

Program EVALPLOT  
(Version 2018-1)

by

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Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

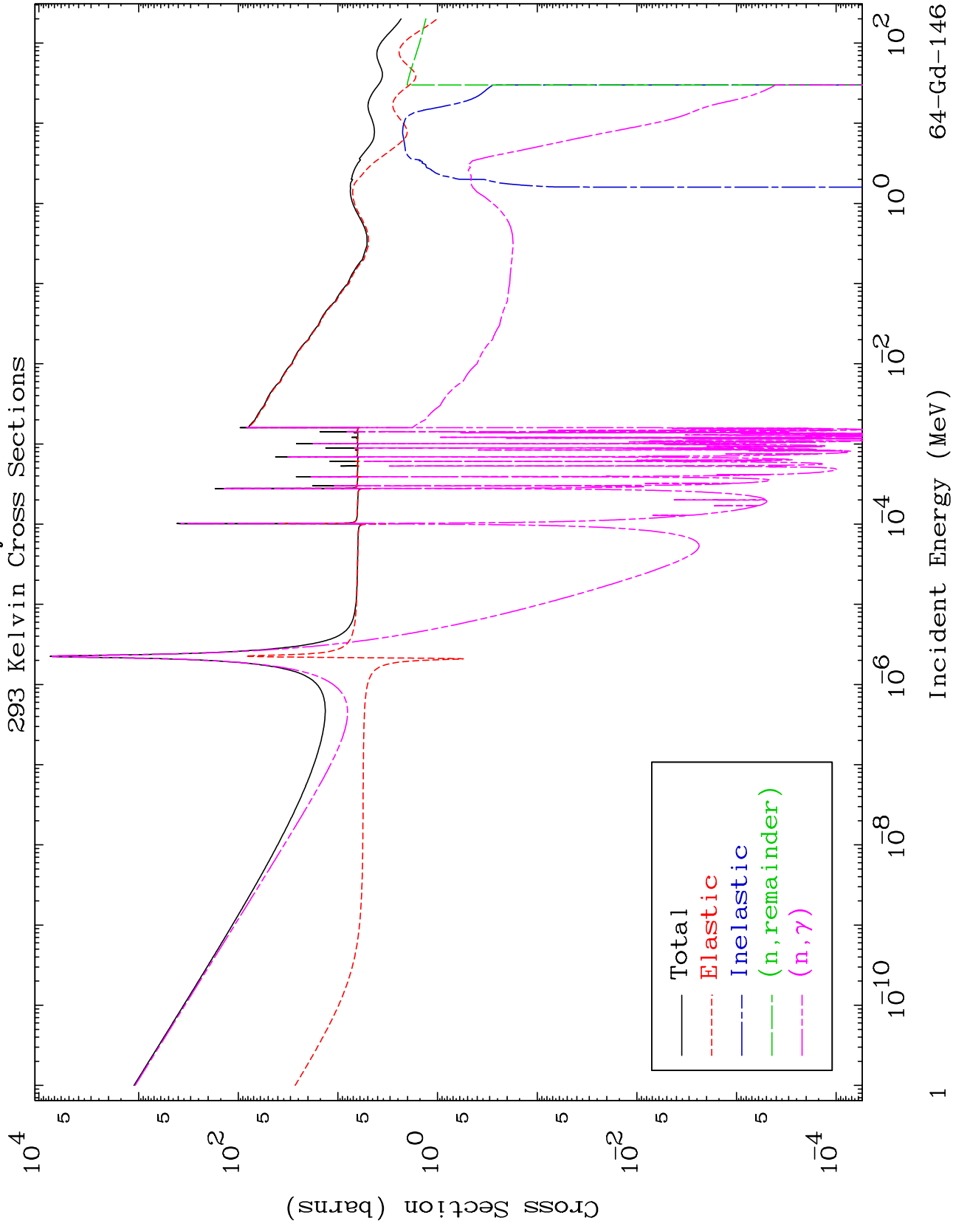
Press Mouse Button to Start

MAT 6407

Major

293 Kelvin Cross Sections

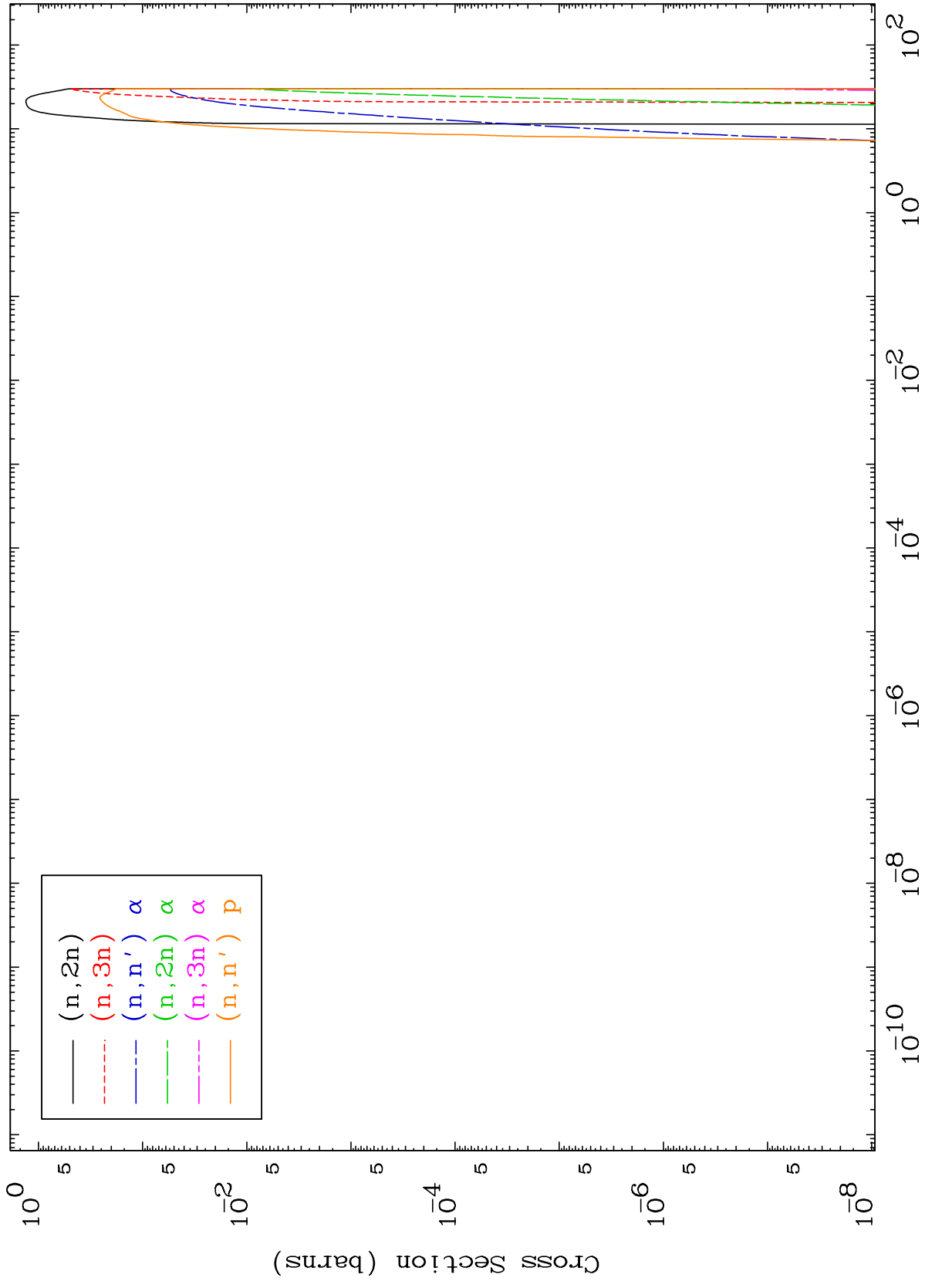
64-Gd-146



MAT 6407

Neutron Production  
293 Kelvin Cross Sections

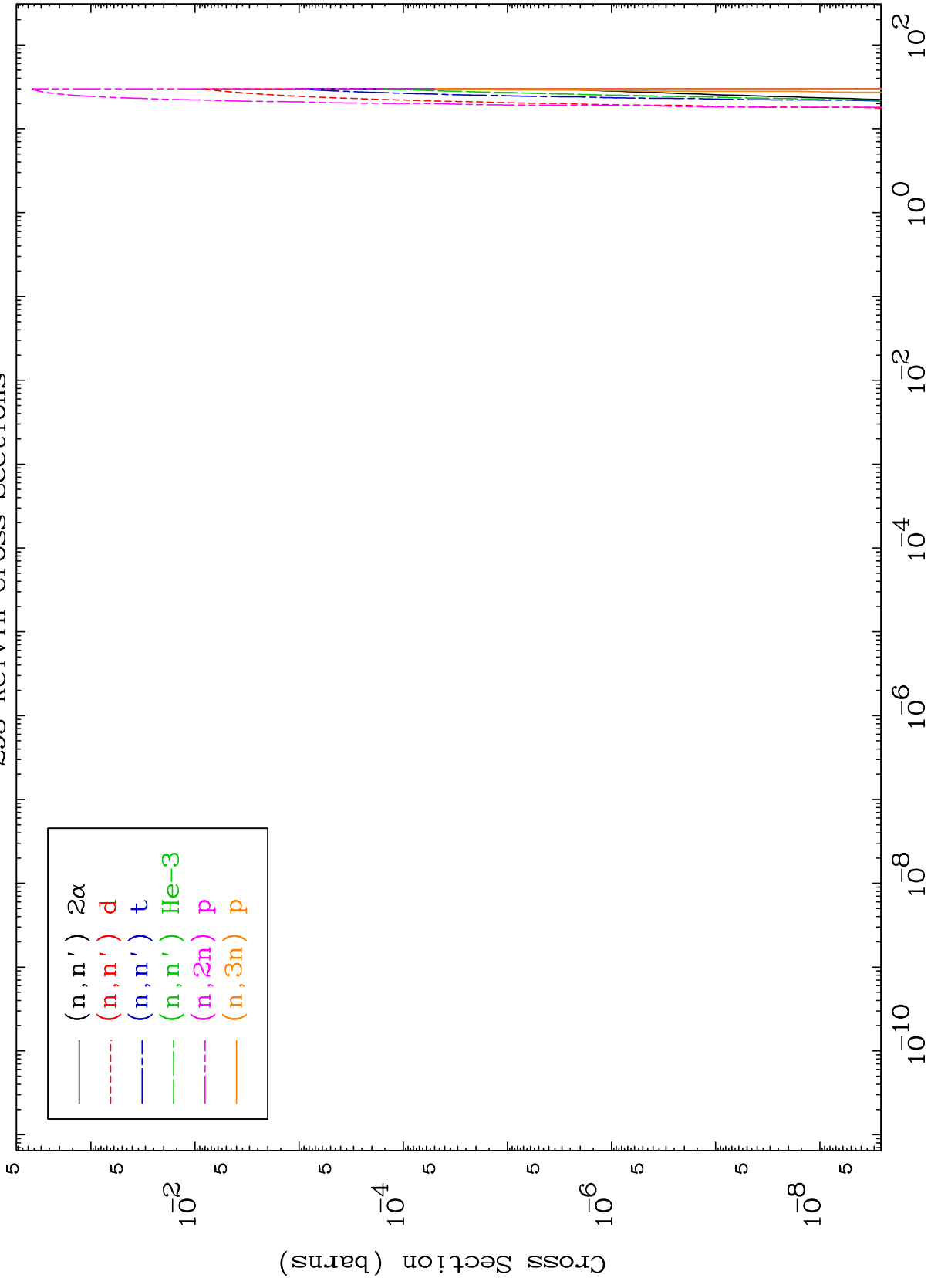
64-Gd-146



MAT 6407

Neutron Production  
293 Kelvin Cross Sections

64-Gd-146

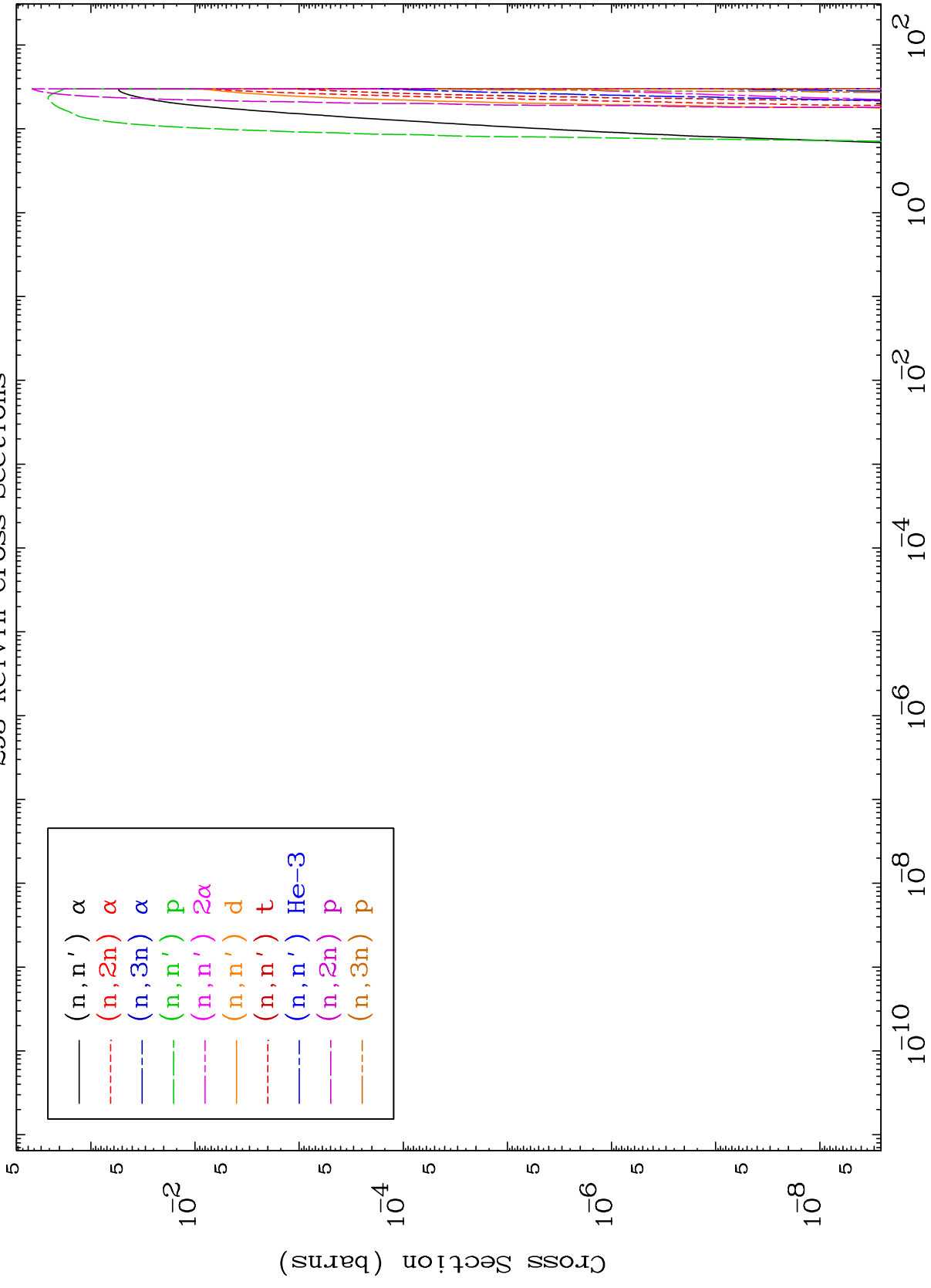


64-Gd-146

MAT 6407

293 Charged Particle  
Kelvin Cross Sections

64-Gd-146

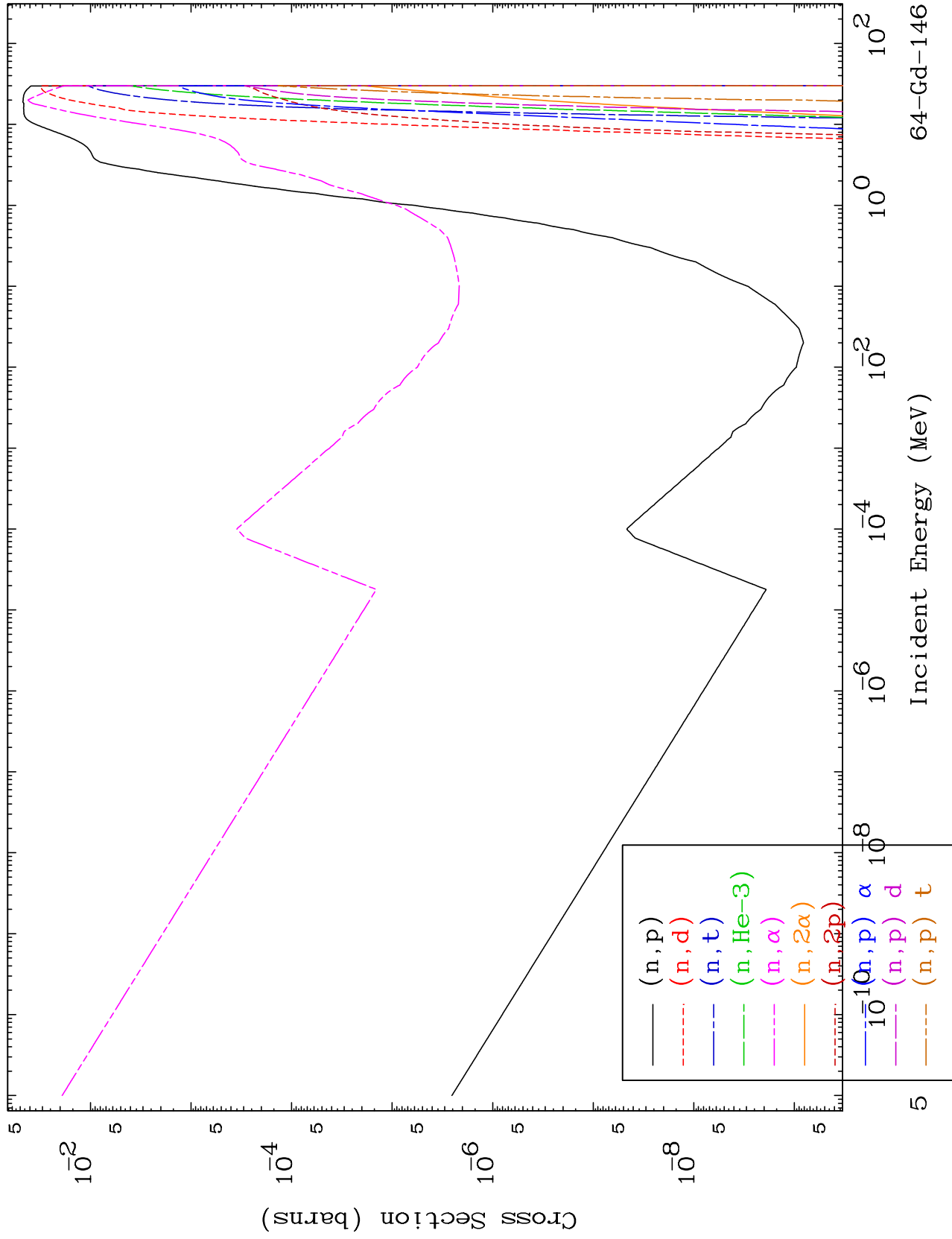


64-Gd-146

MAT 6407

293 Kelvin Cross Sections

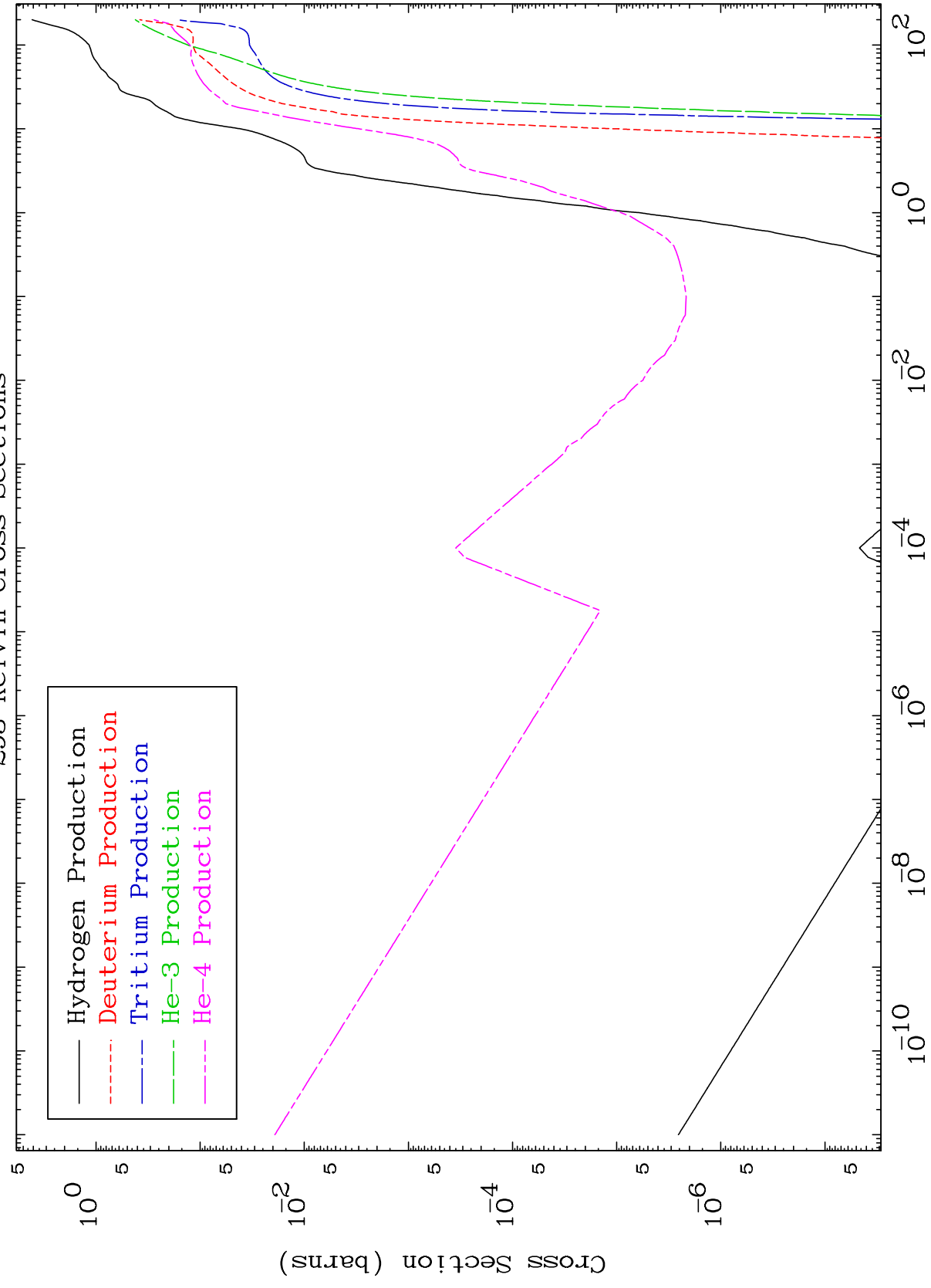
64-Gd-146



MAT 6407

Particle Production  
293 Kelvin Cross Sections

64-Gd-146



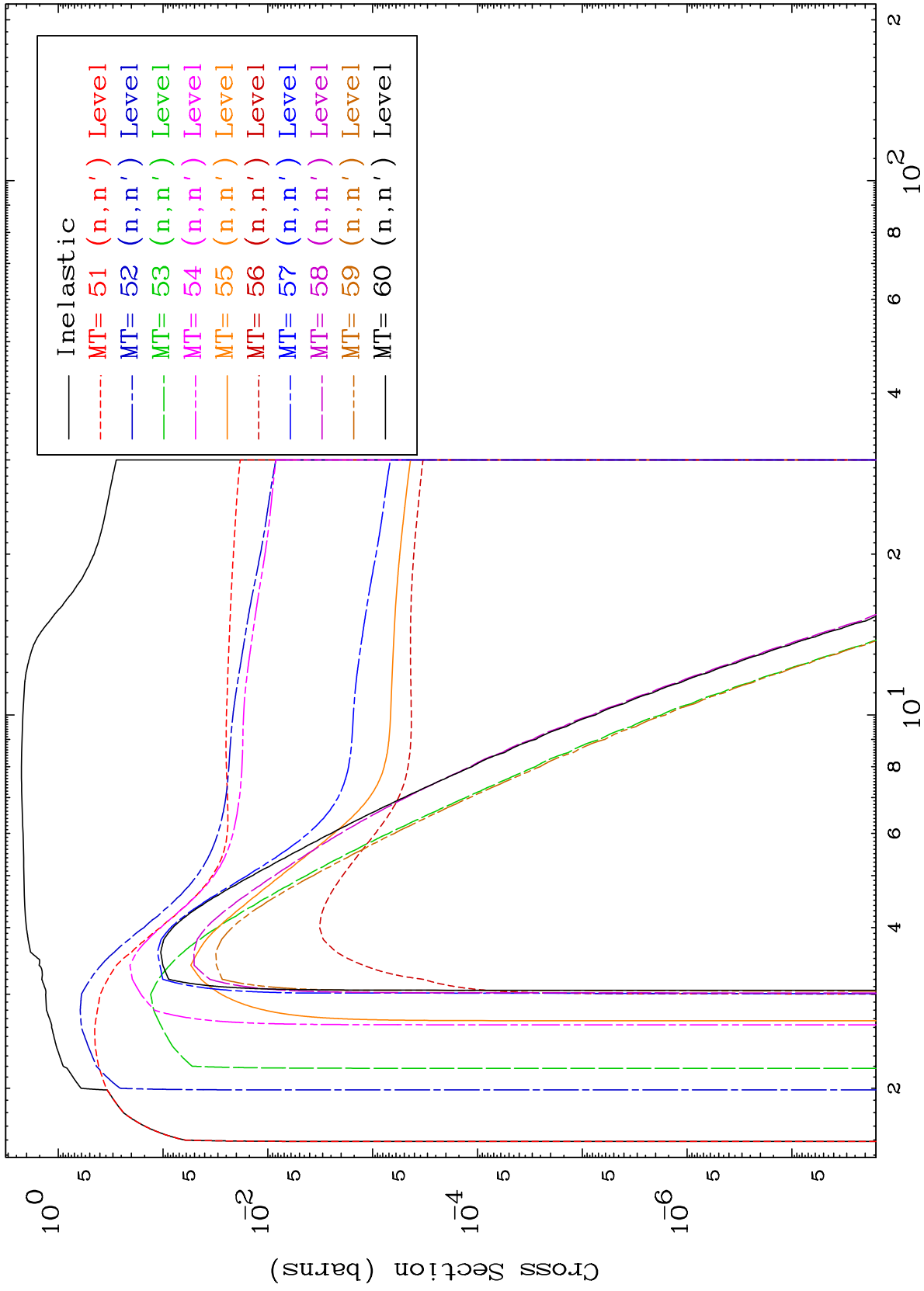
6

64-Gd-146

MAT 6407

(n,n') Level  
293 Kelvin Cross Sections

64-Gd-146



7

Incident Energy (MeV)

64-Gd-146

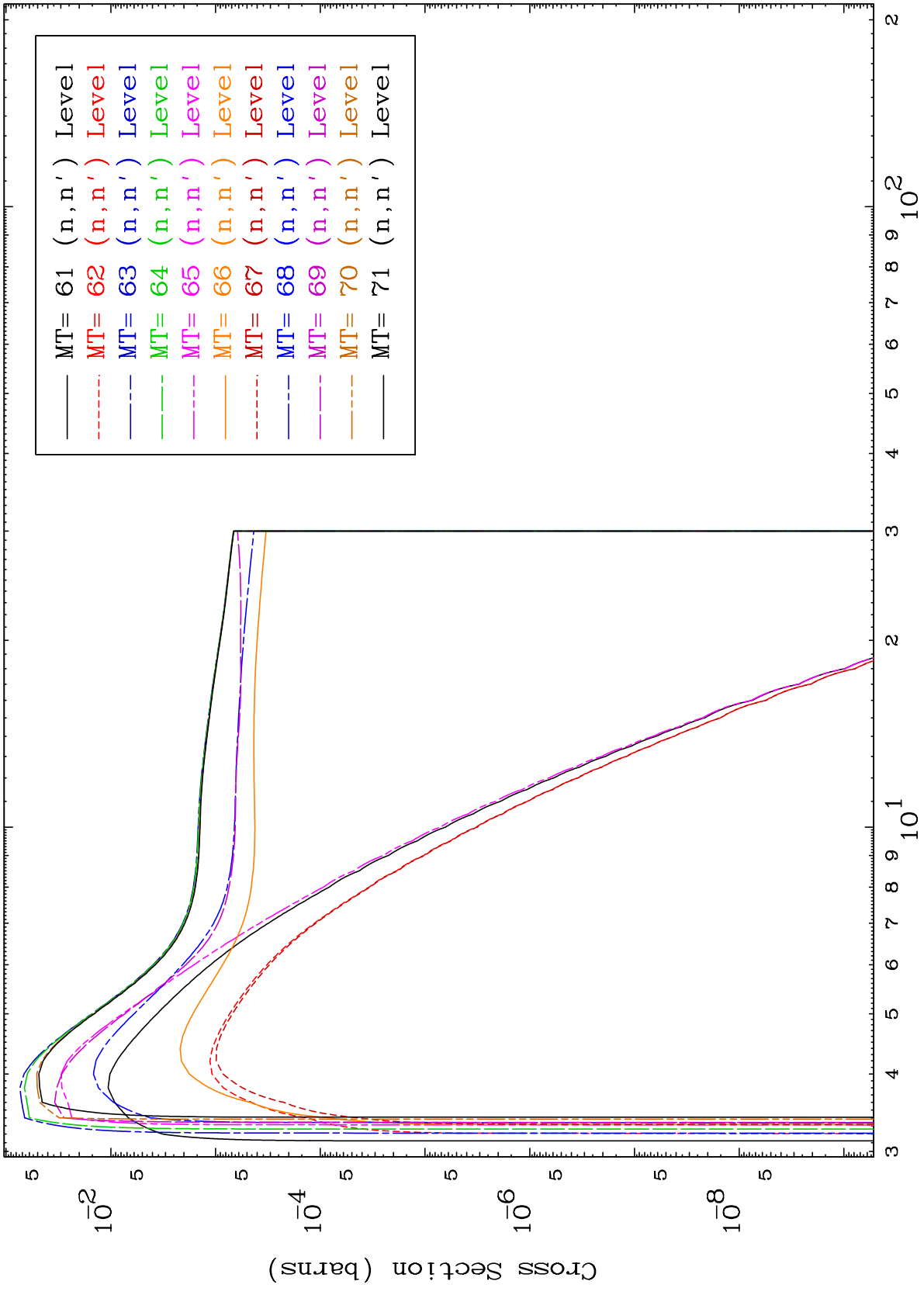


MAT 6407

(n,n') Level

64-Gd-146

293 Kelvin Cross Sections



8

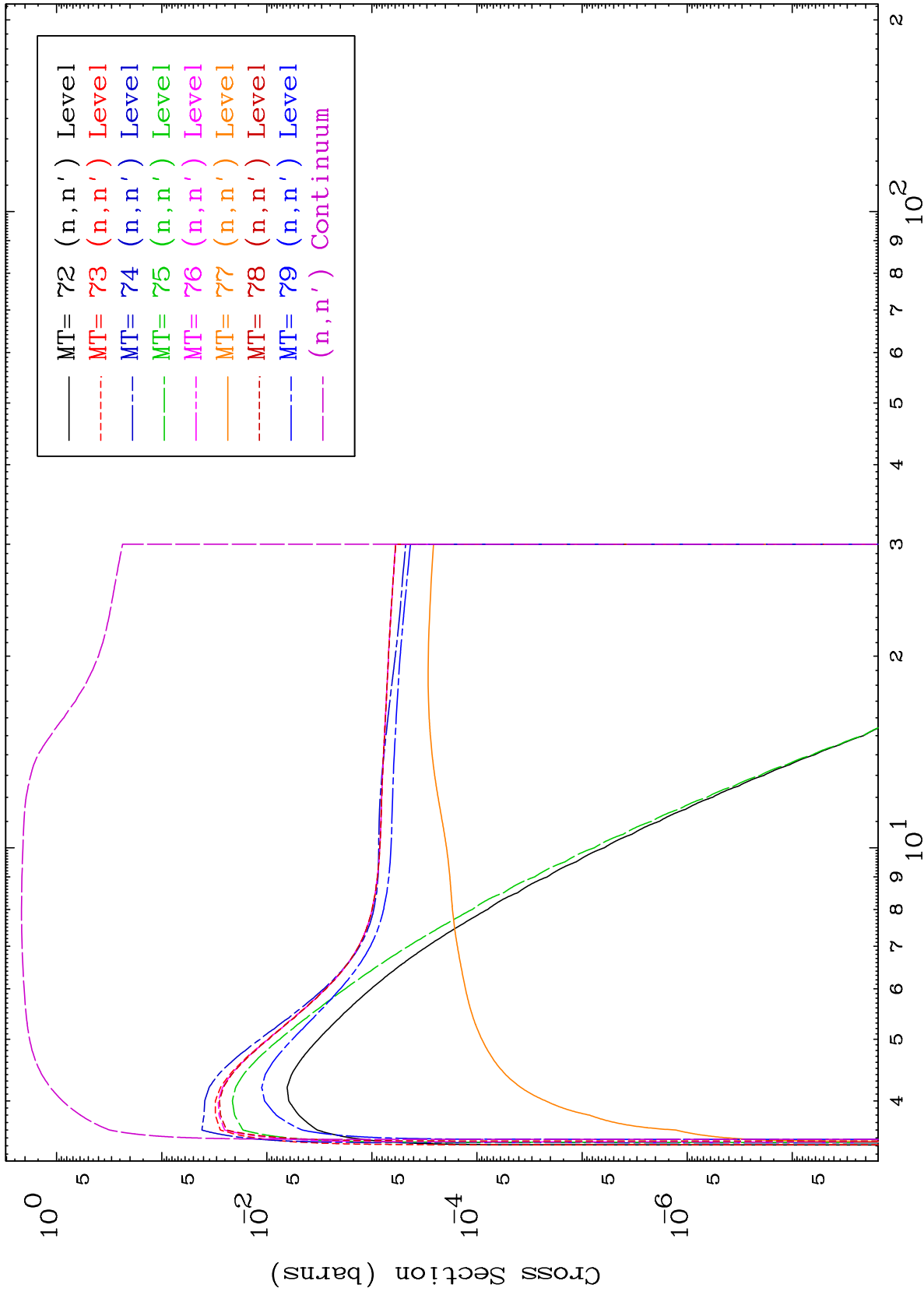
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,n') Level  
293 Kelvin Cross Sections

64-Gd-146



9

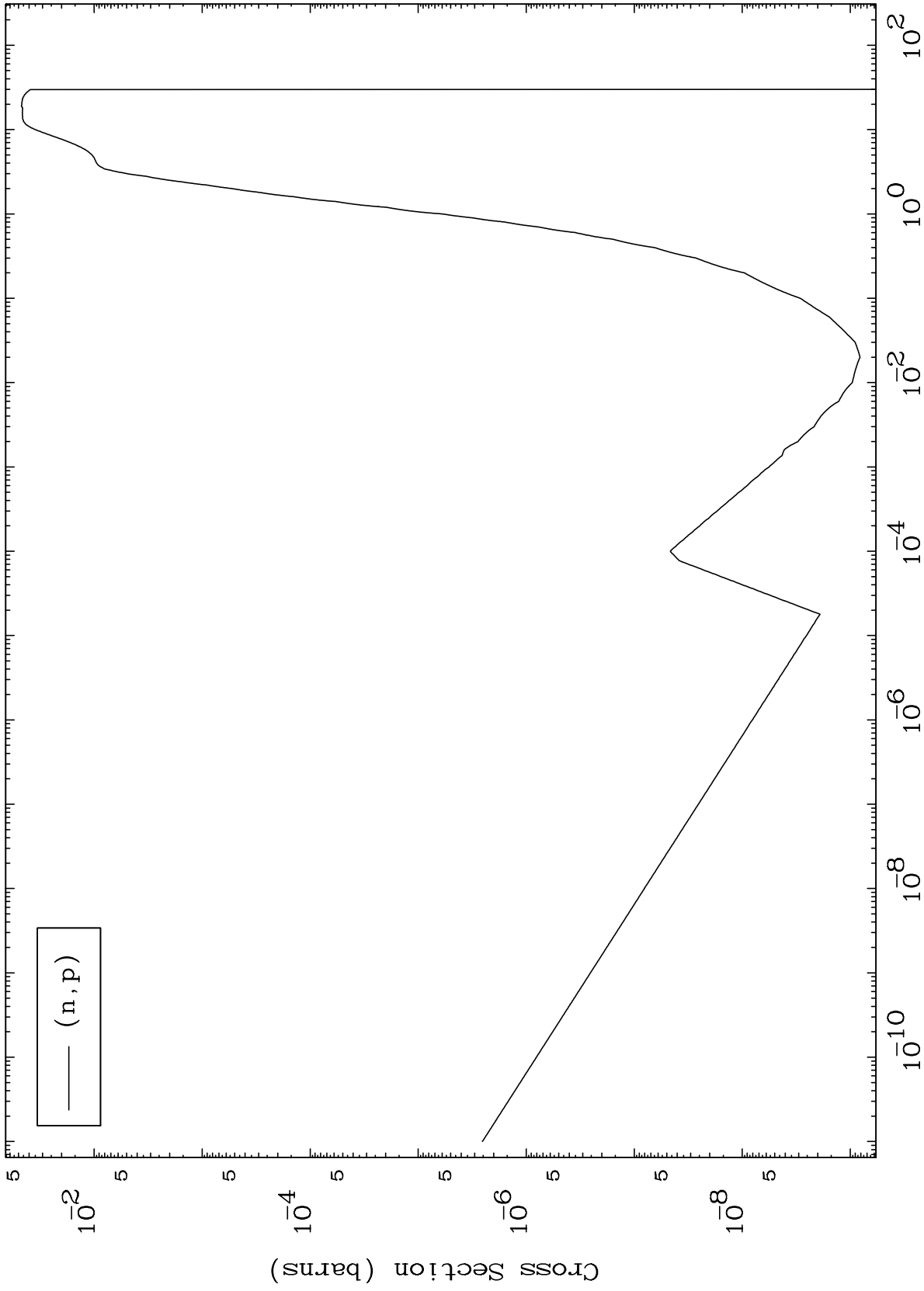
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,p) Levels  
293 Kelvin Cross Sections

64-Gd-146



10

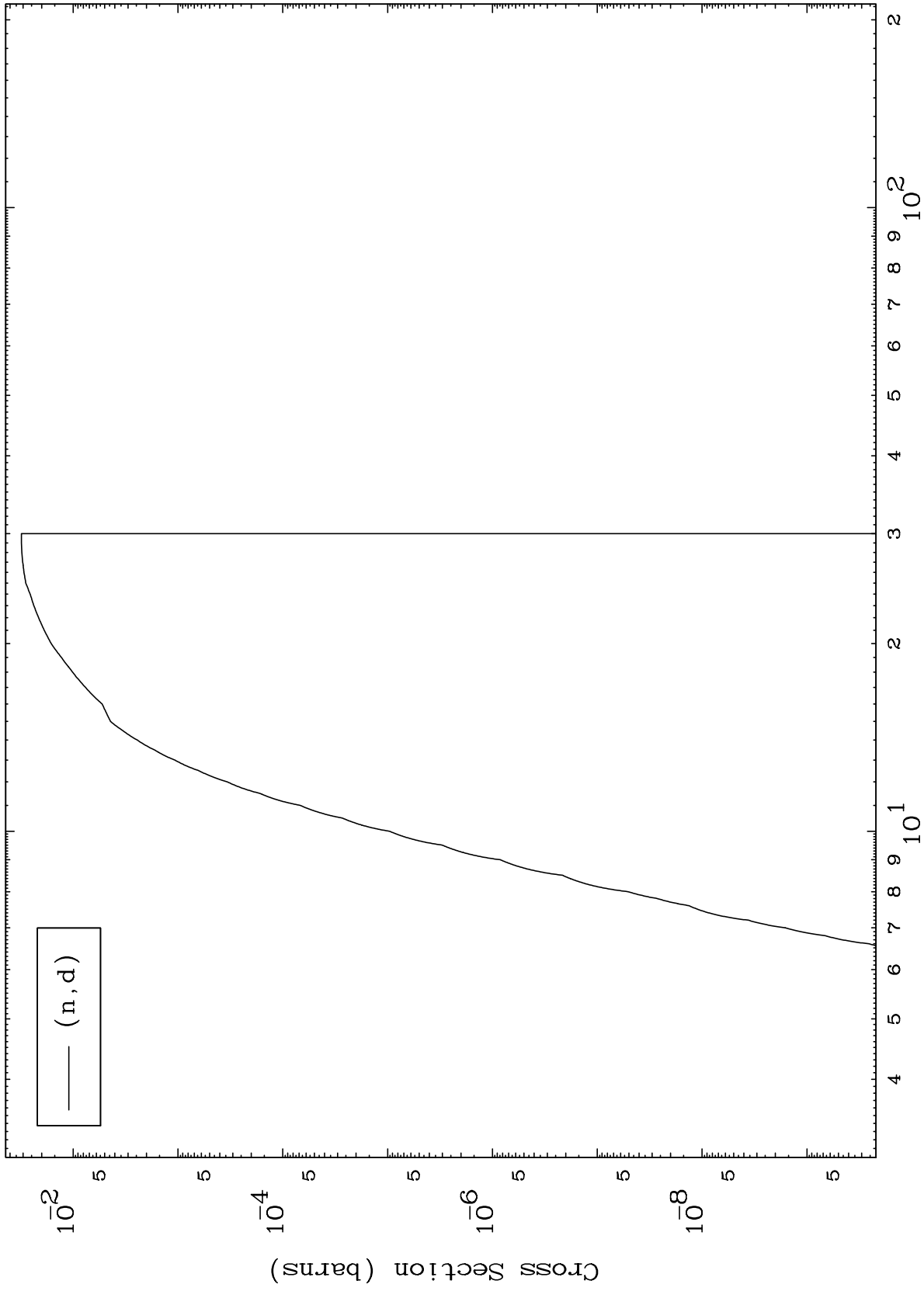
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-146



11

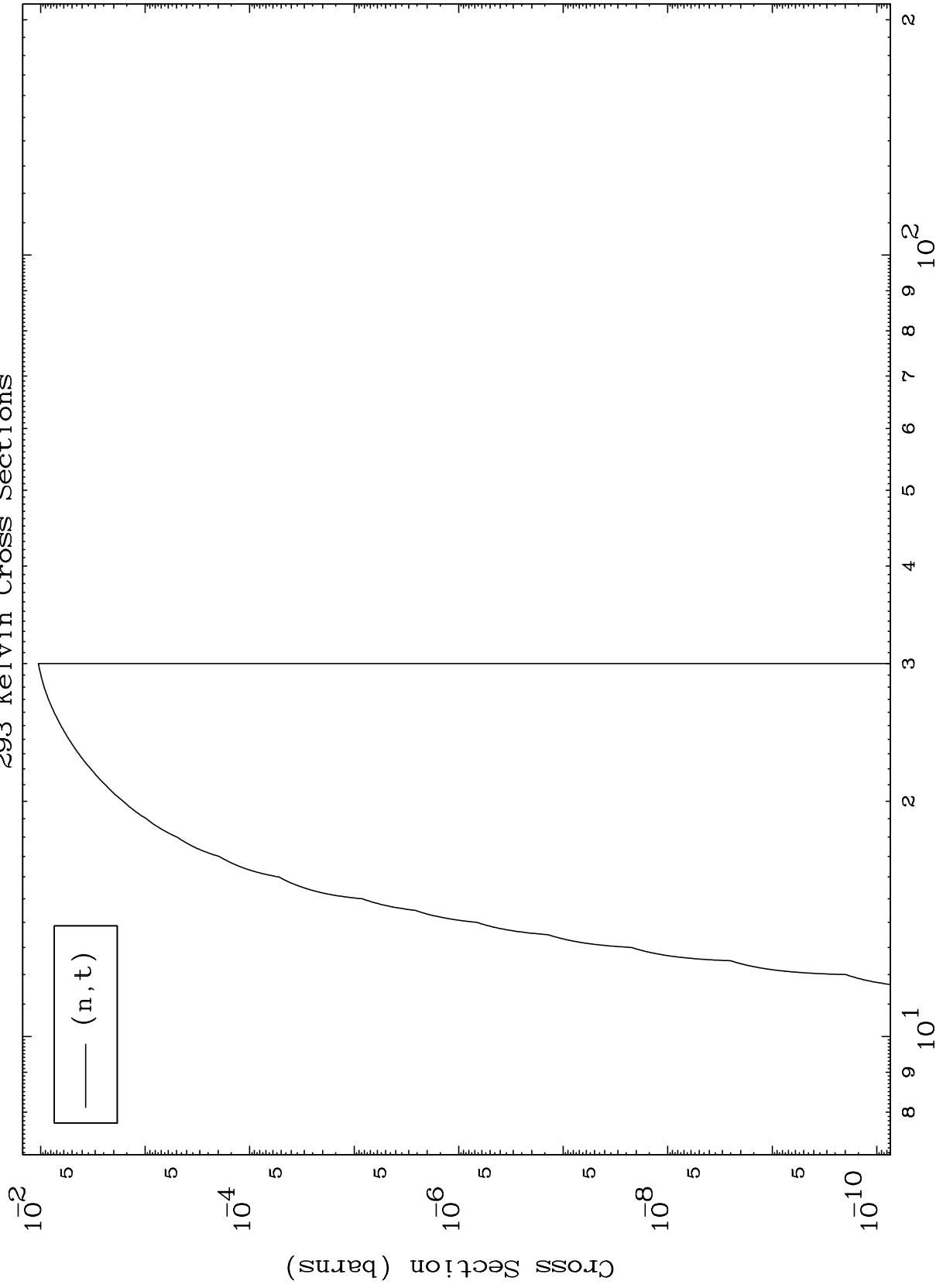
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-146



12

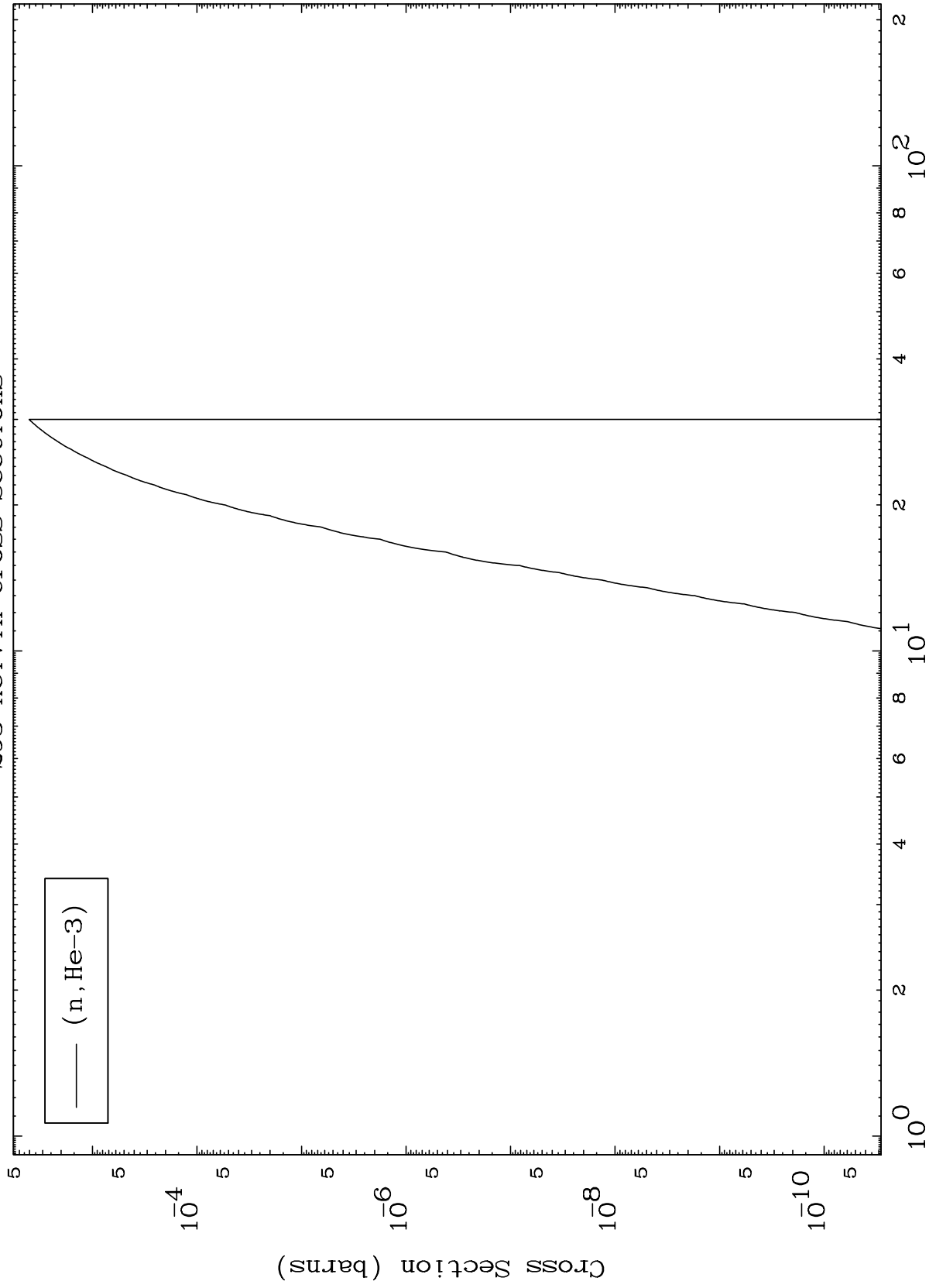
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-146



13

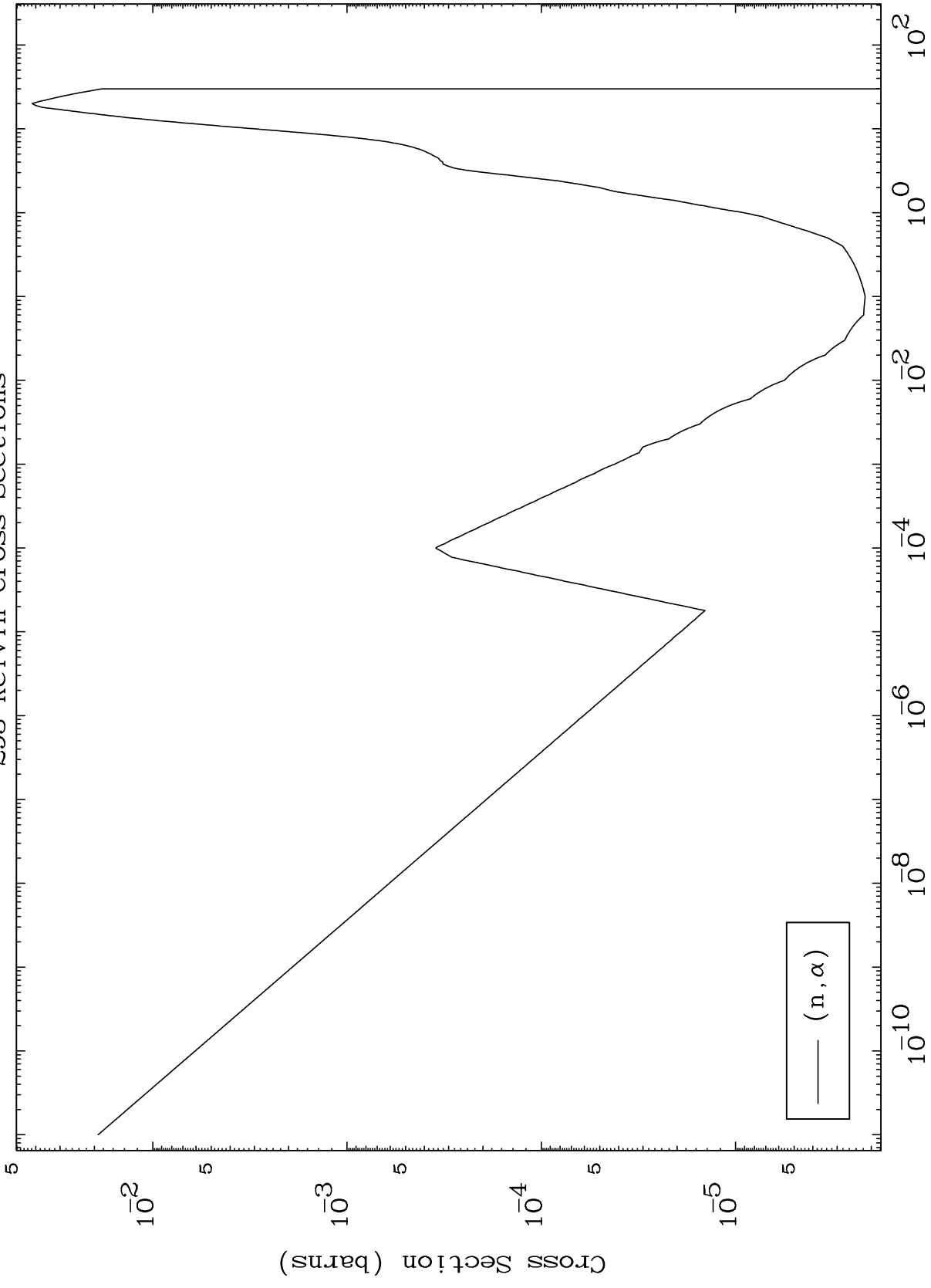
Incident Energy (MeV)

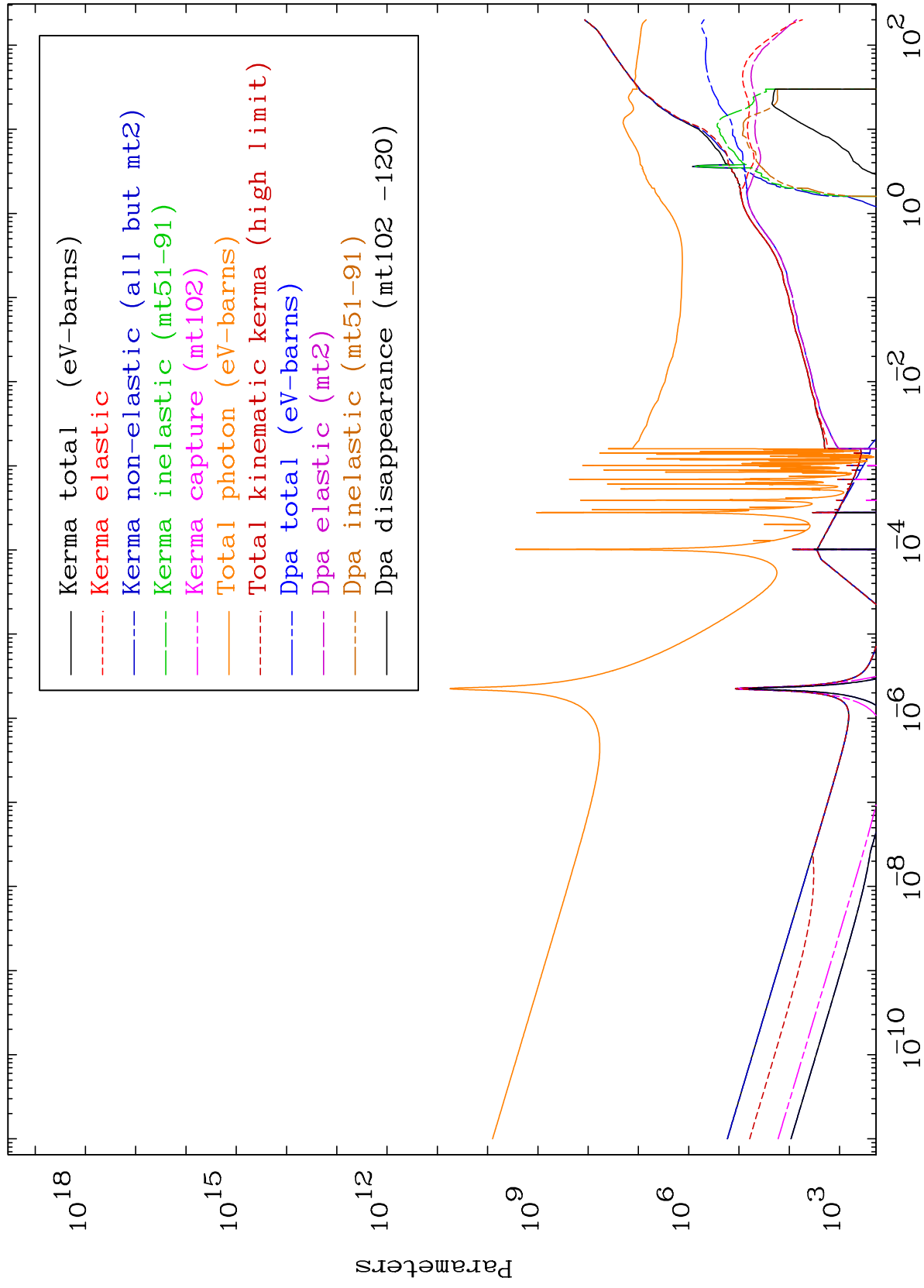
64-Gd-146

MAT 6407

(n,α) Levels  
293 Kelvin Cross Sections

64-Gd-146



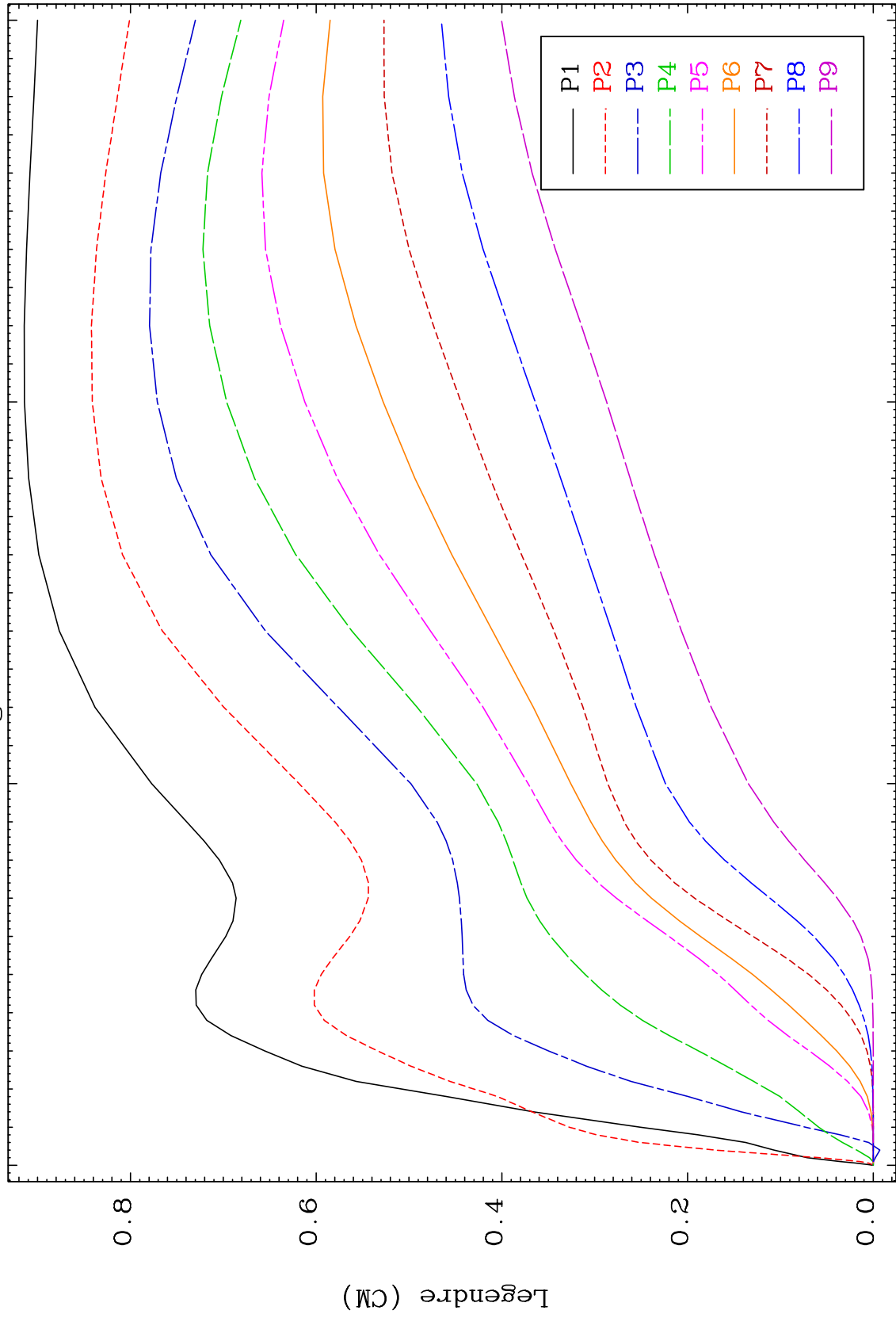




MAT 6407

Elastic Legendre Coefficients

64-Gd-146



16

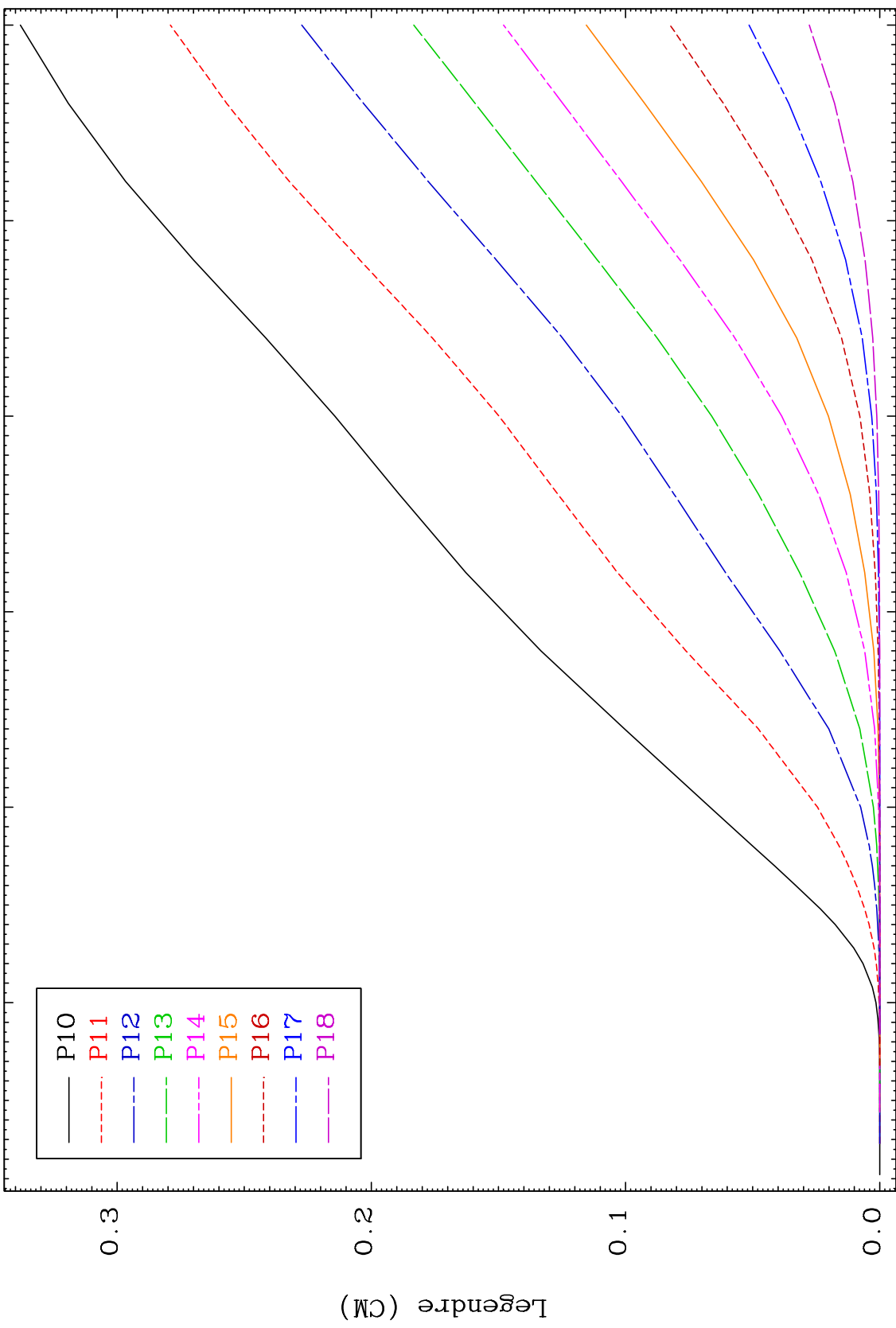
Incident Energy (MeV)

