

Program EVALPLOT
(Version 2018-1)

by

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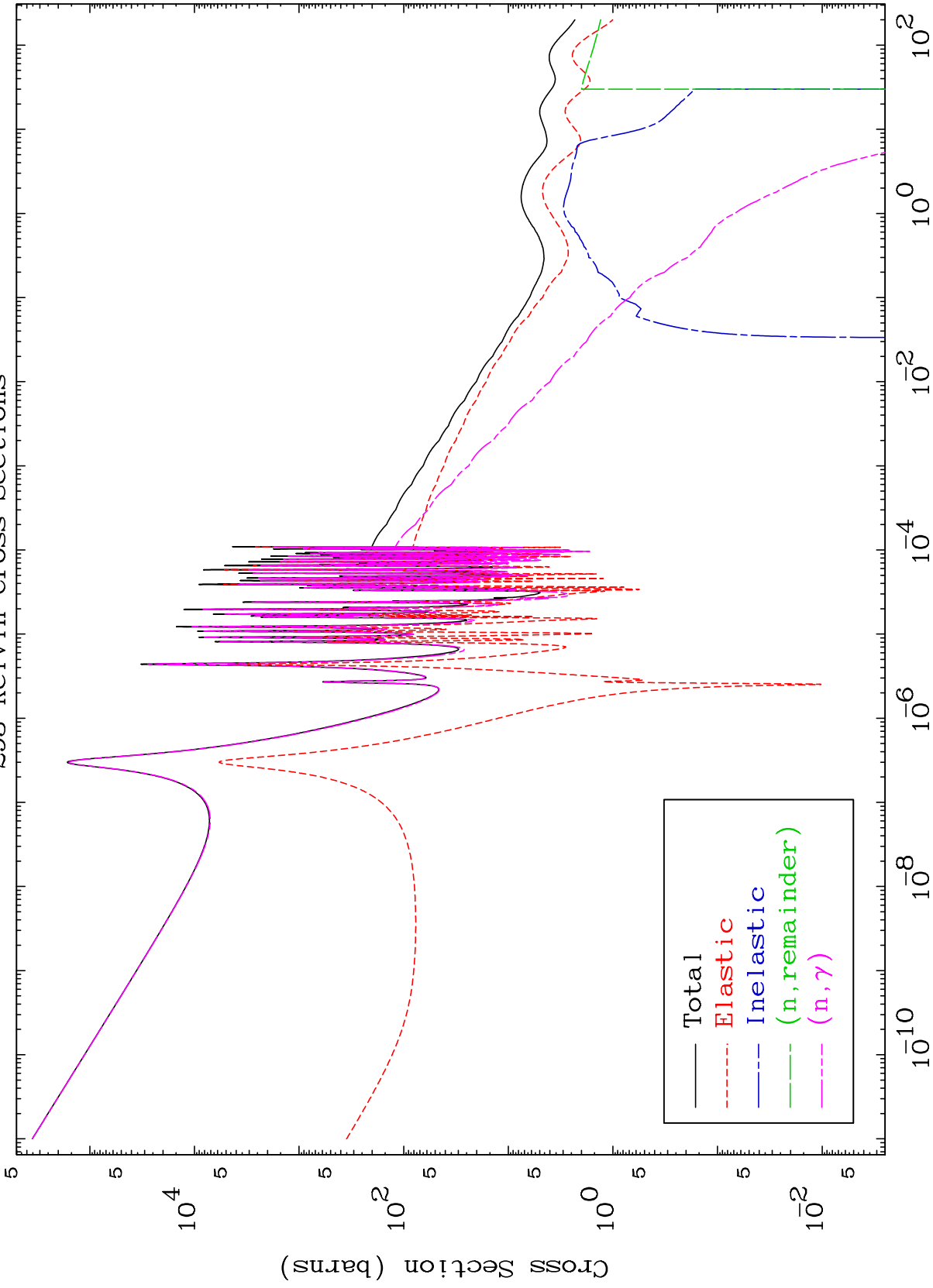
Press Mouse Button to Start

MAT 6146

Major

293 Kelvin Cross Sections

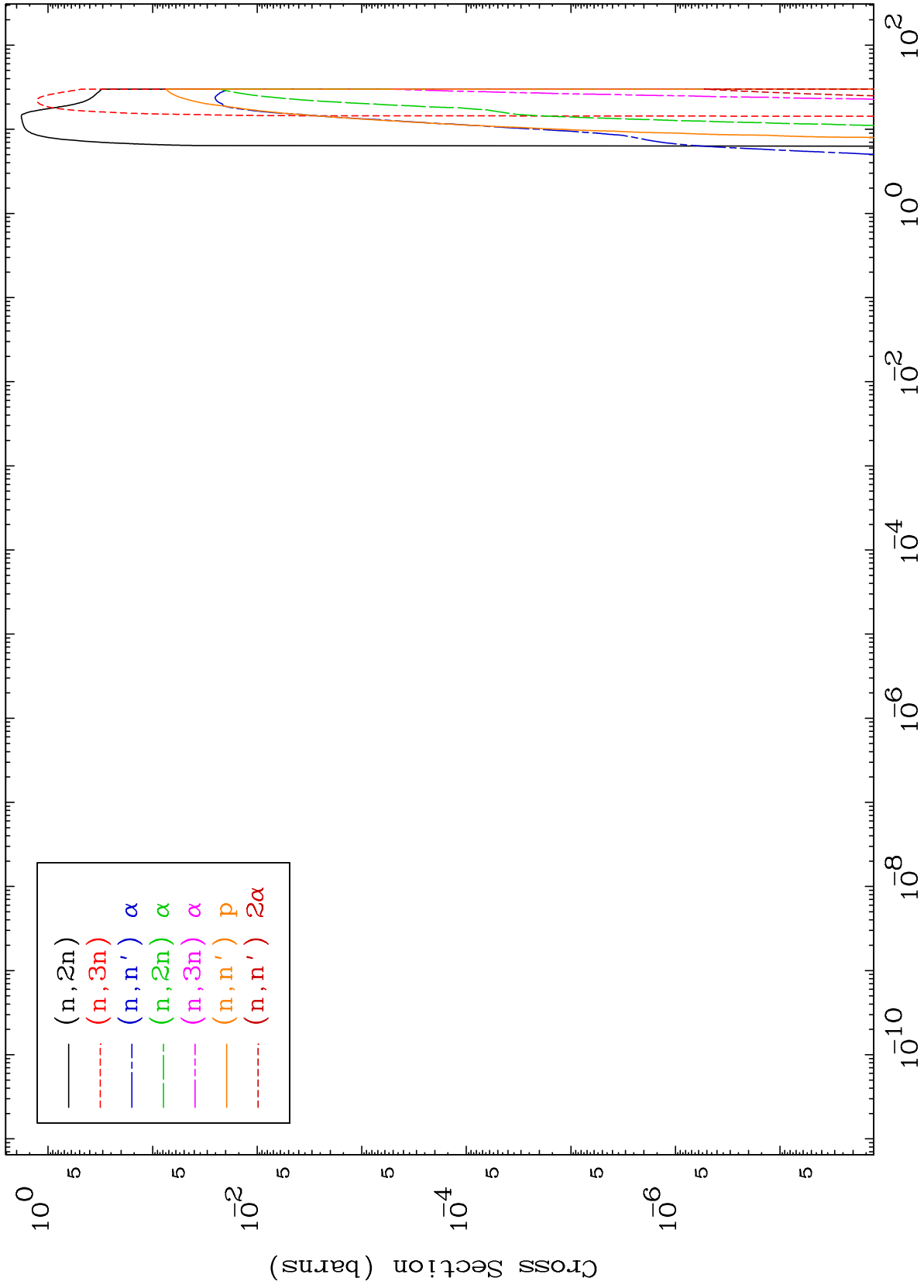
61-Pm-146



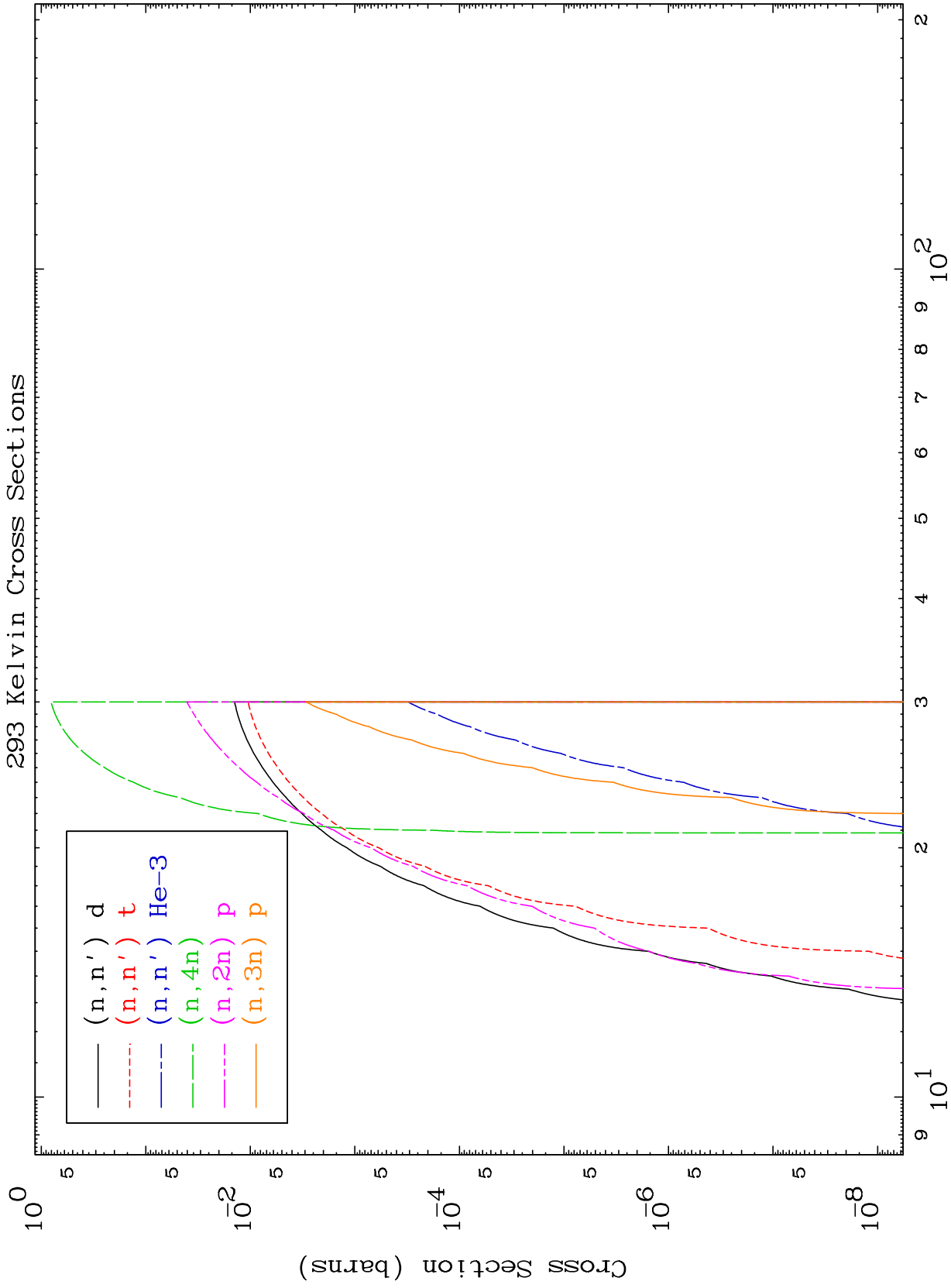
MAT 6146

Neutron Production
293 Kelvin Cross Sections

61-Pm-146



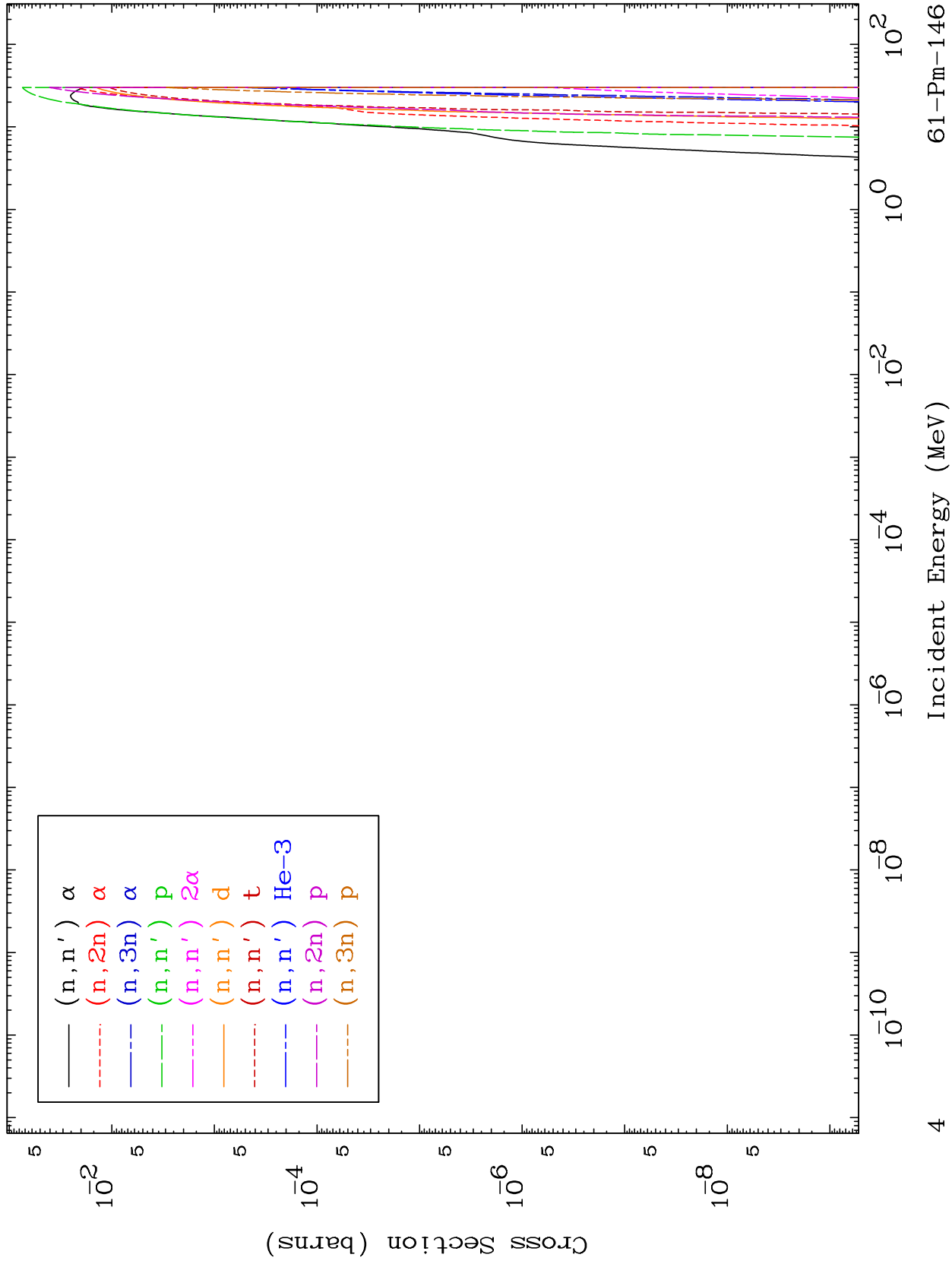
61-Pm-146



MAT 6146

Charged Particle
293 Kelvin Cross Sections

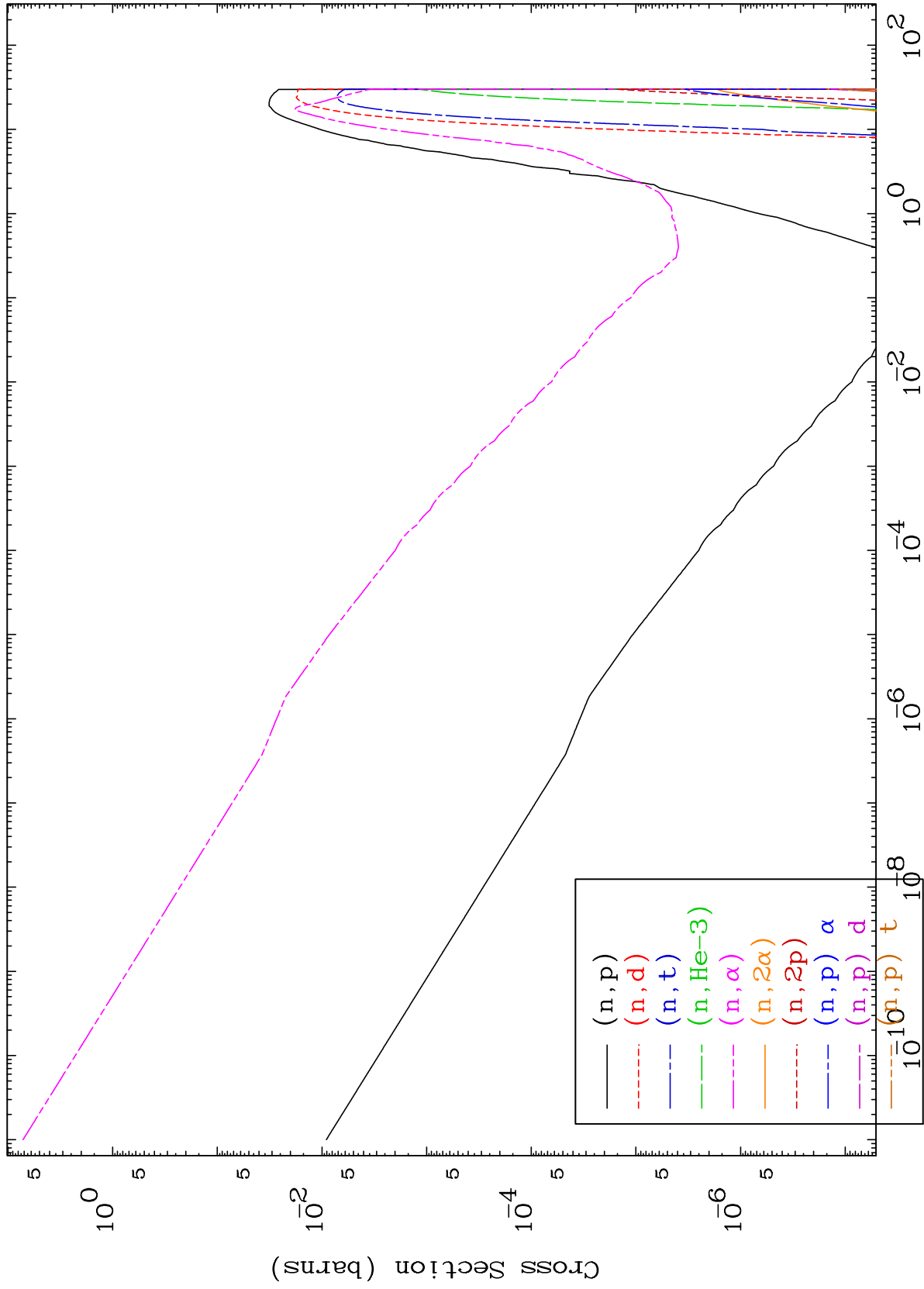
61-Pm-146



MAT 6146

293 Kelvin Cross Sections

61-Pm-146

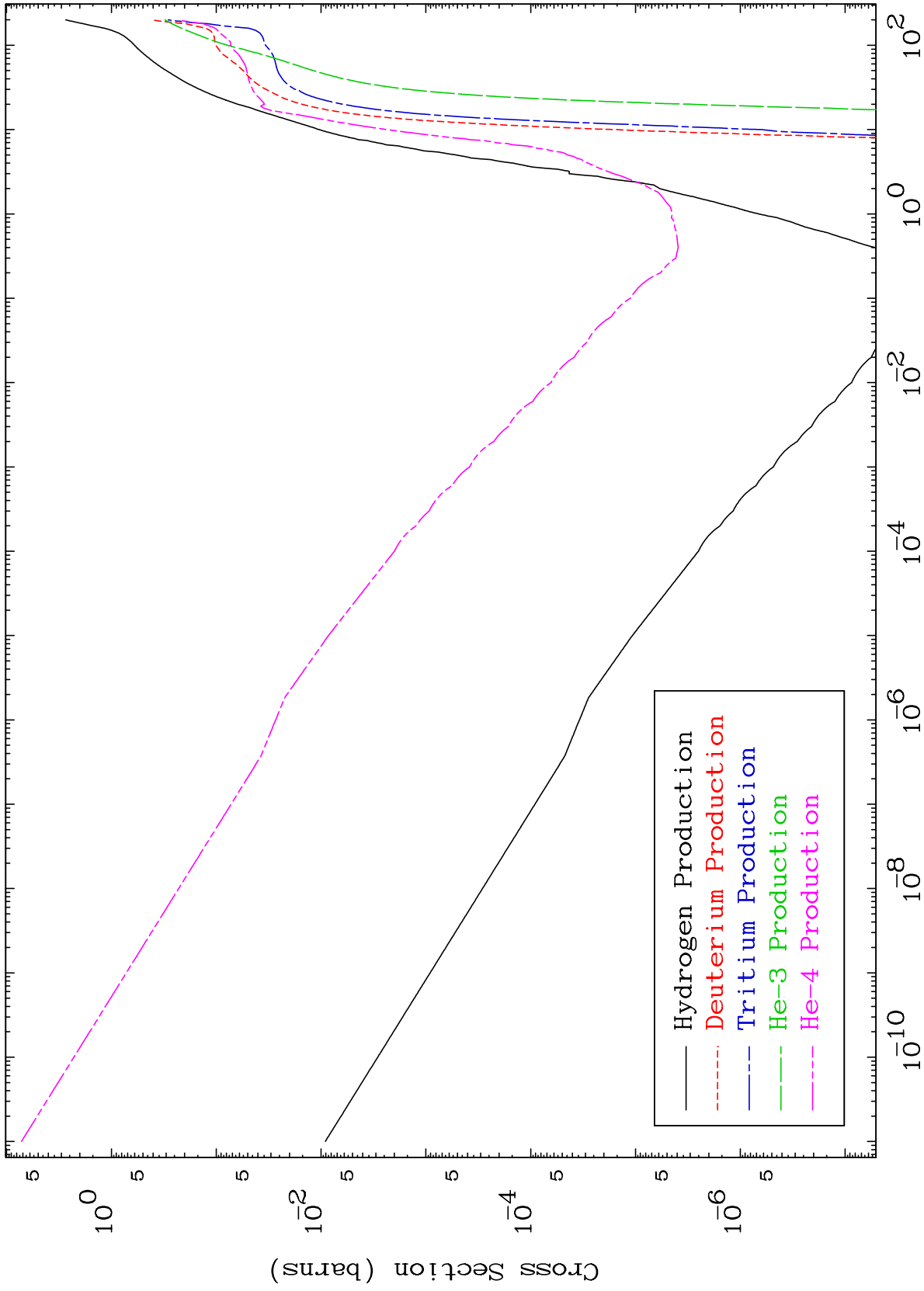


5

MAT 6146

Particle Production
293 Kelvin Cross Sections

61-Pm-146



6

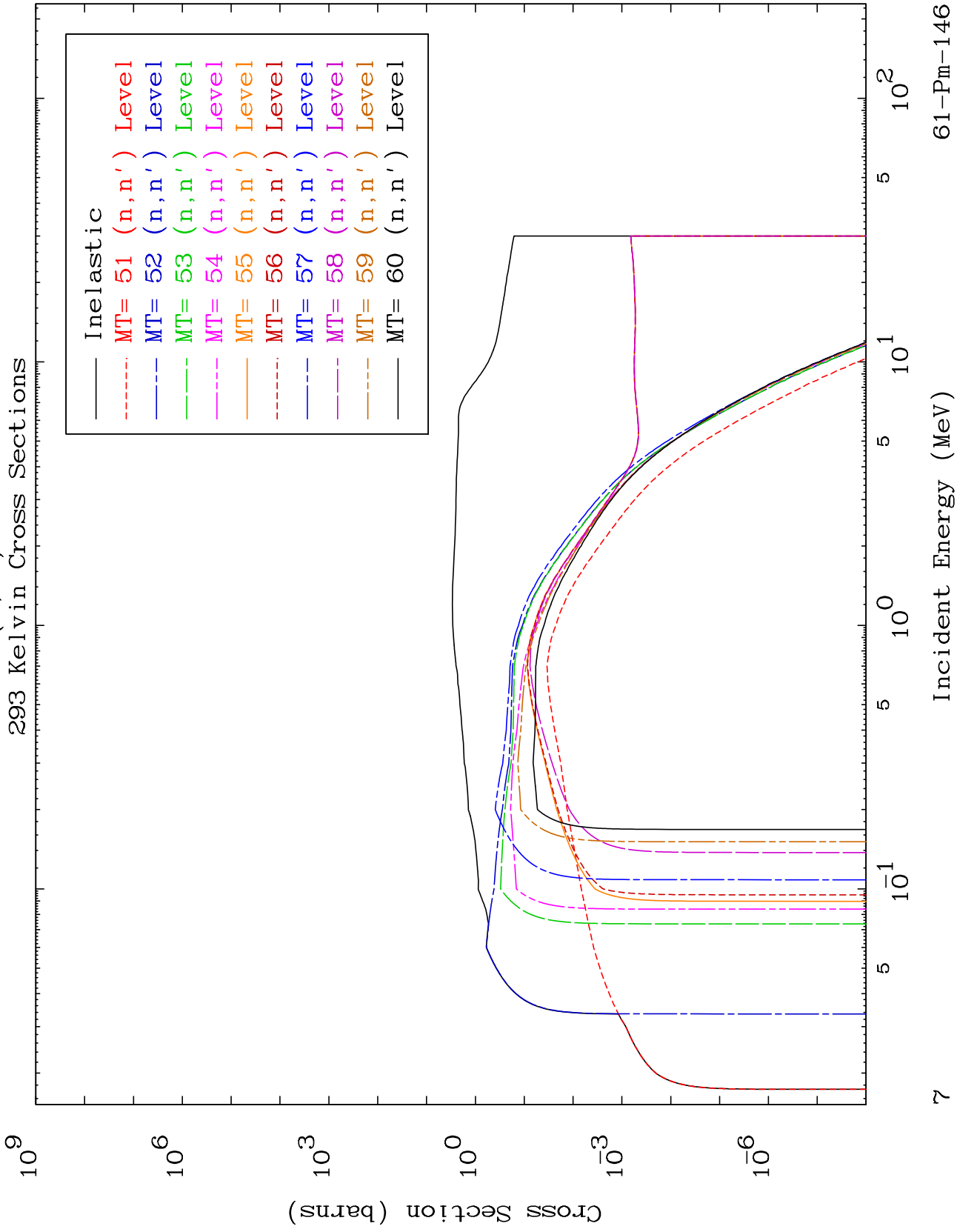
Incident Energy (MeV)

61-Pm-146

MAT 6146

(n,n') Level

61-Pm-146

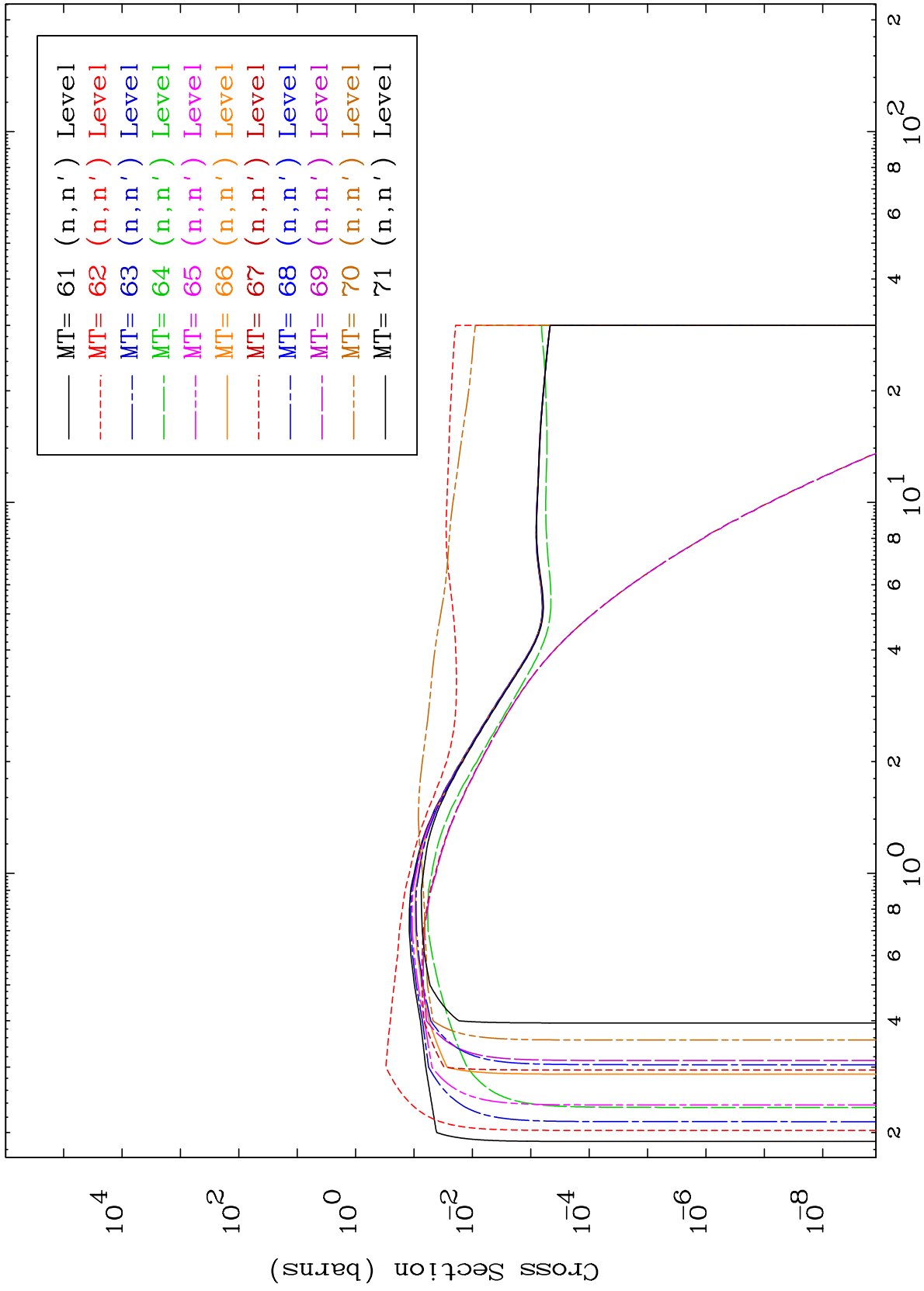


MAT 6146

(n,n') Level

61-Pm-146

293 Kelvin Cross Sections



8

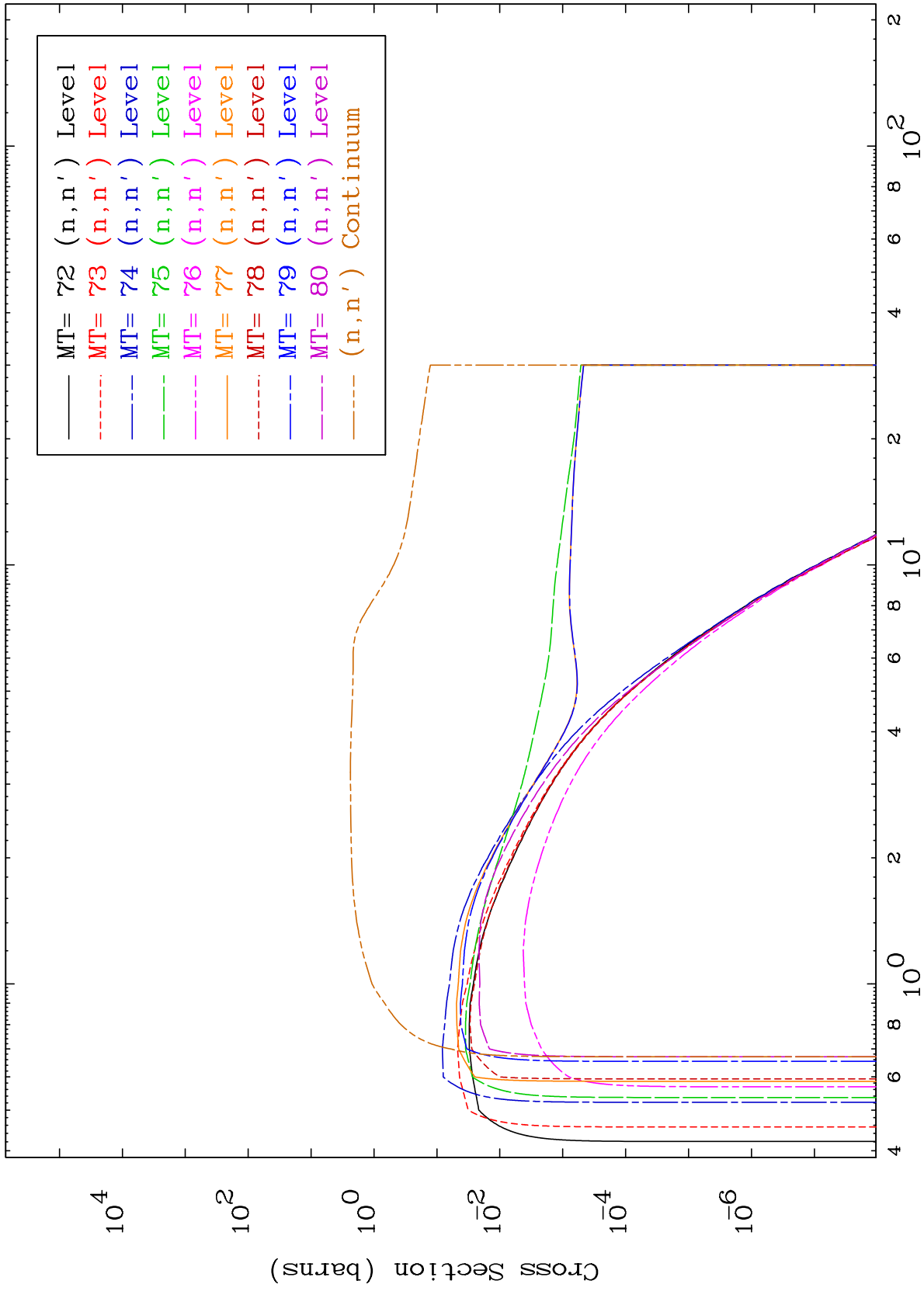
Incident Energy (MeV)

61-Pm-146

MAT 6146

(n,n') Level
293 Kelvin Cross Sections

61-Pm-146



9

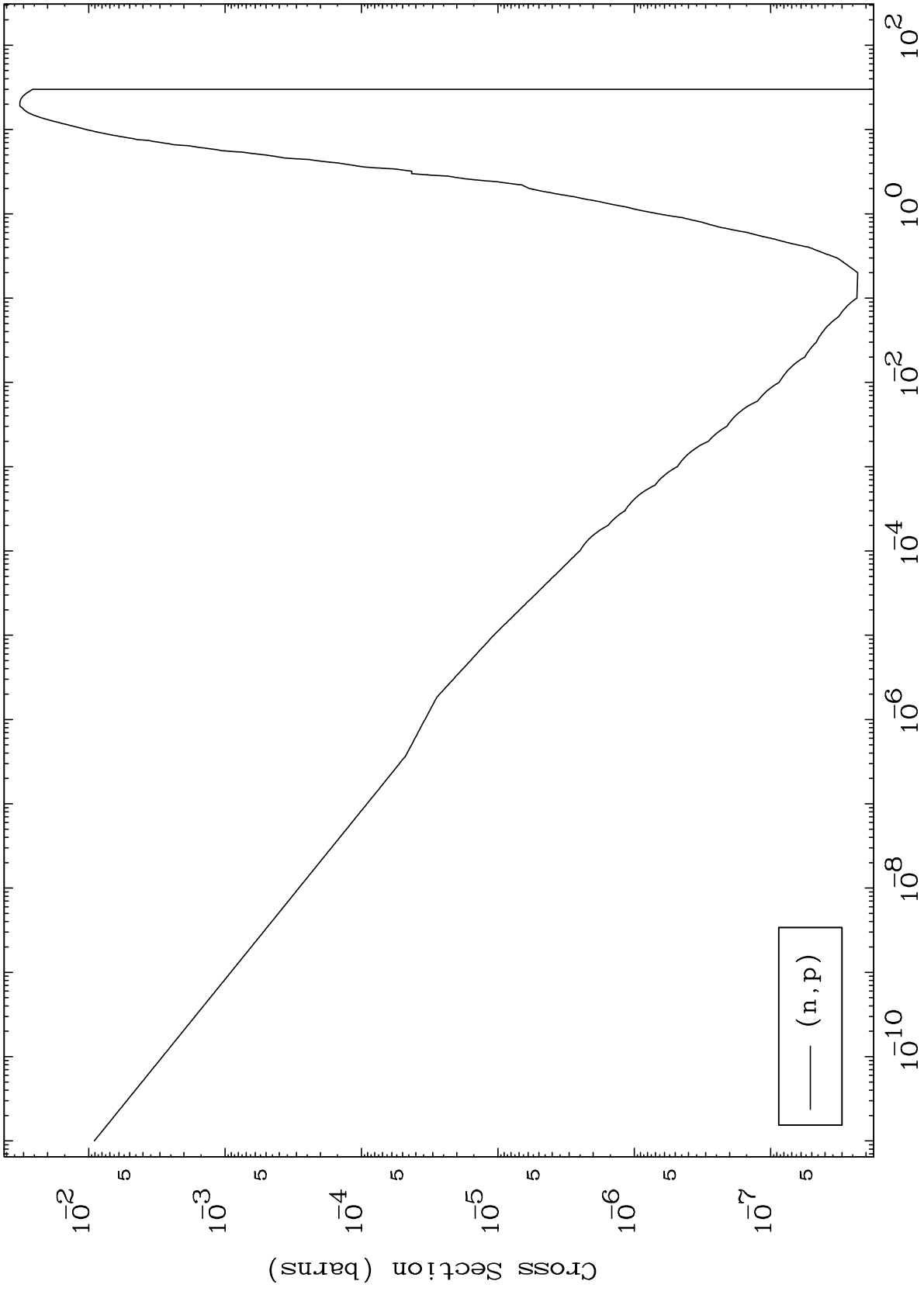
Incident Energy (MeV)

61-Pm-146

MAT 6146

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-146



10

Incident Energy (MeV)

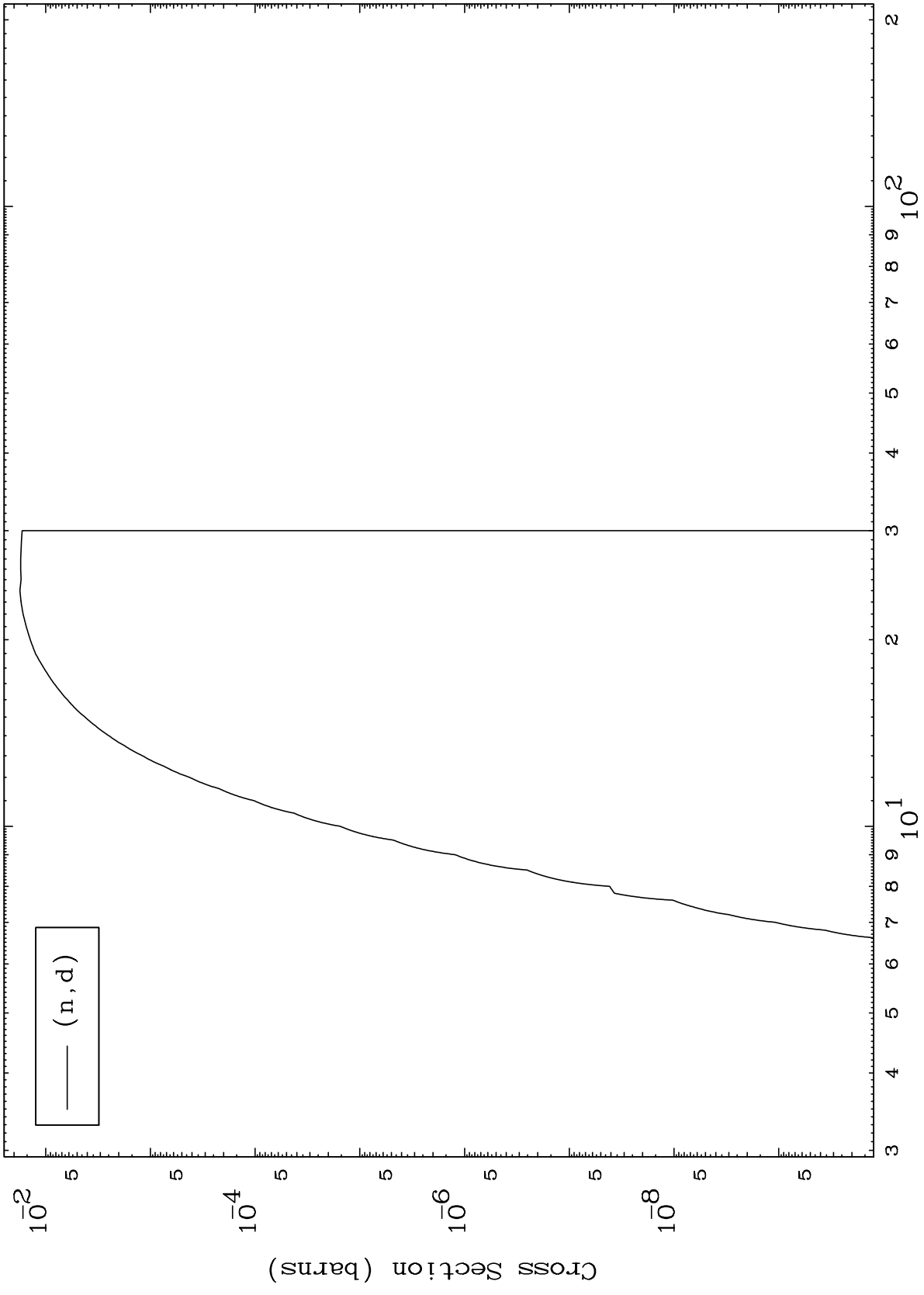
61-Pm-146

— (n,p)

MAT 6146

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-146



11

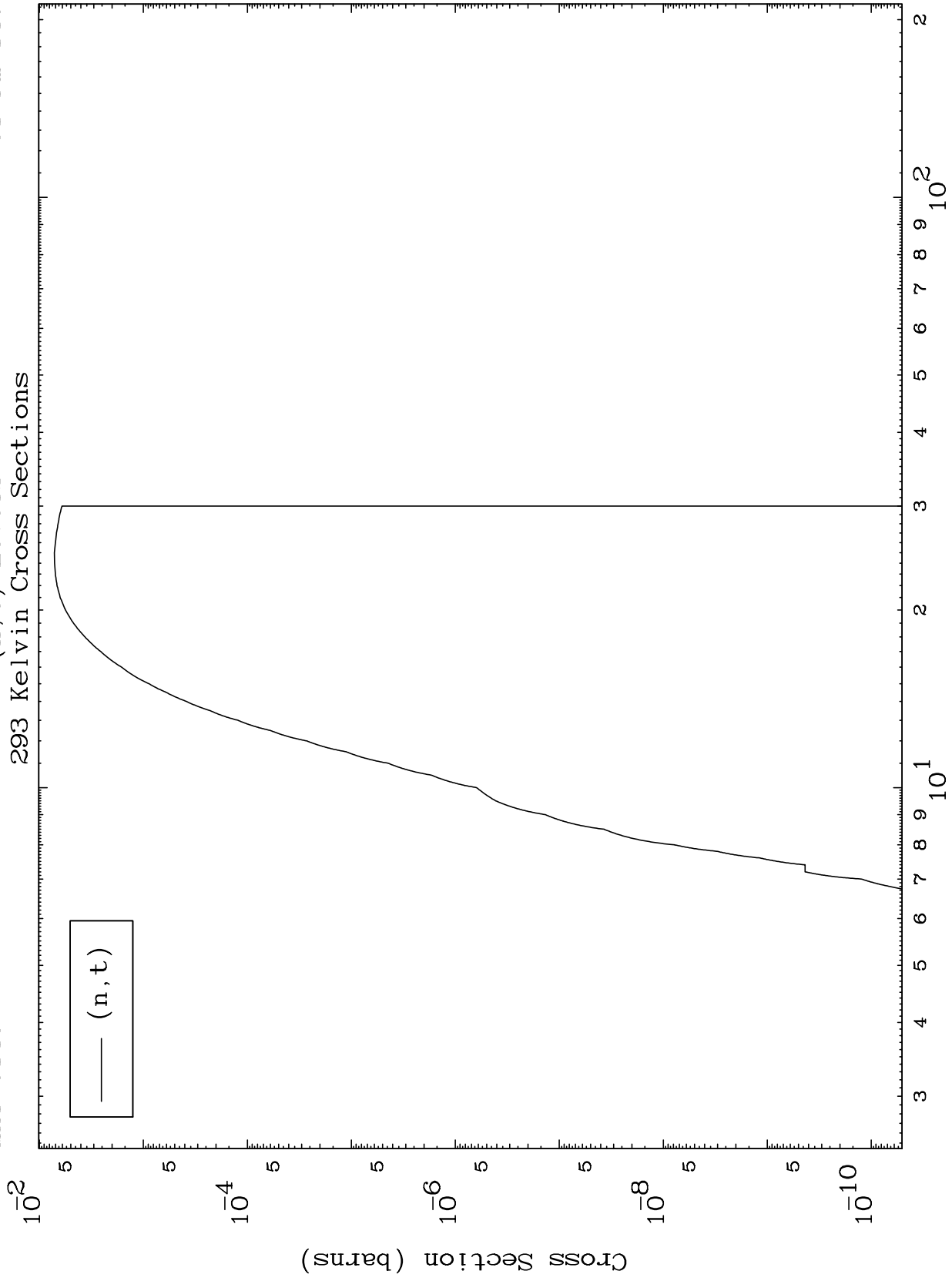
Incident Energy (MeV)

61-Pm-146

MAT 6146

61-Pm-146

(n,t) Levels
293 Kelvin Cross Sections



12

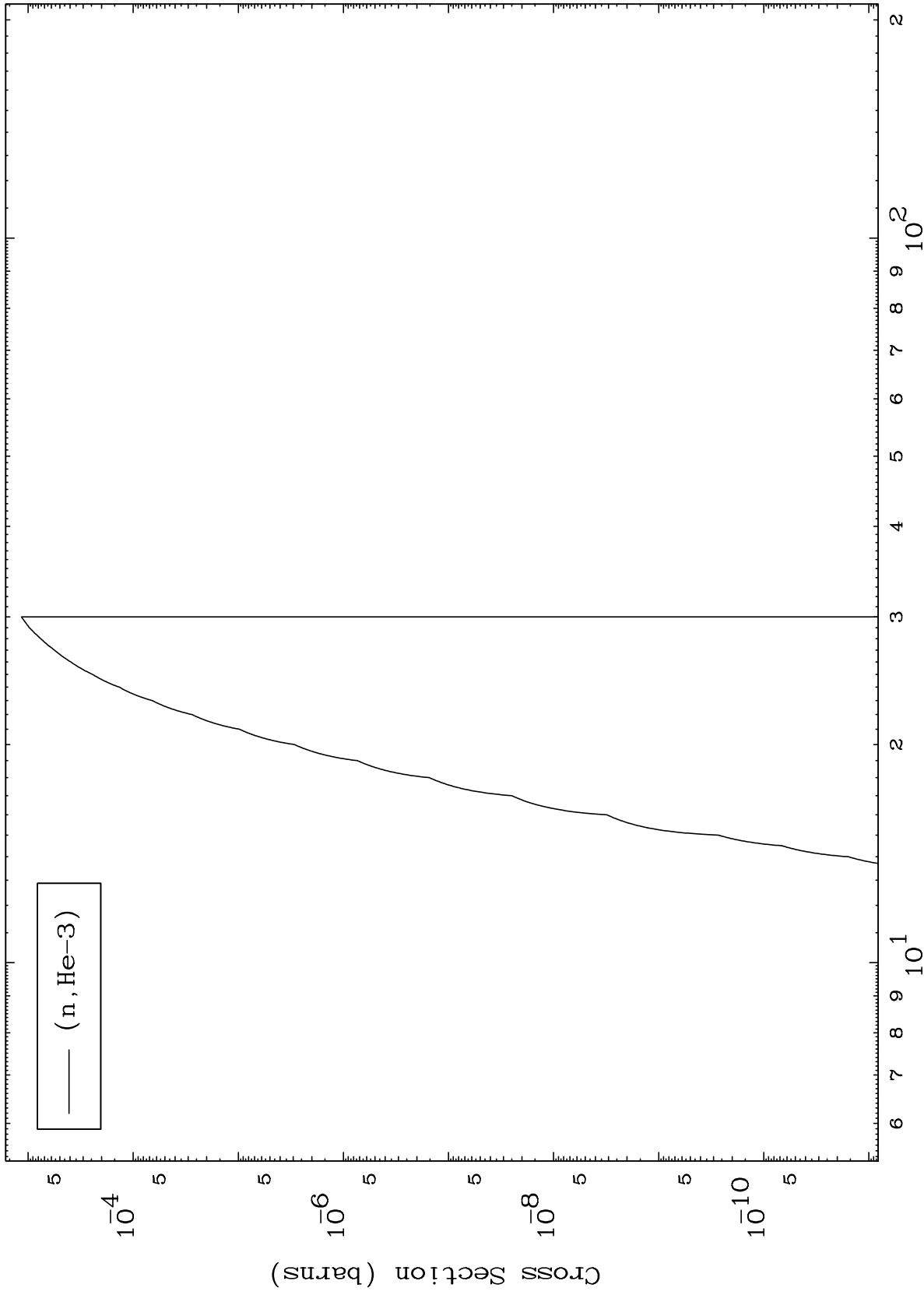
Incident Energy (MeV)

61-Pm-146

MAT 6146

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-146



13

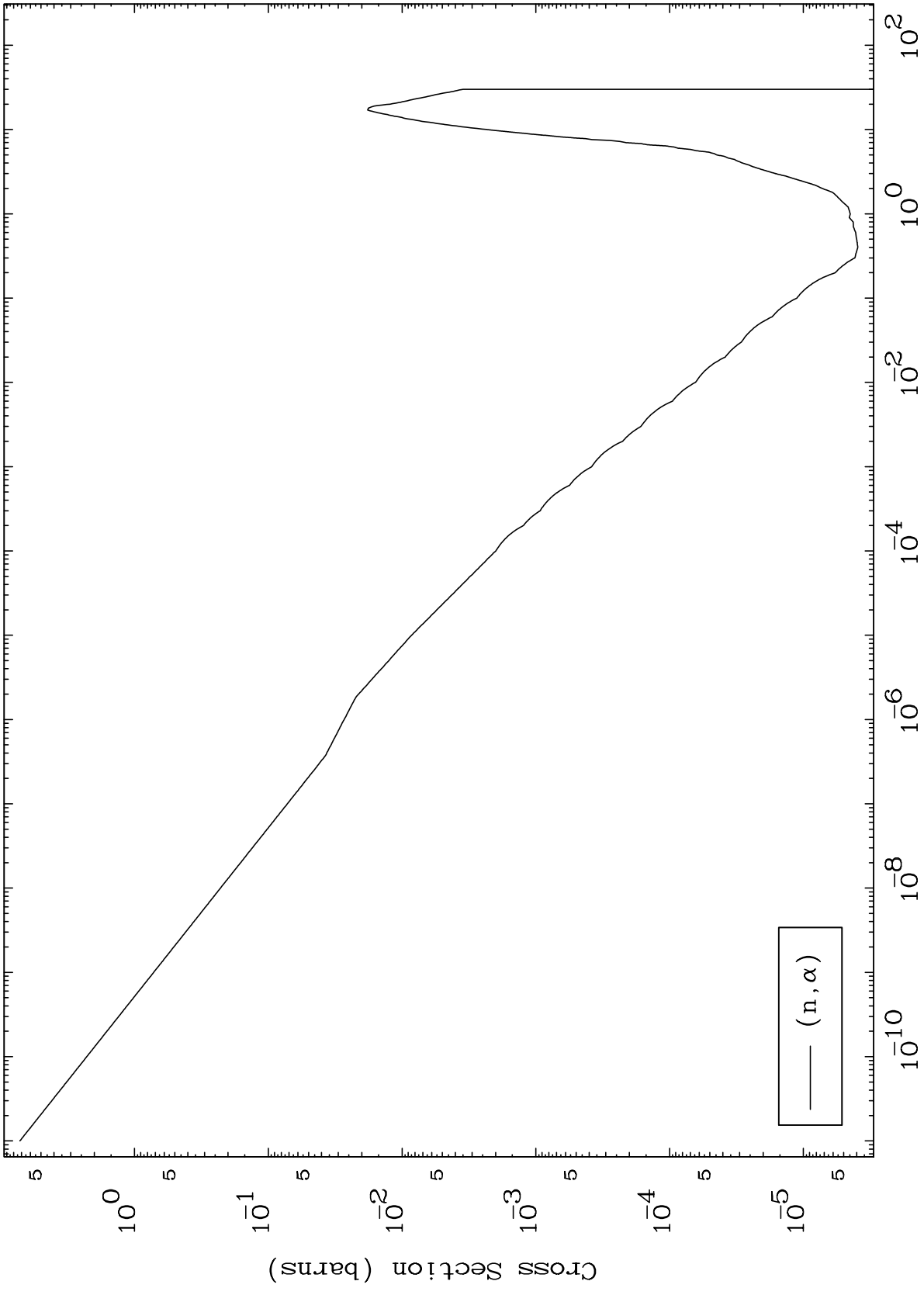
Incident Energy (MeV)

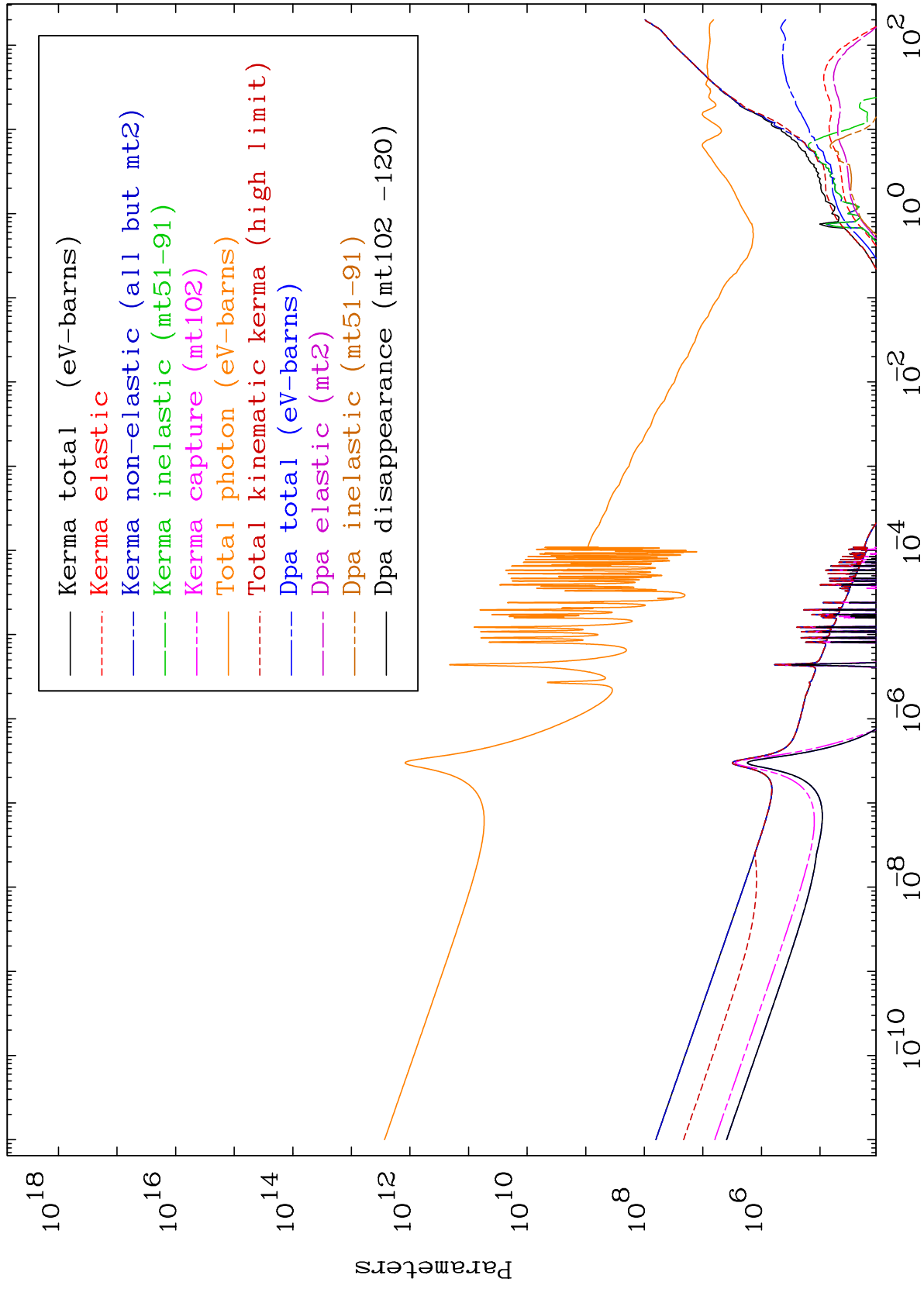
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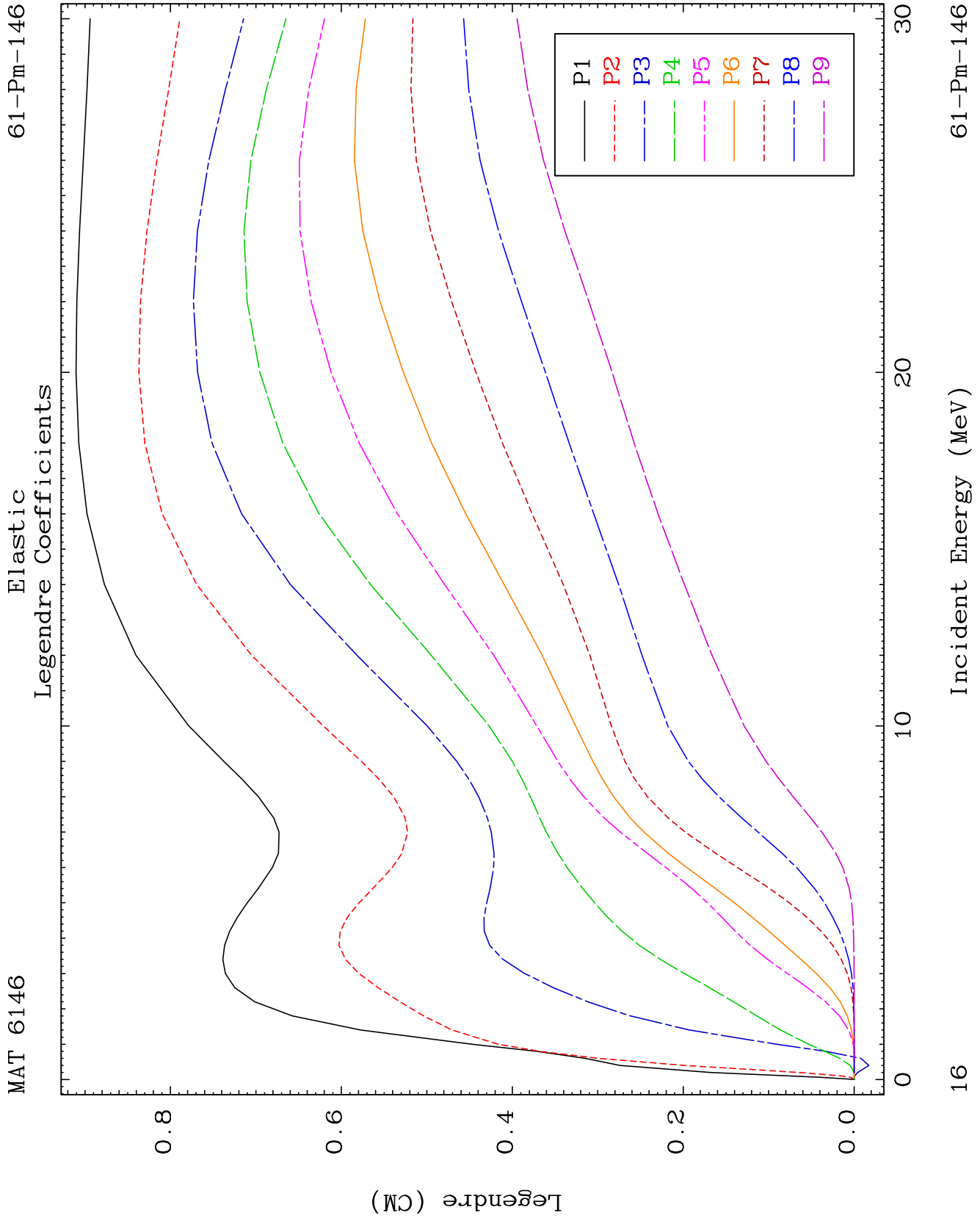
MAT 6146

