

Program EVALPLOT  
(Version 2021-1)

by

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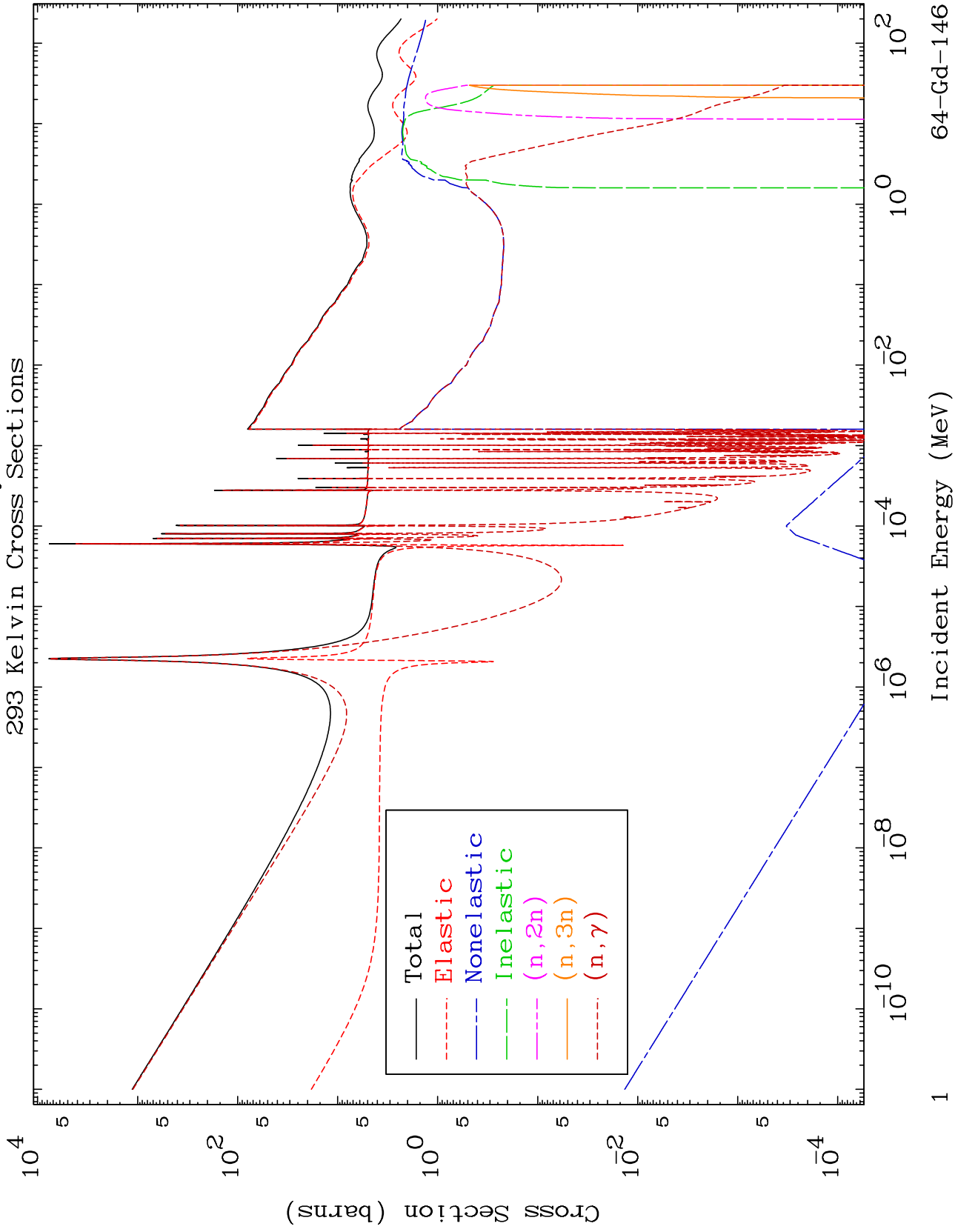
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6407

Neutron Major  
293 Kelvin Cross Sections

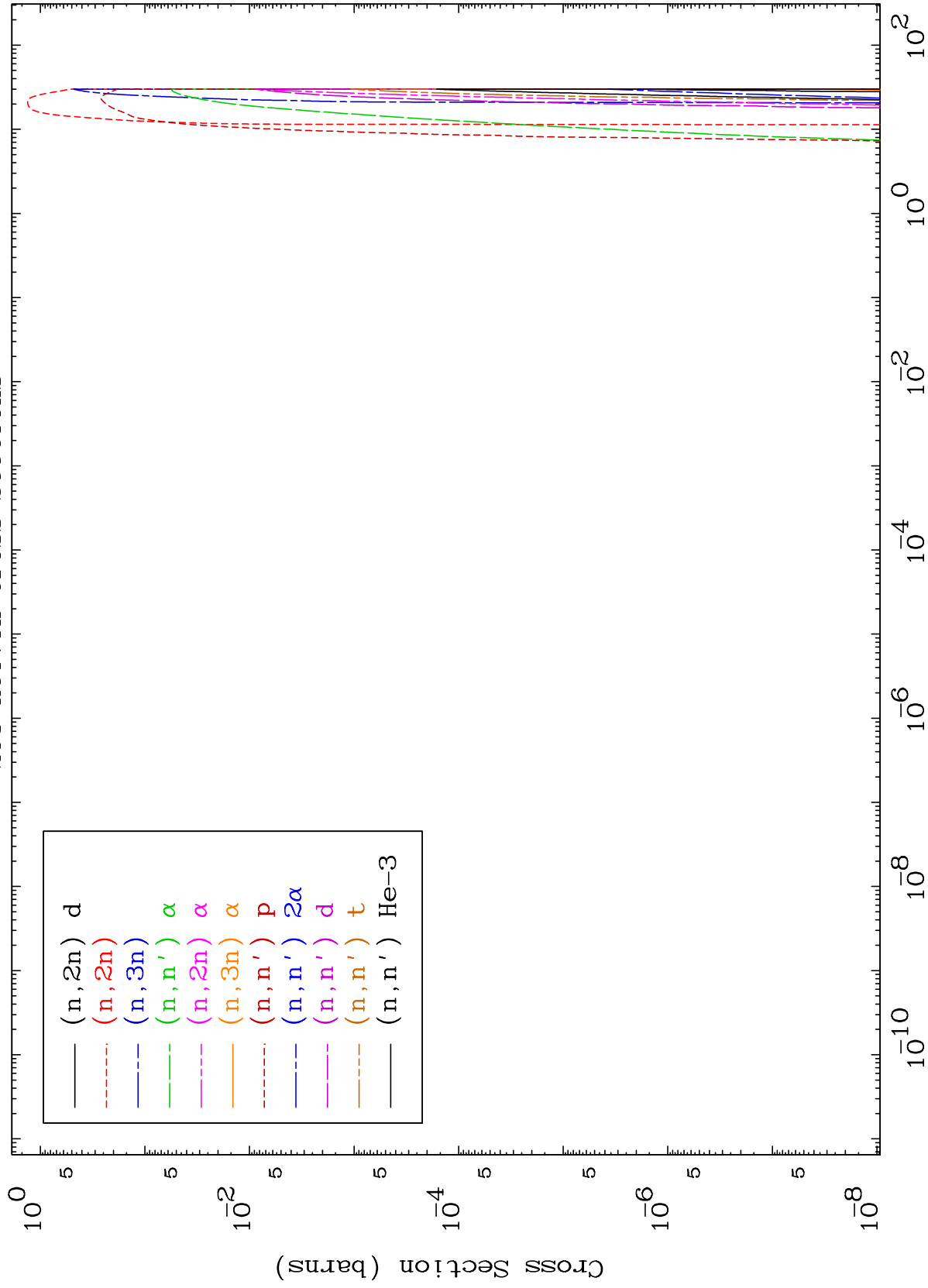
64-Gd-146



MAT 6407

Neutron Absorption  
293 Kelvin Cross Sections

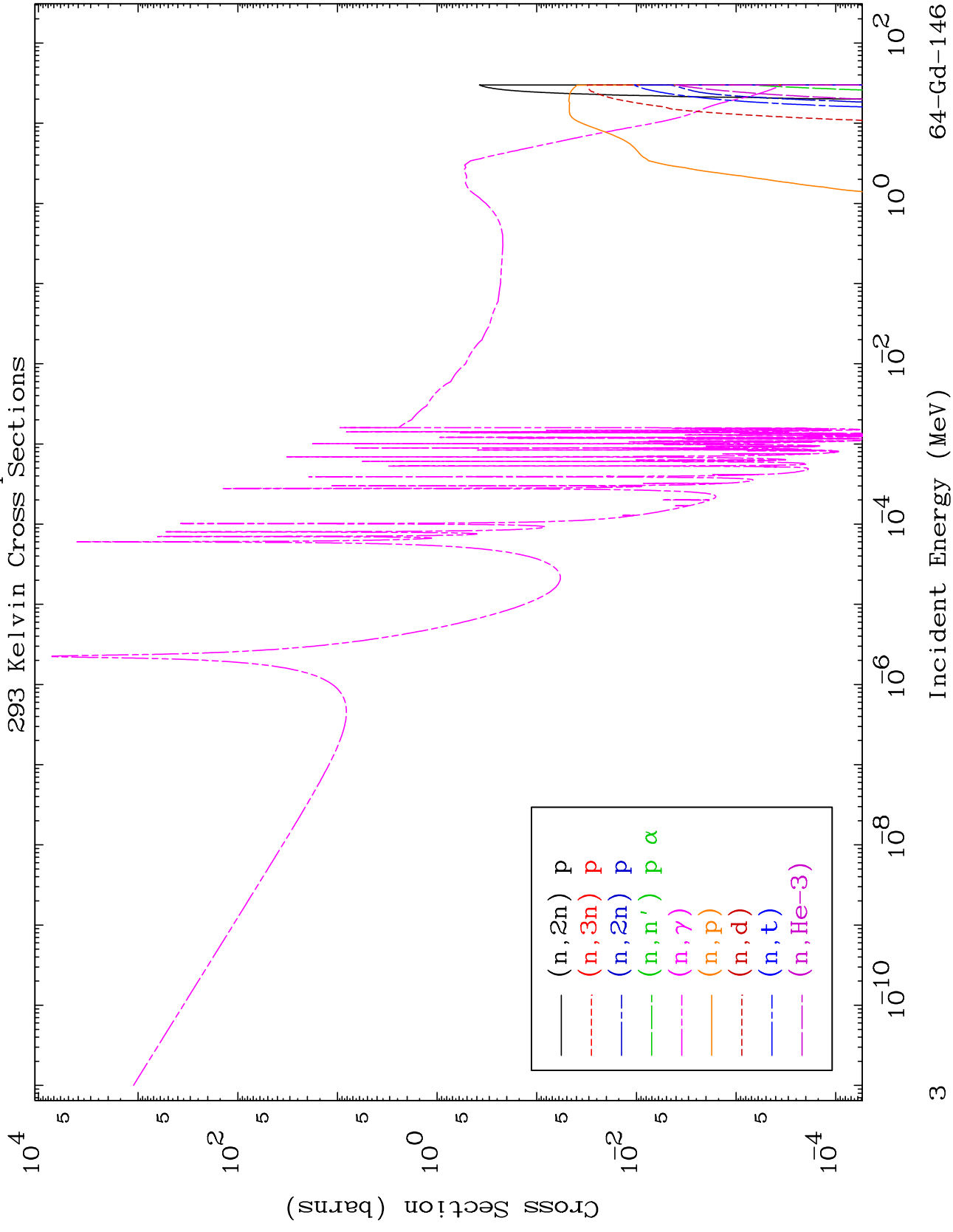
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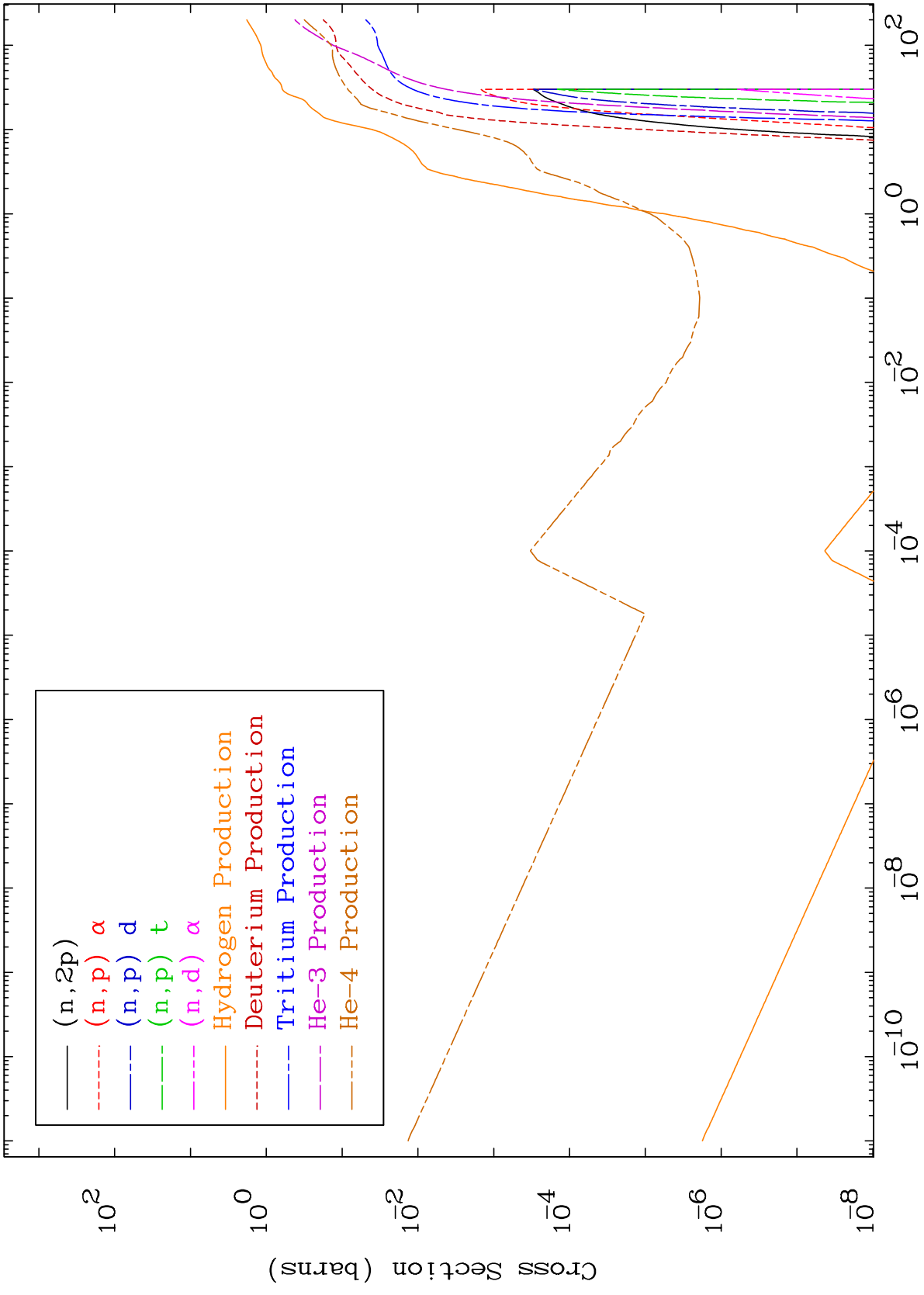


MAT 6407

Neutron Absorption  
293 Kelvin Cross Sections

64-Gd-146

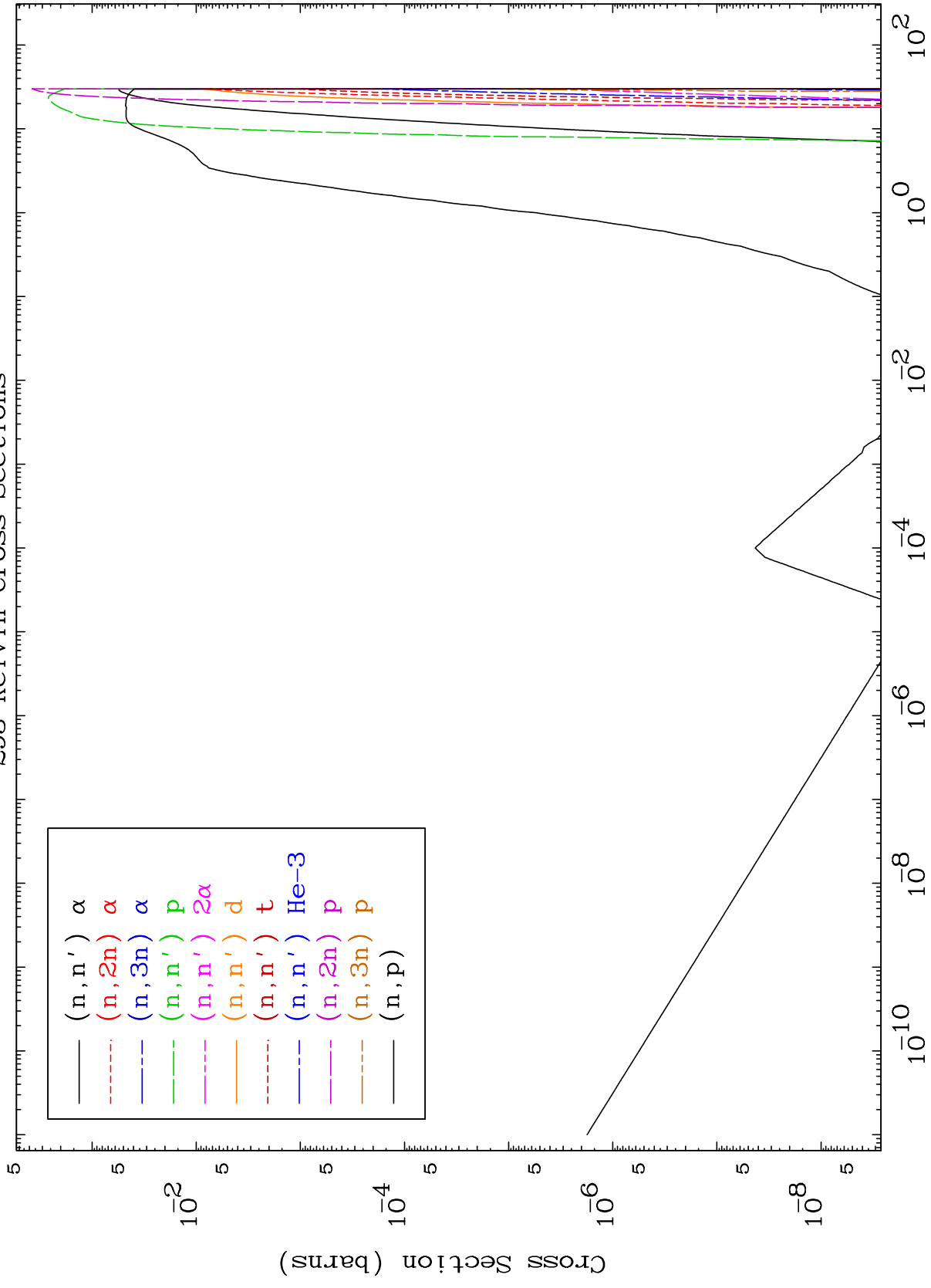




MAT 6407

293 Kelvin Charged Particle Cross Sections

64-Gd-146



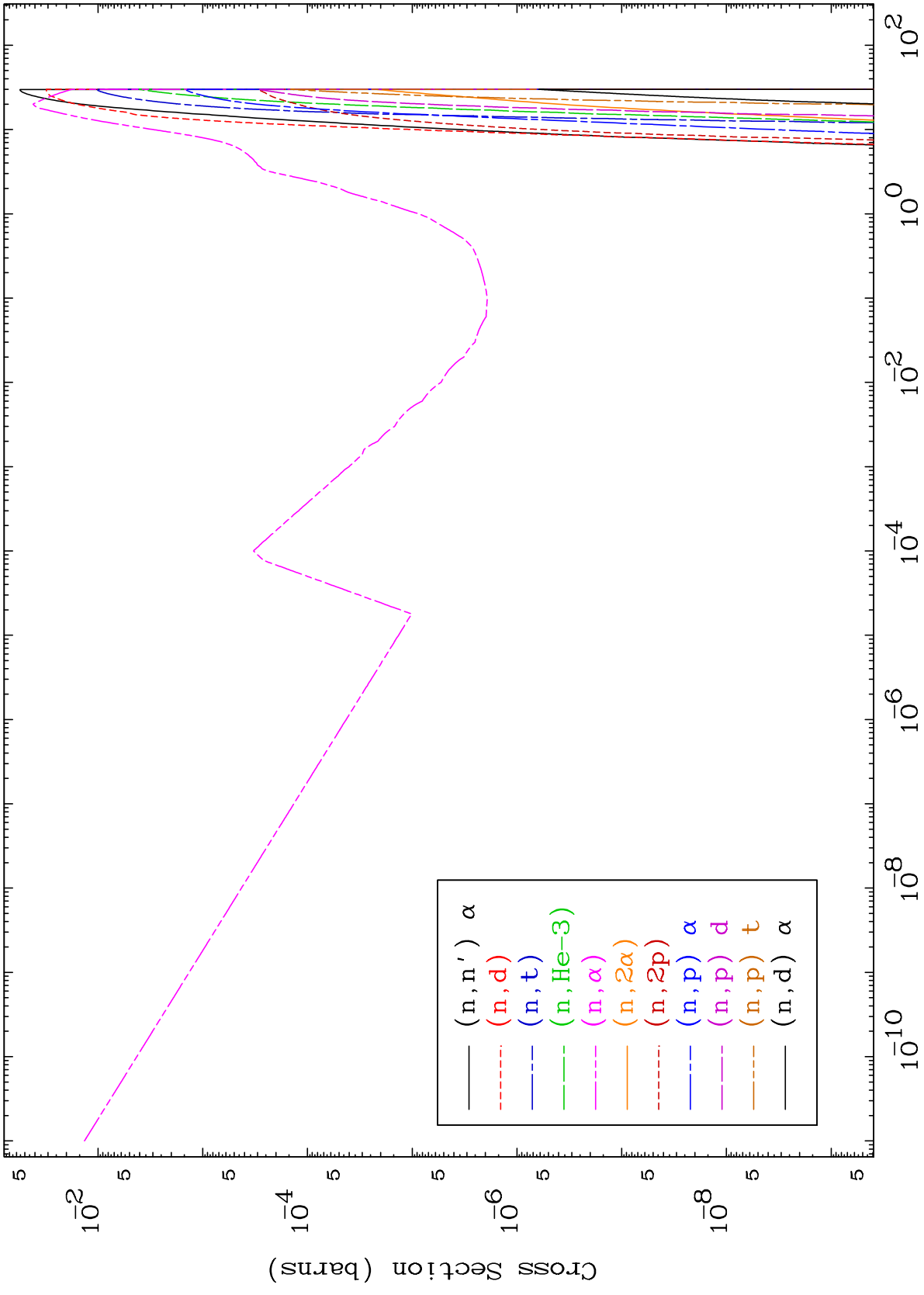
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64-Gd-146

MAT 6407

293 Kelvin Cross Sections

64-Gd-146

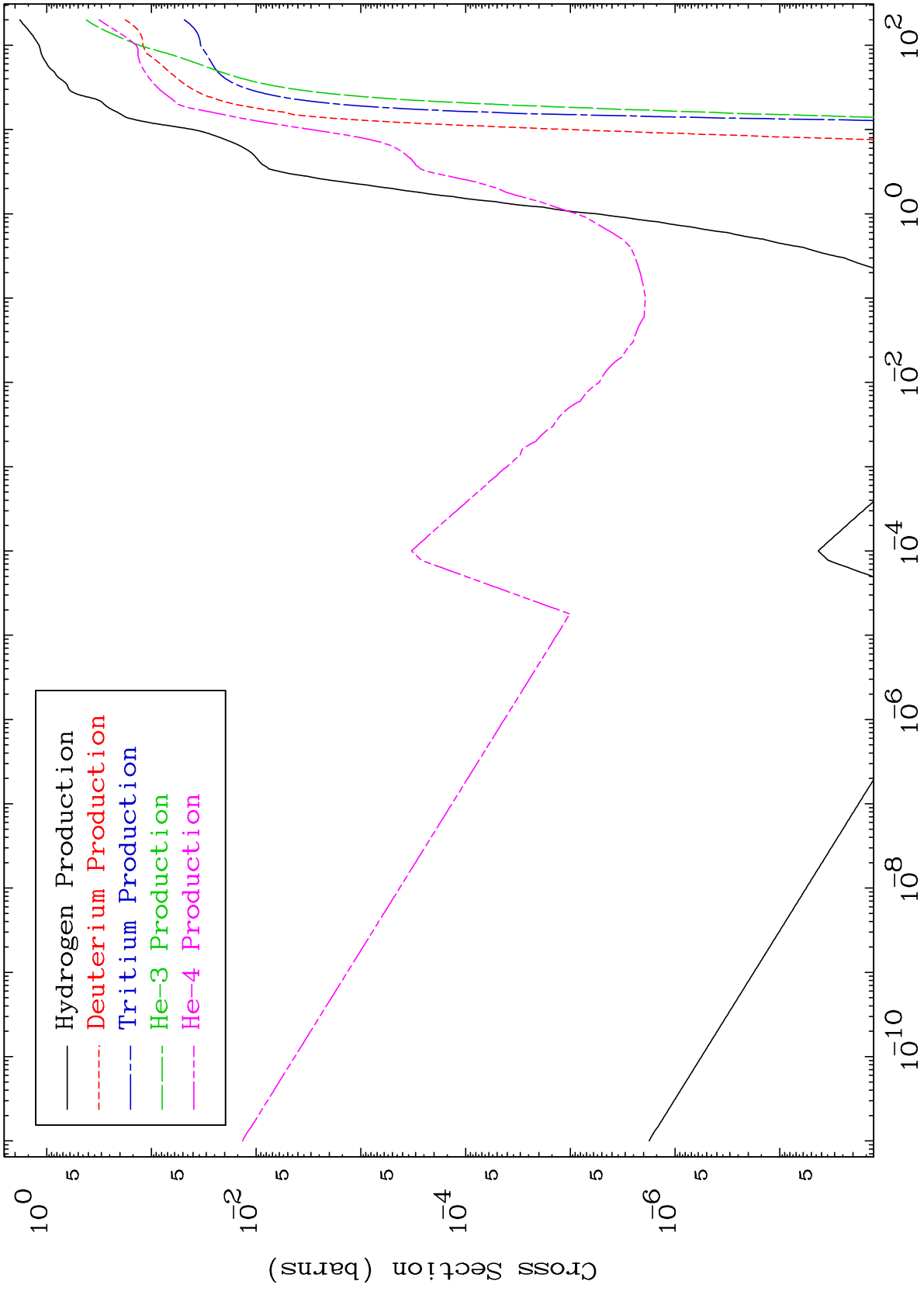


64-Gd-146

MAT 6407

Particle Production  
293 Kelvin Cross Sections

64-Gd-146



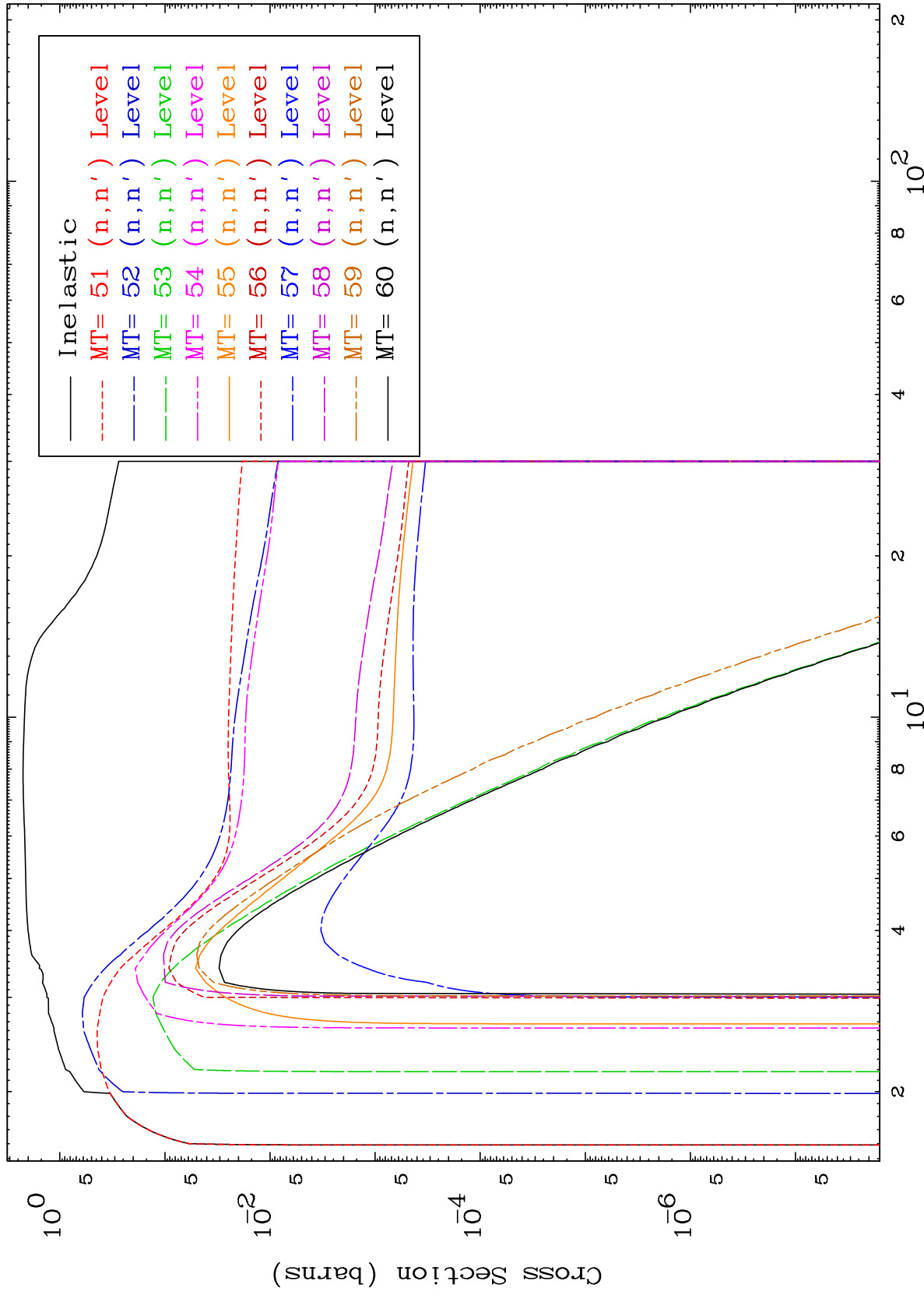
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MAT 6407

(n,n') Levels

293 Kelvin Cross Sections

64-Gd-146



8

Incident Energy (MeV)

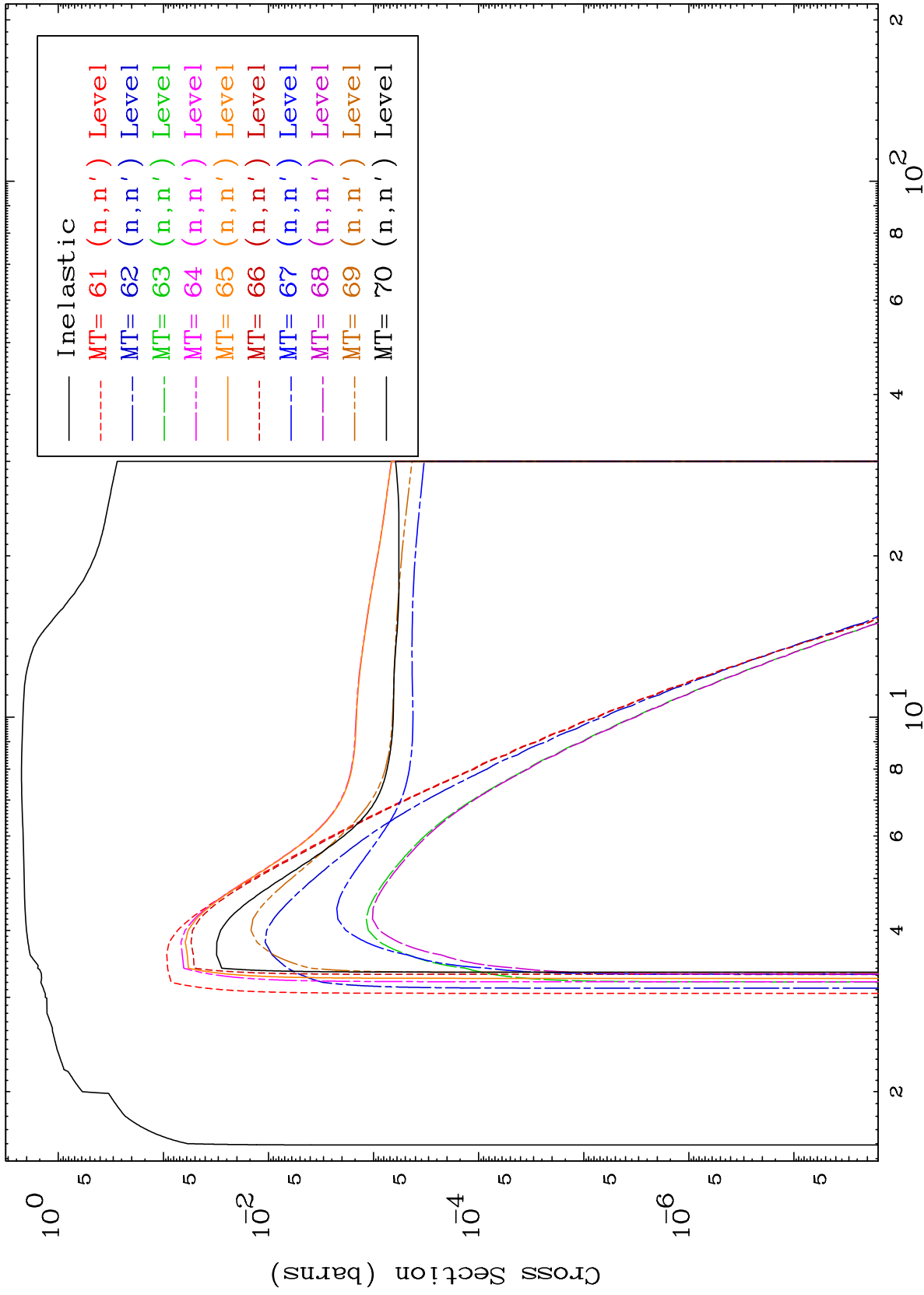
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MAT 6407

(n,n') Levels

64-Gd-146

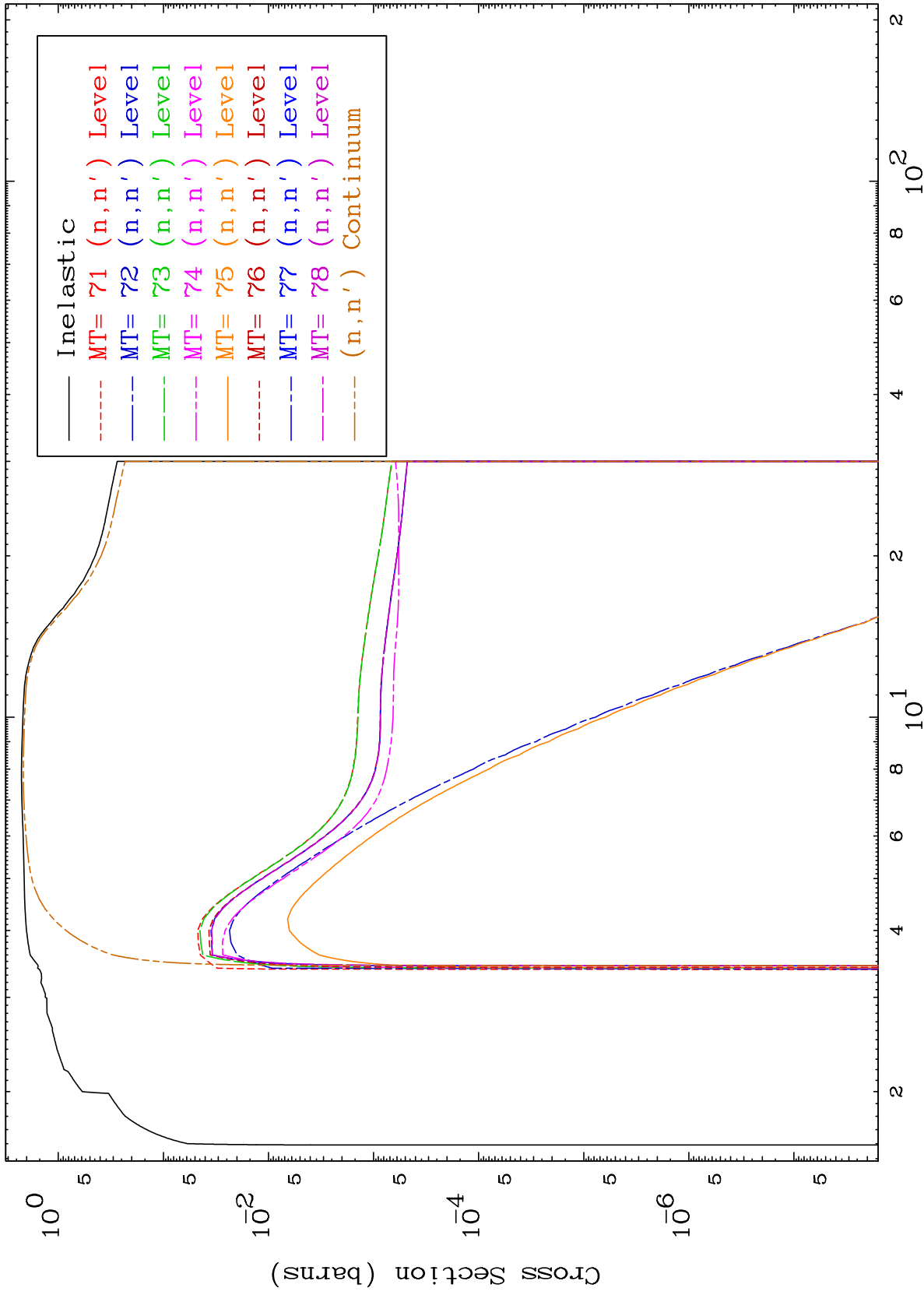
293 Kelvin Cross Sections



MAT 6407

(n,n') Levels  
293 Kelvin Cross Sections

64-Gd-146



10

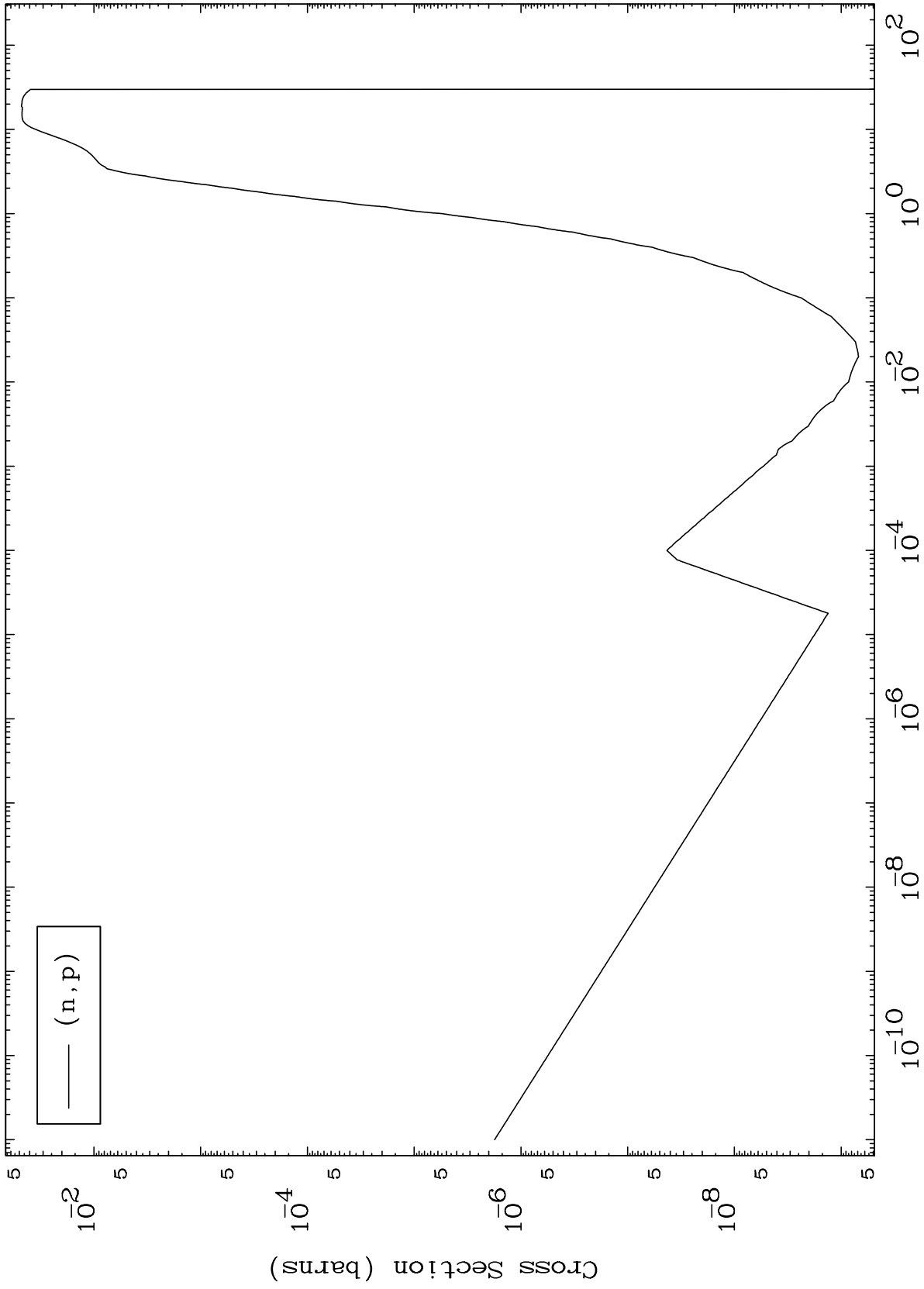
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,p) Levels  
293 Kelvin Cross Sections

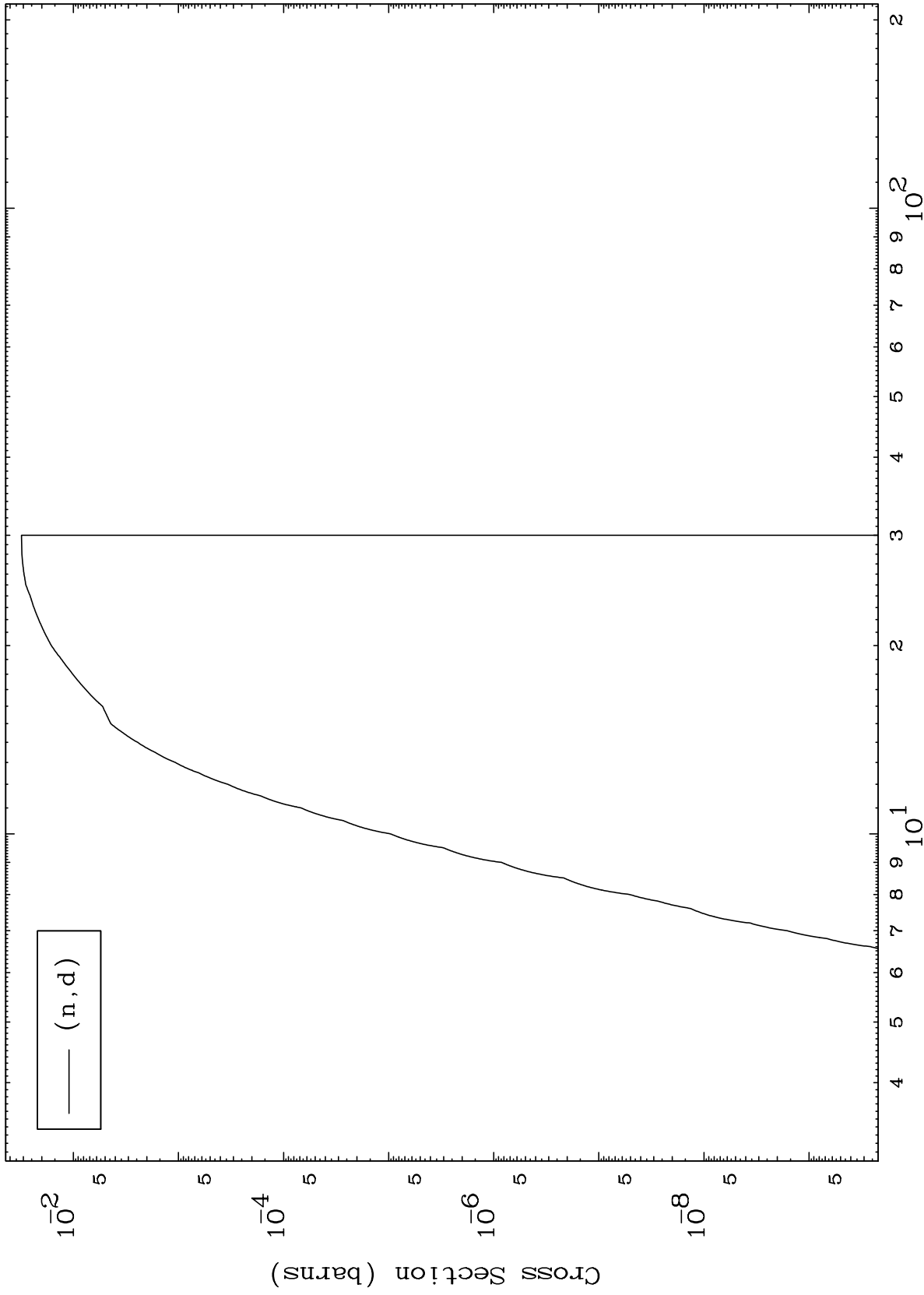
64-Gd-146



MAT 6407

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-146



12

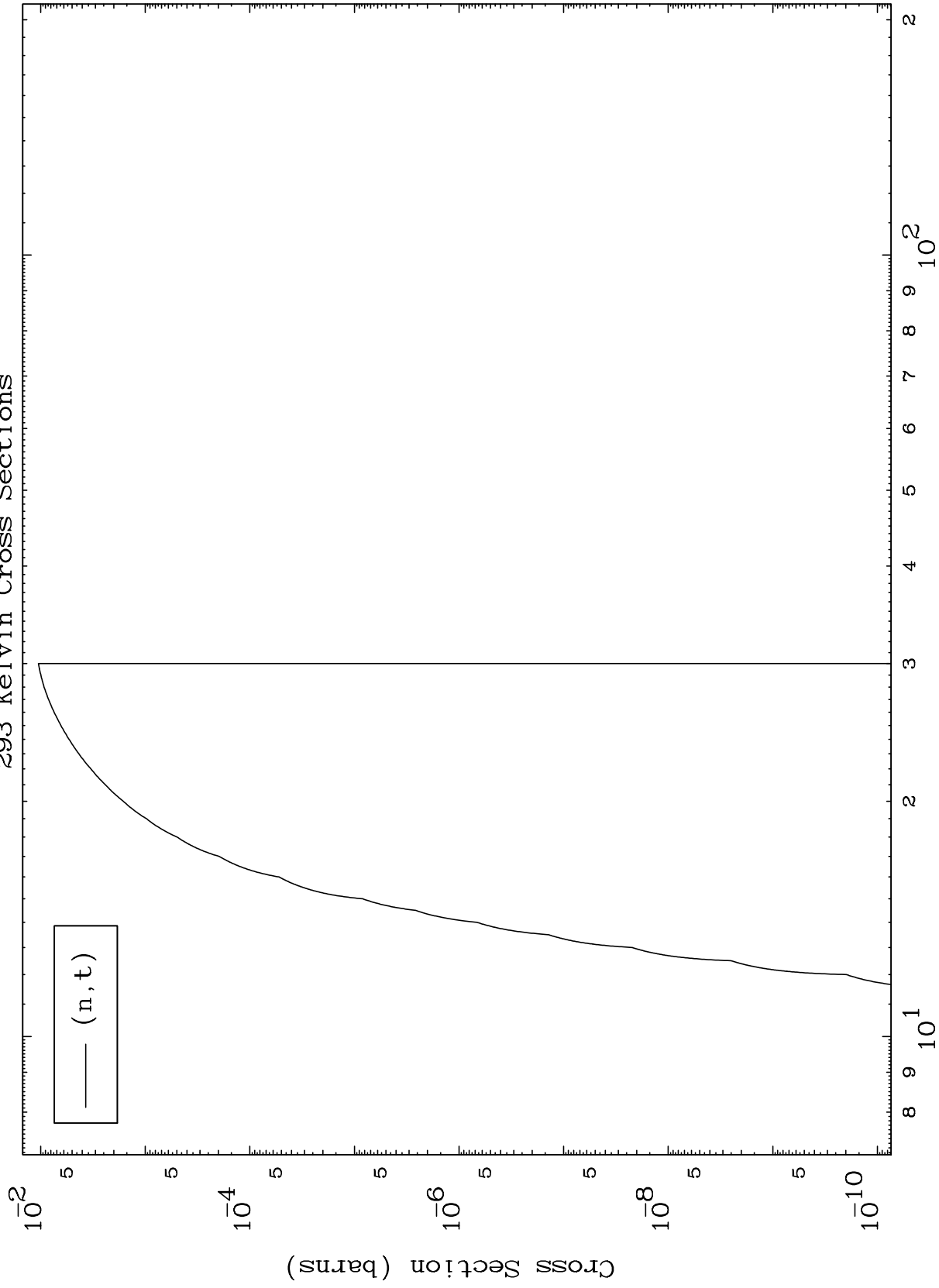
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-146



13

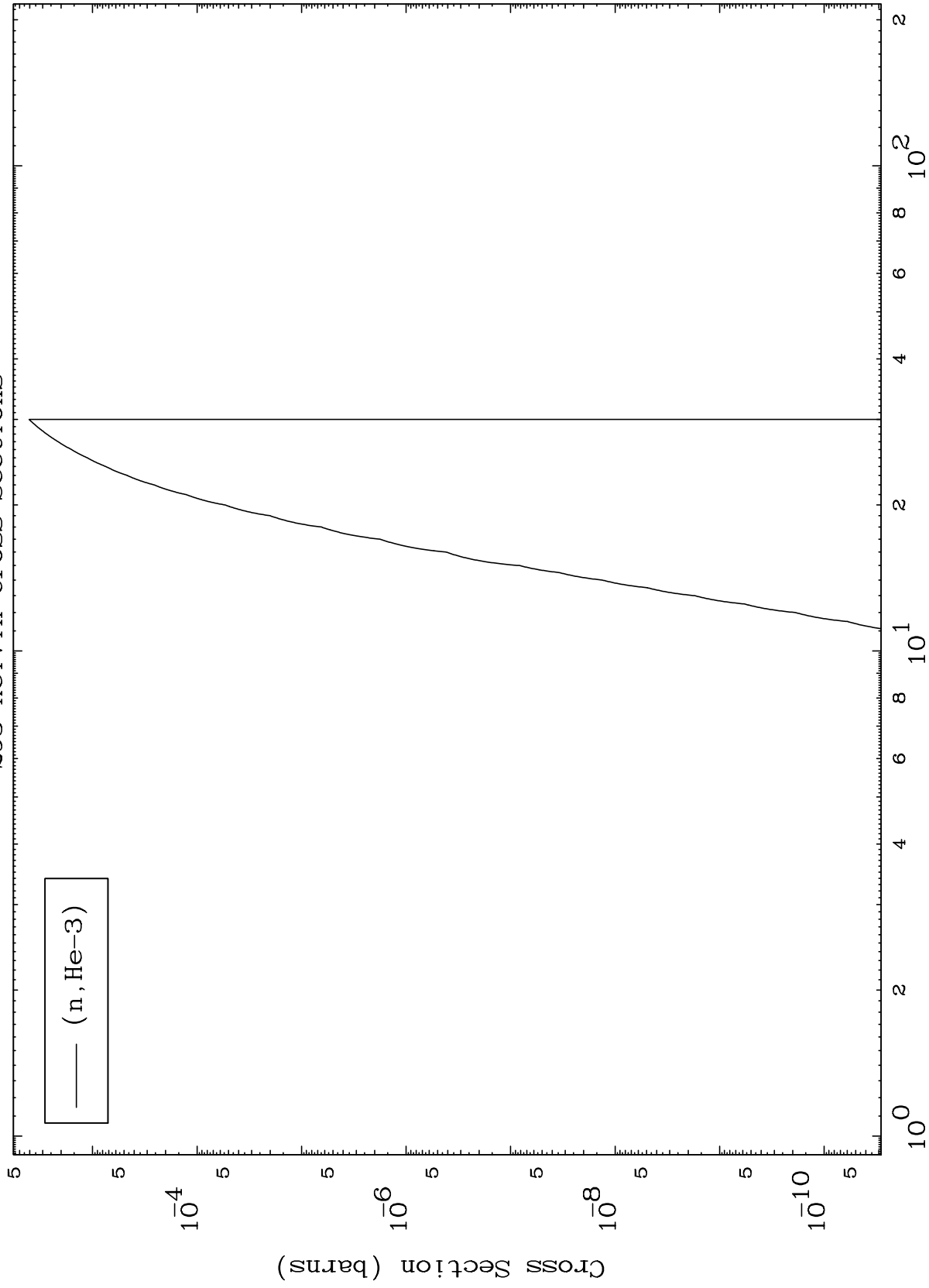
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-146



14

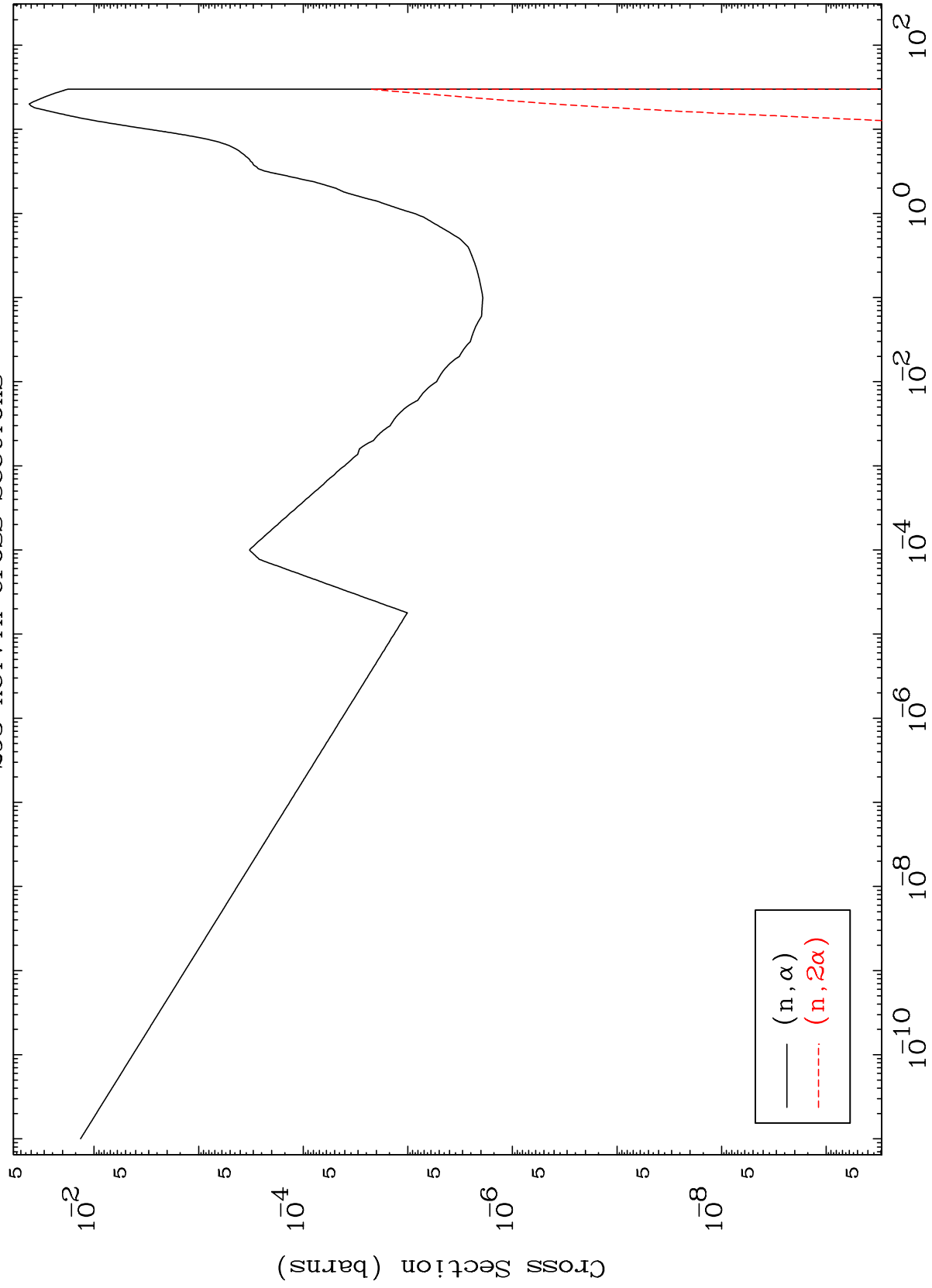
Incident Energy (MeV)

64-Gd-146

MAT 6407

293 Kelvin Cross Sections  
(n,α) Levels

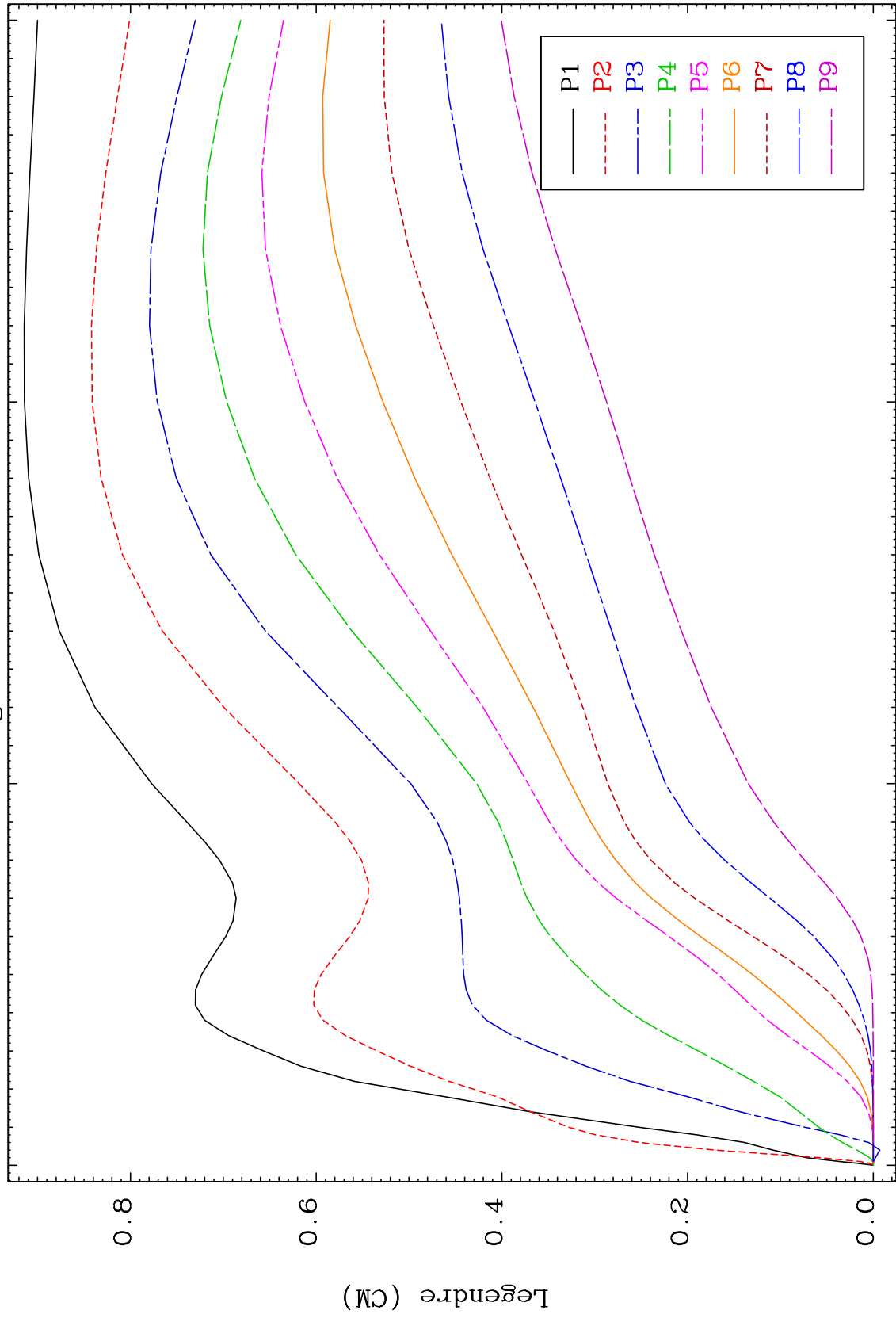
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MAT 6407