64-Gd-146

MAT 6407

Elastic Legendre Coefficients

64-Gd-146



17

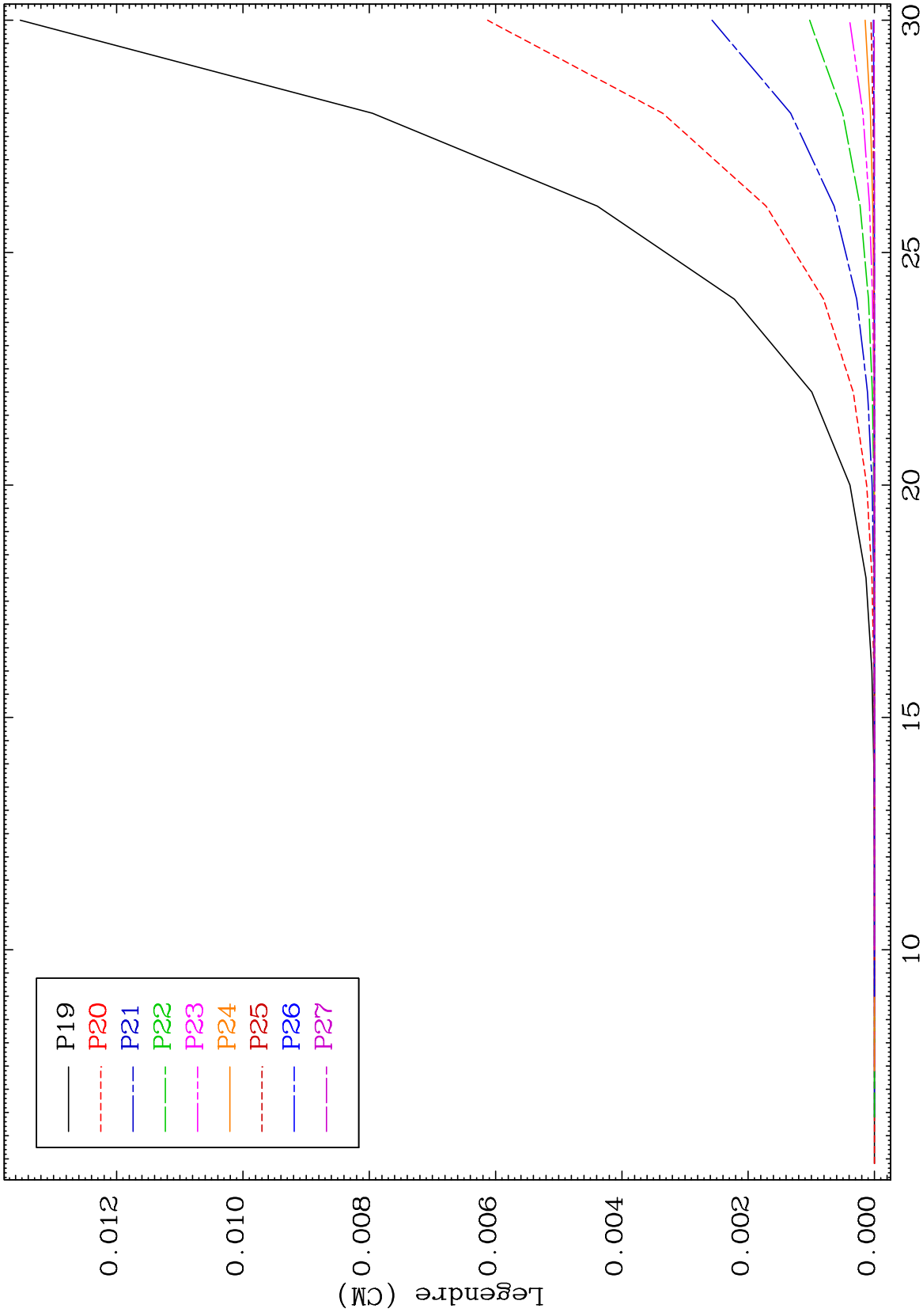
Incident Energy (MeV)

64-Gd-146

MAT 6407

### Elastic Legendre Coefficients

64-Gd-146



18

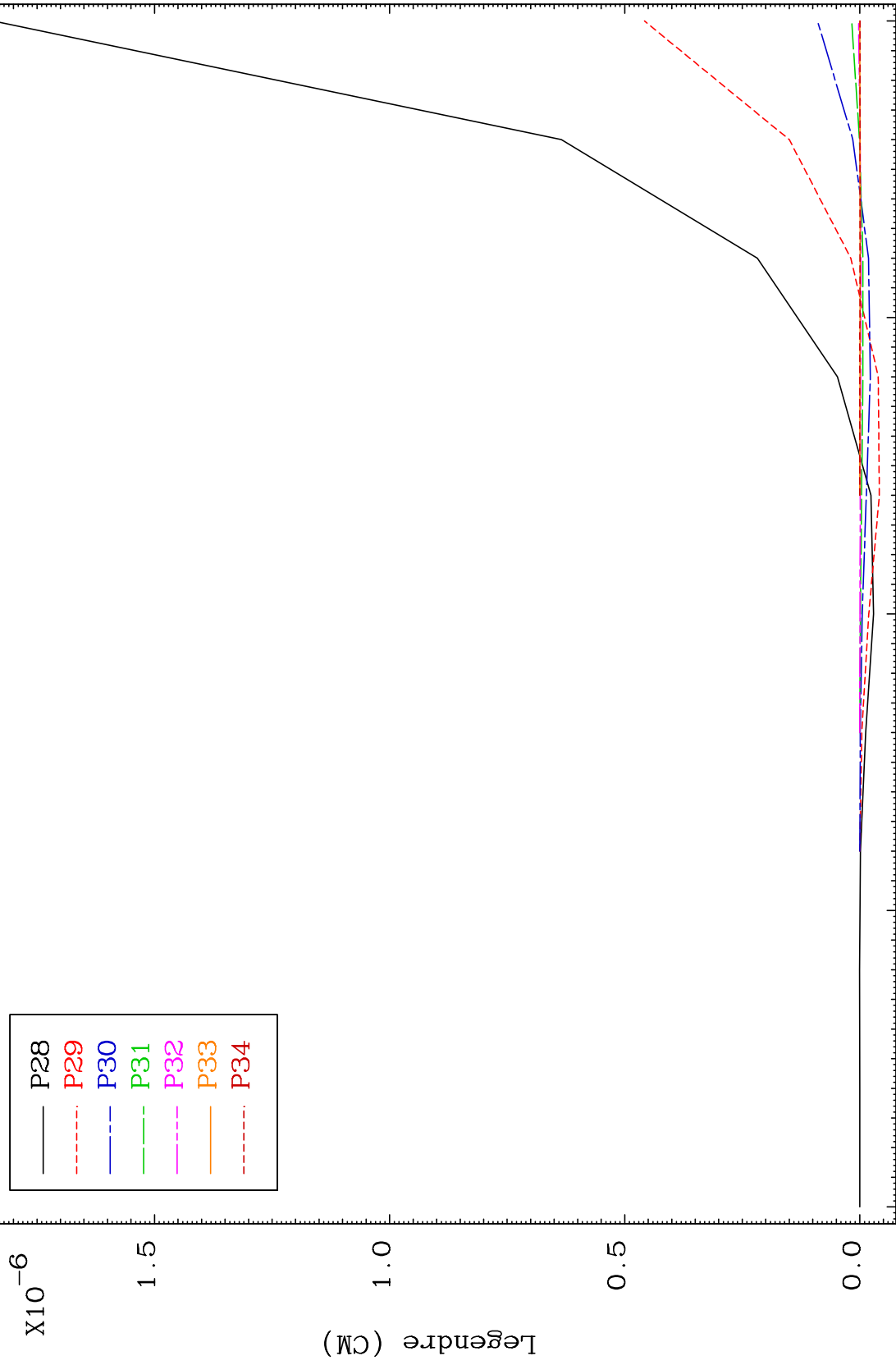
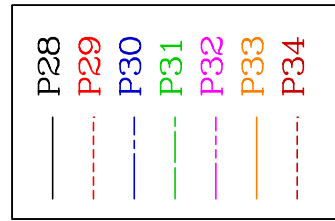
Incident Energy (MeV)

64-Gd-146

MAT 6407

Elastic Legendre Coefficients

64-Gd-146



19

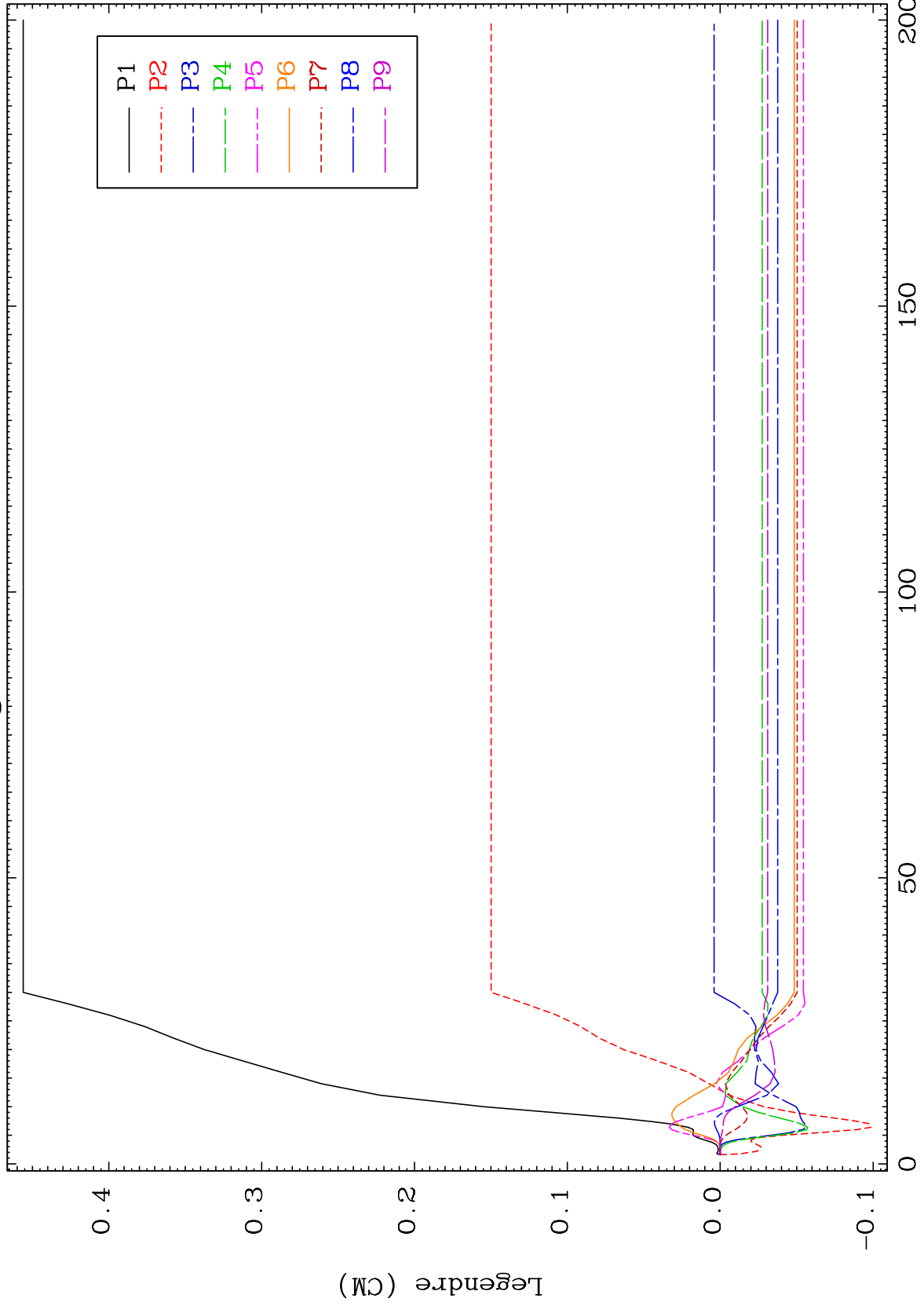
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

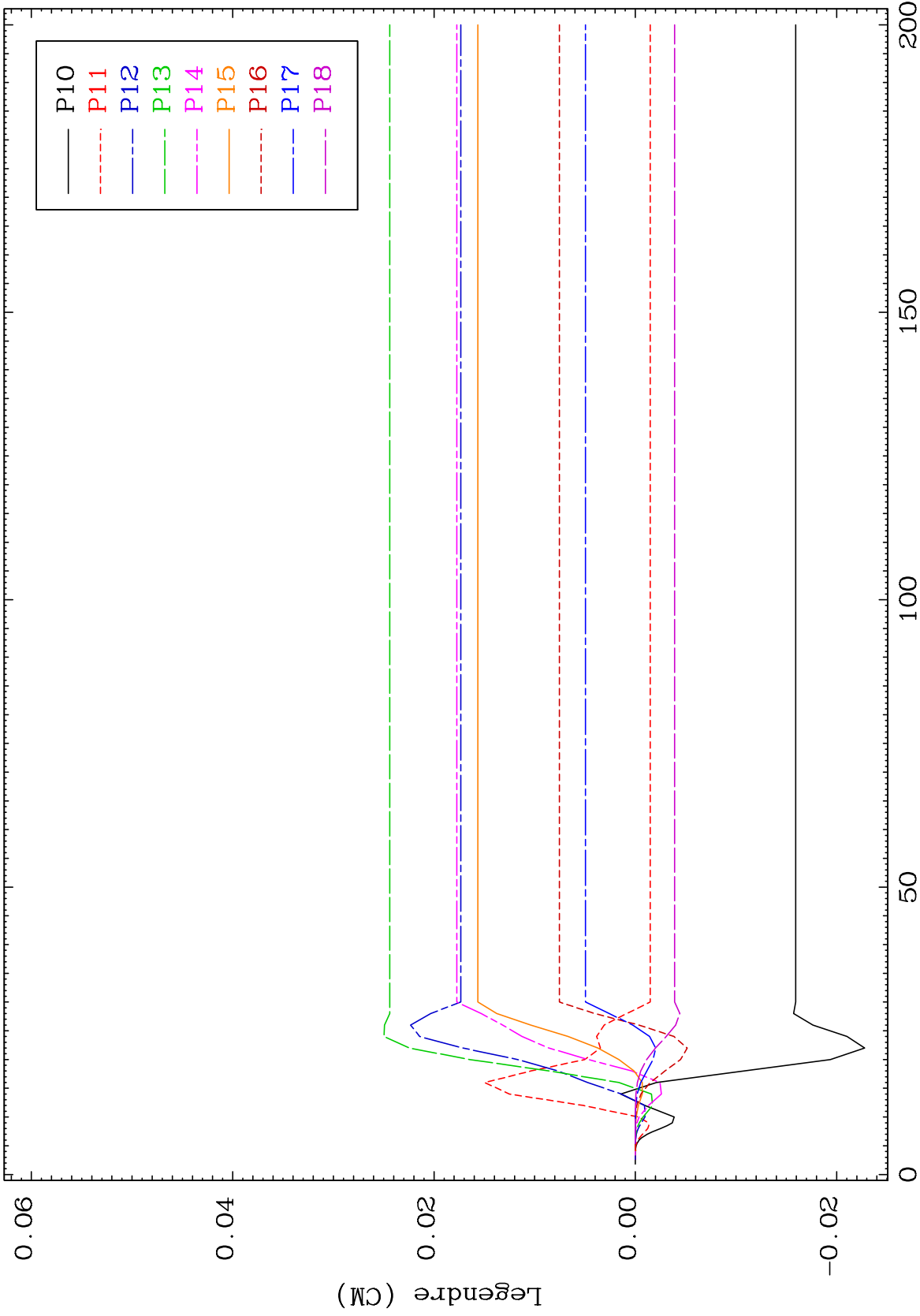
Incident Energy (MeV)

20

MAT 6407

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

64-Gd-146



21

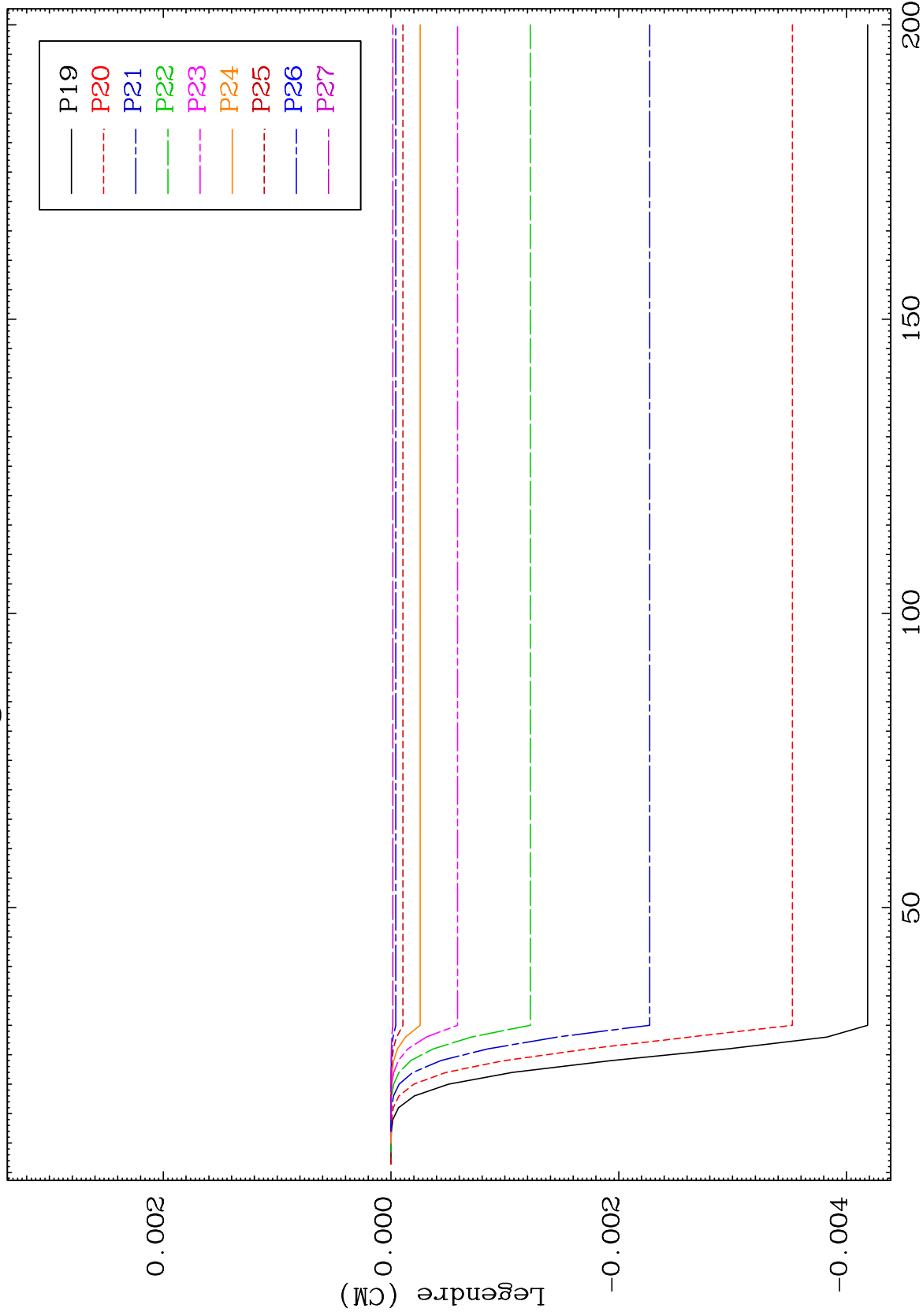
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



22

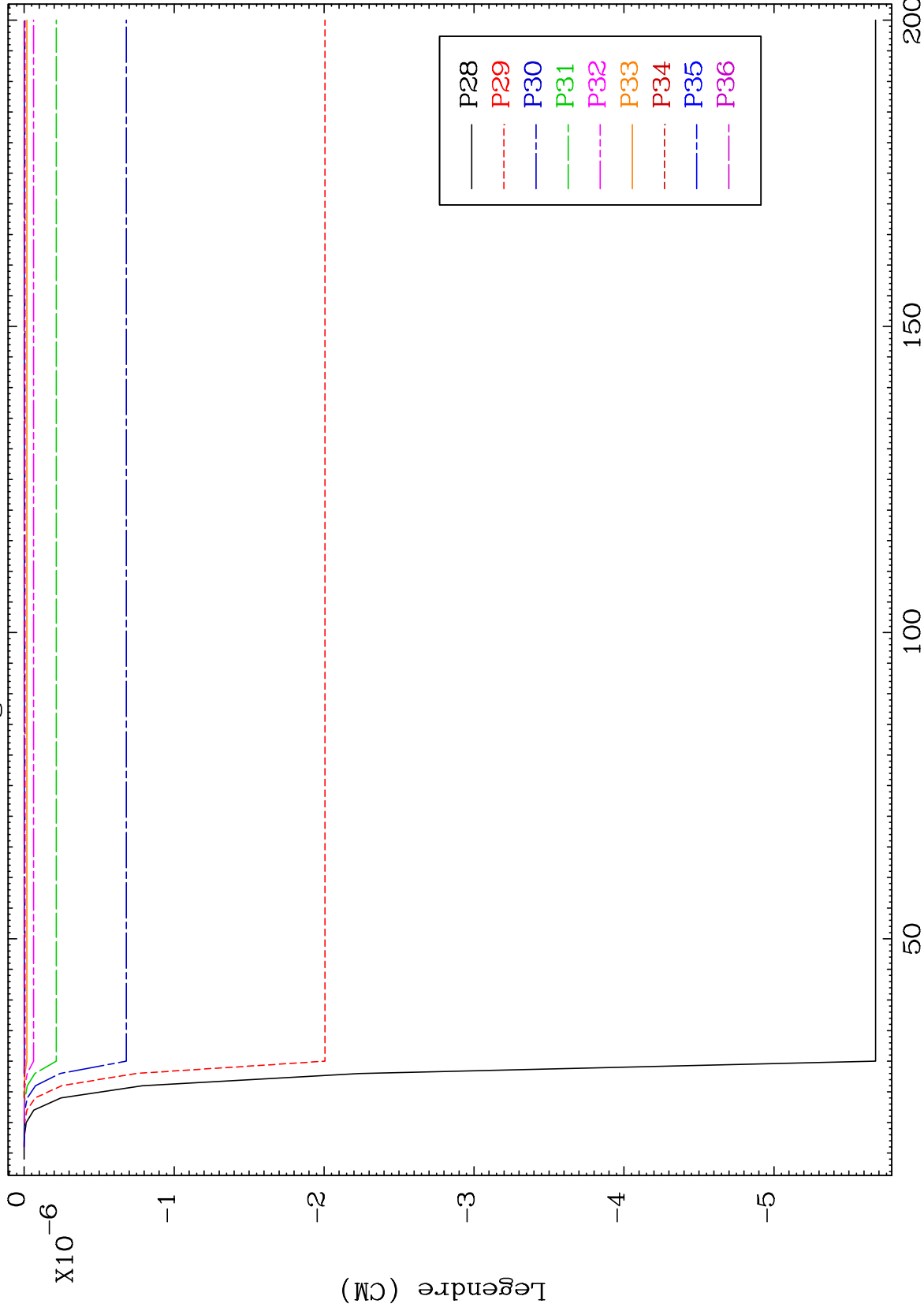
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

Incident Energy (MeV)

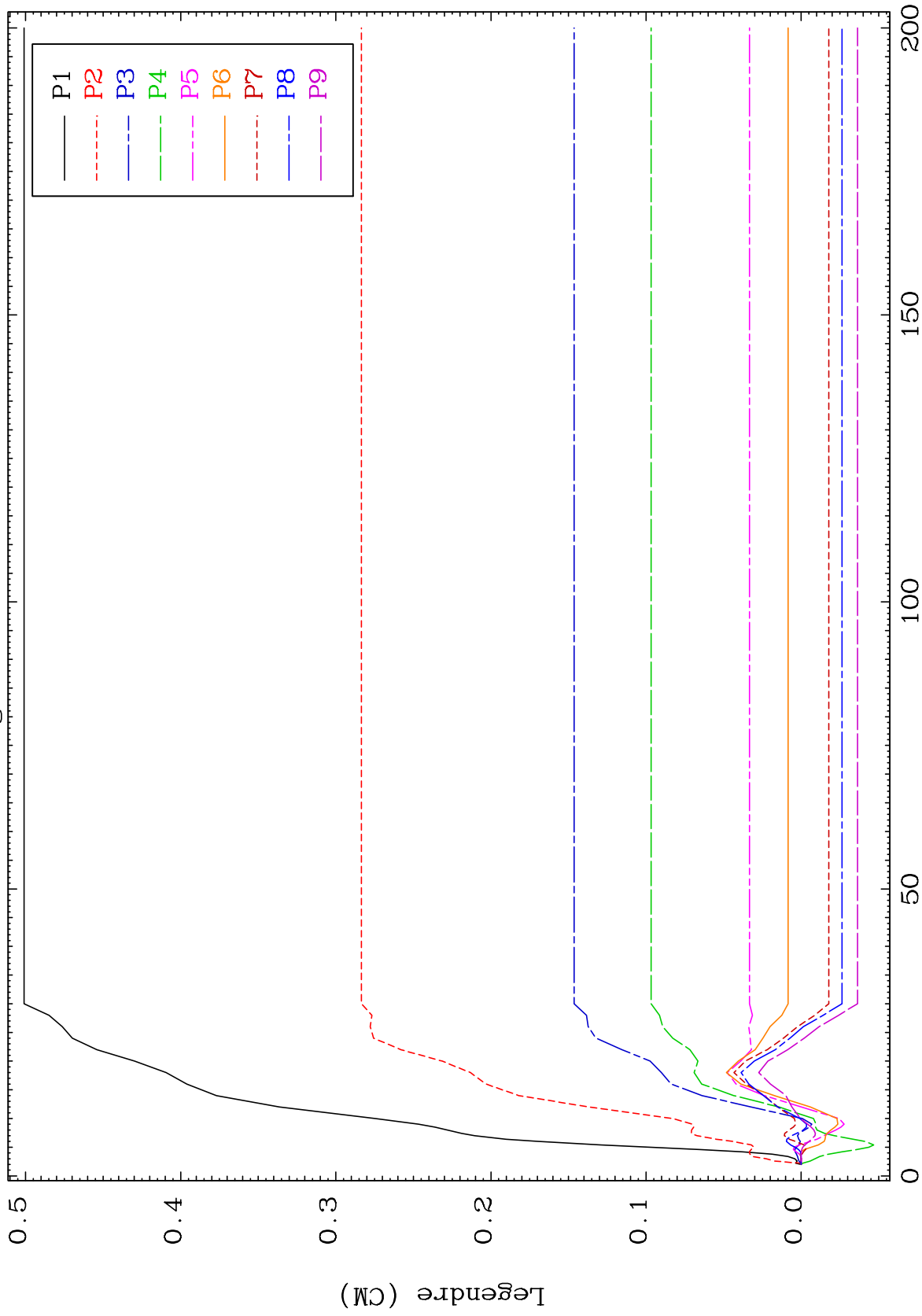
23



MAT 6407

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

64-Gd-146



24

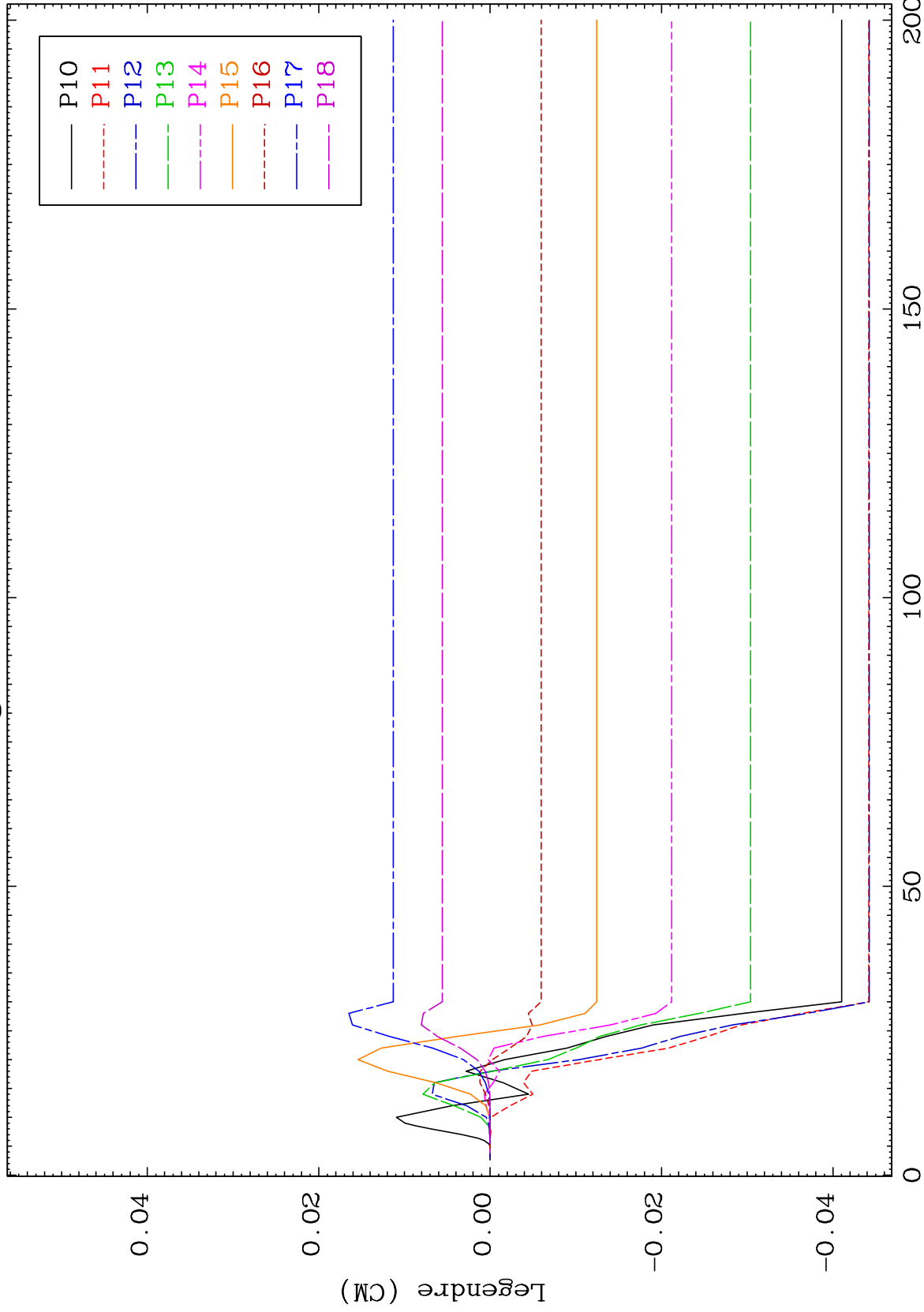
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



25

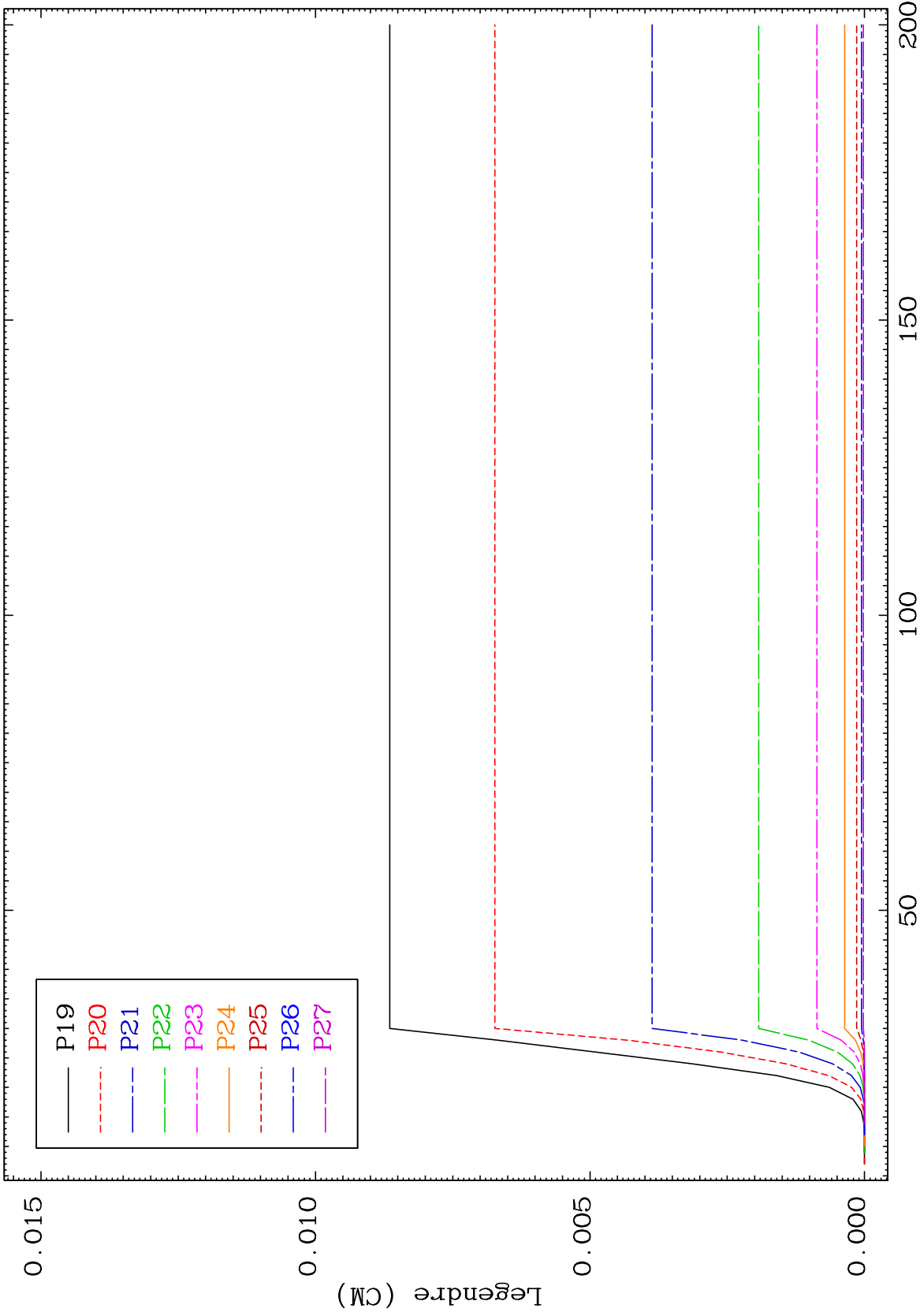
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



26

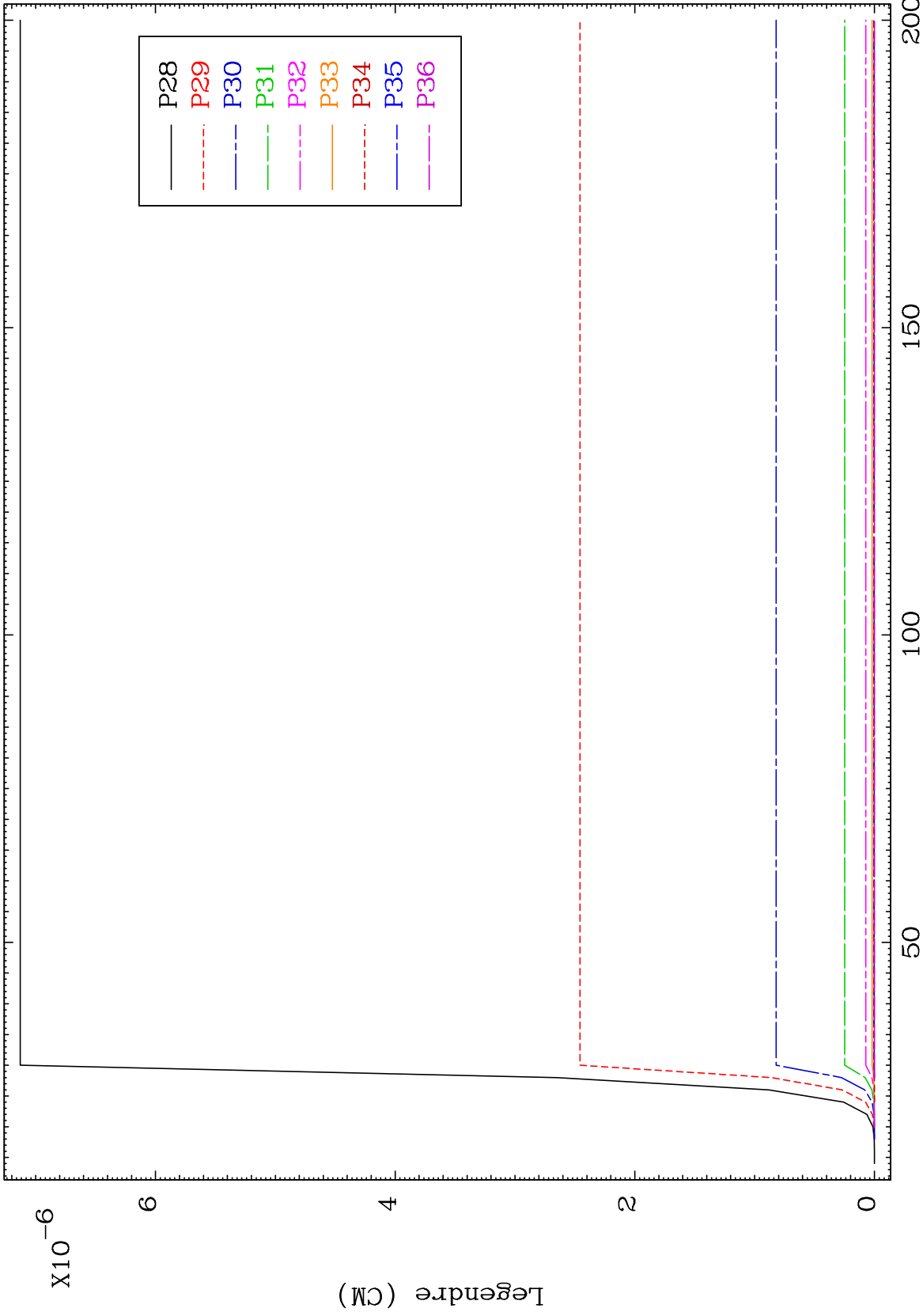
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



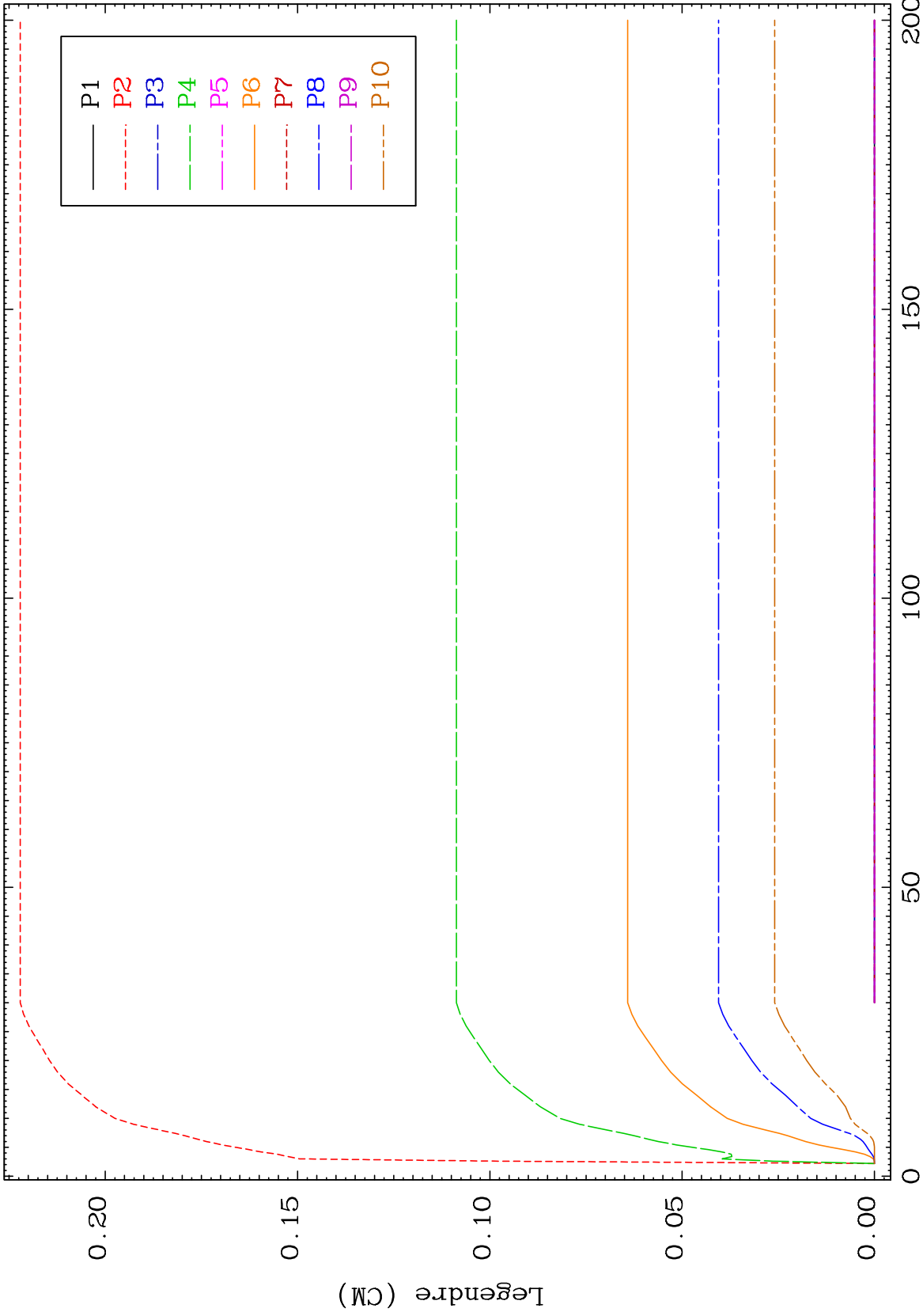
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64-Gd-146

MAT 6407

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

64-Gd-146



28

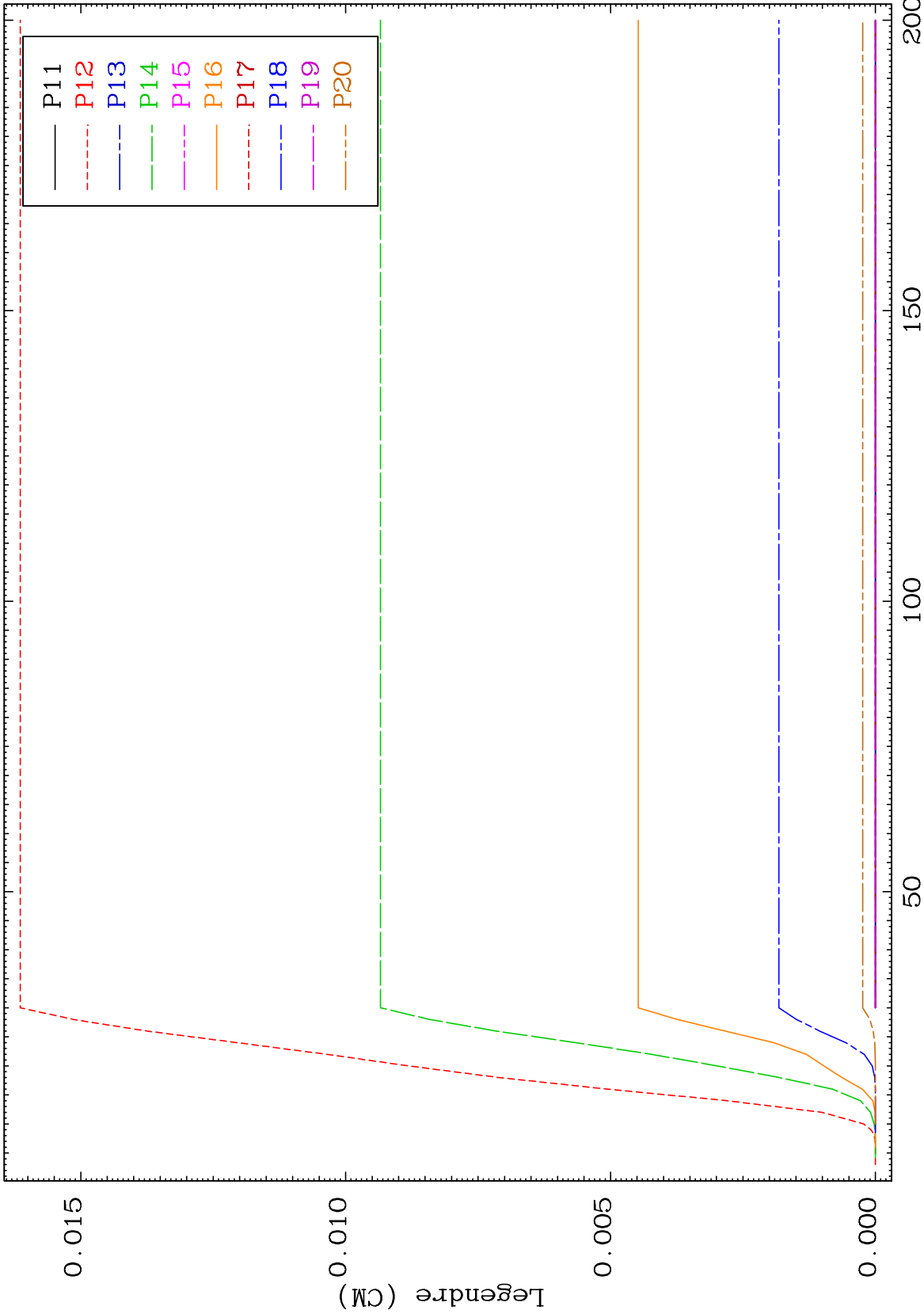
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



29

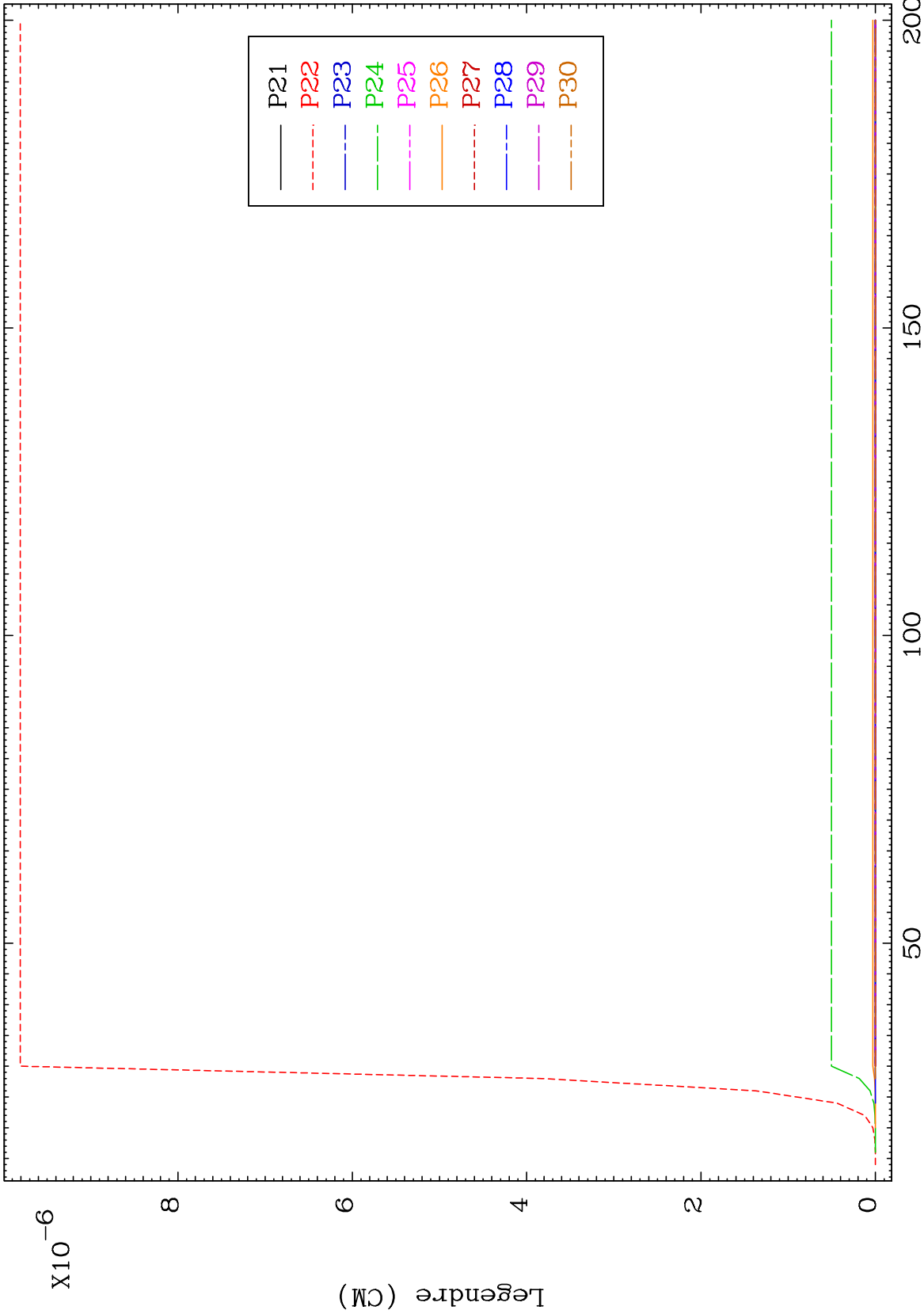
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



30

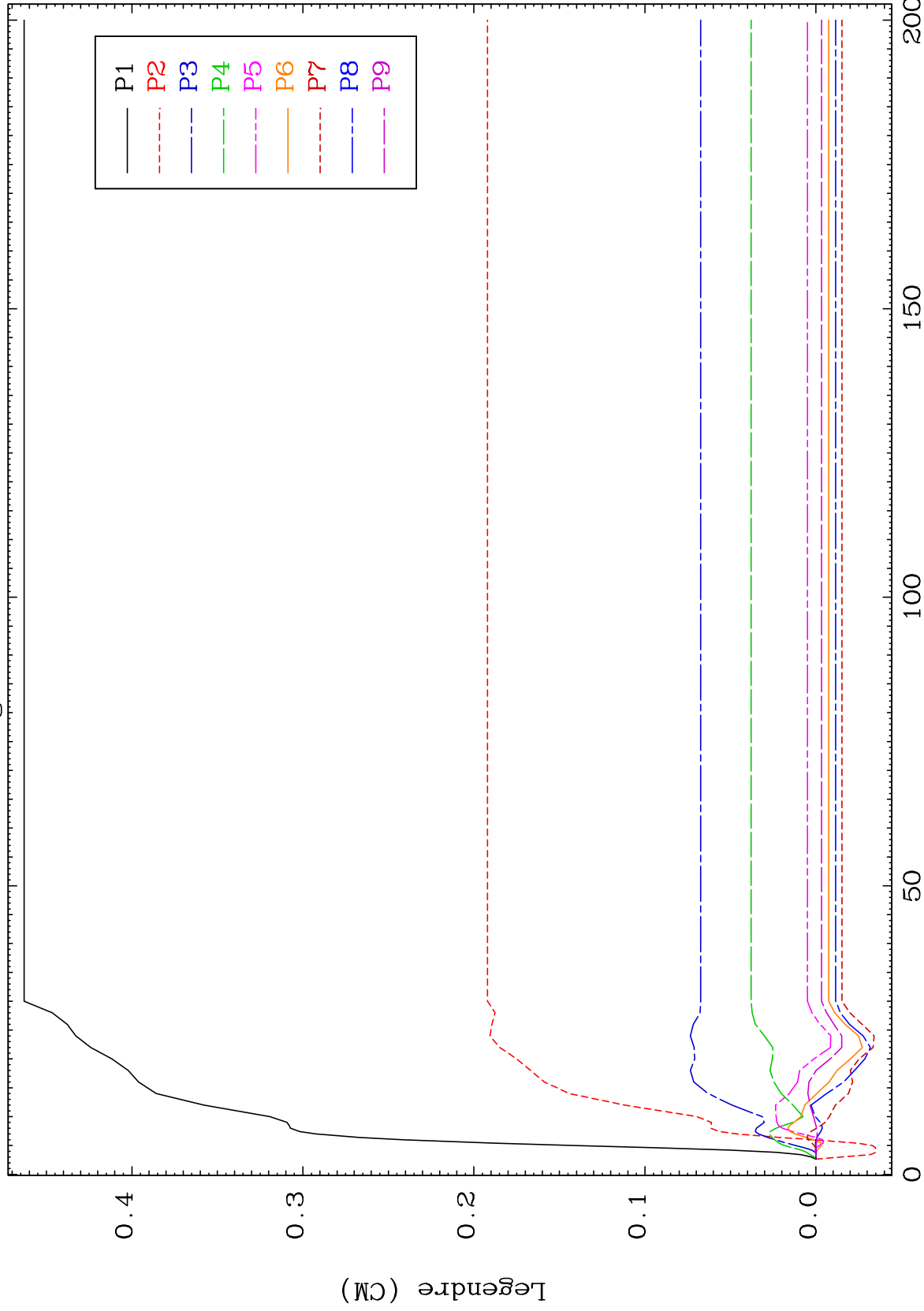
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



31

Incident Energy (MeV)

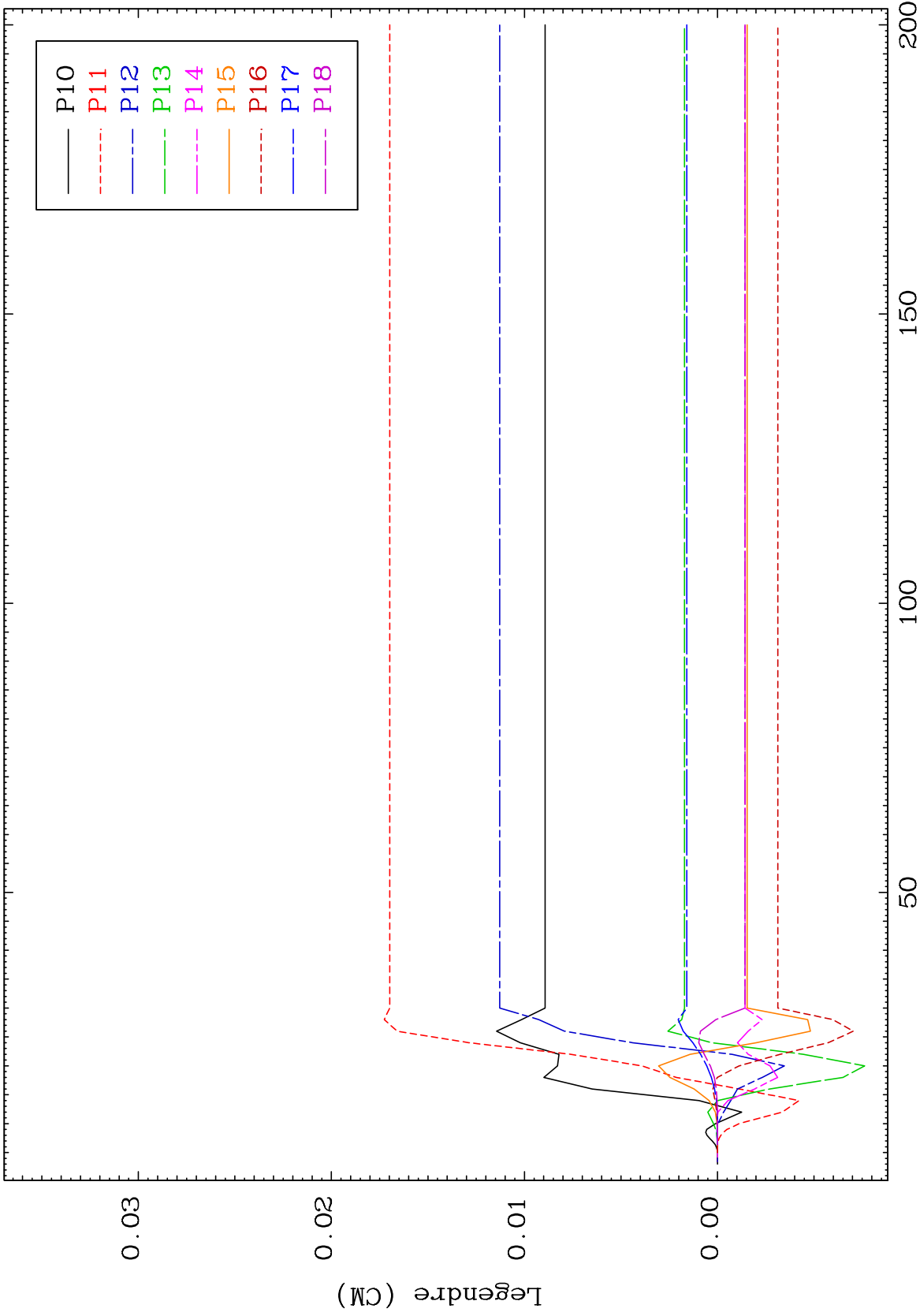
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MAT 6407