(n,α) Levels
293 Kelvin Cross Sections

61-Pm-146



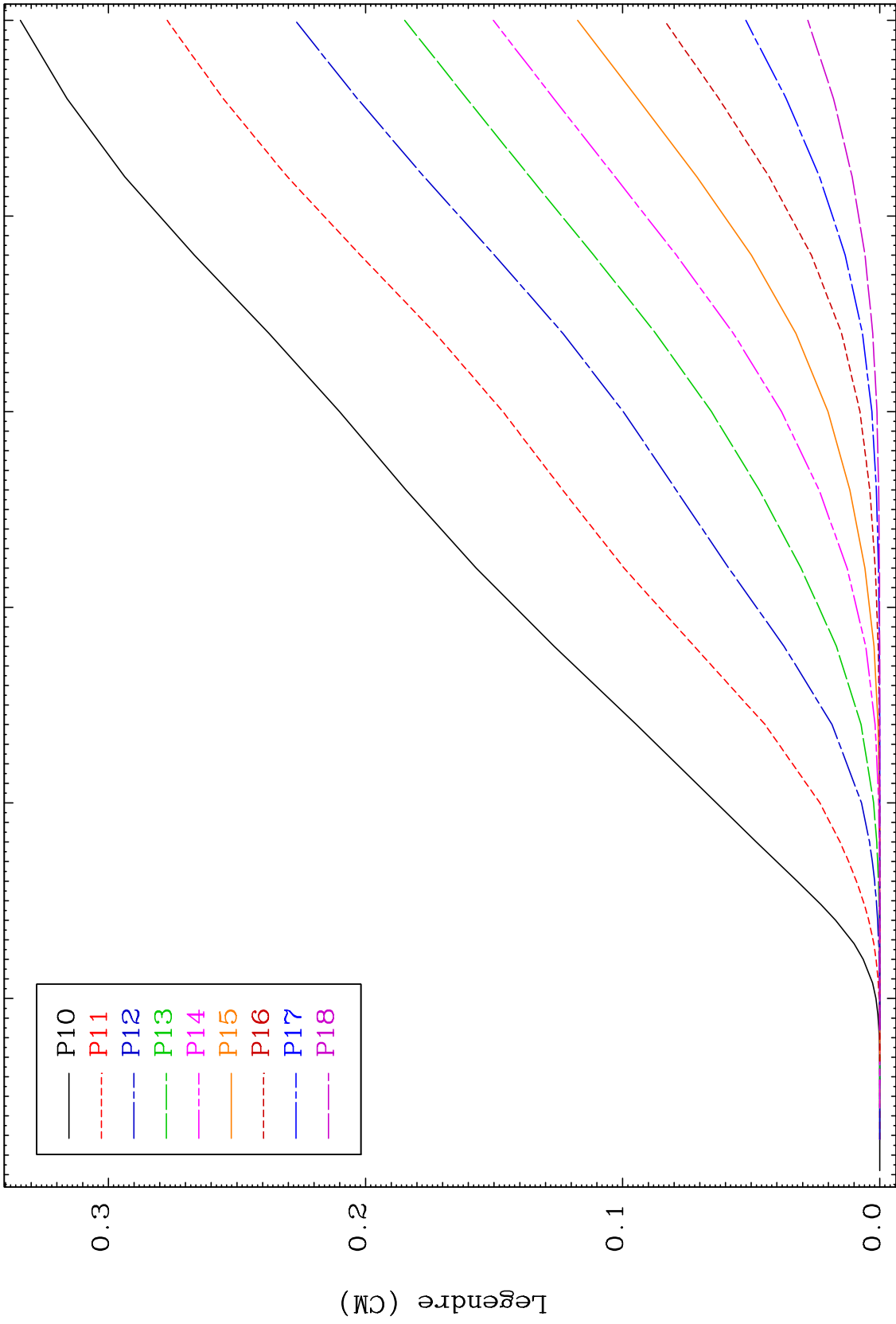




MAT 6146

Elastic Legendre Coefficients

61-Pm-146



17

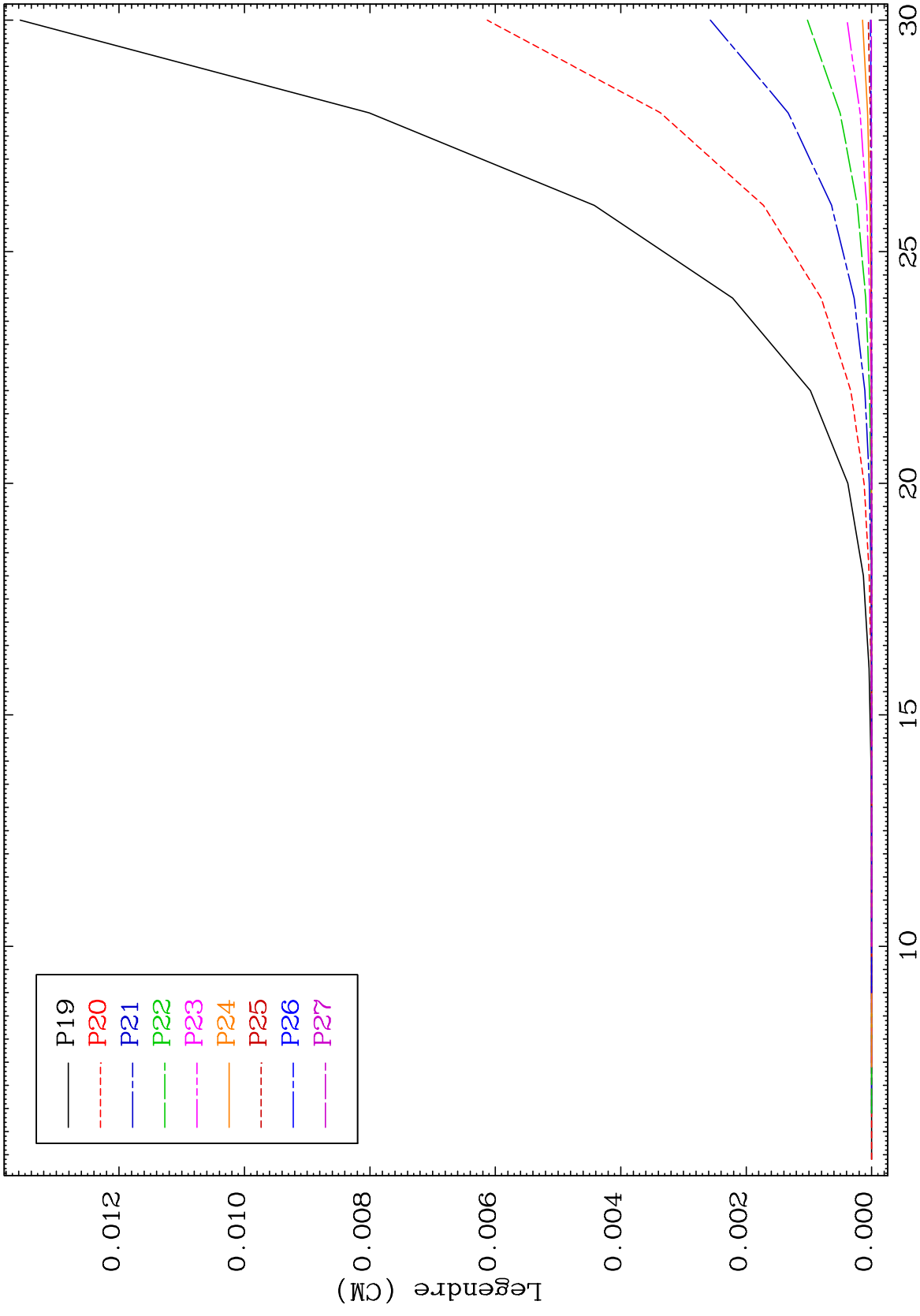
Incident Energy (MeV)

61-Pm-146

MAT 6146

Elastic Legendre Coefficients

61-Pm-146



18

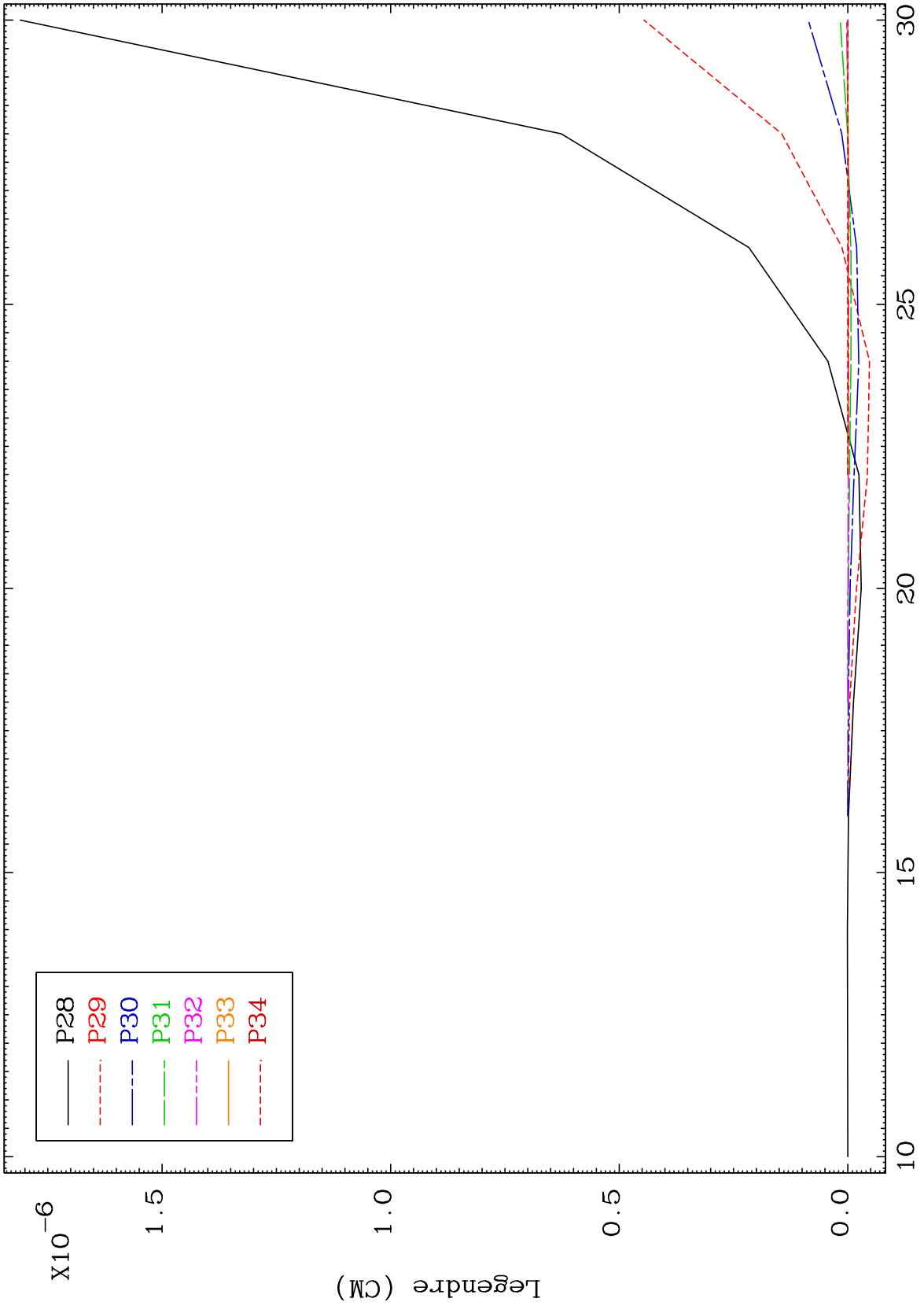
Incident Energy (MeV)

61-Pm-146

MAT 6146

Elastic Legendre Coefficients

61-Pm-146



19

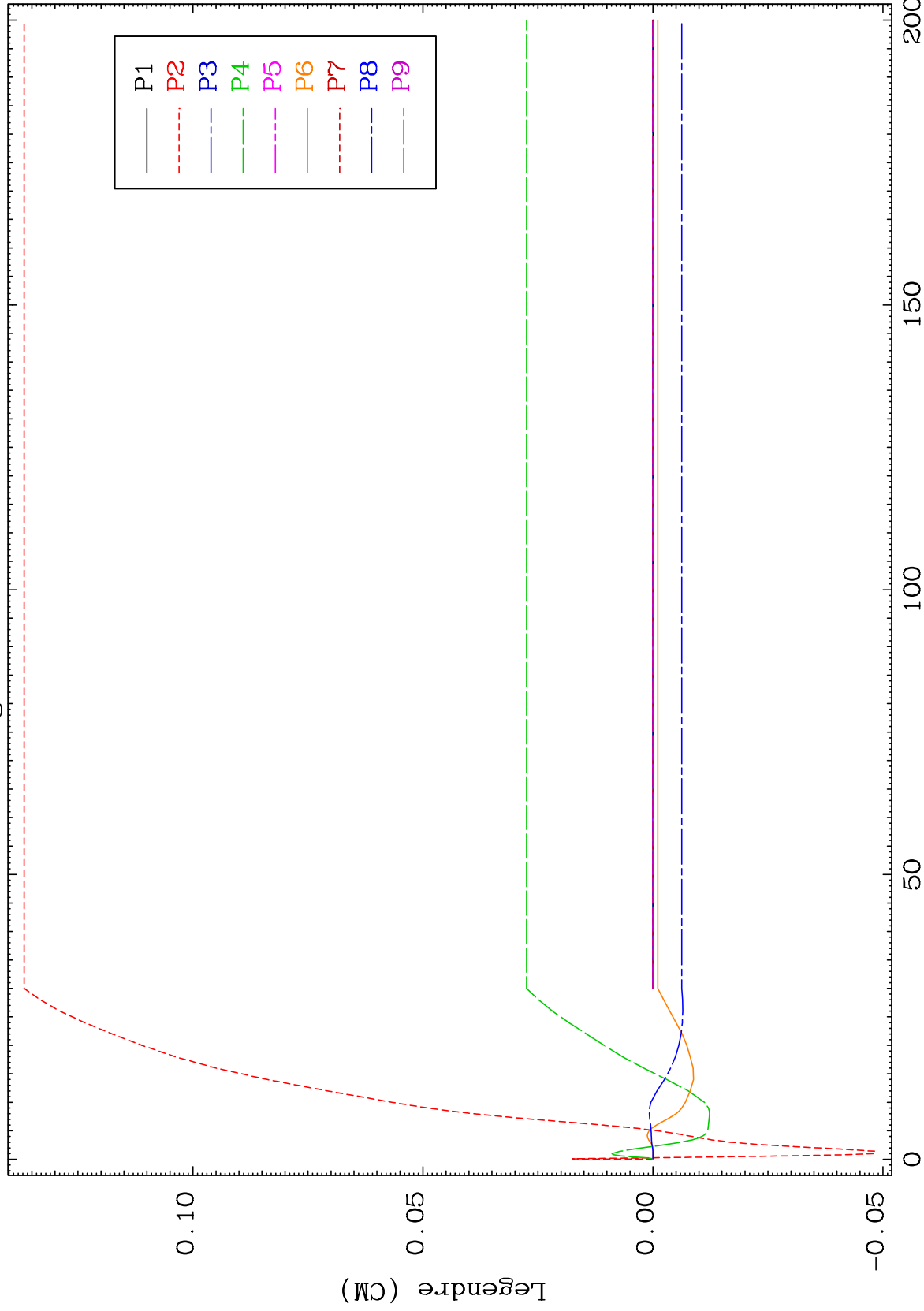
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



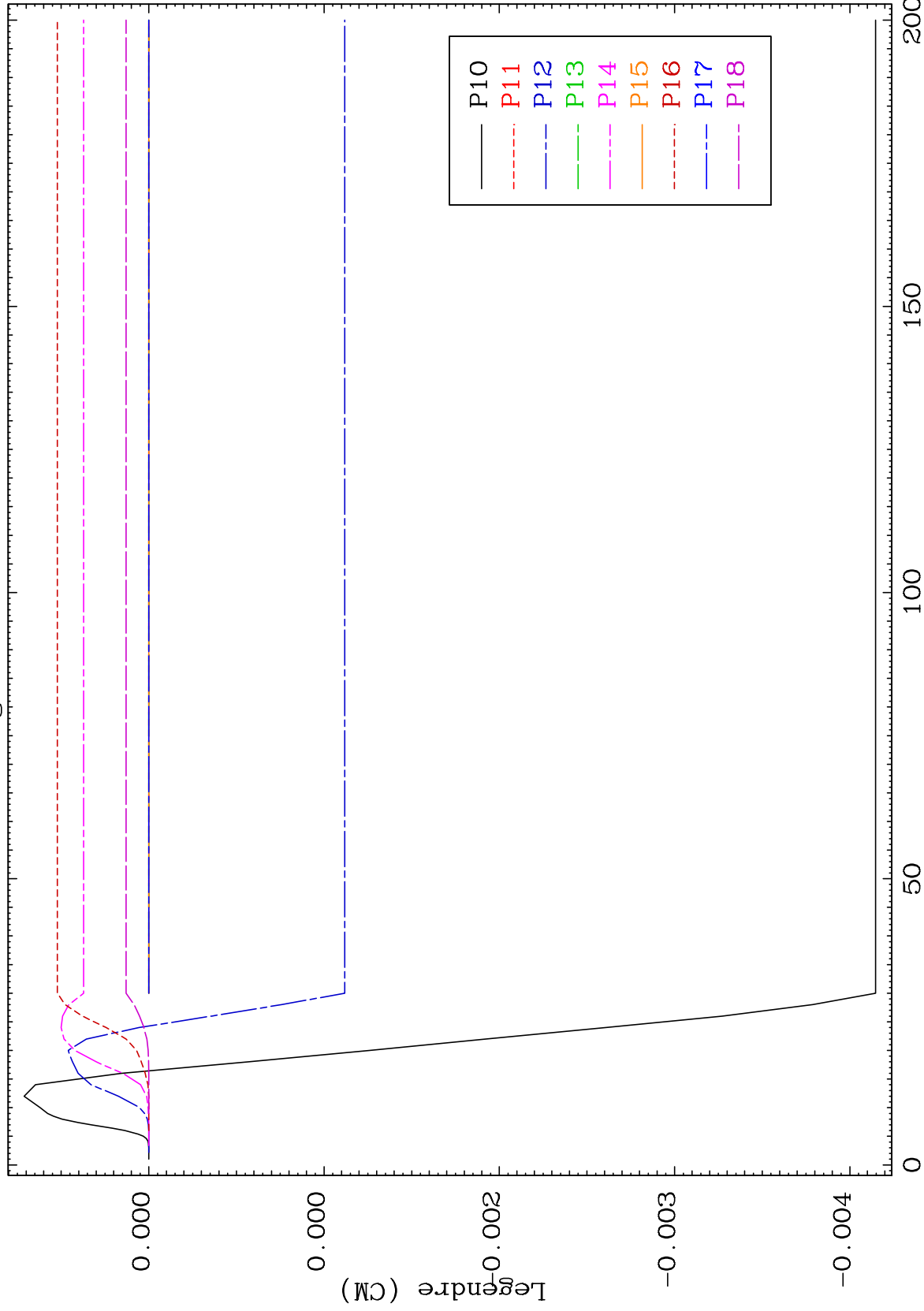
61-Pm-146

Incident Energy (MeV)

MAT 6146

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

61-Pm-146



21

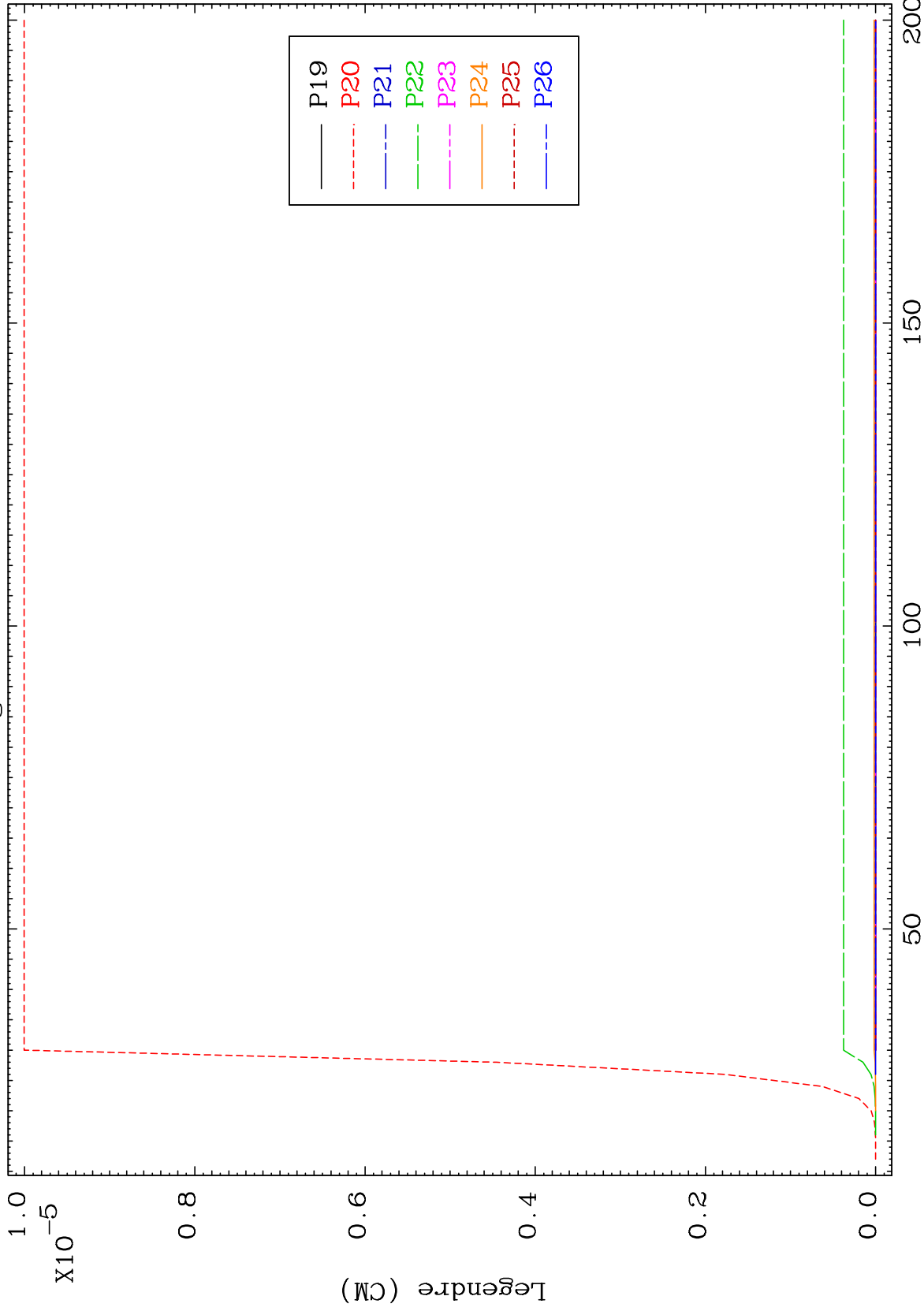
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146

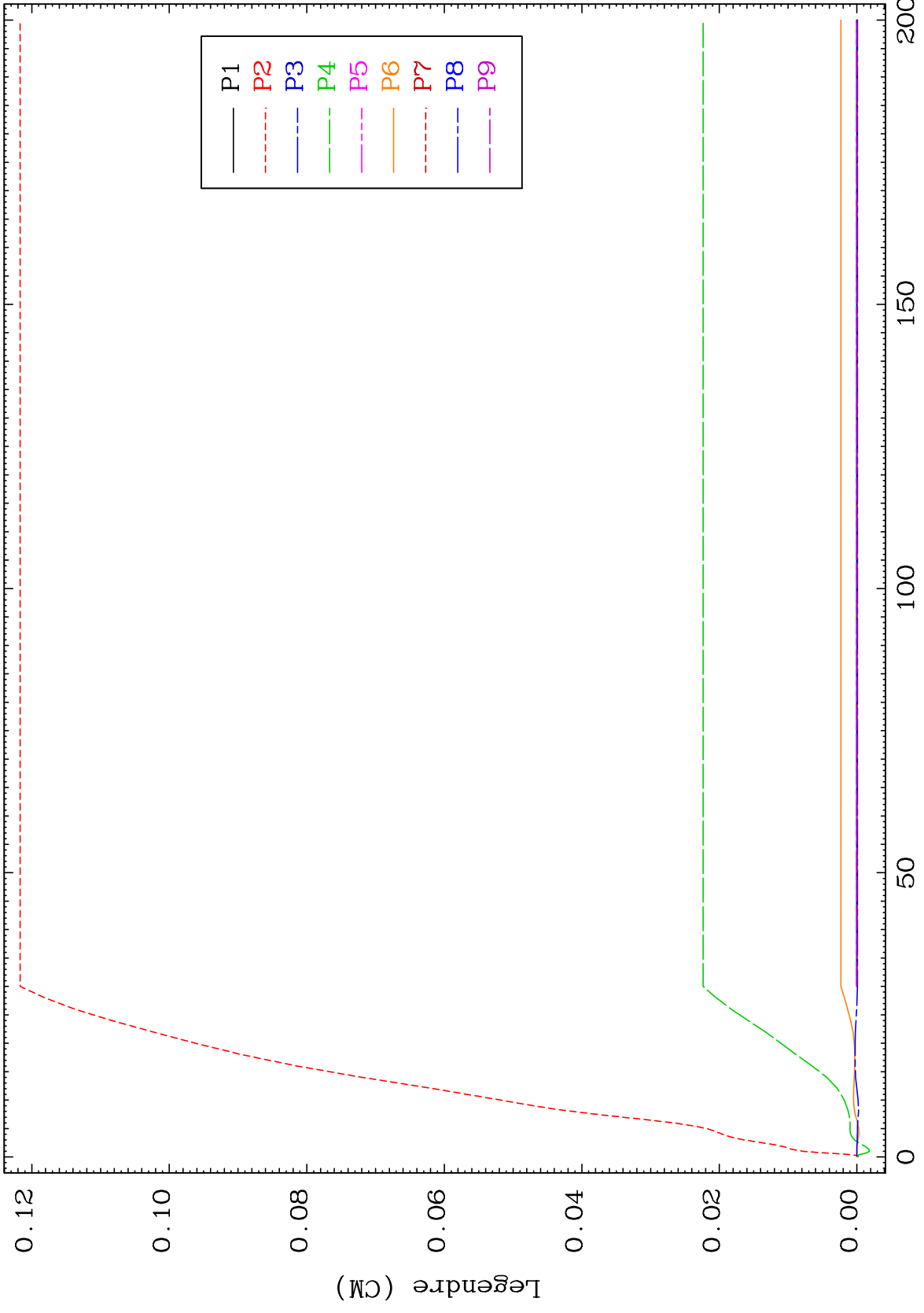


22

Incident Energy (MeV)

61-Pm-146

MAT 6146 MT= 52 (n,n') Level Legendre Coefficients 61-Pm-146

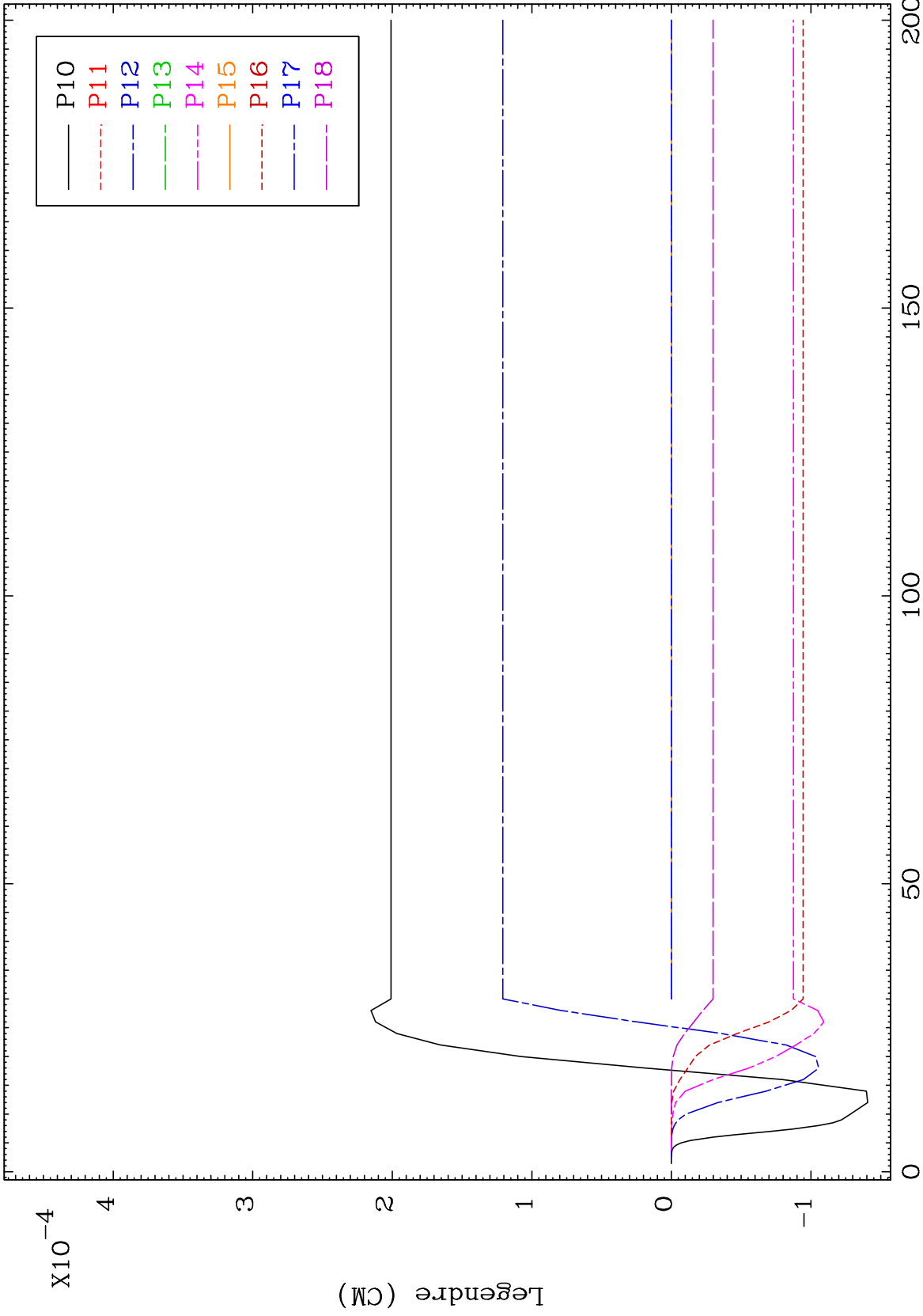


23 61-Pm-146

MAT 6146

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

61-Pm-146



24

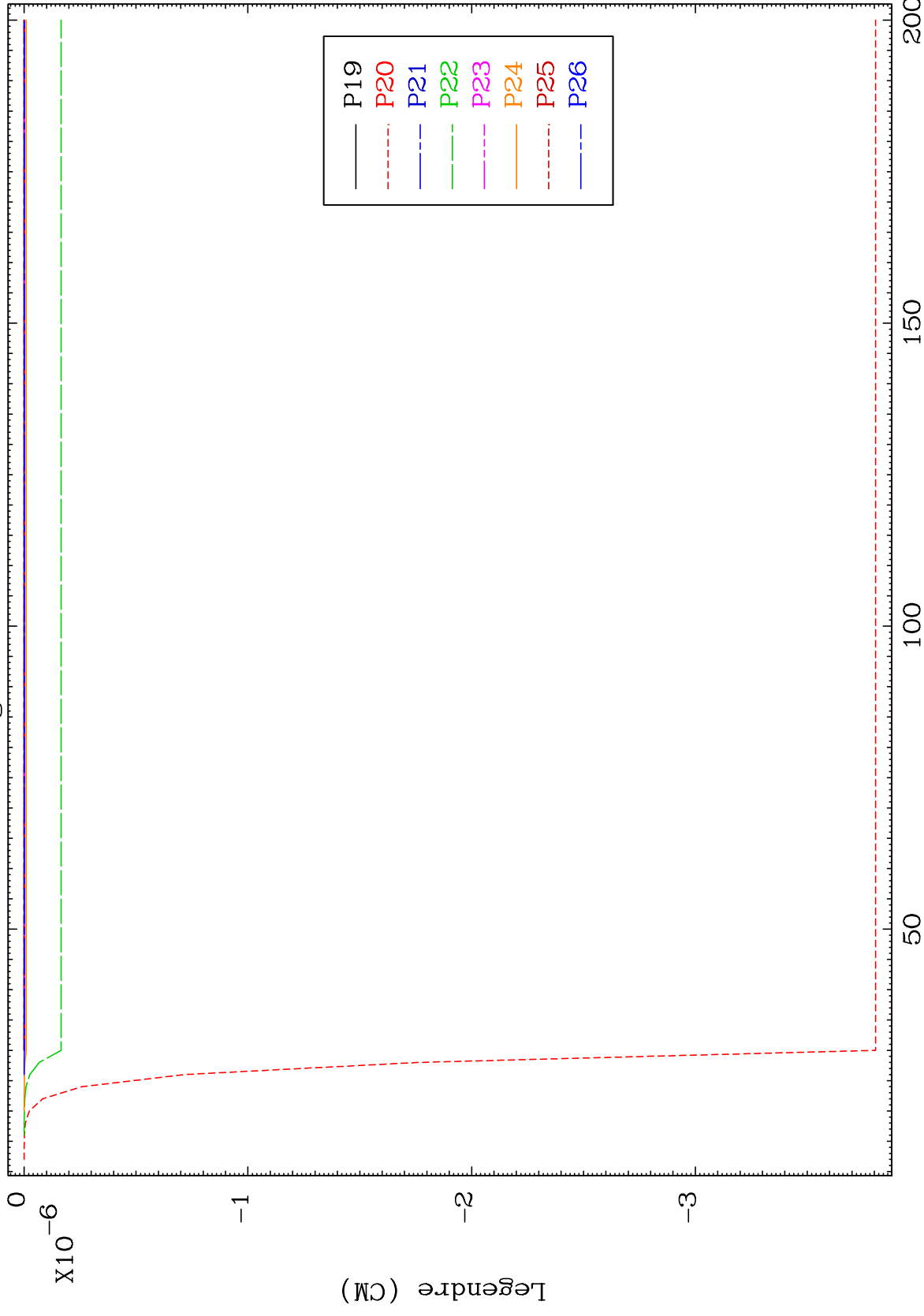
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146

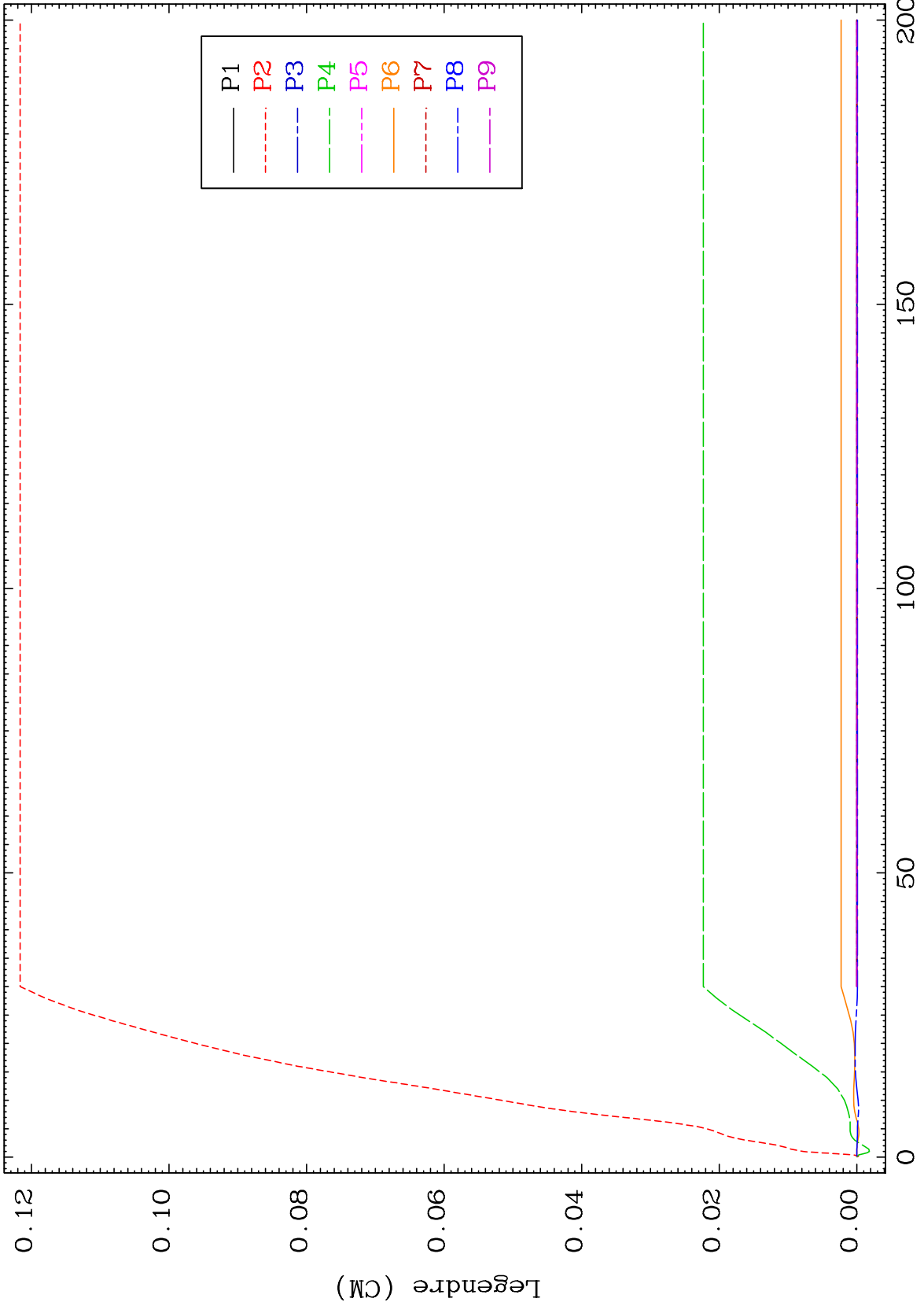


61-Pm-146

Incident Energy (MeV)

25

MAT 6146 MT= 53 (n,n') Level Legendre Coefficients 61-Pm-146

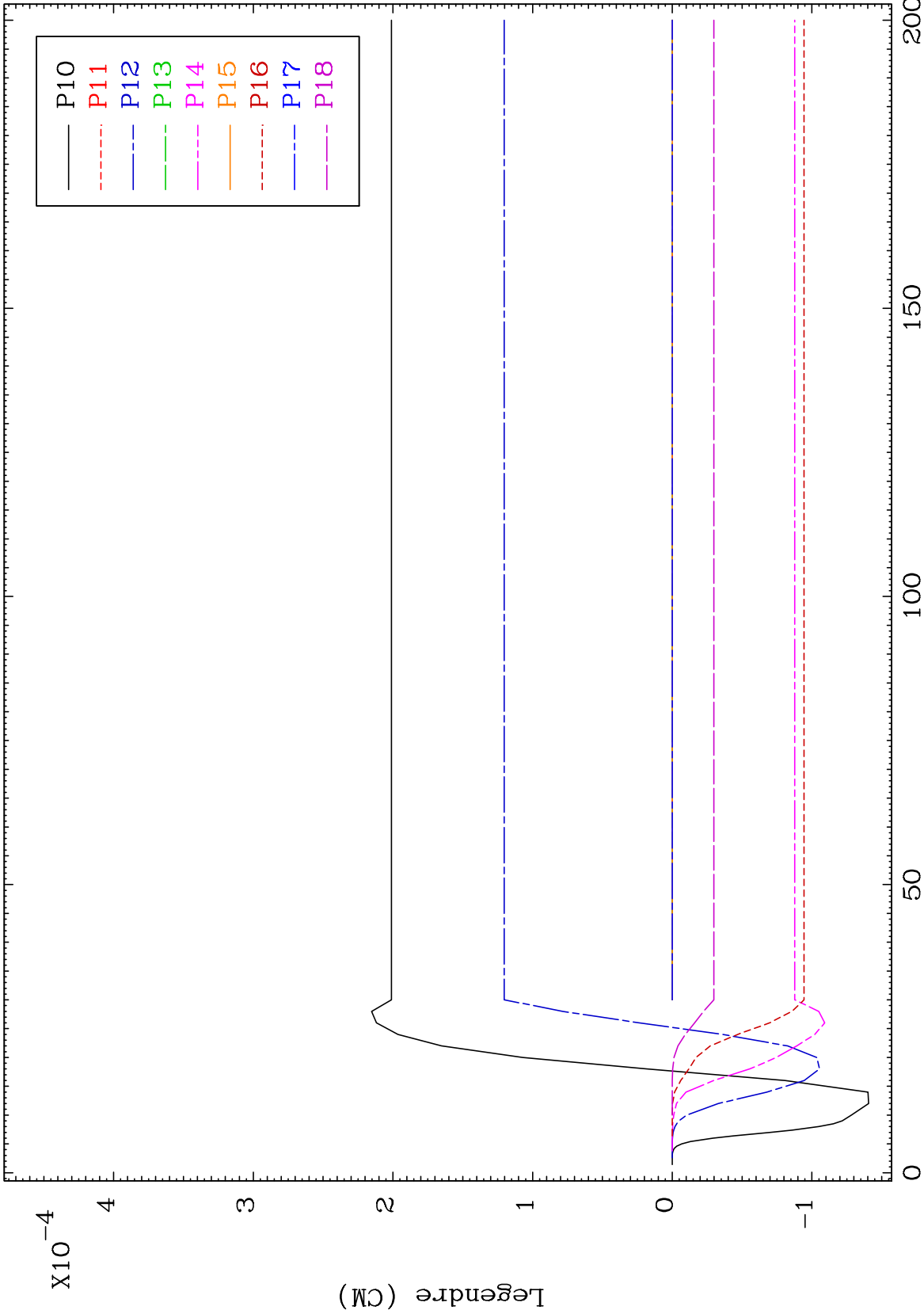


26 Incident Energy (MeV) 61-Pm-146

MAT 6146

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

61-Pm-146



27

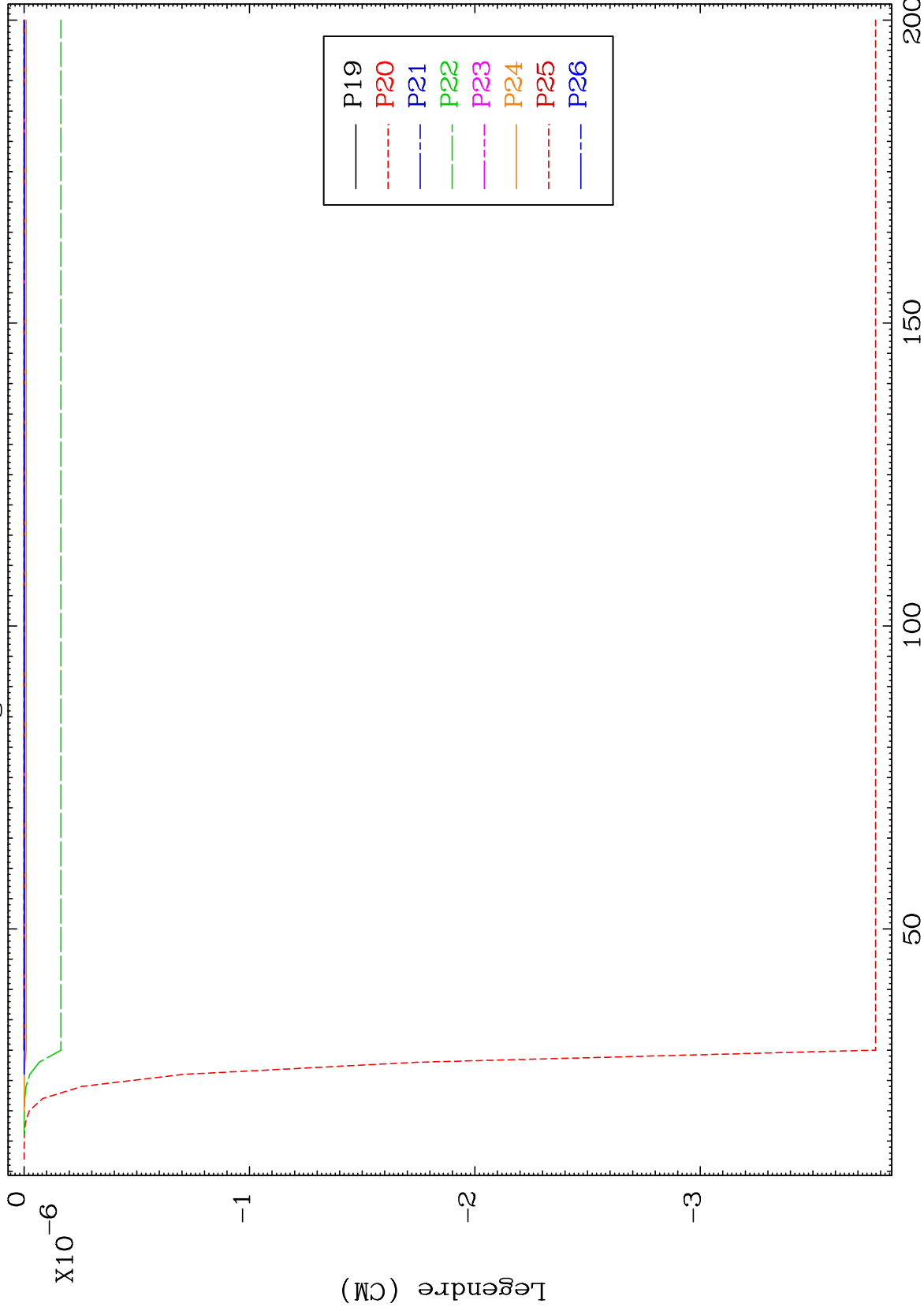
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



28

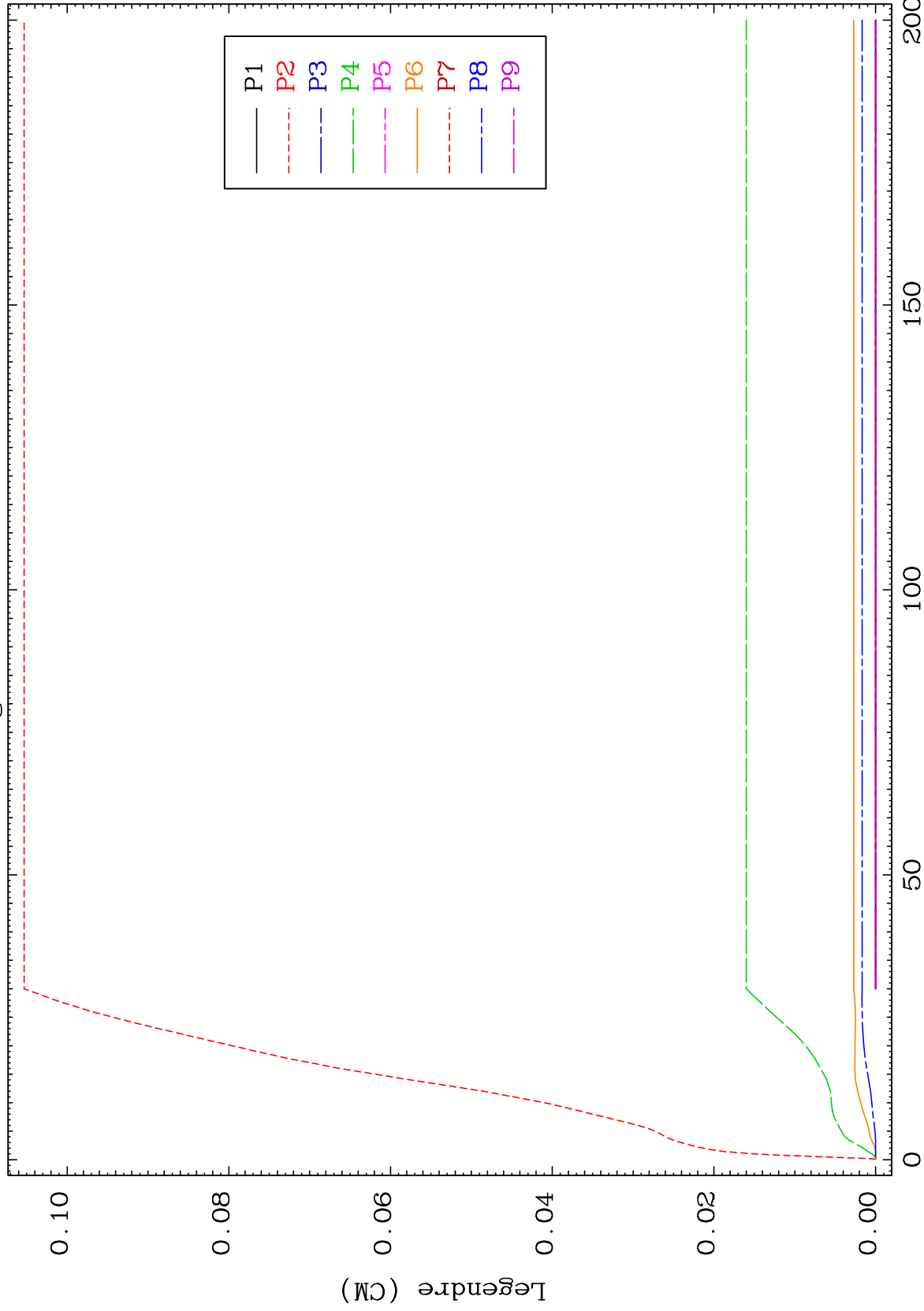
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



29

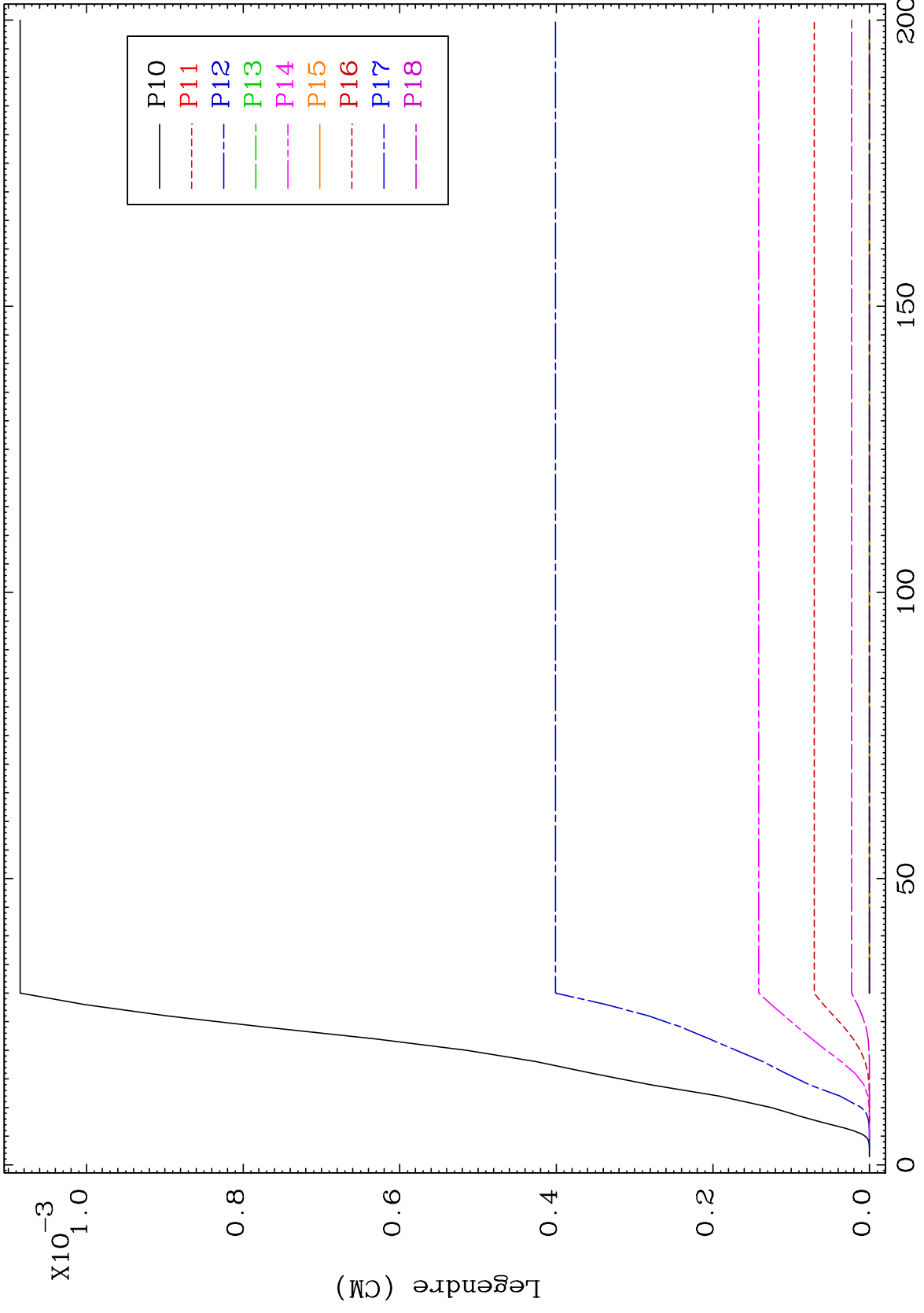
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



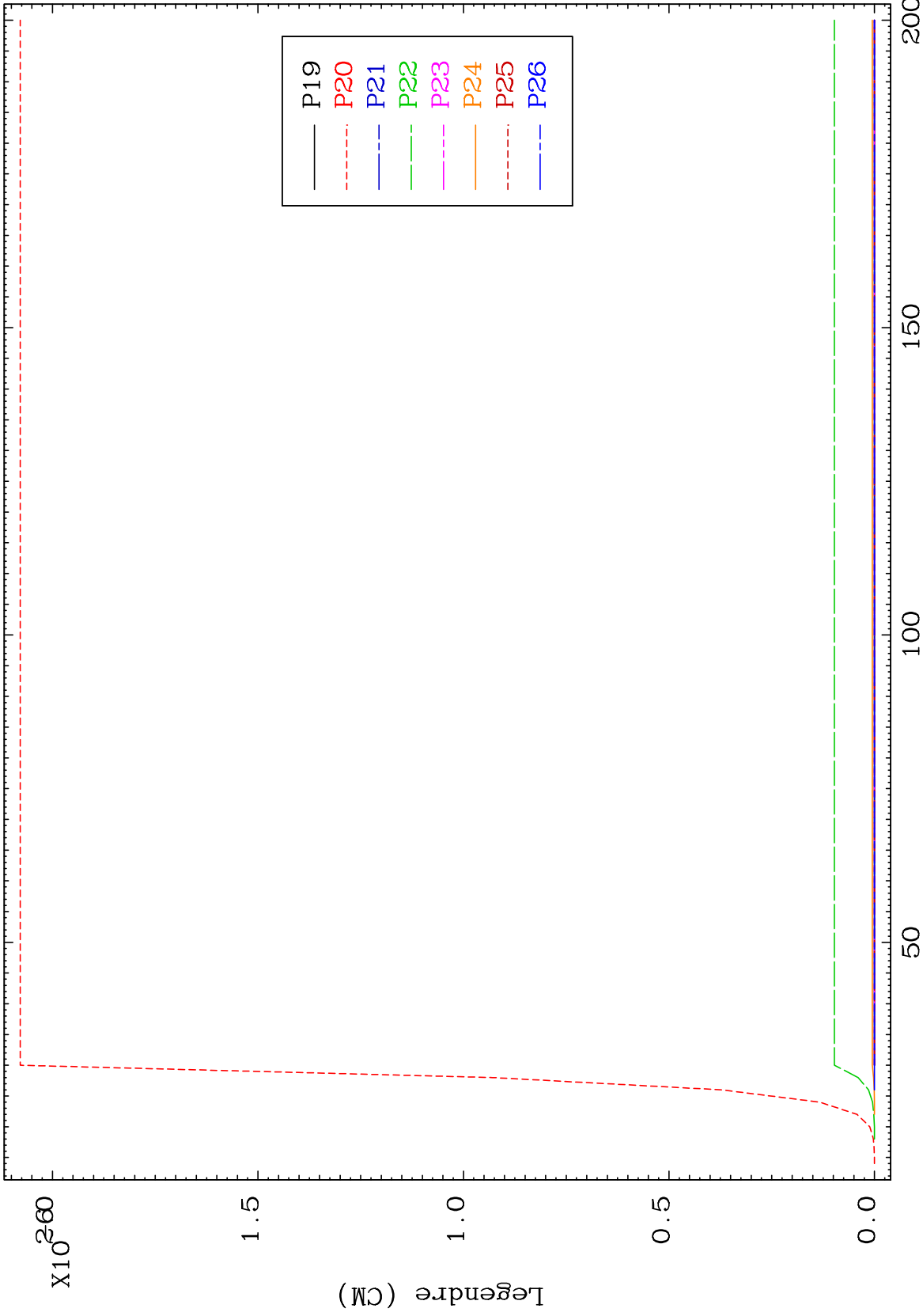
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146

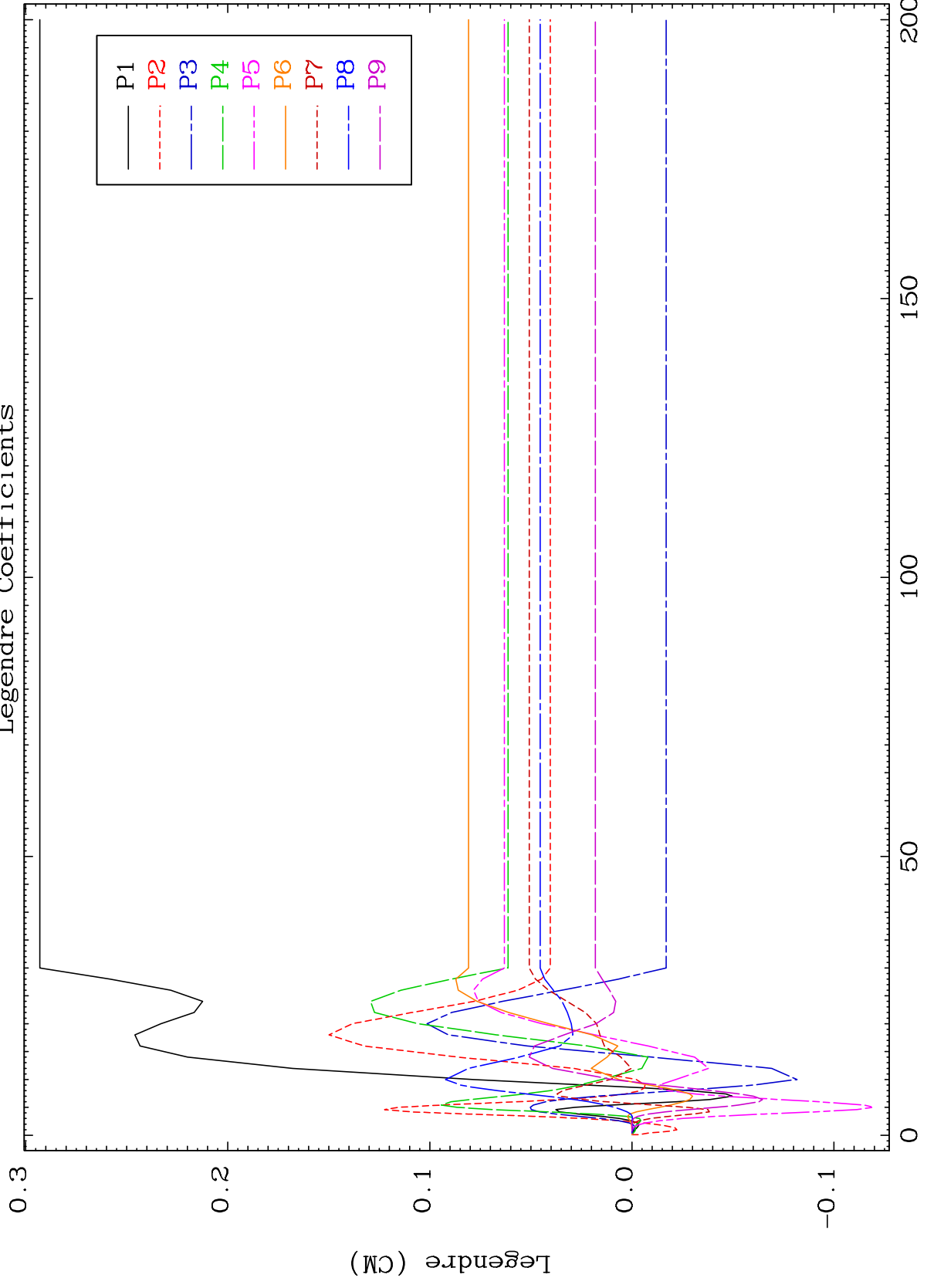


31

Incident Energy (MeV)

