

Program EVALPLOT
(Version 2018-1)

by

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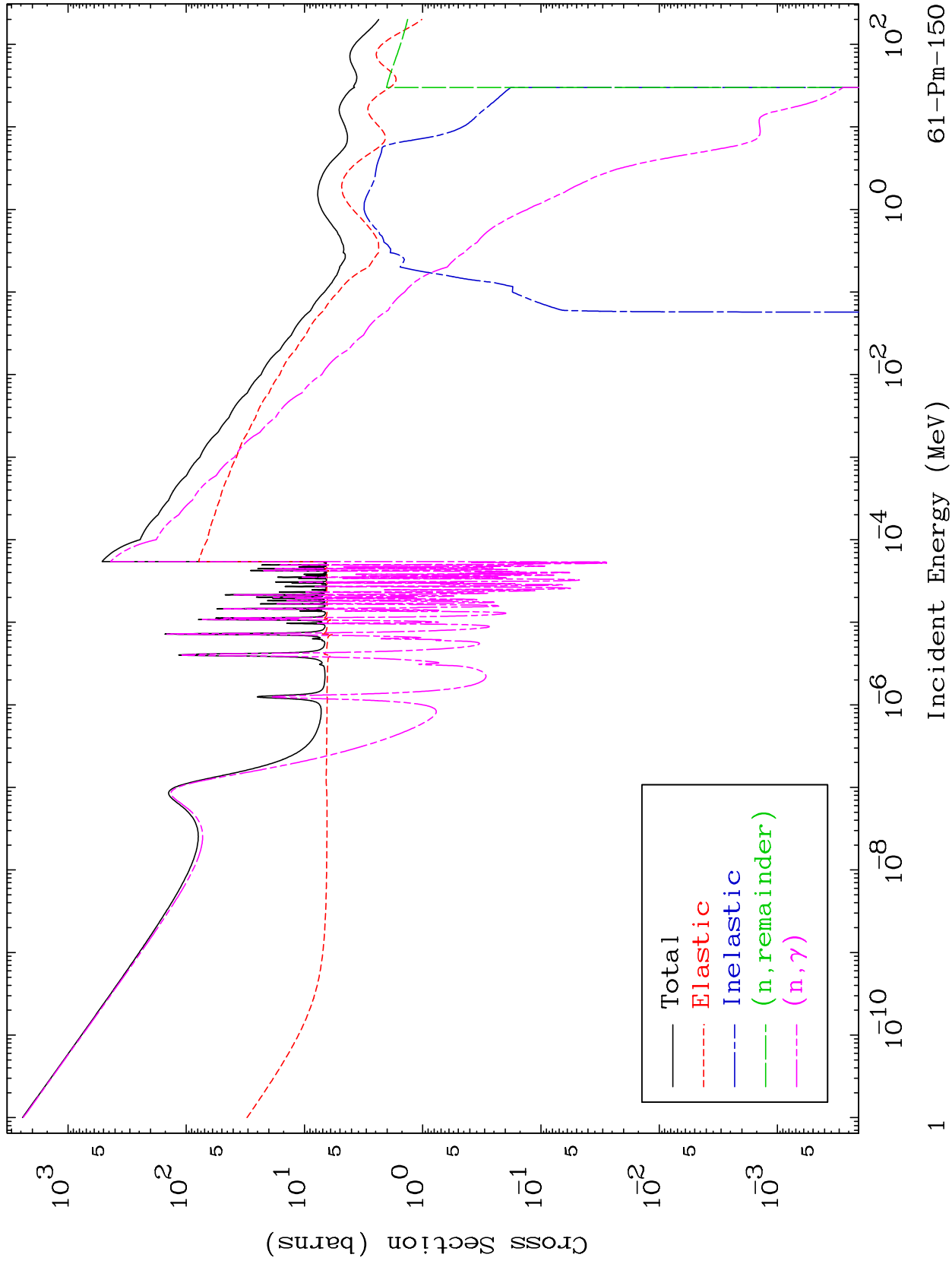
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6158

Major
293 Kelvin Cross Sections

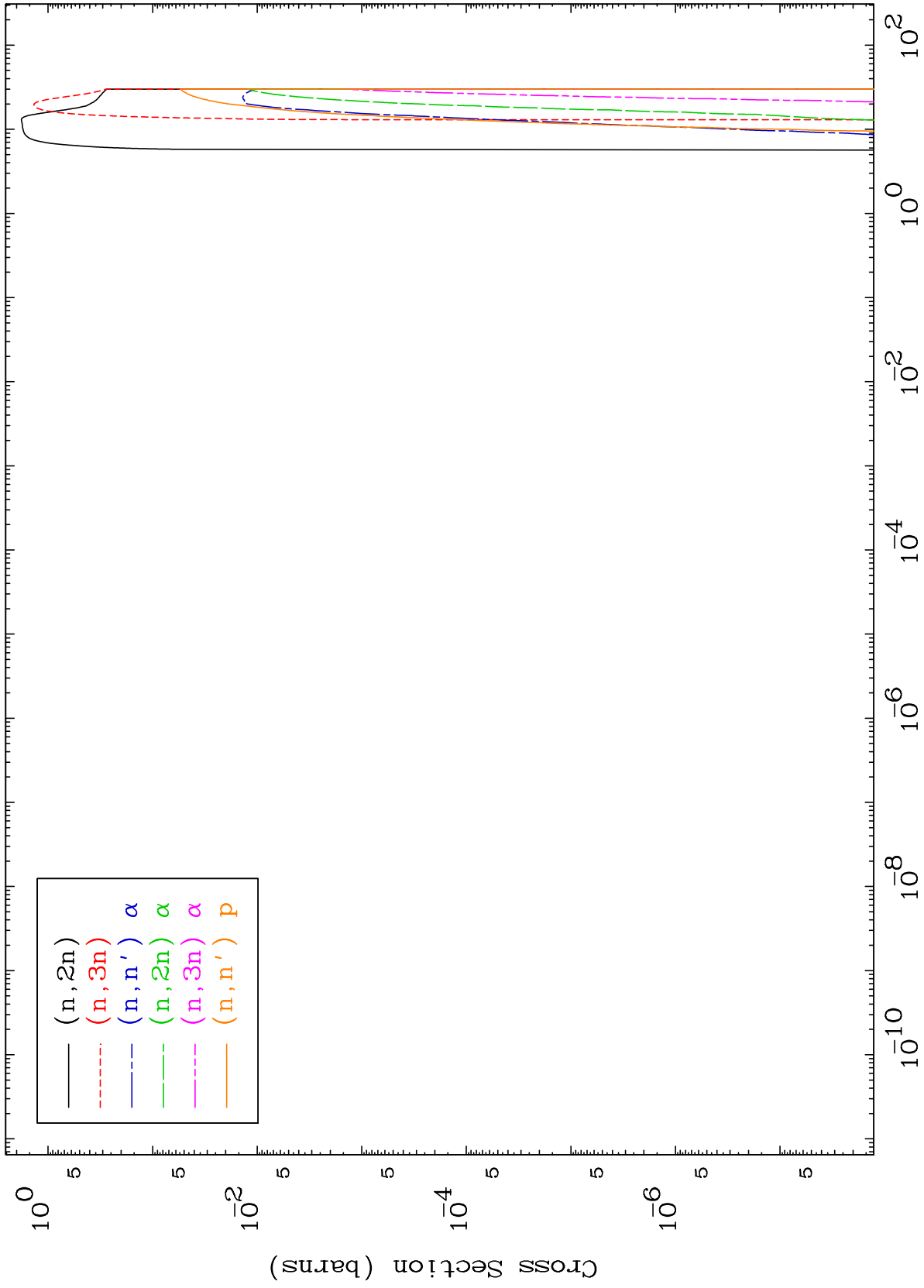
61-Pm-150



MAT 6158

Neutron Production
293 Kelvin Cross Sections

61-Pm-150



2

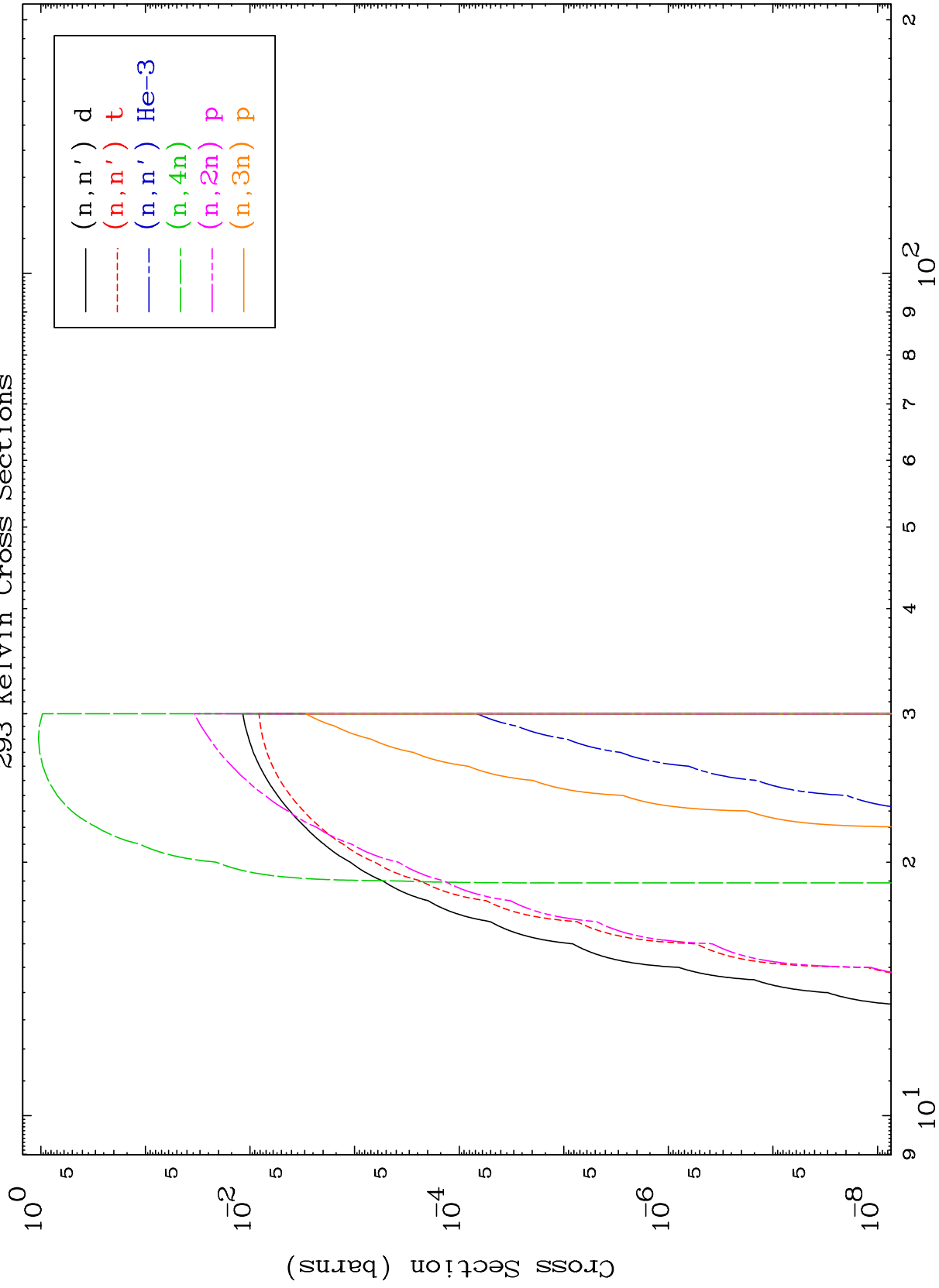
Incident Energy (MeV)

61-Pm-150

MAT 6158

Neutron Production
293 Kelvin Cross Sections

61-Pm-150



3

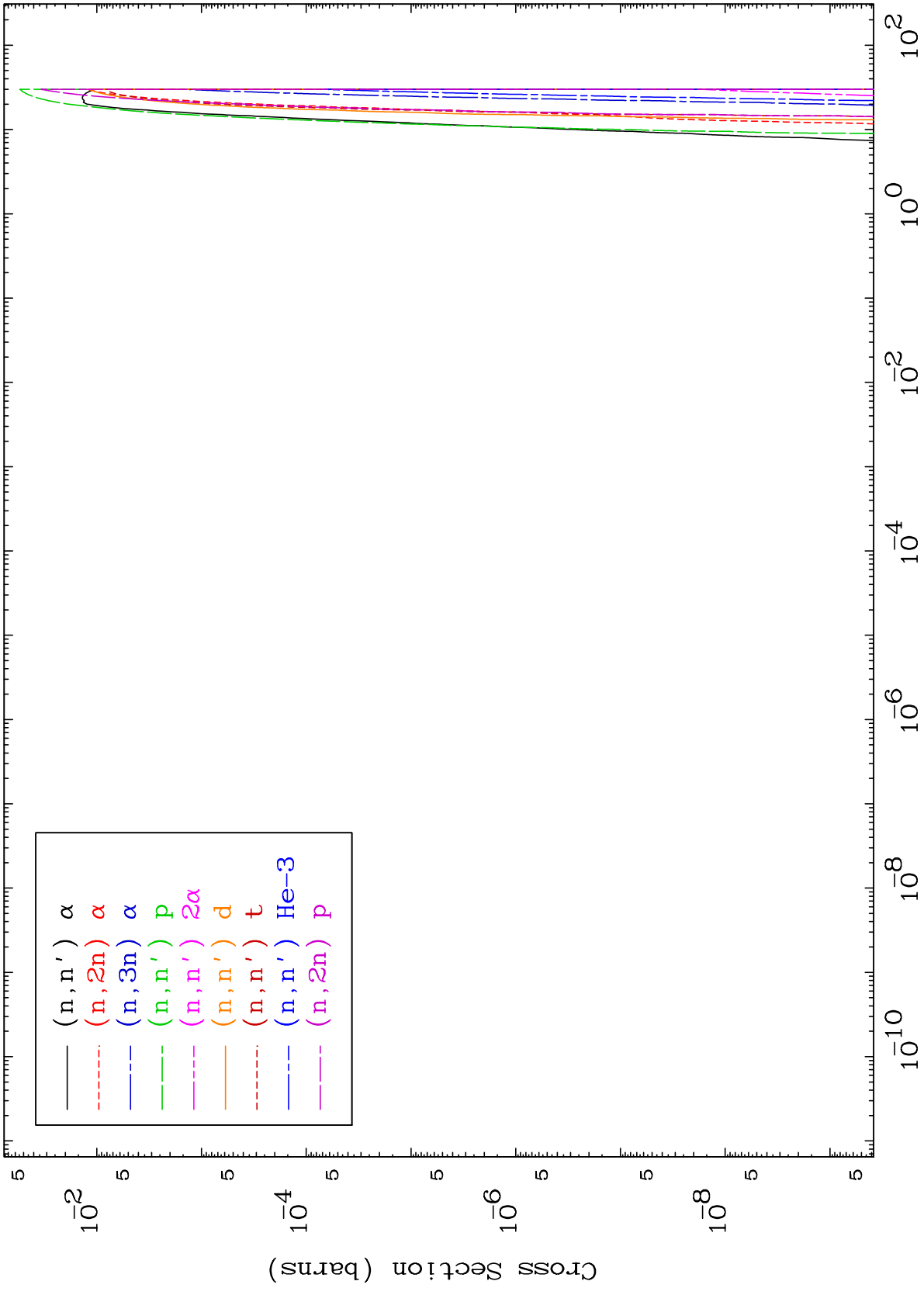
Incident Energy (MeV)

61-Pm-150

MAT 6158

293 Kelvin Cross Sections

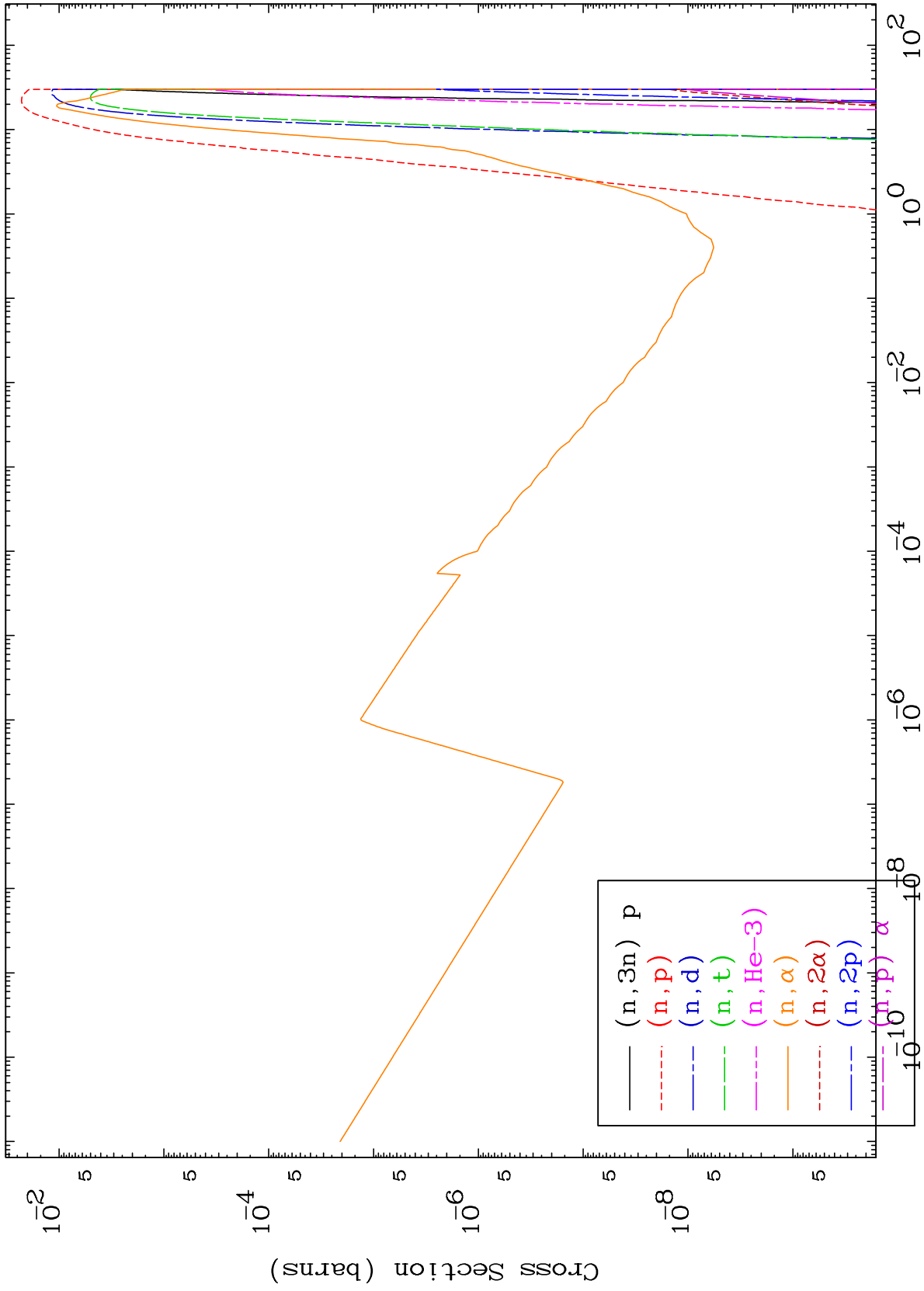
61-Pm-150



MAT 6158

Charged Particle
293 Kelvin Cross Sections

61-Pm-150



5

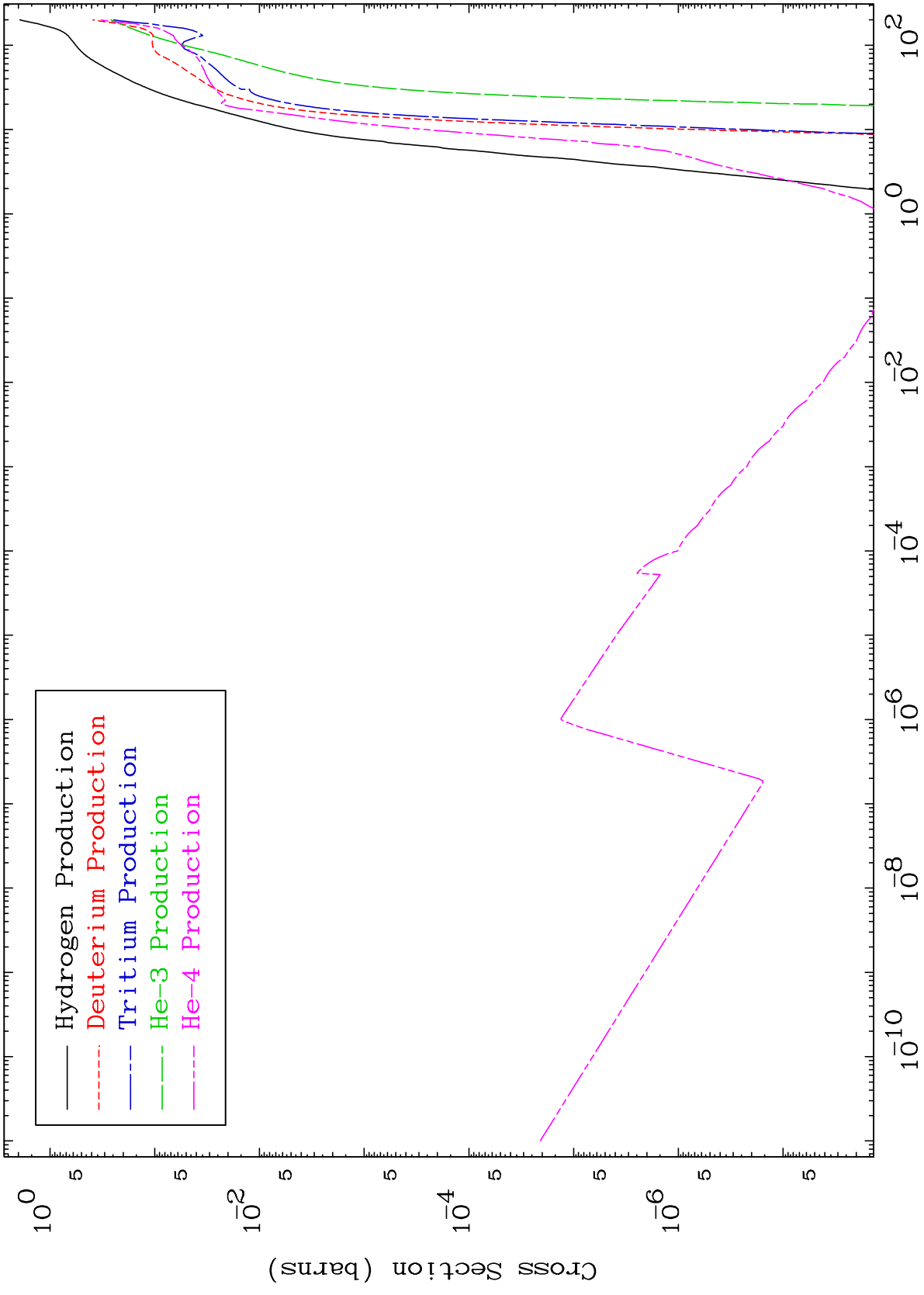
Incident Energy (MeV)

61-Pm-150

MAT 6158

Particle Production
293 Kelvin Cross Sections

61-Pm-150



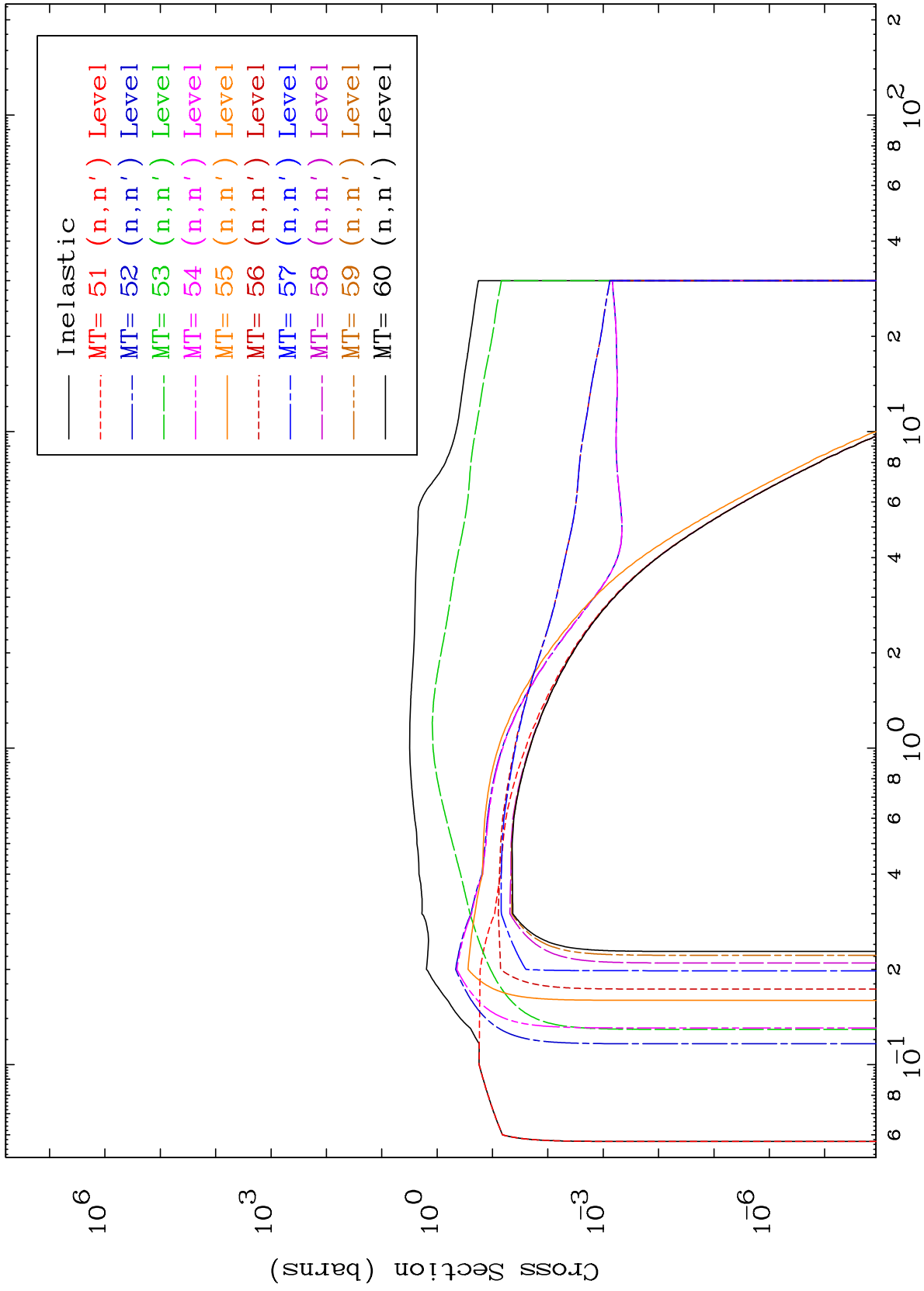
61-Pm-150

MAT 6158

(n,n') Level

61-Pm-150

293 Kelvin Cross Sections



7

Incident Energy (MeV)

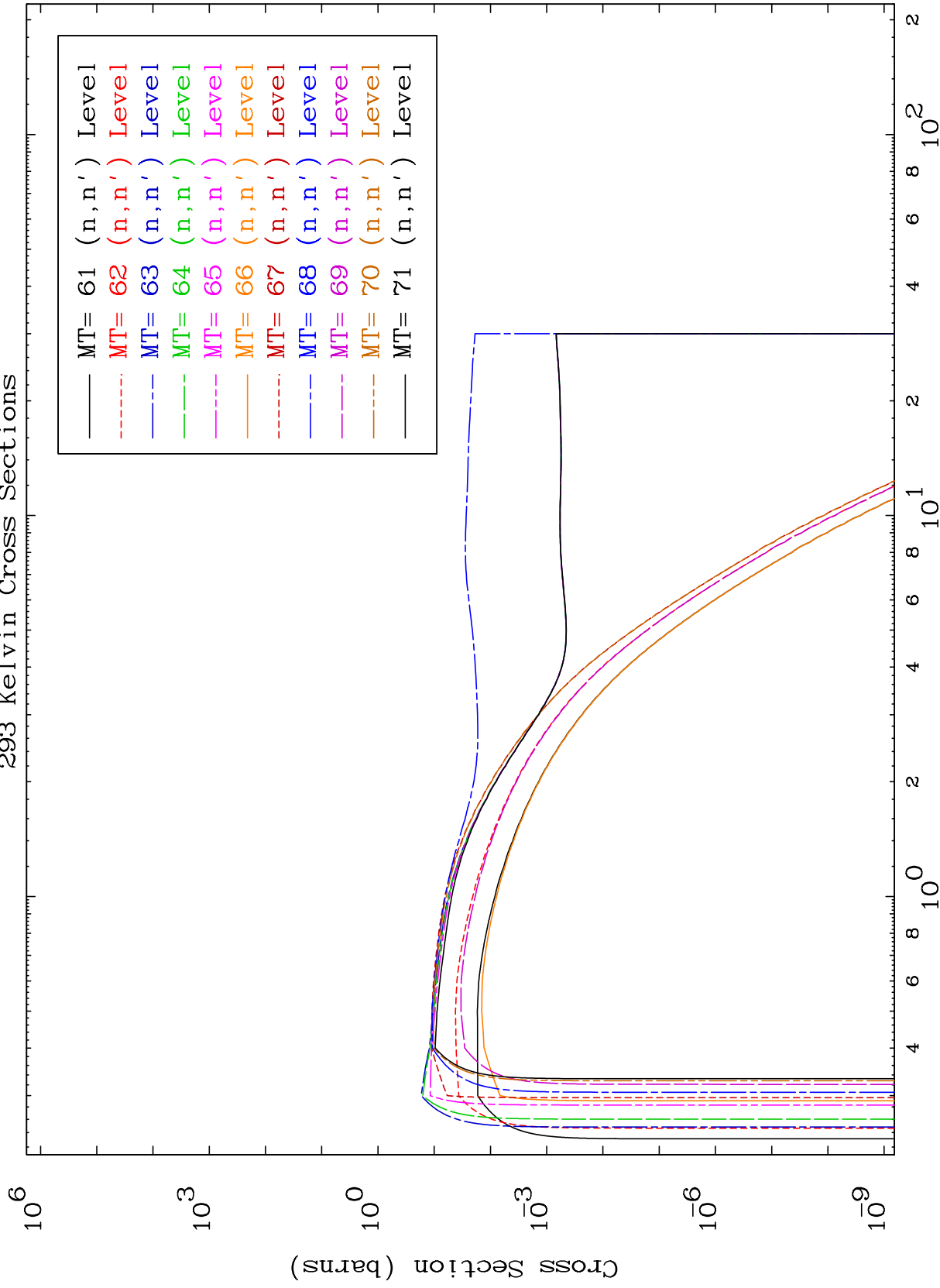
61-Pm-150

MAT 6158

(n,n') Level

61-Pm-150

293 Kelvin Cross Sections



8

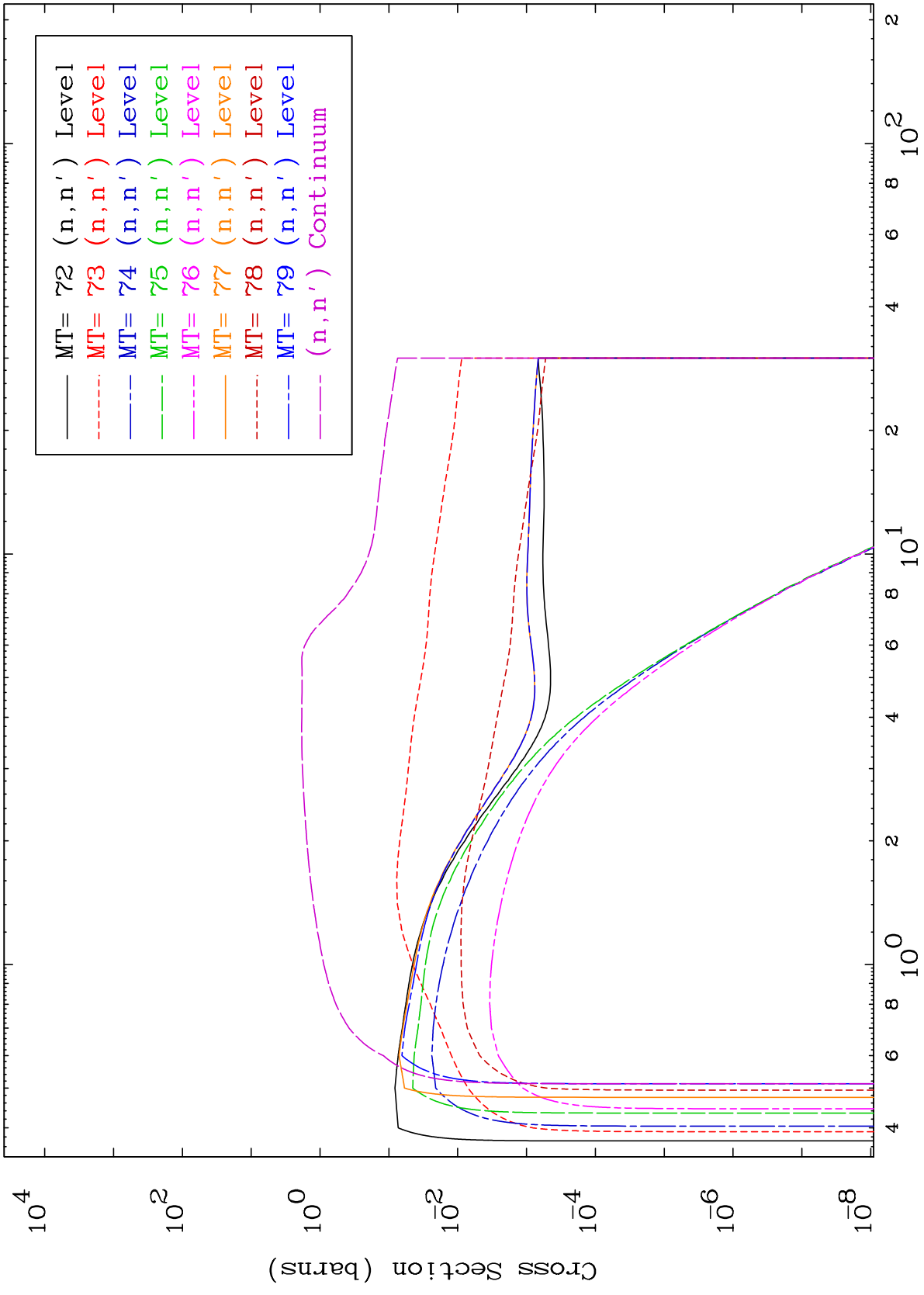
Incident Energy (MeV)

61-Pm-150

MAT 6158

(n,n') Level
293 Kelvin Cross Sections

61-Pm-150



9

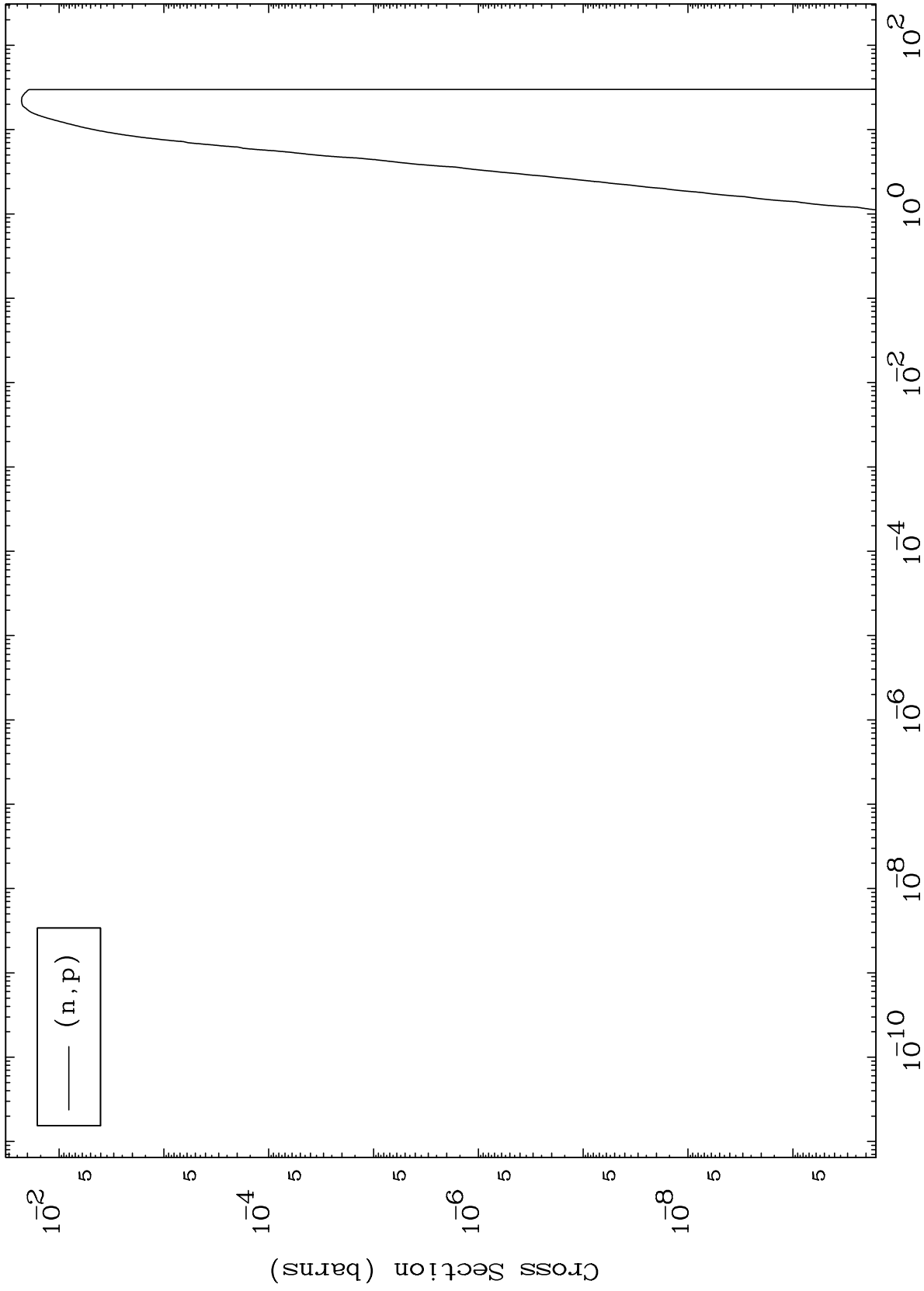
Incident Energy (MeV)

61-Pm-150

MAT 6158

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-150



10

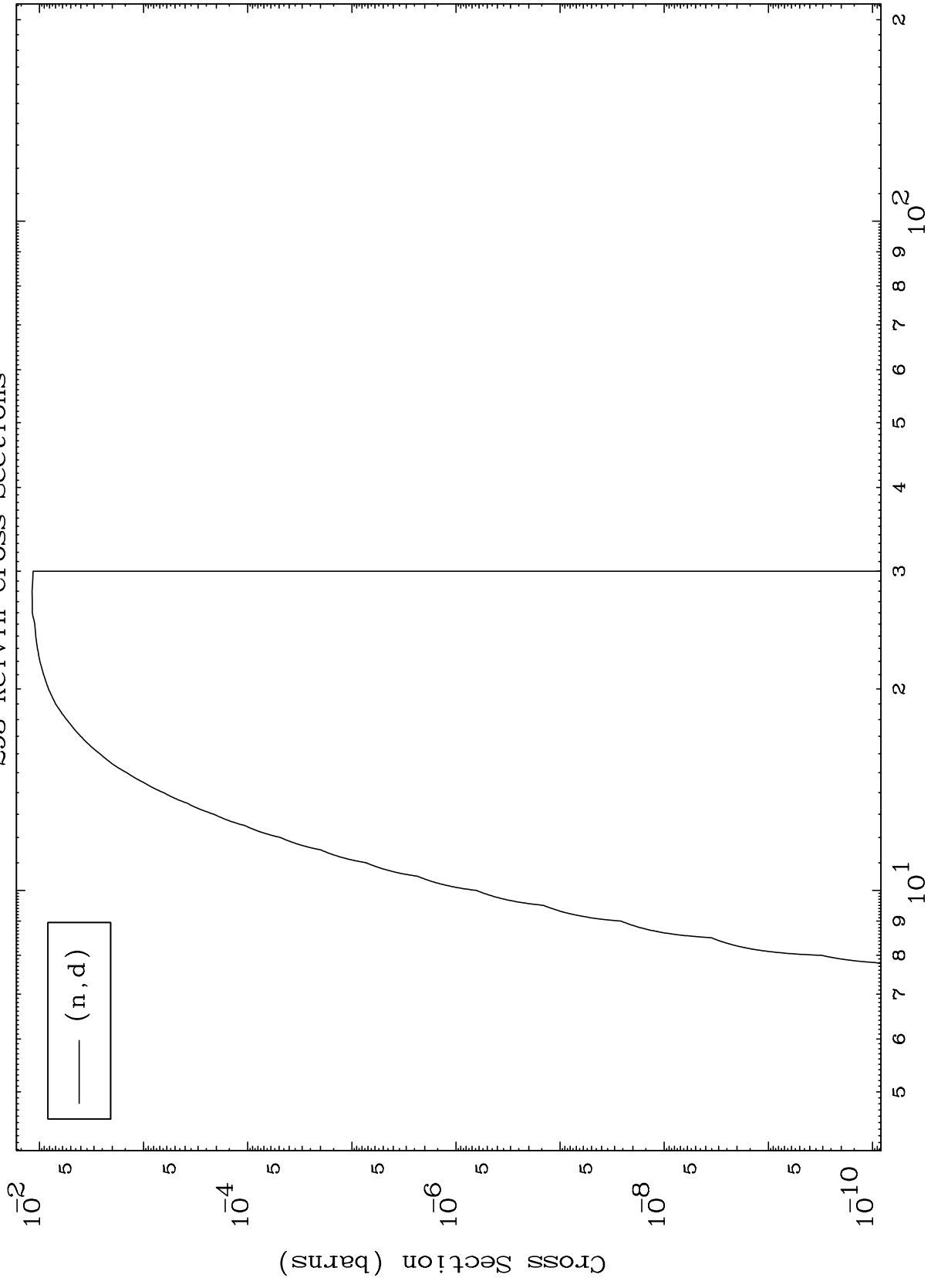
Incident Energy (MeV)

61-Pm-150

MAT 6158

(n,d) Levels
293 Kelvin Cross Sections

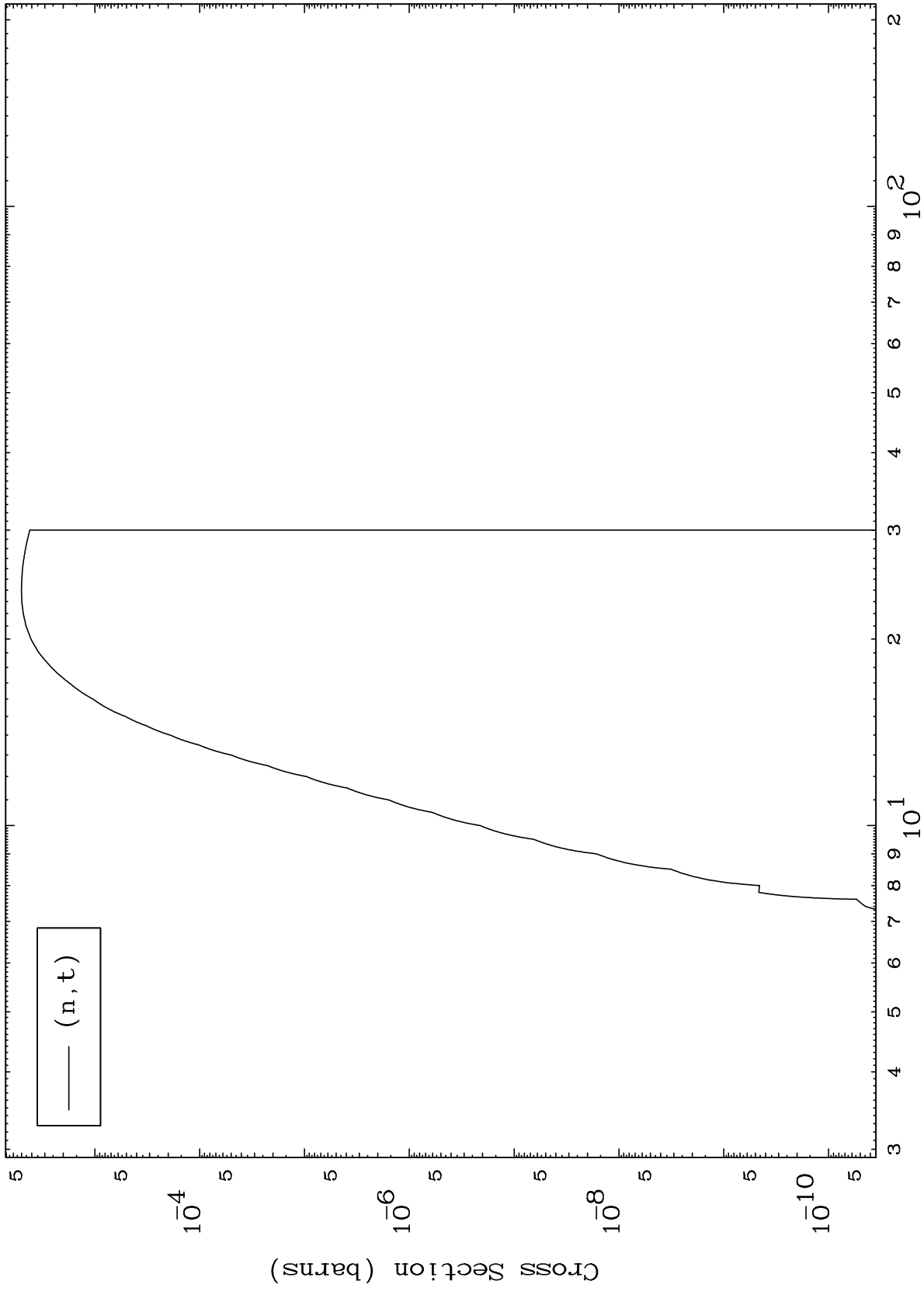
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MAT 6158

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-150



12

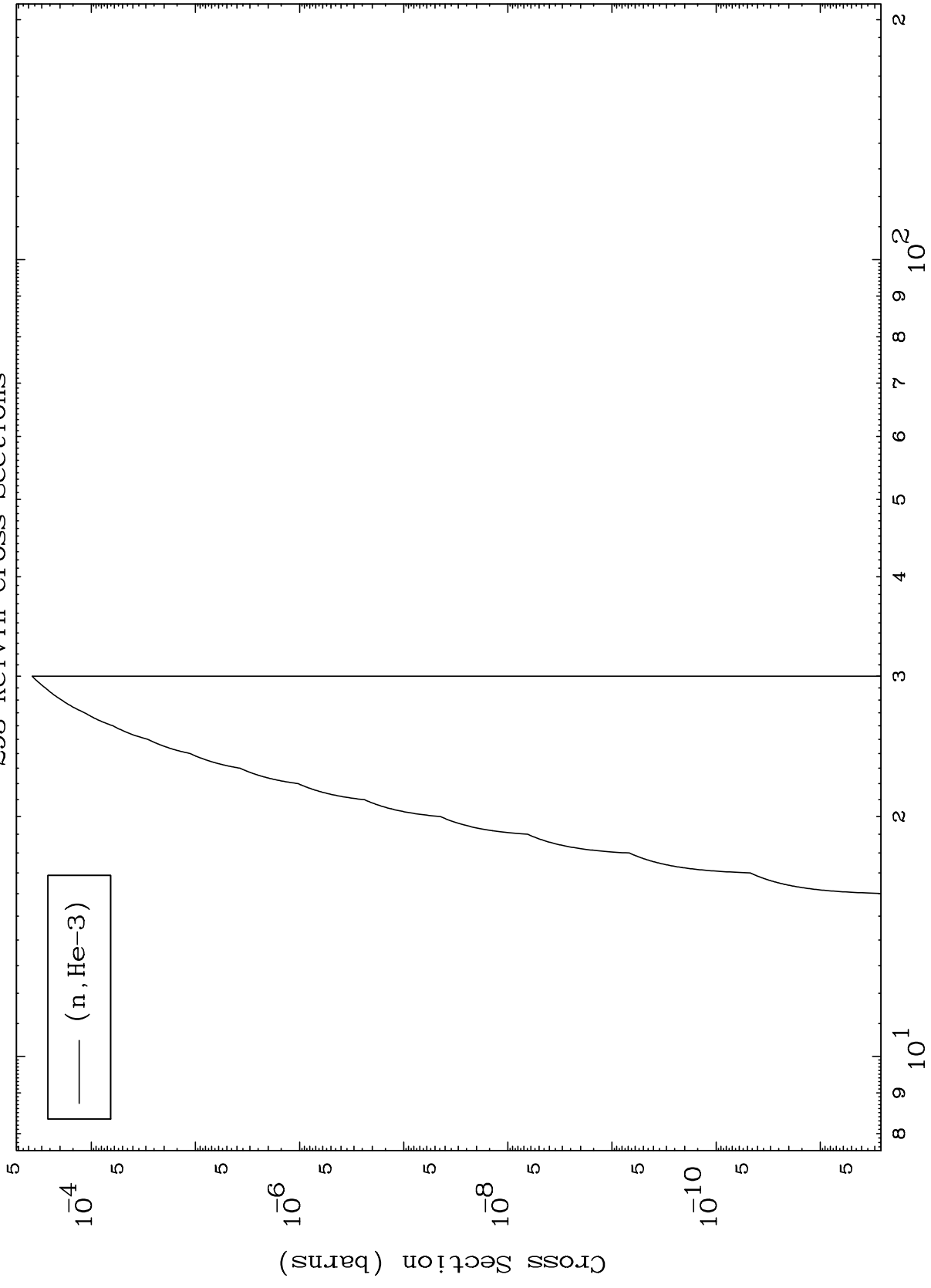
Incident Energy (MeV)

61-Pm-150

MAT 6158

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-150



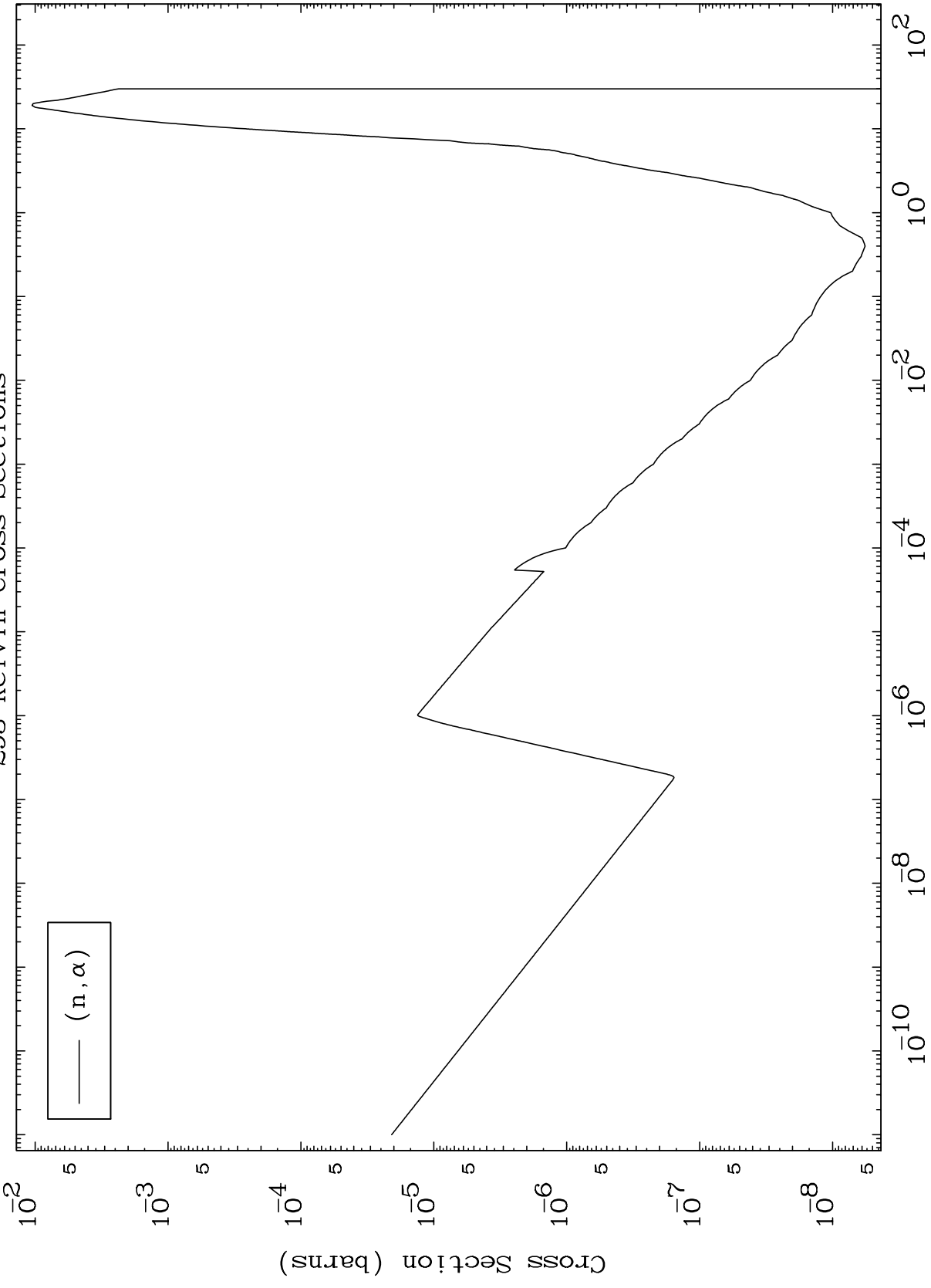
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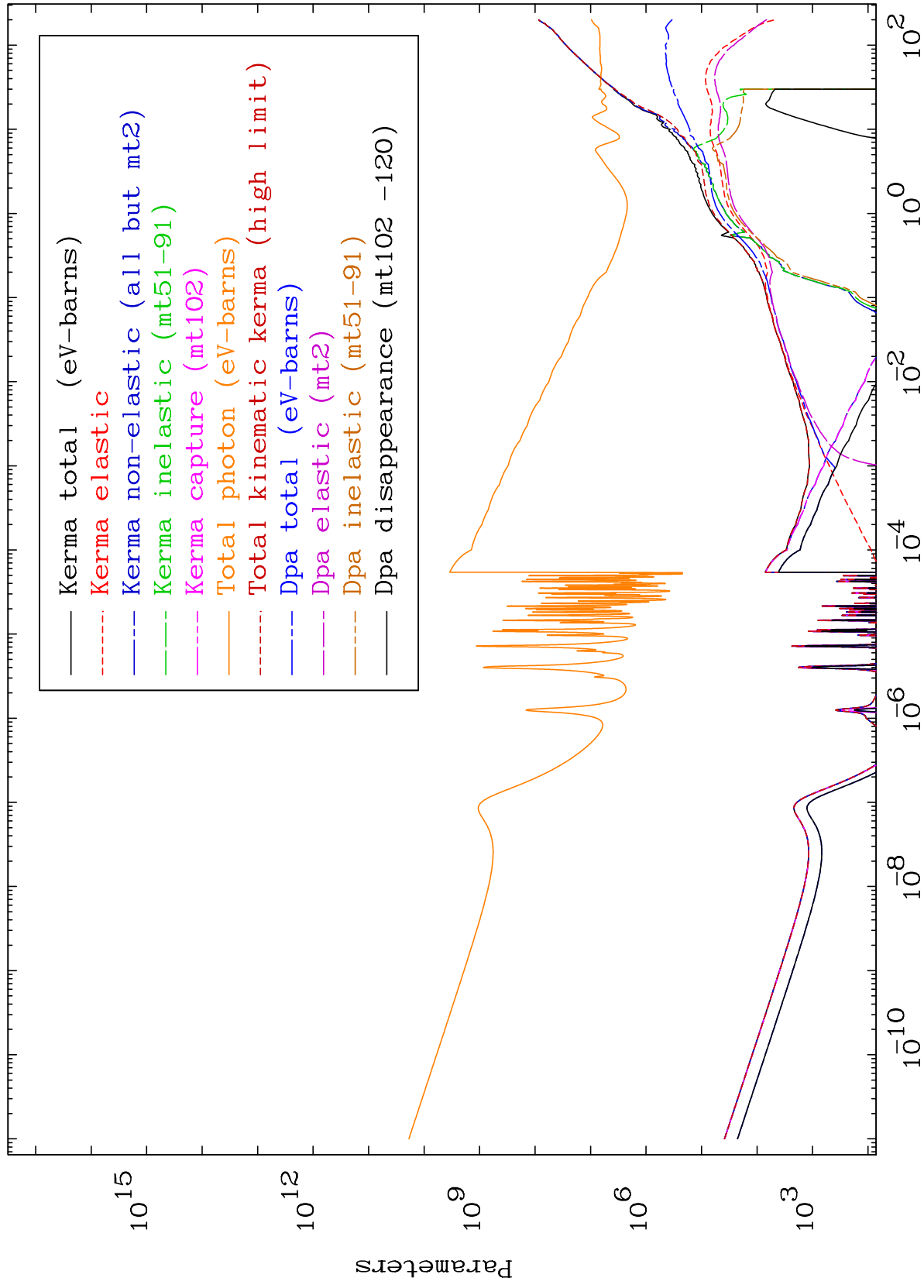
MAT 6158

