

Program EVALPLOT  
(Version 2018-1)

by

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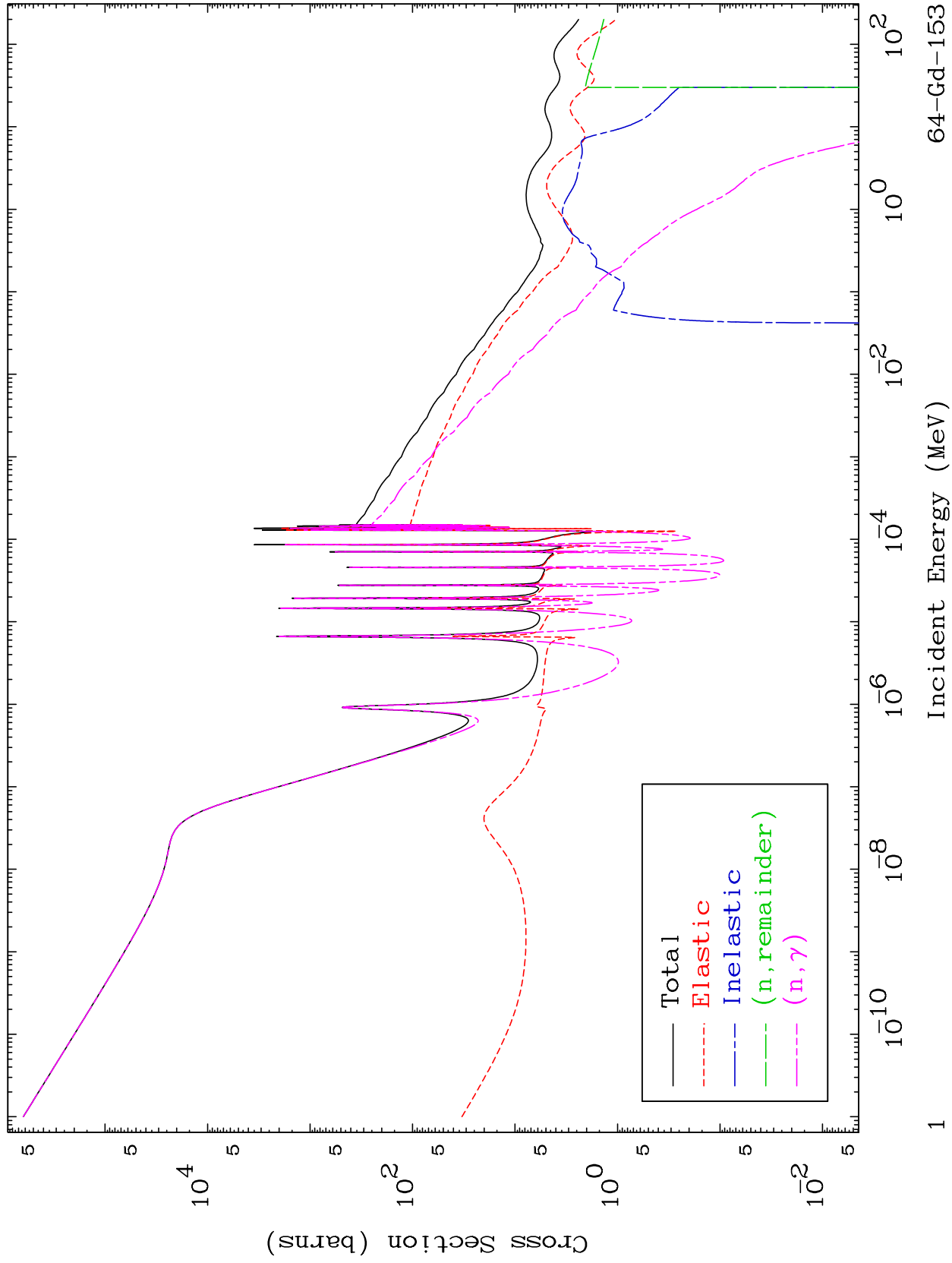
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6428

Major  
293 Kelvin Cross Sections

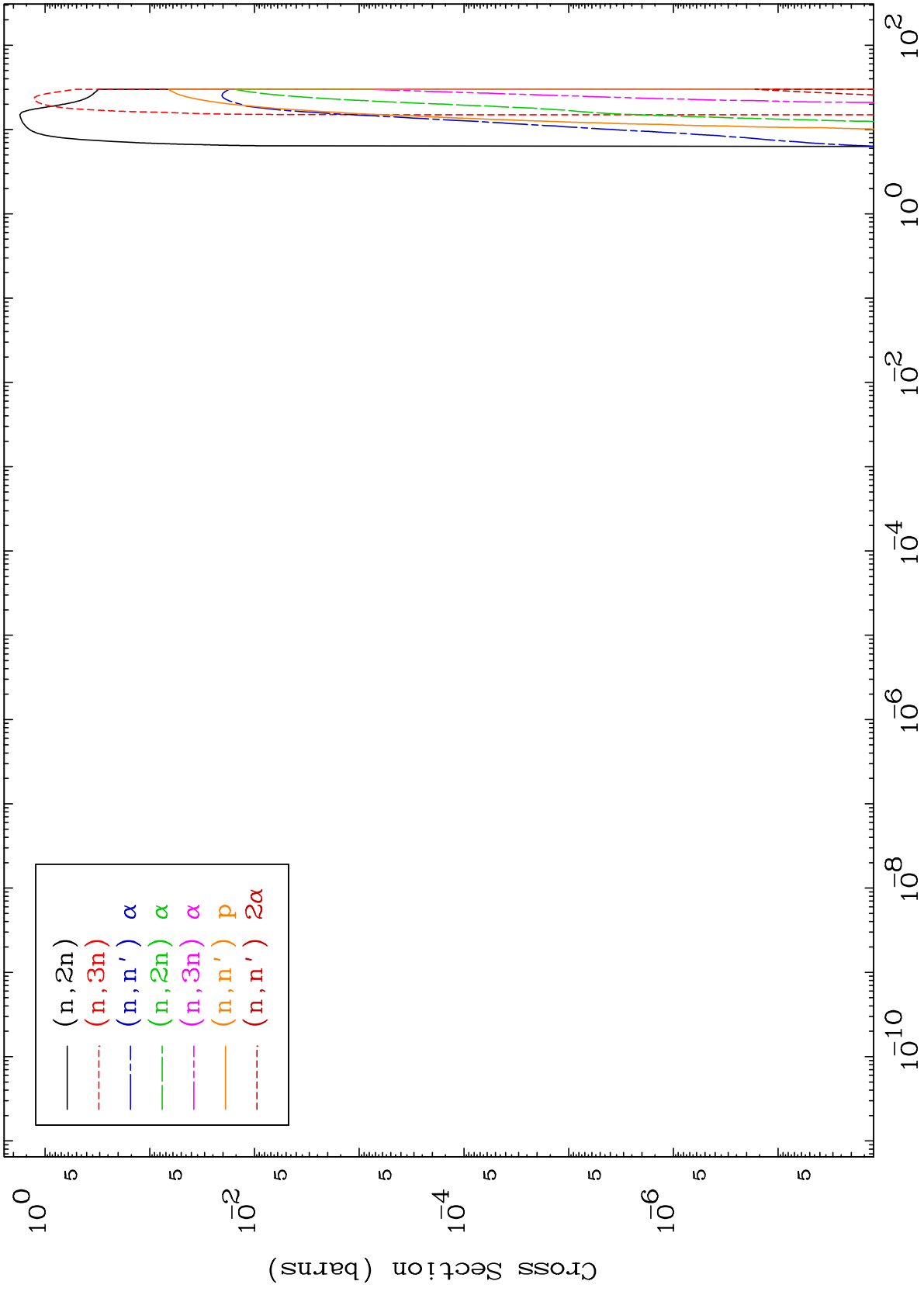
64-Gd-153



MAT 6428

Neutron Production  
293 Kelvin Cross Sections

64-Gd-153



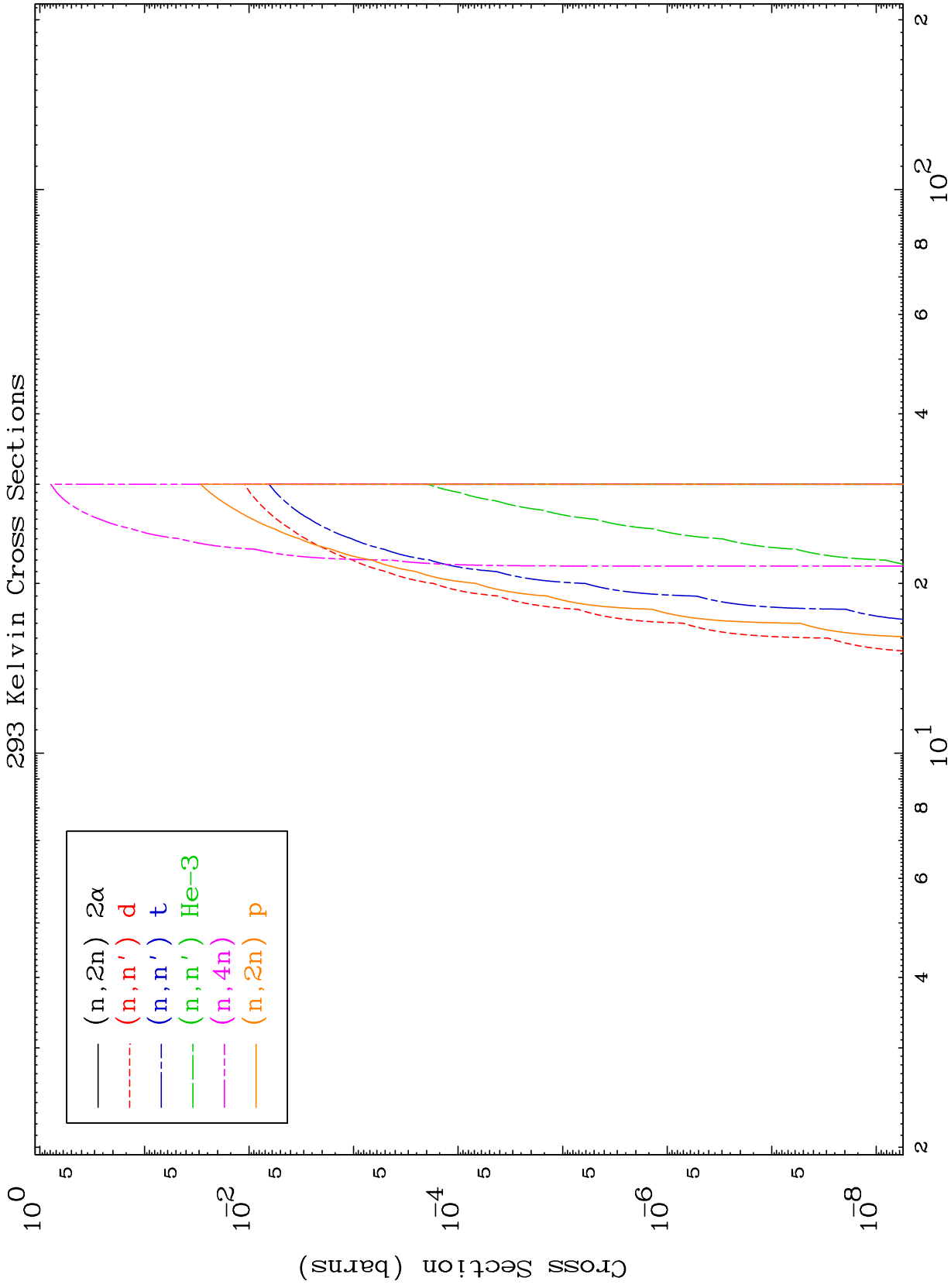
2

64-Gd-153

MAT 6428

Neutron Production  
293 Kelvin Cross Sections

64-Gd-153



3

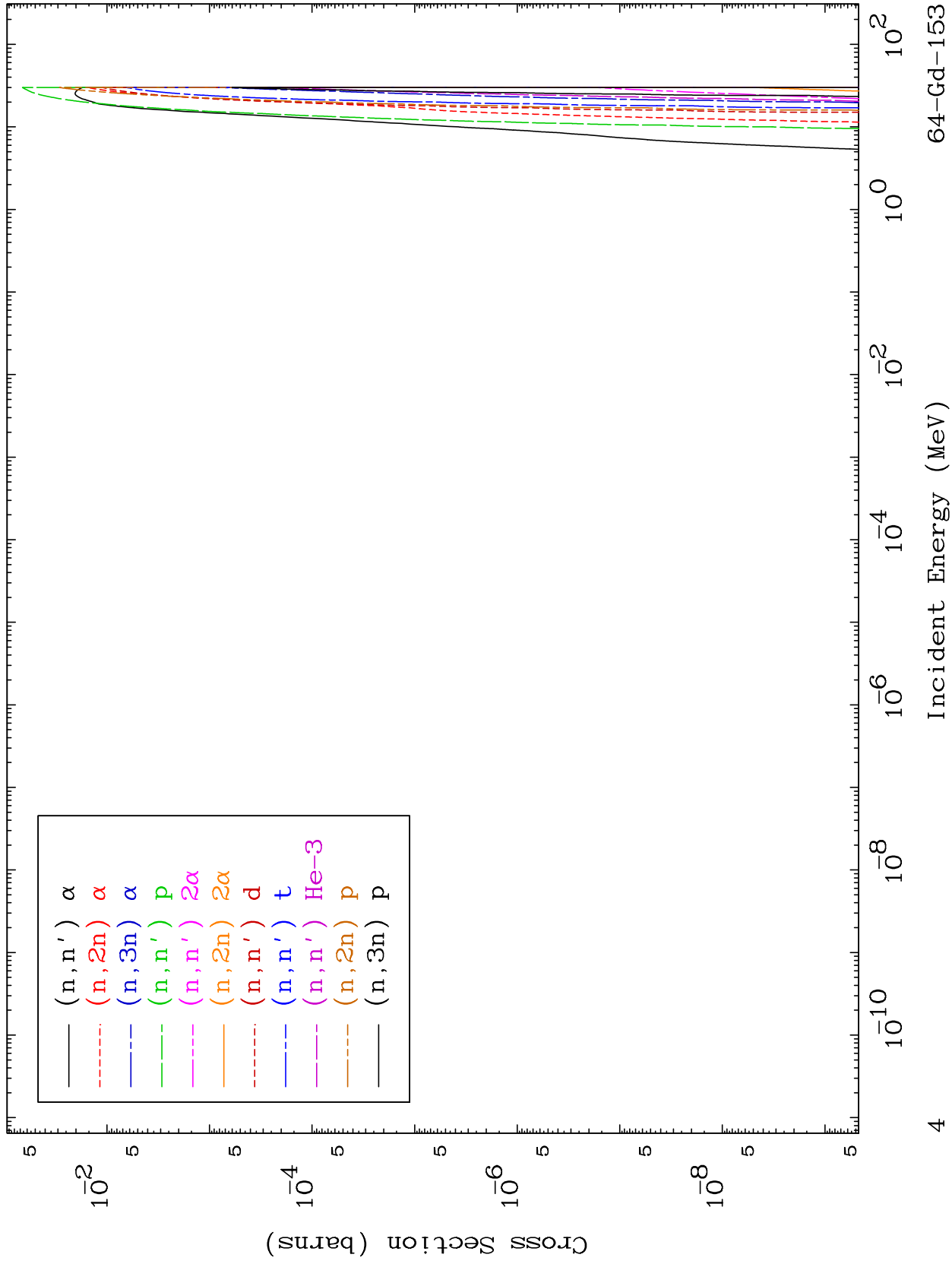
Incident Energy (MeV)

64-Gd-153

MAT 6428

Charged Particle  
293 Kelvin Cross Sections

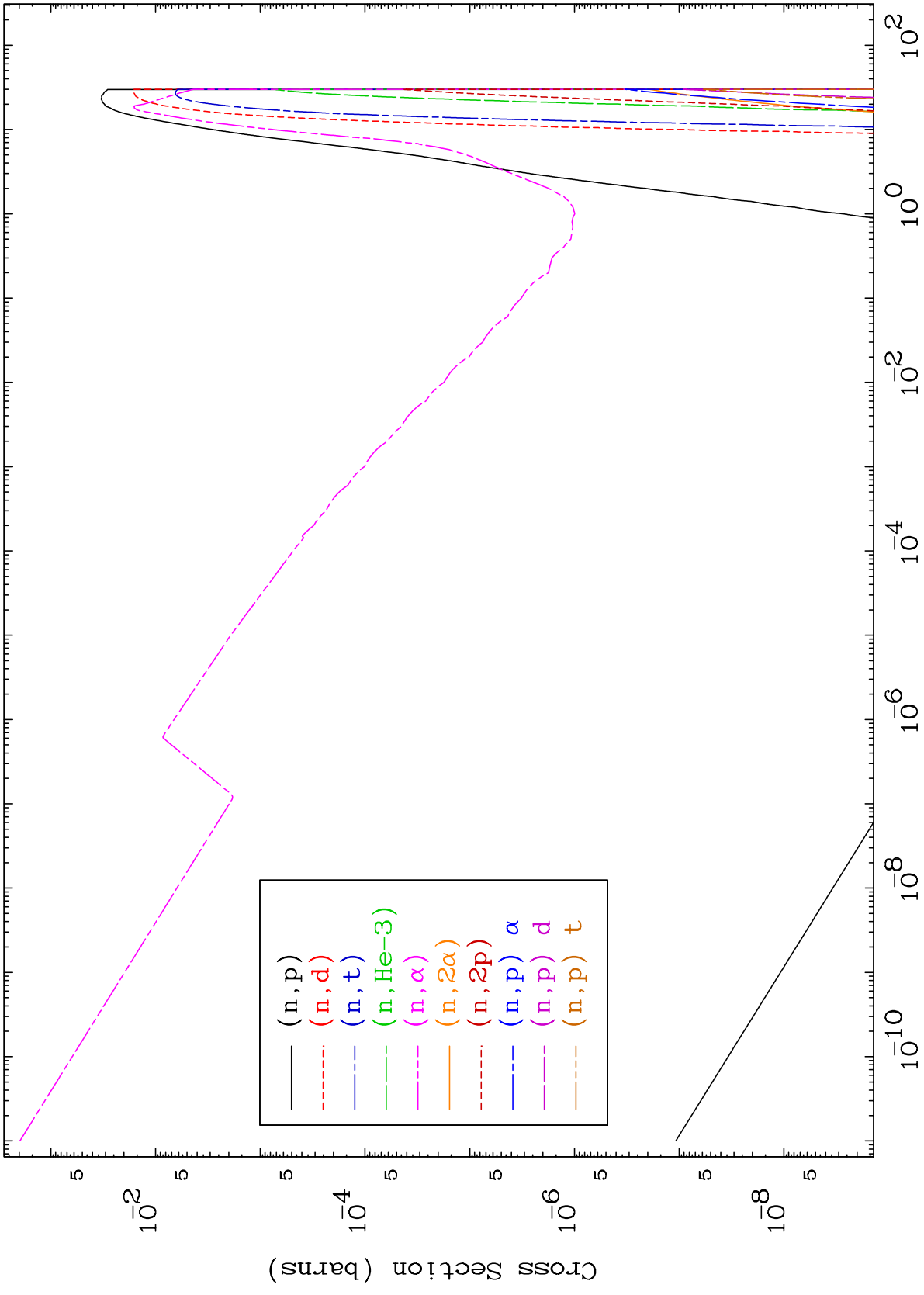
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MAT 6428

293 Kelvin Cross Sections

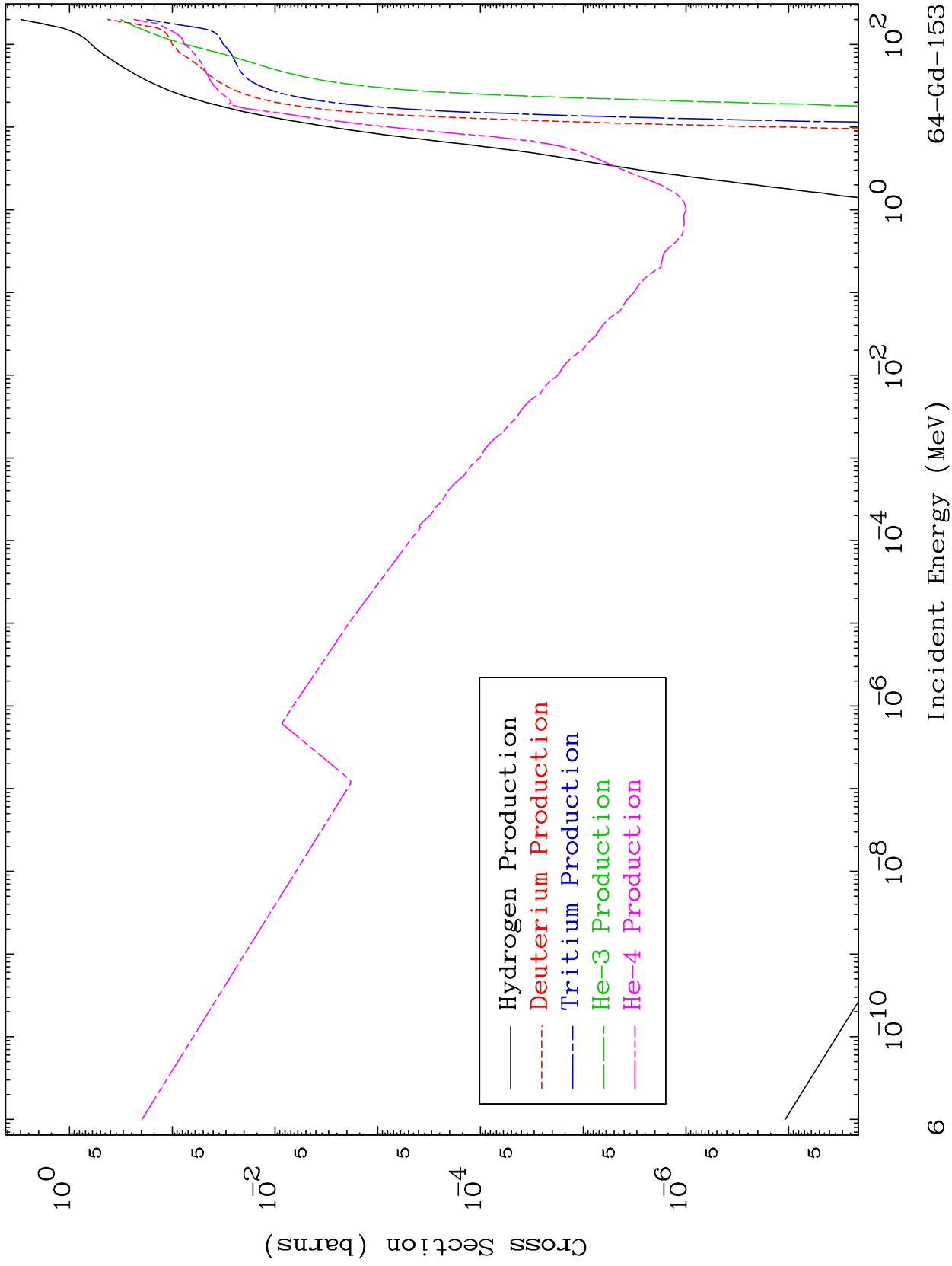
64-Gd-153



MAT 6428

Particle Production  
293 Kelvin Cross Sections

64-Gd-153

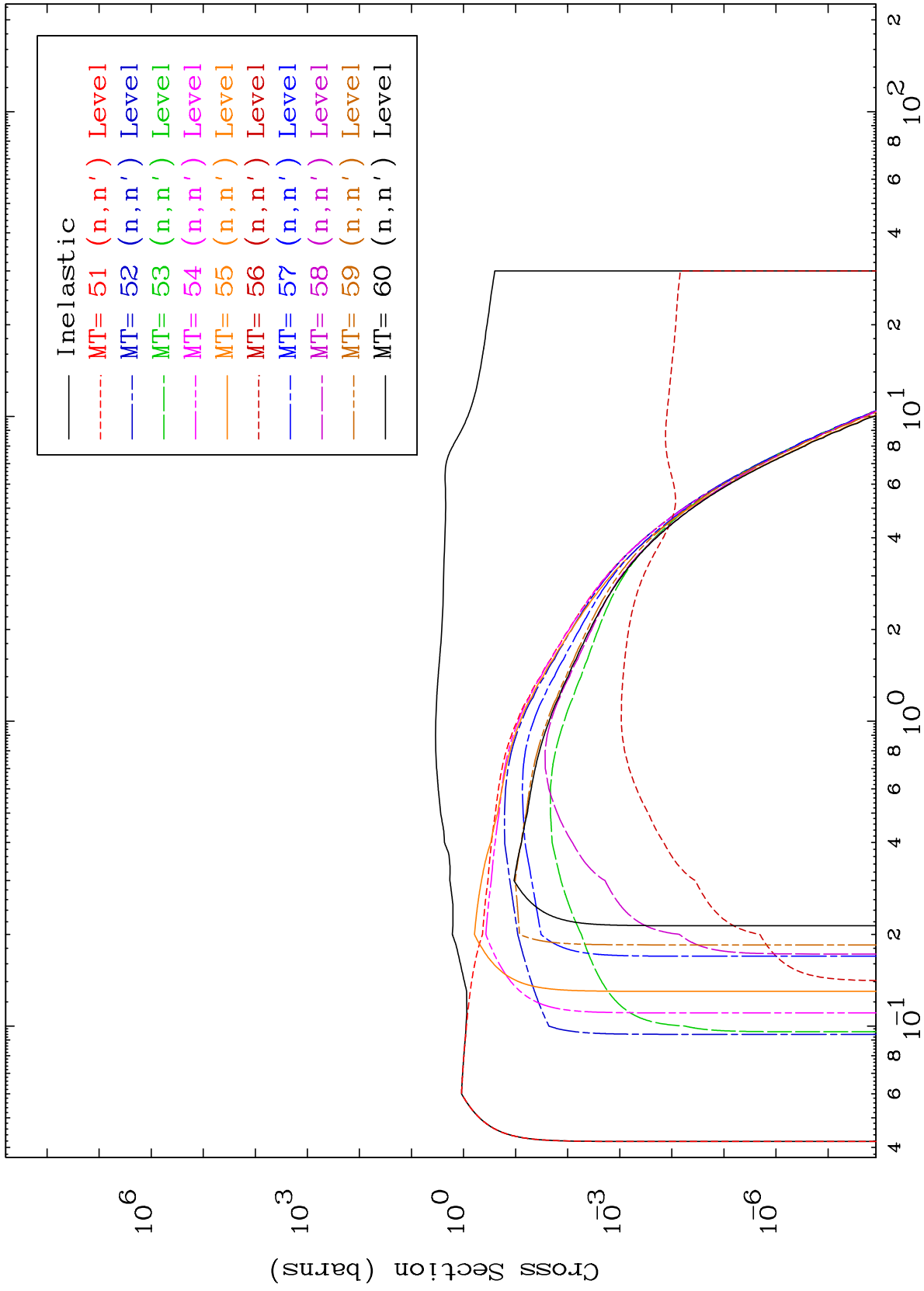


MAT 6428

(n,n') Level

64-Gd-153

293 Kelvin Cross Sections



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Incident Energy (MeV)

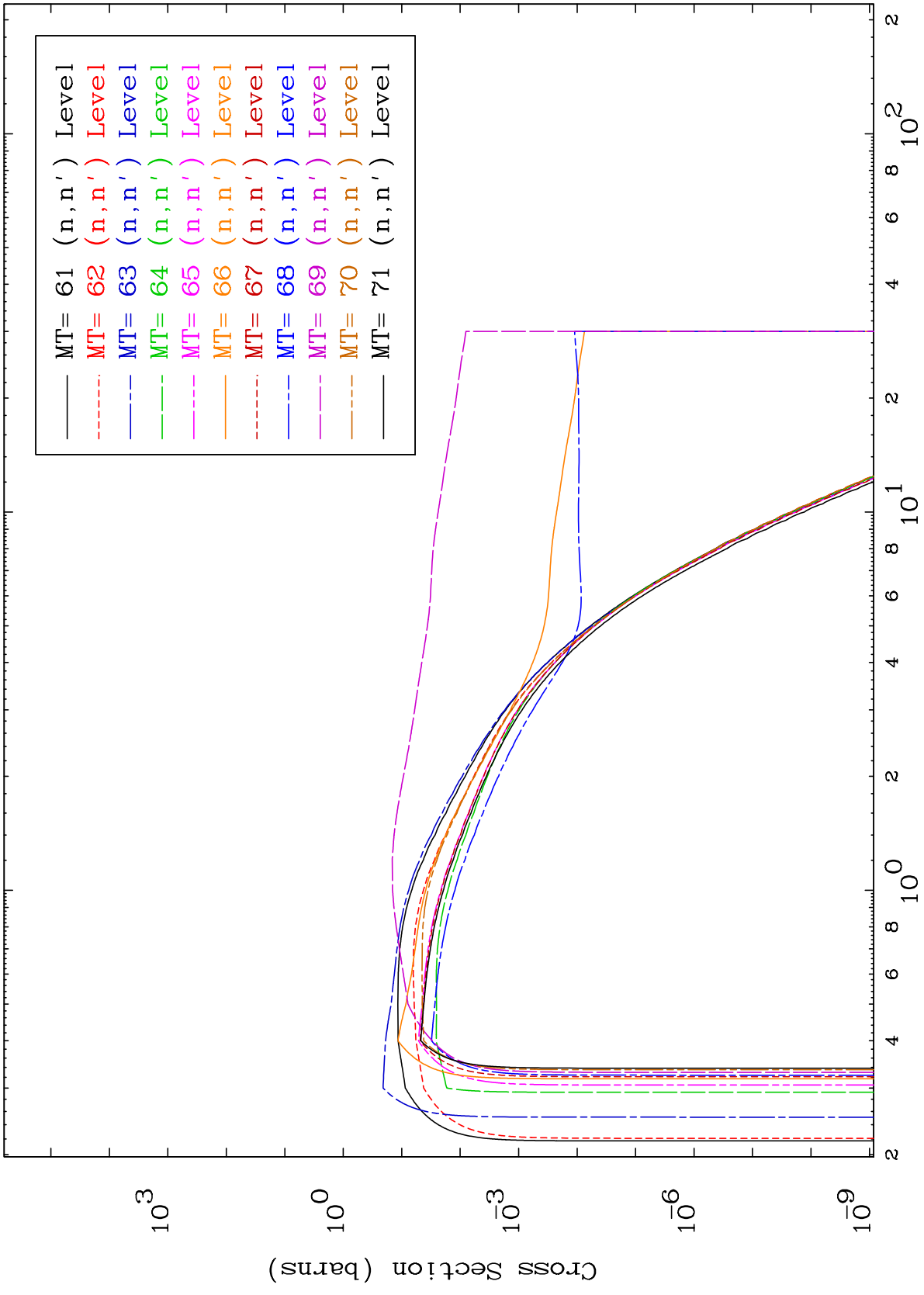
64-Gd-153



MAT 6428

(n,n') Level  
293 Kelvin Cross Sections

64-Gd-153



8

Incident Energy (MeV)

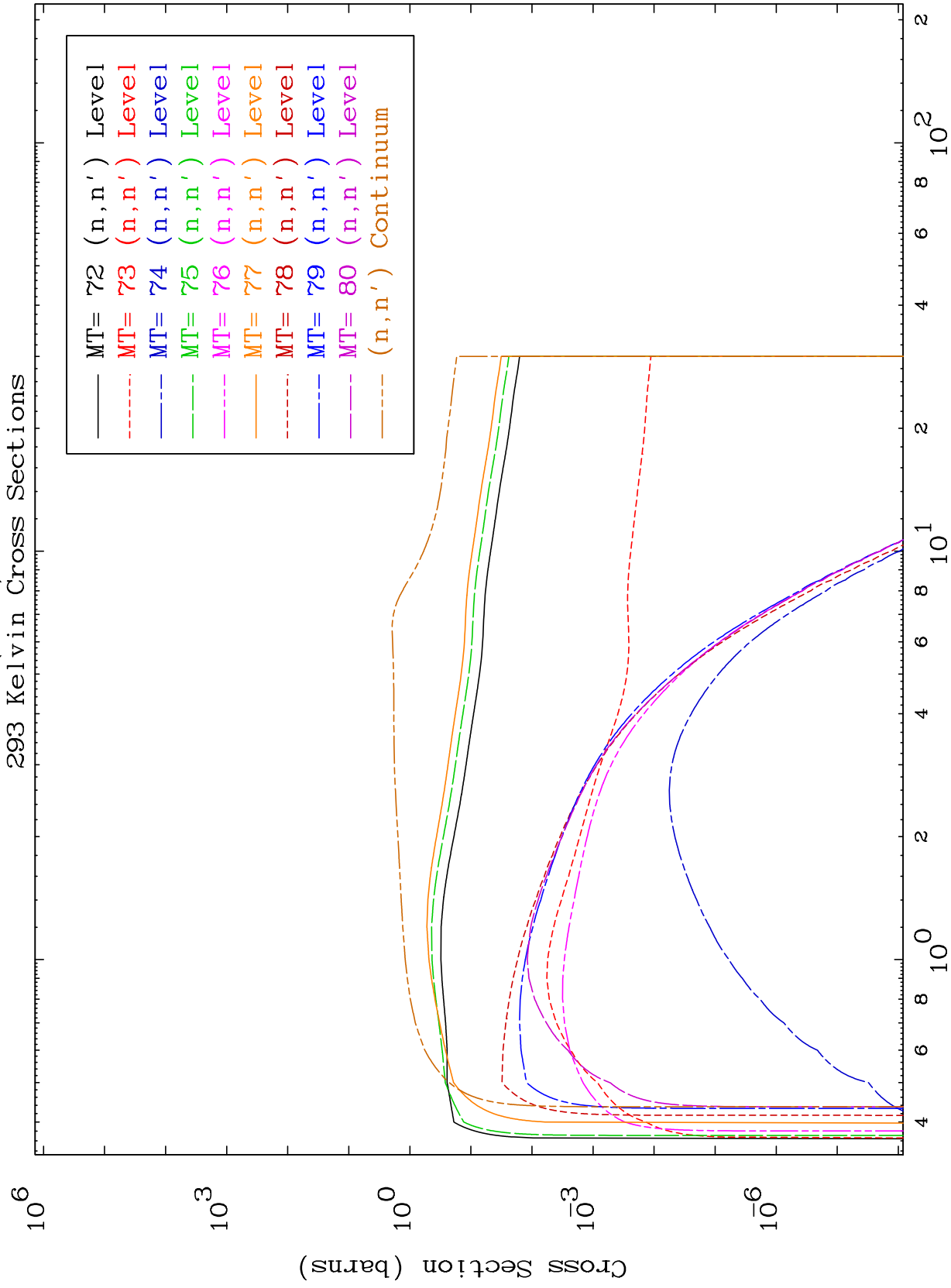
64-Gd-153

MAT 6428

(n,n') Level

64-Gd-153

293 Kelvin Cross Sections



9

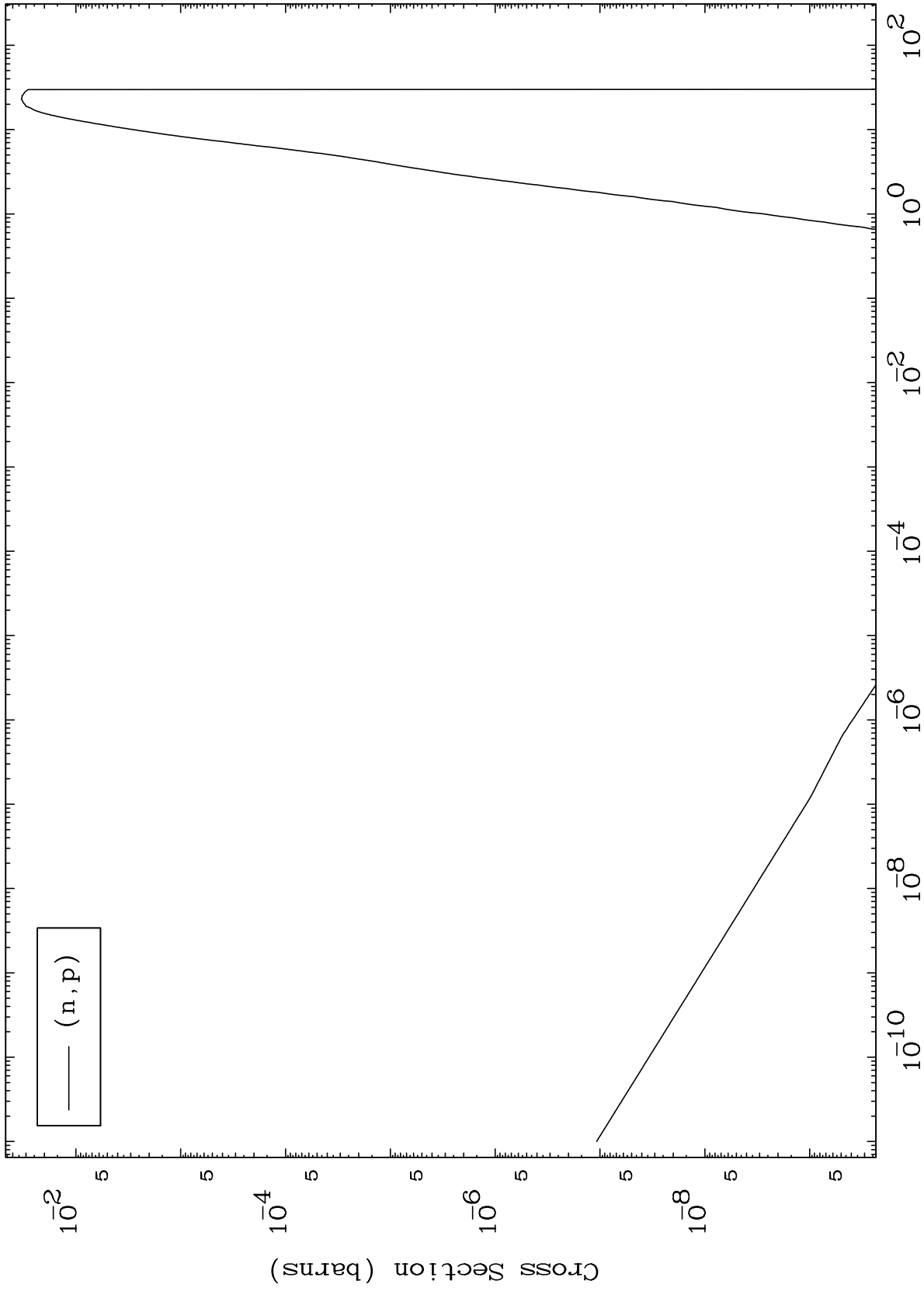
Incident Energy (MeV)

64-Gd-153

MAT 6428

(n,p) Levels  
293 Kelvin Cross Sections

64-Gd-153



10

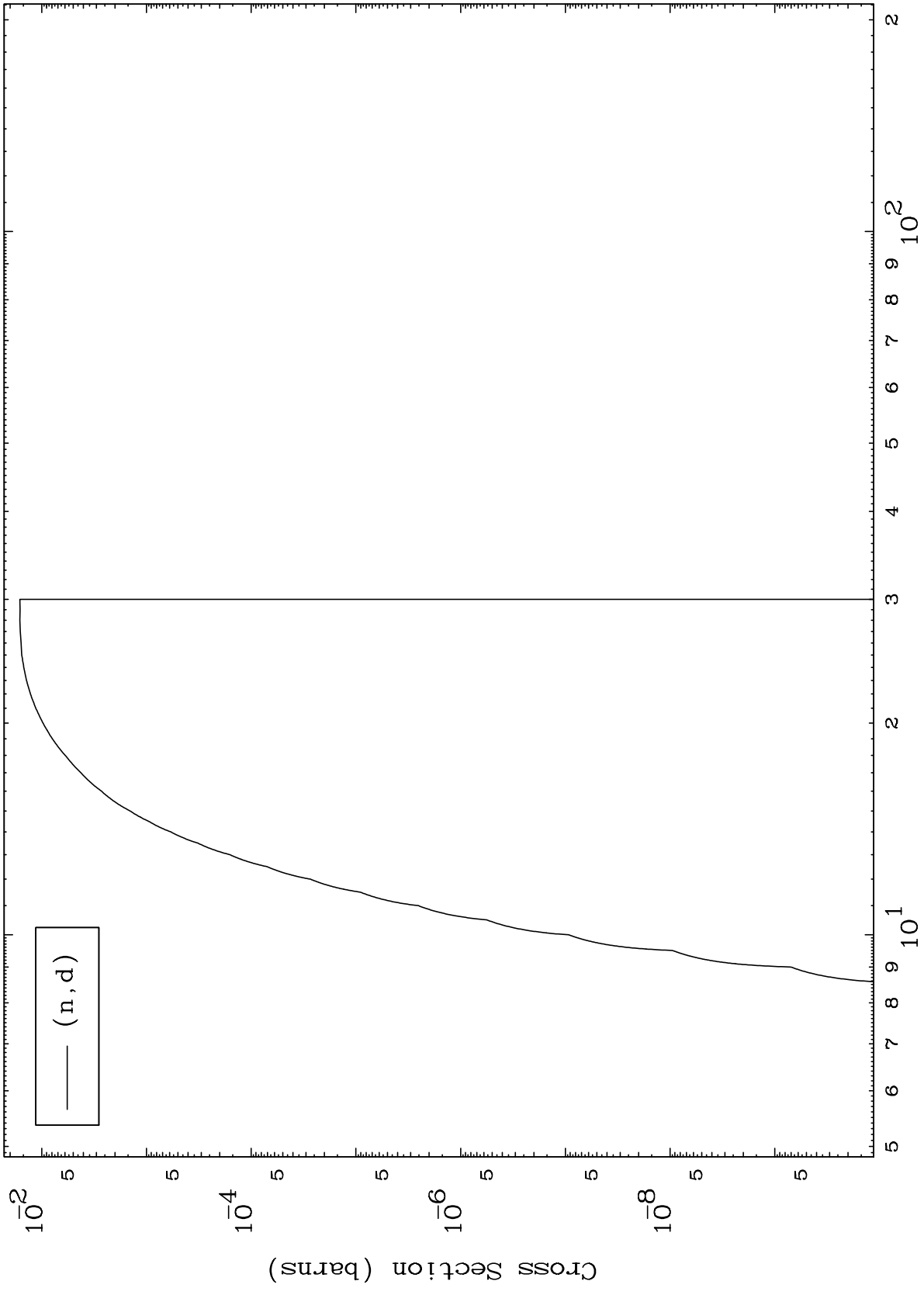
Incident Energy (MeV)

64-Gd-153

MAT 6428

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-153



11

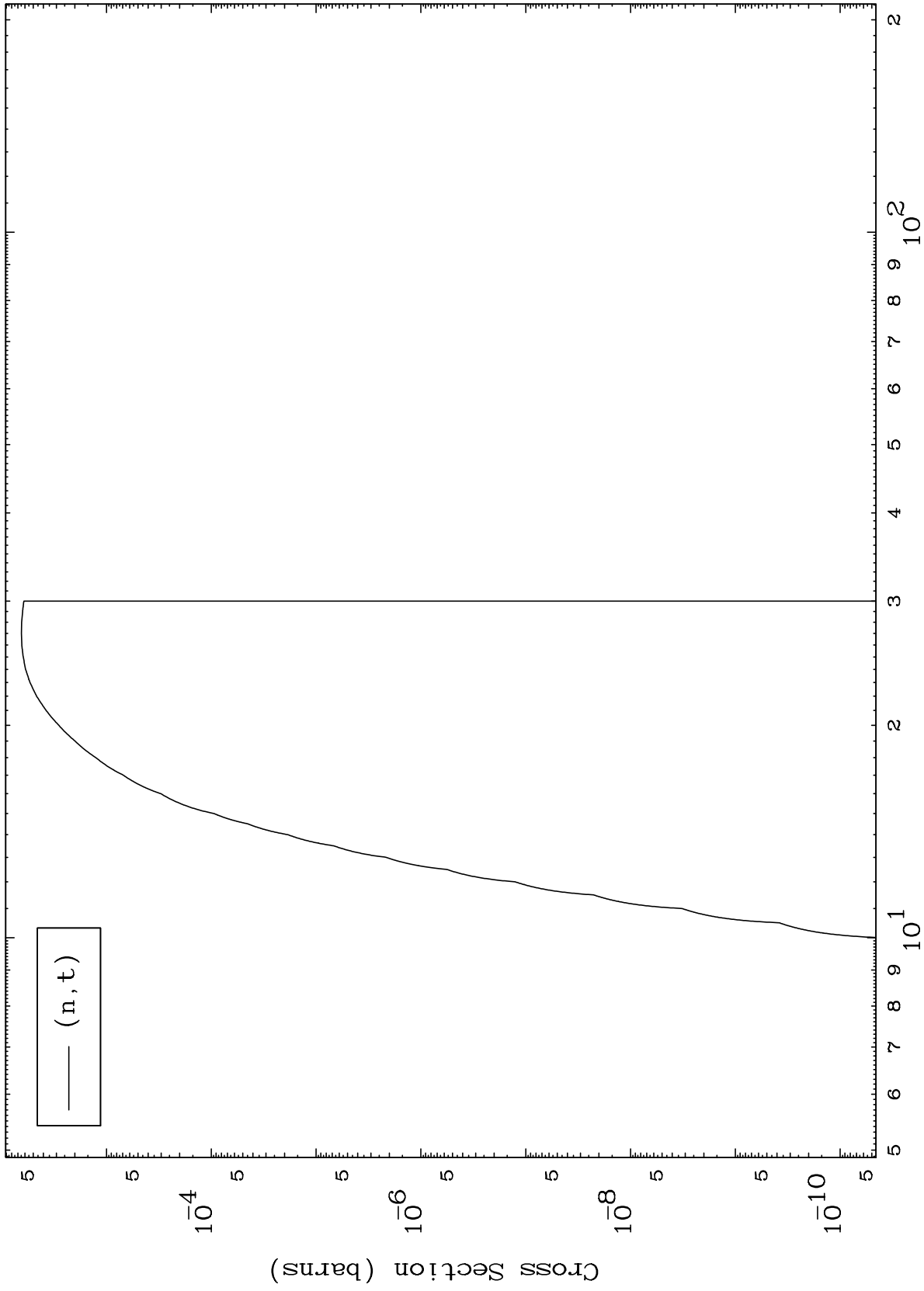
Incident Energy (MeV)

64-Gd-153

MAT 6428

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-153



12

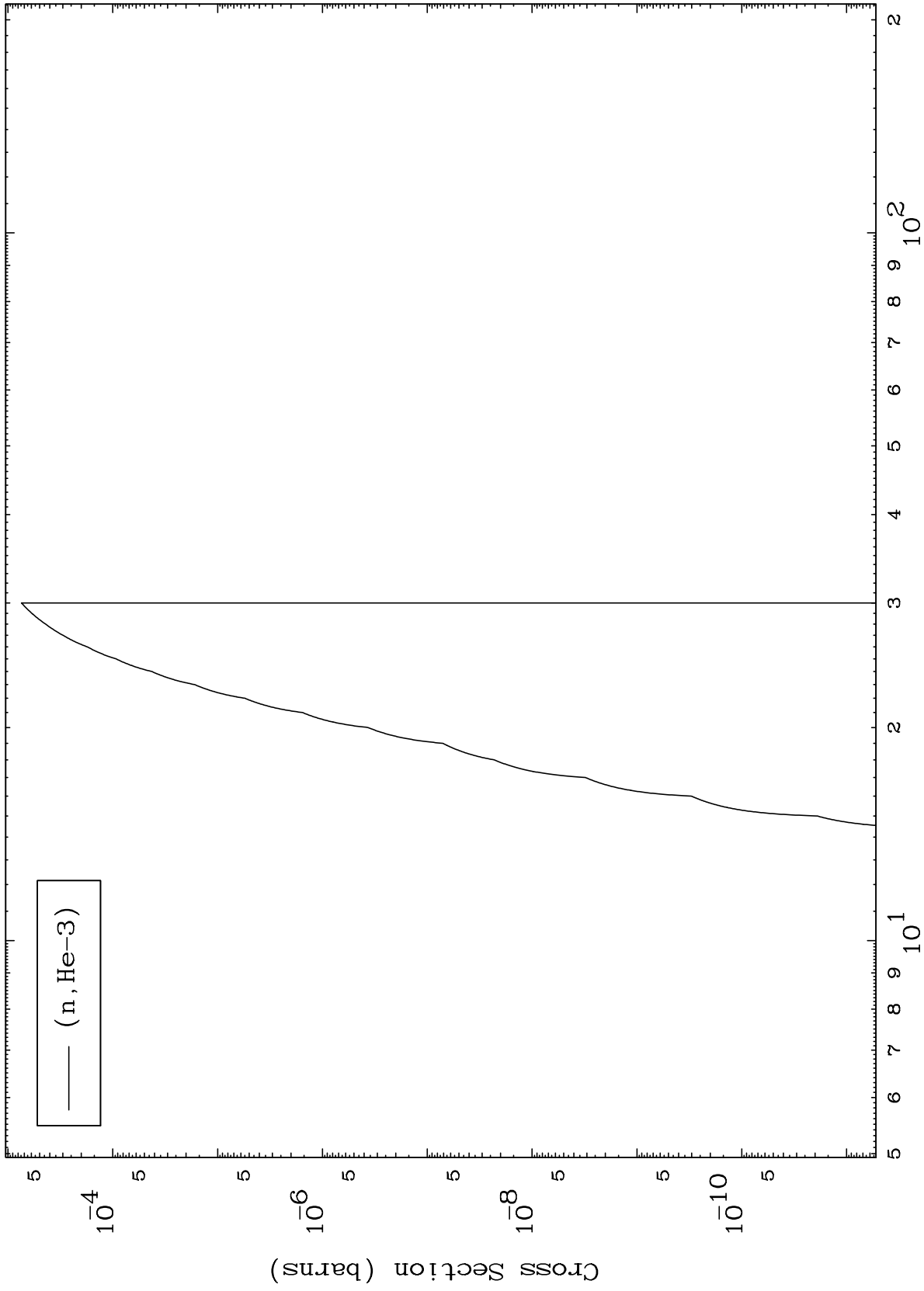
Incident Energy (MeV)

64-Gd-153

MAT 6428

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-153



13

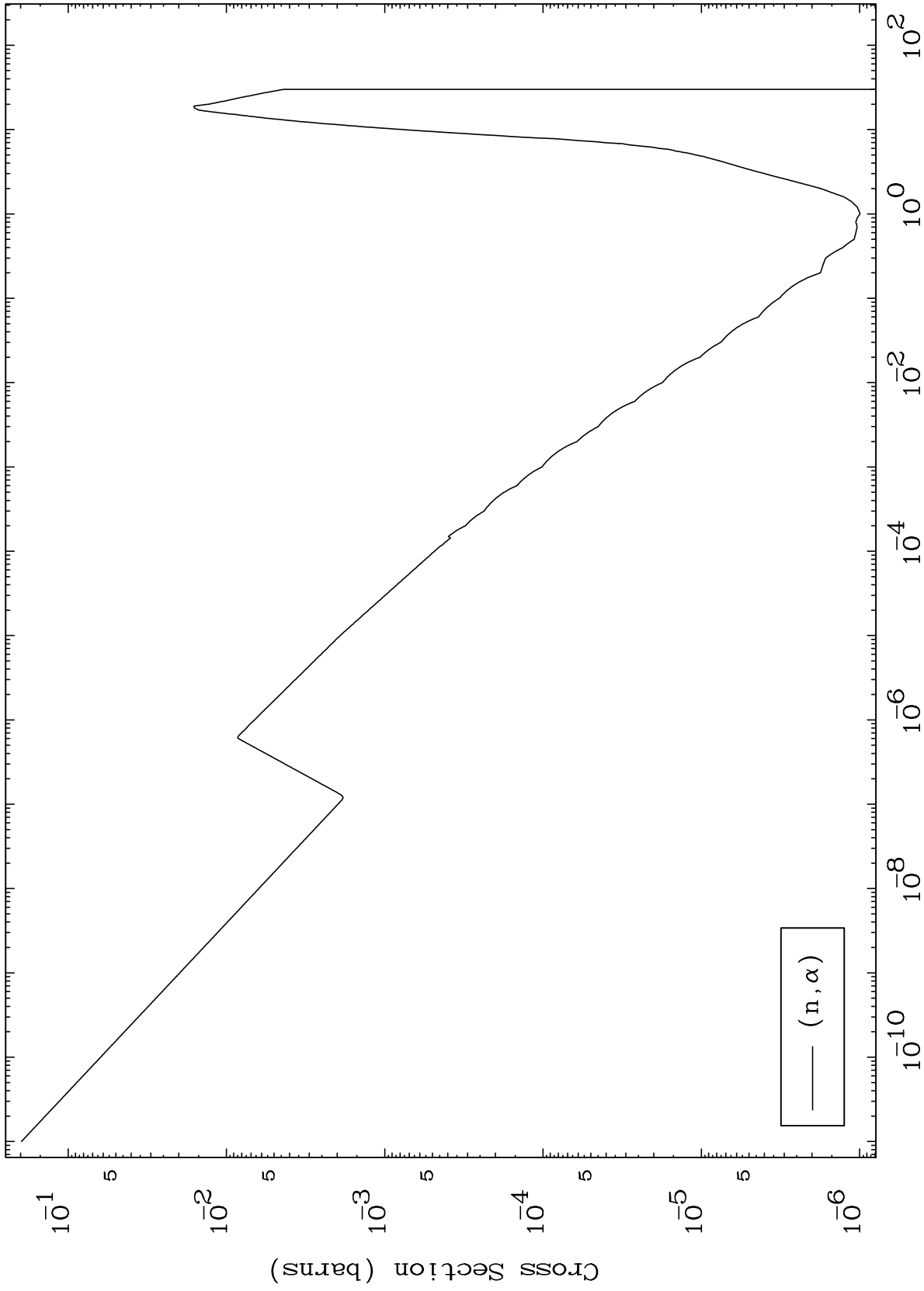
Incident Energy (MeV)

64-Gd-153

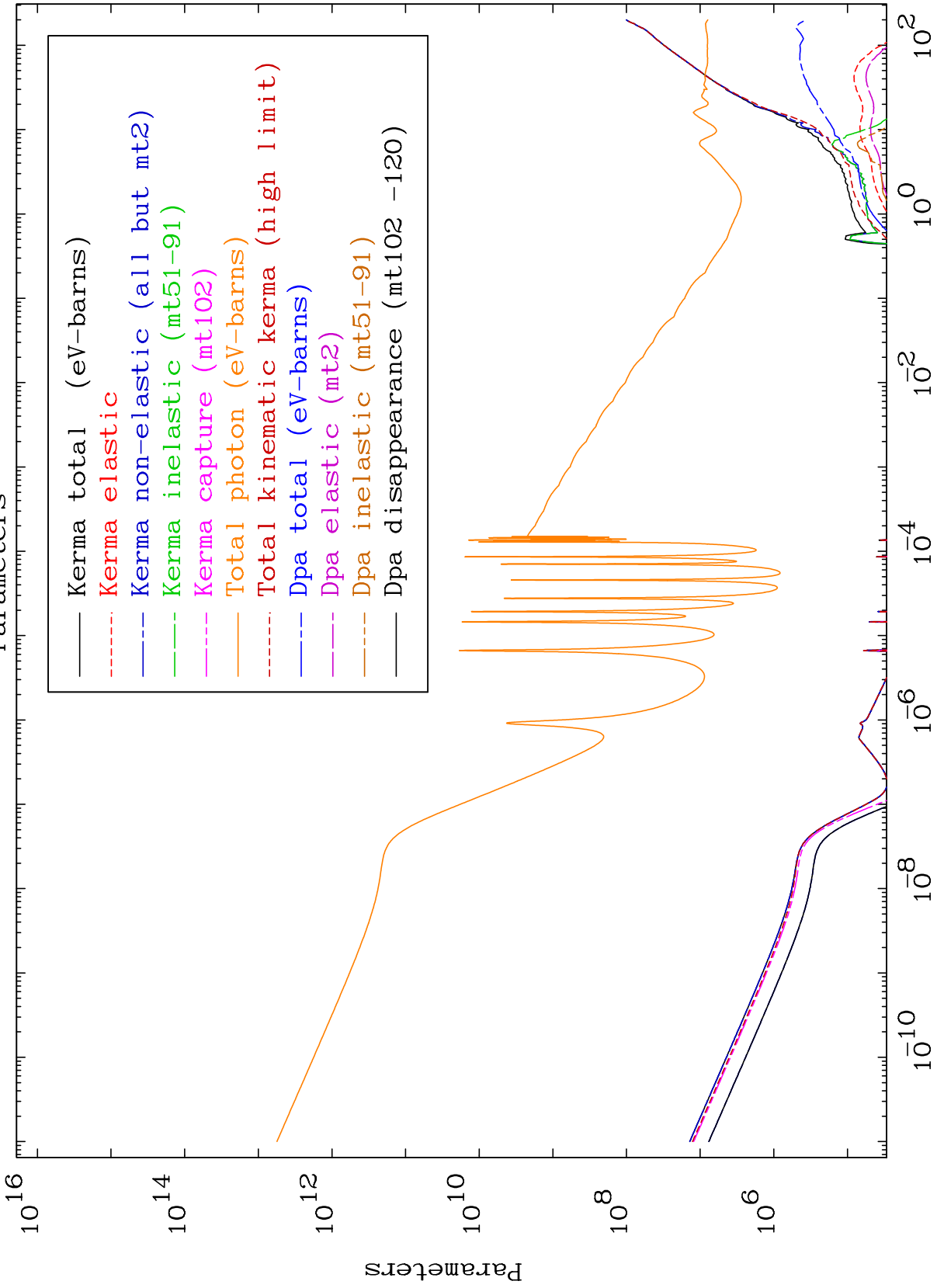
MAT 6428

(n, $\alpha$ ) Levels  
293 Kelvin Cross Sections

64-Gd-153



— (n,  $\alpha$ )