61-Pm-146

MAT 6146 MT= 55 (n,n') Level Legendre Coefficients 61-Pm-146

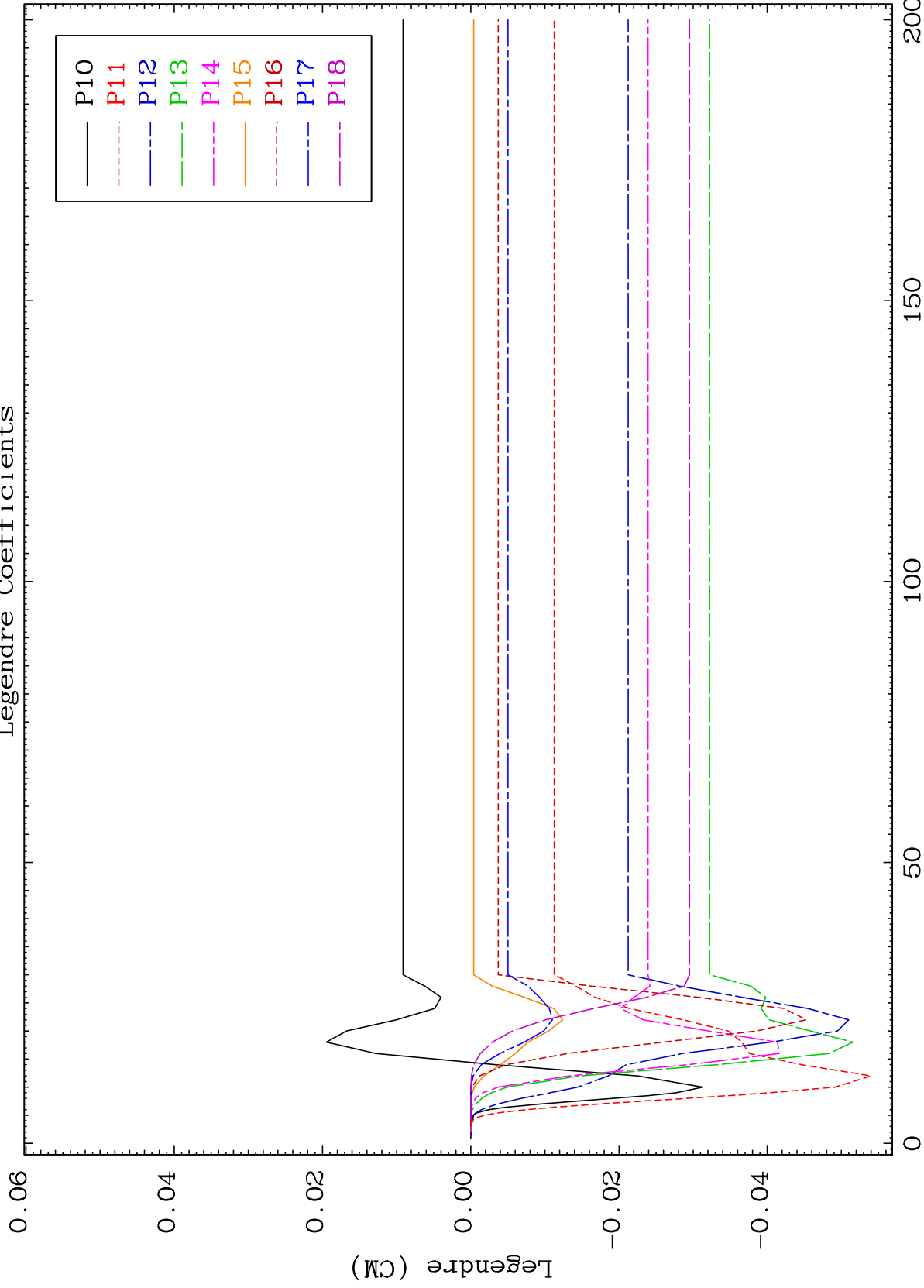


32 61-Pm-146

MAT 6146

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

61-Pm-146



33

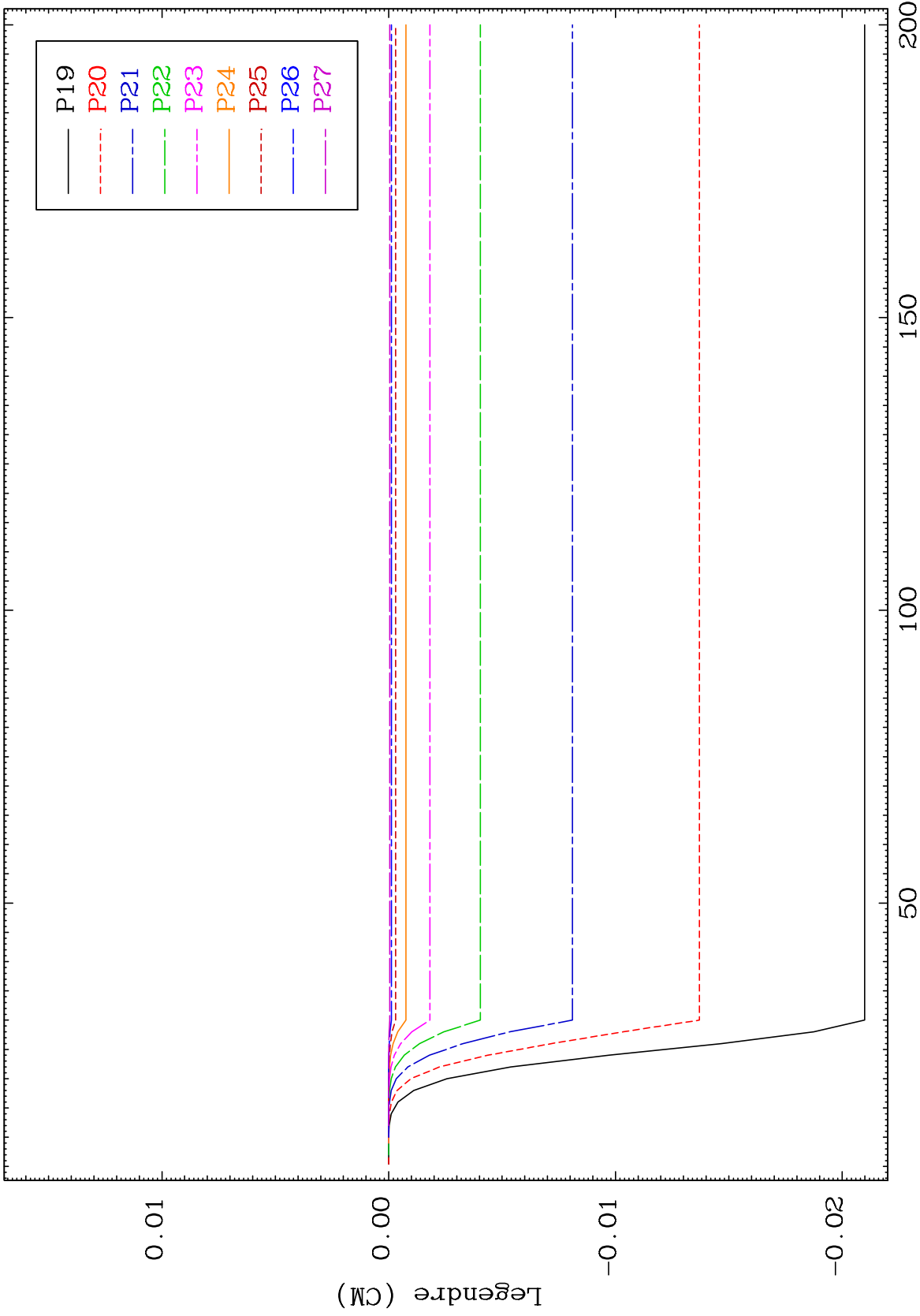
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



34

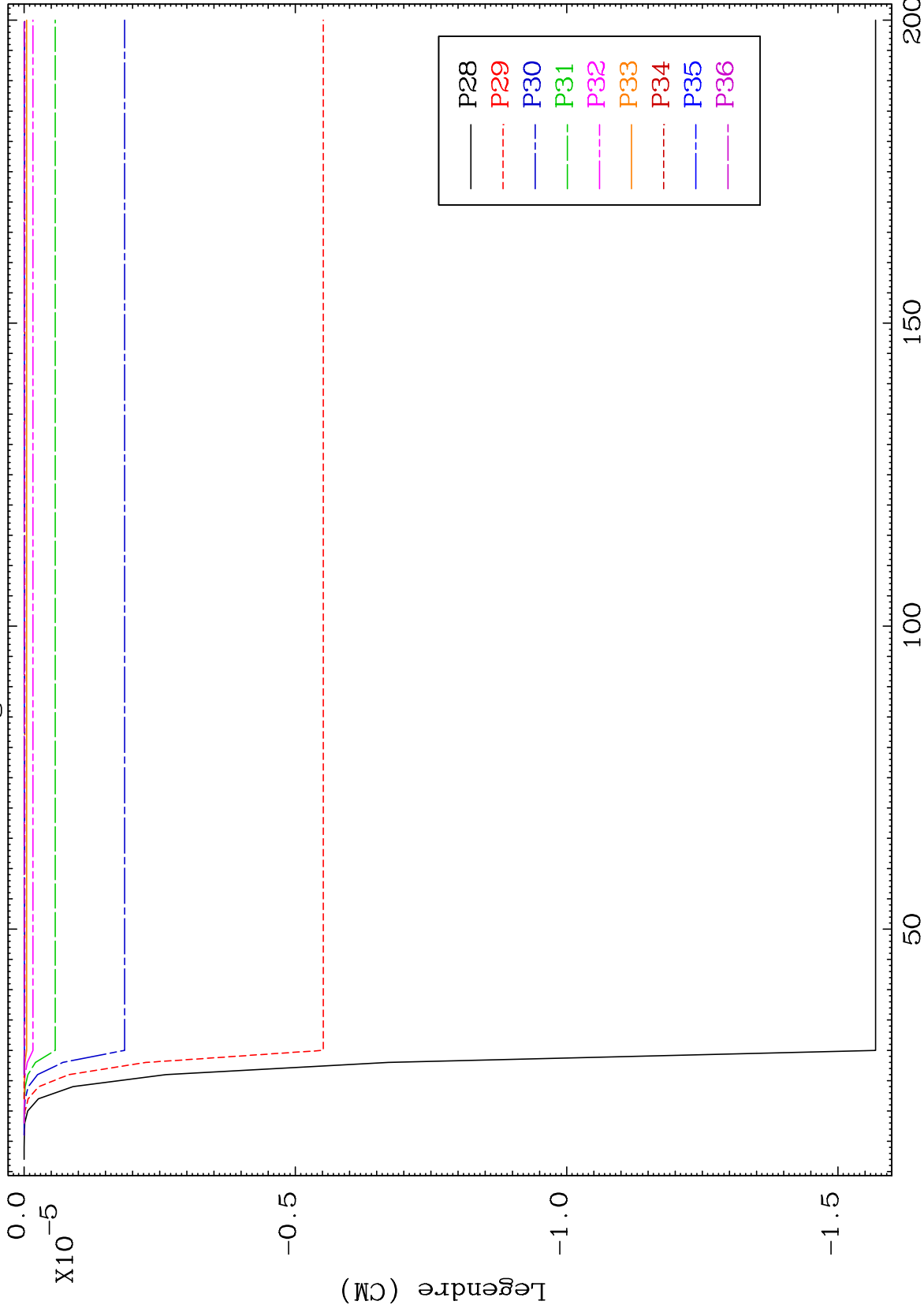
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146

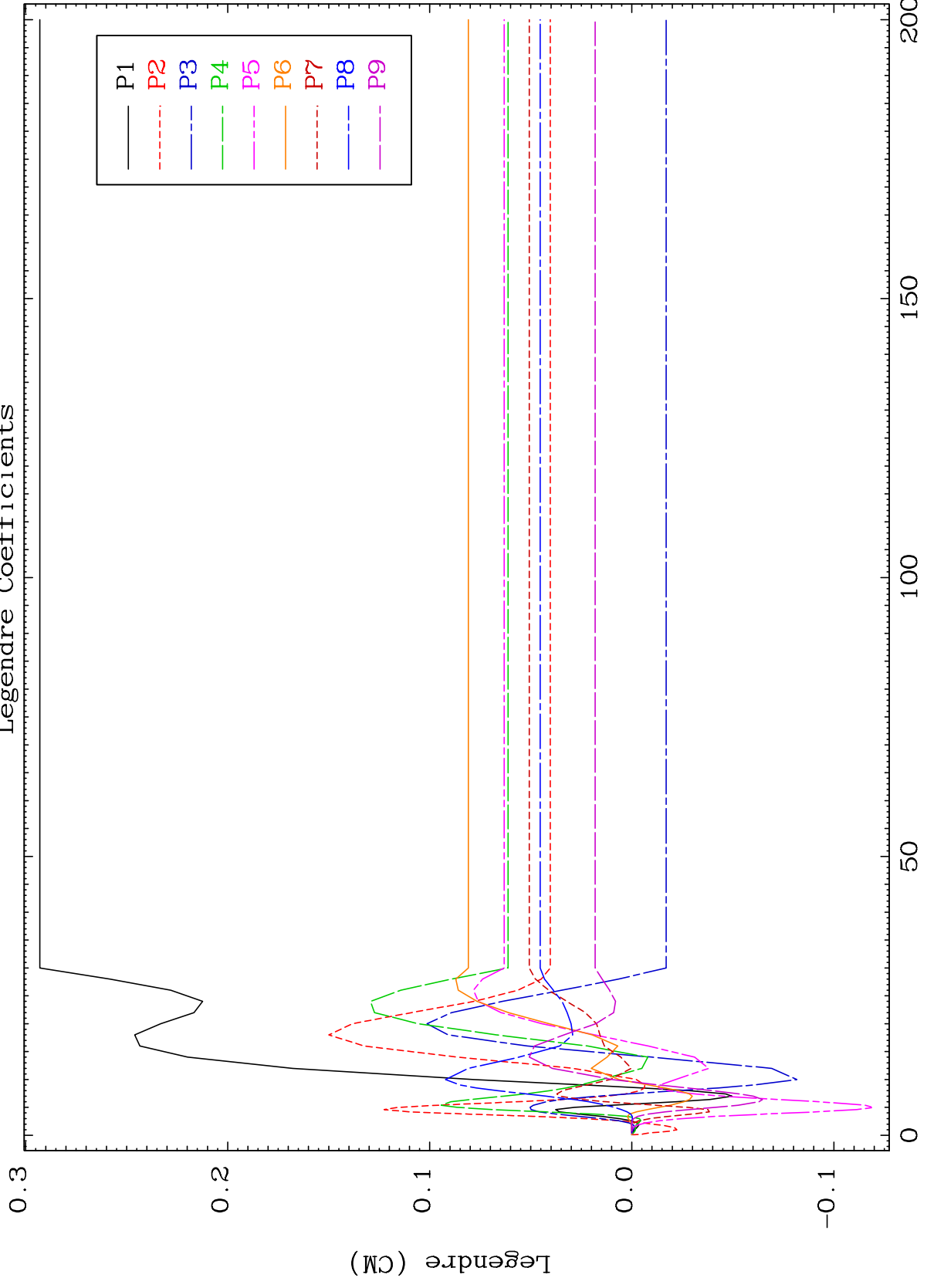


61-Pm-146

Incident Energy (MeV)

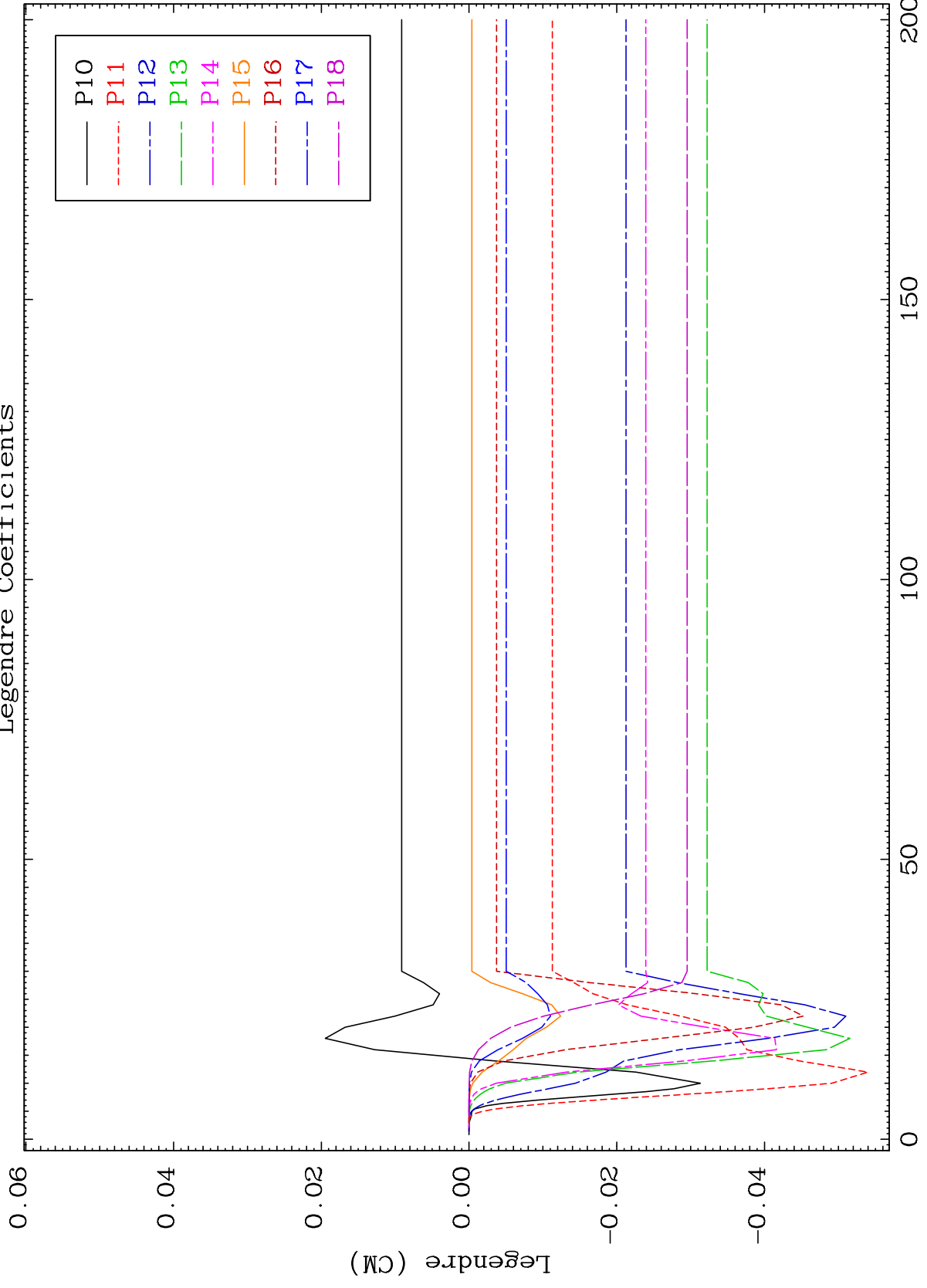
35

MAT 6146 MT= 56 (n,n') Level Legendre Coefficients 61-Pm-146



36 61-Pm-146

MAT 6146 MT= 56 (n,n') Level Legendre Coefficients 61-Pm-146

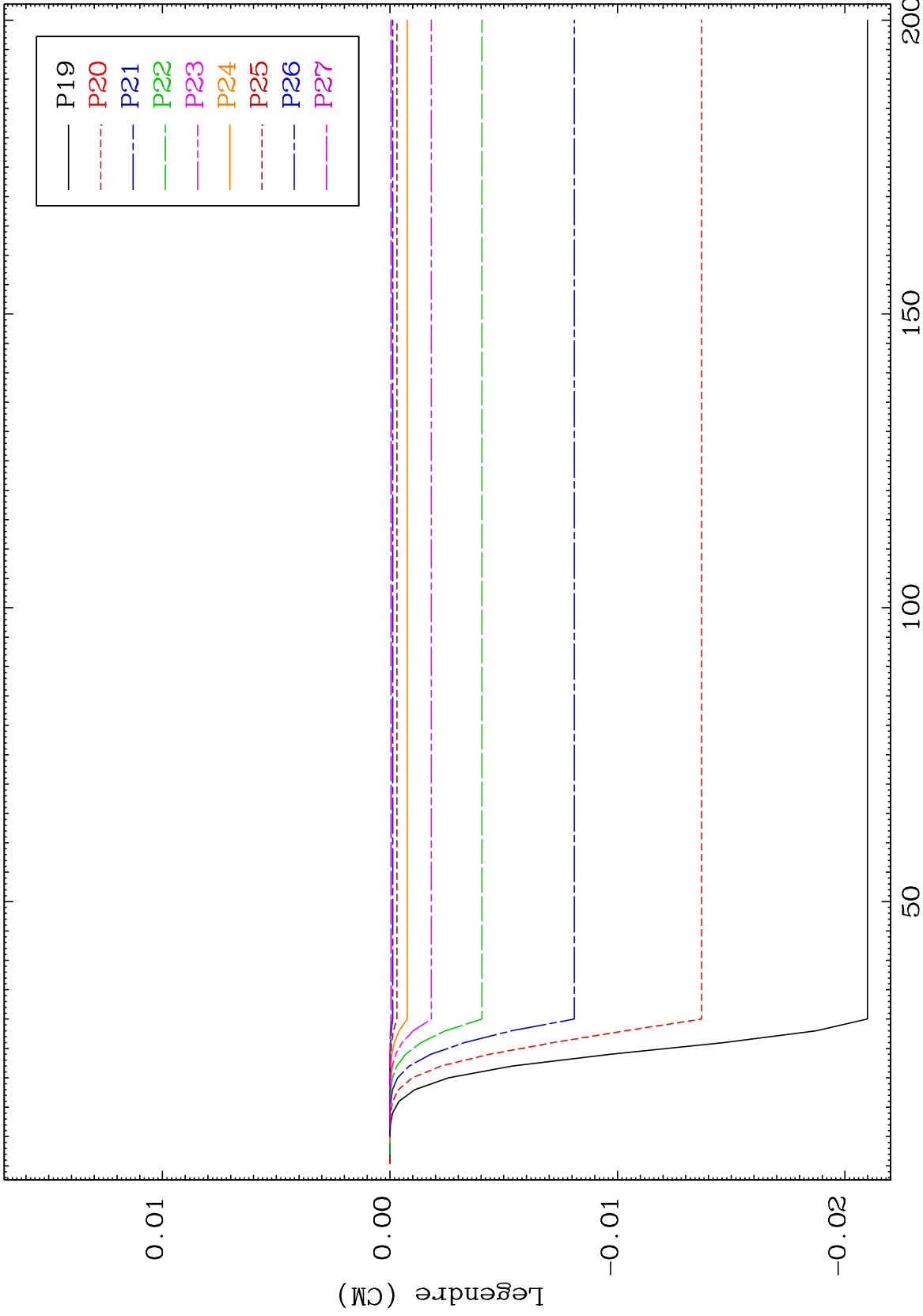


37 61-Pm-146

MAT 6146

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

61-Pm-146



38

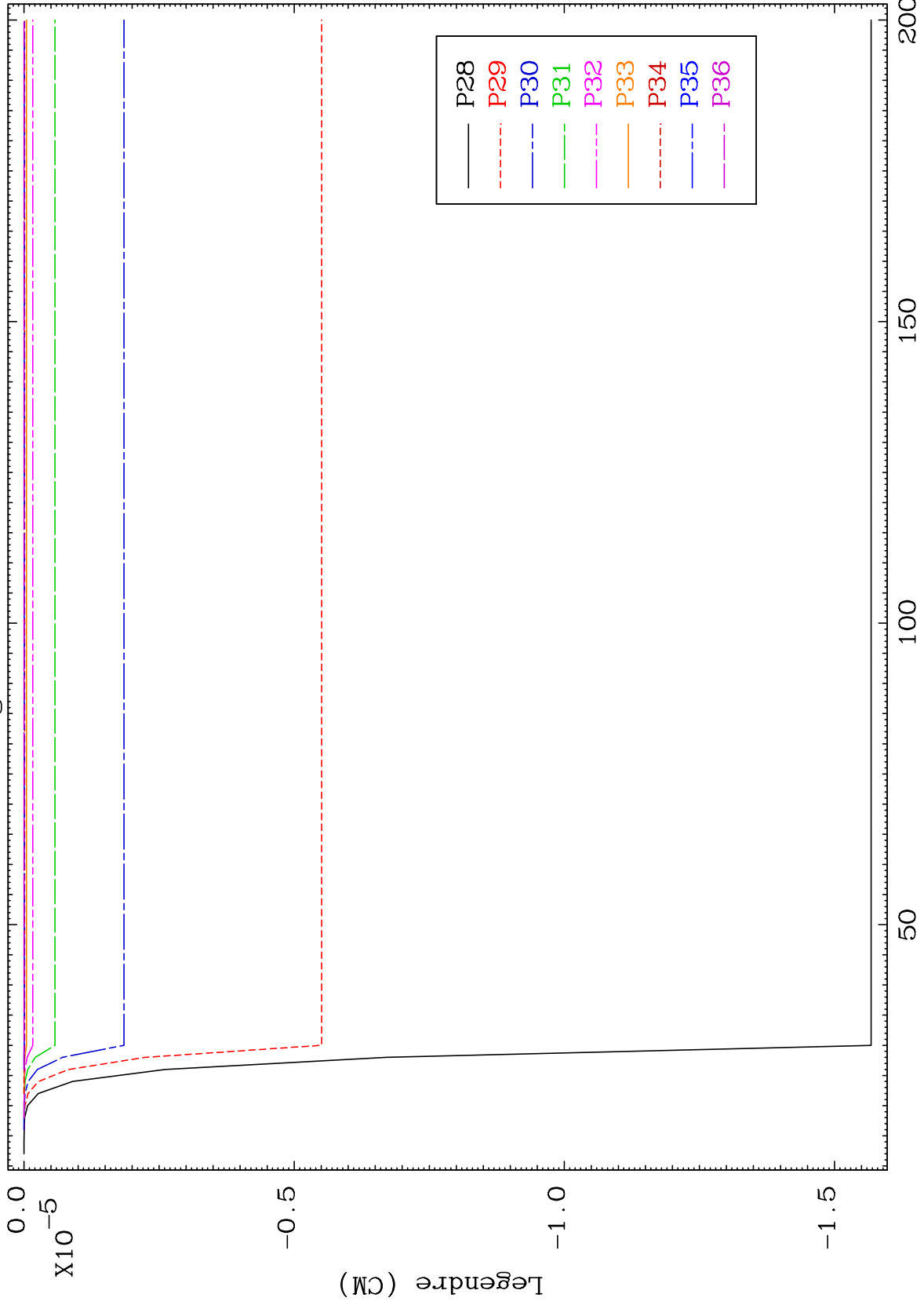
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



61-Pm-146

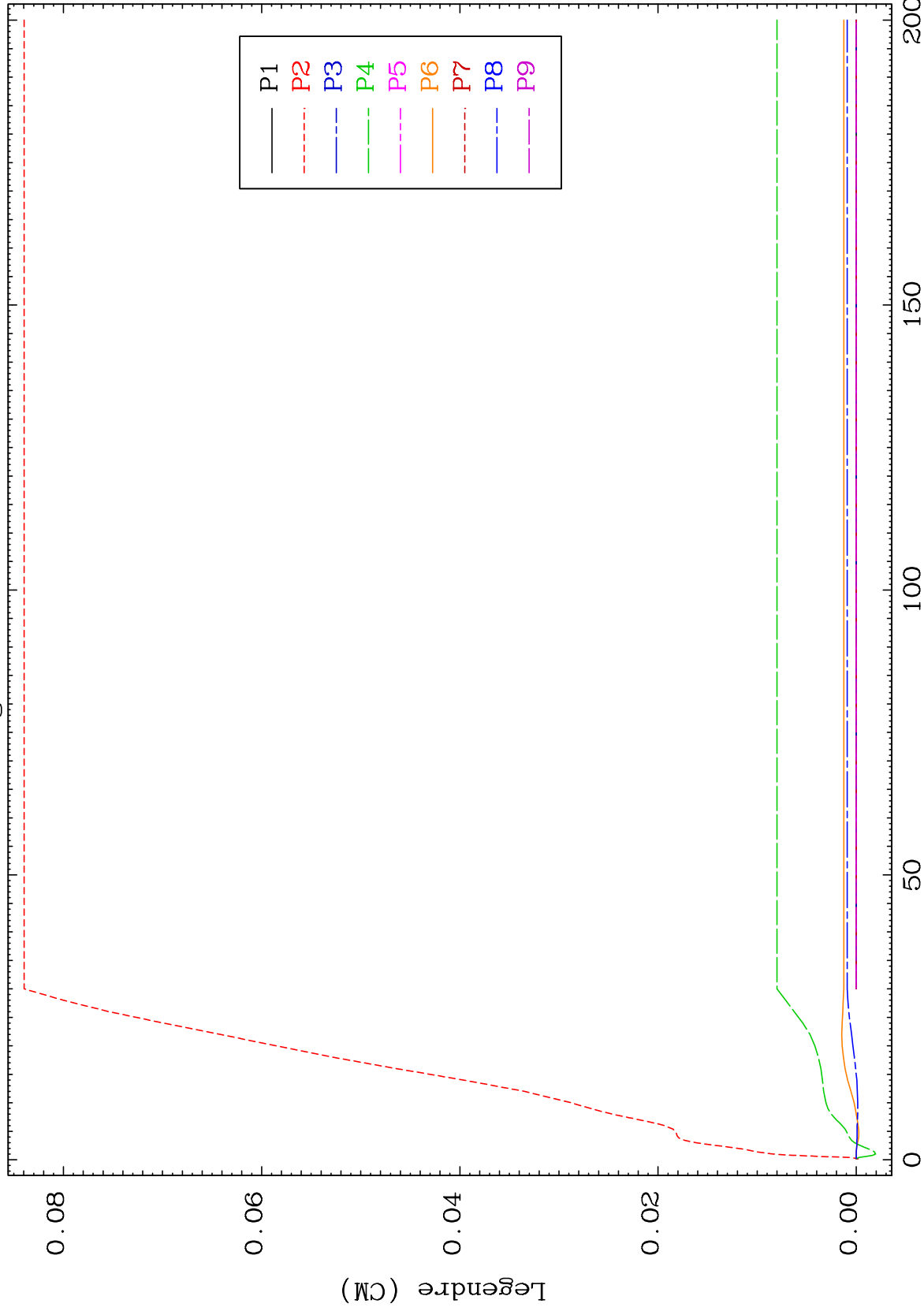
Incident Energy (MeV)

39

MAT 6146

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

61-Pm-146



61-Pm-146

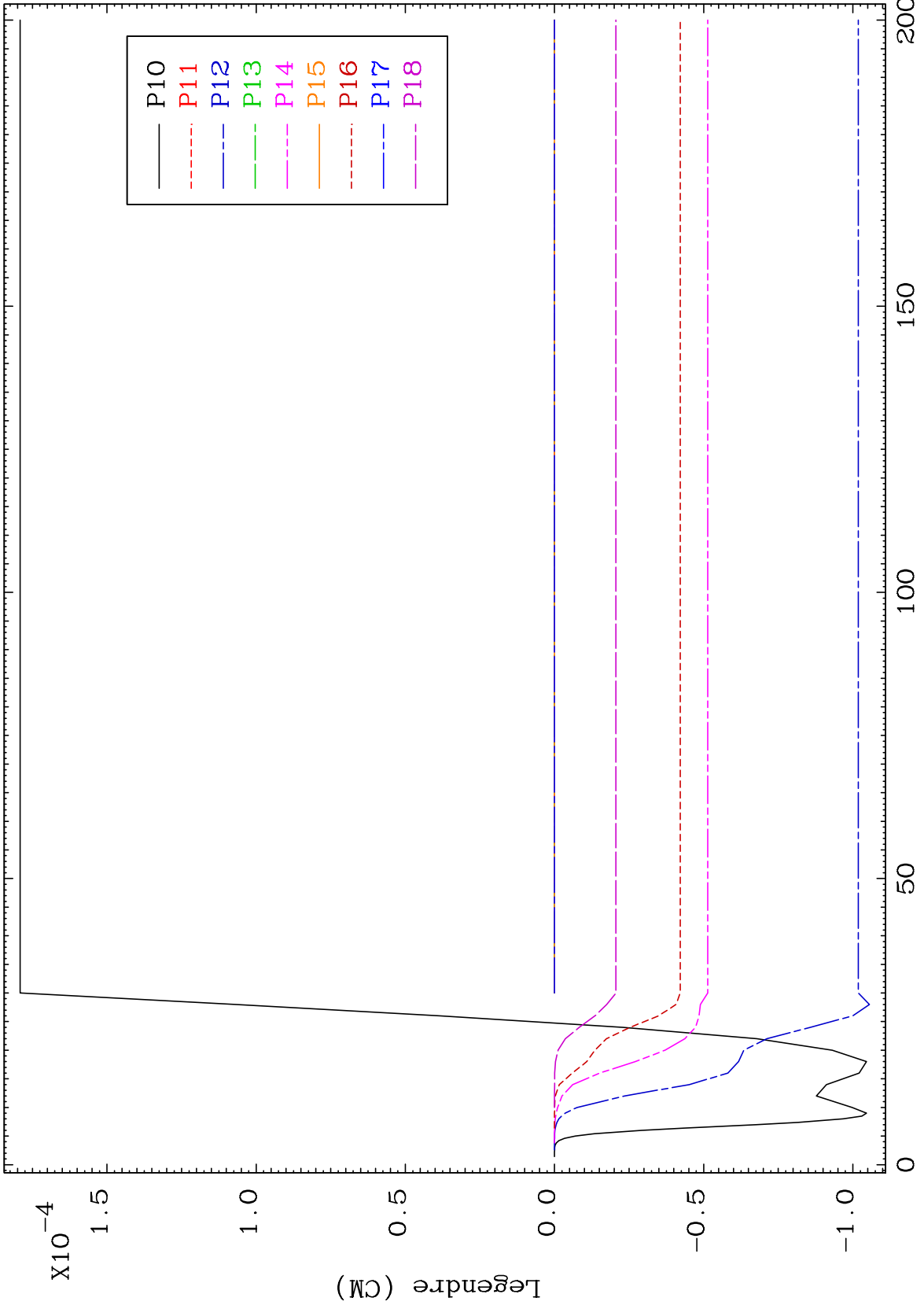
Incident Energy (MeV)

Legendre (CM)

MAT 6146

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

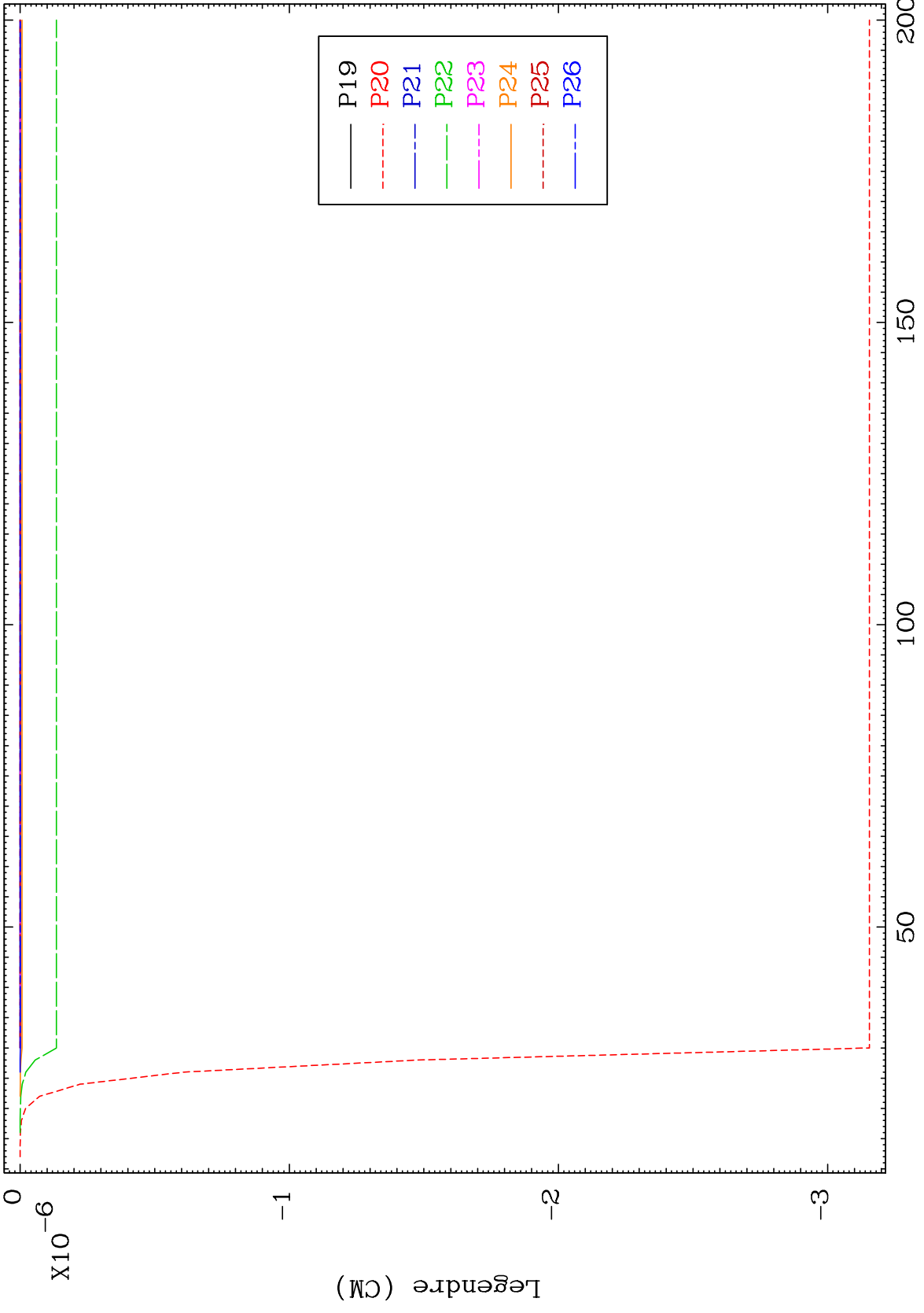
61-Pm-146



41

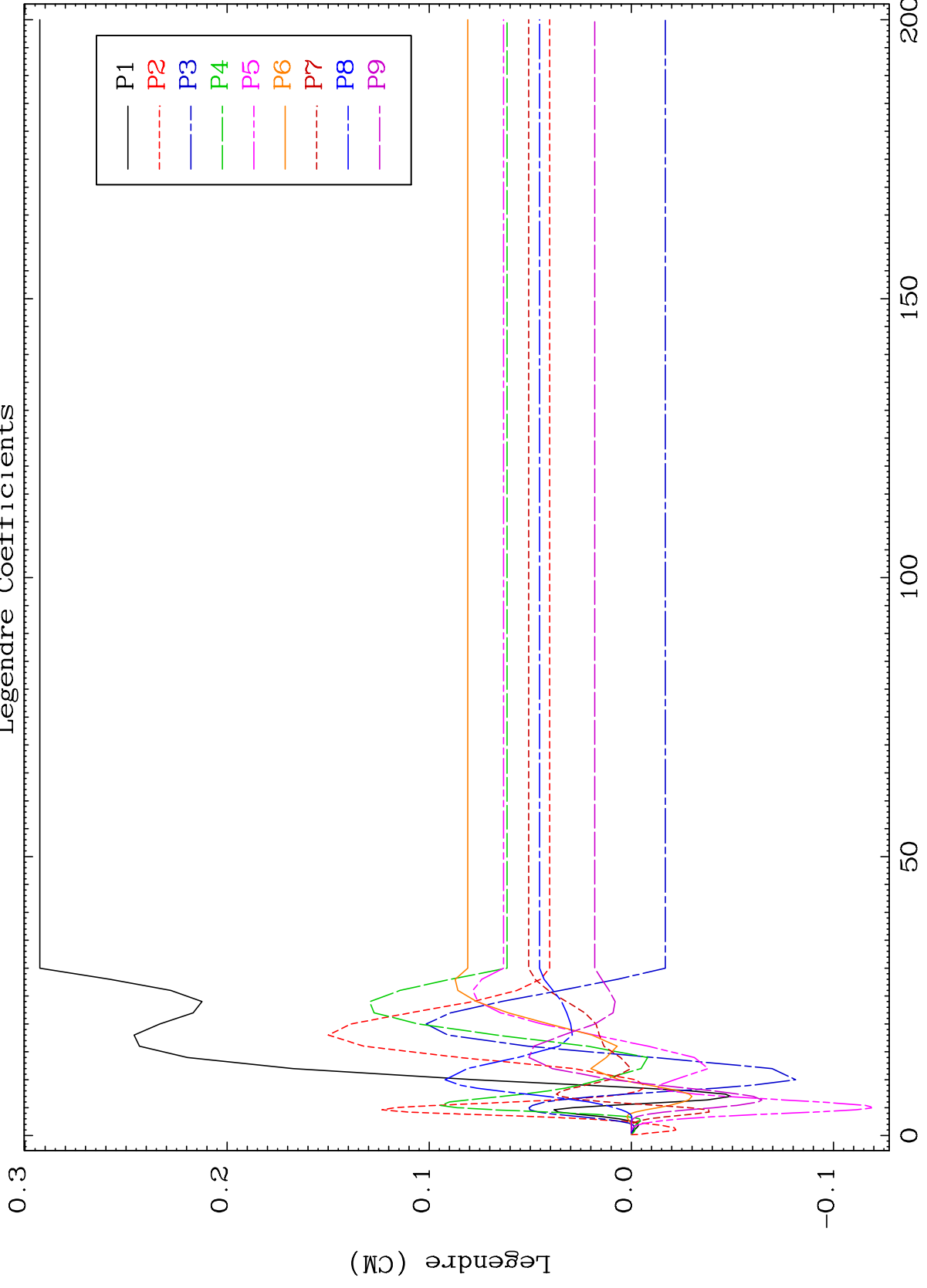
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MAT 6146 MT= 57 (n,n') Level Legendre Coefficients 61-Pm-146

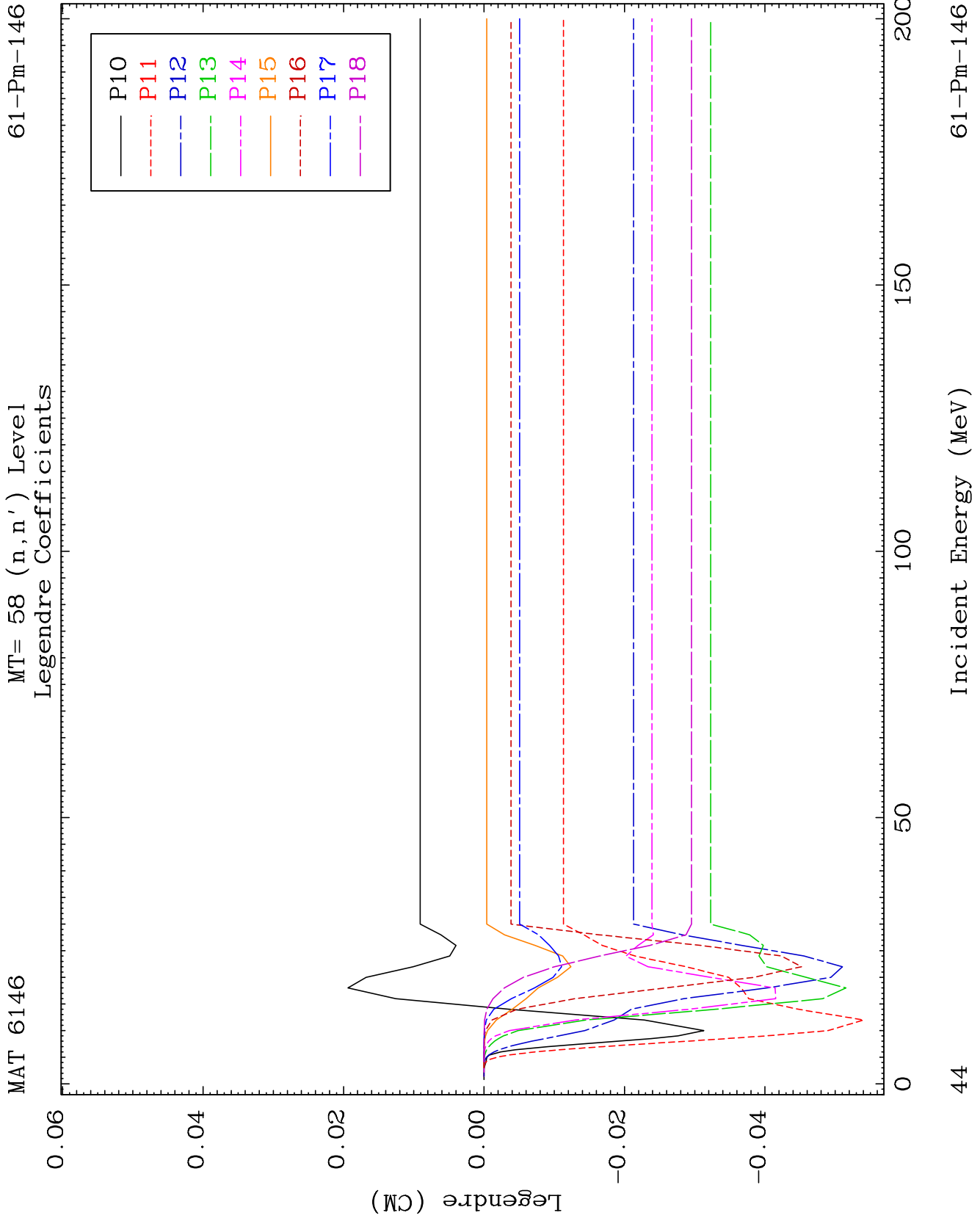


42 50 100 150 200 61-Pm-146

MAT 6146 MT= 58 (n,n') Level Legendre Coefficients 61-Pm-146



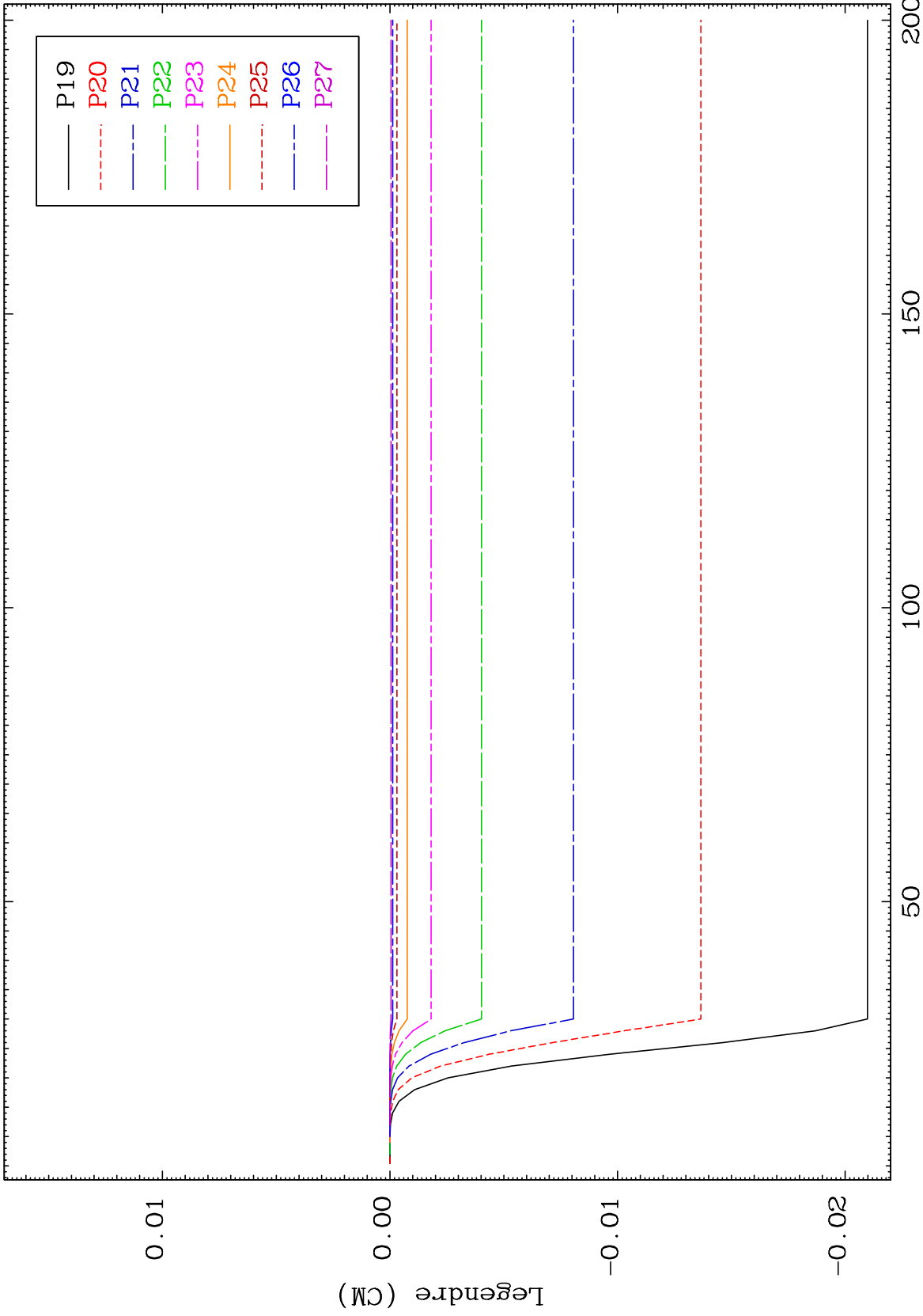
43 61-Pm-146



MAT 6146

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

61-Pm-146



45

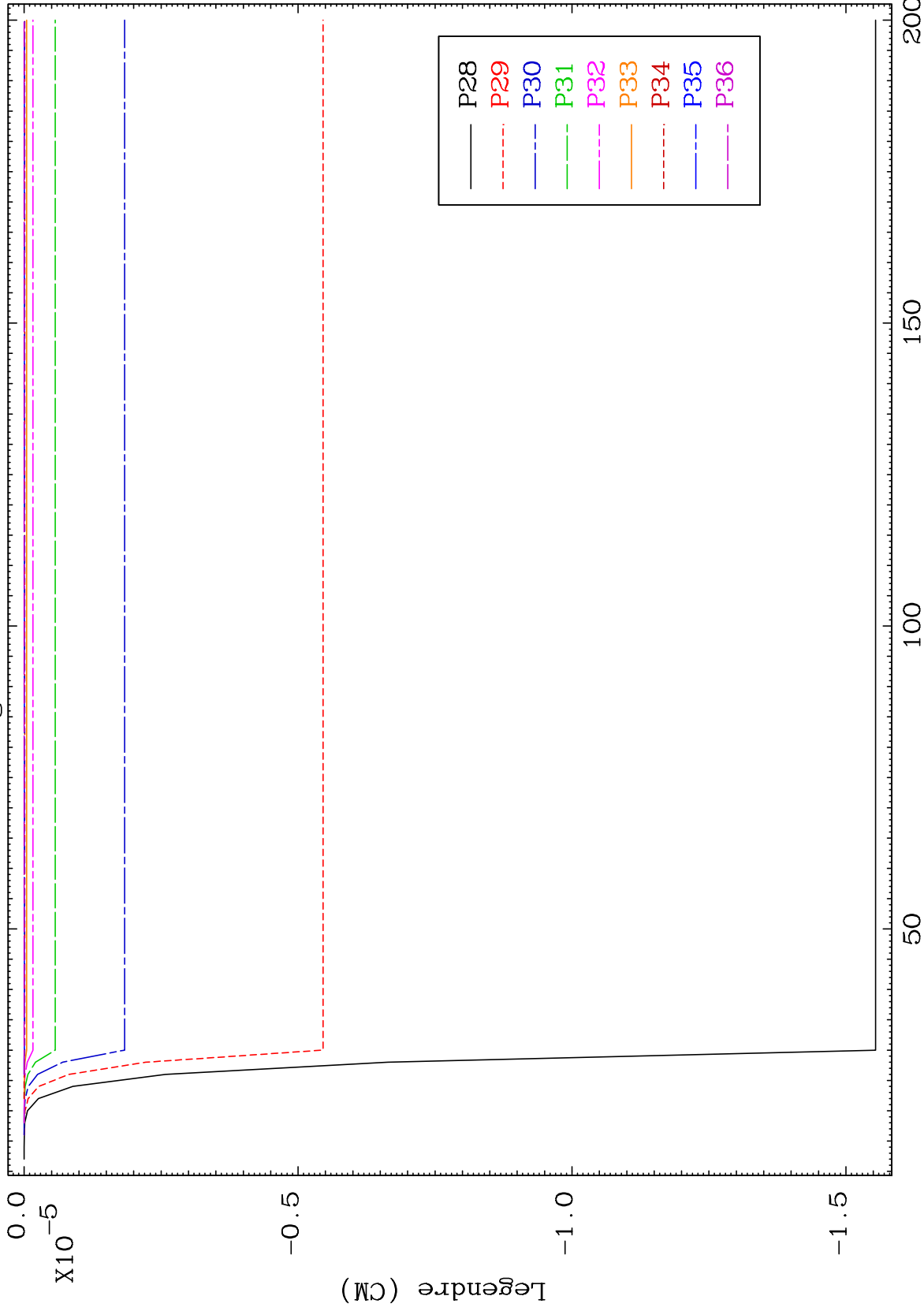
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



46

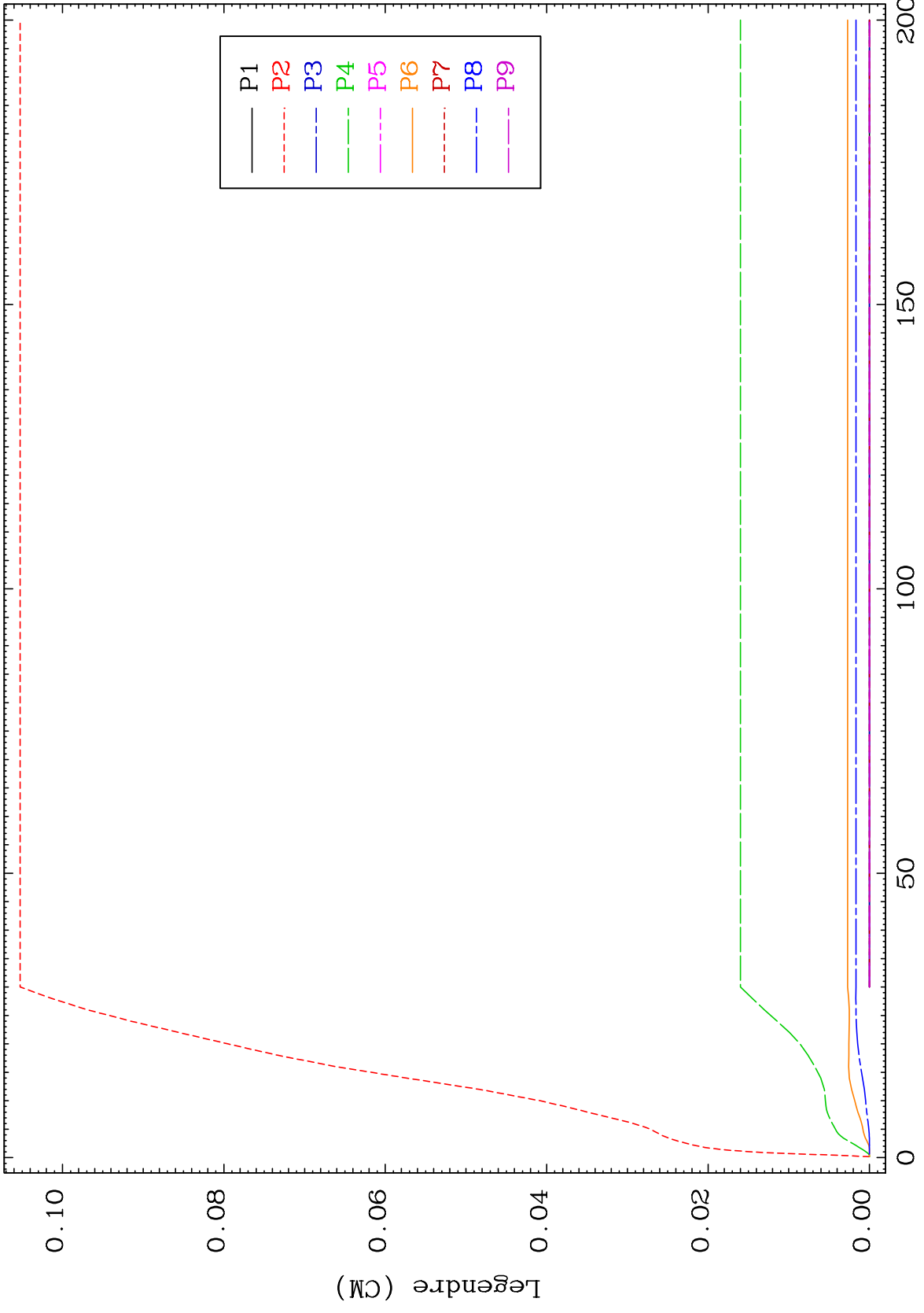
61-Pm-146

200

MAT 6146

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

61-Pm-146



47

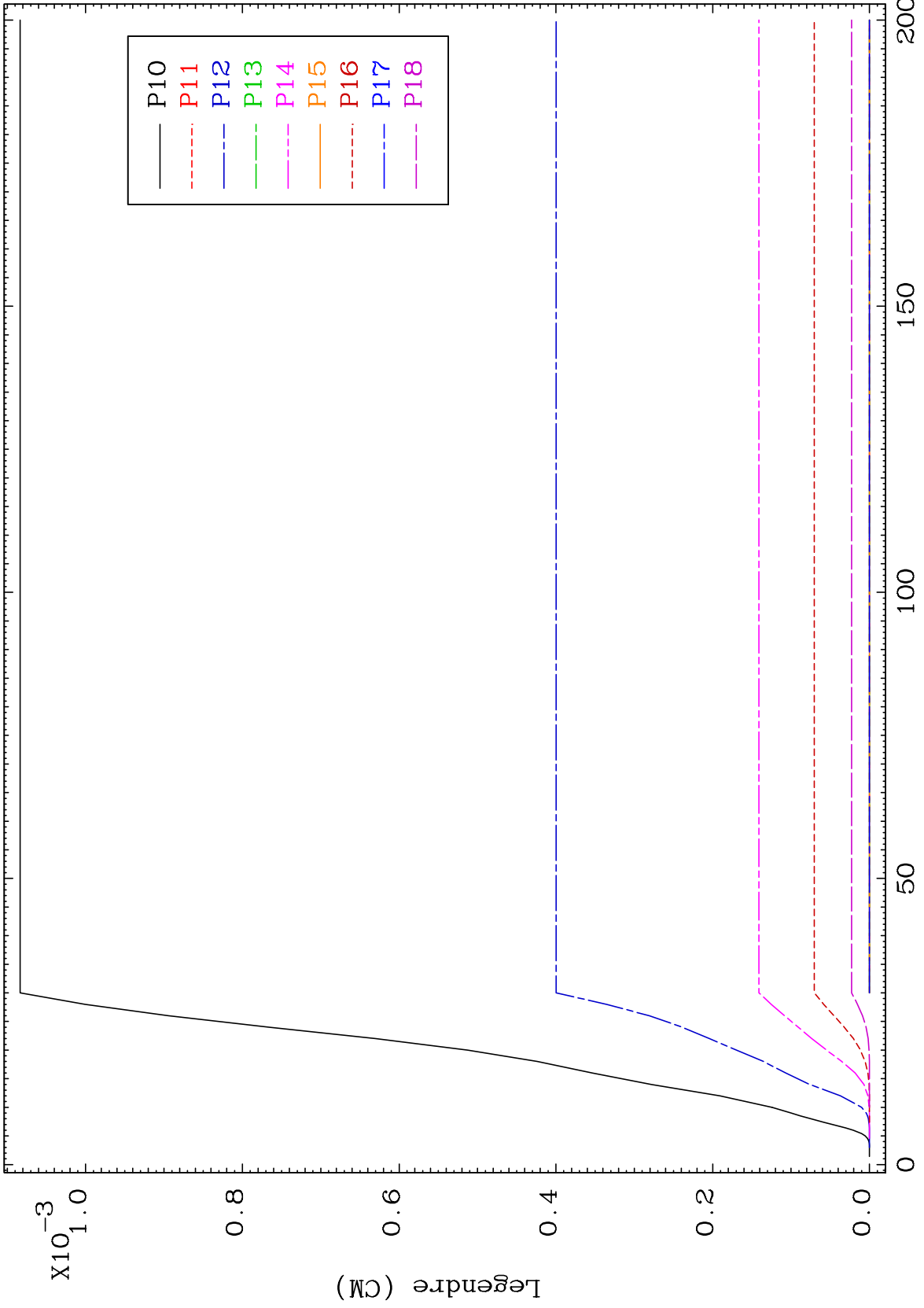
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



