

Program EVALPLOT  
(Version 2018-1)

by

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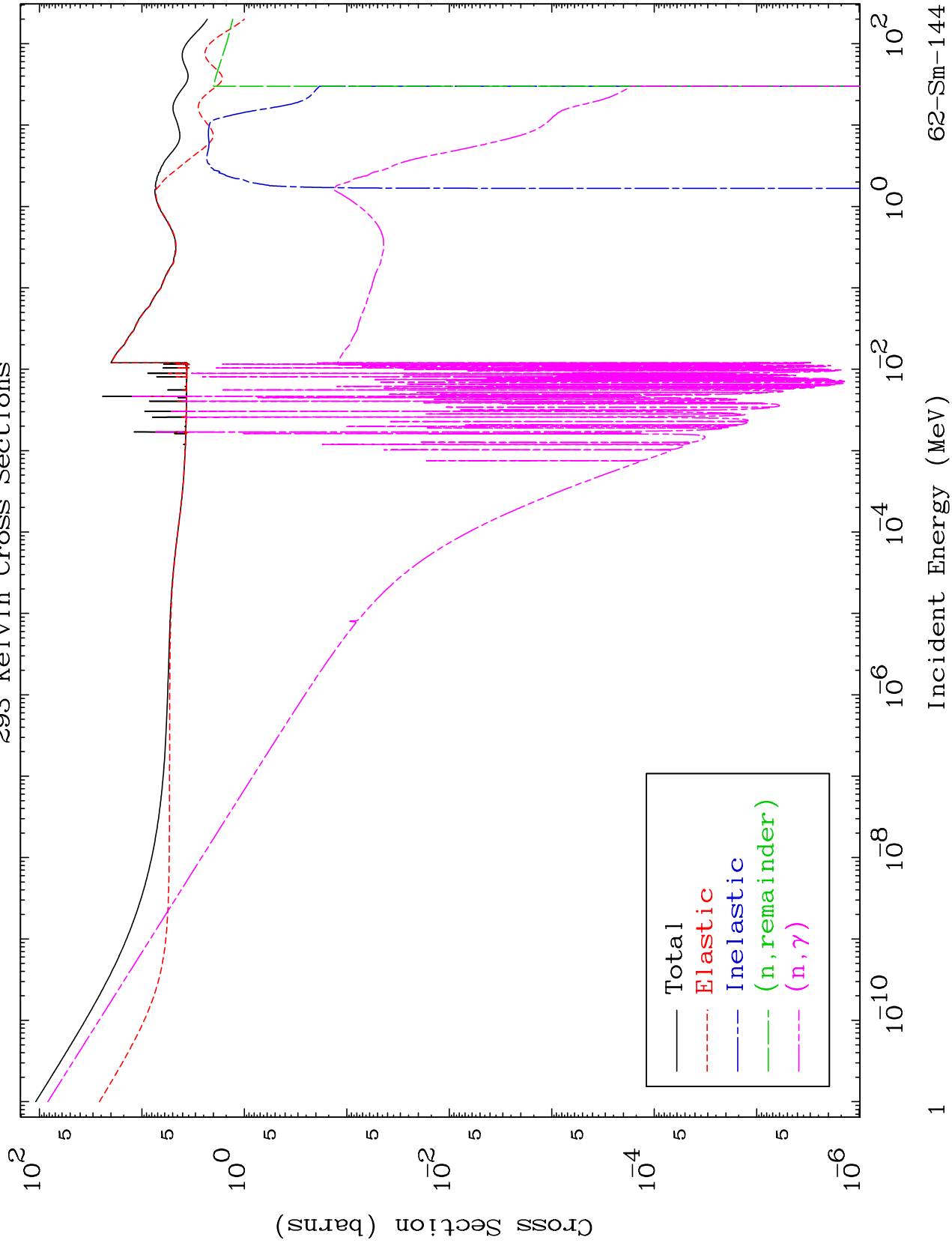
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6225

Major  
293 Kelvin Cross Sections

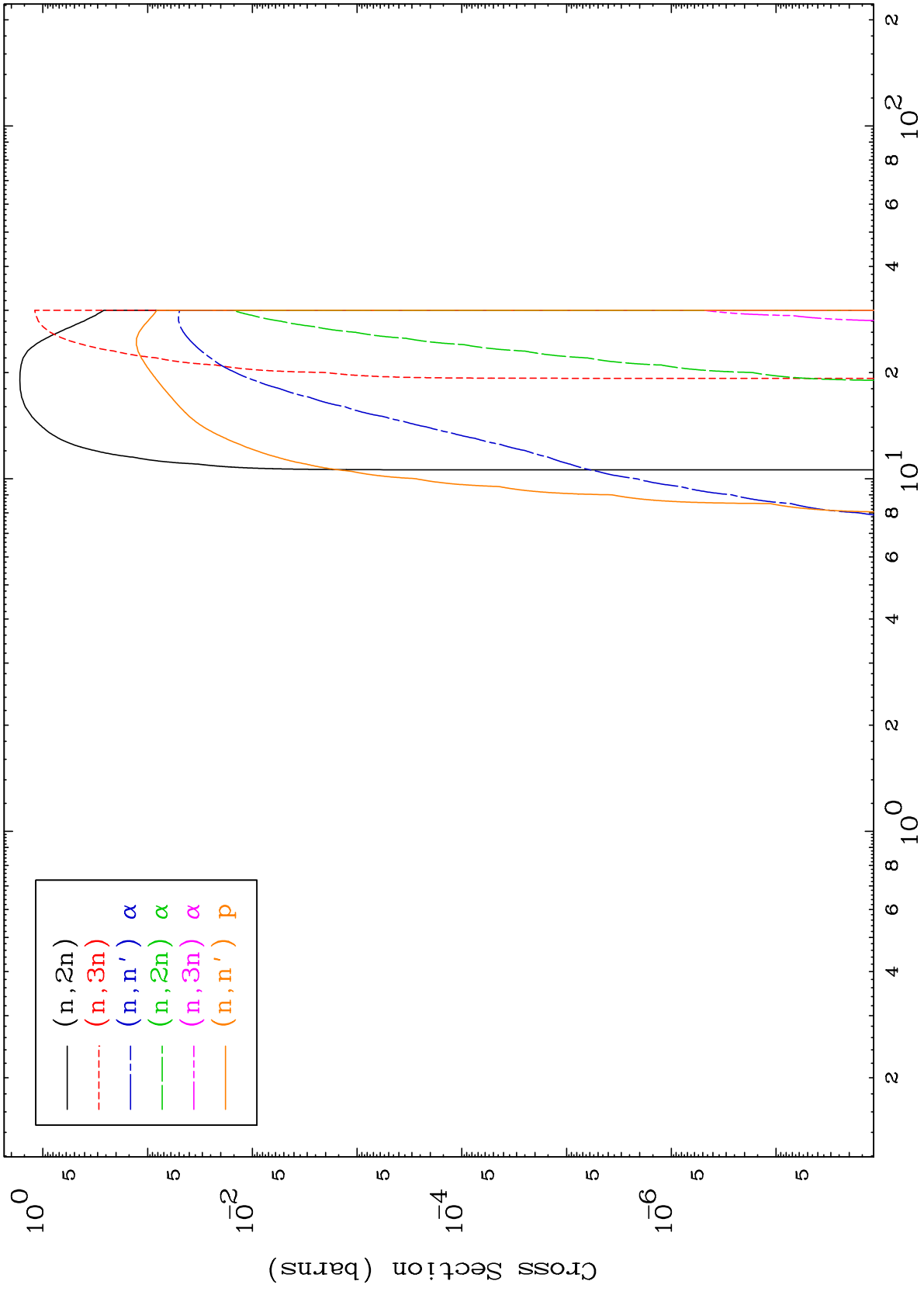
62-Sm-144



MAT 6225

Neutron Production  
293 Kelvin Cross Sections

62-Sm-144



2

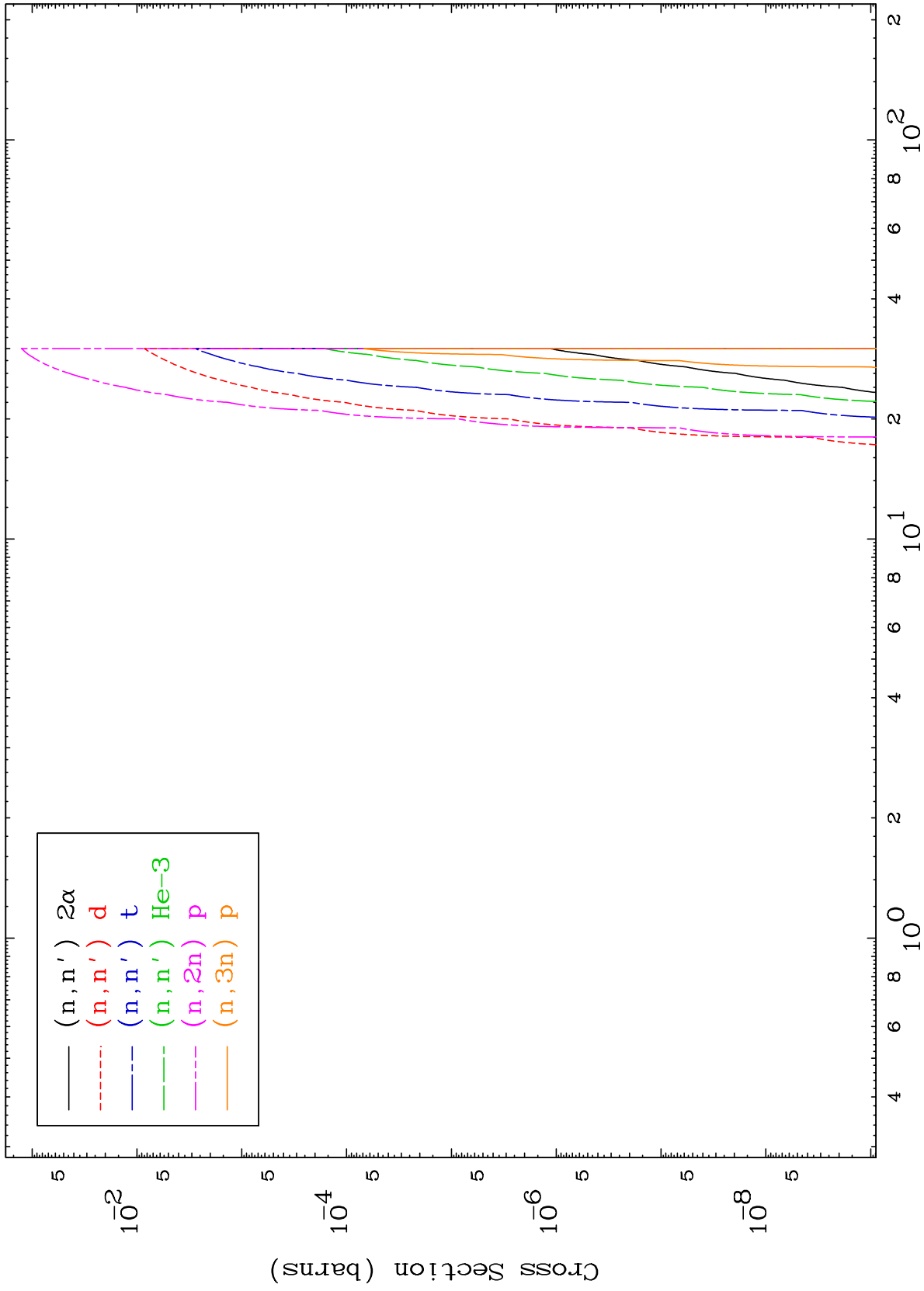
Incident Energy (MeV)

62-Sm-144

MAT 6225

Neutron Production  
293 Kelvin Cross Sections

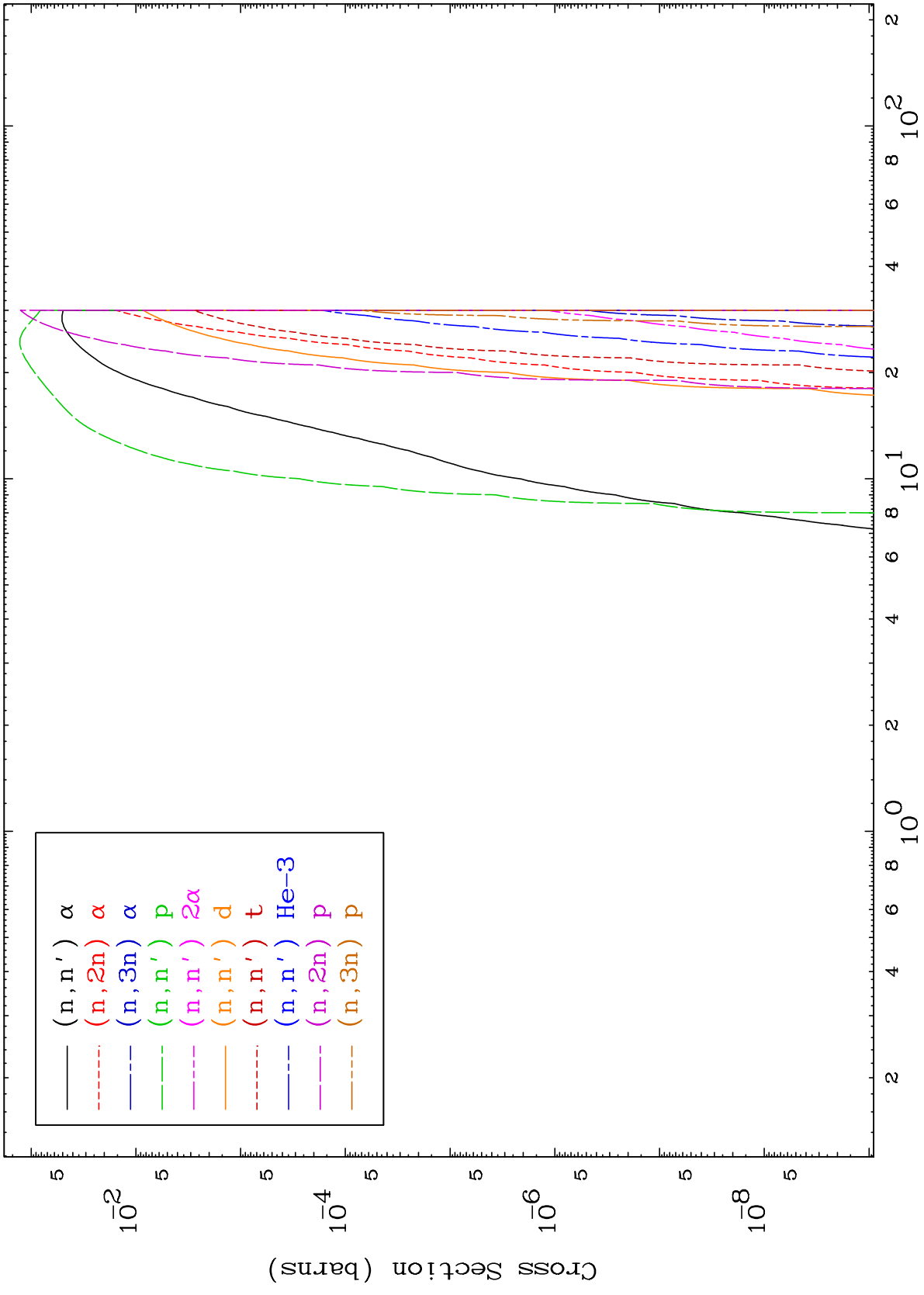
62-Sm-144



MAT 6225

293 Kelvin Cross Sections

62-Sm-144

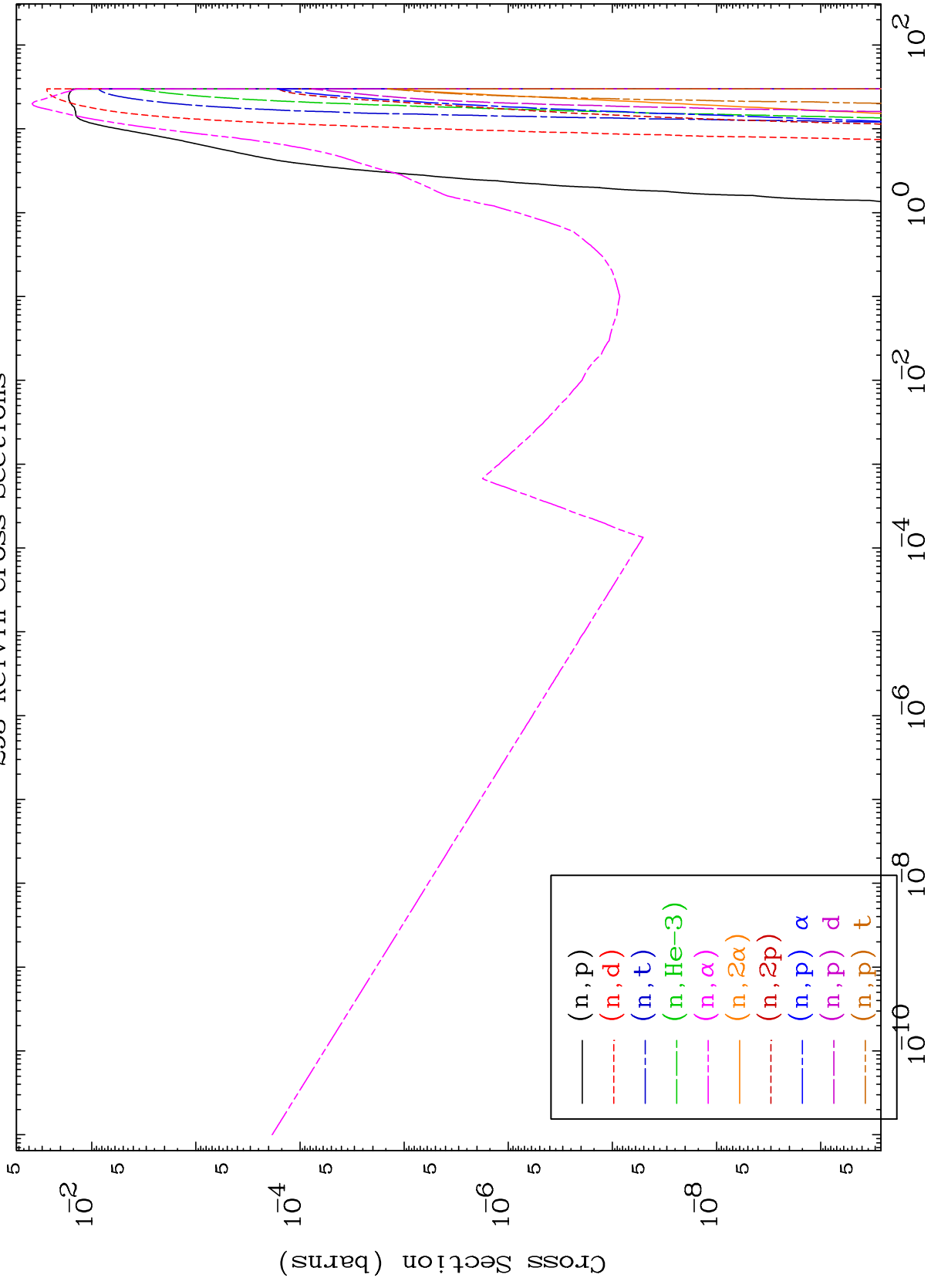


62-Sm-144

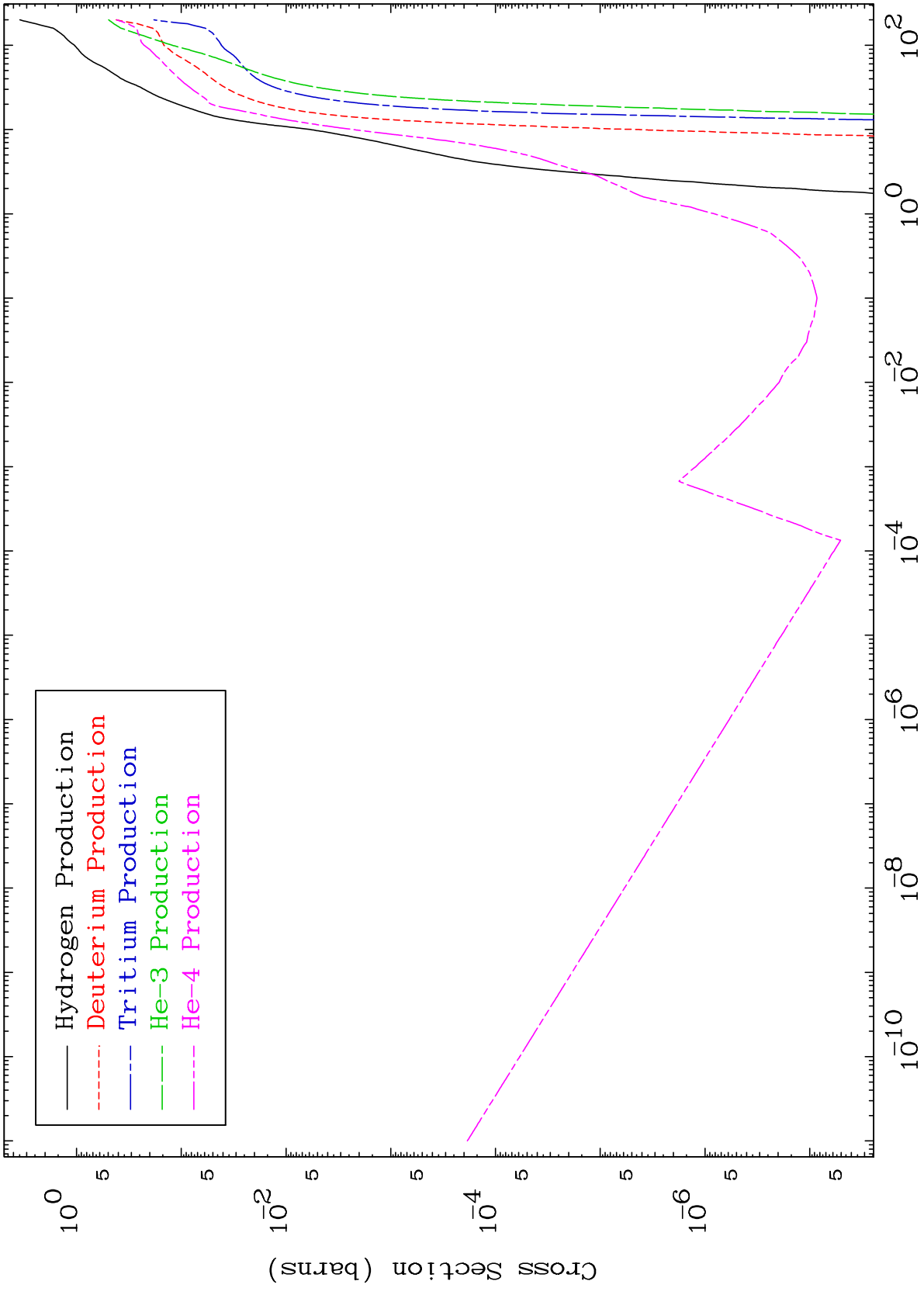
MAT 6225

293 Charged Particle  
Kelvin Cross Sections

62-Sm-144



62-Sm-144

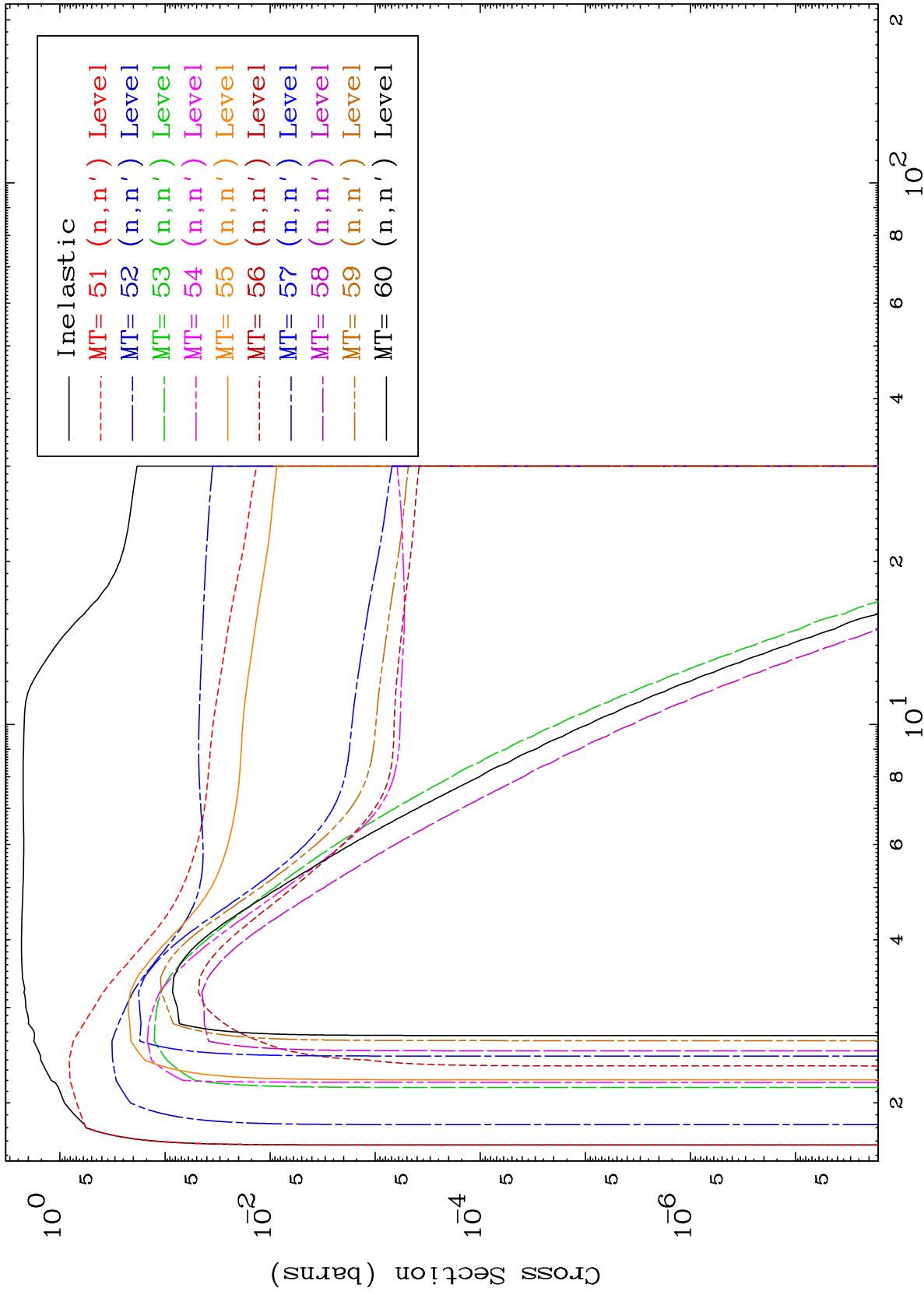


MAT 6225

(n,n') Level

62-Sm-144

293 Kelvin Cross Sections



7

Incident Energy (MeV)

62-Sm-144

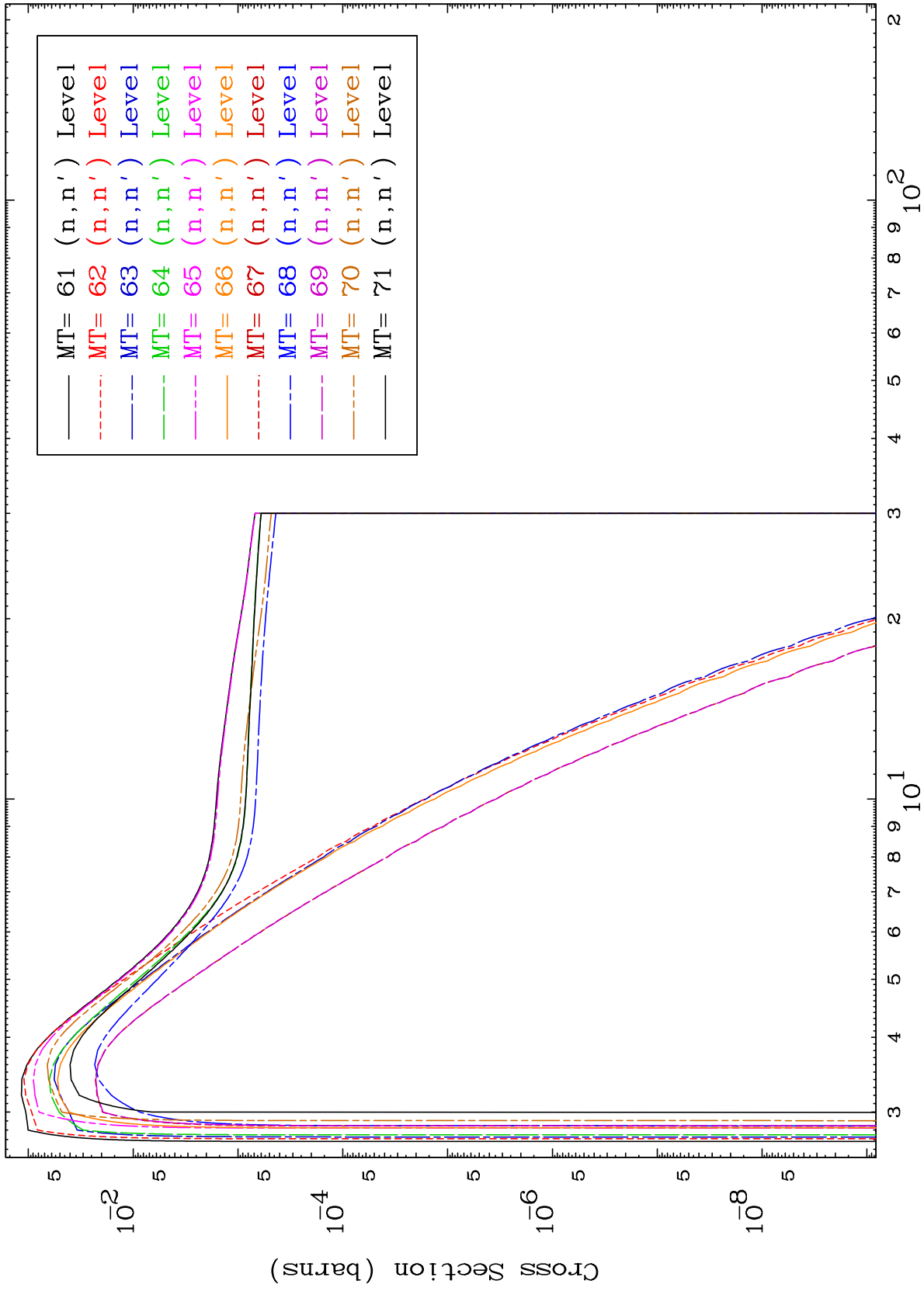


MAT 6225

(n,n') Level

62-Sm-144

293 Kelvin Cross Sections



8

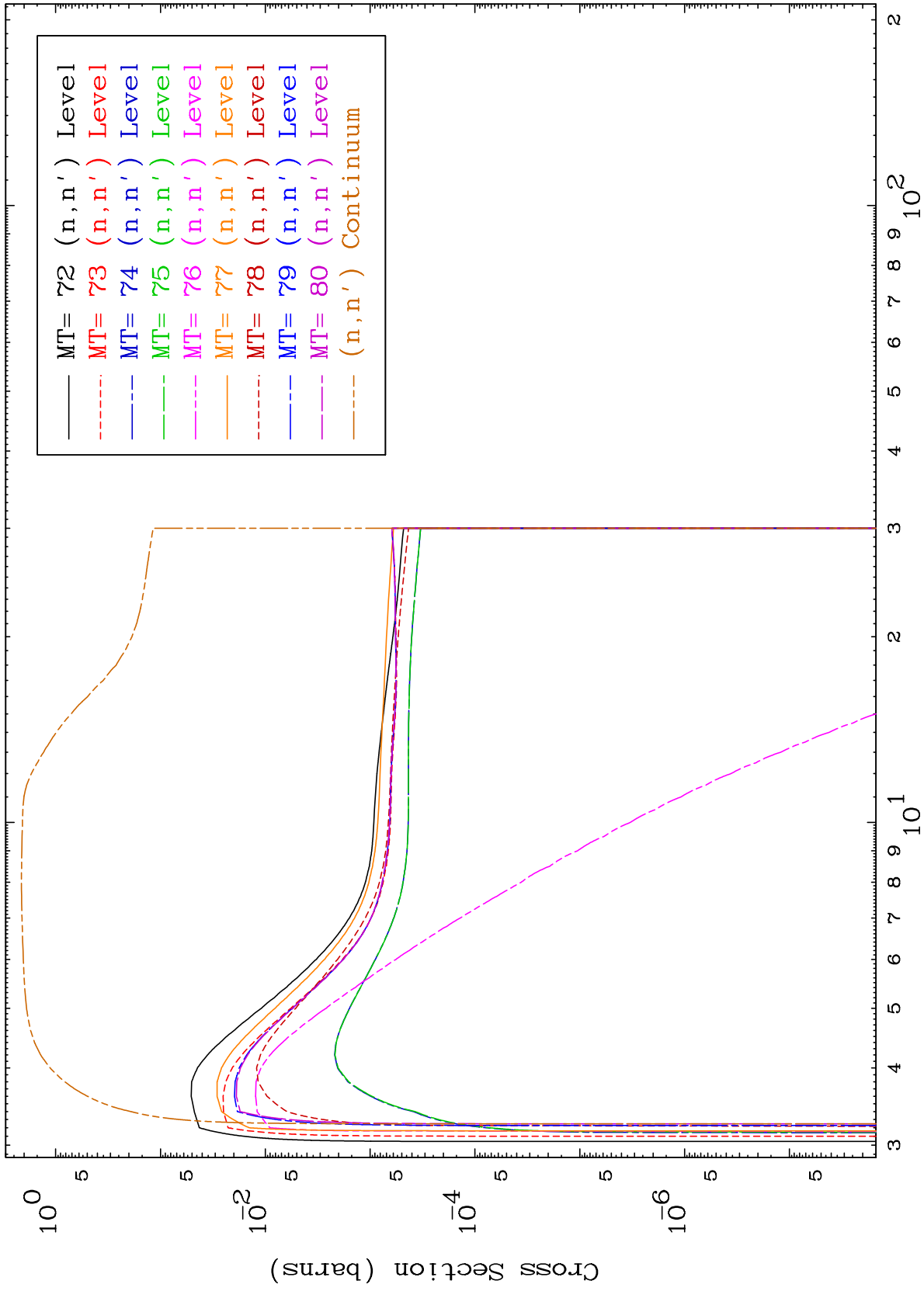
Incident Energy (MeV)

62-Sm-144

MAT 6225

(n,n') Level  
293 Kelvin Cross Sections

62-Sm-144



9

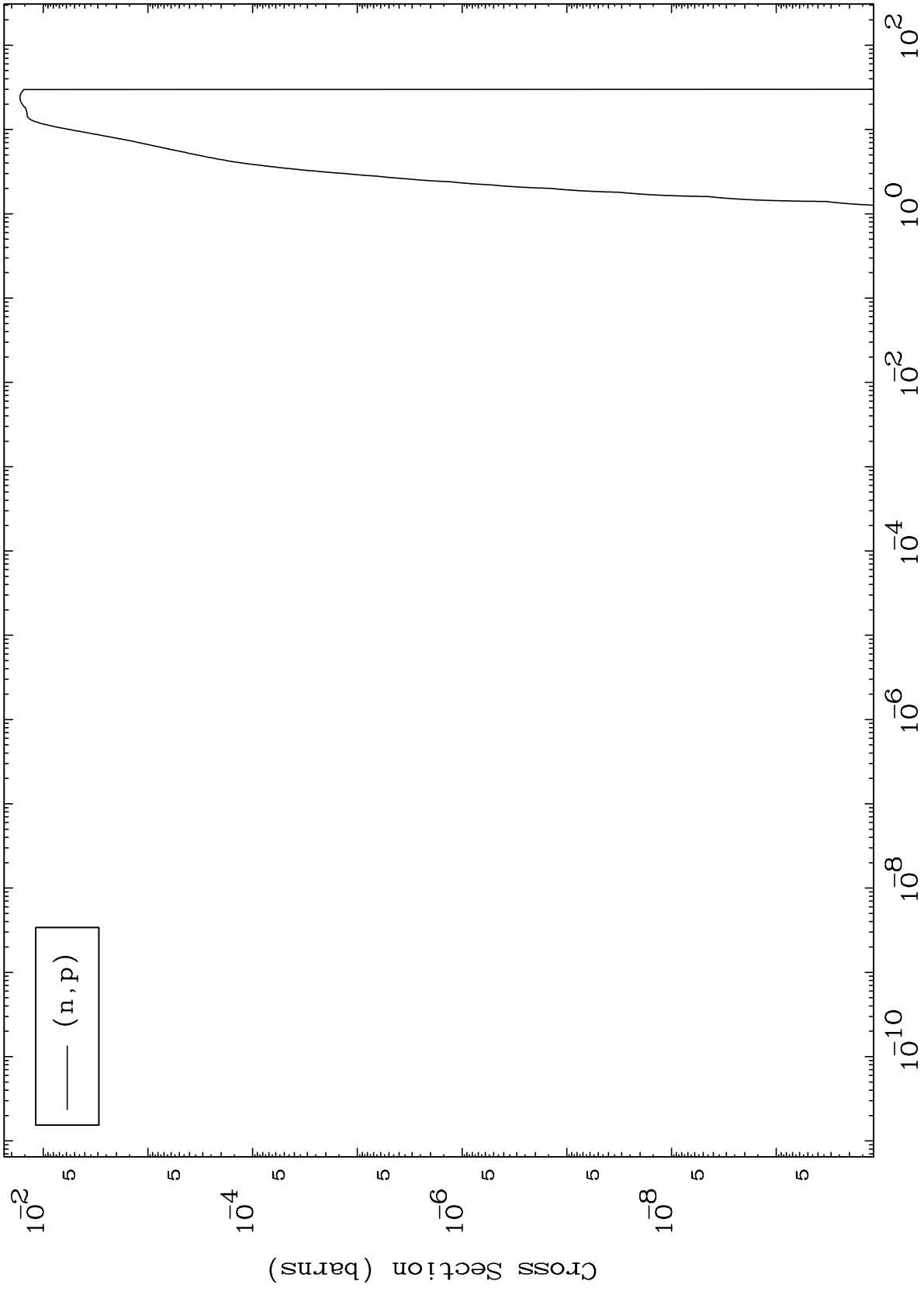
Incident Energy (MeV)

62-Sm-144

MAT 6225

(n,p) Levels  
293 Kelvin Cross Sections

62-Sm-144



10

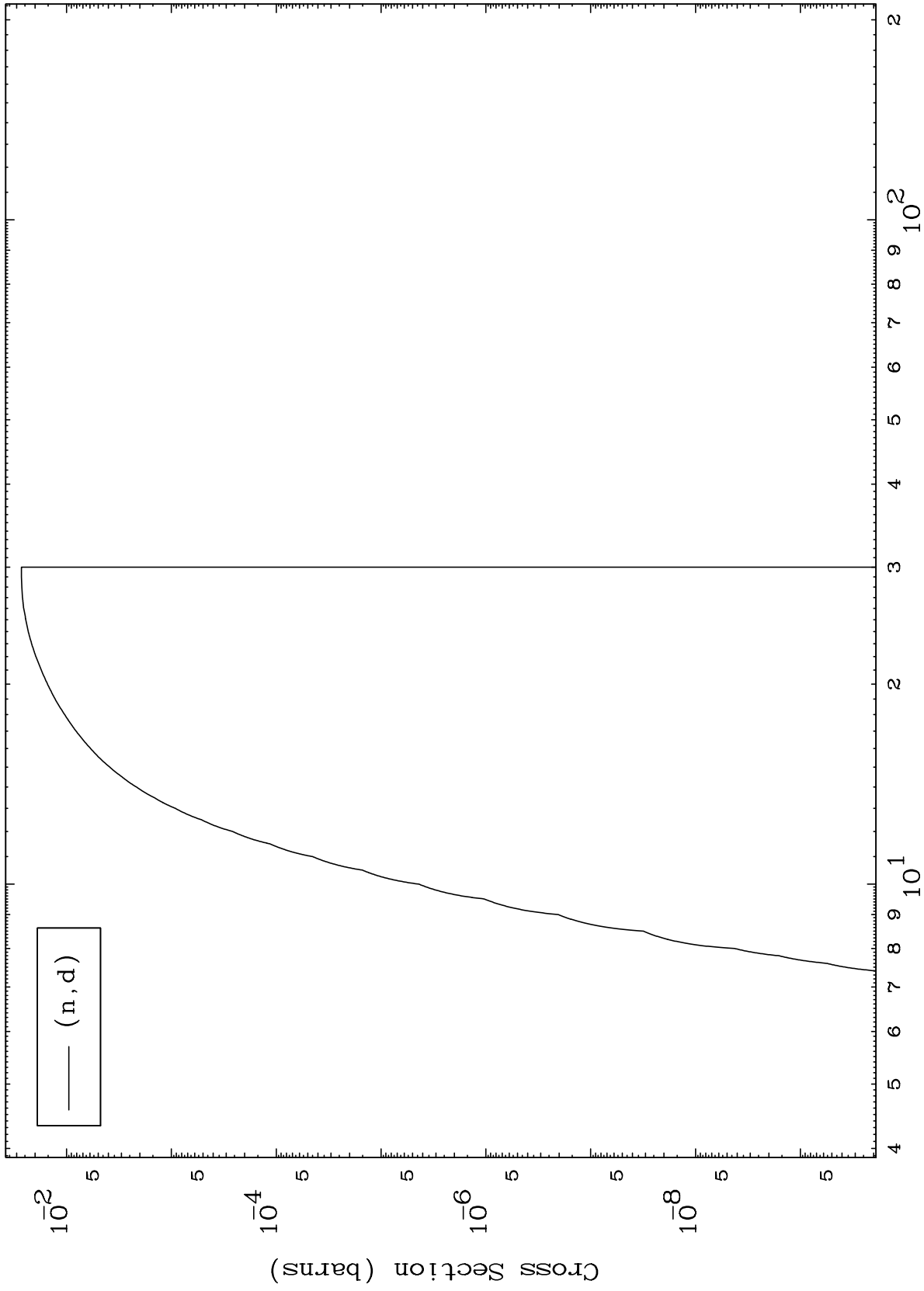
Incident Energy (MeV)

62-Sm-144

MAT 6225

(n,d) Levels  
293 Kelvin Cross Sections

62-Sm-144



11

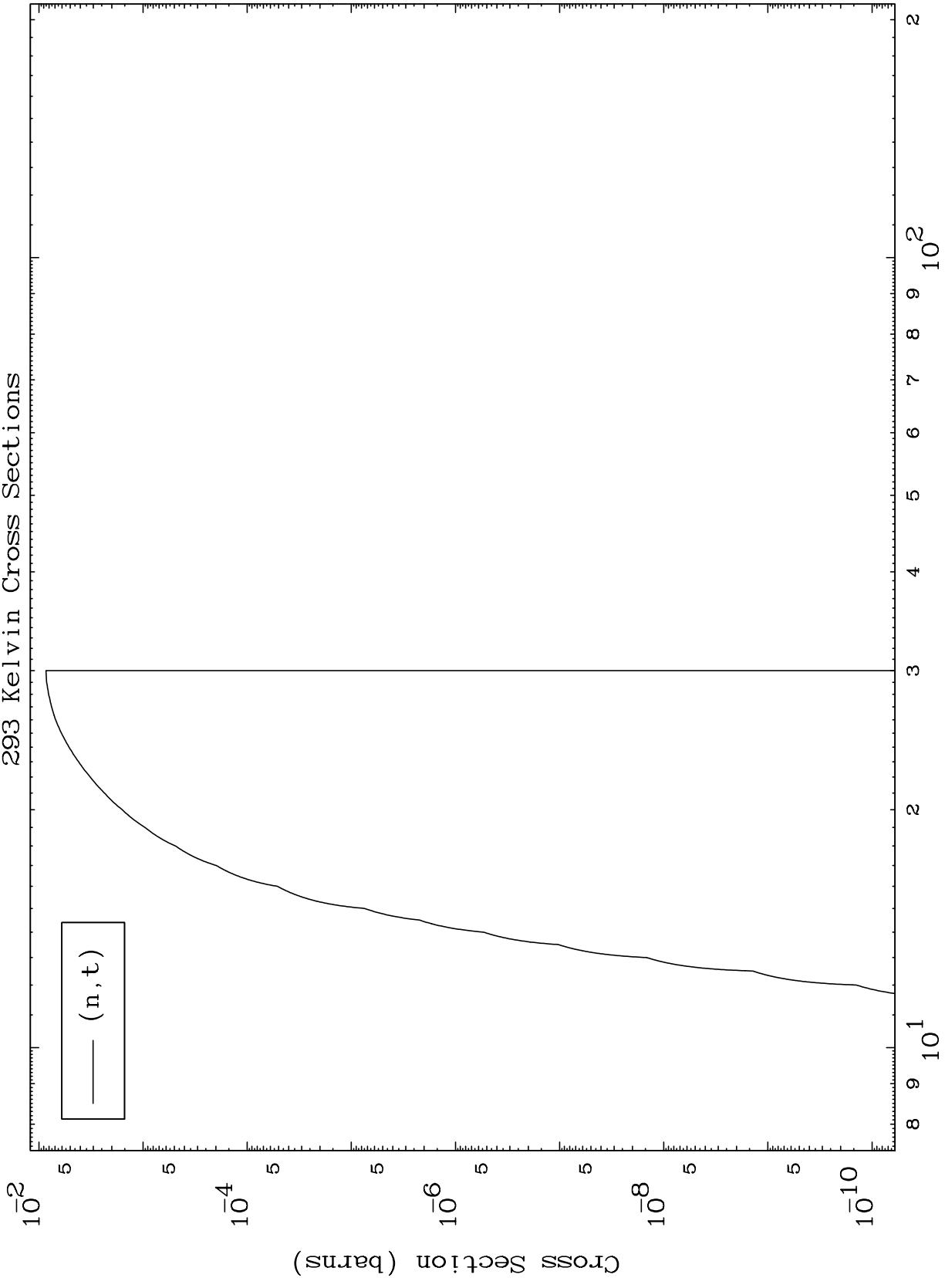
Incident Energy (MeV)

62-Sm-144

MAT 6225

(n,t) Levels  
293 Kelvin Cross Sections

62-Sm-144



12

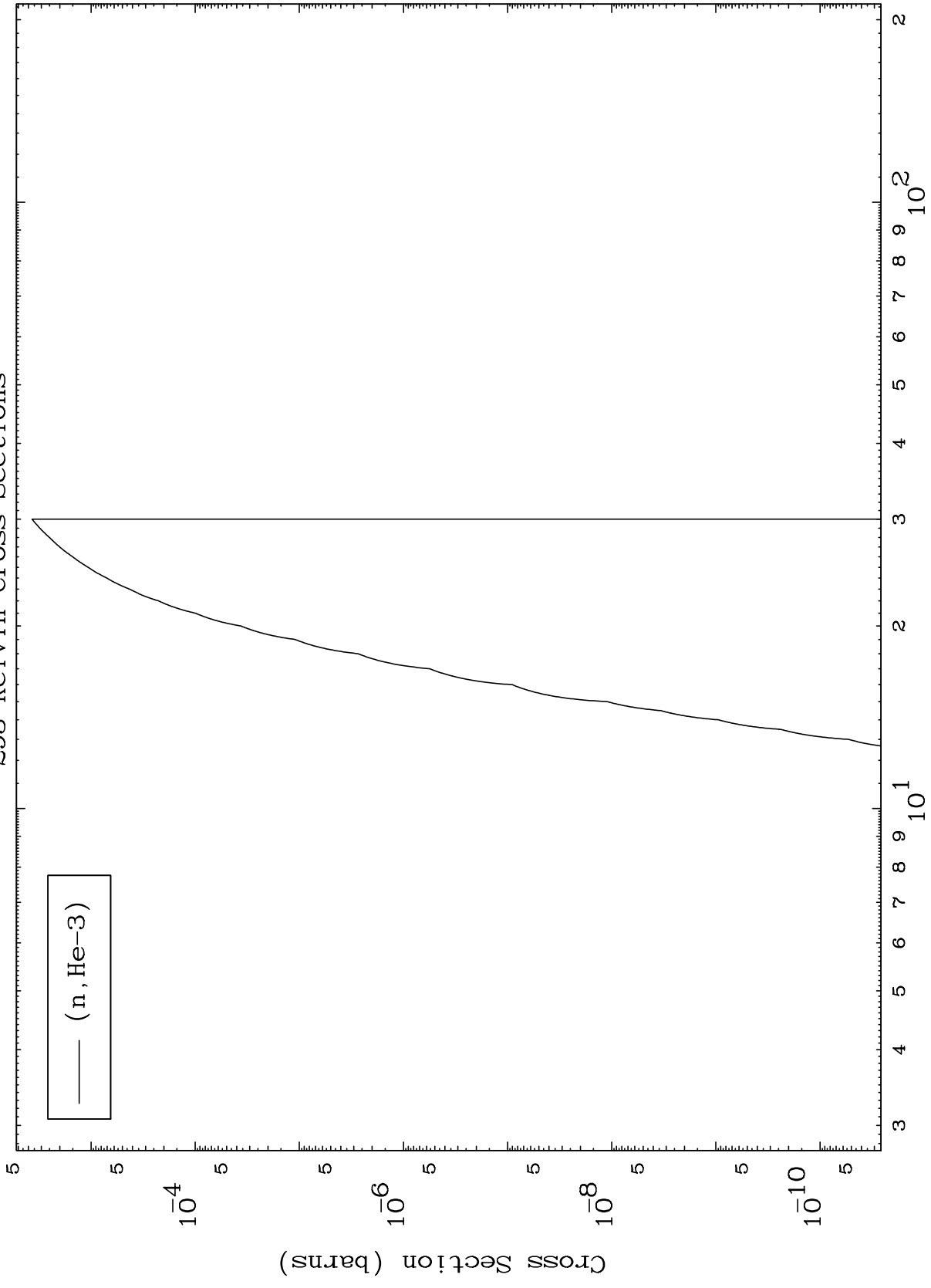
Incident Energy (MeV)

62-Sm-144

MAT 6225

(n,He3) Levels  
293 Kelvin Cross Sections

62-Sm-144



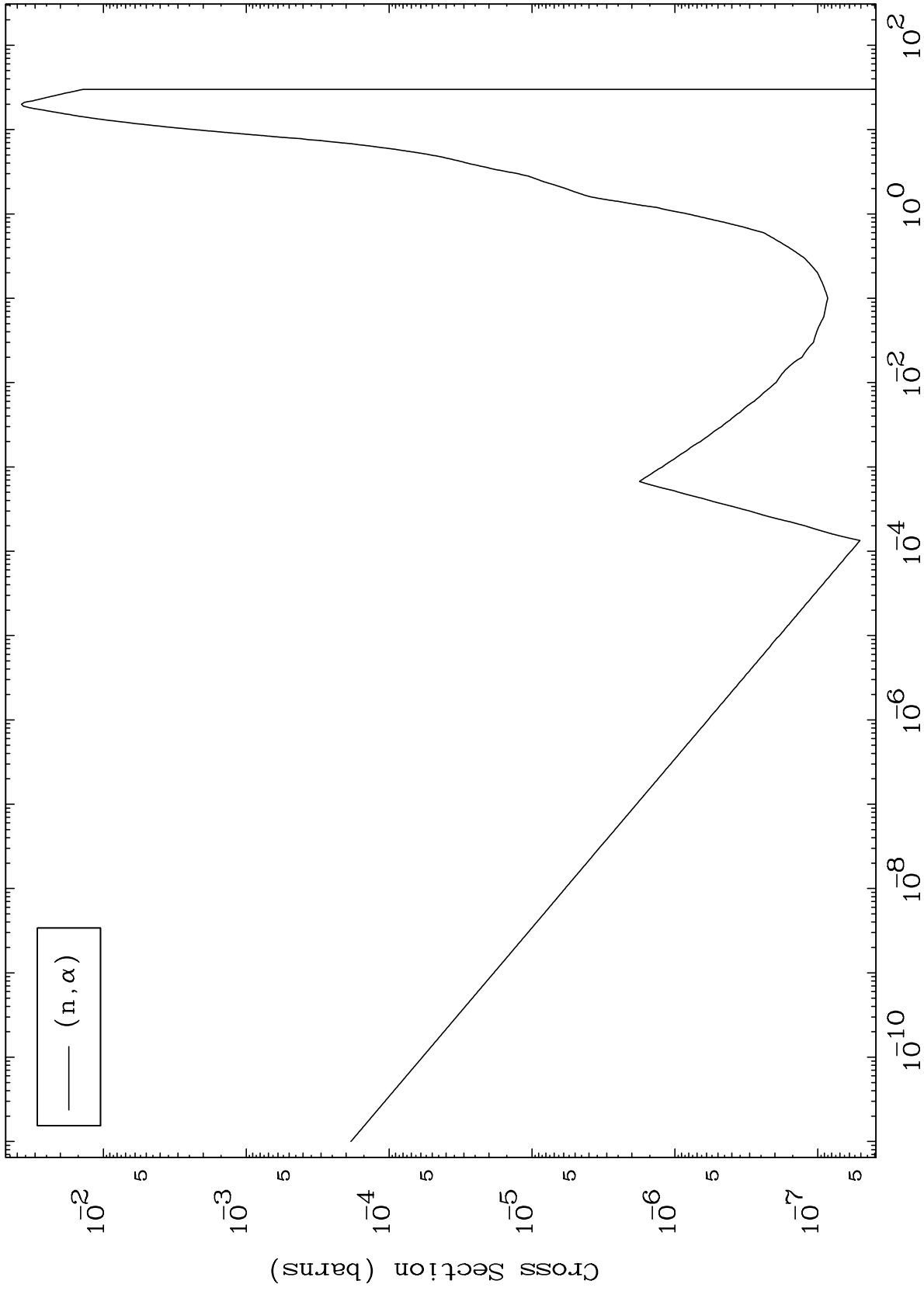
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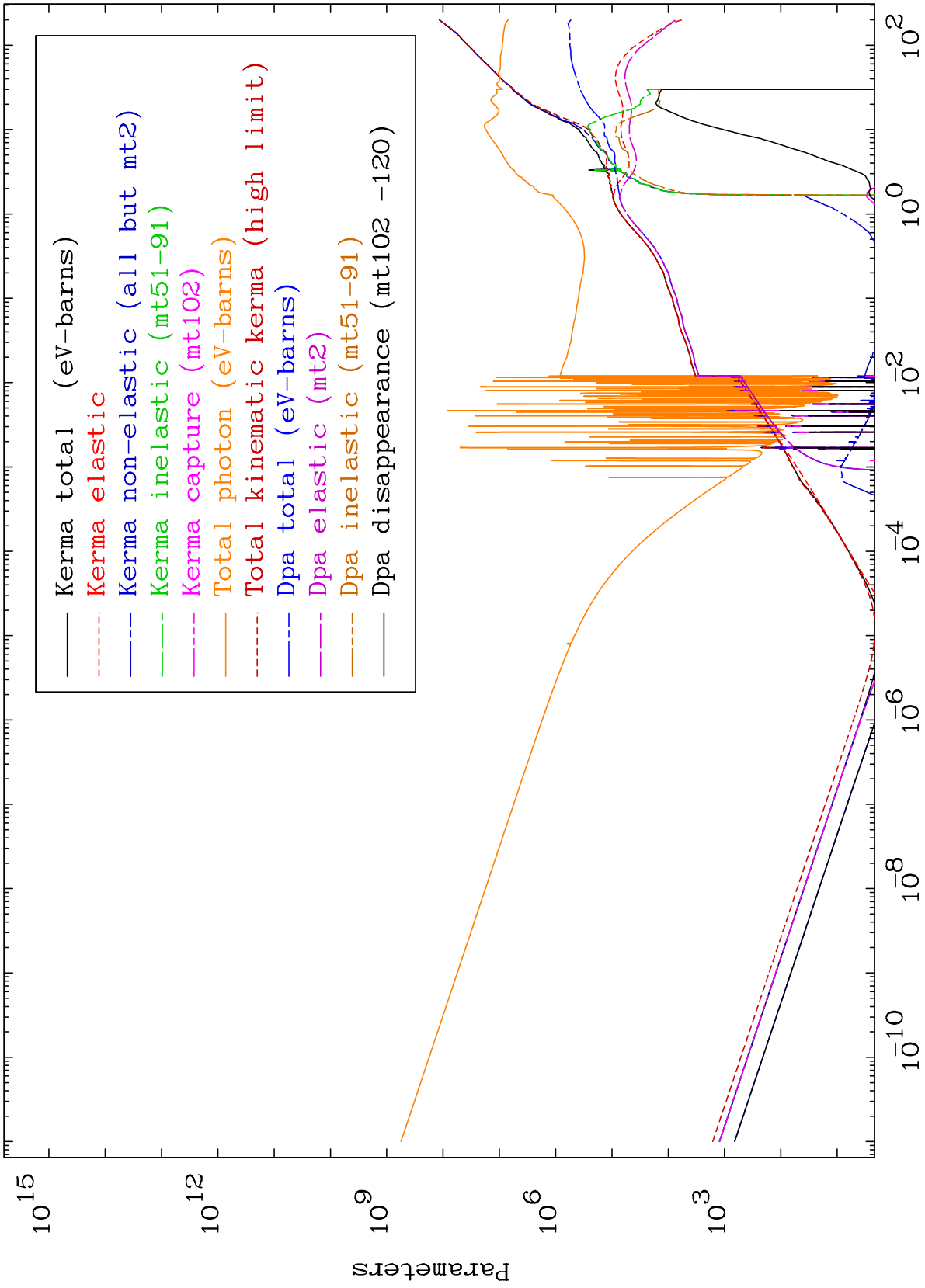
62-Sm-144

MAT 6225

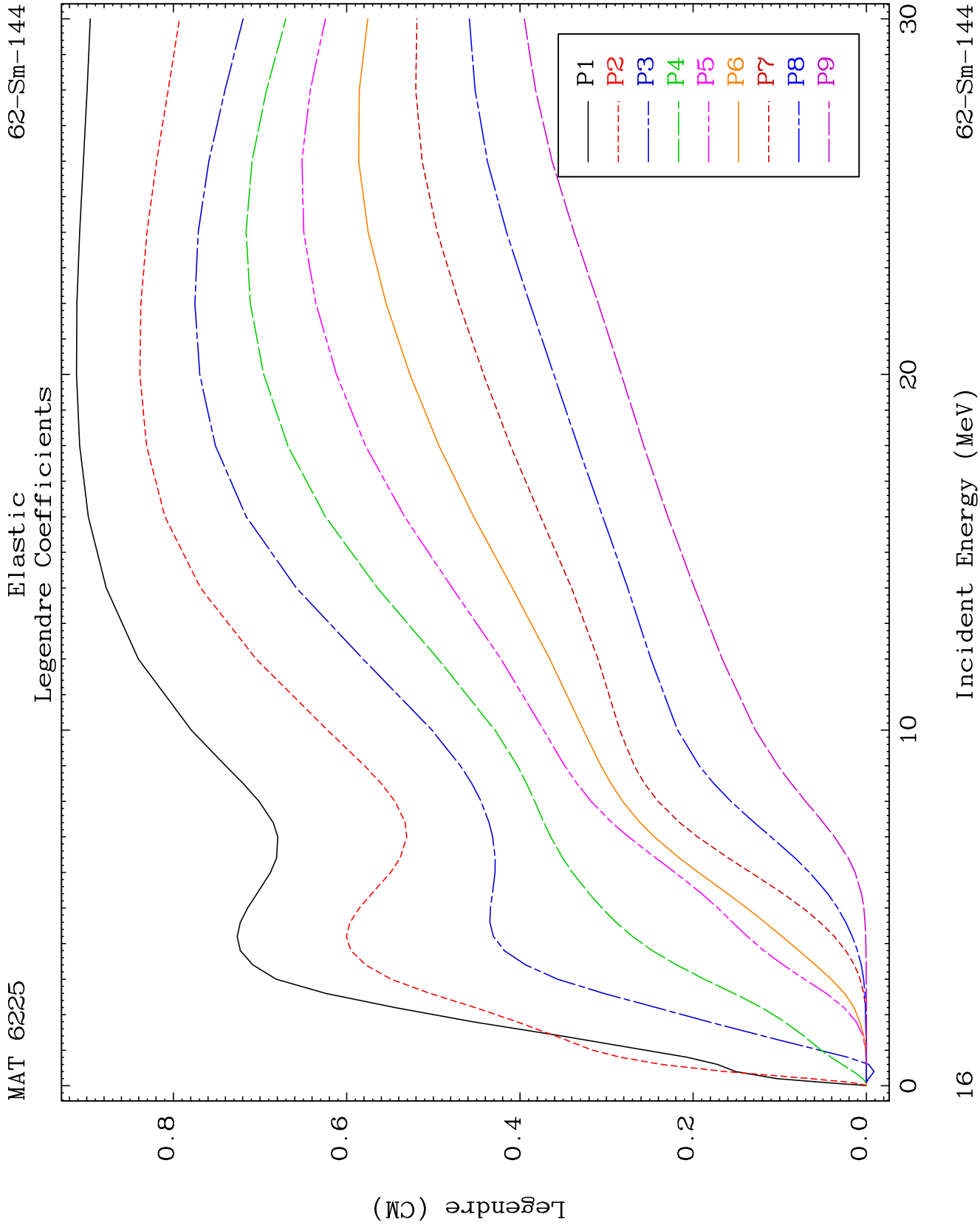
(n,α) Levels  
293 Kelvin Cross Sections

