

Program EVALPLOT
(Version 2018-1)

by

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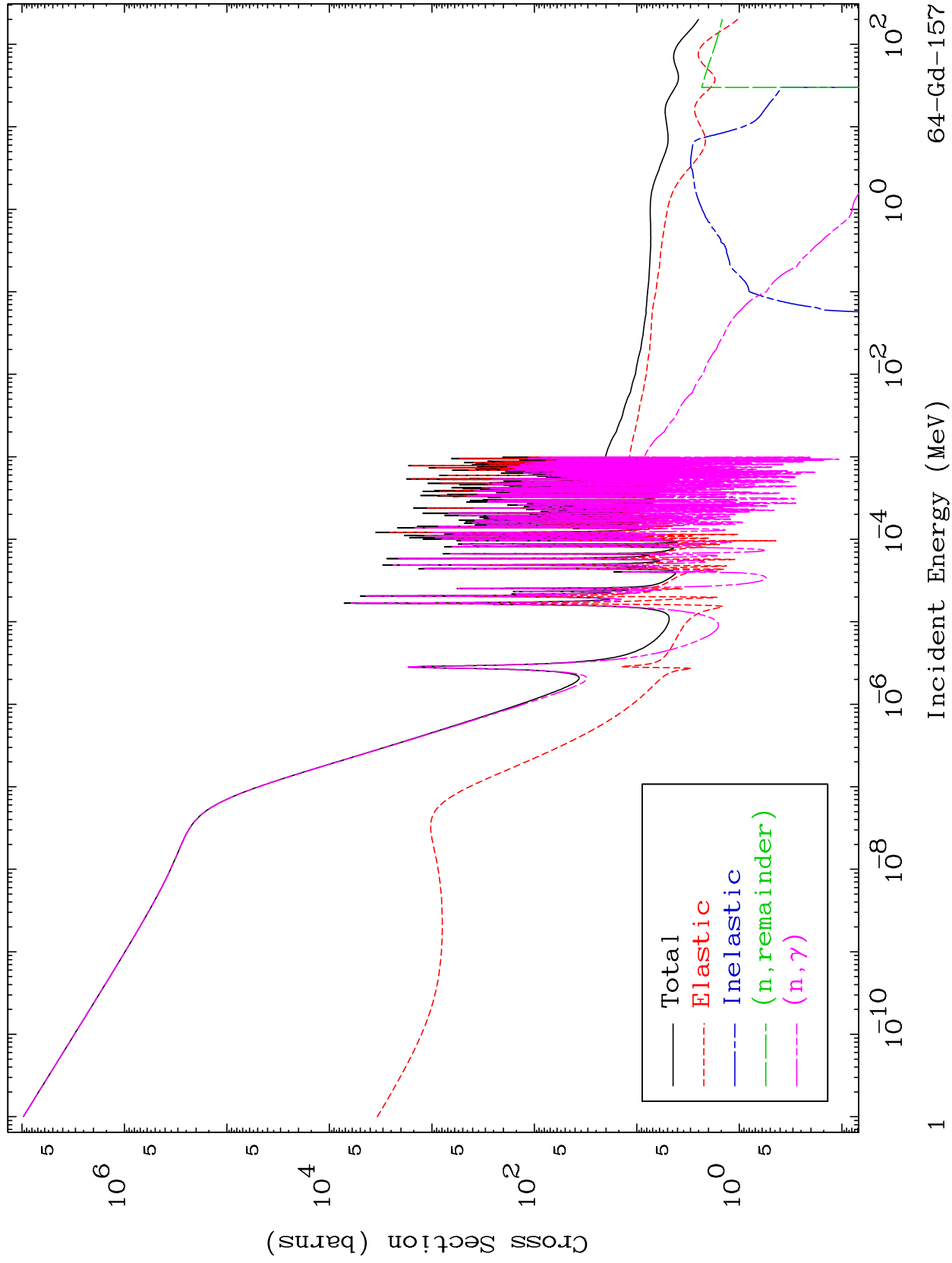
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6440

Major
293 Kelvin Cross Sections

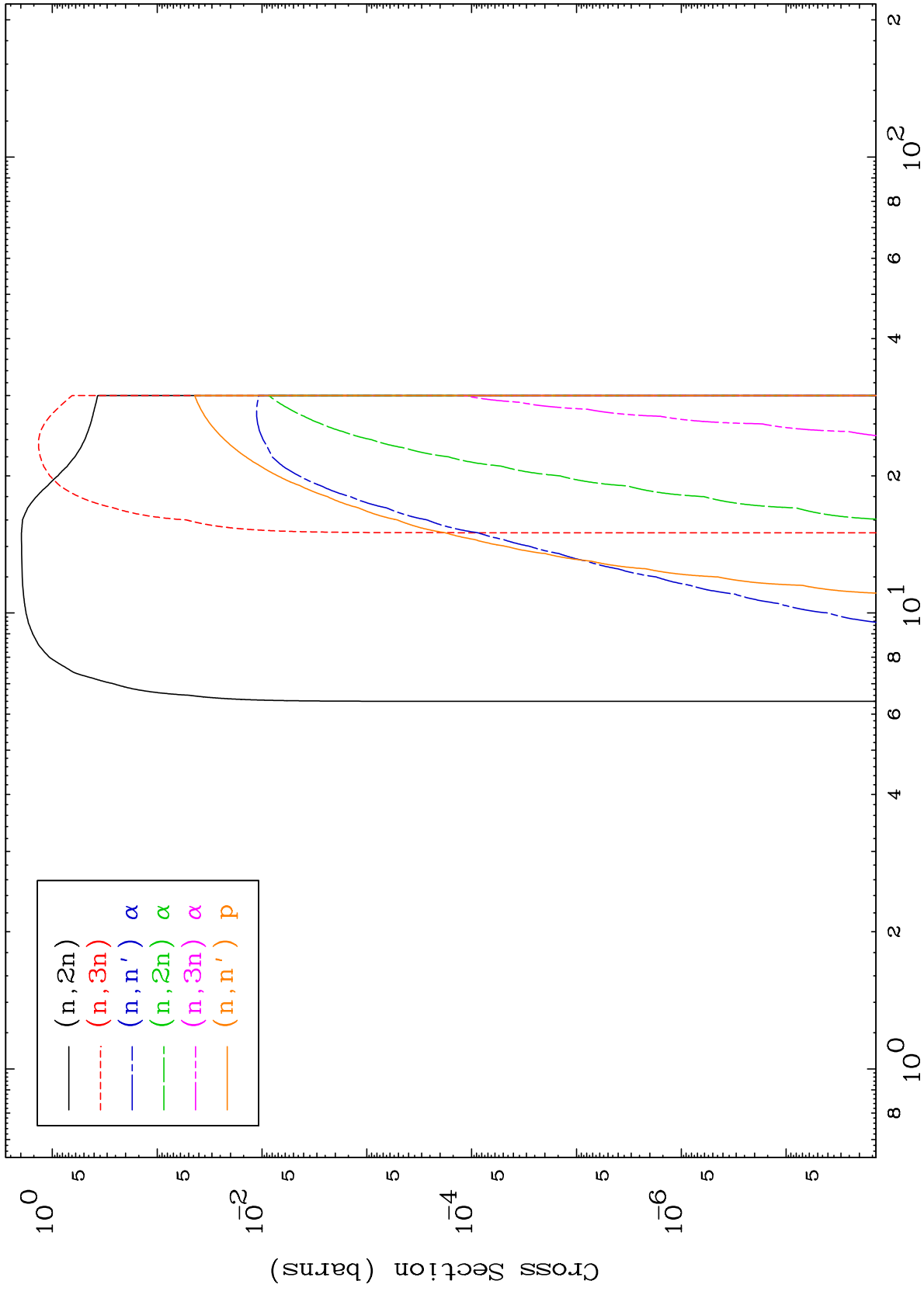
64-Gd-157



MAT 6440

Neutron Production
293 Kelvin Cross Sections

64-Gd-157



2

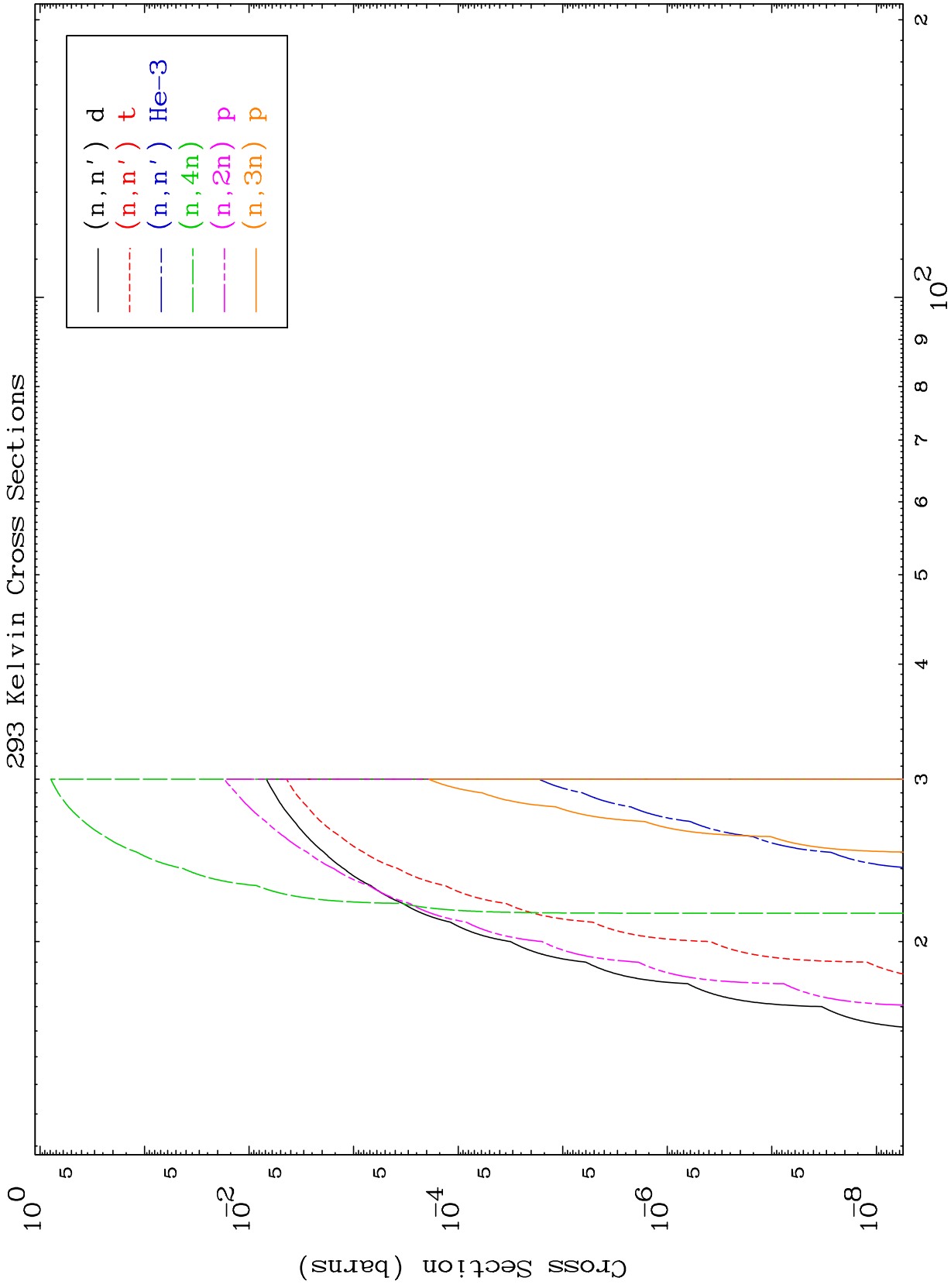
Incident Energy (MeV)

64-Gd-157

MAT 6440

Neutron Production
293 Kelvin Cross Sections

64-Gd-157



3

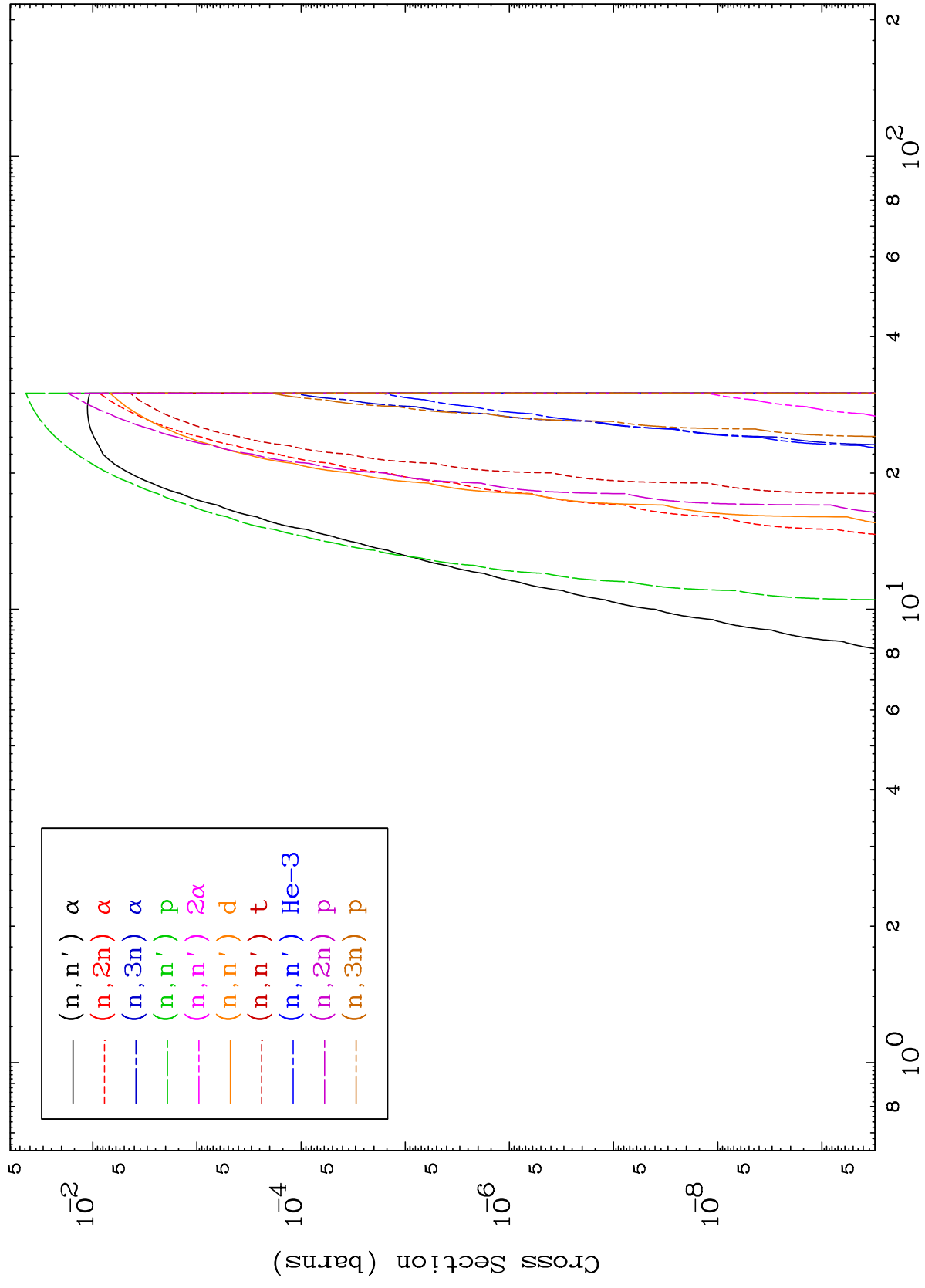
Incident Energy (MeV)

64-Gd-157

MAT 6440

293 Kelvin Cross Sections

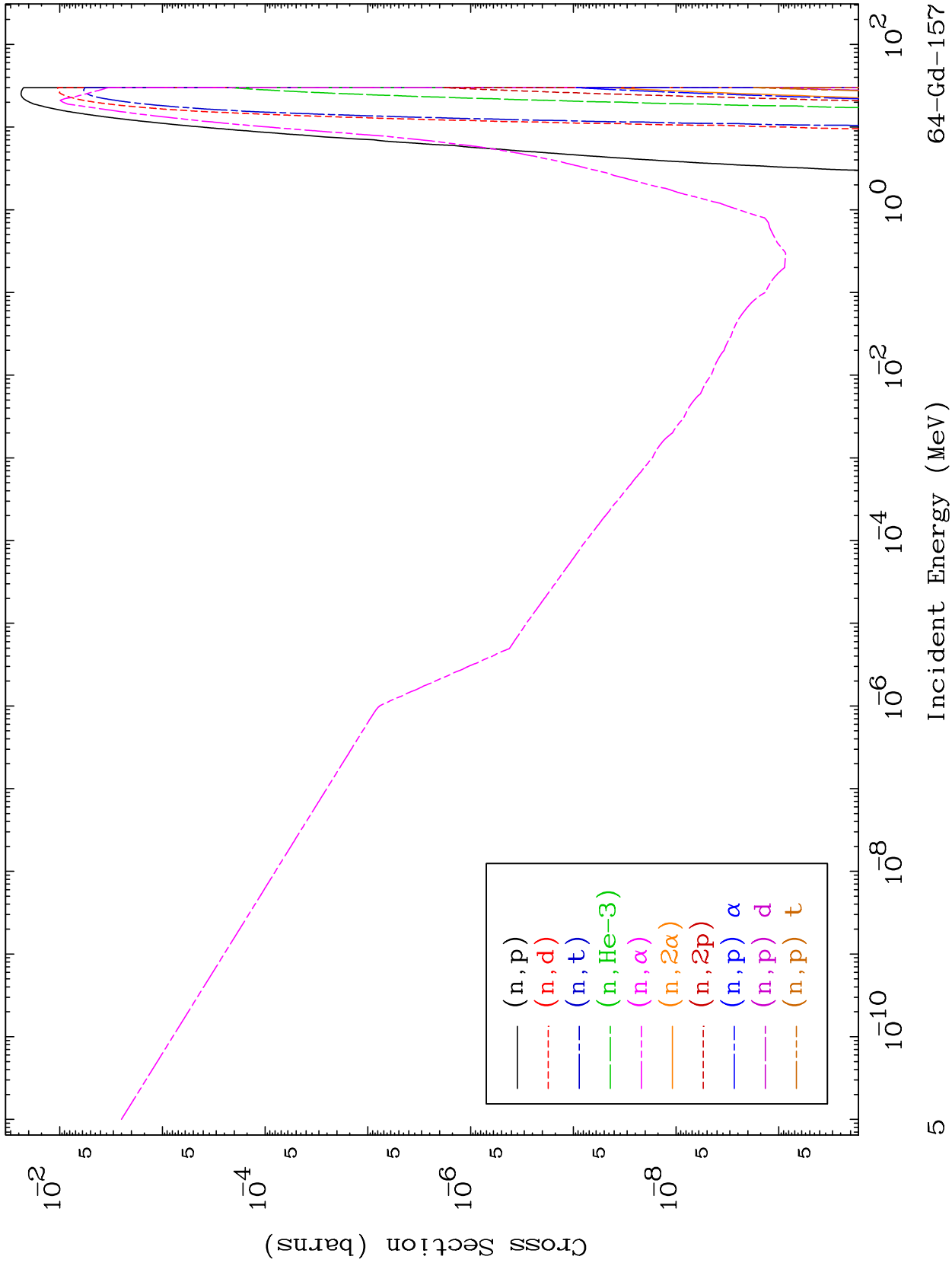
64-Gd-157



MAT 6440

293 Kelvin Cross Sections
Charged Particle

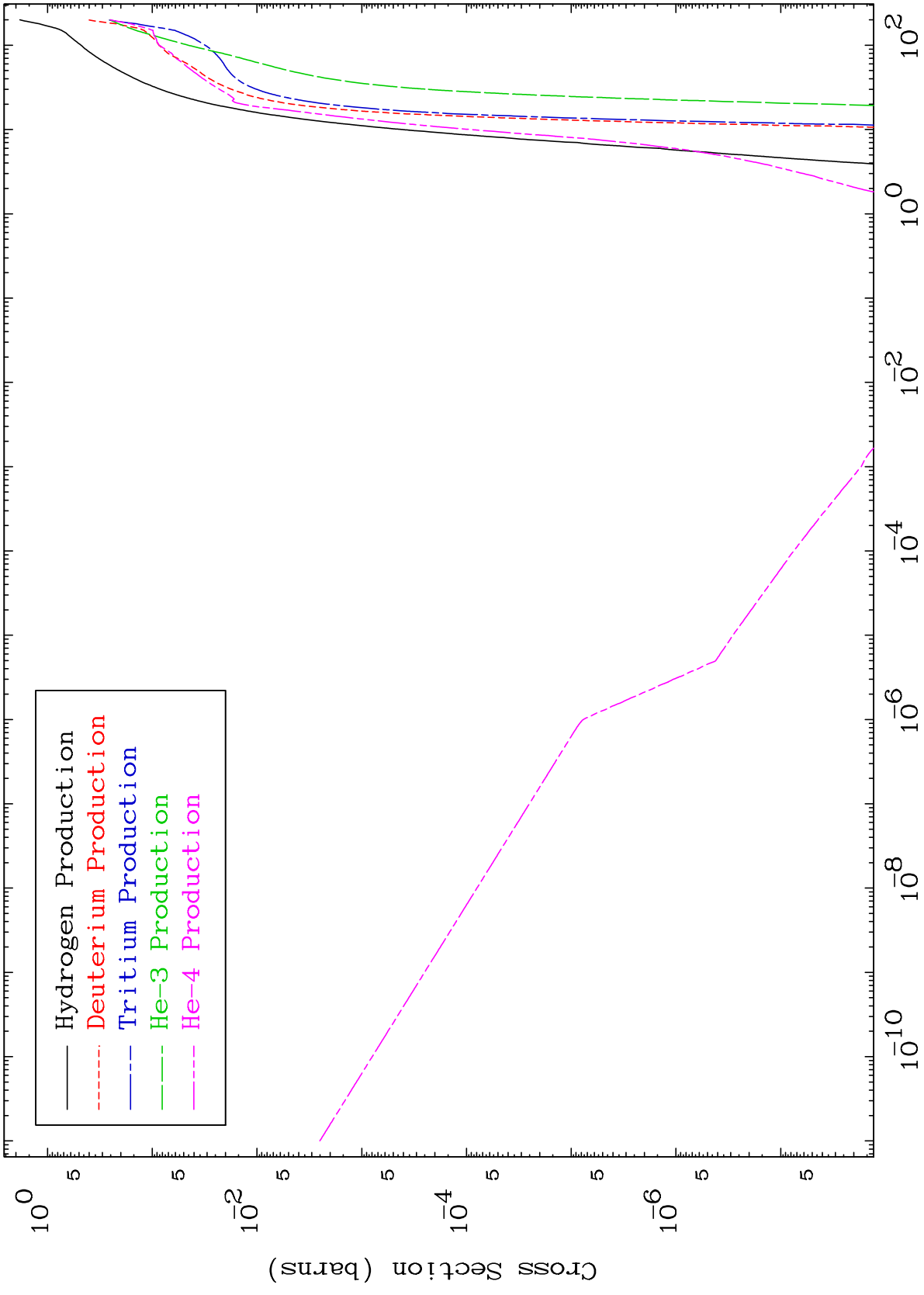
64-Gd-157



MAT 6440

Particle Production
293 Kelvin Cross Sections

64-Gd-157

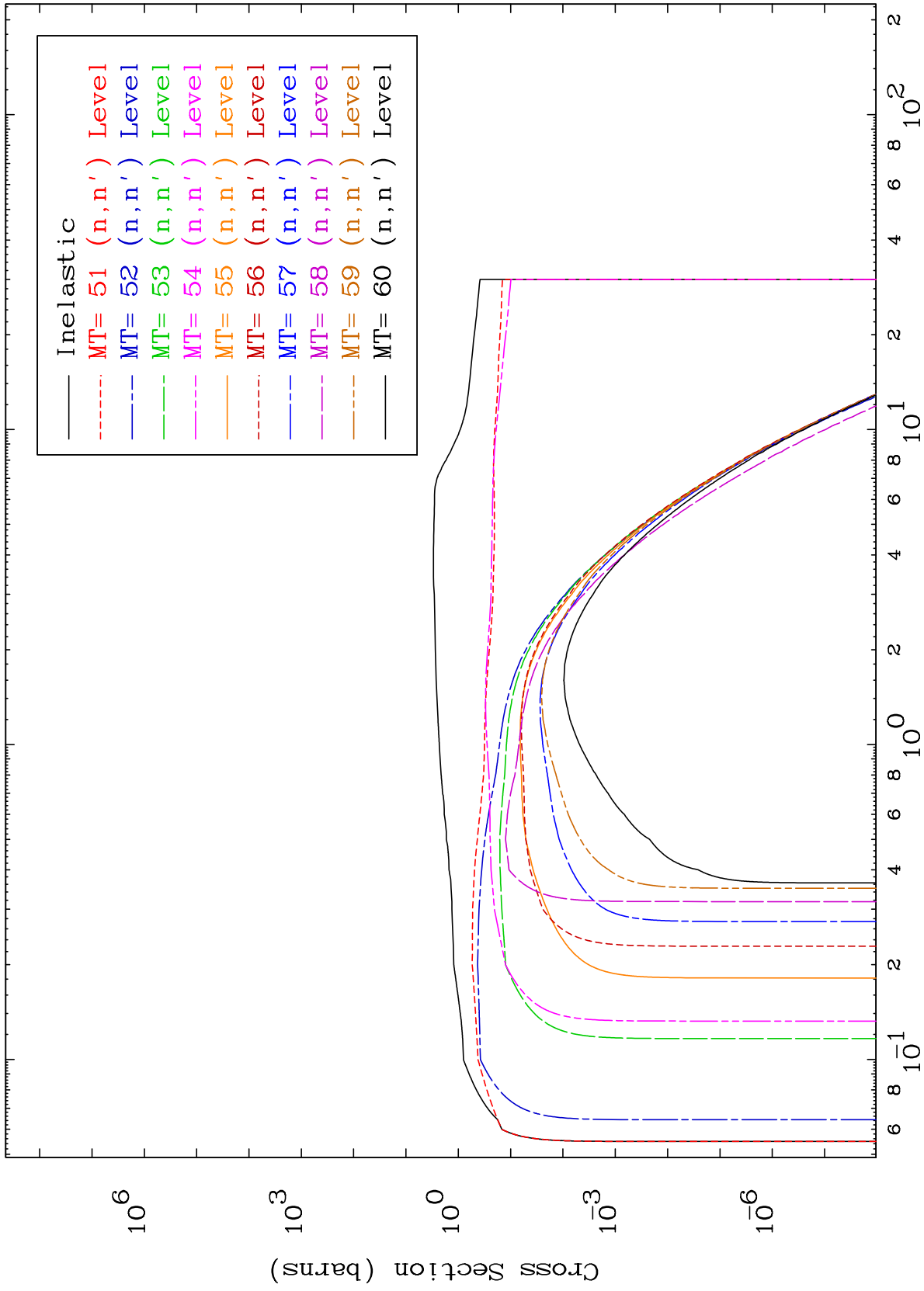


MAT 6440

(n,n') Level

64-Gd-157

293 Kelvin Cross Sections

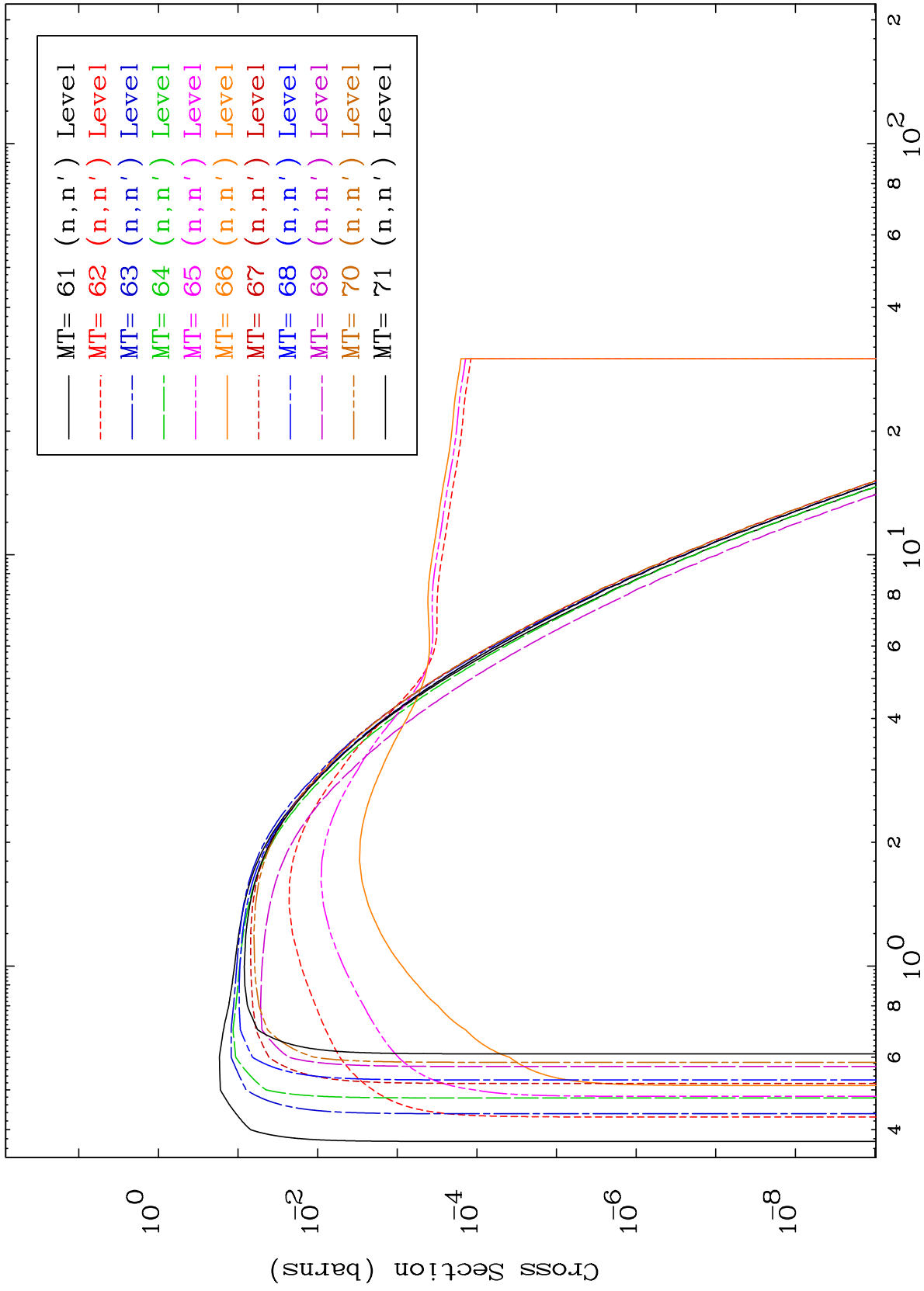


MAT 6440

(n,n') Level

64-Gd-157

293 Kelvin Cross Sections



8

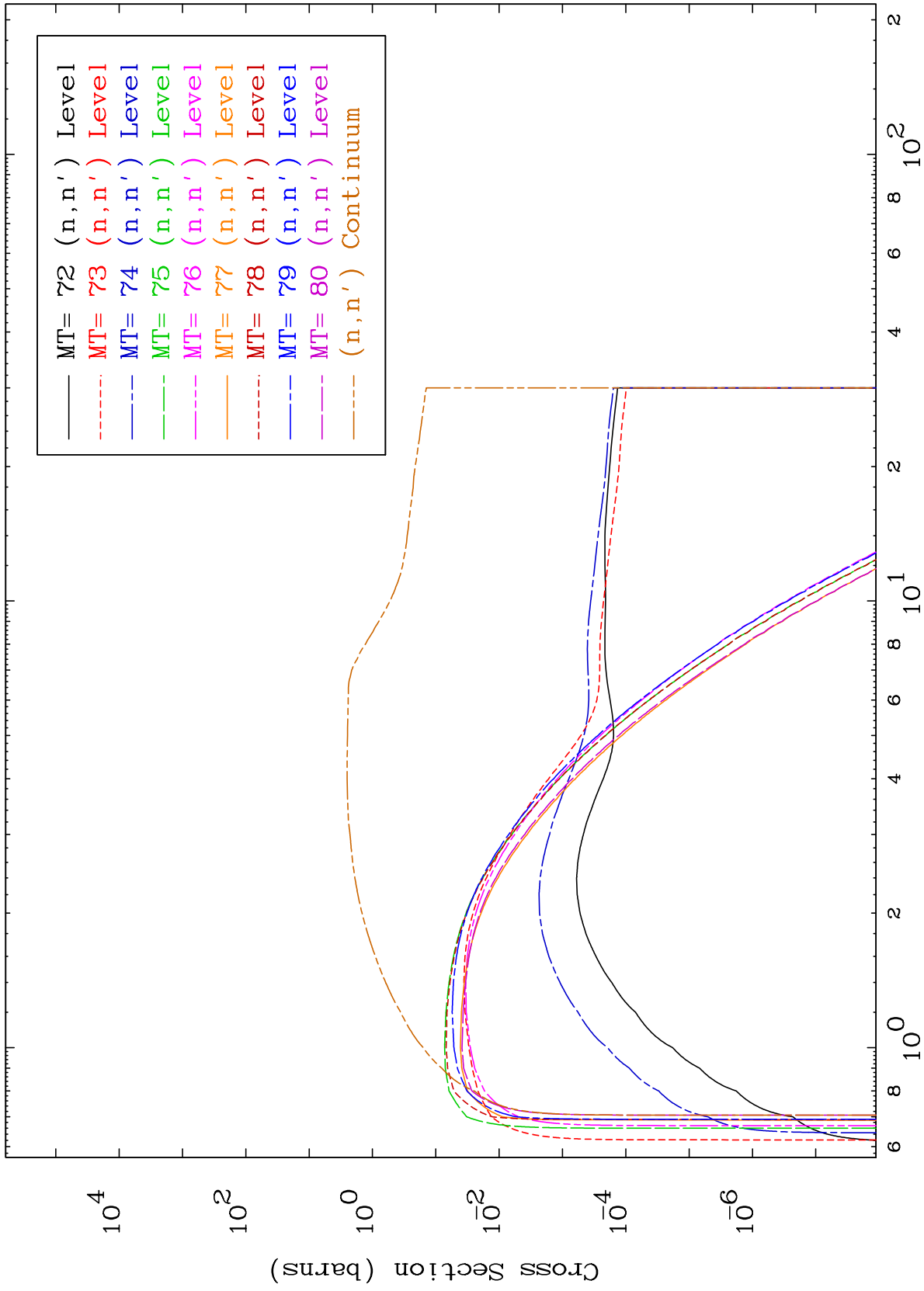
Incident Energy (MeV)

64-Gd-157

MAT 6440

(n,n') Level
293 Kelvin Cross Sections

64-Gd-157



9

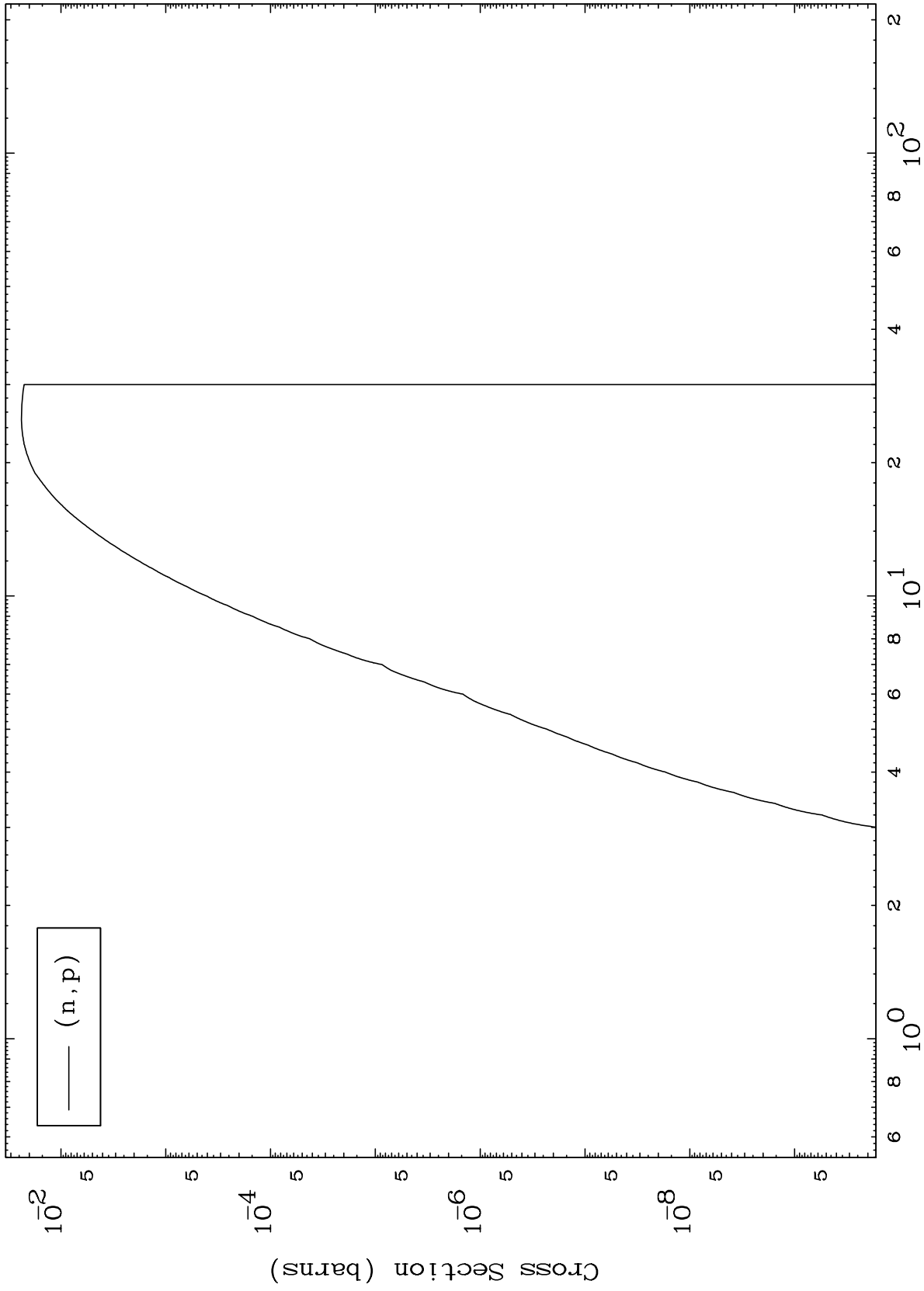
Incident Energy (MeV)

64-Gd-157

MAT 6440

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-157



10

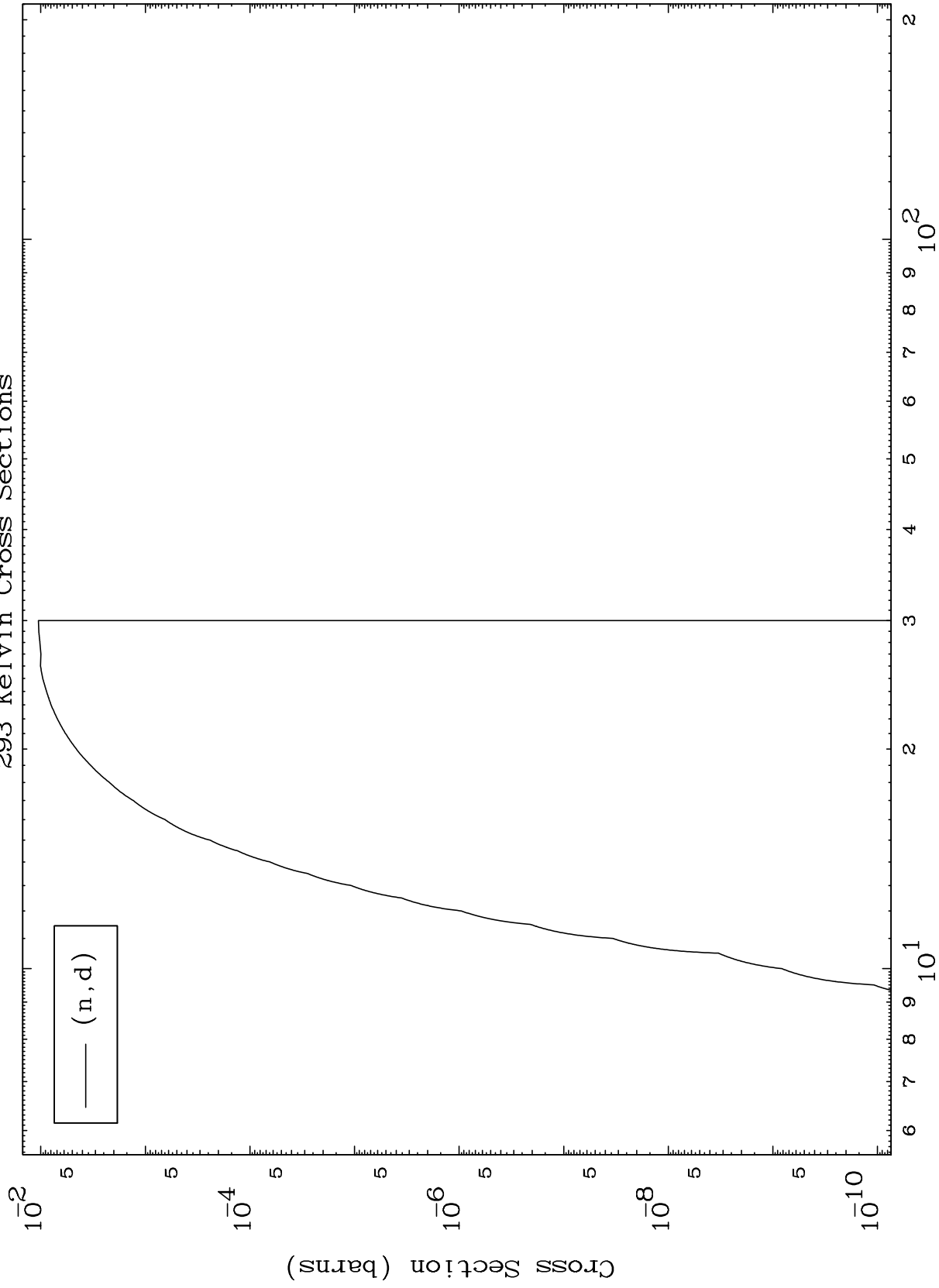
Incident Energy (MeV)