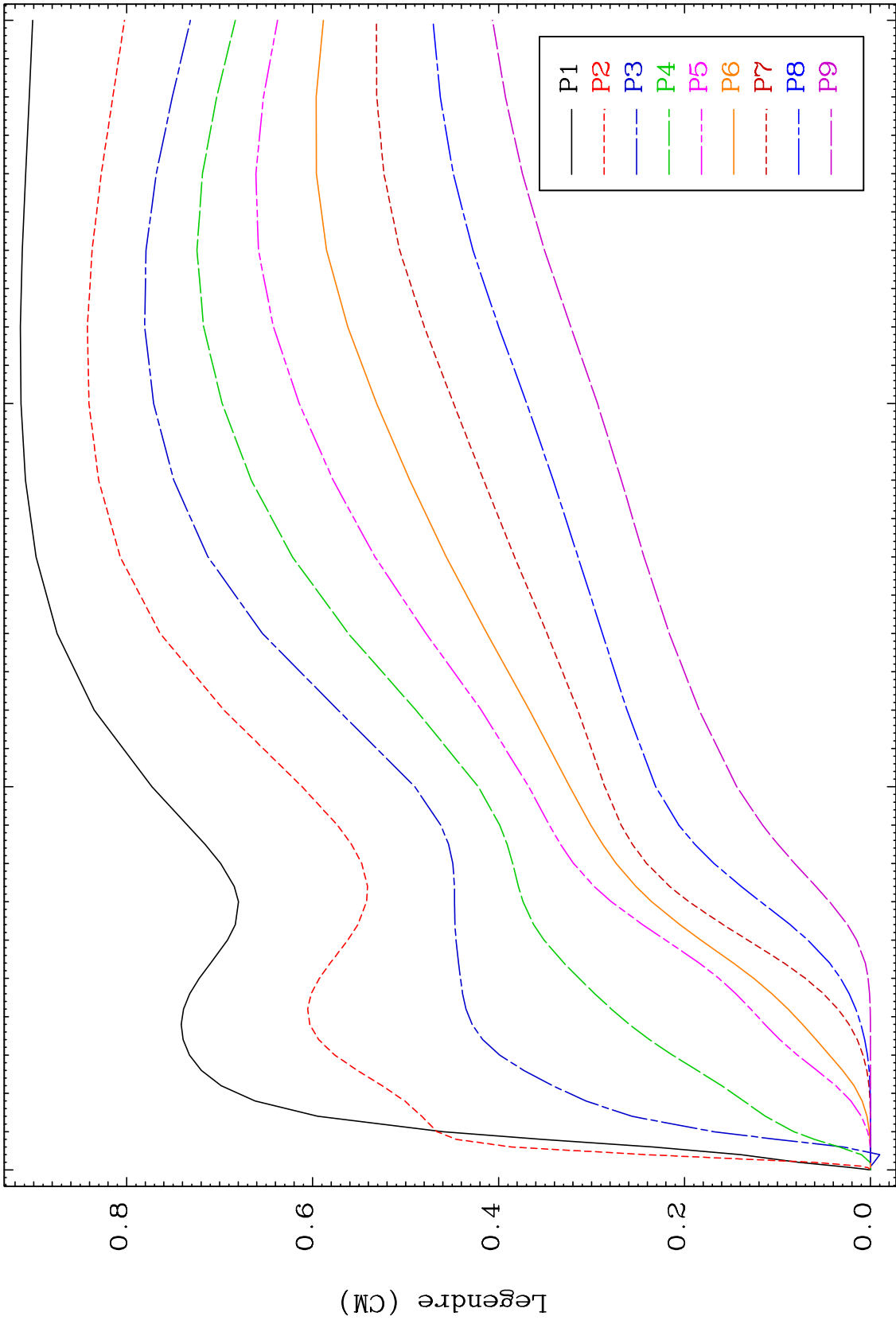




MAT 6428

Elastic Legendre Coefficients

64-Gd-153



16

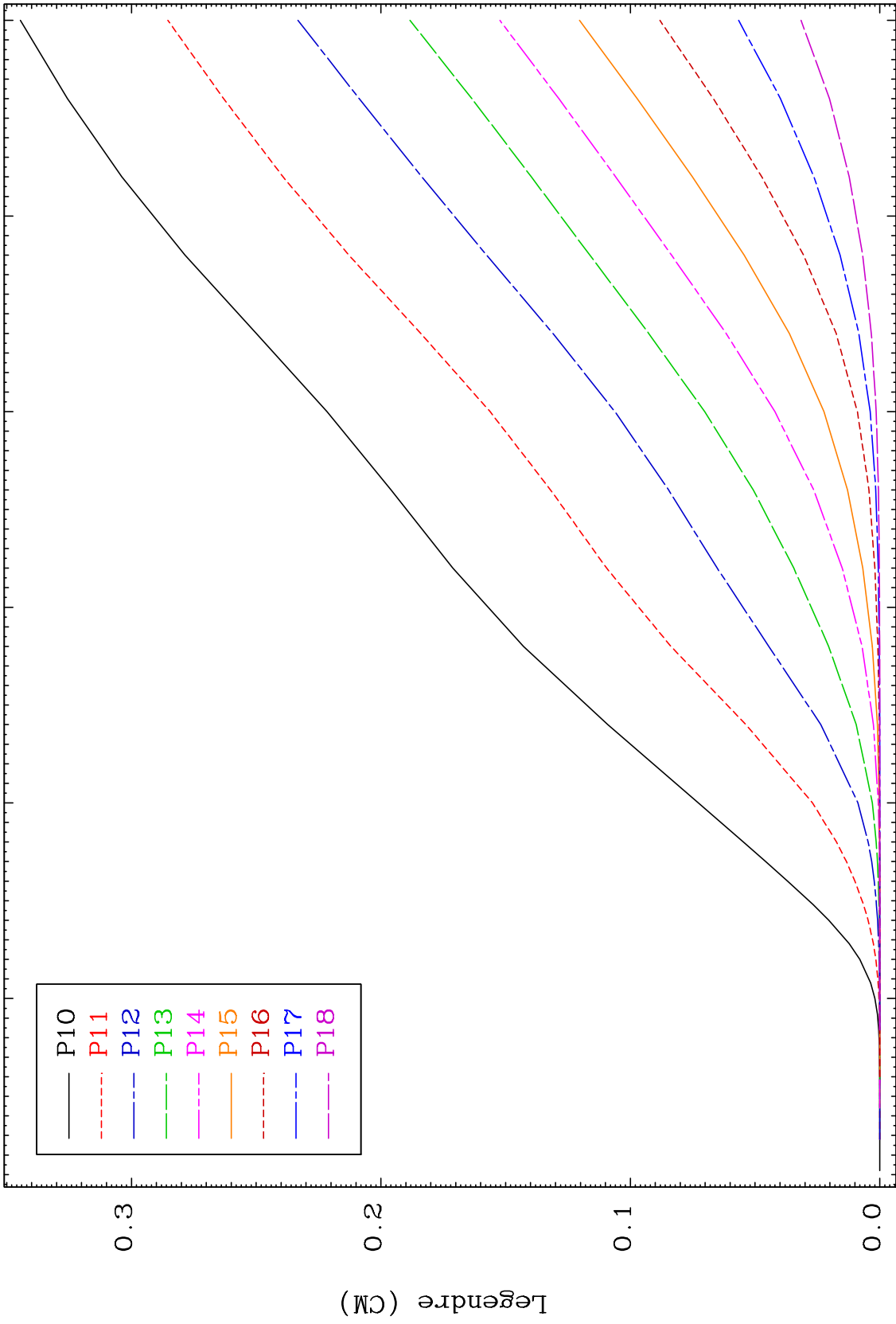
Incident Energy (MeV)

64-Gd-153

MAT 6428

Elastic Legendre Coefficients

64-Gd-153



17

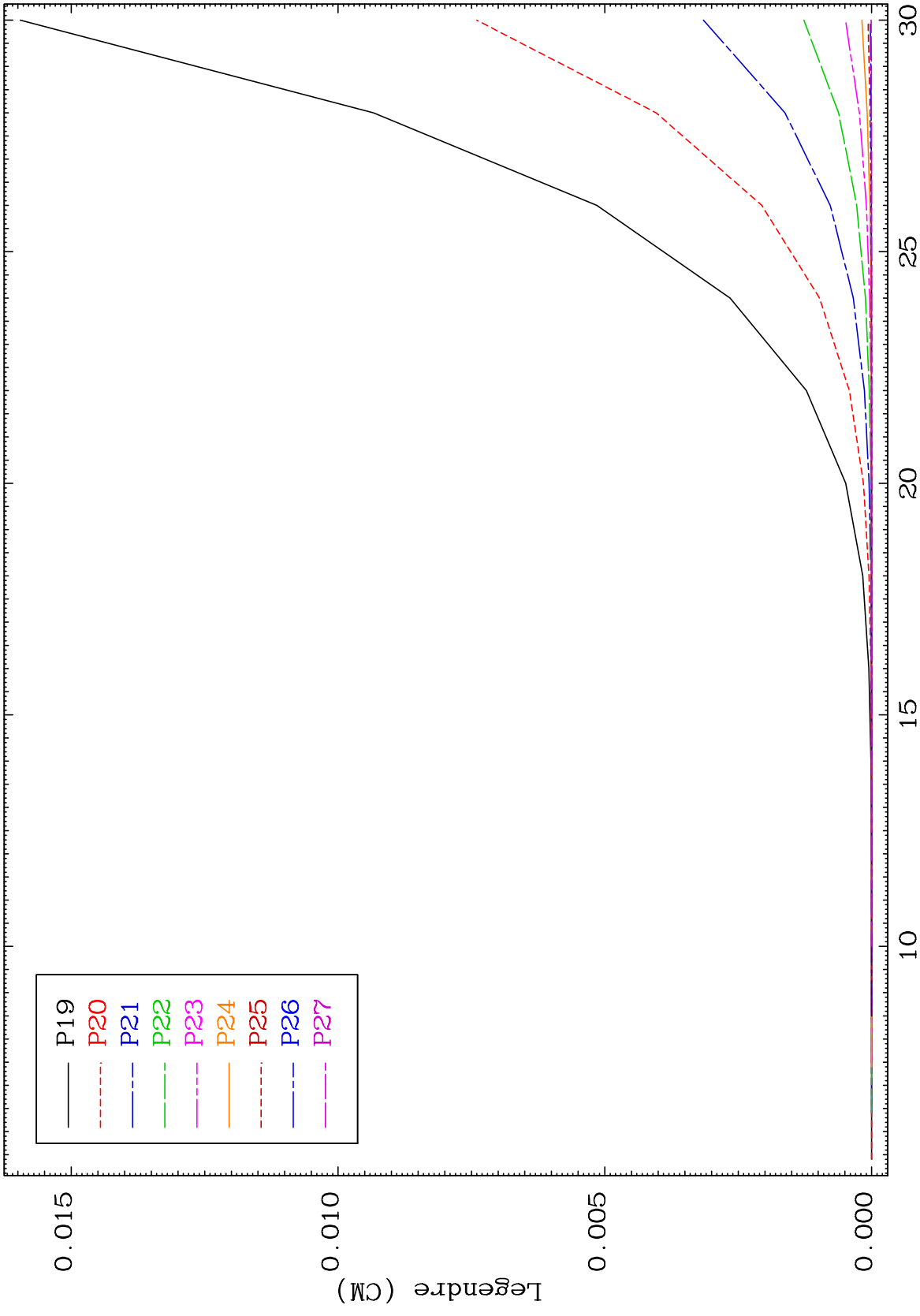
Incident Energy (MeV)

64-Gd-153

MAT 6428

### Elastic Legendre Coefficients

64-Gd-153



18

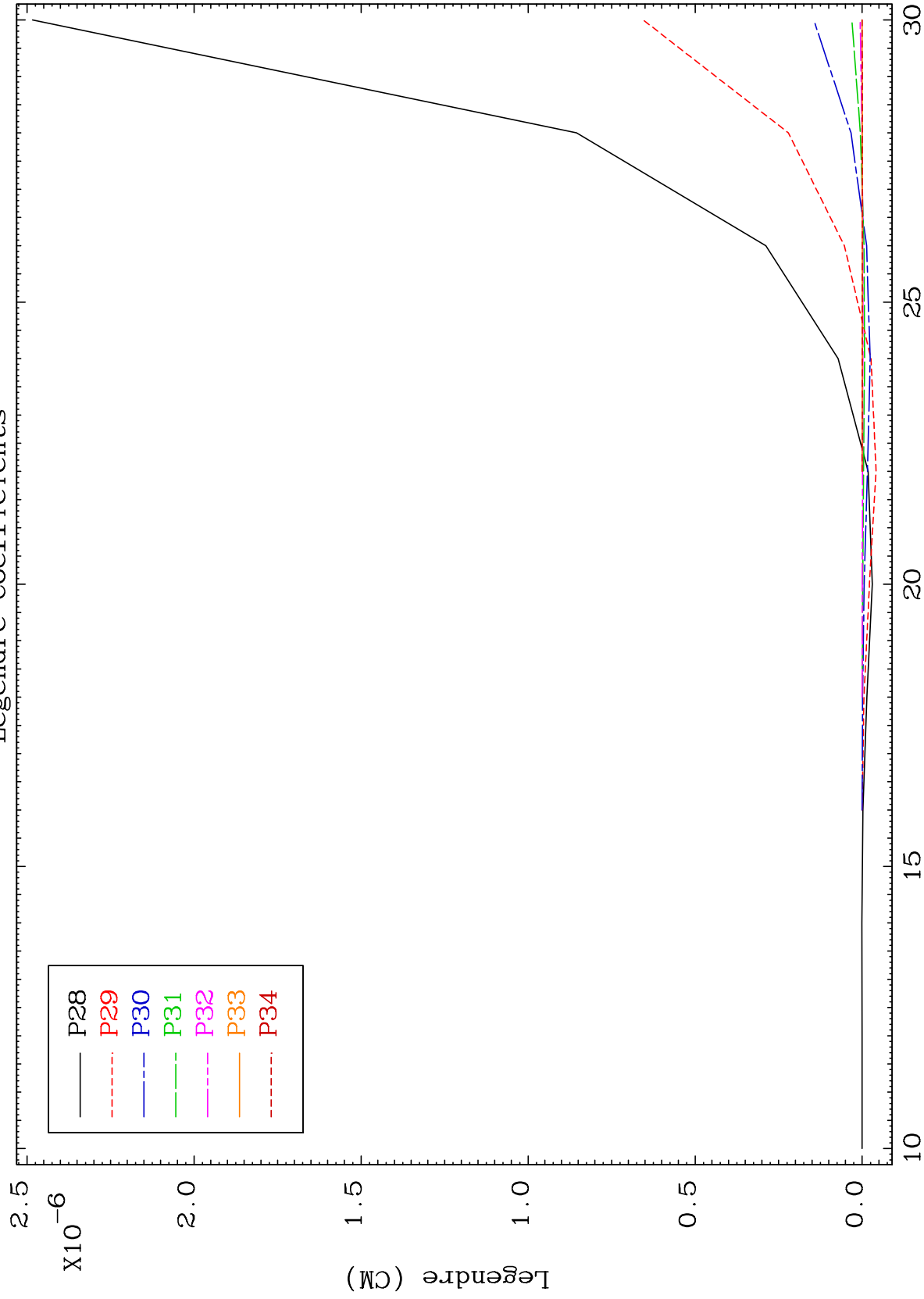
Incident Energy (MeV)

64-Gd-153

MAT 6428

Elastic Legendre Coefficients

64-Gd-153



19

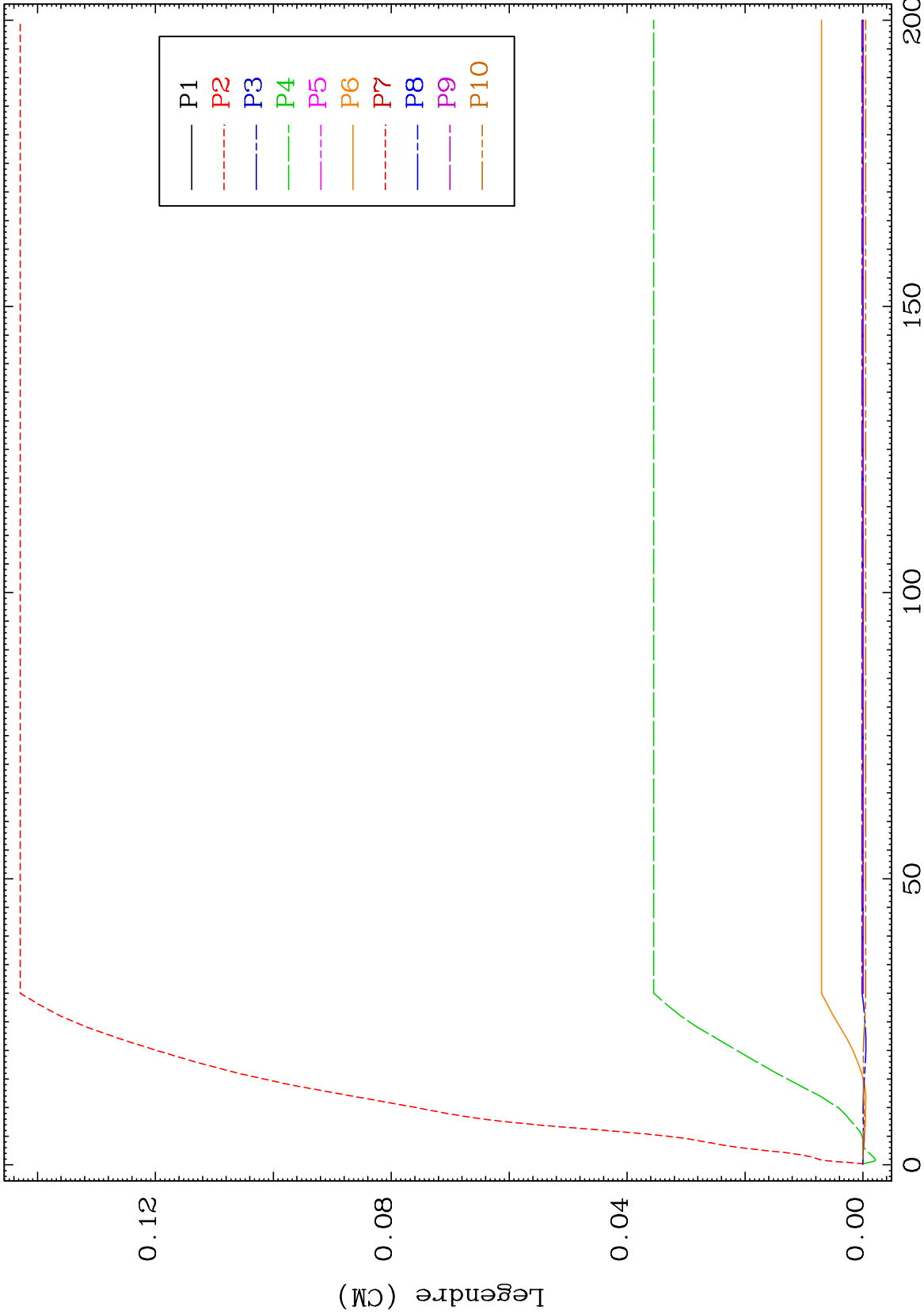
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

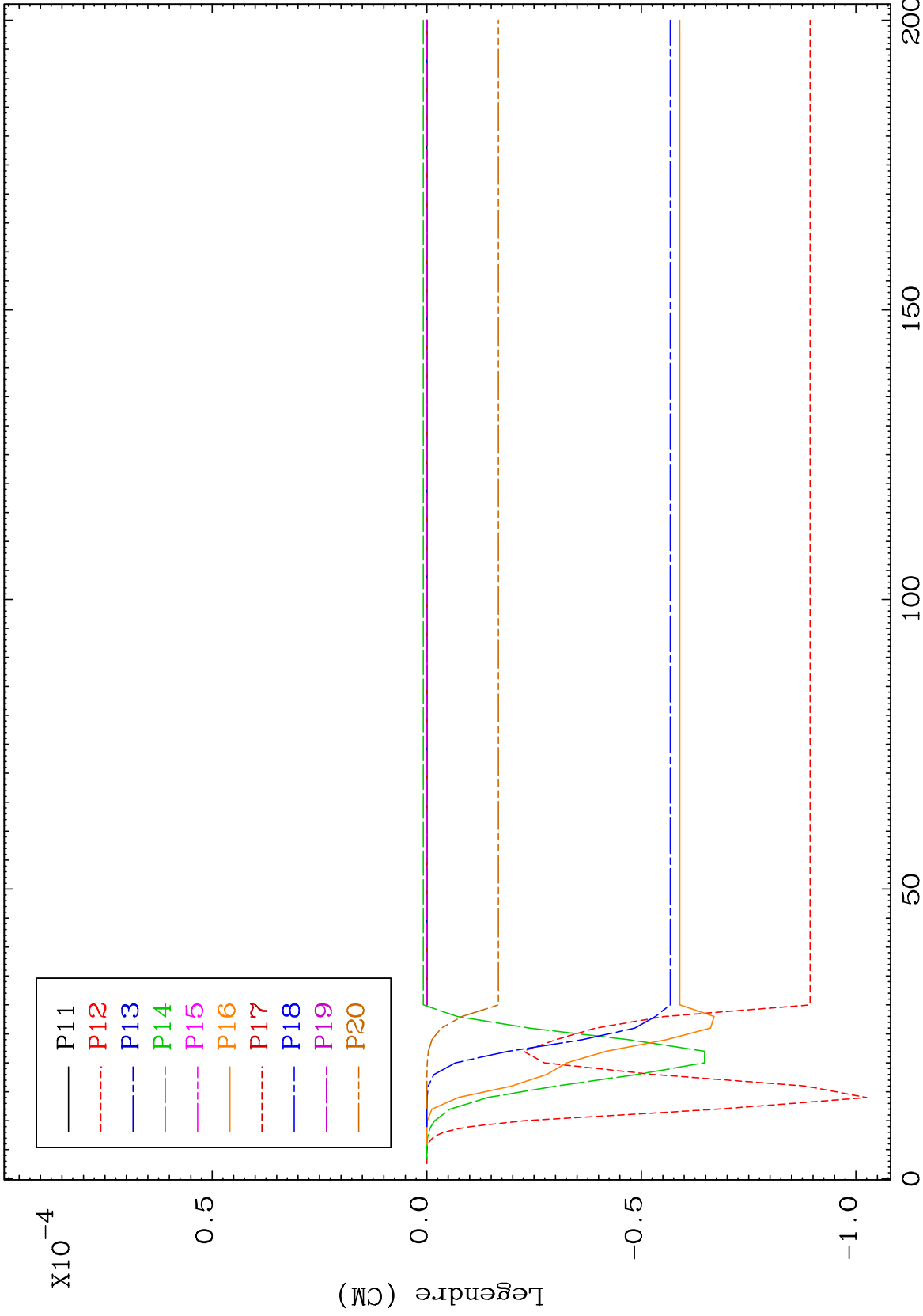
Incident Energy (MeV)

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MAT 6428

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

64-Gd-153



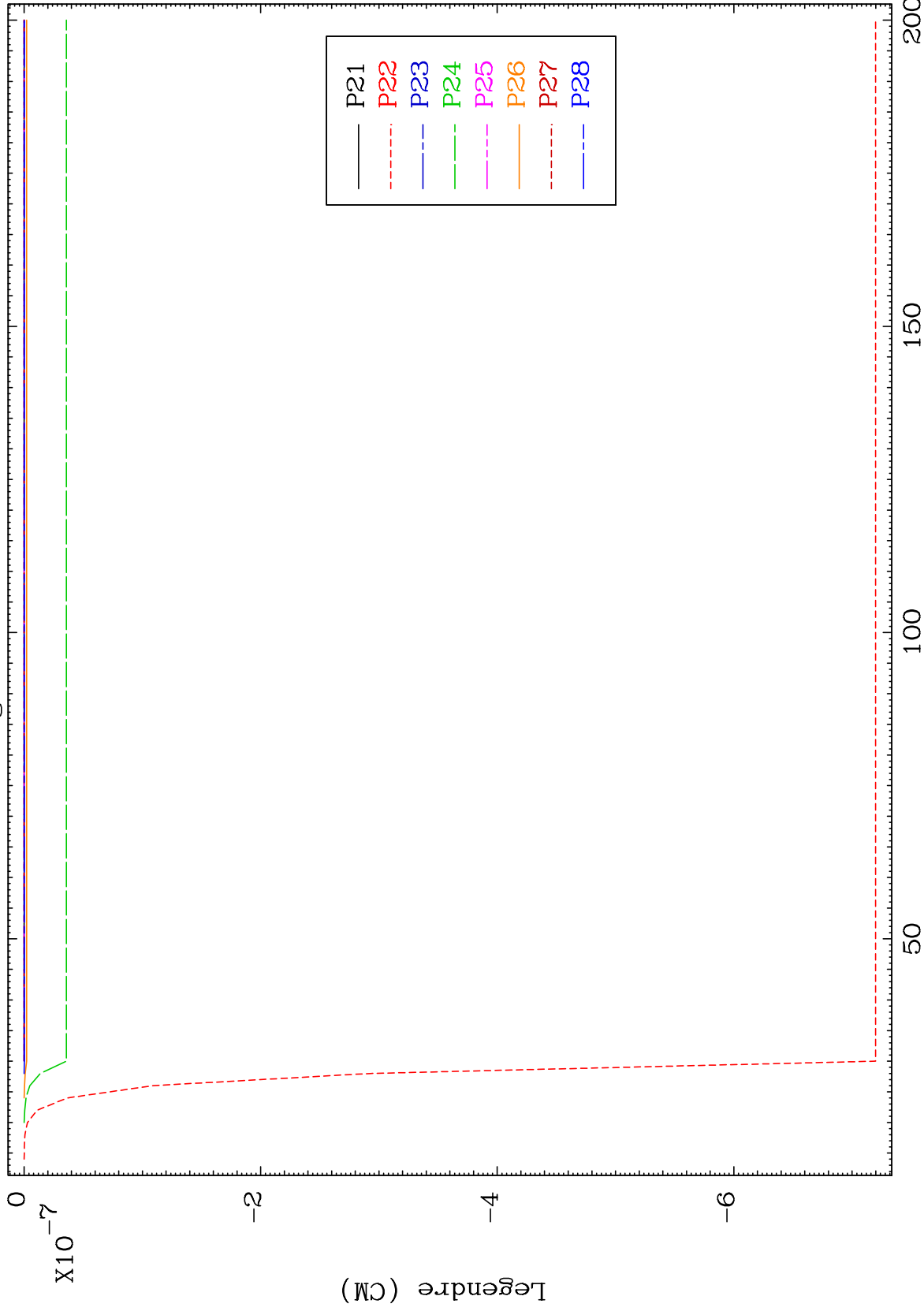
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64-Gd-153

MAT 6428

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

64-Gd-153



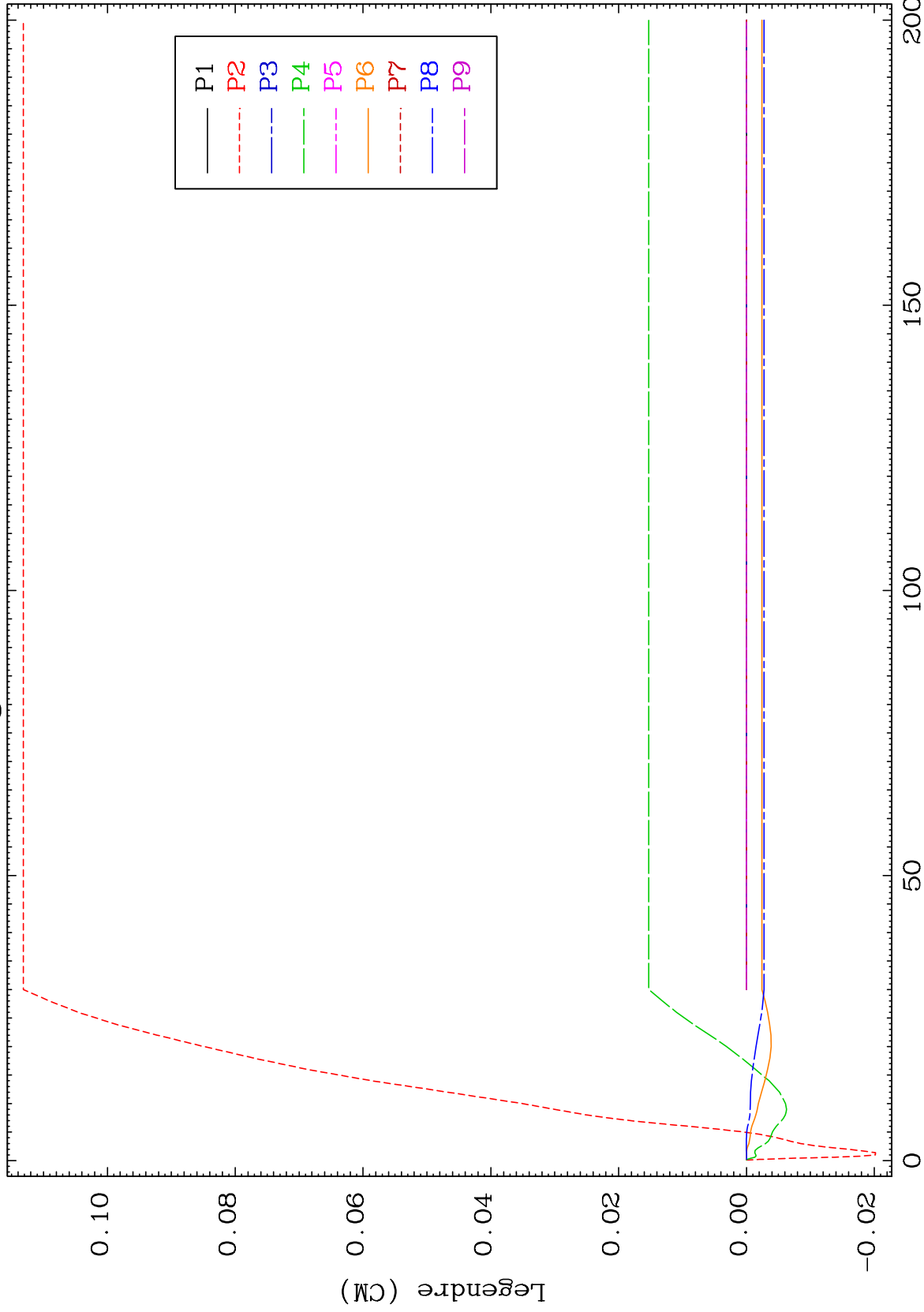
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64-Gd-153

MAT 6428

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

64-Gd-153



23

Incident Energy (MeV)

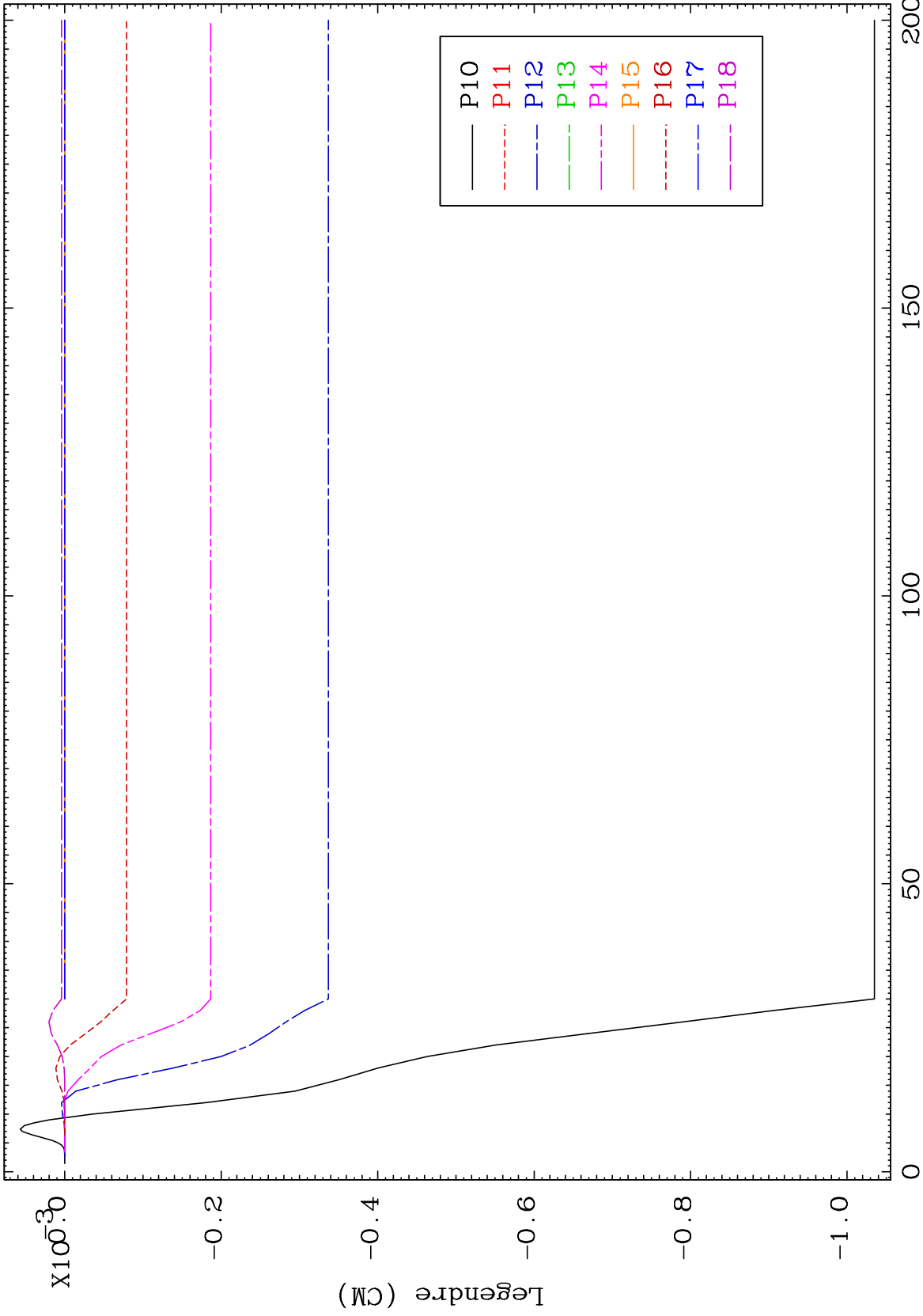
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MAT 6428

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

64-Gd-153



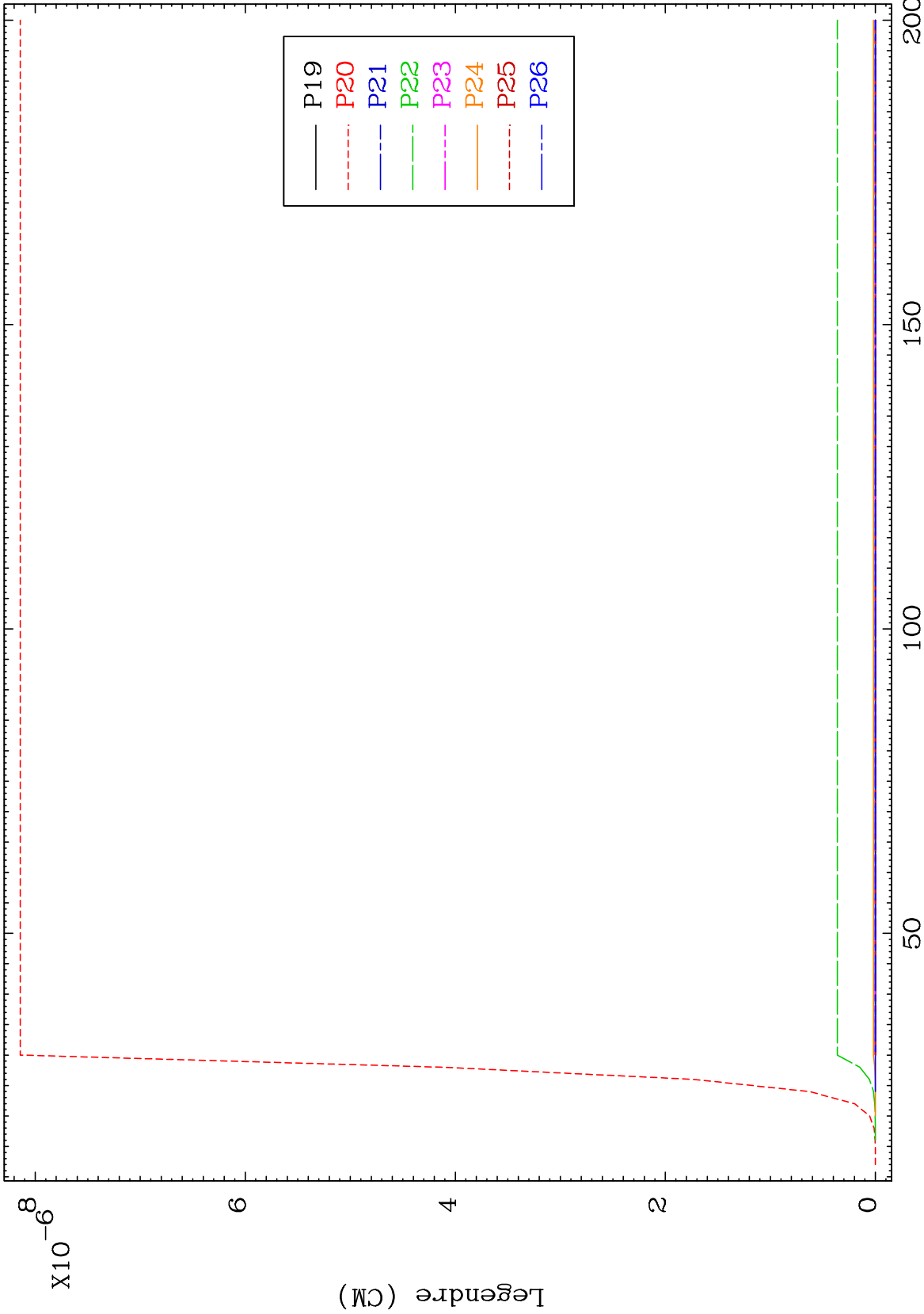
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64-Gd-153

MAT 6428

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

64-Gd-153



25

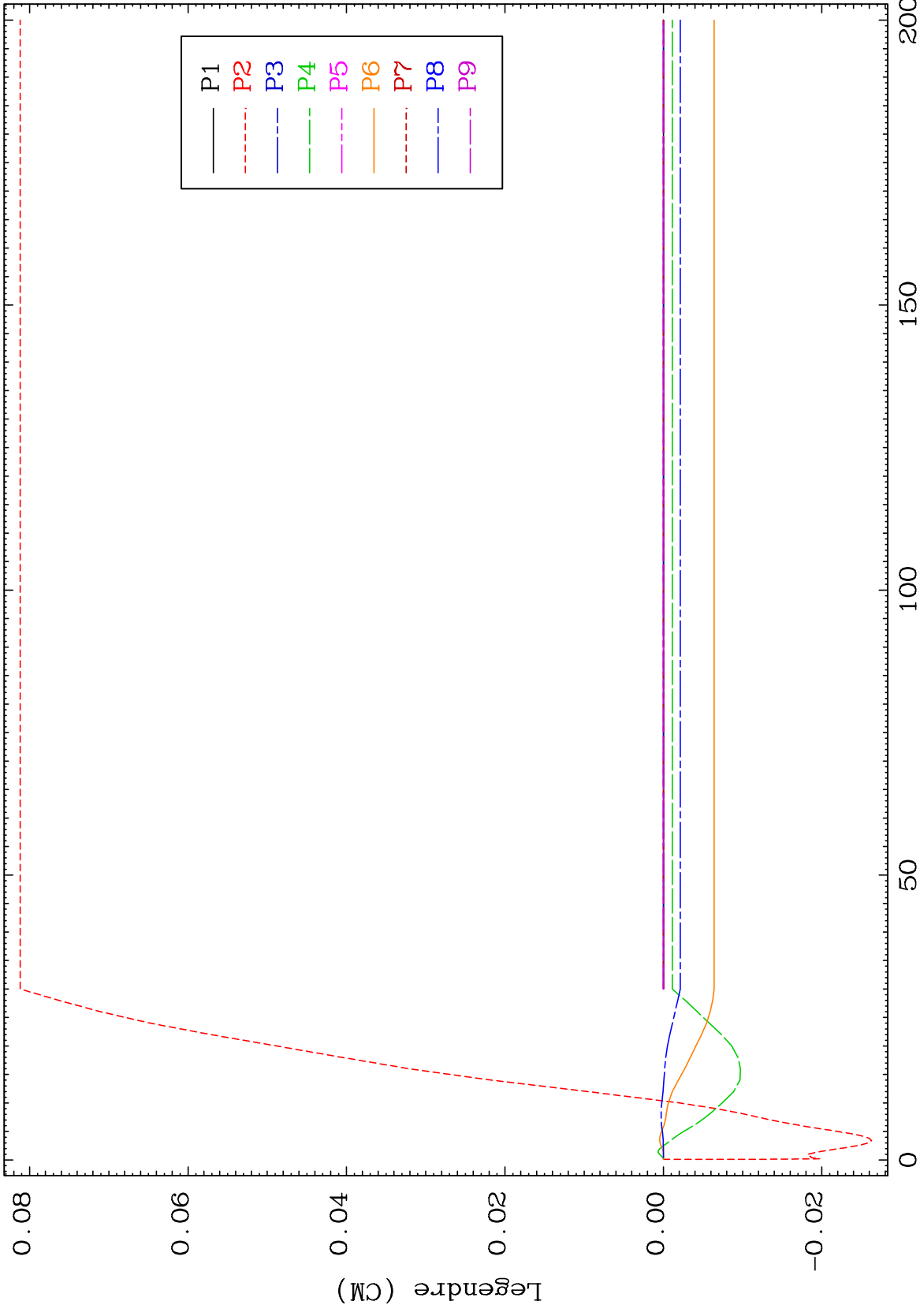
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



26

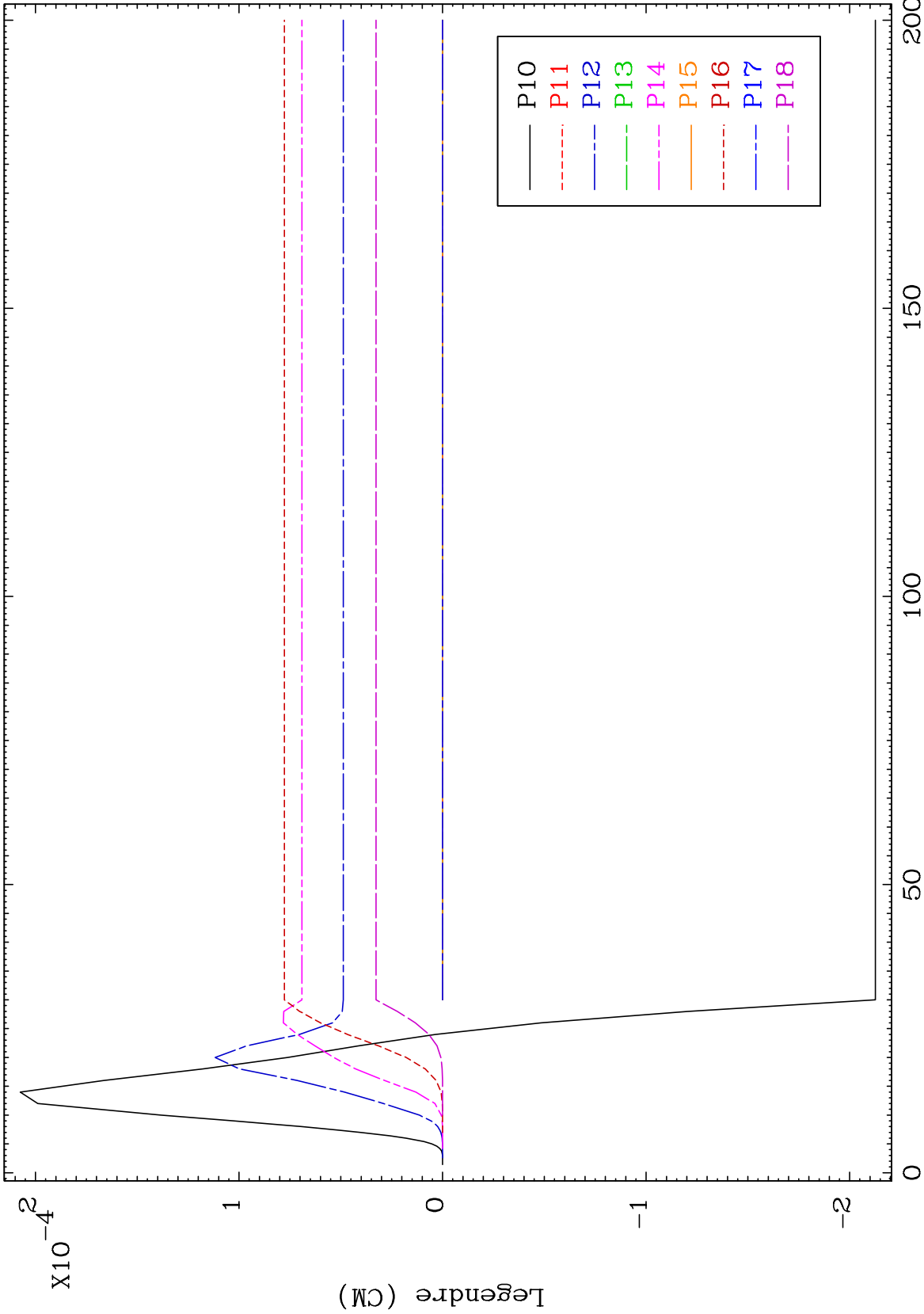
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



27

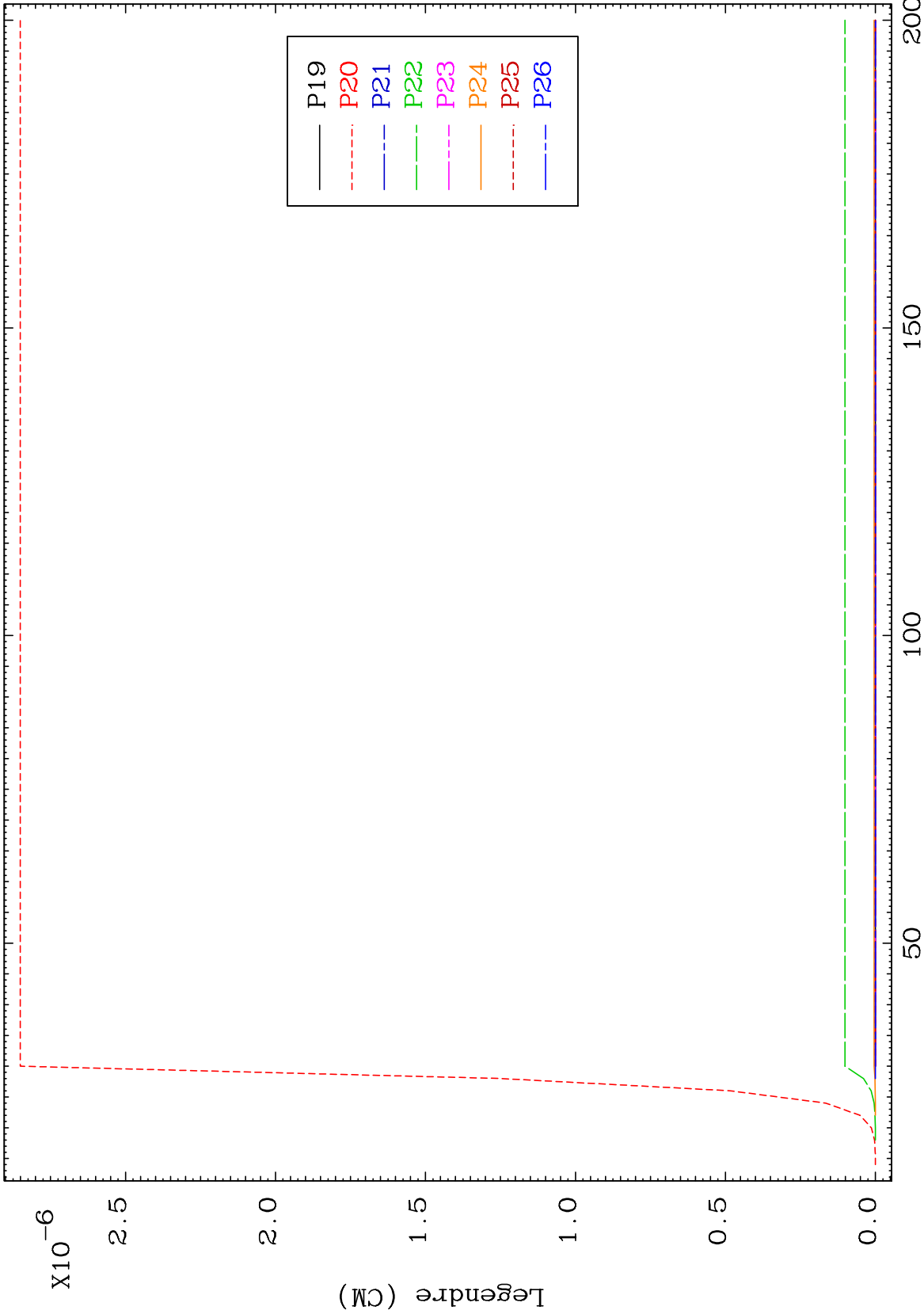
64-Gd-153

64-Gd-153

MAT 6428

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

64-Gd-153



28

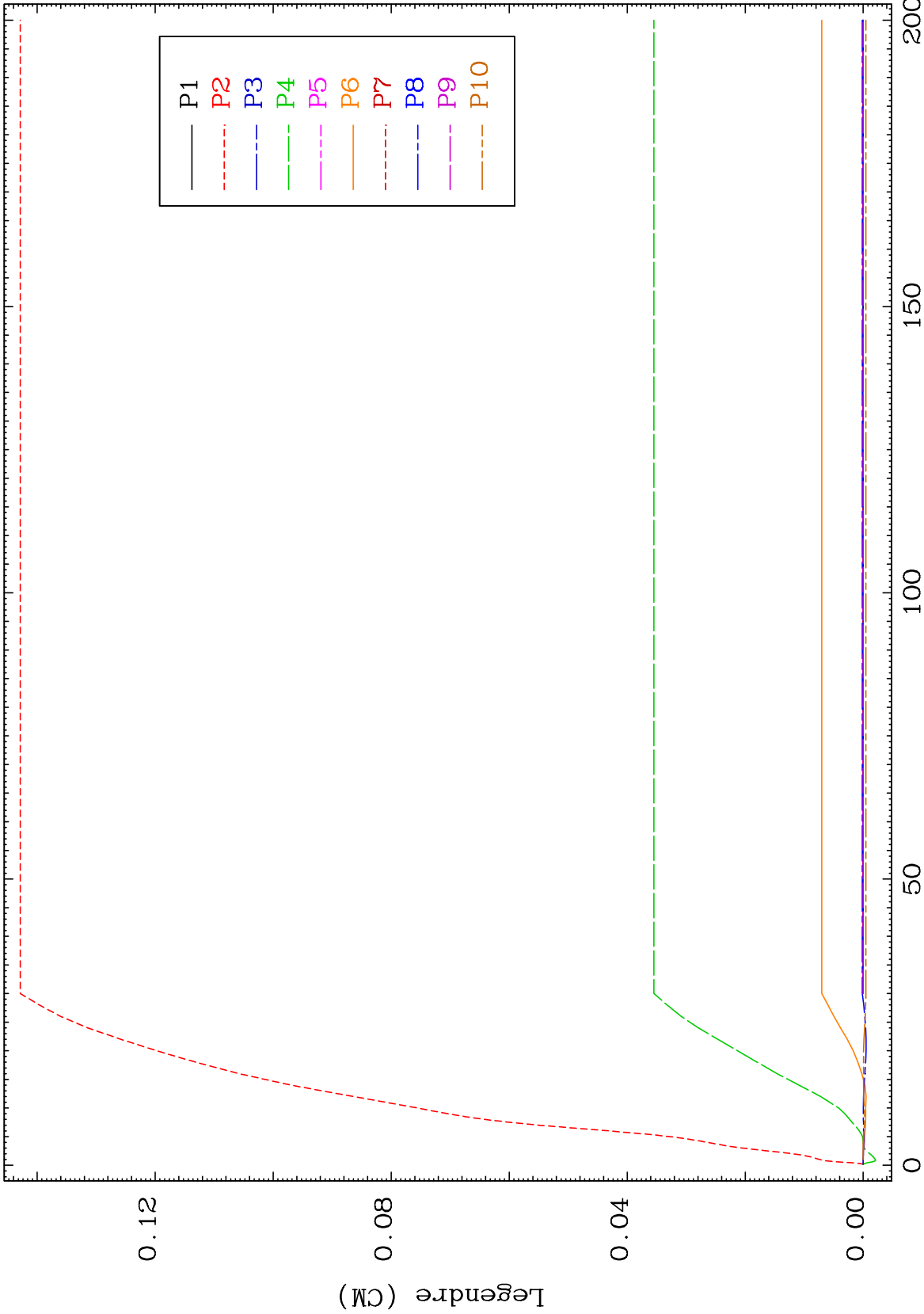
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



29

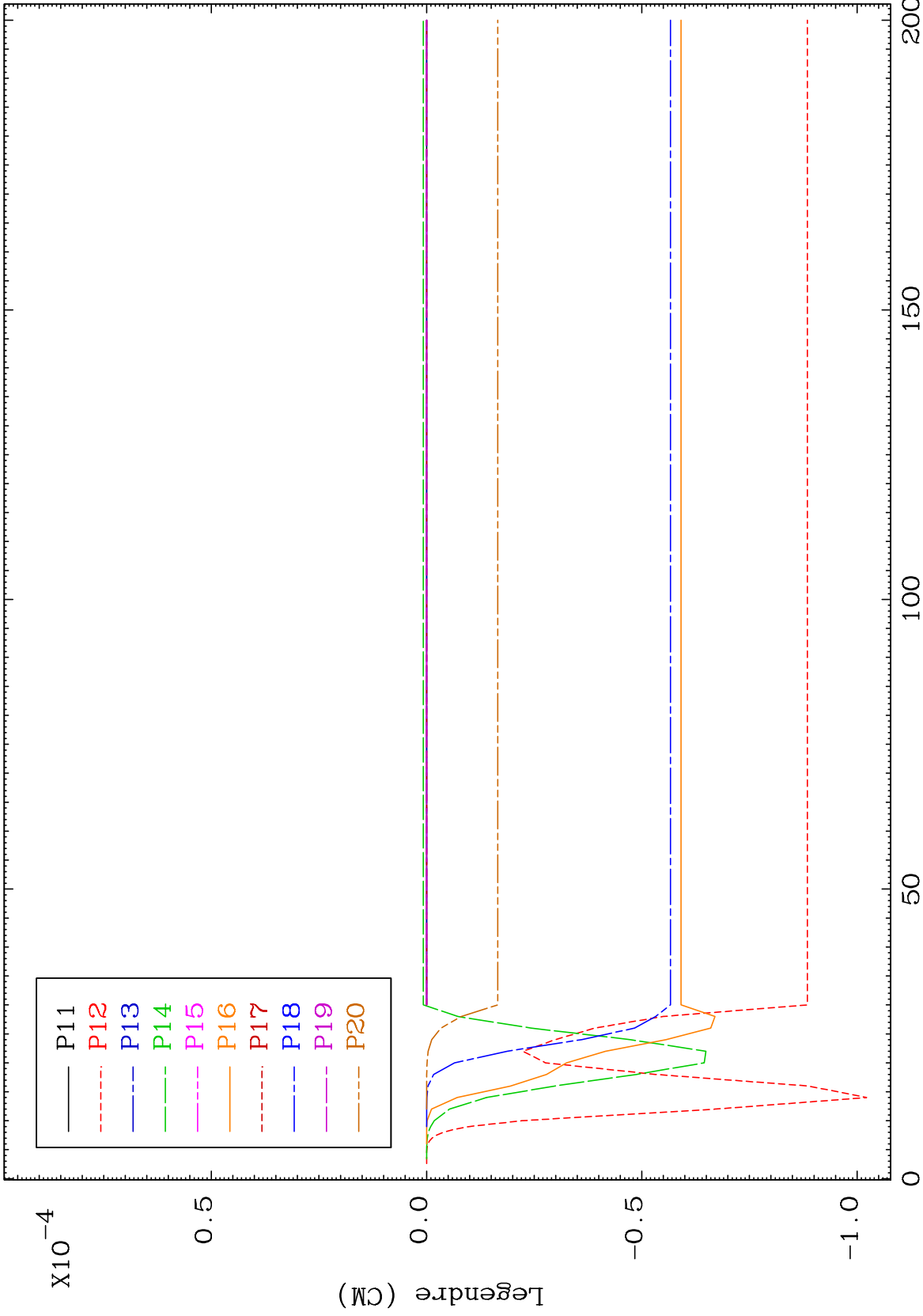
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



