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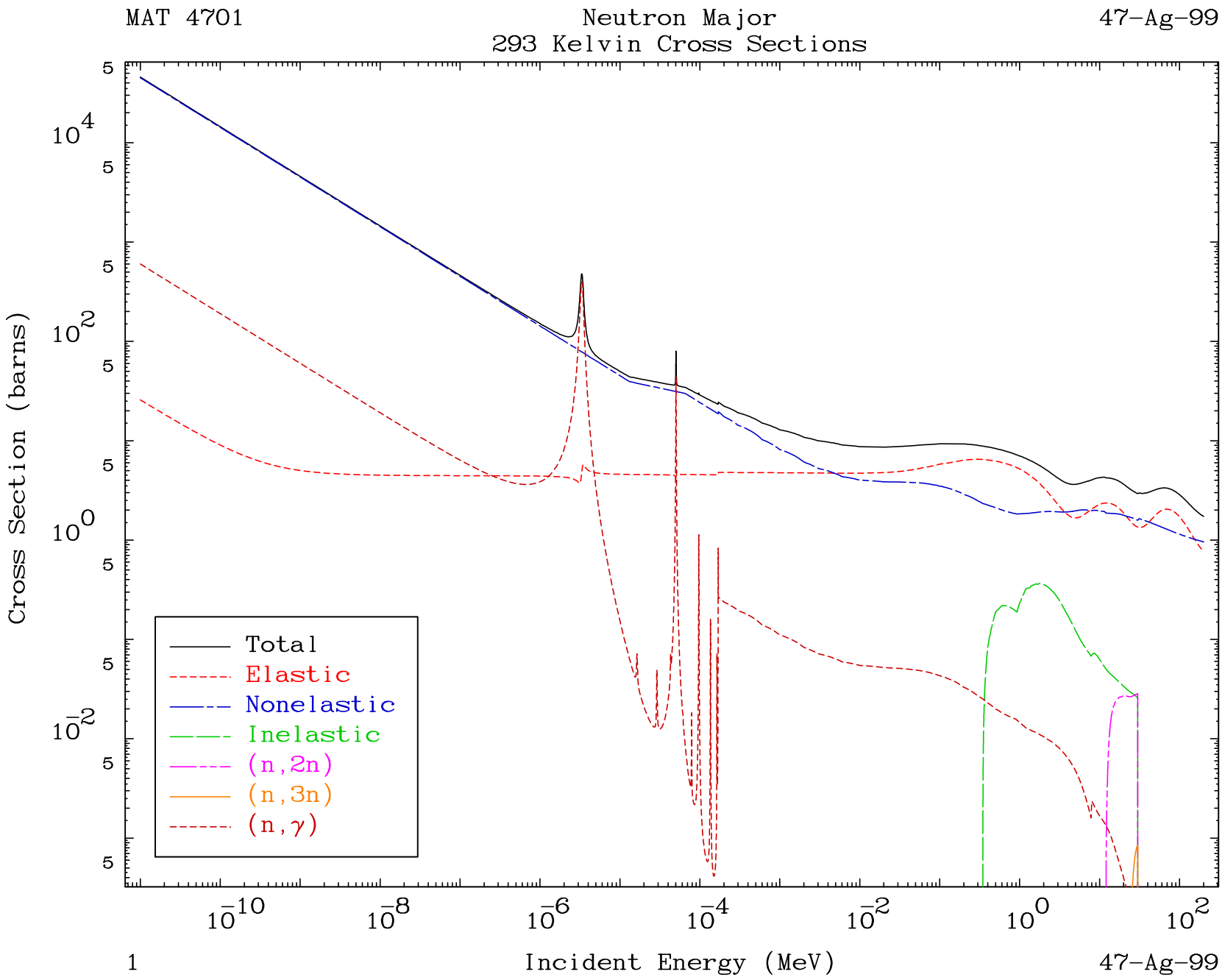
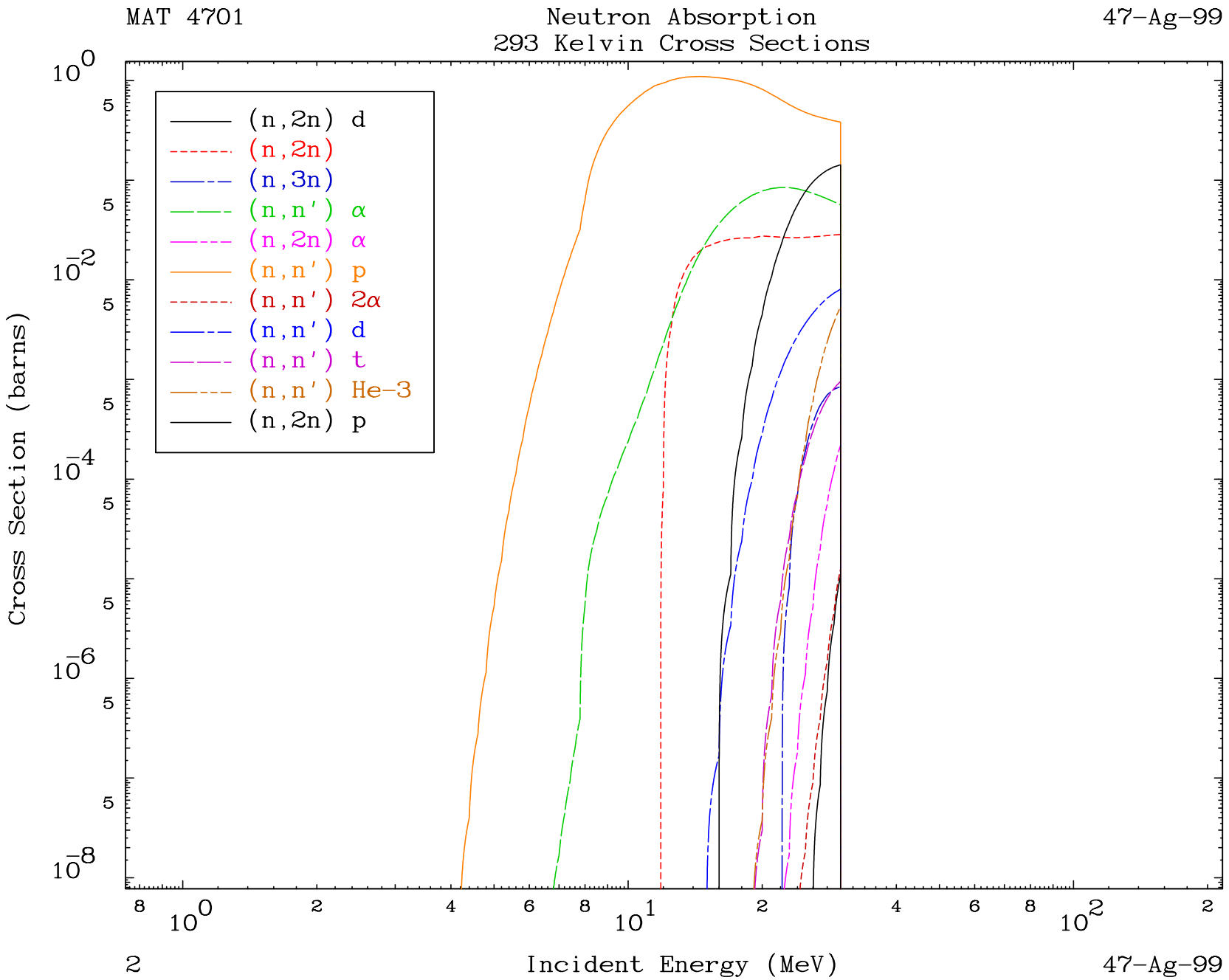
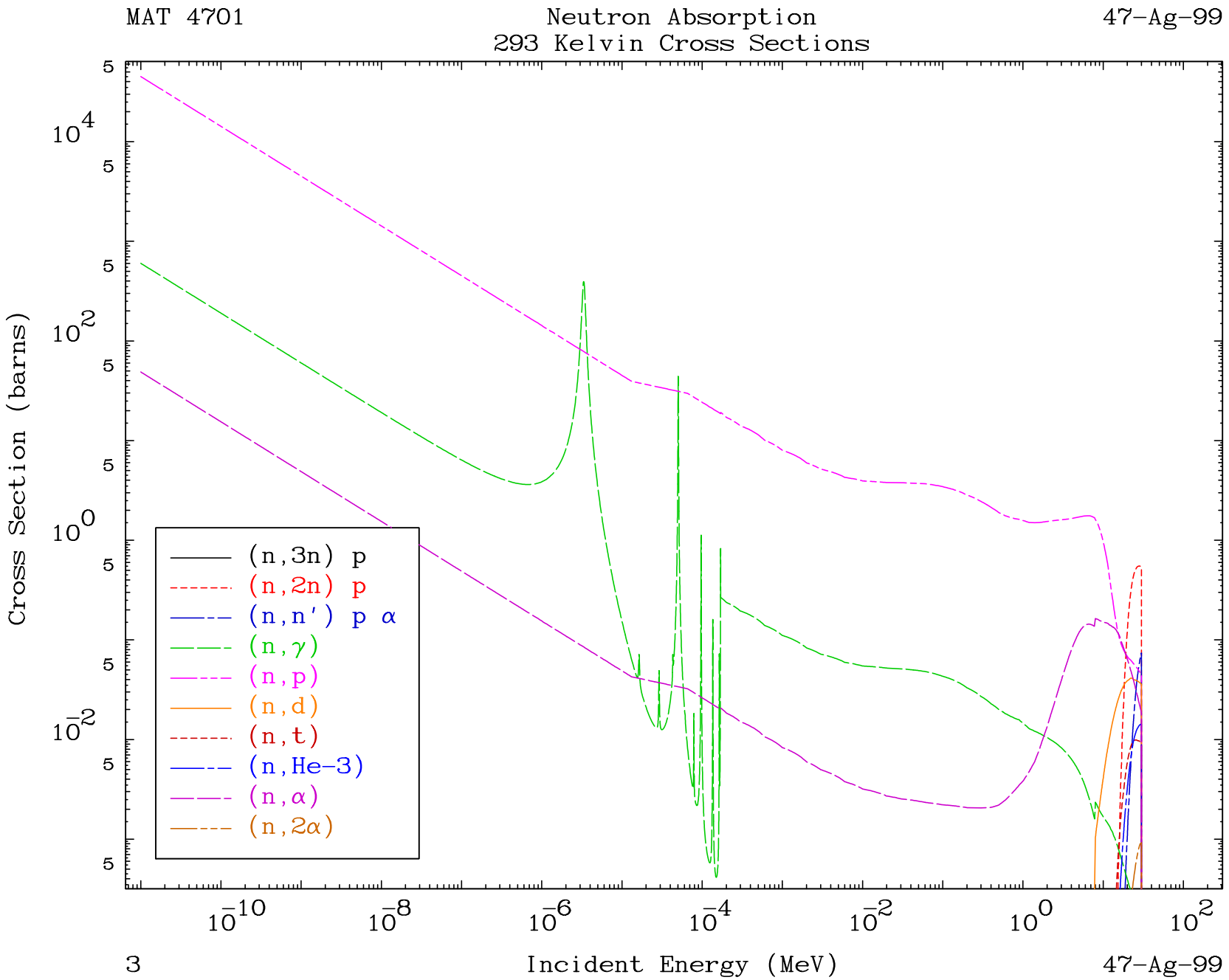
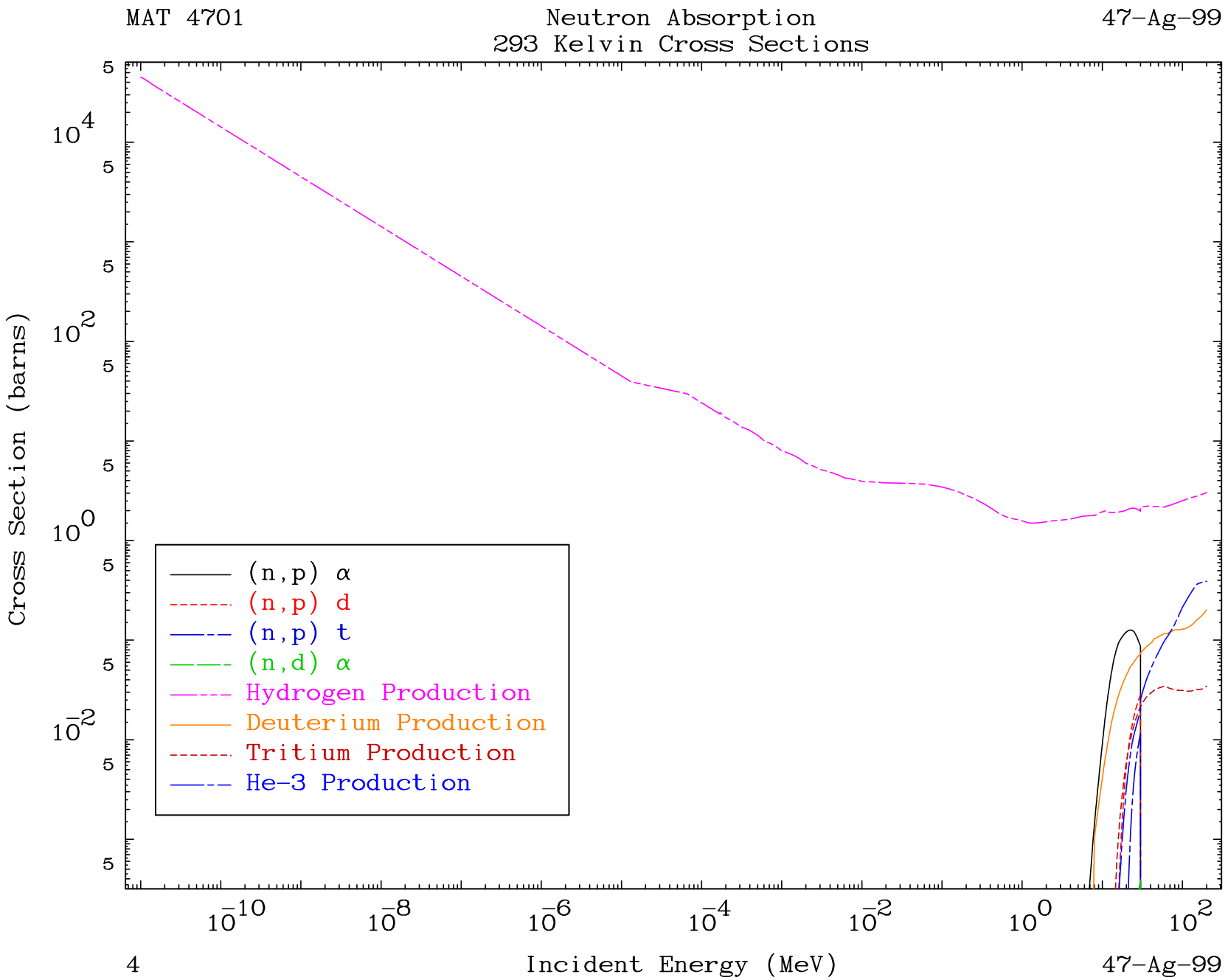
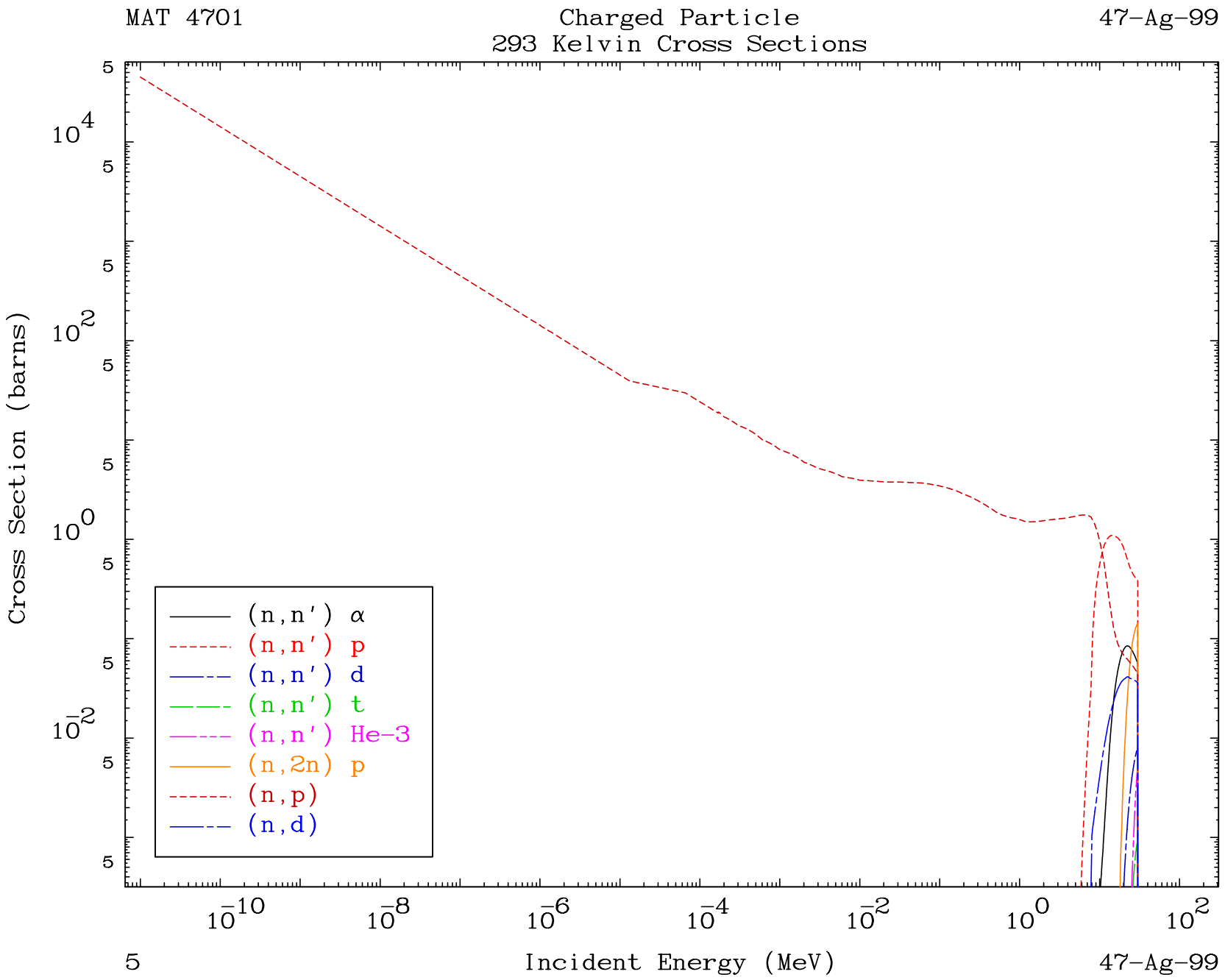
Press Mouse Button to Start

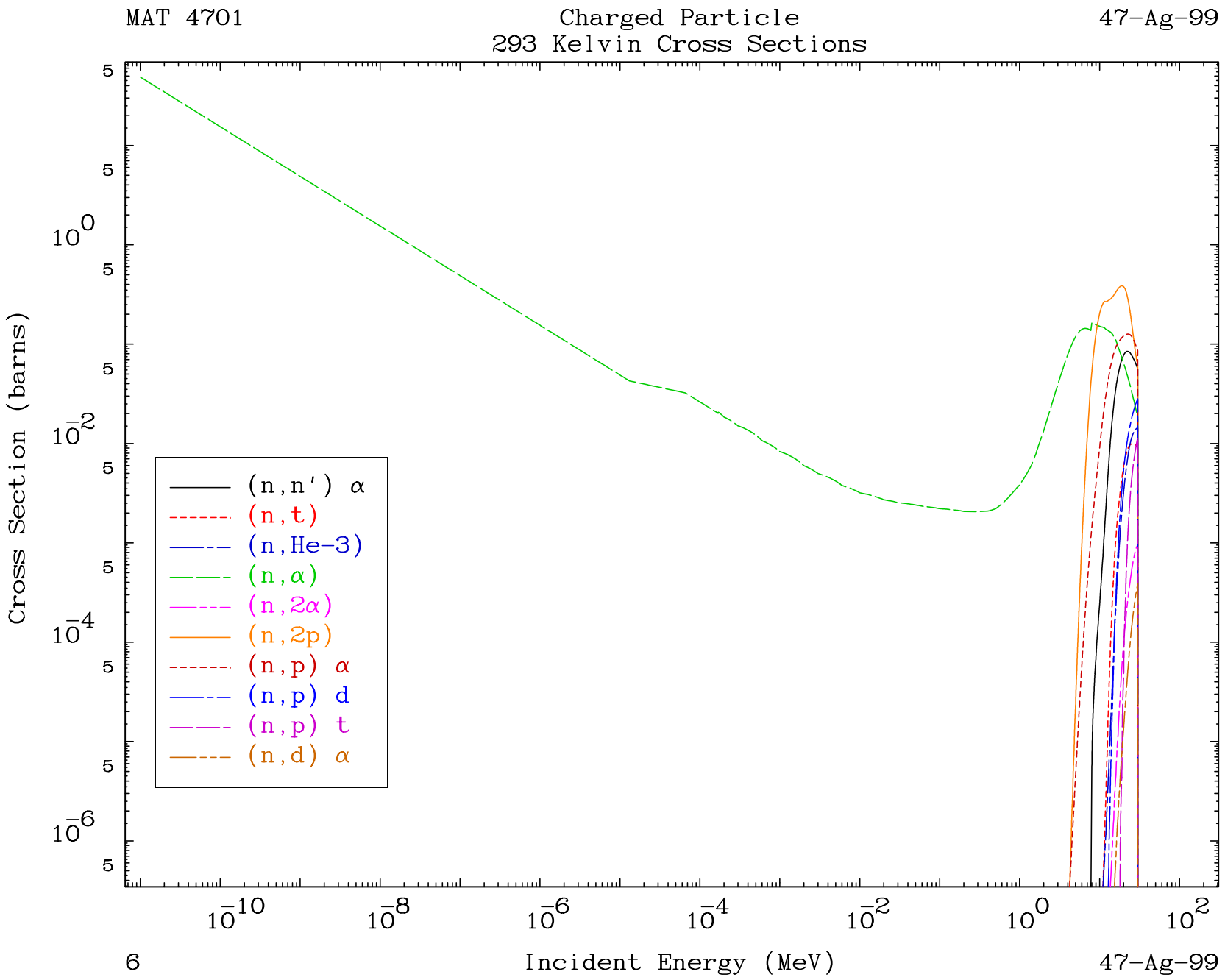

MAT 4701
Neutron Major
293 Kelvin Cross Sections
47-Ag-99
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
47-Ag-99

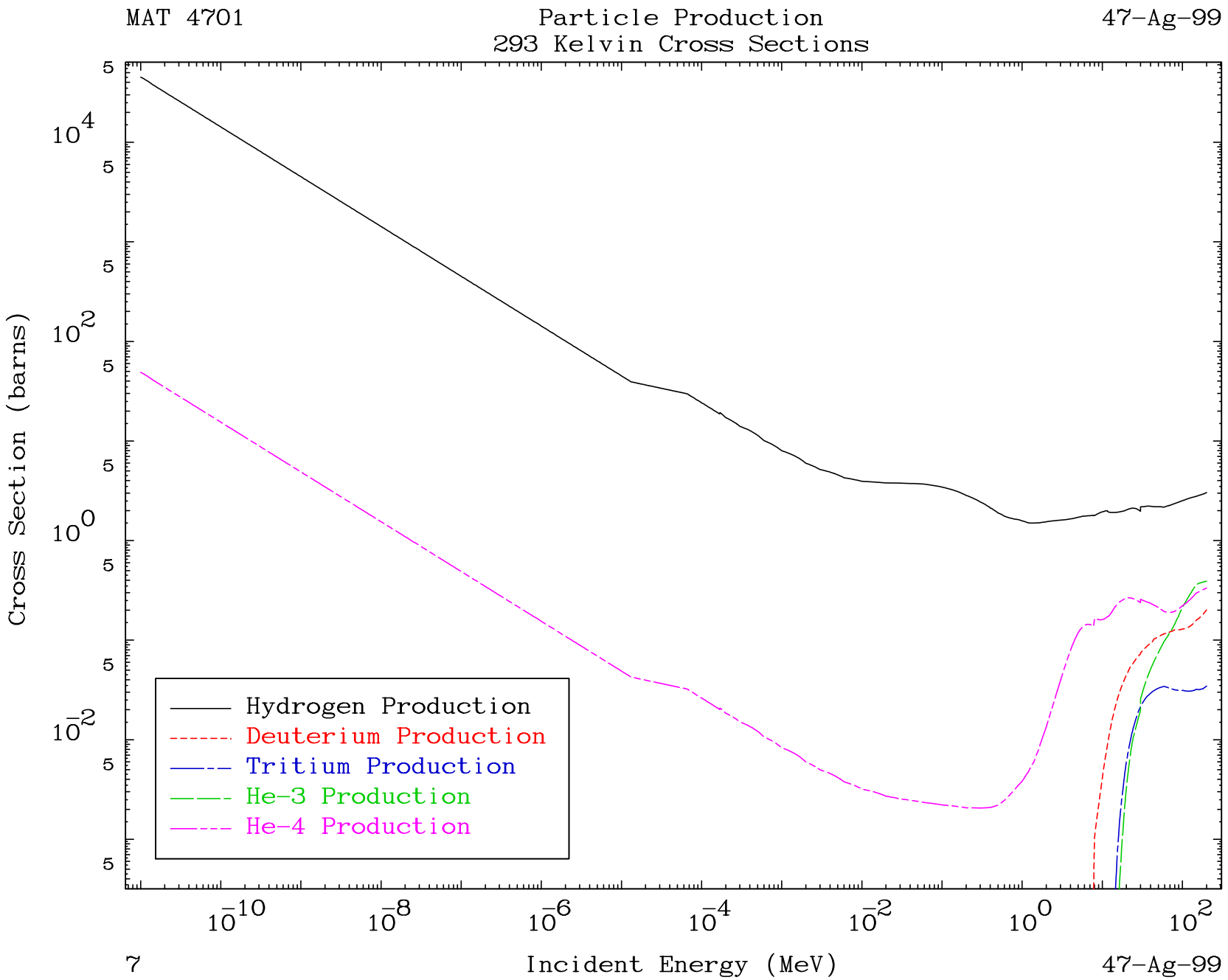

MAT 4701
Neutron Absorption
293 Kelvin Cross Sections
47-Ag-99
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
47-Ag-99