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

64-Gd-146



32

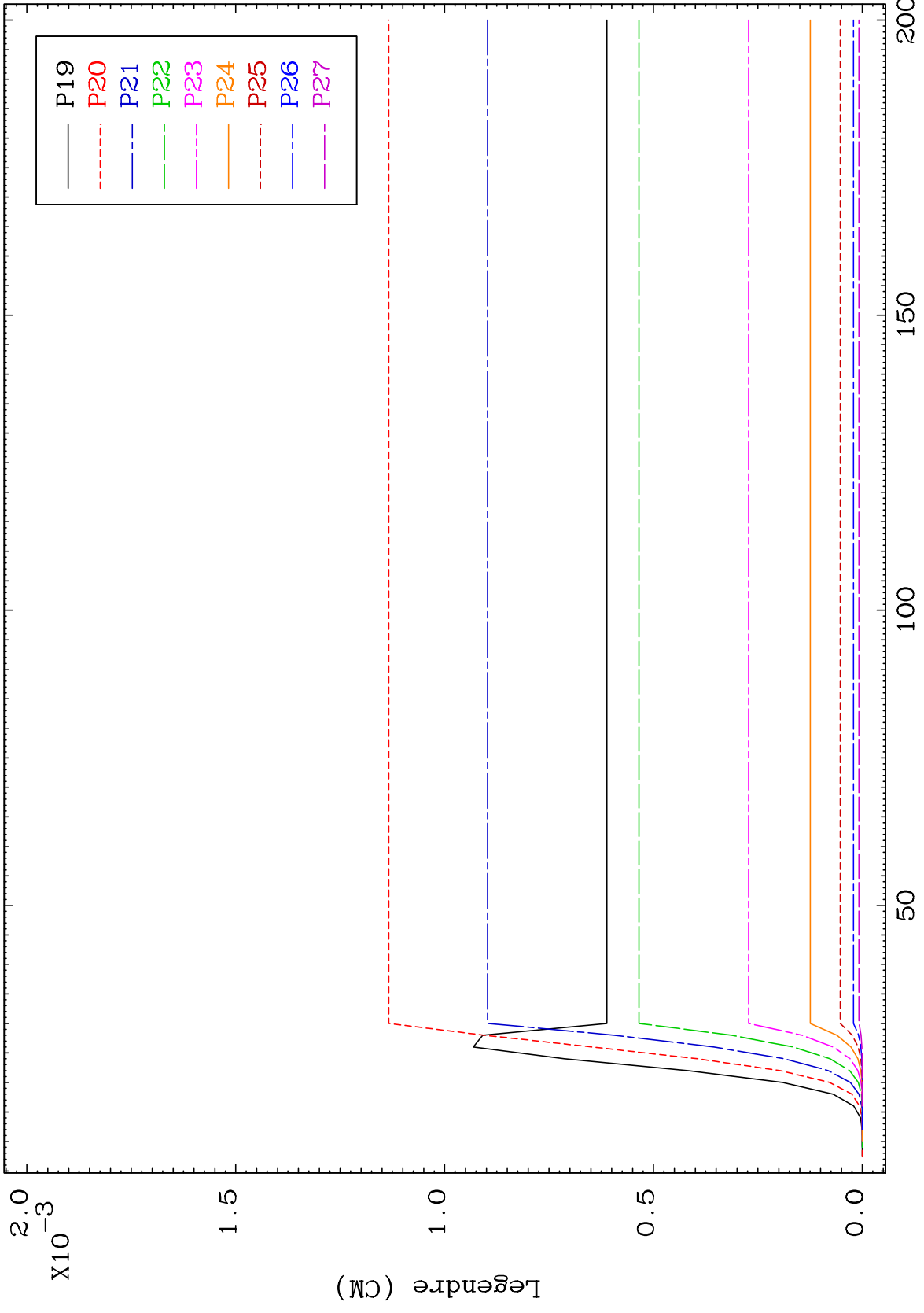
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



33

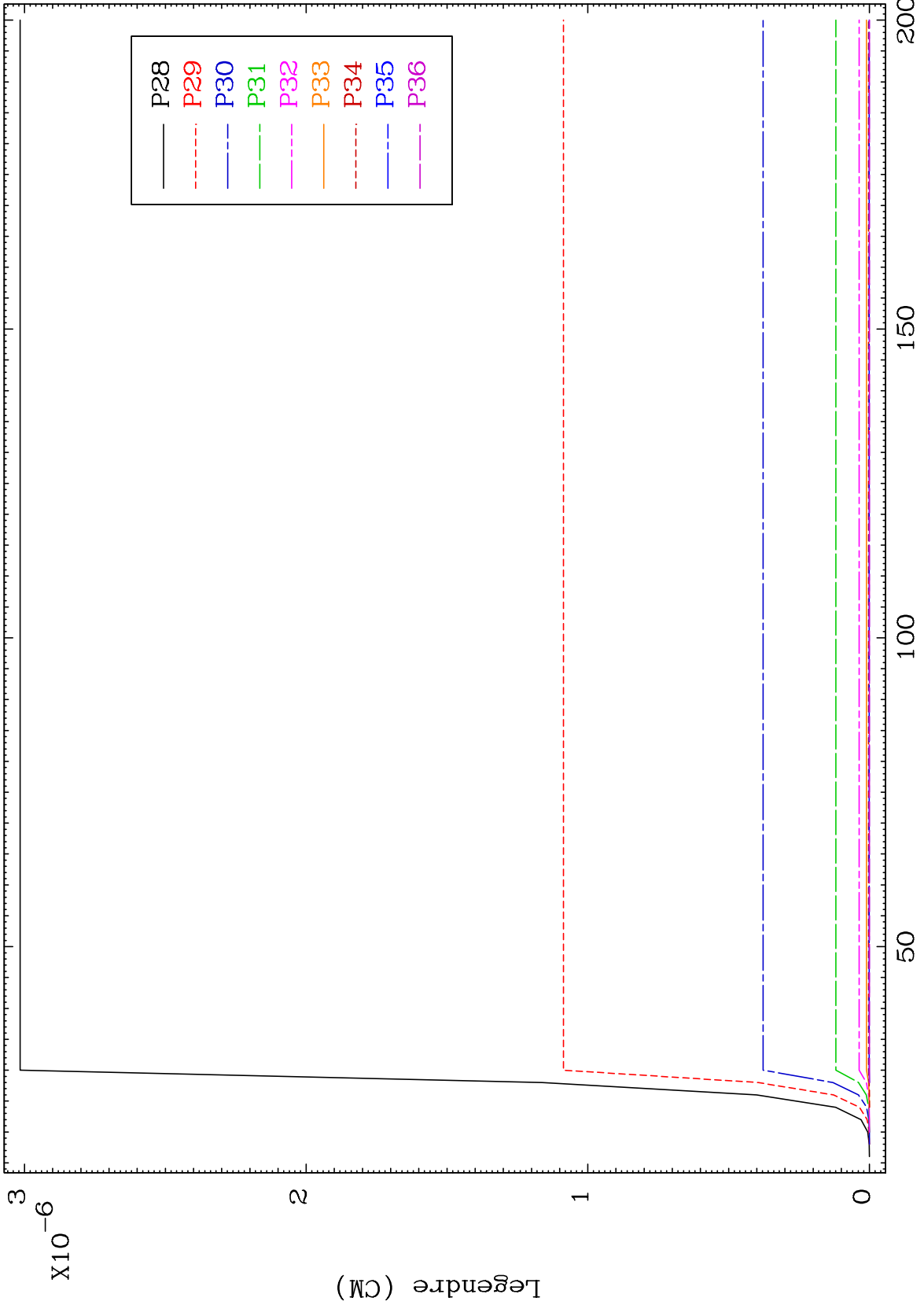
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



34

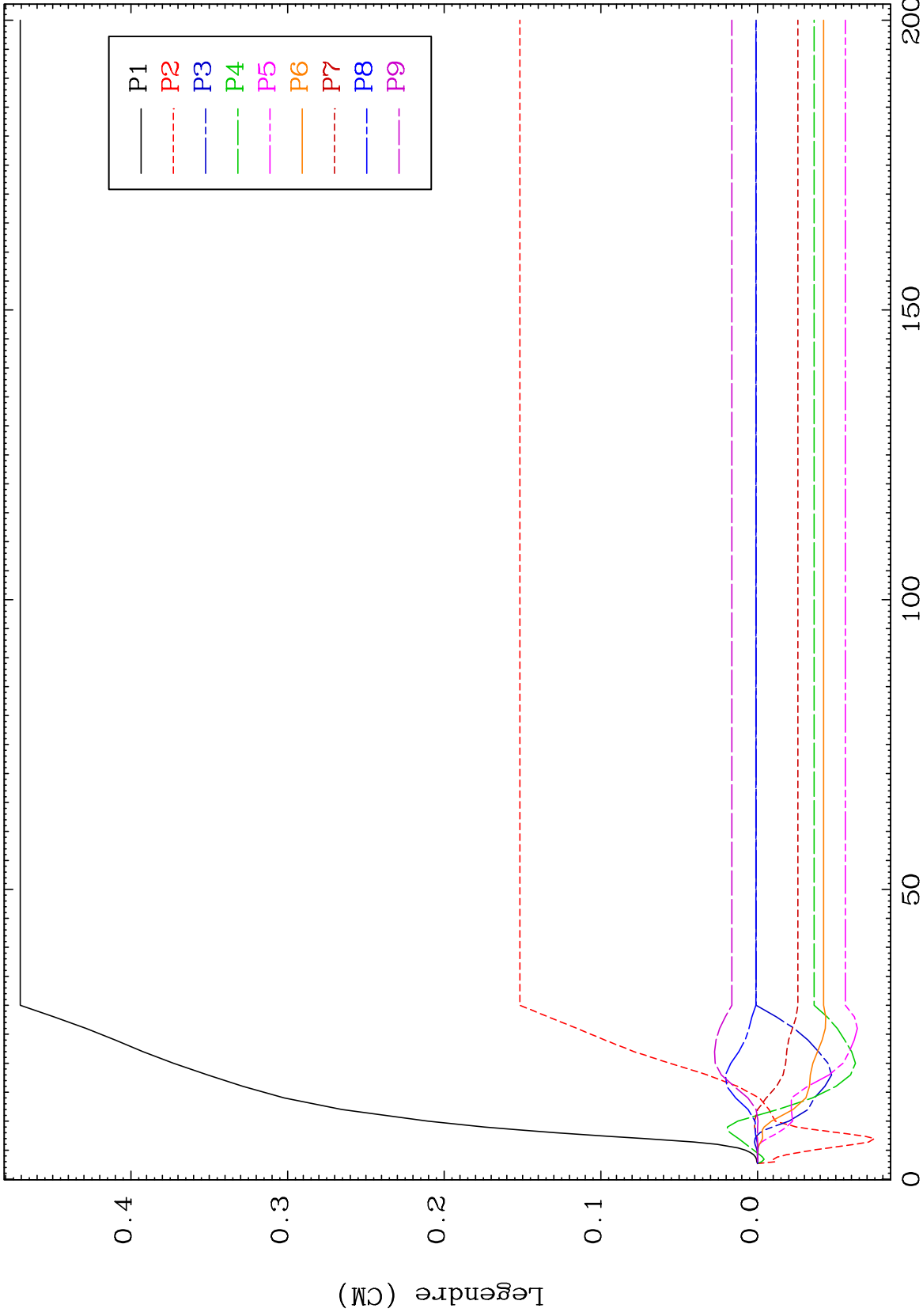
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



35

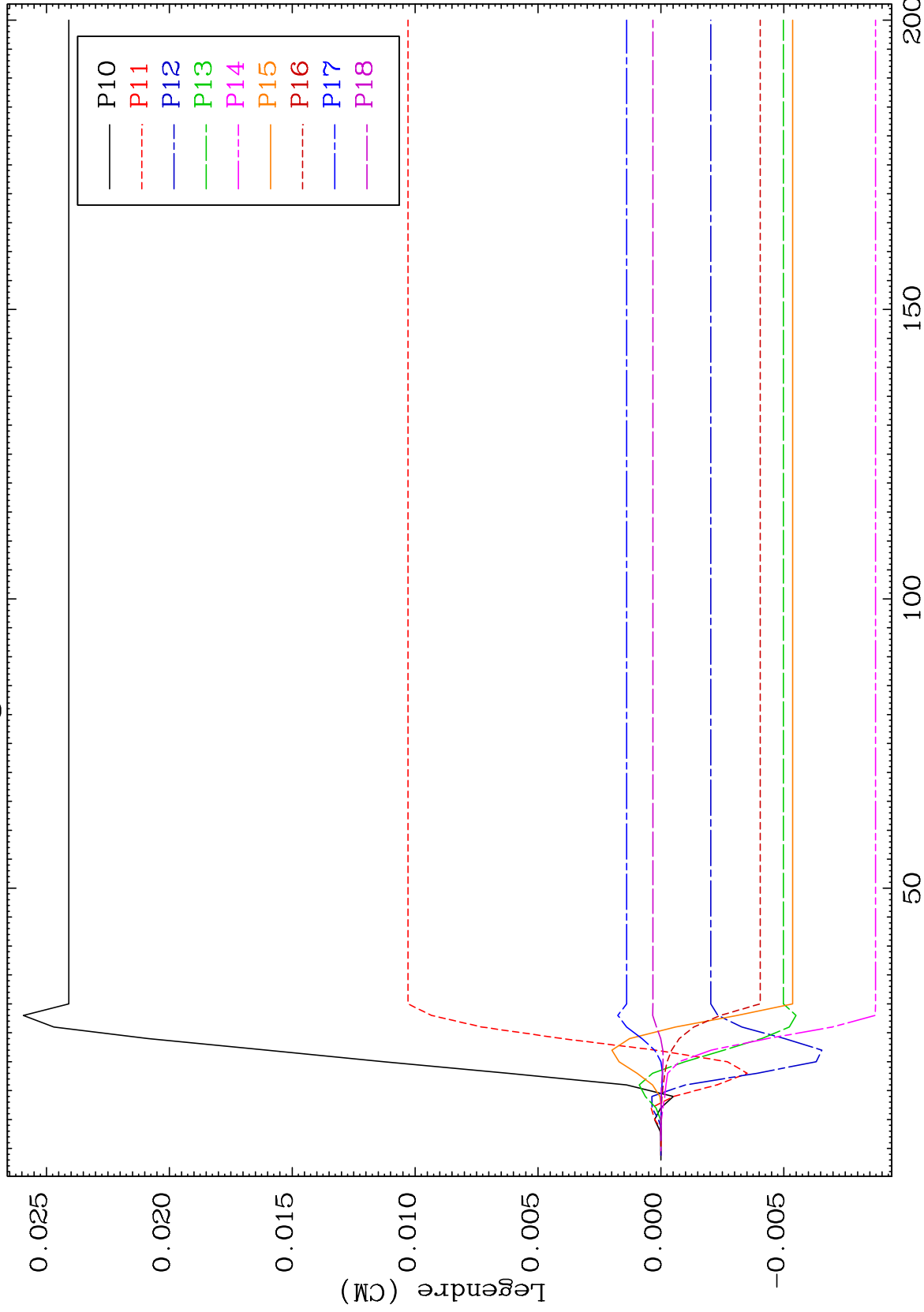
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



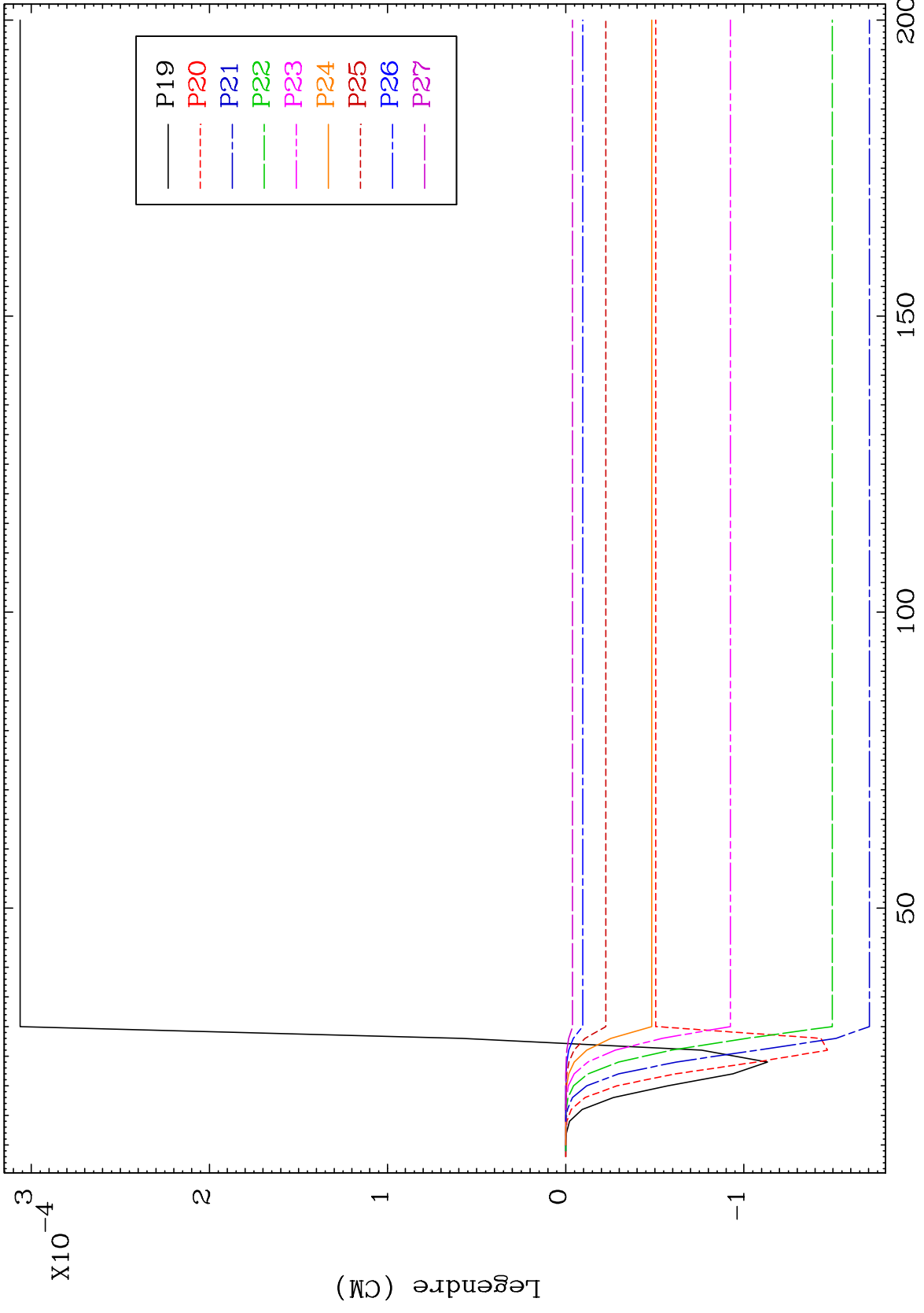
36

64-Gd-146

MAT 6407

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

64-Gd-146



37

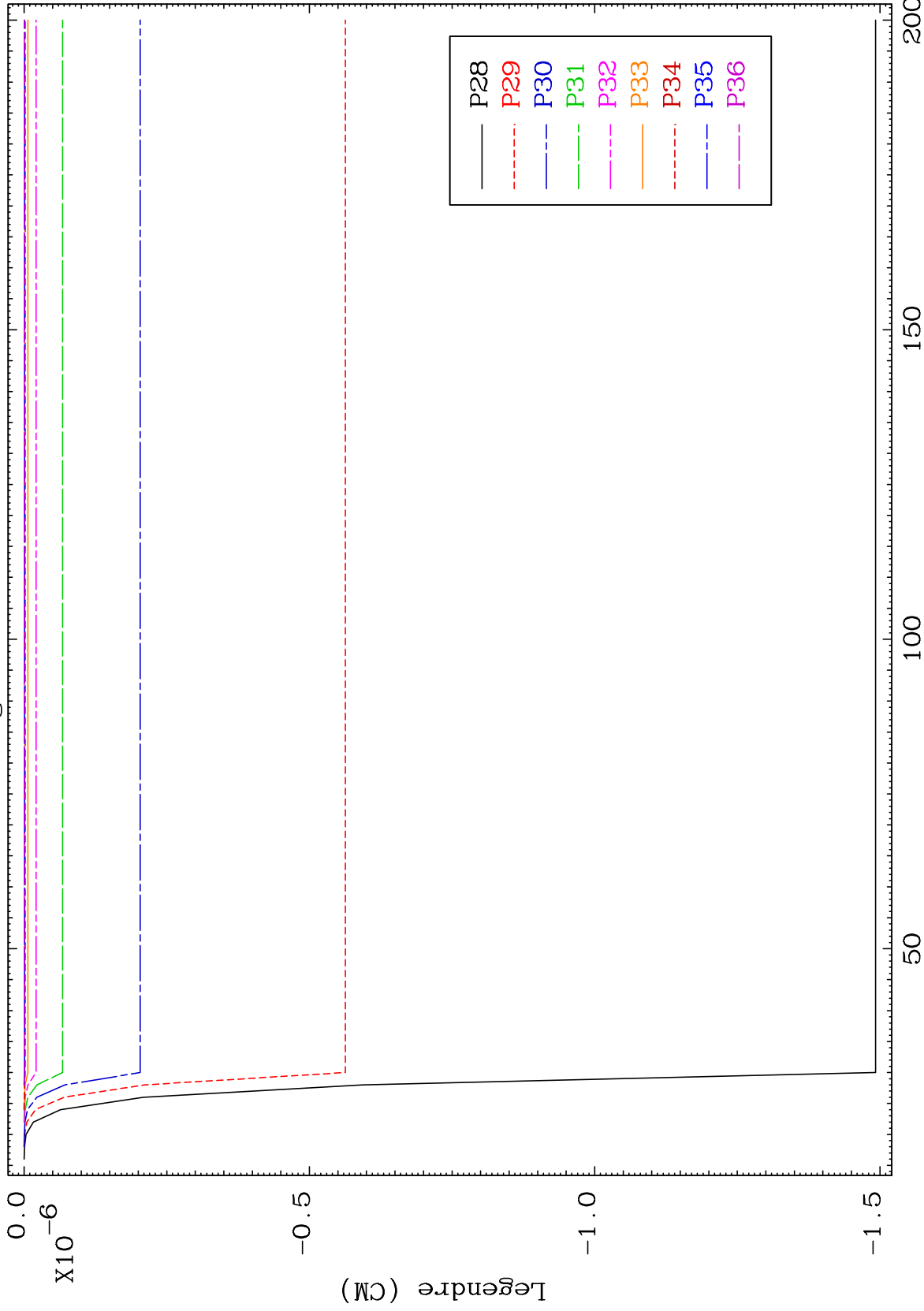
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



38

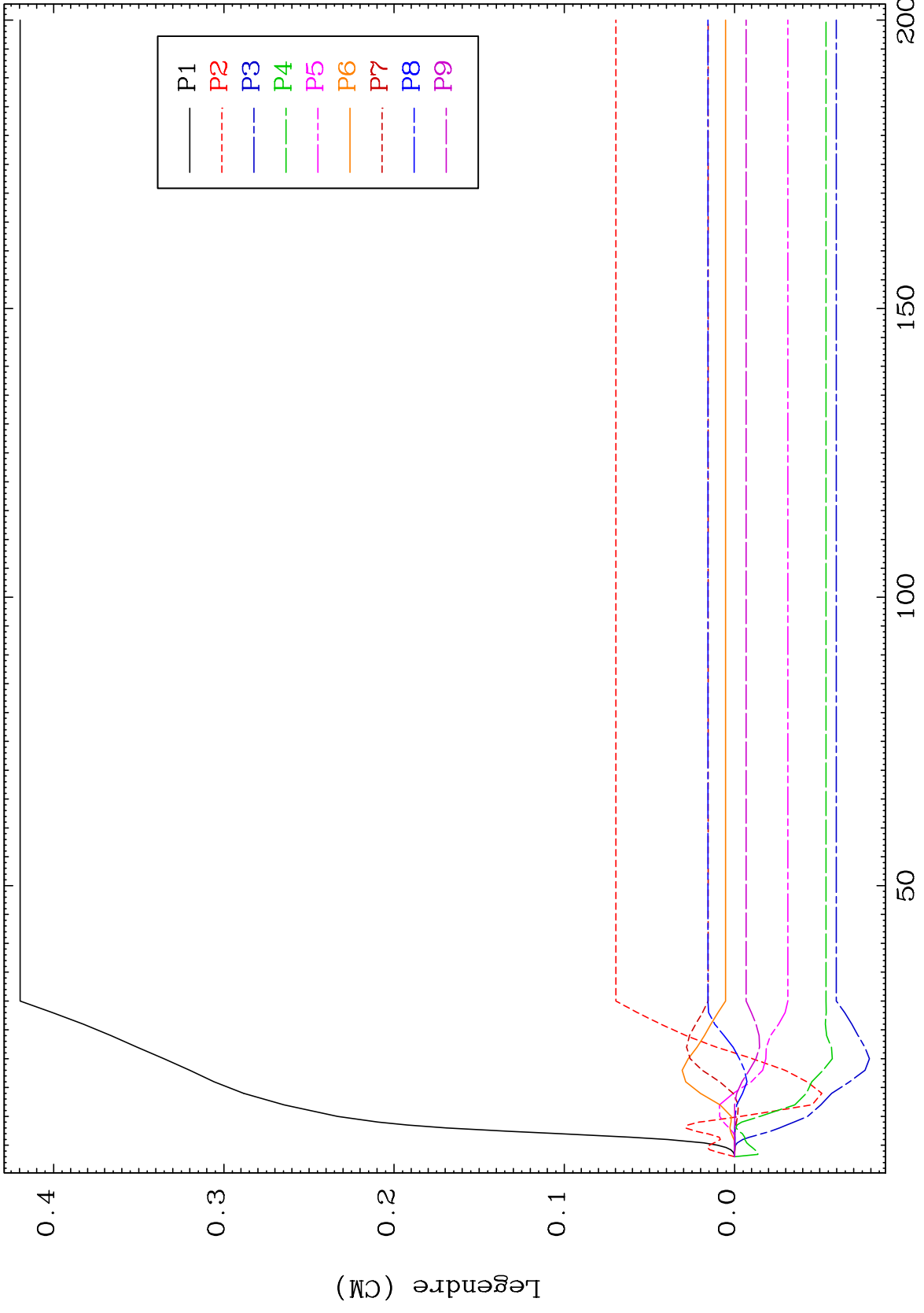
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



39

Incident Energy (MeV)

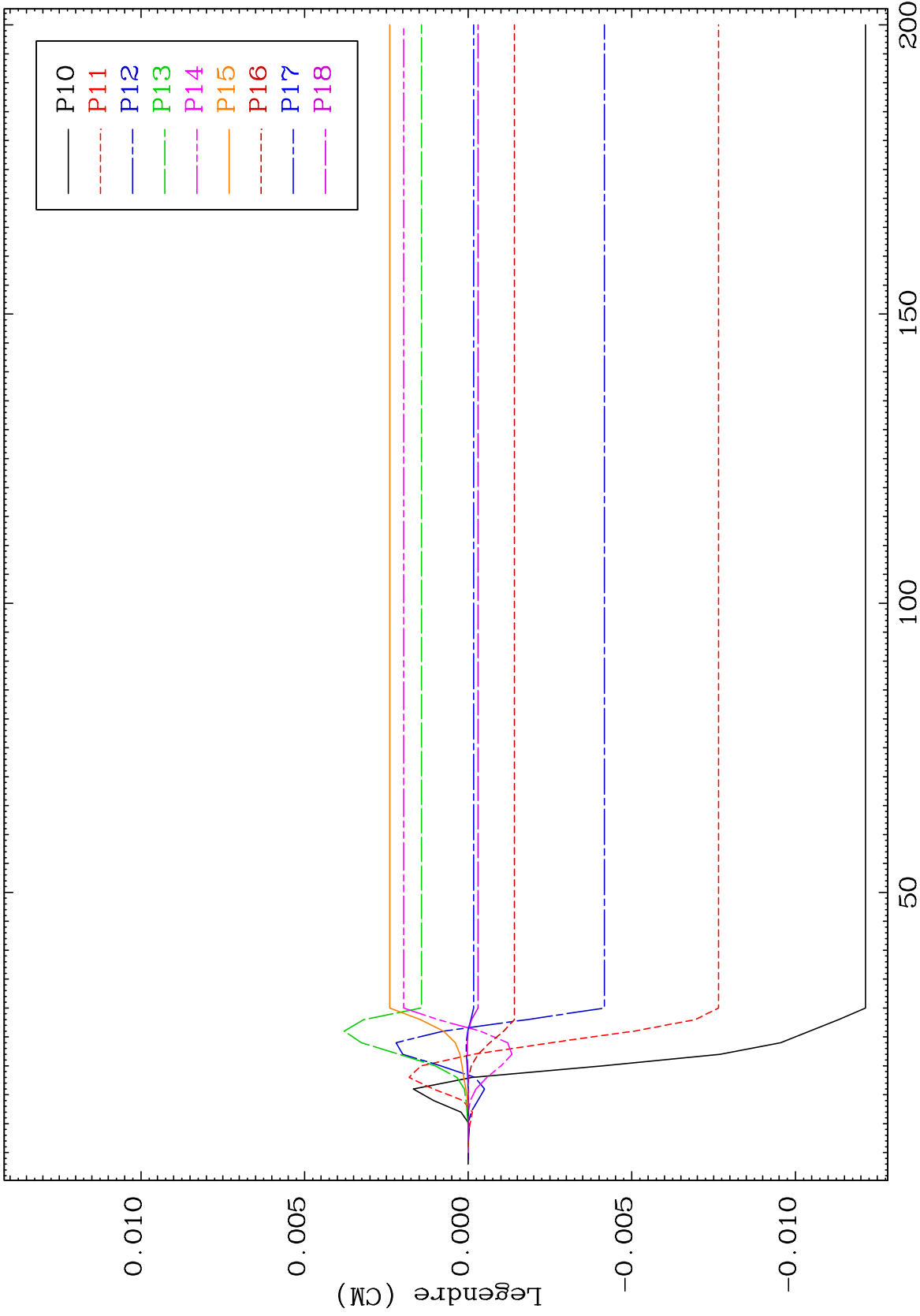
64-Gd-146



MAT 6407

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

64-Gd-146



40

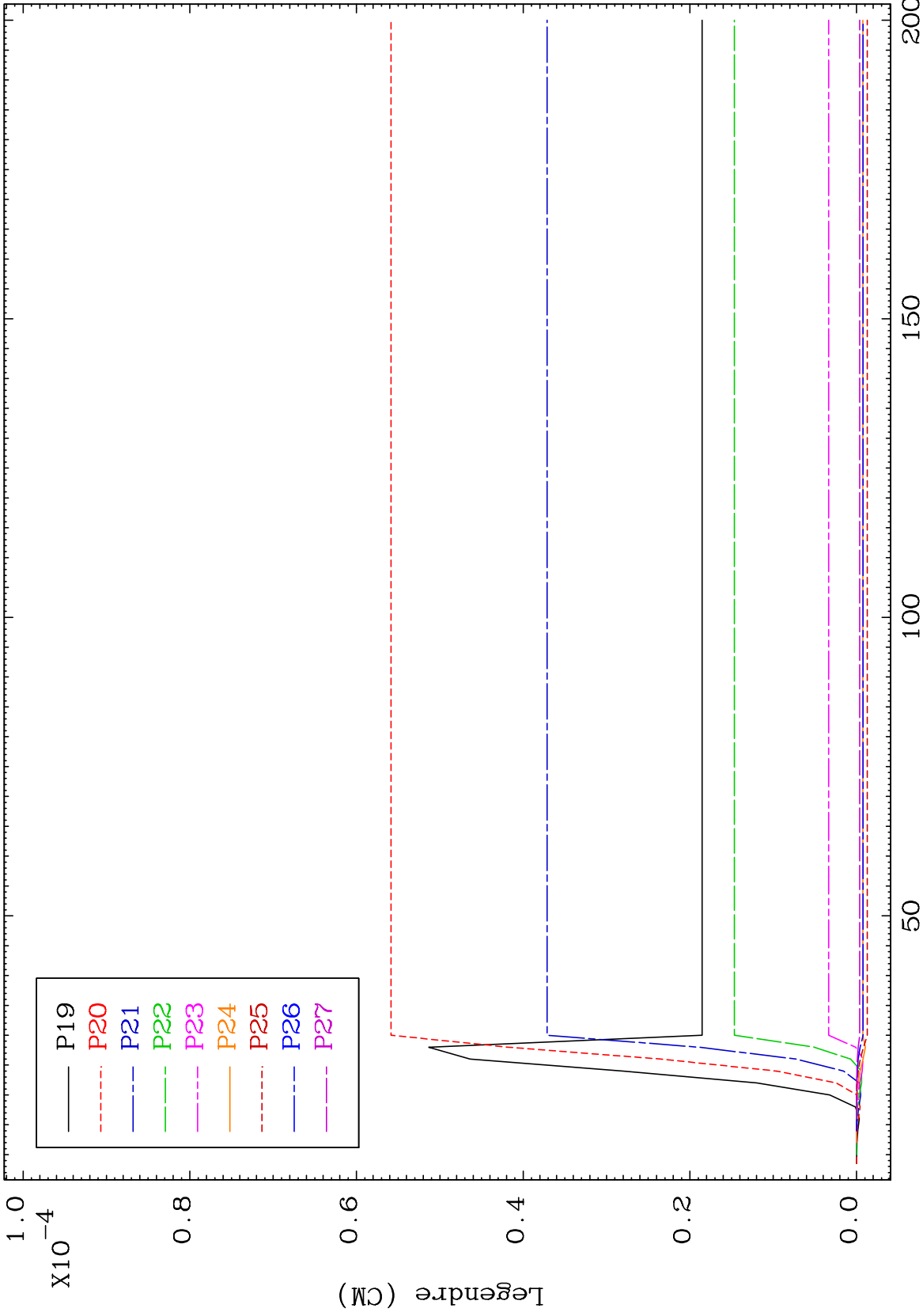
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

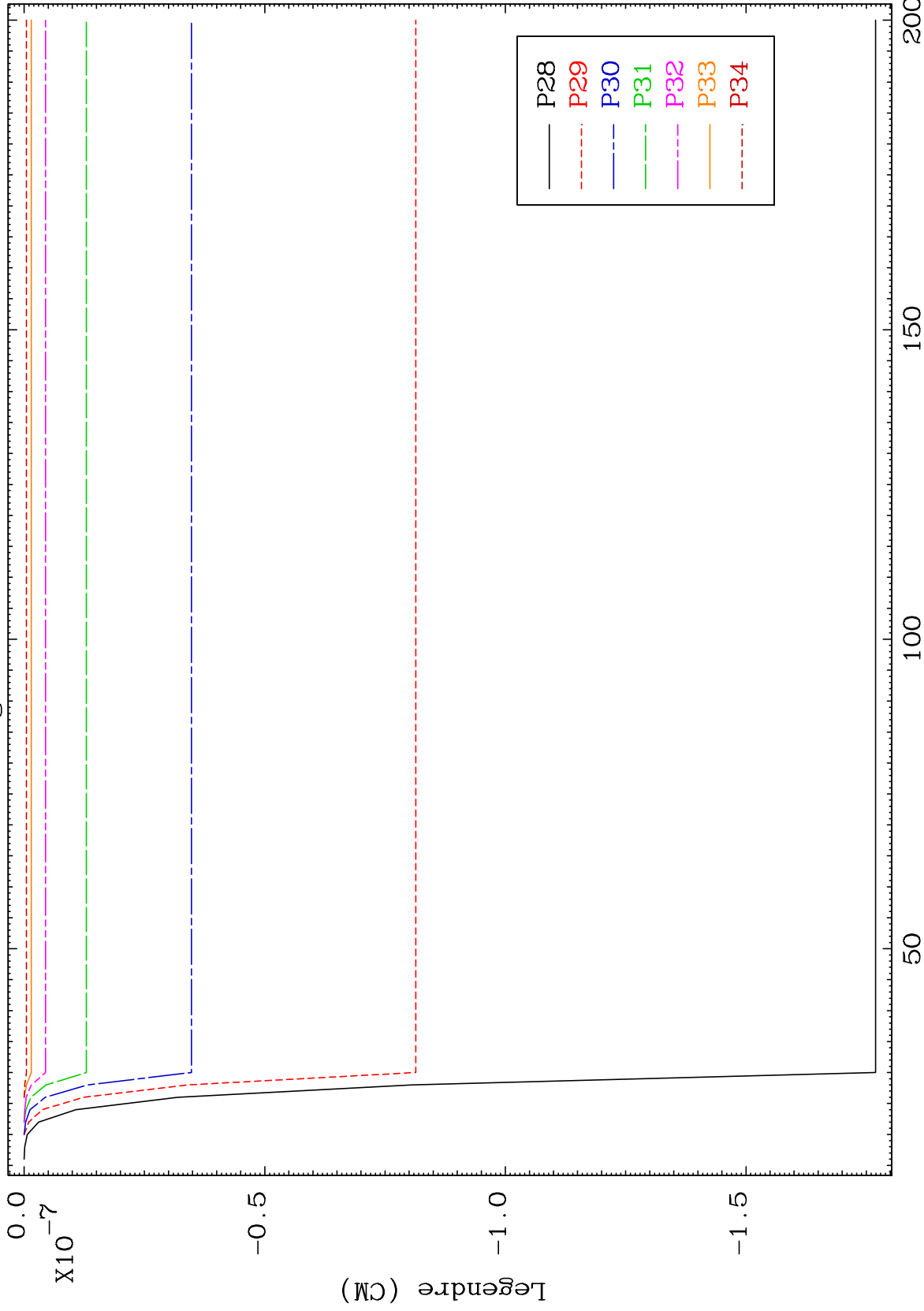
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MAT 6407

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

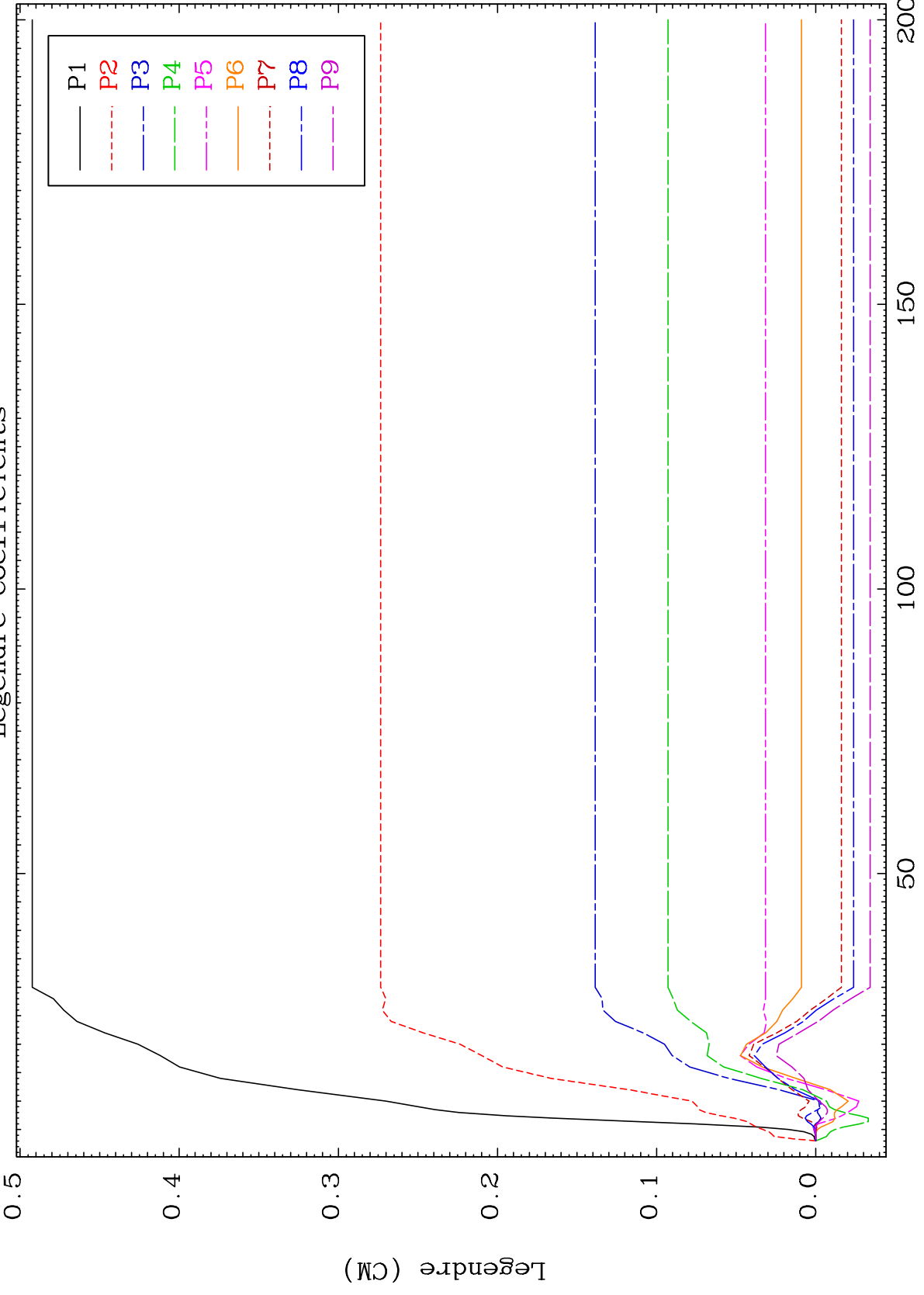
64-Gd-146



64-Gd-146

42

MAT 6407 MT= 57 (n,n') Level Legendre Coefficients 64-Gd-146

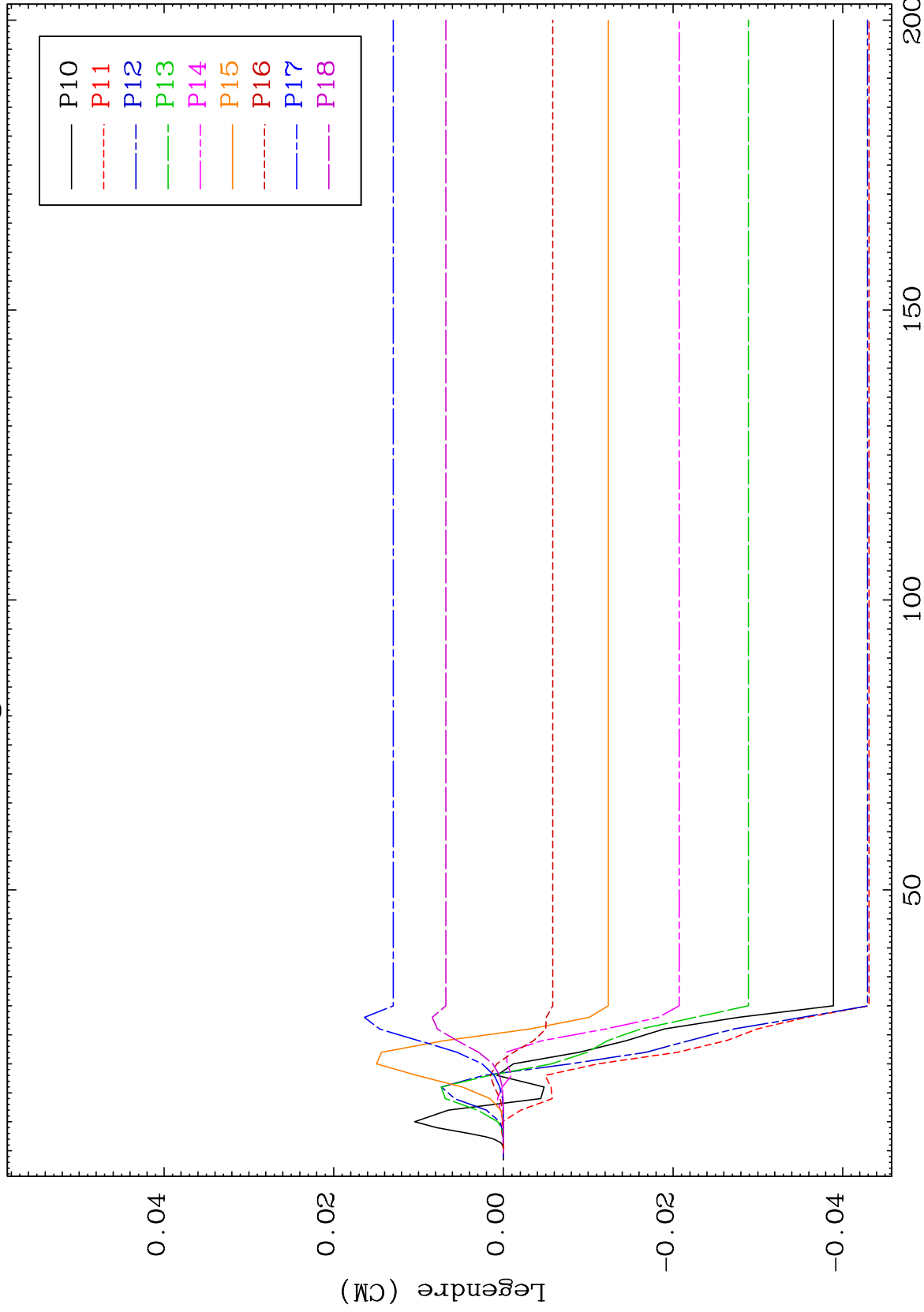


43 64-Gd-146

MAT 6407

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

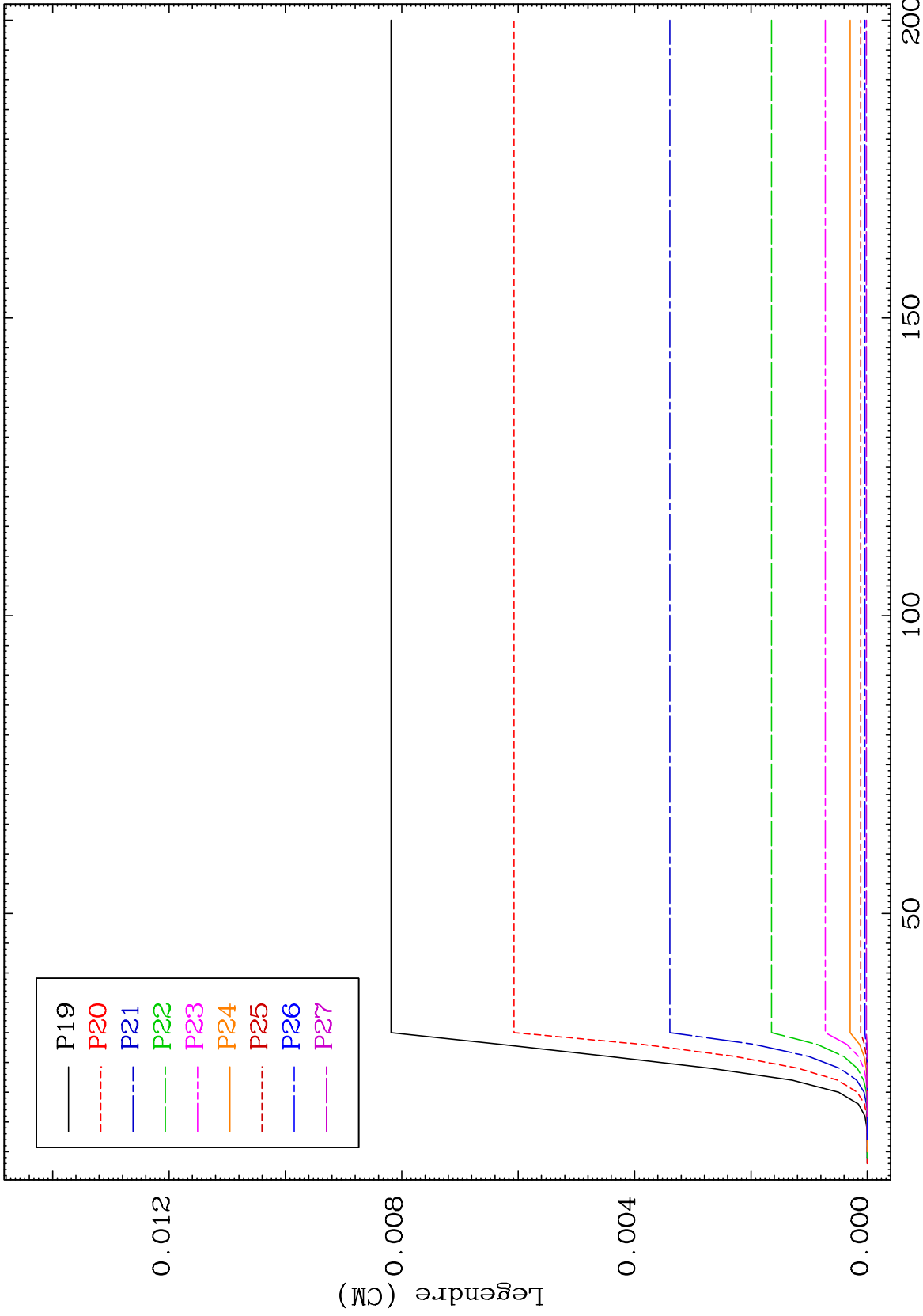
64-Gd-146



MAT 6407

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

64-Gd-146



45

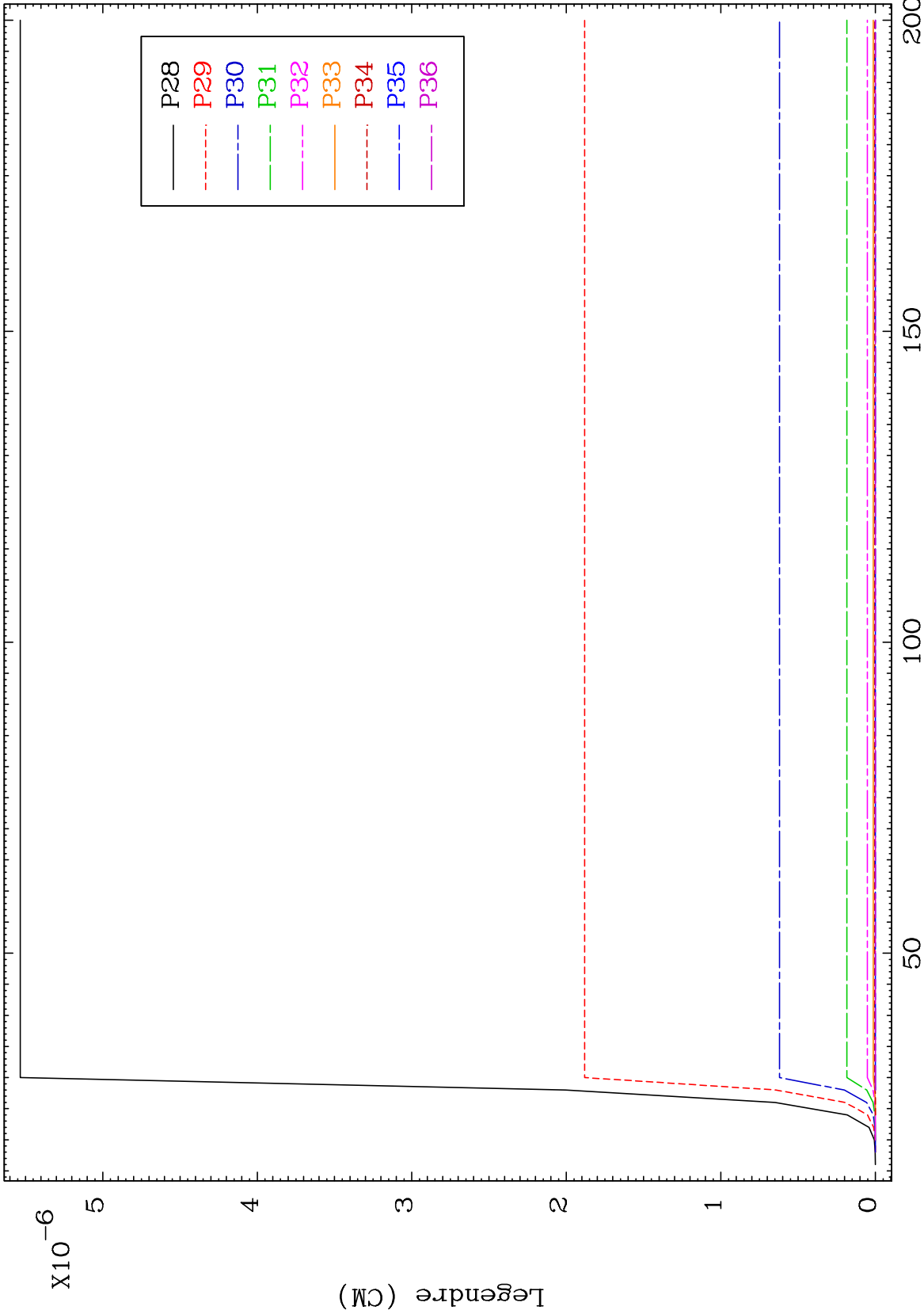
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146

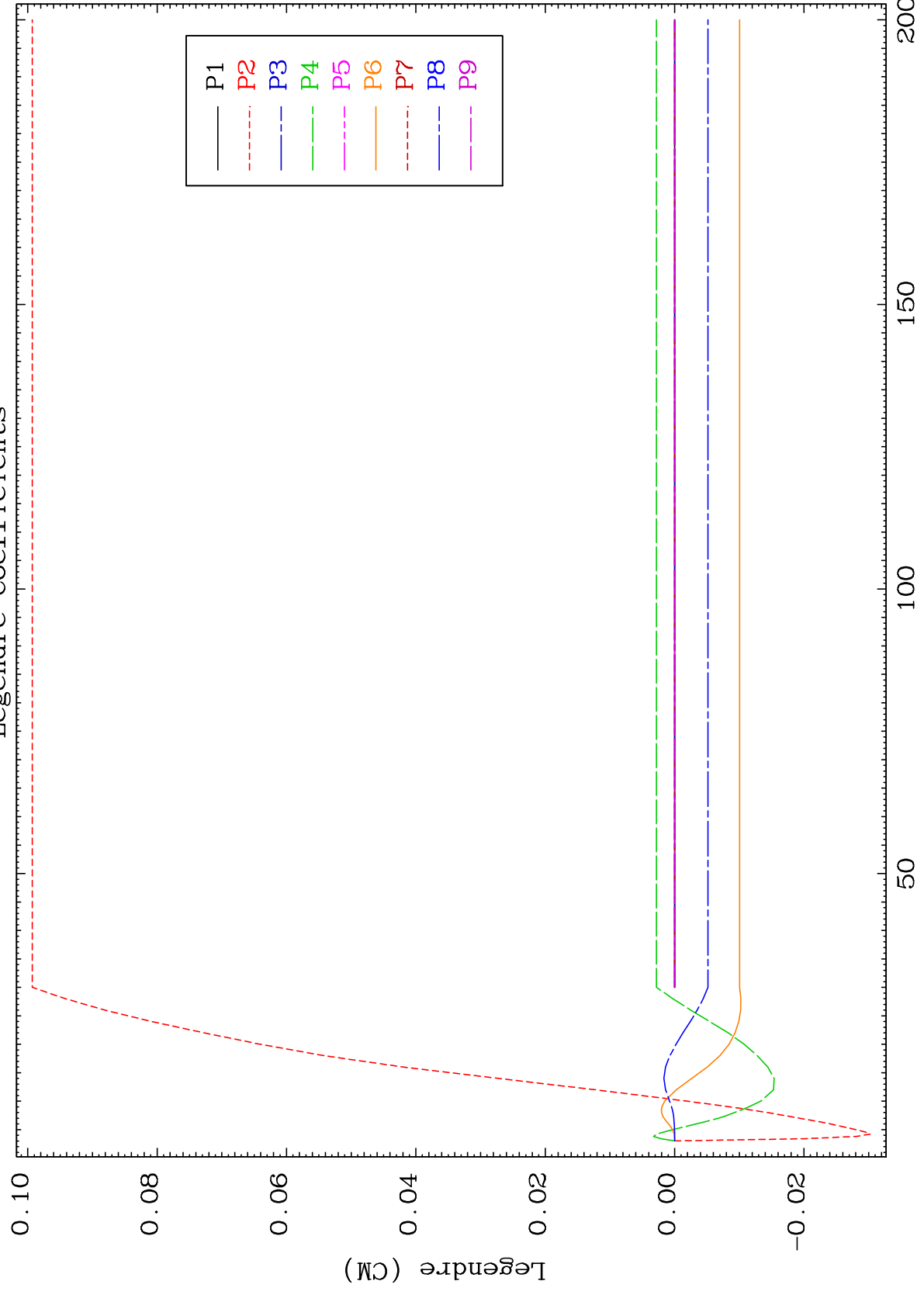


46

Incident Energy (MeV)