48

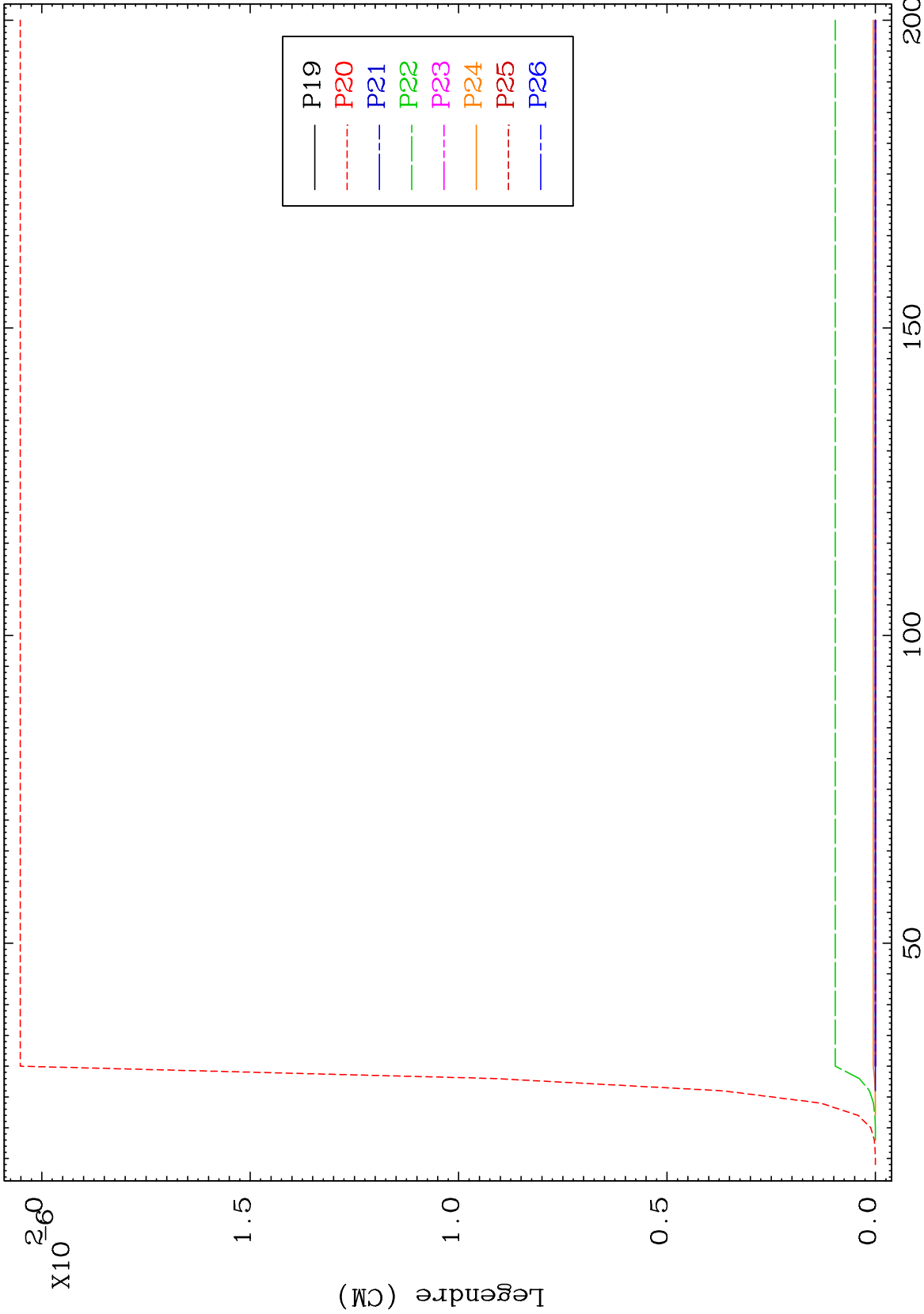
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146

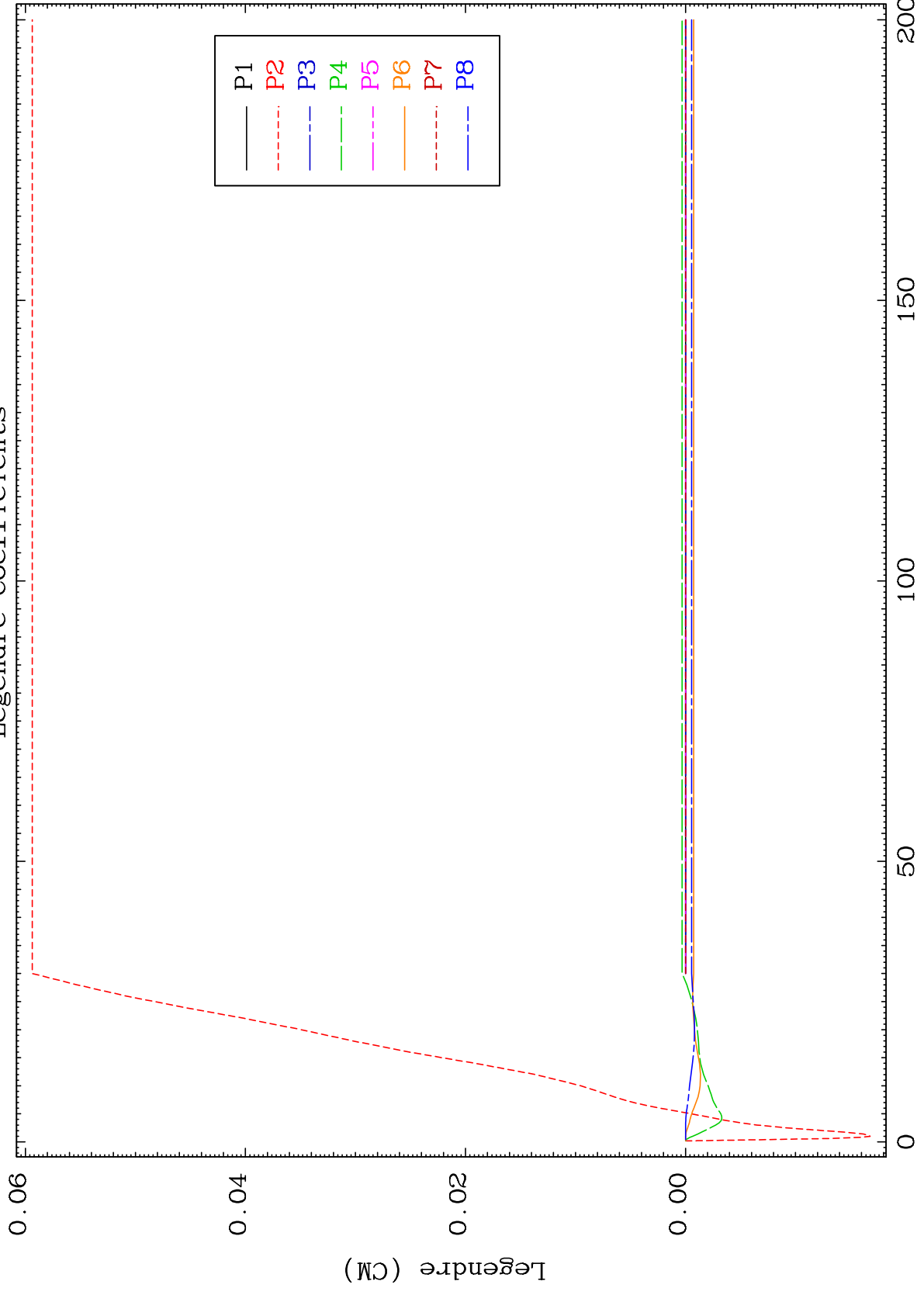


49

Incident Energy (MeV)

61-Pm-146

MAT 6146 MT= 60 (n,n') Level Legendre Coefficients 61-Pm-146

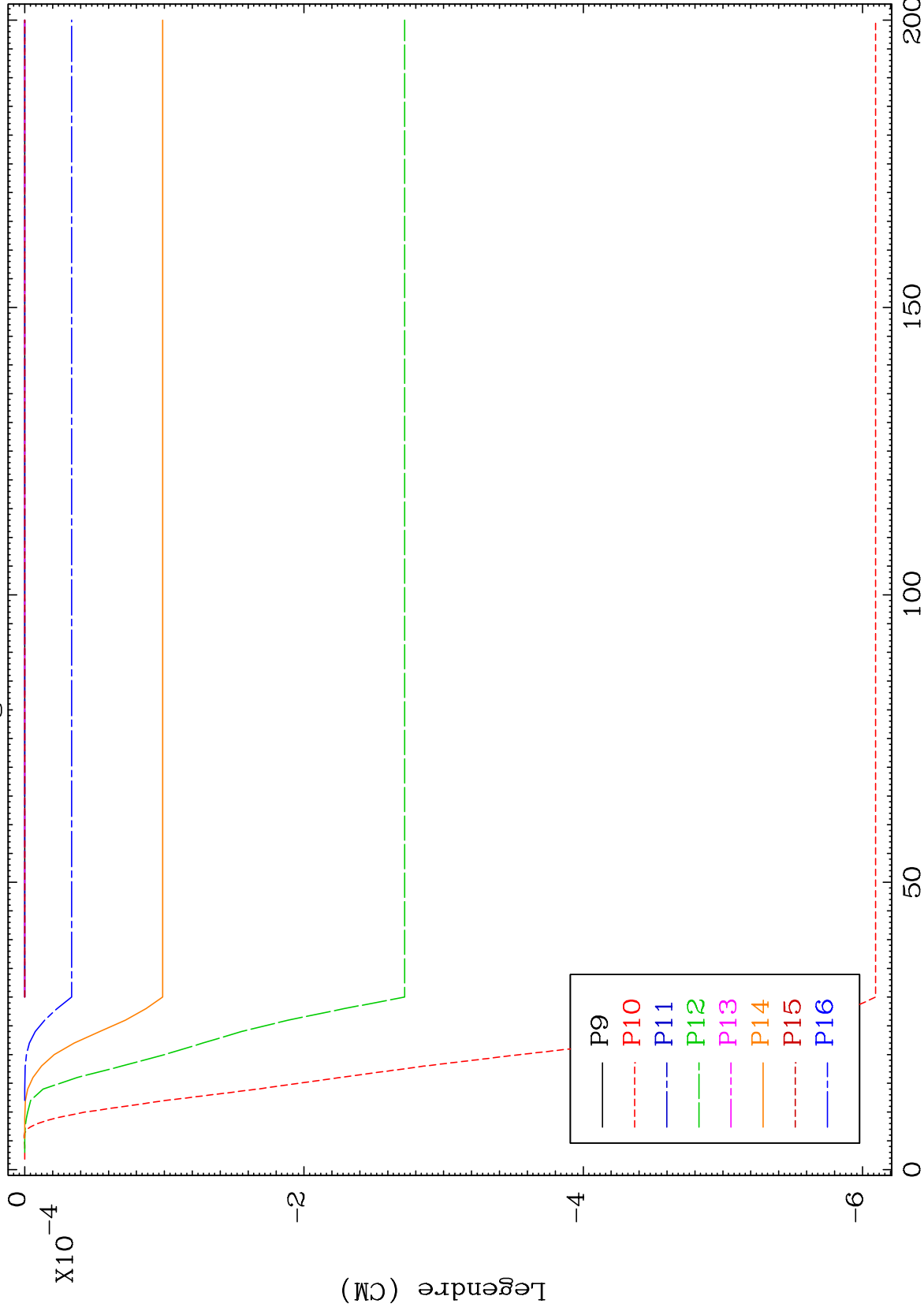


61-Pm-146

MAT 6146

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

61-Pm-146



61-Pm-146

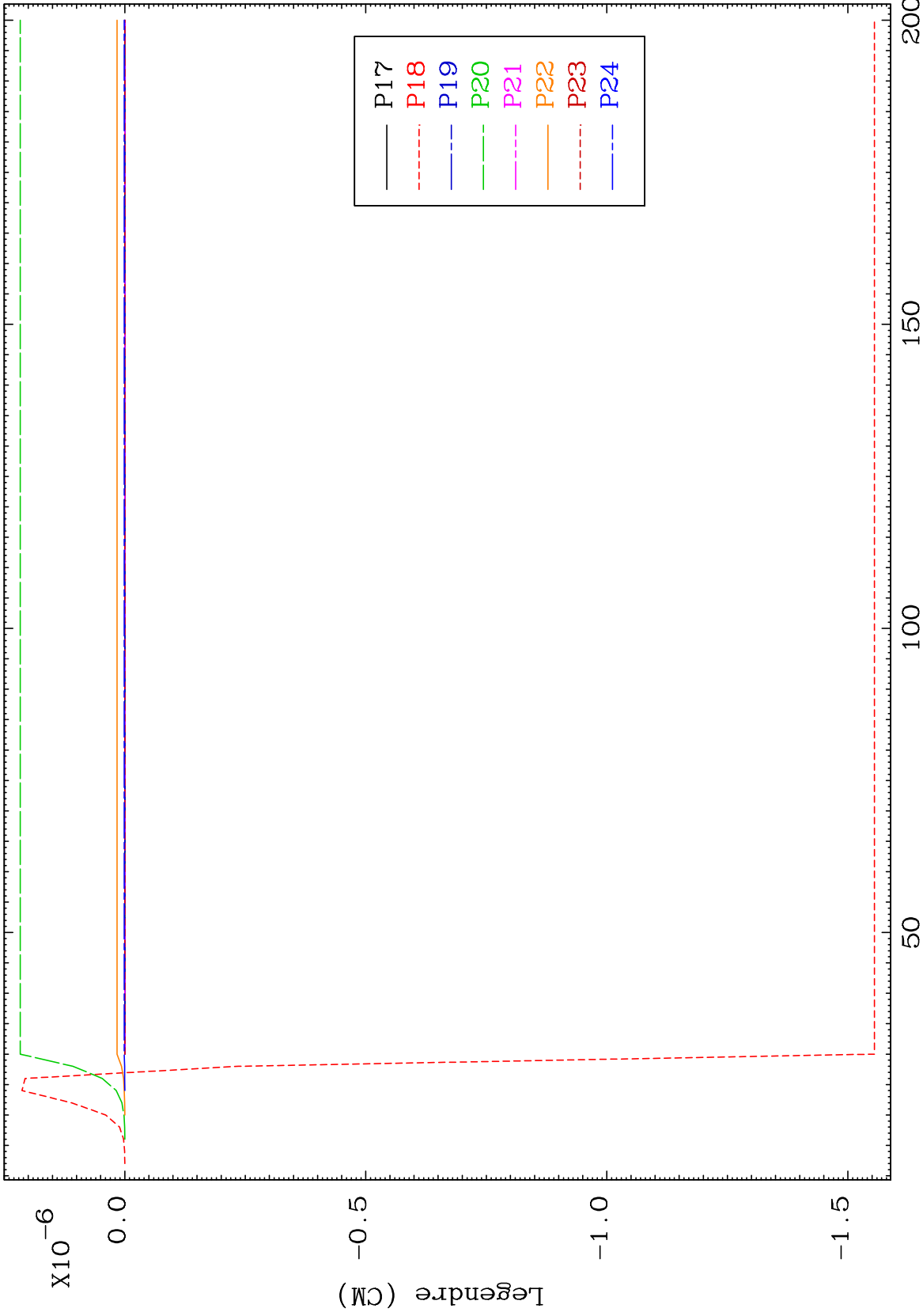
Incident Energy (MeV)

51

MAT 6146

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

61-Pm-146



52

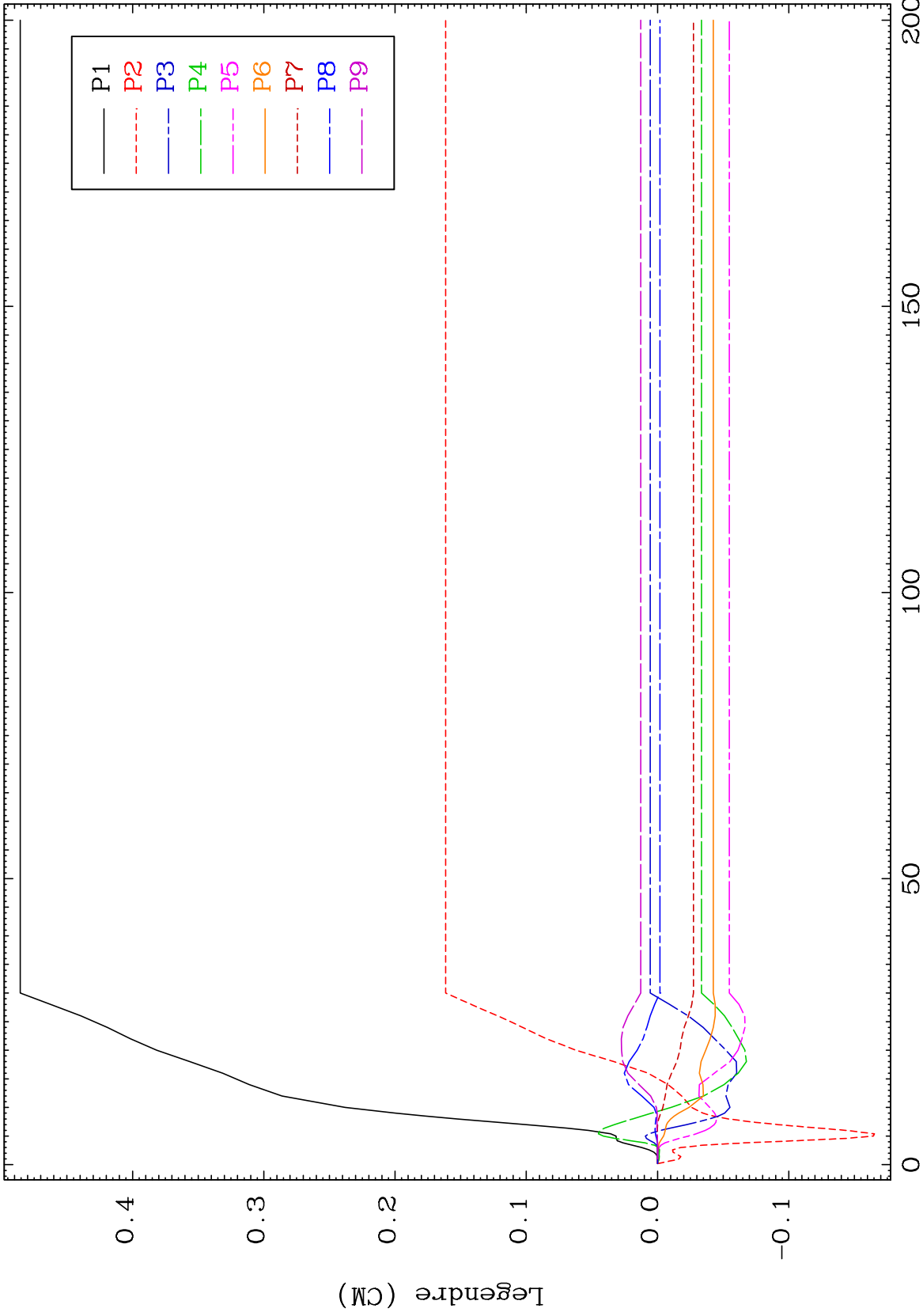
Incident Energy (MeV)

61-Pm-146

MAT 6146

MT= 61 (n,n') Level
Legendre Coefficients

61-Pm-146



53

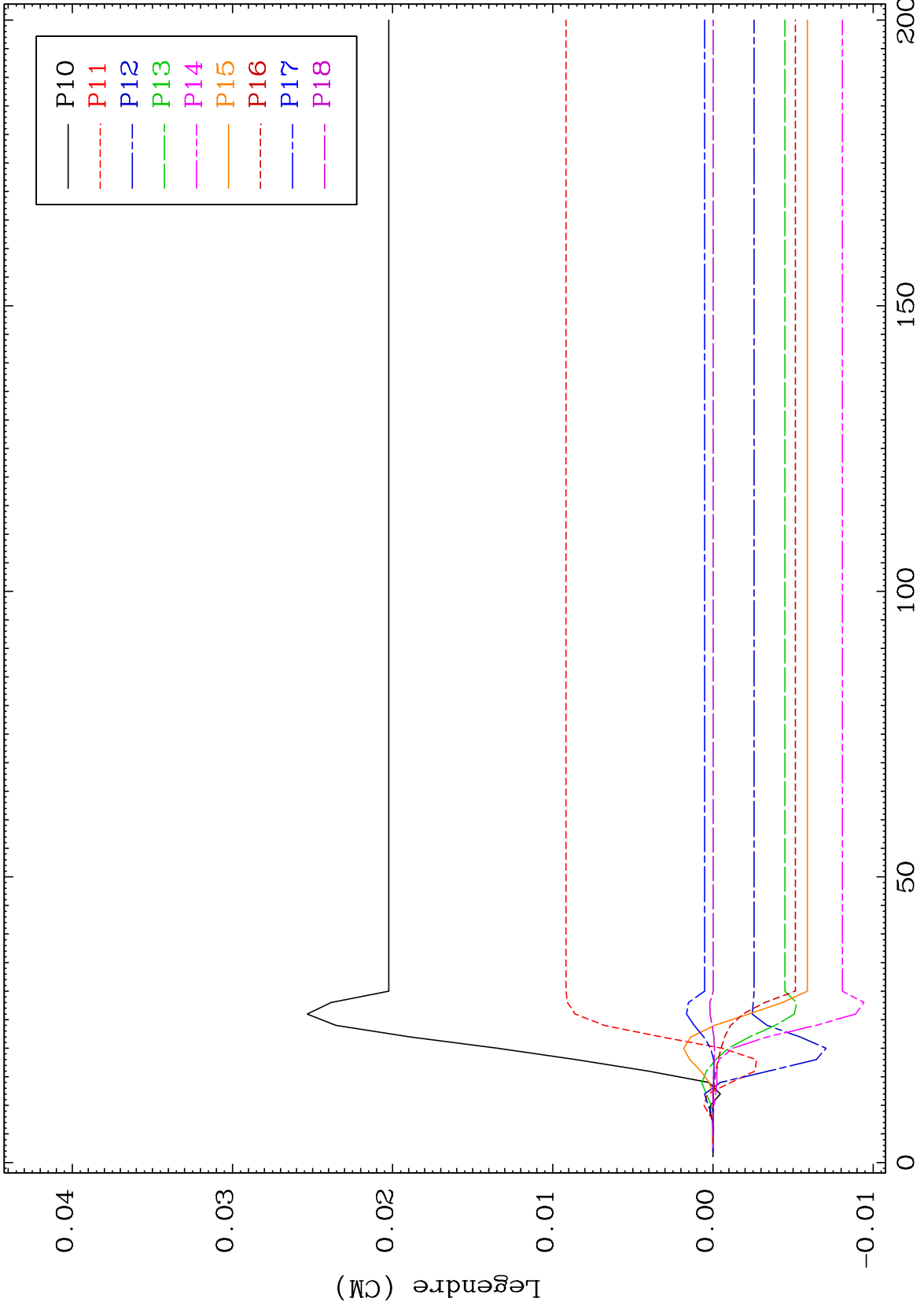
Incident Energy (MeV)

61-Pm-146

MAT 6146

MT= 61 (n,n') Level
Legendre Coefficients

61-Pm-146



54

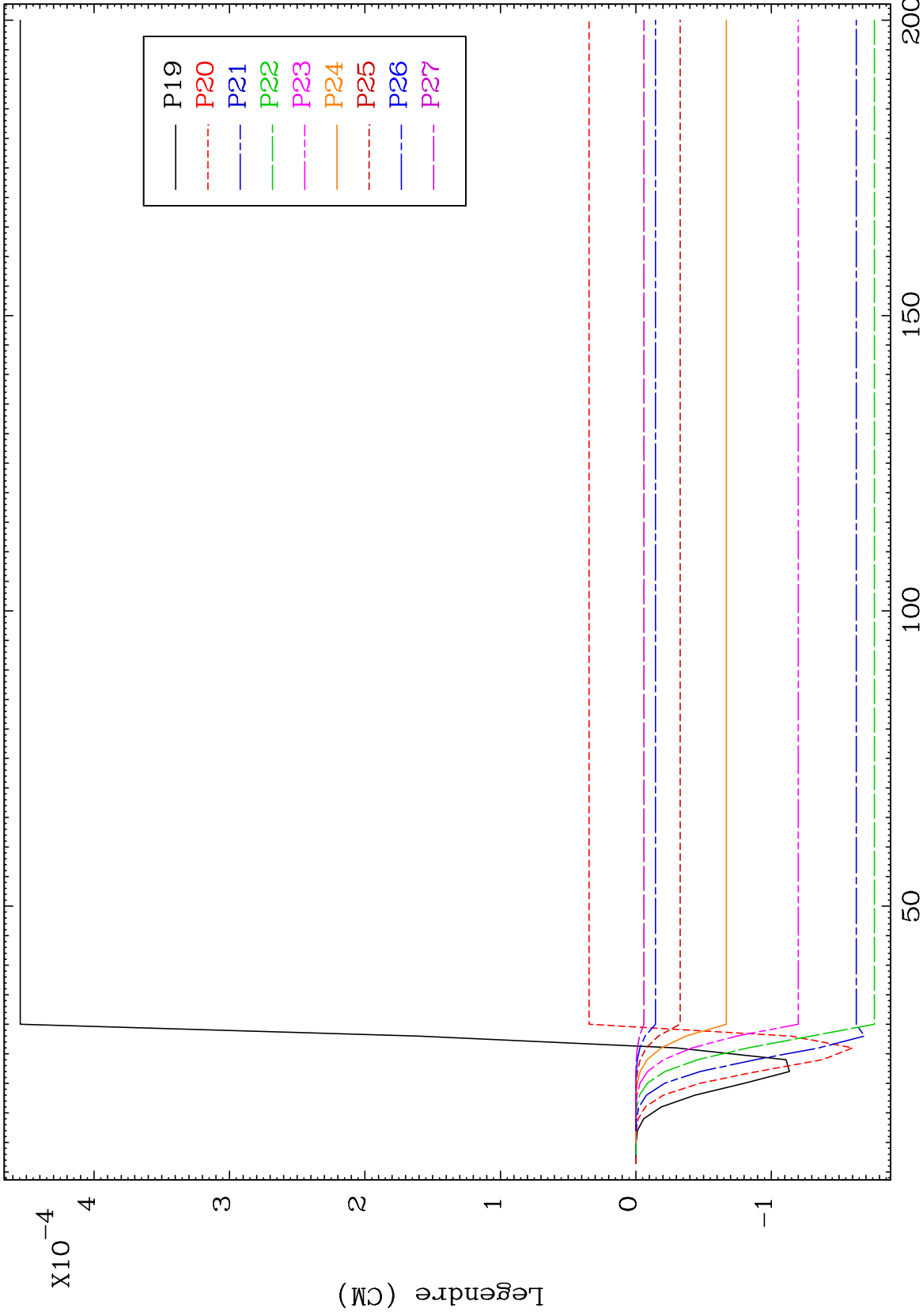
Incident Energy (MeV)

61-Pm-146

MAT 6146

MT= 61 (n,n') Level
Legendre Coefficients

61-Pm-146



55

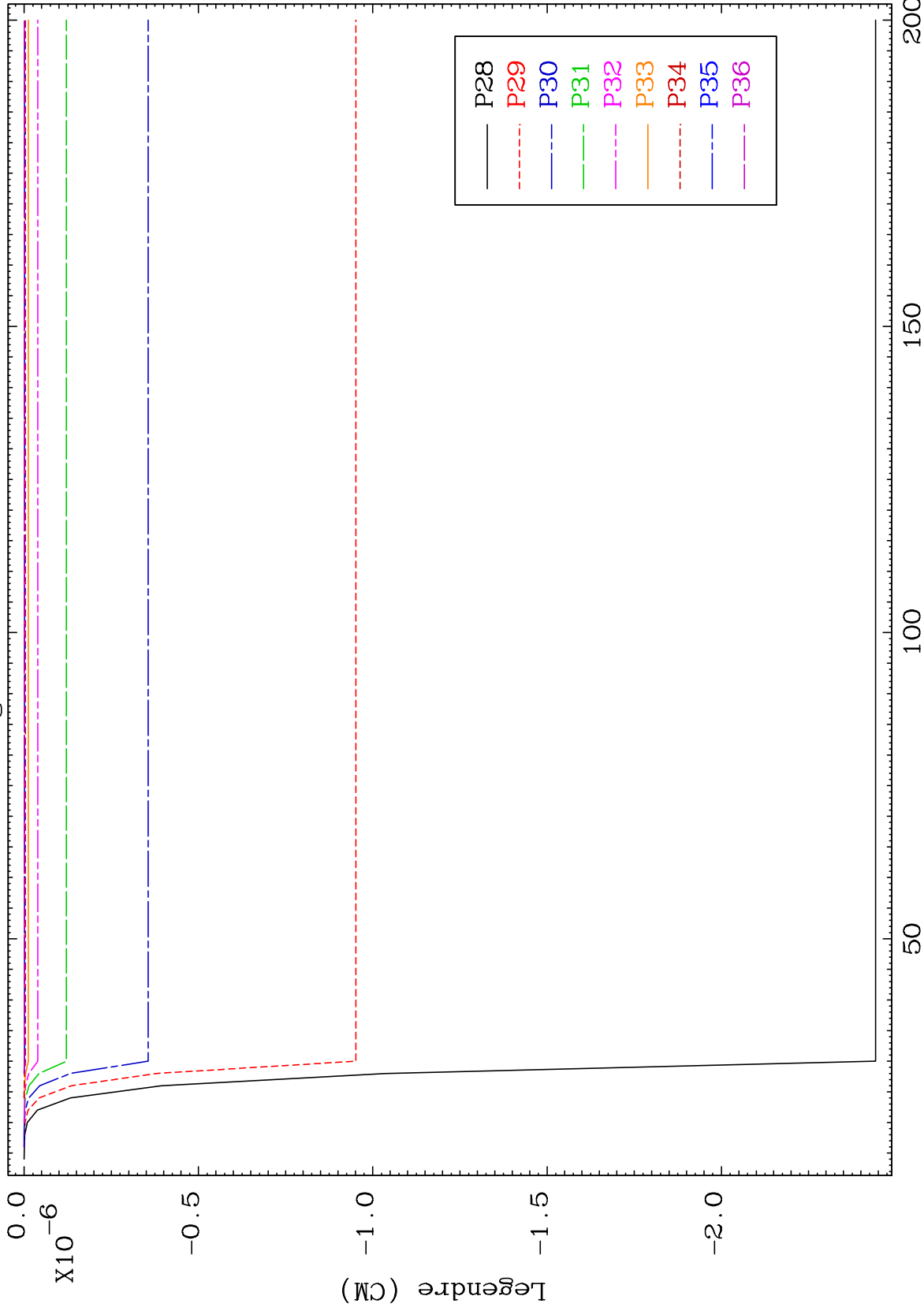
Incident Energy (MeV)

61-Pm-146

MAT 6146

MT= 61 (n,n') Level
Legendre Coefficients

61-Pm-146



56

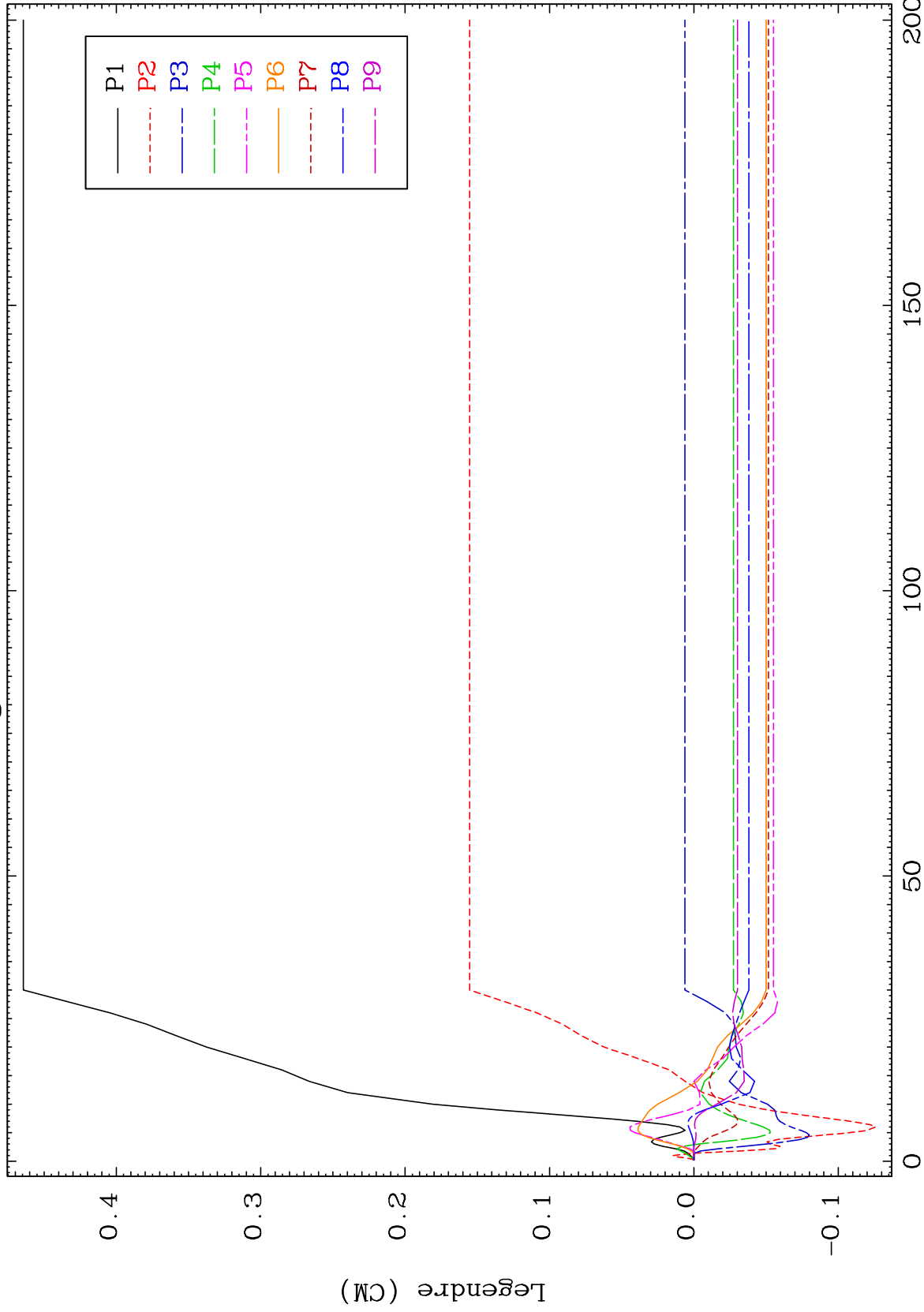
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



57

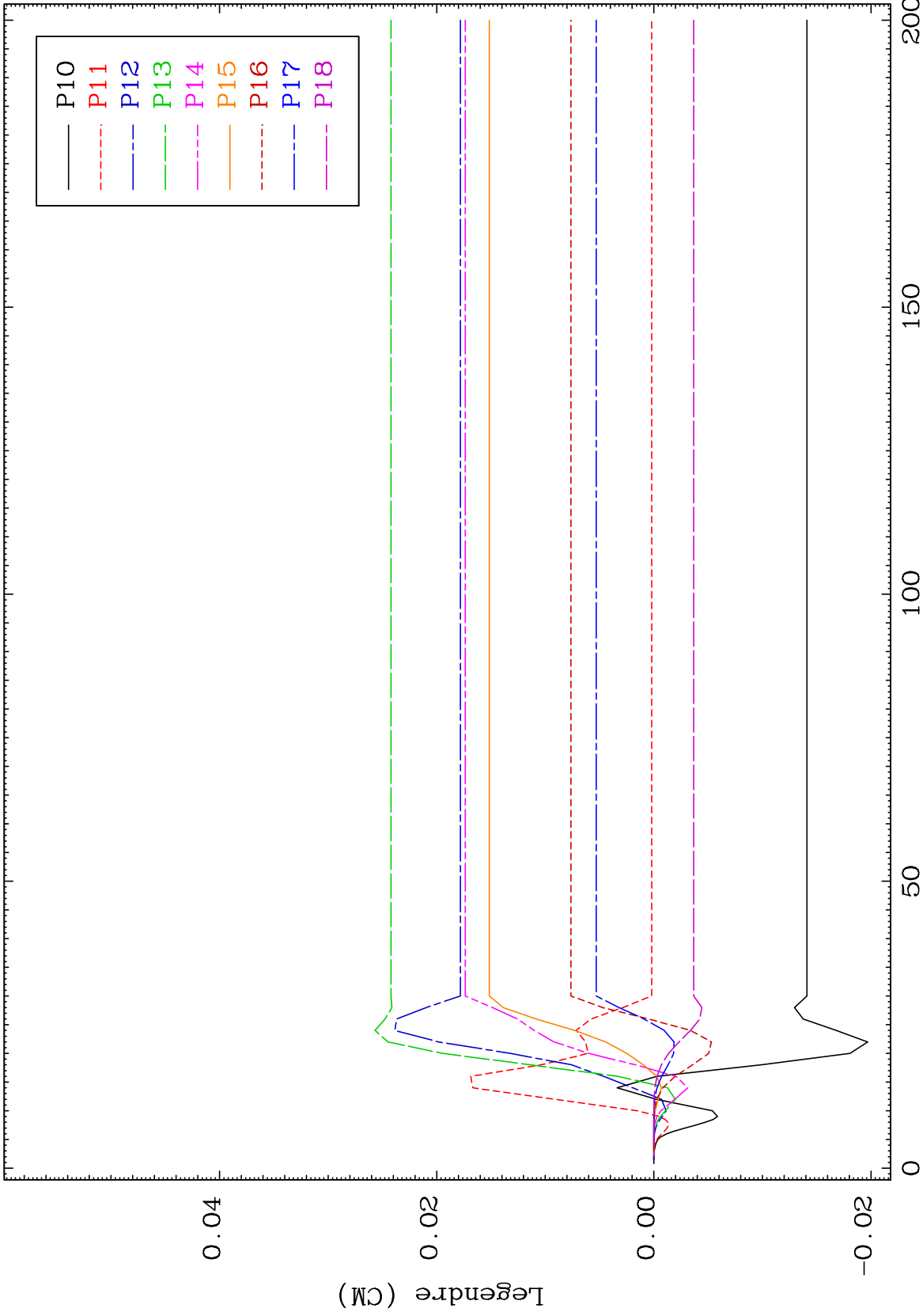
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



58

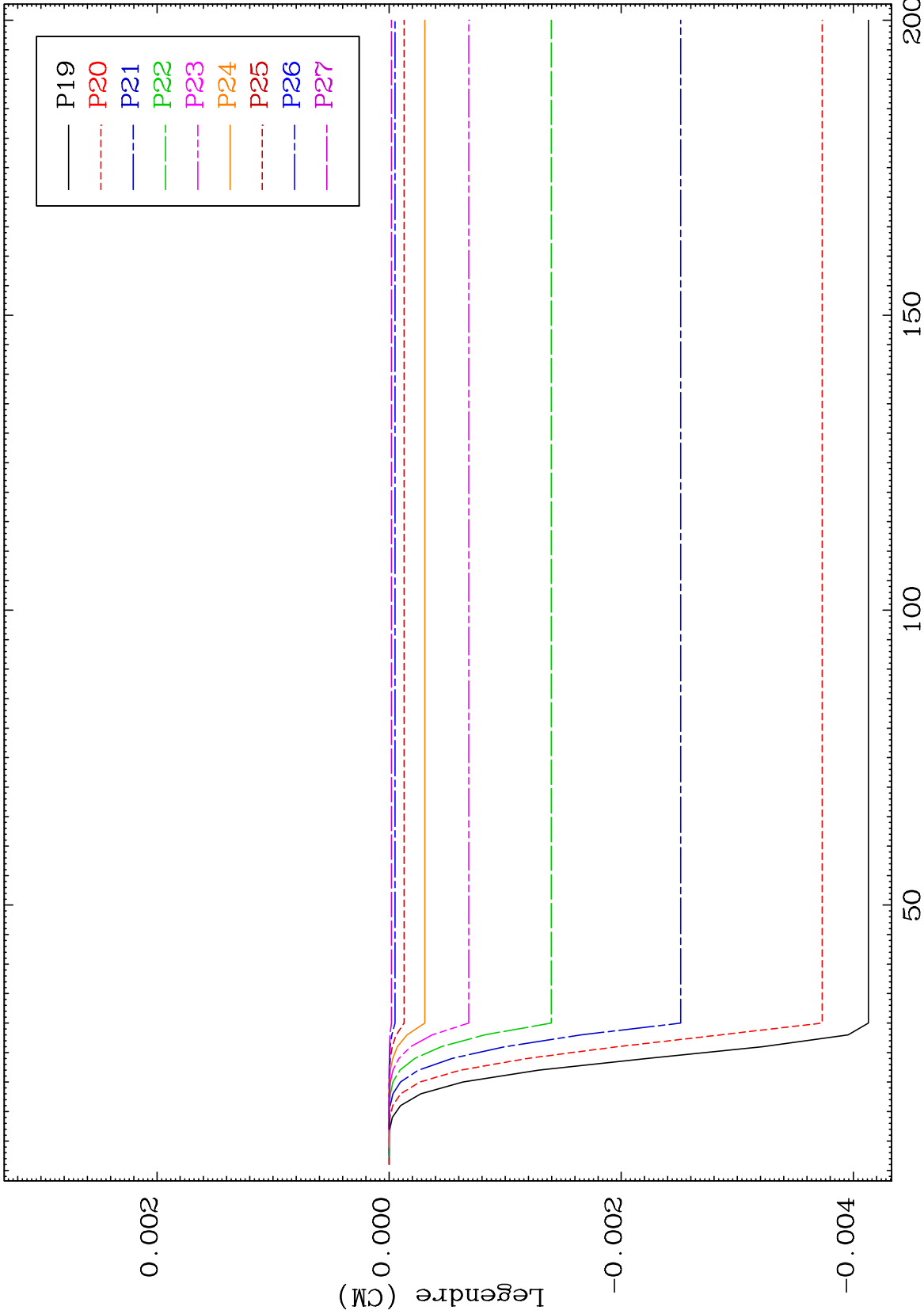
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



59

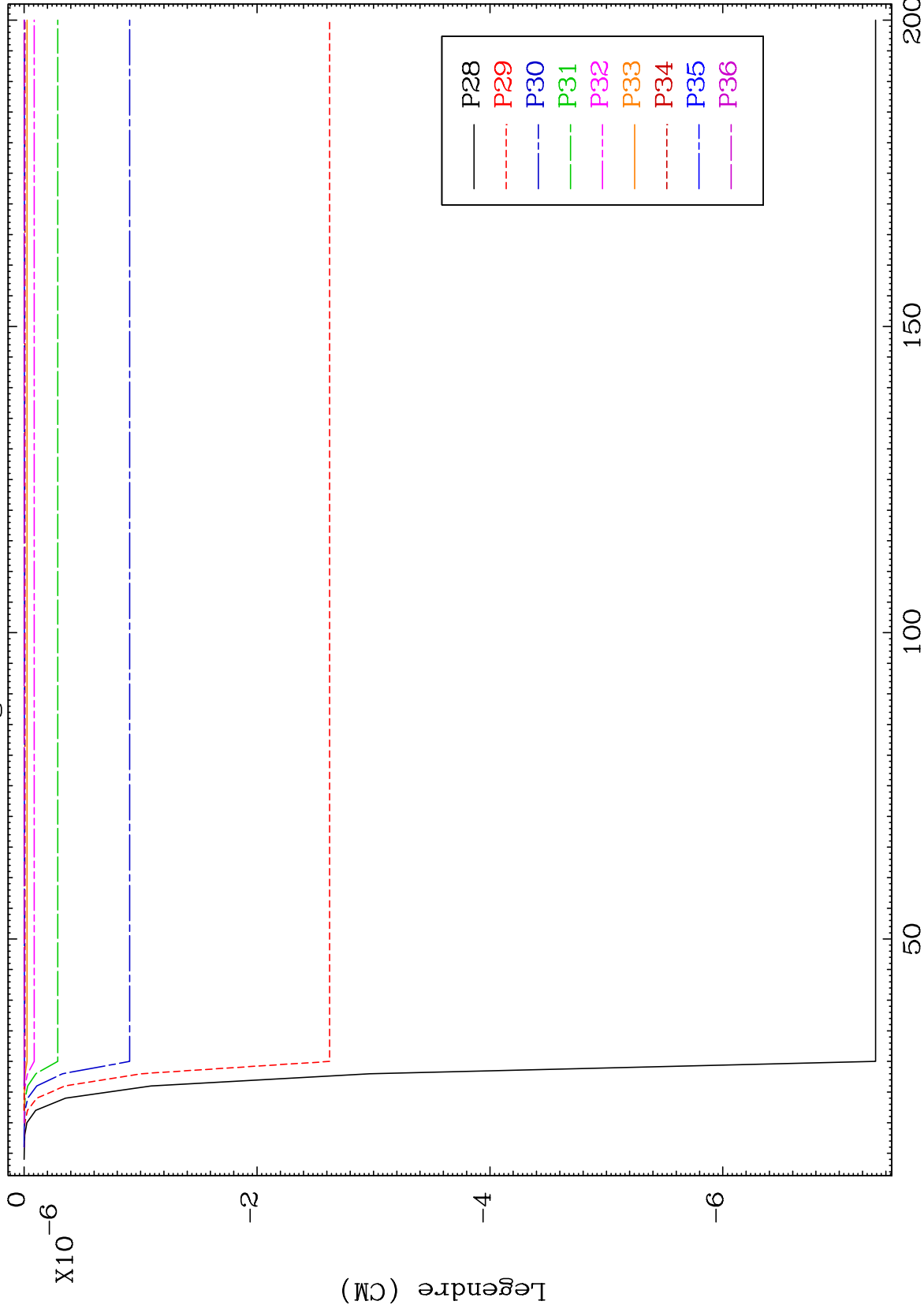
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



61-Pm-146

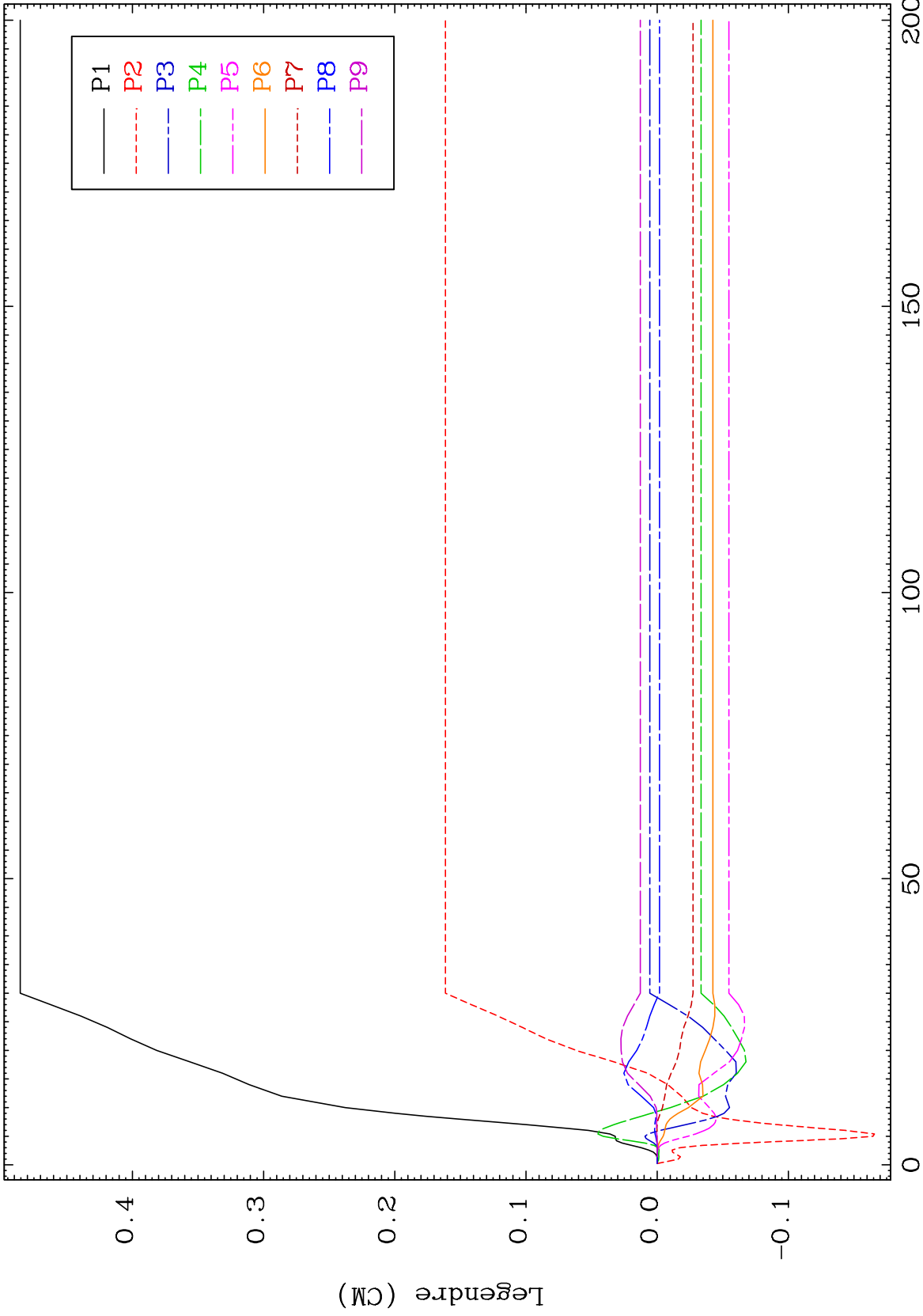
Incident Energy (MeV)

60

MAT 6146

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

61-Pm-146



61

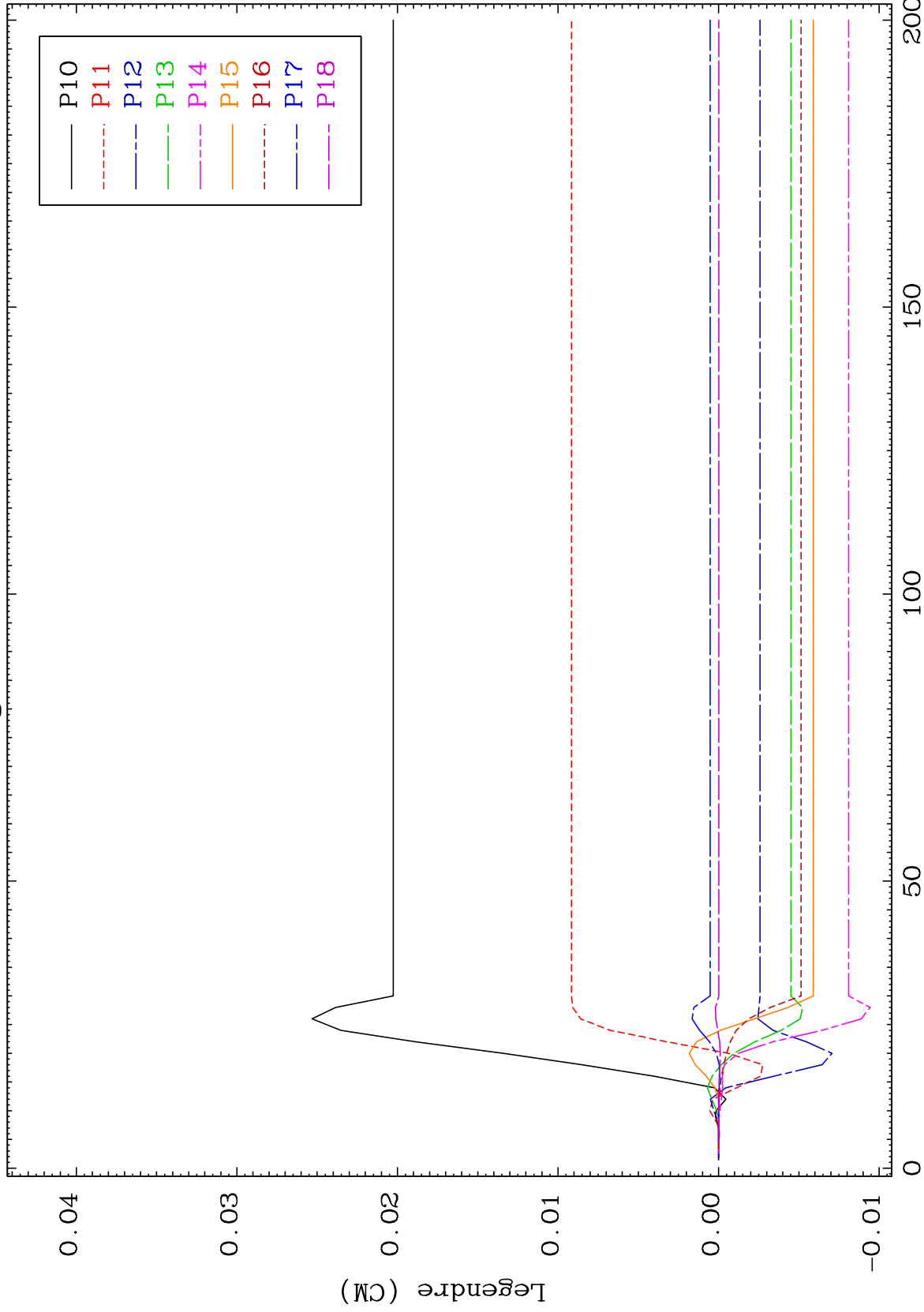
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



62

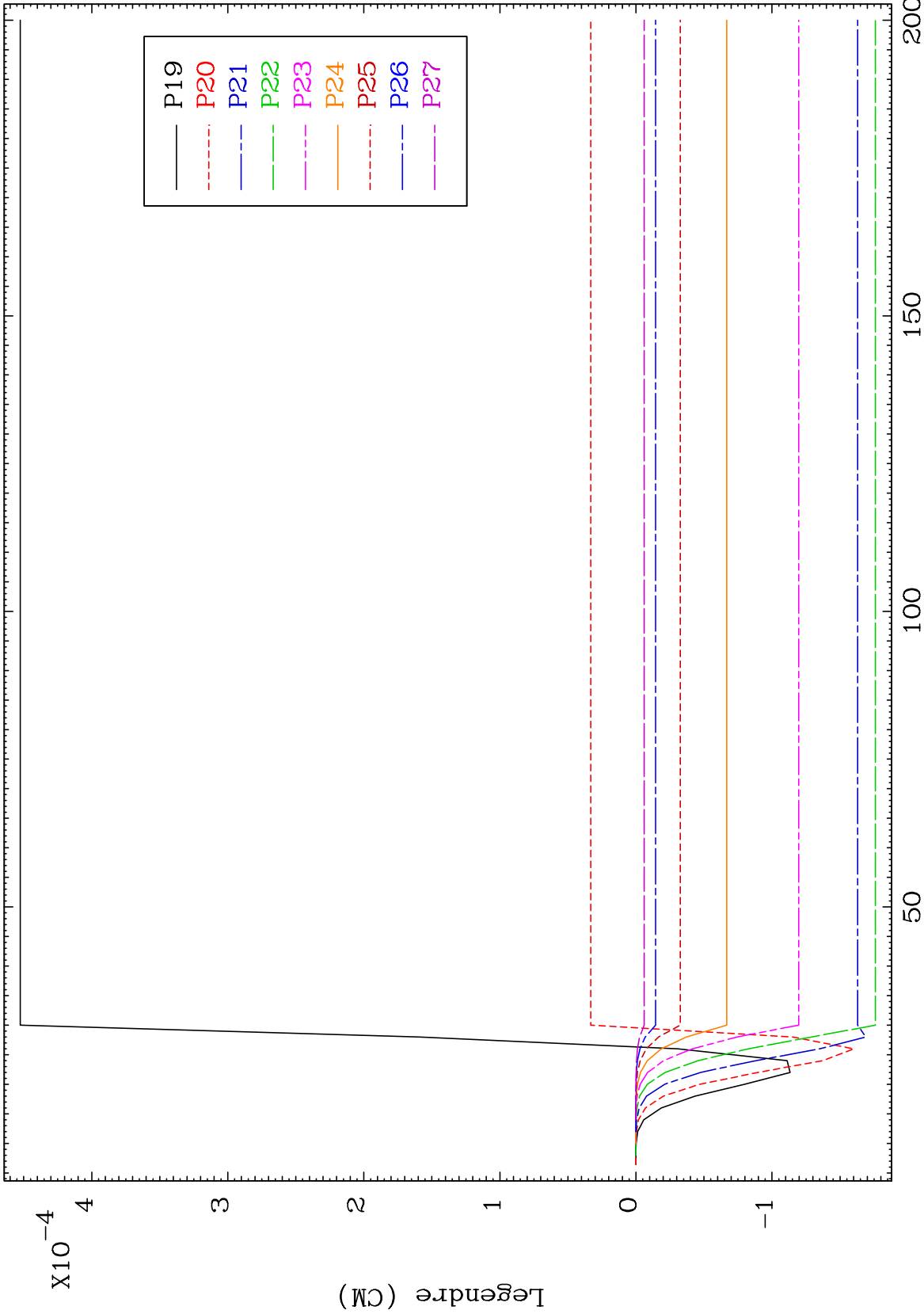
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



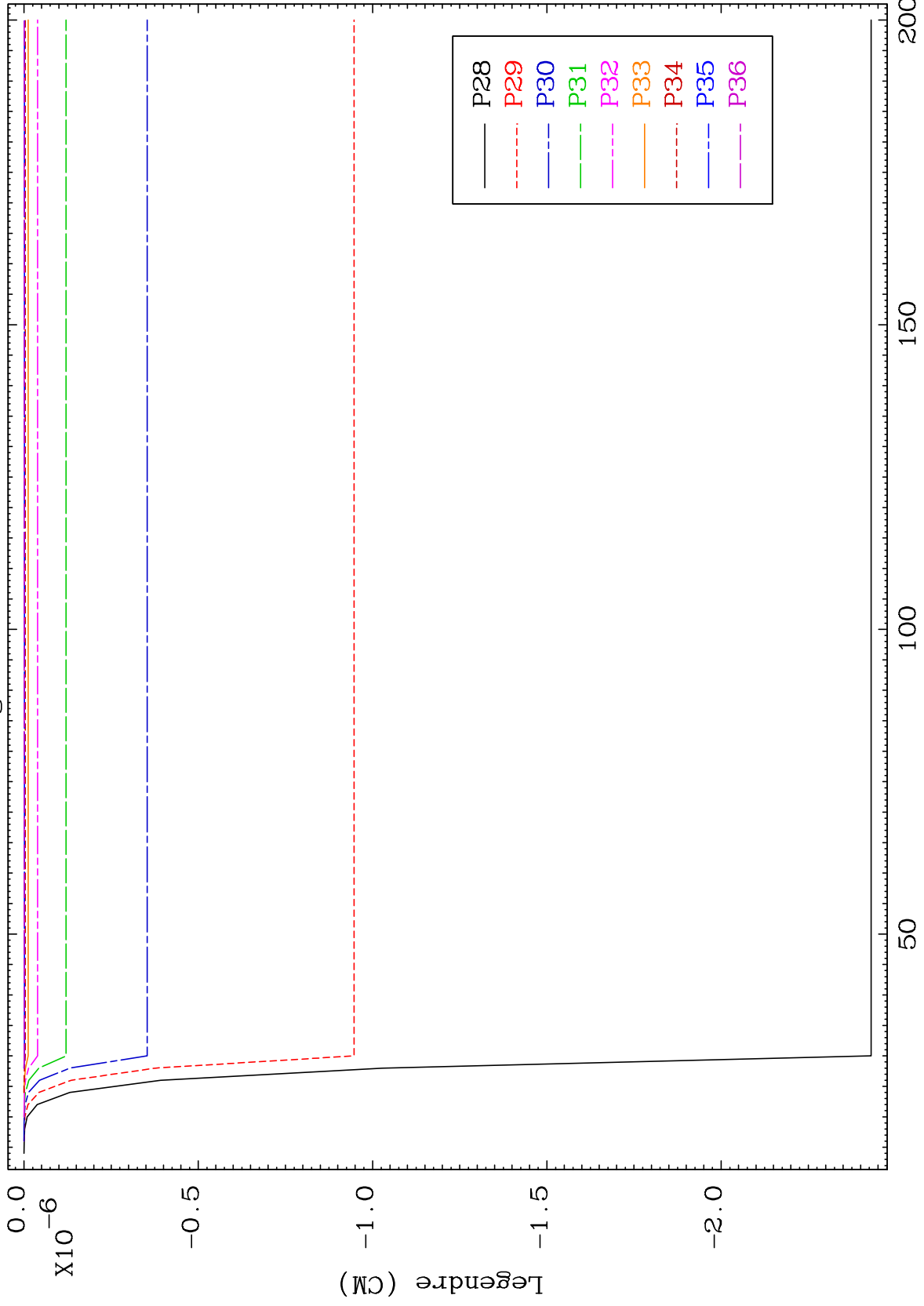
63

61-Pm-146

MAT 6146

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

61-Pm-146



61-Pm-146

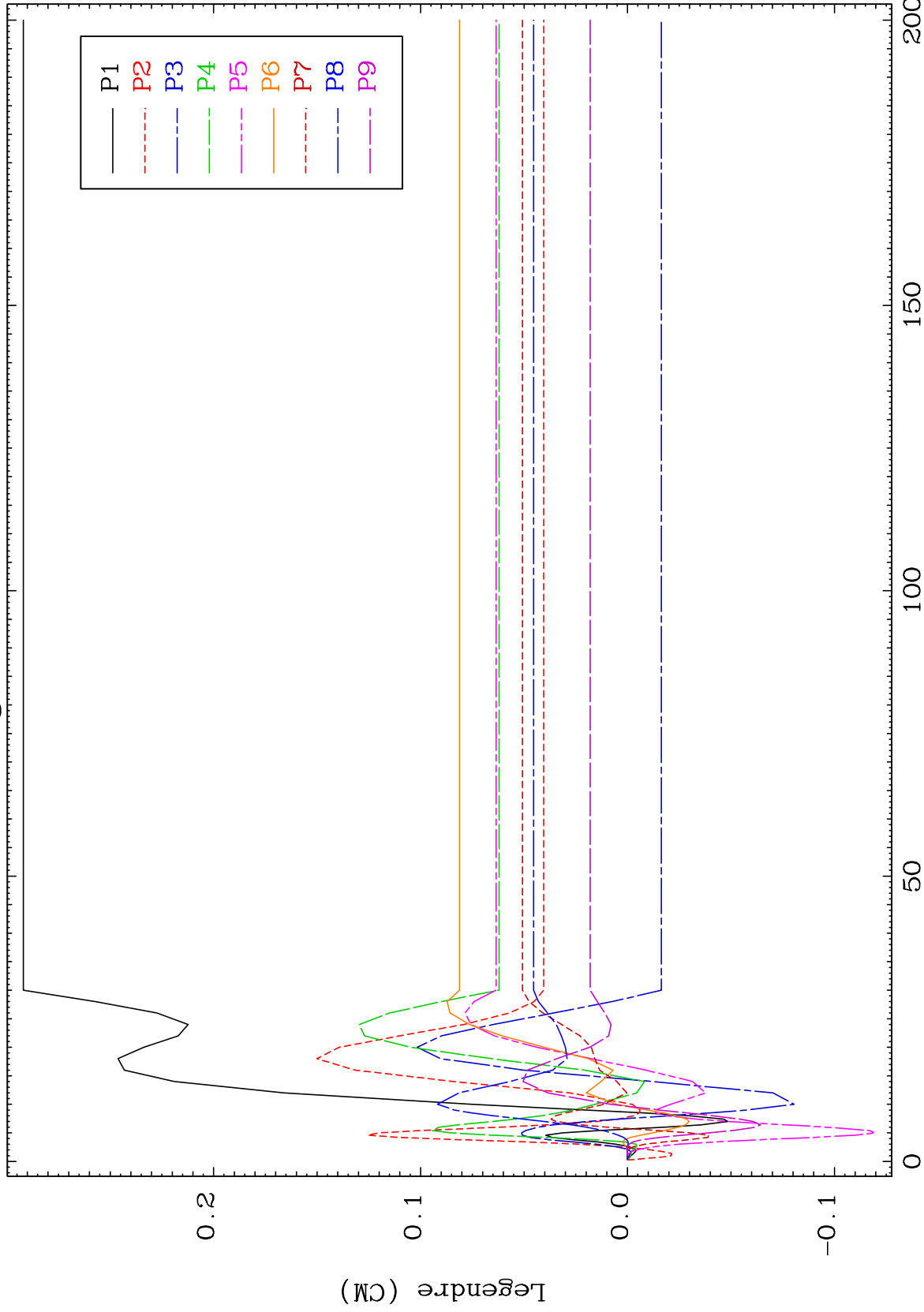
Incident Energy (MeV)