62-Sm-144





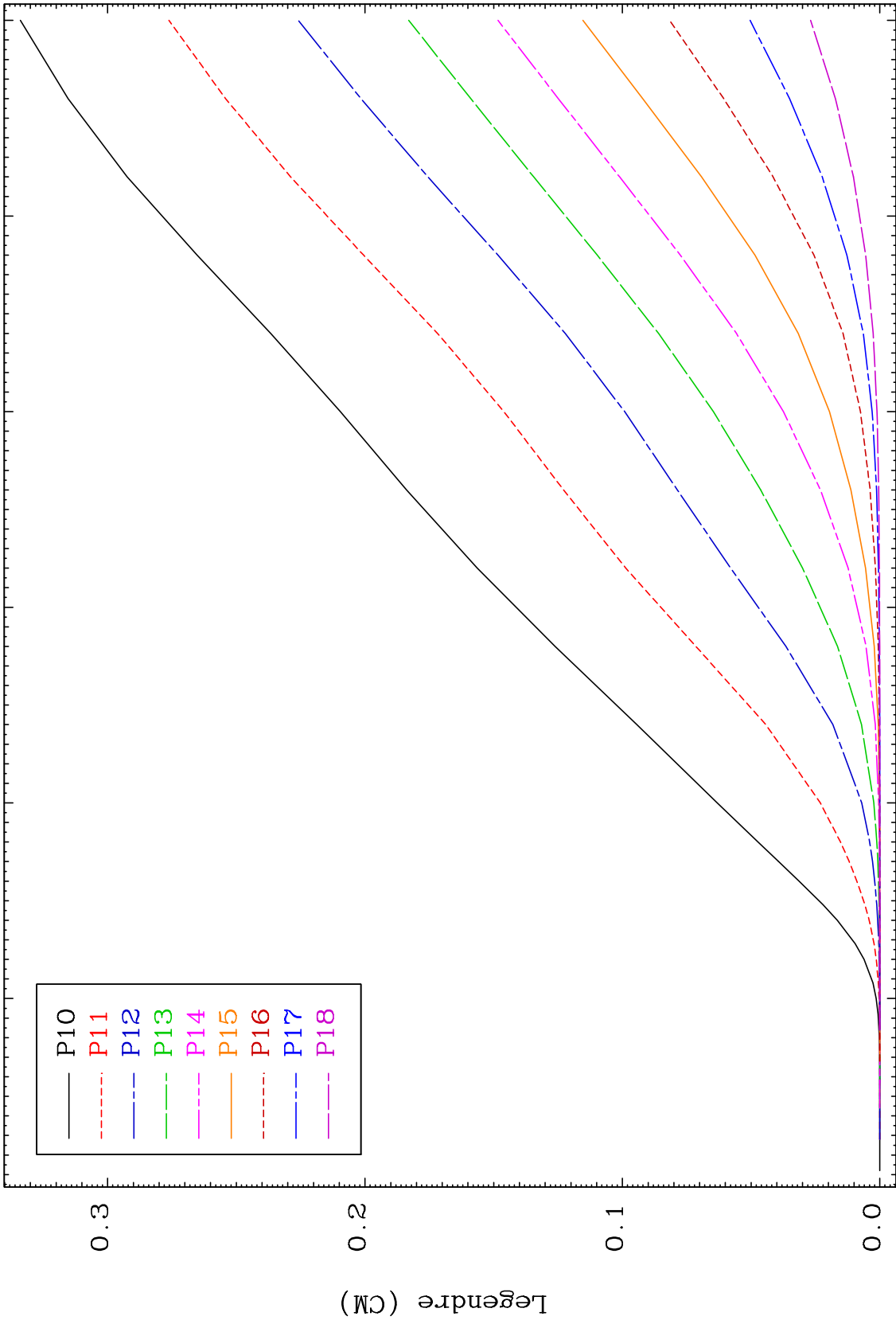




MAT 6225

Elastic Legendre Coefficients

62-Sm-144



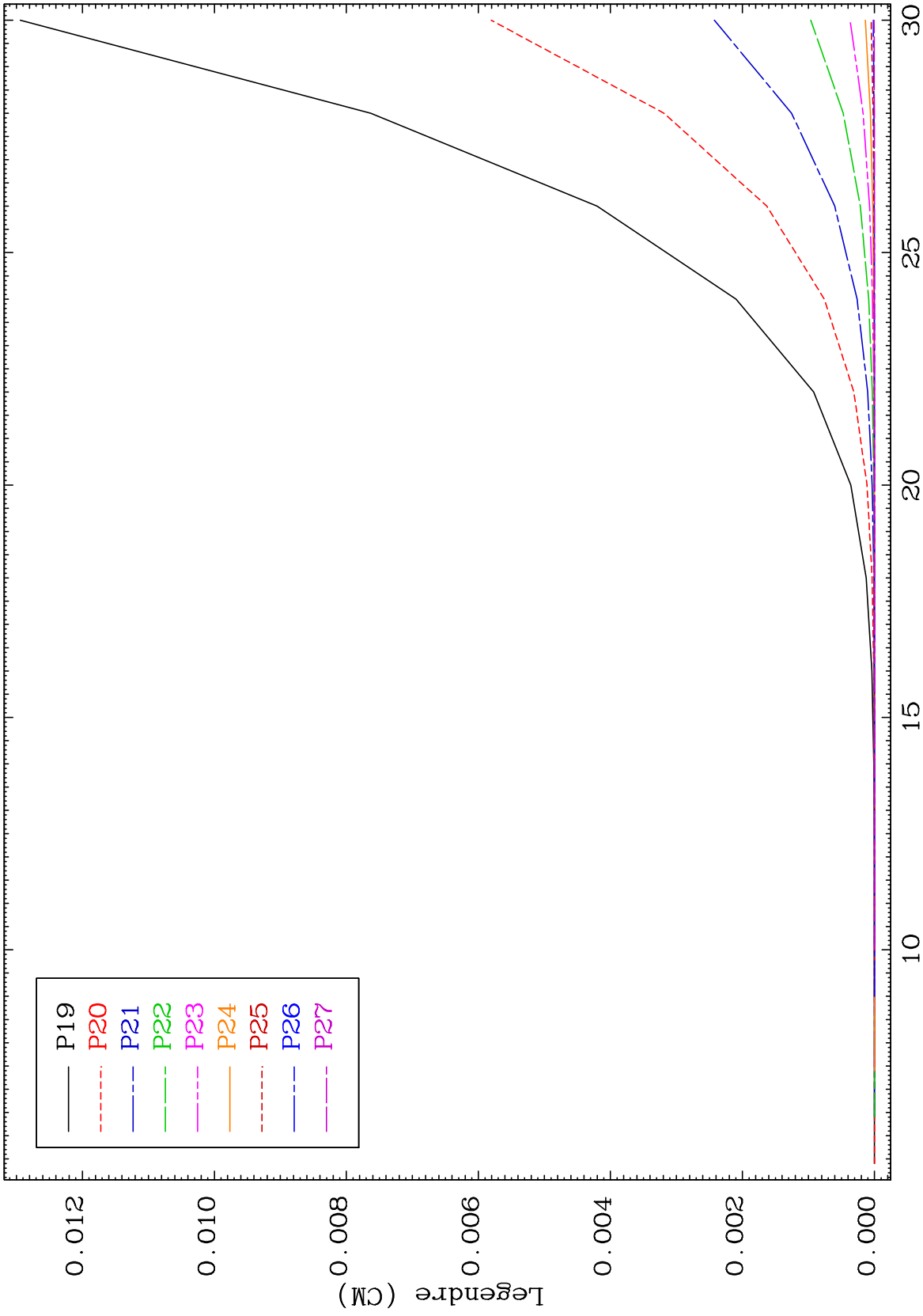
17

62-Sm-144

MAT 6225

Elastic Legendre Coefficients

62-Sm-144



18

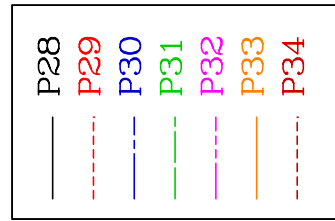
Incident Energy (MeV)

62-Sm-144

MAT 6225

Elastic Legendre Coefficients

62-Sm-144



$\times 10^{-6}$

Legendre (CM)

1.5

1.0

0.5

0.0

10

15

20

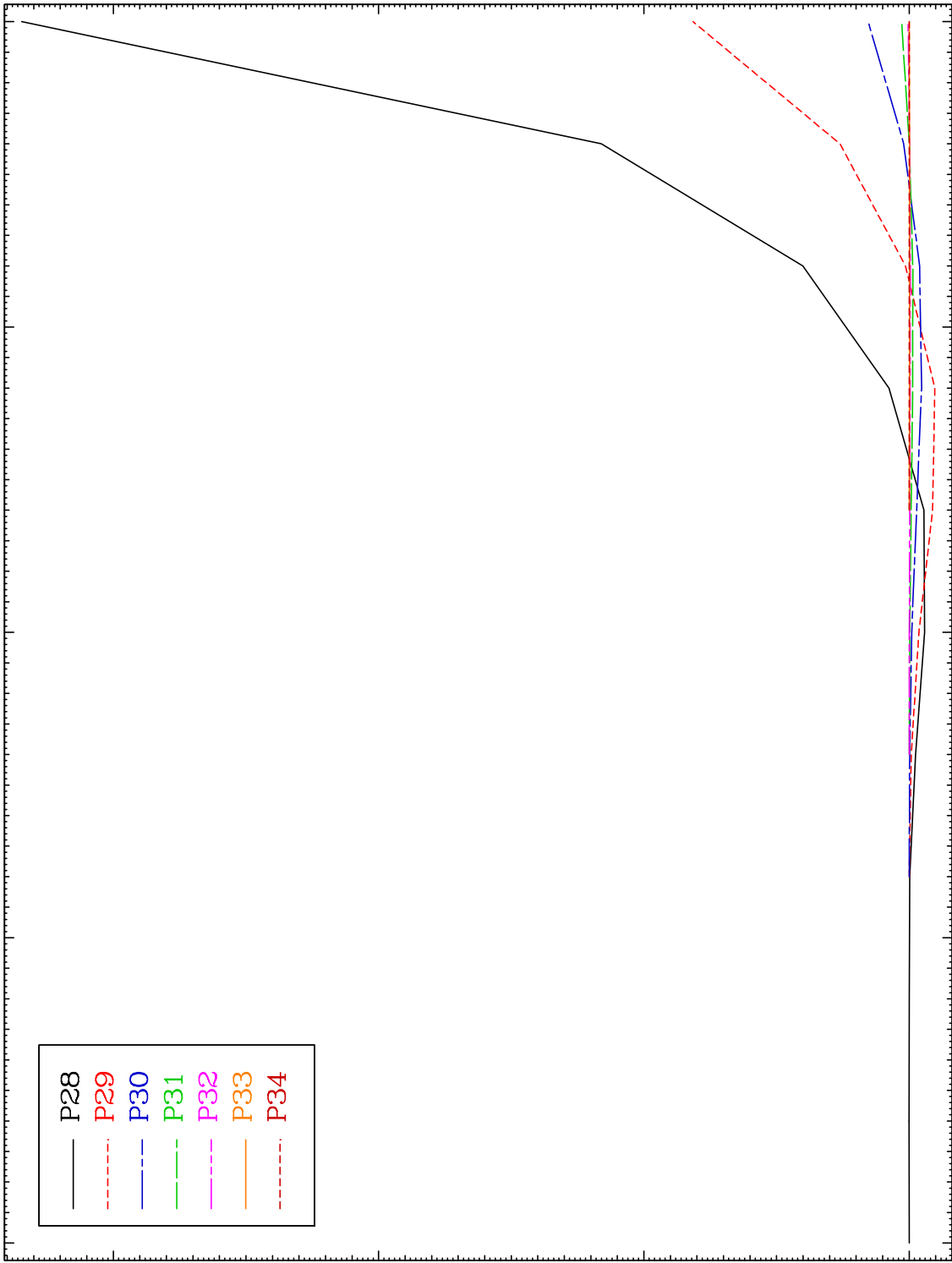
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30

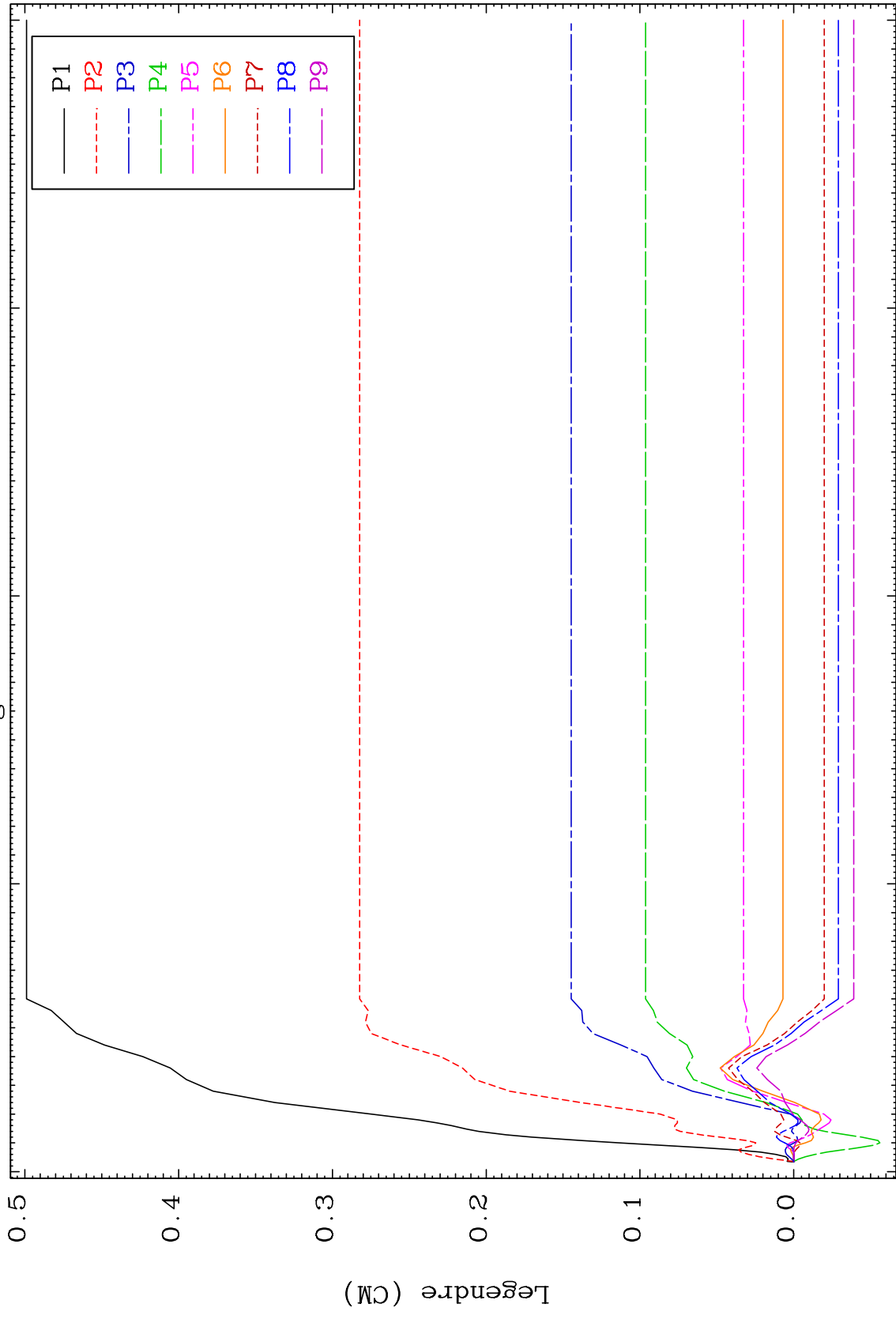
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Incident Energy (MeV)

62-Sm-144



MAT 6225 MT= 51 (n,n') Level Legendre Coefficients 62-Sm-144

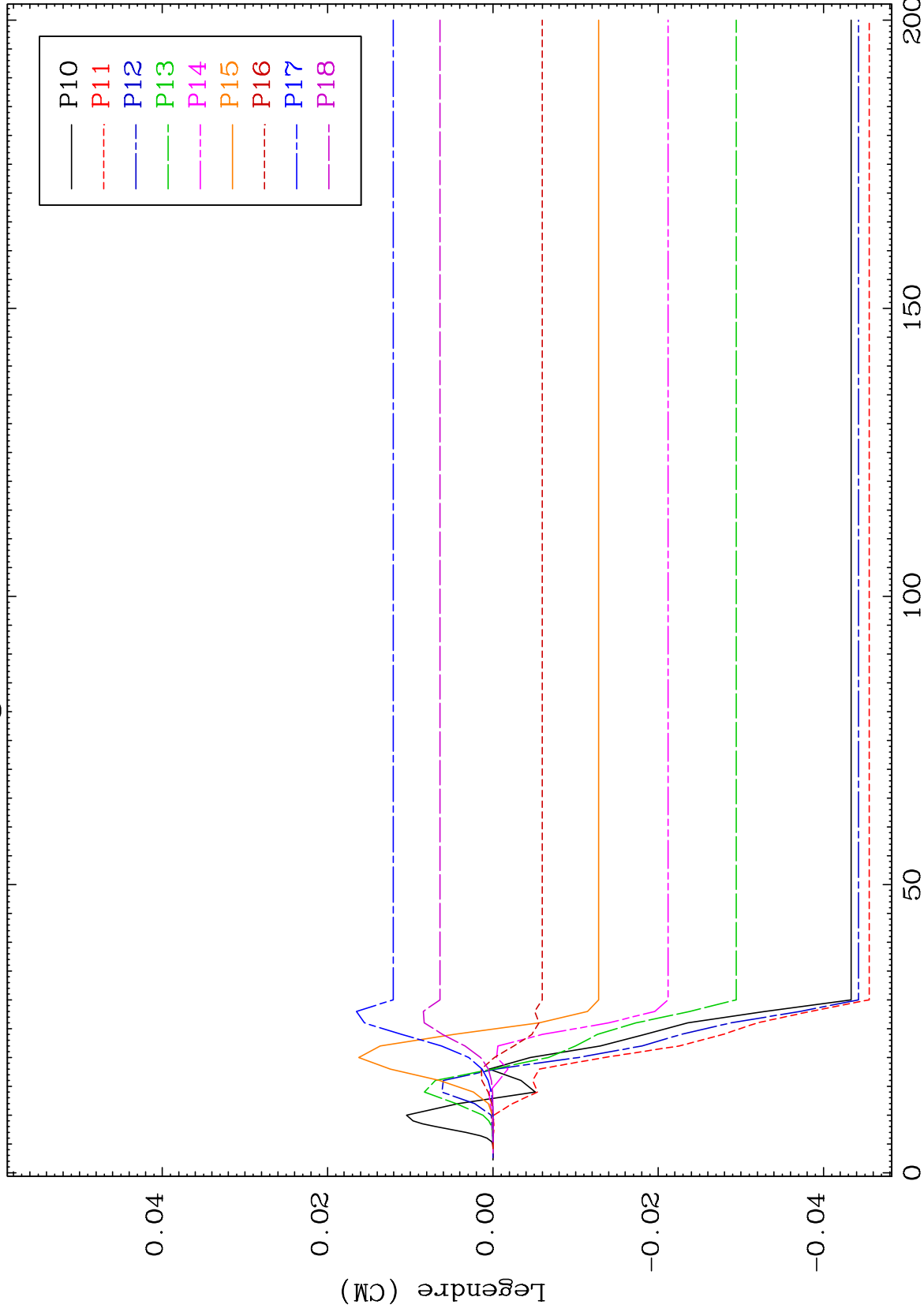


62-Sm-144

MAT 6225

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

62-Sm-144



21

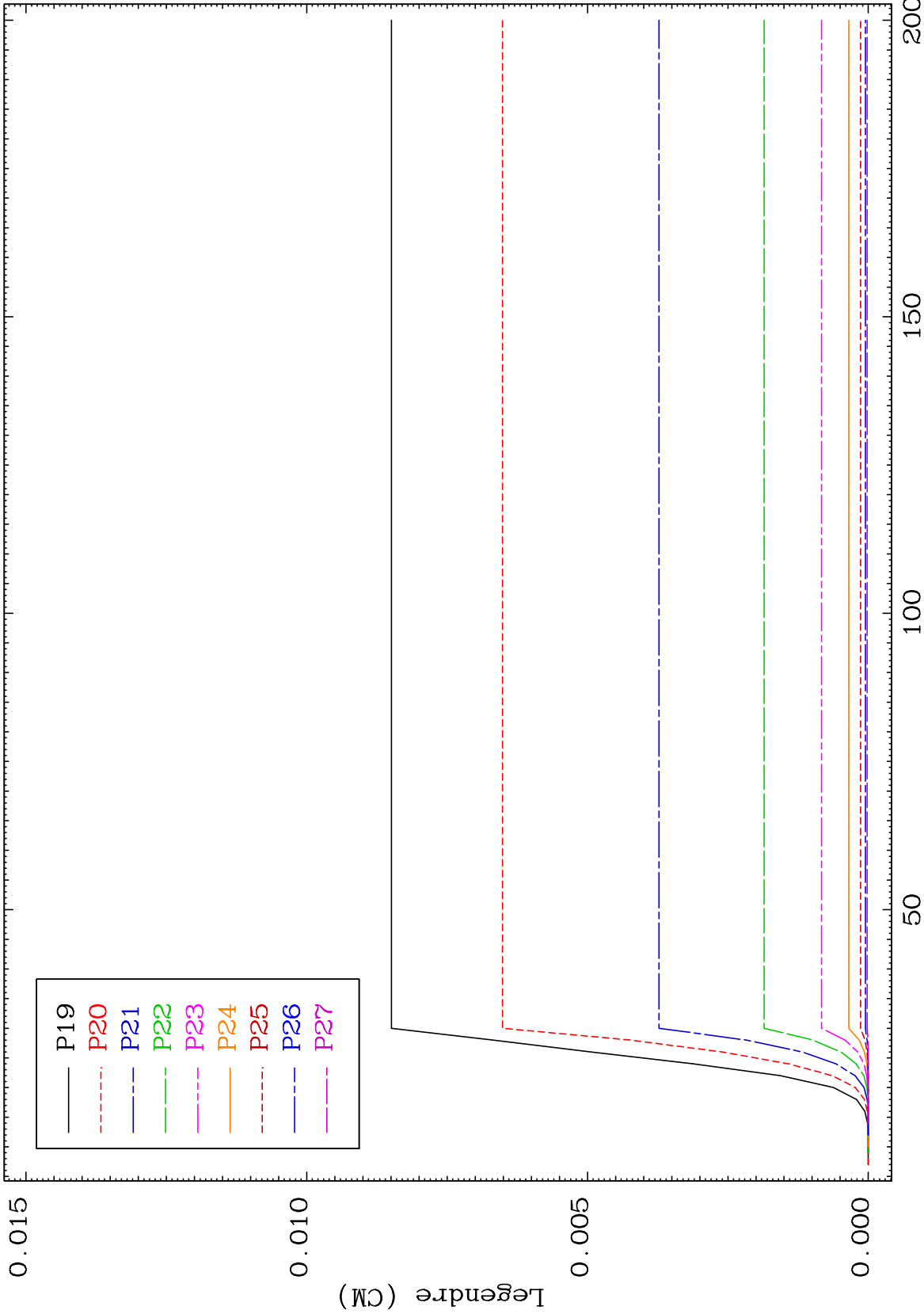
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



22

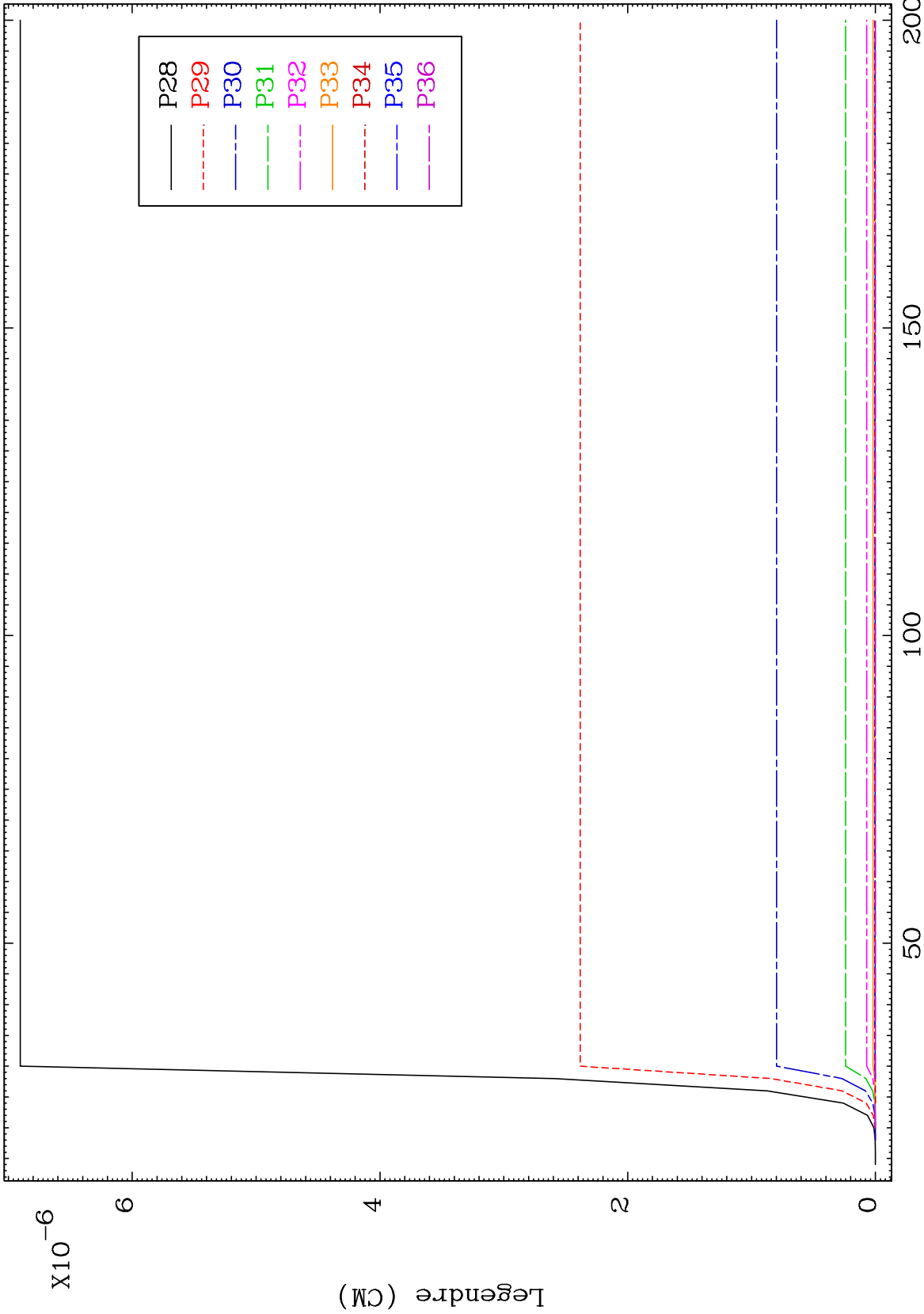
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



23

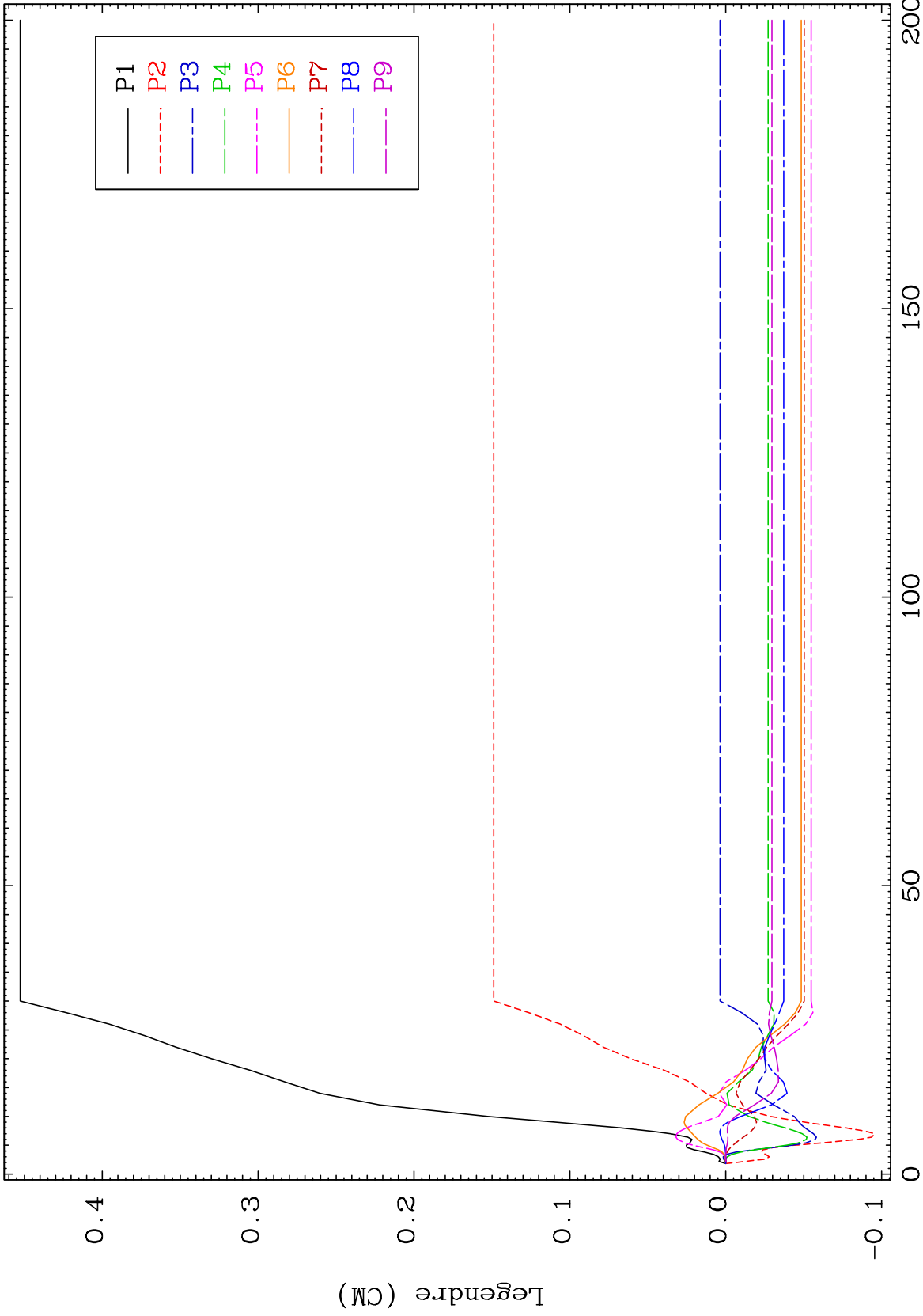
62-Sm-144



MAT 6225

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

62-Sm-144



24

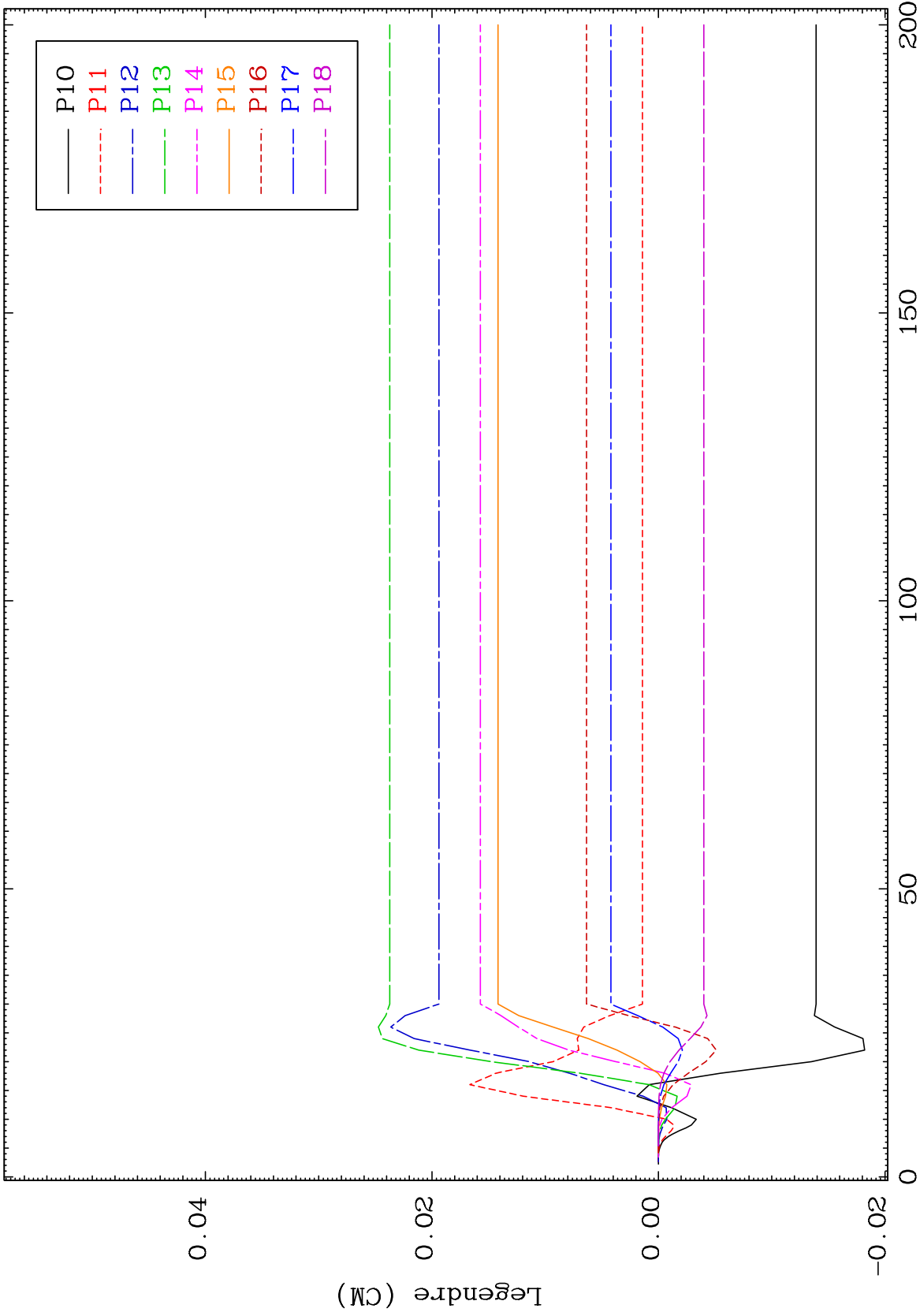
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



25

50

100

150

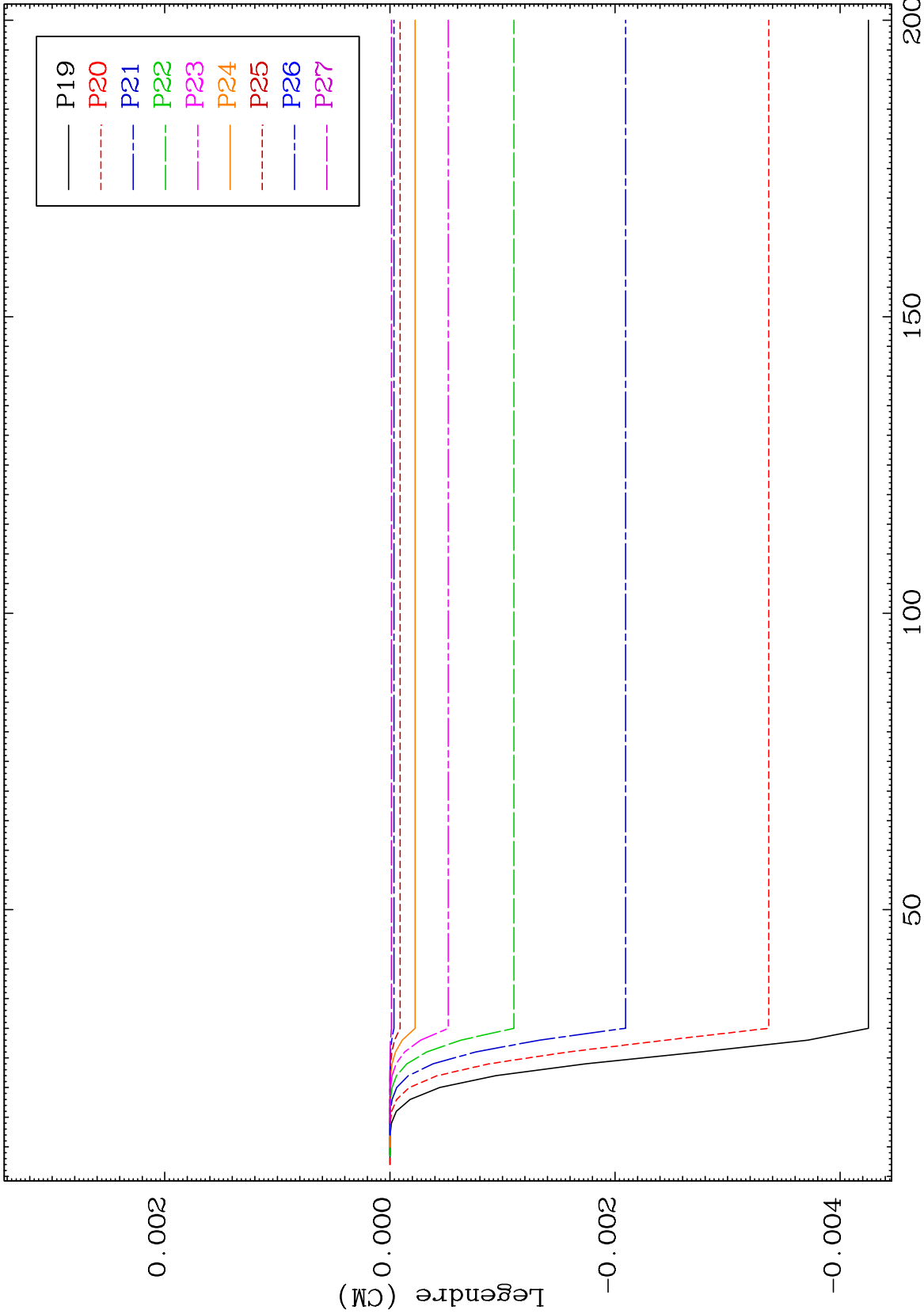
200

62-Sm-144

MAT 6225

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

62-Sm-144



26

Incident Energy (MeV)

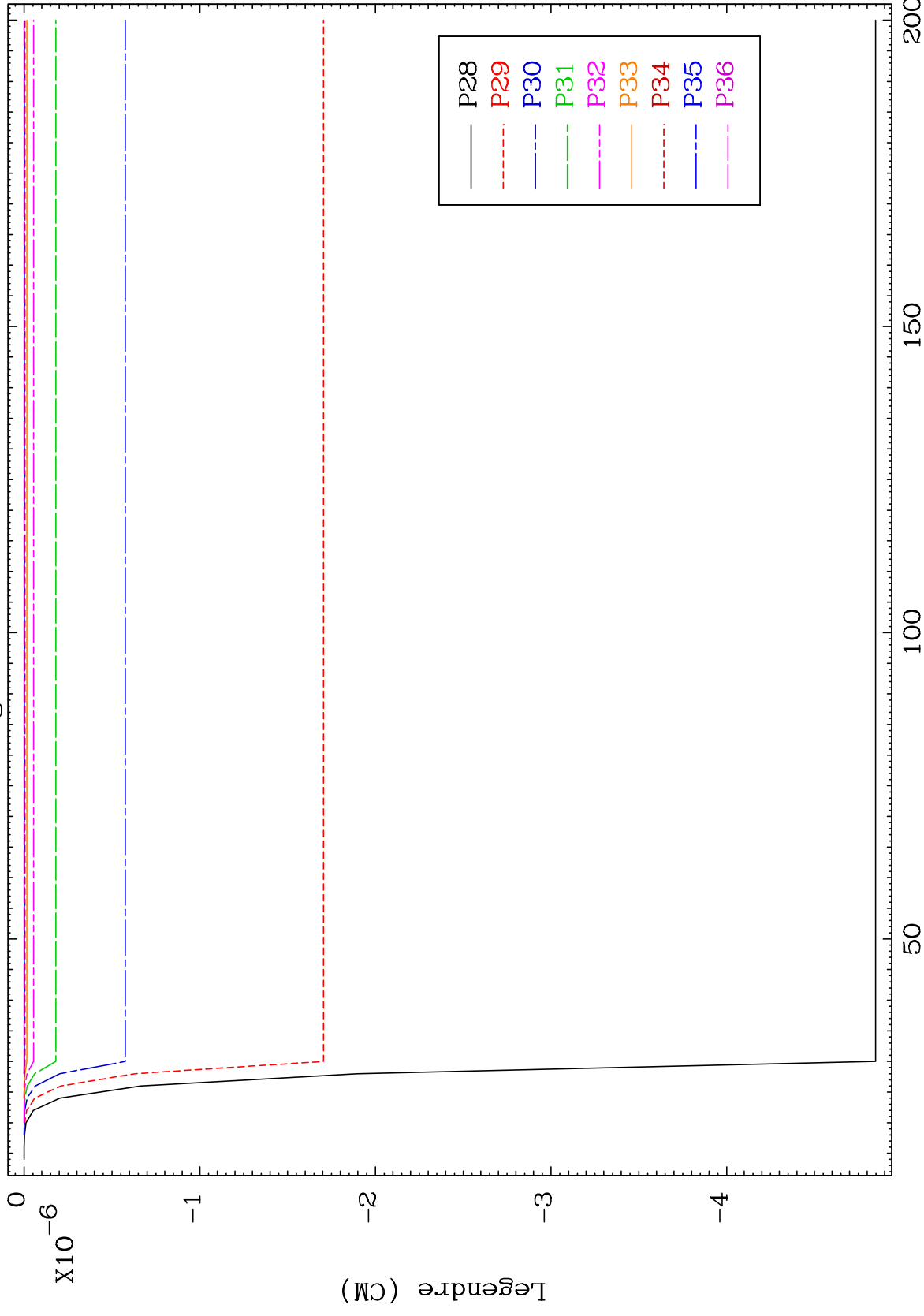
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MAT 6225

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

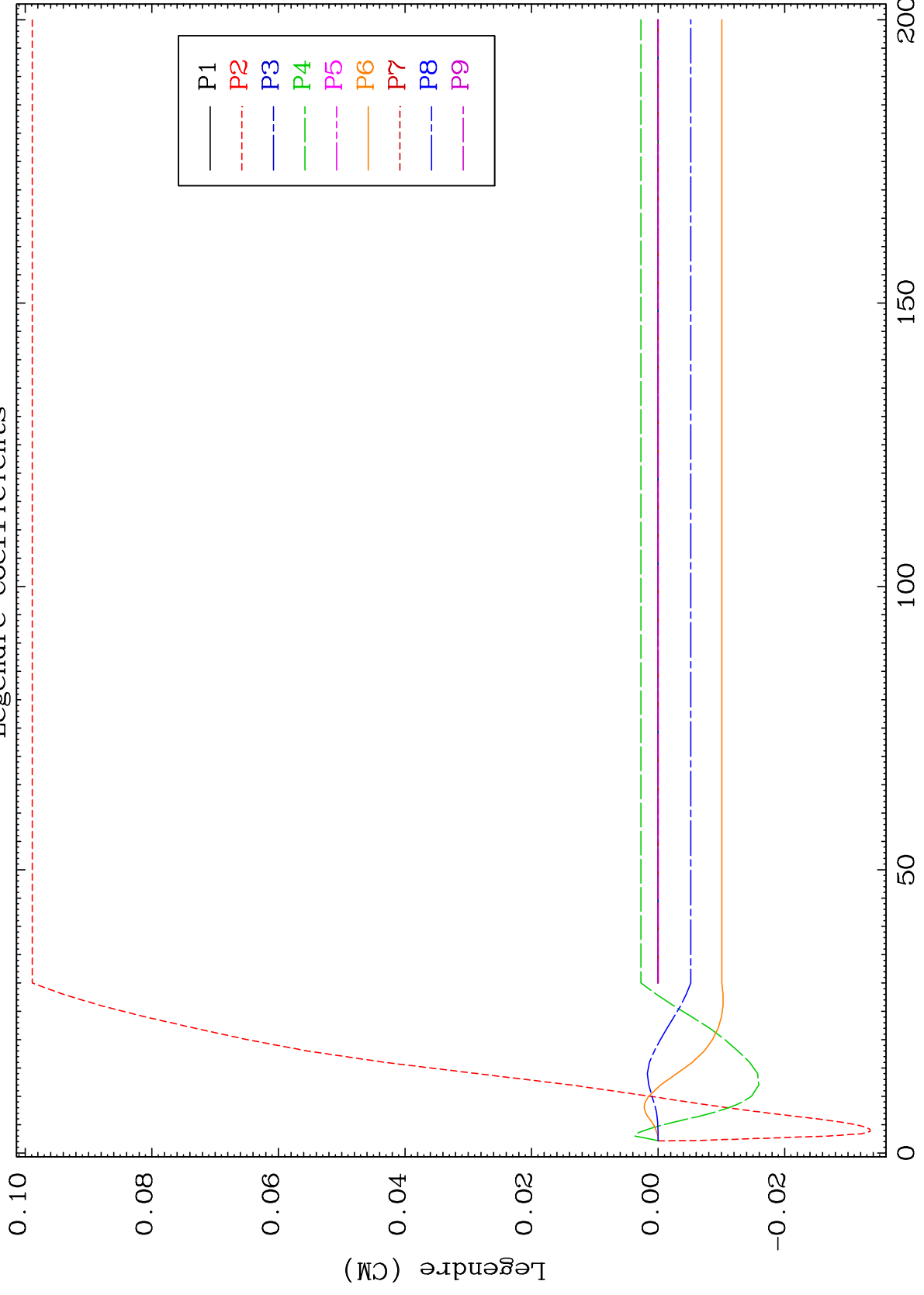
62-Sm-144

62-Sm-144



27

MAT 6225 MT= 53 (n,n') Level Legendre Coefficients 62-Sm-144

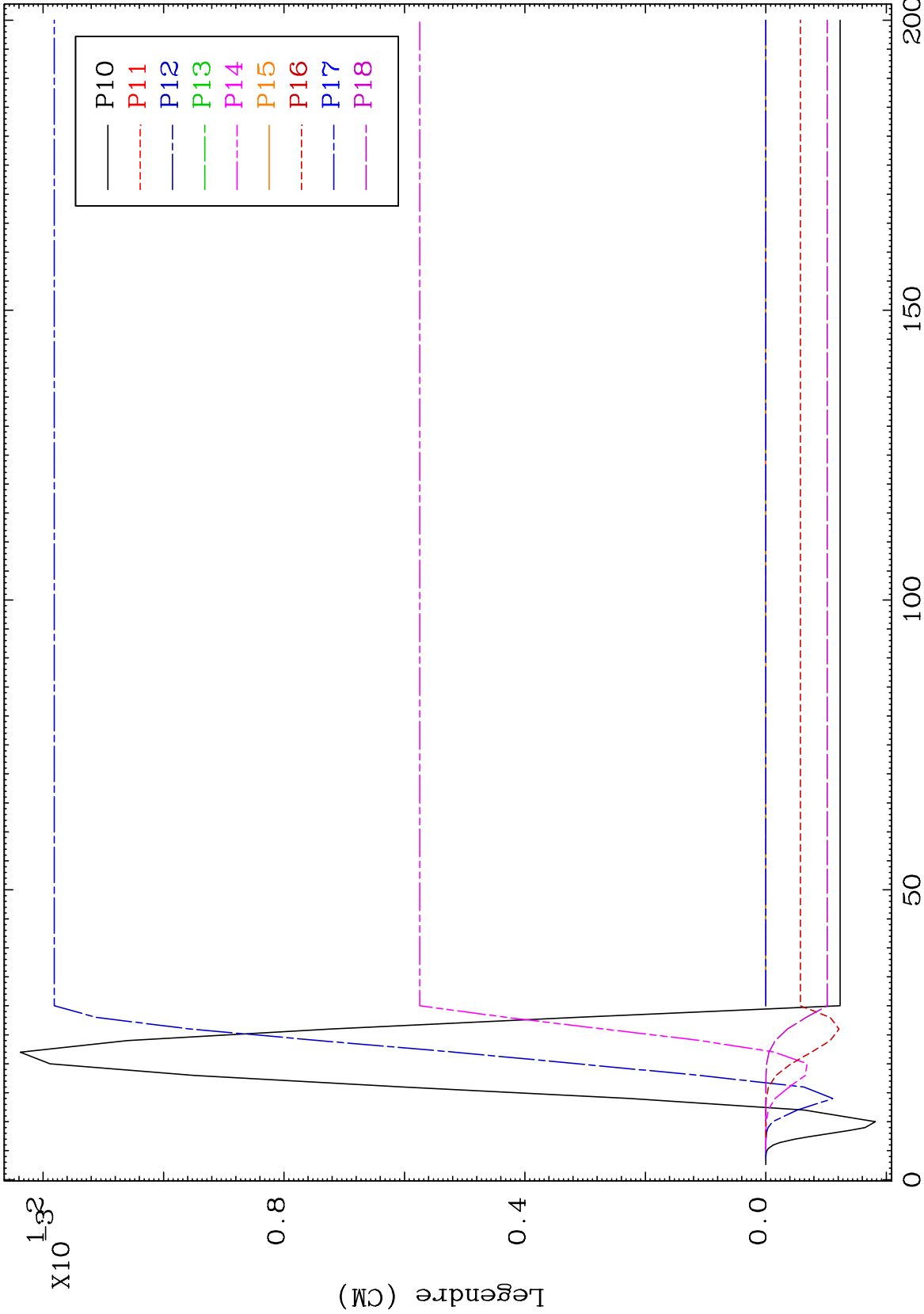


28 Incident Energy (MeV) 62-Sm-144

MAT 6225

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

62-Sm-144



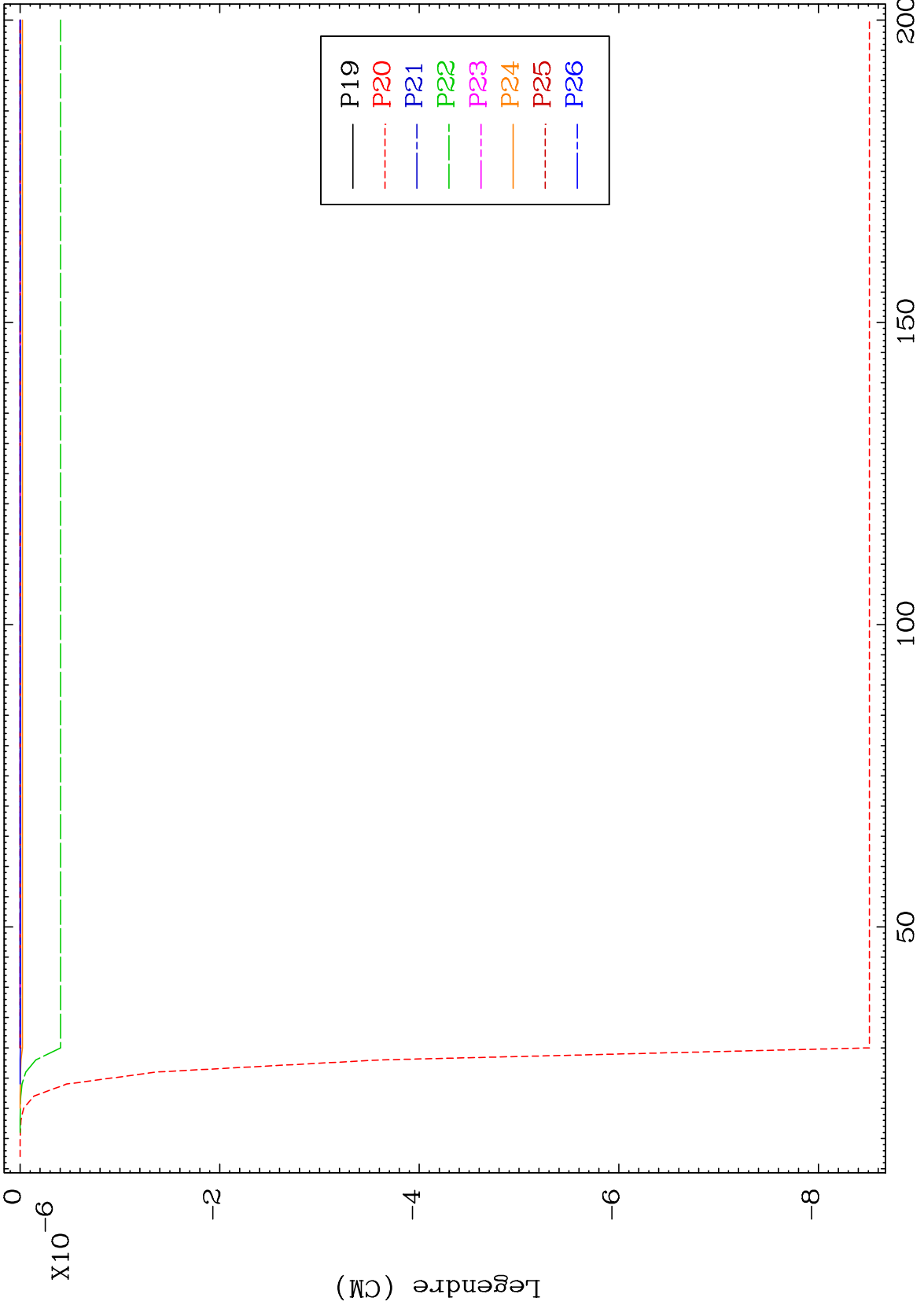
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62-Sm-144

MAT 6225 MT= 53 (n,n') Level

62-Sm-144

Legendre Coefficients



62-Sm-144

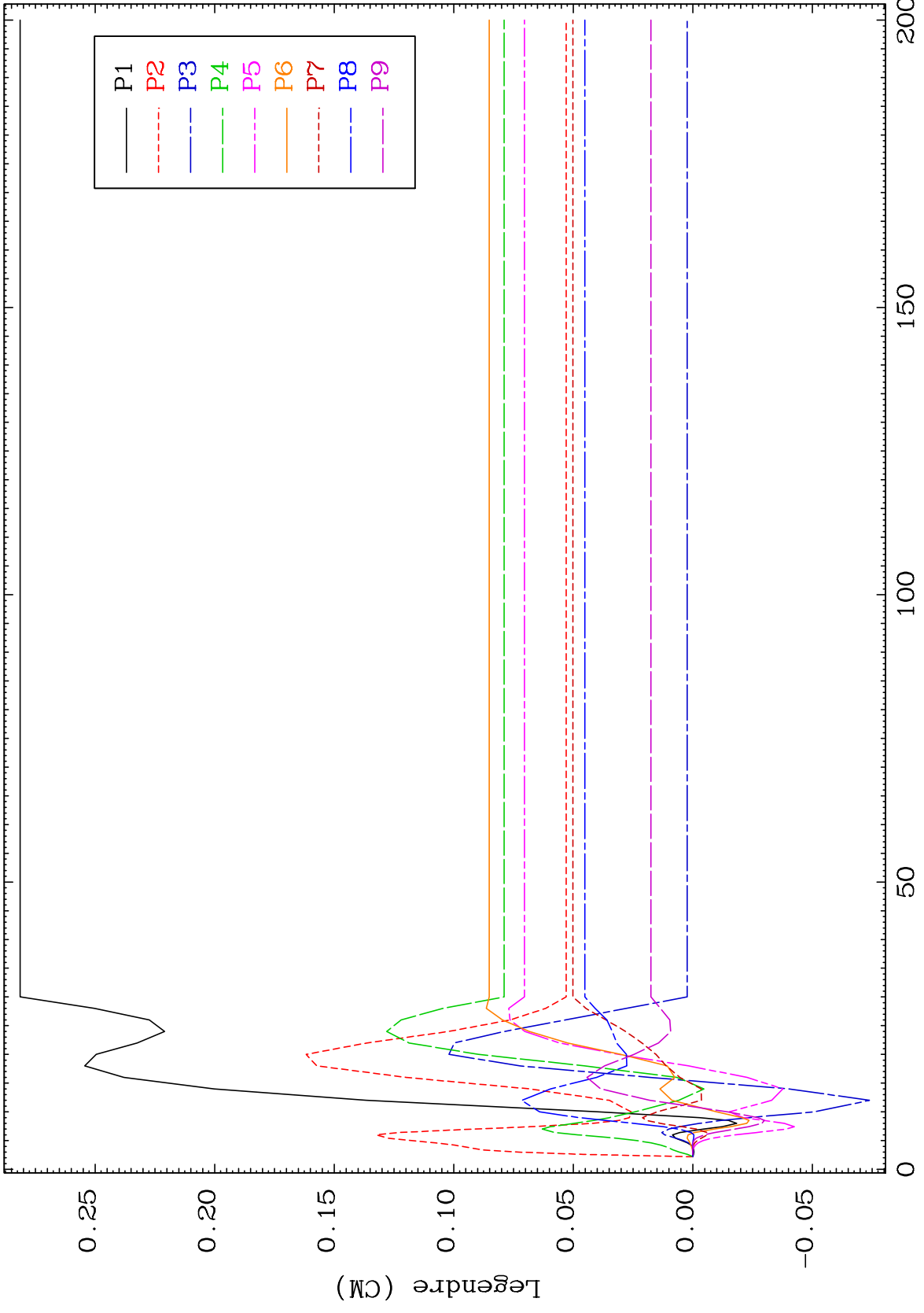
Incident Energy (MeV)

30

MAT 6225

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

62-Sm-144



31

Incident Energy (MeV)

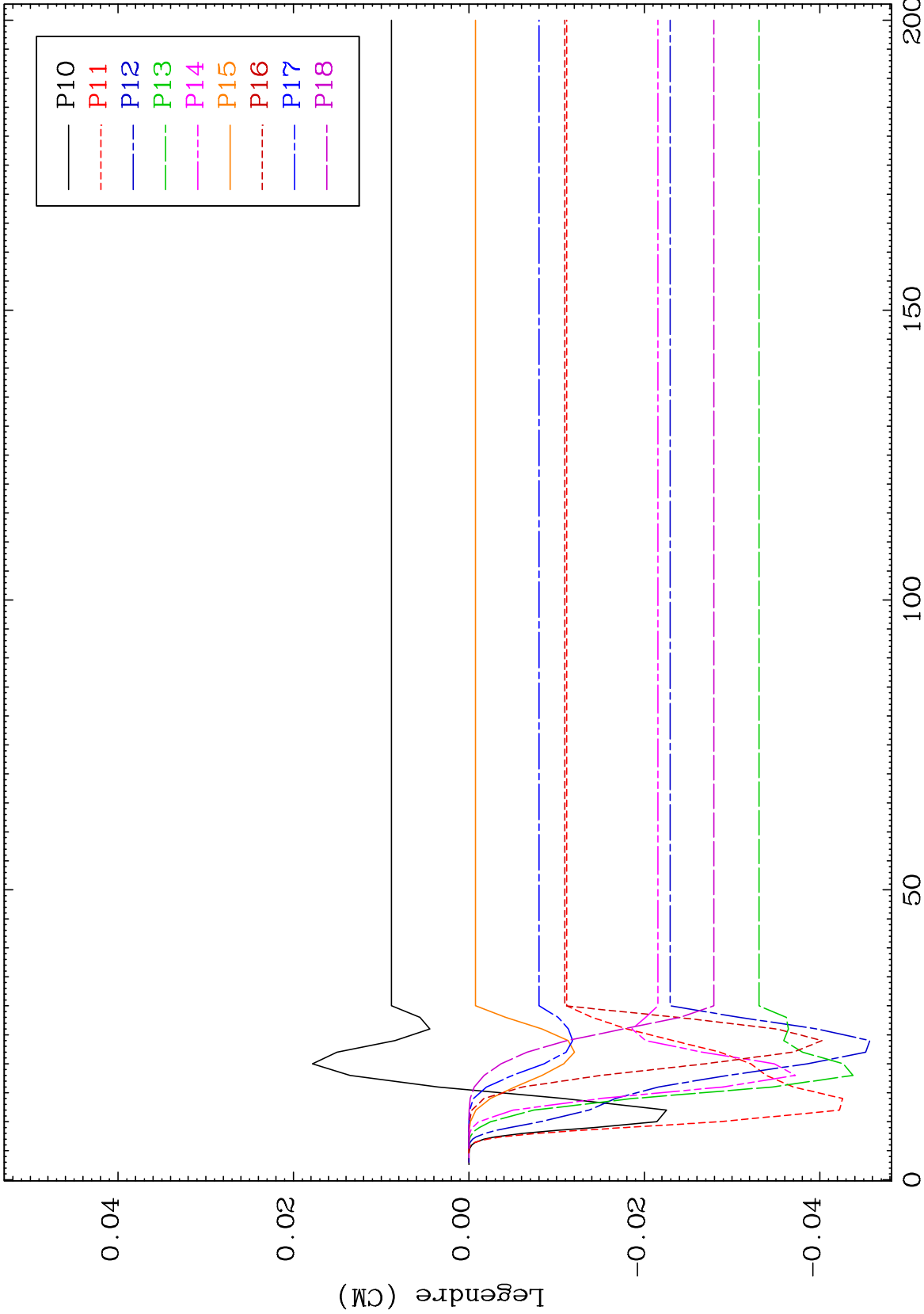
62-Sm-144



MAT 6225

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

62-Sm-144



32

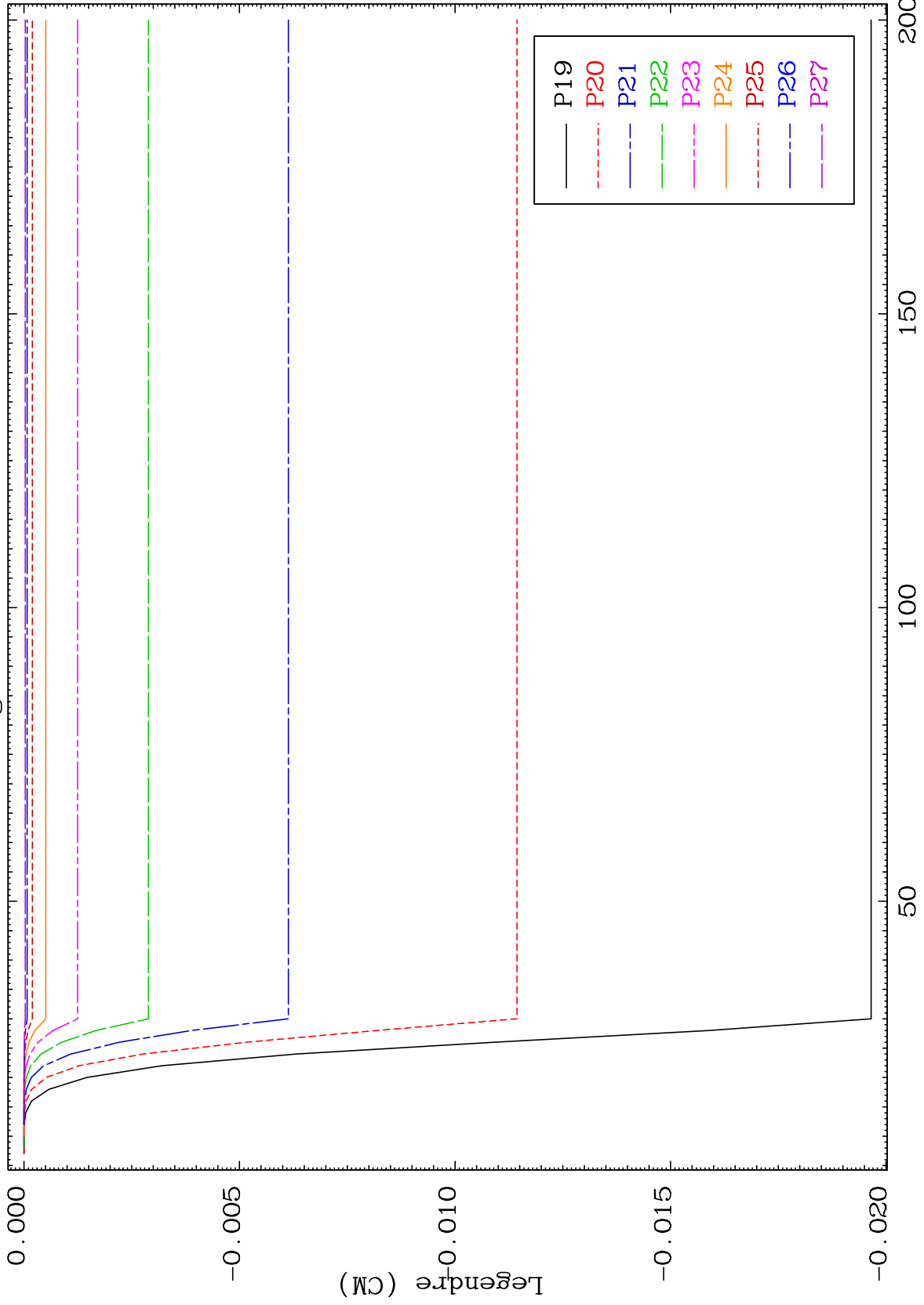
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



62-Sm-144

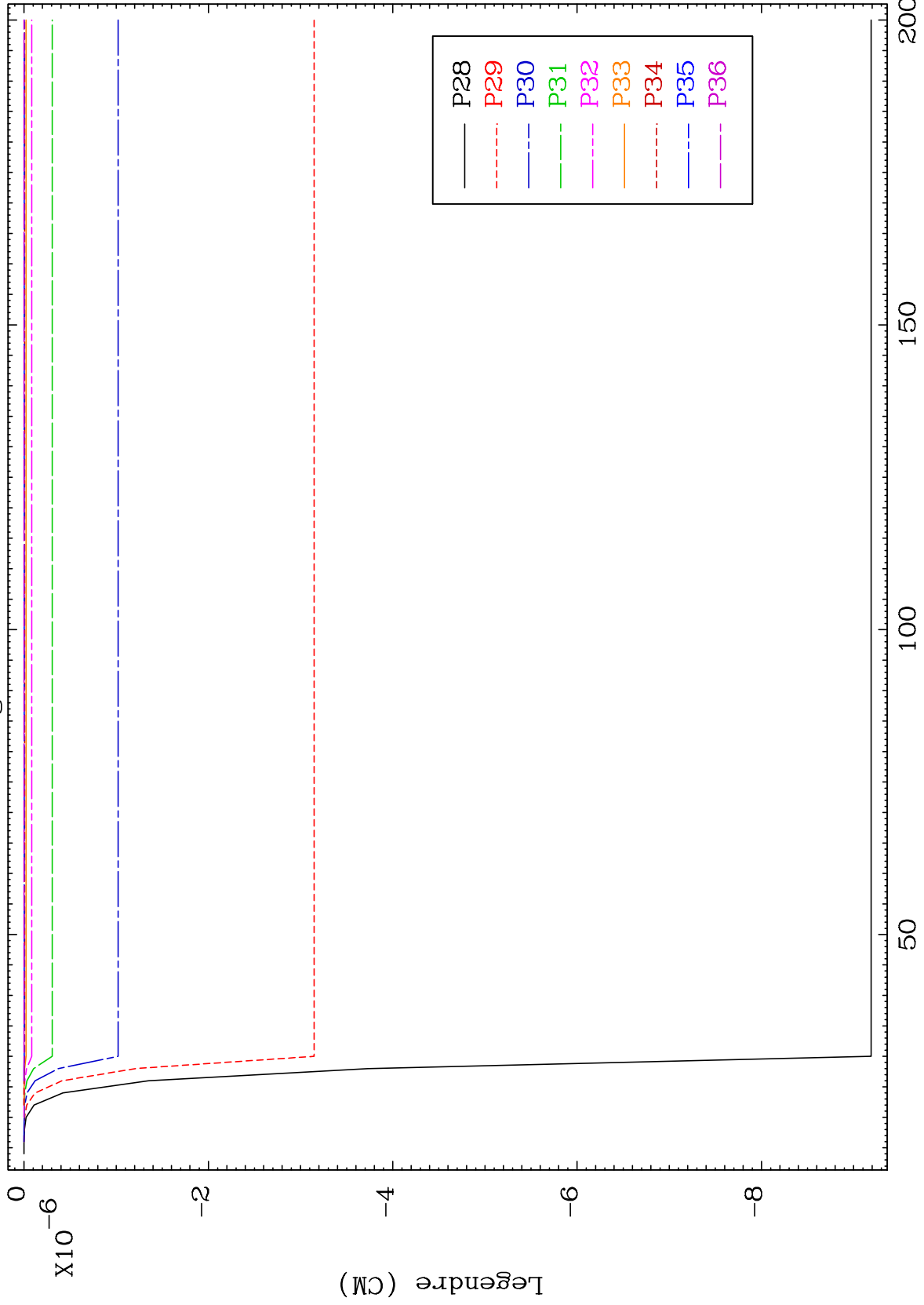
Incident Energy (MeV)