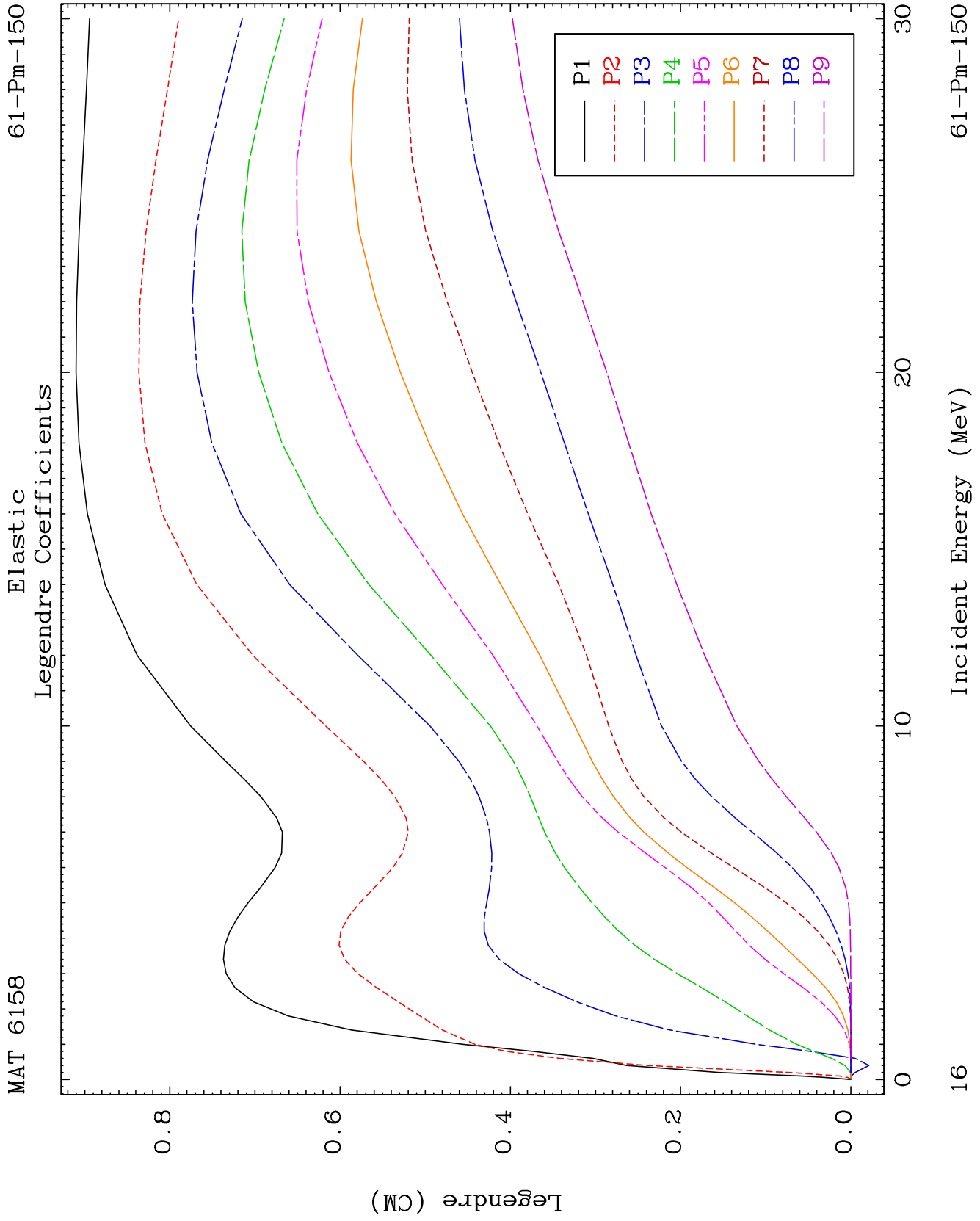
(n,α) Levels
293 Kelvin Cross Sections

61-Pm-150



61-Pm-150

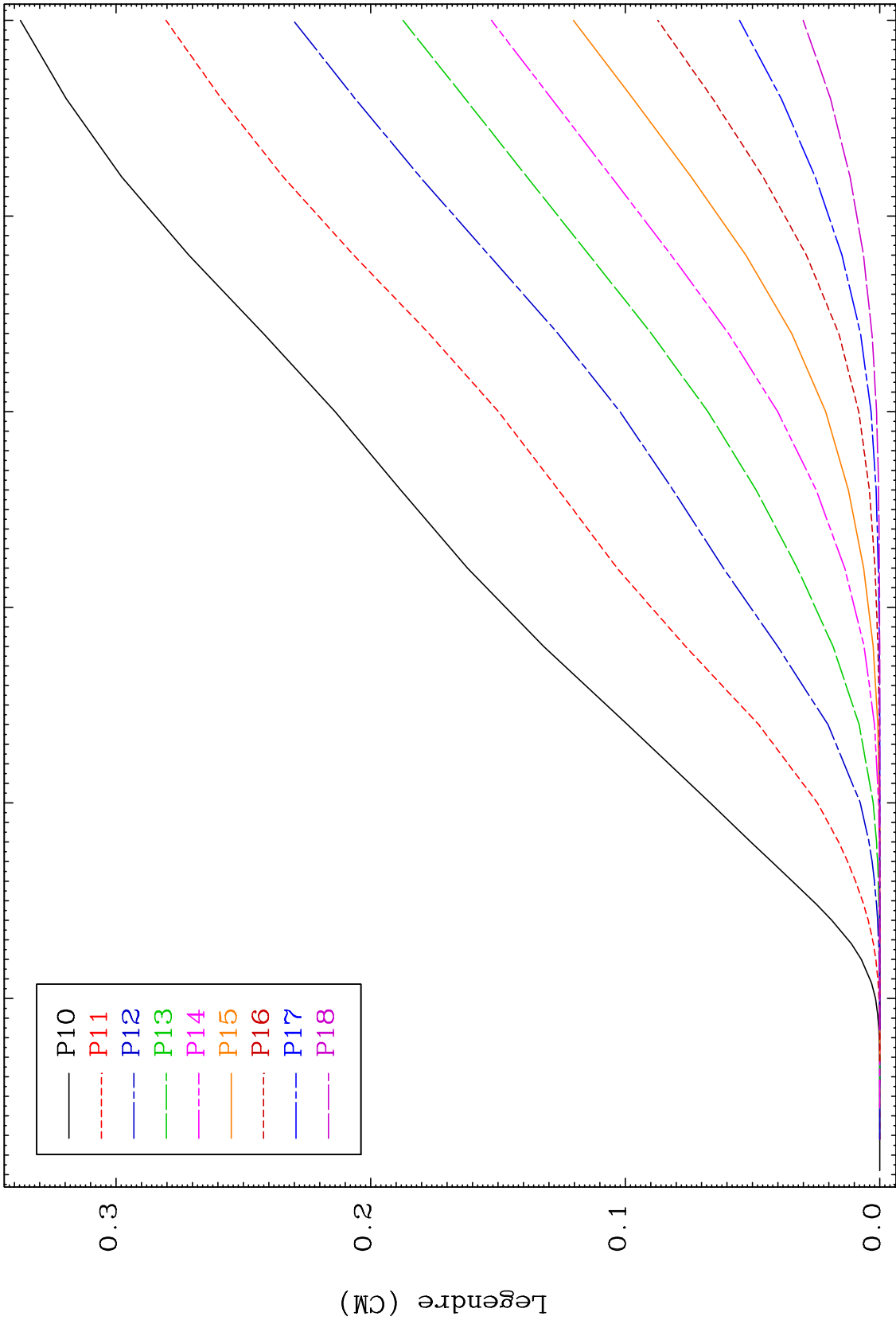




MAT 6158

Elastic Legendre Coefficients

61-Pm-150



17

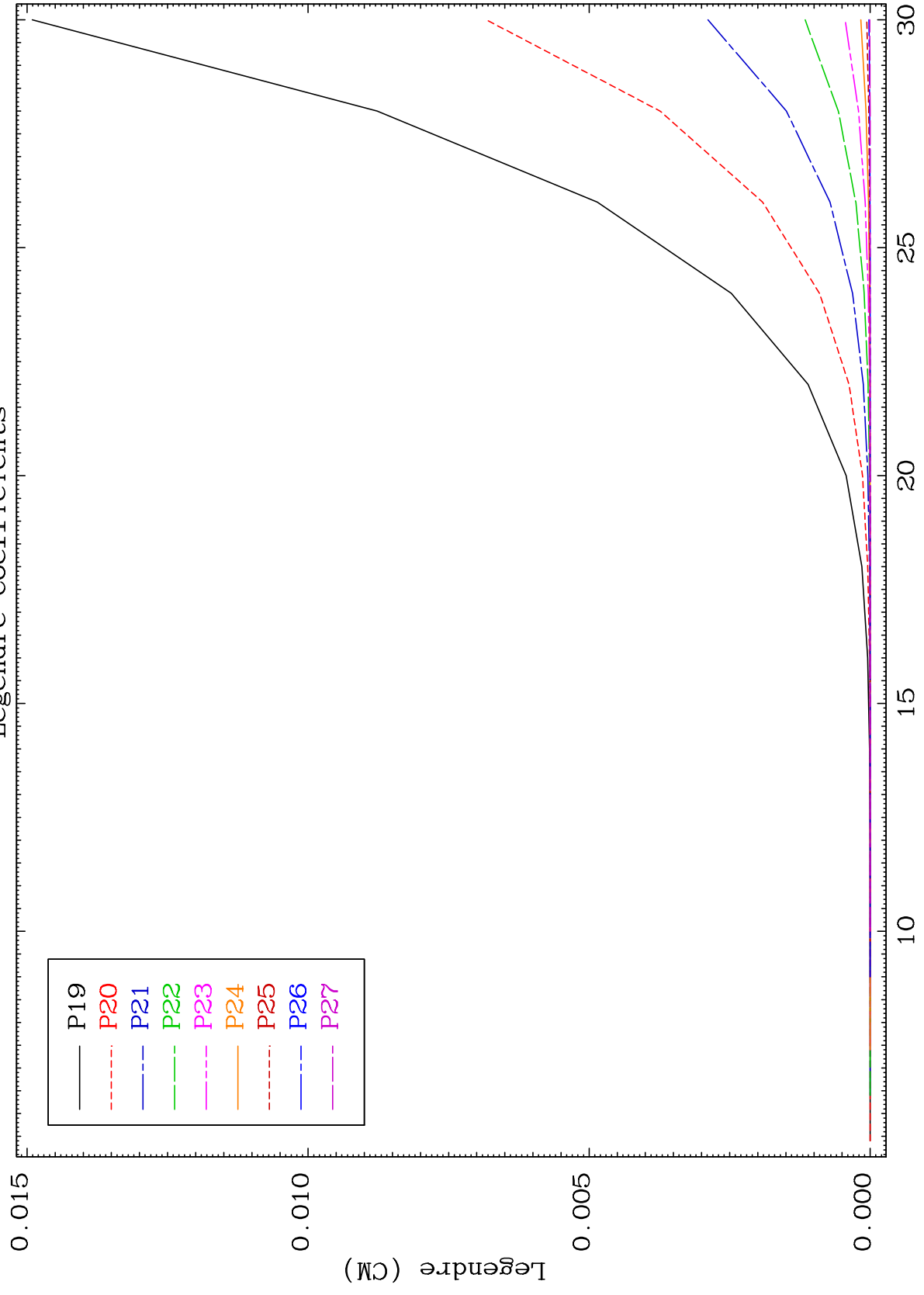
Incident Energy (MeV)

61-Pm-150

MAT 6158

Elastic Legendre Coefficients

61-Pm-150



18

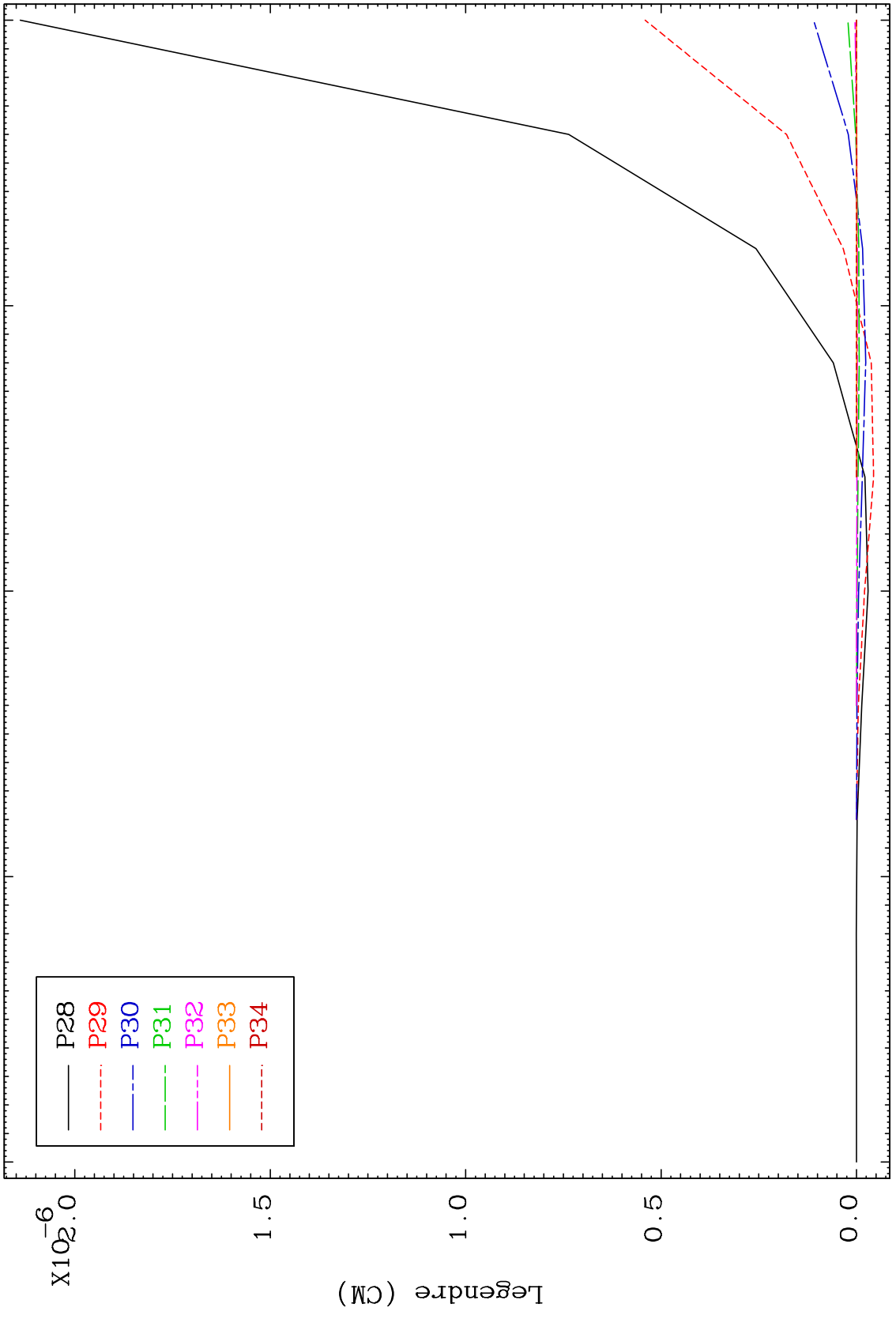
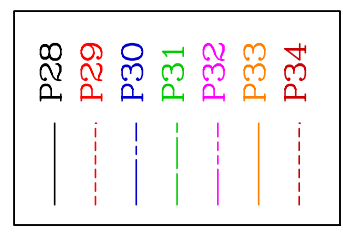
Incident Energy (MeV)

61-Pm-150

MAT 6158

Elastic Legendre Coefficients

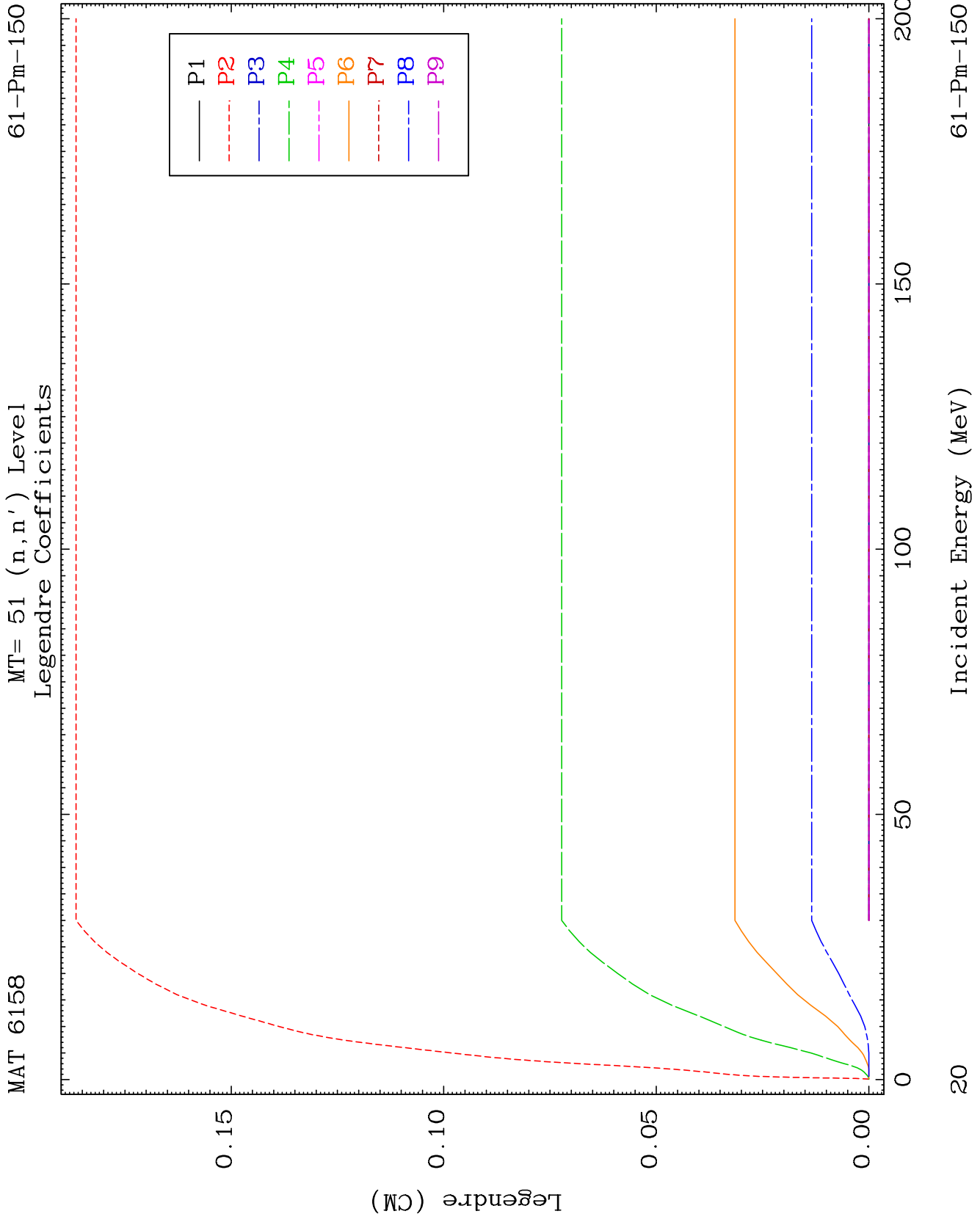
61-Pm-150



19

Incident Energy (MeV)

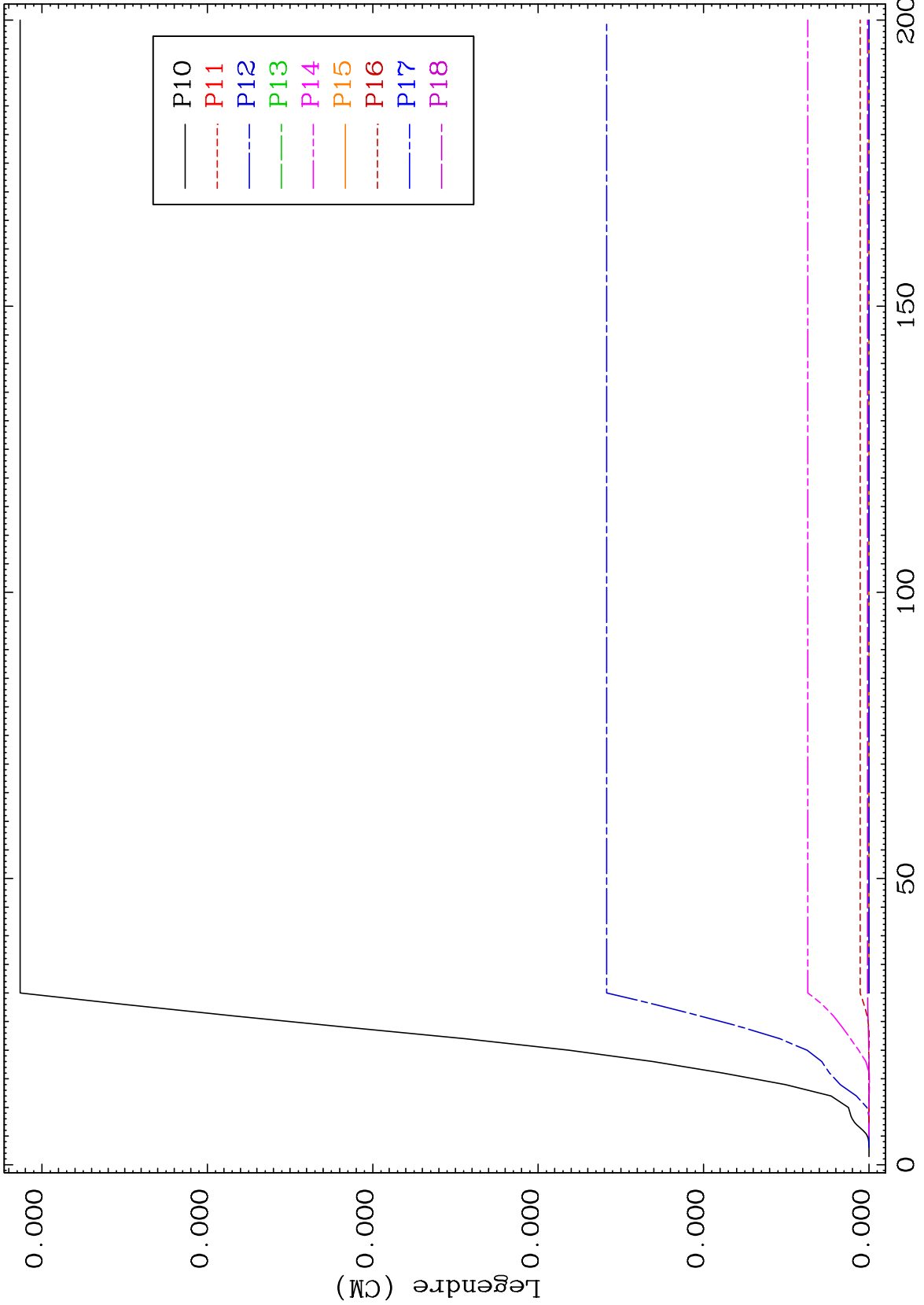
61-Pm-150



MAT 6158

MT= 51 (n,n') Level
Legendre Coefficients

61-Pm-150

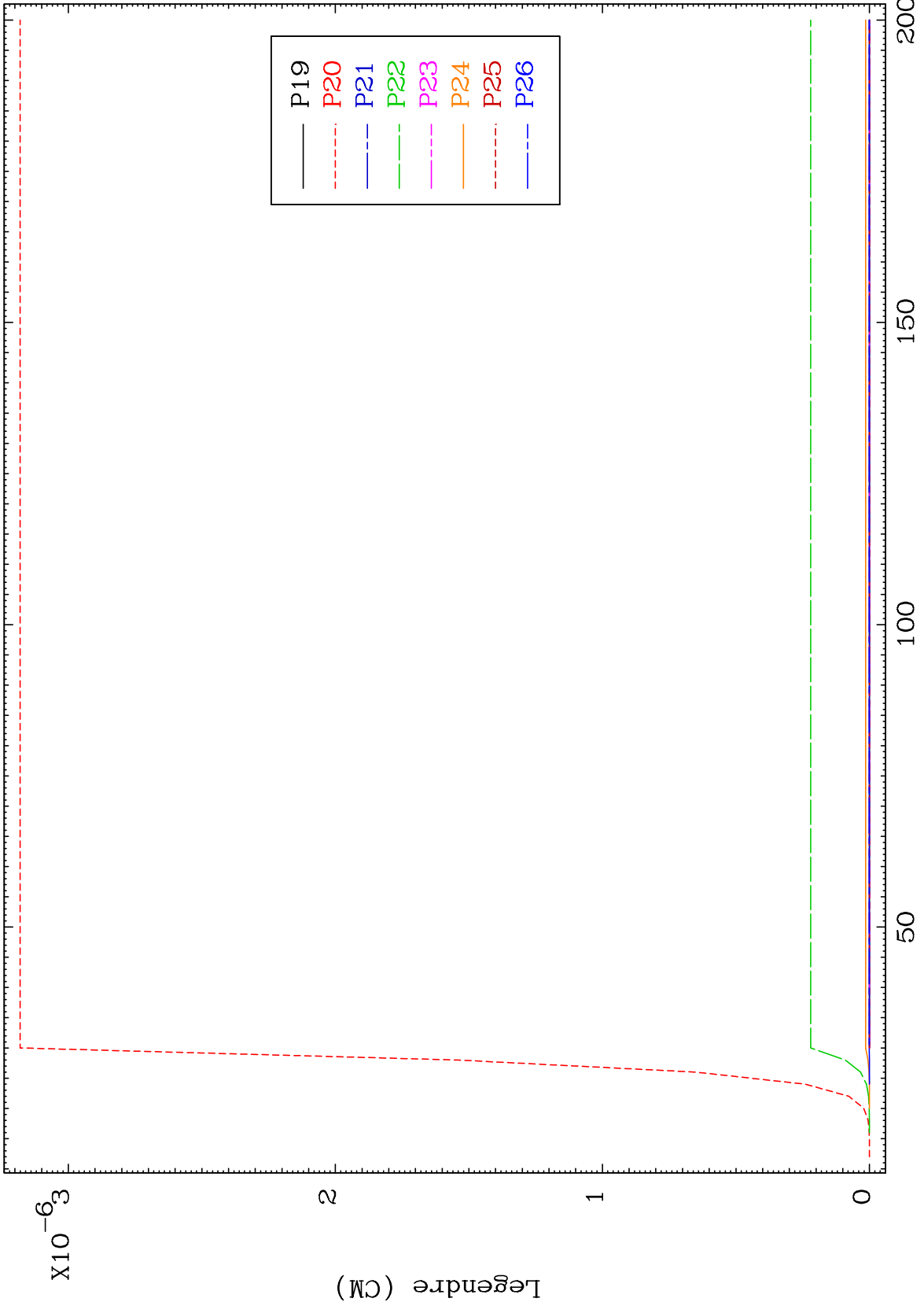


21

Incident Energy (MeV)

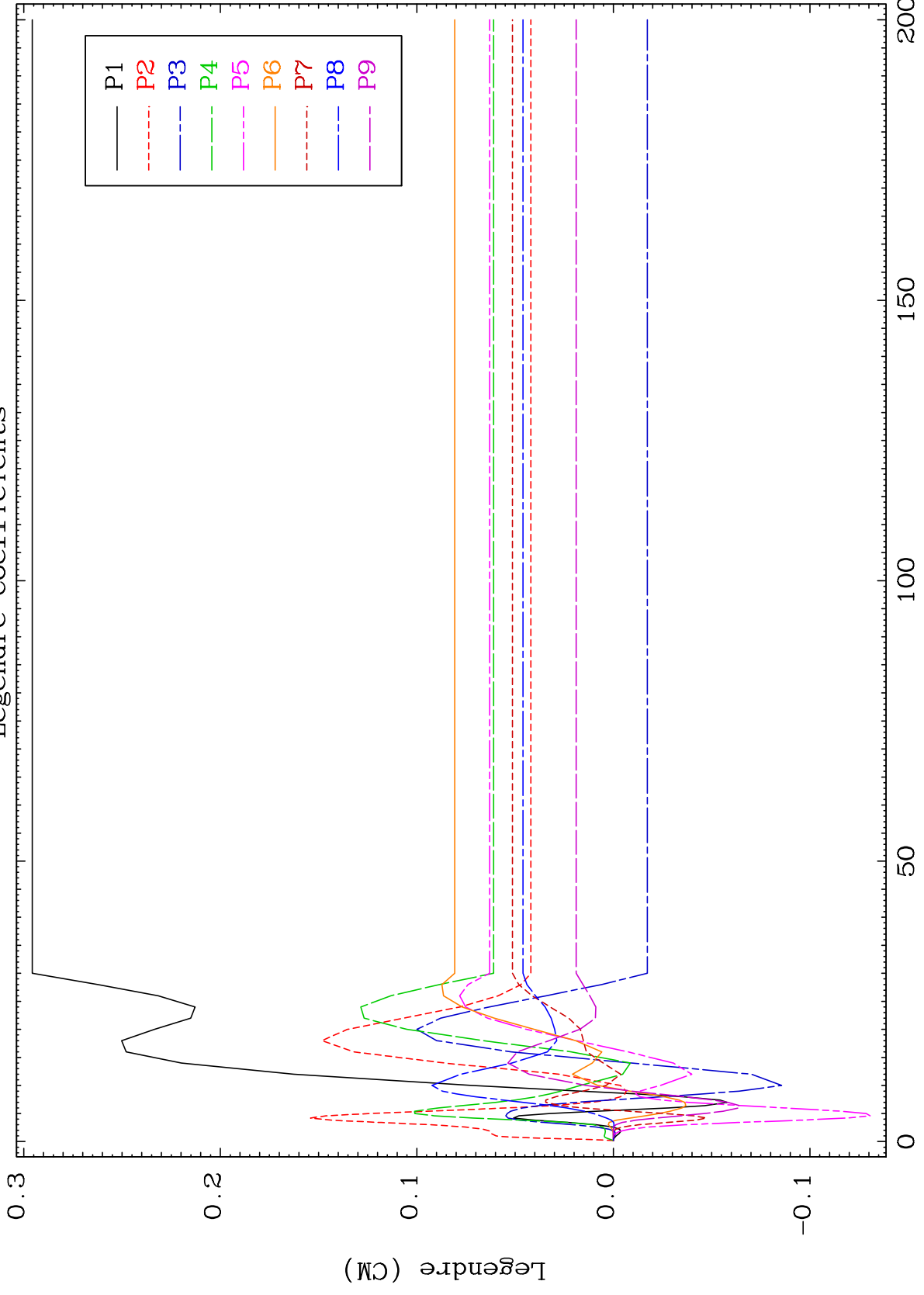
61-Pm-150

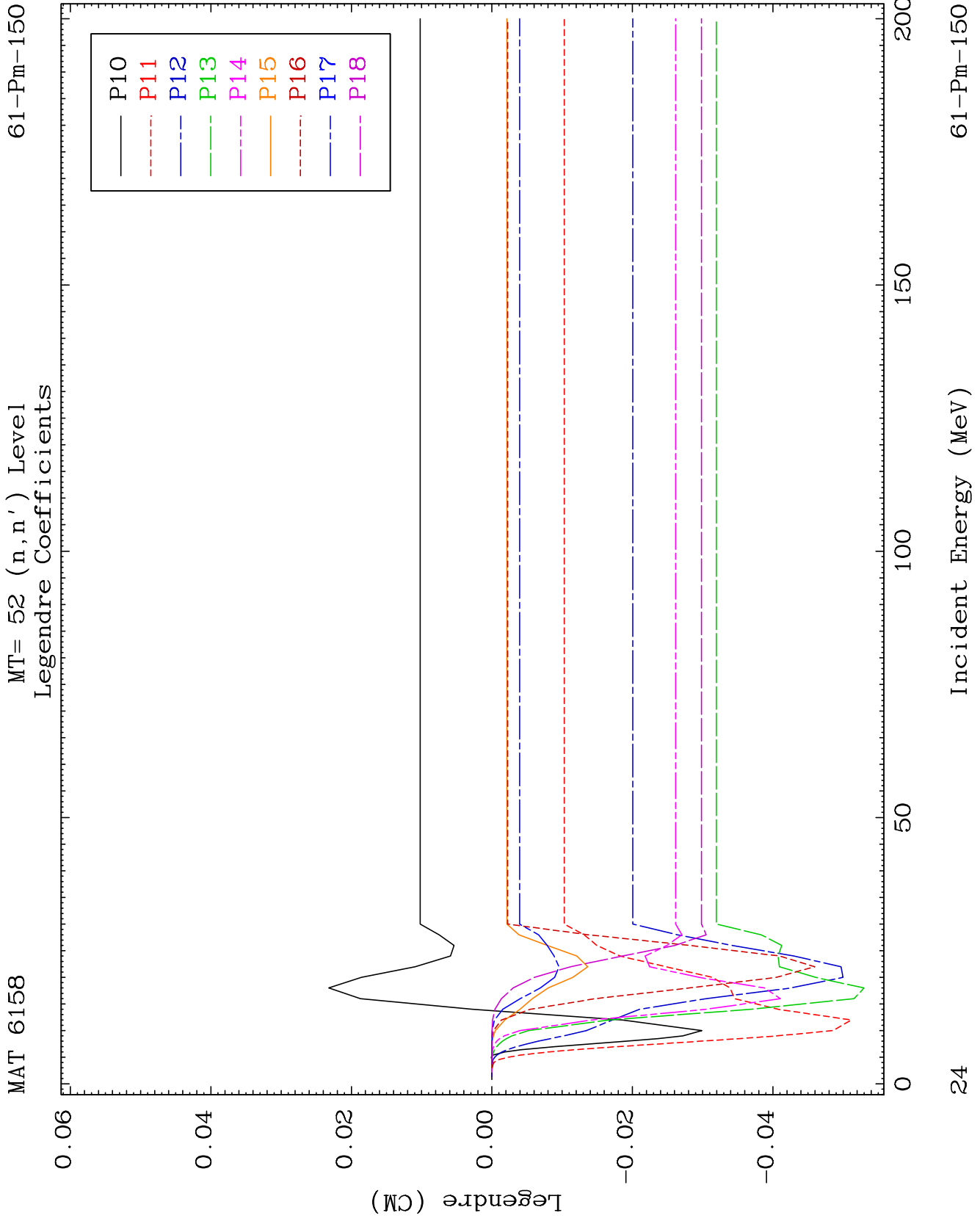
MAT 6158 MT= 51 (n,n') Level Legendre Coefficients 61-Pm-150



22 Incident Energy (MeV) 61-Pm-150

MAT 6158 MT= 52 (n,n') Level Legendre Coefficients 61-Pm-150

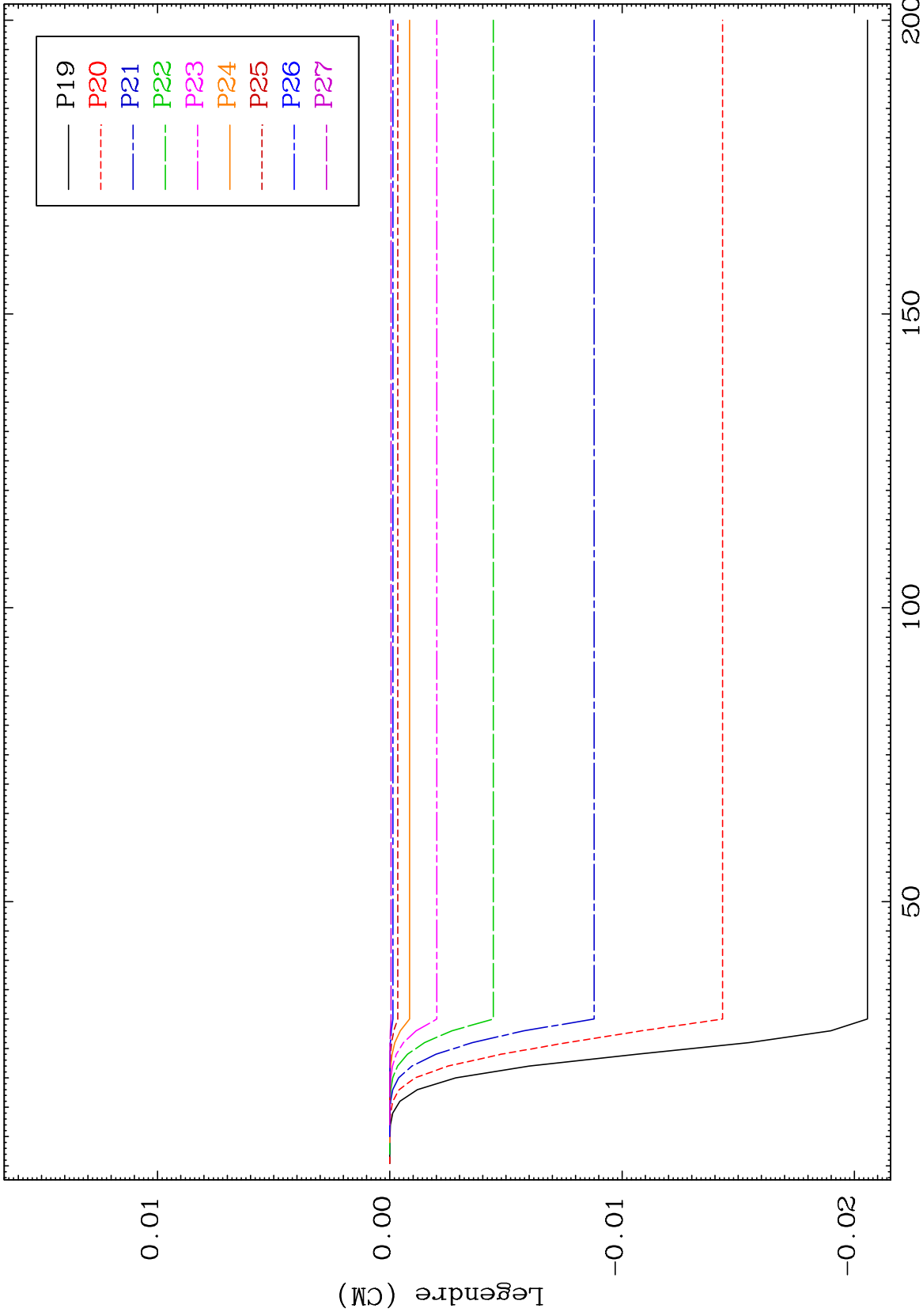




MAT 6158

MT= 52 (n,n') Level
Legendre Coefficients

61-Pm-150

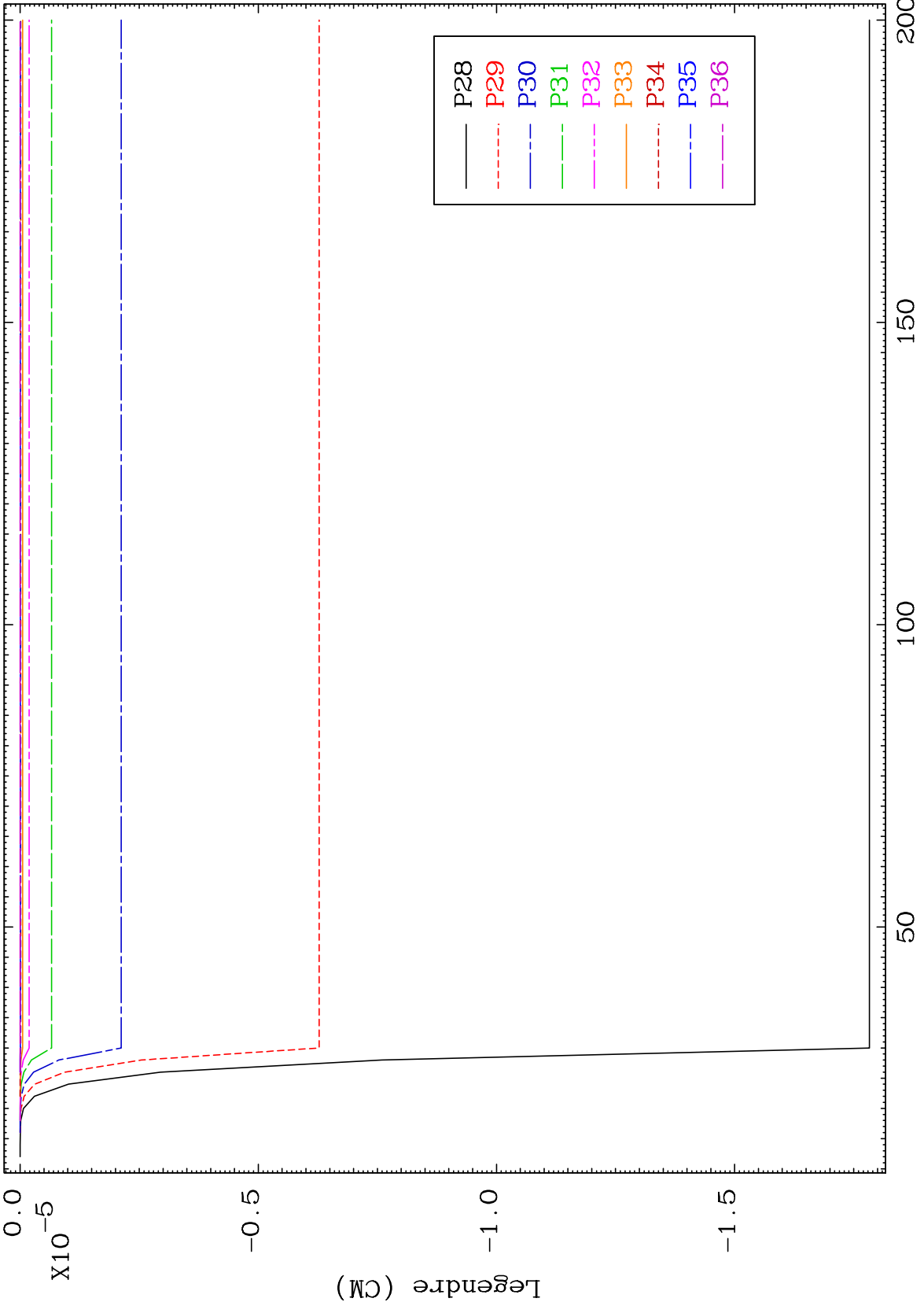


25

Incident Energy (MeV)

61-Pm-150

MAT 6158 MT= 52 (n,n') Level Legendre Coefficients 61-Pm-150

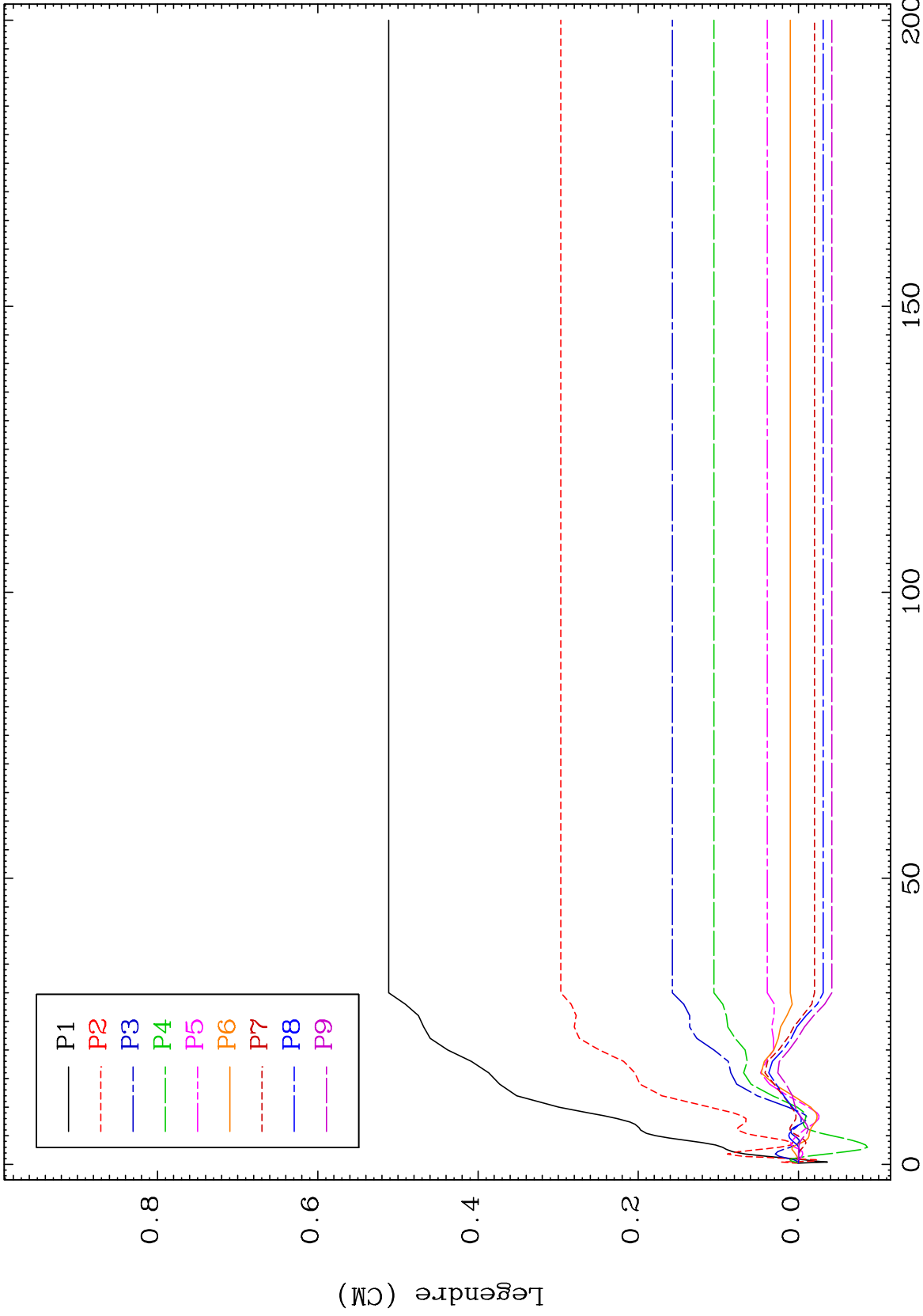


26 Incident Energy (MeV) 61-Pm-150

MAT 6158

MT= 53 (n,n') Level
Legendre Coefficients

61-Pm-150



27

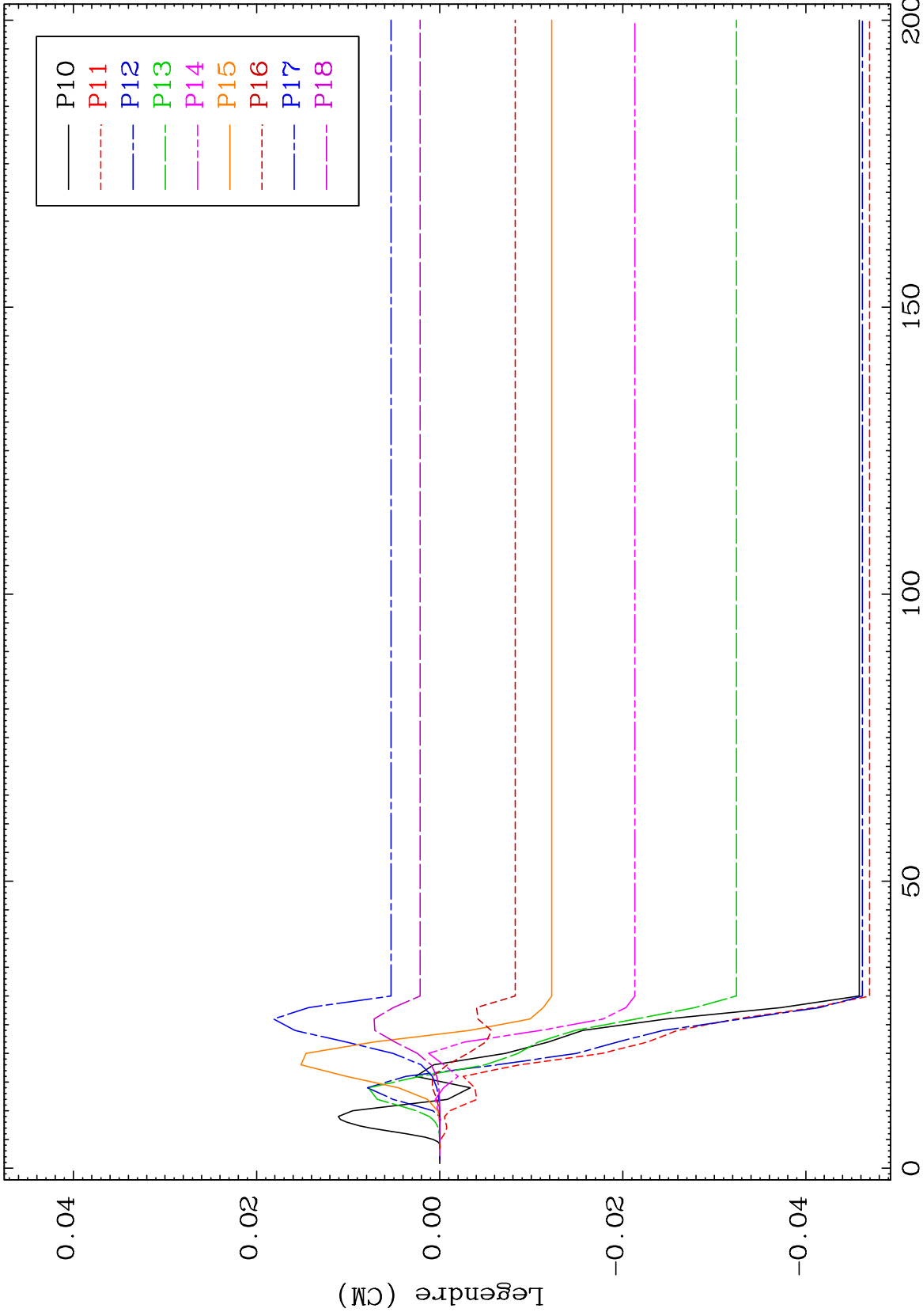
Incident Energy (MeV)

61-Pm-150

MAT 6158

MT= 53 (n,n') Level
Legendre Coefficients

61-Pm-150



28

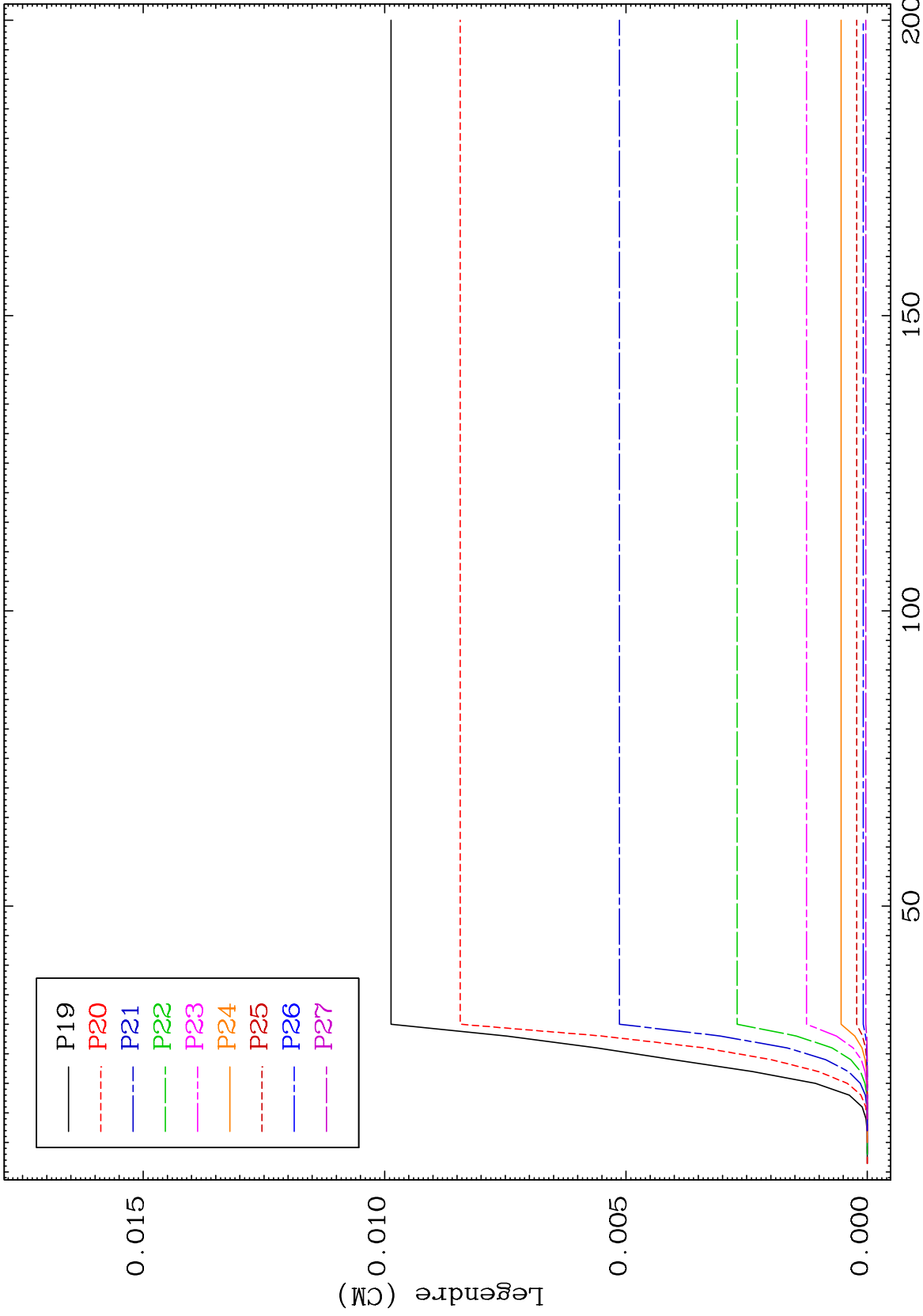
Incident Energy (MeV)

61-Pm-150

MAT 6158

MT= 53 (n,n') Level
Legendre Coefficients

61-Pm-150

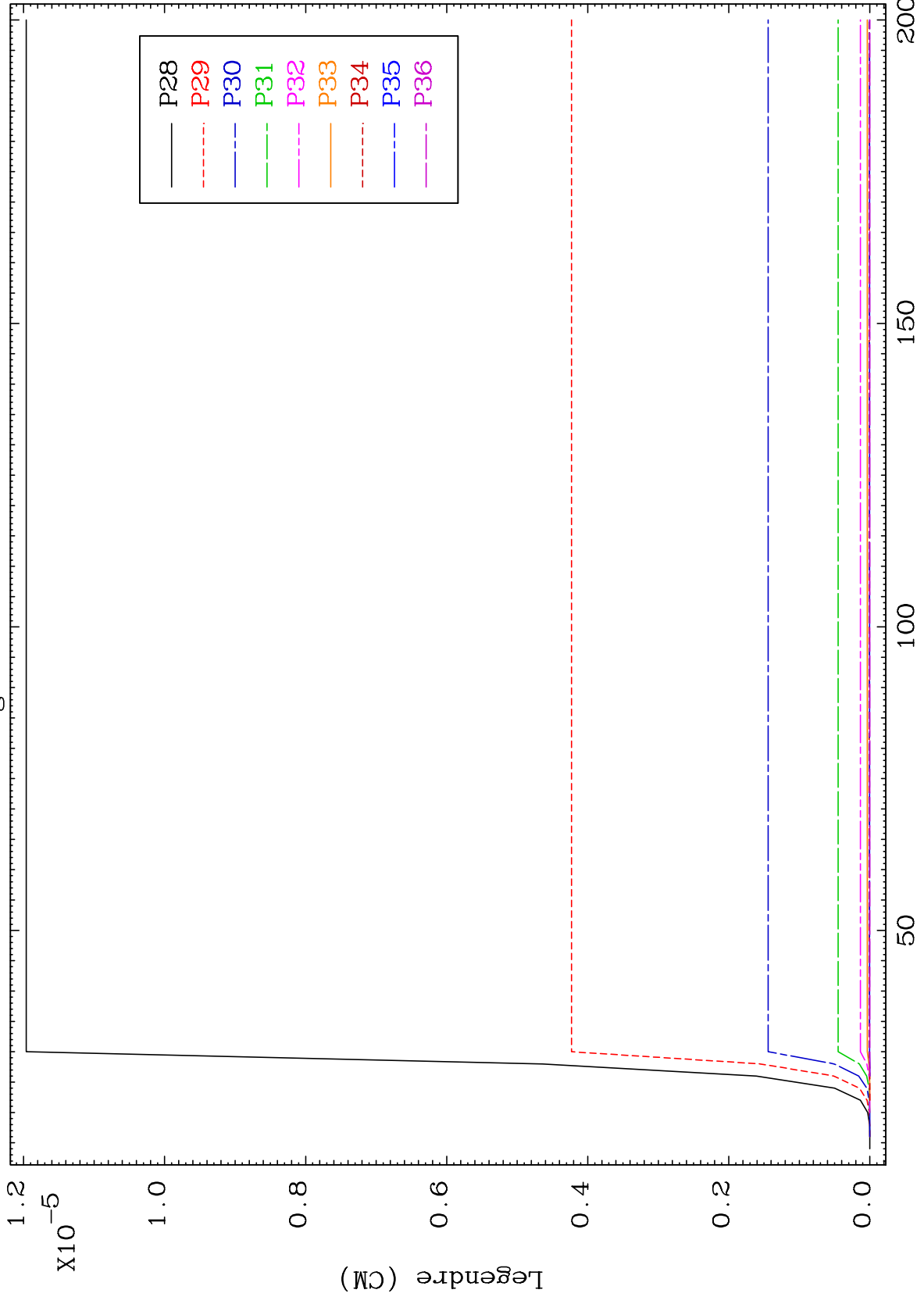


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Incident Energy (MeV)