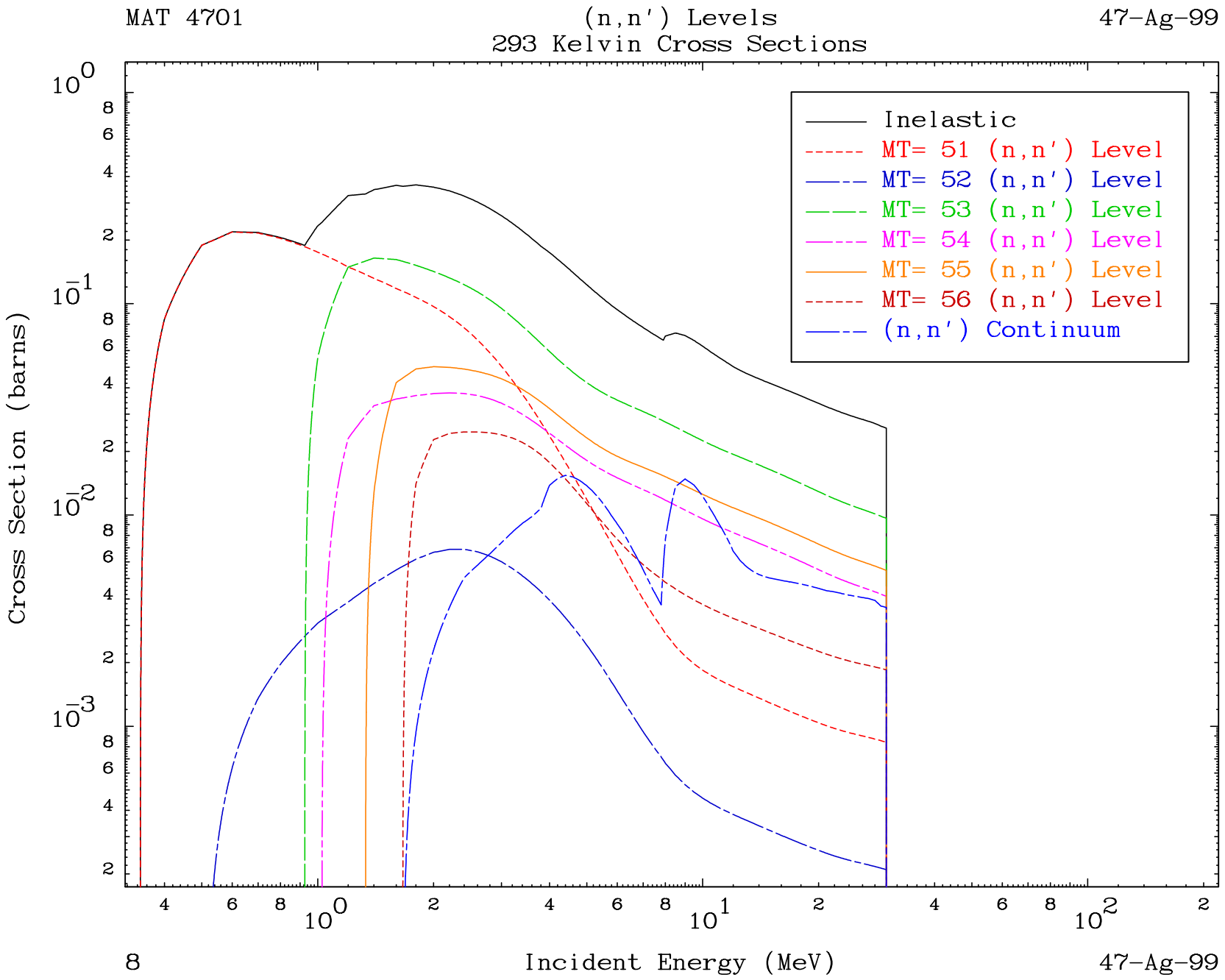

MAT 4701
Neutron Absorption
293 Kelvin Cross Sections
47-Ag-99
Cross Section (barns)
Incident Energy (MeV)
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
3
47-Ag-99

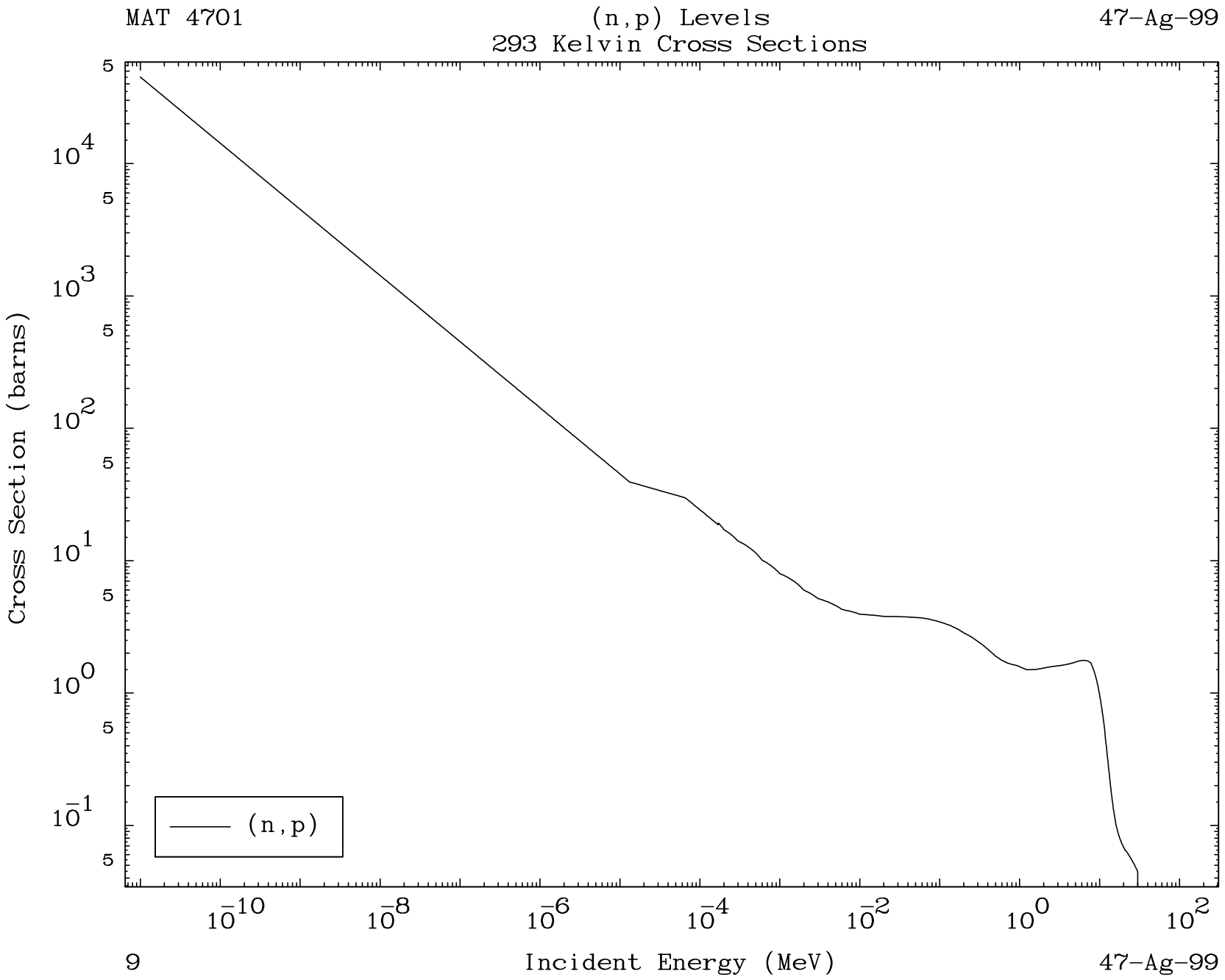

MAT 4701
Neutron Absorption
293 Kelvin Cross Sections
47-Ag-99
Cross Section (barns)
Incident Energy (MeV)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
4
47-Ag-99

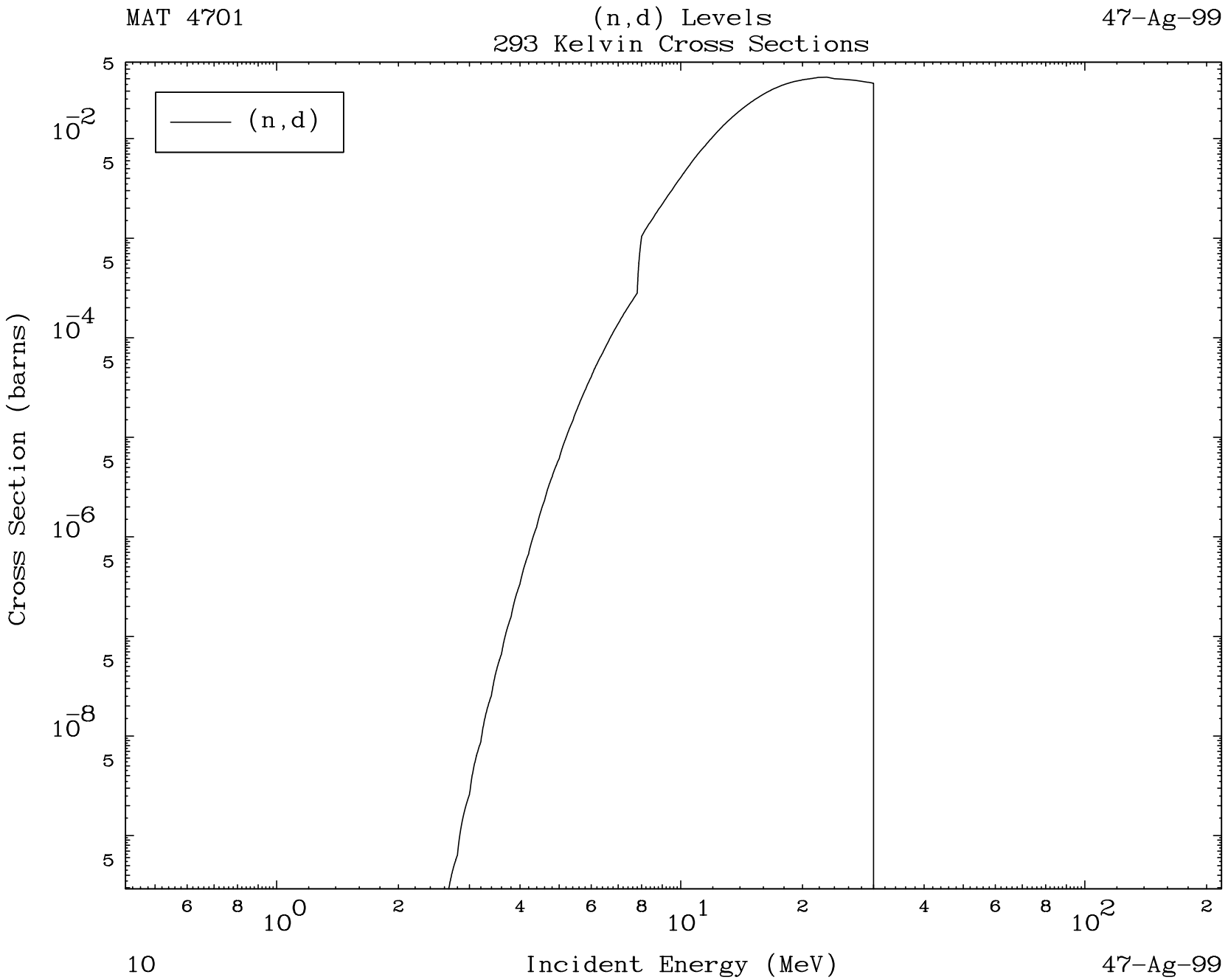

MAT 4701
Charged Particle
293 Kelvin Cross Sections
47-Ag-99
Cross Section (barns)
Incident Energy (MeV)
47-Ag-99
(n,n') α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)

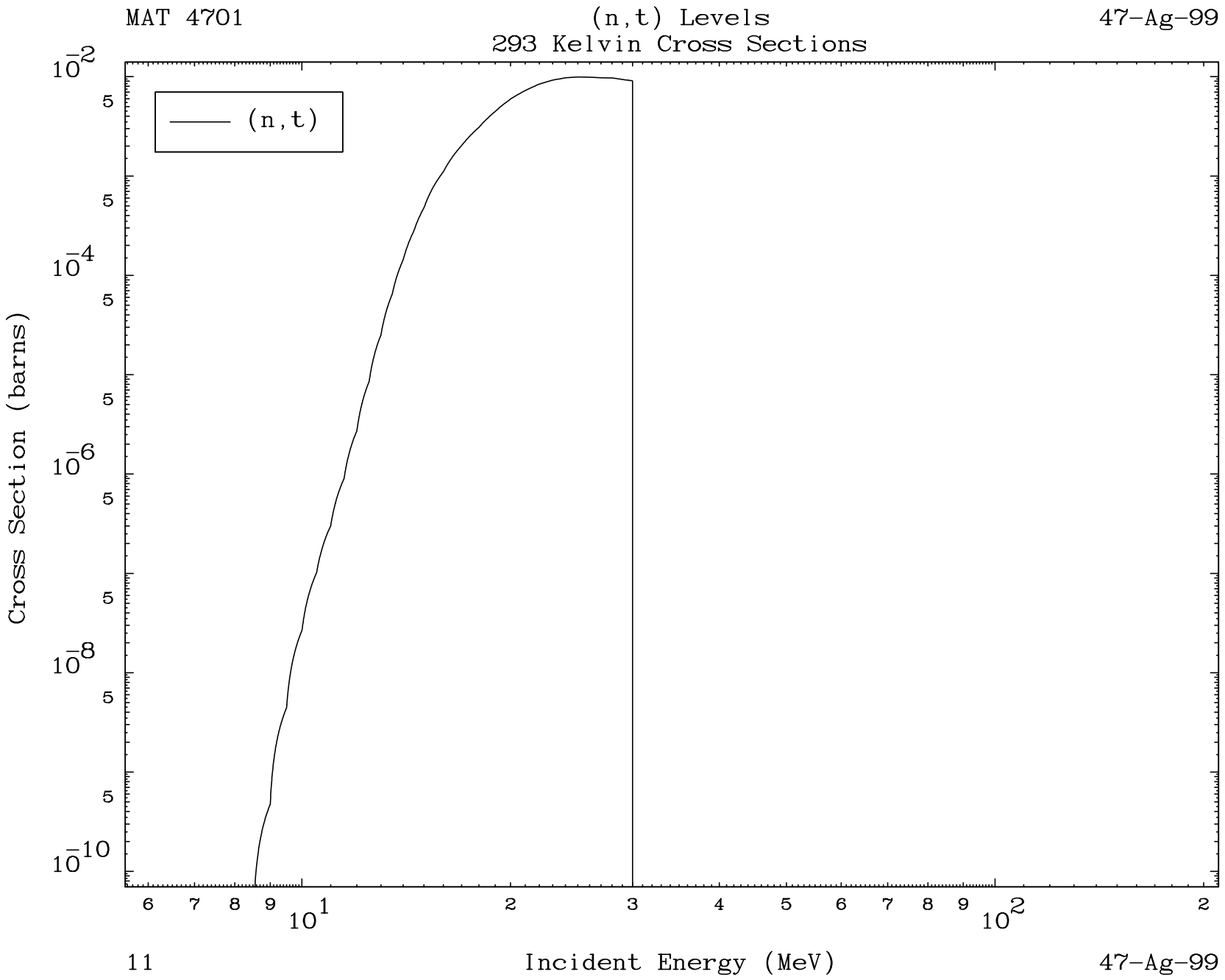

MAT 4701
Charged Particle
293 Kelvin Cross Sections
47-Ag-99
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
6
47-Ag-99

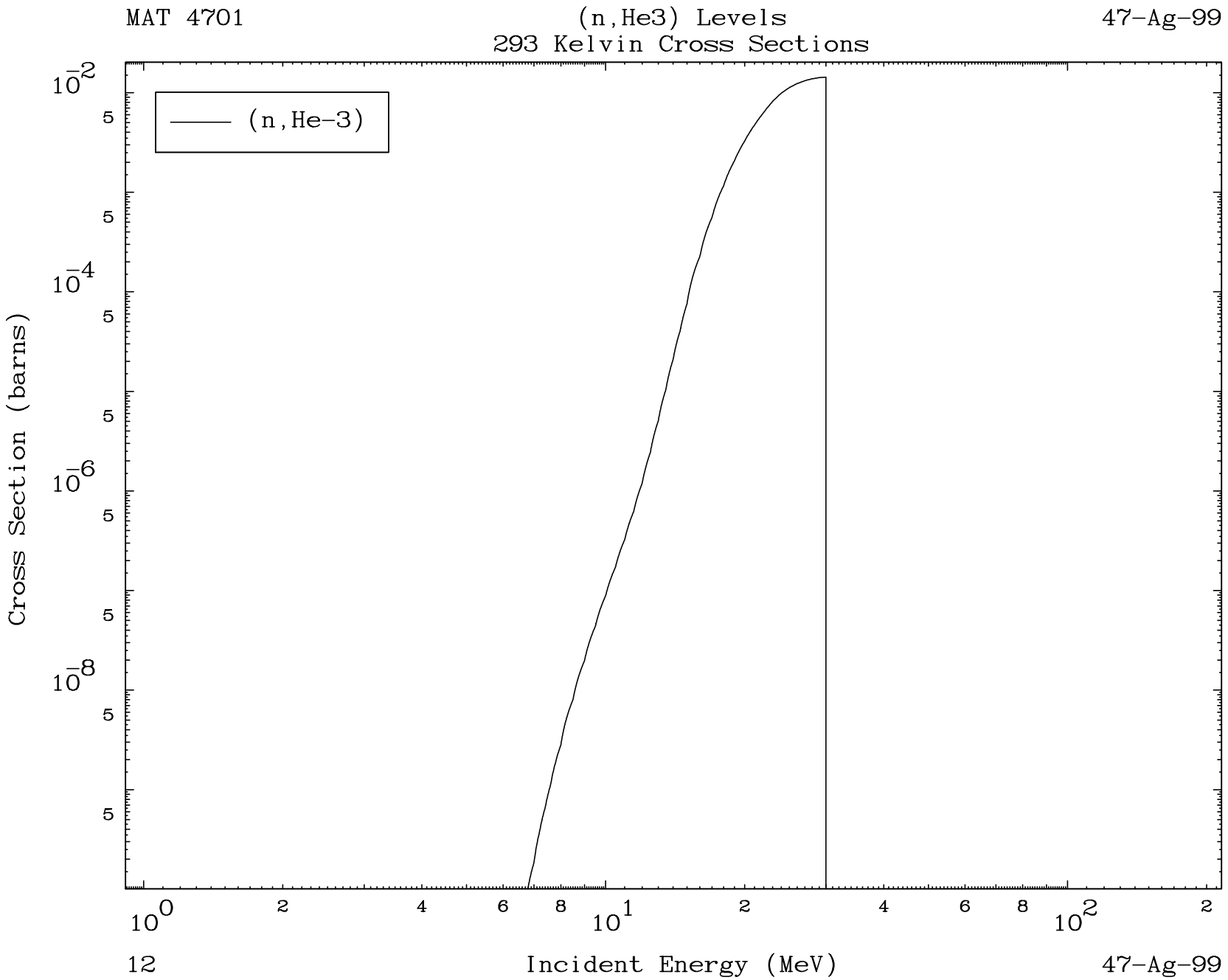

MAT 4701
Particle Production
293 Kelvin Cross Sections
47-Ag-99
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
7
47-Ag-99

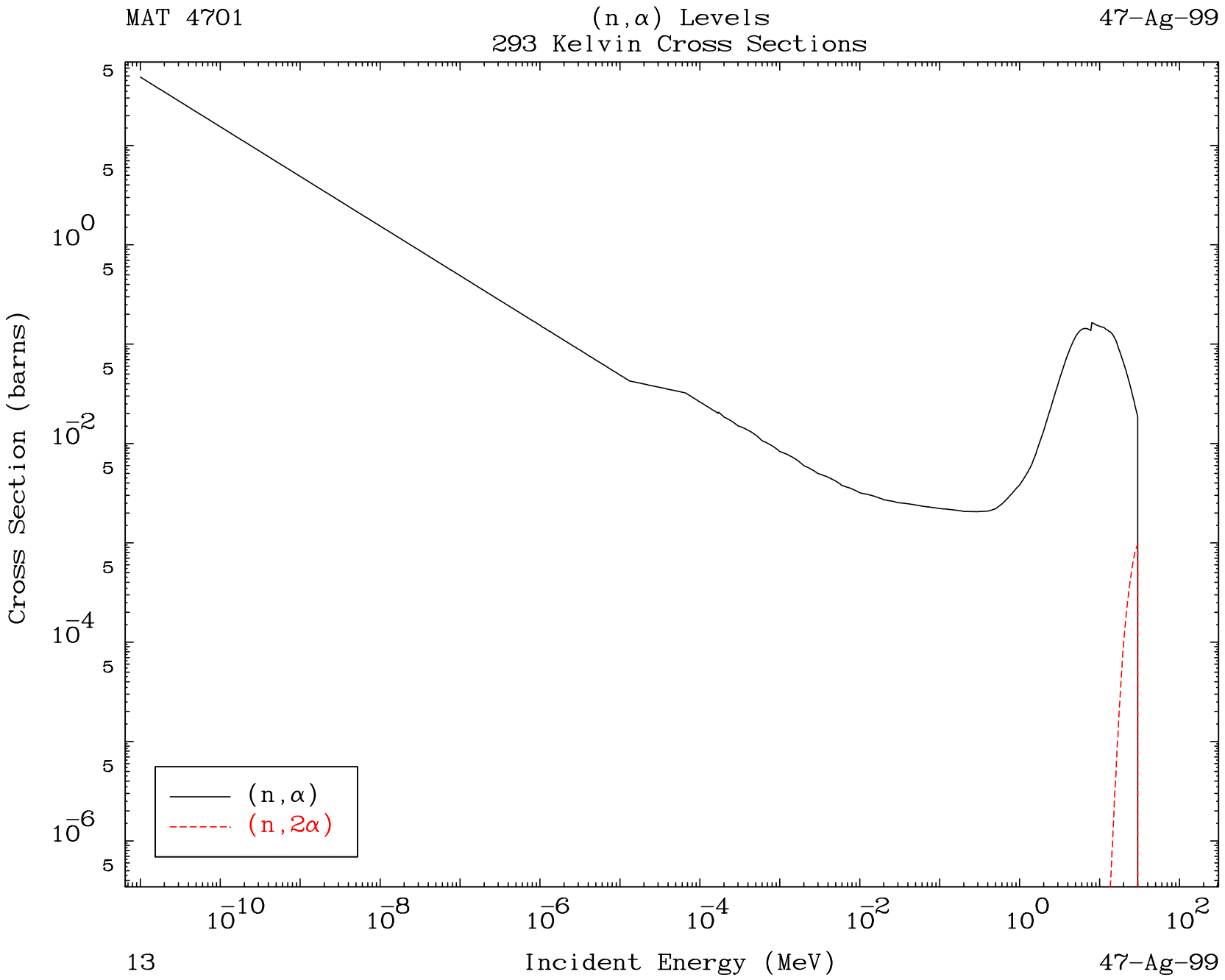

MAT 4701
(n,n') Levels
293 Kelvin Cross Sections
47-Ag-99
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
8
47-Ag-99

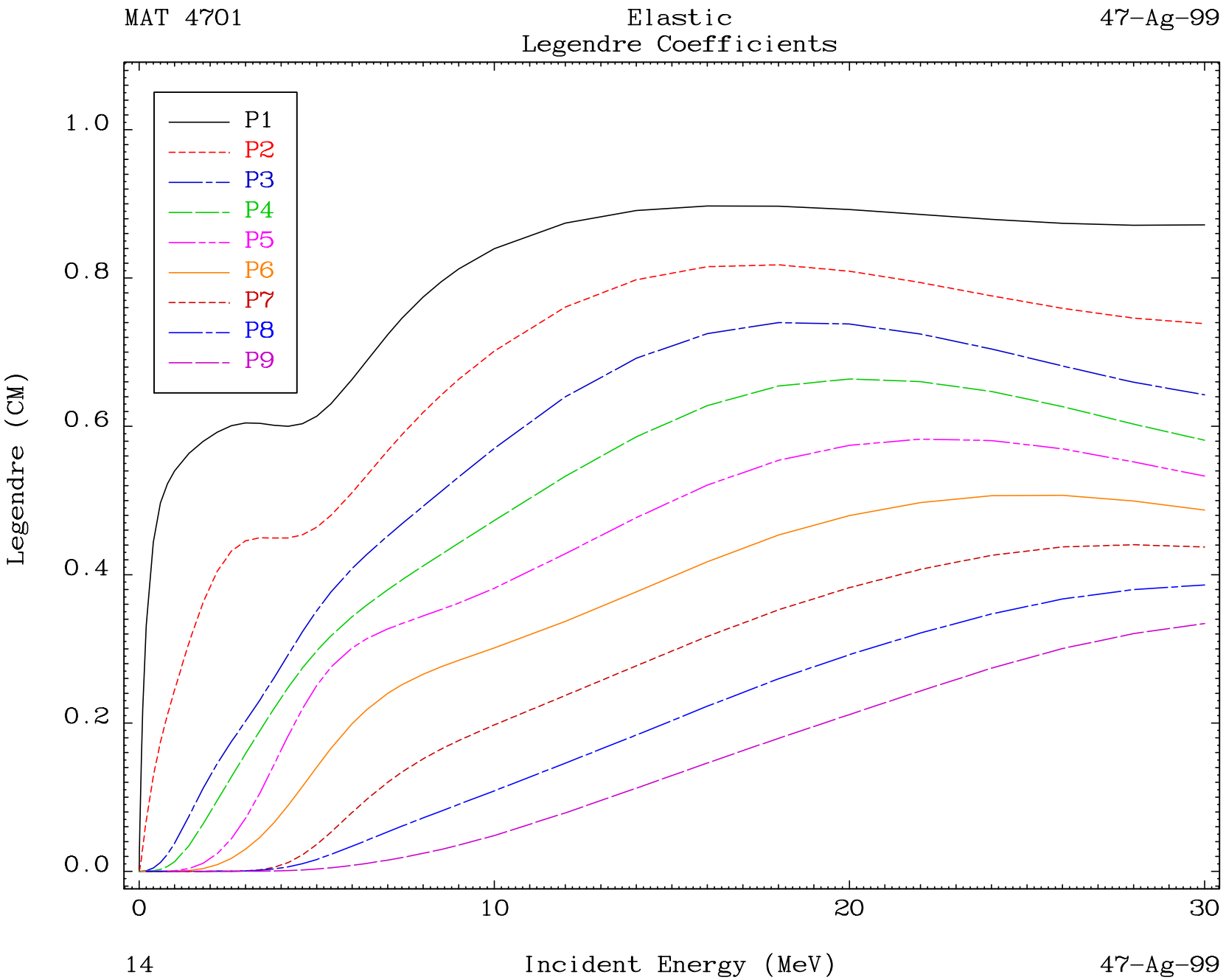

MAT 4701
(n,p) Levels
47-Ag-99
293 Kelvin Cross Sections
Cross Section (barns)
10^4
10^3
10^2
10^1
10^0
10^-1
(n,p)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
9
47-Ag-99