33

MAT 6225

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

62-Sm-144



62-Sm-144

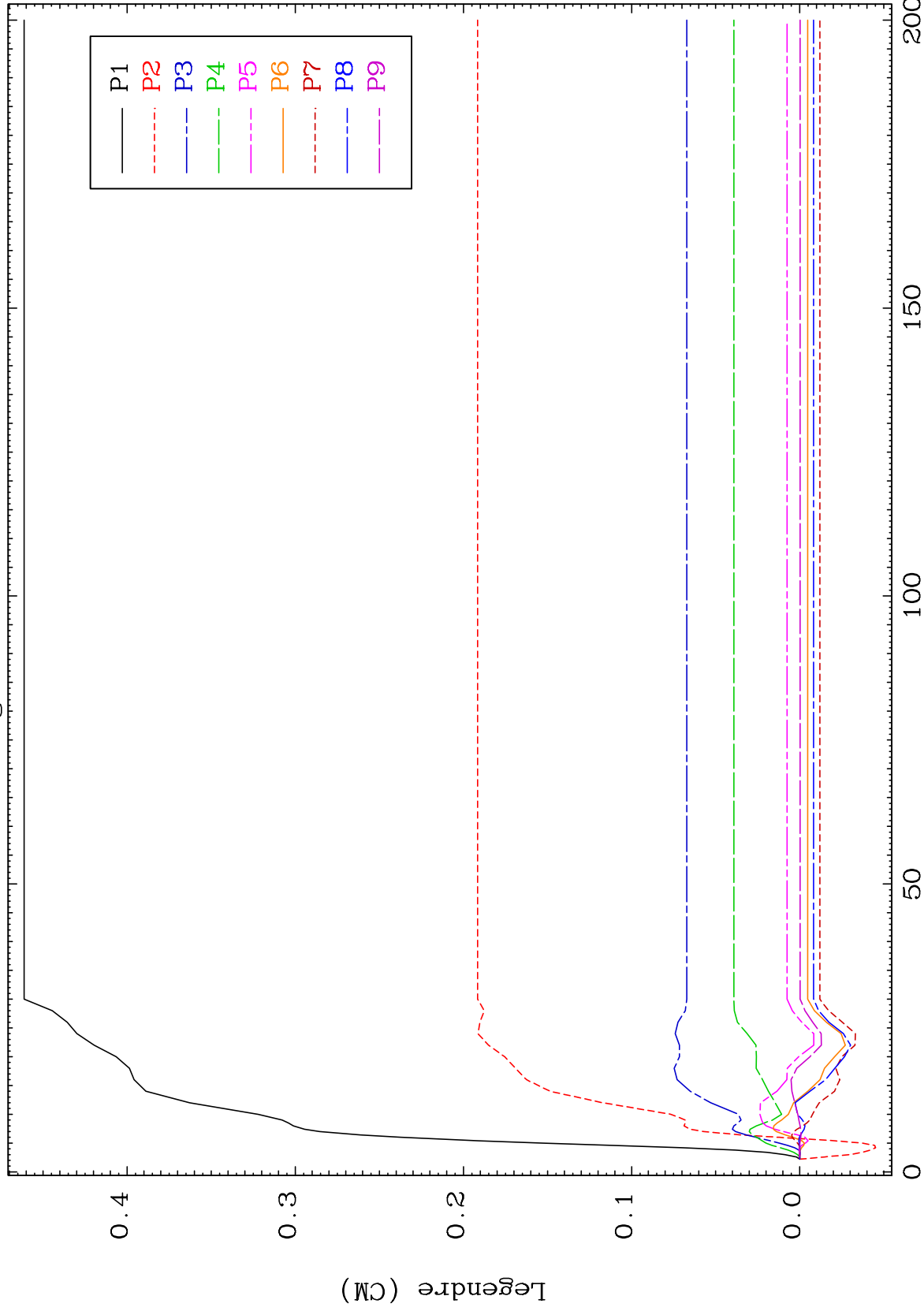
Incident Energy (MeV)

34

MAT 6225

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

62-Sm-144



62-Sm-144

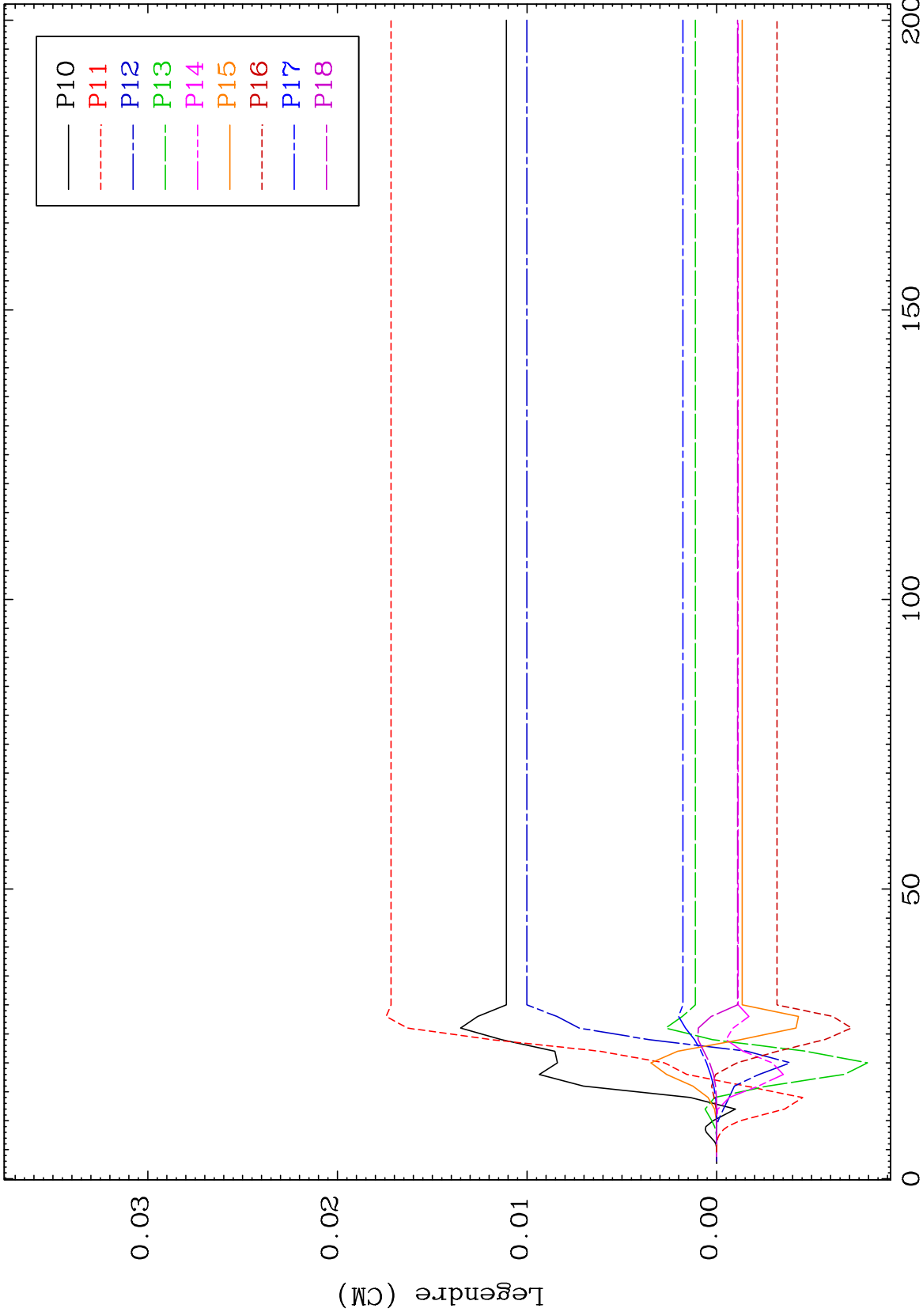
Incident Energy (MeV)

35

MAT 6225

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

62-Sm-144



36

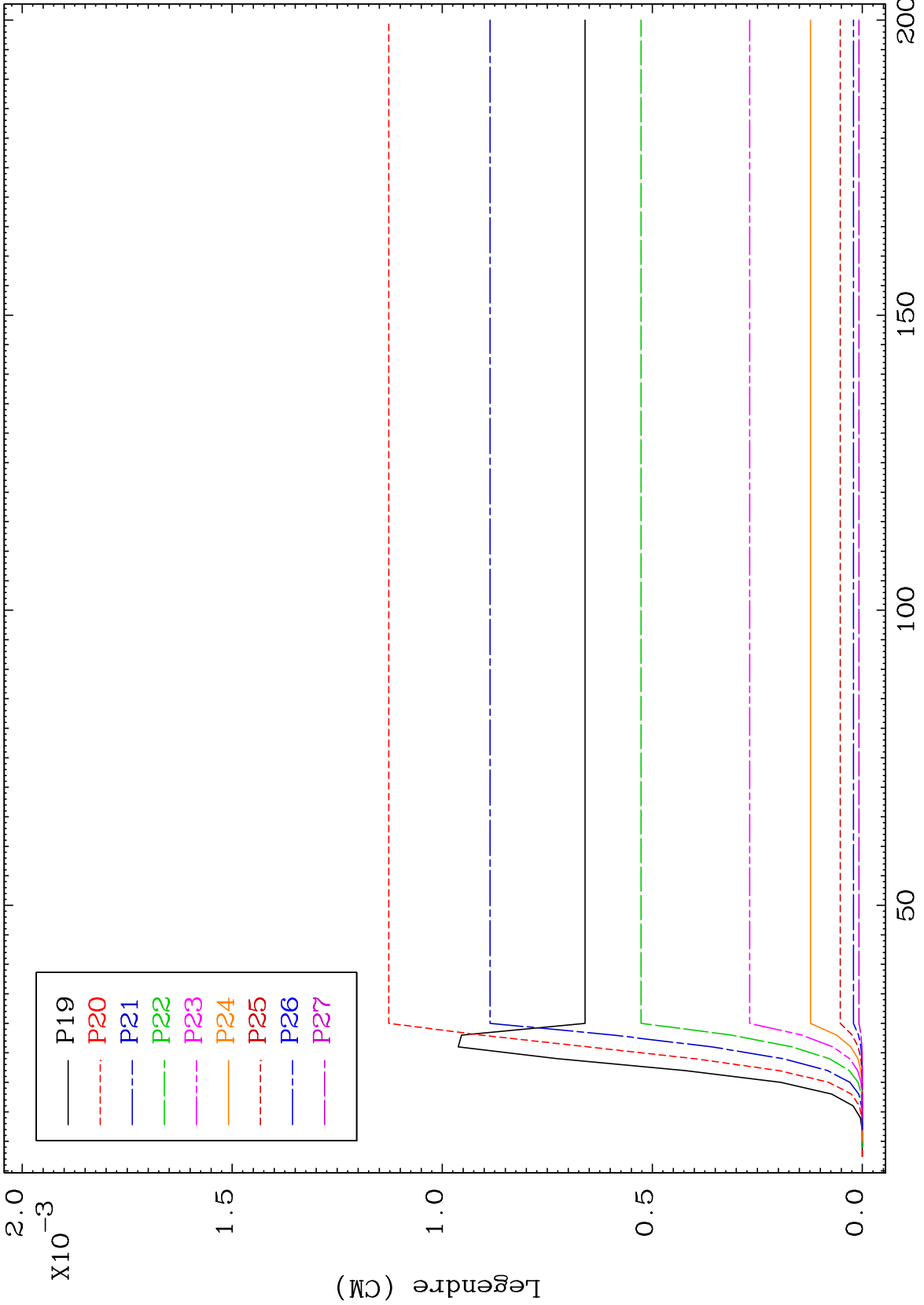
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



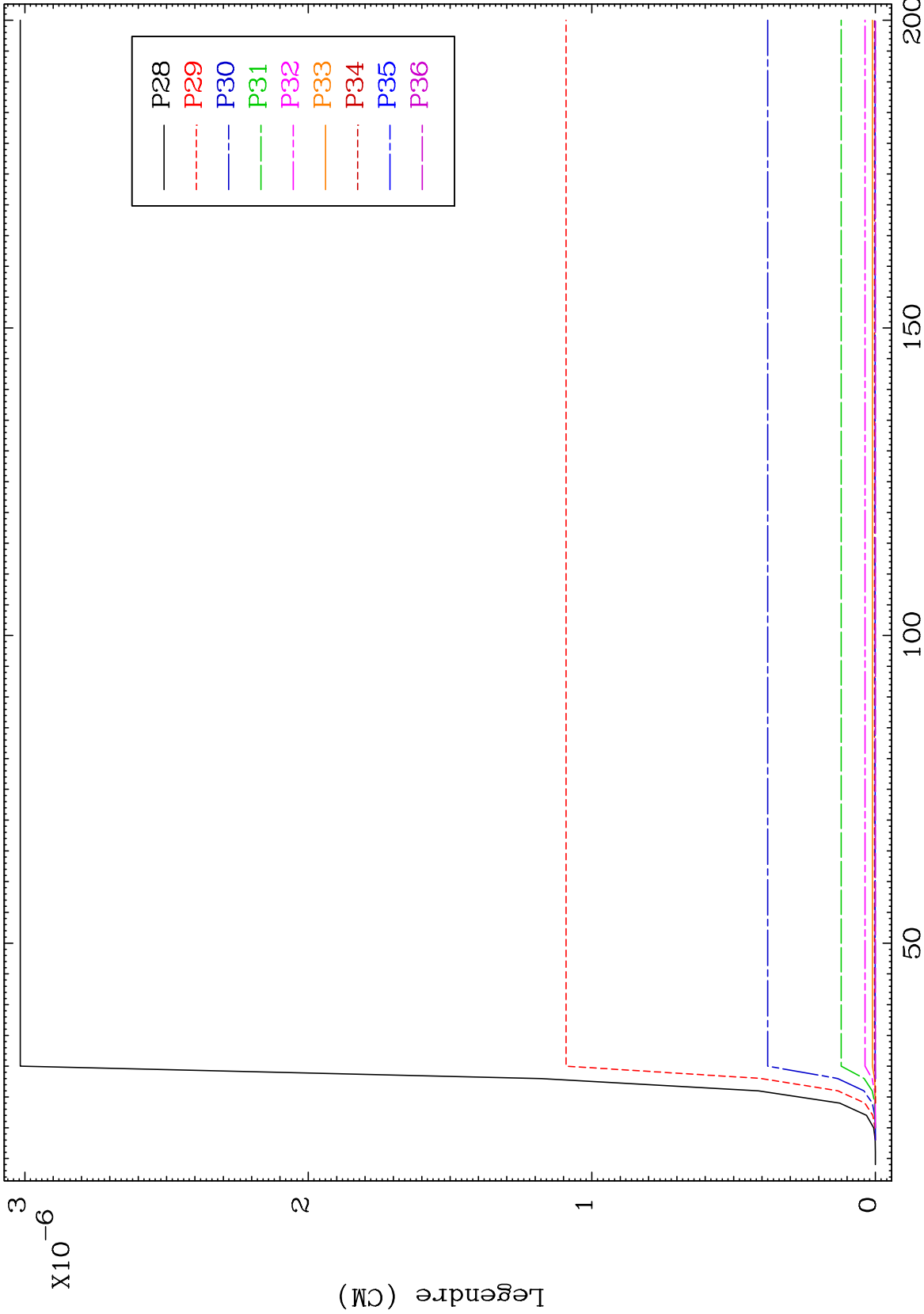
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62-Sm-144

MAT 6225

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

62-Sm-144



38

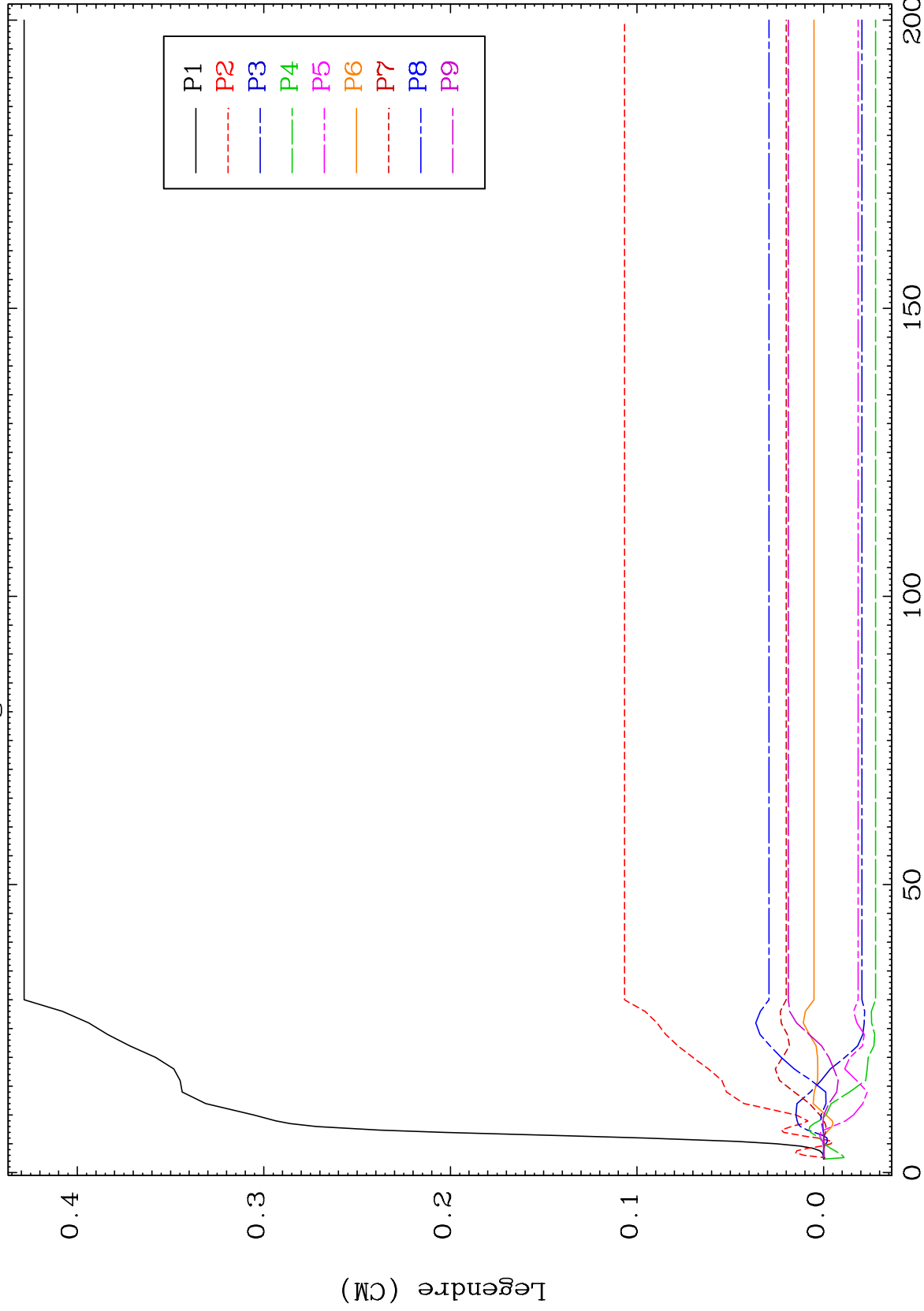
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



39

Incident Energy (MeV)

62-Sm-144

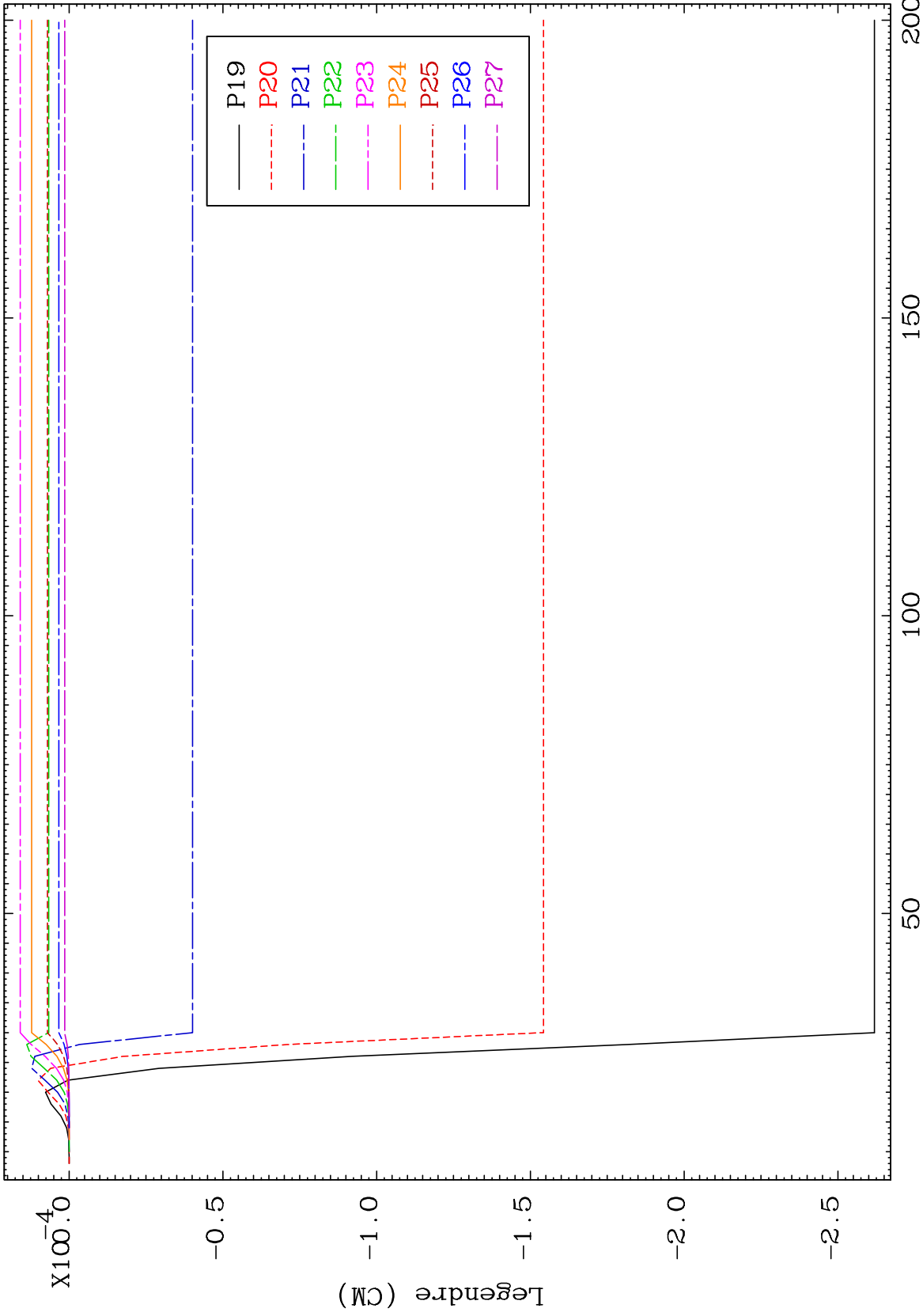




MAT 6225

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

62-Sm-144



62-Sm-144

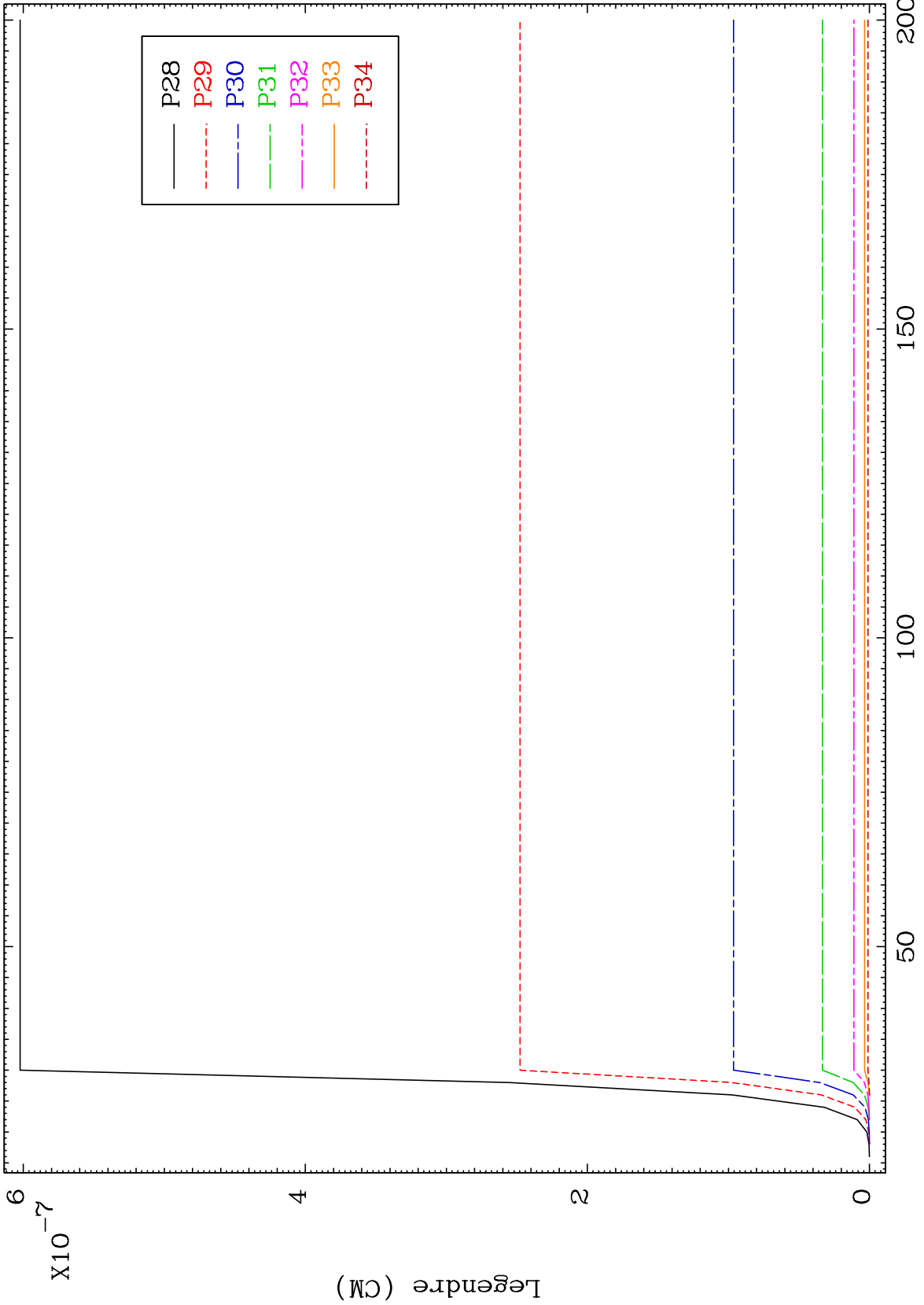
Incident Energy (MeV)

41

MAT 6225

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

62-Sm-144



42

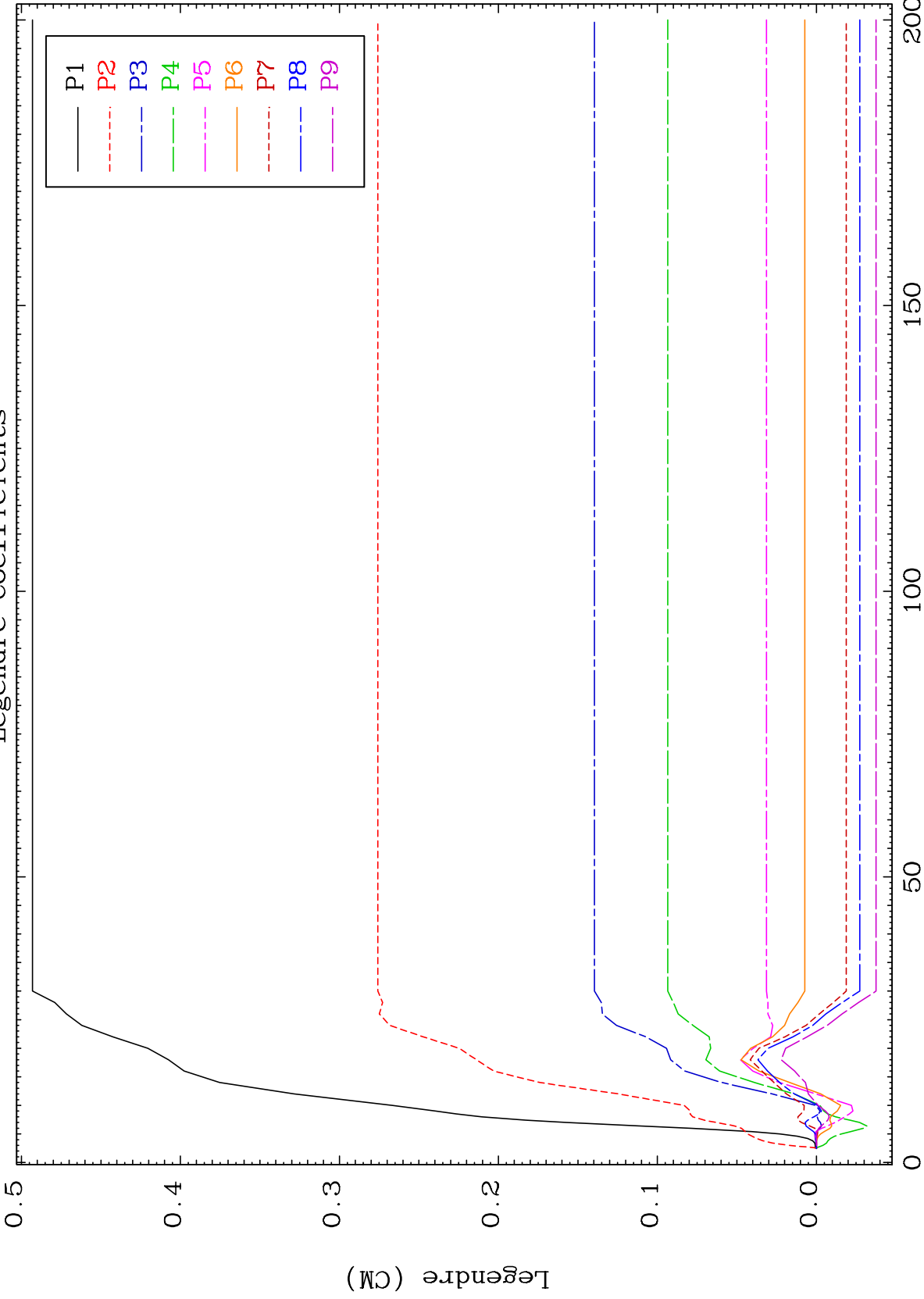
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144

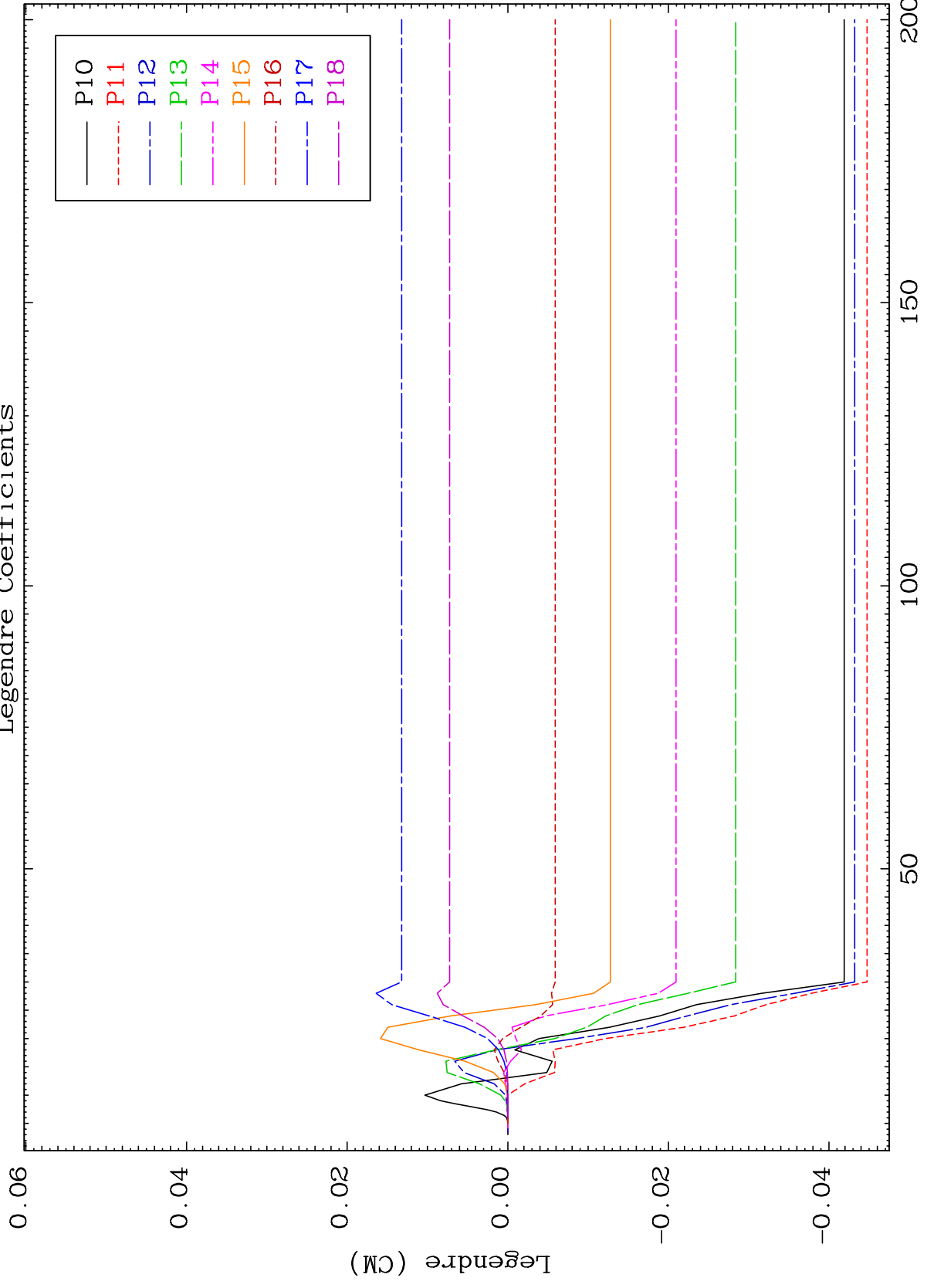


62-Sm-144

Incident Energy (MeV)

43

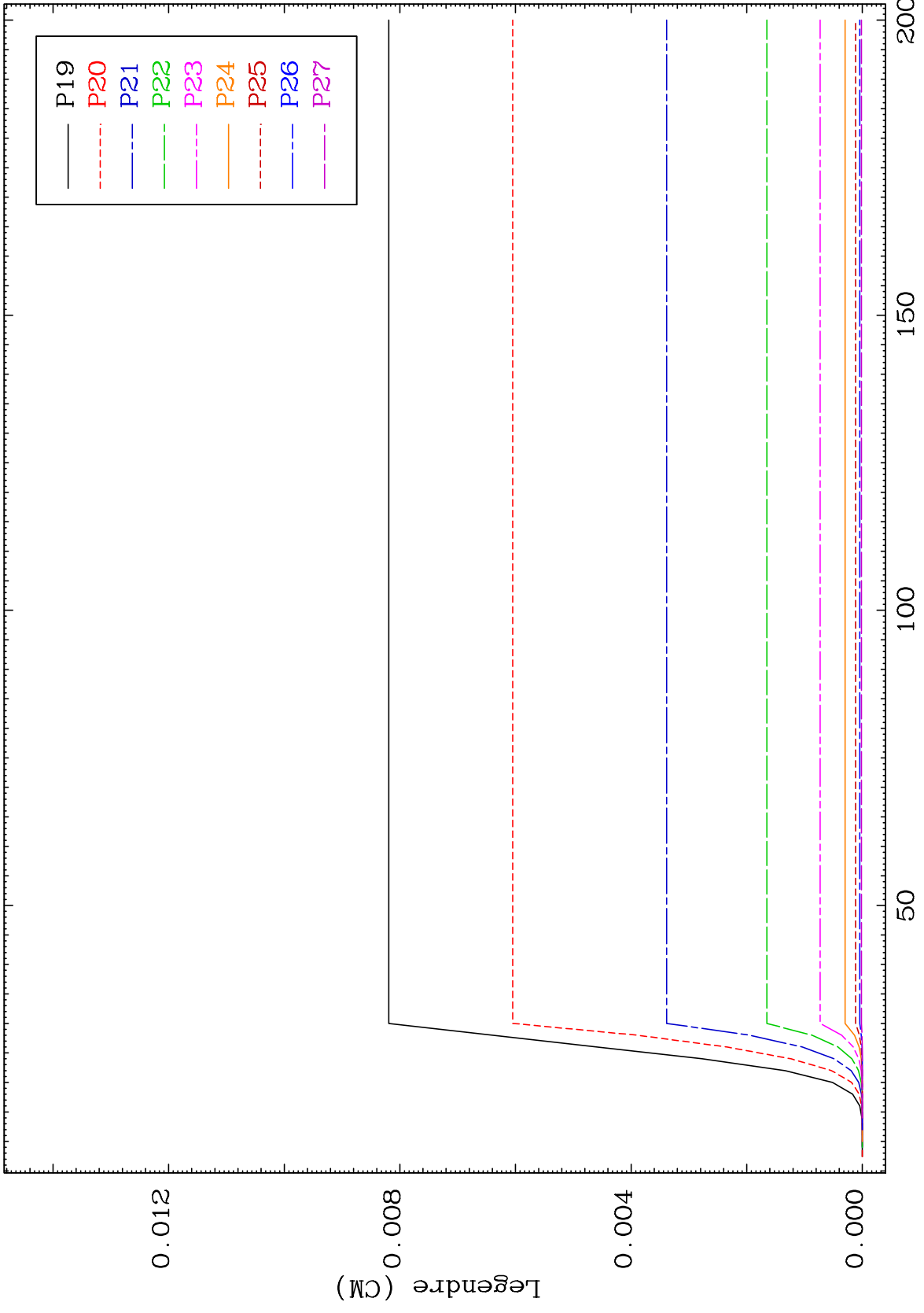
MAT 6225 MT= 57 (n,n') Level Legendre Coefficients 62-Sm-144



MAT 6225

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

62-Sm-144



45

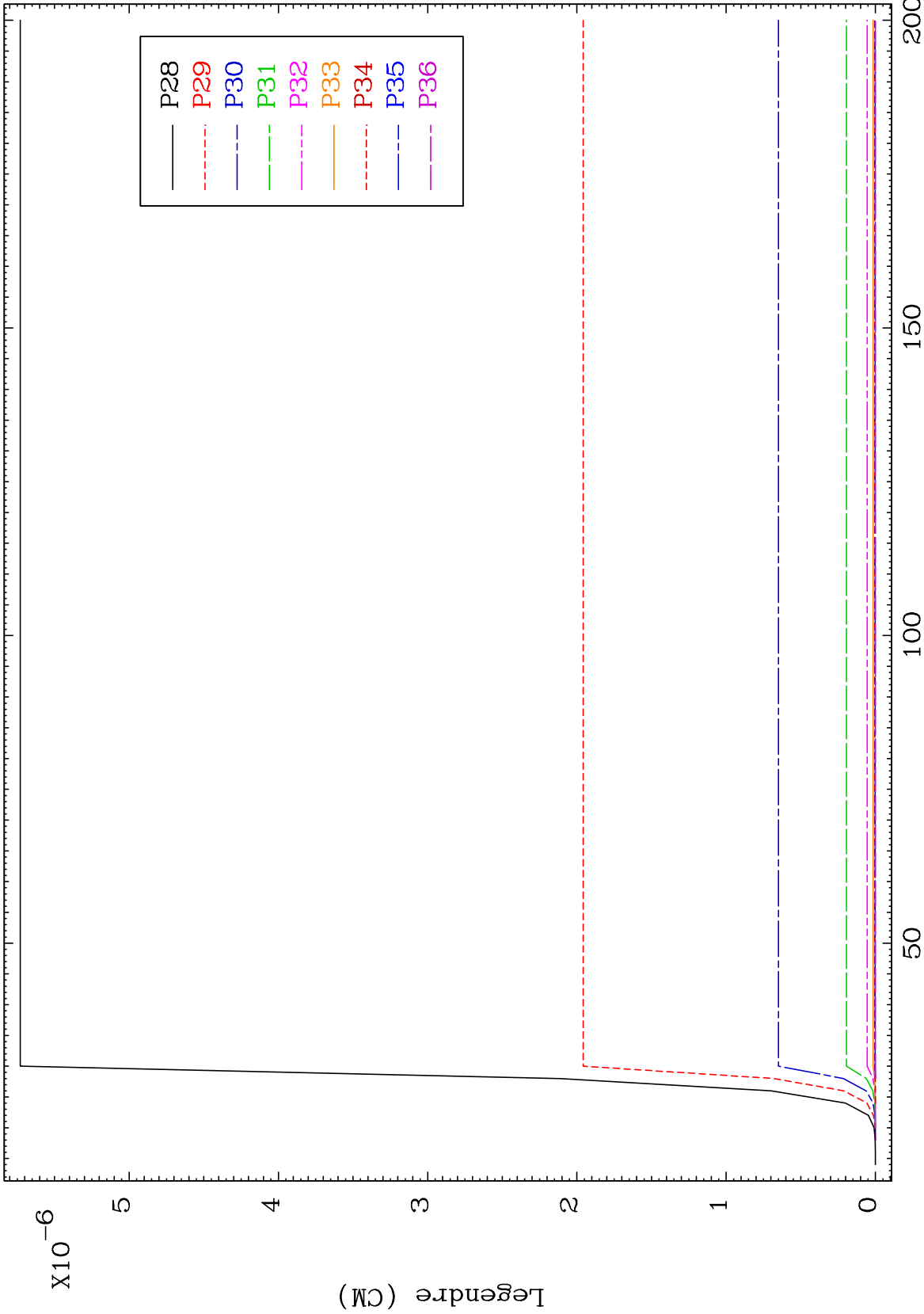
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144

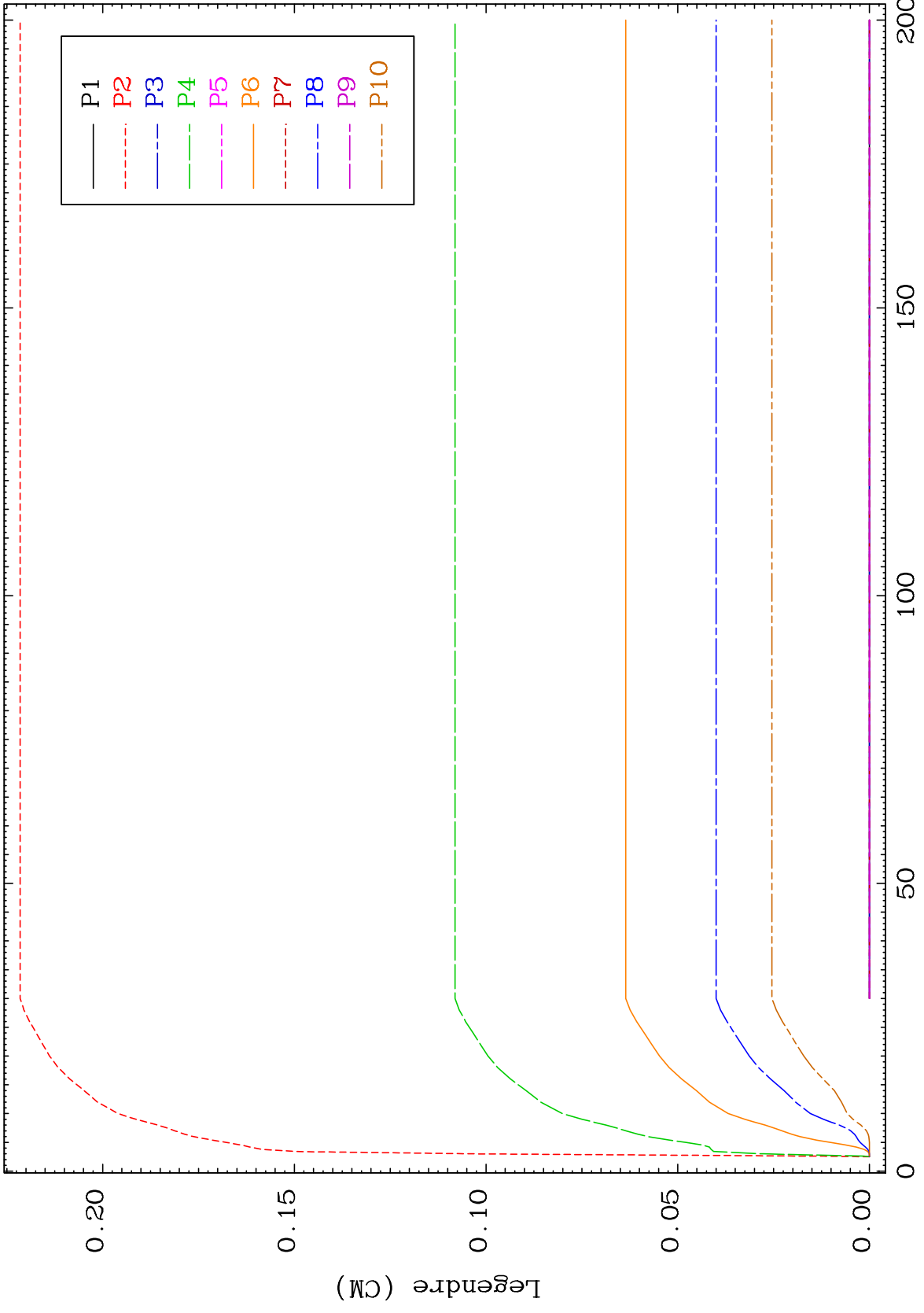


46

Incident Energy (MeV)

62-Sm-144

MAT 6225 MT= 58 (n,n') Level Legendre Coefficients 62-Sm-144



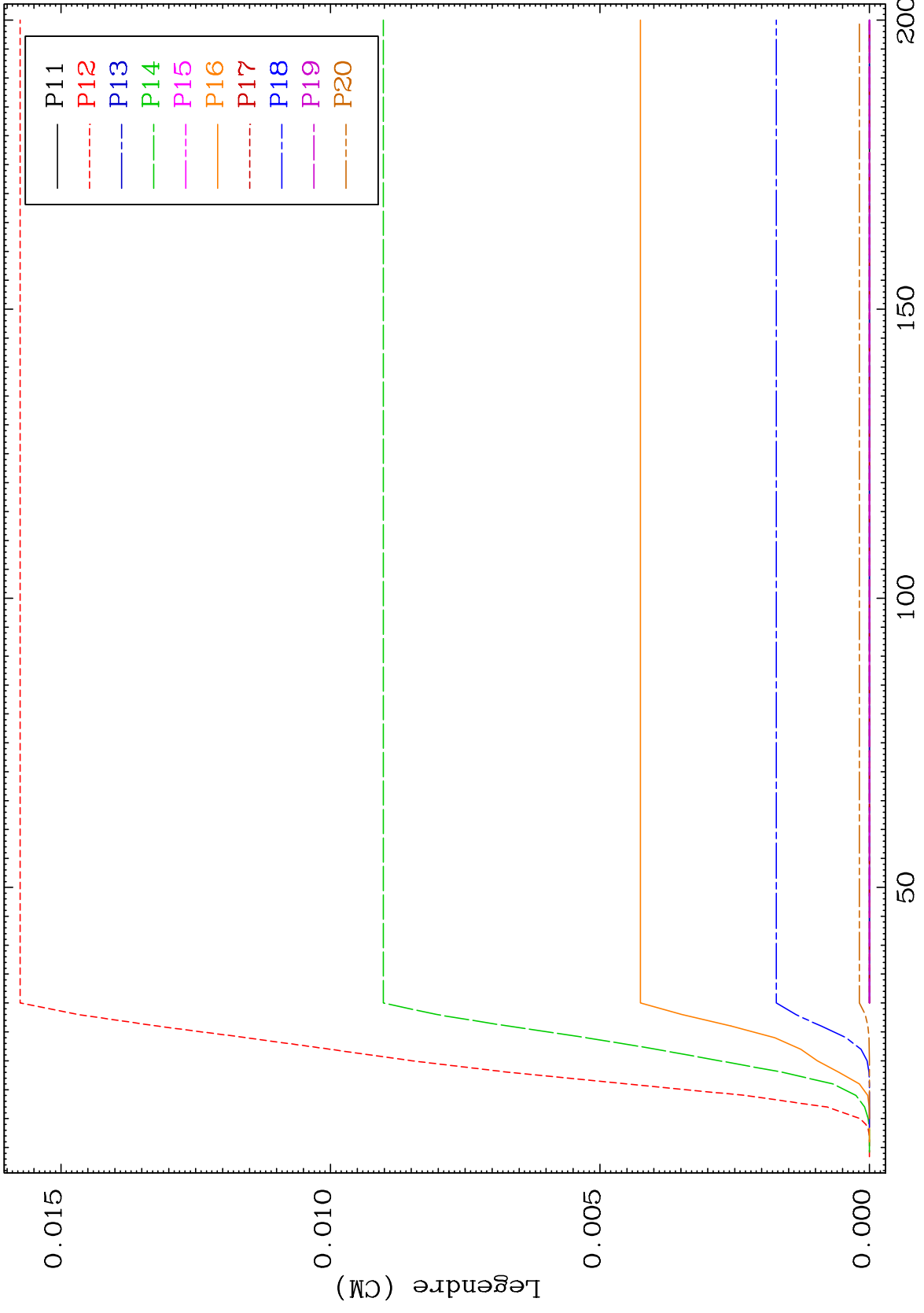
47 62-Sm-144



MAT 6225

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

62-Sm-144



62-Sm-144

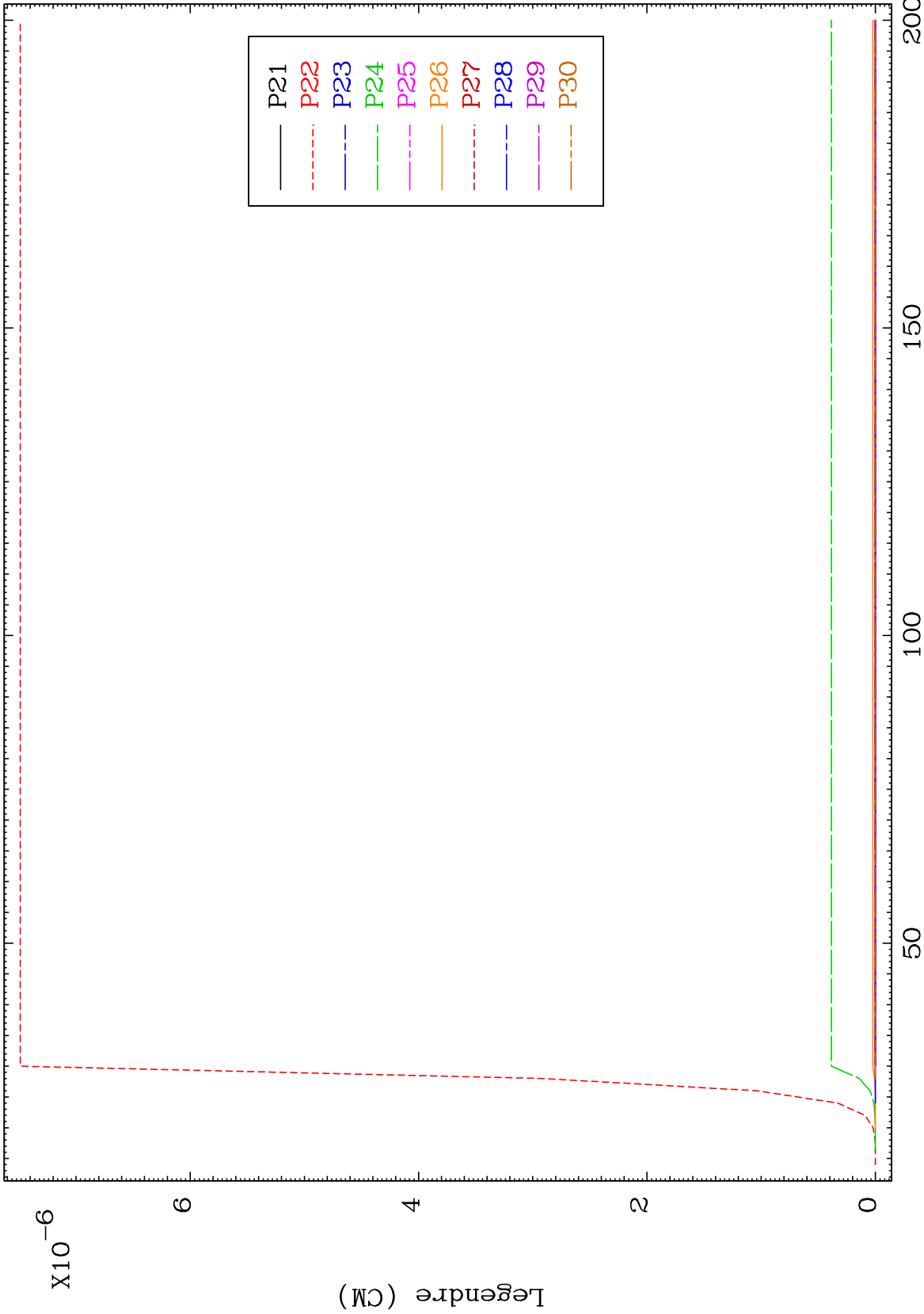
Incident Energy (MeV)

48

MAT 6225

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

62-Sm-144



49

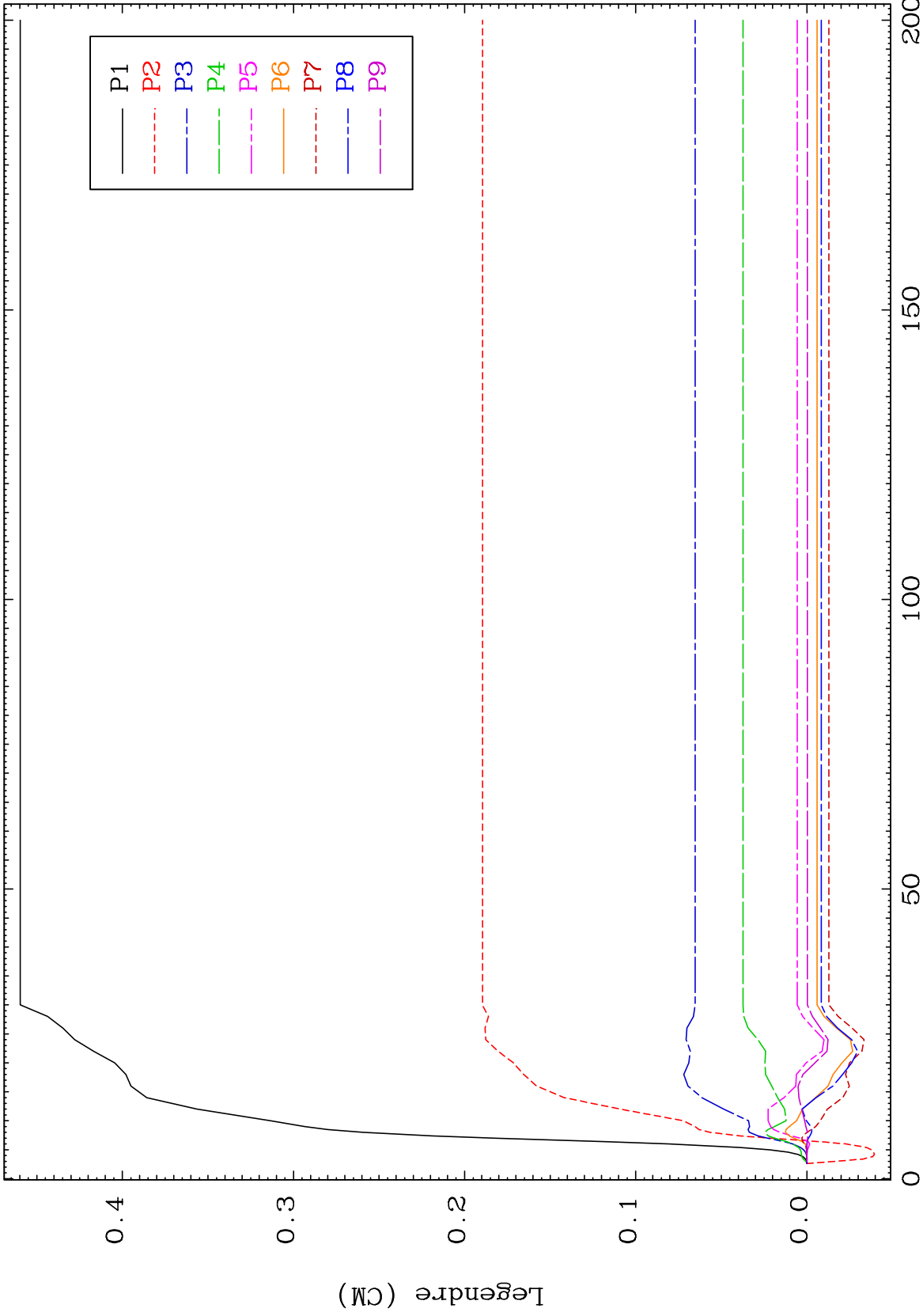
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



50

Incident Energy (MeV)

