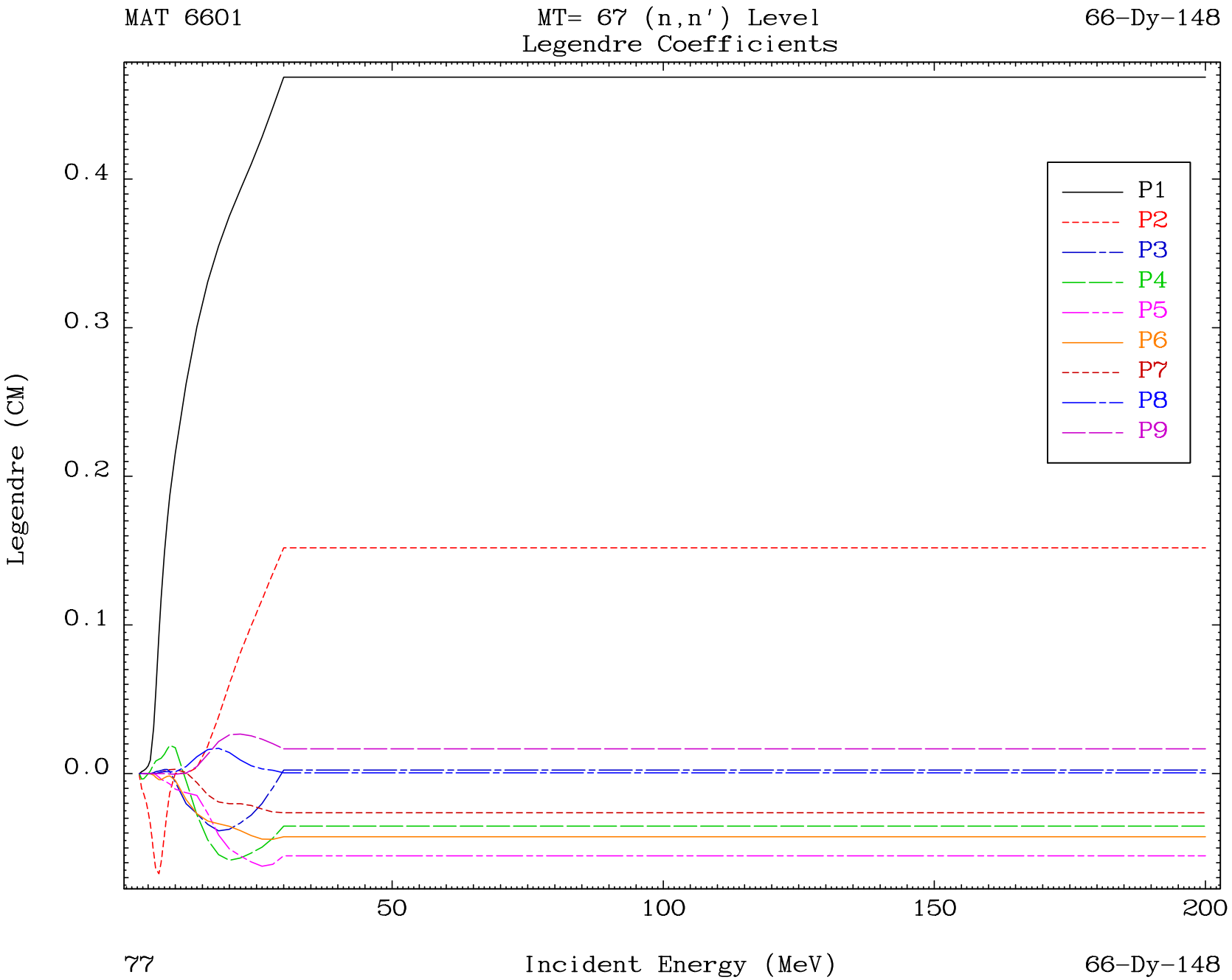

MAT 6601
MT= 65 (n,n') Level
Legendre Coefficients
66-Dy-148
X10 -4
8
4
0
-4
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
72
Incident Energy (MeV)
66-Dy-148

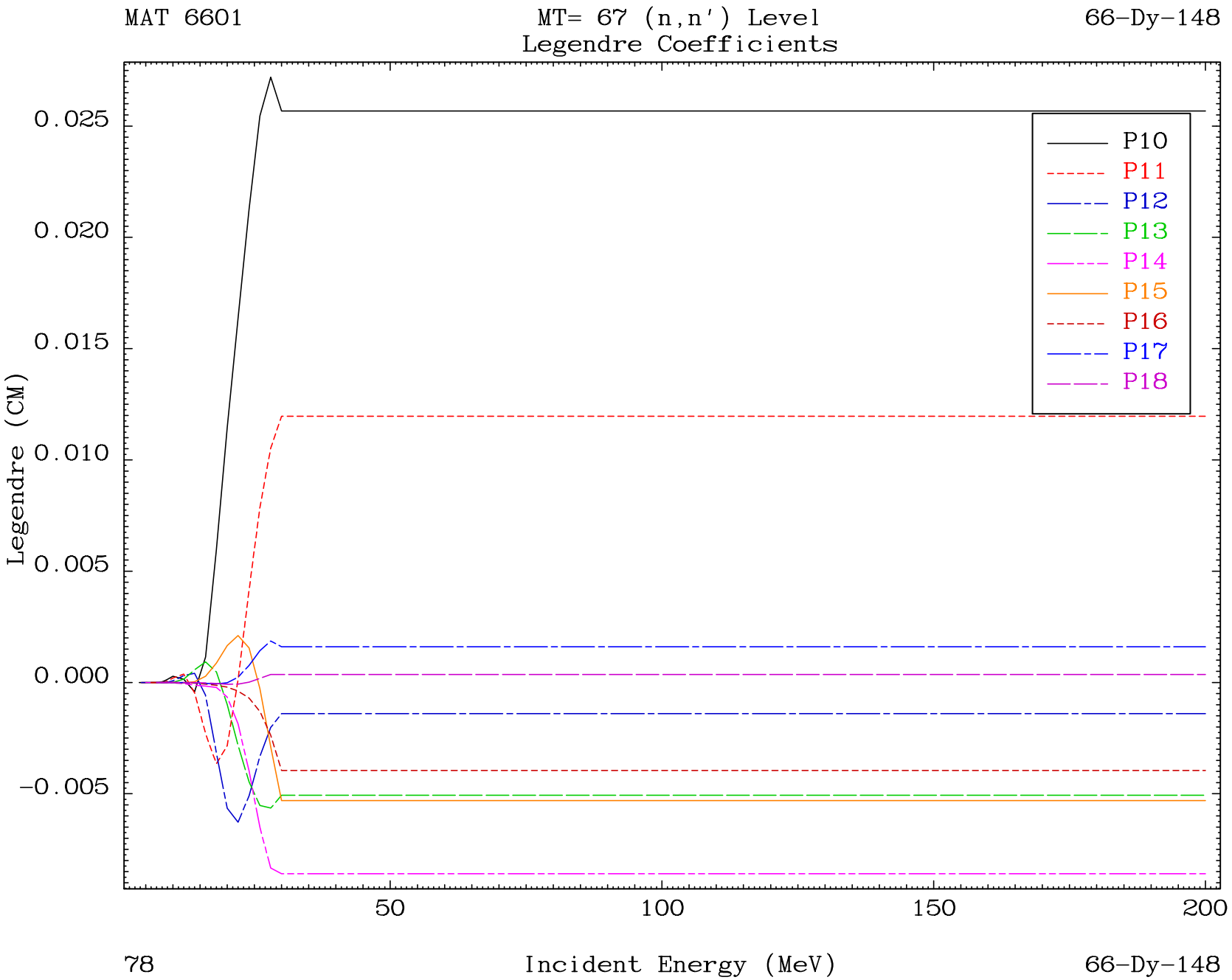

MAT 6601
MT= 65 (n,n') Level
Legendre Coefficients
66-Dy-148
X10^-7
0
-1
-2
-3
-4
-5
Legendre (CM)
50
100
150
200
P19
P20
P21
P22
P23
P24
P25
P26
73
Incident Energy (MeV)
66-Dy-148

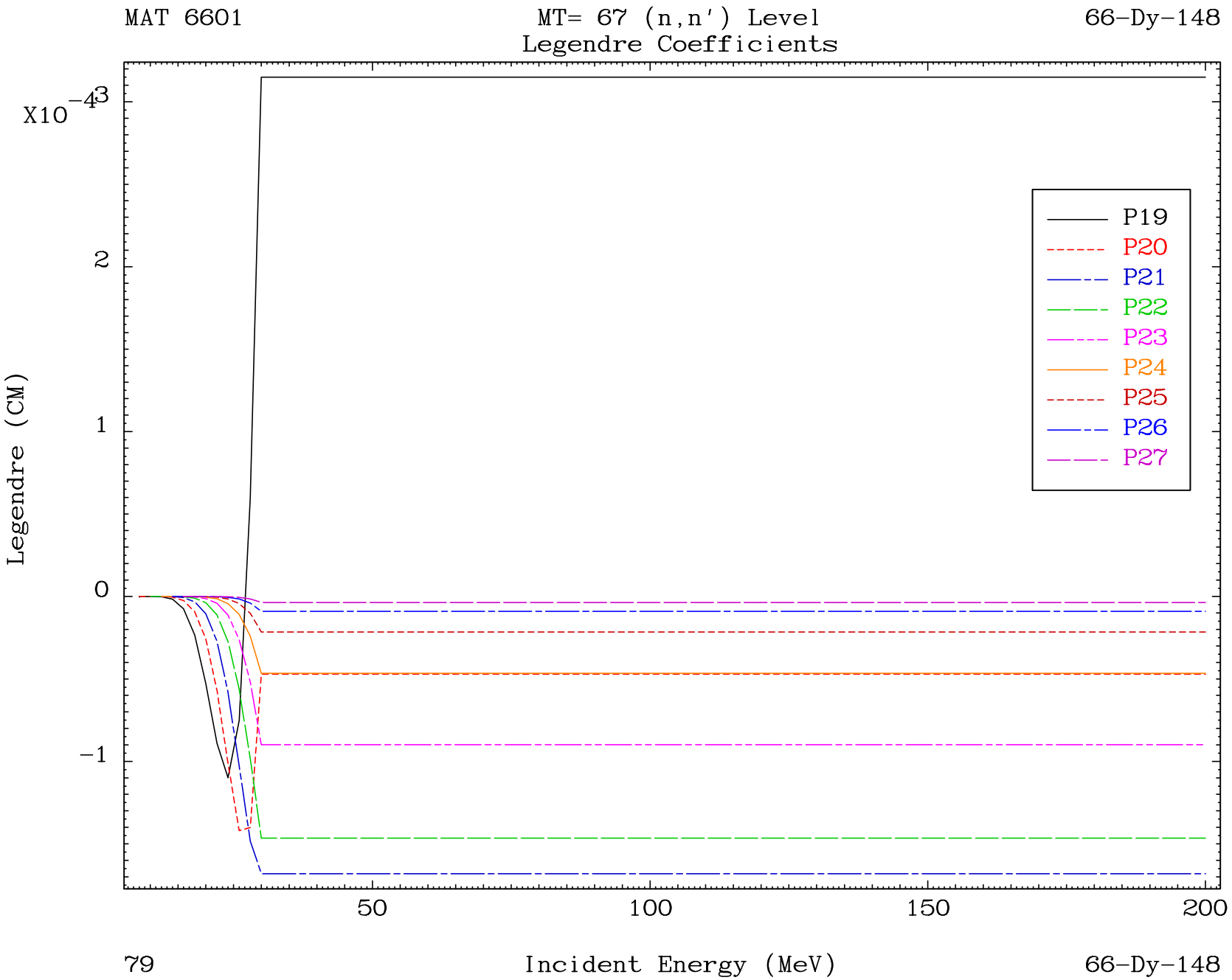

MAT 6601
MT= 66 (n,n') Level
Legendre Coefficients
66-Dy-148
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
74
Incident Energy (MeV)
66-Dy-148
P1
P2
P3
P4
P5
P6
P7
P8
P9