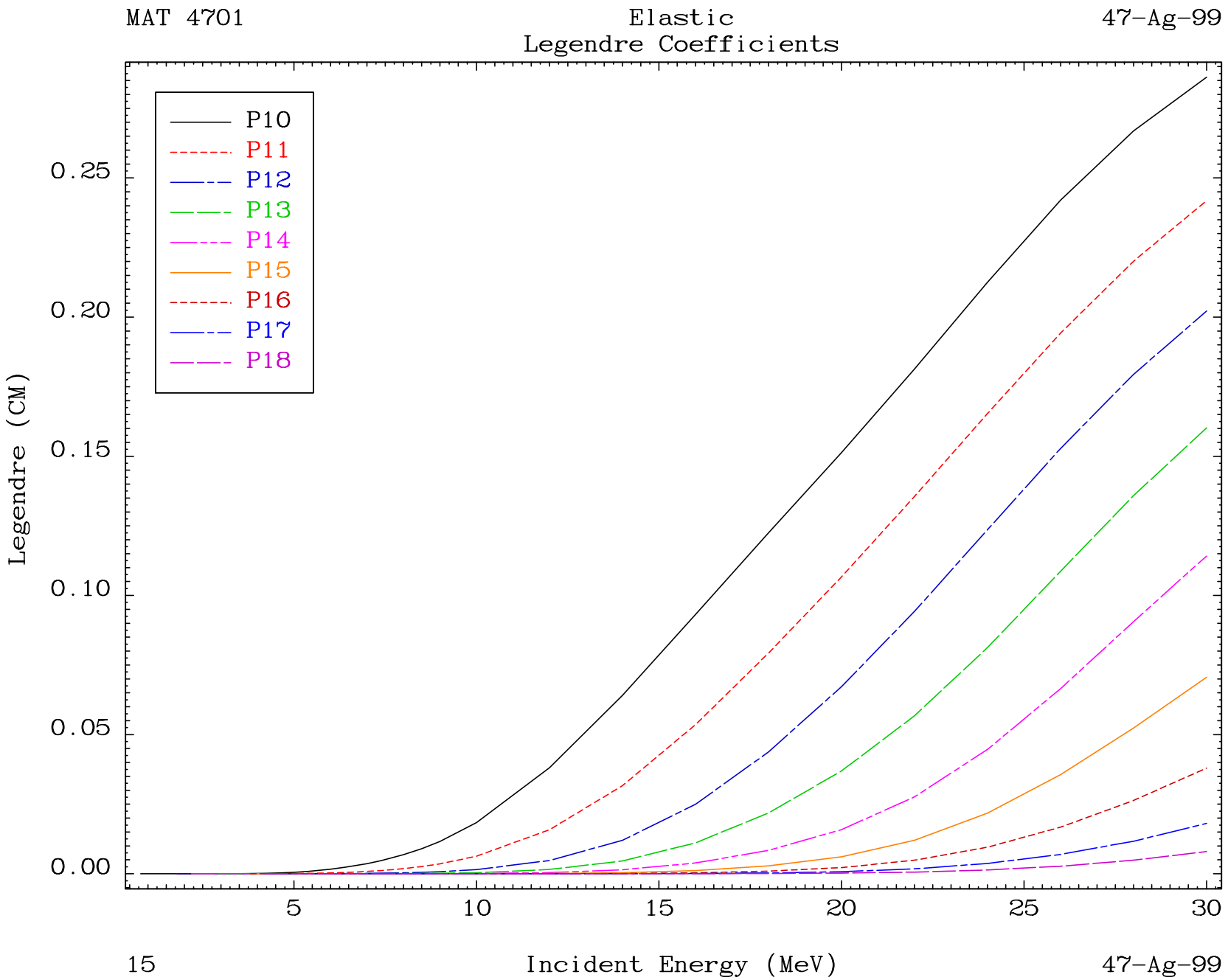

MAT 4701
(n,d) Levels
47-Ag-99
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
47-Ag-99

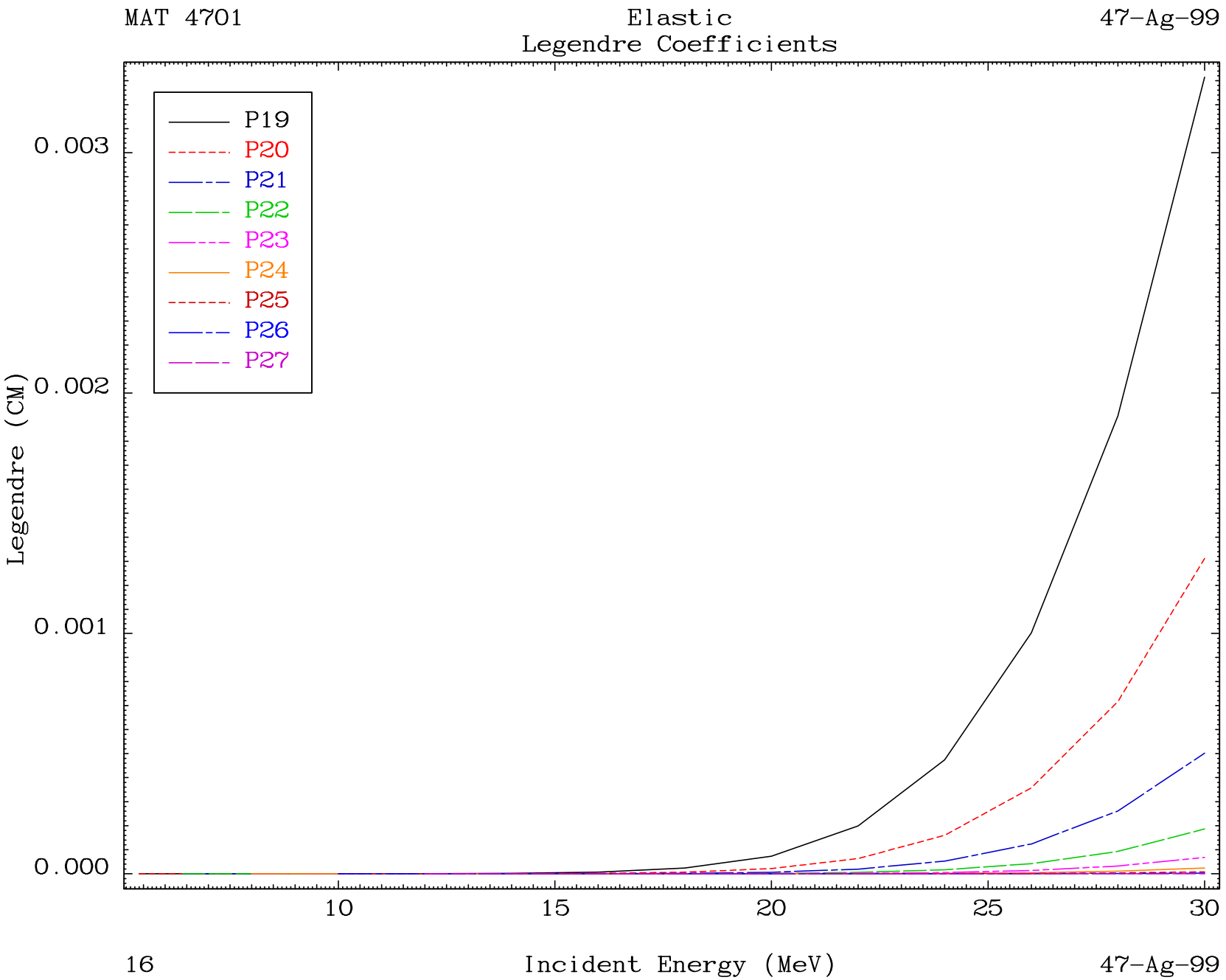

MAT 4701
(n,t) Levels
47-Ag-99
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
11
47-Ag-99

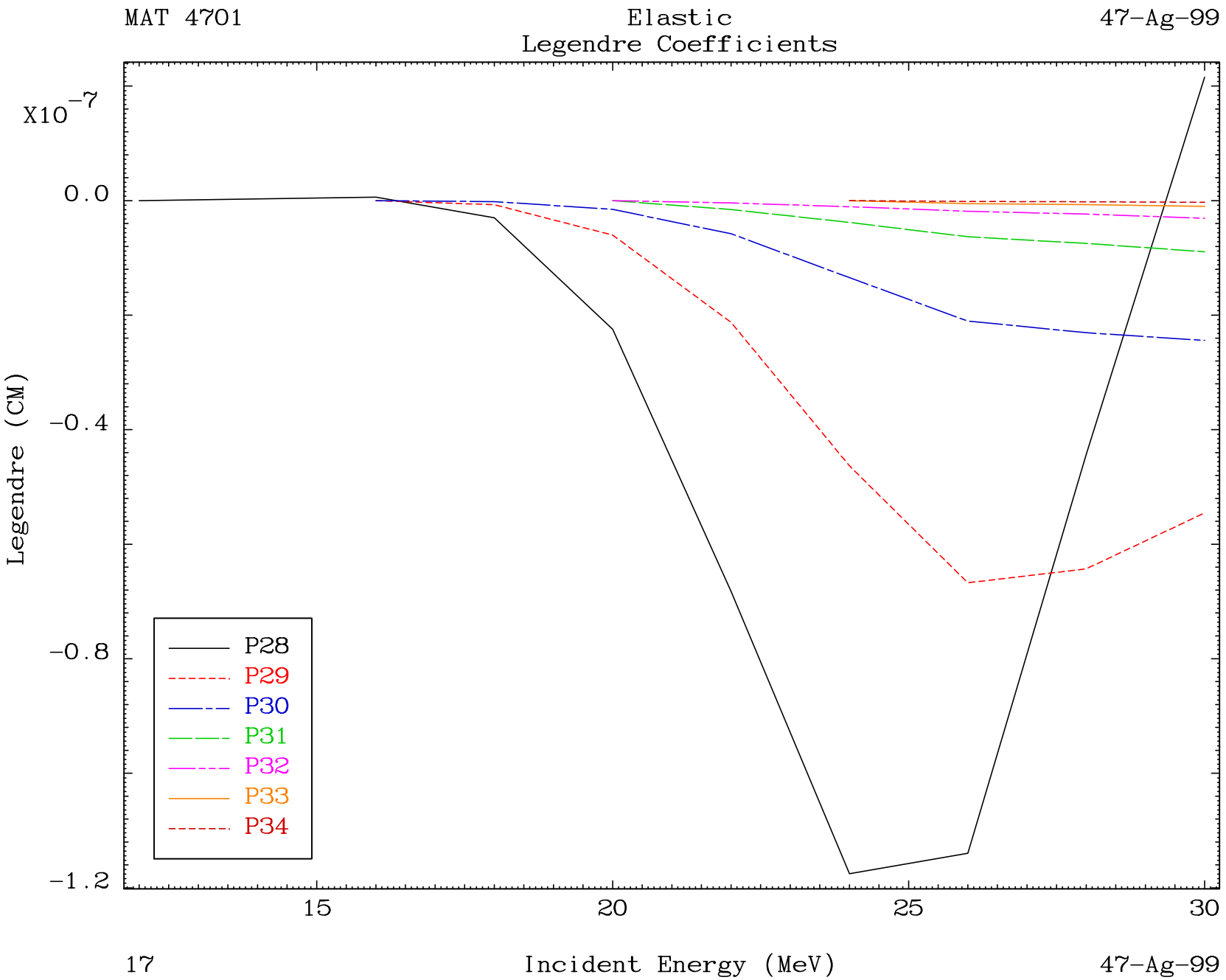

MAT 4701
(n,He3) Levels
47-Ag-99
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
12
47-Ag-99

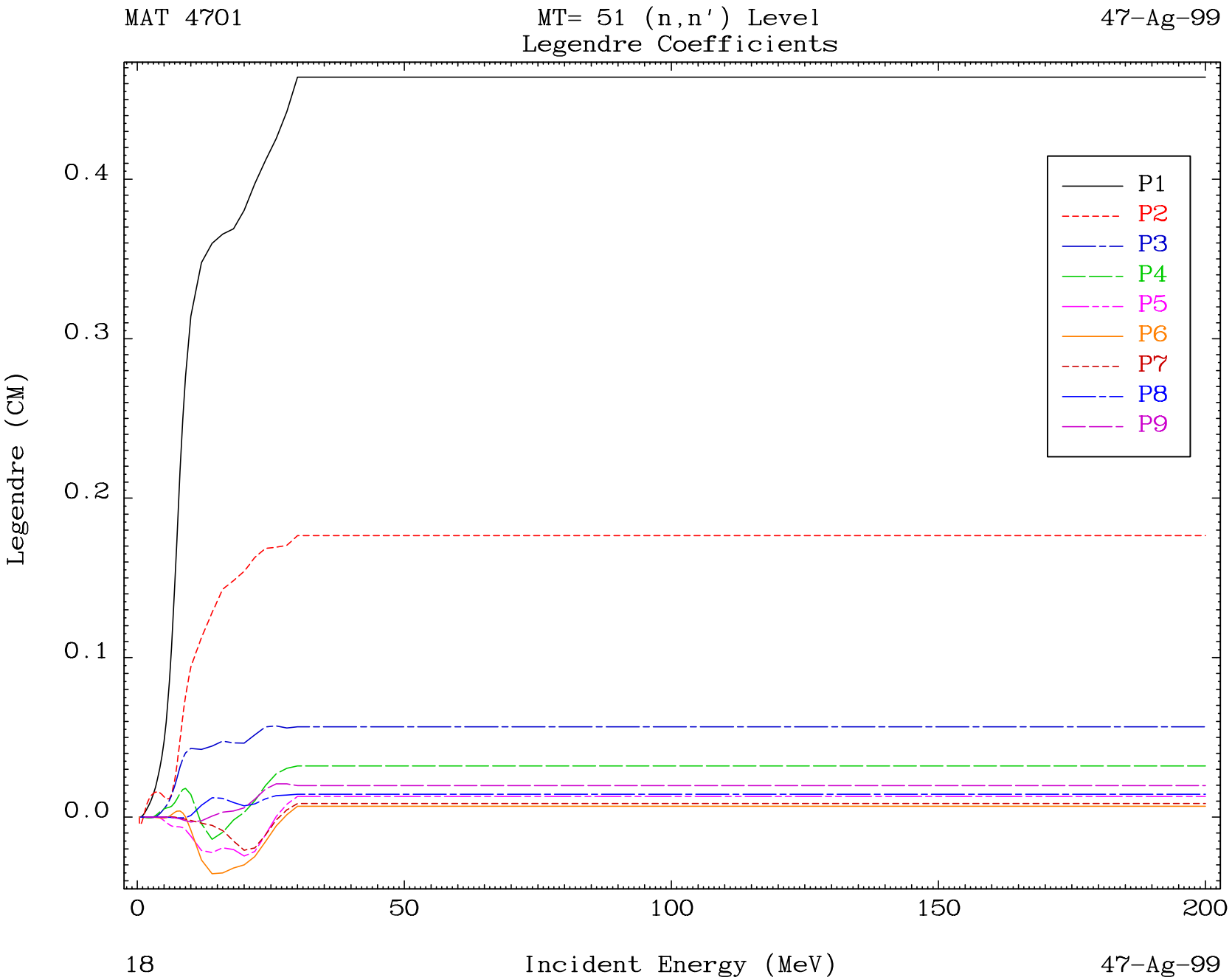

MAT 4701
(n,α) Levels
293 Kelvin Cross Sections
47-Ag-99
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
(n,α)
(n,2α)
13
Incident Energy (MeV)
47-Ag-99

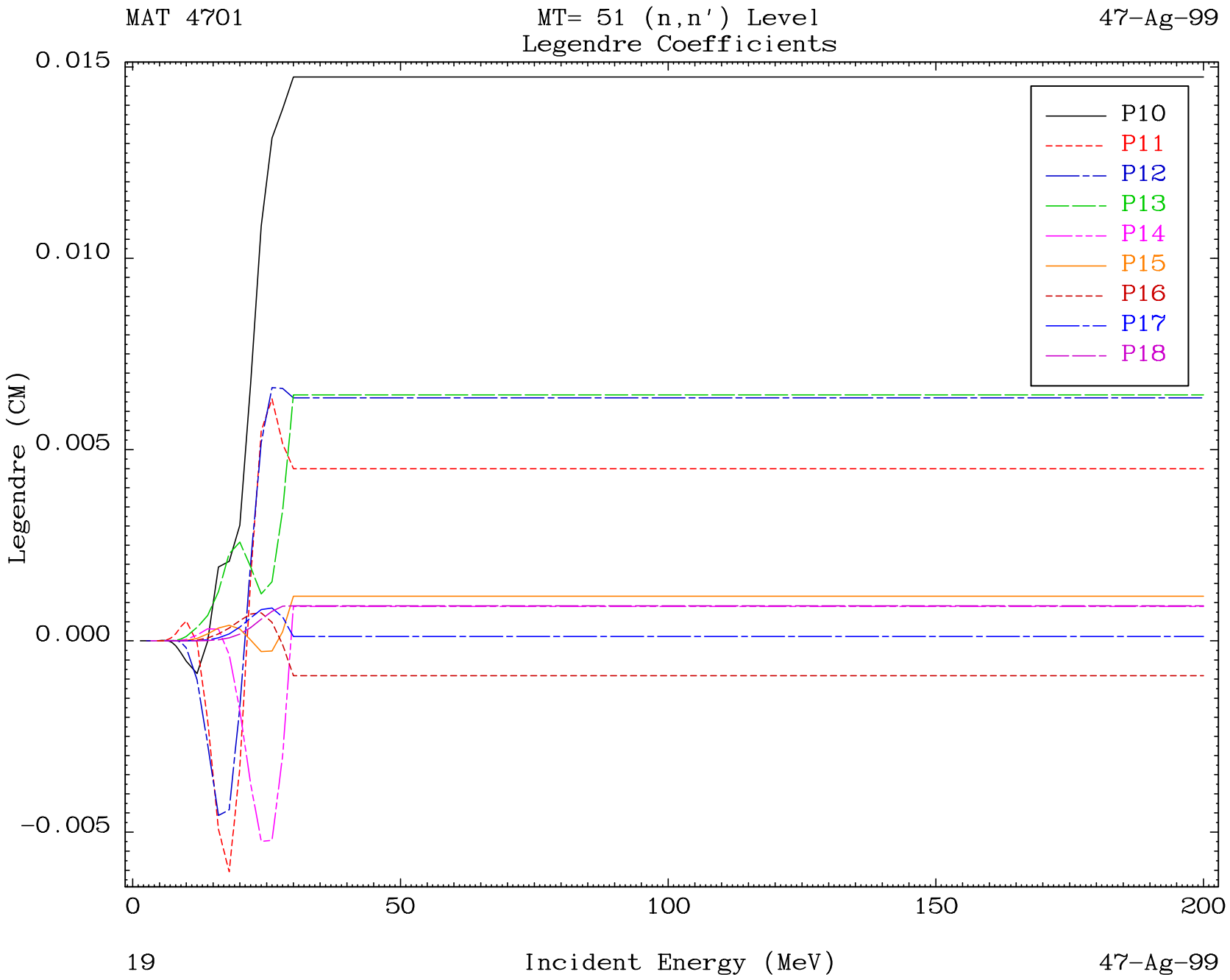

MAT 4701
Elastic
Legendre Coefficients
47-Ag-99
P1
P2
P3
P4
P5
P6
P7
P8
P9
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
0
10
20
30
14
Incident Energy (MeV)
47-Ag-99

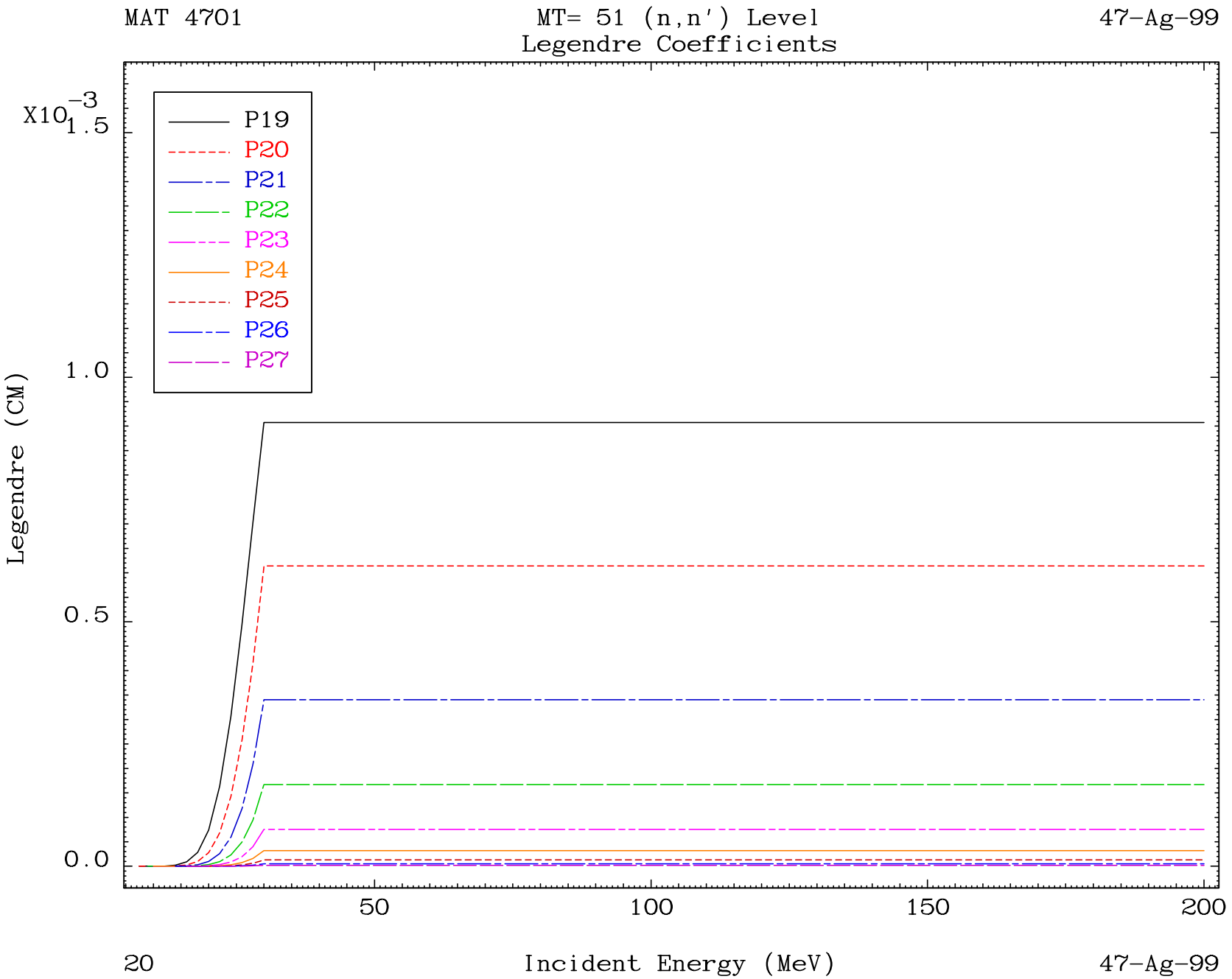

MAT 4701
Elastic
Legendre Coefficients
47-Ag-99
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.25
0.20
0.15
0.10
0.05
0.00
5
10
15
20
25
30
15
Incident Energy (MeV)
47-Ag-99