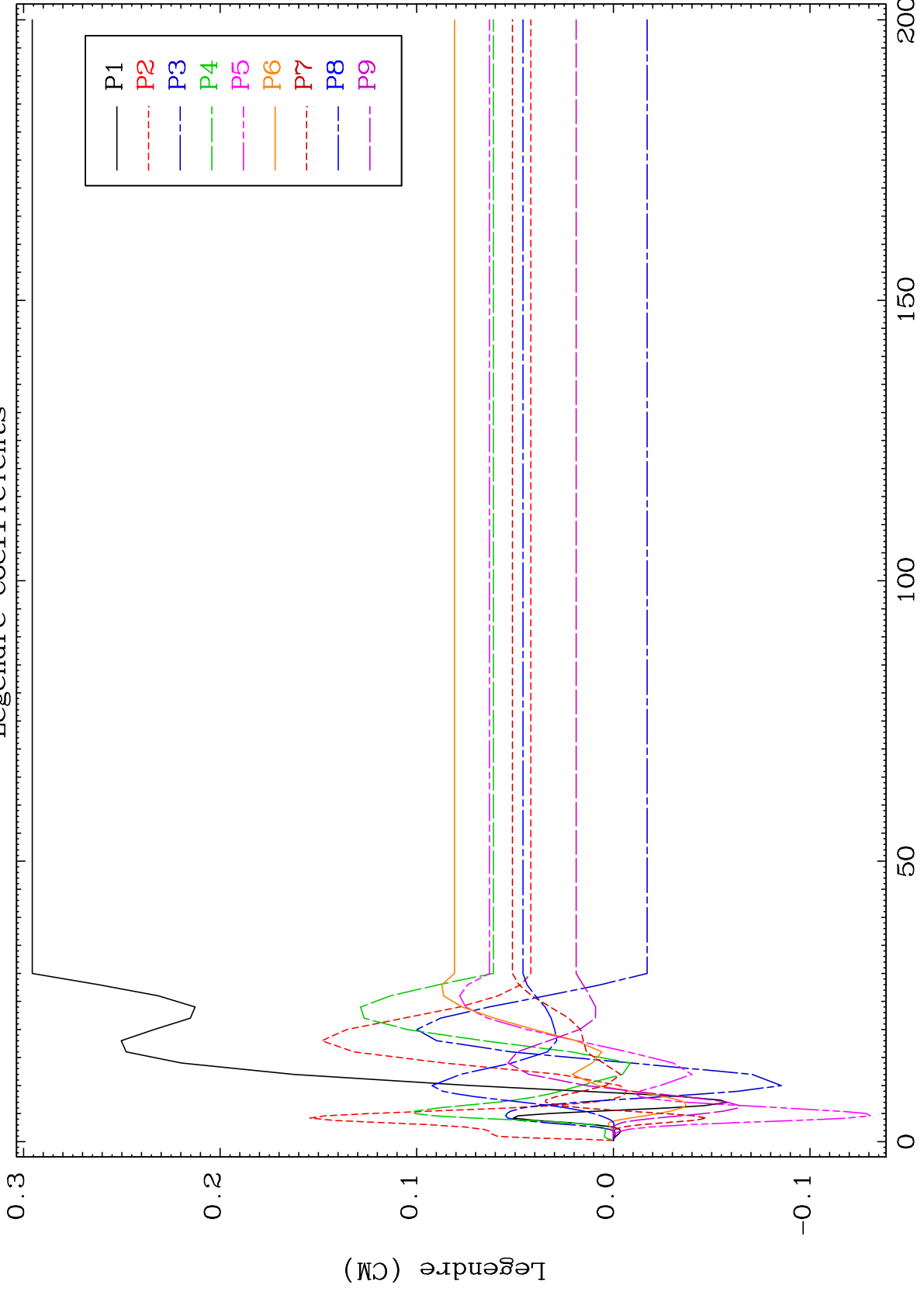
61-Pm-150

MAT 6158 MT= 53 (n,n') Level Legendre Coefficients 61-Pm-150

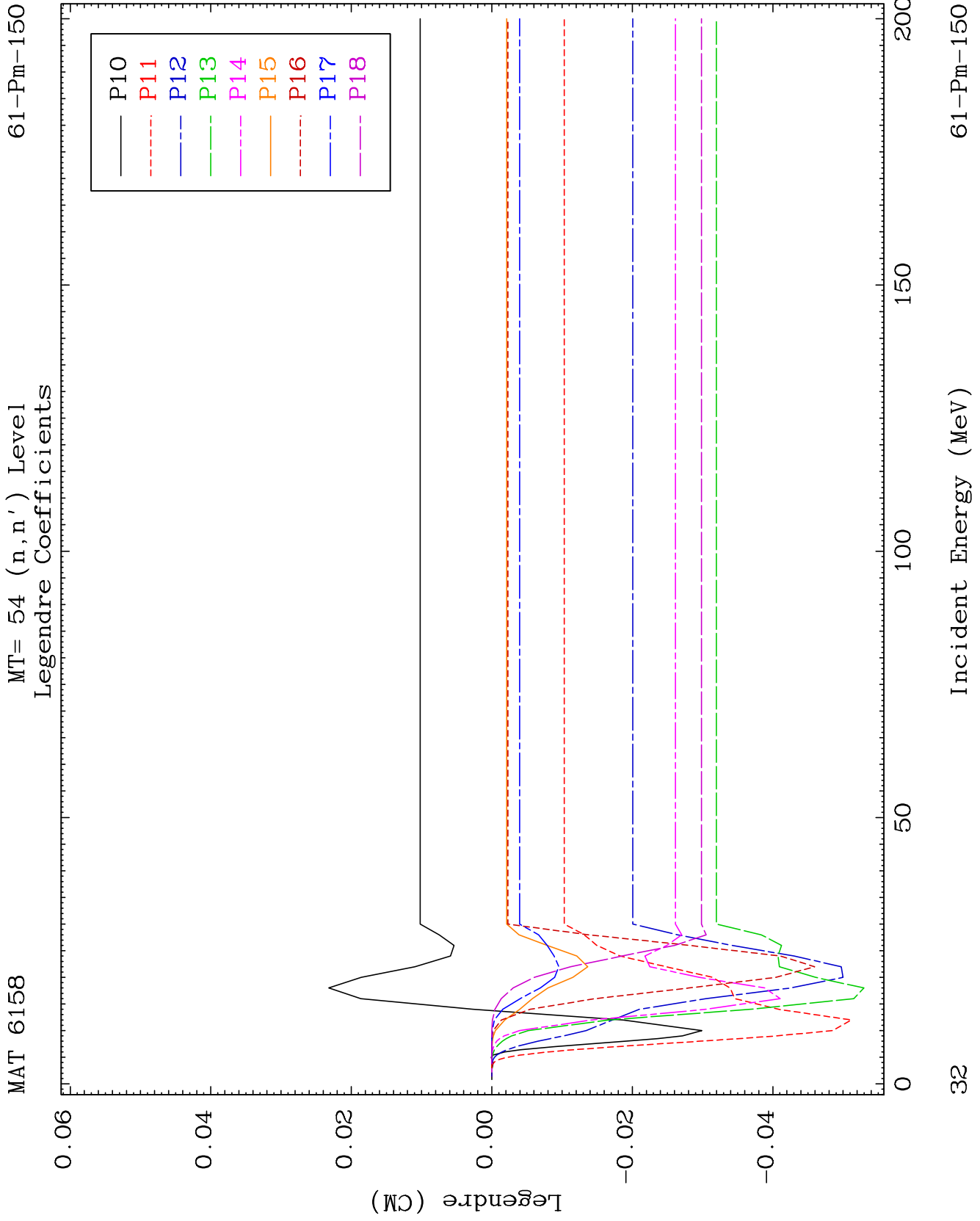


30 Incident Energy (MeV) 61-Pm-150

MAT 6158 MT= 54 (n,n') Level Legendre Coefficients 61-Pm-150



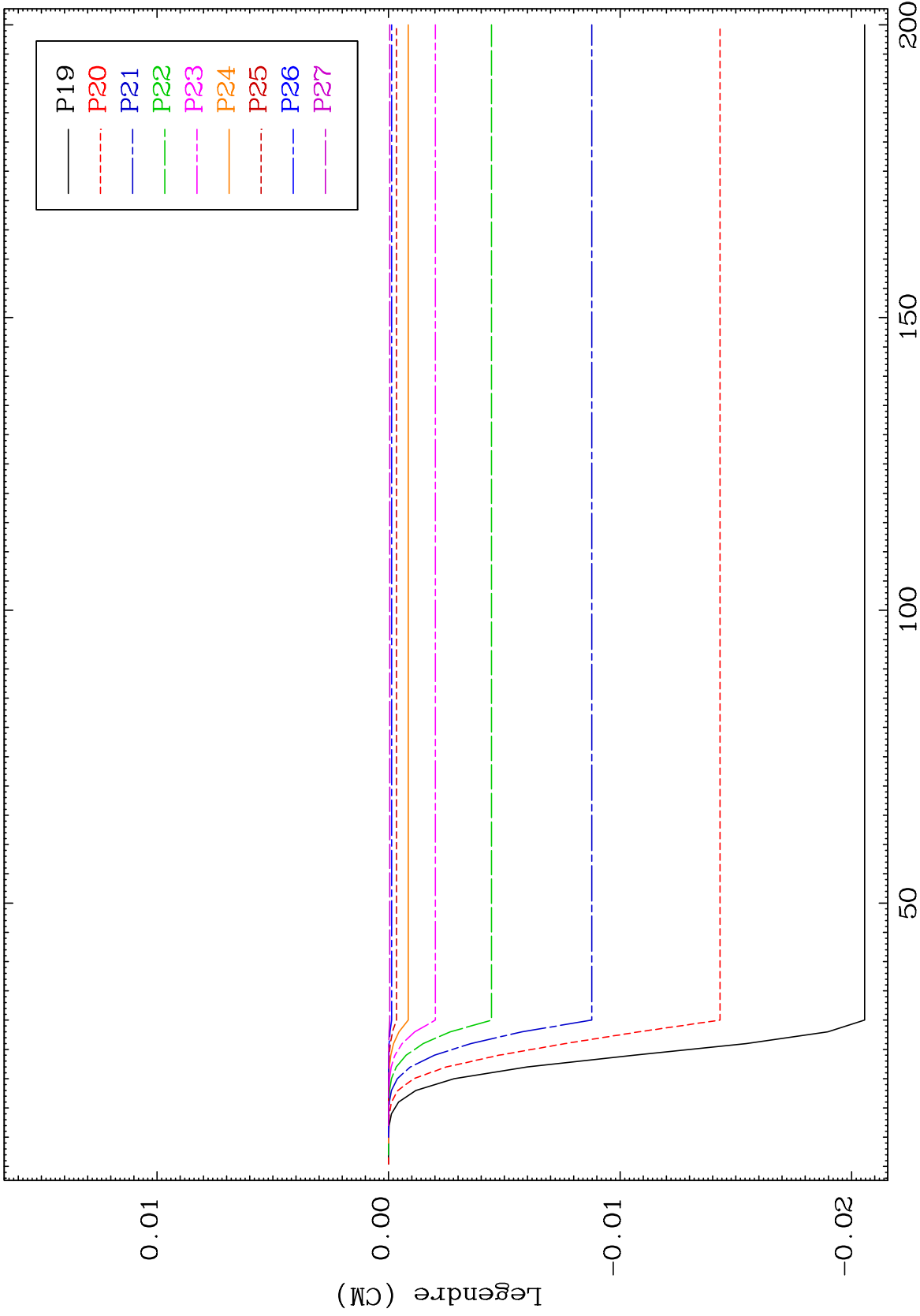
31 Incident Energy (MeV) 61-Pm-150



MAT 6158

MT= 54 (n,n') Level
Legendre Coefficients

61-Pm-150



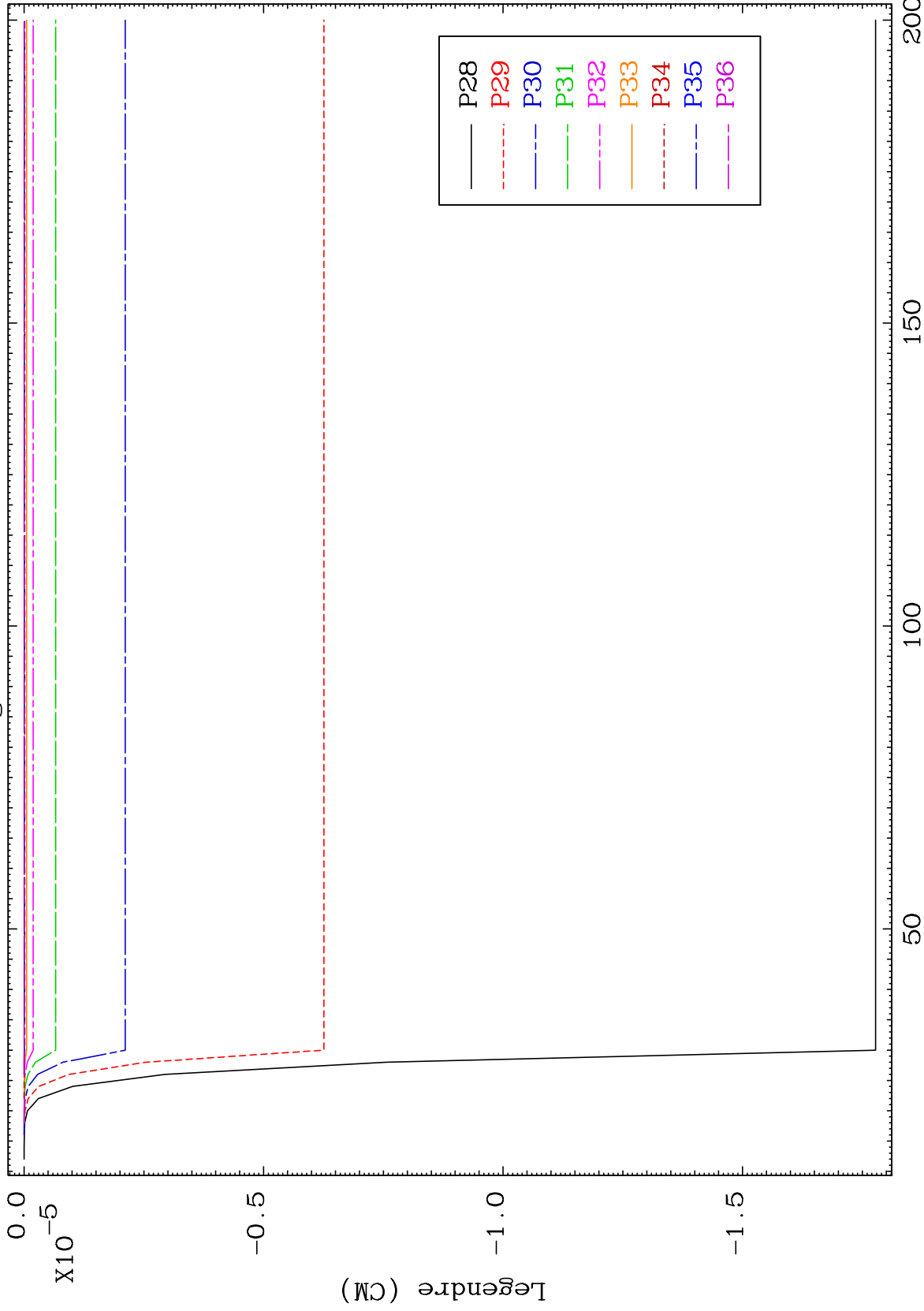
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Incident Energy (MeV)

61-Pm-150

MAT 6158 MT= 54 (n,n') Level 61-Pm-150

Legendre Coefficients

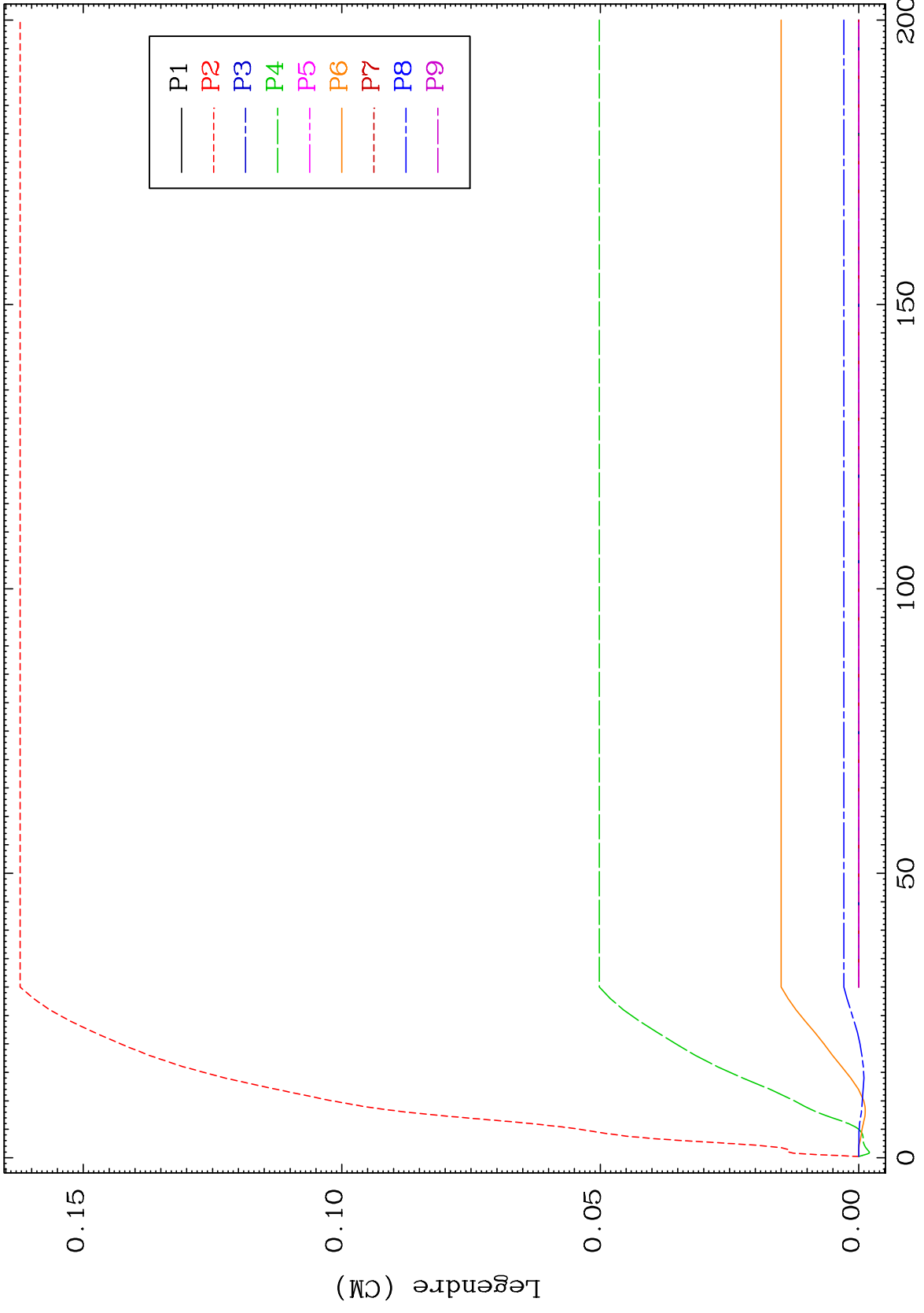


34

Incident Energy (MeV)

61-Pm-150

MAT 6158 MT= 55 (n,n') Level Legendre Coefficients 61-Pm-150

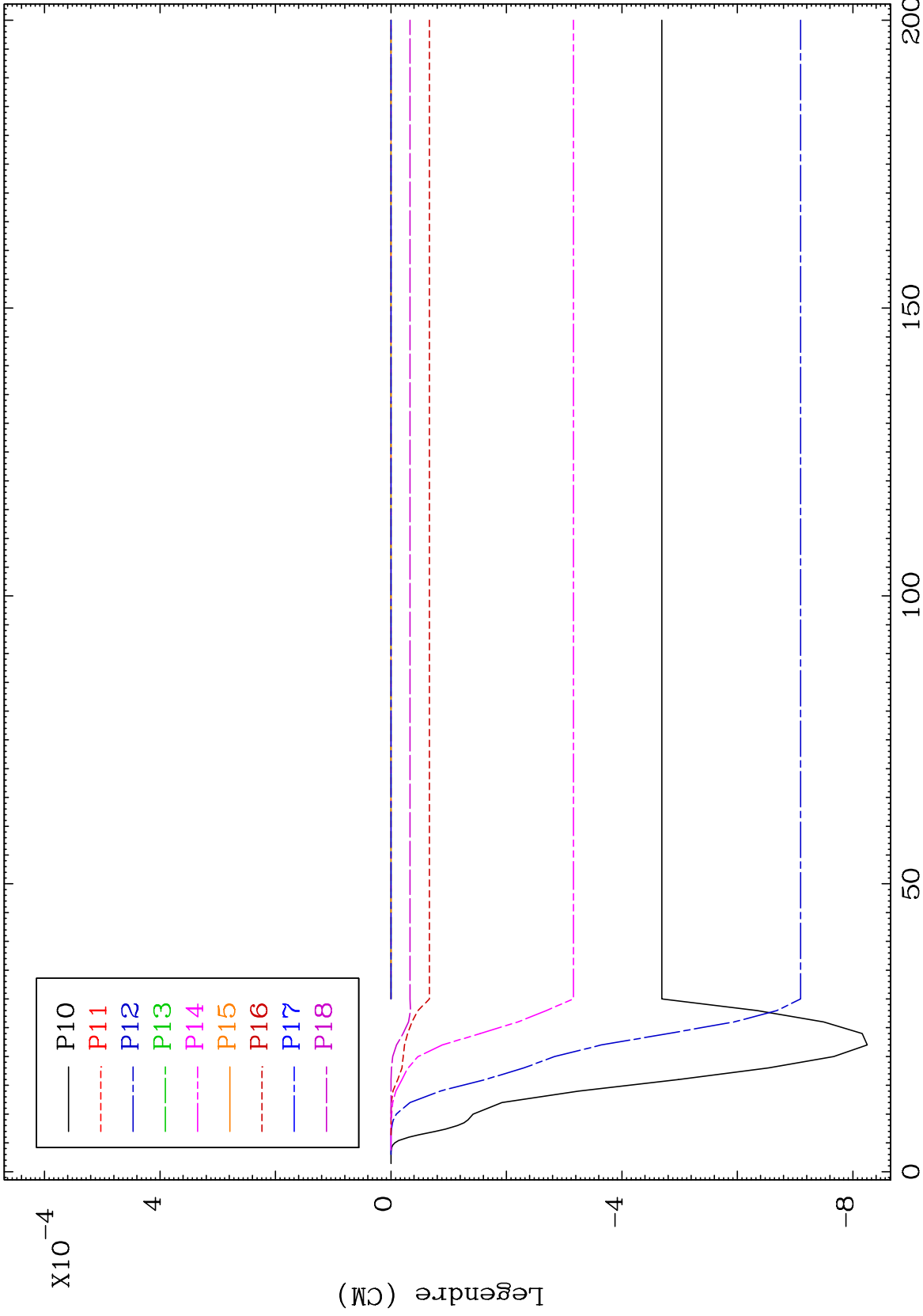


61-Pm-150

MAT 6158

MT= 55 (n,n') Level
Legendre Coefficients

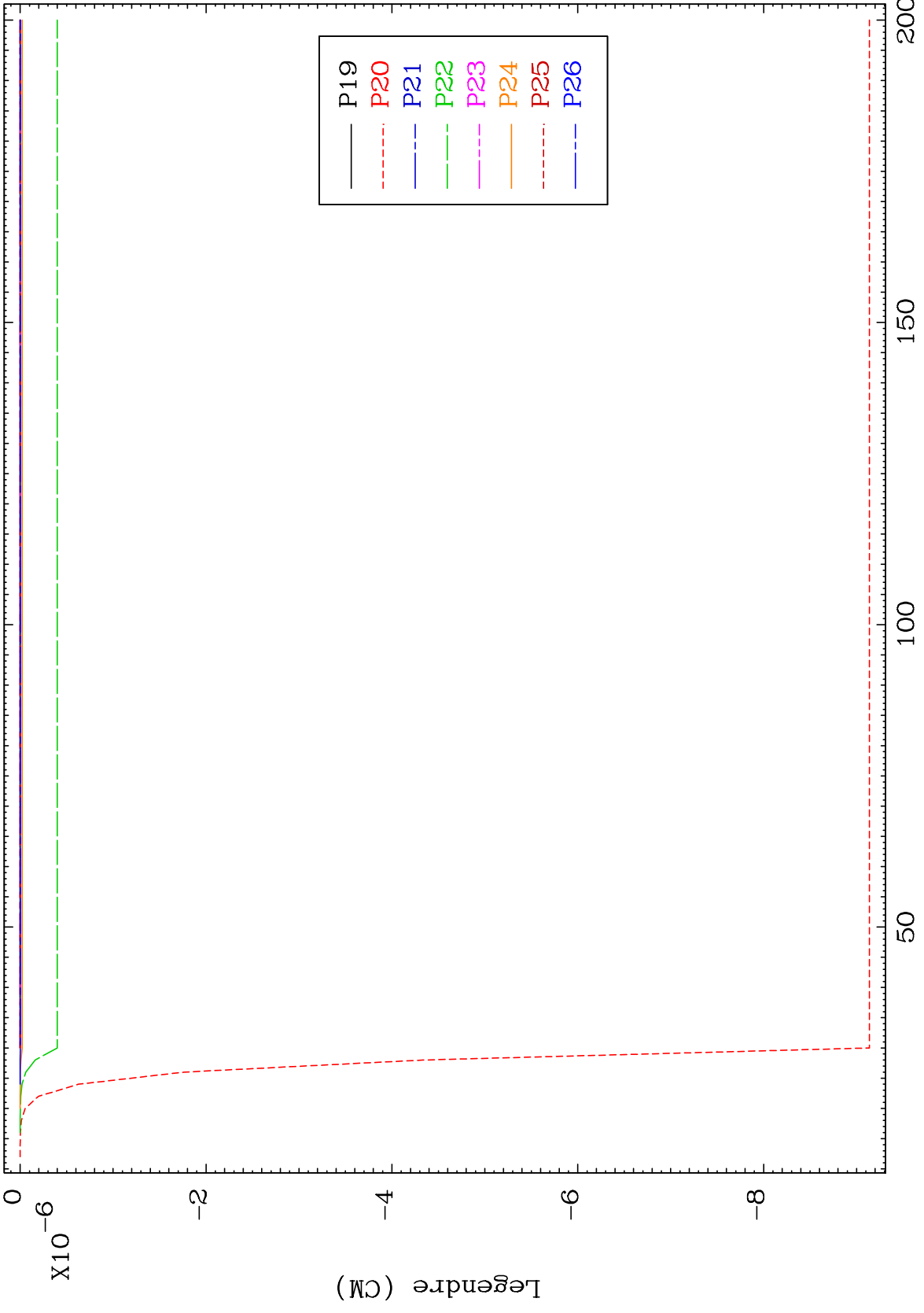
61-Pm-150



36

61-Pm-150

MAT 6158 MT= 55 (n,n') Level Legendre Coefficients 61-Pm-150

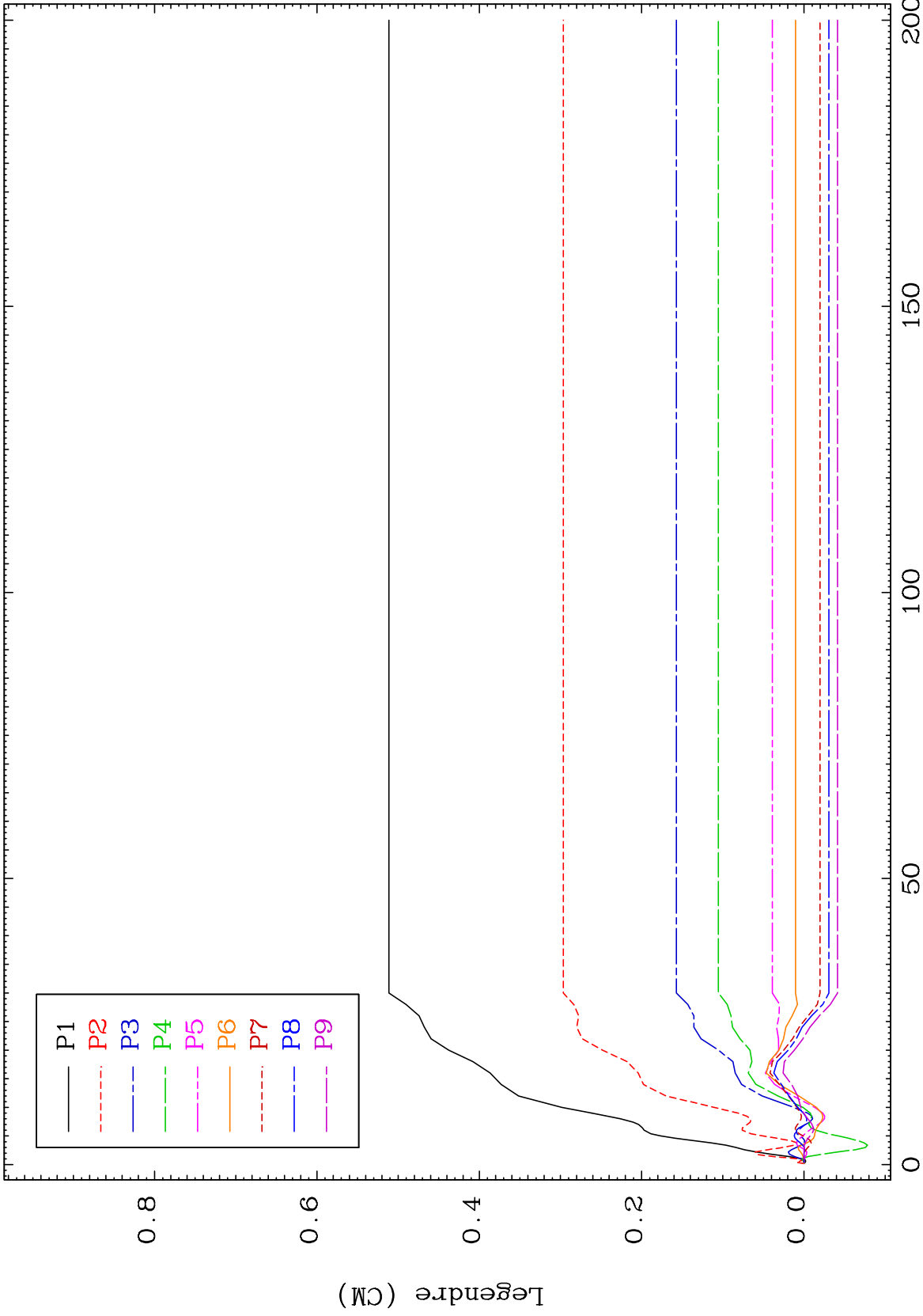


37 61-Pm-150

MAT 6158

MT= 56 (n,n') Level
Legendre Coefficients

61-Pm-150



38

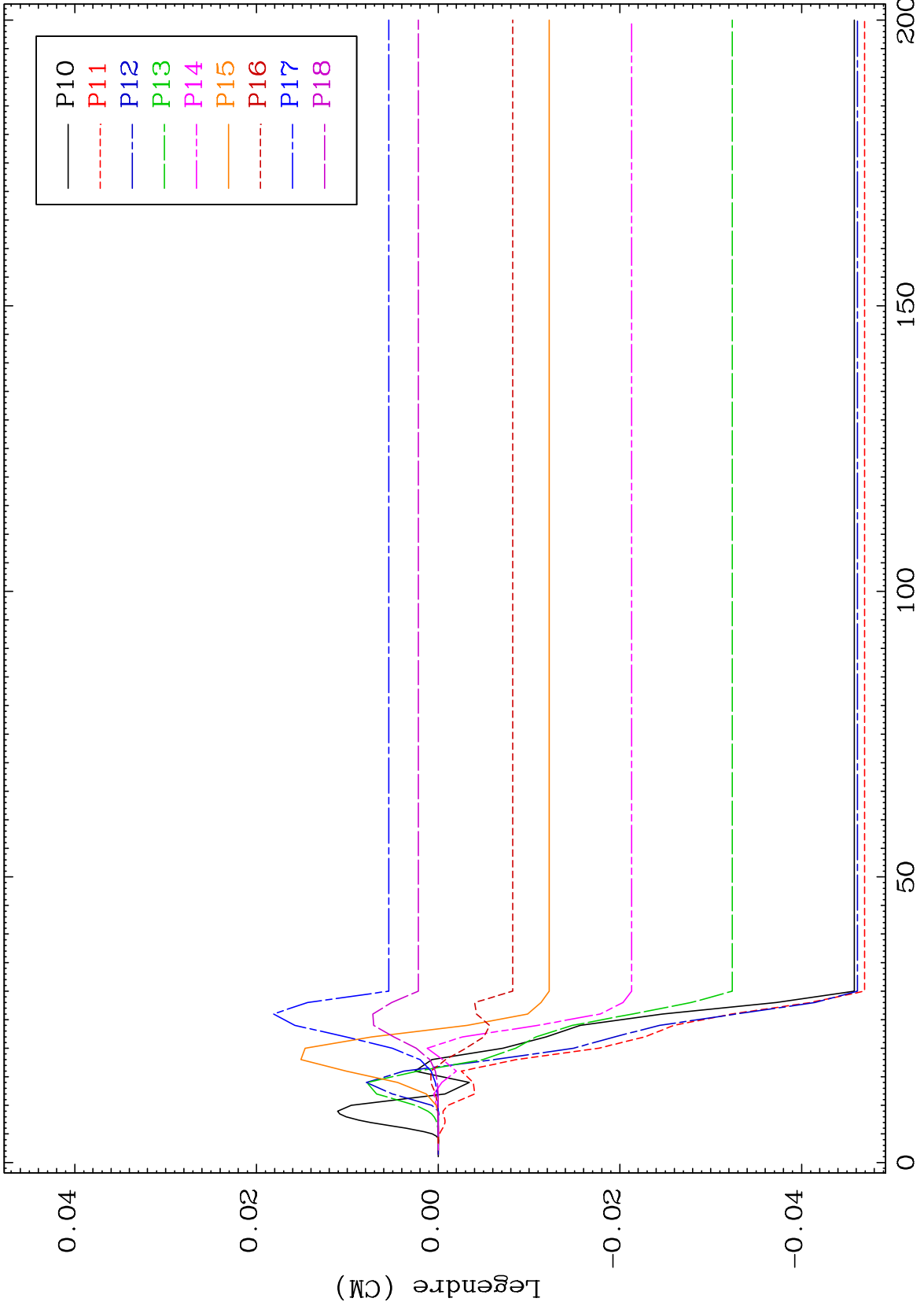
Incident Energy (MeV)

61-Pm-150

MAT 6158

MT= 56 (n,n') Level
Legendre Coefficients

61-Pm-150



39

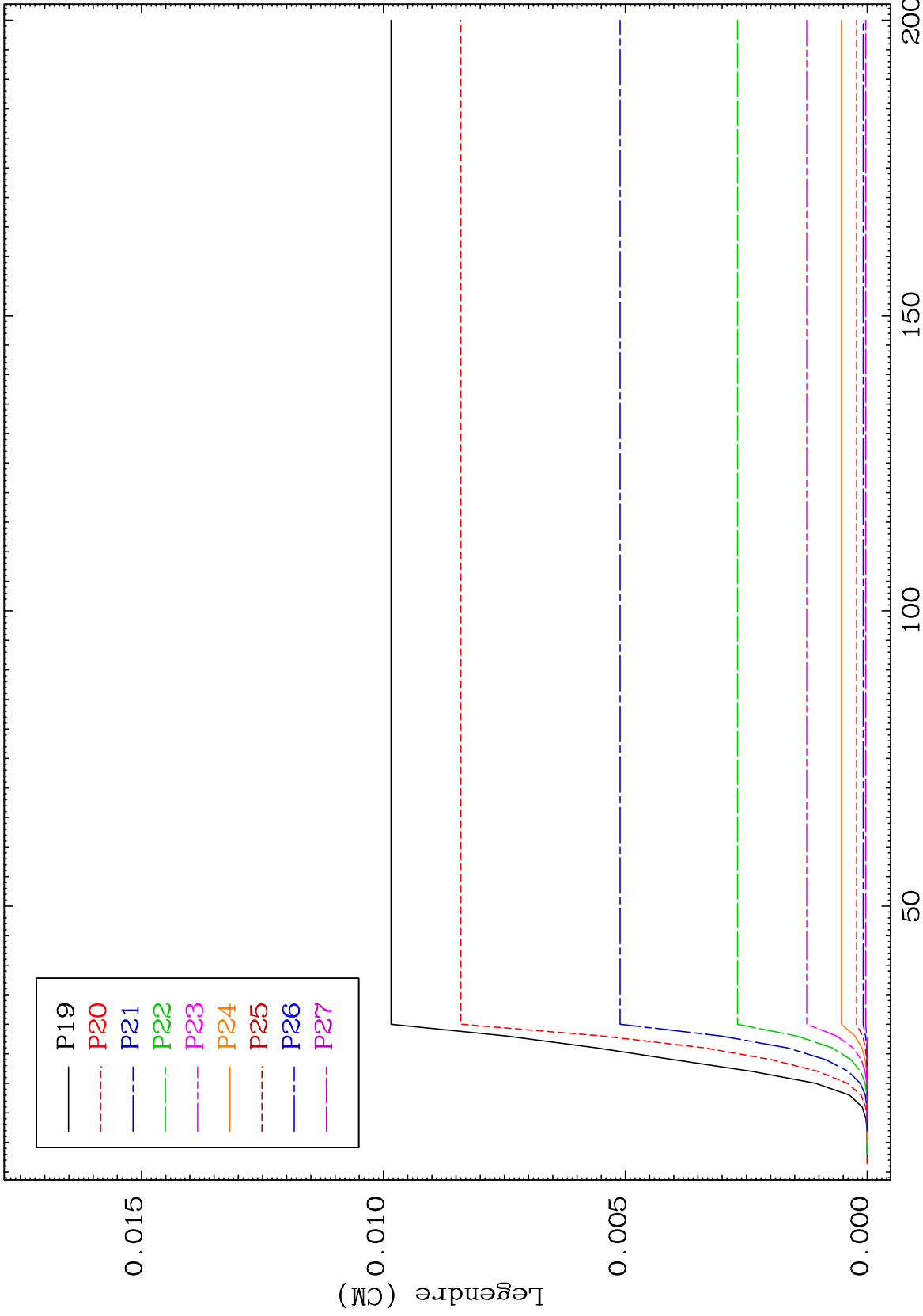
Incident Energy (MeV)

61-Pm-150

MAT 6158

MT= 56 (n,n') Level
Legendre Coefficients

61-Pm-150

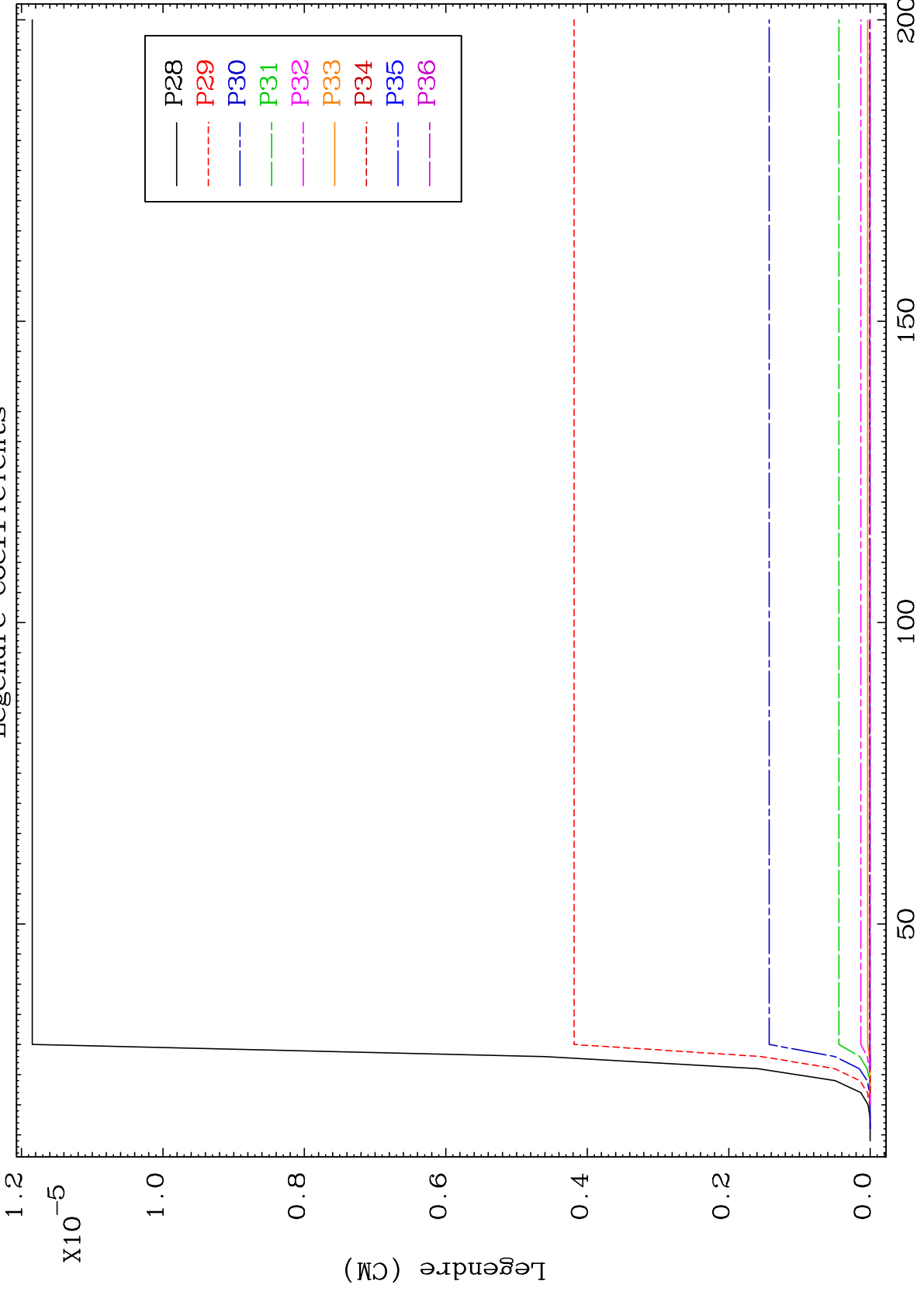


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Incident Energy (MeV)

61-Pm-150

MAT 6158 MT= 56 (n,n') Level Legendre Coefficients 61-Pm-150

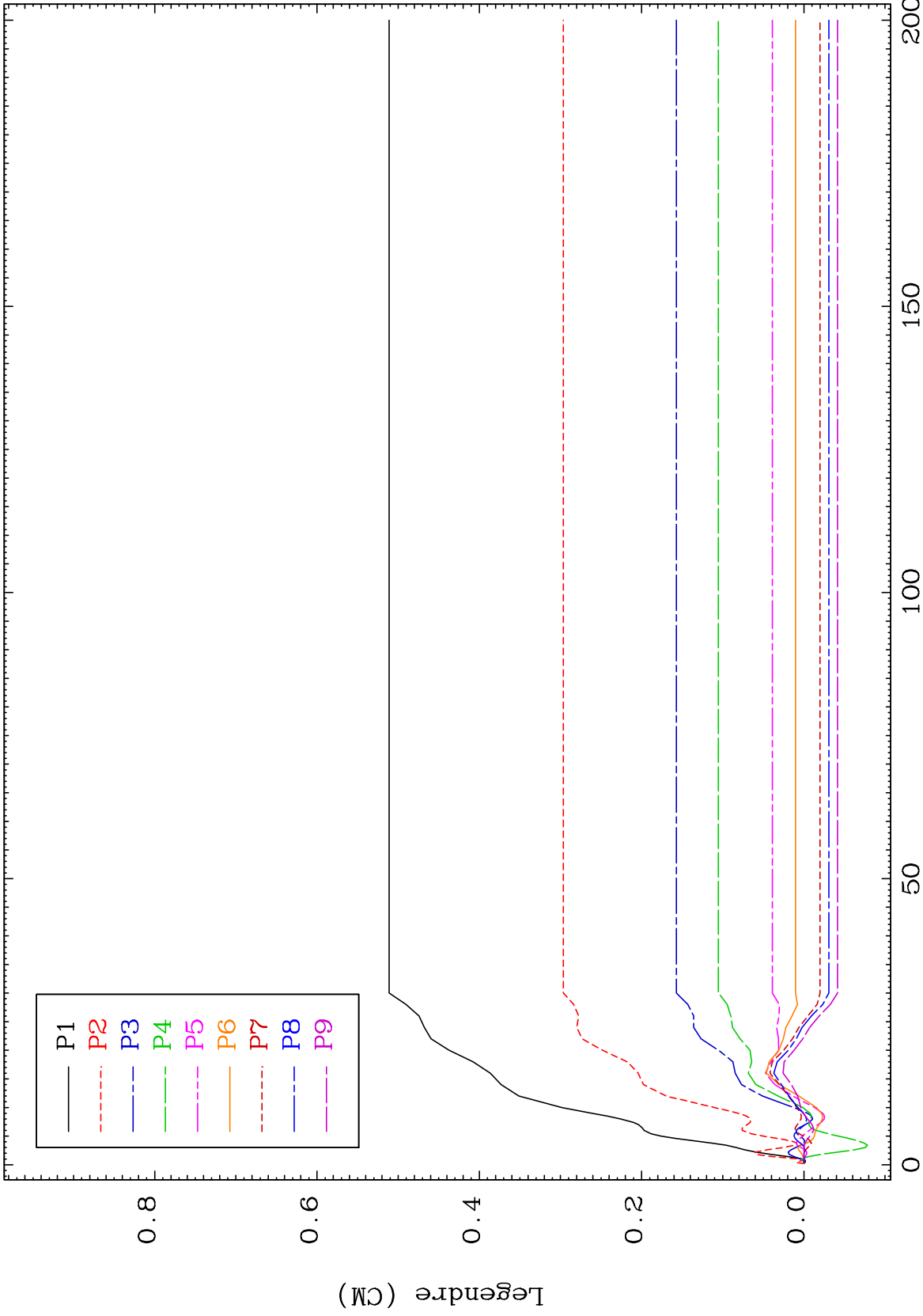


41 61-Pm-150

MAT 6158

MT= 57 (n,n') Level
Legendre Coefficients

61-Pm-150



42

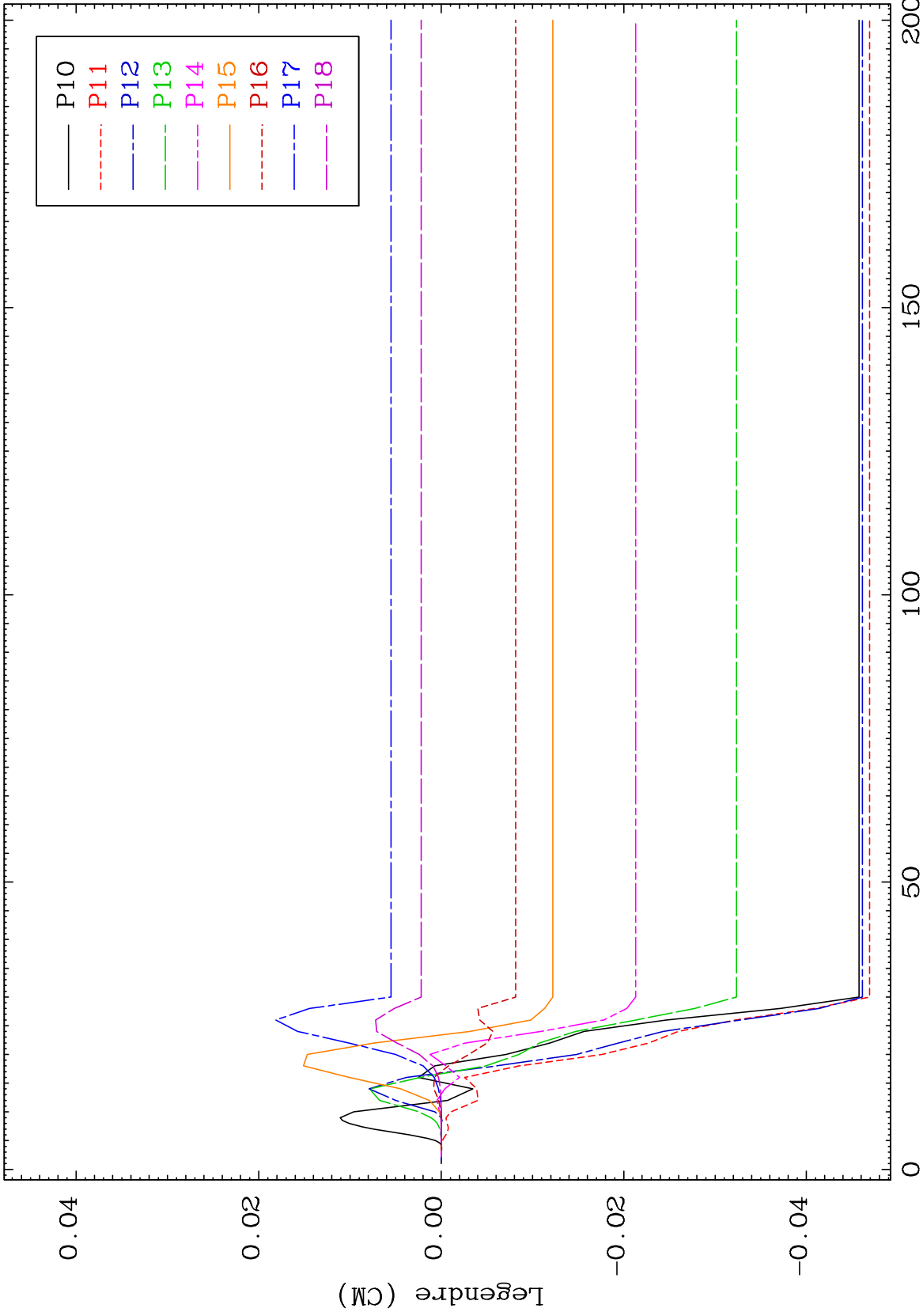
Incident Energy (MeV)

61-Pm-150

MAT 6158

MT= 57 (n,n') Level
Legendre Coefficients

61-Pm-150



43

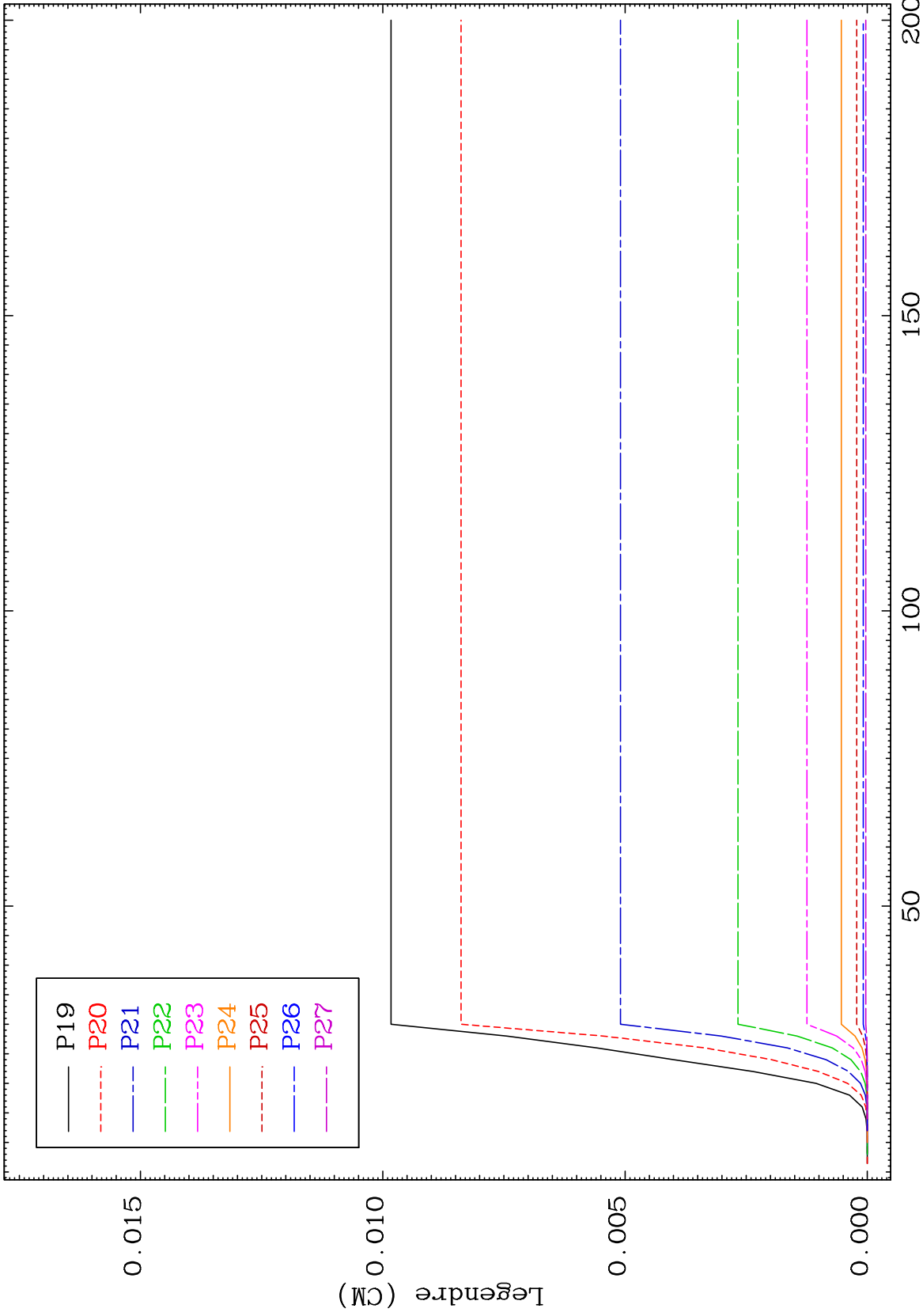
Incident Energy (MeV)

61-Pm-150

MAT 6158

MT= 57 (n,n') Level
Legendre Coefficients

61-Pm-150

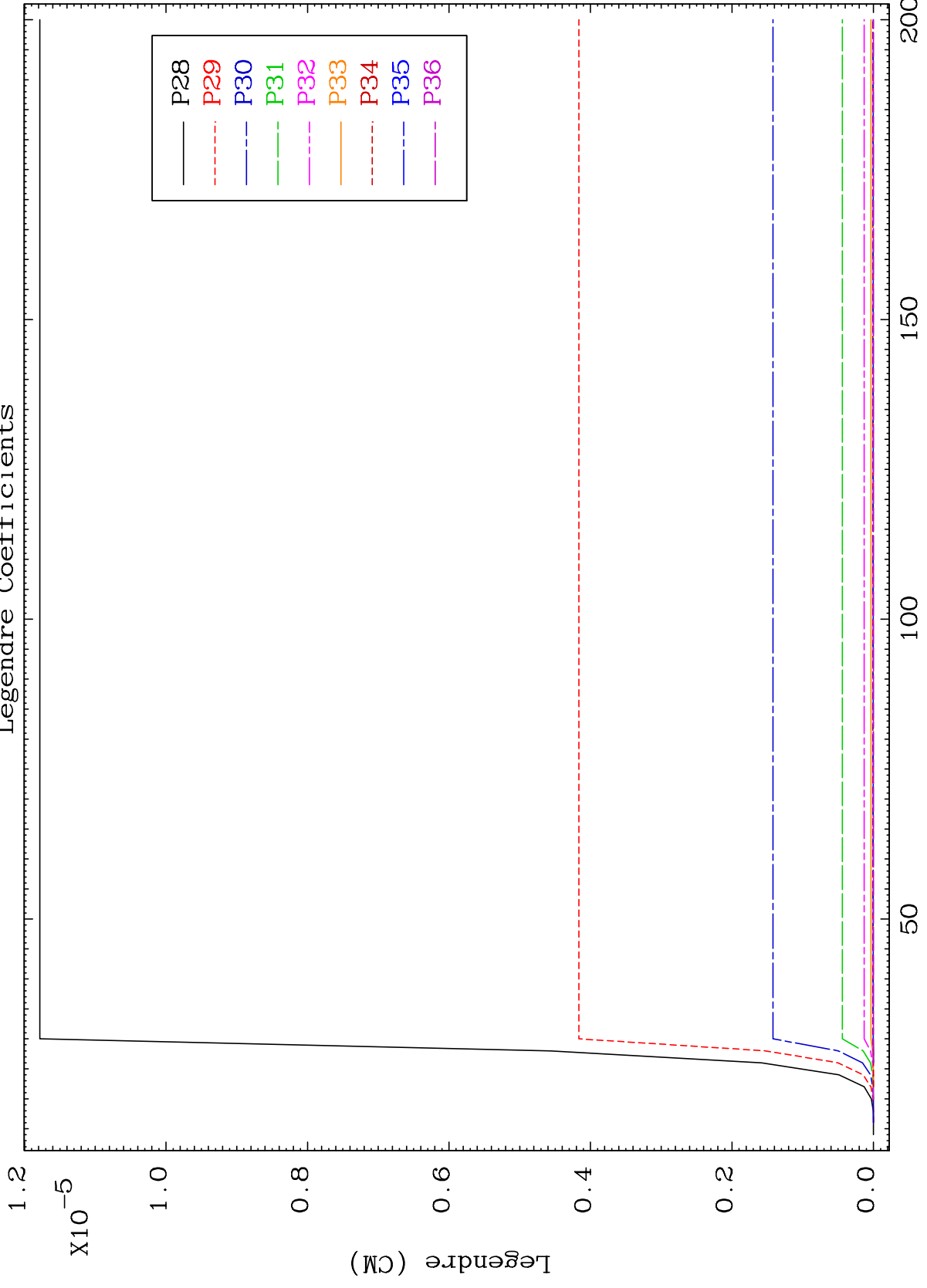


44

Incident Energy (MeV)