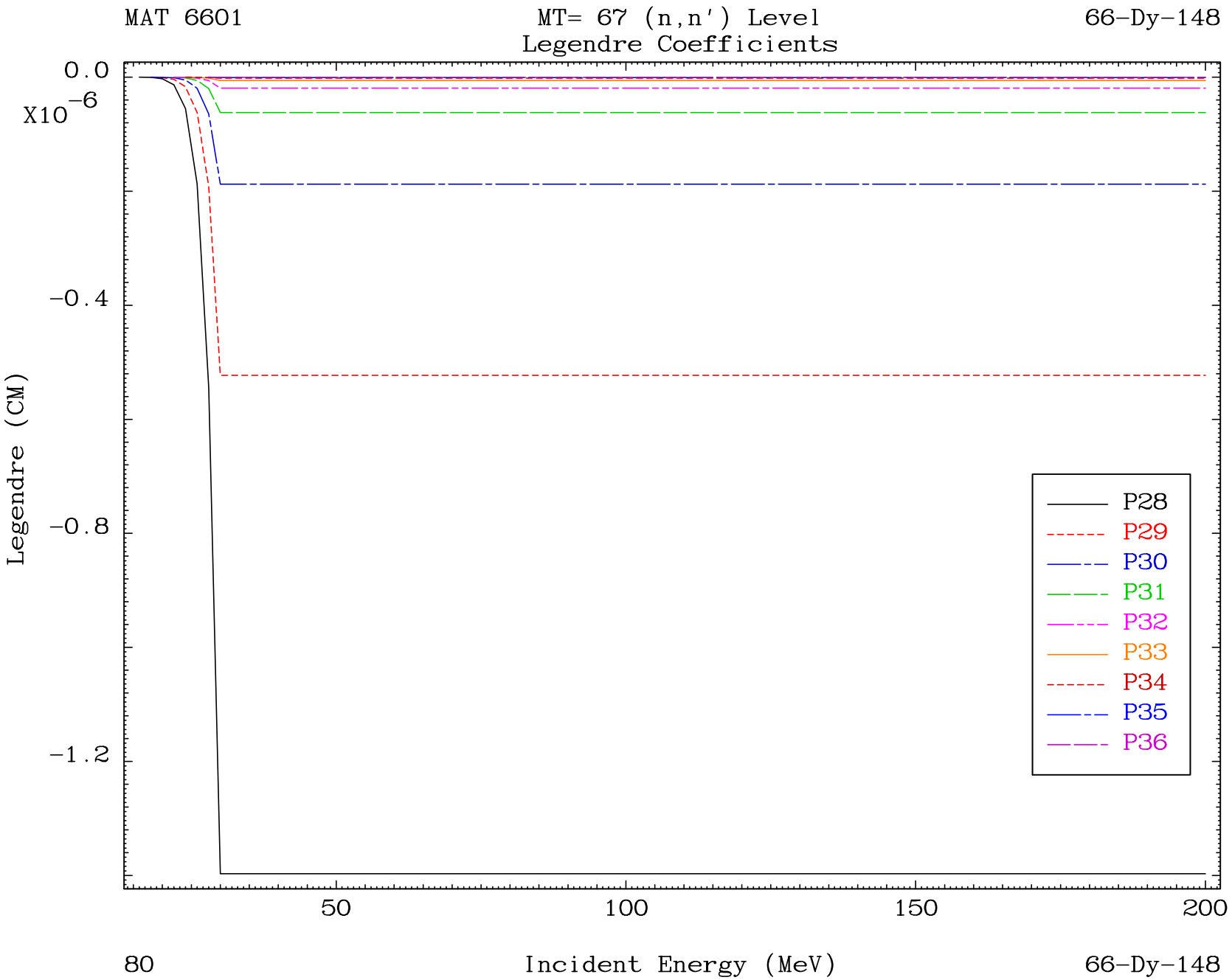

MAT 6601
MT= 66 (n,n') Level
Legendre Coefficients
66-Dy-148
X10 -4
8
4
0
-4
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
75
Incident Energy (MeV)
66-Dy-148

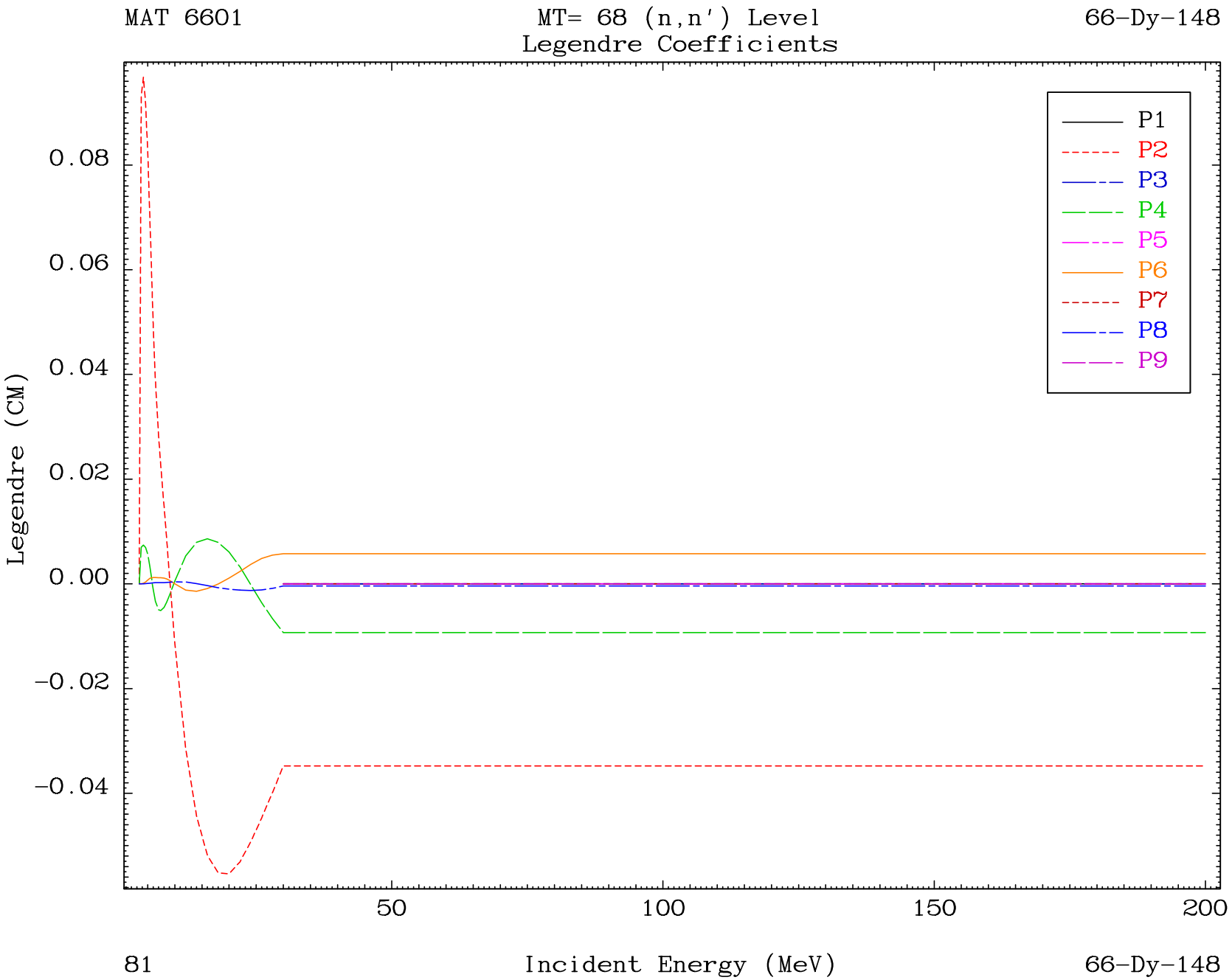

MAT 6601
MT= 66 (n,n') Level
Legendre Coefficients
66-Dy-148
X10-7
0
-1
-2
-3
-4
-5
Legendre (CM)
50
100
150
200
P19
P20
P21
P22
P23
P24
P25
P26
76
Incident Energy (MeV)
66-Dy-148

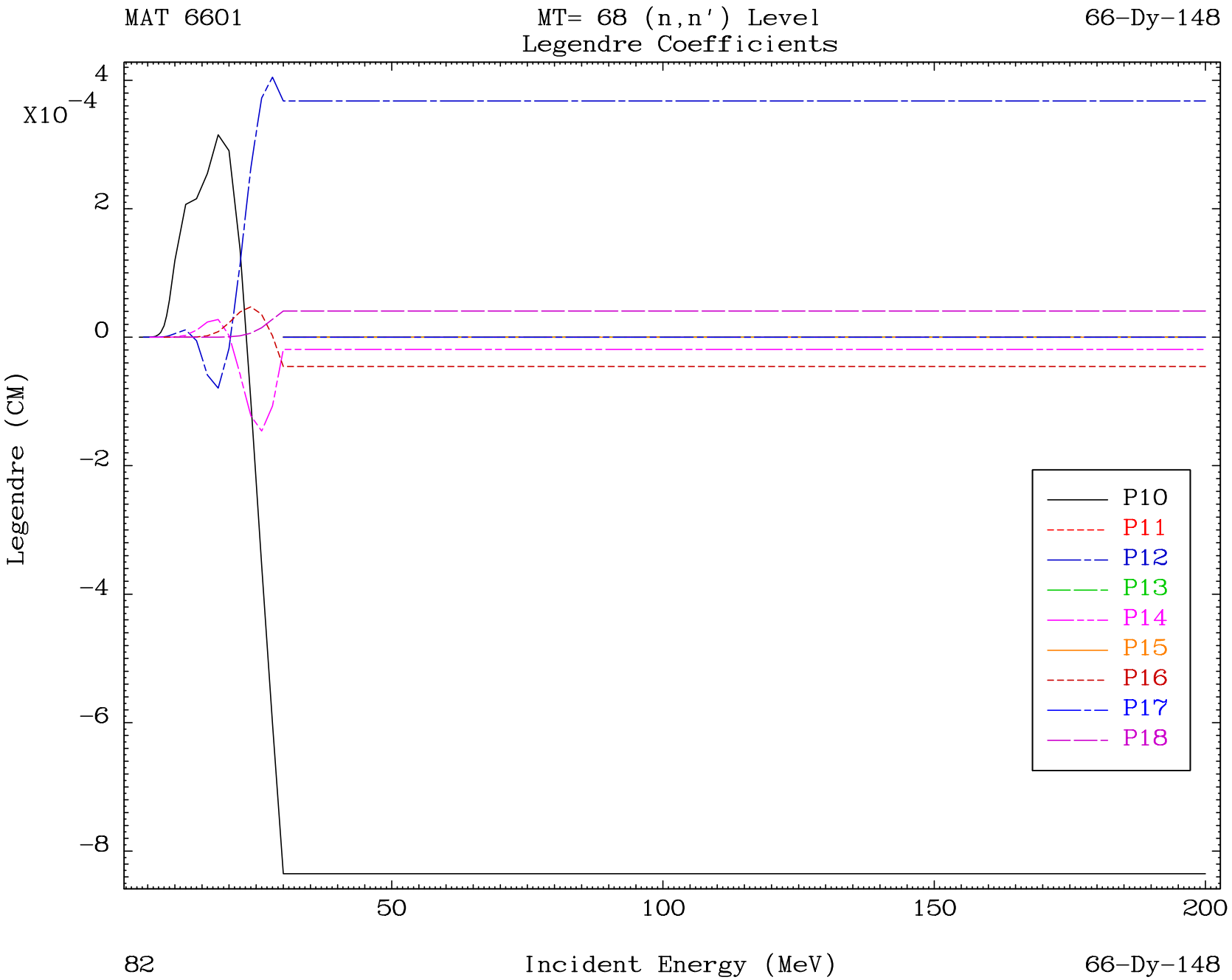

MAT 6601
MT= 67 (n,n') Level
Legendre Coefficients
66-Dy-148
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
77
Incident Energy (MeV)
66-Dy-148
P1
P2
P3
P4
P5
P6
P7
P8
P9

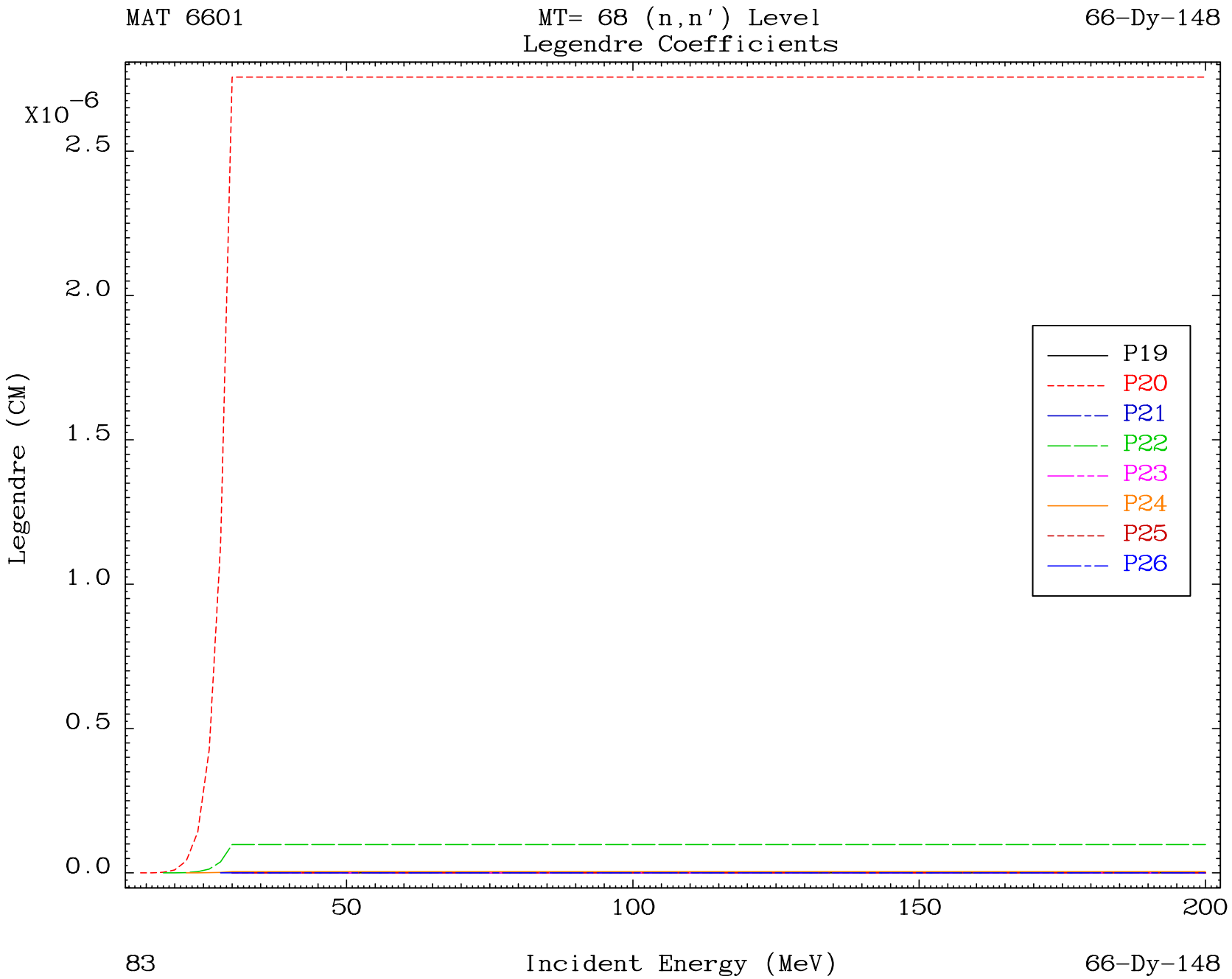

MAT 6601
MT= 67 (n,n') Level
Legendre Coefficients
66-Dy-148
0.025
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
78
Incident Energy (MeV)
66-Dy-148