64

MAT 6146

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

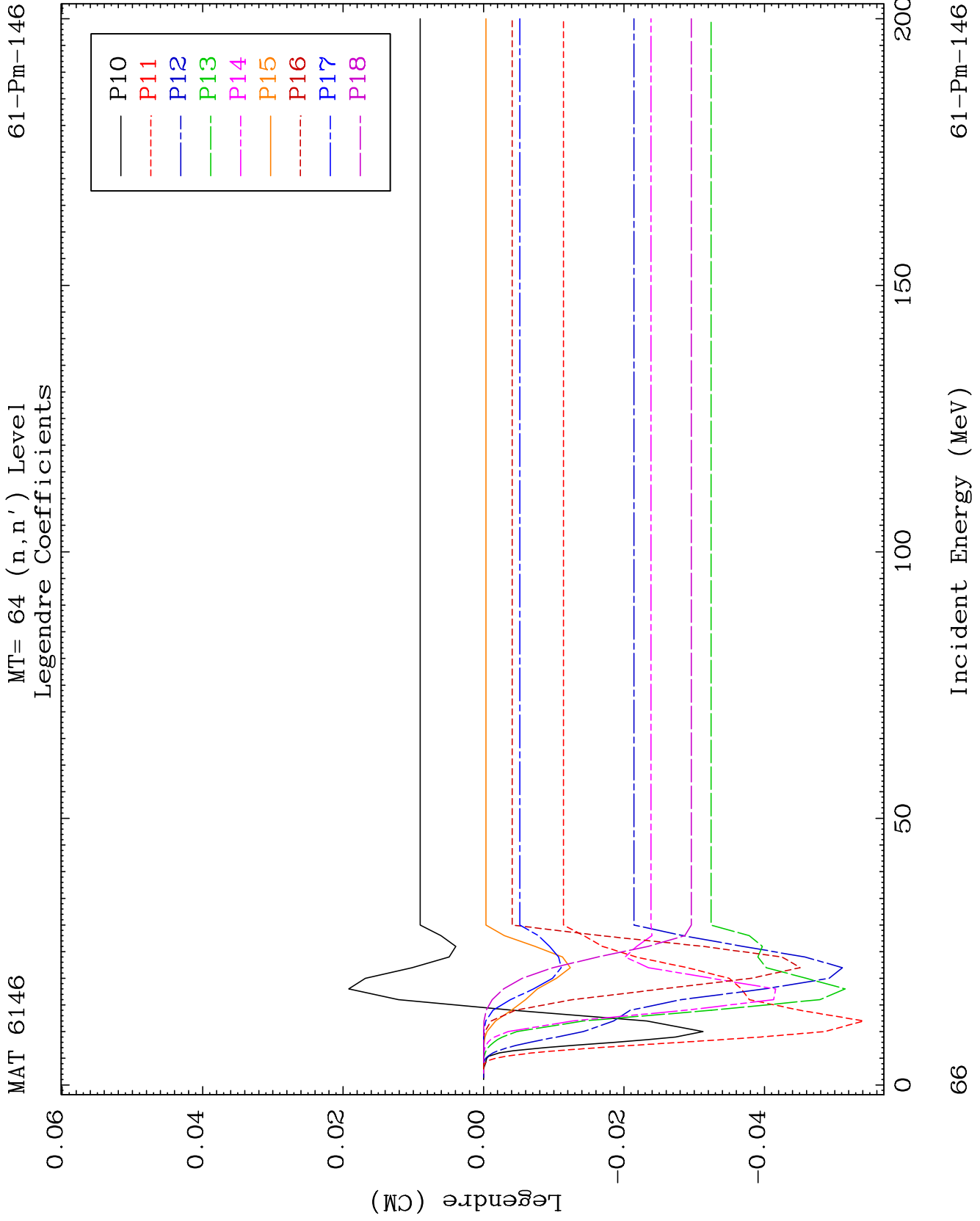
61-Pm-146



65

Incident Energy (MeV)

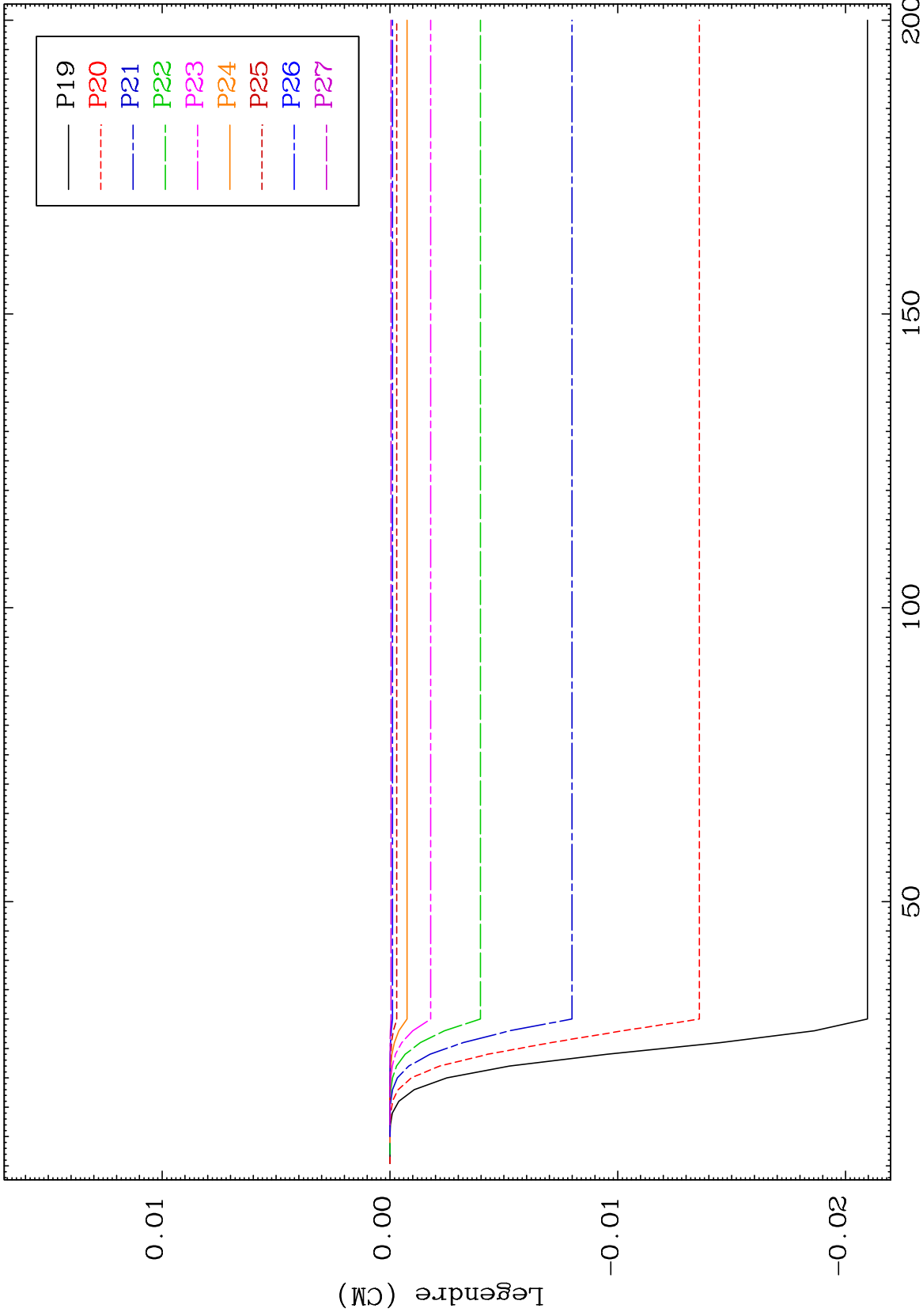
61-Pm-146



MAT 6146

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

61-Pm-146



67

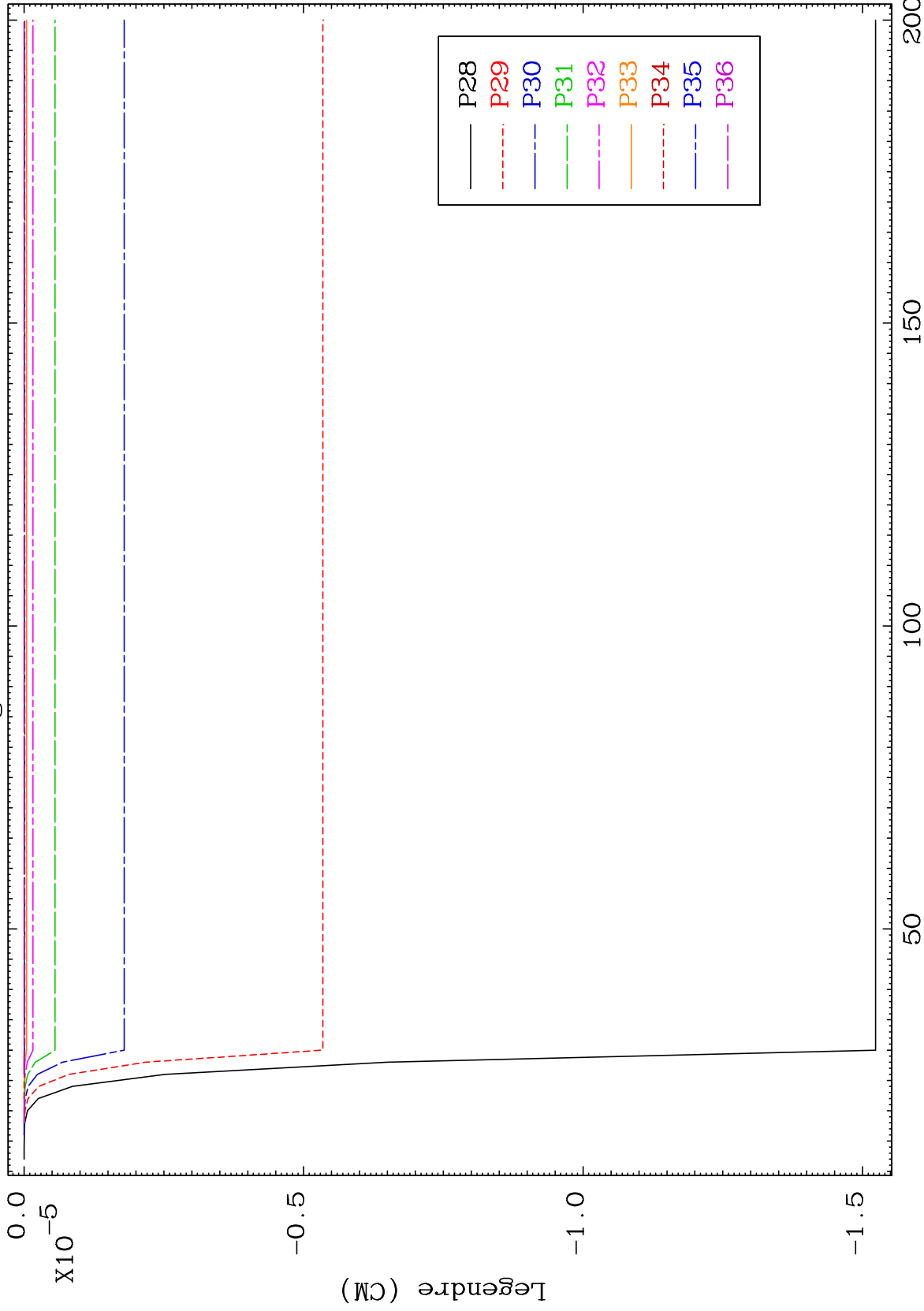
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



68

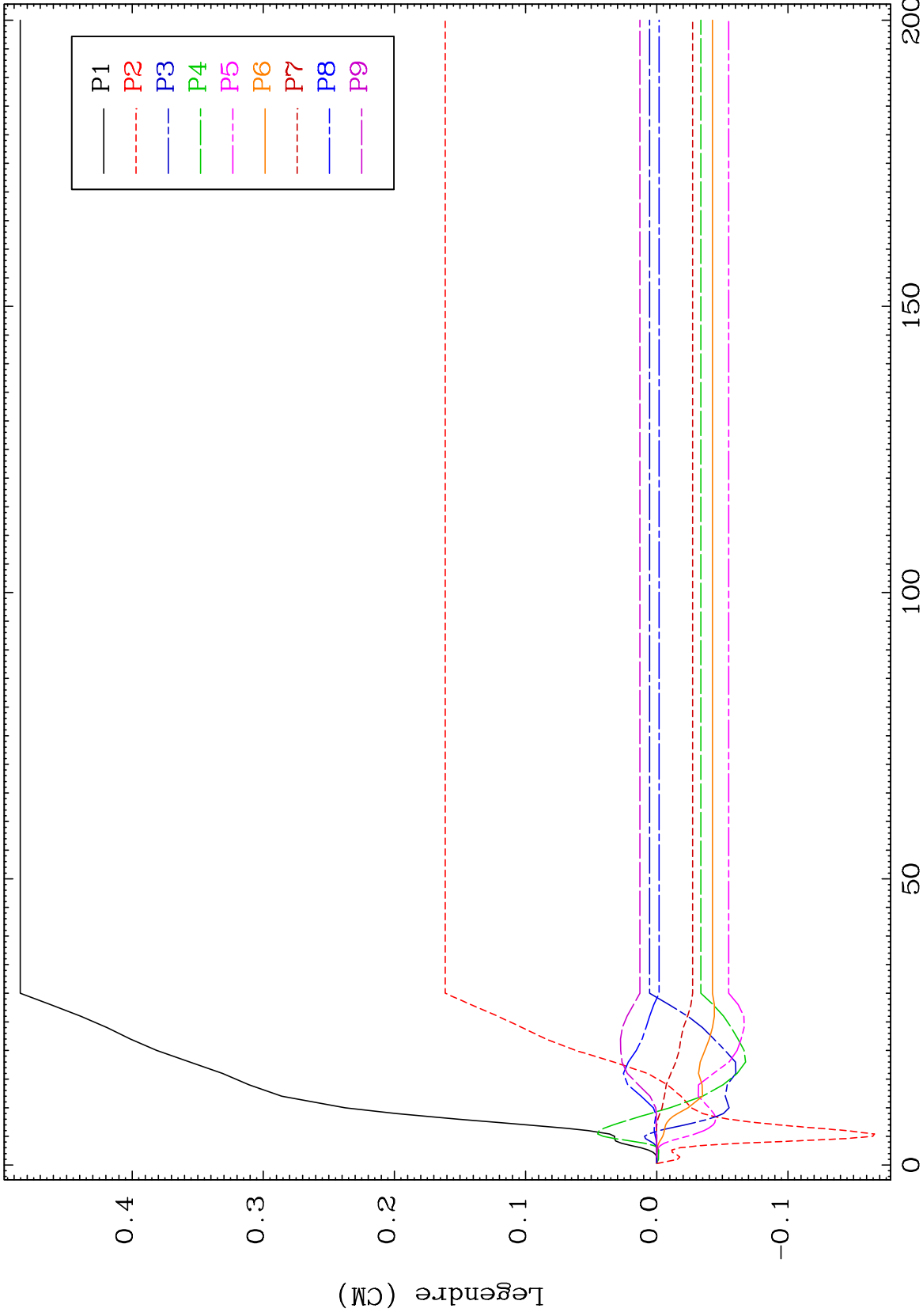
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



69

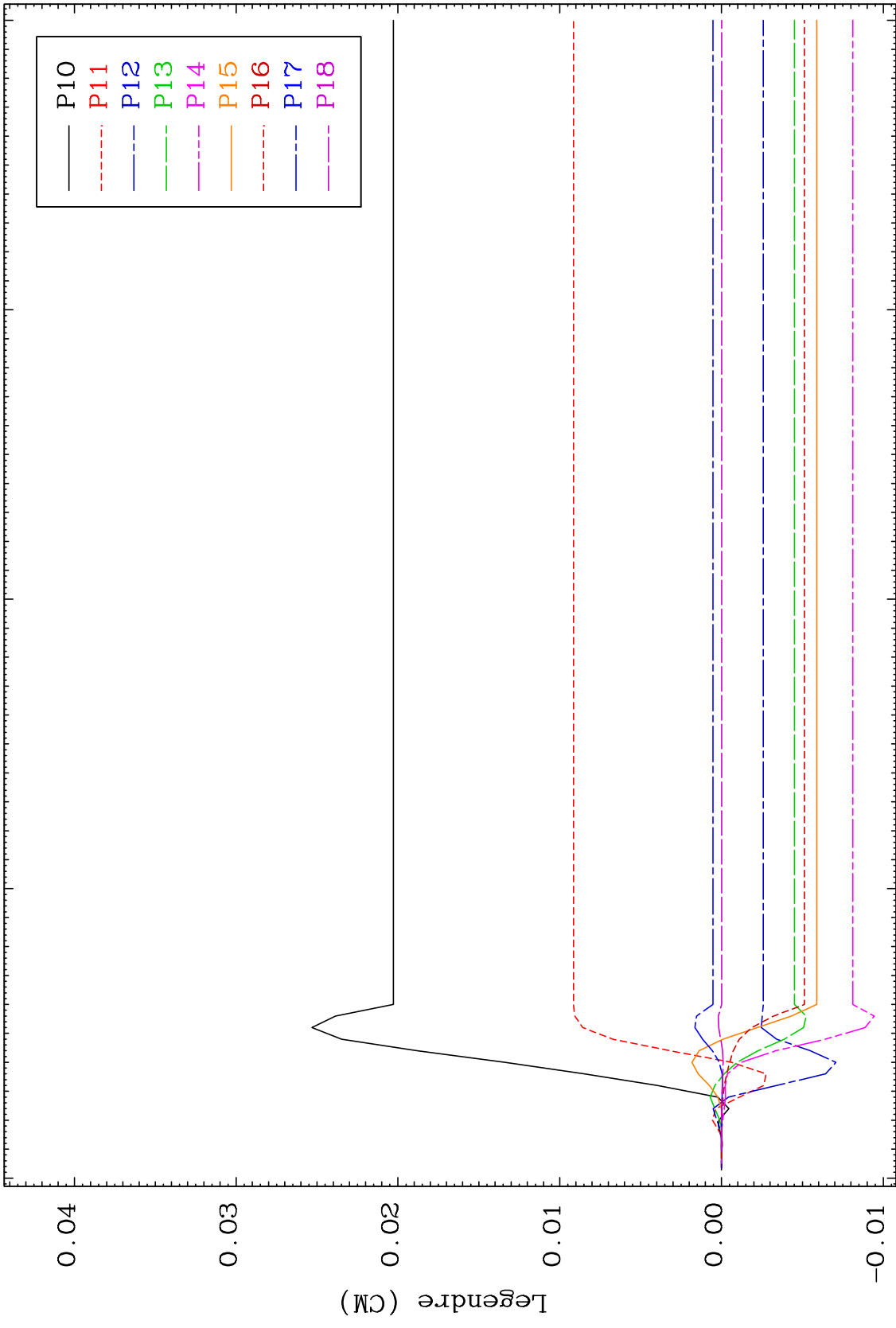
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



70

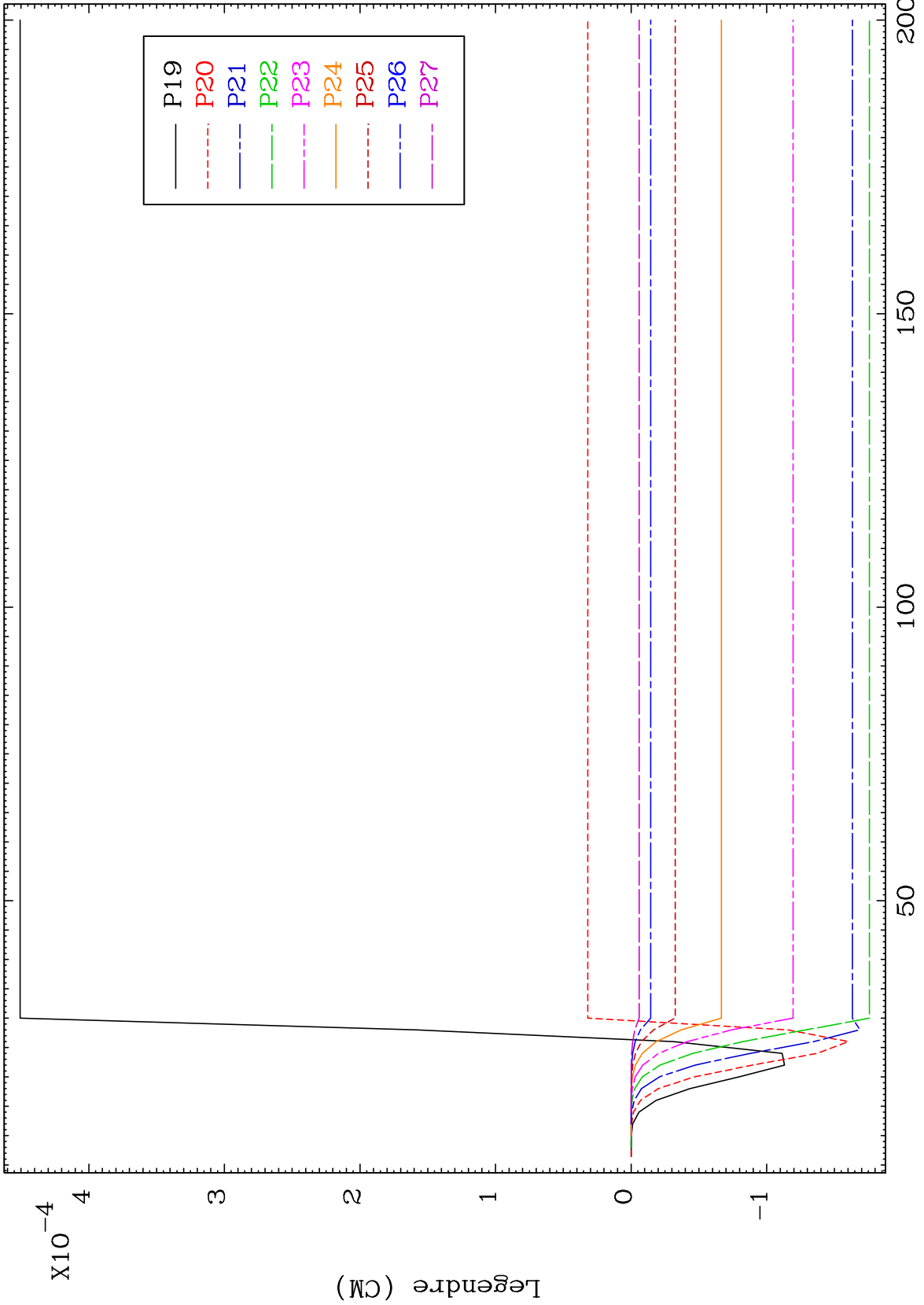
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



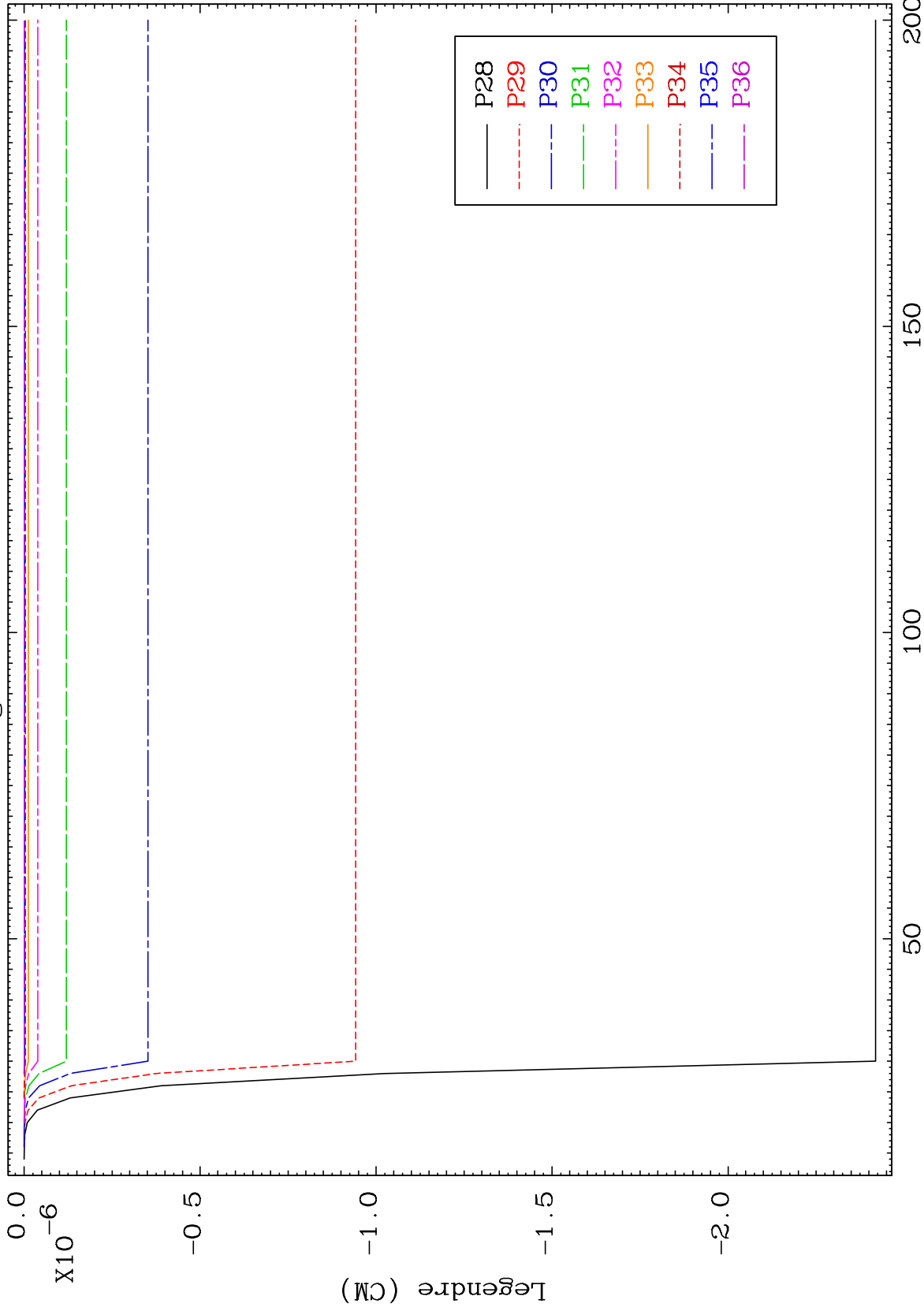
71

61-Pm-146

MAT 6146

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

61-Pm-146



61-Pm-146

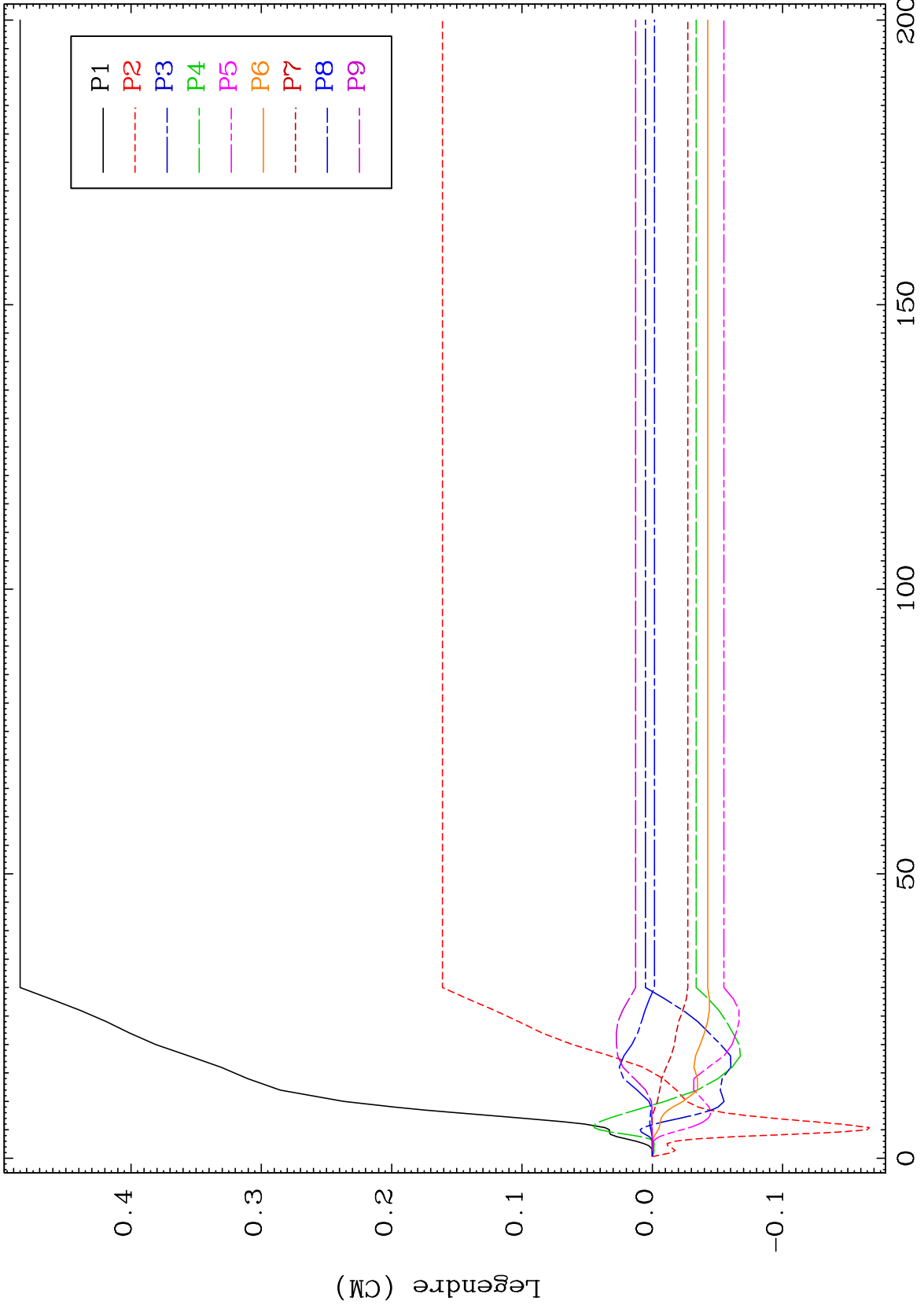
Incident Energy (MeV)

72

MAT 6146

MT= 66 (n,n') Level
Legendre Coefficients

61-Pm-146



73

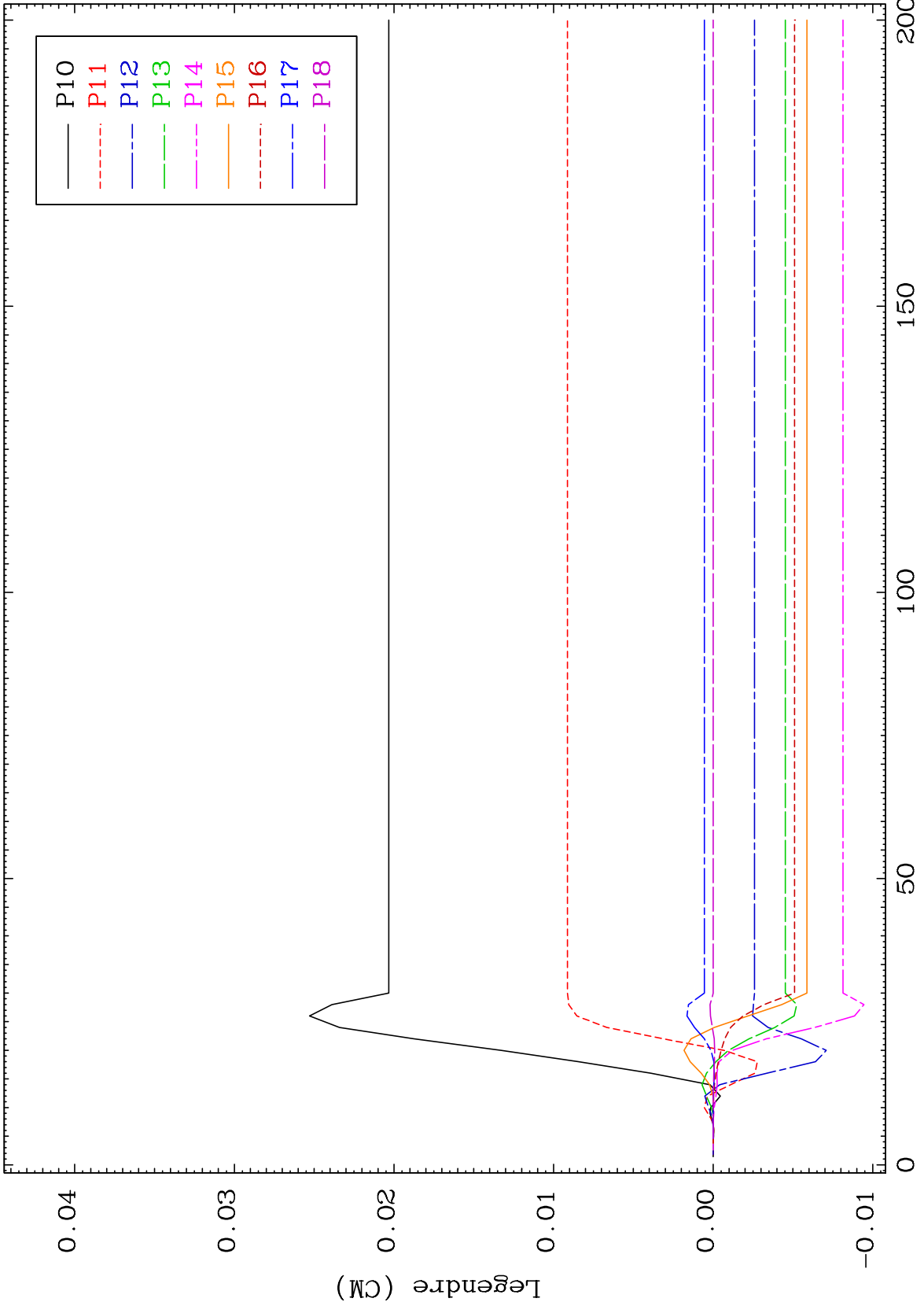
Incident Energy (MeV)

61-Pm-146

MAT 6146

MT= 66 (n,n') Level
Legendre Coefficients

61-Pm-146



74

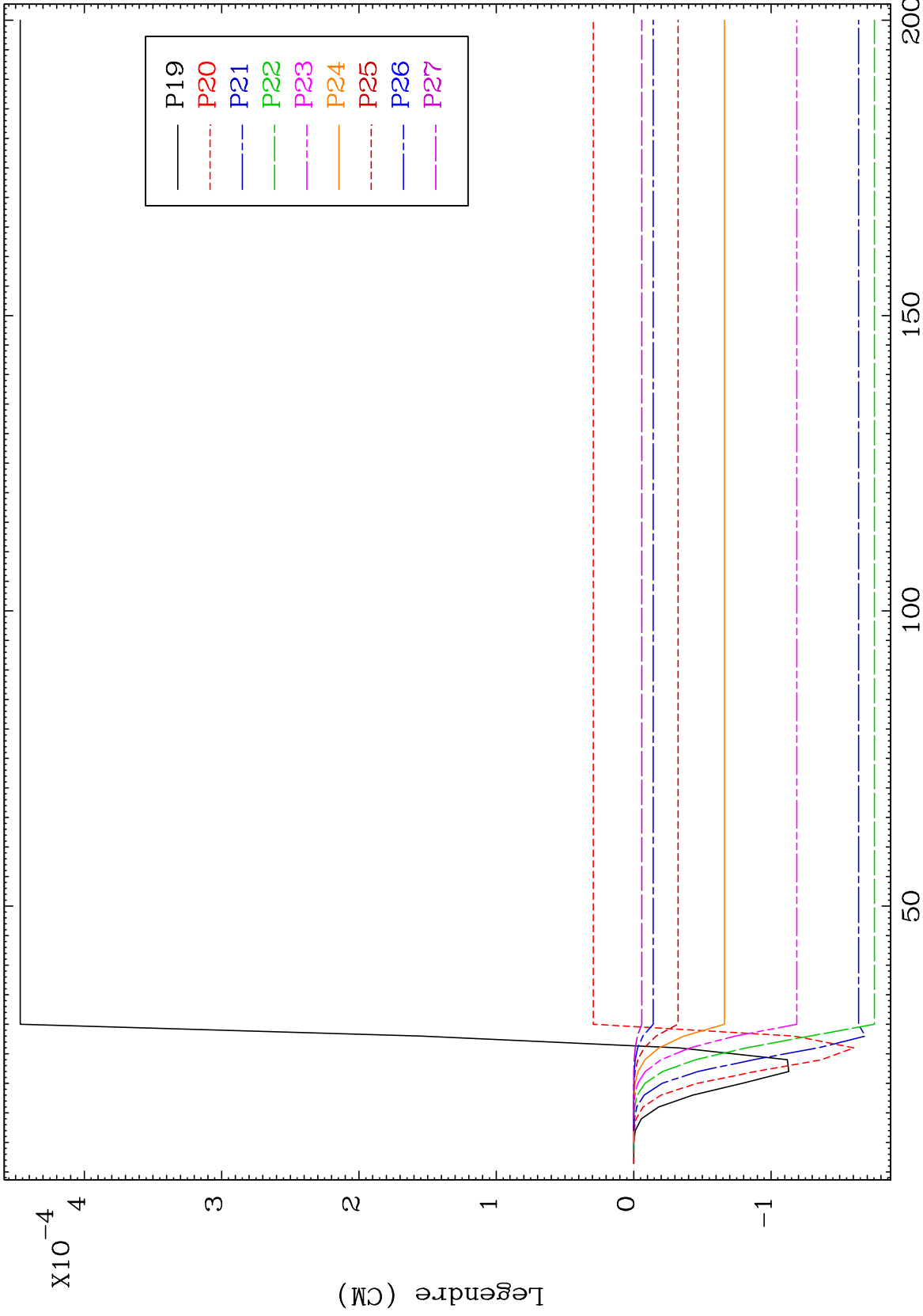
Incident Energy (MeV)

61-Pm-146

MAT 6146

MT= 66 (n,n') Level
Legendre Coefficients

61-Pm-146



75

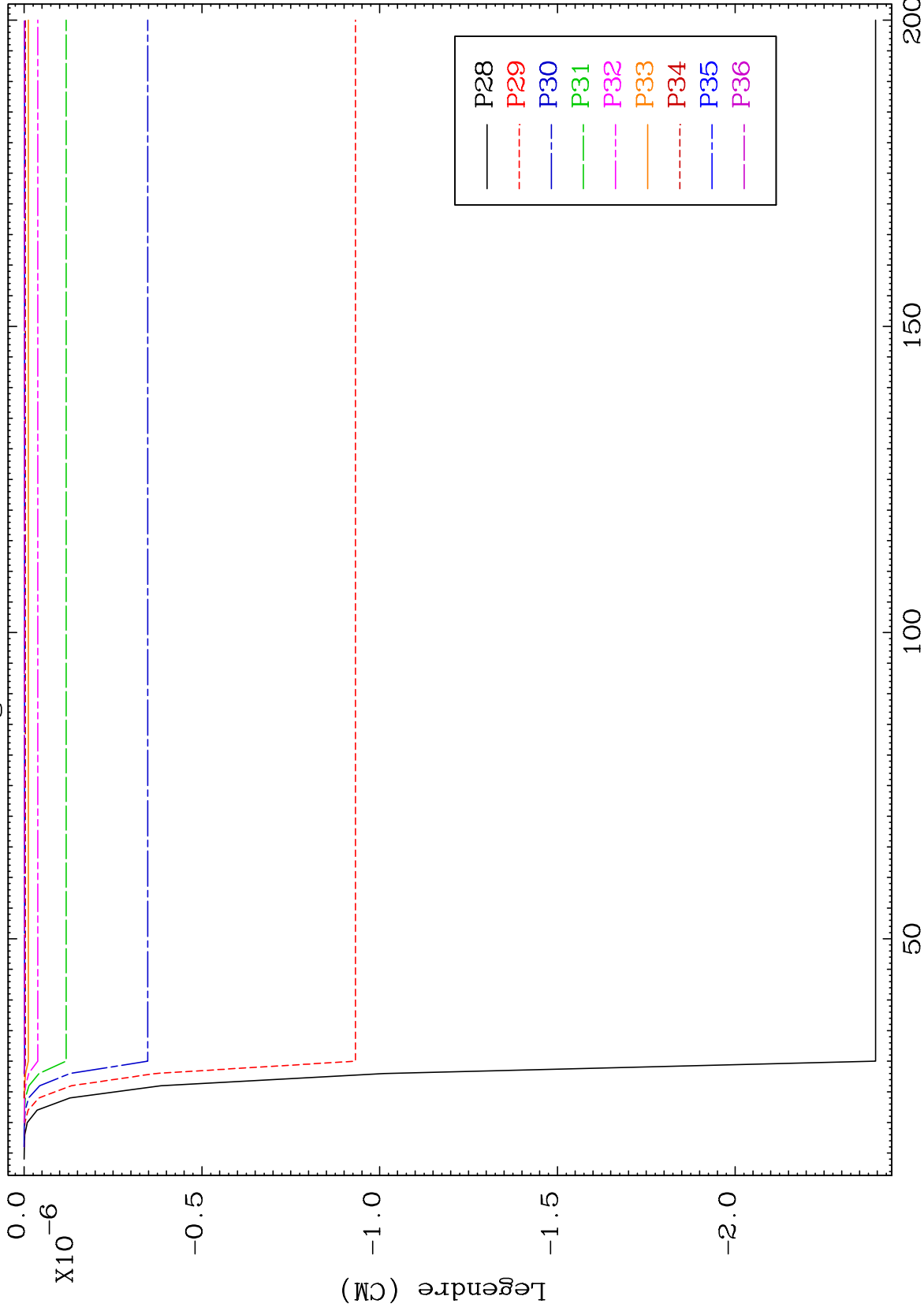
Incident Energy (MeV)

61-Pm-146

MAT 6146

MT= 66 (n,n') Level
Legendre Coefficients

61-Pm-146

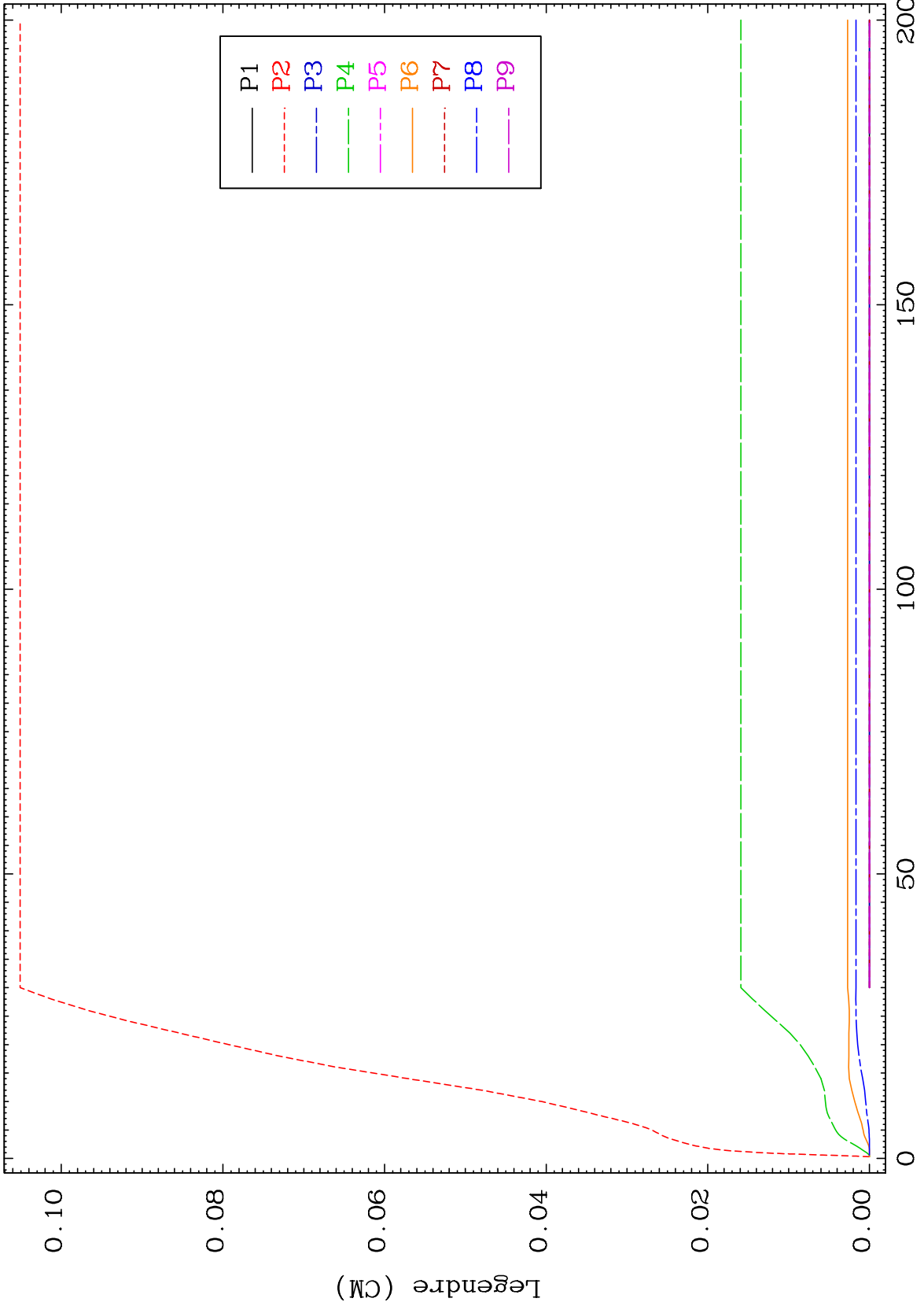


61-Pm-146

Incident Energy (MeV)

76

MAT 6146 MT= 67 (n,n') Level Legendre Coefficients 61-Pm-146

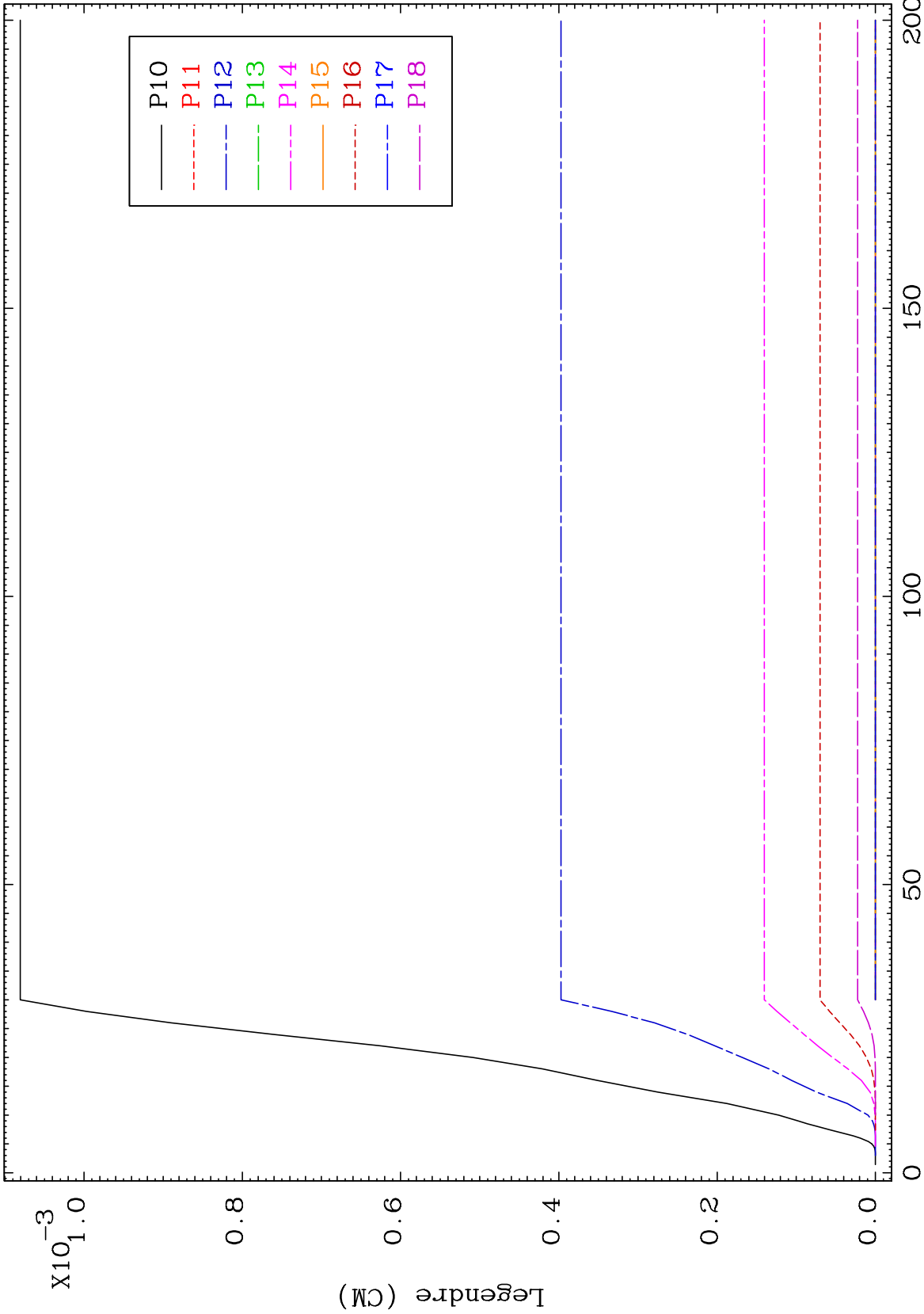


77 61-Pm-146

MAT 6146

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

61-Pm-146



78

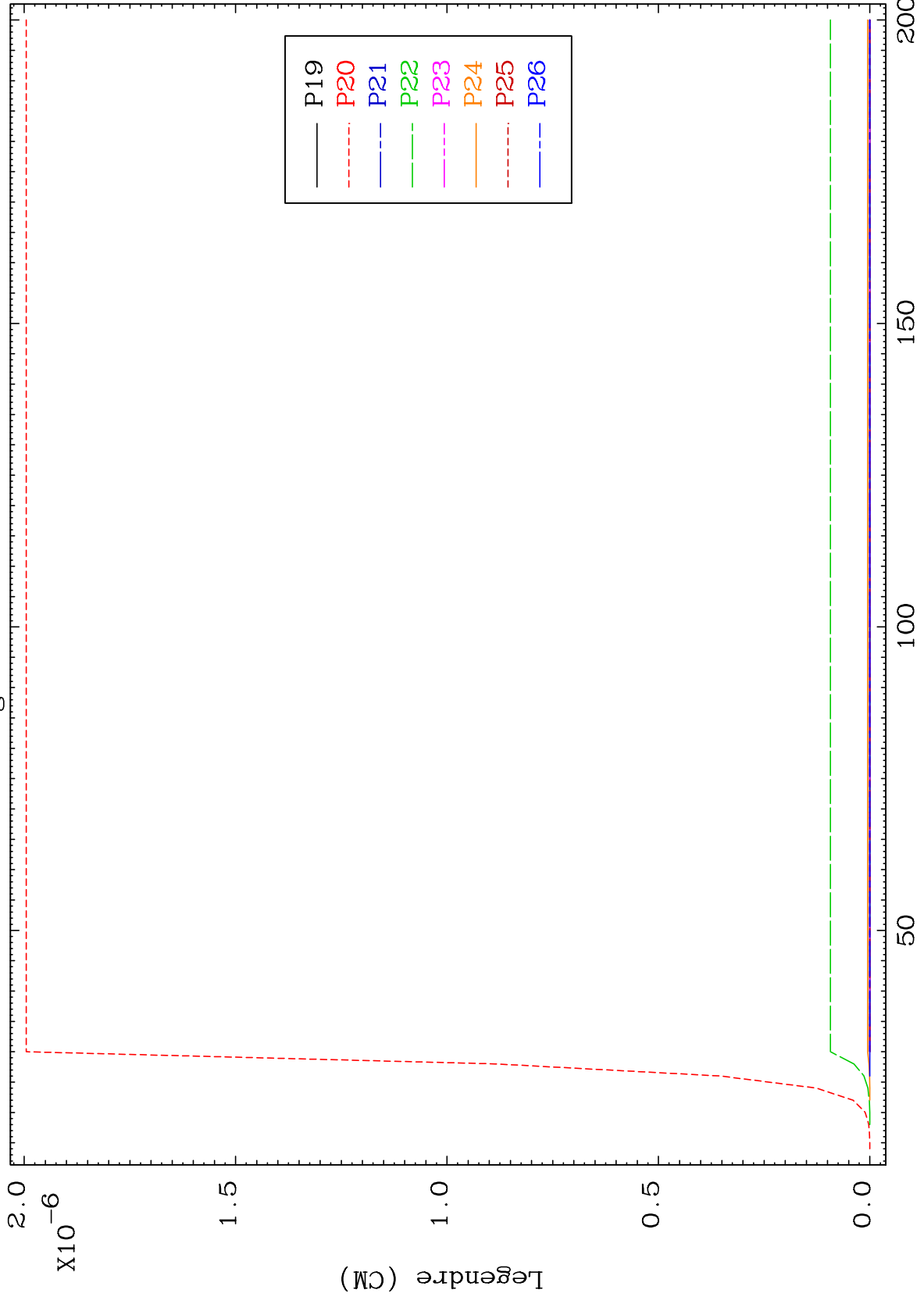
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



79

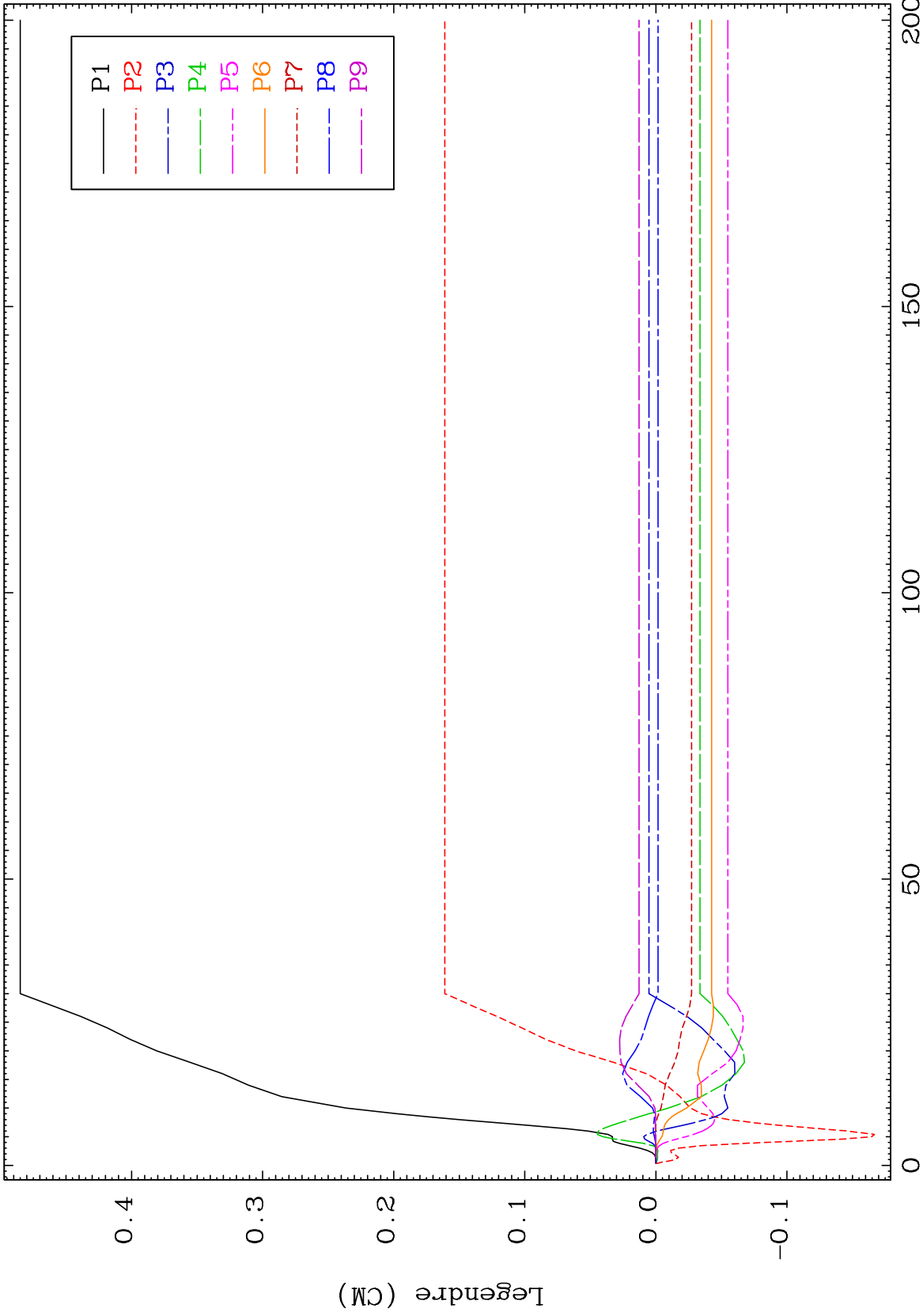
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