Elastic Legendre Coefficients

64-Gd-146



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16

10

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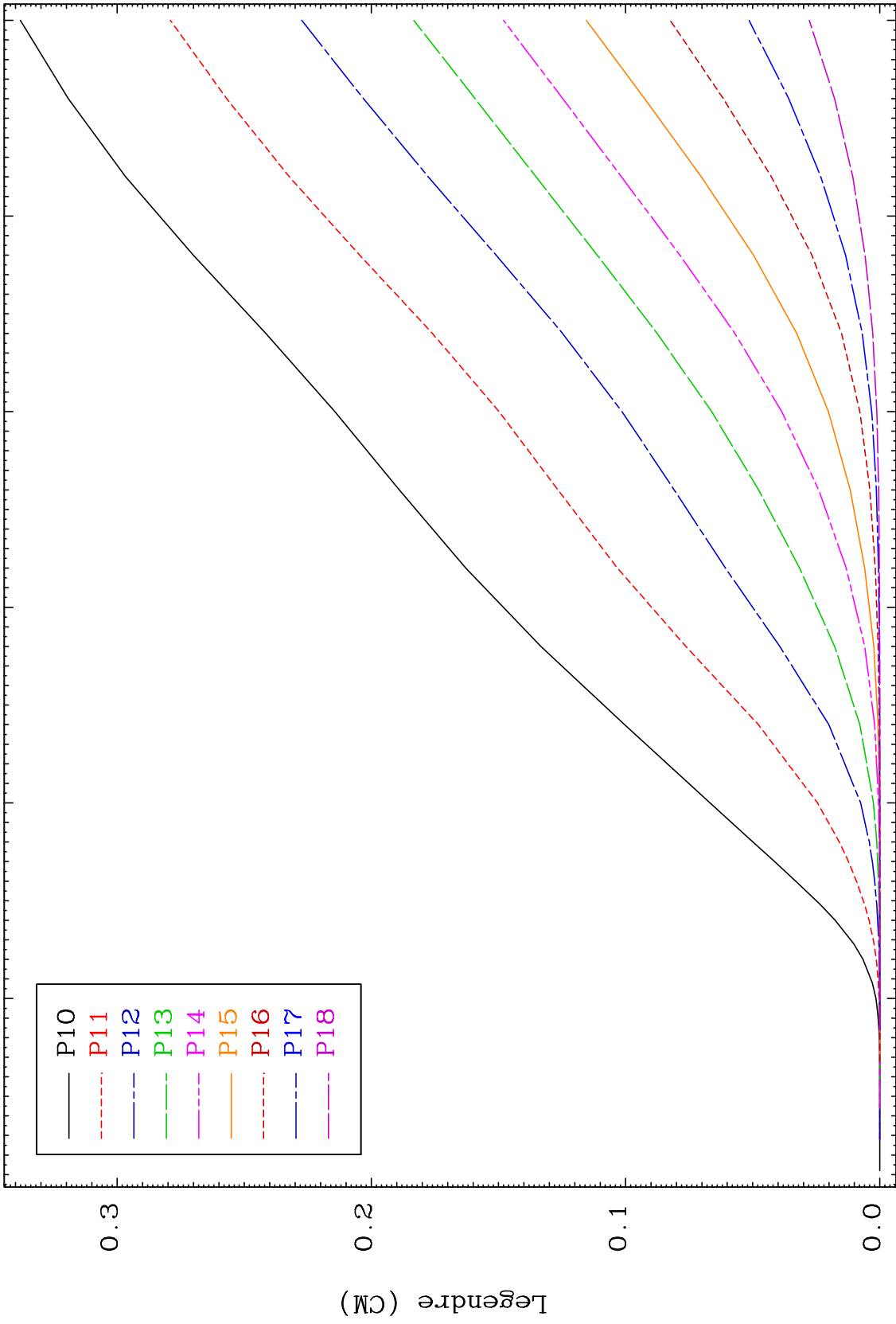
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64-Gd-146

MAT 6407

Elastic Legendre Coefficients

64-Gd-146



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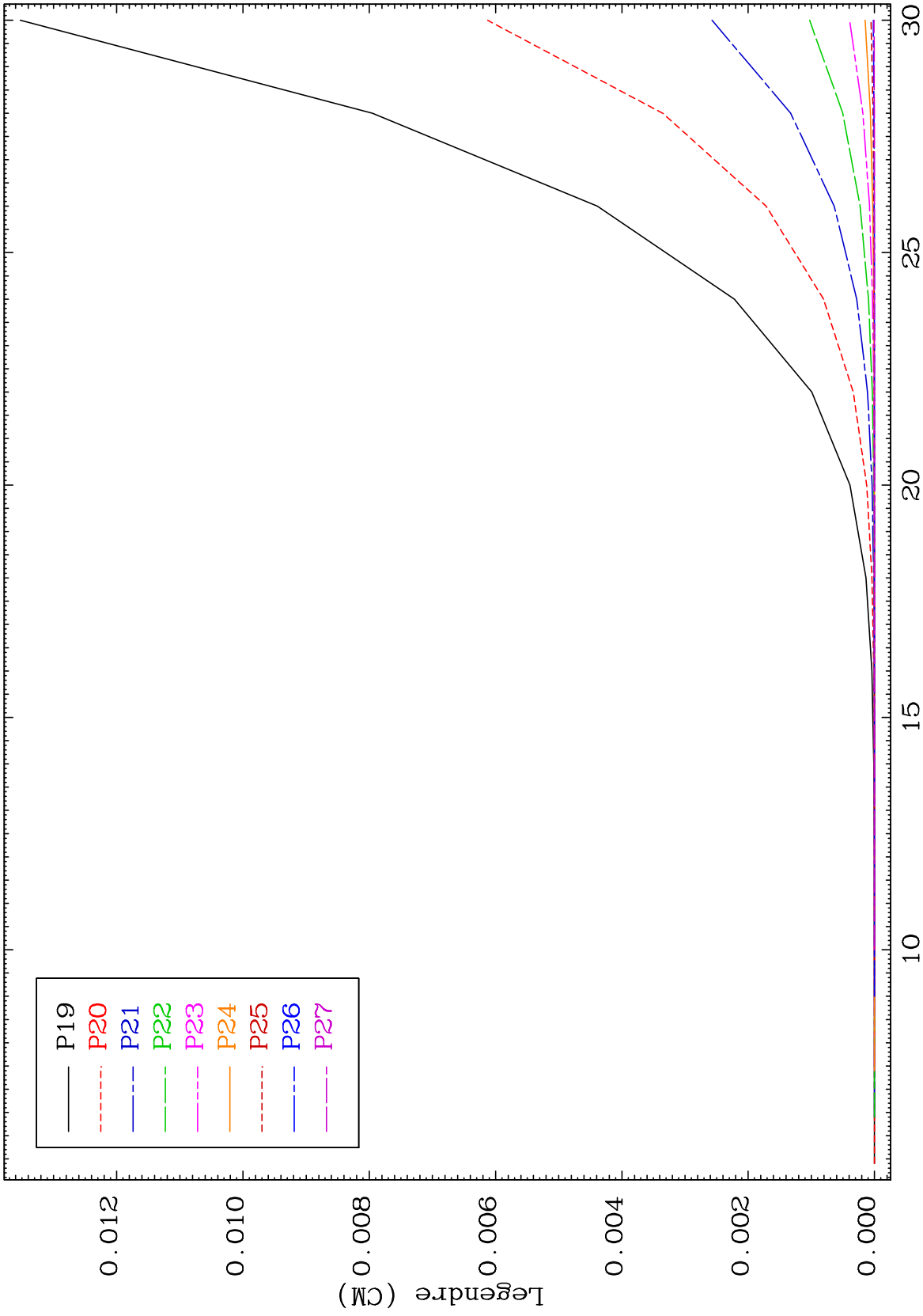
Incident Energy (MeV)

64-Gd-146

MAT 6407

### Elastic Legendre Coefficients

64-Gd-146



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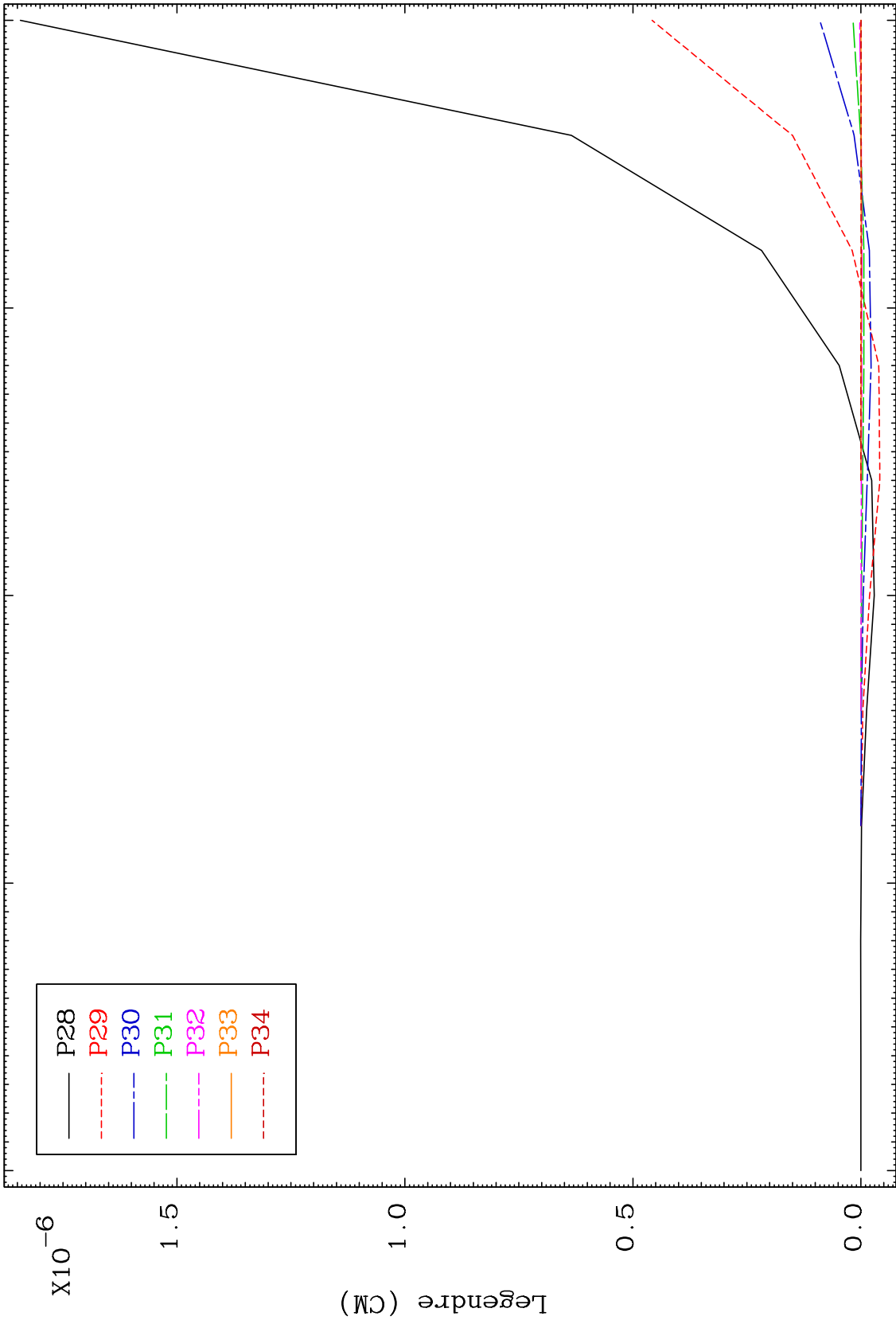
Incident Energy (MeV)

64-Gd-146

MAT 6407

Elastic Legendre Coefficients

64-Gd-146



19

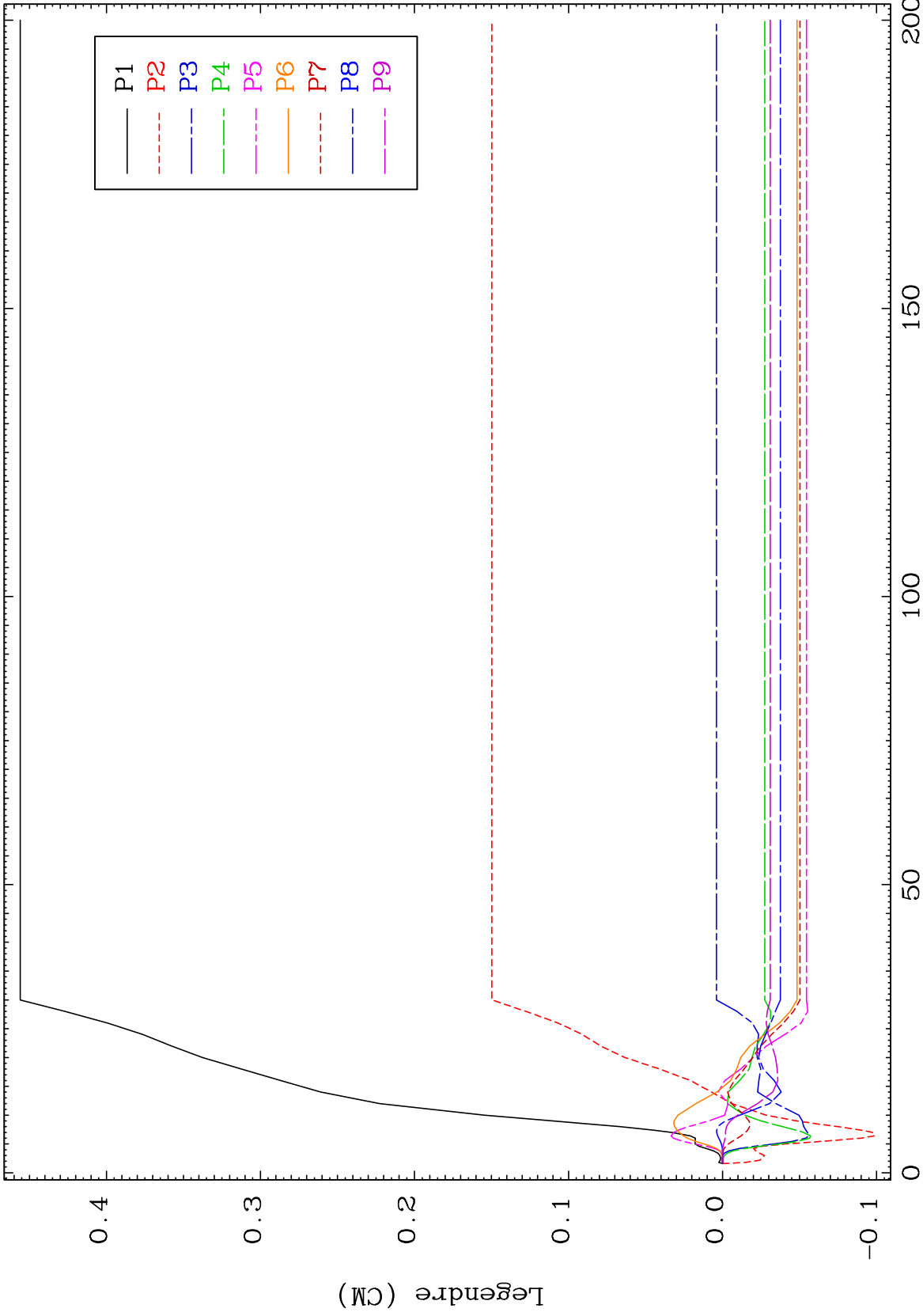
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146

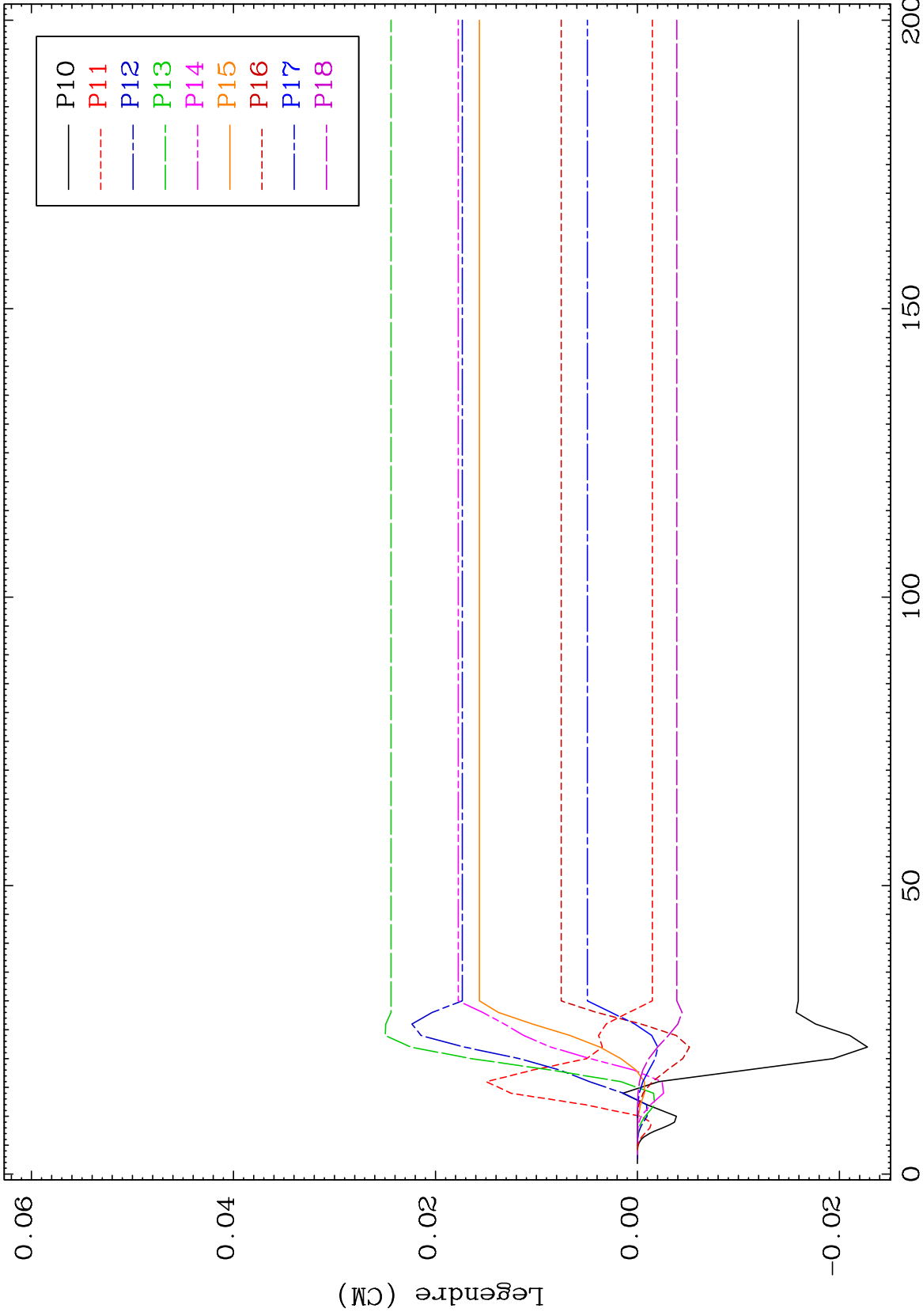


64-Gd-146

MAT 6407

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

64-Gd-146



21

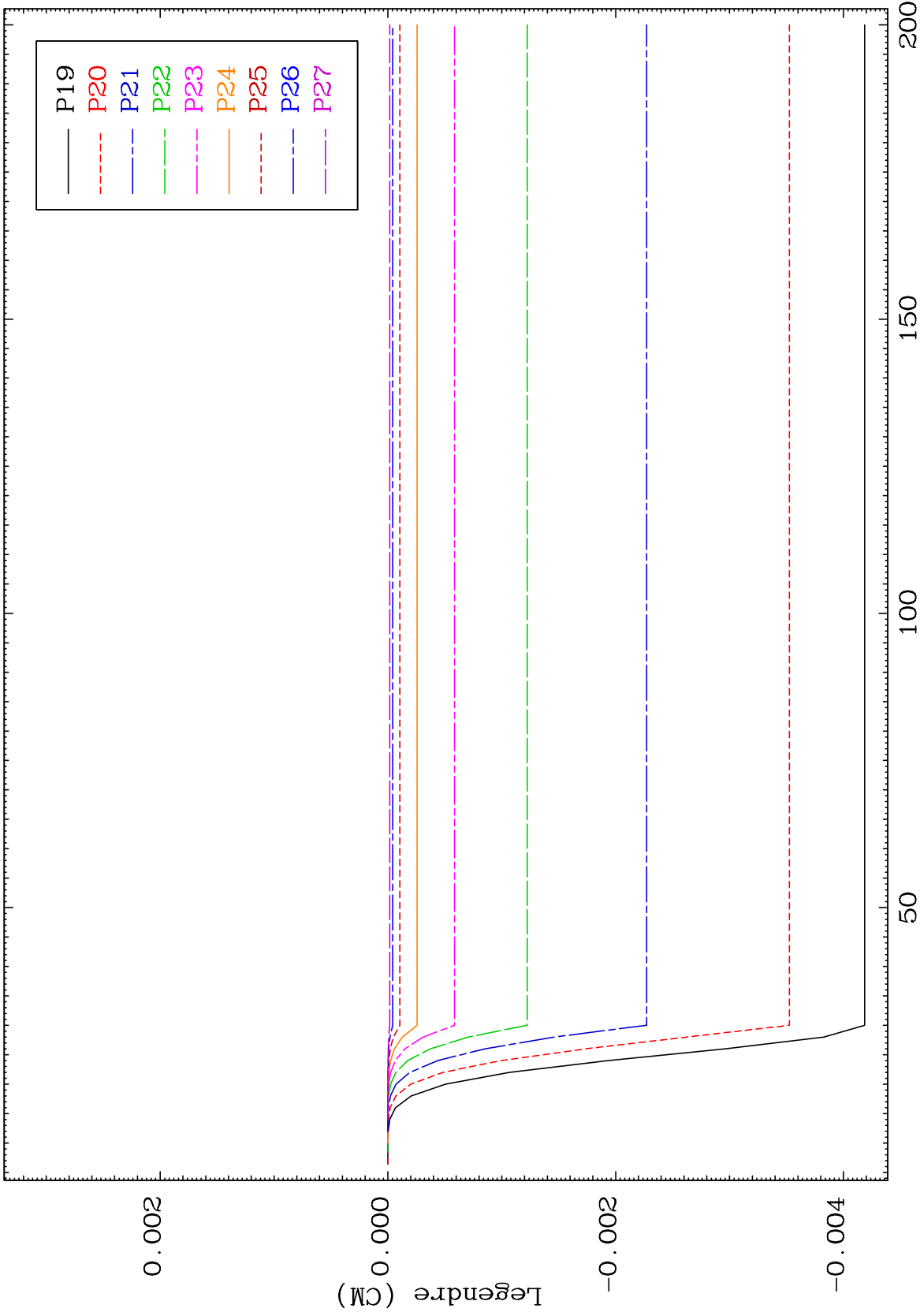
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



22

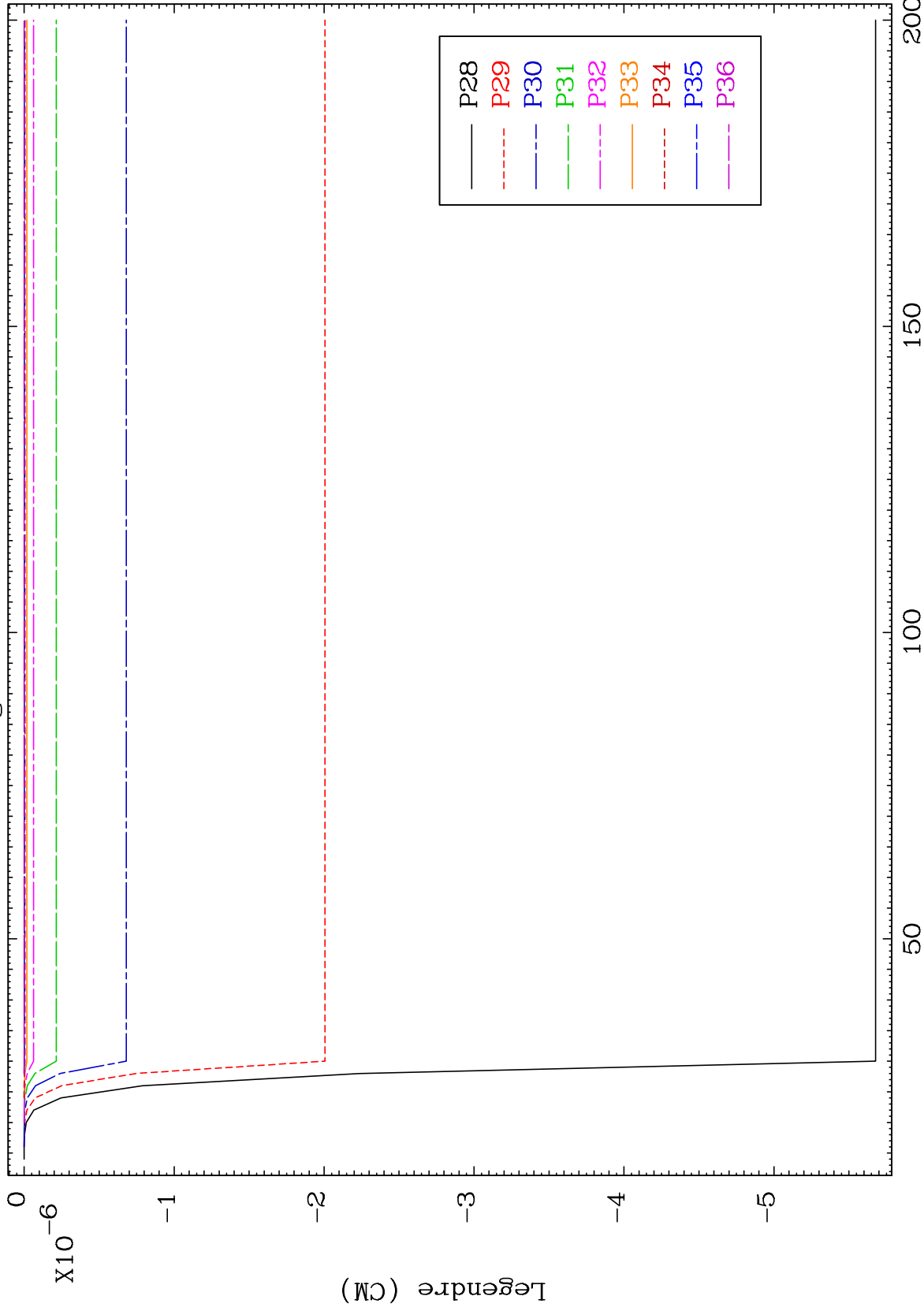
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

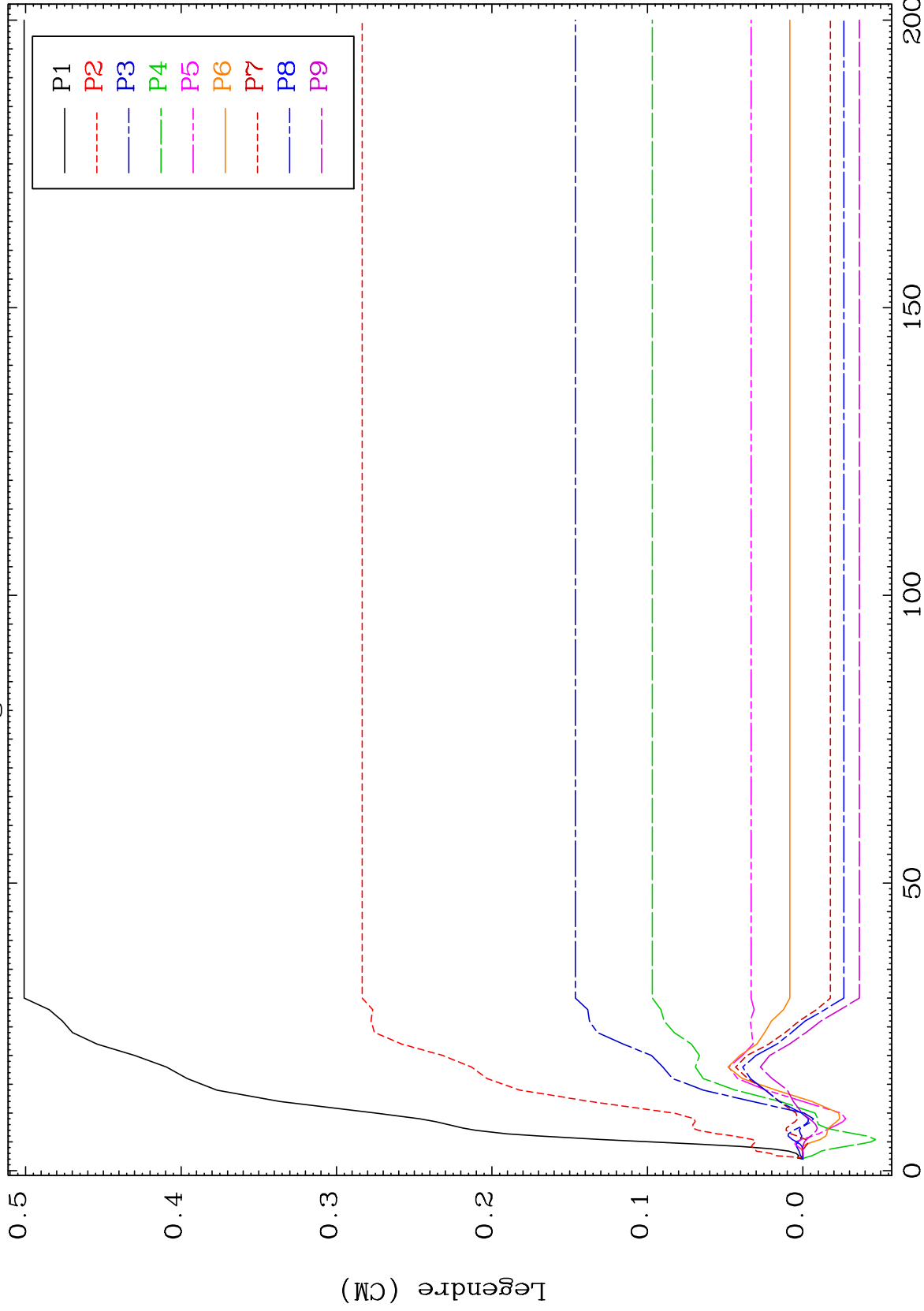
Incident Energy (MeV)

23

MAT 6407

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

64-Gd-146



24

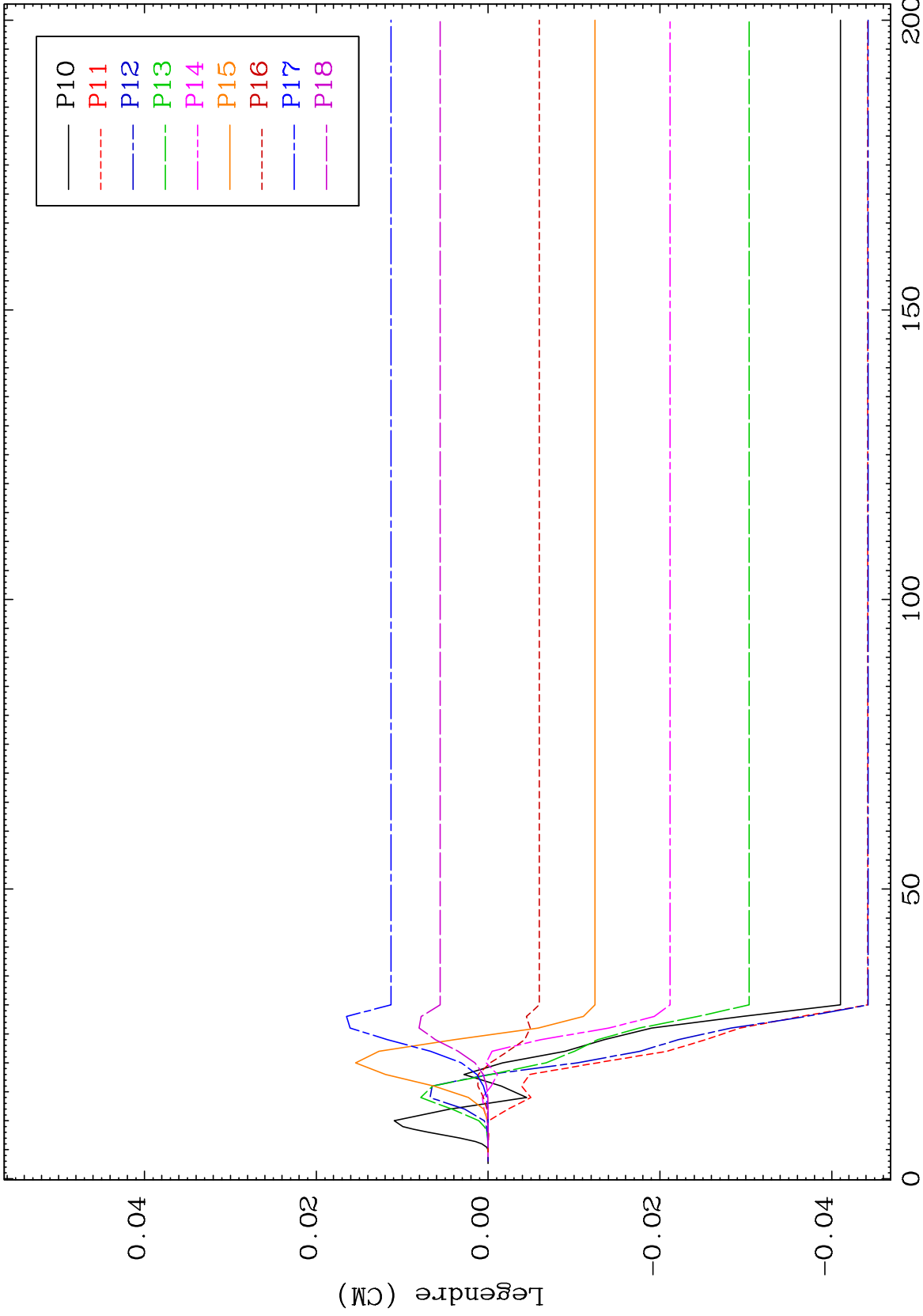
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

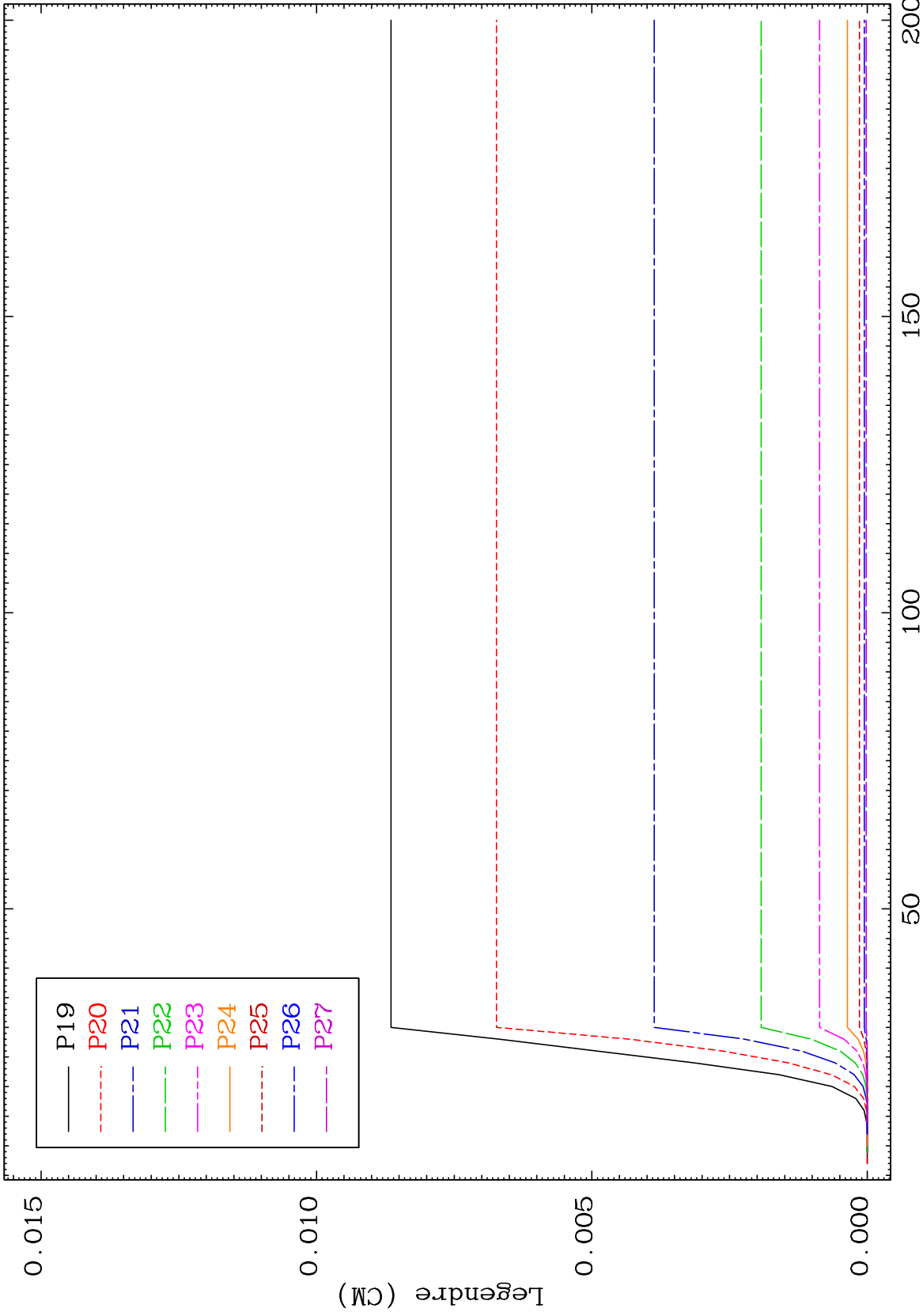
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Incident Energy (MeV)

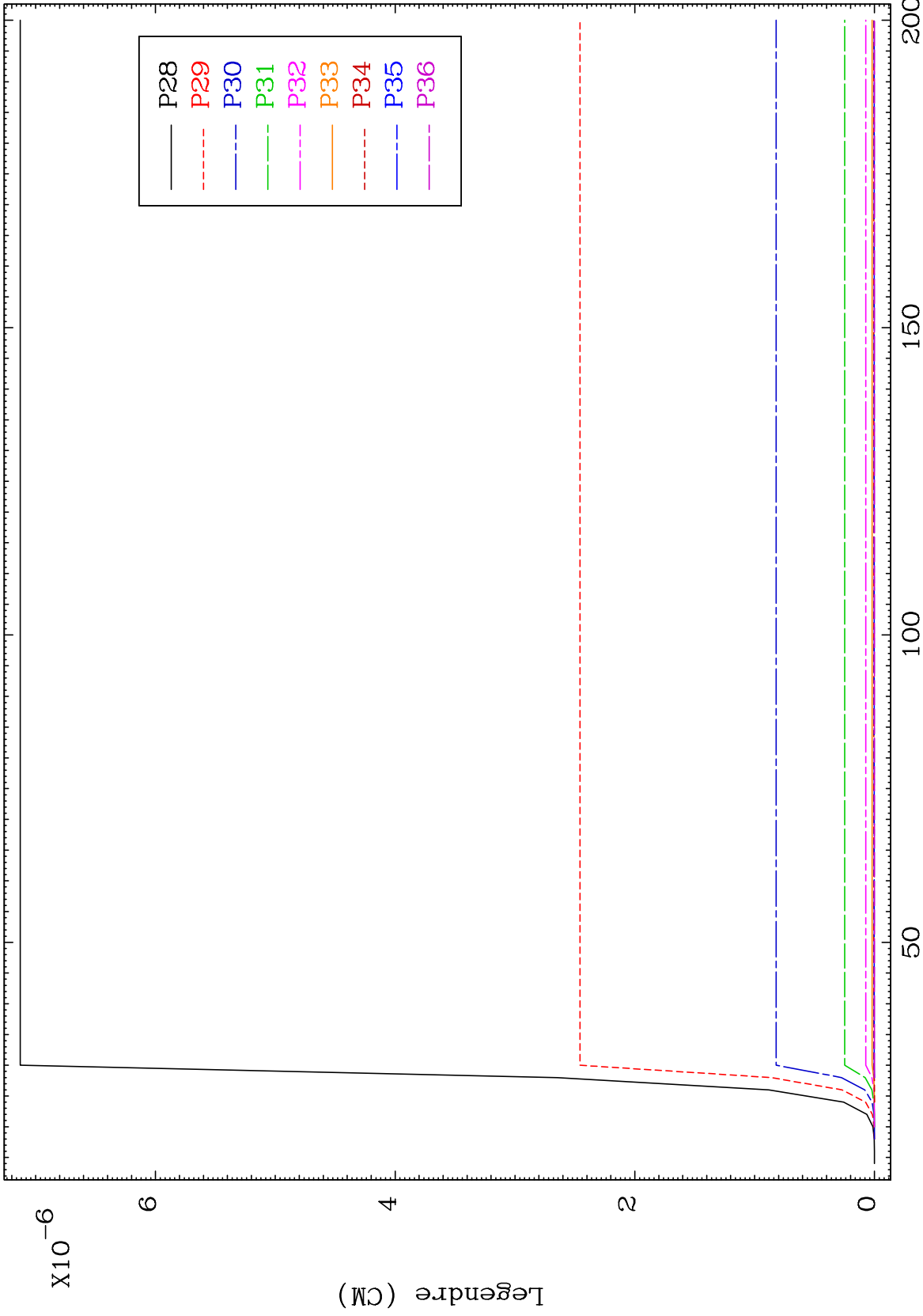
64-Gd-146



MAT 6407

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

64-Gd-146



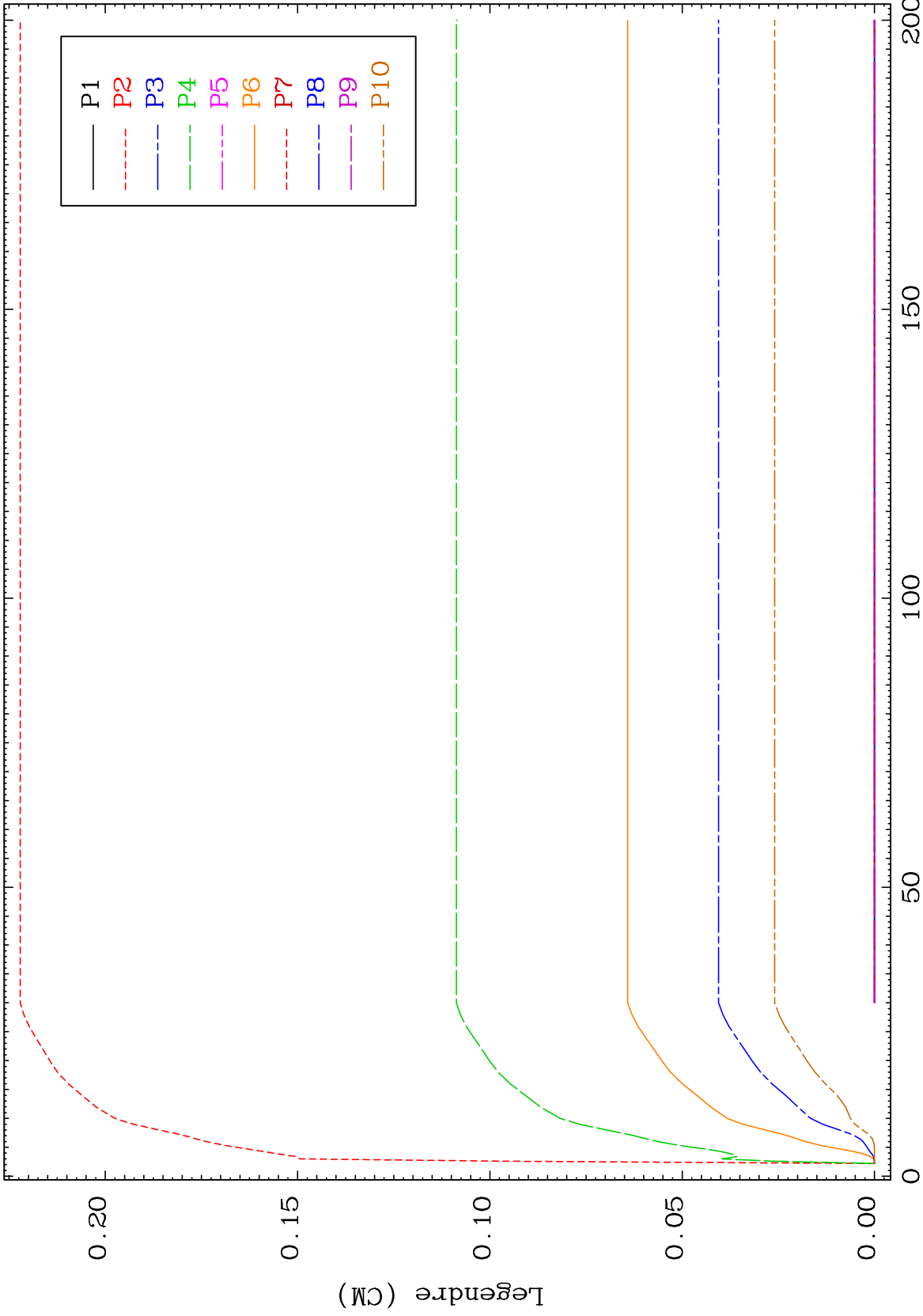
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64-Gd-146

MAT 6407

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

64-Gd-146



28

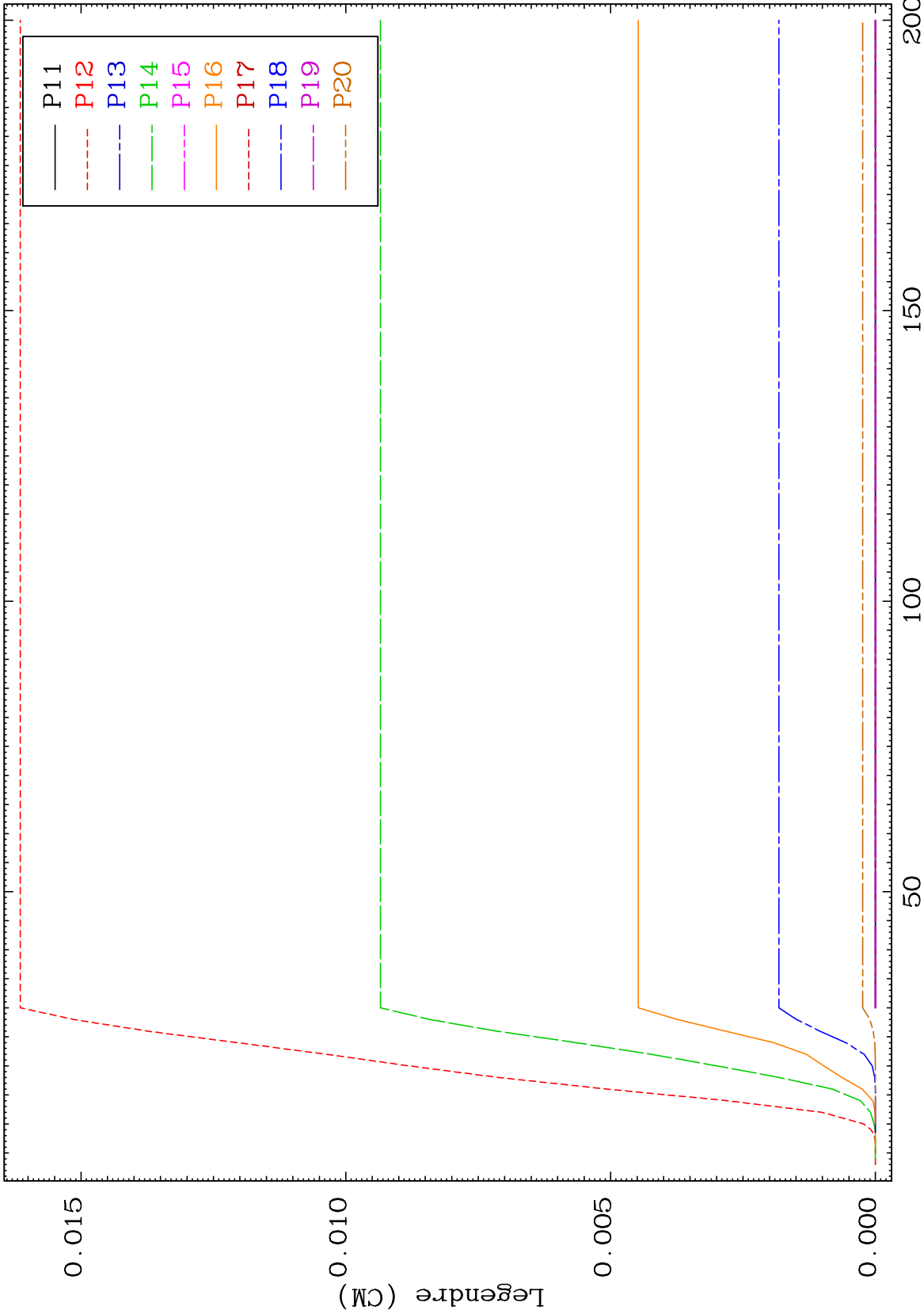
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



29

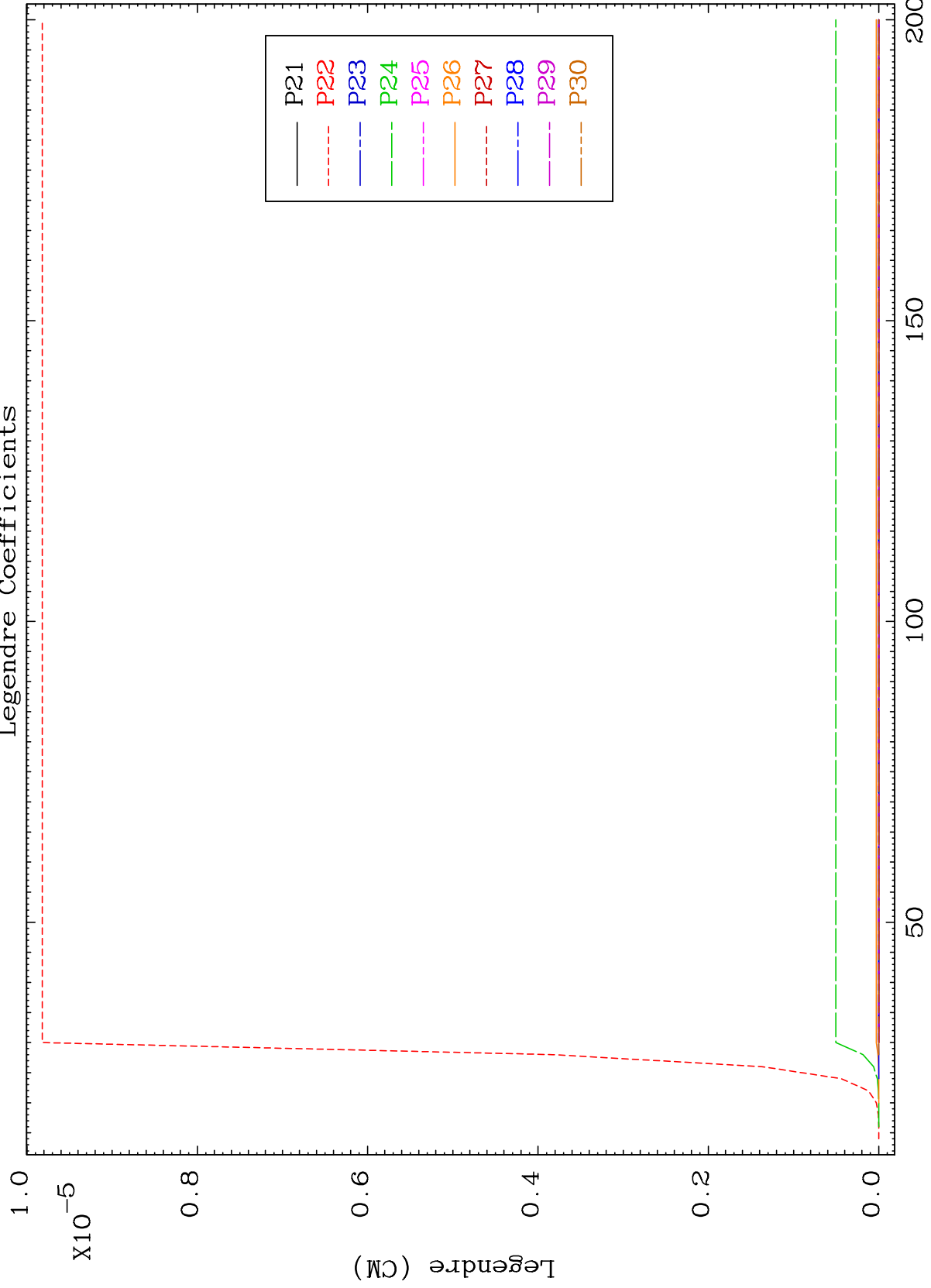
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

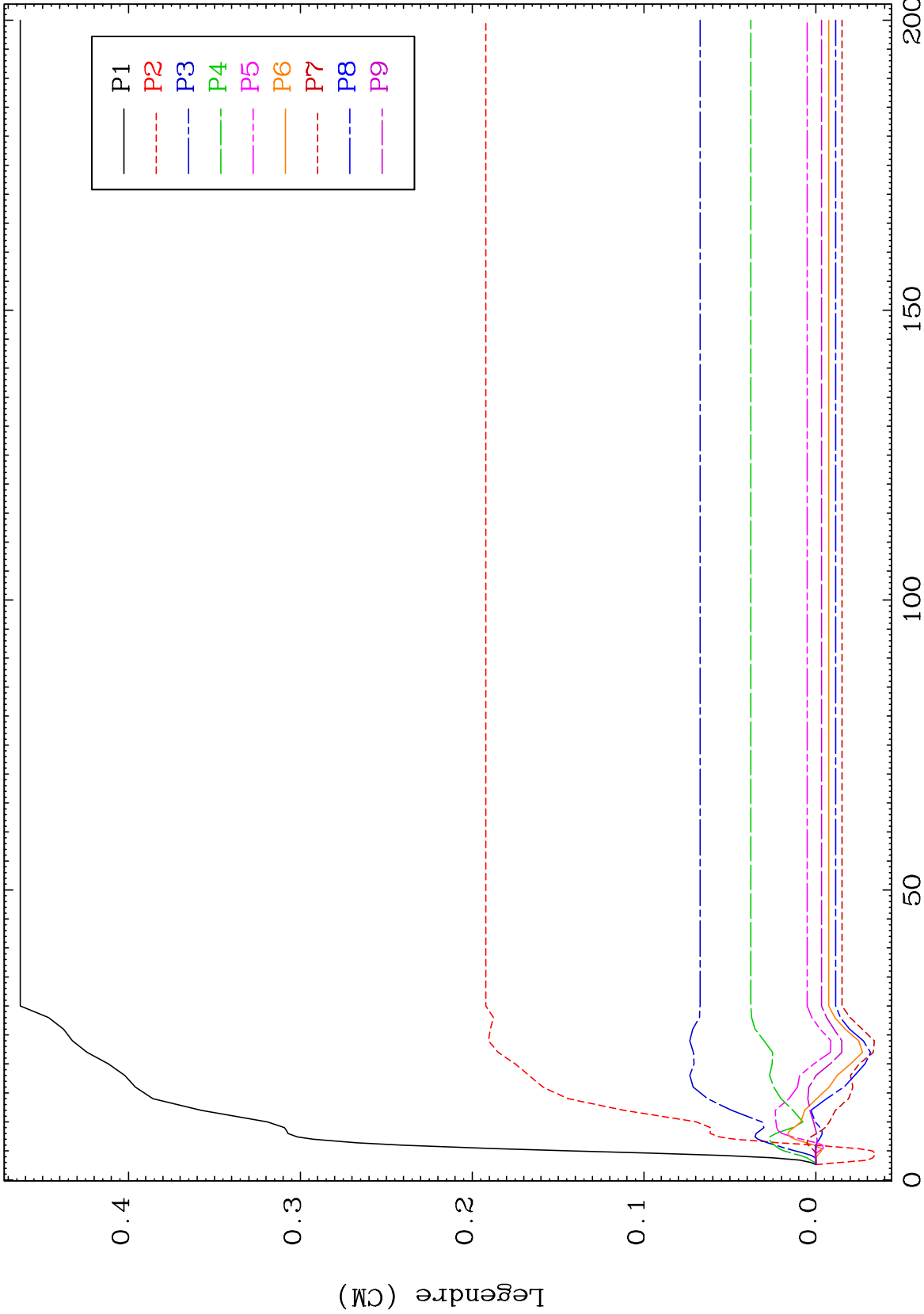
Incident Energy (MeV)