64-Gd-146

MAT 6407 MT= 58 (n,n') Level Legendre Coefficients 64-Gd-146

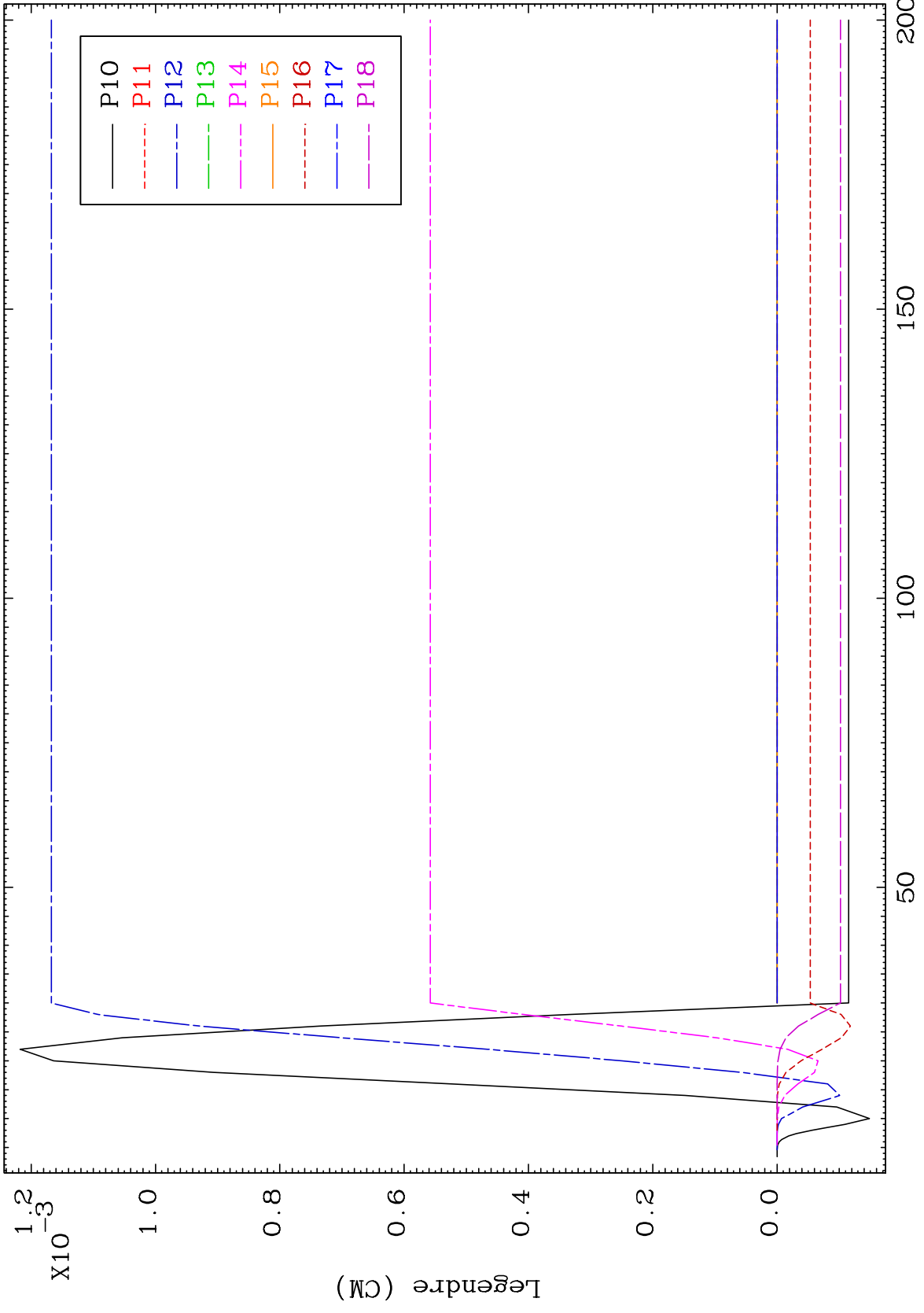




MAT 6407

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

64-Gd-146



48

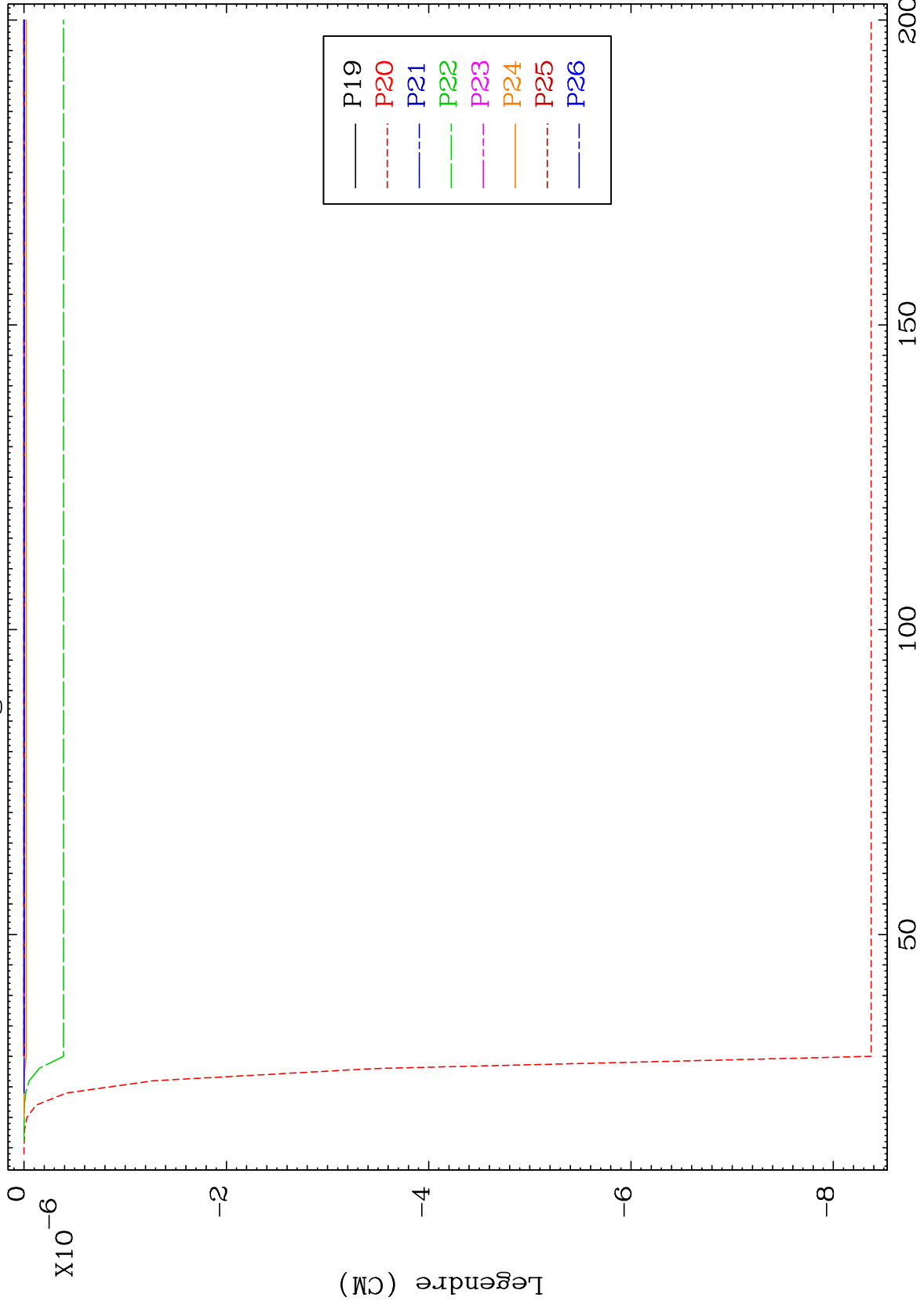
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

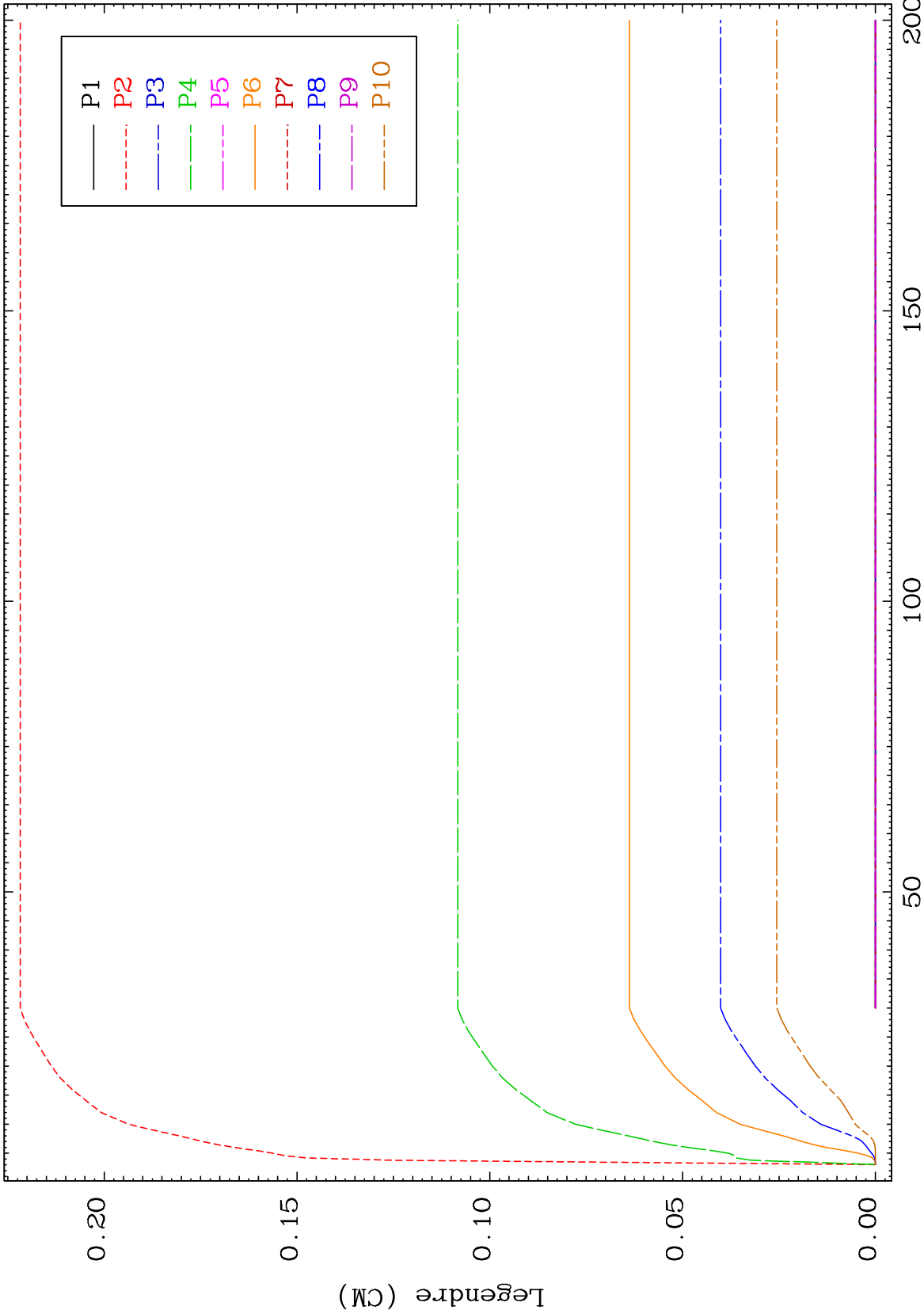
Incident Energy (MeV)

49

MAT 6407

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

64-Gd-146



50

50

100

150

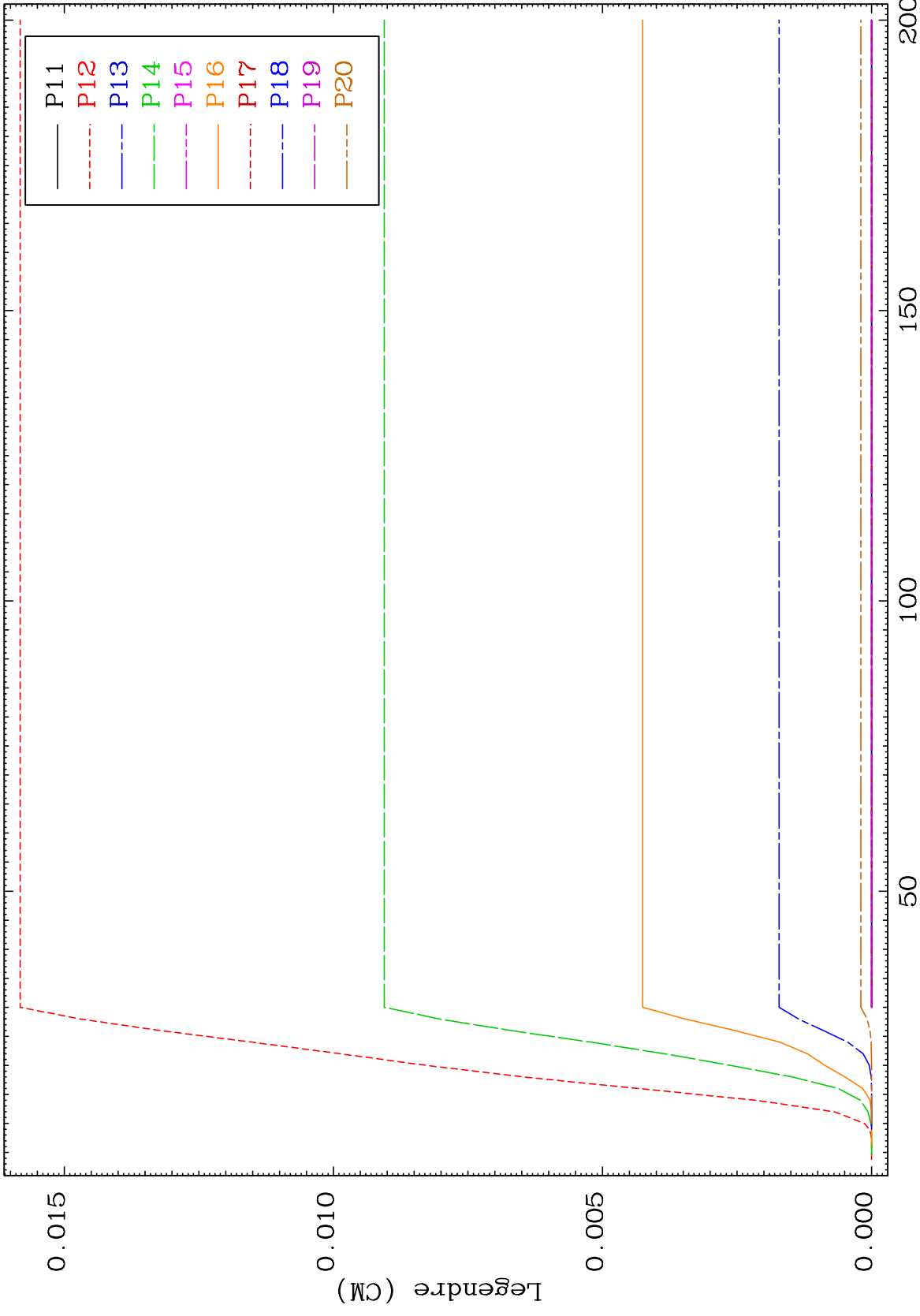
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64-Gd-146

MAT 6407

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

64-Gd-146

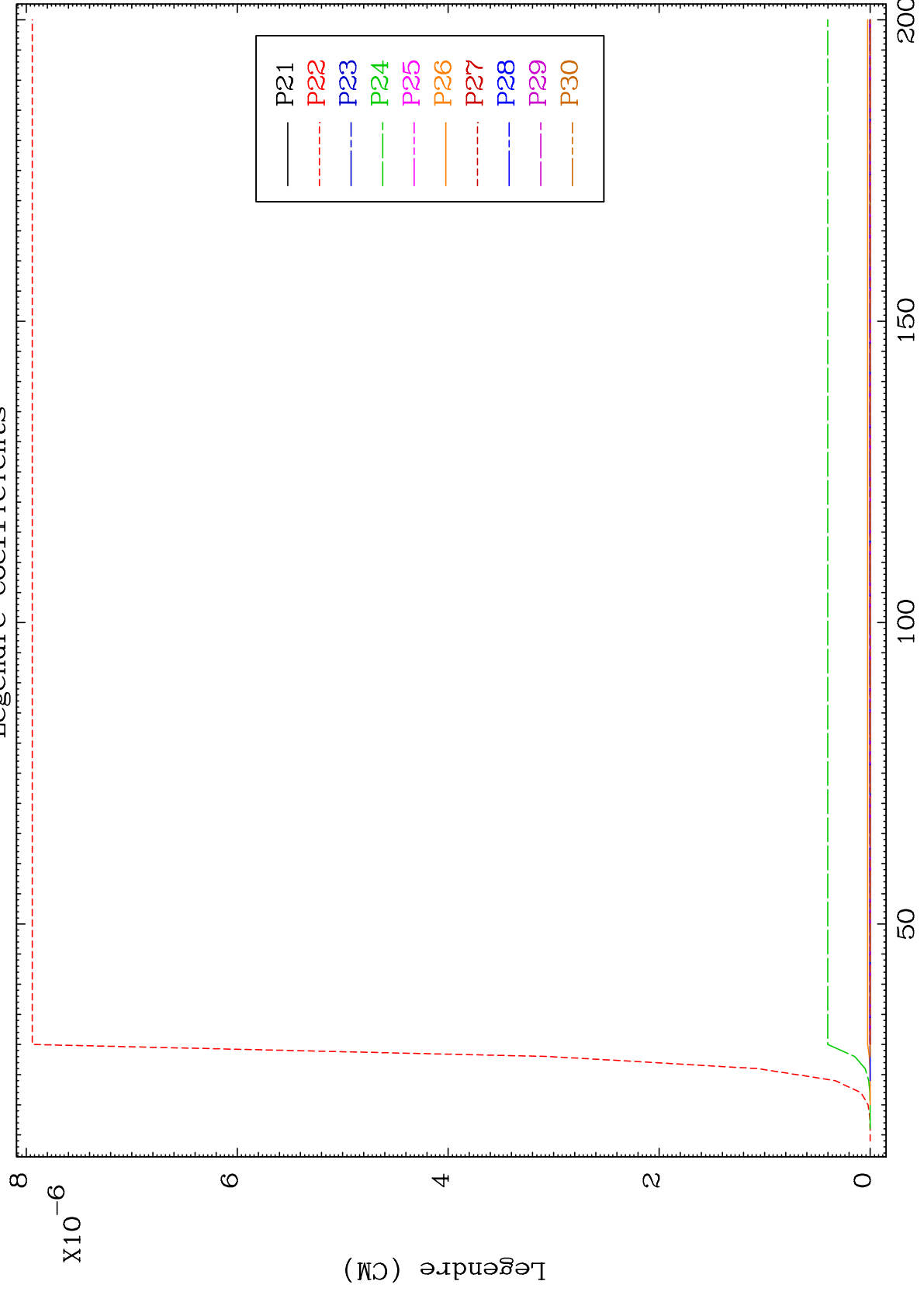


51

Incident Energy (MeV)

64-Gd-146

MAT 6407 MT= 59 (n,n') Level Legendre Coefficients 64-Gd-146



64-Gd-146

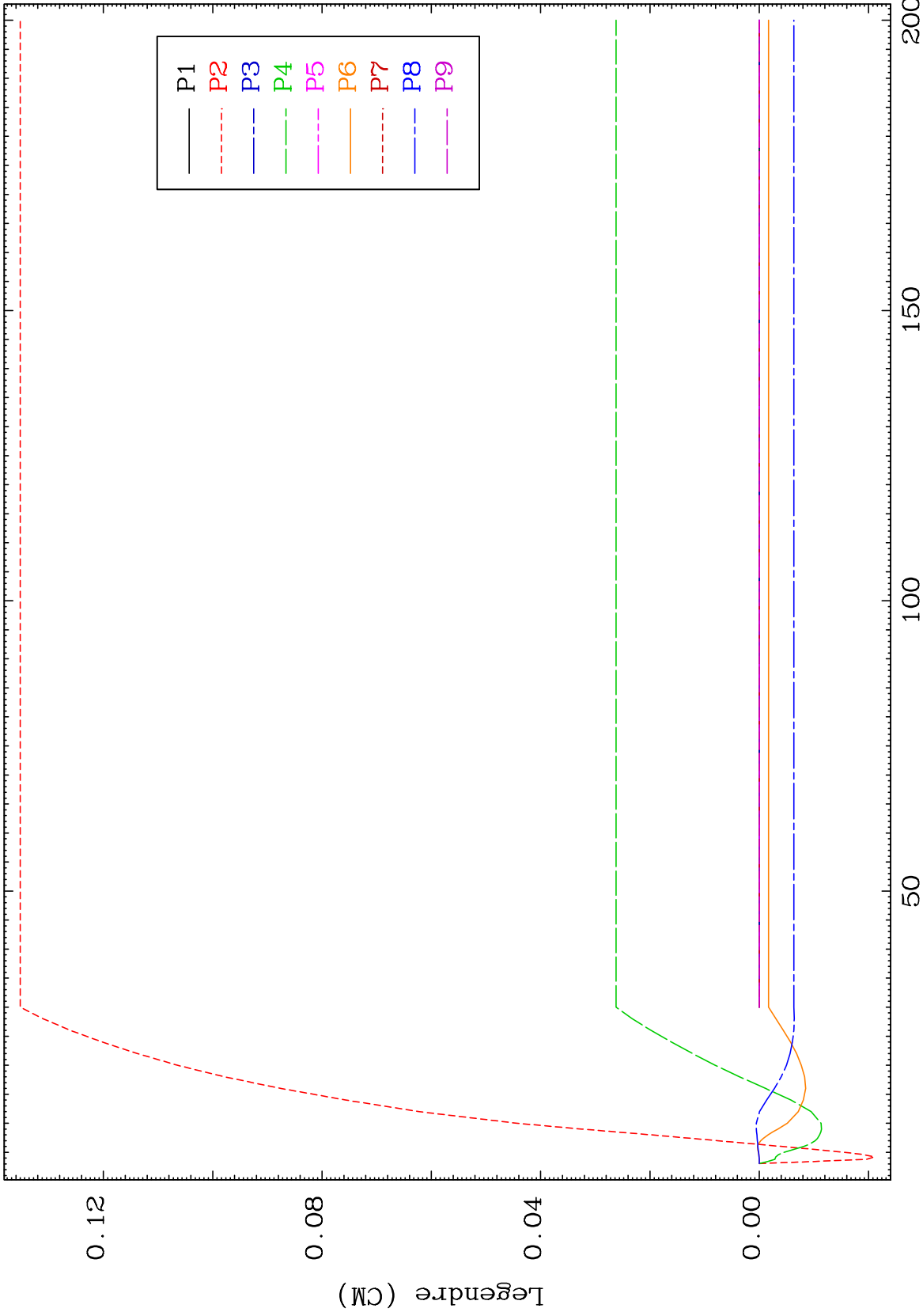
Incident Energy (MeV)

52

MAT 6407

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

64-Gd-146



53

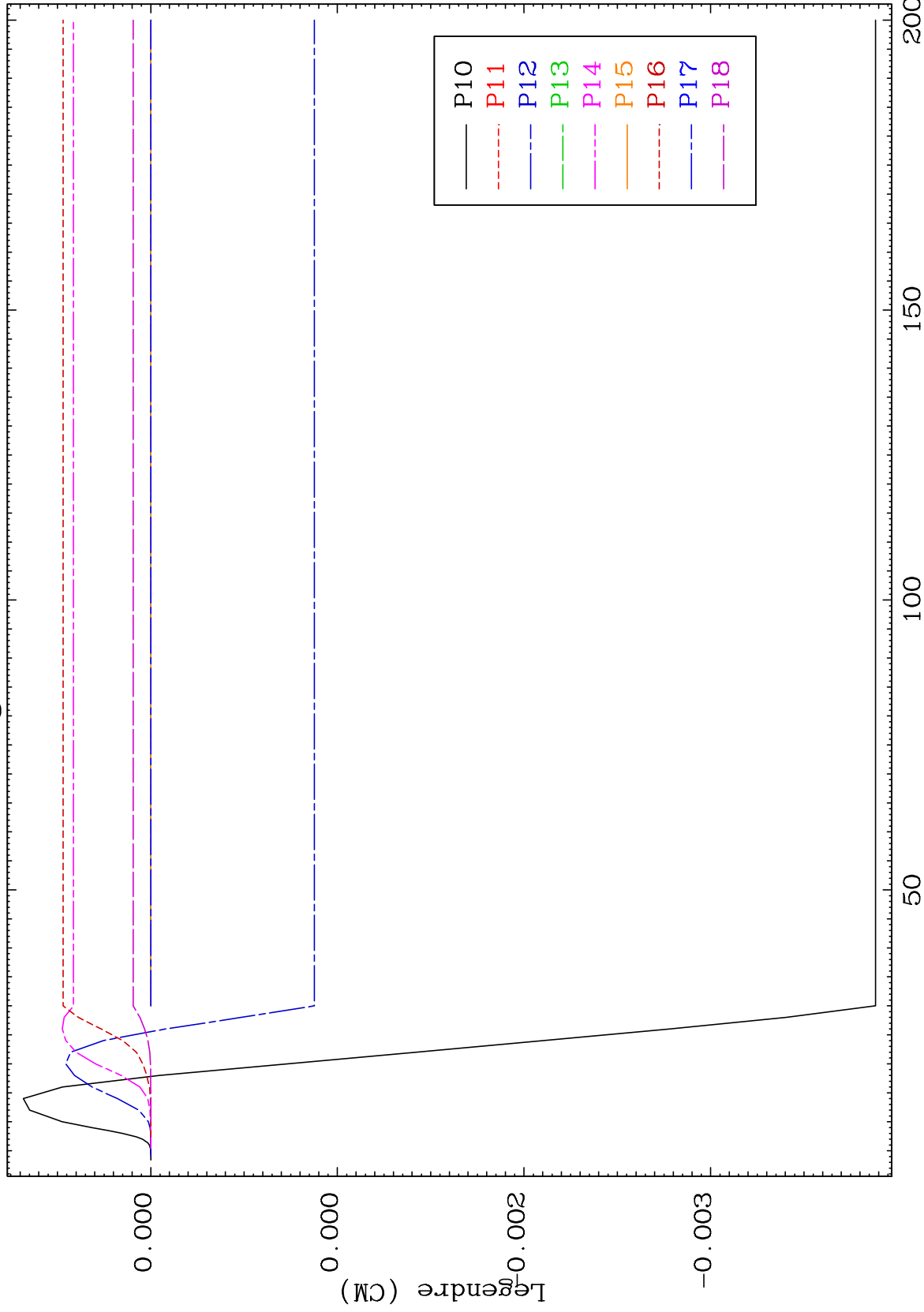
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



54

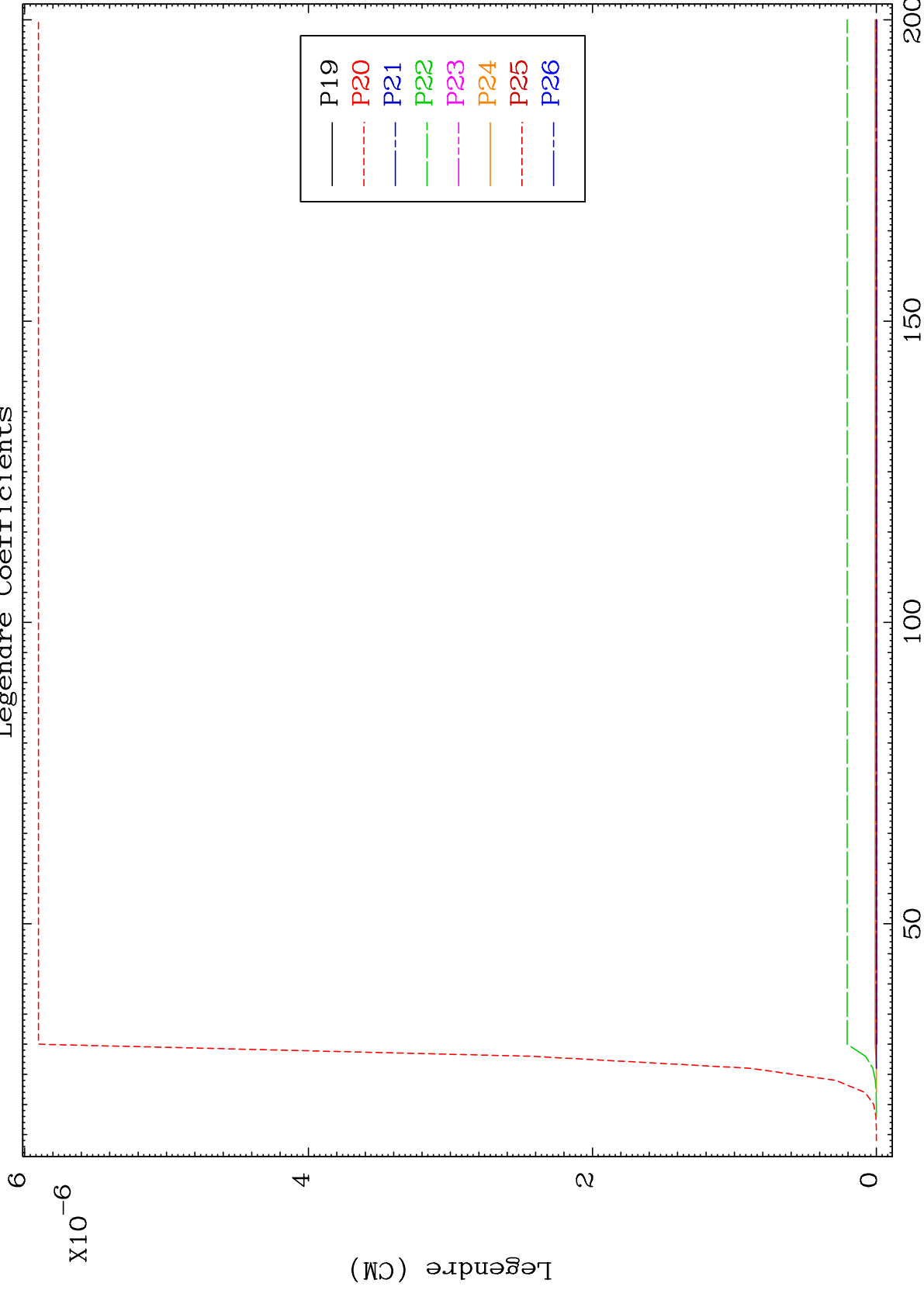
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

Incident Energy (MeV)

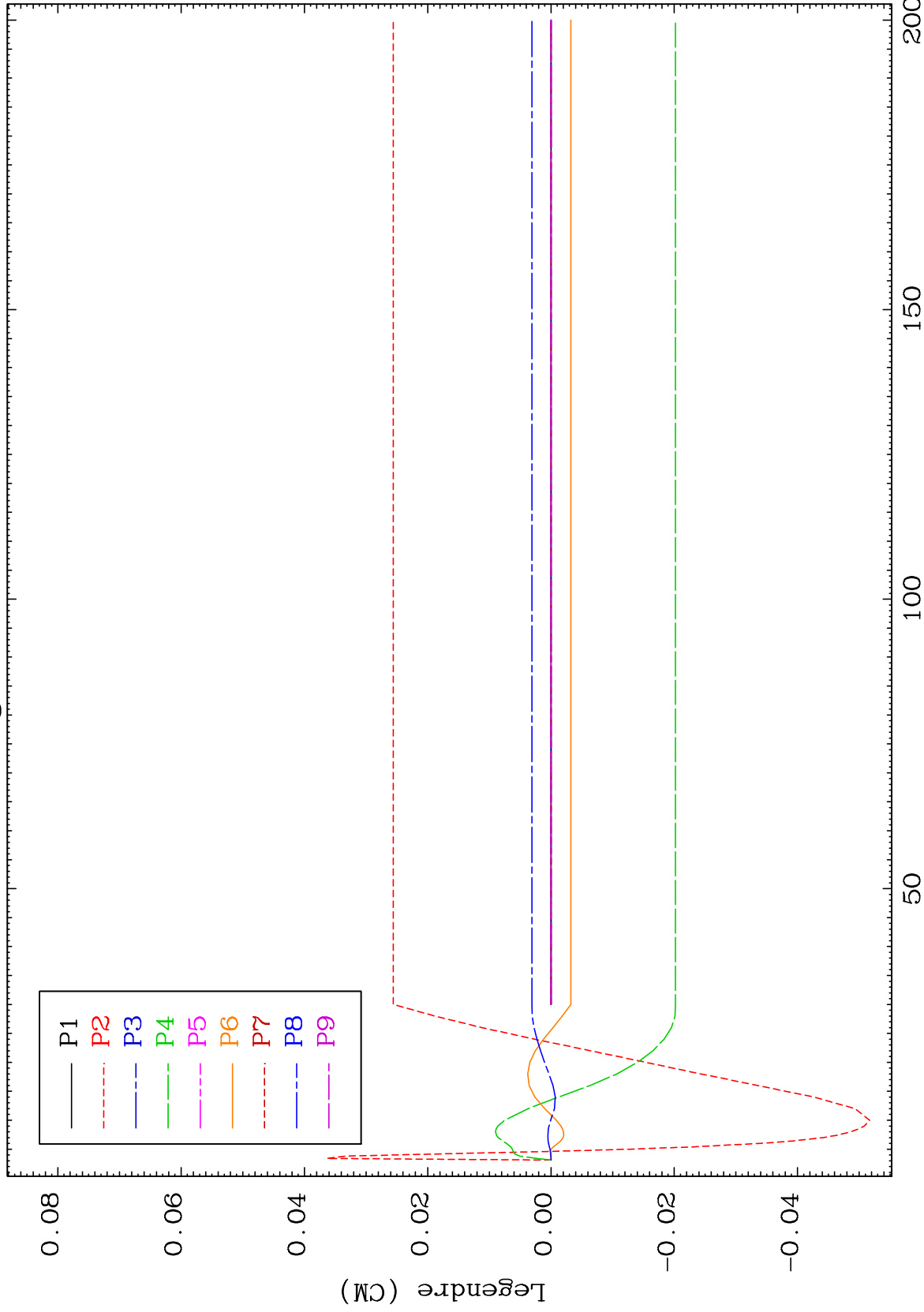
55



MAT 6407

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

64-Gd-146



56

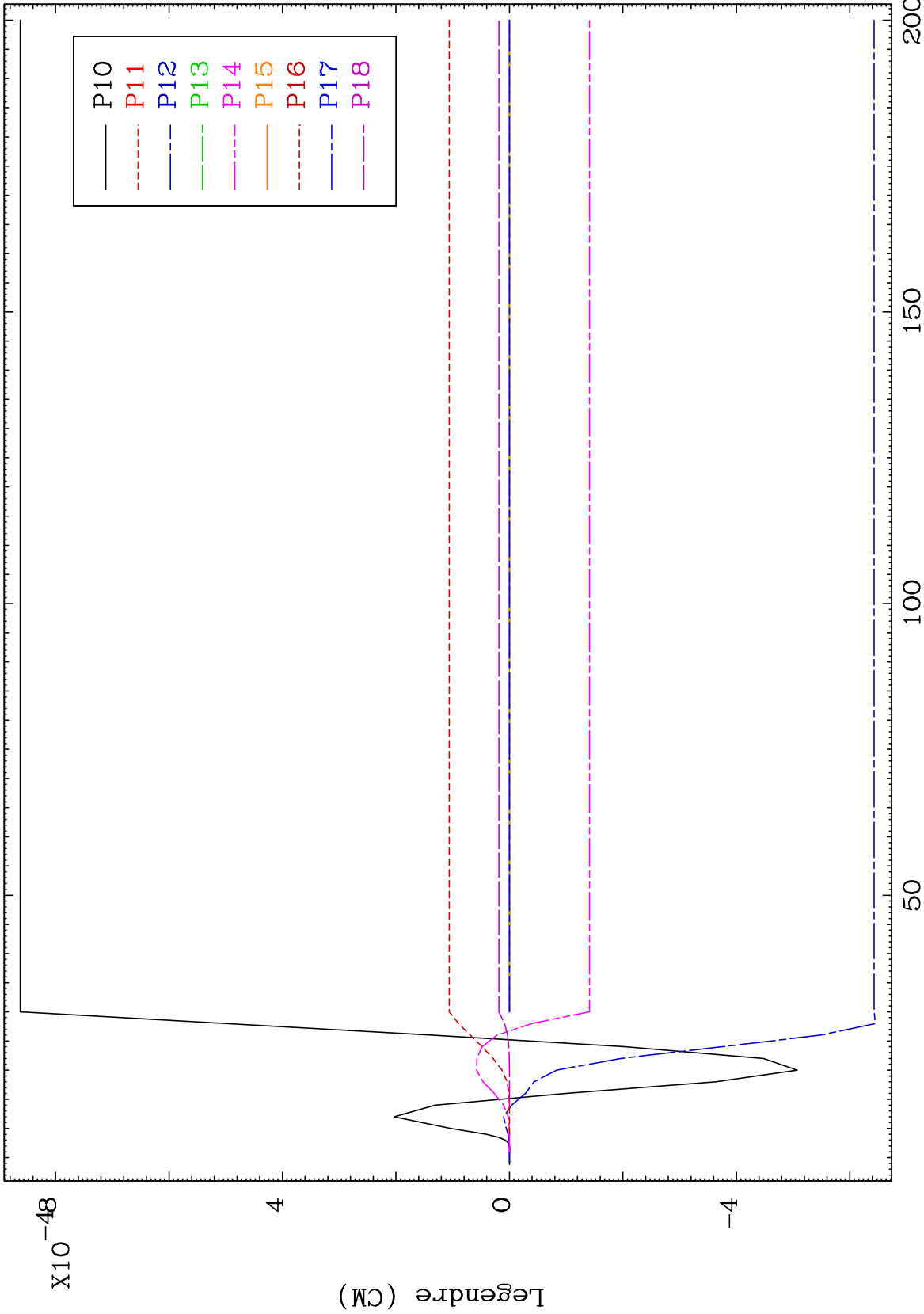
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



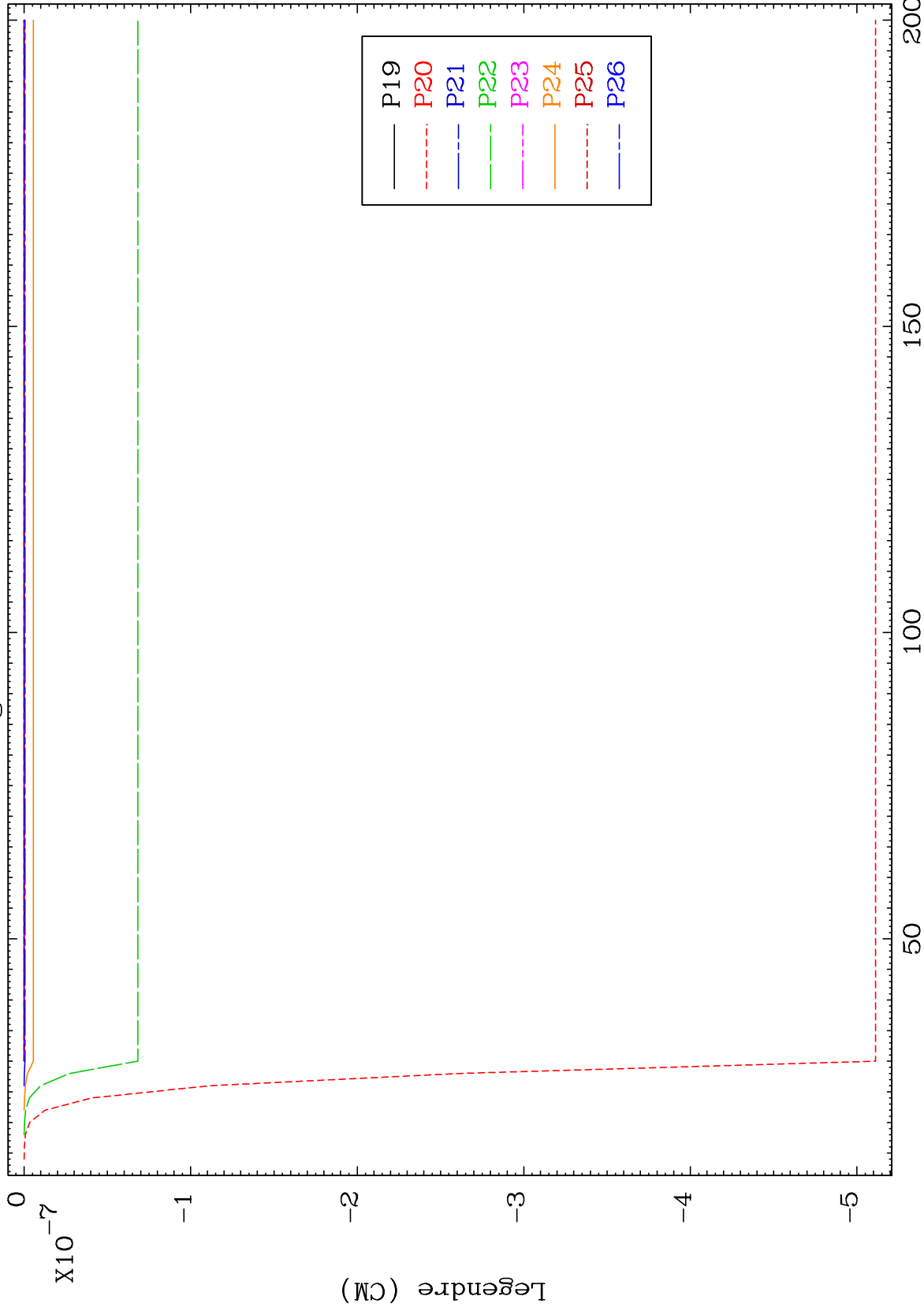
57

64-Gd-146

MAT 6407

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

64-Gd-146

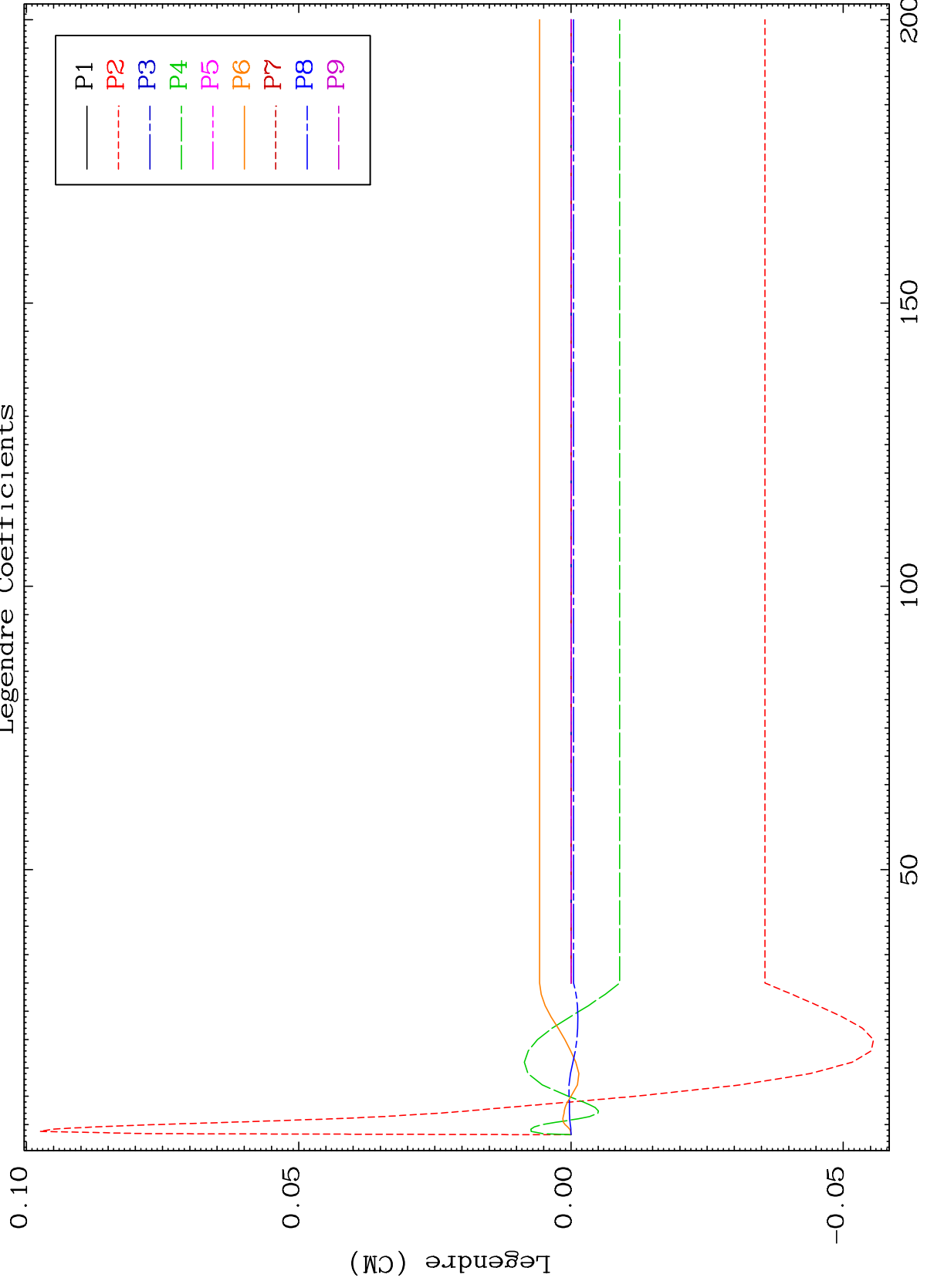


58

Incident Energy (MeV)

64-Gd-146

MAT 6407 MT= 62 (n,n') Level Legendre Coefficients 64-Gd-146

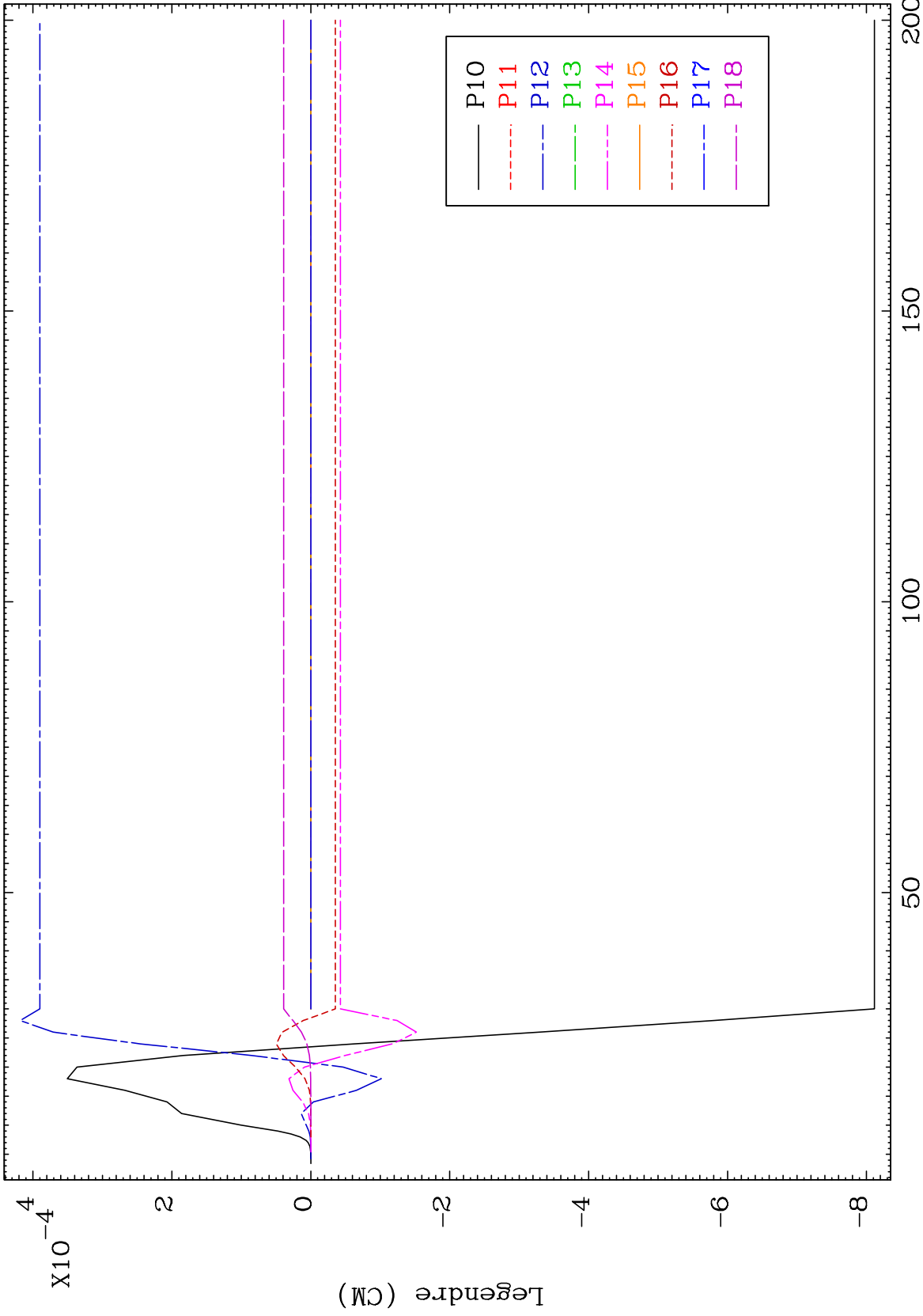


59 Incident Energy (MeV) 64-Gd-146

MAT 6407

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

64-Gd-146



60

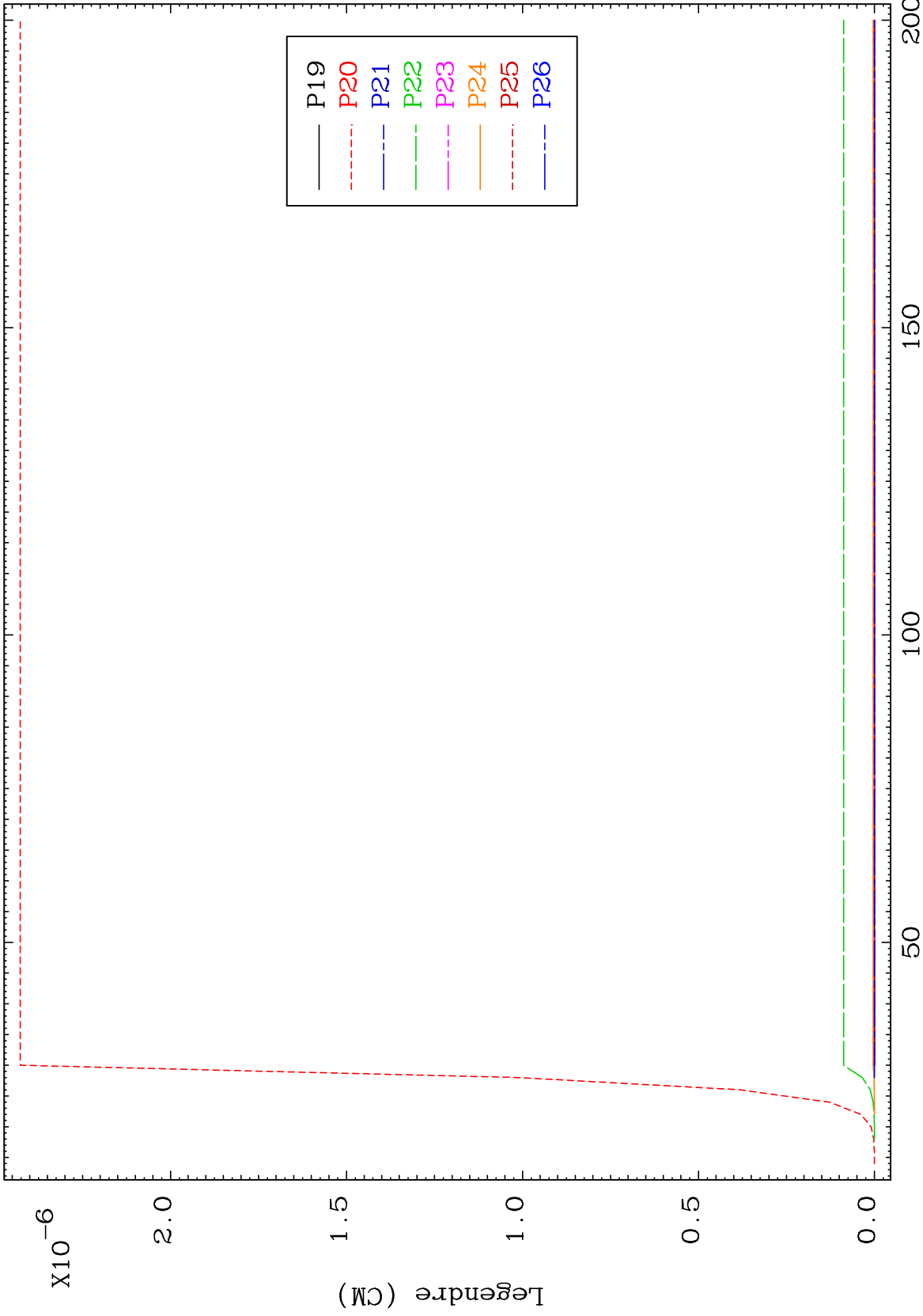
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

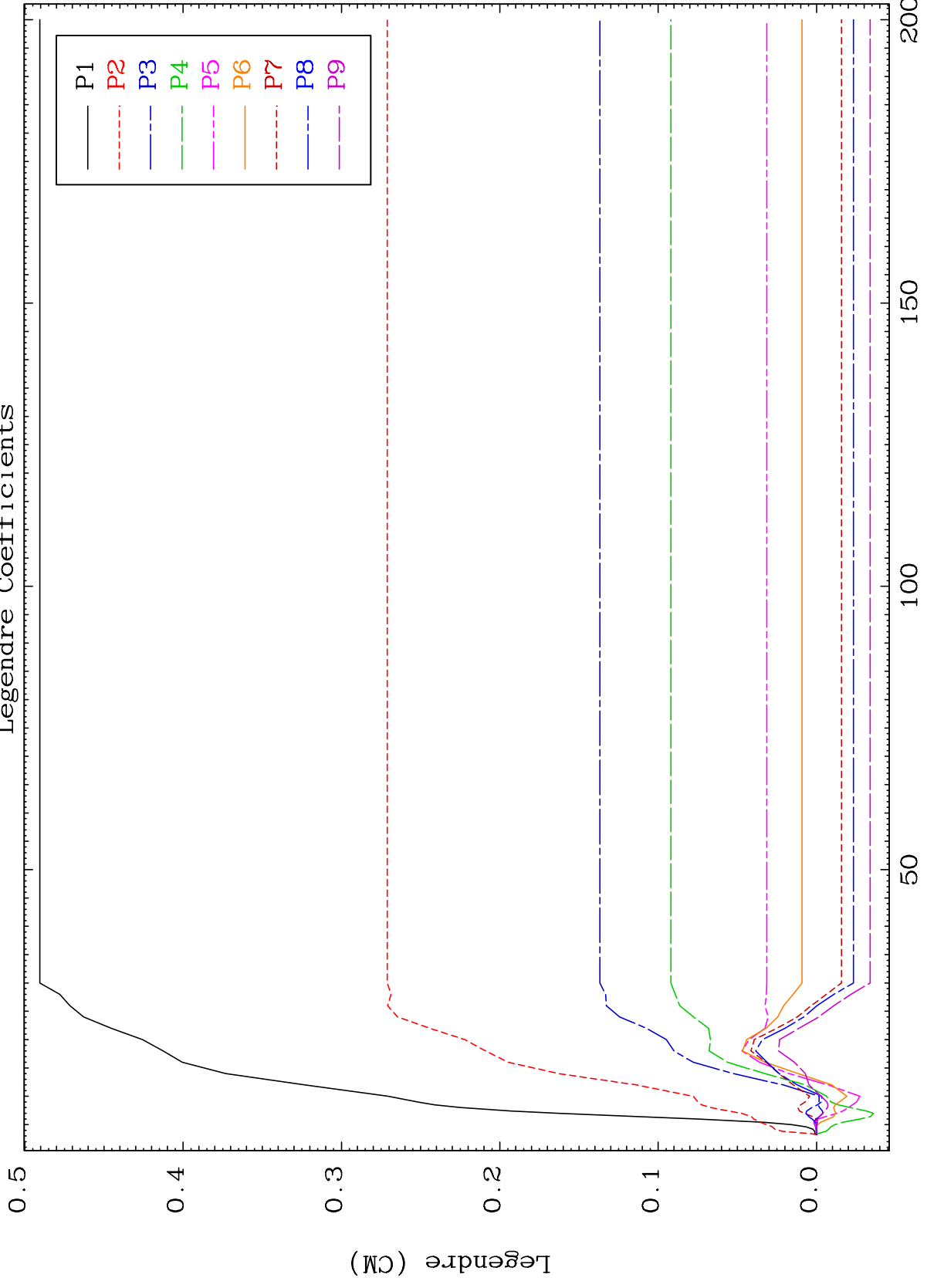
64-Gd-146



61

64-Gd-146

MAT 6407 MT= 63 (n,n') Level Legendre Coefficients 64-Gd-146

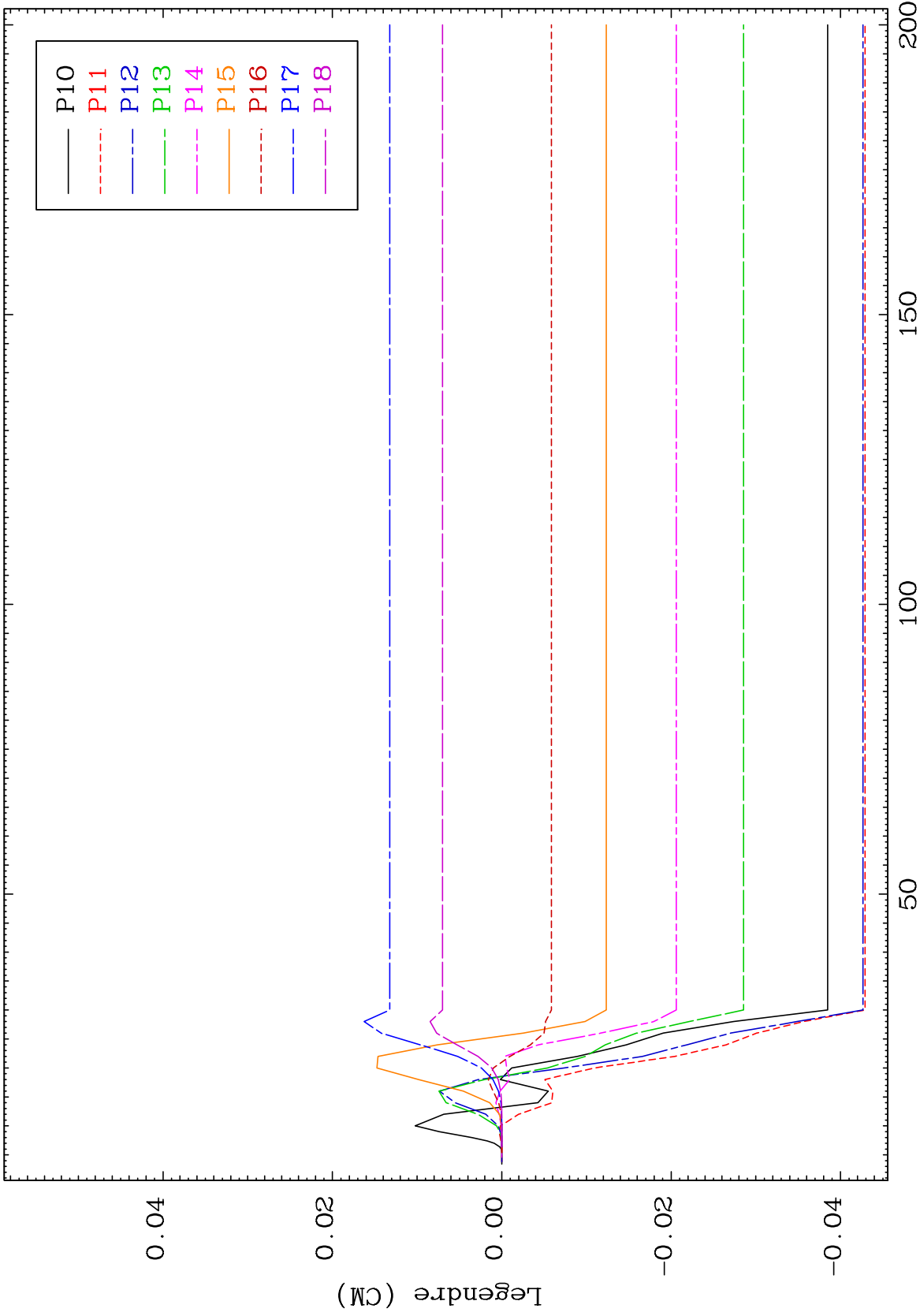


62 64-Gd-146

MAT 6407

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

64-Gd-146



63

Incident Energy (MeV)