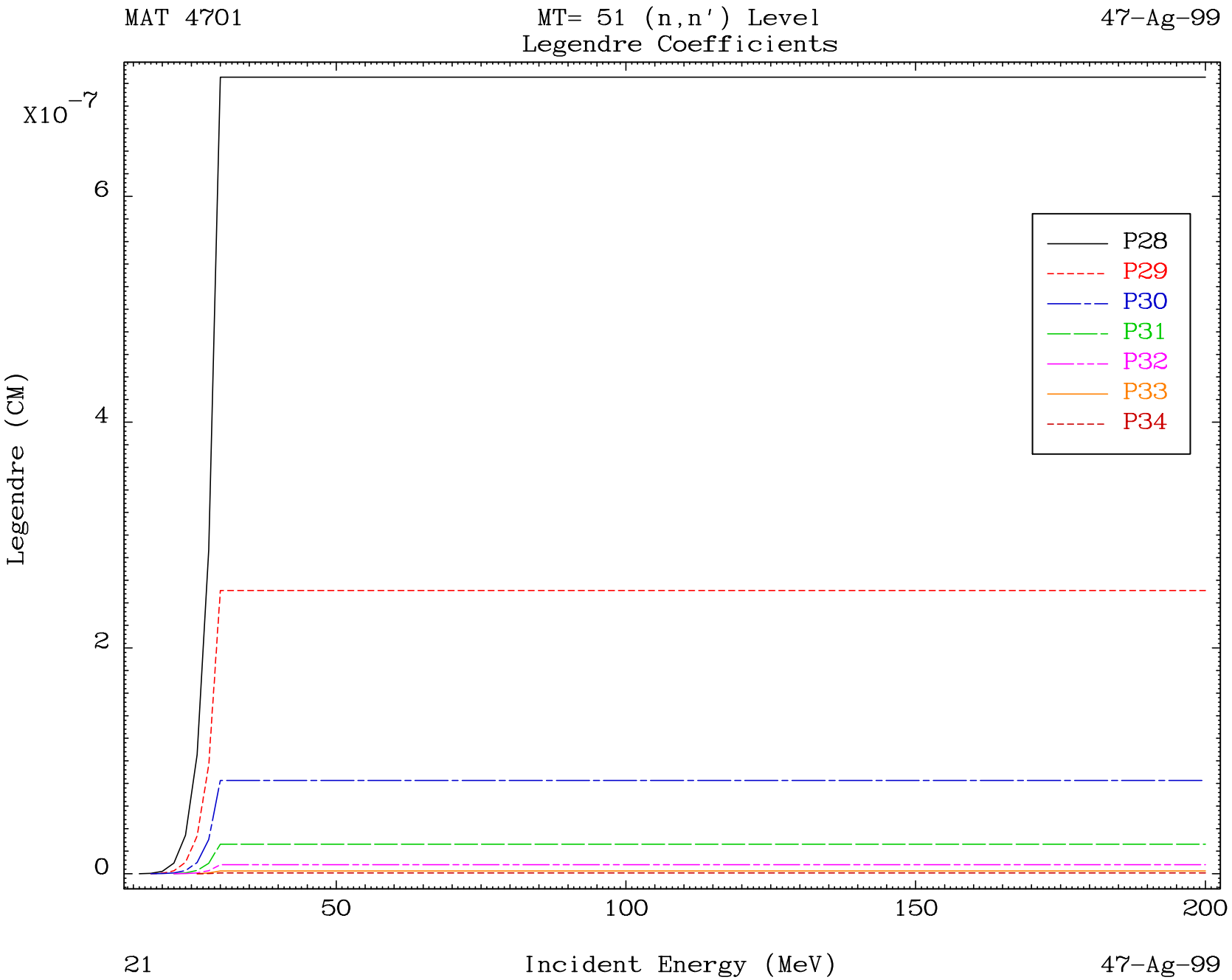

MAT 4701
Elastic
Legendre Coefficients
47-Ag-99
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.003
0.002
0.001
0.000
Legendre (CM)
10
15
20
25
30
16
Incident Energy (MeV)
47-Ag-99

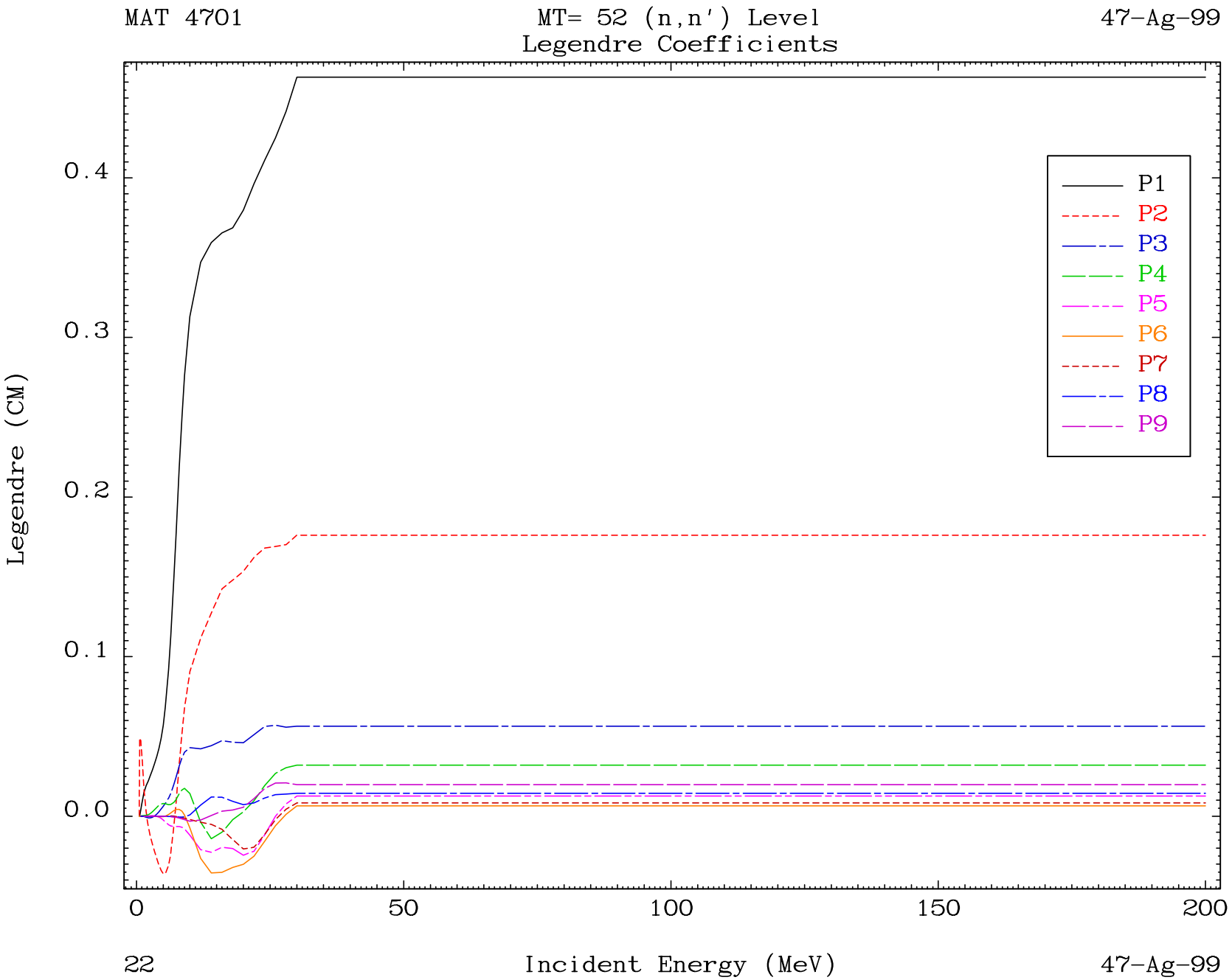

MAT 4701
Elastic
Legendre Coefficients
47-Ag-99
X10^-7
0.0
-0.4
-0.8
-1.2
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
15
20
25
30
17
Incident Energy (MeV)
47-Ag-99

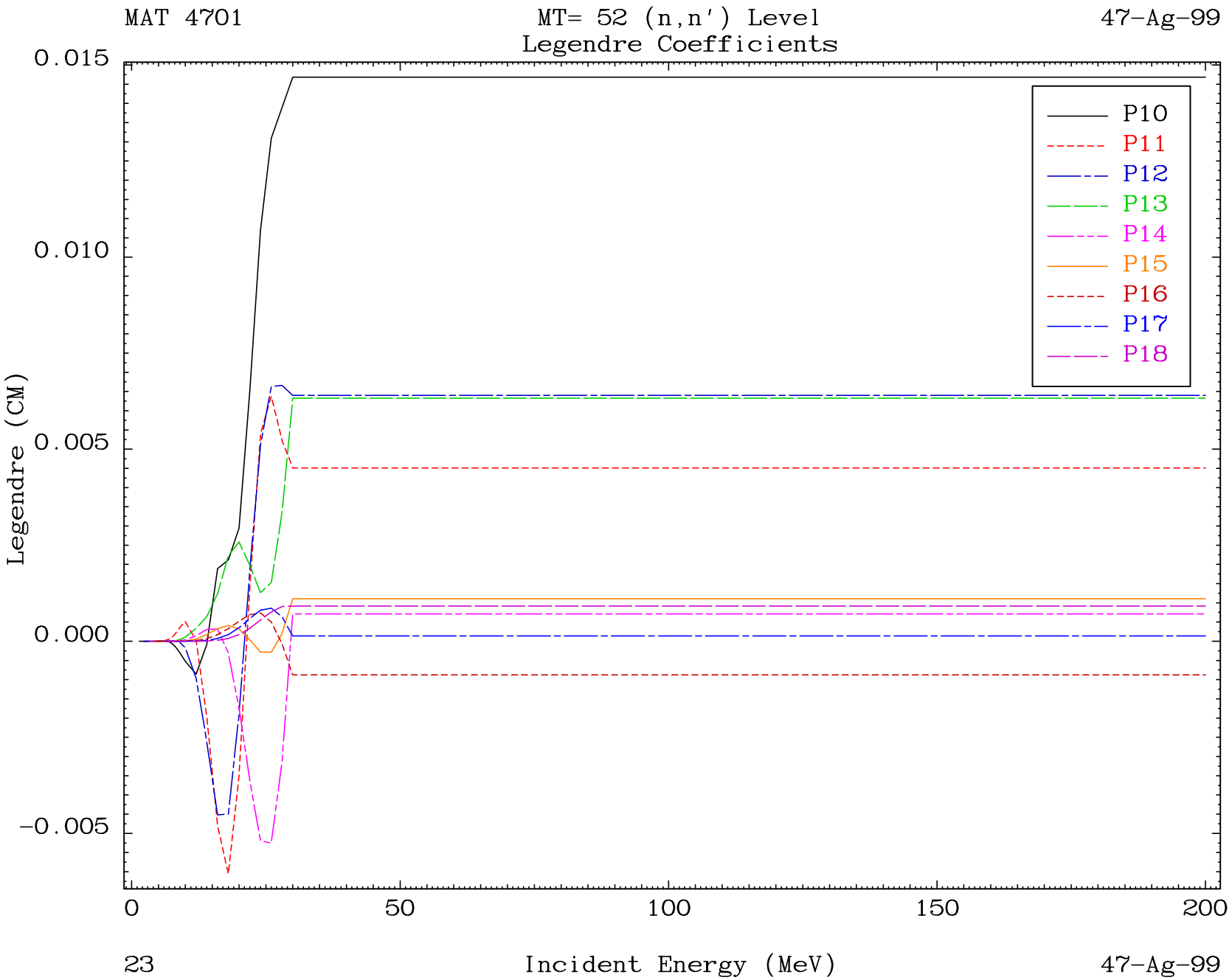

MAT 4701
MT= 51 (n,n') Level
Legendre Coefficients
47-Ag-99
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
18
Incident Energy (MeV)
47-Ag-99

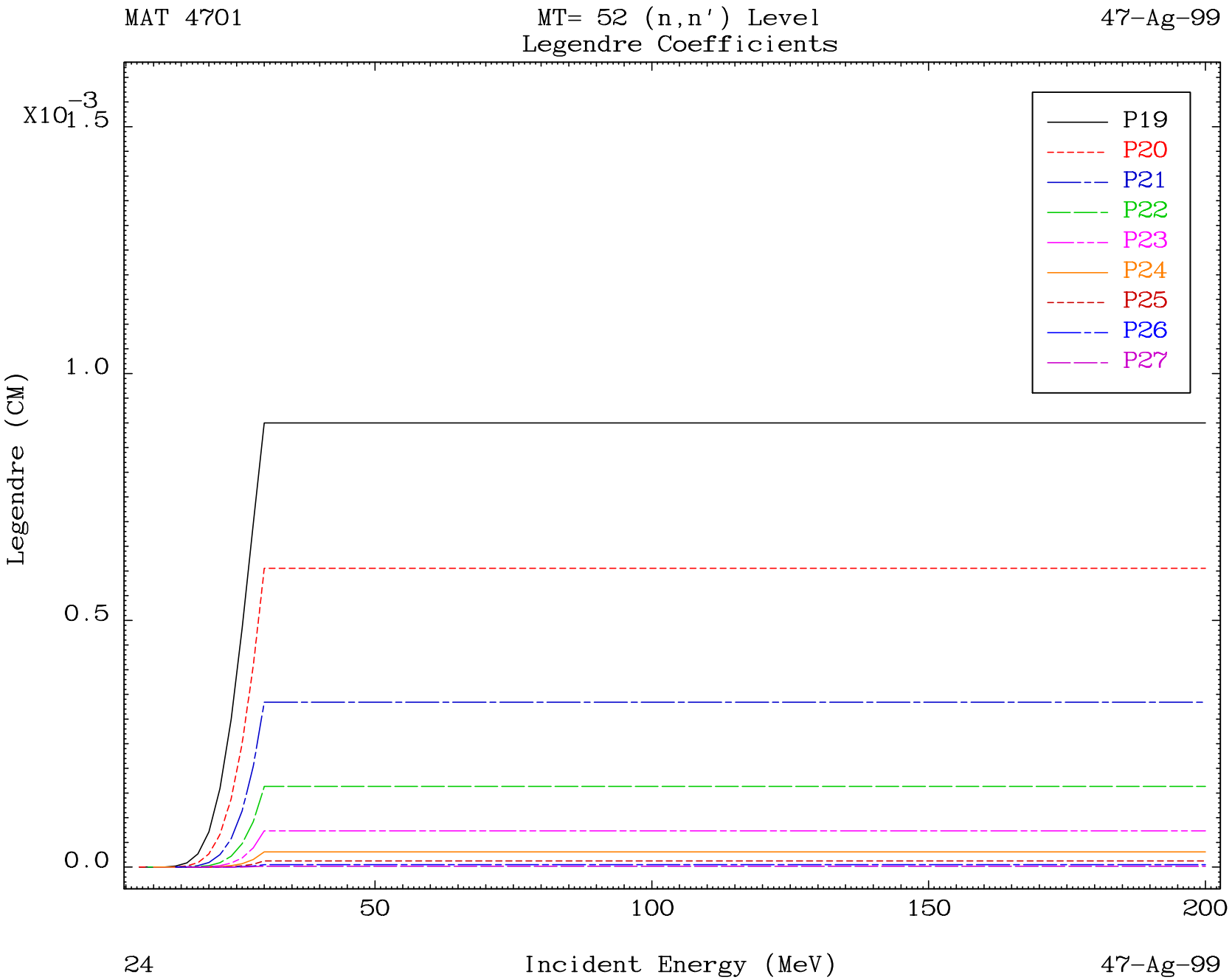

MAT 4701
MT= 51 (n,n') Level
Legendre Coefficients
47-Ag-99
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
19
Incident Energy (MeV)
47-Ag-99

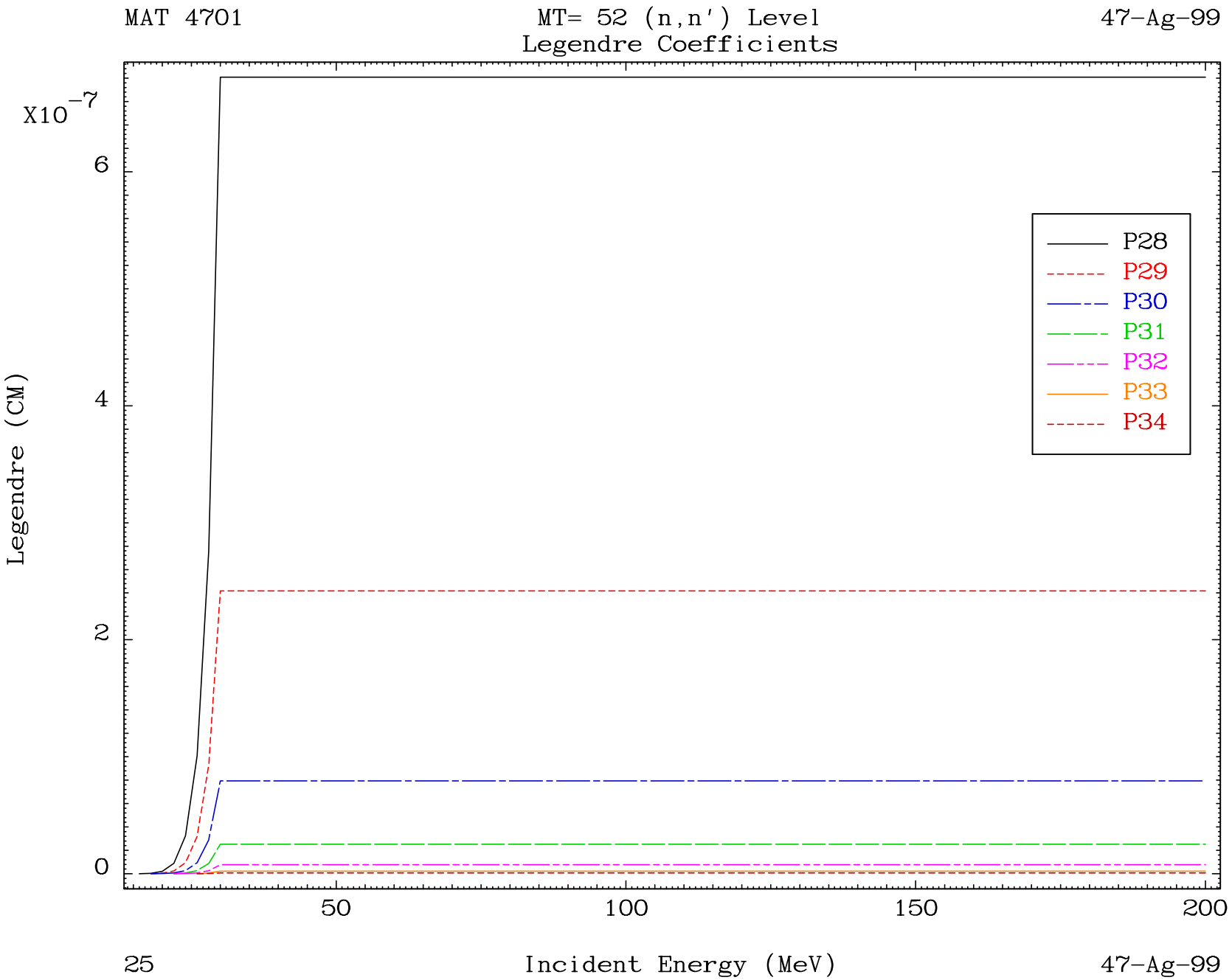

MAT 4701
MT= 51 (n,n') Level
Legendre Coefficients
47-Ag-99
X10-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
20
Incident Energy (MeV)
47-Ag-99

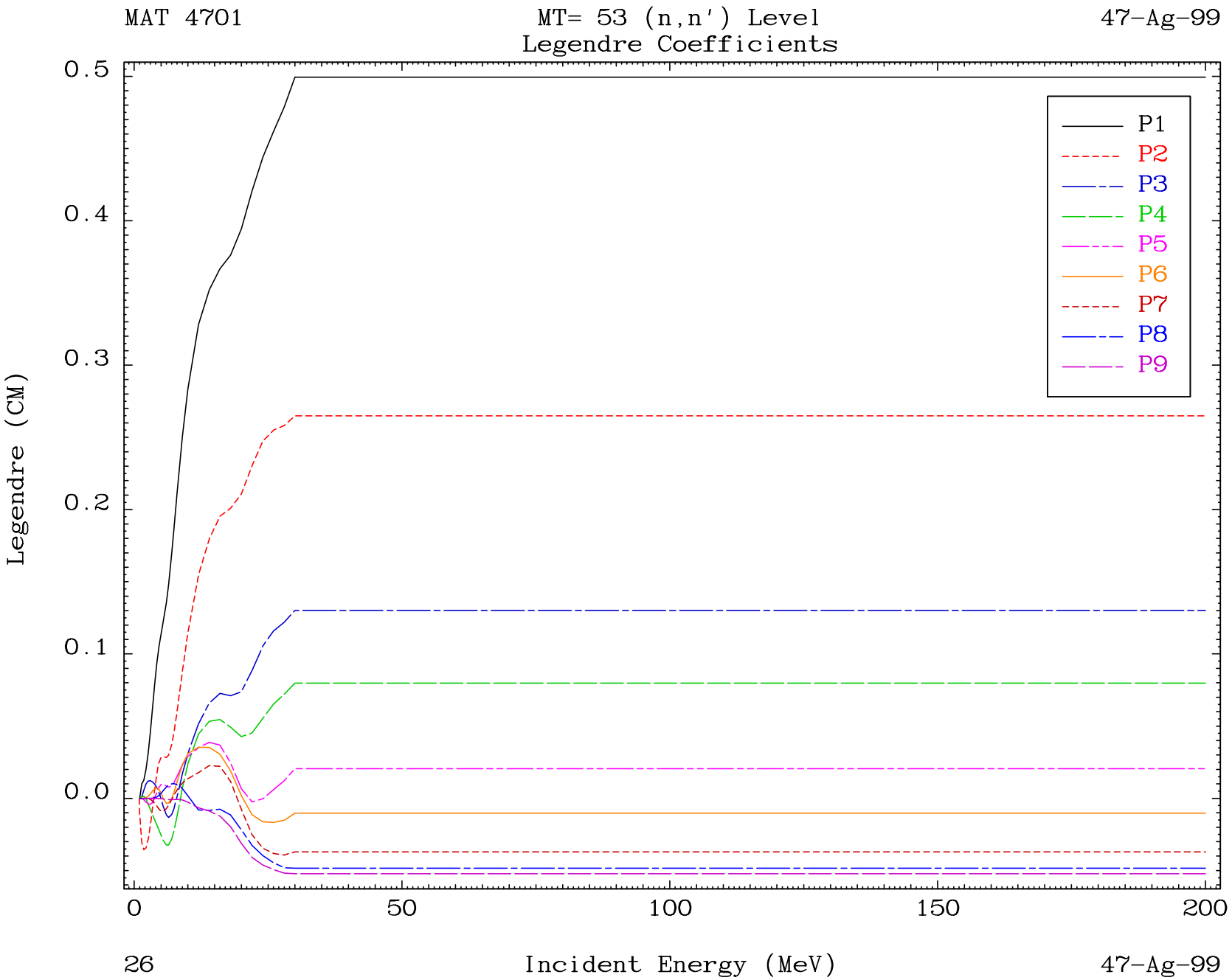

MAT 4701
MT= 51 (n,n') Level
Legendre Coefficients
47-Ag-99
X10-7
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
21
Incident Energy (MeV)
47-Ag-99

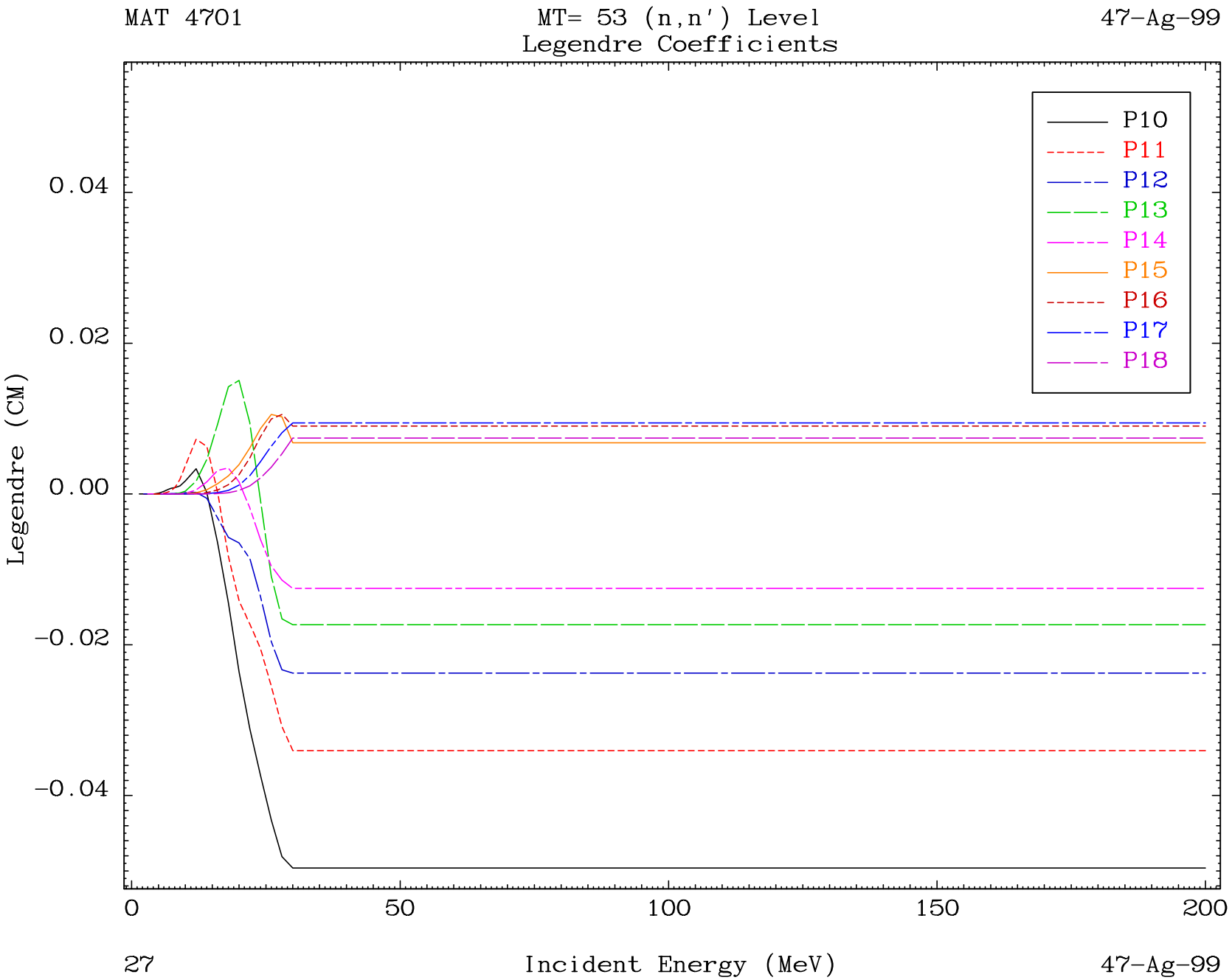

MAT 4701
MT= 52 (n,n') Level
Legendre Coefficients
47-Ag-99
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
22
Incident Energy (MeV)
47-Ag-99