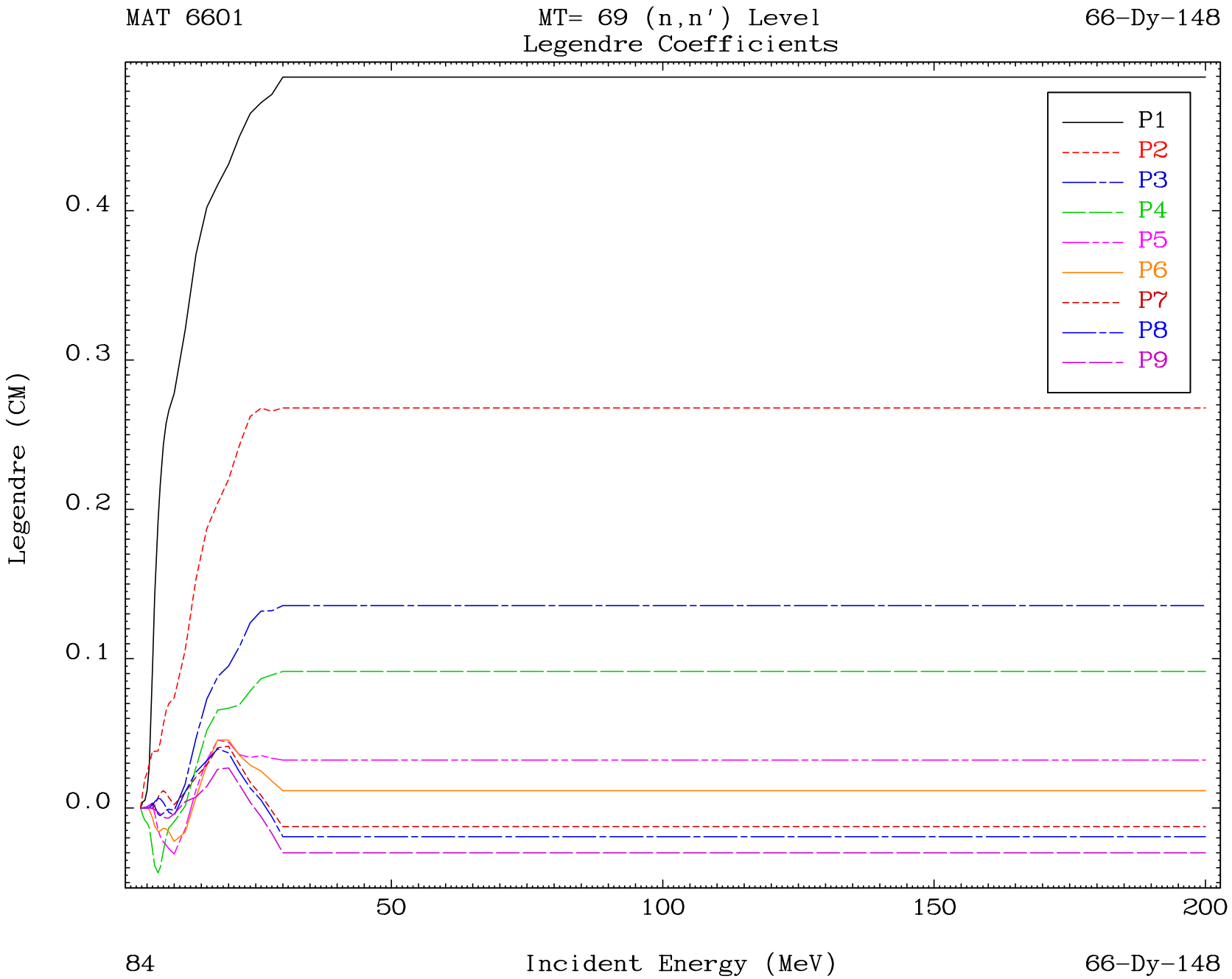

MAT 6601
MT= 67 (n,n') Level
Legendre Coefficients
66-Dy-148
X10^-4
3
2
1
0
-1
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
79
Incident Energy (MeV)
66-Dy-148

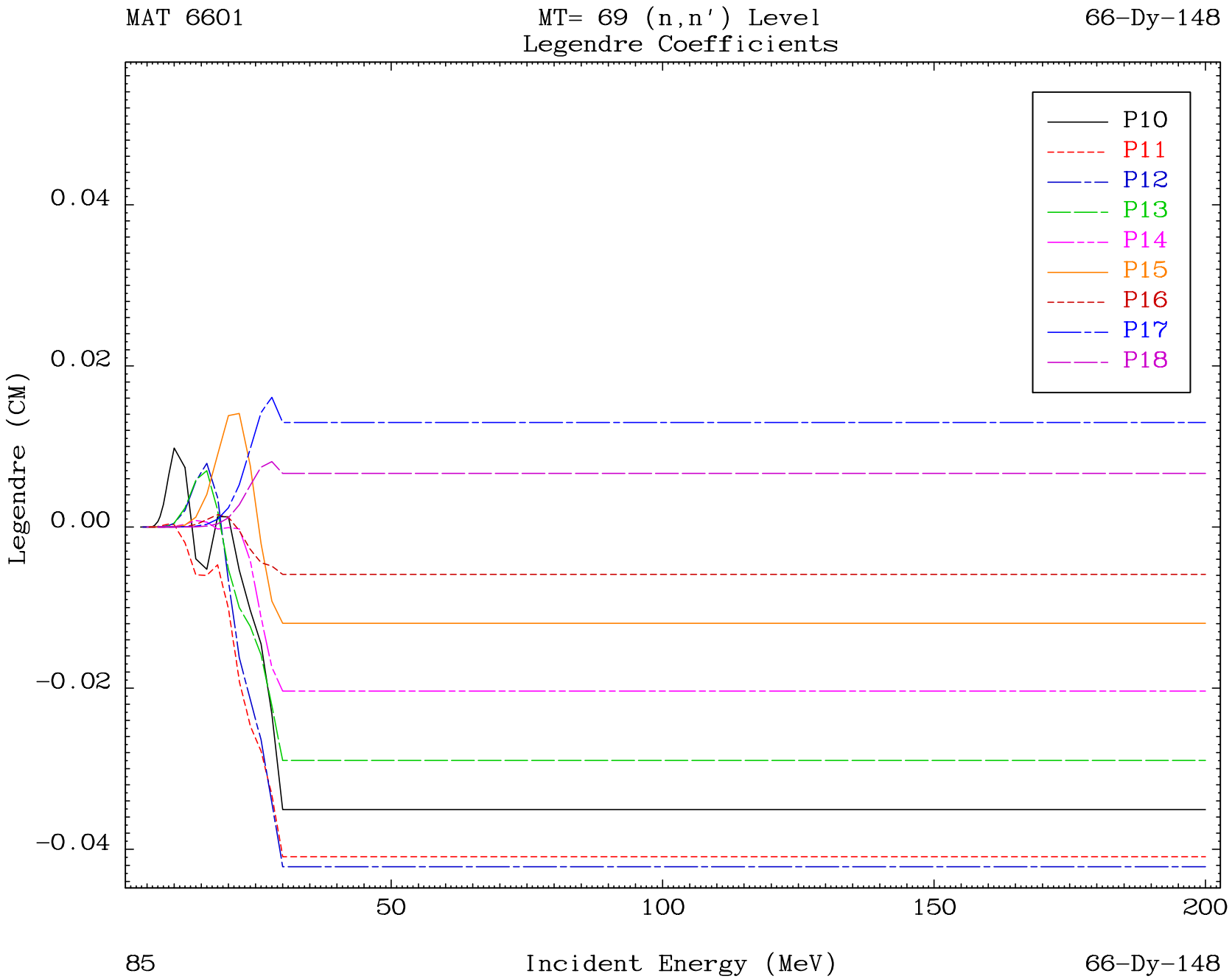

MAT 6601
MT= 67 (n,n') Level
Legendre Coefficients
66-Dy-148
0.0
X10−6
−0.4
−0.8
−1.2
Legendre (CM)
50
100
150
200
80
Incident Energy (MeV)
66-Dy-148
P28
P29
P30
P31
P32
P33
P34
P35
P36

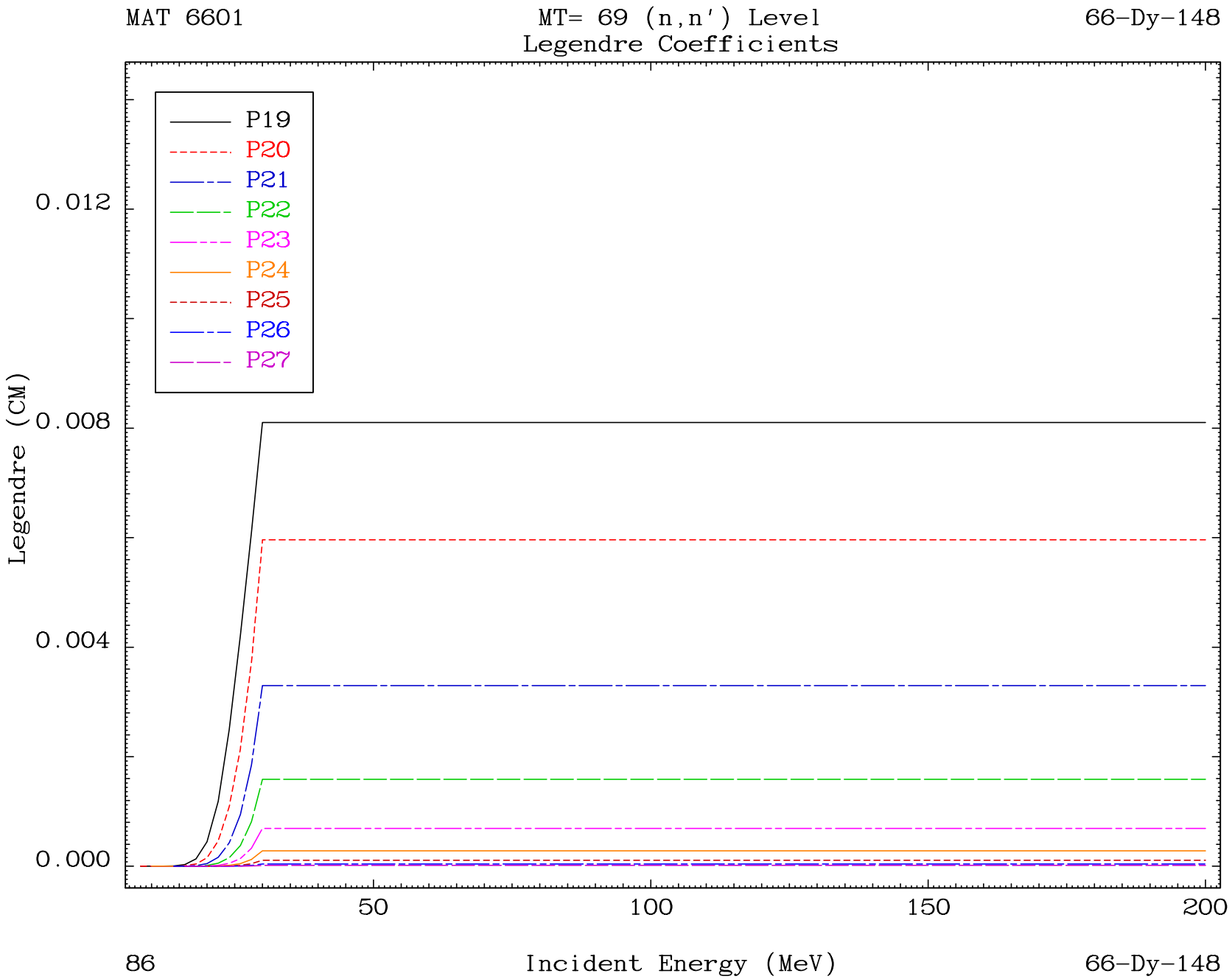

MAT 6601
MT= 68 (n,n') Level
Legendre Coefficients
66-Dy-148
P1
P2
P3
P4
P5
P6
P7
P8
P9
0.08
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
81
Incident Energy (MeV)
66-Dy-148