30

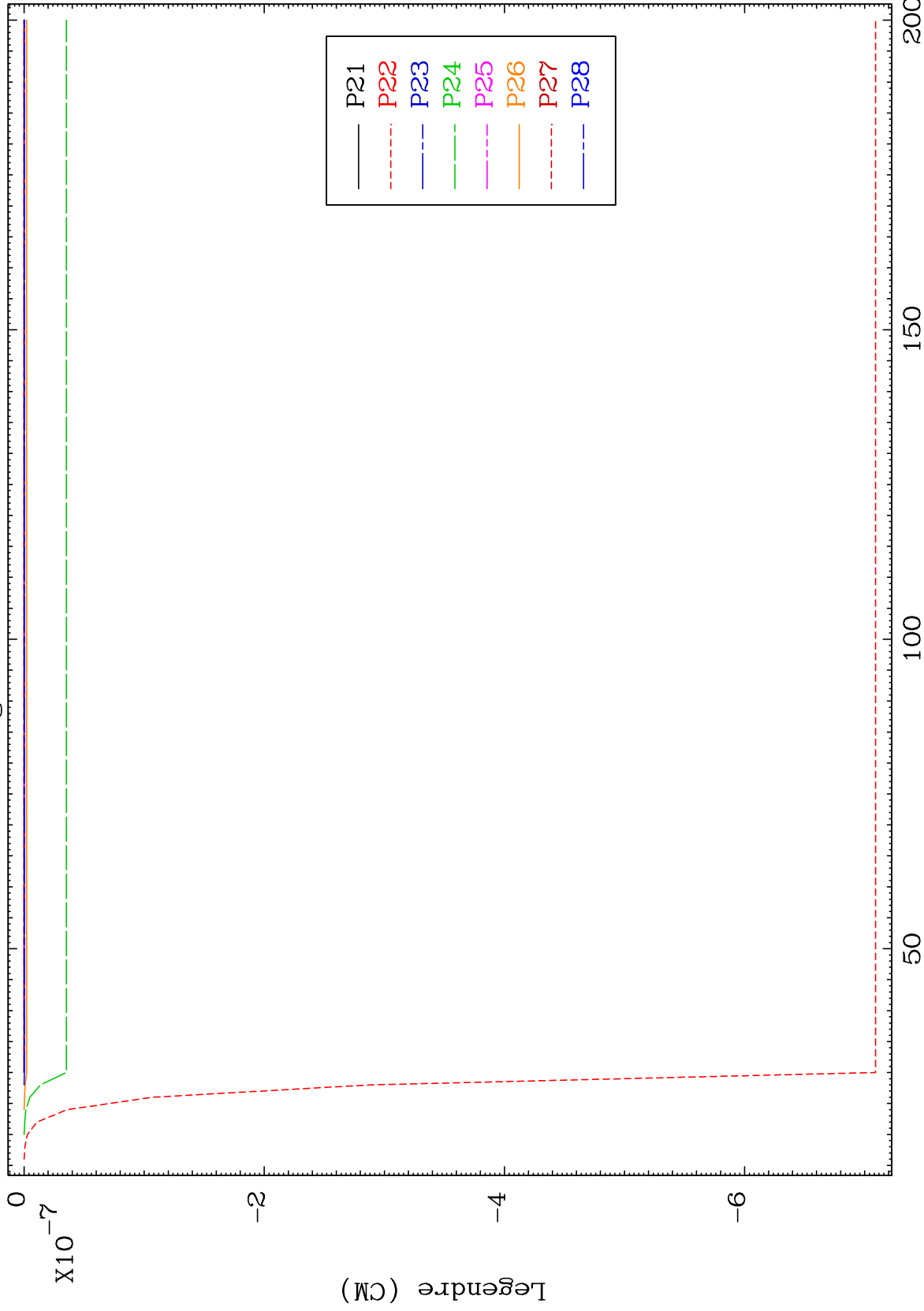
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



31

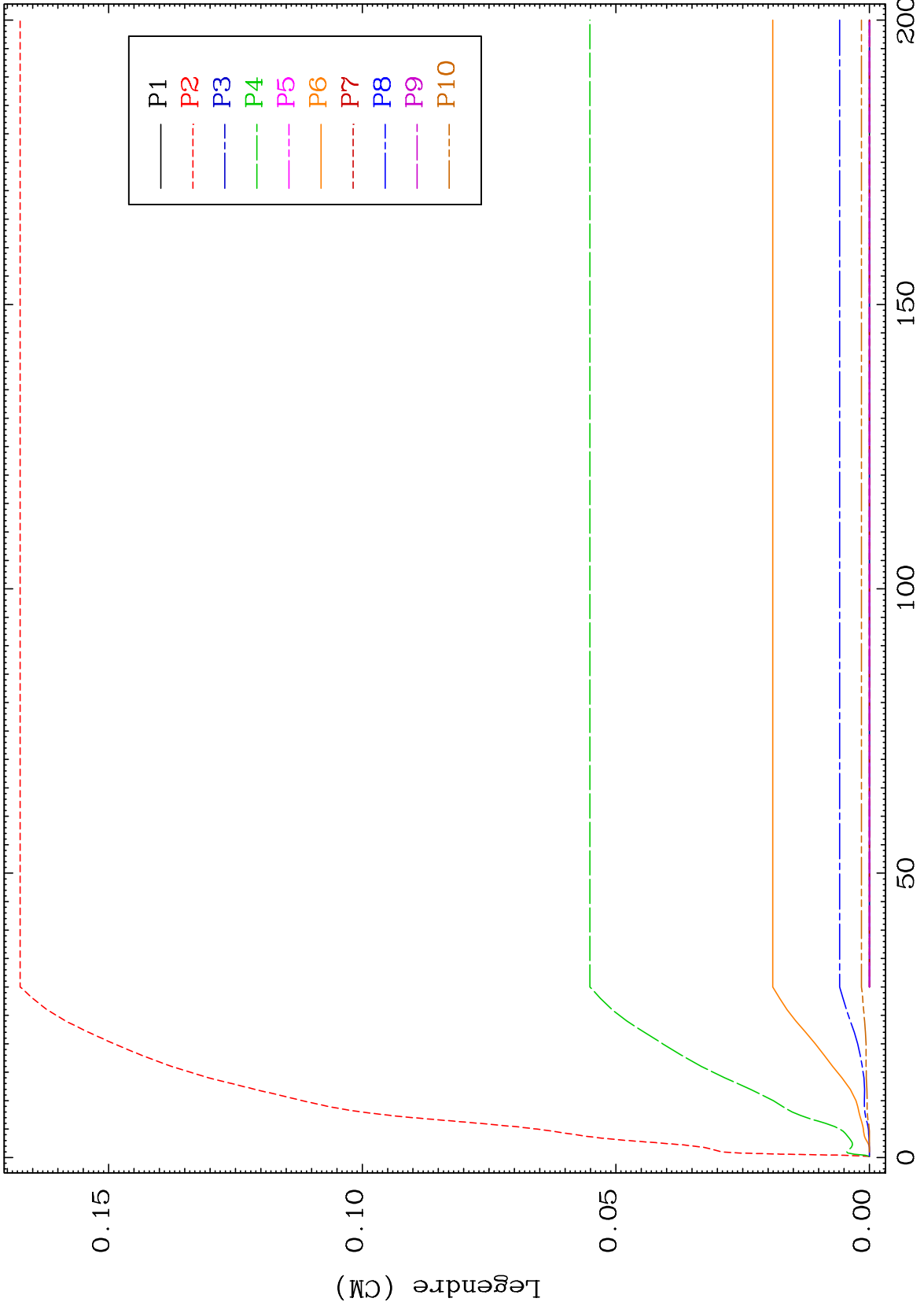
64-Gd-153



MAT 6428

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

64-Gd-153



32

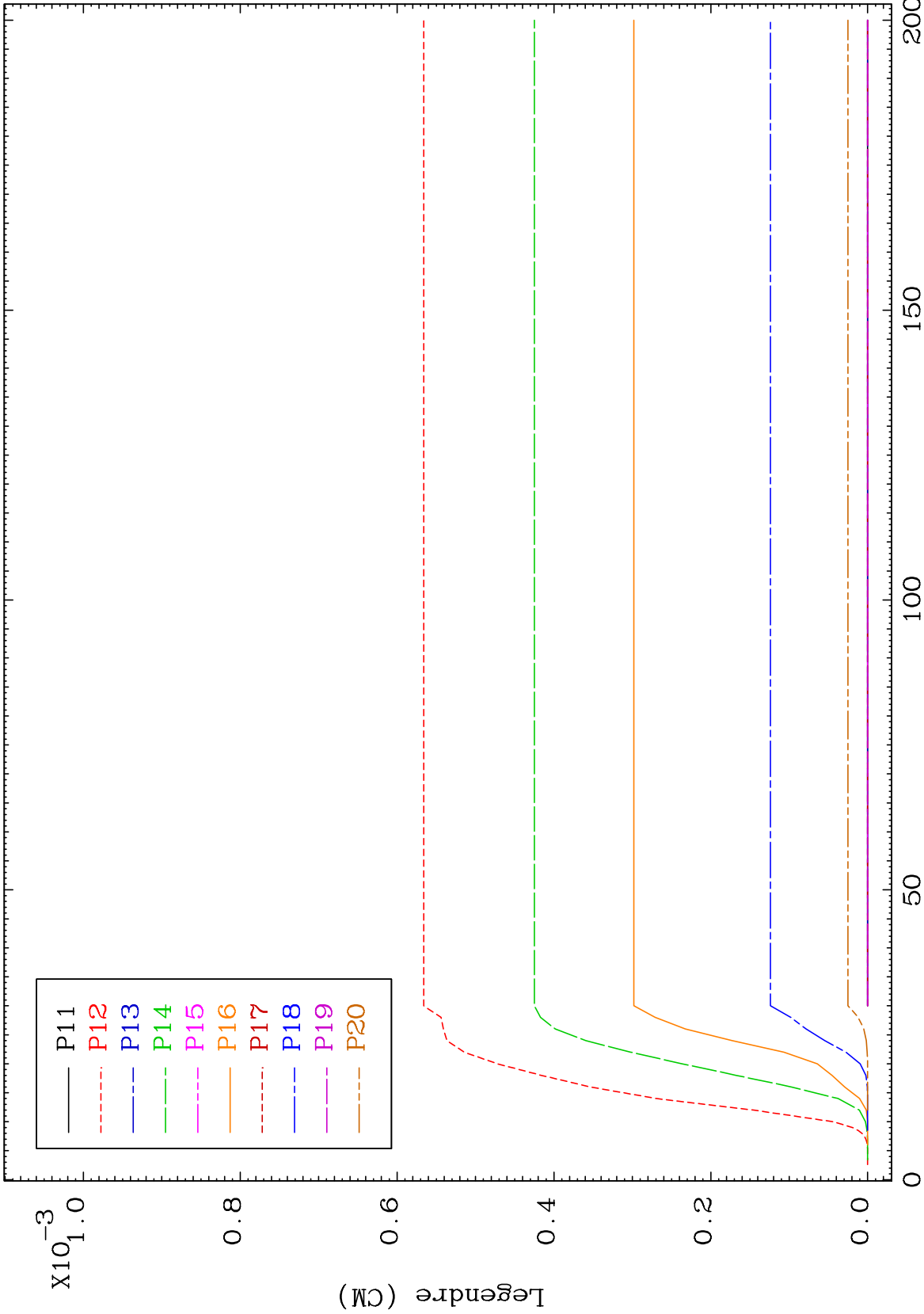
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



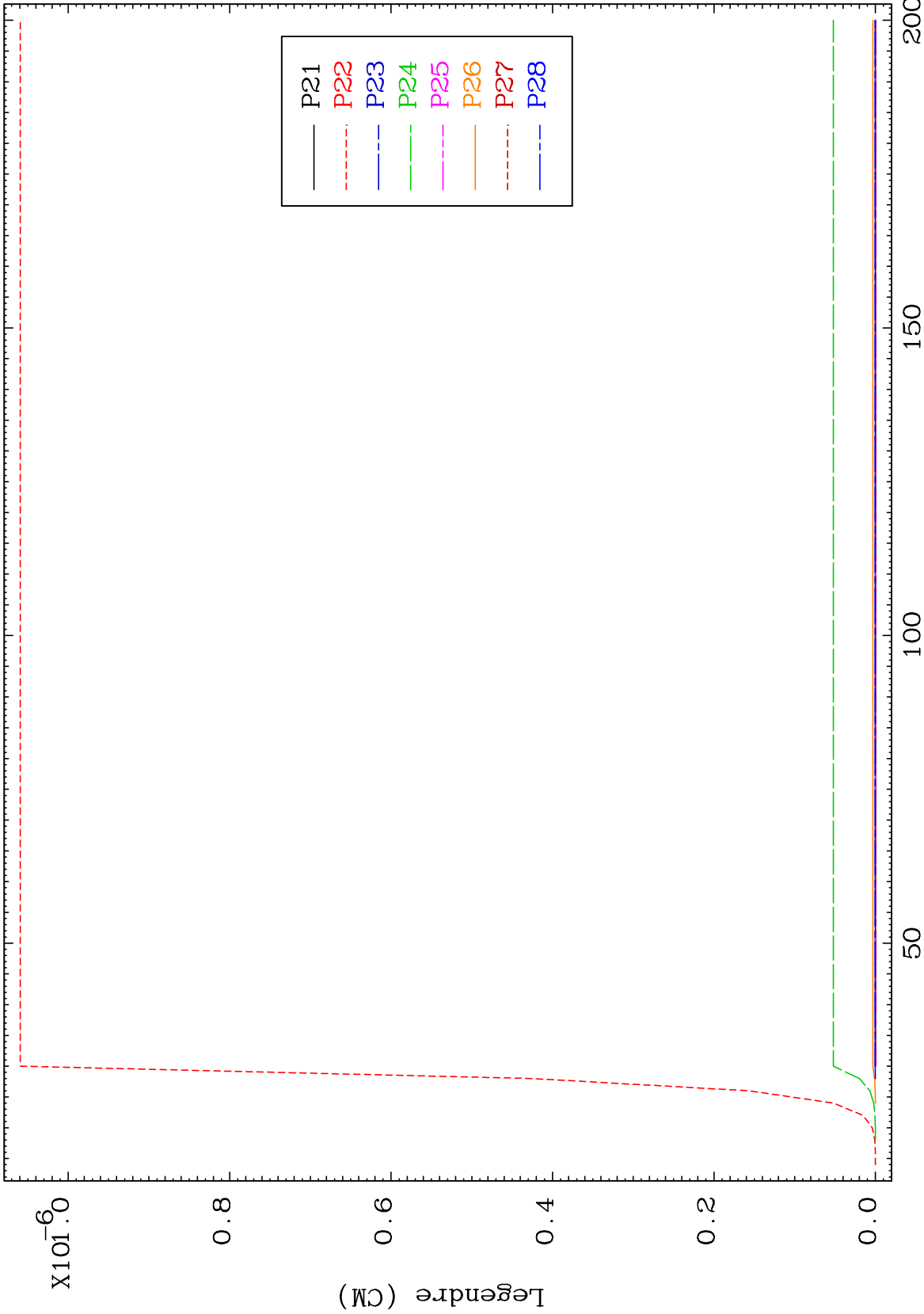
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64-Gd-153

MAT 6428

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

64-Gd-153

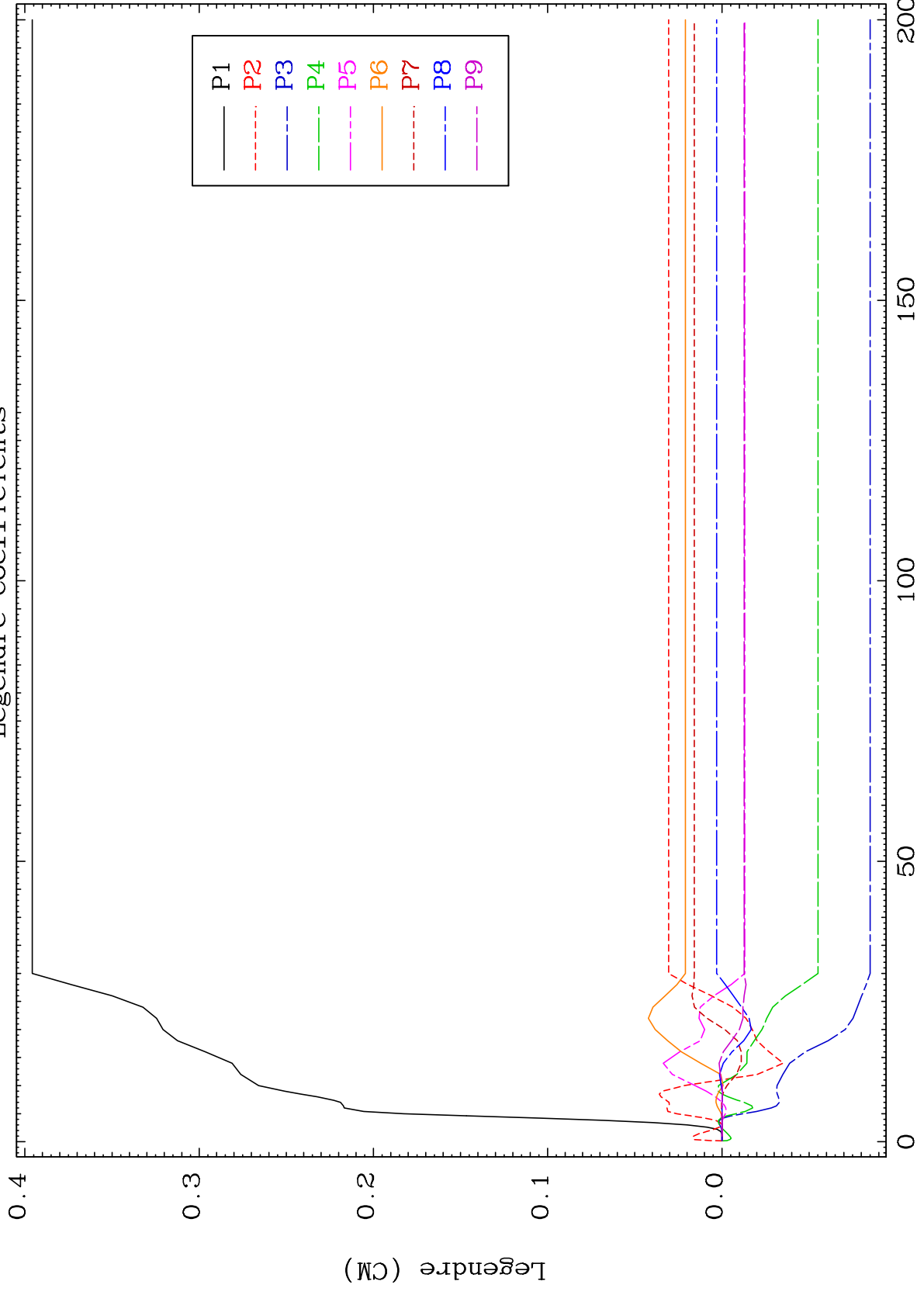


34

Incident Energy (MeV)

64-Gd-153

MAT 6428 MT= 56 (n,n') Level Legendre Coefficients 64-Gd-153

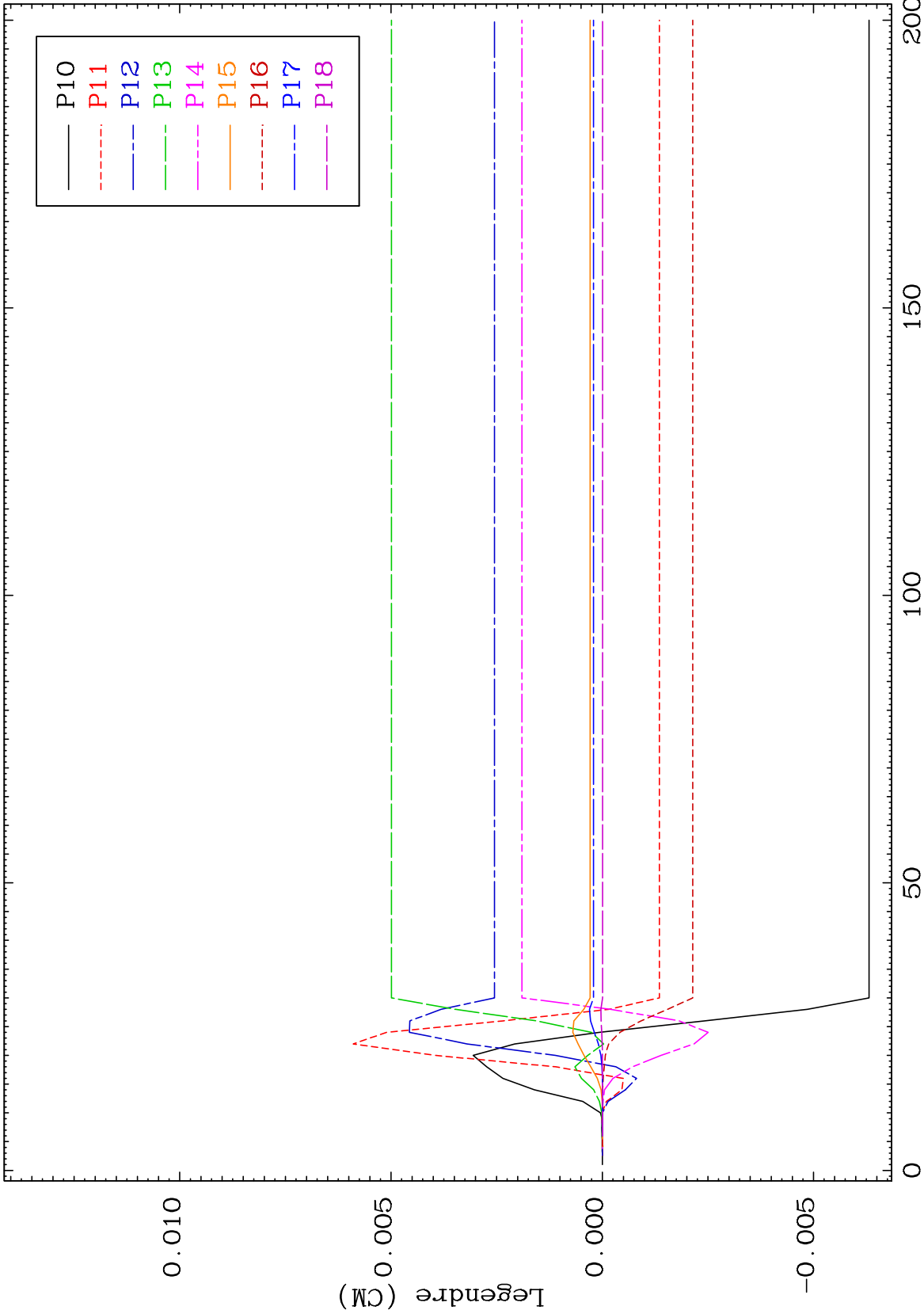


35 Incident Energy (MeV) 64-Gd-153

MAT 6428

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

64-Gd-153



36

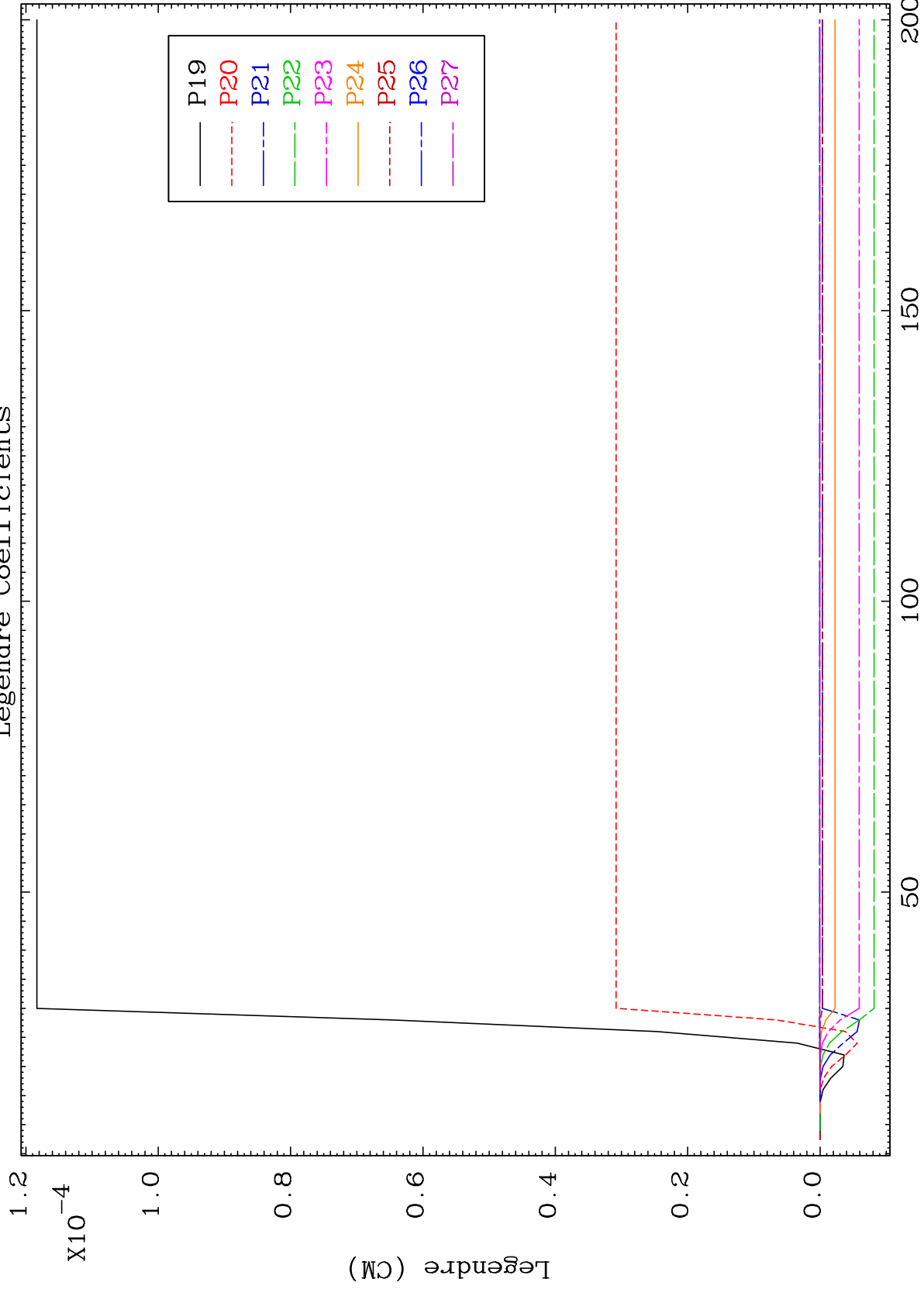
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



37

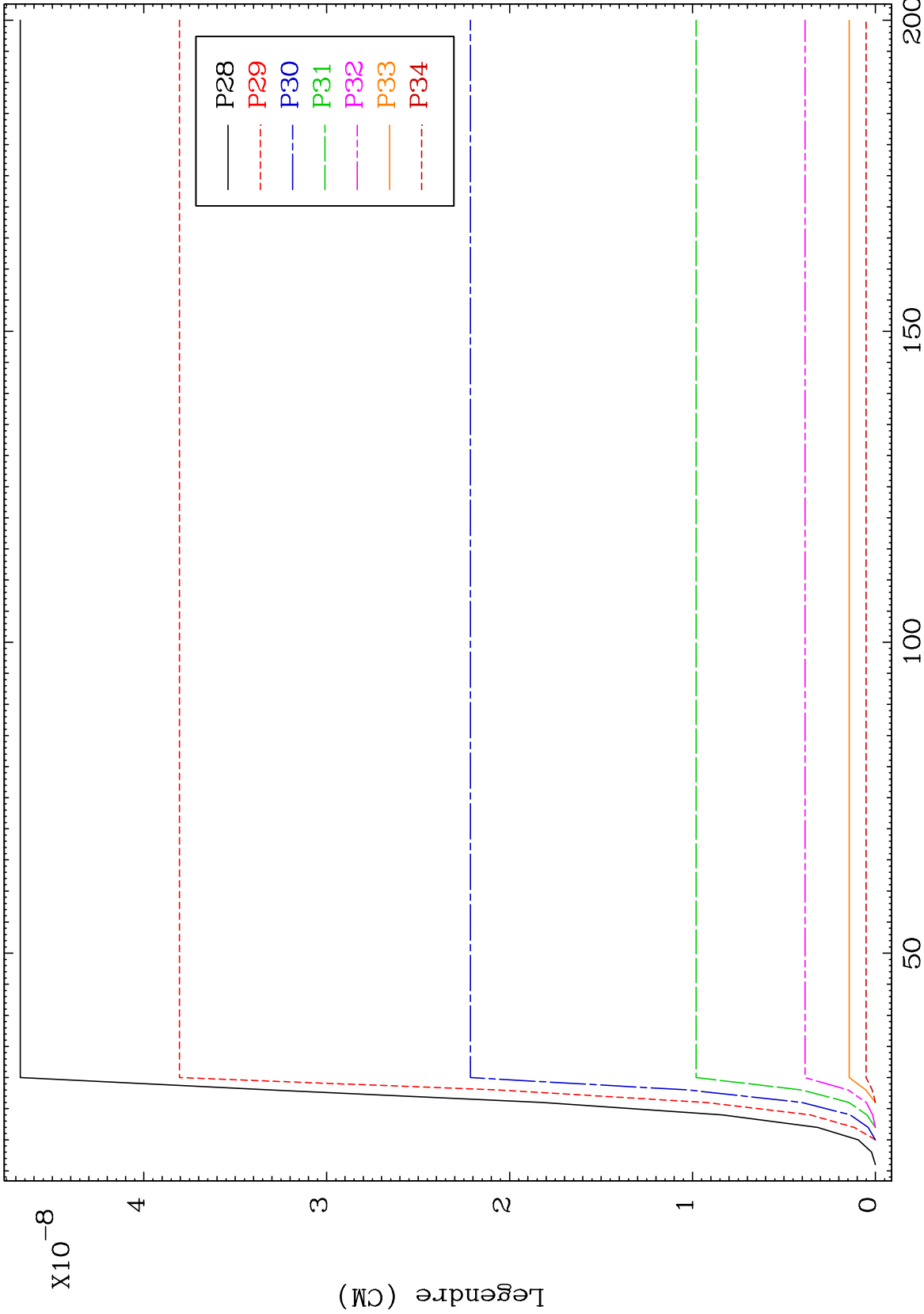
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



38

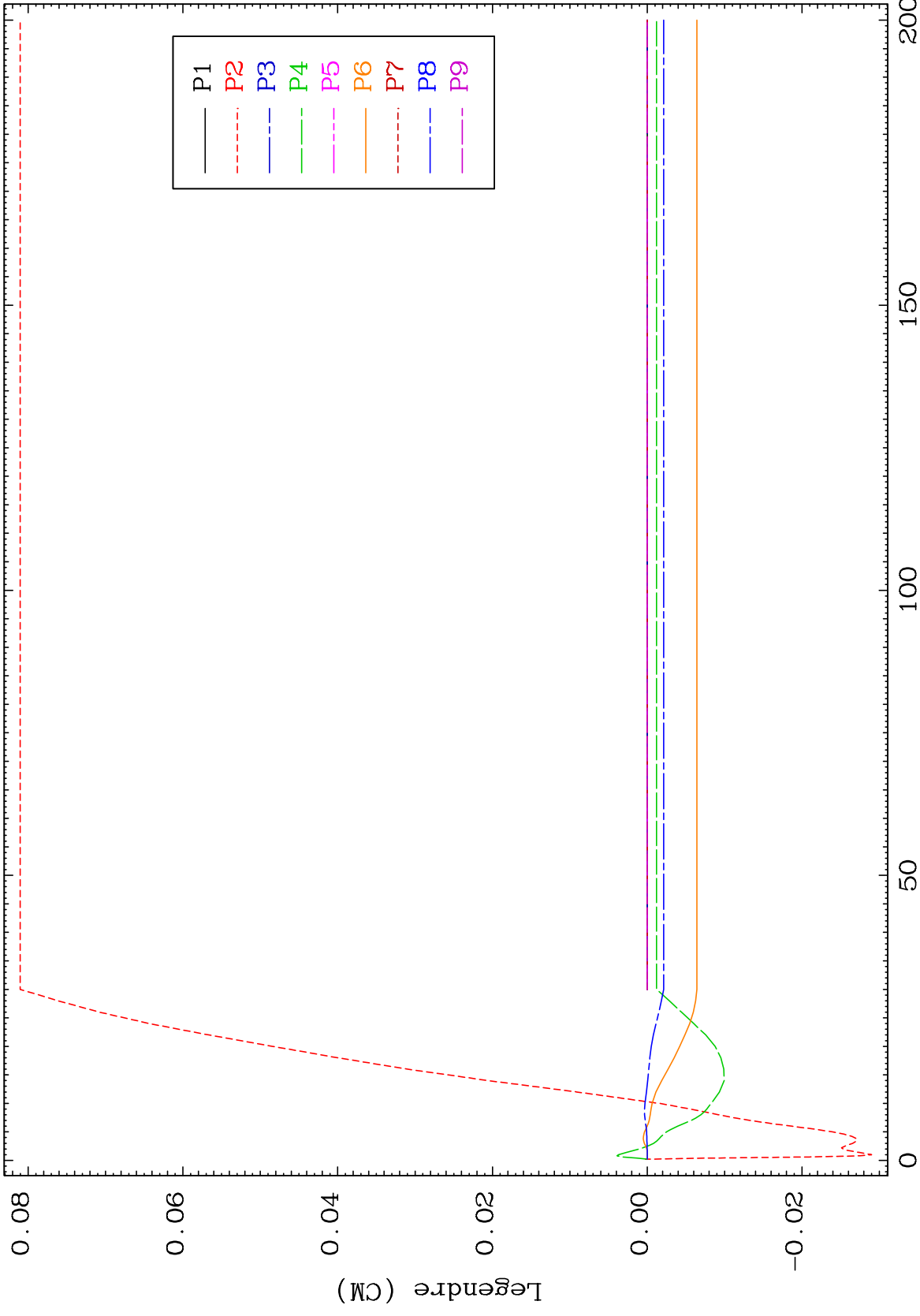
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



39

Incident Energy (MeV)

64-Gd-153

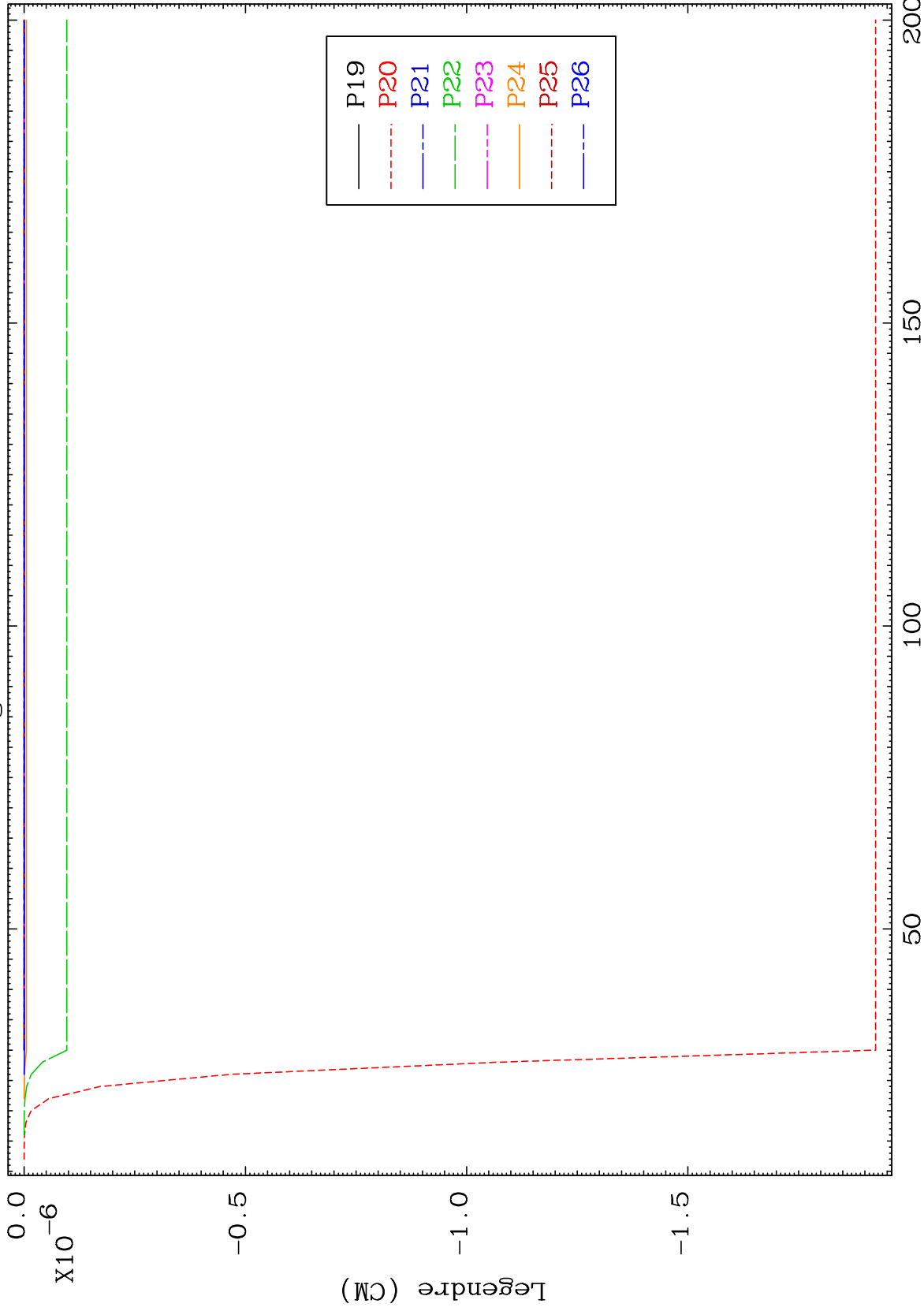




MAT 6428

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

64-Gd-153



41

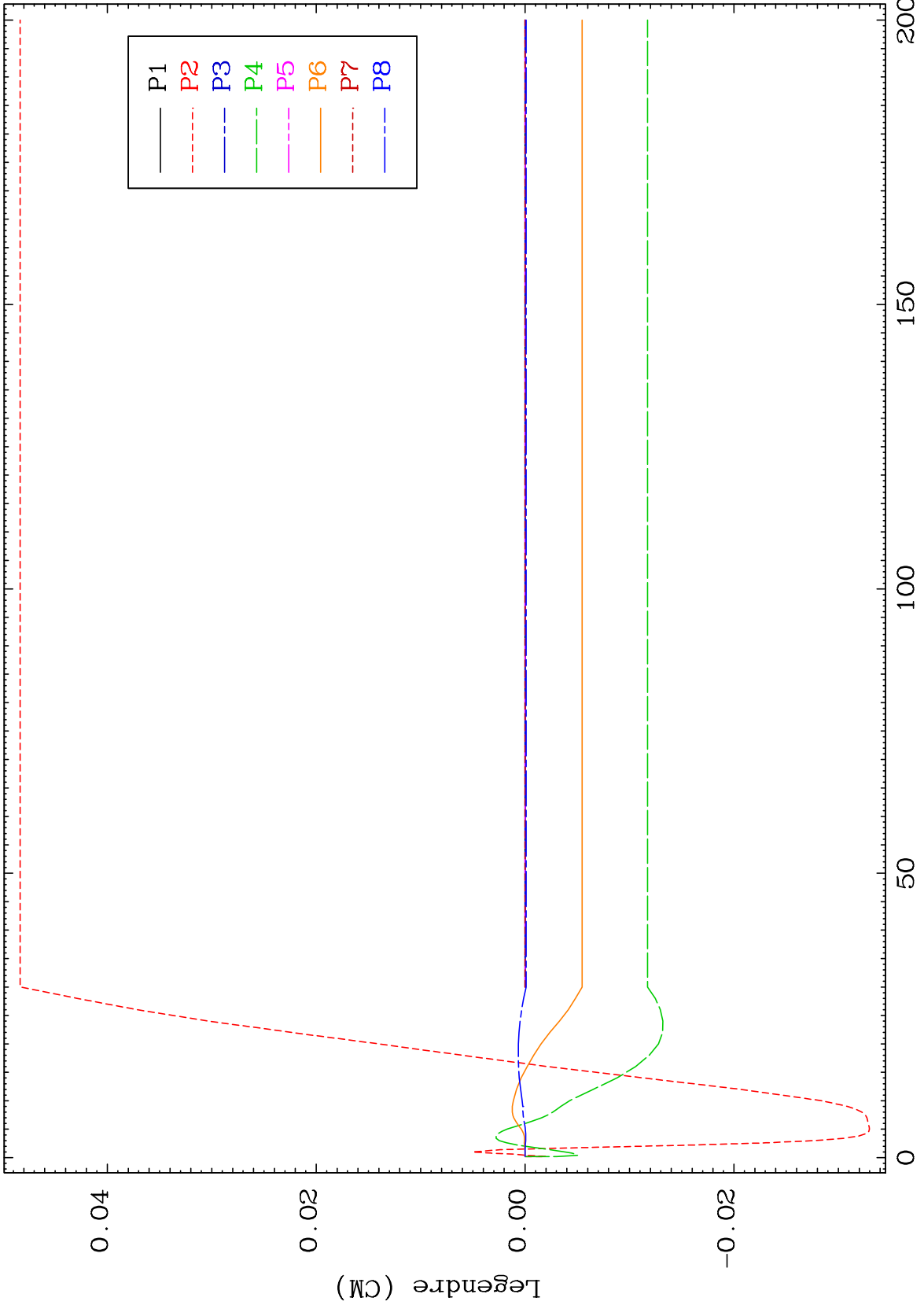
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



42

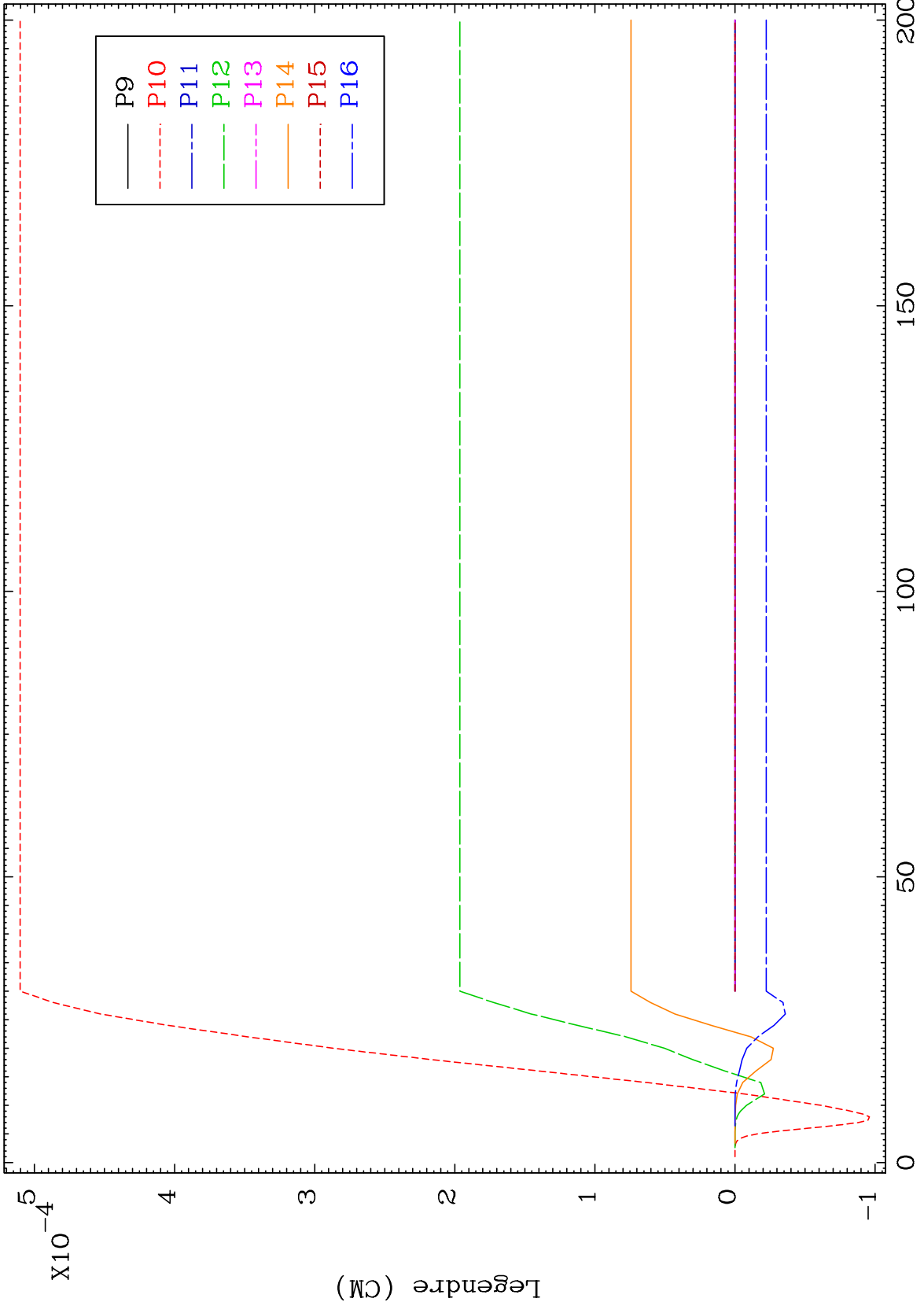
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



43

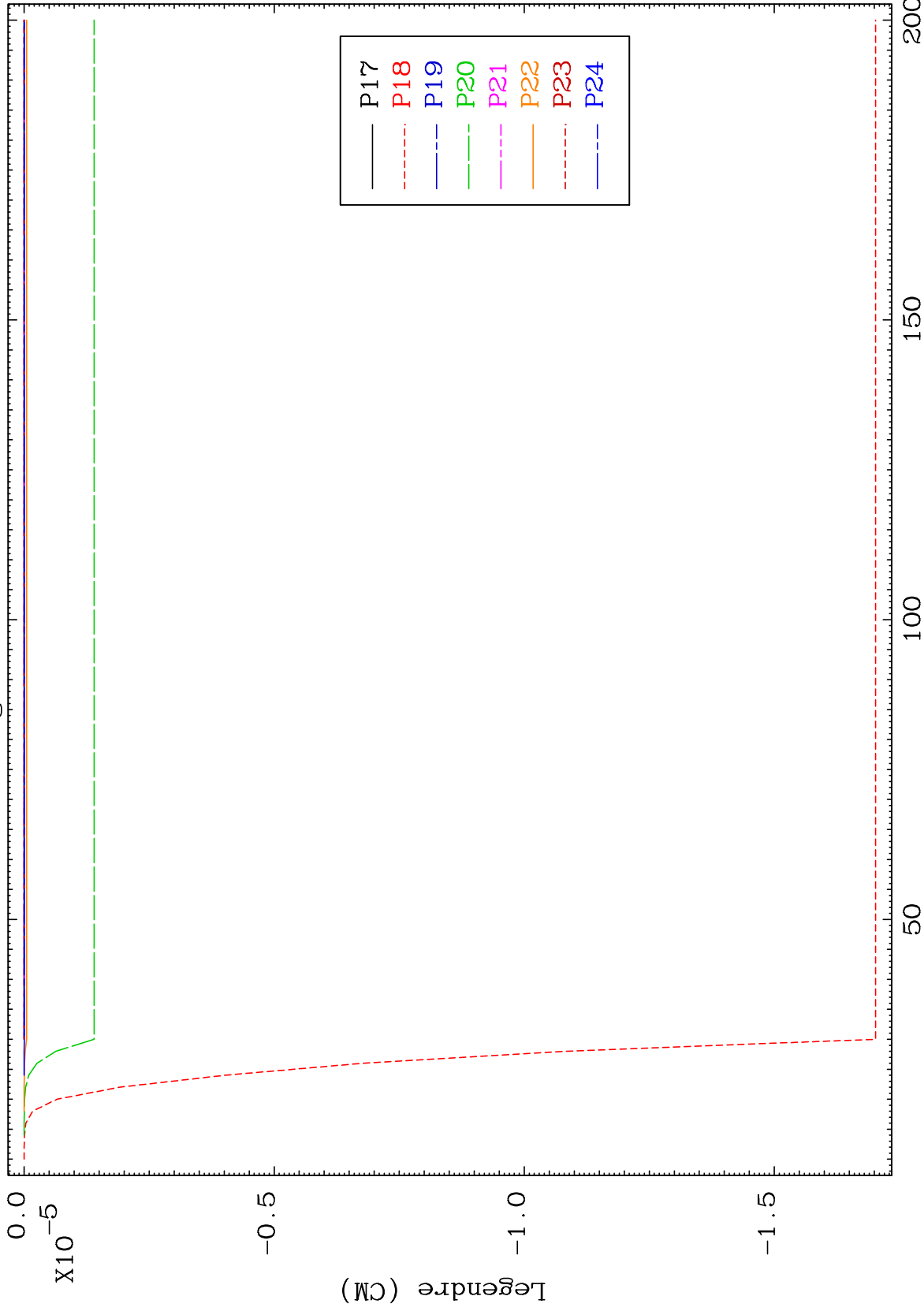
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153

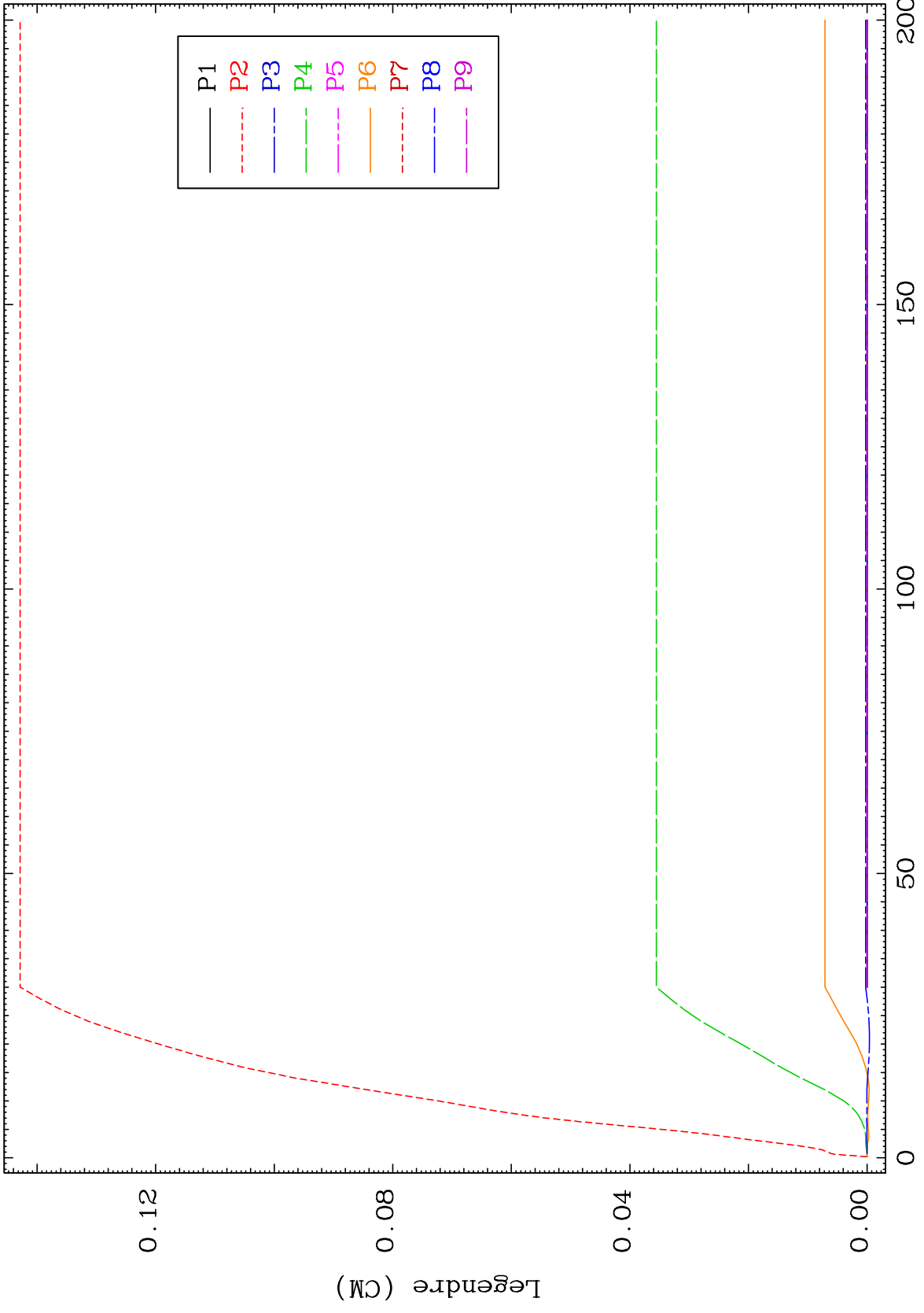


44

Incident Energy (MeV)

64-Gd-153

MAT 6428 MT= 59 (n,n') Level Legendre Coefficients 64-Gd-153

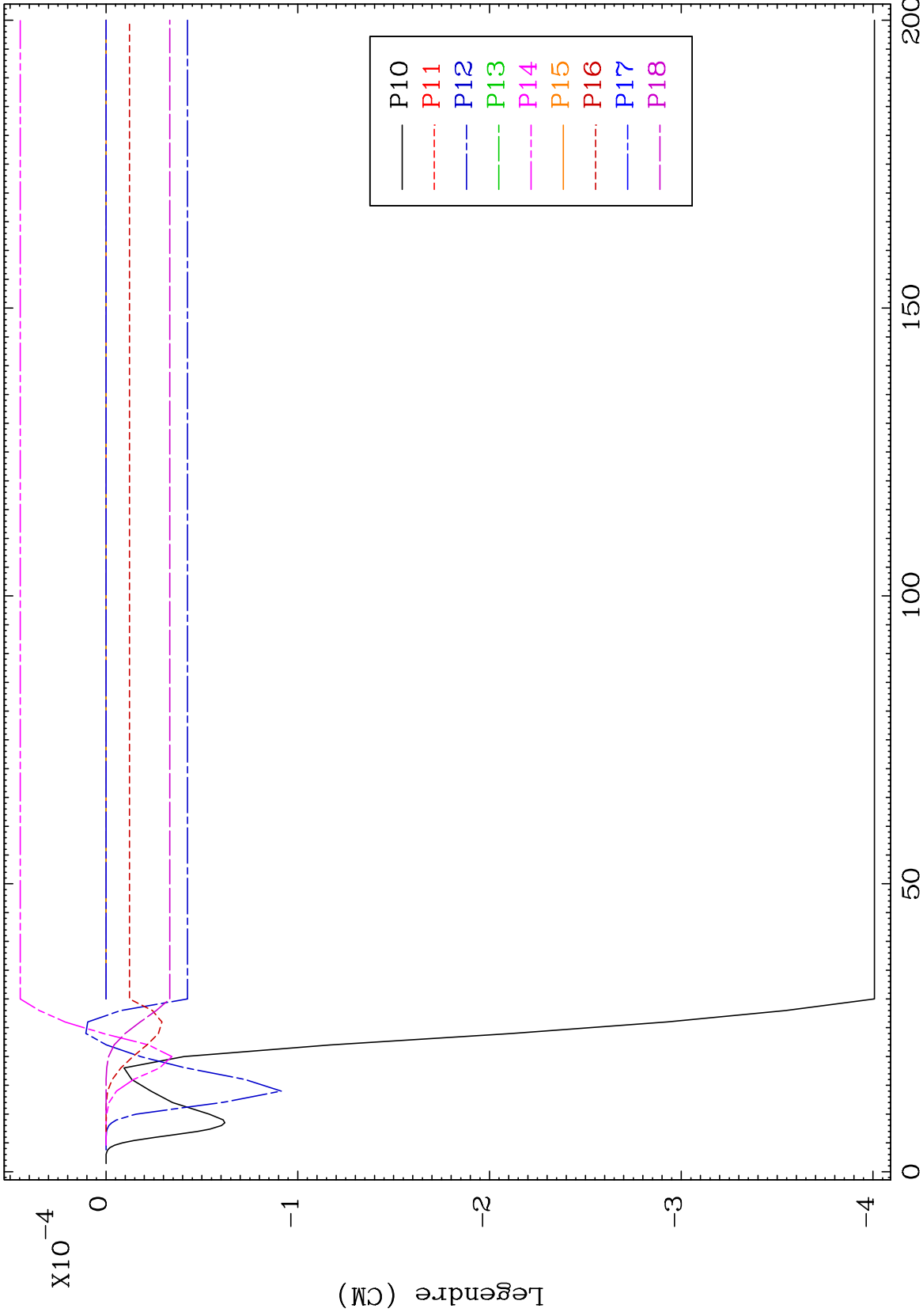


64-Gd-153

MAT 6428

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

64-Gd-153



46

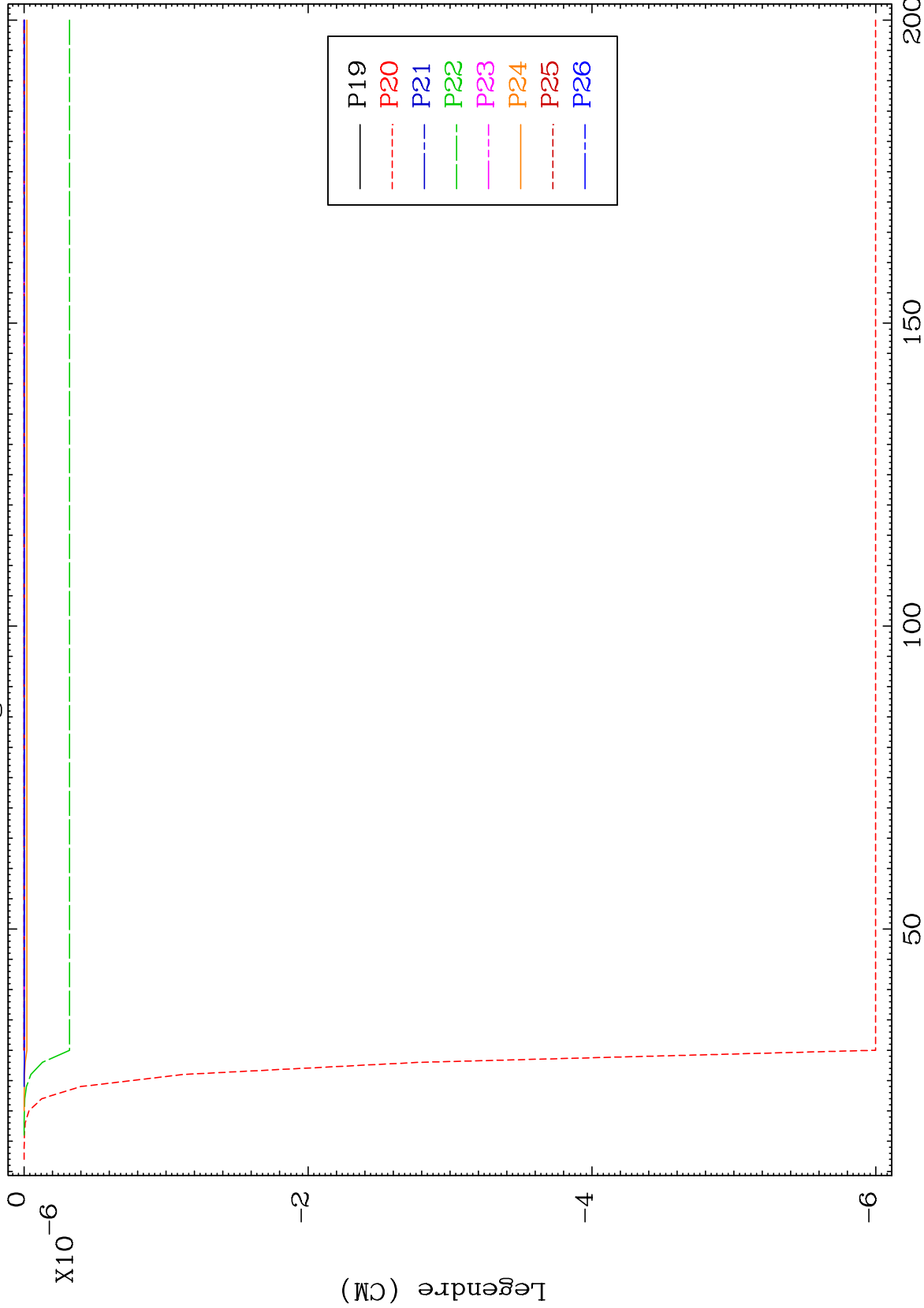
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