100

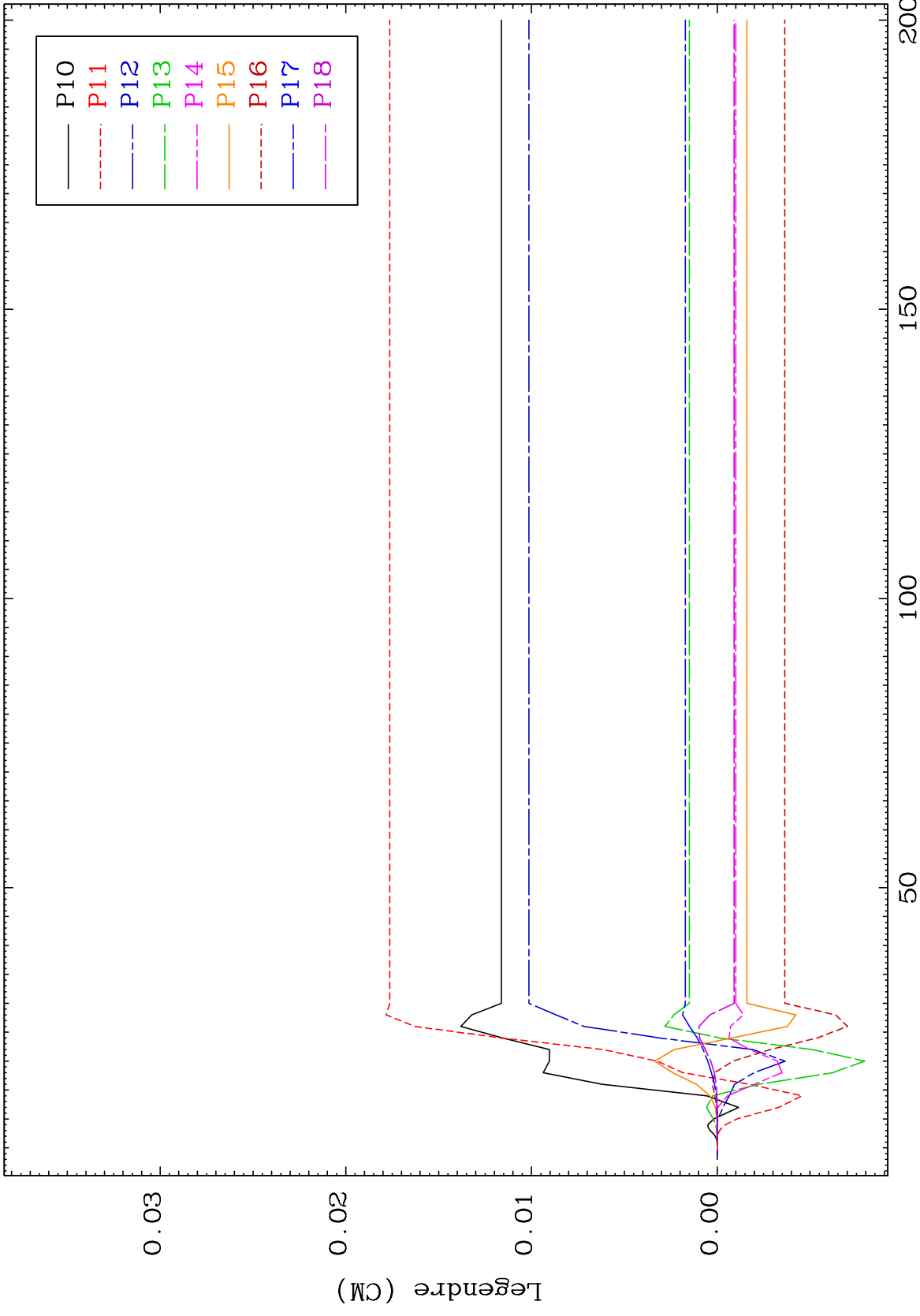
62-Sm-144

200

MAT 6225

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

62-Sm-144



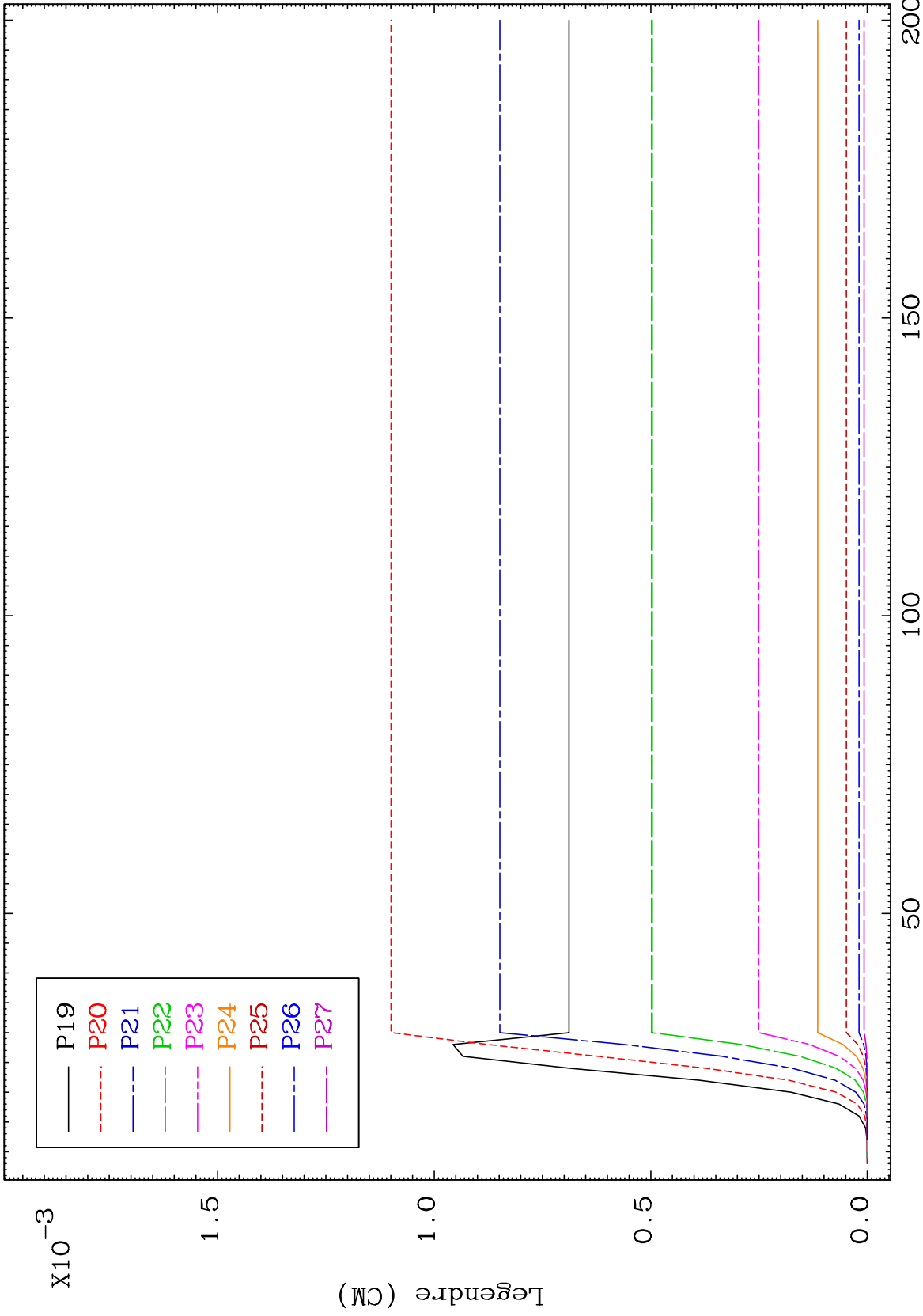
51

62-Sm-144

MAT 6225

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

62-Sm-144



52

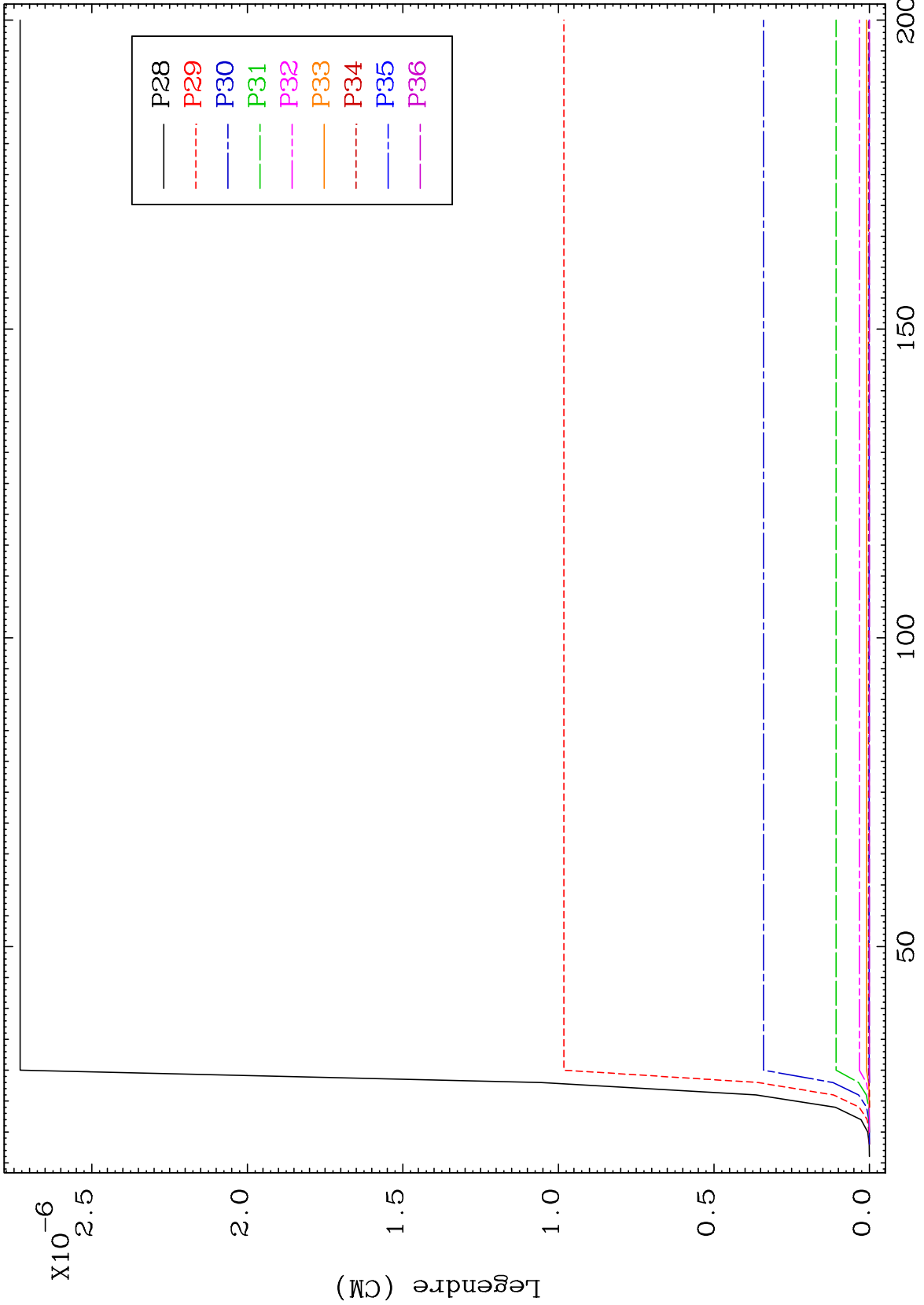
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

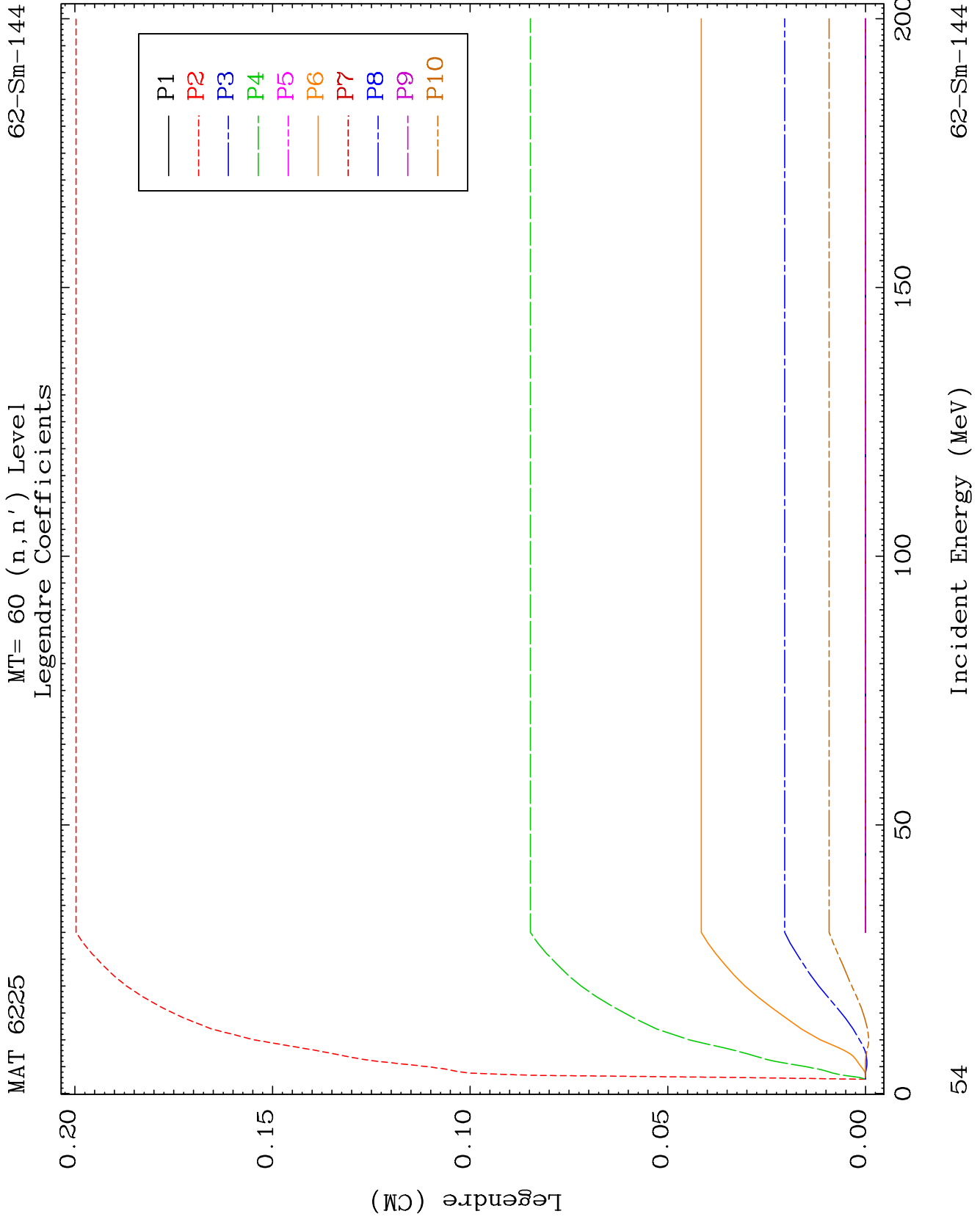
62-Sm-144

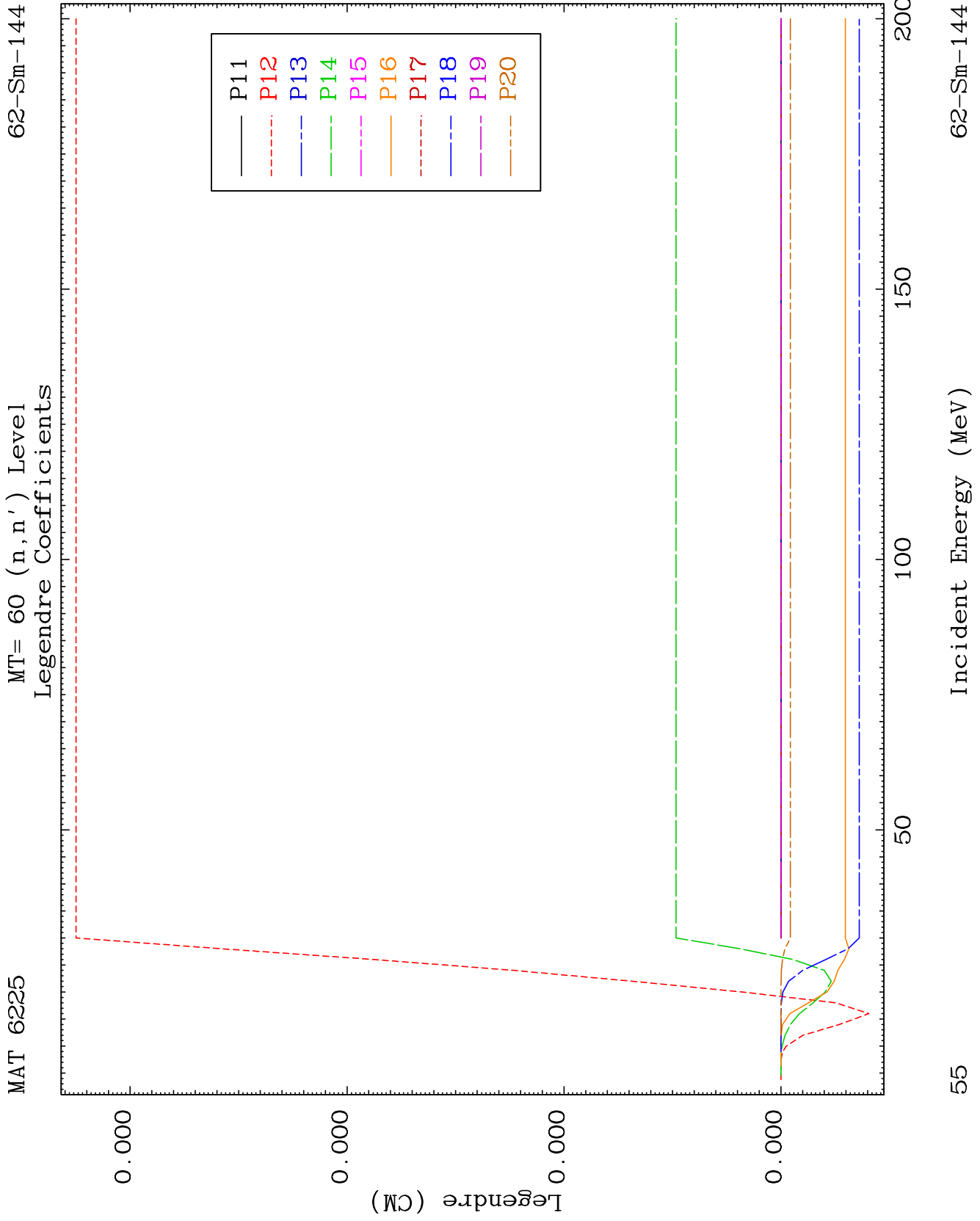


53

Incident Energy (MeV)

62-Sm-144



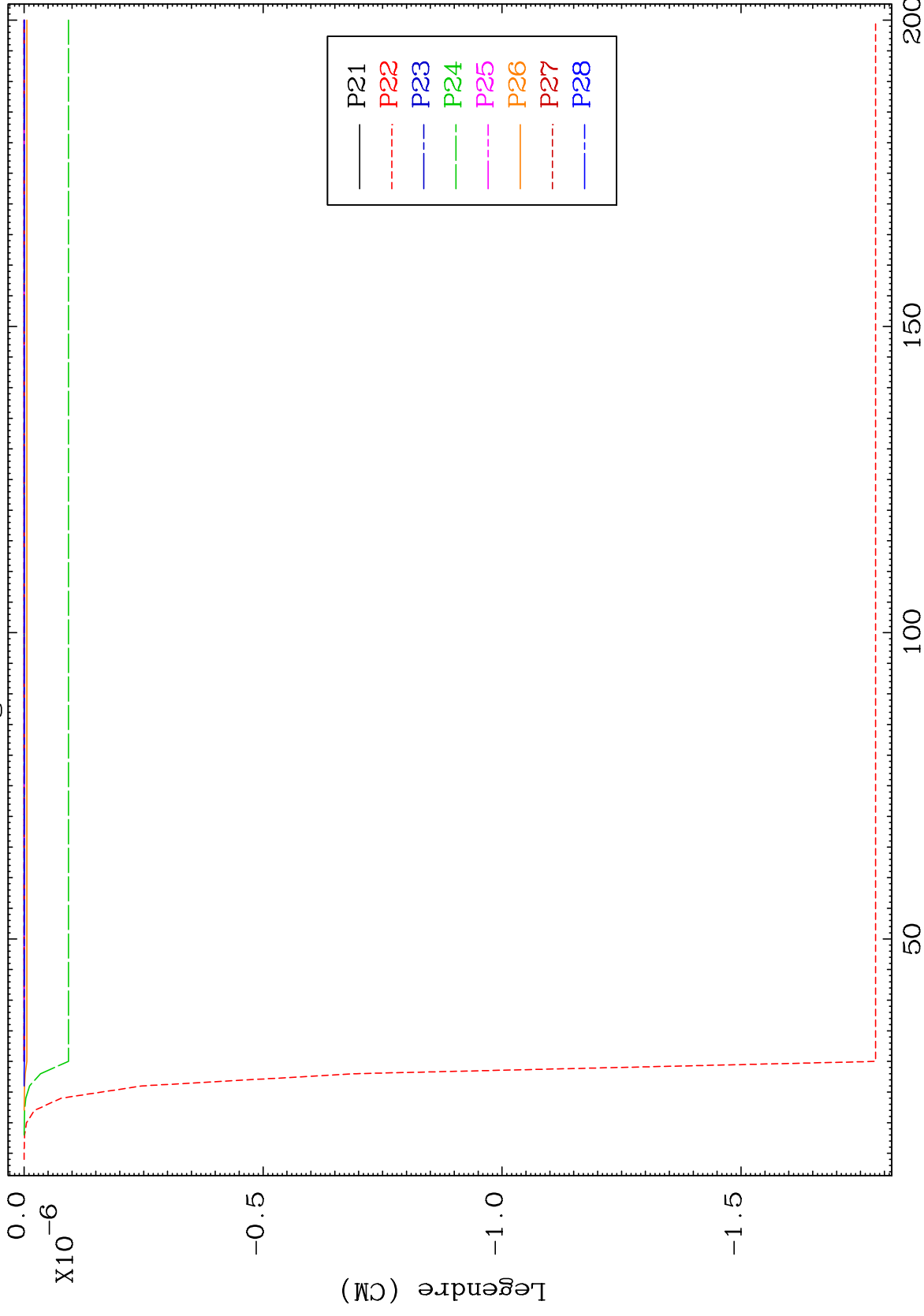




MAT 6225

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

62-Sm-144

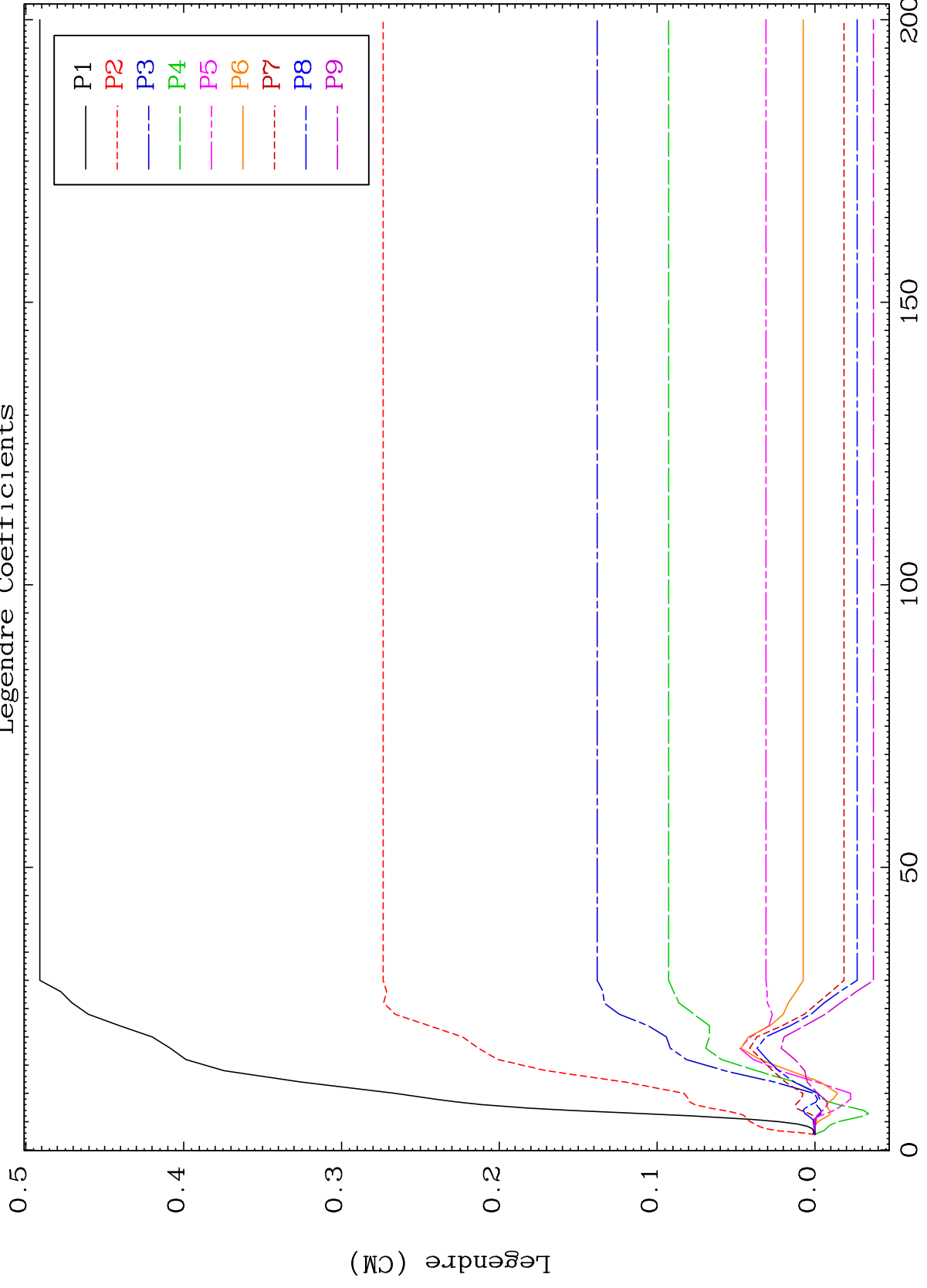


62-Sm-144

Incident Energy (MeV)

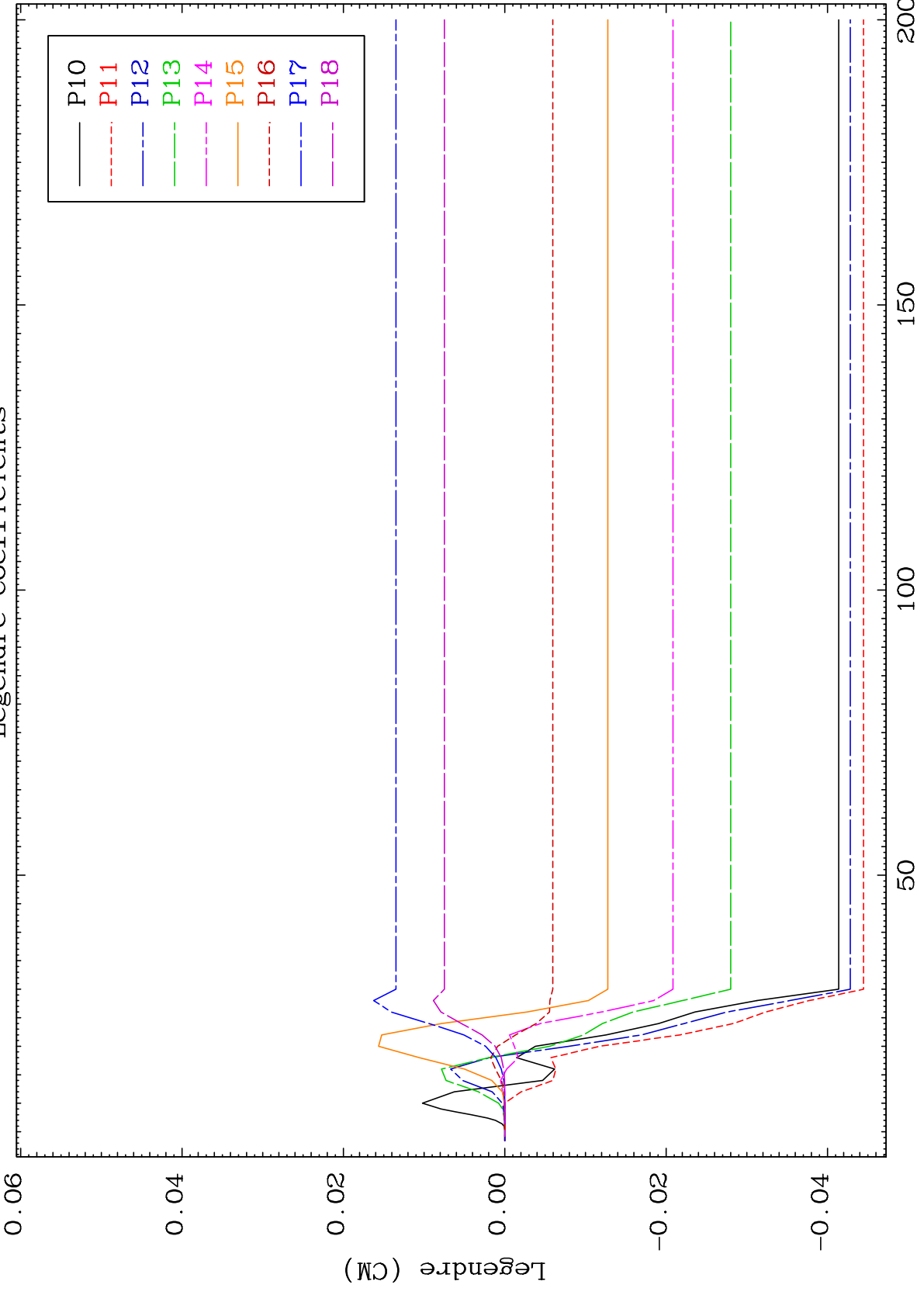
56

MAT 6225 MT= 61 (n,n') Level Legendre Coefficients 62-Sm-144



57 Incident Energy (MeV) 62-Sm-144

MAT 6225 MT= 61 (n,n') Level Legendre Coefficients 62-Sm-144

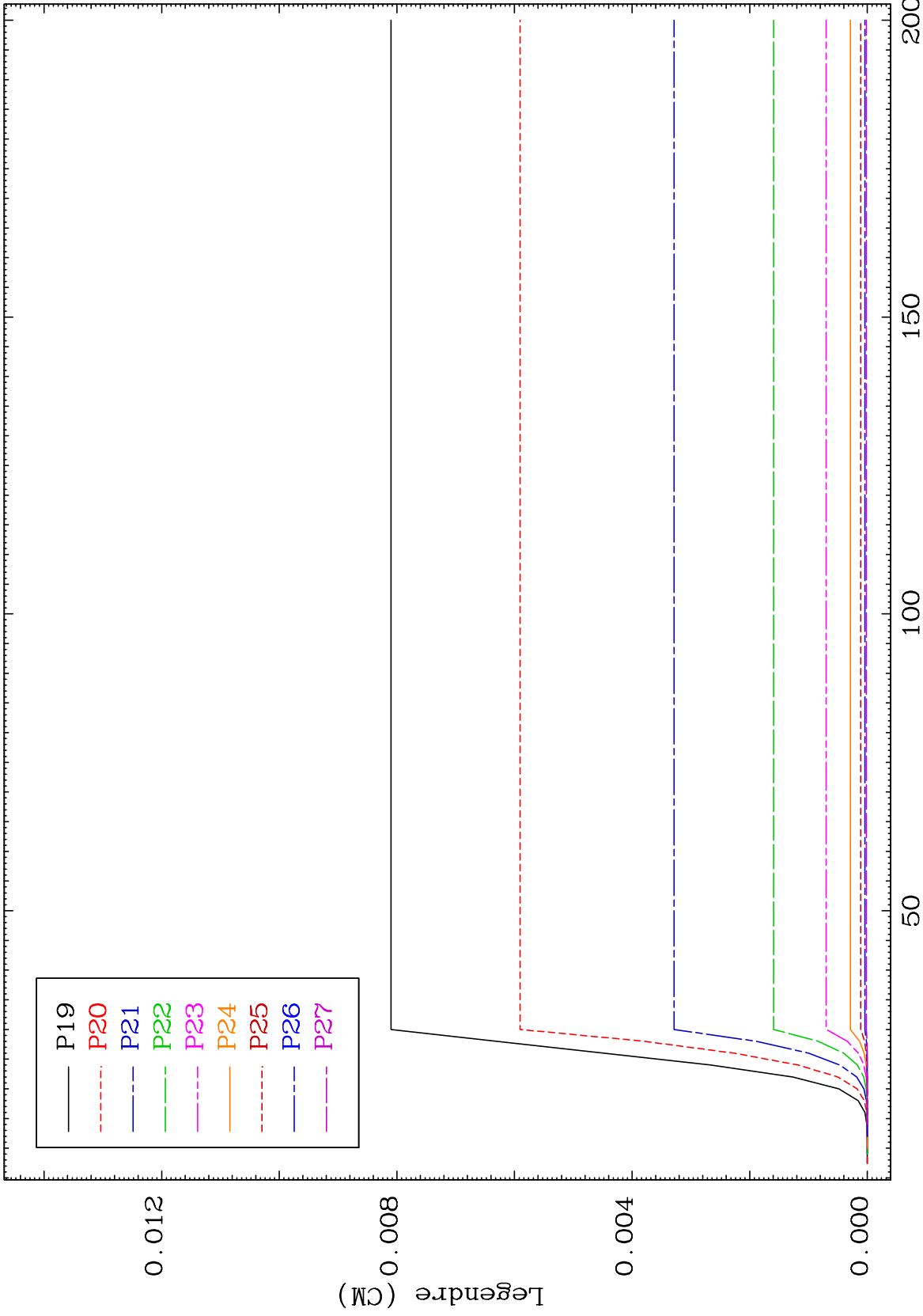


58 Incident Energy (MeV) 62-Sm-144

MAT 6225

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

62-Sm-144



59

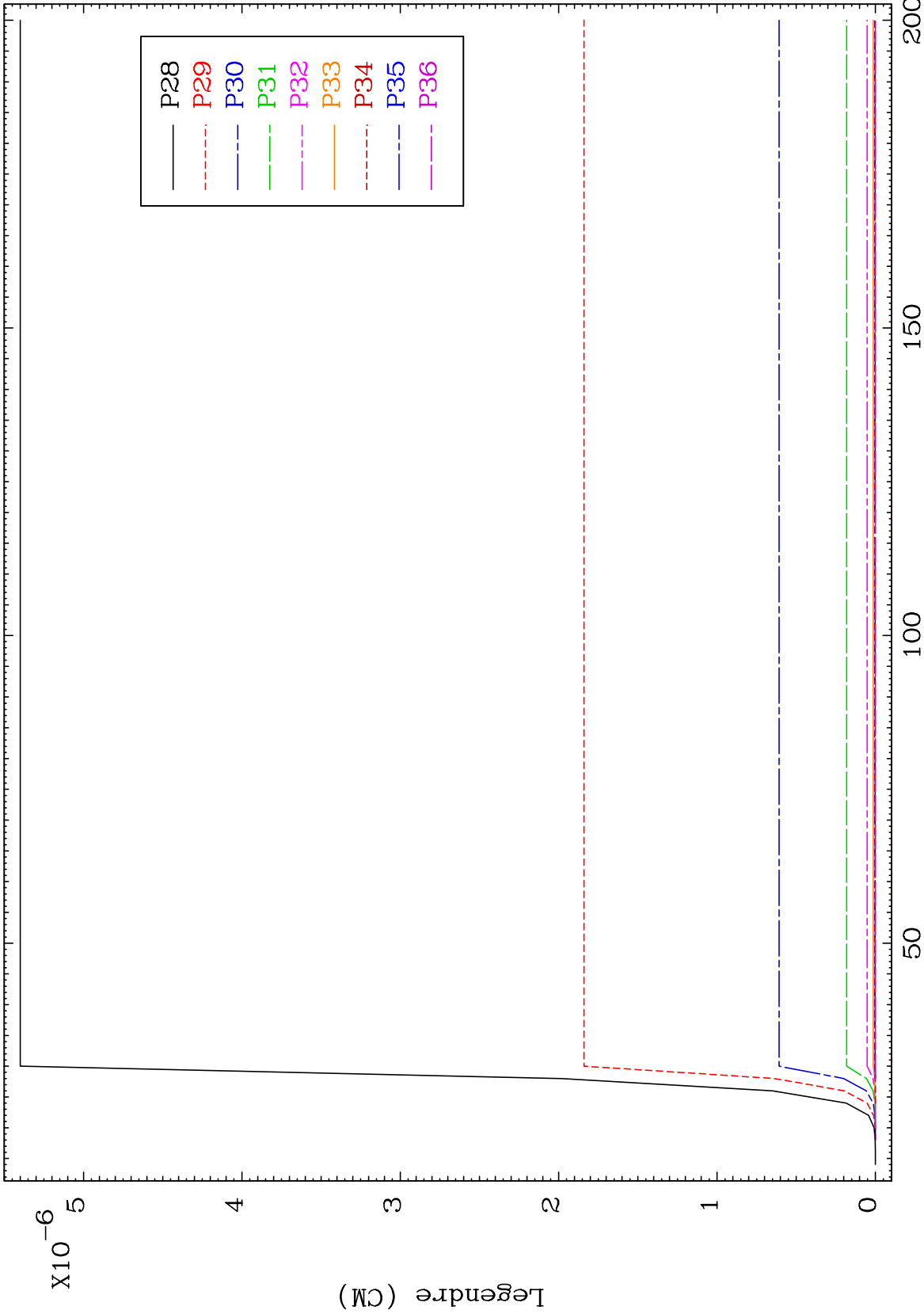
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144

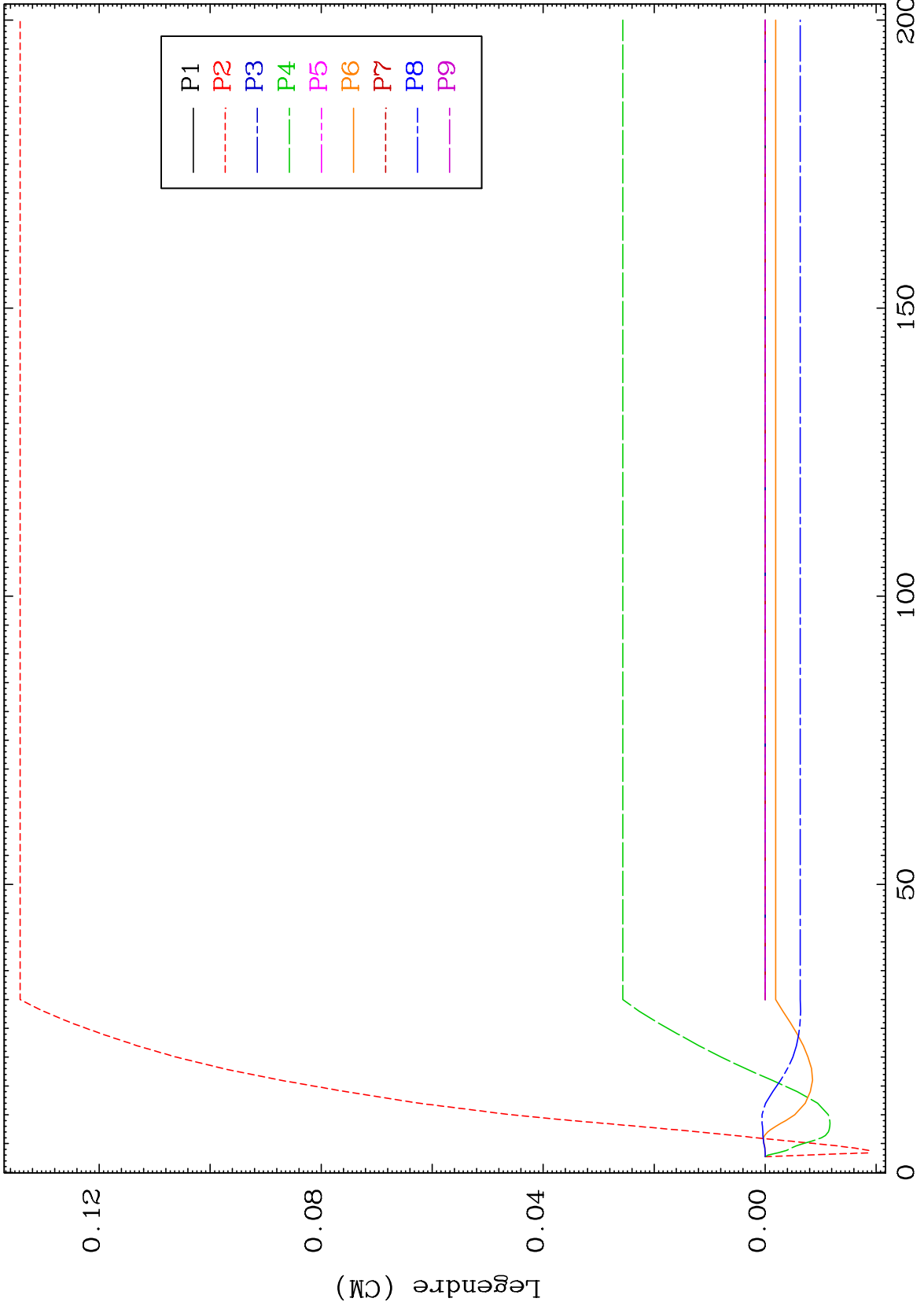


60

Incident Energy (MeV)

62-Sm-144

MAT 6225 MT= 62 (n,n') Level Legendre Coefficients 62-Sm-144

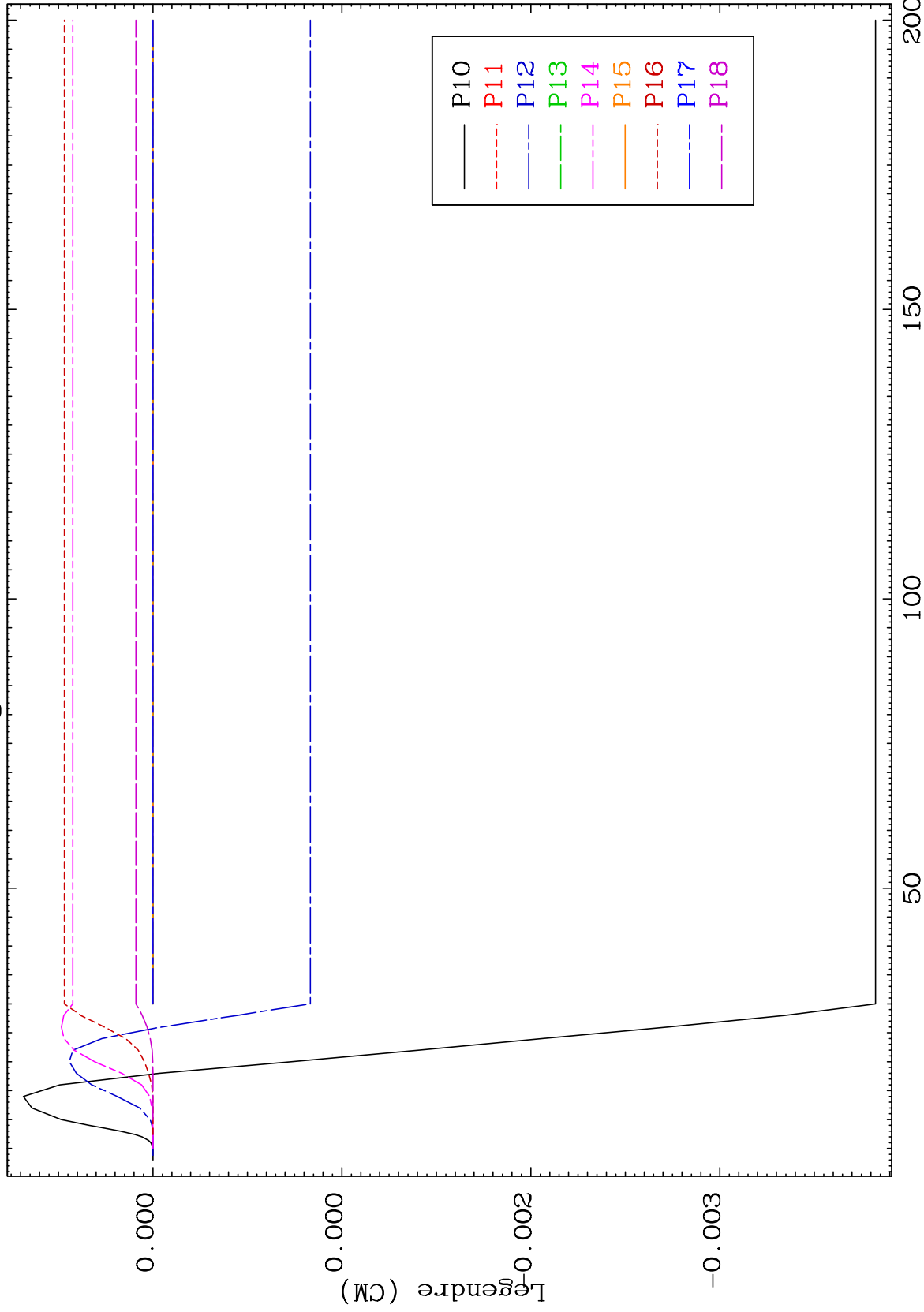


61 62-Sm-144

MAT 6225

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

62-Sm-144

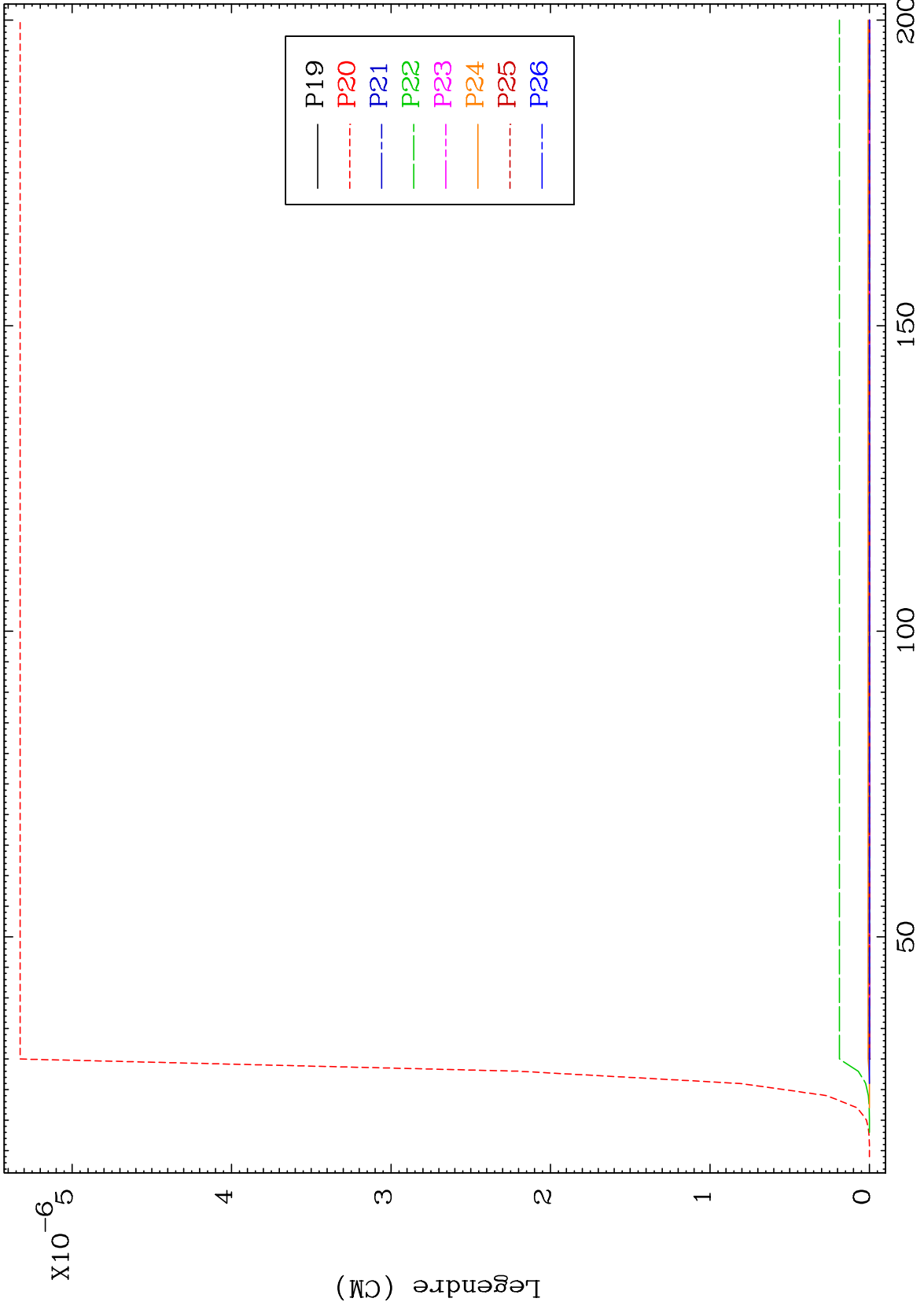


62

Incident Energy (MeV)

62-Sm-144

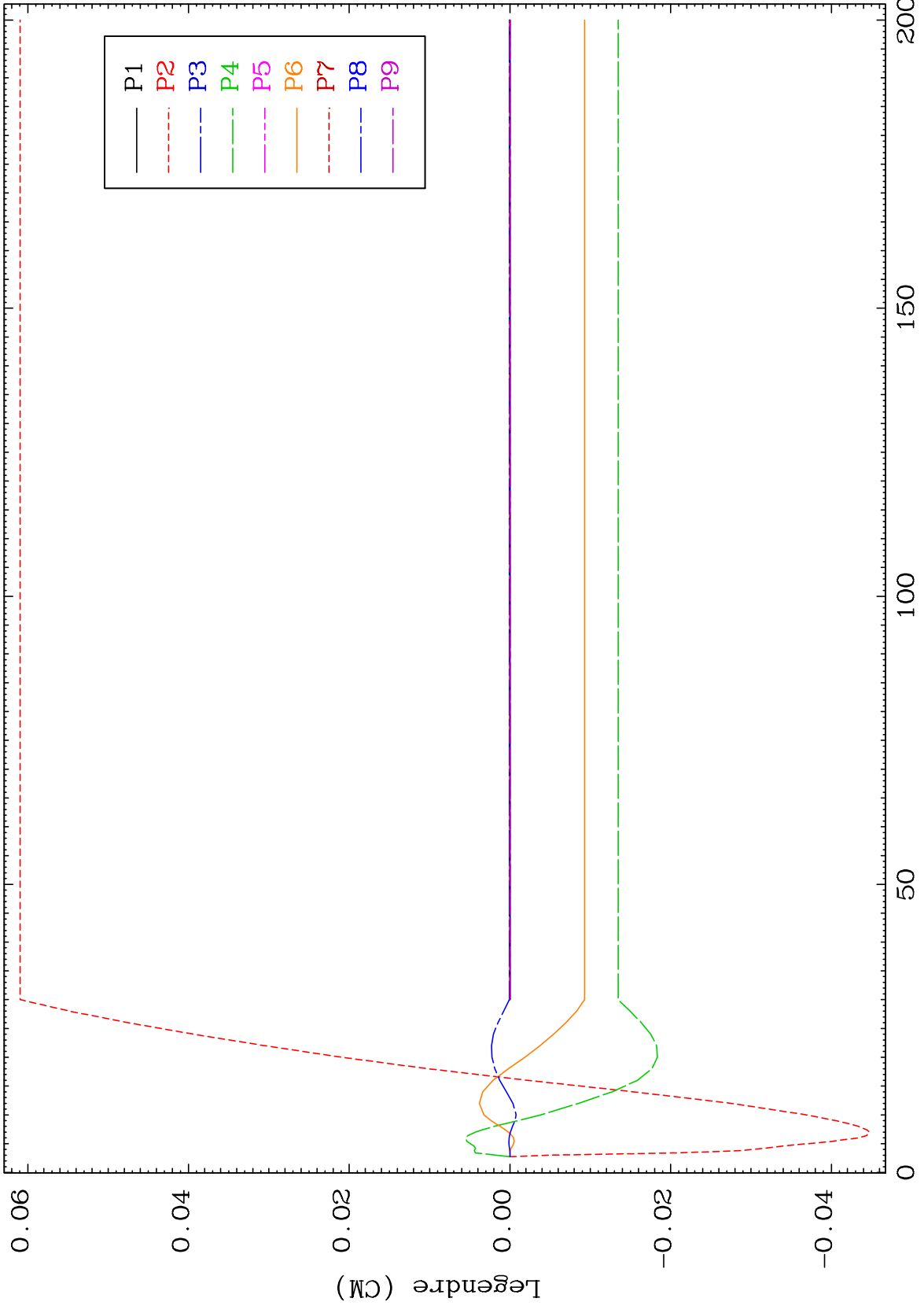
MAT 6225 MT= 62 (n,n') Level Legendre Coefficients 62-Sm-144



63 62-Sm-144



MAT 6225 MT= 63 (n,n') Level Legendre Coefficients 62-Sm-144

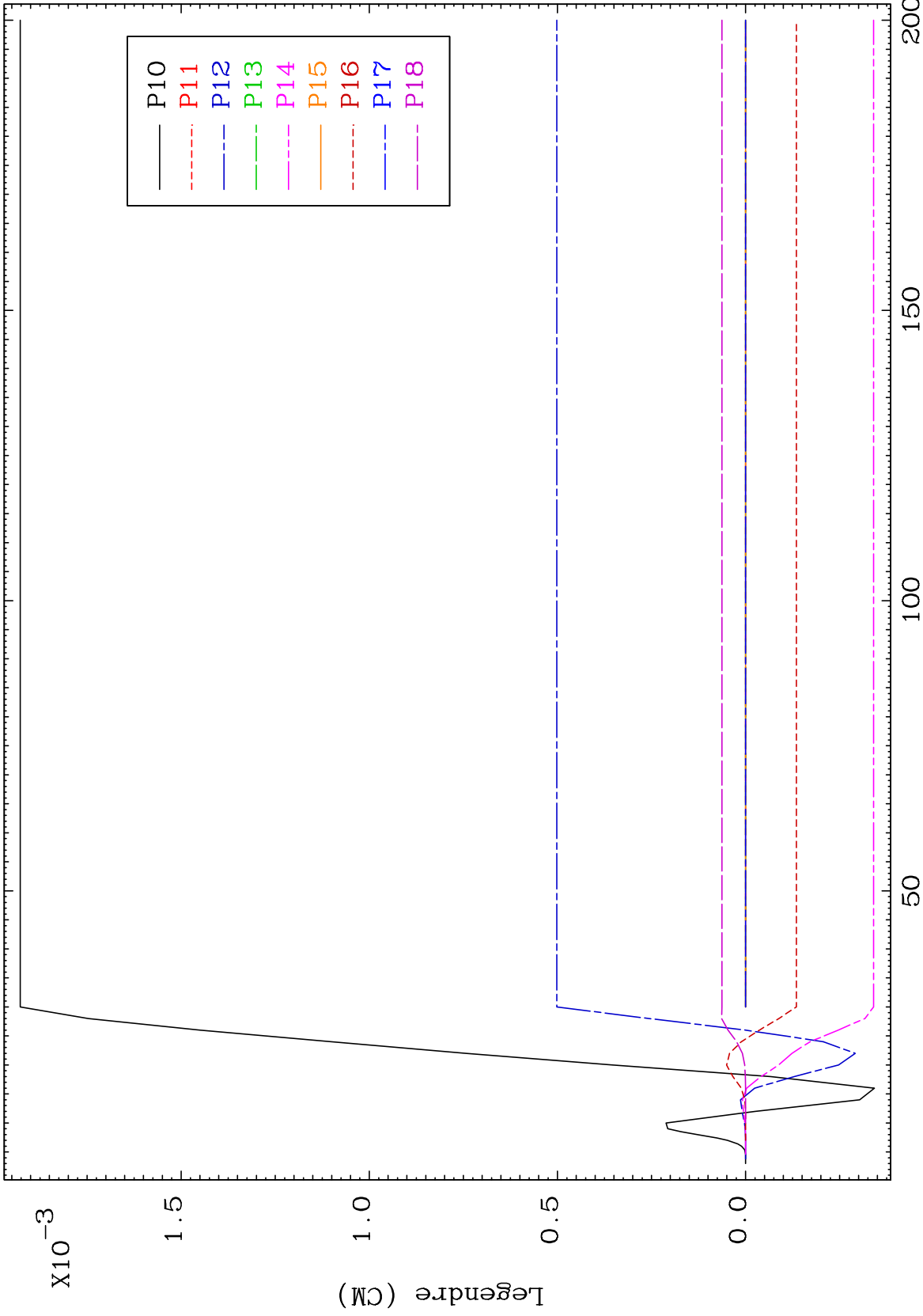


64 62-Sm-144

MAT 6225

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

62-Sm-144



65

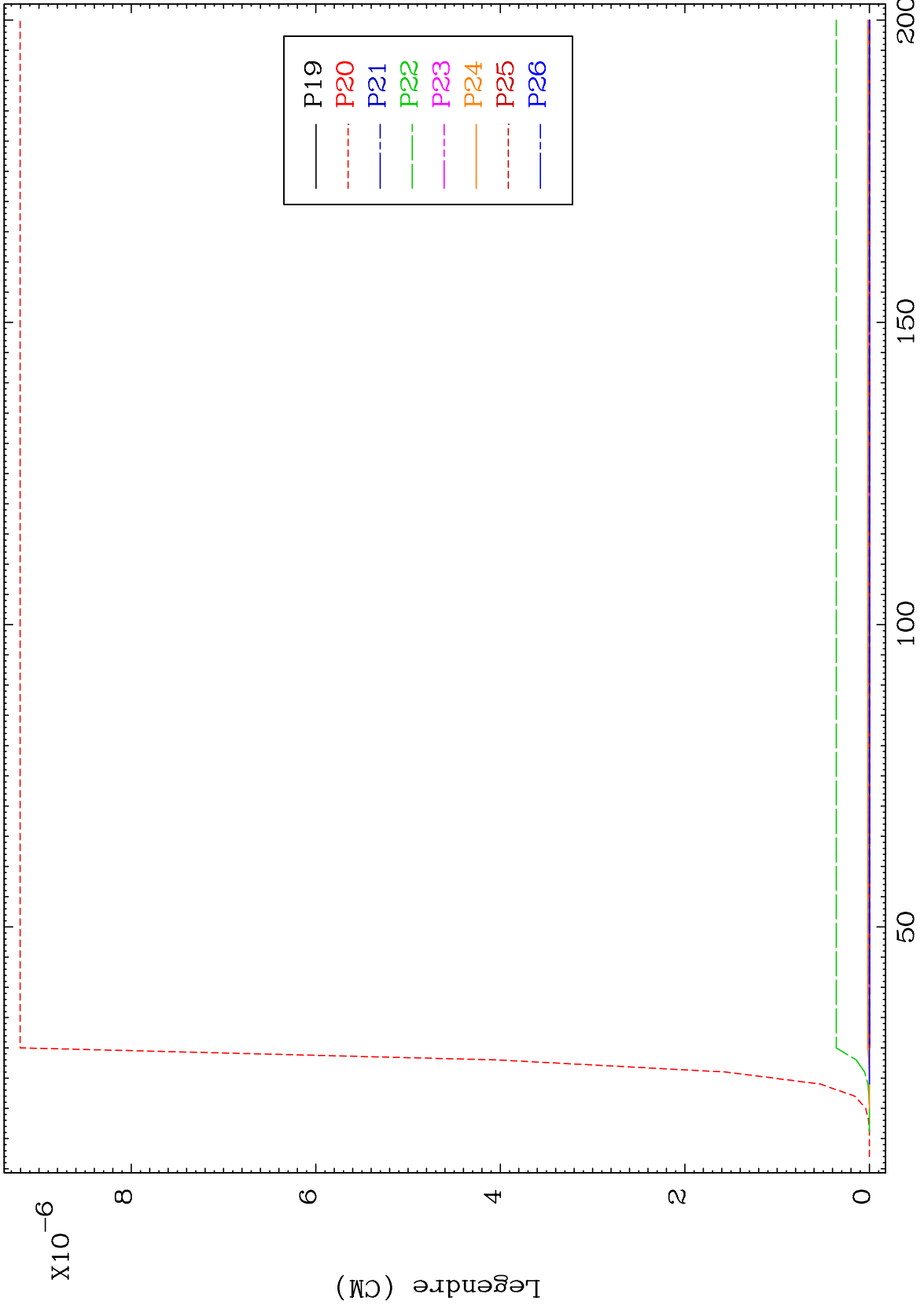
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



66

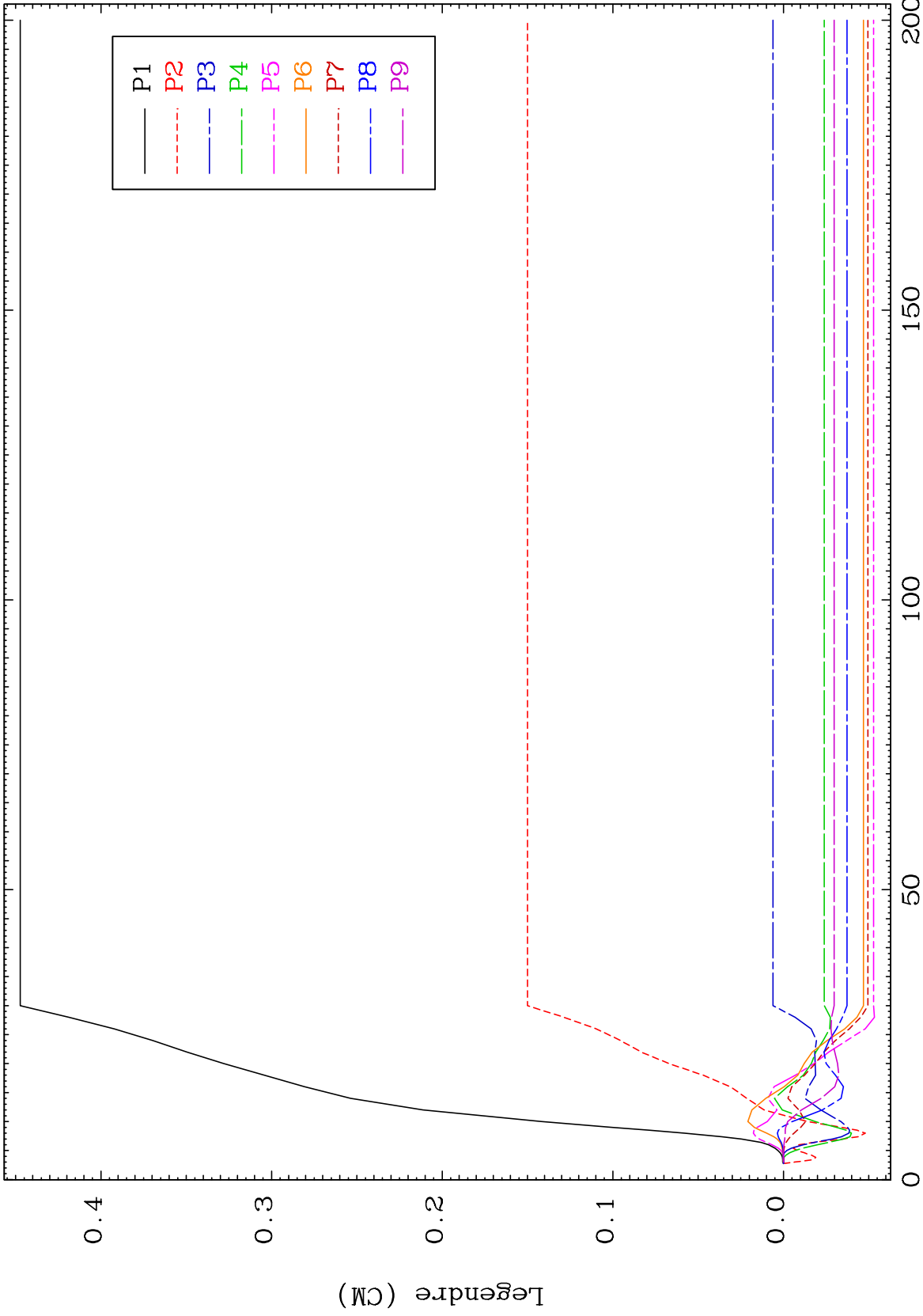
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



67

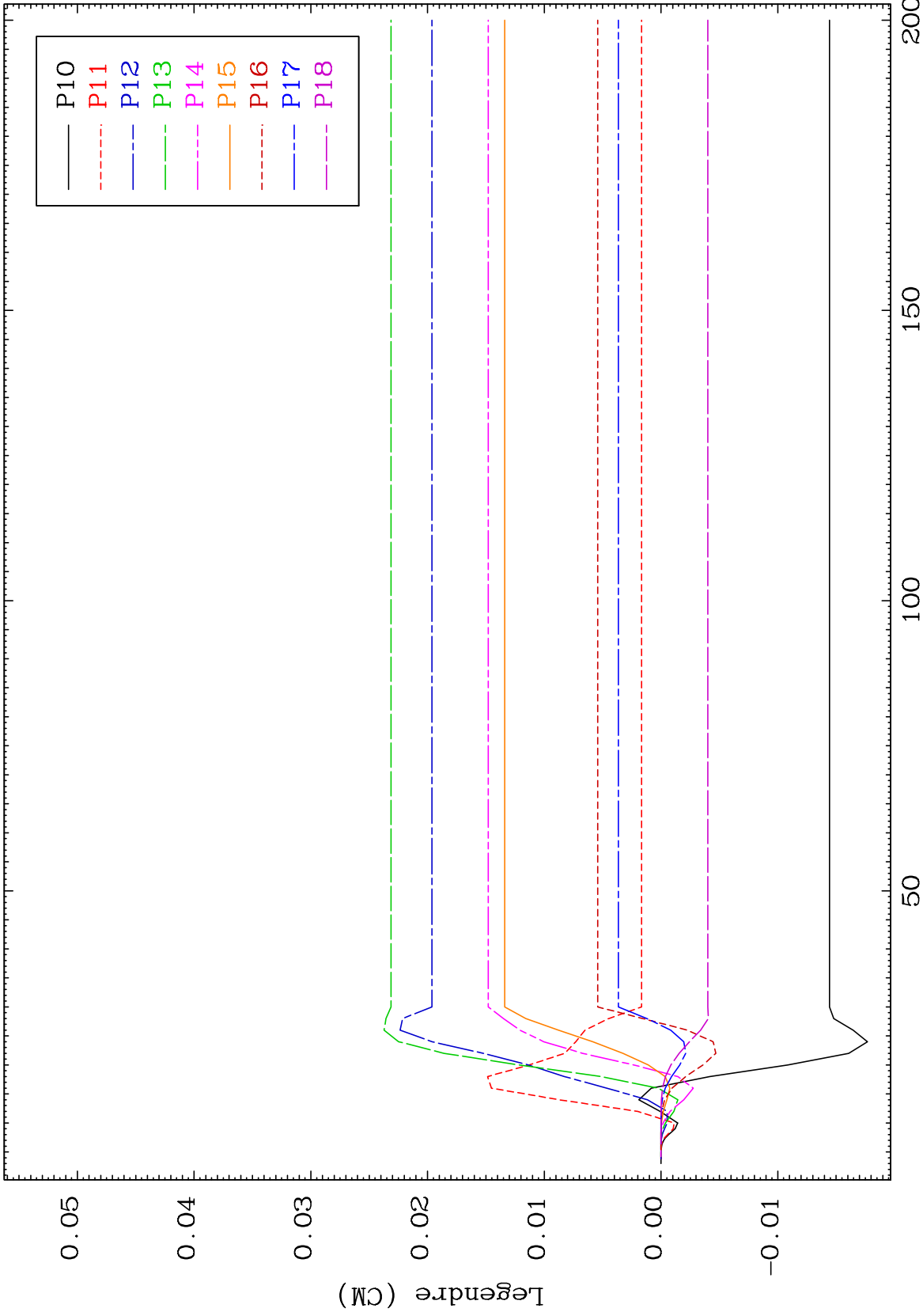
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