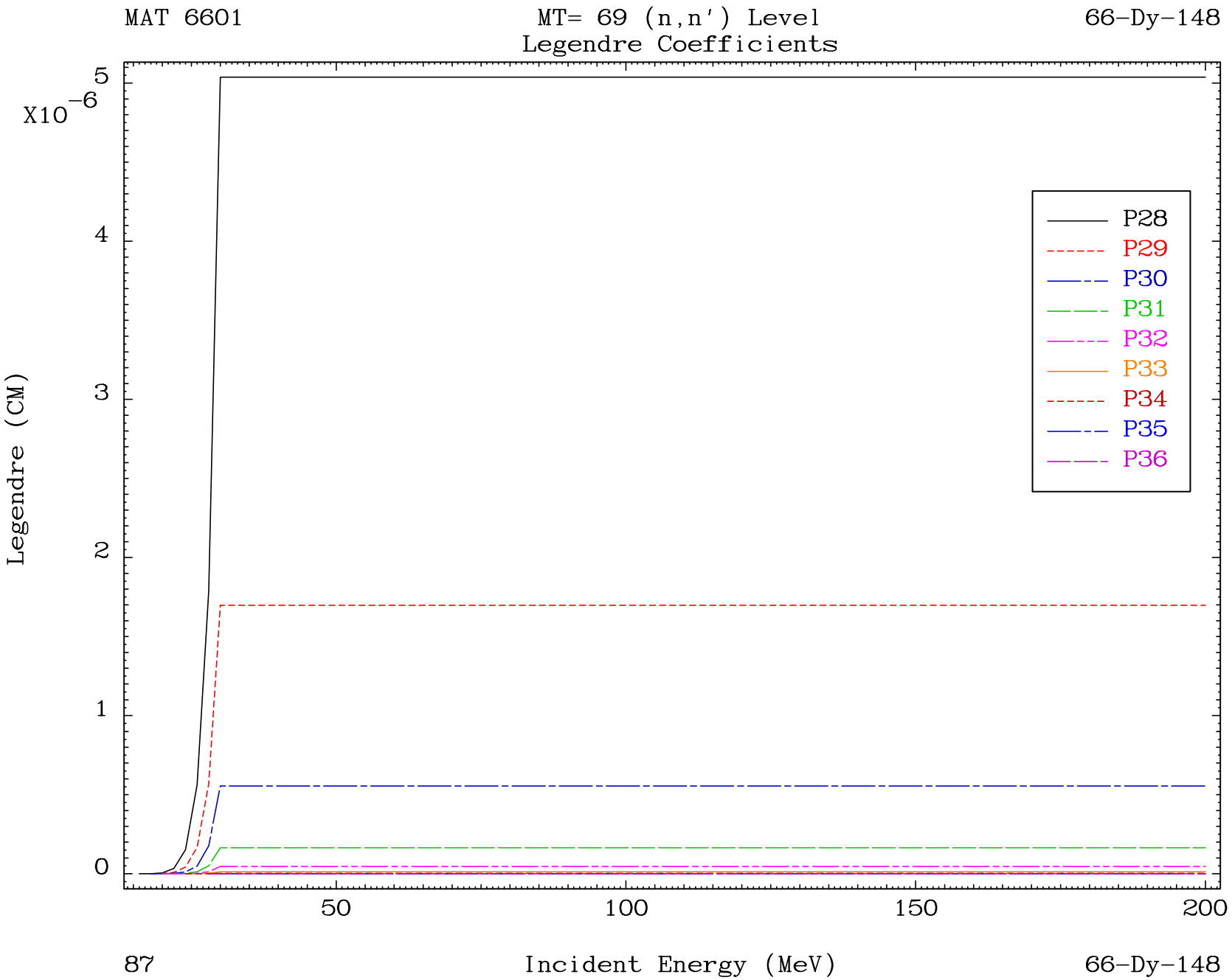

MAT 6601
MT= 68 (n,n') Level
Legendre Coefficients
66-Dy-148
X10 −4
4
2
0
−2
−4
−6
−8
Legendre (CM)
50
100
150
200
82
Incident Energy (MeV)
66-Dy-148
P10
P11
P12
P13
P14
P15
P16
P17
P18

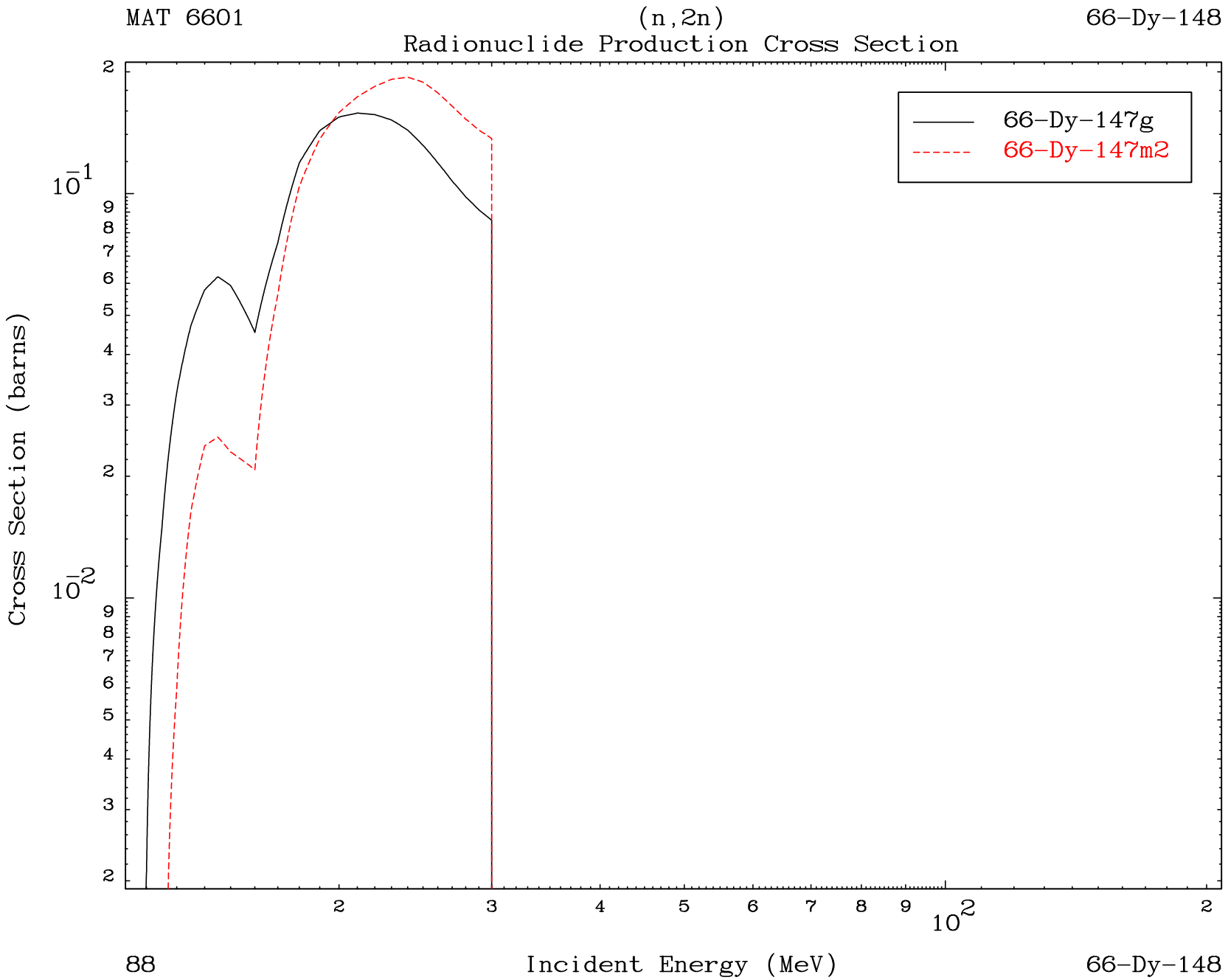

MAT 6601
MT= 68 (n,n') Level
Legendre Coefficients
66-Dy-148
X10 -6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
P19
P20
P21
P22
P23
P24
P25
P26
83
Incident Energy (MeV)
66-Dy-148

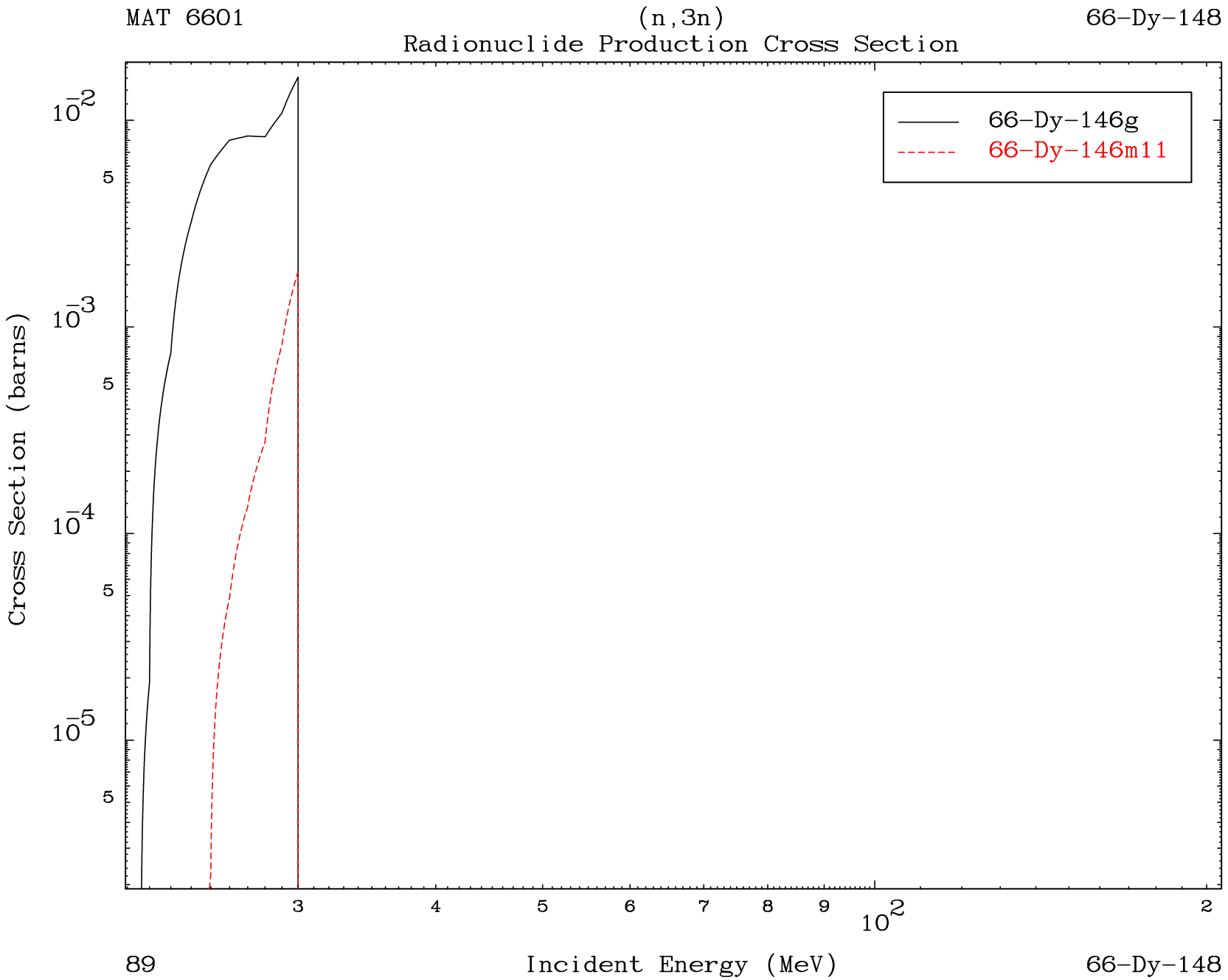

MAT 6601
MT= 69 (n,n') Level
Legendre Coefficients
66-Dy-148
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
84
Incident Energy (MeV)
66-Dy-148