61-Pm-146

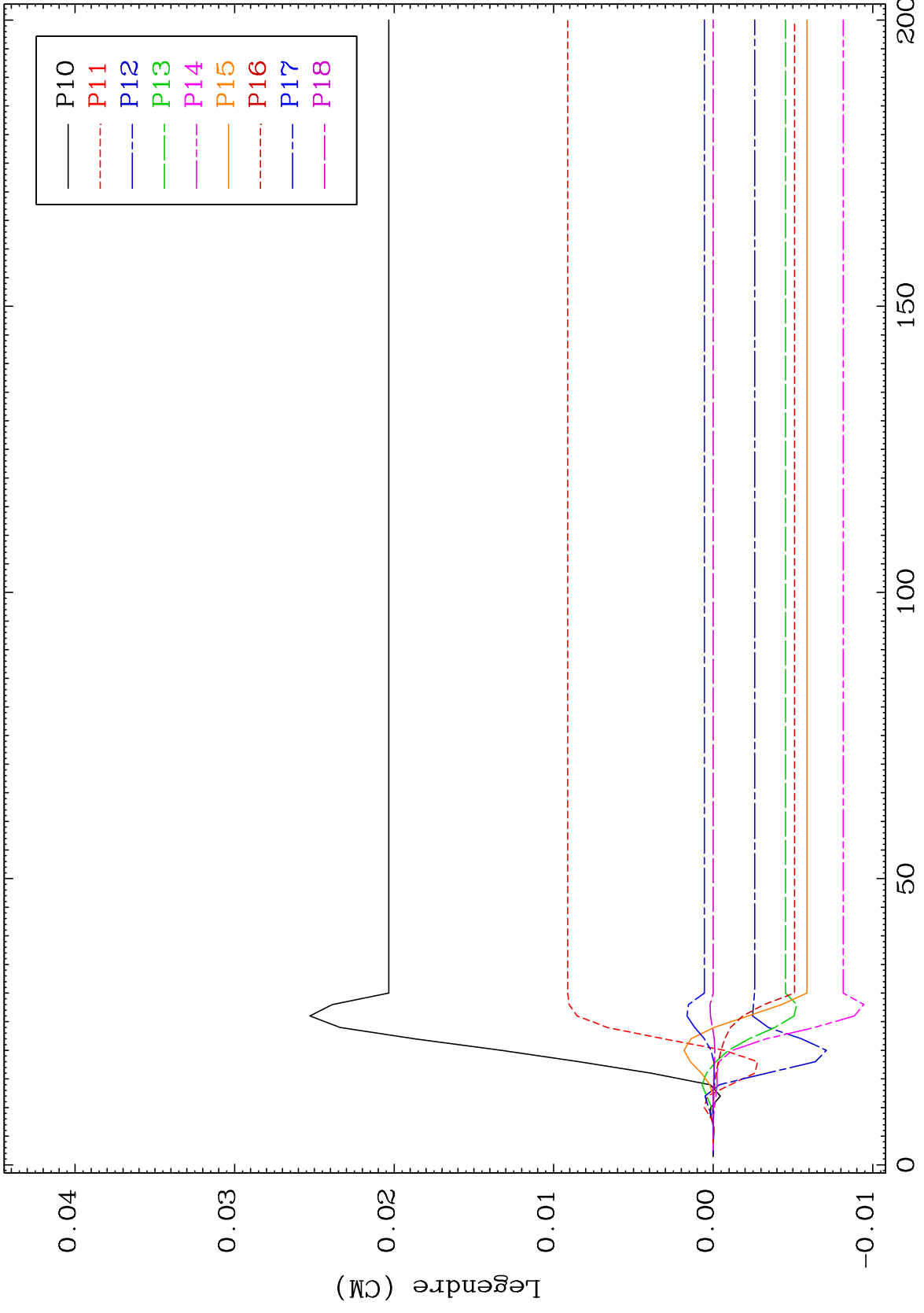
Incident Energy (MeV)

80

MAT 6146

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

61-Pm-146



81

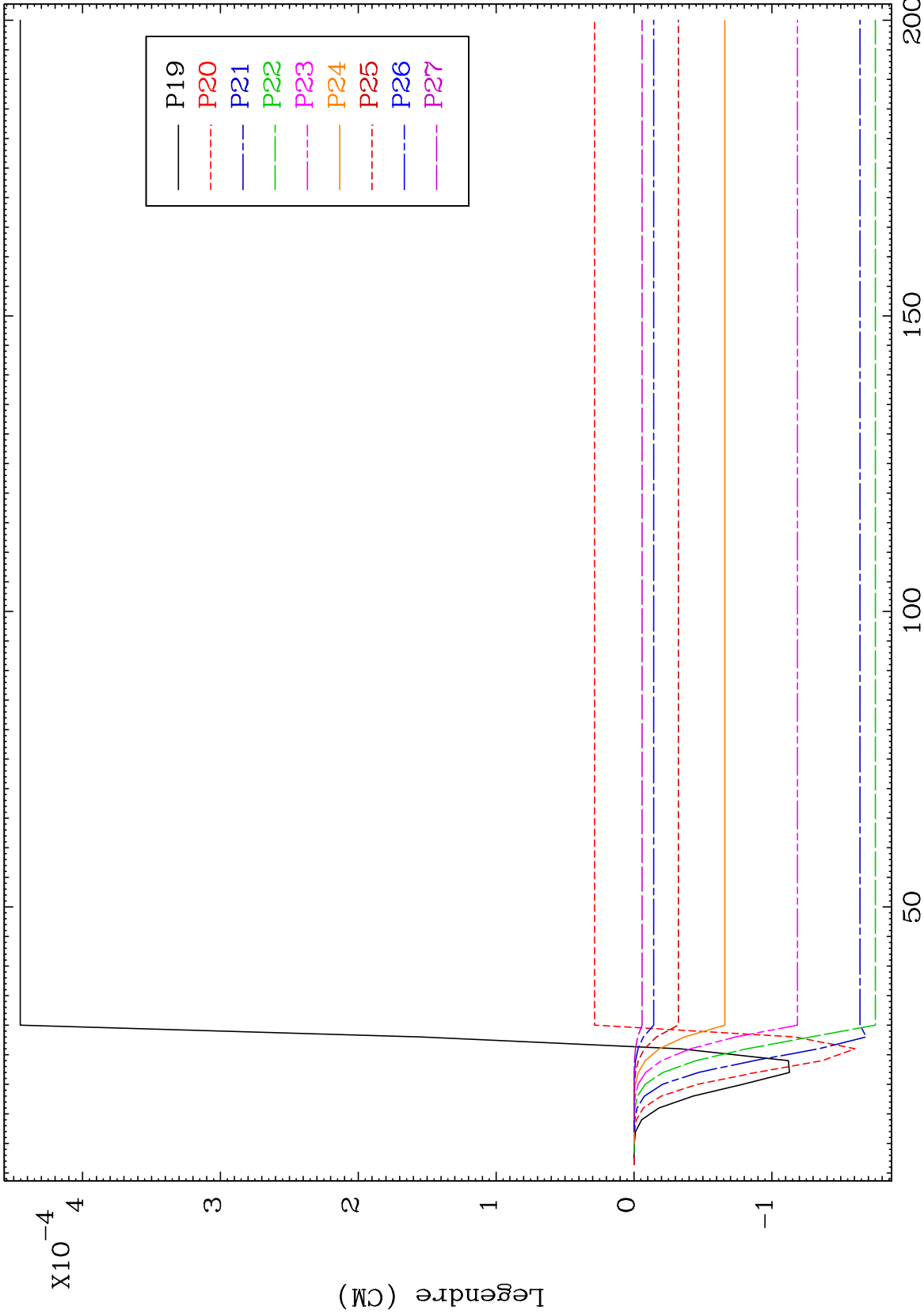
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



82

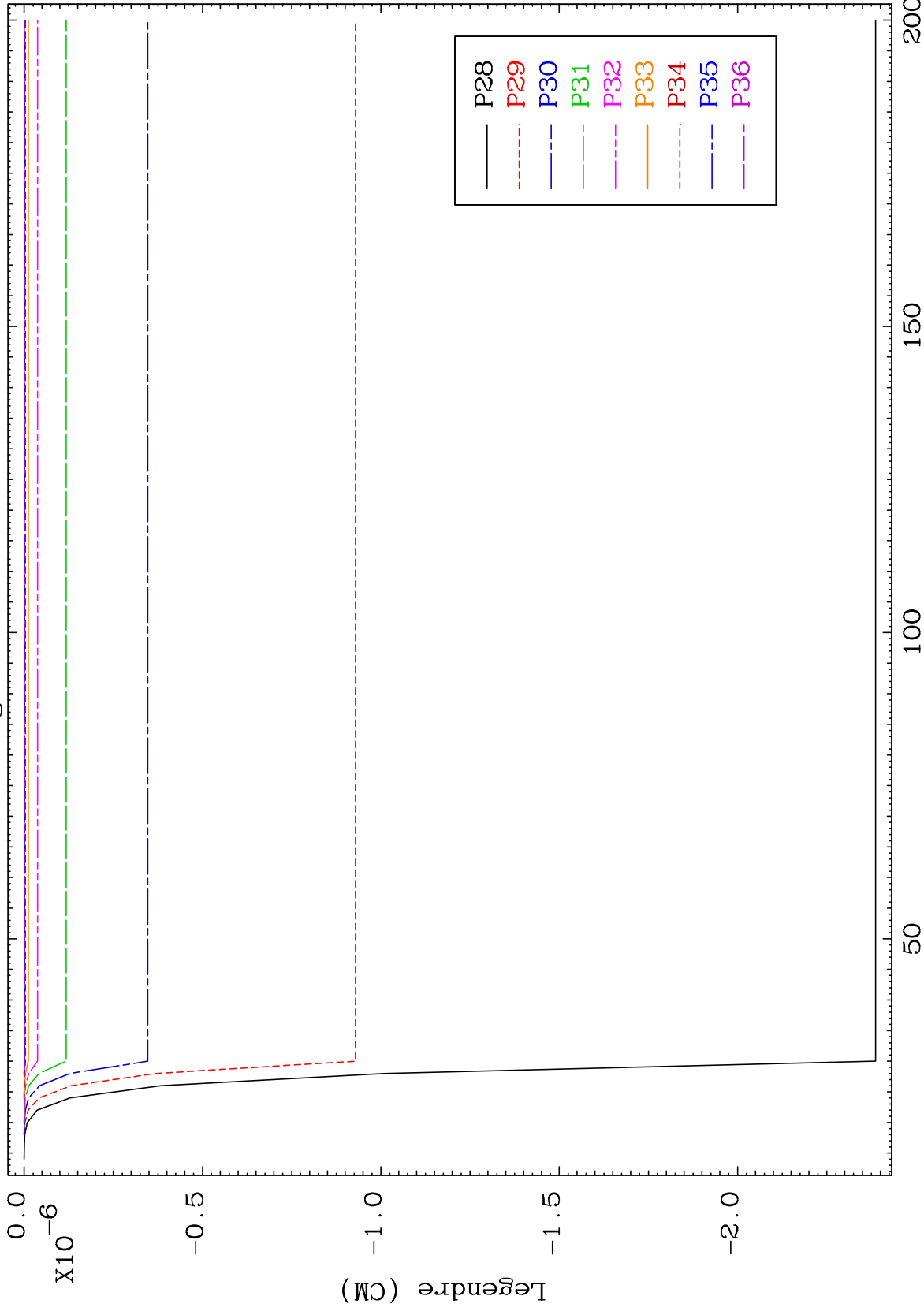
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146

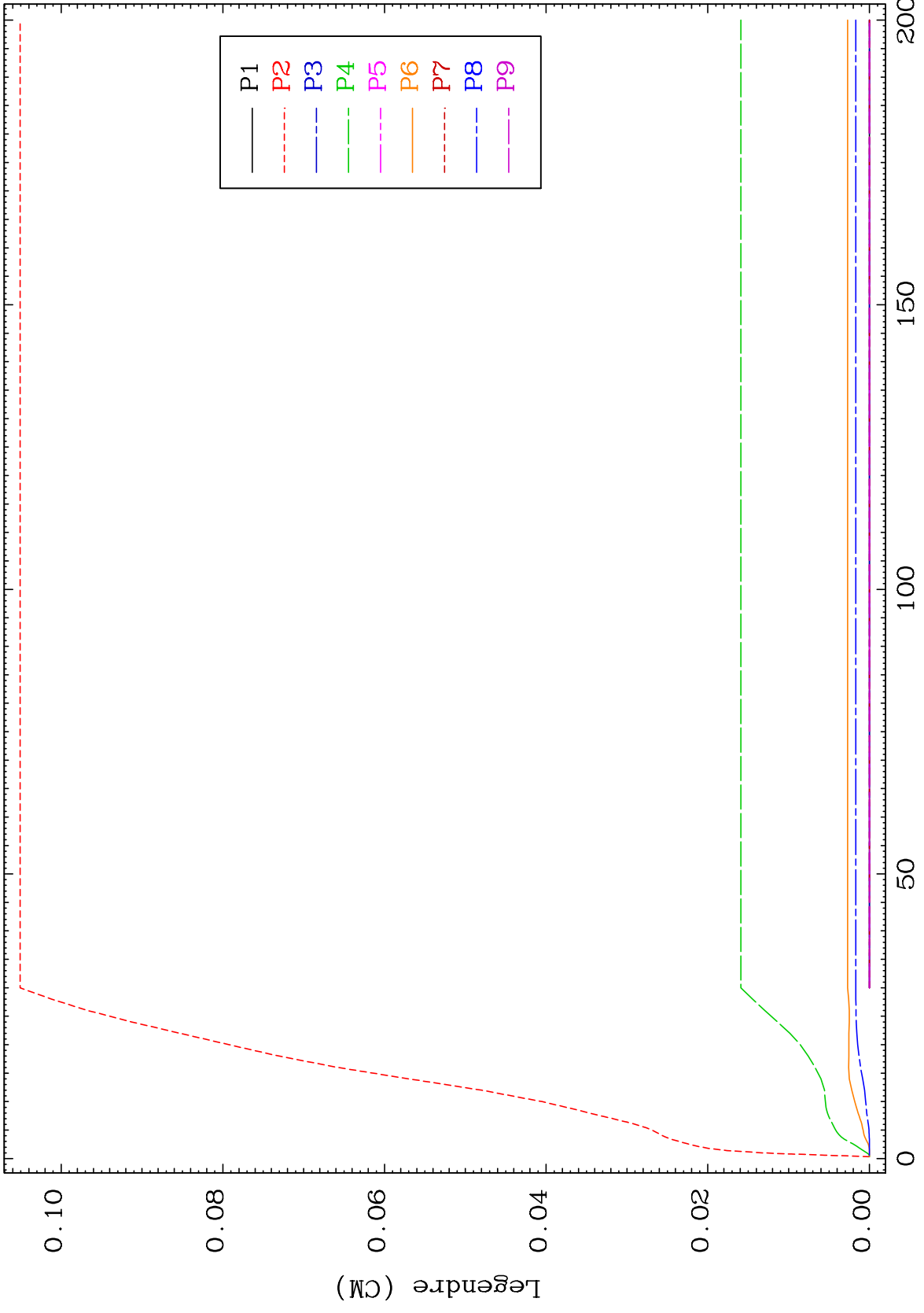


83

Incident Energy (MeV)

61-Pm-146

MAT 6146 MT= 69 (n,n') Level Legendre Coefficients 61-Pm-146

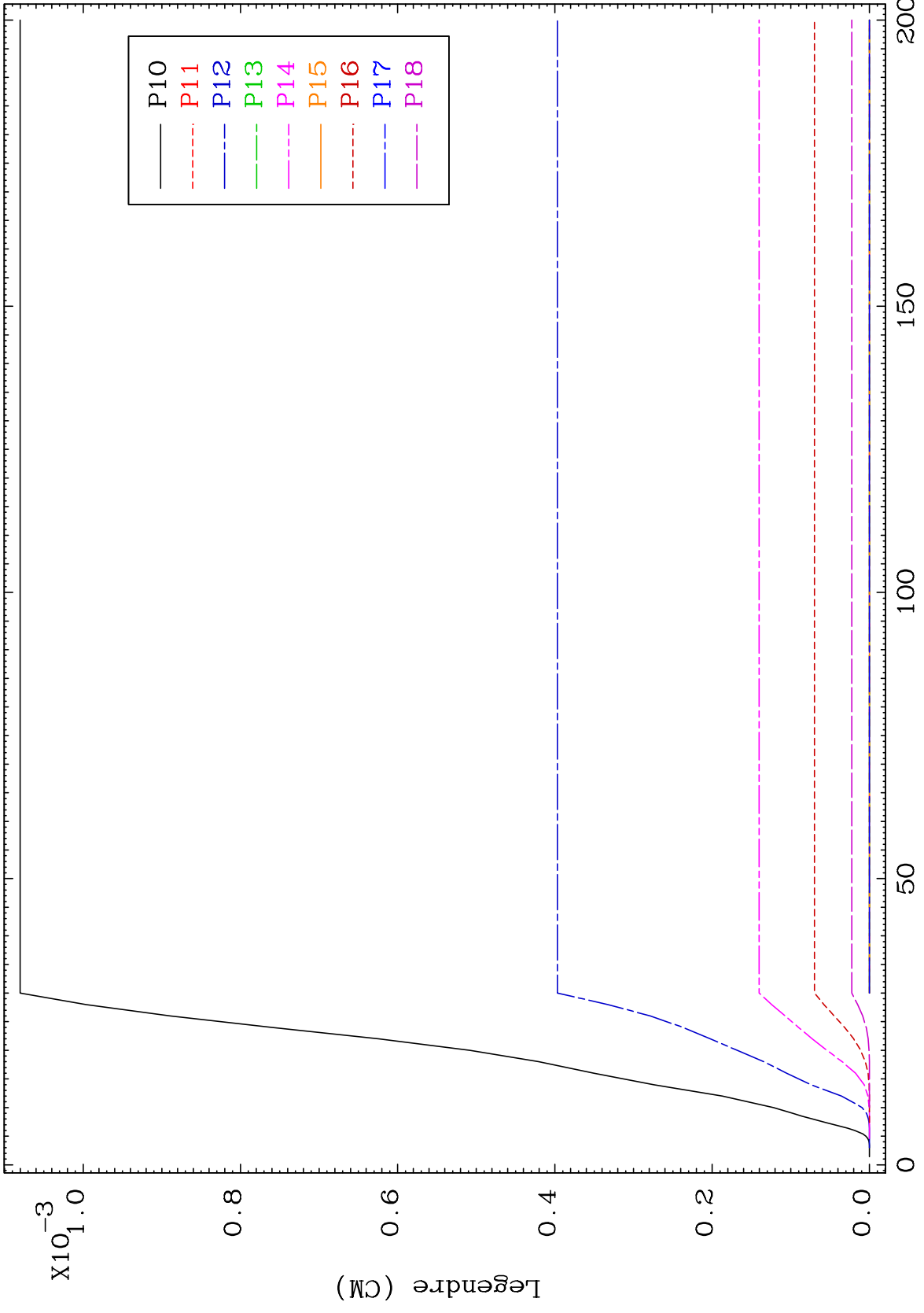


84 61-Pm-146

MAT 6146

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

61-Pm-146

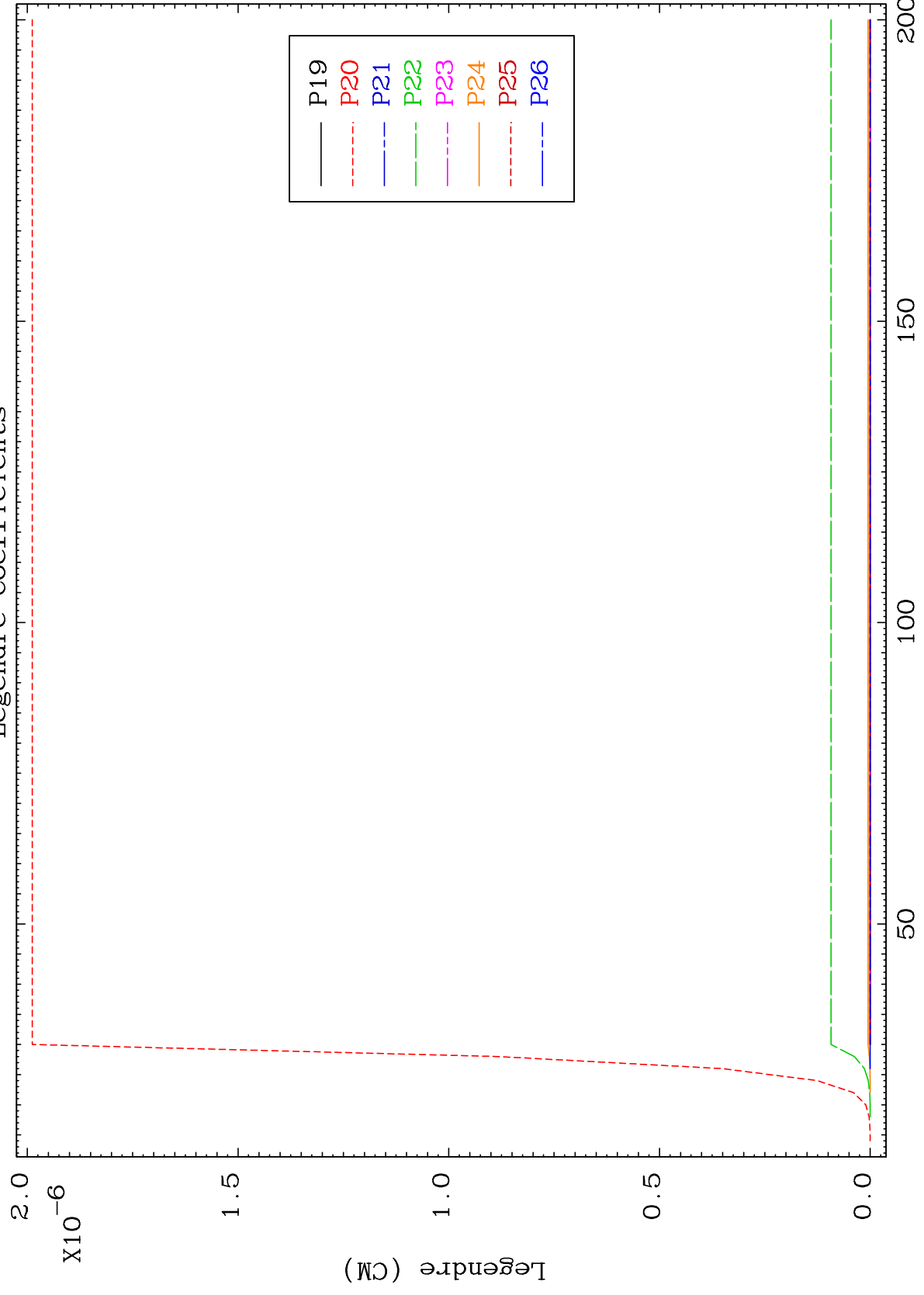


85

Incident Energy (MeV)

61-Pm-146

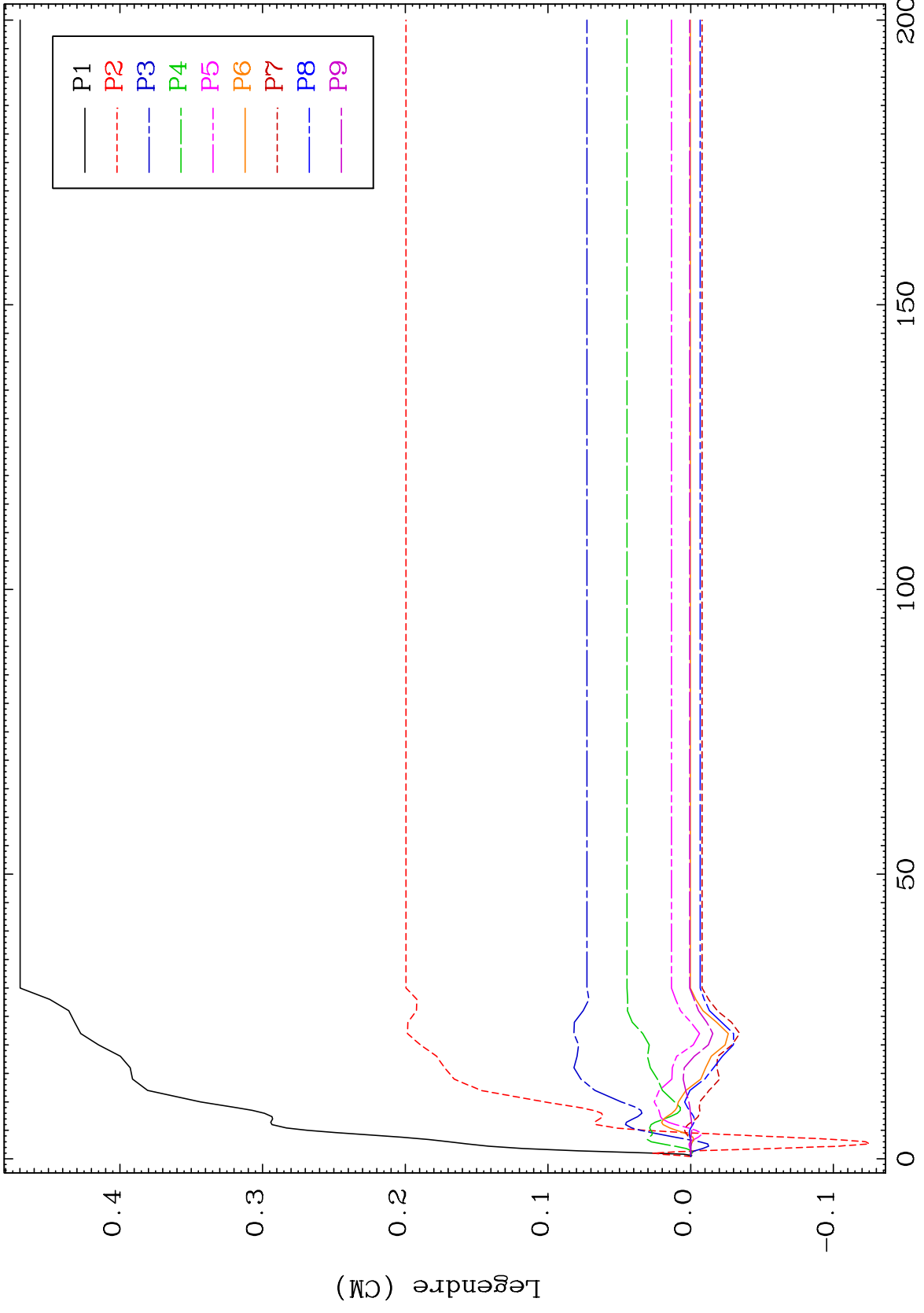
MAT 6146 MT= 69 (n,n') Level Legendre Coefficients 61-Pm-146



MAT 6146

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

61-Pm-146



87

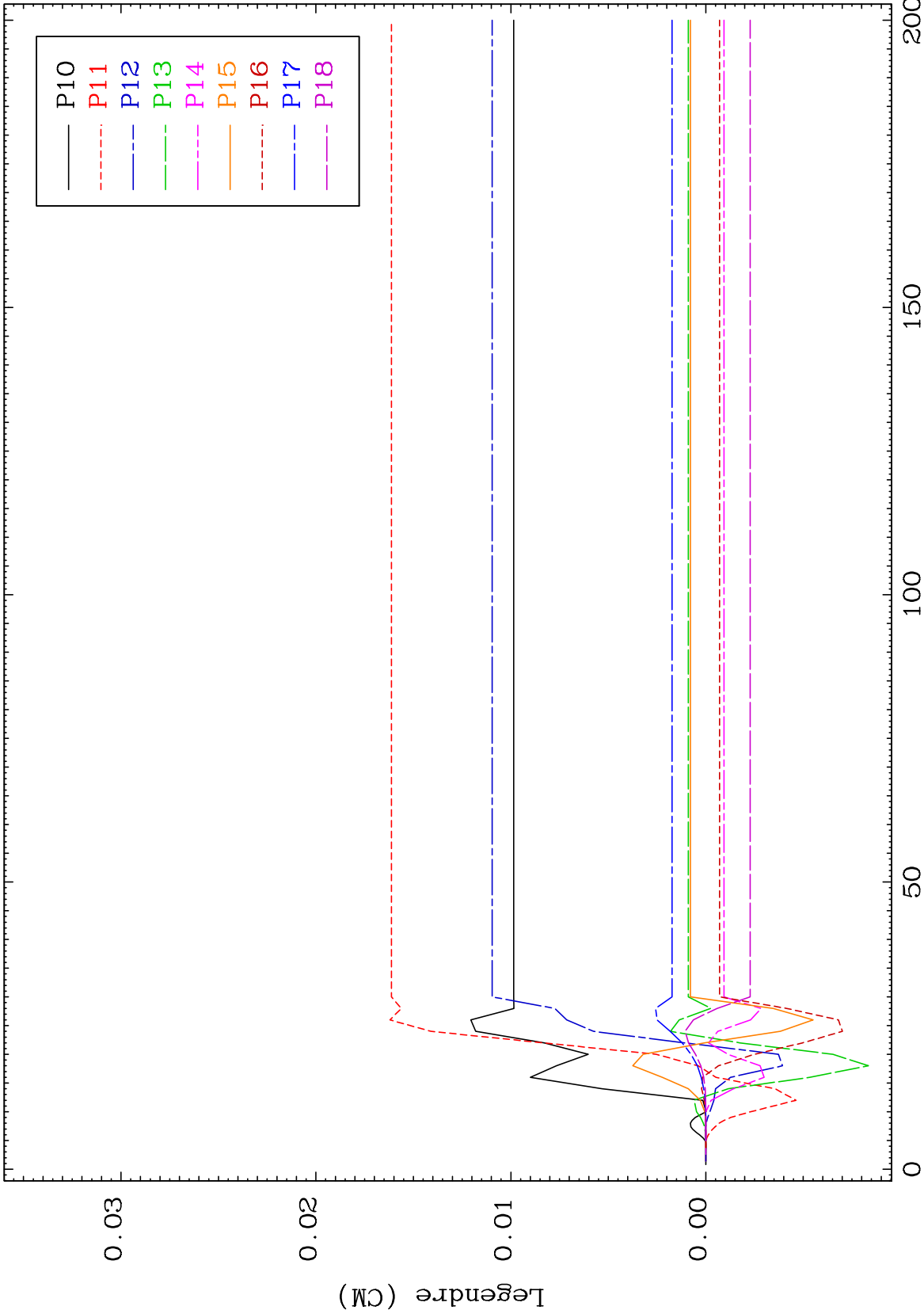
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



88

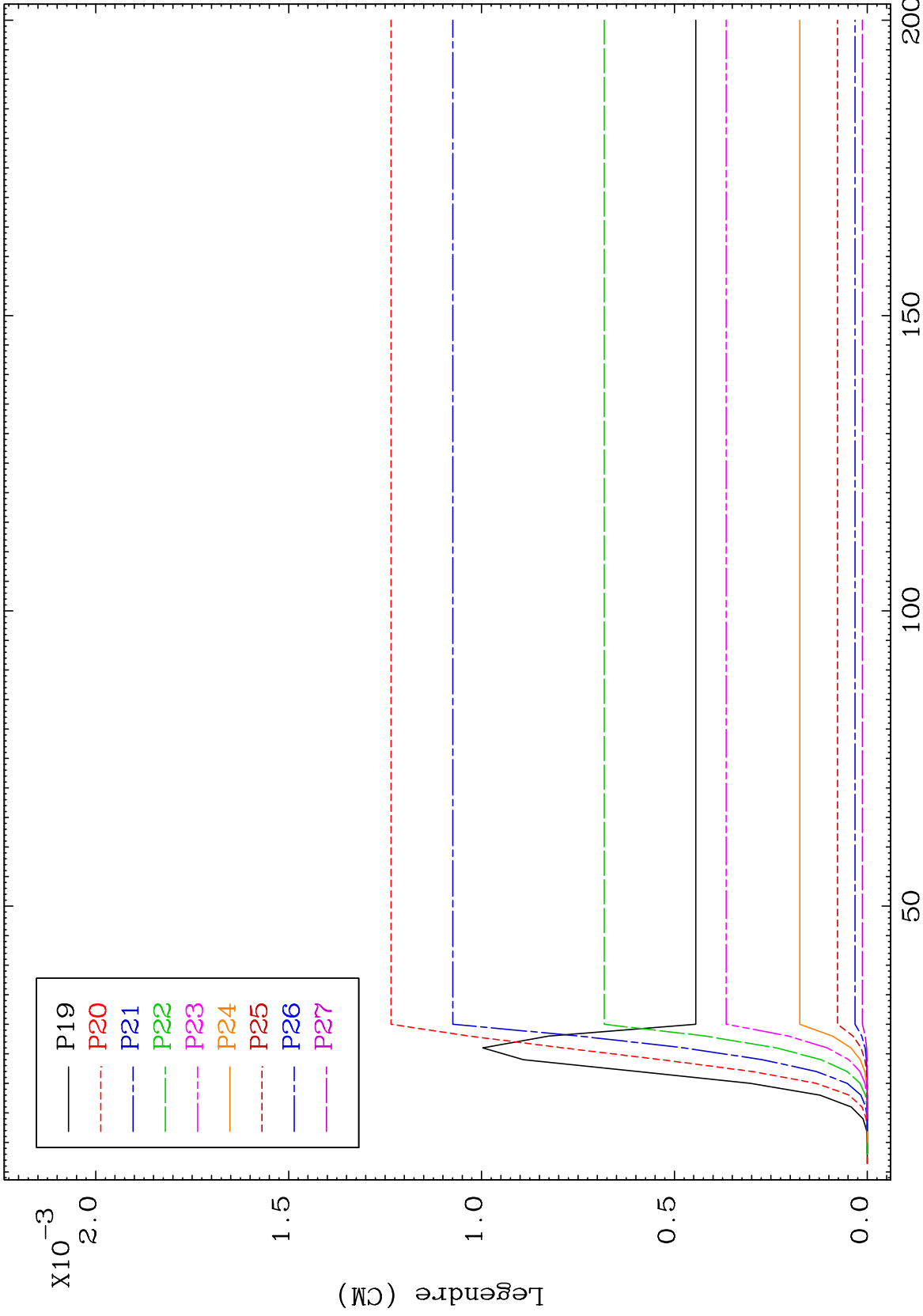
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



89

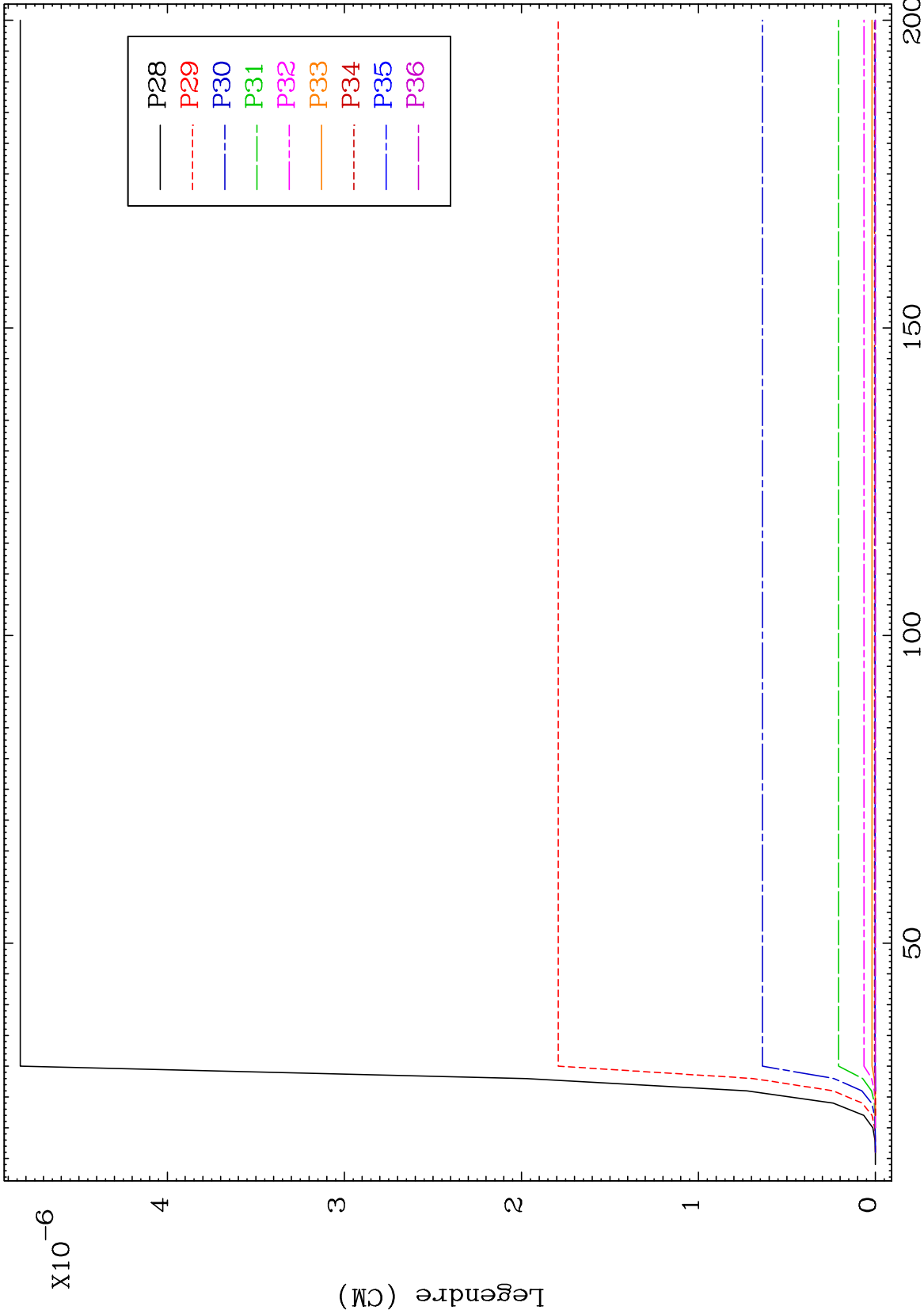
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



90

50

100

150

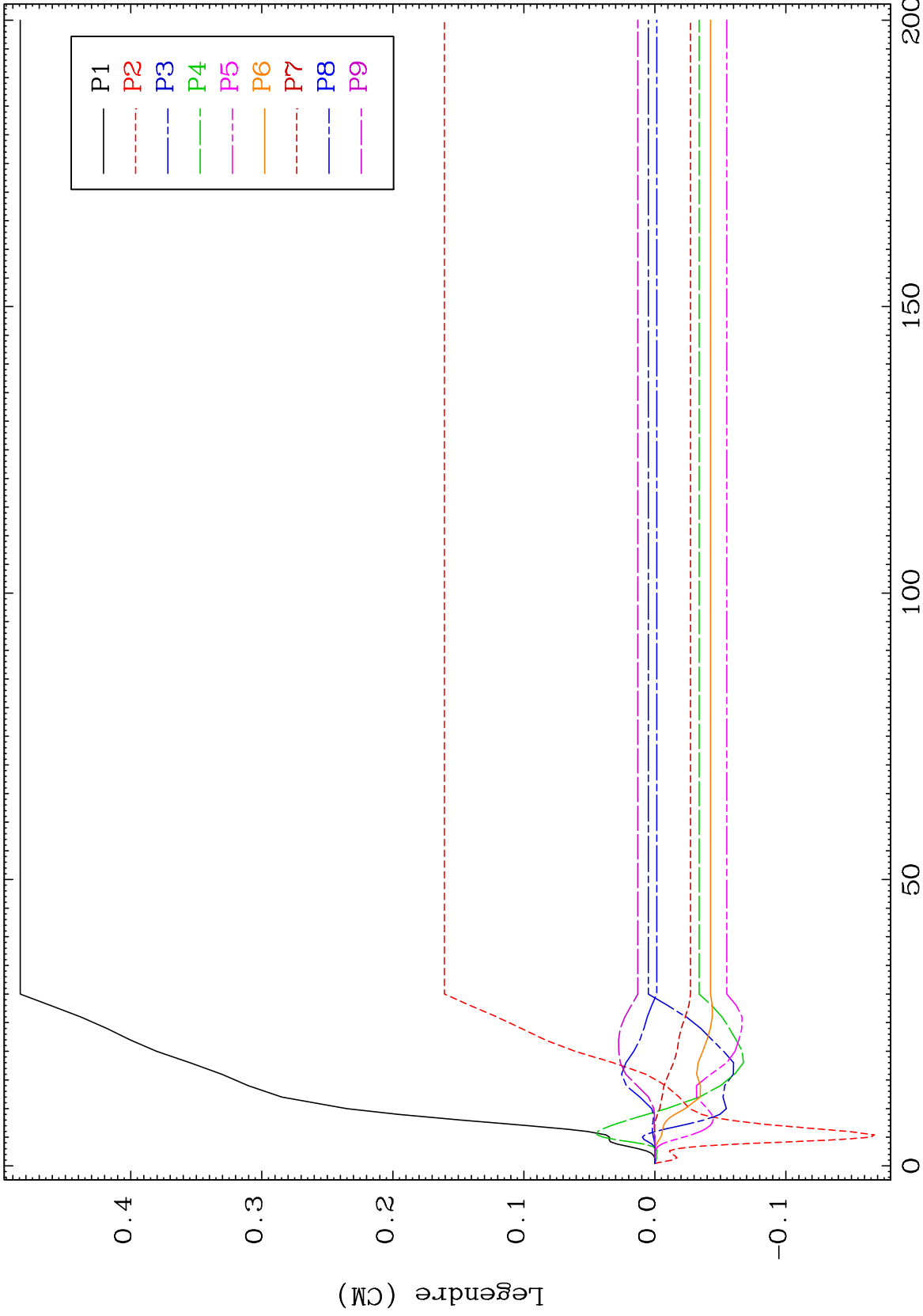
200

61-Pm-146

MAT 6146

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

61-Pm-146



91

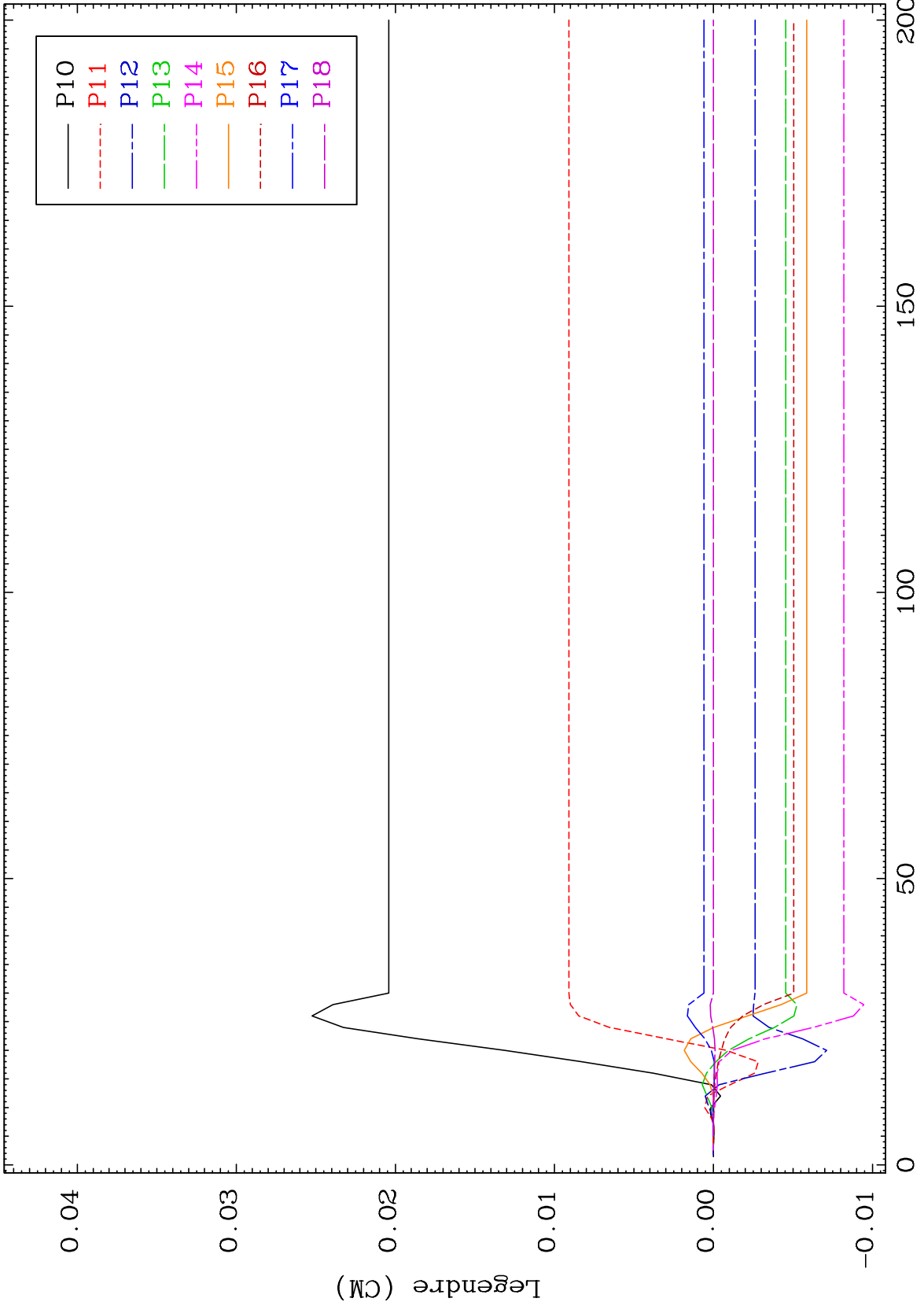
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



92

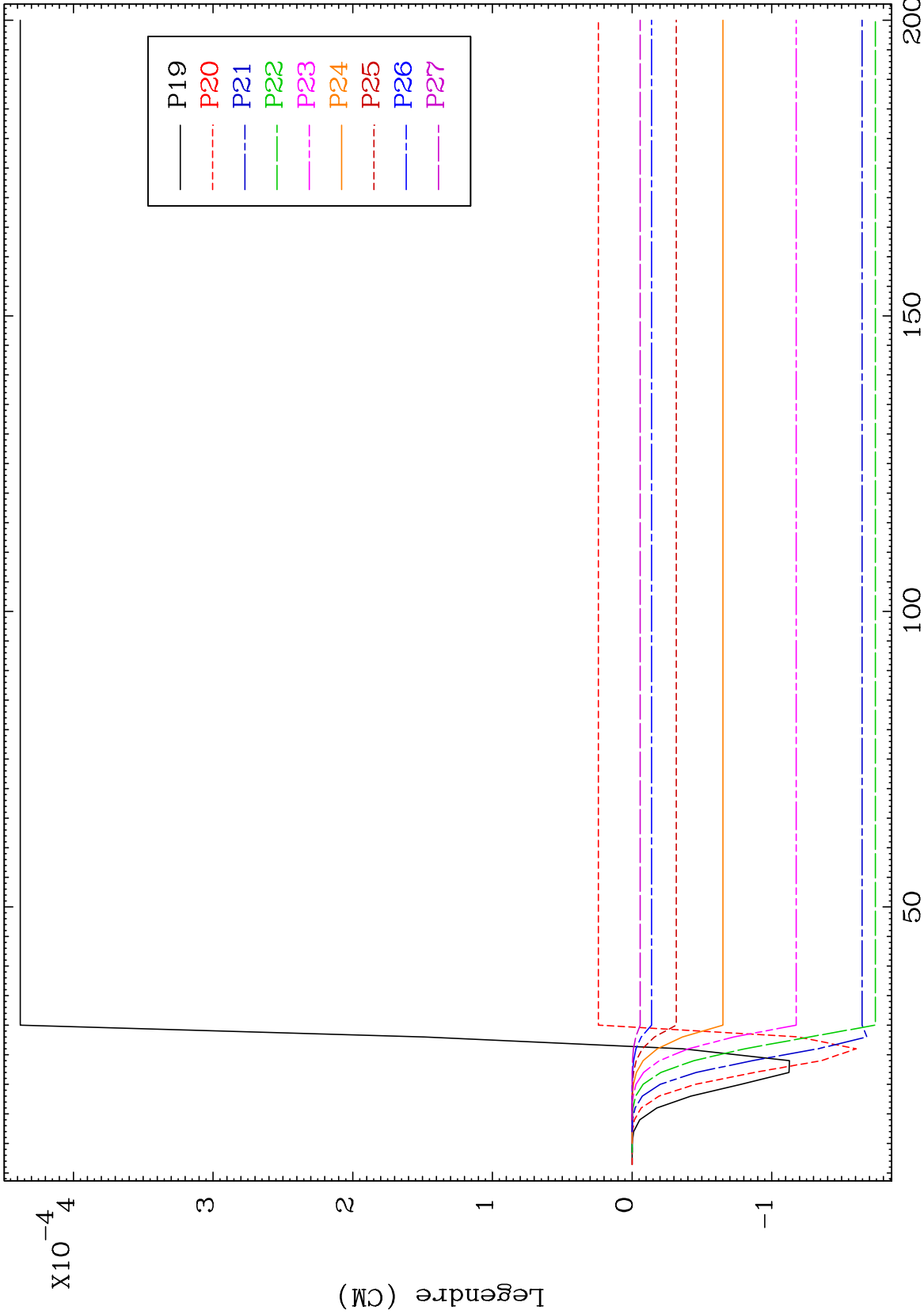
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



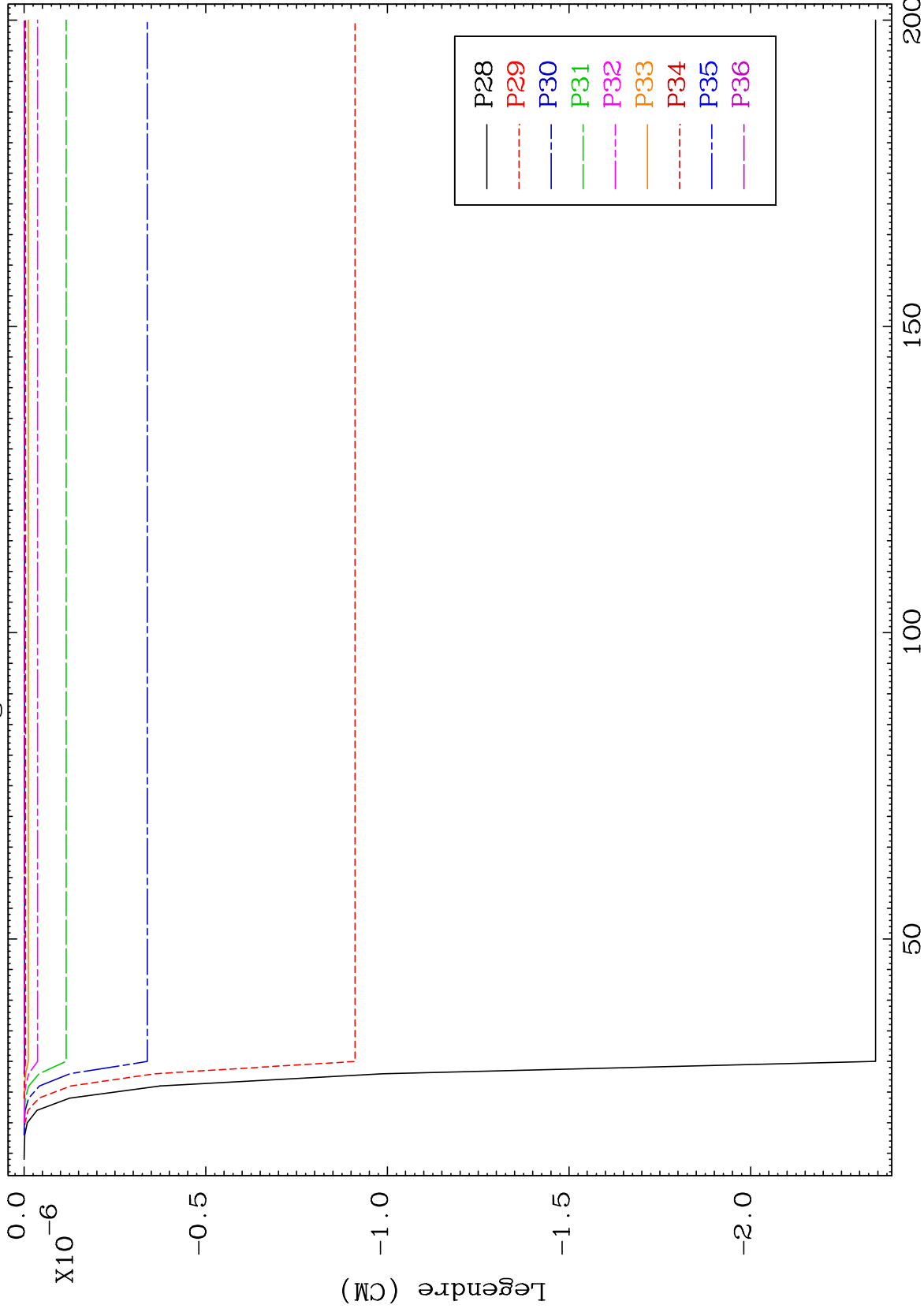
93

61-Pm-146

MAT 6146

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

61-Pm-146



61-Pm-146

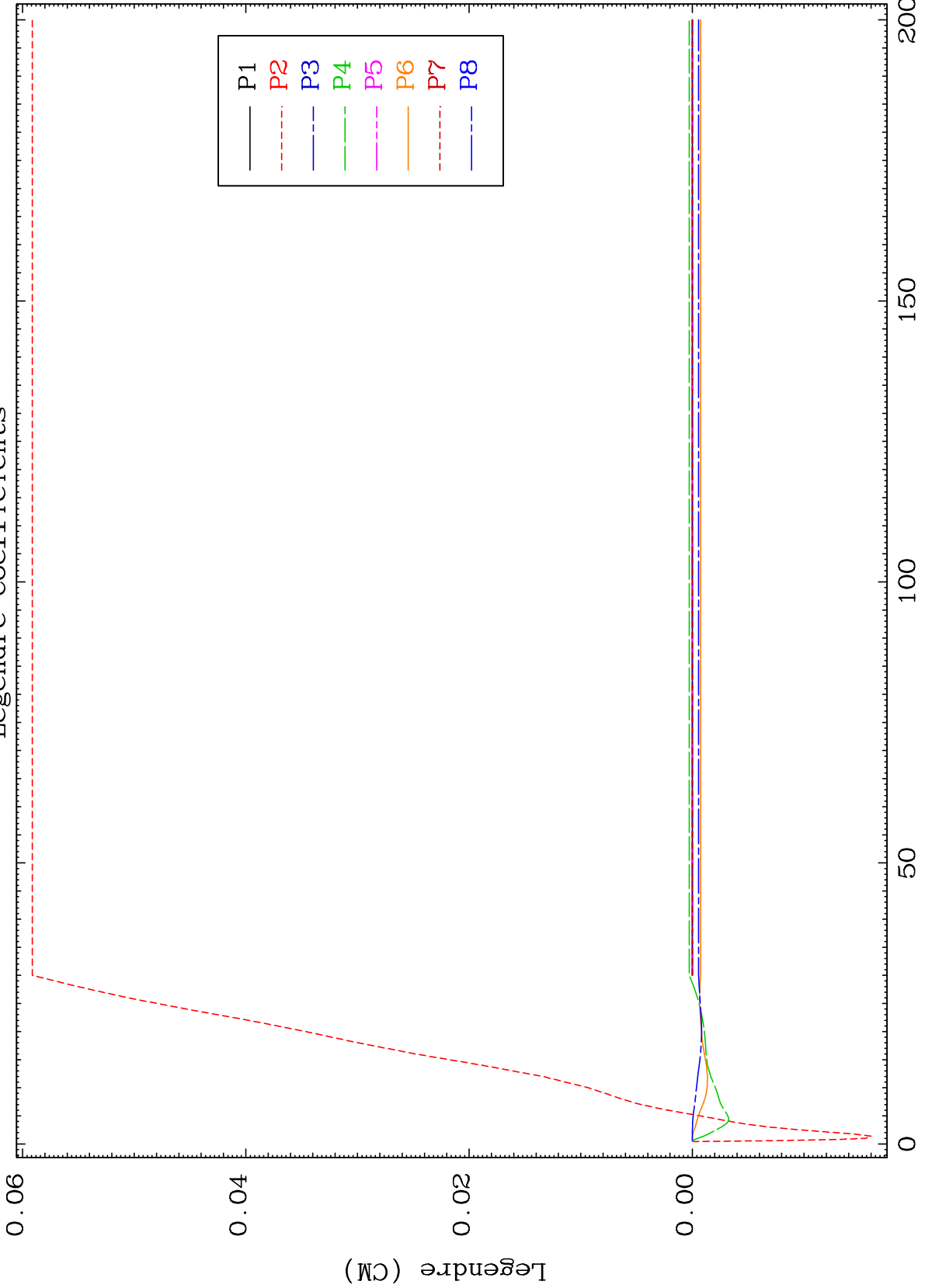
Incident Energy (MeV)

94

MAT 6146 MT= 72 (n,n') Level Legendre Coefficients

61-Pm-146

61-Pm-146



61-Pm-146

Incident Energy (MeV)