64-Gd-157

MAT 6440

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-157



11

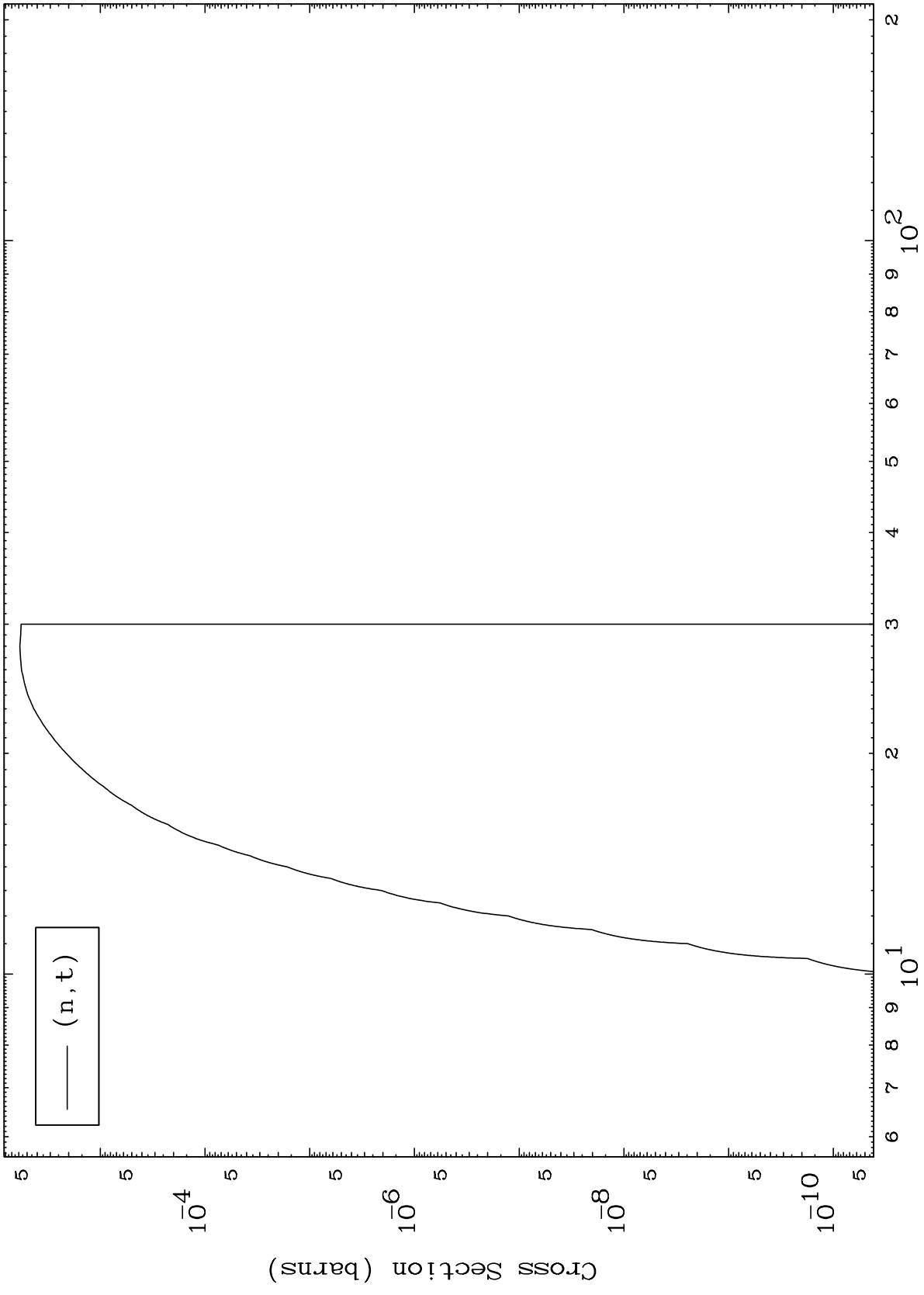
64-Gd-157

64-Gd-157

MAT 6440

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-157



12

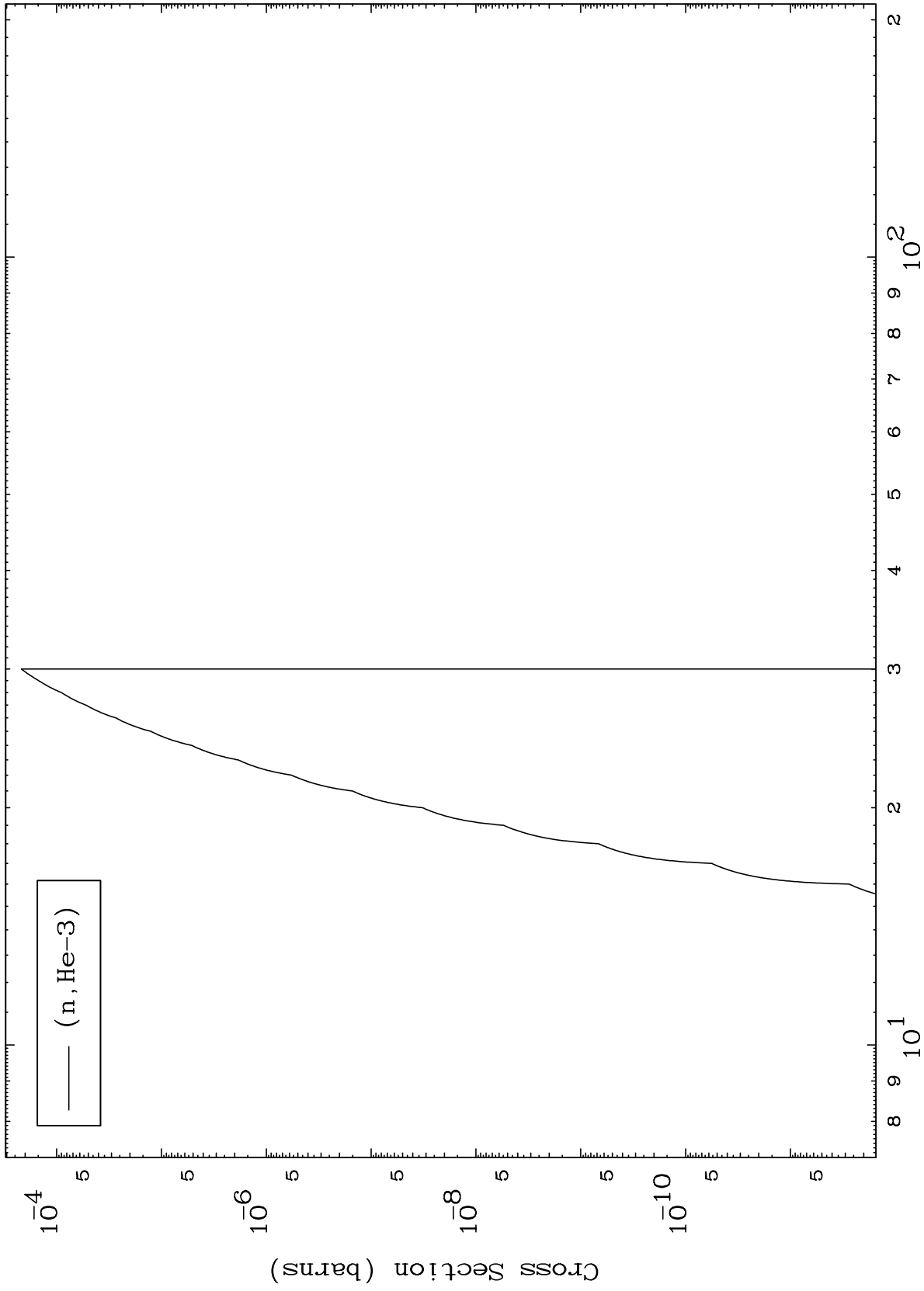
Incident Energy (MeV)

64-Gd-157

MAT 6440

(n,He3) Levels
293 Kelvin Cross Sections

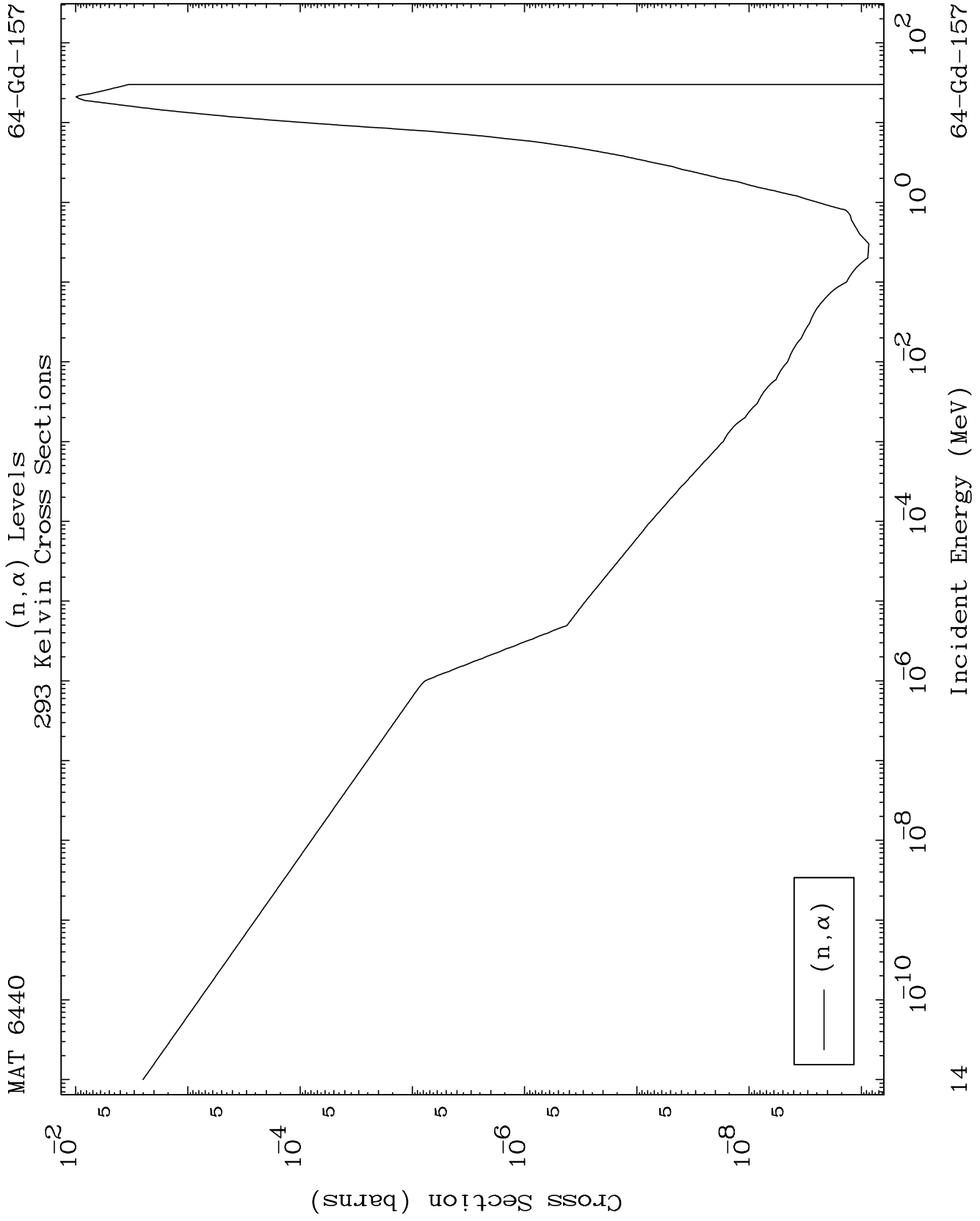
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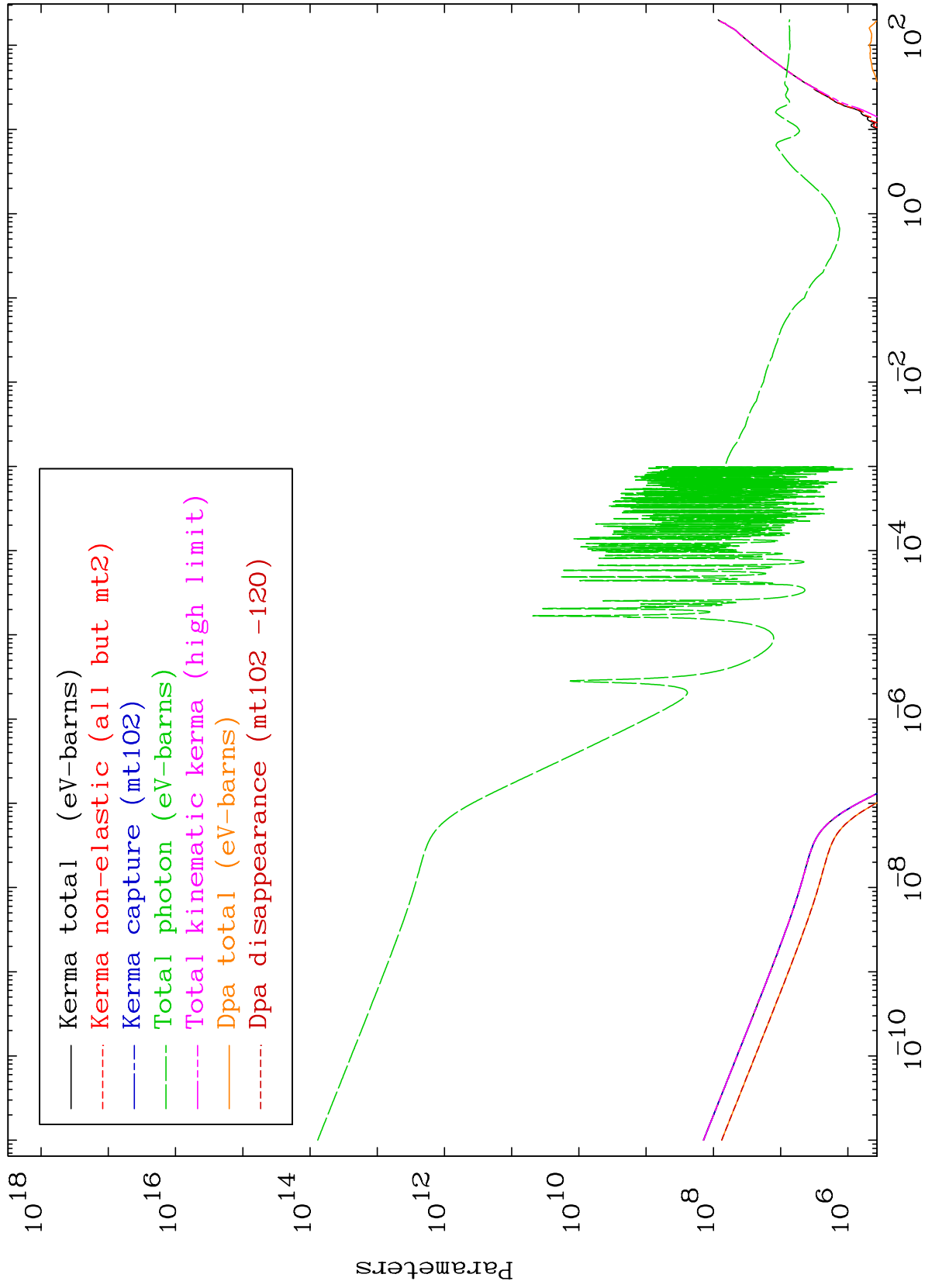


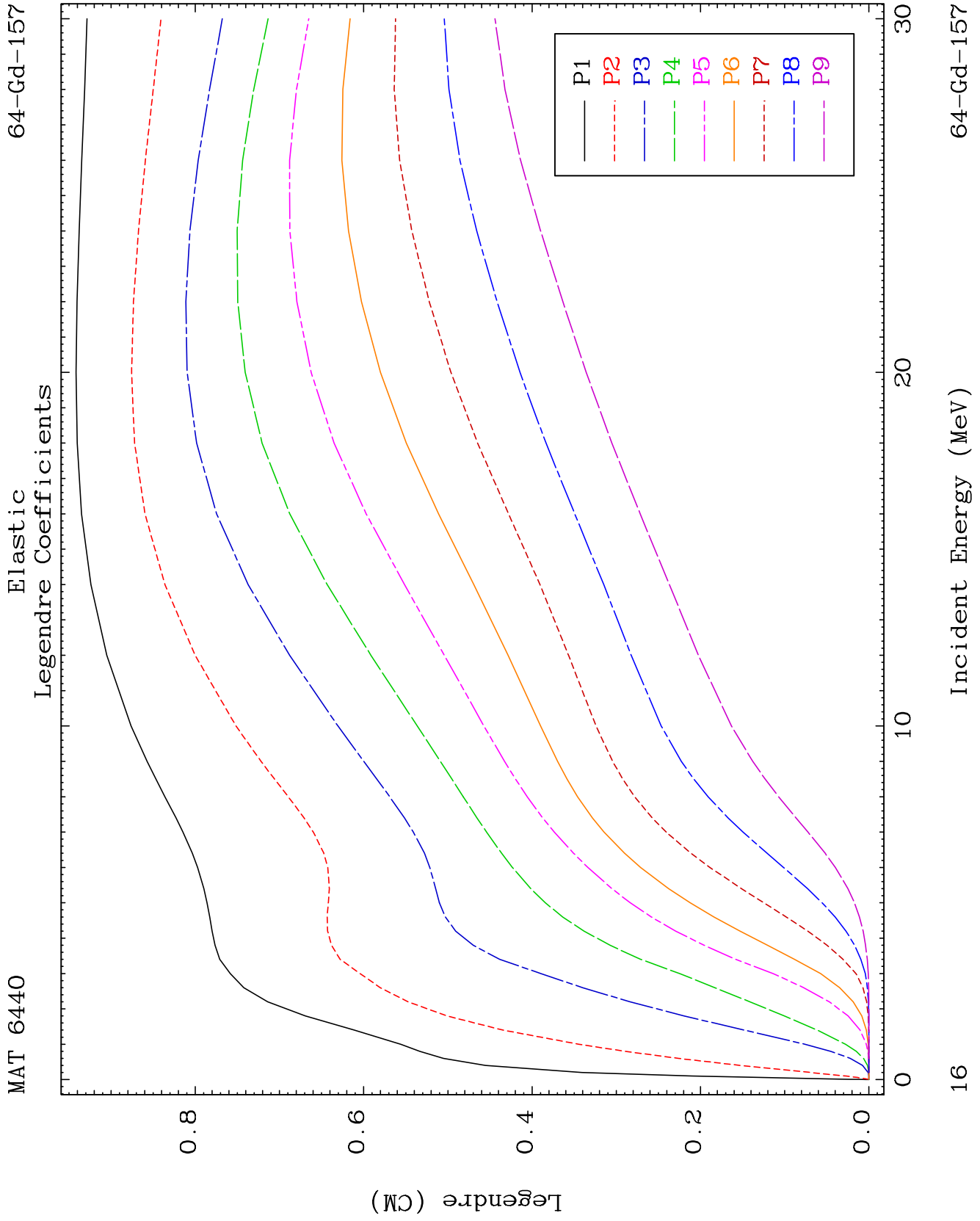
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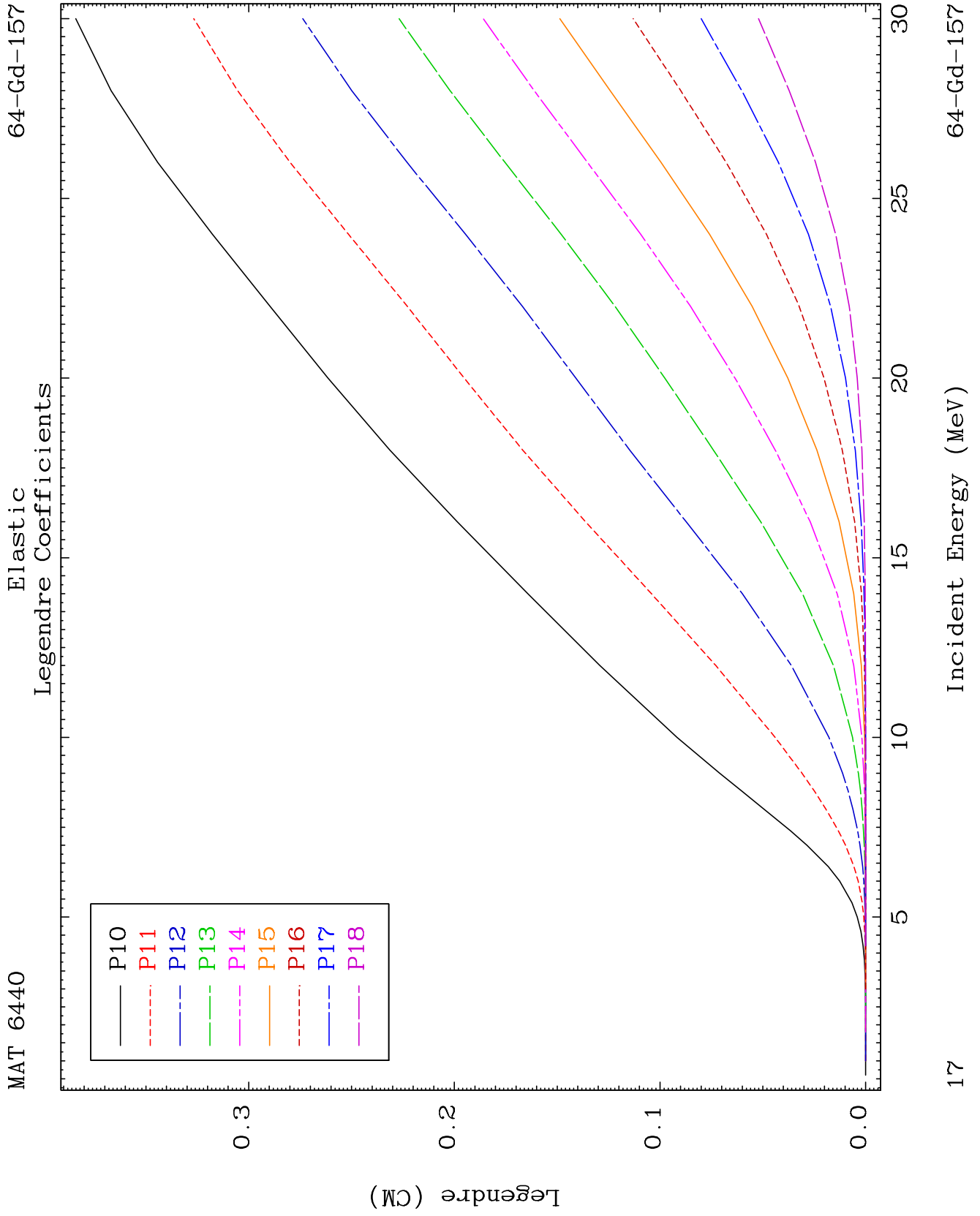
Incident Energy (MeV)

64-Gd-157





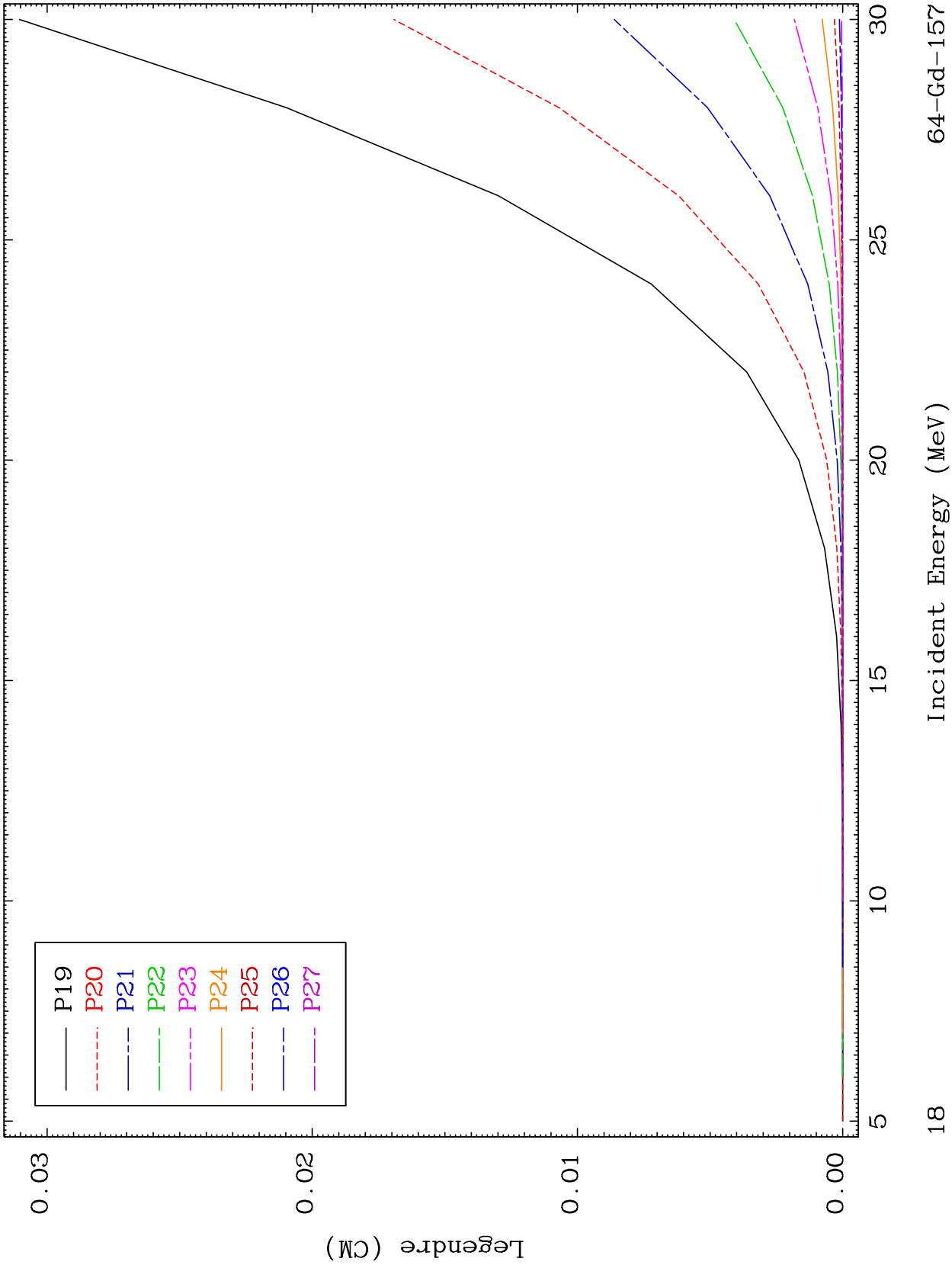




MAT 6440

Elastic Legendre Coefficients

64-Gd-157



18

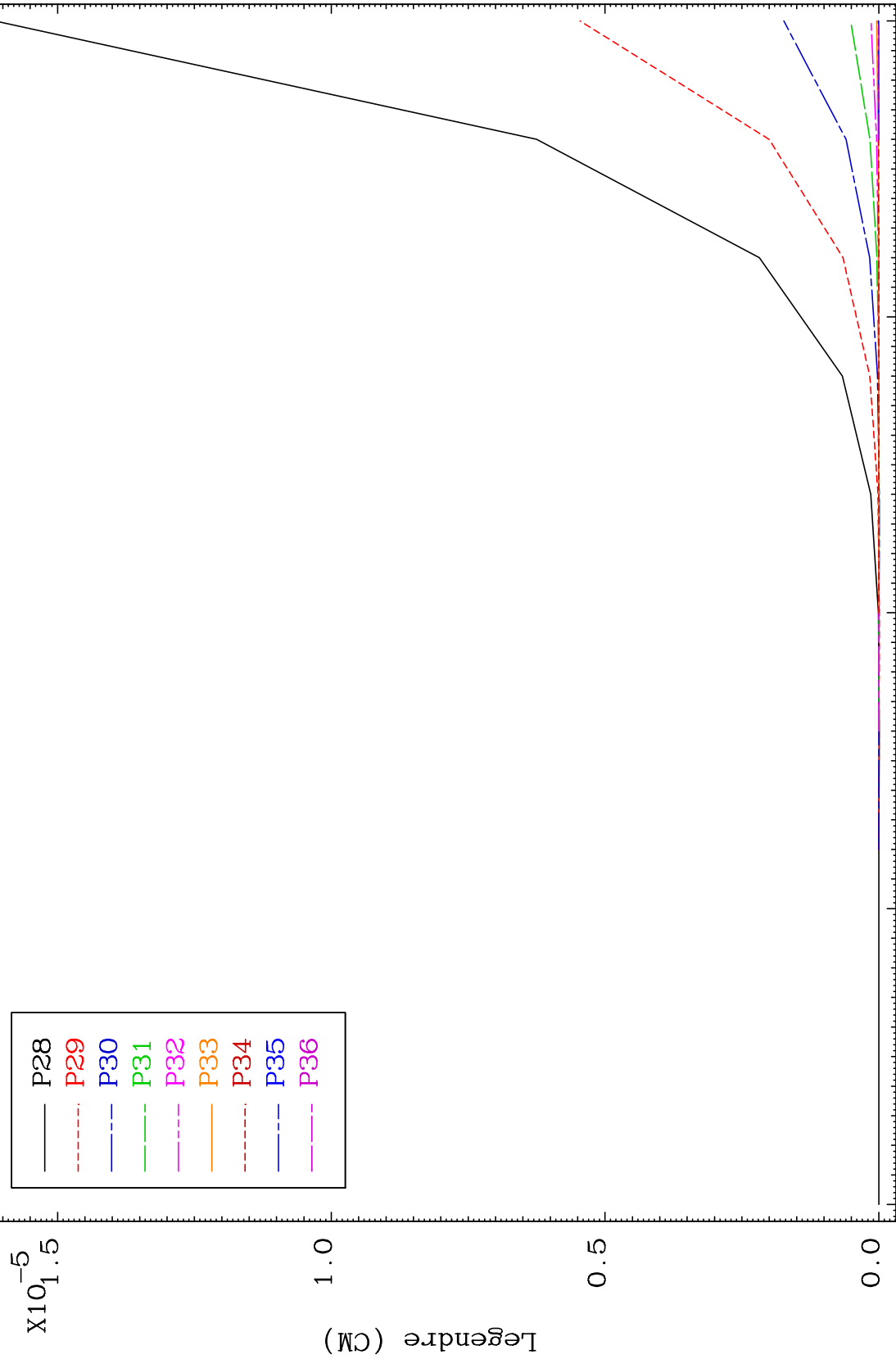
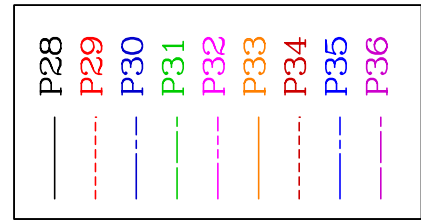
Incident Energy (MeV)

64-Gd-157

MAT 6440

Elastic Legendre Coefficients

64-Gd-157



19

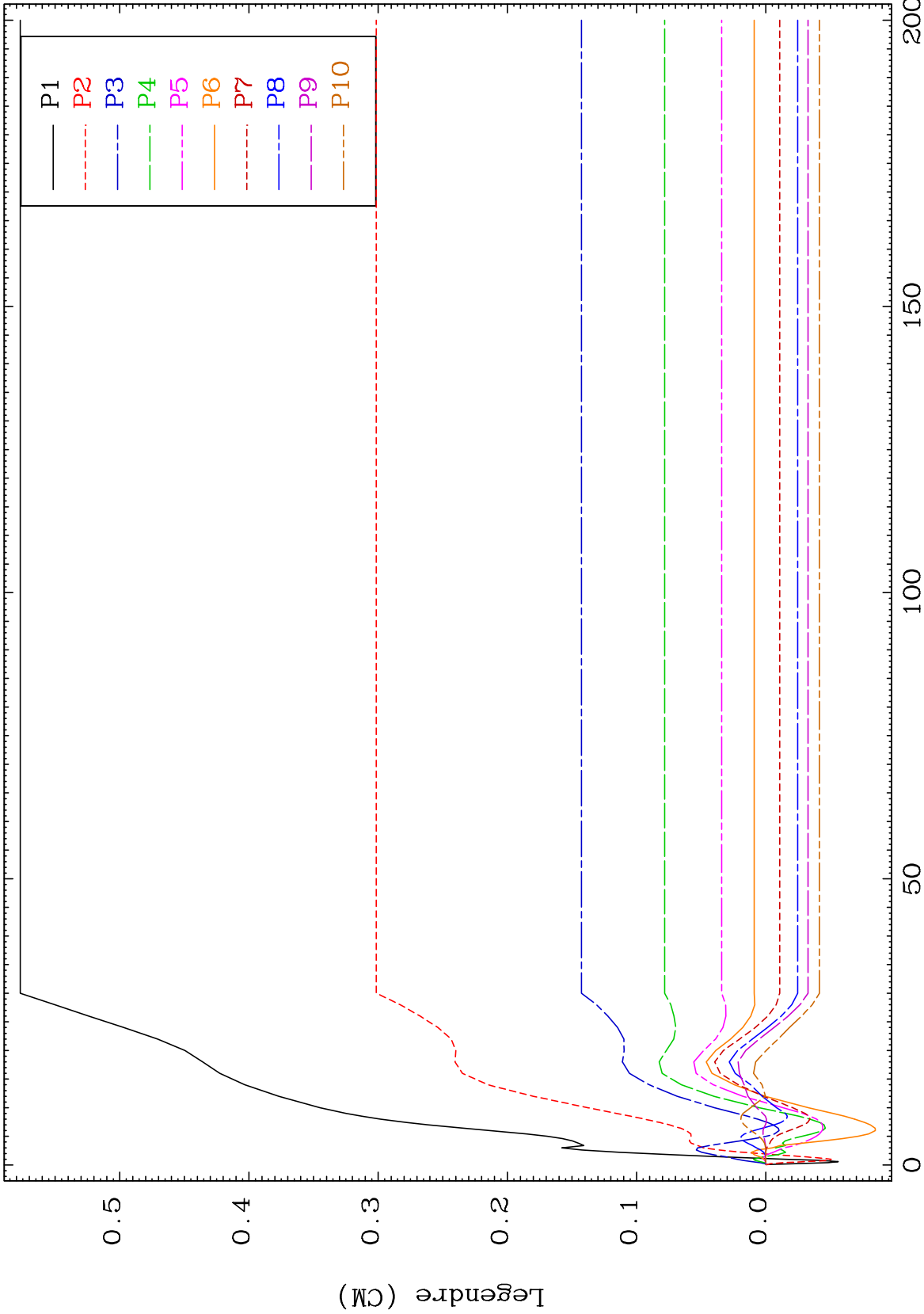
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



20

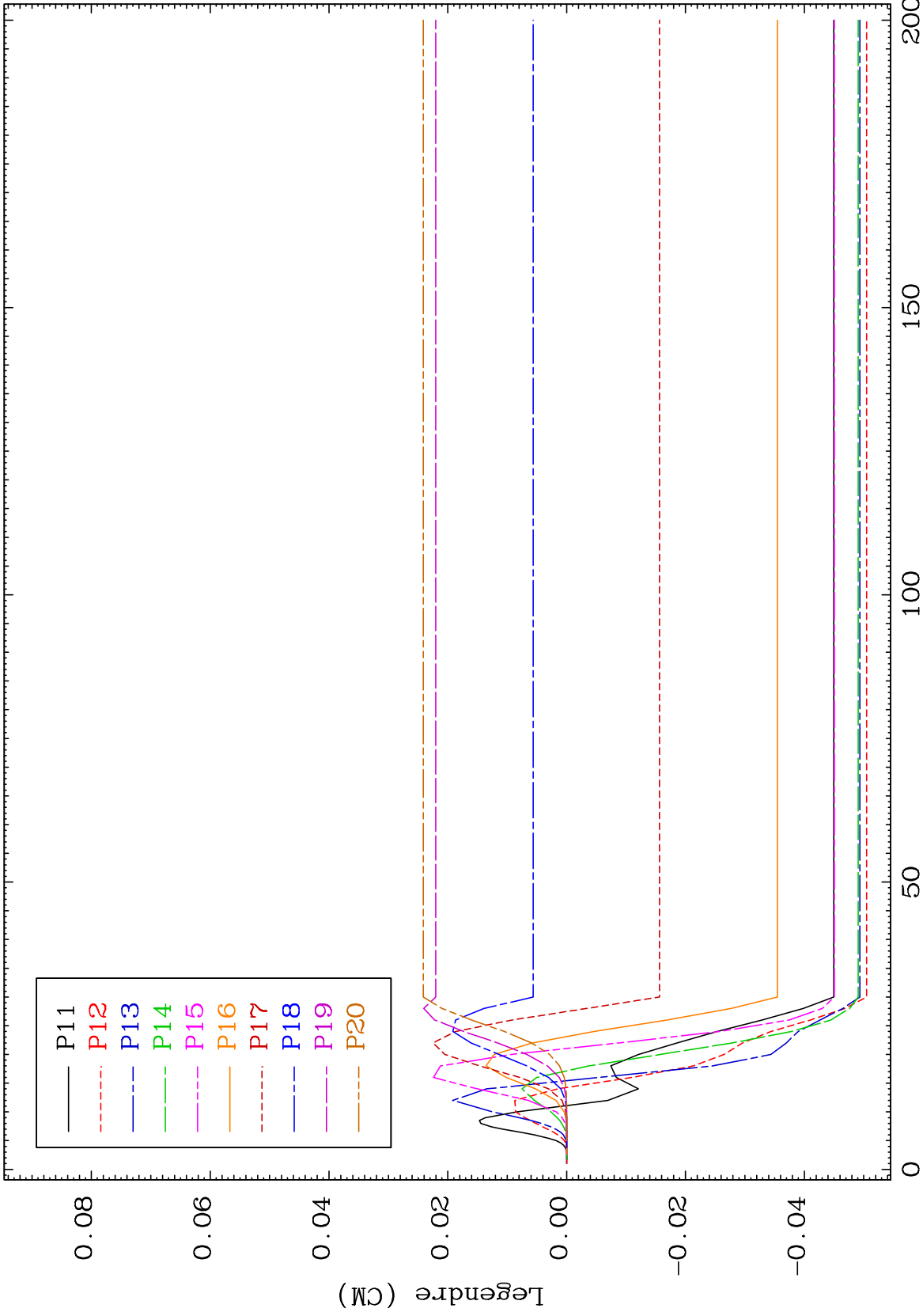
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



21

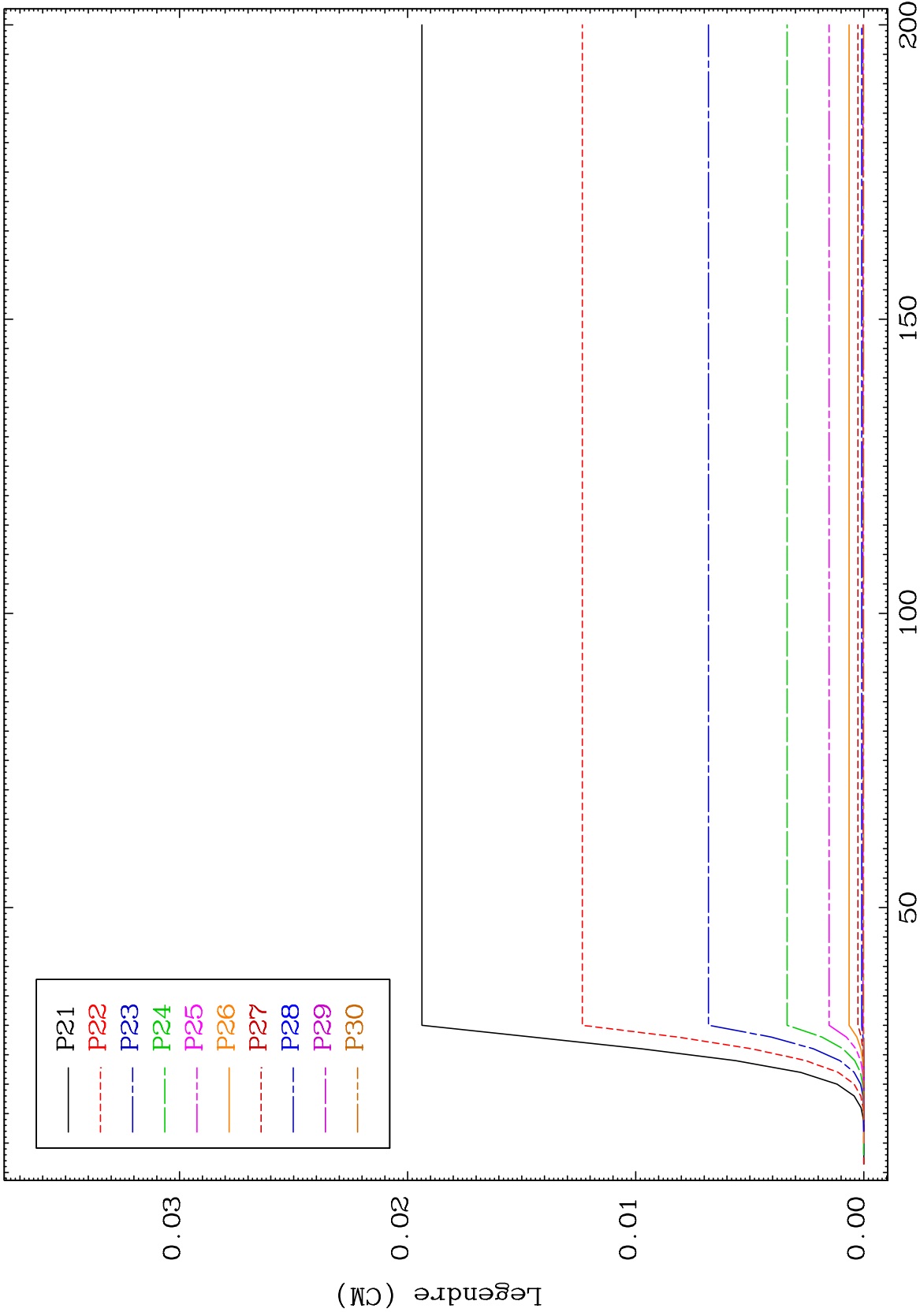
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