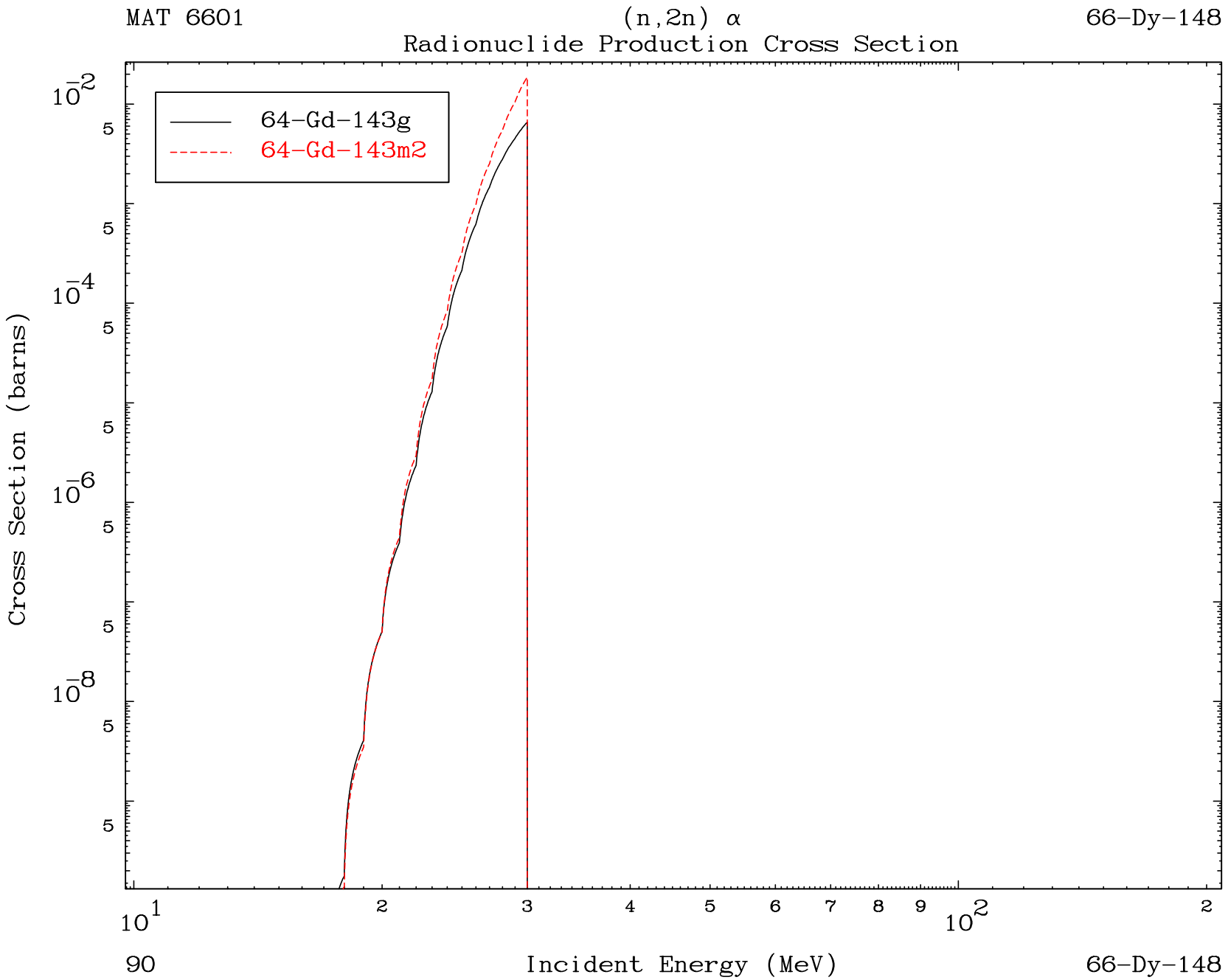

MAT 6601
MT= 69 (n,n') Level
Legendre Coefficients
66-Dy-148
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
85
Incident Energy (MeV)
66-Dy-148

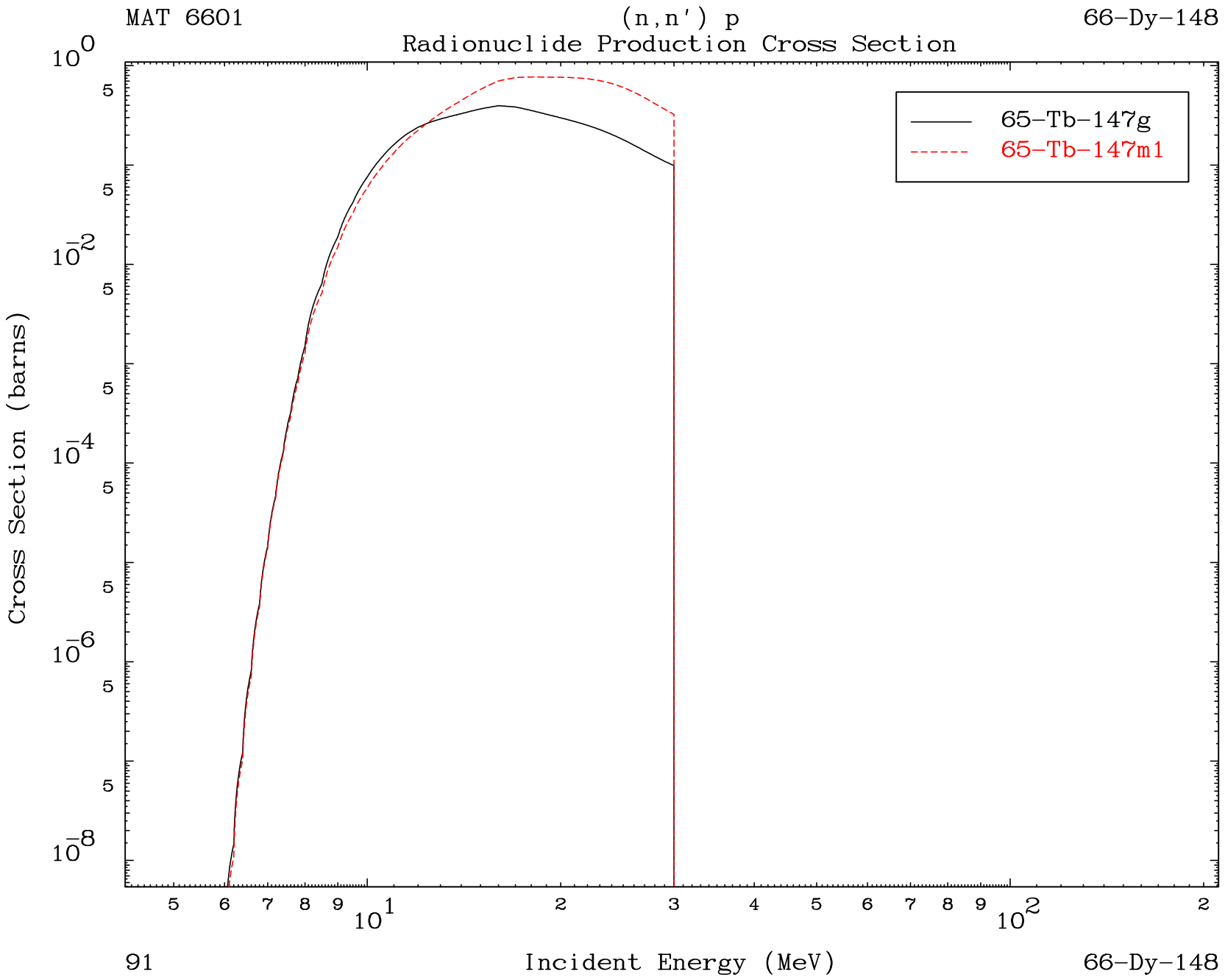

MAT 6601
MT= 69 (n,n') Level
Legendre Coefficients
66-Dy-148
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.012
0.008
0.004
0.000
Legendre (CM)
50
100
150
200
86
Incident Energy (MeV)
66-Dy-148

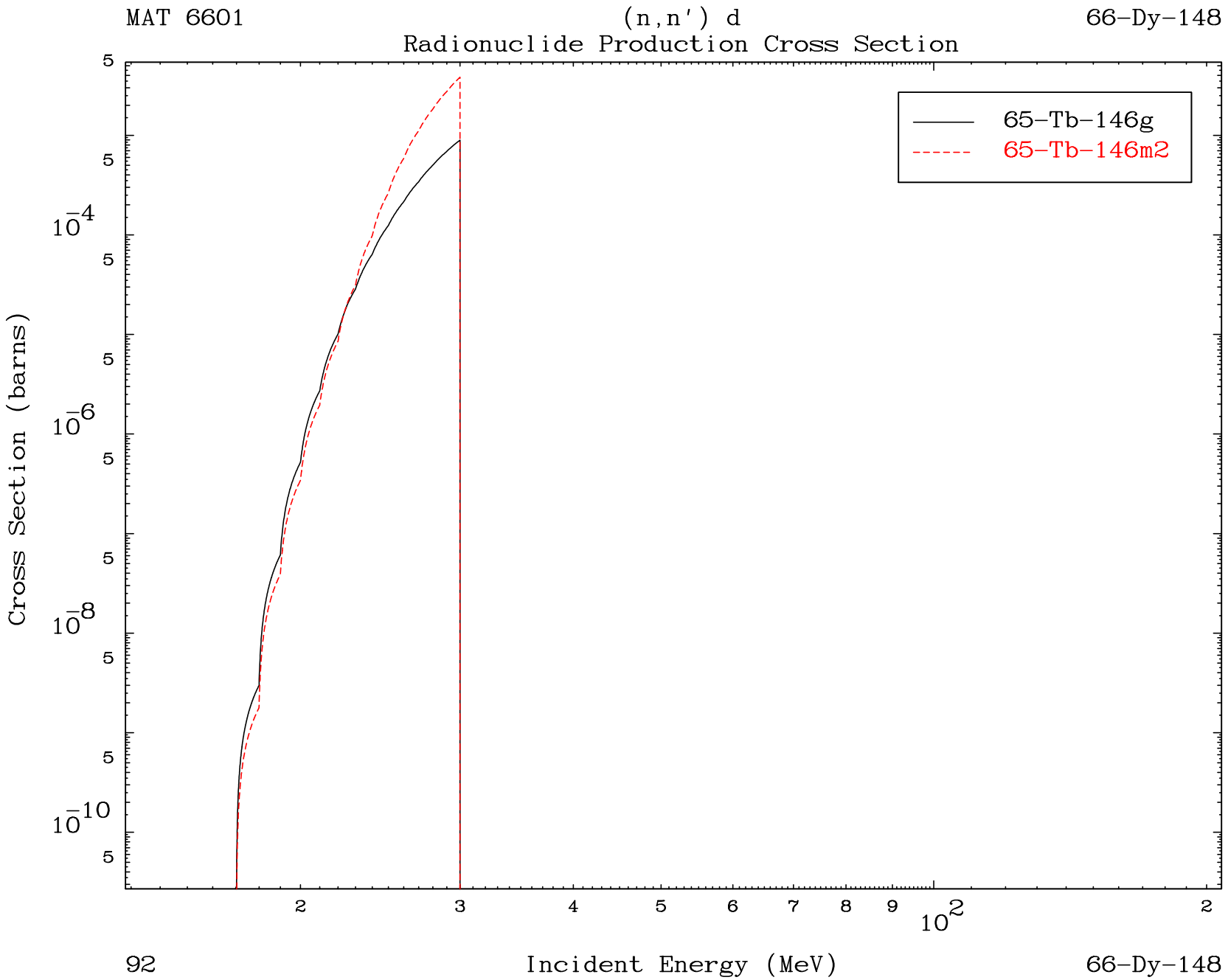

MAT 6601
MT= 69 (n,n') Level
Legendre Coefficients
66-Dy-148
X10 -6
5
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
87
Incident Energy (MeV)
66-Dy-148