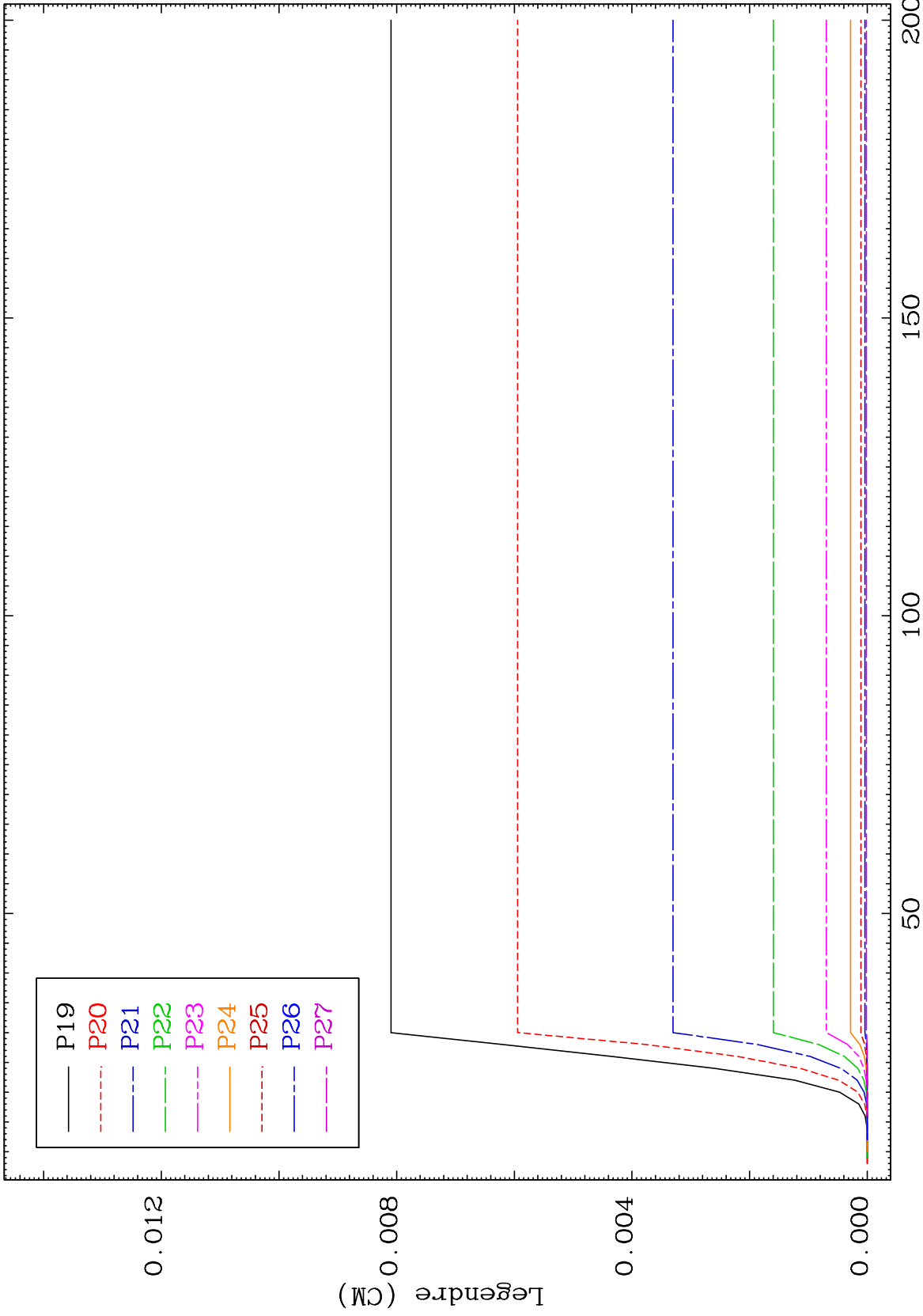
64-Gd-146



MAT 6407

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

64-Gd-146



64

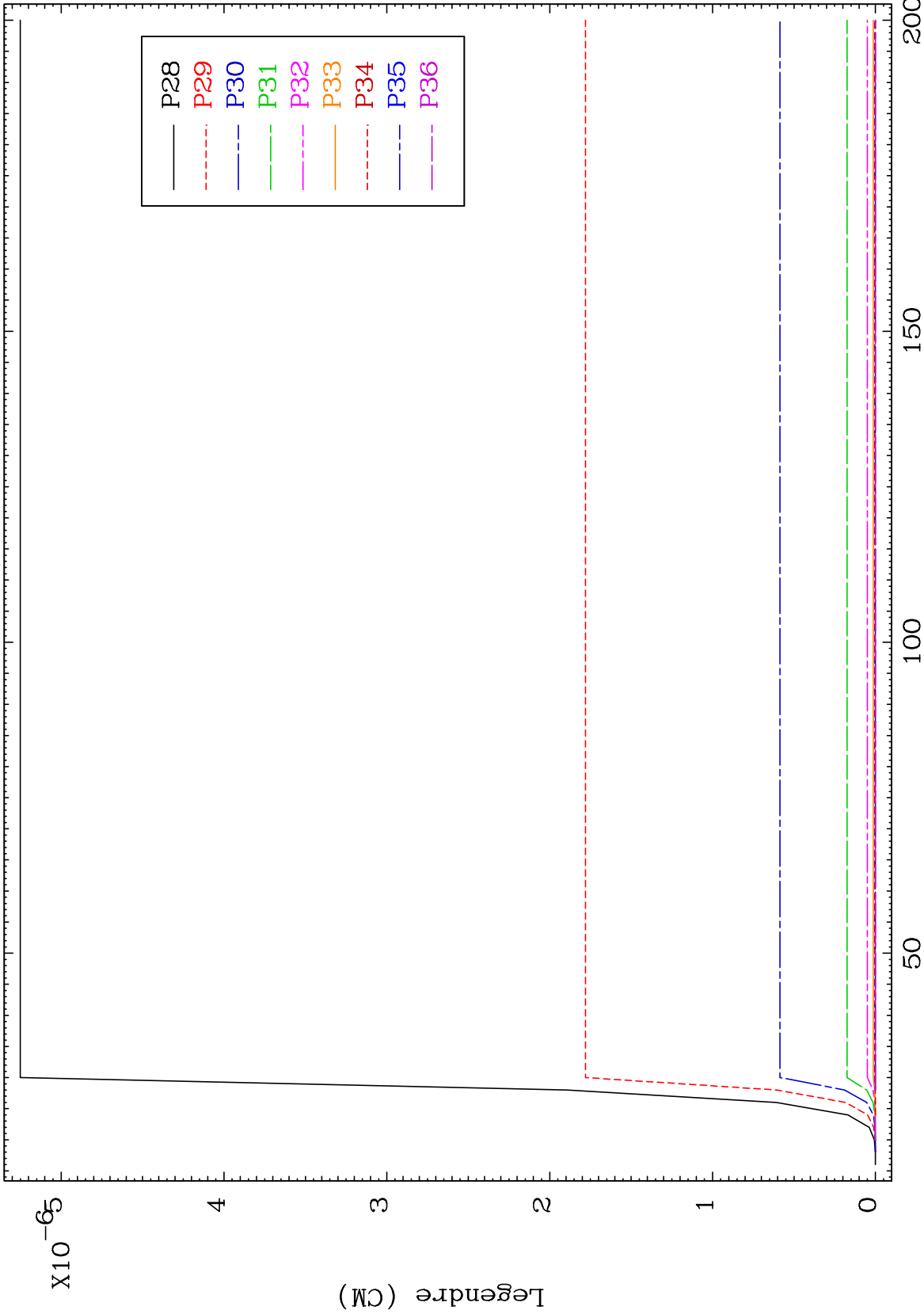
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



65

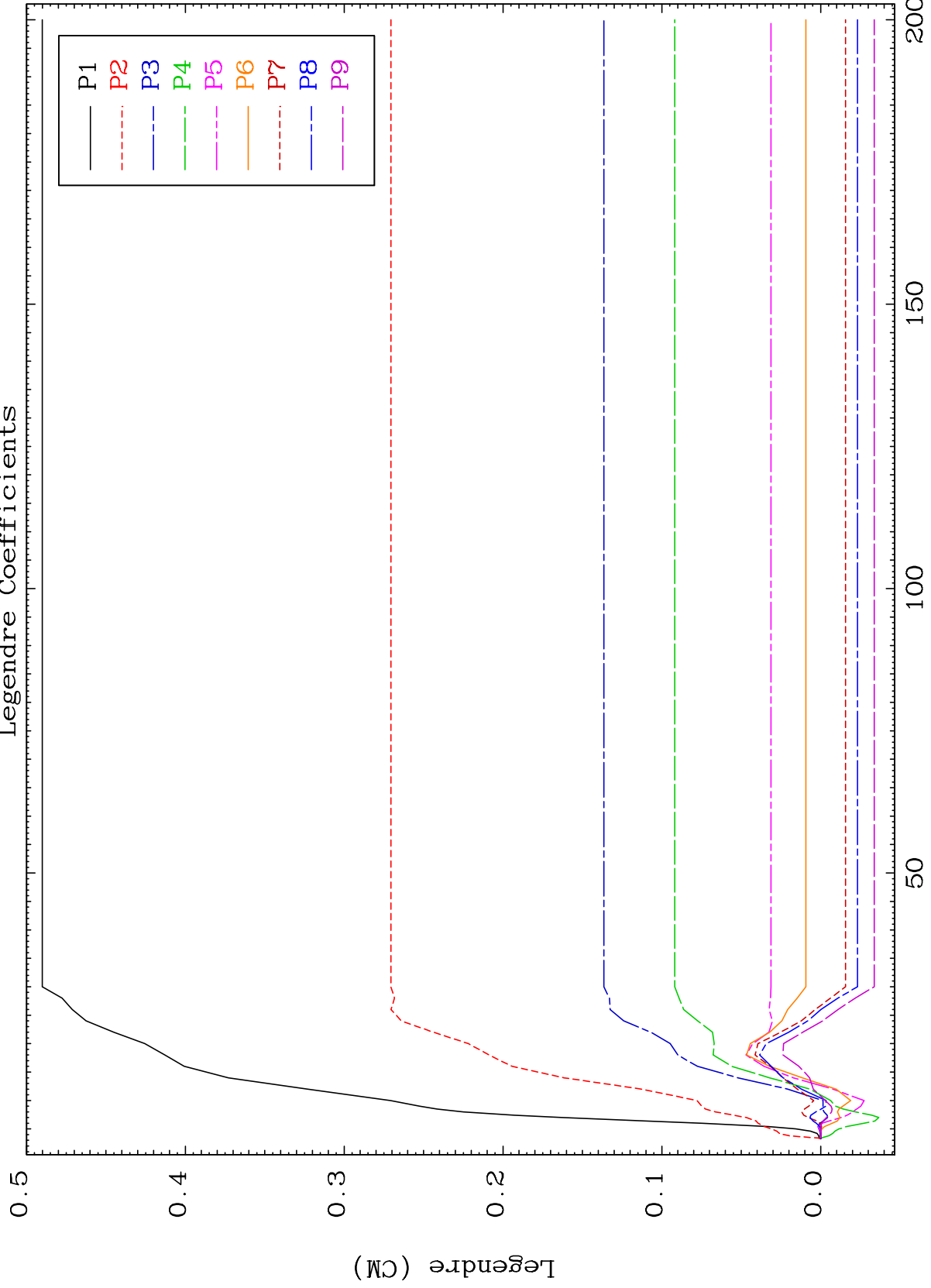
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

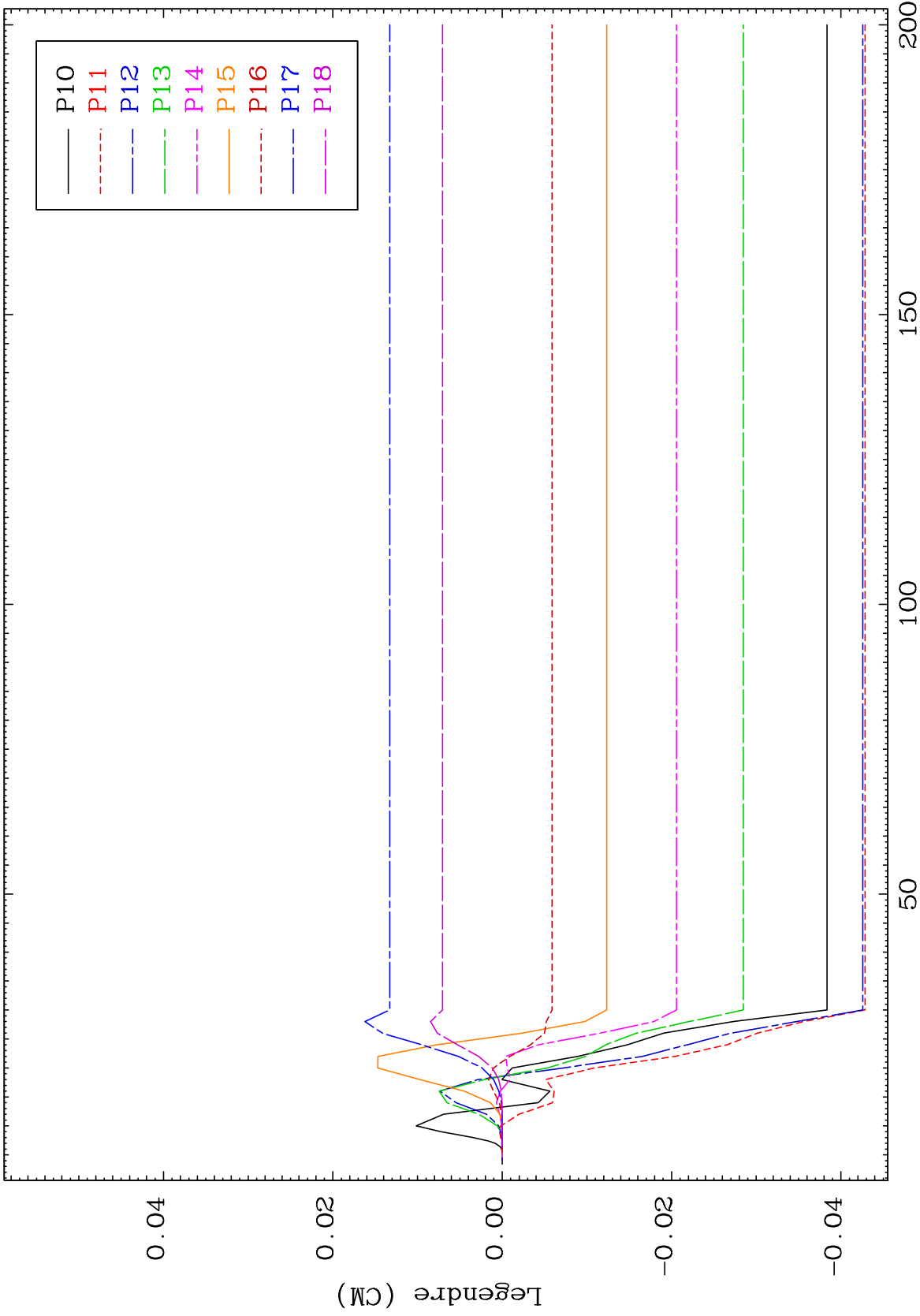
Incident Energy (MeV)

66

MAT 6407

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

64-Gd-146



67

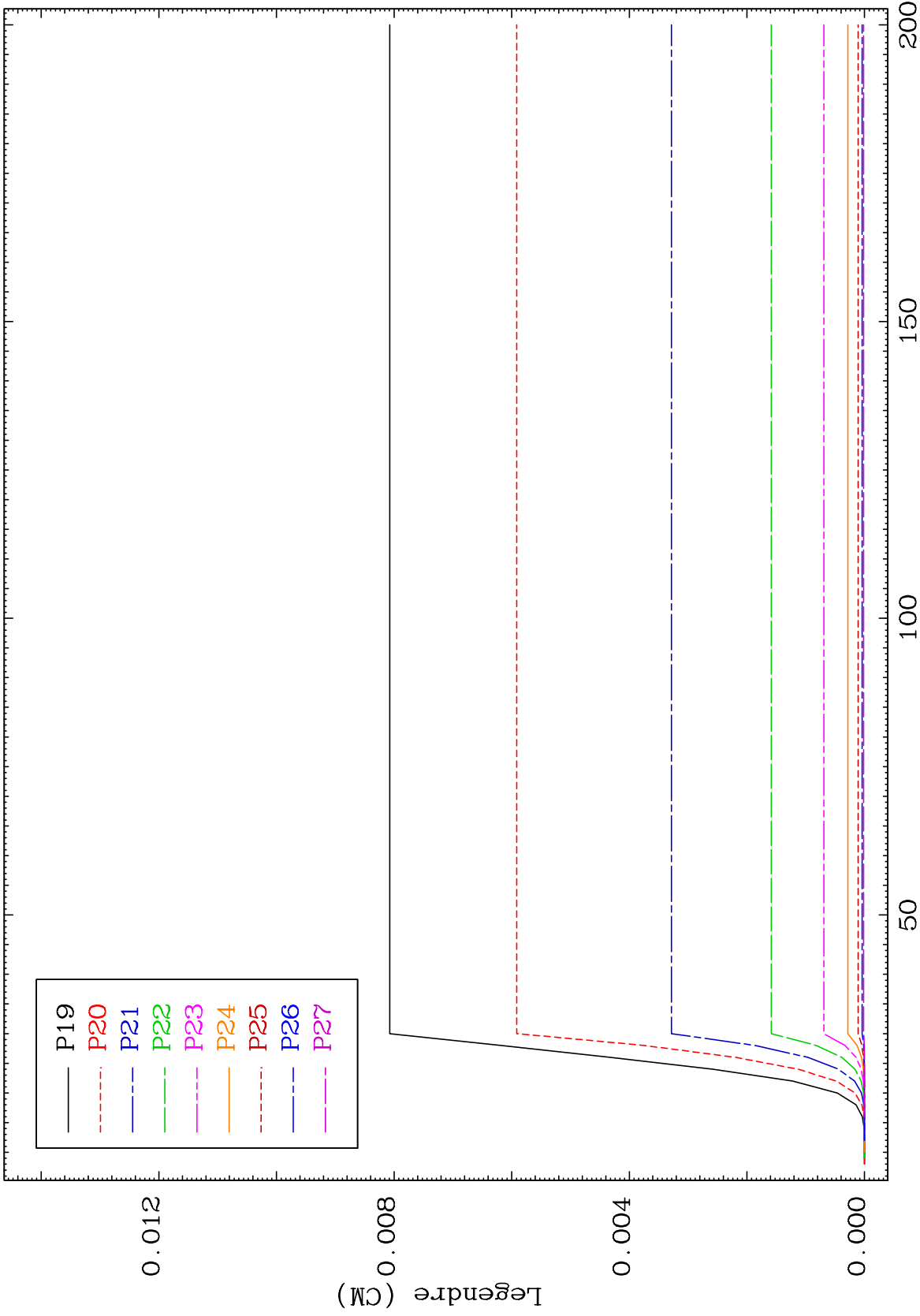
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



68

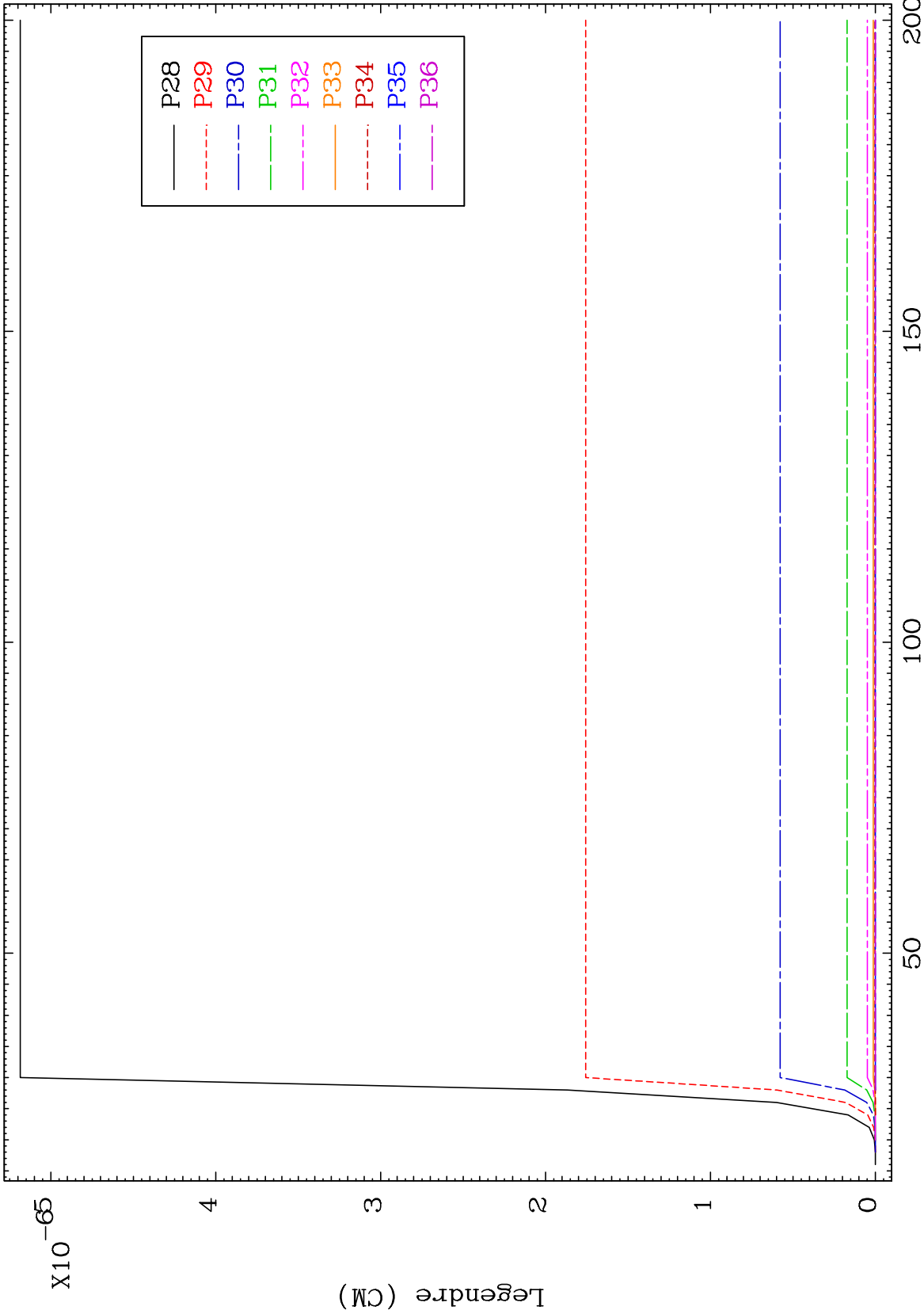
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



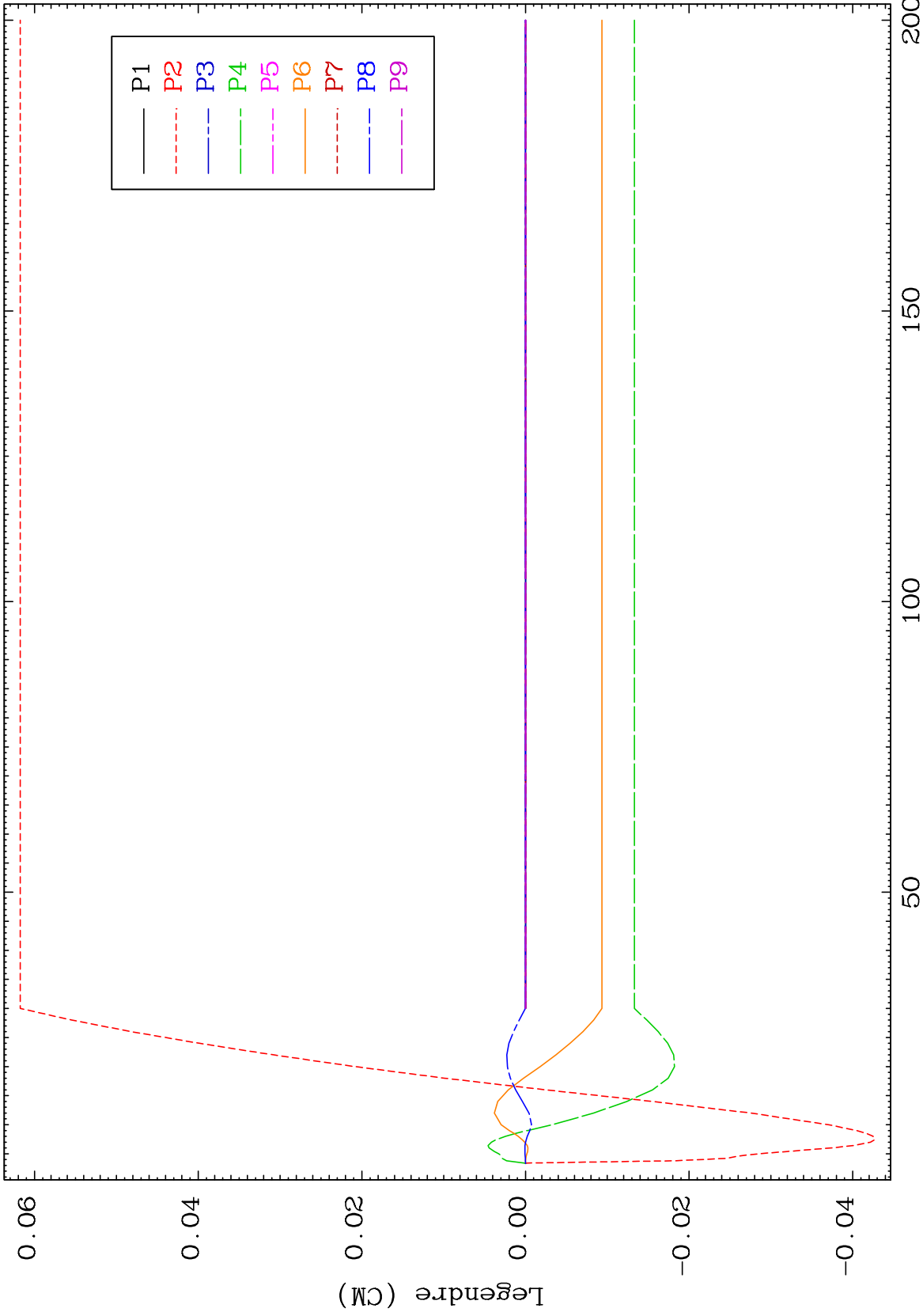
69

64-Gd-146

MAT 6407

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

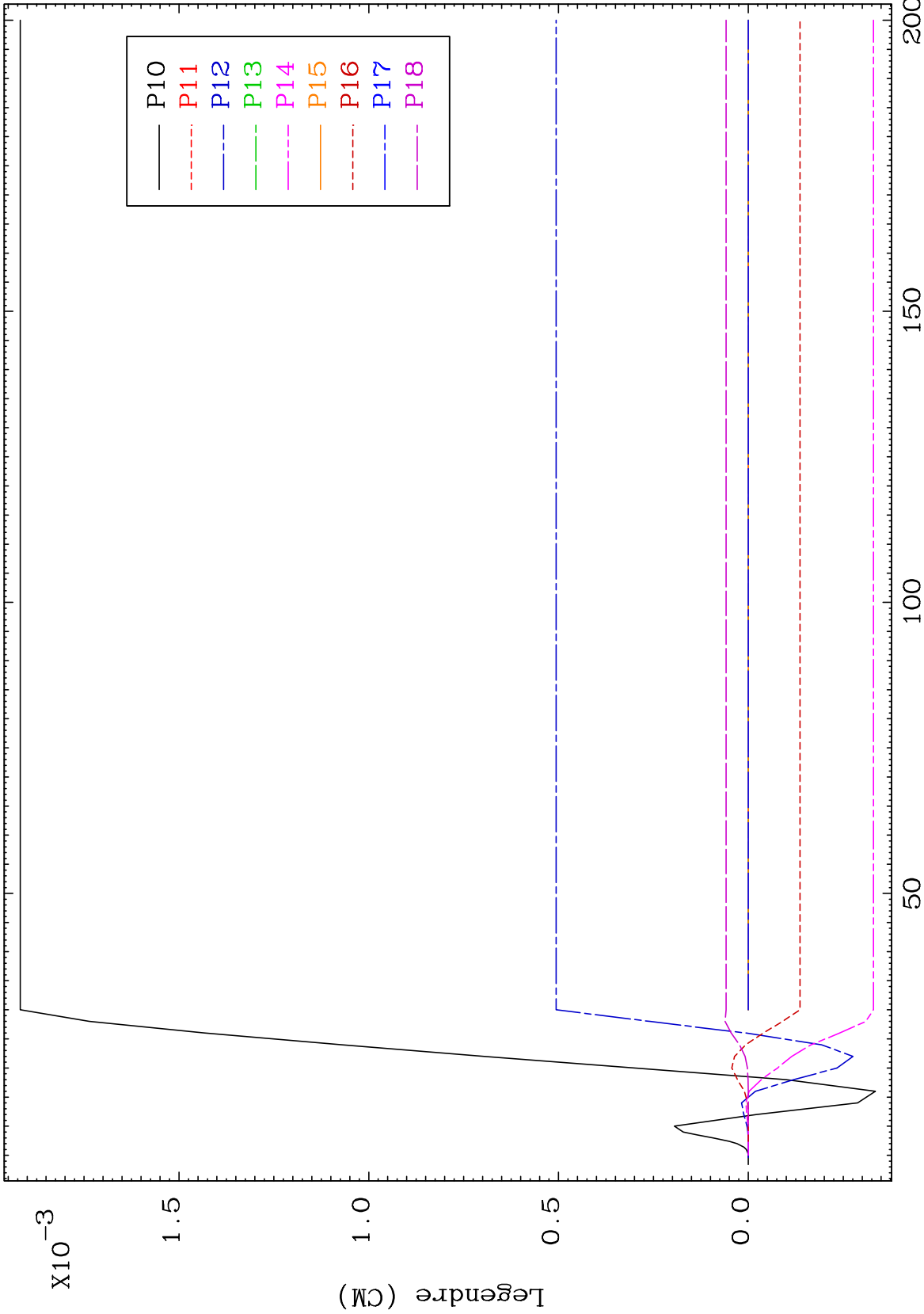
64-Gd-146



70

Incident Energy (MeV)

64-Gd-146

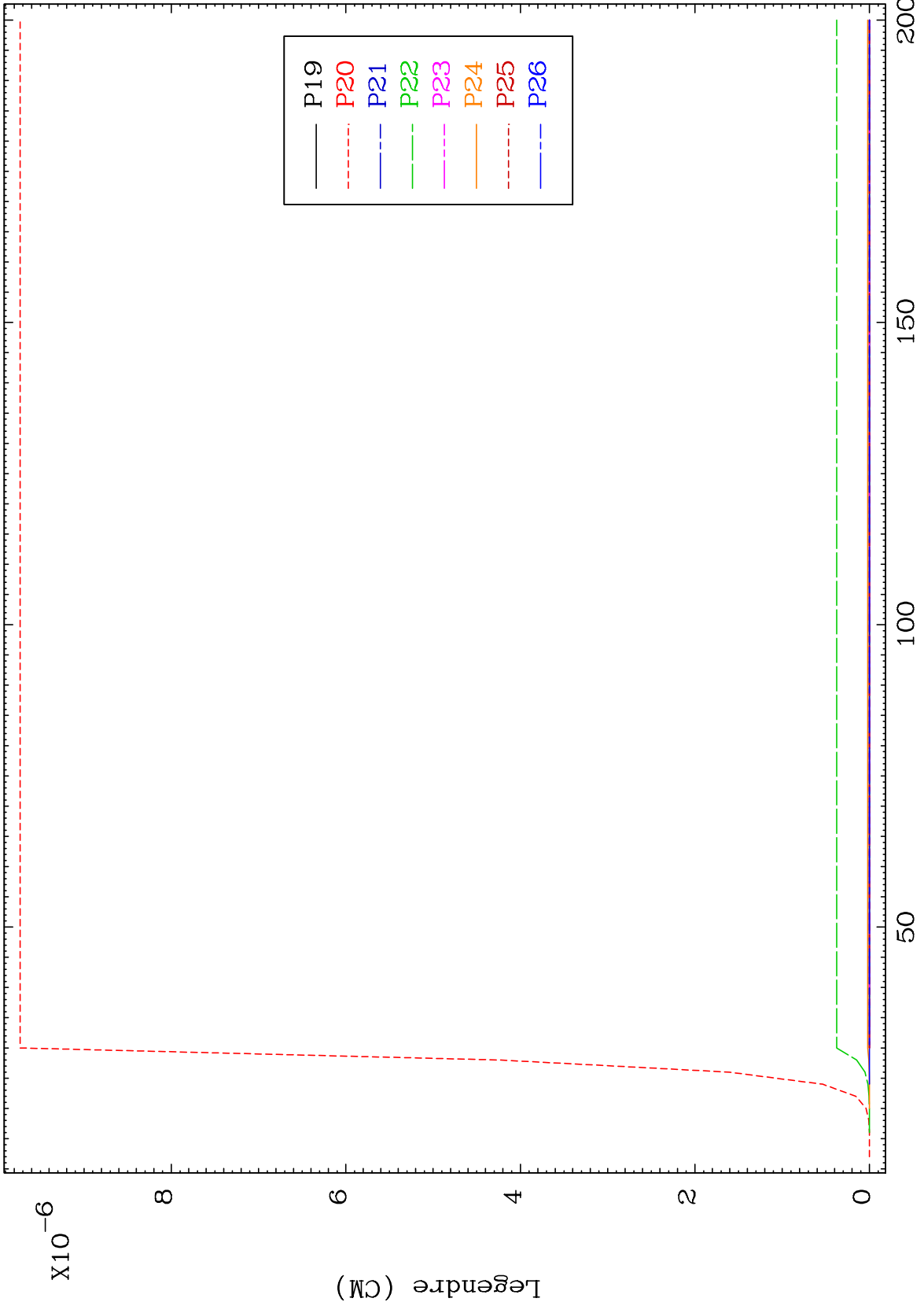




MAT 6407

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

64-Gd-146



64-Gd-146

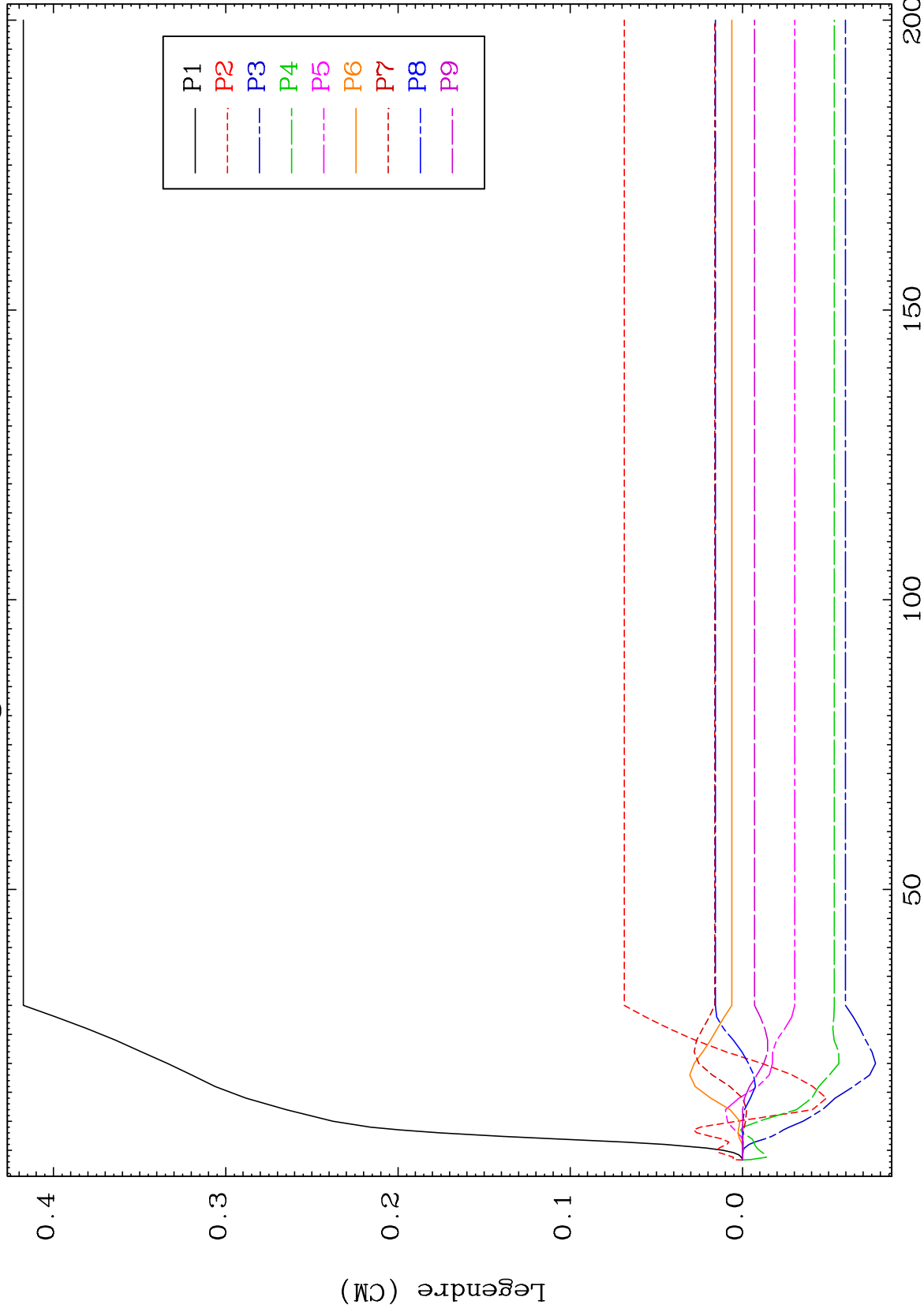
Incident Energy (MeV)

72

MAT 6407

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

64-Gd-146



73

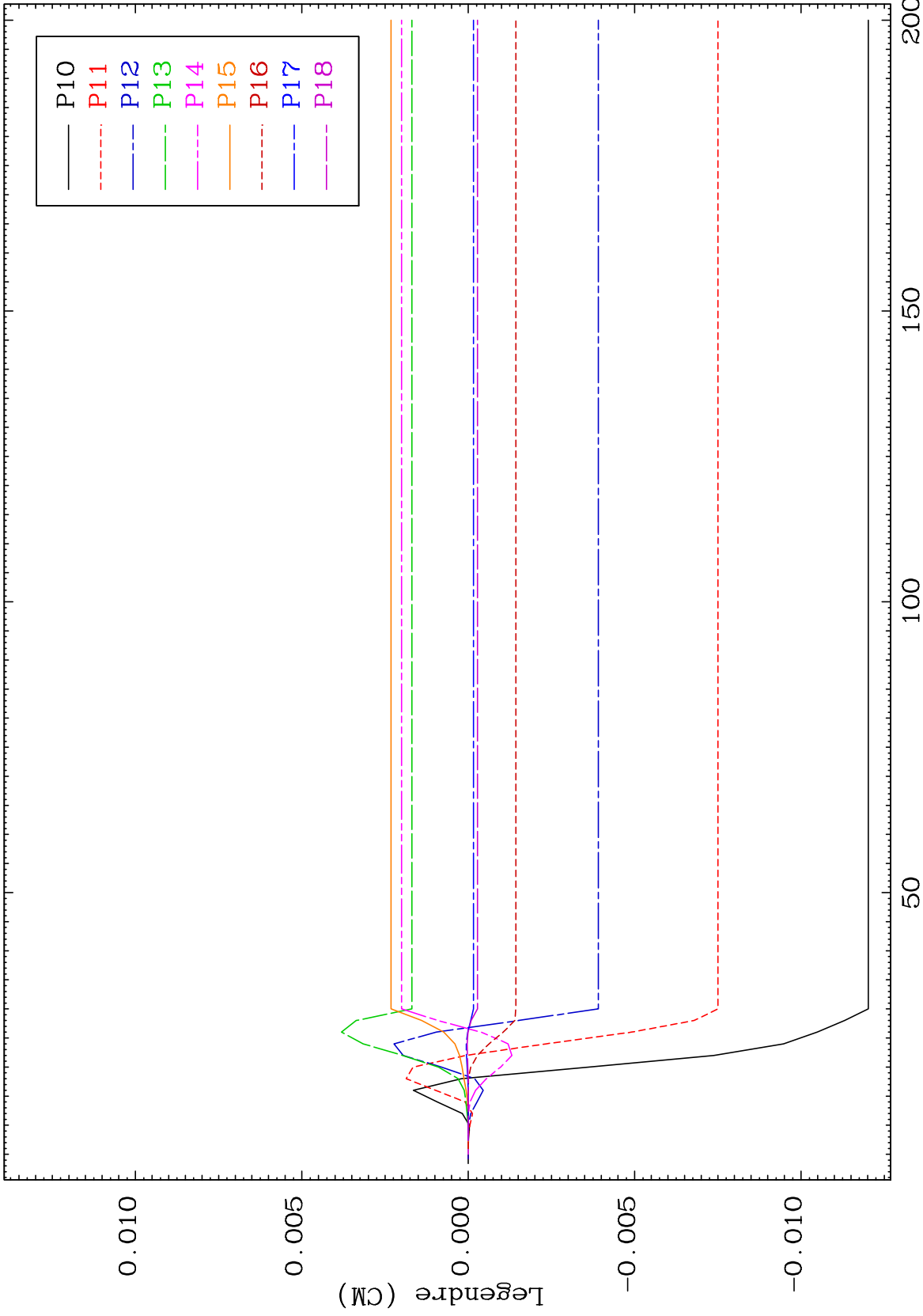
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



74

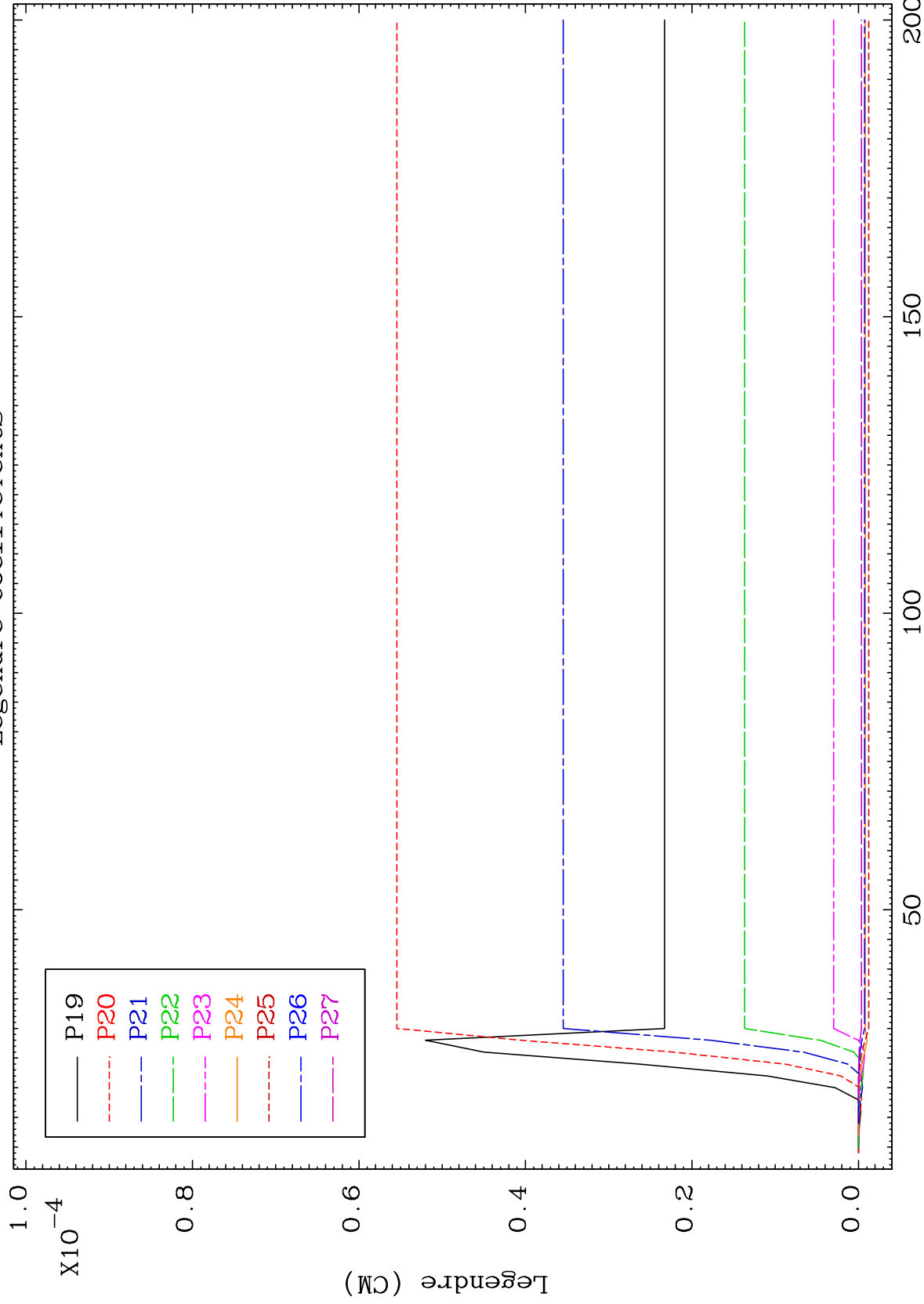
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



75

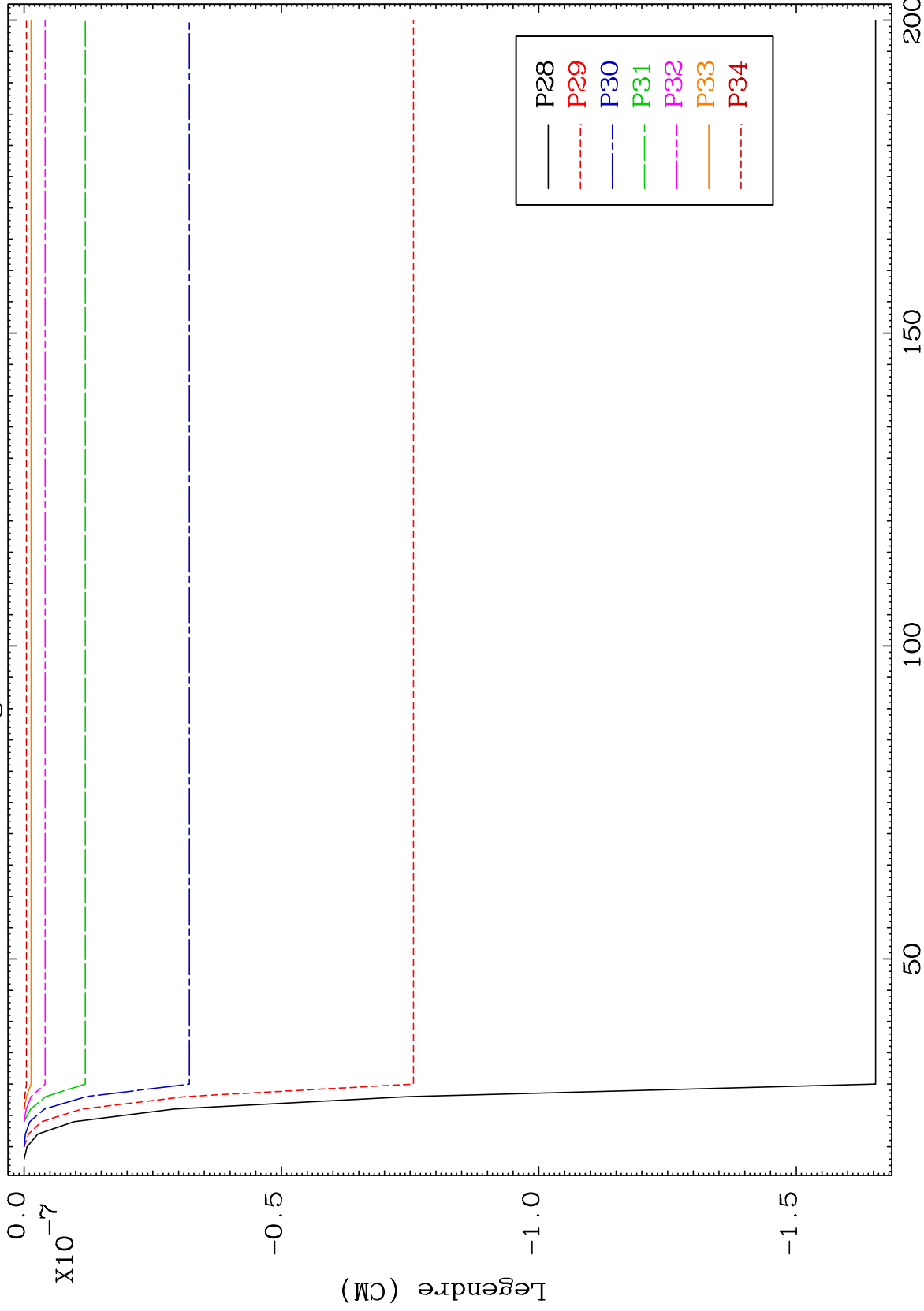
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

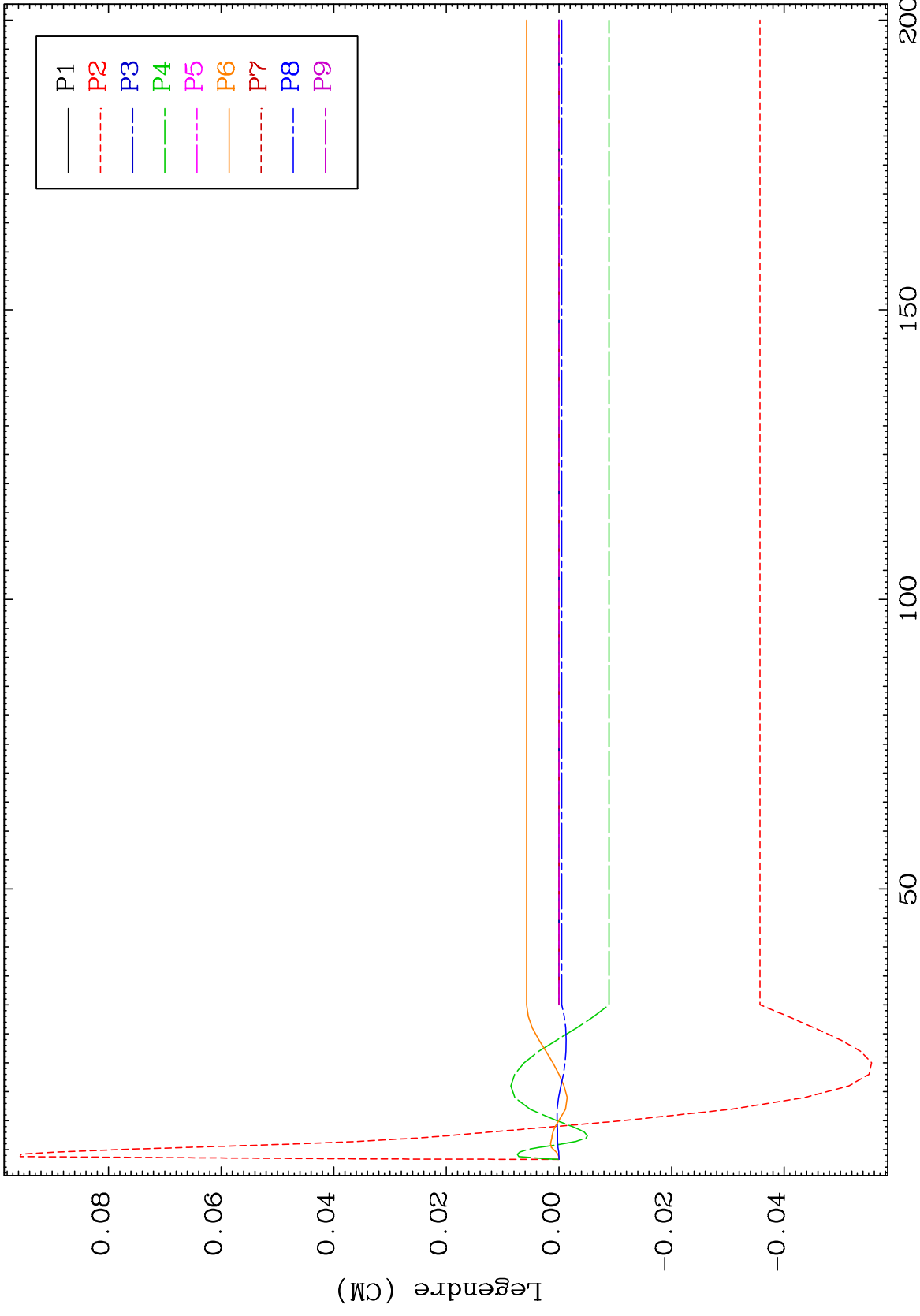
Incident Energy (MeV)

76

MAT 6407

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

64-Gd-146



77

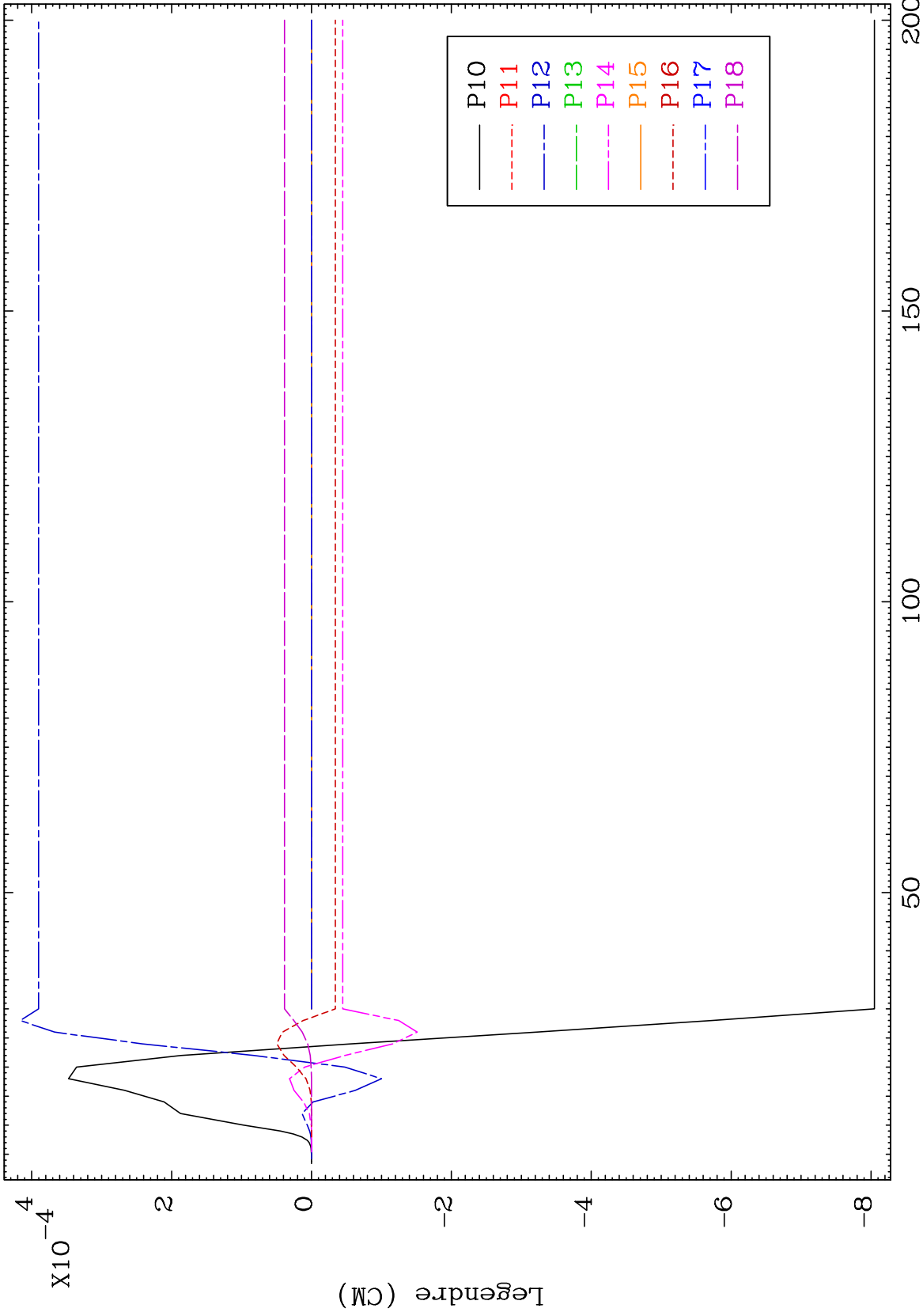
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



78

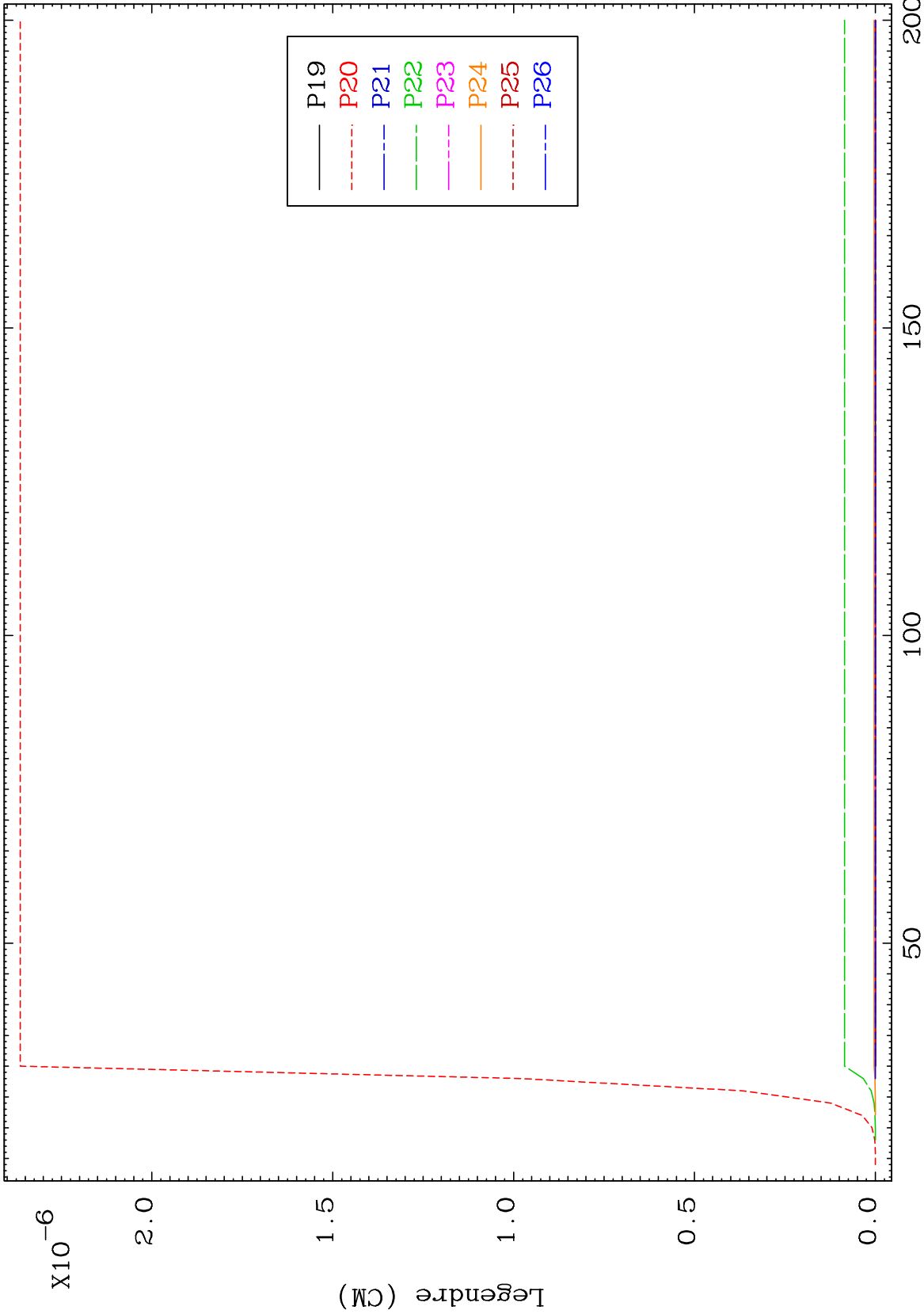
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



79

Incident Energy (MeV)