22

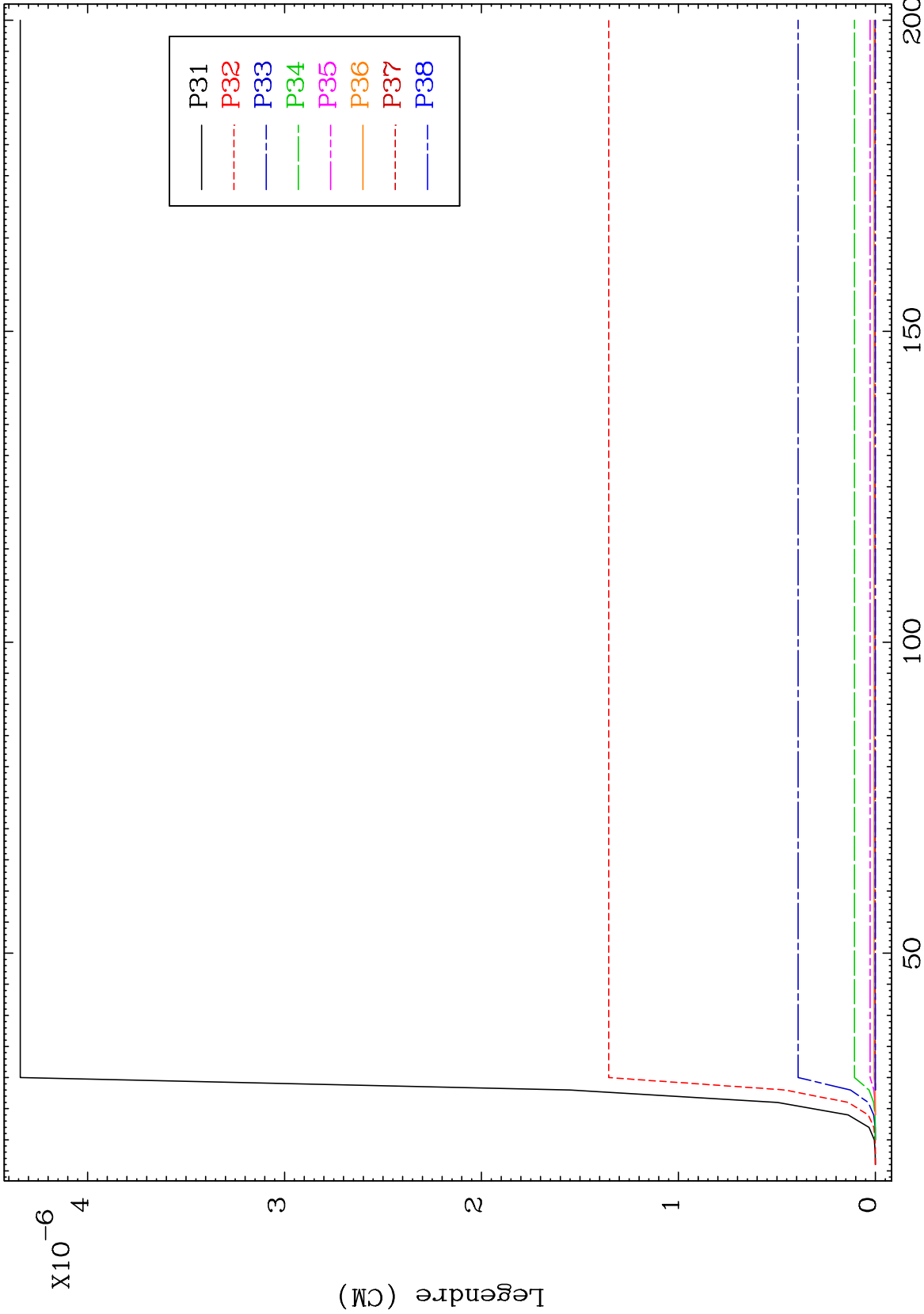
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157

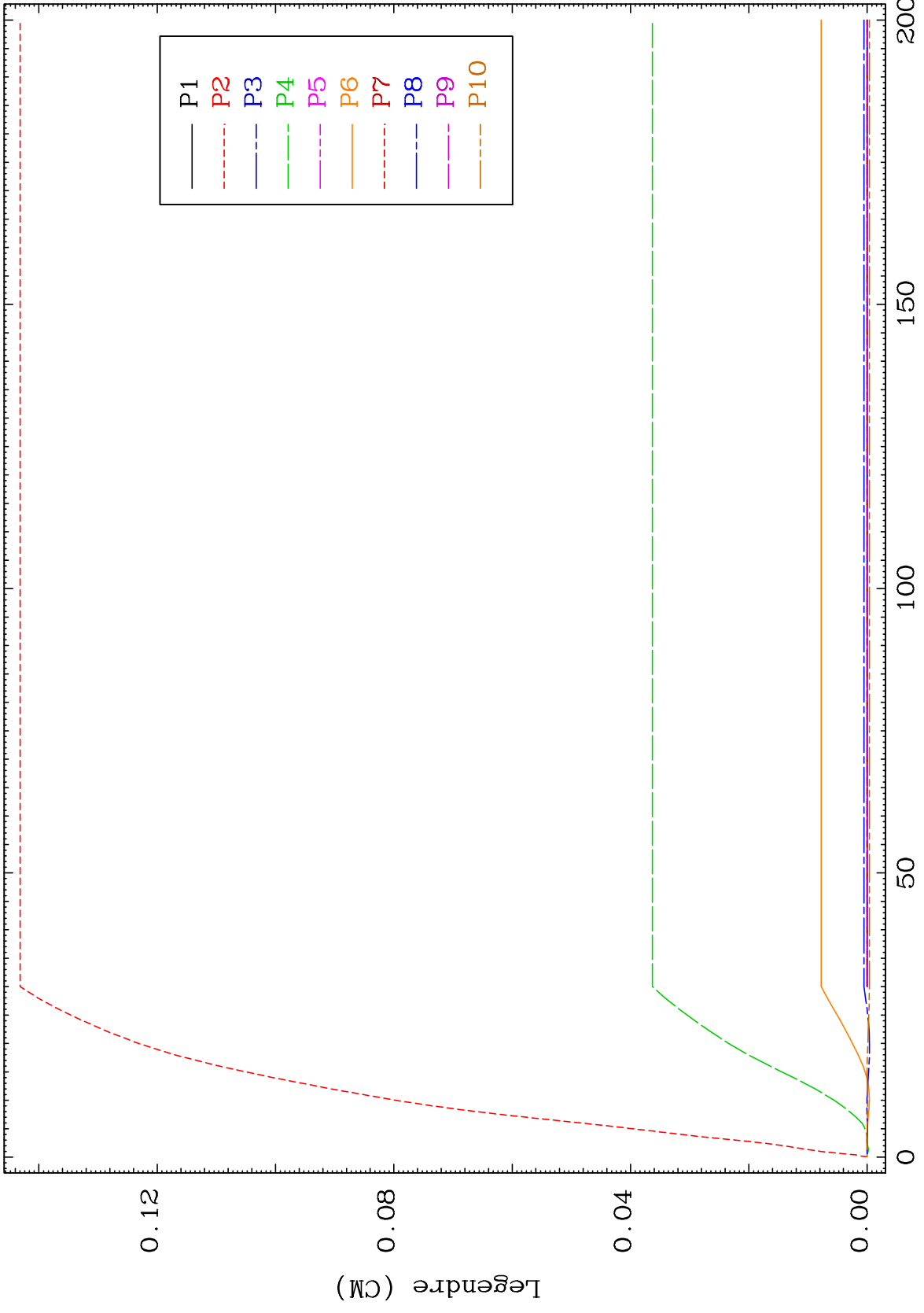


23

Incident Energy (MeV)

64-Gd-157

MAT 6440 MT= 52 (n,n') Level Legendre Coefficients 64-Gd-157

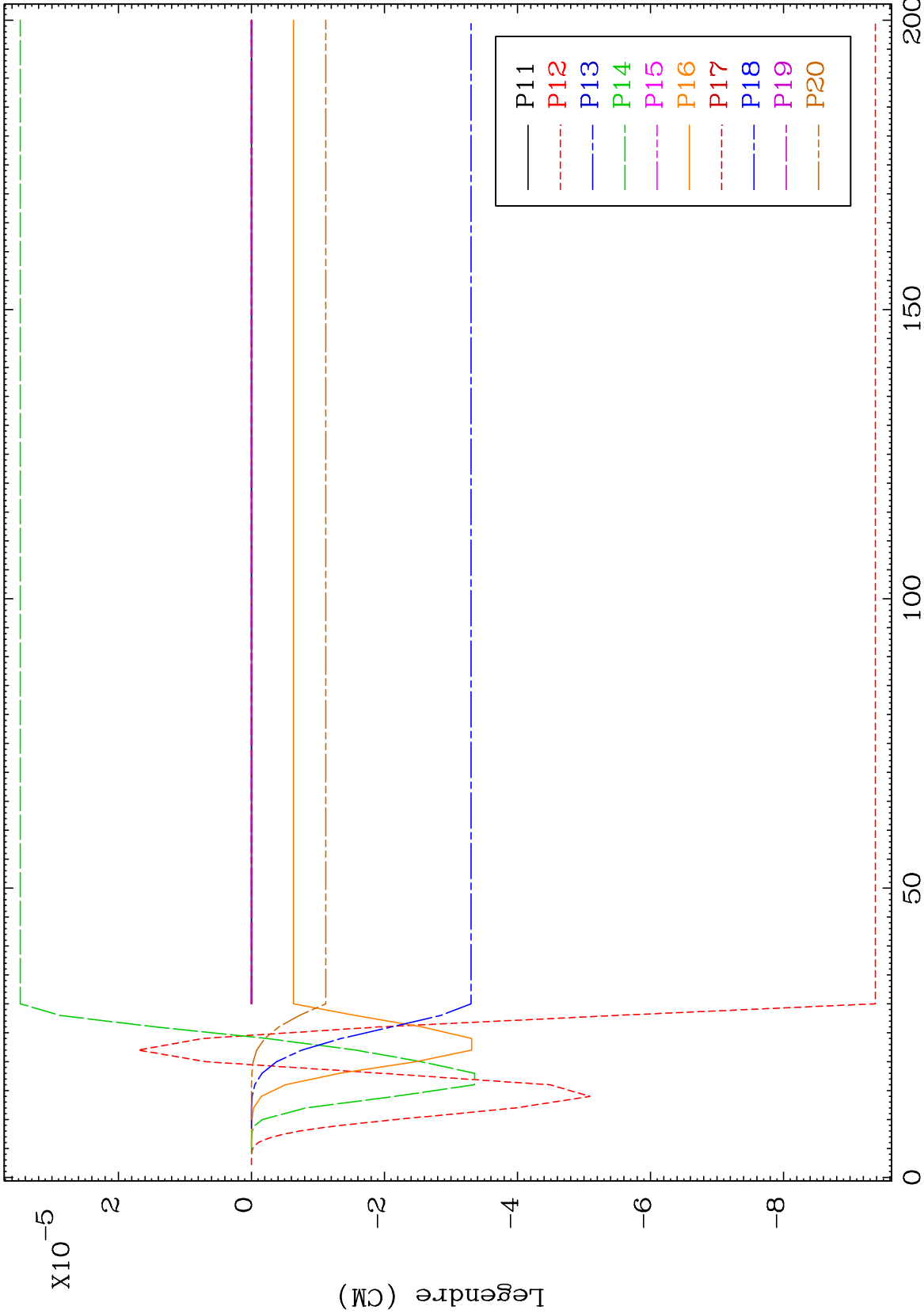


24 Incident Energy (MeV) 64-Gd-157

MAT 6440

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

64-Gd-157



25

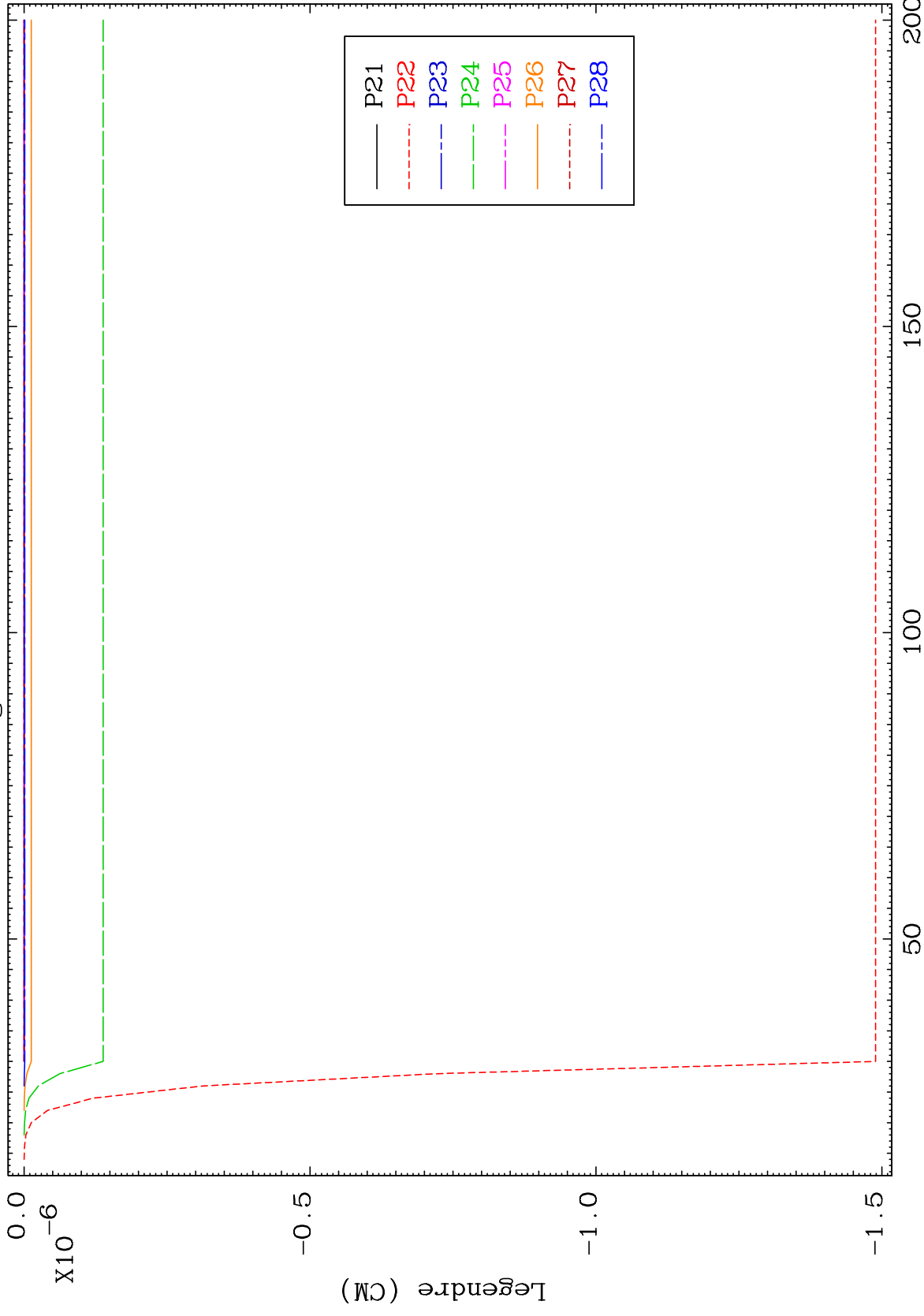
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157

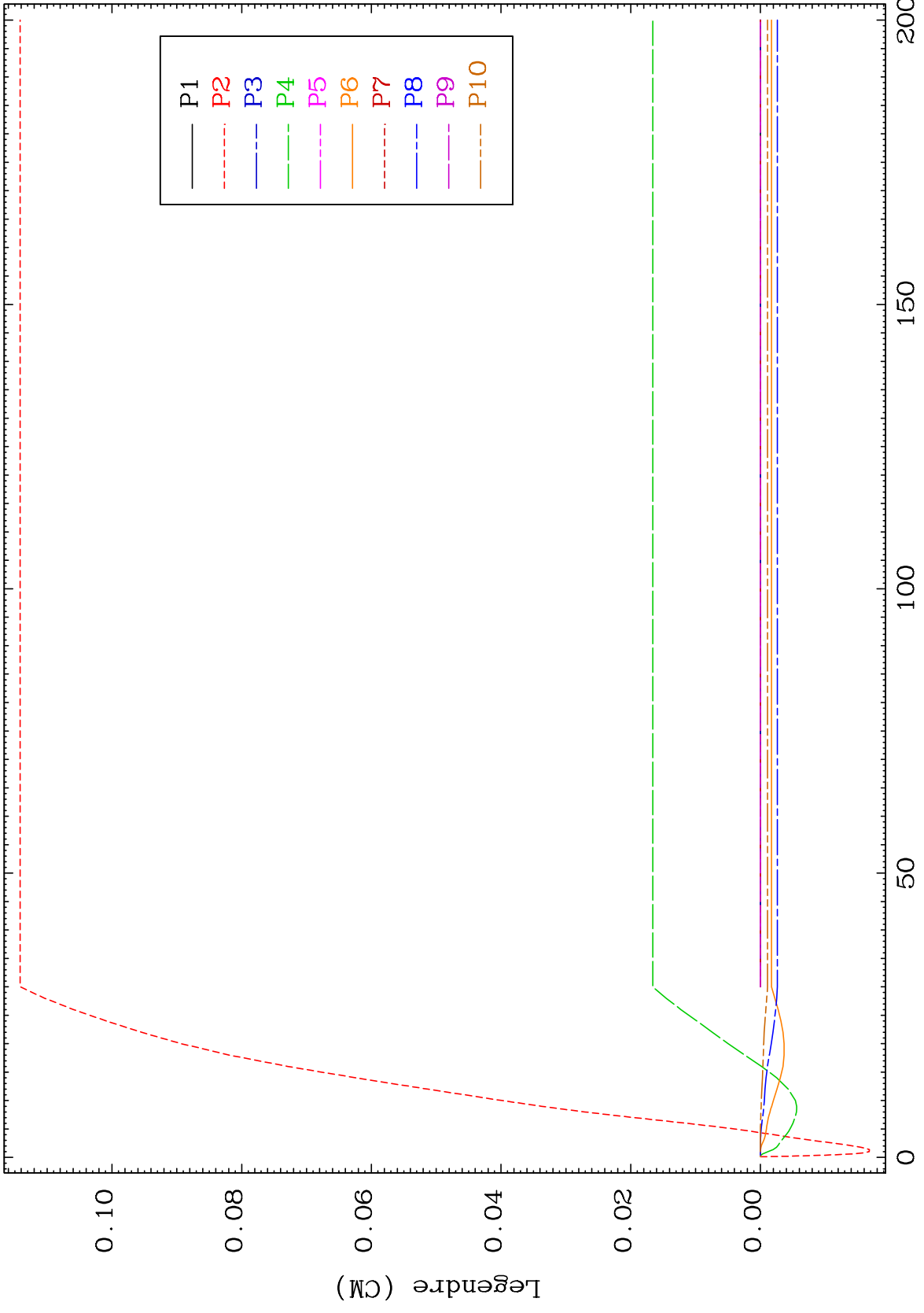


64-Gd-157

Incident Energy (MeV)

26

MAT 6440 MT= 53 (n,n') Level Legendre Coefficients 64-Gd-157

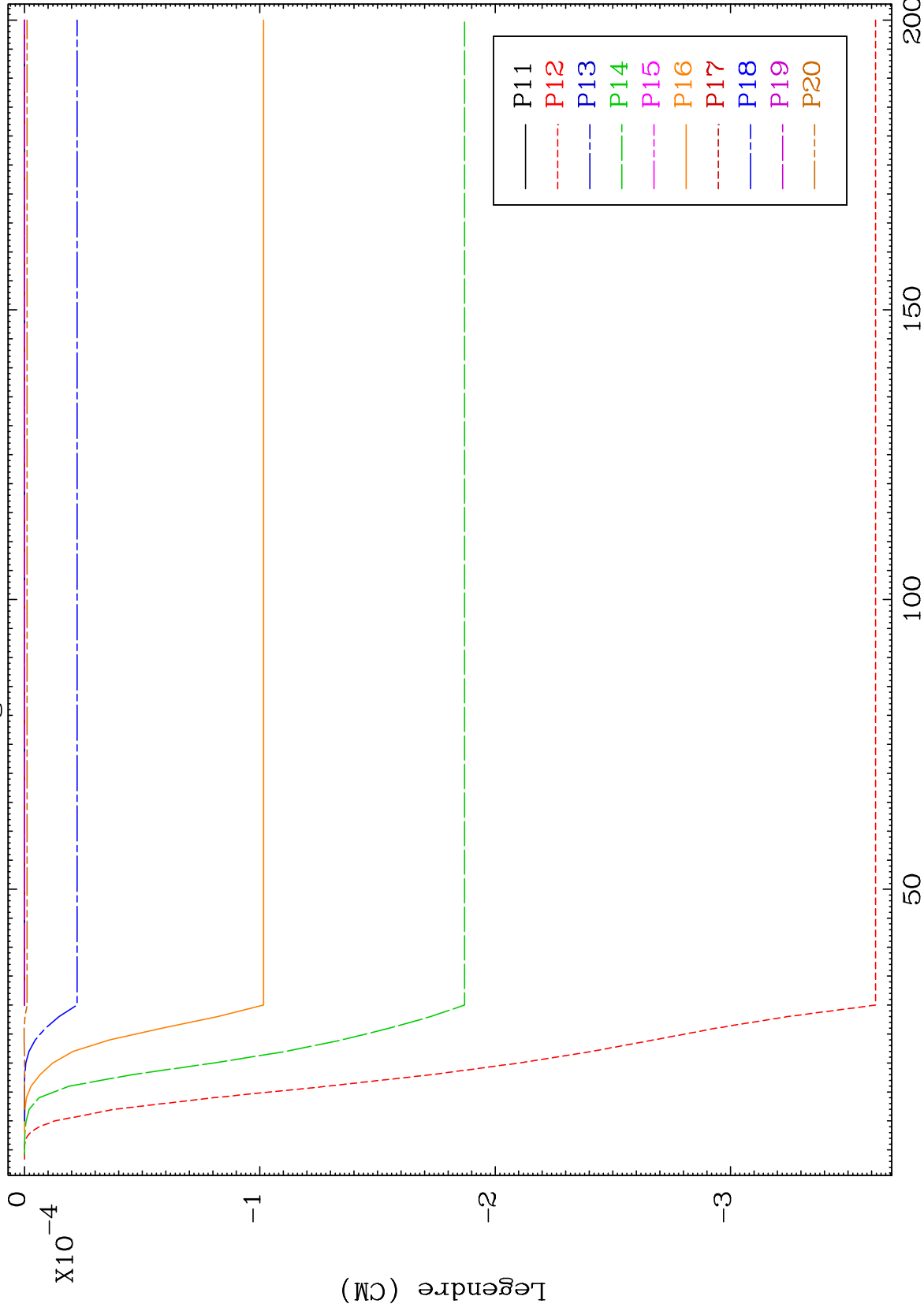


27 64-Gd-157

MAT 6440

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

64-Gd-157

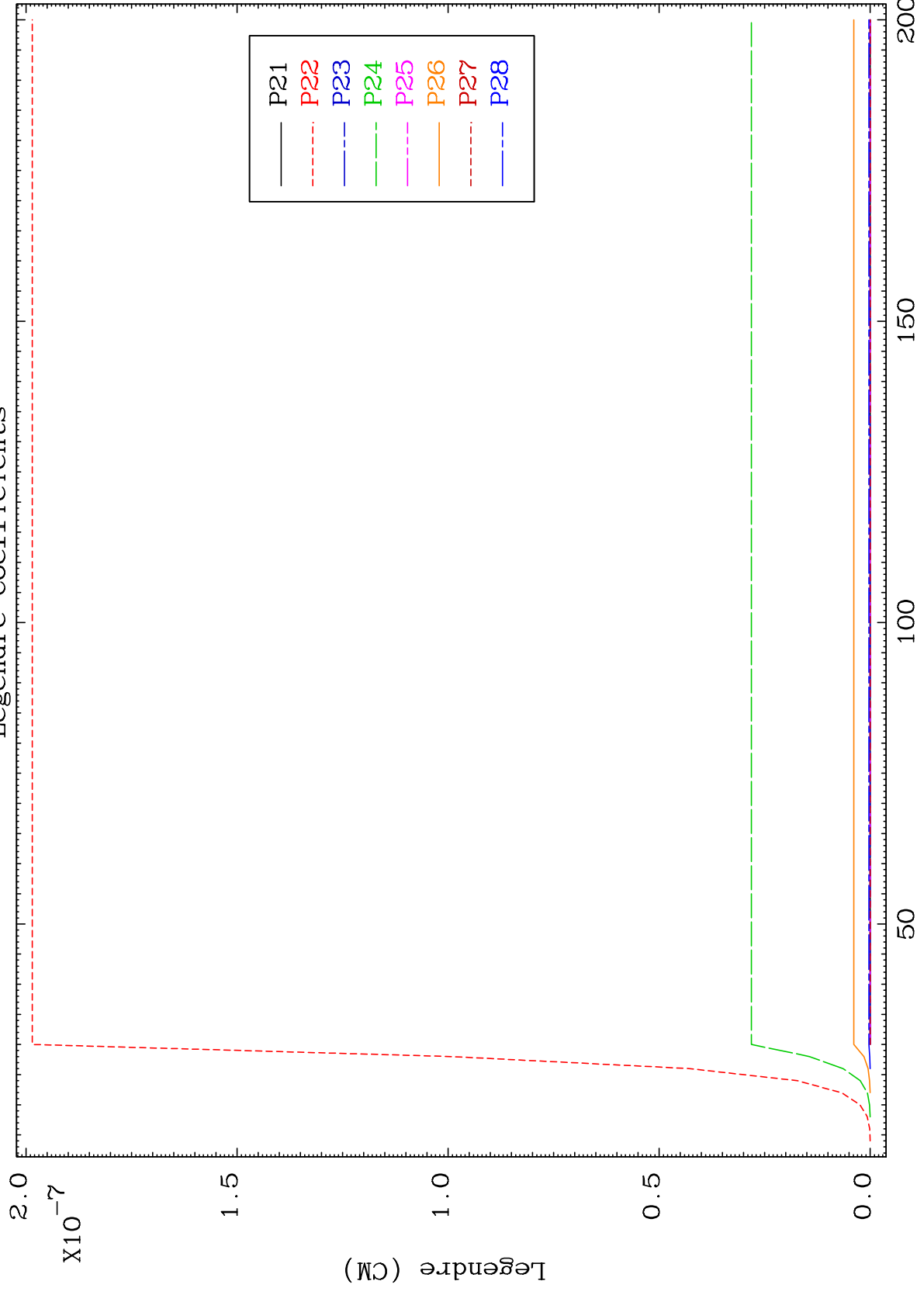


28

Incident Energy (MeV)

64-Gd-157

MAT 6440 MT= 53 (n,n') Level Legendre Coefficients 64-Gd-157

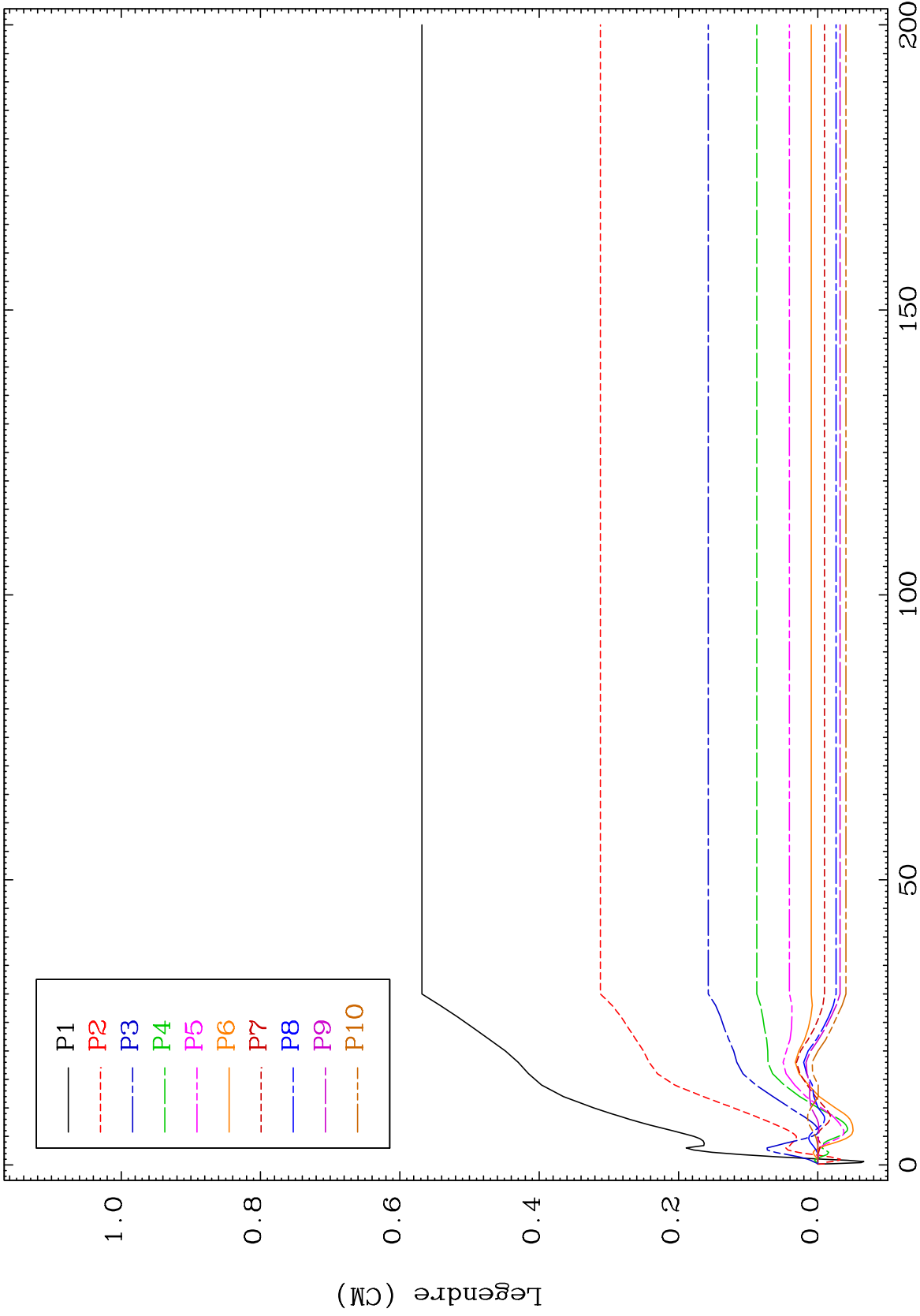


29 Incident Energy (MeV) 64-Gd-157

MAT 6440

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

64-Gd-157



30

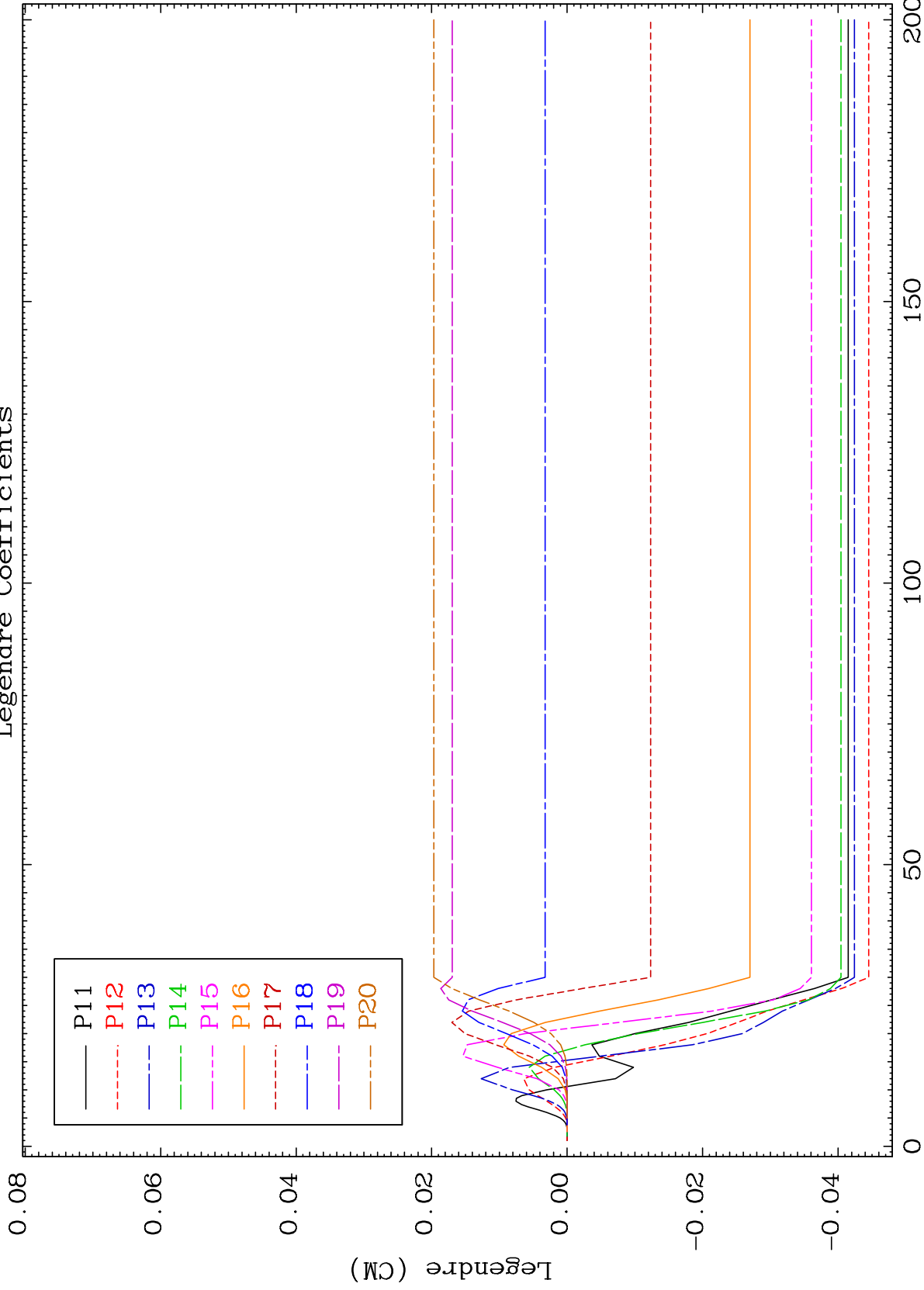
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



31

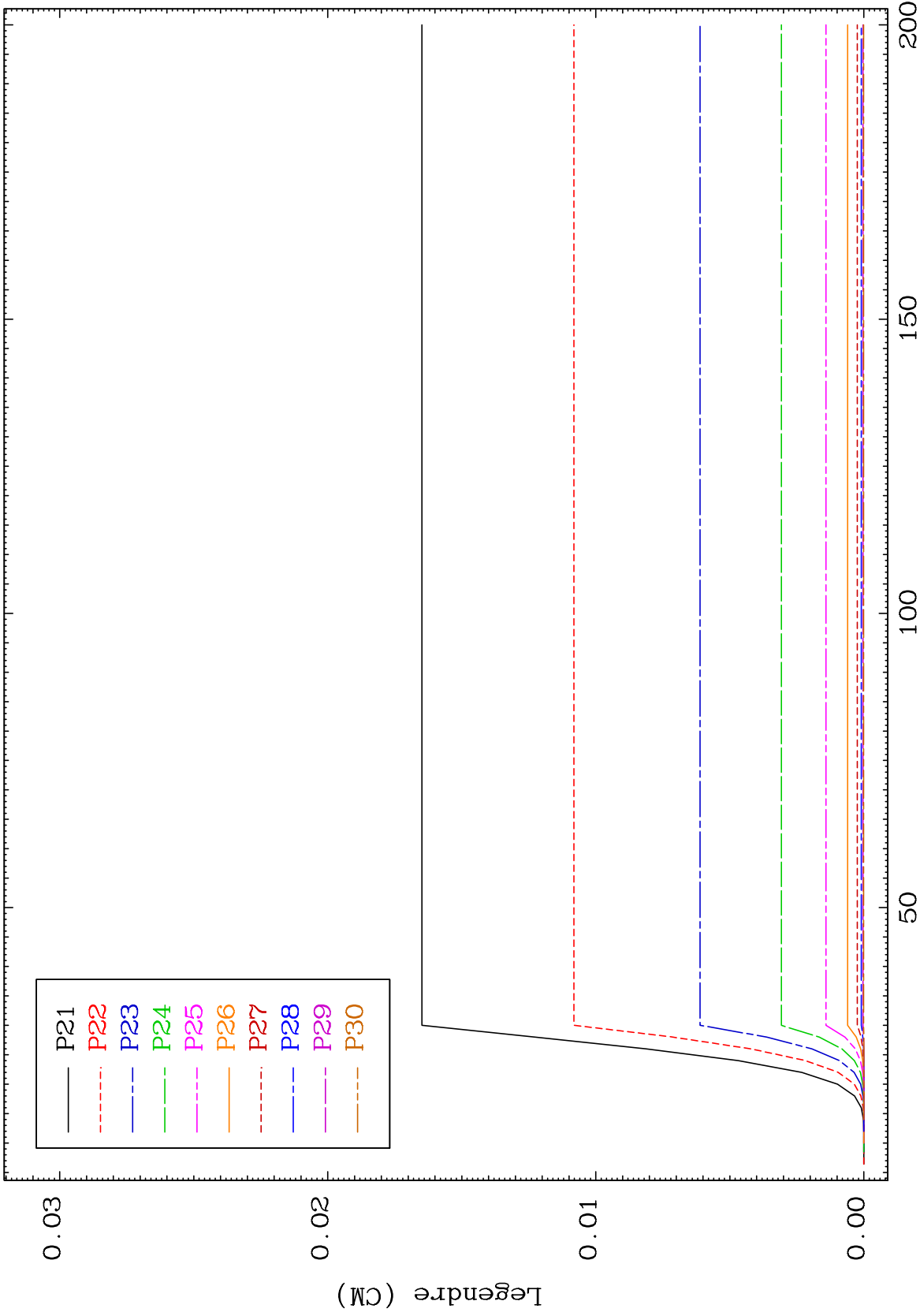
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



32

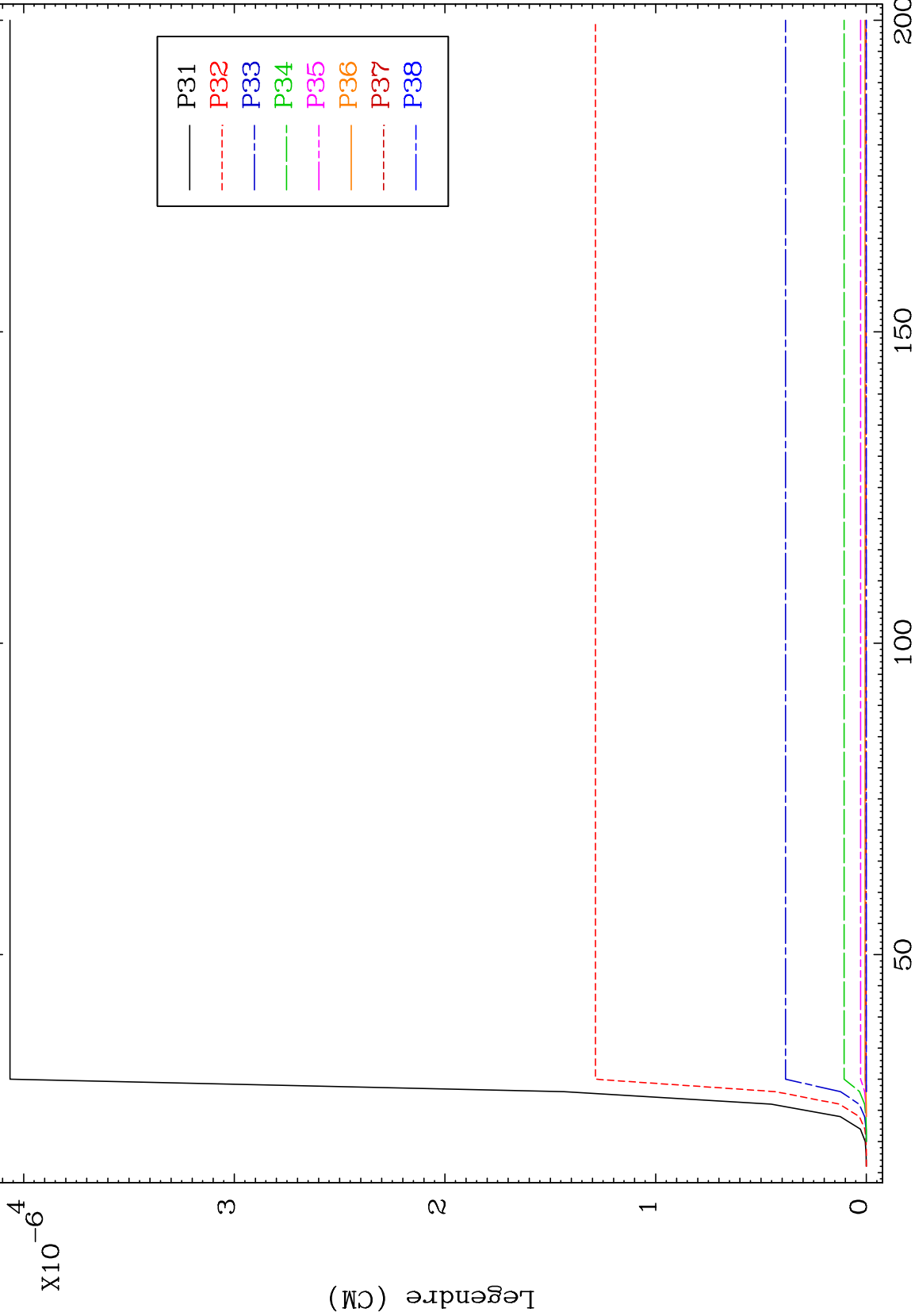
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