95

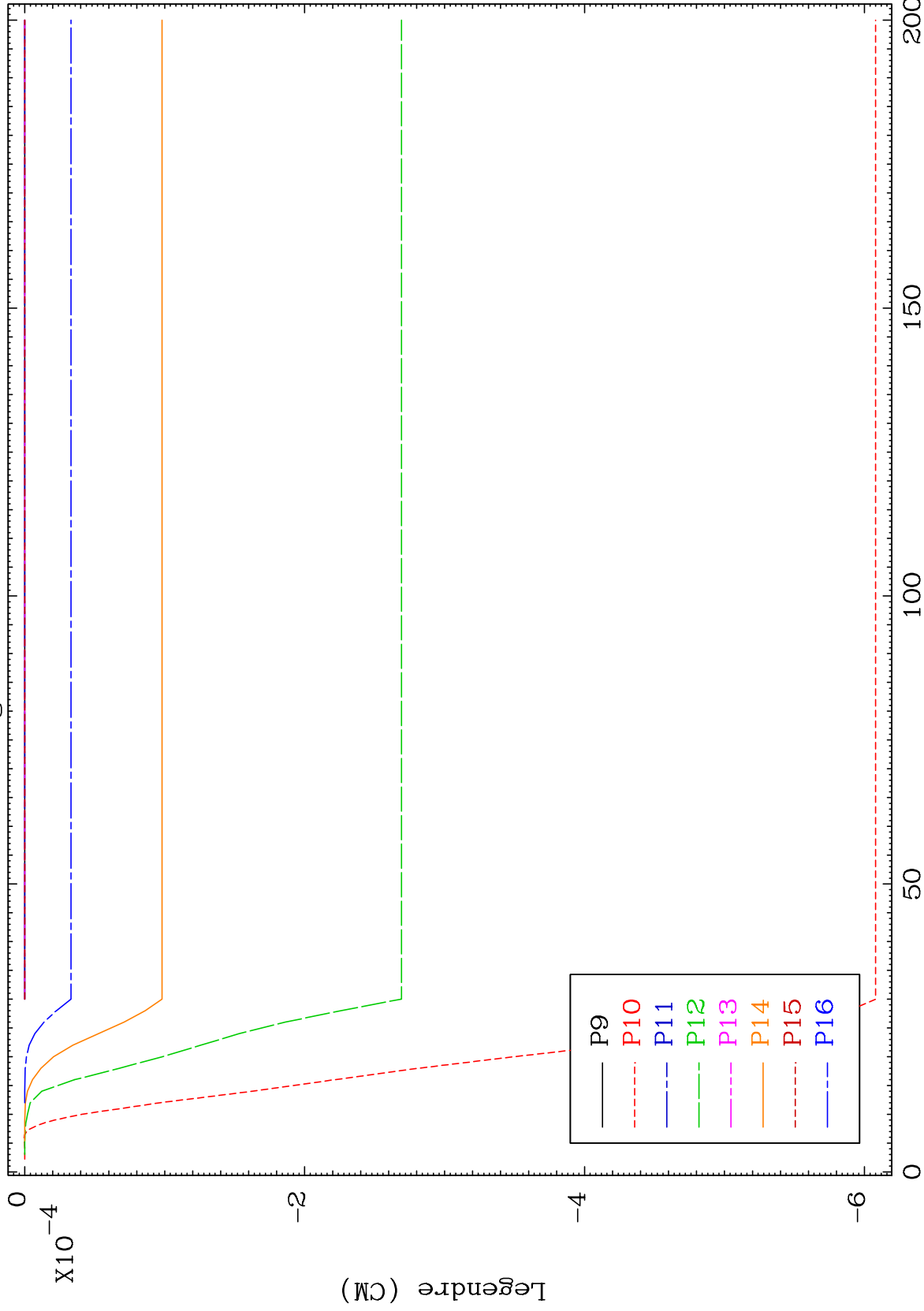
MAT 6146

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

61-Pm-146

61-Pm-146

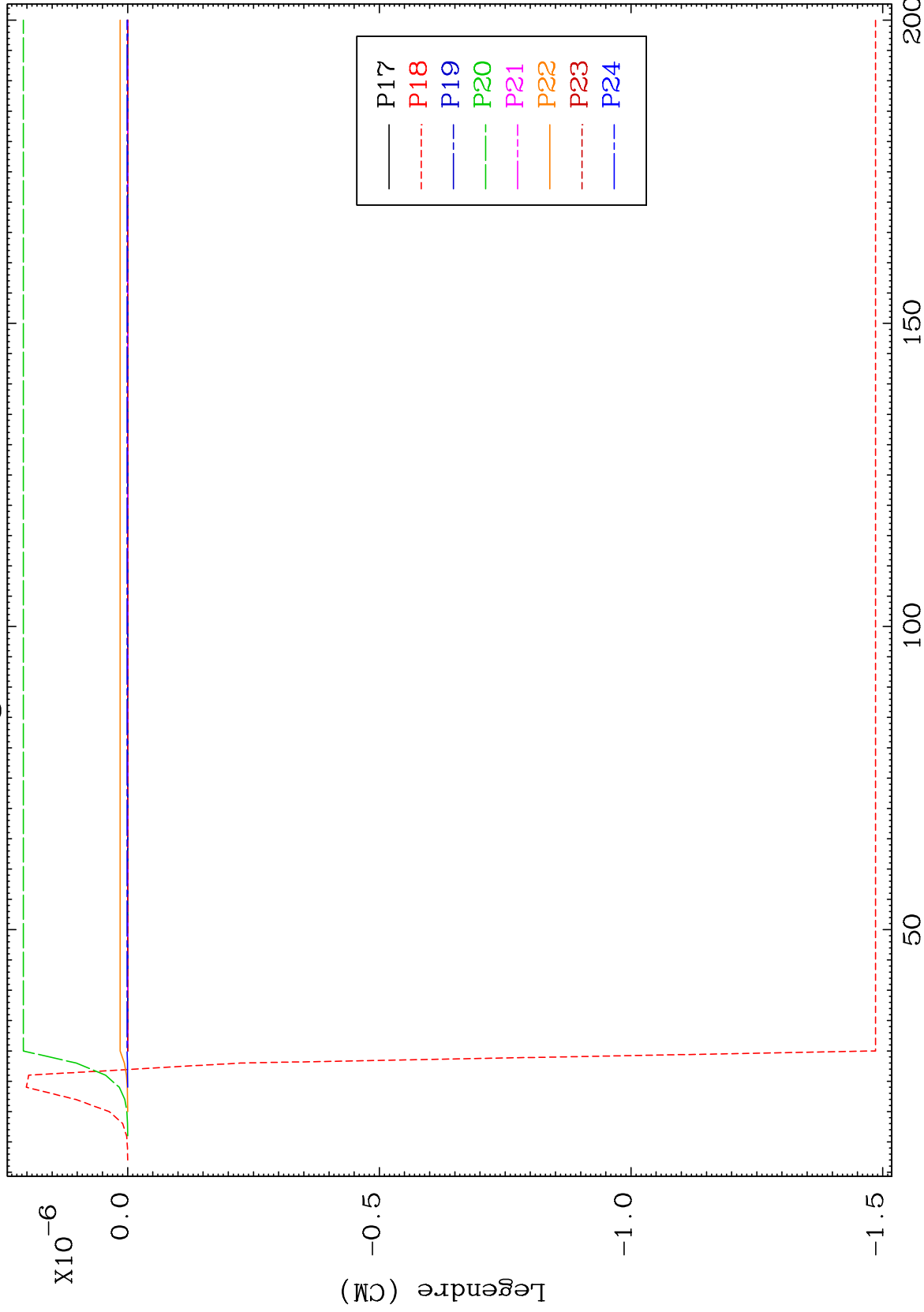
96



MAT 6146

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

61-Pm-146



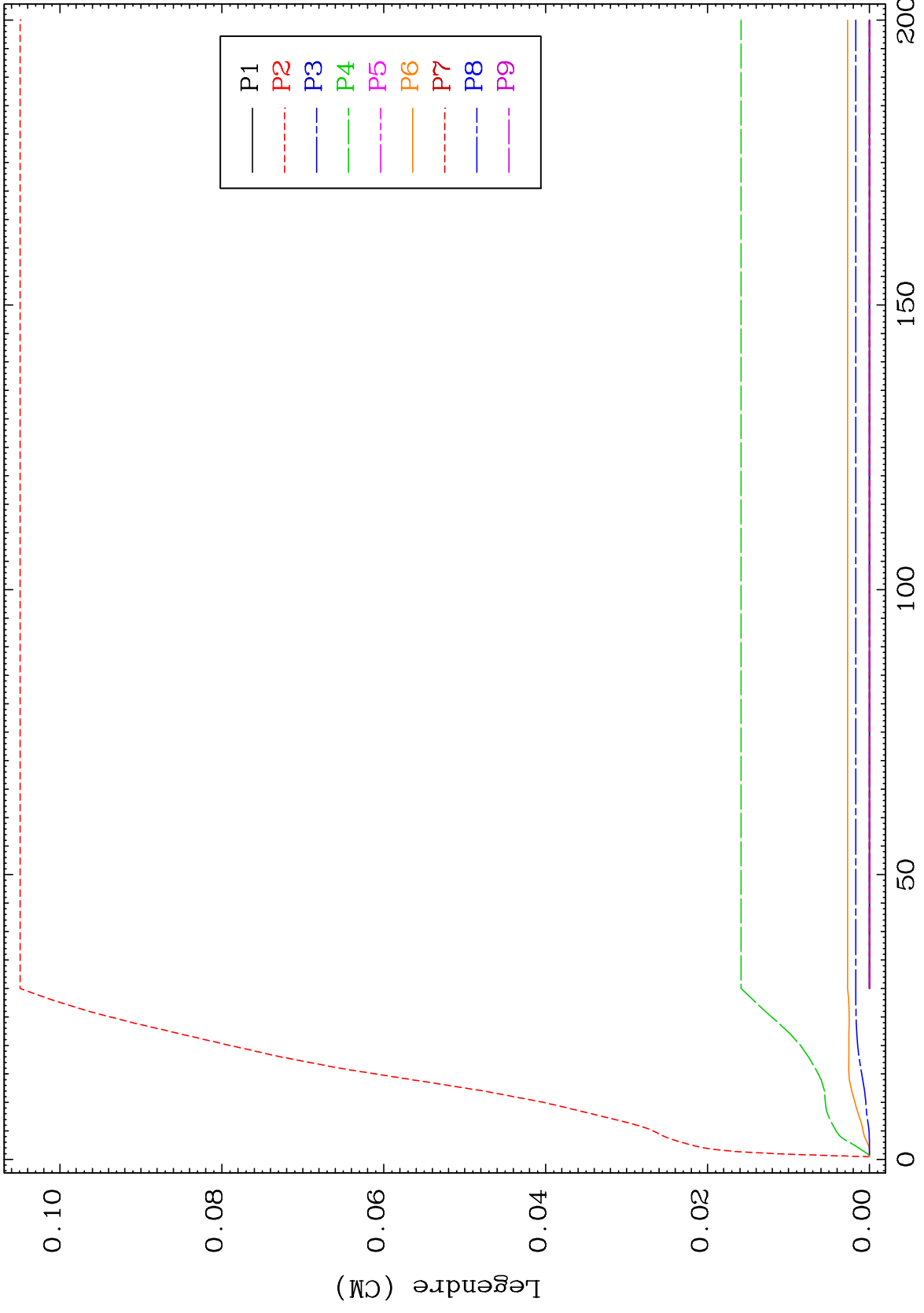
97

61-Pm-146

MAT 6146

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

61-Pm-146



98

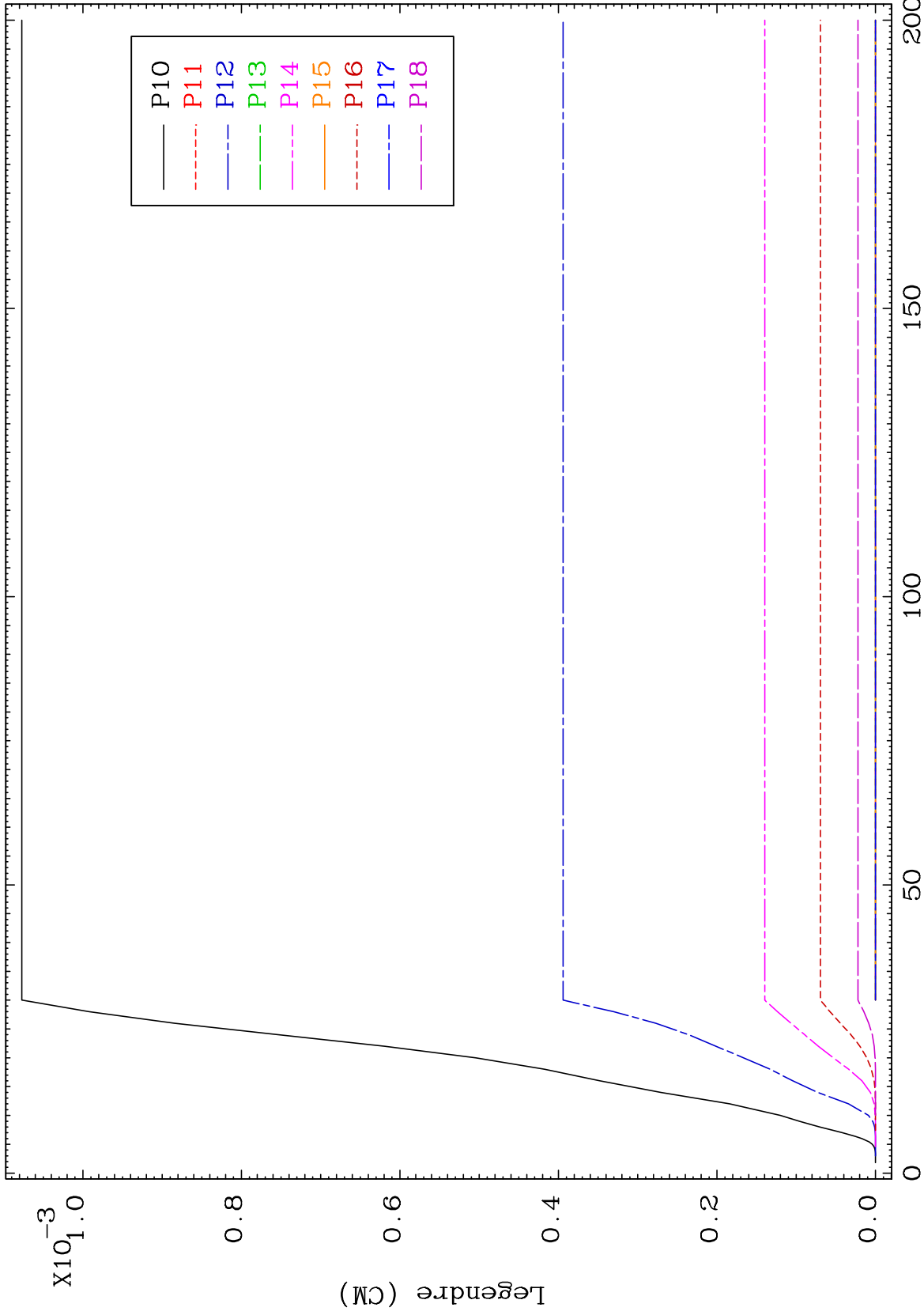
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



99

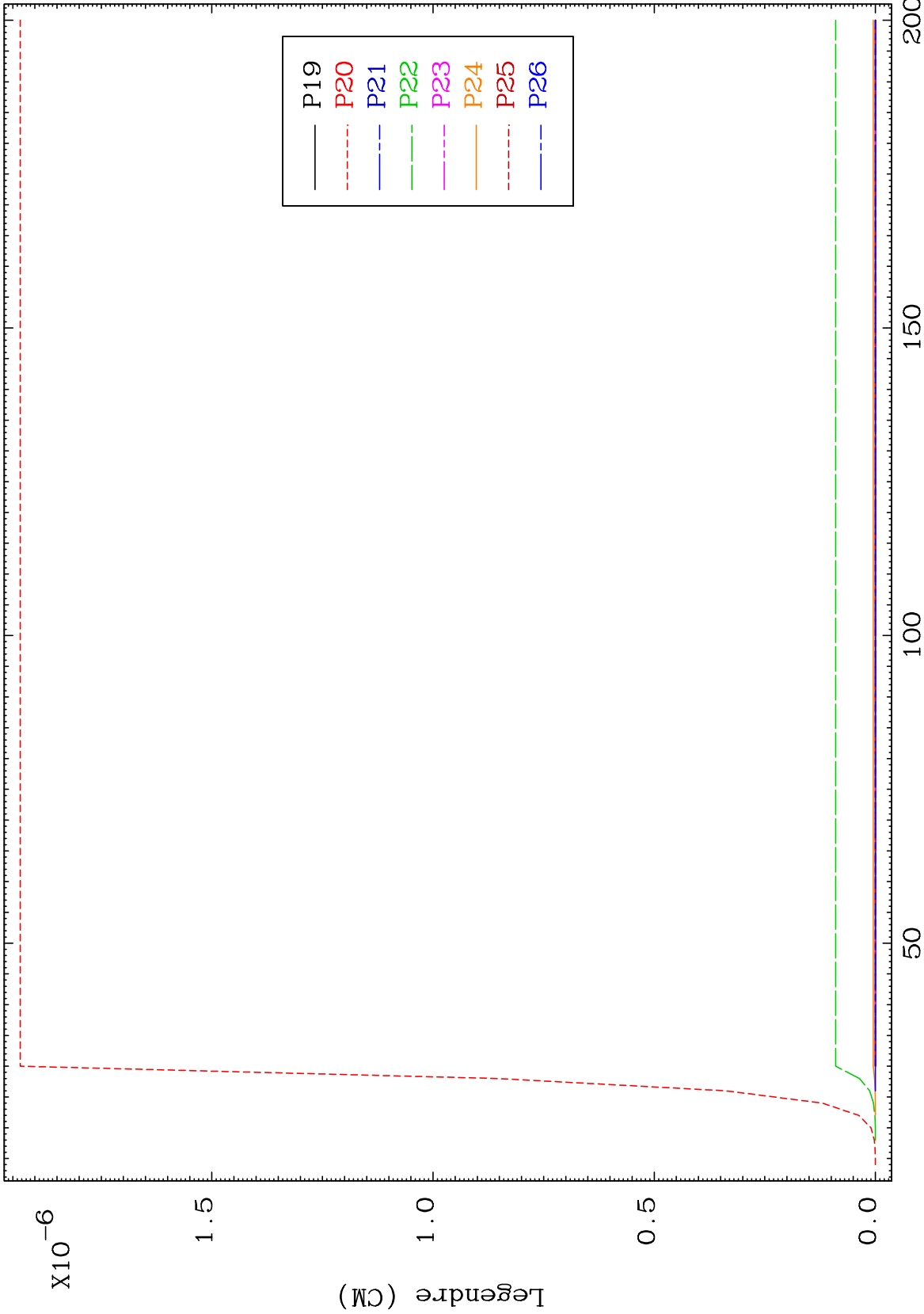
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



61-Pm-146

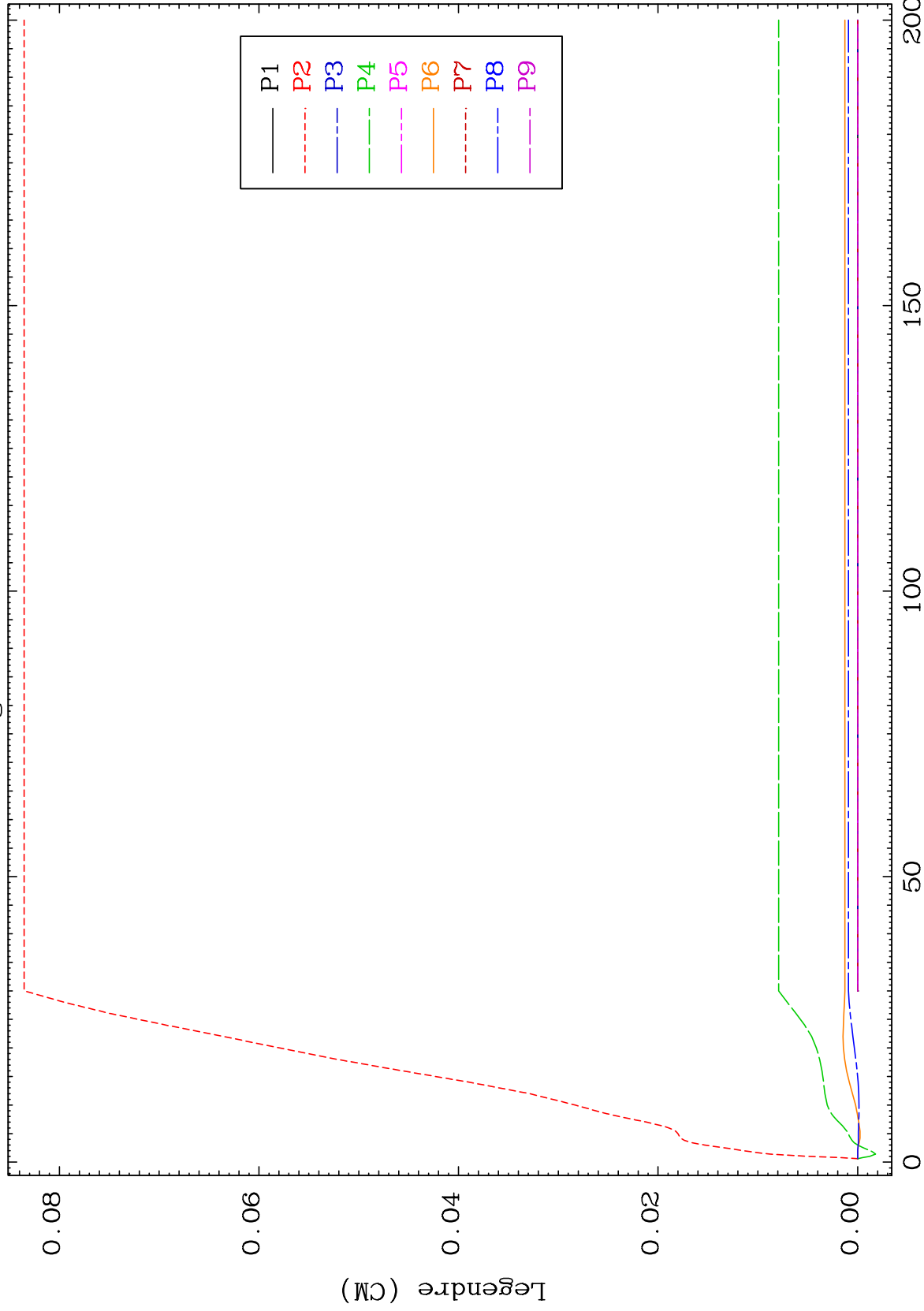
Incident Energy (MeV)

100

MAT 6146

MT= 74 (n,n') Level
Legendre Coefficients

61-Pm-146



101

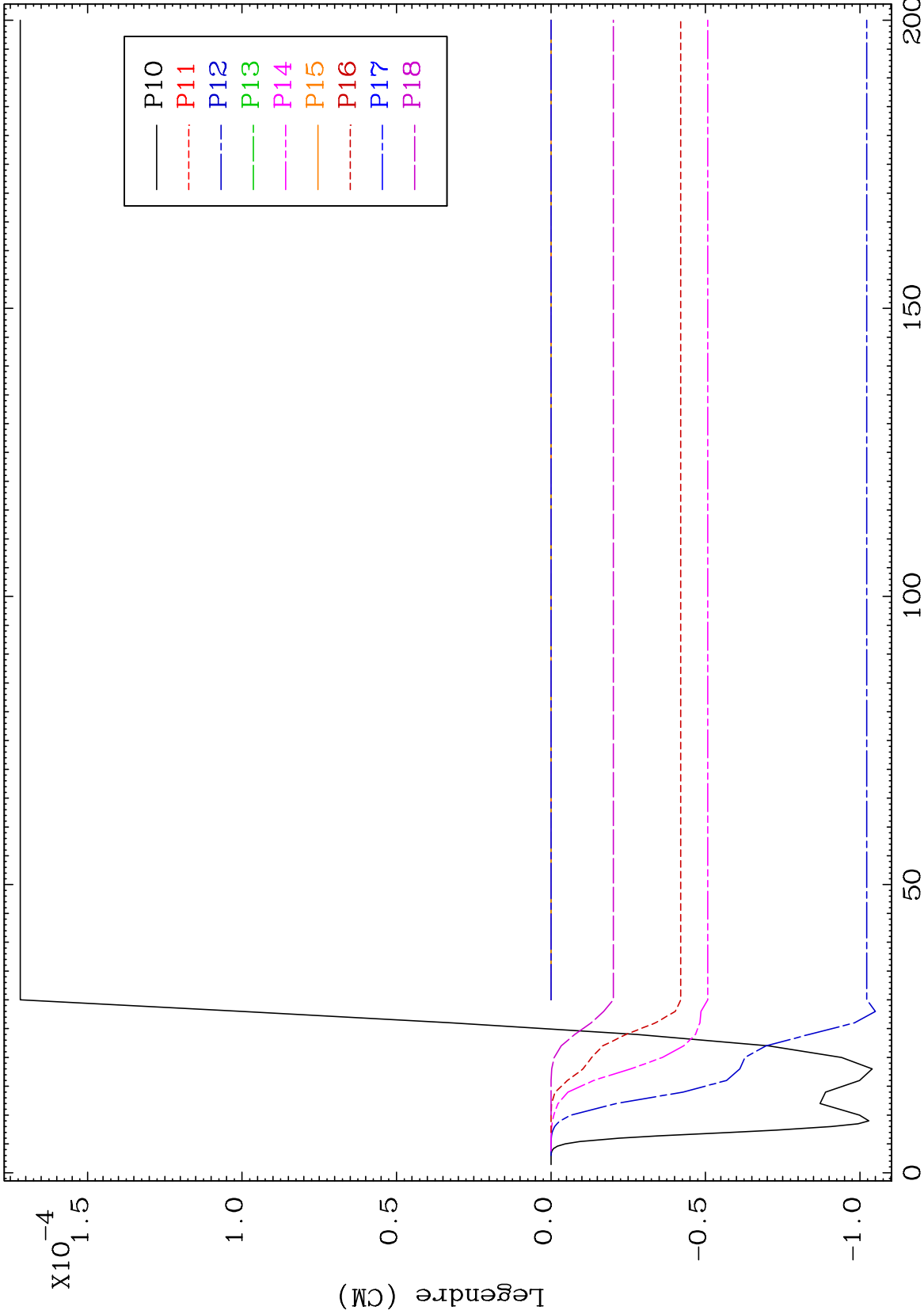
Incident Energy (MeV)

61-Pm-146

MAT 6146

MT= 74 (n,n') Level
Legendre Coefficients

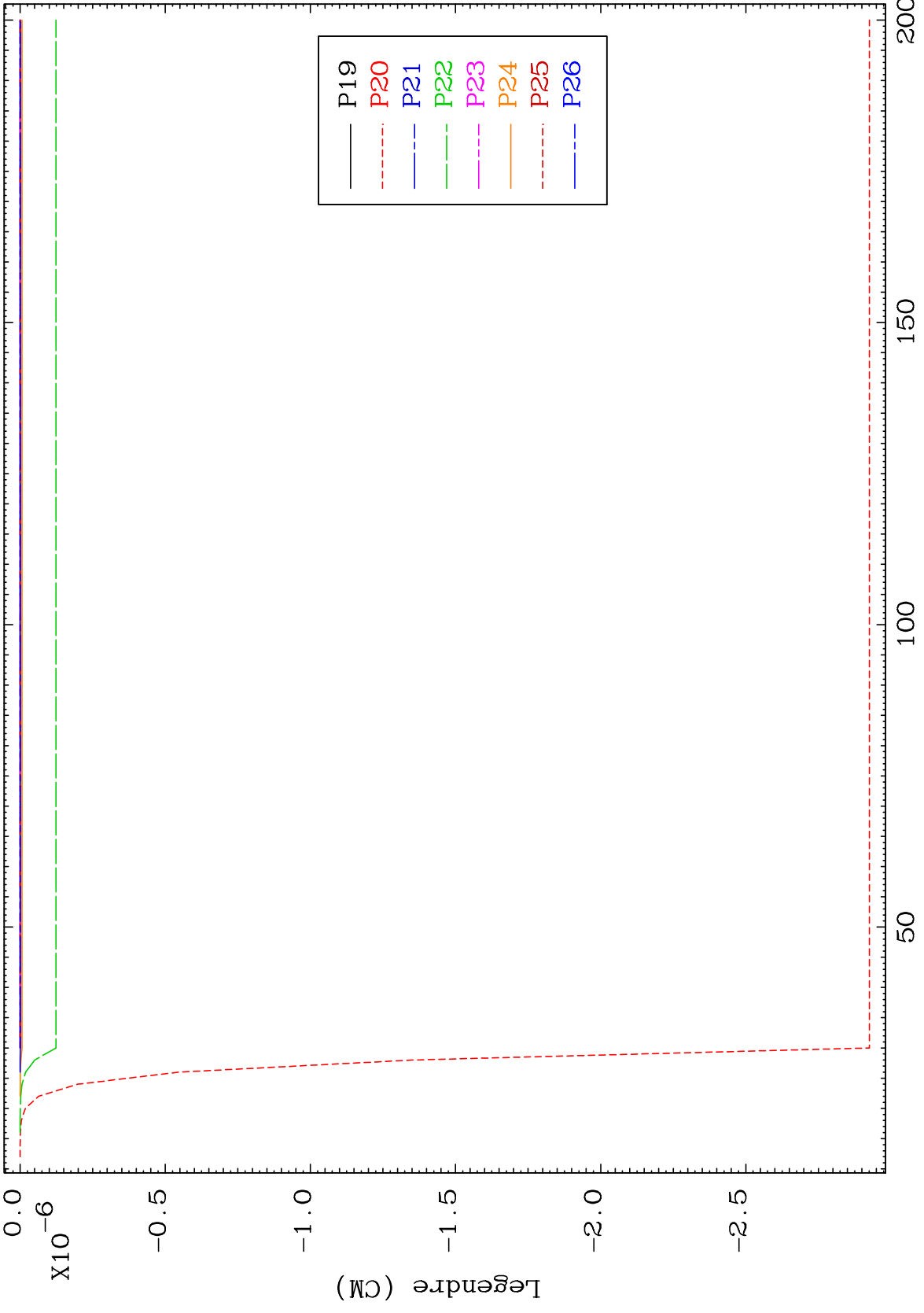
61-Pm-146



102

61-Pm-146

MAT 6146 MT= 74 (n,n') Level Legendre Coefficients 61-Pm-146

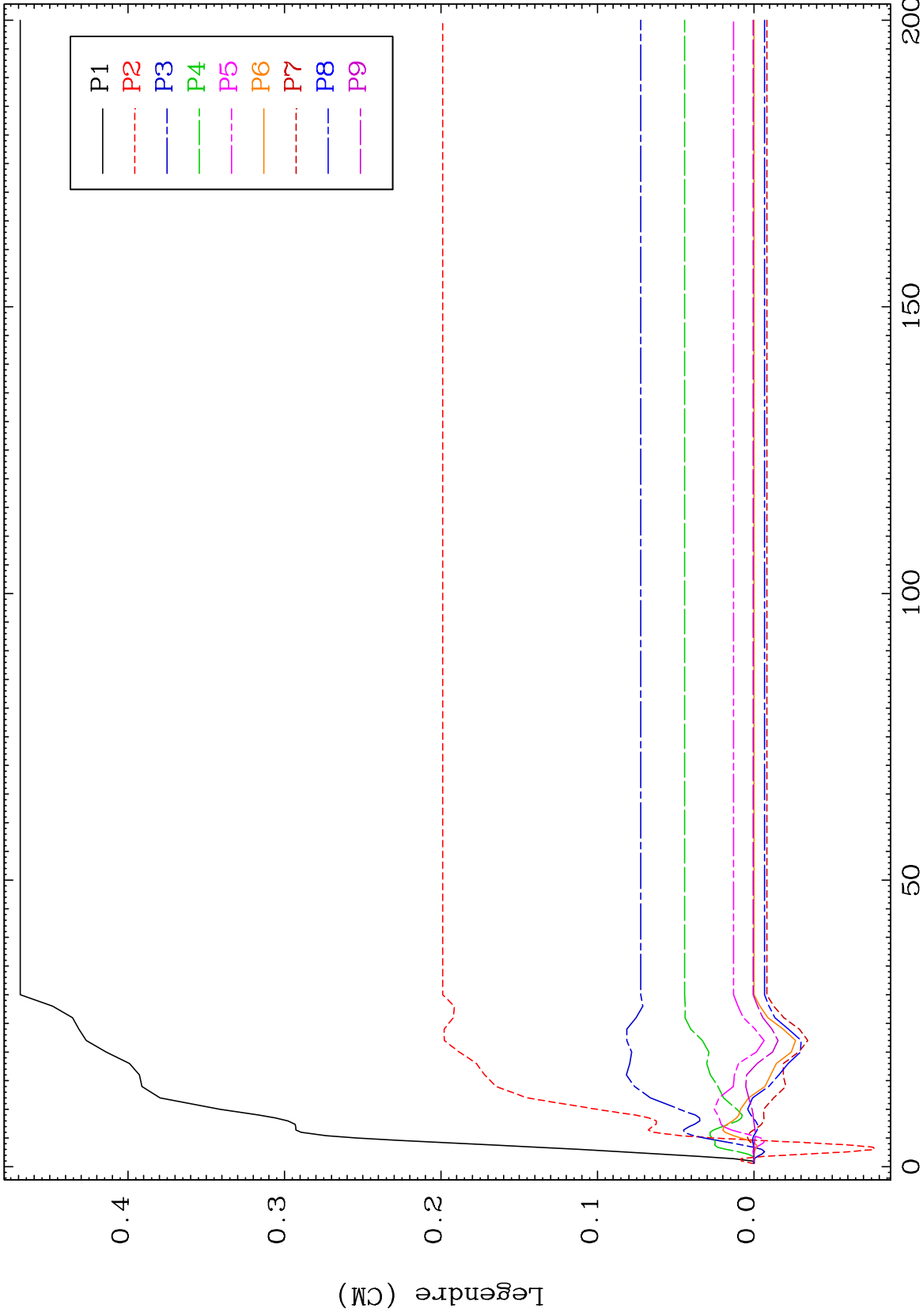


103 61-Pm-146

MAT 6146

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

61-Pm-146



61-Pm-146

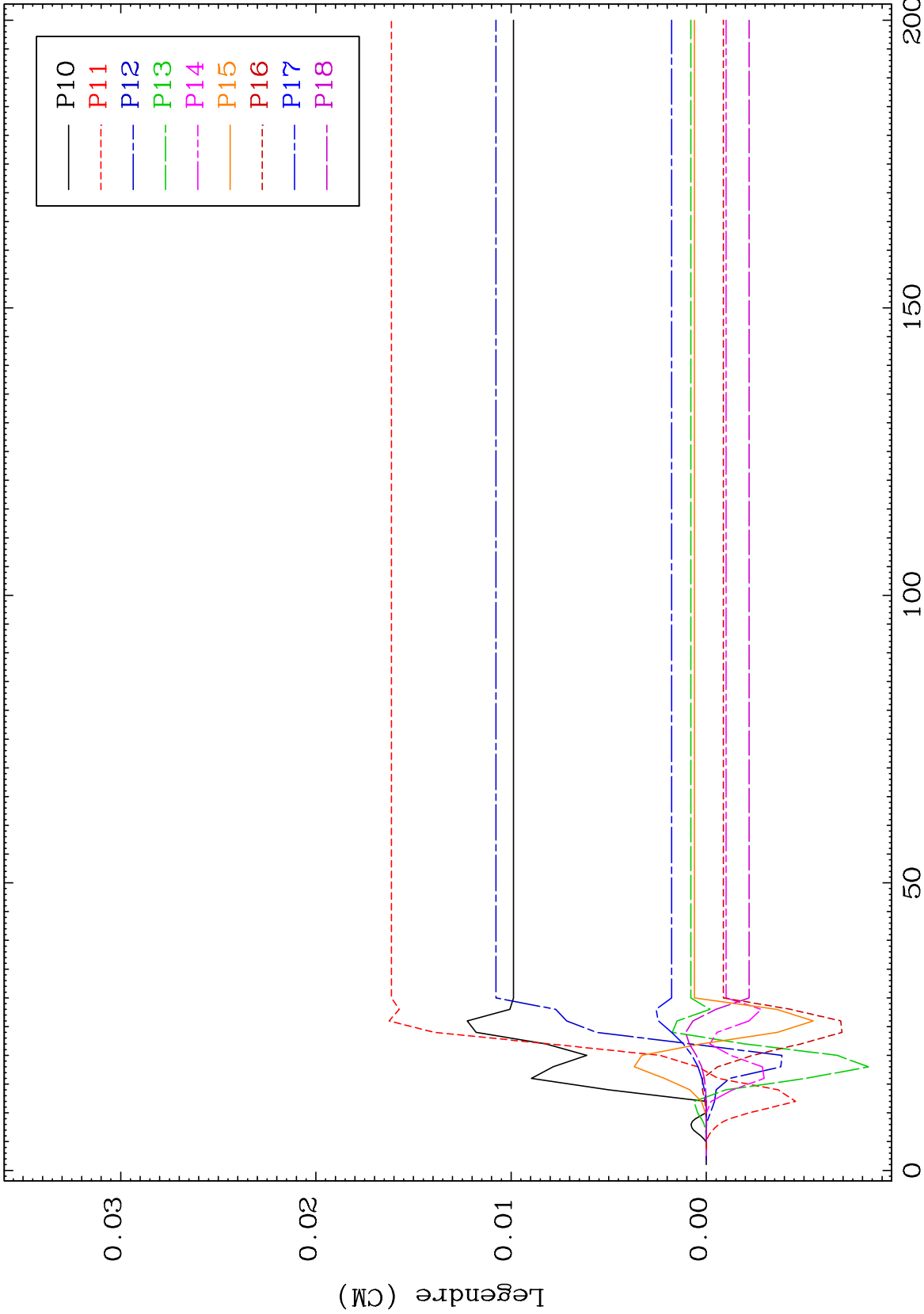
Incident Energy (MeV)

104

MAT 6146

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

61-Pm-146



61-Pm-146

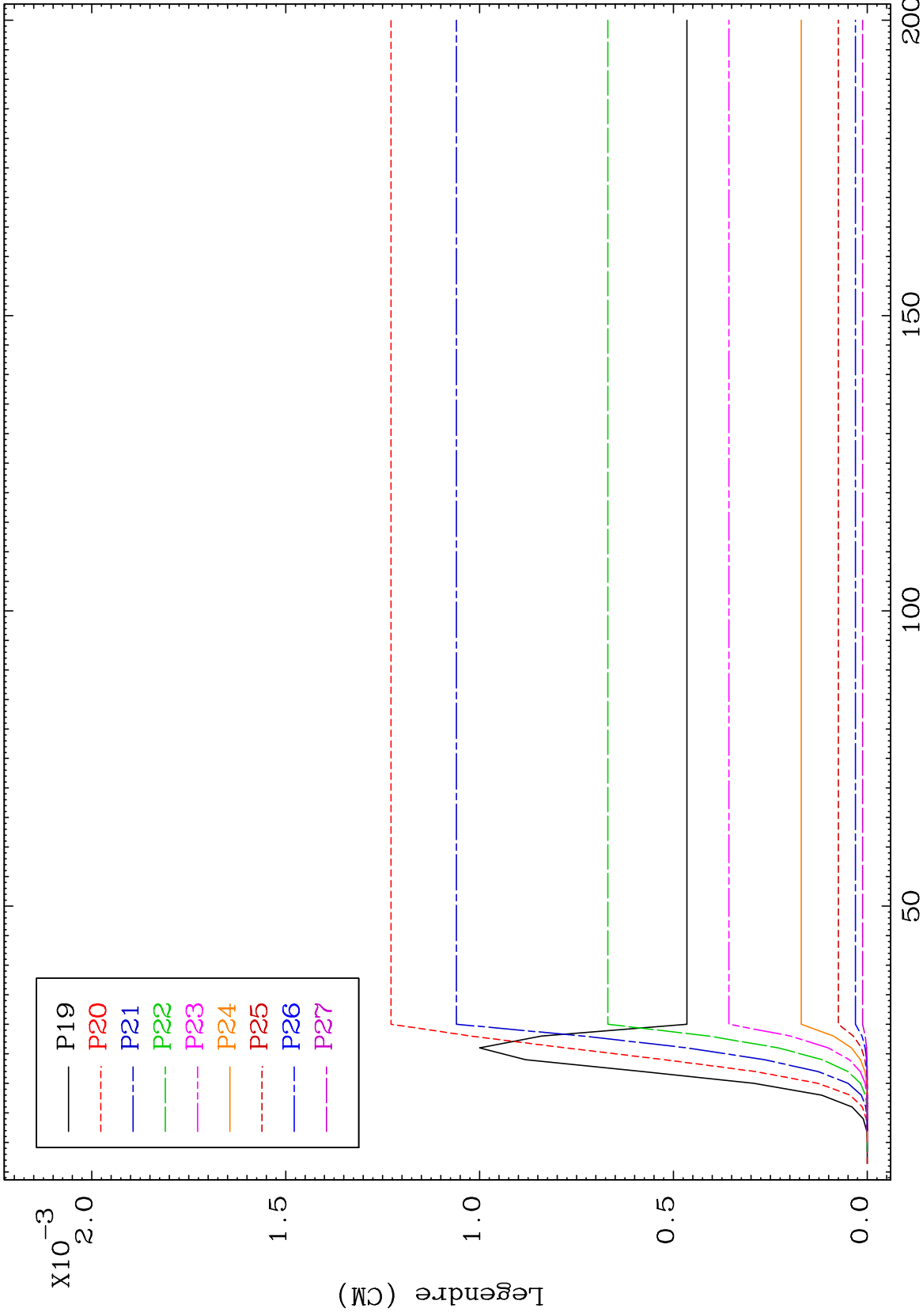
Incident Energy (MeV)

105

MAT 6146

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

61-Pm-146



106

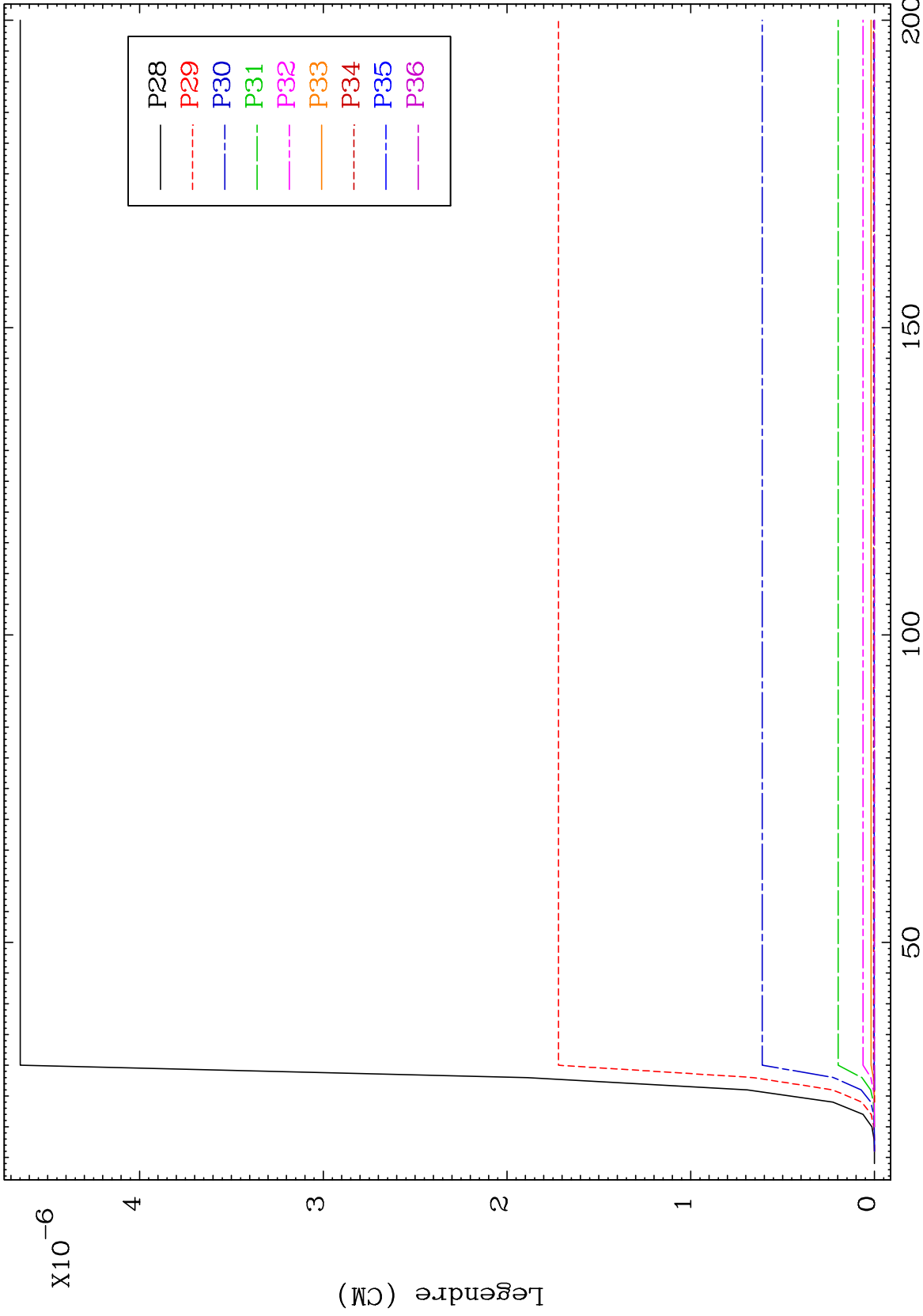
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



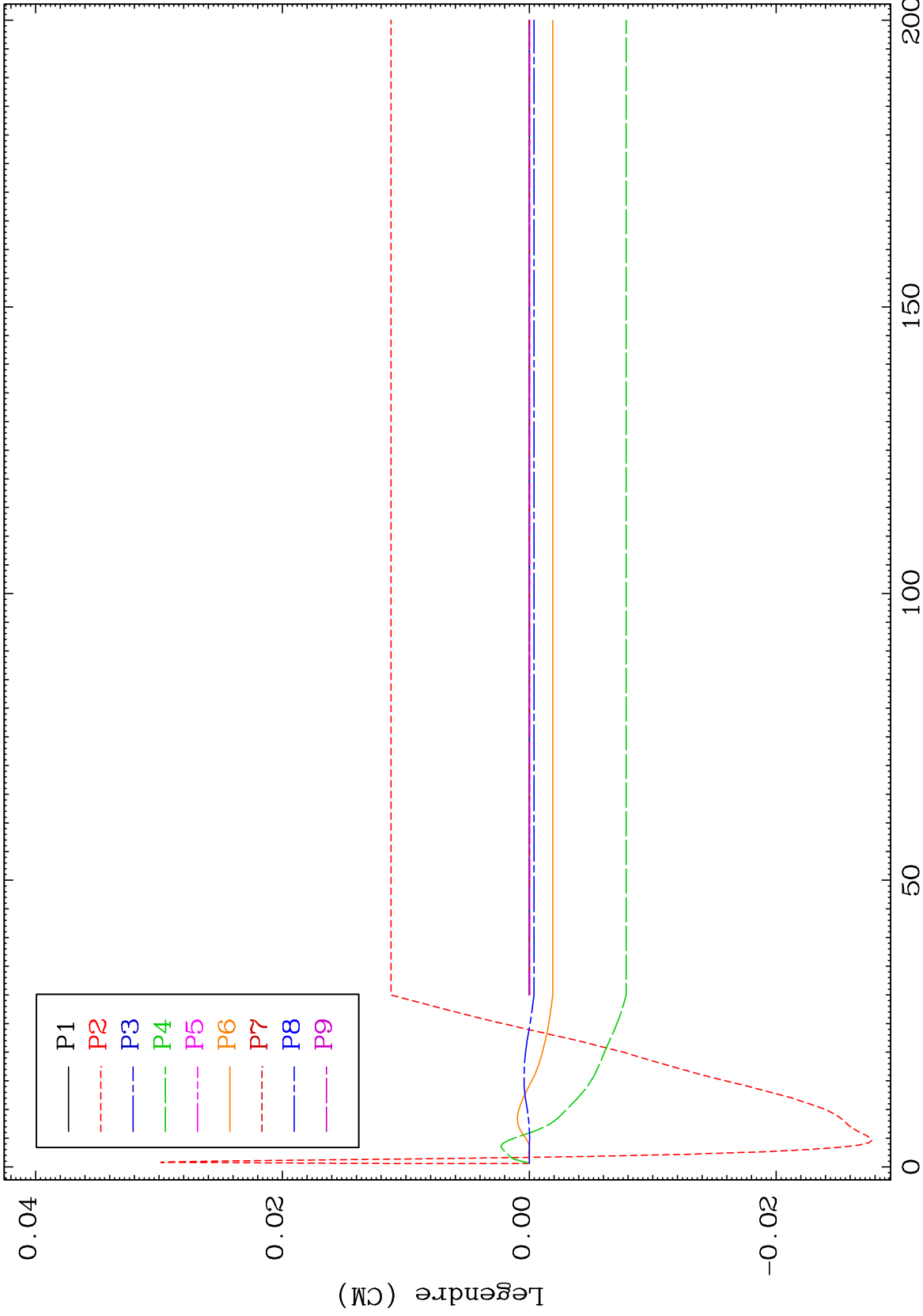
107

61-Pm-146

MAT 6146

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

61-Pm-146



108

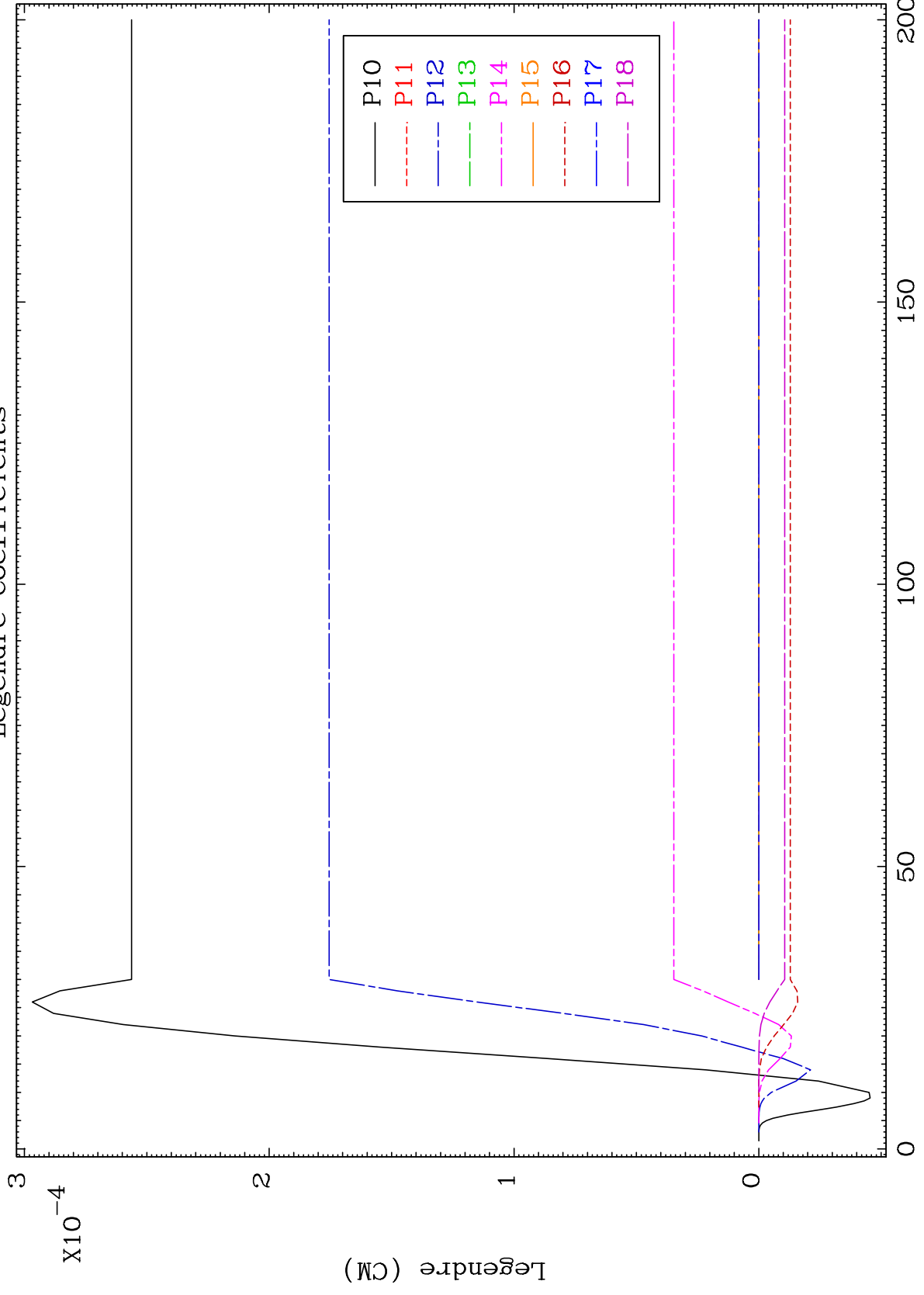
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

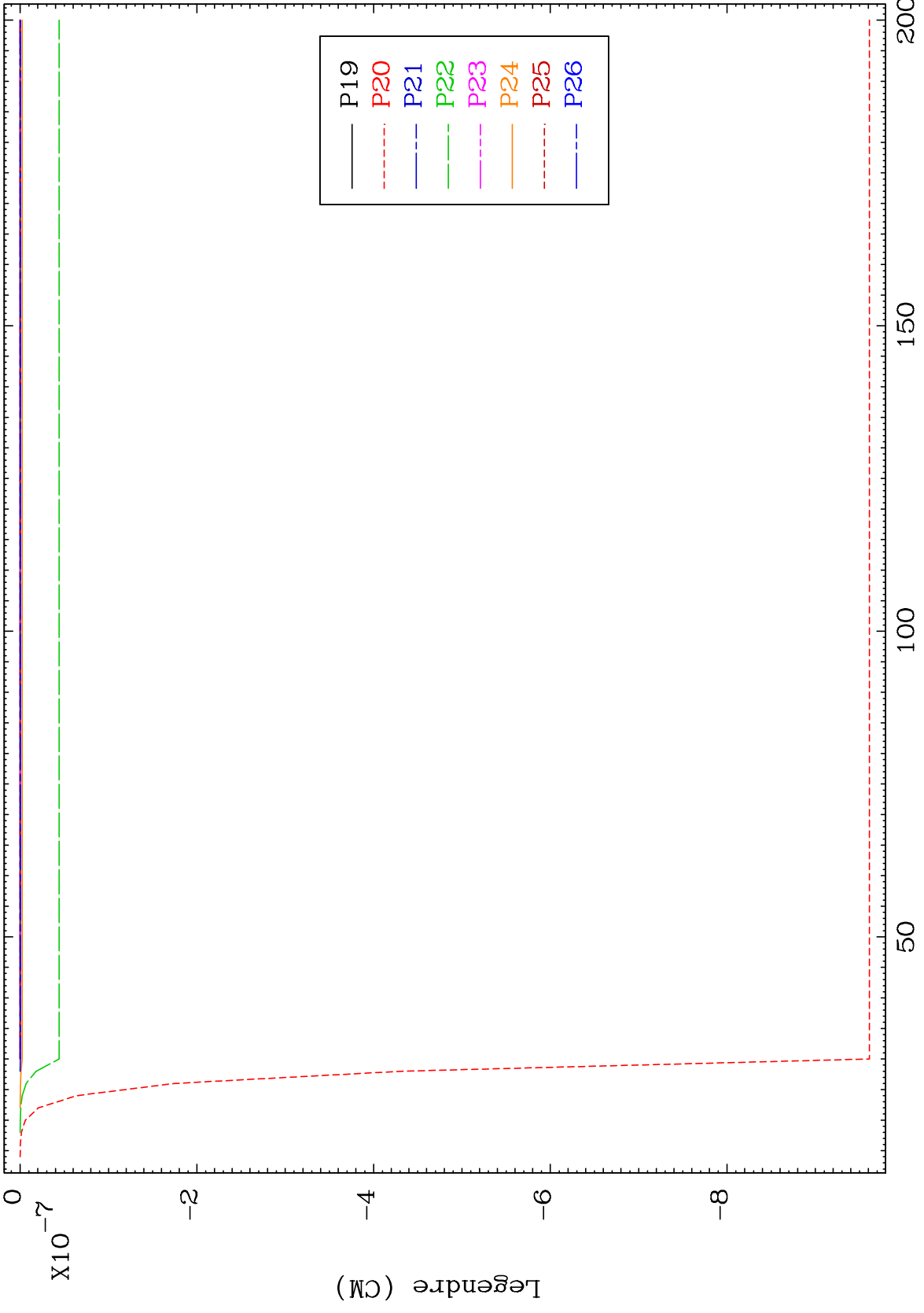
61-Pm-146



109

61-Pm-146

MAT 6146 MT= 76 (n,n') Level Legendre Coefficients 61-Pm-146

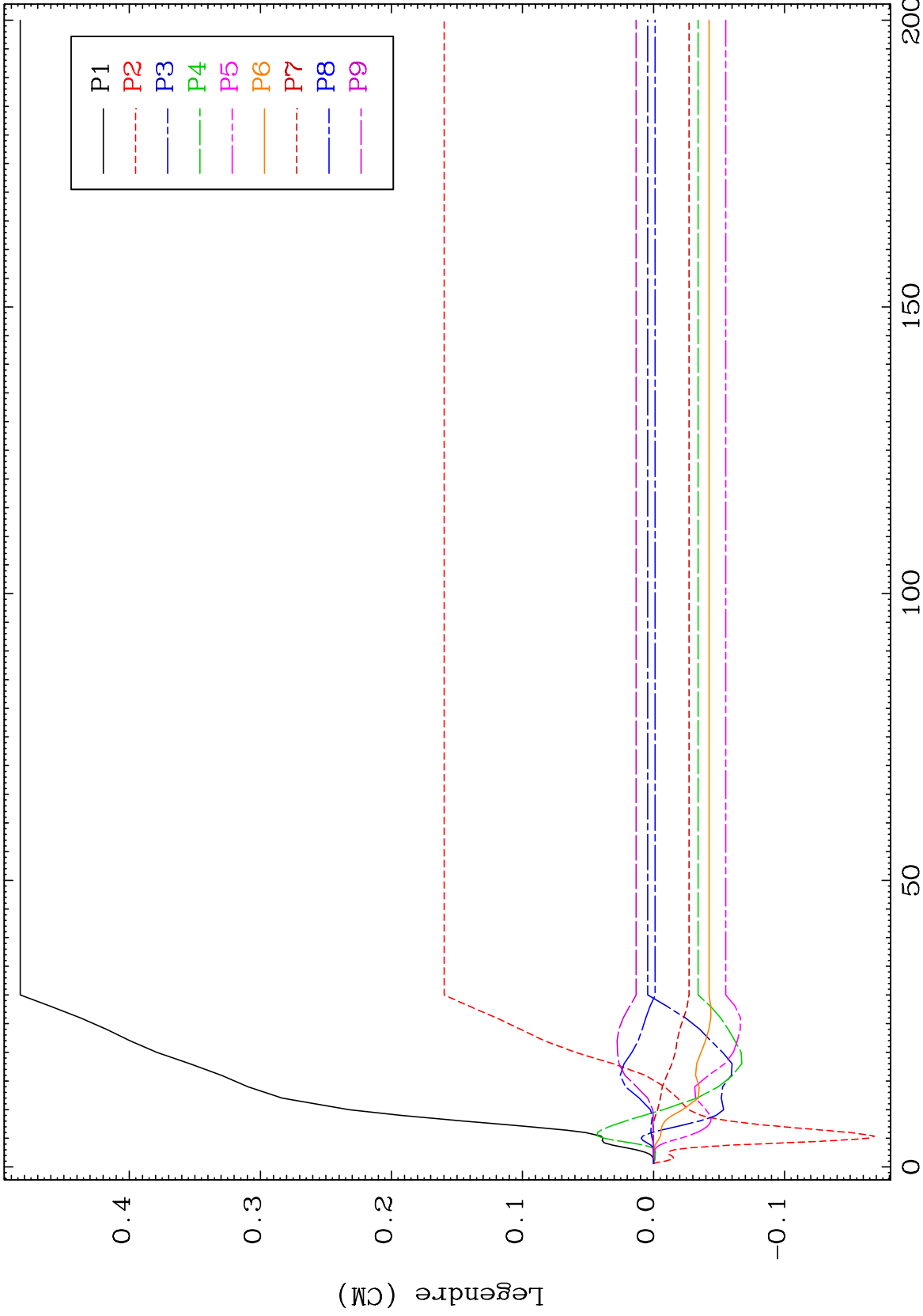


110 61-Pm-146

MAT 6146

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

61-Pm-146



111

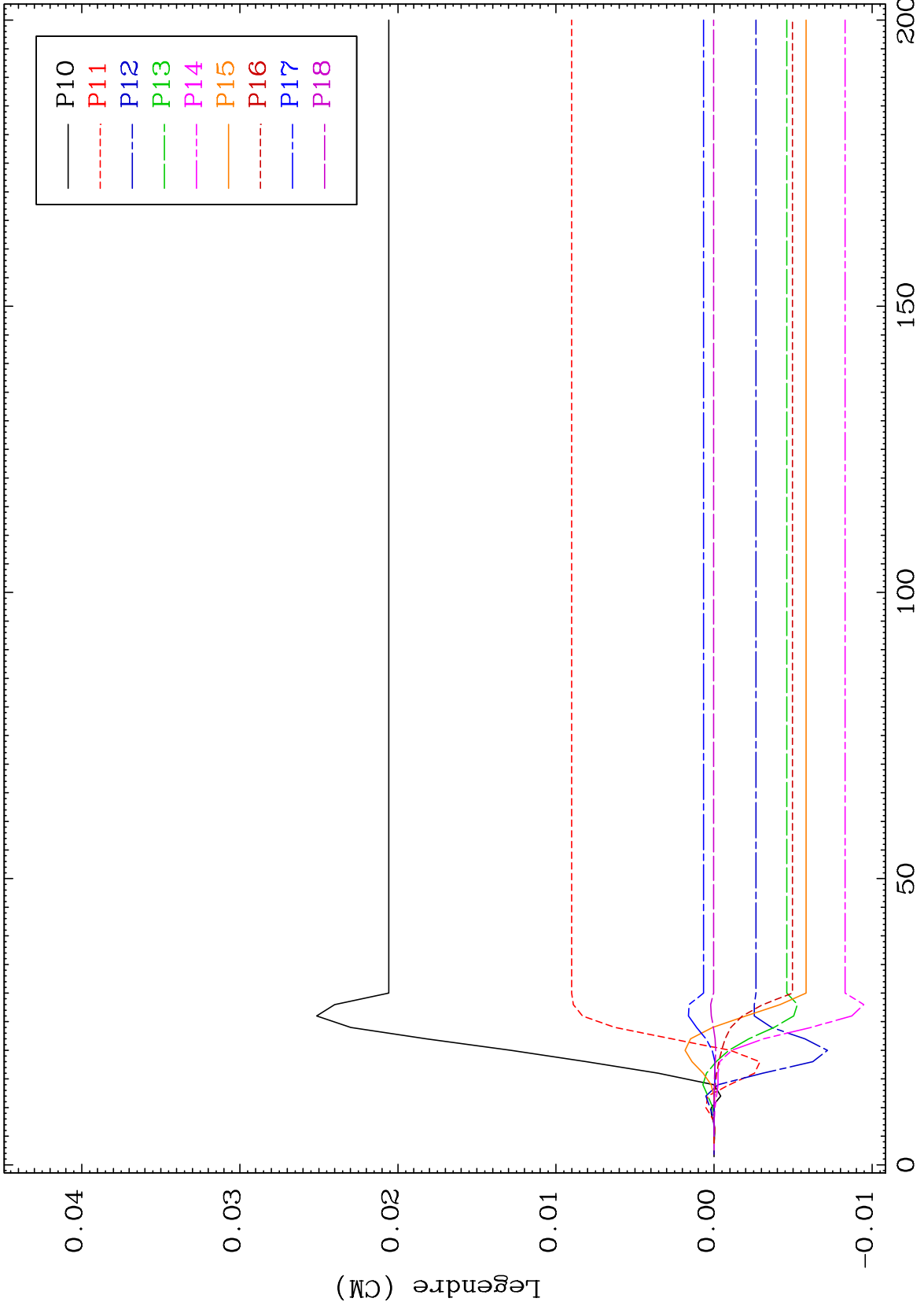
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