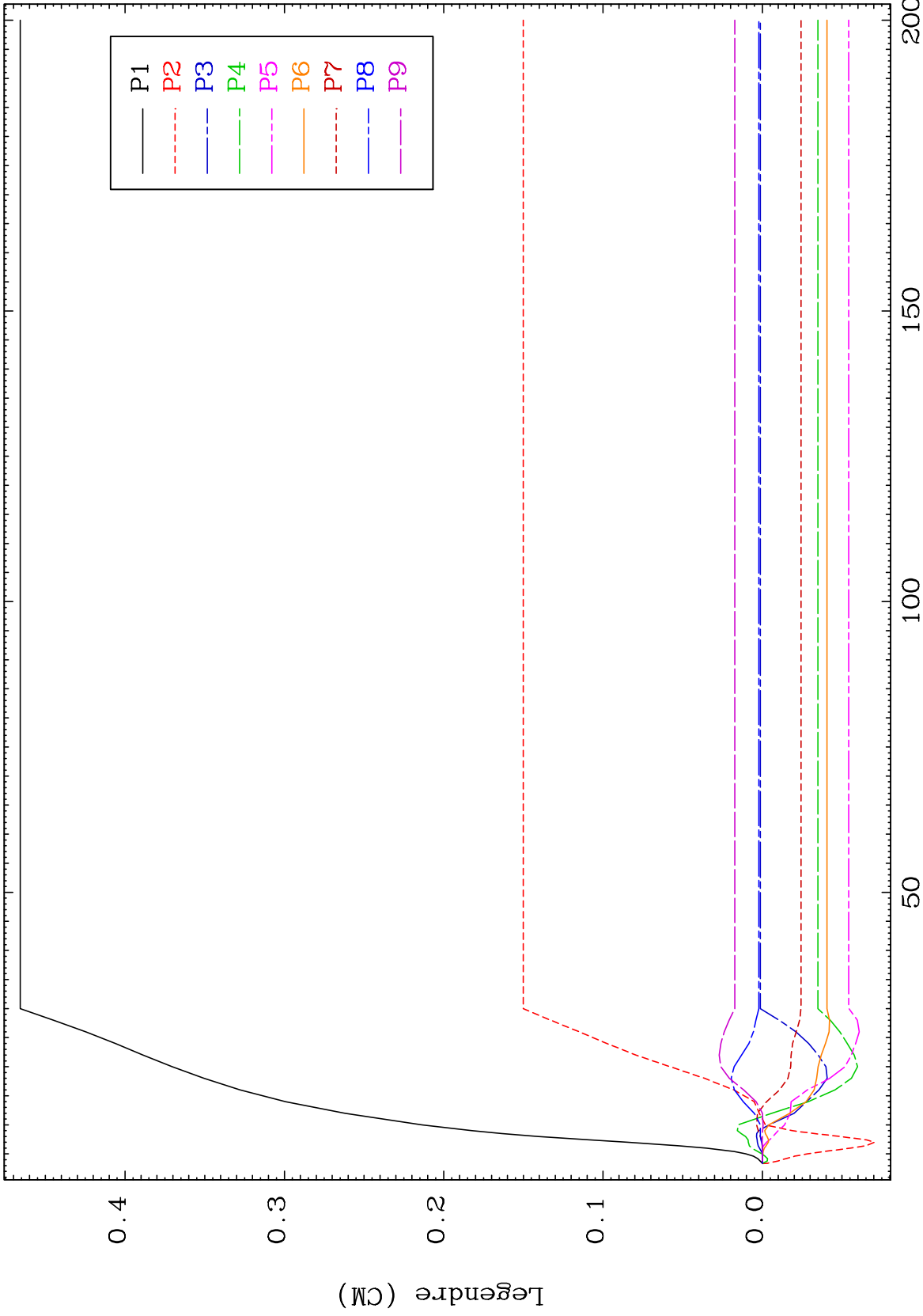
64-Gd-146



MAT 6407

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

64-Gd-146



80

Incident Energy (MeV)

64-Gd-146

200

150

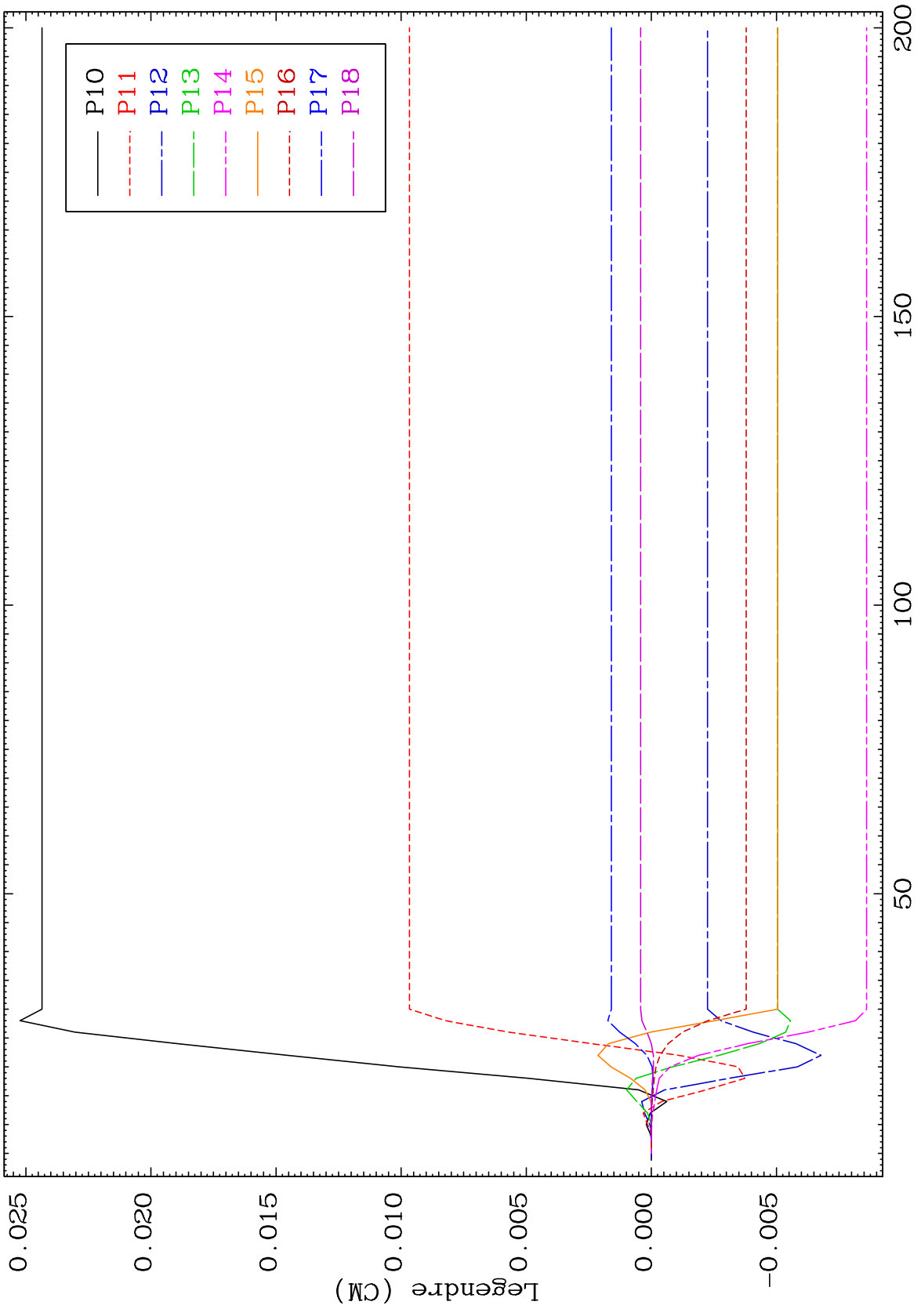
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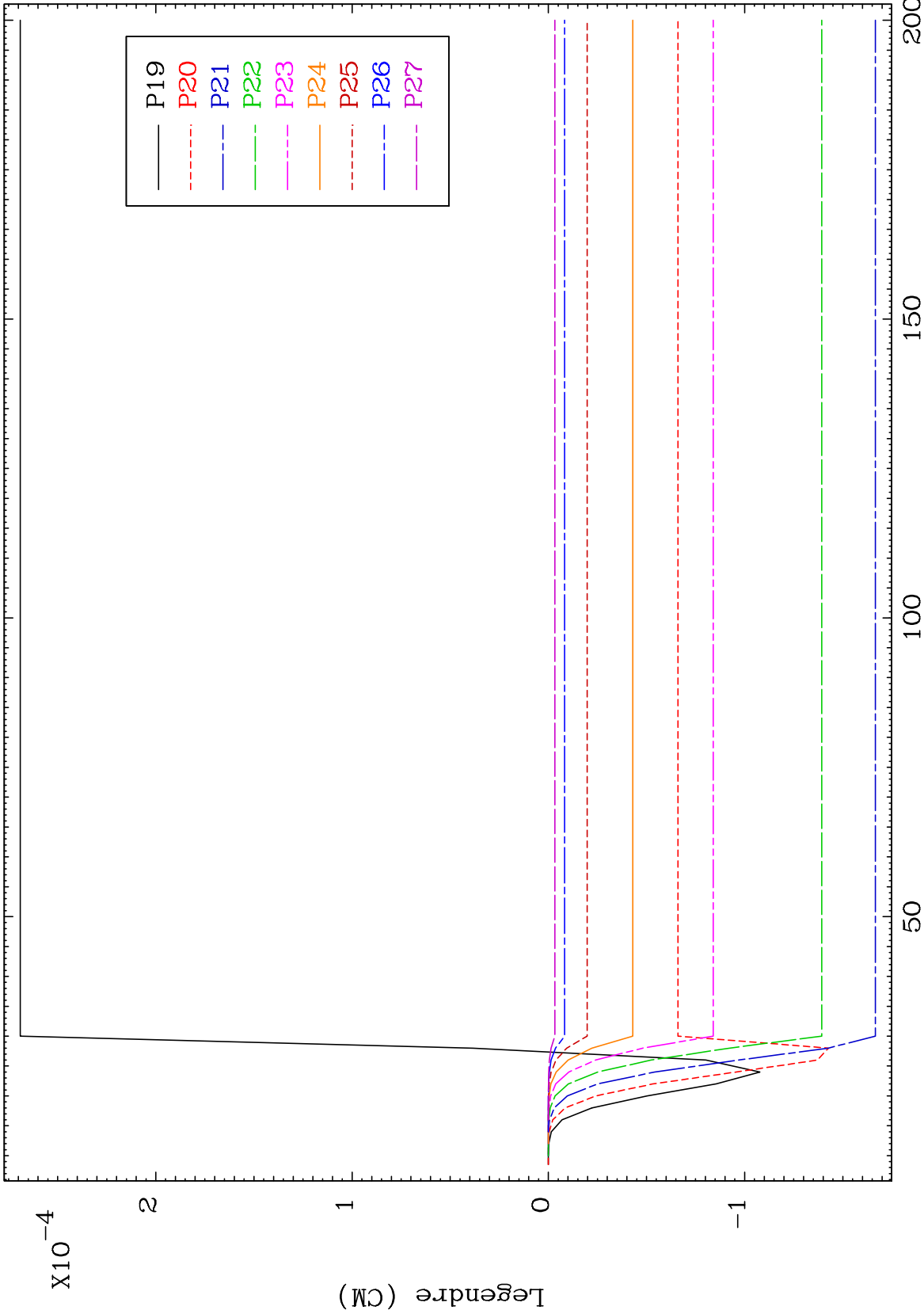
50

MAT 6407

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

64-Gd-146

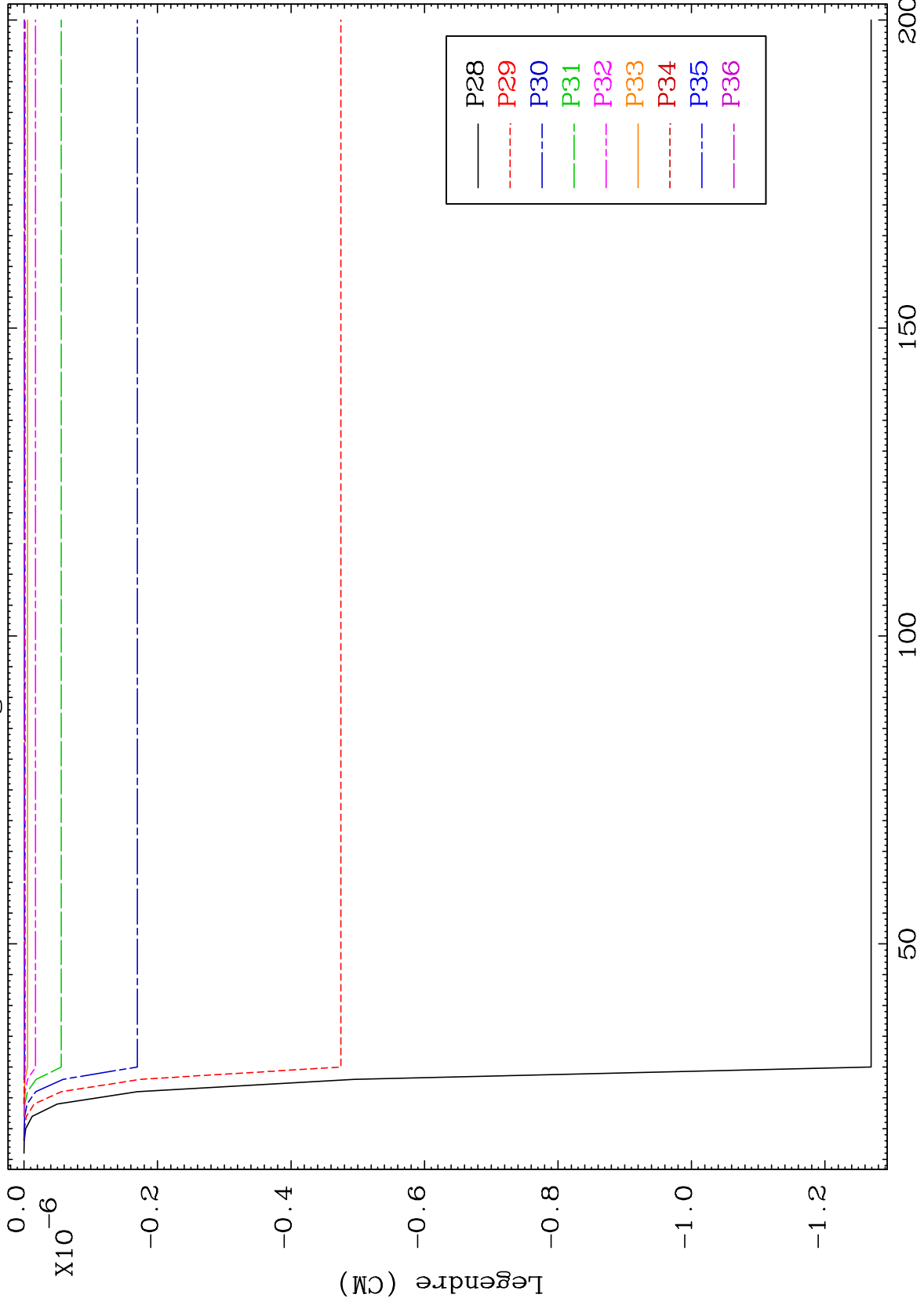




MAT 6407

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

64-Gd-146



83

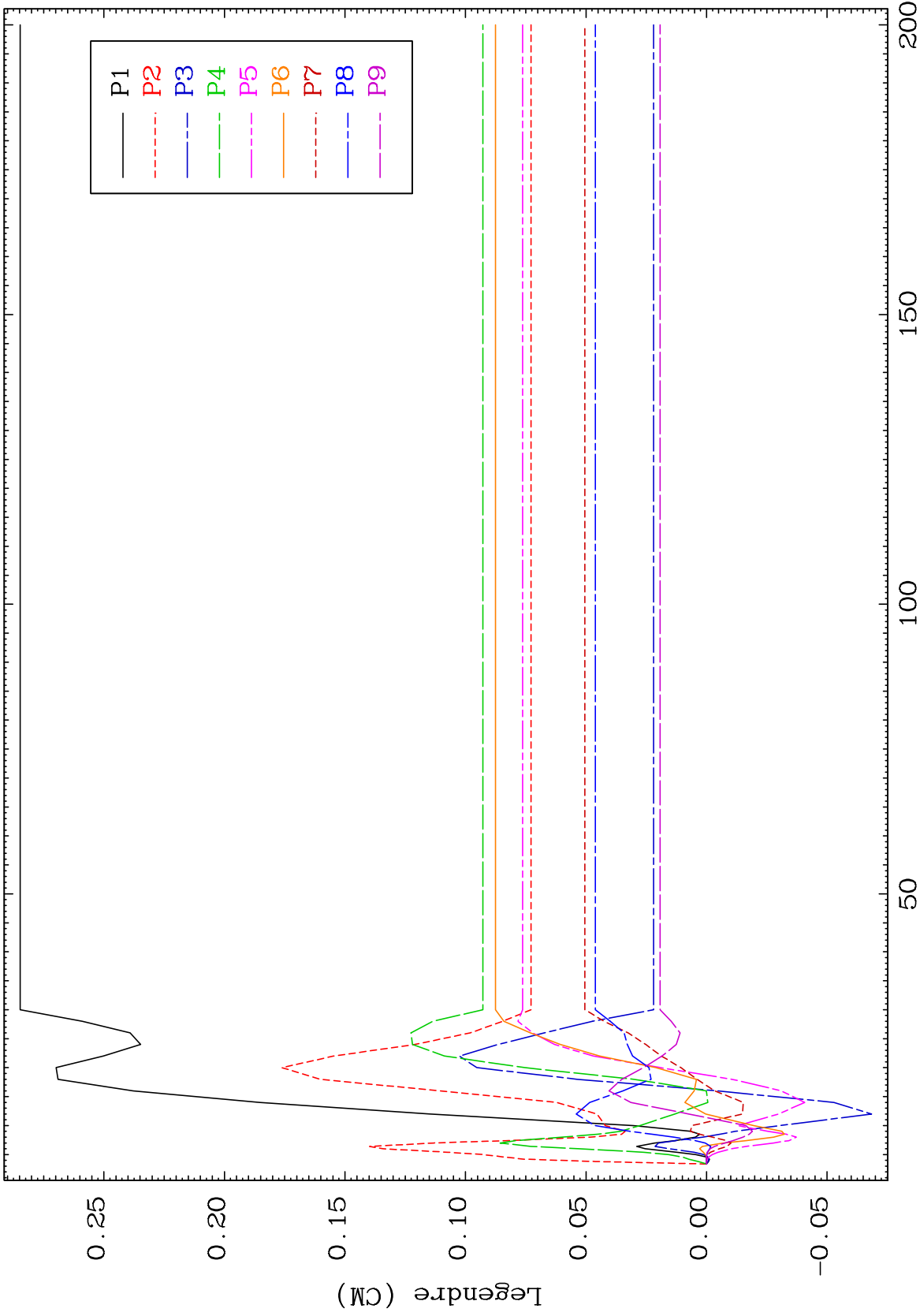
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



84

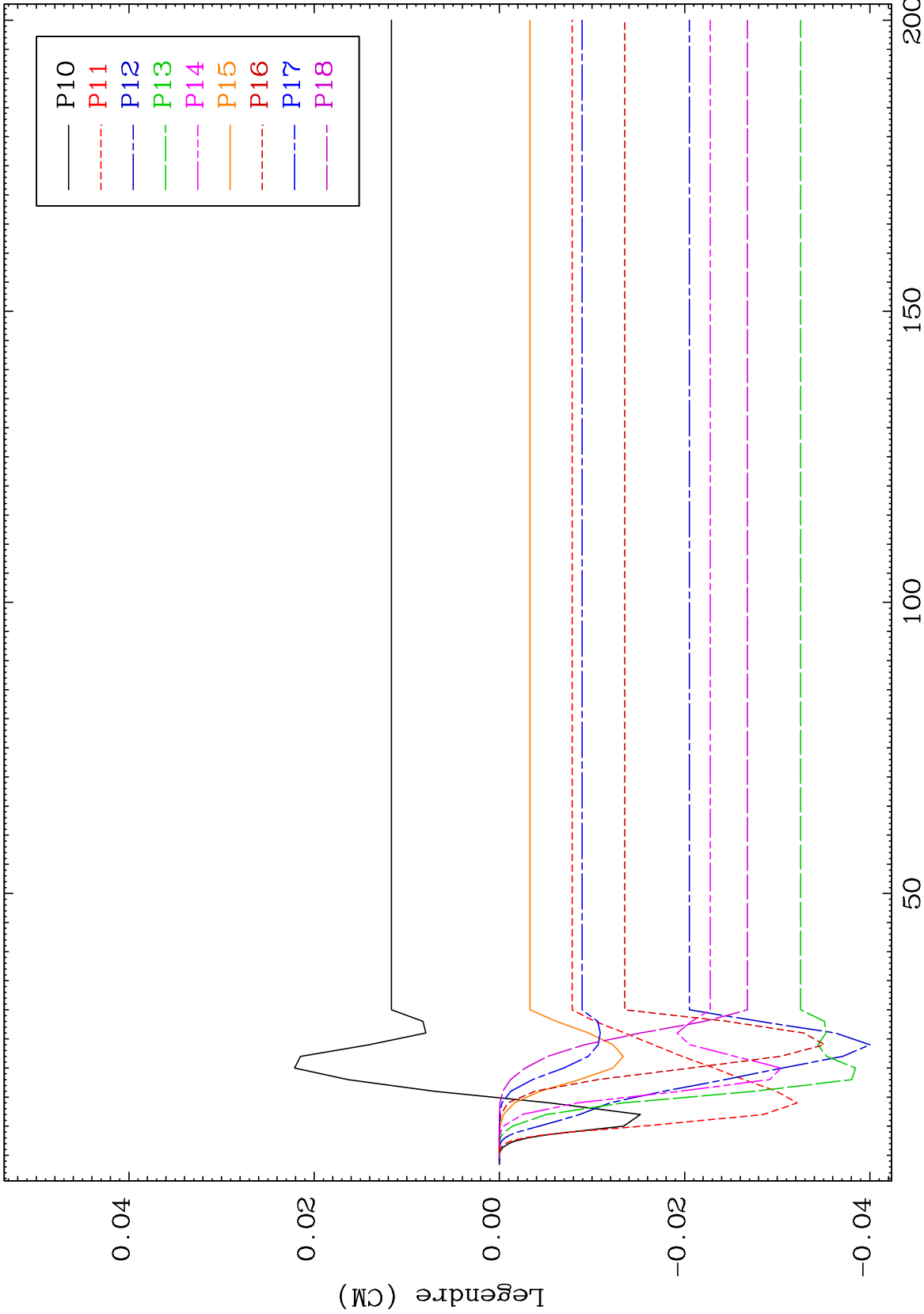
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

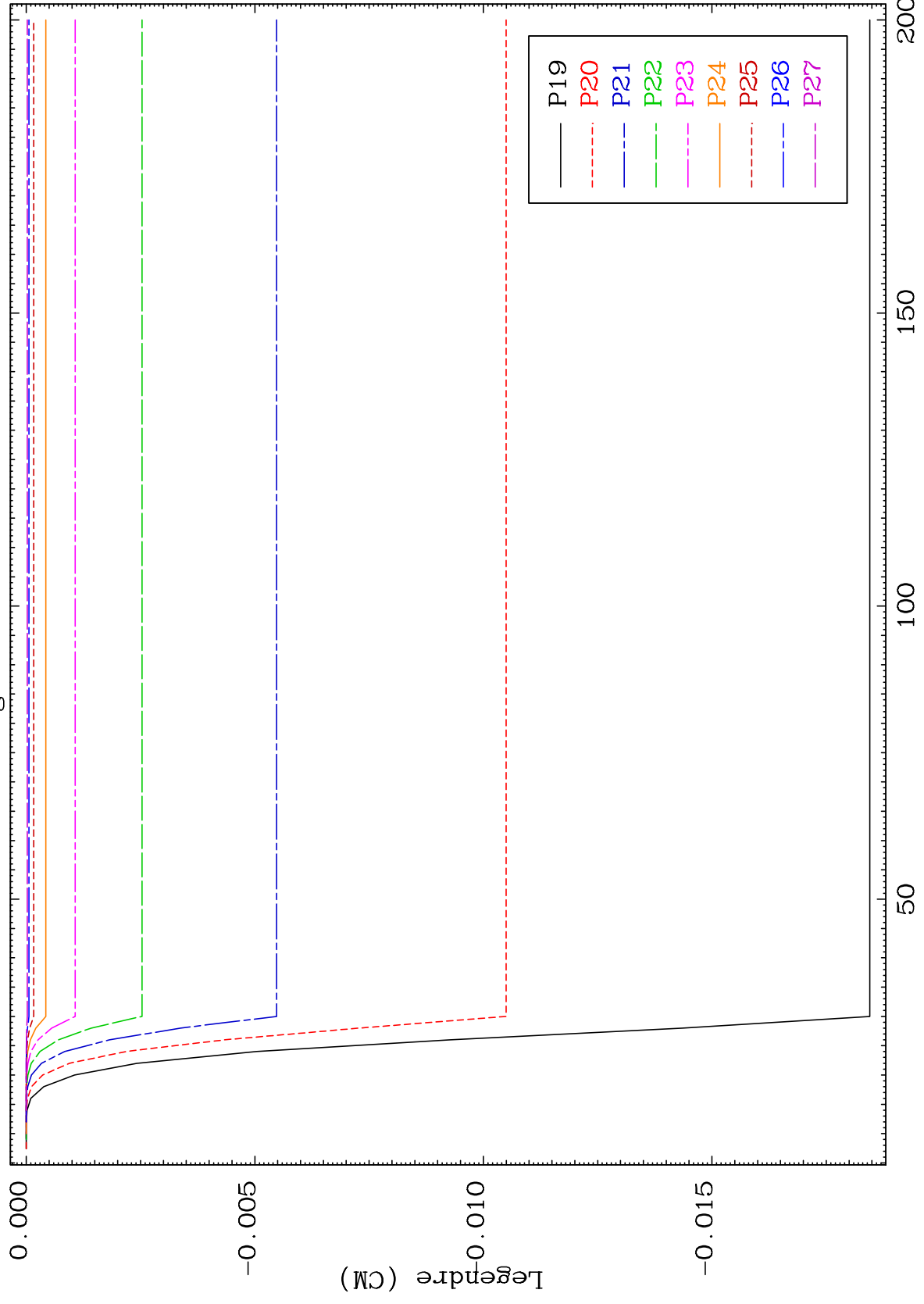
64-Gd-146



85

Incident Energy (MeV)

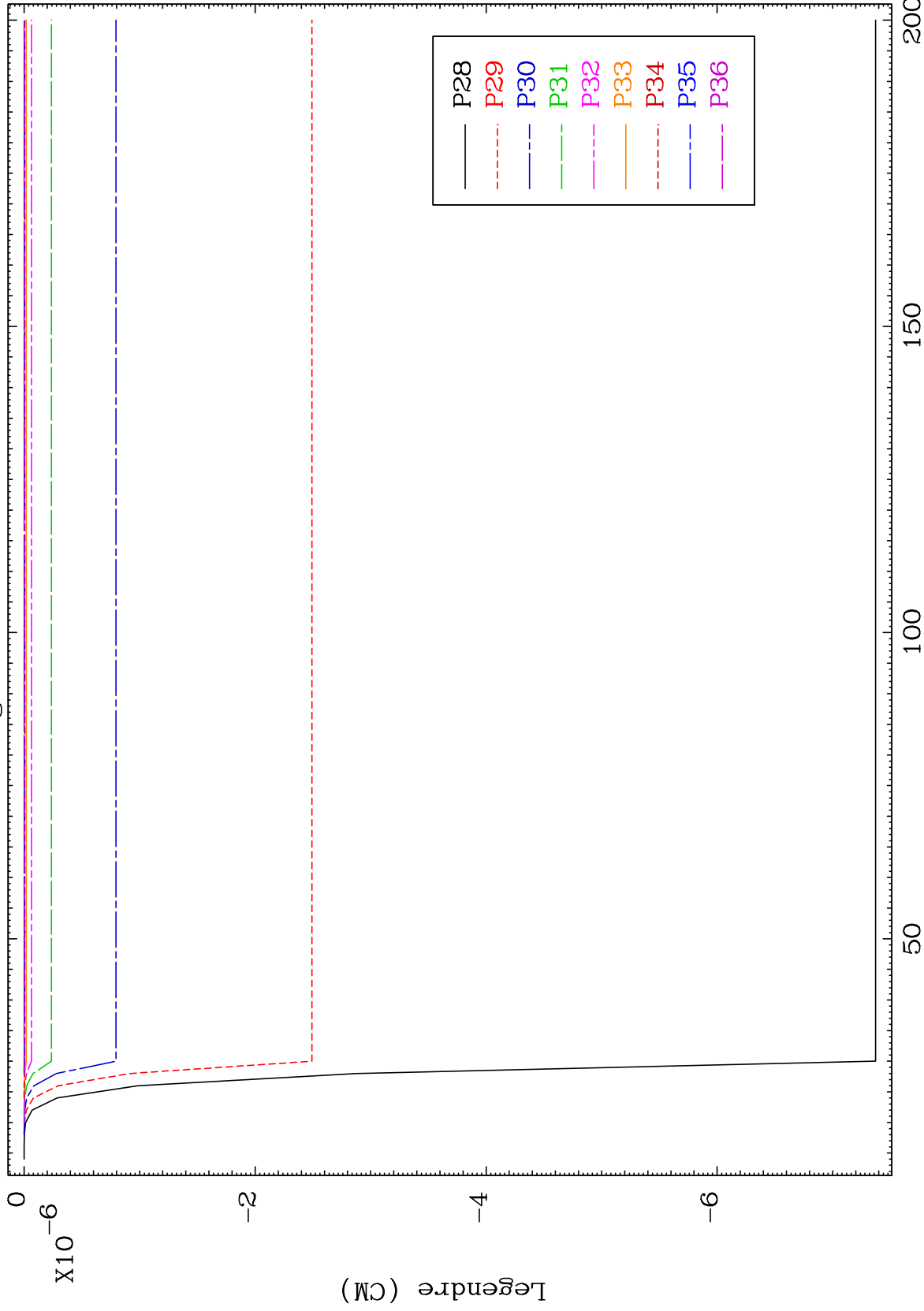
64-Gd-146



MAT 6407

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

64-Gd-146



87

Incident Energy (MeV)

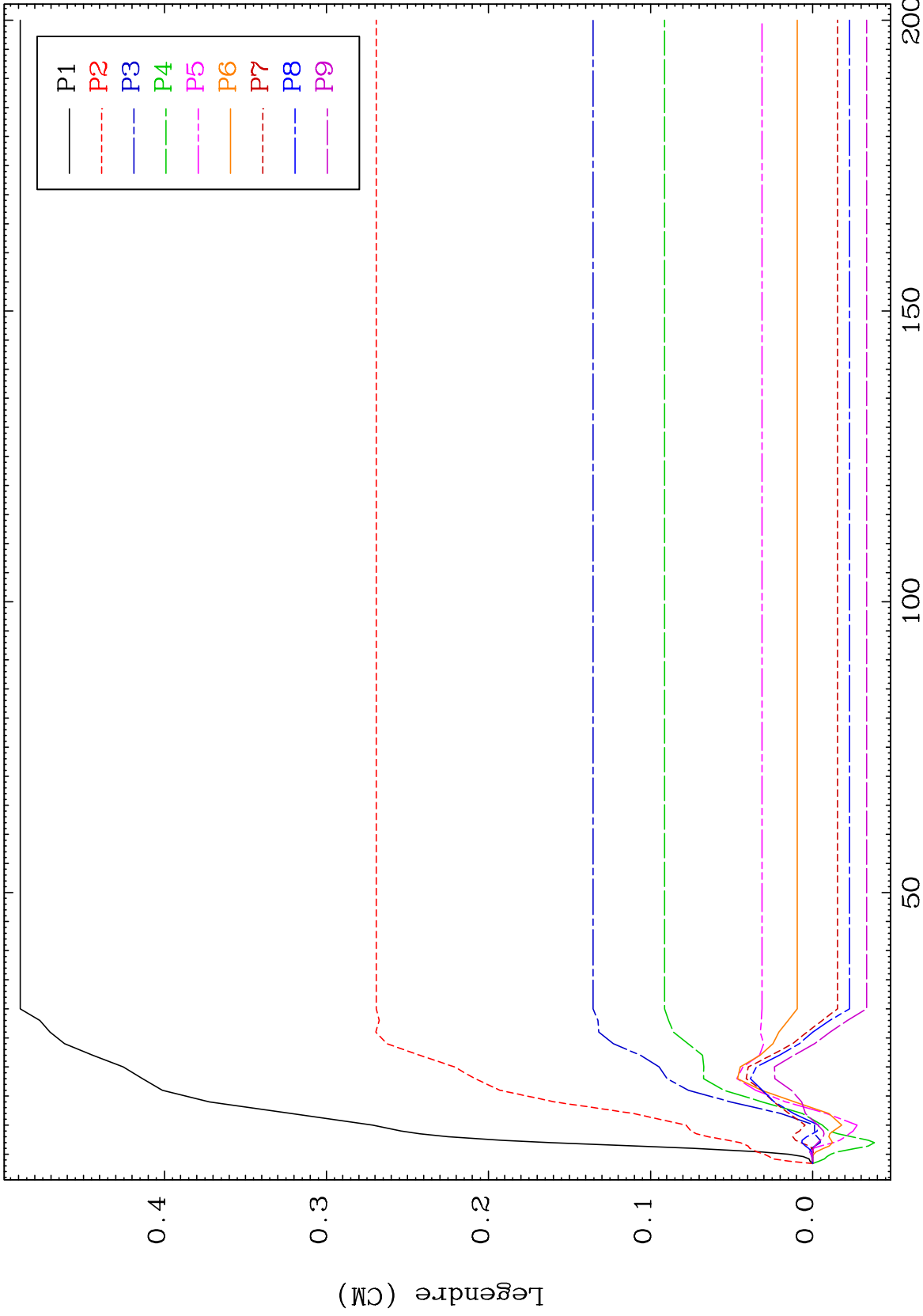
64-Gd-146



MAT 6407

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

64-Gd-146



88

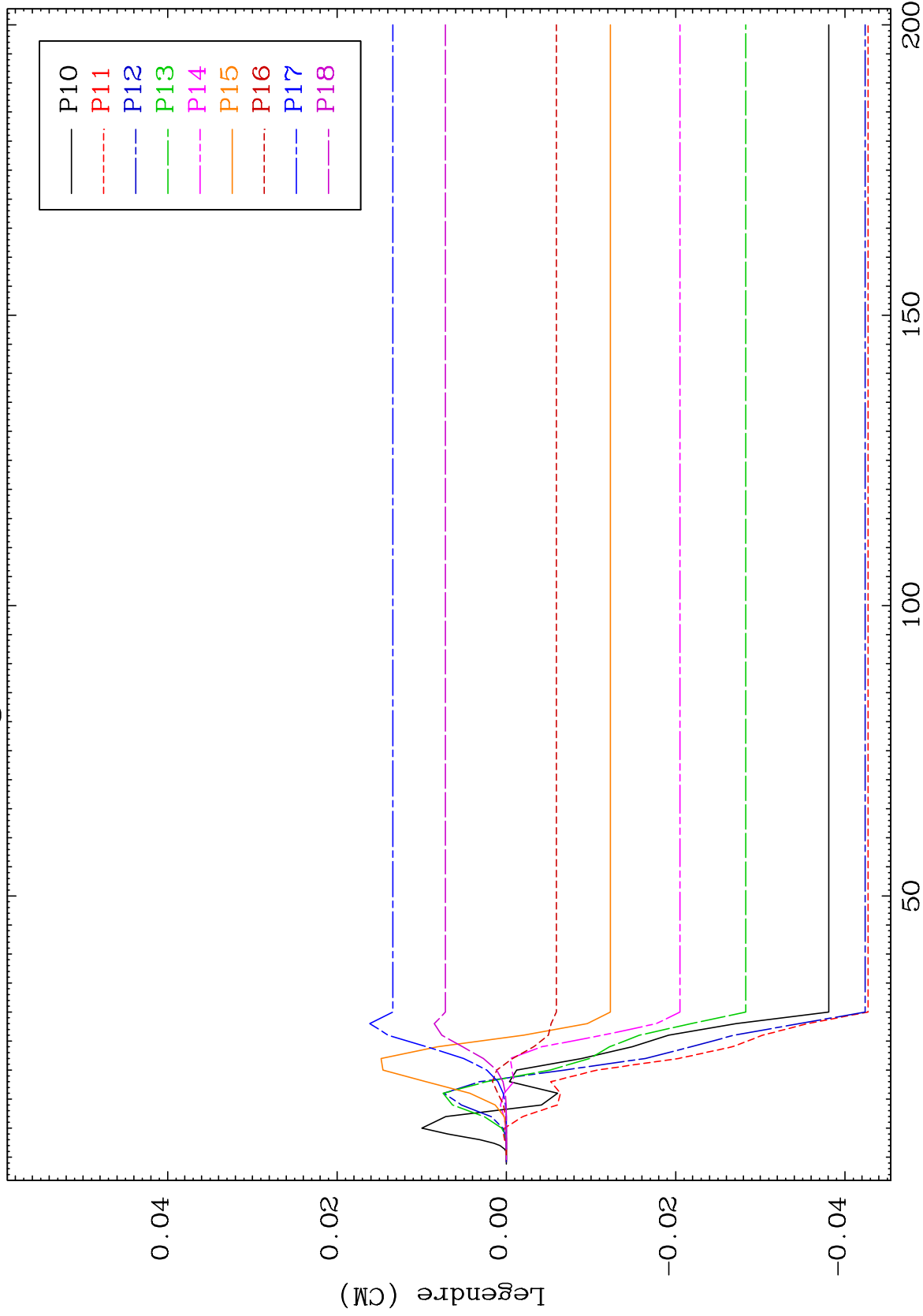
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



89

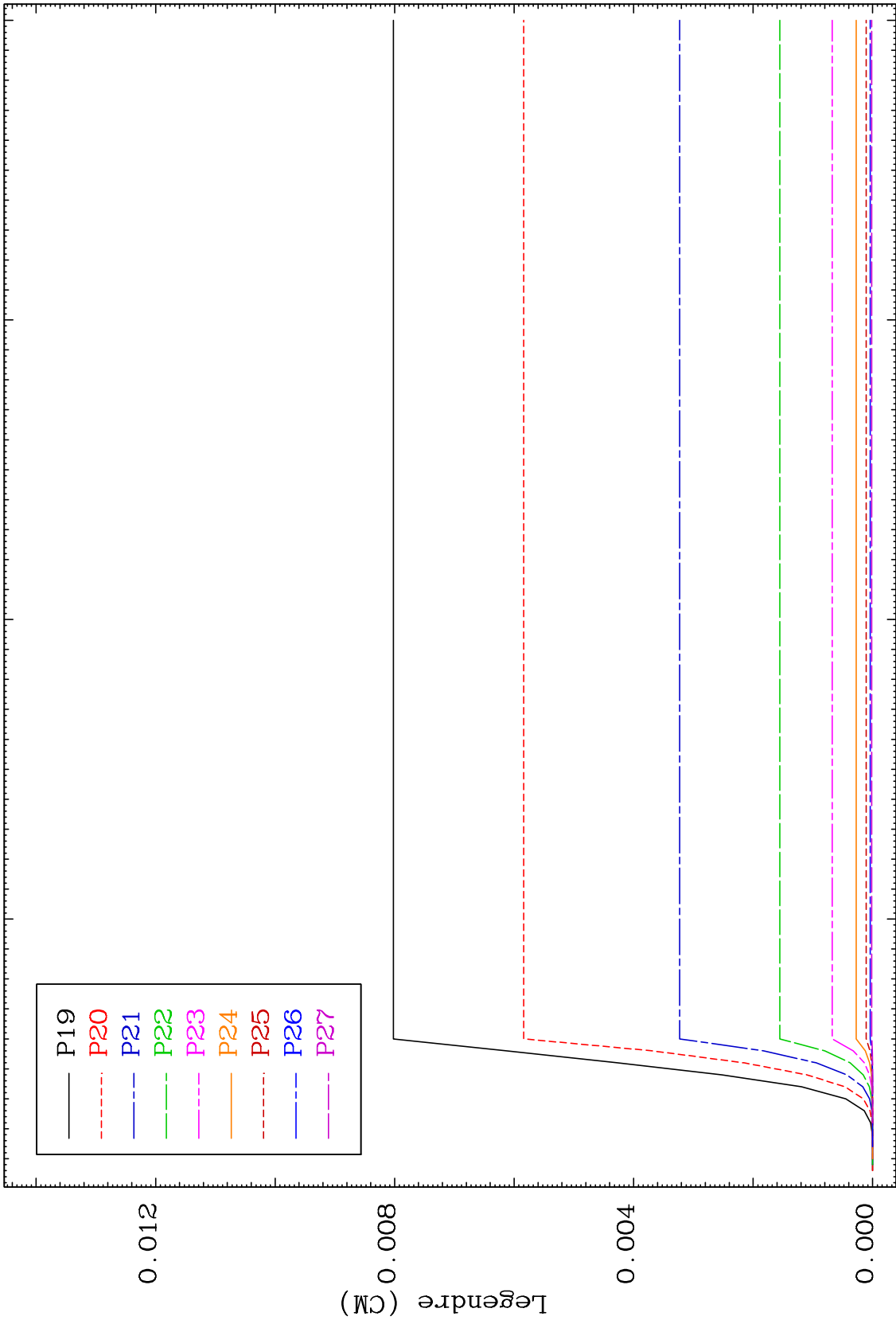
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



90

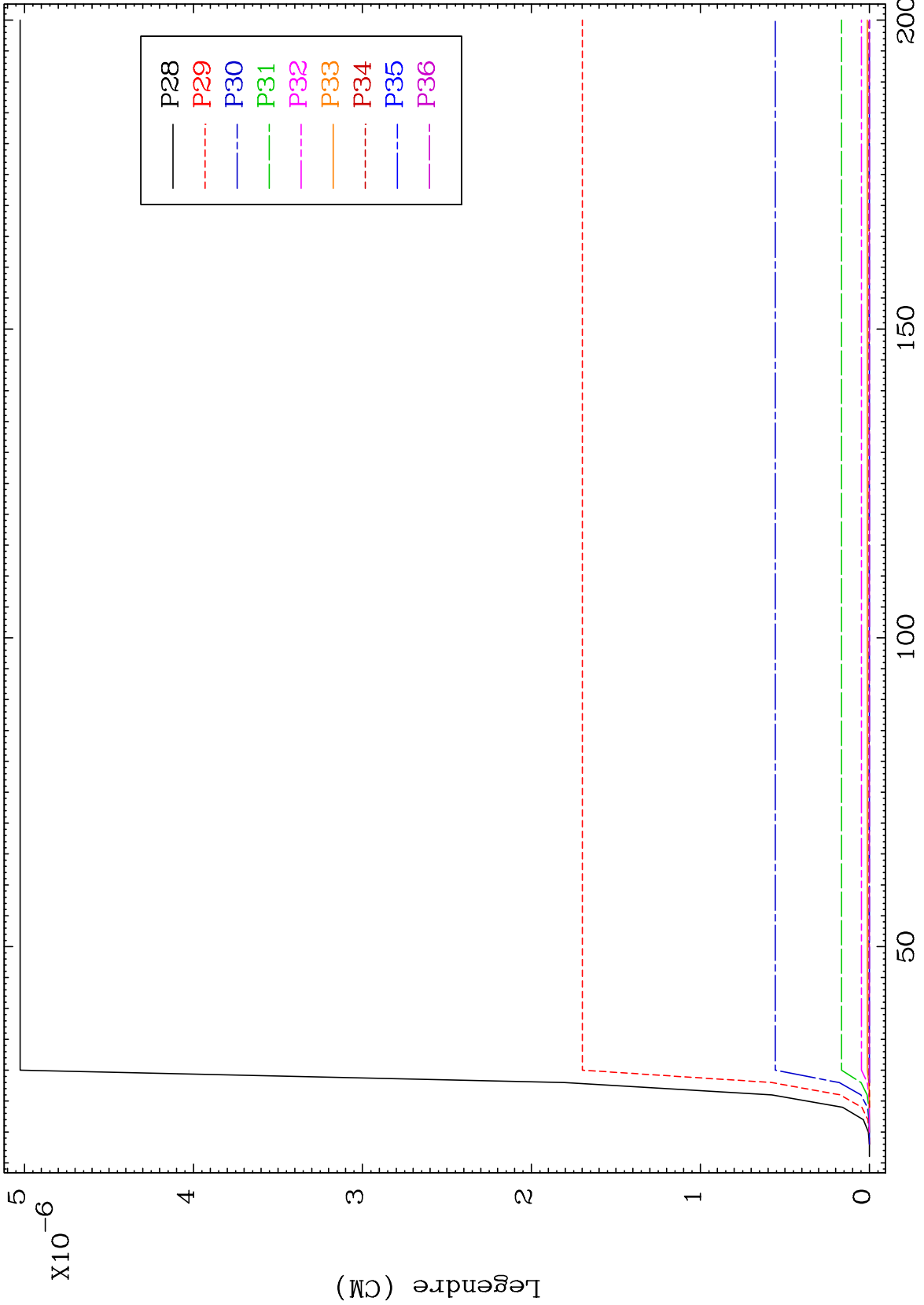
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



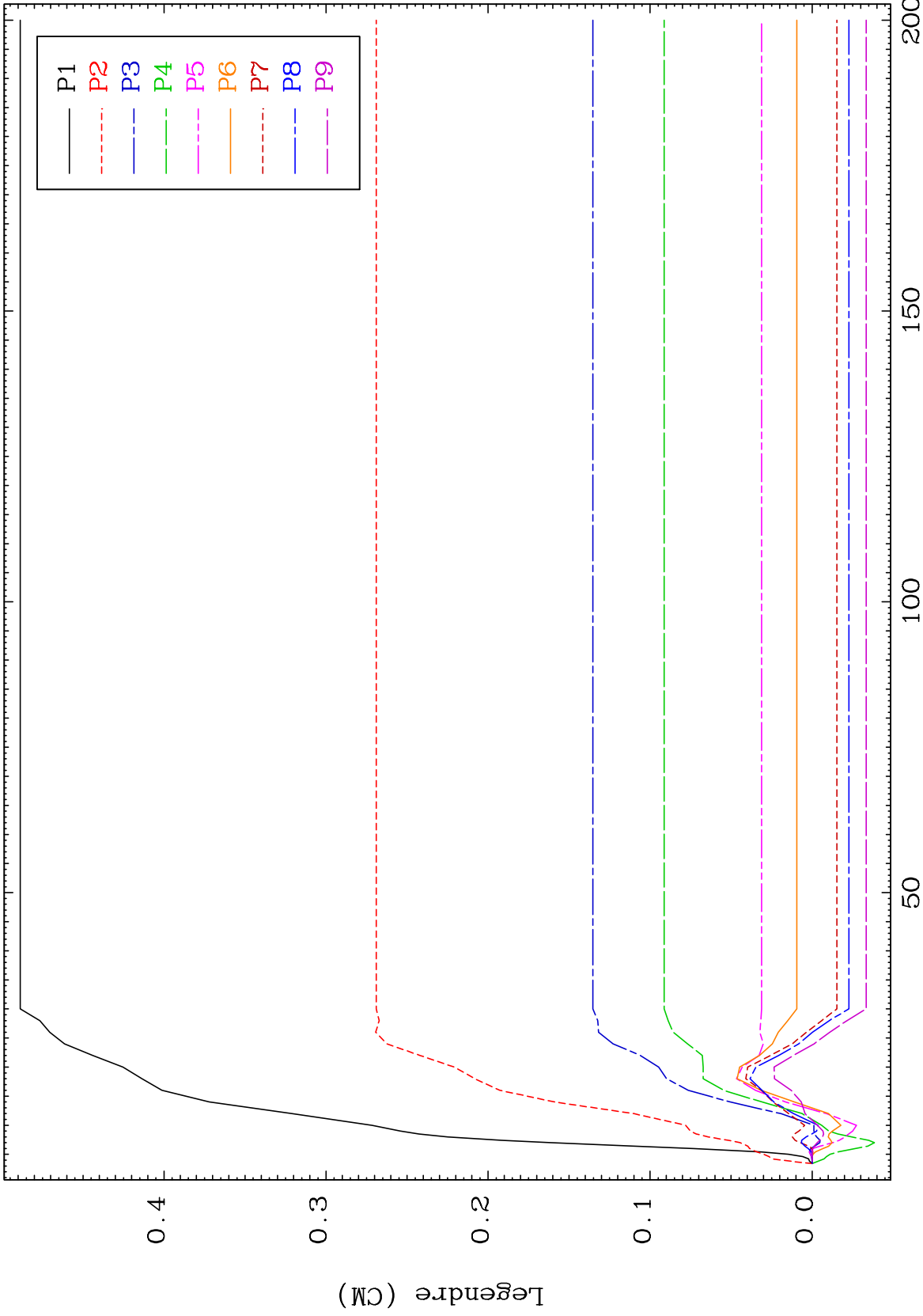
91

64-Gd-146

MAT 6407

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

64-Gd-146



92

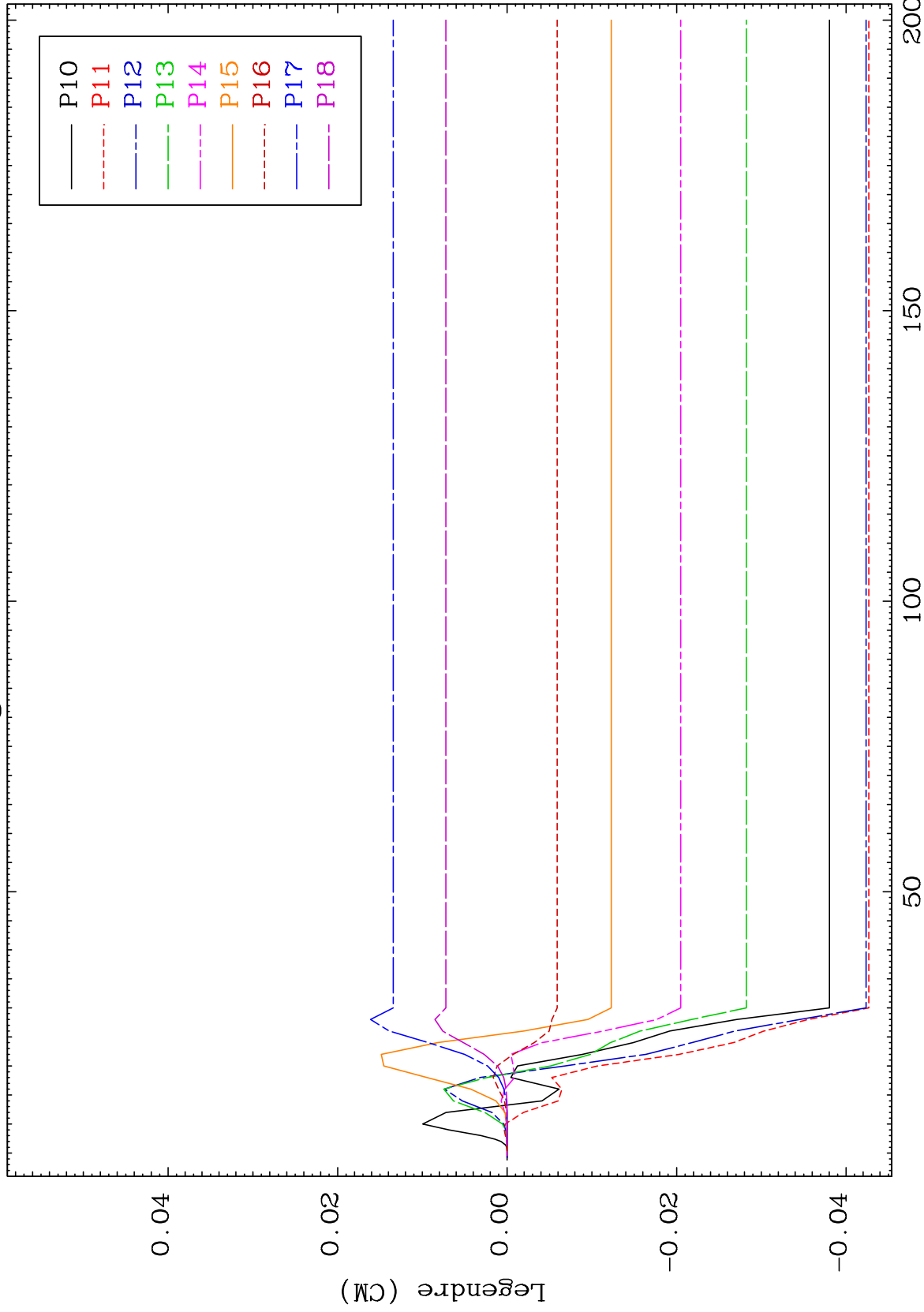
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



93

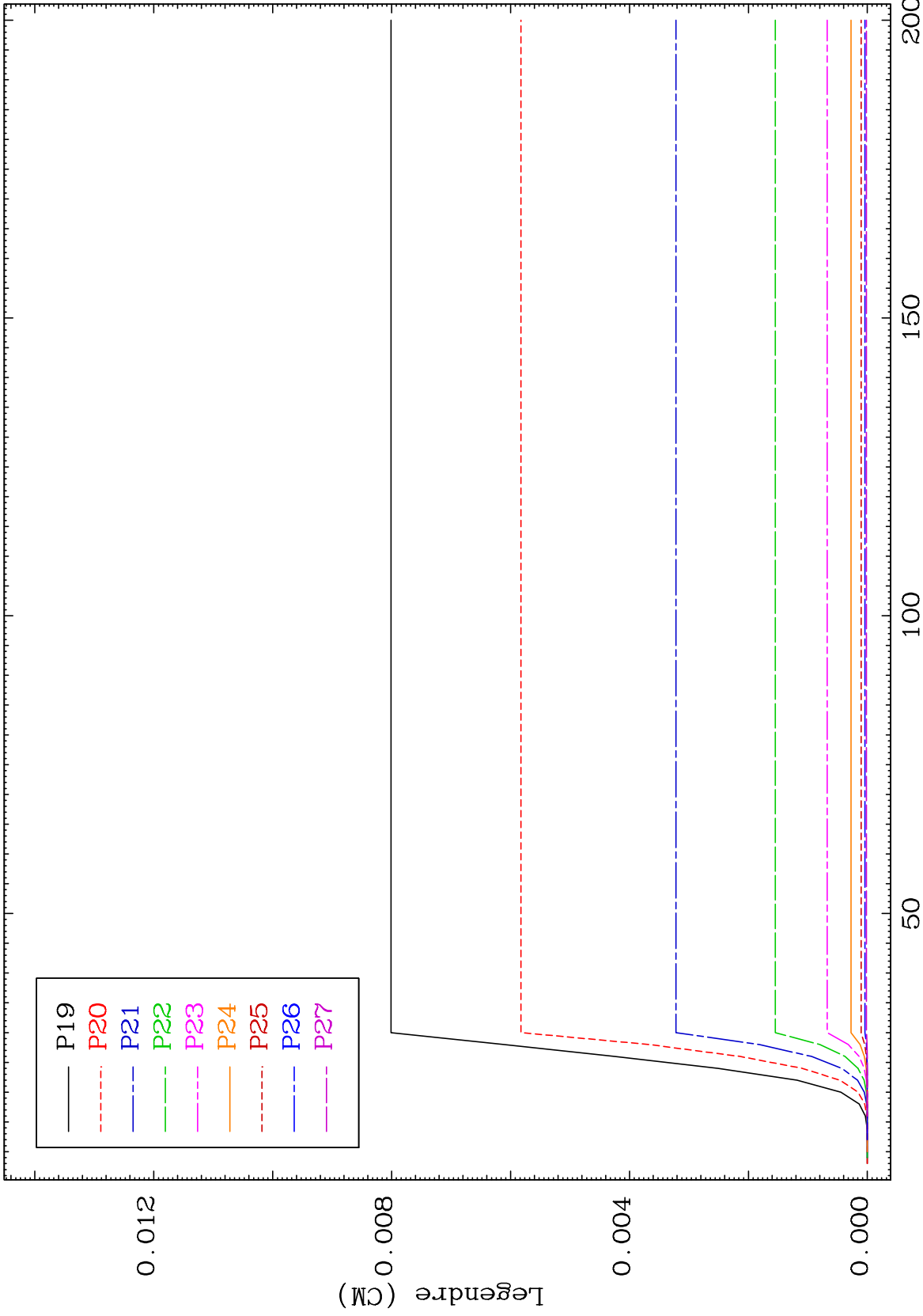
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



94

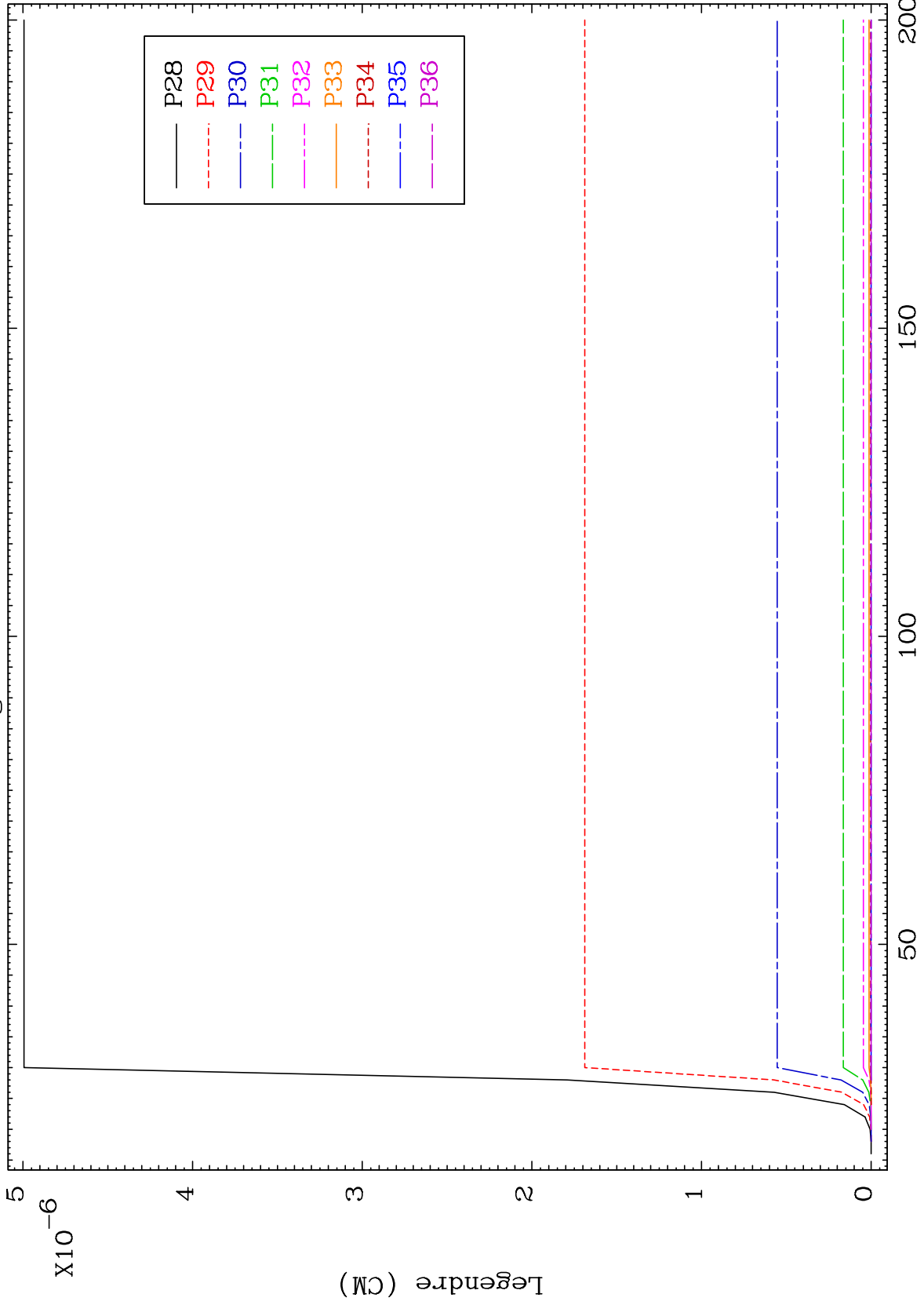
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



95

Incident Energy (MeV)