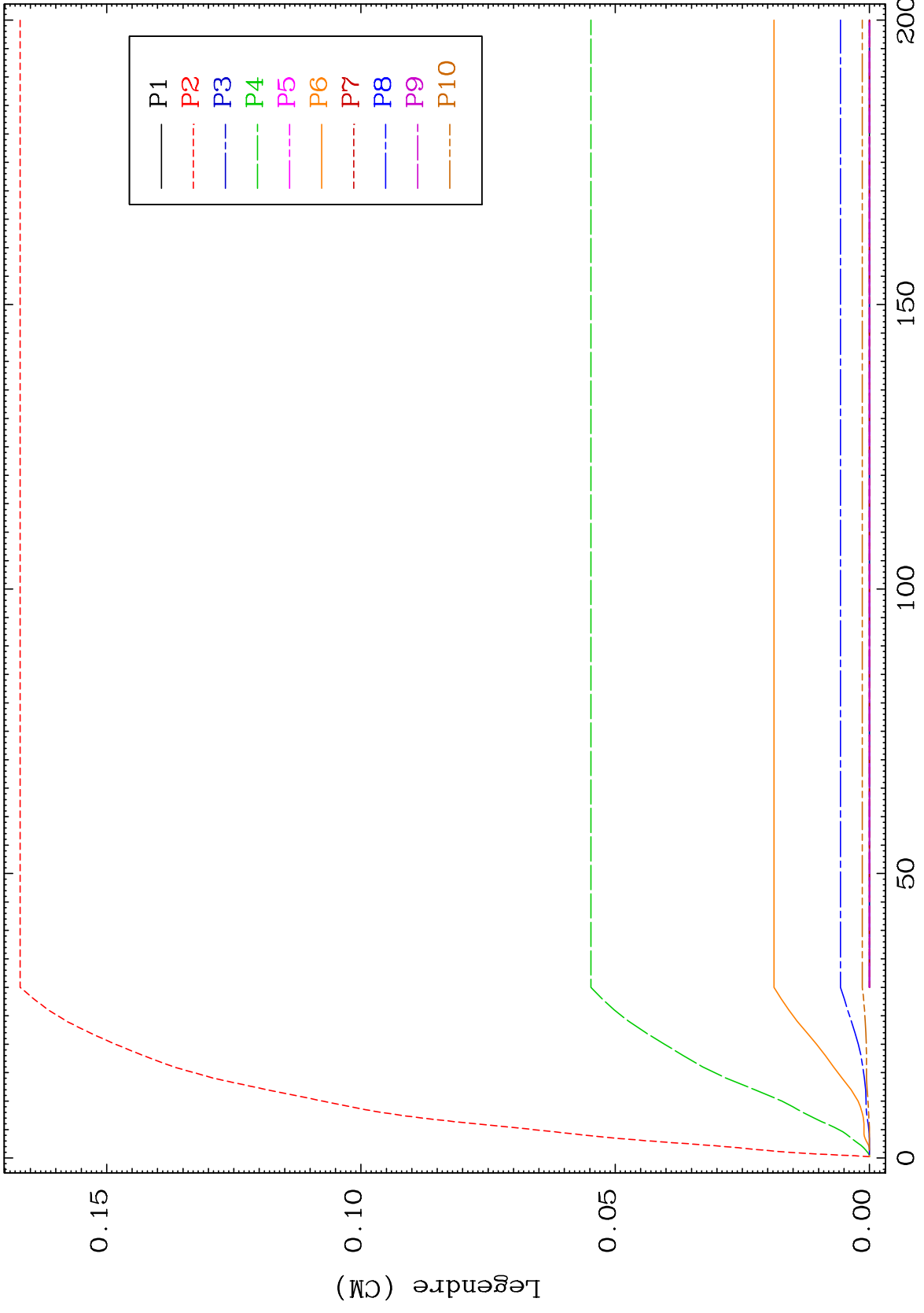
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Incident Energy (MeV)

64-Gd-153



MAT 6428 MT= 60 (n,n') Level Legendre Coefficients 64-Gd-153

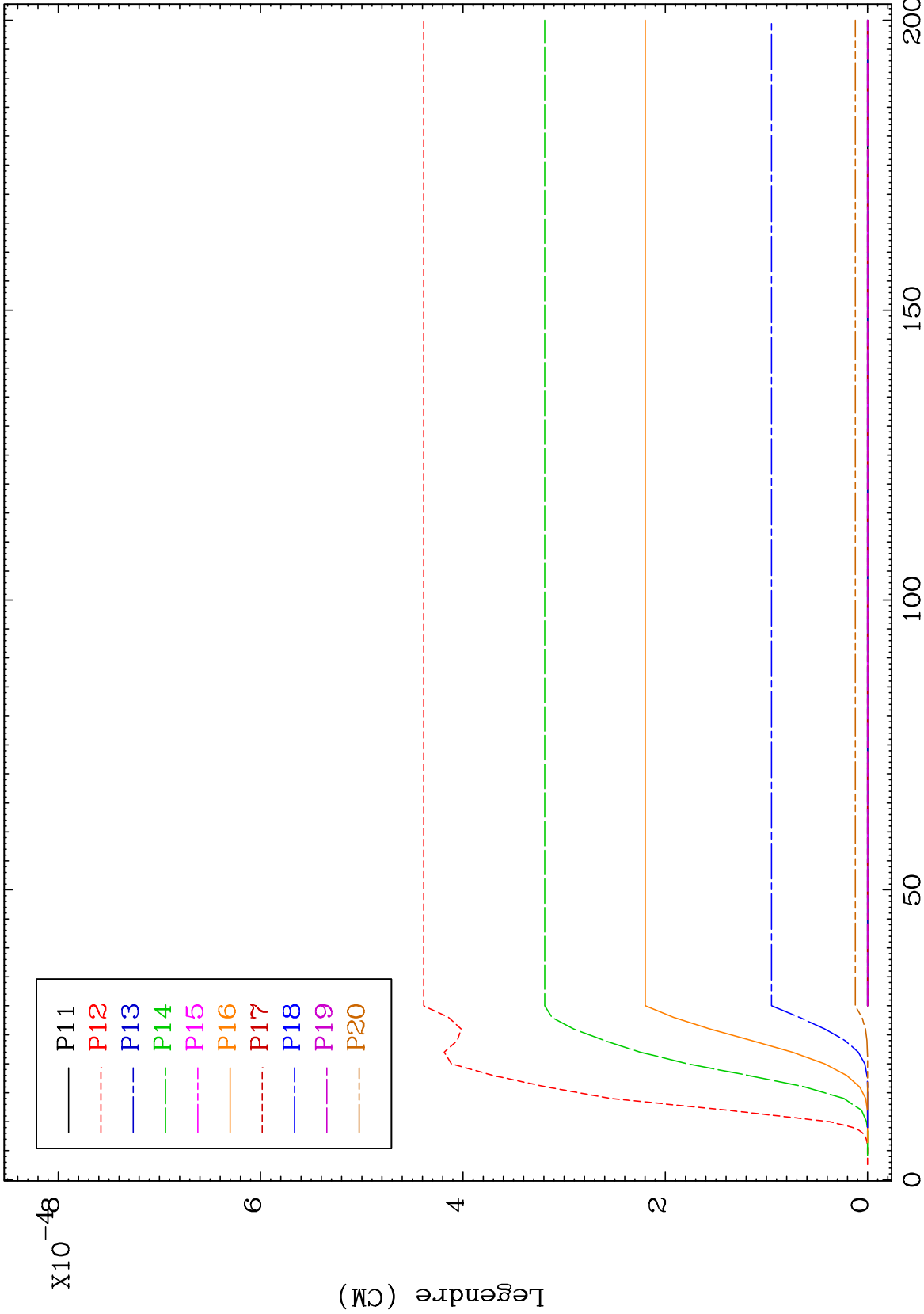


48 Incident Energy (MeV) 64-Gd-153

MAT 6428

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

64-Gd-153



49

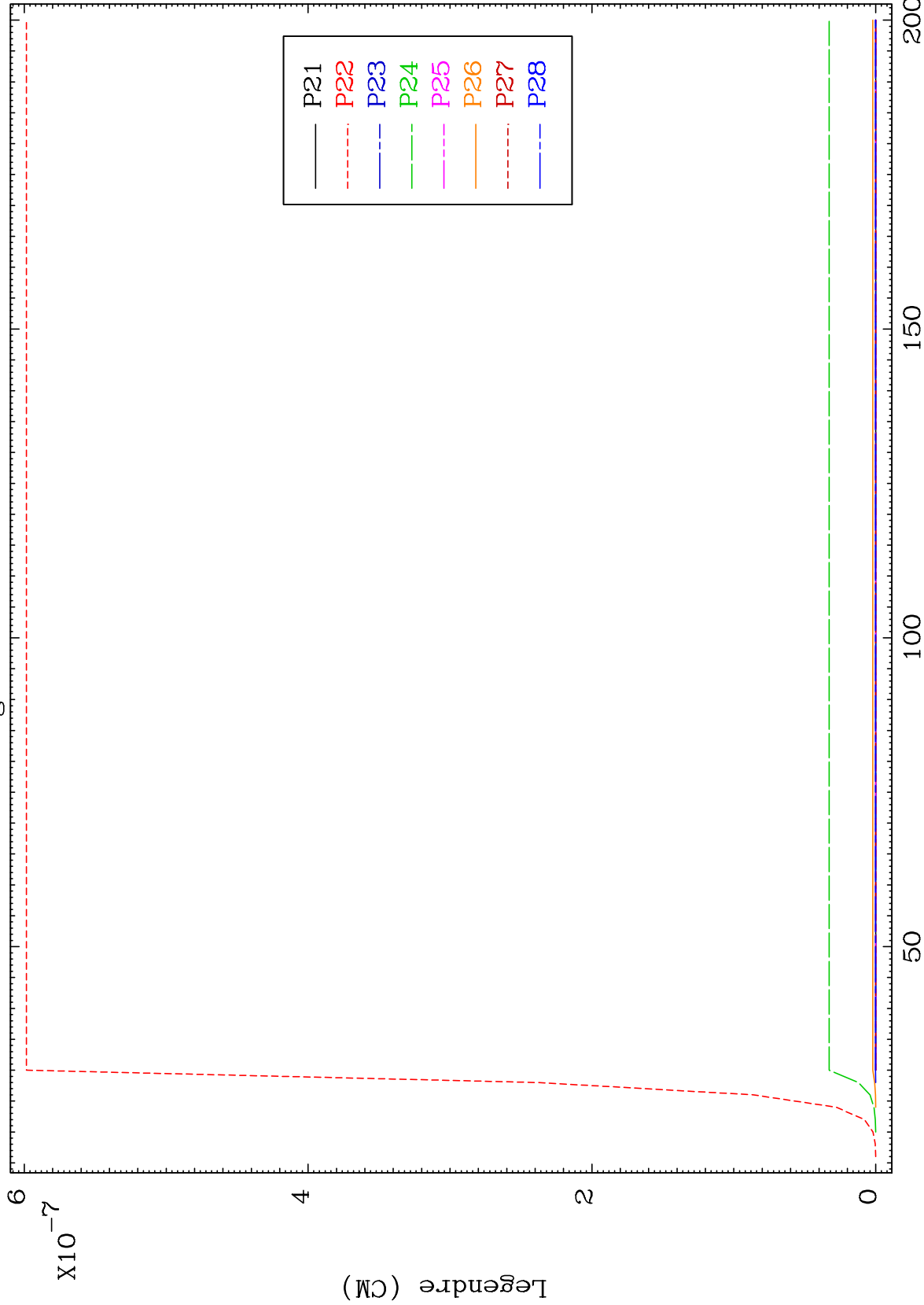
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



50

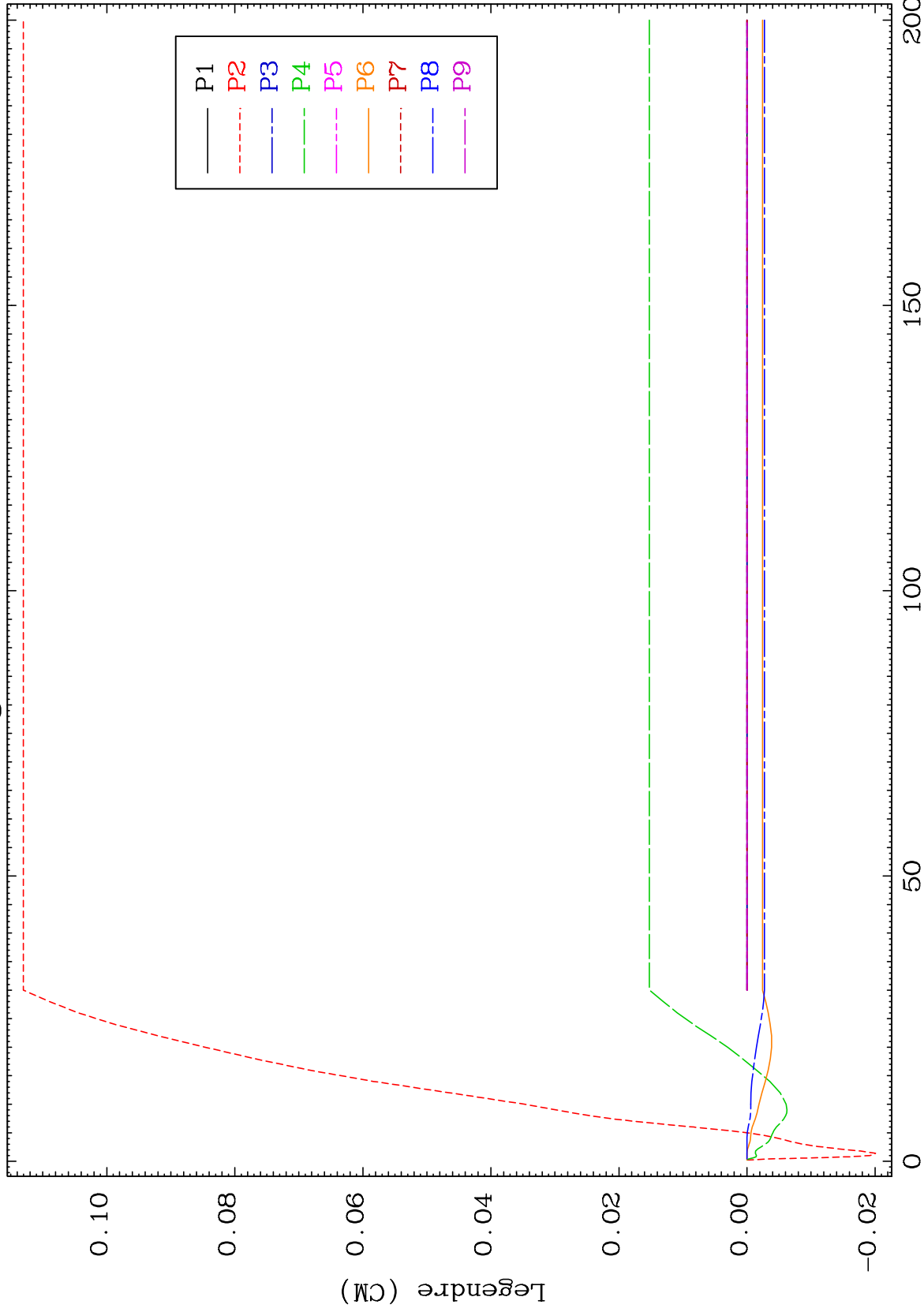
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



51

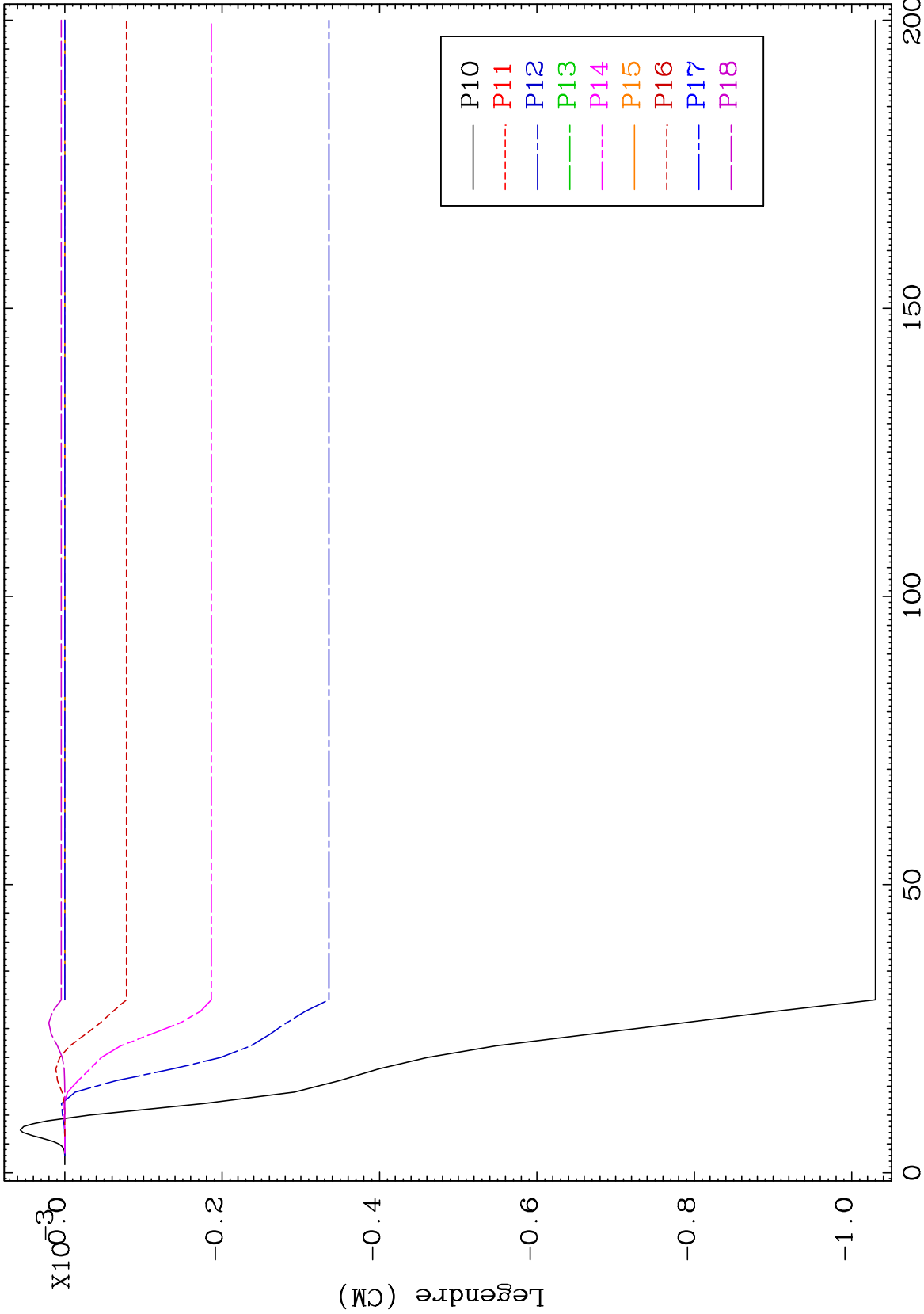
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



52

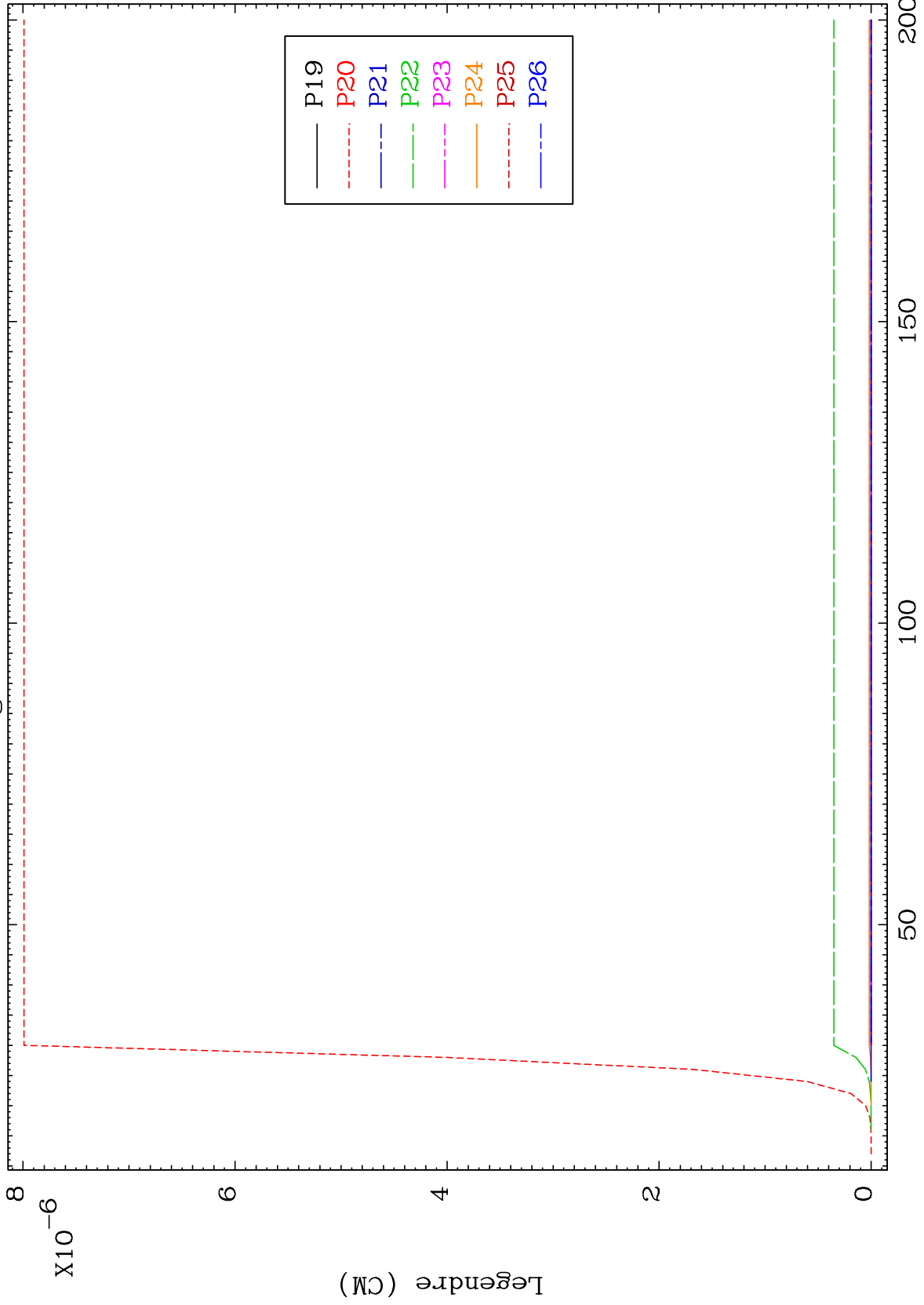
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

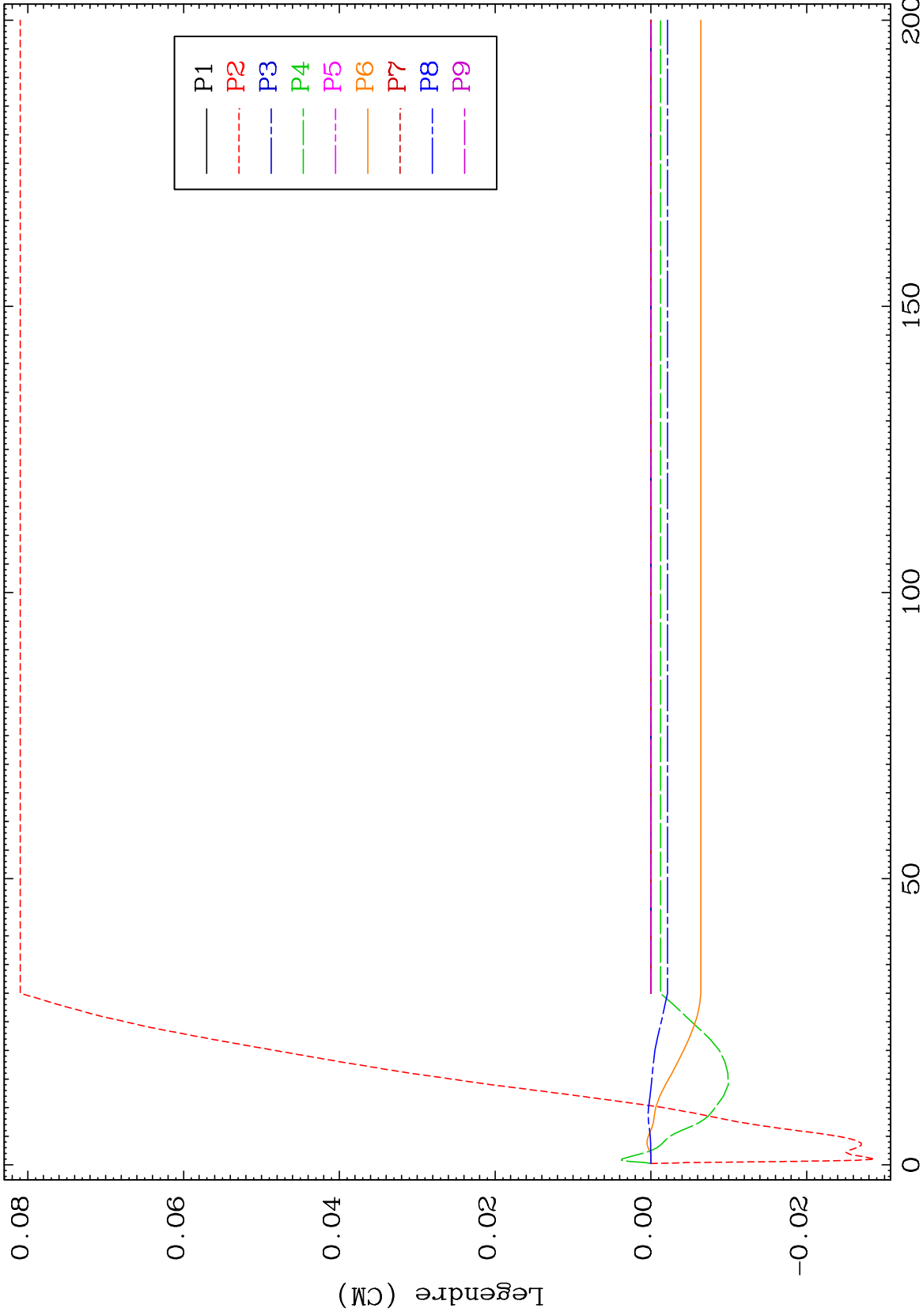
Incident Energy (MeV)

53

MAT 6428

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

64-Gd-153



54

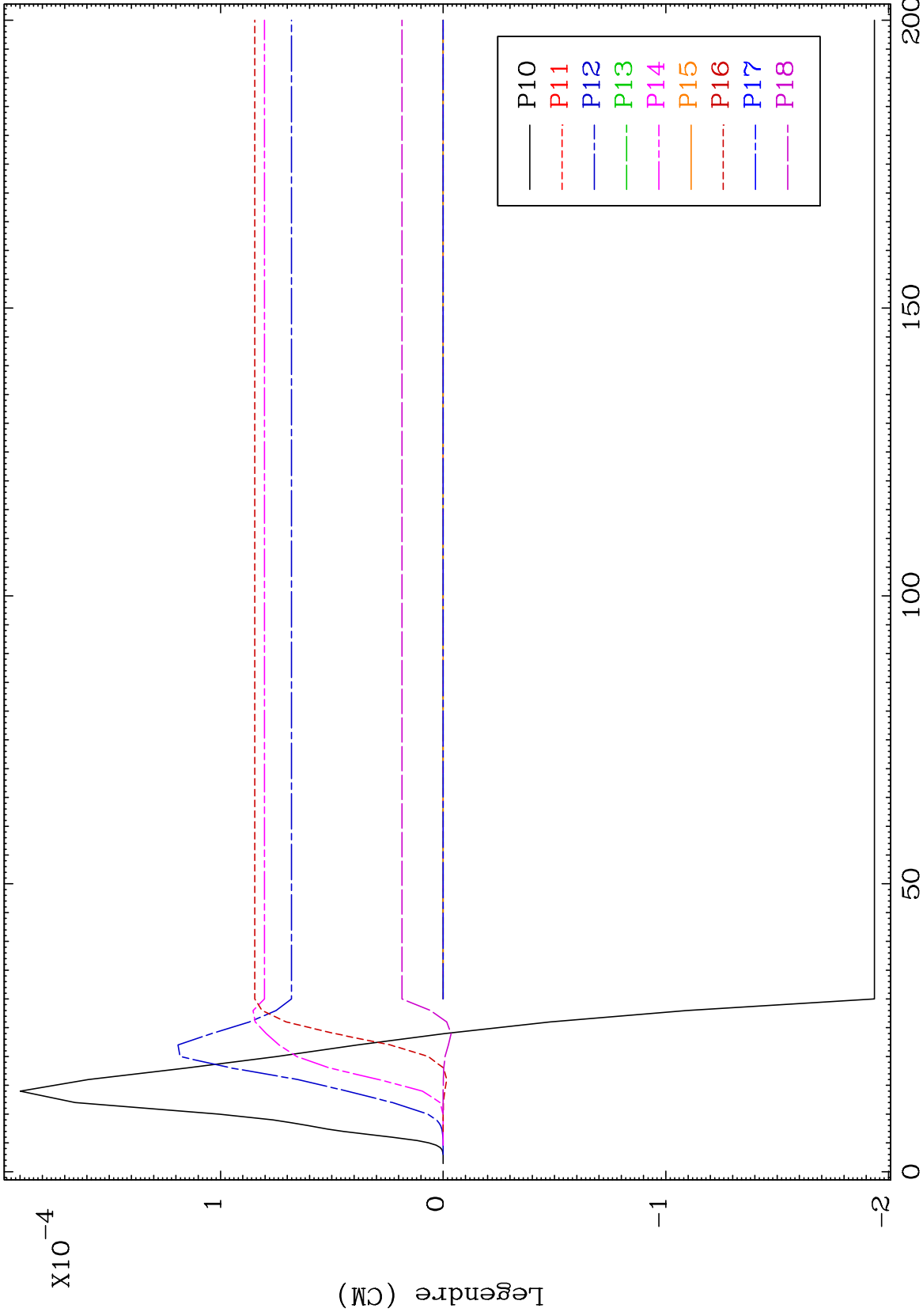
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



55

Incident Energy (MeV)

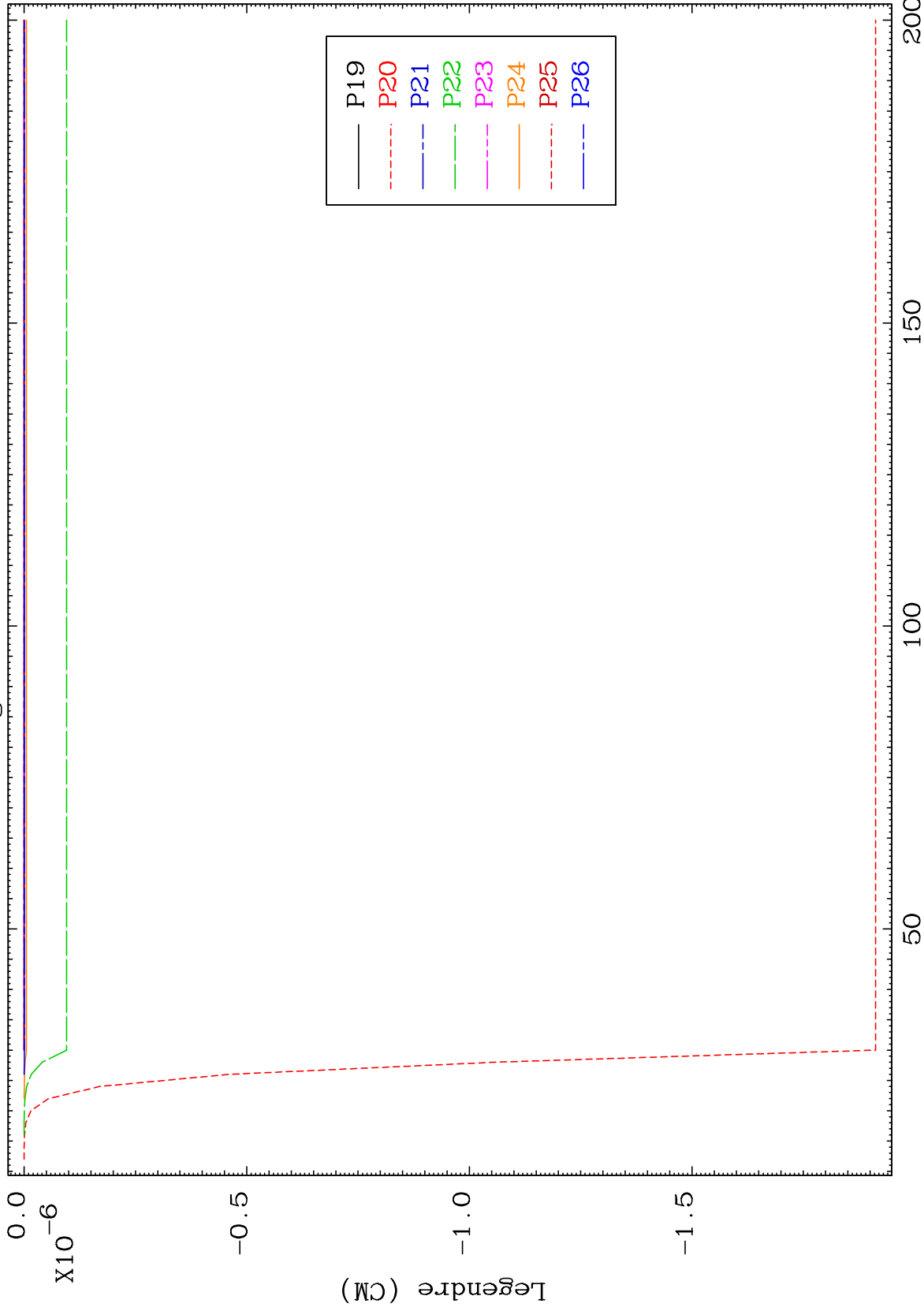
64-Gd-153



MAT 6428

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

64-Gd-153

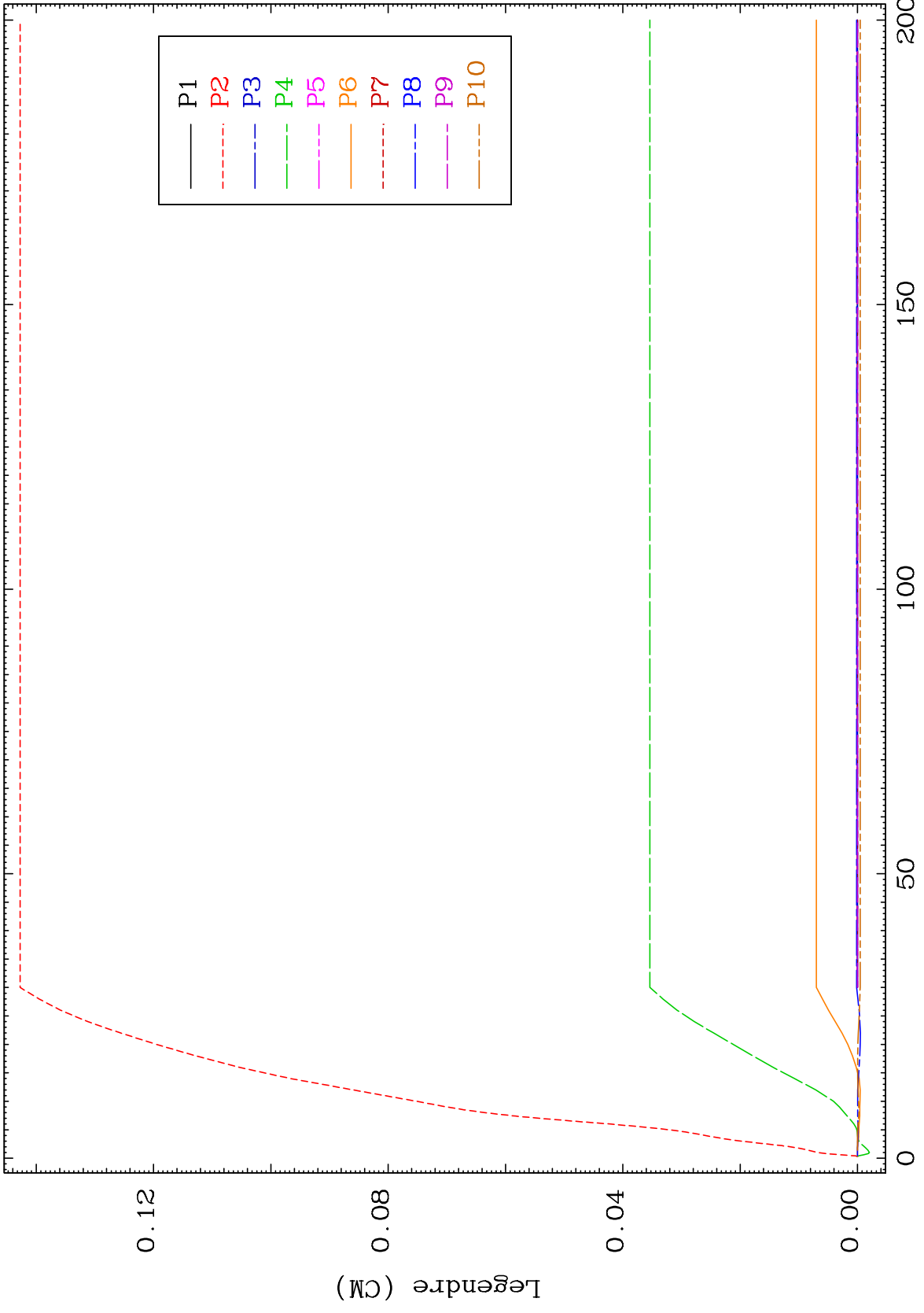


56

Incident Energy (MeV)

64-Gd-153

MAT 6428 MT= 63 (n,n') Level Legendre Coefficients 64-Gd-153

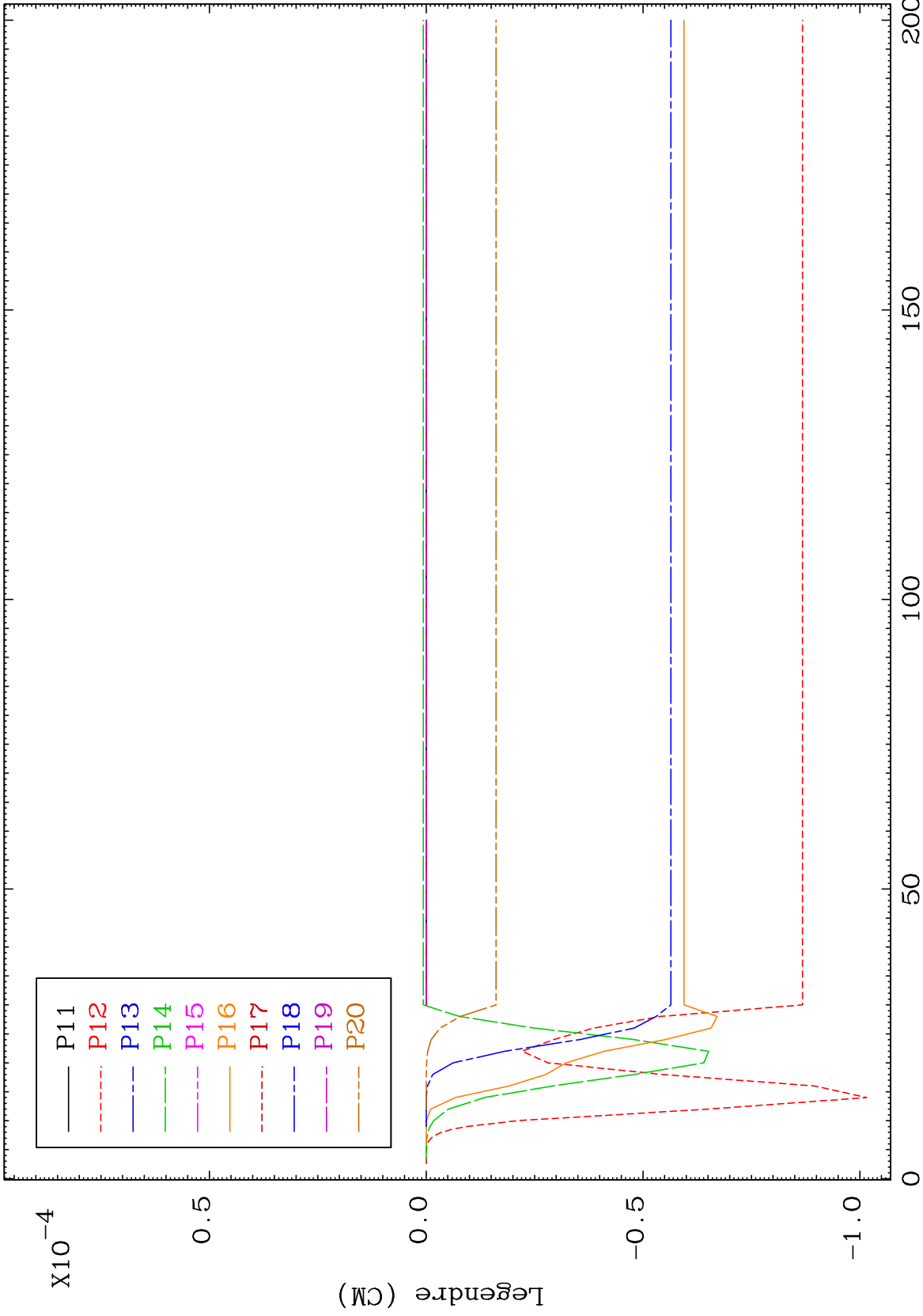


57 64-Gd-153

MAT 6428

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

64-Gd-153



58

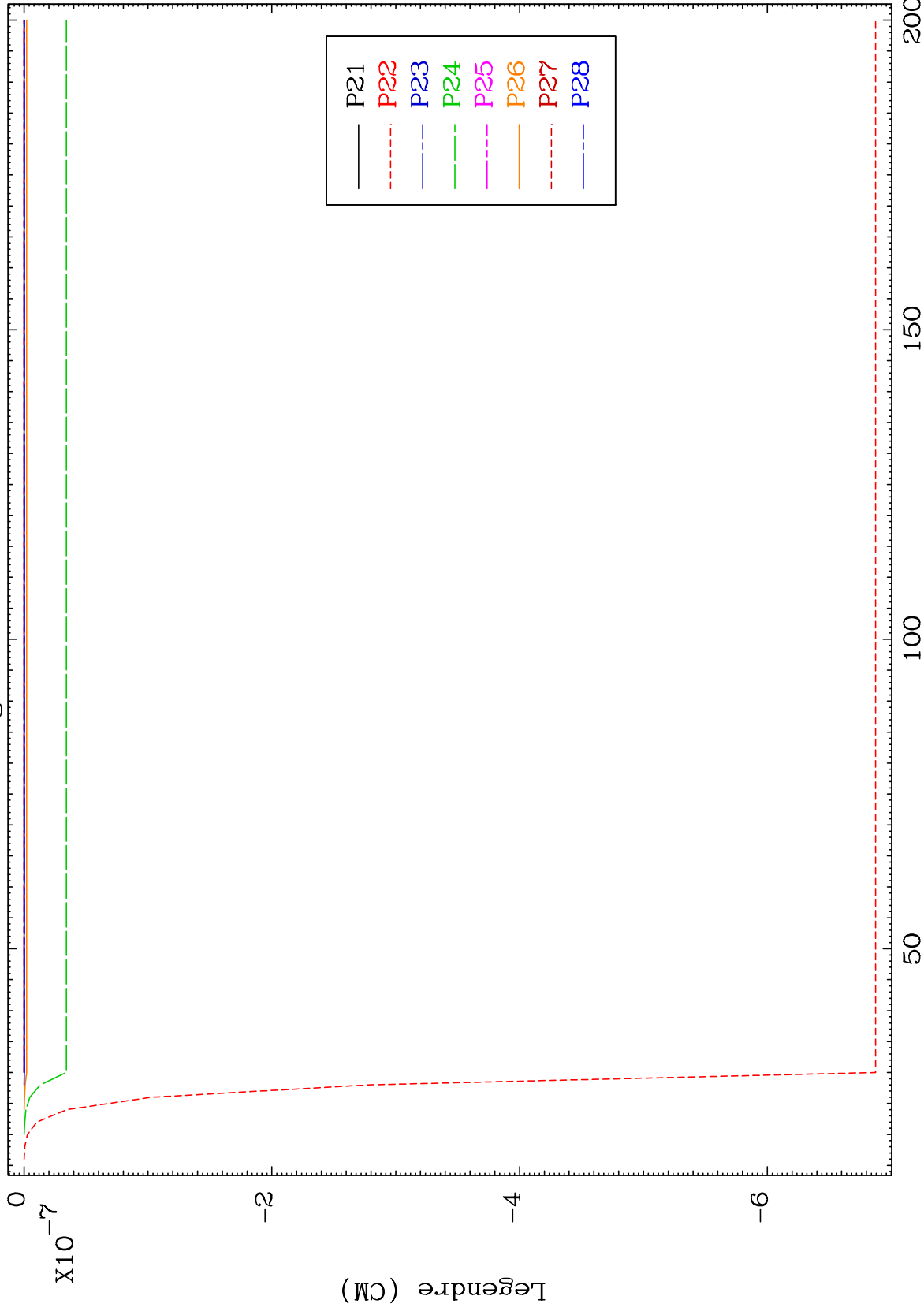
64-Gd-153

64-Gd-153

MAT 6428

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

64-Gd-153



59

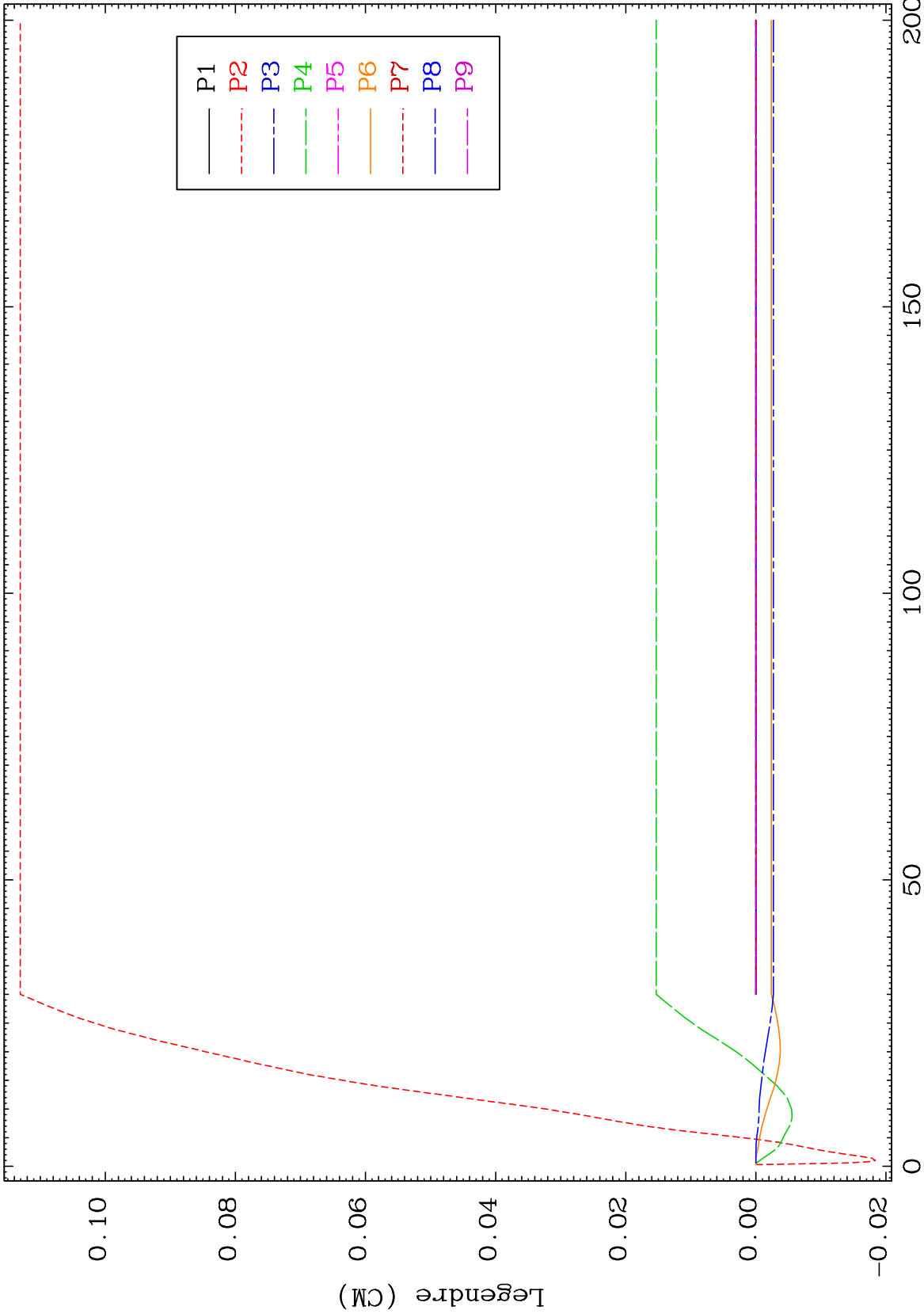
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



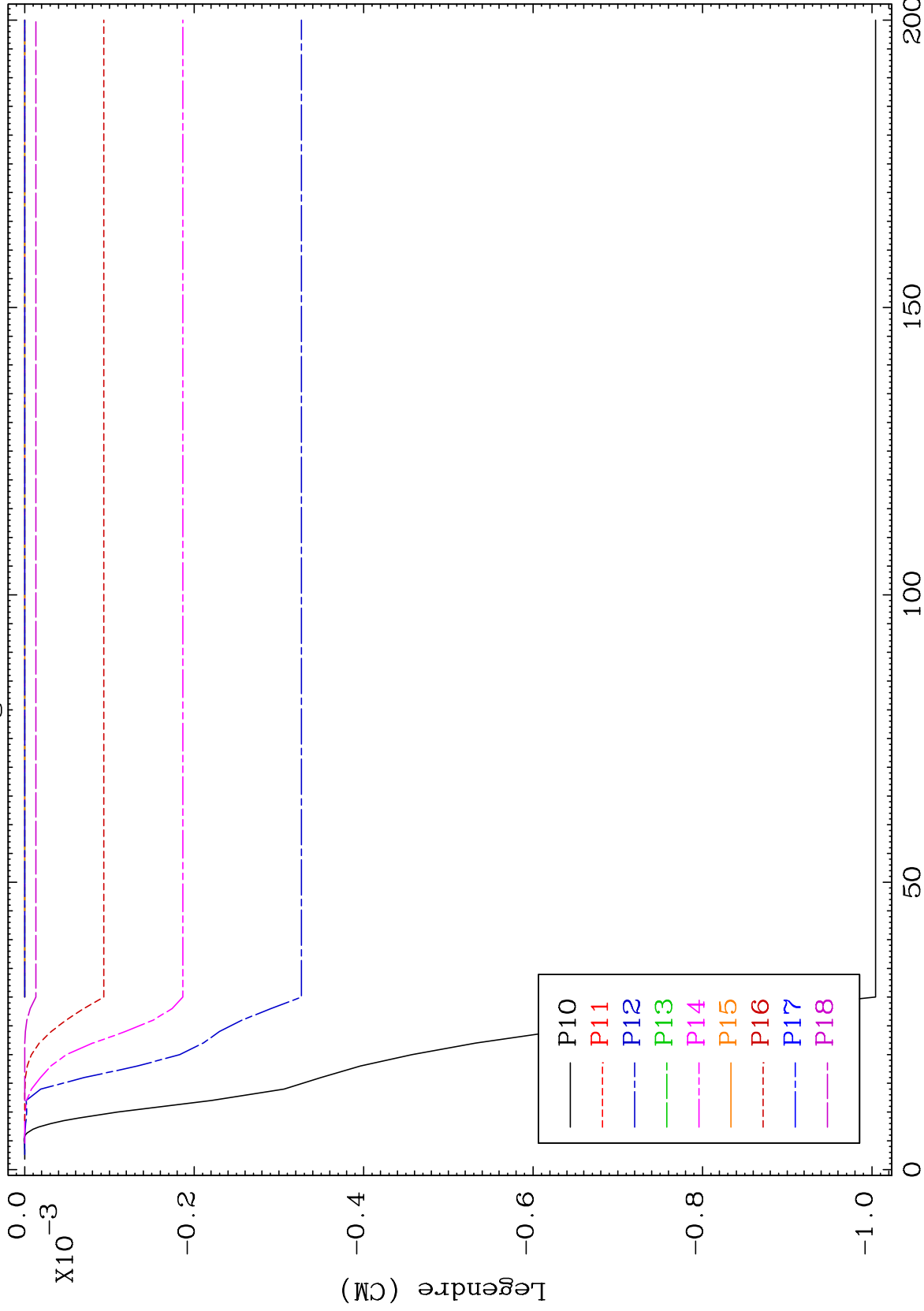
64-Gd-153

Incident Energy (MeV)