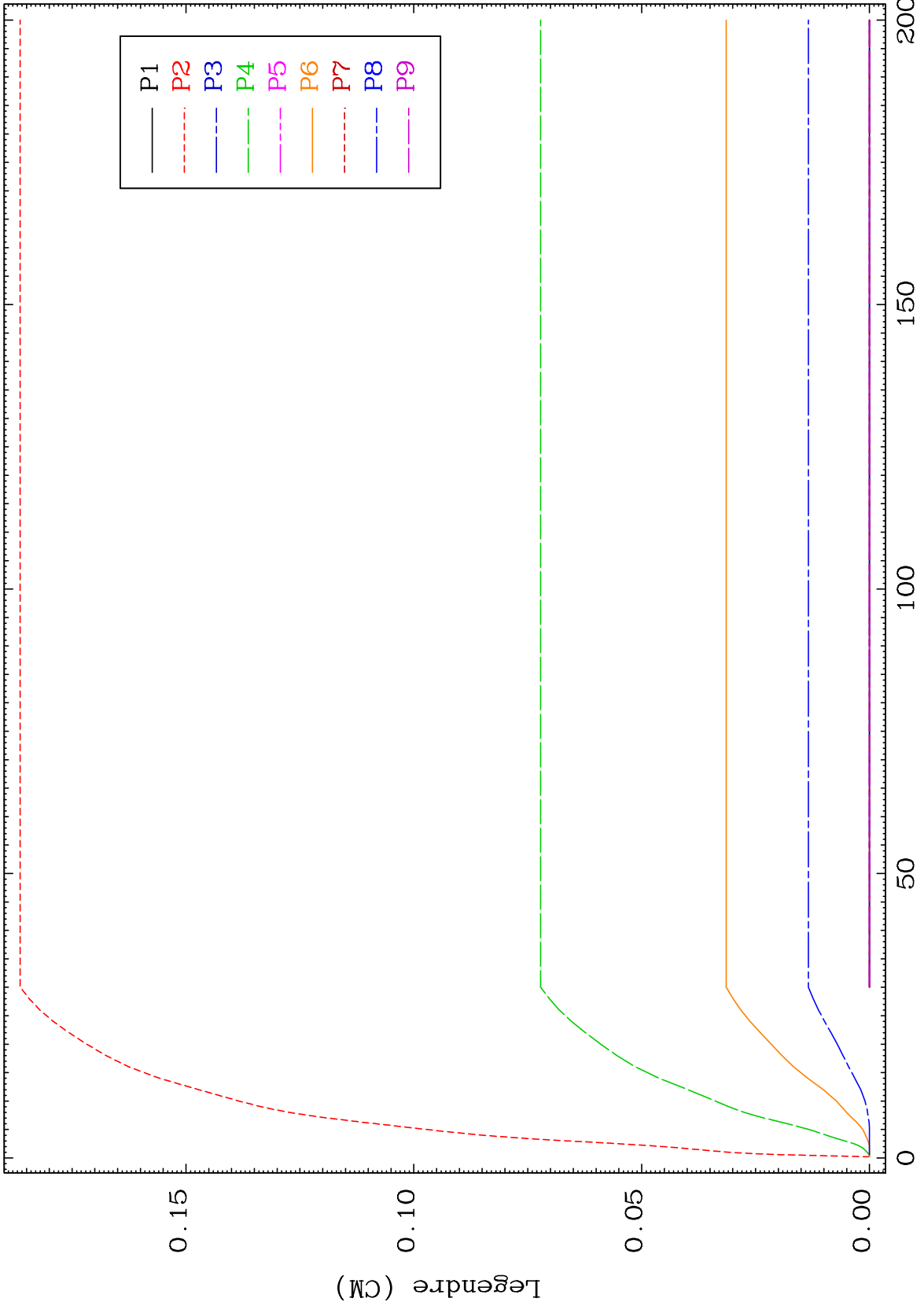
61-Pm-150

MAT 6158 MT= 57 (n,n') Level Legendre Coefficients 61-Pm-150



45 Incident Energy (MeV) 61-Pm-150

MAT 6158 MT= 58 (n,n') Level Legendre Coefficients 61-Pm-150

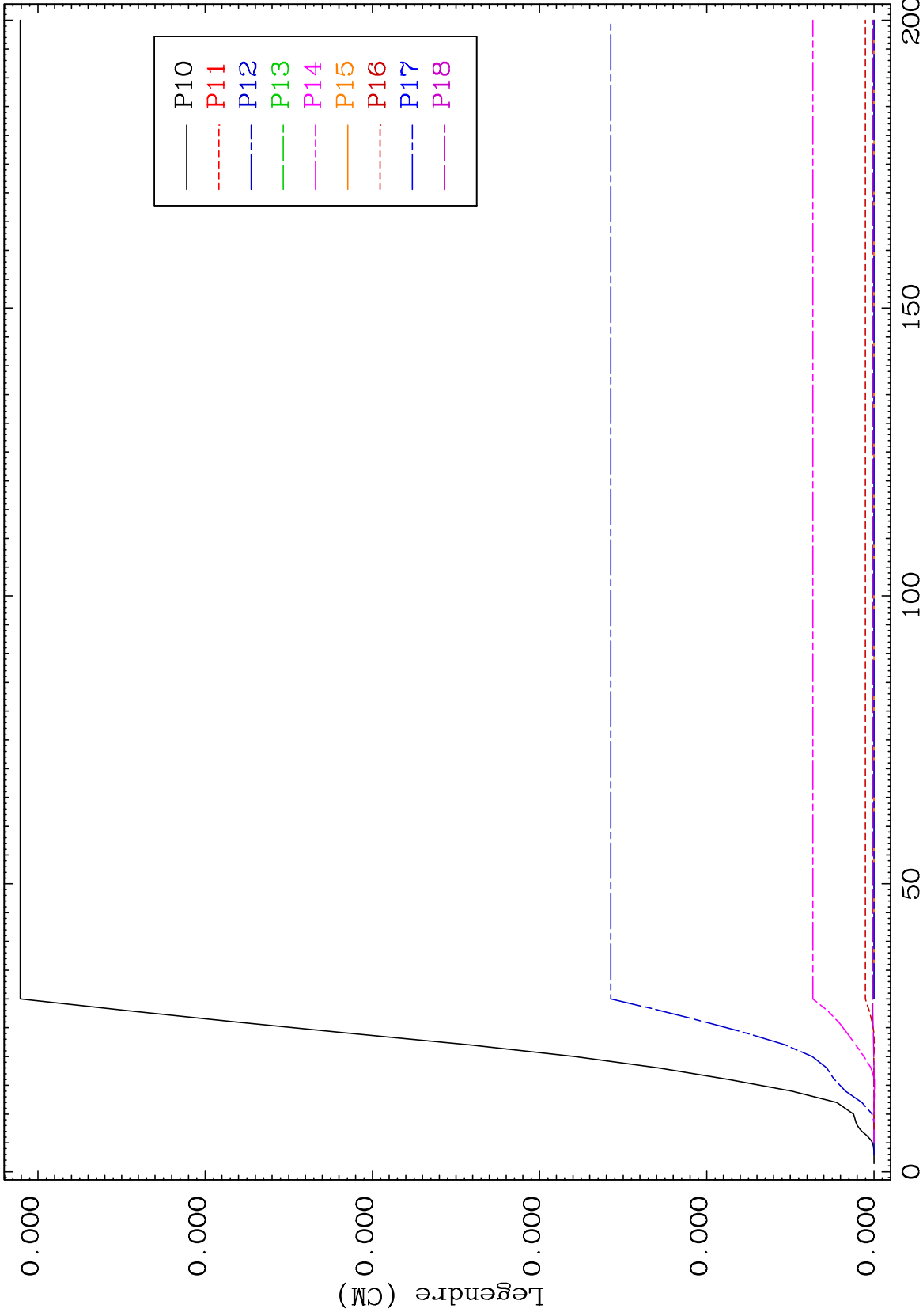


46 61-Pm-150

MAT 6158

MT= 58 (n,n') Level
Legendre Coefficients

61-Pm-150

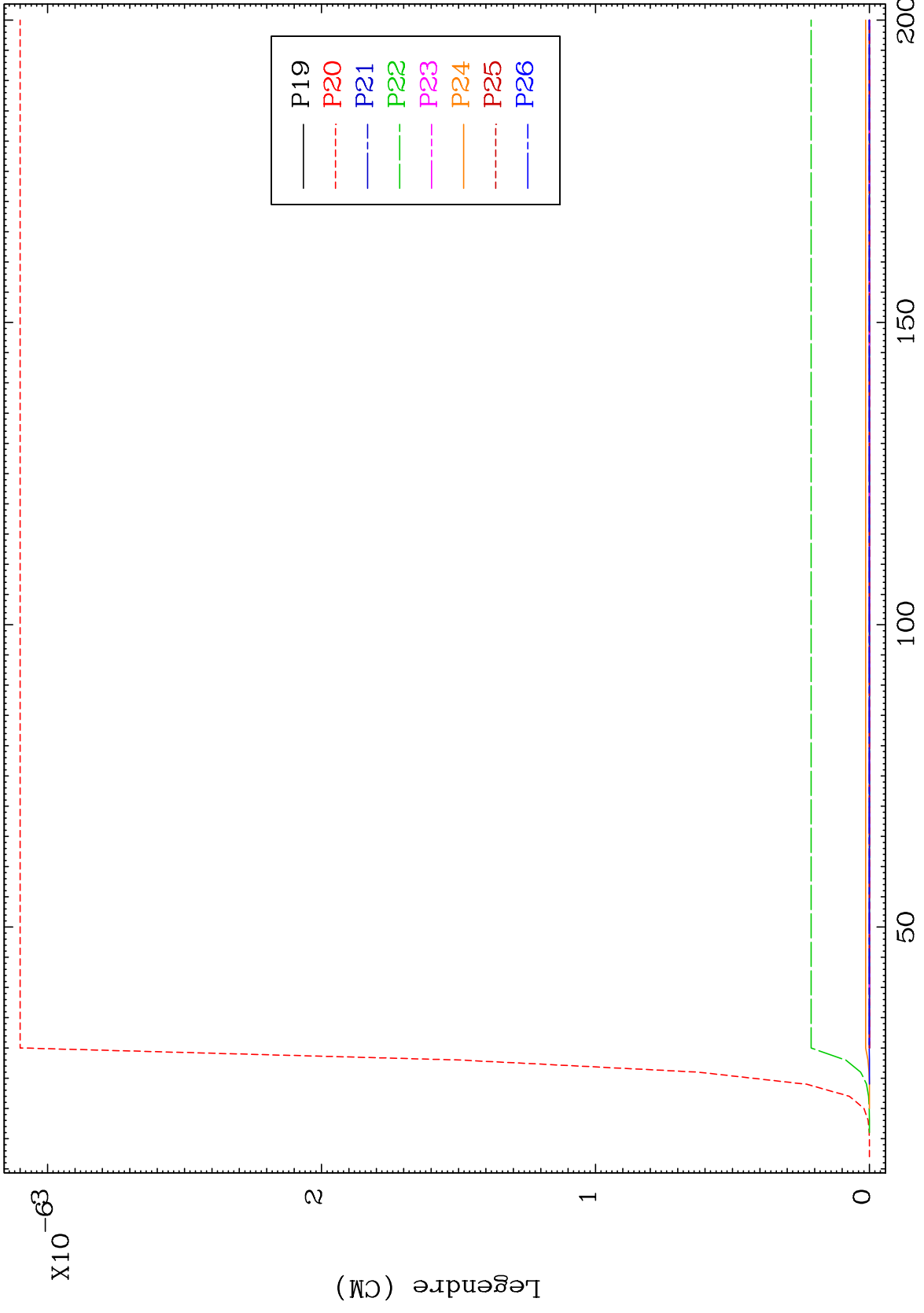


47

Incident Energy (MeV)

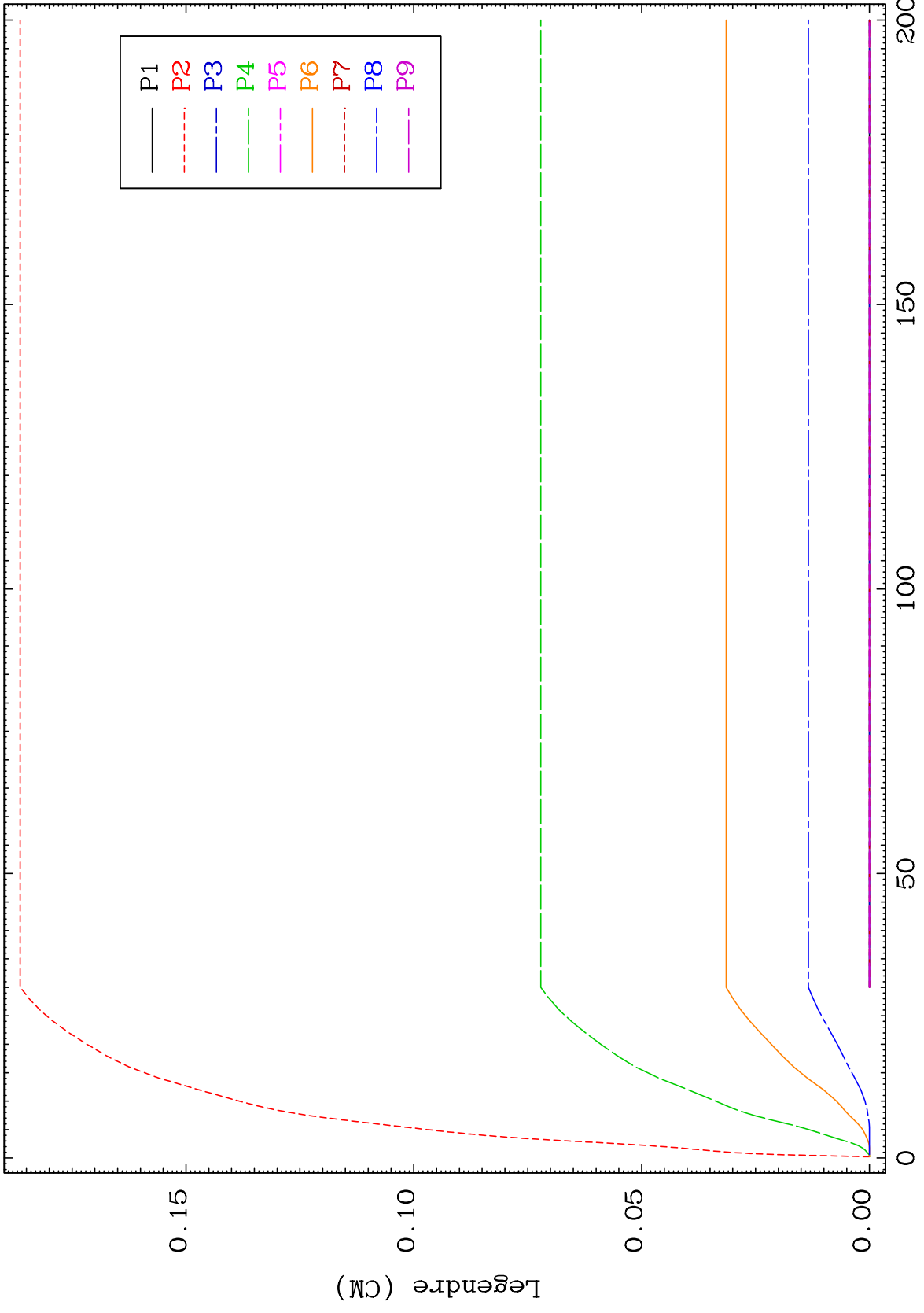
61-Pm-150

MAT 6158 MT= 58 (n,n') Level Legendre Coefficients 61-Pm-150



48 50 100 150 200 61-Pm-150

MAT 6158 MT= 59 (n,n') Level Legendre Coefficients 61-Pm-150

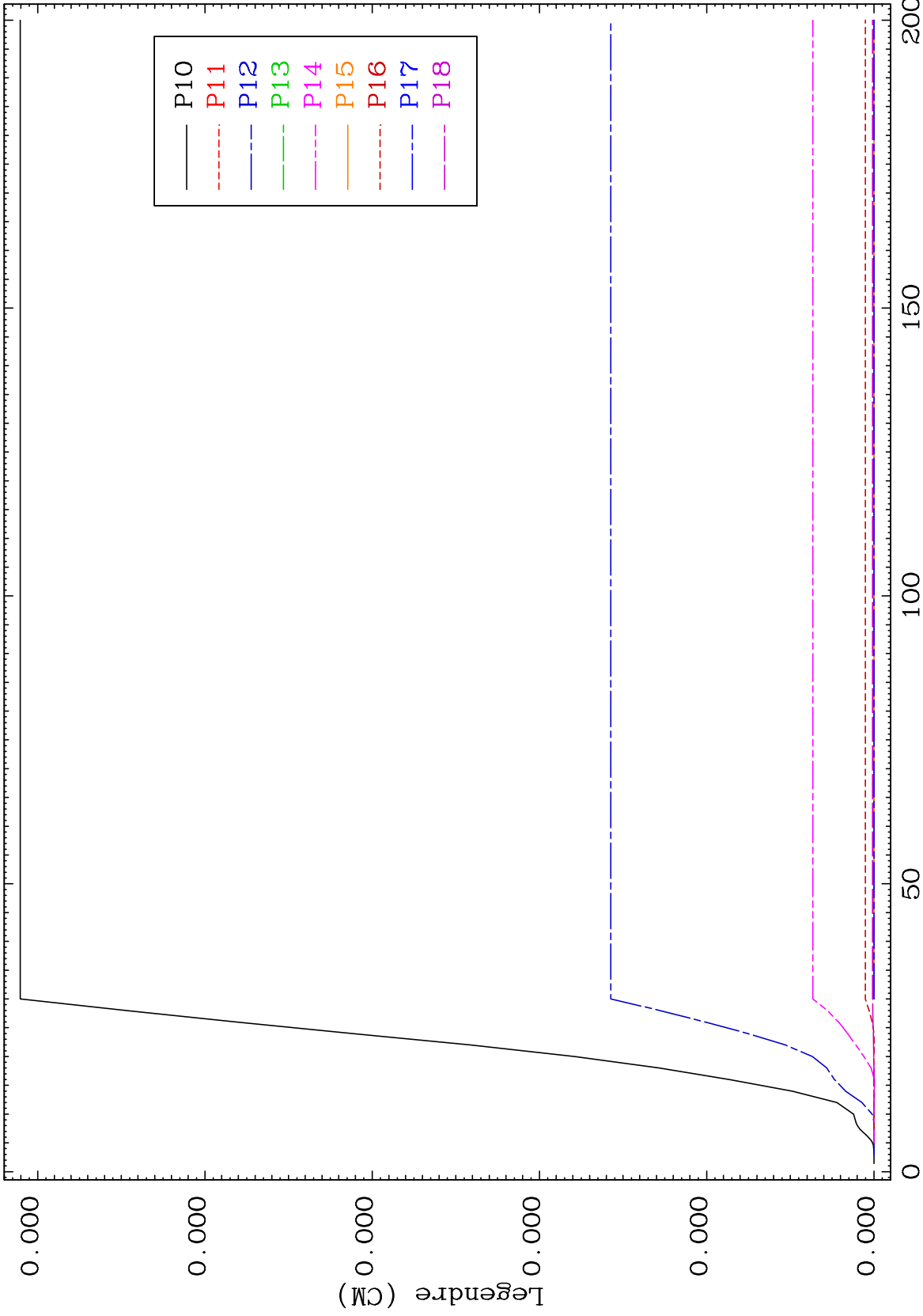


49 61-Pm-150

MAT 6158

MT= 59 (n,n') Level
Legendre Coefficients

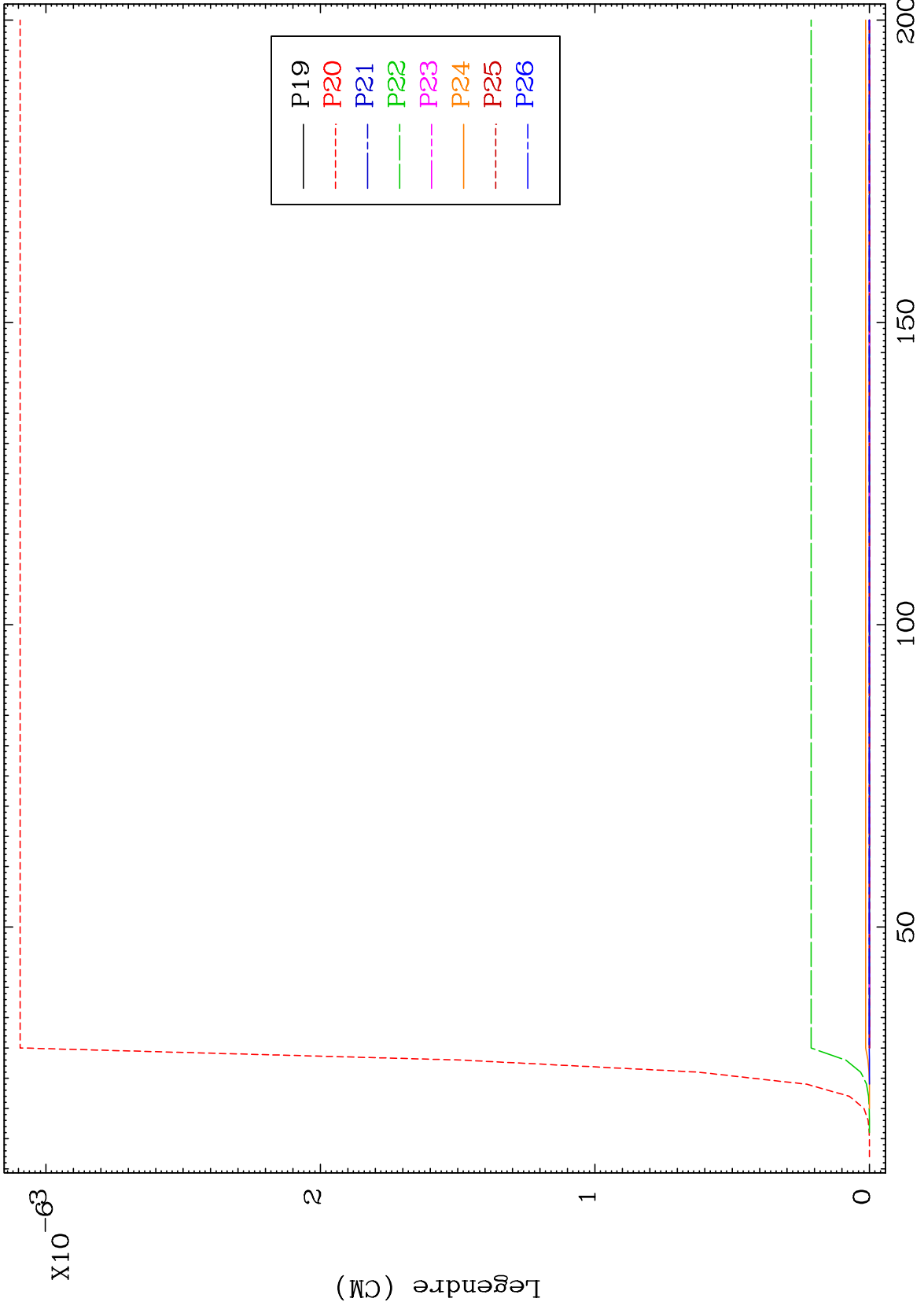
61-Pm-150



Incident Energy (MeV)

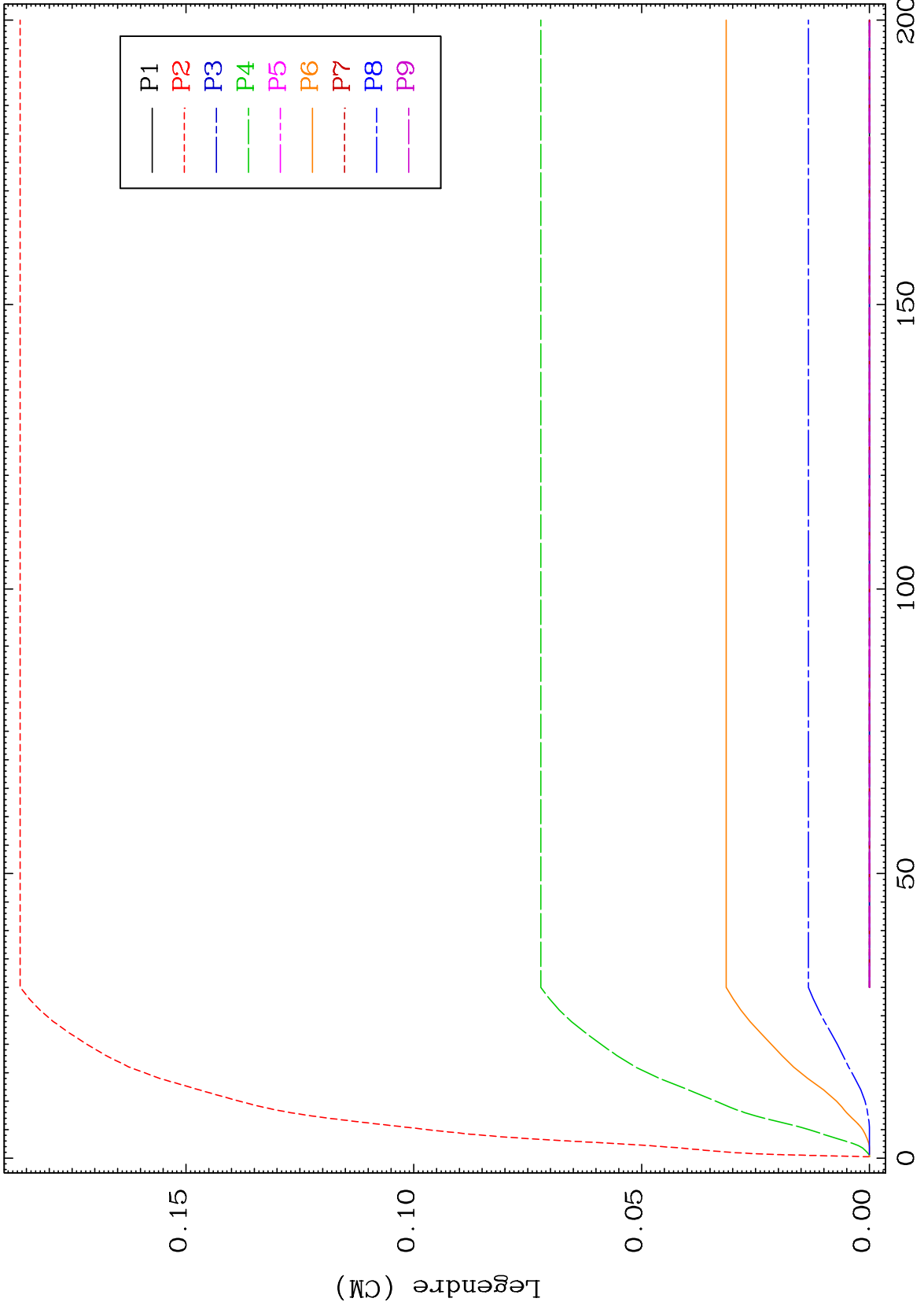
61-Pm-150

MAT 6158 MT= 59 (n,n') Level Legendre Coefficients 61-Pm-150



51 Incident Energy (MeV) 61-Pm-150

MAT 6158 MT= 60 (n,n') Level Legendre Coefficients 61-Pm-150

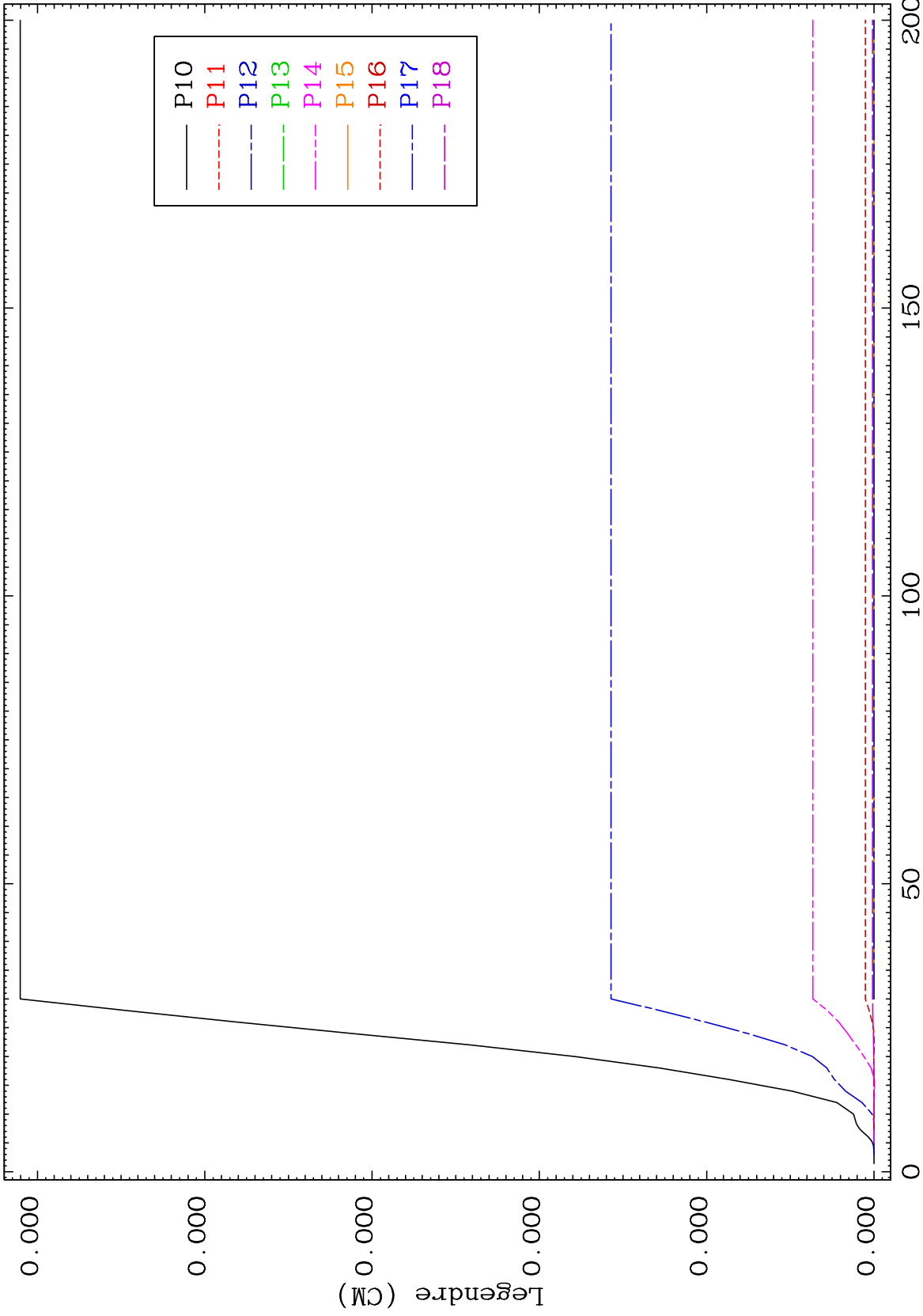


Incident Energy (MeV) 52 61-Pm-150

MAT 6158

MT= 60 (n,n') Level
Legendre Coefficients

61-Pm-150

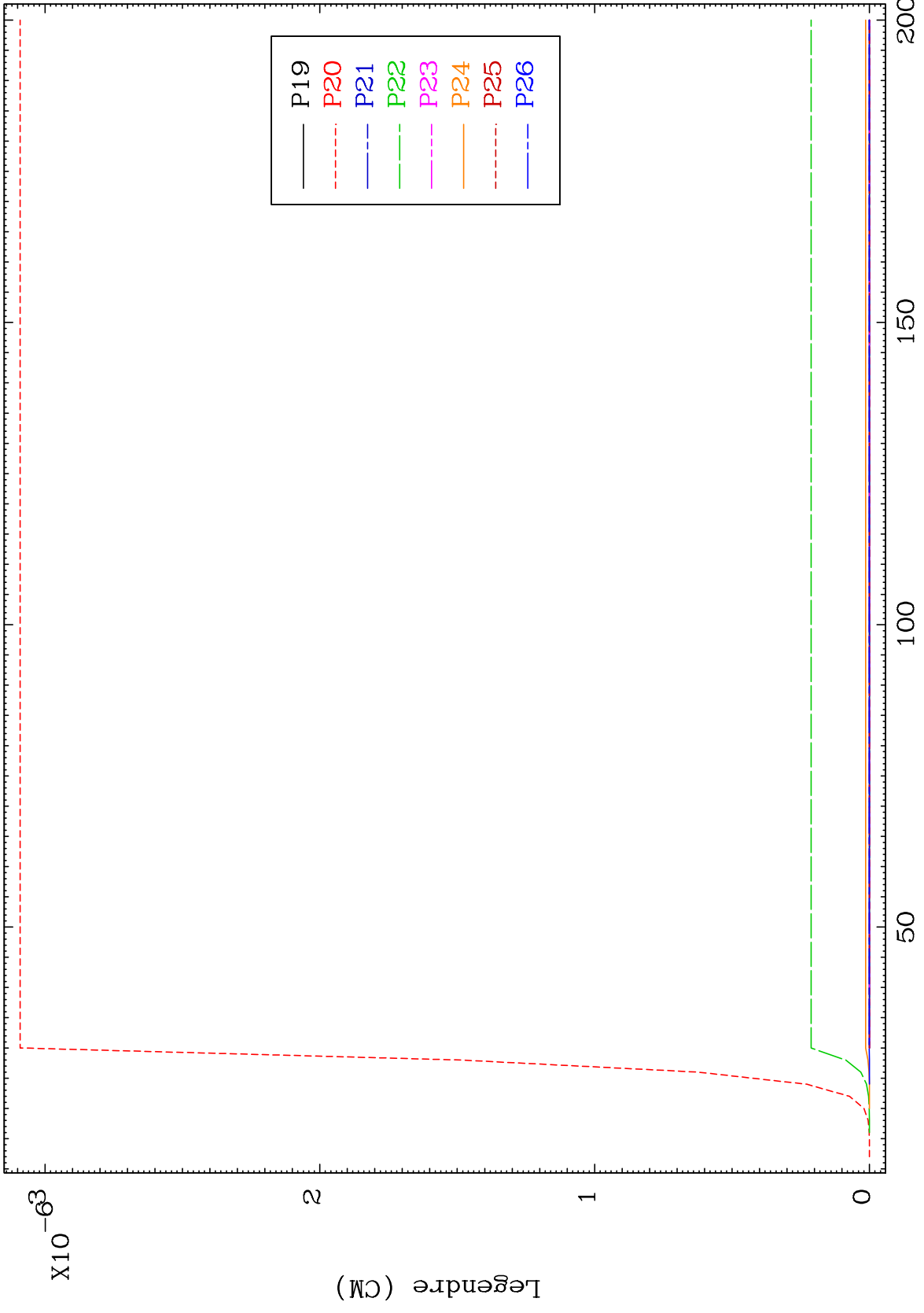


53

Incident Energy (MeV)

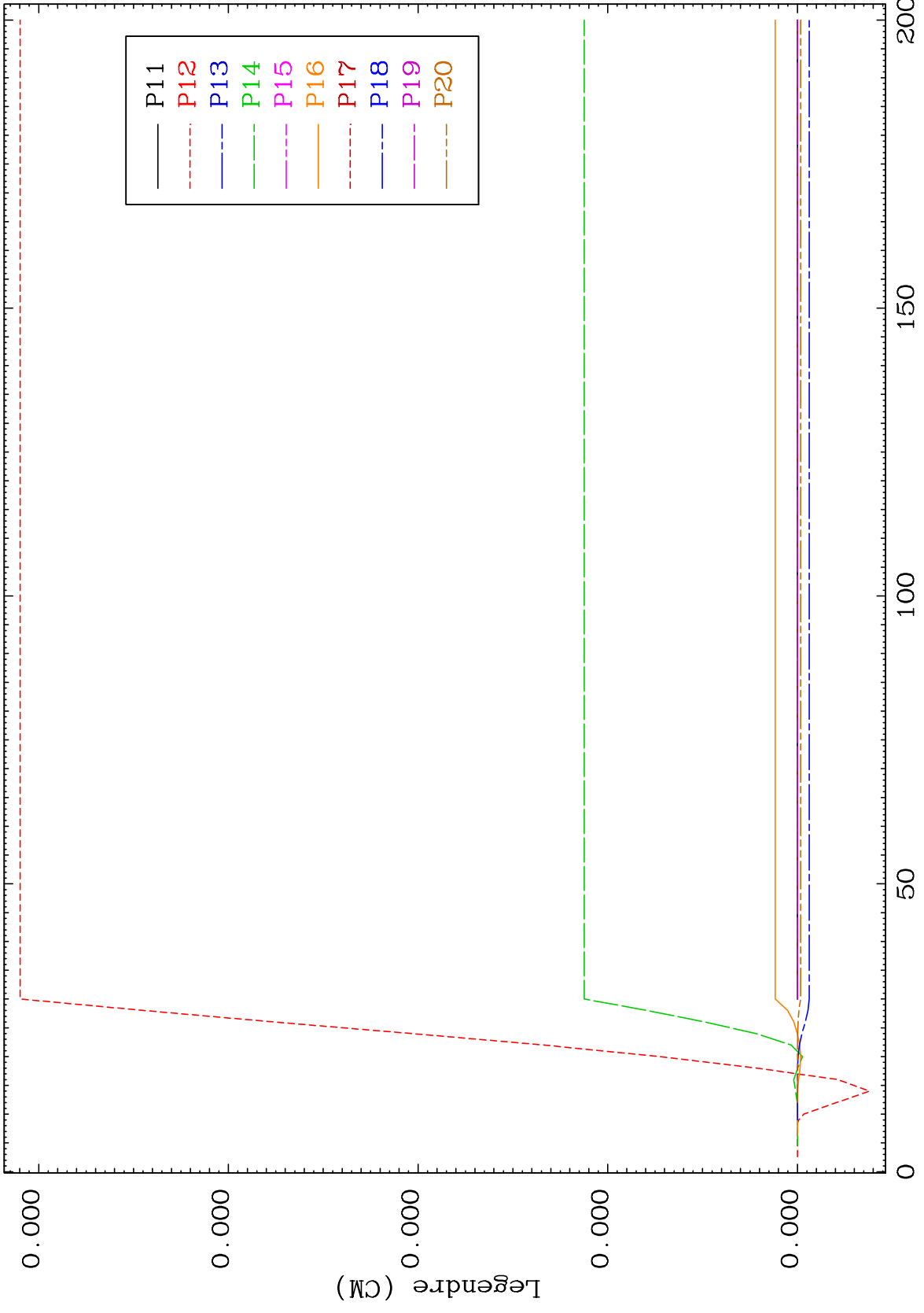
61-Pm-150

MAT 6158 MT= 60 (n,n') Level Legendre Coefficients 61-Pm-150



54 61-Pm-150

MAT 6158 MT= 61 (n,n') Level Legendre Coefficients 61-Pm-150

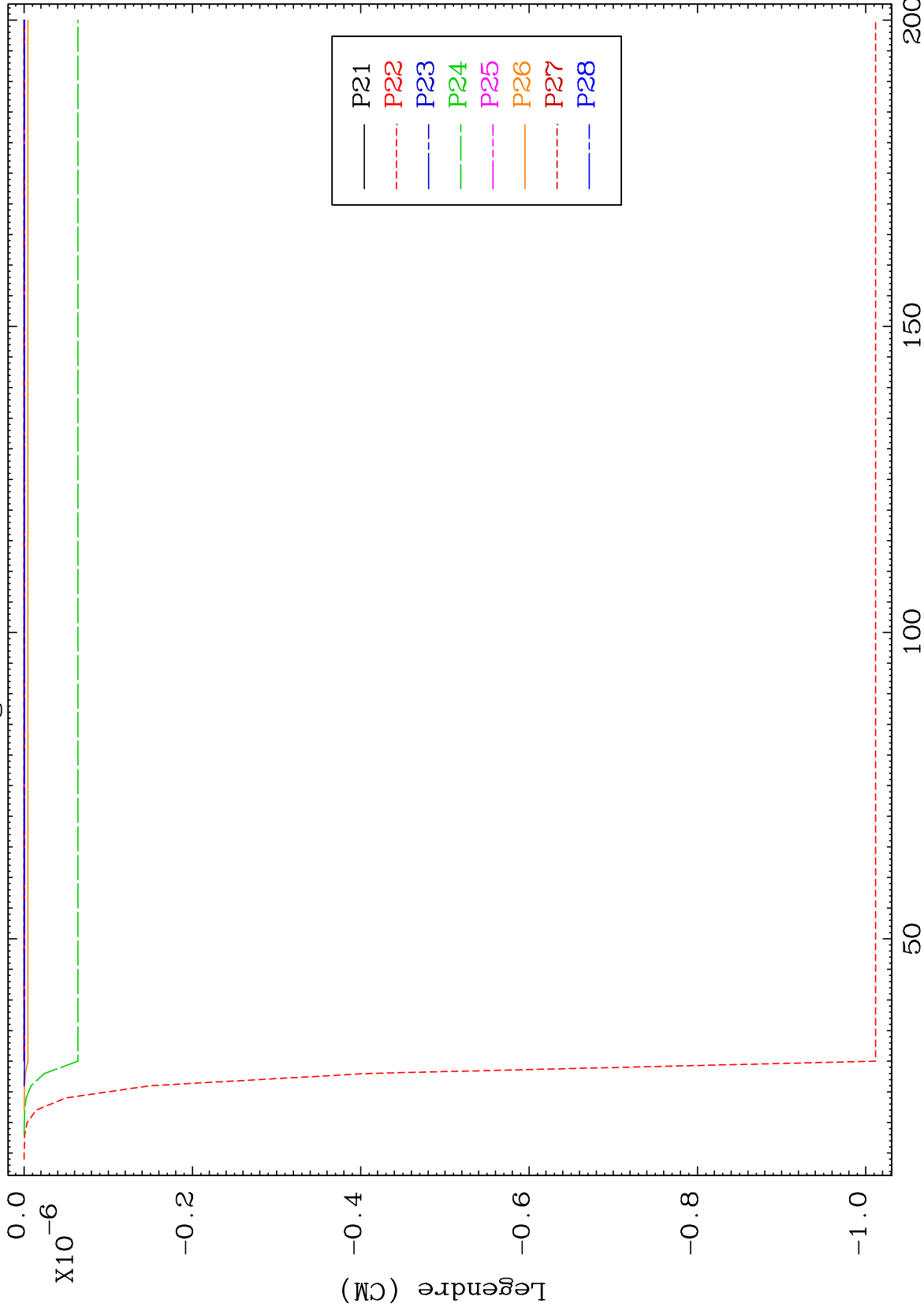


56 61-Pm-150

MAT 6158 MT= 61 (n,n') Level

Legendre Coefficients

61-Pm-150

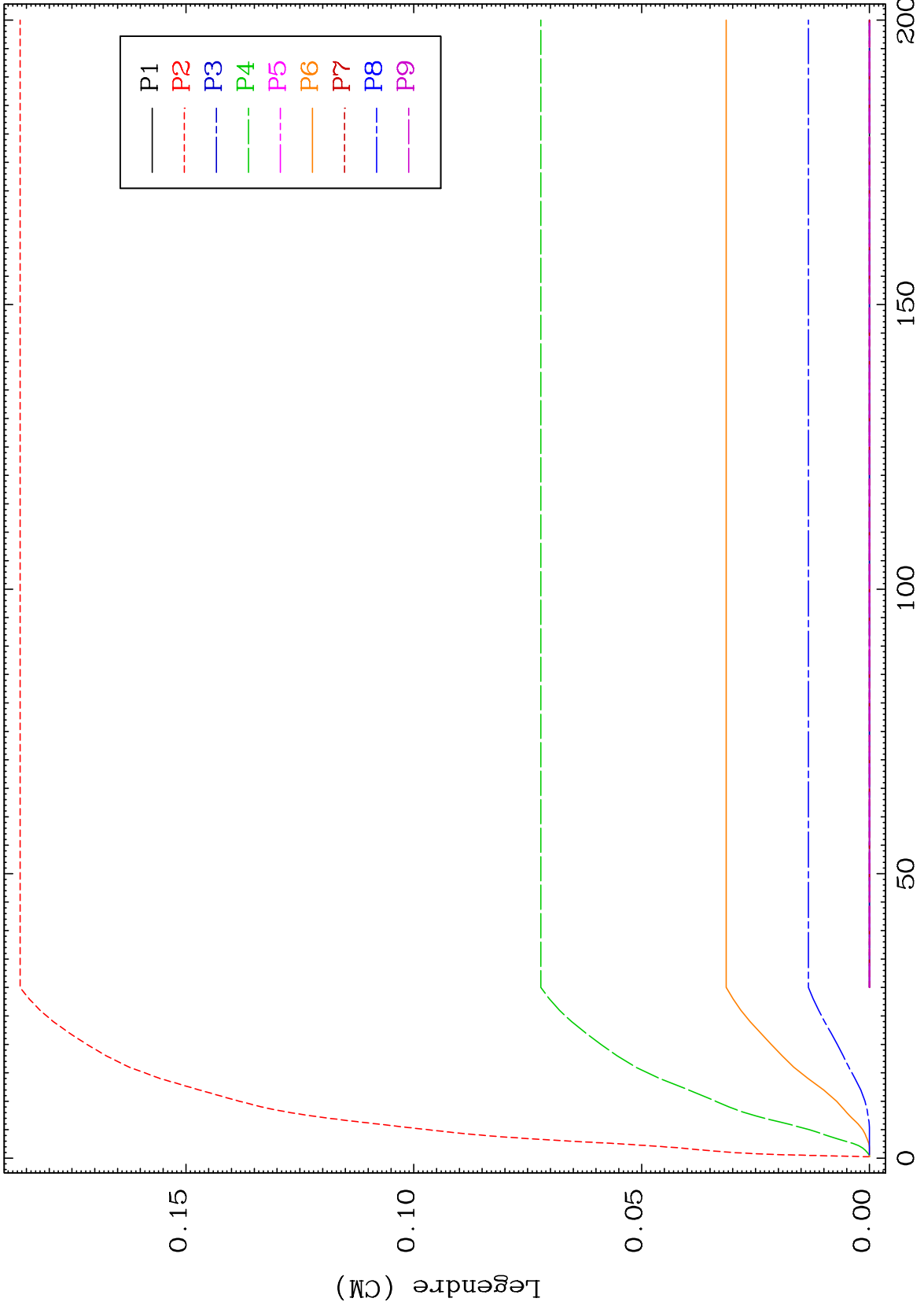


61-Pm-150

Incident Energy (MeV)

57

MAT 6158 MT= 62 (n,n') Level Legendre Coefficients 61-Pm-150

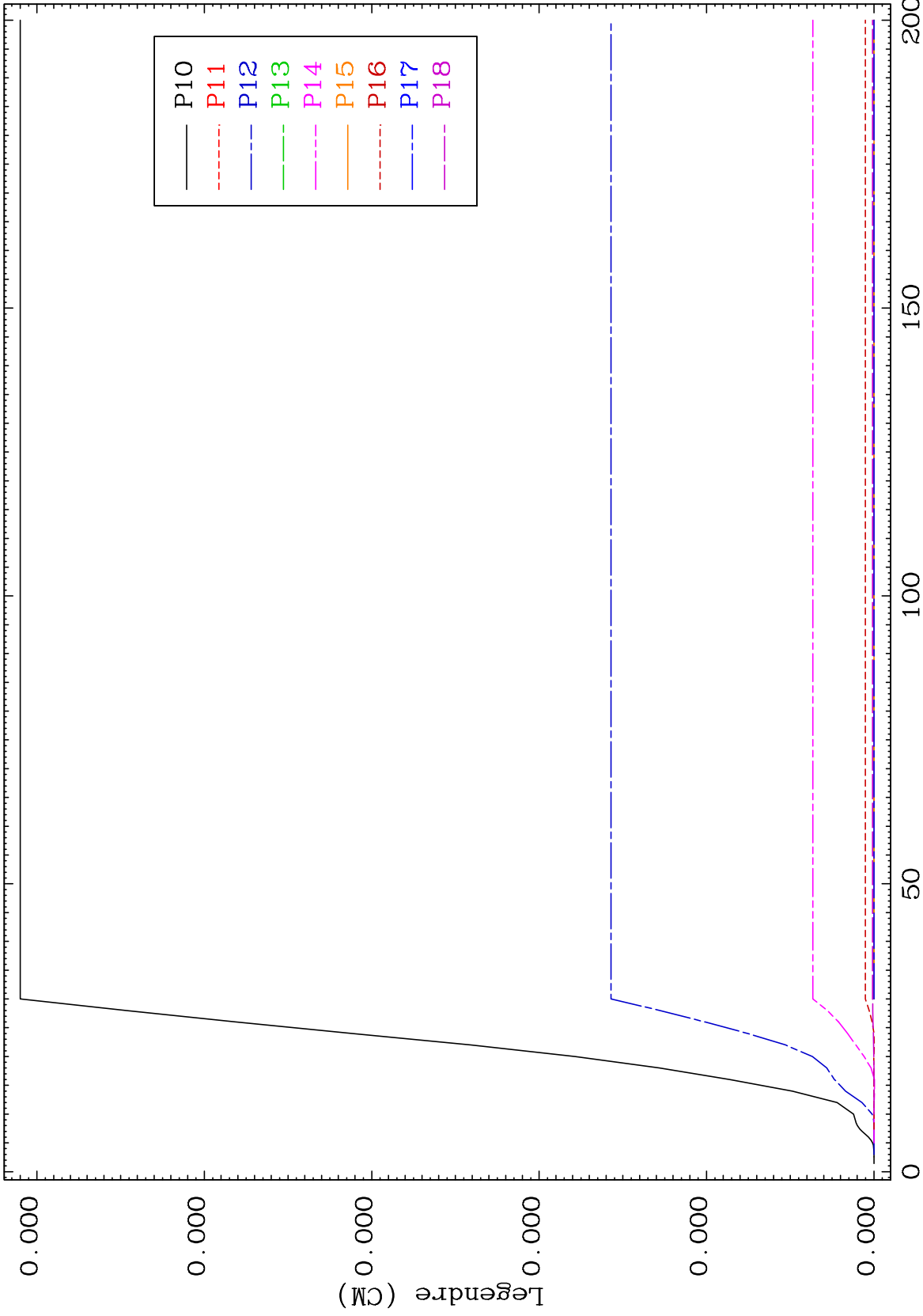


61-Pm-150

MAT 6158

MT= 62 (n,n') Level
Legendre Coefficients

61-Pm-150

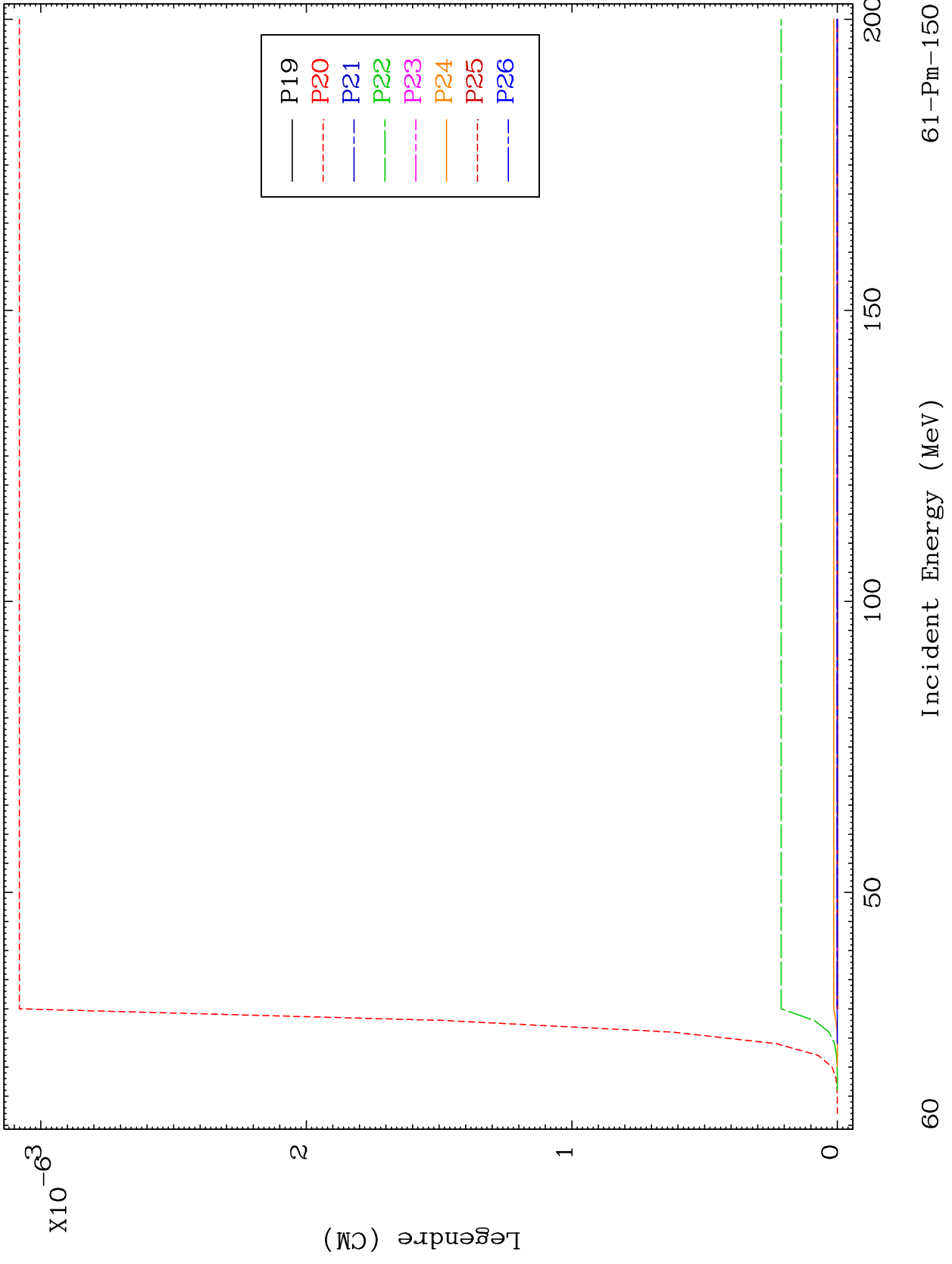


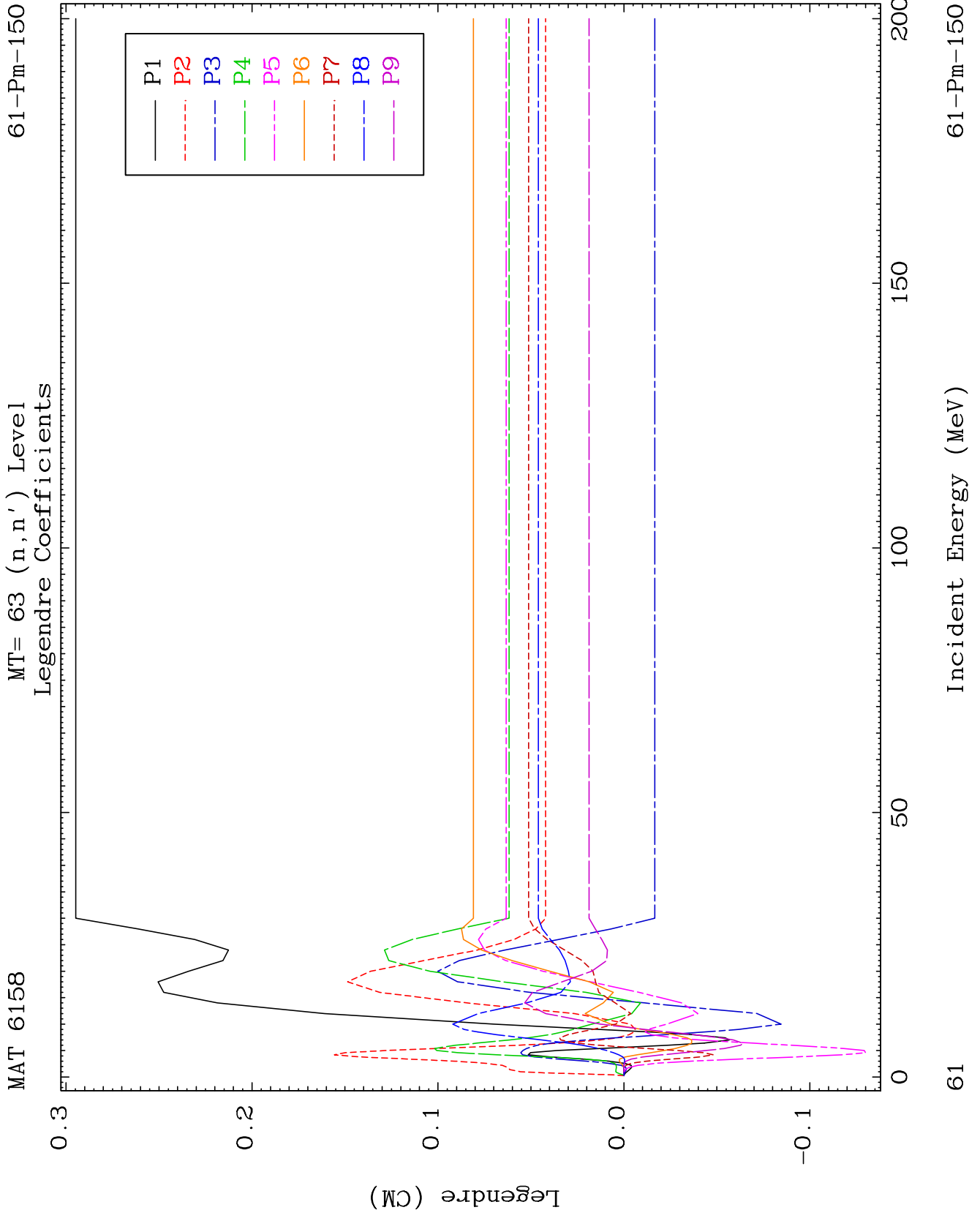
59

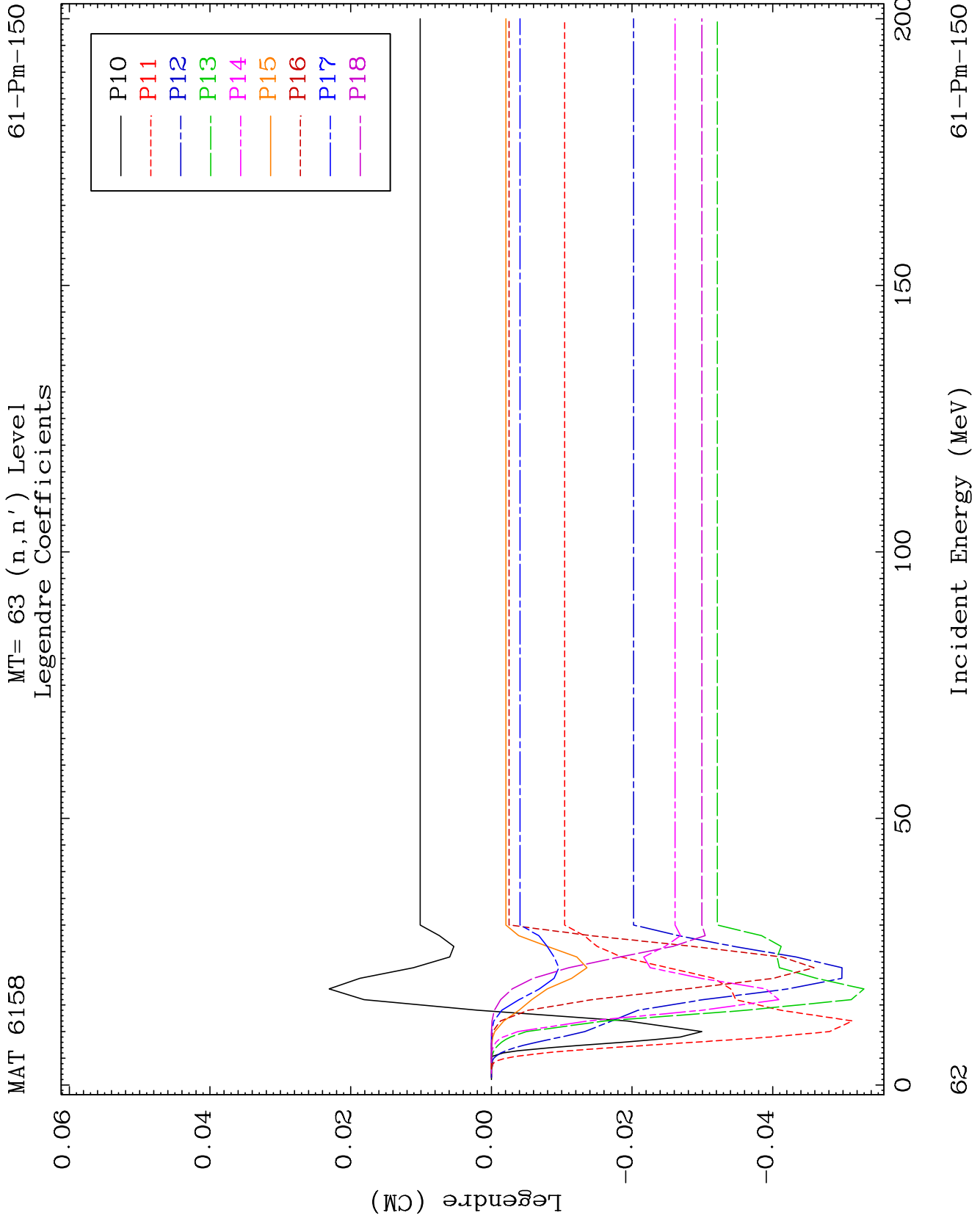
Incident Energy (MeV)