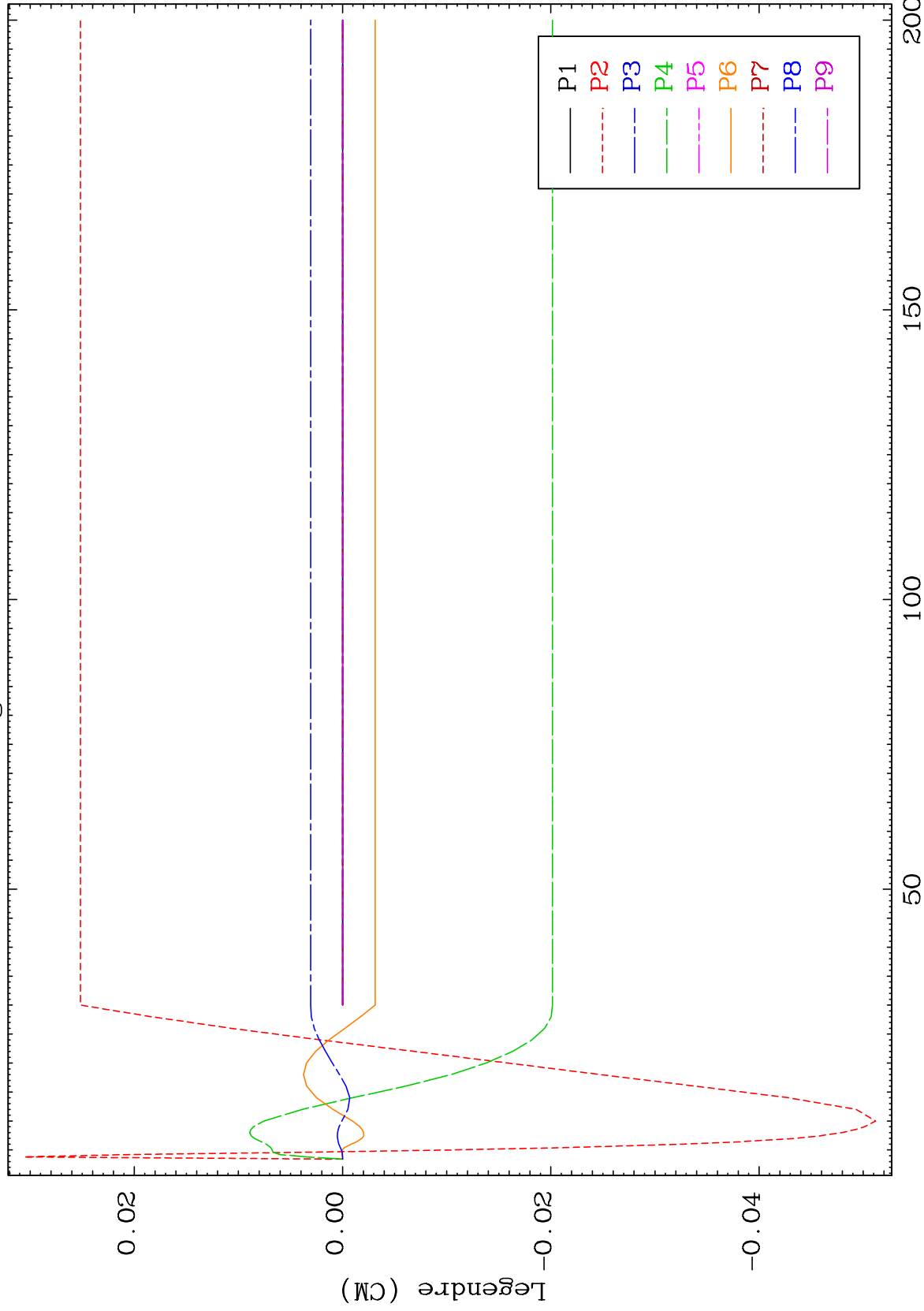
64-Gd-146



MAT 6407

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

64-Gd-146



96

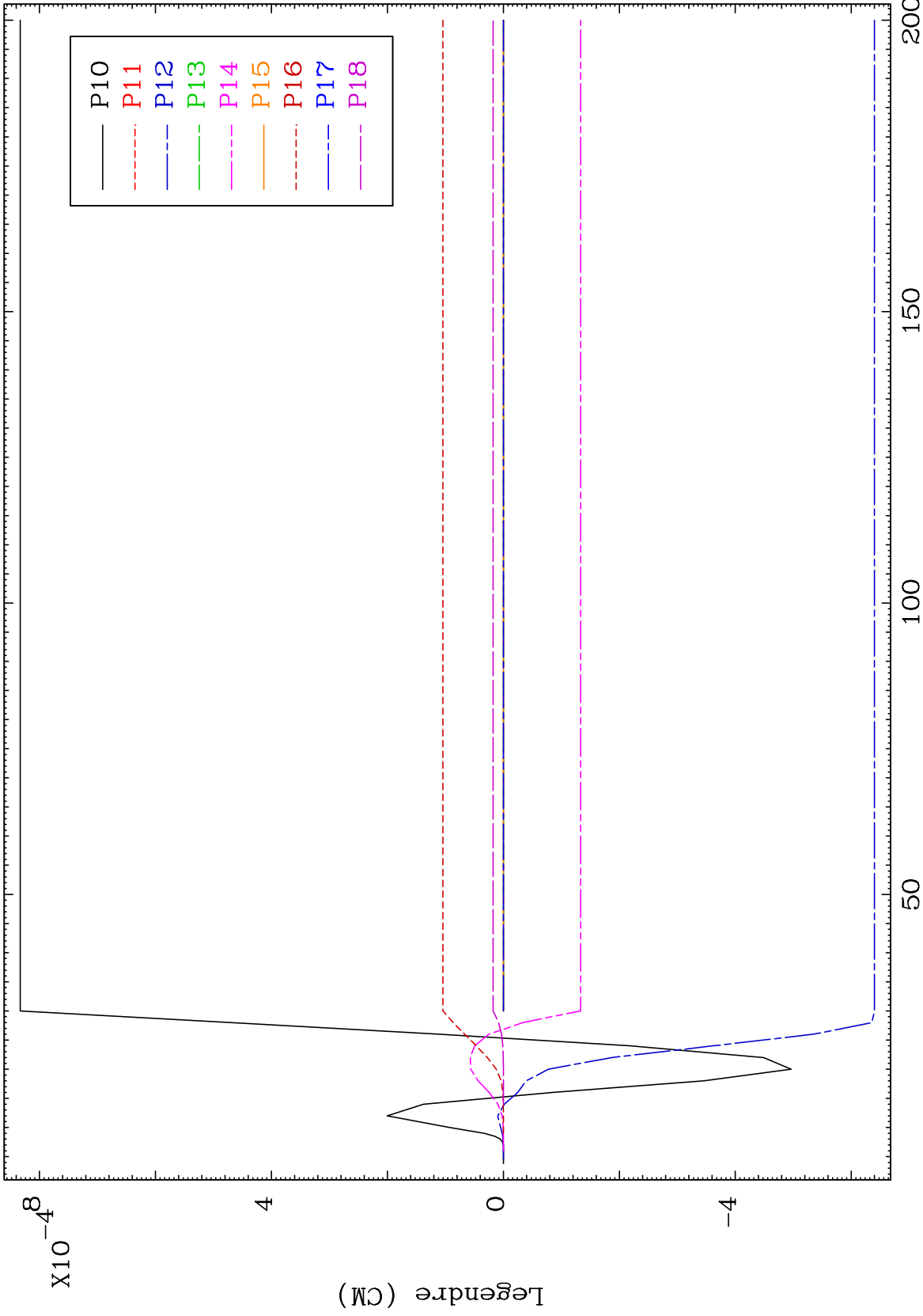
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



97

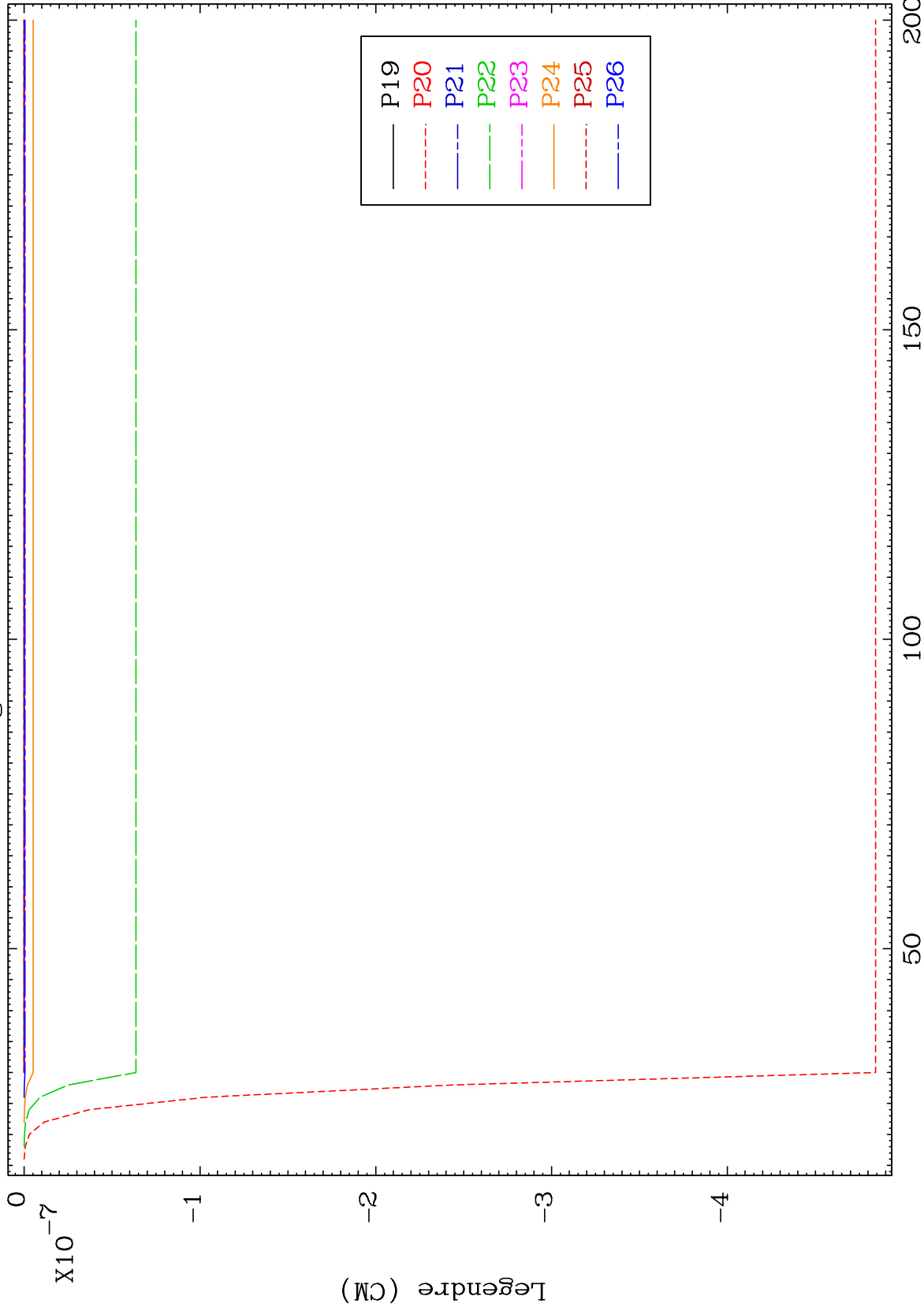
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



98

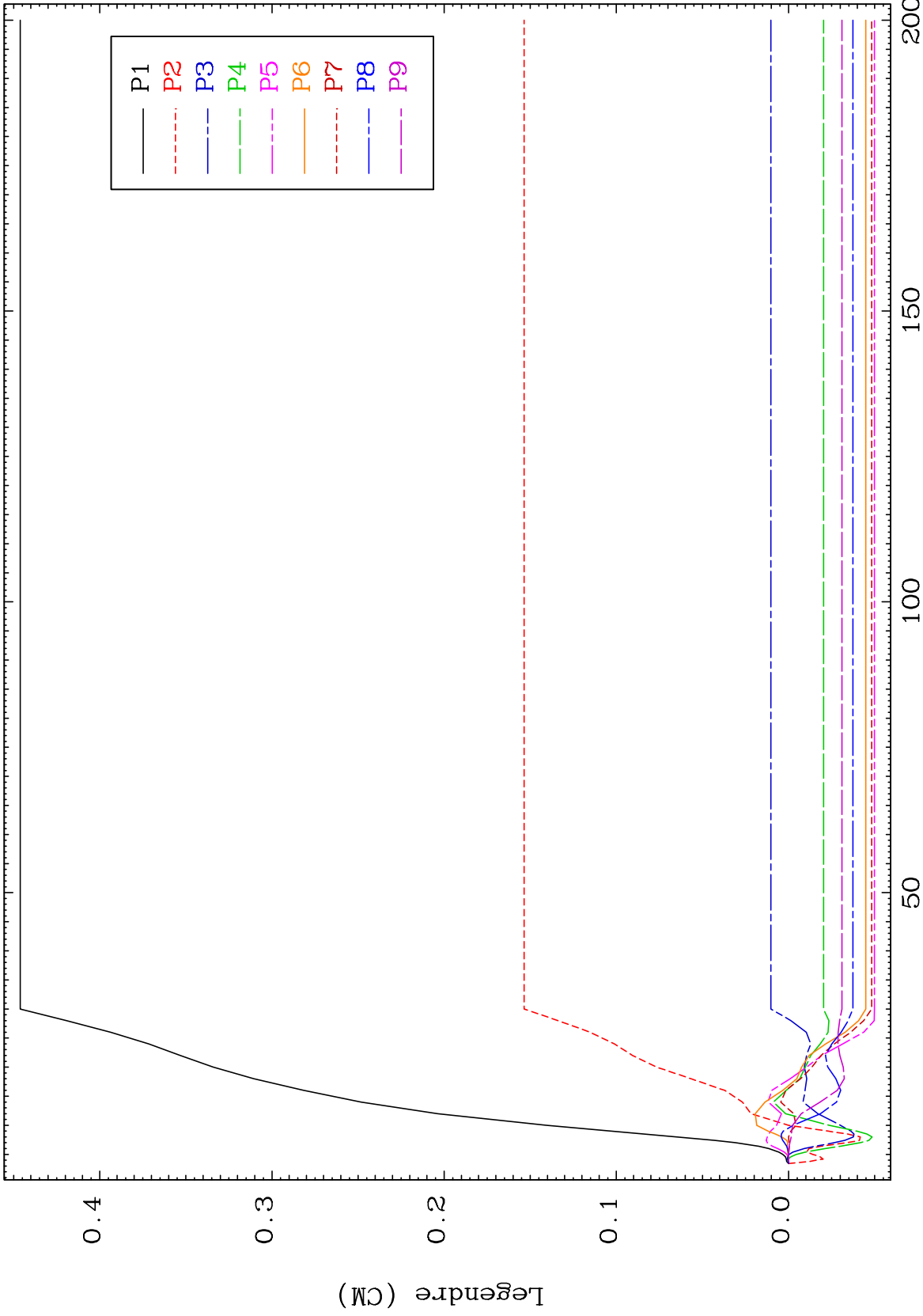
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



99

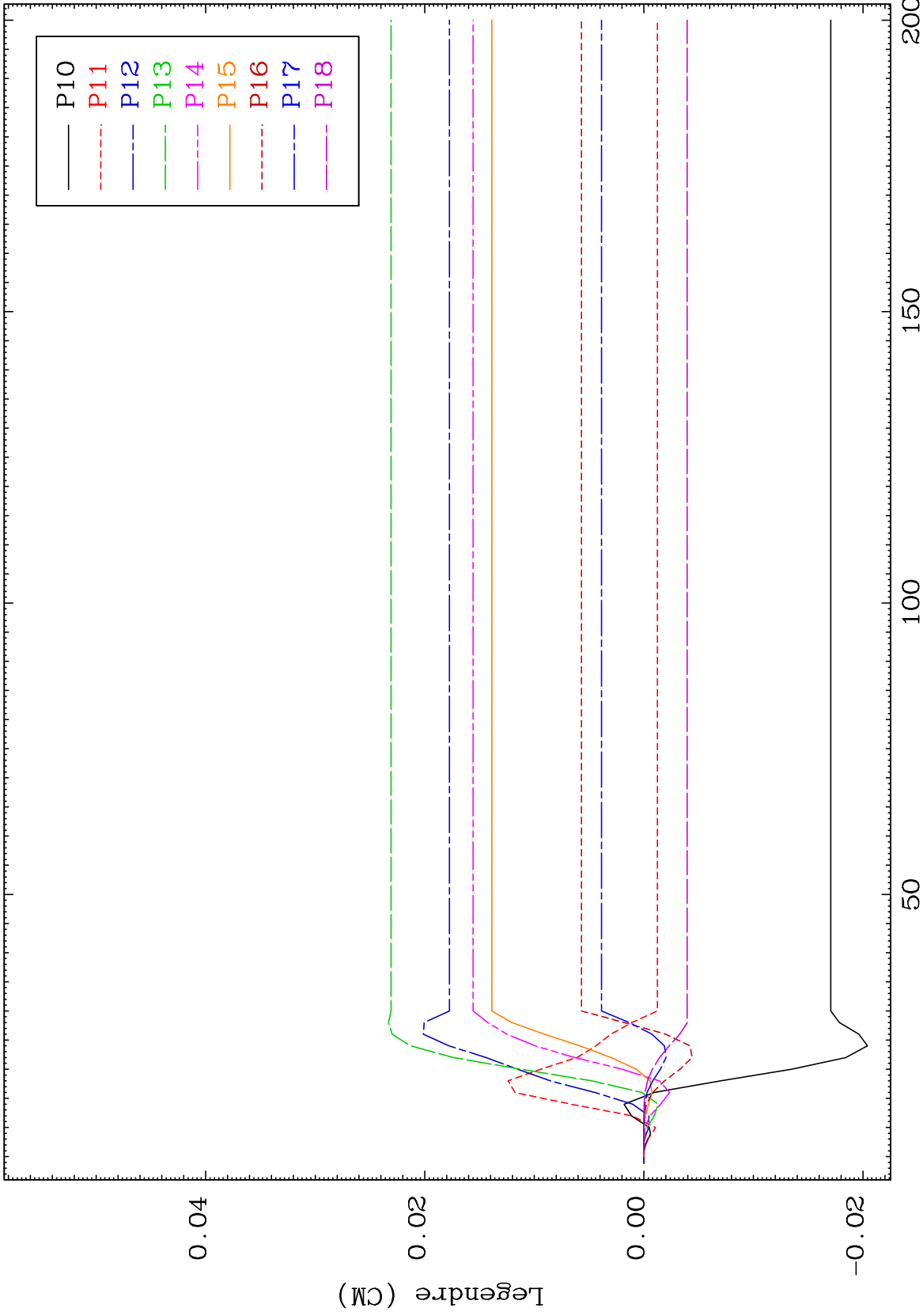
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

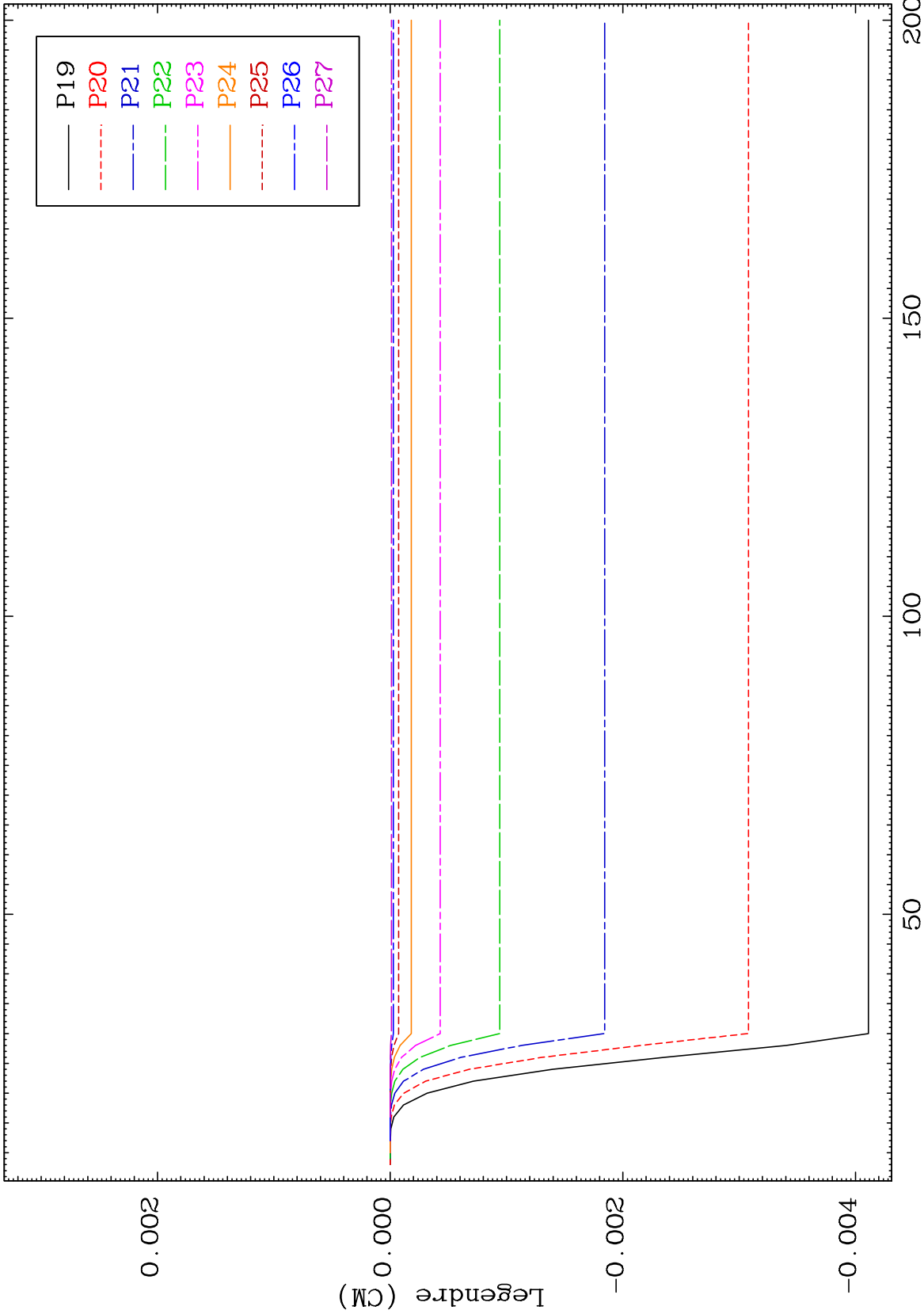
Incident Energy (MeV)

100

MAT 6407

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

64-Gd-146



101

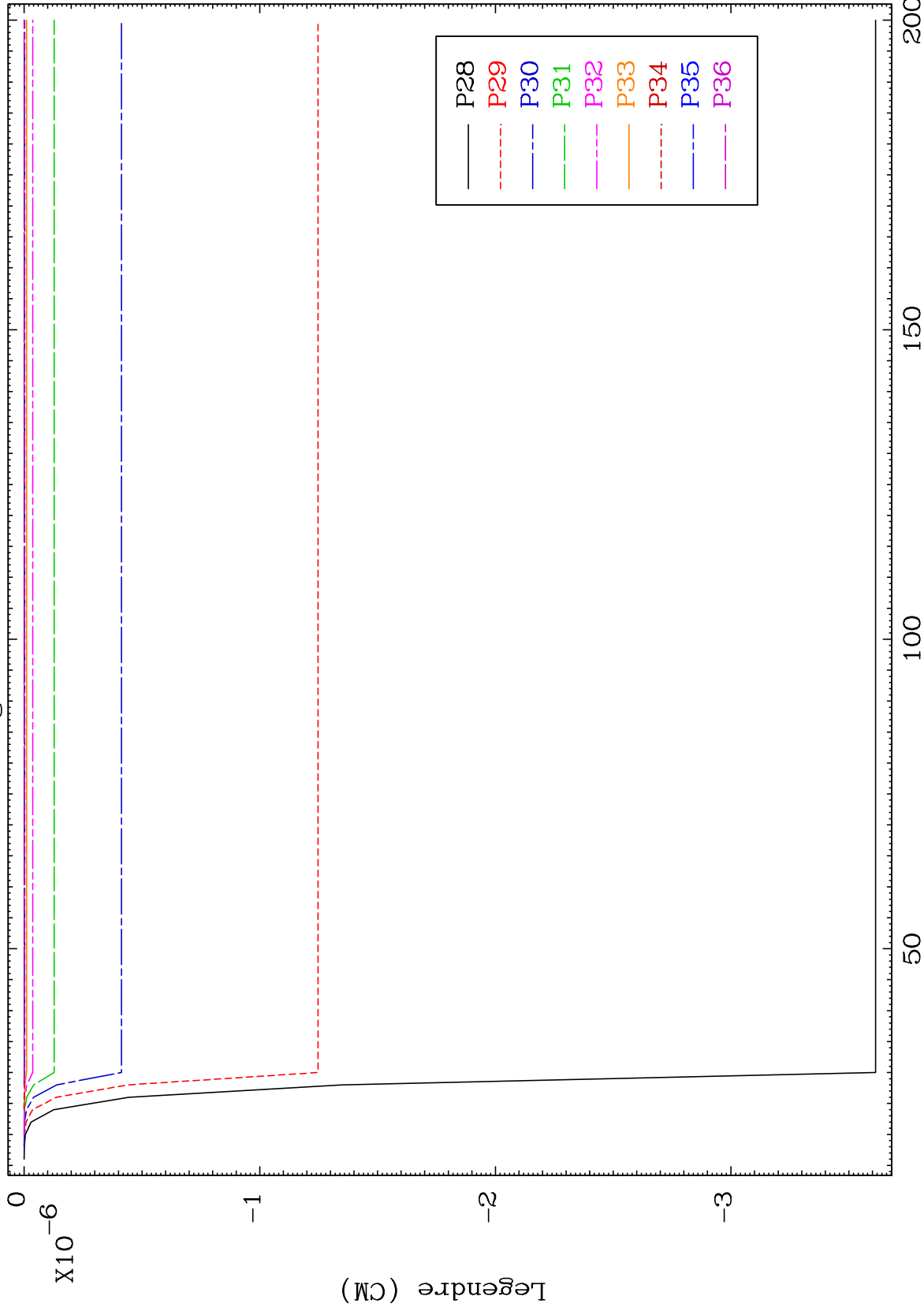
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

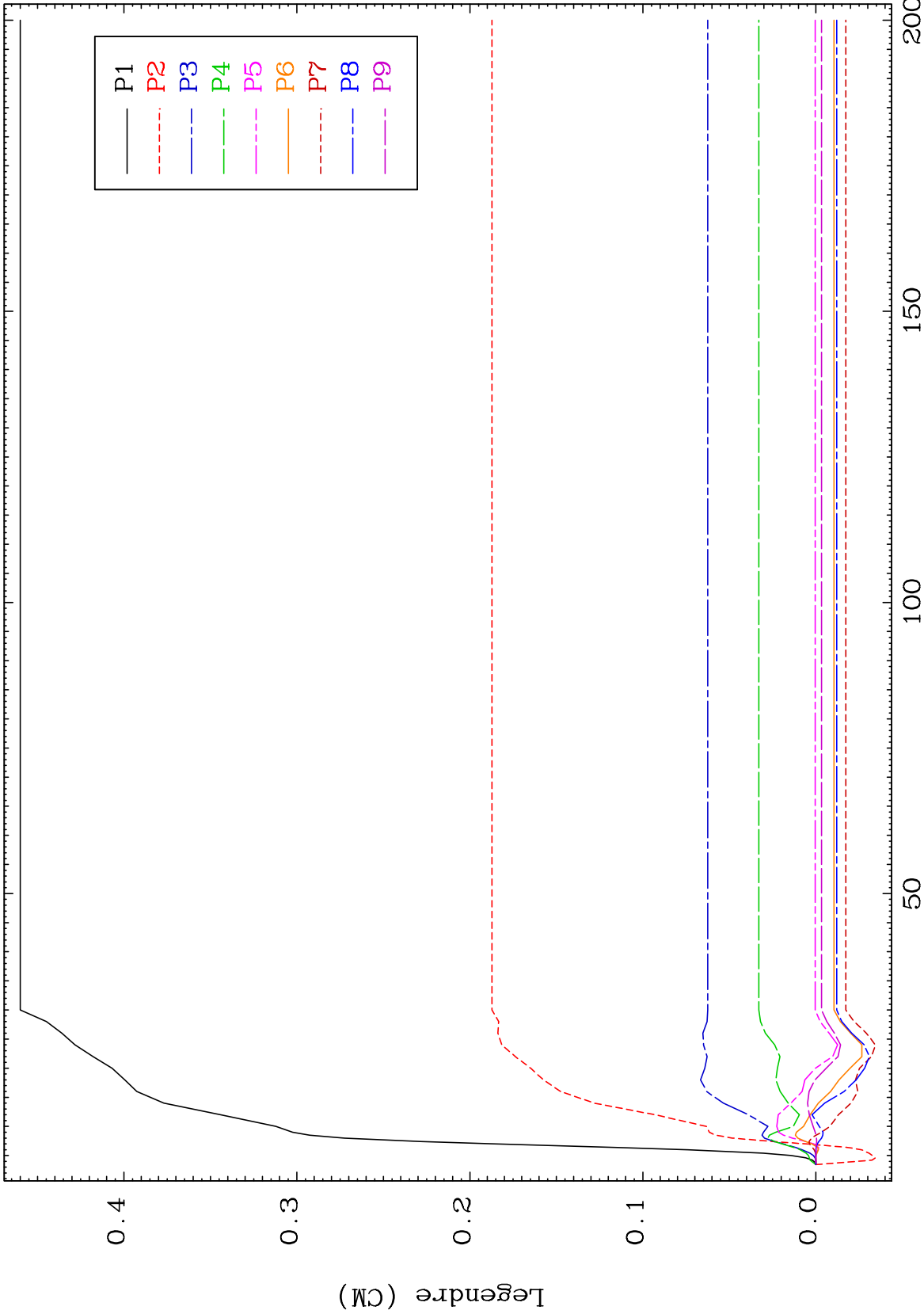
Incident Energy (MeV)

102

MAT 6407

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

64-Gd-146



103

Incident Energy (MeV)

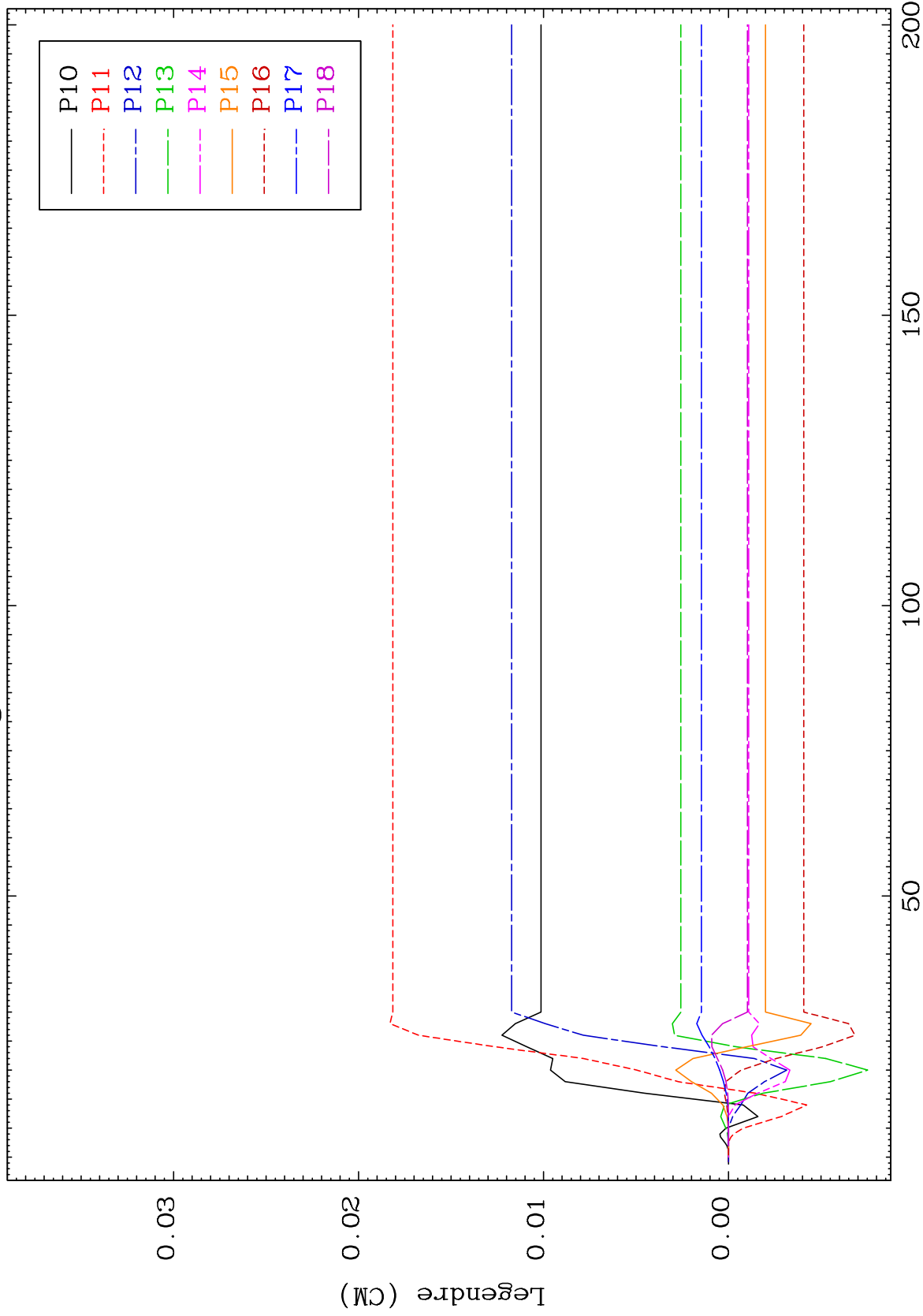
64-Gd-146



MAT 6407

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

64-Gd-146



104

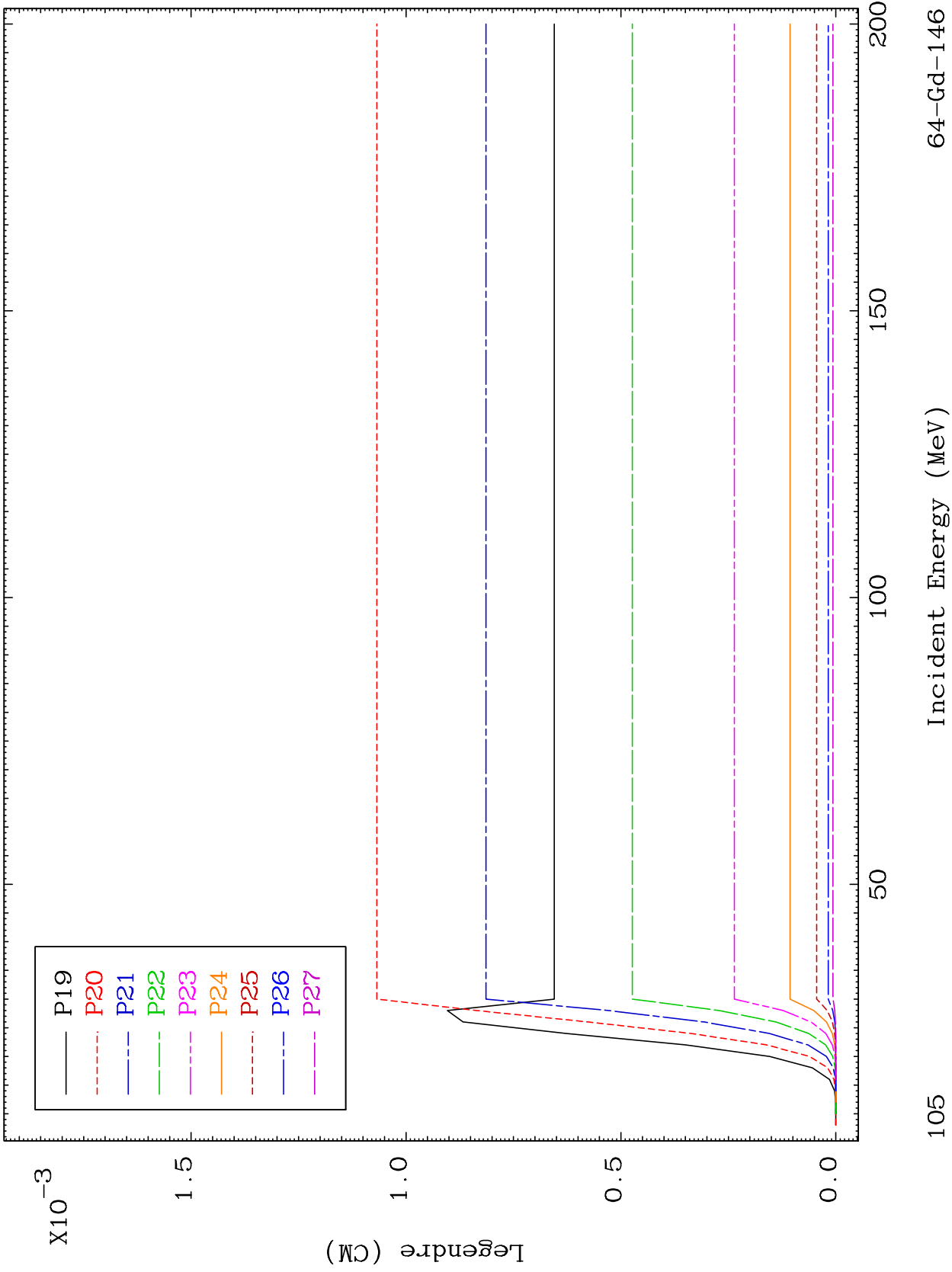
Incident Energy (MeV)

64-Gd-146

MAT 6407

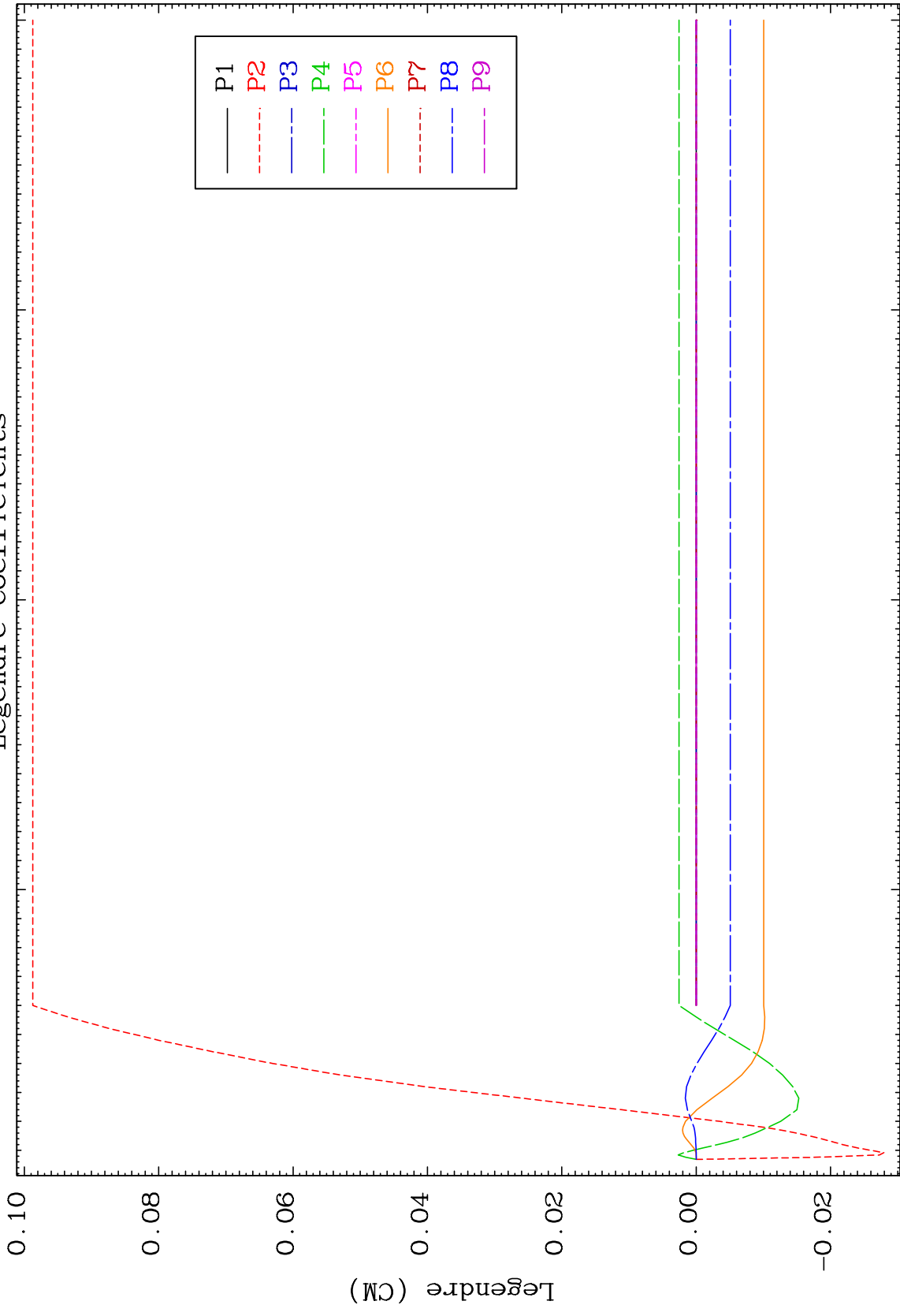
MT= 74 (n,n') Level  
Legendre Coefficients

64-Gd-146





MAT 6407 MT= 75 (n,n') Level Legendre Coefficients 64-Gd-146

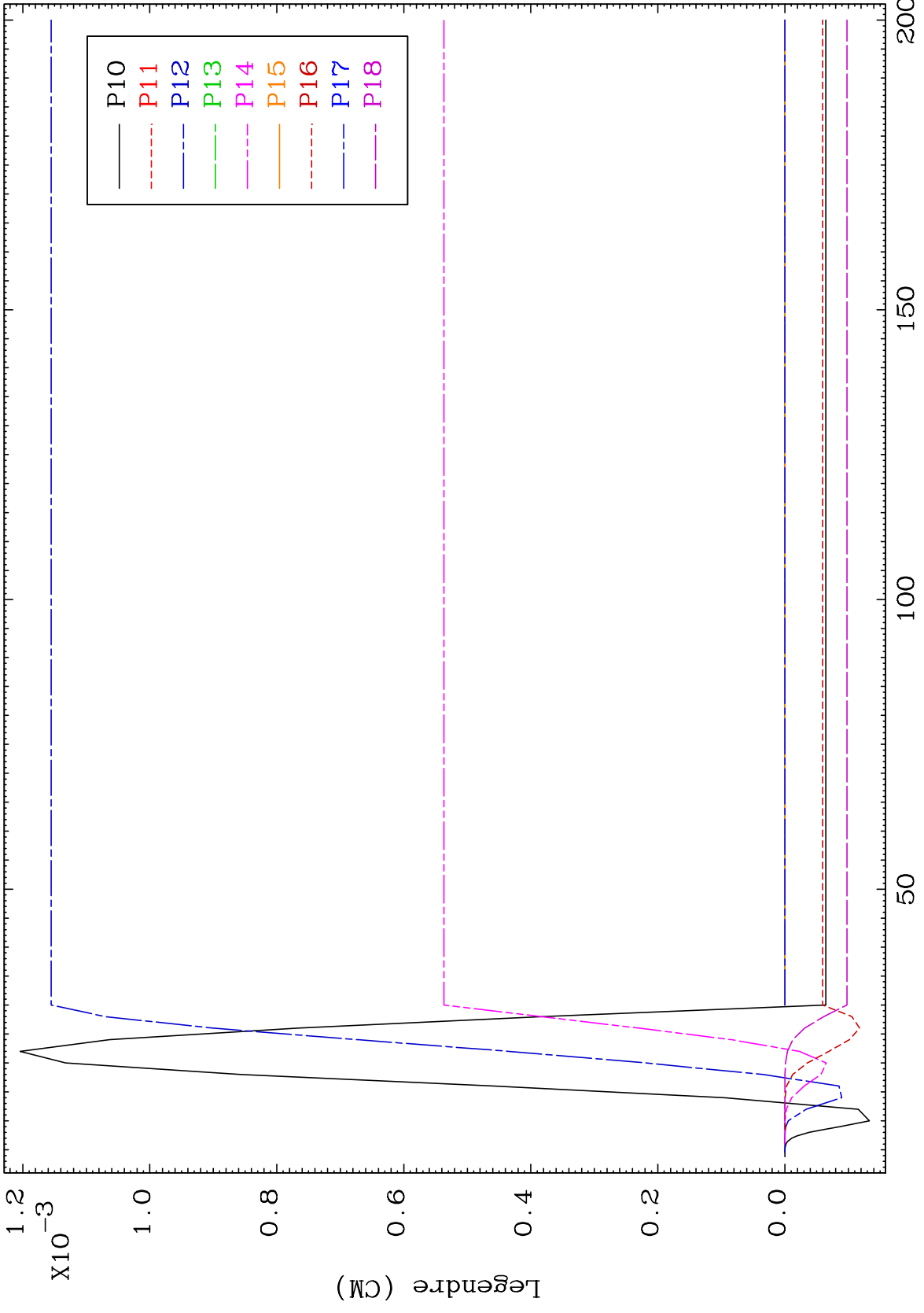


107 Incident Energy (MeV) 64-Gd-146

MAT 6407

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

64-Gd-146

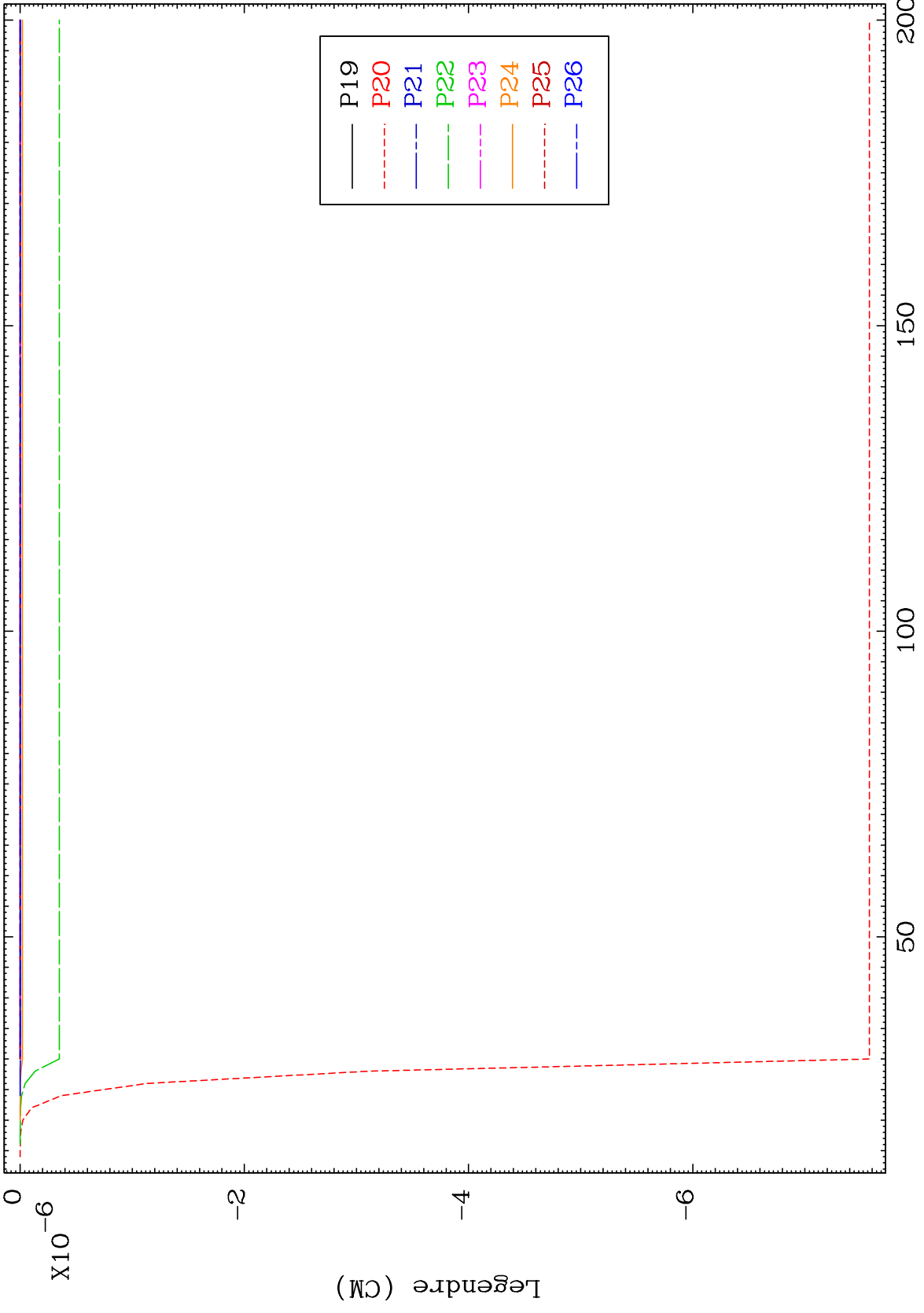


108

Incident Energy (MeV)

64-Gd-146

MAT 6407 MT= 75 (n,n') Level Legendre Coefficients 64-Gd-146

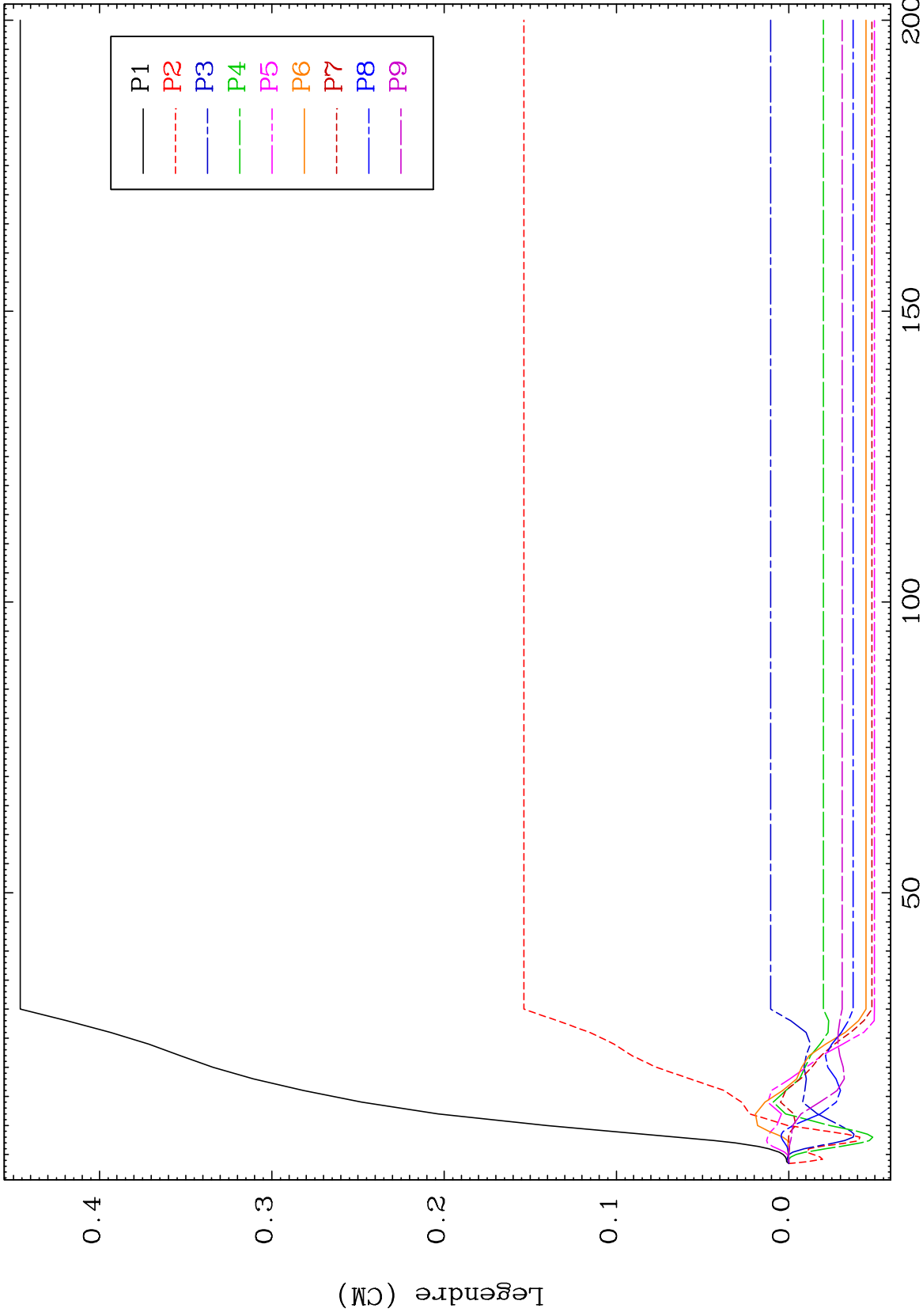


109 64-Gd-146

MAT 6407

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

64-Gd-146



110

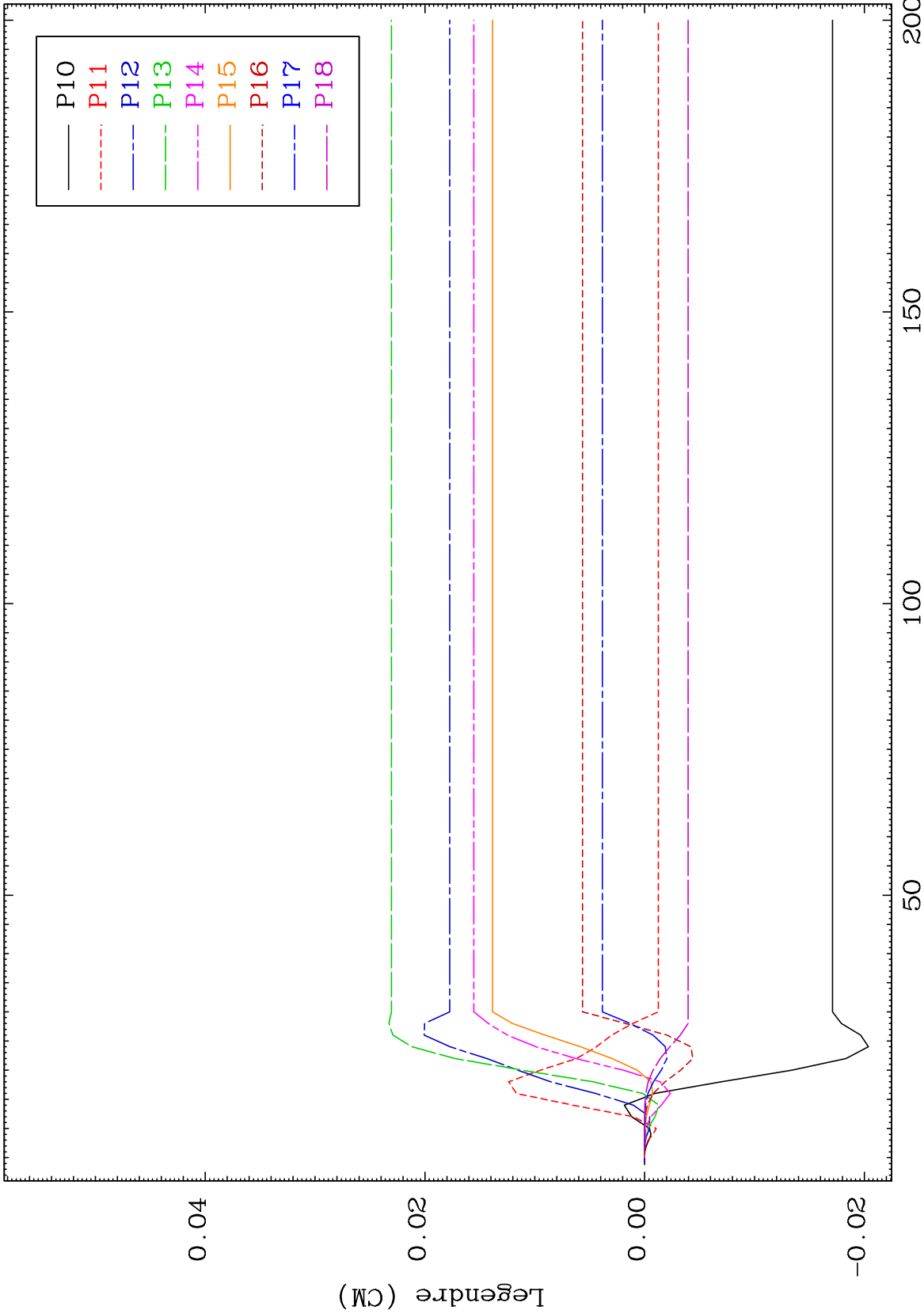
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



111

Incident Energy (MeV)

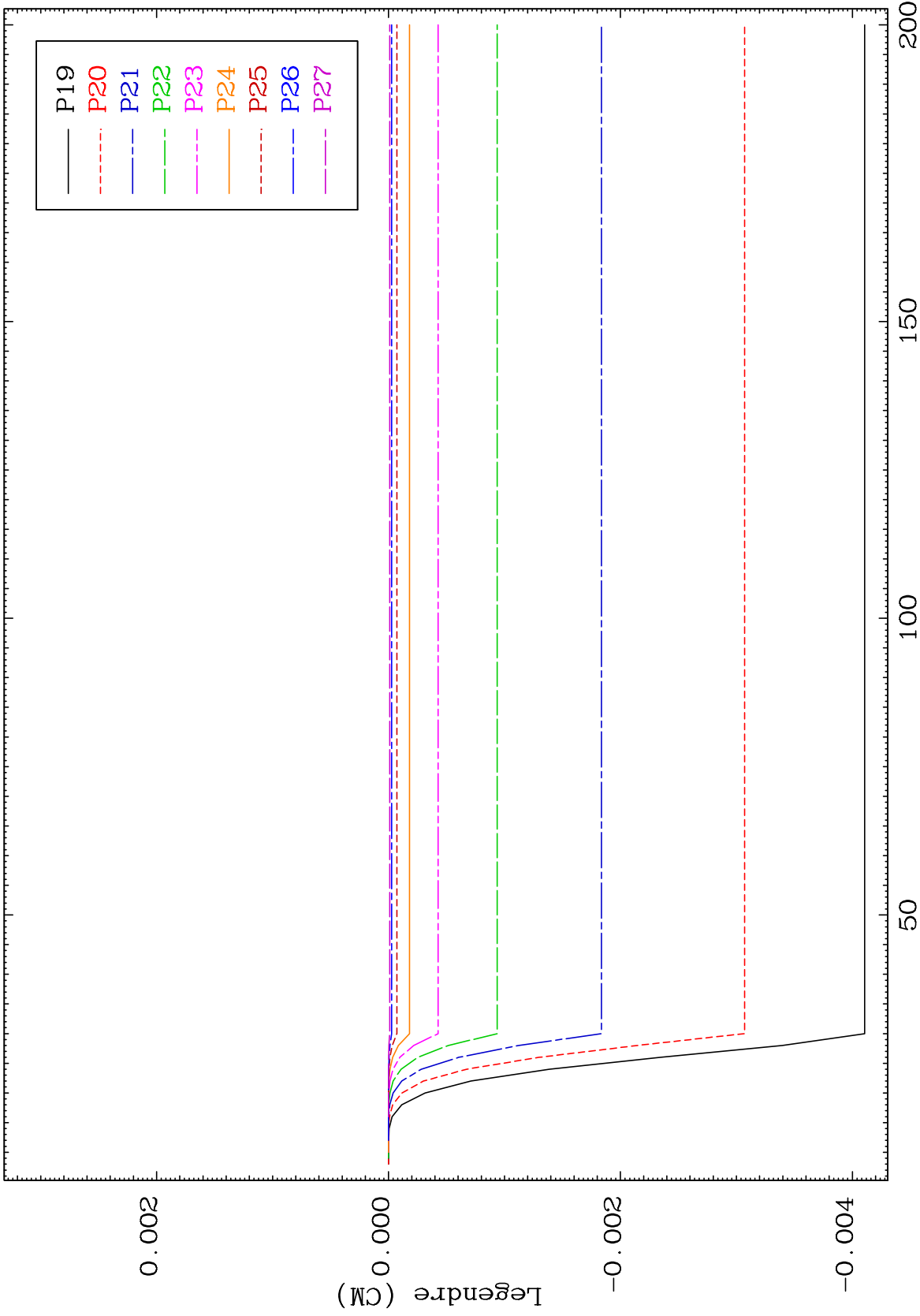
64-Gd-146



MAT 6407

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

64-Gd-146



112

Incident Energy (MeV)