MAT 6428

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

64-Gd-153

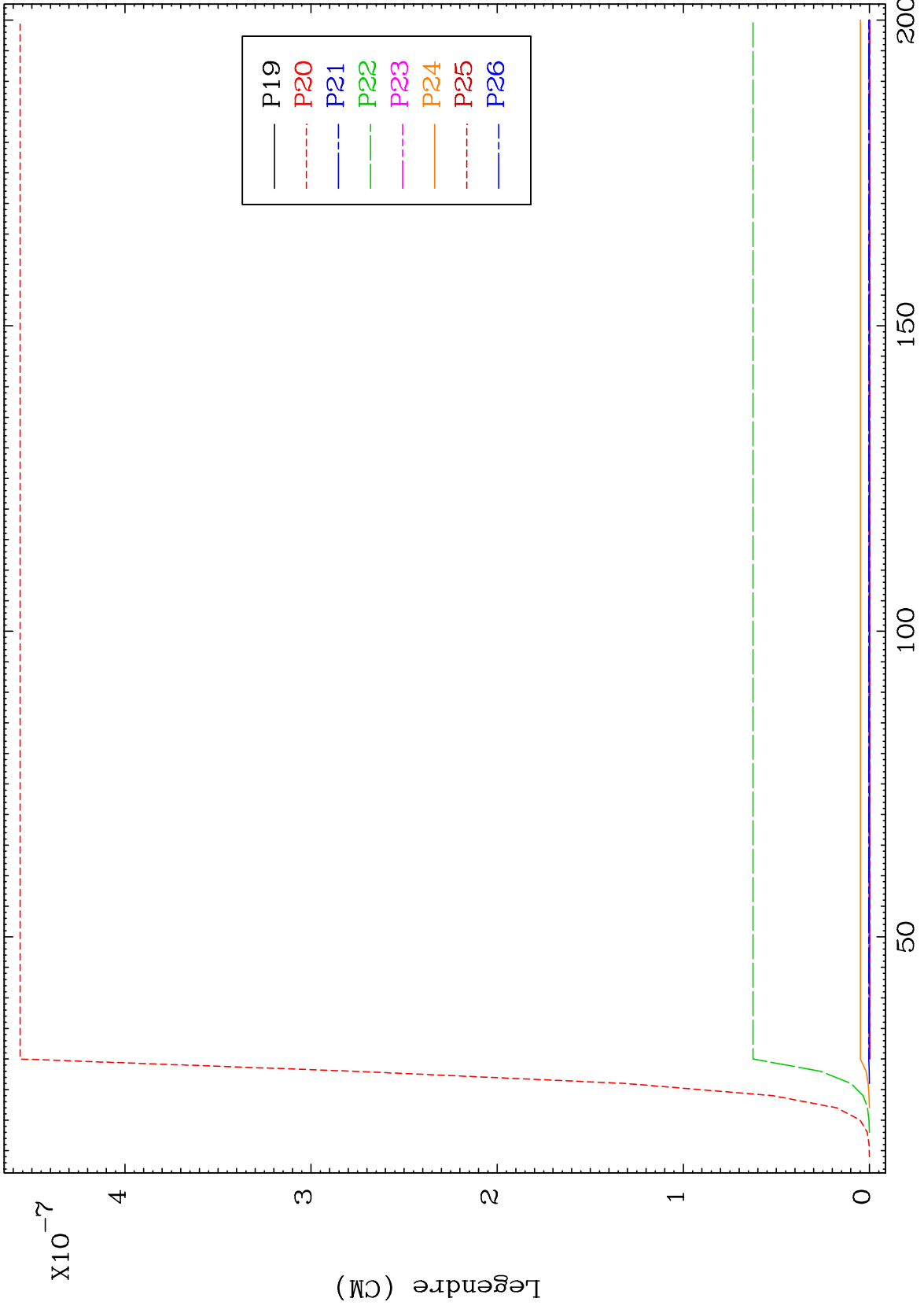


61

Incident Energy (MeV)

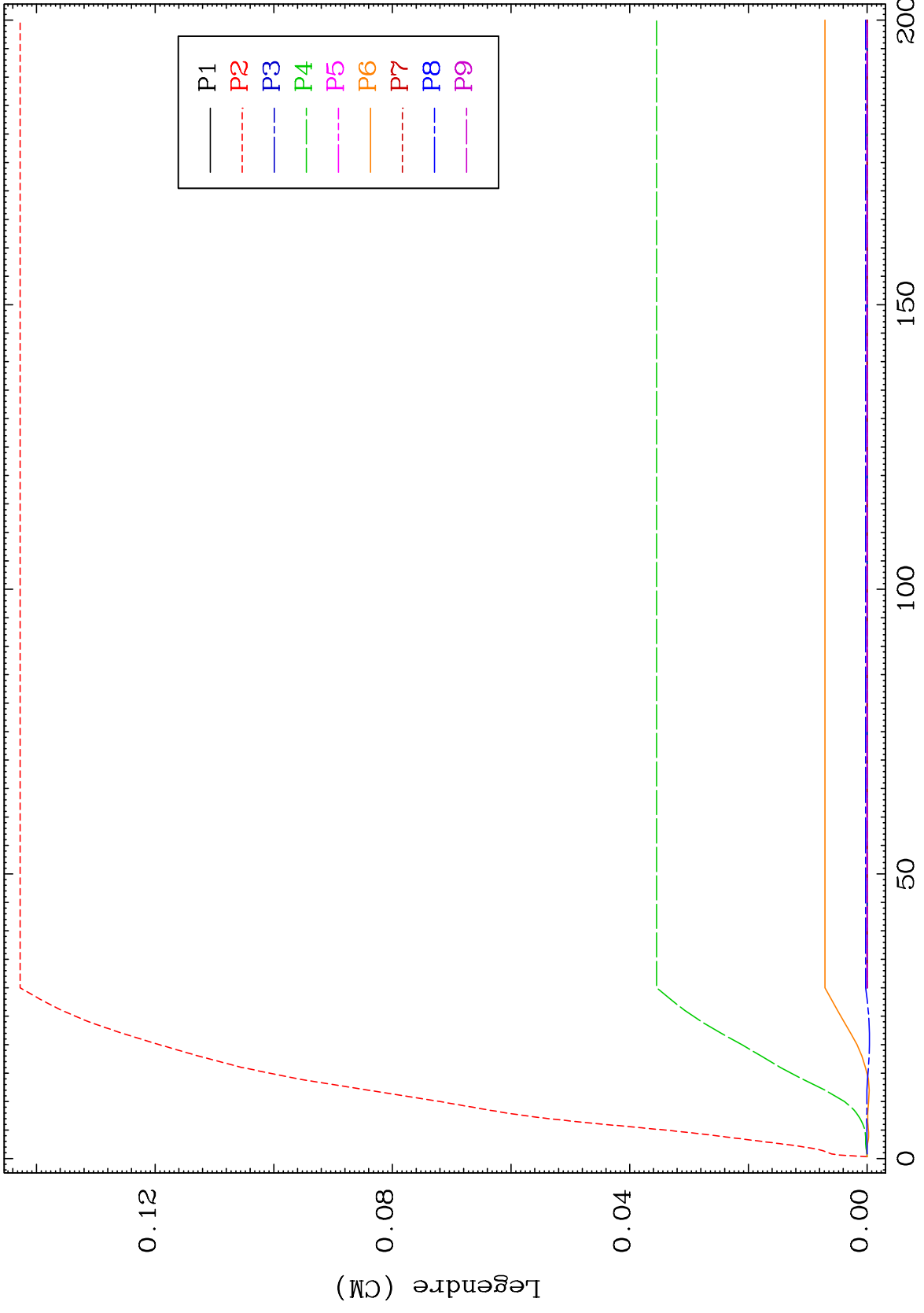
64-Gd-153

MAT 6428 MT= 64 (n,n') Level Legendre Coefficients 64-Gd-153



64-Gd-153

MAT 6428 MT= 65 (n,n') Level Legendre Coefficients 64-Gd-153



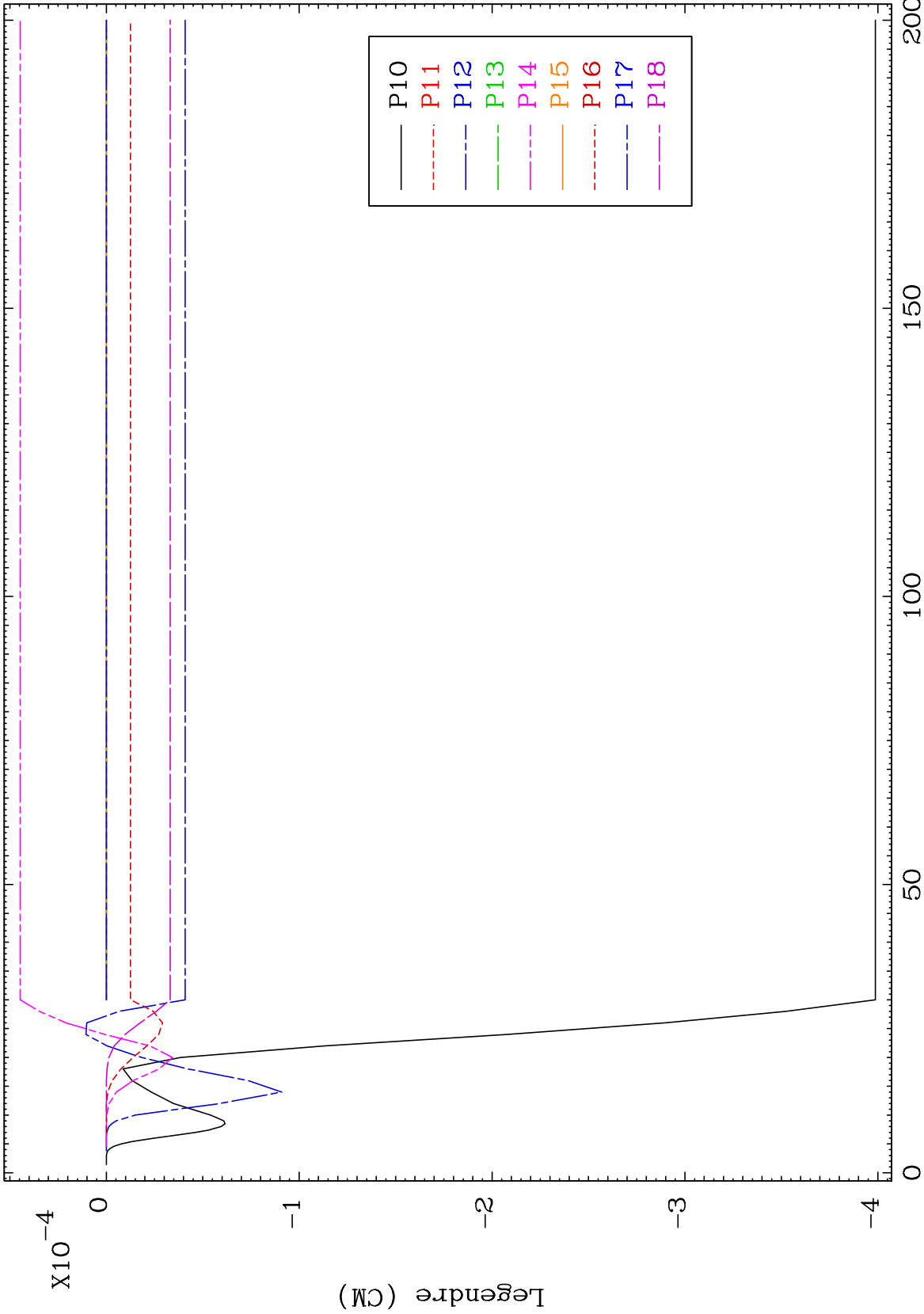
63 Incident Energy (MeV) 64-Gd-153



MAT 6428

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

64-Gd-153



64

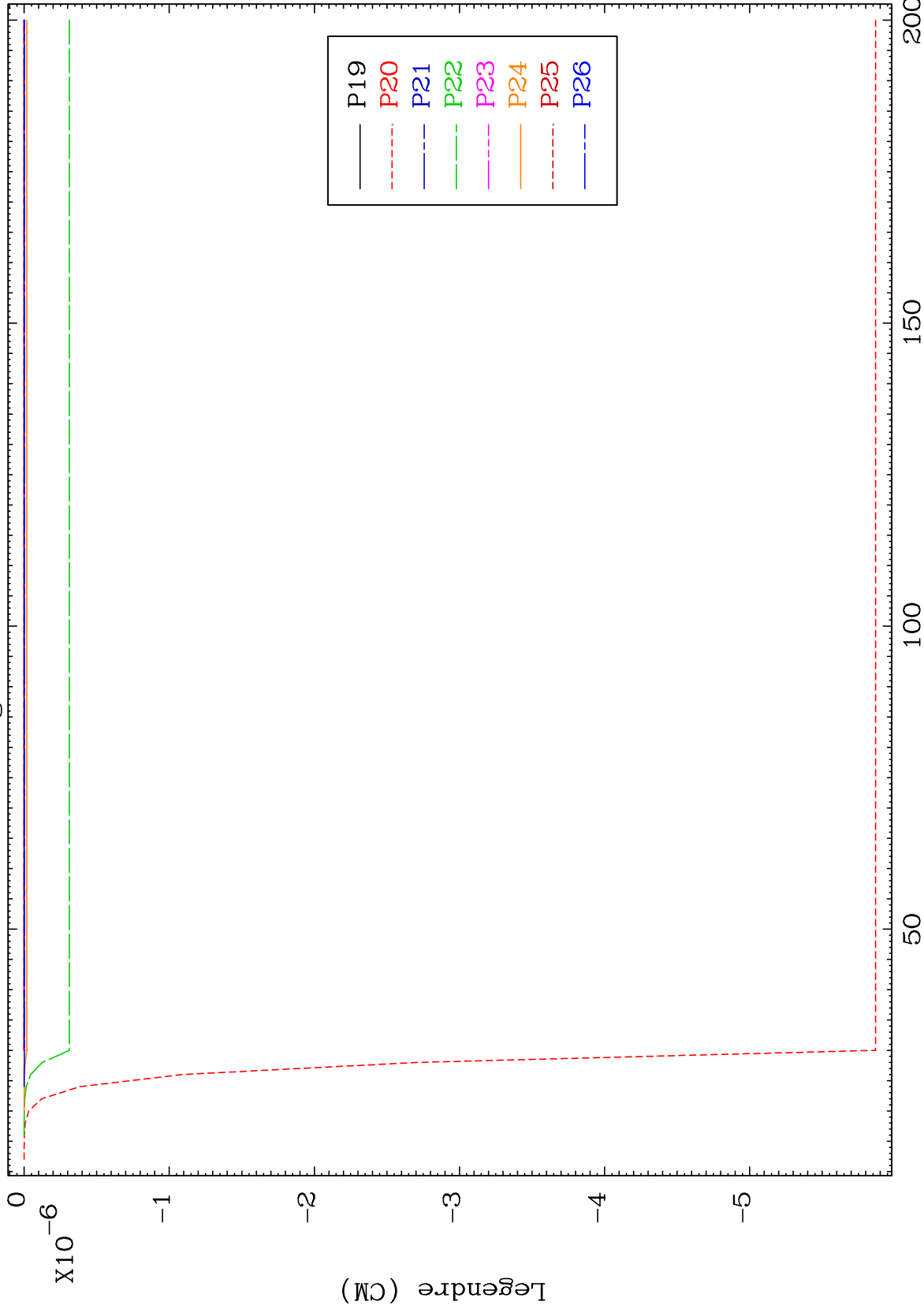
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

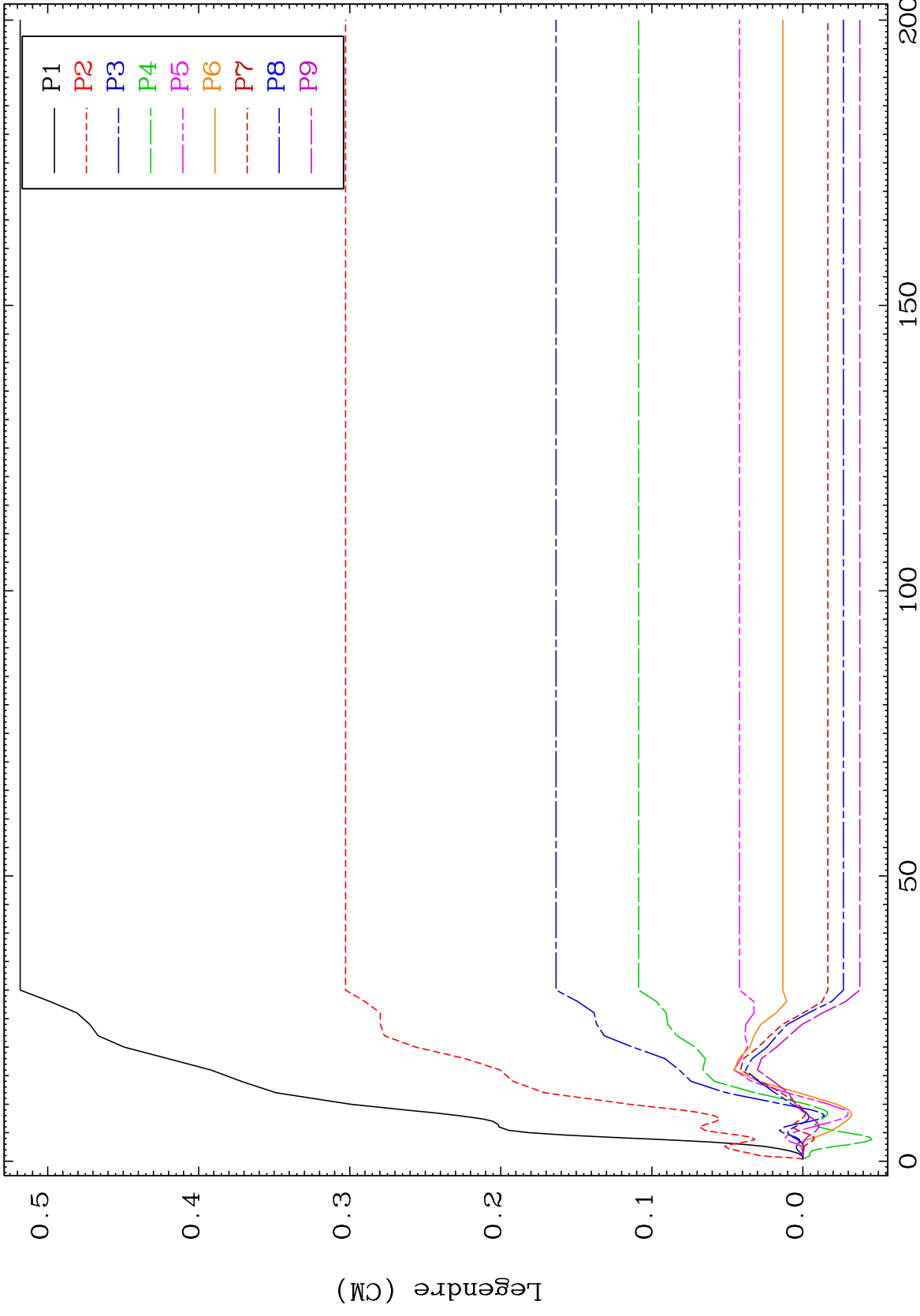
Incident Energy (MeV)

65

MAT 6428

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

64-Gd-153



66

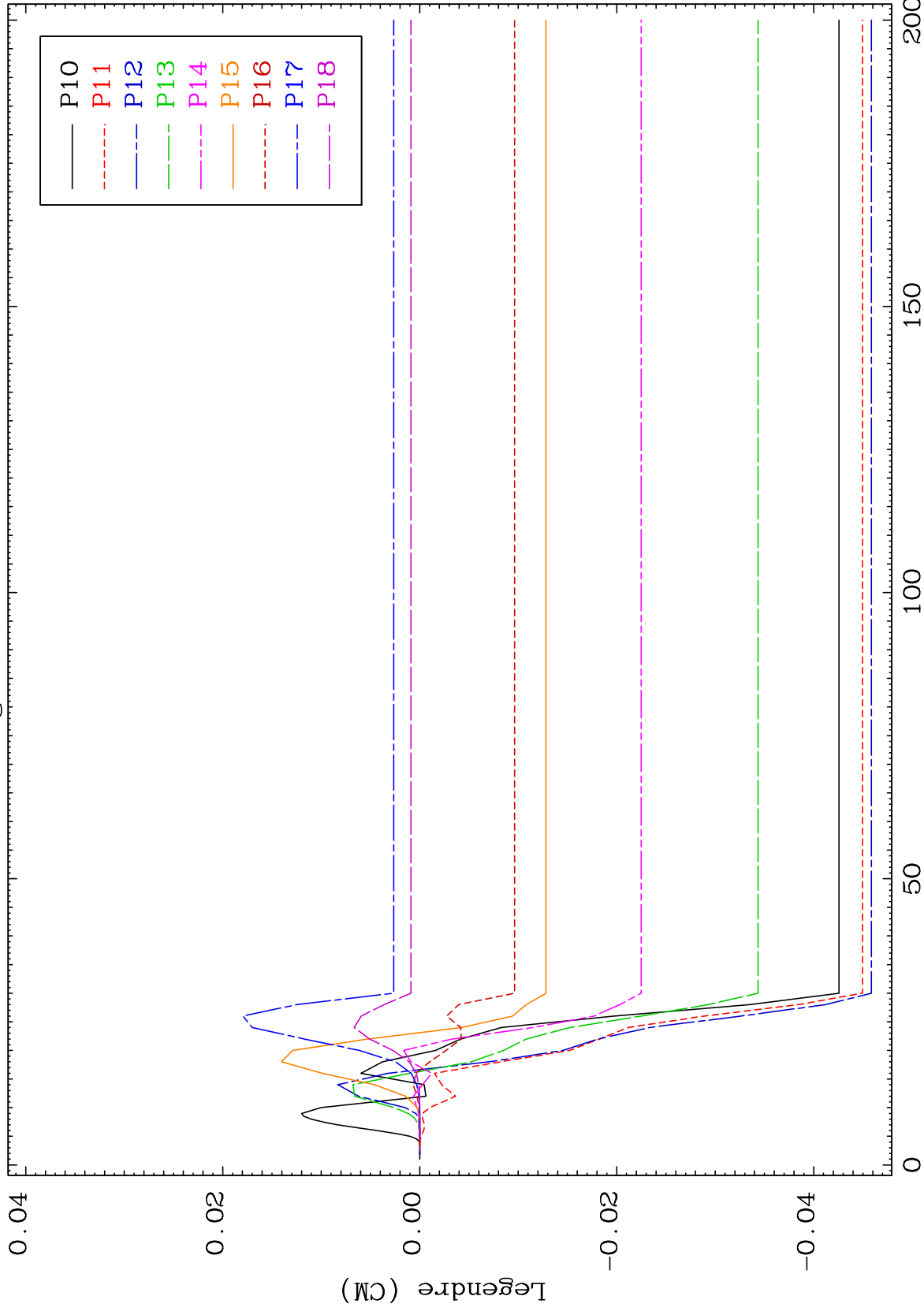
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



67

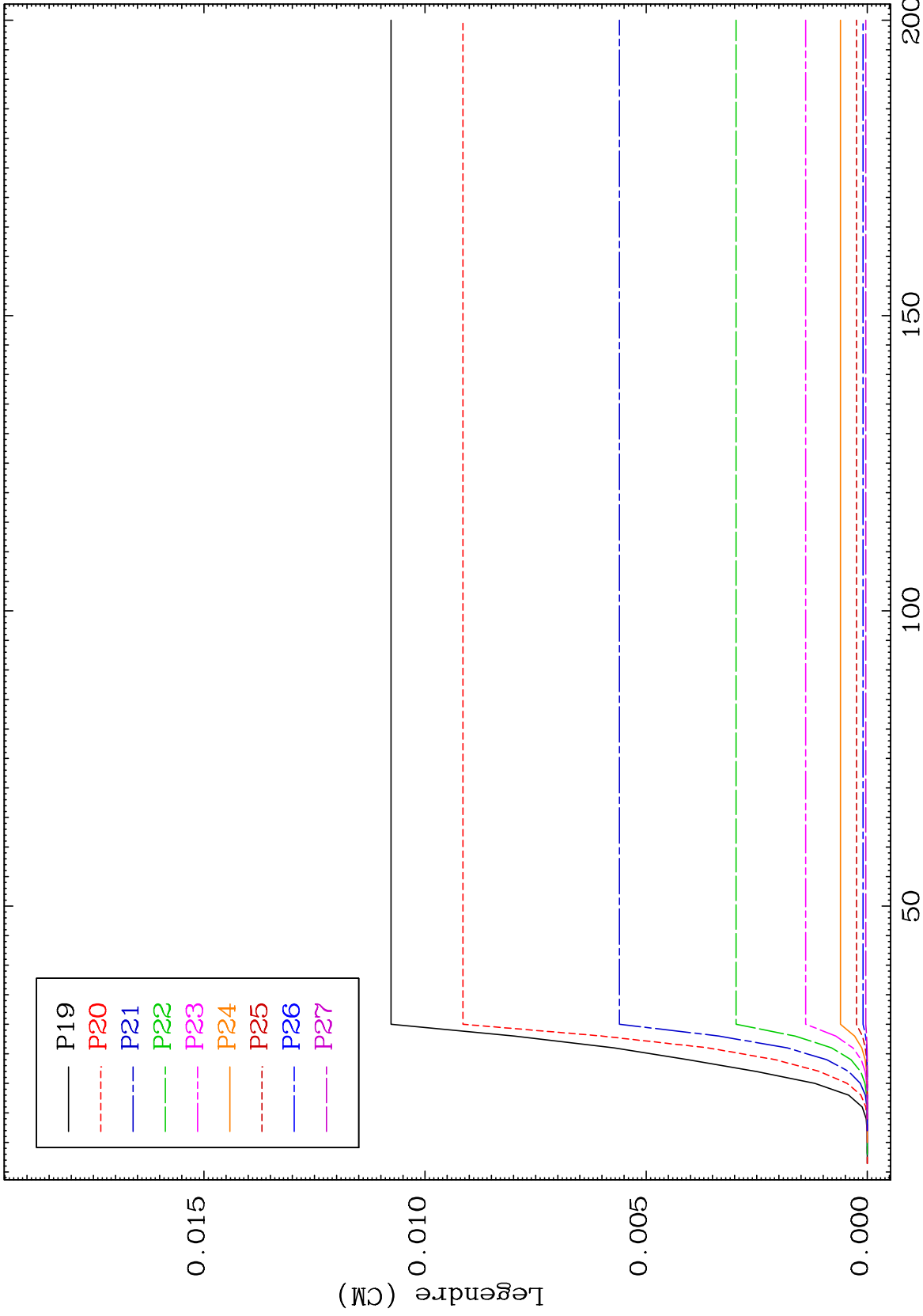
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



68

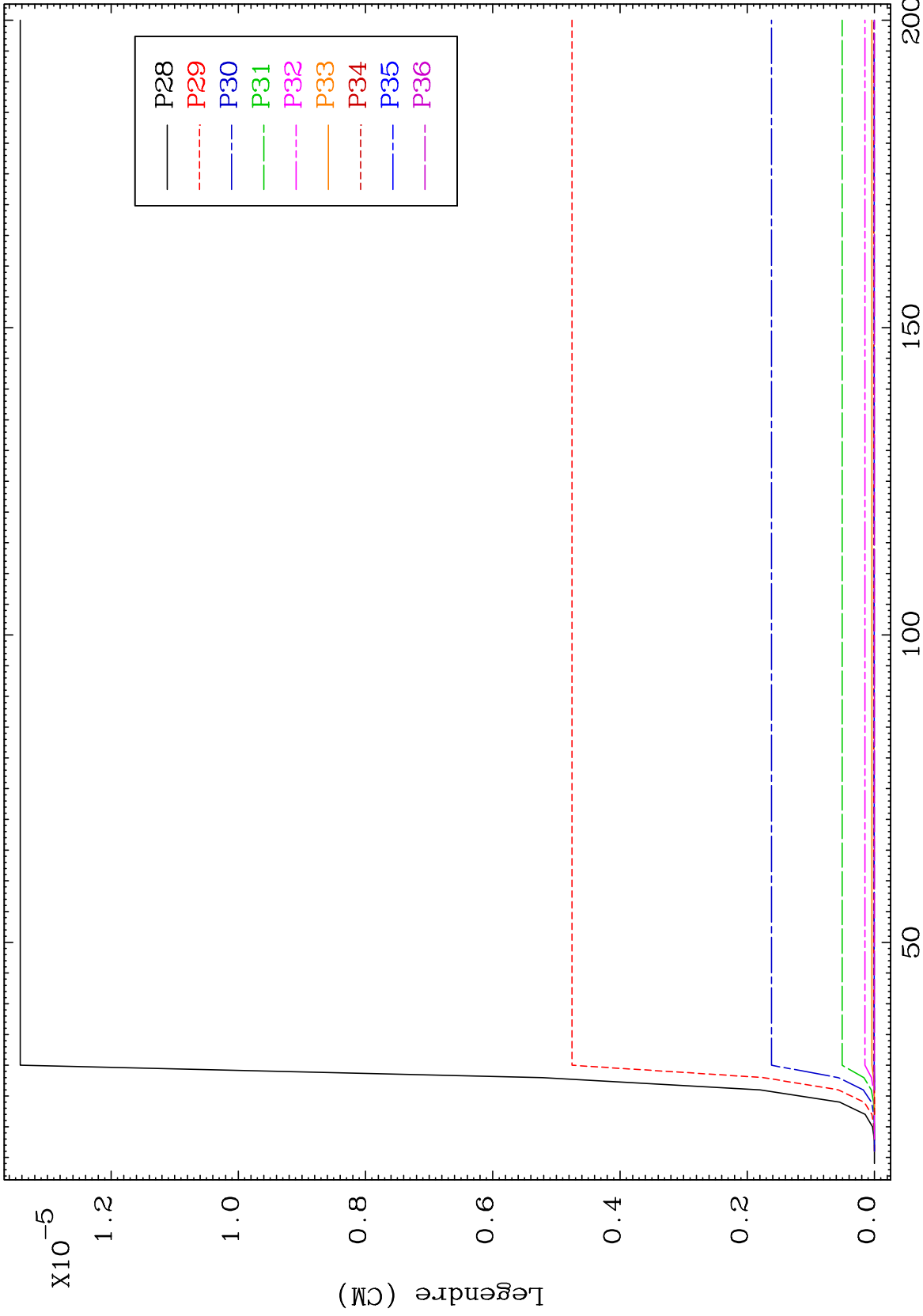
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153

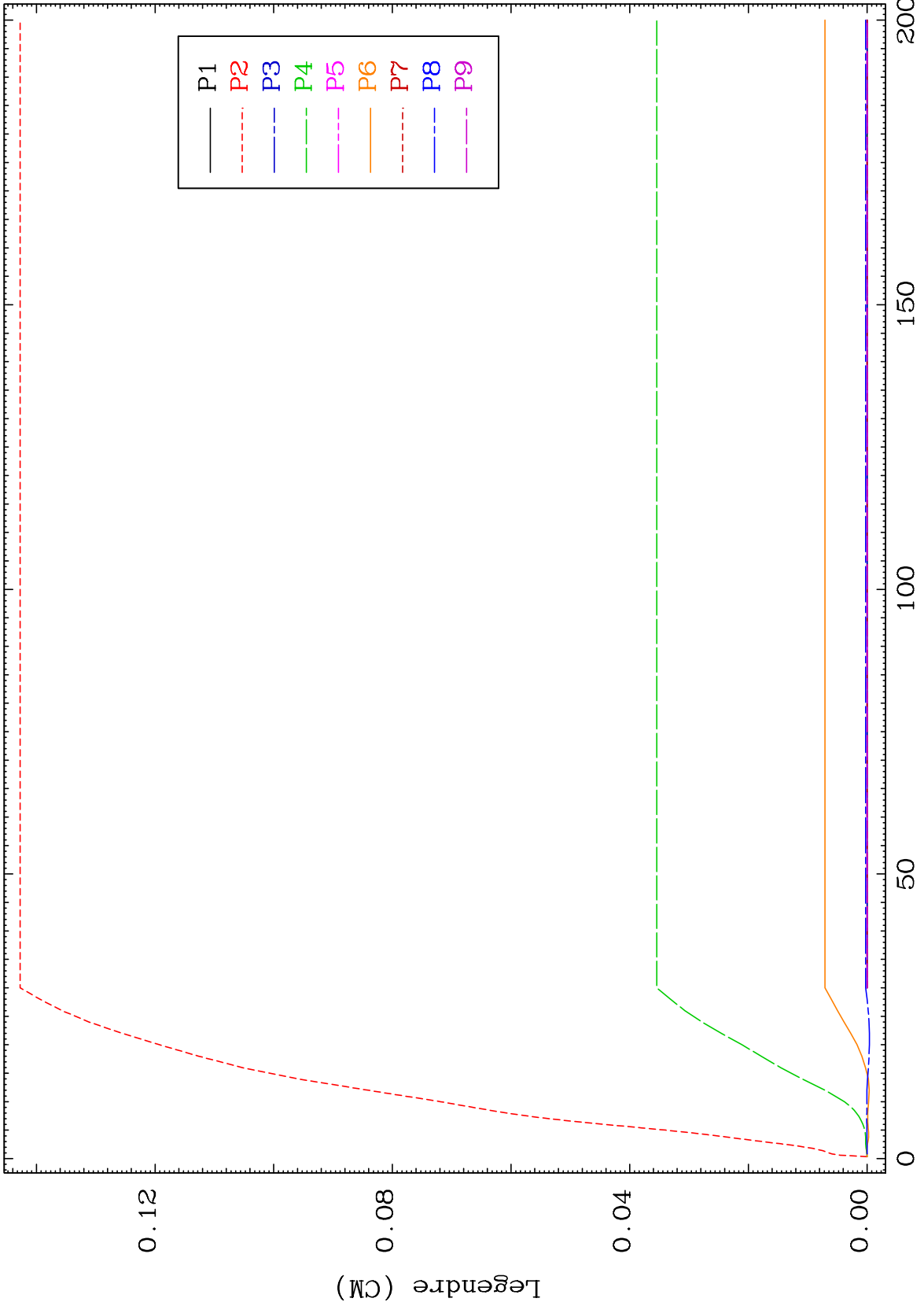


69

Incident Energy (MeV)

64-Gd-153

MAT 6428 MT= 67 (n,n') Level Legendre Coefficients 64-Gd-153

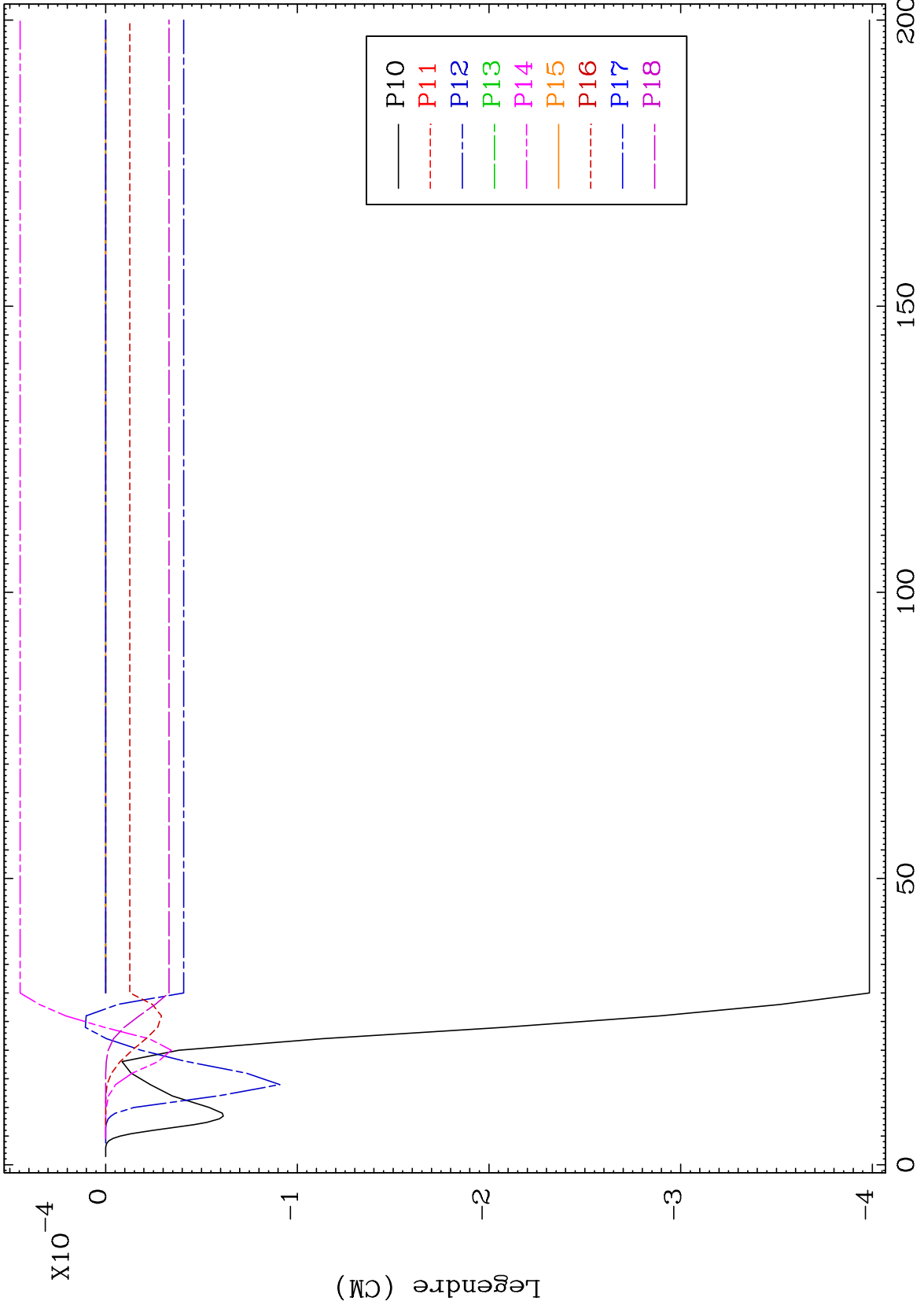


64-Gd-153

MAT 6428

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

64-Gd-153



71

Incident Energy (MeV)

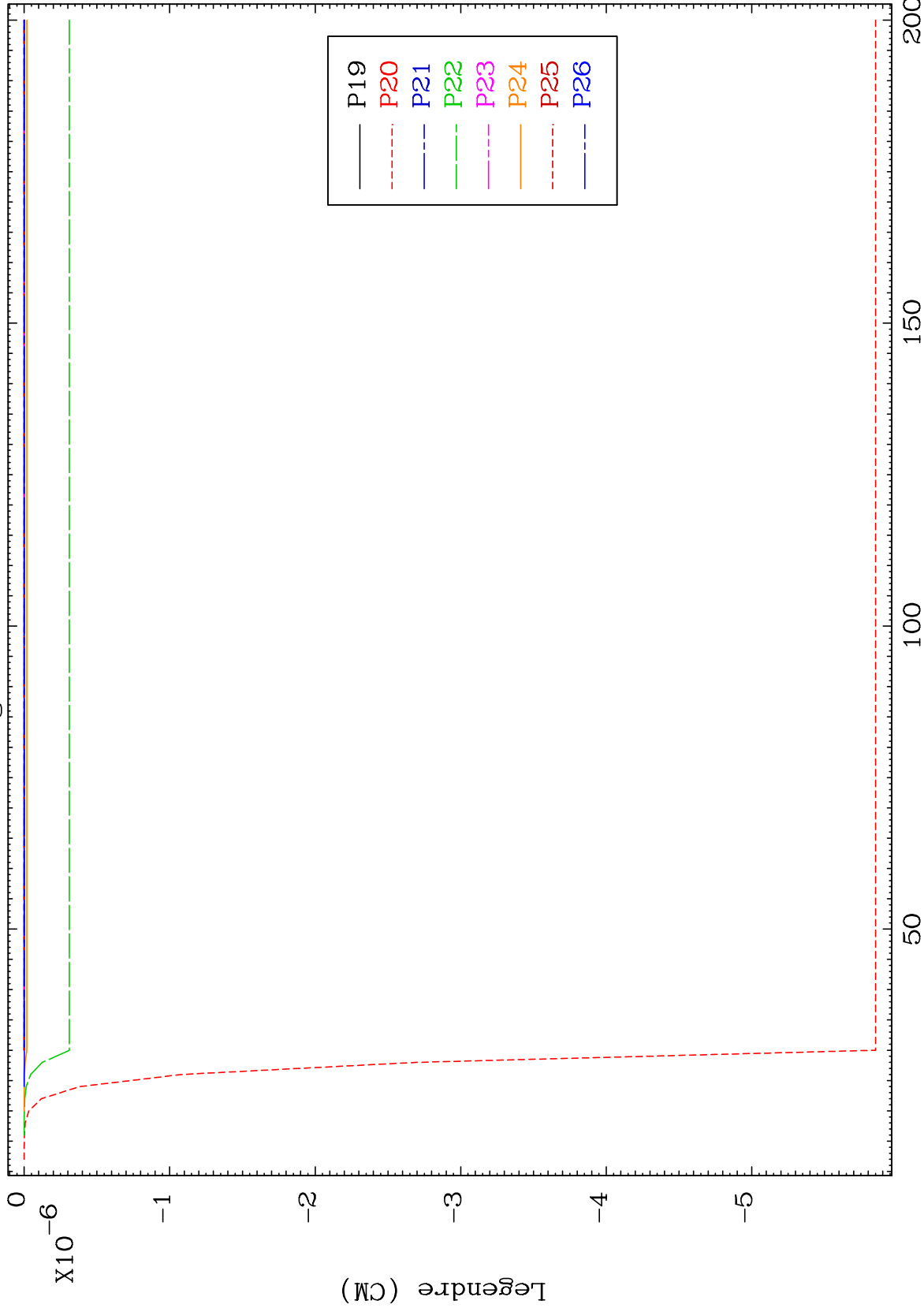
64-Gd-153



MAT 6428

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

64-Gd-153

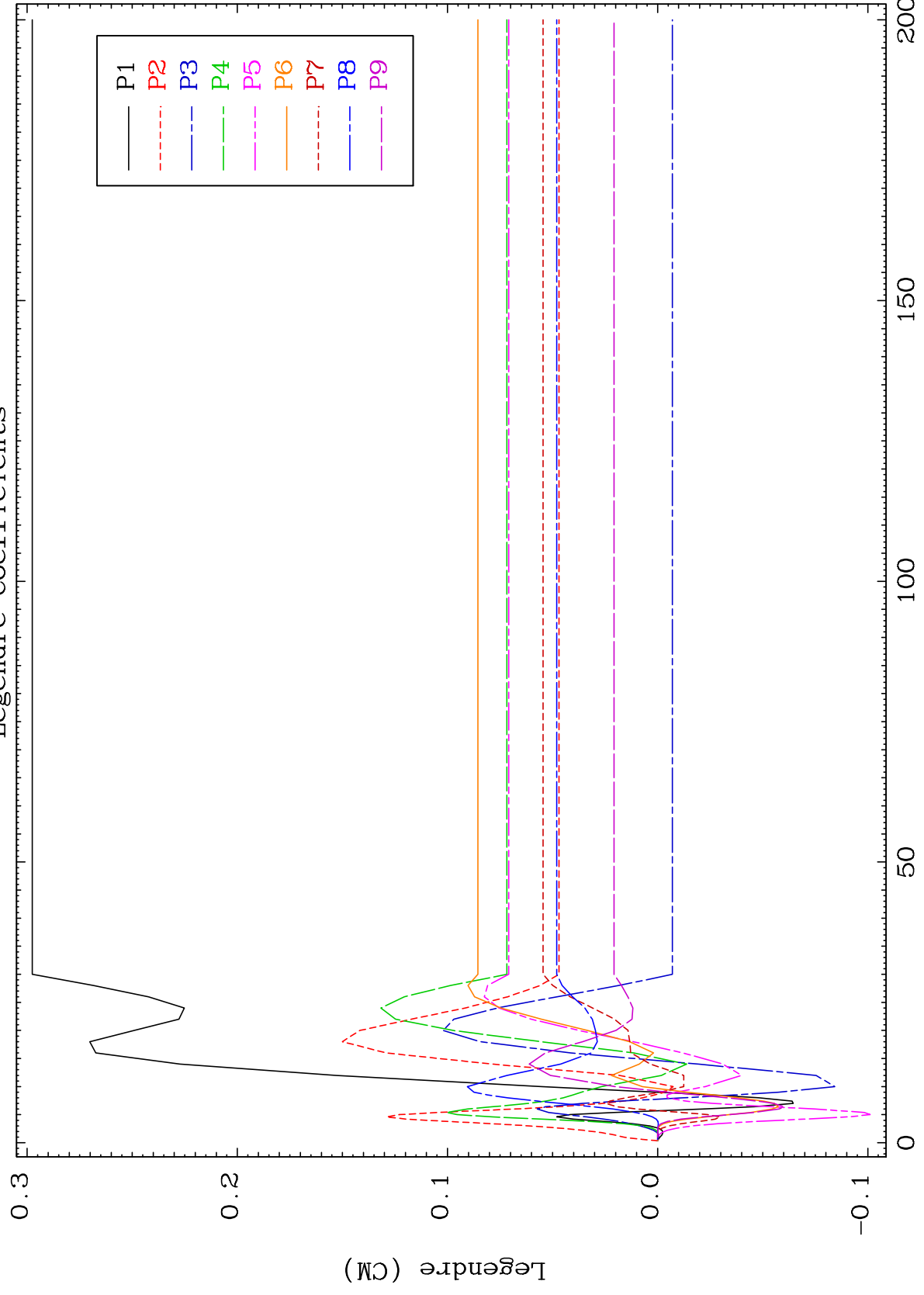


72

Incident Energy (MeV)

64-Gd-153

MAT 6428 MT= 68 (n,n') Level Legendre Coefficients 64-Gd-153

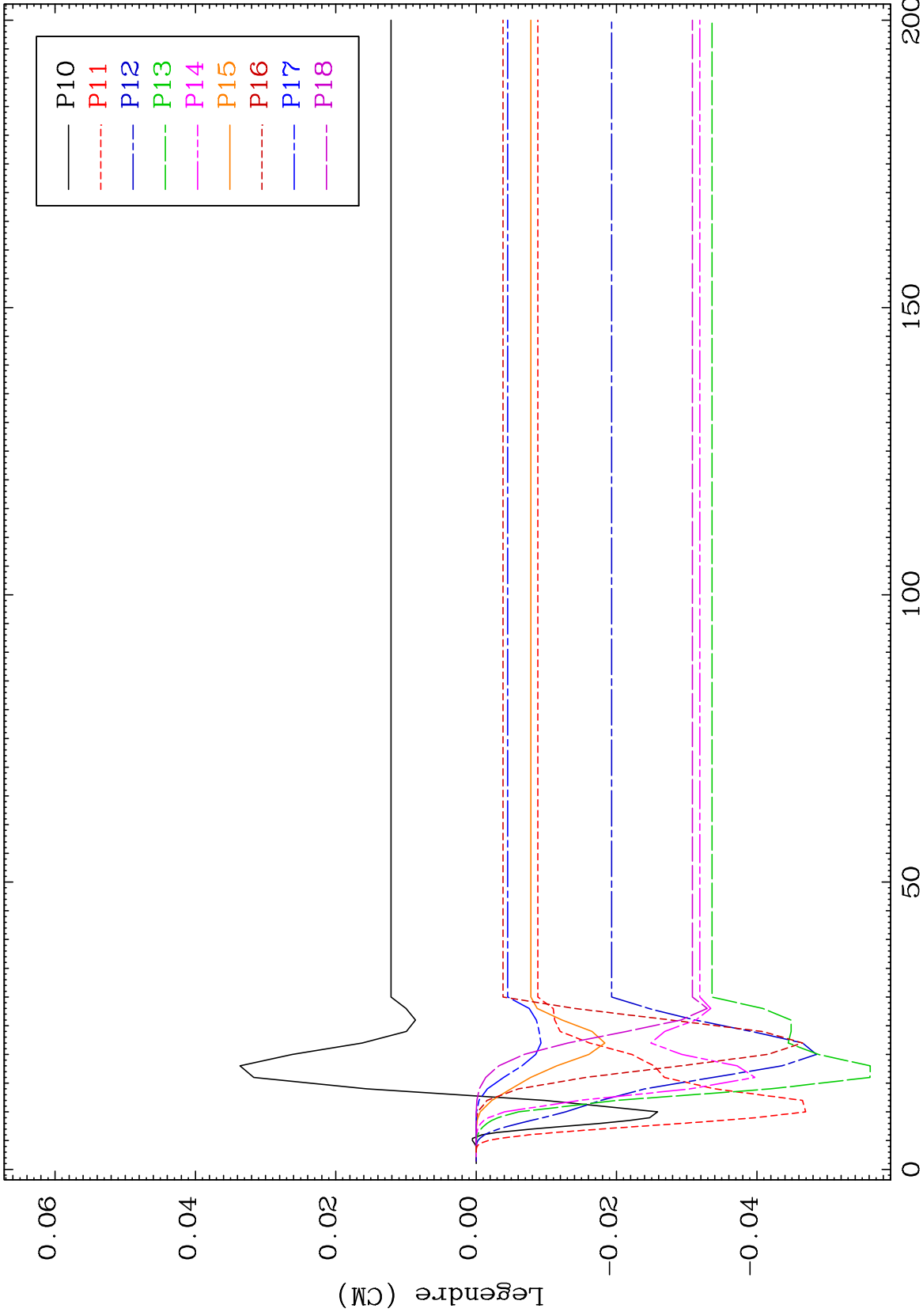


73 64-Gd-153

MAT 6428

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

64-Gd-153



74

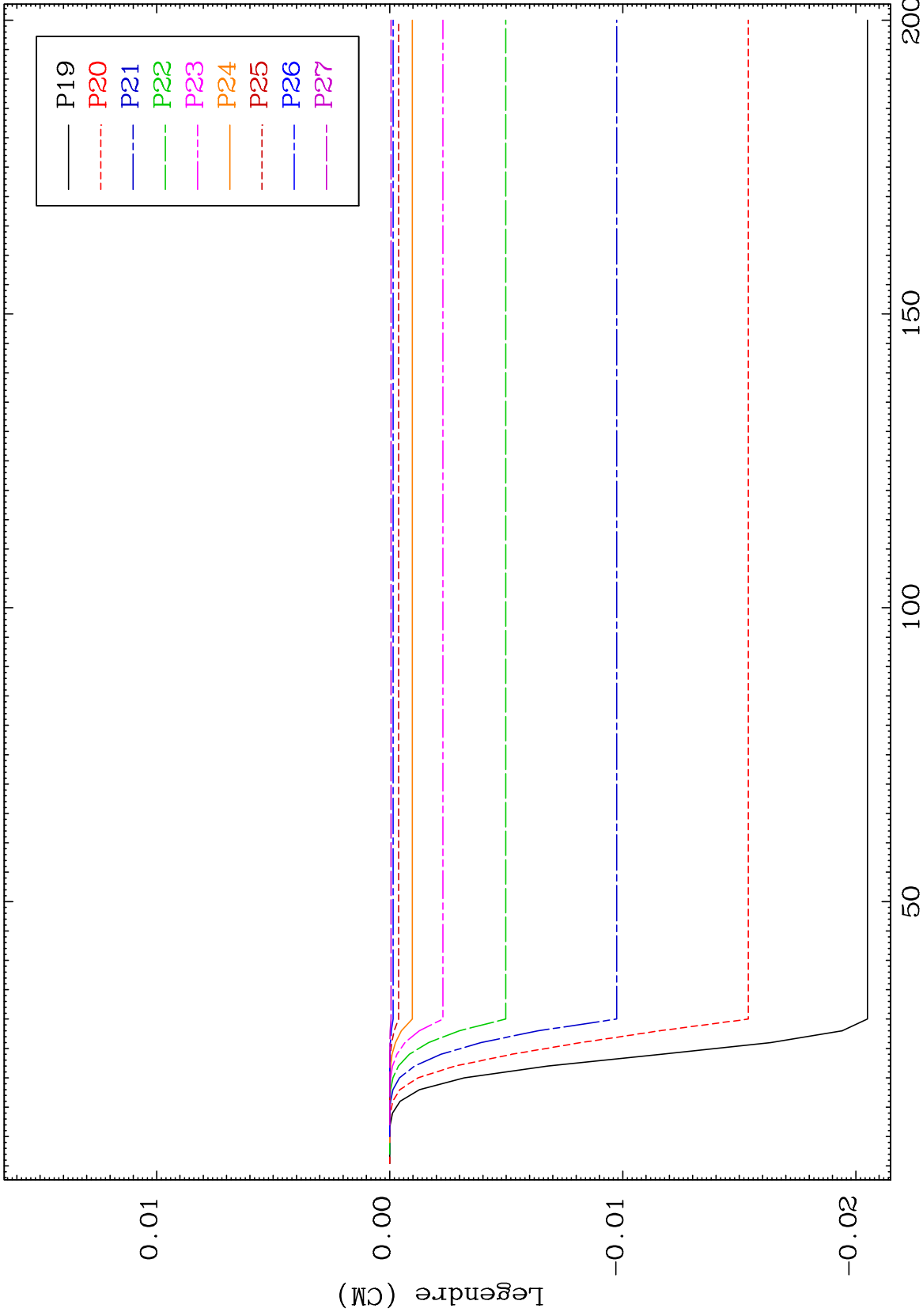
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



75

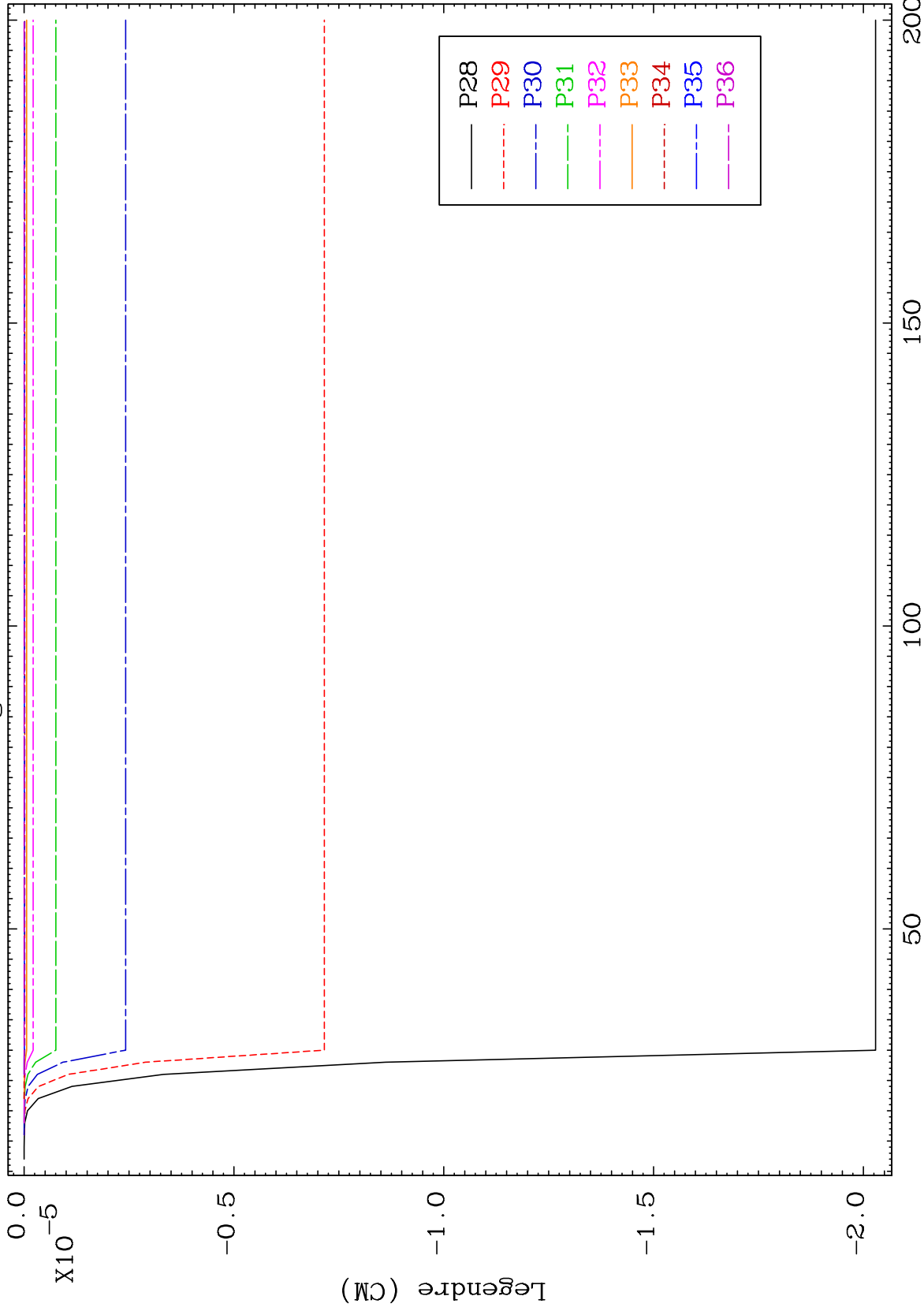
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