68

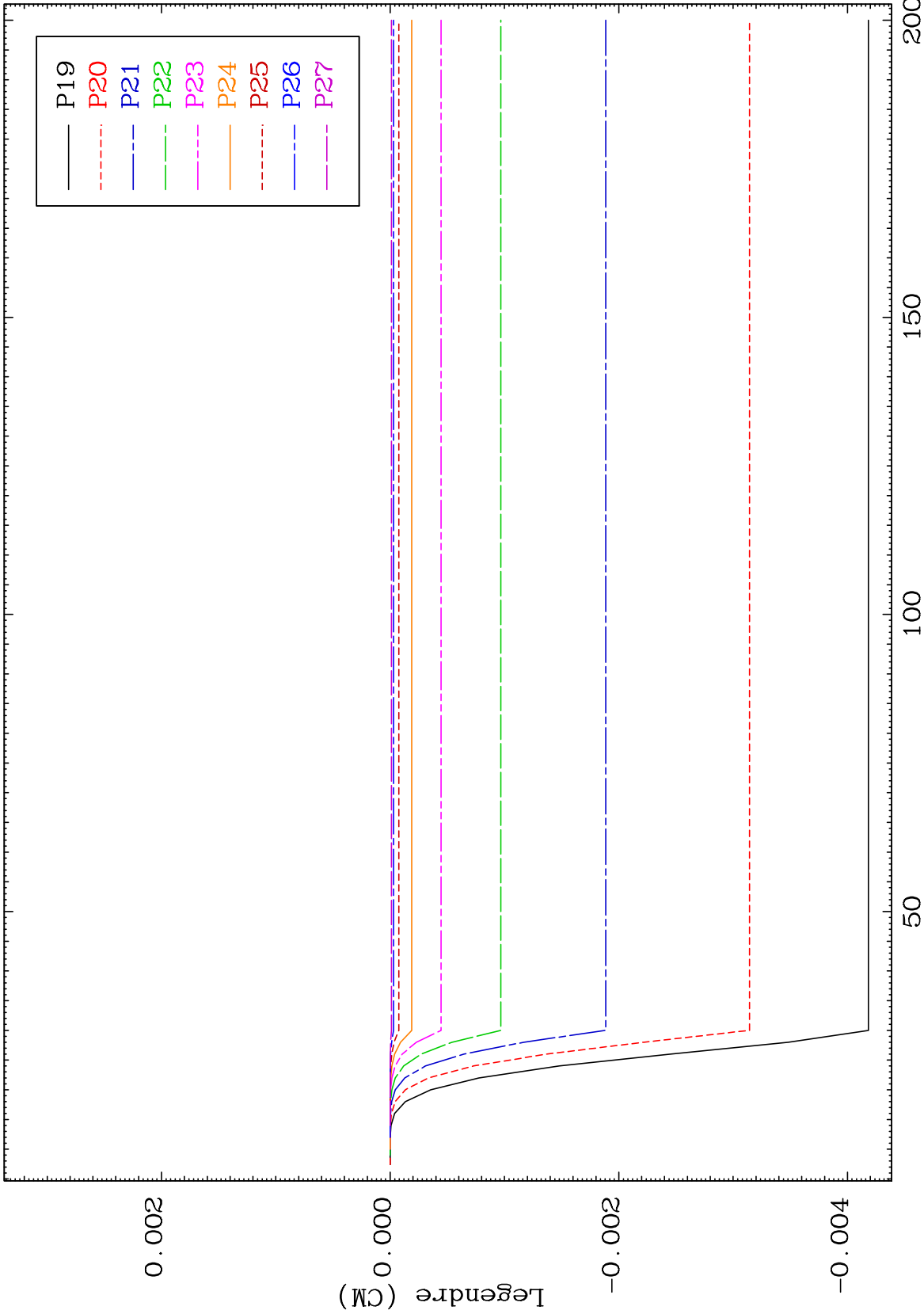
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



69

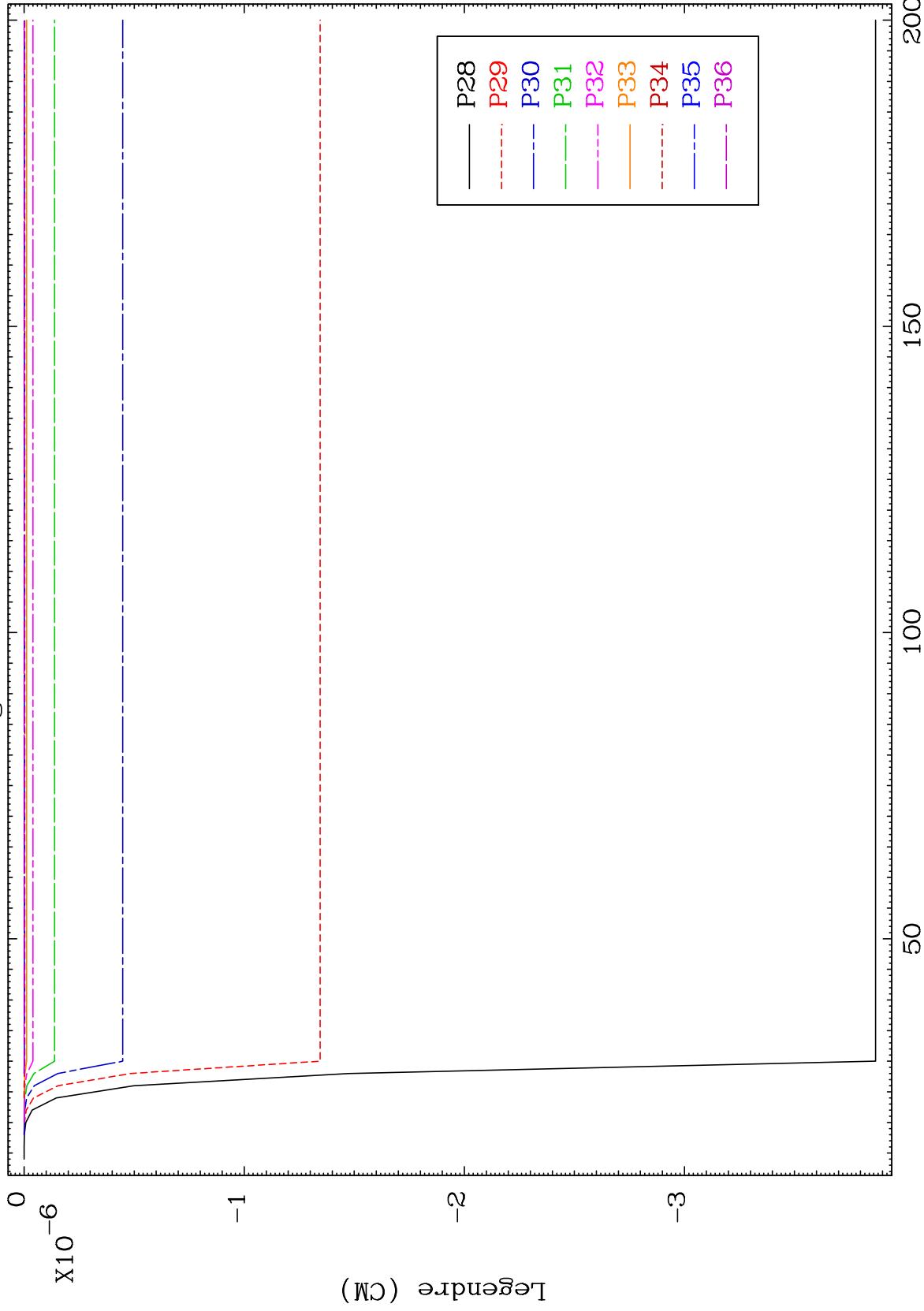
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



62-Sm-144

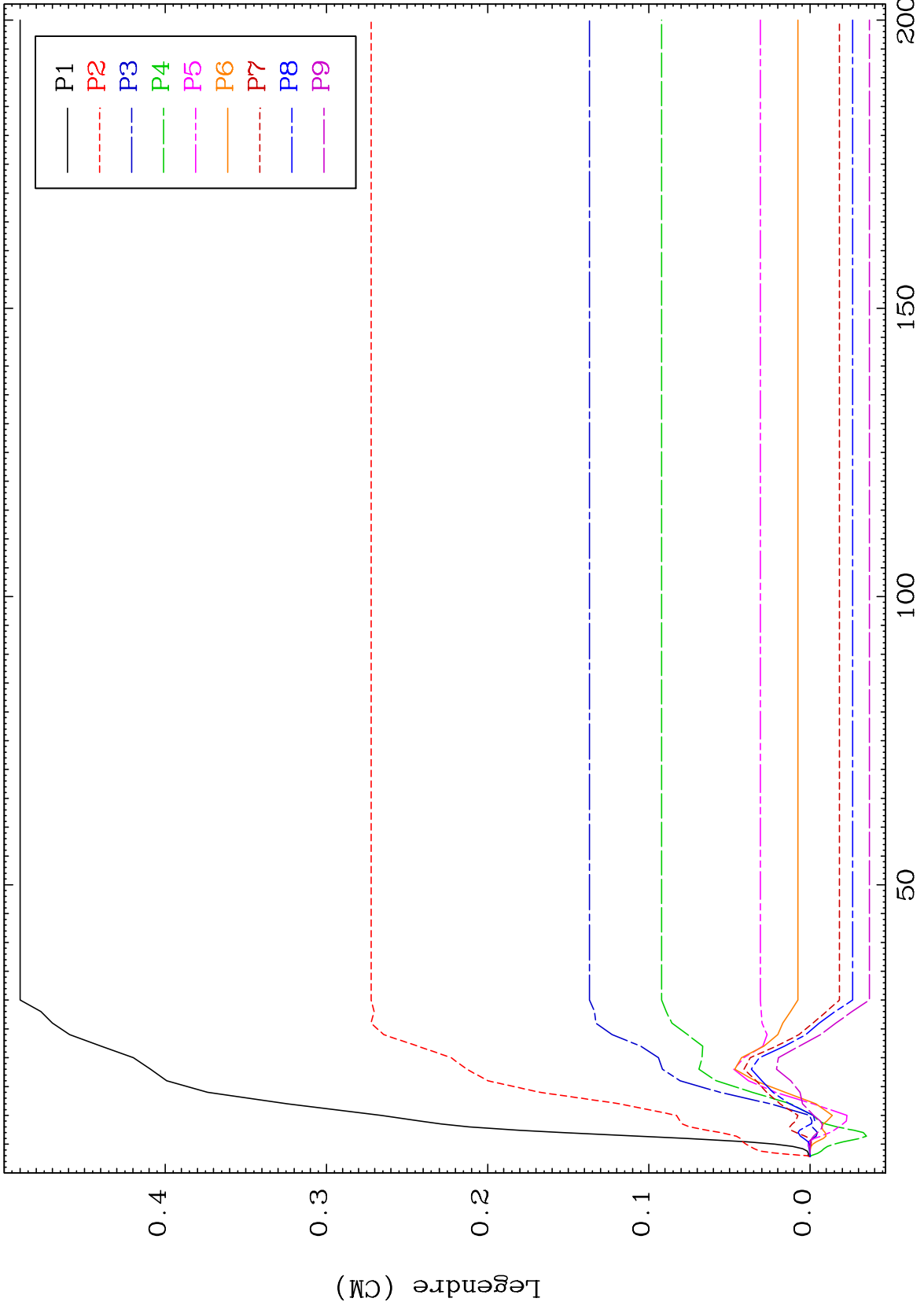
Incident Energy (MeV)

70

MAT 6225

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

62-Sm-144

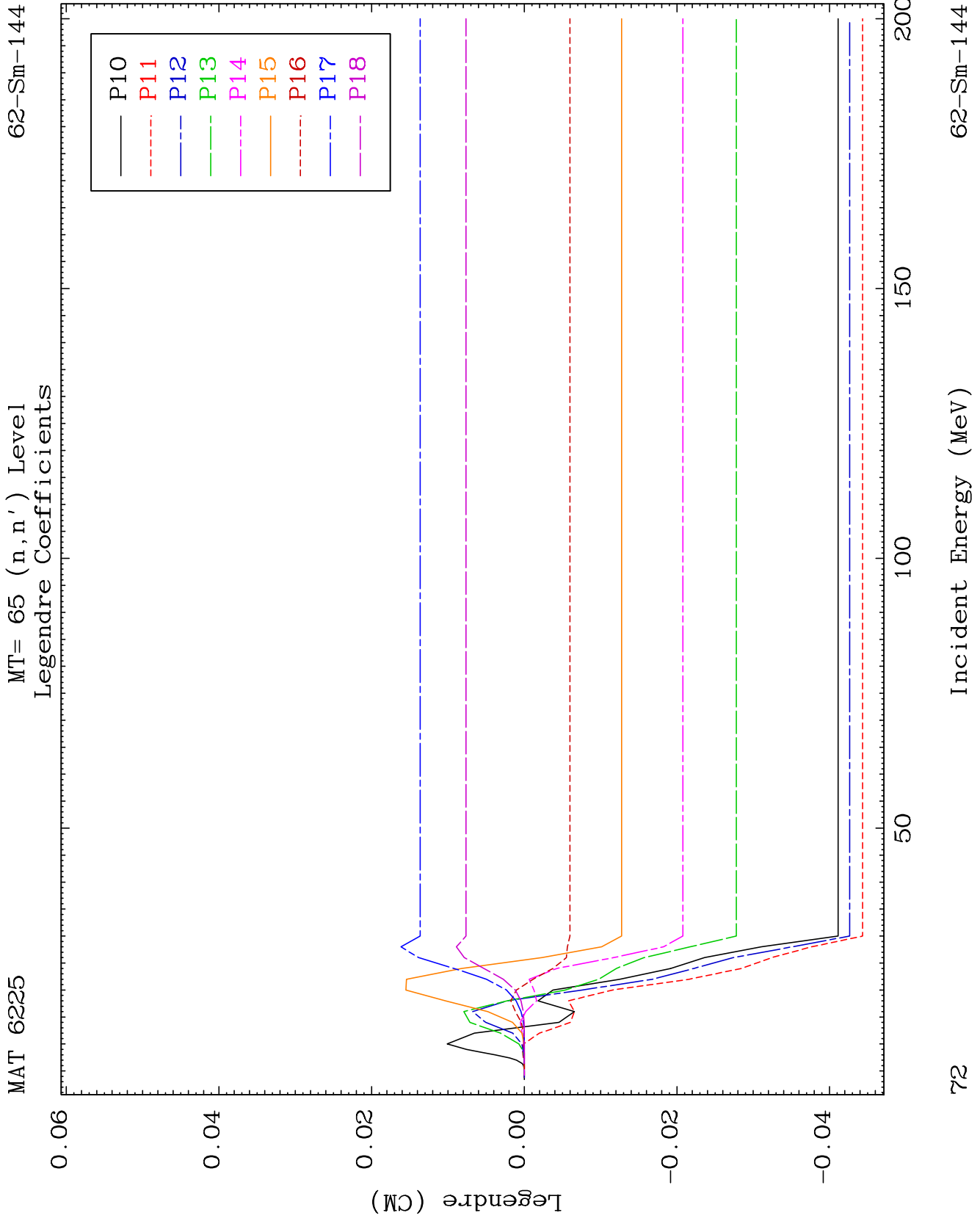


71

Incident Energy (MeV)

62-Sm-144

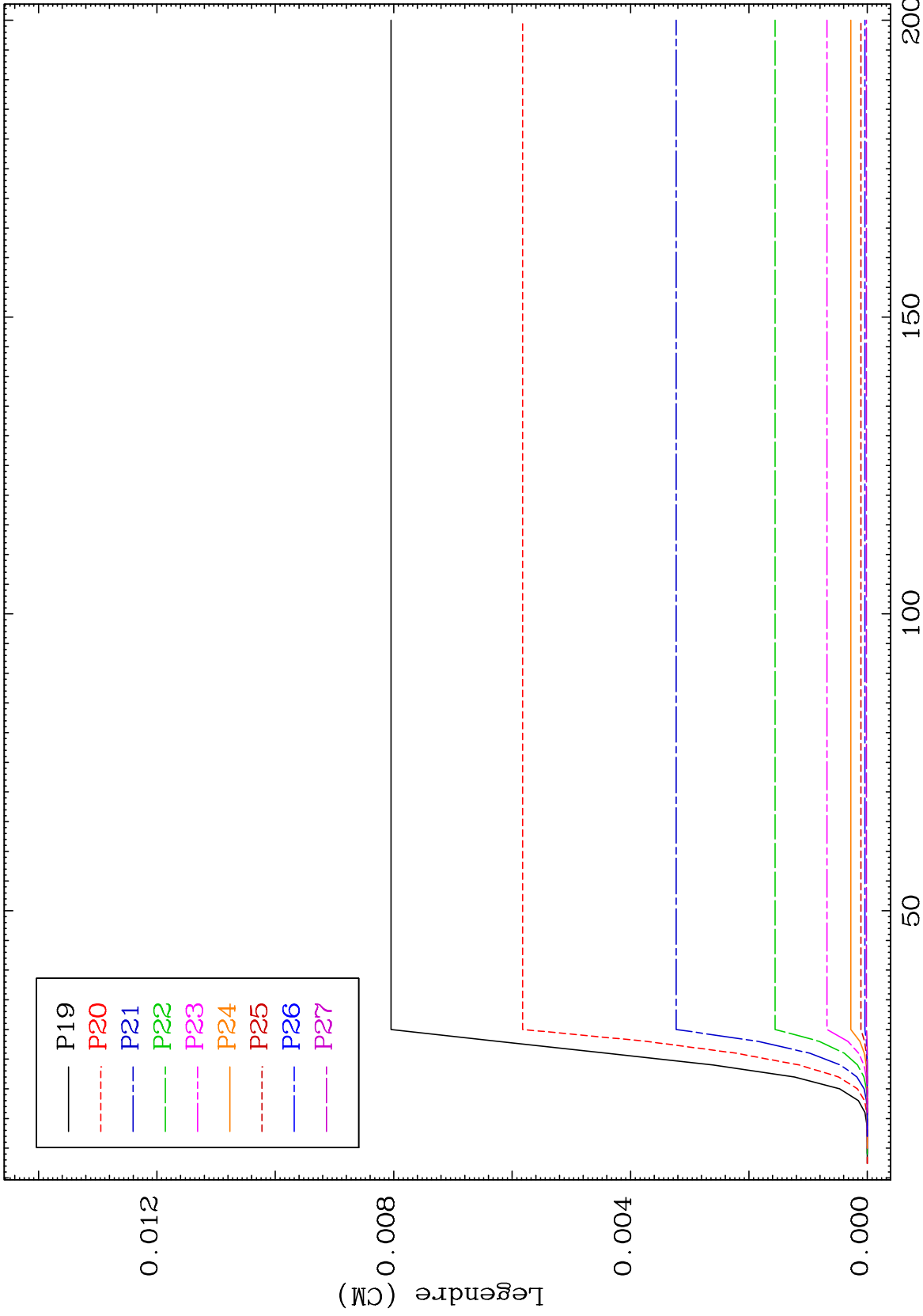




MAT 6225

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

62-Sm-144



73

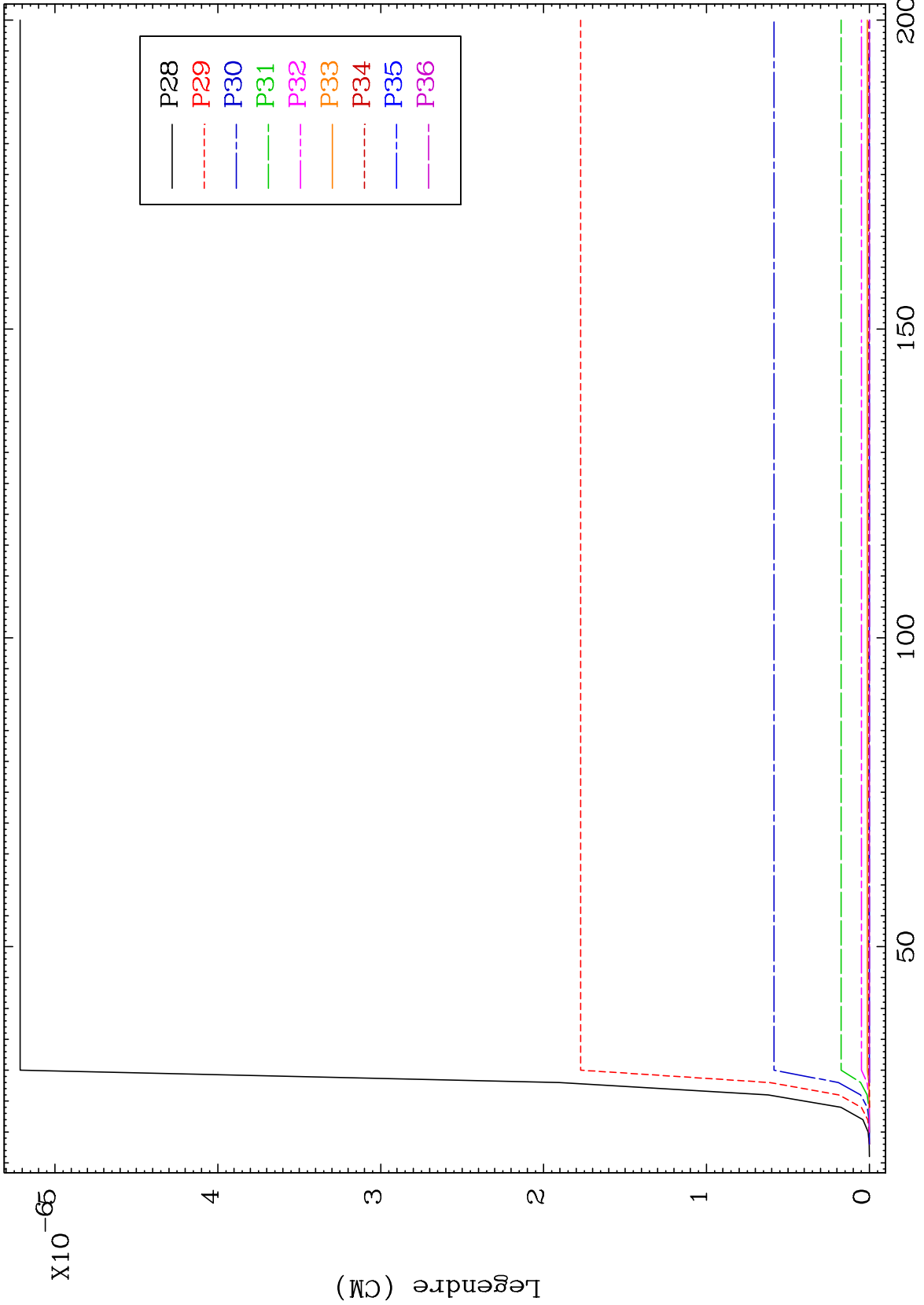
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



74

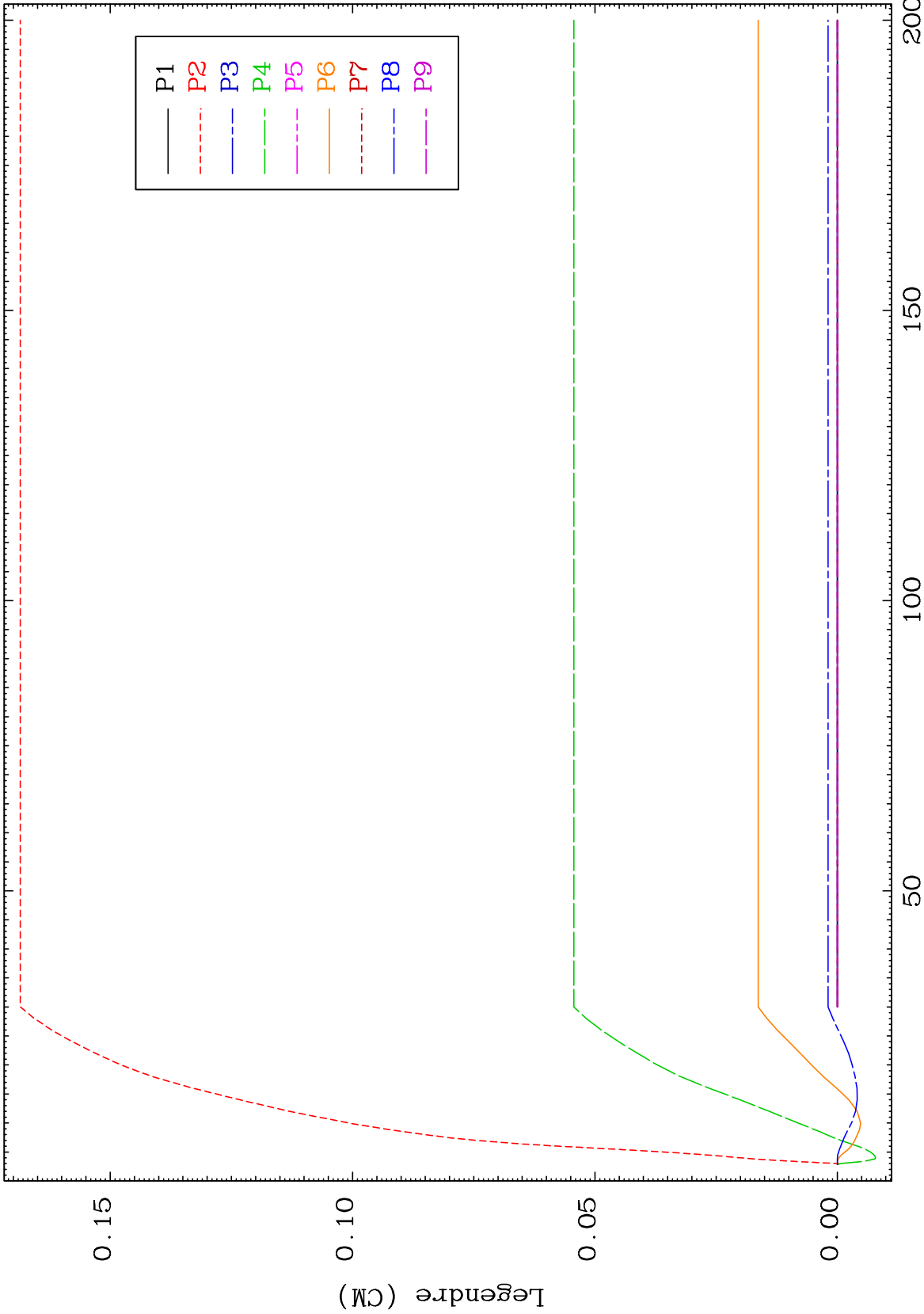
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



75

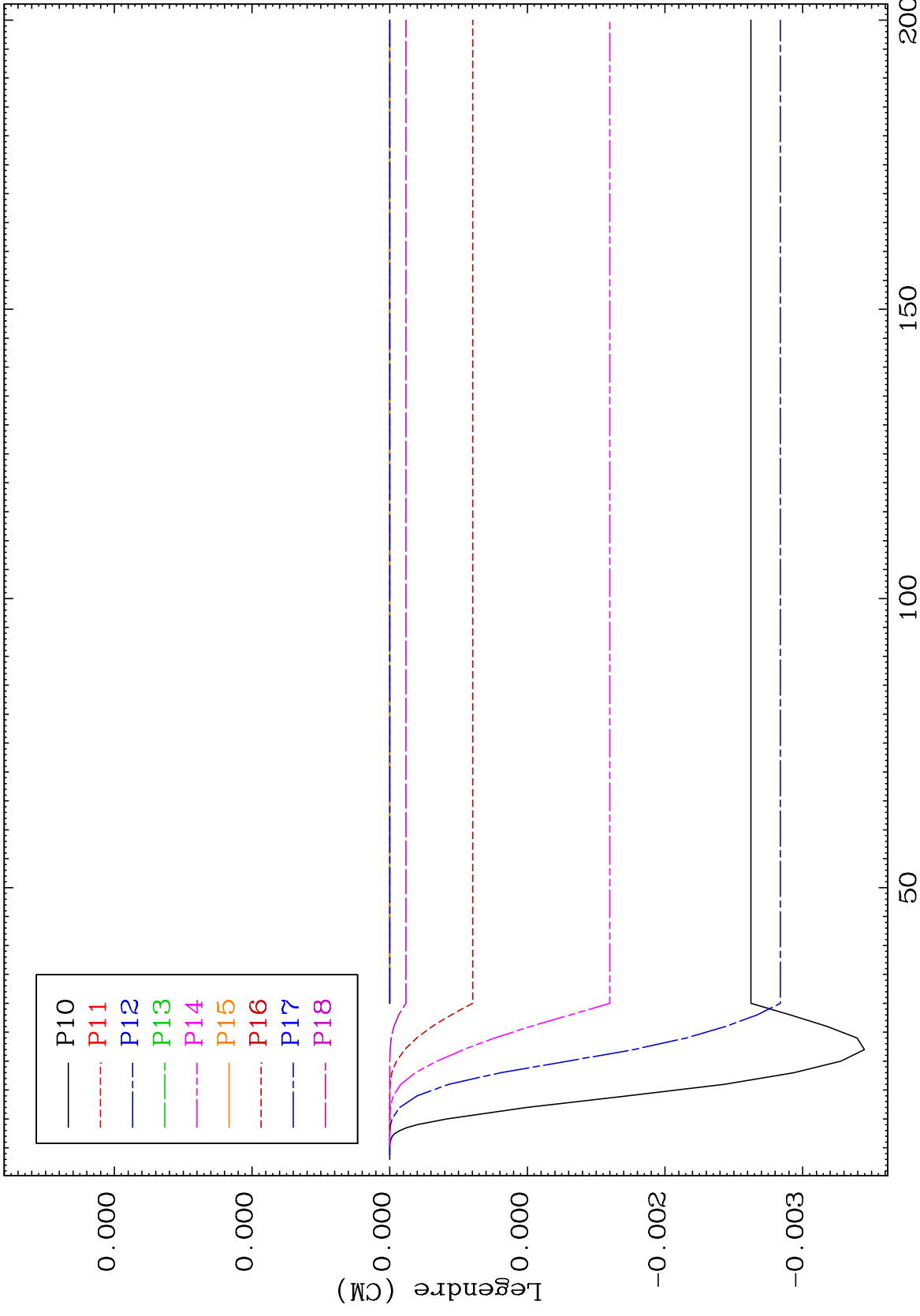
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



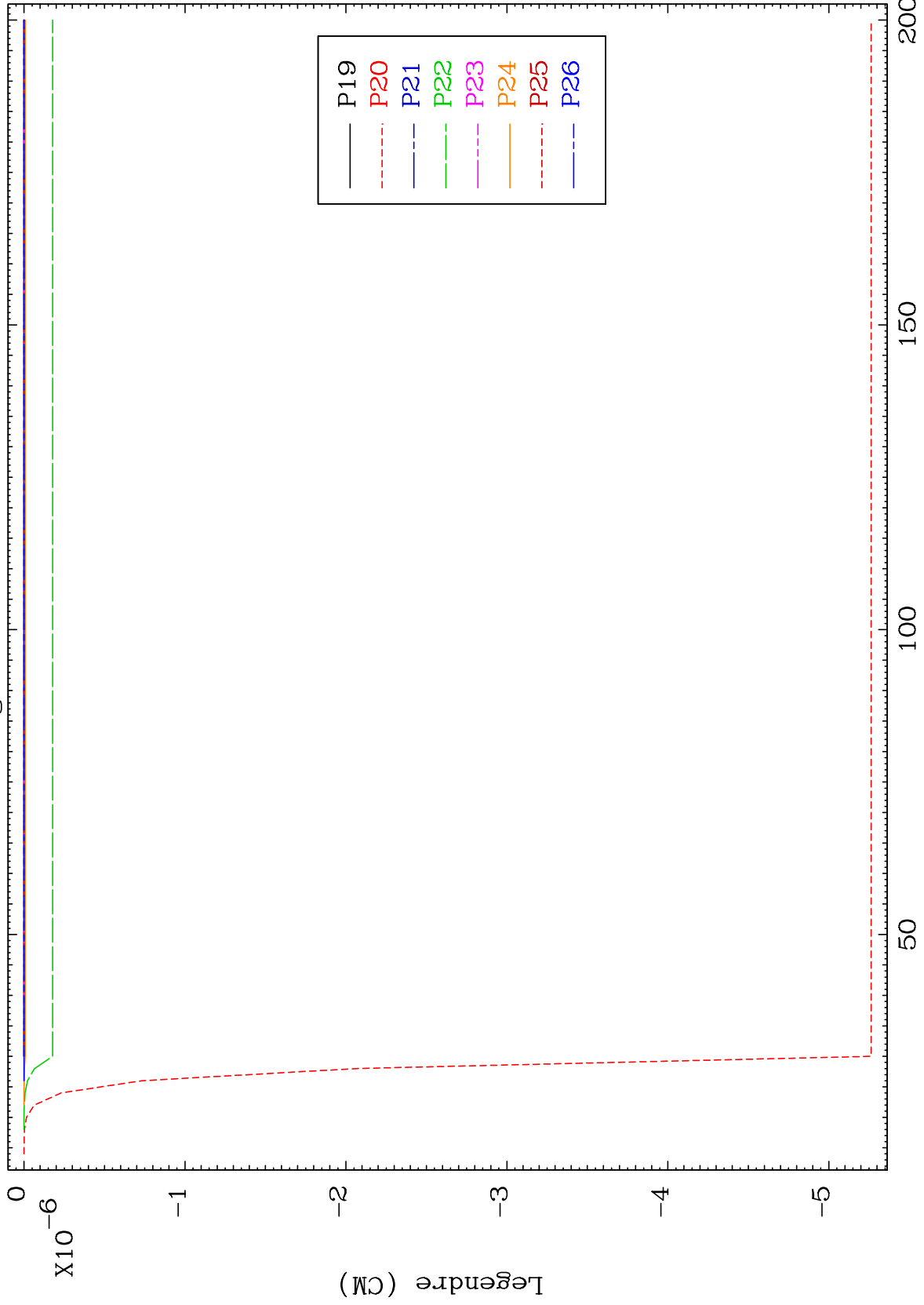
76

62-Sm-144

MAT 6225

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

62-Sm-144

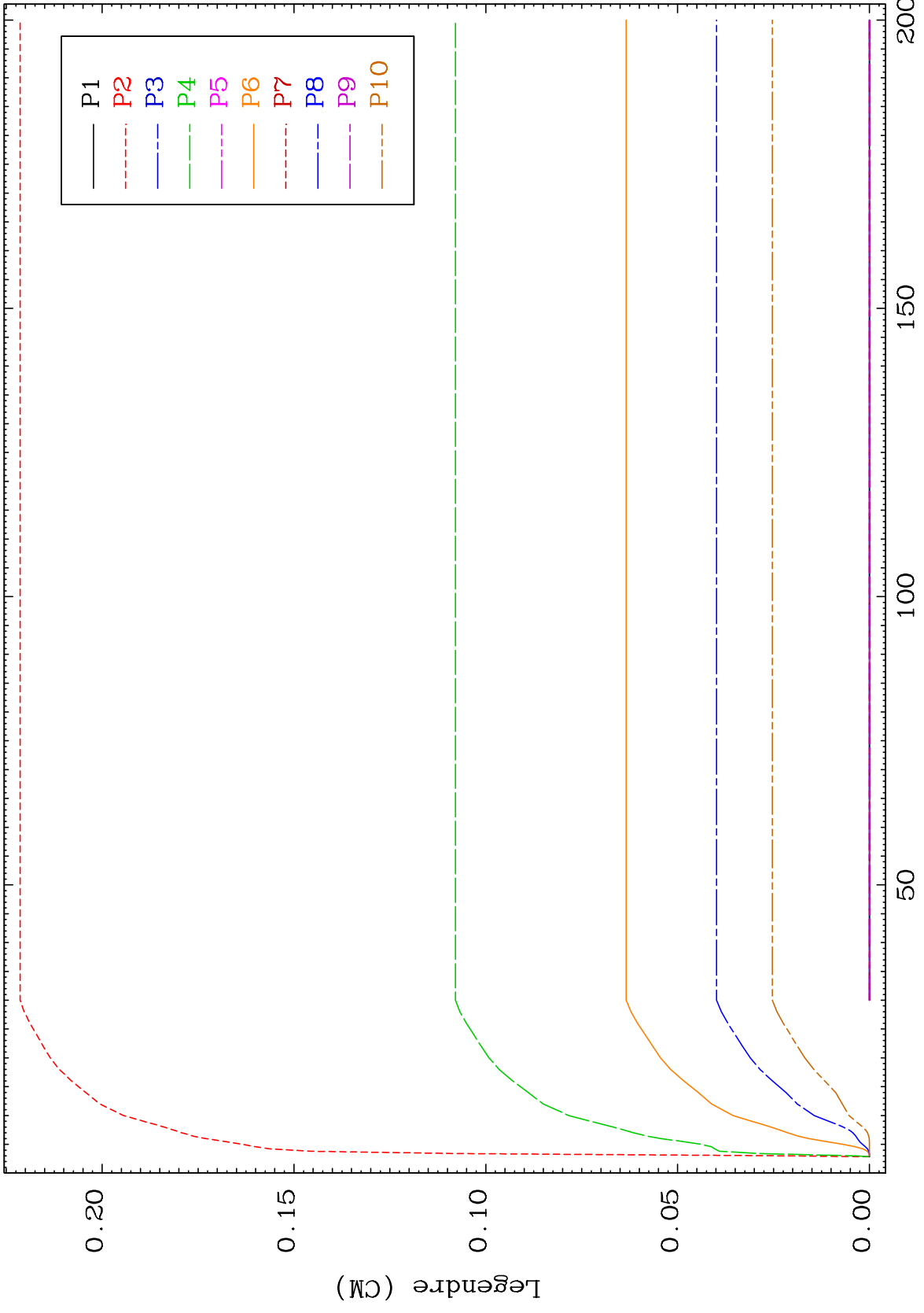


62-Sm-144

Incident Energy (MeV)

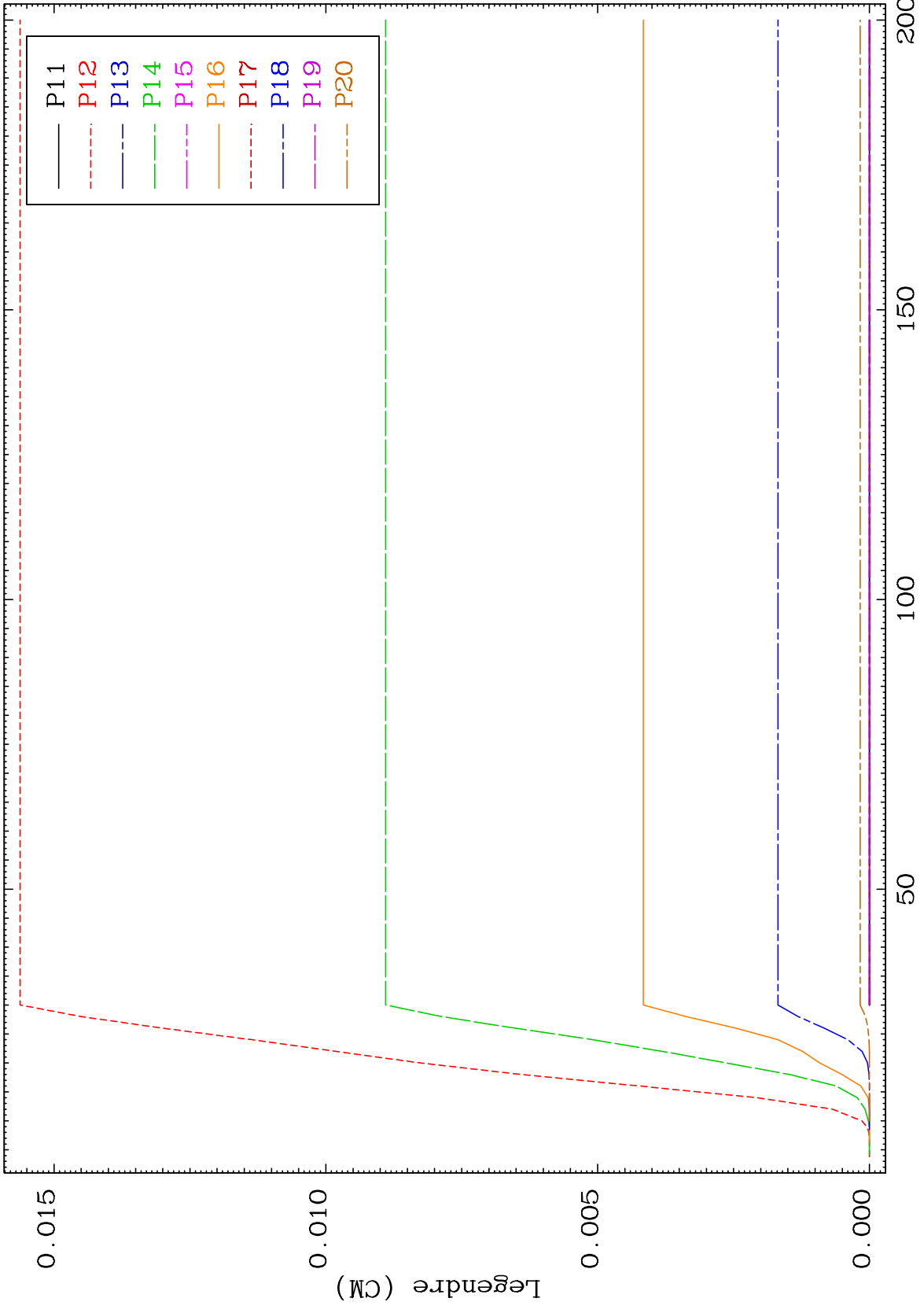
77

MAT 6225 MT= 67 (n,n') Level Legendre Coefficients 62-Sm-144



78 62-Sm-144

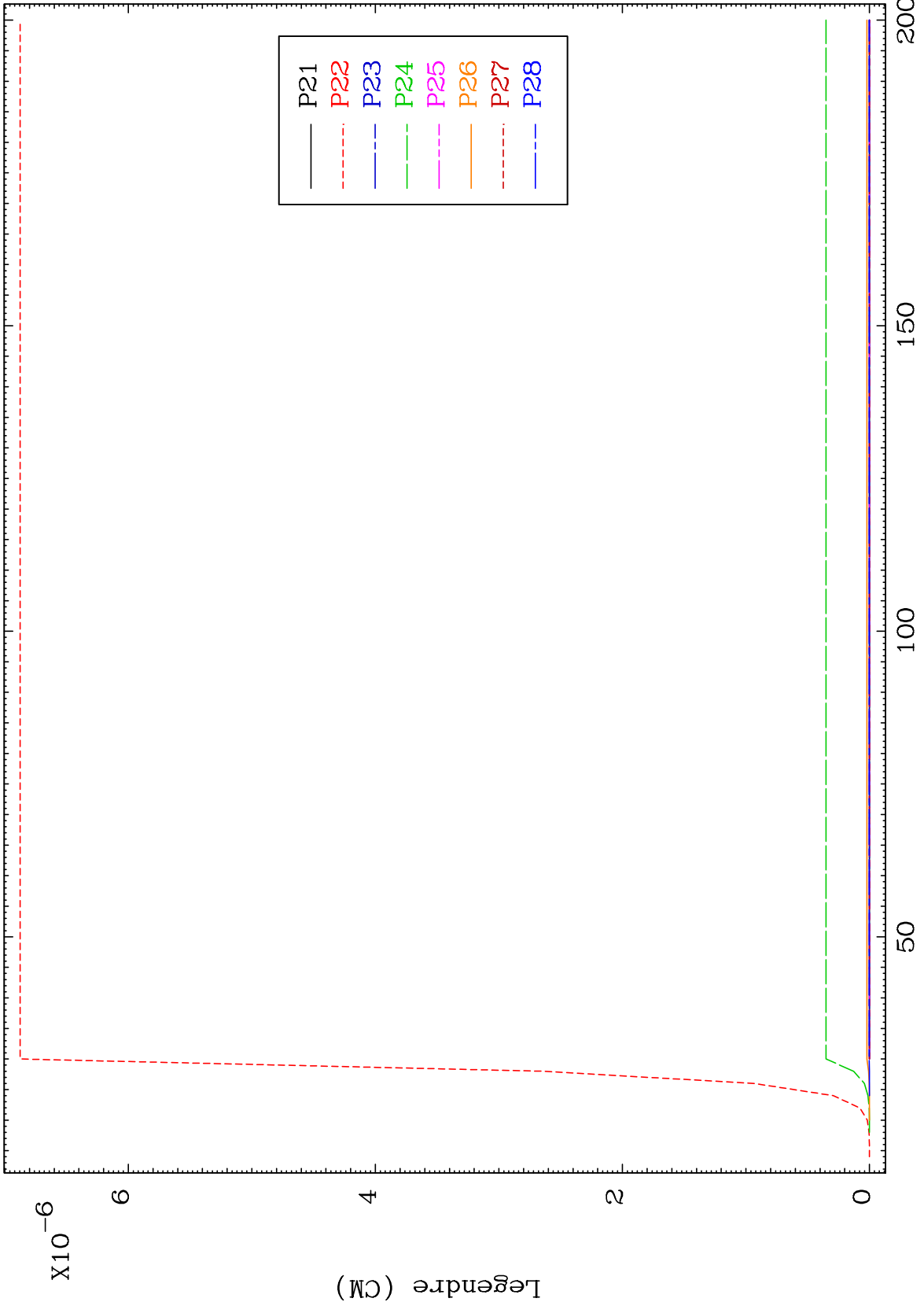
MAT 6225 MT= 67 (n,n') Level Legendre Coefficients 62-Sm-144



79 Incident Energy (MeV) 62-Sm-144



MAT 6225 MT= 67 (n,n') Level Legendre Coefficients 62-Sm-144

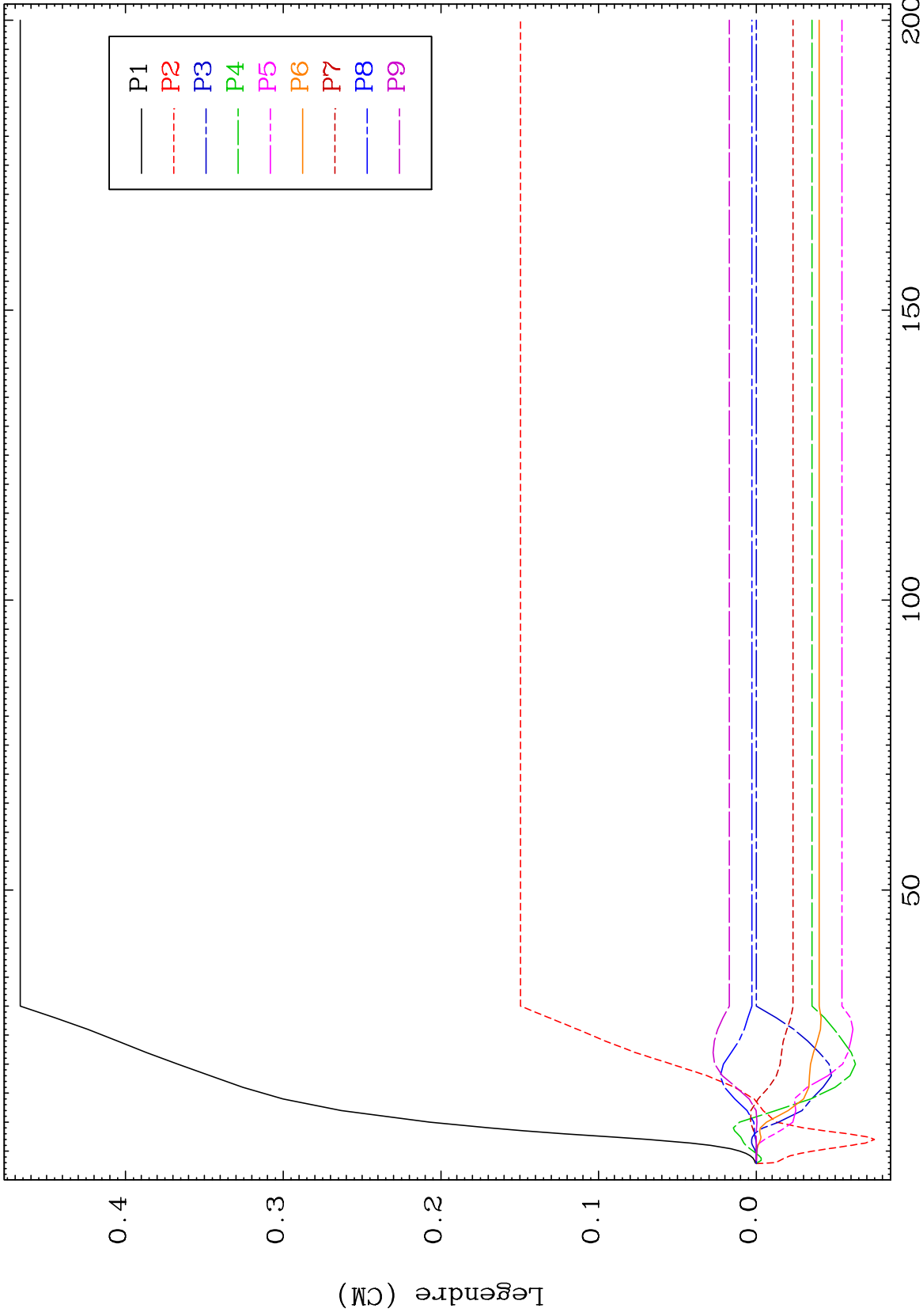


80 50 100 150 200 62-Sm-144

MAT 6225

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

62-Sm-144



81

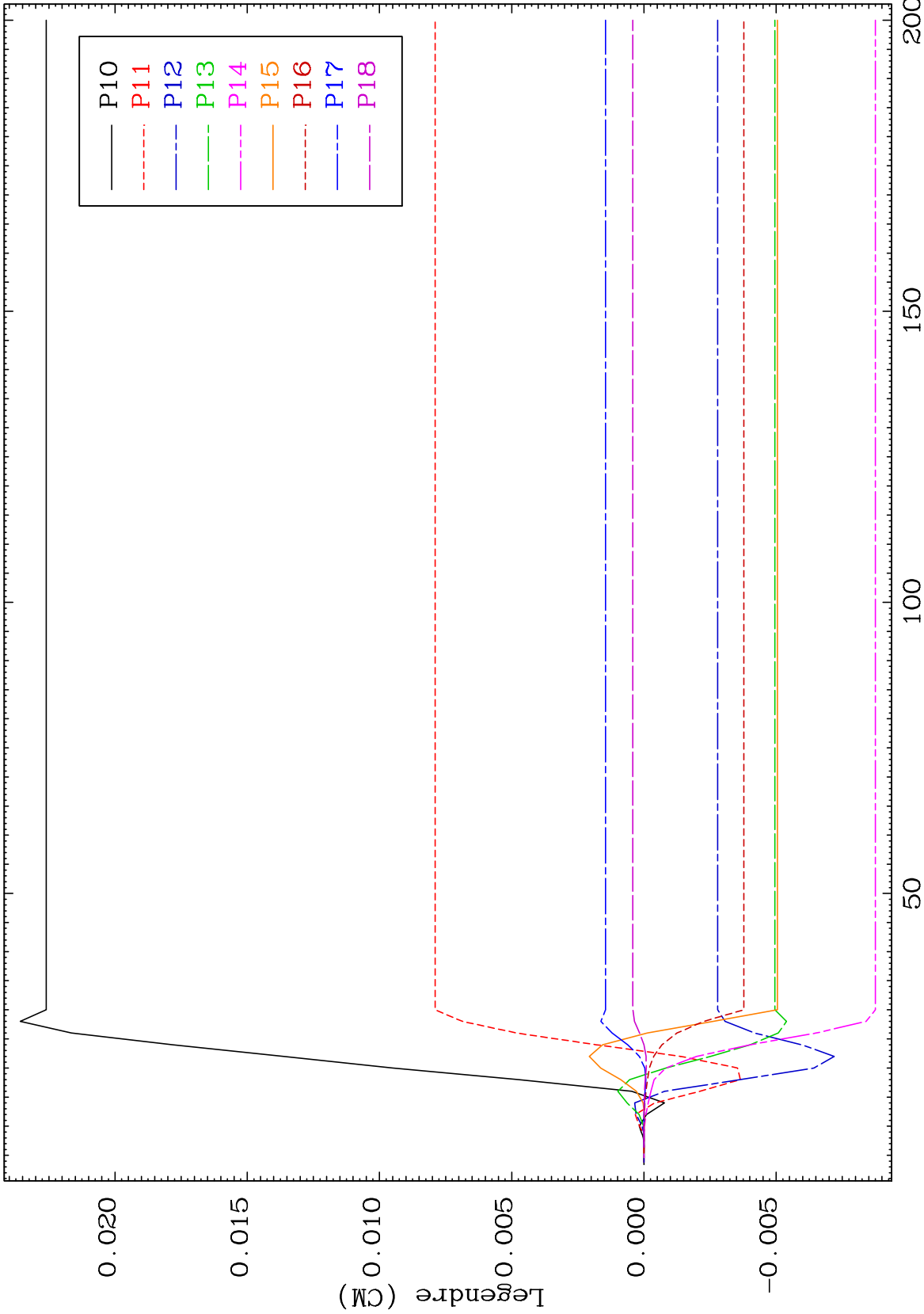
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



82

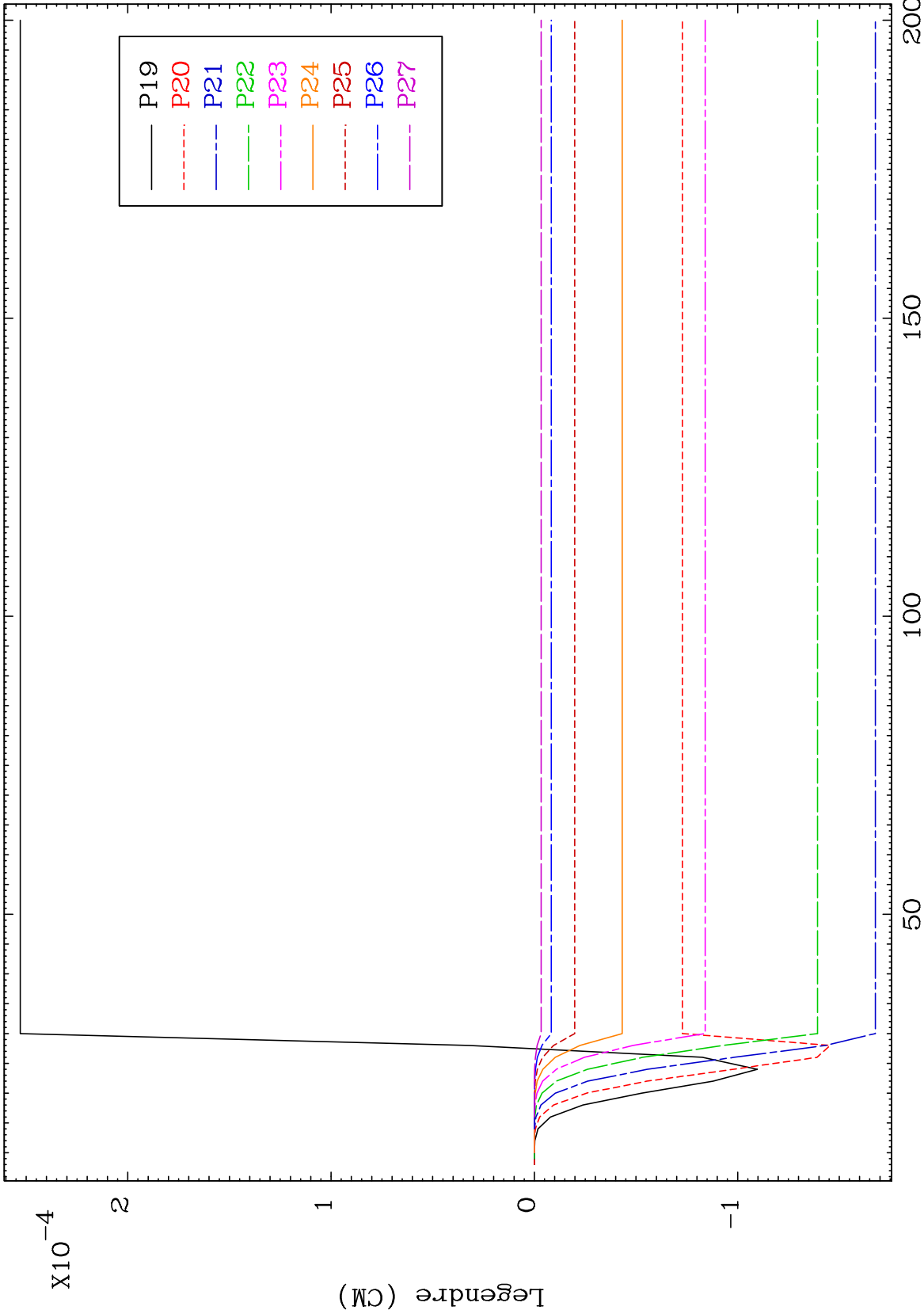
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



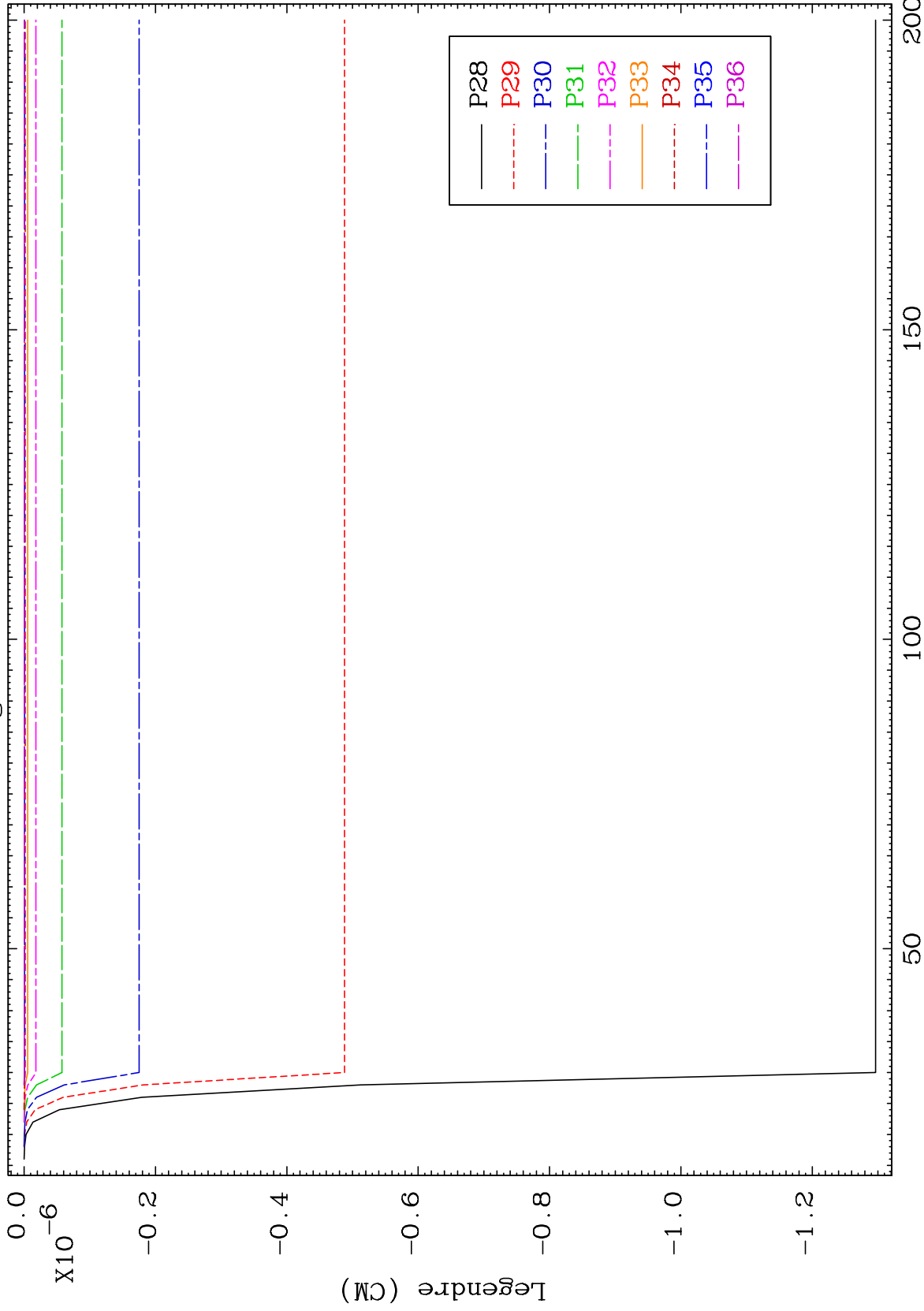
83

62-Sm-144

MAT 6225

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

62-Sm-144

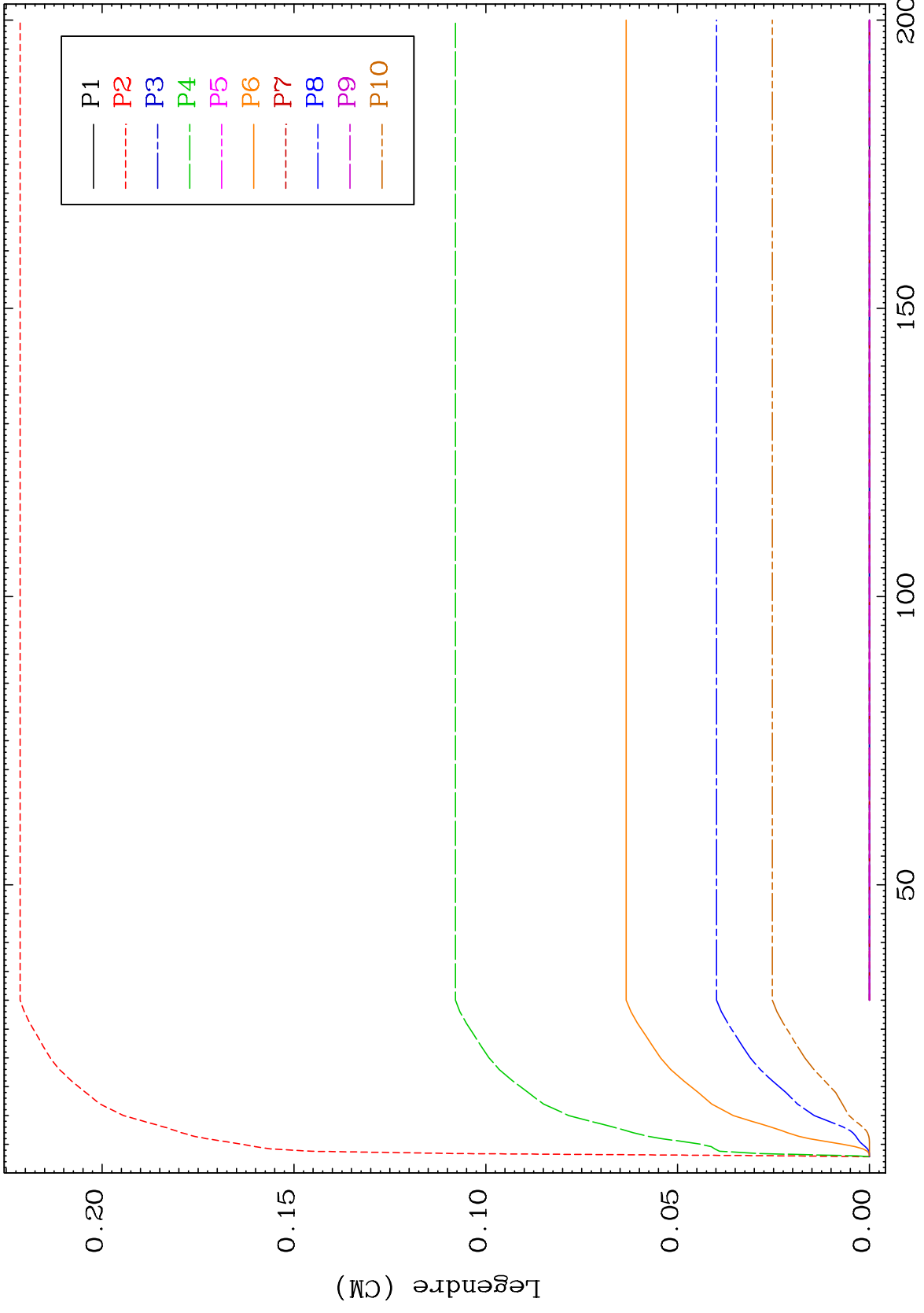


62-Sm-144

Incident Energy (MeV)