30

MAT 6407

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

64-Gd-146



31

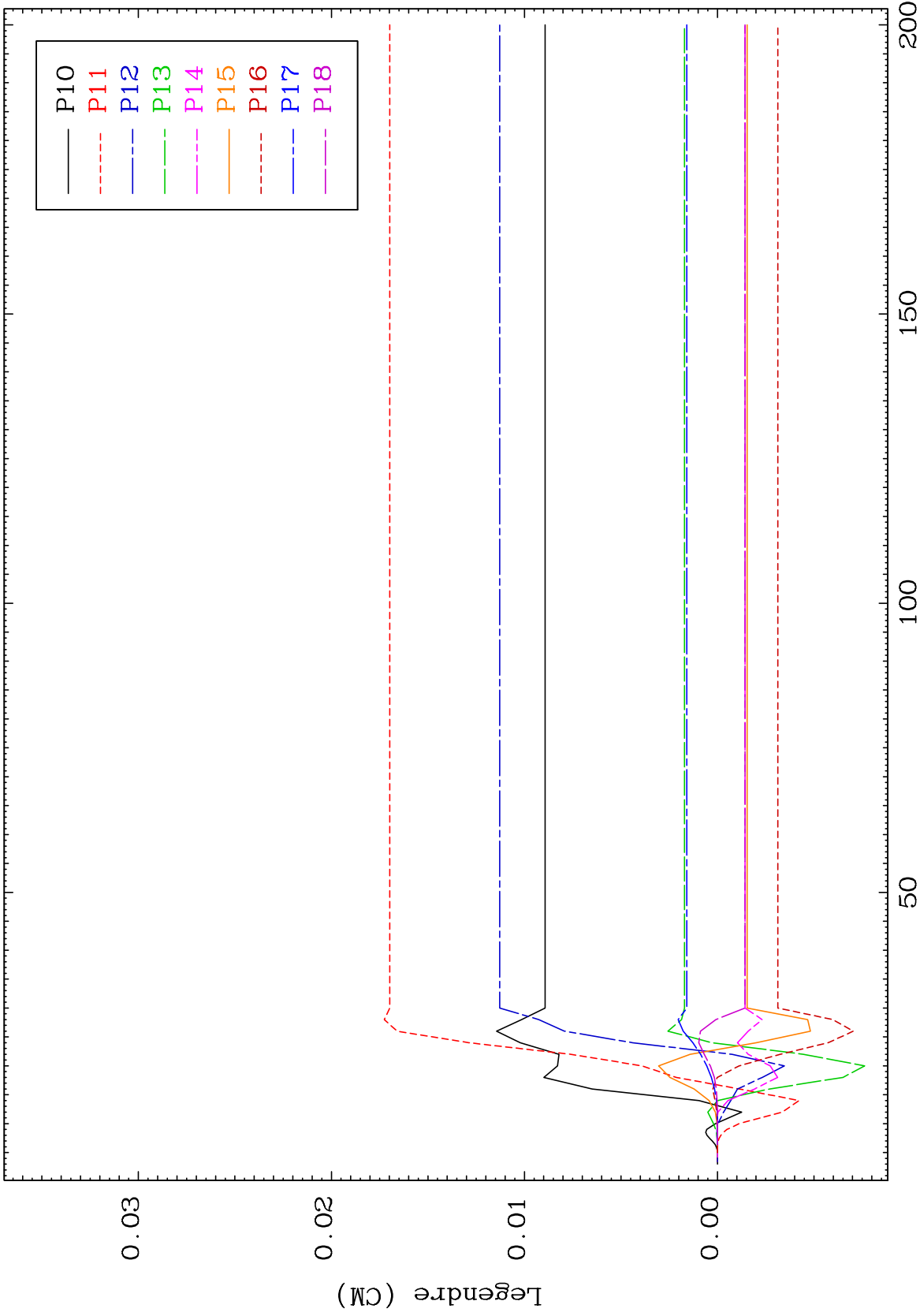
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



32

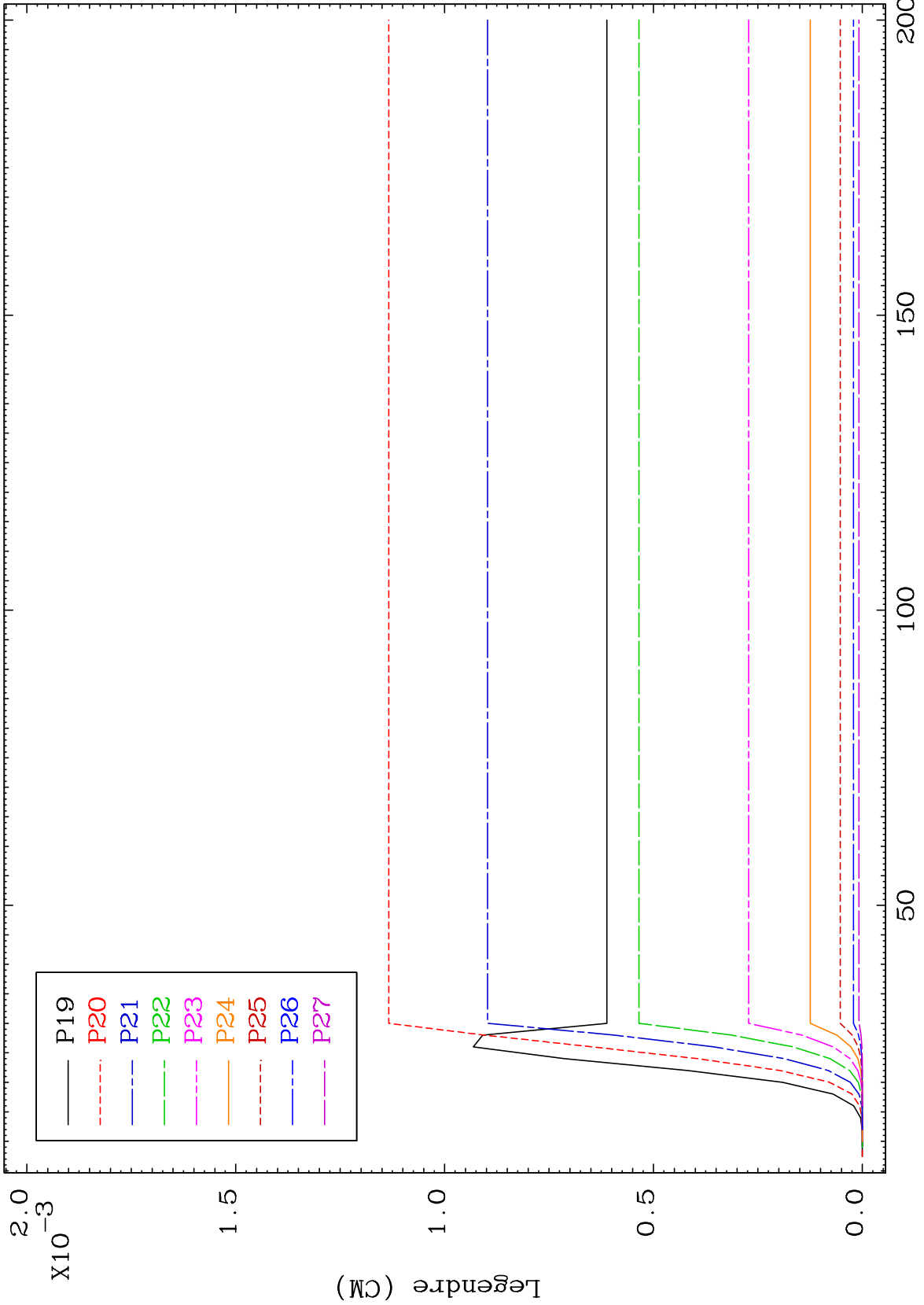
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

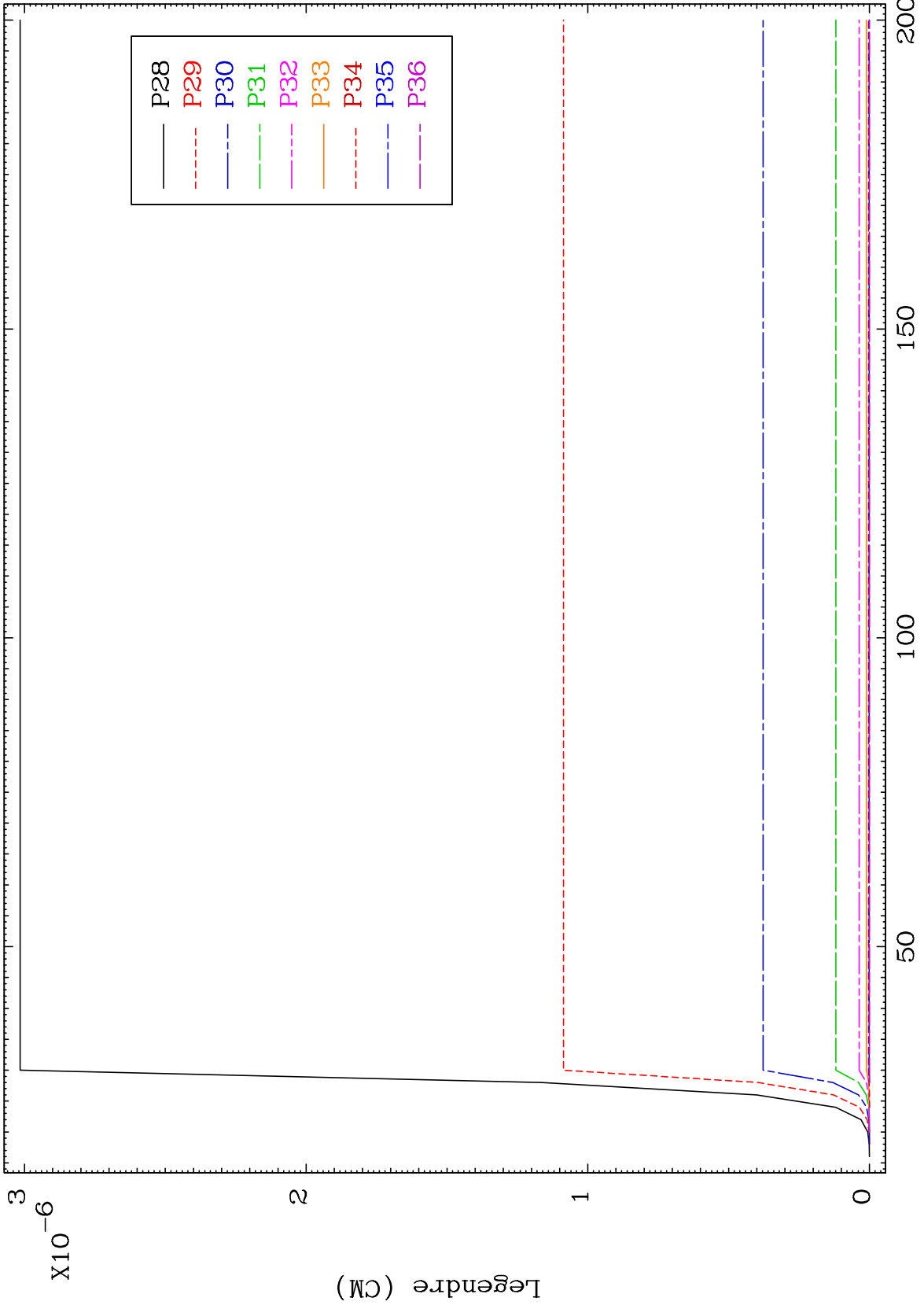
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MAT 6407

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

64-Gd-146



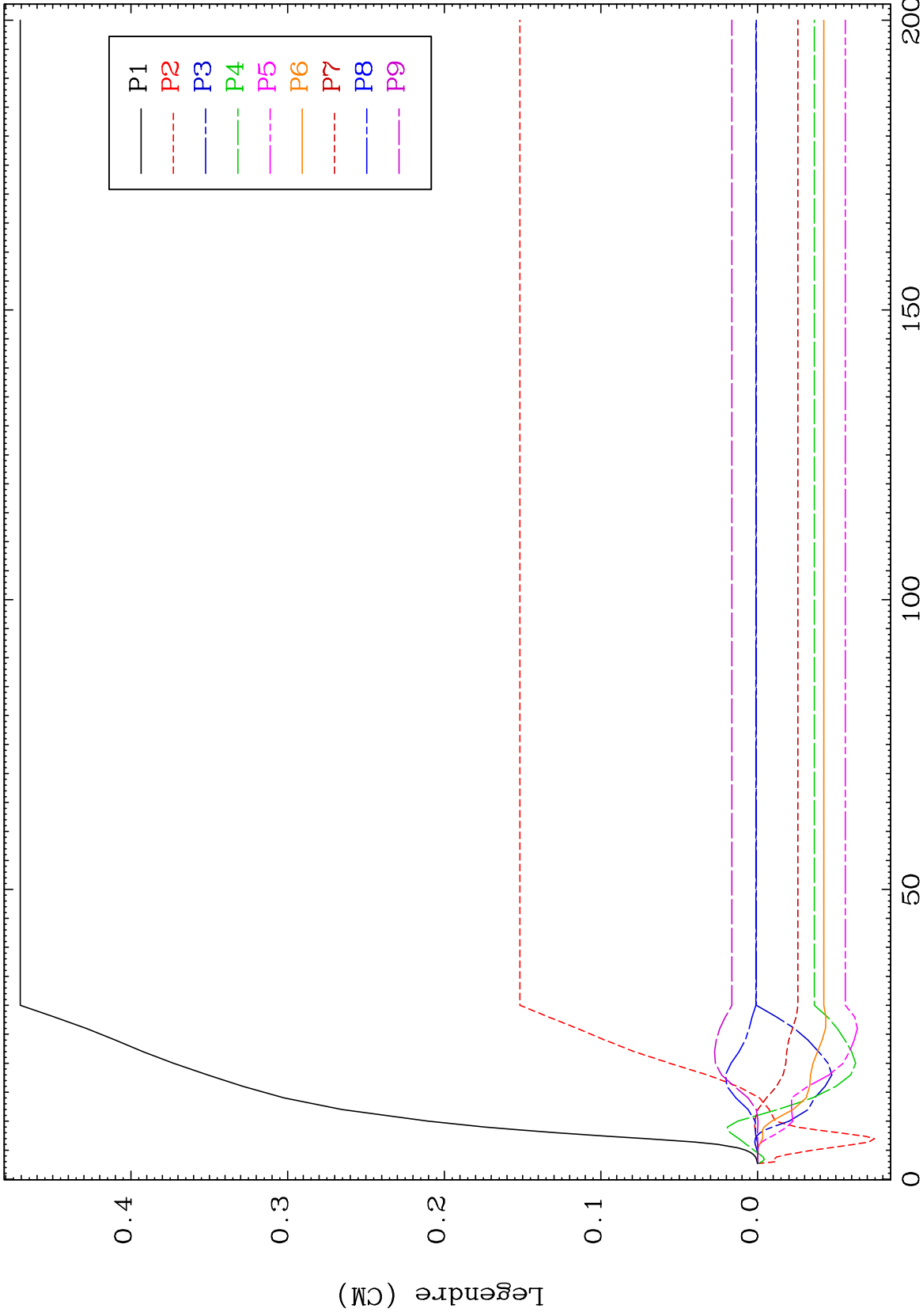
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64-Gd-146

MAT 6407

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

64-Gd-146



35

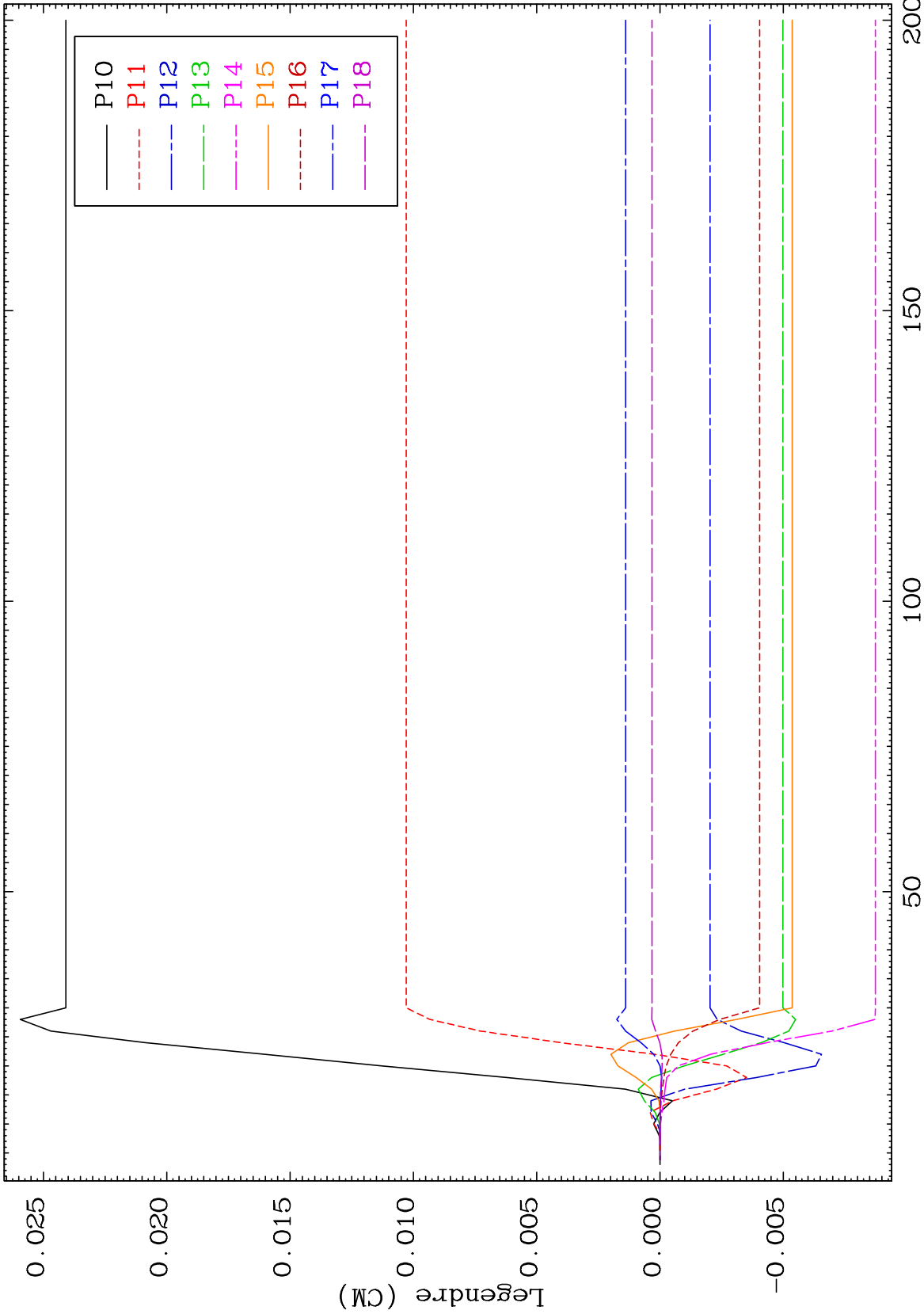
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



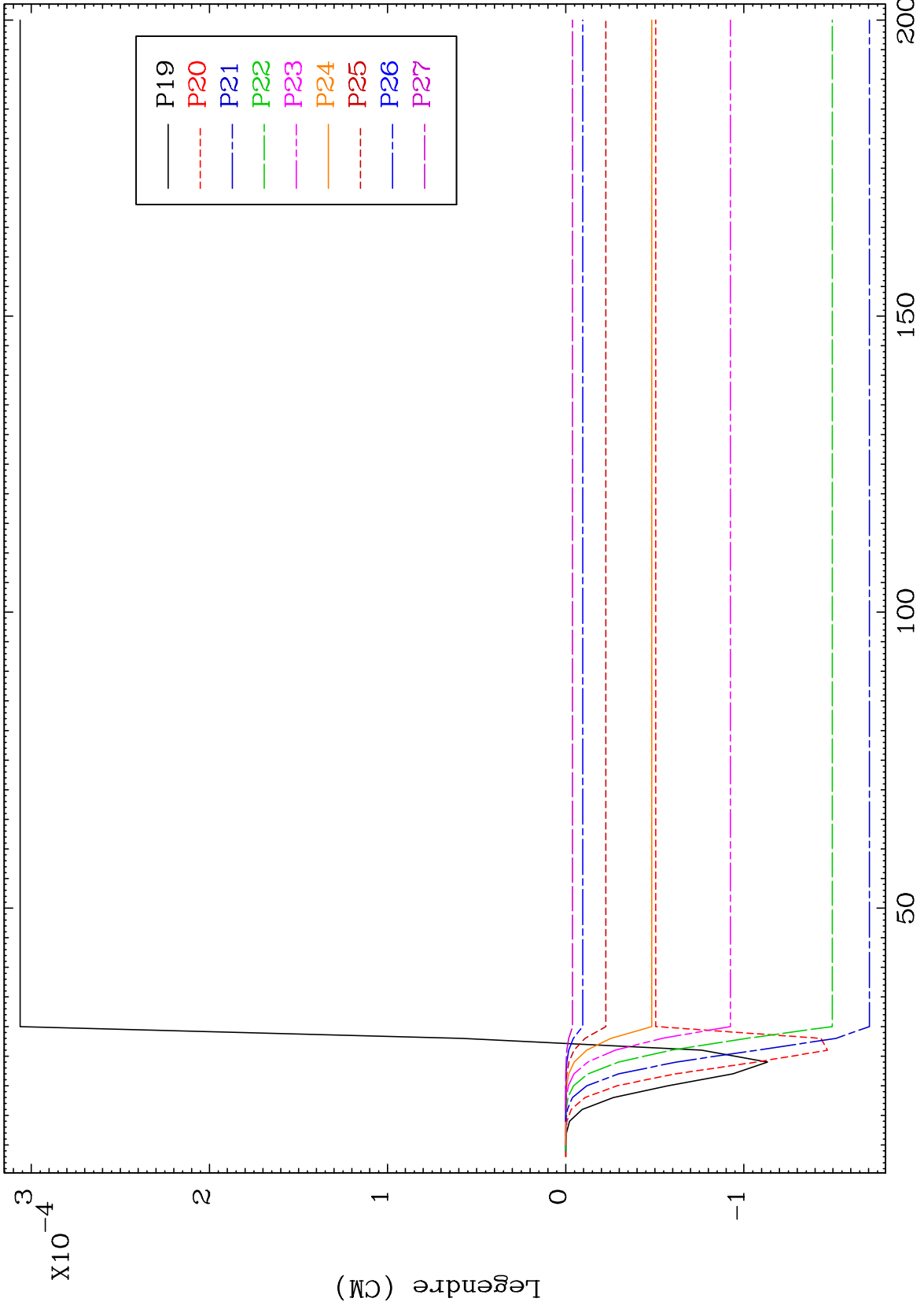
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64-Gd-146

MAT 6407

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

64-Gd-146



37

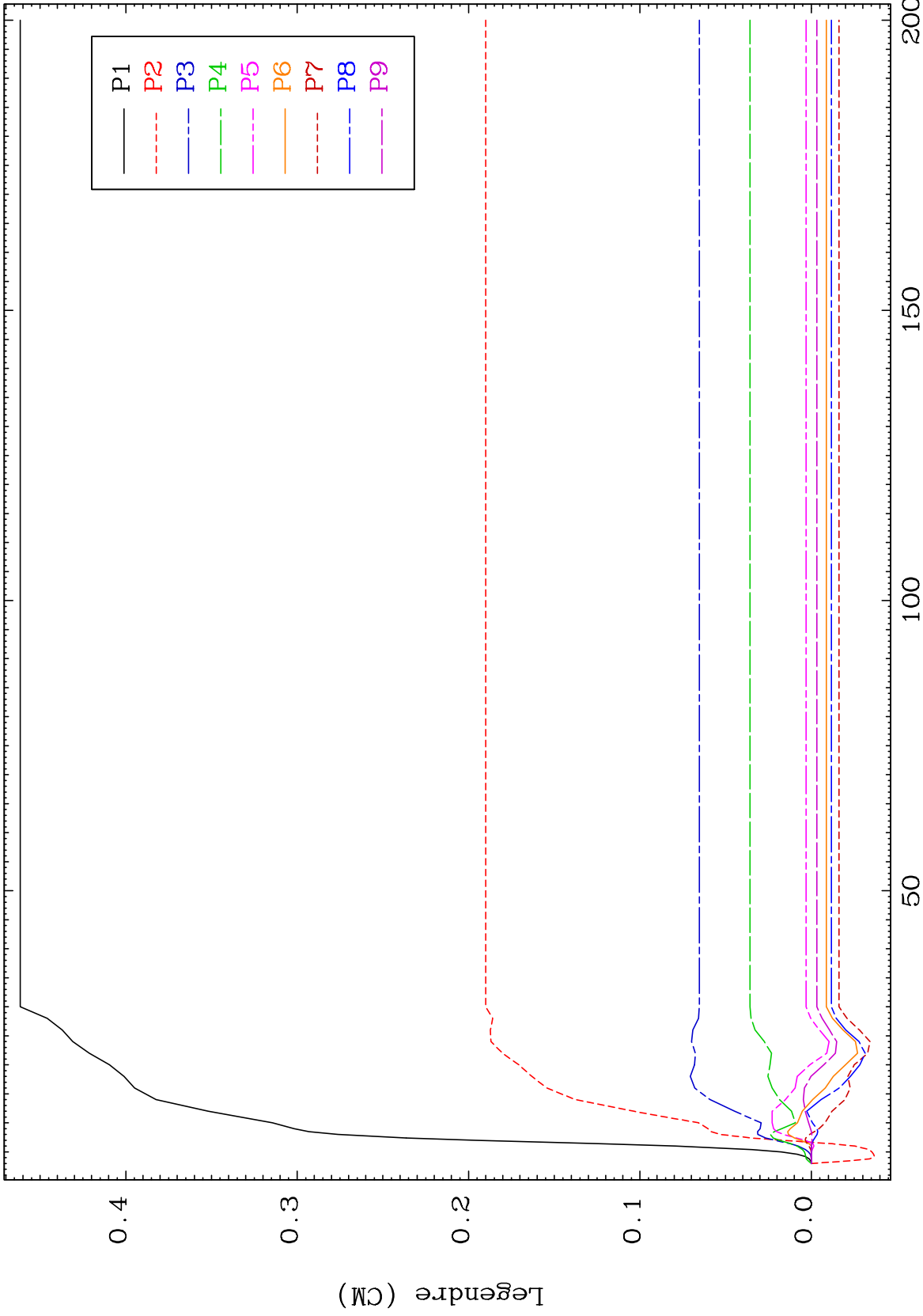
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MAT 6407

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

64-Gd-146



39

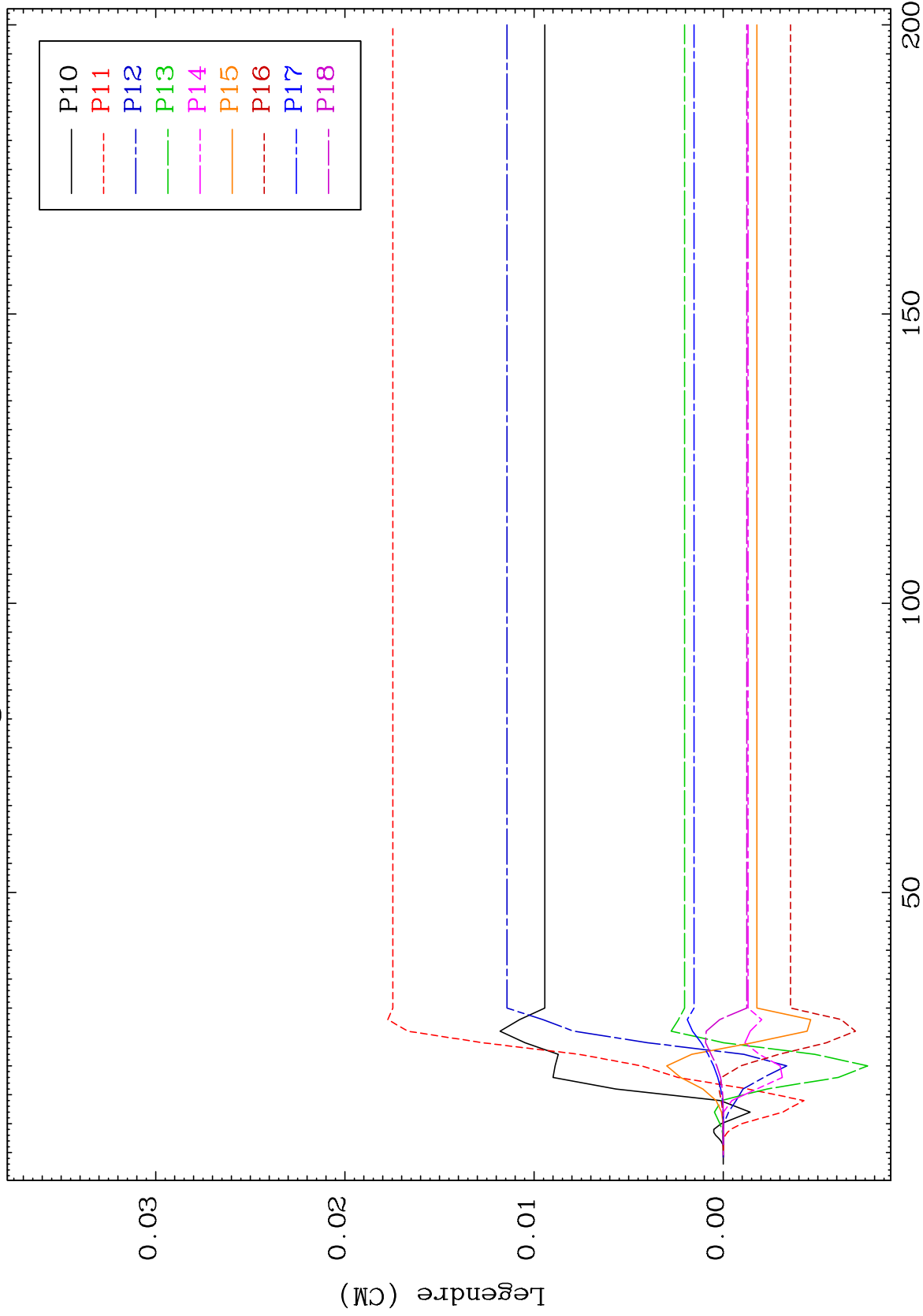
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64-Gd-146

MAT 6407

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

64-Gd-146



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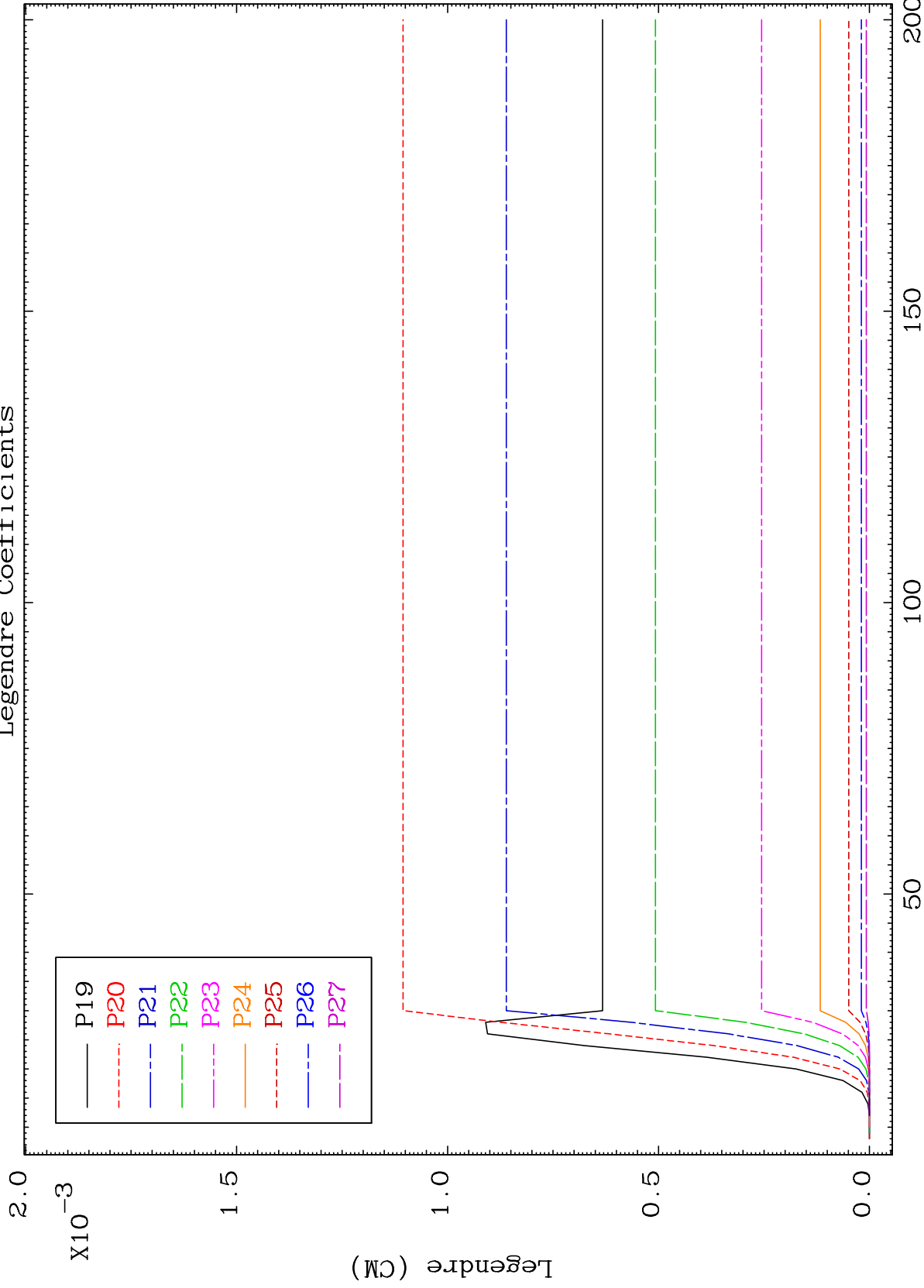
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

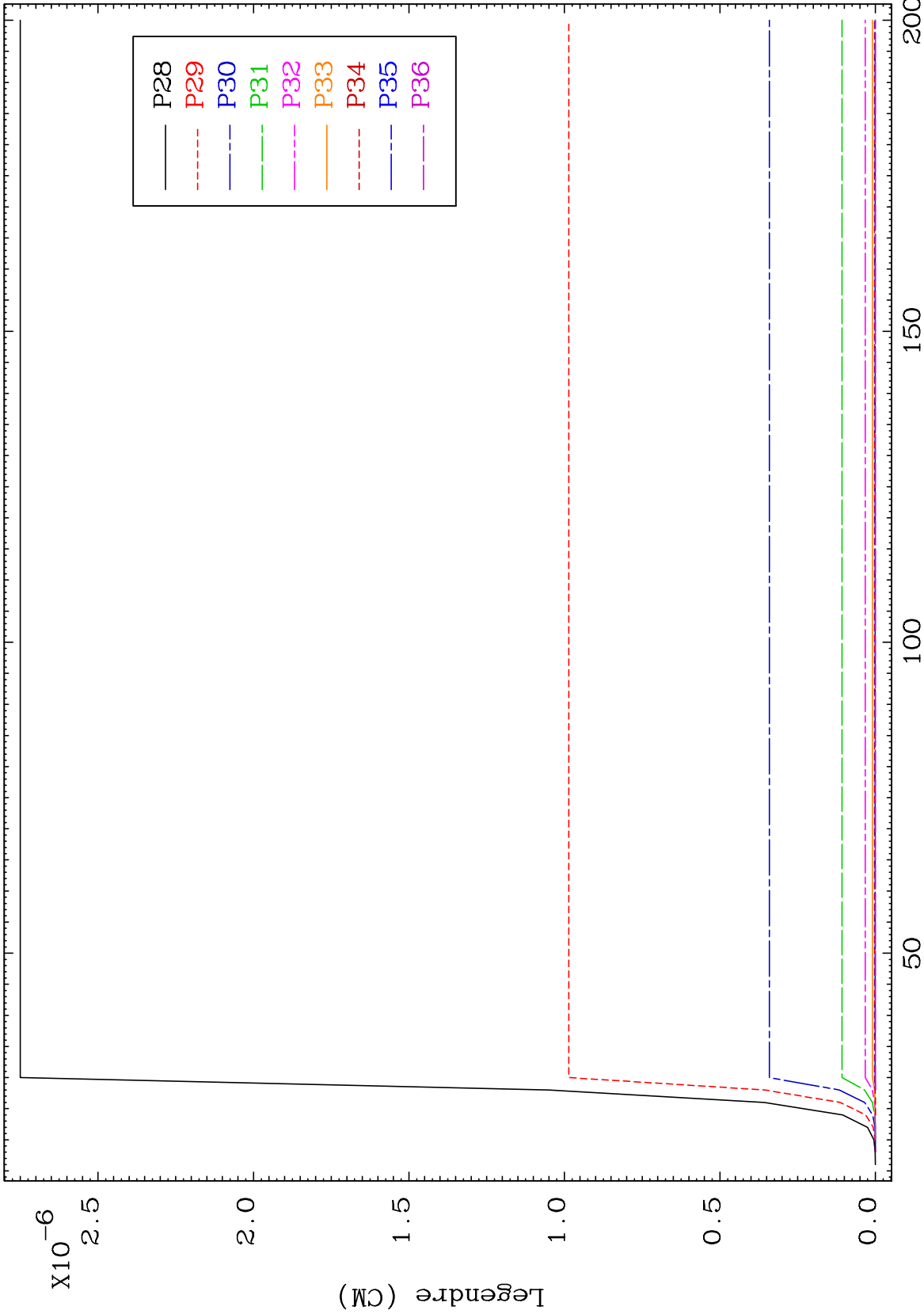
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MAT 6407

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

64-Gd-146



42

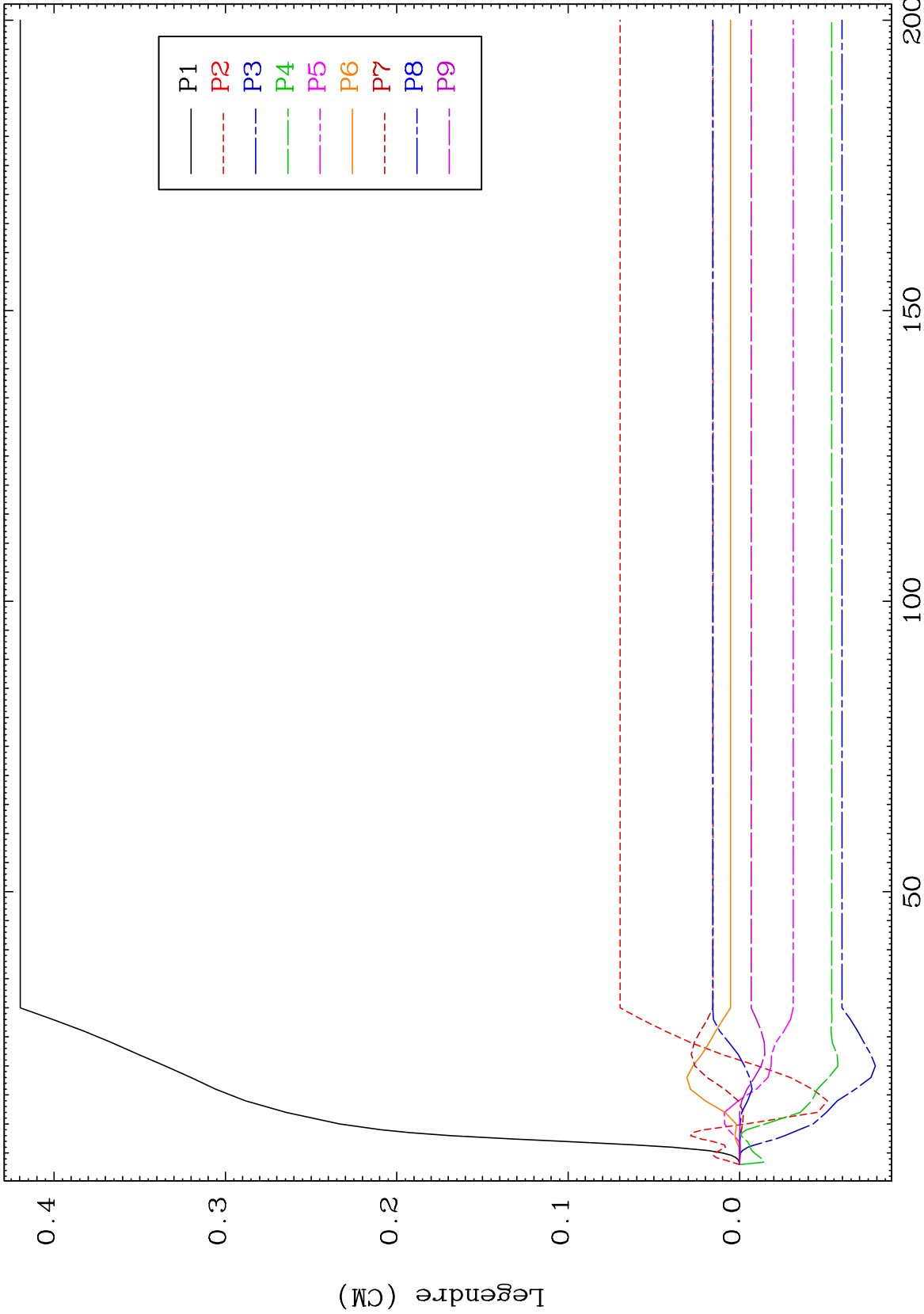
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



43

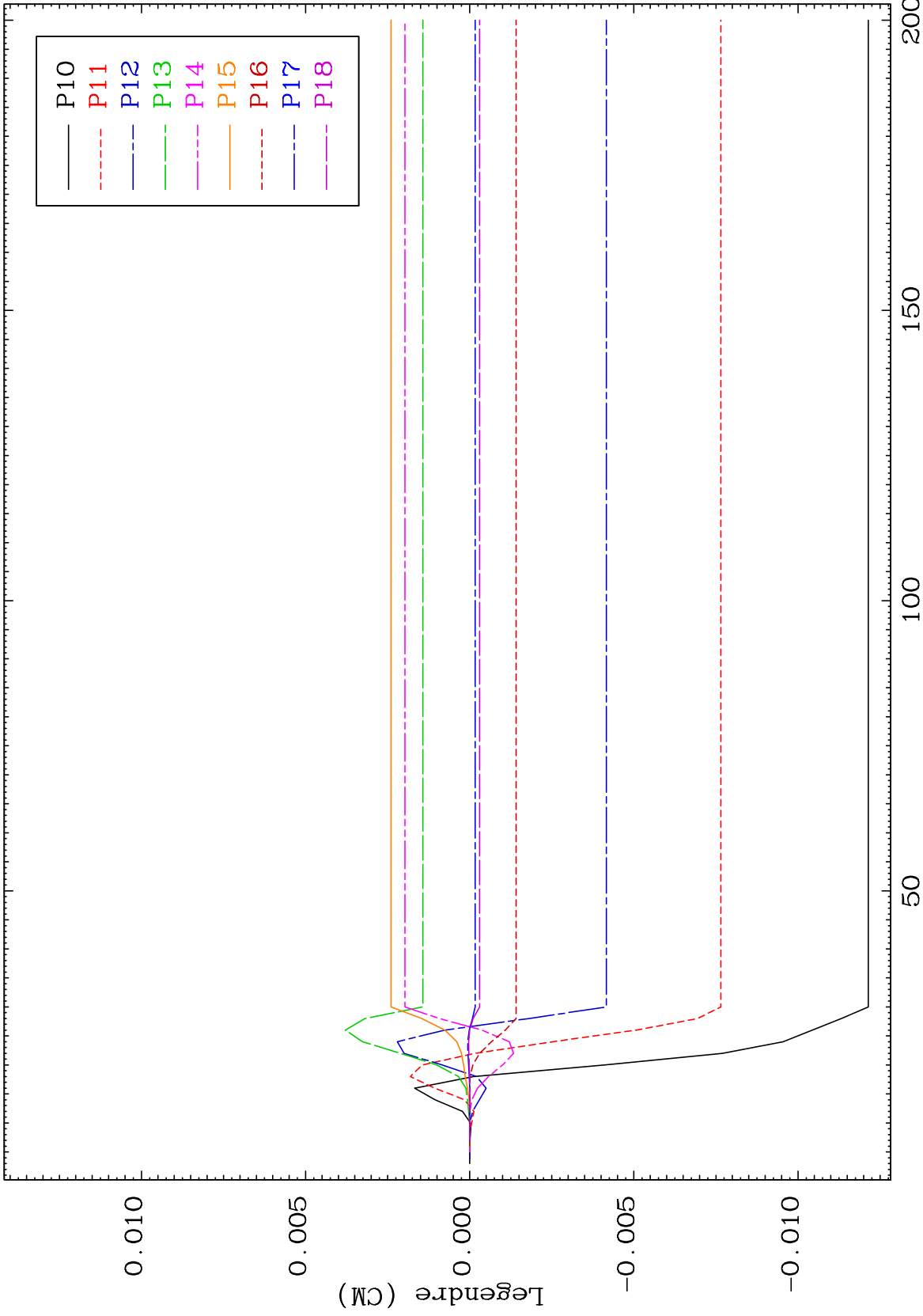
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



44

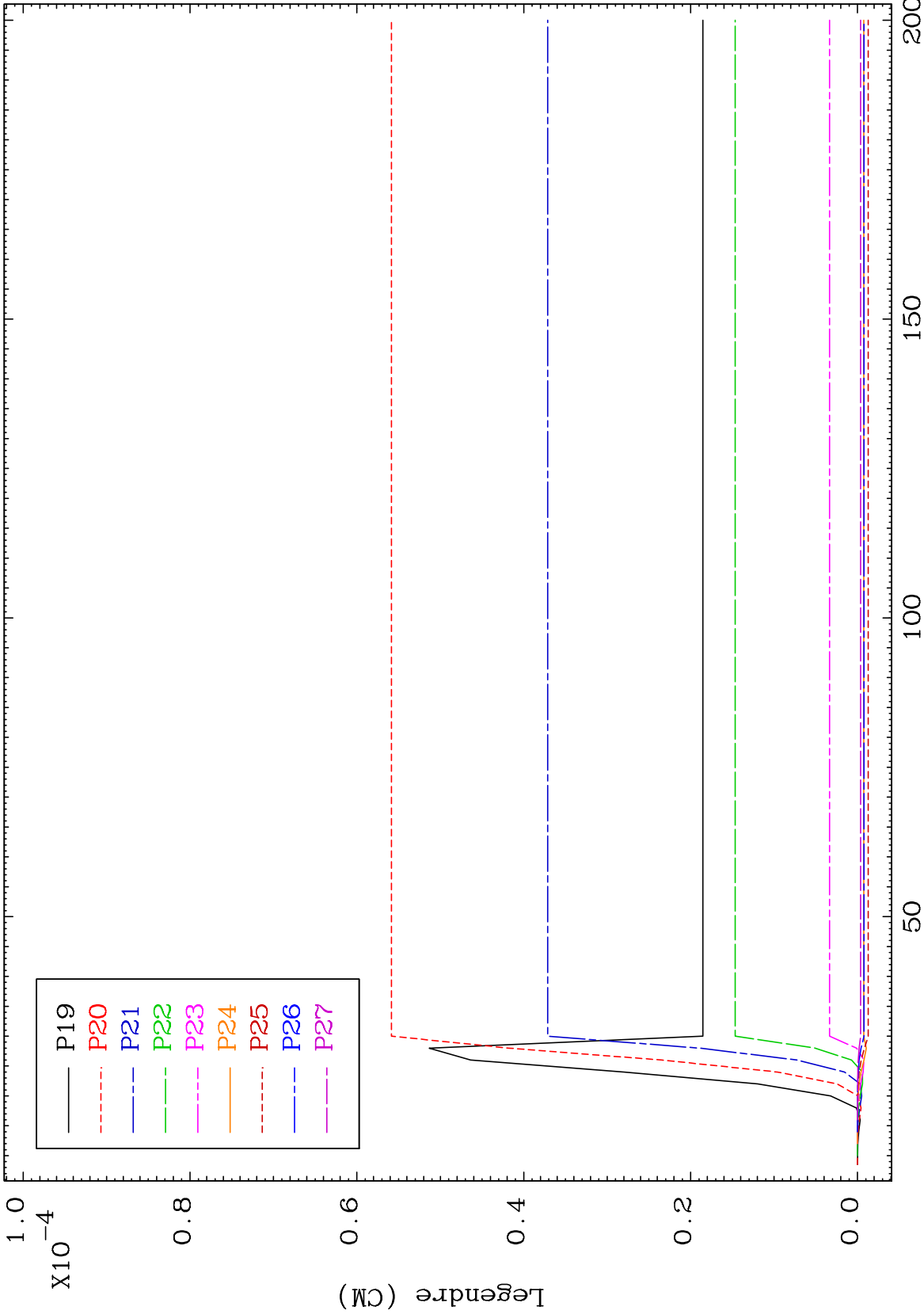
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



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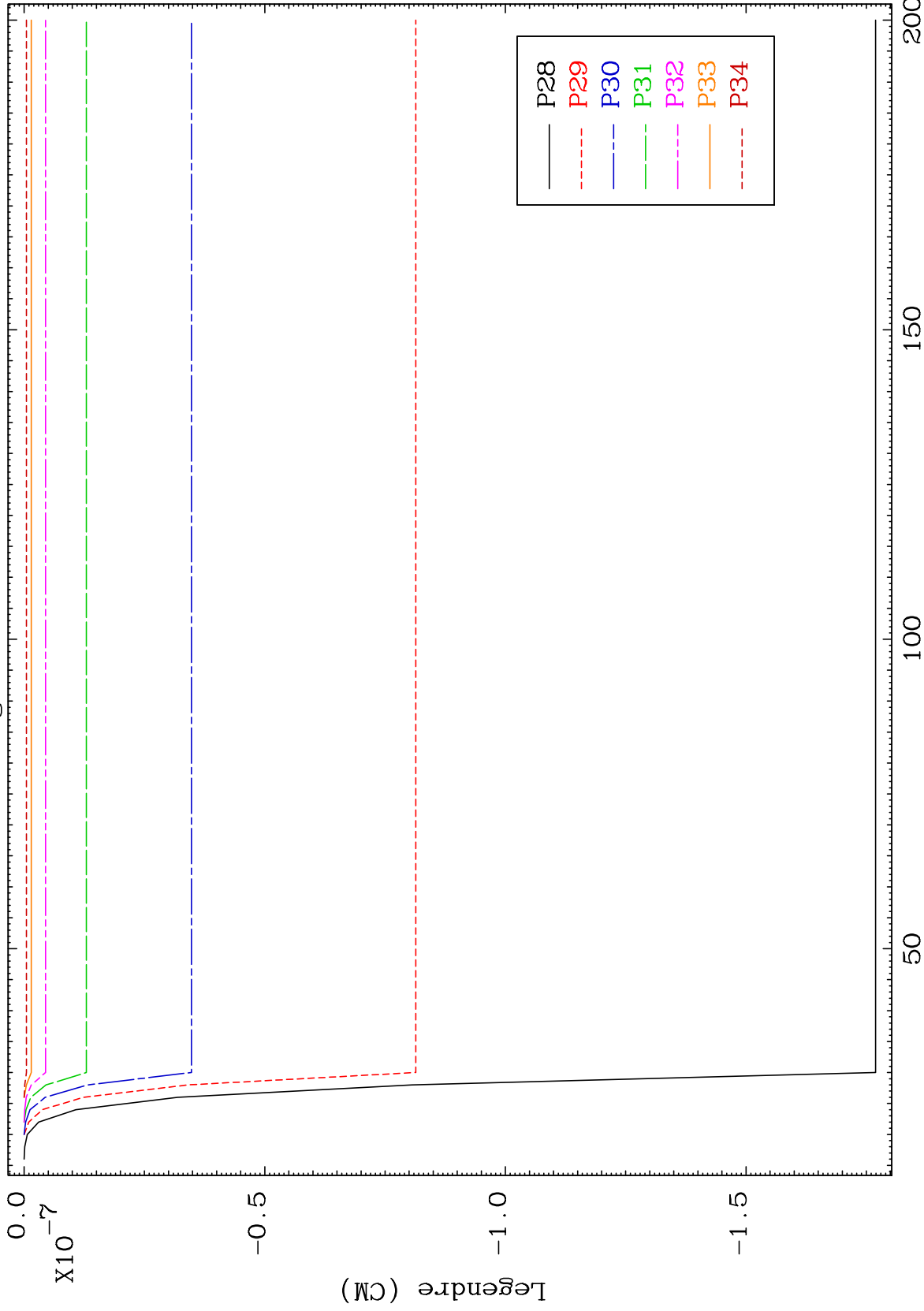
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

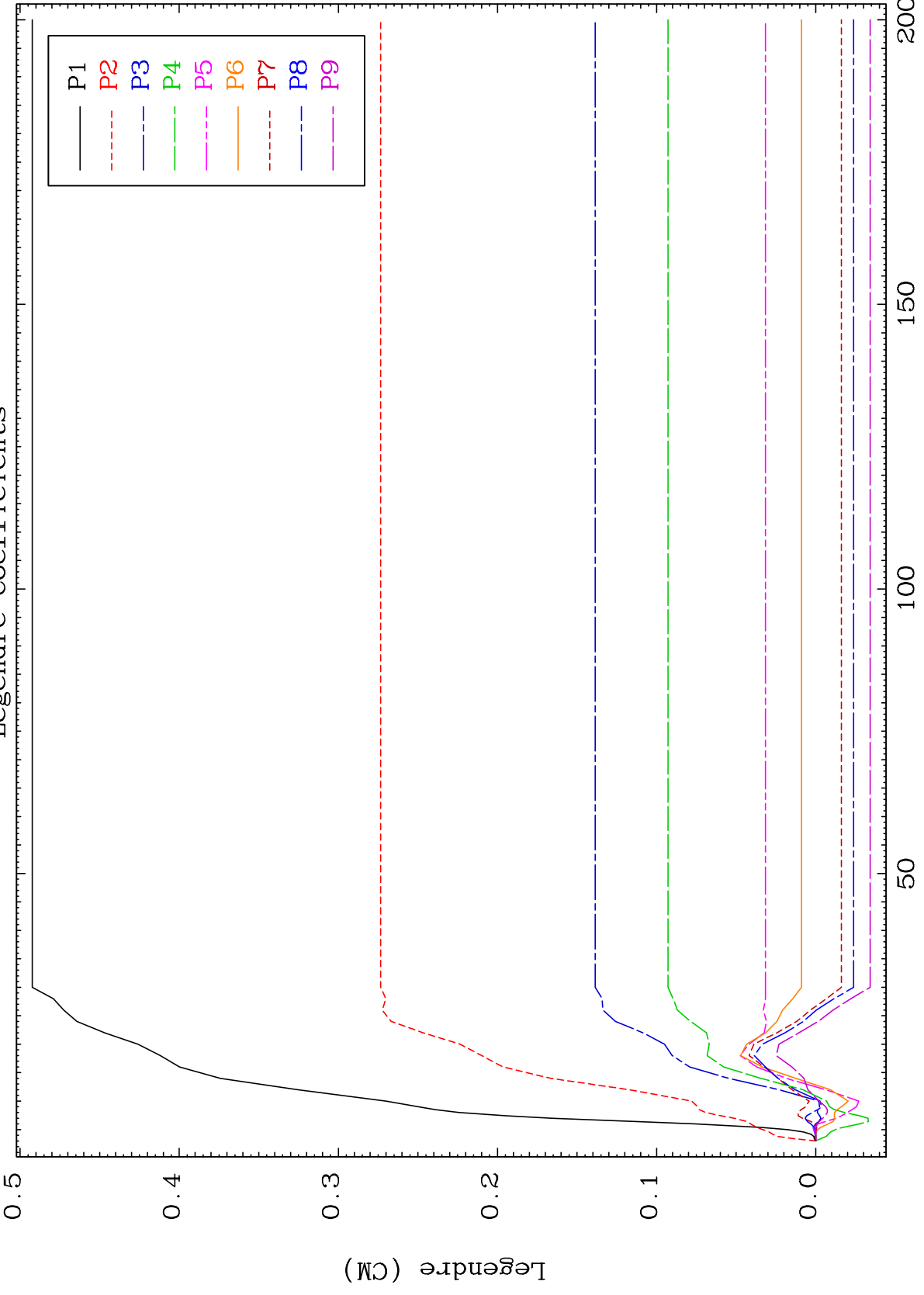
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46