112

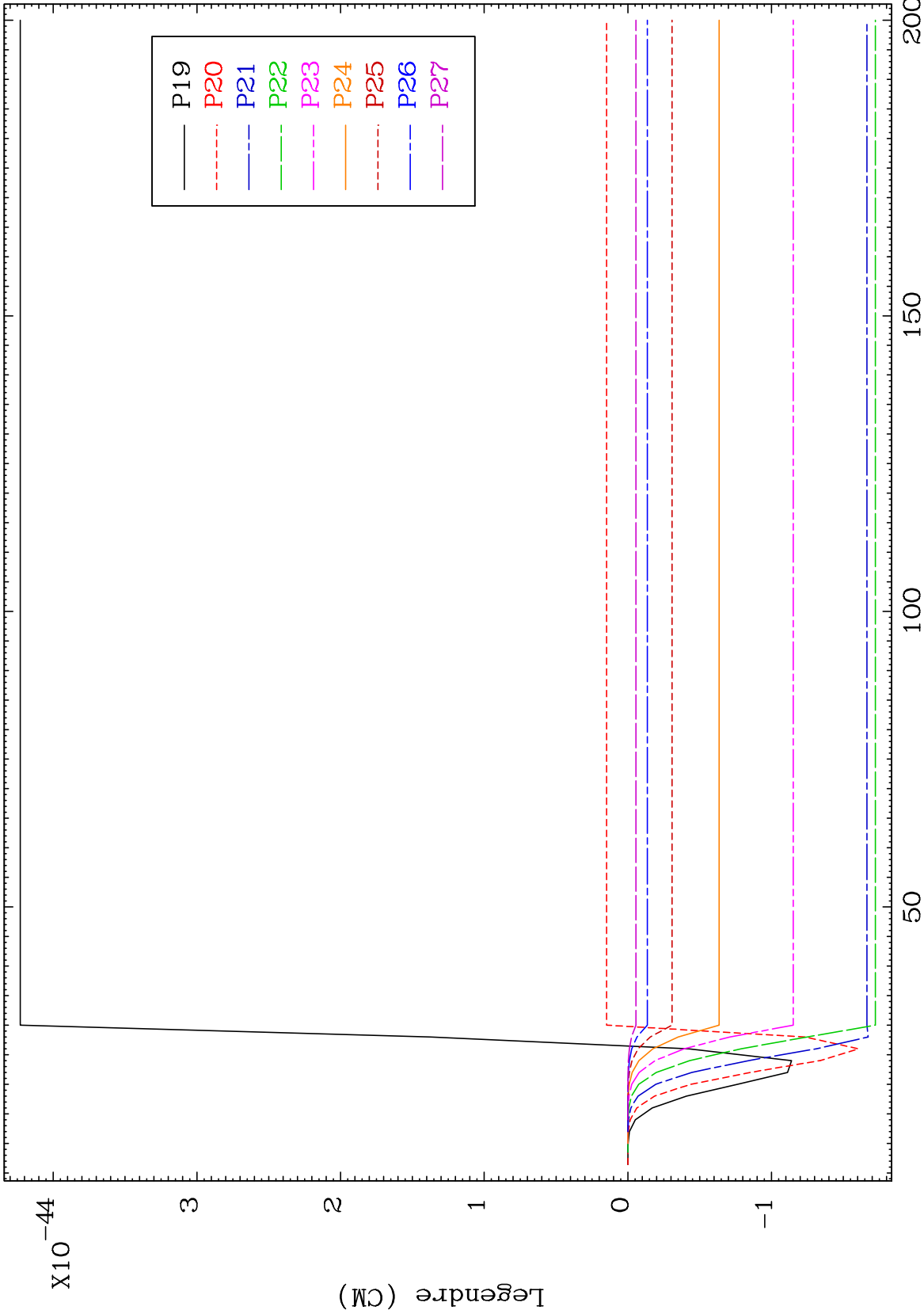
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



113

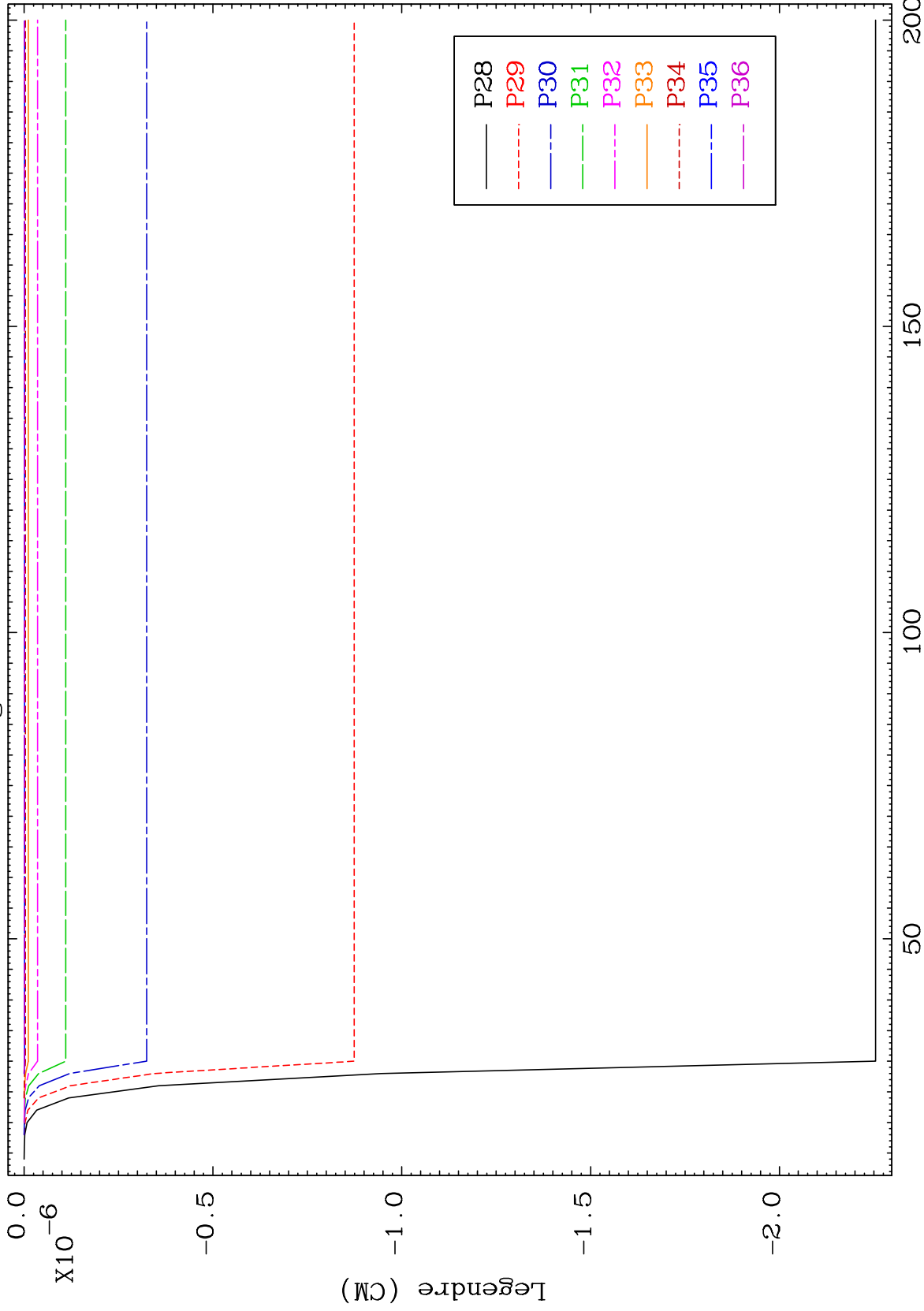
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146

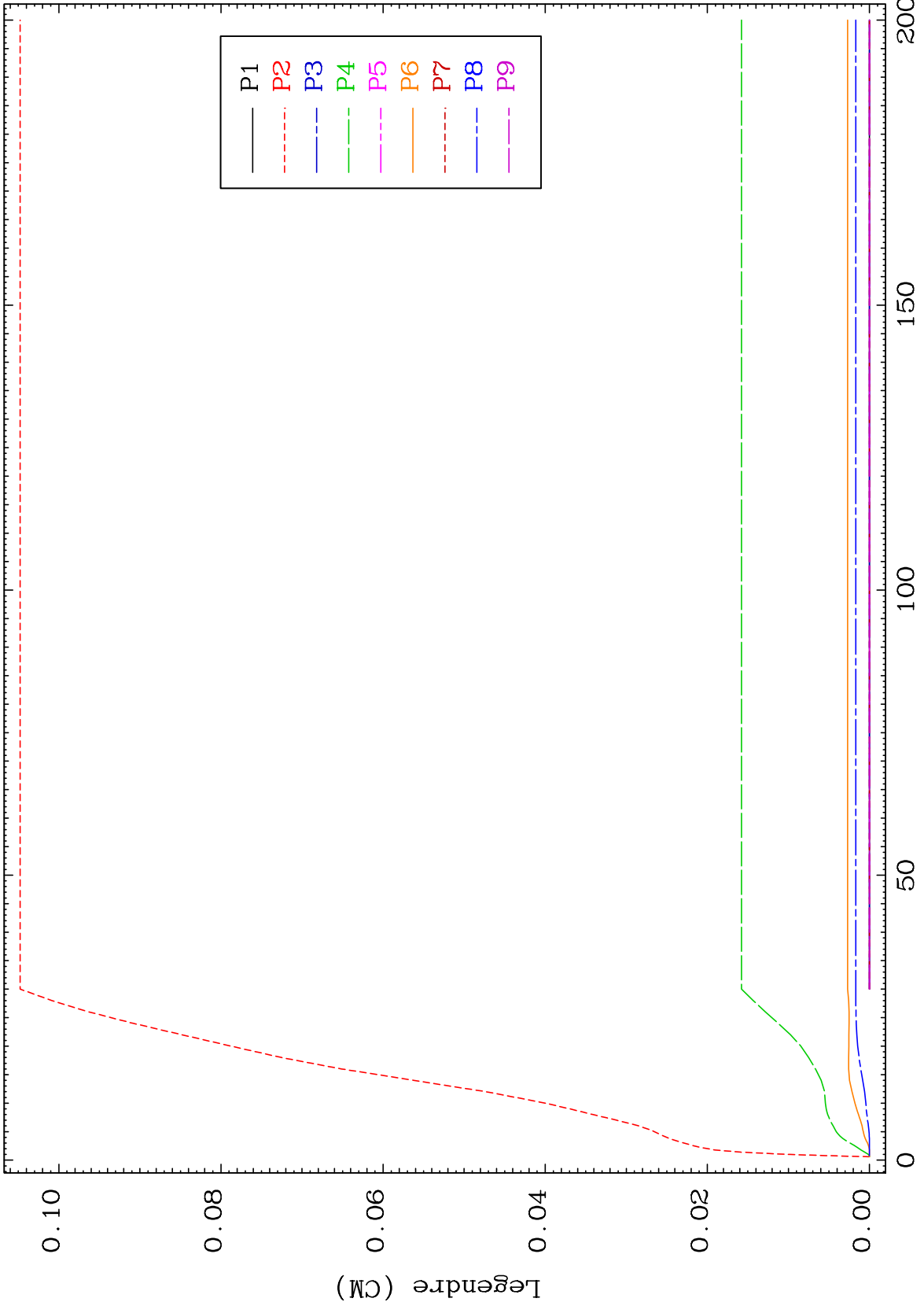


114

Incident Energy (MeV)

61-Pm-146

MAT 6146 MT= 78 (n,n') Level Legendre Coefficients 61-Pm-146

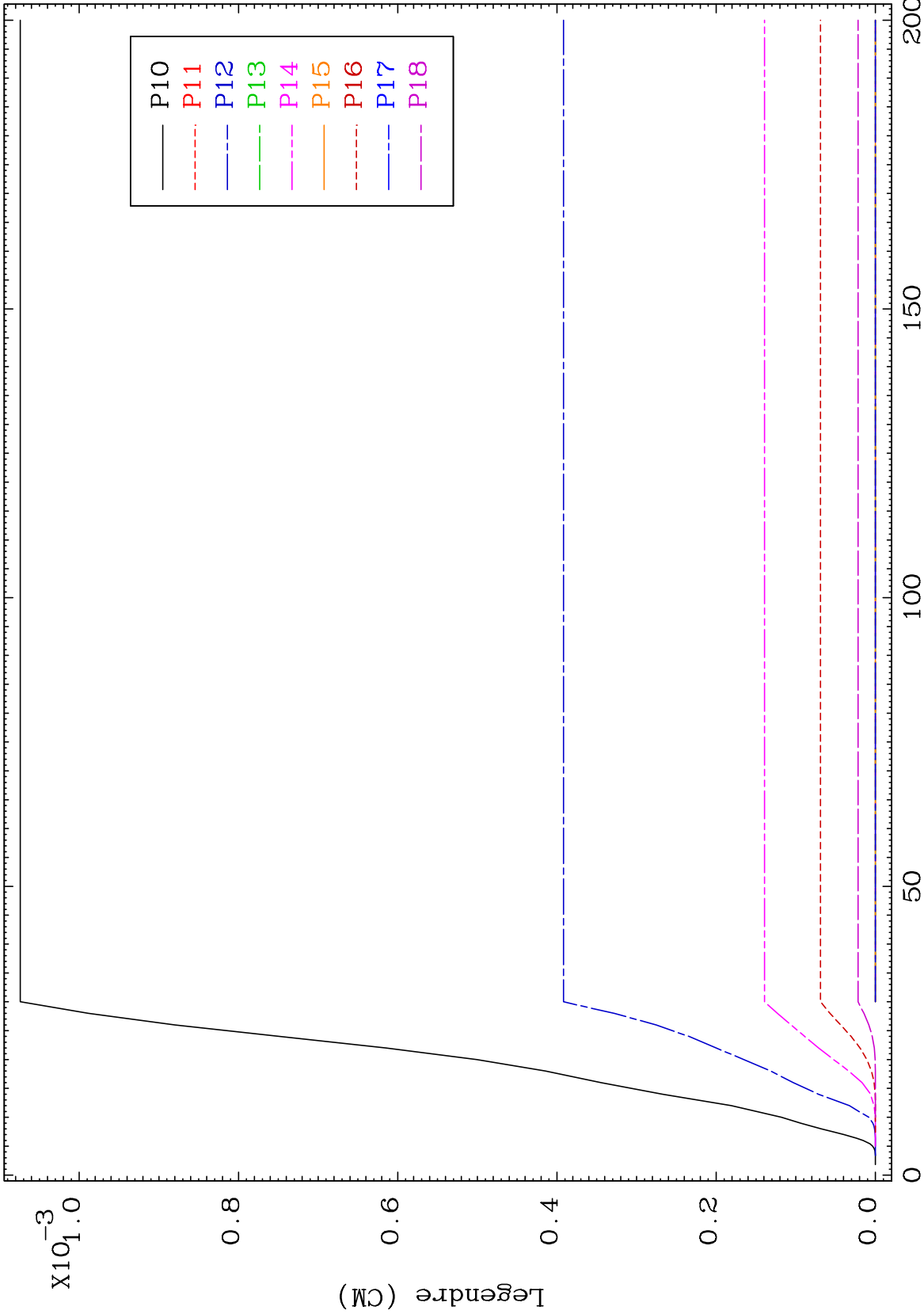


115 Incident Energy (MeV) 61-Pm-146

MAT 6146

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

61-Pm-146



116

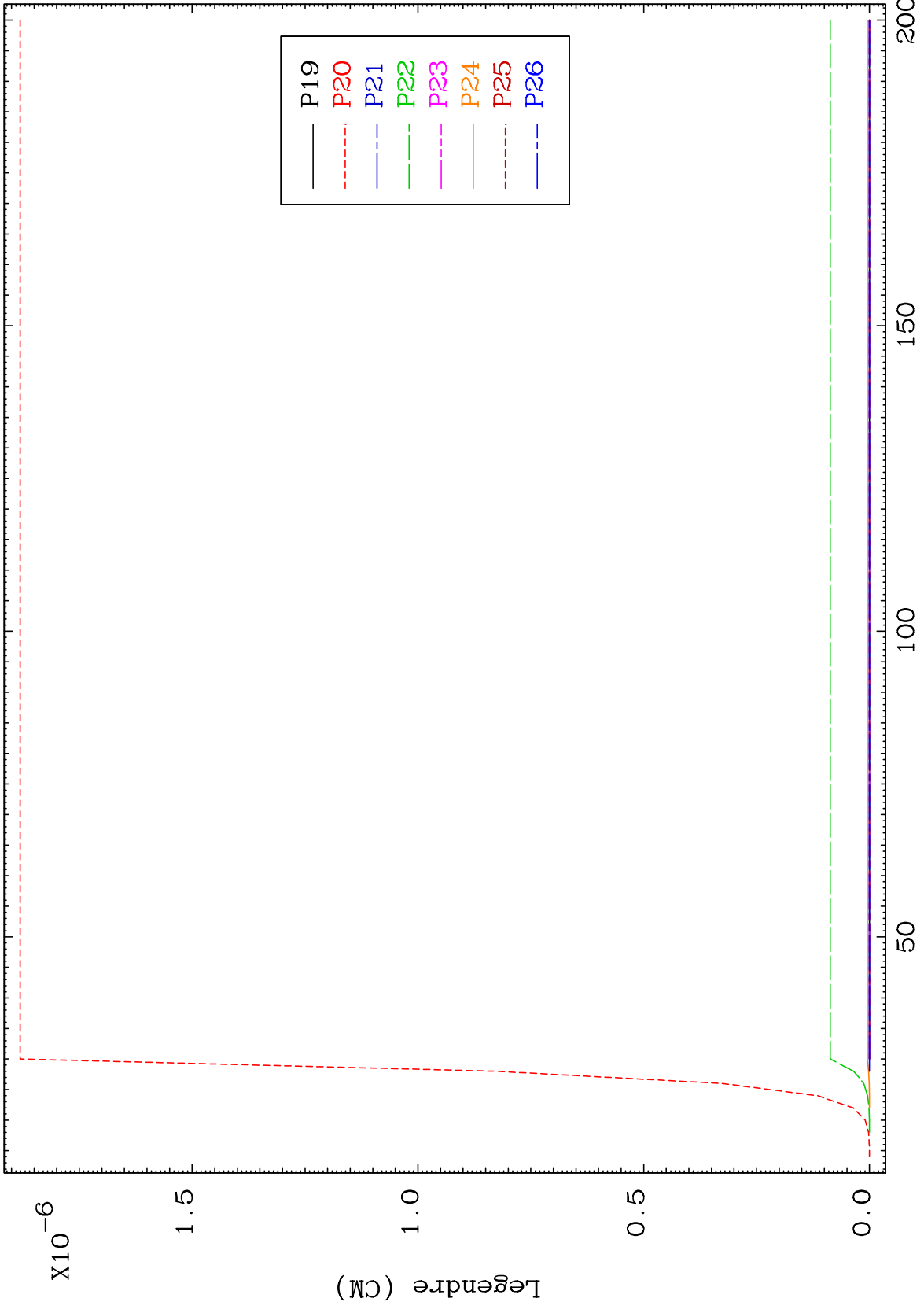
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



117

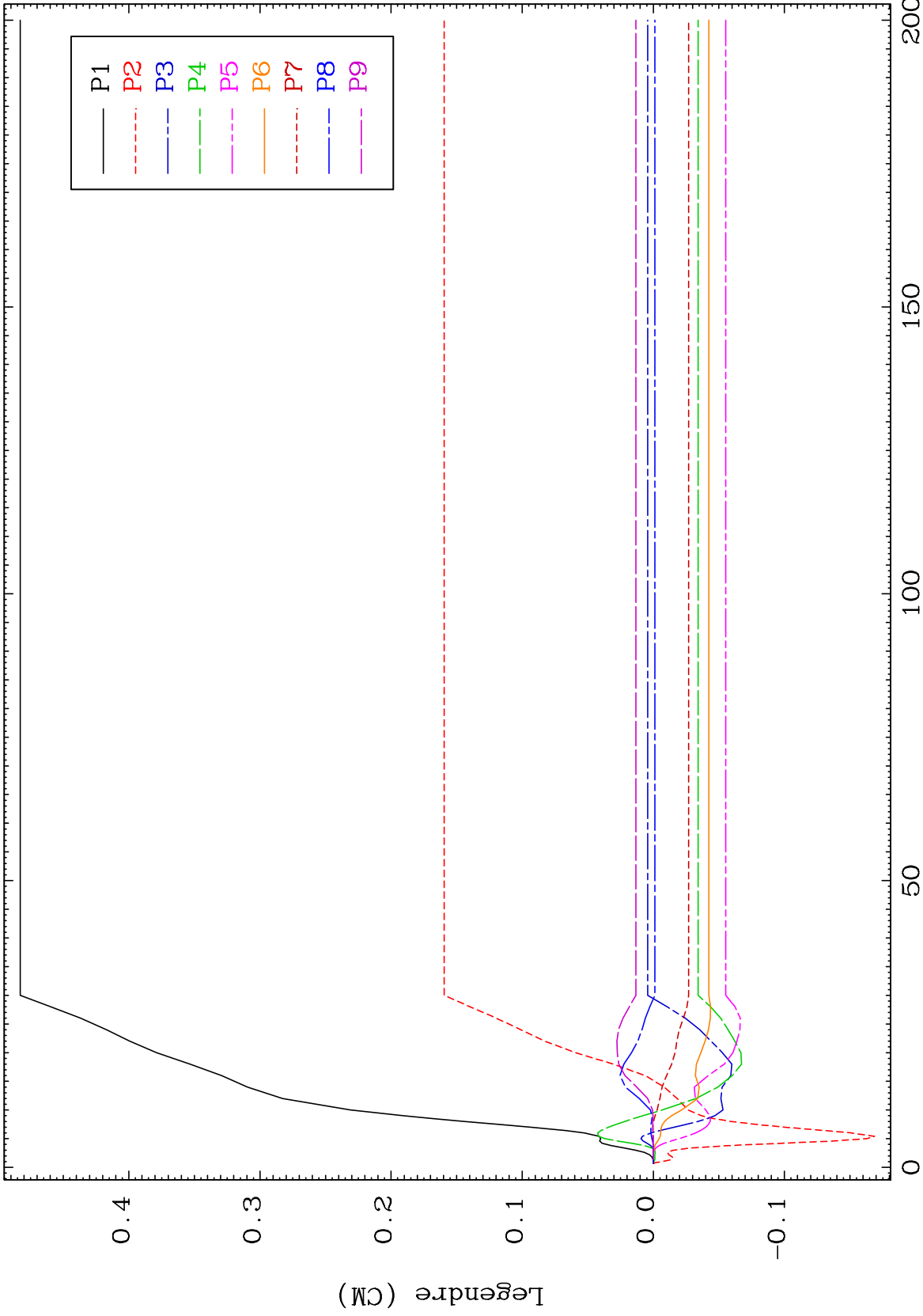
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



118

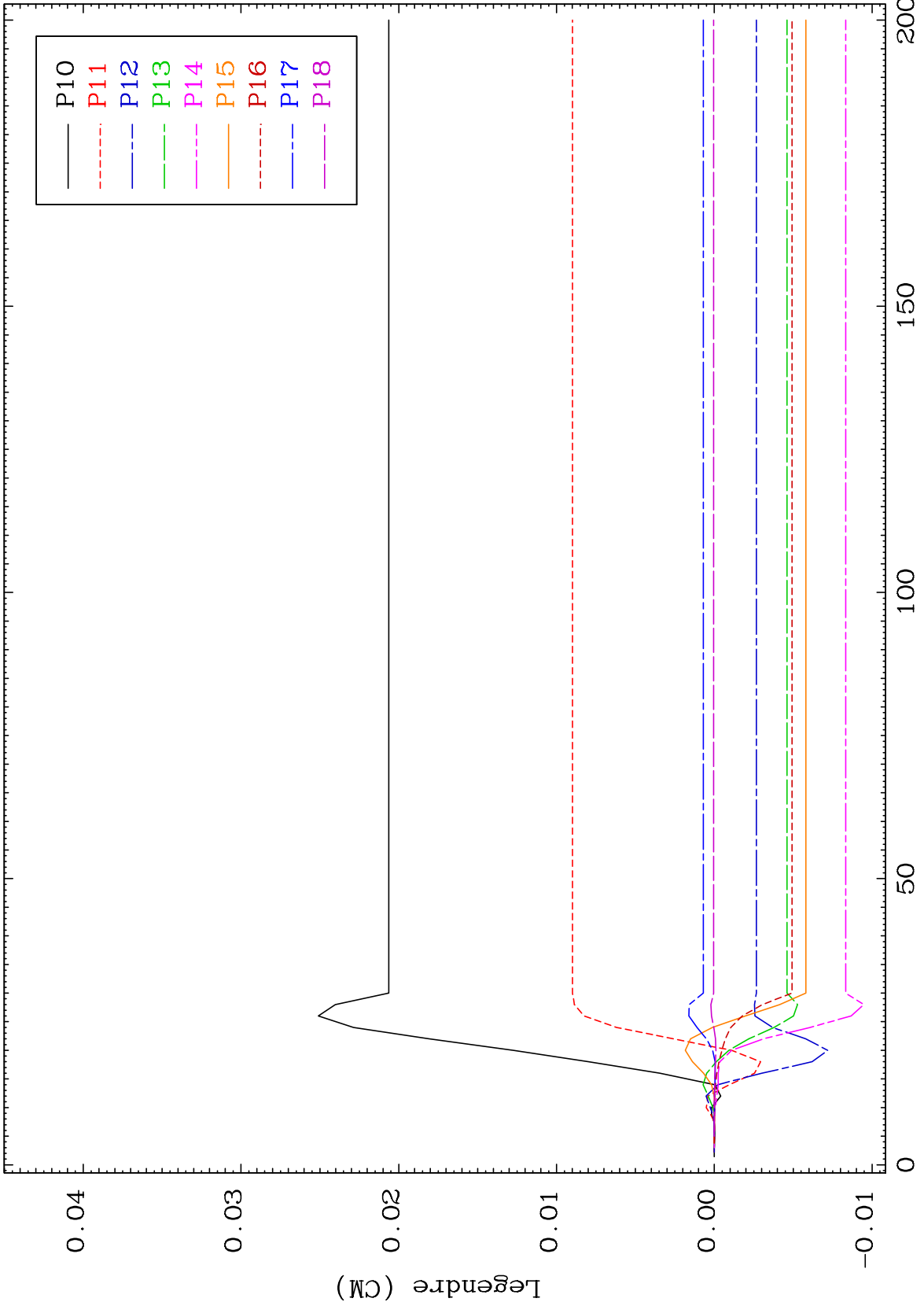
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



119

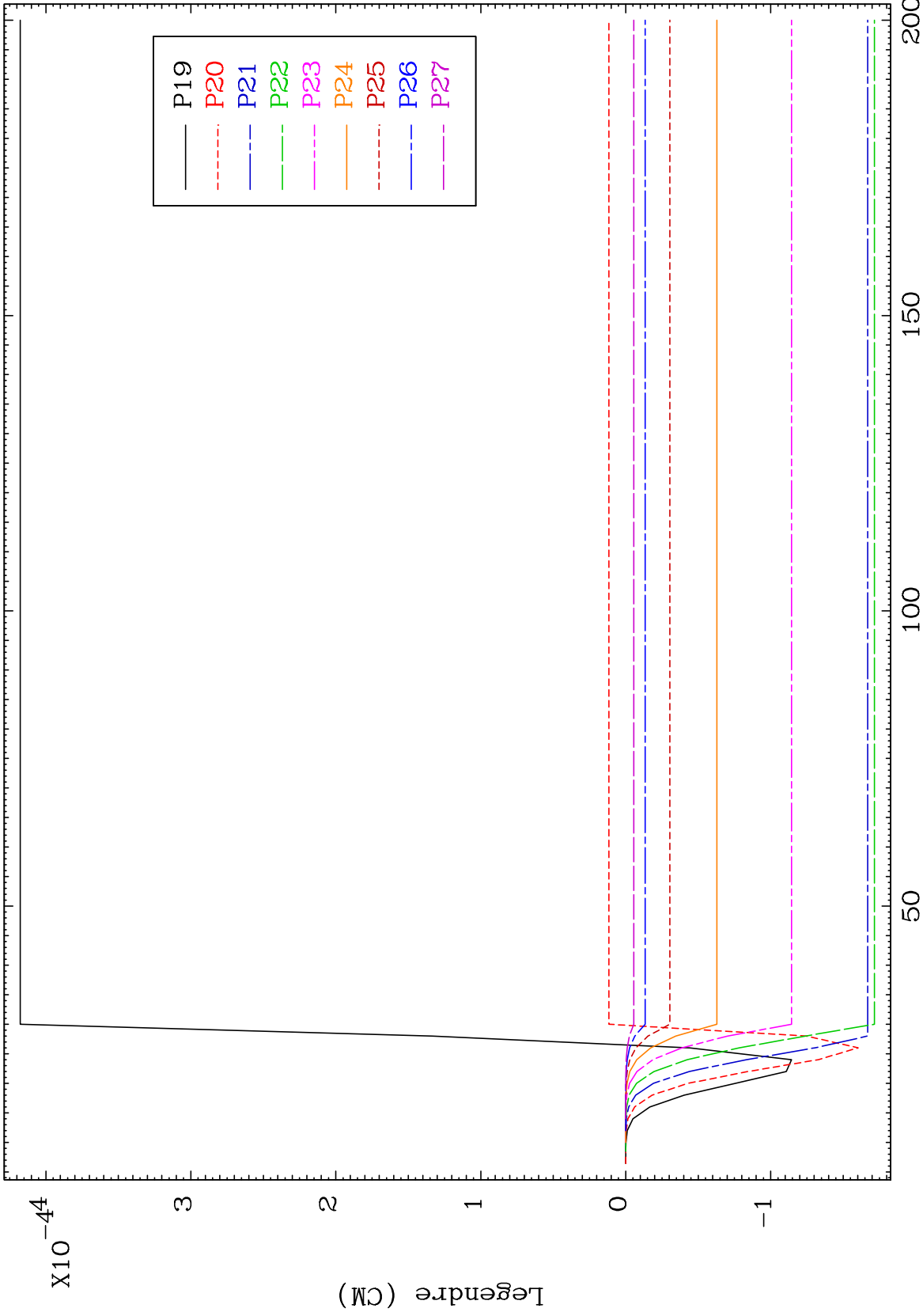
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



120

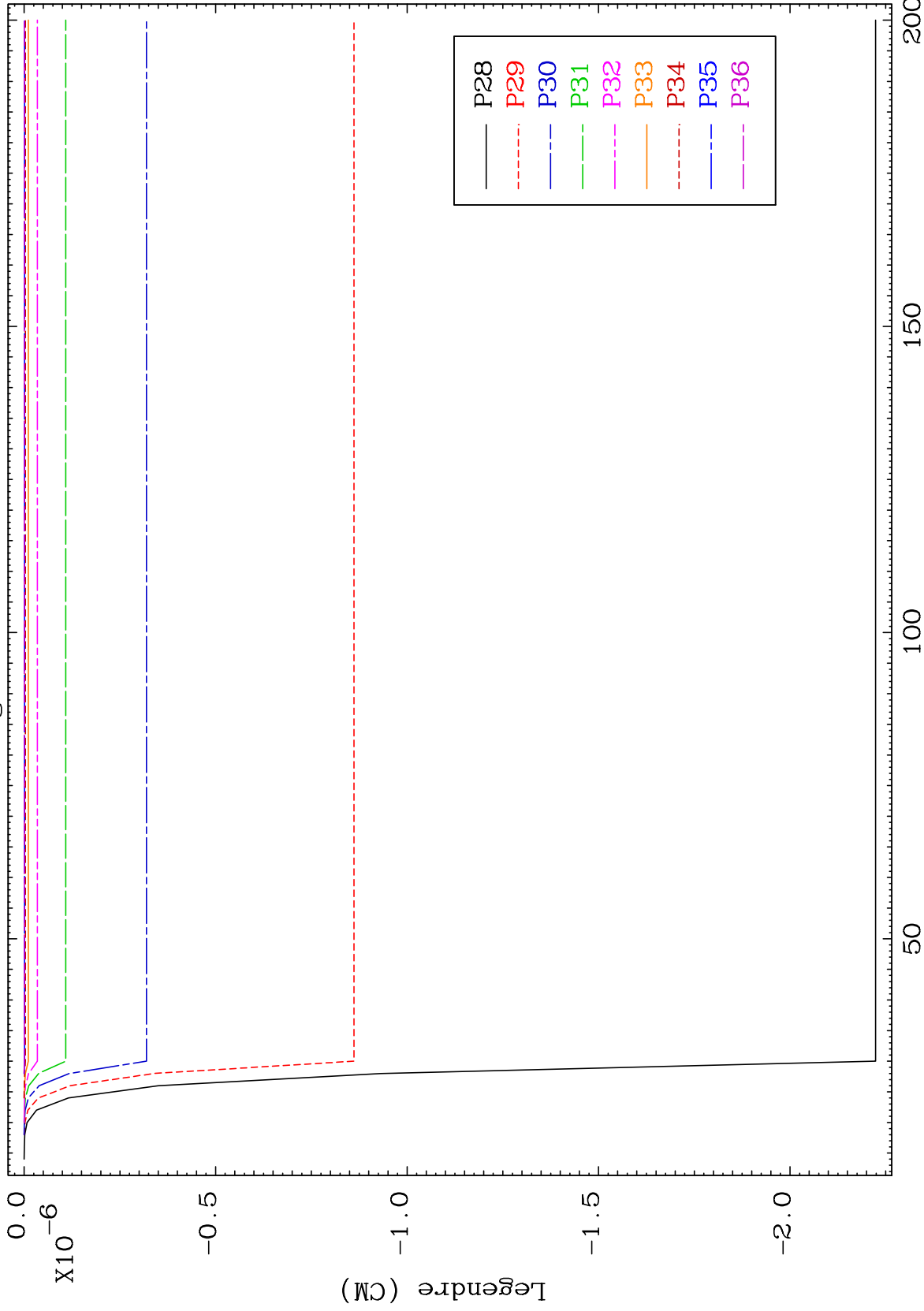
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



61-Pm-146

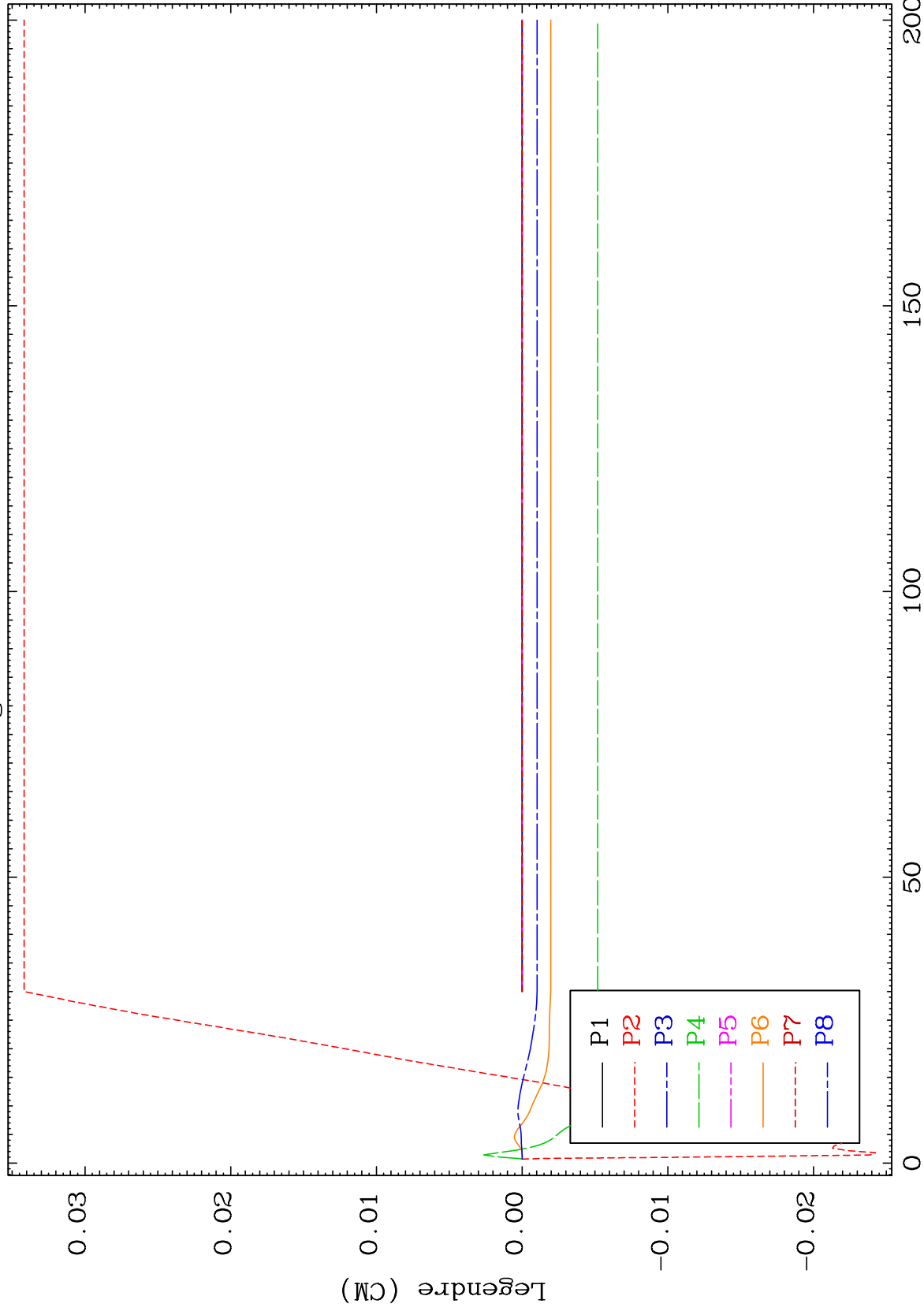
Incident Energy (MeV)

121

MAT 6146

MT= 80 (n,n') Level
Legendre Coefficients

61-Pm-146



122

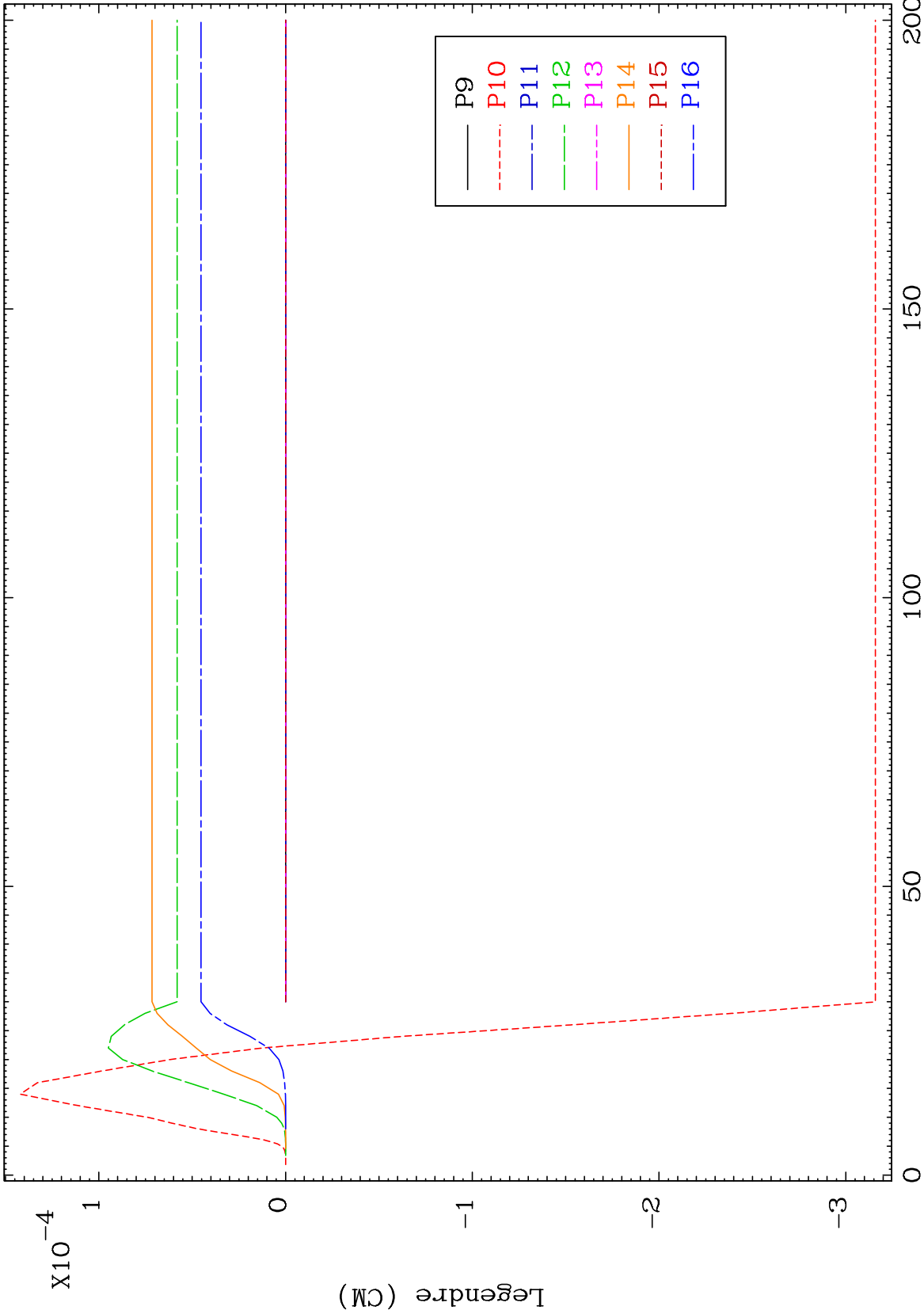
Incident Energy (MeV)

61-Pm-146

MAT 6146

MT= 80 (n,n') Level
Legendre Coefficients

61-Pm-146

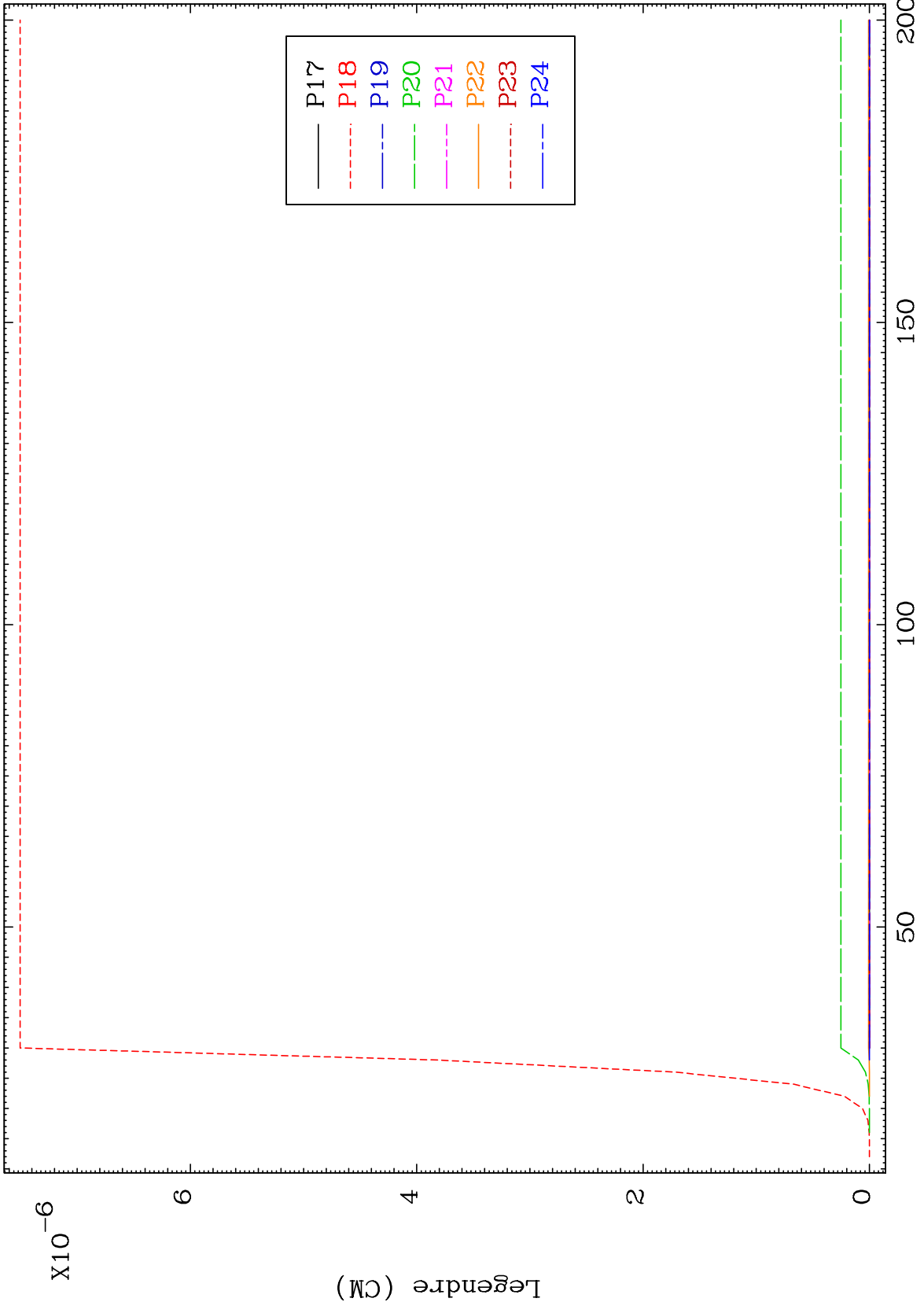


123

Incident Energy (MeV)

61-Pm-146

MAT 6146 MT= 80 (n,n') Level Legendre Coefficients 61-Pm-146



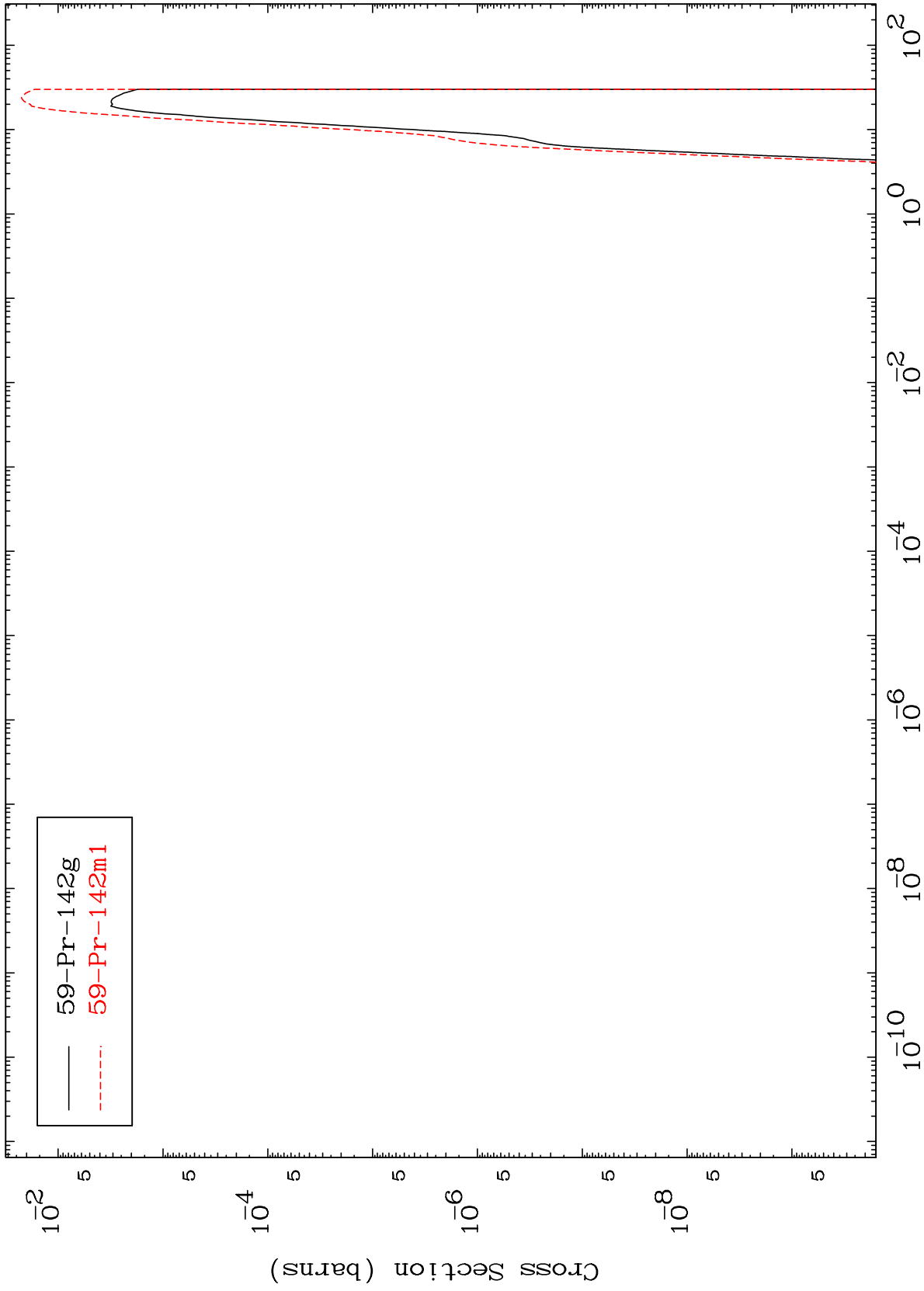
124 Incident Energy (MeV) 61-Pm-146

MAT 6146

$(n, n') \alpha$

61-Pm-146

Radionuclide Production Cross Section



125

Incident Energy (MeV)

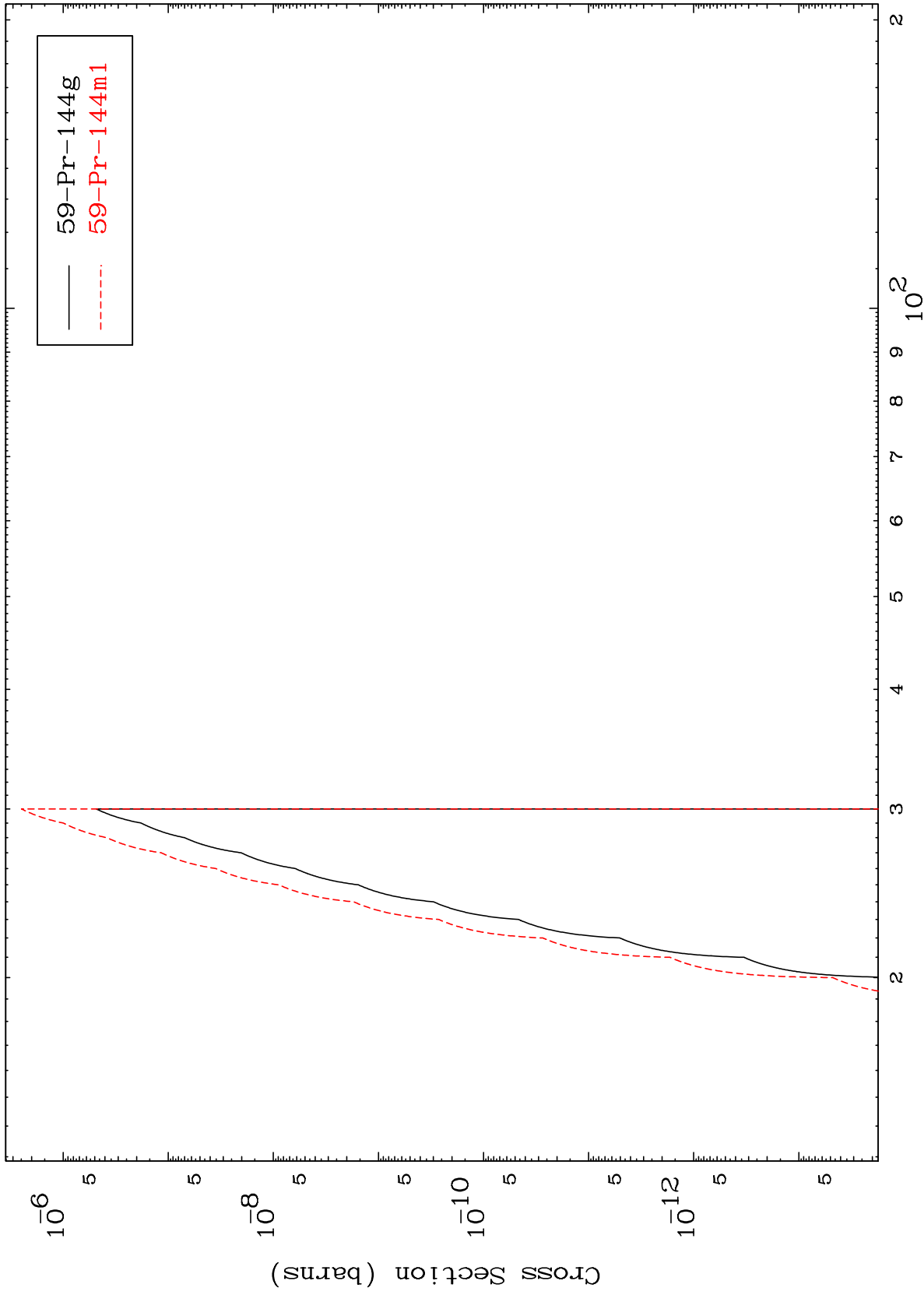
61-Pm-146

MAT 6146

(n,2n) p

61-Pm-146

Radionuclide Production Cross Section



126

Incident Energy (MeV)

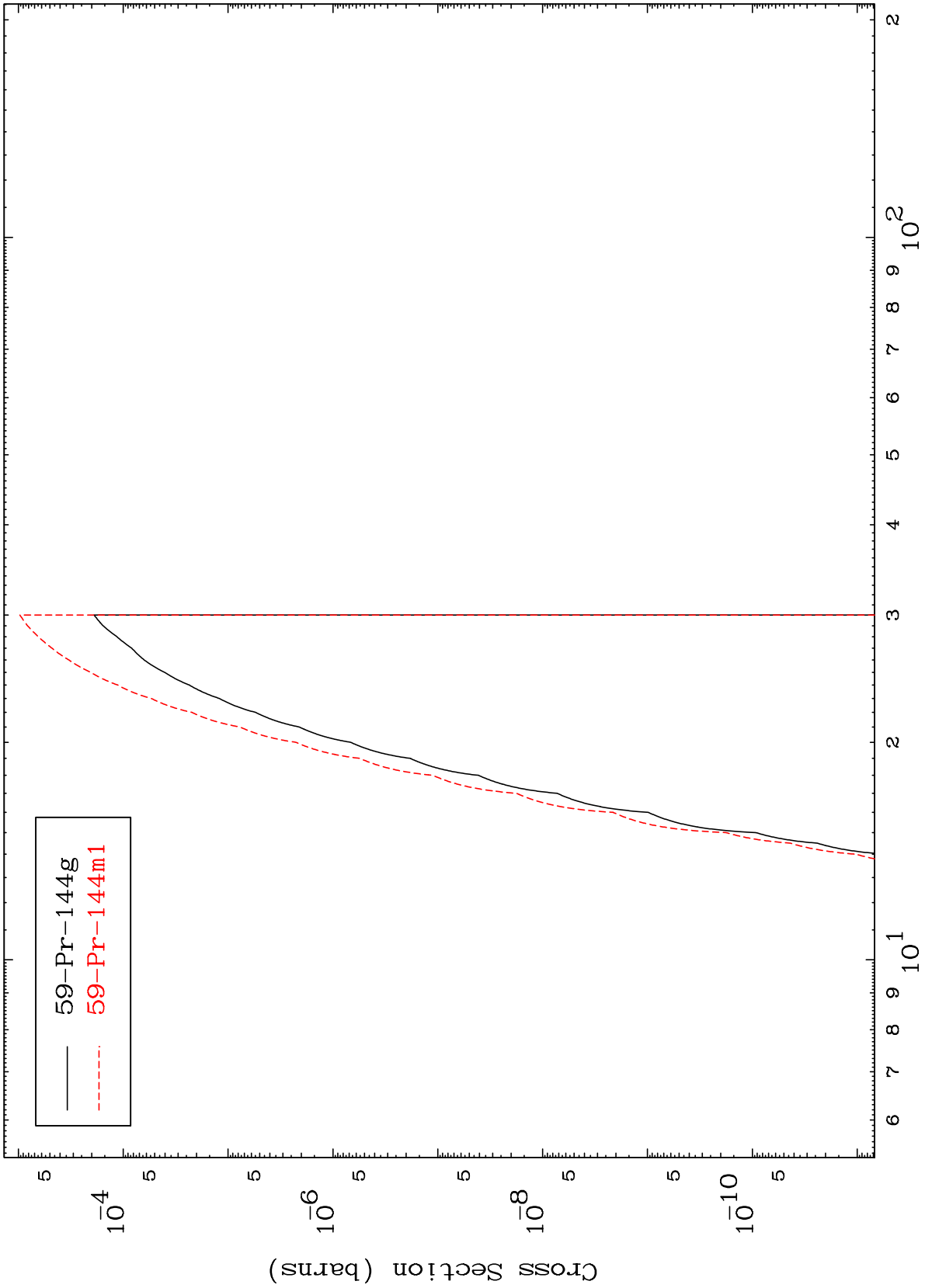
61-Pm-146

MAT 6146

(n, He-3)

61-Pm-146

Radionuclide Production Cross Section



127

Incident Energy (MeV)

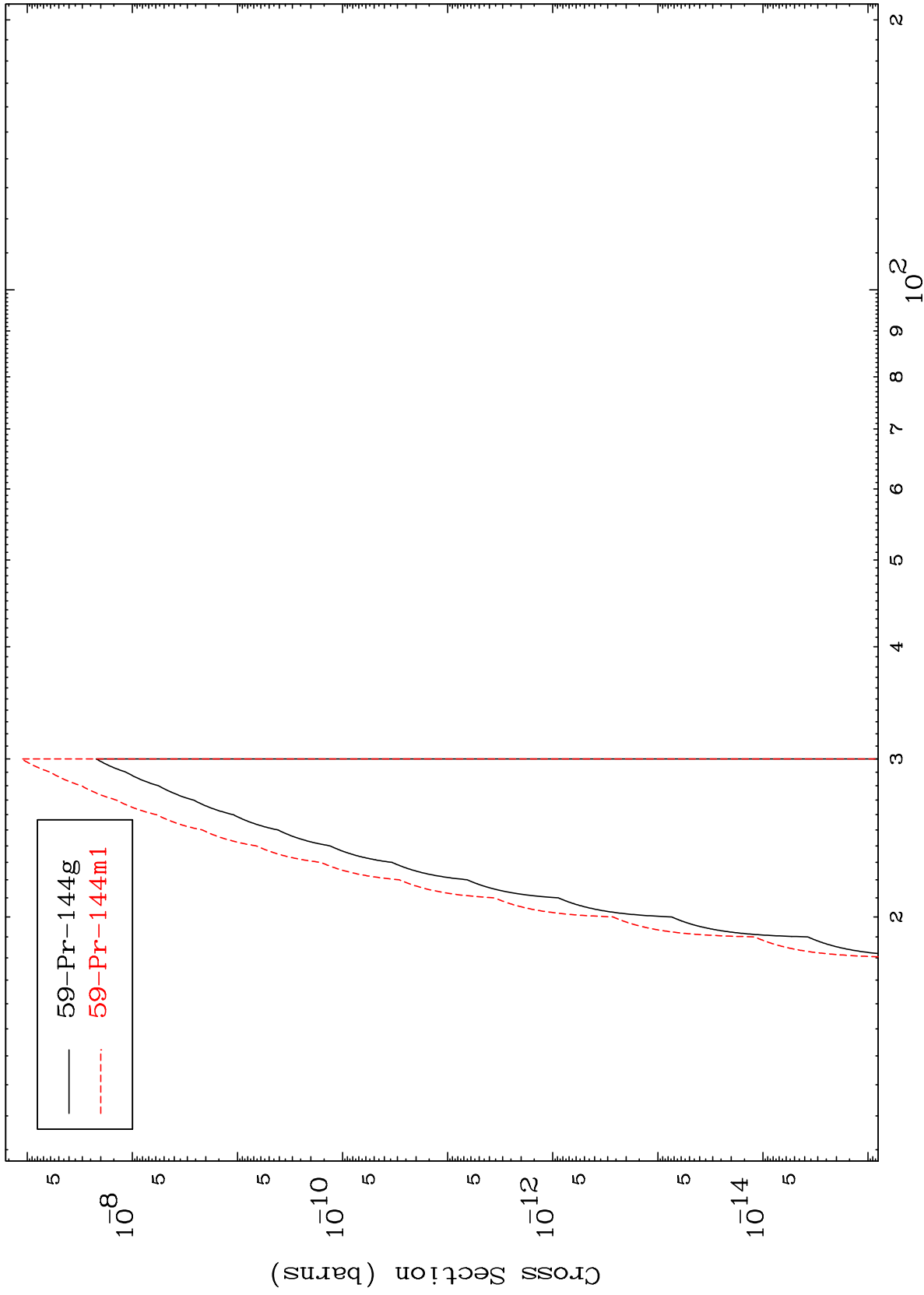
61-Pm-146

MAT 6146

(n,p) d

61-Pm-146

Radionuclide Production Cross Section



128

Incident Energy (MeV)

61-Pm-146