61-Pm-150

MAT 6158 MT= 62 (n,n') Level Legendre Coefficients 61-Pm-150



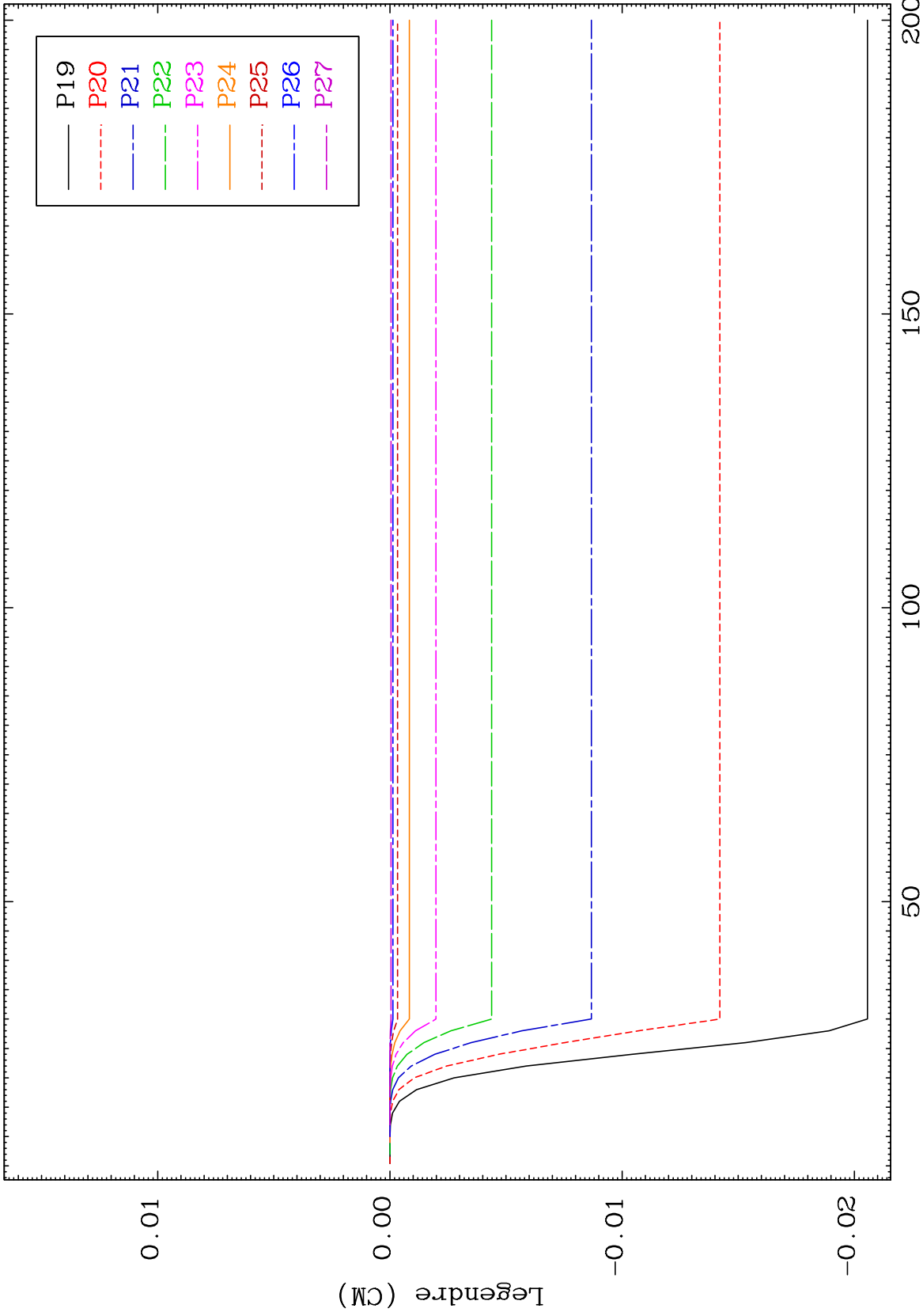




MAT 6158

MT= 63 (n,n') Level
Legendre Coefficients

61-Pm-150

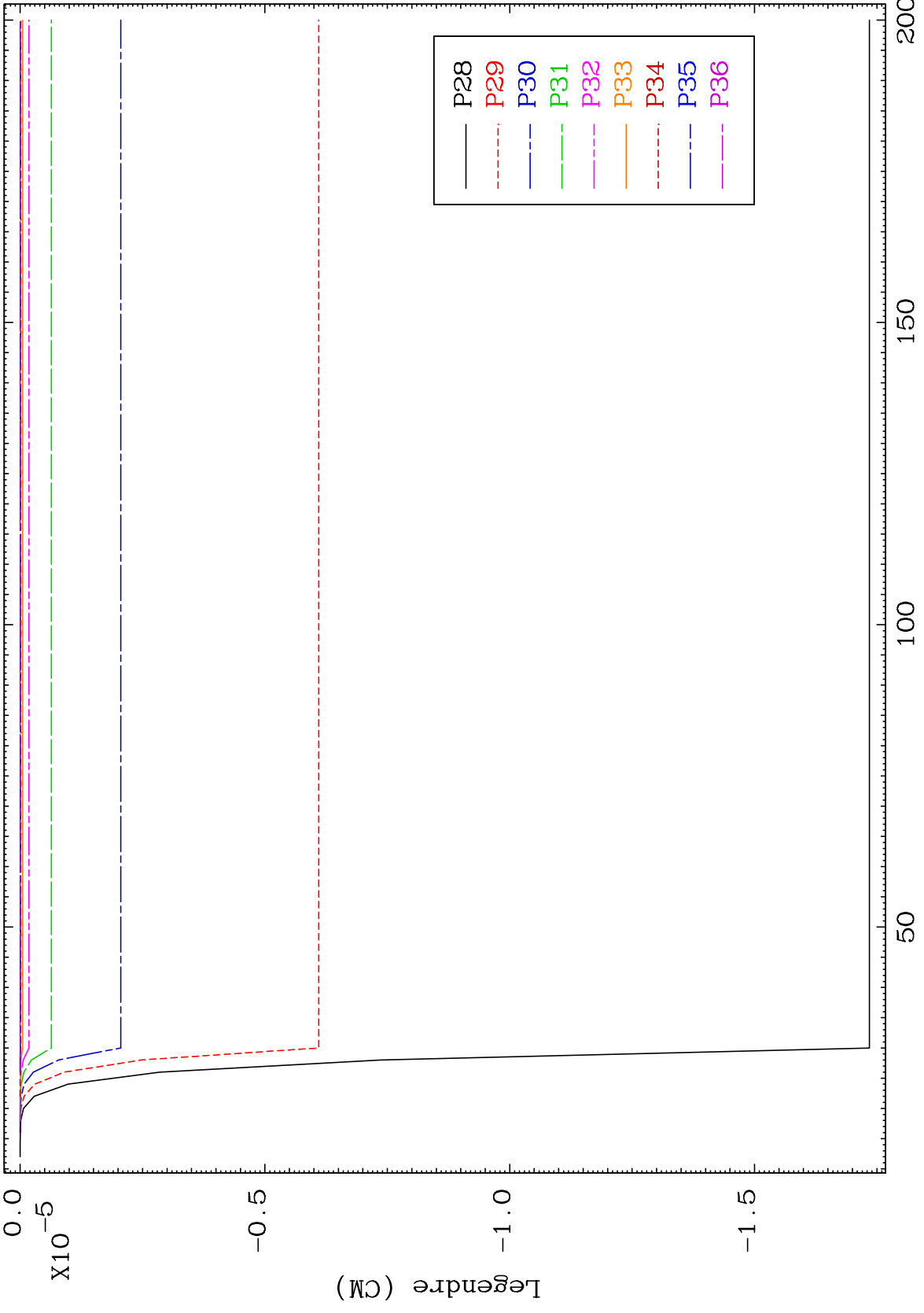


63

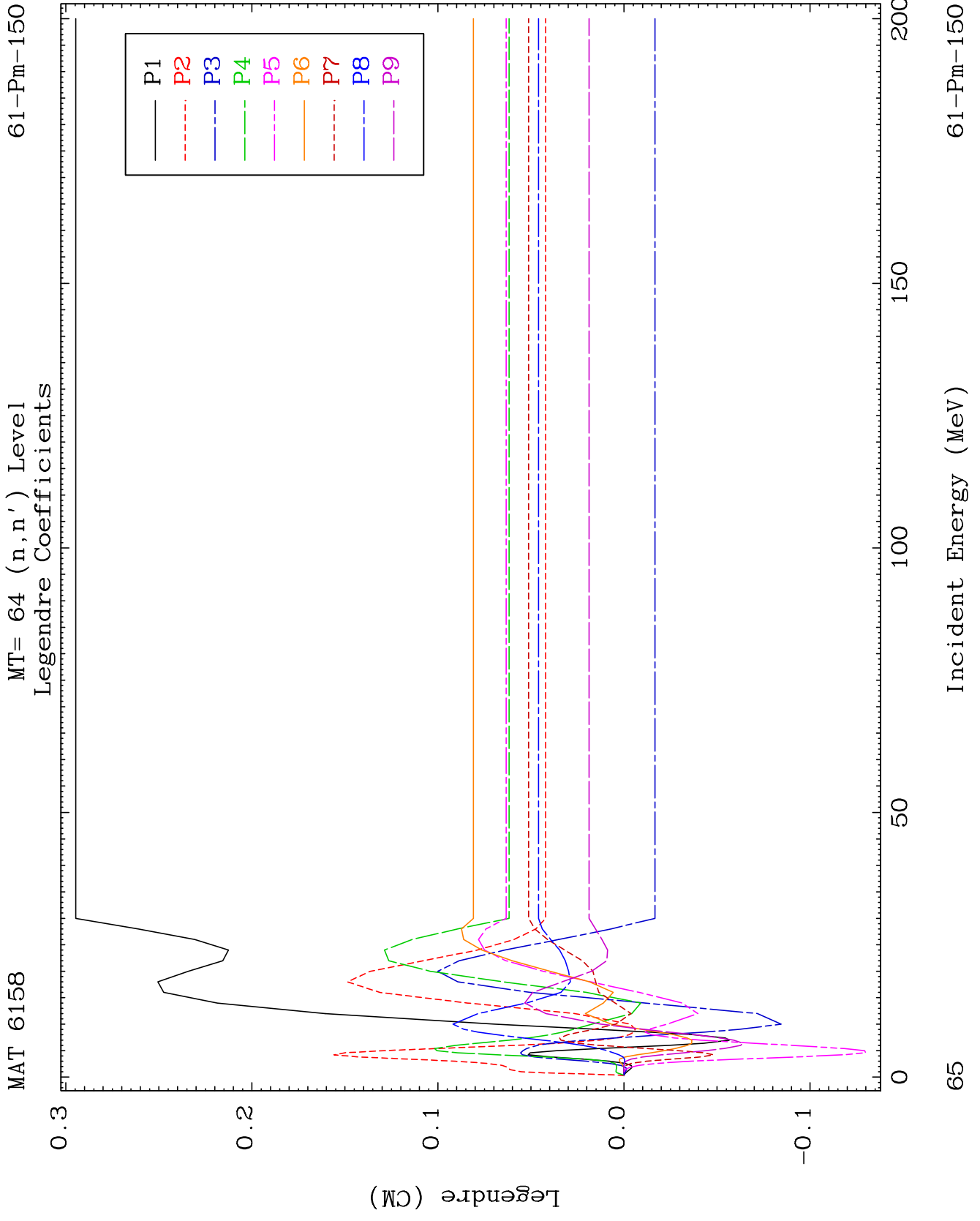
Incident Energy (MeV)

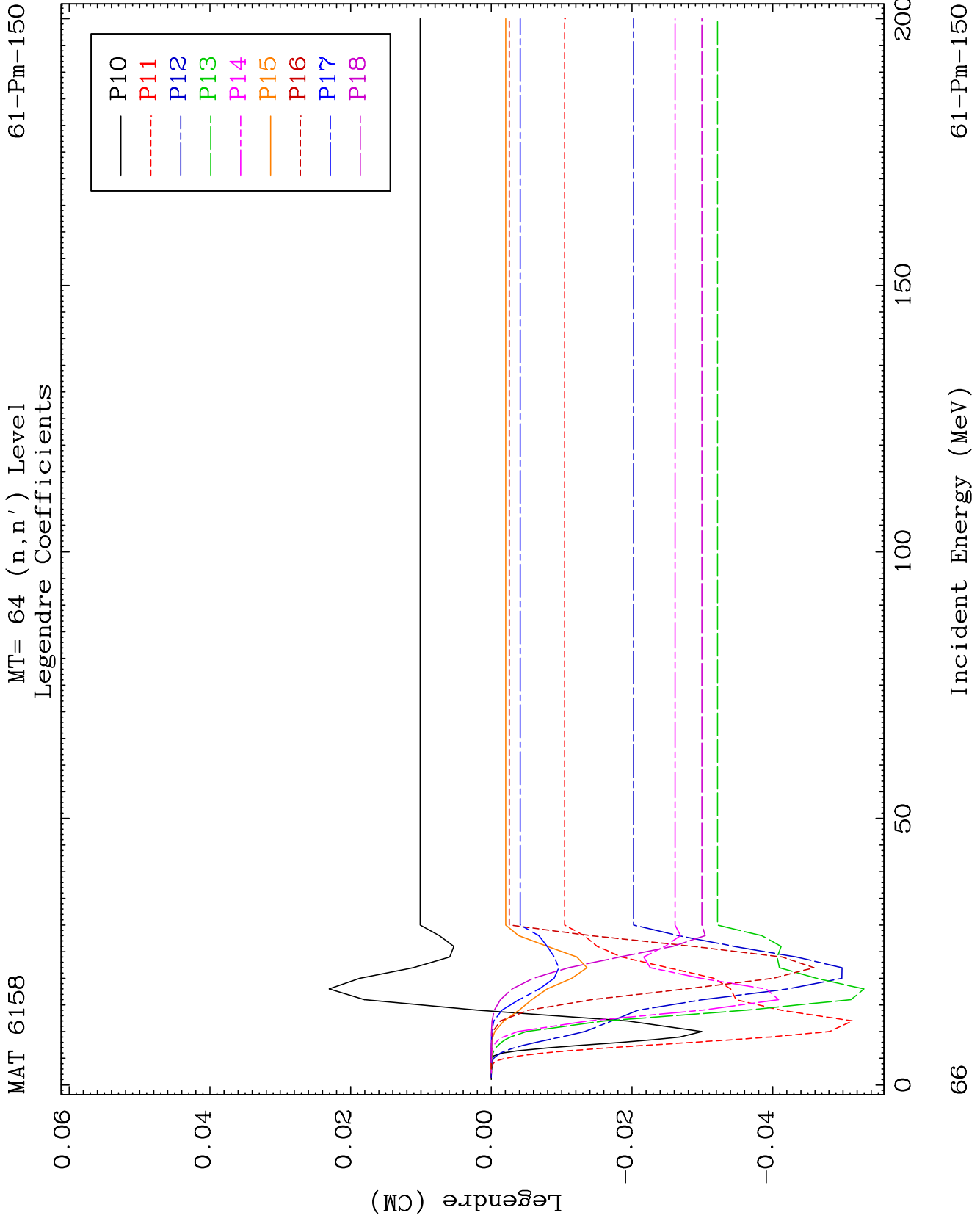
61-Pm-150

MAT 6158 MT= 63 (n,n') Level Legendre Coefficients 61-Pm-150



64 61-Pm-150

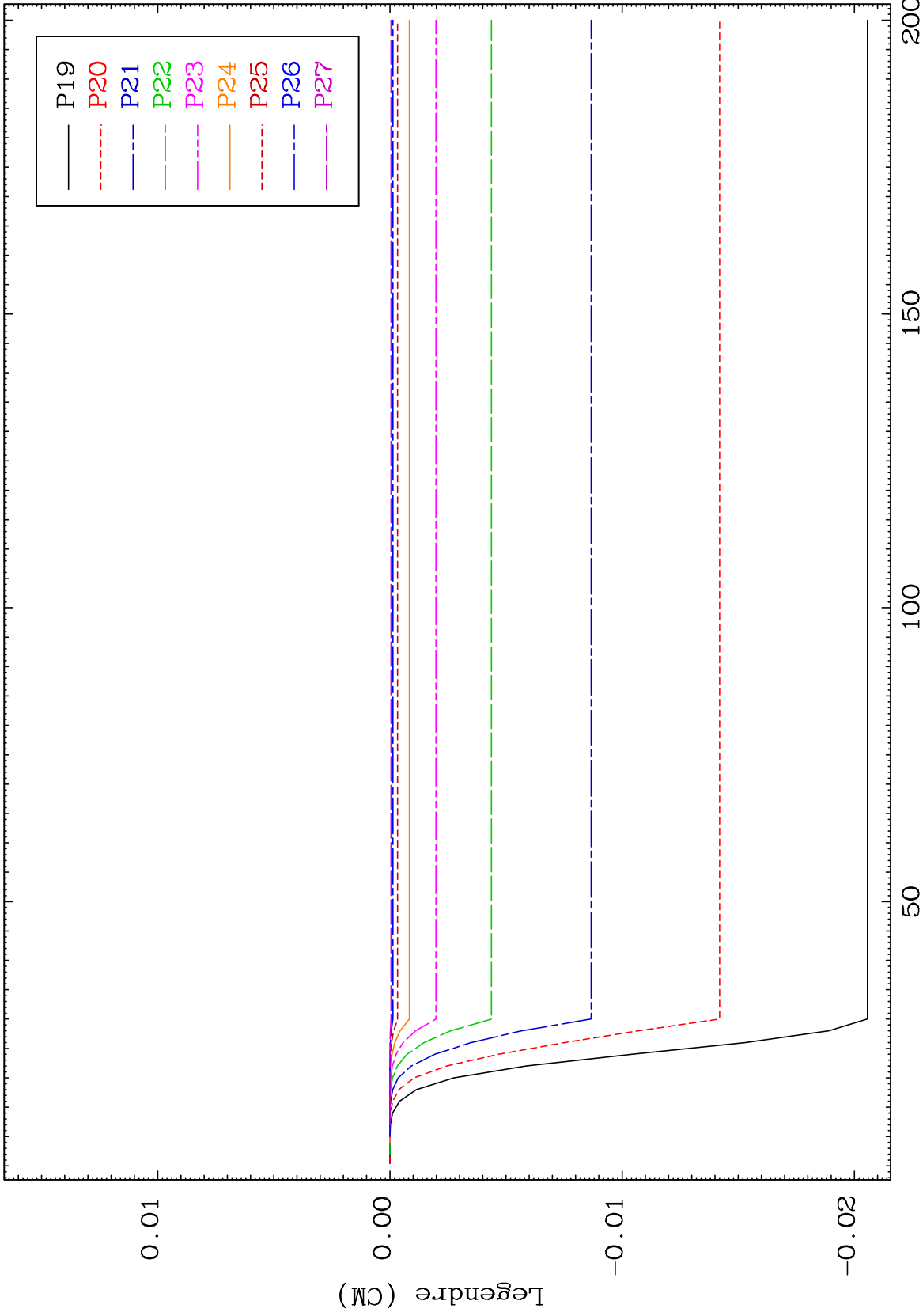




MAT 6158

MT= 64 (n,n') Level
Legendre Coefficients

61-Pm-150

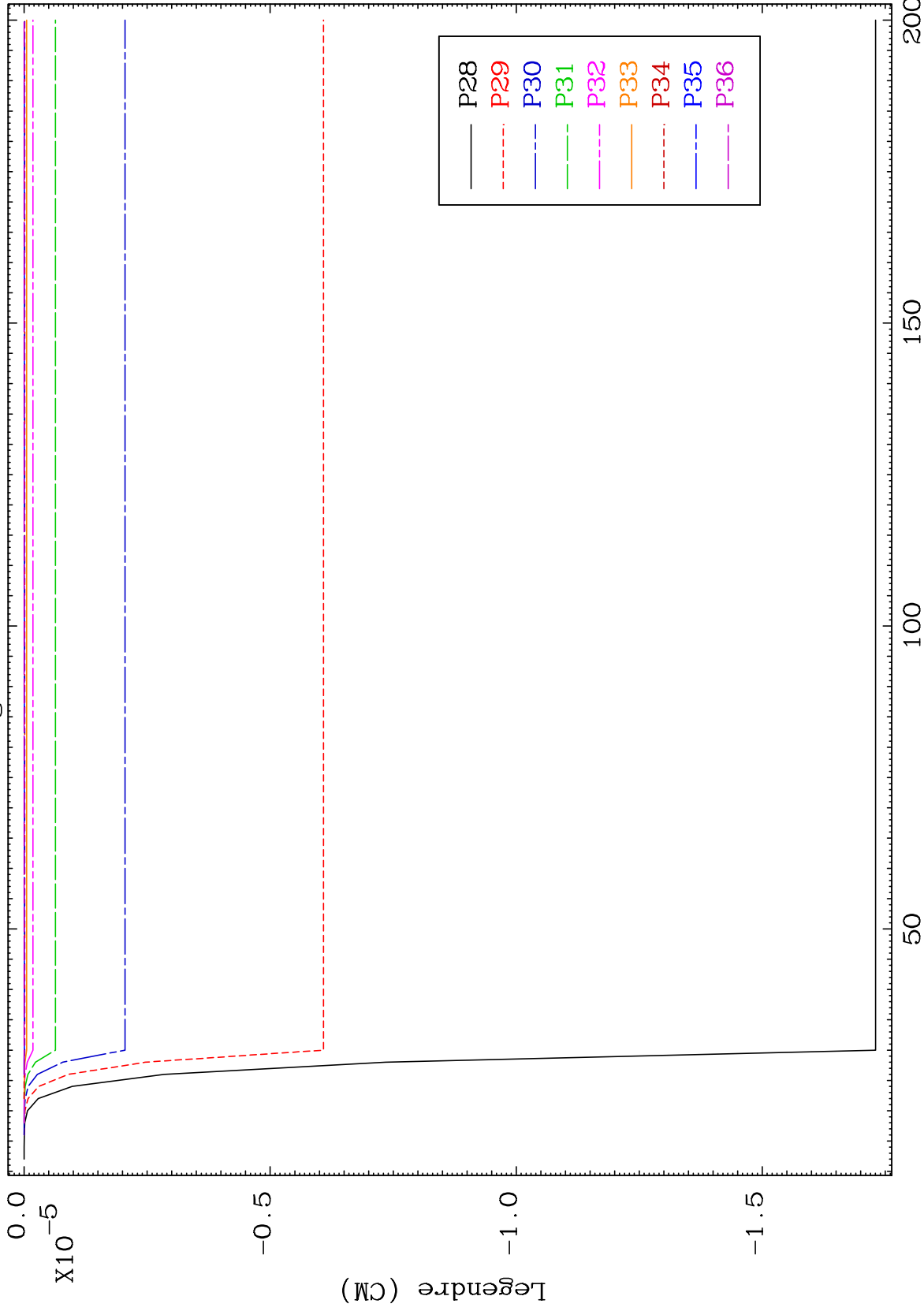


67

61-Pm-150

MAT 6158 MT= 64 (n,n') Level 61-Pm-150

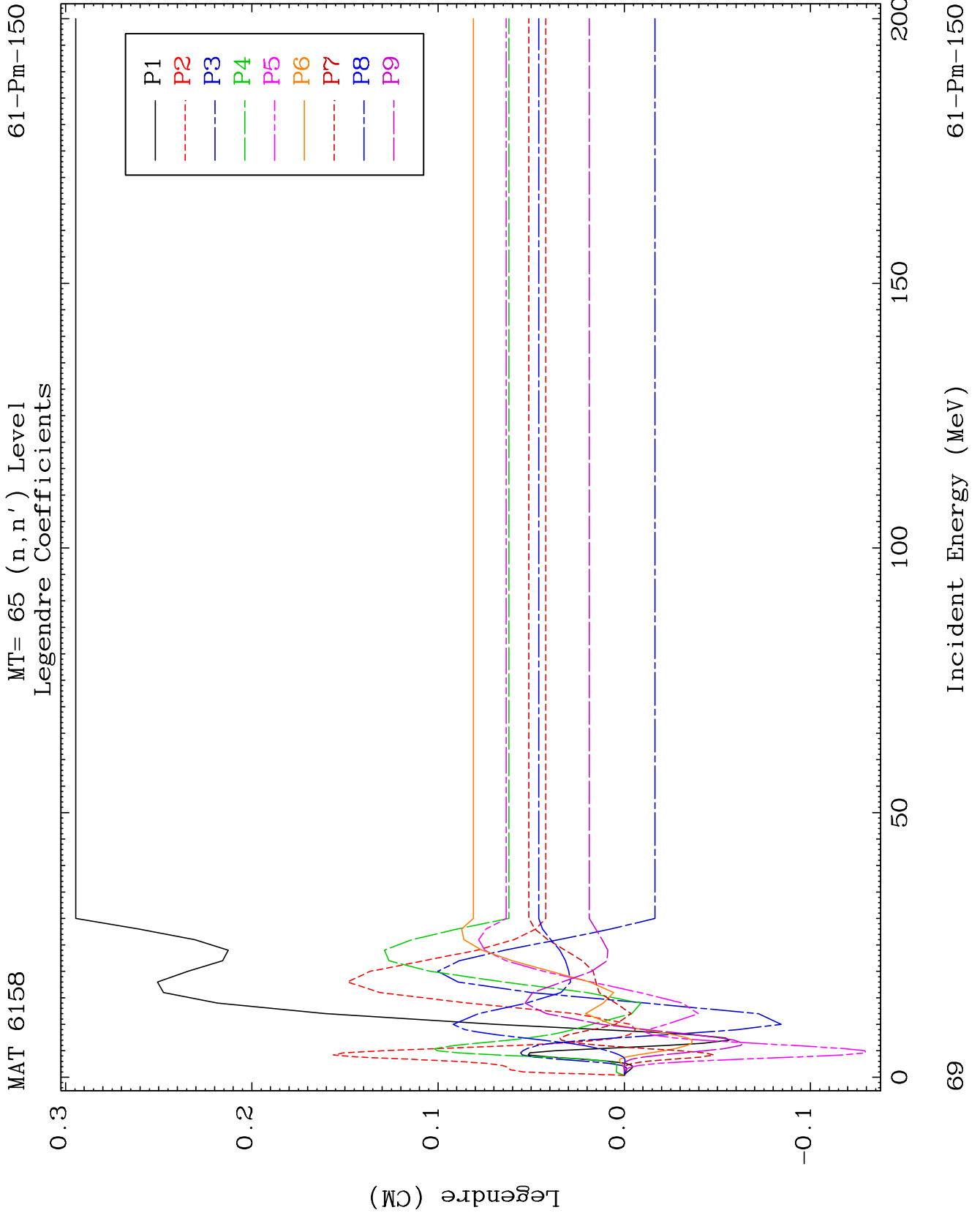
Legendre Coefficients

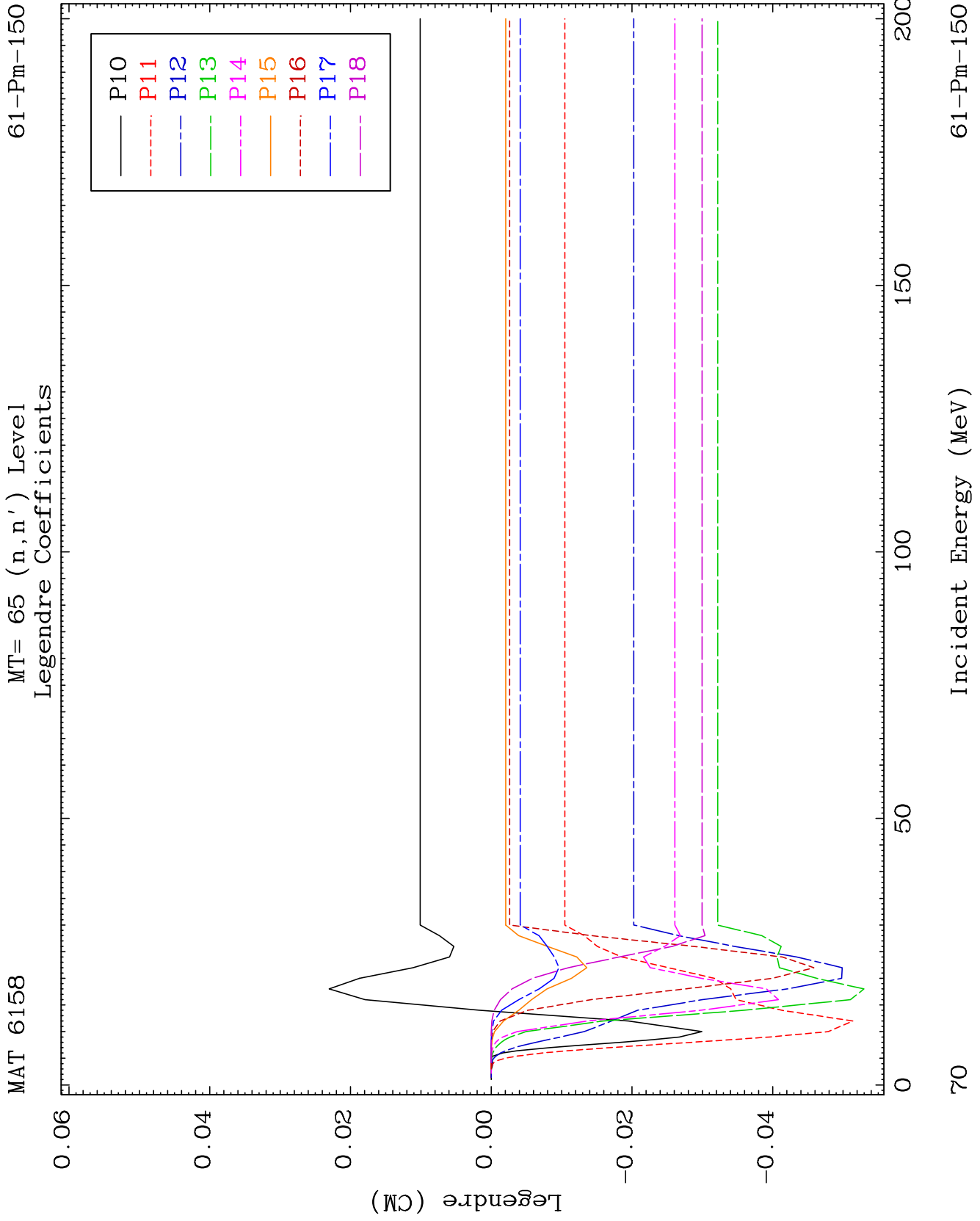


68

Incident Energy (MeV)

61-Pm-150

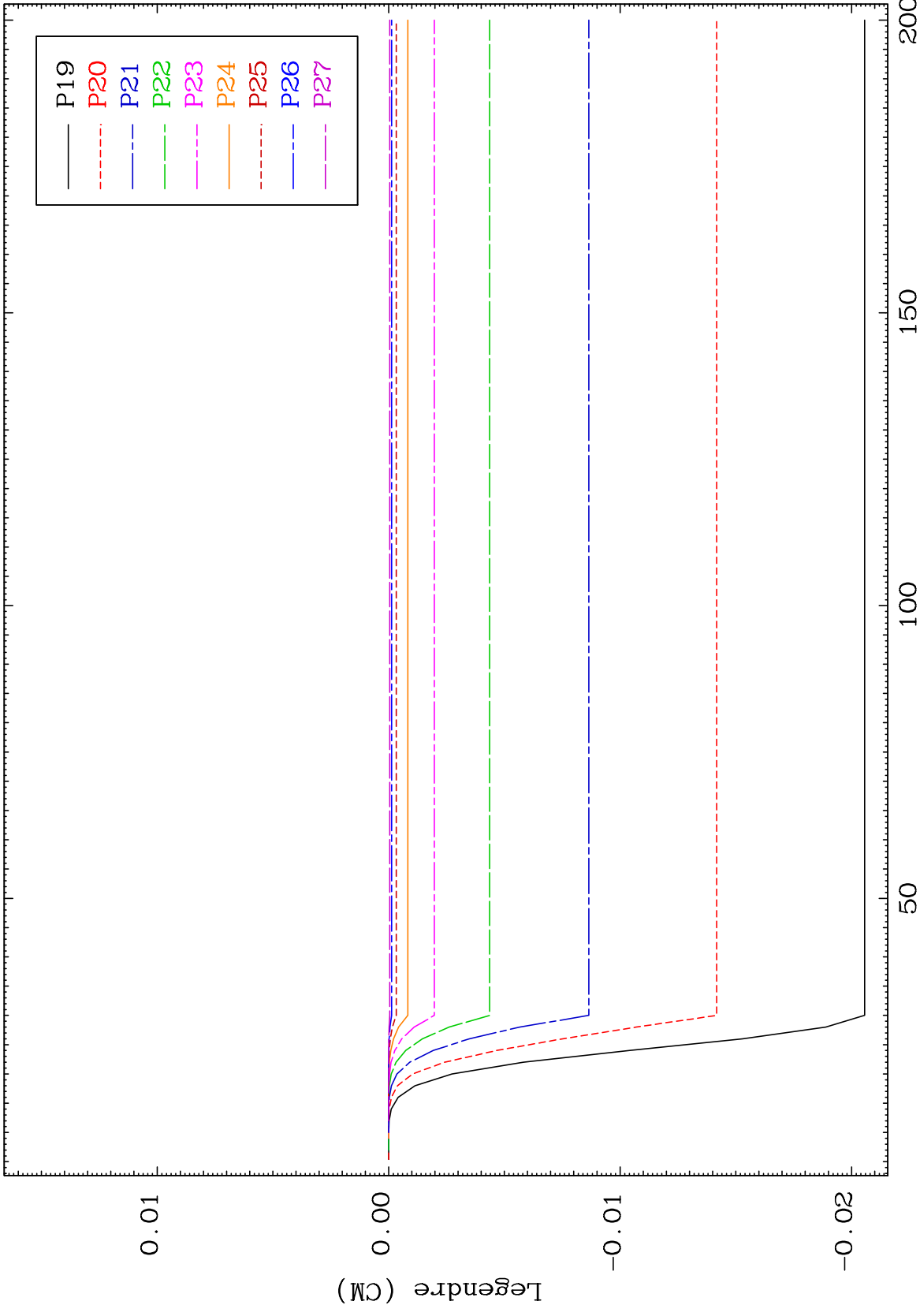




MAT 6158

MT= 65 (n,n') Level
Legendre Coefficients

61-Pm-150

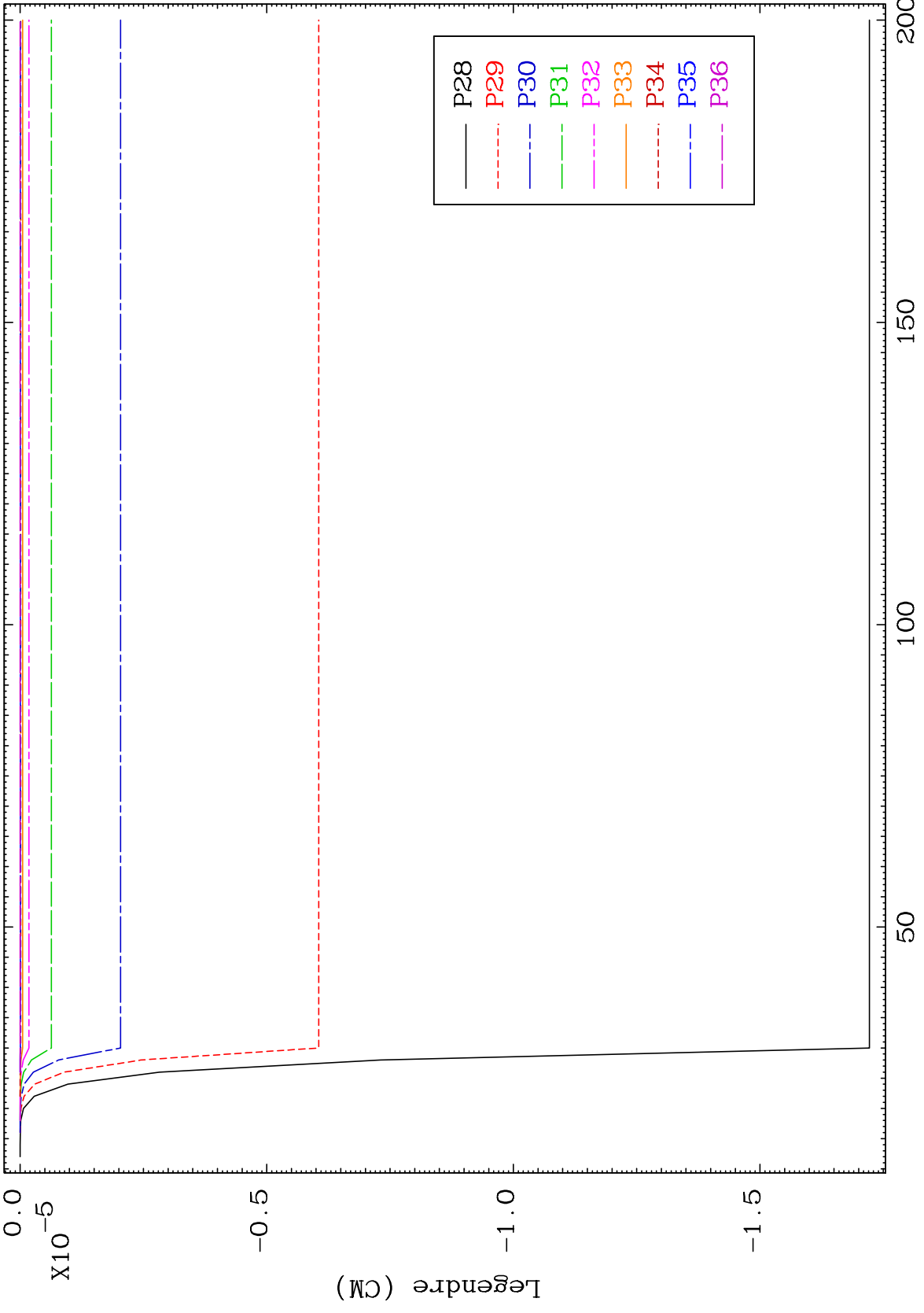


71

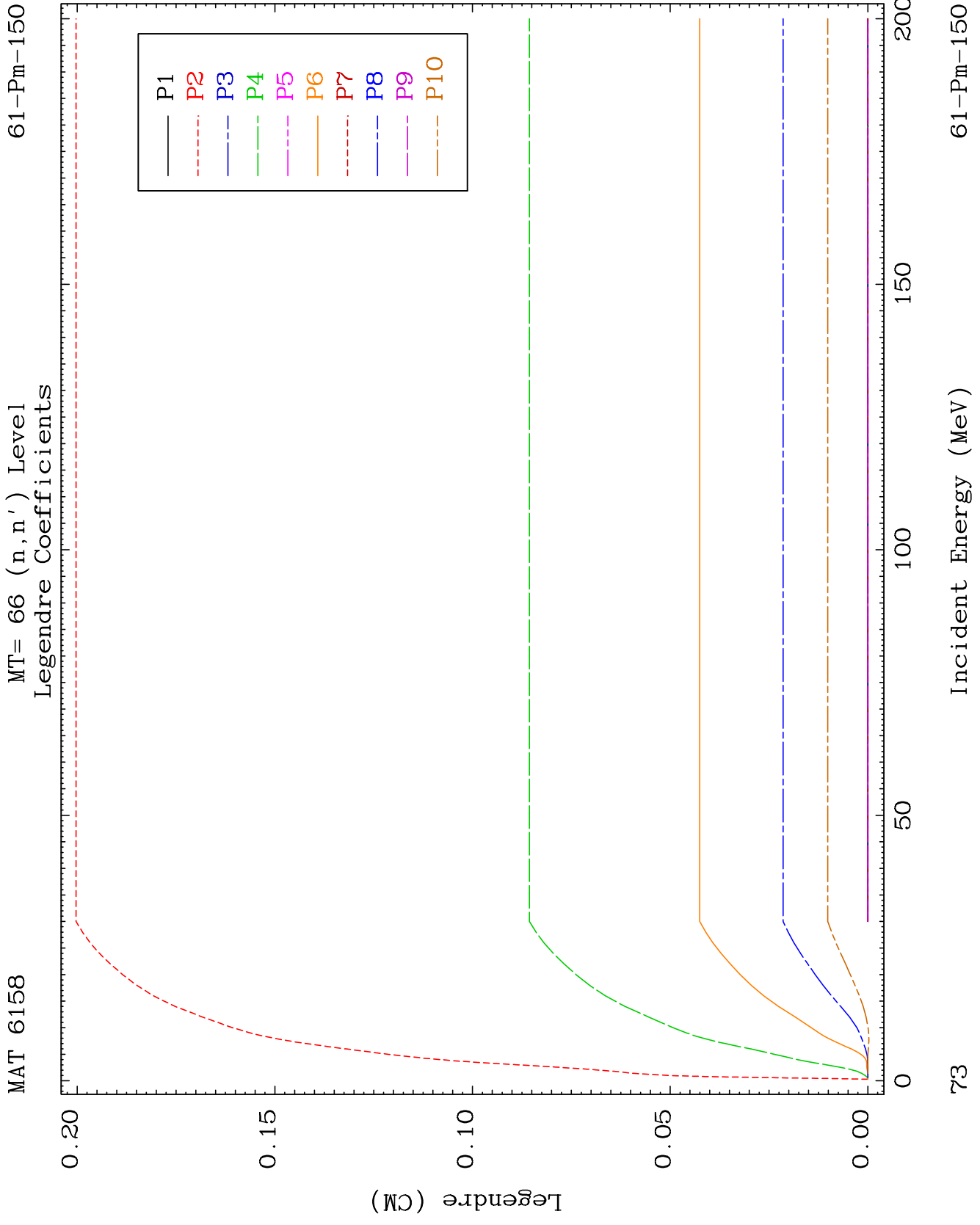
Incident Energy (MeV)

61-Pm-150

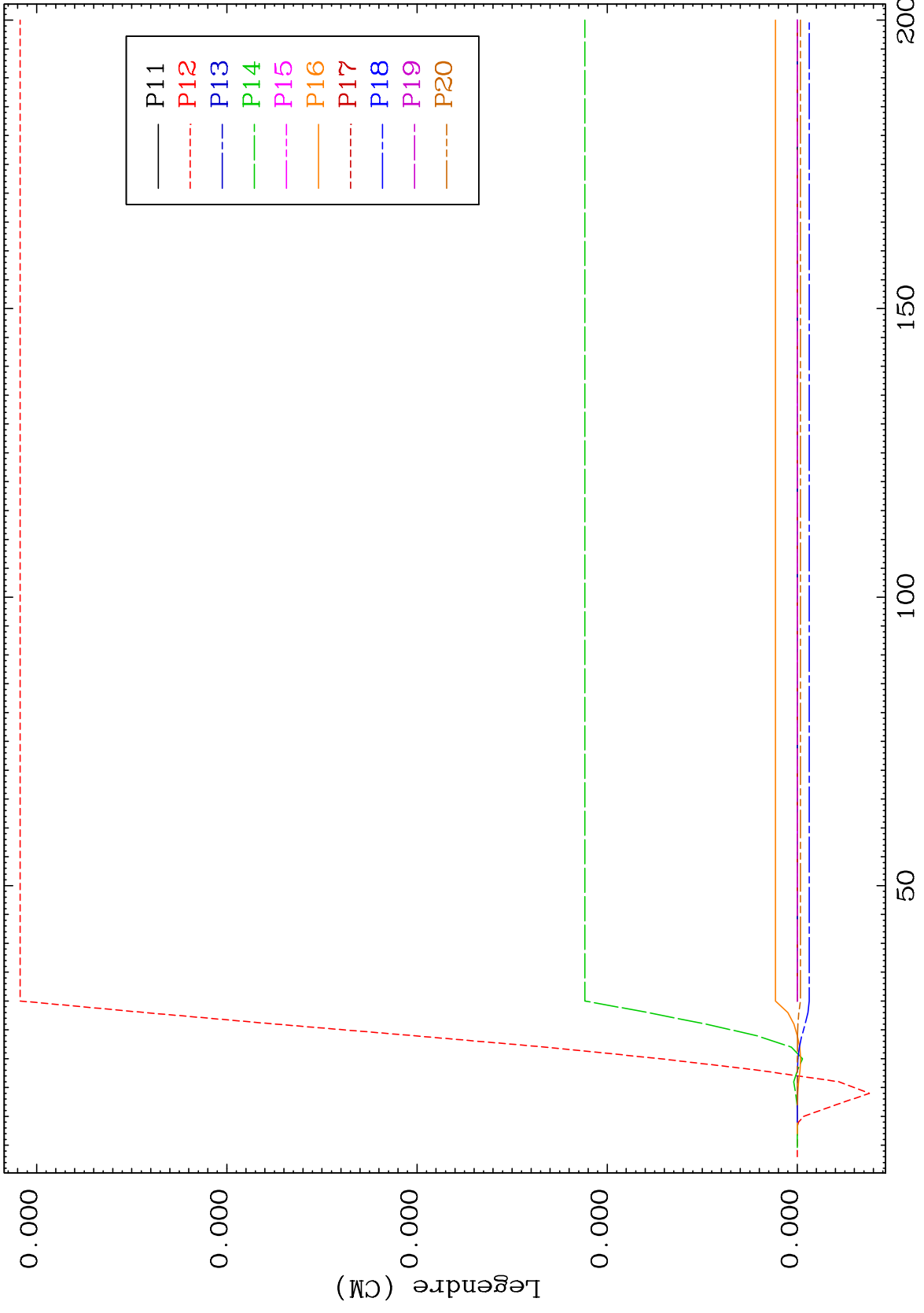
MAT 6158 MT= 65 (n,n') Level Legendre Coefficients 61-Pm-150



72 61-Pm-150

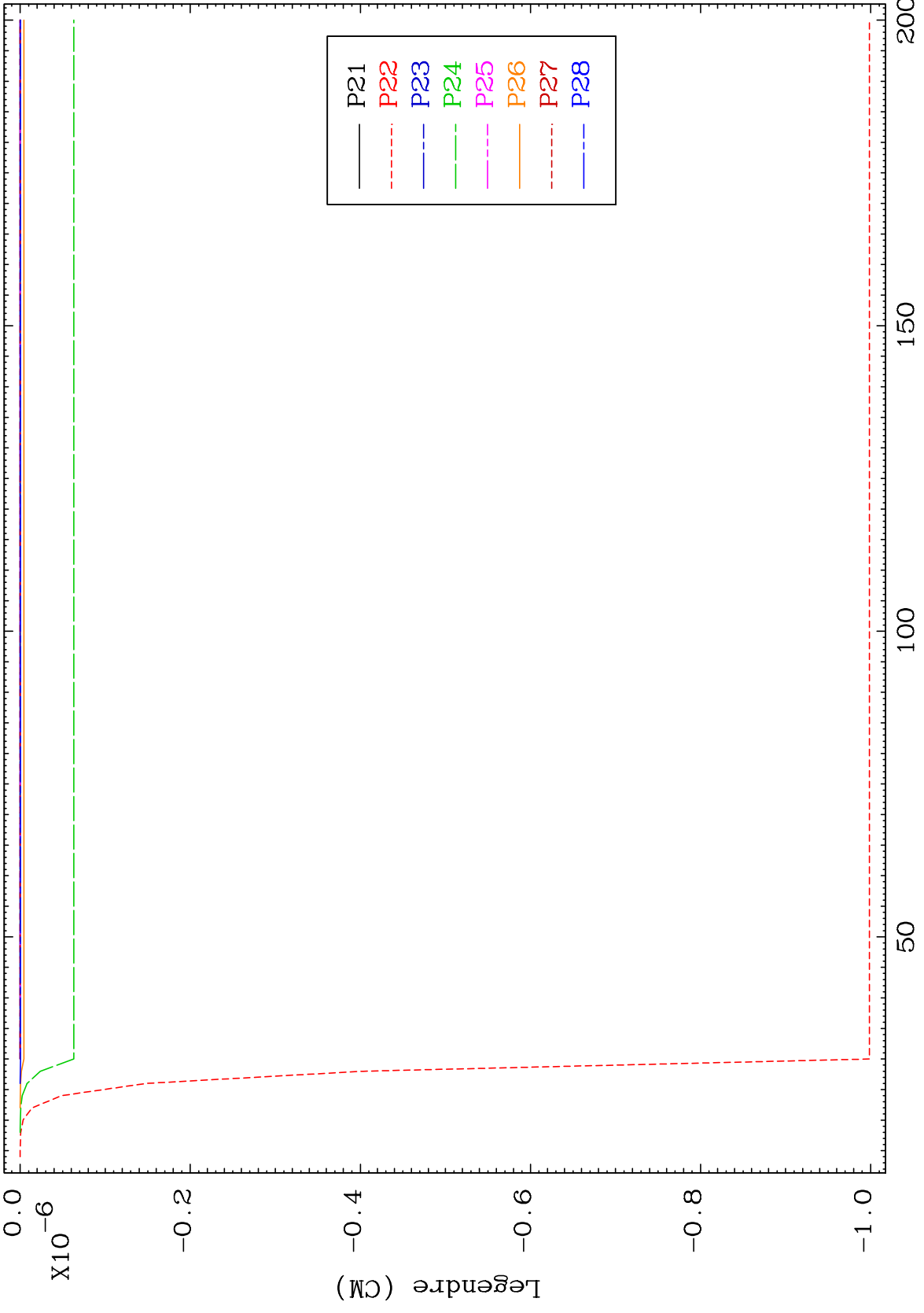


MAT 6158 MT= 66 (n,n') Level Legendre Coefficients 61-Pm-150



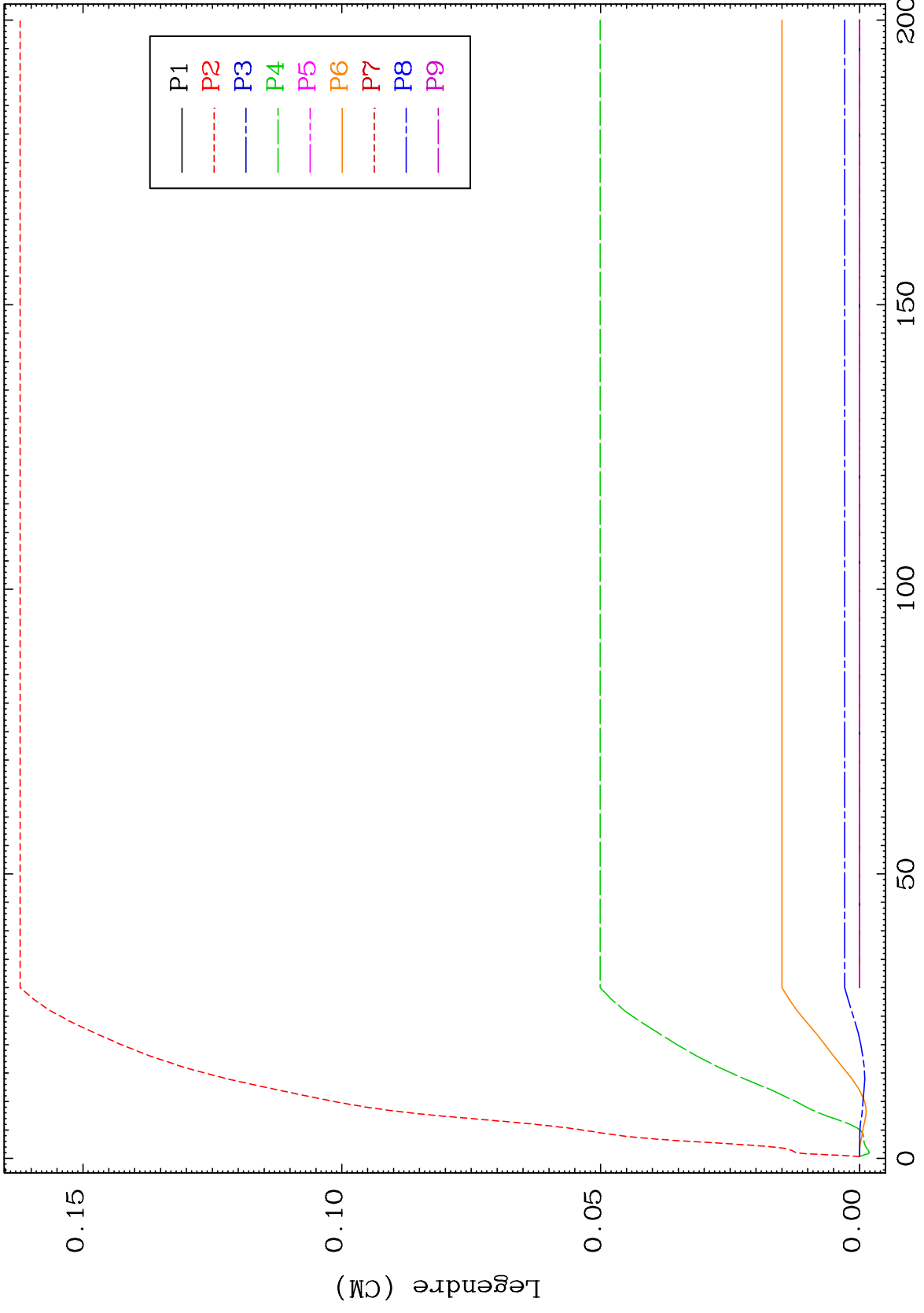
74 61-Pm-150

MAT 6158 MT= 66 (n,n') Level Legendre Coefficients 61-Pm-150



75 Incident Energy (MeV) 150 200 61-Pm-150

MAT 6158 MT= 67 (n,n') Level Legendre Coefficients 61-Pm-150

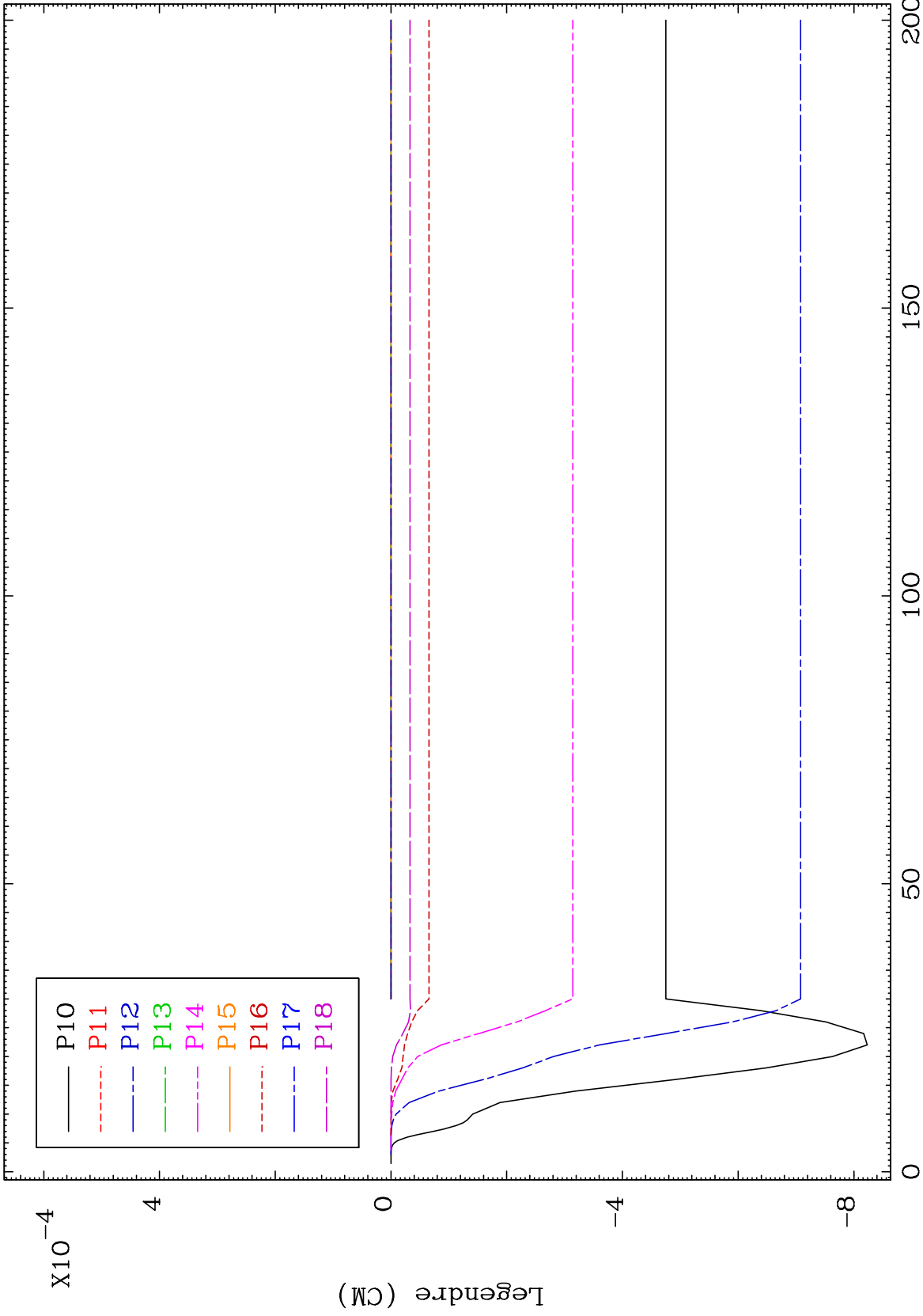


76 Incident Energy (MeV) 61-Pm-150

MAT 6158

MT= 67 (n,n') Level
Legendre Coefficients

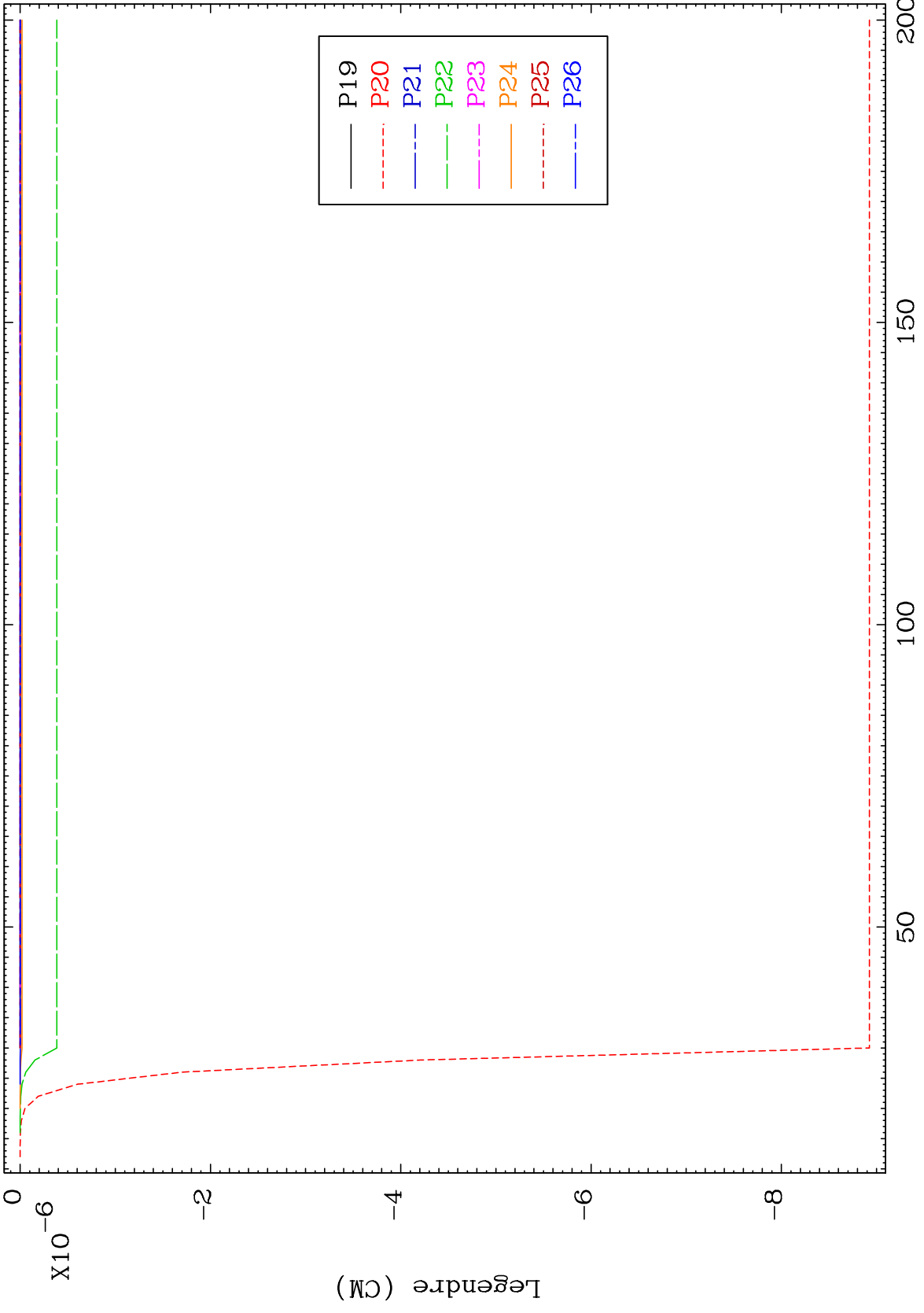
61-Pm-150



77

61-Pm-150

MAT 6158 MT= 67 (n,n') Level Legendre Coefficients 61-Pm-150

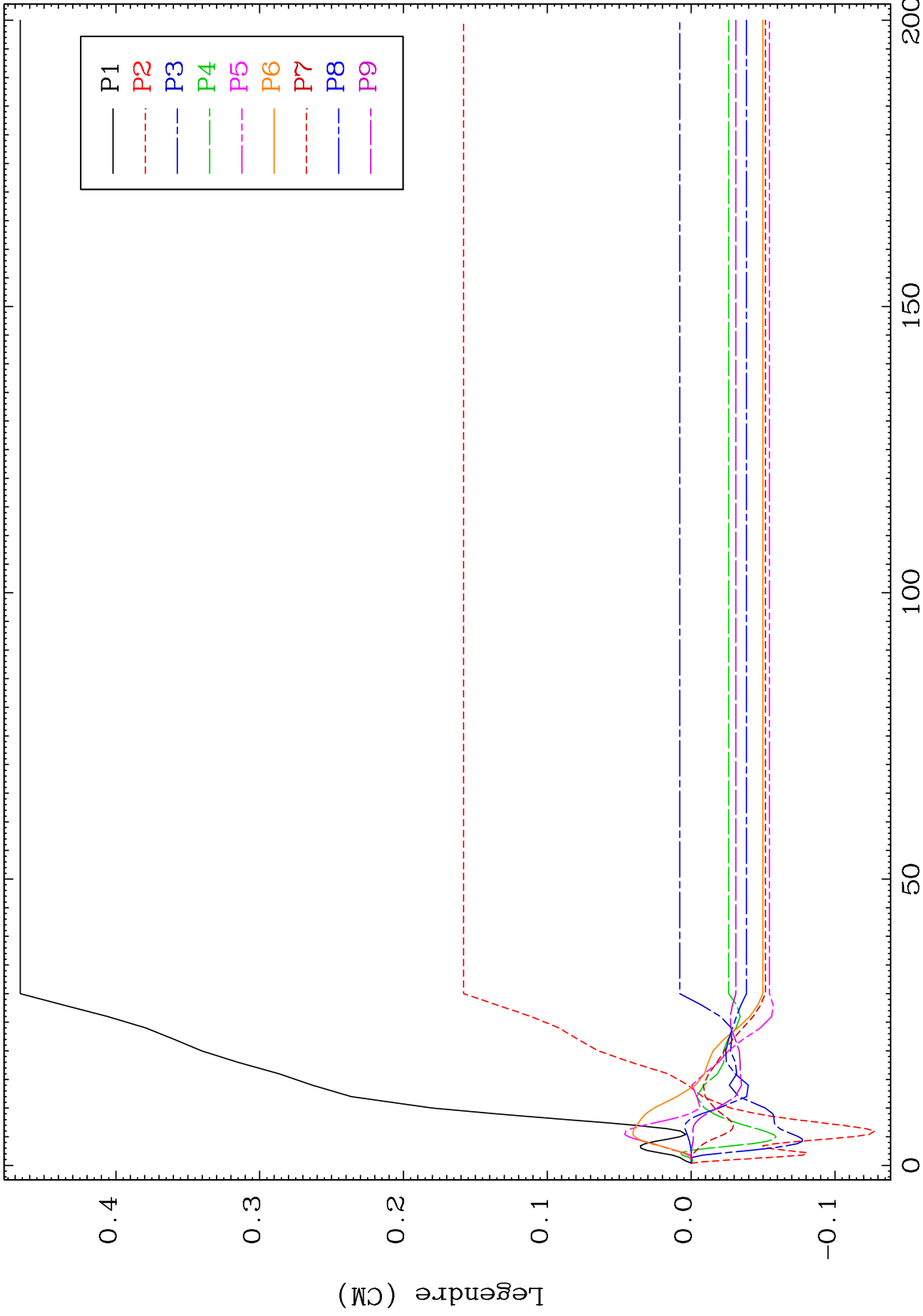


78 Incident Energy (MeV) 61-Pm-150

MAT 6158

MT= 68 (n,n') Level
Legendre Coefficients

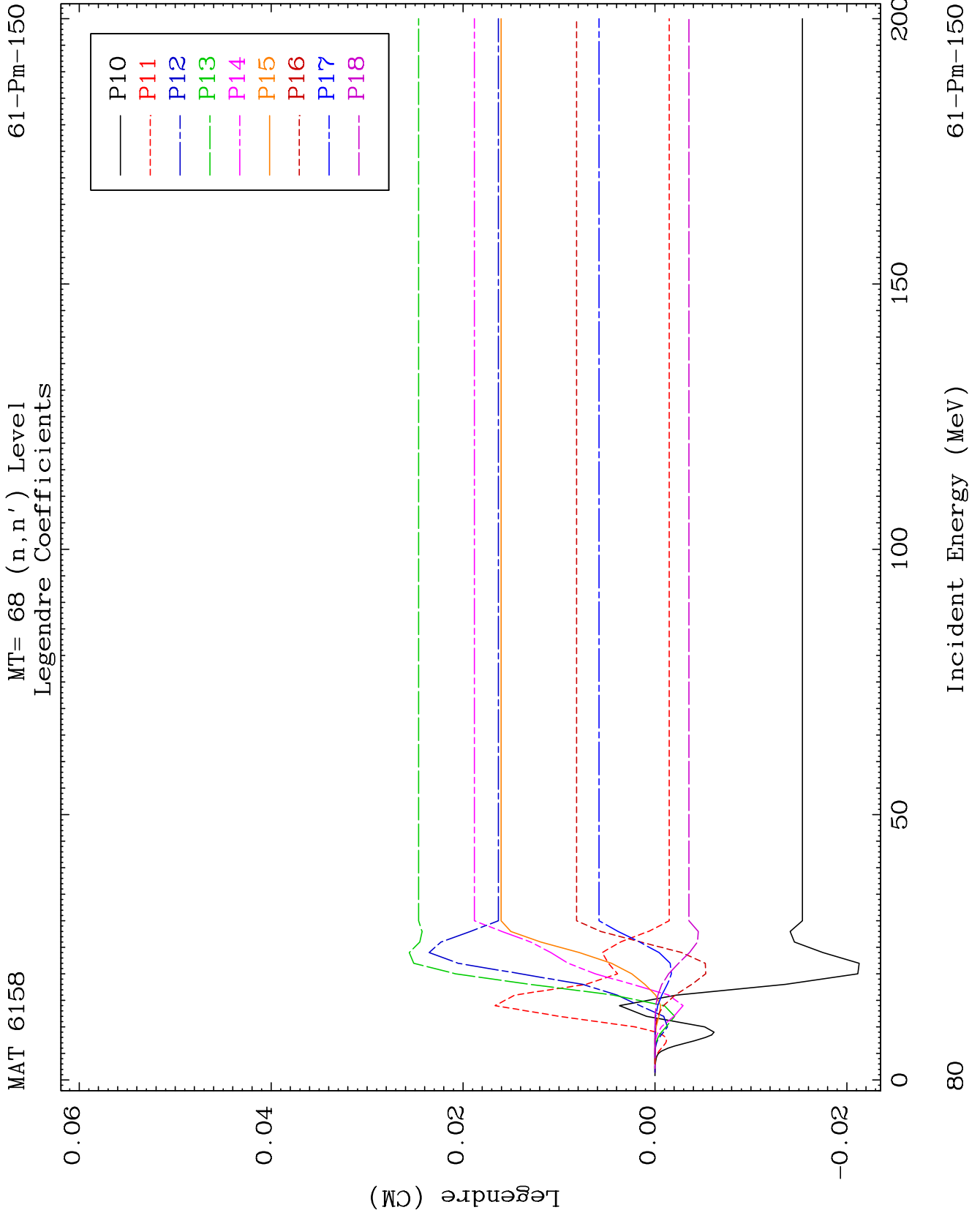
61-Pm-150



79

Incident Energy (MeV)