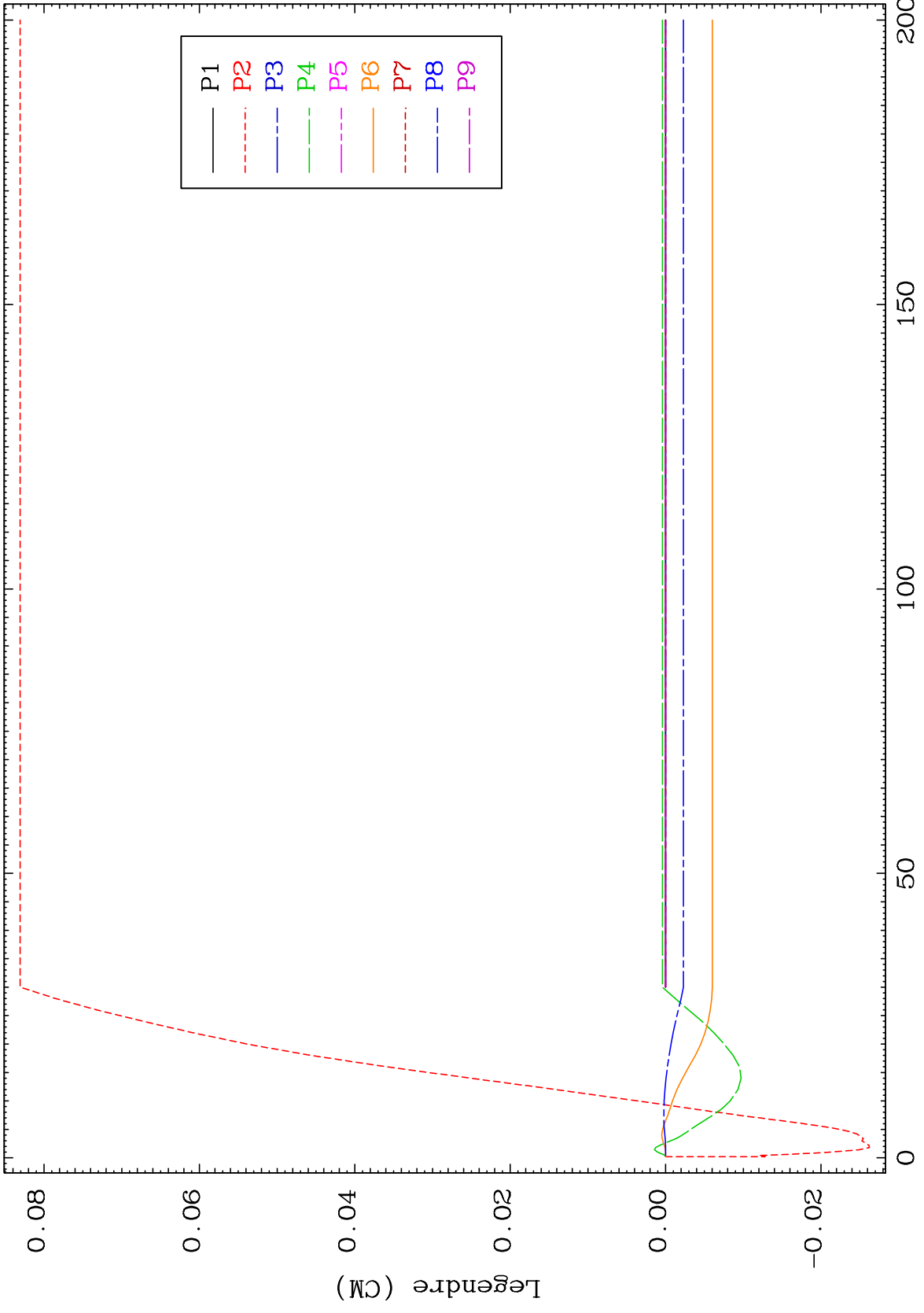
64-Gd-157



33

64-Gd-157

MAT 6440 MT= 55 (n,n') Level Legendre Coefficients 64-Gd-157

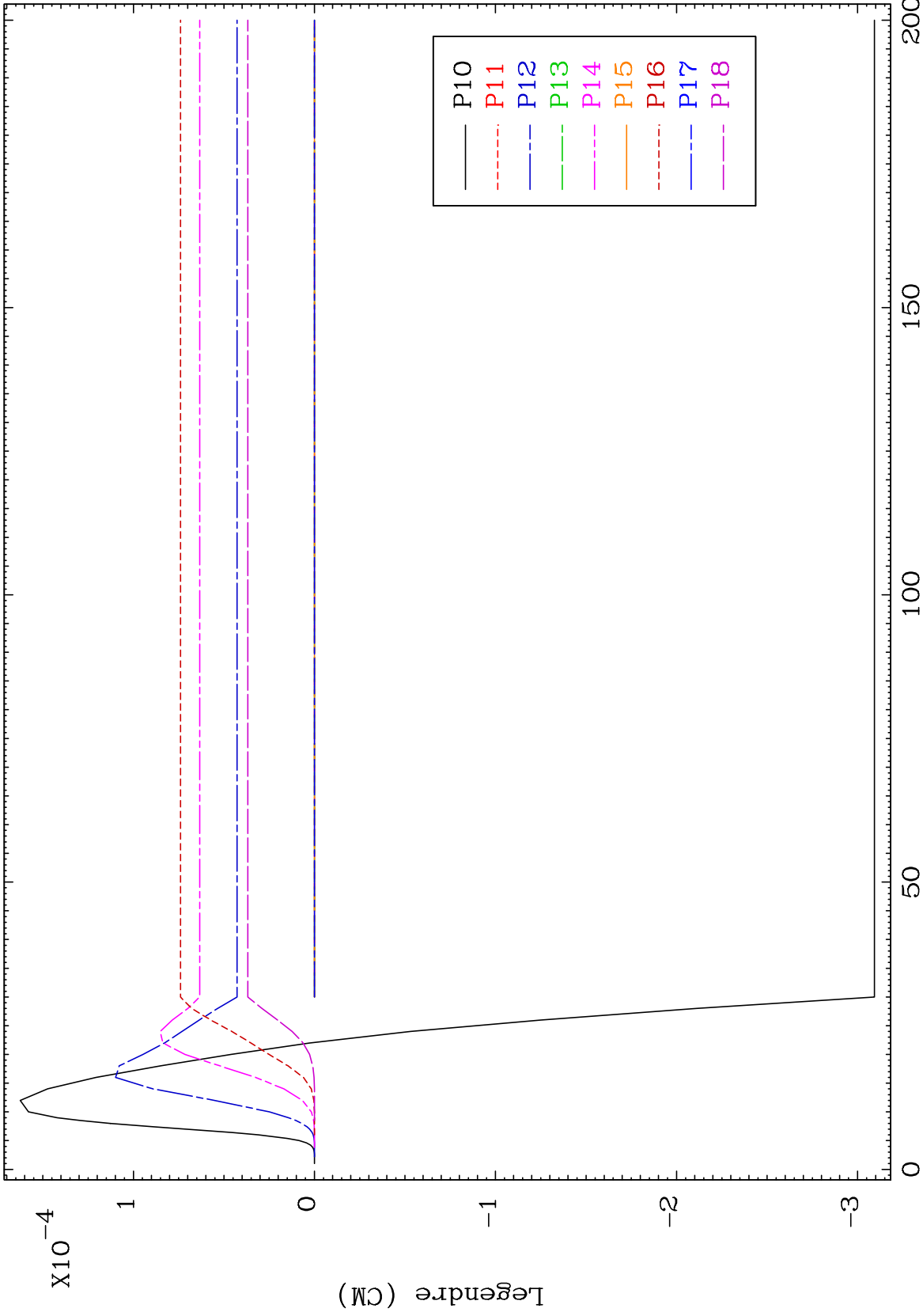


34 64-Gd-157

MAT 6440

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

64-Gd-157

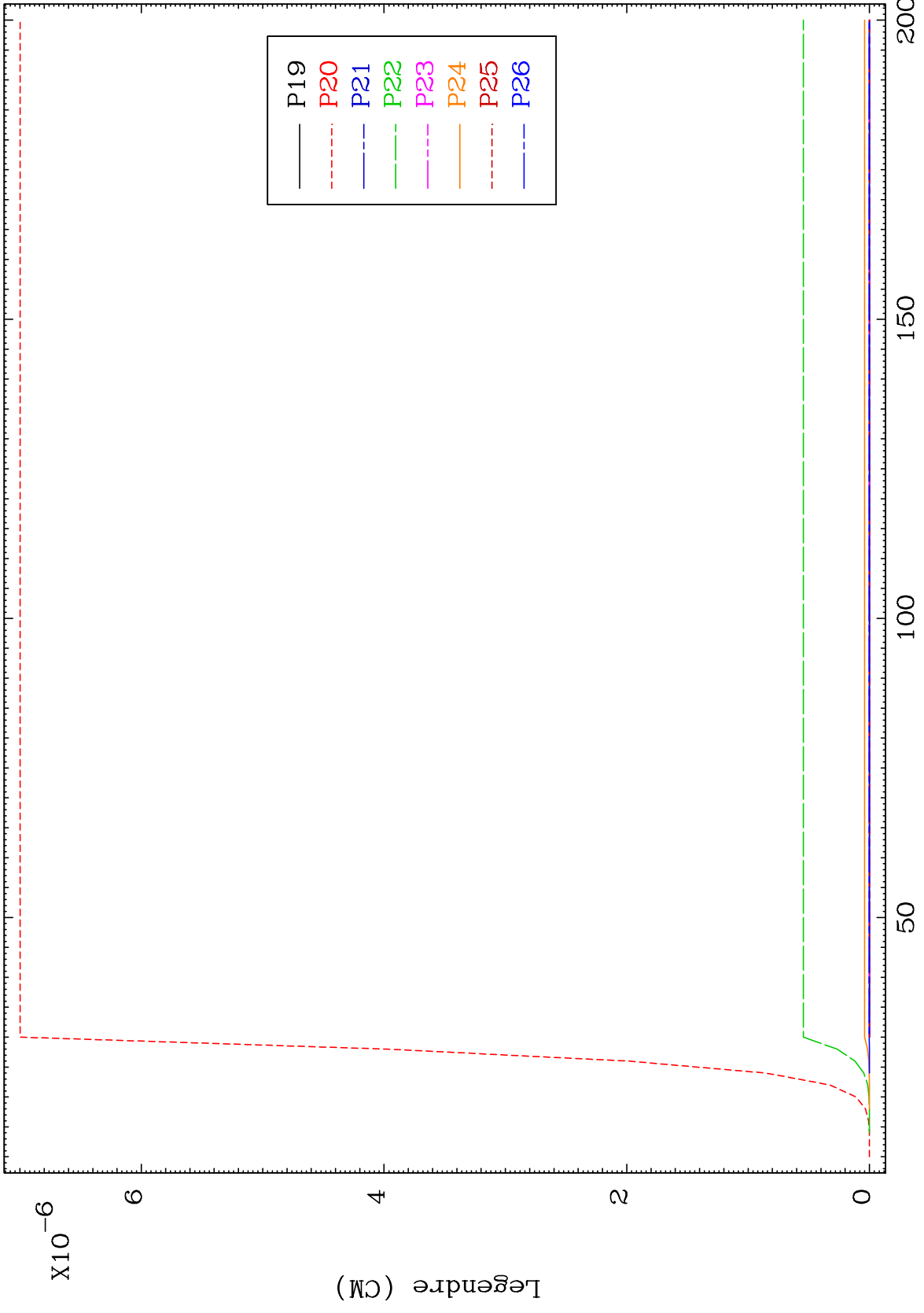


35

Incident Energy (MeV)

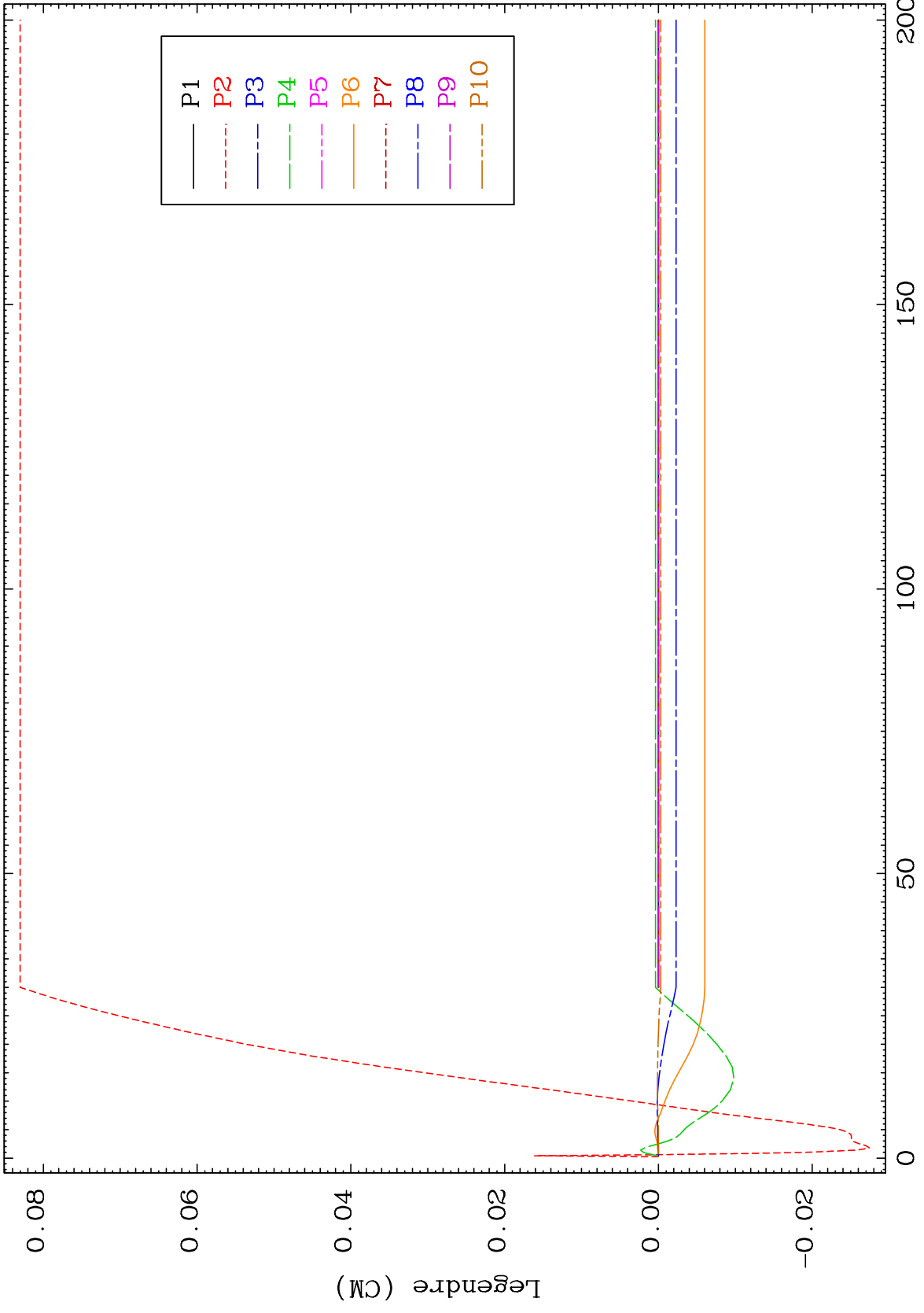
64-Gd-157

MAT 6440 MT= 55 (n,n') Level Legendre Coefficients 64-Gd-157



36 Incident Energy (MeV) 64-Gd-157

MAT 6440 MT= 56 (n,n') Level Legendre Coefficients 64-Gd-157

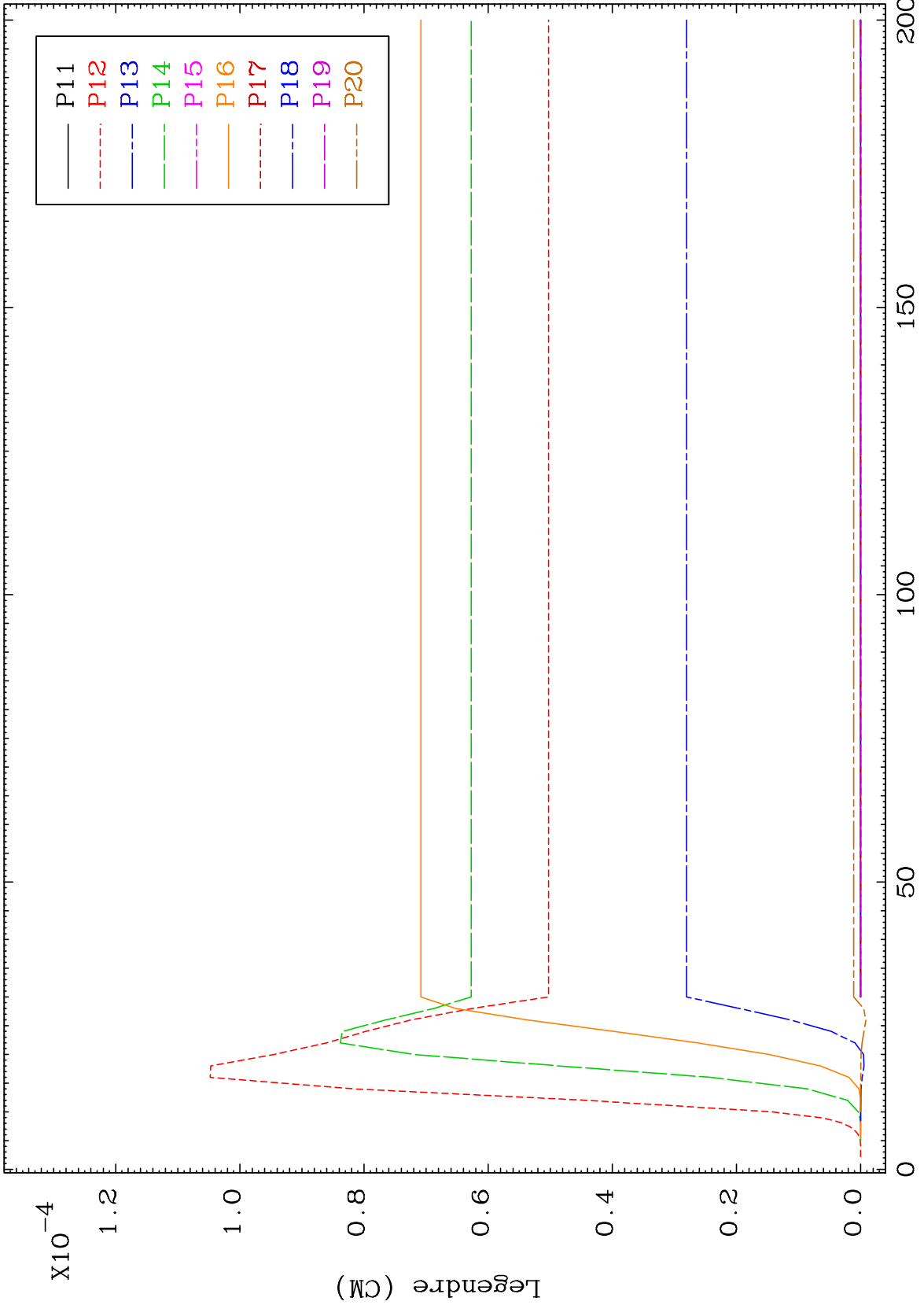


37 64-Gd-157

MAT 6440

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

64-Gd-157



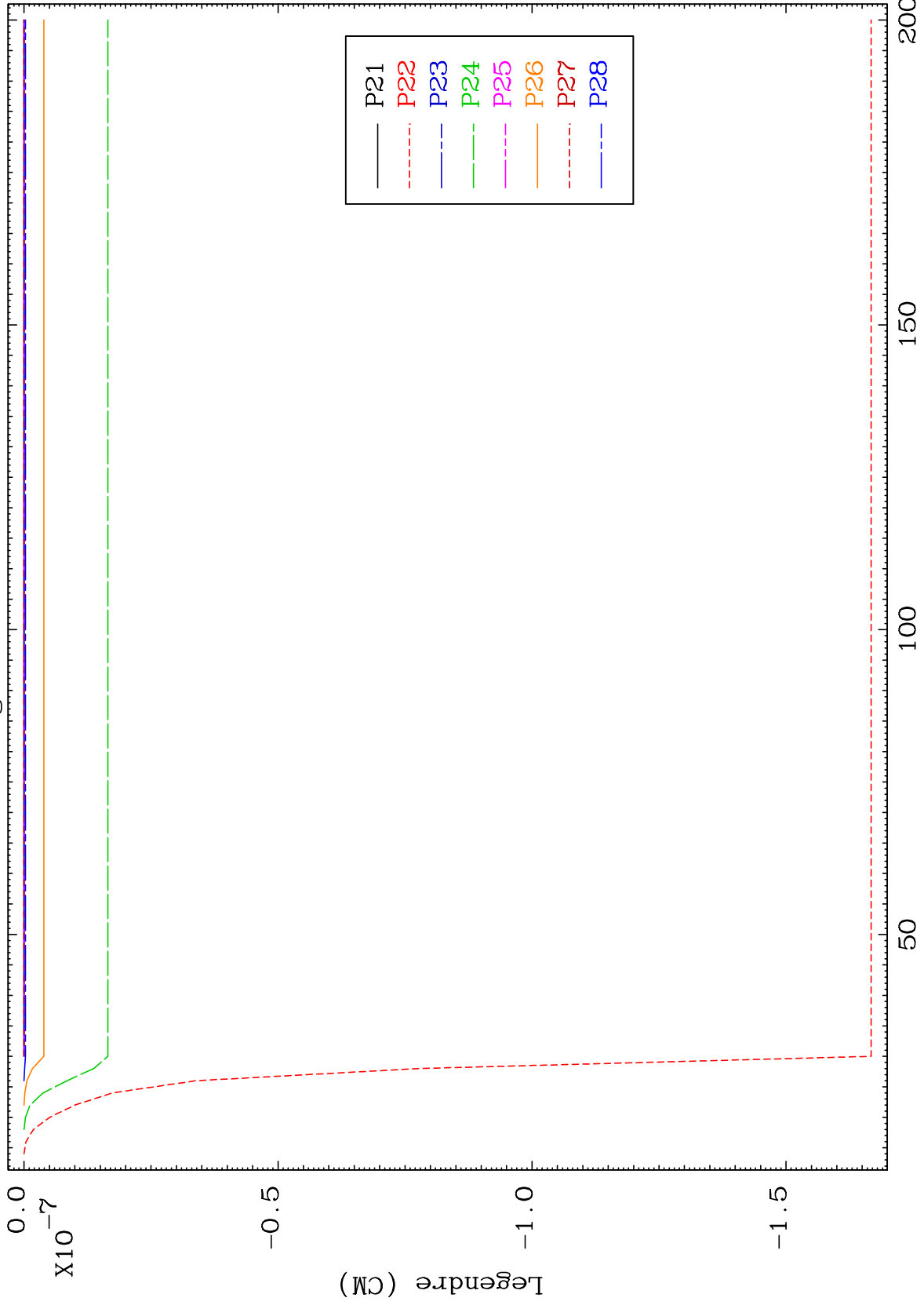
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64-Gd-157

MAT 6440

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

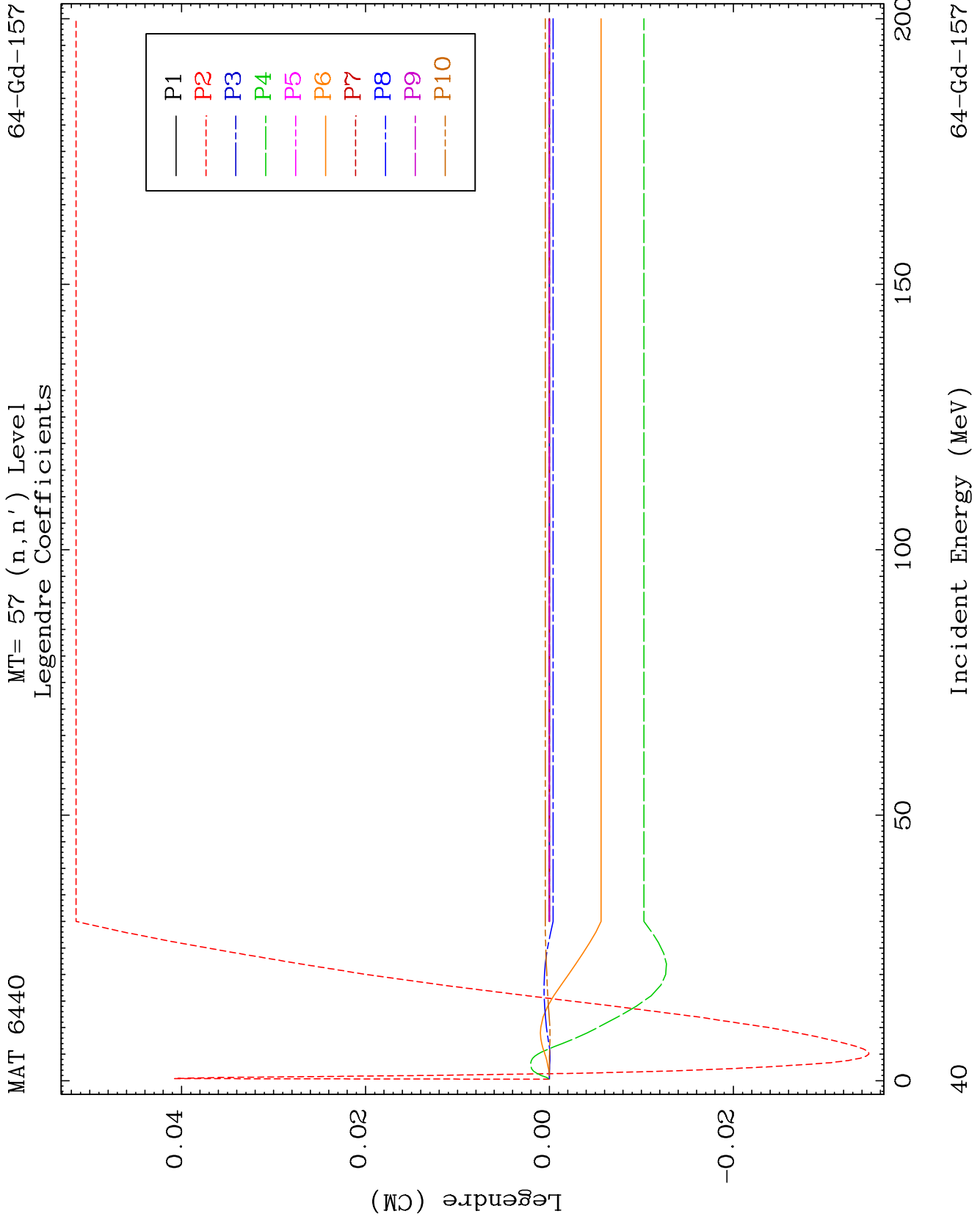
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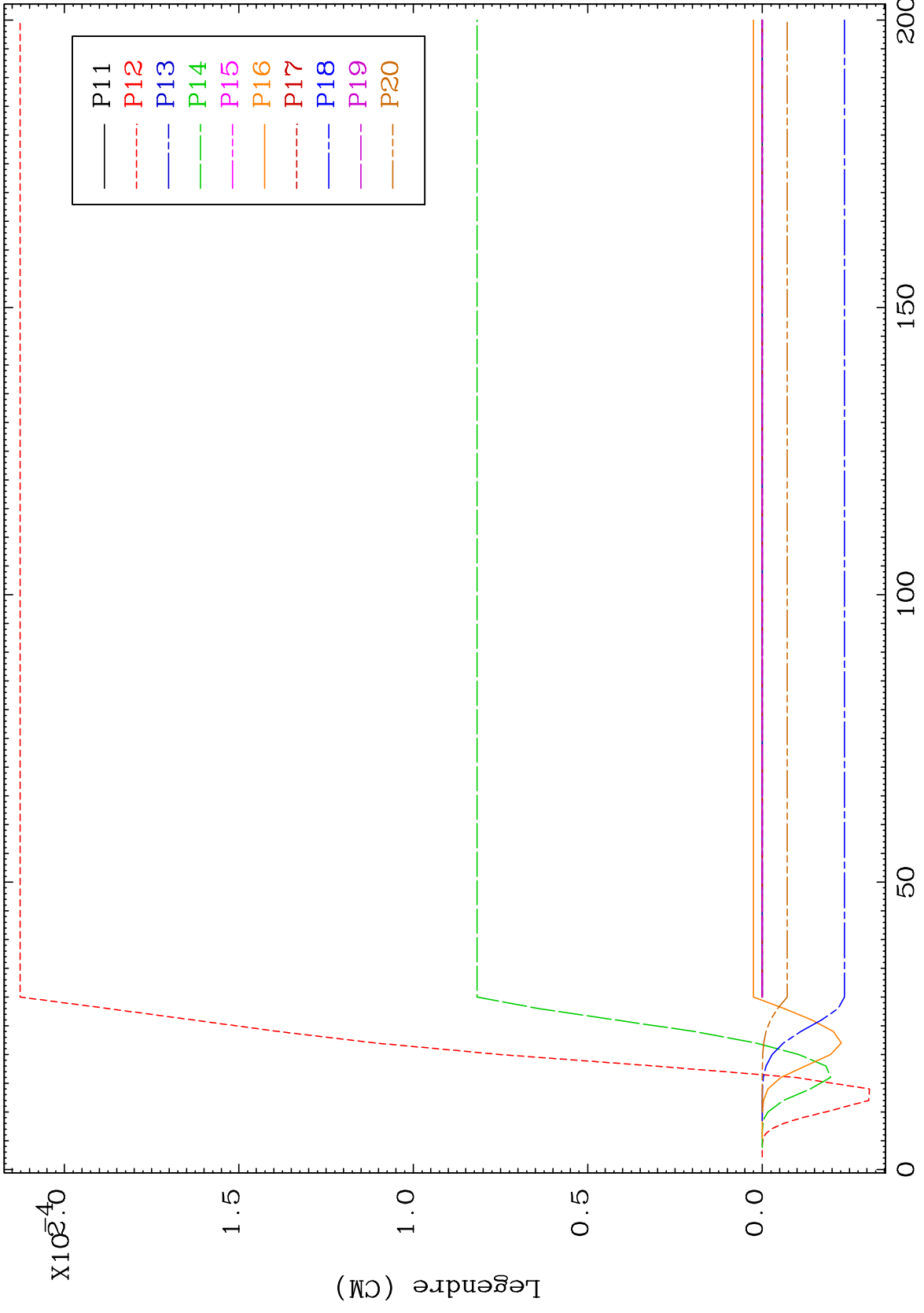
64-Gd-157

Incident Energy (MeV)

39



MAT 6440 MT= 57 (n,n') Level Legendre Coefficients 64-Gd-157



41 64-Gd-157

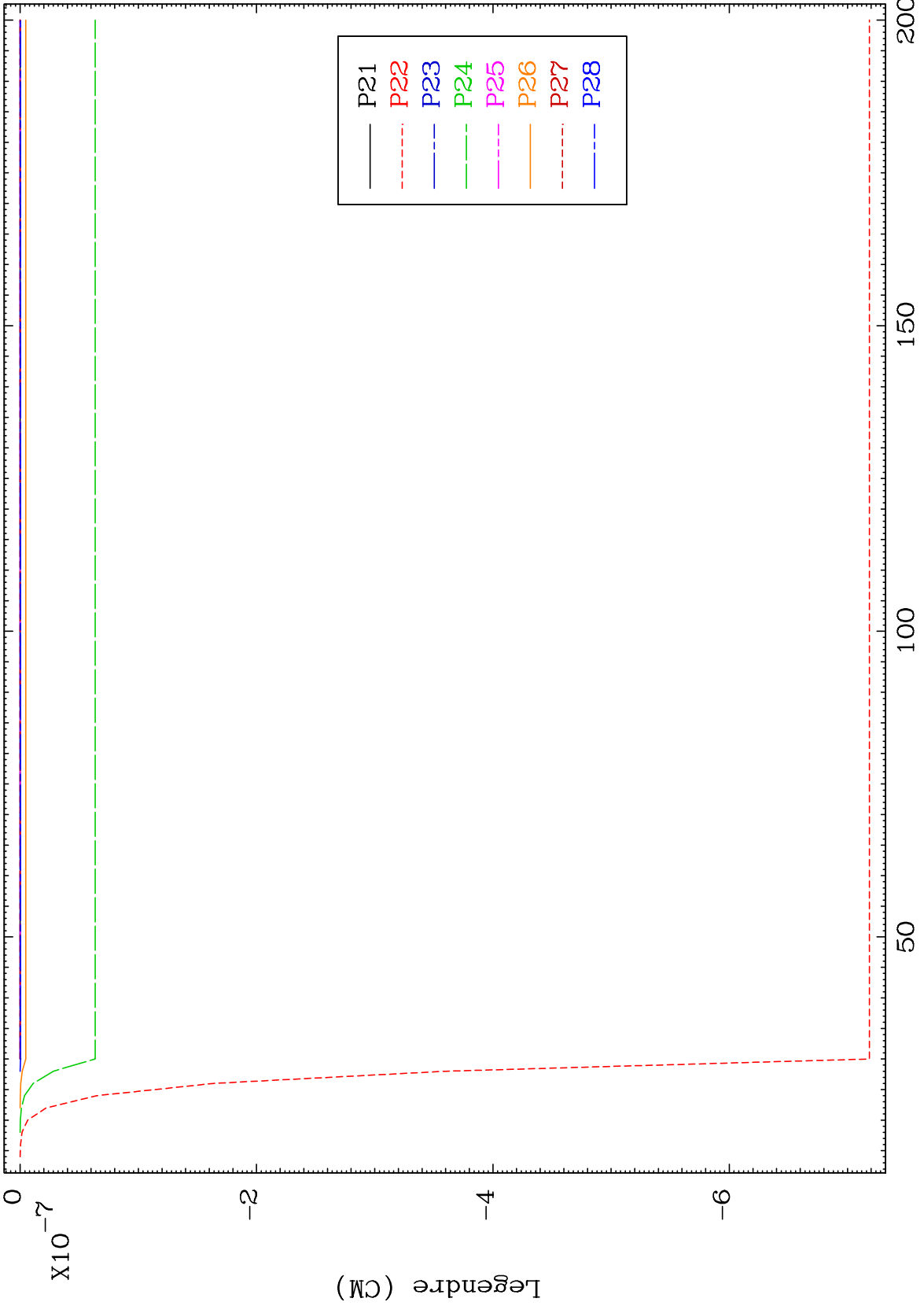
MAT 6440

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

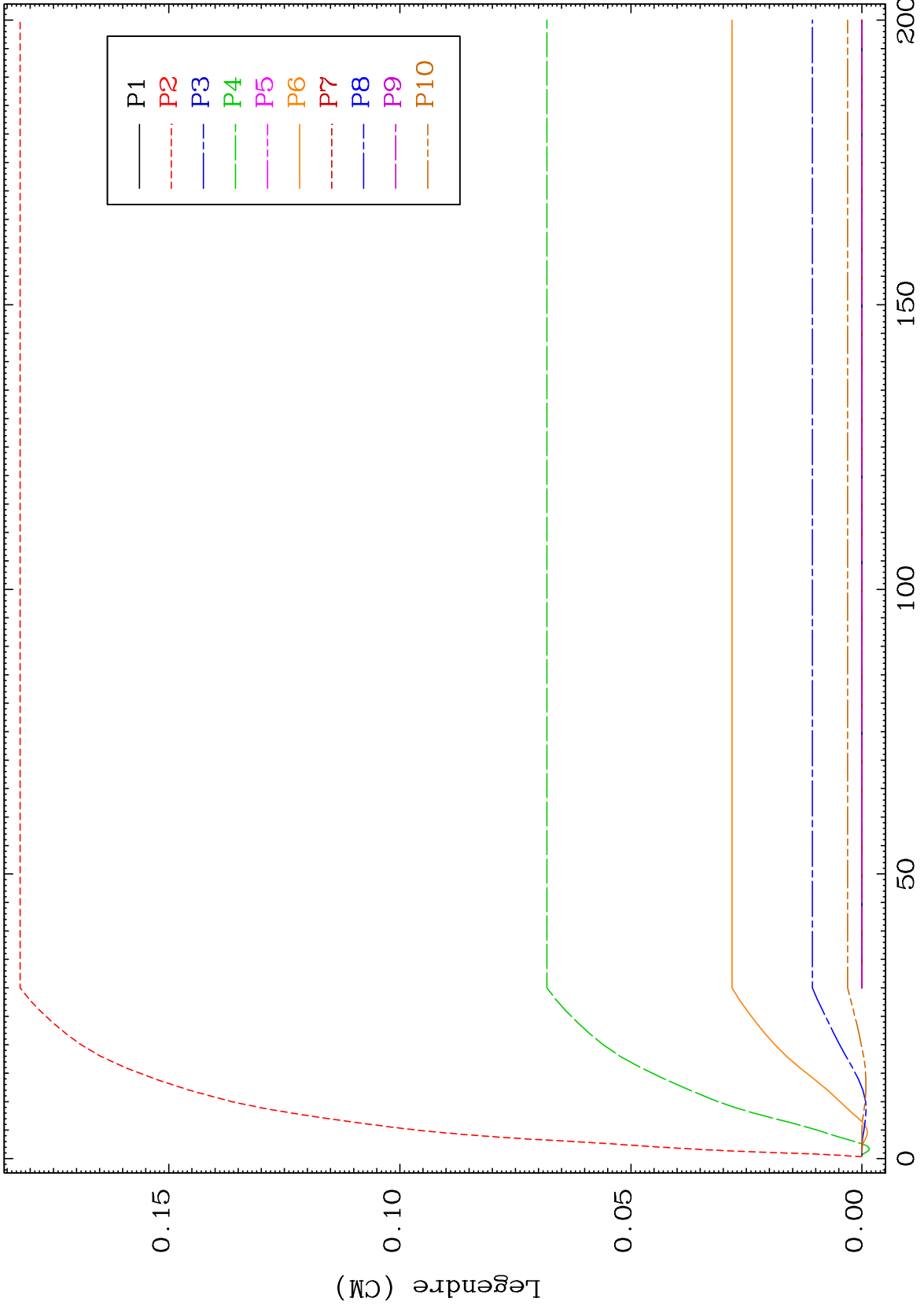
64-Gd-157

Incident Energy (MeV)