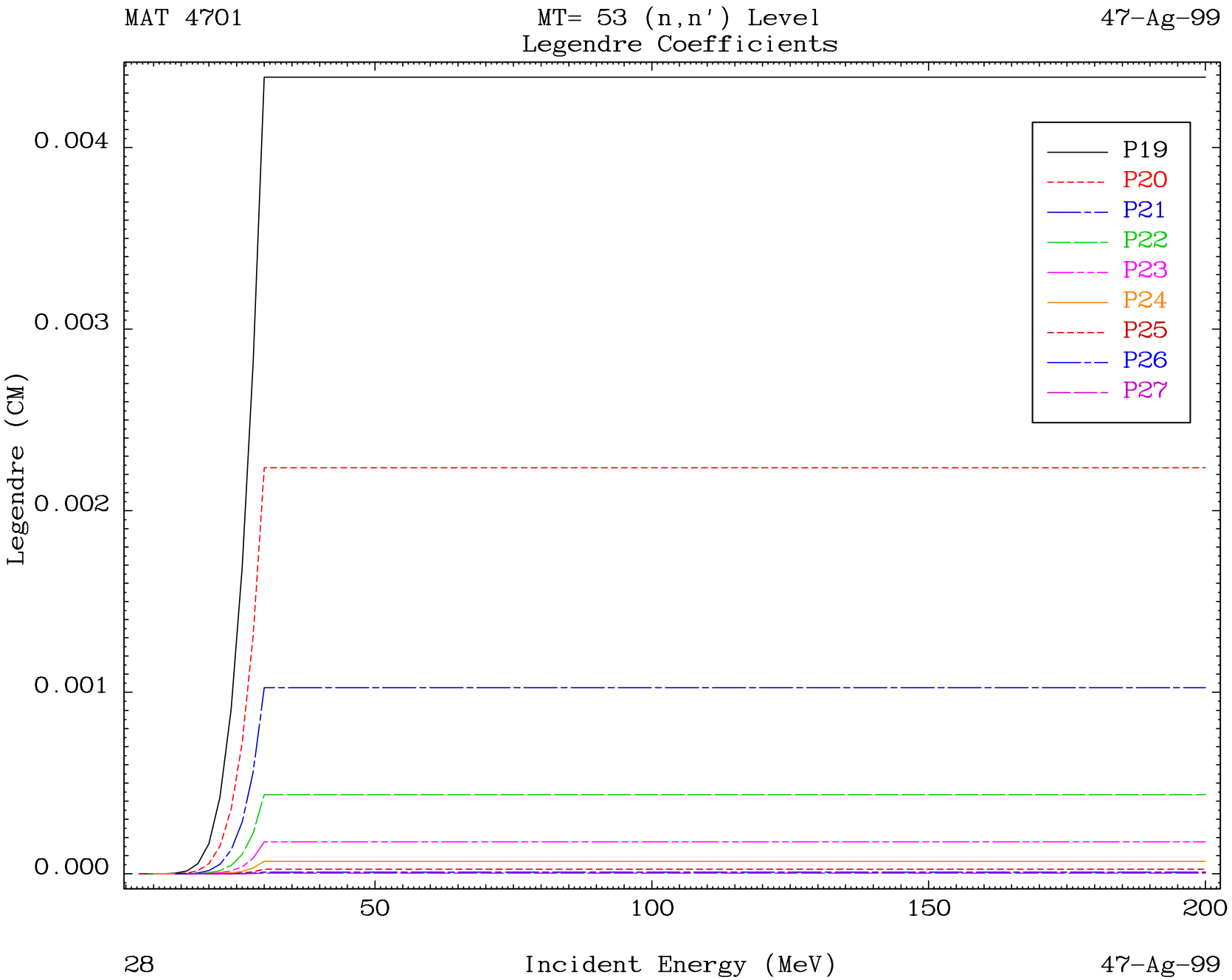

MAT 4701
MT= 52 (n,n') Level
Legendre Coefficients
47-Ag-99
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
0
50
100
150
200
23
Incident Energy (MeV)
47-Ag-99
P10
P11
P12
P13
P14
P15
P16
P17
P18

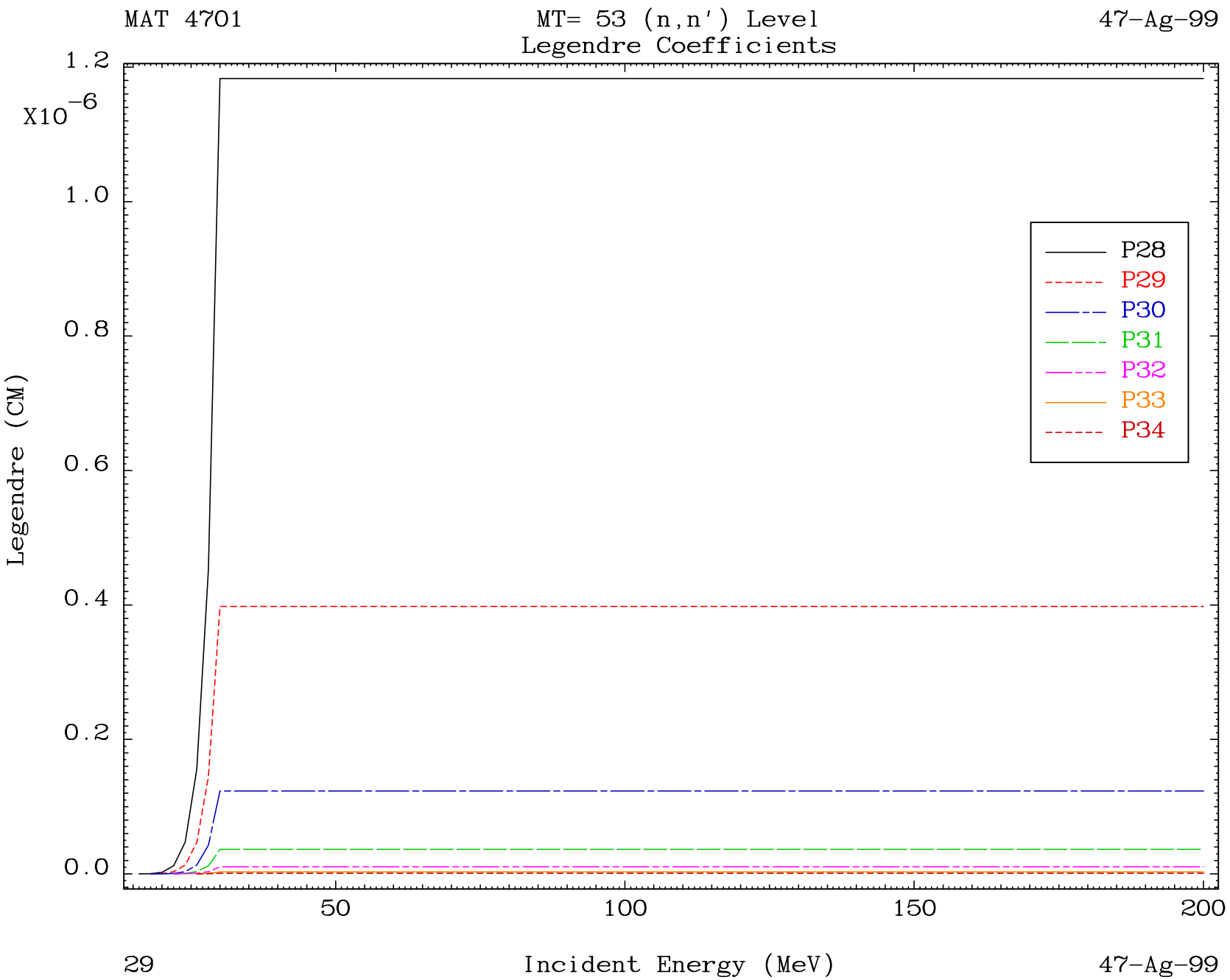

MAT 4701
MT= 52 (n,n') Level
Legendre Coefficients
47-Ag-99
X10-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
24
Incident Energy (MeV)
47-Ag-99

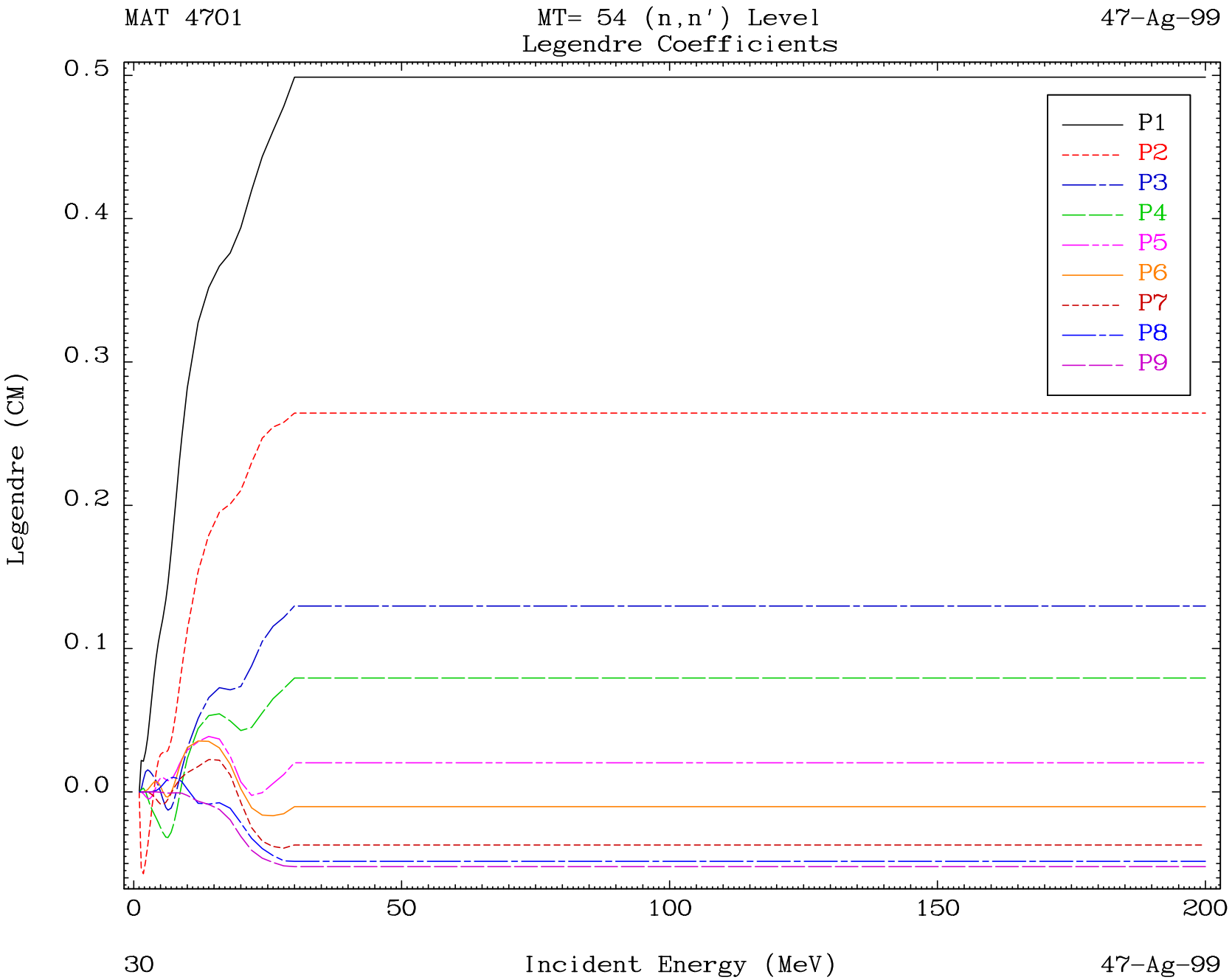

MAT 4701
MT= 52 (n,n') Level
Legendre Coefficients
47-Ag-99
X10-7
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
25
Incident Energy (MeV)
47-Ag-99

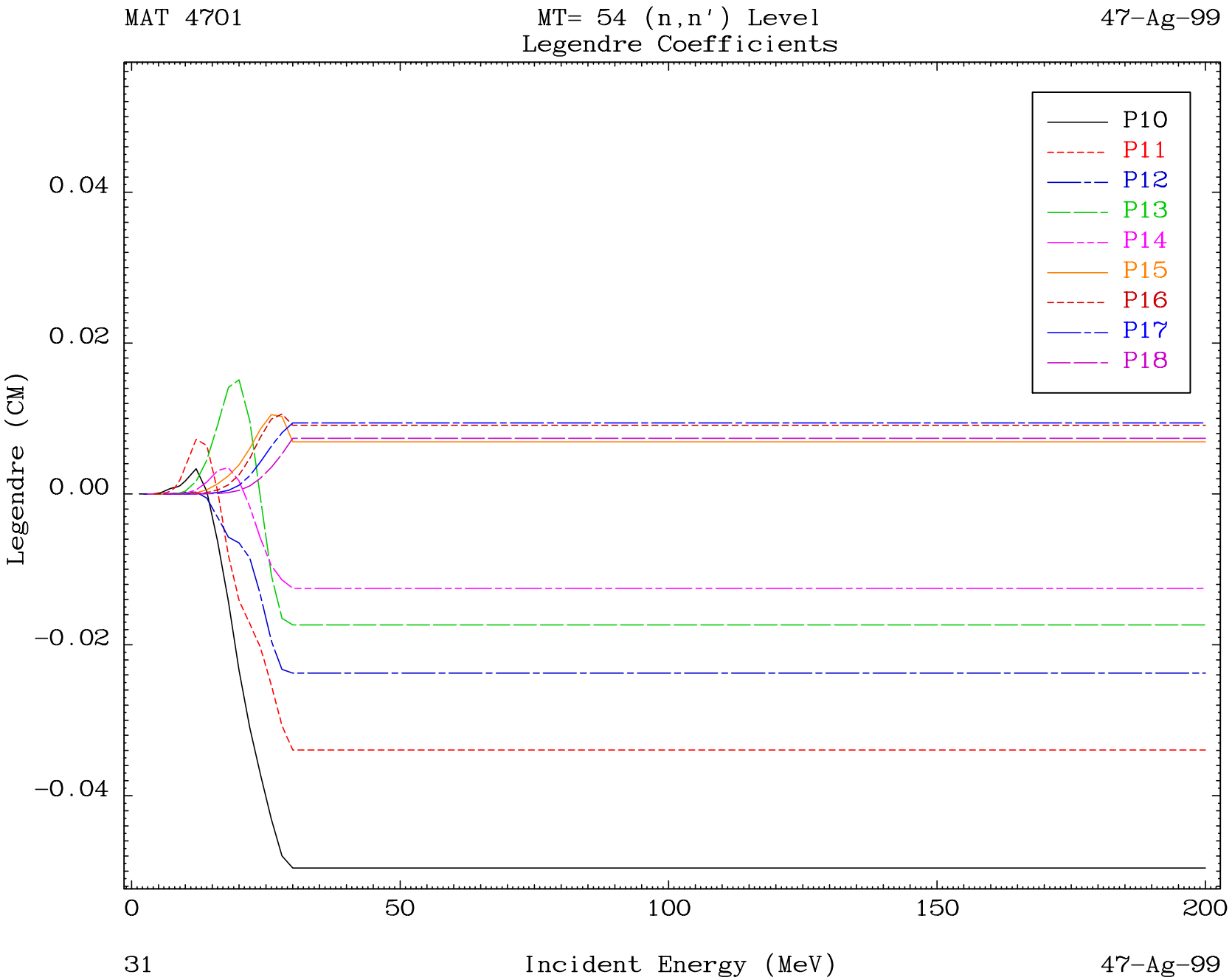

MAT 4701
MT= 53 (n,n') Level
Legendre Coefficients
47-Ag-99
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
26
Incident Energy (MeV)
47-Ag-99

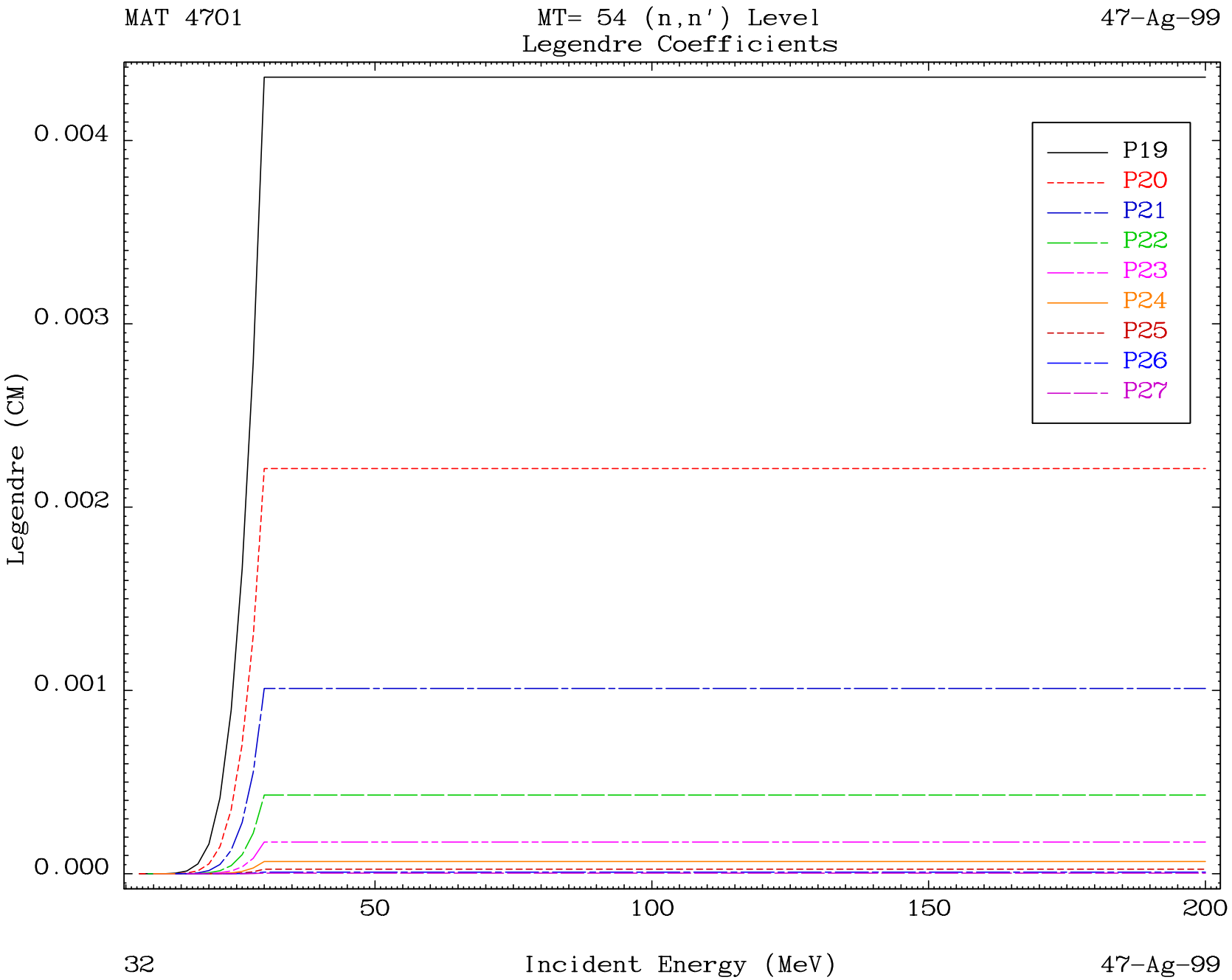

MAT 4701
MT= 53 (n,n') Level
Legendre Coefficients
47-Ag-99
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
27
Incident Energy (MeV)
47-Ag-99

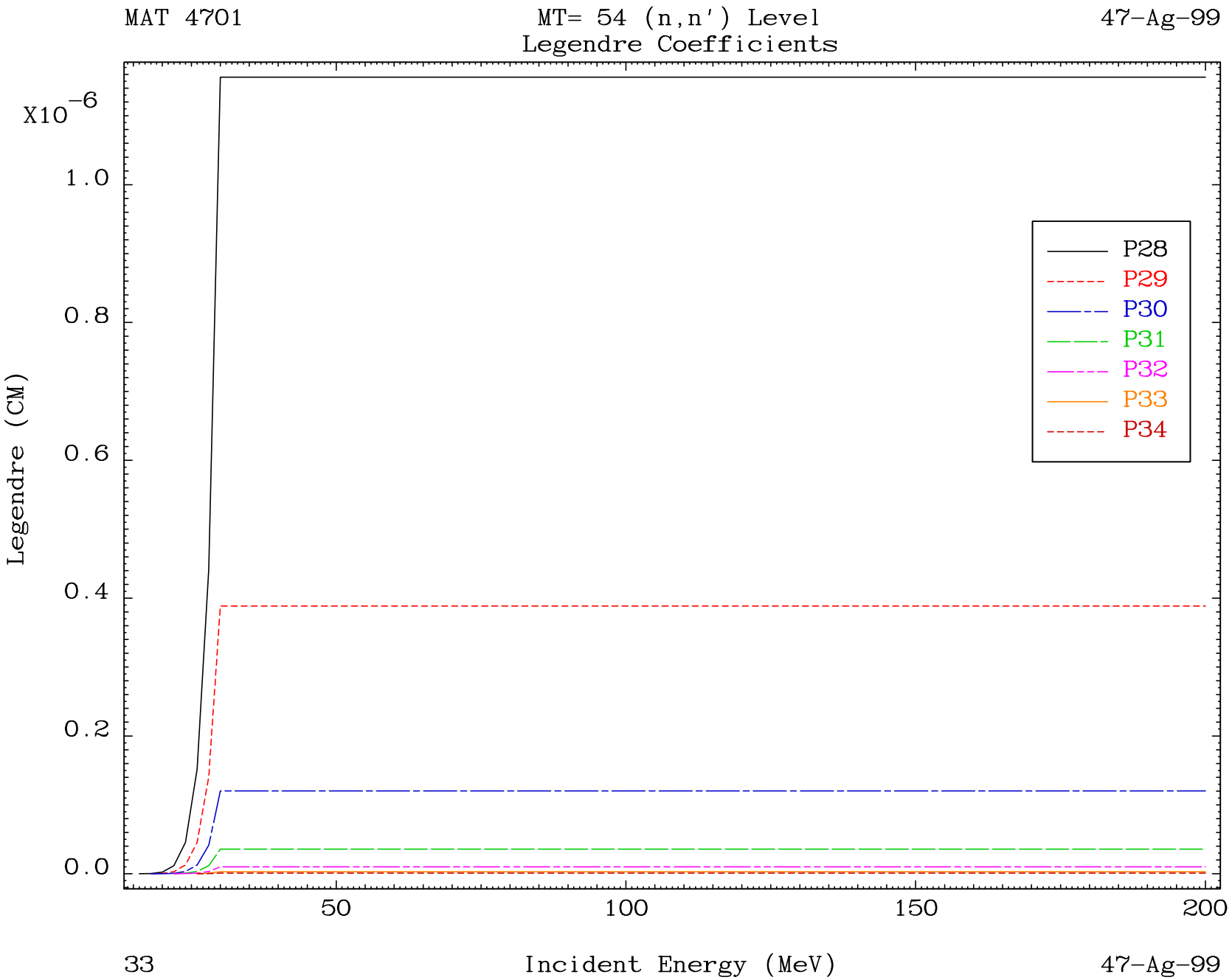

MAT 4701
MT= 53 (n,n') Level
Legendre Coefficients
47-Ag-99
0.004
0.003
0.002
0.001
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
28
Incident Energy (MeV)
47-Ag-99