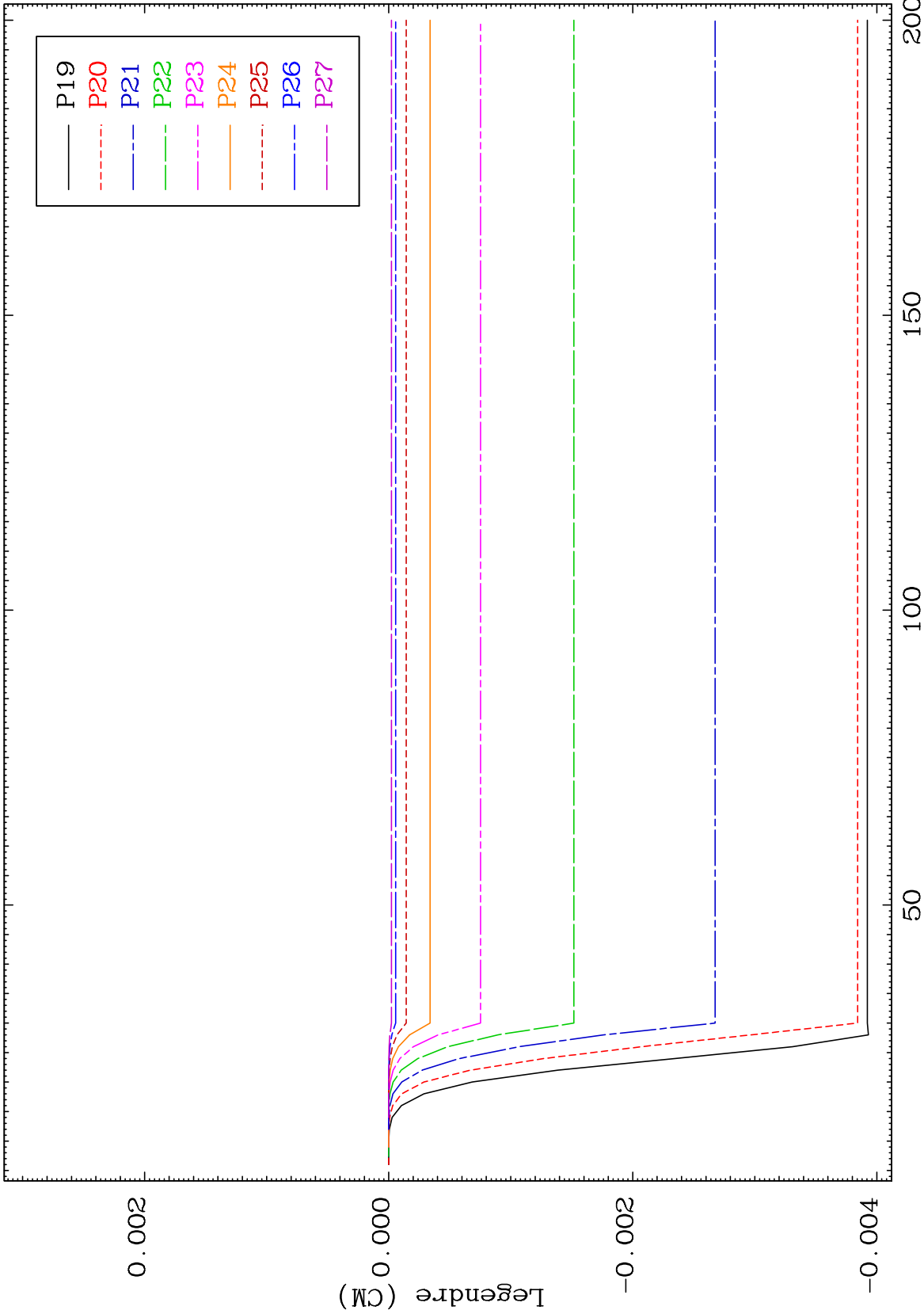
61-Pm-150



MAT 6158

MT= 68 (n,n') Level
Legendre Coefficients

61-Pm-150

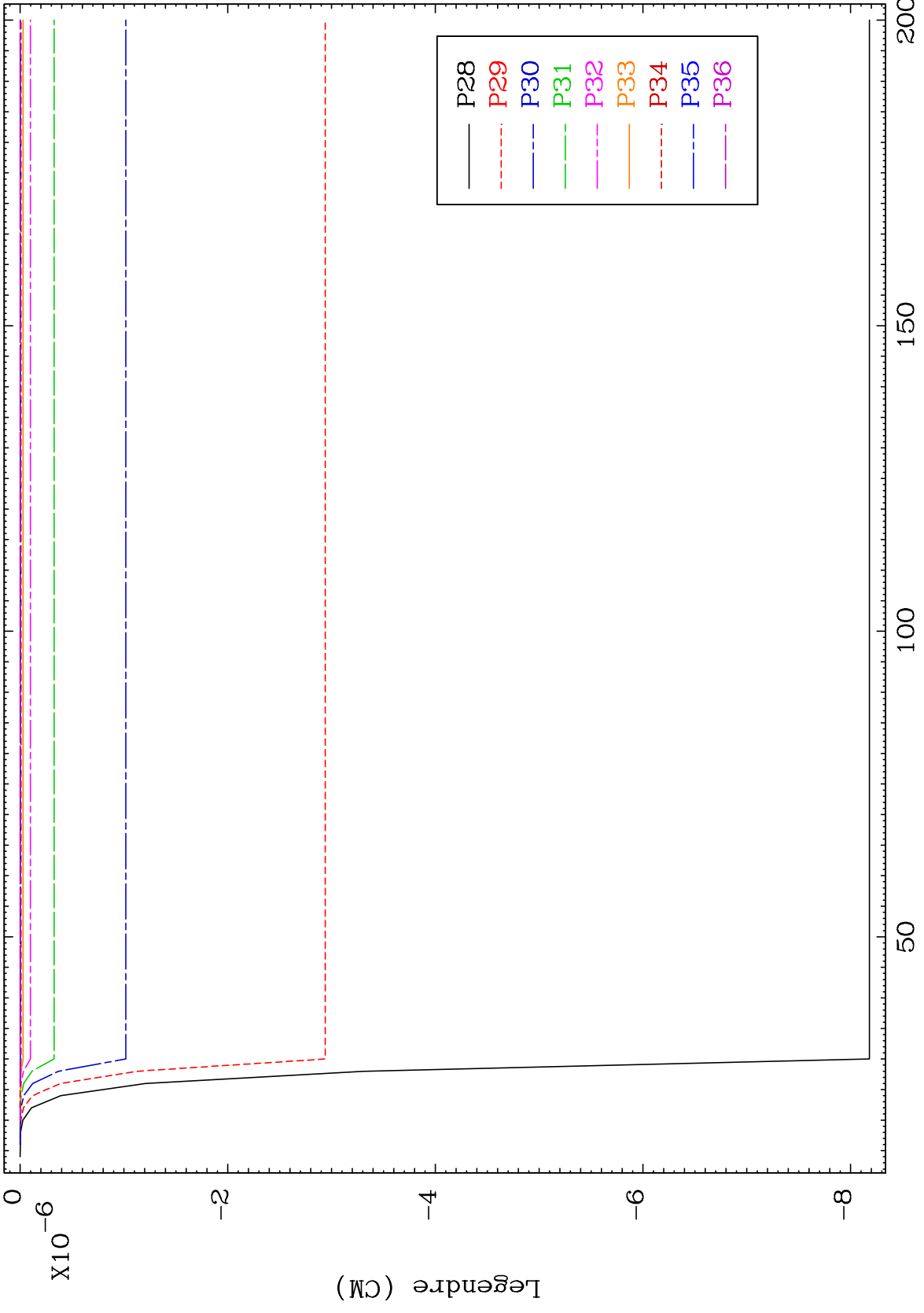


81

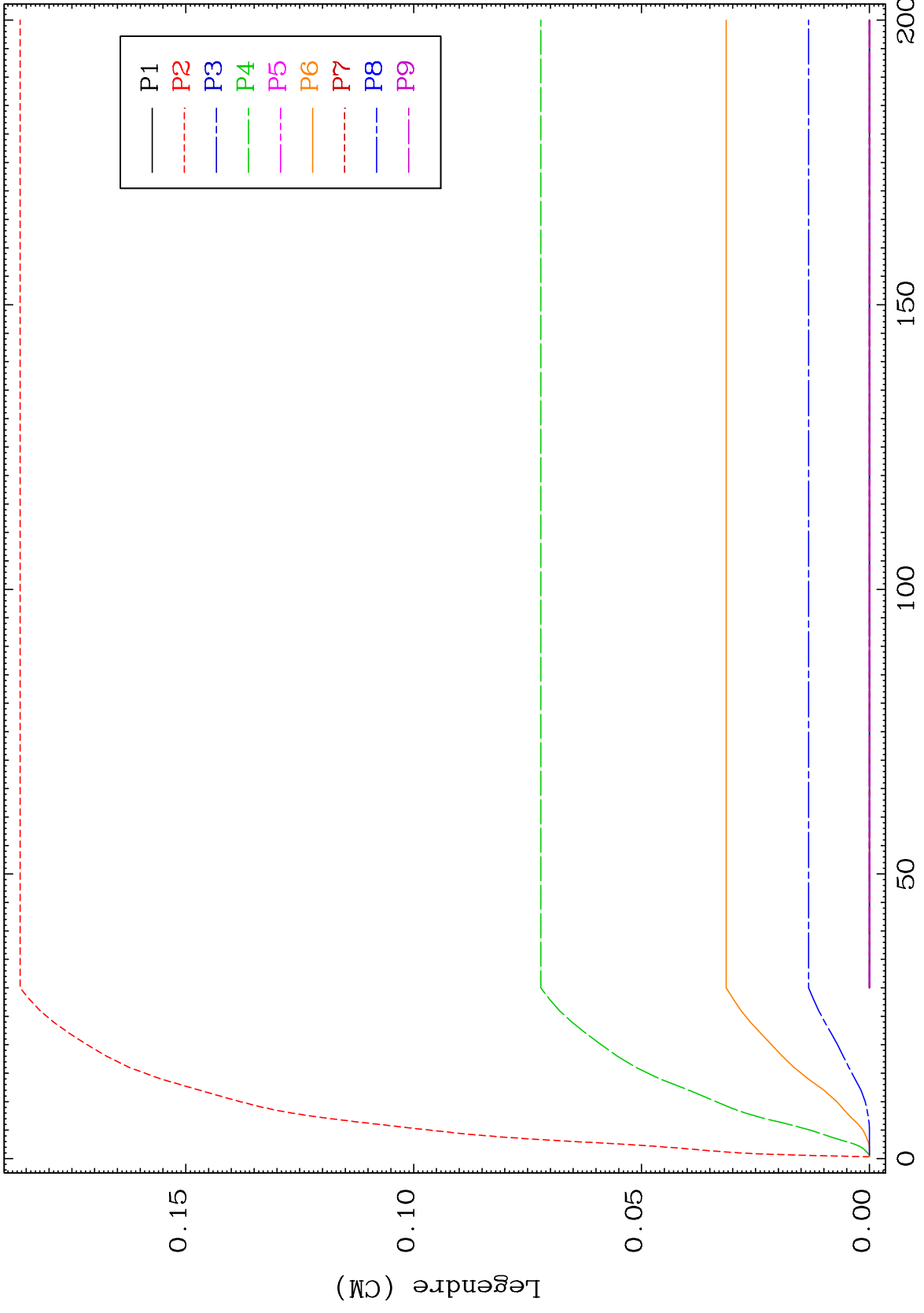
Incident Energy (MeV)

61-Pm-150

MAT 6158 MT= 68 (n,n') Level Legendre Coefficients 61-Pm-150



MAT 6158 MT= 69 (n,n') Level Legendre Coefficients 61-Pm-150

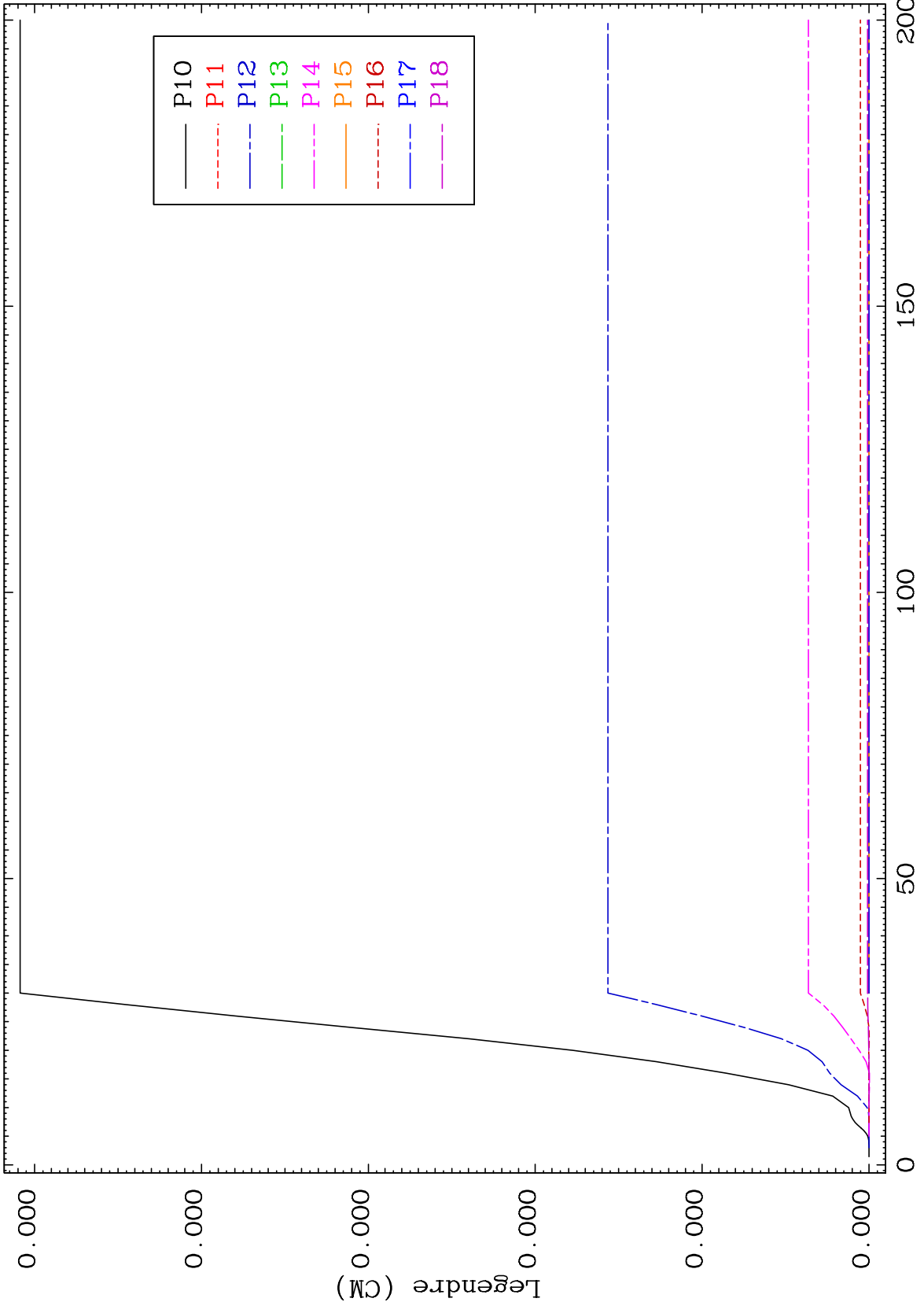


83 61-Pm-150

MAT 6158

MT= 69 (n,n') Level
Legendre Coefficients

61-Pm-150

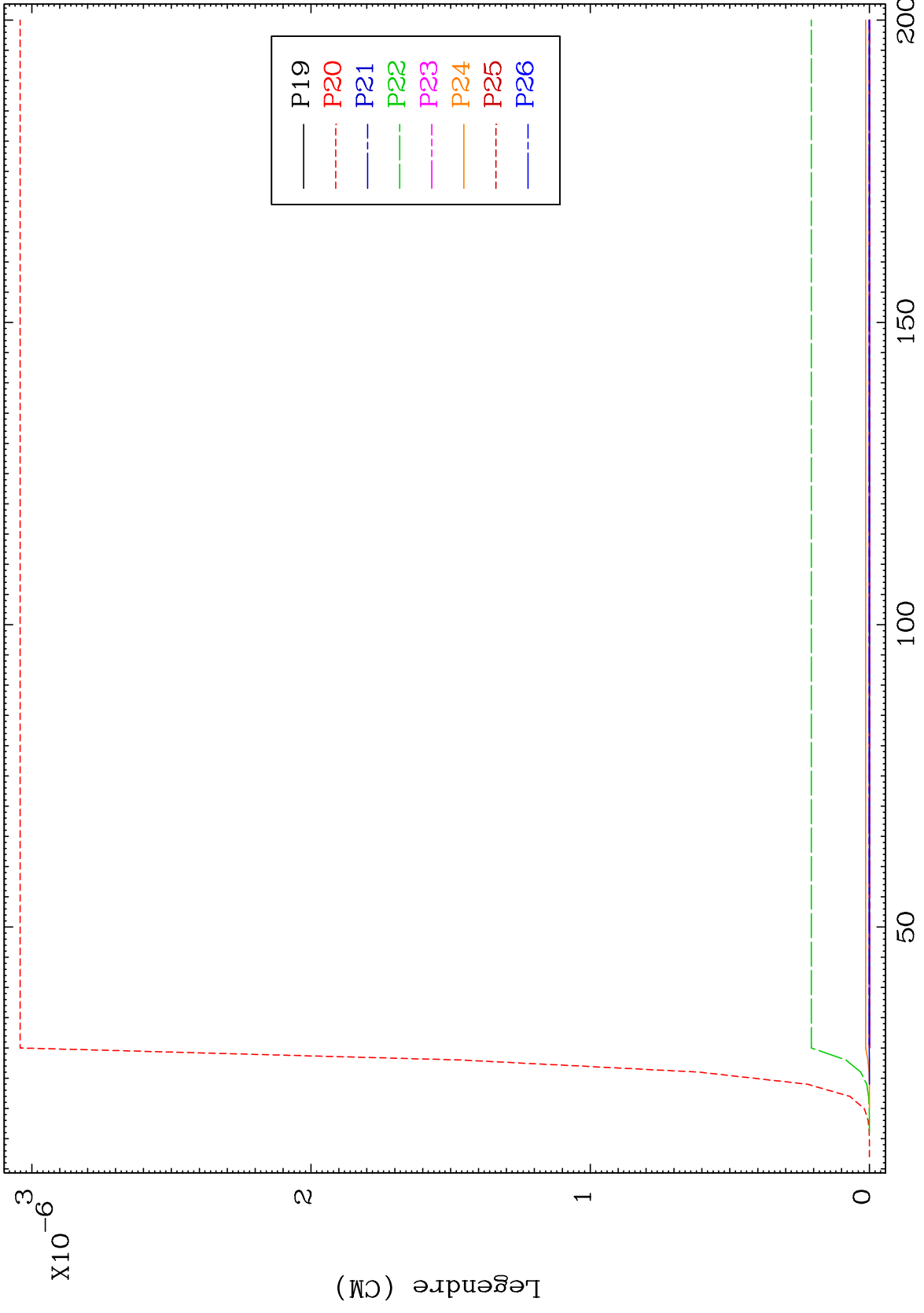


84

Incident Energy (MeV)

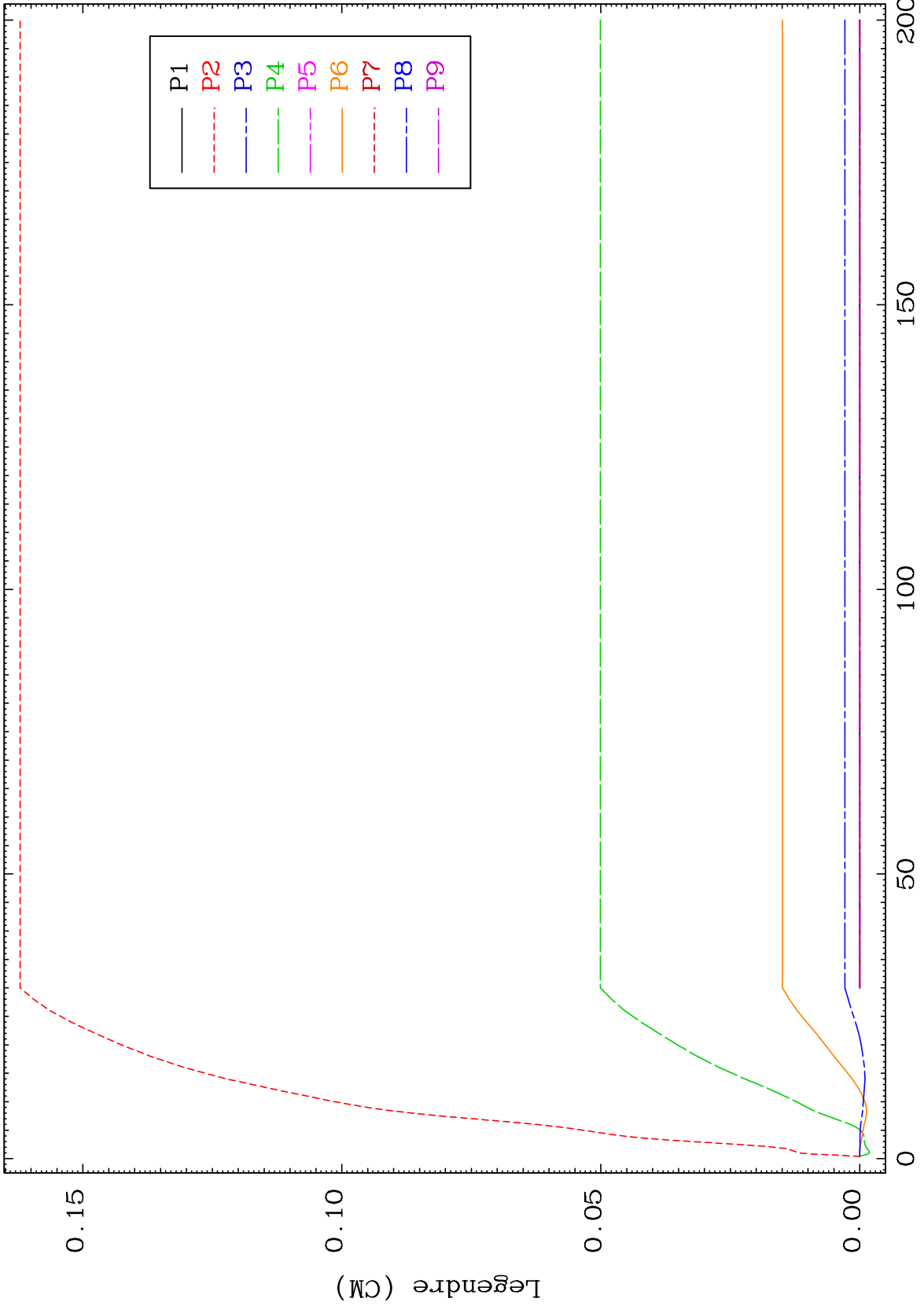
61-Pm-150

MAT 6158 MT= 69 (n,n') Level Legendre Coefficients 61-Pm-150



85 50 100 150 200 61-Pm-150

MAT 6158 MT= 70 (n,n') Level Legendre Coefficients 61-Pm-150

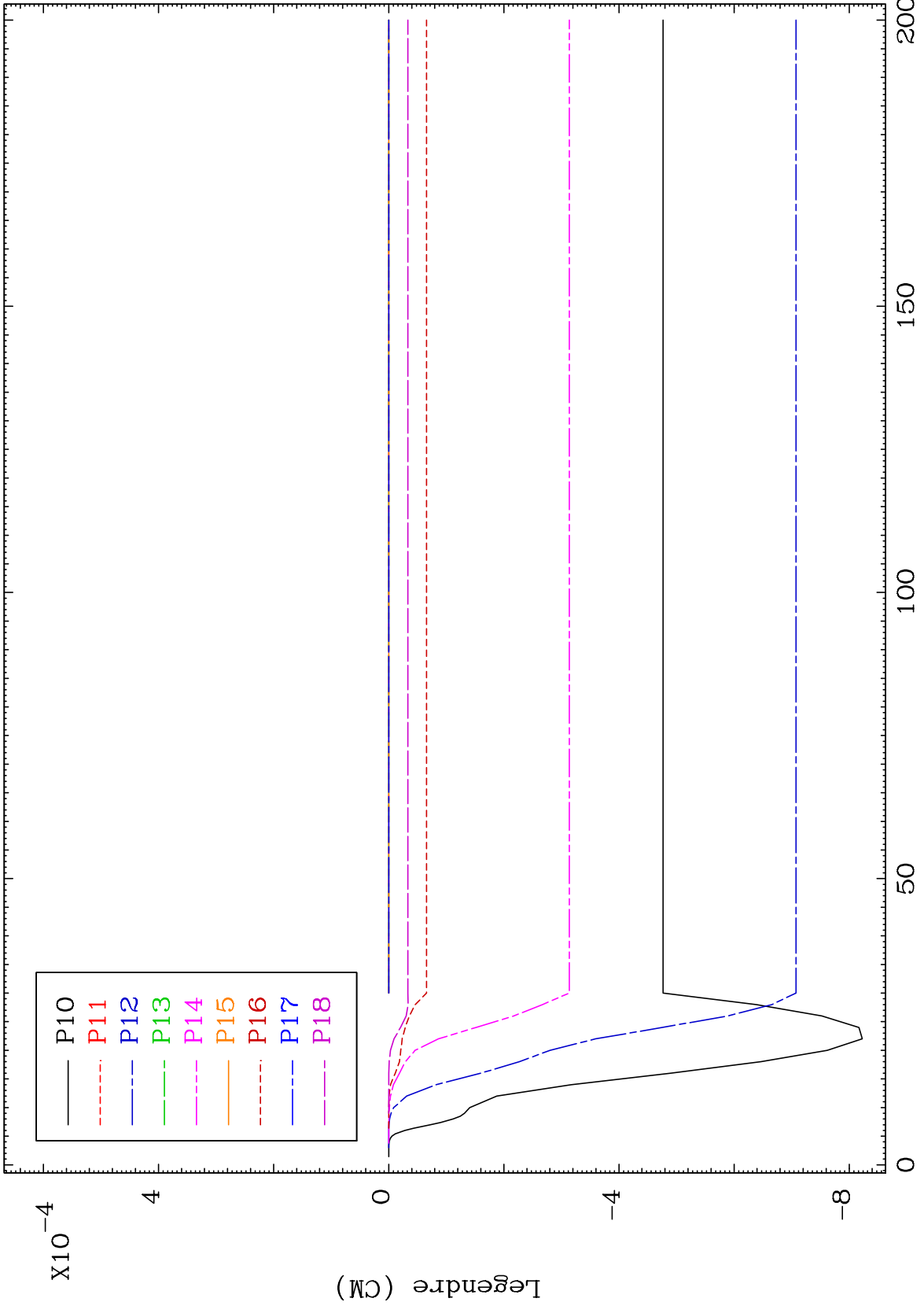


86 61-Pm-150

MAT 6158

MT= 70 (n,n') Level
Legendre Coefficients

61-Pm-150

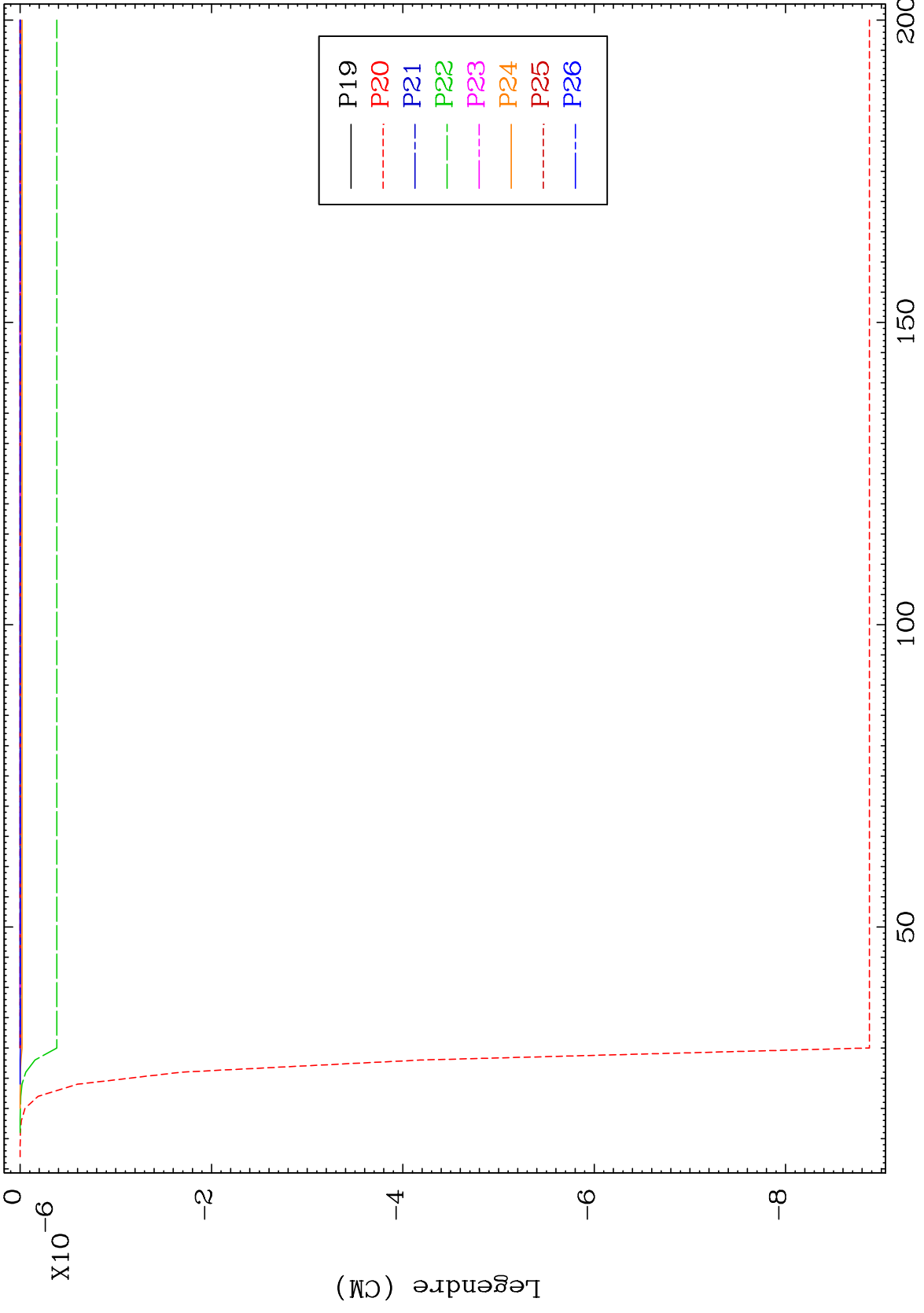


87

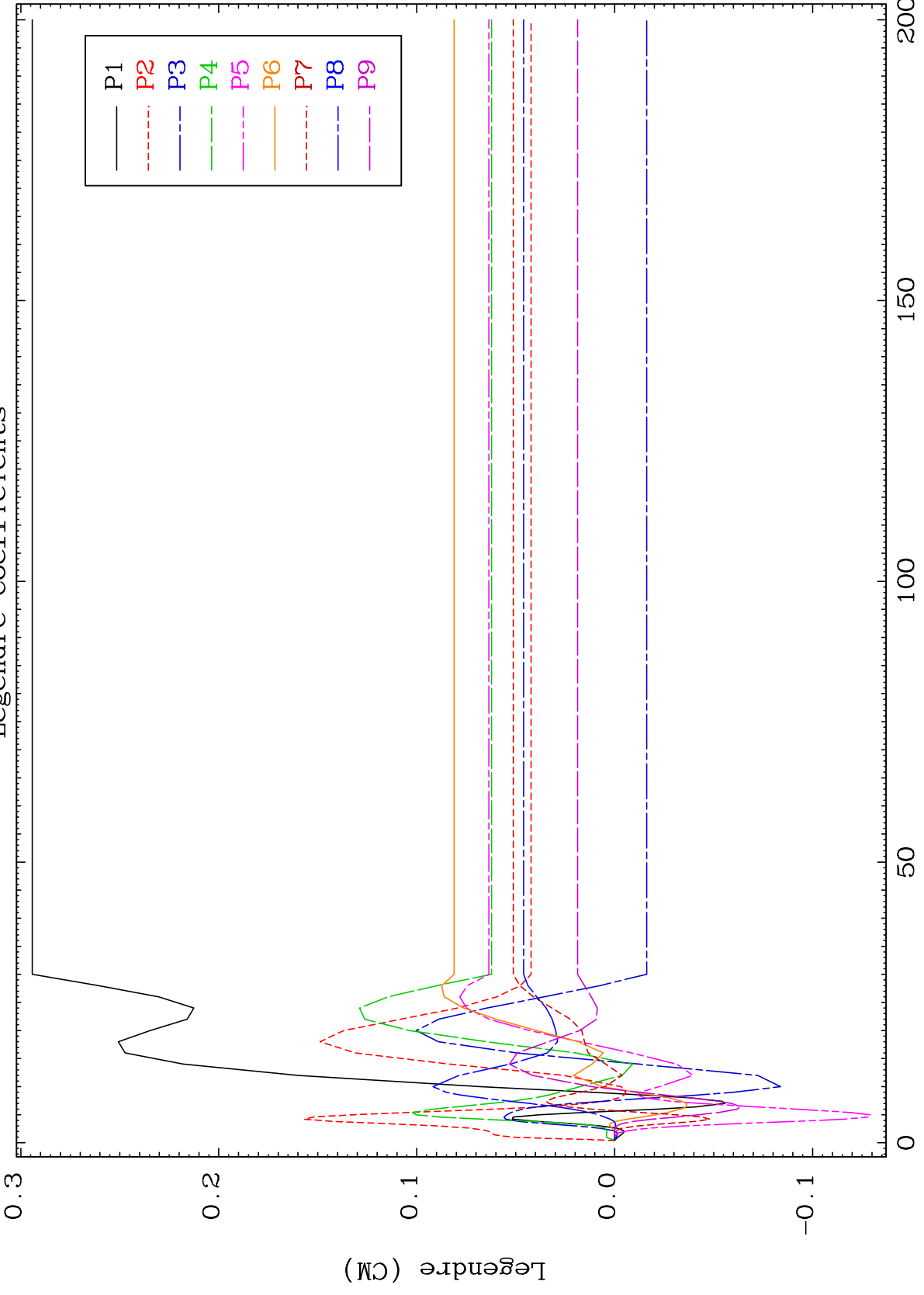
Incident Energy (MeV)

61-Pm-150

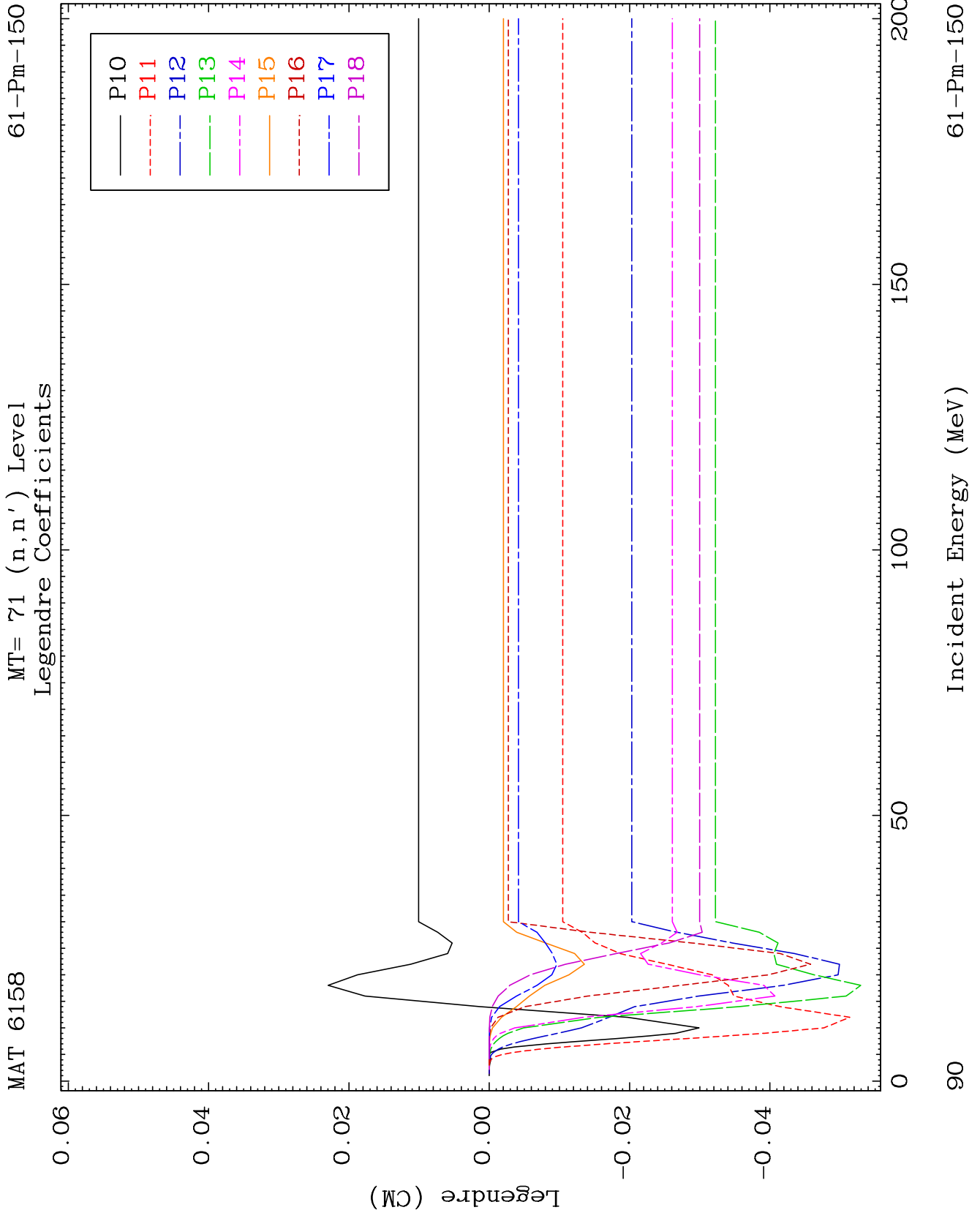
MAT 6158 MT= 70 (n,n') Level Legendre Coefficients 61-Pm-150



MAT 6158 MT= 71 (n,n') Level Legendre Coefficients 61-Pm-150



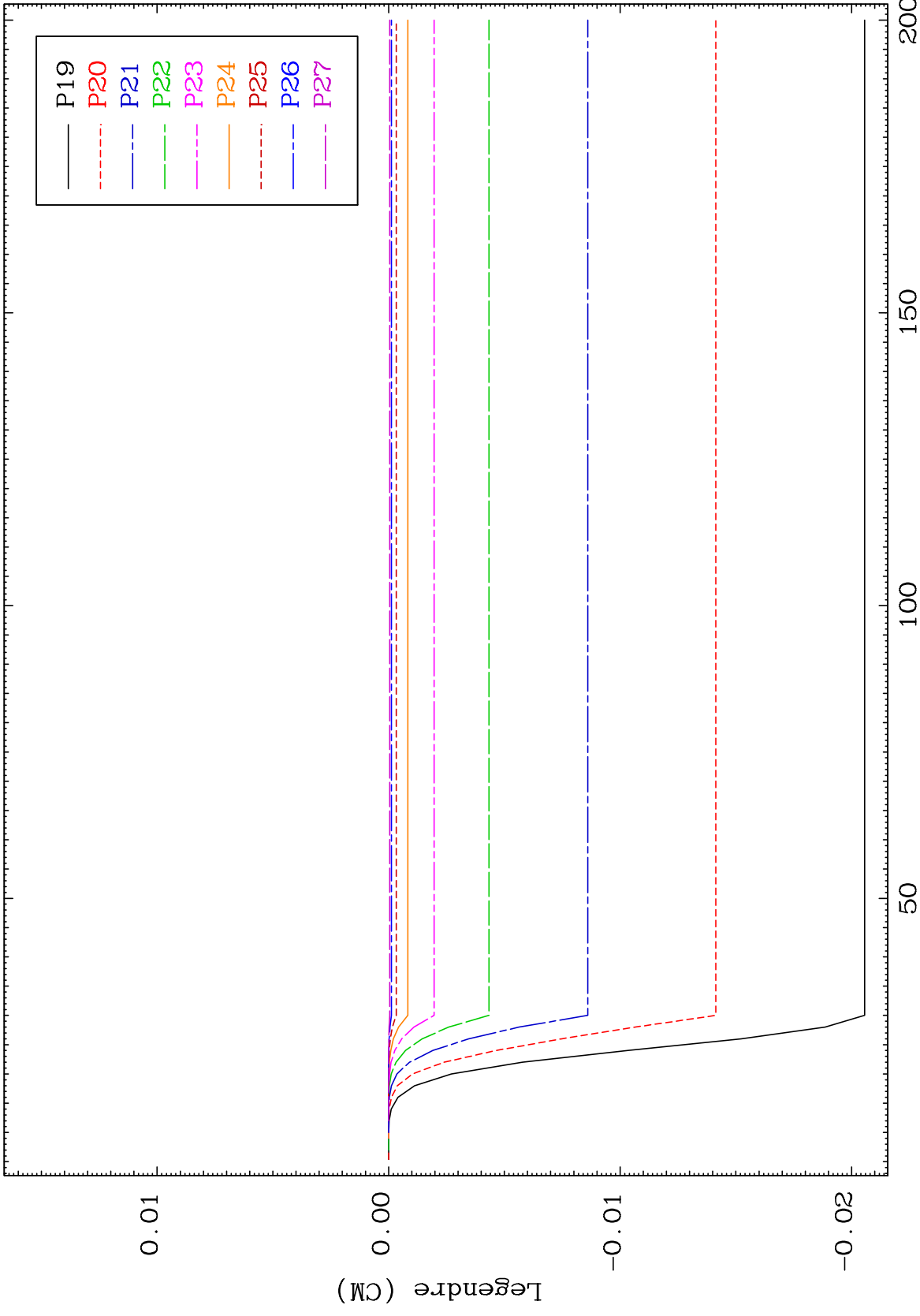
89 Incident Energy (MeV) 61-Pm-150



MAT 6158

MT= 71 (n,n') Level
Legendre Coefficients

61-Pm-150

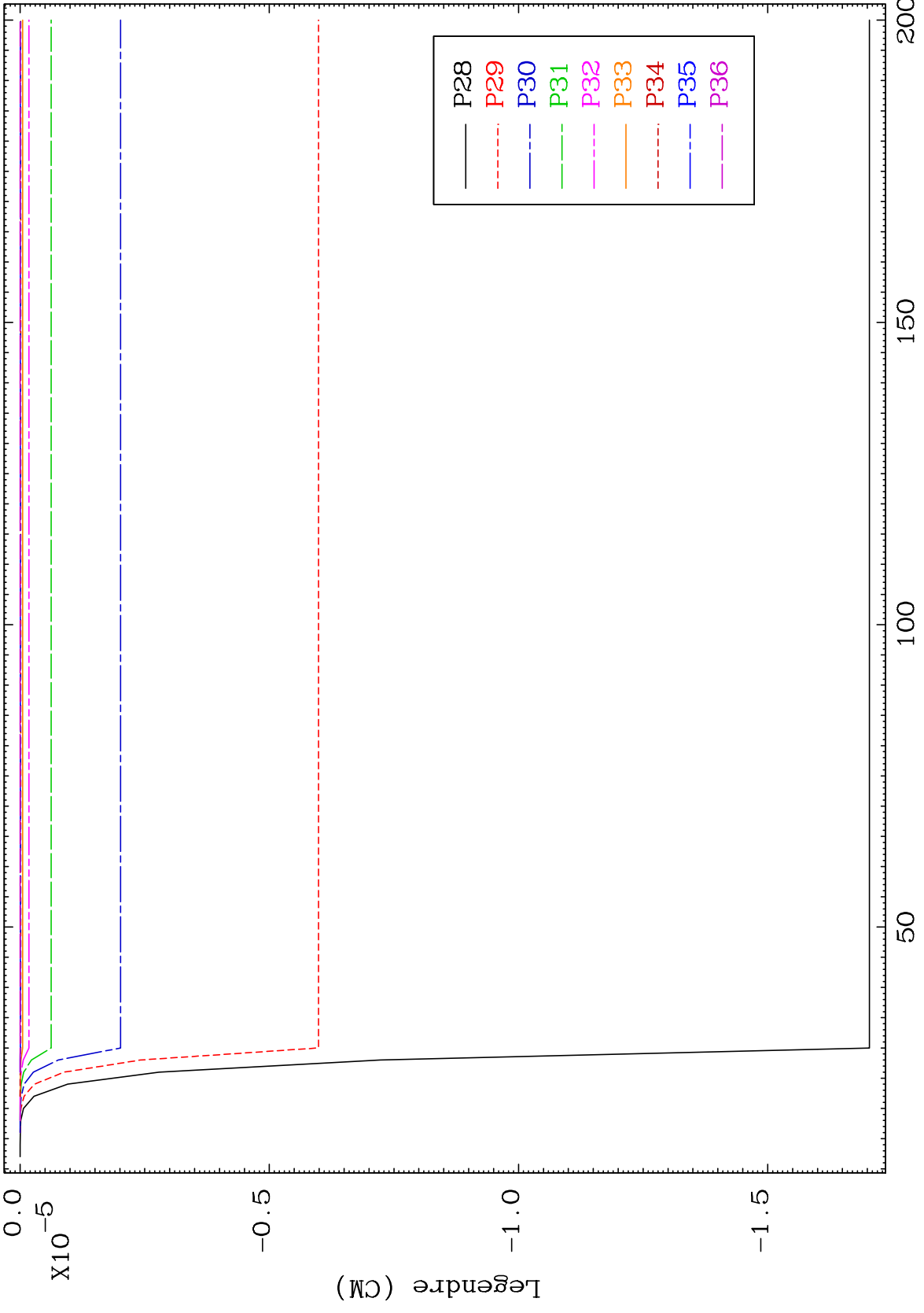


91

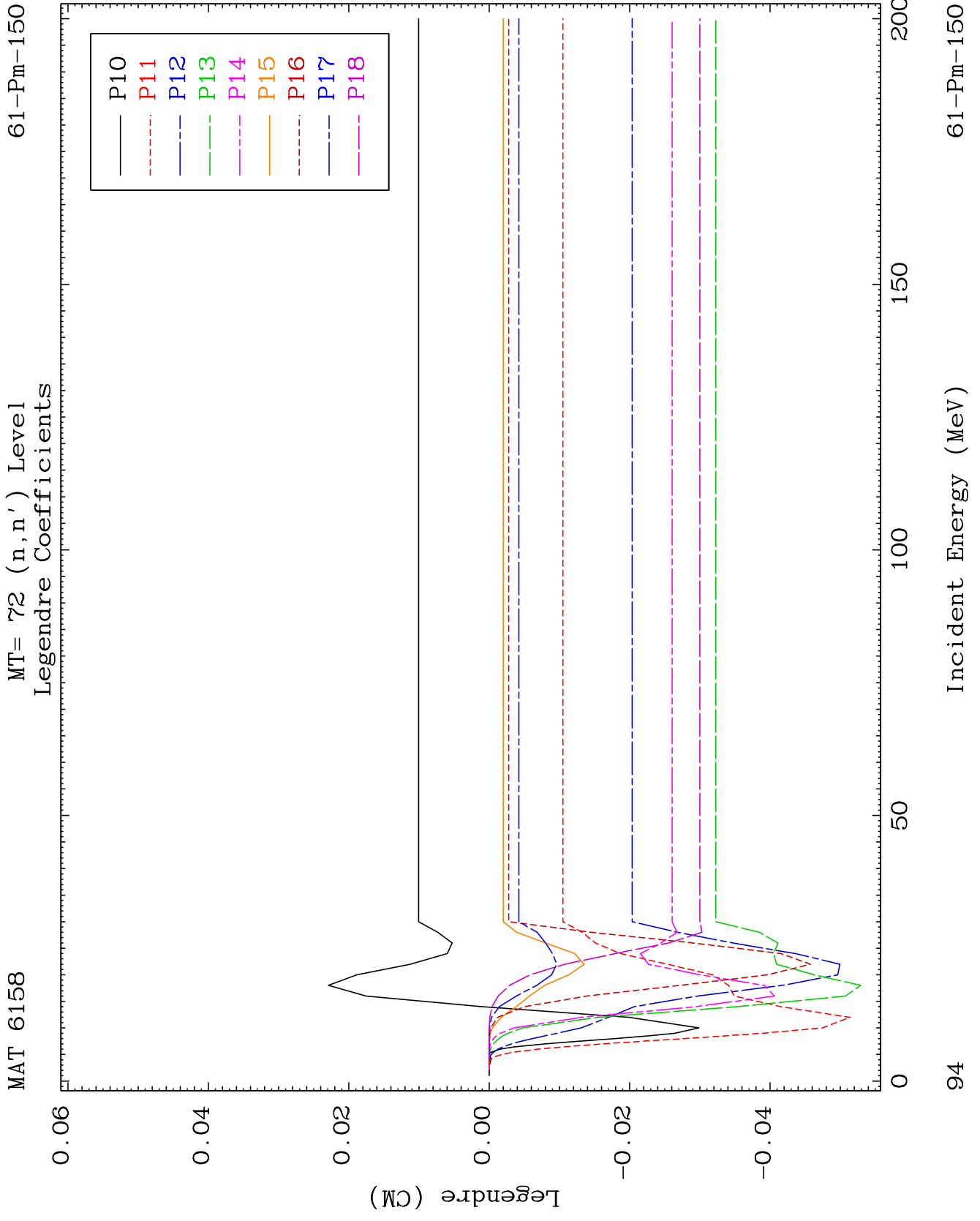
Incident Energy (MeV)