76

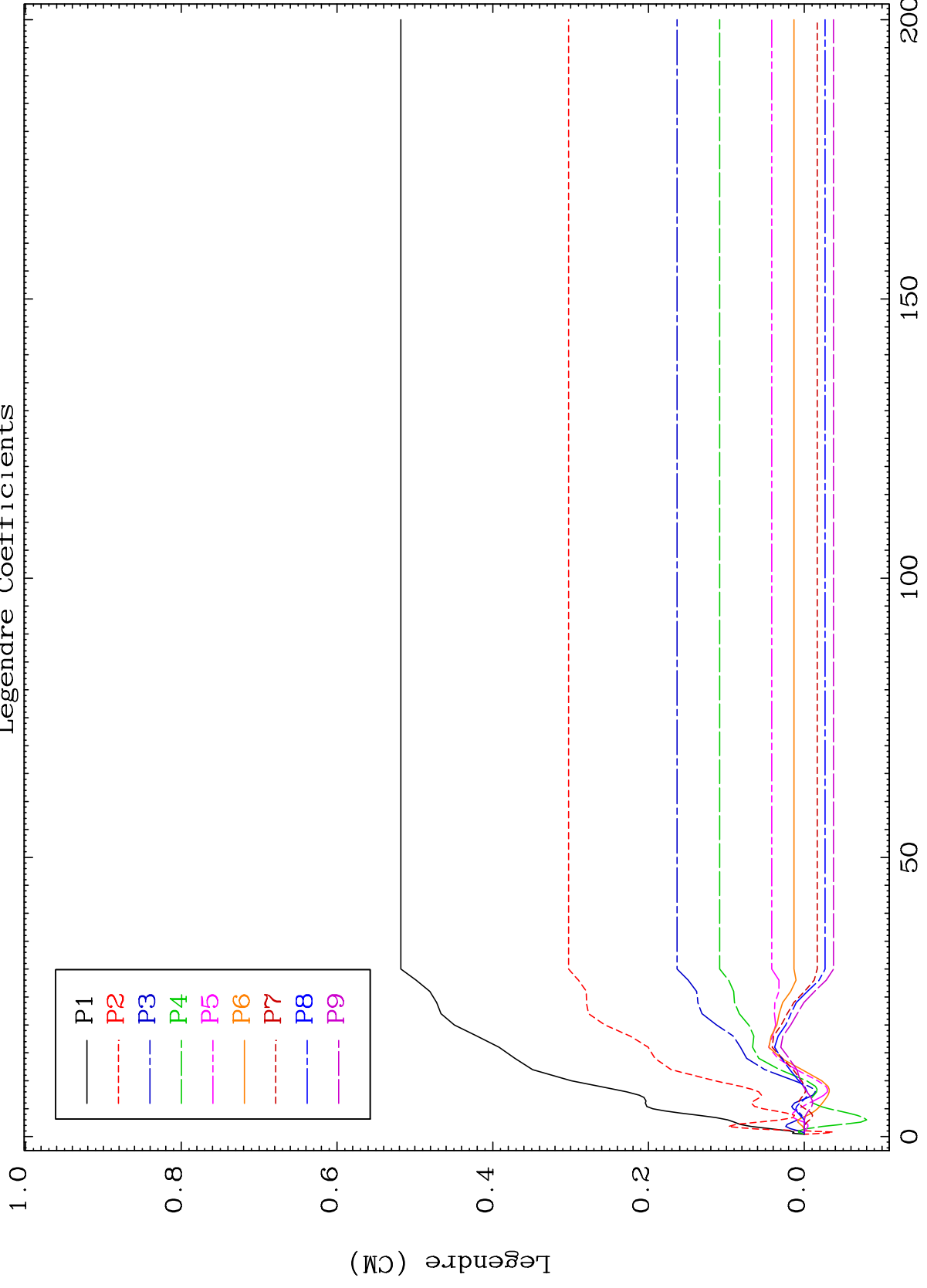
64-Gd-153

200

MAT 6428

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

64-Gd-153



64-Gd-153

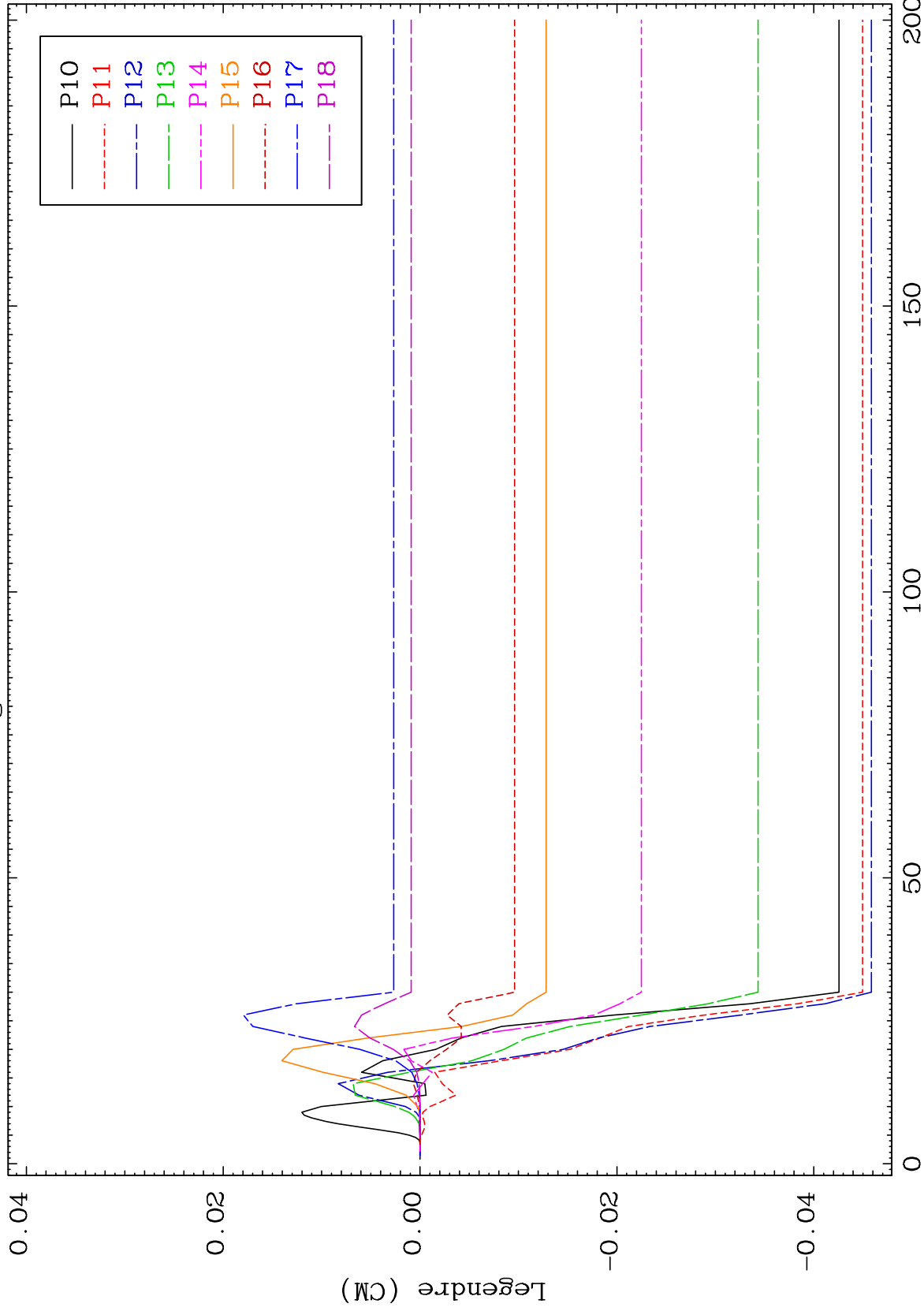
Incident Energy (MeV)

77

MAT 6428

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

64-Gd-153



78

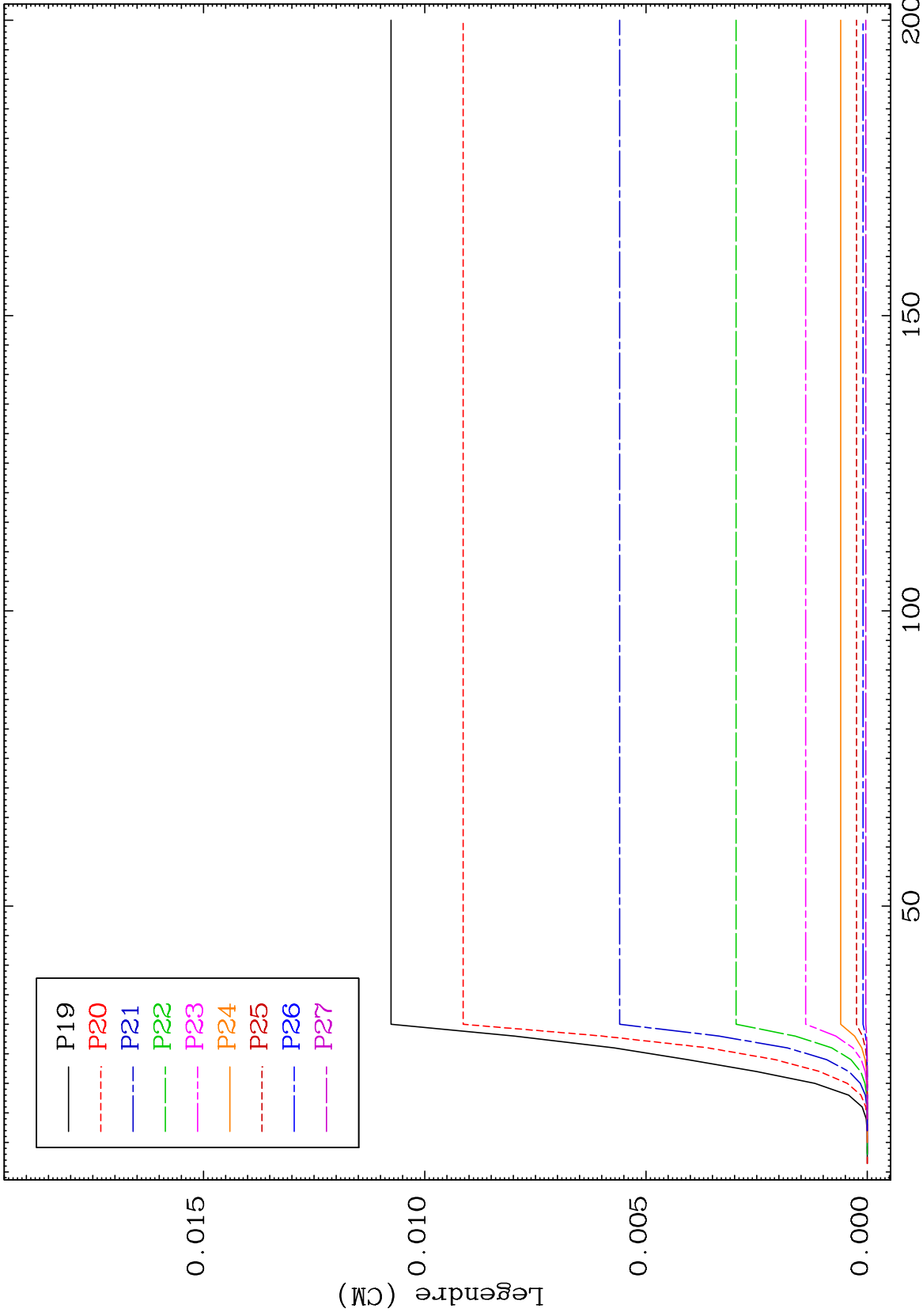
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



79

Incident Energy (MeV)

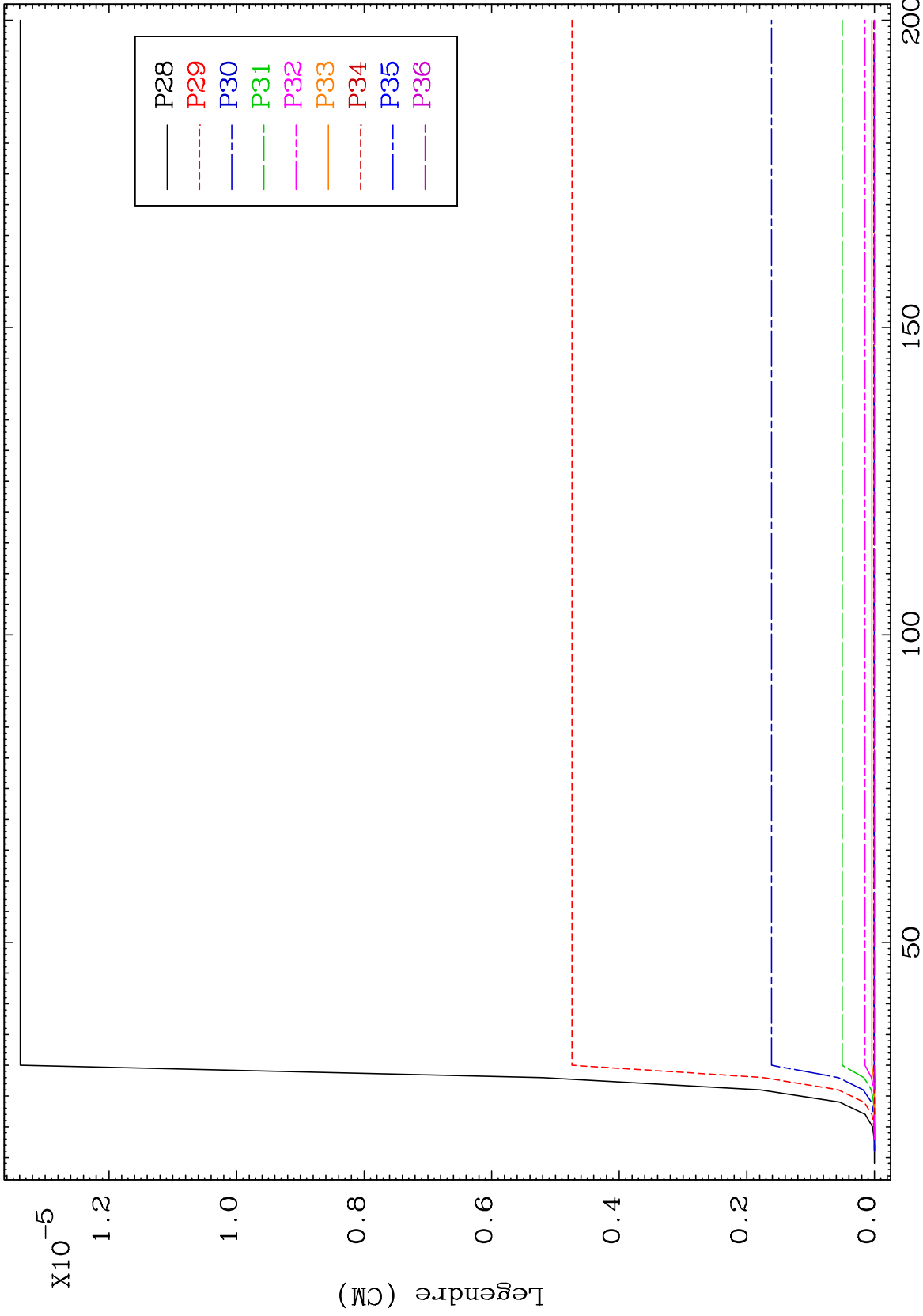
64-Gd-153



MAT 6428

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

64-Gd-153



80

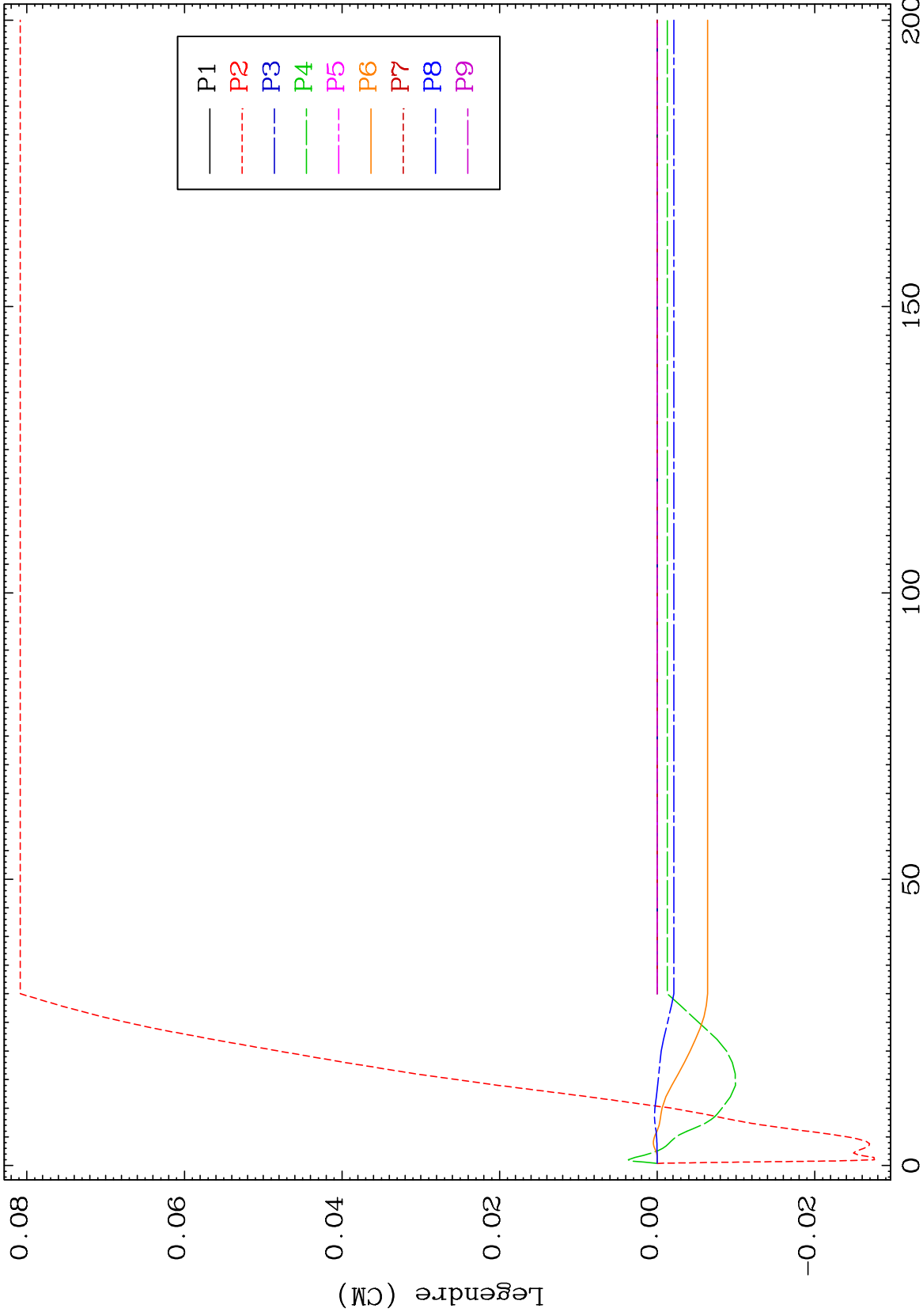
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



81

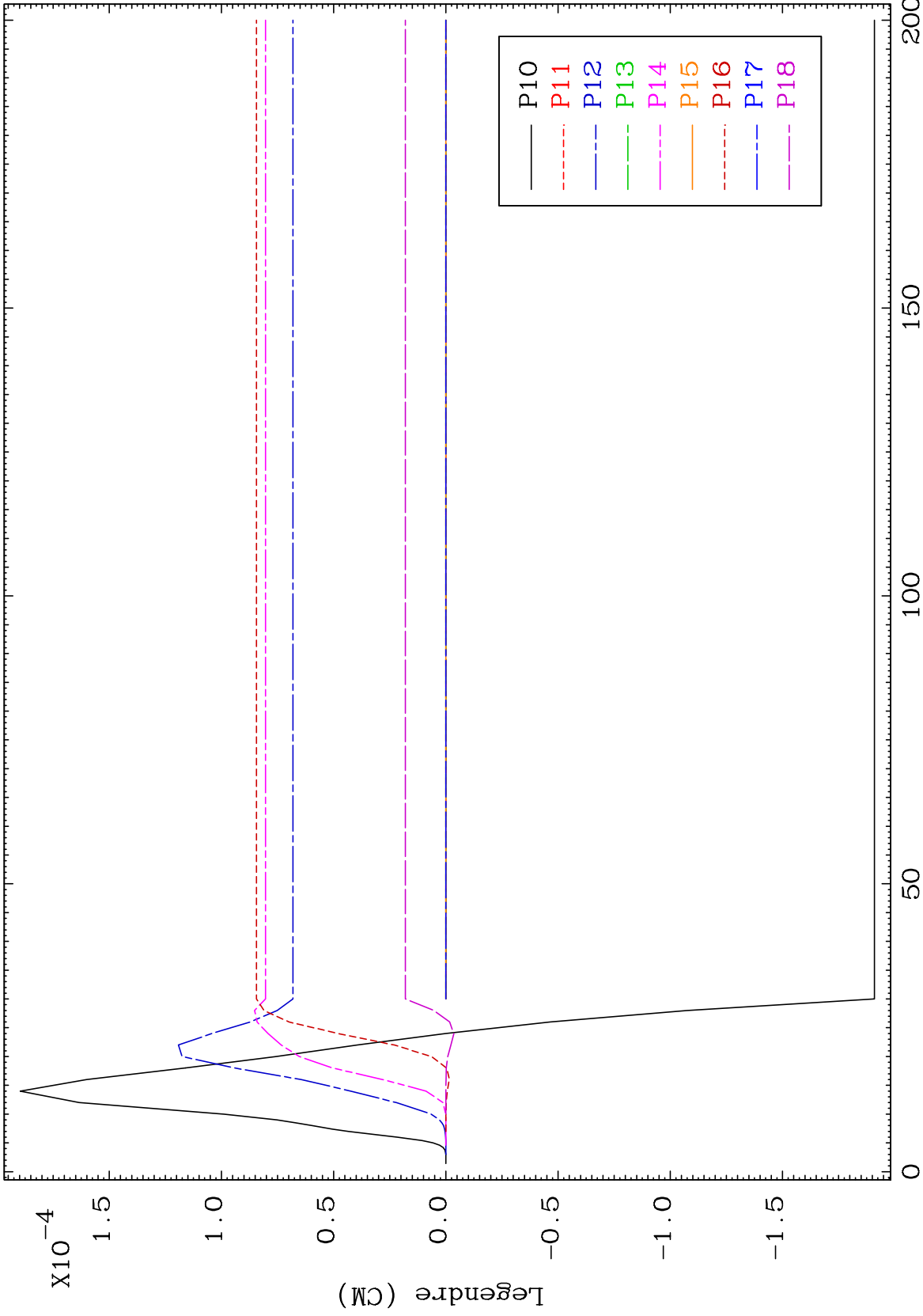
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



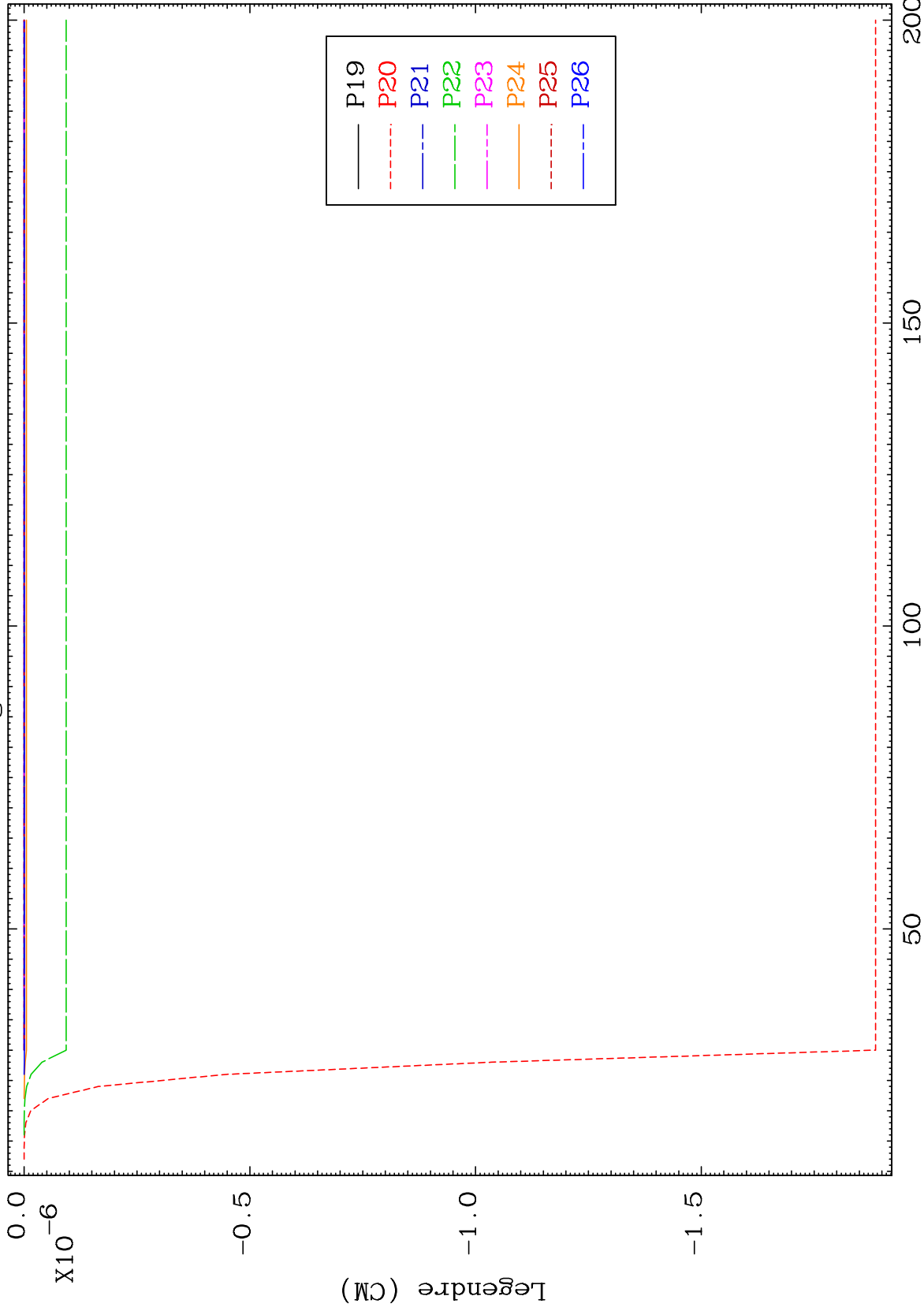
82

64-Gd-153

MAT 6428

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

64-Gd-153

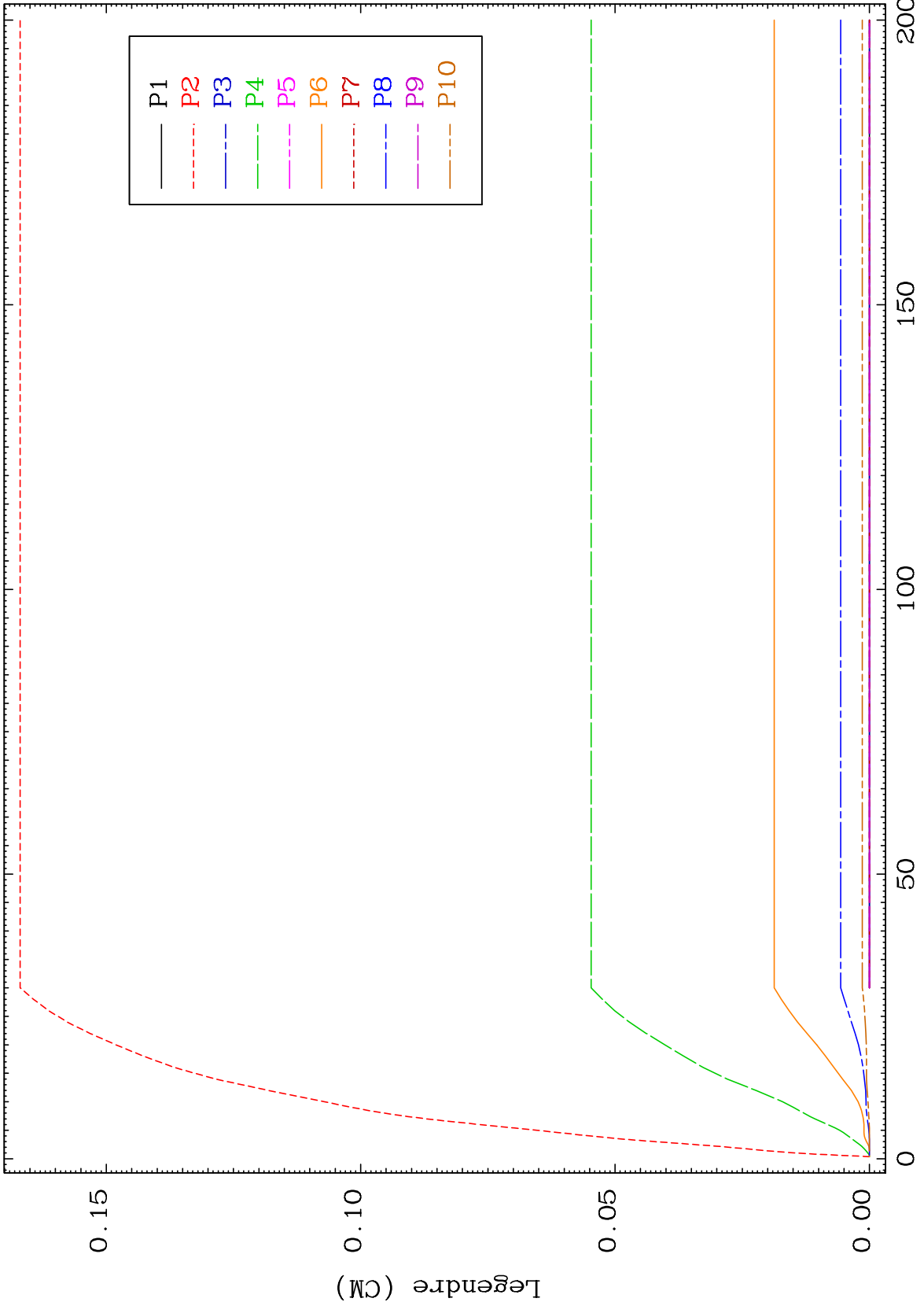


83

Incident Energy (MeV)

64-Gd-153

MAT 6428 MT= 71 (n,n') Level Legendre Coefficients 64-Gd-153

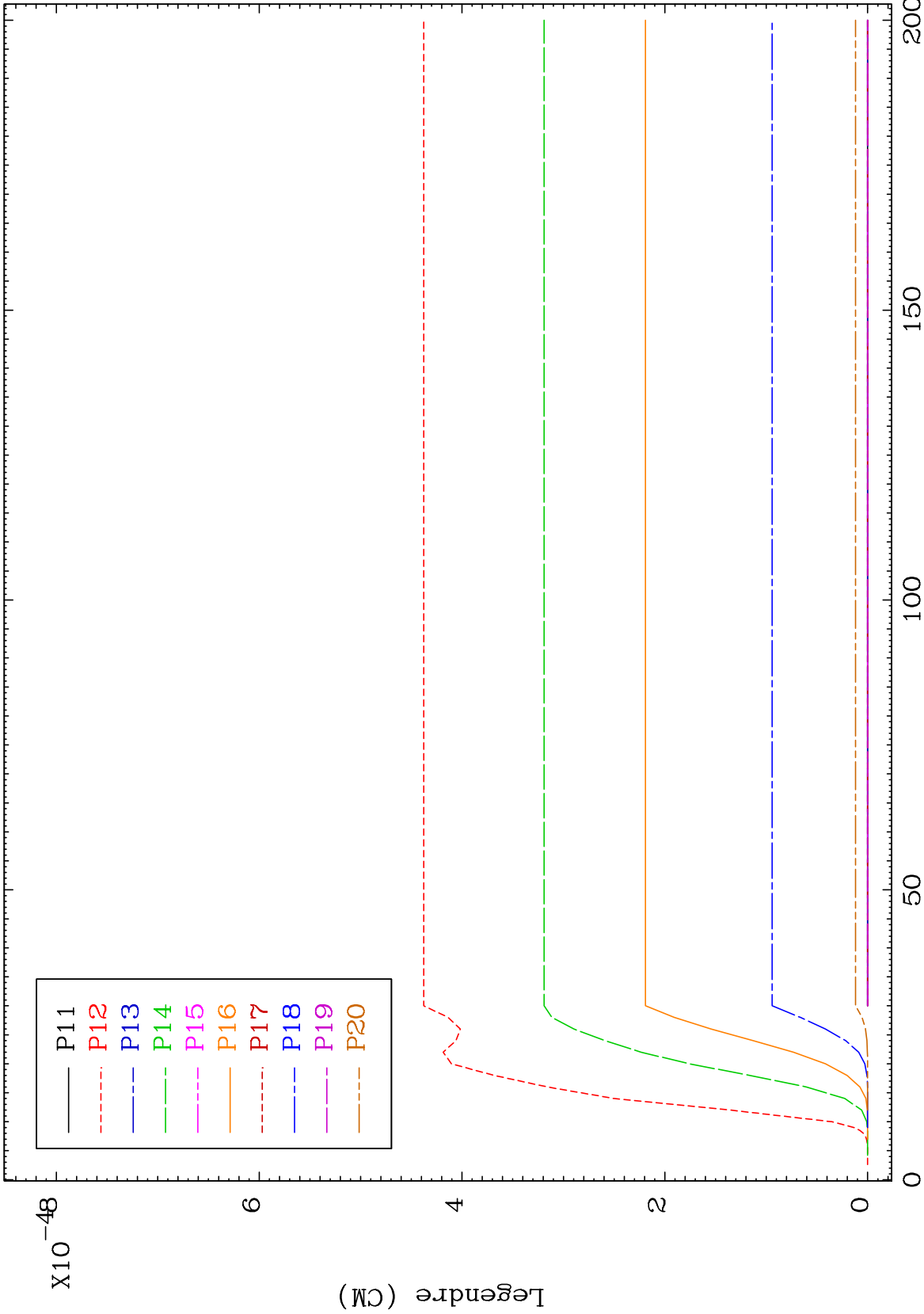


84 64-Gd-153

MAT 6428

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

64-Gd-153



85

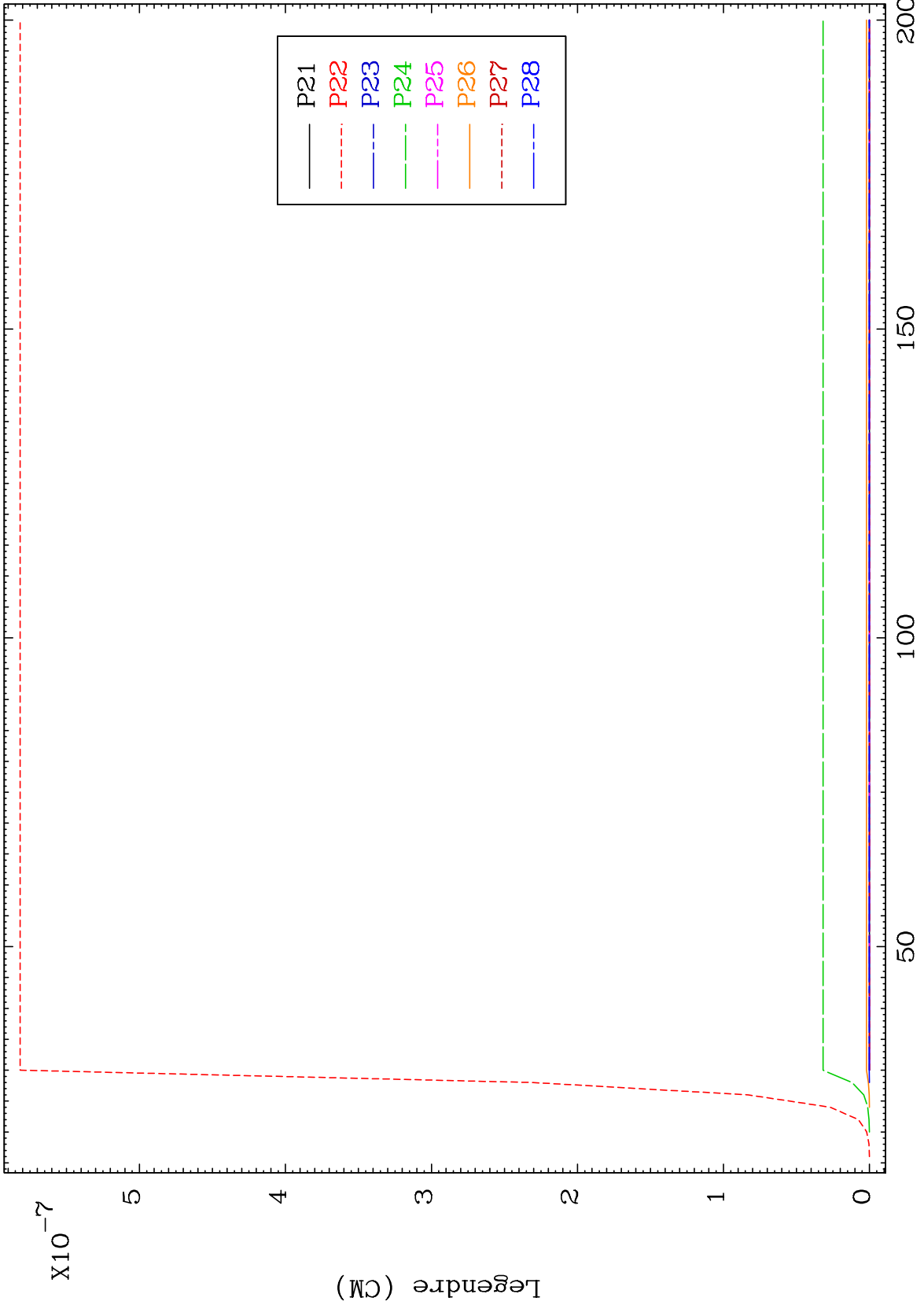
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



86

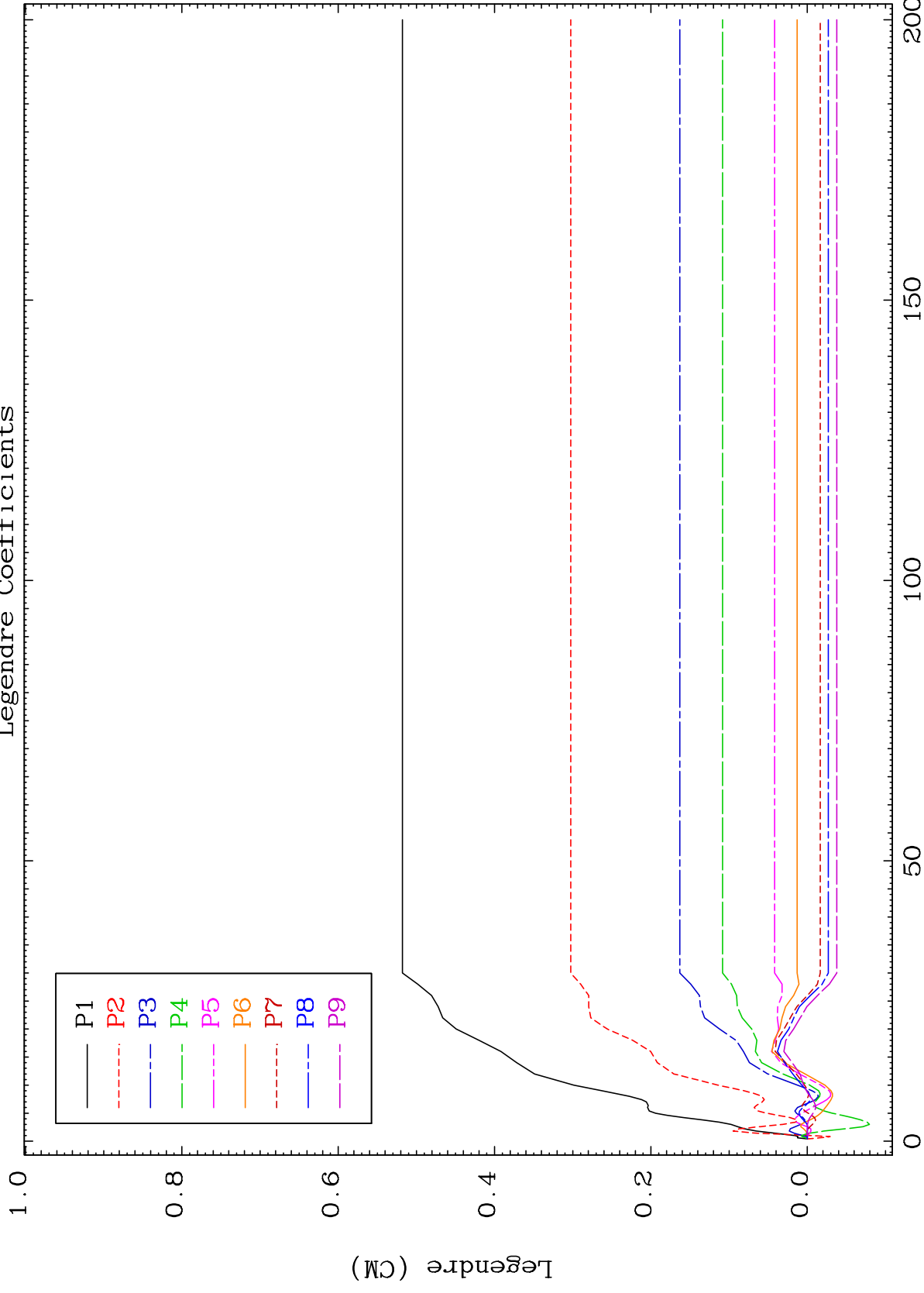
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

Incident Energy (MeV)

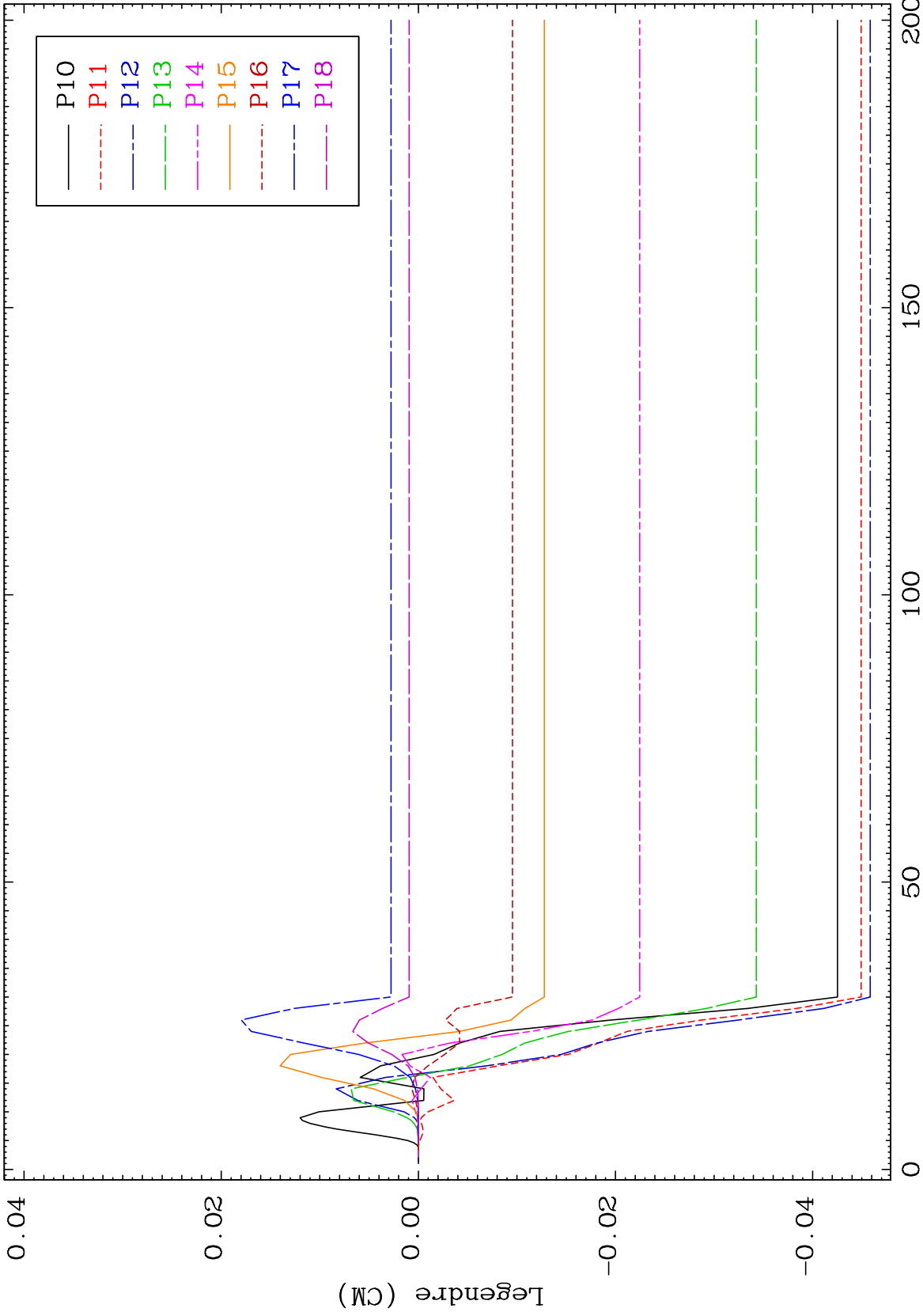
87



MAT 6428

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

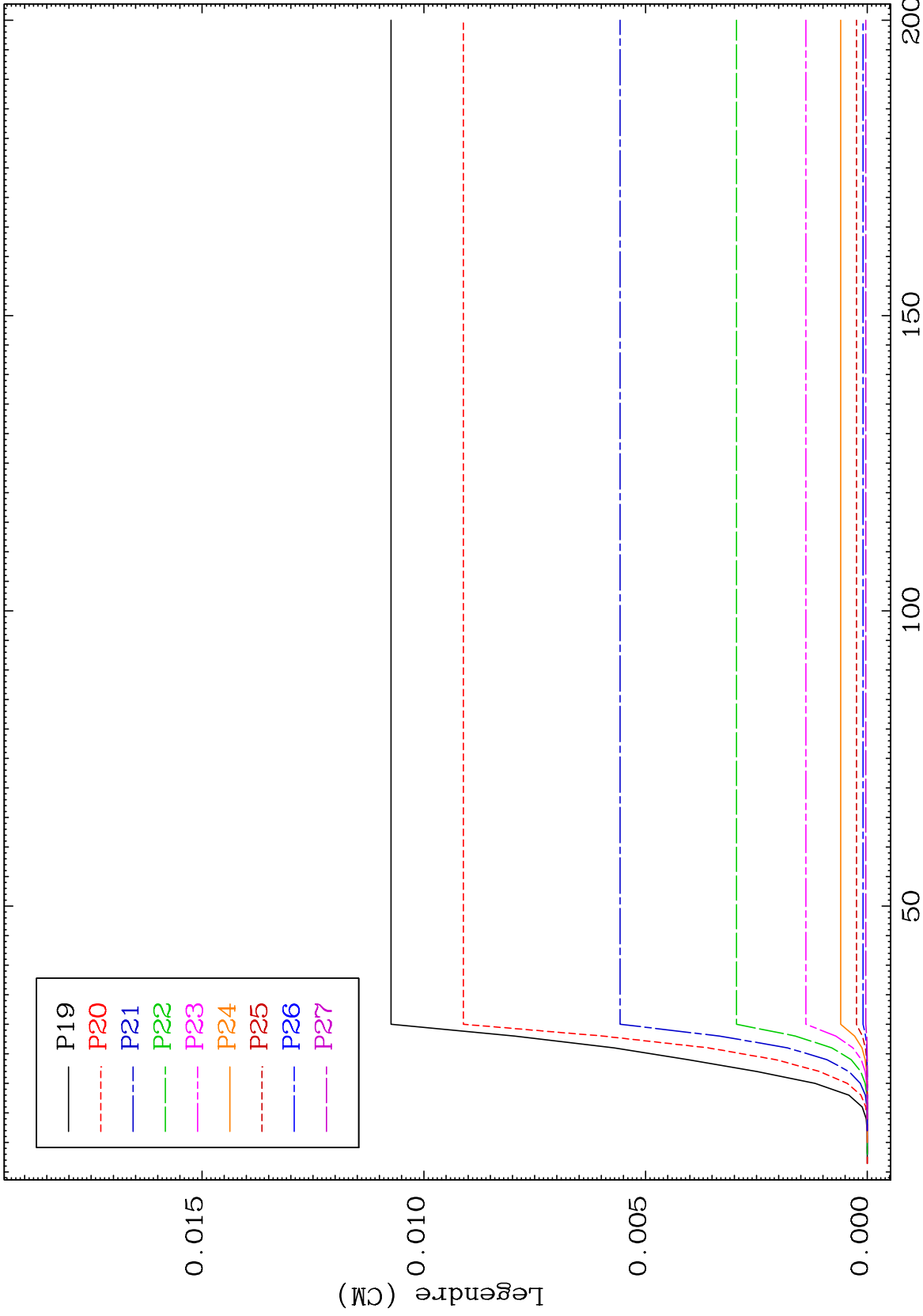
64-Gd-153



88

Incident Energy (MeV)

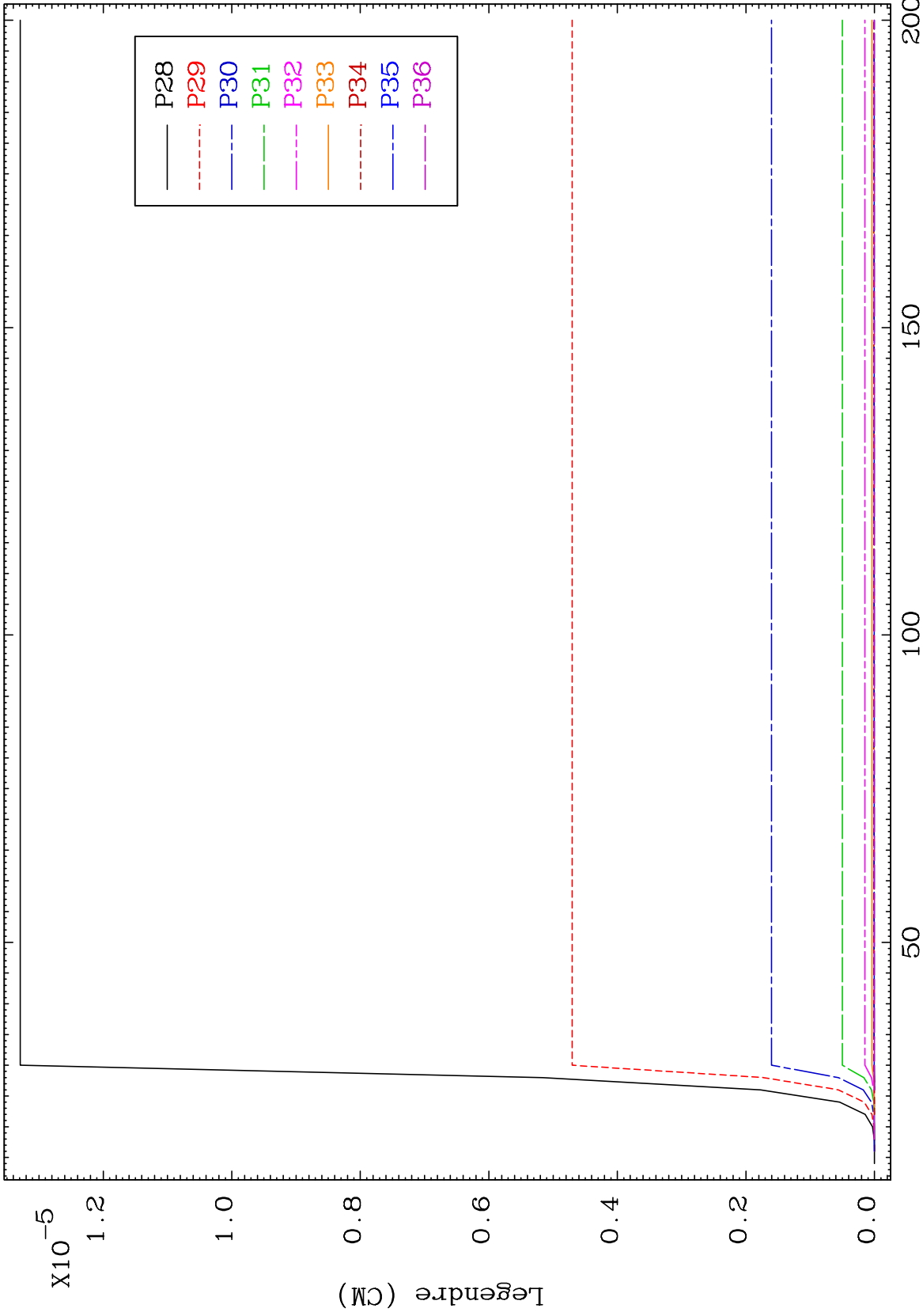
64-Gd-153



MAT 6428

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

64-Gd-153



90

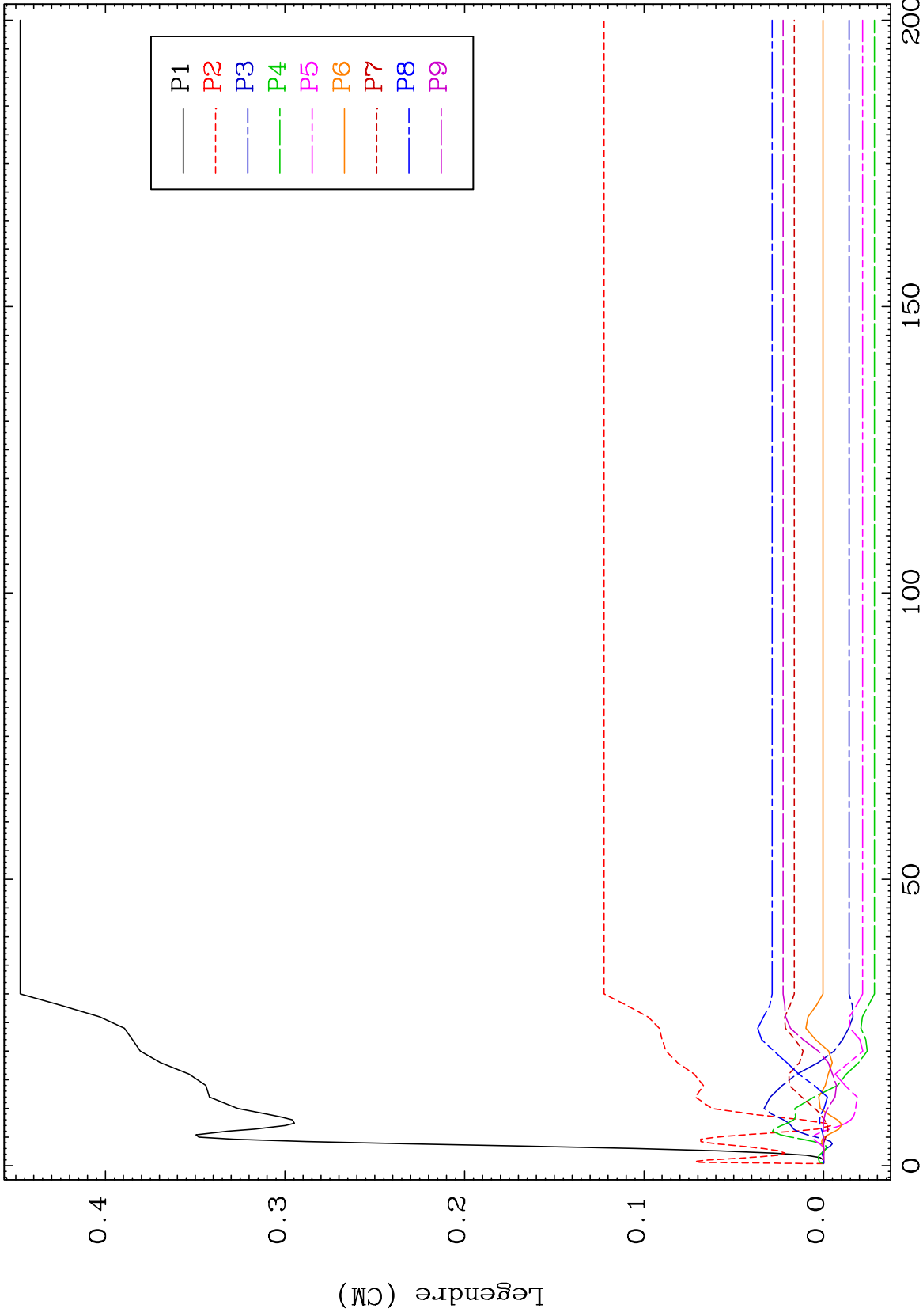
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



91

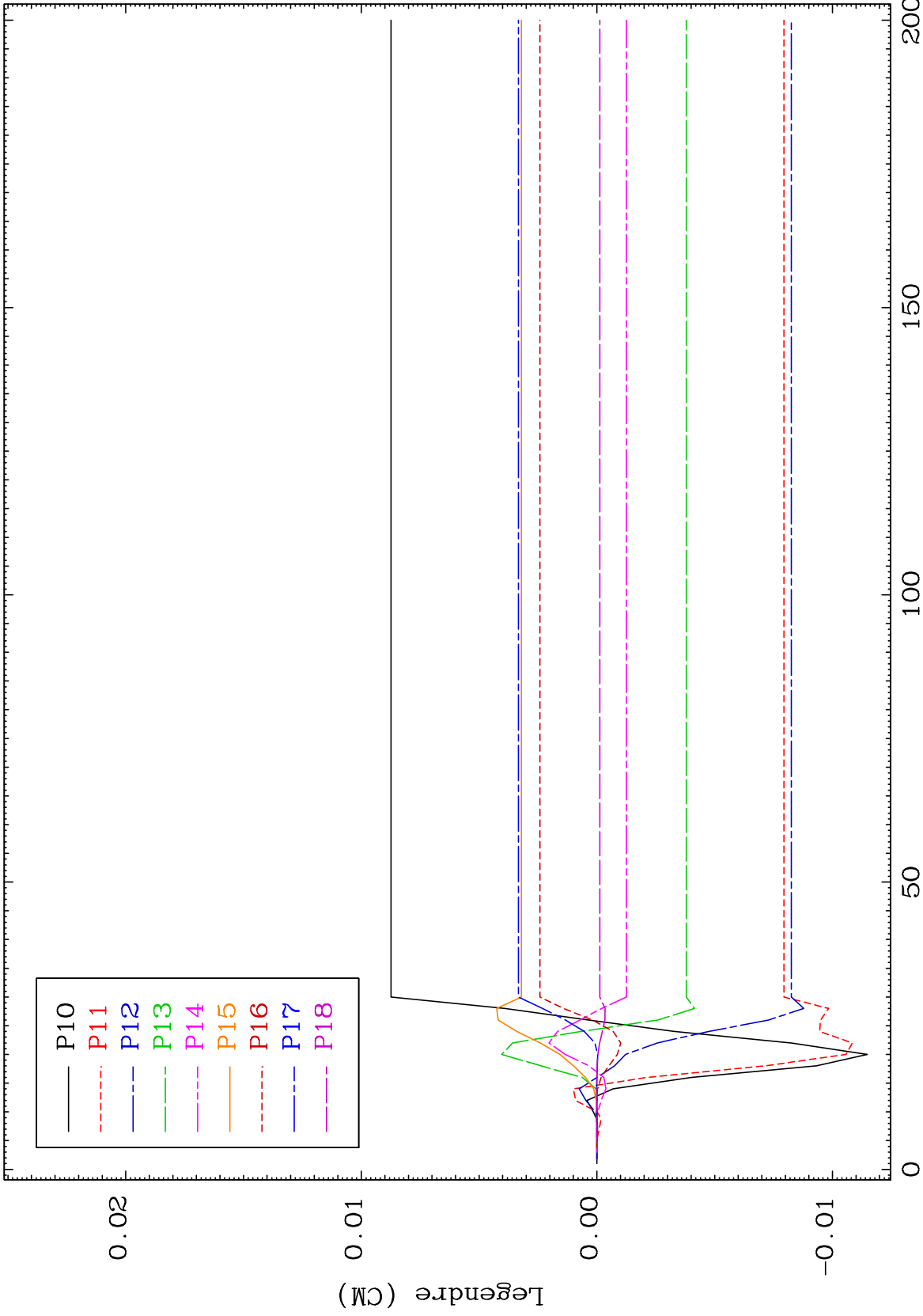
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