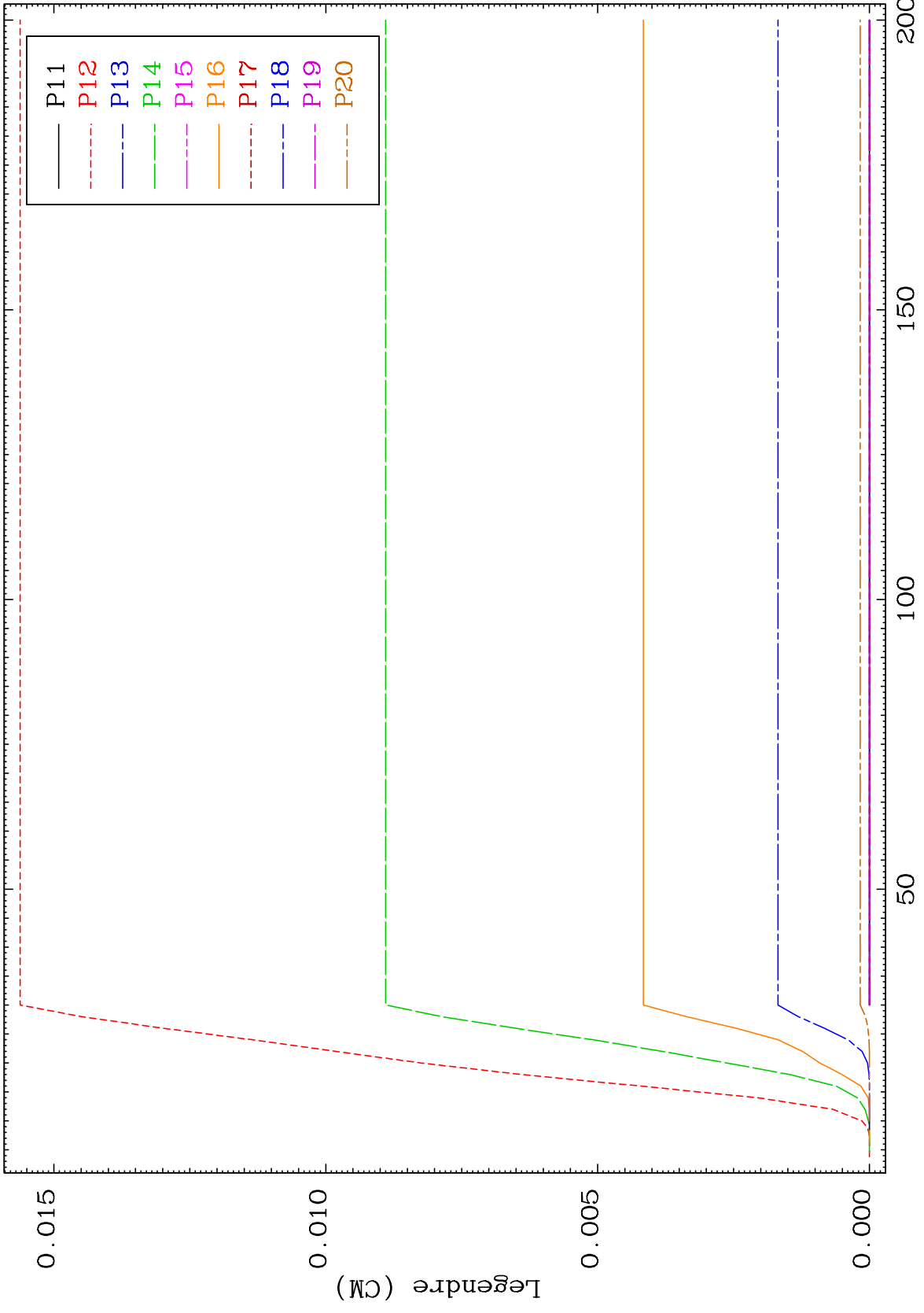
84

MAT 6225 MT= 69 (n,n') Level Legendre Coefficients 62-Sm-144



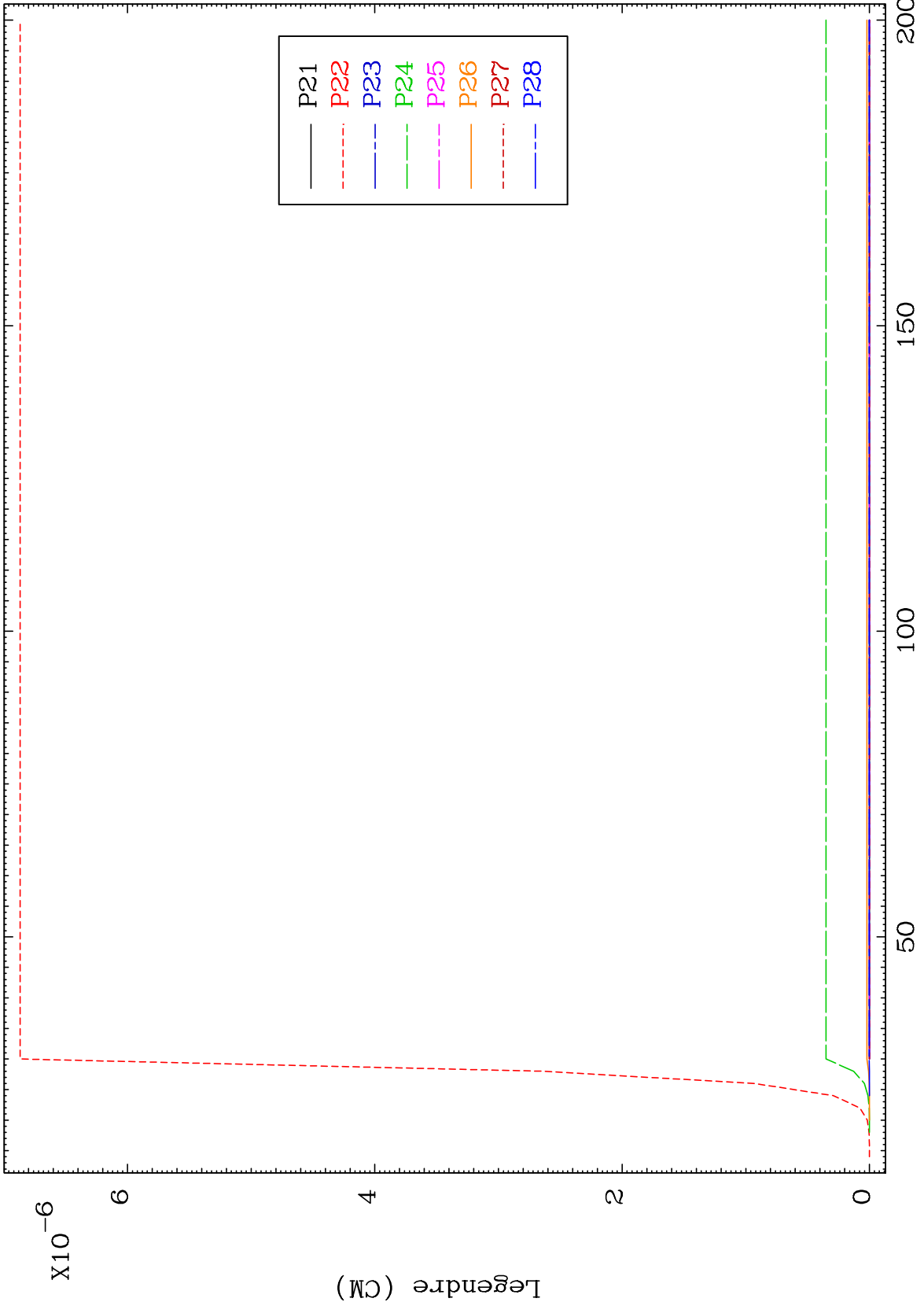
85 50 100 150 200 62-Sm-144

MAT 6225 MT= 69 (n,n') Level Legendre Coefficients 62-Sm-144



86 Incident Energy (MeV) 62-Sm-144

MAT 6225 MT= 69 (n,n') Level Legendre Coefficients 62-Sm-144



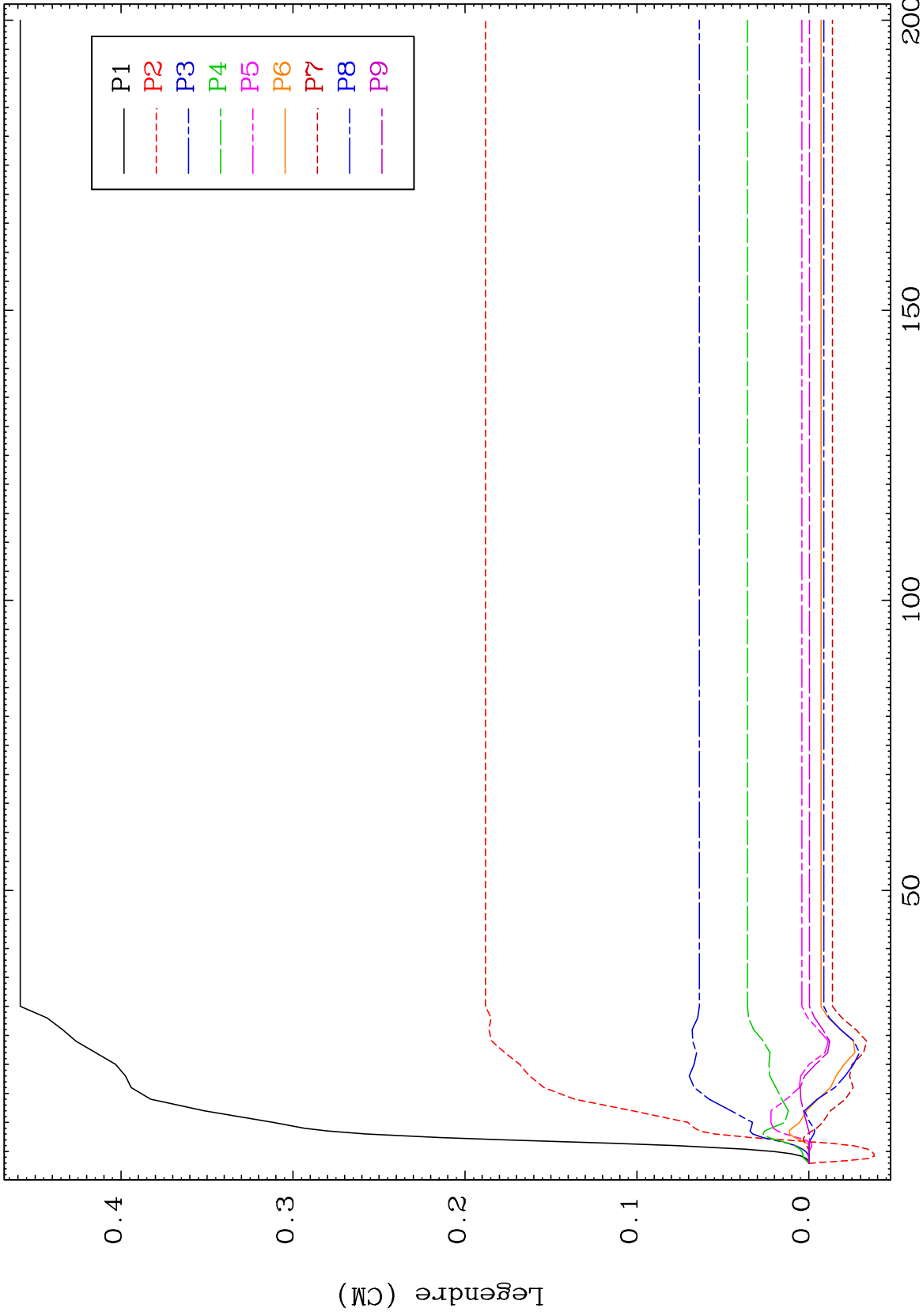
87 62-Sm-144



MAT 6225

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

62-Sm-144



88

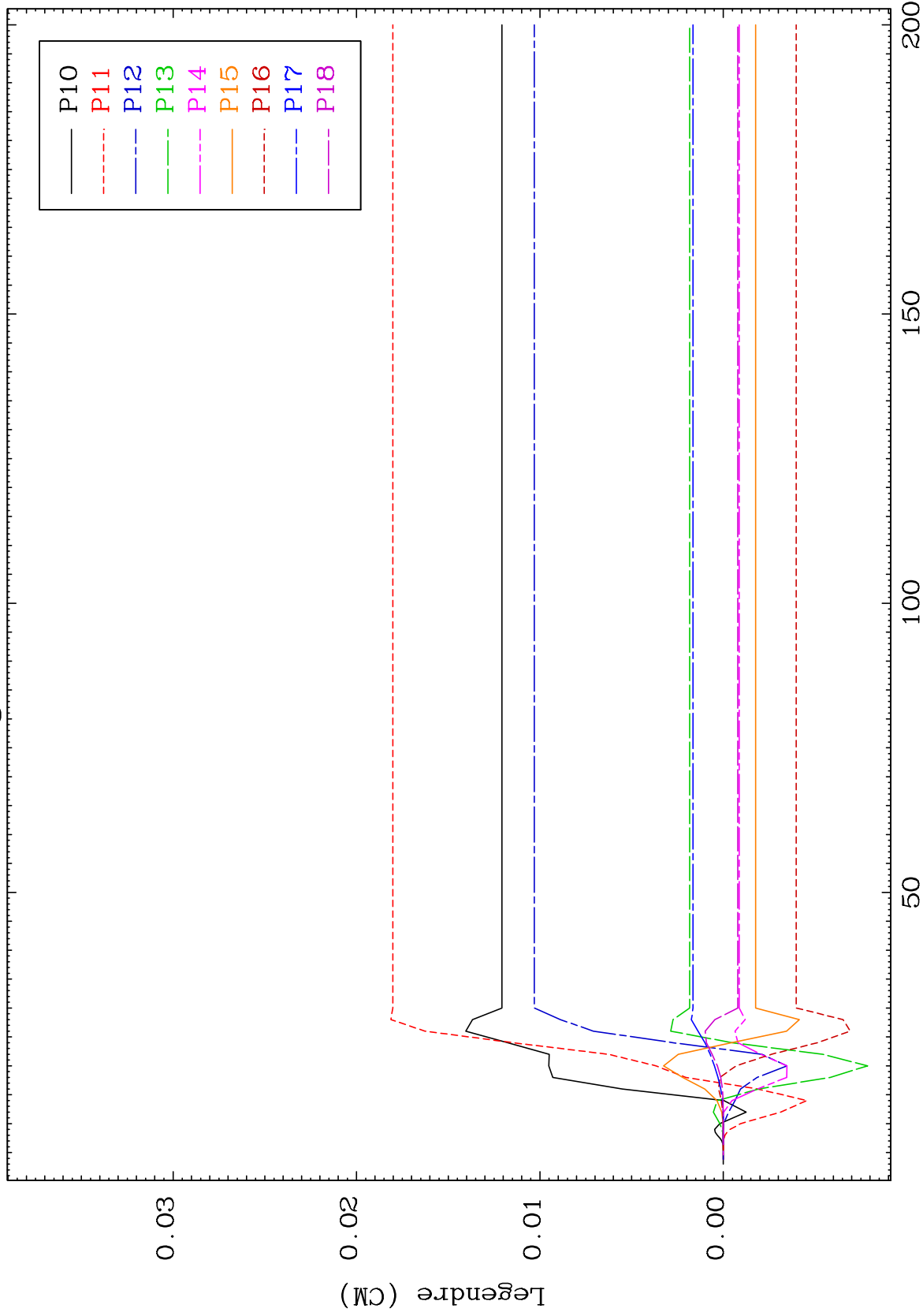
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



89

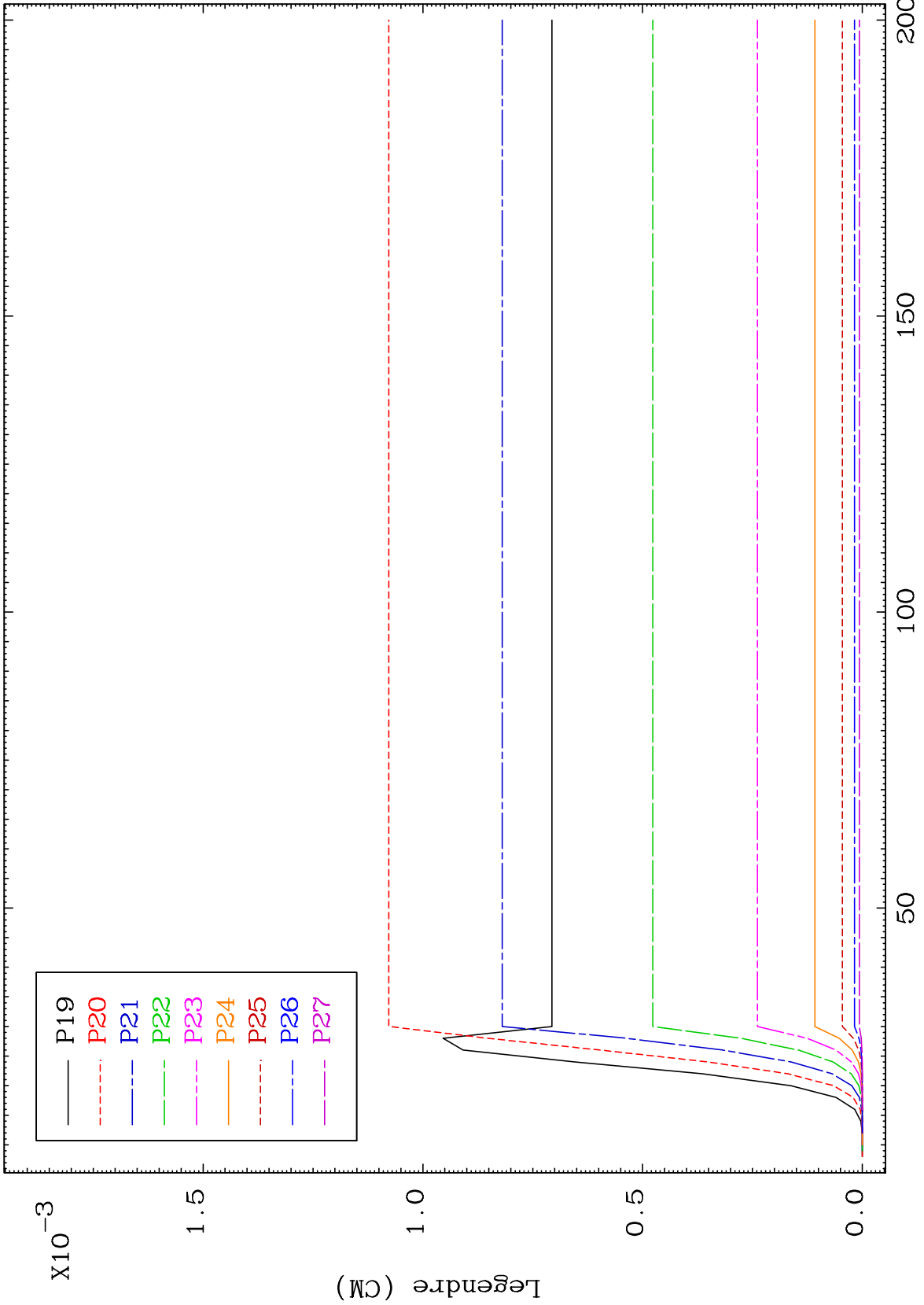
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



90

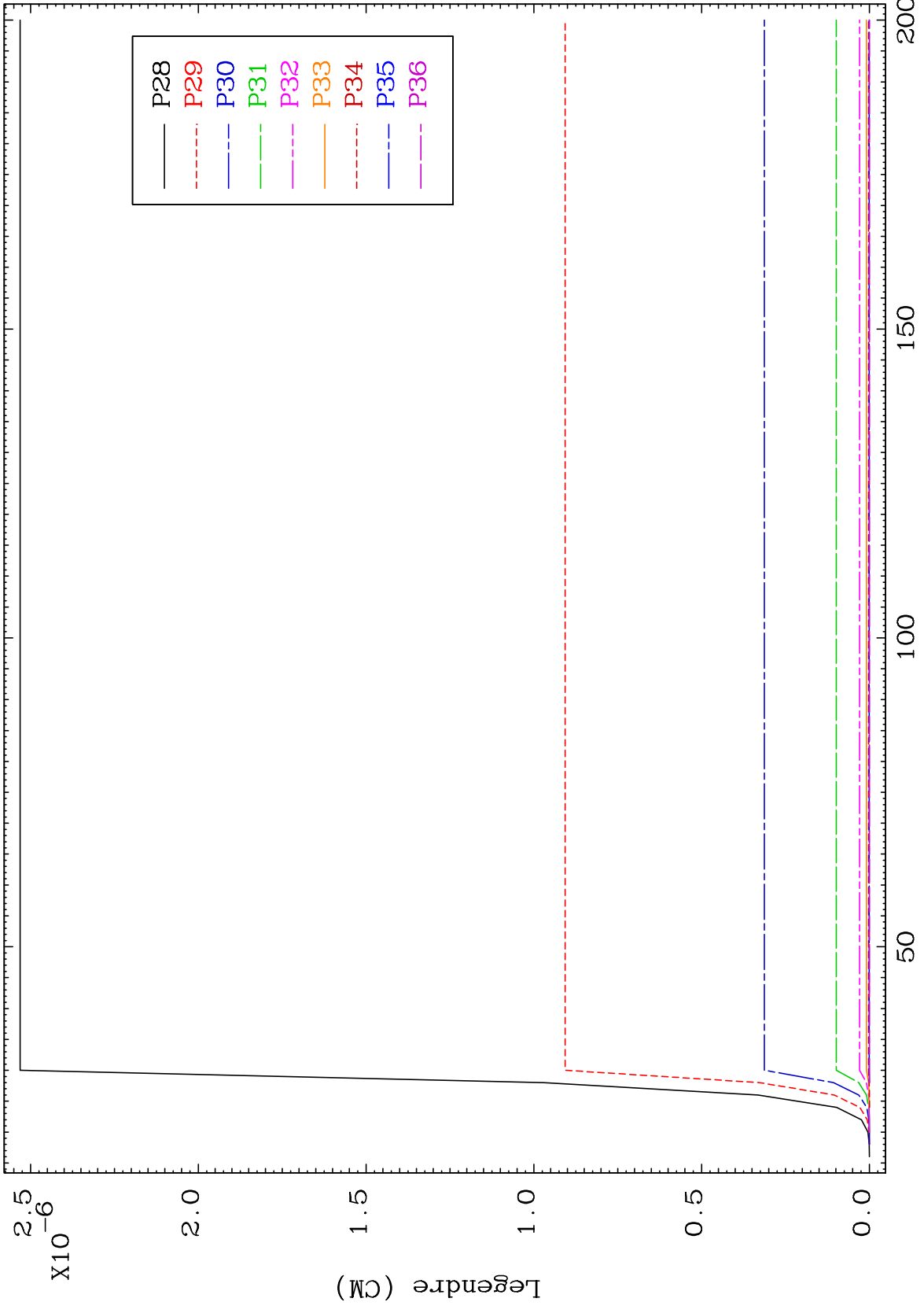
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



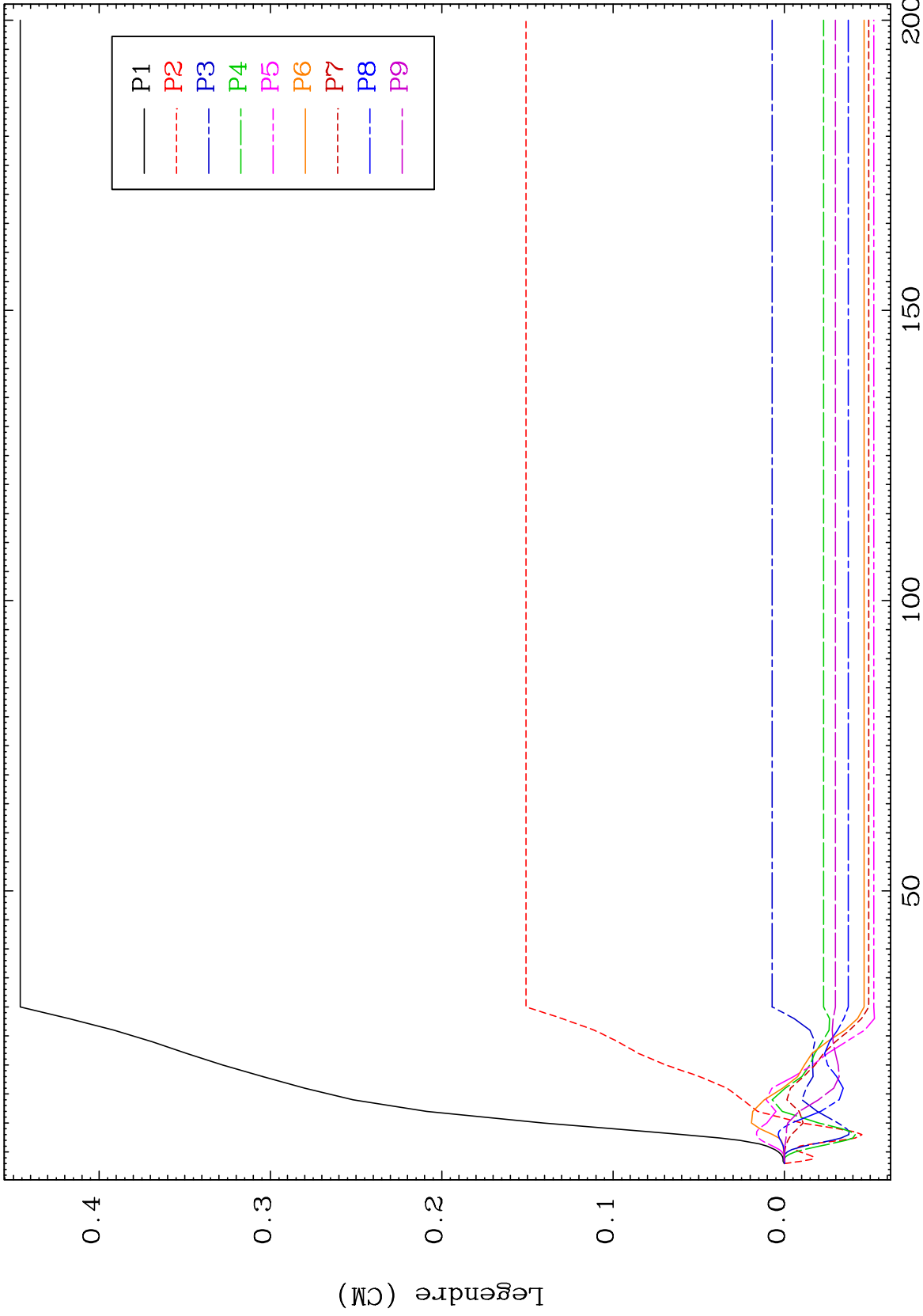
91

62-Sm-144

MAT 6225

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

62-Sm-144



92

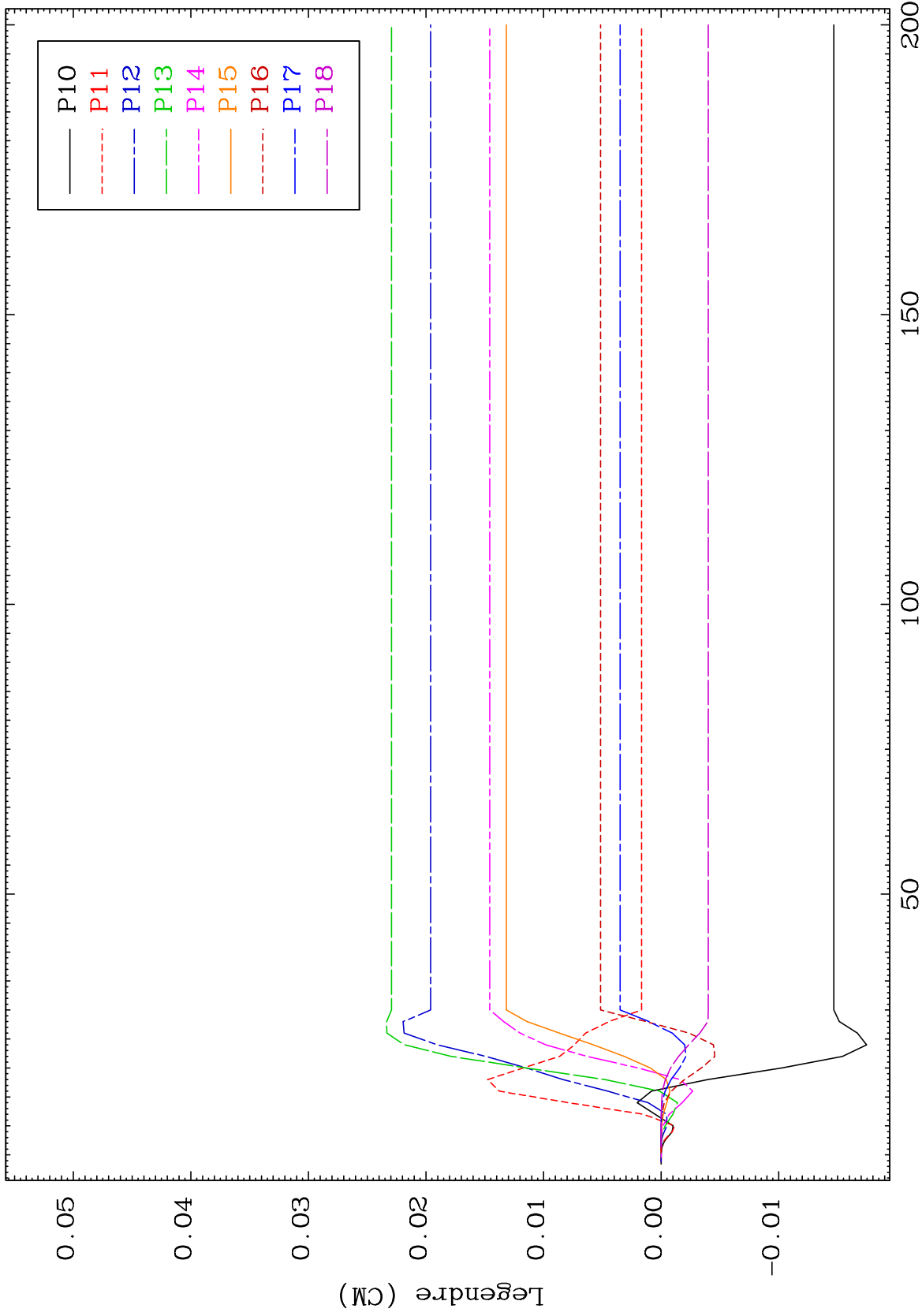
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



93

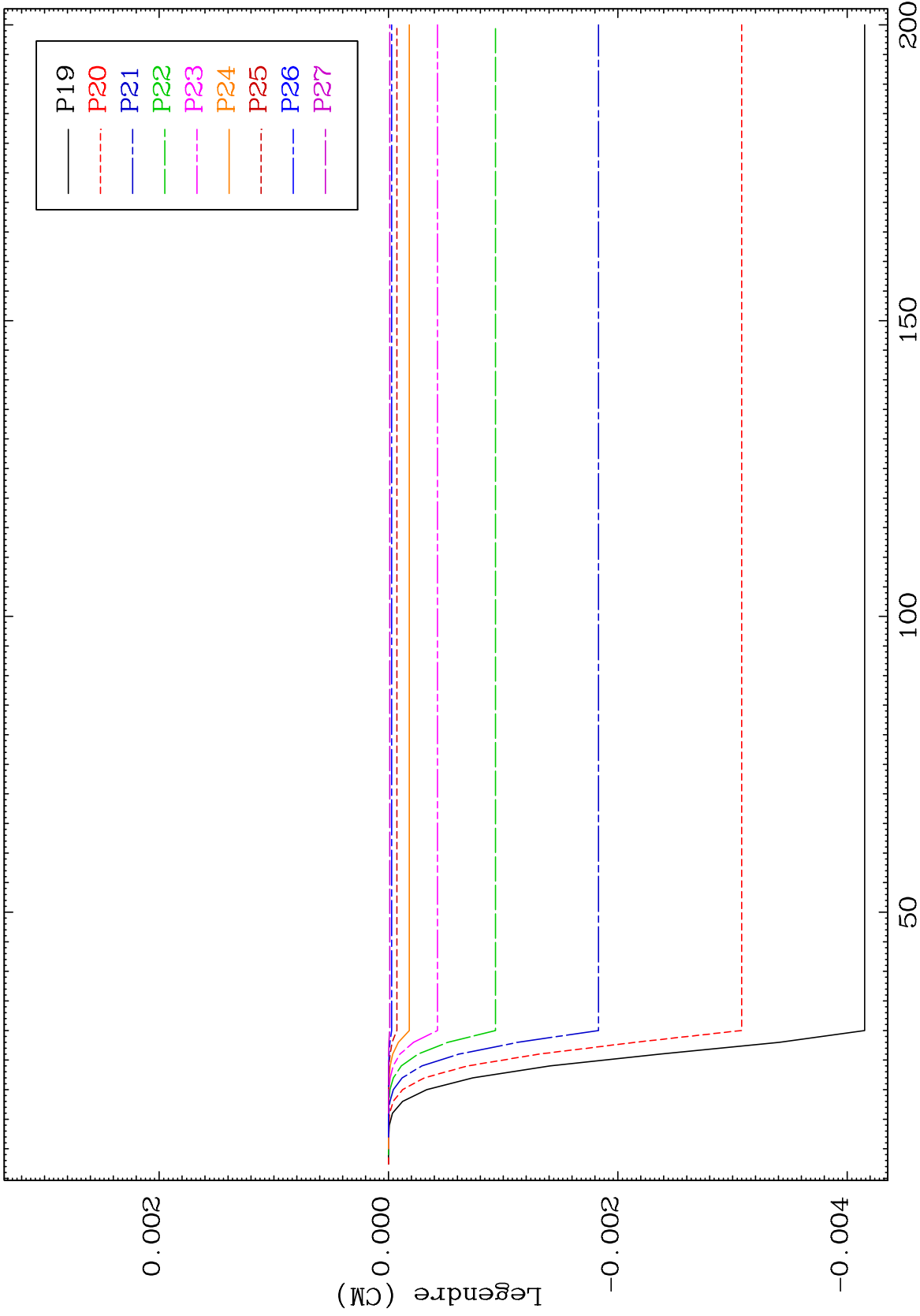
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



94

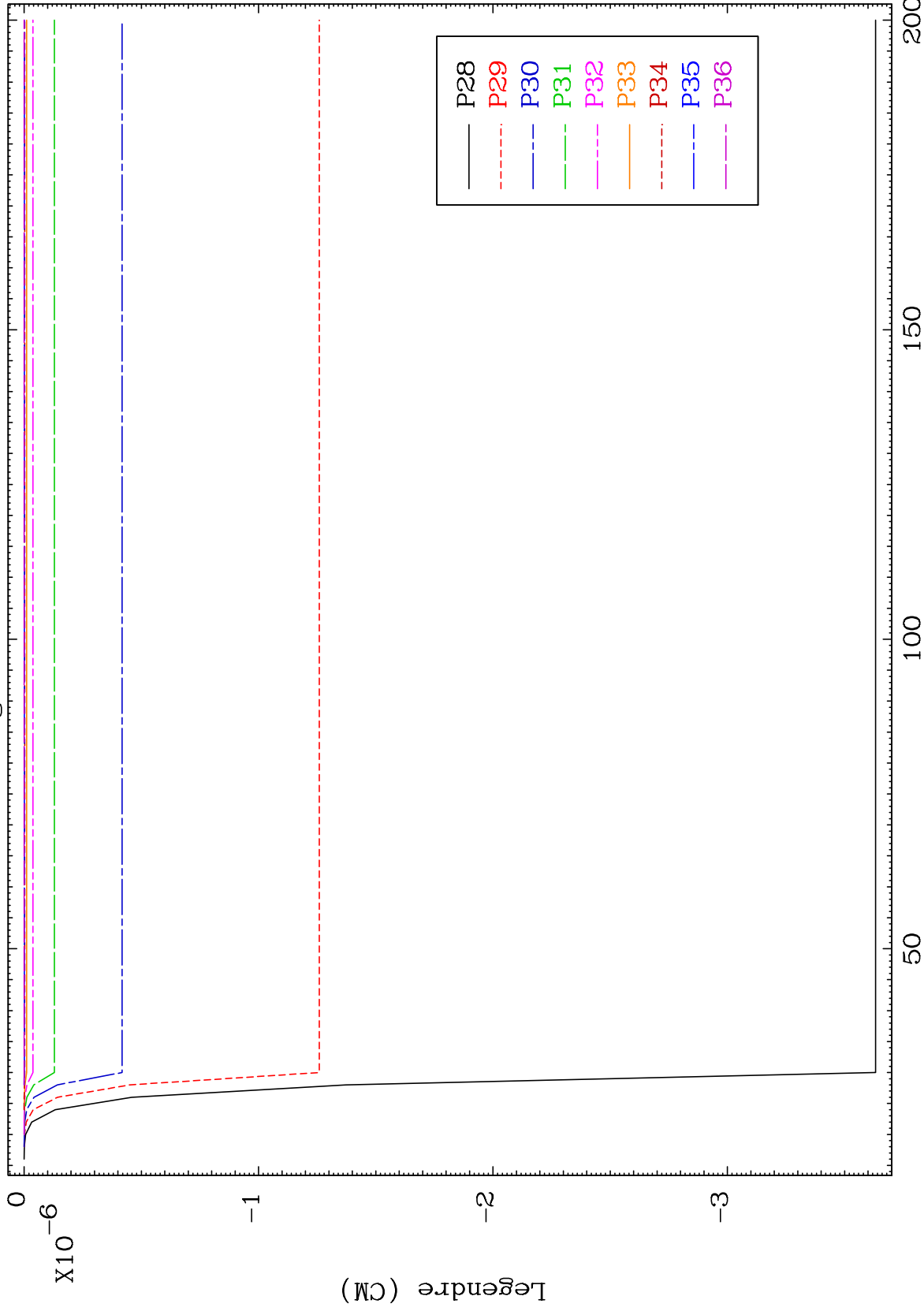
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



62-Sm-144

Incident Energy (MeV)

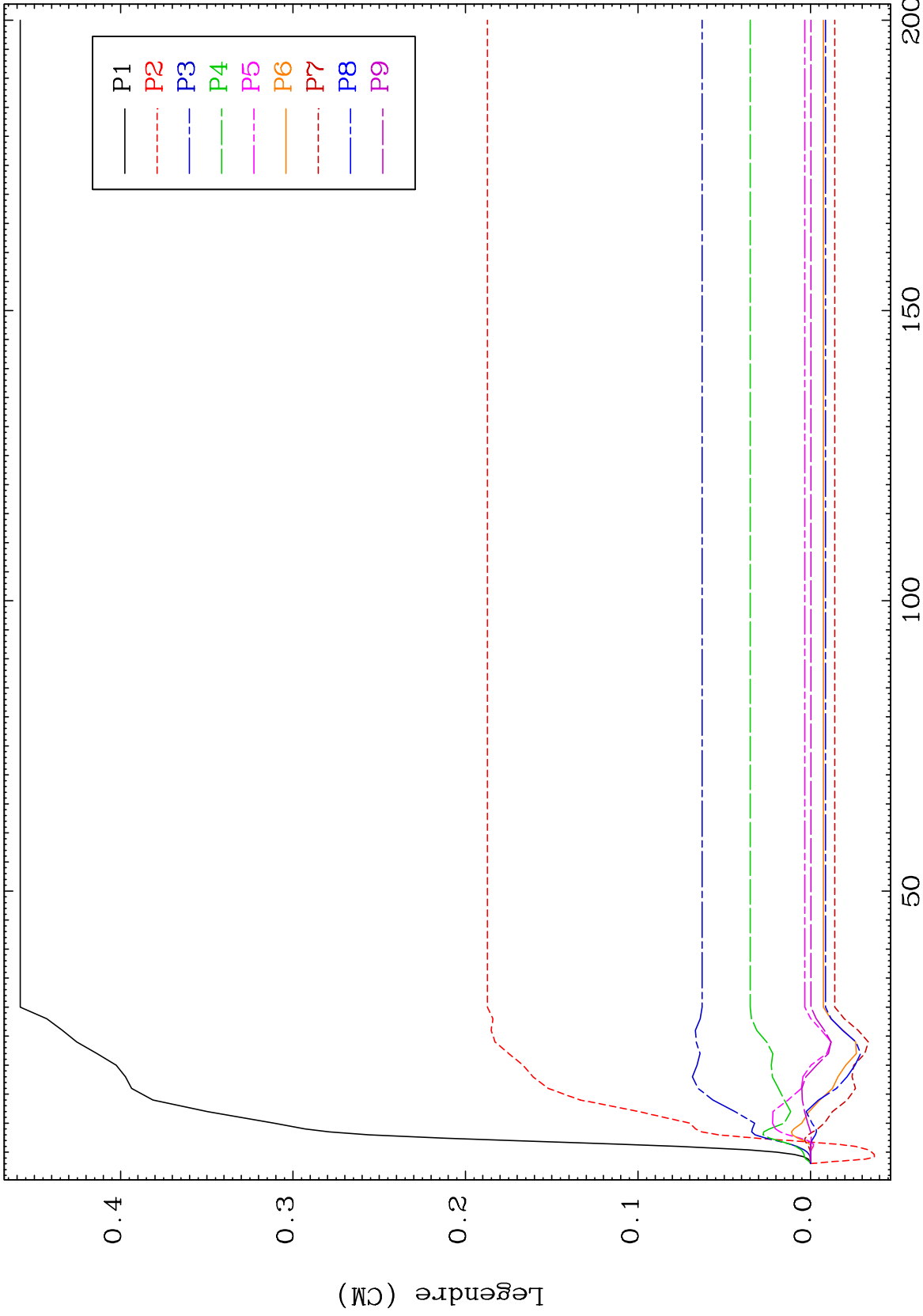
95



MAT 6225

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

62-Sm-144



96

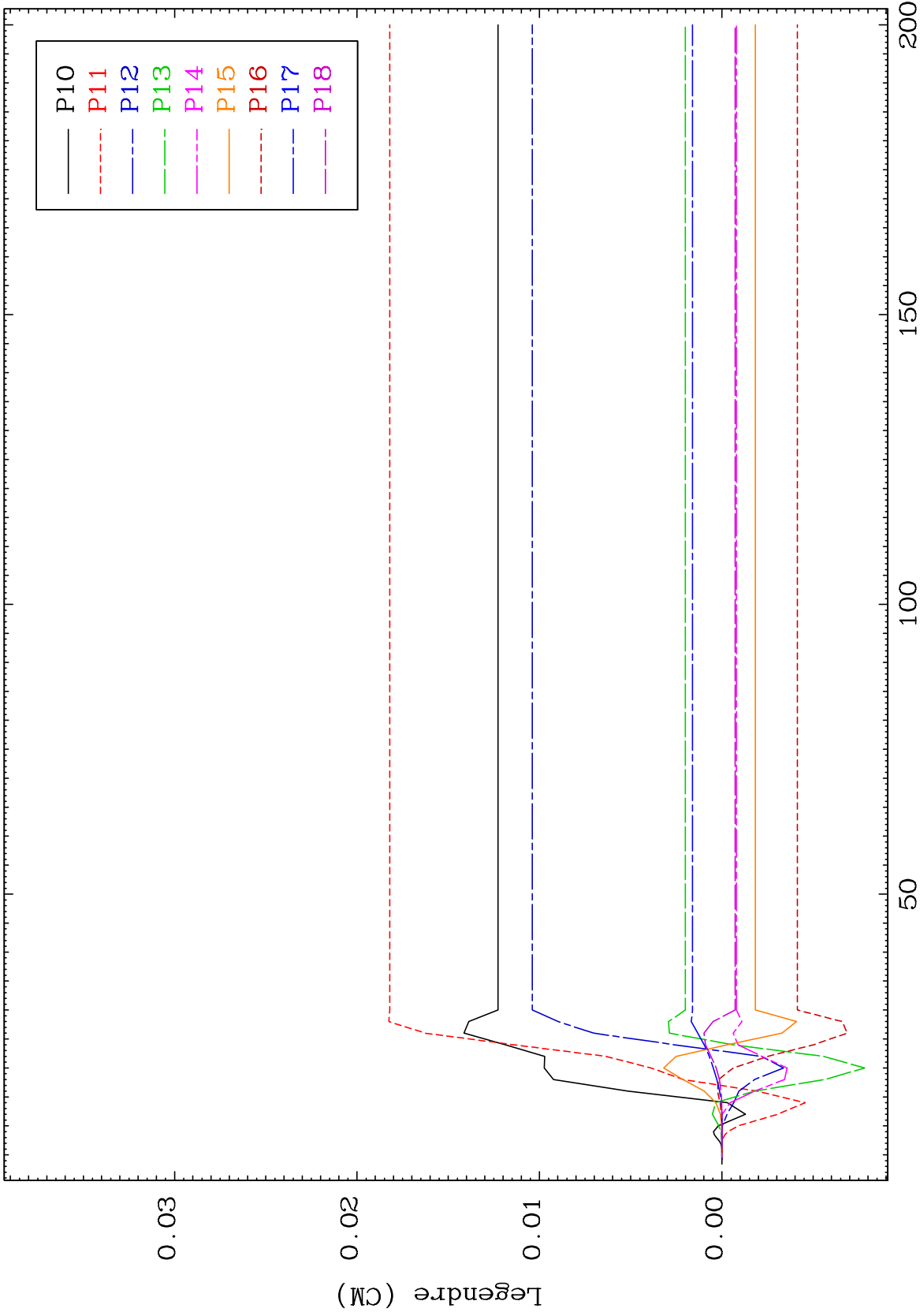
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



97

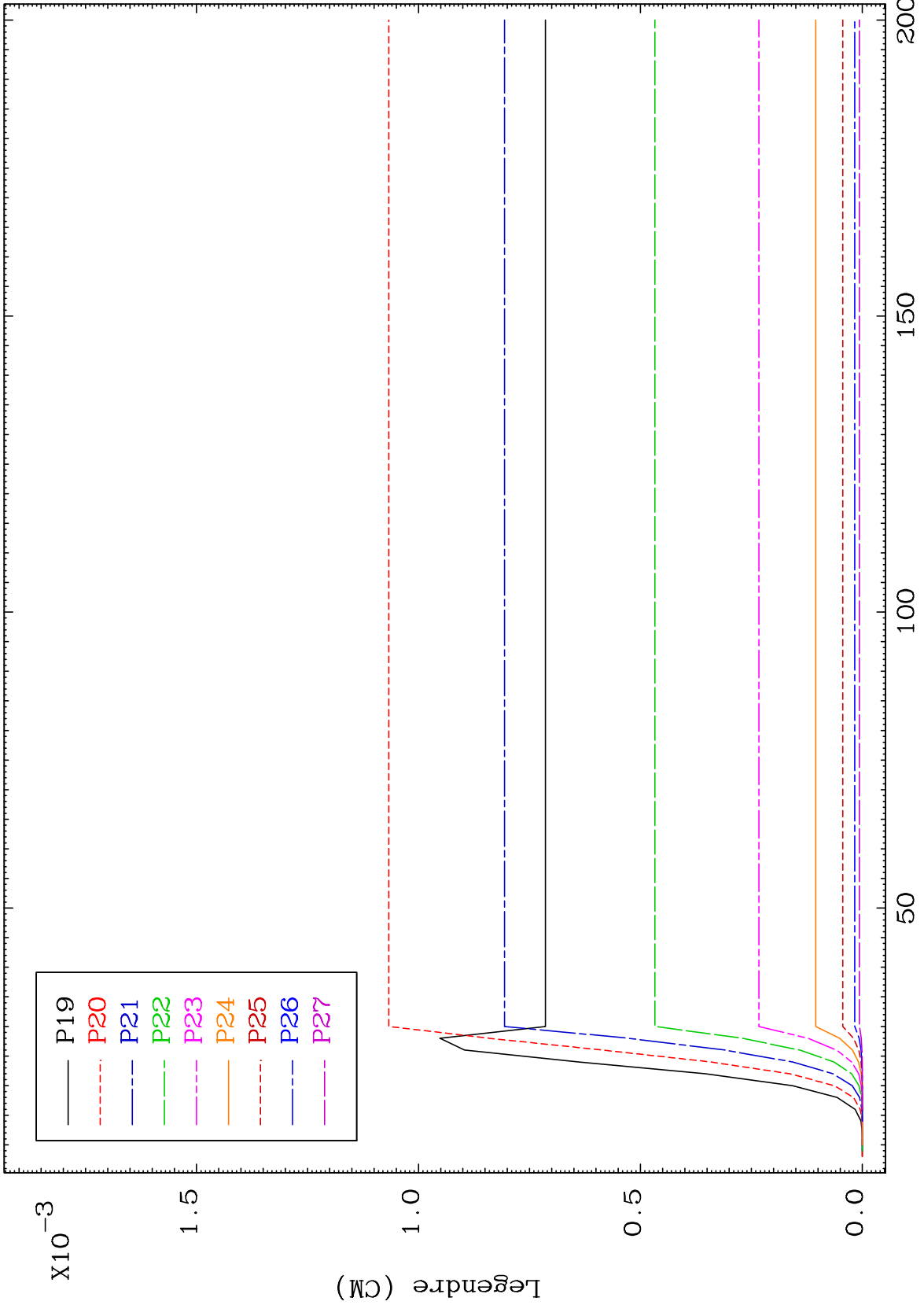
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



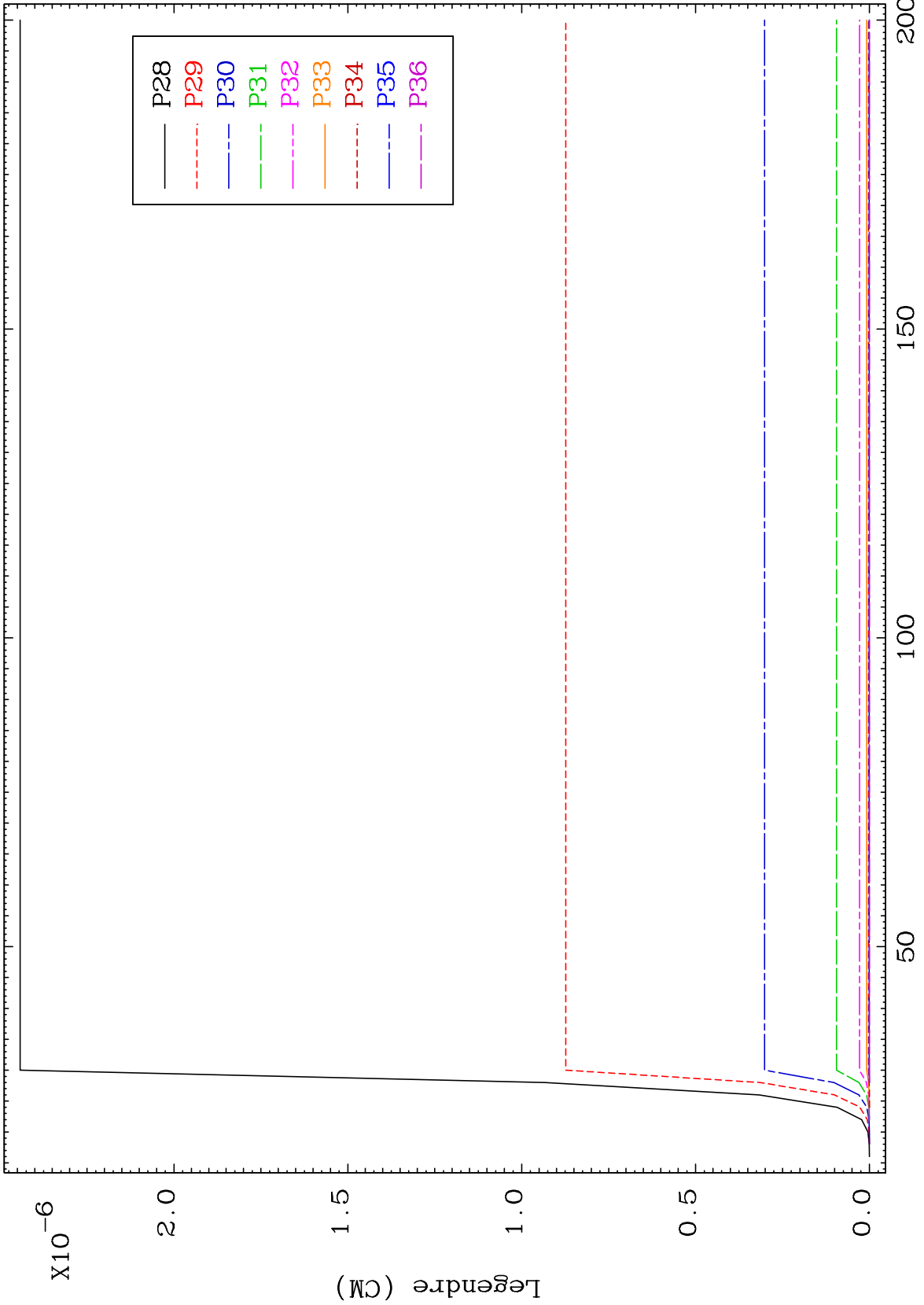
98

62-Sm-144

MAT 6225

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

62-Sm-144



99

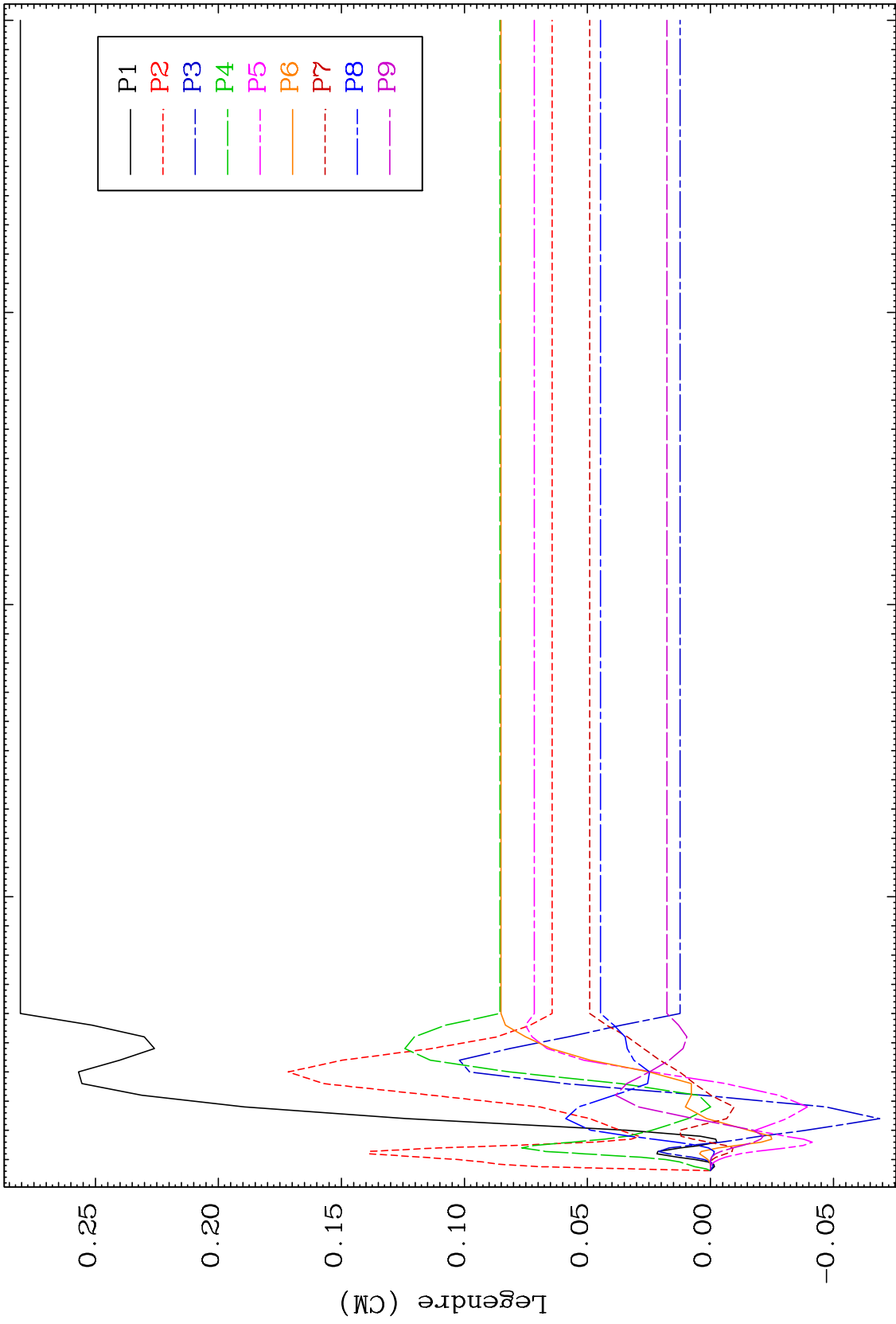
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



62-Sm-144

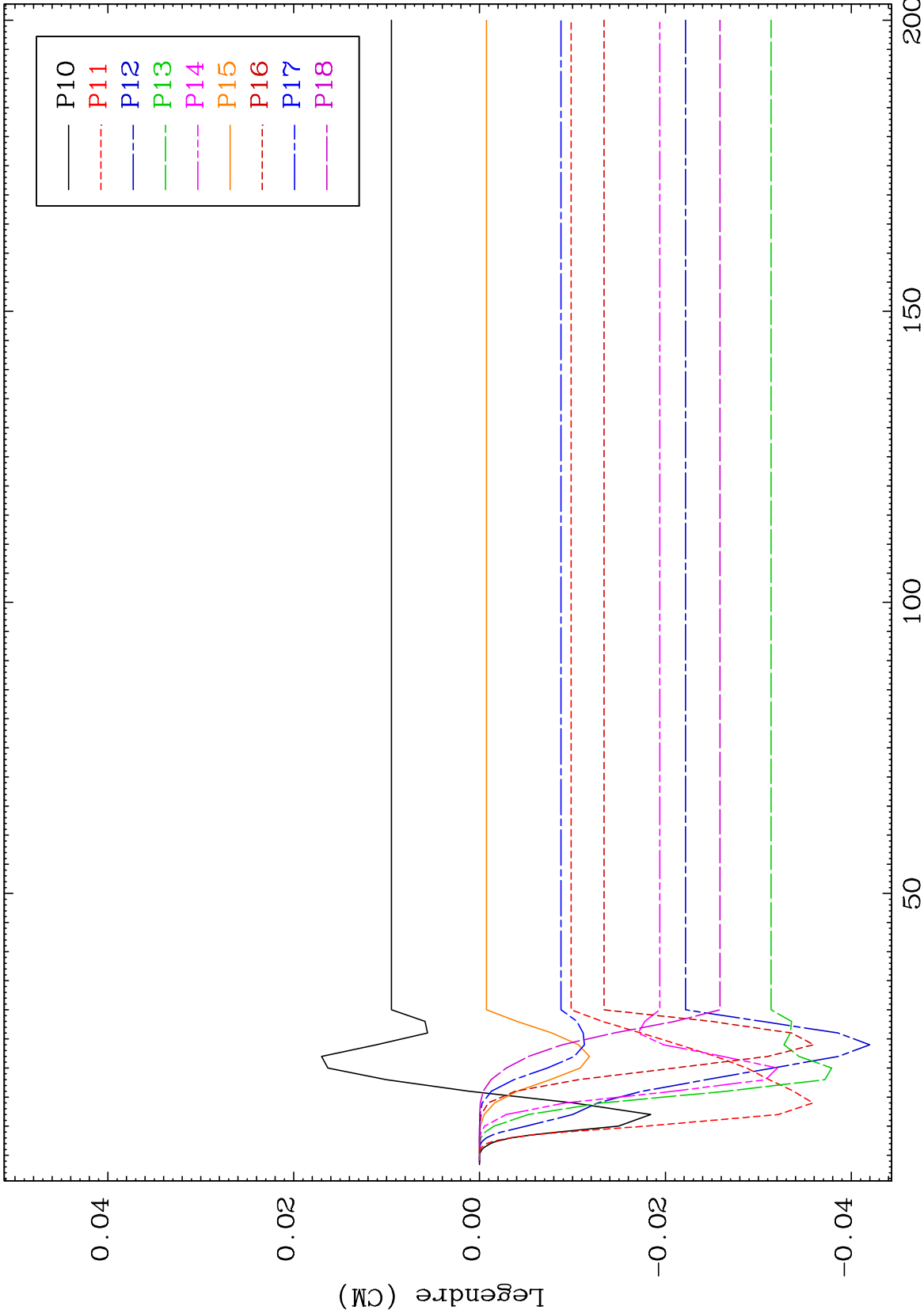
Incident Energy (MeV)

Legendre (CM)

MAT 6225

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

62-Sm-144

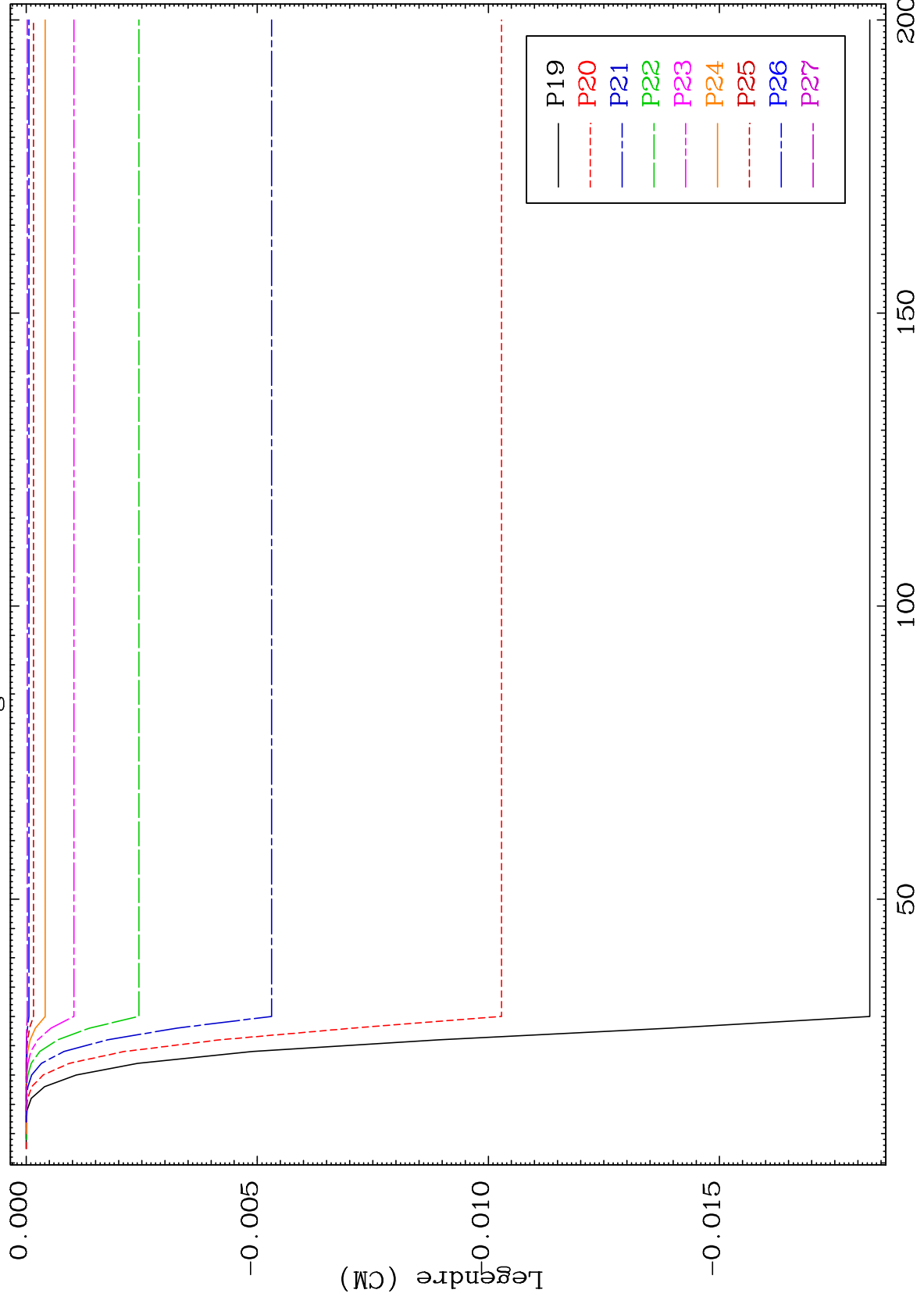


101

Incident Energy (MeV)