64-Gd-146

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

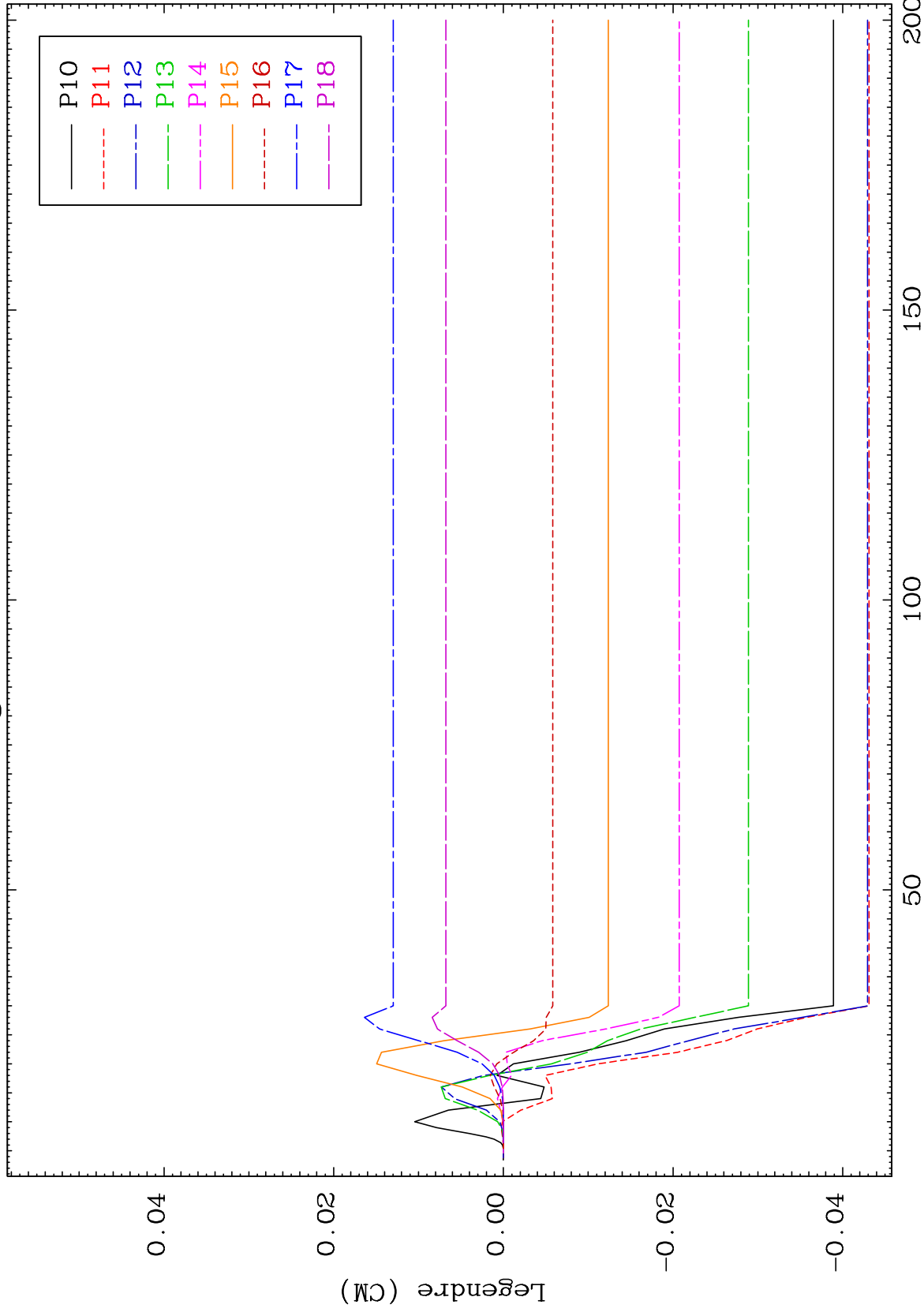


47 64-Gd-146

MAT 6407

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

64-Gd-146



48

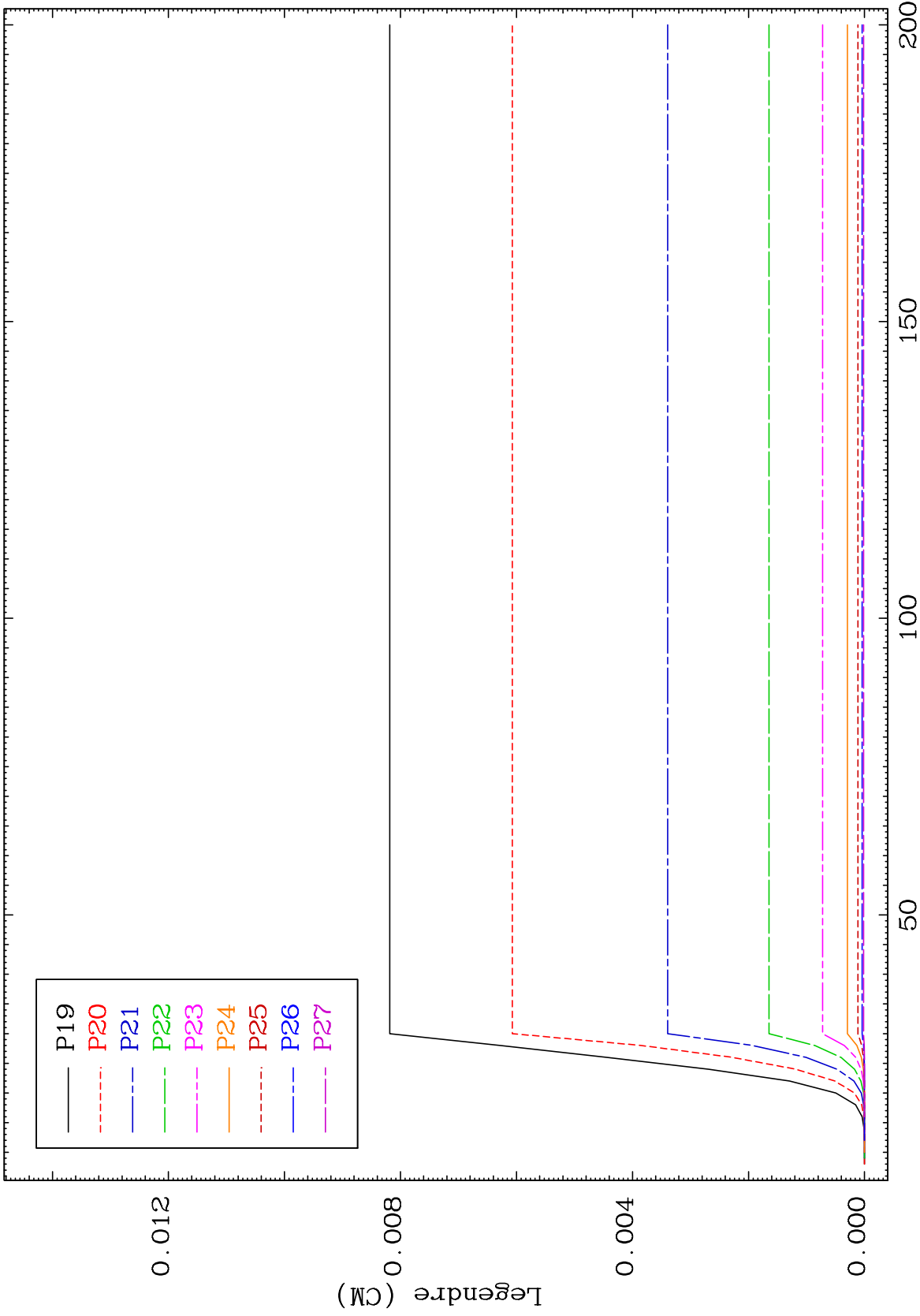
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



49

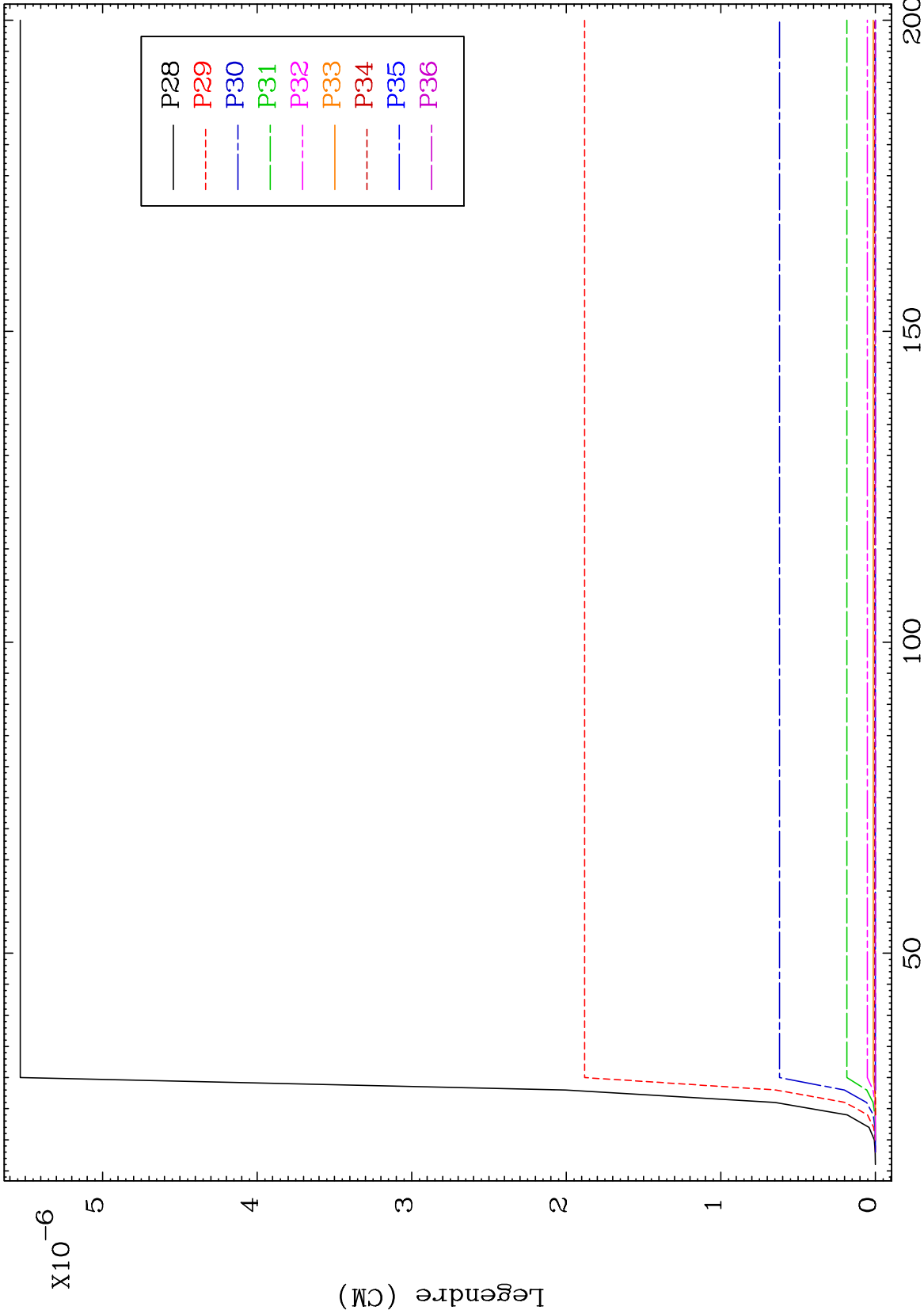
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



50

50

100

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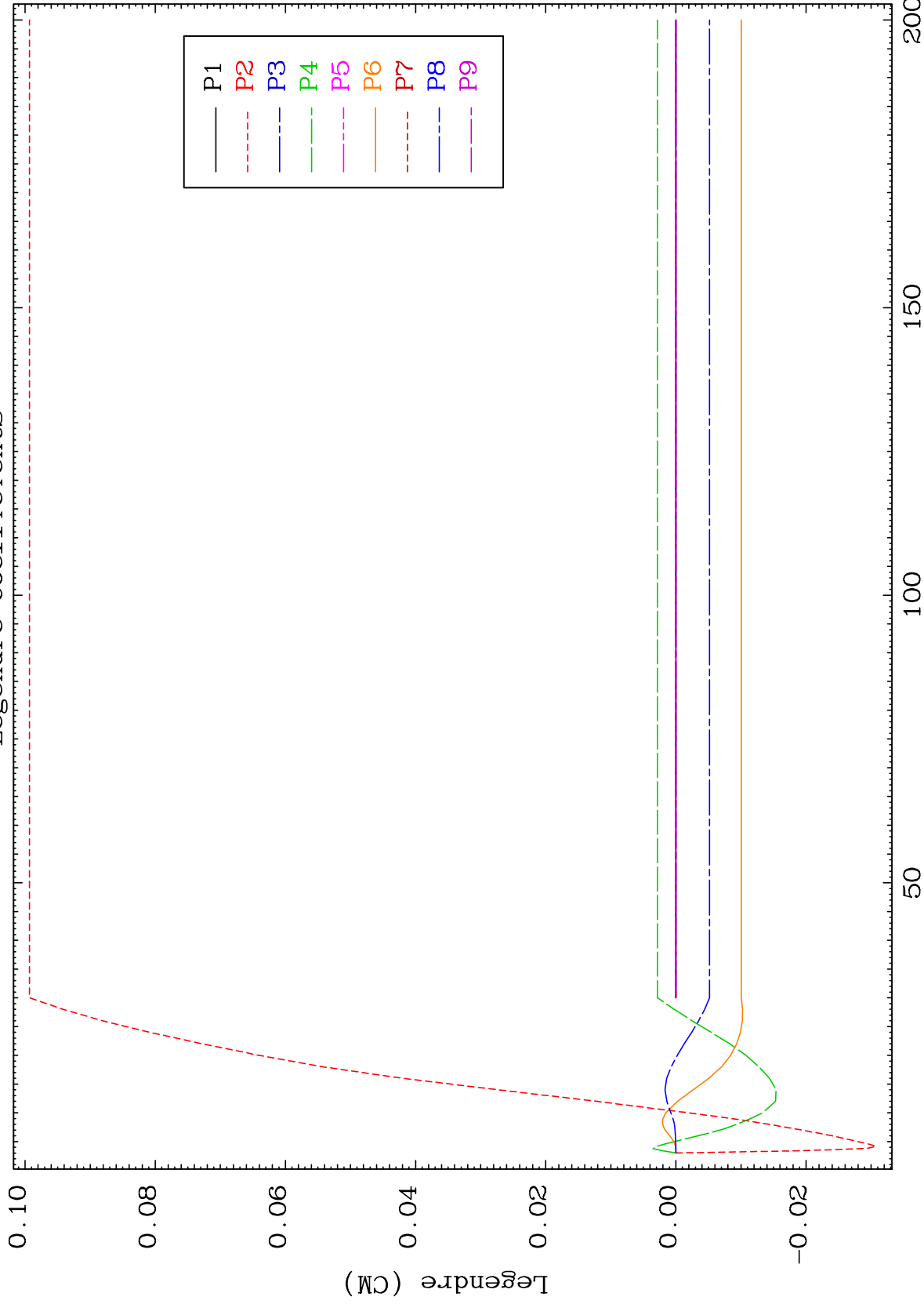
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64-Gd-146

MAT 6407

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

64-Gd-146



51

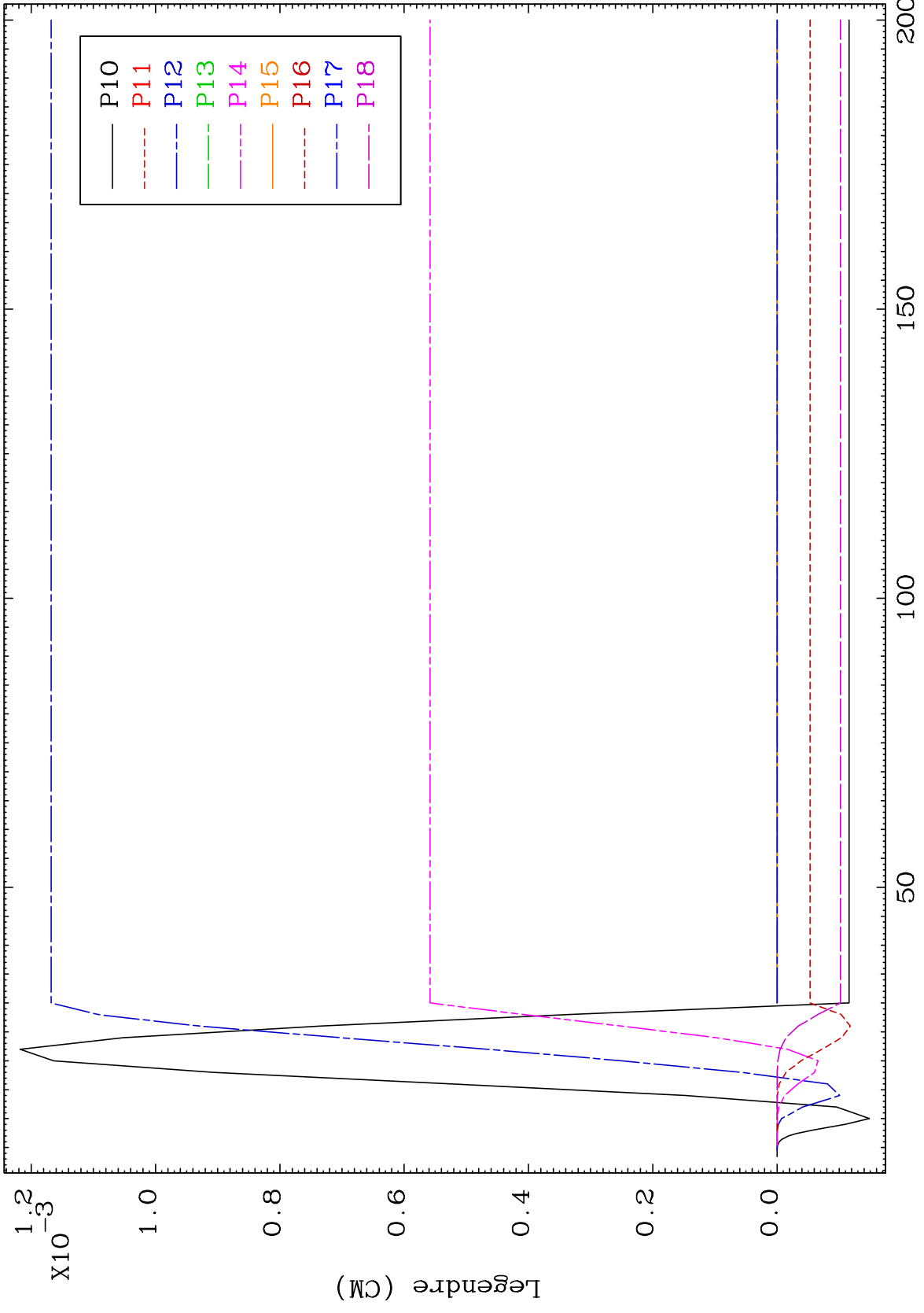
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



52

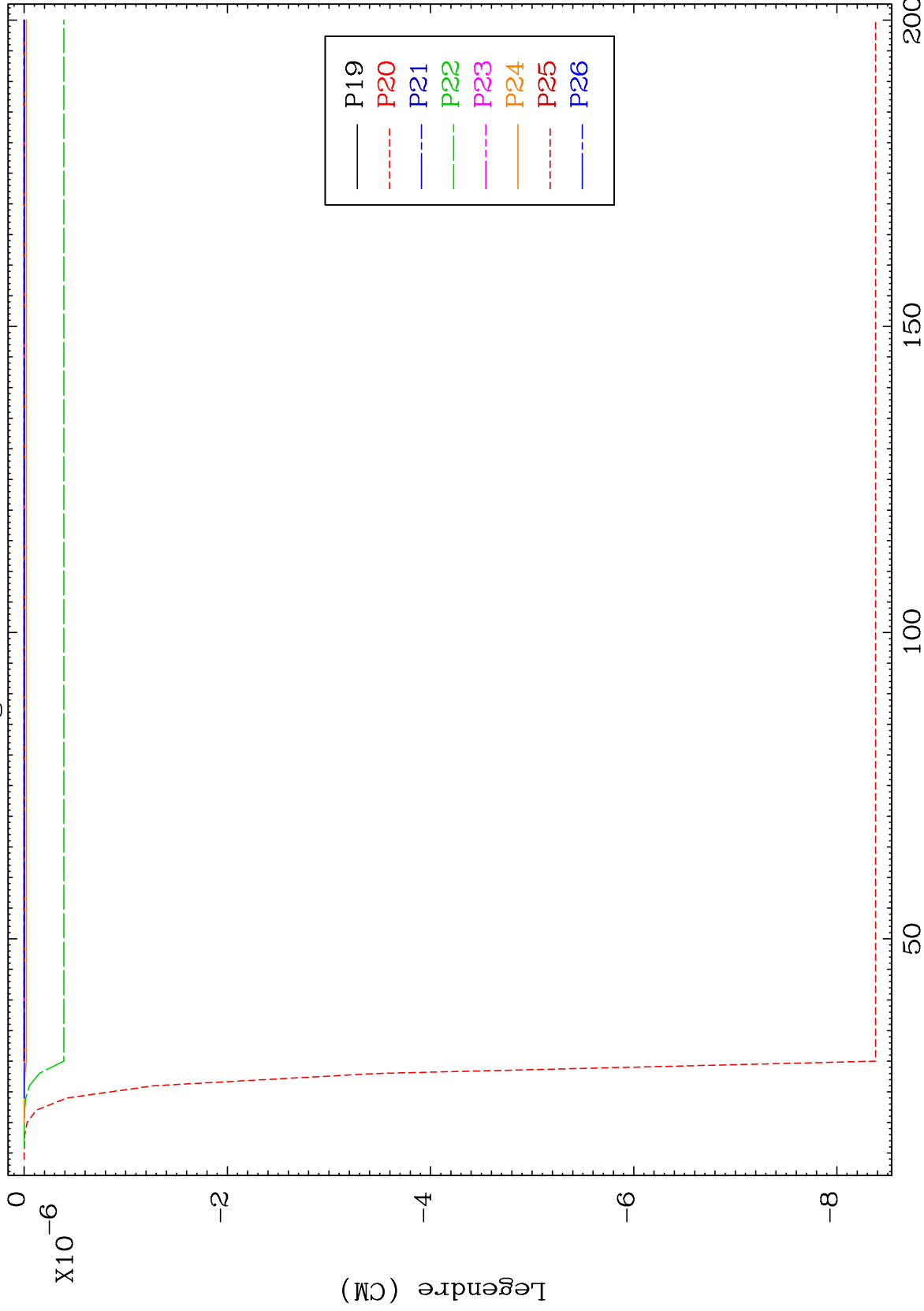
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

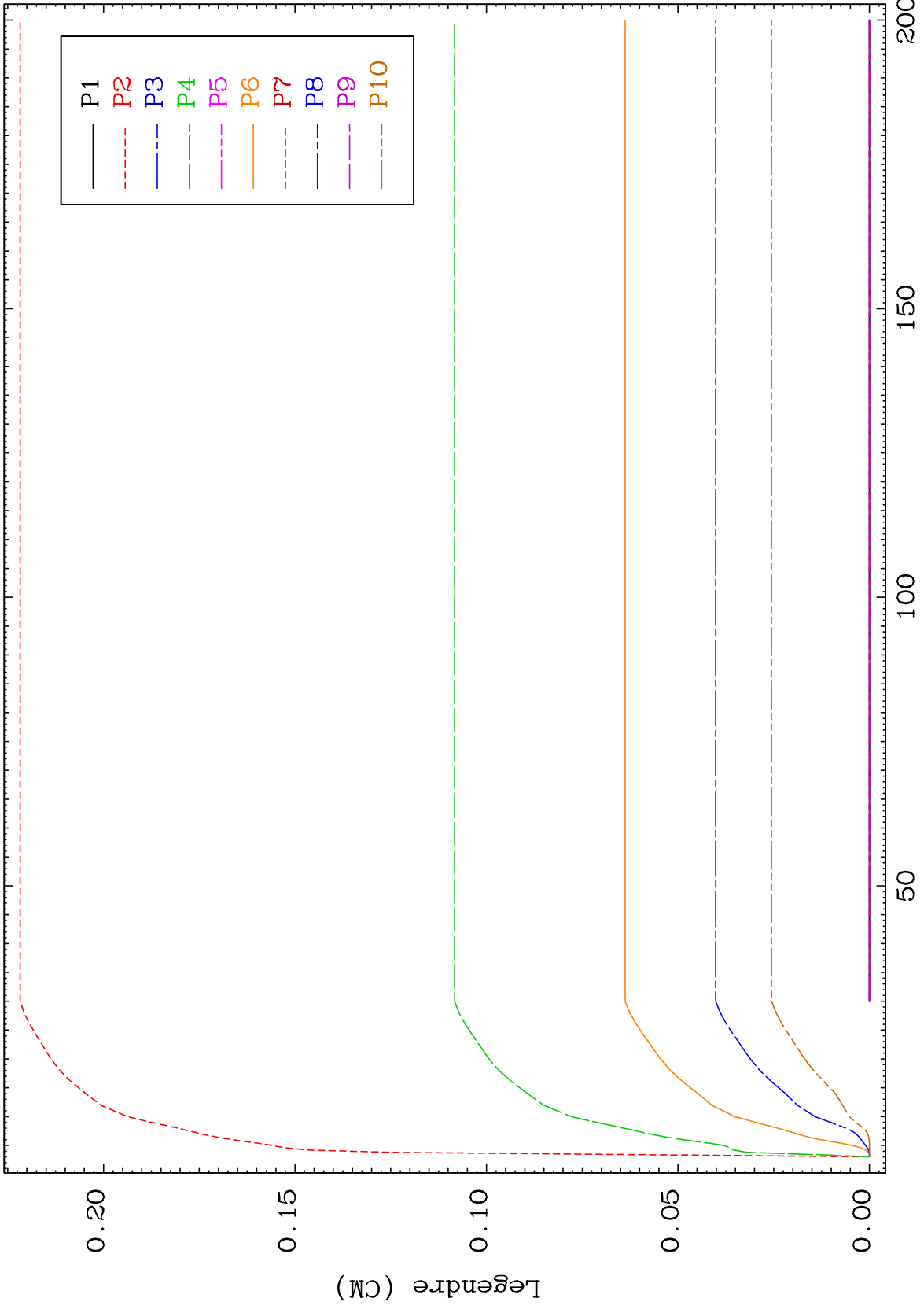
64-Gd-146



53

64-Gd-146

MAT 6407 MT= 60 (n,n') Level Legendre Coefficients 64-Gd-146

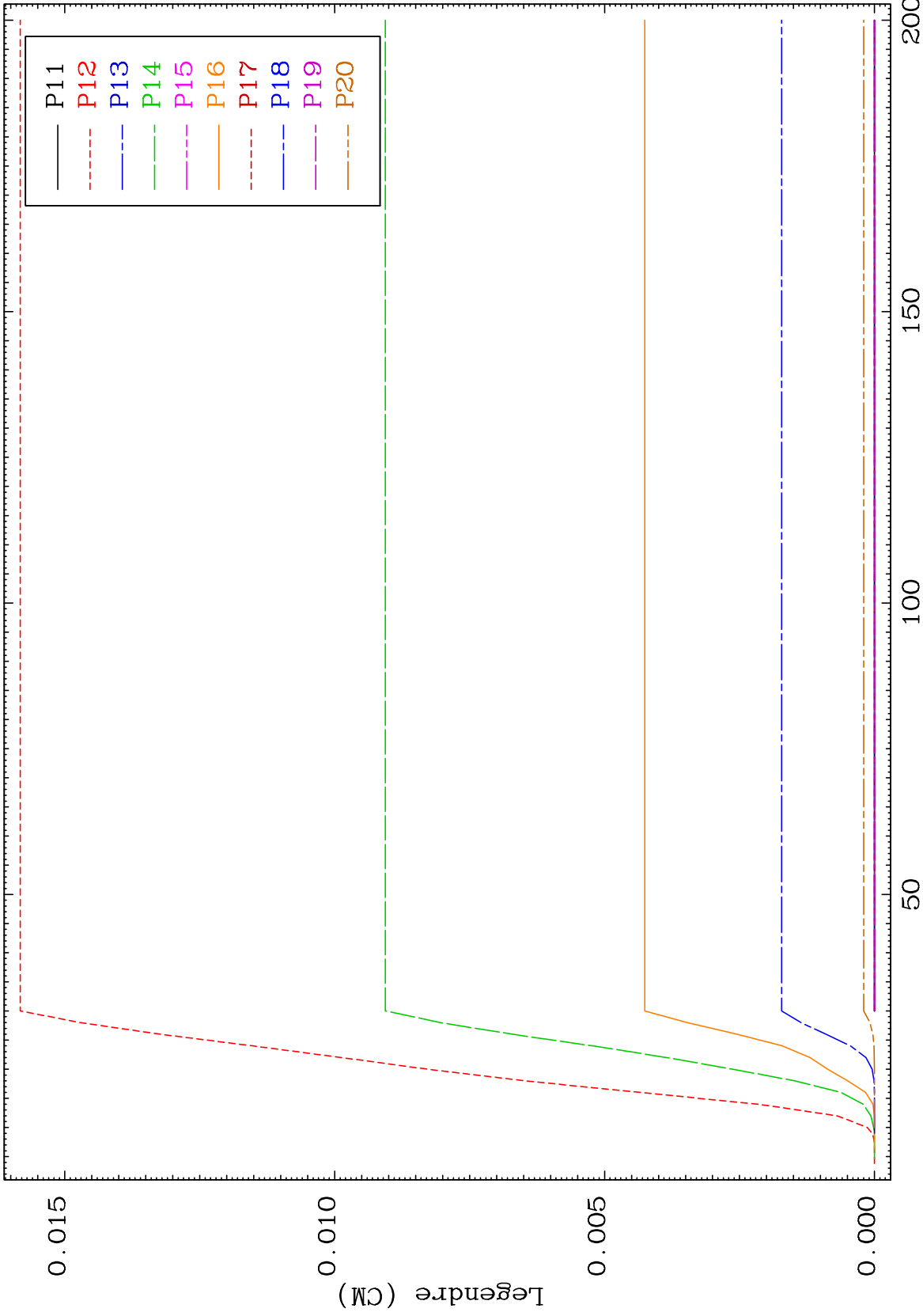


54 Incident Energy (MeV) 64-Gd-146

MAT 6407

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

64-Gd-146

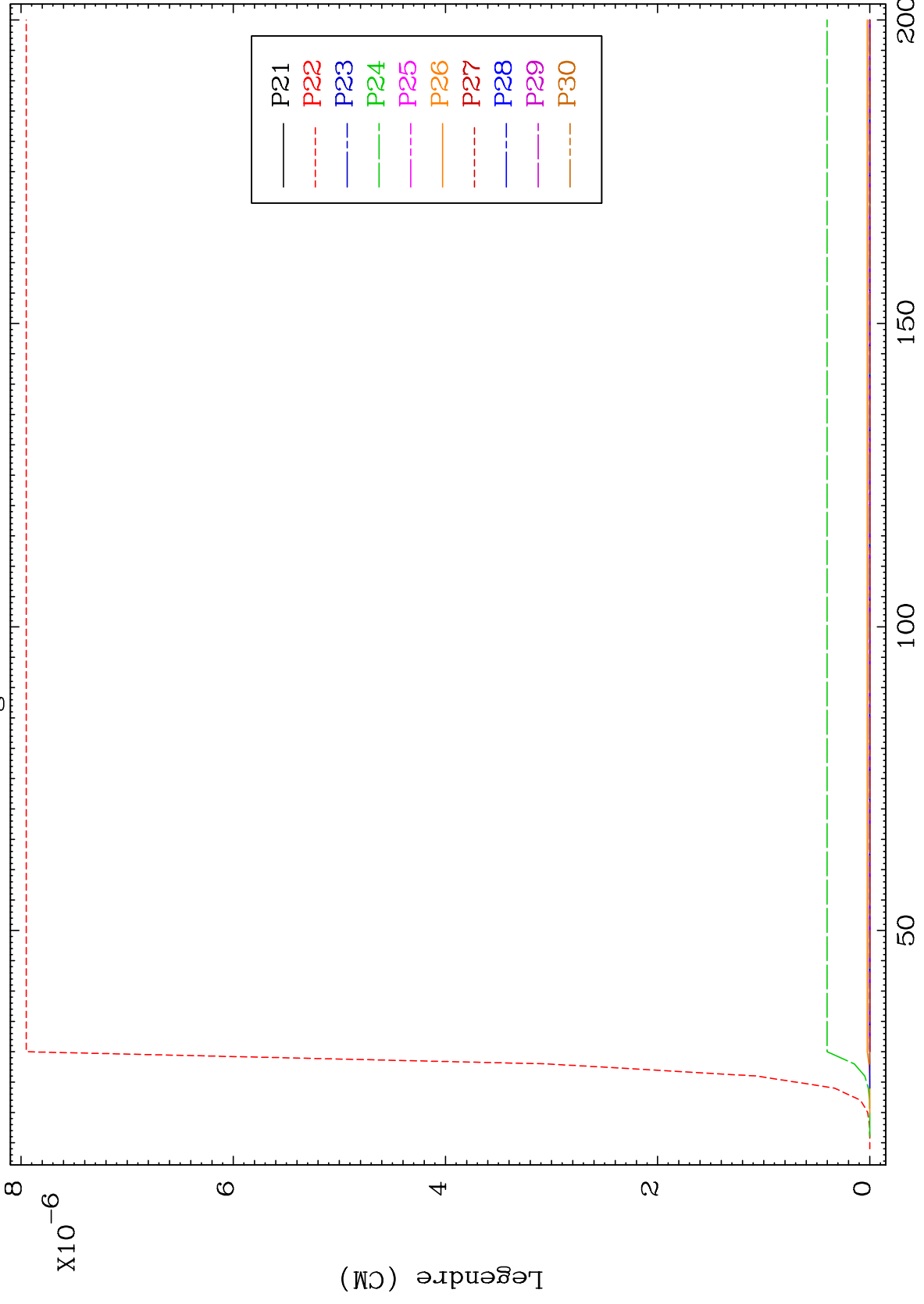


64-Gd-146

Incident Energy (MeV)

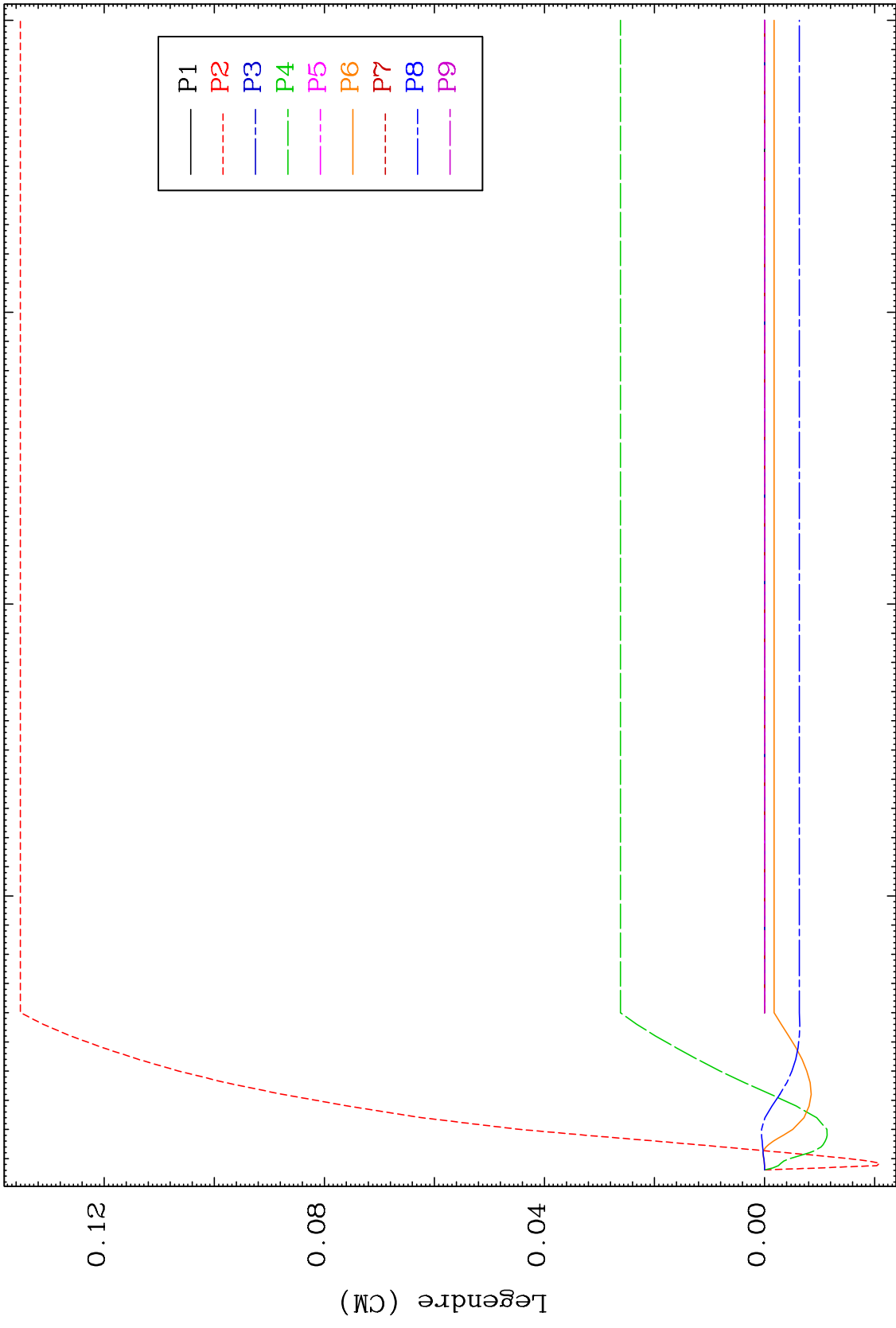
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MAT 6407 MT= 60 (n, n') Level Legendre Coefficients 64-Gd-146



56 Incident Energy (MeV) 64-Gd-146

MAT 6407 MT= 61 (n,n') Level Legendre Coefficients 64-Gd-146

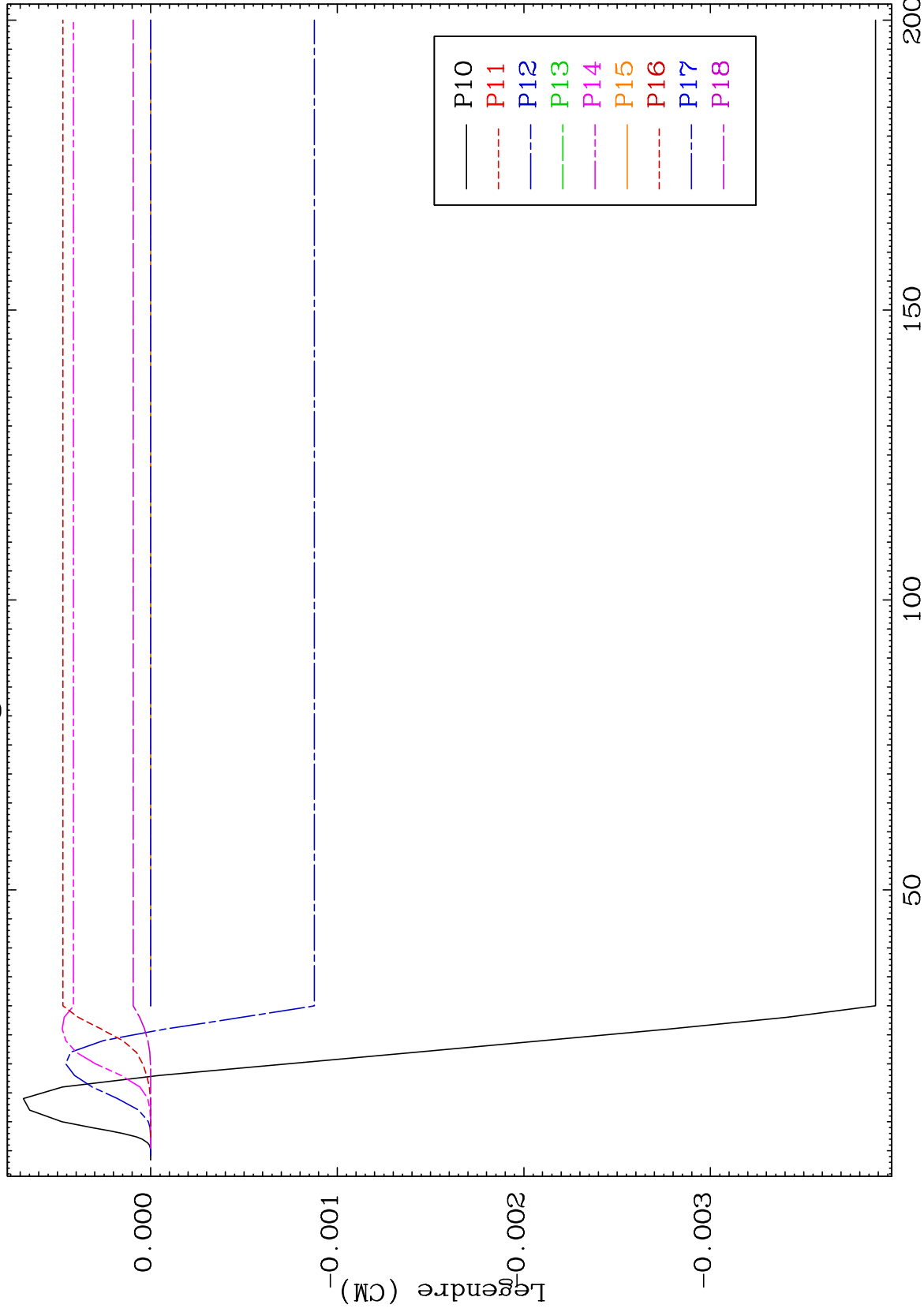


57 64-Gd-146

MAT 6407

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

64-Gd-146



58

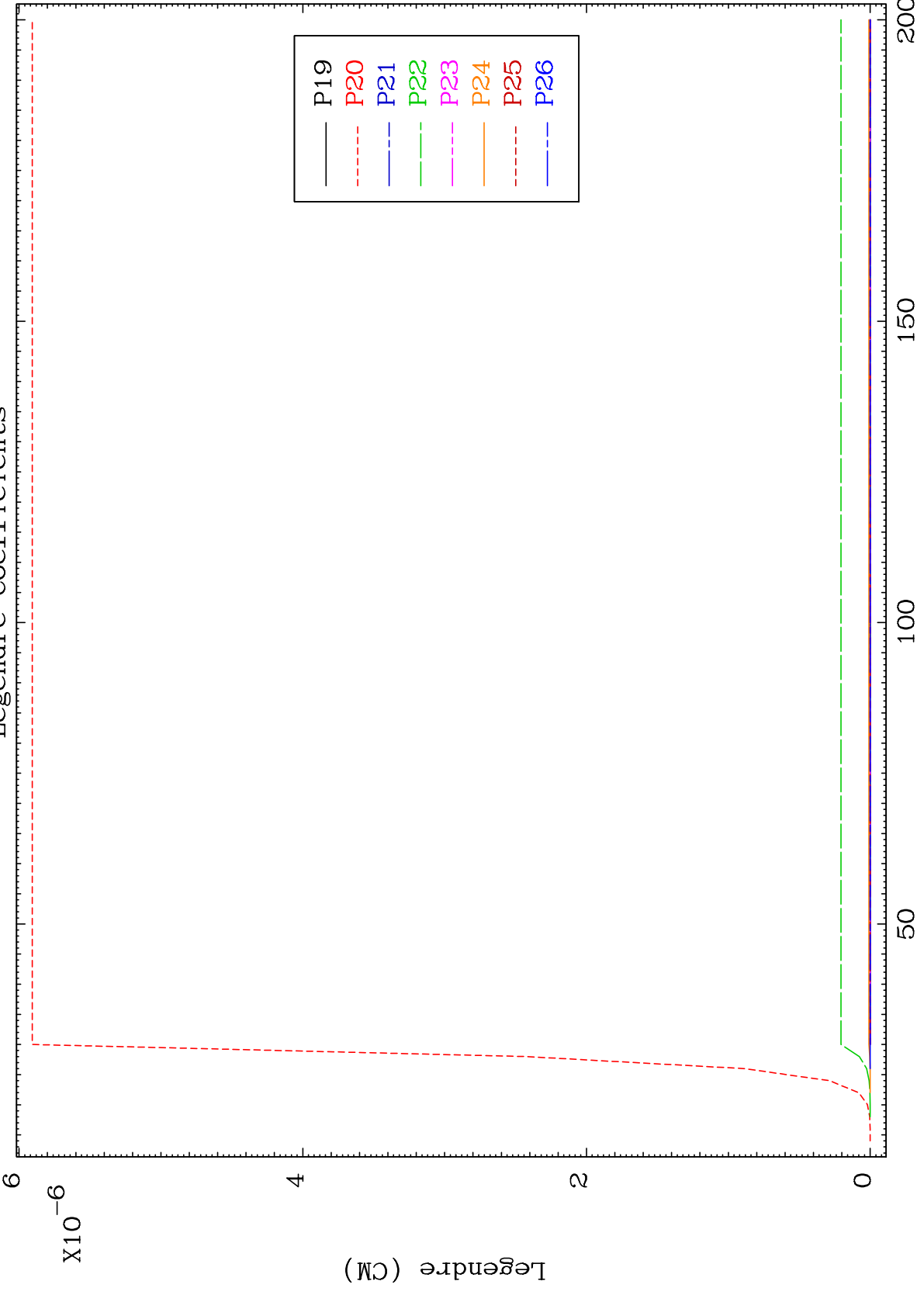
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

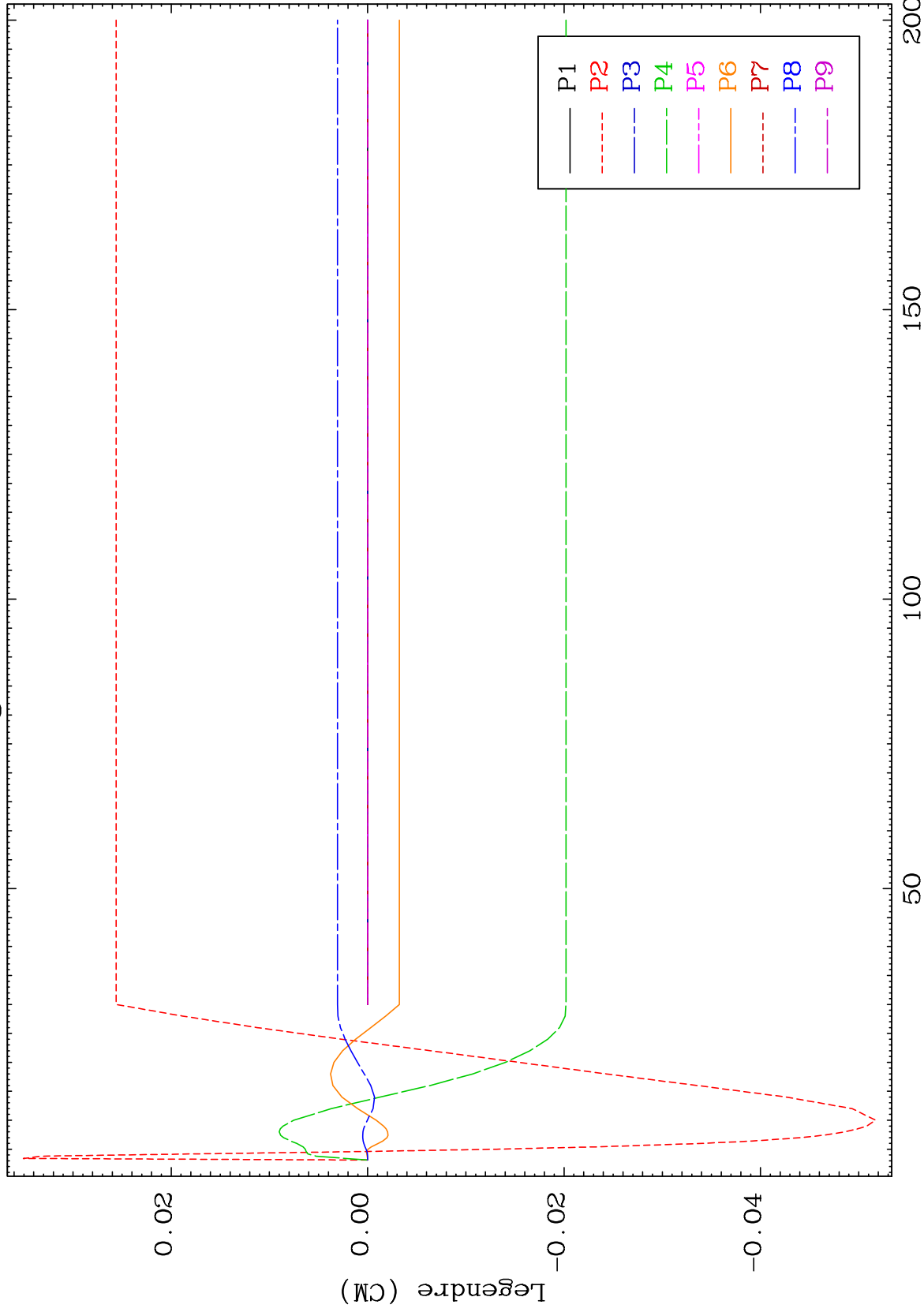
Incident Energy (MeV)

59

MAT 6407

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

64-Gd-146



60

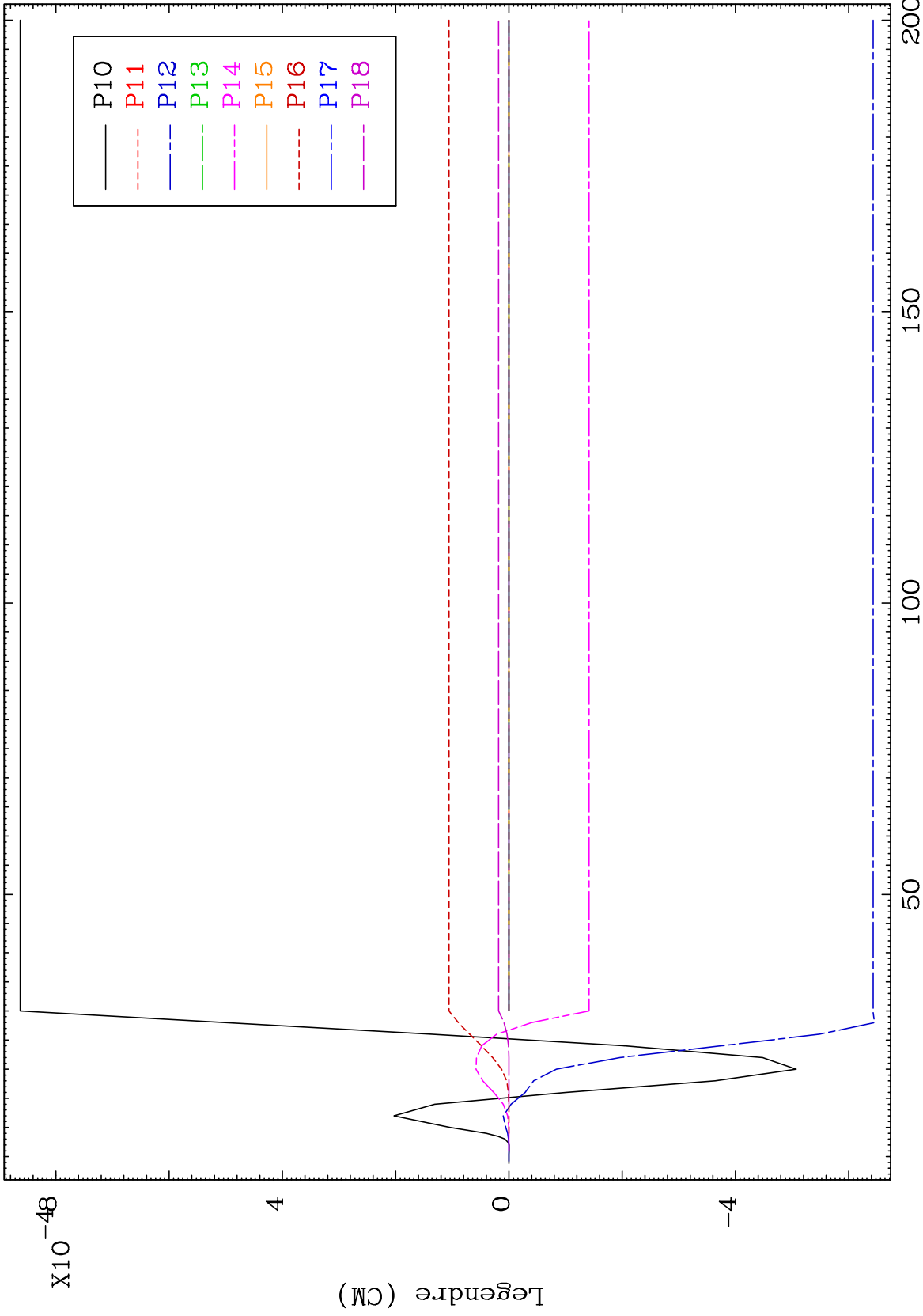
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



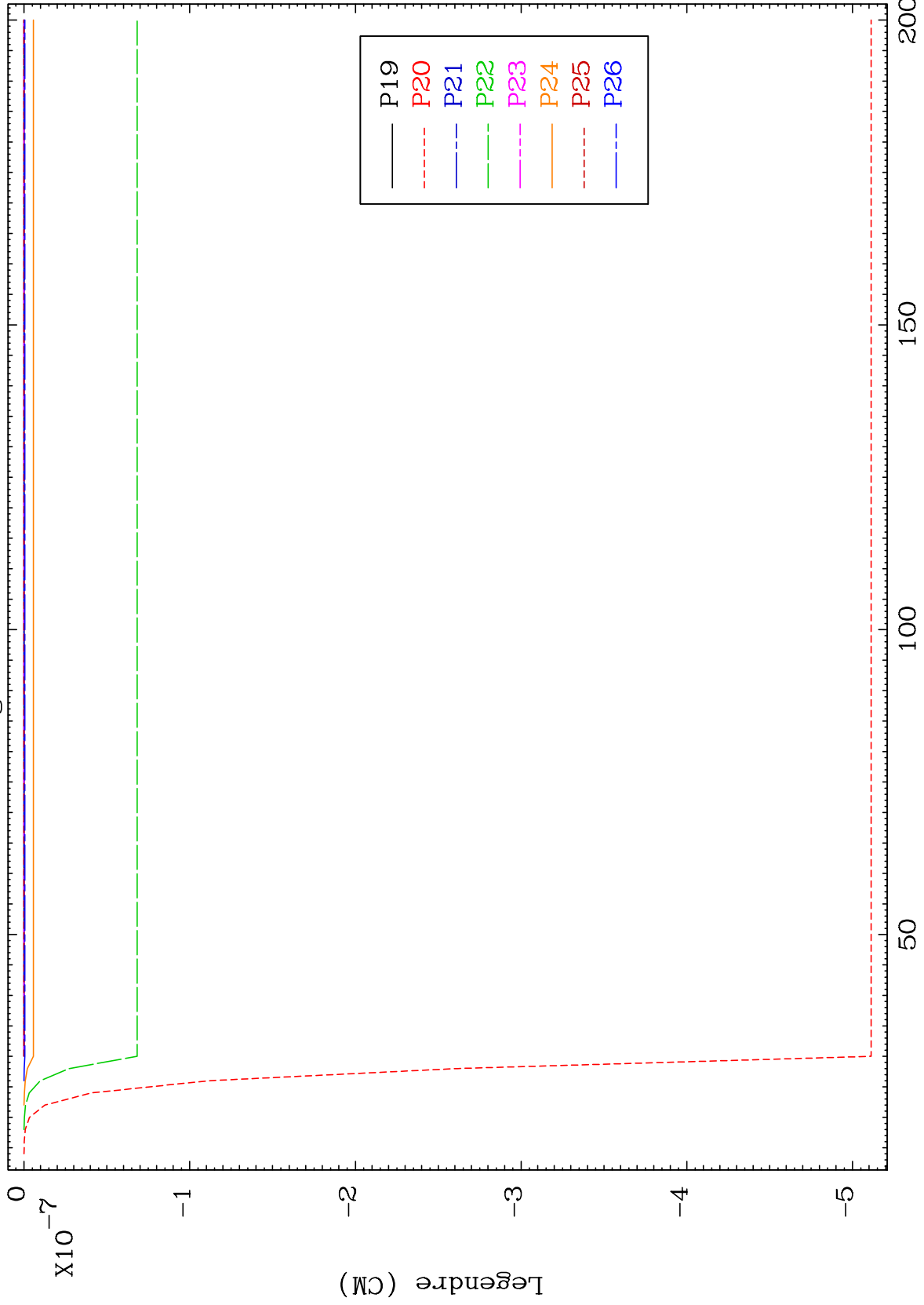
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64-Gd-146

MAT 6407

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

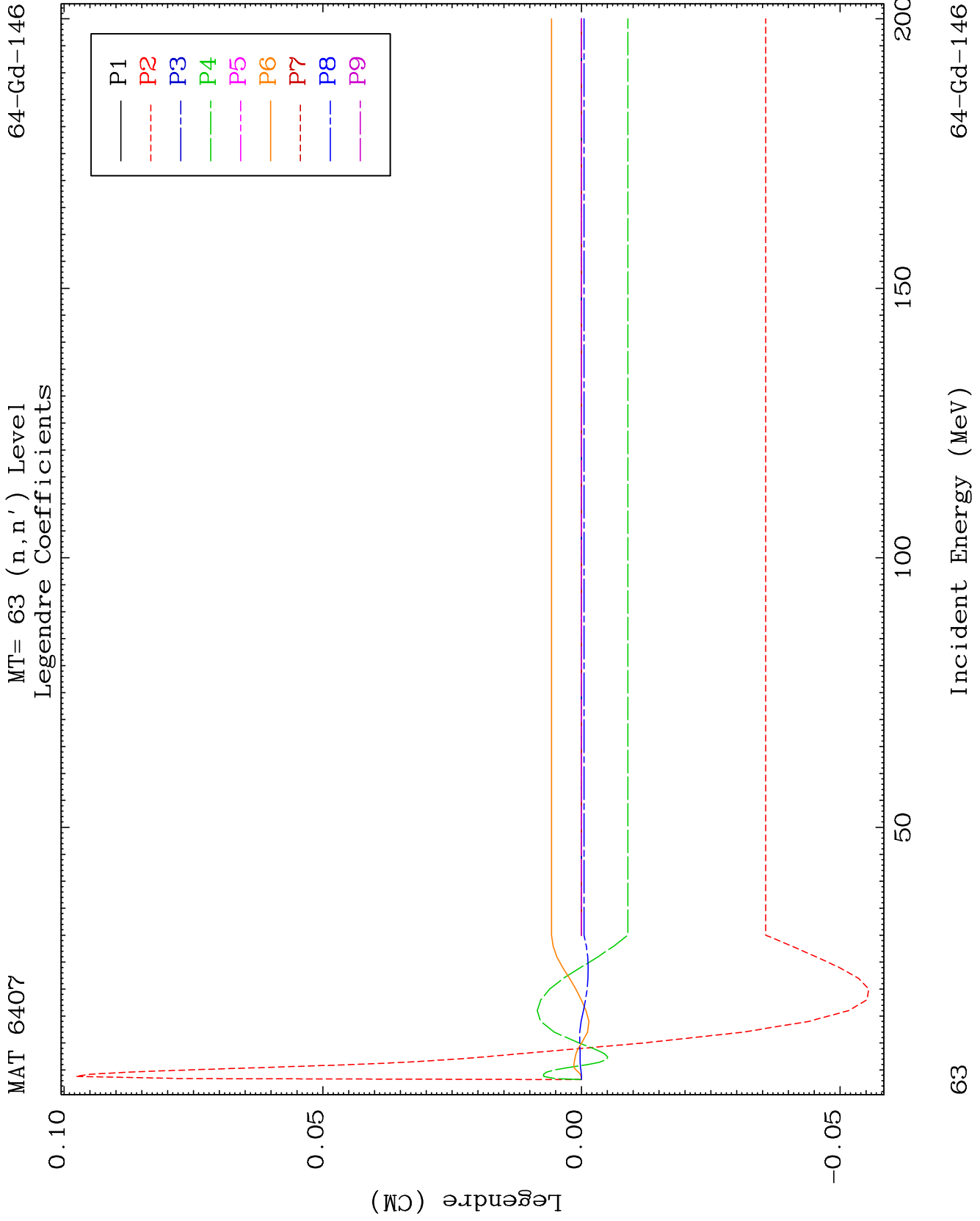
64-Gd-146



64-Gd-146

Incident Energy (MeV)