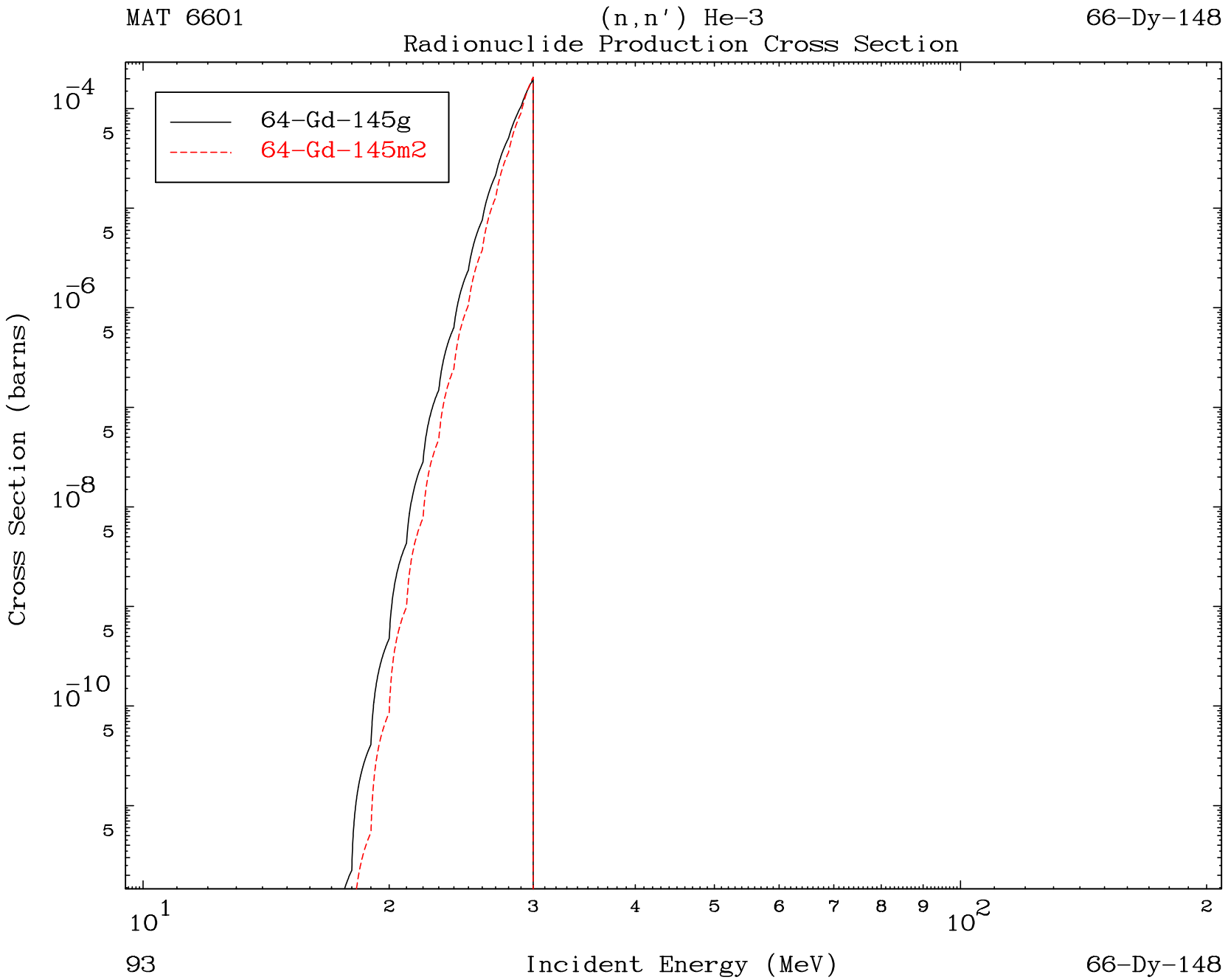

MAT 6601
(n,2n)
66-Dy-148
Radionuclide Production Cross Section
66-Dy-147g
66-Dy-147m2
Cross Section (barns)
Incident Energy (MeV)
88
66-Dy-148

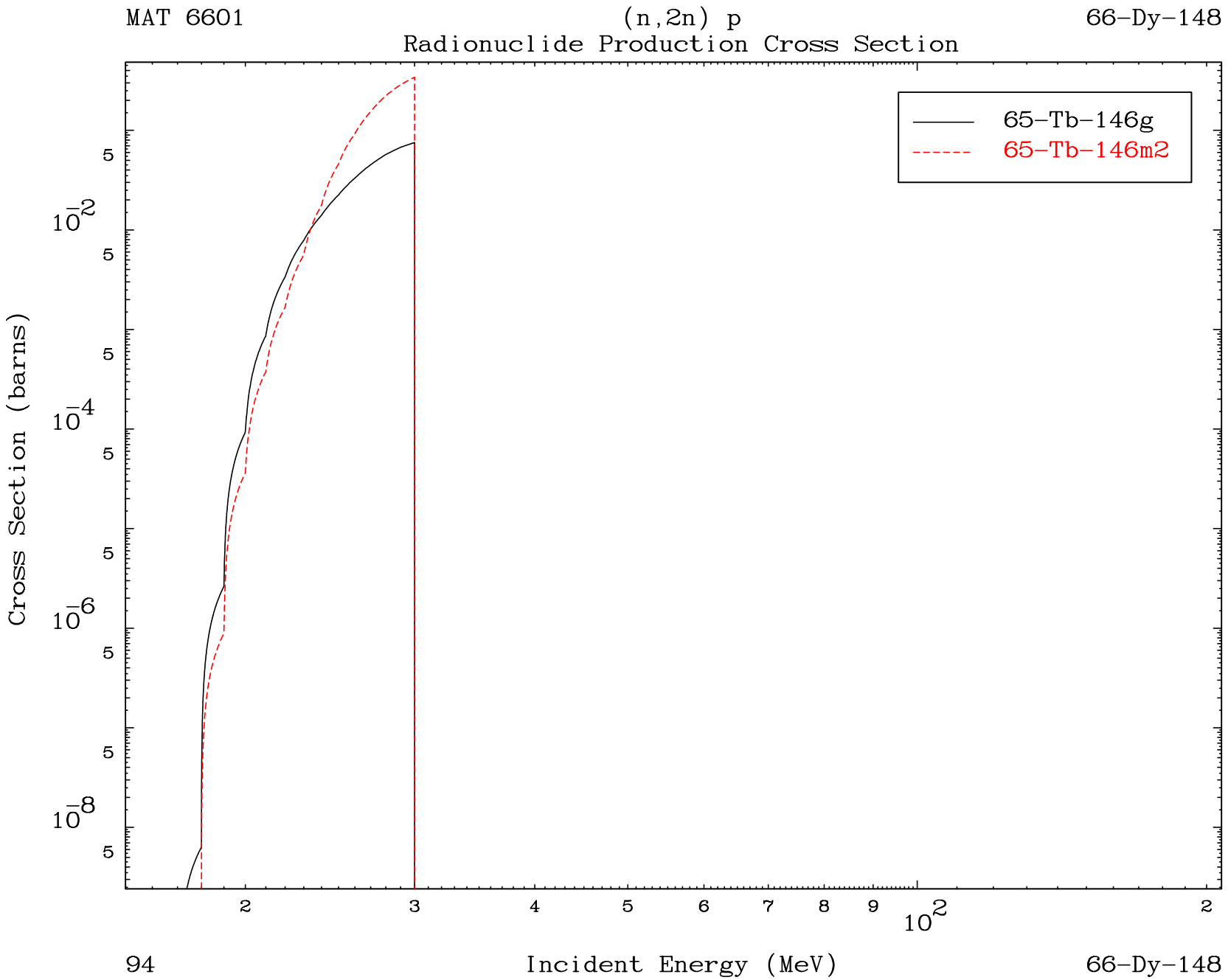

MAT 6601
(n,3n)
66-Dy-148
Radionuclide Production Cross Section
66-Dy-146g
66-Dy-146m11
Cross Section (barns)
10-2
5
10-3
5
10-4
5
10-5
5
3
4
5
6
7
8
9
10 2
2
89
Incident Energy (MeV)
66-Dy-148

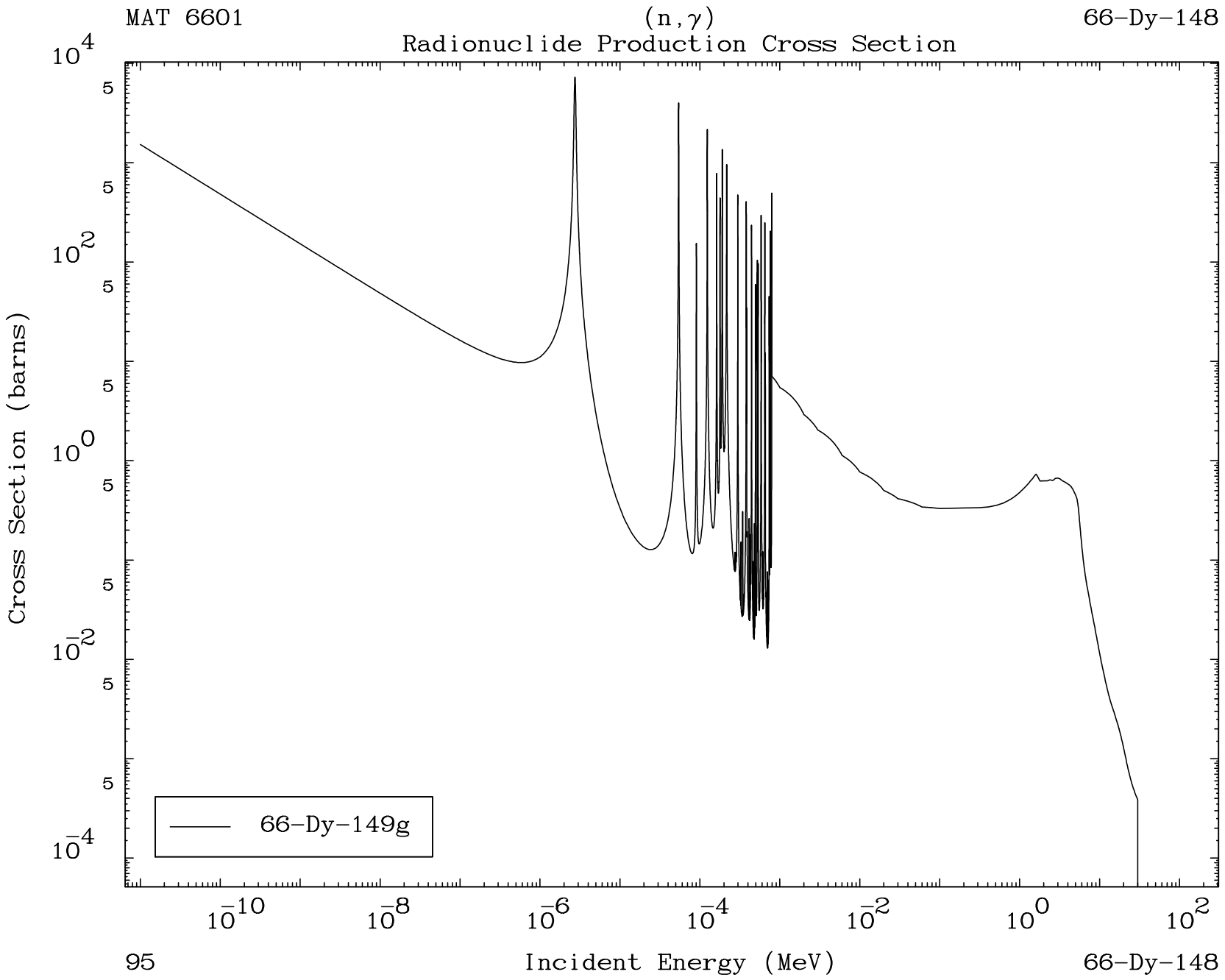

MAT 6601
(n,2n) α
66-Dy-148
Radionuclide Production Cross Section
64-Gd-143g
64-Gd-143m2
Cross Section (barns)
Incident Energy (MeV)
90
66-Dy-148

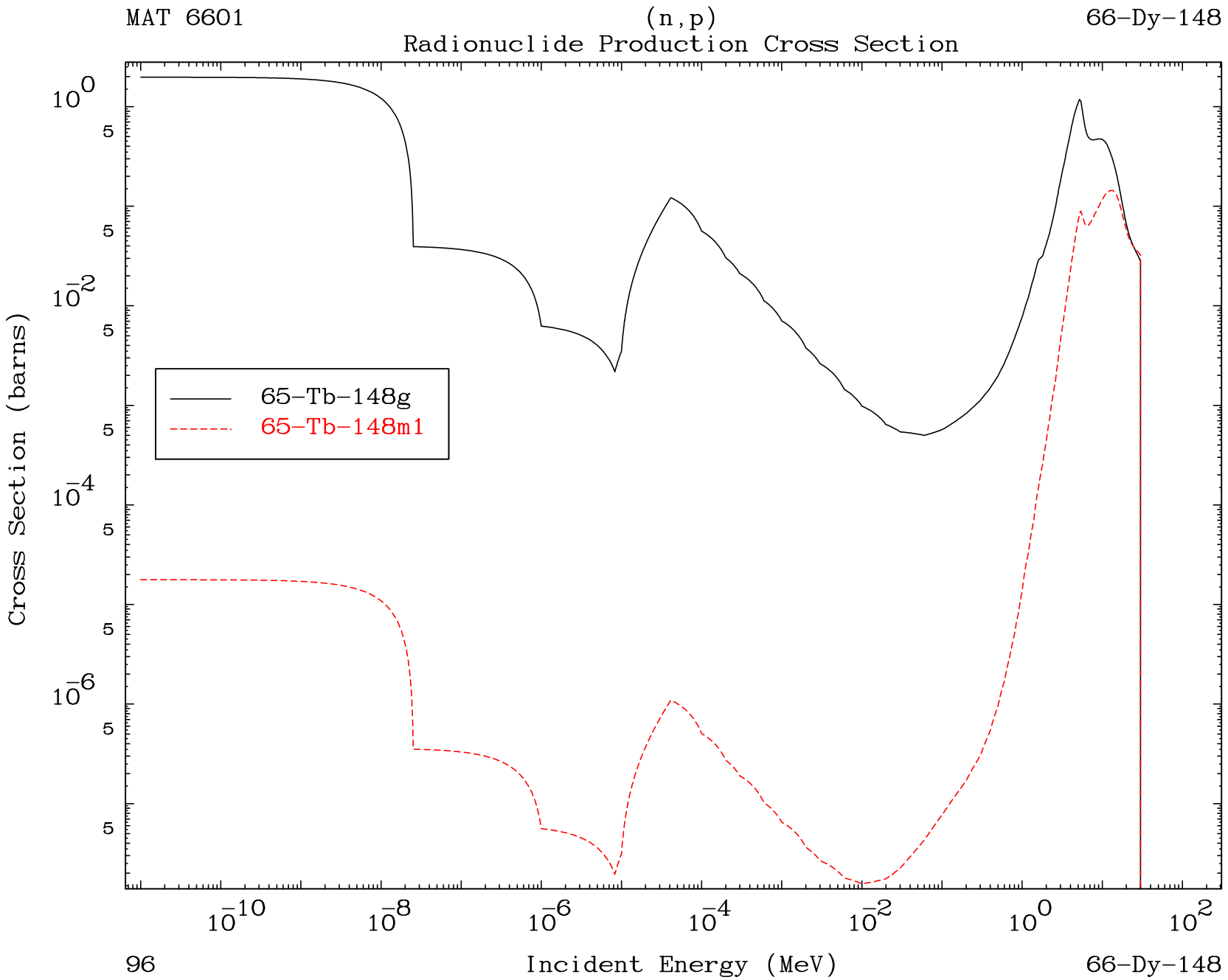

MAT 6601
(n,n') p
66-Dy-148
Radionuclide Production Cross Section
65-Tb-147g
65-Tb-147m1
Cross Section (barns)
Incident Energy (MeV)
91
66-Dy-148