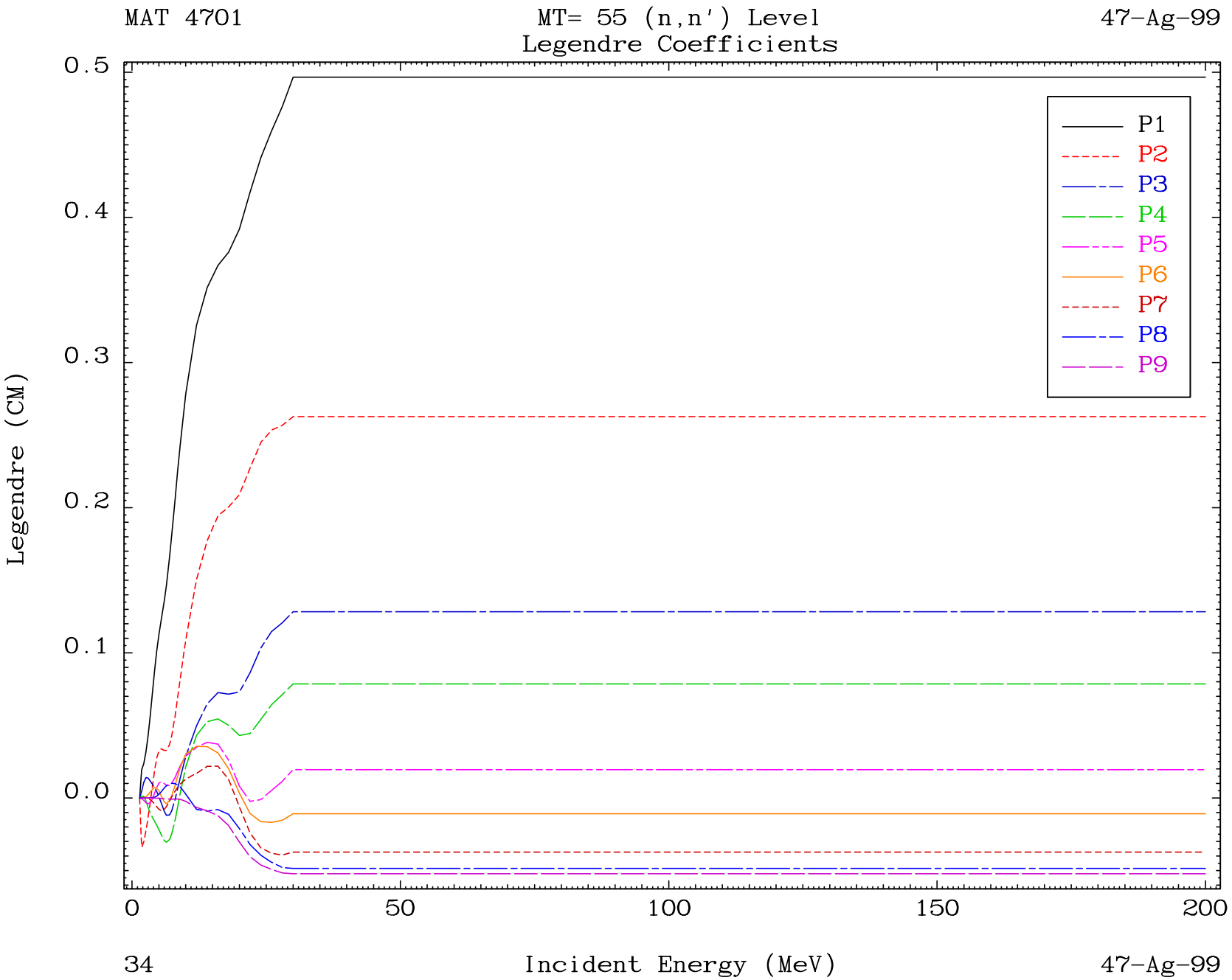

MAT 4701
MT= 53 (n,n') Level
Legendre Coefficients
47-Ag-99
X10 −6
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
29
Incident Energy (MeV)
47-Ag-99

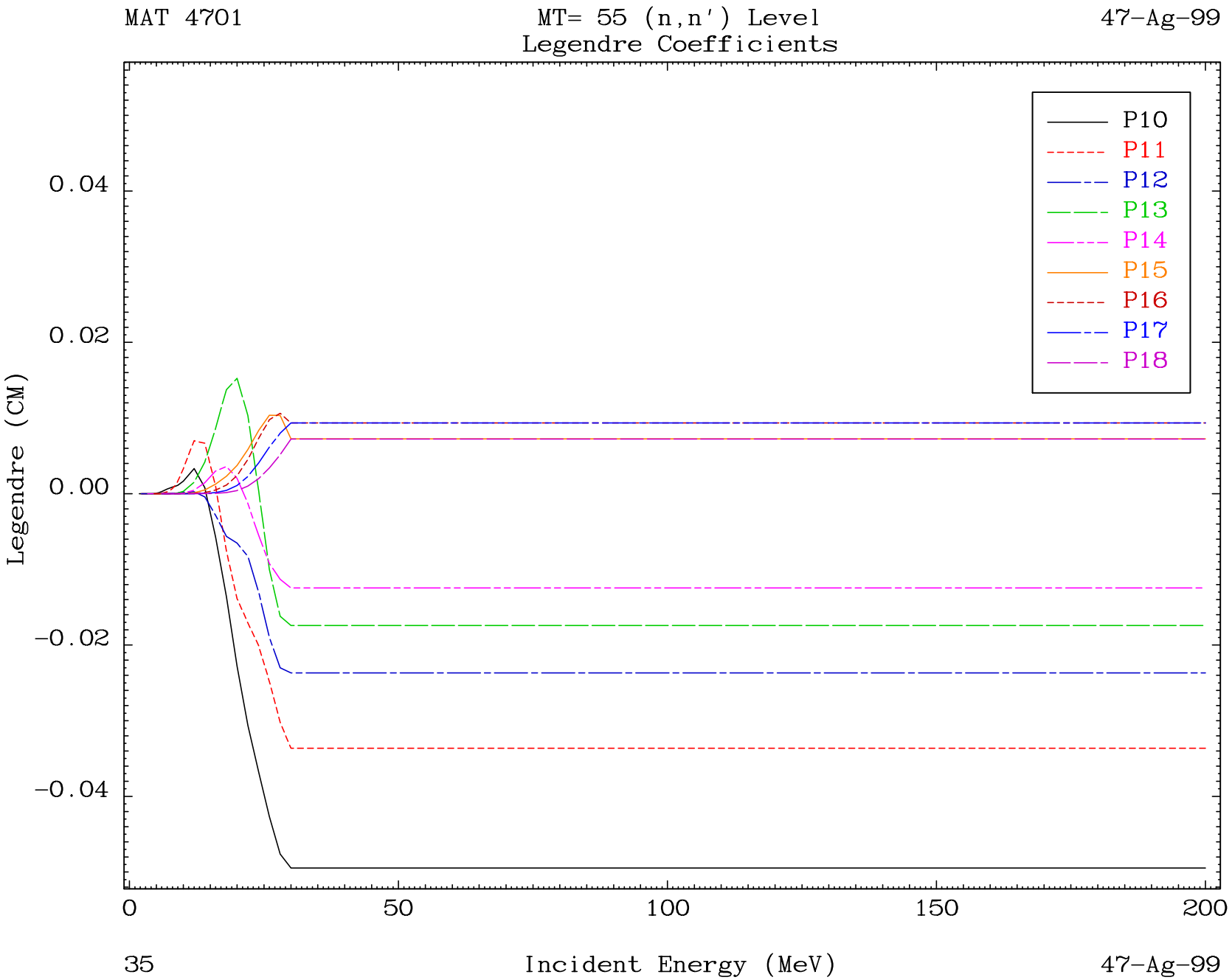

MAT 4701
MT= 54 (n,n') Level
Legendre Coefficients
47-Ag-99
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
30
Incident Energy (MeV)
47-Ag-99

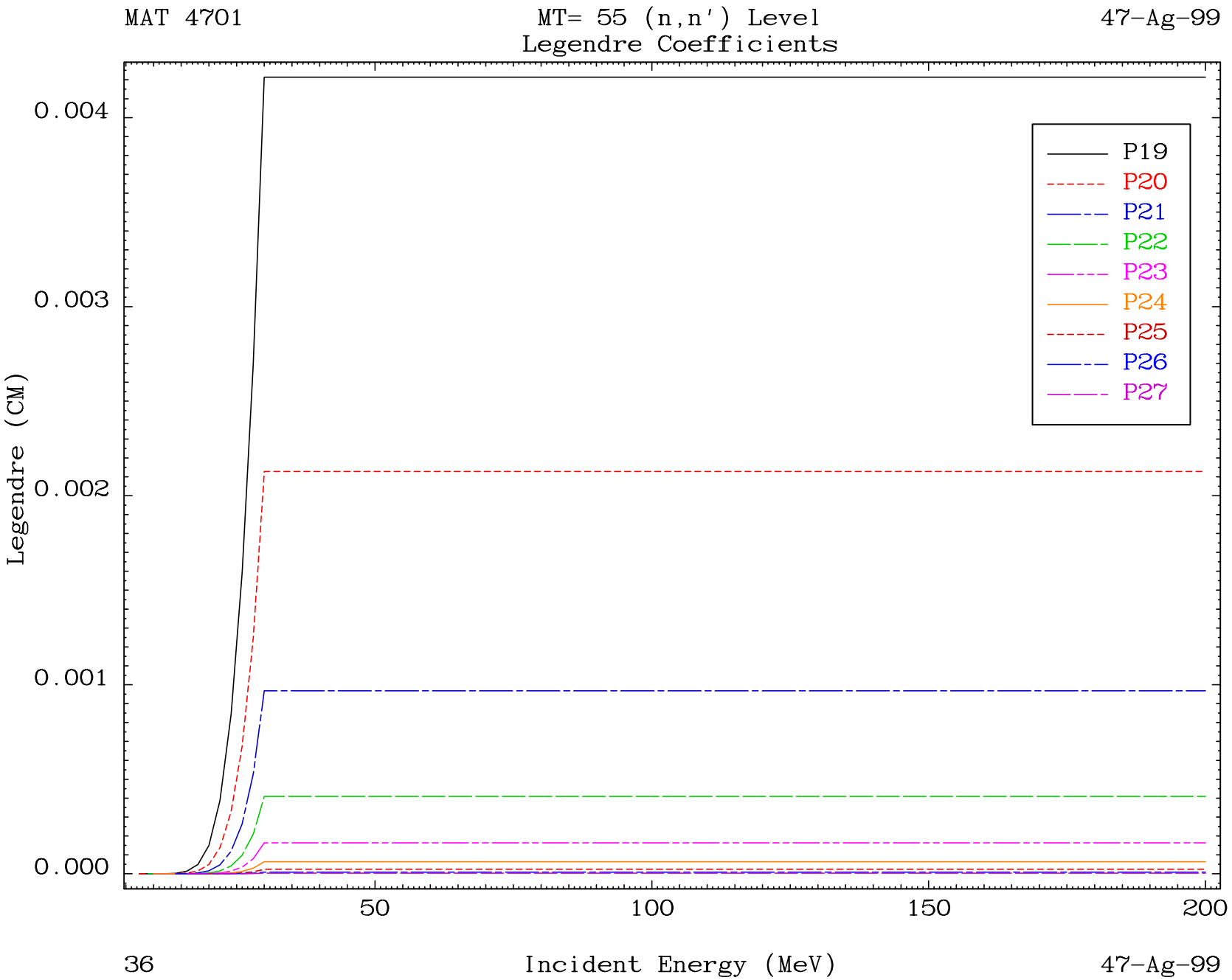

MAT 4701
MT= 54 (n,n') Level
Legendre Coefficients
47-Ag-99
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
31
Incident Energy (MeV)
47-Ag-99

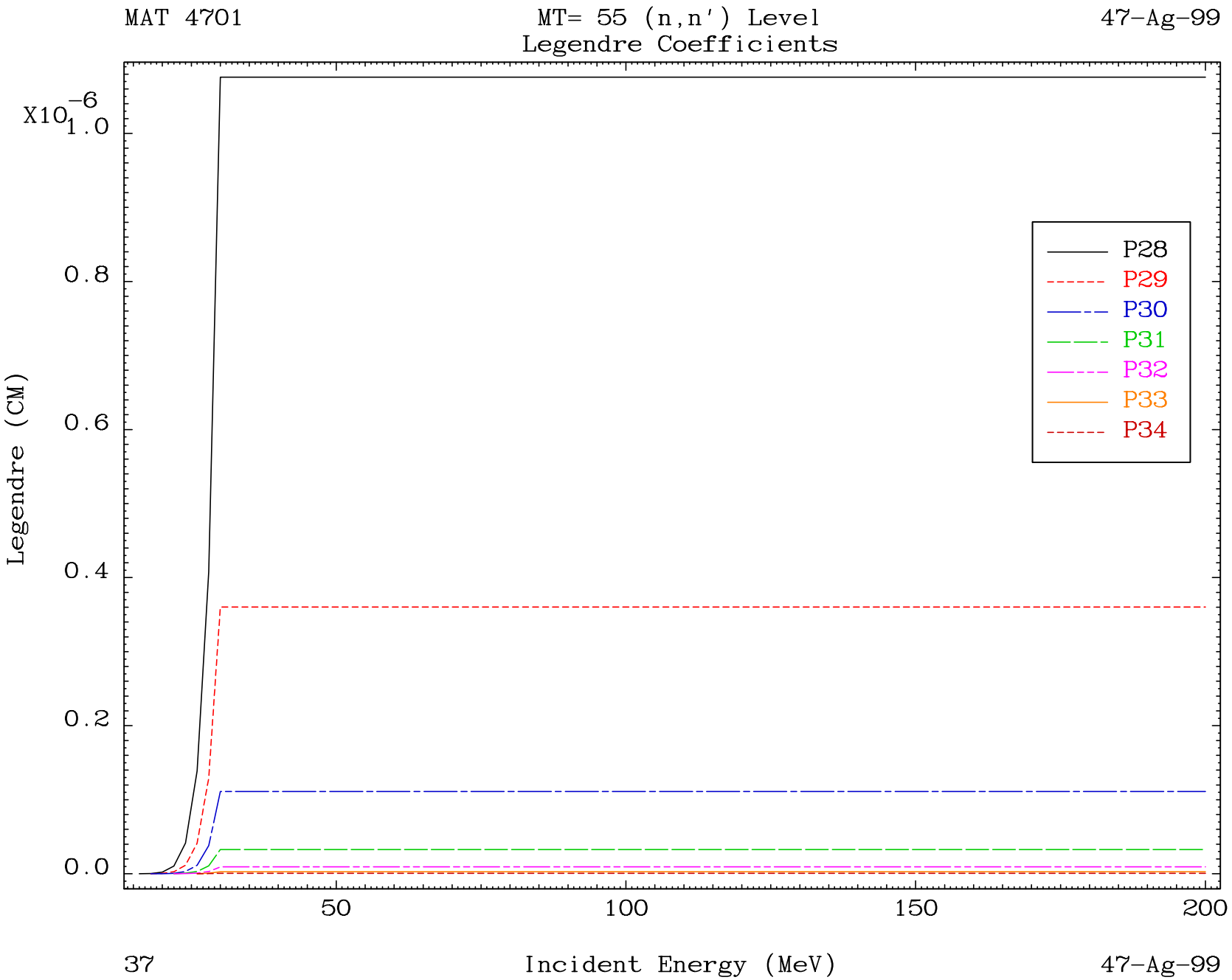

MAT 4701
MT= 54 (n,n') Level
Legendre Coefficients
47-Ag-99
0.004
0.003
0.002
0.001
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
32
Incident Energy (MeV)
47-Ag-99

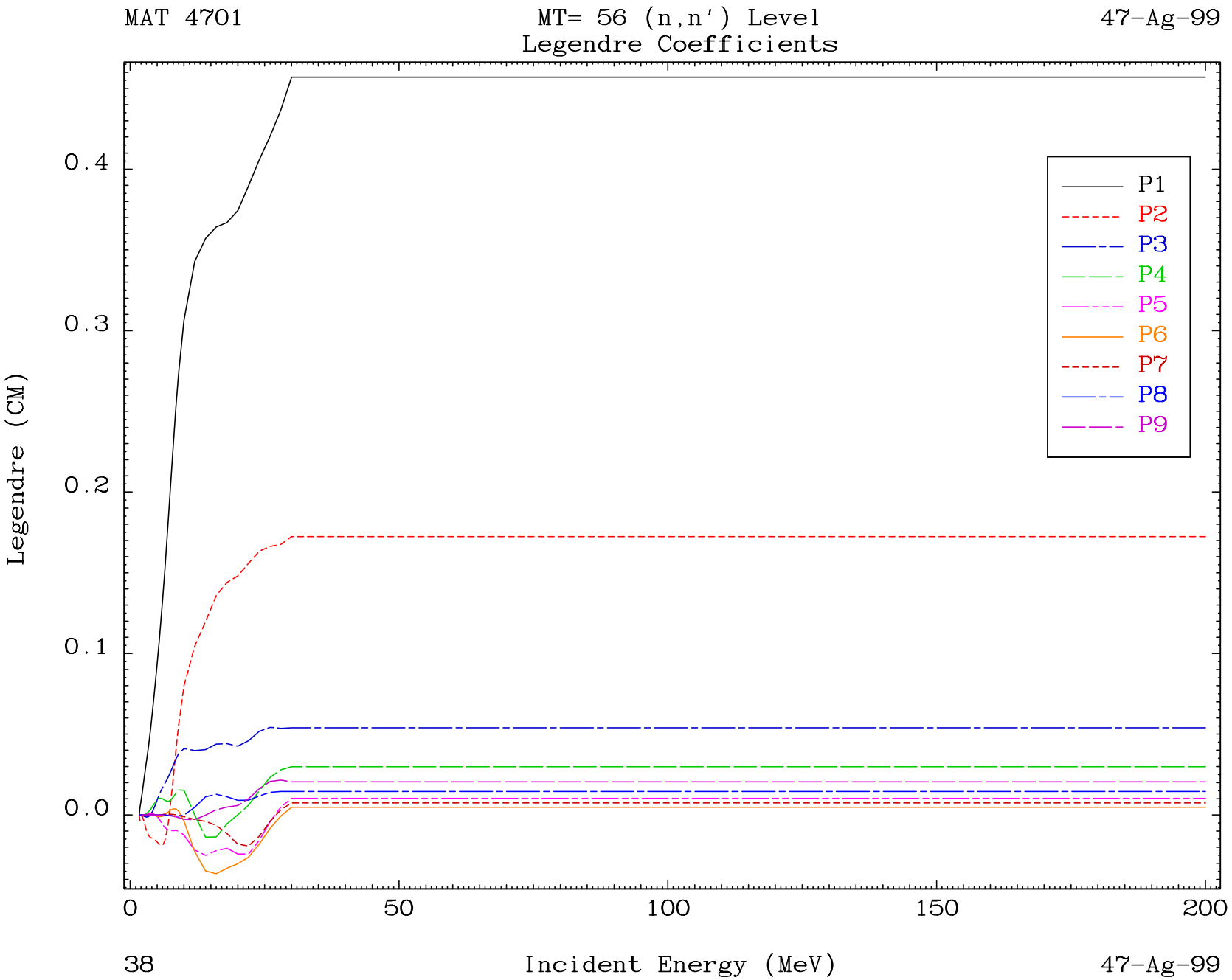

MAT 4701
MT= 54 (n,n') Level
Legendre Coefficients
47-Ag-99
X10^-6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
33
Incident Energy (MeV)
47-Ag-99

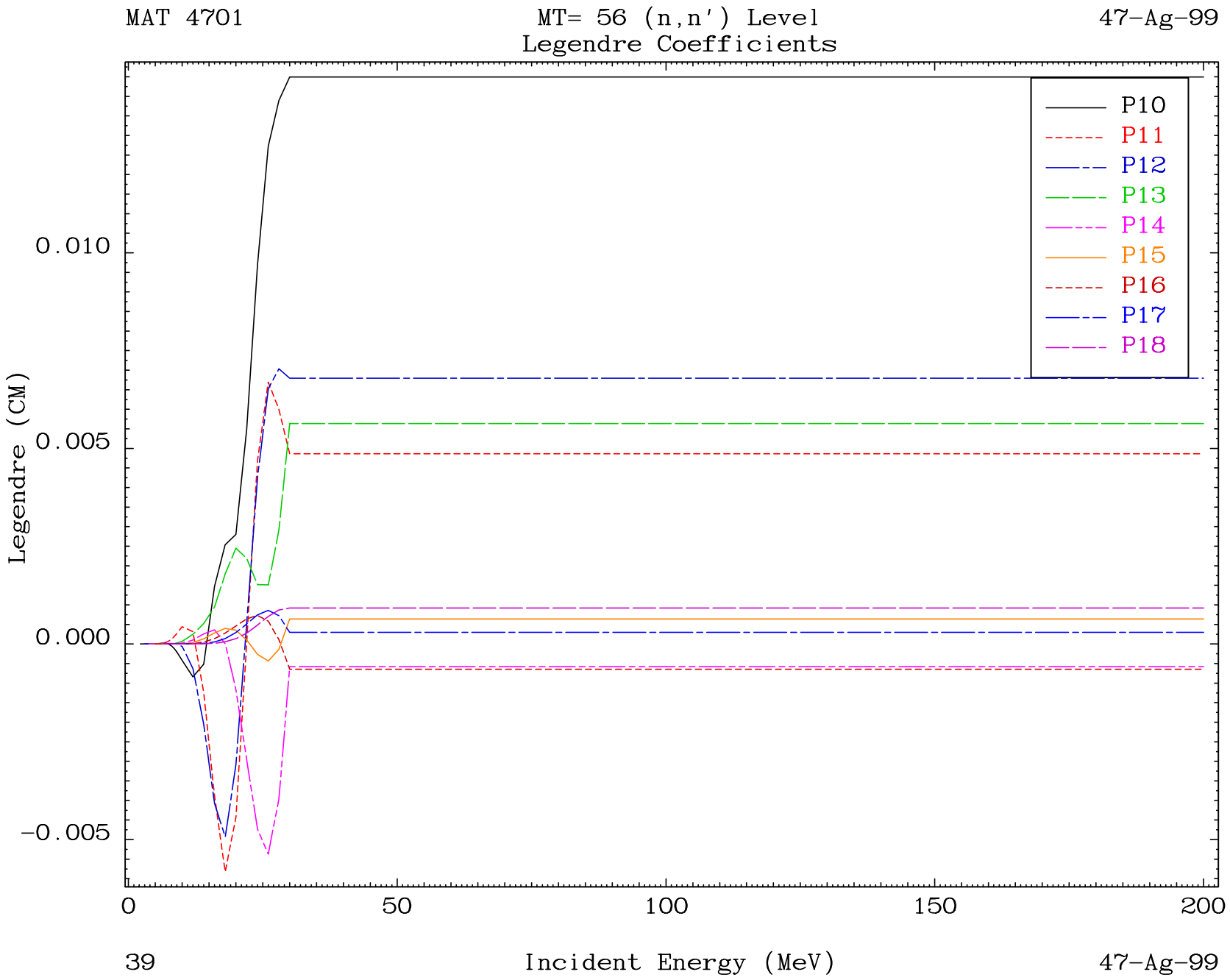

MAT 4701
MT= 55 (n,n') Level
Legendre Coefficients
47-Ag-99
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
34
Incident Energy (MeV)
47-Ag-99

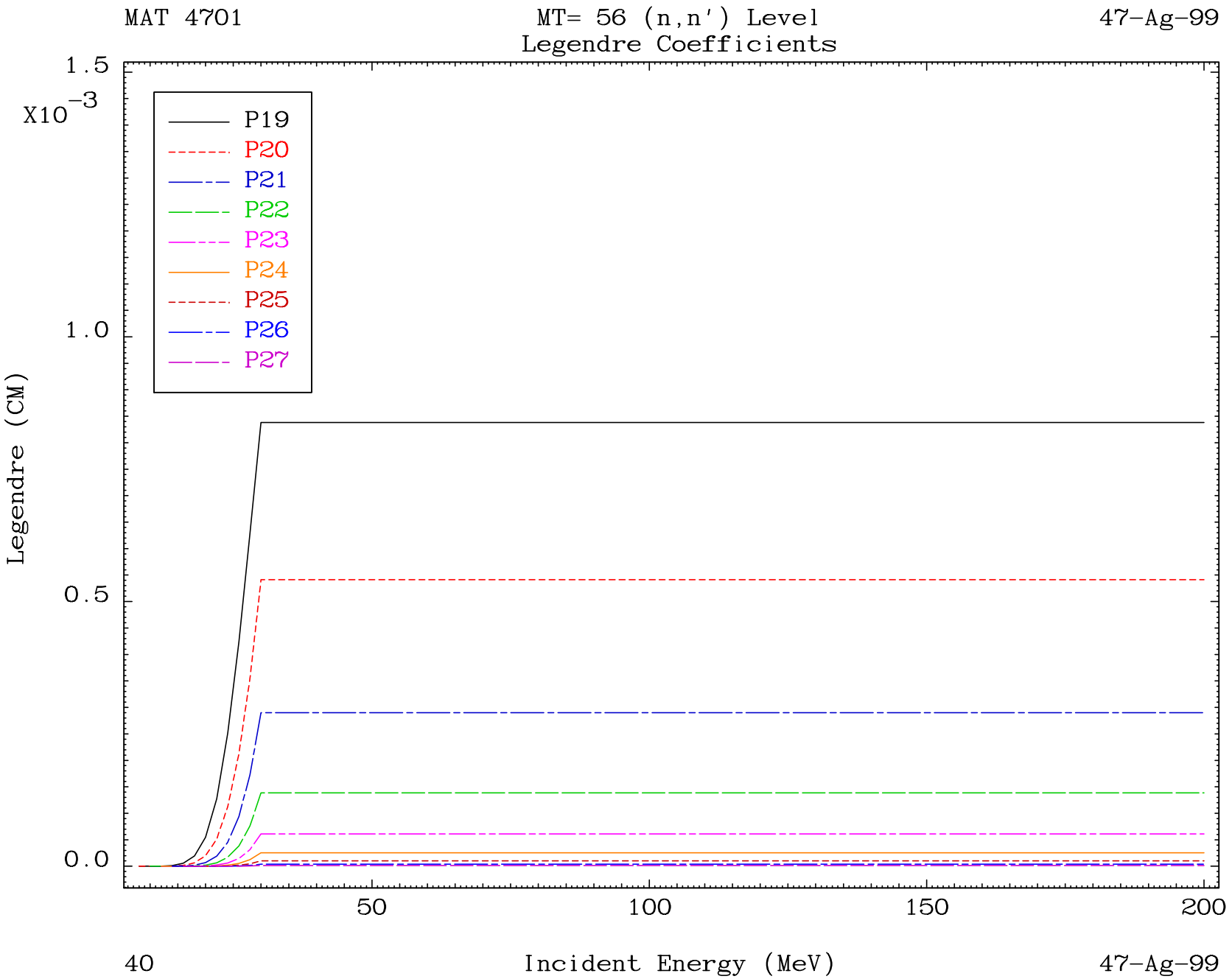

MAT 4701
MT= 55 (n,n') Level
Legendre Coefficients
47-Ag-99
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
35
Incident Energy (MeV)
47-Ag-99