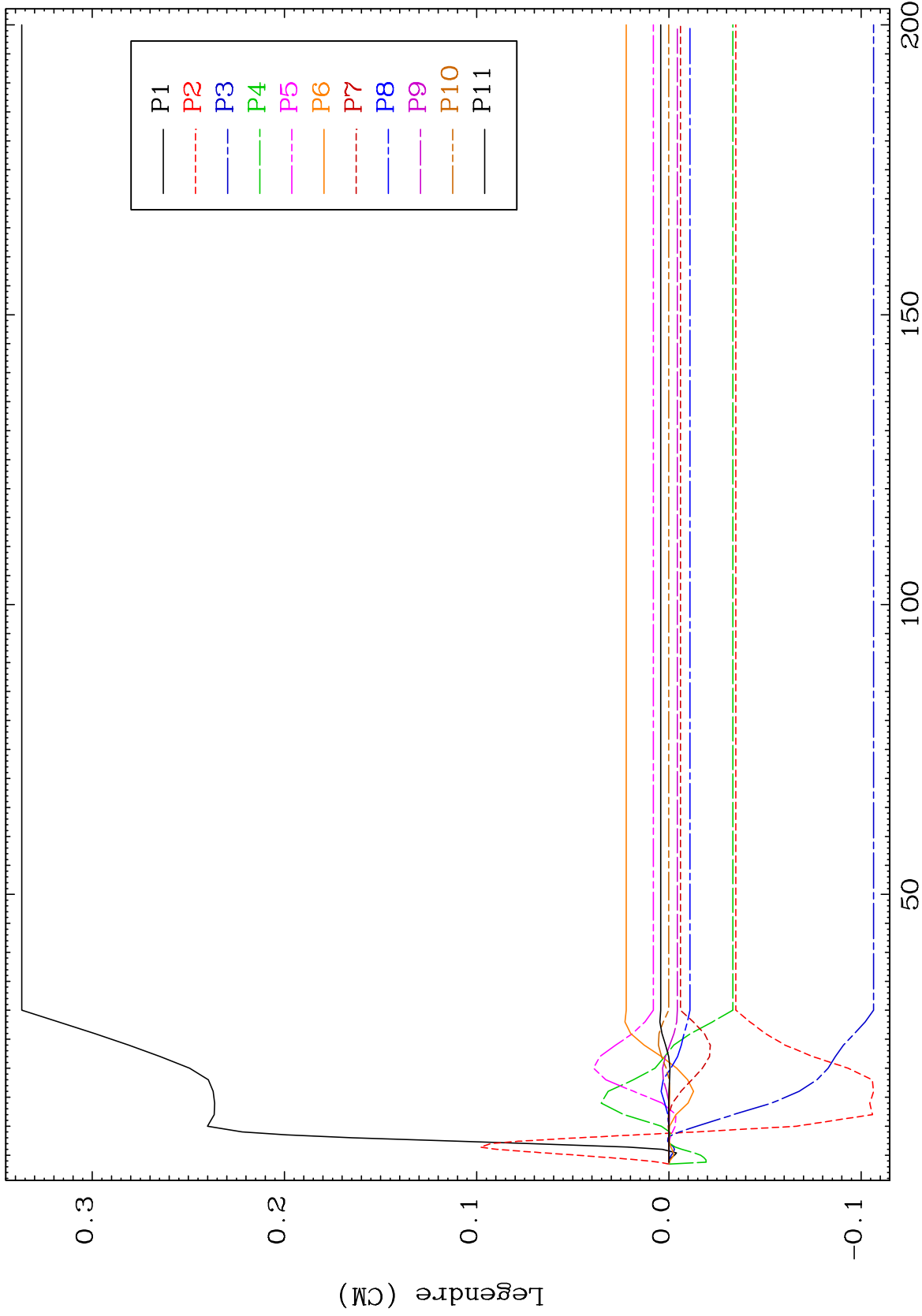
64-Gd-146



MAT 6407

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

64-Gd-146



114

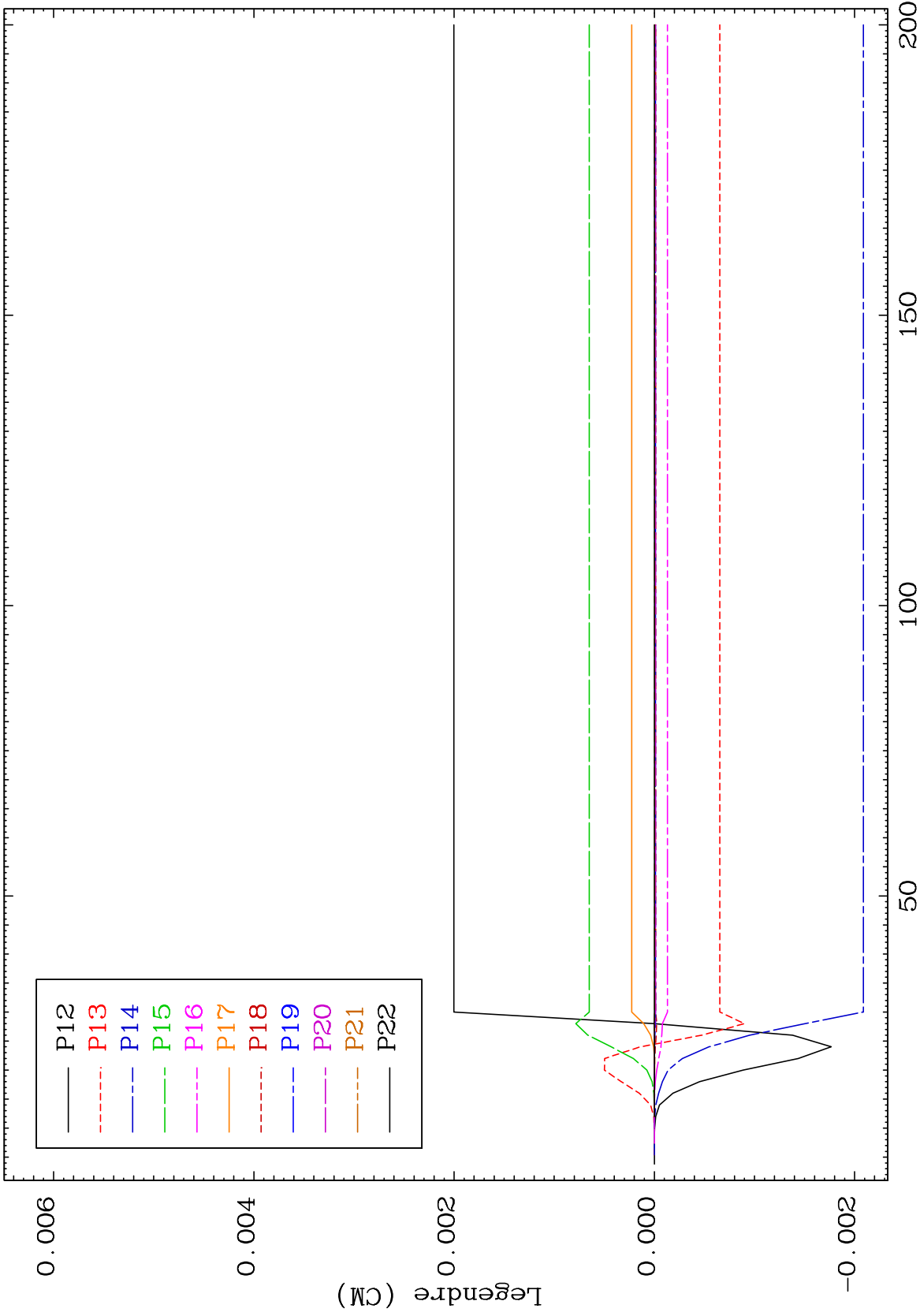
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



115

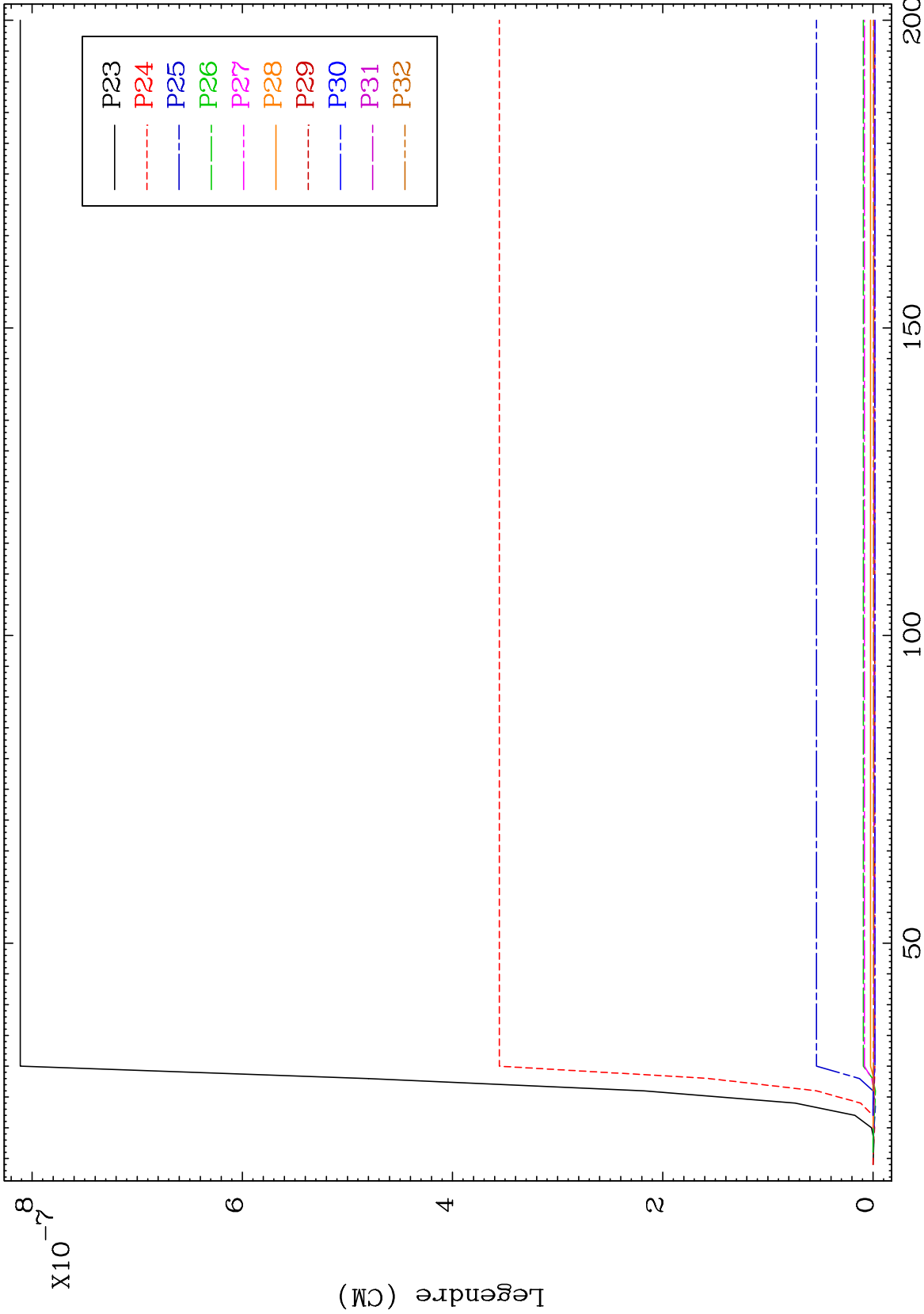
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



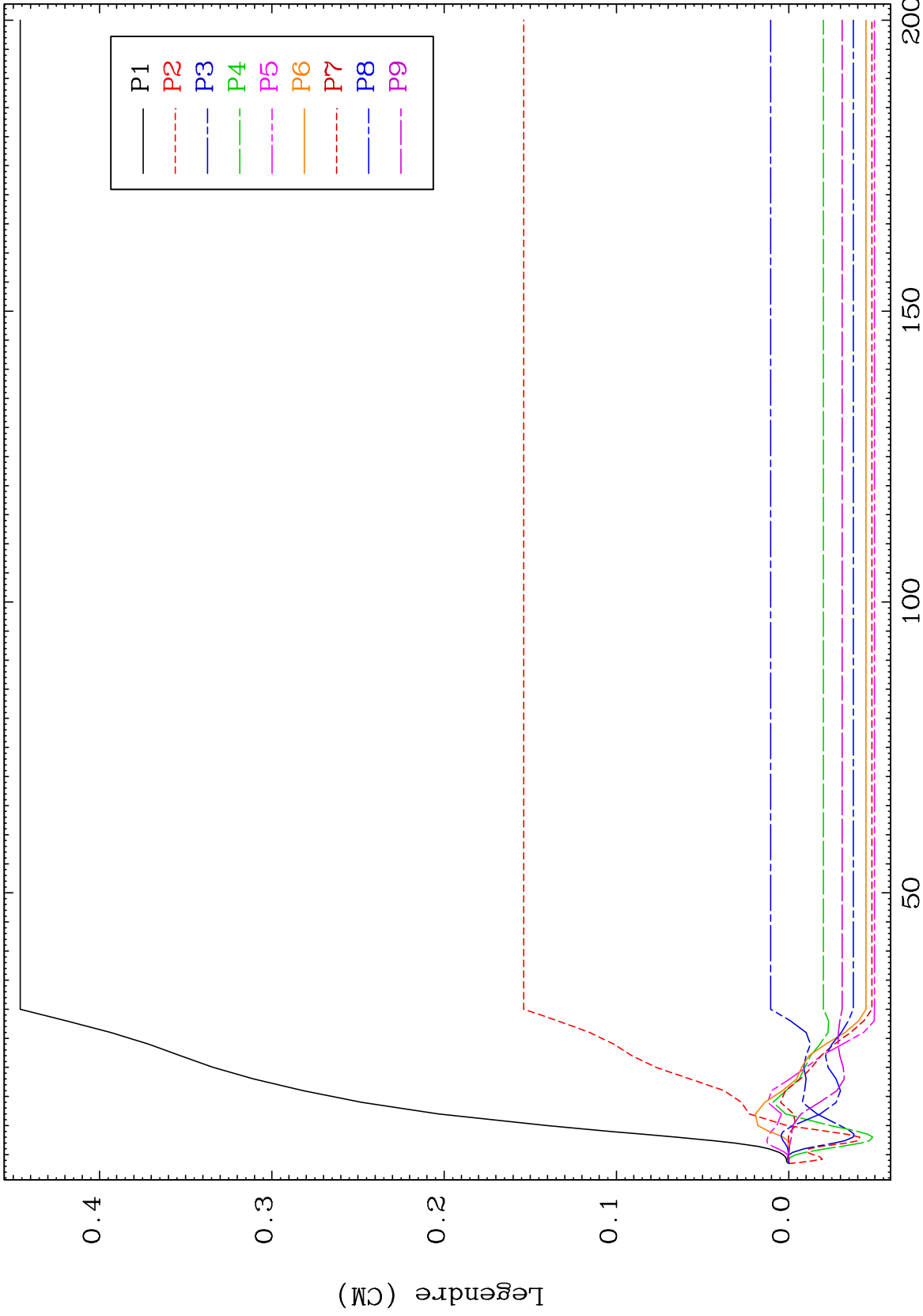
116

64-Gd-146

MAT 6407

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

64-Gd-146



117

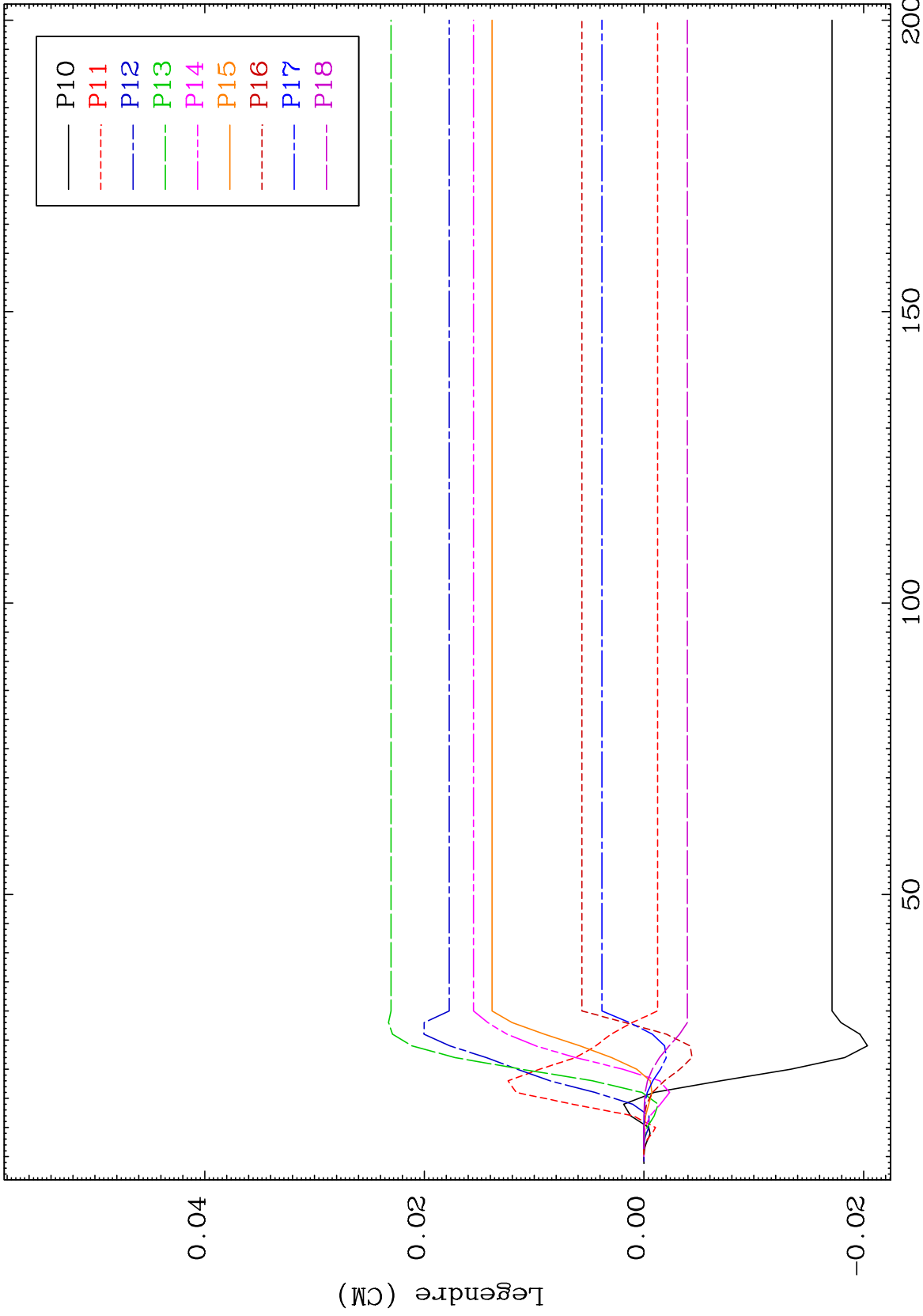
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



118

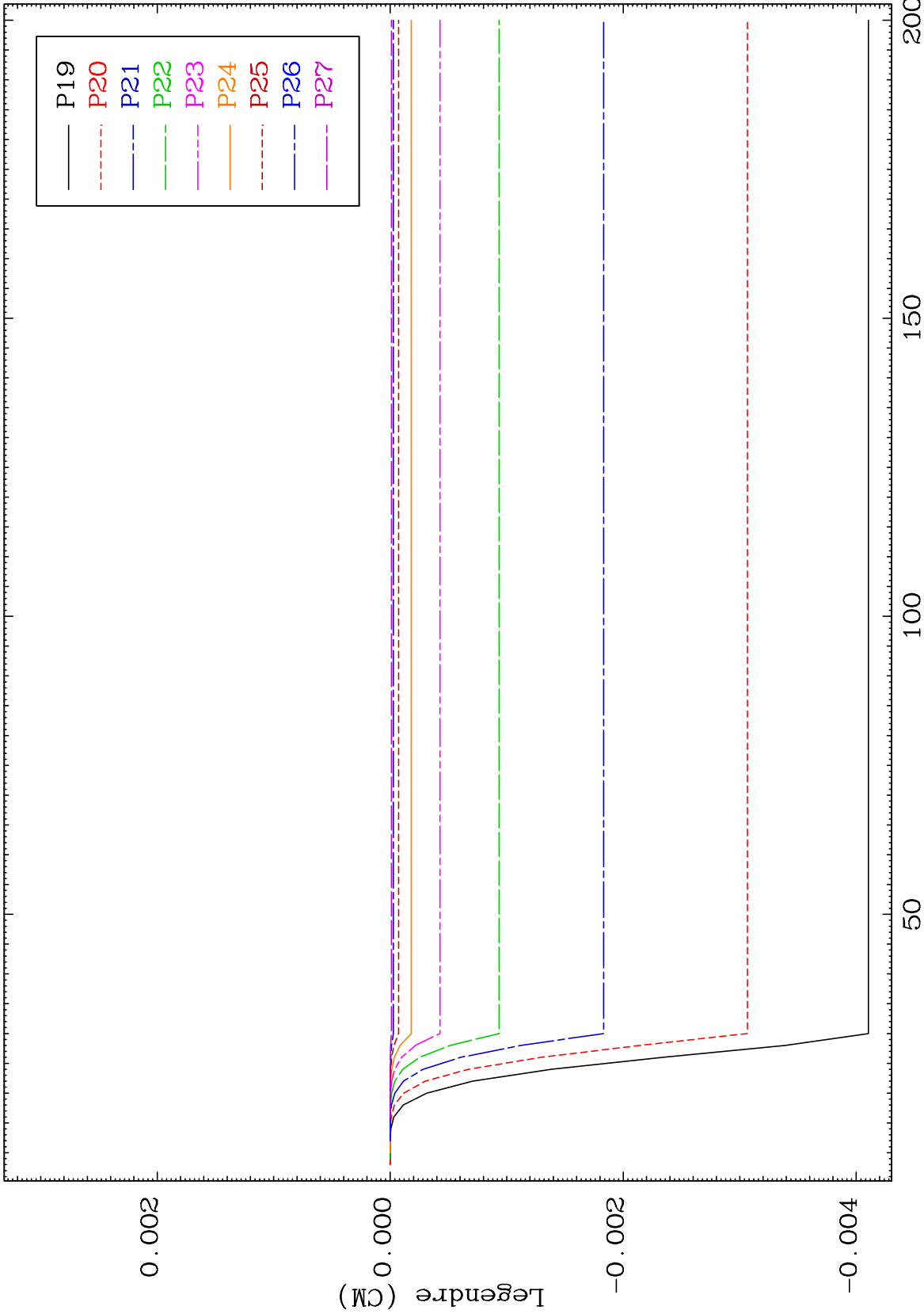
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



119

Incident Energy (MeV)

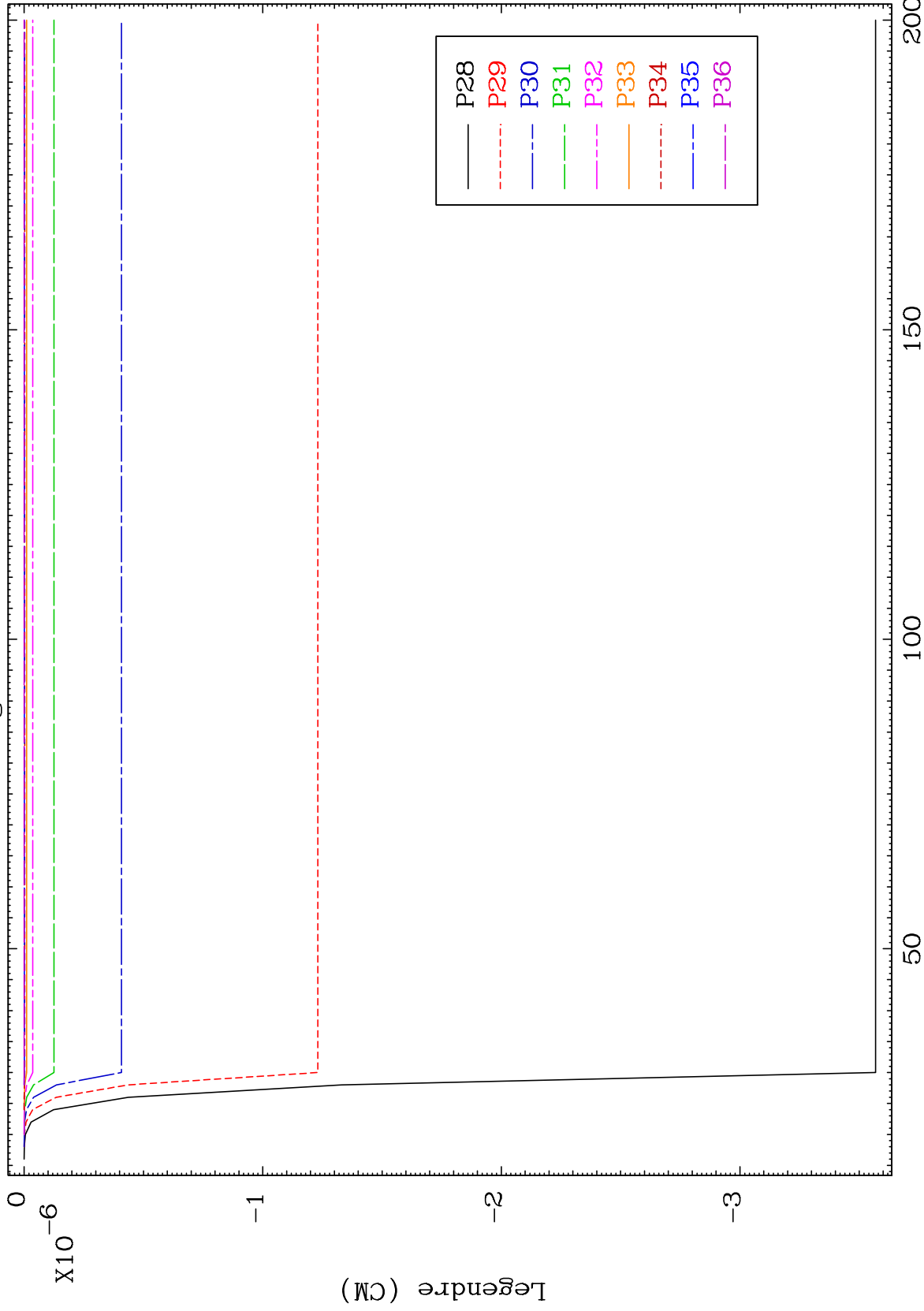
64-Gd-146



MAT 6407

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

64-Gd-146



64-Gd-146

Incident Energy (MeV)

Legendre (CM)

MAT 6407

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

64-Gd-146



121

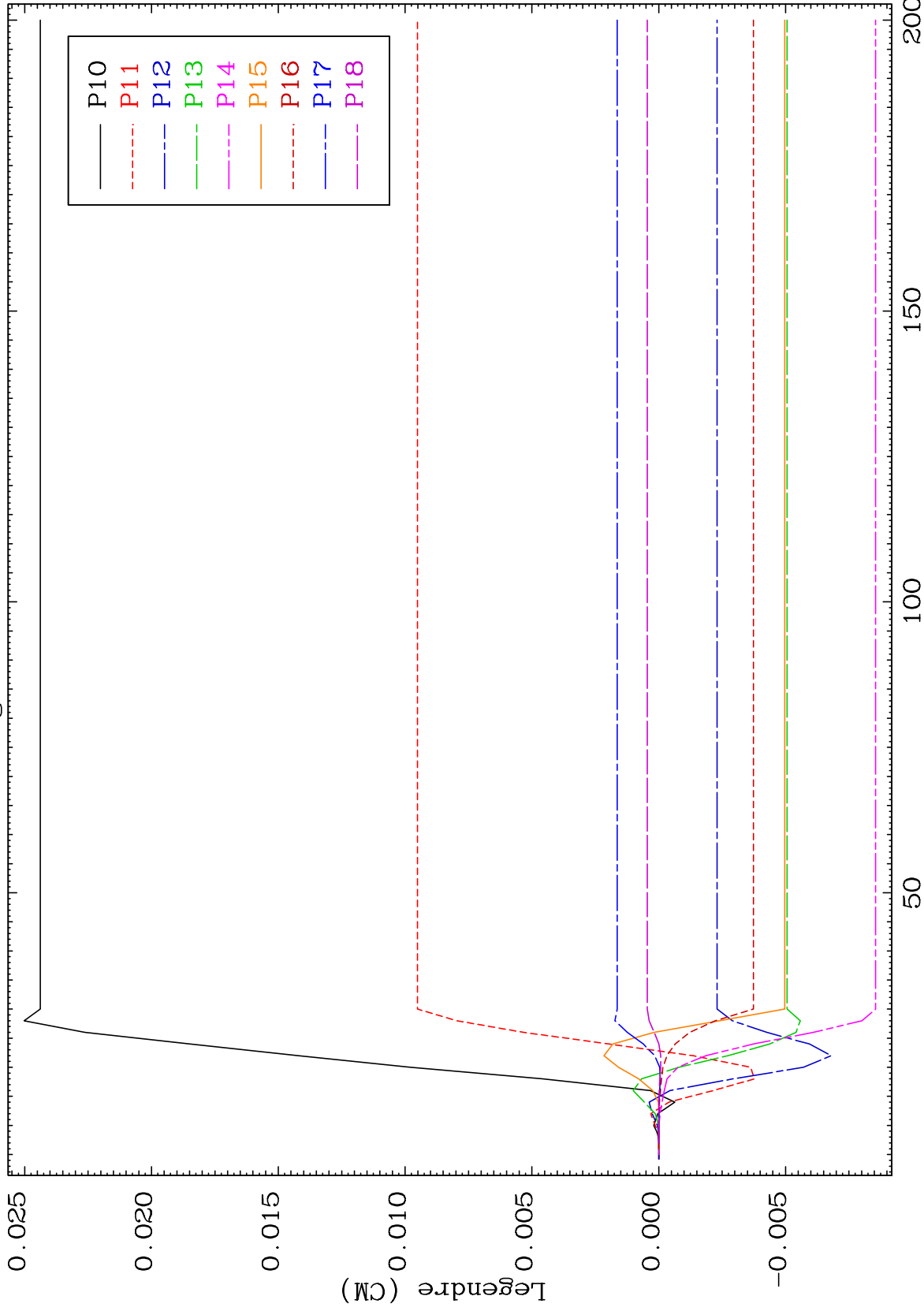
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

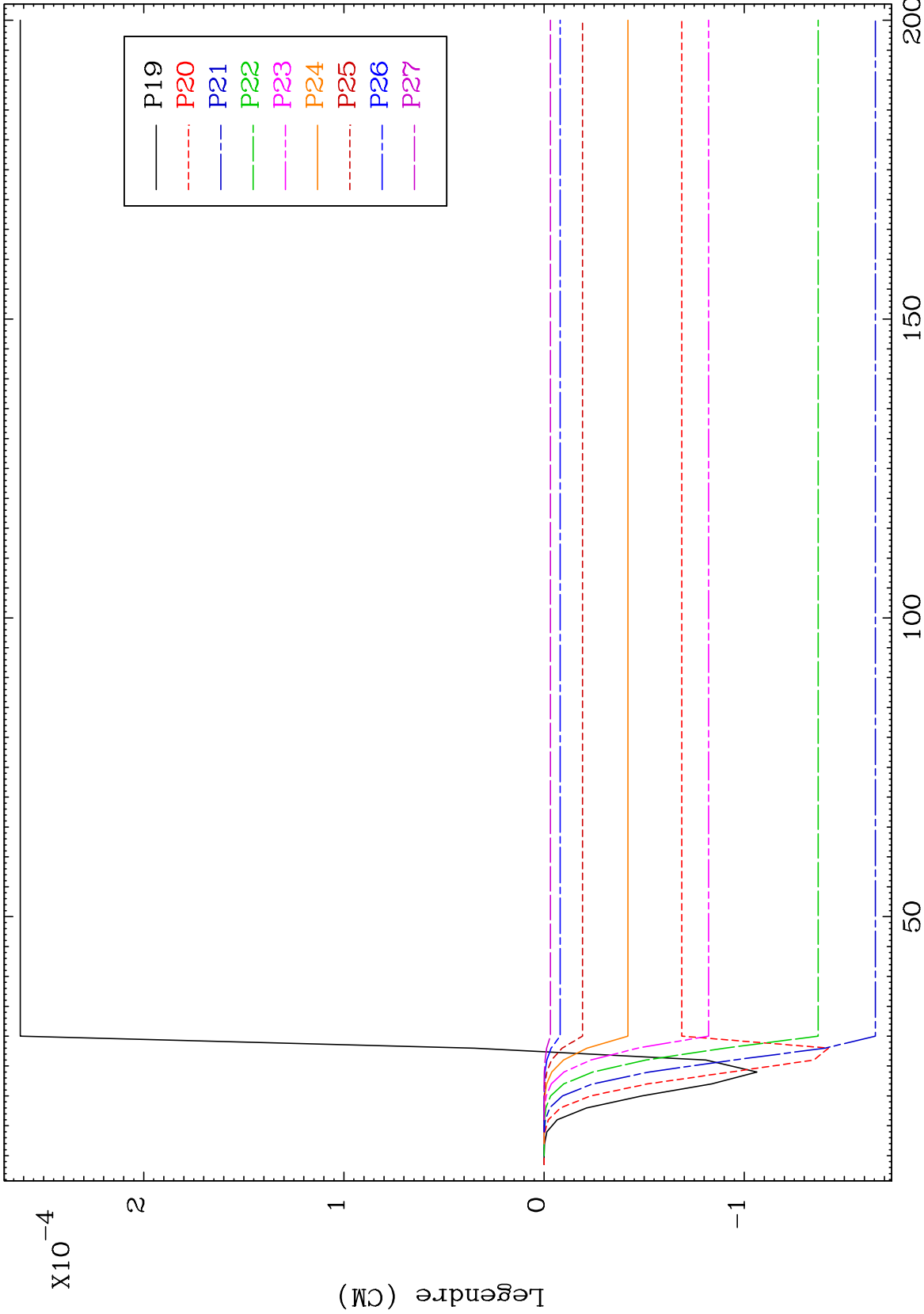
64-Gd-146



122

Incident Energy (MeV)

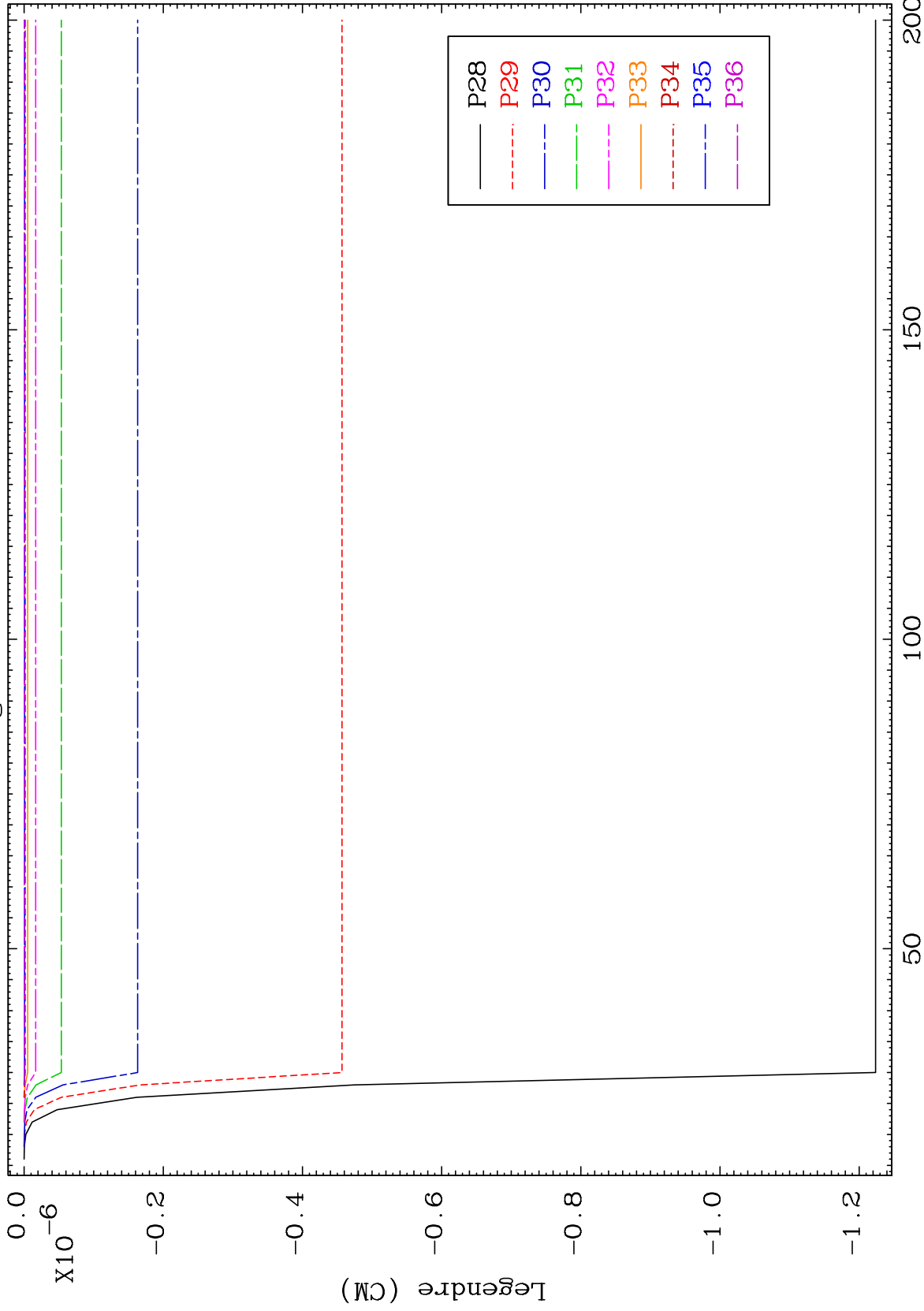
64-Gd-146



MAT 6407

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

64-Gd-146



64-Gd-146

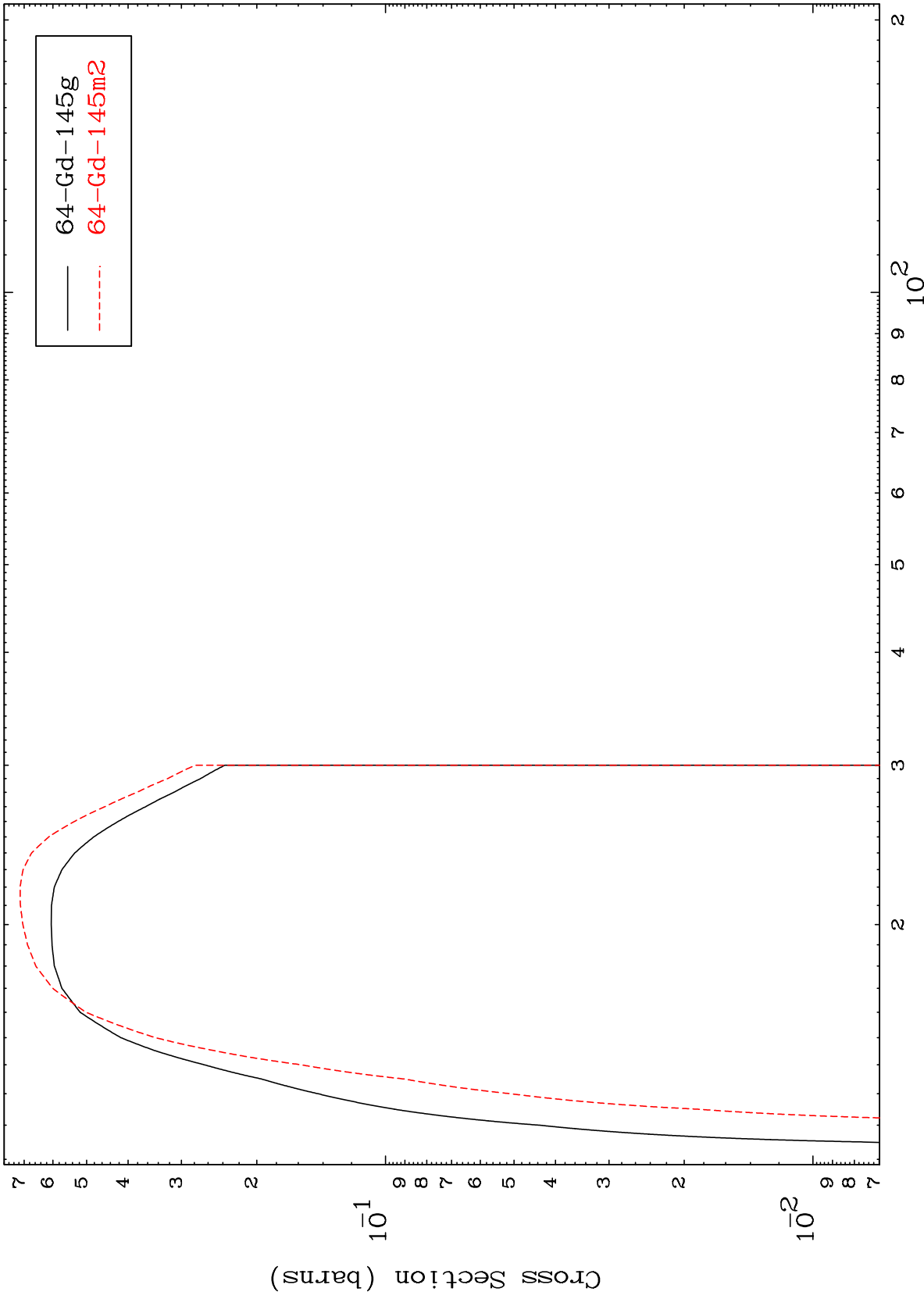
Incident Energy (MeV)

124

MAT 6407

64-Gd-146

(n,2n)  
Radionuclide Production Cross Section



125

Incident Energy (MeV)

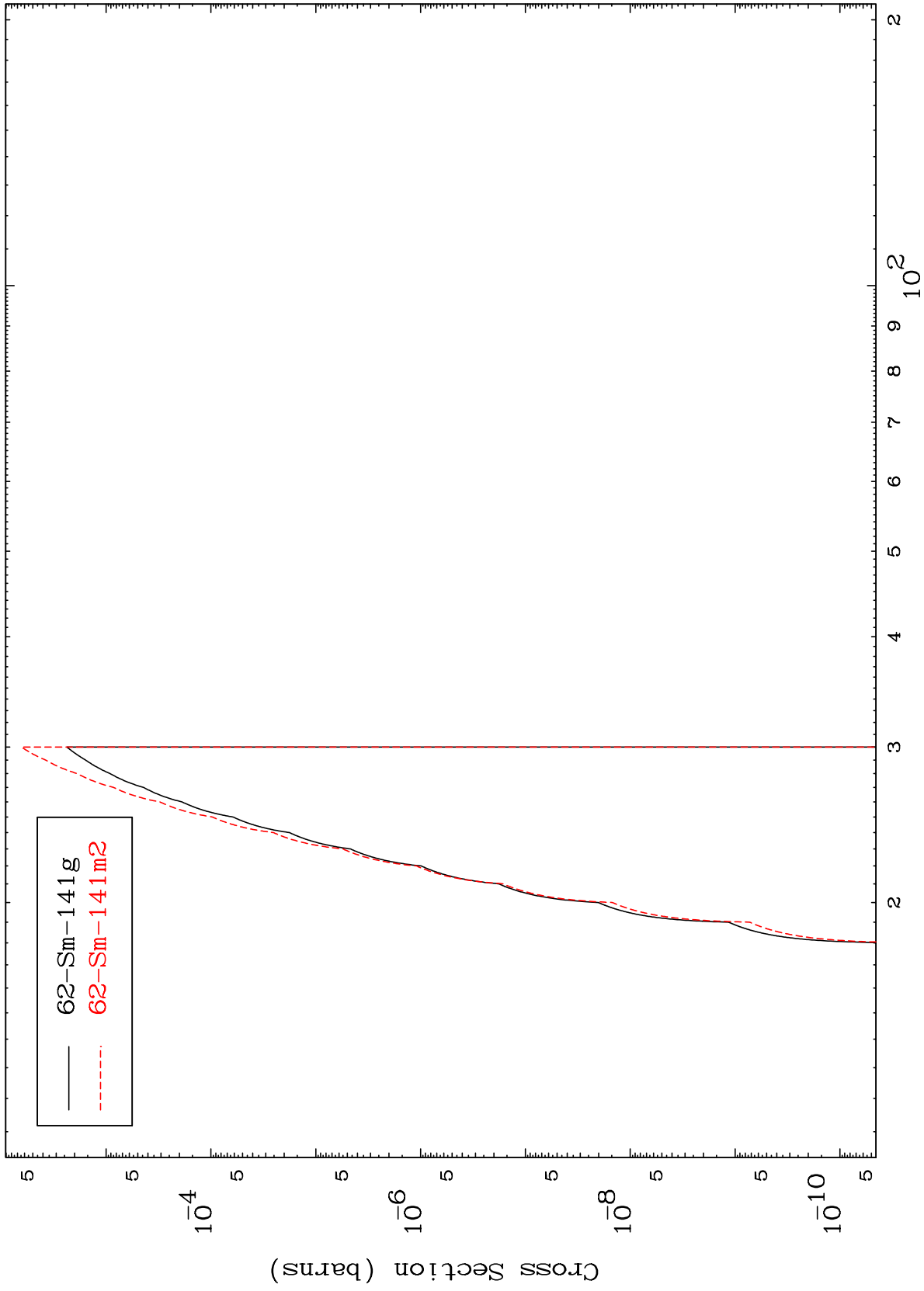
64-Gd-146

MAT 6407

(n,2n)  $\alpha$

64-Gd-146

Radionuclide Production Cross Section



126

Incident Energy (MeV)

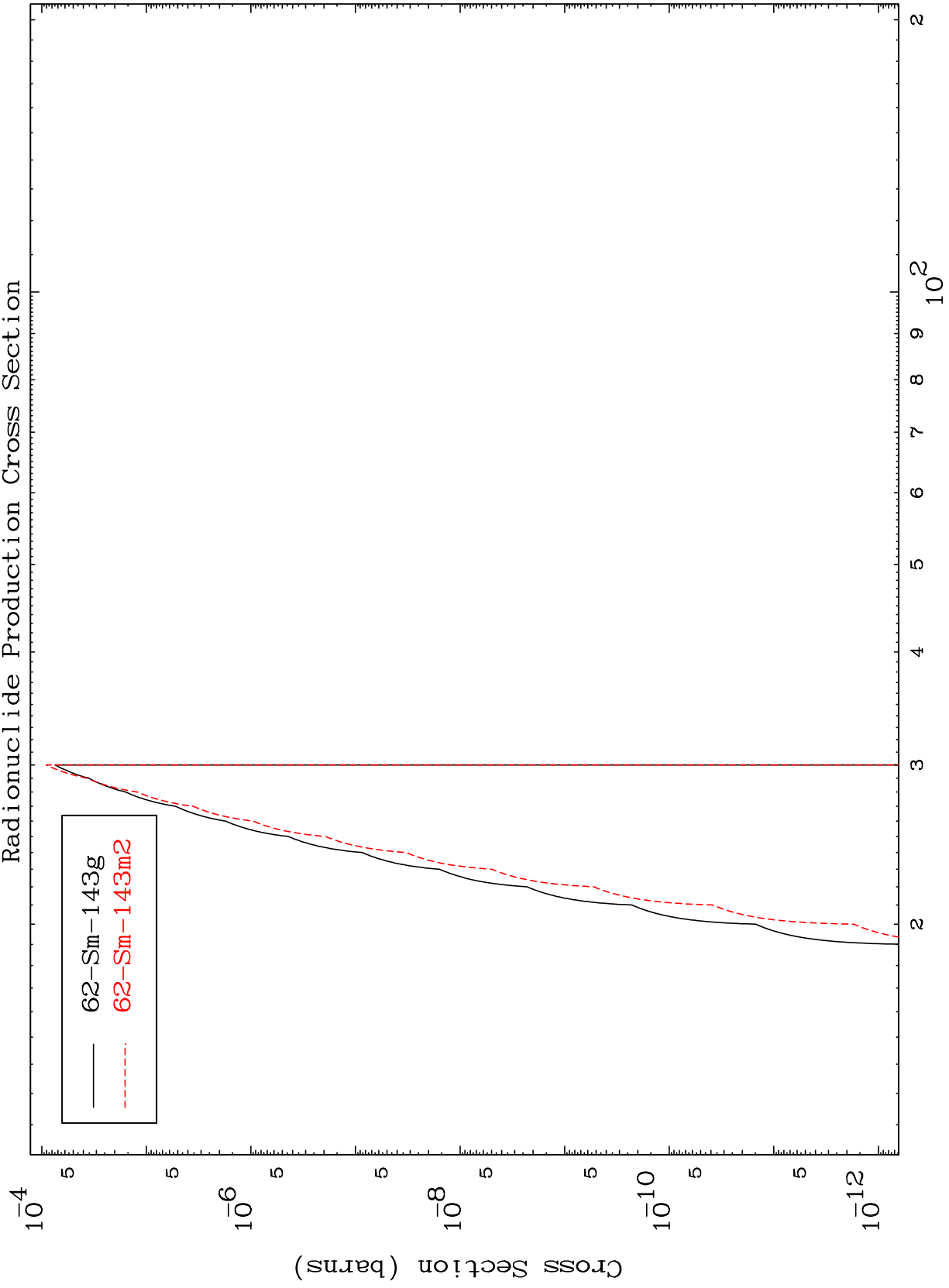
64-Gd-146

MAT 6407

(n, n') He-3

64-Gd-146

Radionuclide Production Cross Section



127

Incident Energy (MeV)

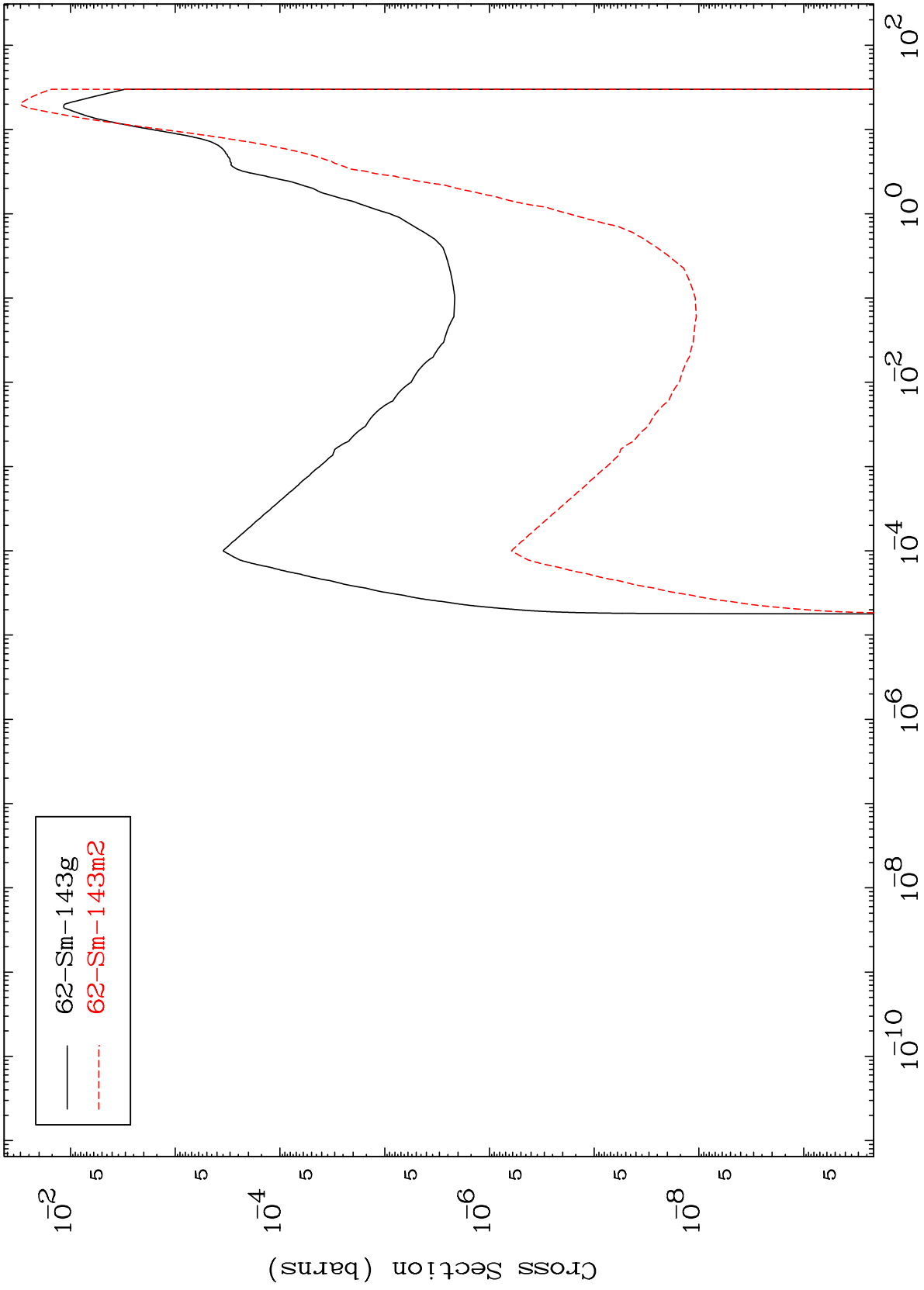
64-Gd-146



MAT 6407

$(n, \alpha)$   
Radionuclide Production Cross Section

$^{64}\text{Gd}-146$



128

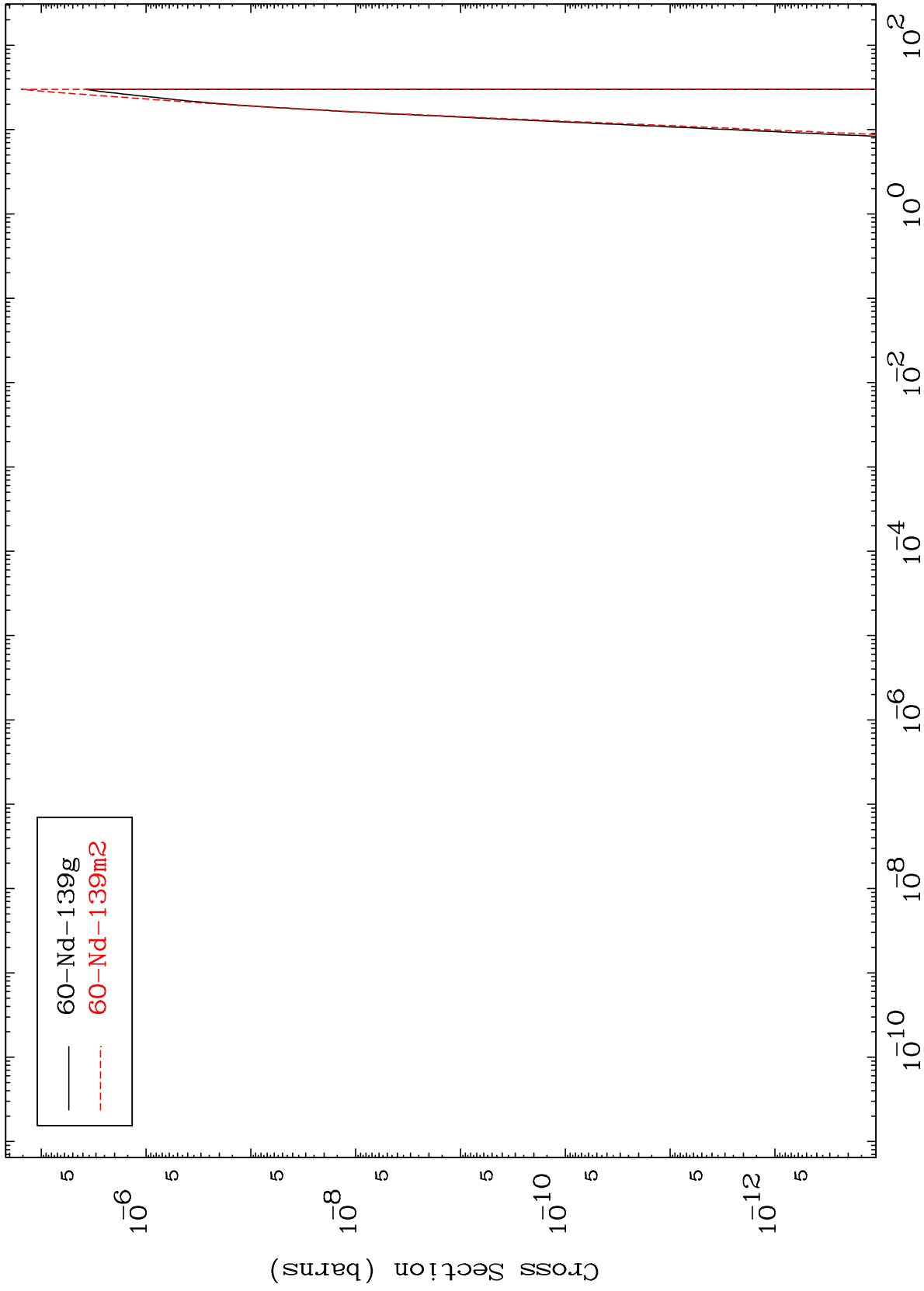
$^{64}\text{Gd}-146$

MAT 6407

(n,2α)

64-Gd-146

Radionuclide Production Cross Section



129

Incident Energy (MeV)

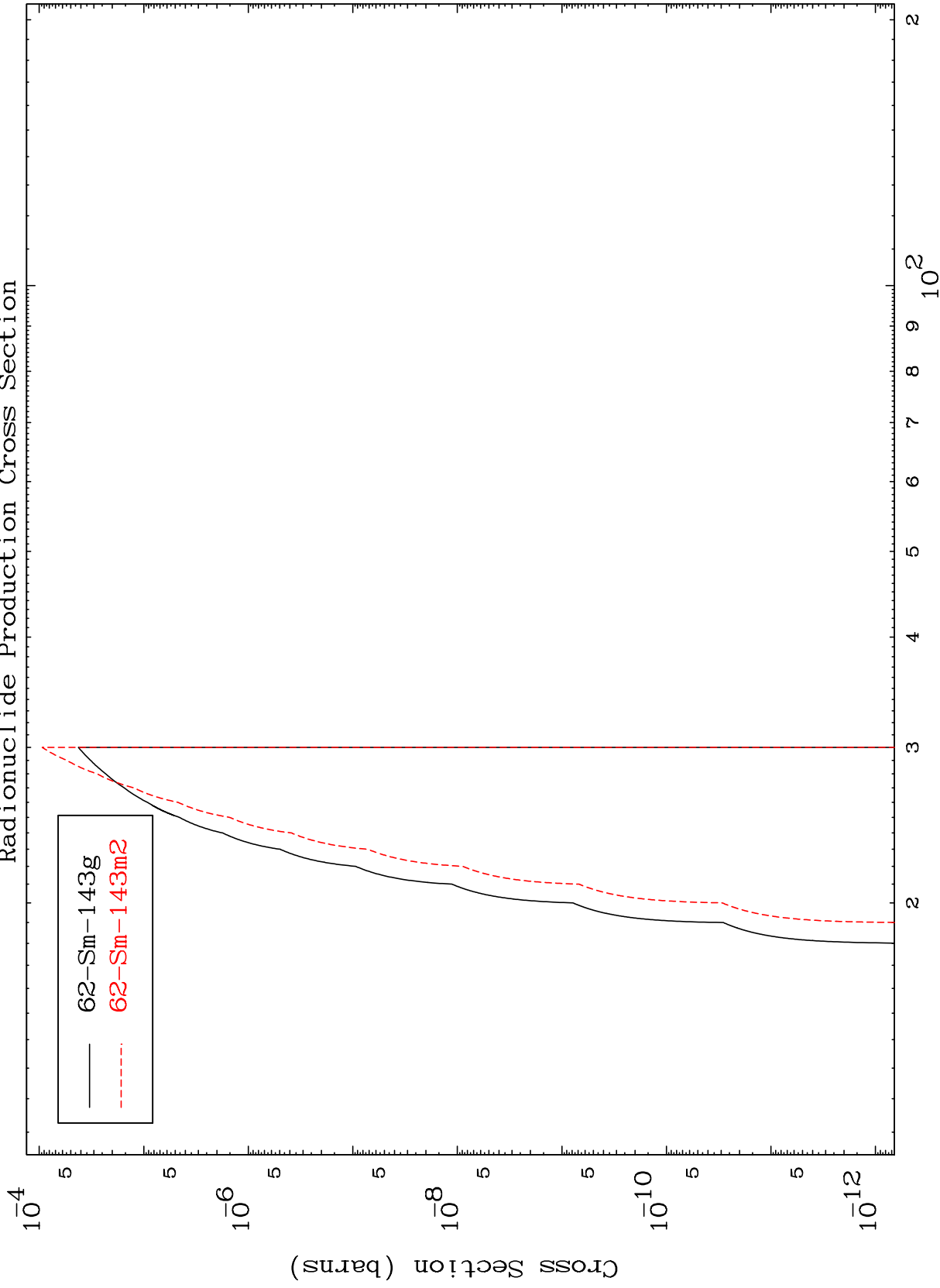
64-Gd-146

MAT 6407

(n,p) t

64-Gd-146

Radionuclide Production Cross Section



130

64-Gd-146

64-Gd-146