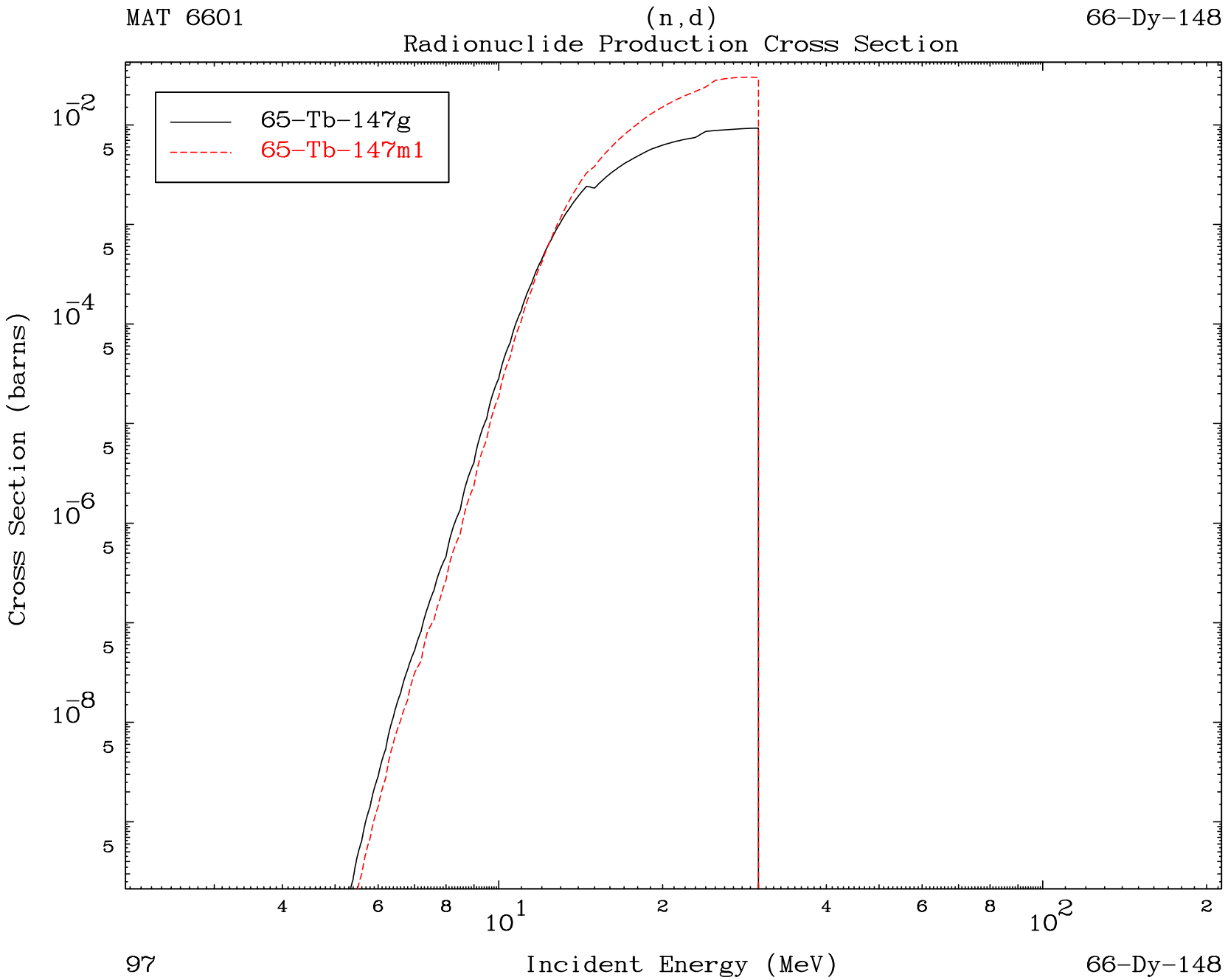

MAT 6601
(n,n') d
66-Dy-148
Radionuclide Production Cross Section
65-Tb-146g
65-Tb-146m2
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
92
Incident Energy (MeV)
66-Dy-148

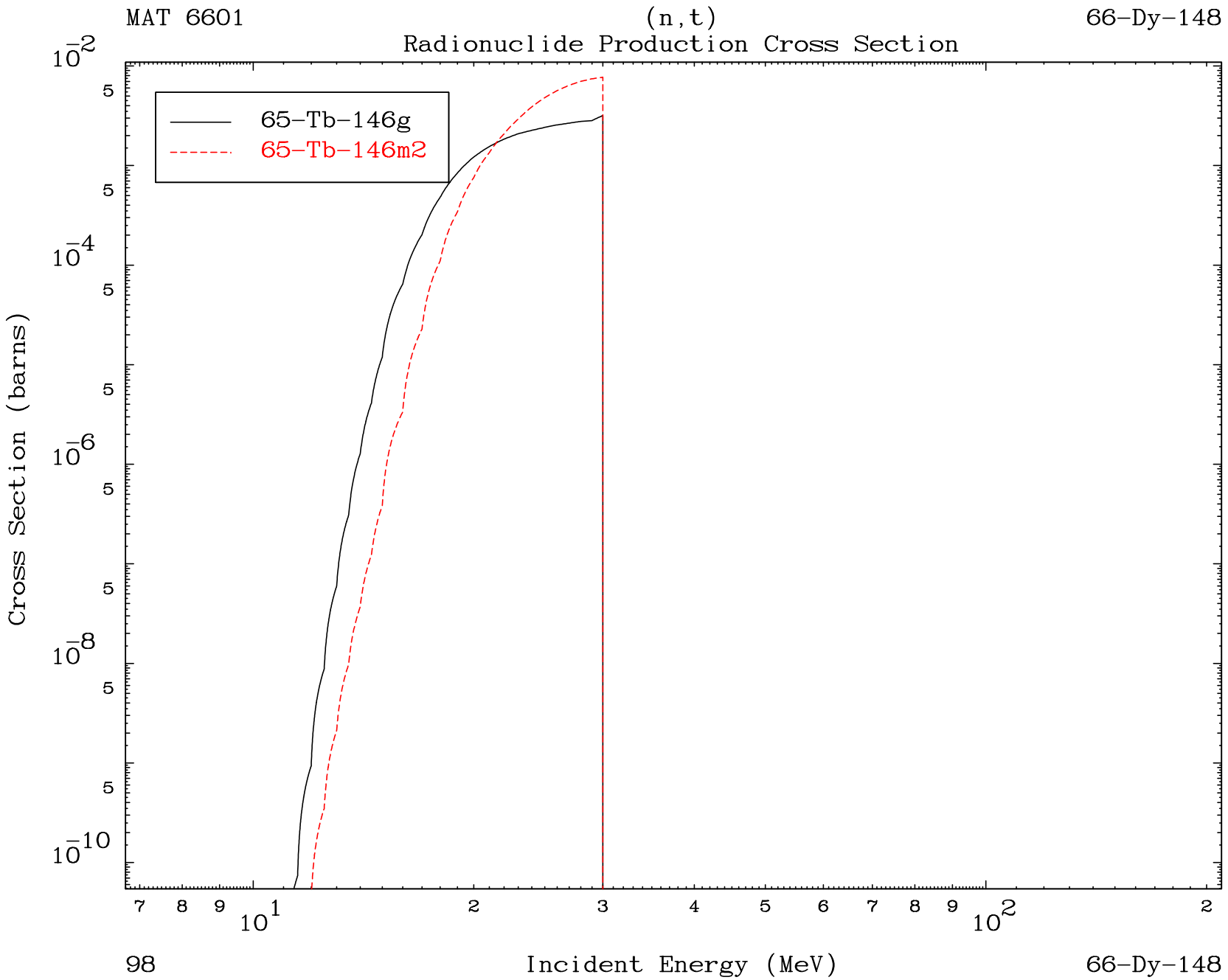

MAT 6601
(n,n') He-3
66-Dy-148
Radionuclide Production Cross Section
64-Gd-145g
64-Gd-145m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
93
Incident Energy (MeV)
66-Dy-148

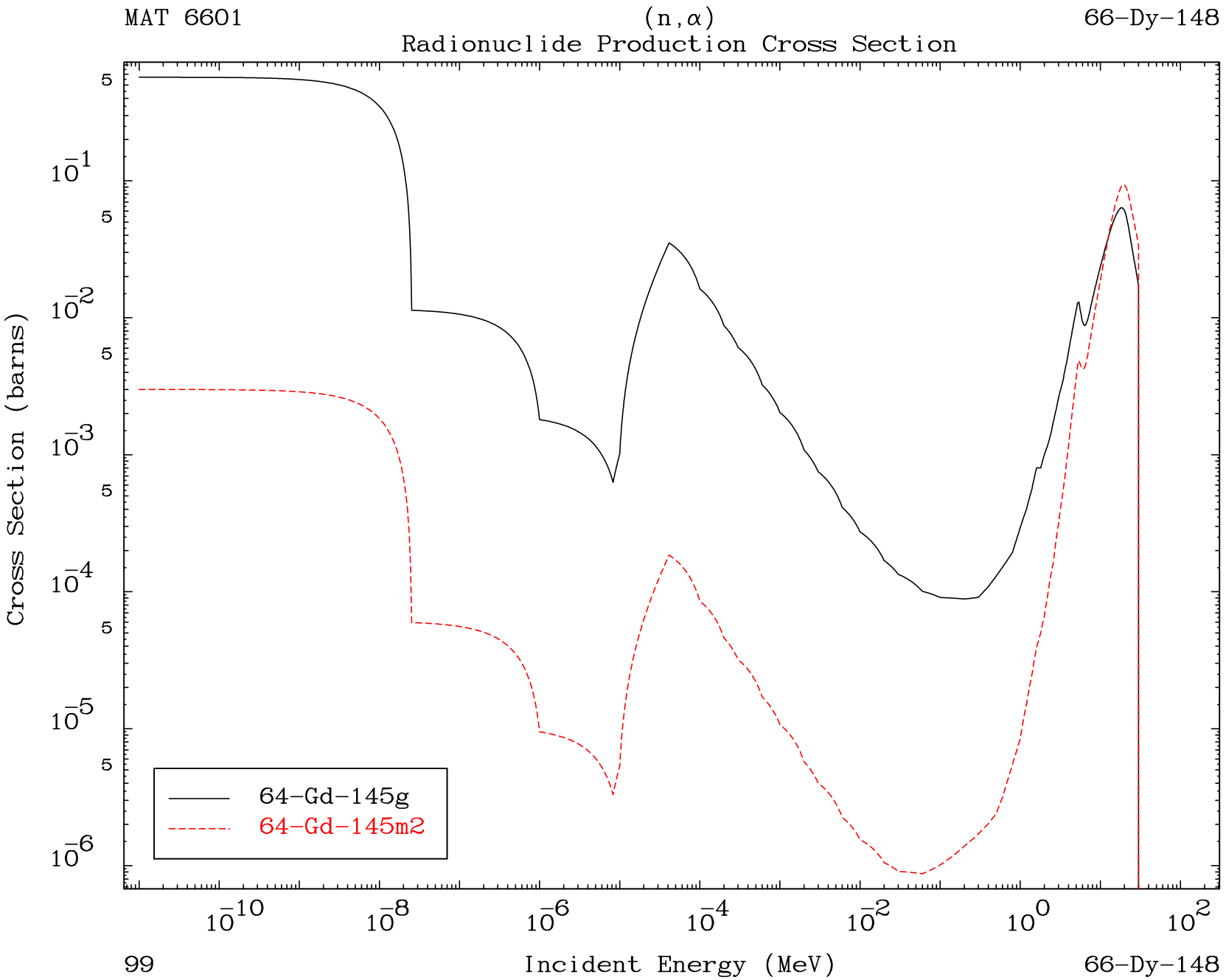

MAT 6601
(n,2n) p
66-Dy-148
Radionuclide Production Cross Section
65-Tb-146g
65-Tb-146m2
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
94
Incident Energy (MeV)
66-Dy-148