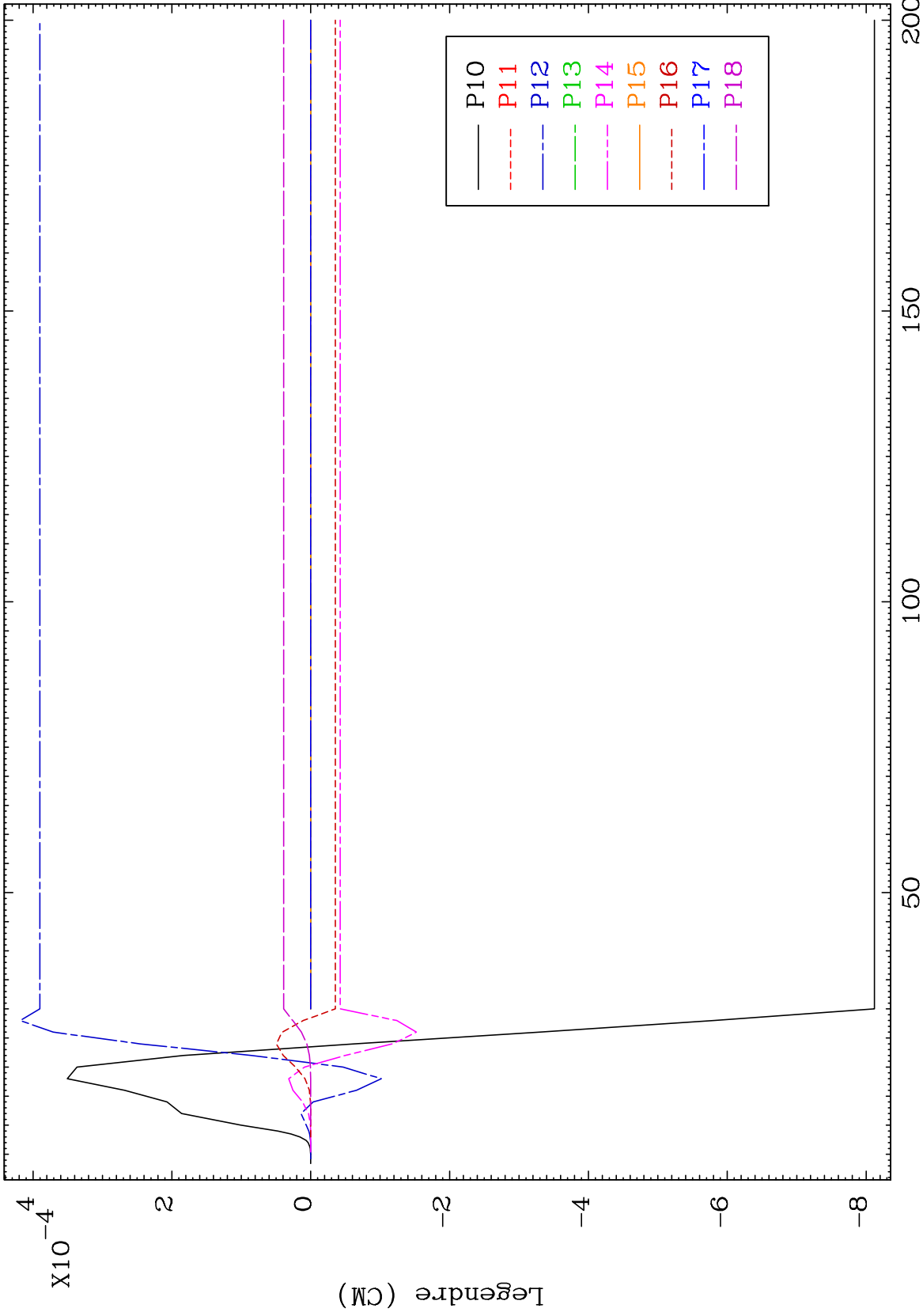
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MAT 6407

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

64-Gd-146



64

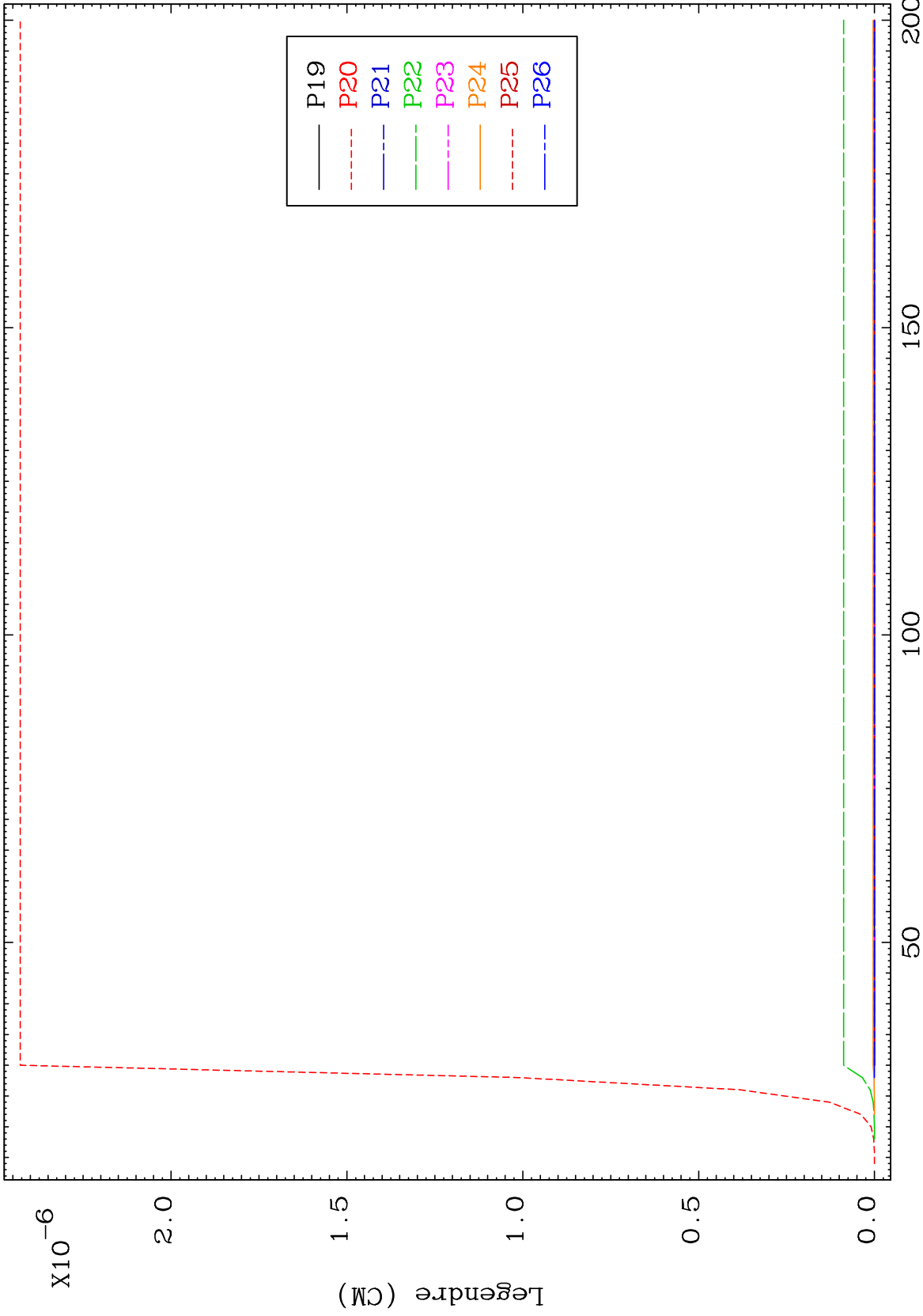
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



65

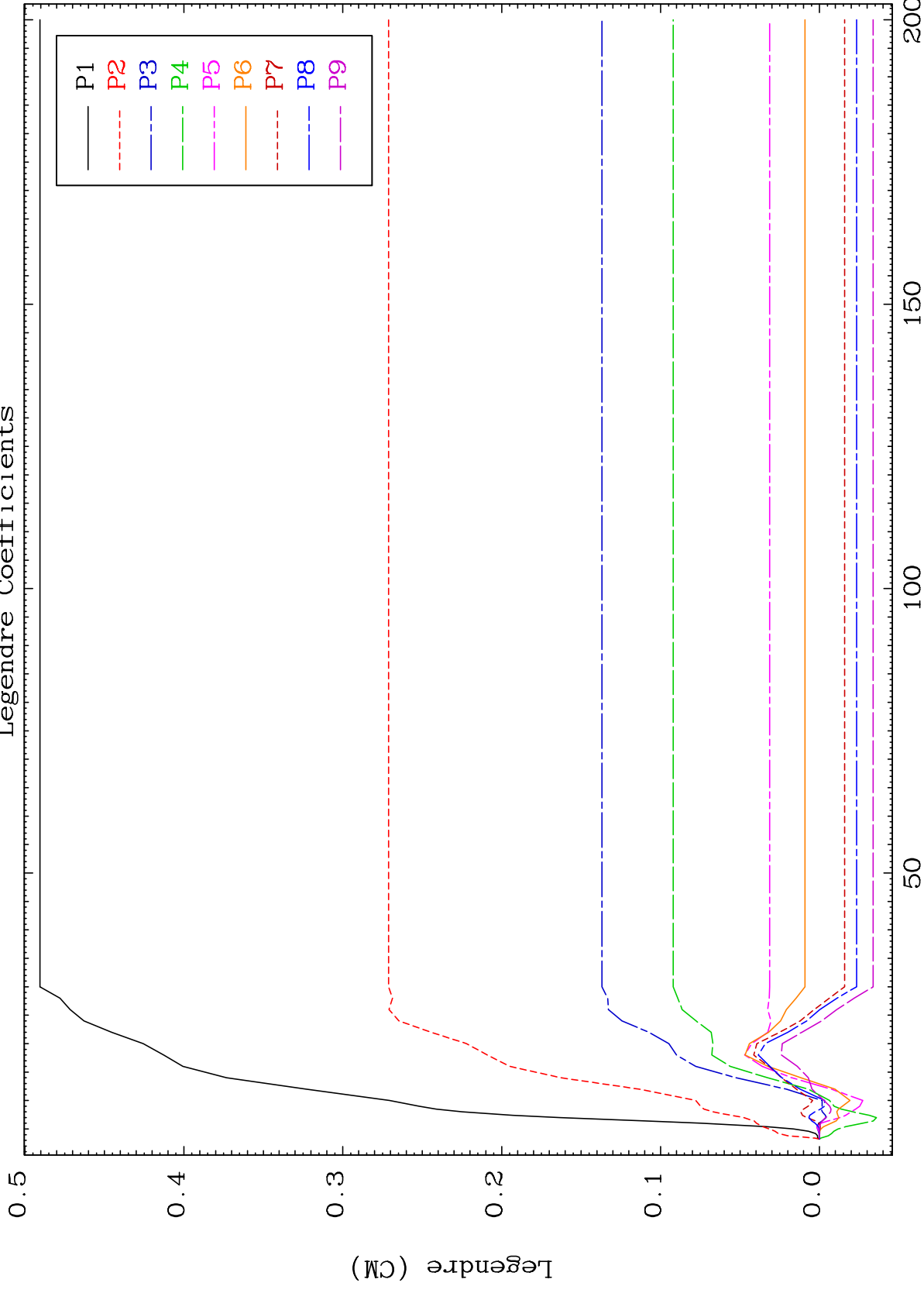
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

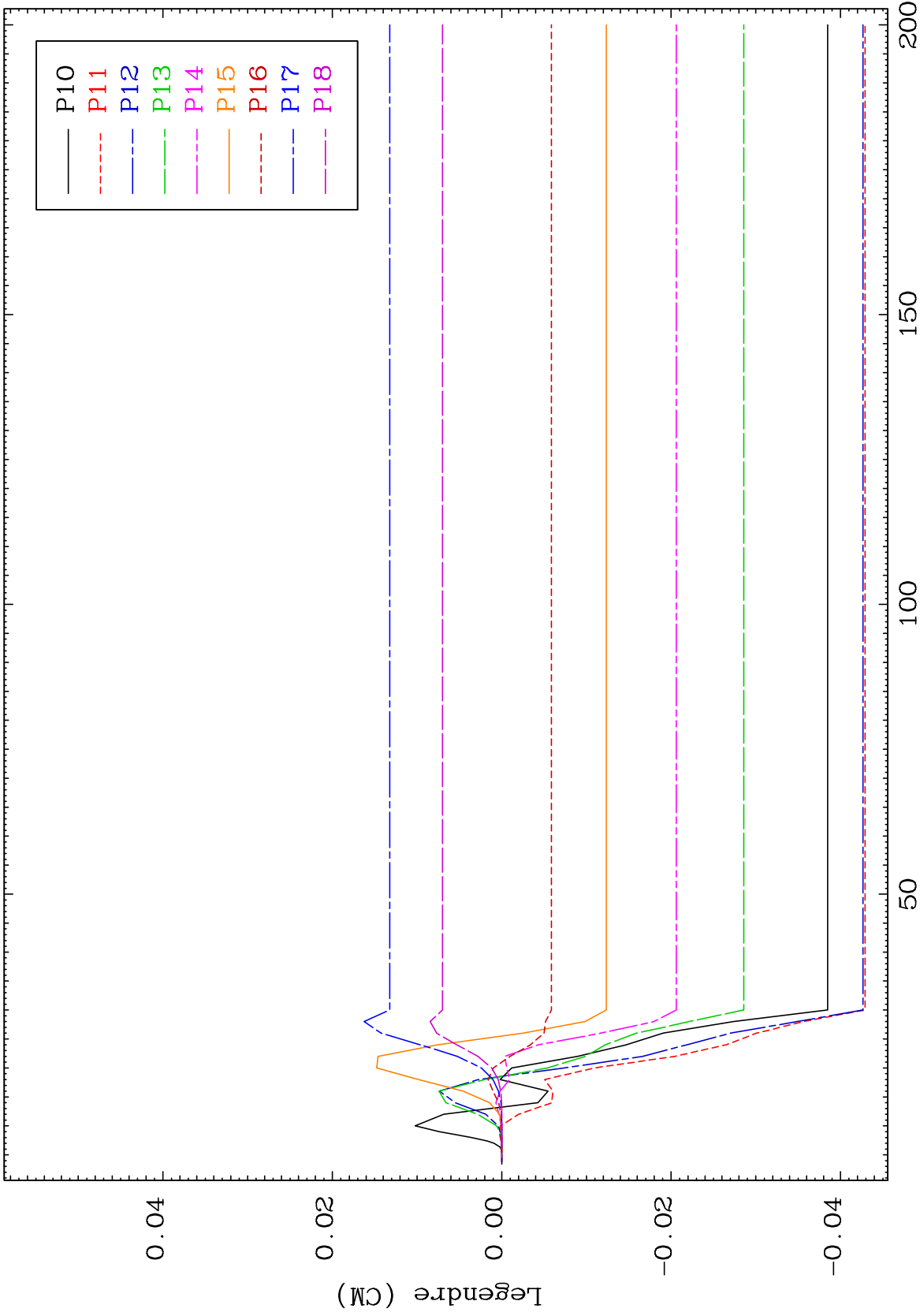
Incident Energy (MeV)

66

MAT 6407

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

64-Gd-146



67

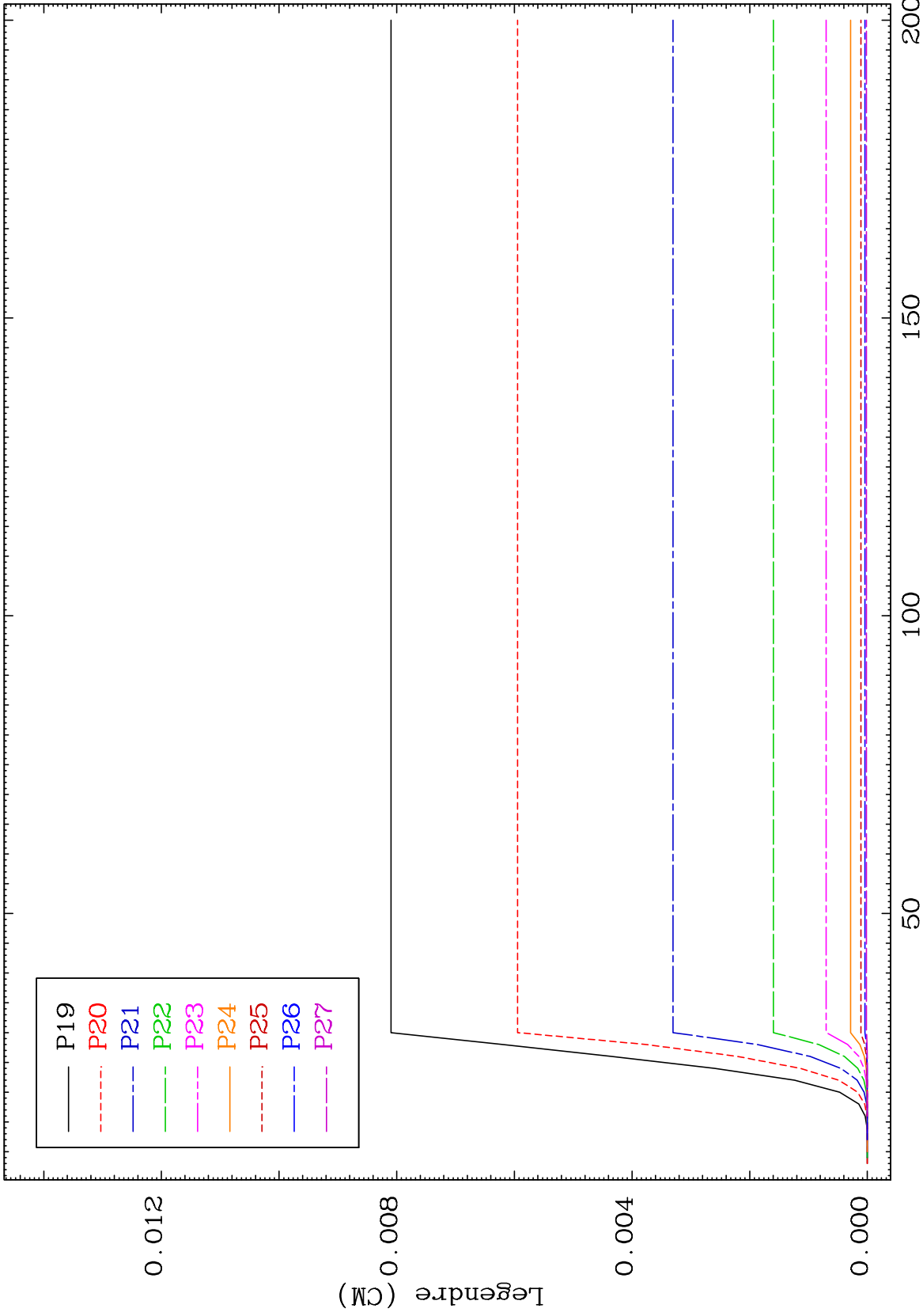
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



68

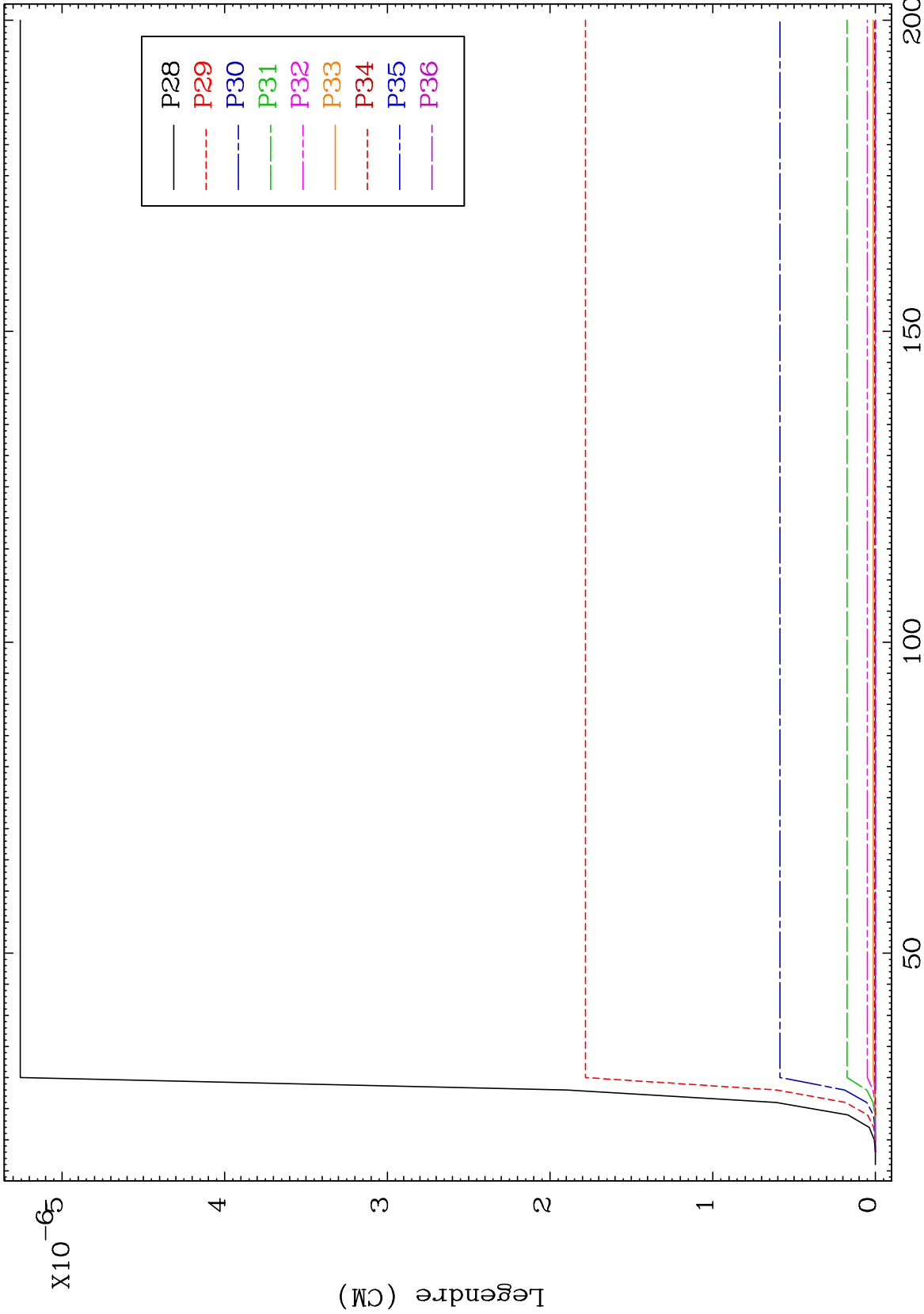
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146

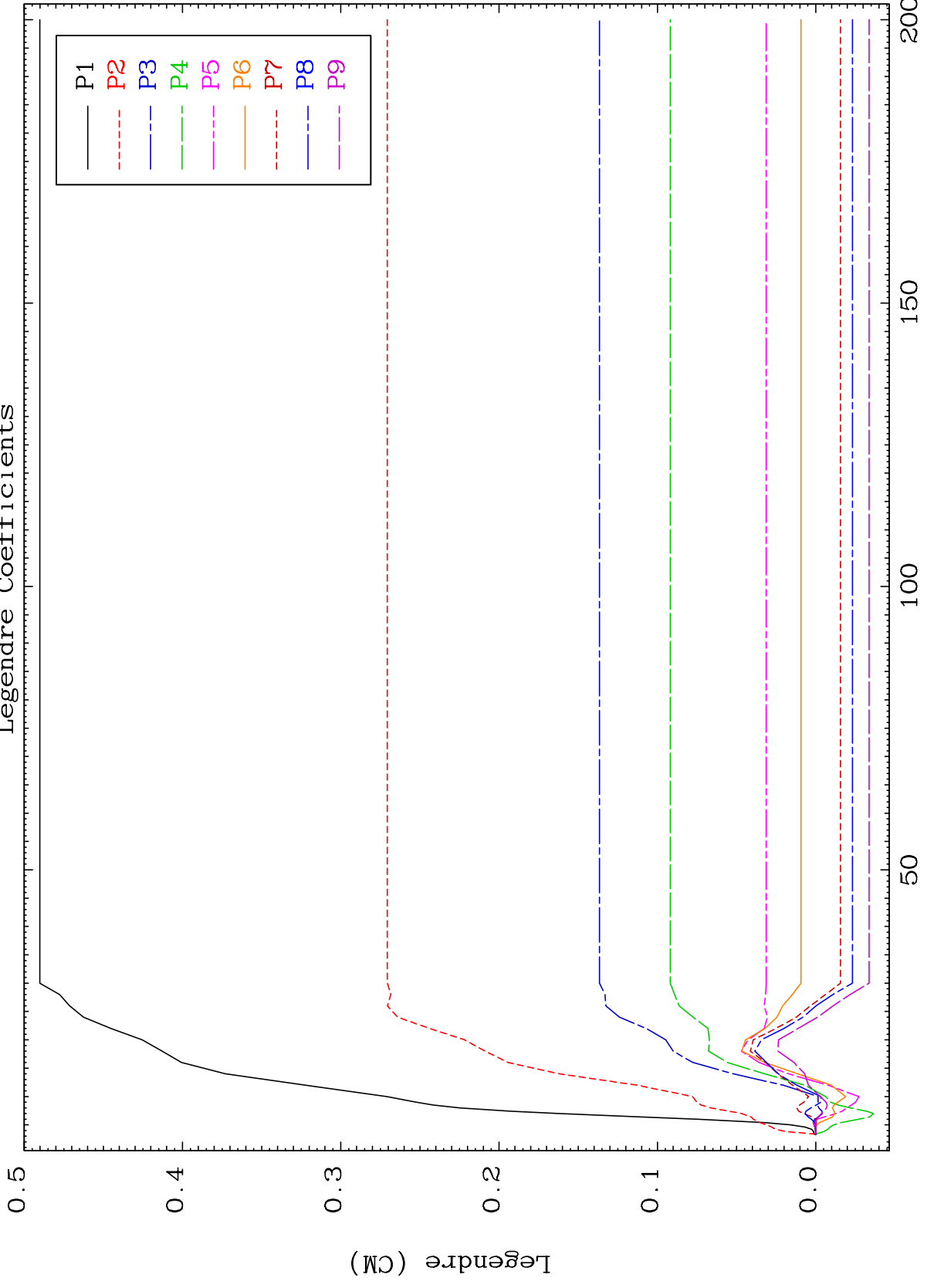


69

Incident Energy (MeV)

64-Gd-146

MAT 6407 MT= 65 (n,n') Level Legendre Coefficients 64-Gd-146

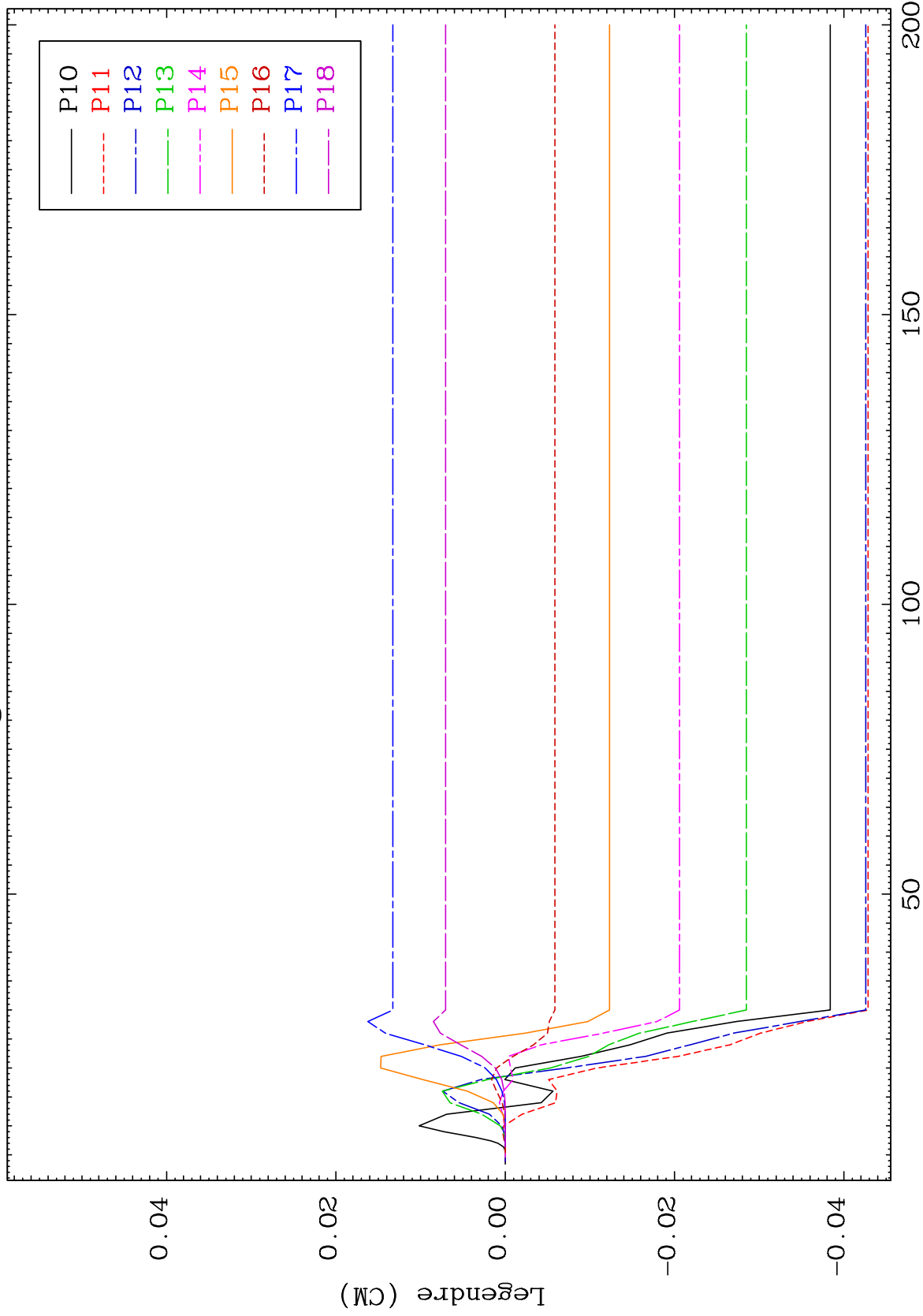


70 50 100 150 200 64-Gd-146

MAT 6407

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

64-Gd-146



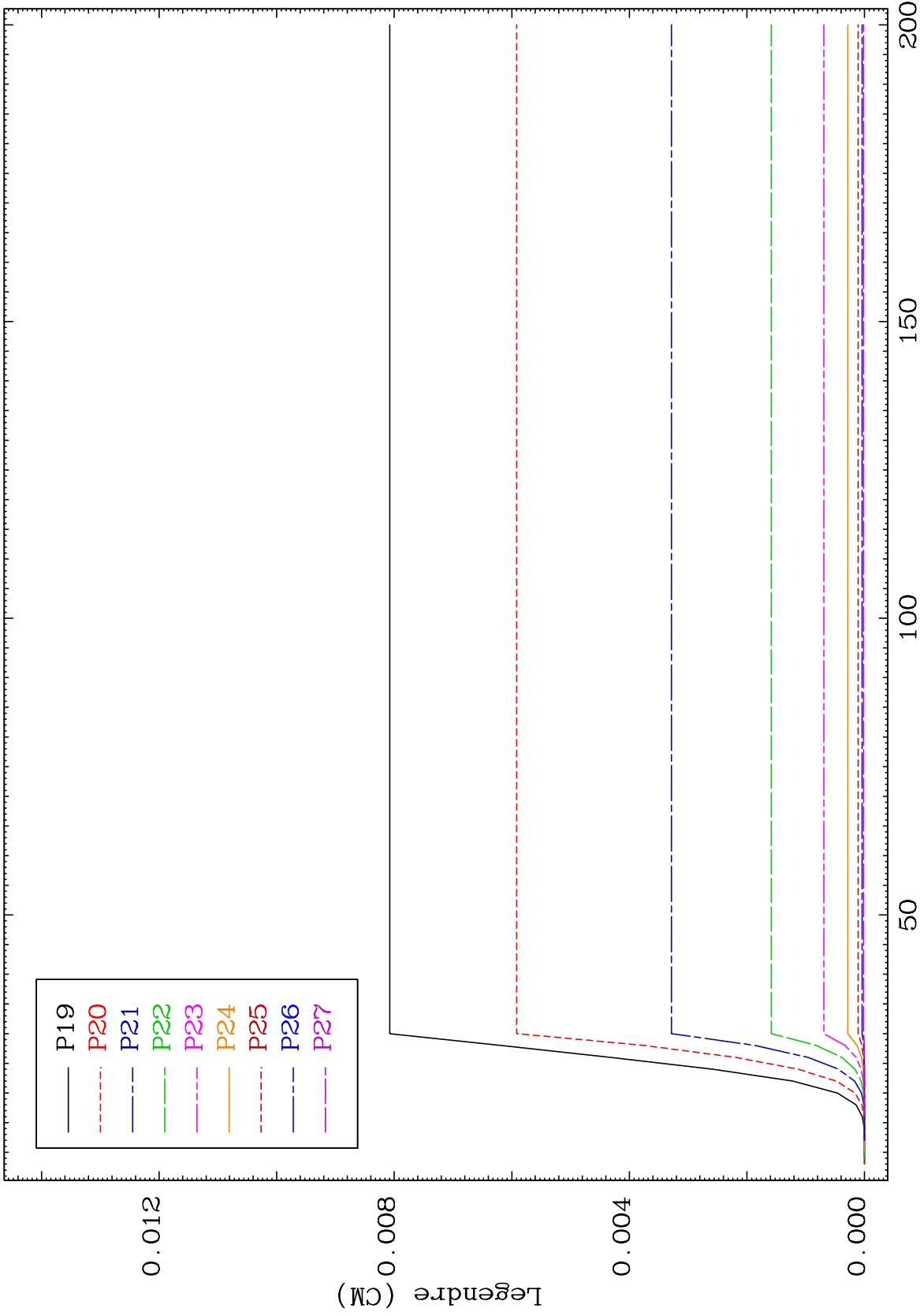
71

64-Gd-146

MAT 6407

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

64-Gd-146



72

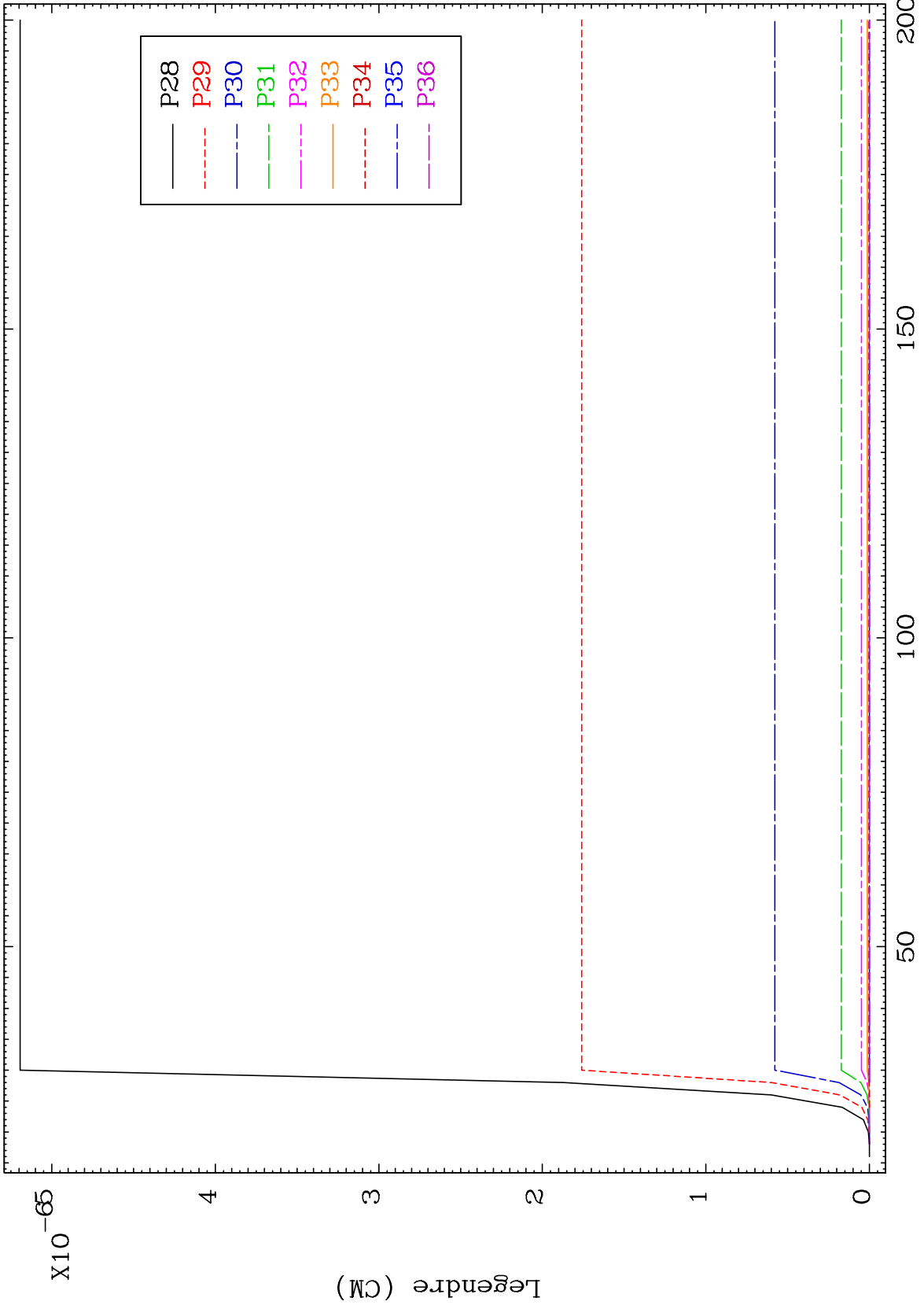
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

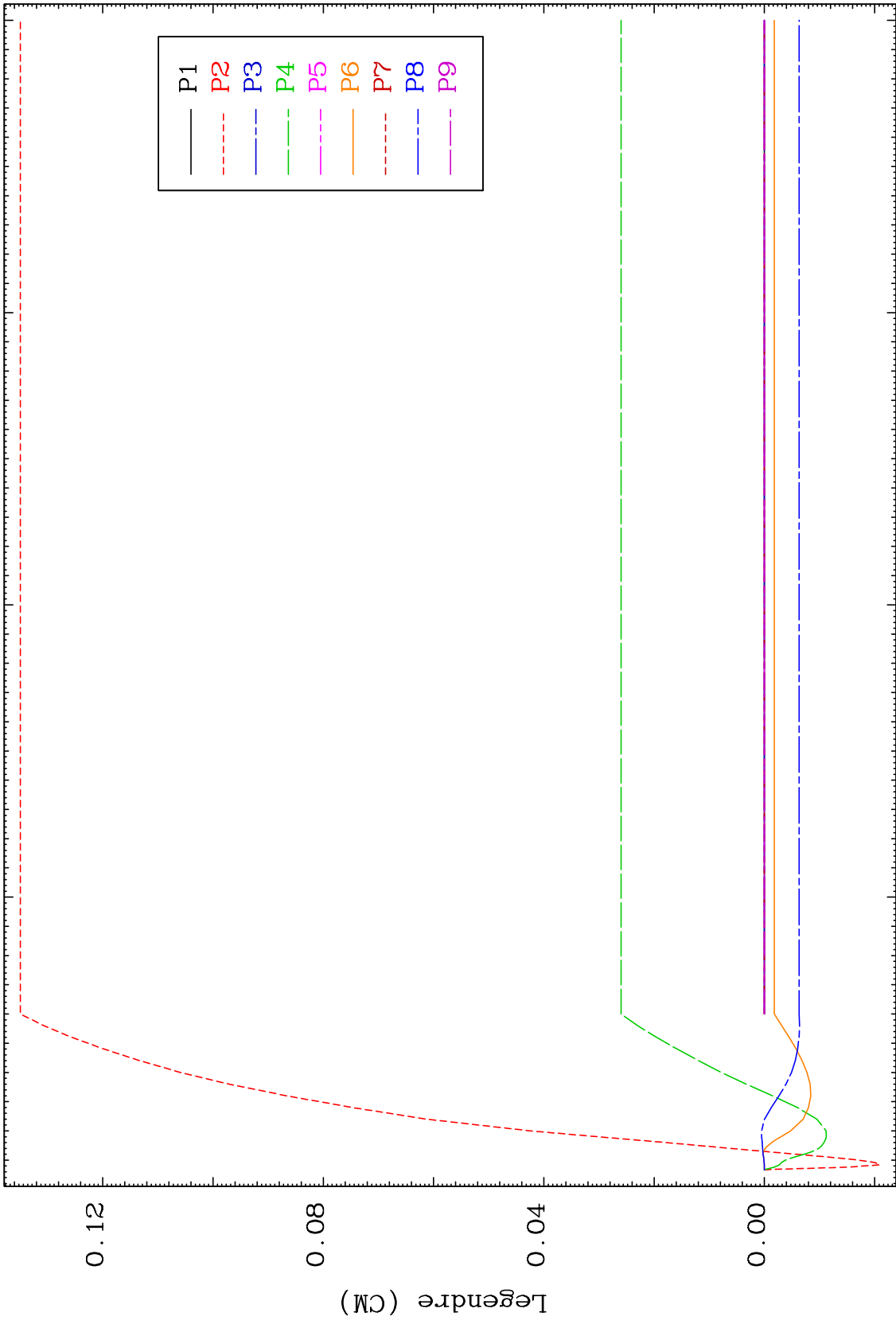
64-Gd-146



73

64-Gd-146

MAT 6407 MT= 66 (n,n') Level Legendre Coefficients 64-Gd-146

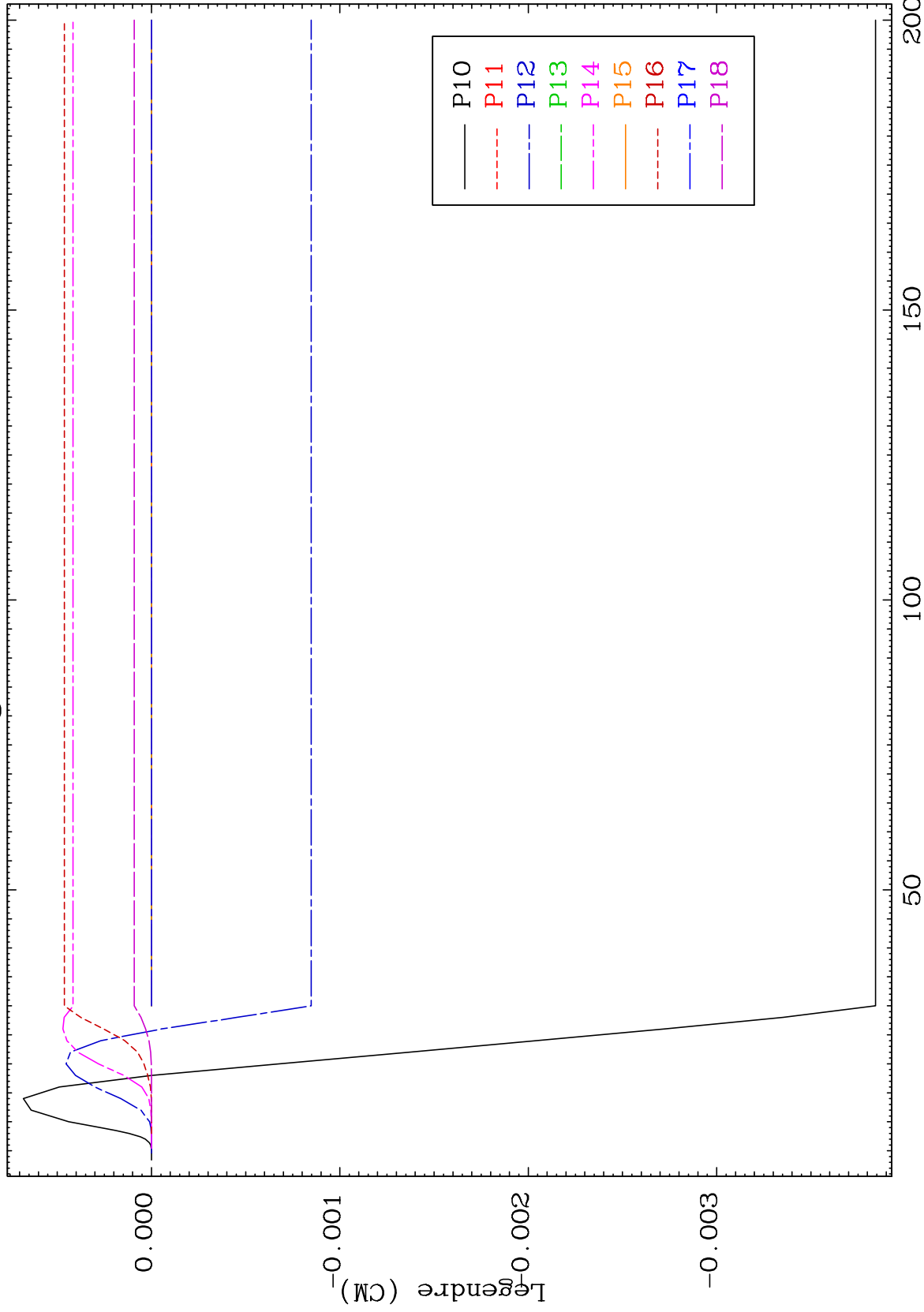


74 Incident Energy (MeV) 64-Gd-146

MAT 6407

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

64-Gd-146



75

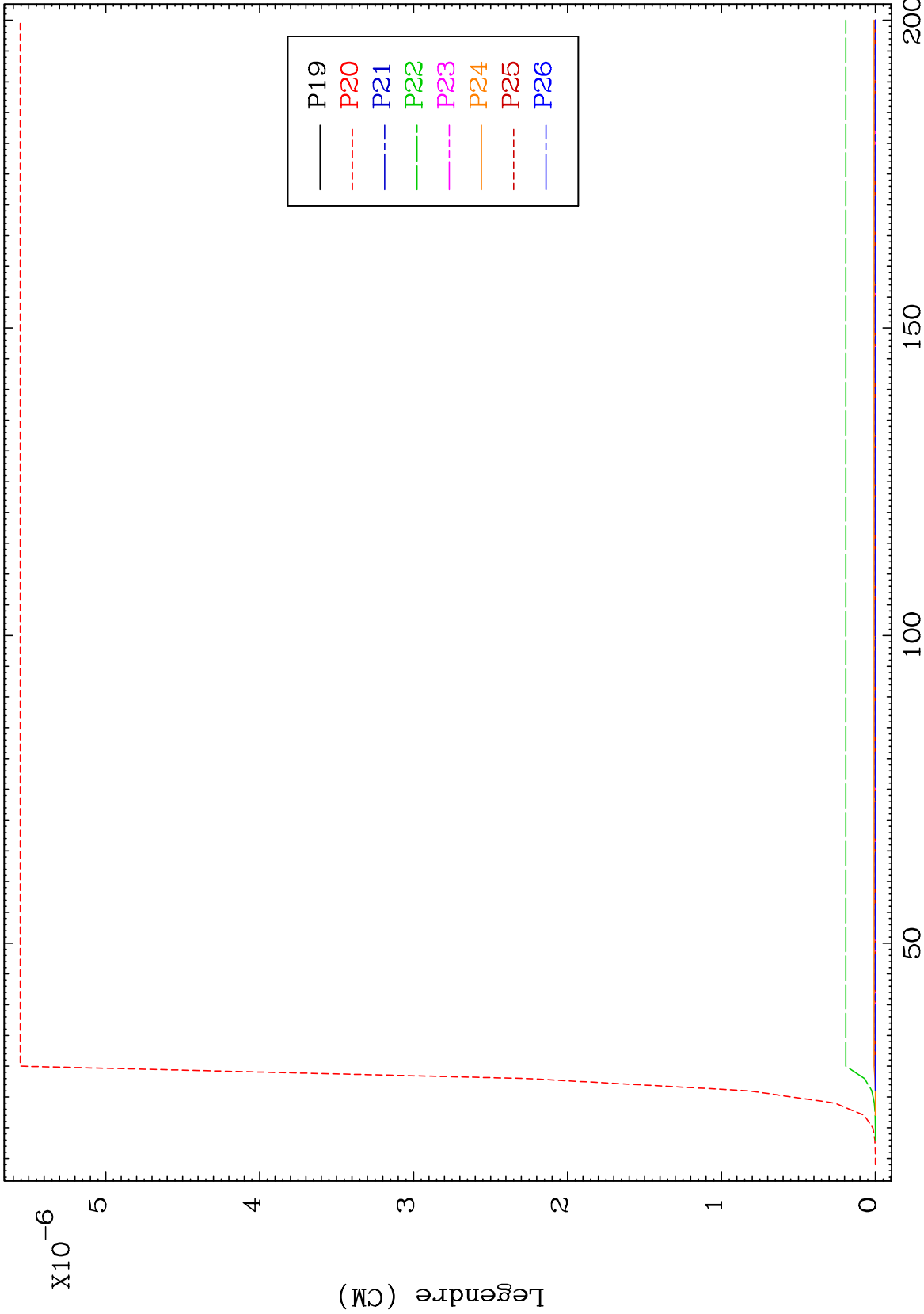
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



76

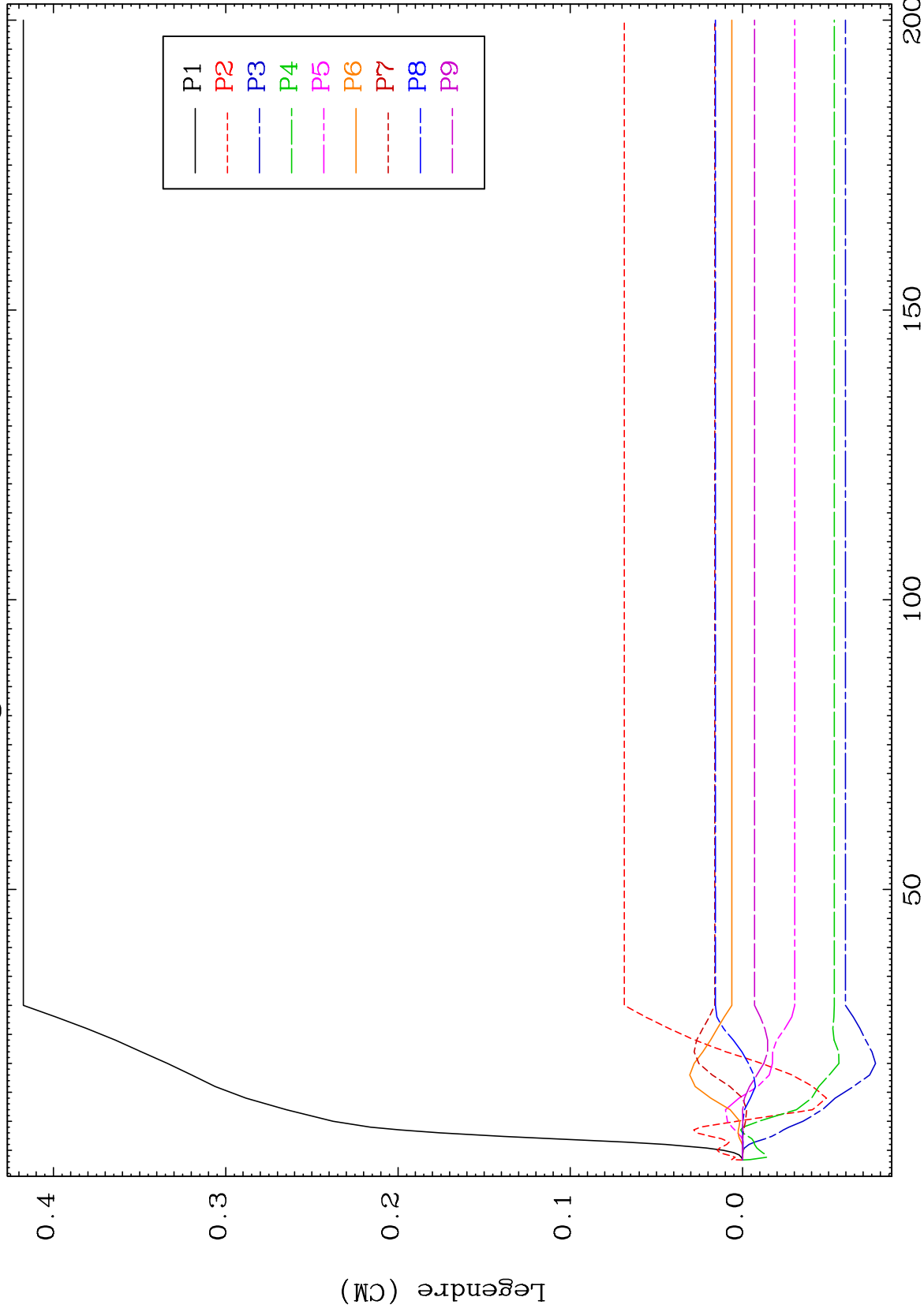
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



77

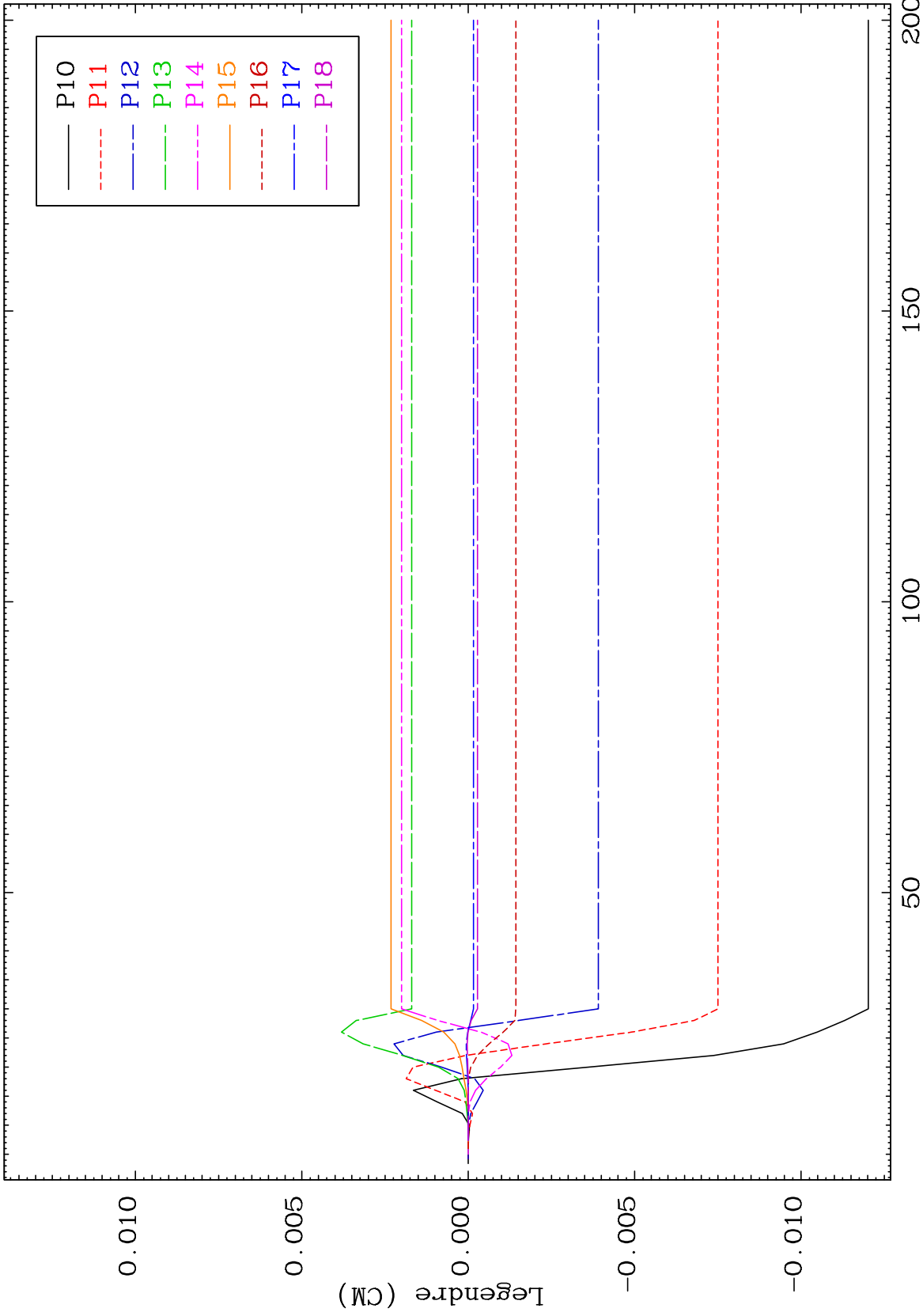
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



78

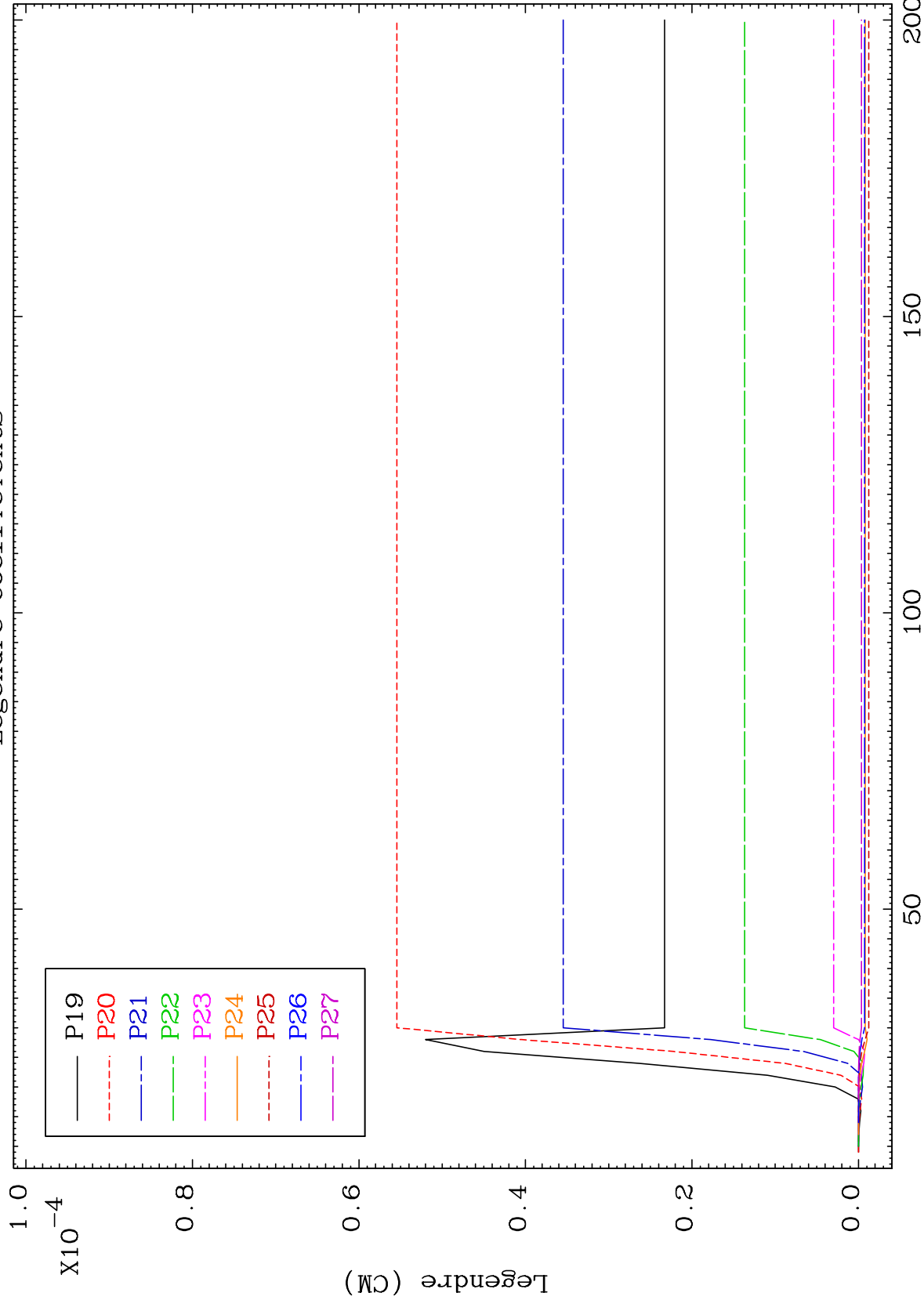
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