42



MAT 6440 MT= 58 (n,n') Level Legendre Coefficients 64-Gd-157

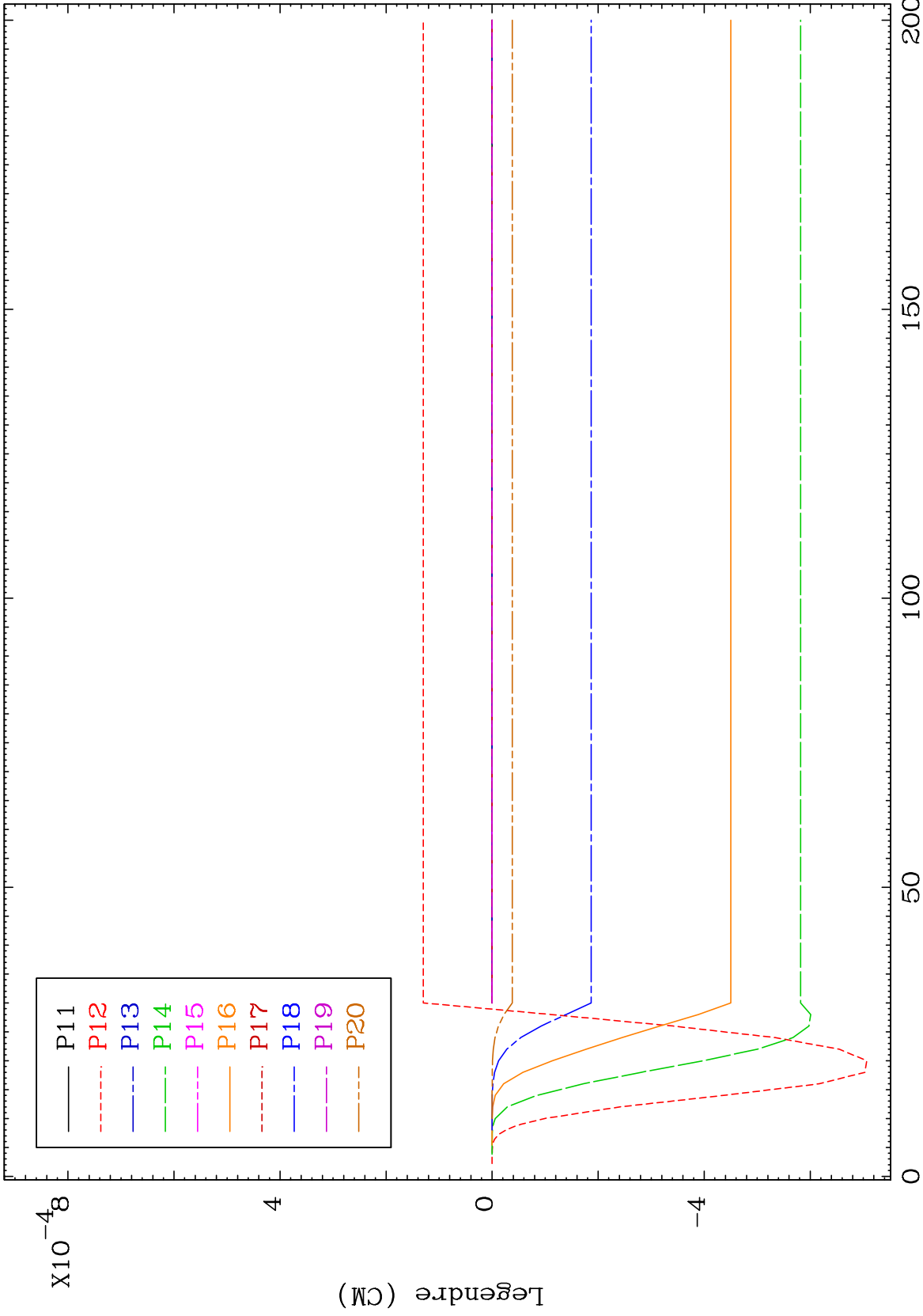


43 64-Gd-157

MAT 6440

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

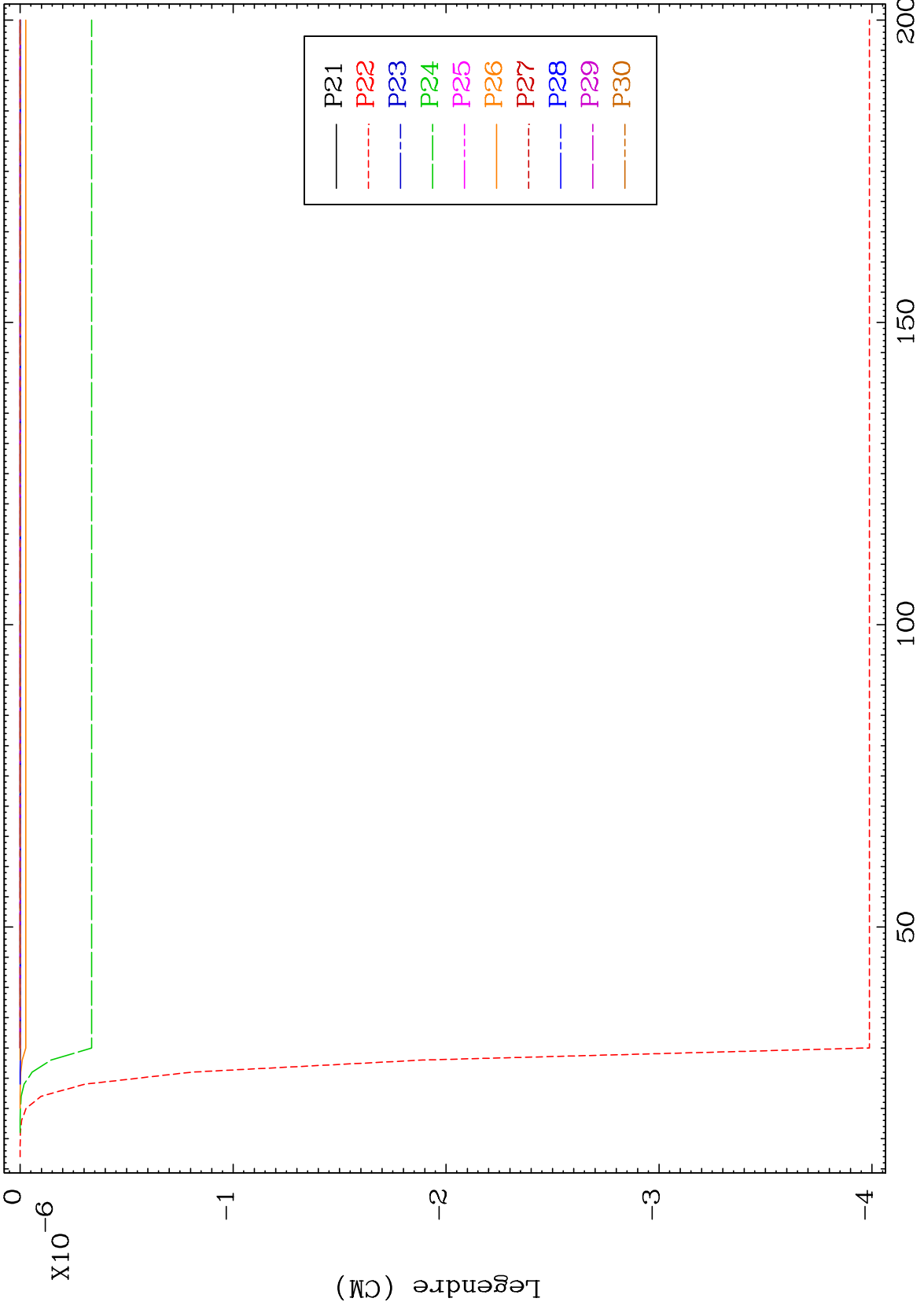
64-Gd-157



44

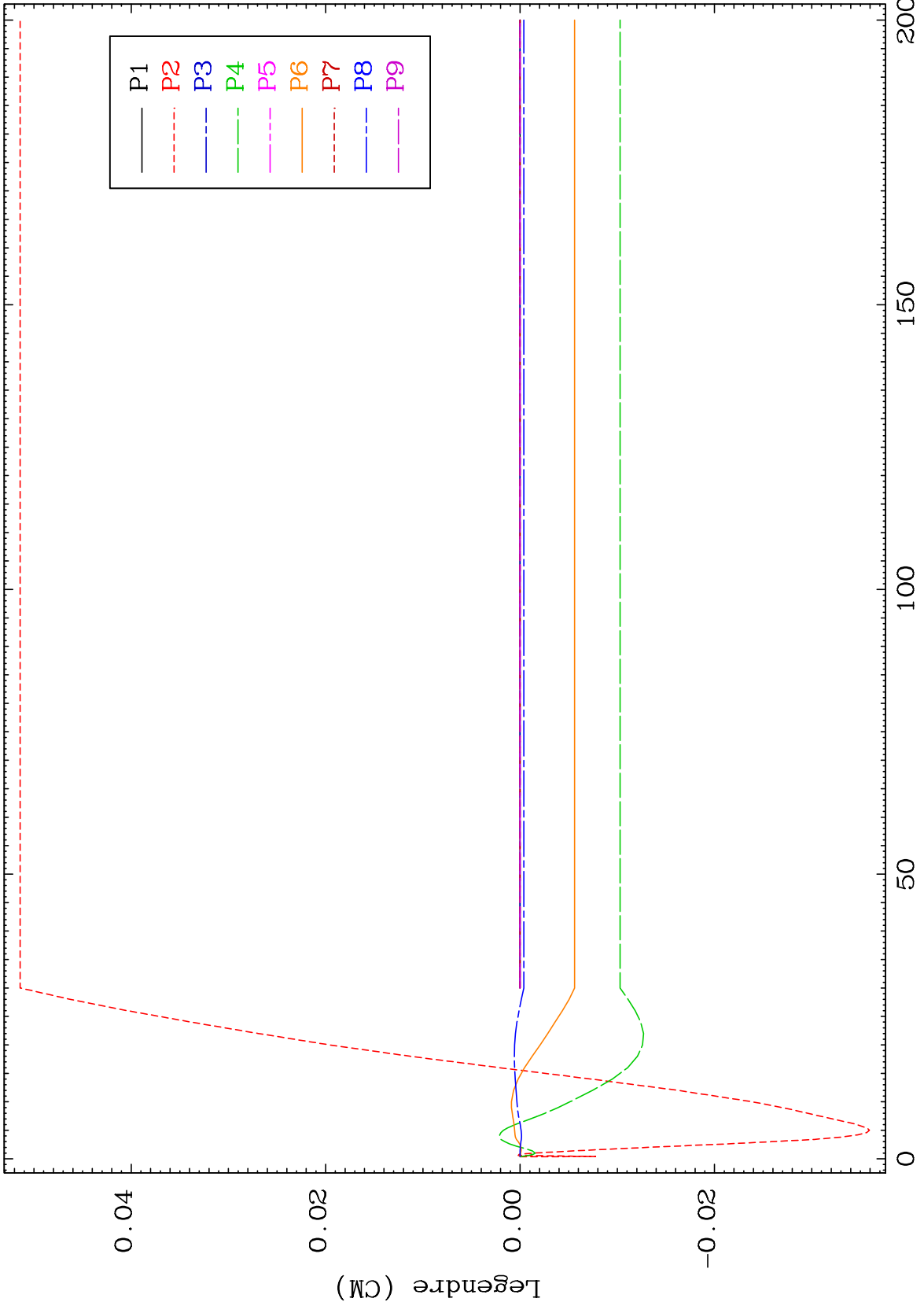
64-Gd-157

MAT 6440 MT= 58 (n,n') Level Legendre Coefficients 64-Gd-157



Incident Energy (MeV) 64-Gd-157

MAT 6440 MT= 59 (n,n') Level Legendre Coefficients 64-Gd-157

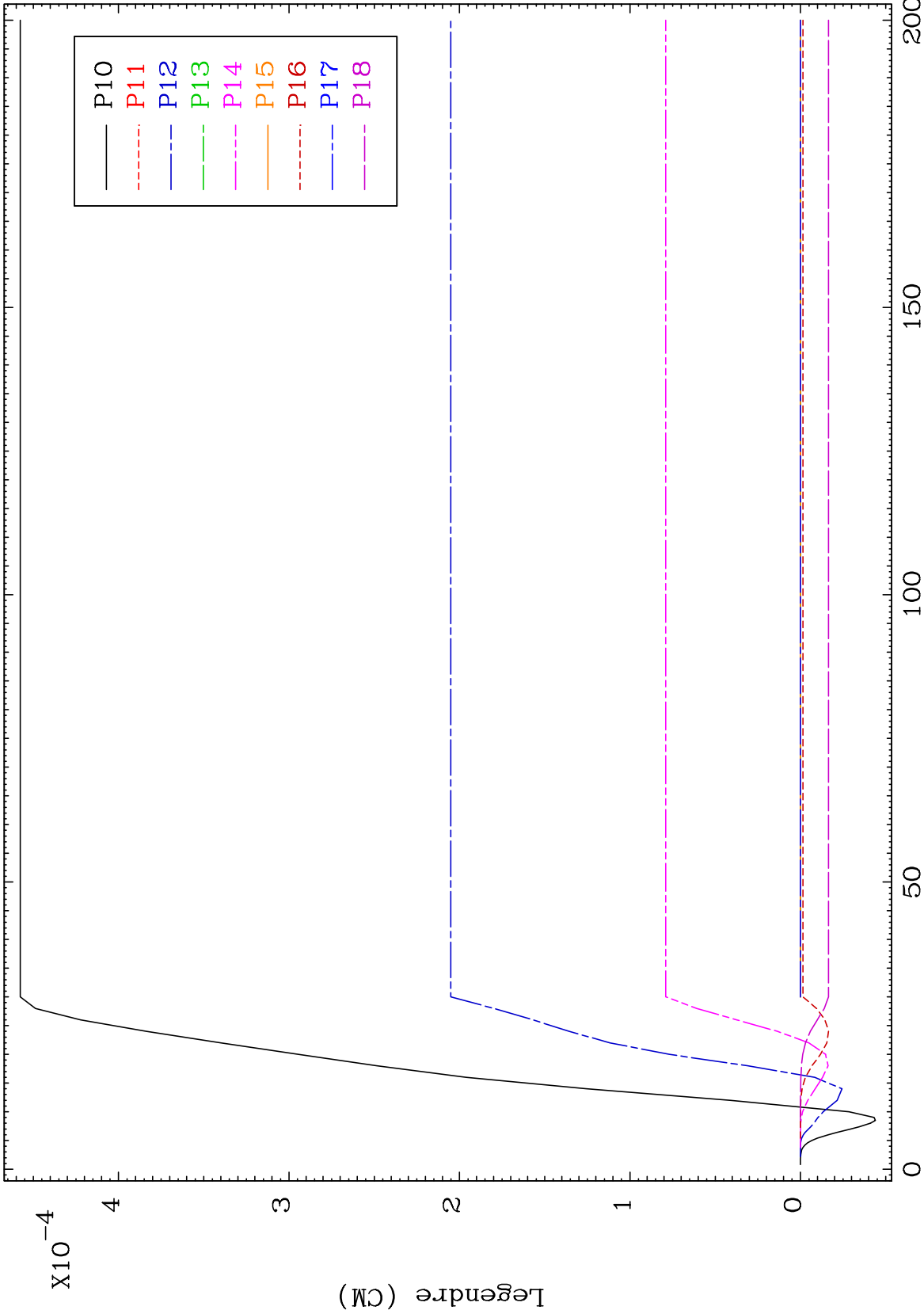


46 64-Gd-157

MAT 6440

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

64-Gd-157



47

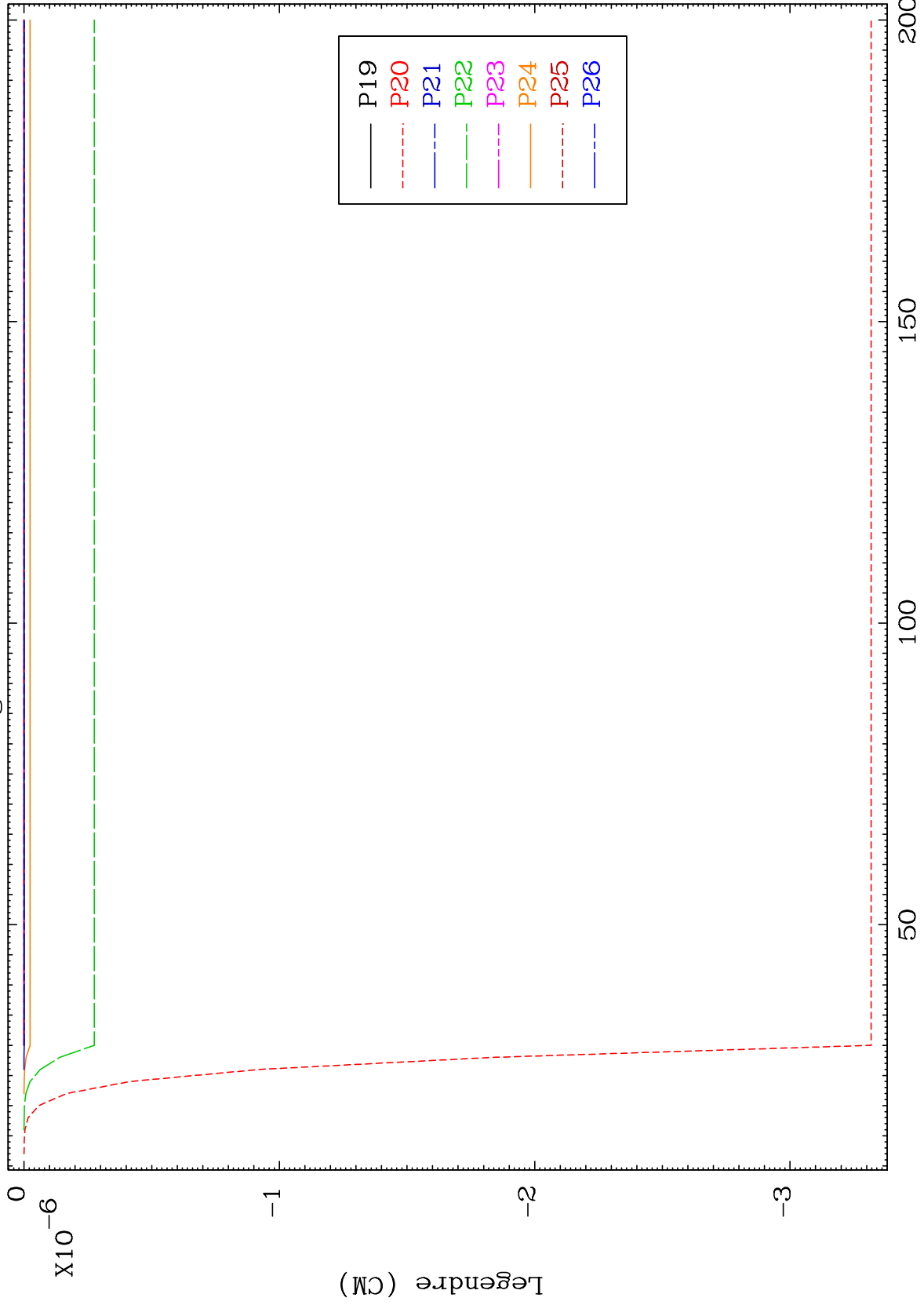
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



64-Gd-157

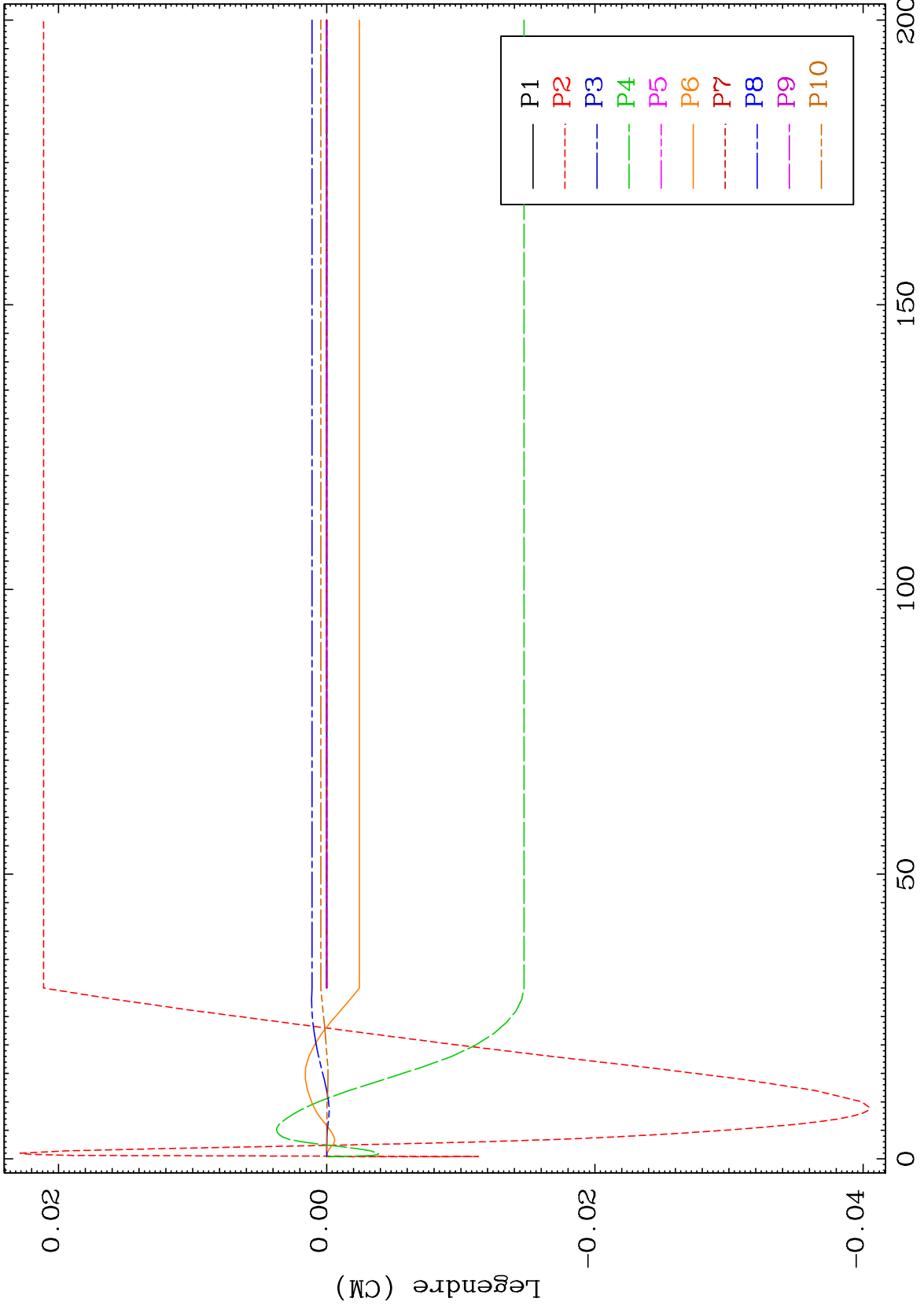
Incident Energy (MeV)

48

MAT 6440

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

64-Gd-157



49

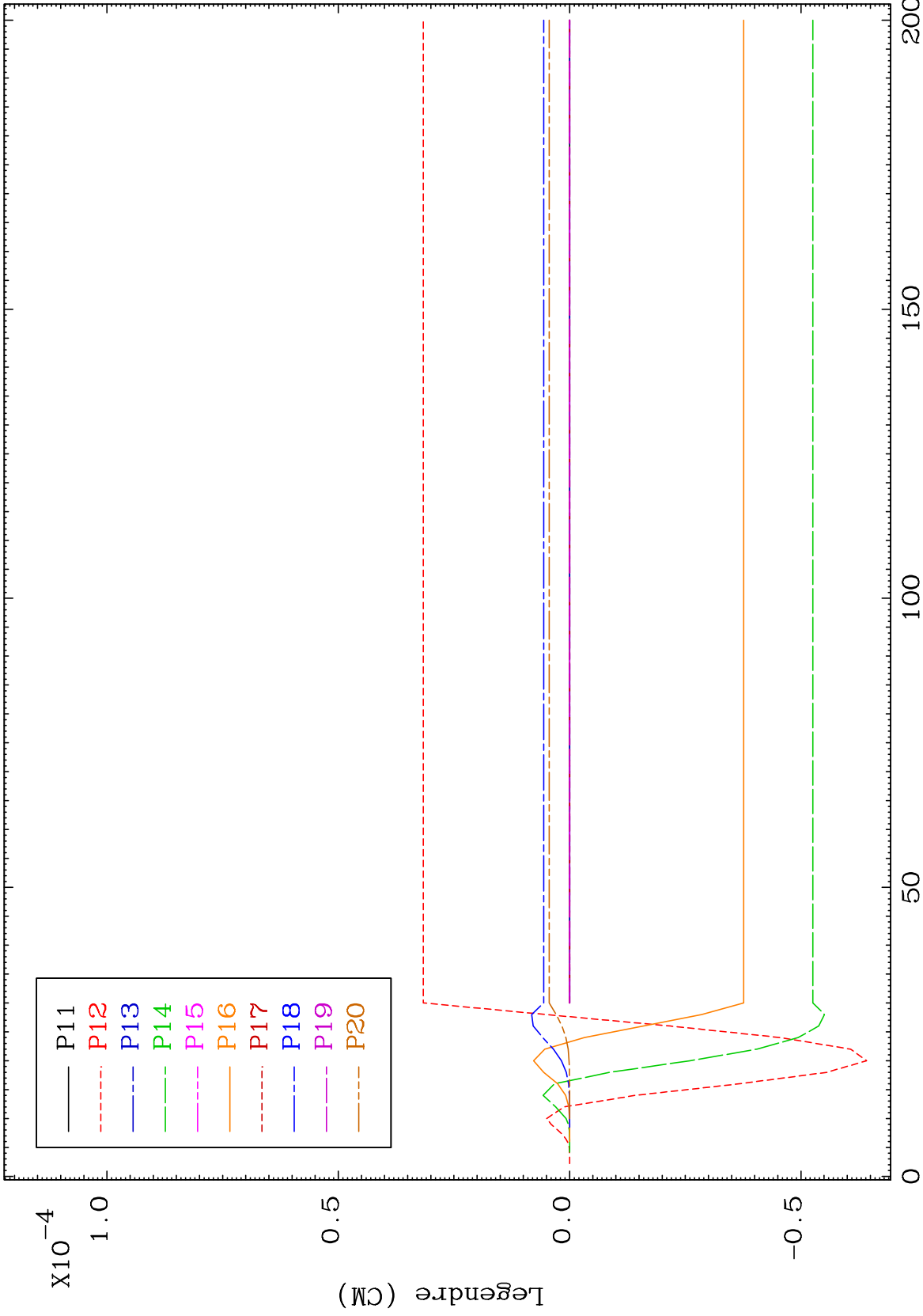
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157

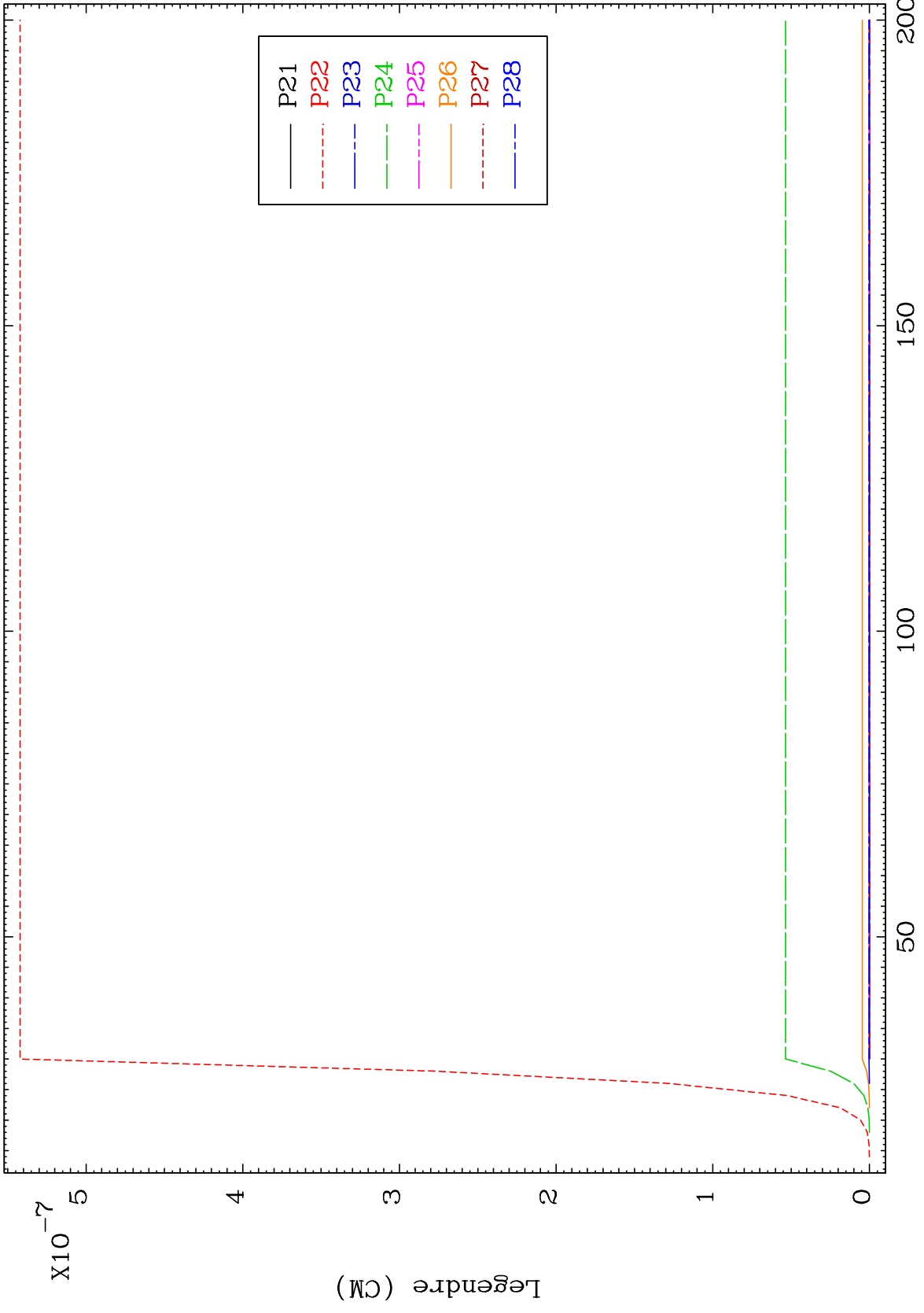


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Incident Energy (MeV)

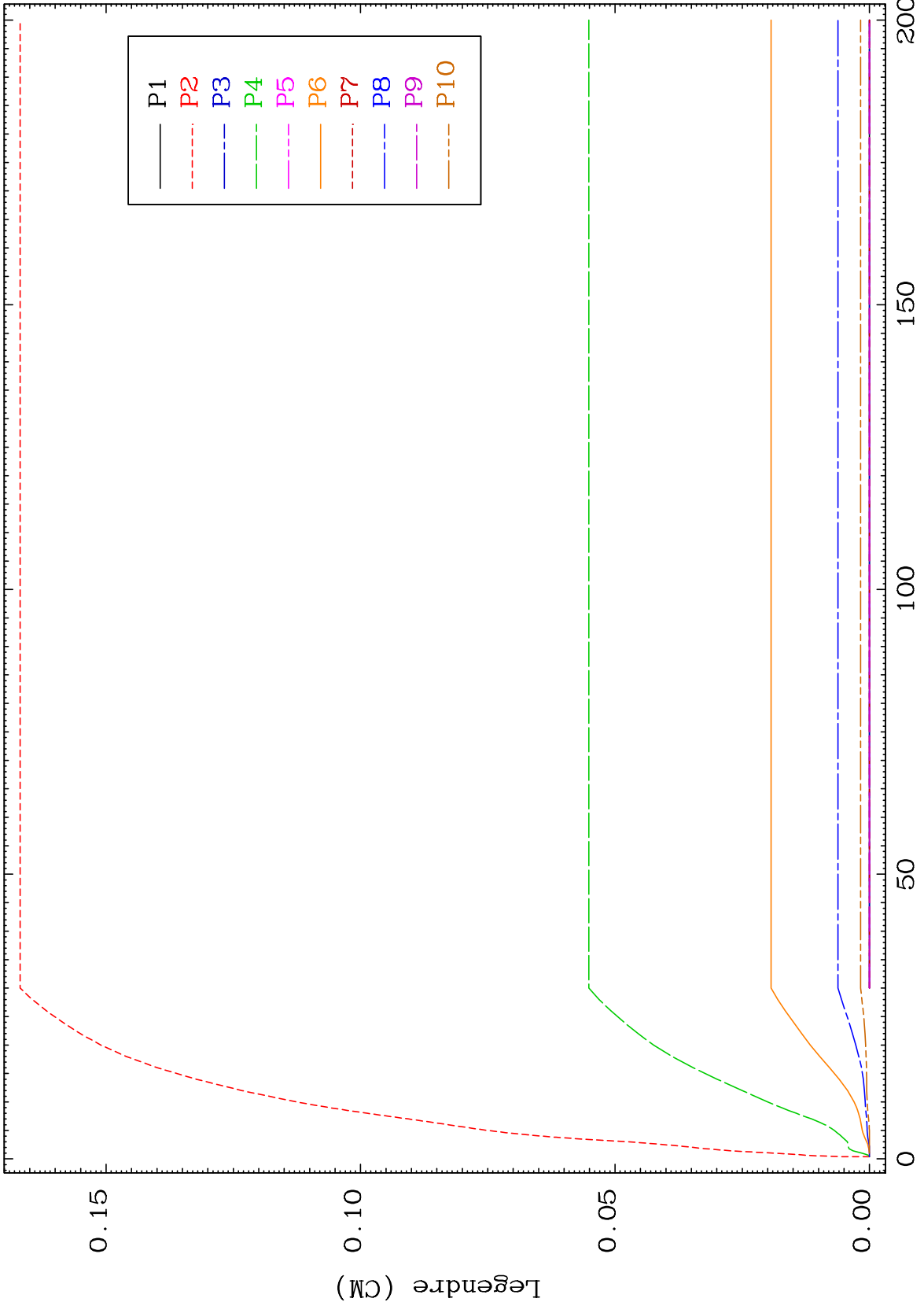
64-Gd-157

MAT 6440 MT= 60 (n,n') Level Legendre Coefficients 64-Gd-157



51 Incident Energy (MeV) 64-Gd-157

MAT 6440 MT= 61 (n,n') Level Legendre Coefficients 64-Gd-157

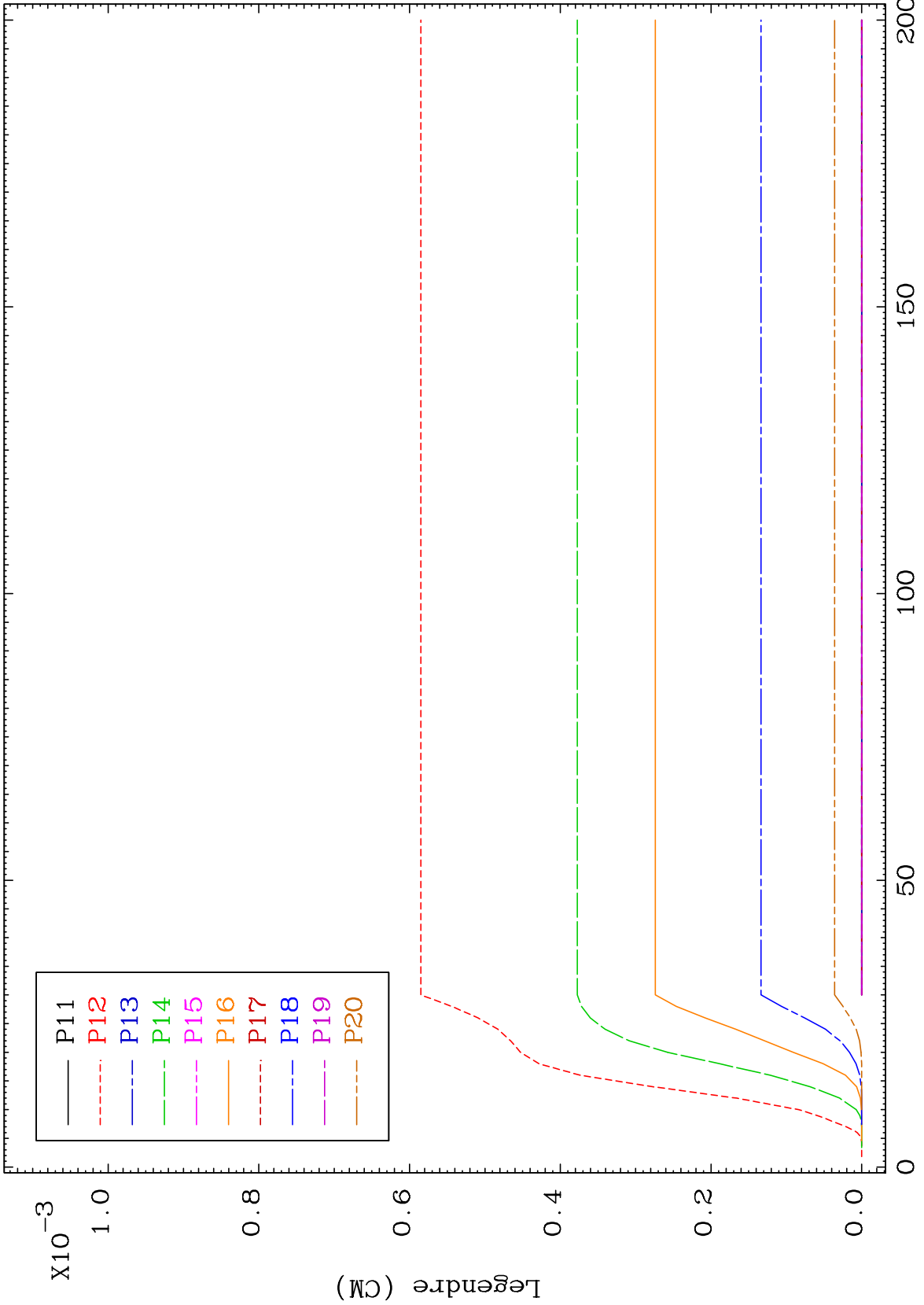


64-Gd-157

MAT 6440

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

64-Gd-157

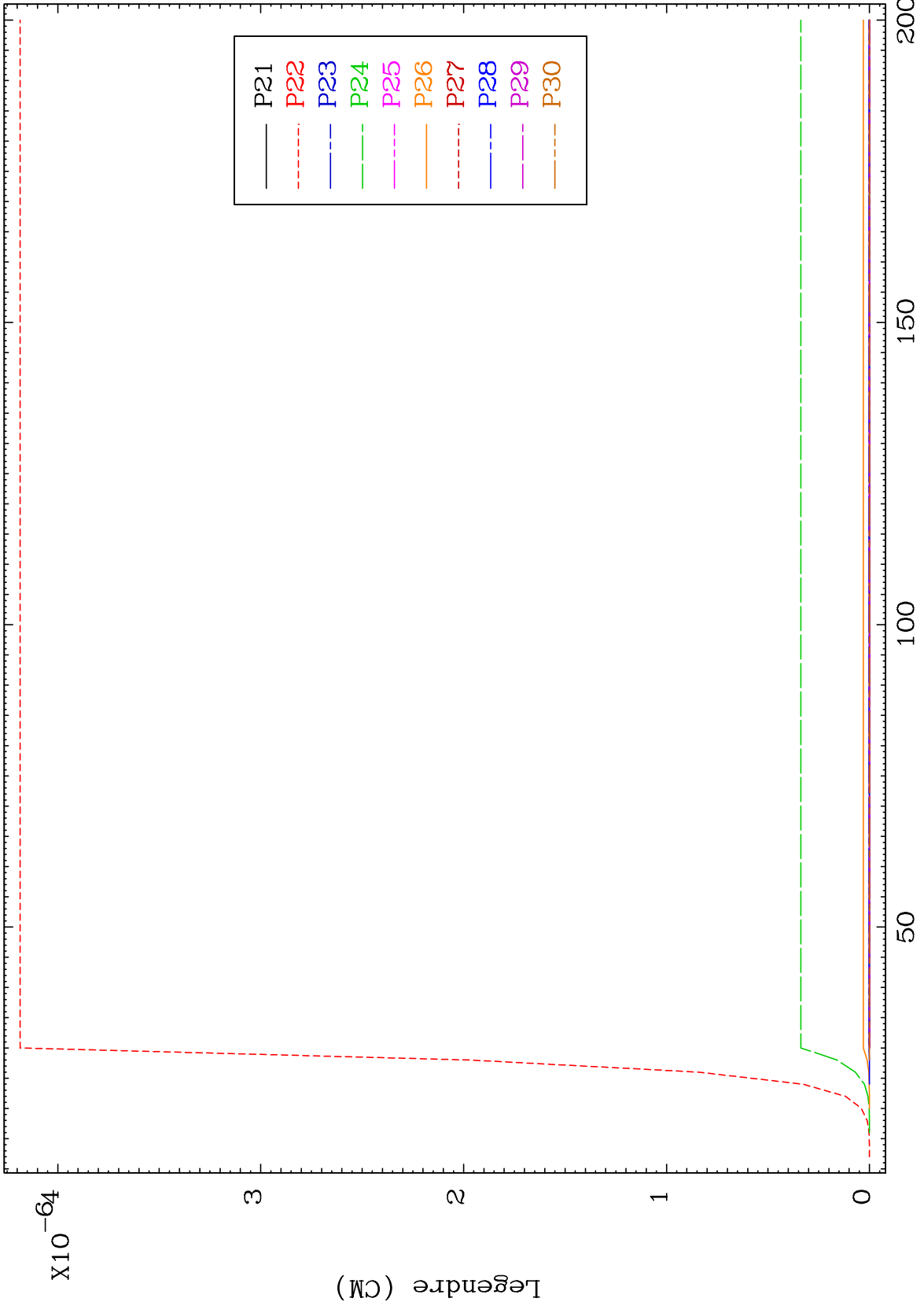


53

Incident Energy (MeV)

64-Gd-157

MAT 6440 MT= 61 (n,n') Level Legendre Coefficients 64-Gd-157

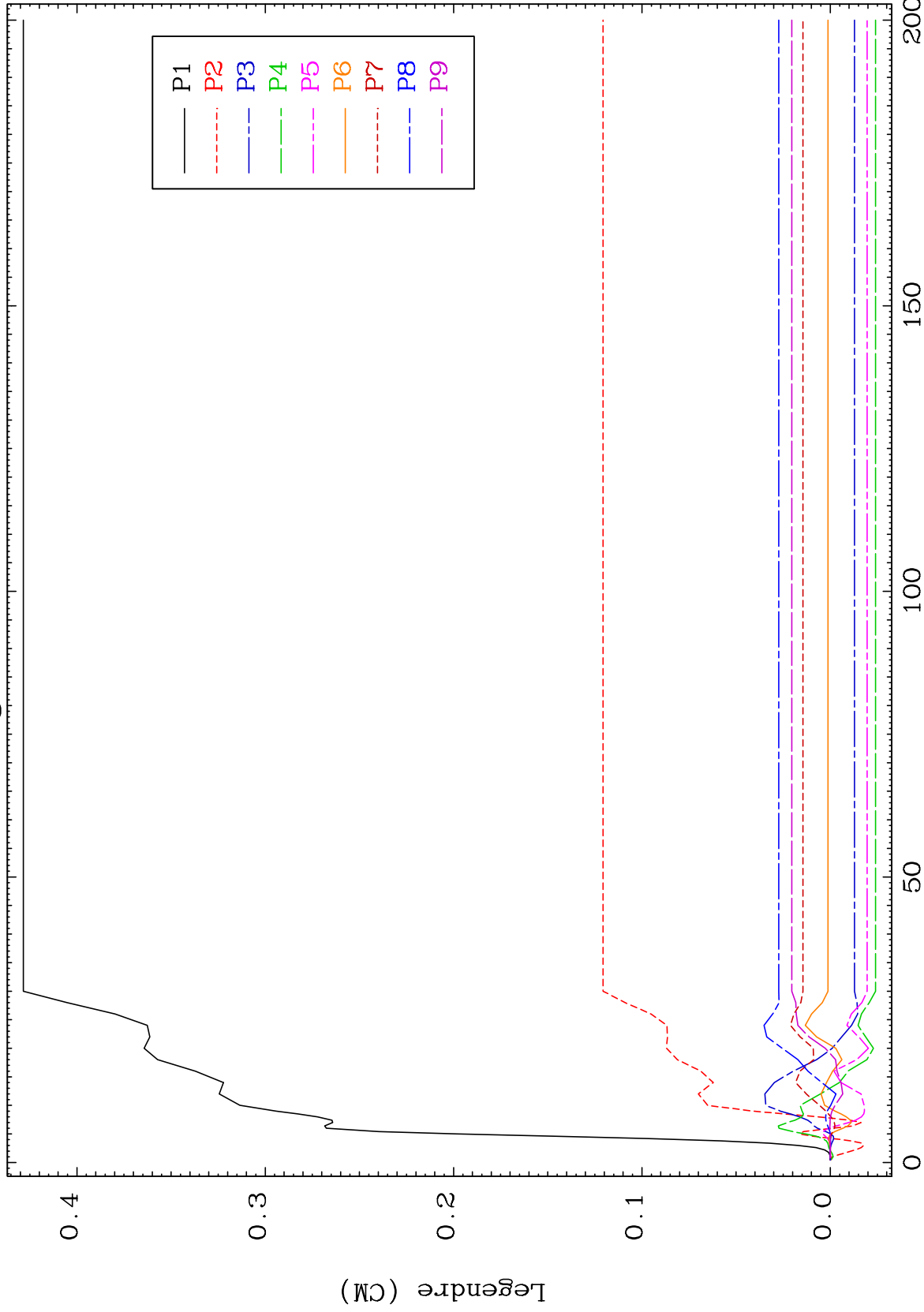


64-Gd-157

MAT 6440

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

64-Gd-157



55

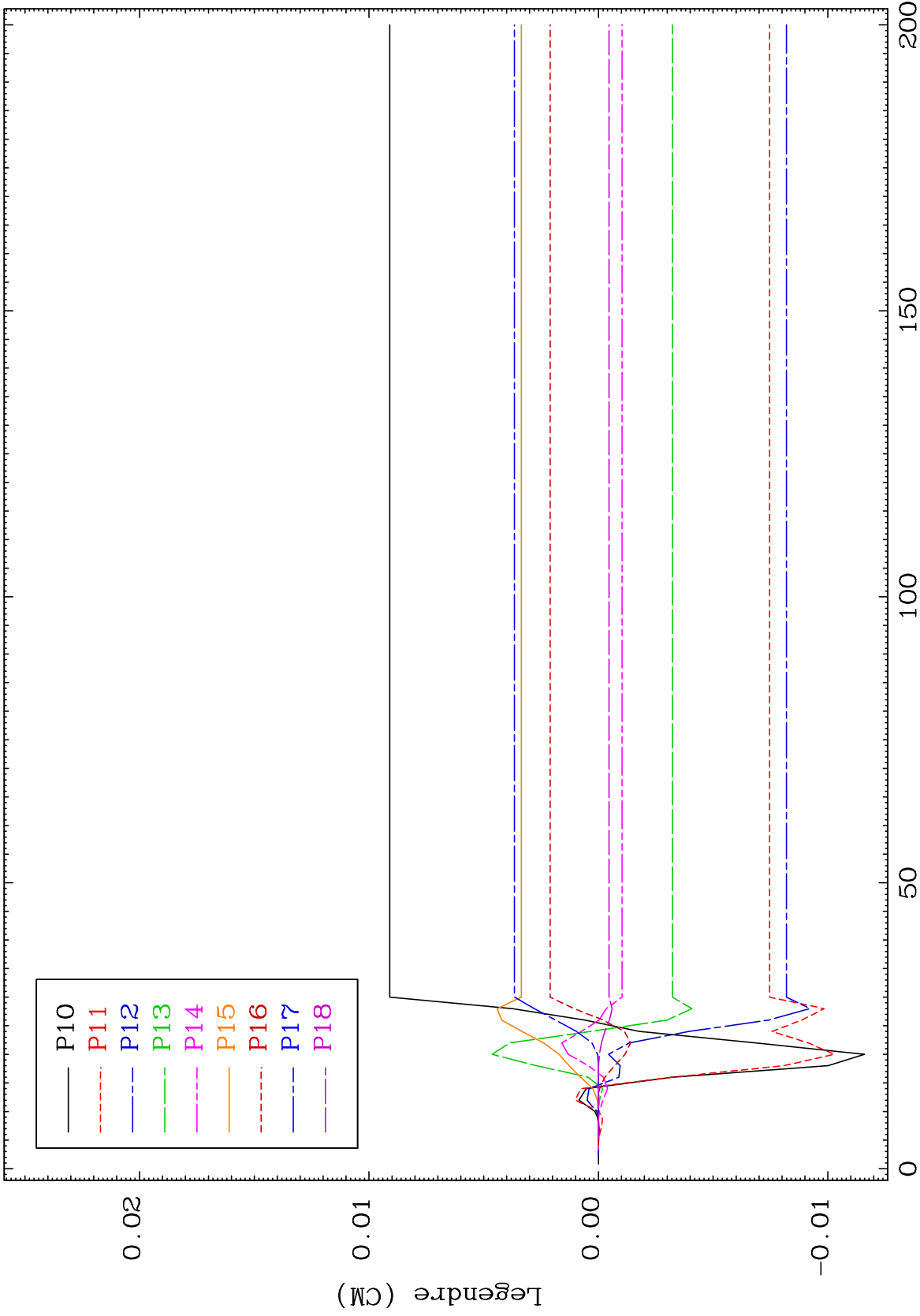
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