62-Sm-144

MAT 6225 MT= 73 (n,n') Level Legendre Coefficients 62-Sm-144



102 62-Sm-144

MAT 6225

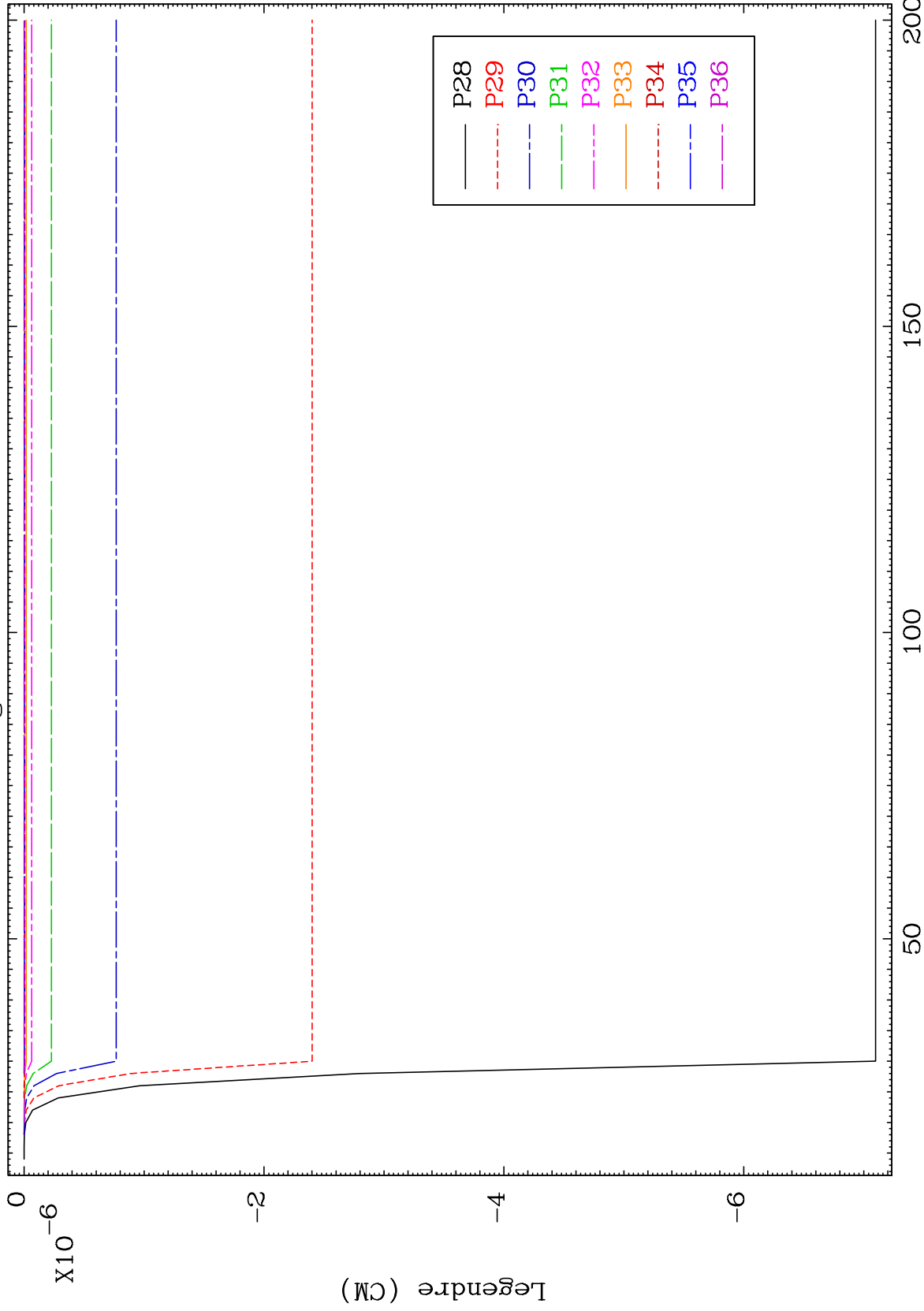
MT= 73 (n,n') Level  
Legendre Coefficients

62-Sm-144

62-Sm-144

Incident Energy (MeV)

103

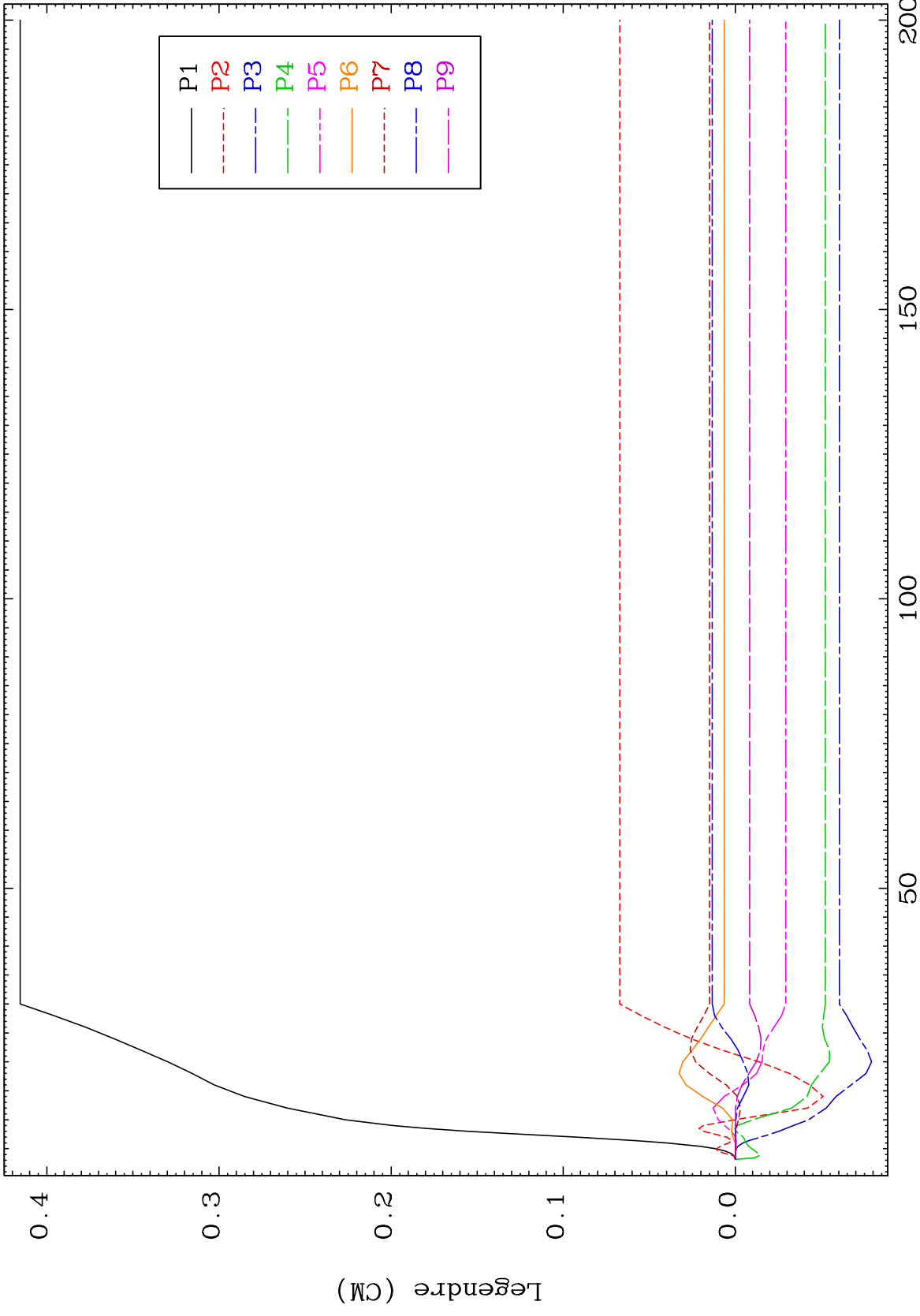




MAT 6225

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

62-Sm-144



104

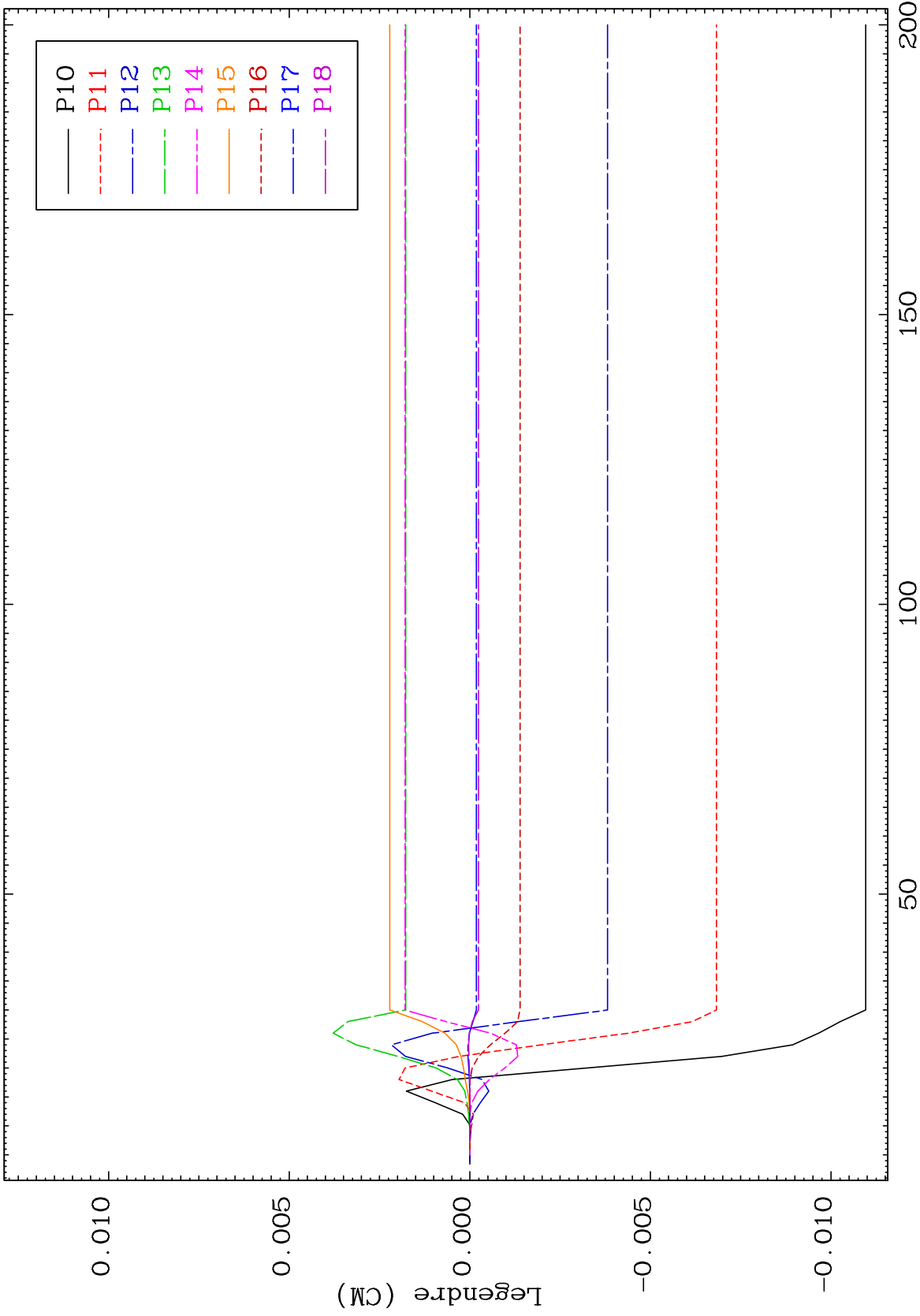
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



105

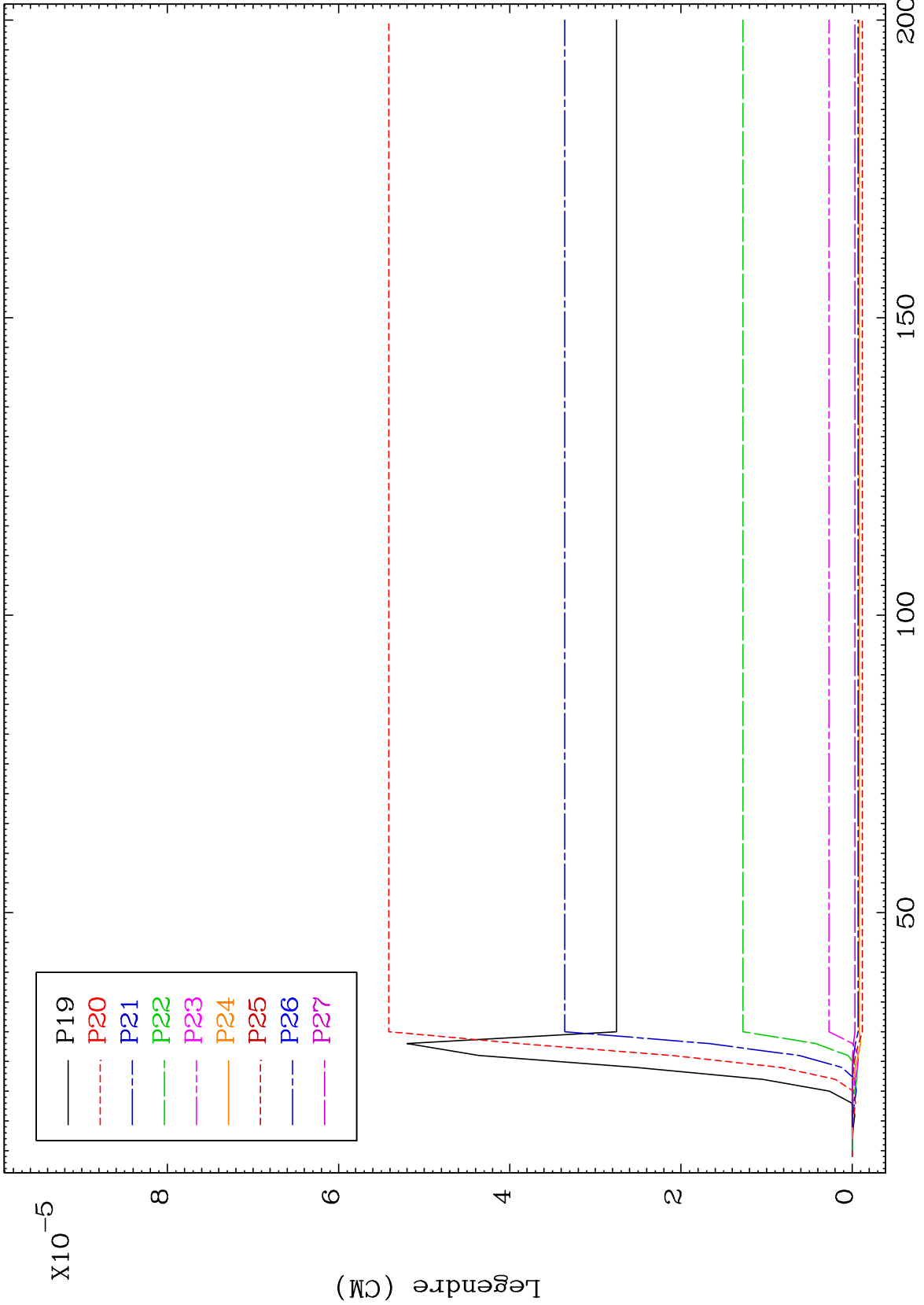
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



106

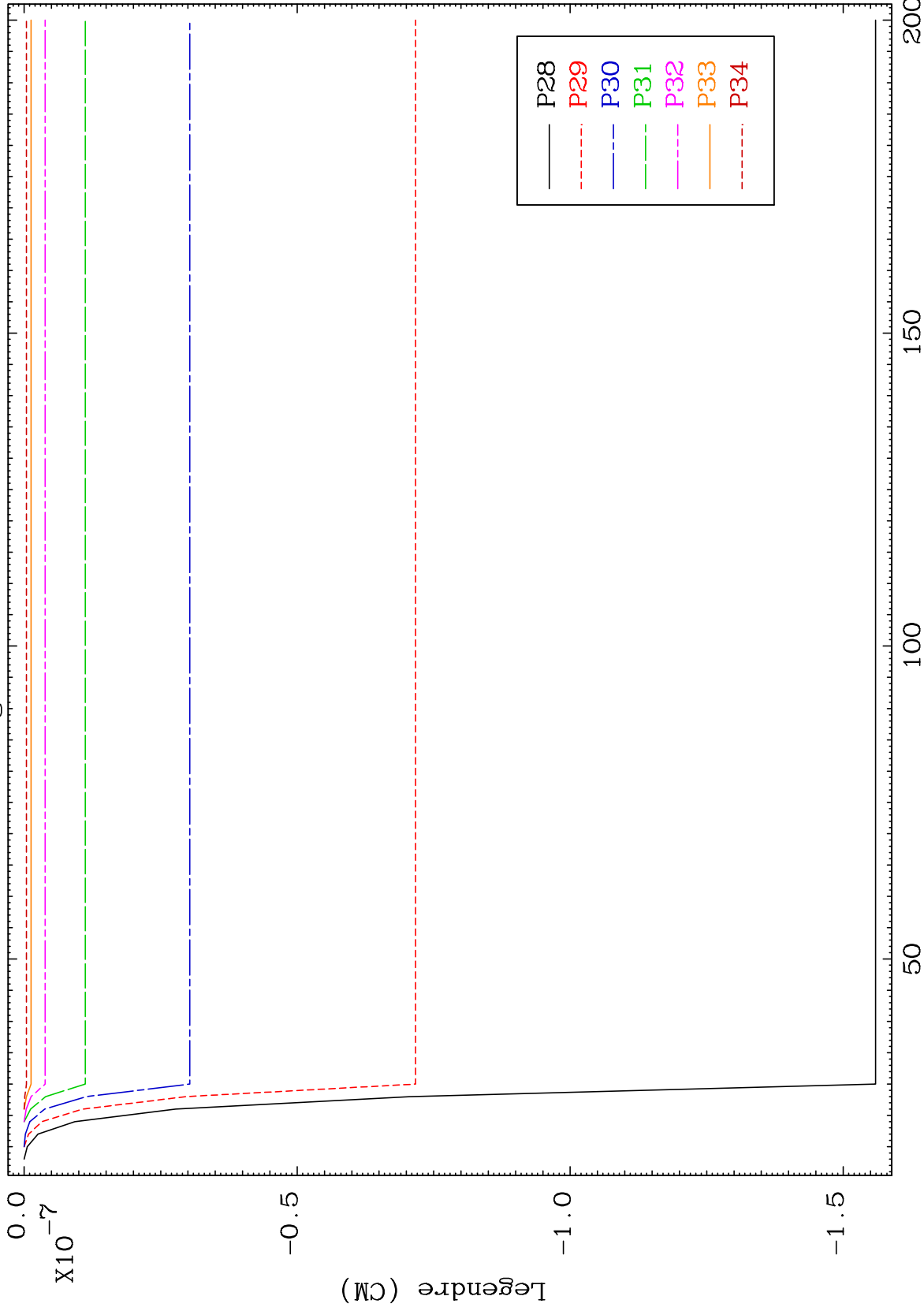
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



62-Sm-144

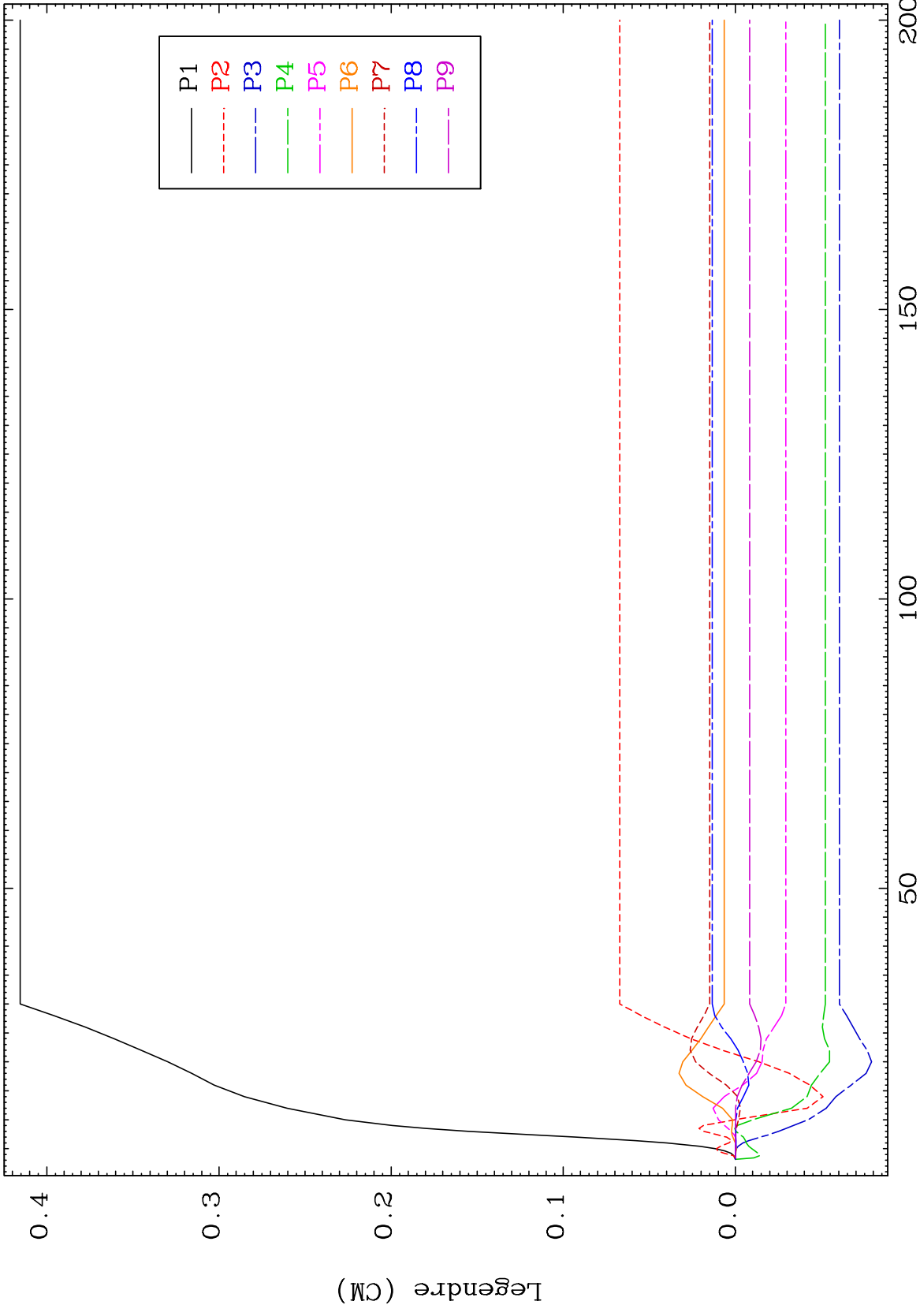
Incident Energy (MeV)

107

MAT 6225

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

62-Sm-144



108

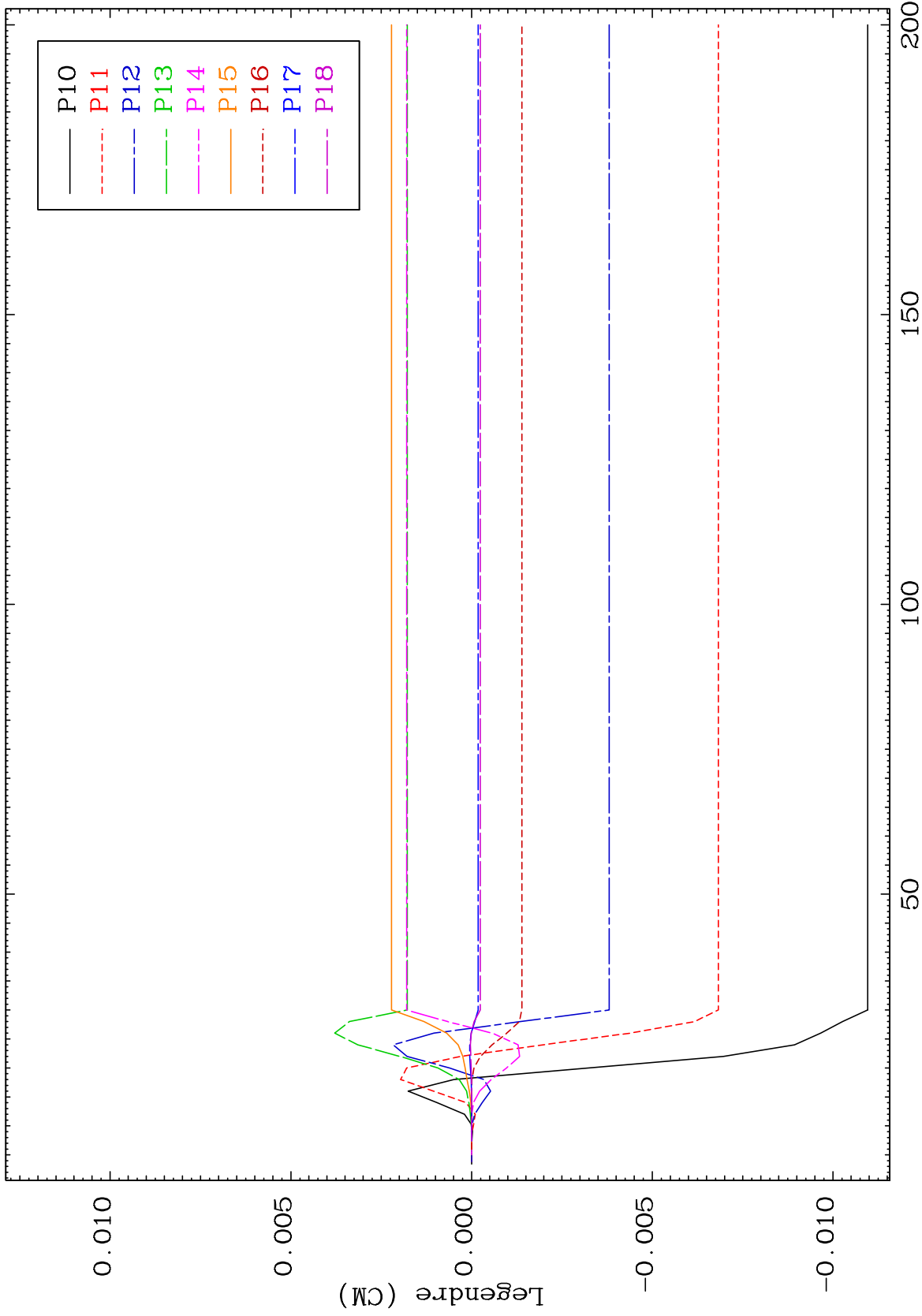
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



109

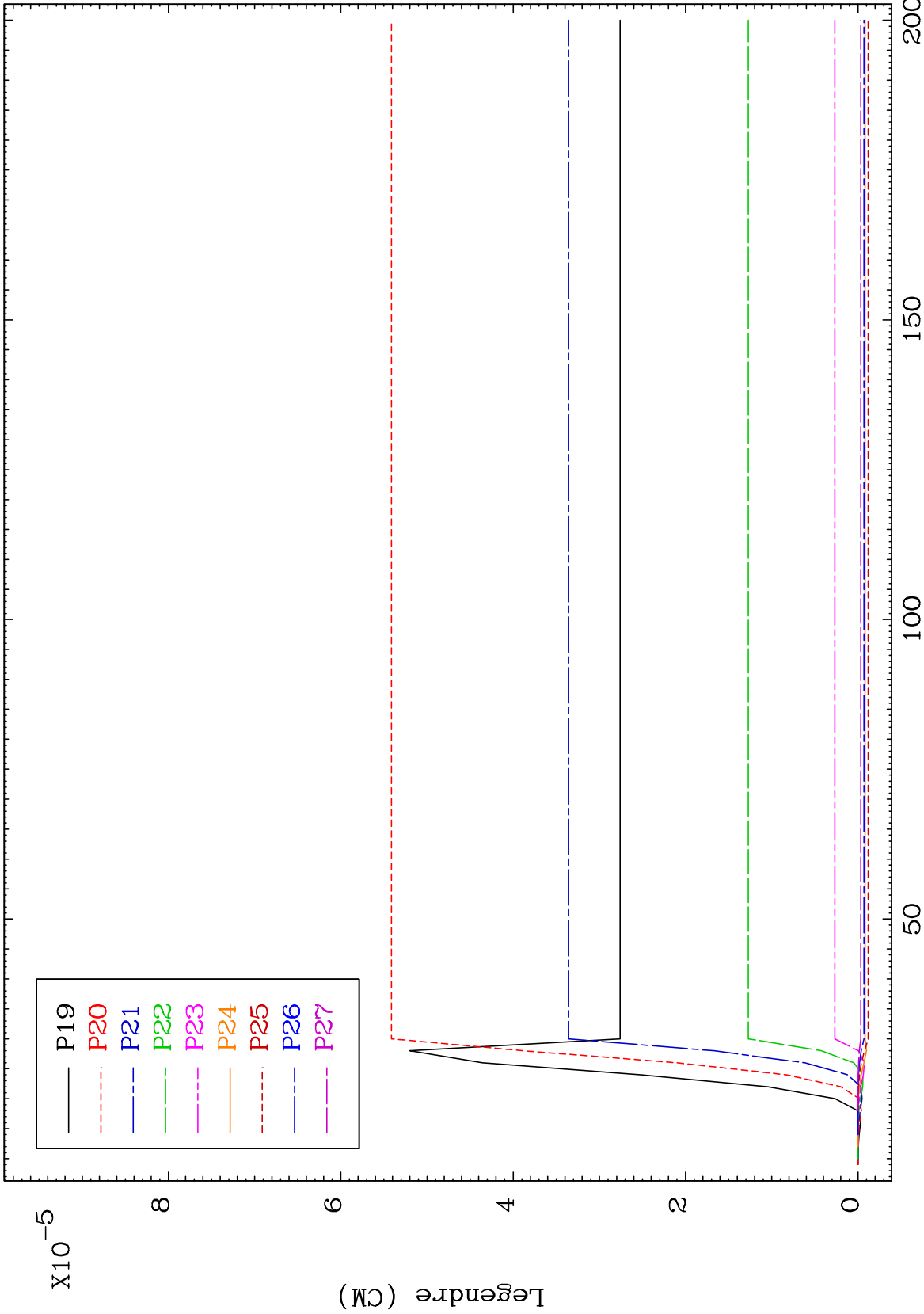
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



110

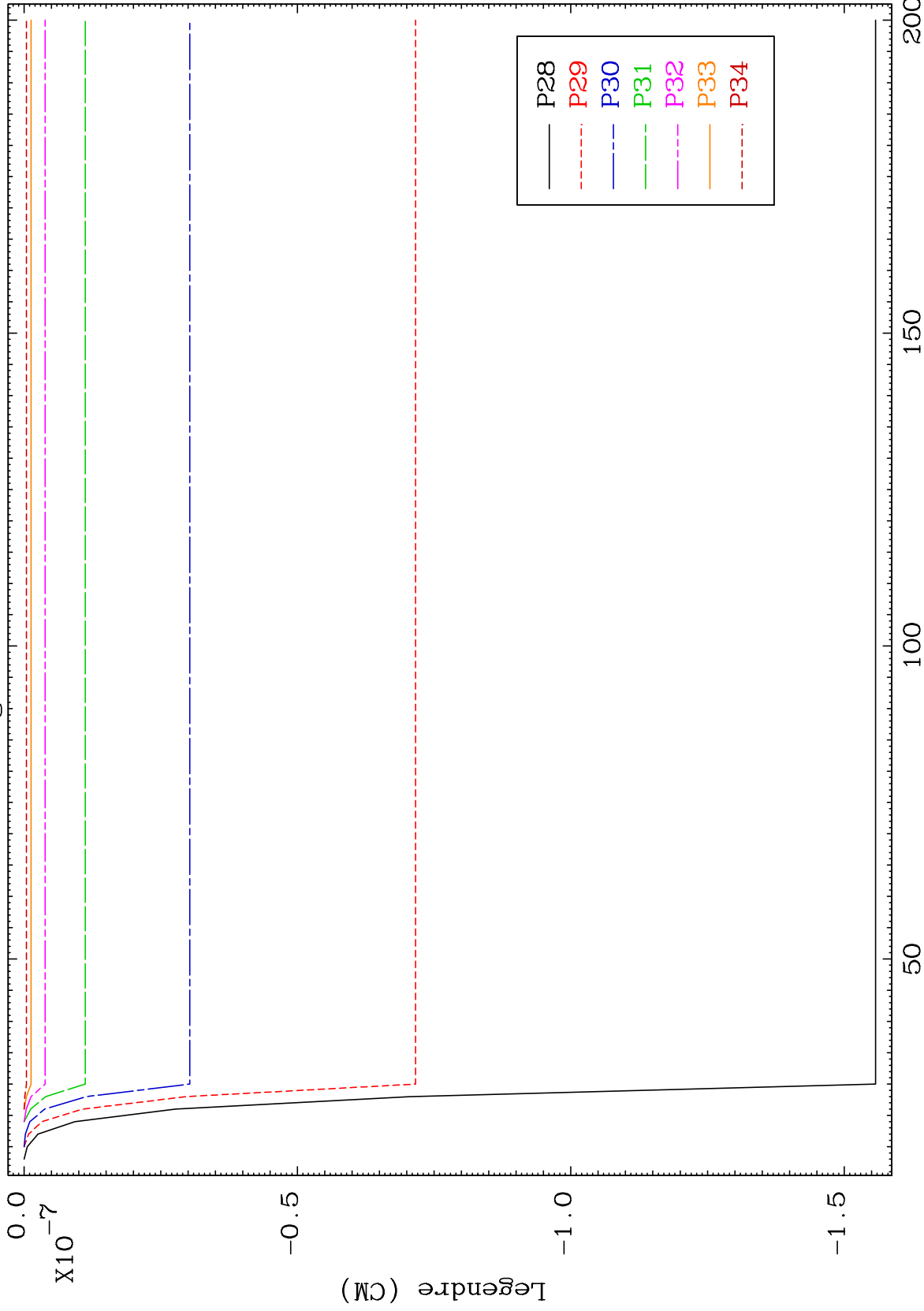
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



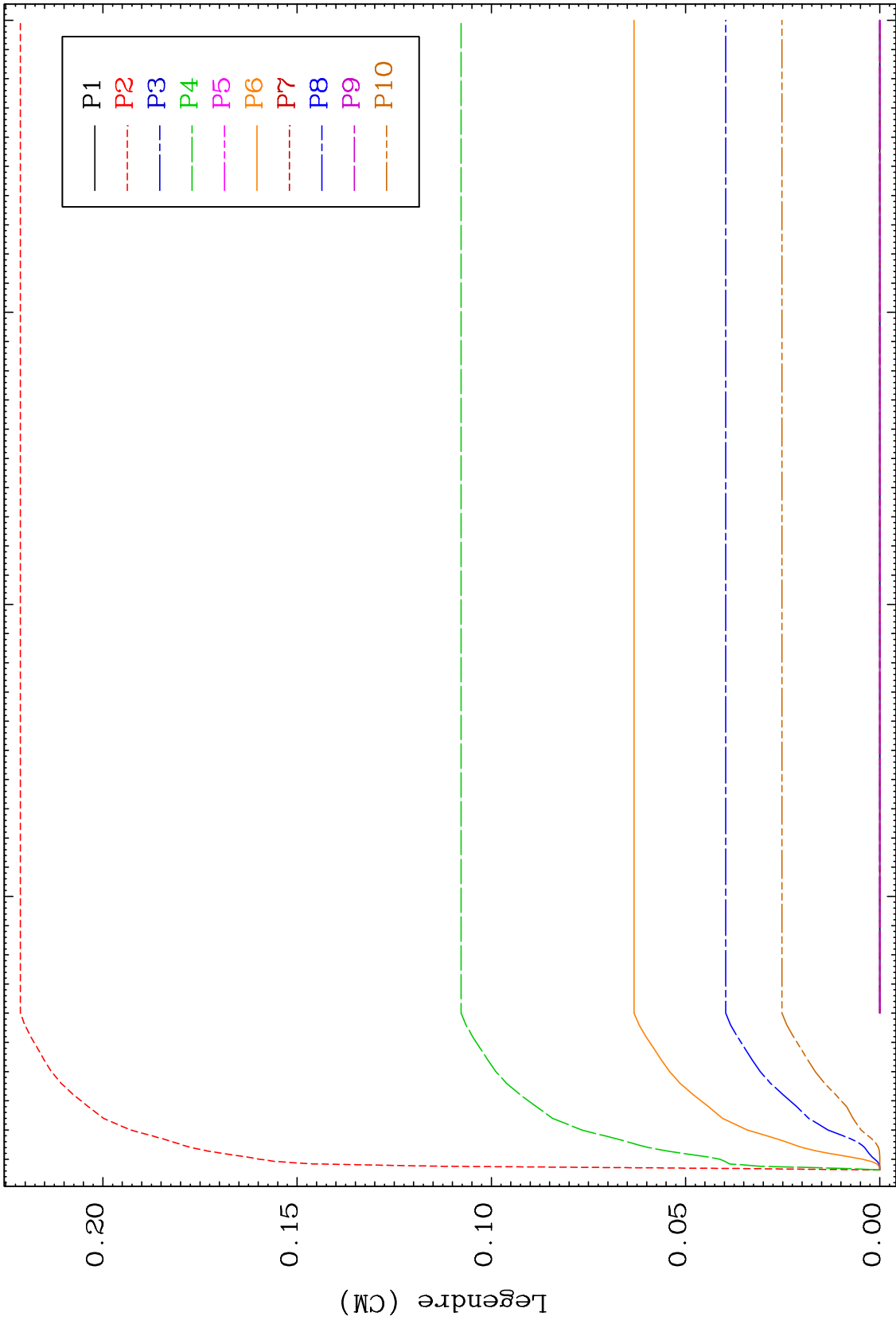
62-Sm-144

Incident Energy (MeV)

111

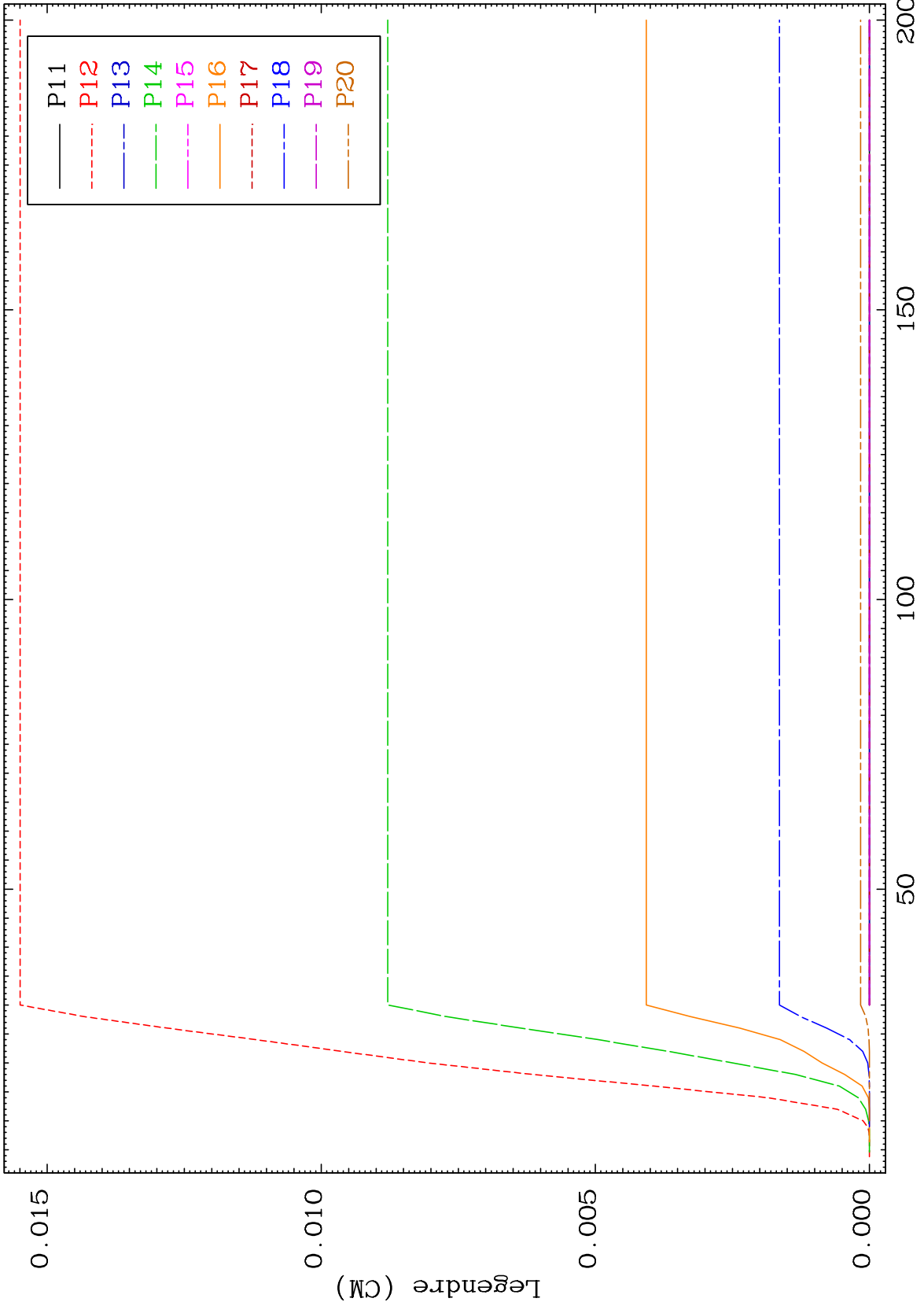


MAT 6225 MT= 76 (n,n') Level Legendre Coefficients 62-Sm-144



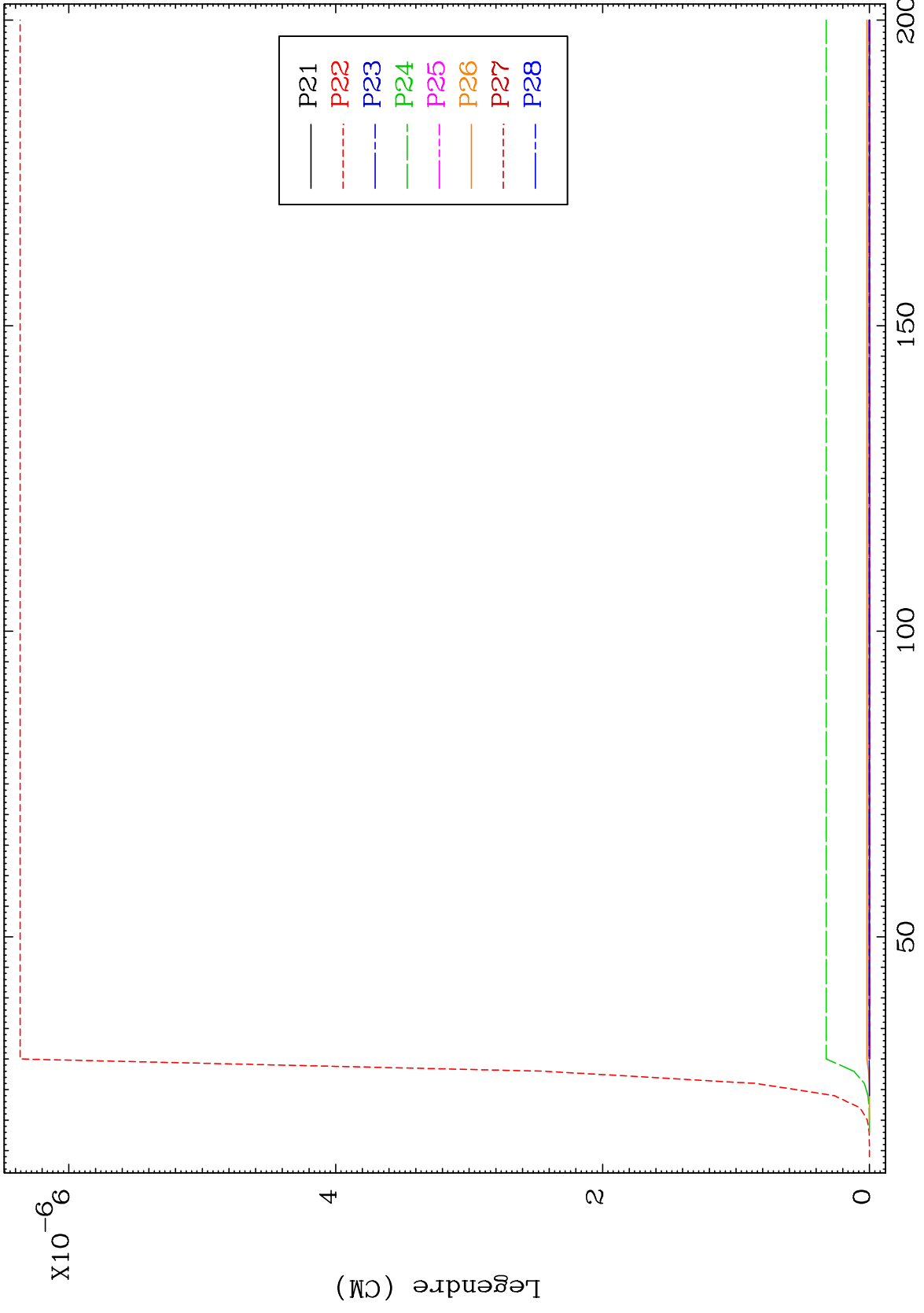
112 50 100 150 200 62-Sm-144

MAT 6225 MT= 76 (n,n') Level Legendre Coefficients 62-Sm-144



113 Incident Energy (MeV) 62-Sm-144

MAT 6225 MT= 76 (n,n') Level Legendre Coefficients 62-Sm-144

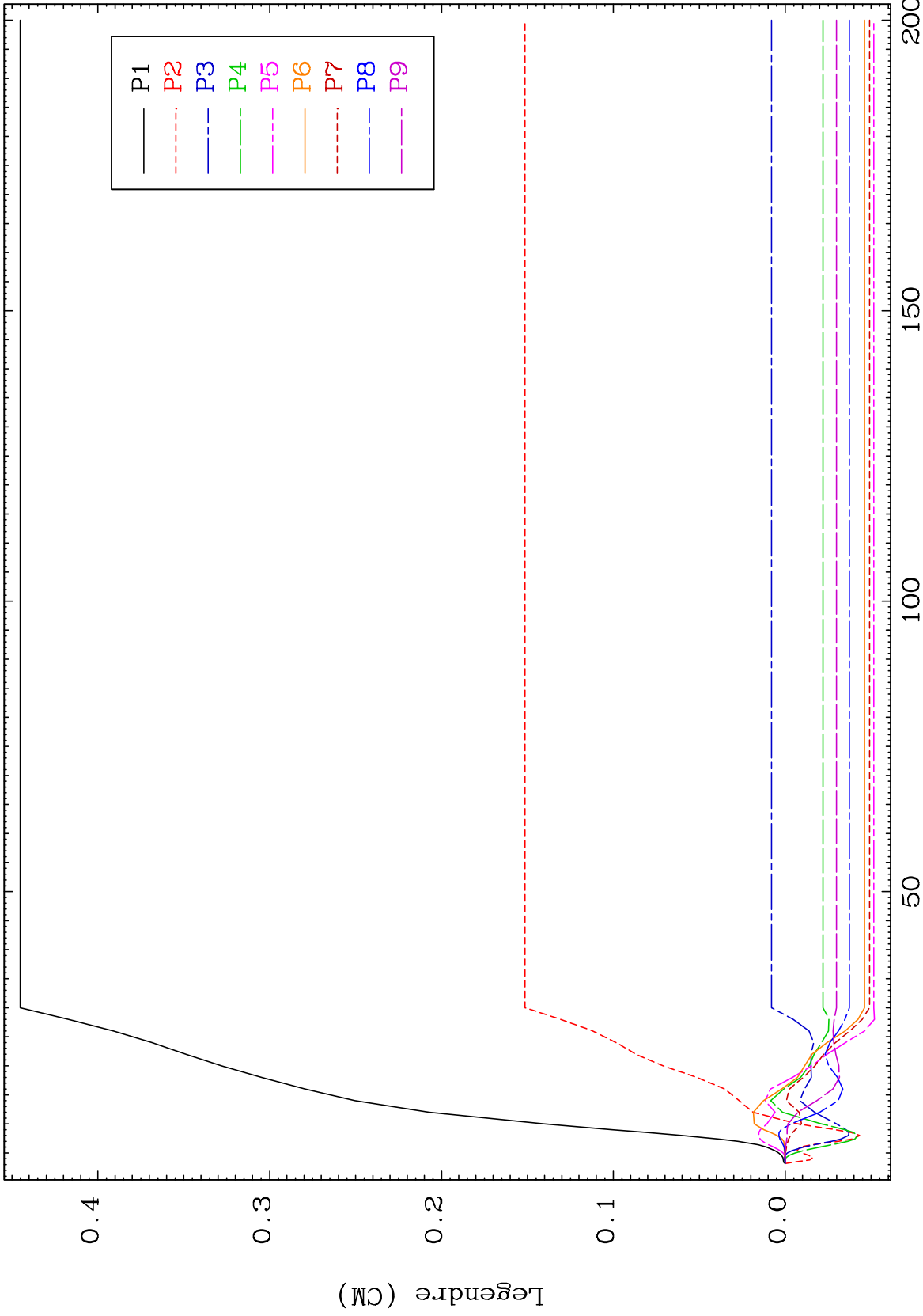


114 62-Sm-144

MAT 6225

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

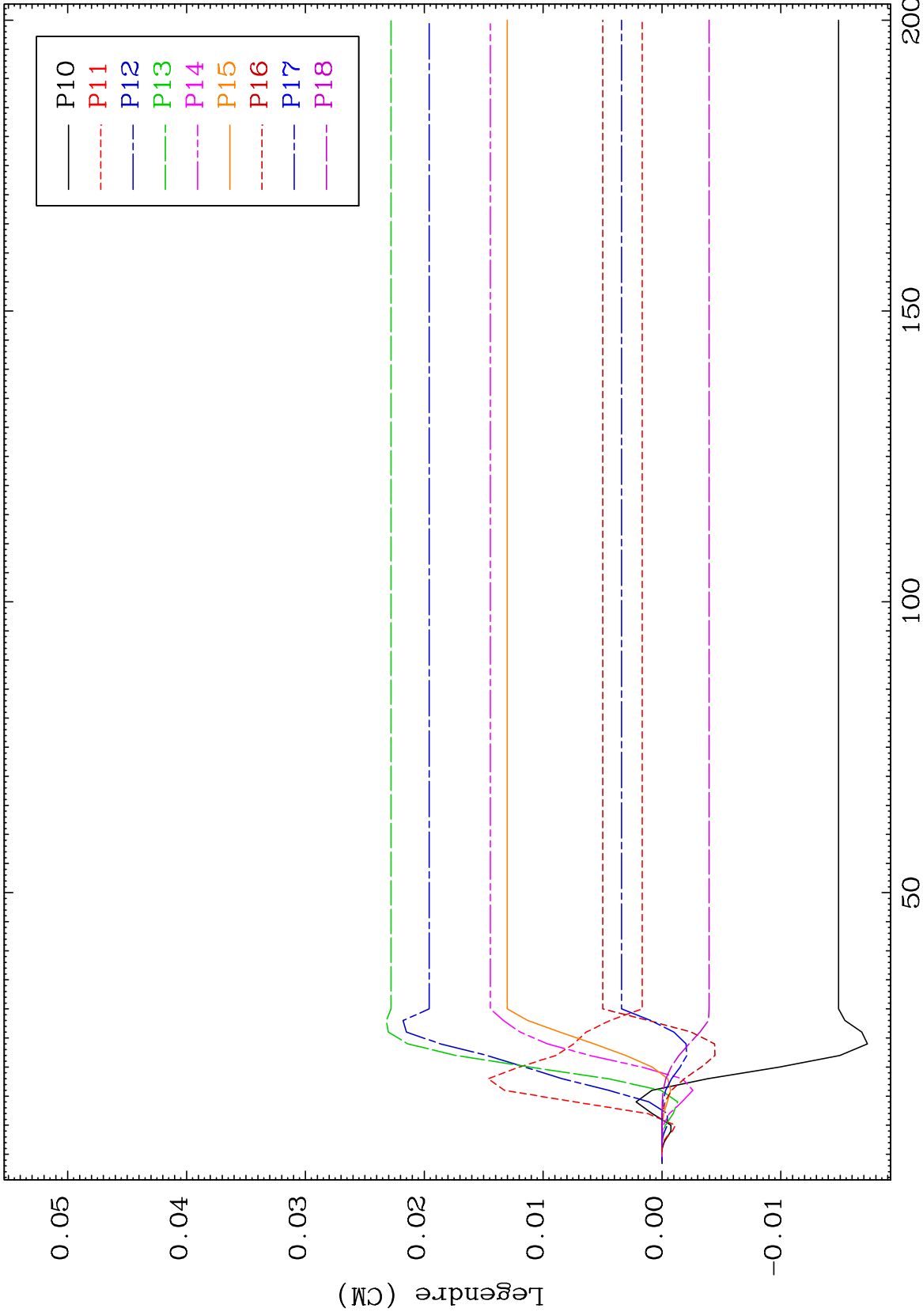
62-Sm-144



115

Incident Energy (MeV)

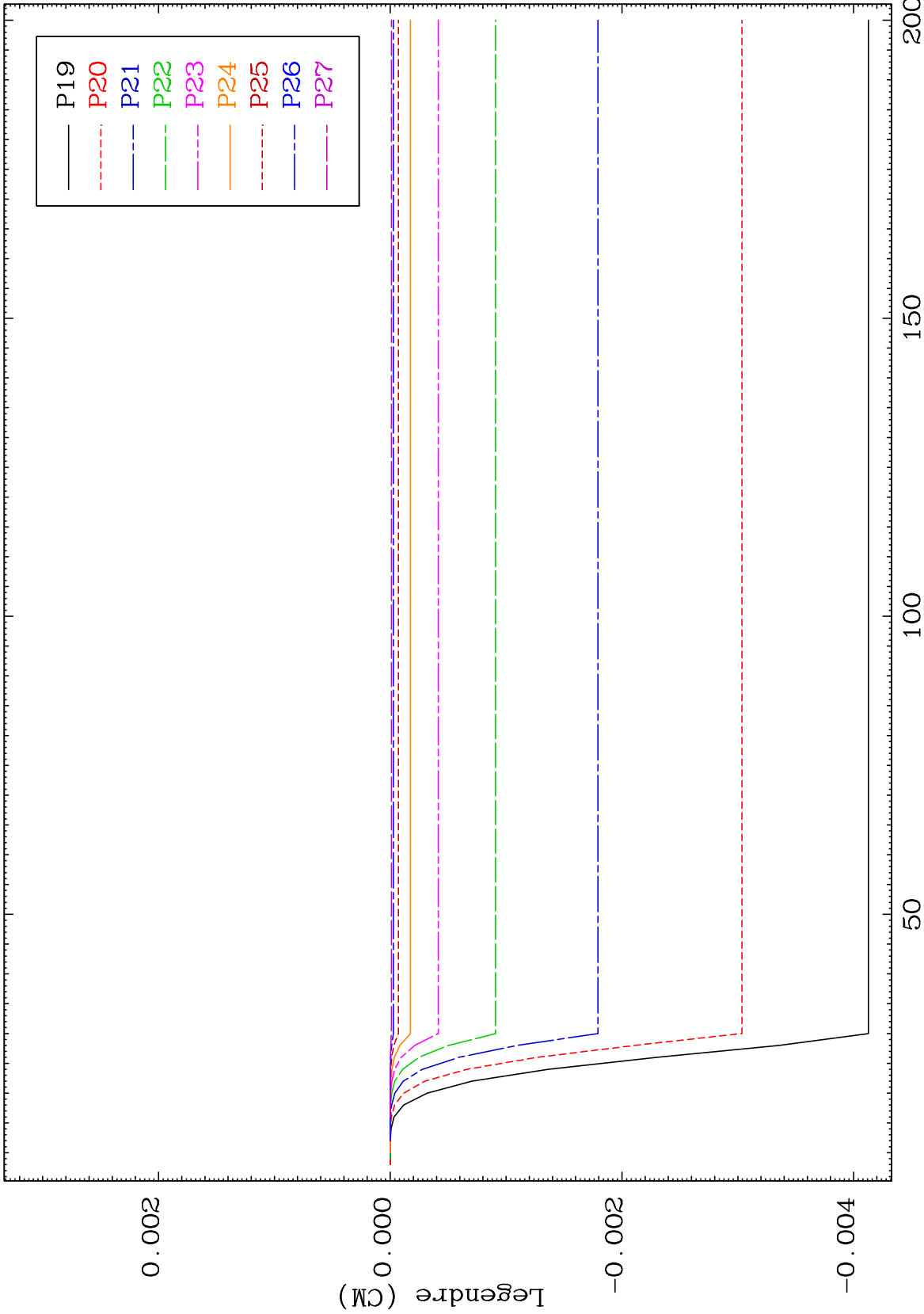
62-Sm-144



MAT 6225

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

62-Sm-144



117

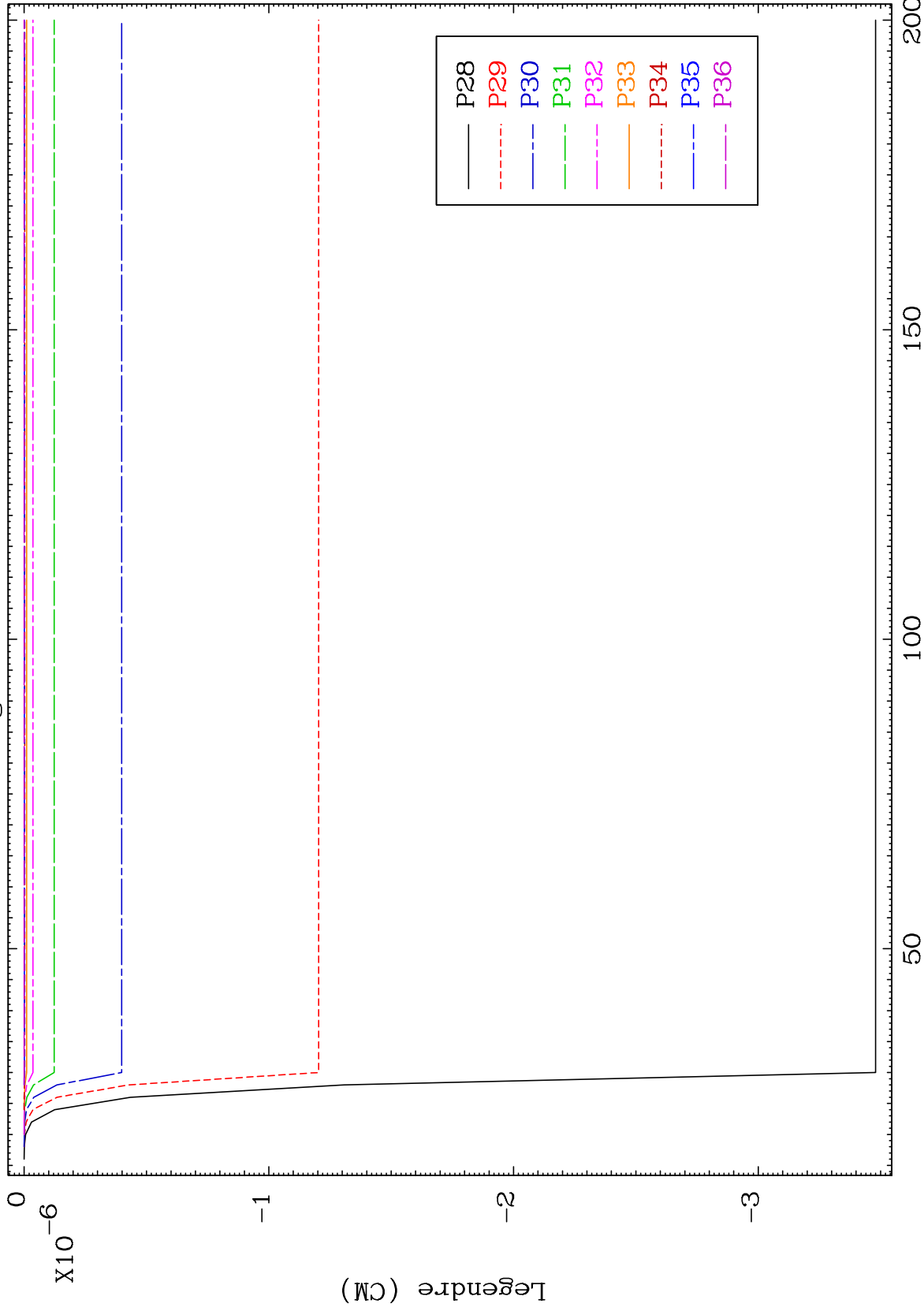
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



62-Sm-144

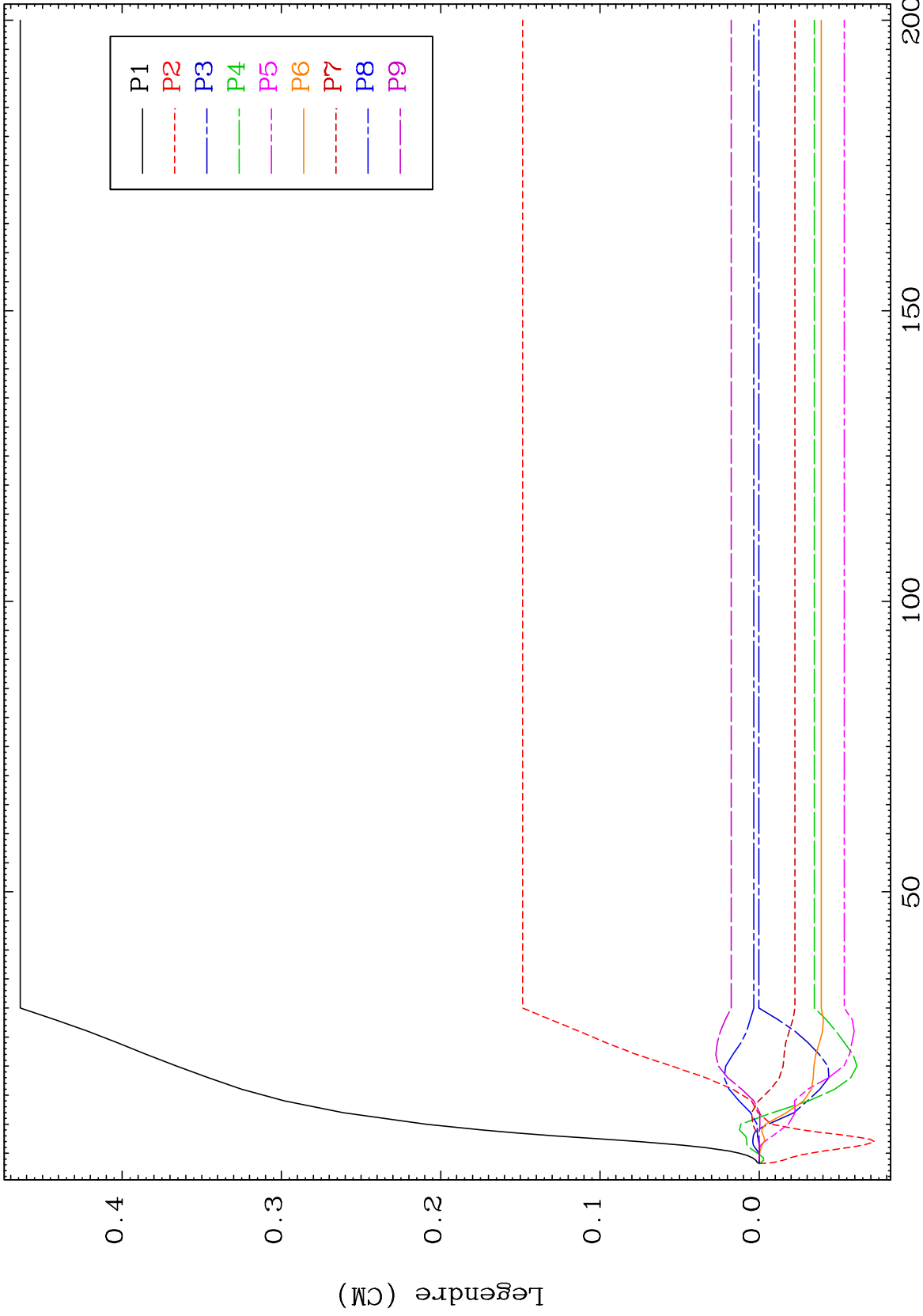
Incident Energy (MeV)

118

MAT 6225

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

62-Sm-144



119

Incident Energy (MeV)