61-Pm-150

MAT 6158 MT= 71 (n,n') Level Legendre Coefficients 61-Pm-150



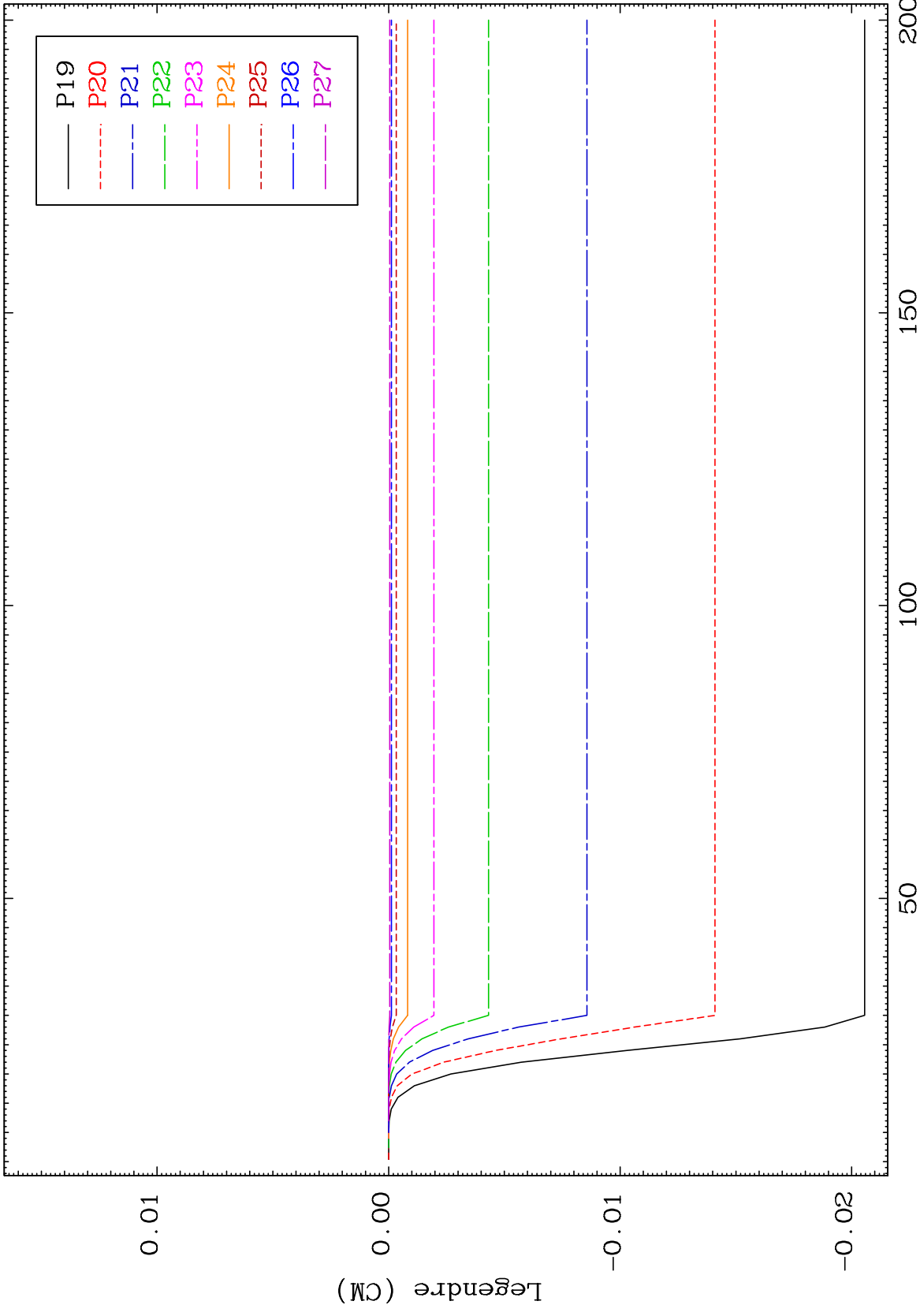
92 61-Pm-150



MAT 6158

MT= 72 (n,n') Level
Legendre Coefficients

61-Pm-150

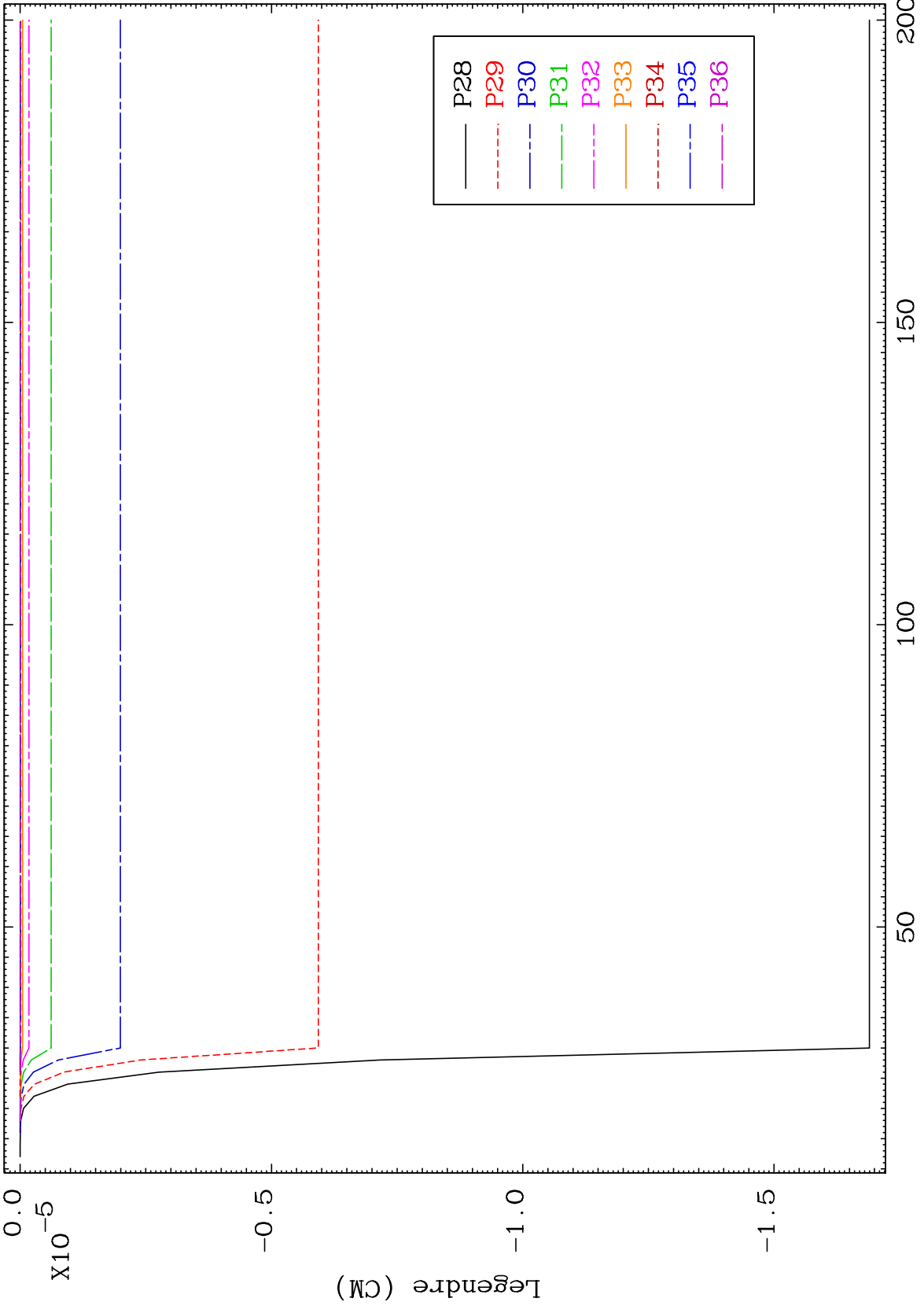


95

Incident Energy (MeV)

61-Pm-150

MAT 6158 MT= 72 (n,n') Level Legendre Coefficients 61-Pm-150

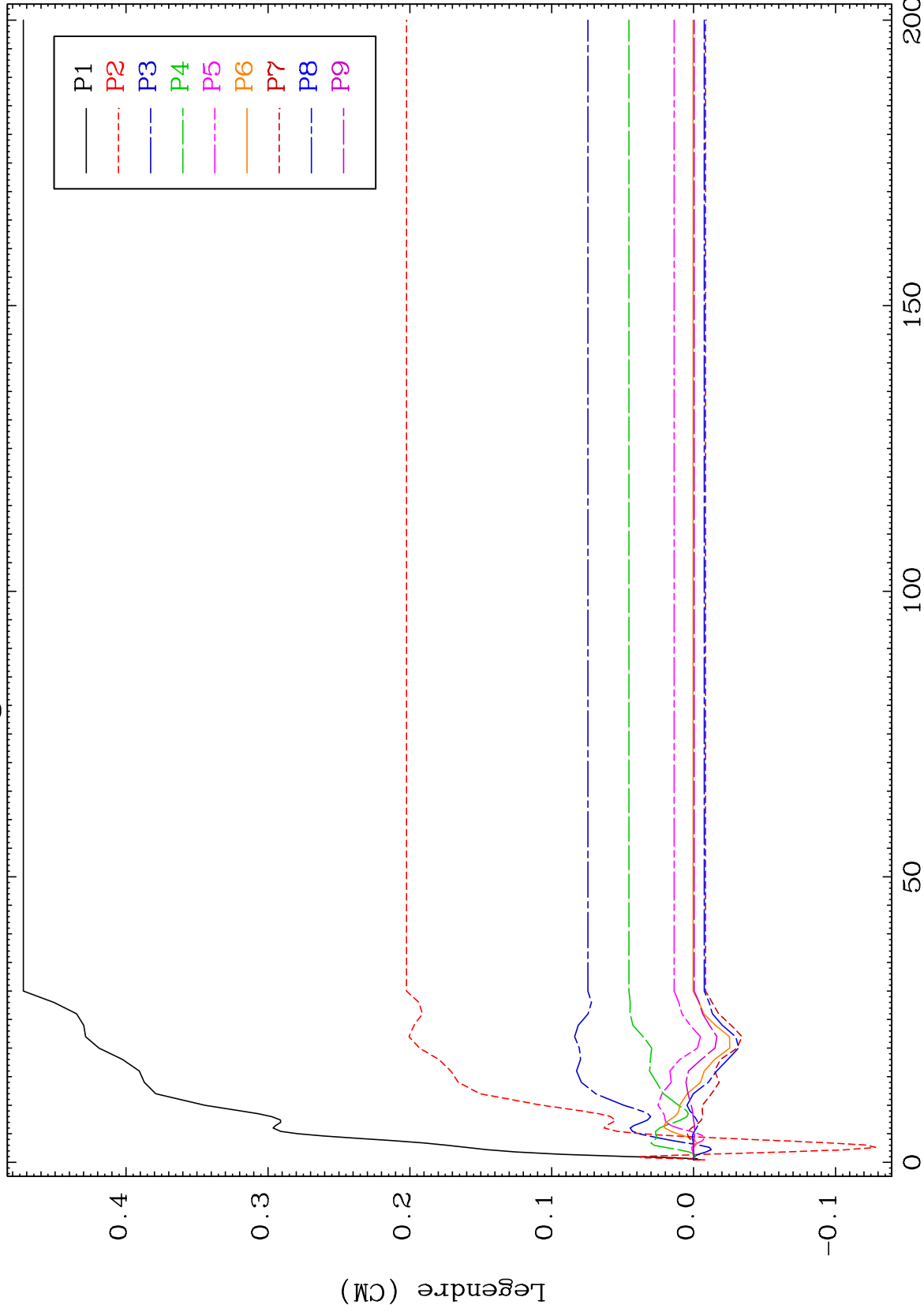


96 61-Pm-150

MAT 6158

MT= 73 (n,n') Level
Legendre Coefficients

61-Pm-150



97

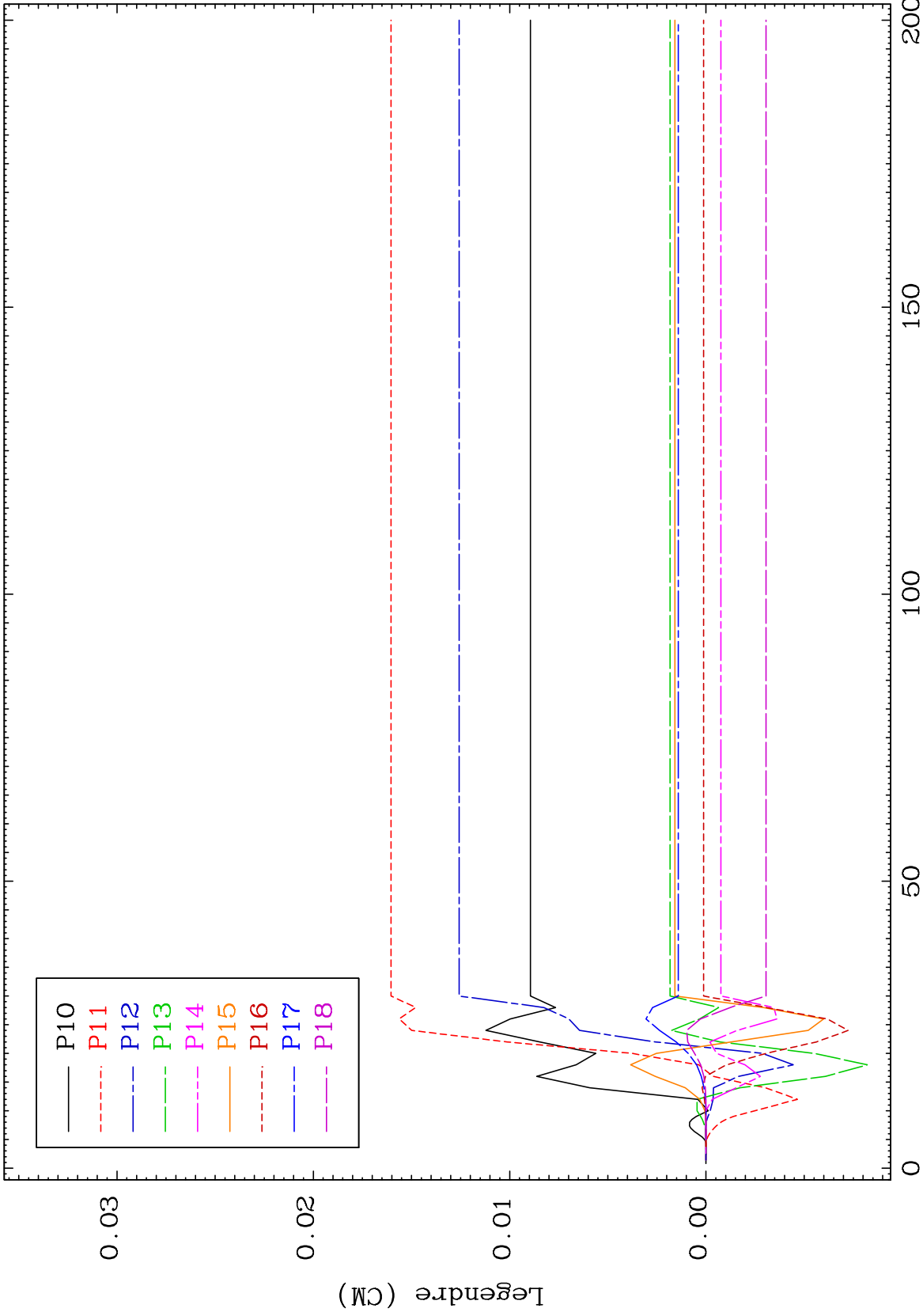
Incident Energy (MeV)

61-Pm-150

MAT 6158

MT= 73 (n,n') Level
Legendre Coefficients

61-Pm-150



98

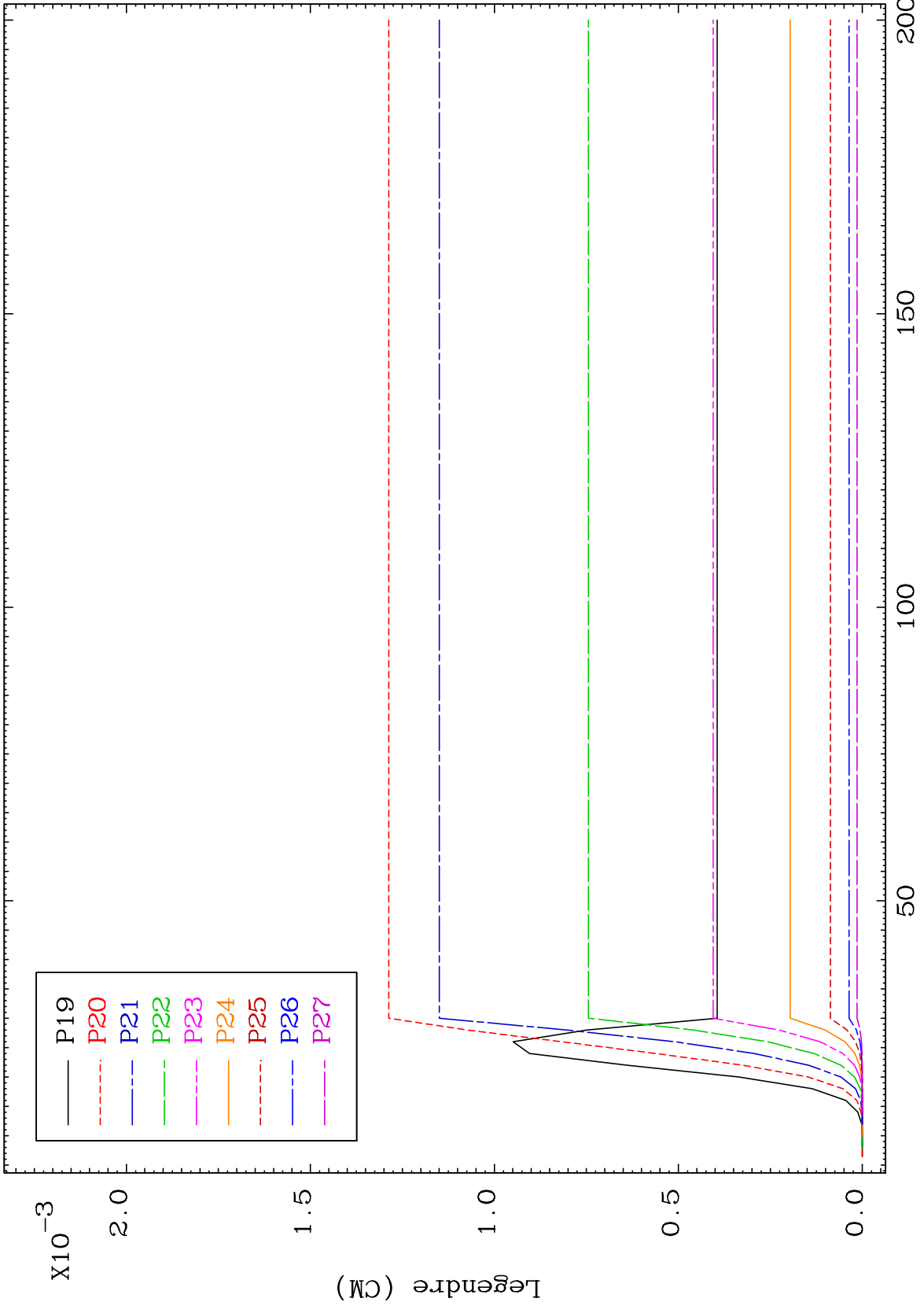
Incident Energy (MeV)

61-Pm-150

MAT 6158

MT= 73 (n,n') Level
Legendre Coefficients

61-Pm-150



99

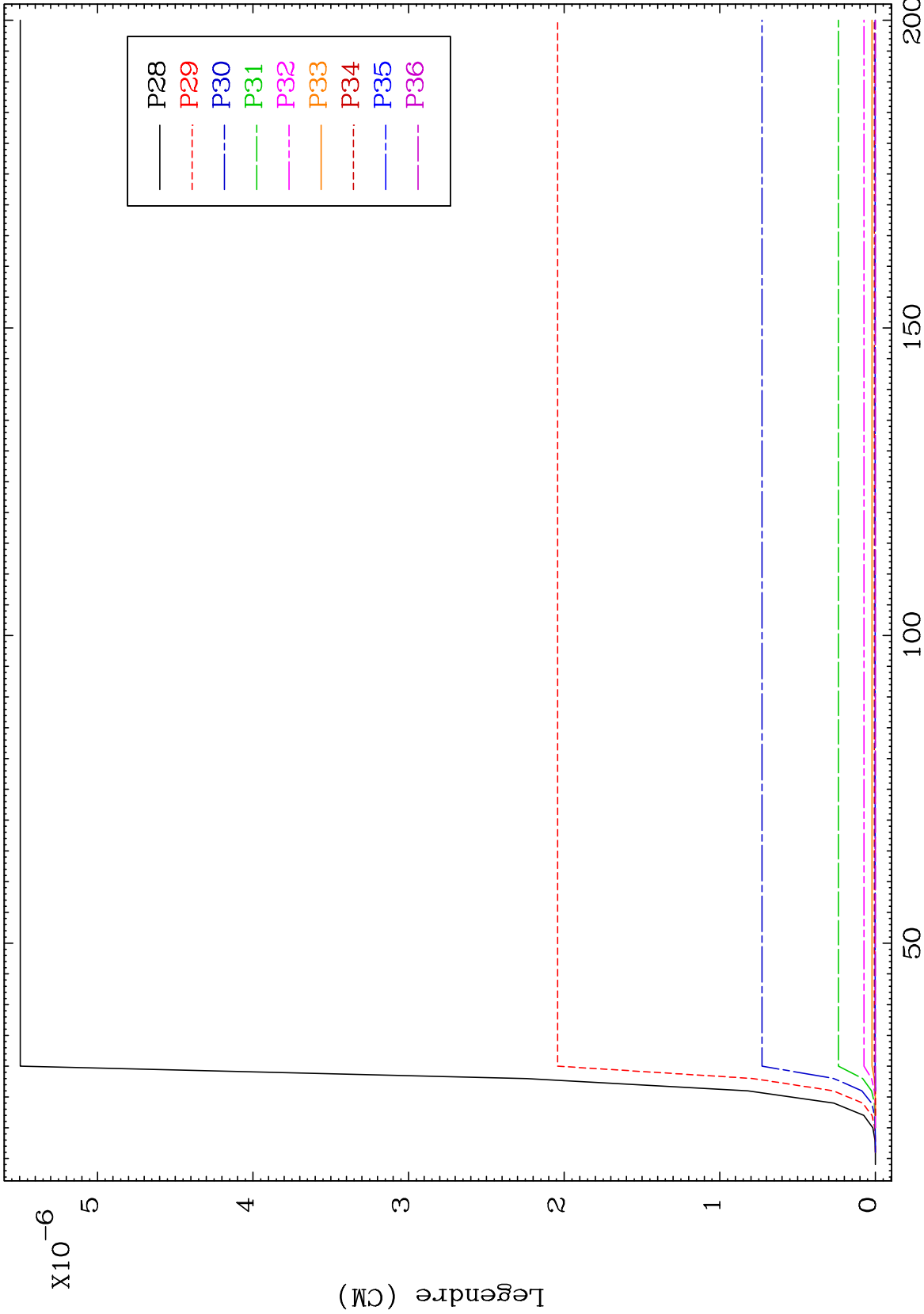
Incident Energy (MeV)

61-Pm-150

MAT 6158

MT= 73 (n,n') Level
Legendre Coefficients

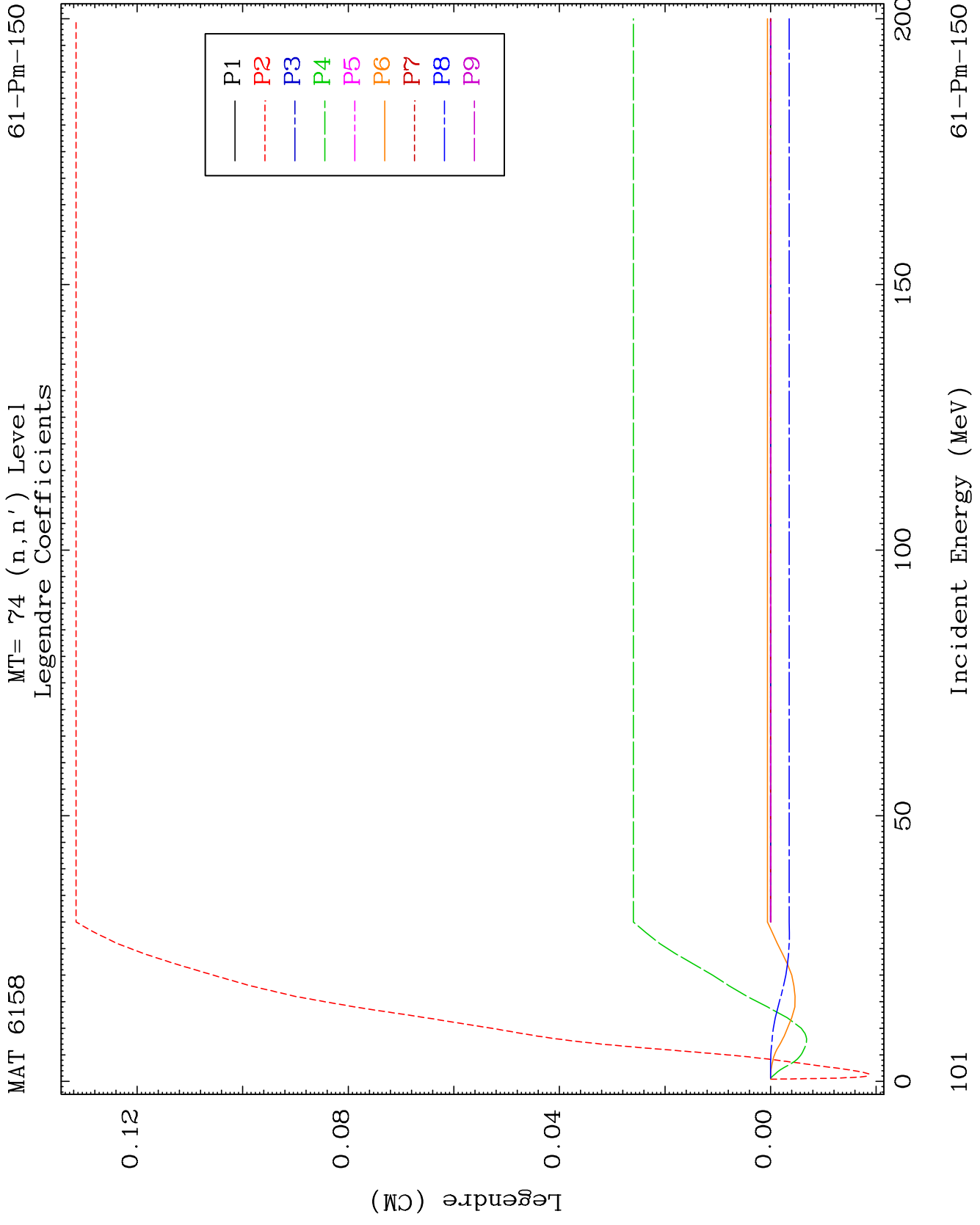
61-Pm-150



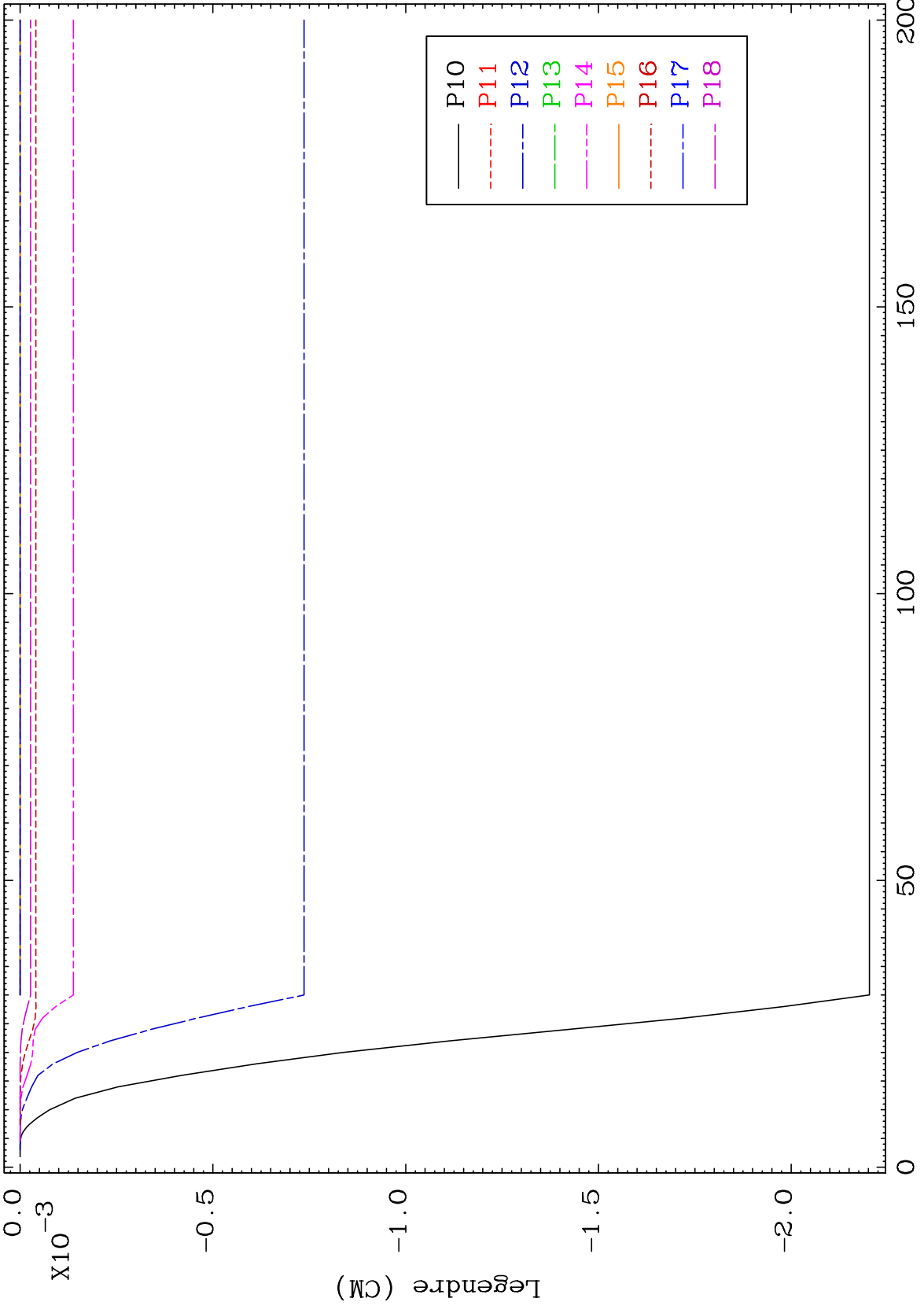
61-Pm-150

Incident Energy (MeV)

100

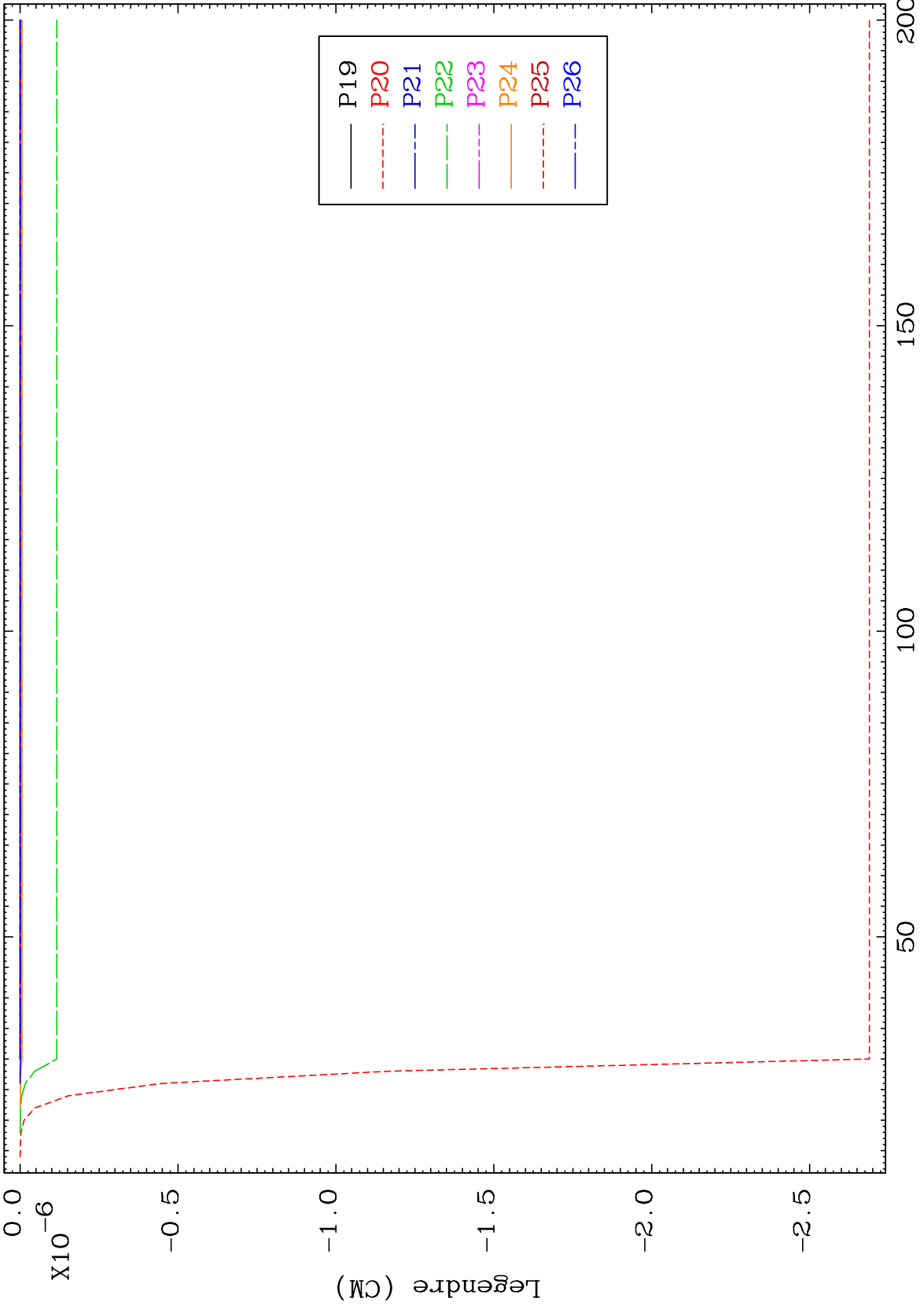


MAT 6158 MT= 74 (n,n') Level Legendre Coefficients 61-Pm-150



102 Incident Energy (MeV) 61-Pm-150

MAT 6158 MT= 74 (n,n') Level Legendre Coefficients 61-Pm-150

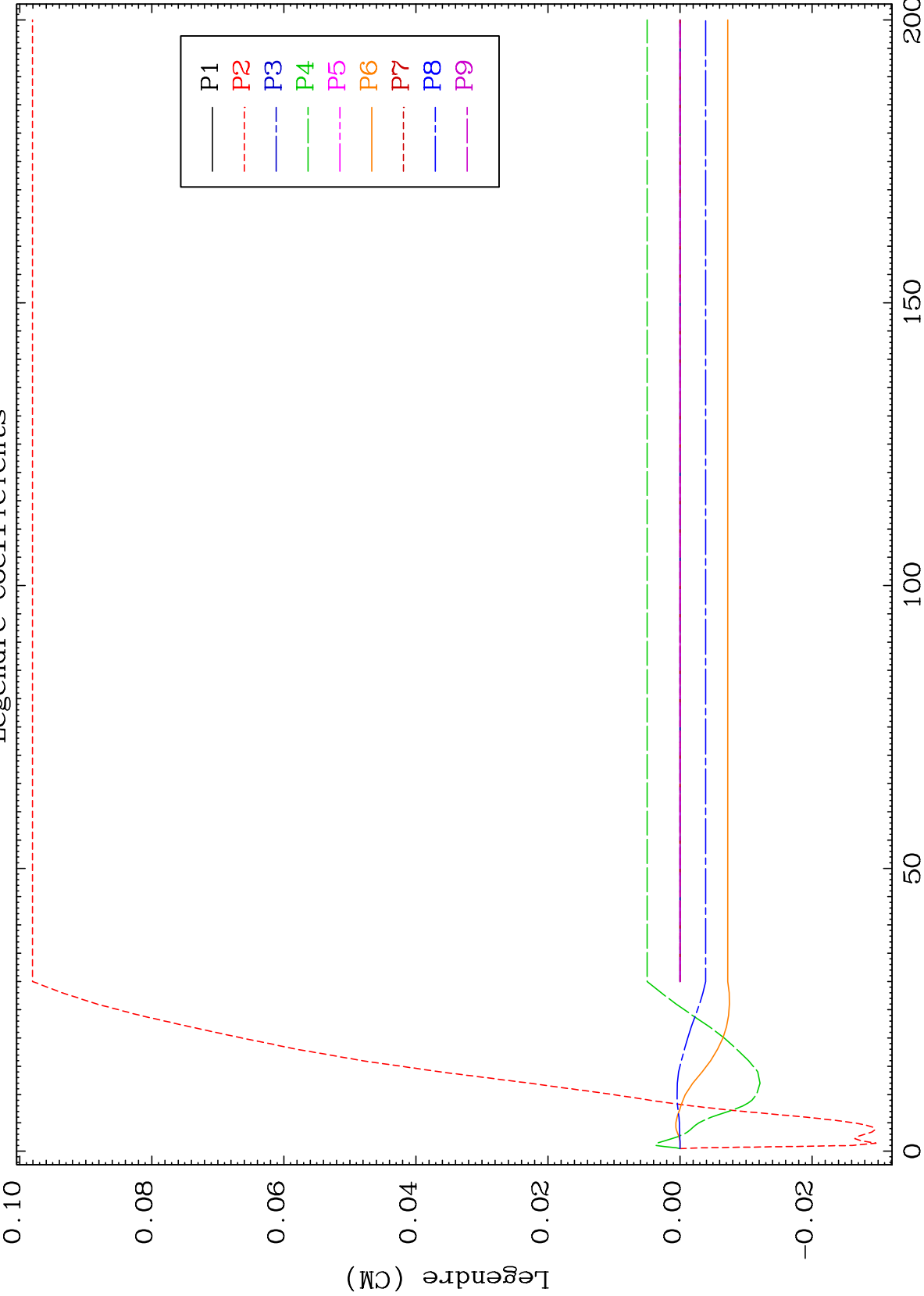


103 61-Pm-150

MAT 6158 MT= 75 (n,n') Level Legendre Coefficients

61-Pm-150

104



61-Pm-150

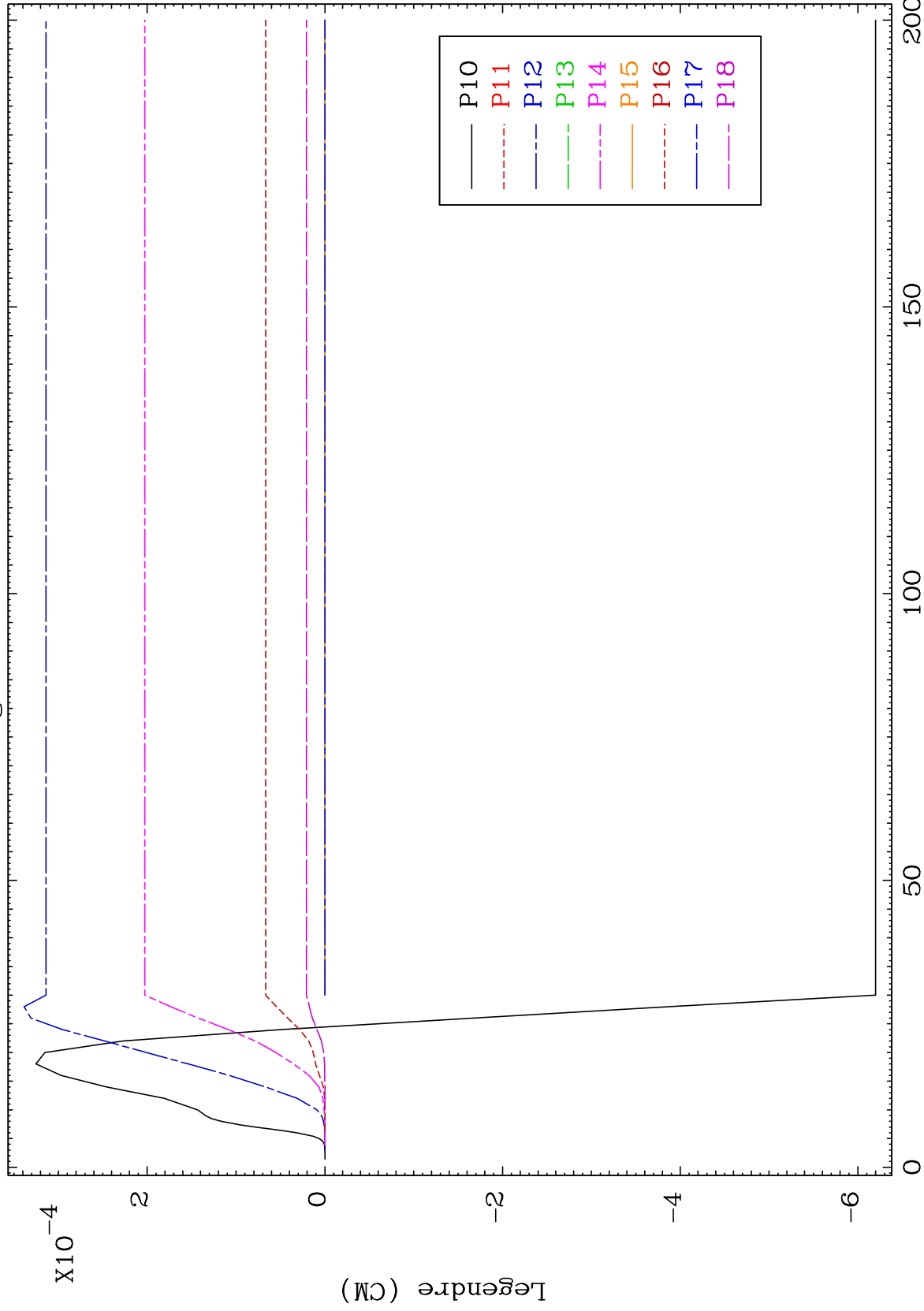
Incident Energy (MeV)

104

MAT 6158

MT= 75 (n,n') Level
Legendre Coefficients

61-Pm-150

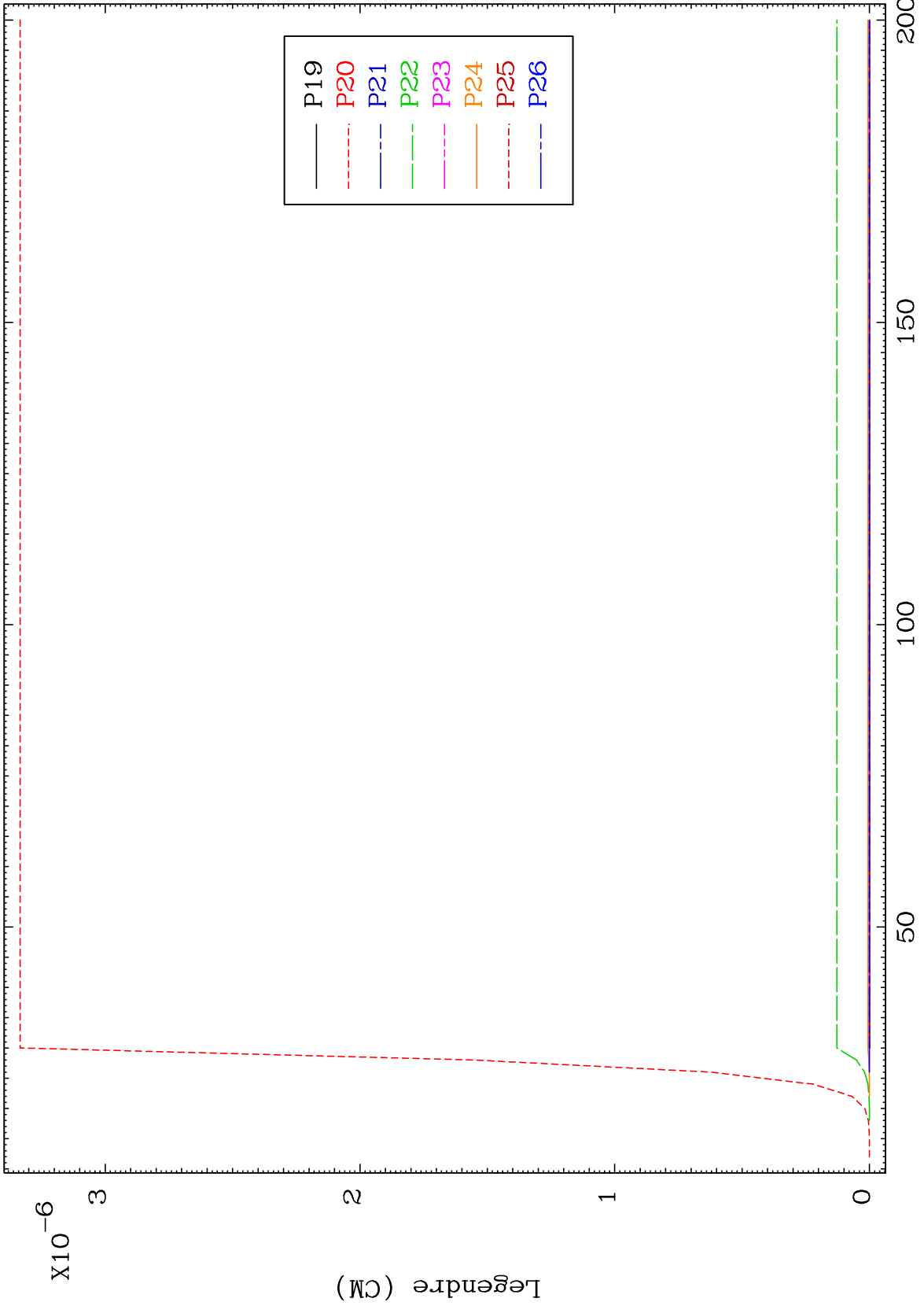


105

Incident Energy (MeV)

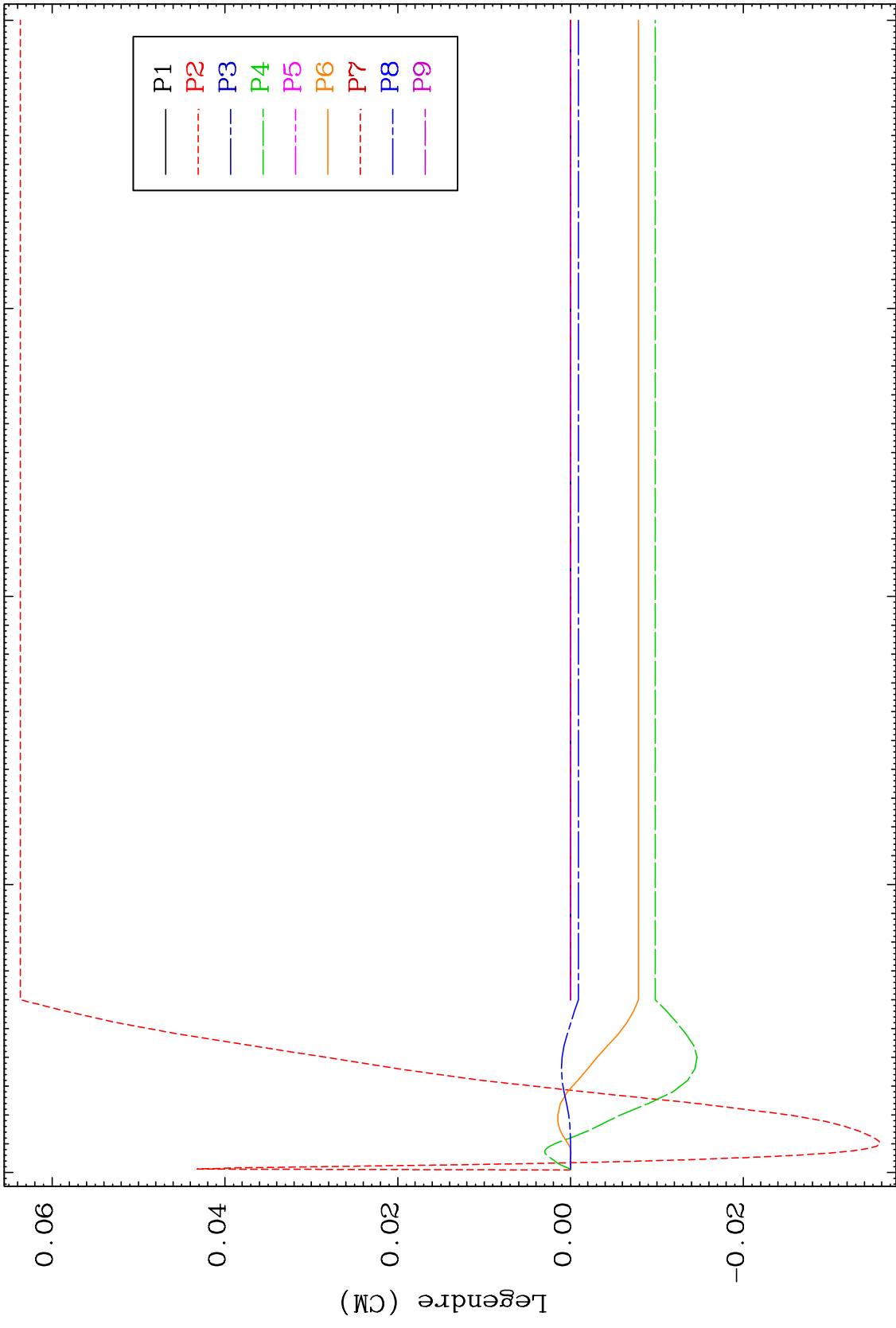
61-Pm-150

MAT 6158 MT= 75 (n,n') Level Legendre Coefficients 61-Pm-150



106 Incident Energy (MeV) 150 200 61-Pm-150

MAT 6158 MT= 76 (n,n') Level Legendre Coefficients 61-Pm-150

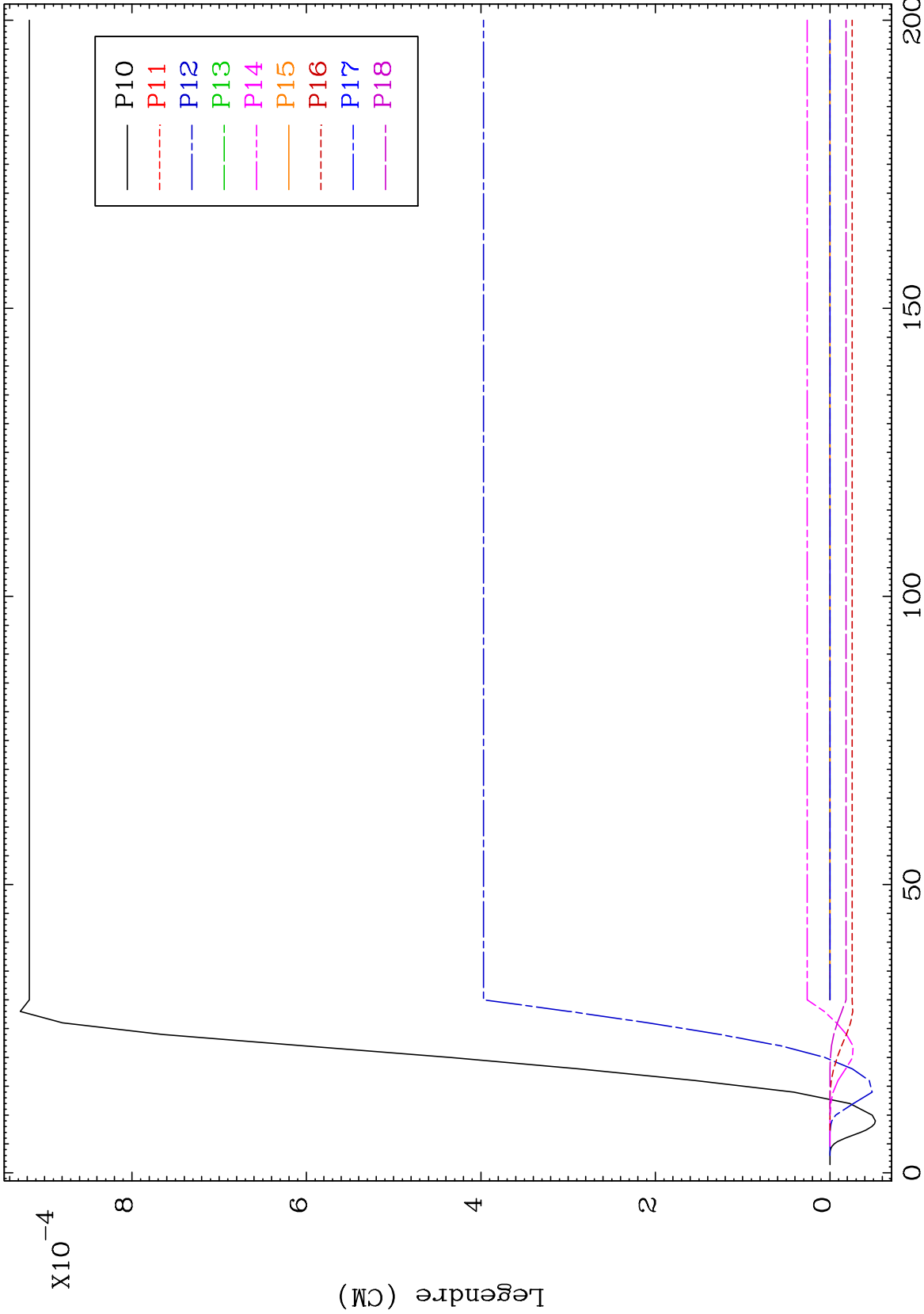


107 Incident Energy (MeV) 61-Pm-150

MAT 6158

MT= 76 (n,n') Level
Legendre Coefficients

61-Pm-150

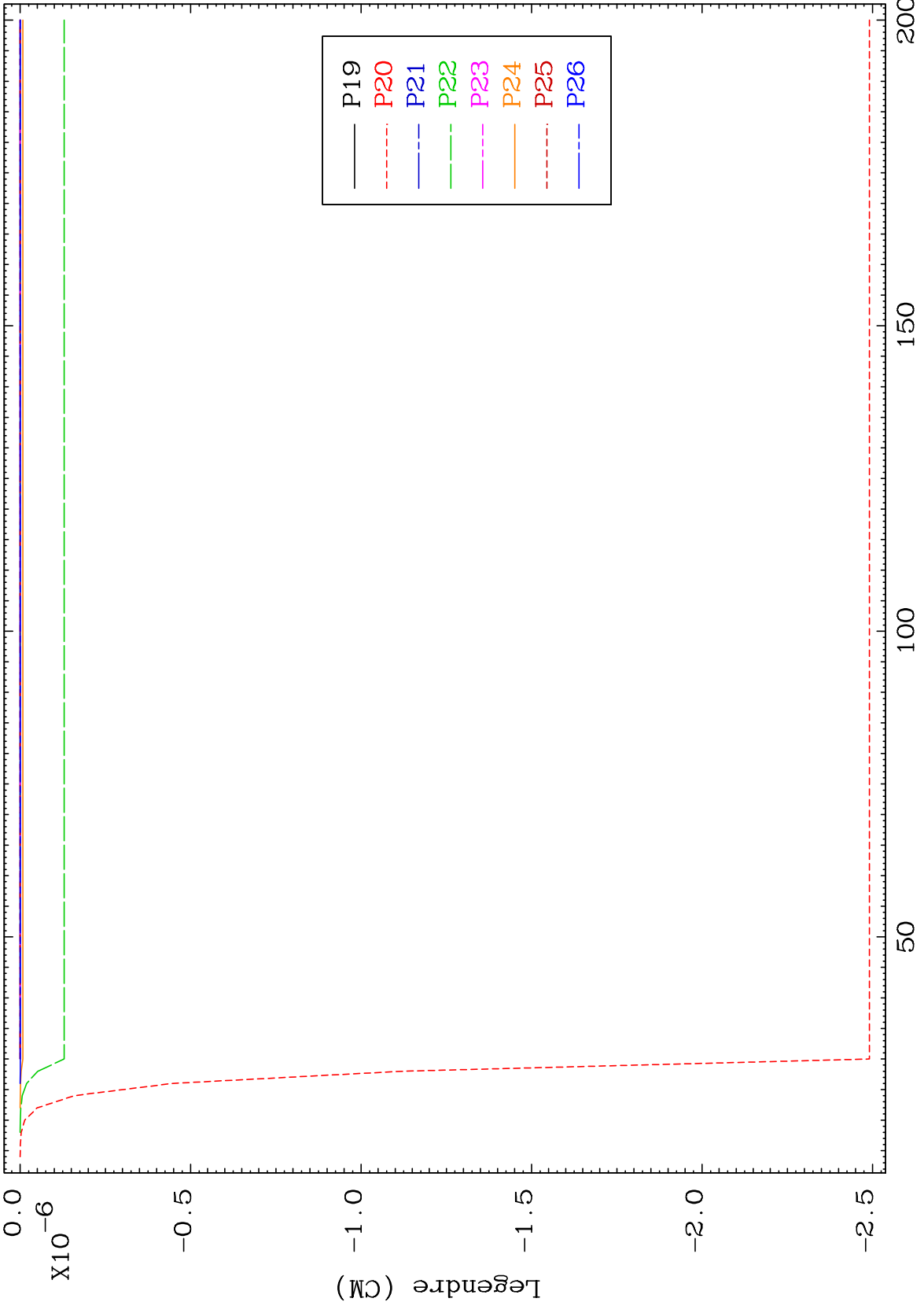


108

Incident Energy (MeV)

61-Pm-150

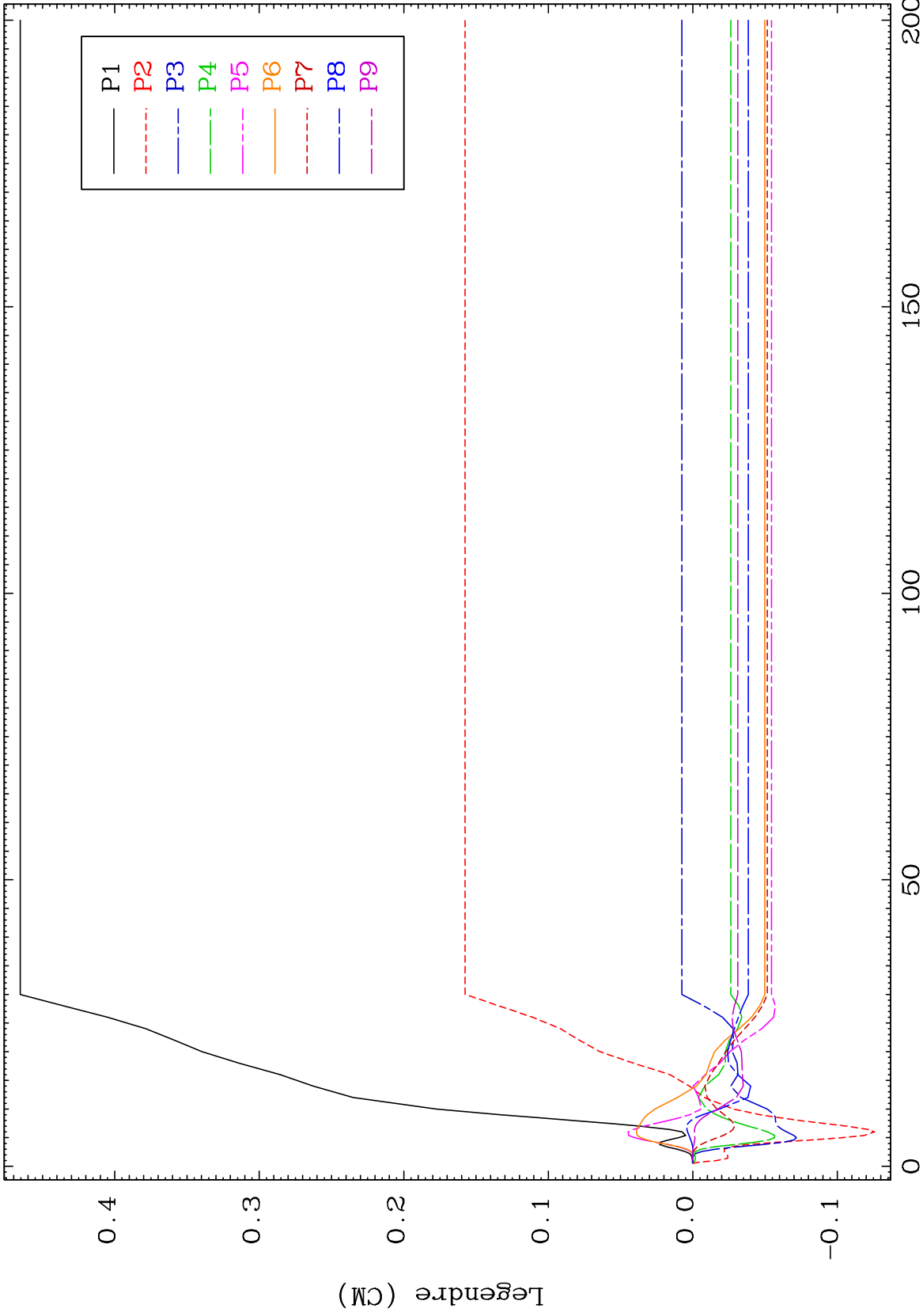
MAT 6158 MT= 76 (n,n') Level Legendre Coefficients 61-Pm-150