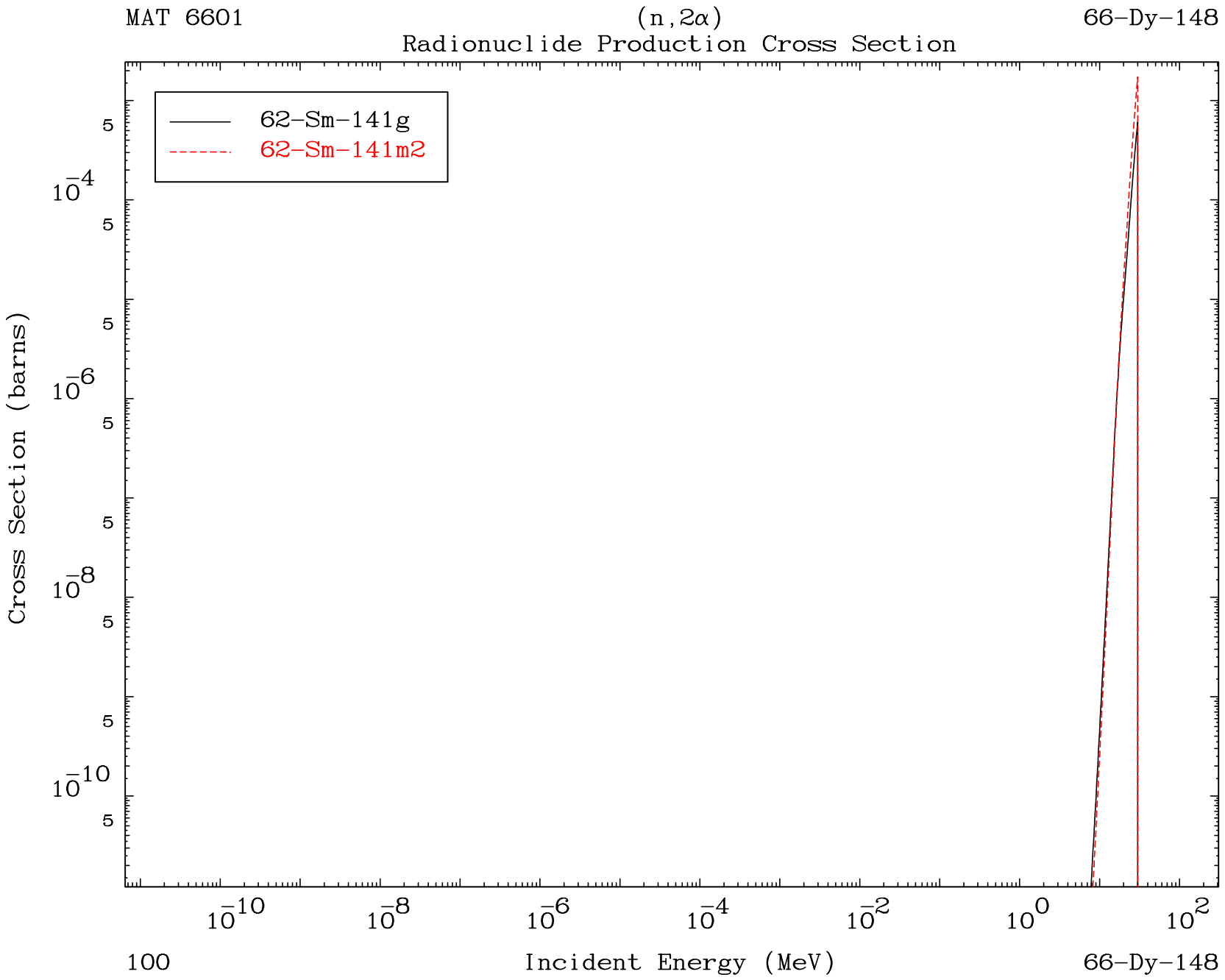

MAT 6601
(n,γ)
66-Dy-148
Radionuclide Production Cross Section
Cross Section (barns)
10^4
10^2
10^0
10^-2
10^-4
66-Dy-149g
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
95
Incident Energy (MeV)
66-Dy-148

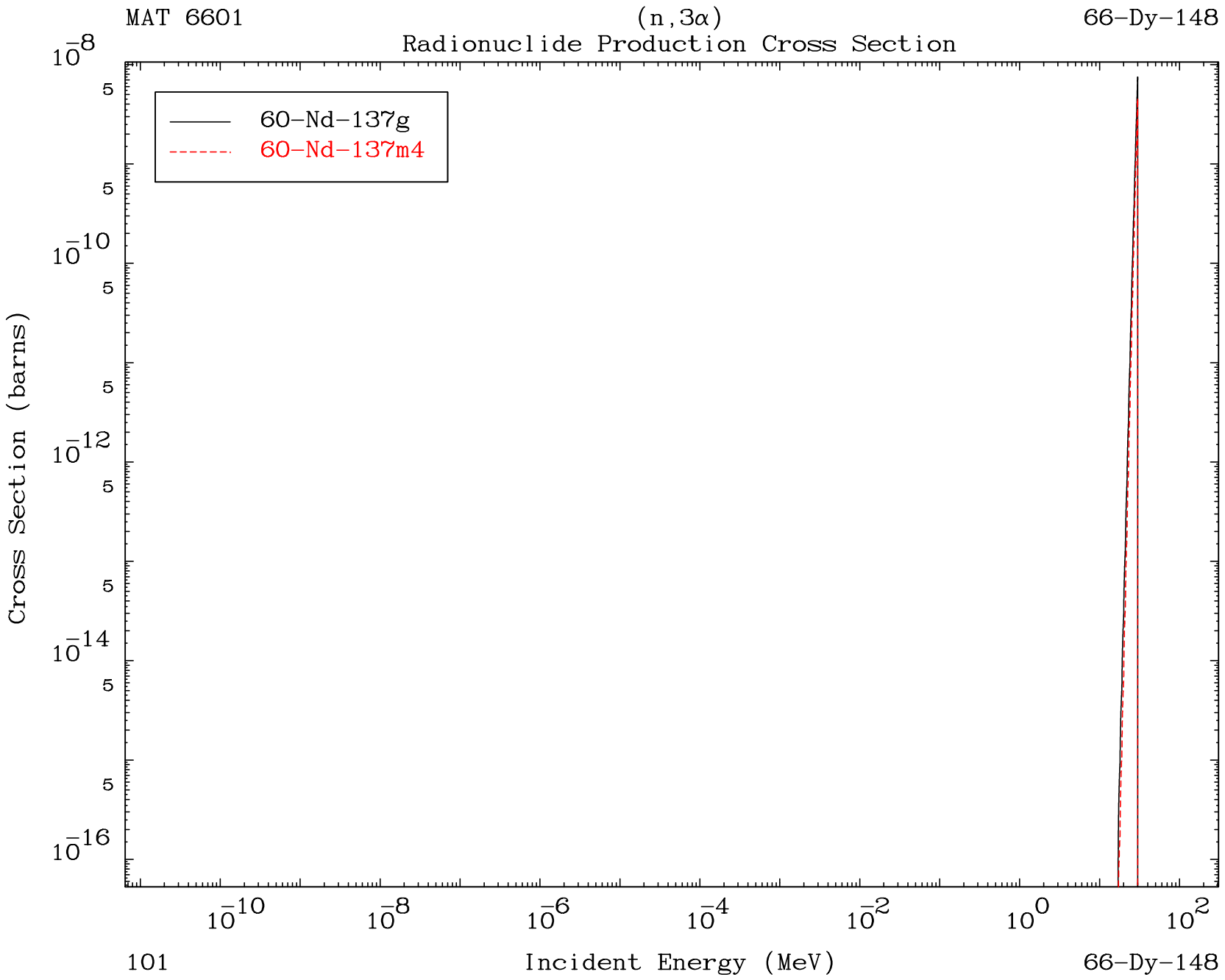

MAT 6601
(n,p)
66-Dy-148
Radionuclide Production Cross Section
Cross Section (barns)
65-Tb-148g
65-Tb-148m1
Incident Energy (MeV)
96
66-Dy-148

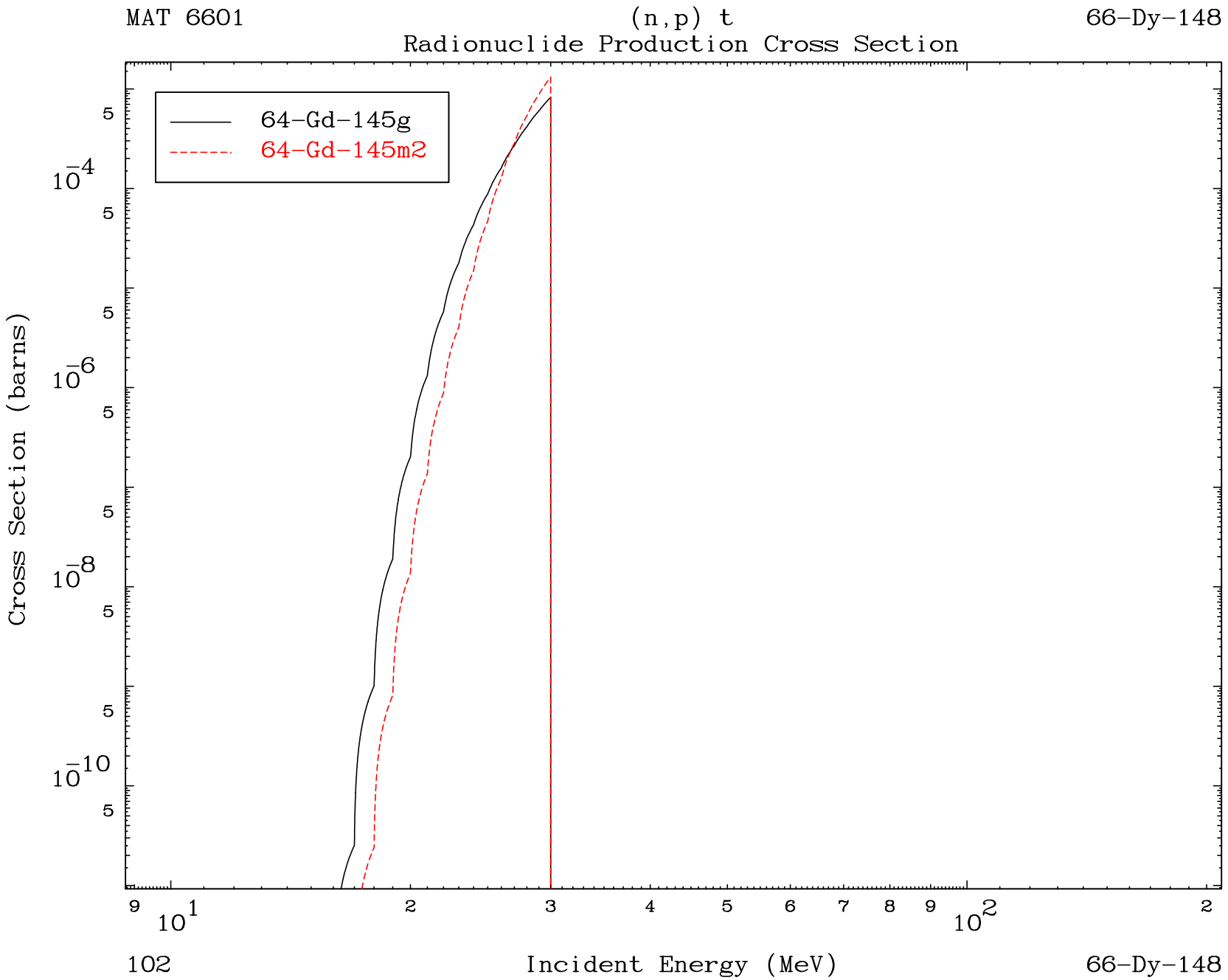

MAT 6601
(n,d)
66-Dy-148
Radionuclide Production Cross Section
65-Tb-147g
65-Tb-147m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4
6
8
101
2
4
6
8
102
2
97
Incident Energy (MeV)
66-Dy-148


MAT 6601
(n,t)
66-Dy-148
Radionuclide Production Cross Section
65-Tb-146g
65-Tb-146m2
Cross Section (barns)
Incident Energy (MeV)
98
66-Dy-148


MAT 6601
(n,α)
66-Dy-148
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
64-Gd-145g
64-Gd-145m2
99
66-Dy-148


MAT 6601
(n,2α)
66-Dy-148
Radionuclide Production Cross Section
62-Sm-141g
62-Sm-141m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
100
Incident Energy (MeV)
66-Dy-148


MAT 6601
(n,3α)
66-Dy-148
Radionuclide Production Cross Section
60-Nd-137g
60-Nd-137m4
Cross Section (barns)
Incident Energy (MeV)
101
66-Dy-148


MAT 6601
(n,p) t
66-Dy-148
Radionuclide Production Cross Section
64-Gd-145g
64-Gd-145m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
102
Incident Energy (MeV)
66-Dy-148