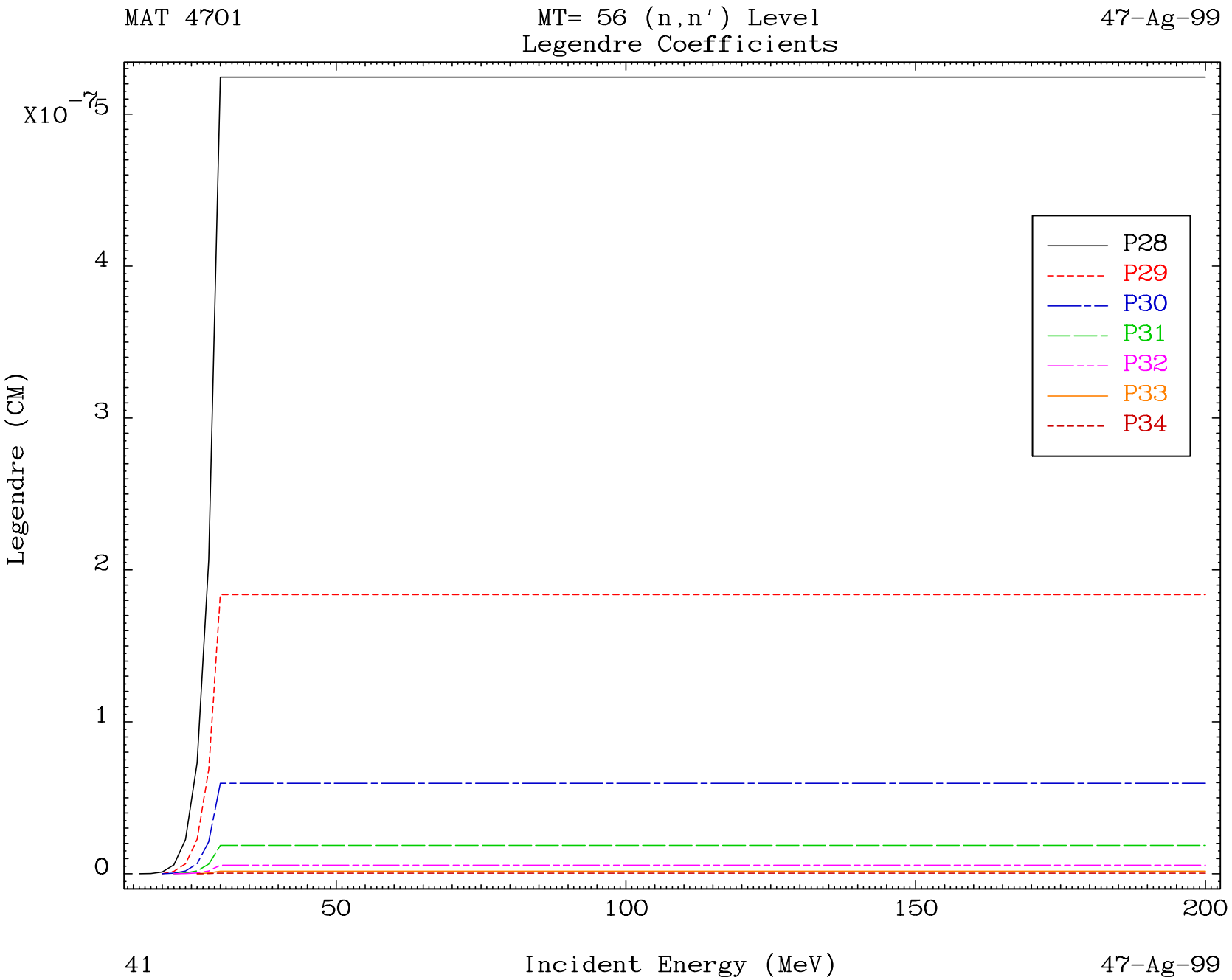

MAT 4701
MT= 55 (n,n') Level
Legendre Coefficients
47-Ag-99
0.004
0.003
0.002
0.001
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
36
Incident Energy (MeV)
47-Ag-99

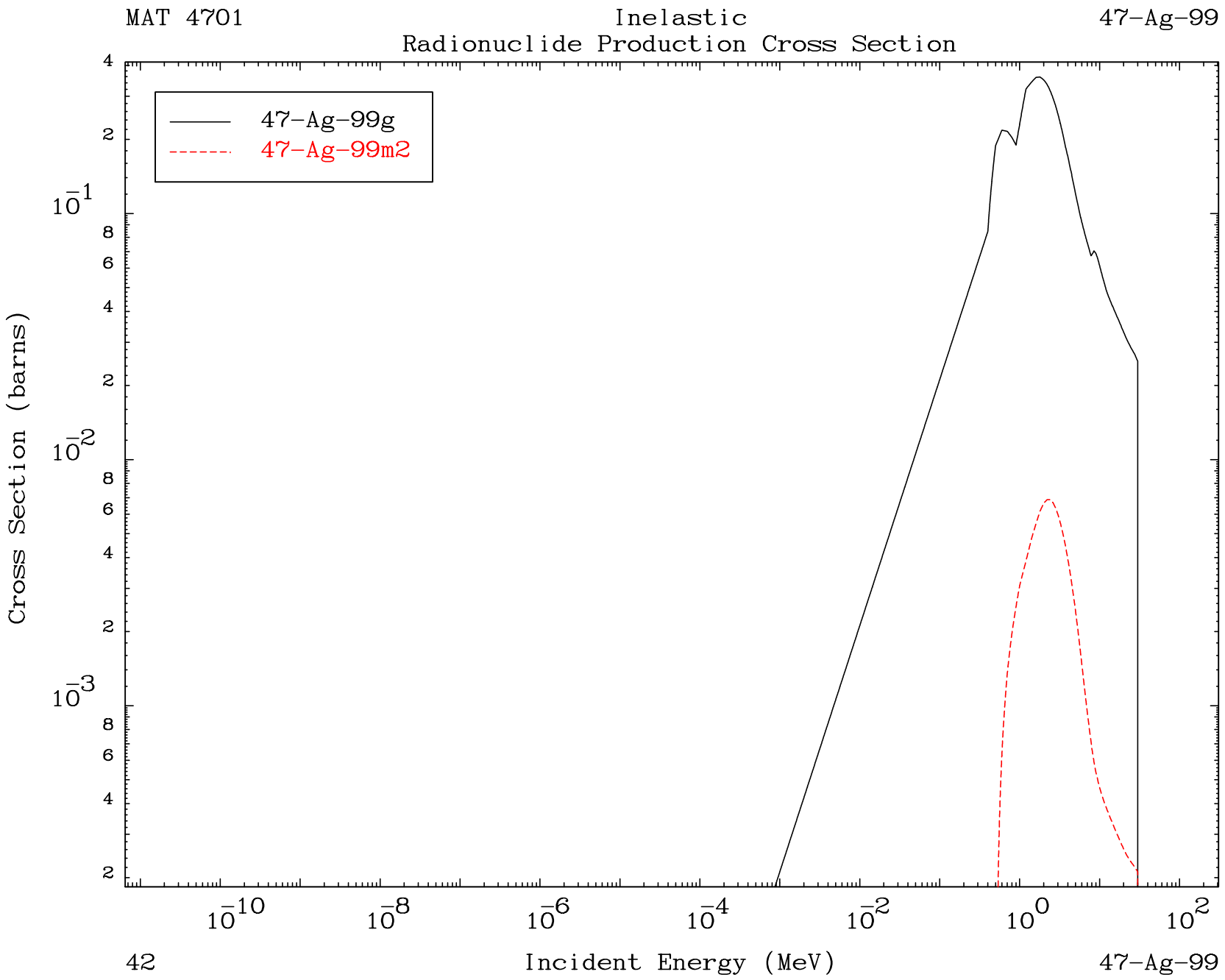

MAT 4701
MT= 55 (n,n') Level
Legendre Coefficients
47-Ag-99
X10^-6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
37
Incident Energy (MeV)
47-Ag-99

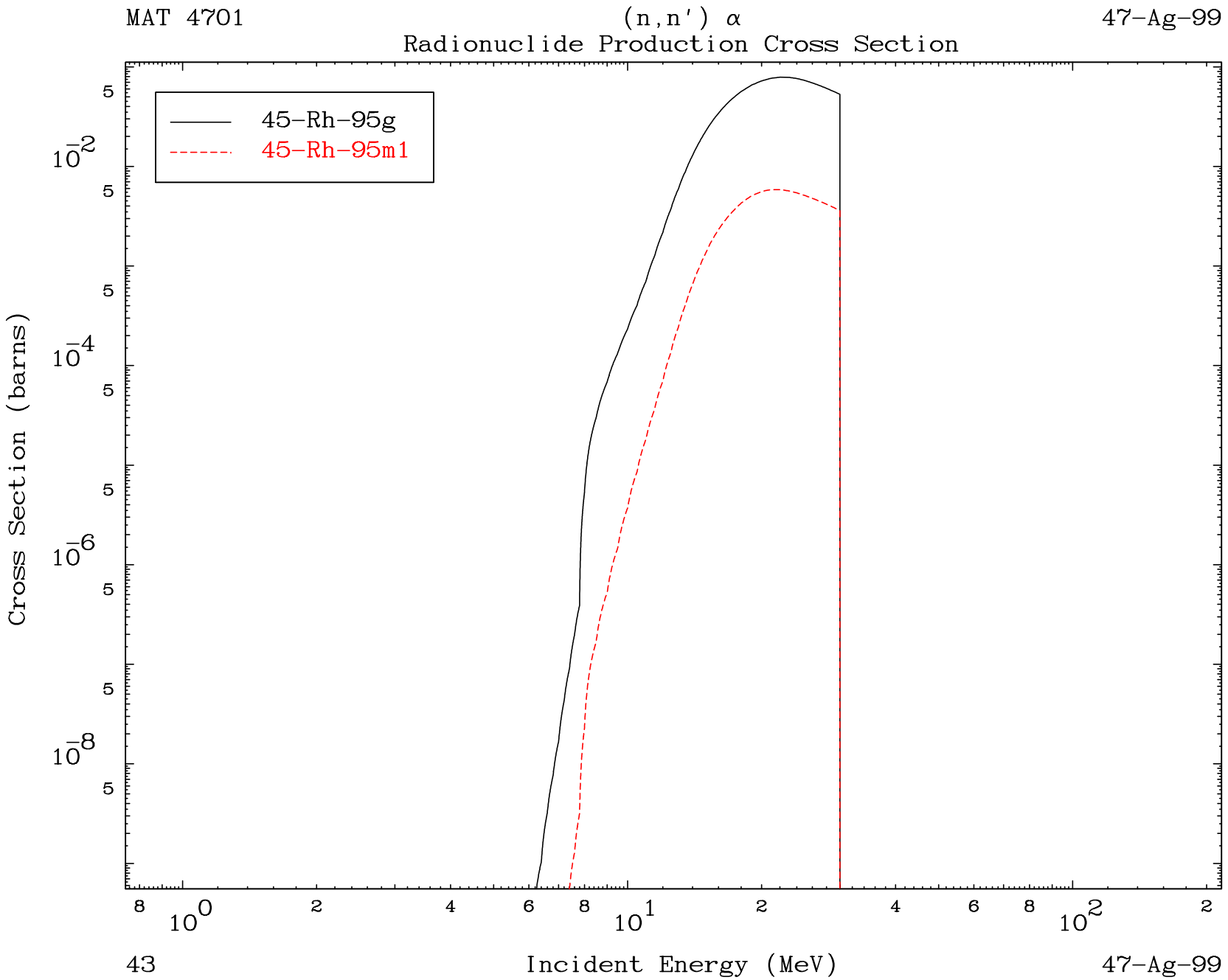

MAT 4701
MT= 56 (n,n') Level
Legendre Coefficients
47-Ag-99
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
38
Incident Energy (MeV)
47-Ag-99

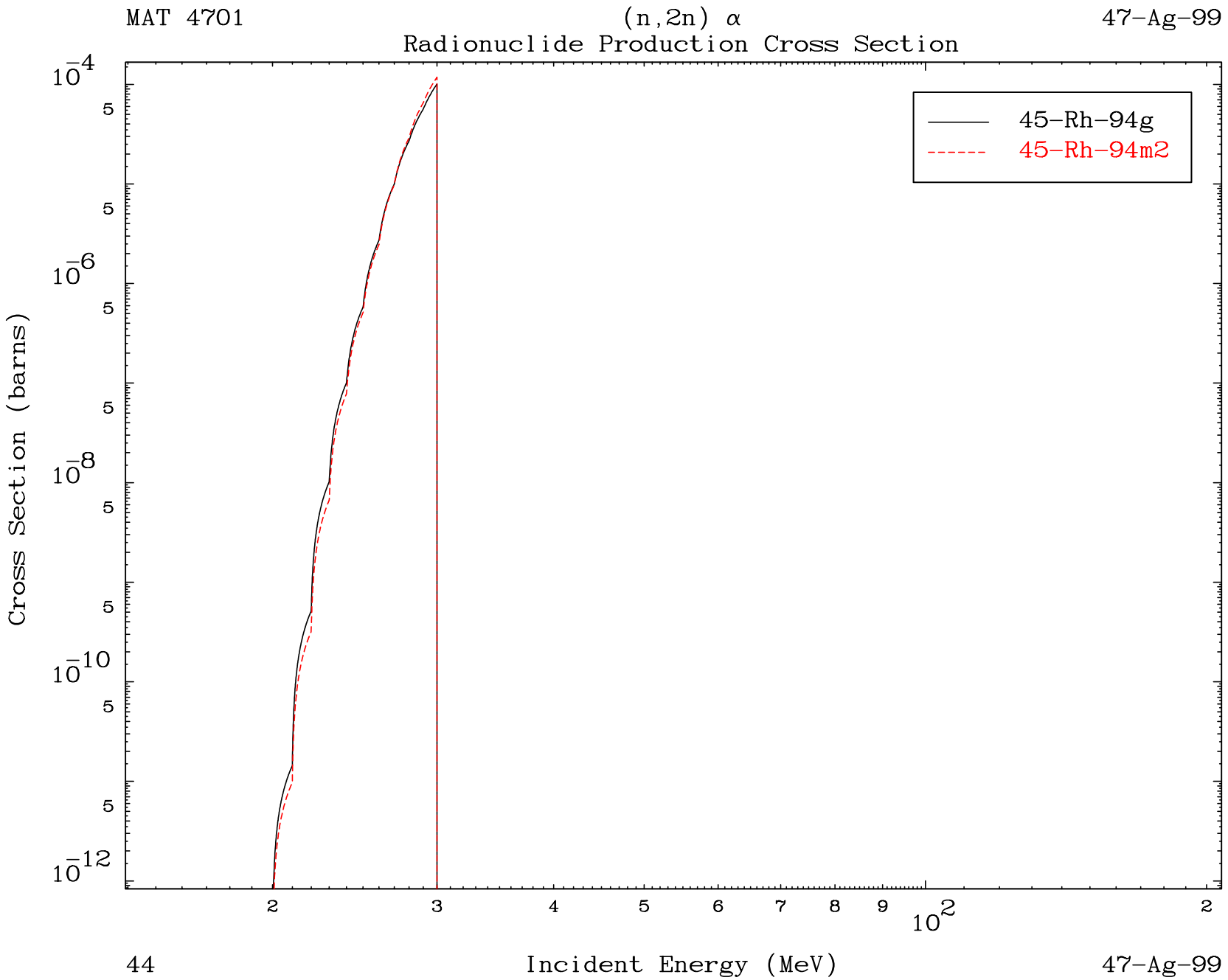

MAT 4701
MT= 56 (n,n') Level
Legendre Coefficients
47-Ag-99
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.010
0.005
0.000
-0.005
Legendre (CM)
0
50
100
150
200
39
Incident Energy (MeV)
47-Ag-99

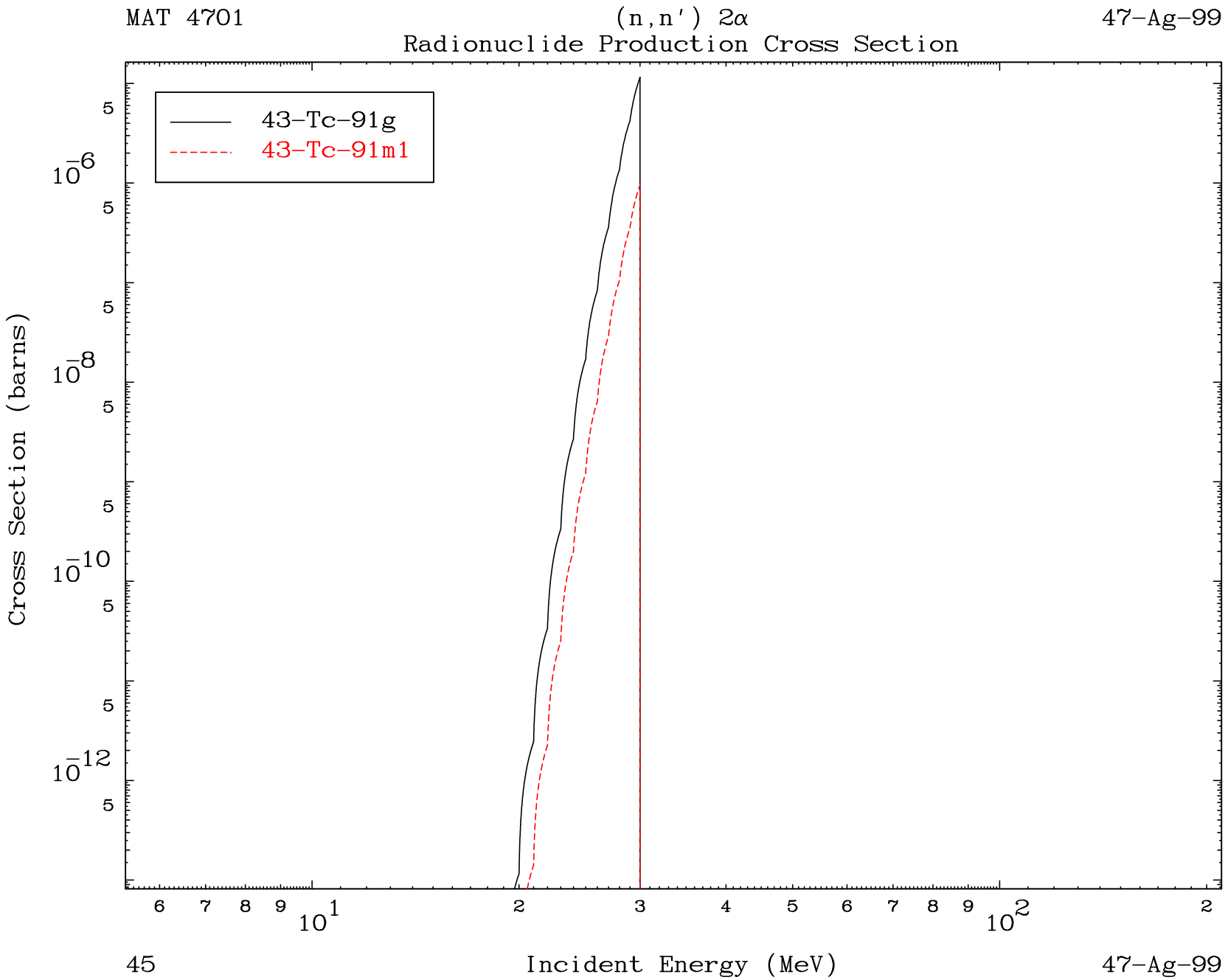

MAT 4701
MT= 56 (n,n') Level
Legendre Coefficients
47-Ag-99
1.5
X10-3
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
40
Incident Energy (MeV)
47-Ag-99

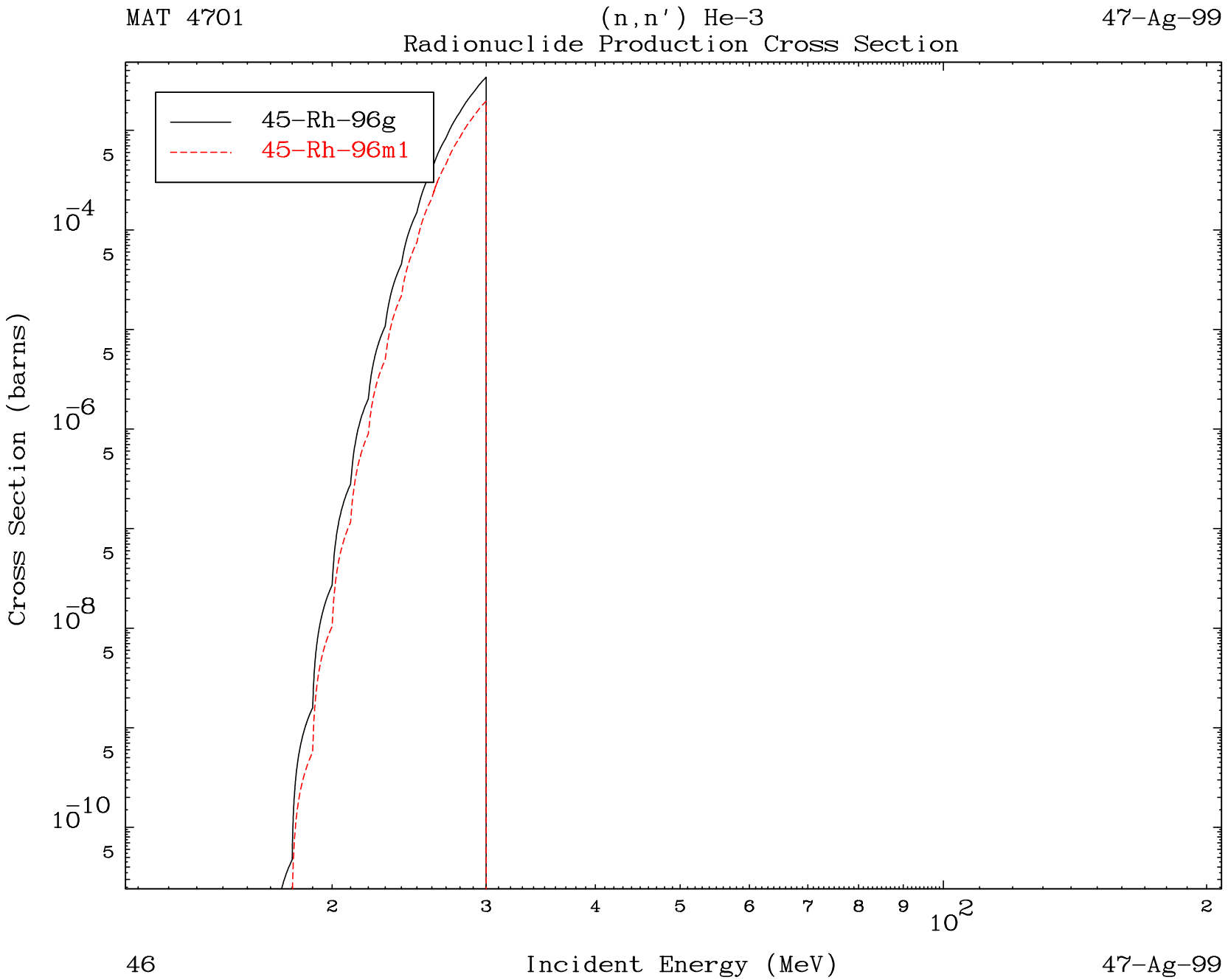

MAT 4701
MT= 56 (n,n') Level
Legendre Coefficients
47-Ag-99
X10^-7
5
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
41
Incident Energy (MeV)
47-Ag-99

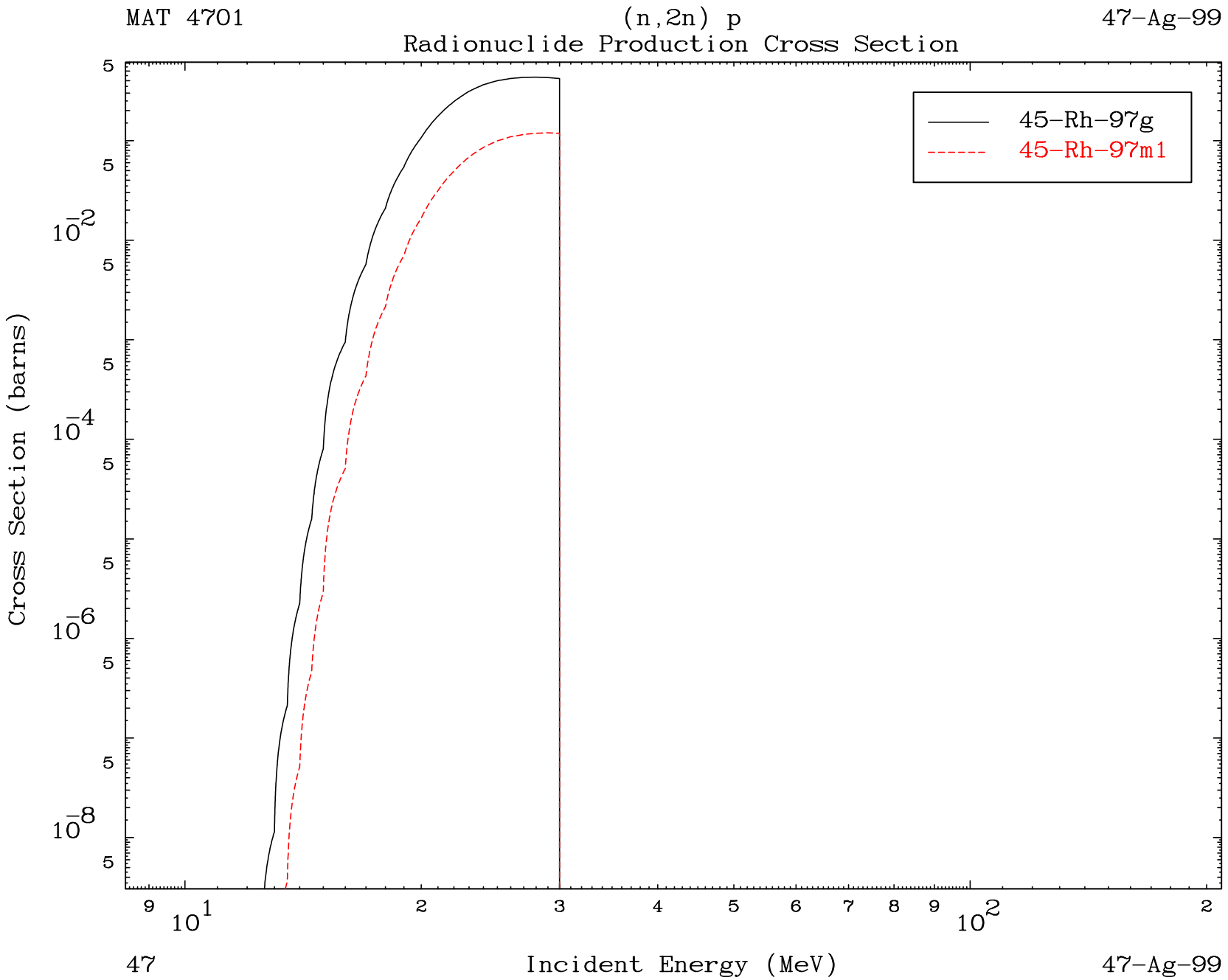

MAT 4701
Inelastic
47-Ag-99
Radionuclide Production Cross Section
47-Ag-99g
47-Ag-99m2
Cross Section (barns)
Incident Energy (MeV)
42
47-Ag-99