56

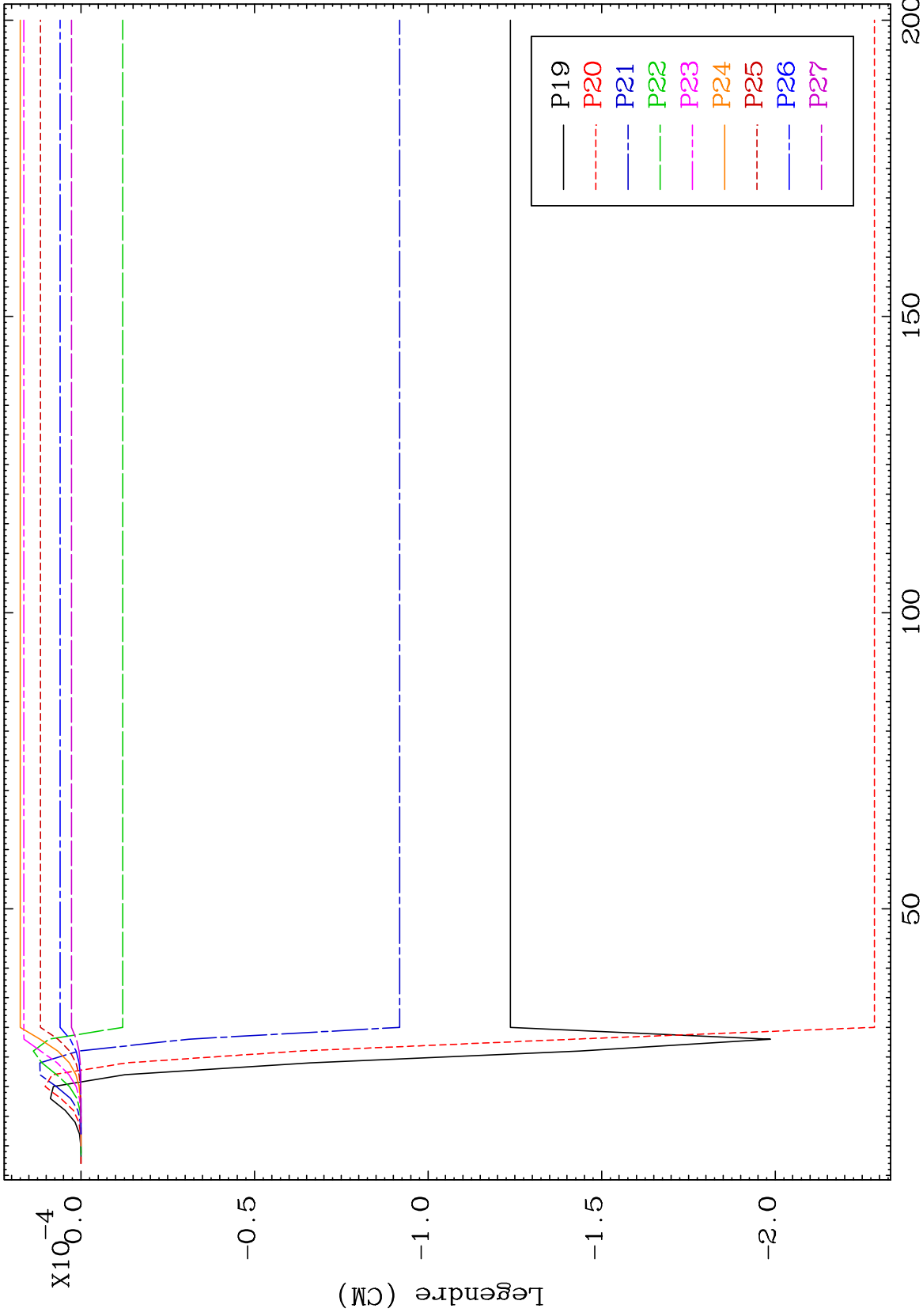
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



64-Gd-157

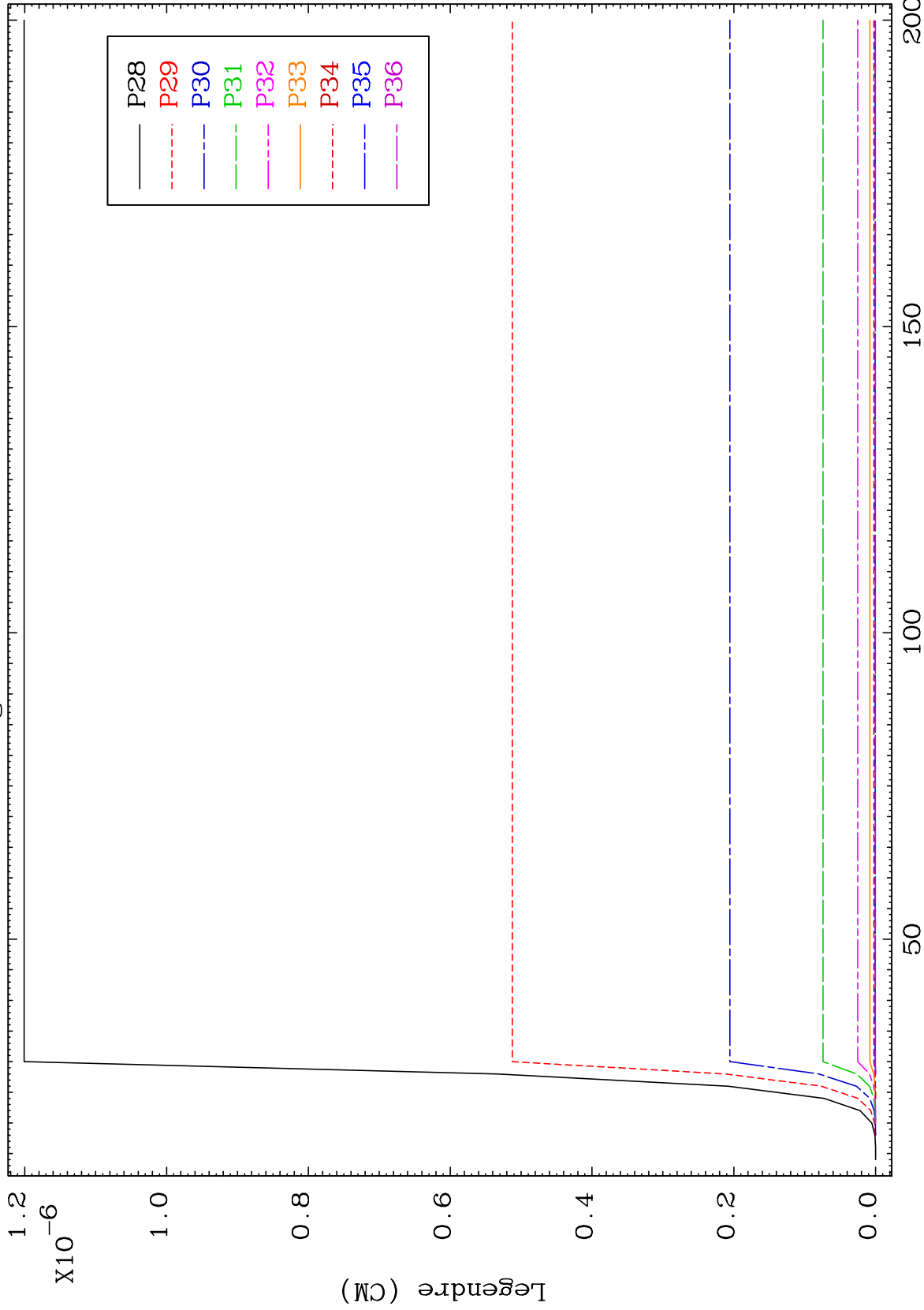
Incident Energy (MeV)

57

MAT 6440

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

64-Gd-157

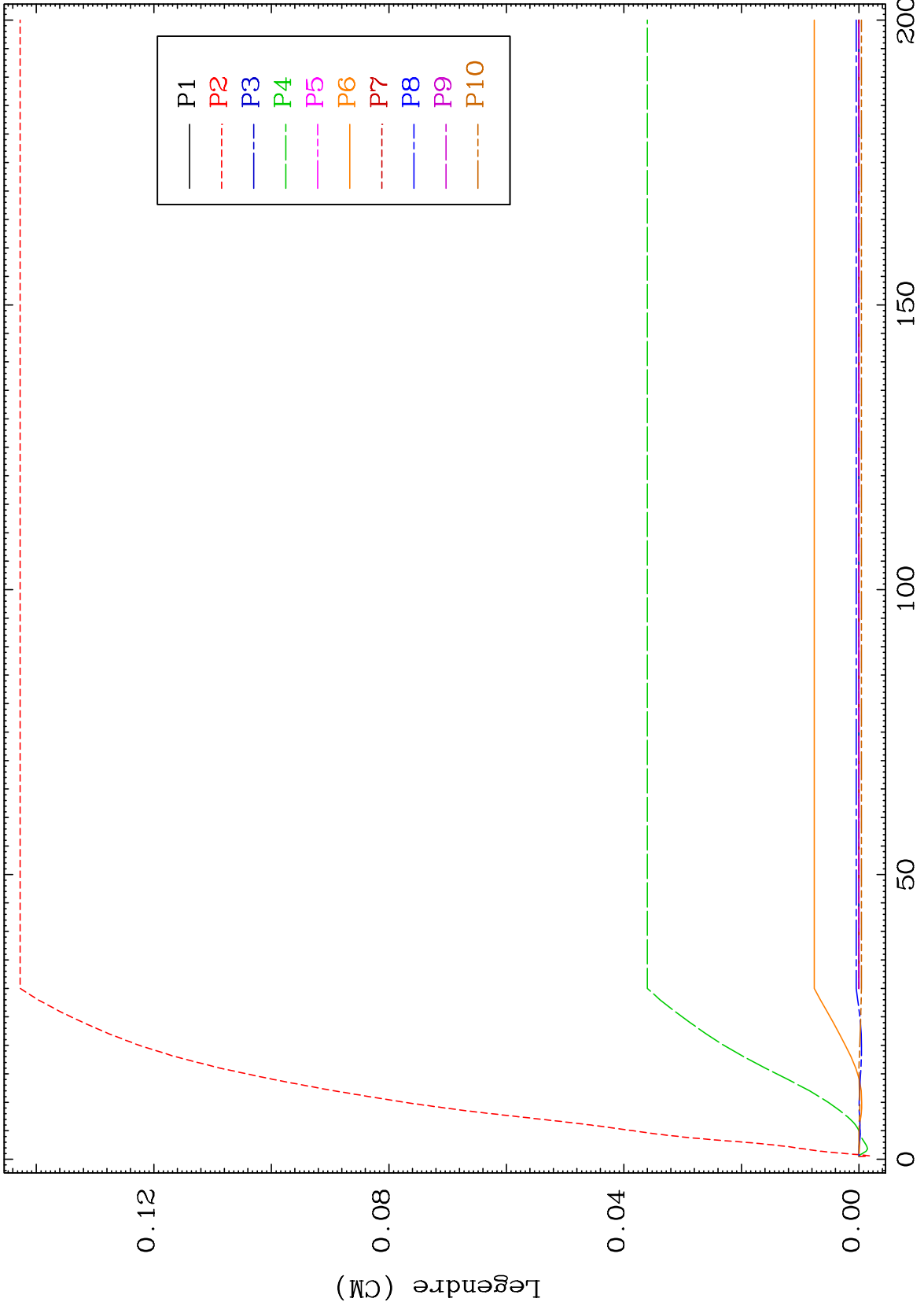


58

Incident Energy (MeV)

64-Gd-157

MAT 6440 MT= 63 (n,n') Level Legendre Coefficients 64-Gd-157

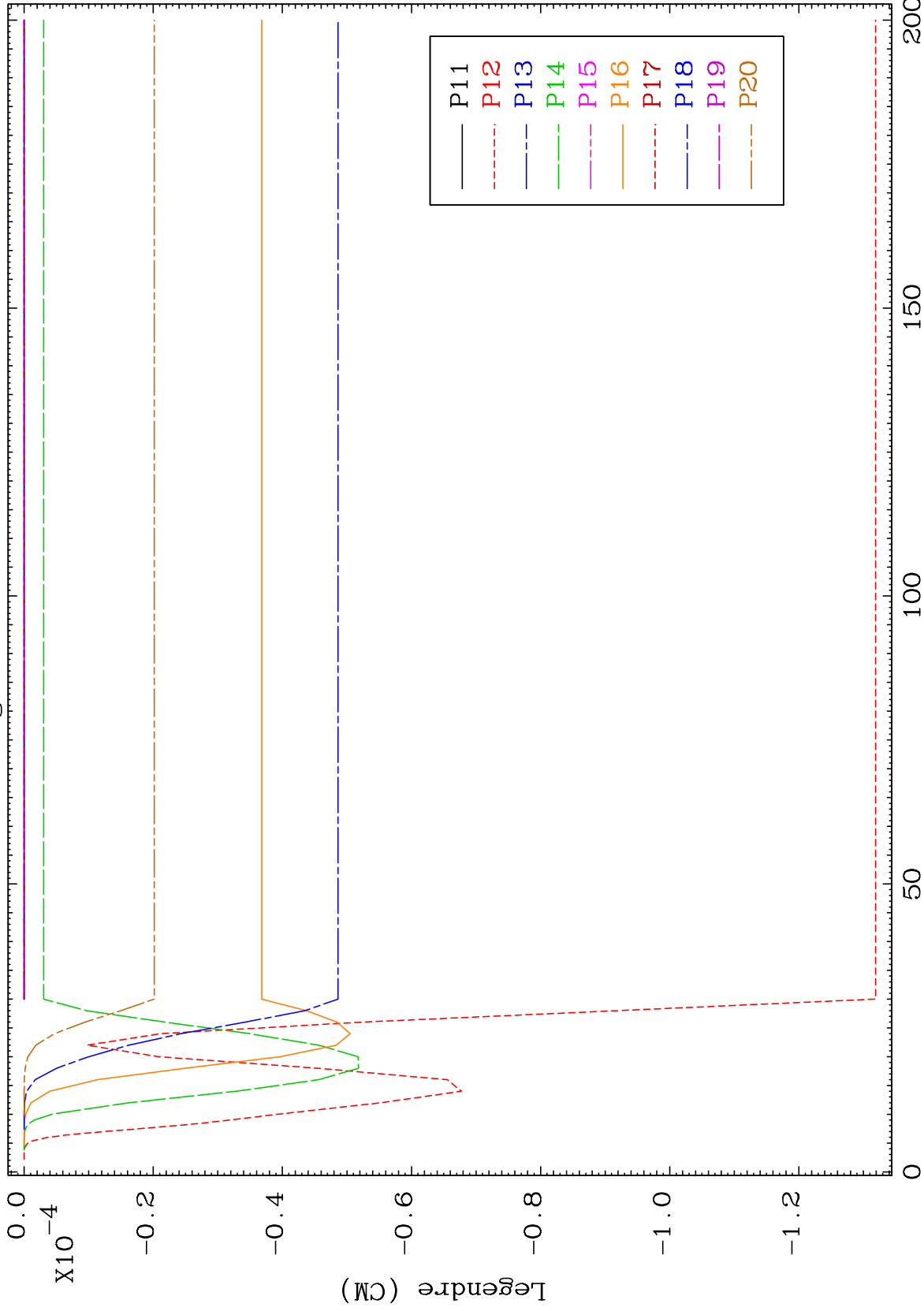


64-Gd-157

MAT 6440

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

64-Gd-157



64-Gd-157

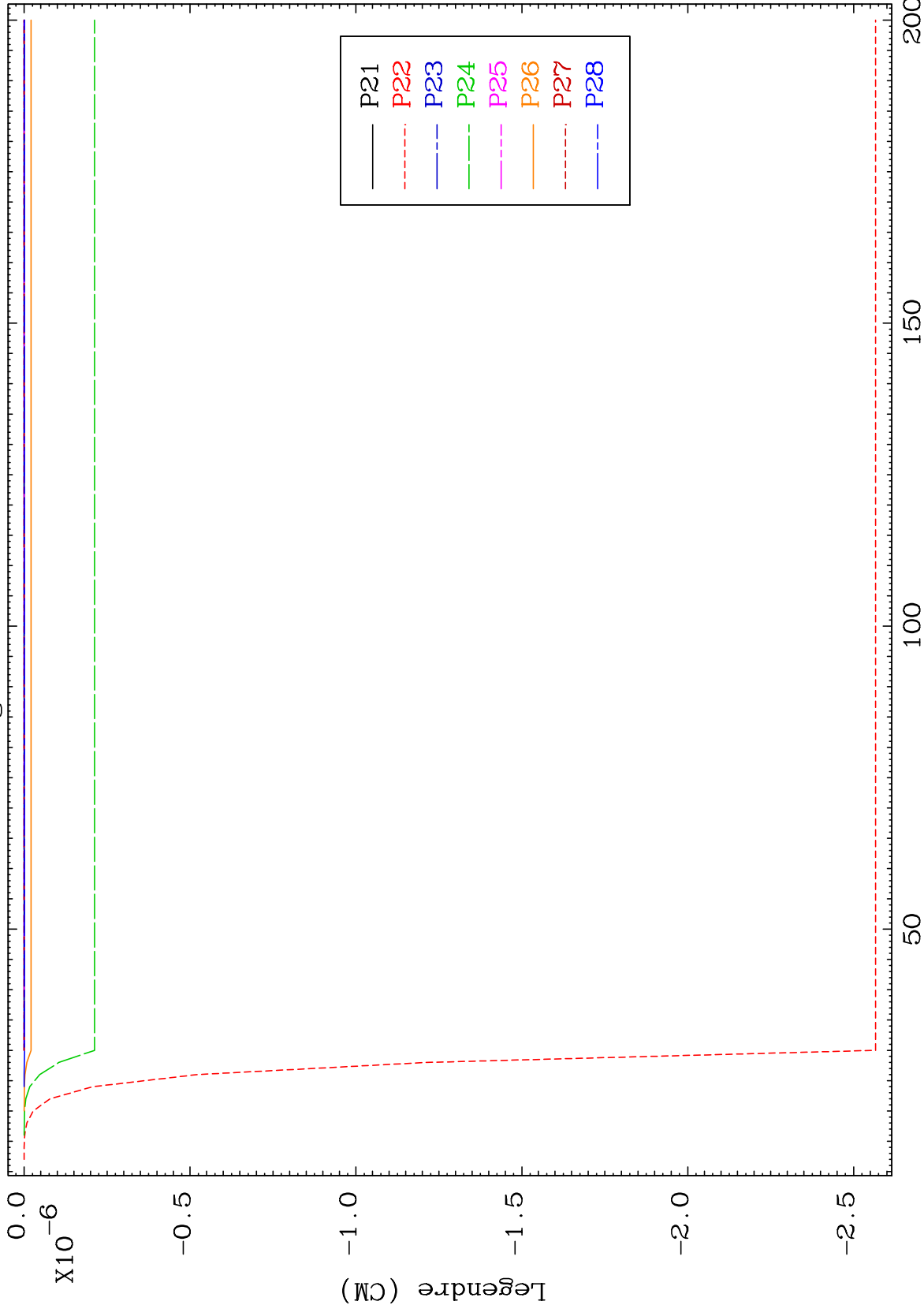
Incident Energy (MeV)

60

MAT 6440

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

64-Gd-157



64-Gd-157

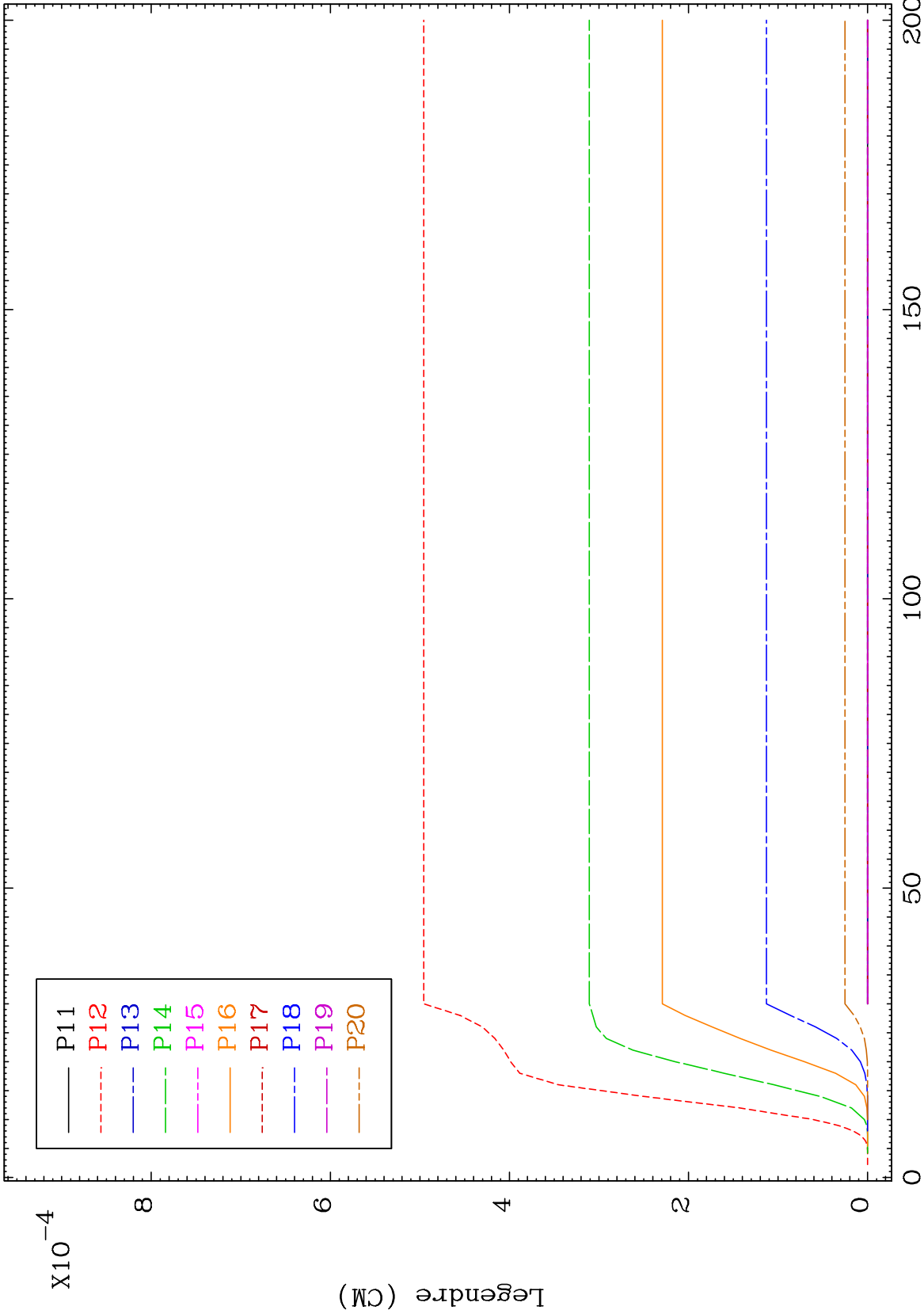
Incident Energy (MeV)

61

MAT 6440

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

64-Gd-157

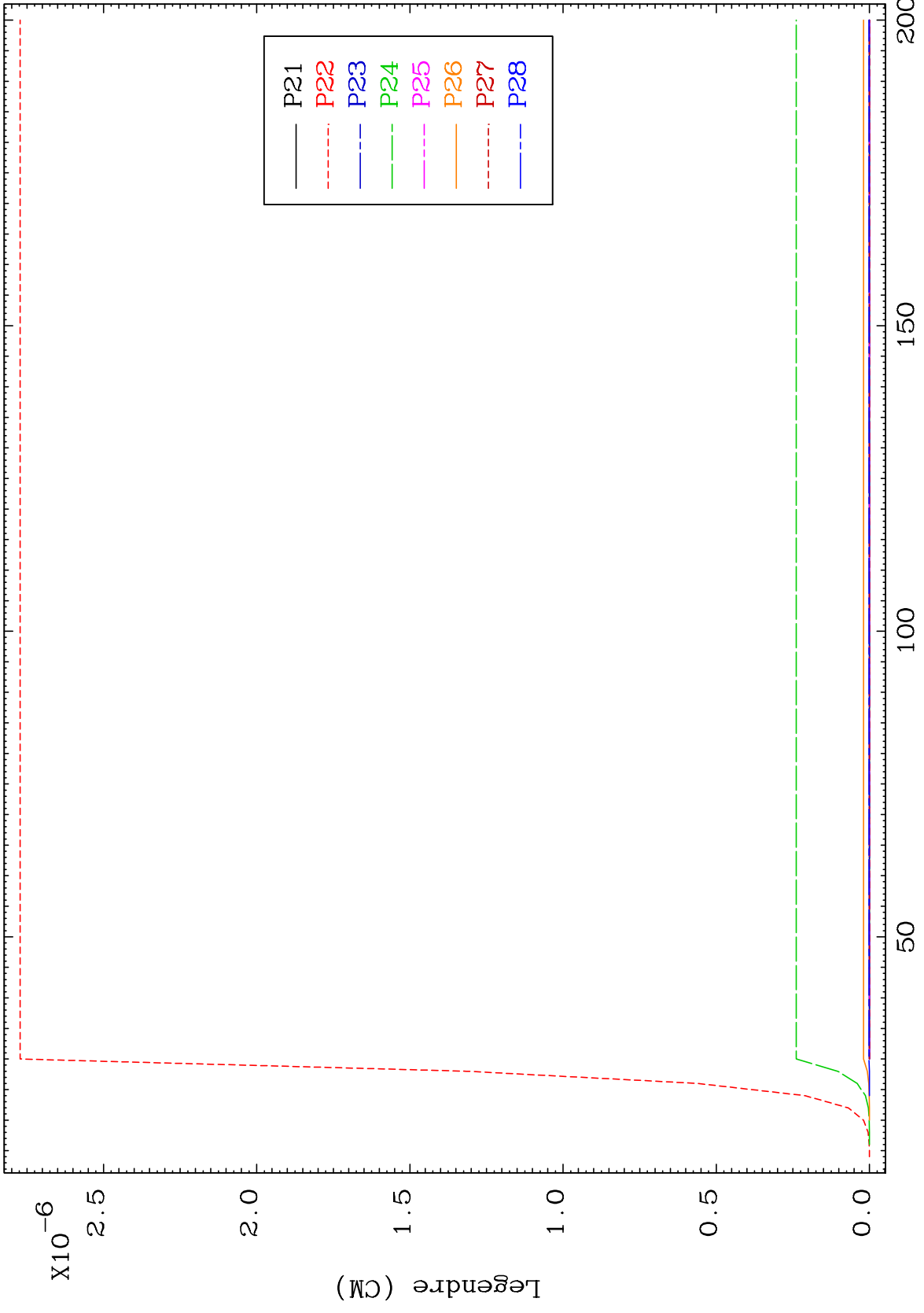


63

Incident Energy (MeV)

64-Gd-157

MAT 6440 MT= 64 (n,n') Level Legendre Coefficients 64-Gd-157

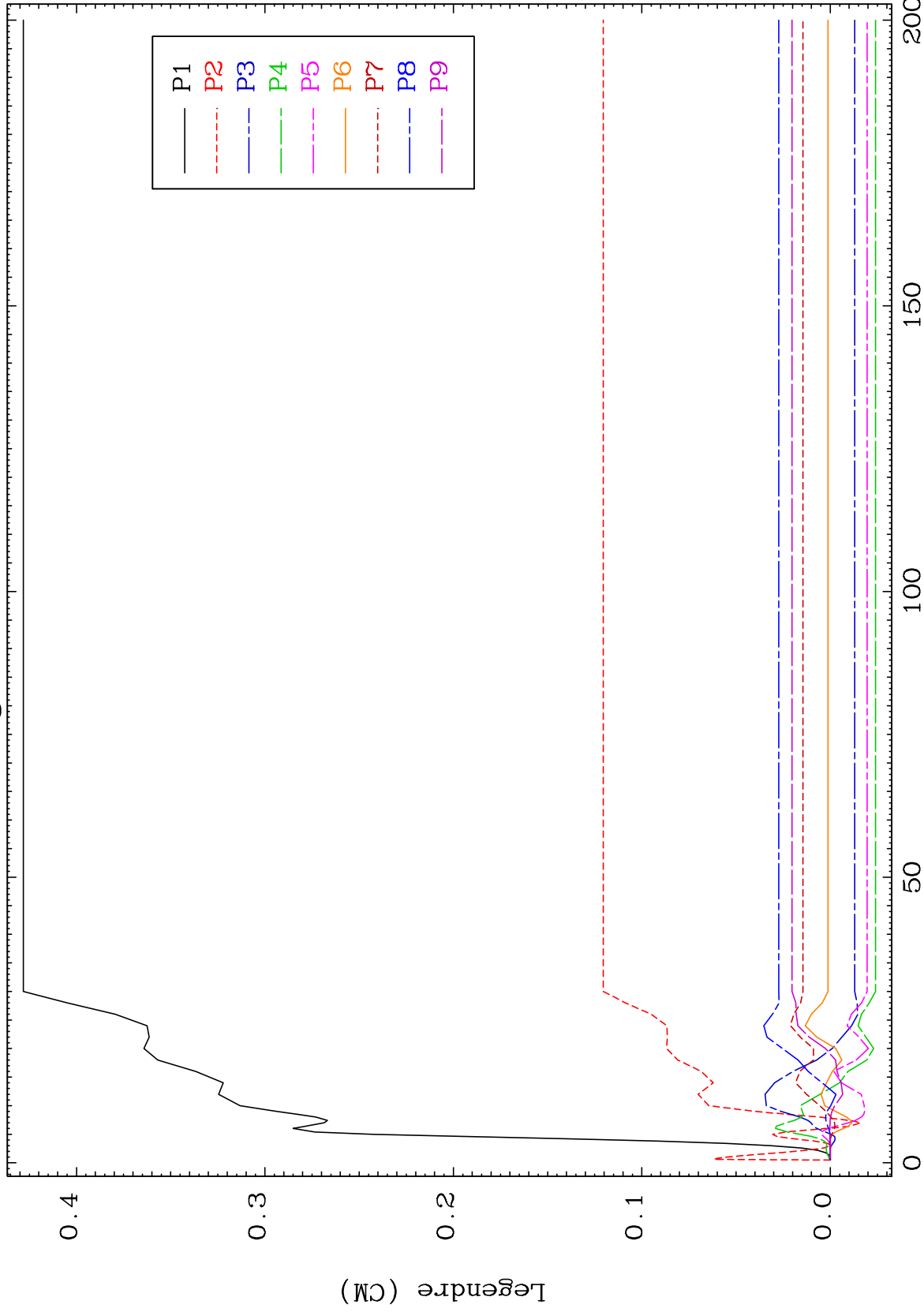


64 64-Gd-157 Incident Energy (MeV)

MAT 6440

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

64-Gd-157



65

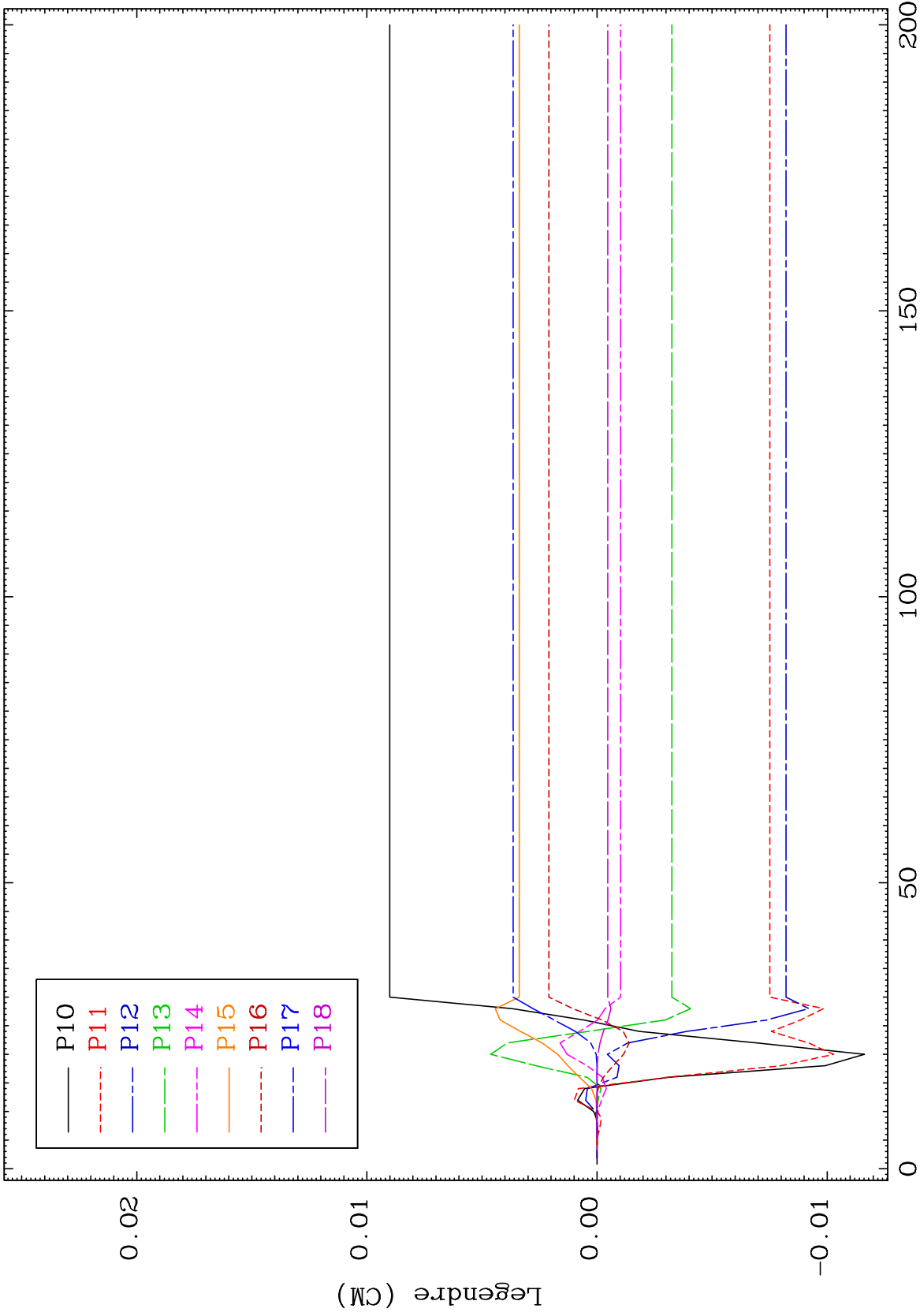
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



66

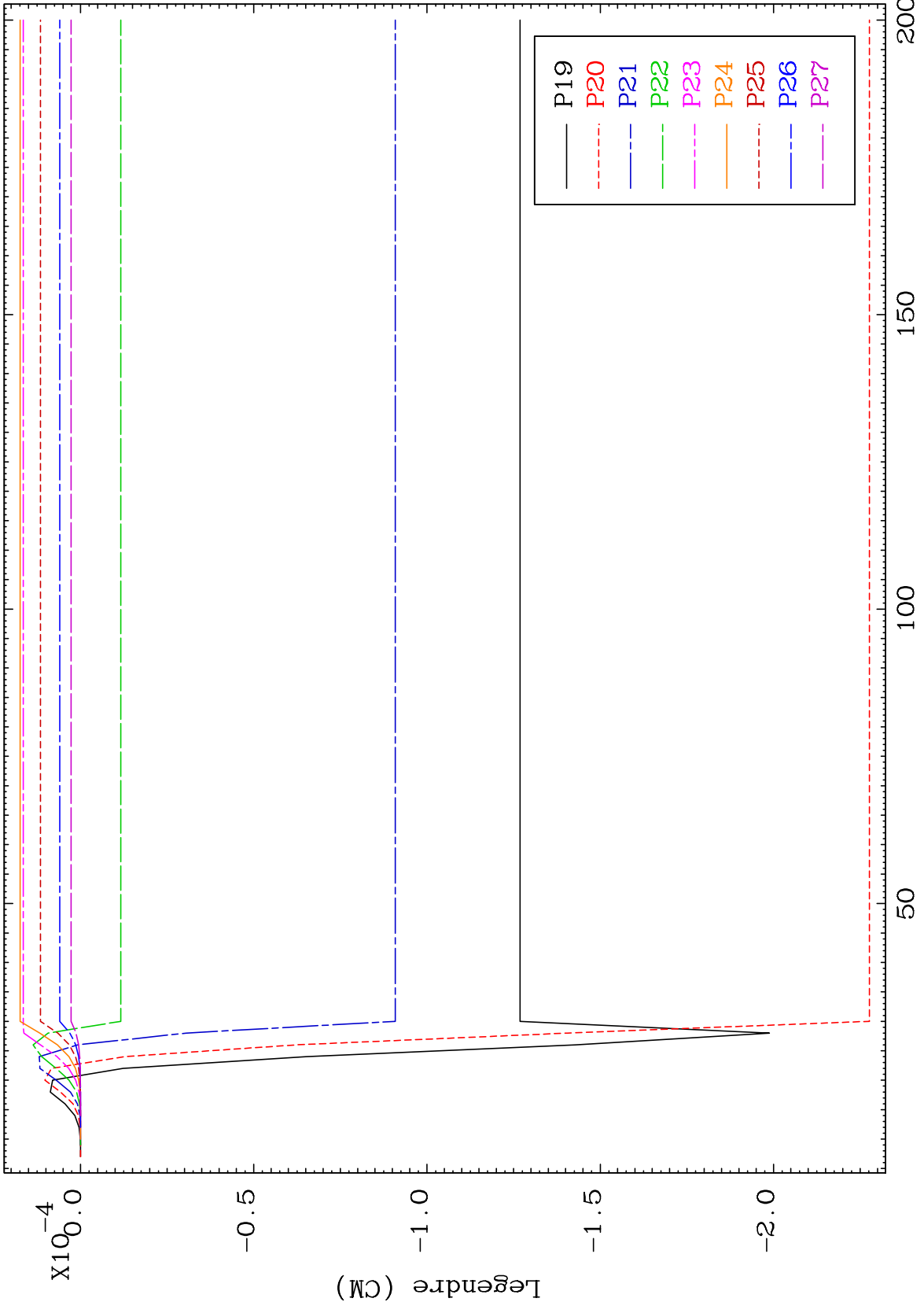
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



64-Gd-157

Incident Energy (MeV)