92

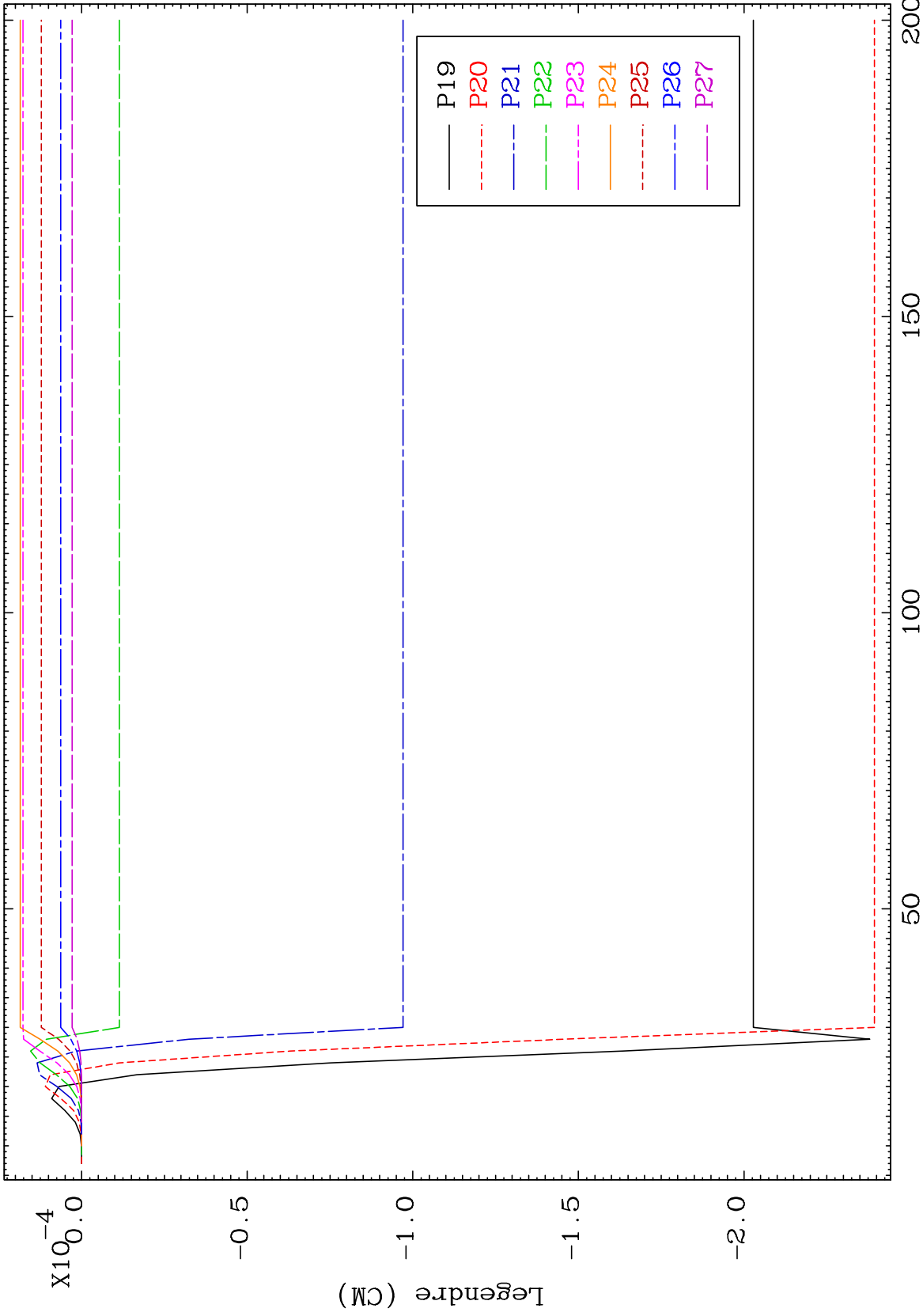
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



93

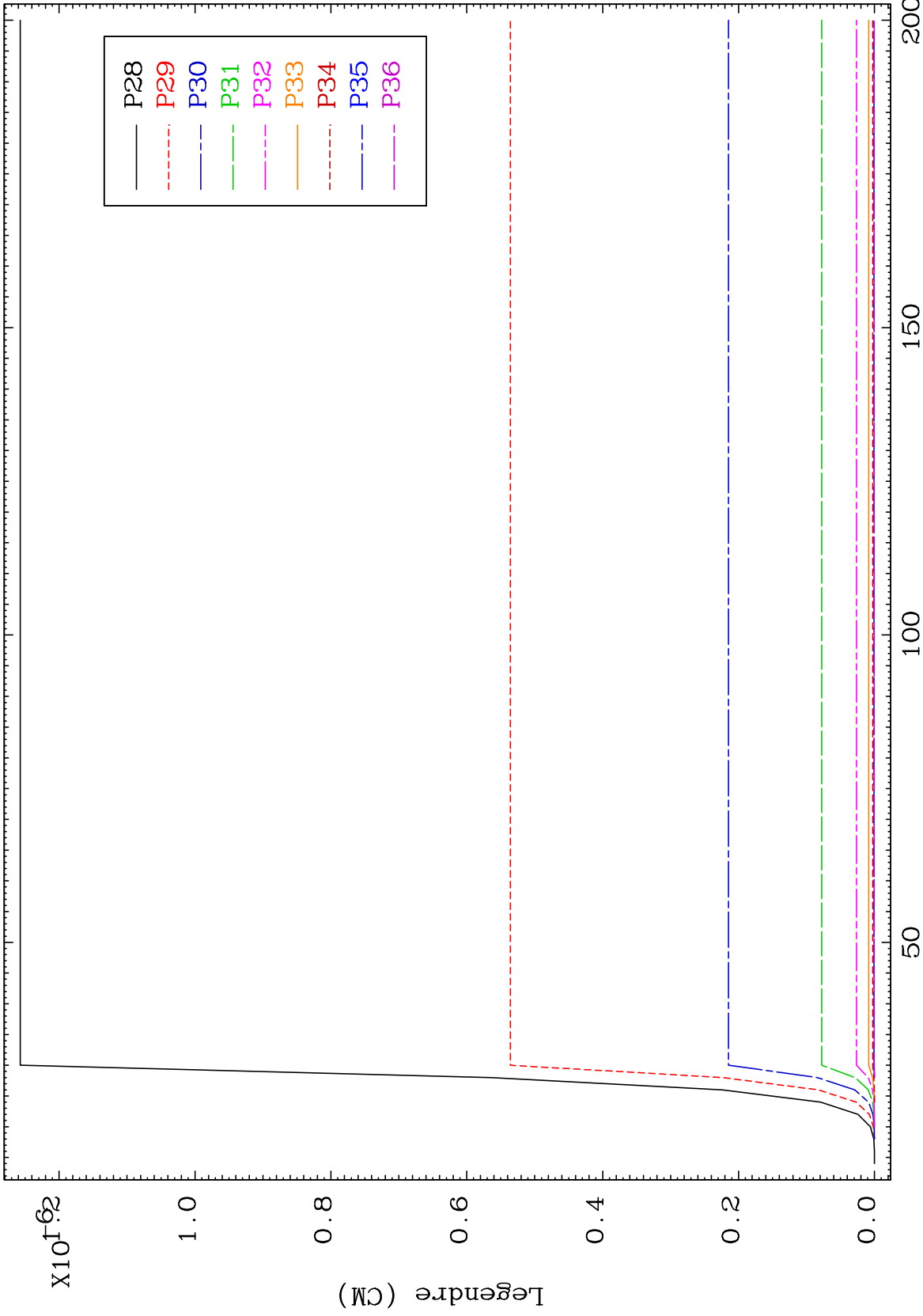
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



94

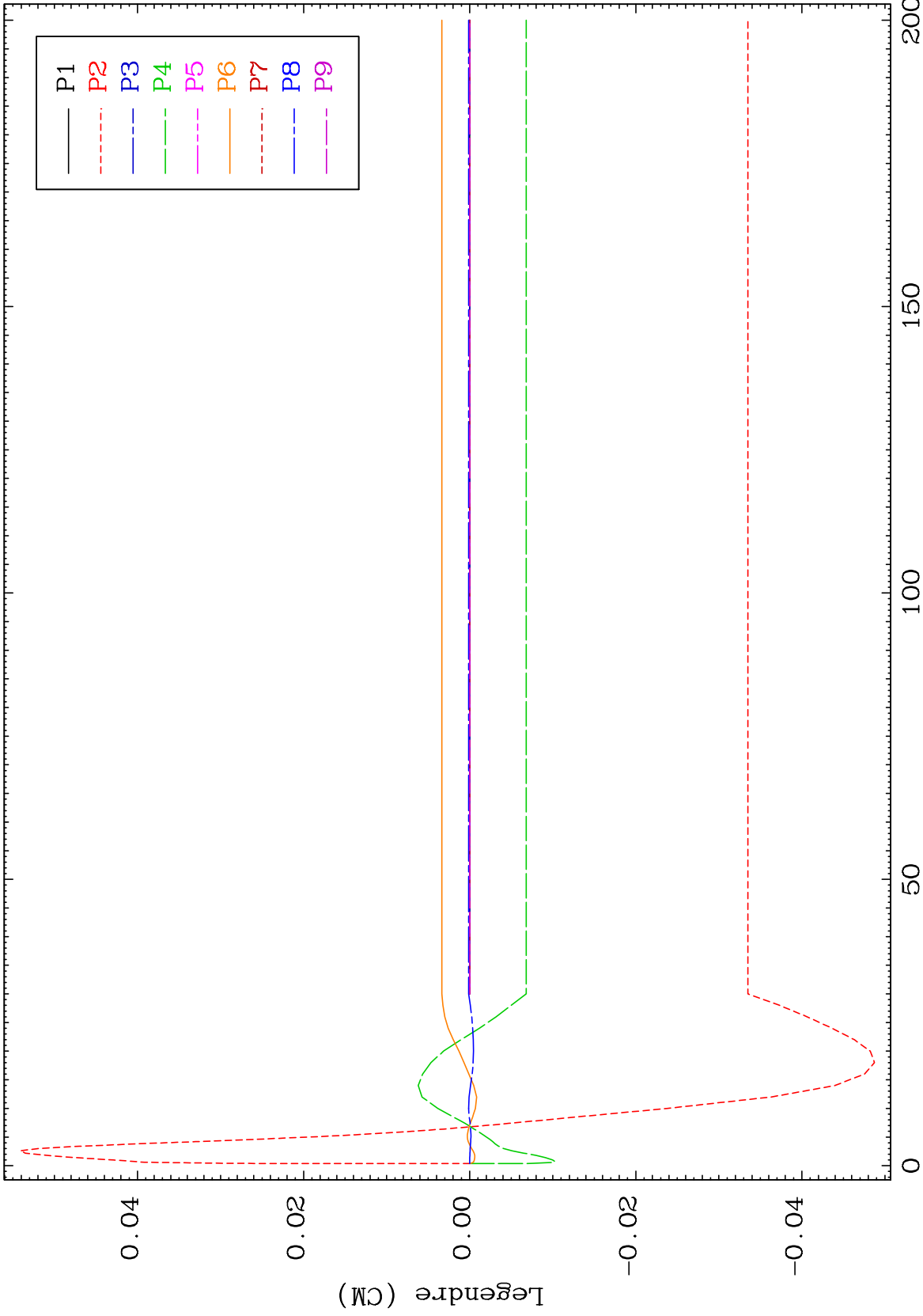
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



95

Incident Energy (MeV)

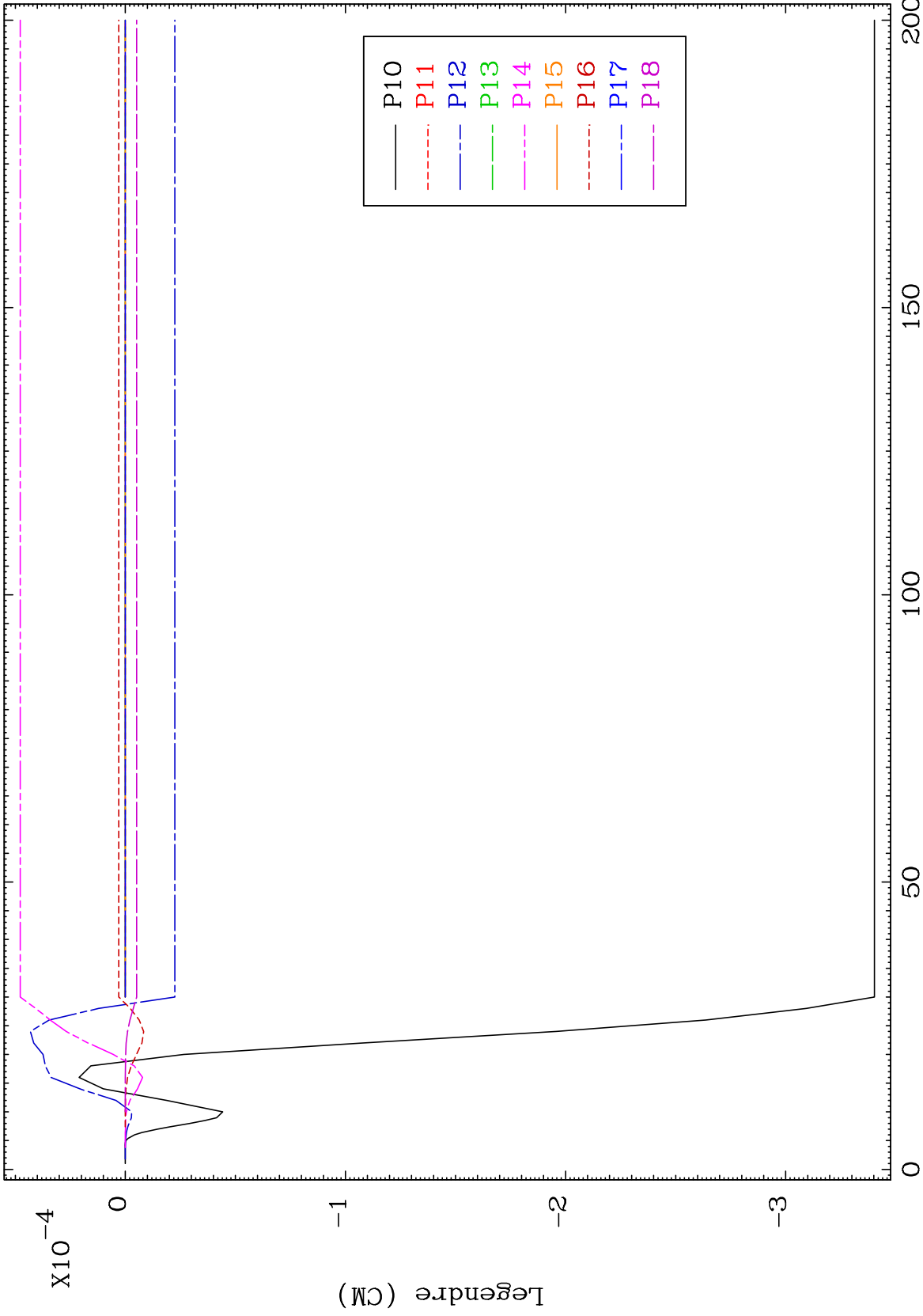
64-Gd-153



MAT 6428

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

64-Gd-153



96

Incident Energy (MeV)

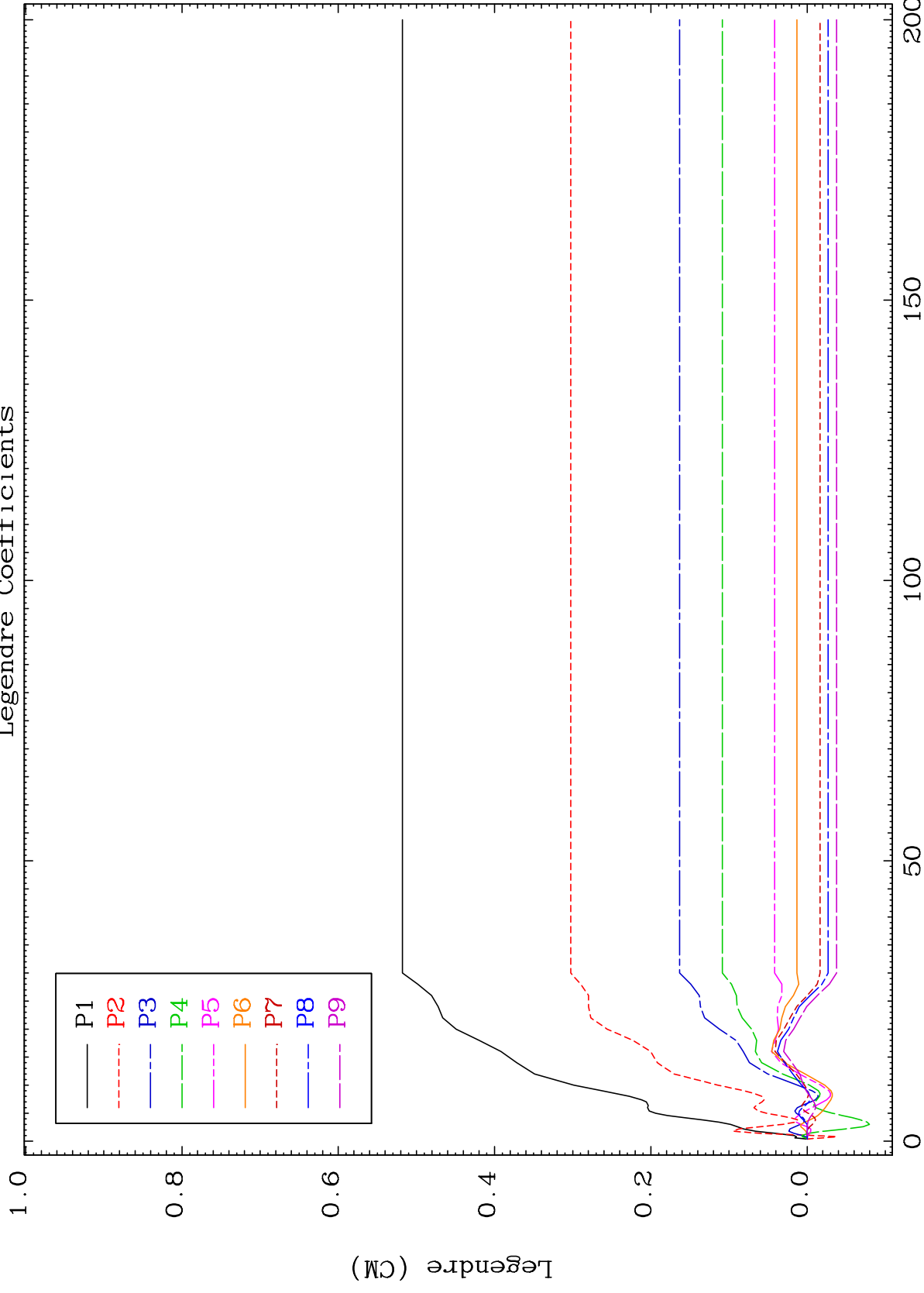
64-Gd-153



MAT 6428

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

64-Gd-153

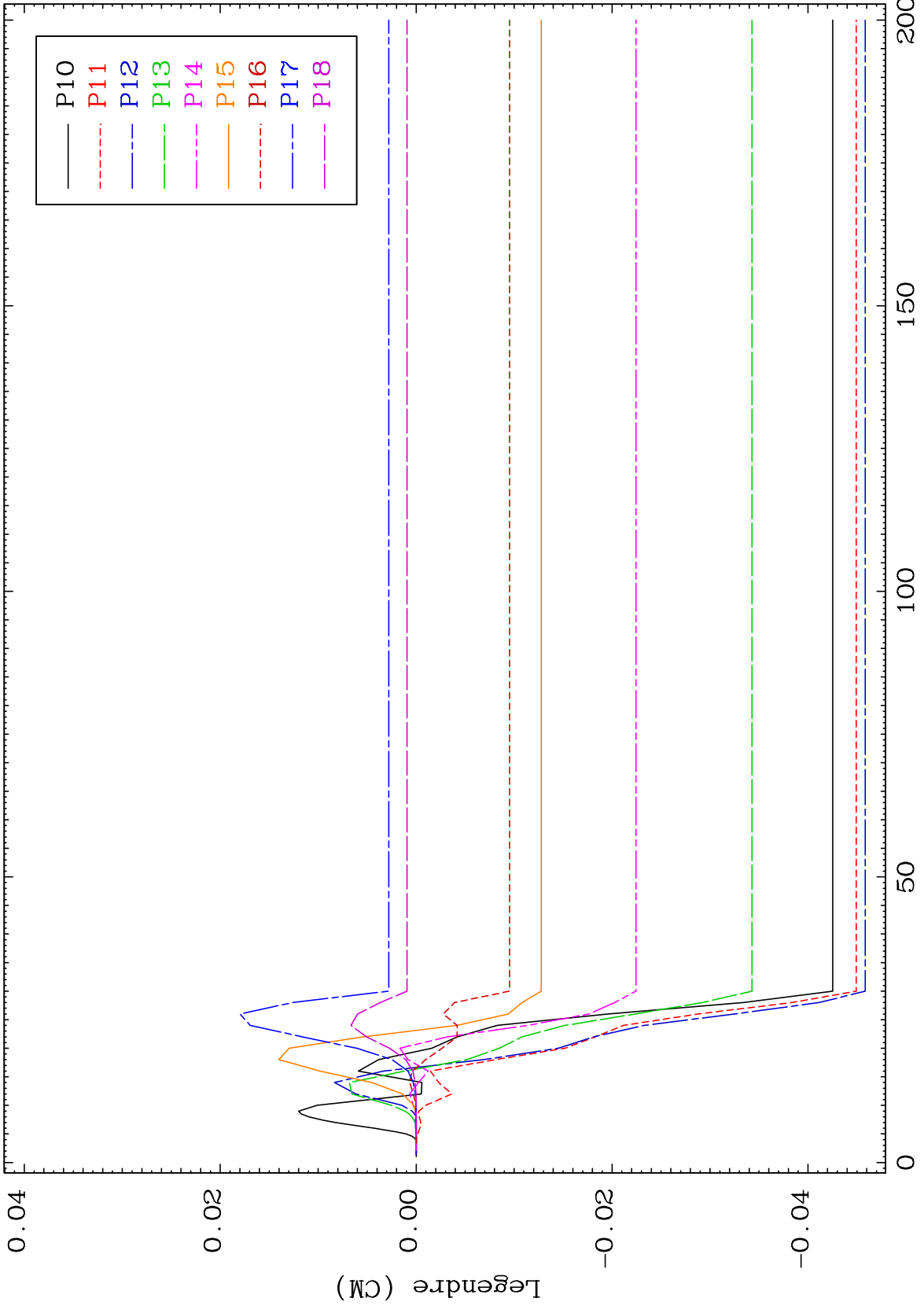


98

MAT 6428

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

64-Gd-153



99

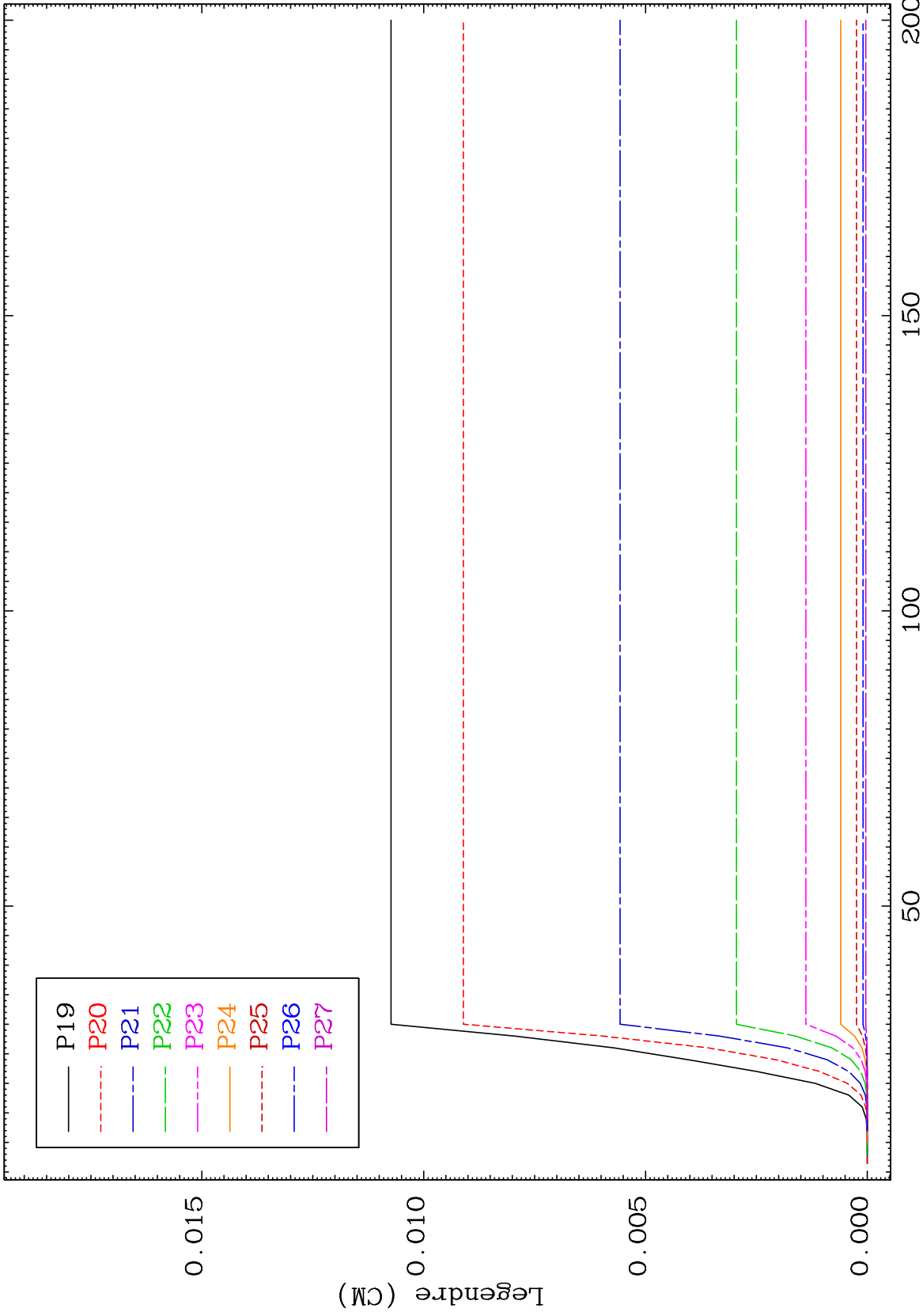
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



100

50

100

150

200

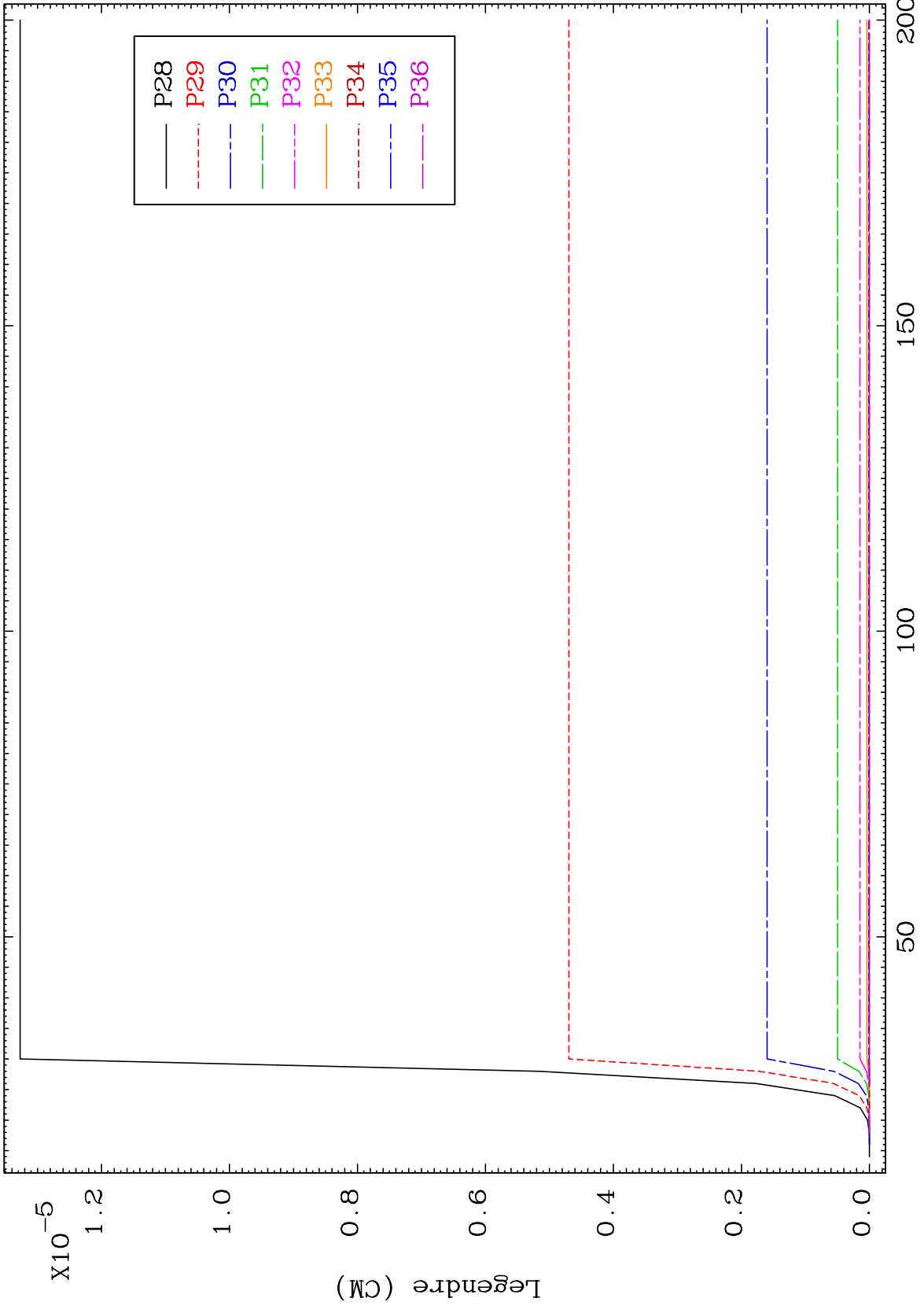
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



101

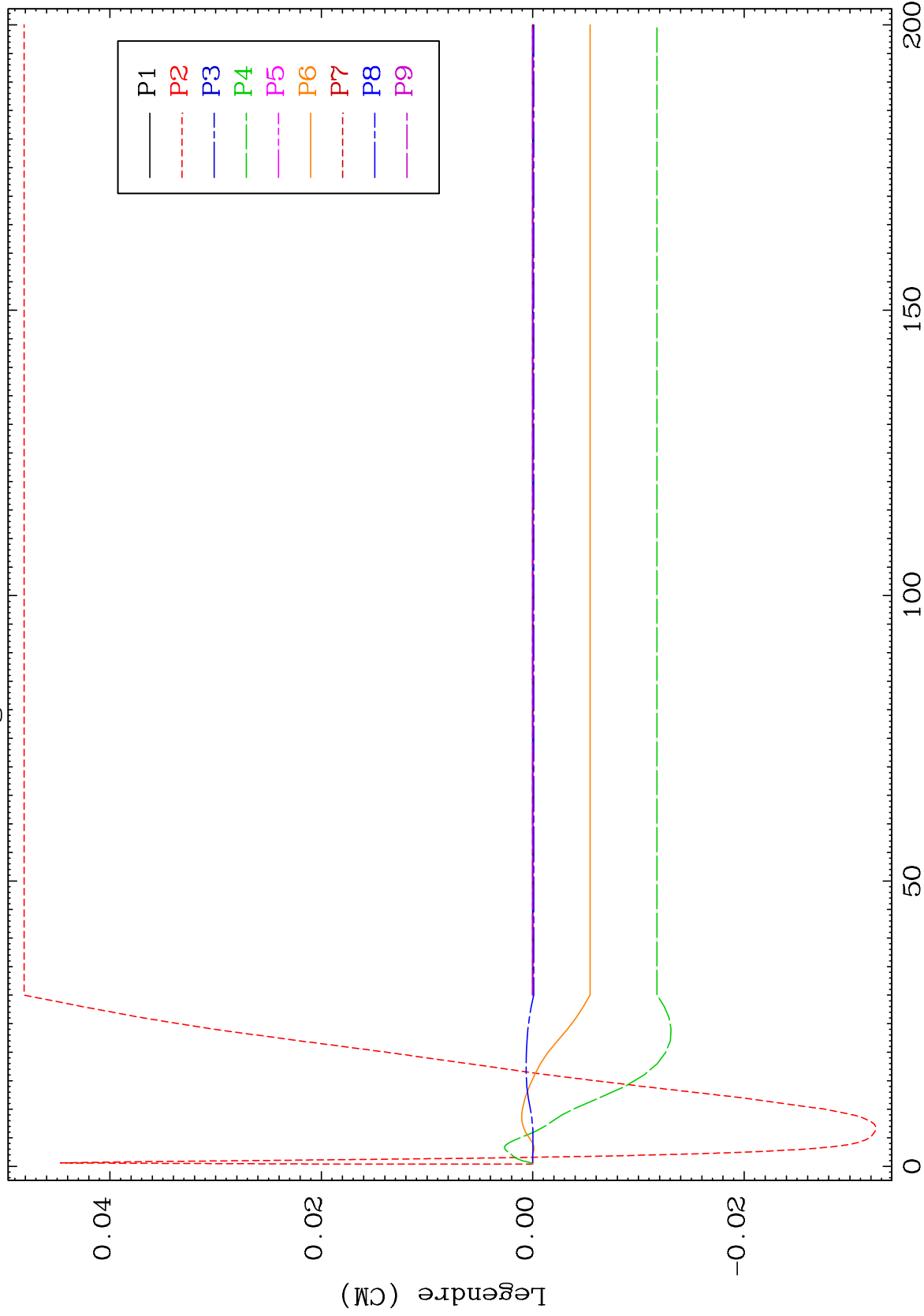
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



102

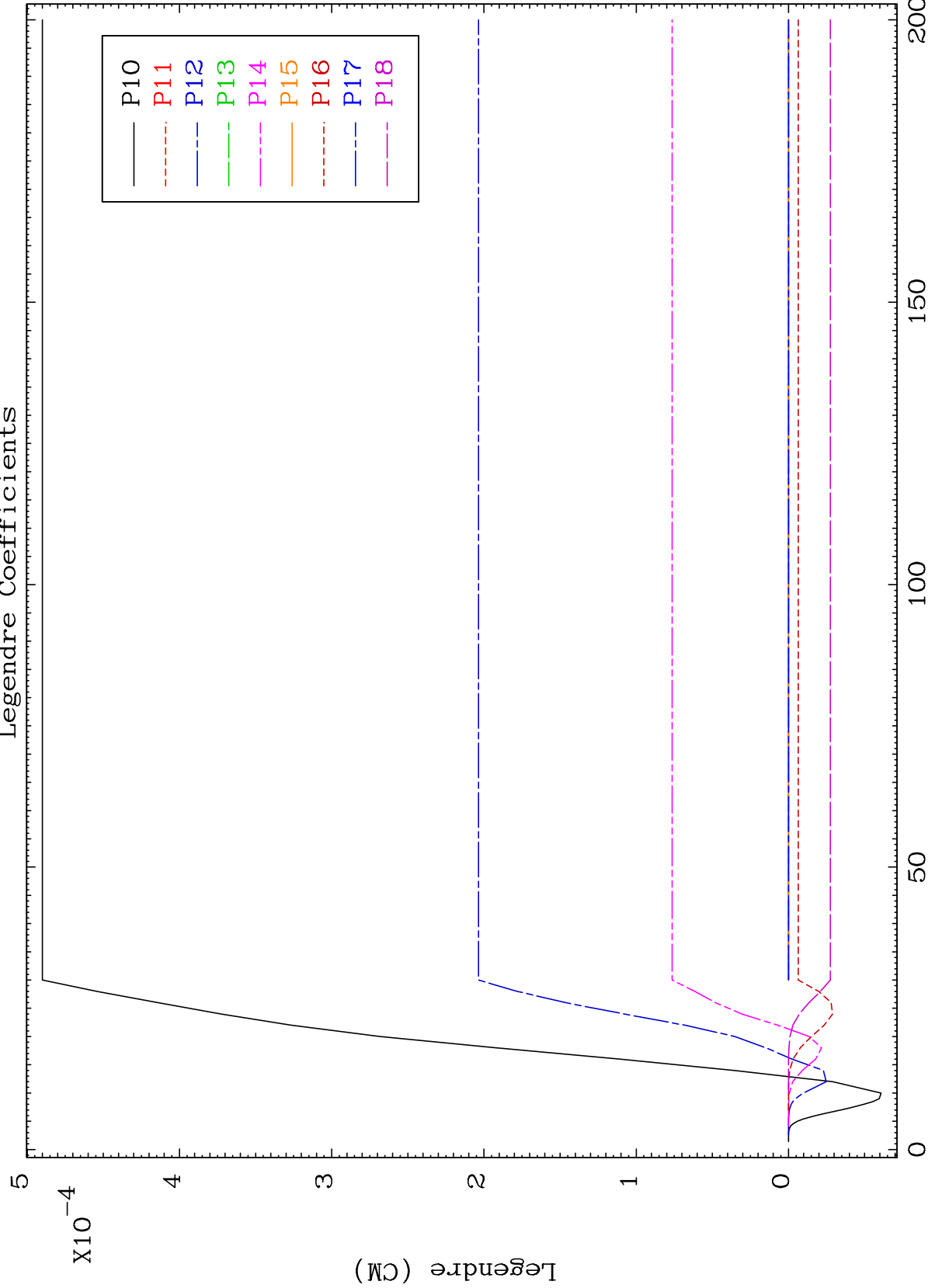
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

Incident Energy (MeV)

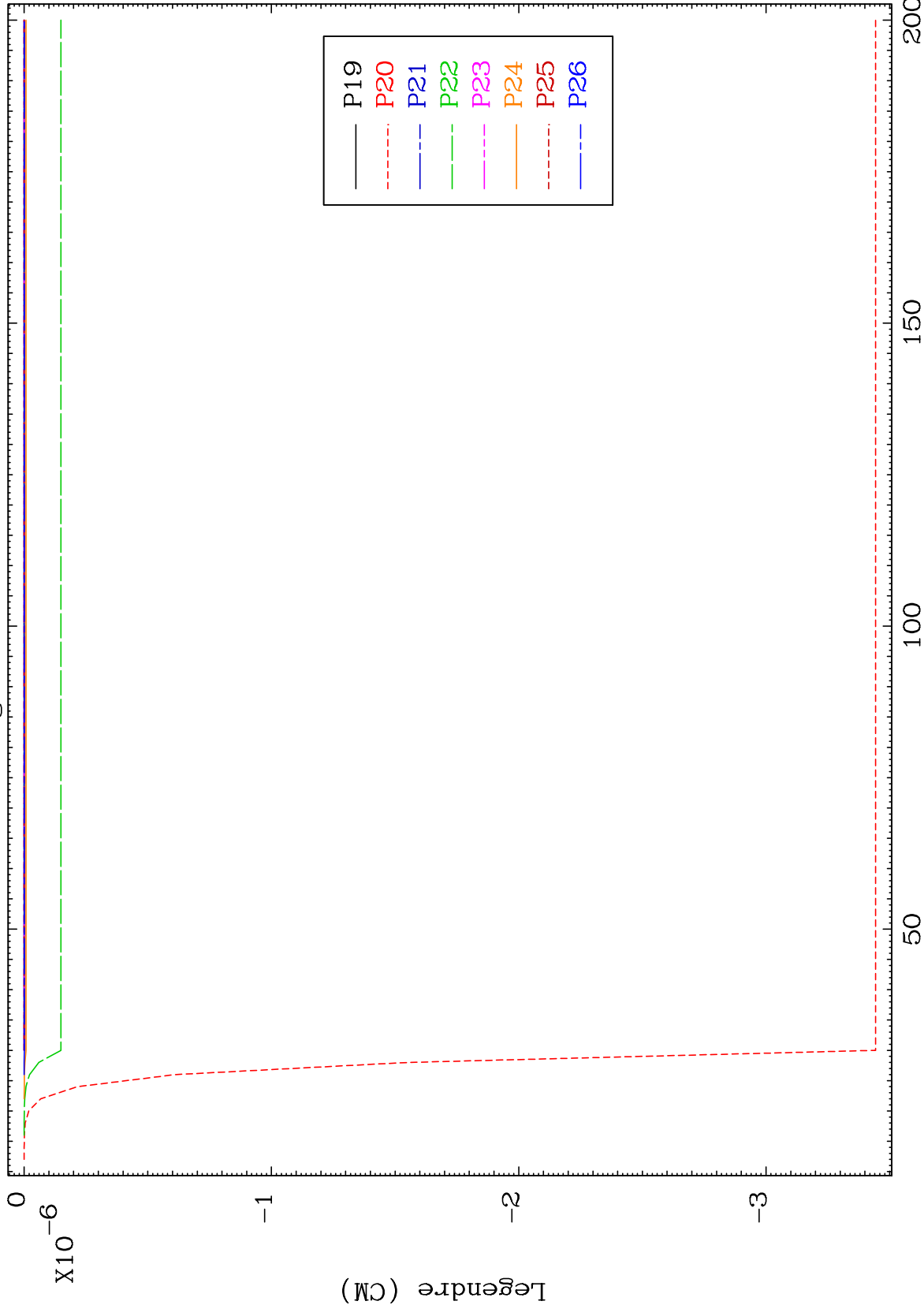
103



MAT 6428

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

64-Gd-153



64-Gd-153

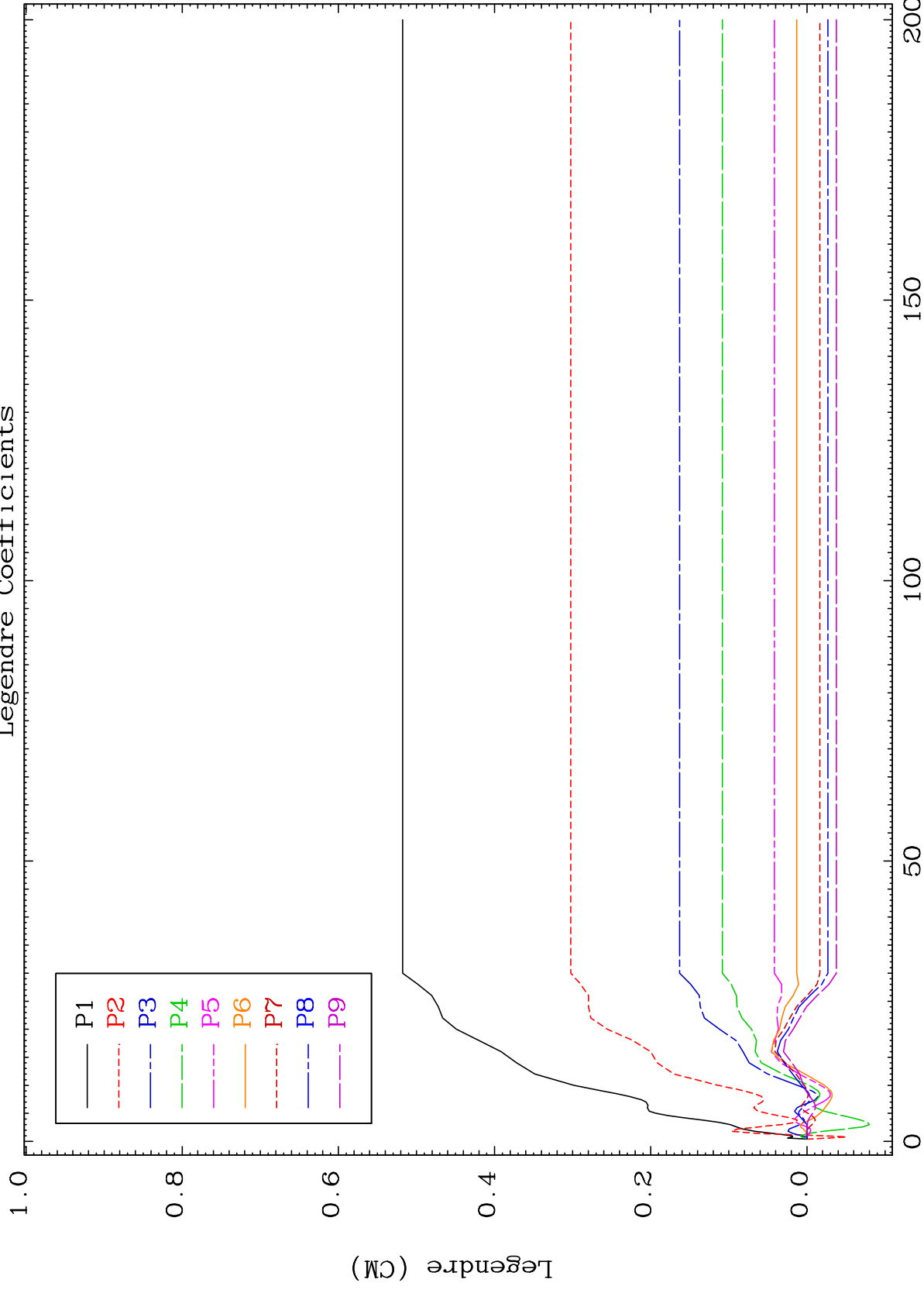
Incident Energy (MeV)

104

MAT 6428

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

64-Gd-153



64-Gd-153

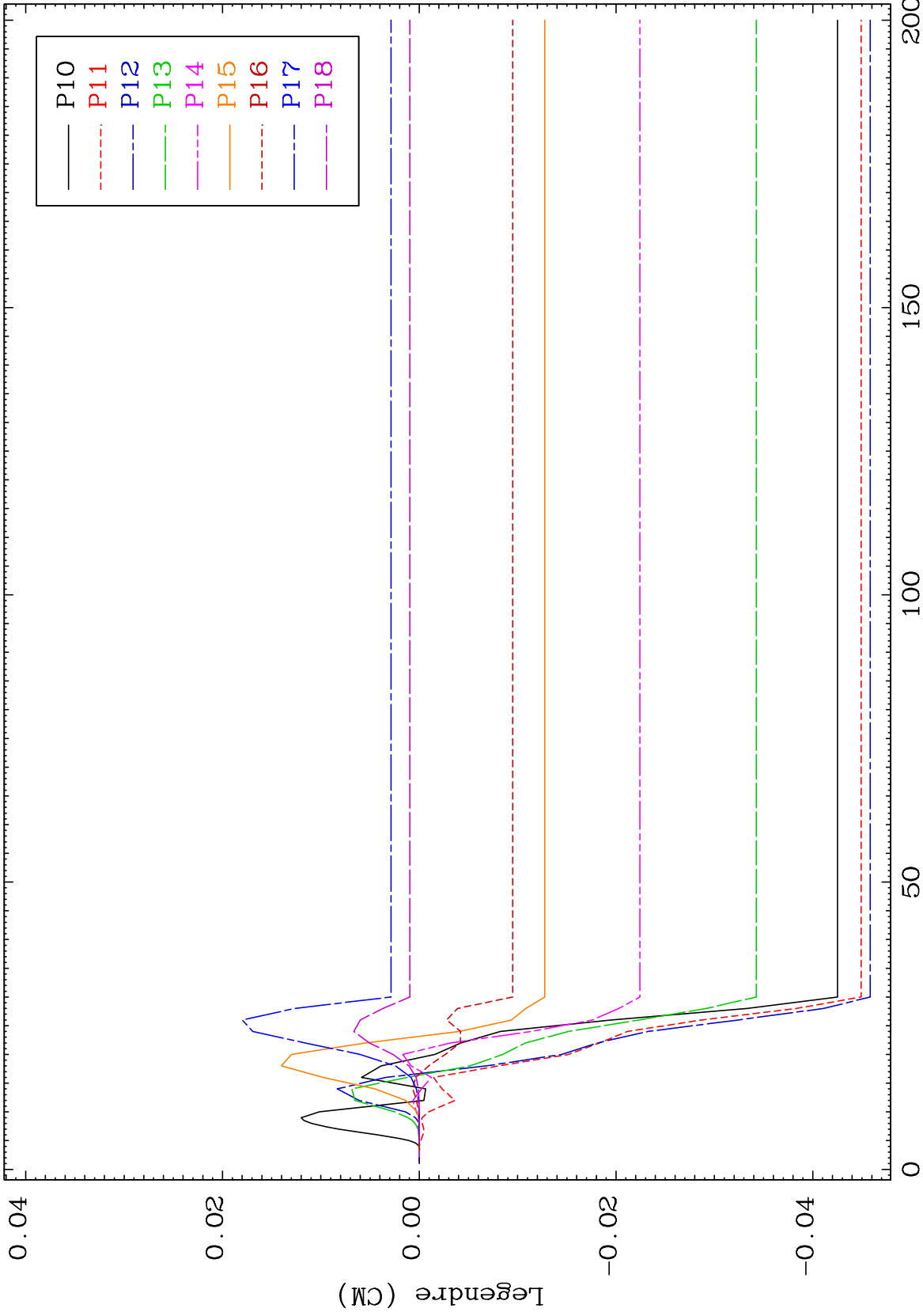
Incident Energy (MeV)

105

MAT 6428

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

64-Gd-153



106

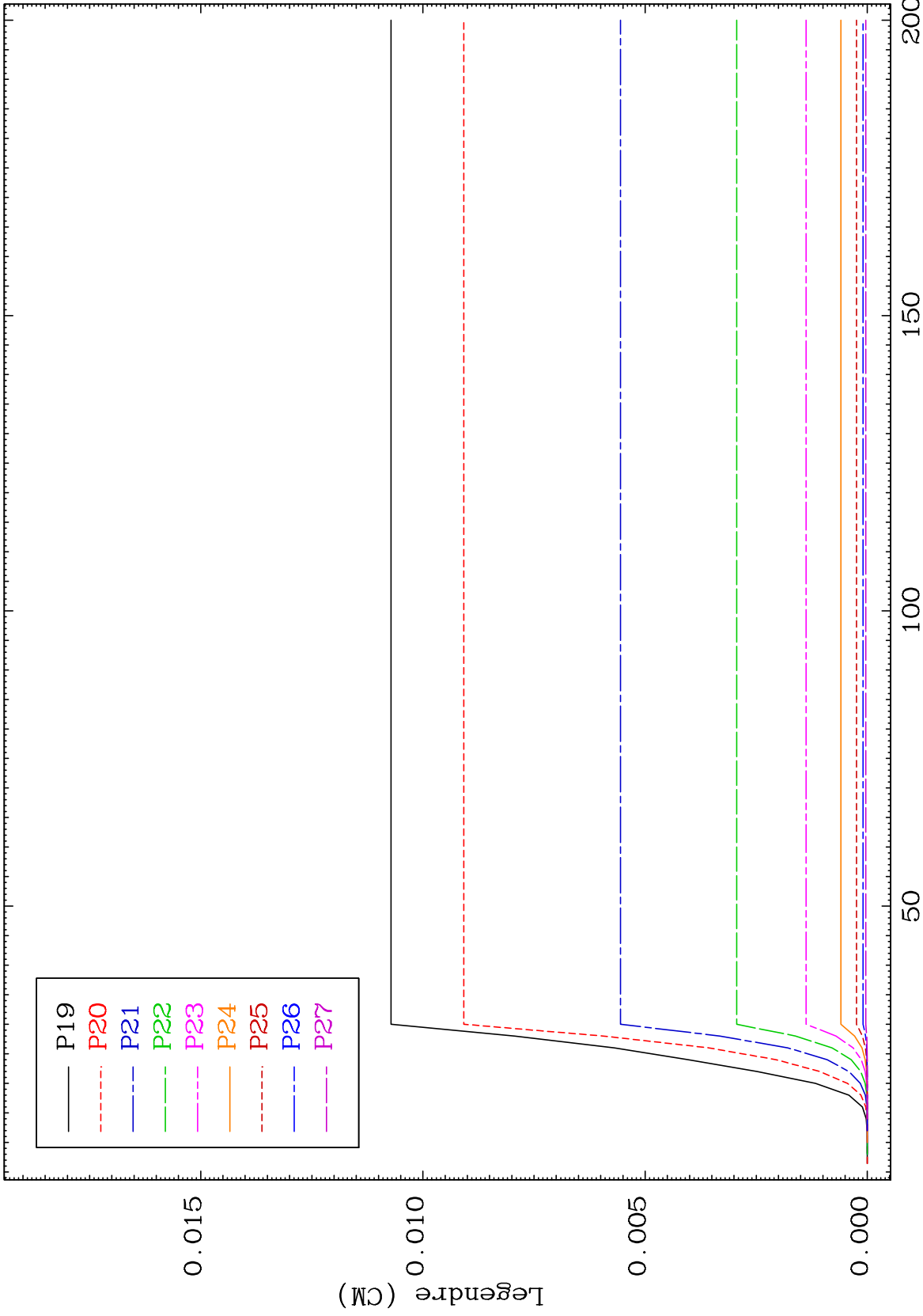
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



107

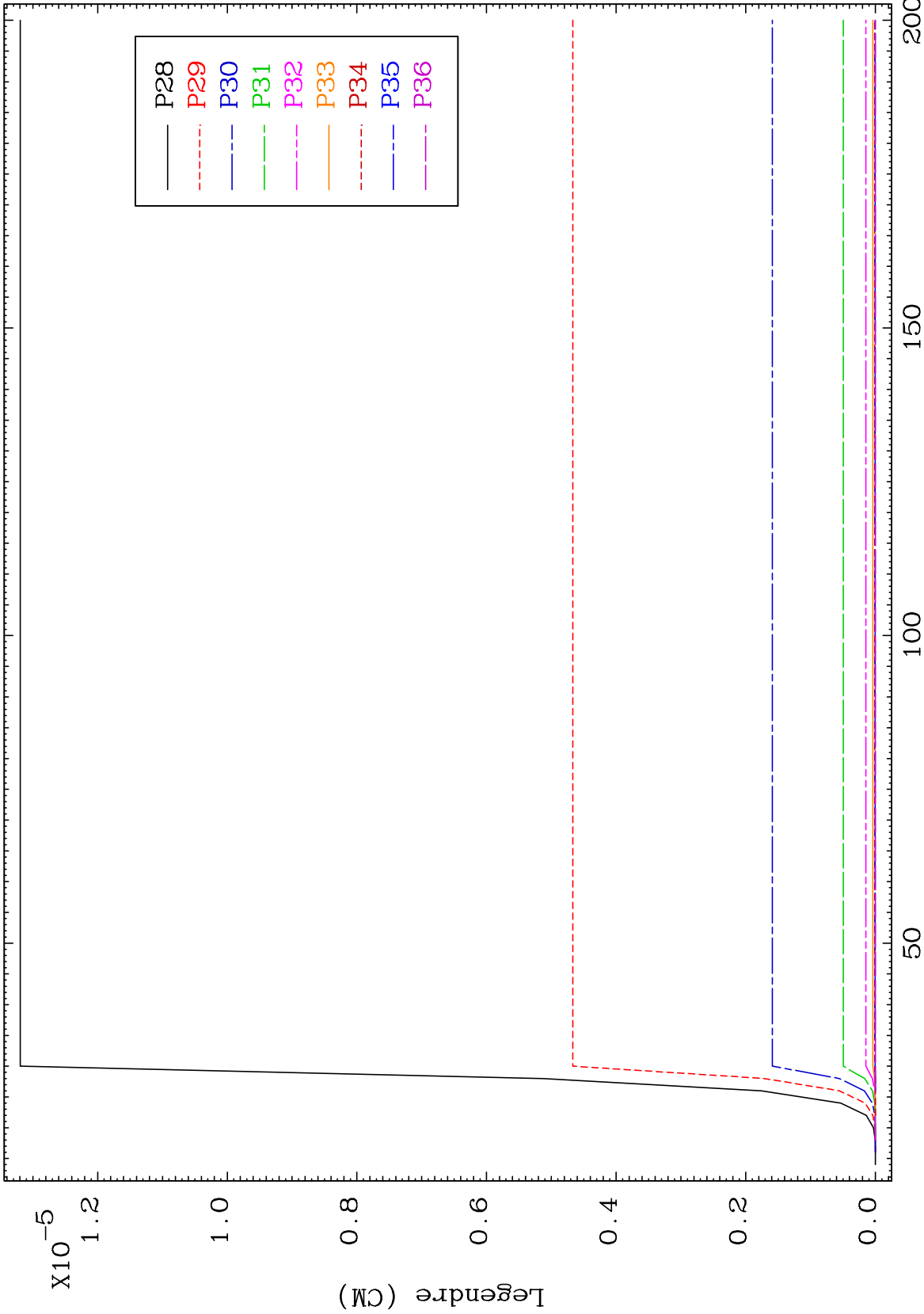
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