MAT 6158

MT= 77 (n,n') Level
Legendre Coefficients

61-Pm-150

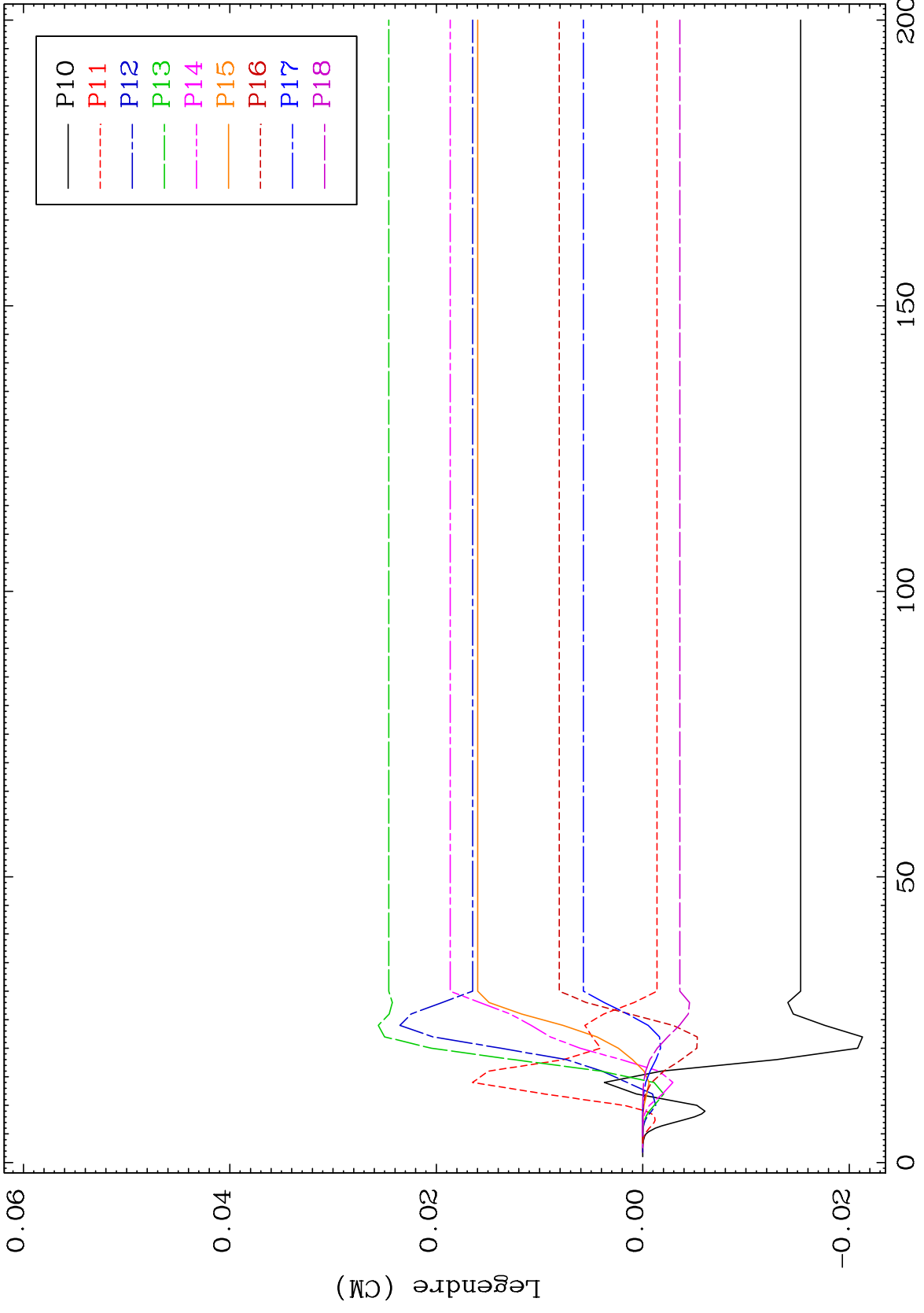


61-Pm-150

Incident Energy (MeV)

110

MAT 6158 MT= 77 (n,n') Level Legendre Coefficients 61-Pm-150



61-Pm-150

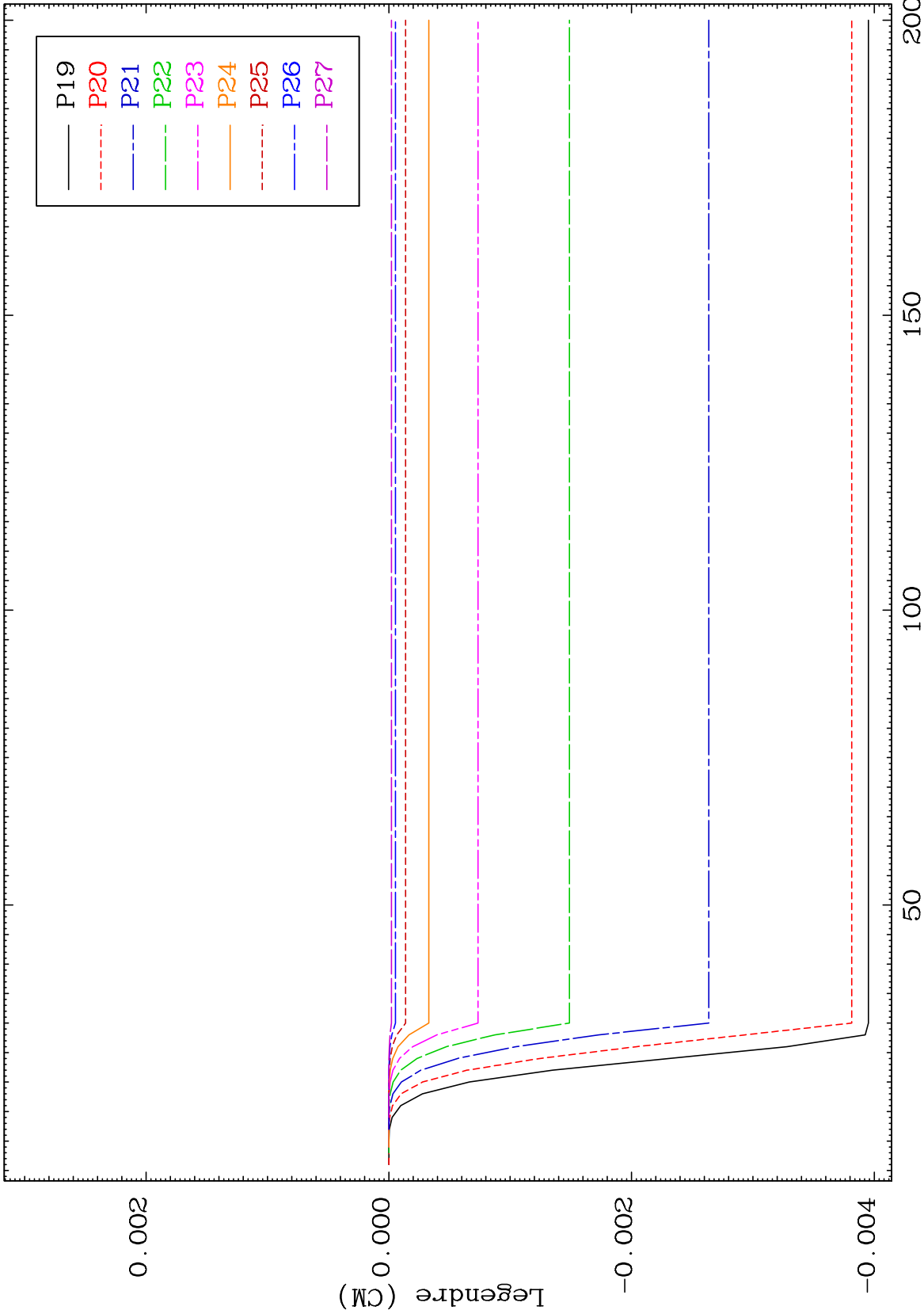
Incident Energy (MeV)

111

MAT 6158

MT= 77 (n,n') Level
Legendre Coefficients

61-Pm-150

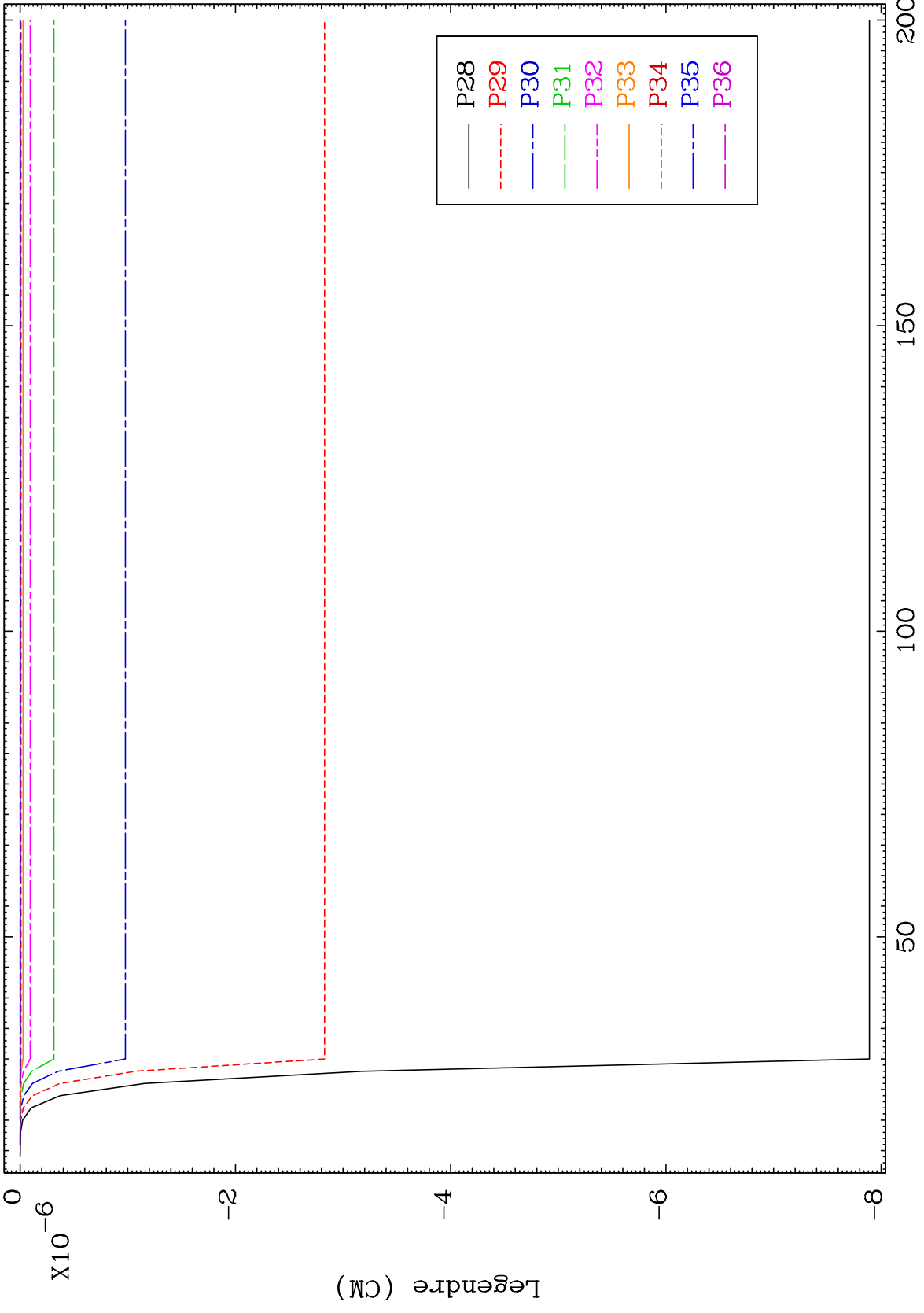


112

Incident Energy (MeV)

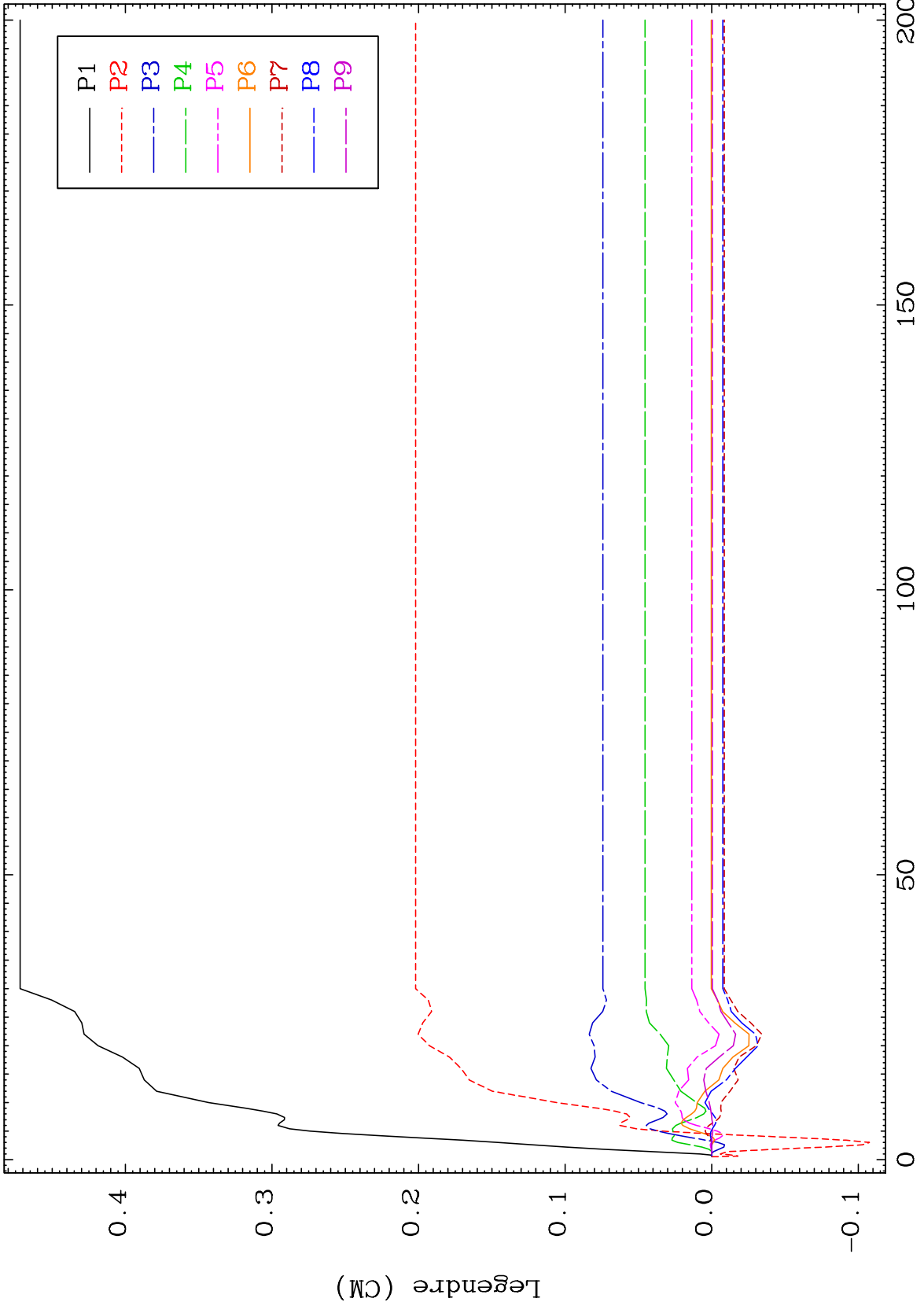
61-Pm-150

MAT 6158 MT= 77 (n,n') Level Legendre Coefficients 61-Pm-150



113 61-Pm-150

MAT 6158 MT= 78 (n,n') Level Legendre Coefficients 61-Pm-150

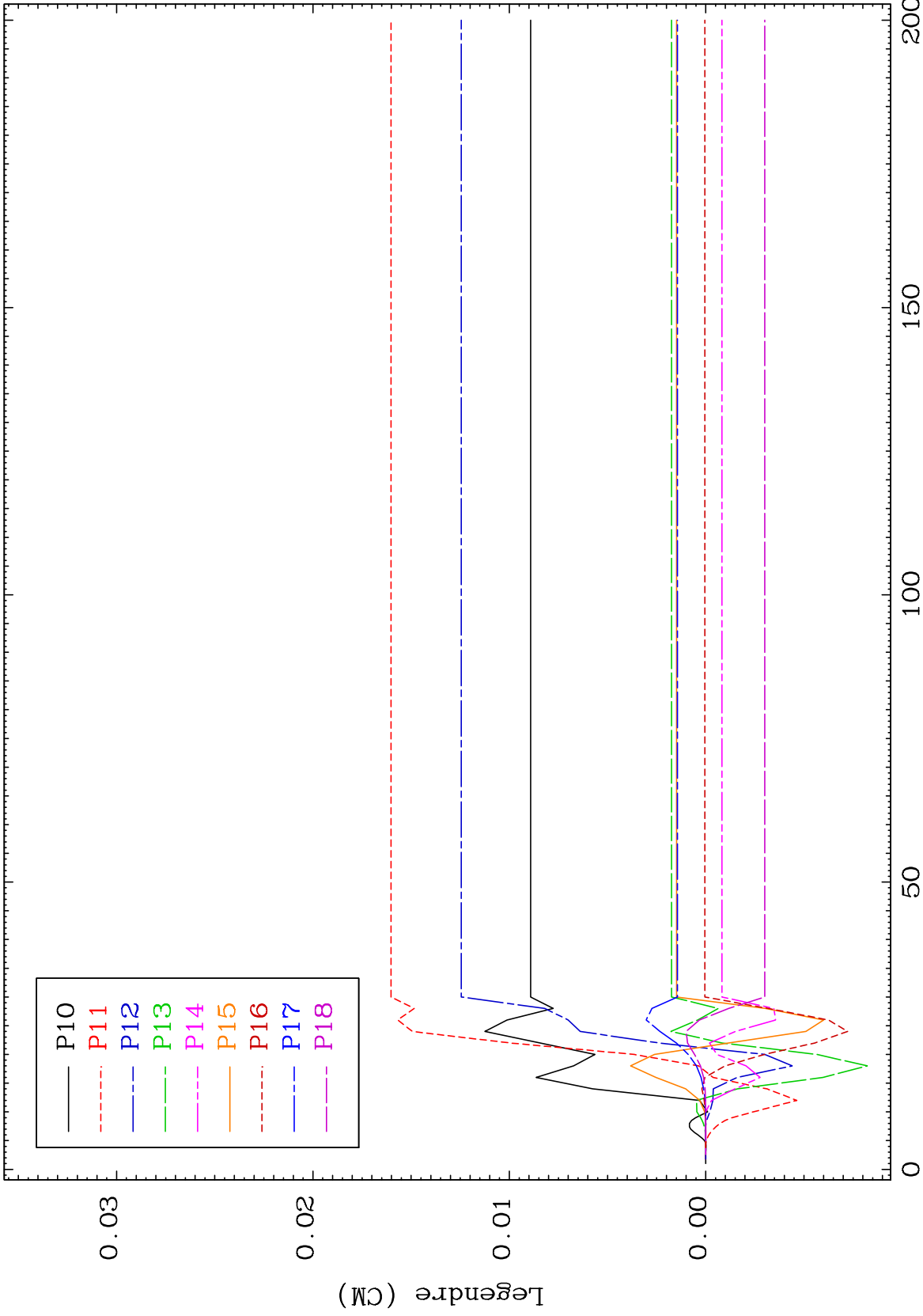


114 61-Pm-150

MAT 6158

MT= 78 (n,n') Level
Legendre Coefficients

61-Pm-150



115

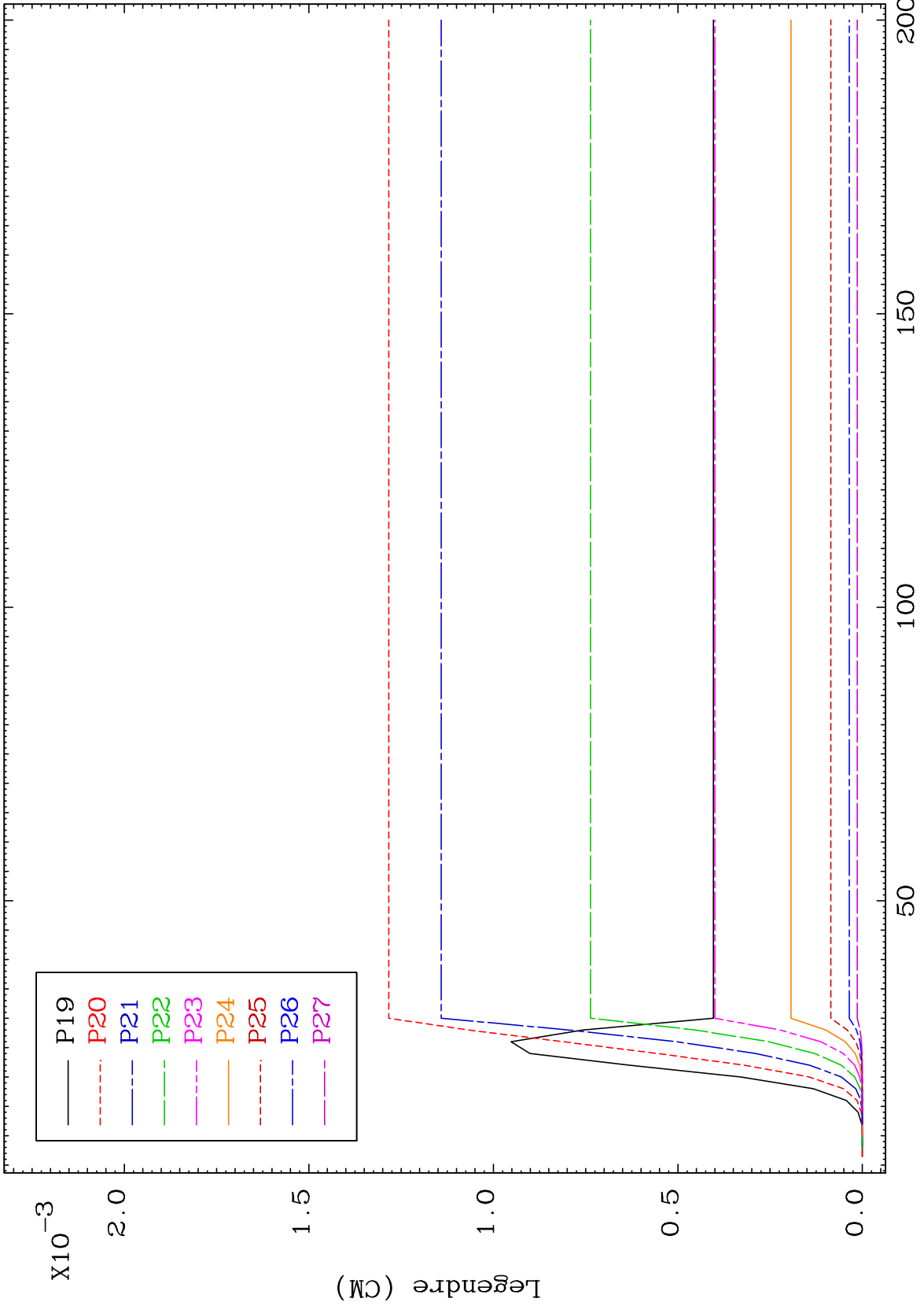
Incident Energy (MeV)

61-Pm-150

MAT 6158

MT= 78 (n,n') Level
Legendre Coefficients

61-Pm-150



116

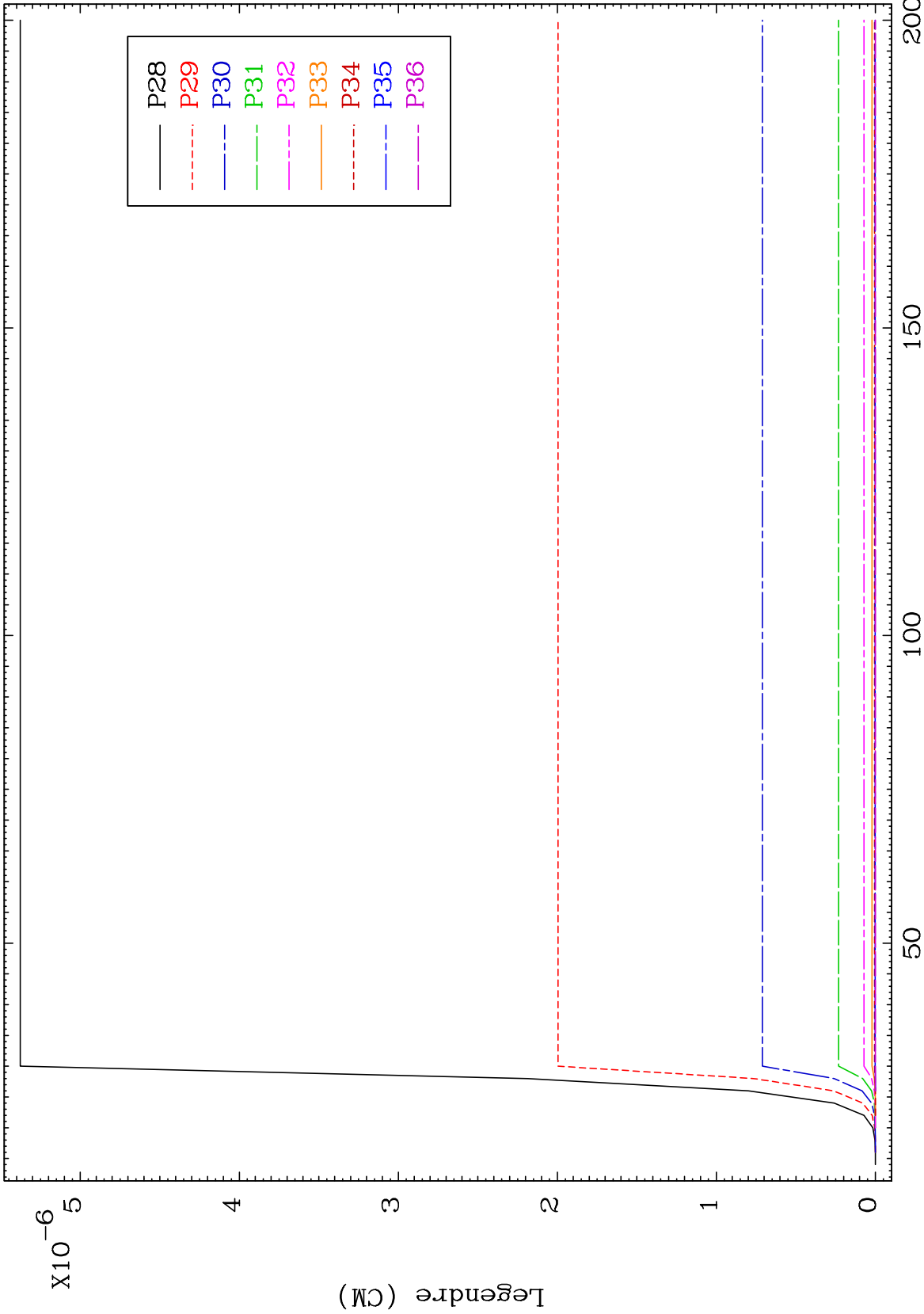
Incident Energy (MeV)

61-Pm-150

MAT 6158

MT= 78 (n,n') Level
Legendre Coefficients

61-Pm-150



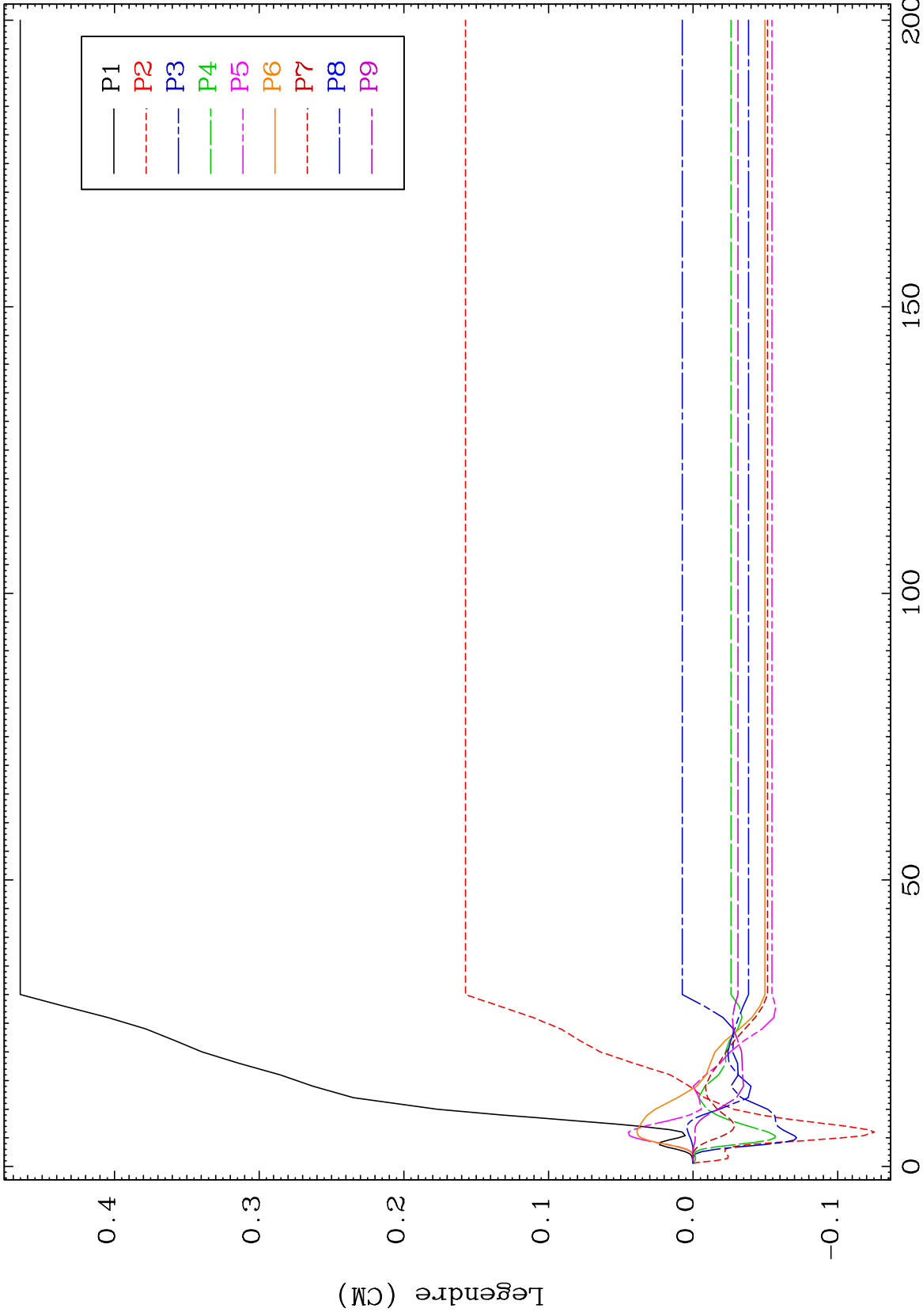
117

61-Pm-150

MAT 6158

MT= 79 (n,n') Level
Legendre Coefficients

61-Pm-150

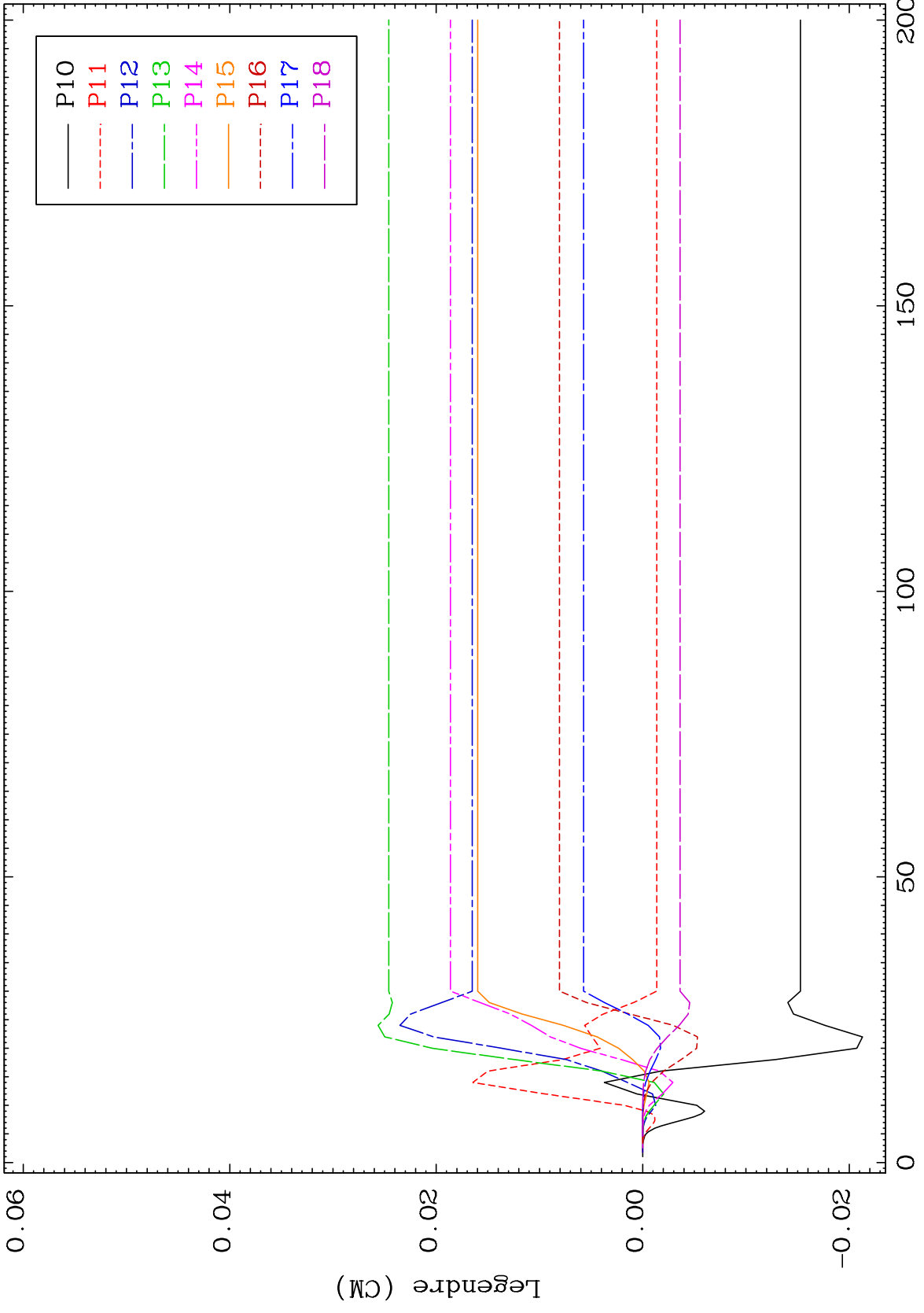


61-Pm-150

Incident Energy (MeV)

118

MAT 6158 MT= 79 (n,n') Level Legendre Coefficients 61-Pm-150



61-Pm-150

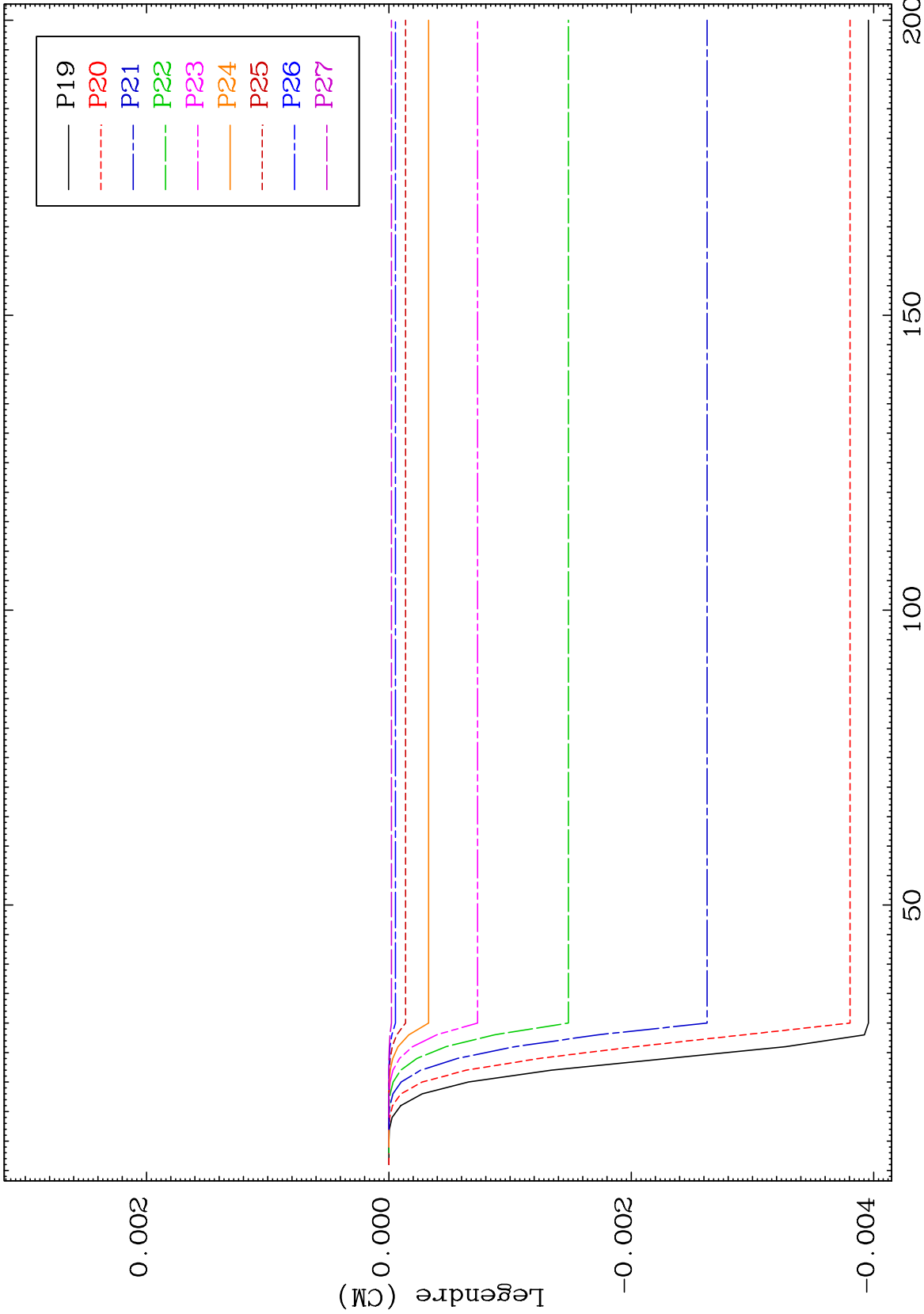
Incident Energy (MeV)

119

MAT 6158

MT= 79 (n,n') Level
Legendre Coefficients

61-Pm-150

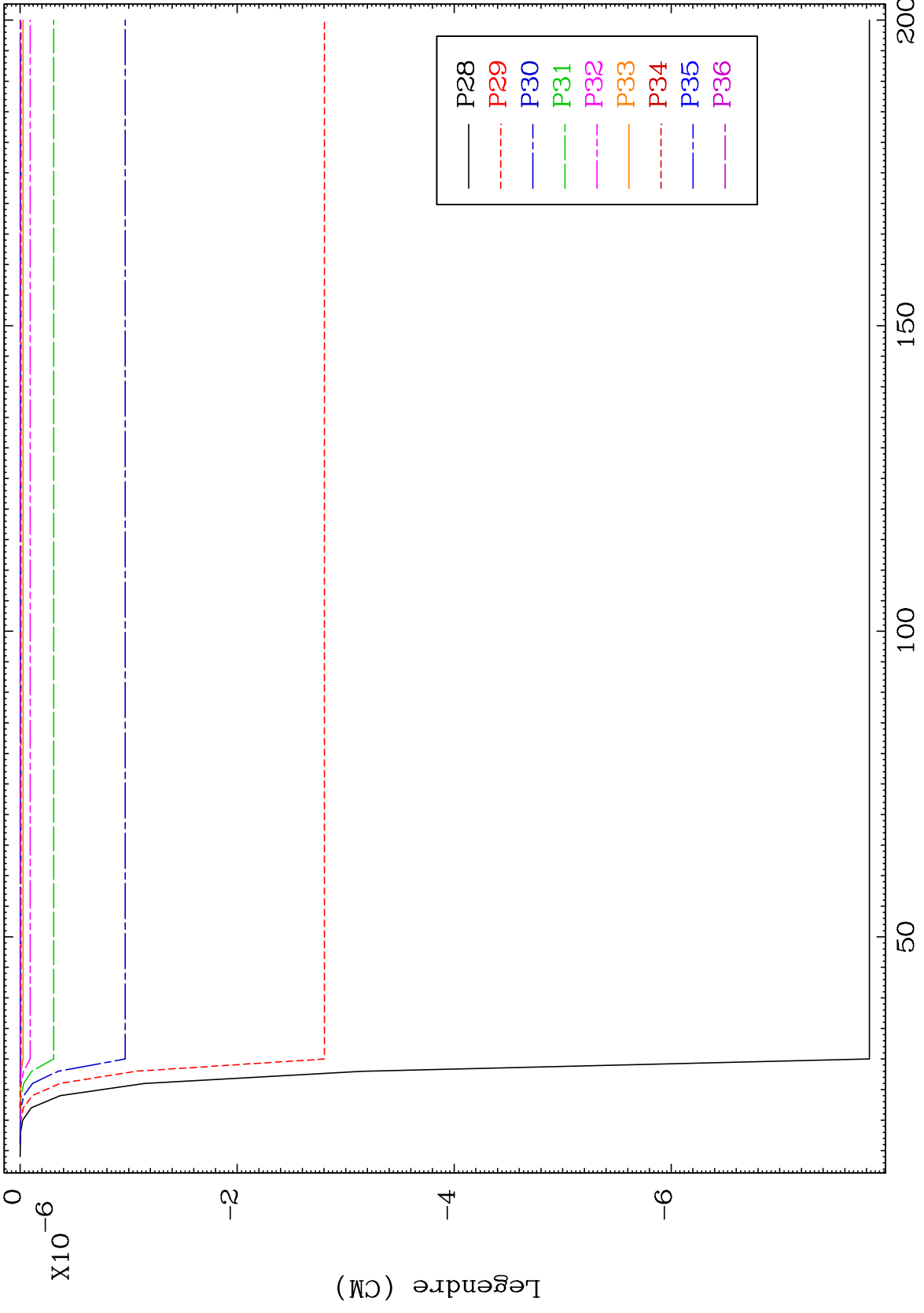


120

Incident Energy (MeV)

61-Pm-150

MAT 6158 MT= 79 (n,n') Level Legendre Coefficients 61-Pm-150

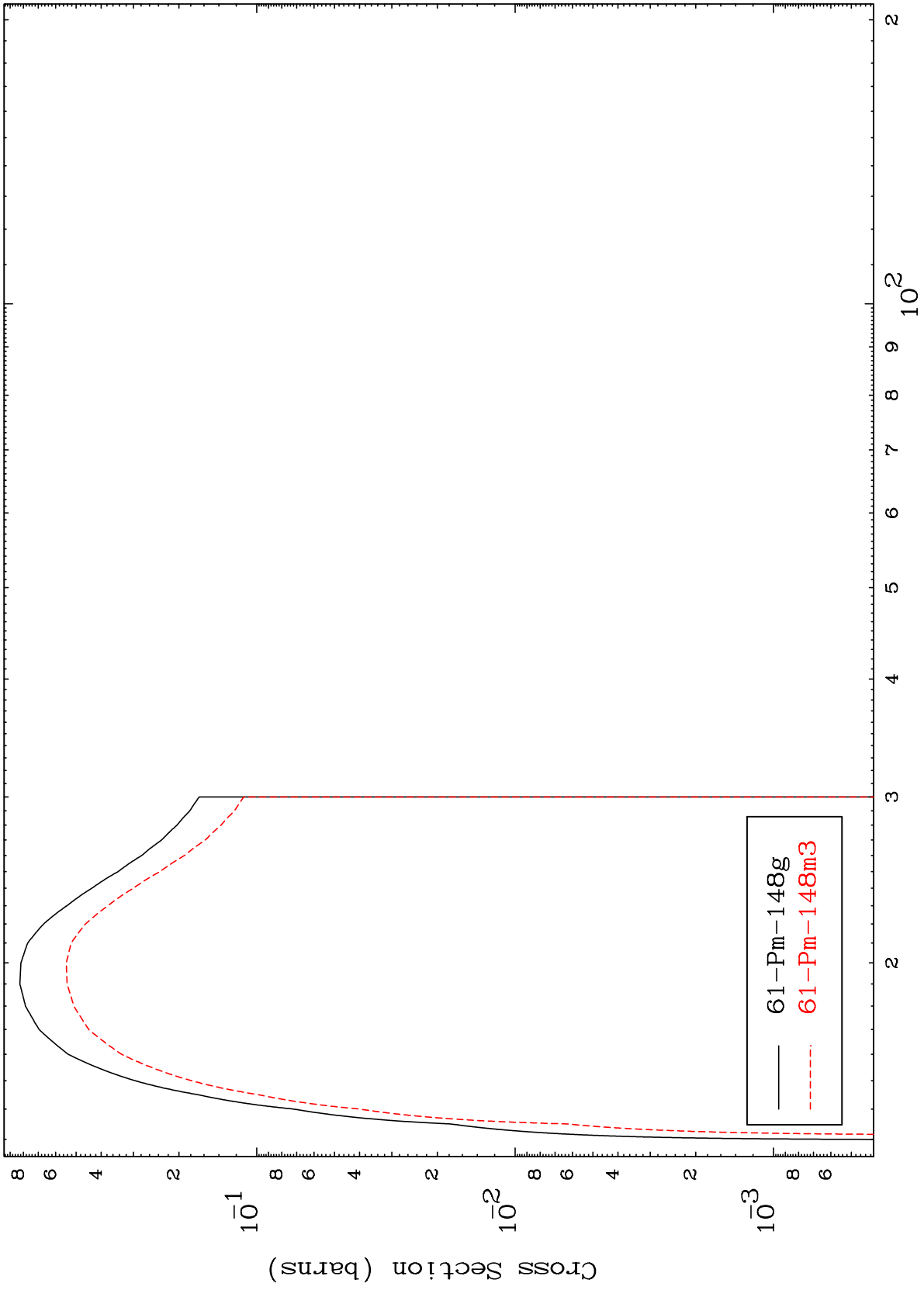


121 61-Pm-150

MAT 6158

61-Pm-150

(n,3n)
Radionuclide Production Cross Section



122

61-Pm-150

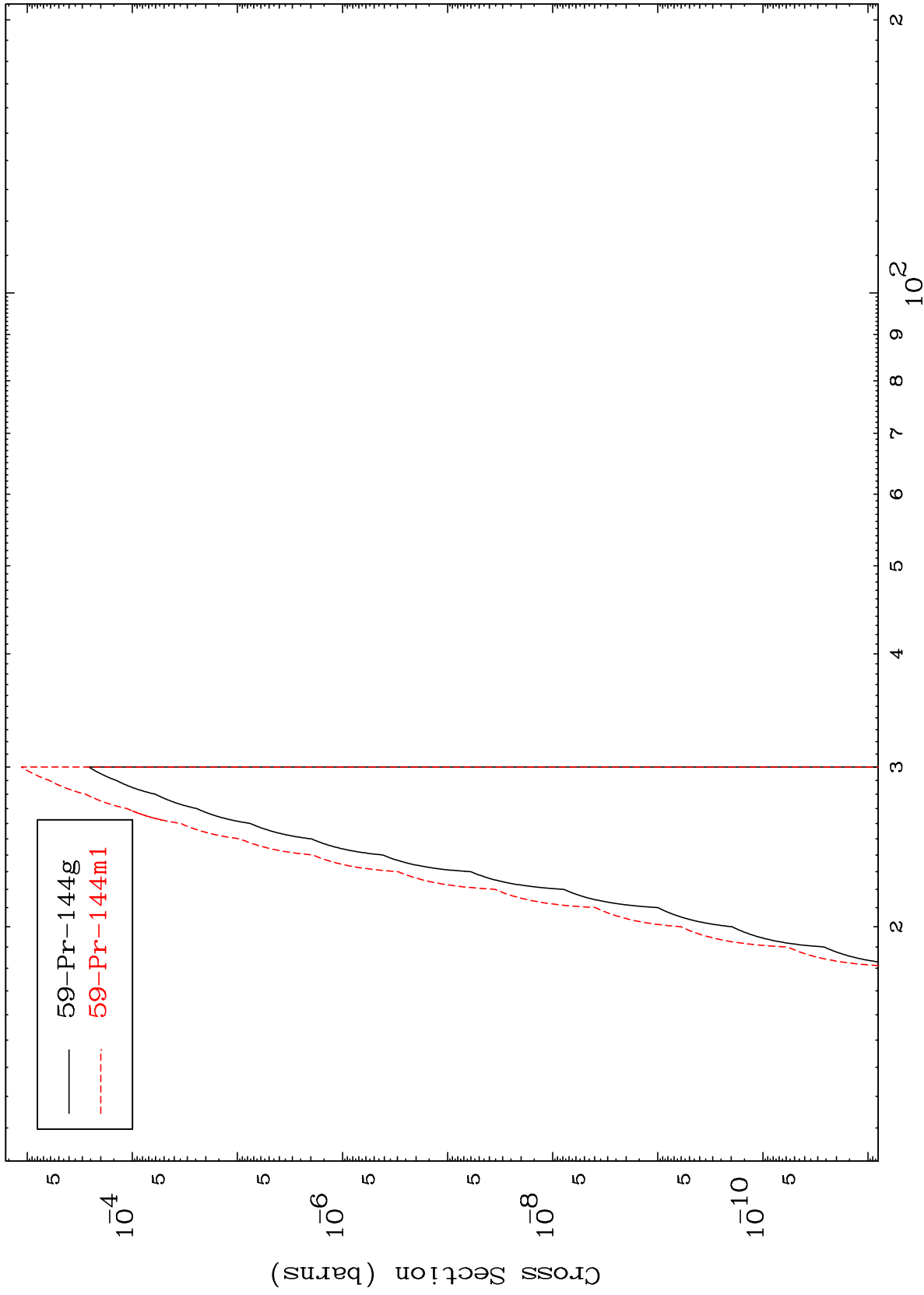
Incident Energy (MeV)

MAT 6158

(n,3n) α

61-Pm-150

Radionuclide Production Cross Section



123

Incident Energy (MeV)

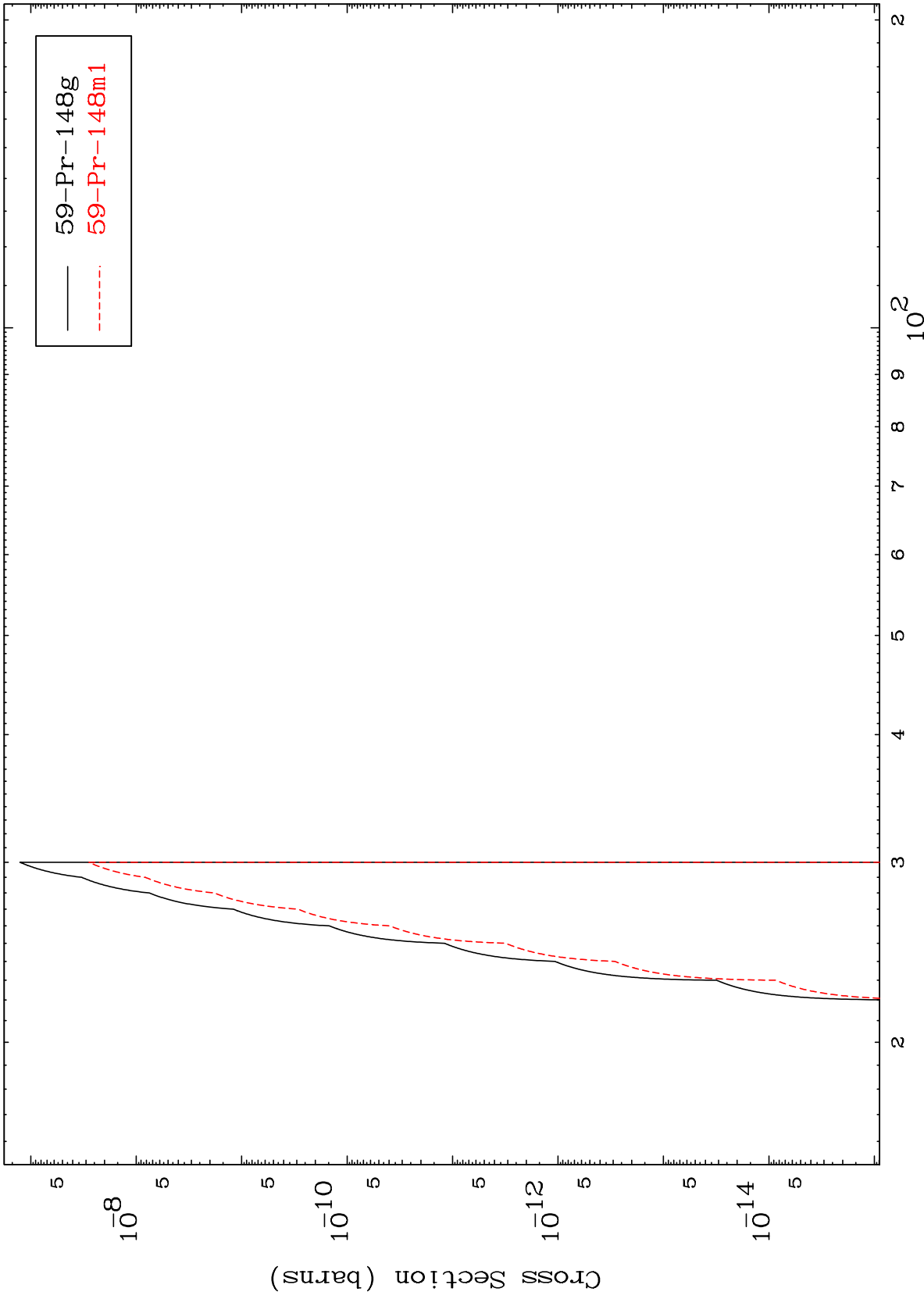
61-Pm-150

MAT 6158

(n,2n) p

61-Pm-150

Radionuclide Production Cross Section



124

Incident Energy (MeV)

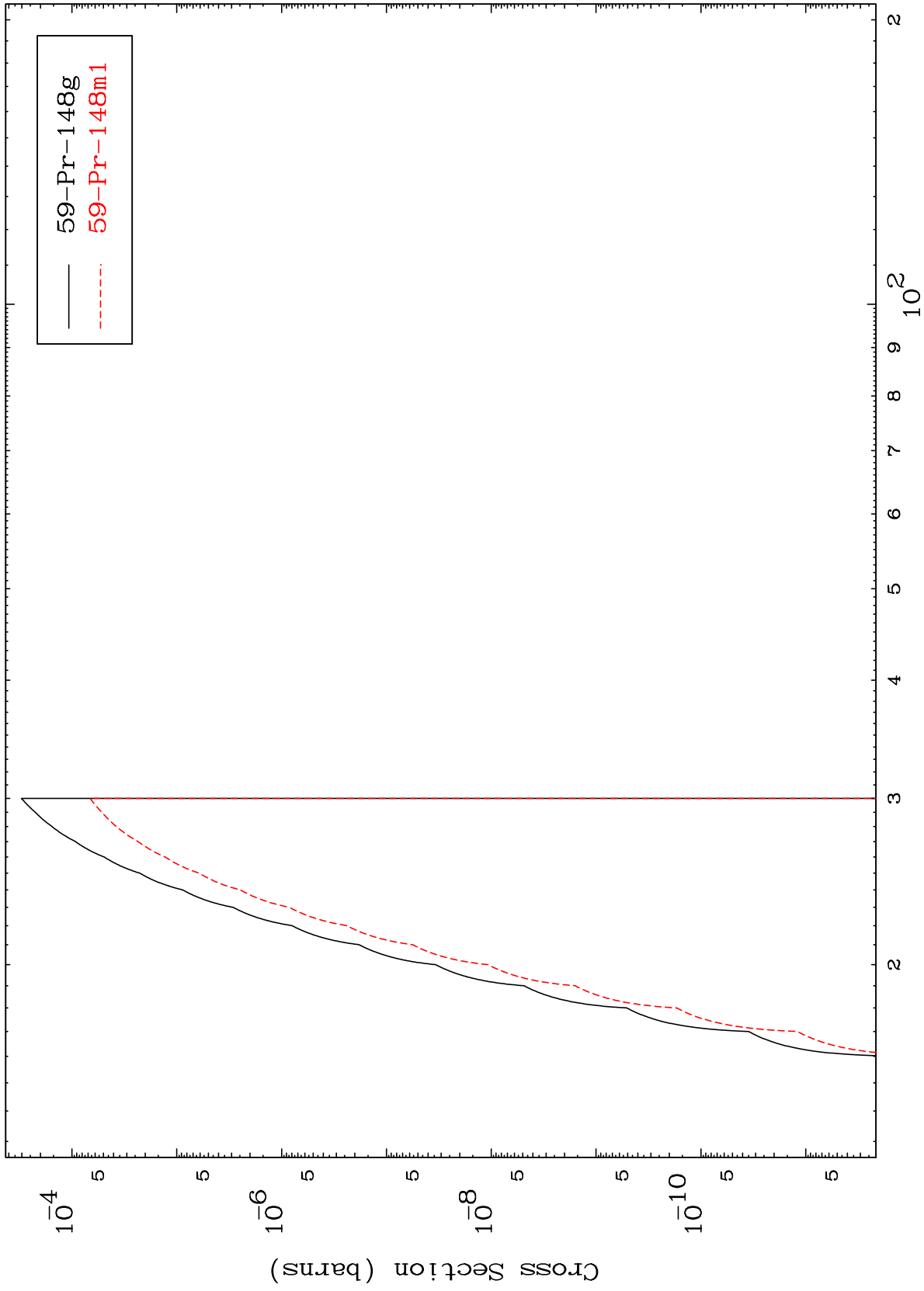
61-Pm-150

MAT 6158

(n, He-3)

61-Pm-150

Radionuclide Production Cross Section



125

Incident Energy (MeV)

61-Pm-150