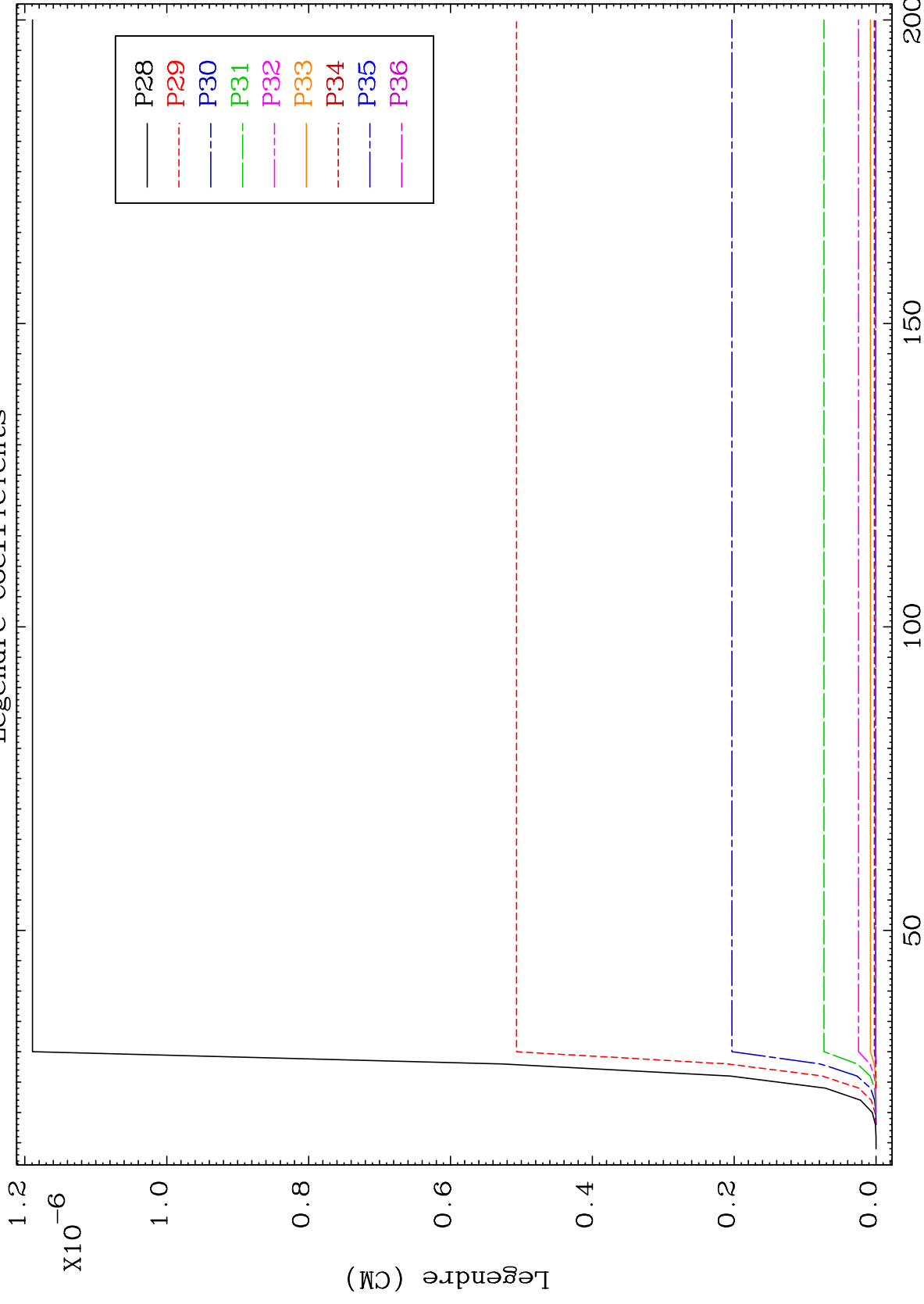
67

MAT 6440

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

64-Gd-157

64-Gd-157

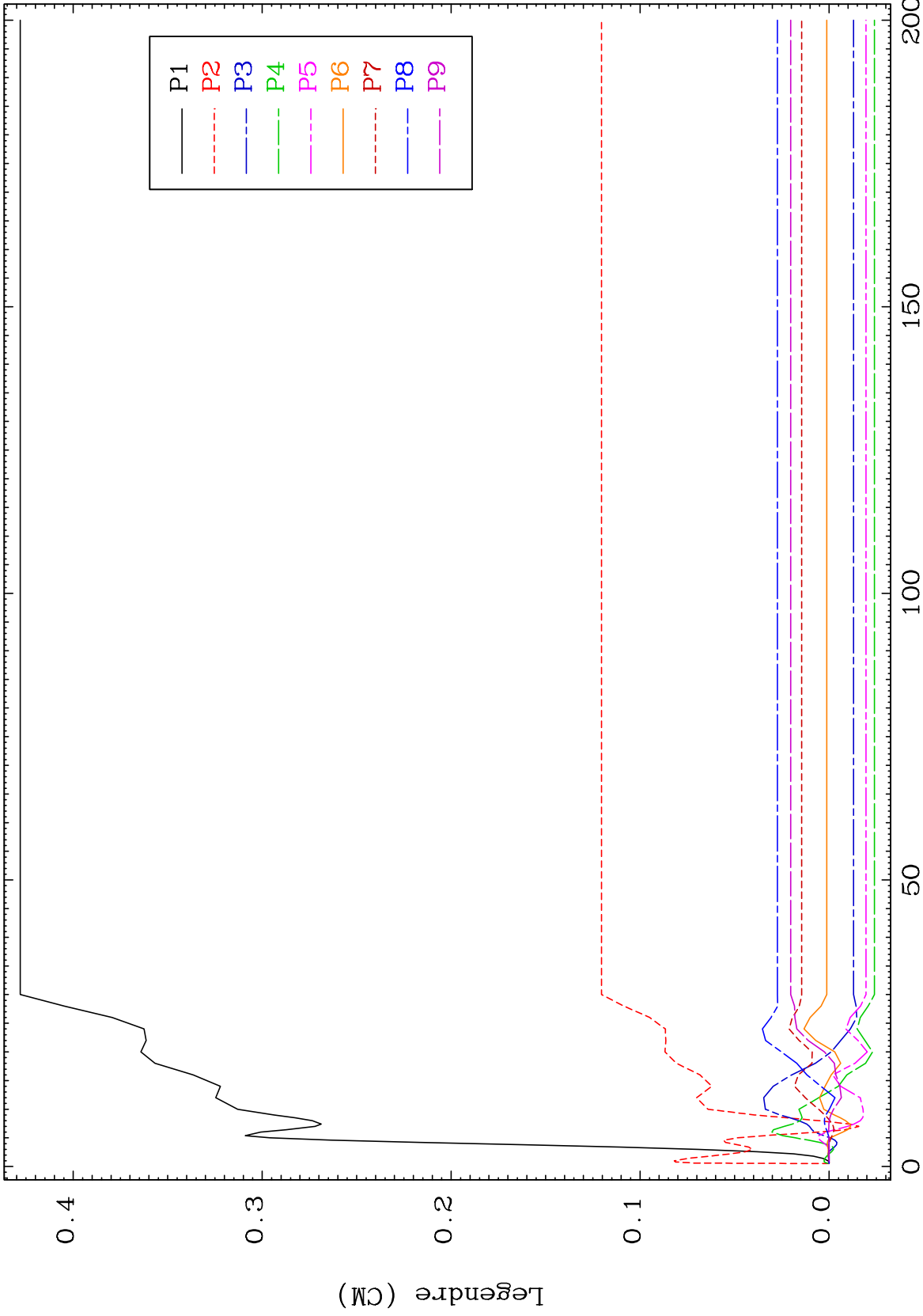


68

MAT 6440

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

64-Gd-157



69

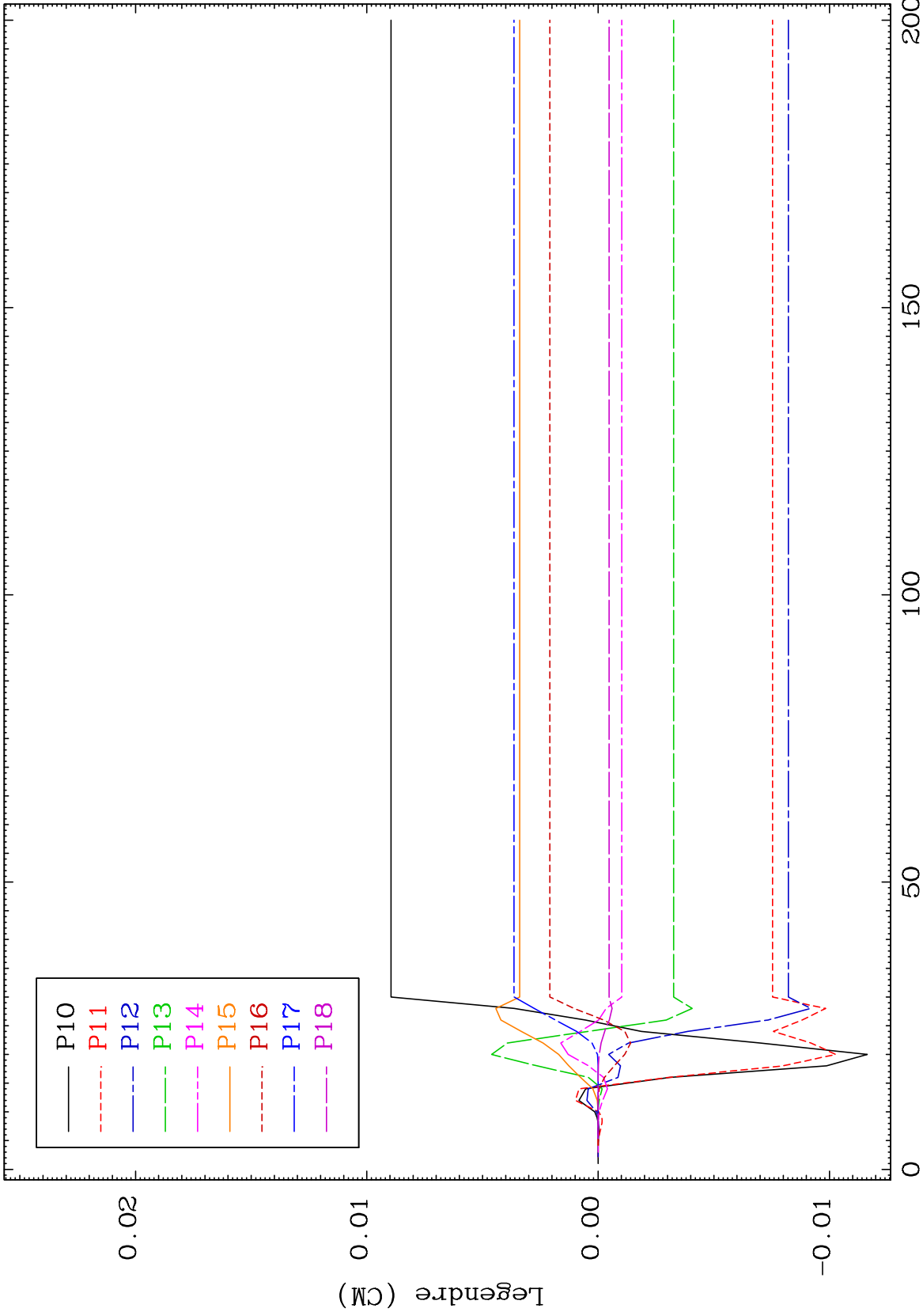
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



70

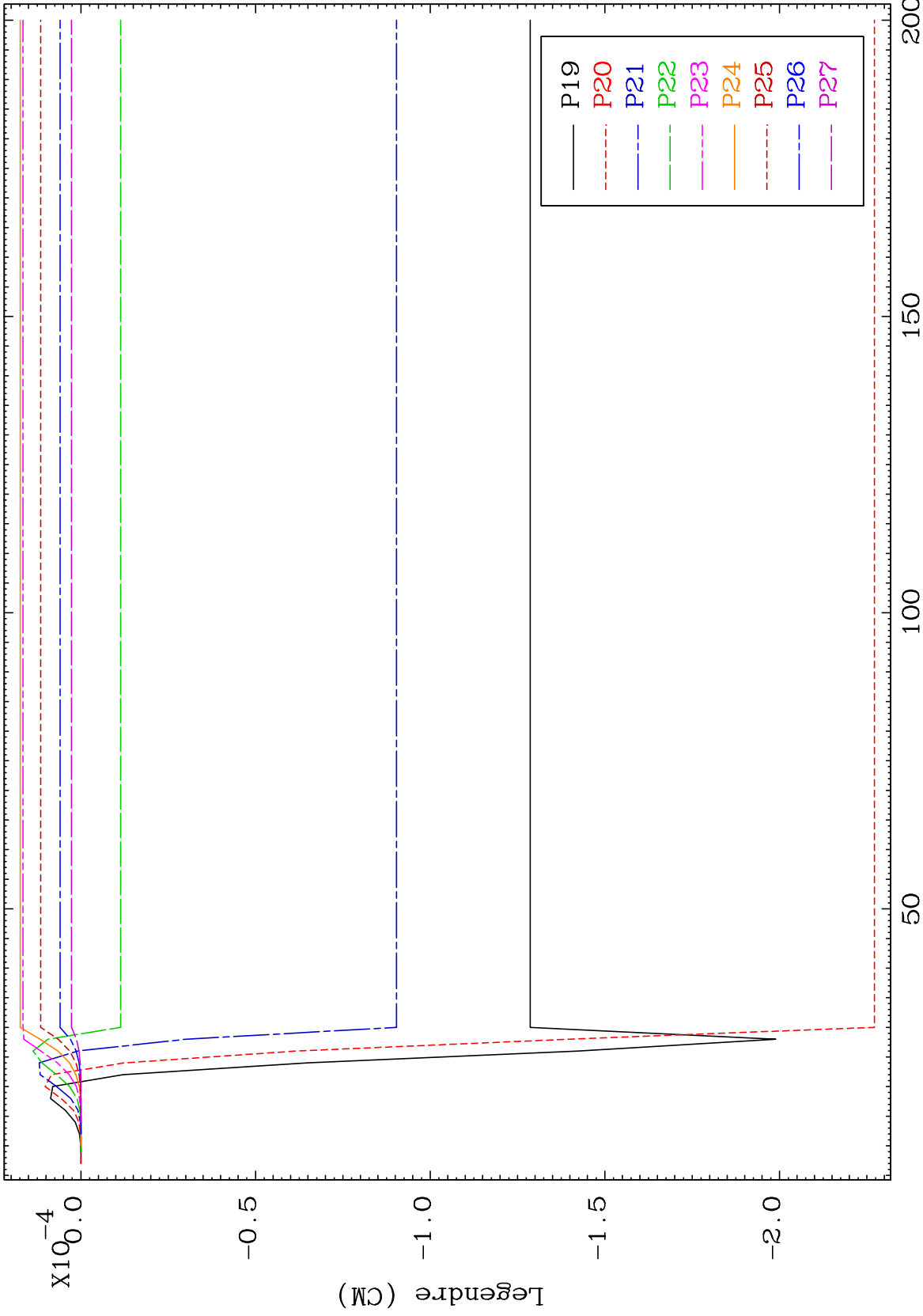
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



64-Gd-157

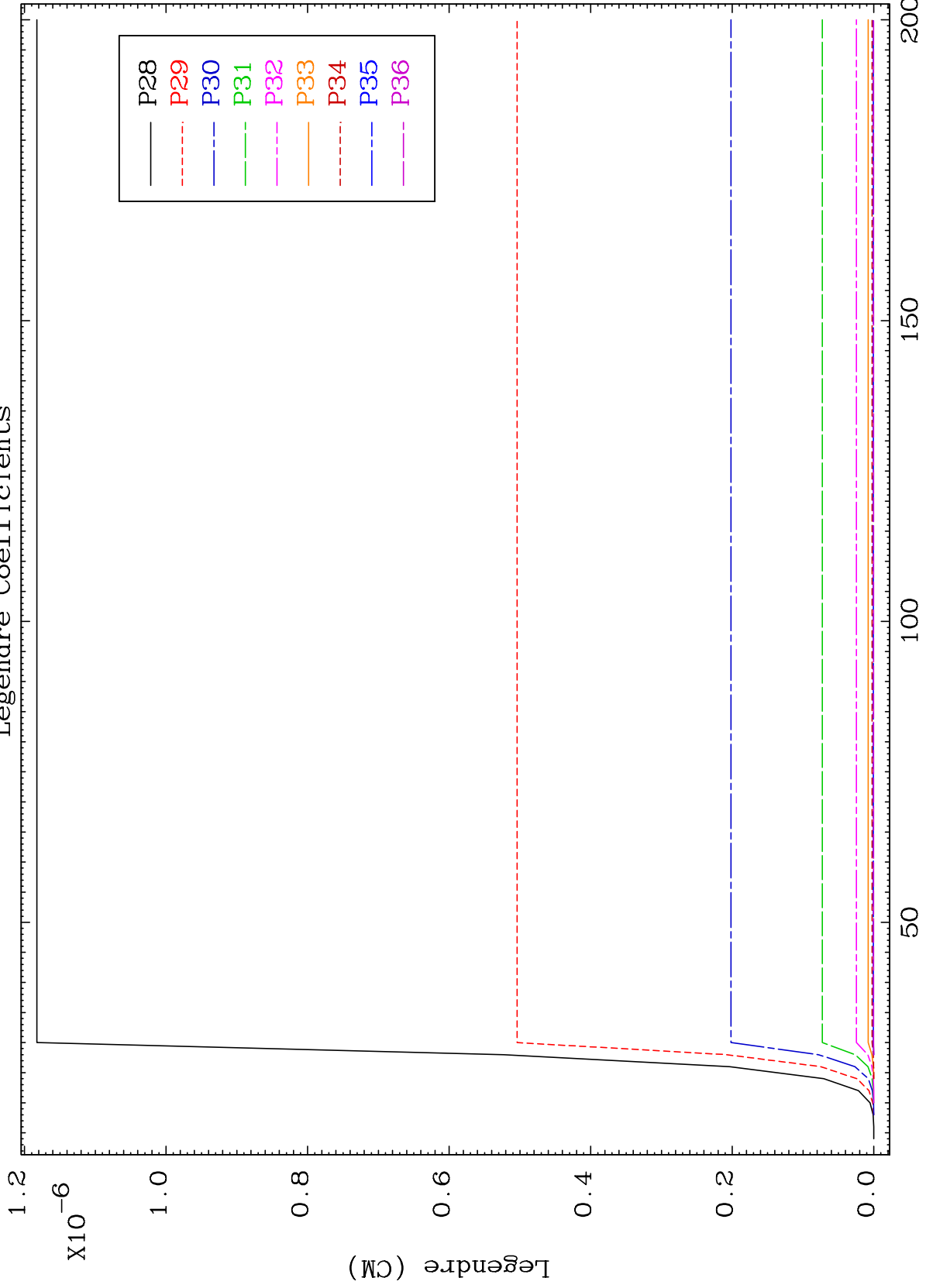
Incident Energy (MeV)

71

MAT 6440

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

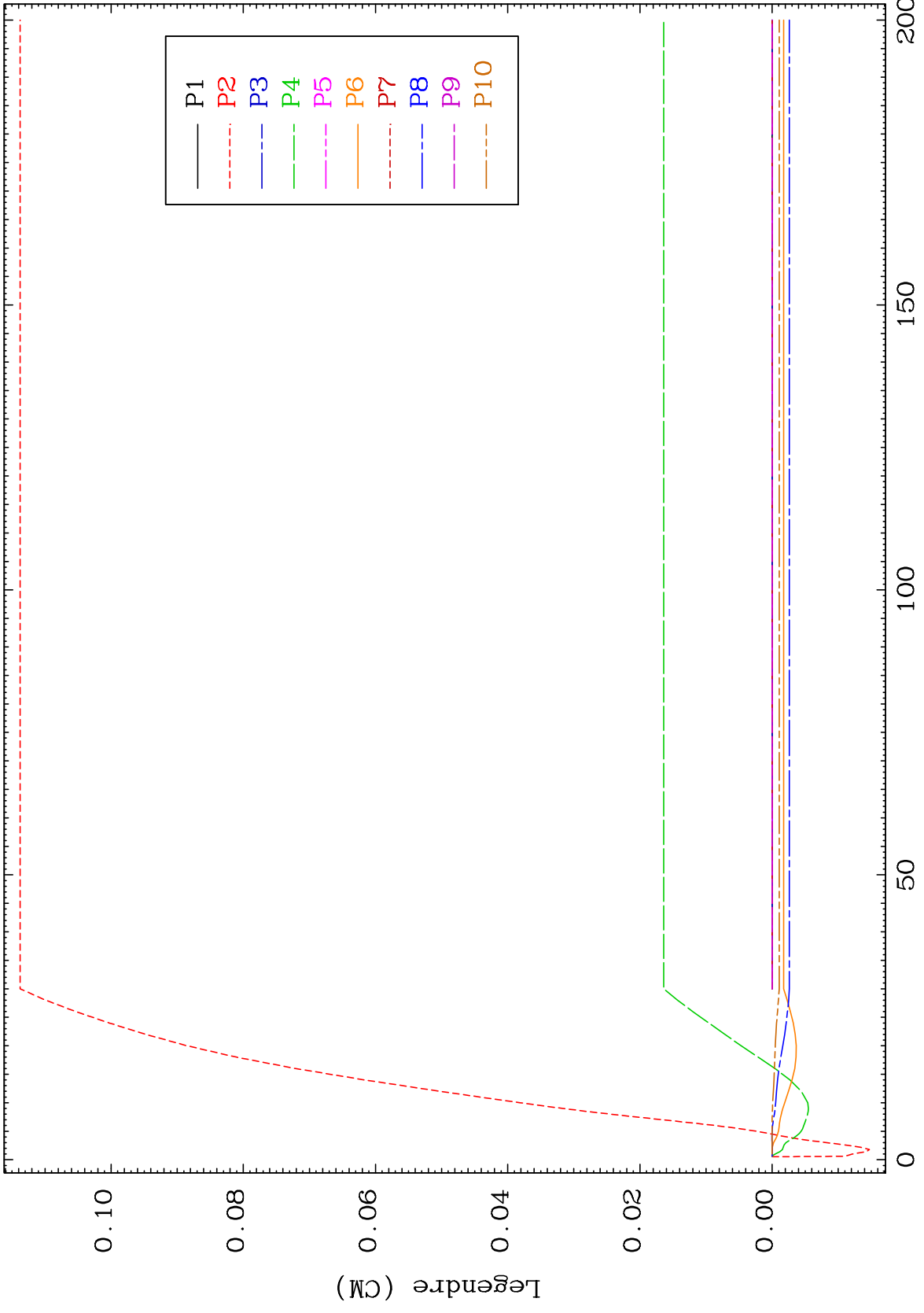
64-Gd-157



64-Gd-157

72

MAT 6440 MT= 67 (n,n') Level Legendre Coefficients 64-Gd-157

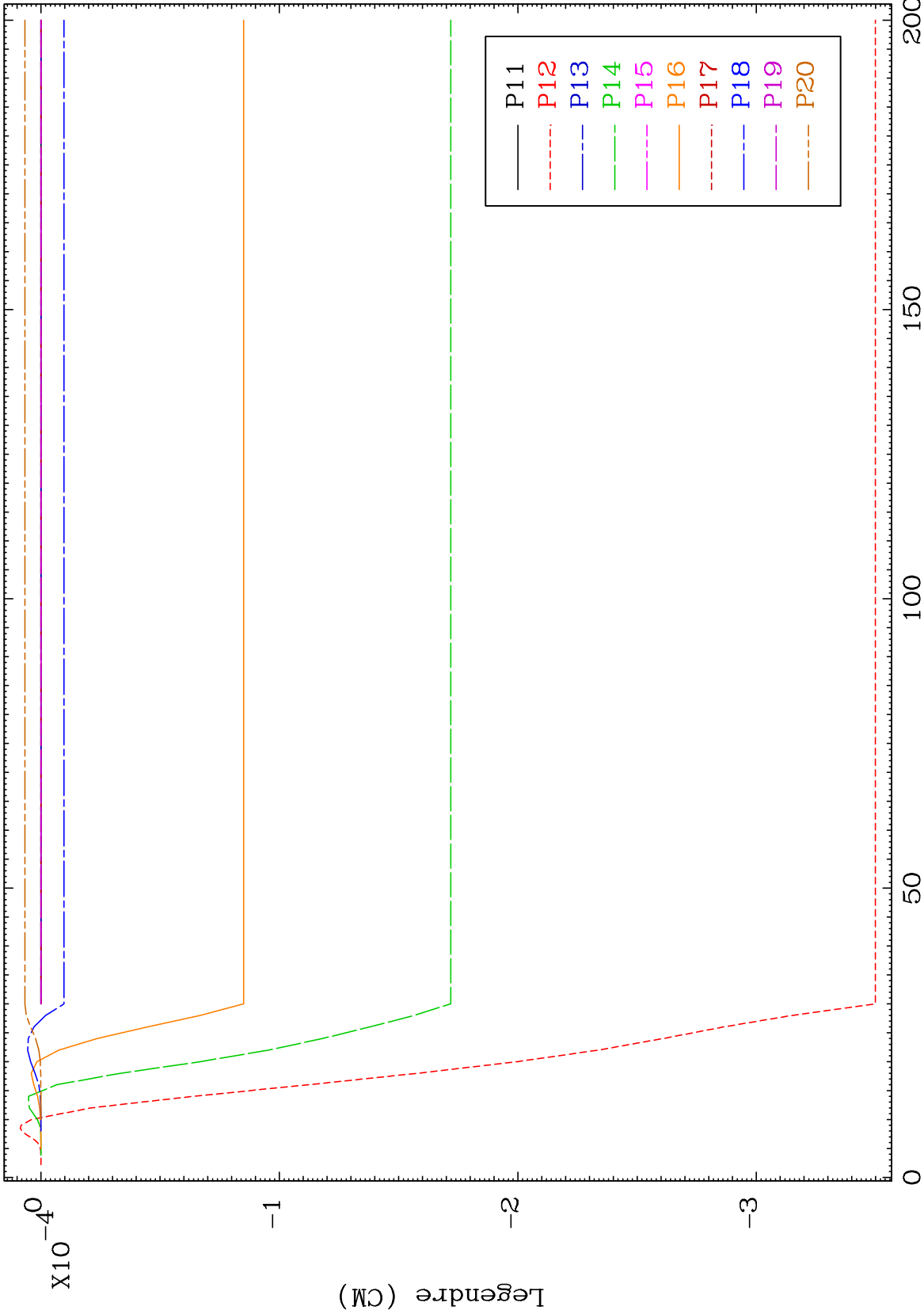


73 64-Gd-157

MAT 6440

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

64-Gd-157

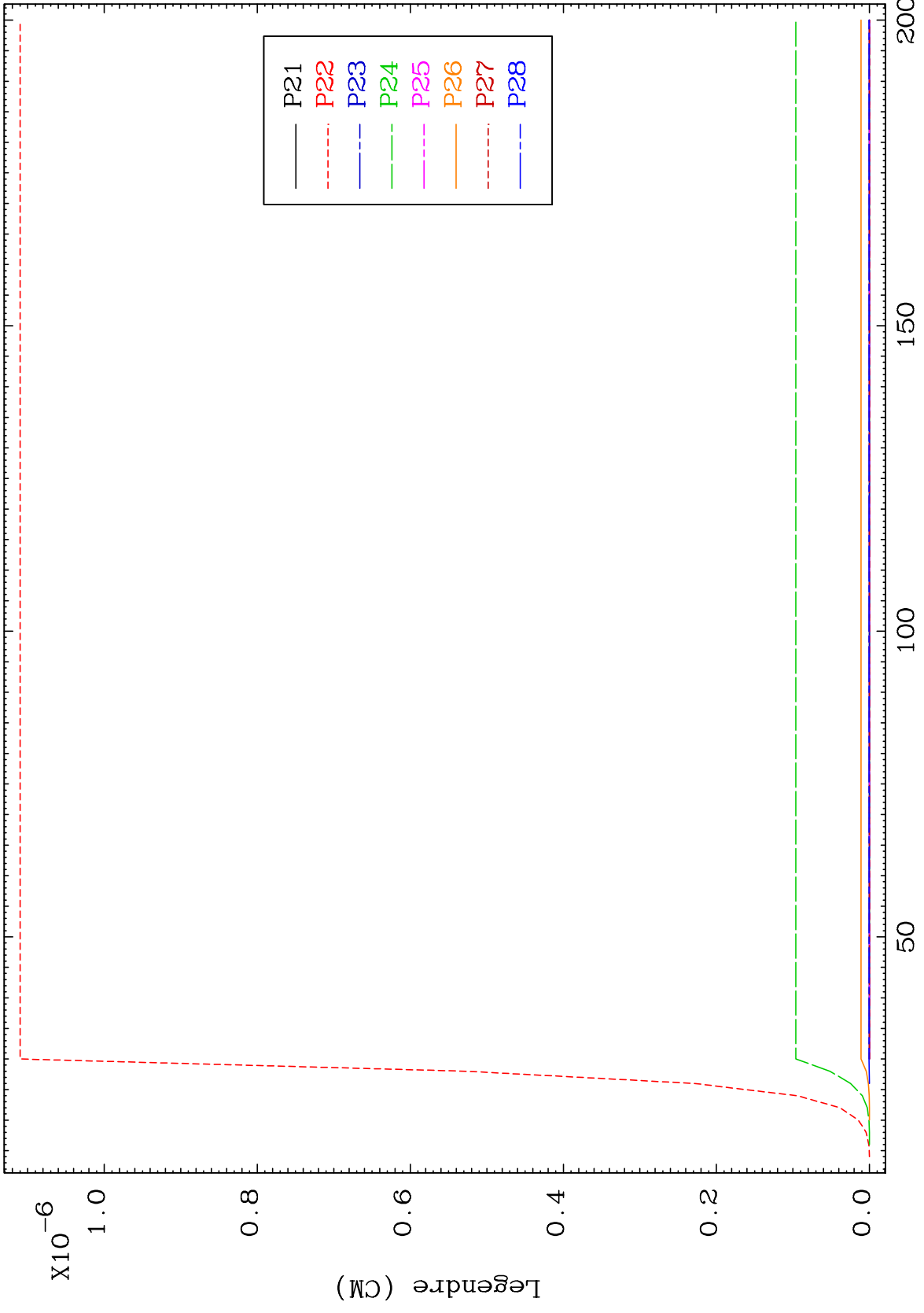


64-Gd-157

Incident Energy (MeV)

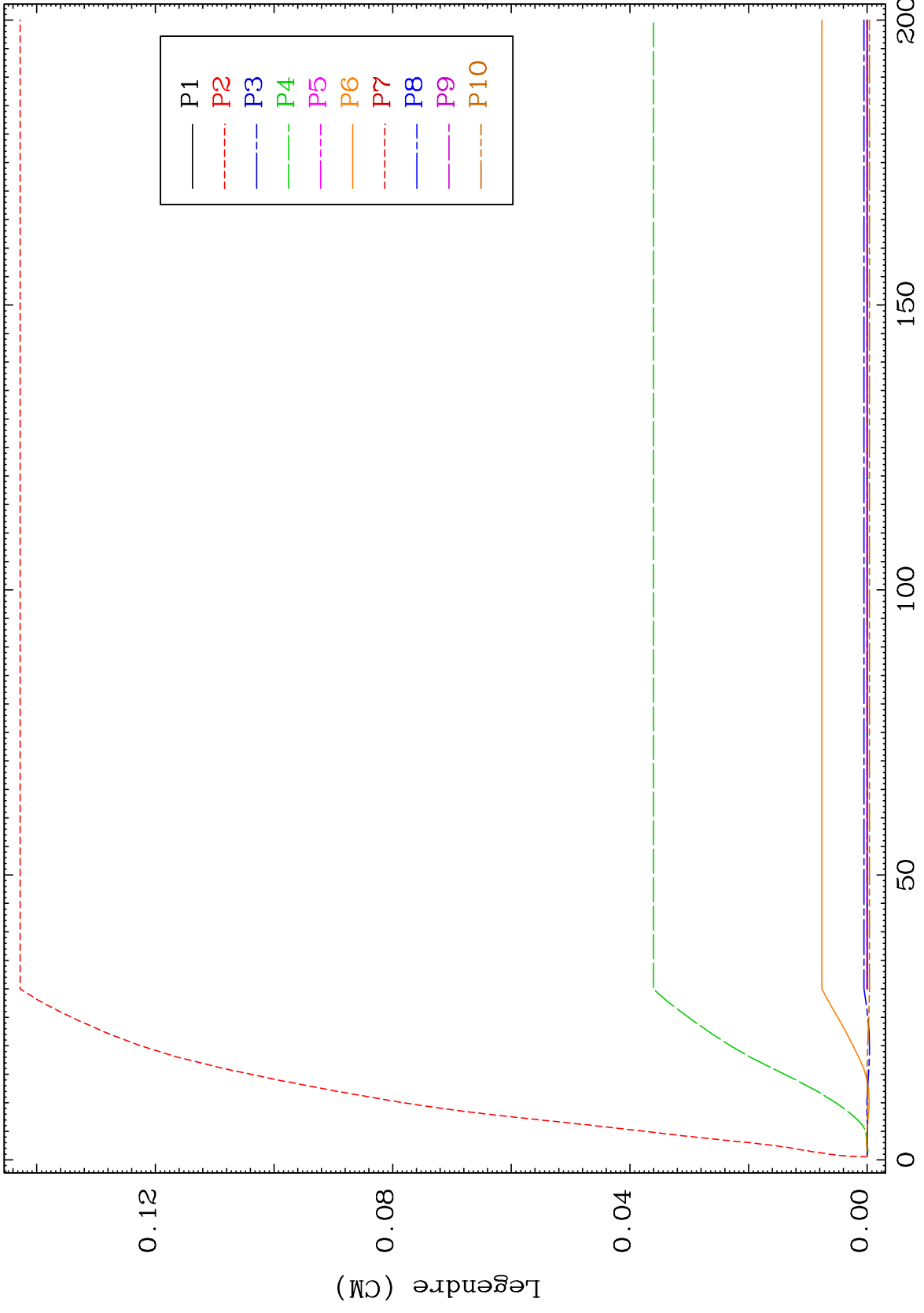
74

MAT 6440 MT= 67 (n,n') Level Legendre Coefficients 64-Gd-157



75 Incident Energy (MeV) 64-Gd-157

MAT 6440 MT= 68 (n,n') Level Legendre Coefficients 64-Gd-157

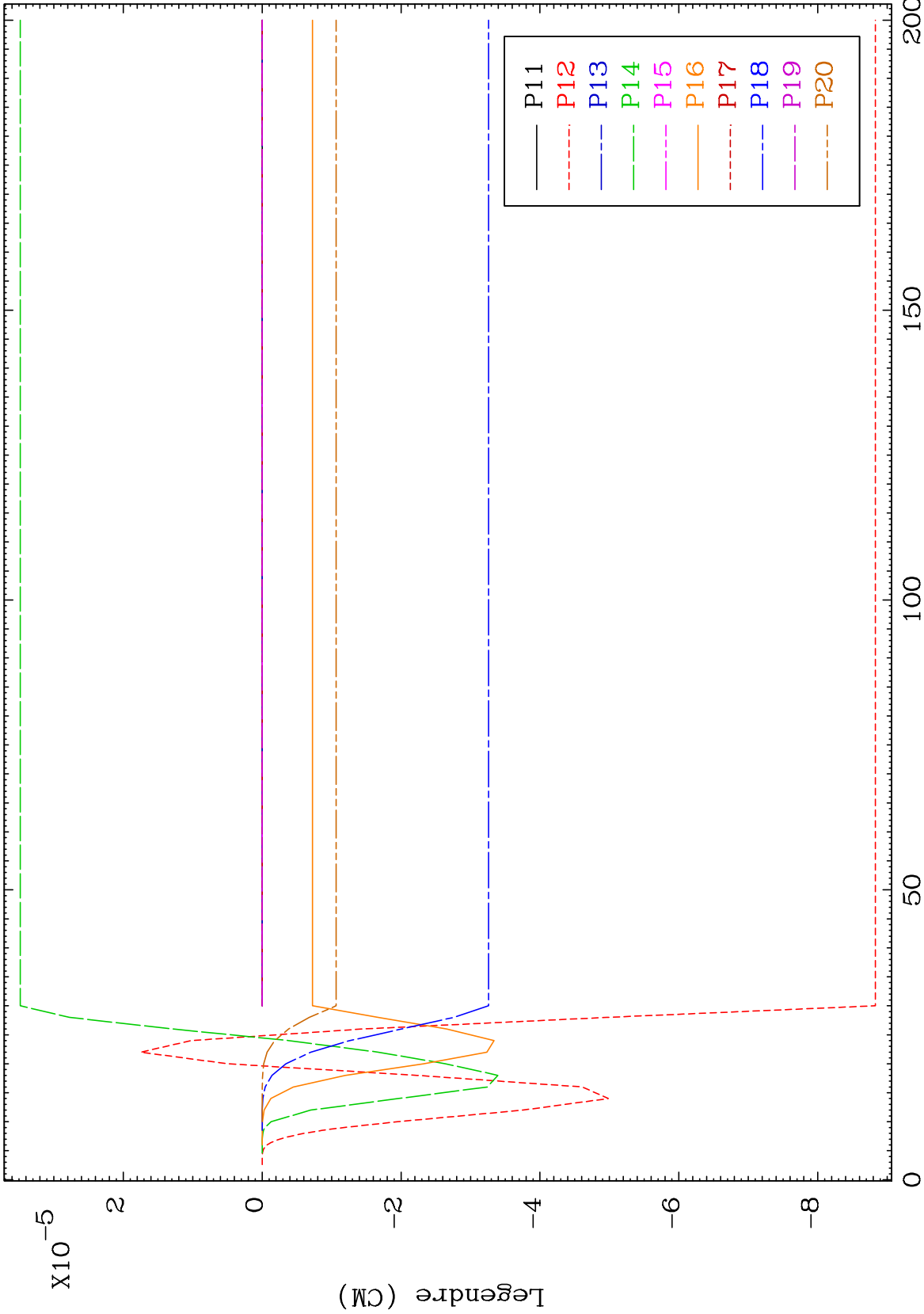


76 64-Gd-157

MAT 6440

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

64-Gd-157

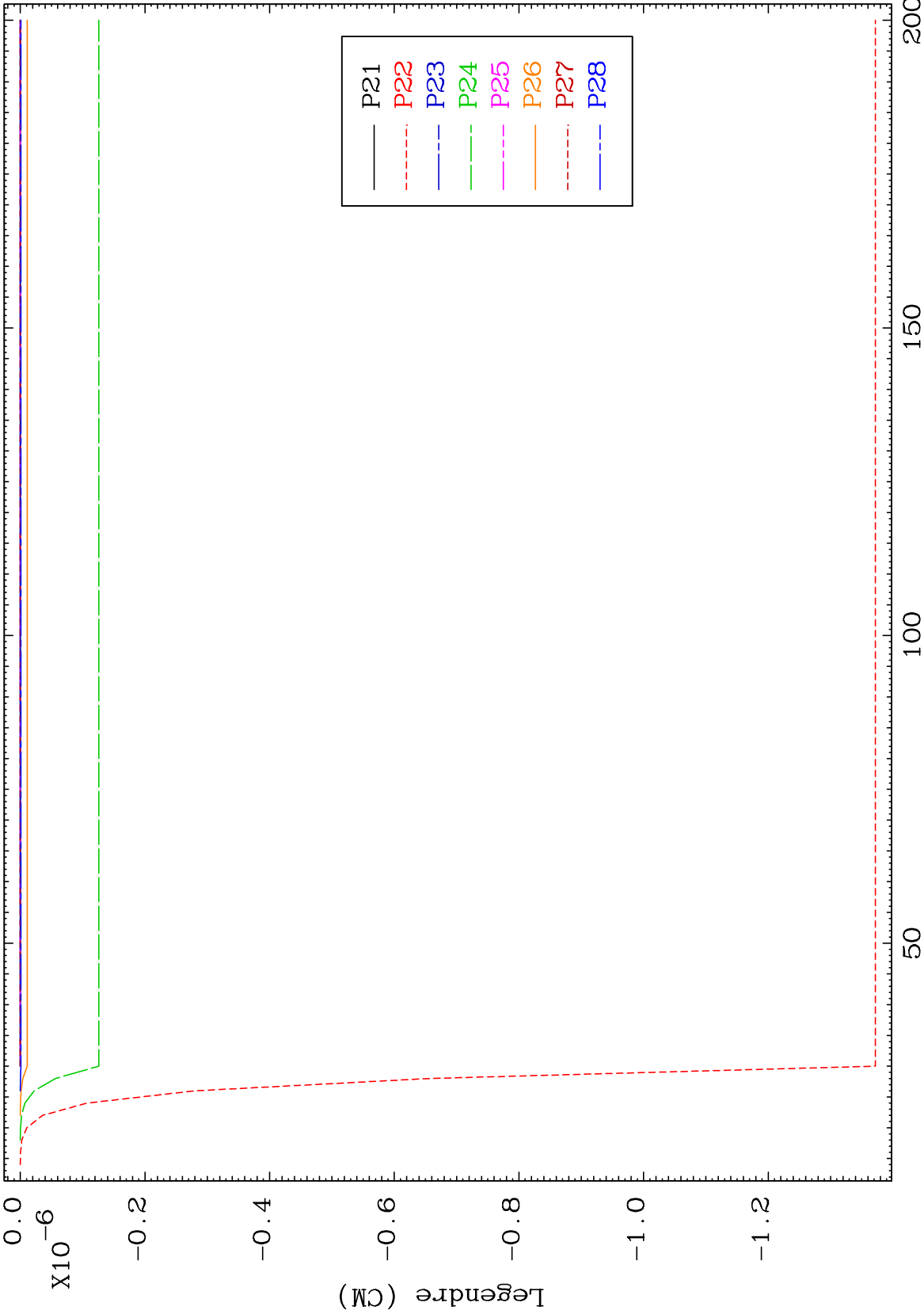


77

Incident Energy (MeV)