108

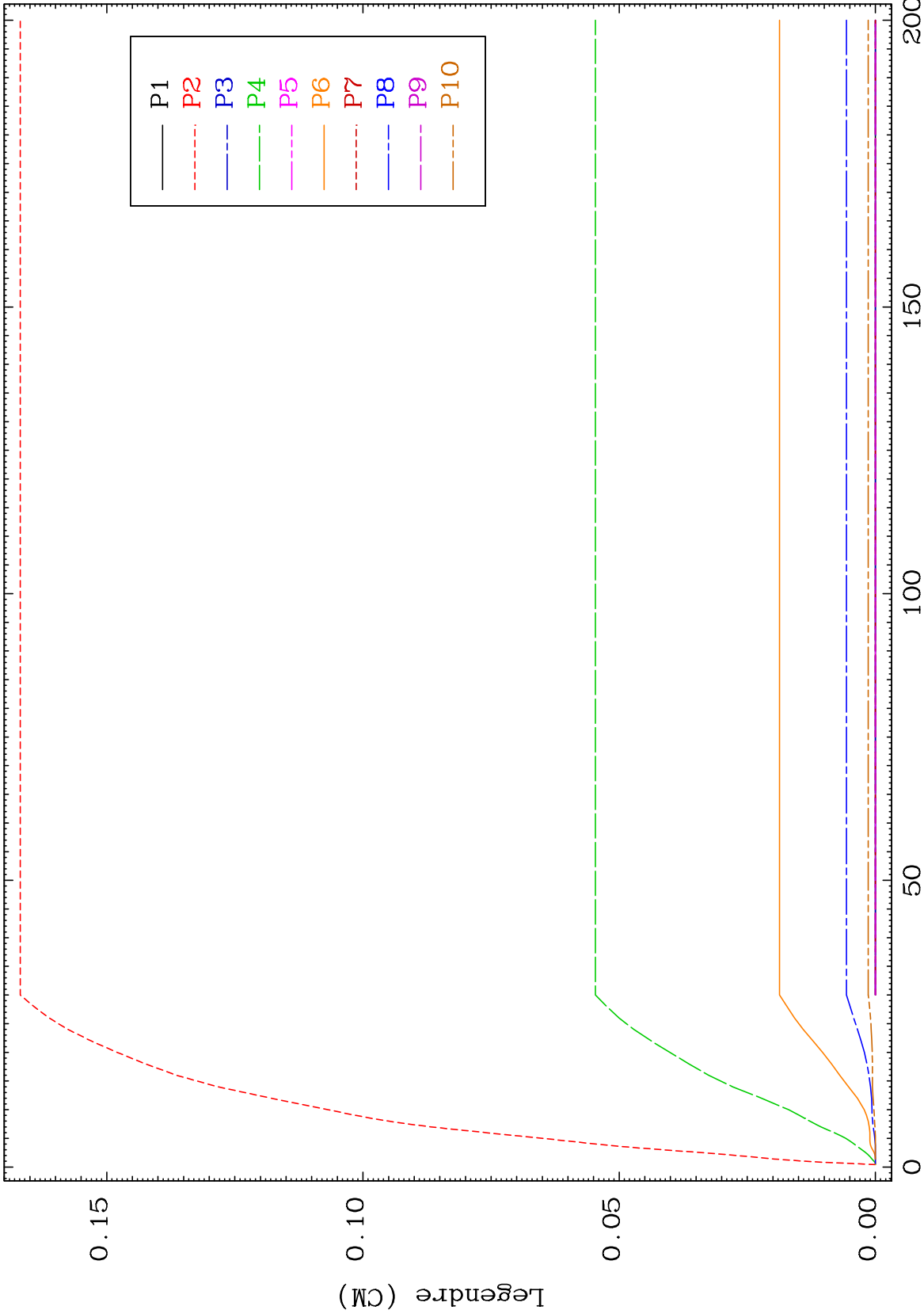
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



109

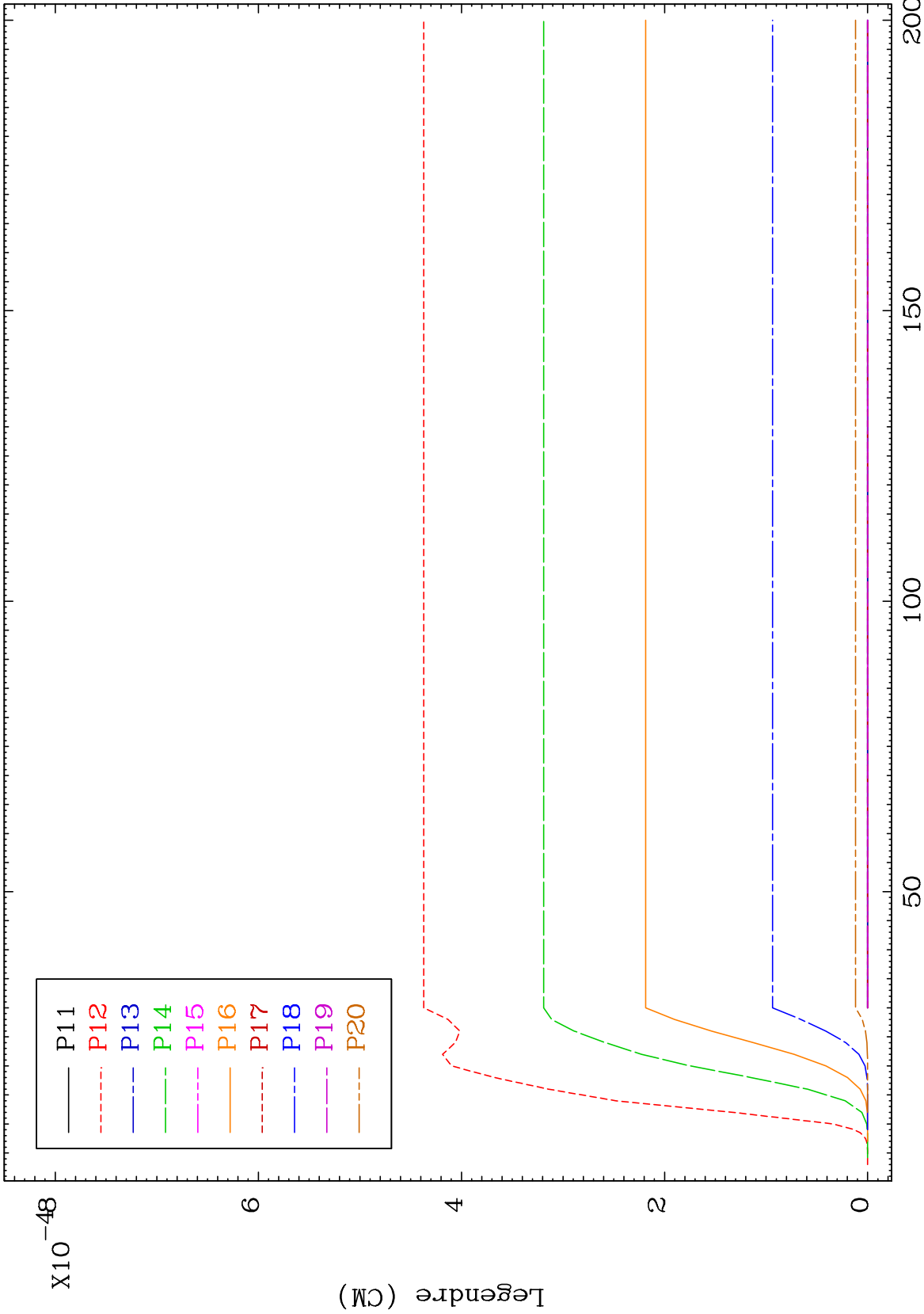
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



110

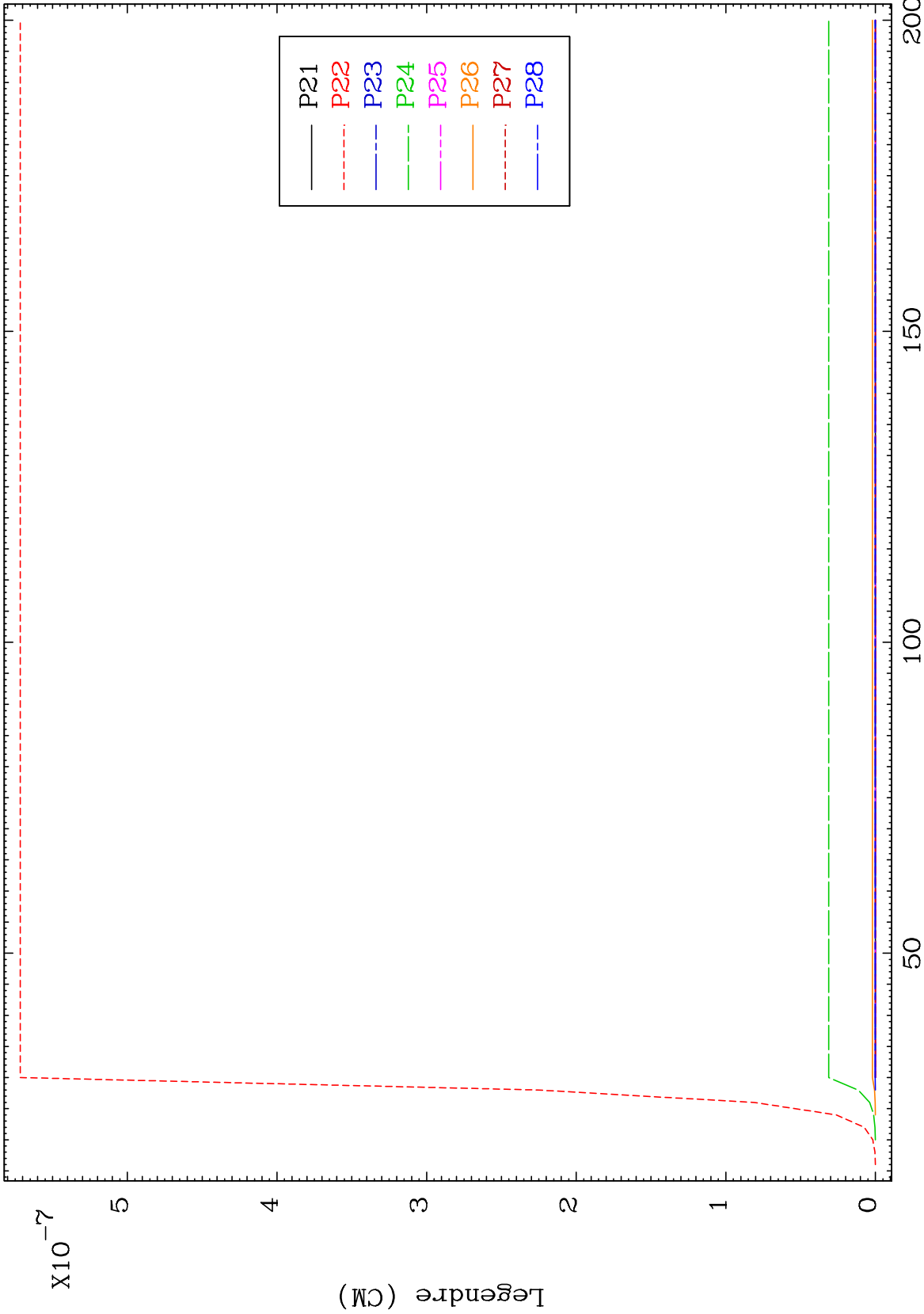
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



111

Incident Energy (MeV)

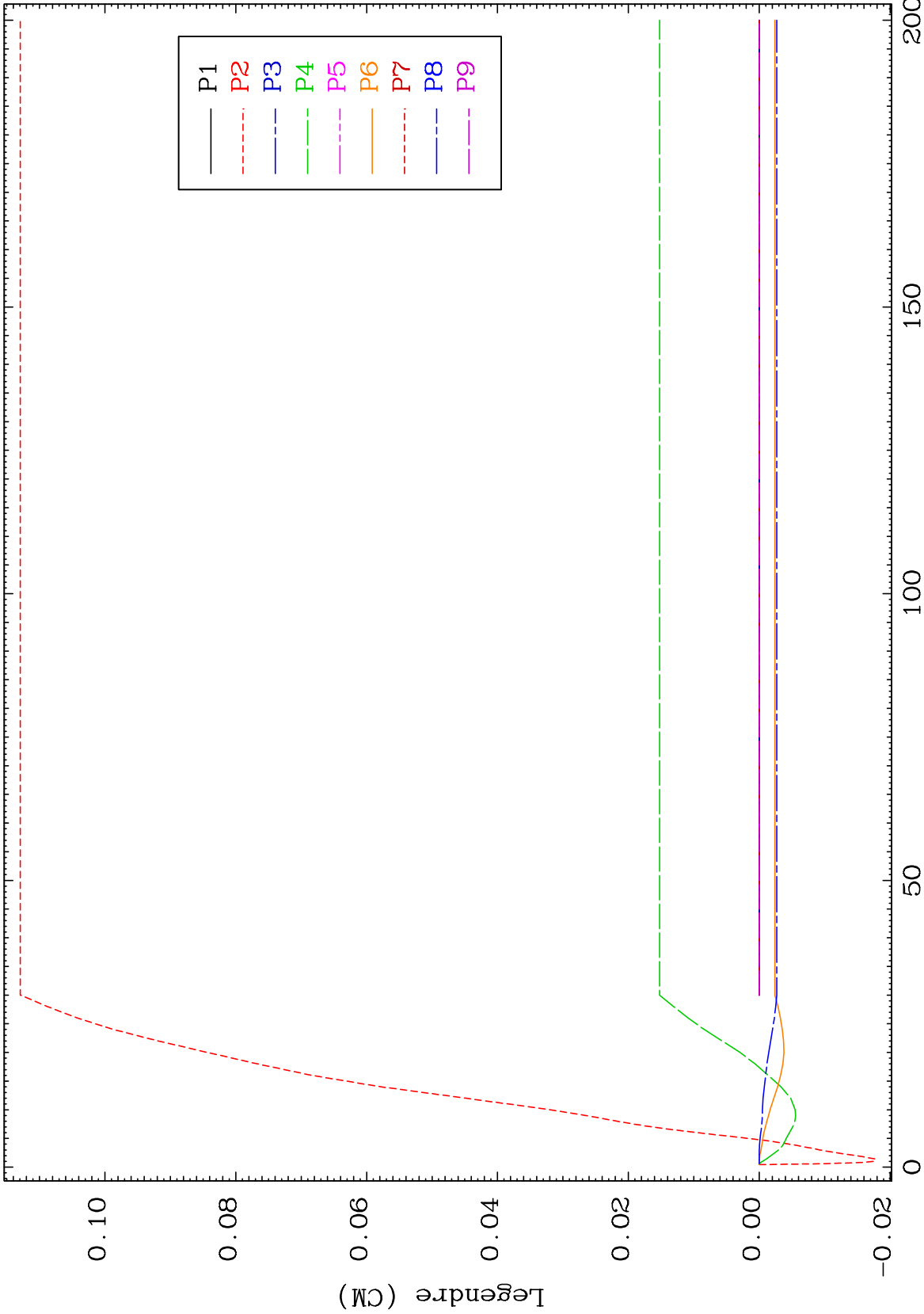
64-Gd-153



MAT 6428

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

64-Gd-153



64-Gd-153

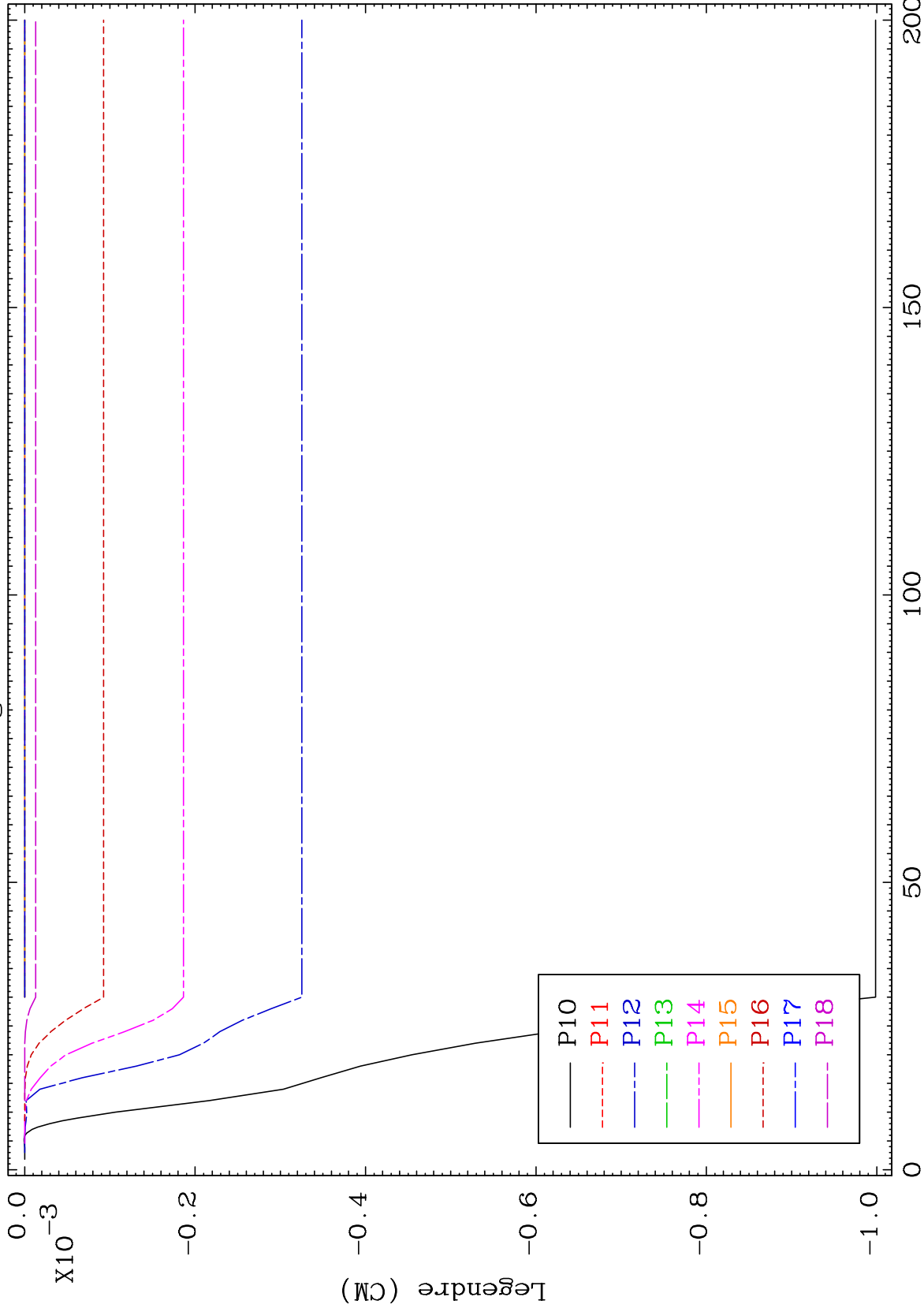
Incident Energy (MeV)

112

MAT 6428

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

64-Gd-153



113

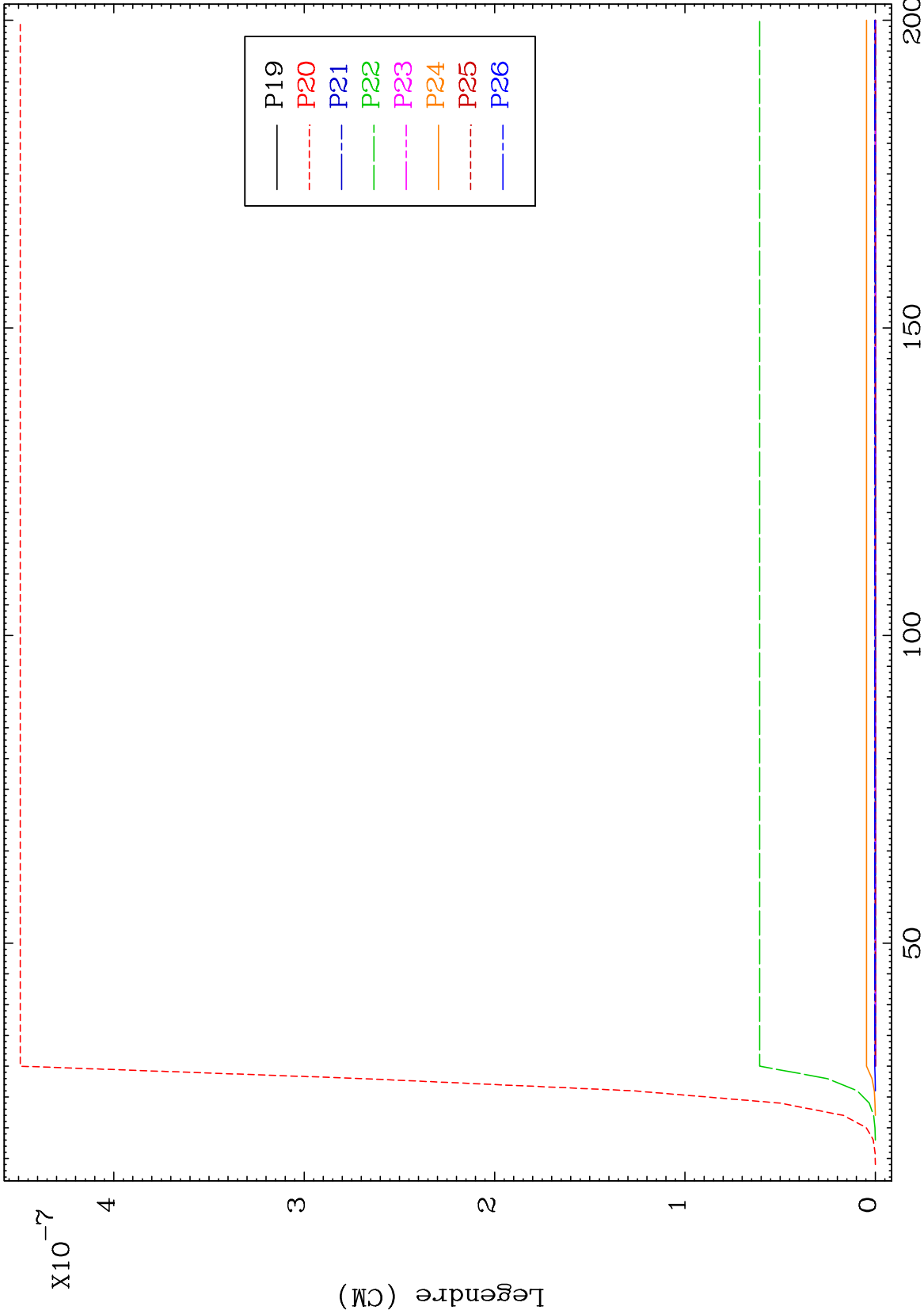
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153

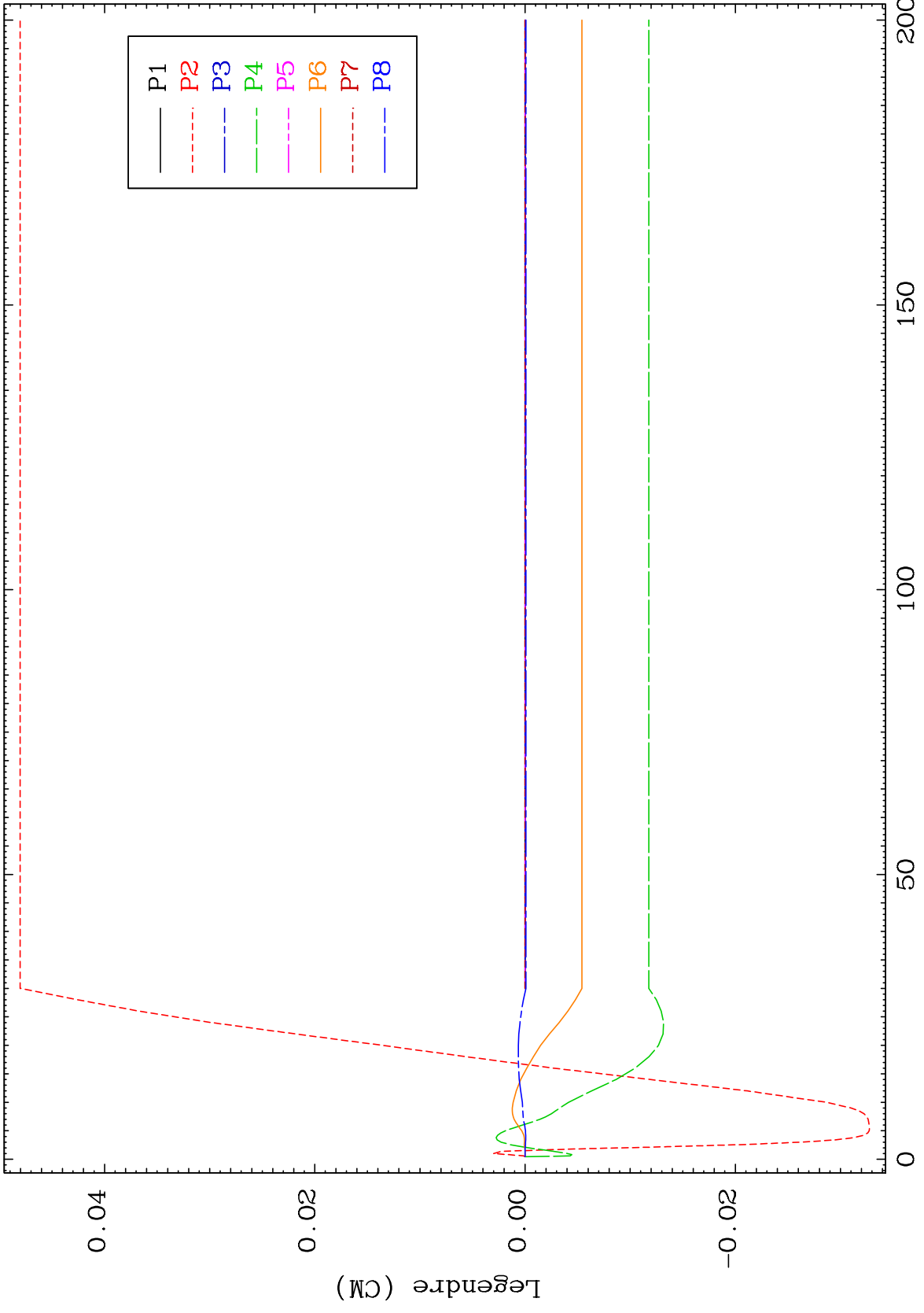


114

Incident Energy (MeV)

64-Gd-153

MAT 6428 MT= 80 (n,n') Level Legendre Coefficients 64-Gd-153

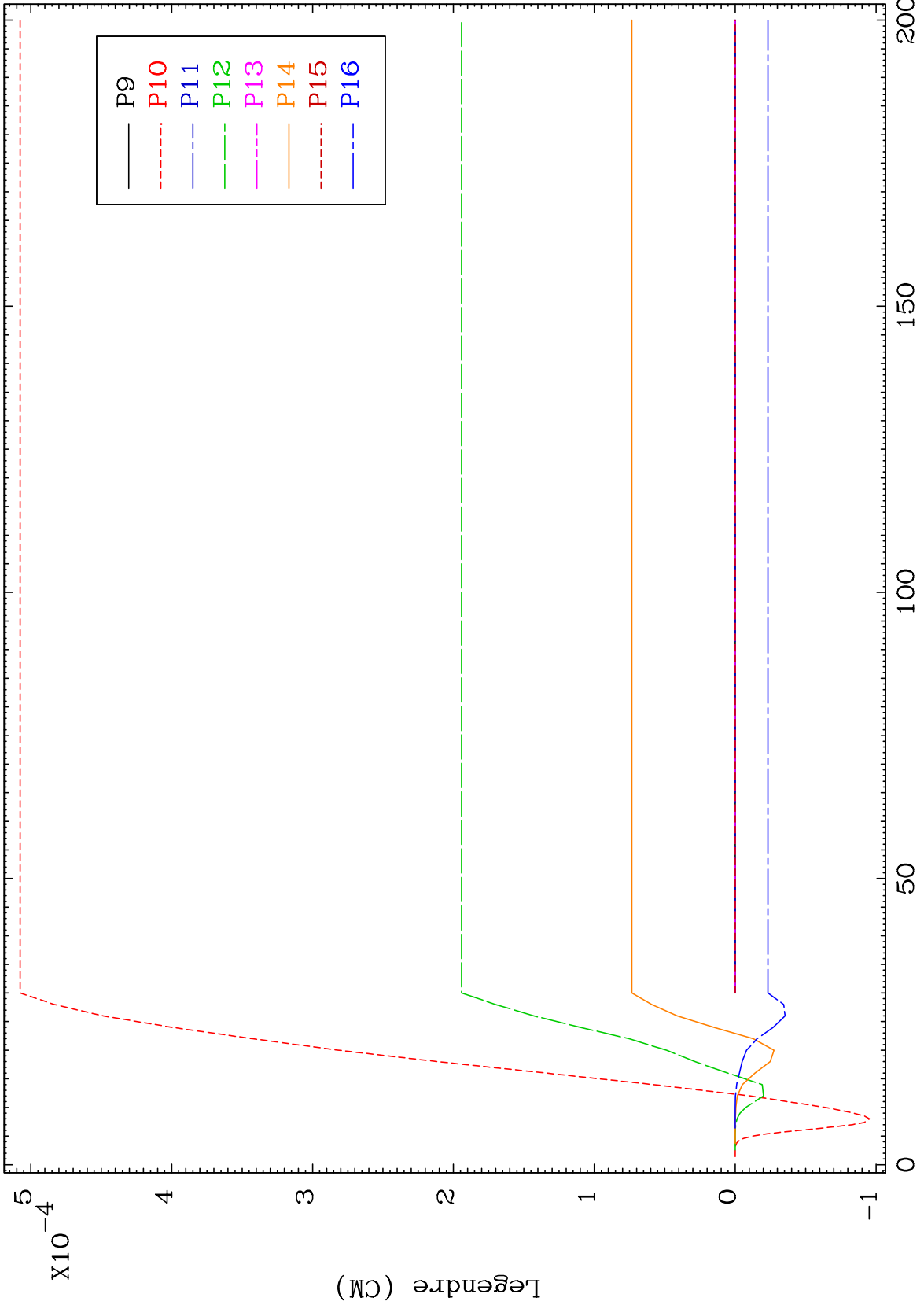


115 64-Gd-153

MAT 6428

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

64-Gd-153



116

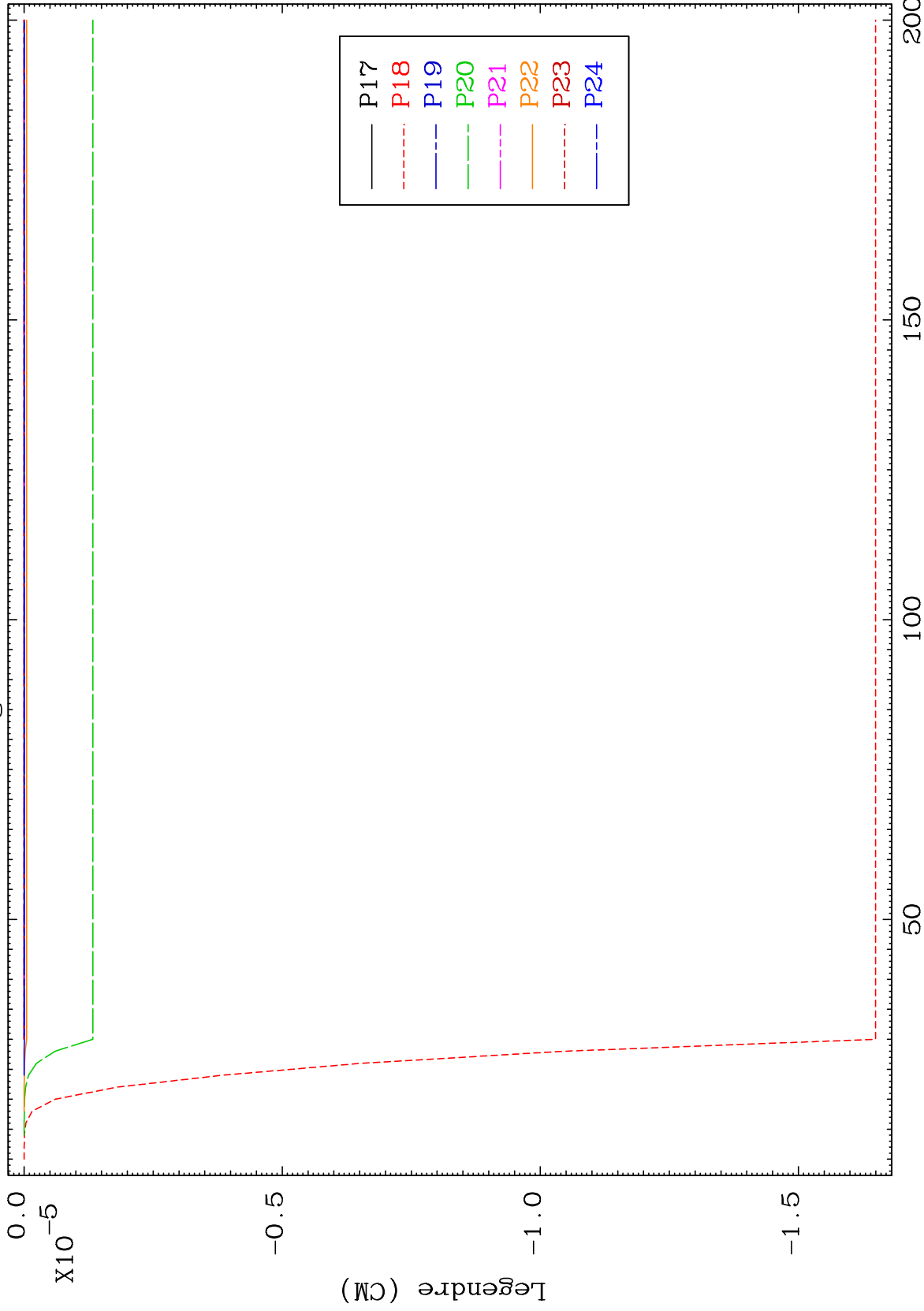
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

Incident Energy (MeV)

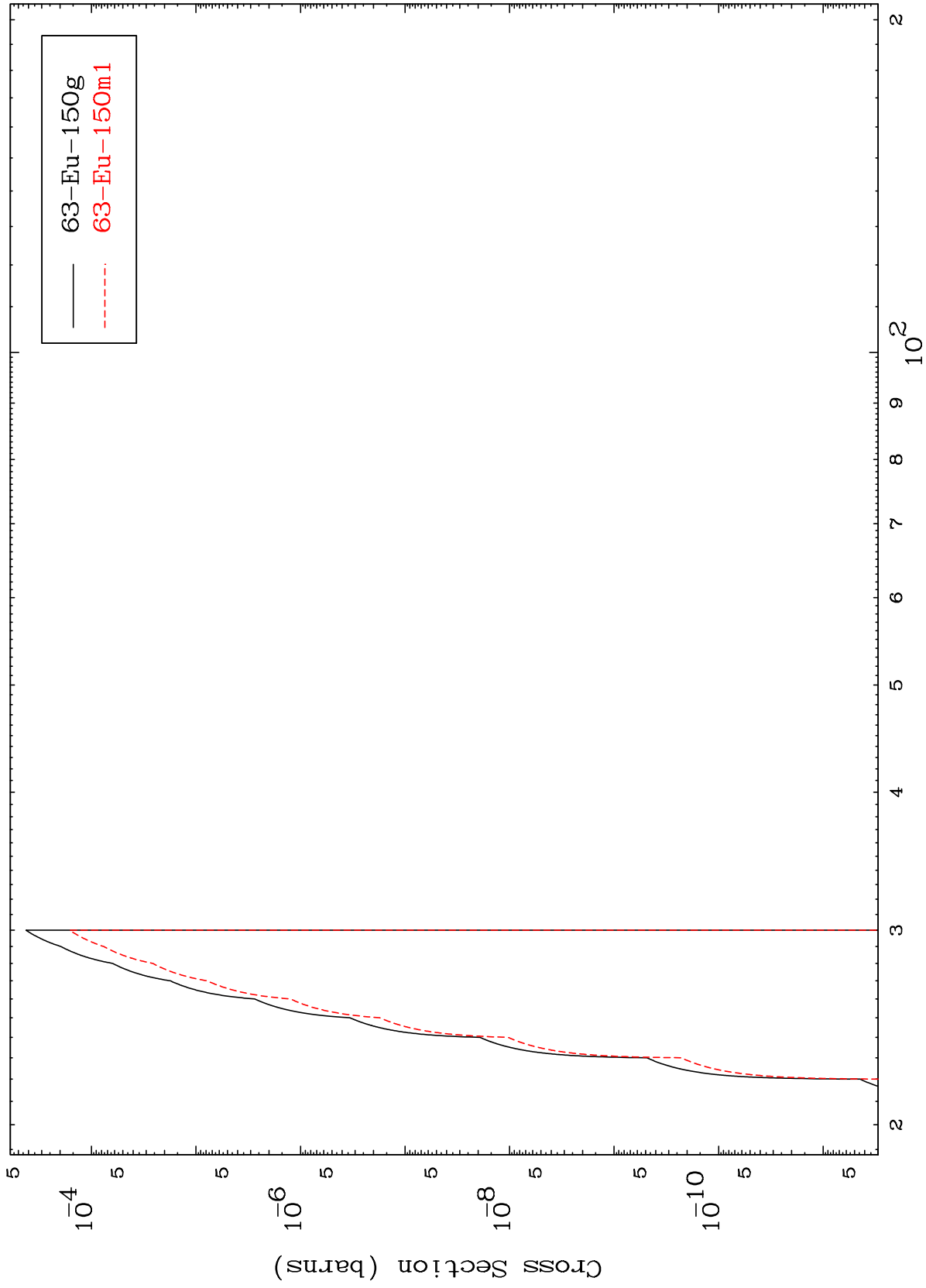
117

MAT 6428

(n,2n) d

64-Gd-153

Radionuclide Production Cross Section



118

Incident Energy (MeV)

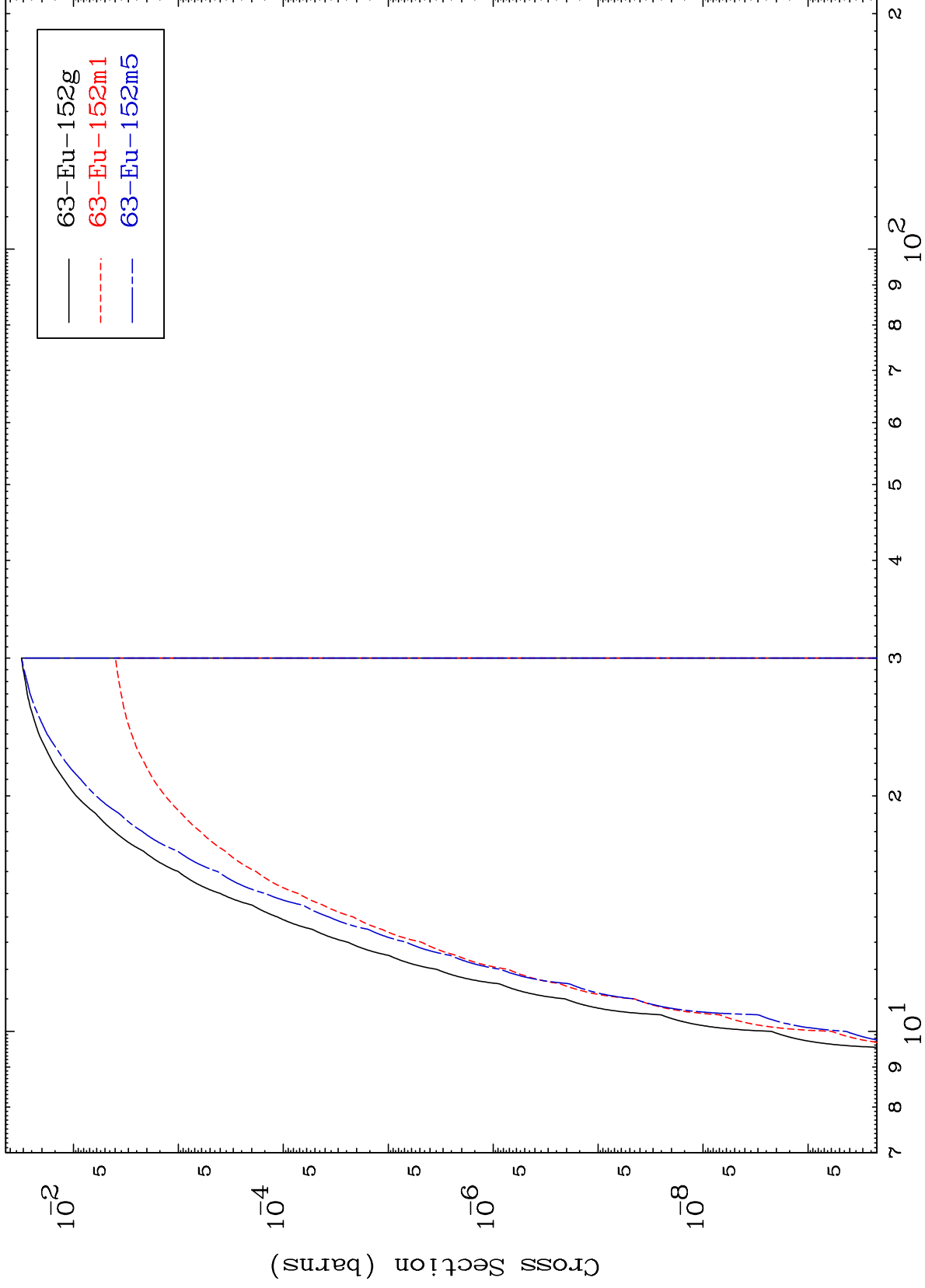
64-Gd-153

MAT 6428

(n,n') p

64-Gd-153

Radionuclide Production Cross Section



119

Incident Energy (MeV)

64-Gd-153



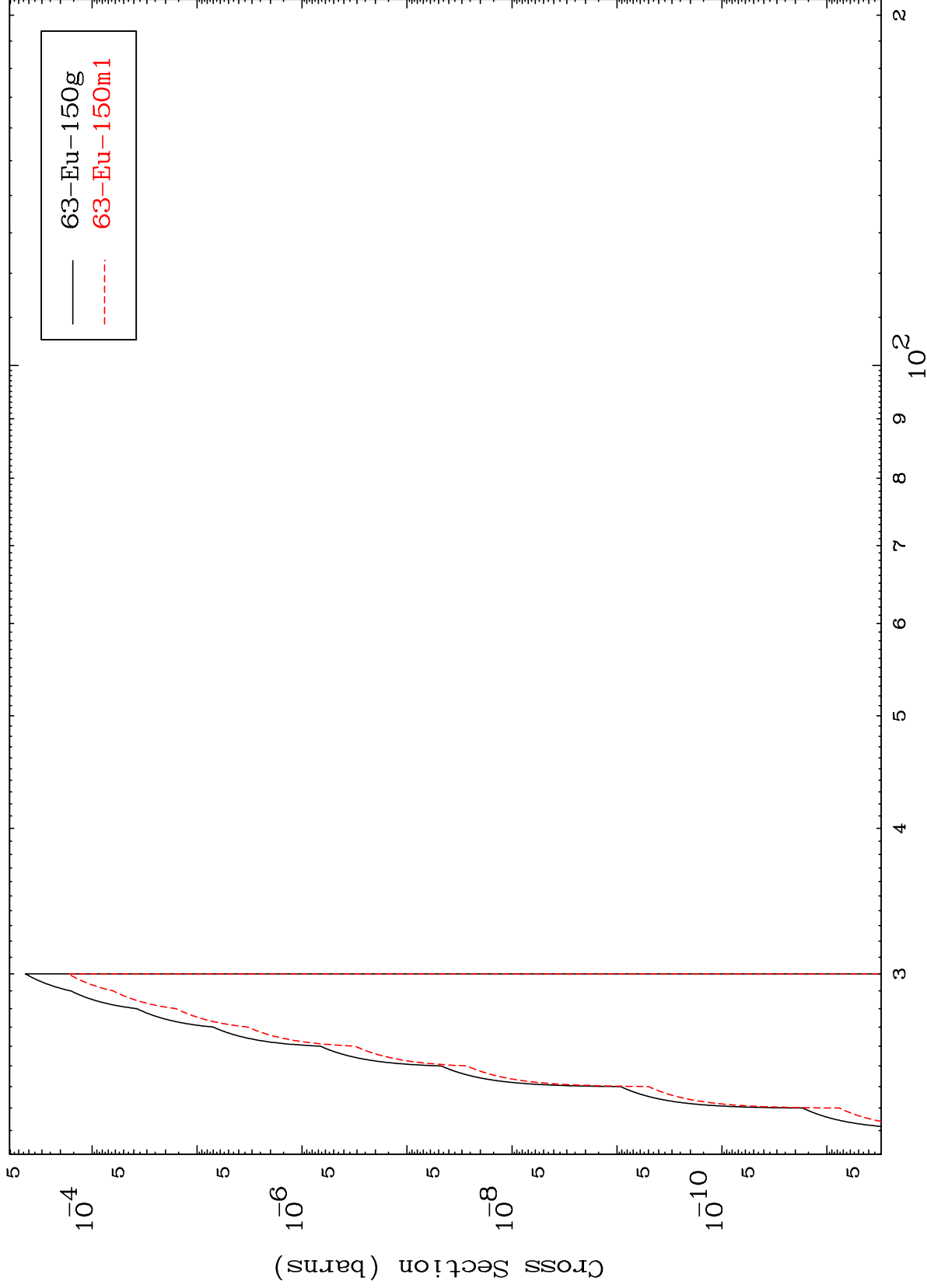


MAT 6428

(n,3n) p

64-Gd-153

Radionuclide Production Cross Section



121

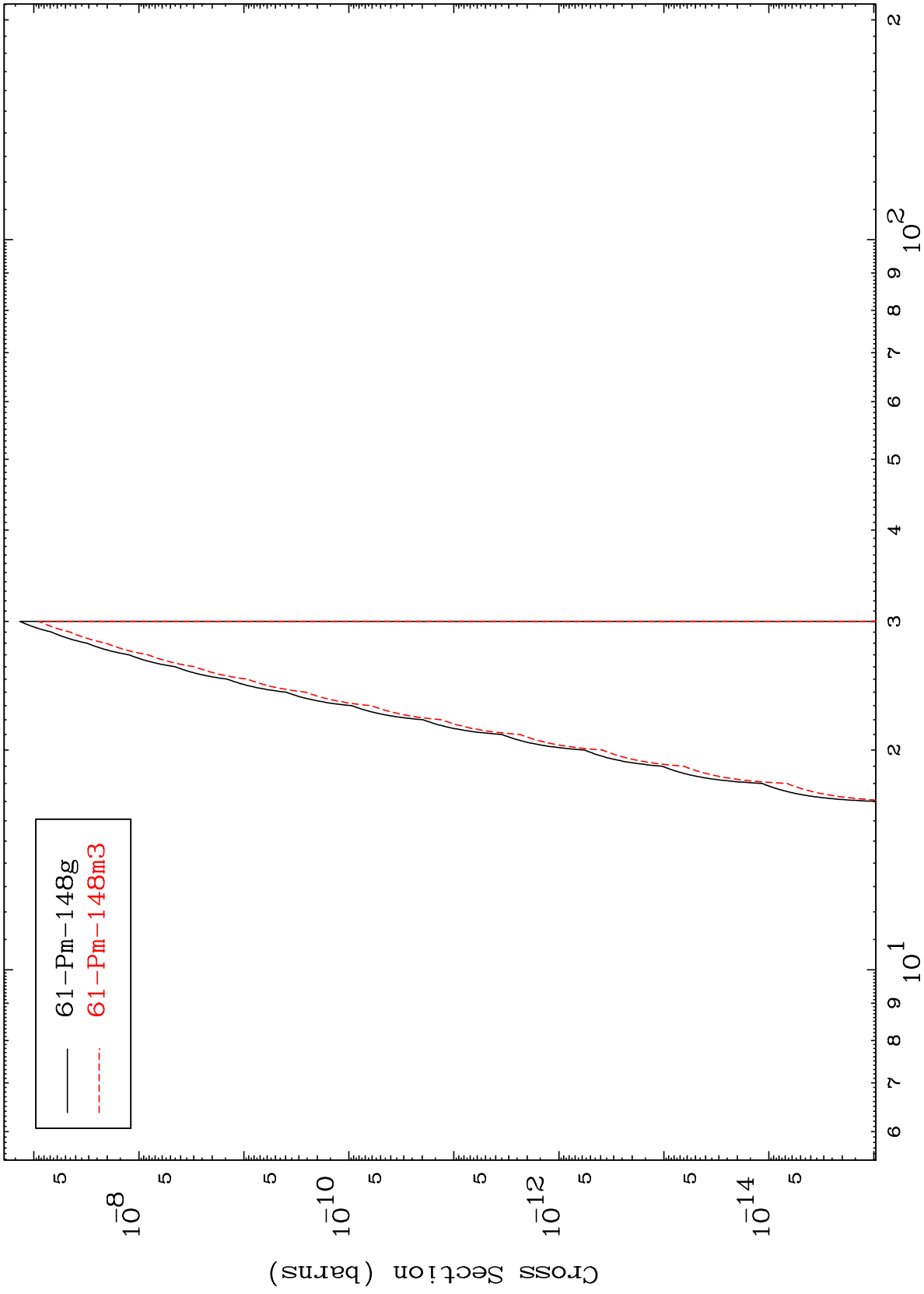
Incident Energy (MeV)

64-Gd-153

MAT 6428

64-Gd-153

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



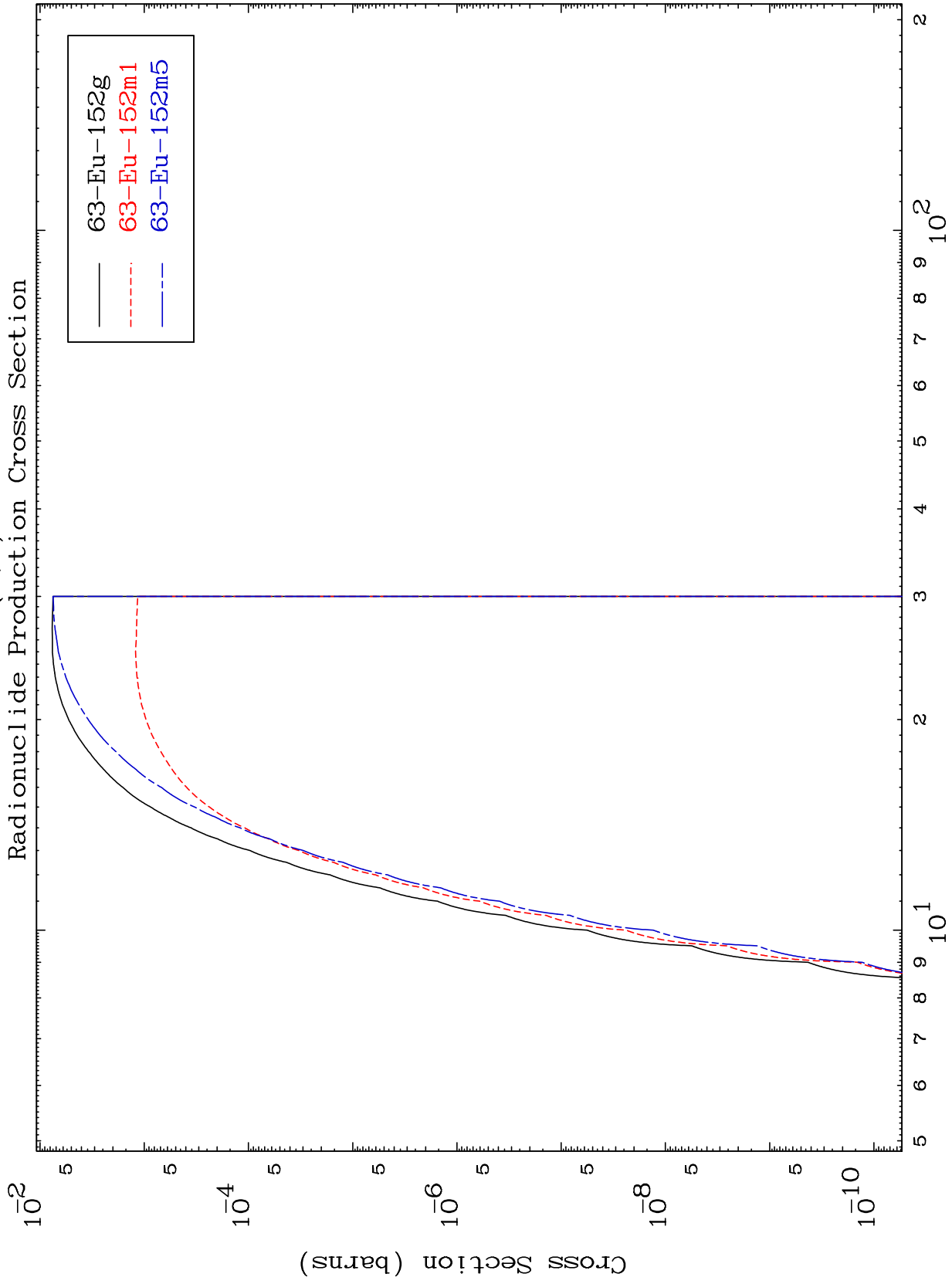
122

64-Gd-153

MAT 6428

64-Gd-153

(n,d)  
Radionuclide Production Cross Section



123

Incident Energy (MeV)

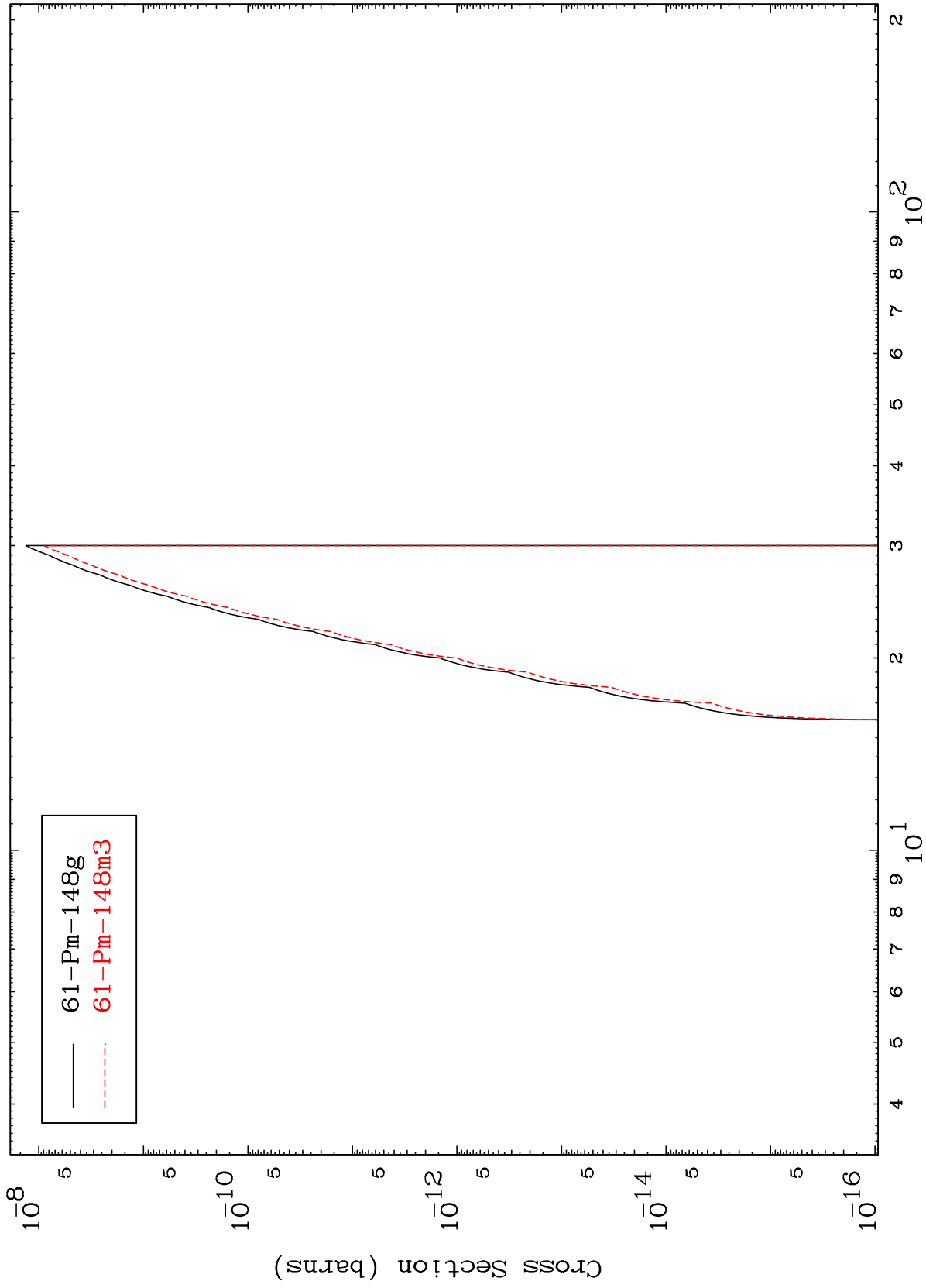
64-Gd-153

MAT 6428

(n,d)  $\alpha$

64-Gd-153

Radionuclide Production Cross Section



61-Pm-148g  
61-Pm-148m3

124

Incident Energy (MeV)

64-Gd-153