79

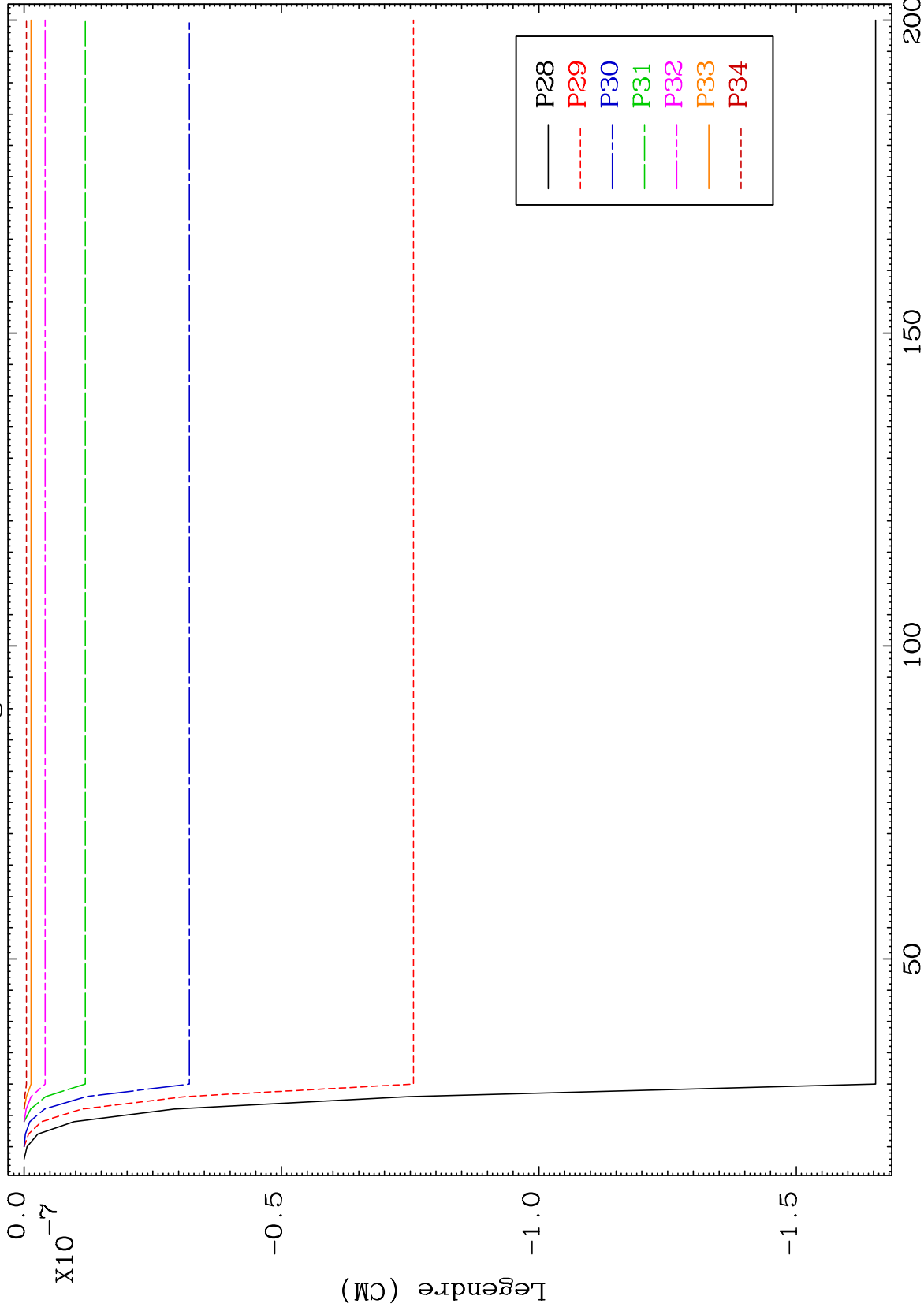
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

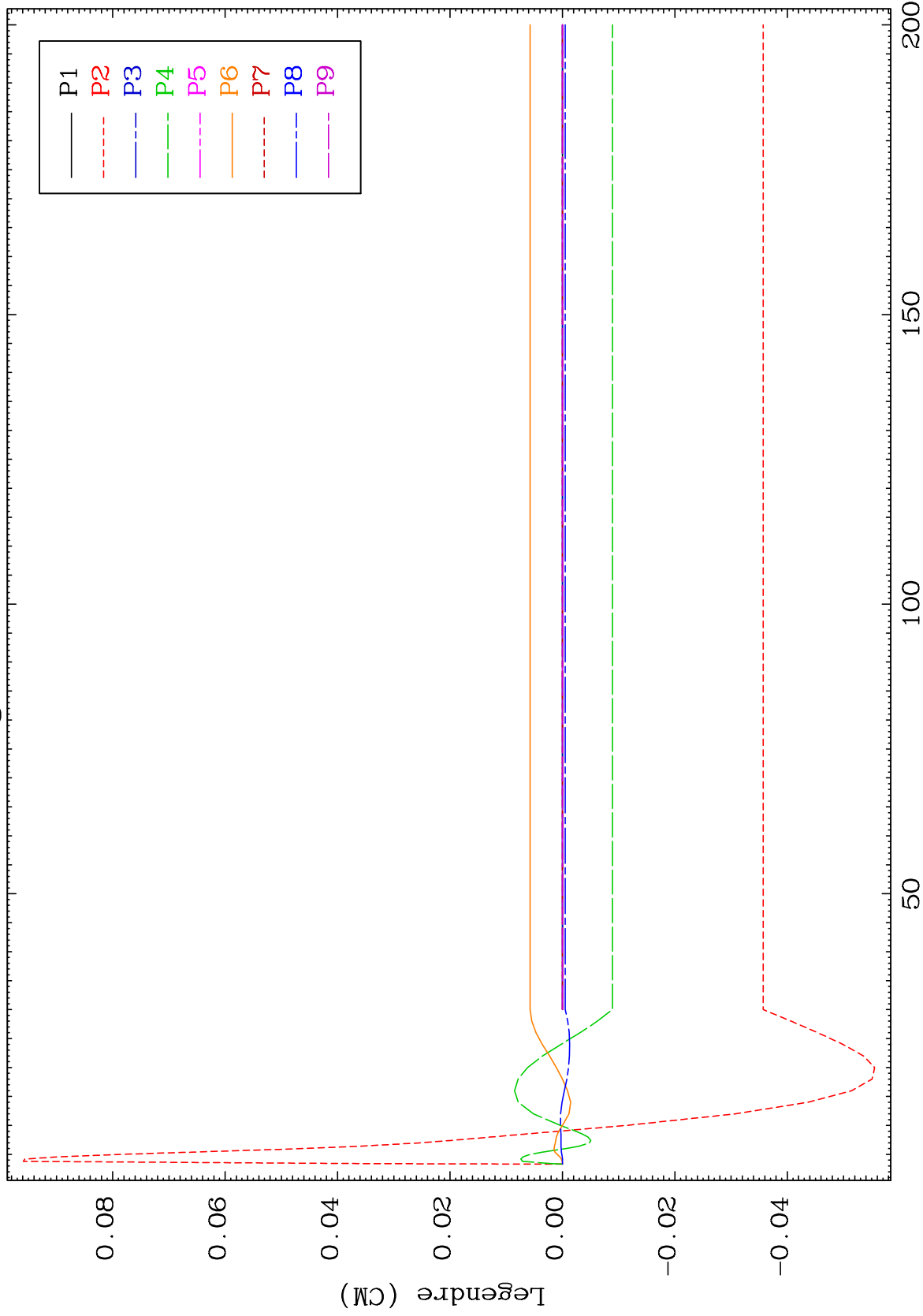
Incident Energy (MeV)

80

MAT 6407

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

64-Gd-146



81

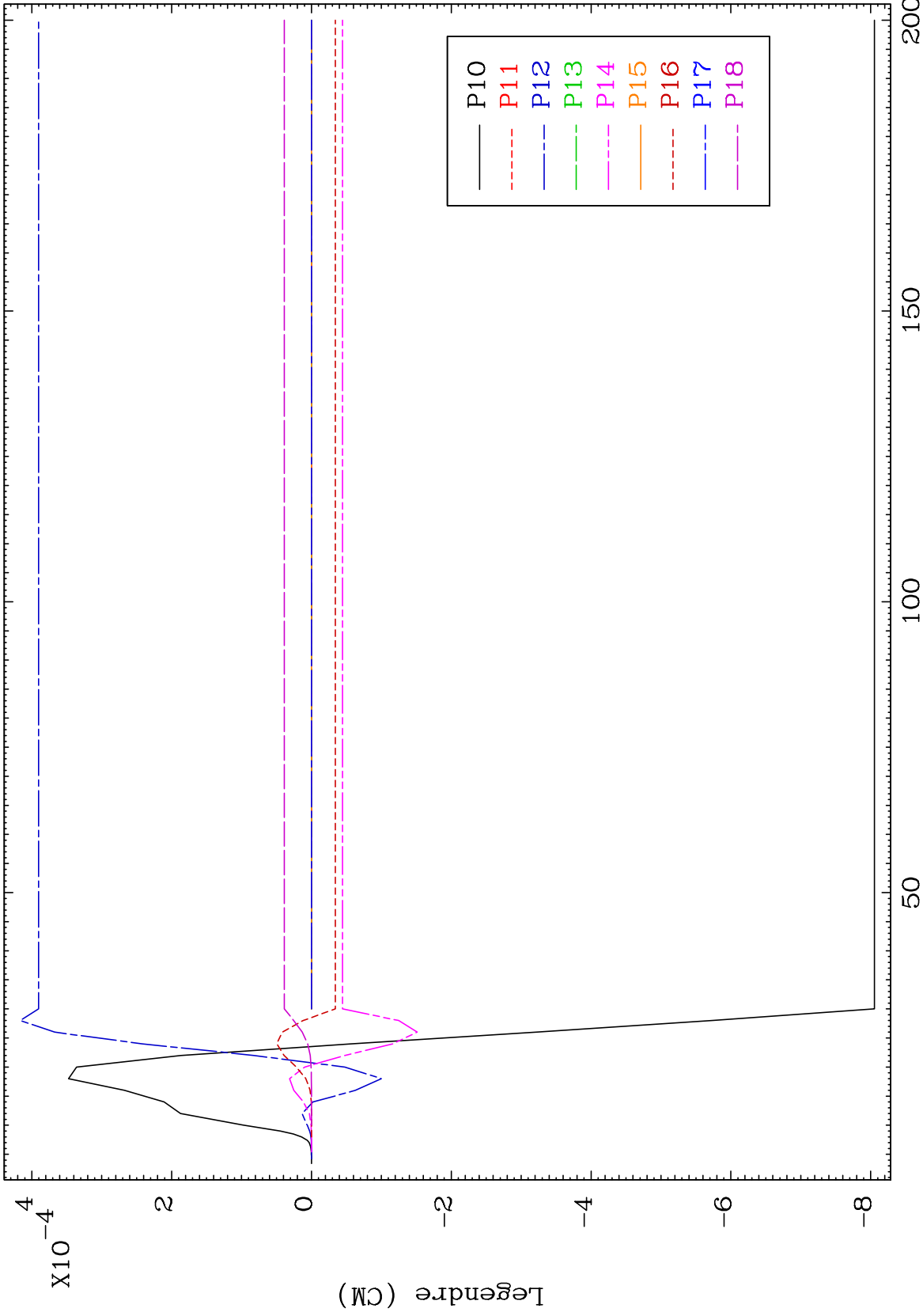
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



82

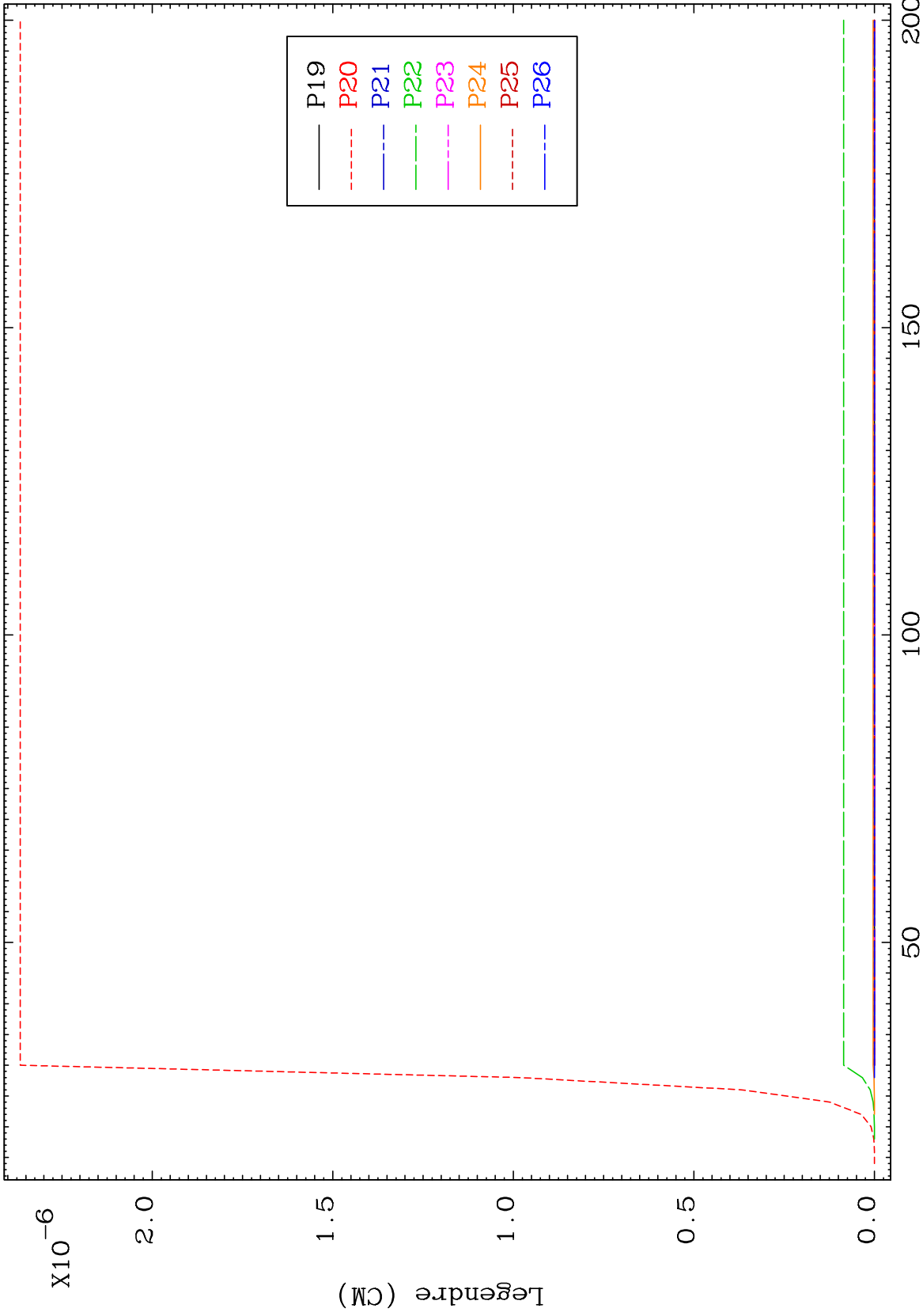
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



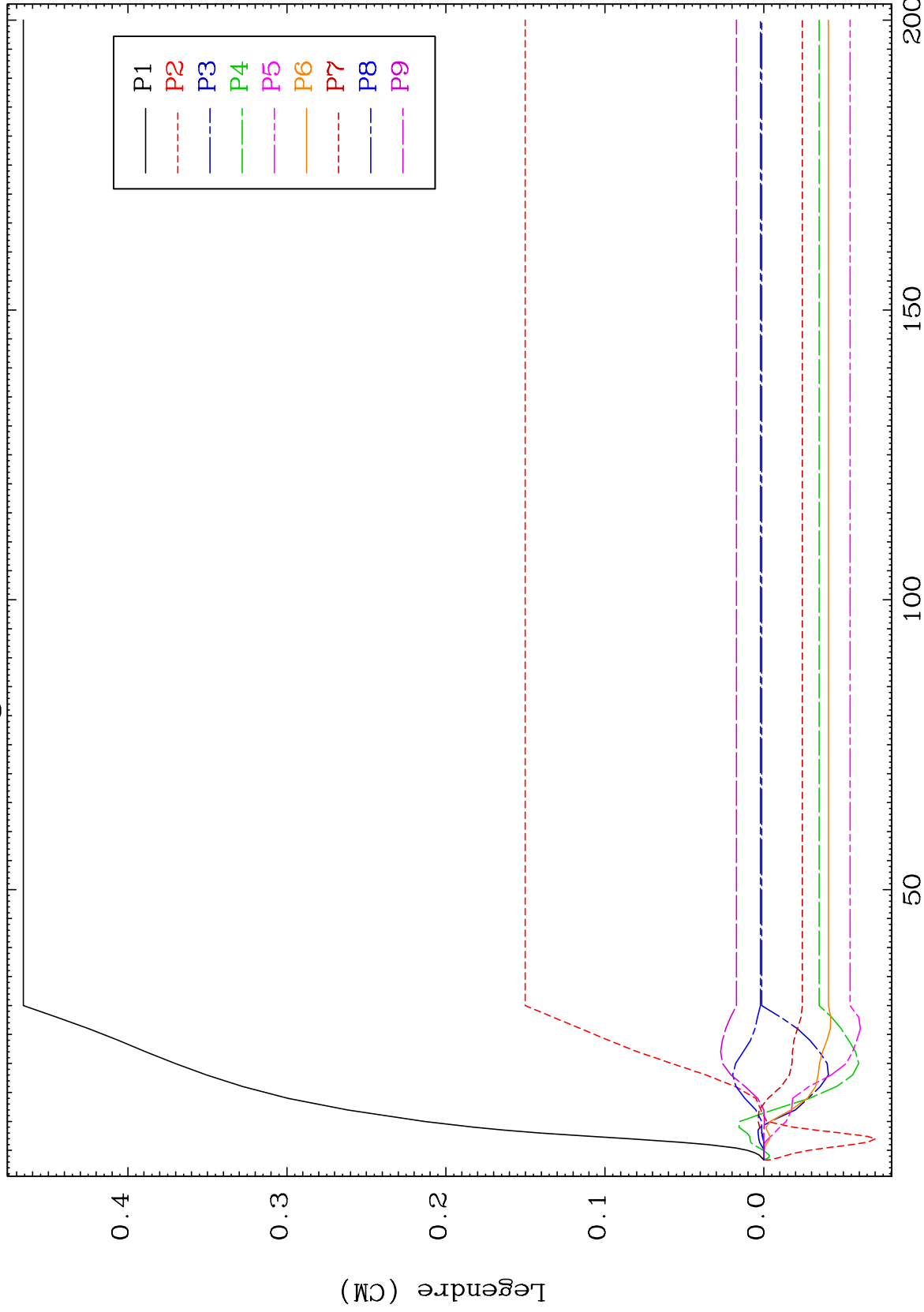
83

64-Gd-146

MAT 6407

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

64-Gd-146



84

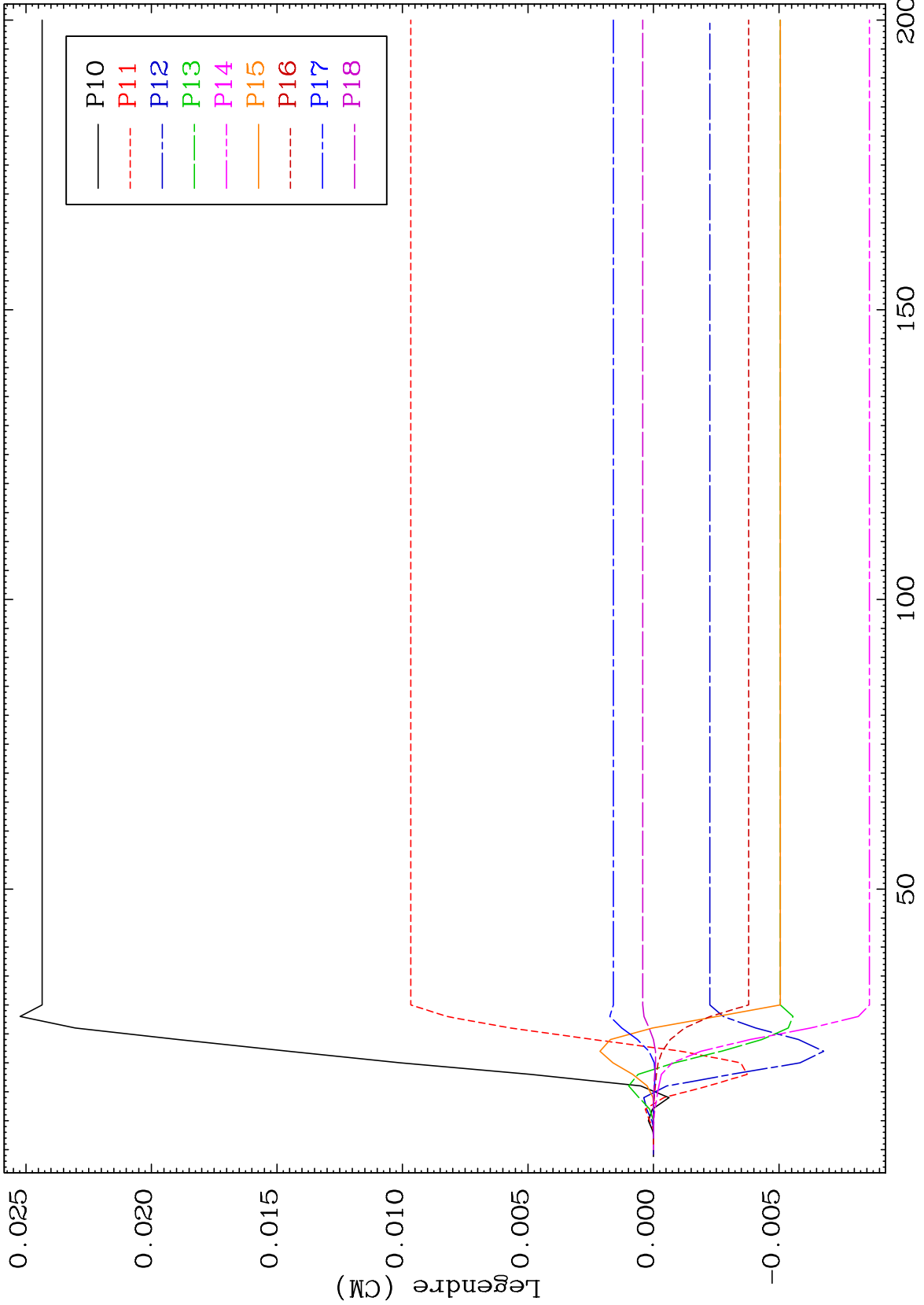
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

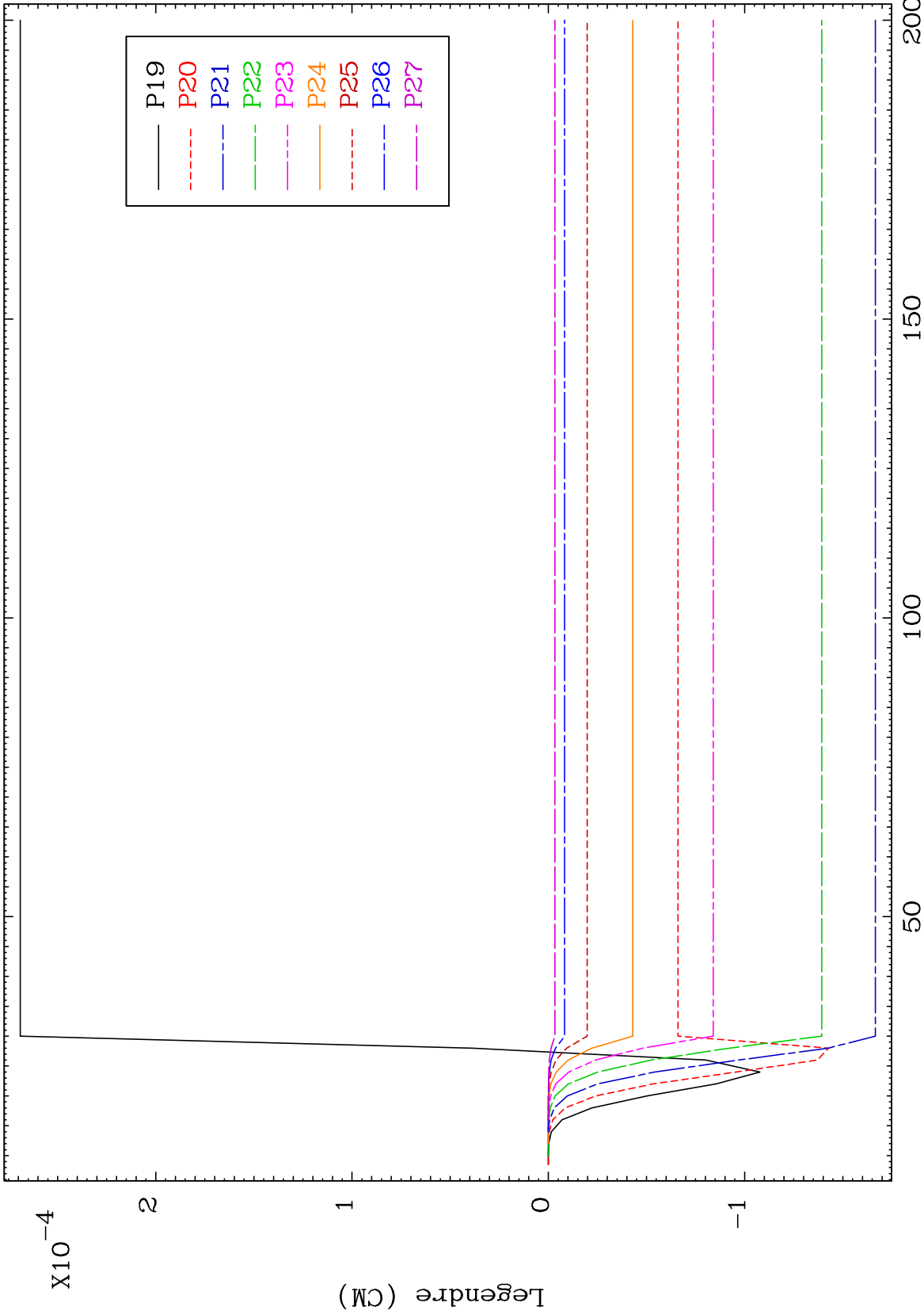
64-Gd-146



85

Incident Energy (MeV)

64-Gd-146

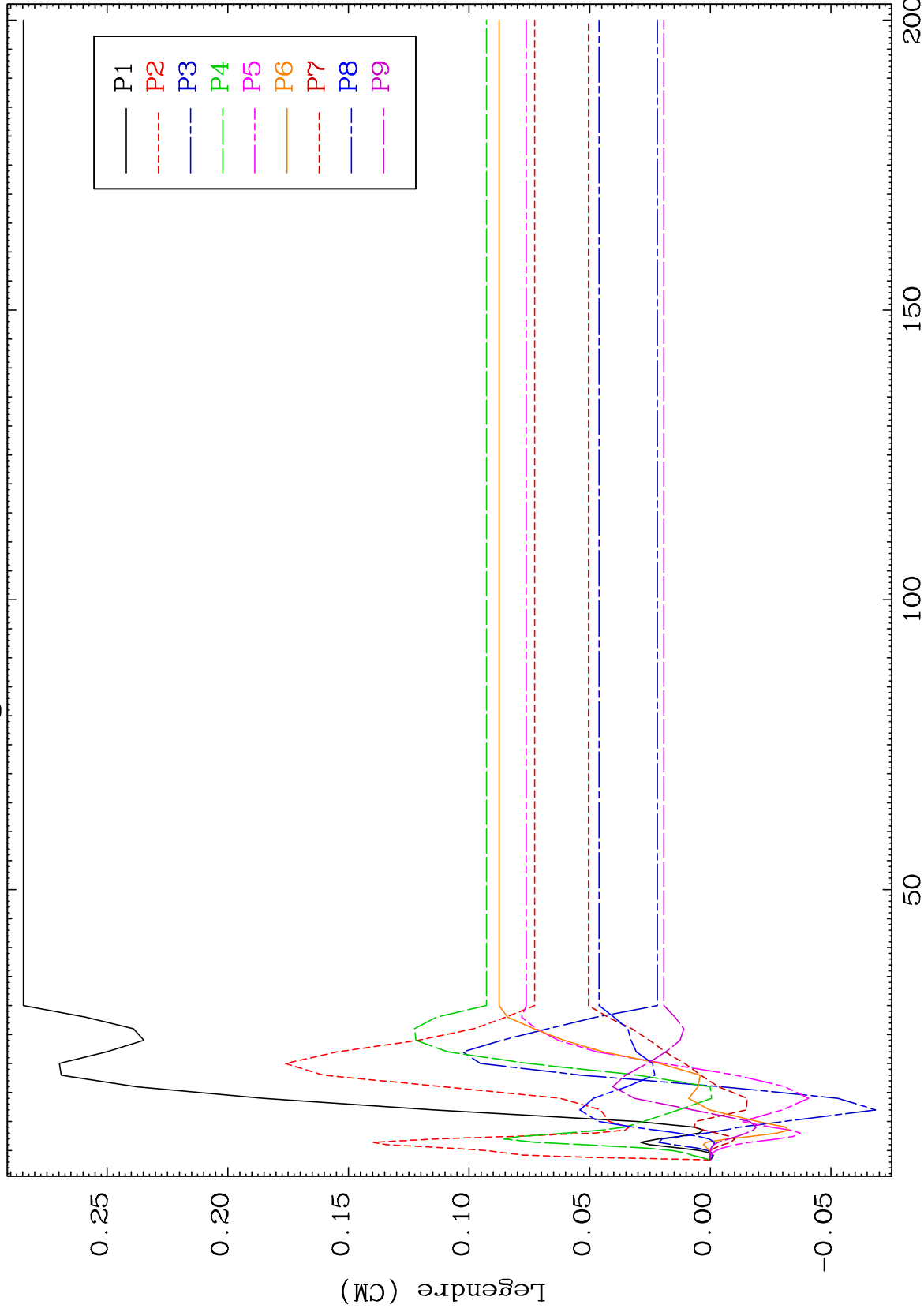




MAT 6407

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

64-Gd-146



88

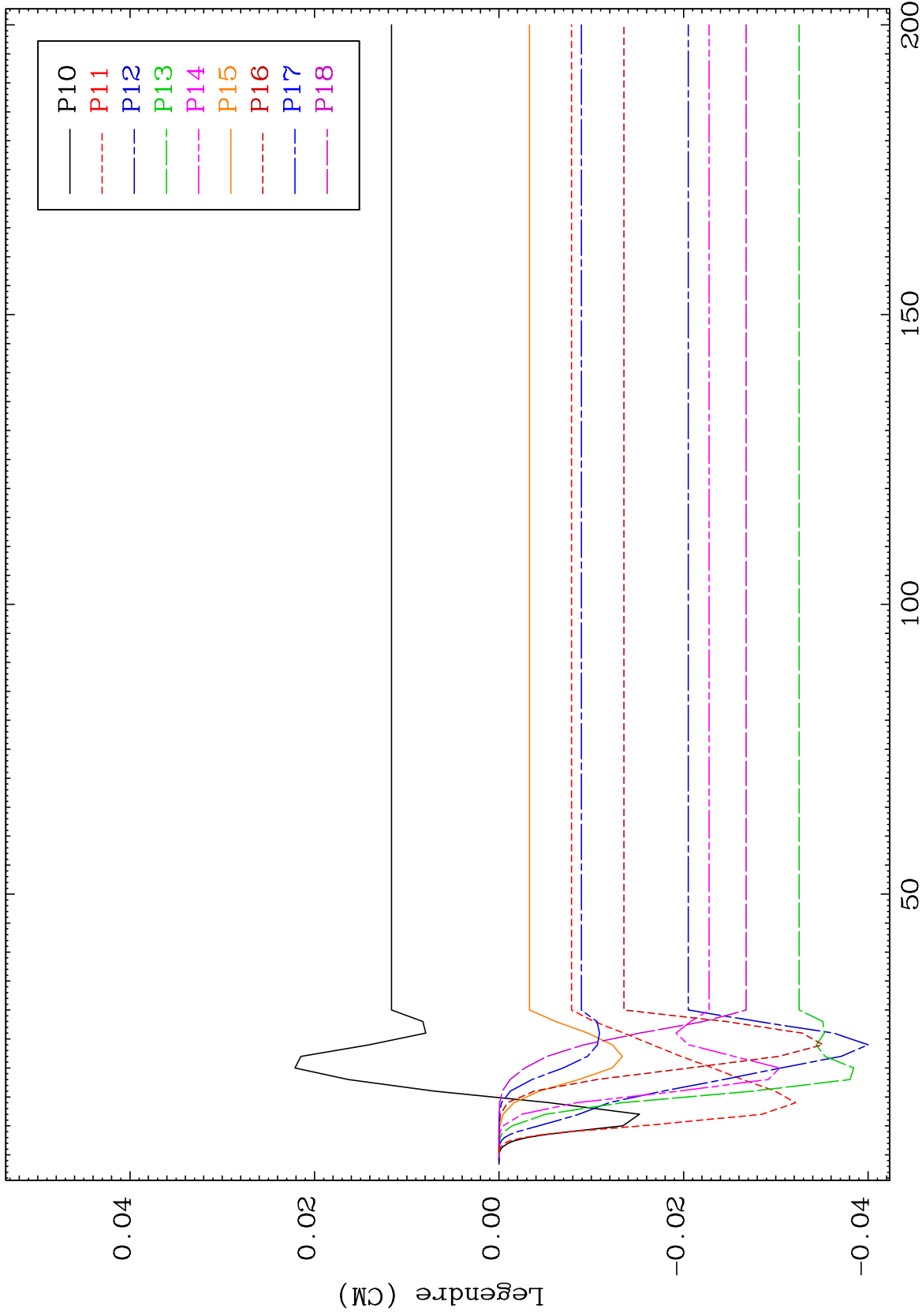
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



89

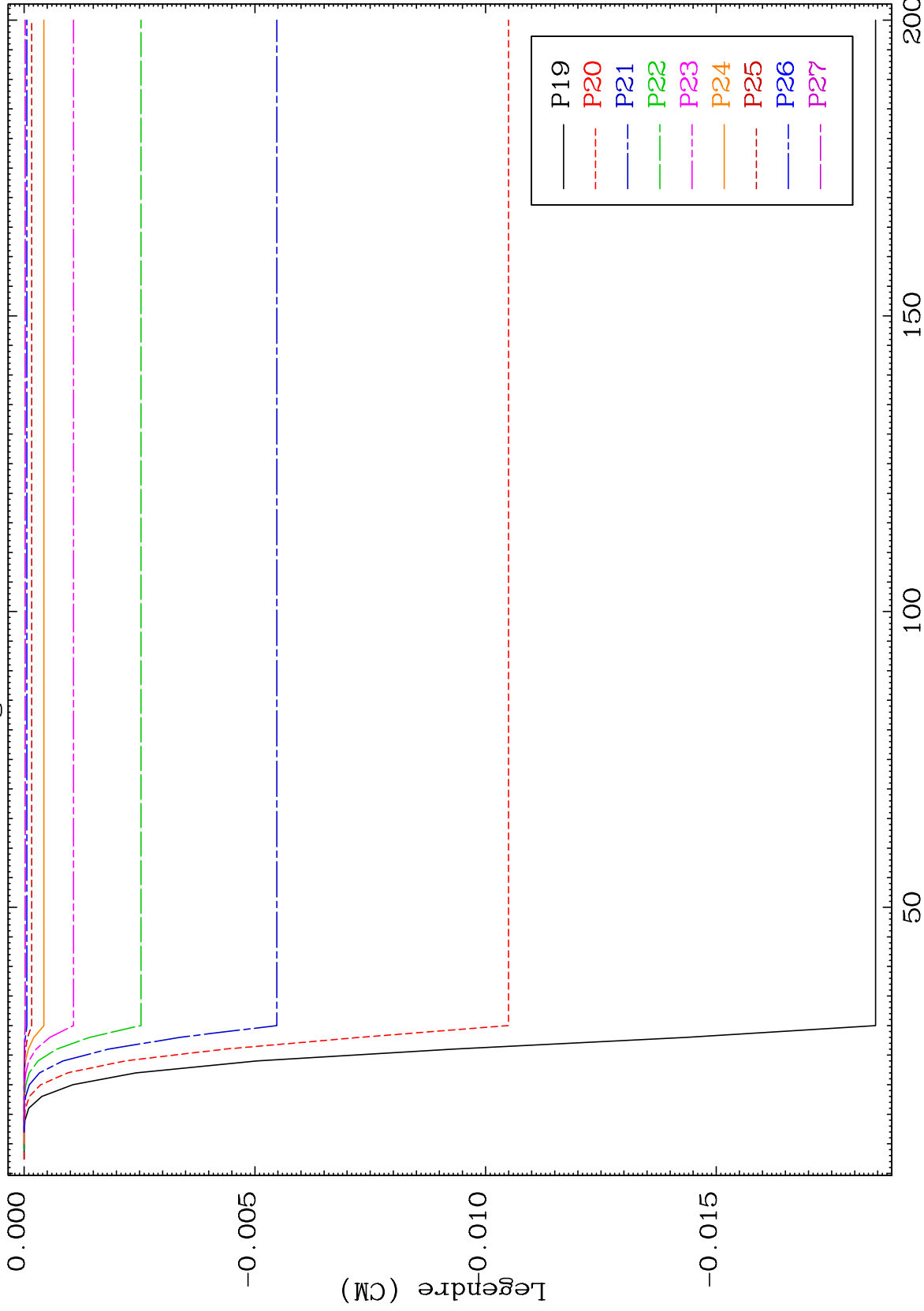
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

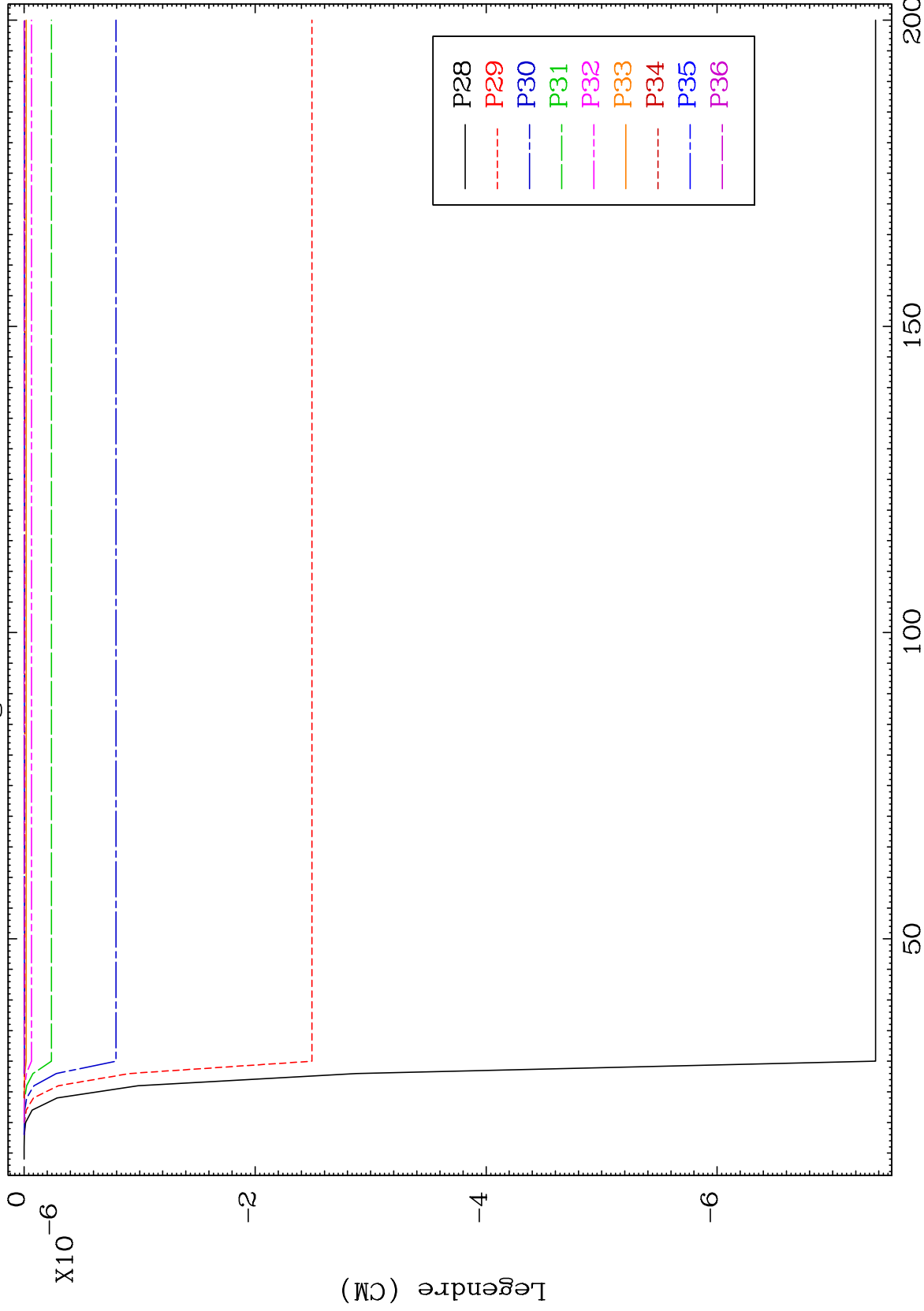
Incident Energy (MeV)

90

MAT 6407

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

64-Gd-146



91

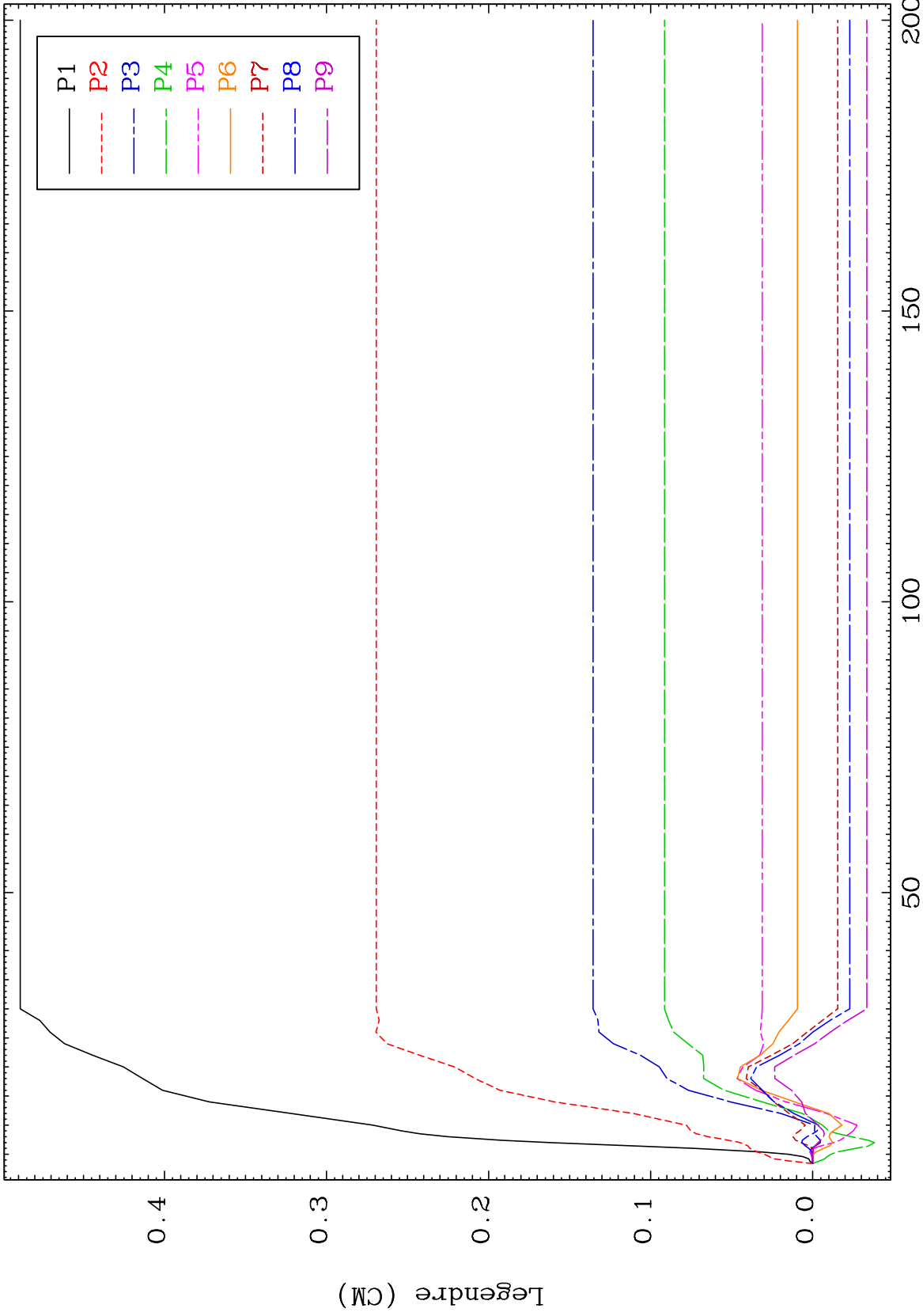
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



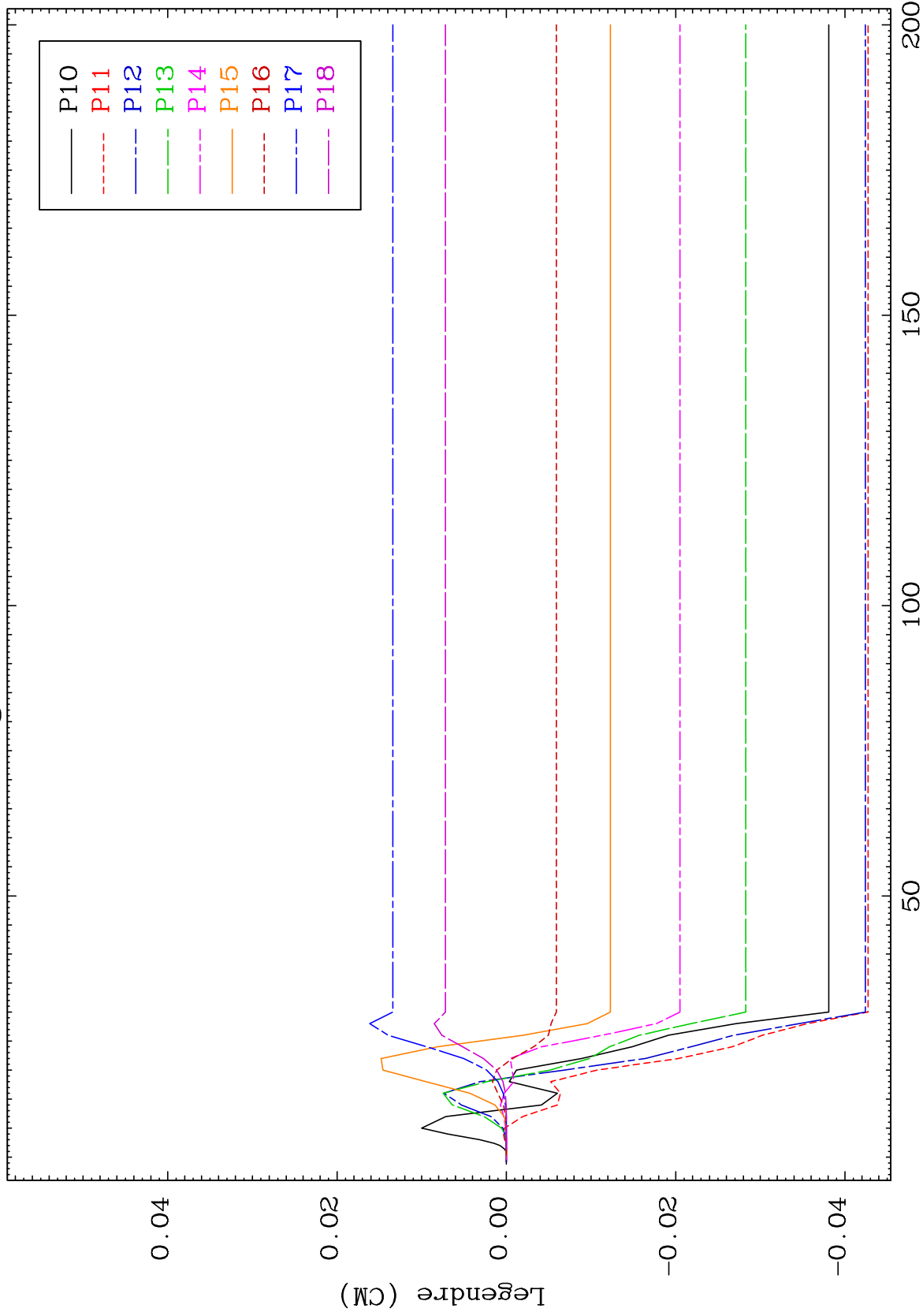
92

64-Gd-146

MAT 6407

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

64-Gd-146



93

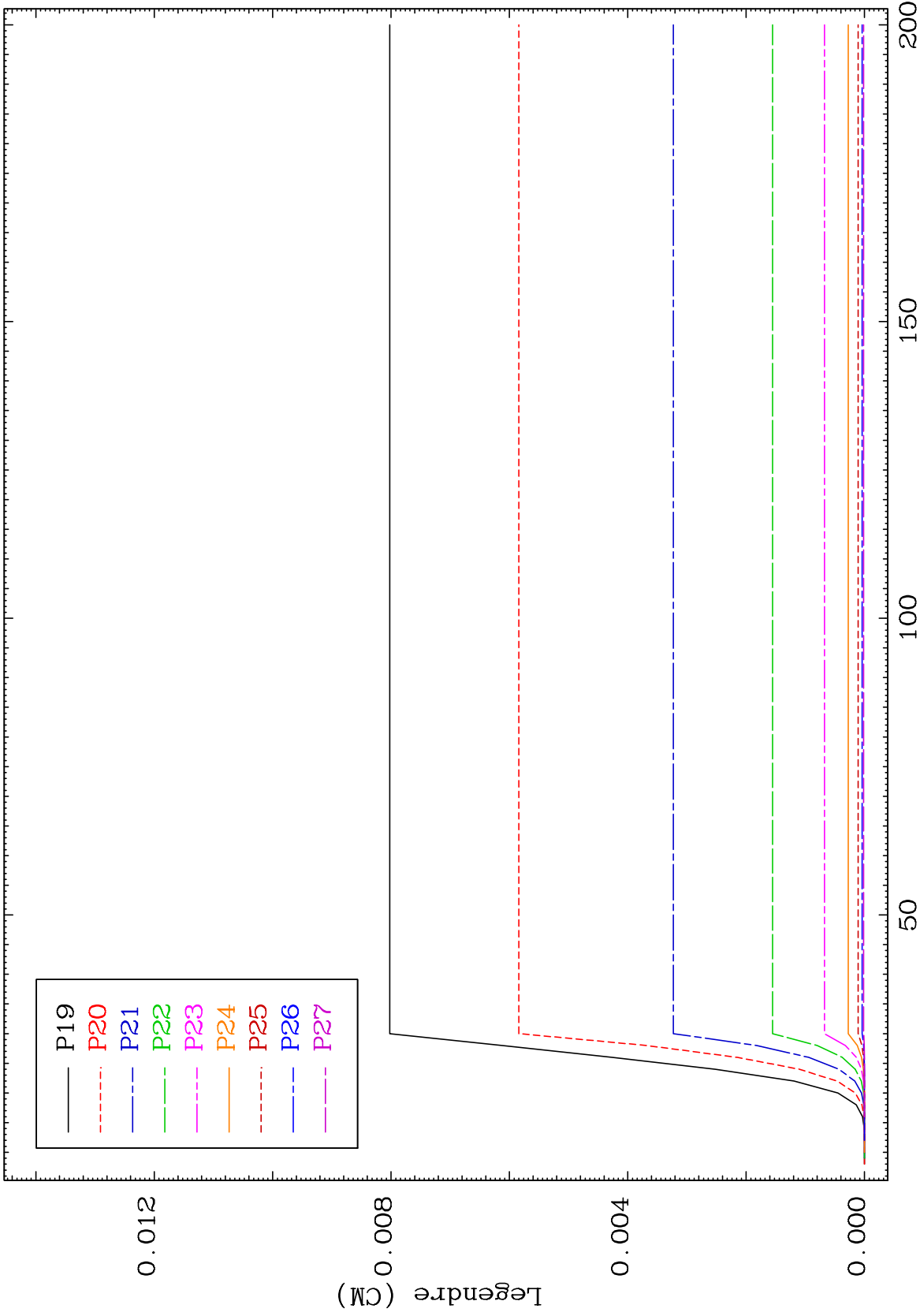
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



94

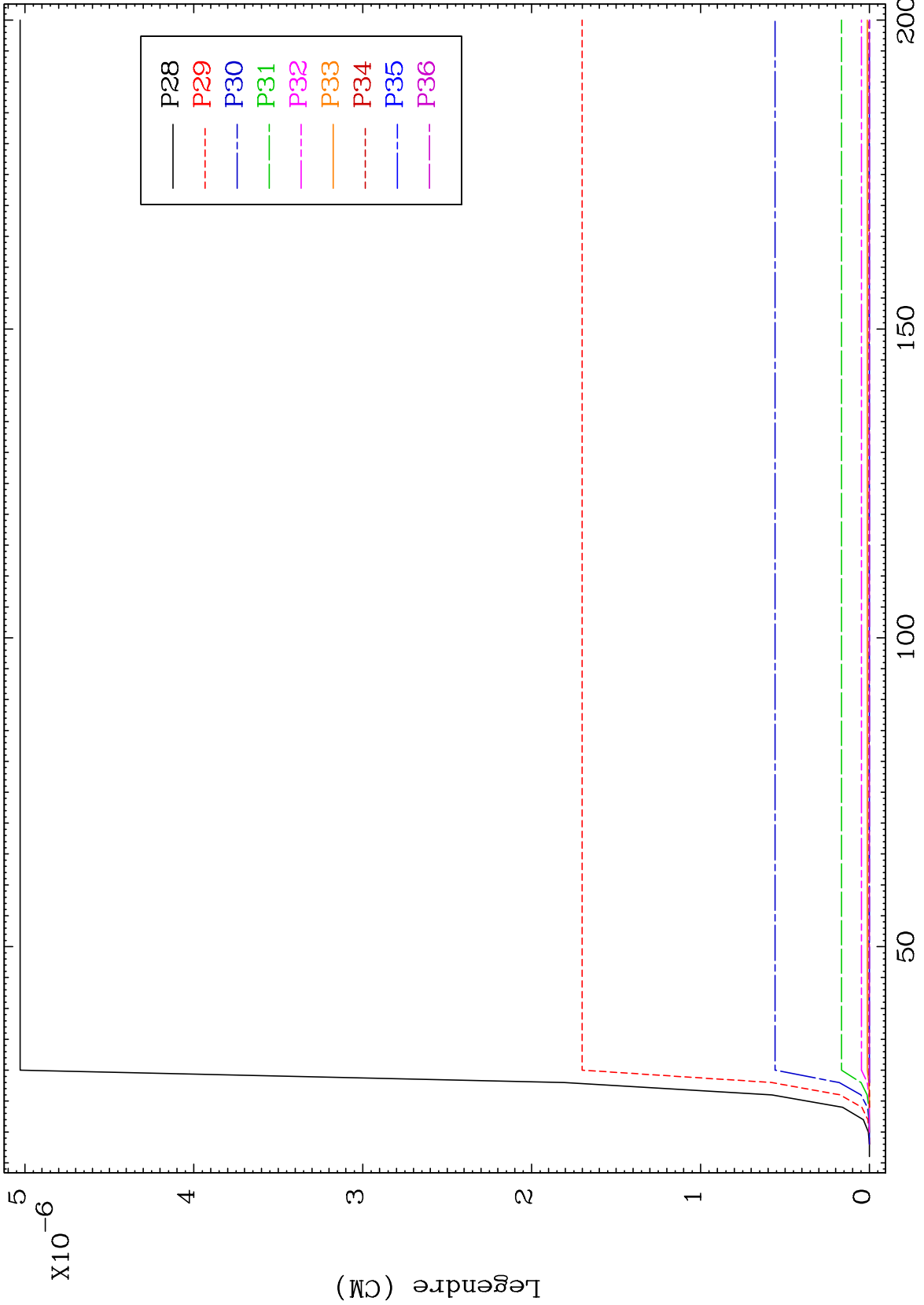
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146

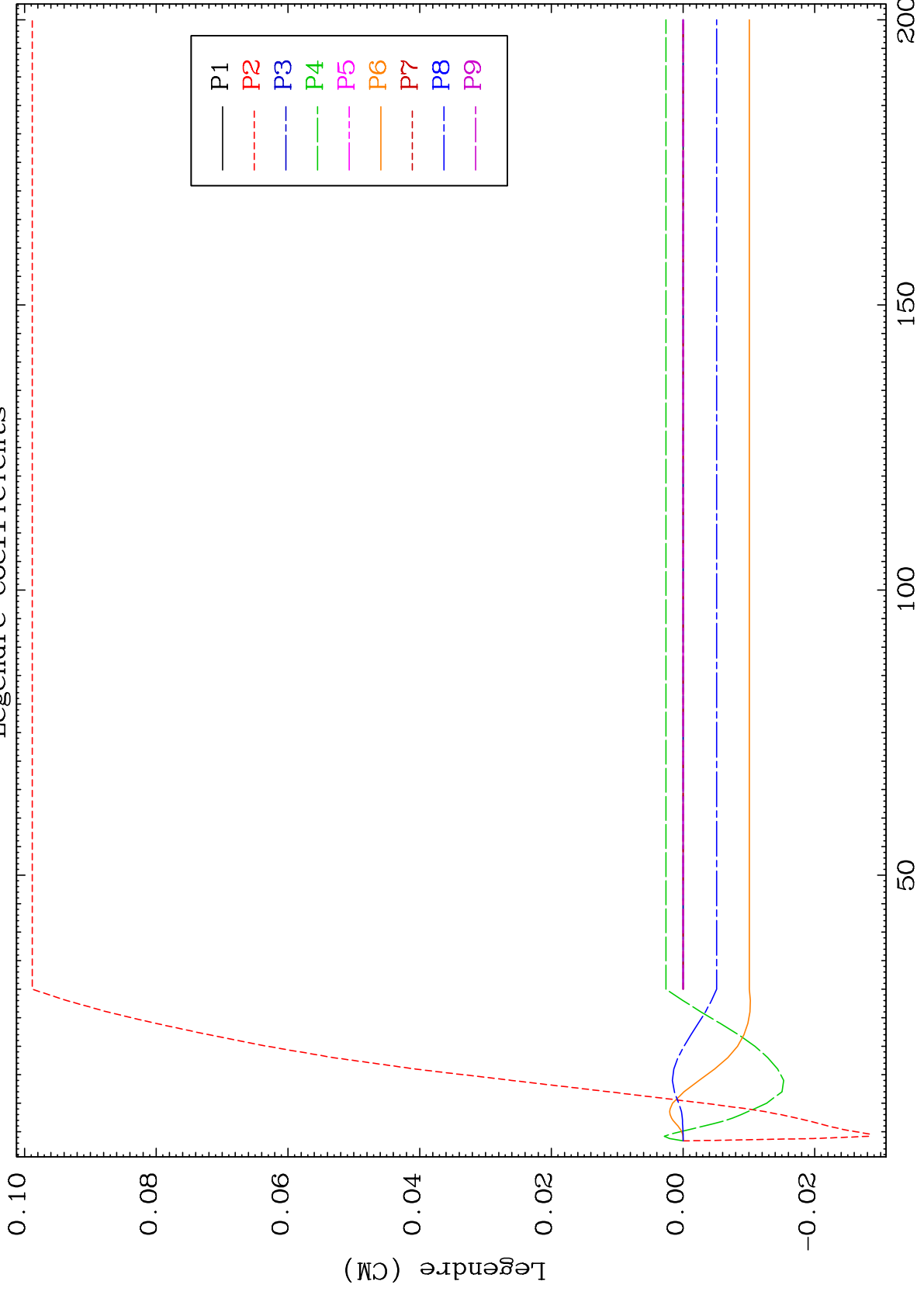


95

Incident Energy (MeV)