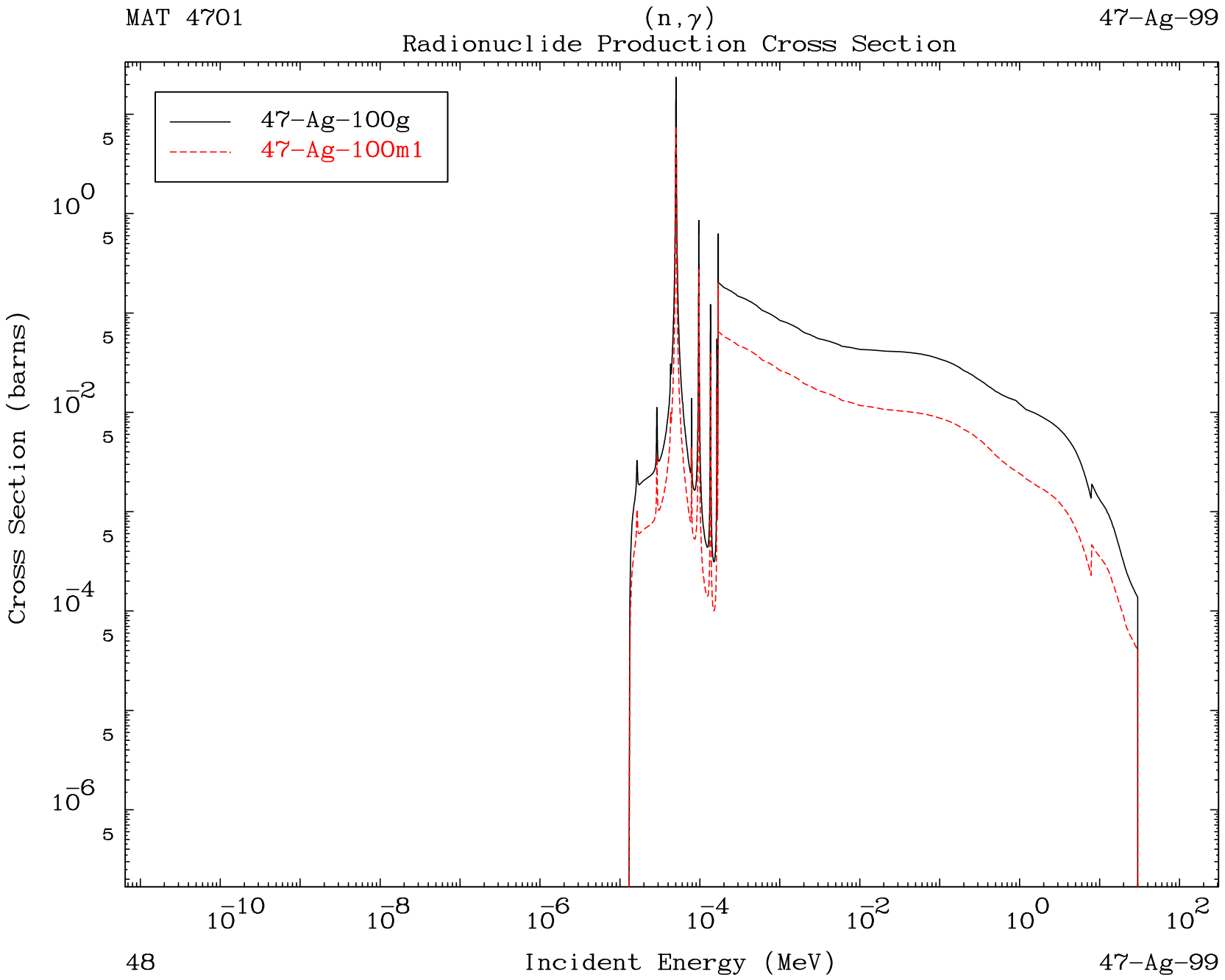

MAT 4701
(n,n') α
47-Ag-99
Radionuclide Production Cross Section
45-Rh-95g
45-Rh-95m1
Cross Section (barns)
Incident Energy (MeV)
43
47-Ag-99

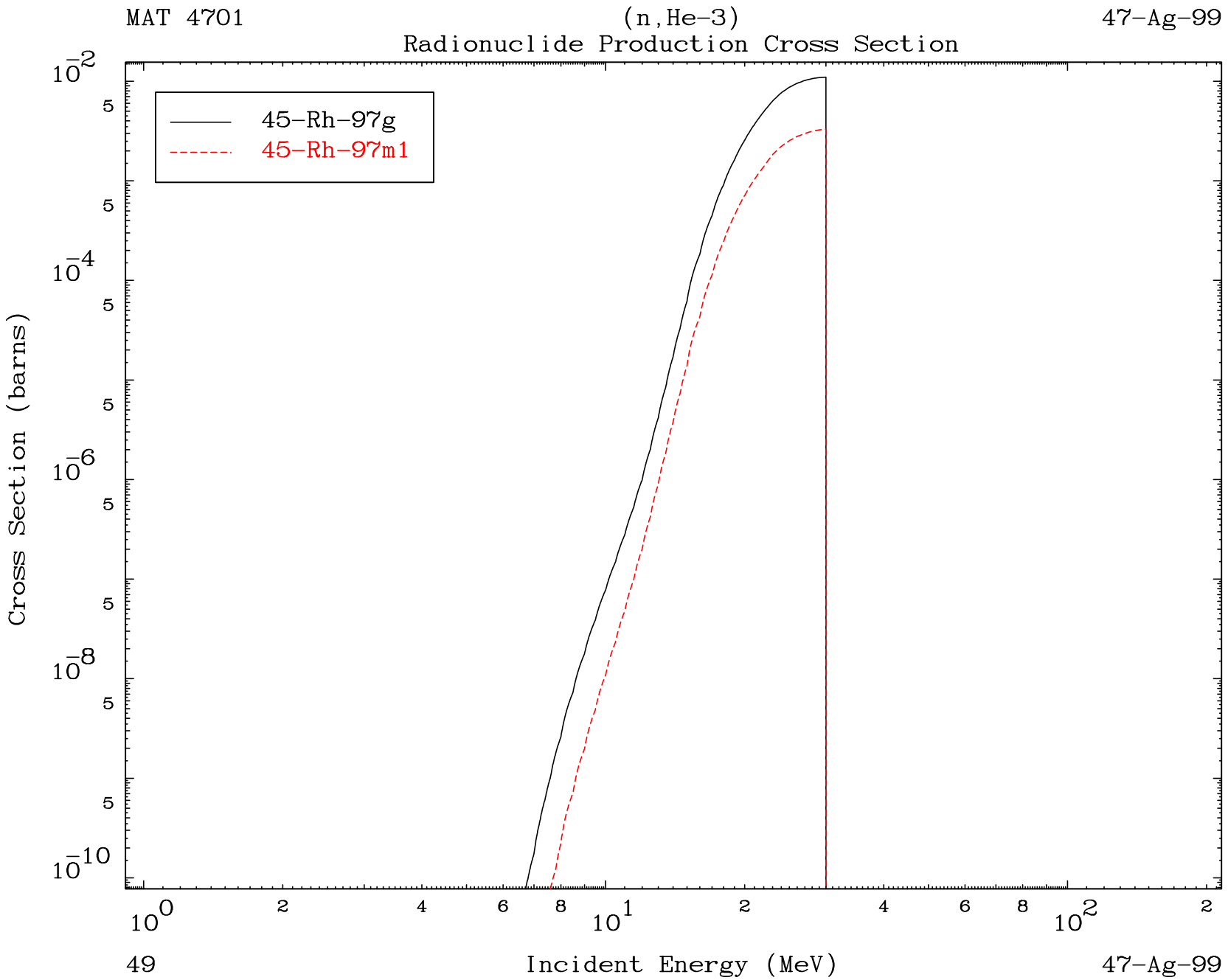

MAT 4701
(n,2n) α
47-Ag-99
Radionuclide Production Cross Section
45-Rh-94g
45-Rh-94m2
Cross Section (barns)
10-4
10-6
10-8
10-10
10-12
2
3
4
5
6
7
8
9
10 2
2
44
Incident Energy (MeV)
47-Ag-99

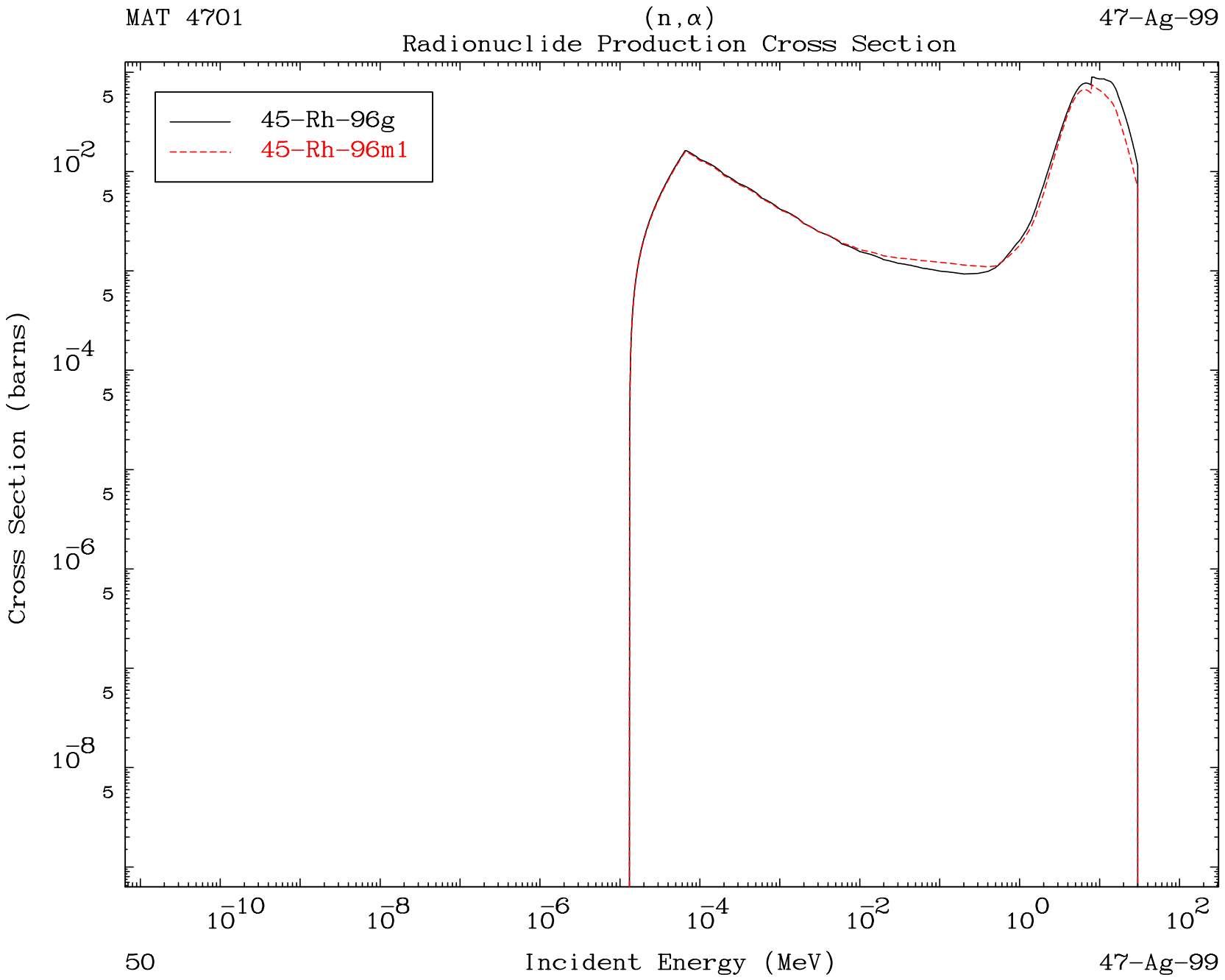

MAT 4701
(n,n') 2α
47-Ag-99
Radionuclide Production Cross Section
43-Tc-91g
43-Tc-91m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
45
Incident Energy (MeV)
47-Ag-99

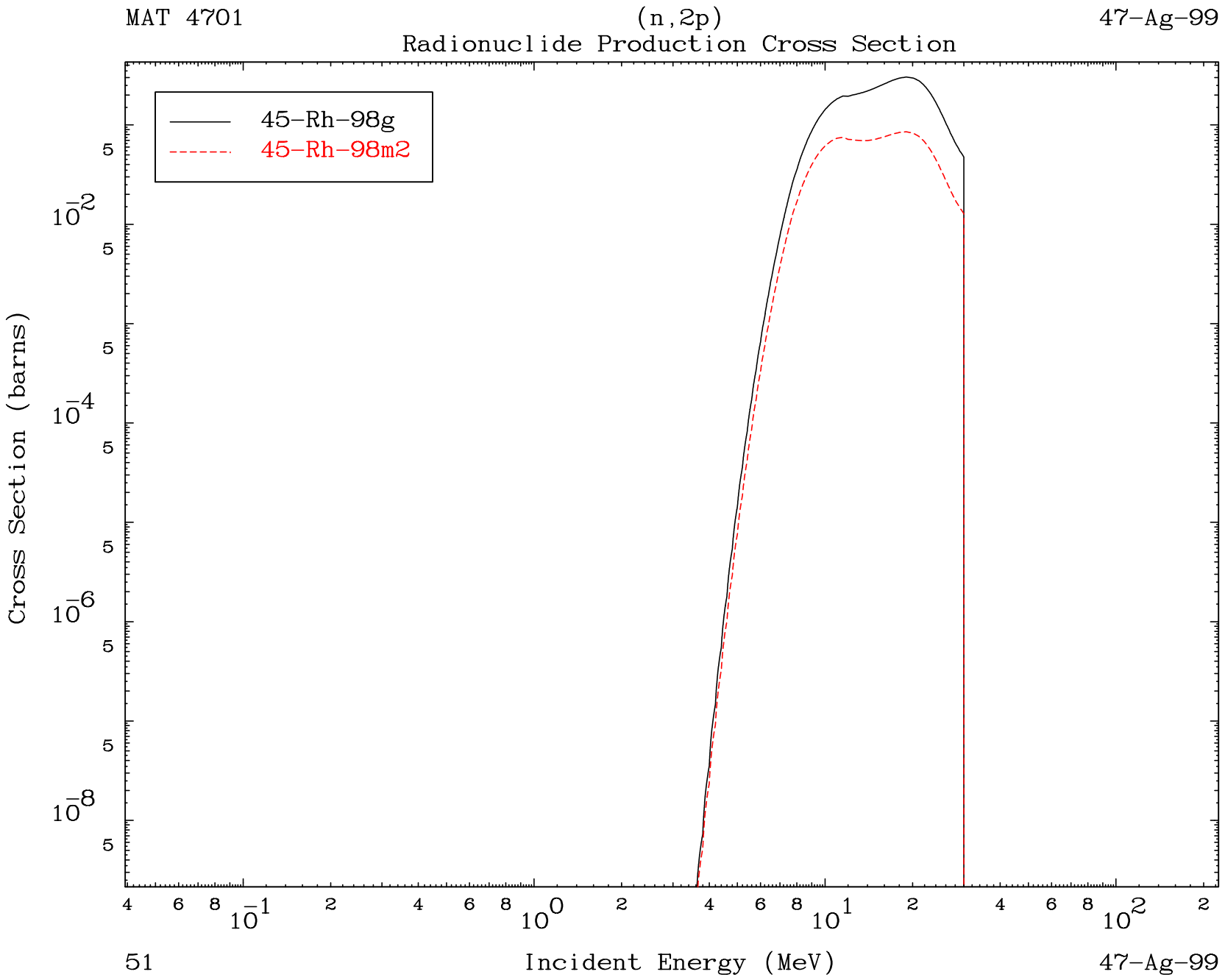

MAT 4701
(n,n') He-3
47-Ag-99
Radionuclide Production Cross Section
45-Rh-96g
45-Rh-96m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
46
Incident Energy (MeV)
47-Ag-99

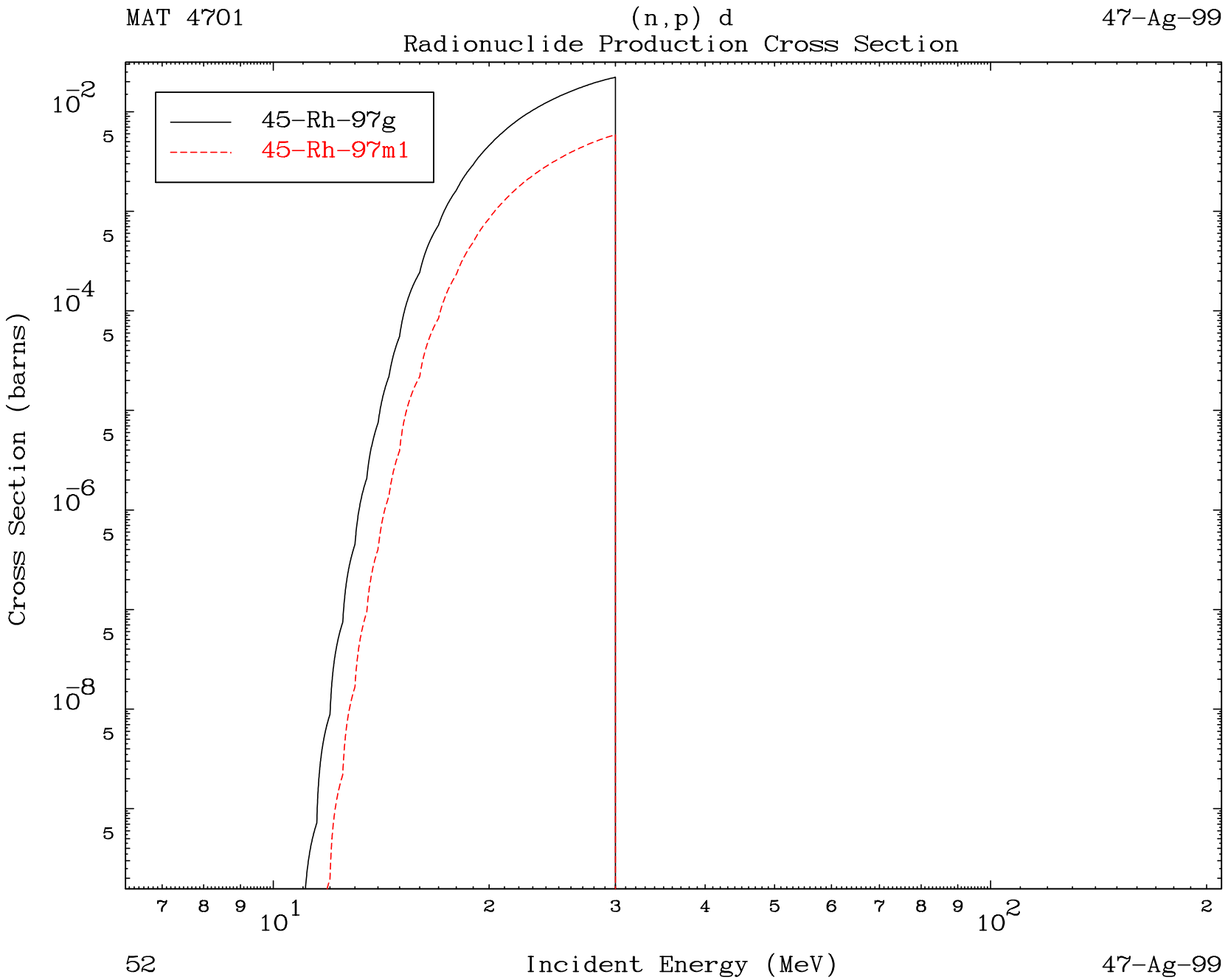

MAT 4701
(n,2n) p
47-Ag-99
Radionuclide Production Cross Section
45-Rh-97g
45-Rh-97m1
Cross Section (barns)
Incident Energy (MeV)
47
47-Ag-99

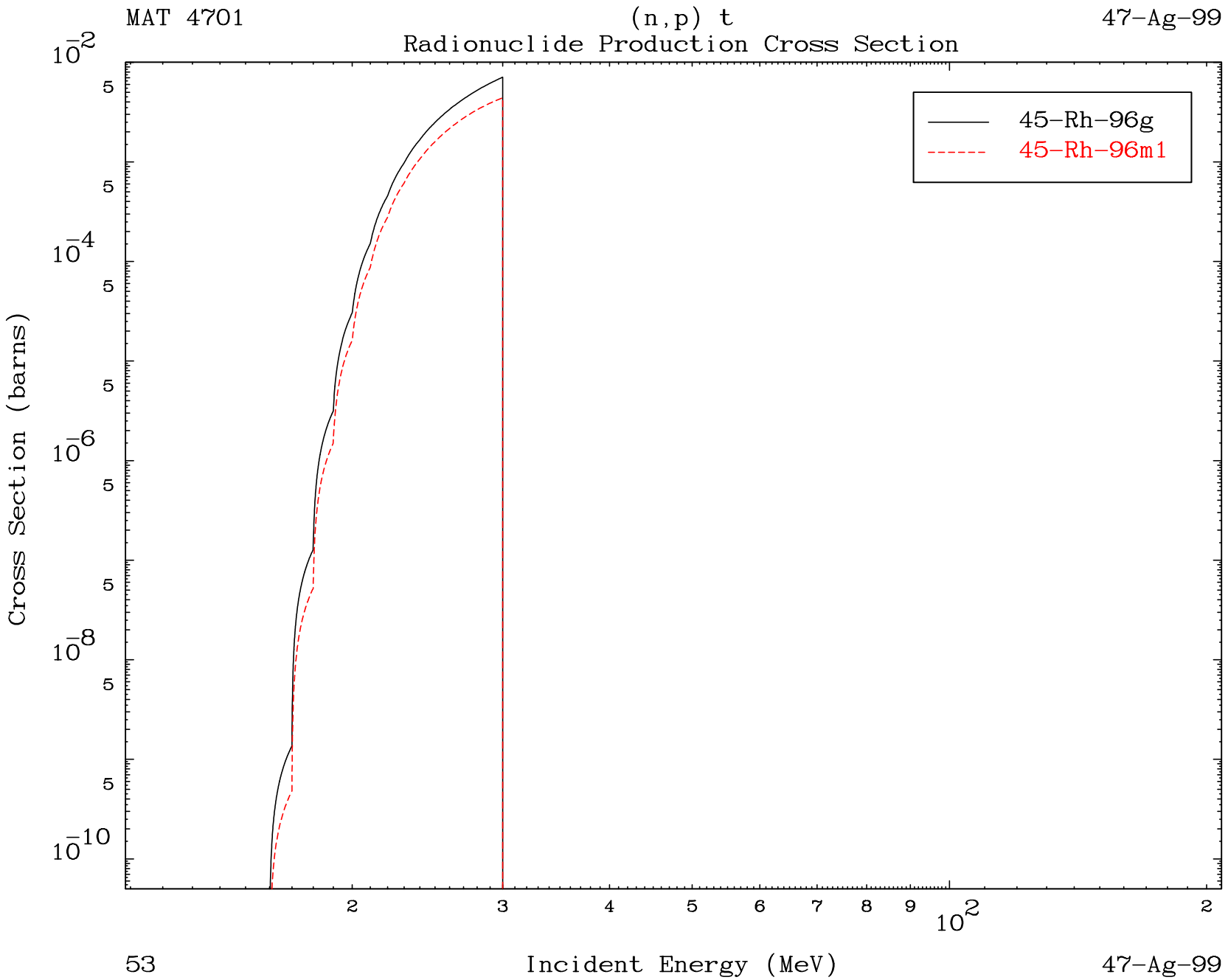

MAT 4701
(n,γ)
47-Ag-99
Radionuclide Production Cross Section
47-Ag-100g
47-Ag-100m1
Cross Section (barns)
Incident Energy (MeV)
48
47-Ag-99


MAT 4701
(n,He-3)
47-Ag-99
Radionuclide Production Cross Section
45-Rh-97g
45-Rh-97m1
Cross Section (barns)
Incident Energy (MeV)
49
47-Ag-99


MAT 4701
(n,α)
47-Ag-99
Radionuclide Production Cross Section
45-Rh-96g
45-Rh-96m1
Cross Section (barns)
Incident Energy (MeV)
50
47-Ag-99


MAT 4701
(n,2p)
47-Ag-99
Radionuclide Production Cross Section
45-Rh-98g
45-Rh-98m2
Cross Section (barns)
Incident Energy (MeV)
51
47-Ag-99


MAT 4701
(n,p) d
47-Ag-99
Radionuclide Production Cross Section
45-Rh-97g
45-Rh-97m1
Cross Section (barns)
Incident Energy (MeV)
52
47-Ag-99


MAT 4701
(n,p) t
47-Ag-99
Radionuclide Production Cross Section
45-Rh-96g
45-Rh-96m1
Cross Section (barns)
Incident Energy (MeV)
53
47-Ag-99