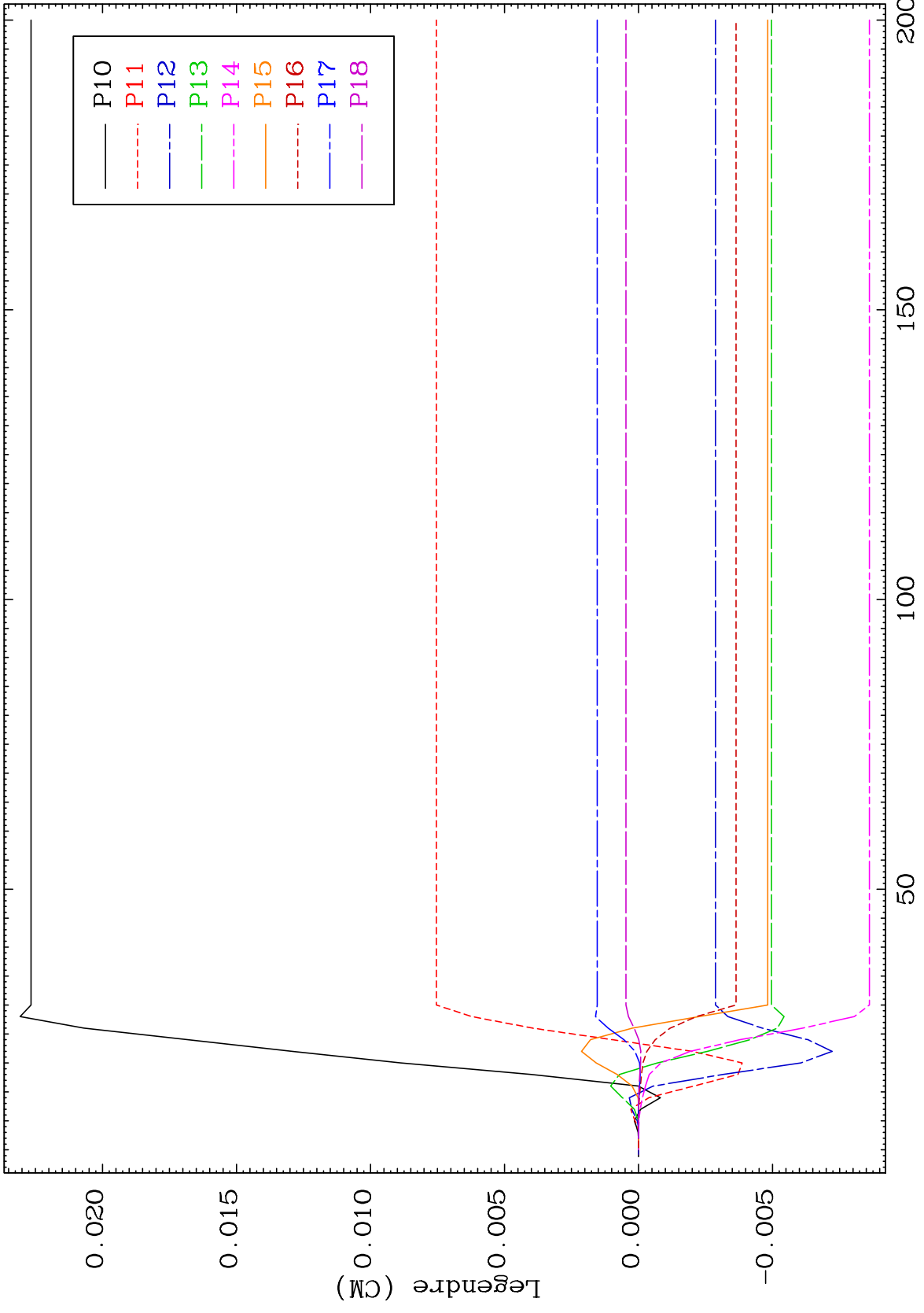
62-Sm-144



MAT 6225

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

62-Sm-144



120

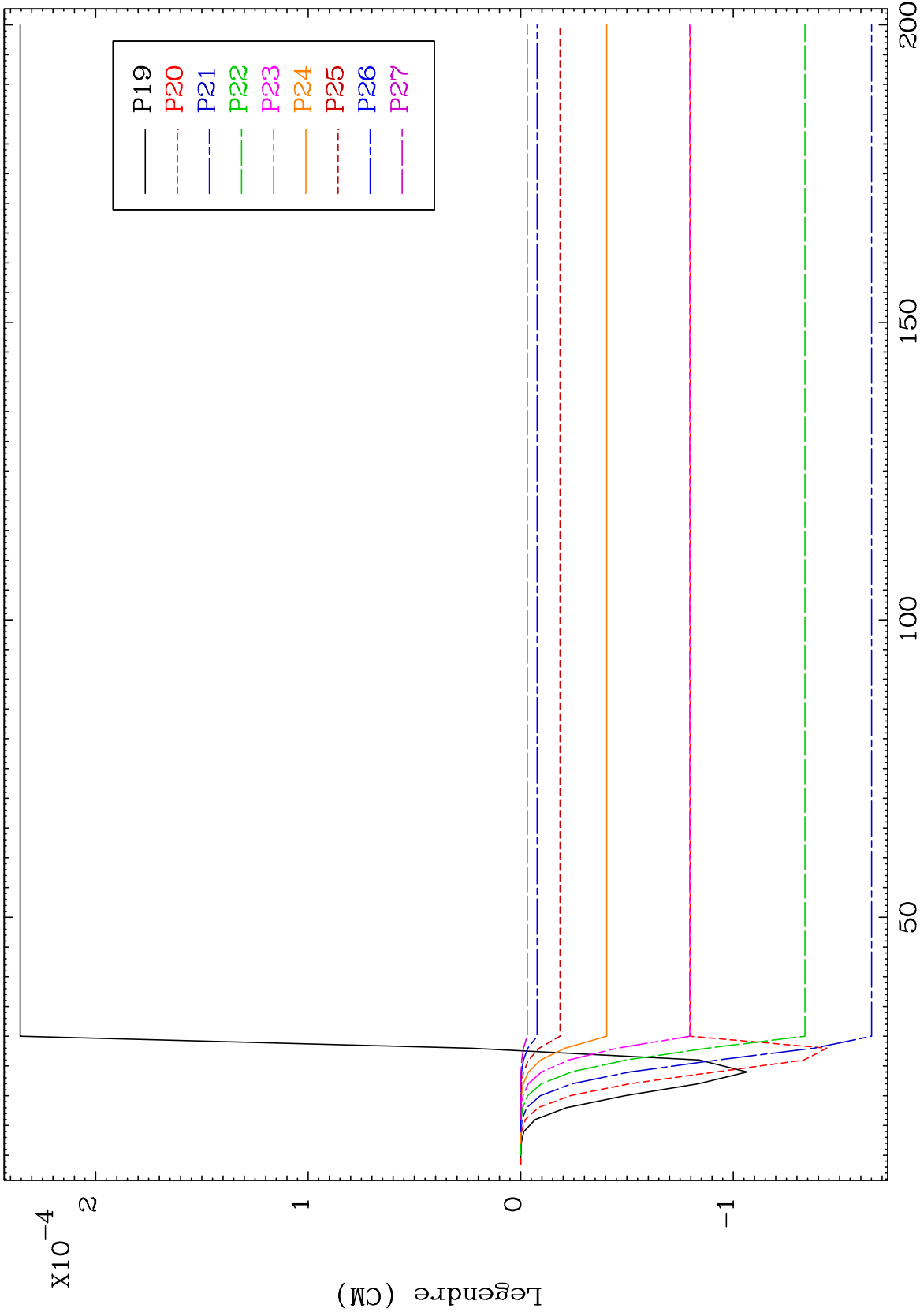
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



121

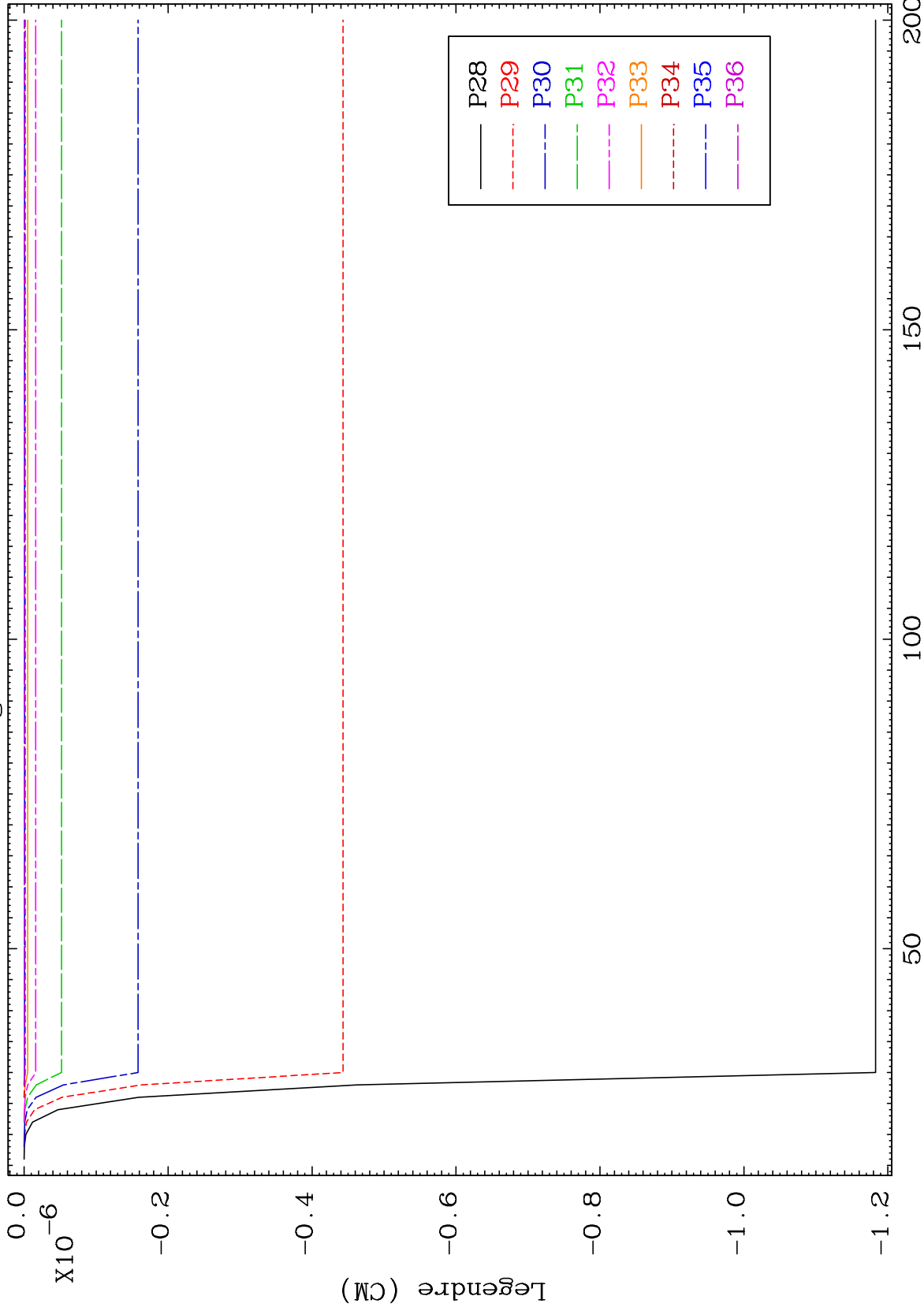
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



62-Sm-144

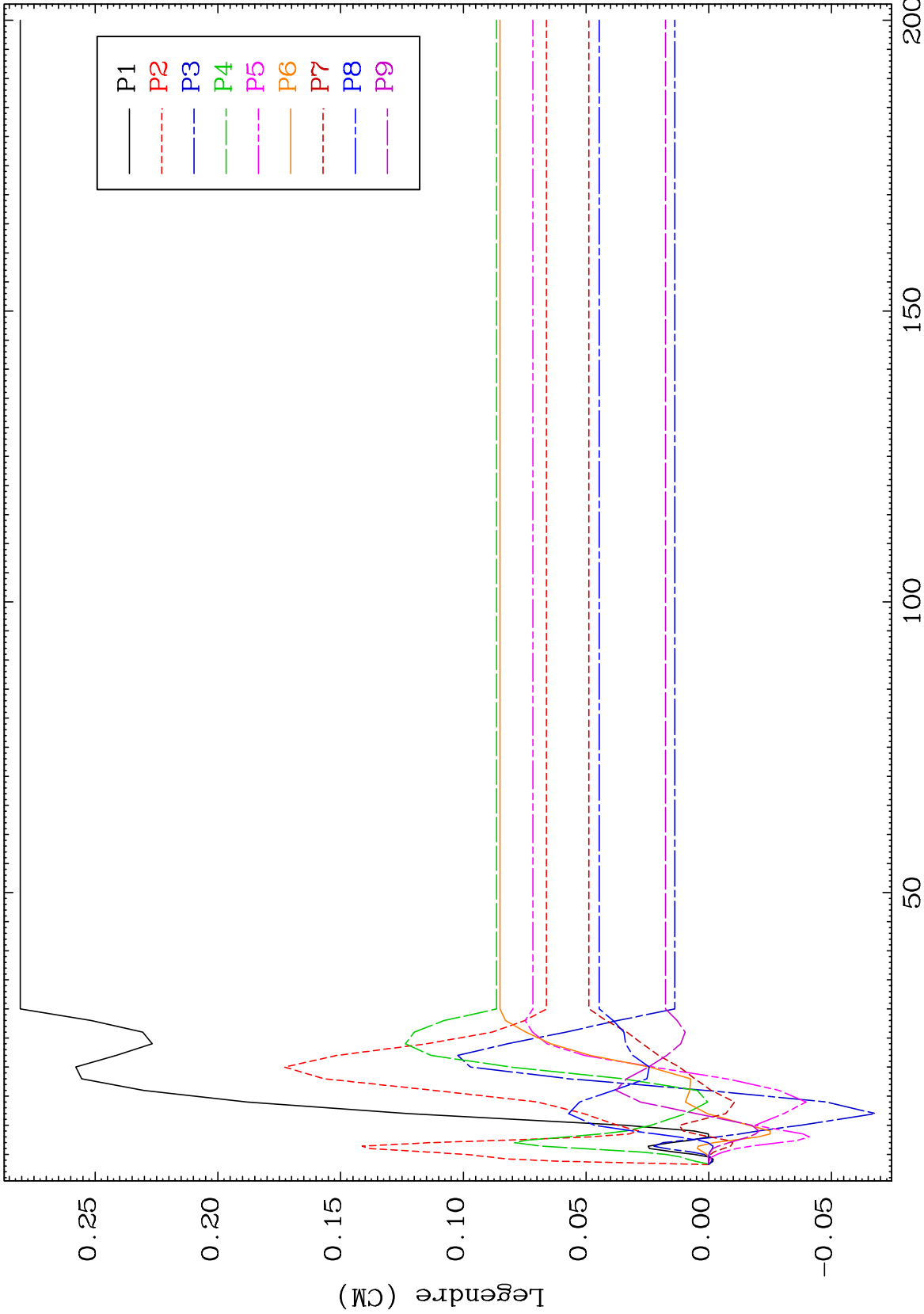
Incident Energy (MeV)

122

MAT 6225

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

62-Sm-144



123

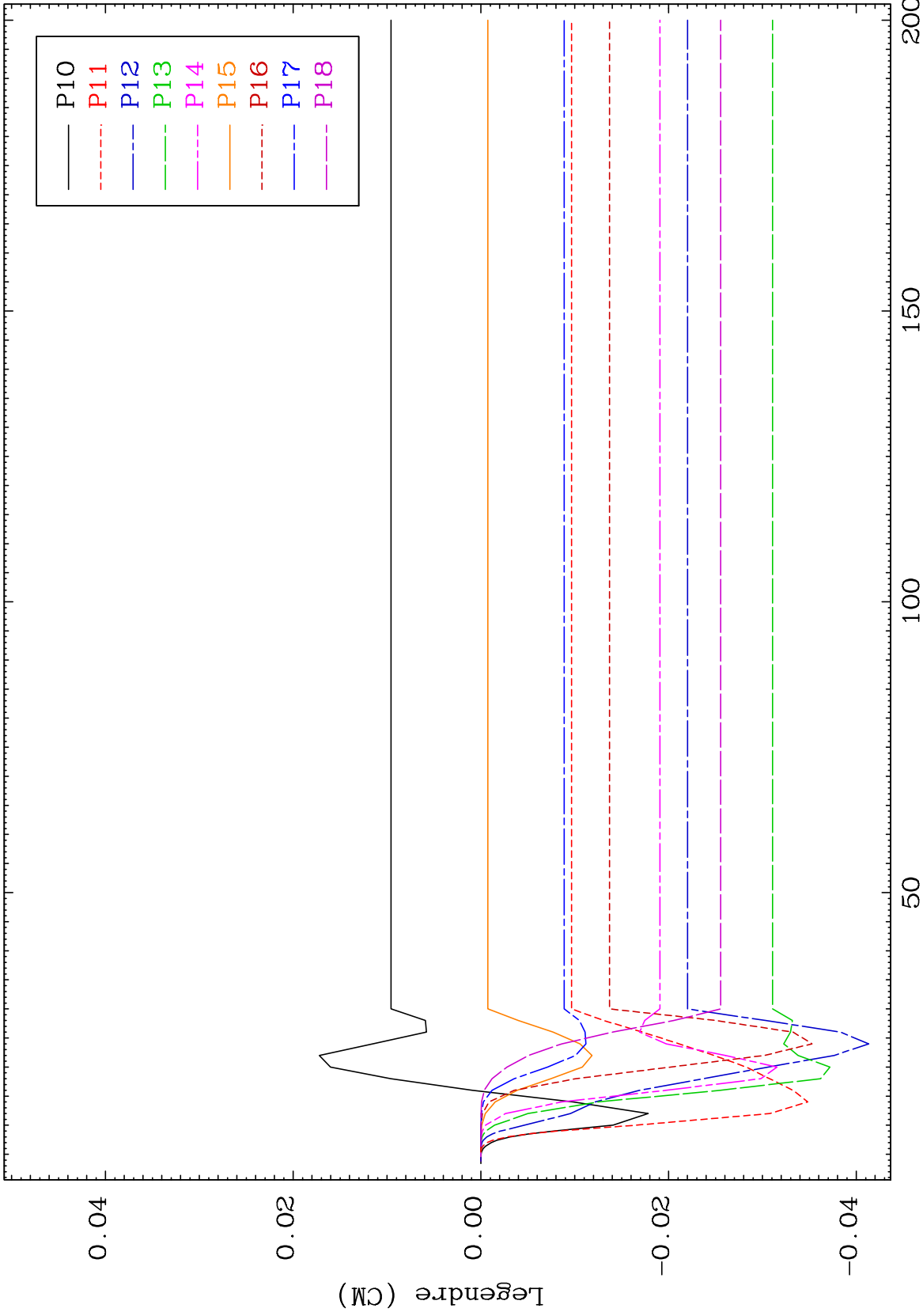
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144

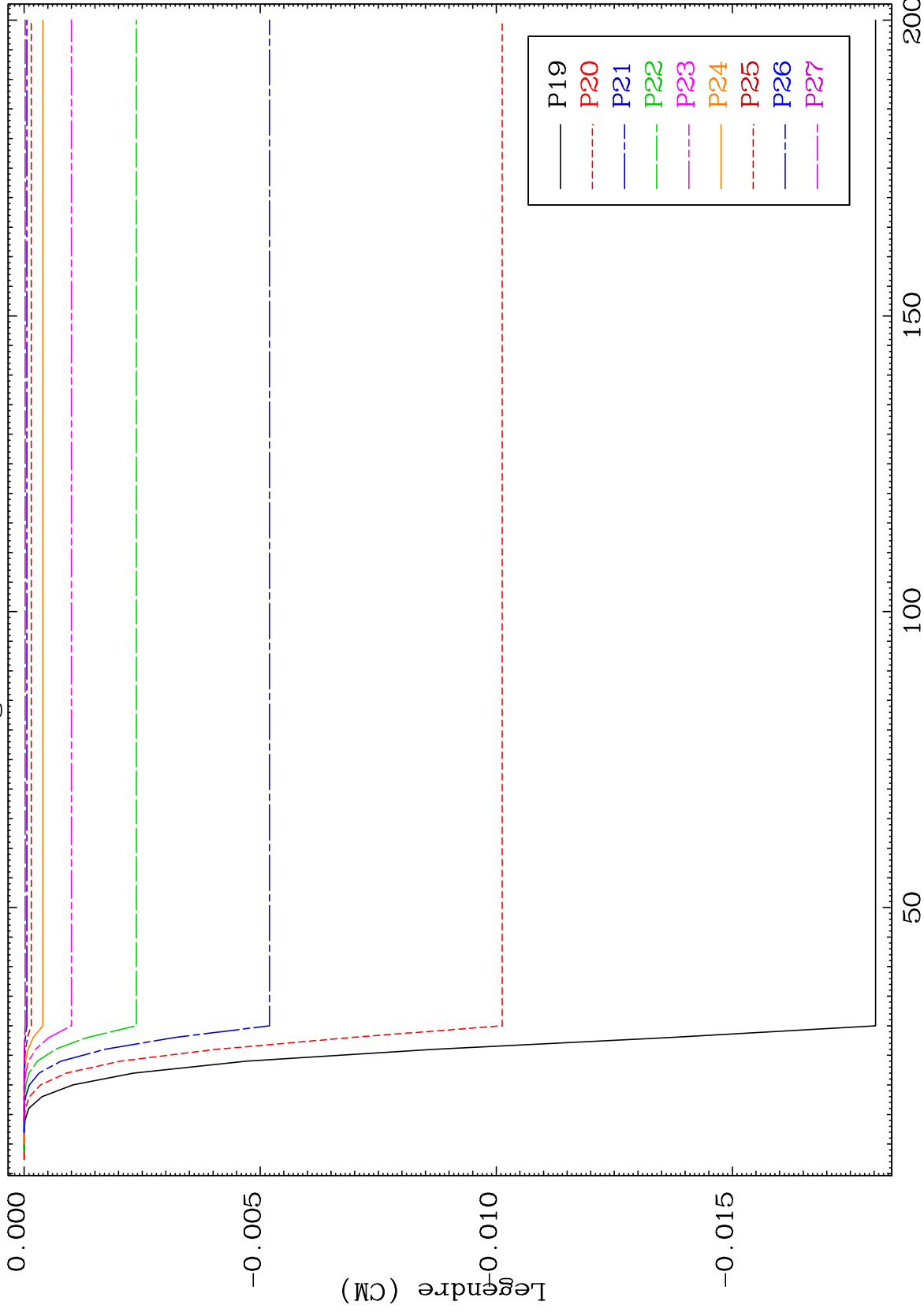


124

Incident Energy (MeV)

62-Sm-144

MAT 6225 MT= 79 (n,n') Level Legendre Coefficients 62-Sm-144

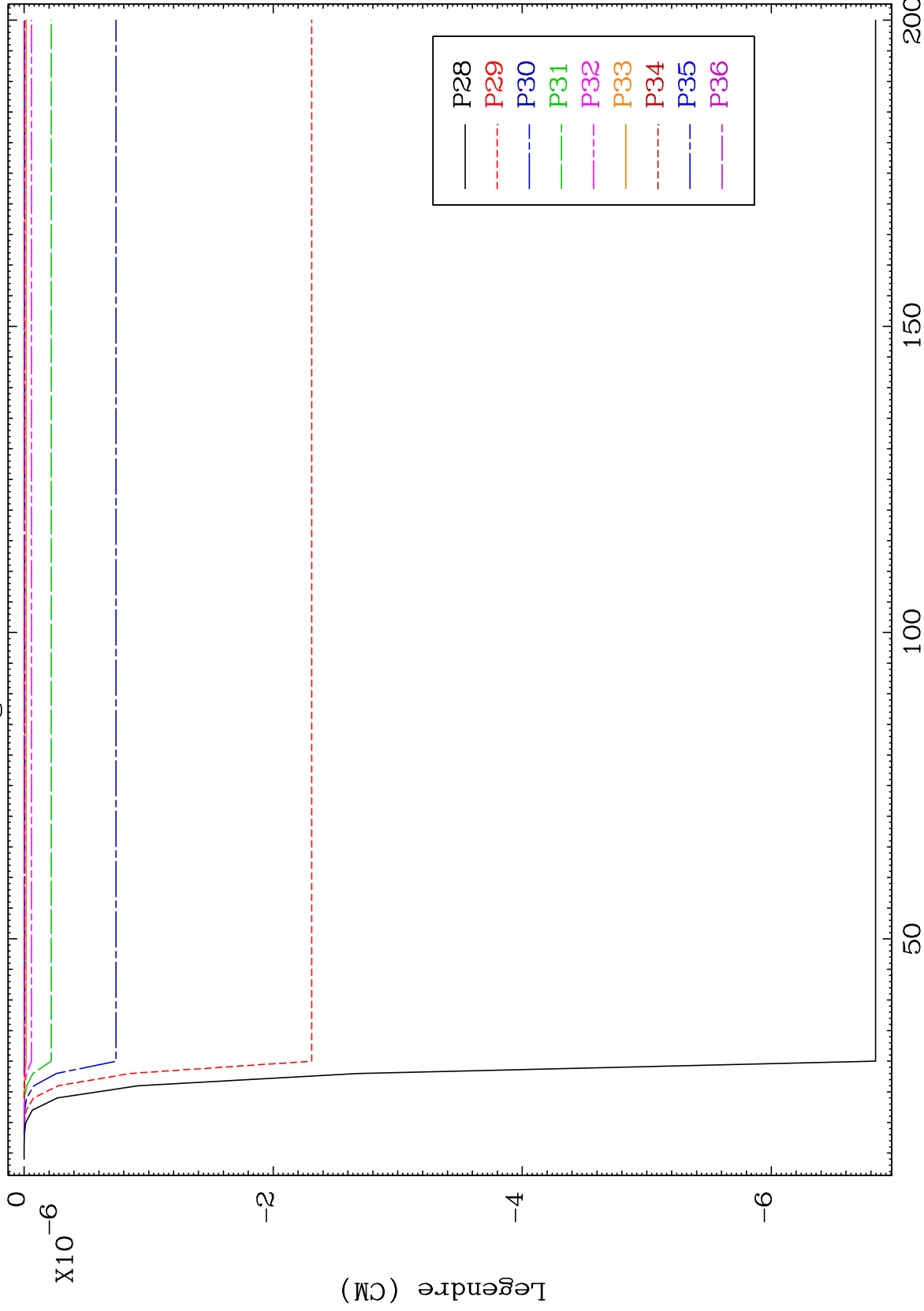


125 Incident Energy (MeV) 62-Sm-144

MAT 6225

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

62-Sm-144



126

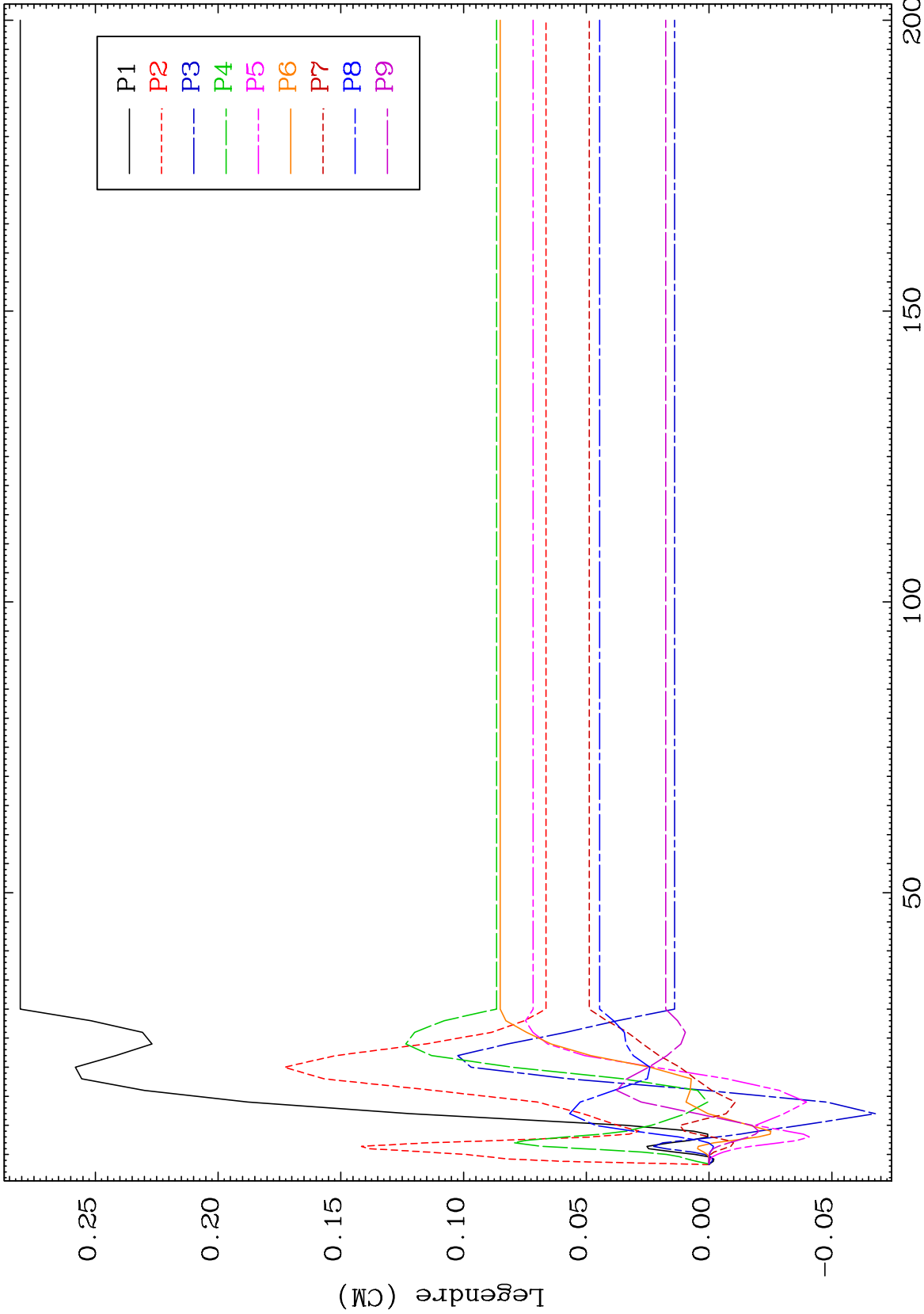
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



62-Sm-144

Incident Energy (MeV)

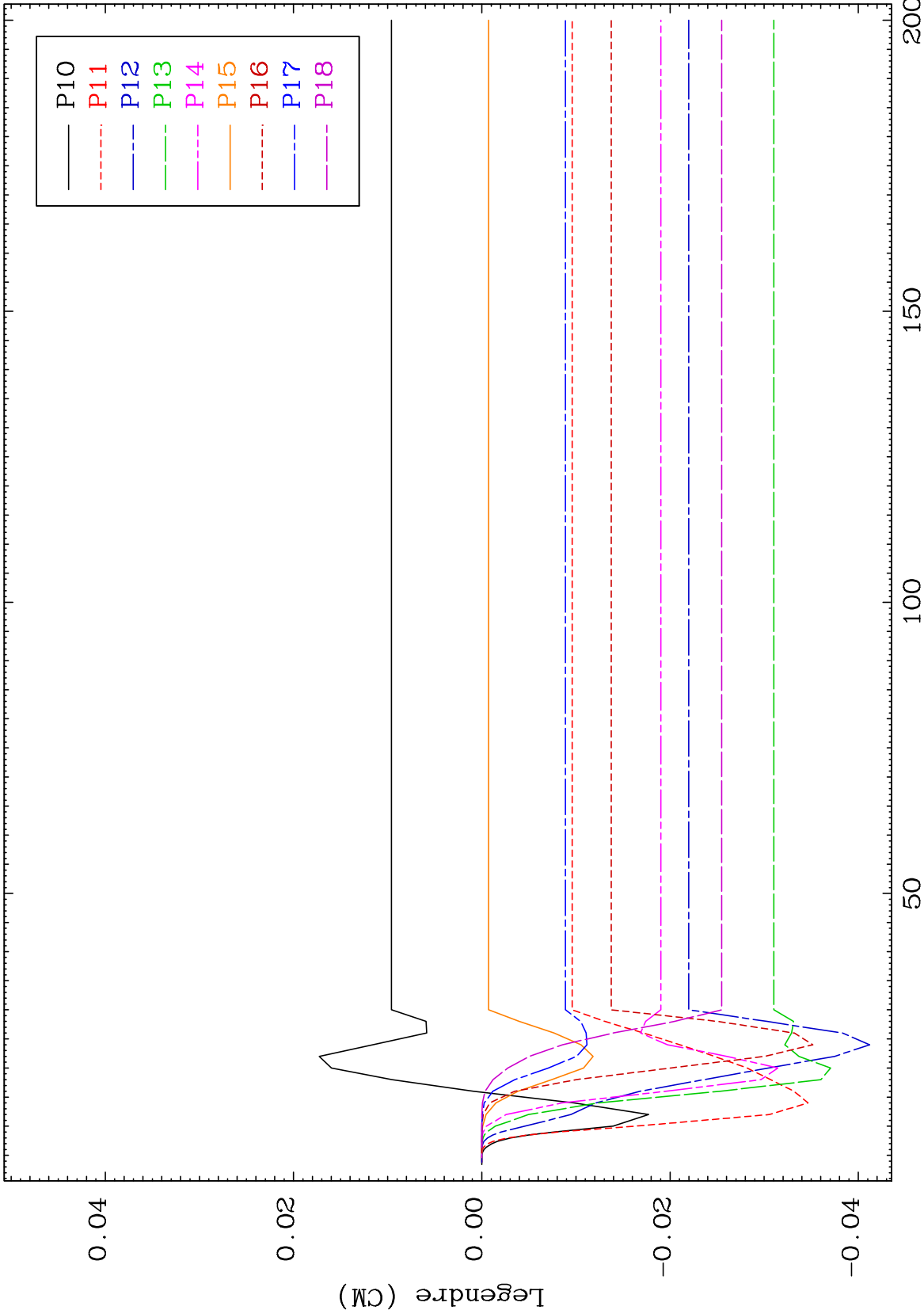
127



MAT 6225

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

62-Sm-144

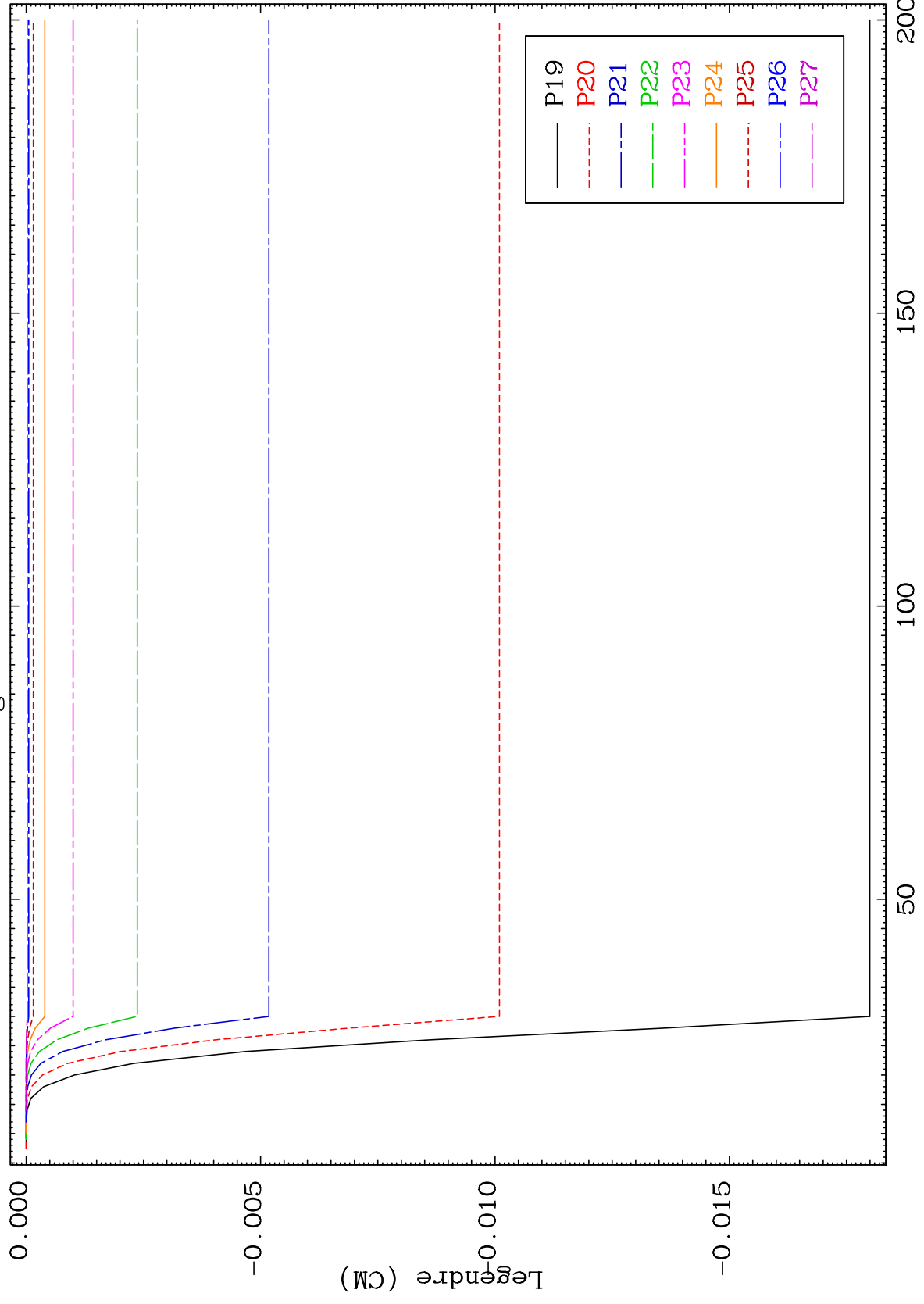


128

Incident Energy (MeV)

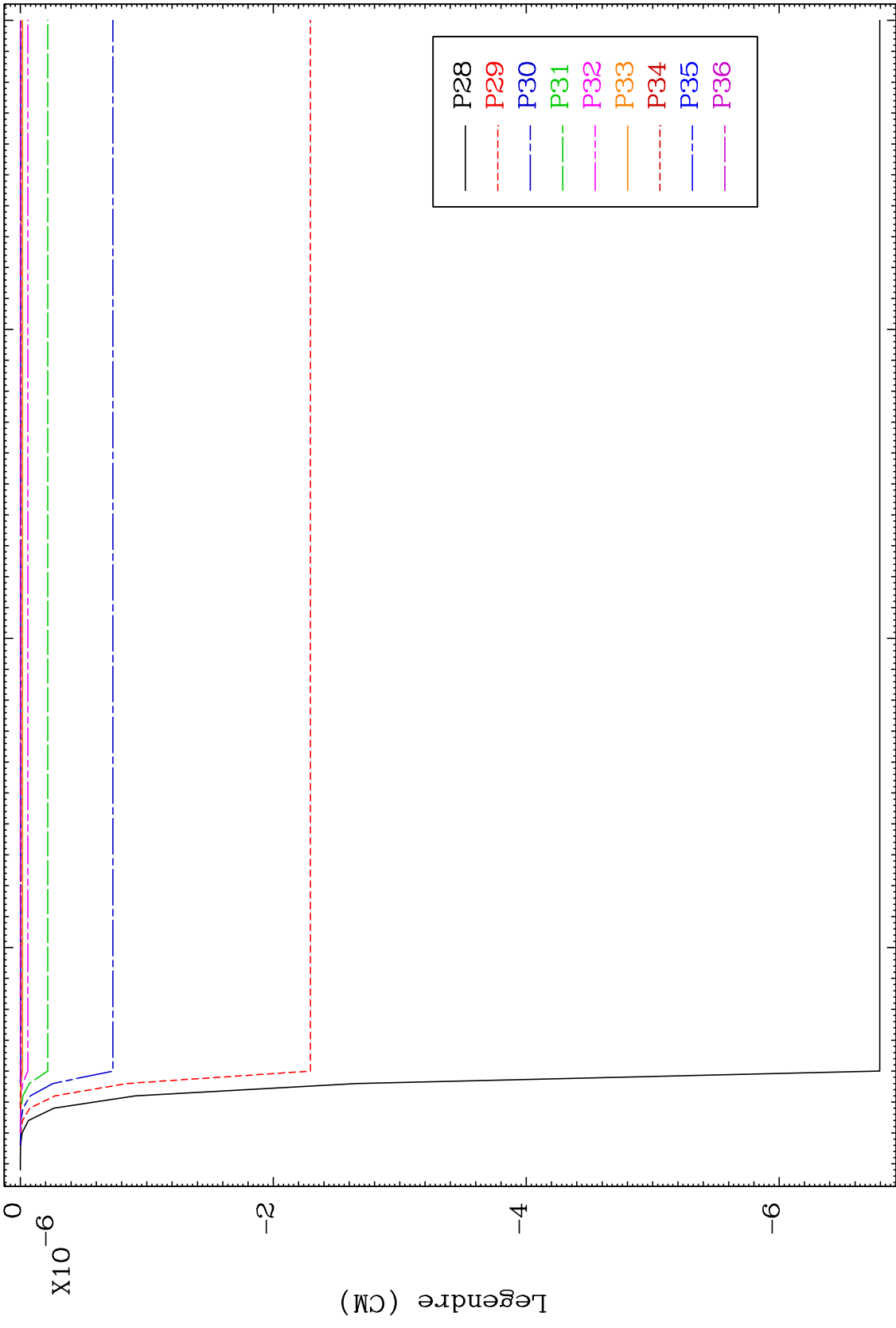
62-Sm-144

MAT 6225 MT= 80 (n,n') Level Legendre Coefficients 62-Sm-144



MAT 6225 MT= 80 (n,n') Level 62-Sm-144

Legendre Coefficients

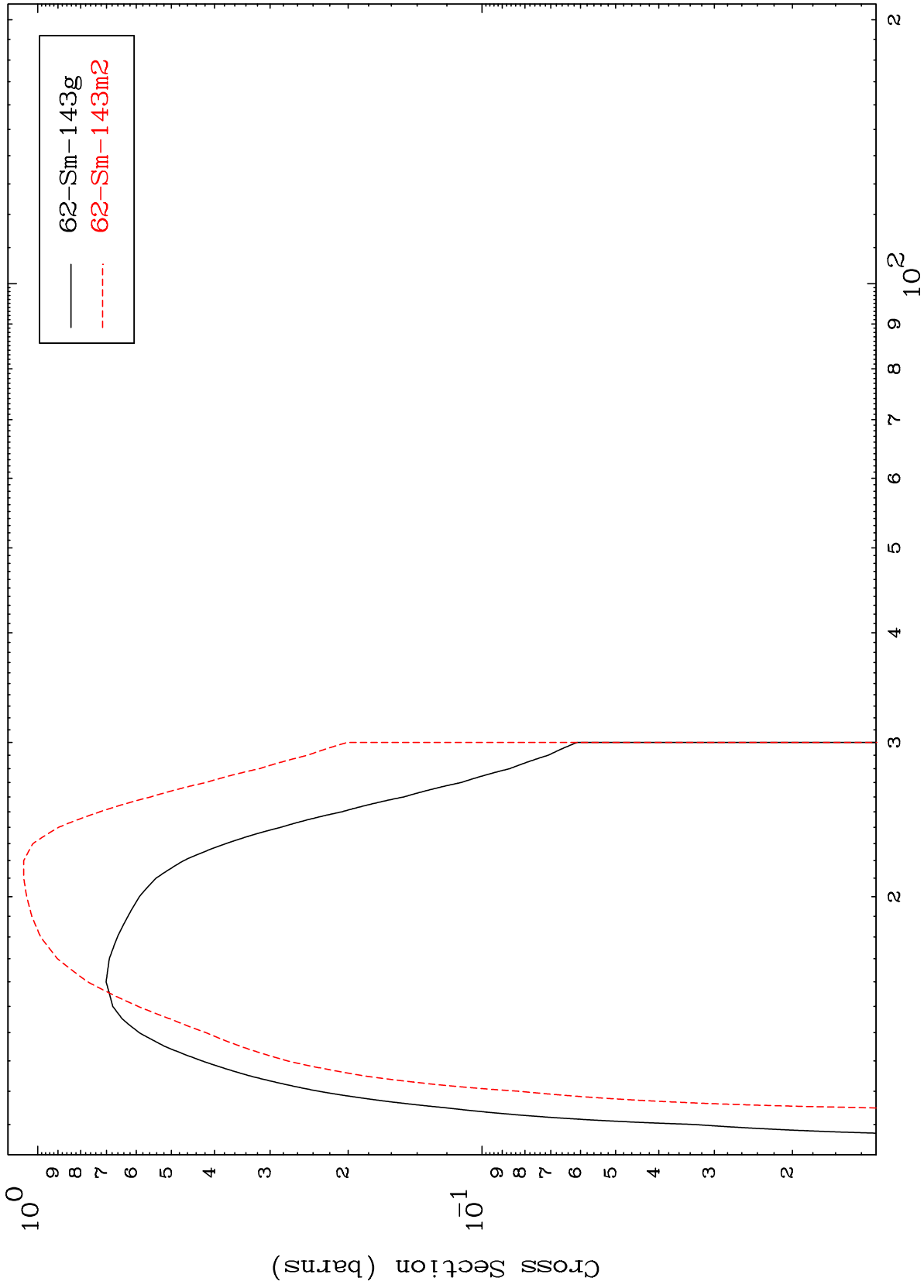


130 Incident Energy (MeV) 62-Sm-144

MAT 6225

62-Sm-144

(n,2n)  
Radionuclide Production Cross Section



131

Incident Energy (MeV)

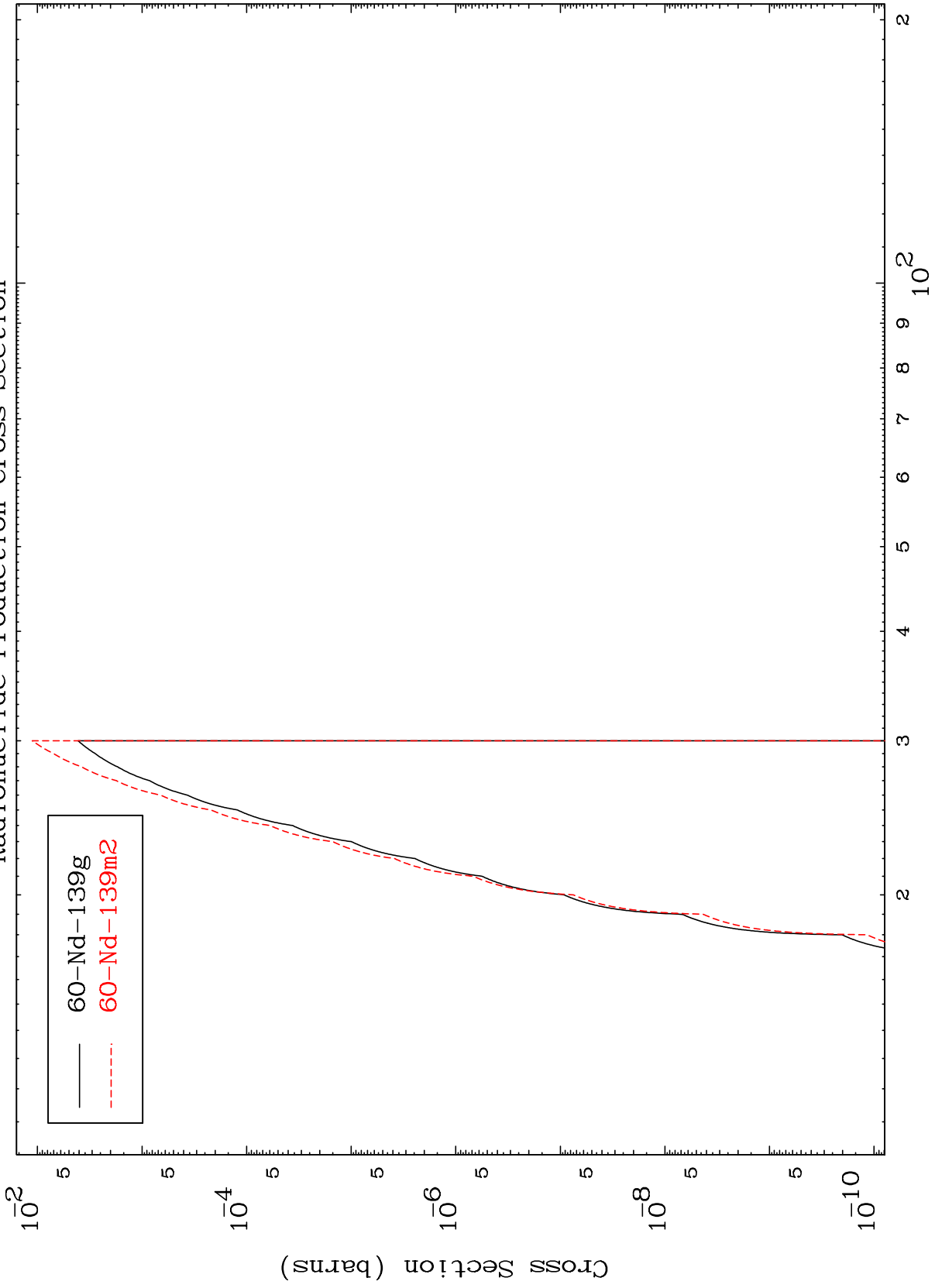
62-Sm-144

MAT 6225

(n,2n)  $\alpha$

62-Sm-144

Radionuclide Production Cross Section



132

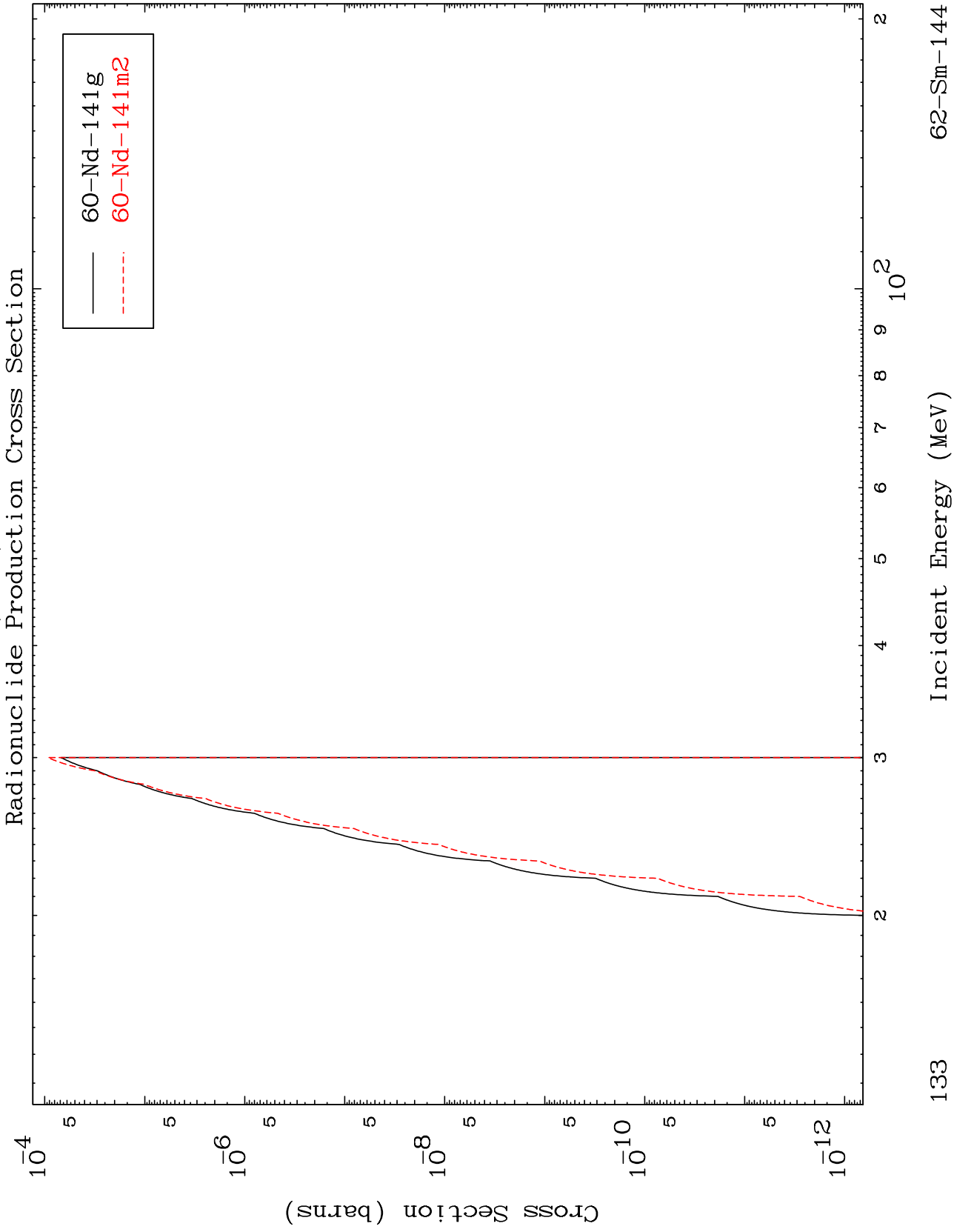
Incident Energy (MeV)

62-Sm-144

MAT 6225

(n, n') He-3

62-Sm-144

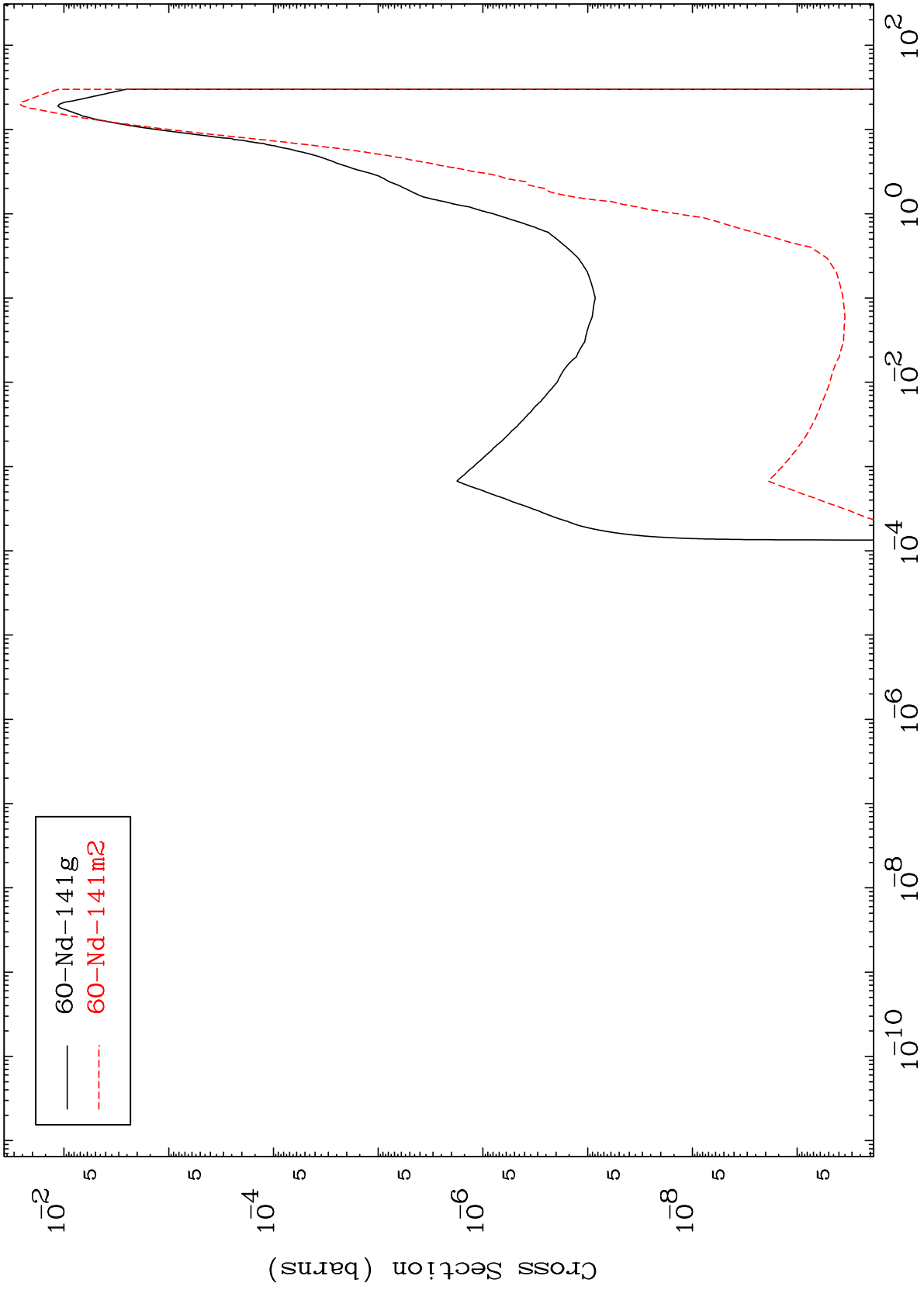


MAT 6225

(n,  $\alpha$ )

62-Sm-144

Radionuclide Production Cross Section



134

Incident Energy (MeV)

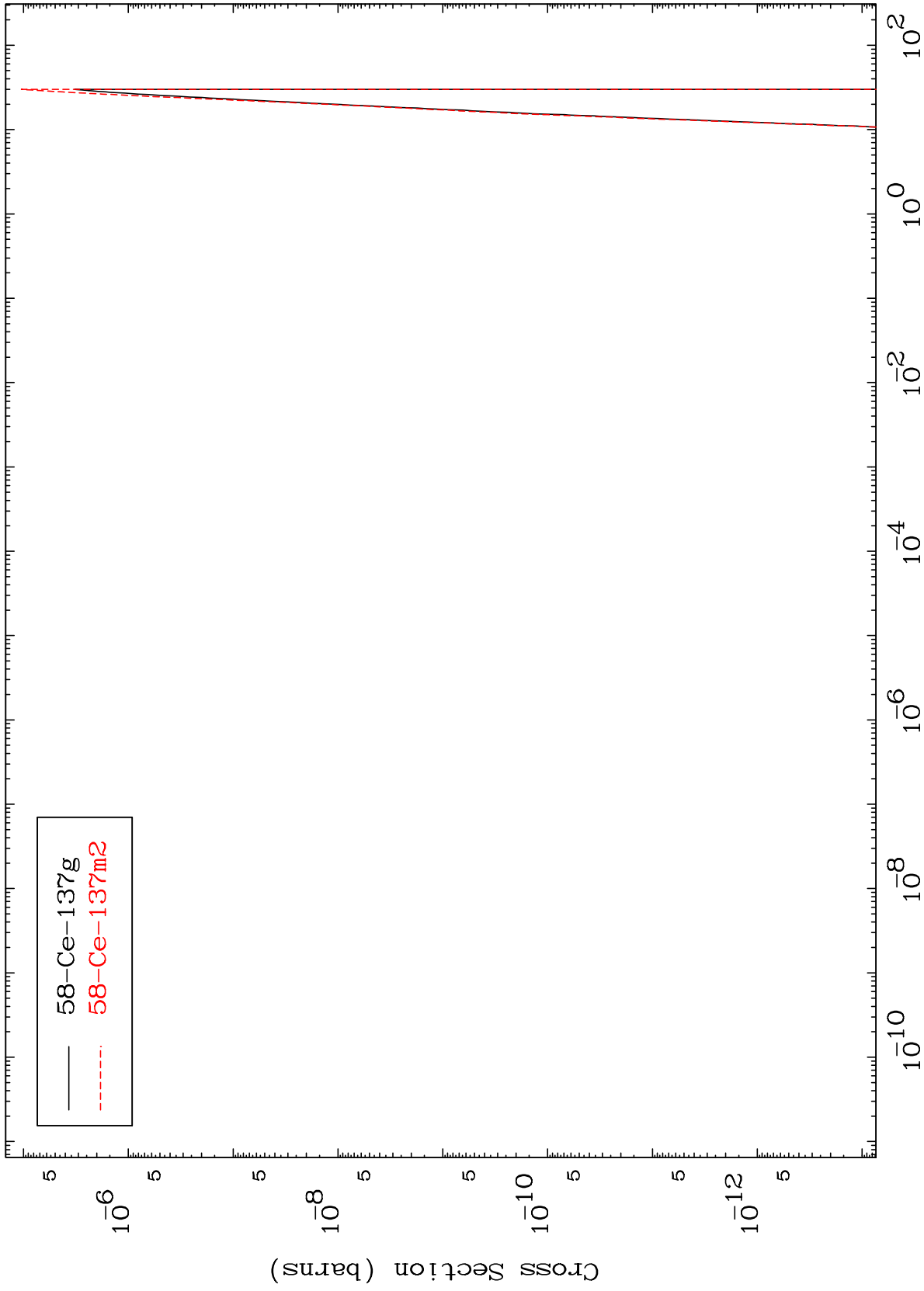
62-Sm-144

MAT 6225

(n,2α)

62-Sm-144

Radionuclide Production Cross Section



135

Incident Energy (MeV)

62-Sm-144

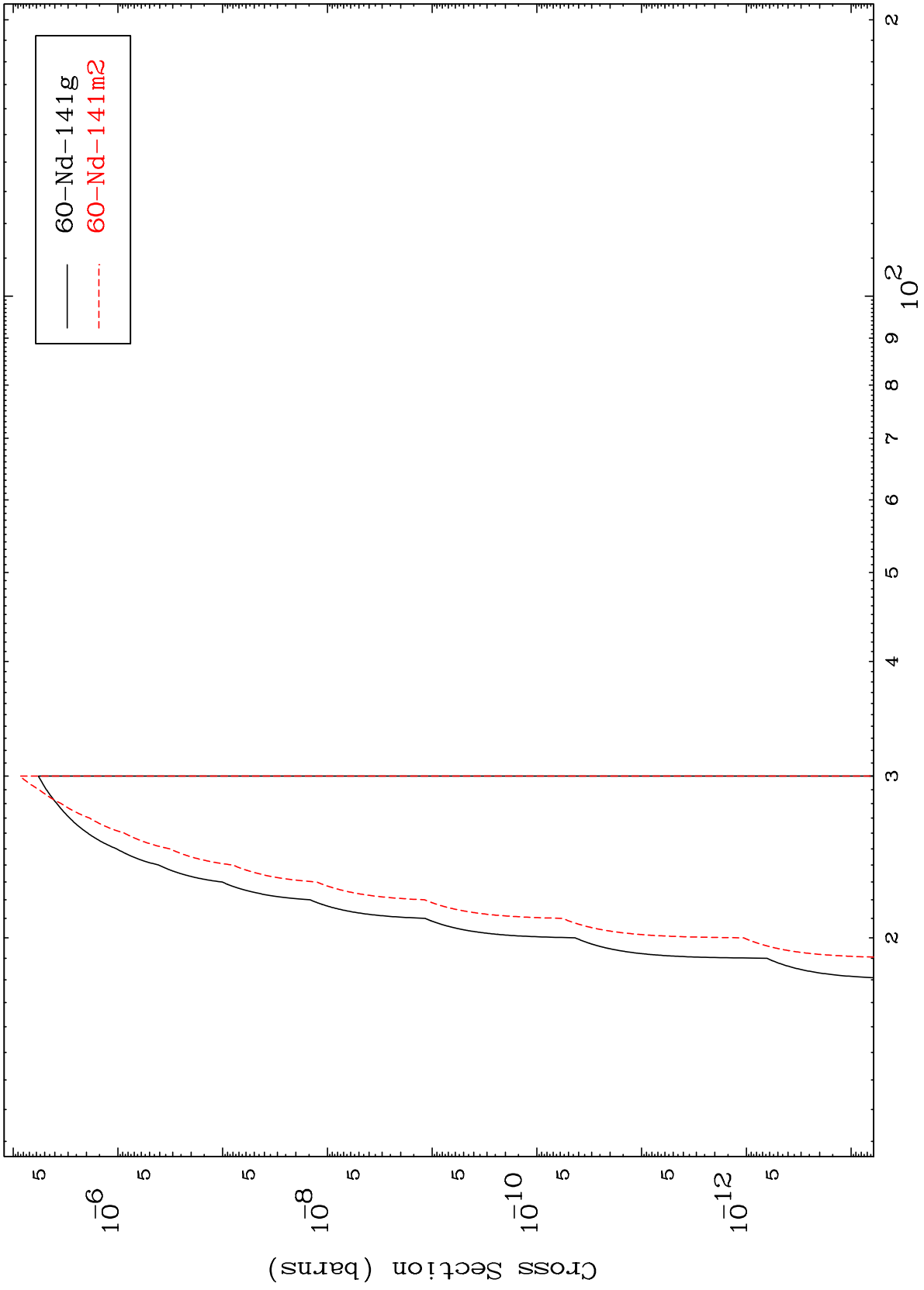


MAT 6225

(n,p) t

62-Sm-144

Radionuclide Production Cross Section



136

Incident Energy (MeV)

62-Sm-144