64-Gd-146

MAT 6407 MT= 72 (n,n') Level Legendre Coefficients 64-Gd-146

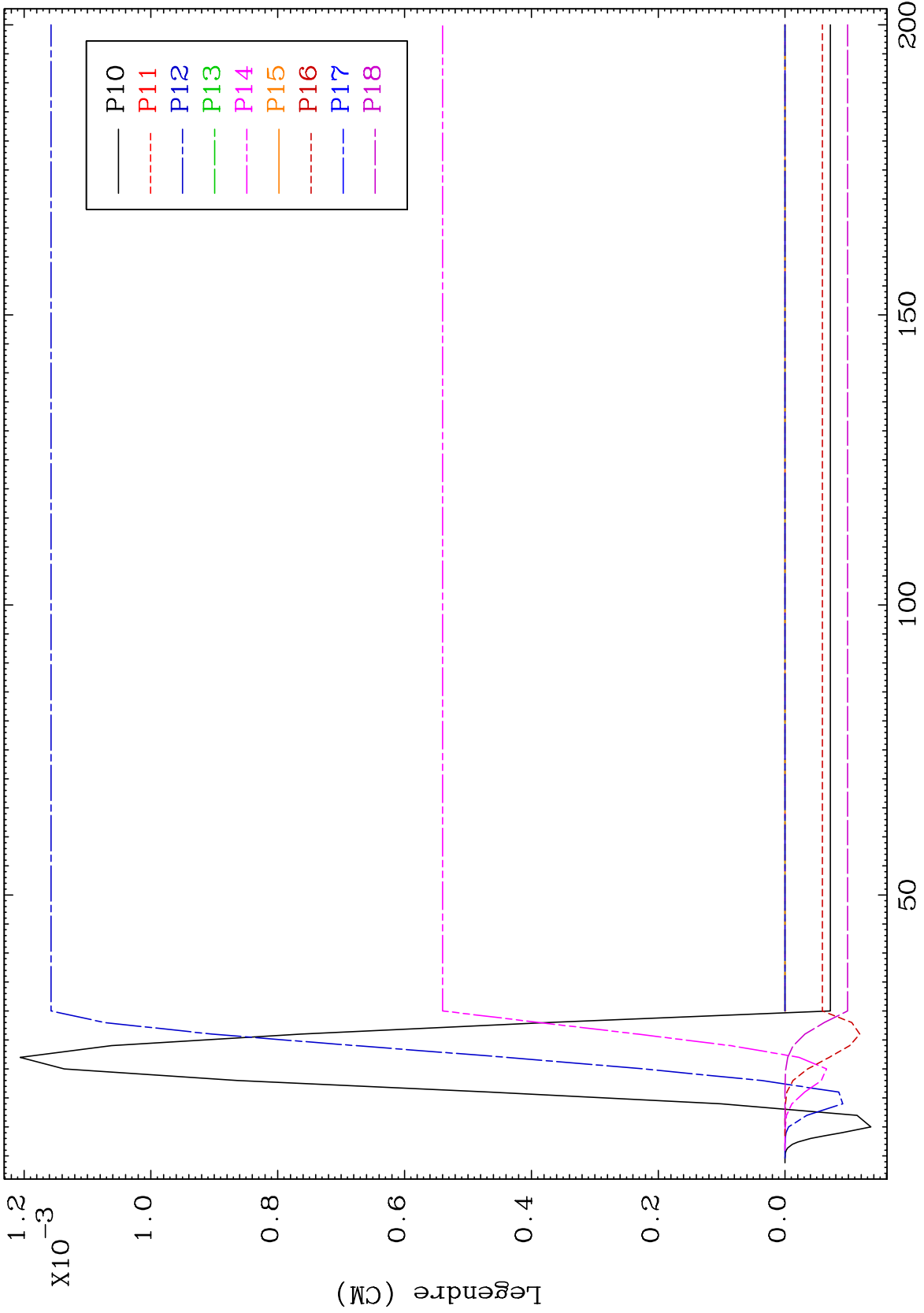


96 64-Gd-146

MAT 6407

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

64-Gd-146



97

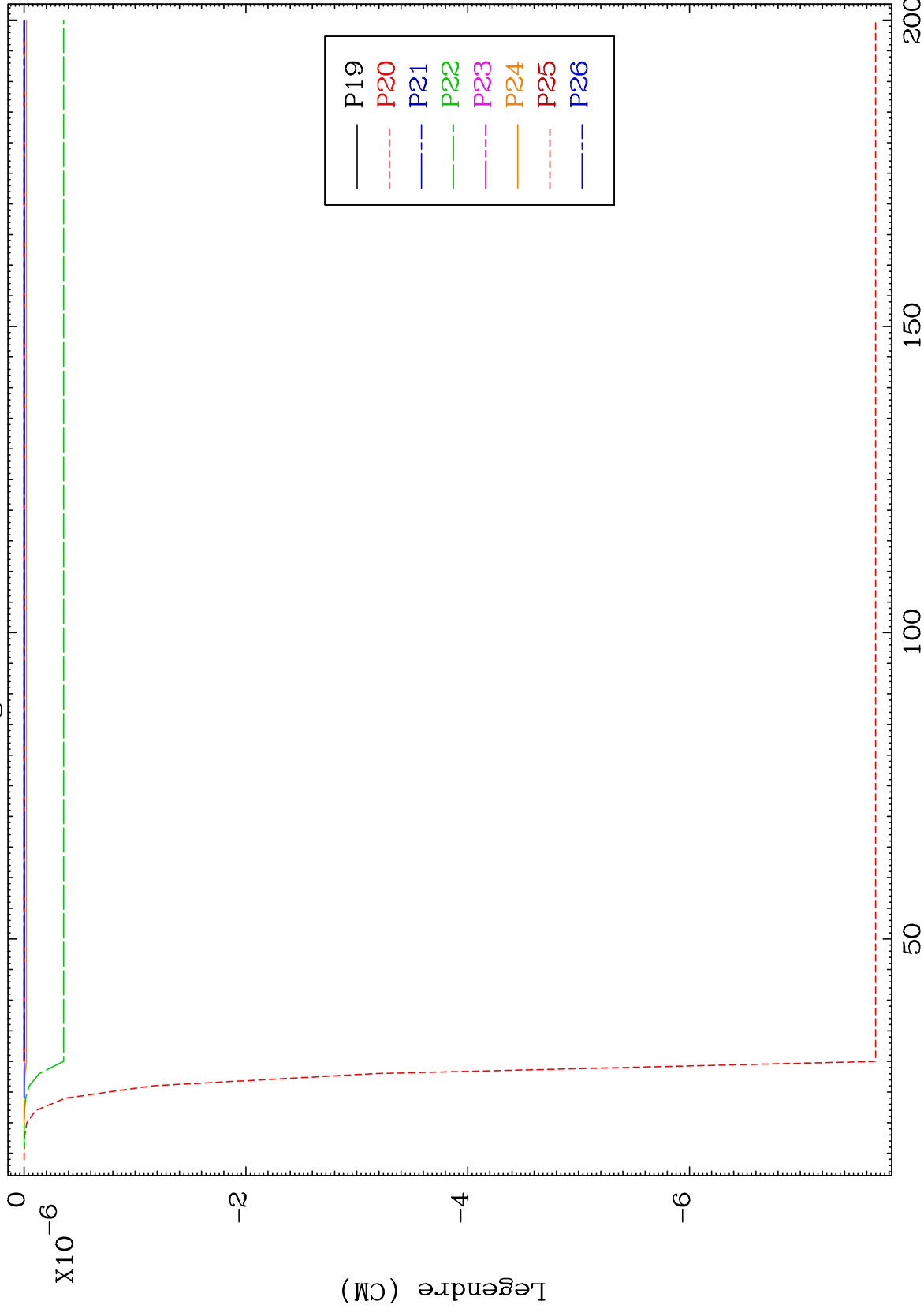
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



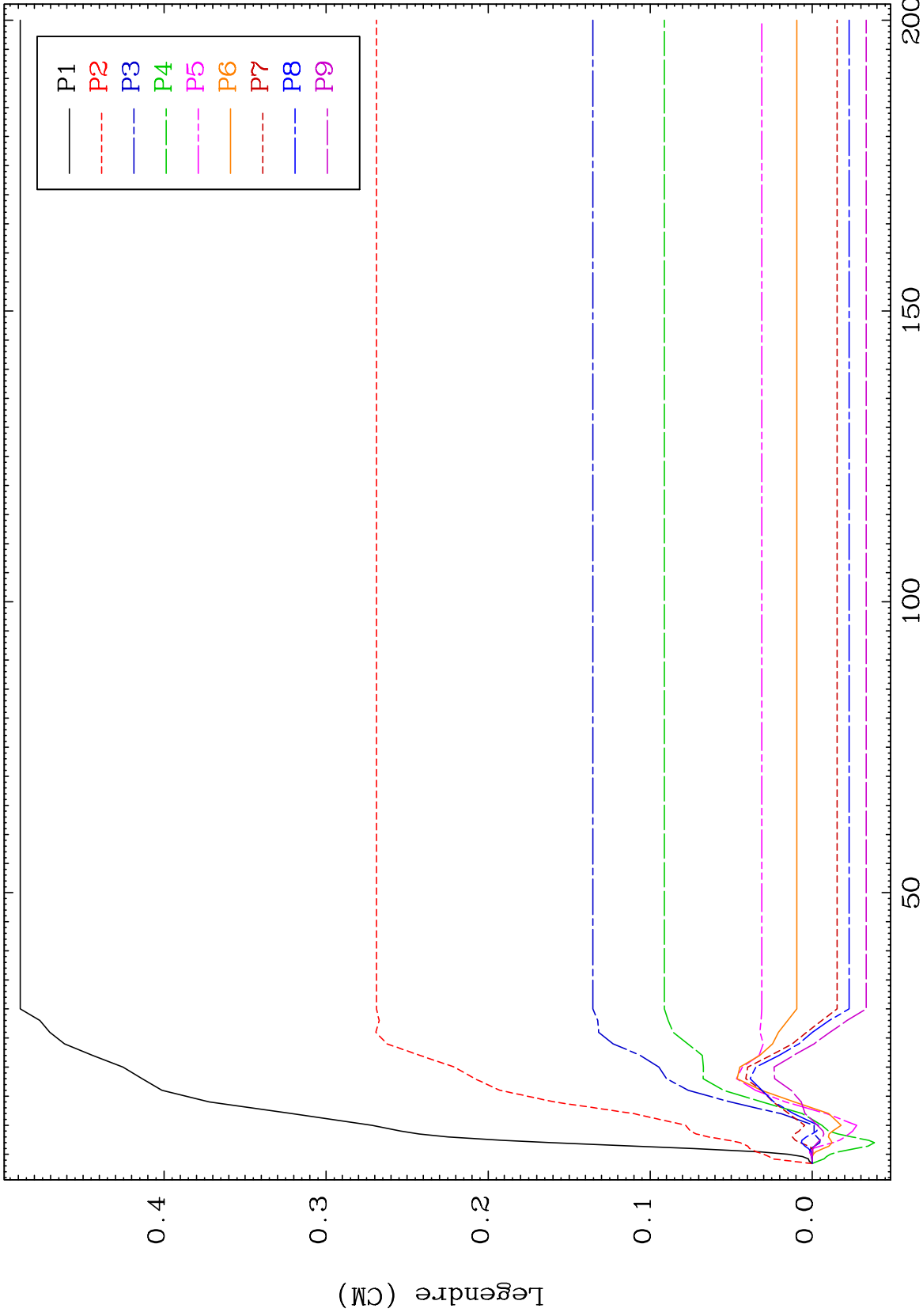
98

64-Gd-146

MAT 6407

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

64-Gd-146



99

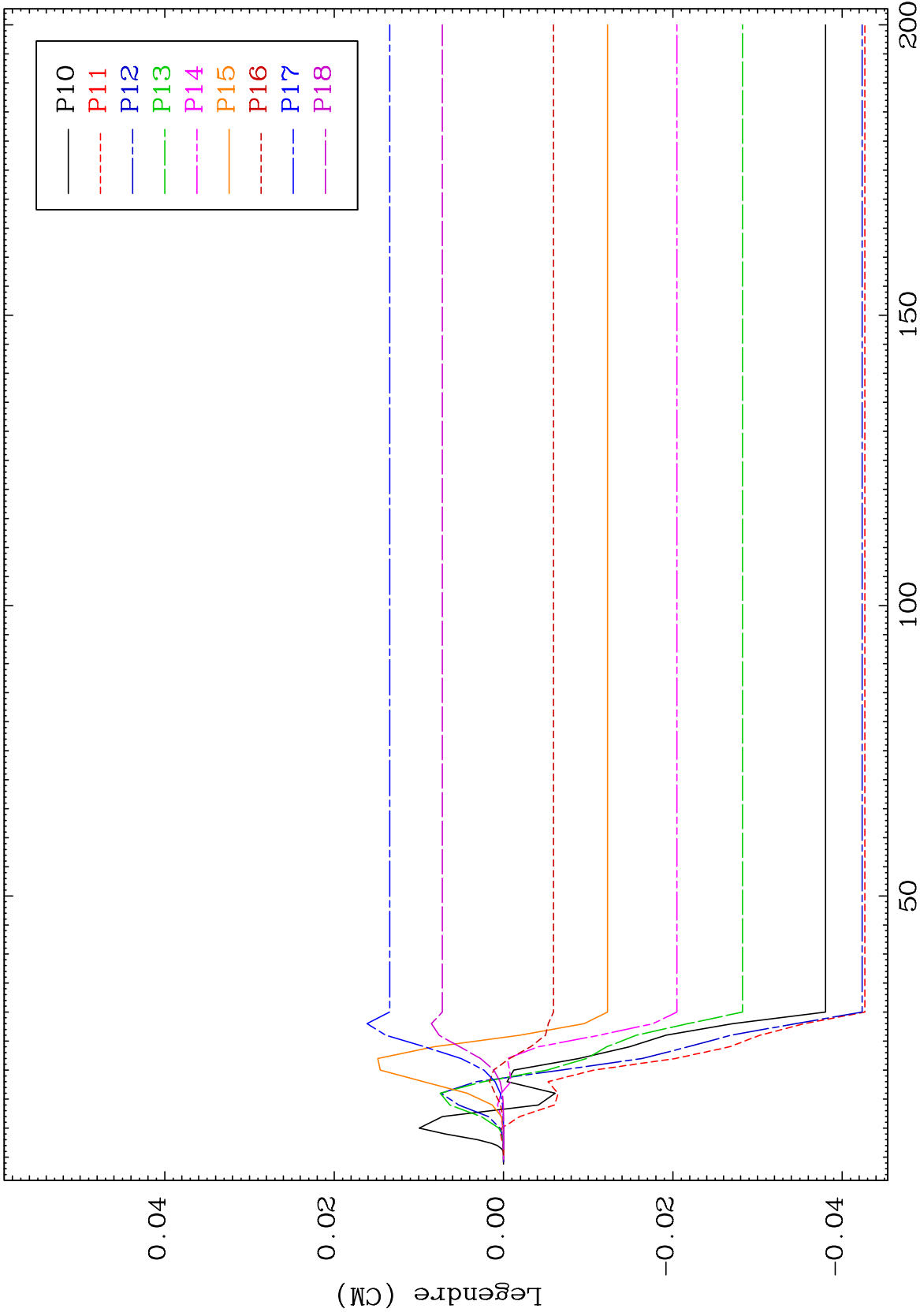
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

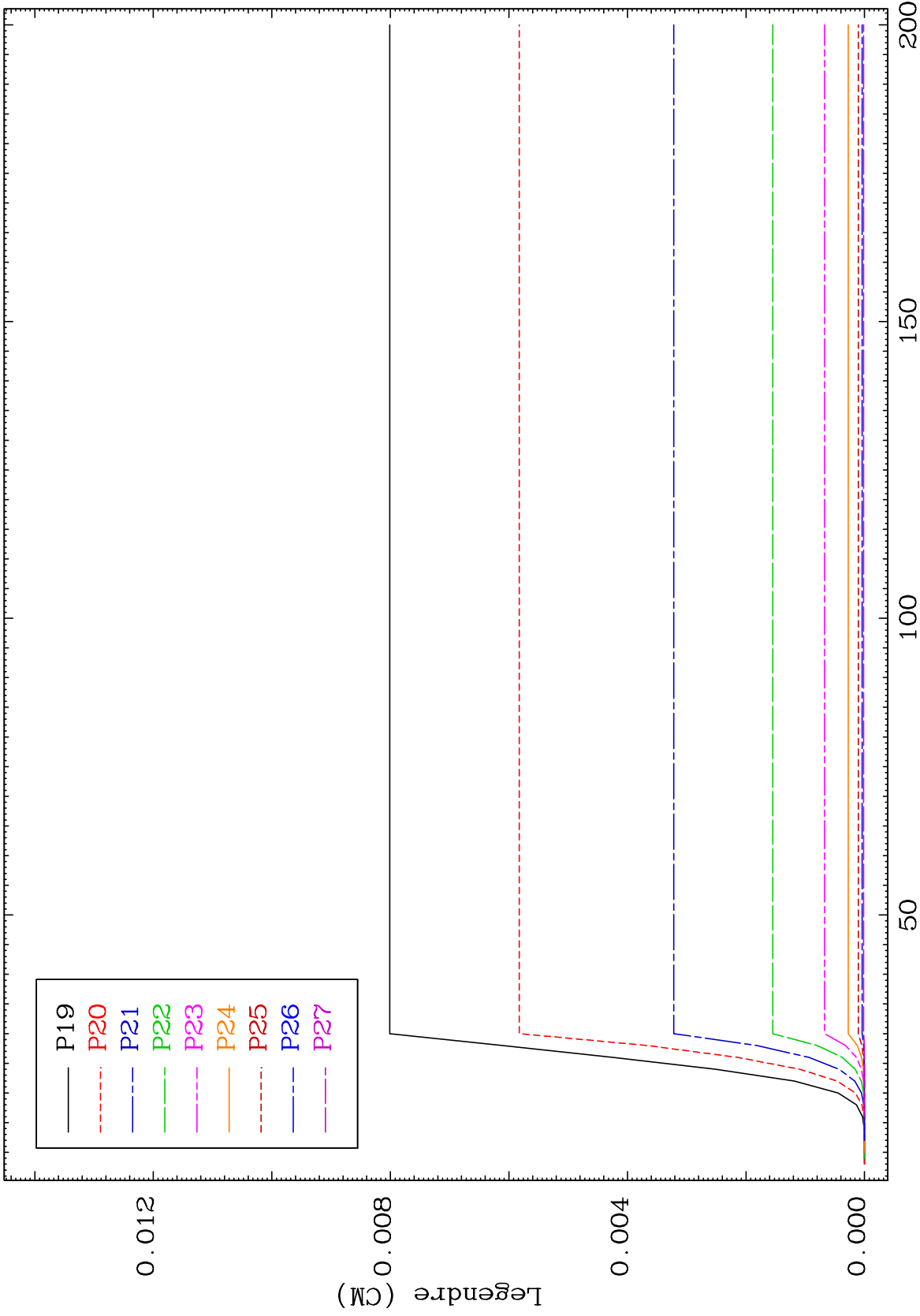
Incident Energy (MeV)

100

MAT 6407

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

64-Gd-146



101

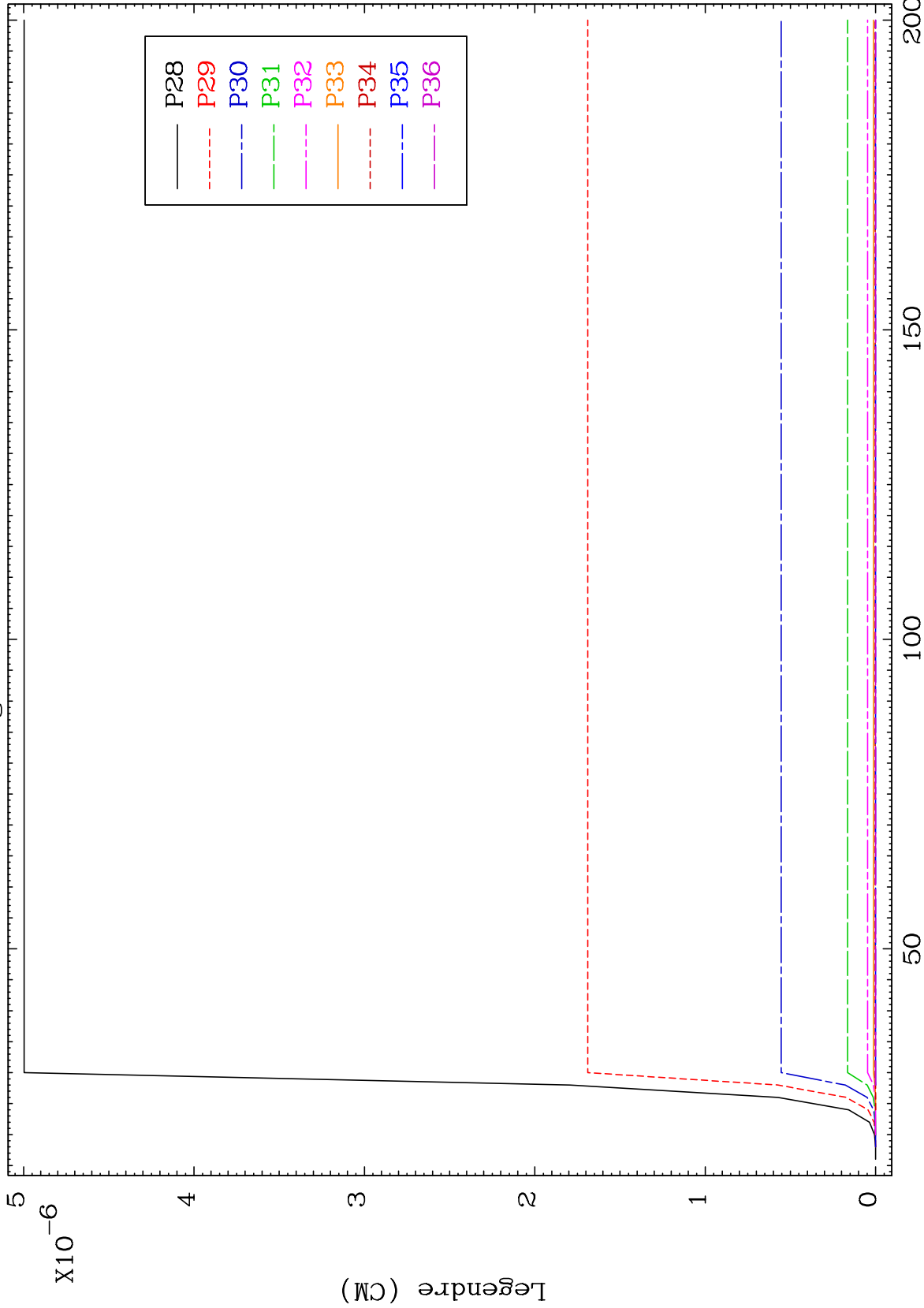
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



102

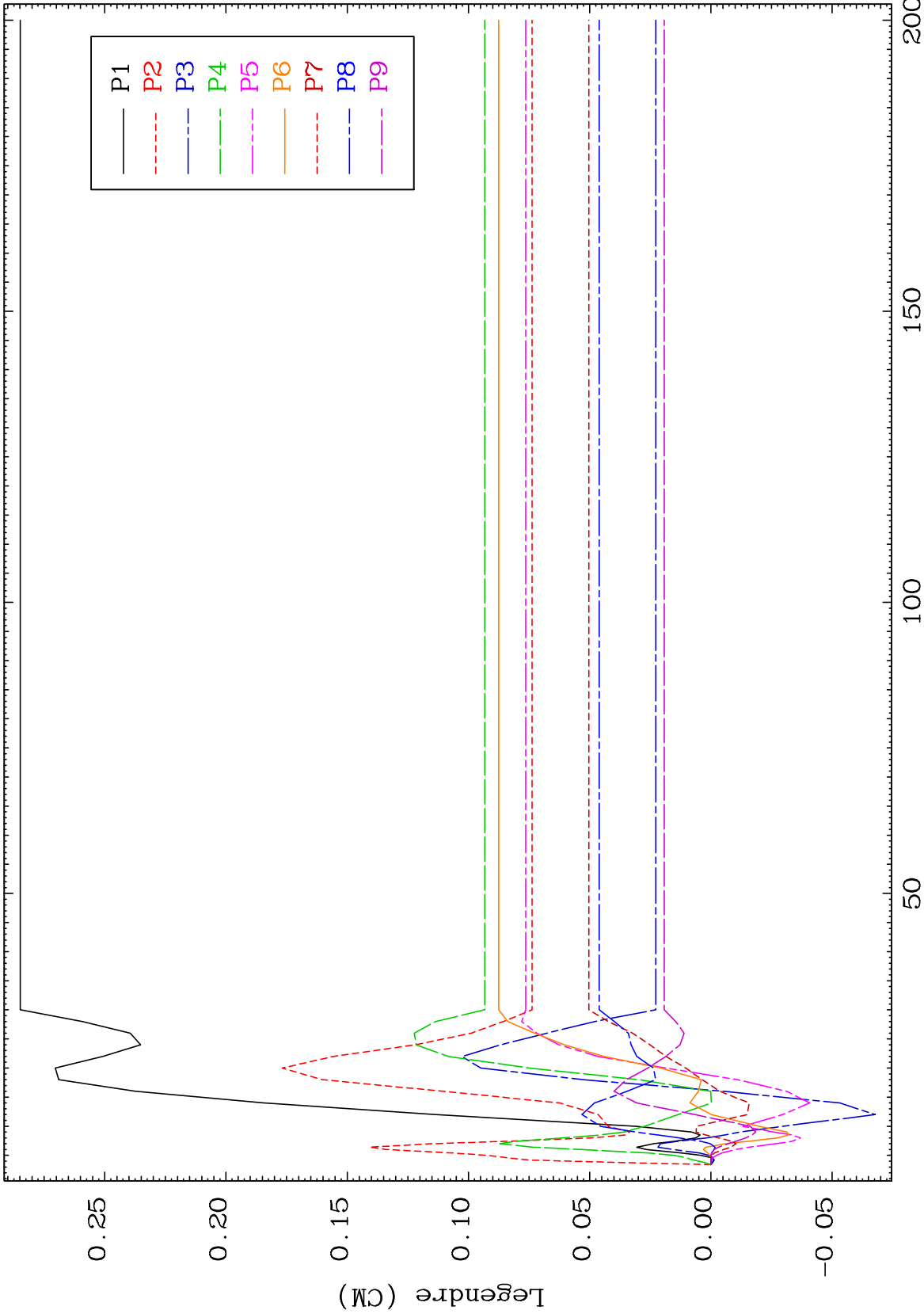
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



103

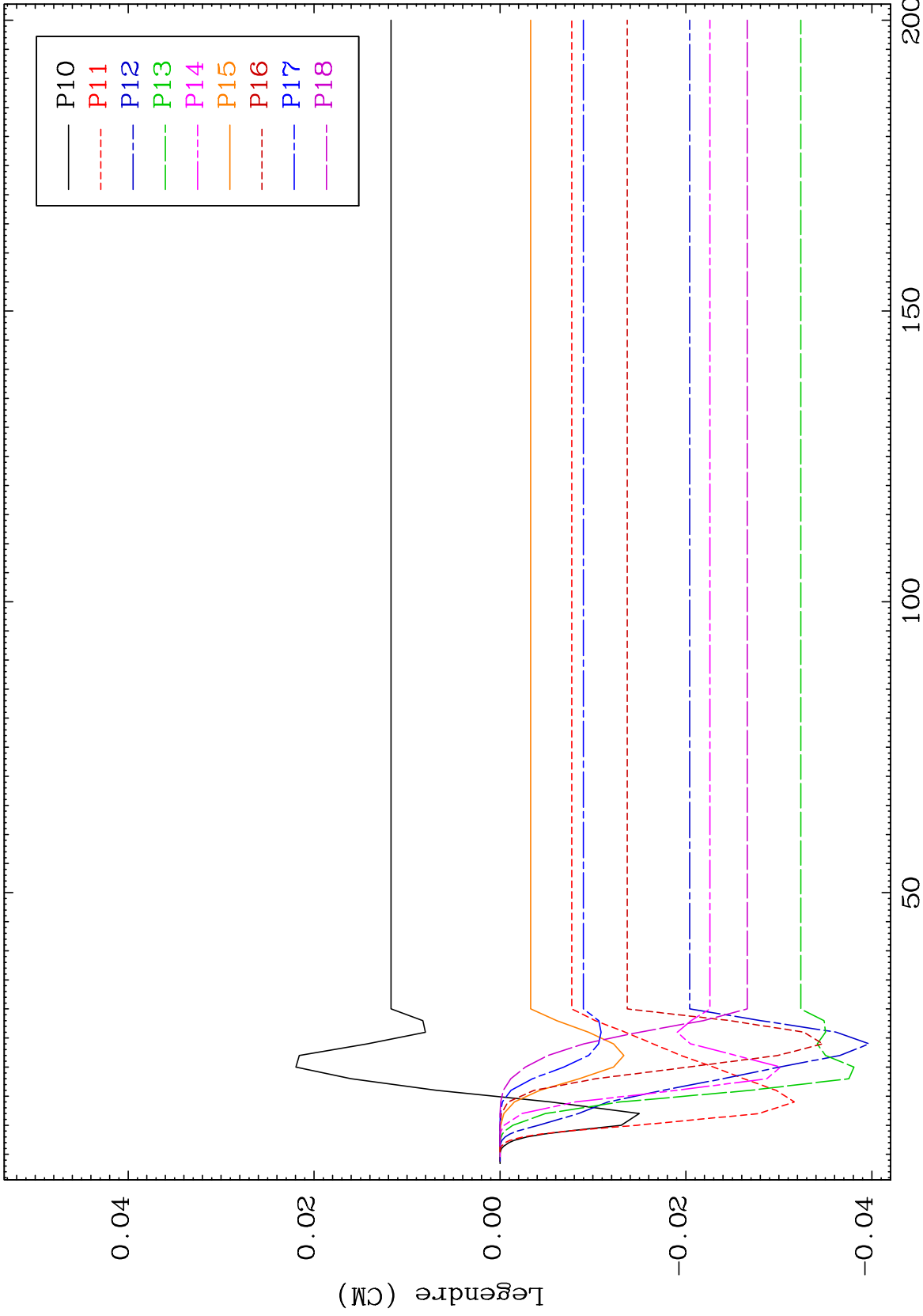
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



104

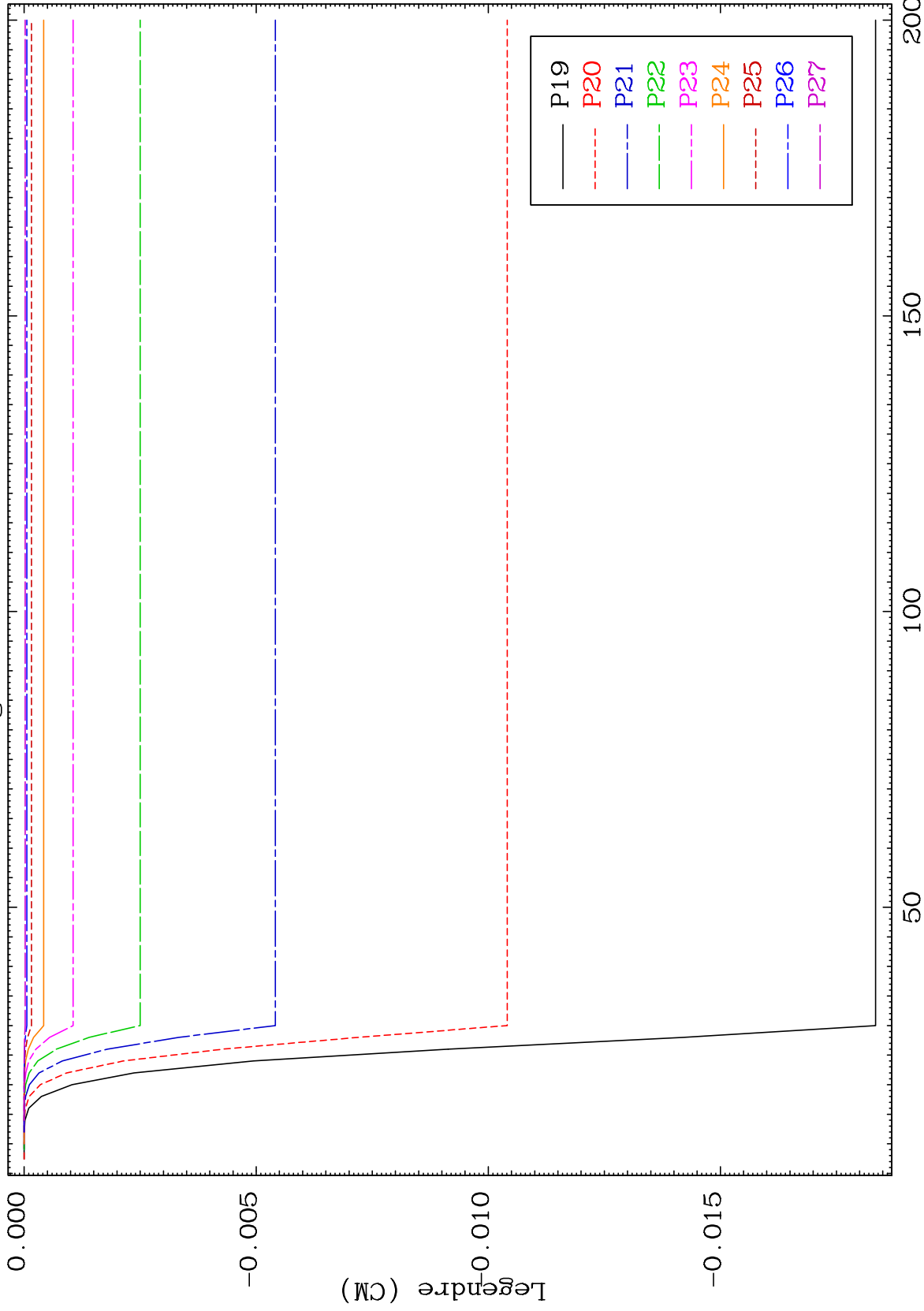
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

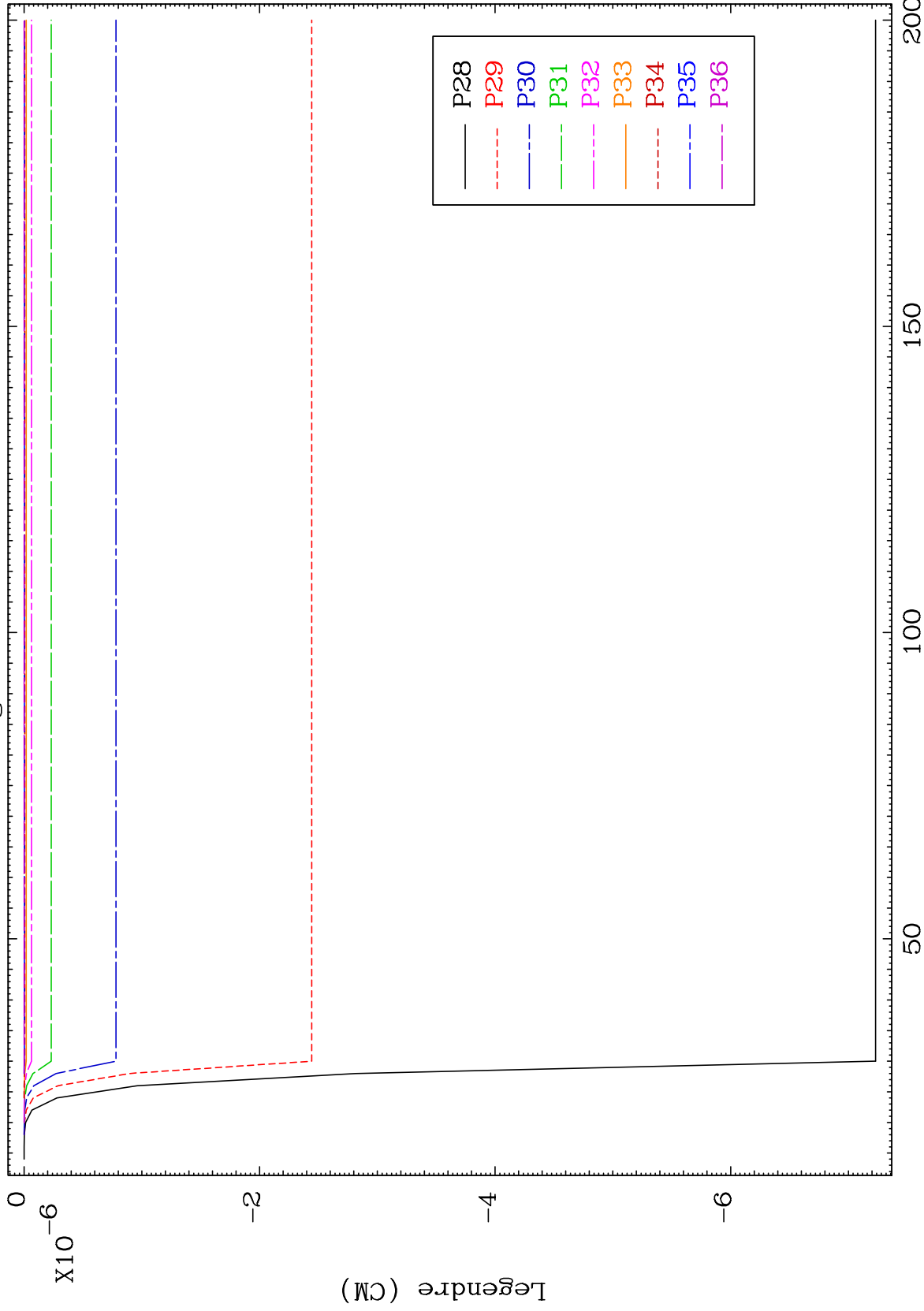
Incident Energy (MeV)

105

MAT 6407

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

64-Gd-146



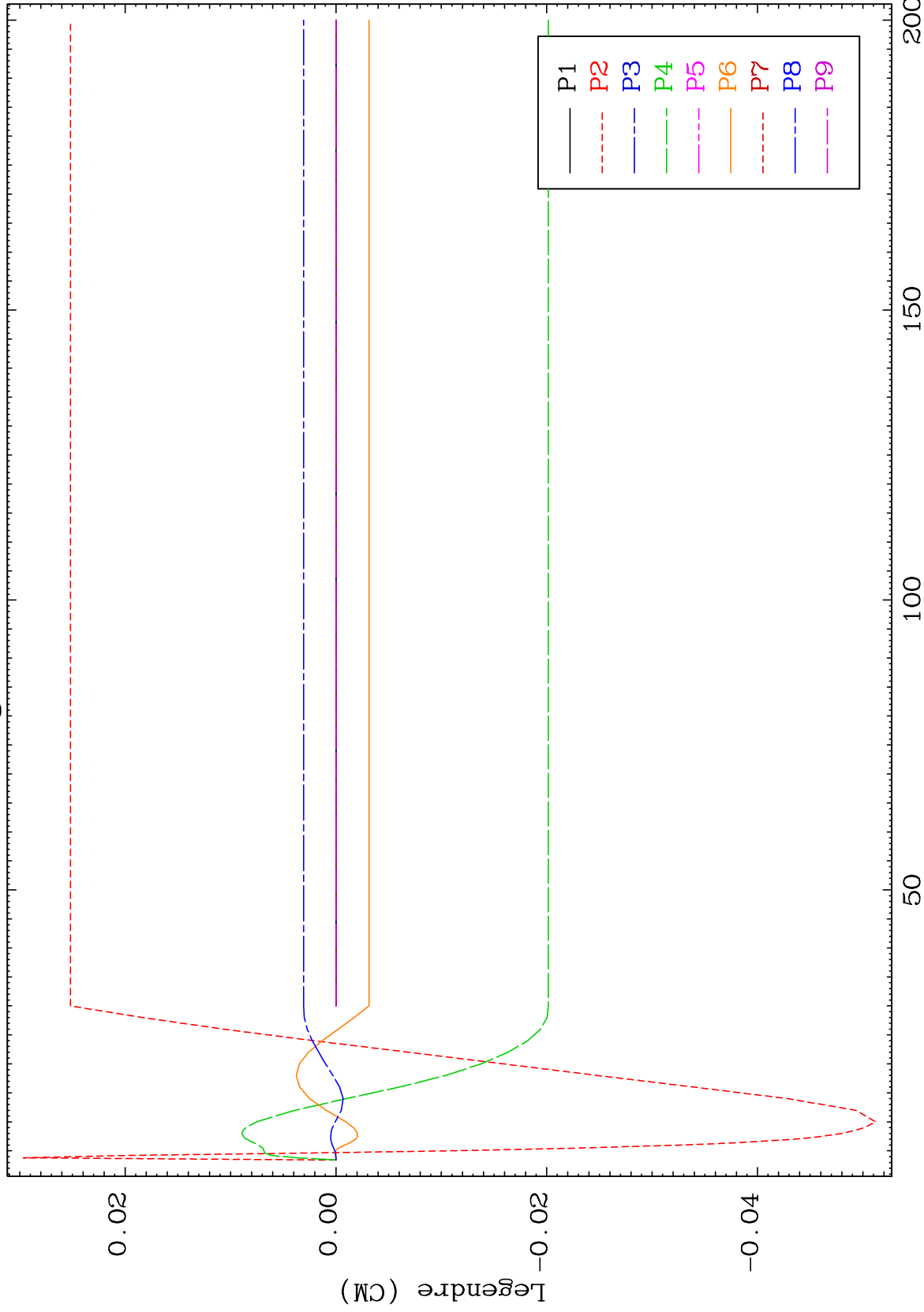
64-Gd-146

106

MAT 6407

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

64-Gd-146



107

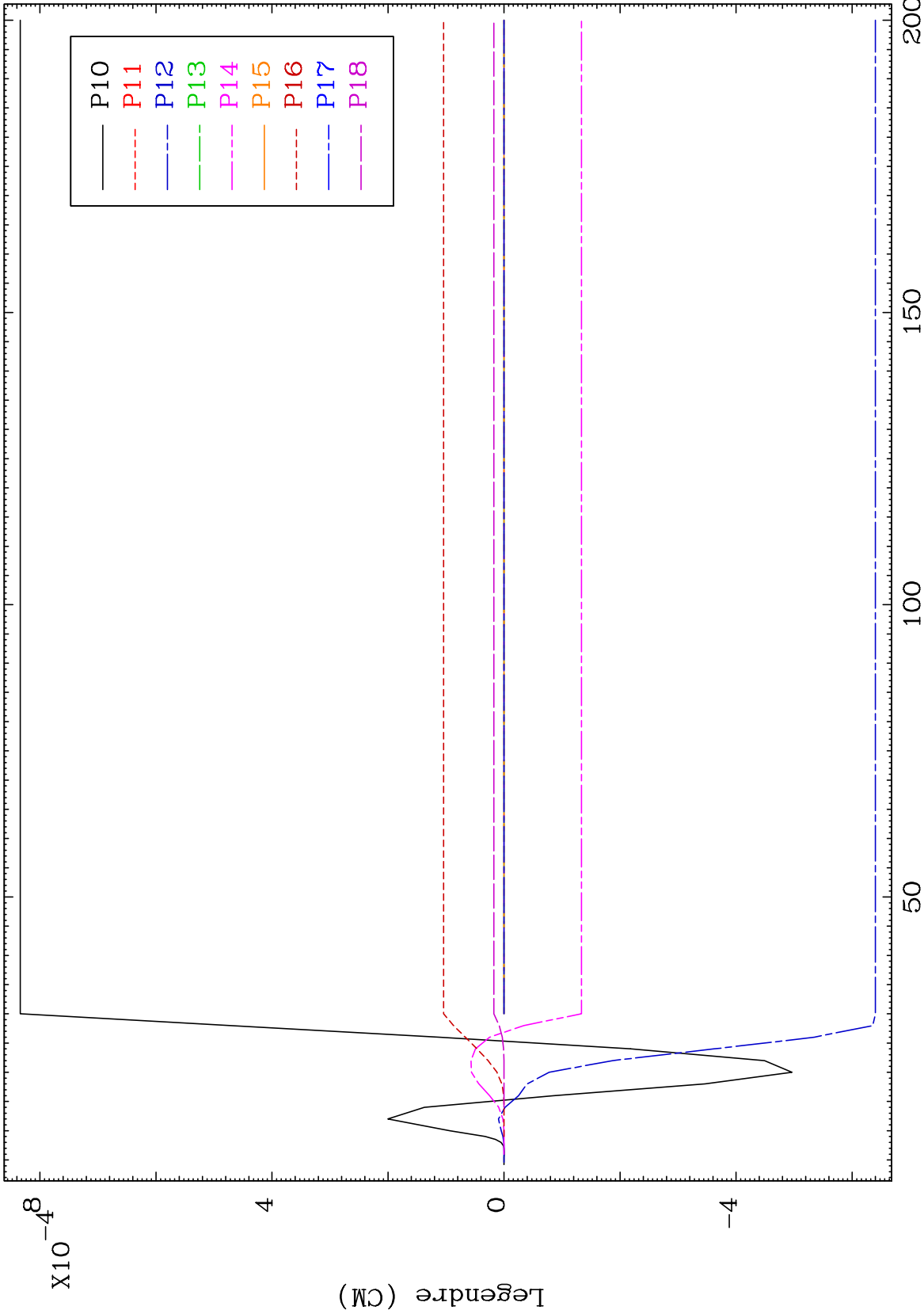
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



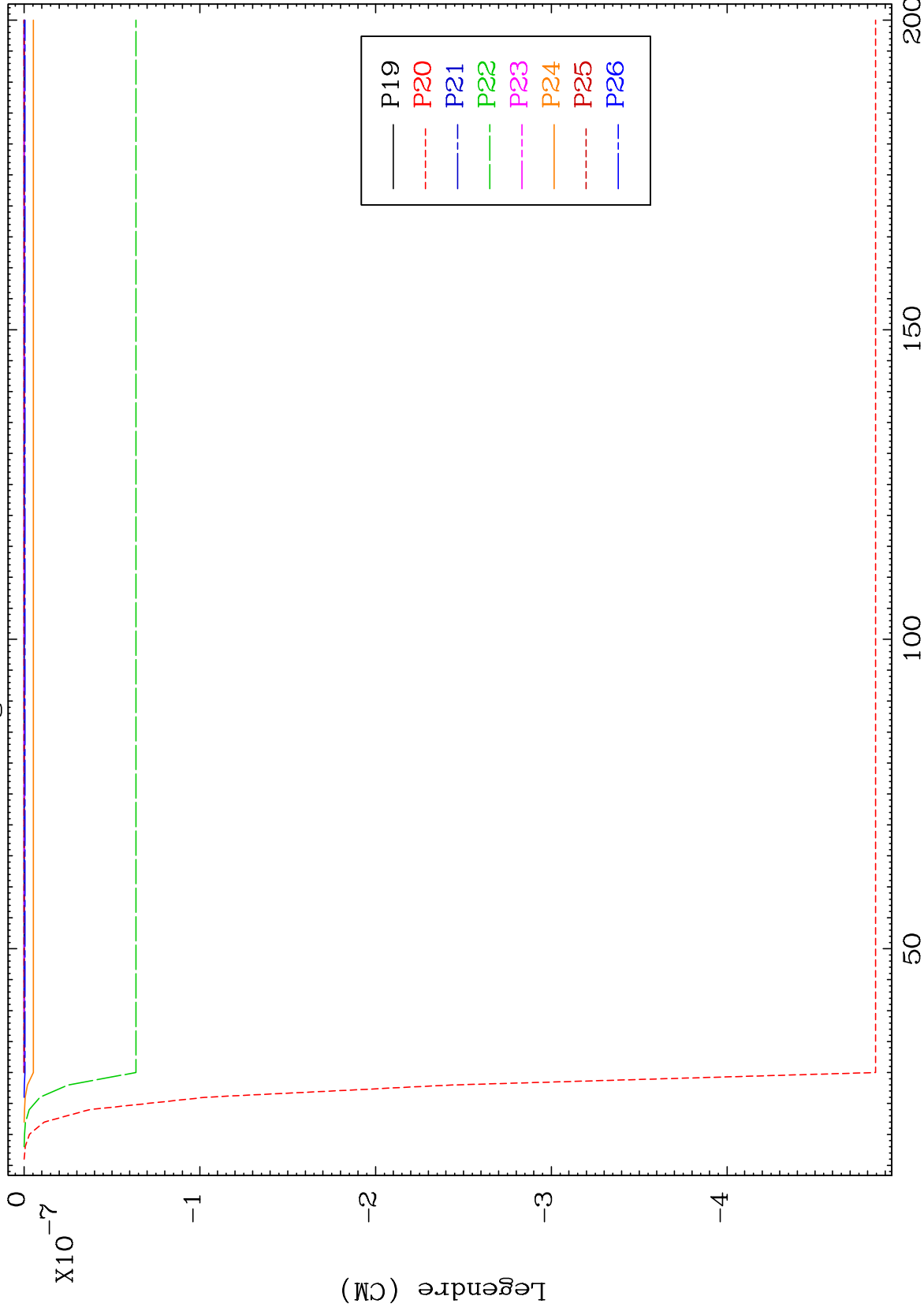
108

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

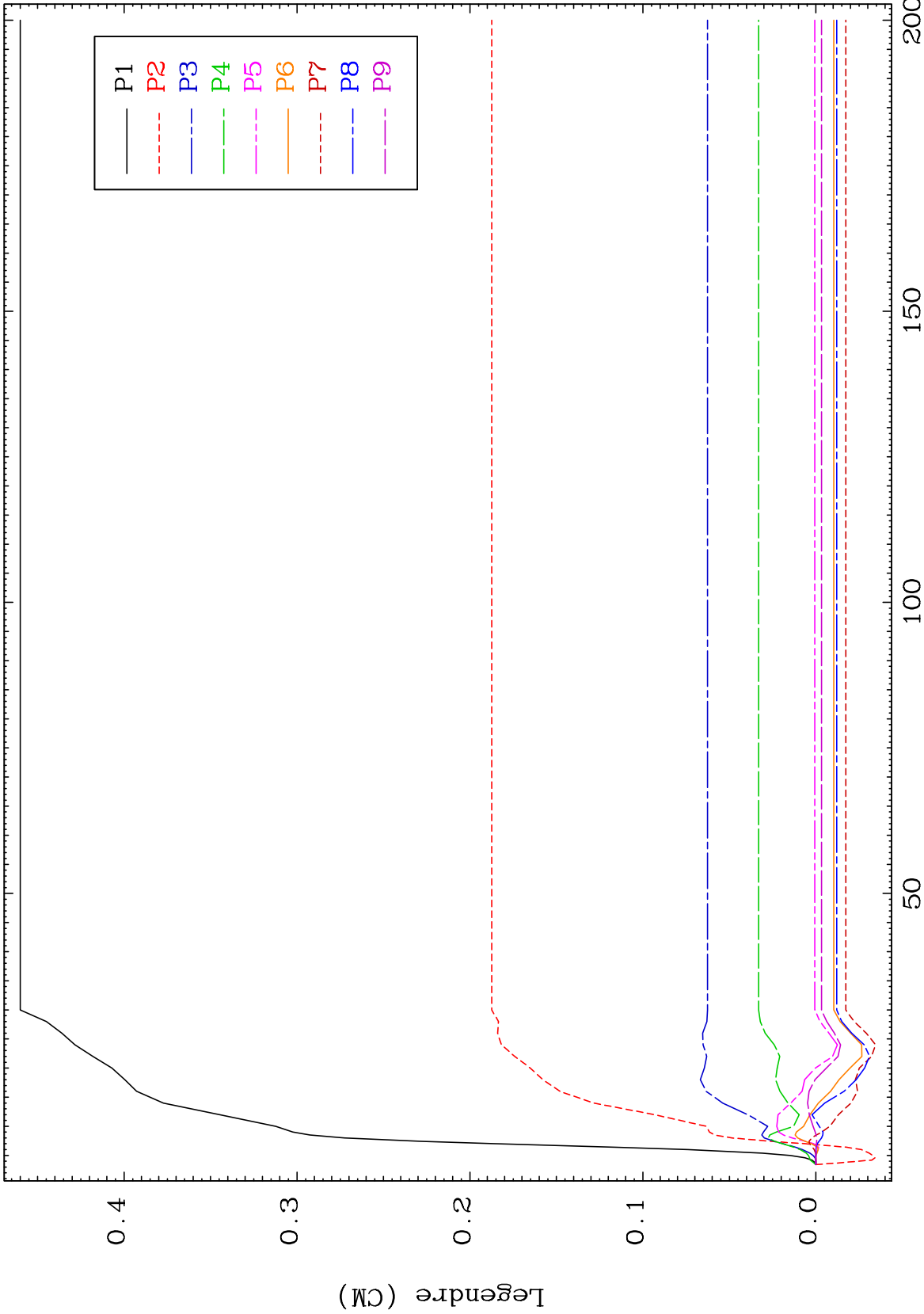
Incident Energy (MeV)

109

MAT 6407

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

64-Gd-146



110

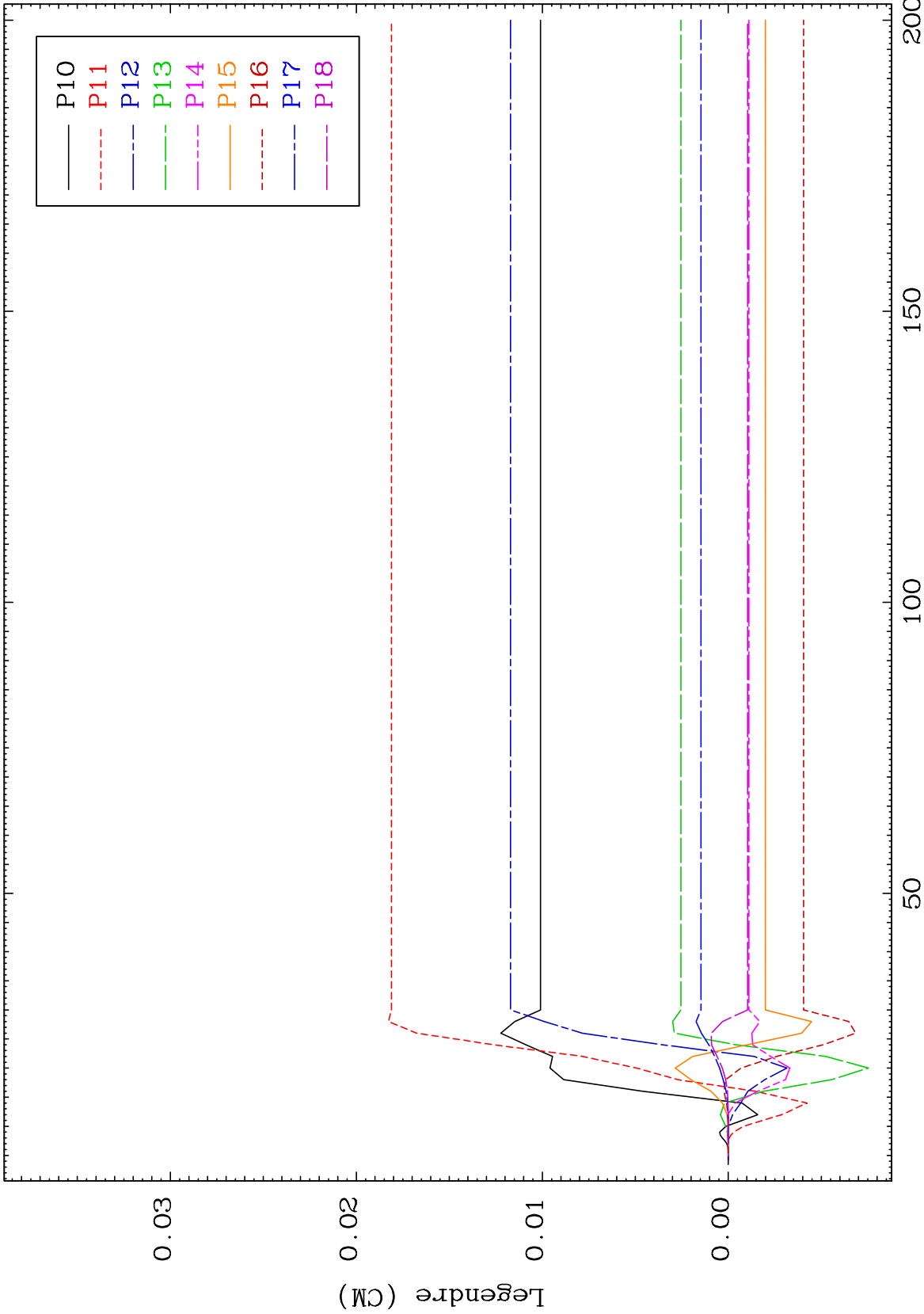
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



111

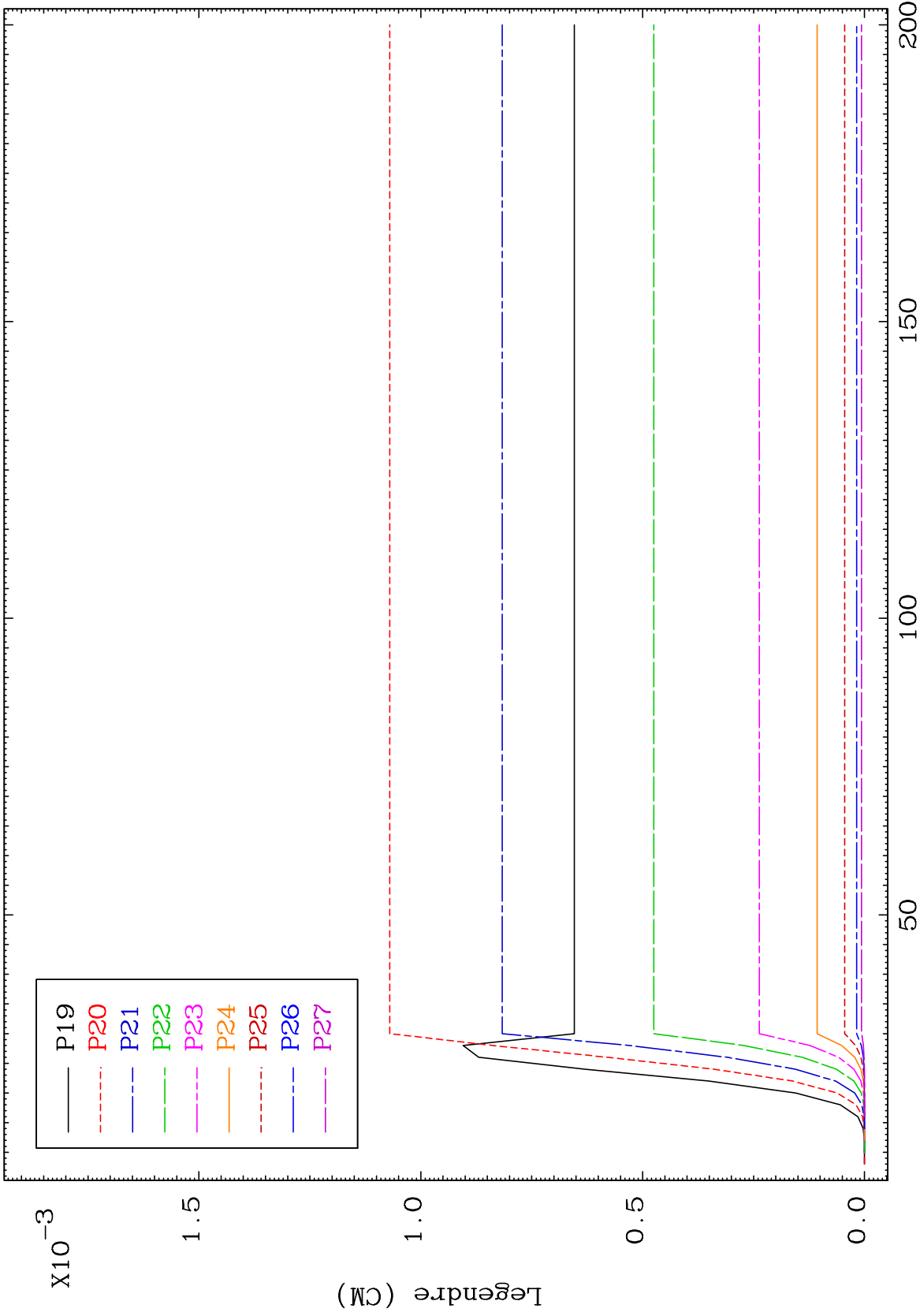
Incident Energy (MeV)

64-Gd-146

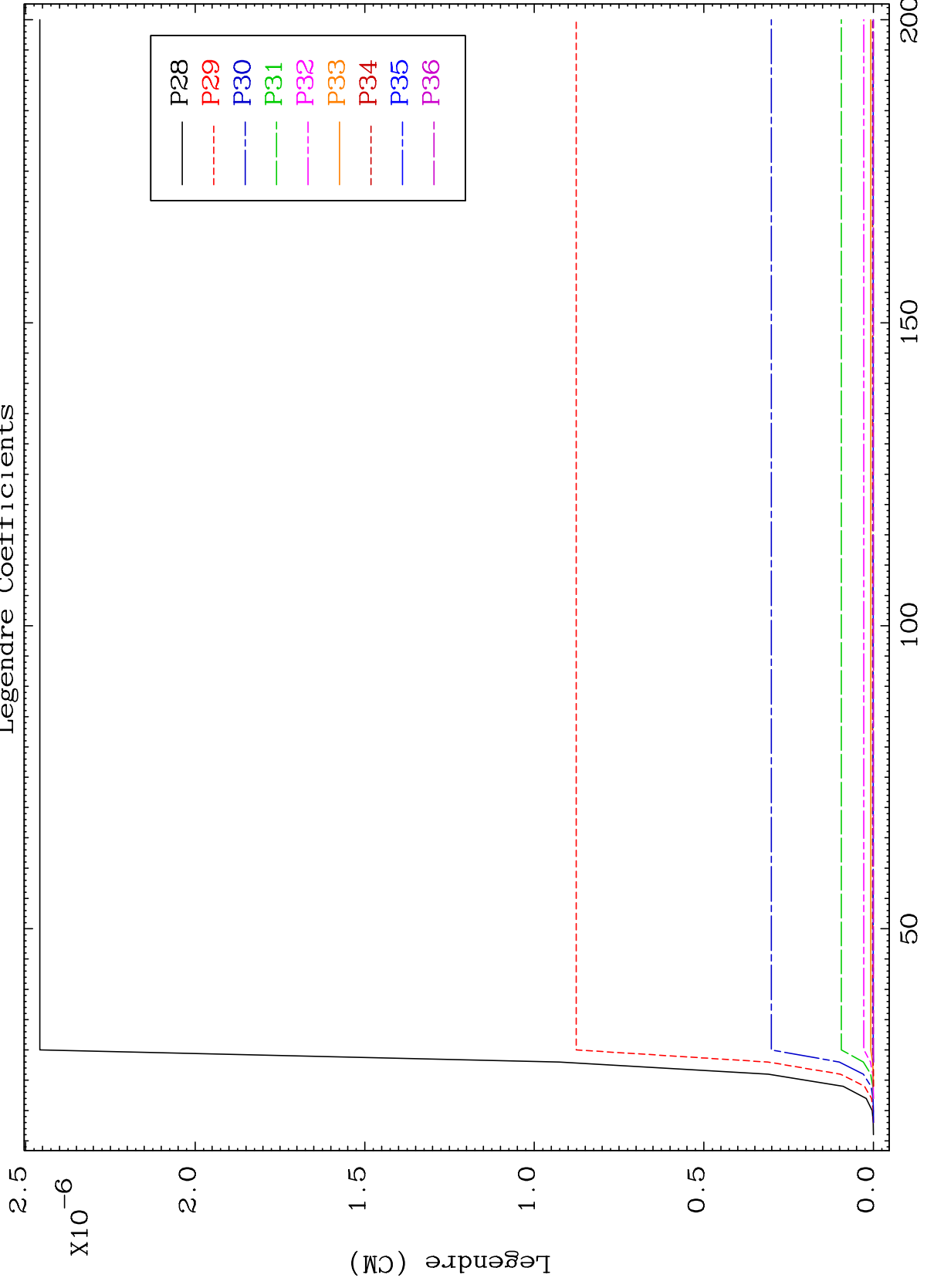
MAT 6407

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

64-Gd-146



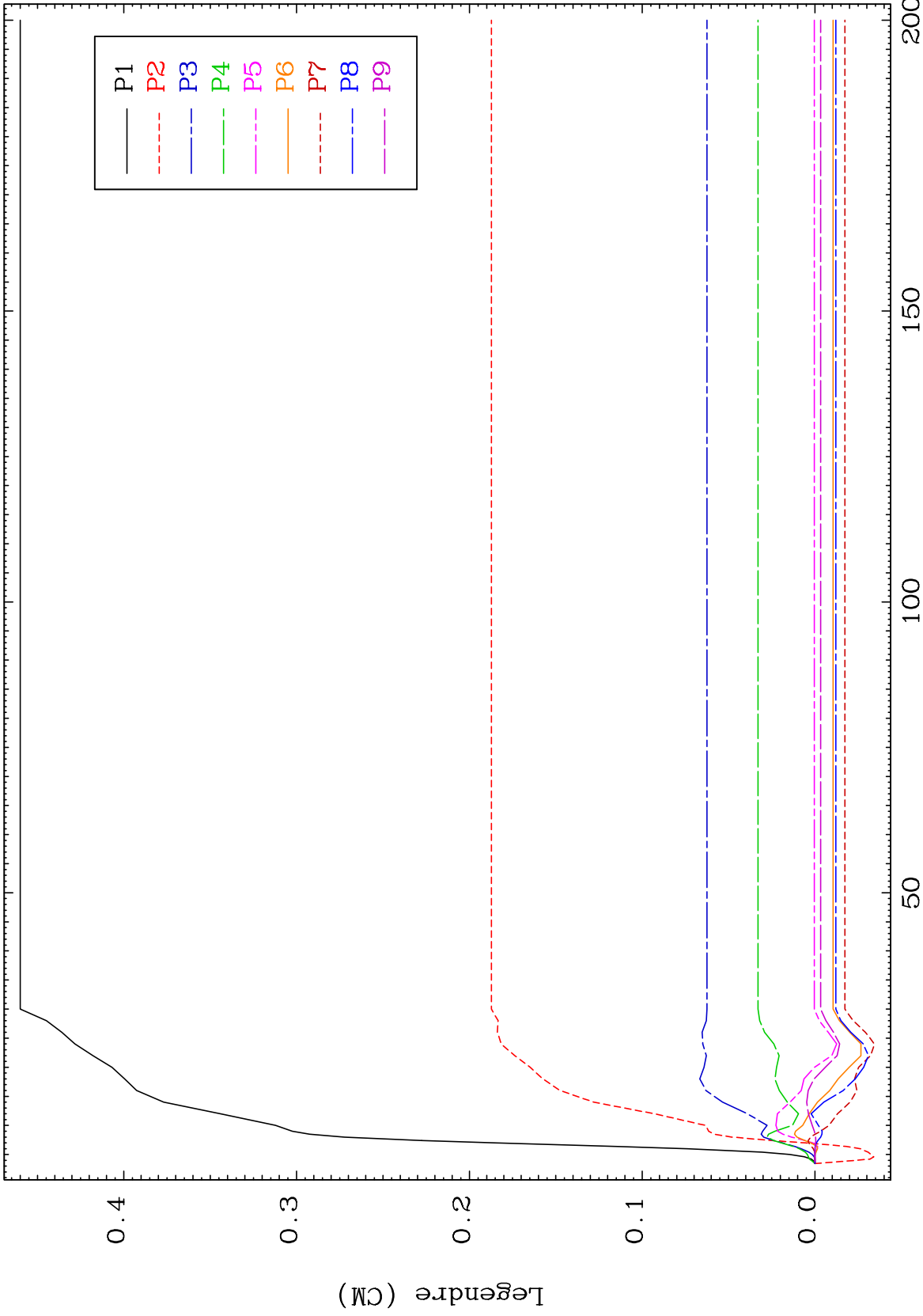
112



MAT 6407

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

64-Gd-146



114

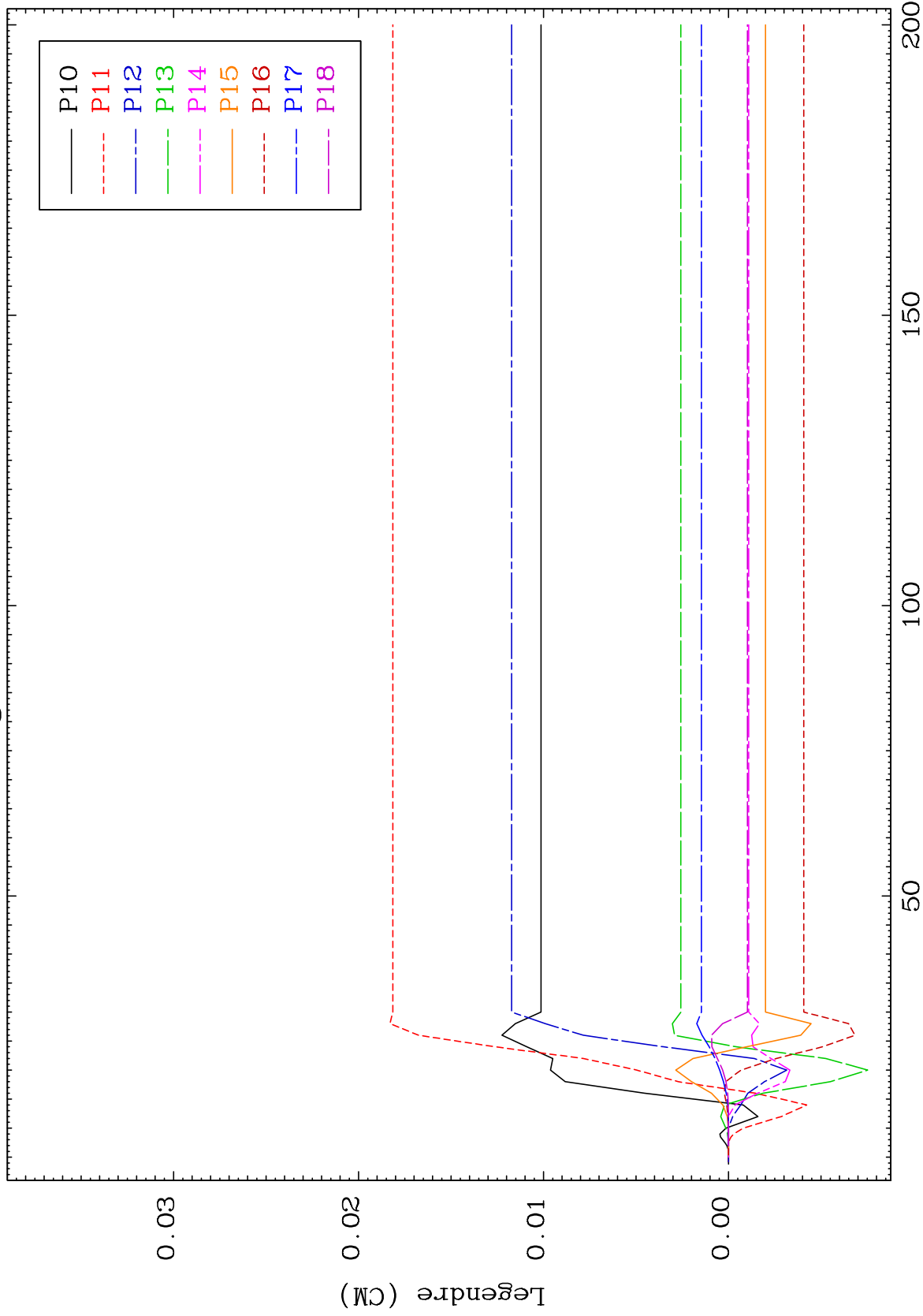
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



115

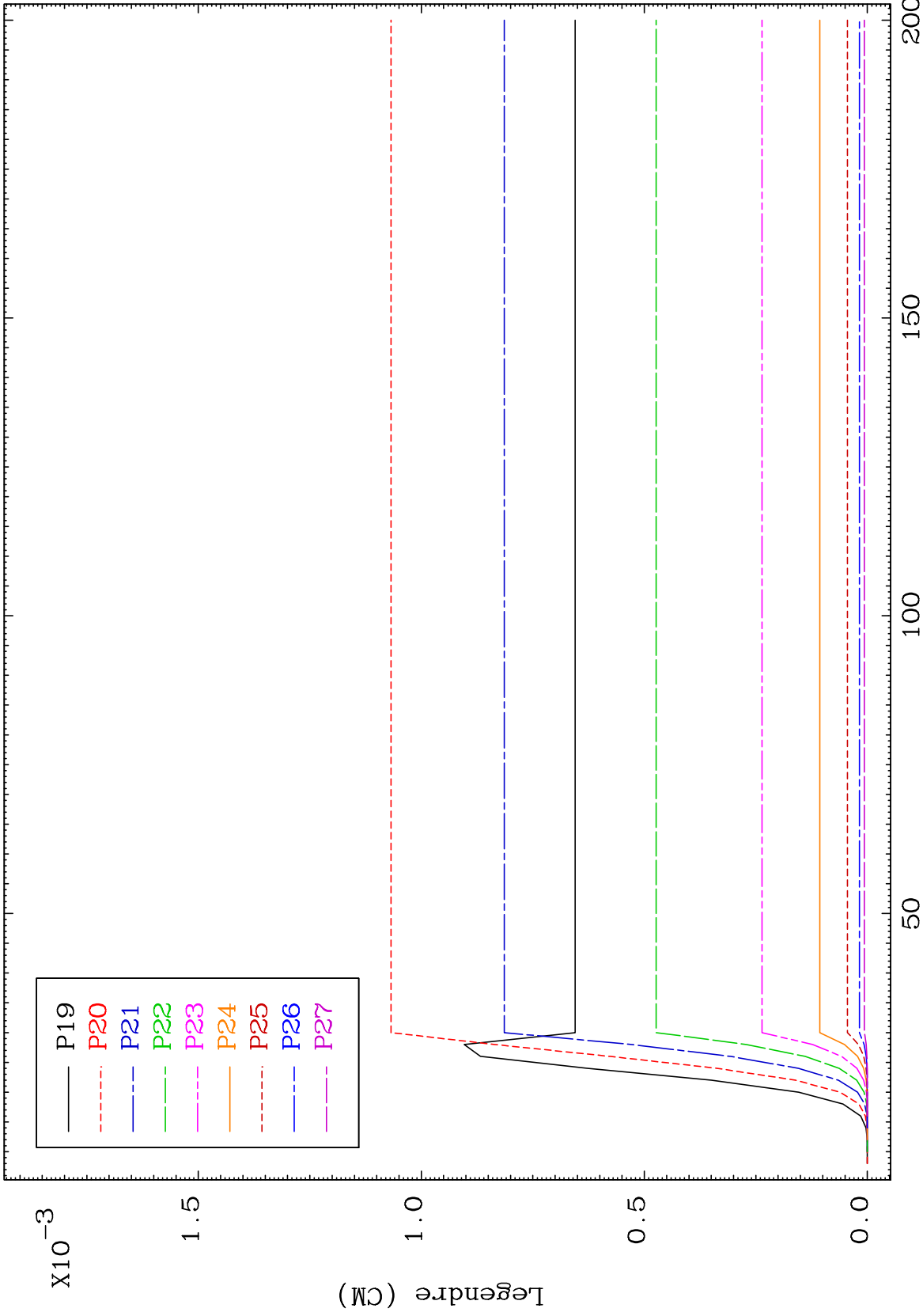
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



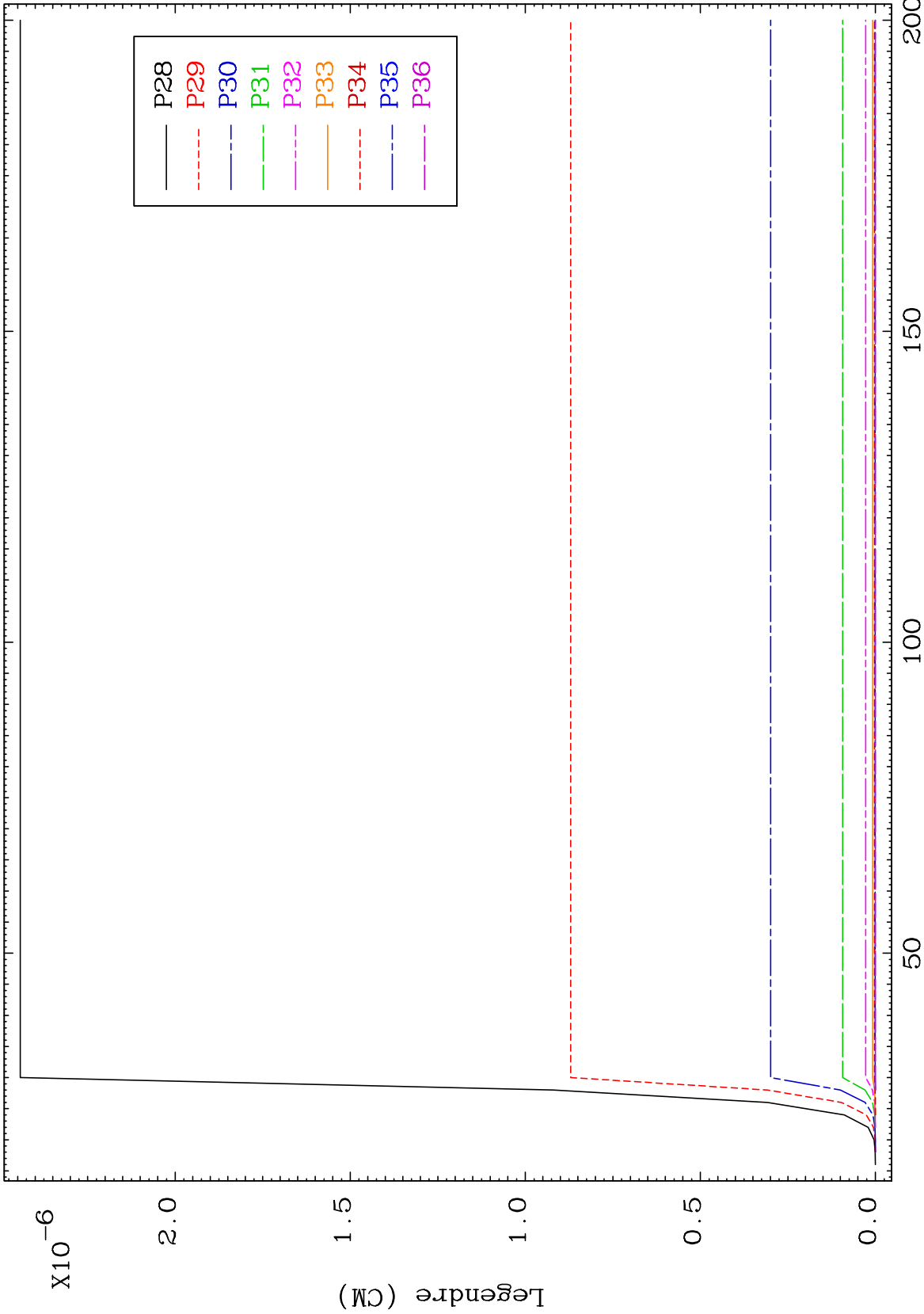
116

64-Gd-146

MAT 6407

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

64-Gd-146



117

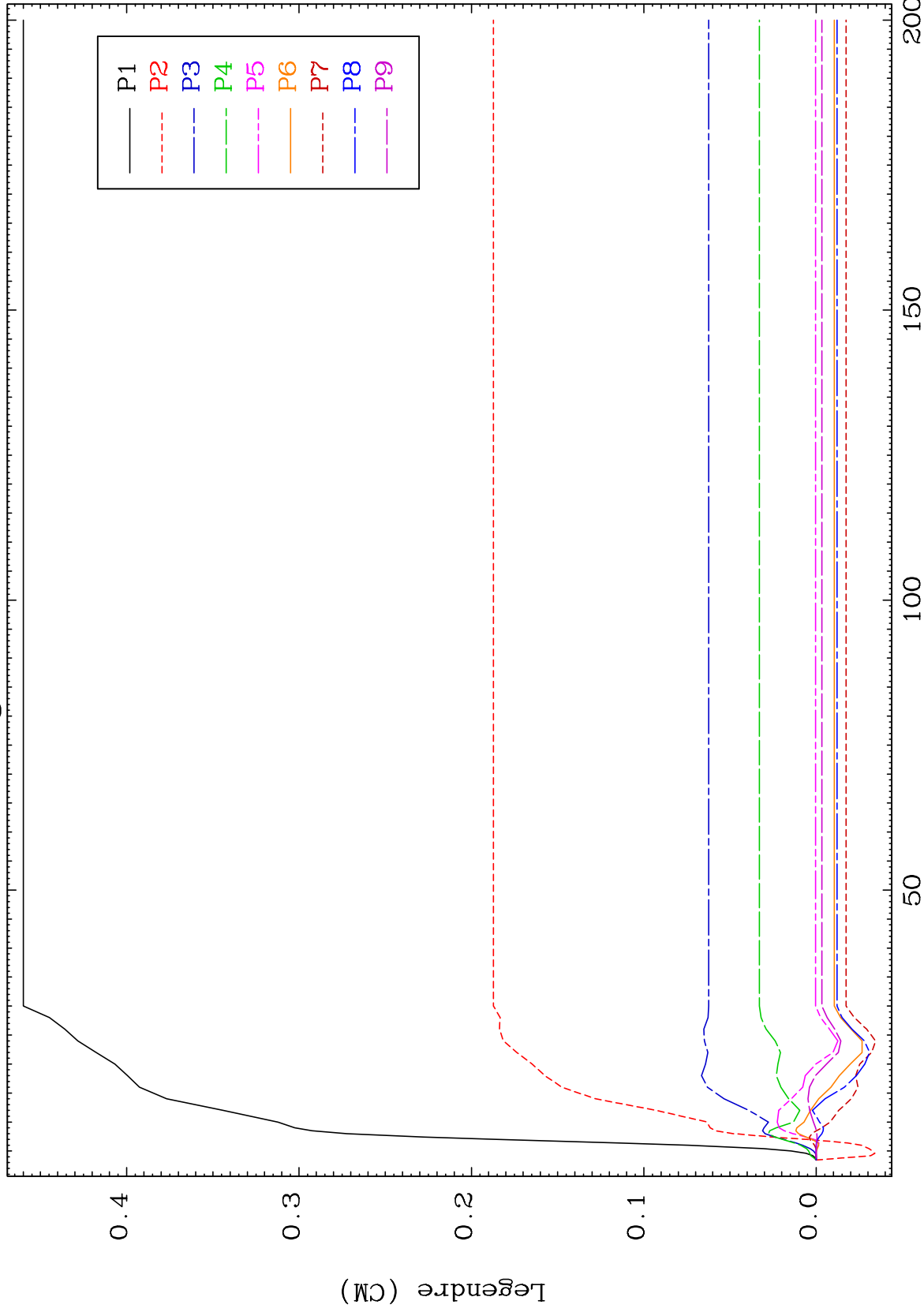
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



118

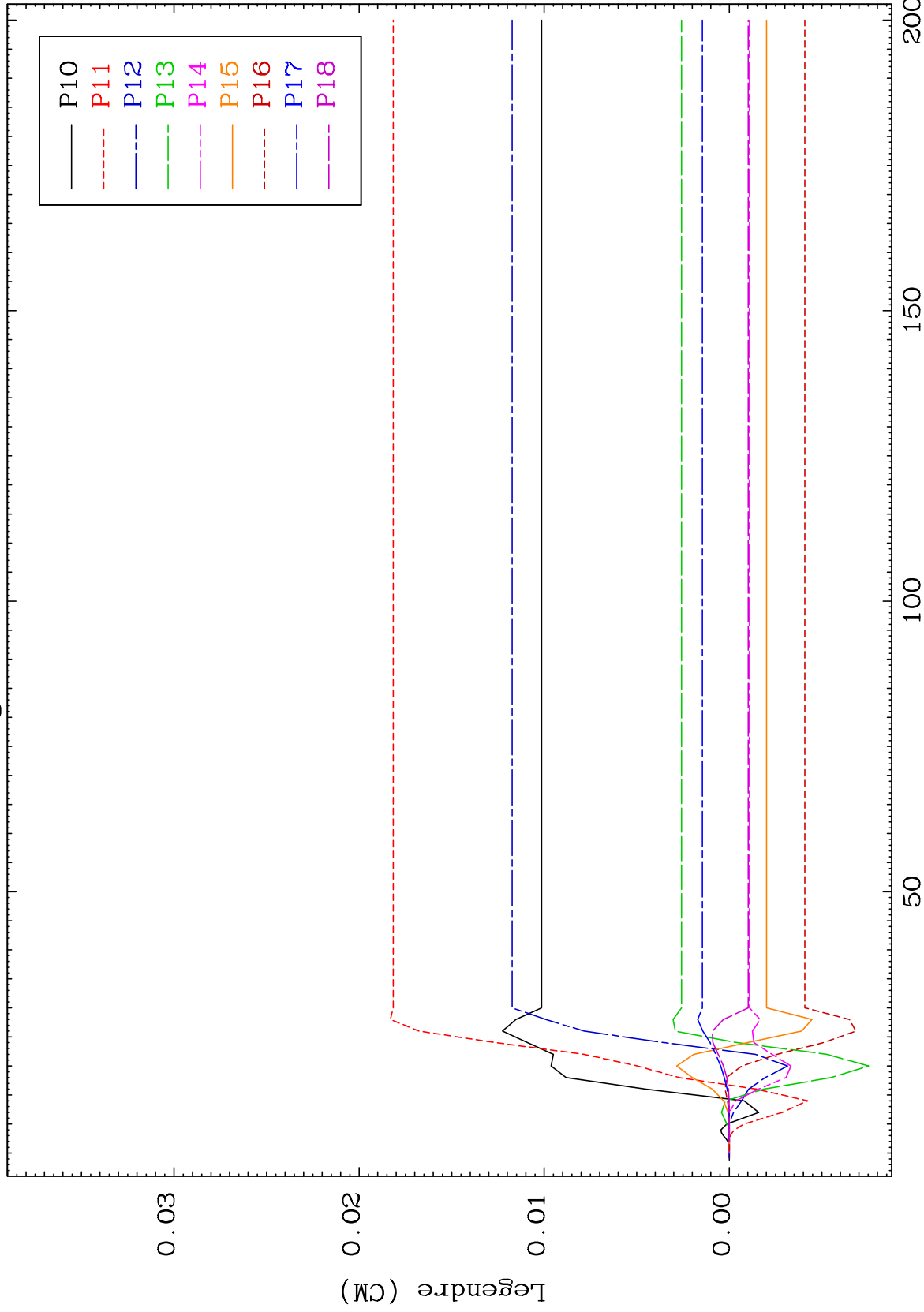
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



119

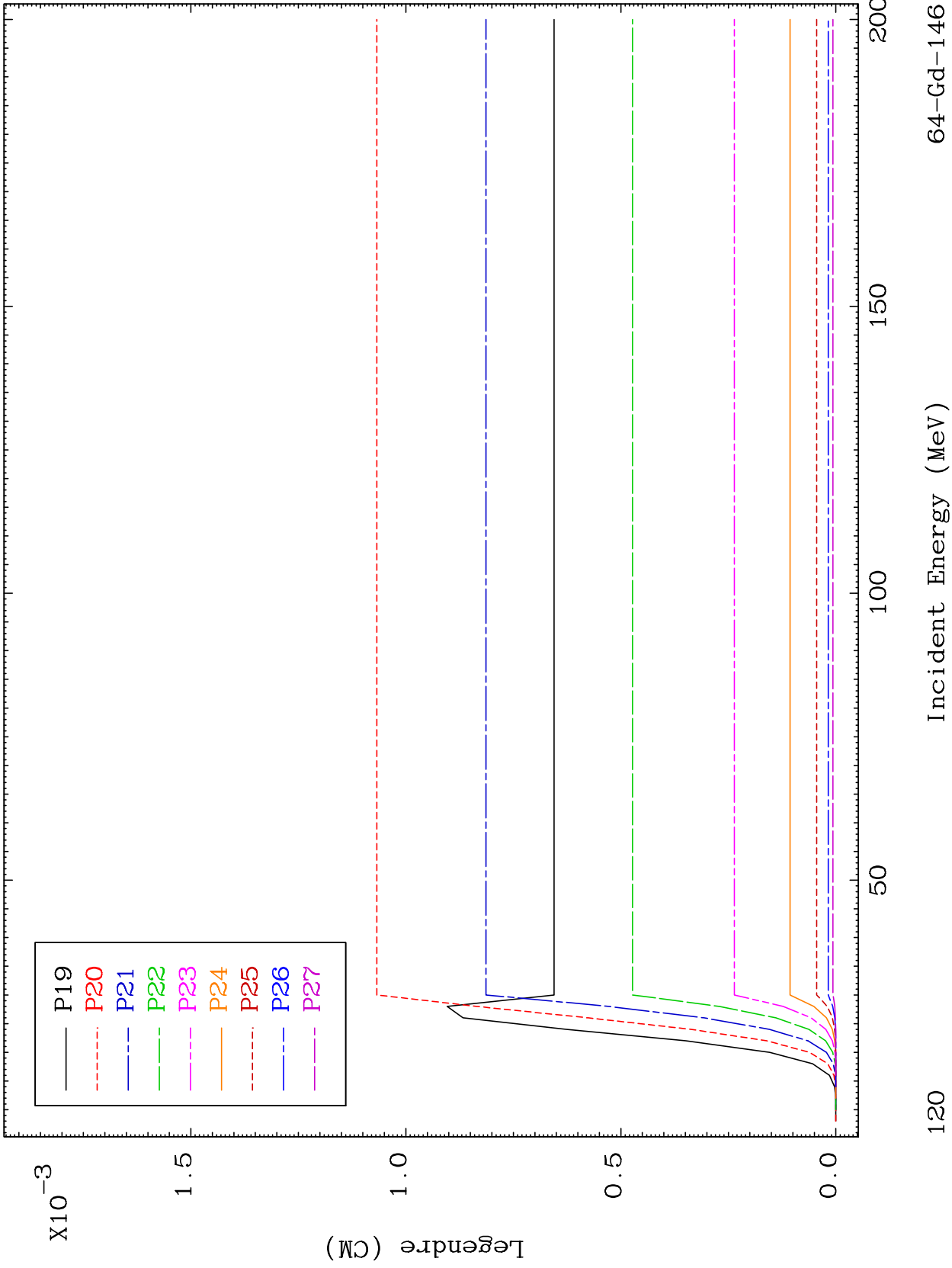
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

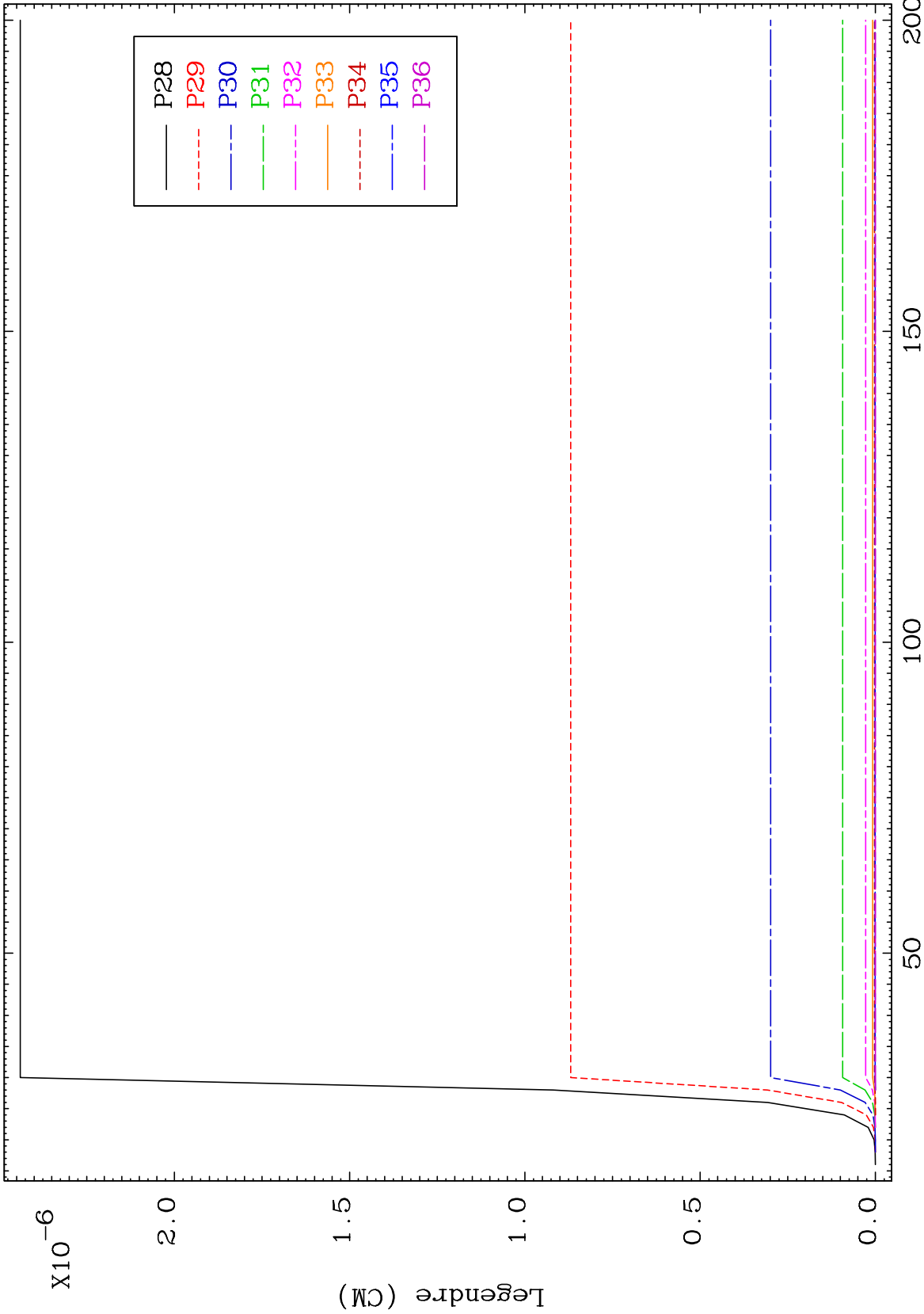
64-Gd-146



MAT 6407

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

64-Gd-146



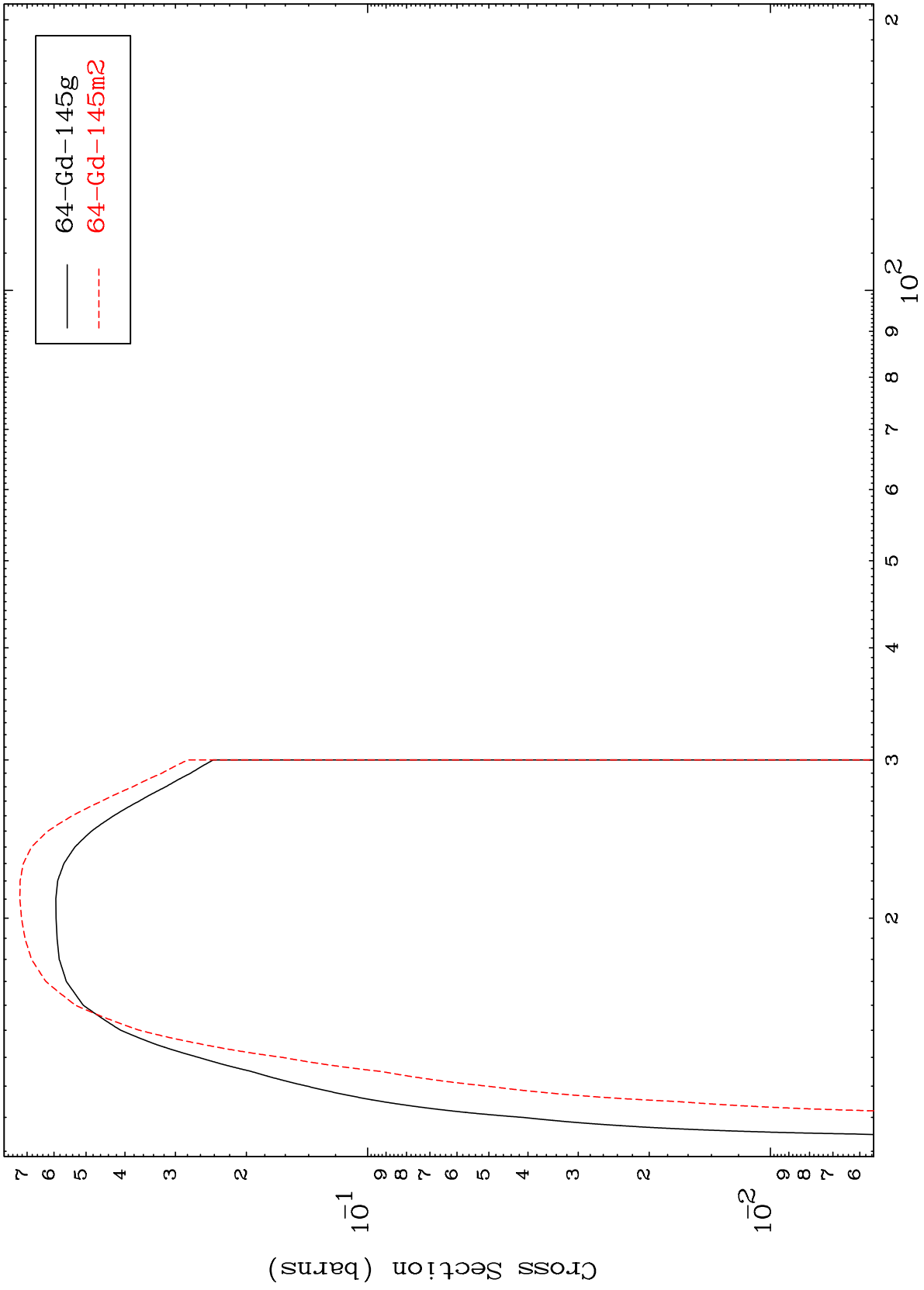
121

64-Gd-146

MAT 6407

64-Gd-146

(n,2n)  
Radionuclide Production Cross Section



122

Incident Energy (MeV)

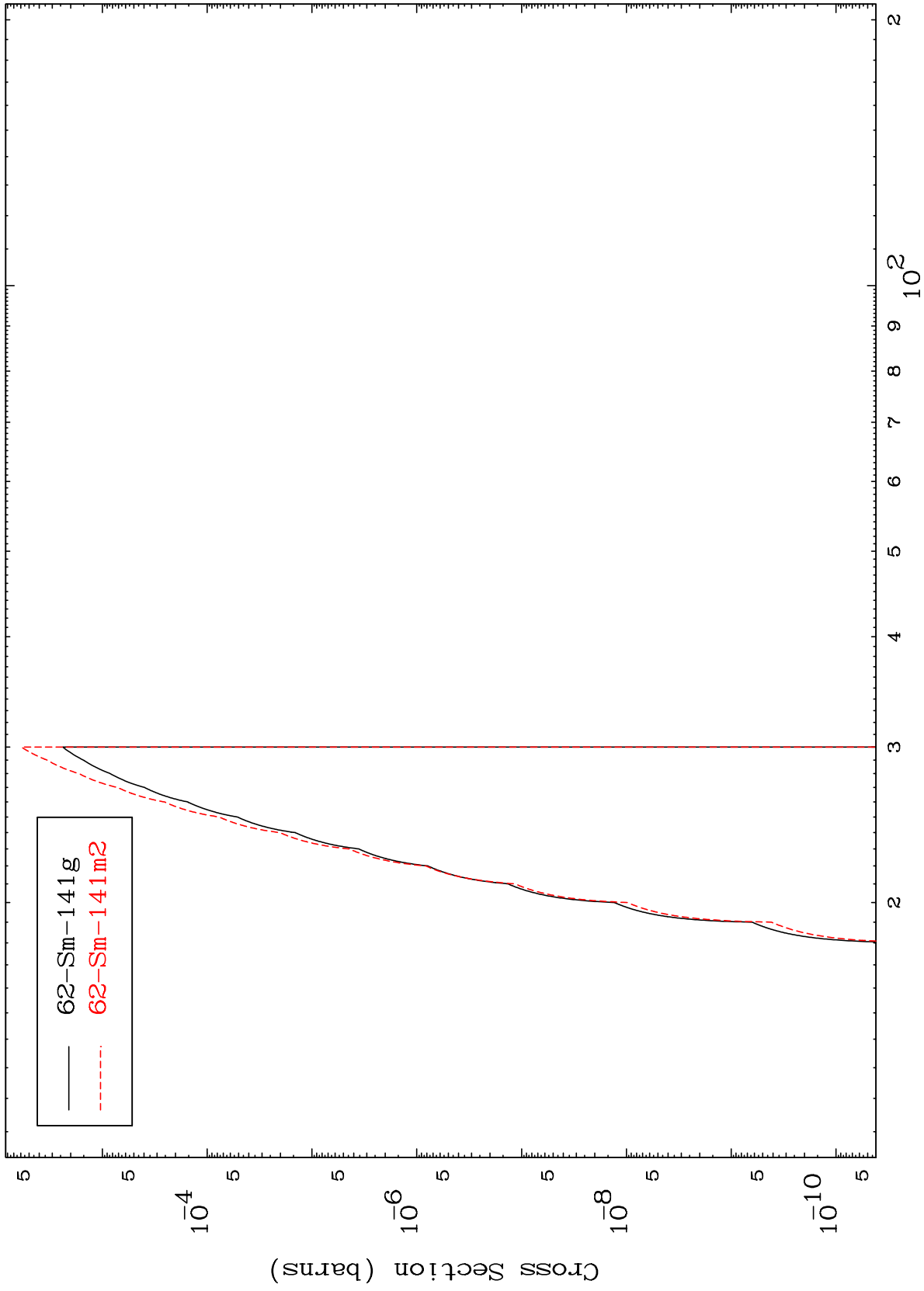
64-Gd-146

MAT 6407

(n,2n)  $\alpha$

64-Gd-146

Radionuclide Production Cross Section



123

Incident Energy (MeV)

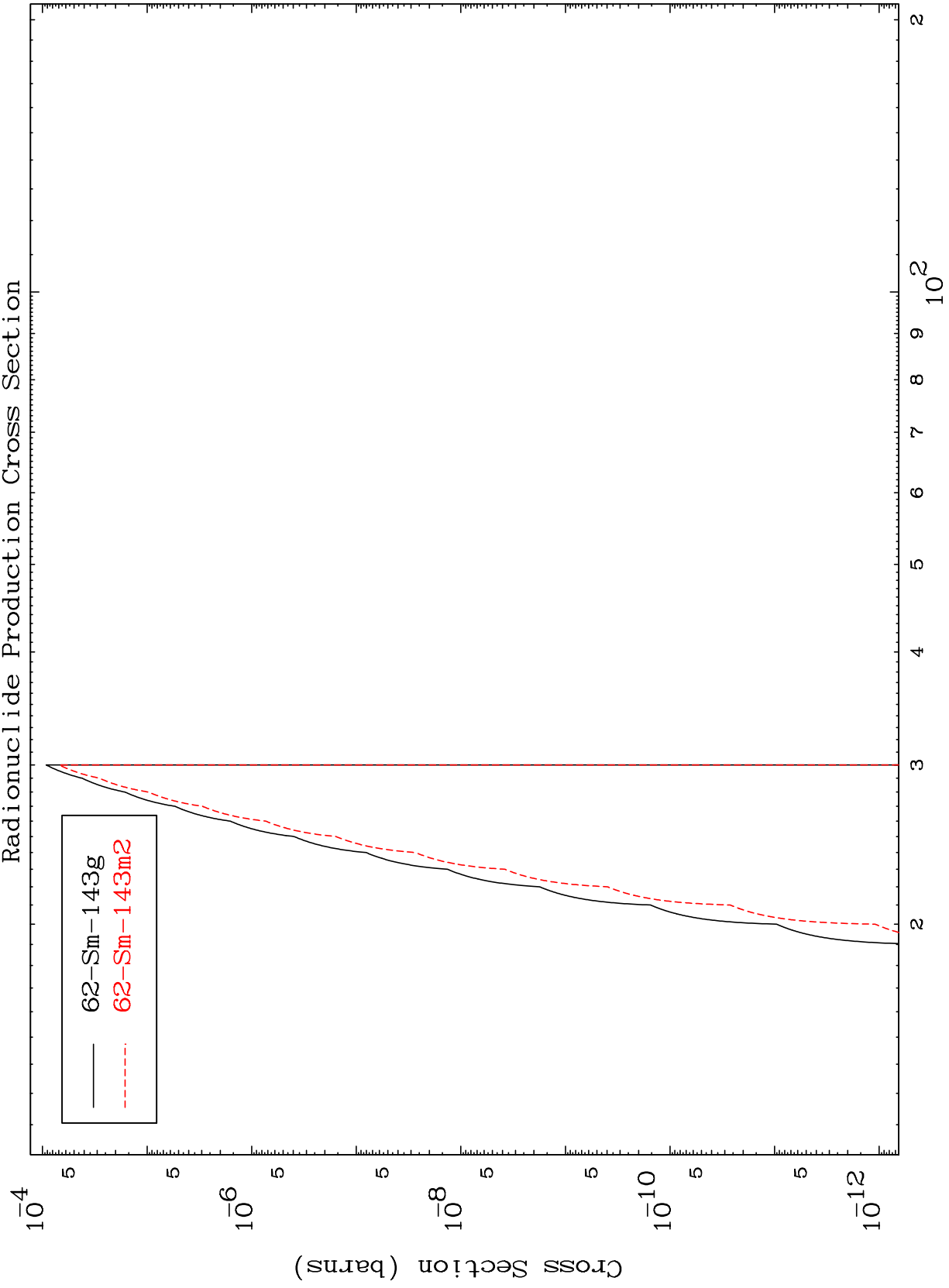
64-Gd-146

MAT 6407

(n, n') He-3

64-Gd-146

Radionuclide Production Cross Section



124

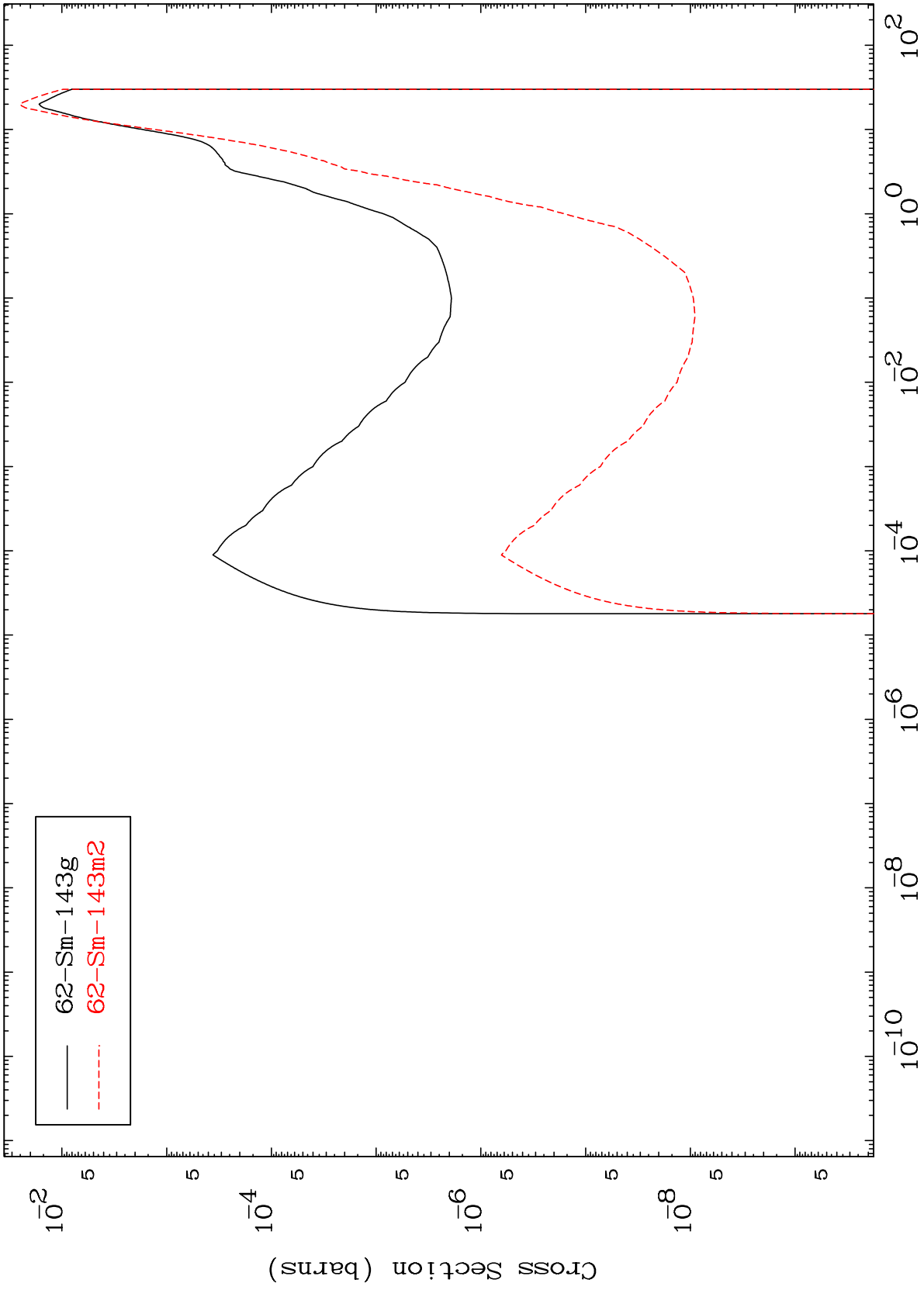
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



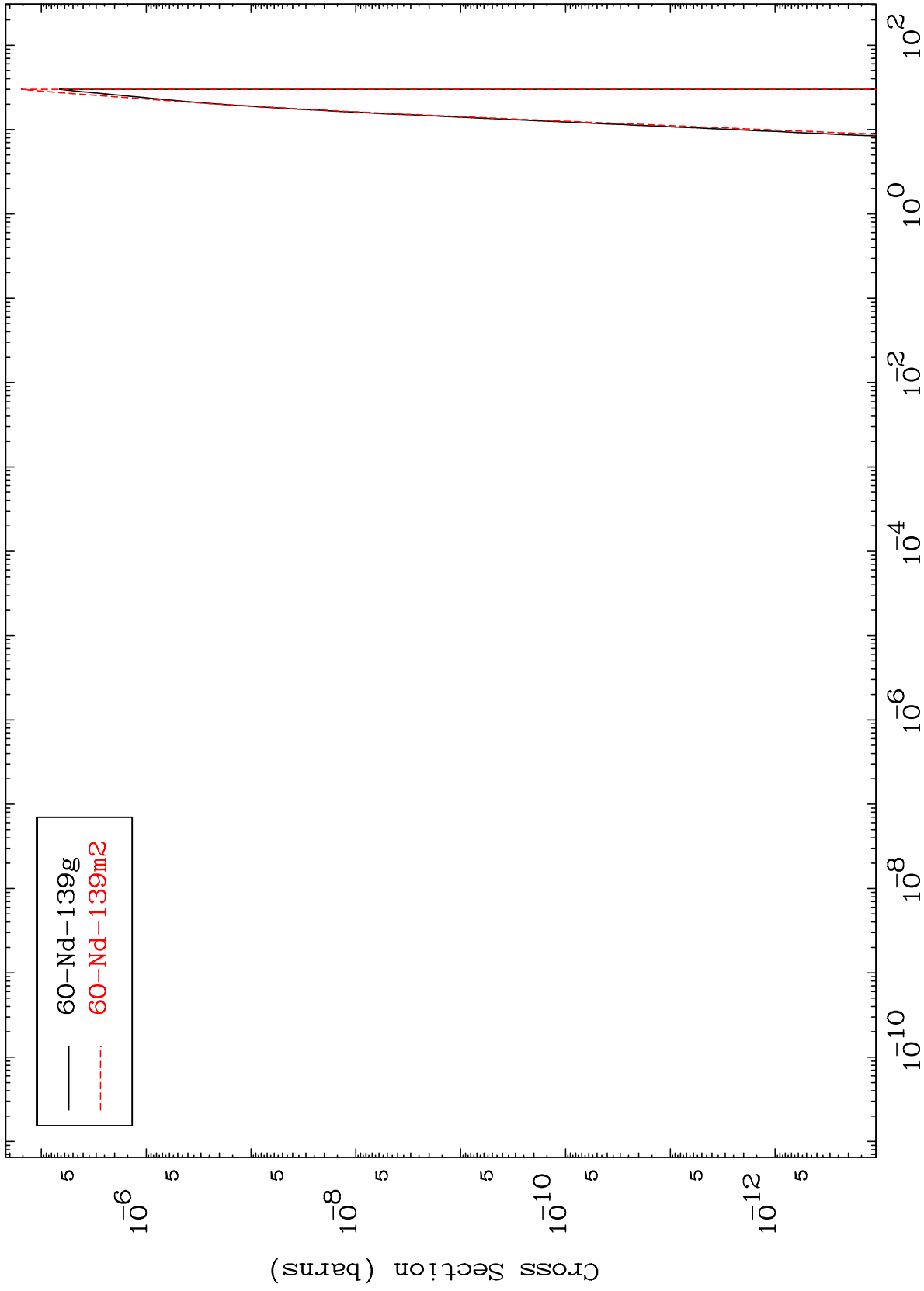
125

MAT 6407

(n,2α)

64-Gd-146

Radionuclide Production Cross Section



126

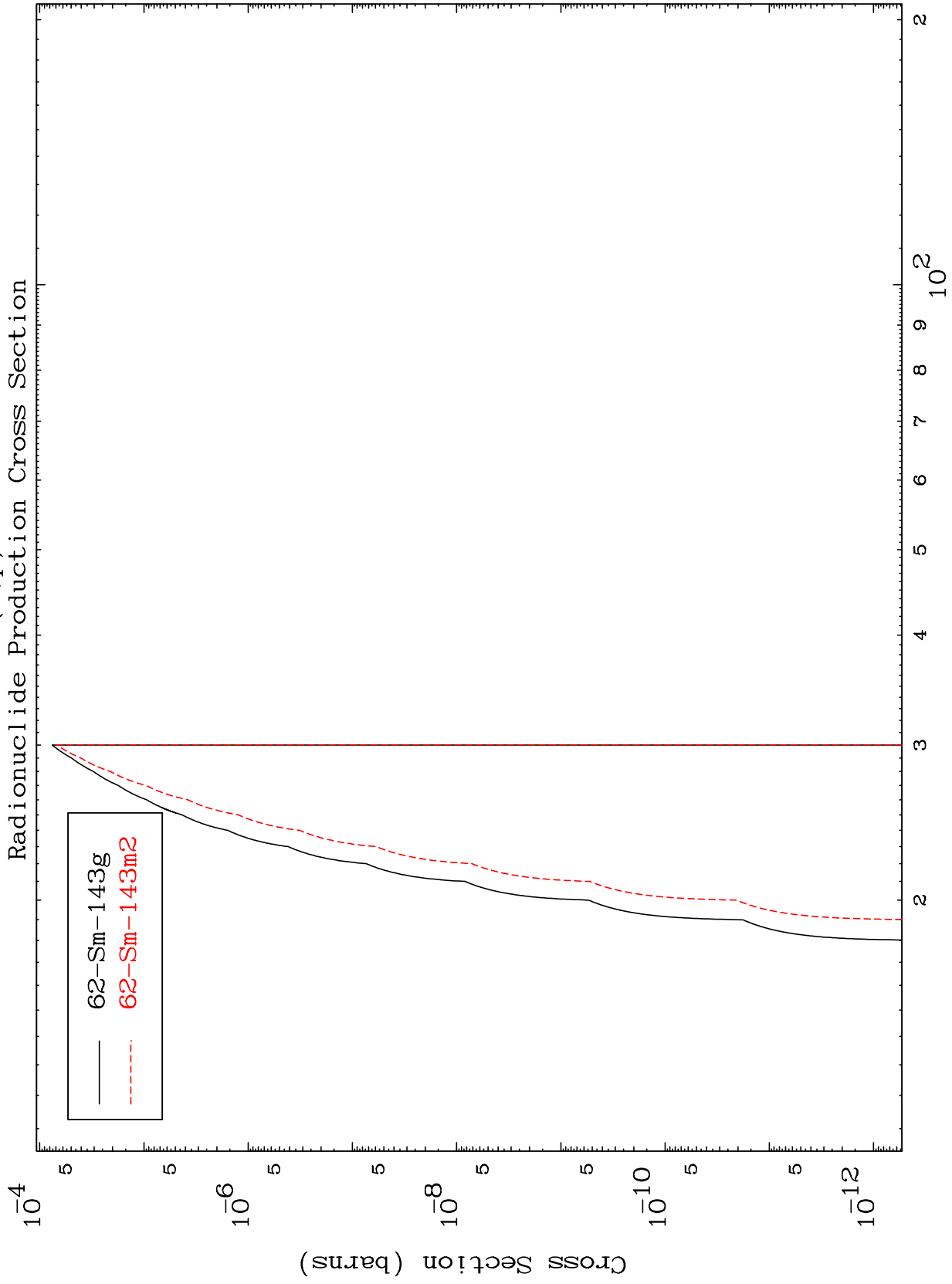
Incident Energy (MeV)

64-Gd-146

MAT 6407

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64-Gd-146



127

64-Gd-146