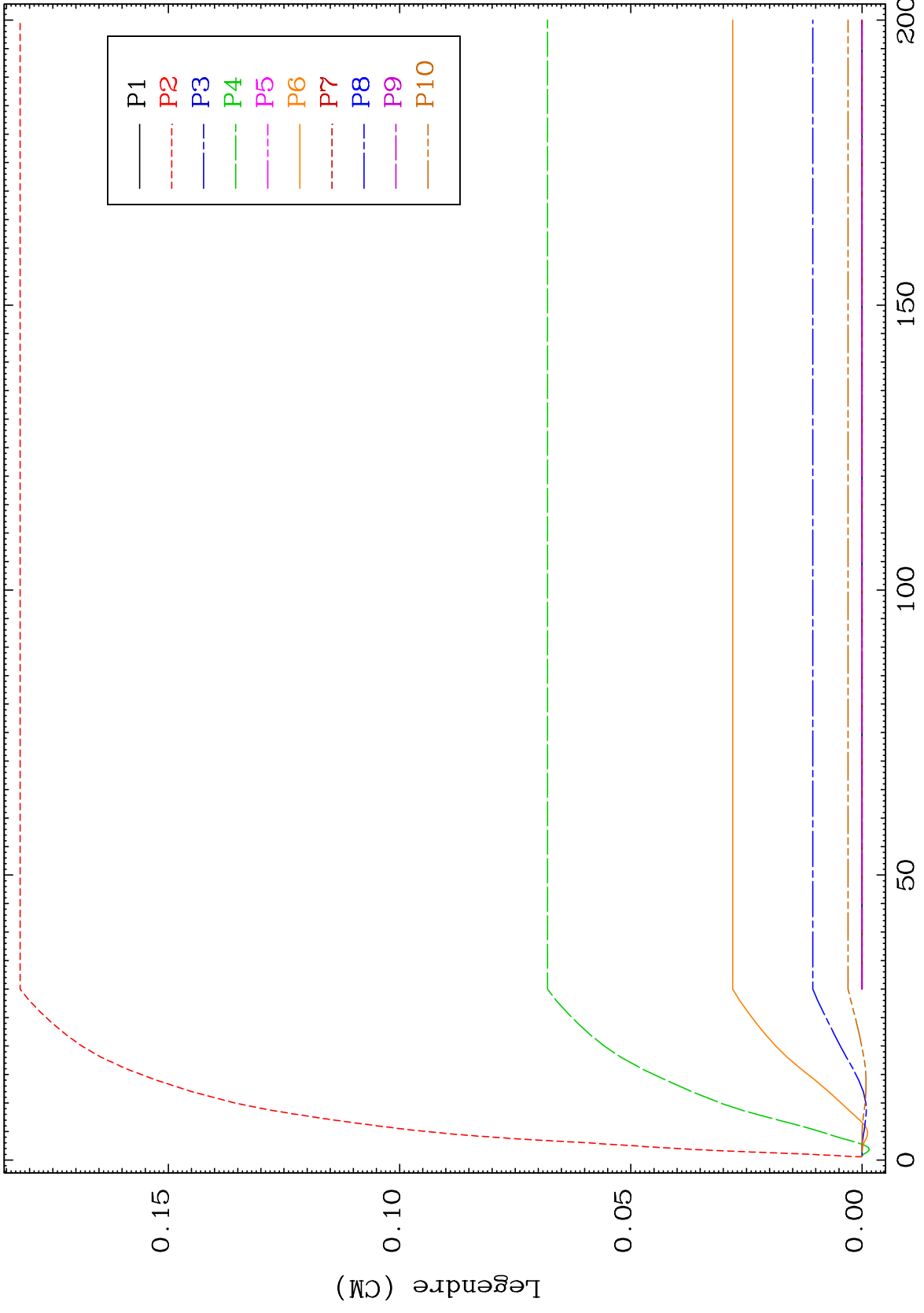
64-Gd-157

MAT 6440 MT= 68 (n,n') Level Legendre Coefficients 64-Gd-157



78 64-Gd-157

MAT 6440 MT= 69 (n,n') Level Legendre Coefficients 64-Gd-157

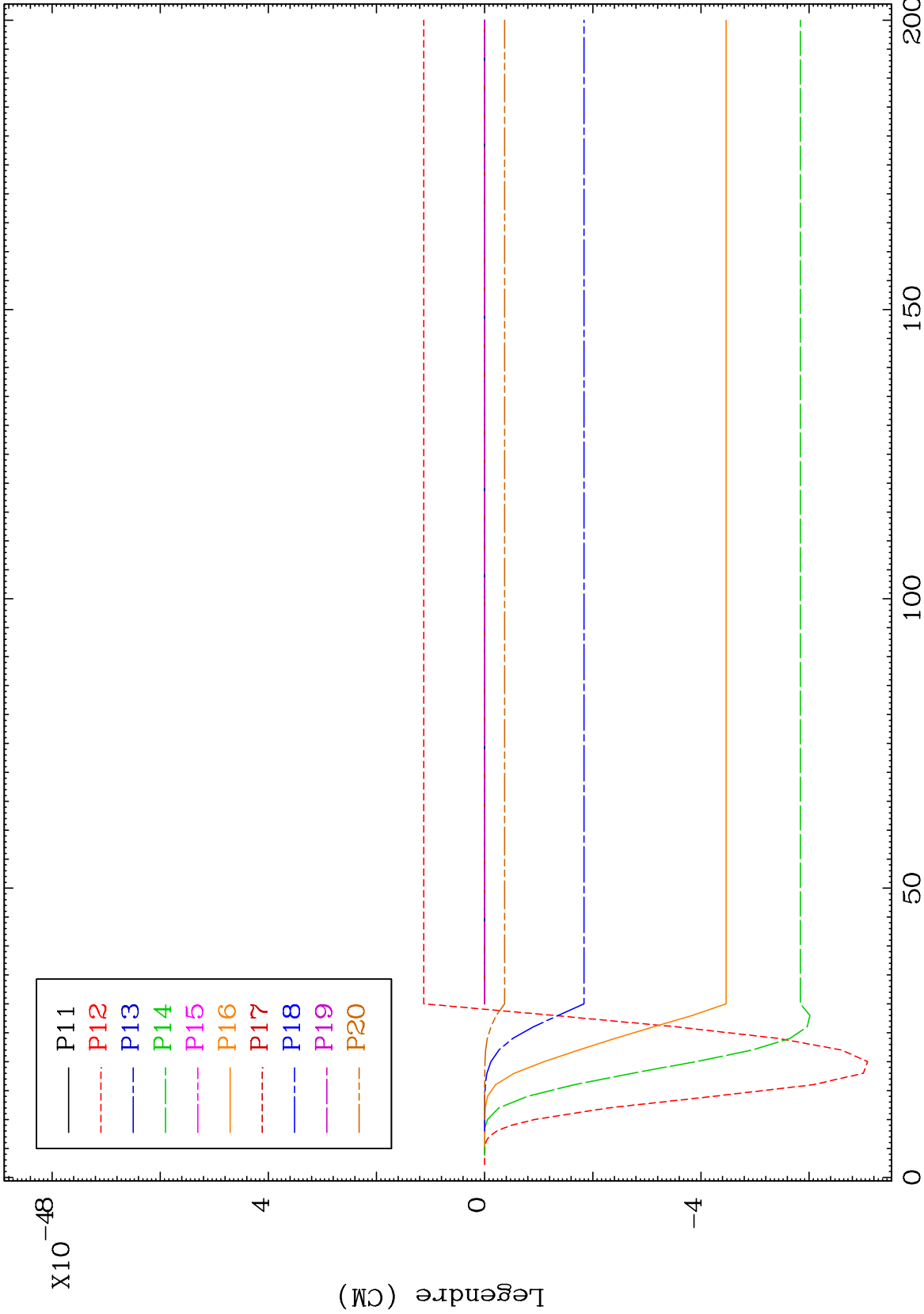


79 64-Gd-157

MAT 6440

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

64-Gd-157



0

50

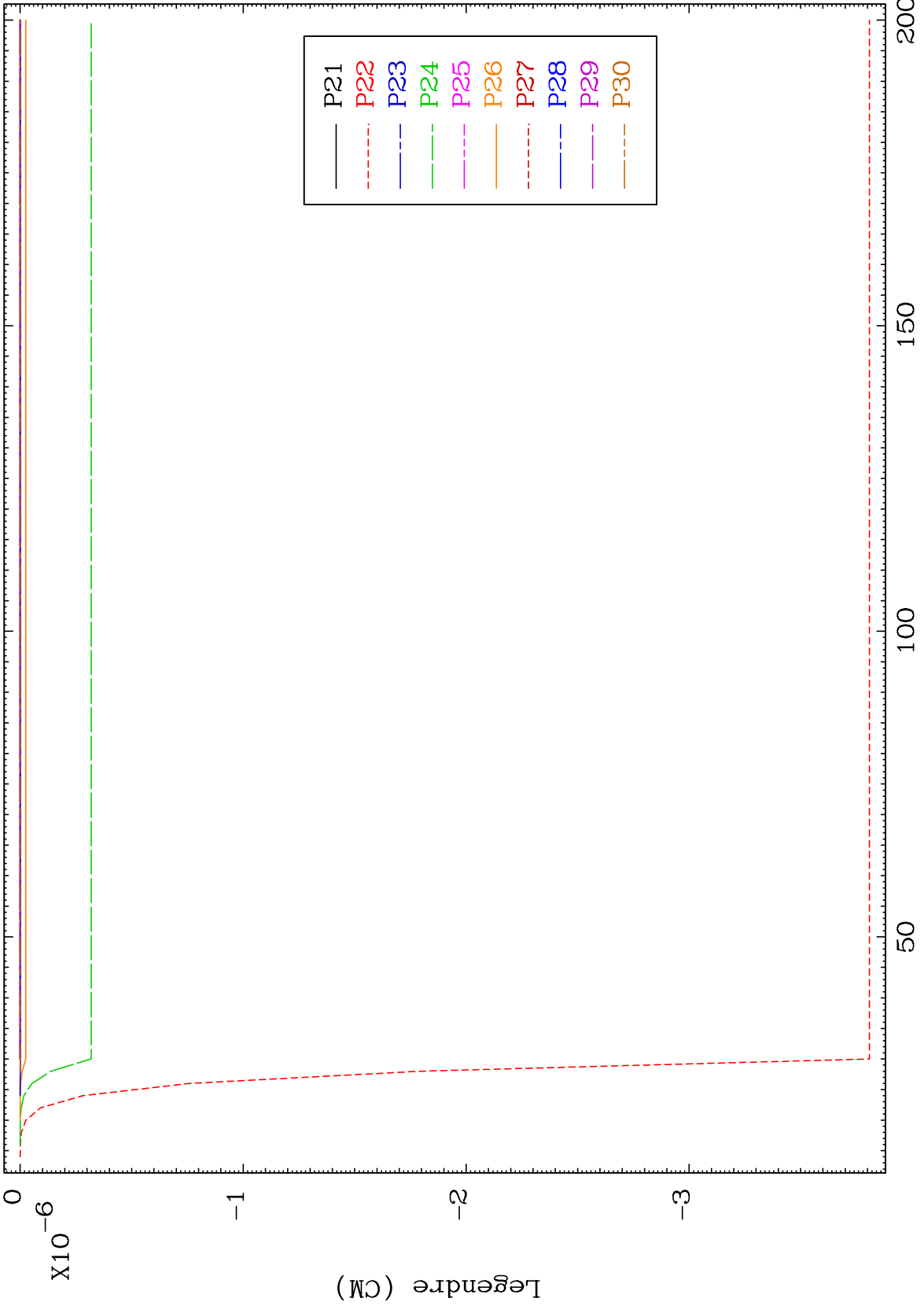
100

150

200

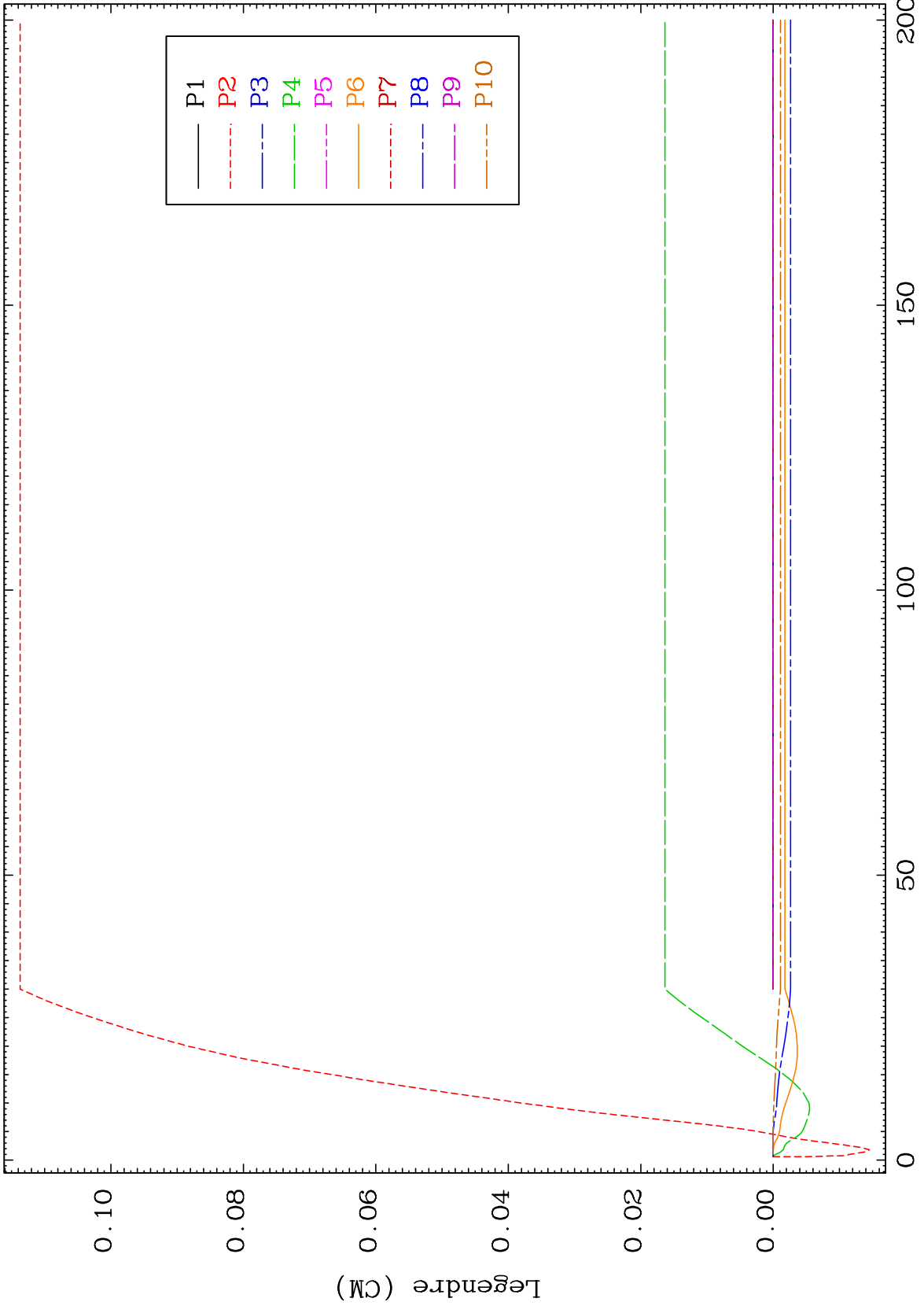
64-Gd-157

MAT 6440 MT= 69 (n,n') Level Legendre Coefficients 64-Gd-157



81 64-Gd-157

MAT 6440 MT= 70 (n,n') Level Legendre Coefficients 64-Gd-157

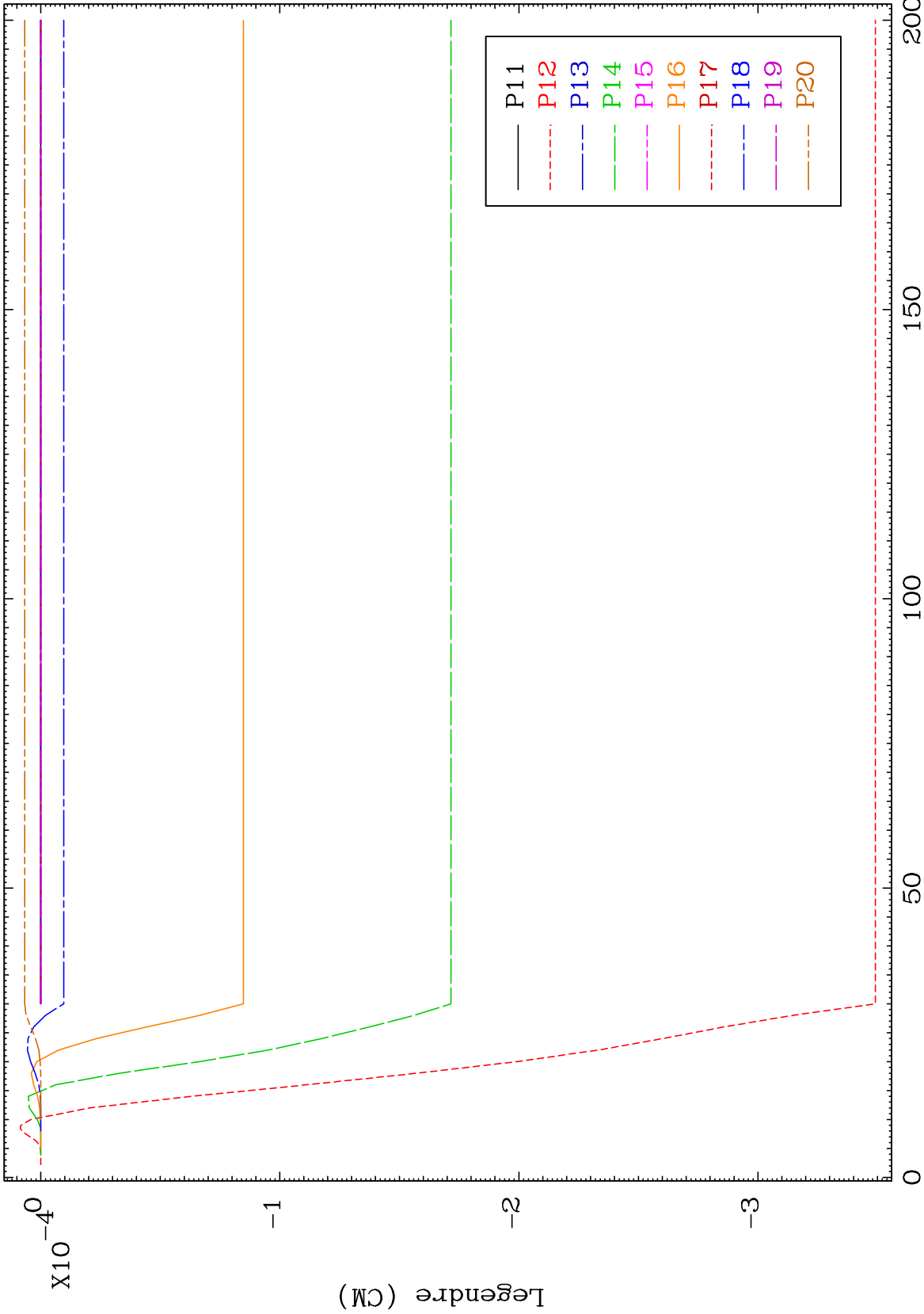


82 64-Gd-157

MAT 6440

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

64-Gd-157

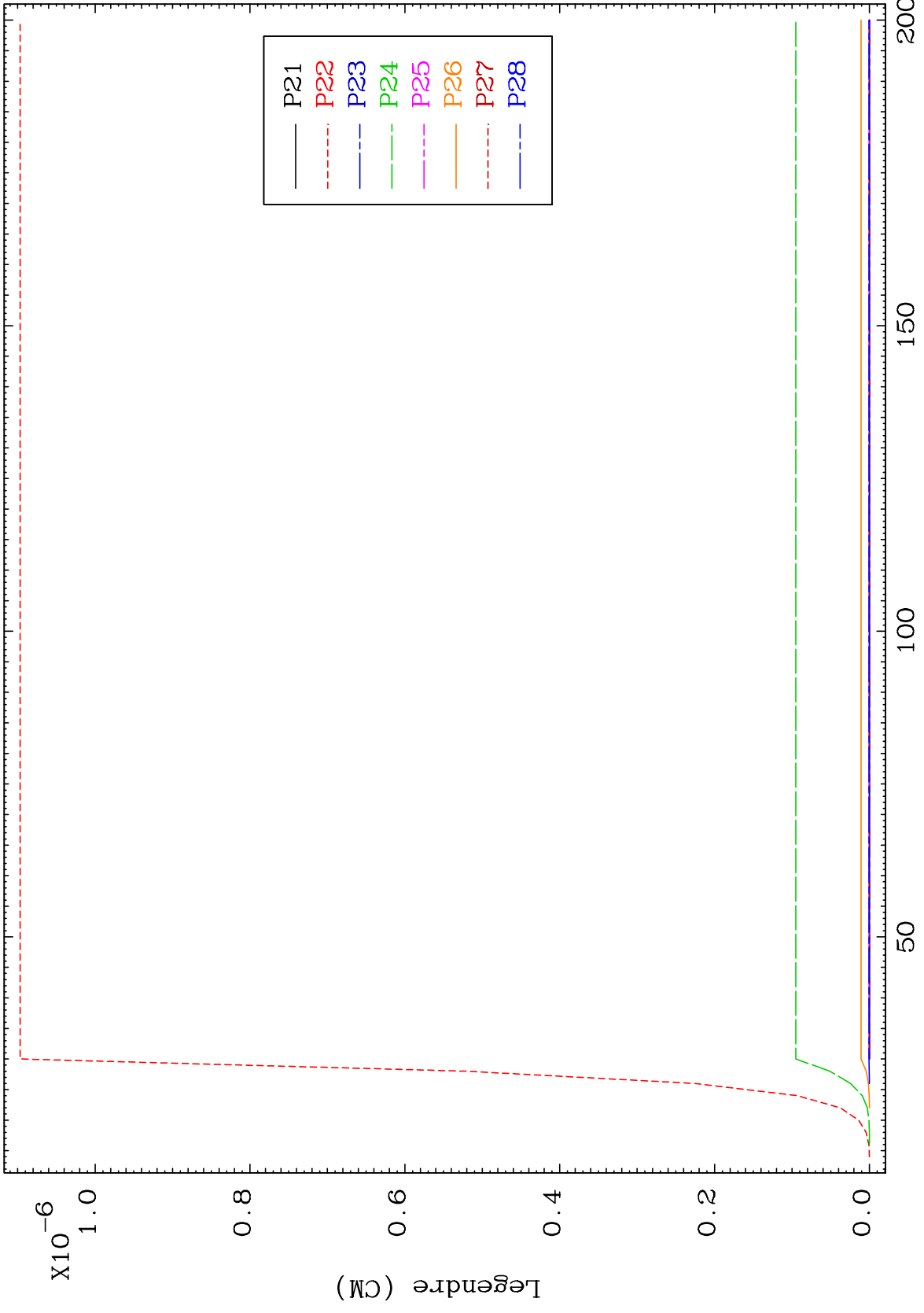


64-Gd-157

Incident Energy (MeV)

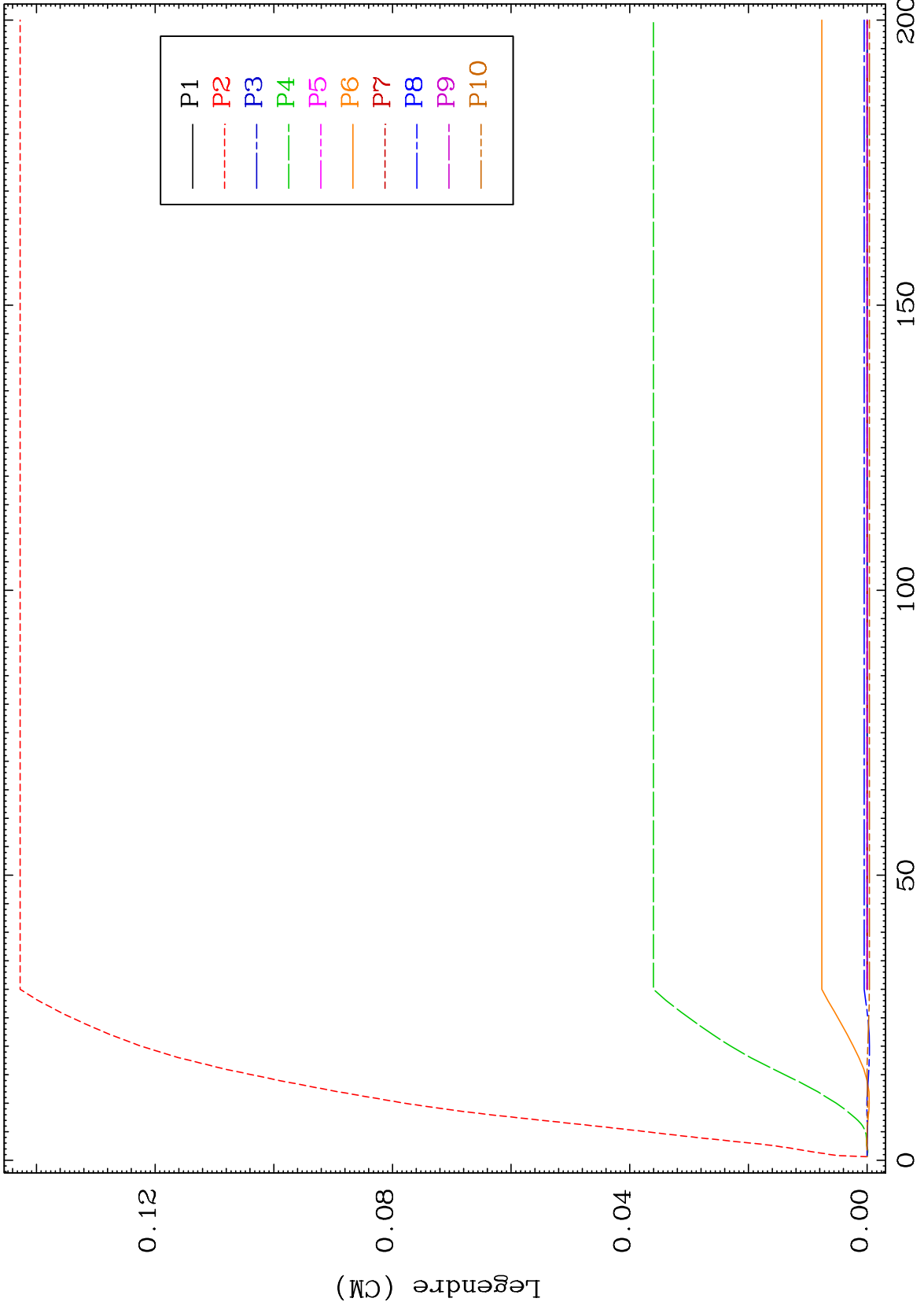
83

MAT 6440 MT= 70 (n,n') Level Legendre Coefficients 64-Gd-157



84 64-Gd-157

MAT 6440 MT= 71 (n,n') Level Legendre Coefficients 64-Gd-157

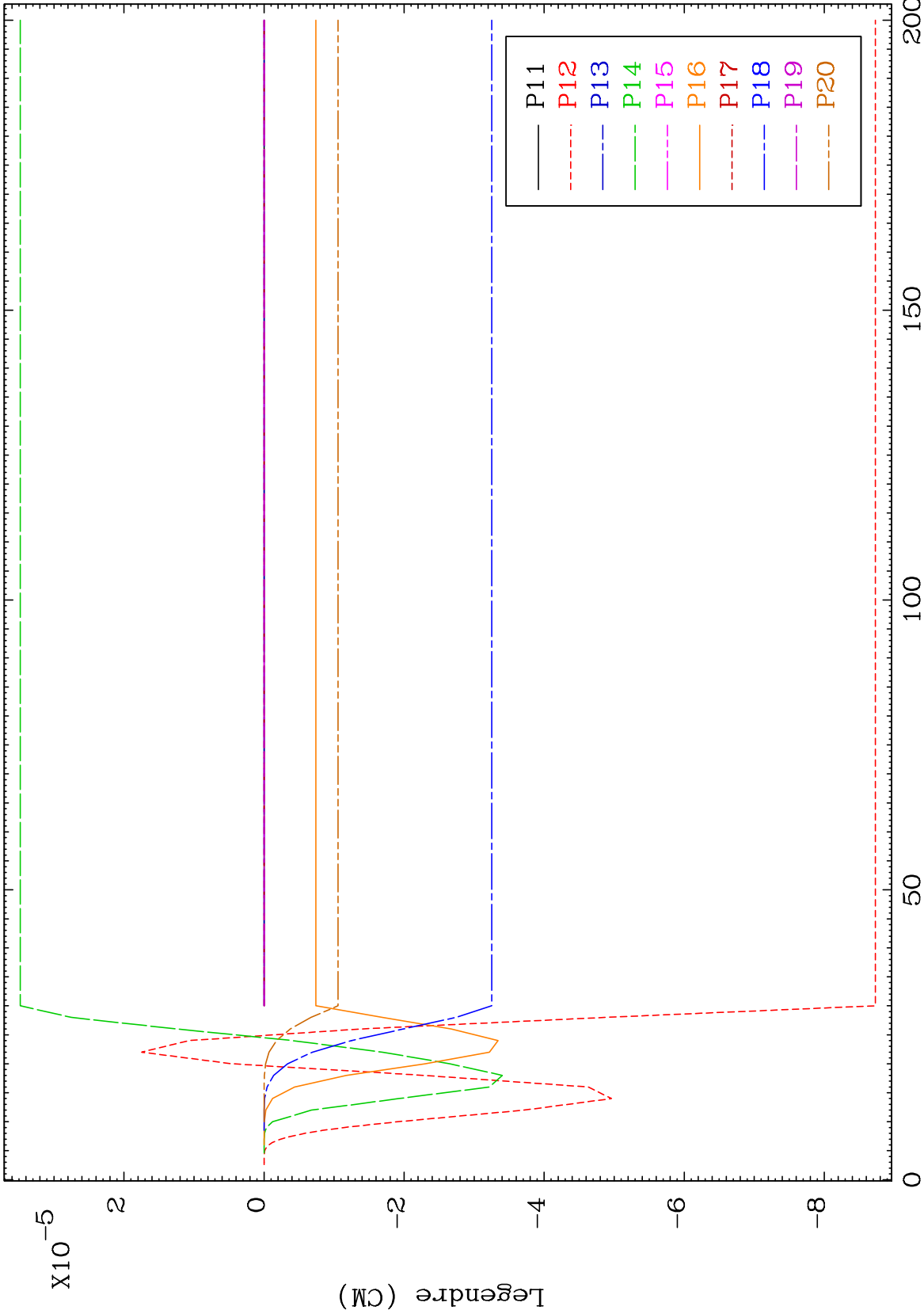


85 Incident Energy (MeV) 64-Gd-157

MAT 6440

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

64-Gd-157



86

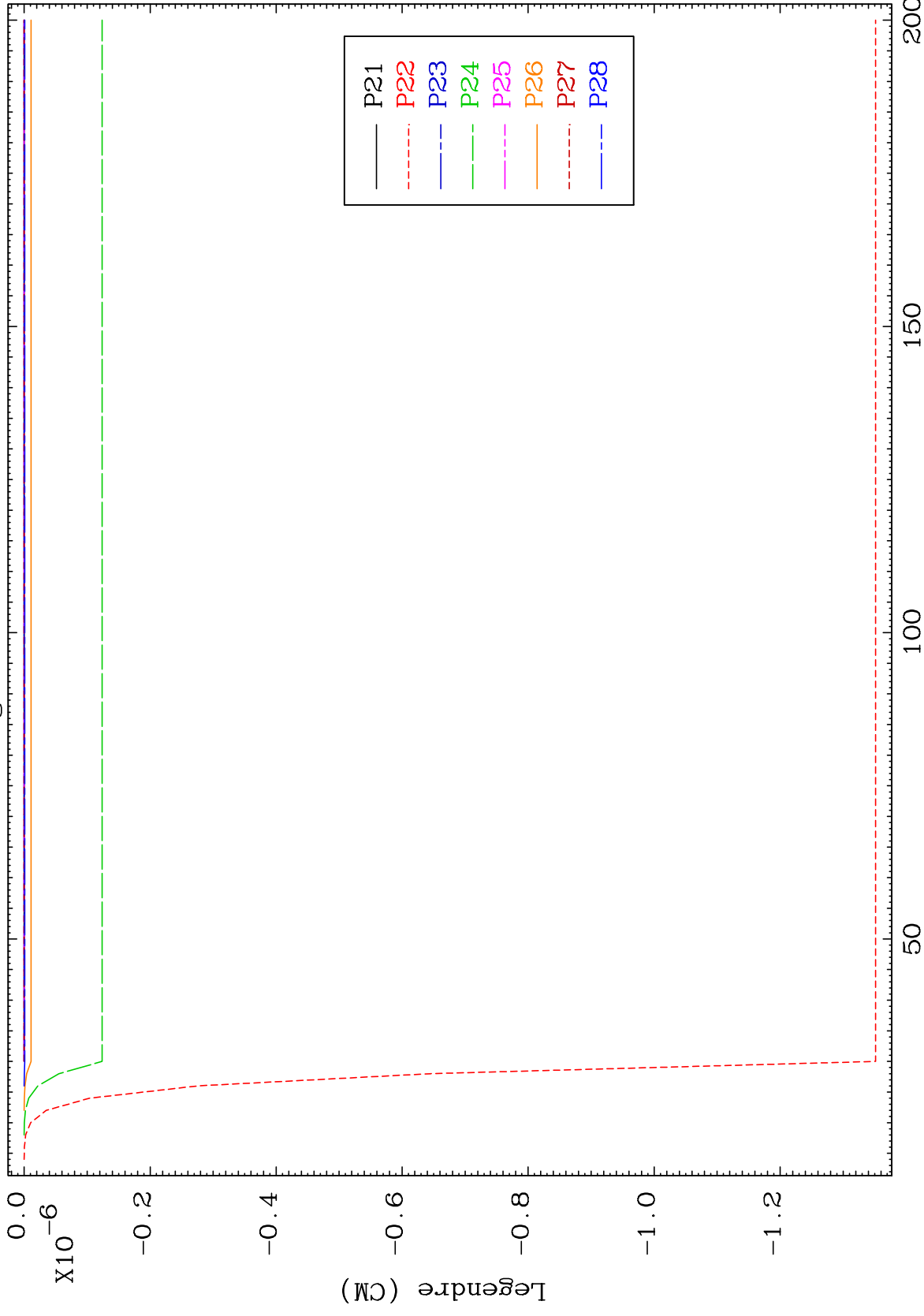
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



64-Gd-157

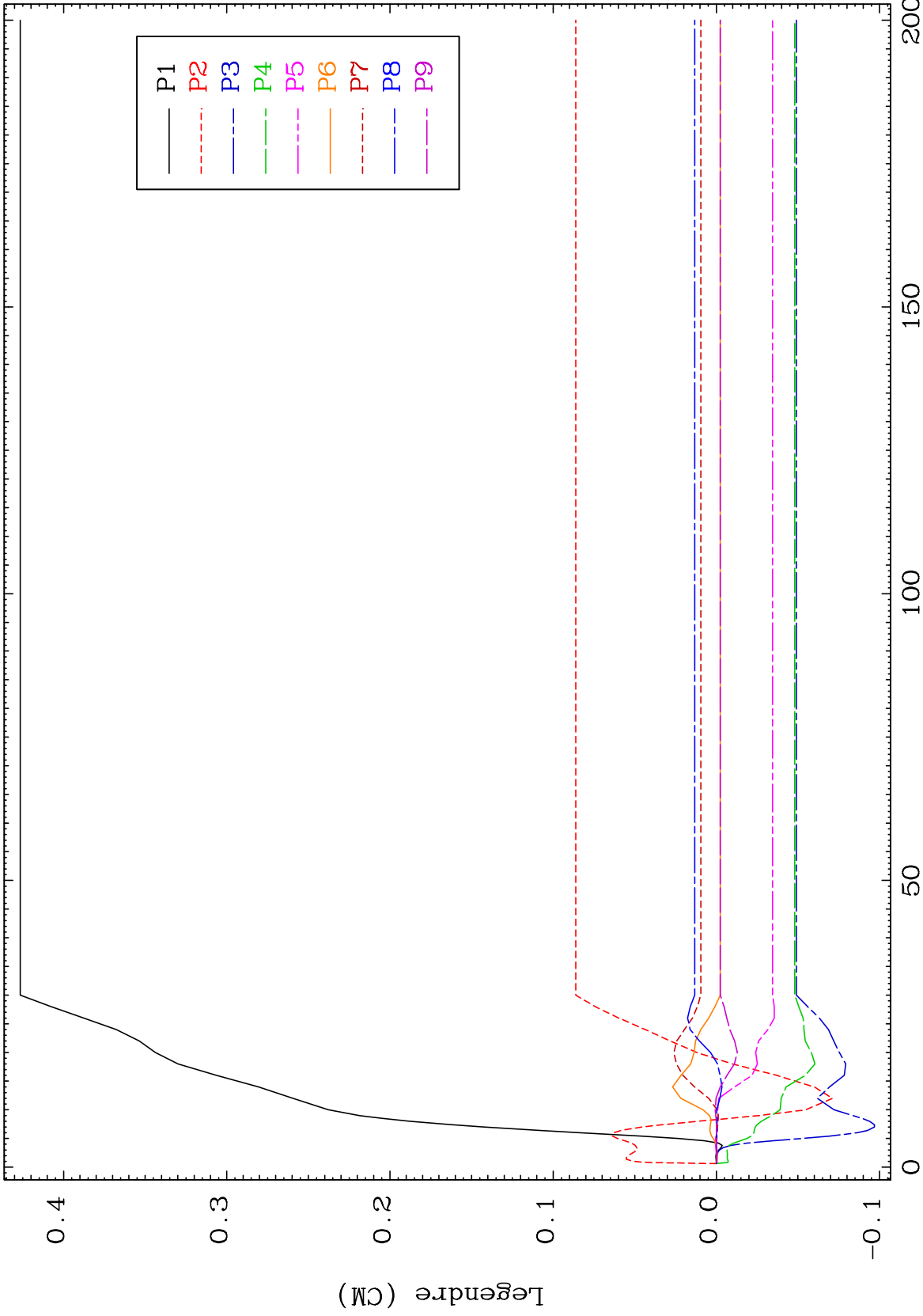
Incident Energy (MeV)

87

MAT 6440

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

64-Gd-157



88

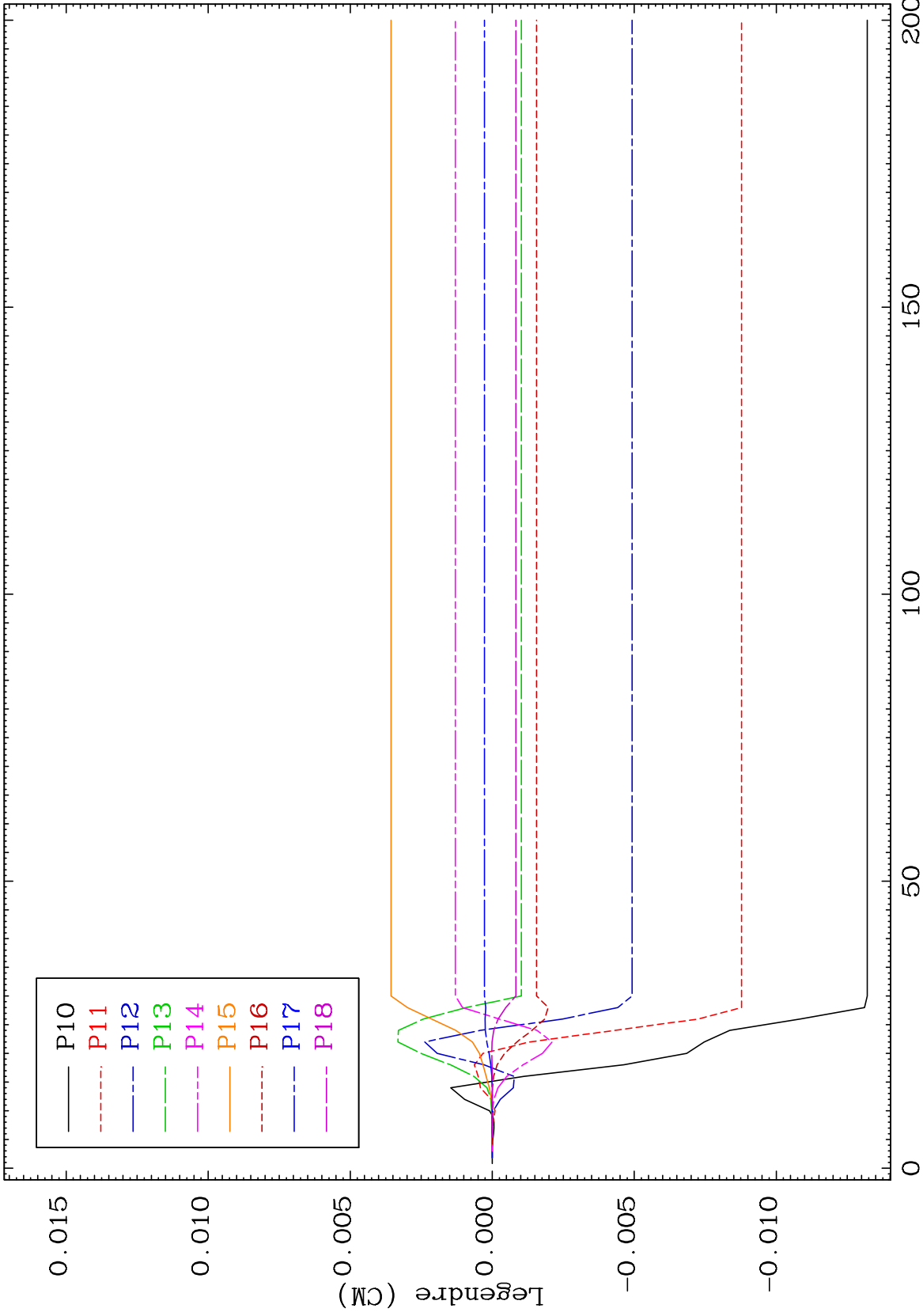
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



89

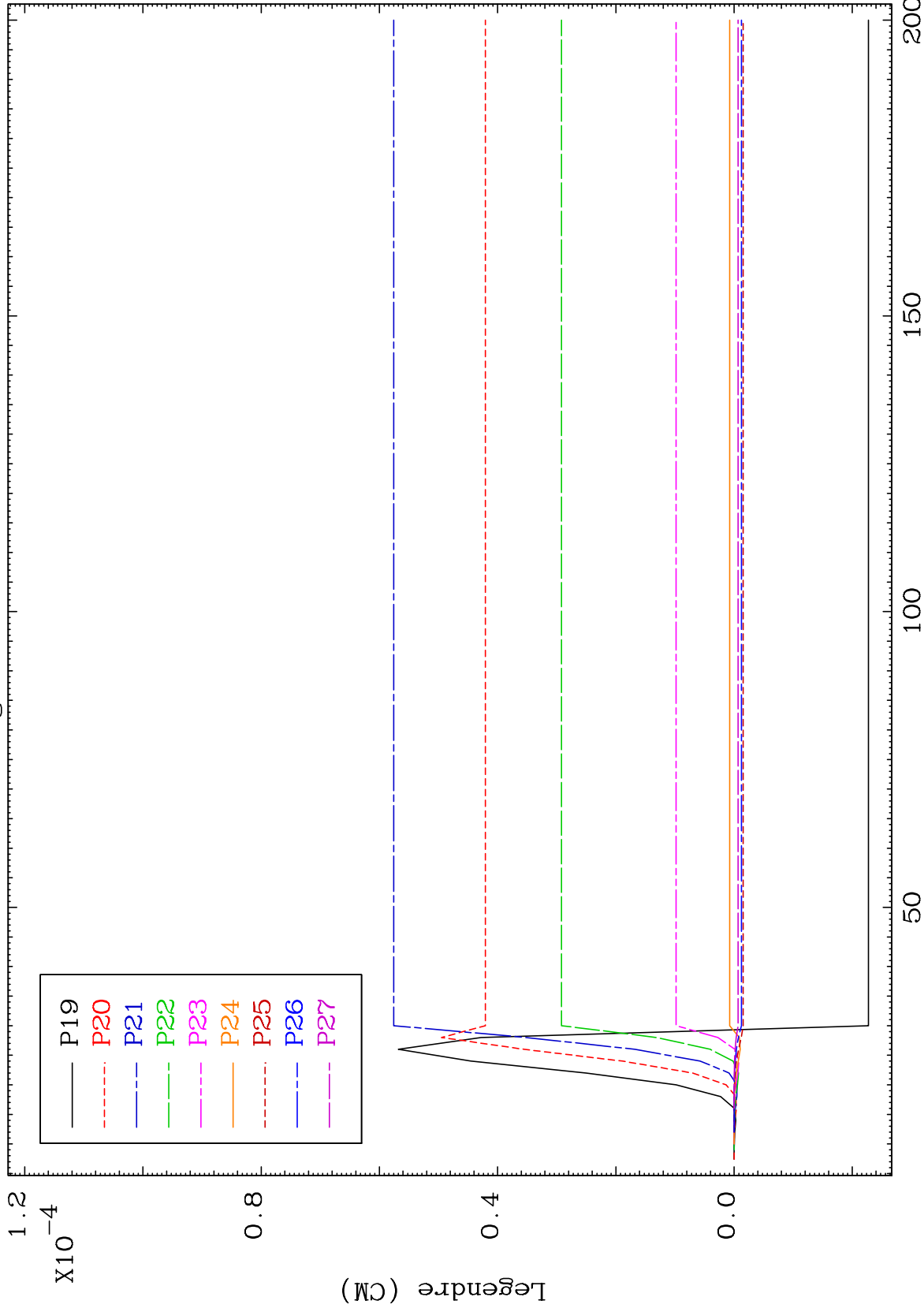
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



90

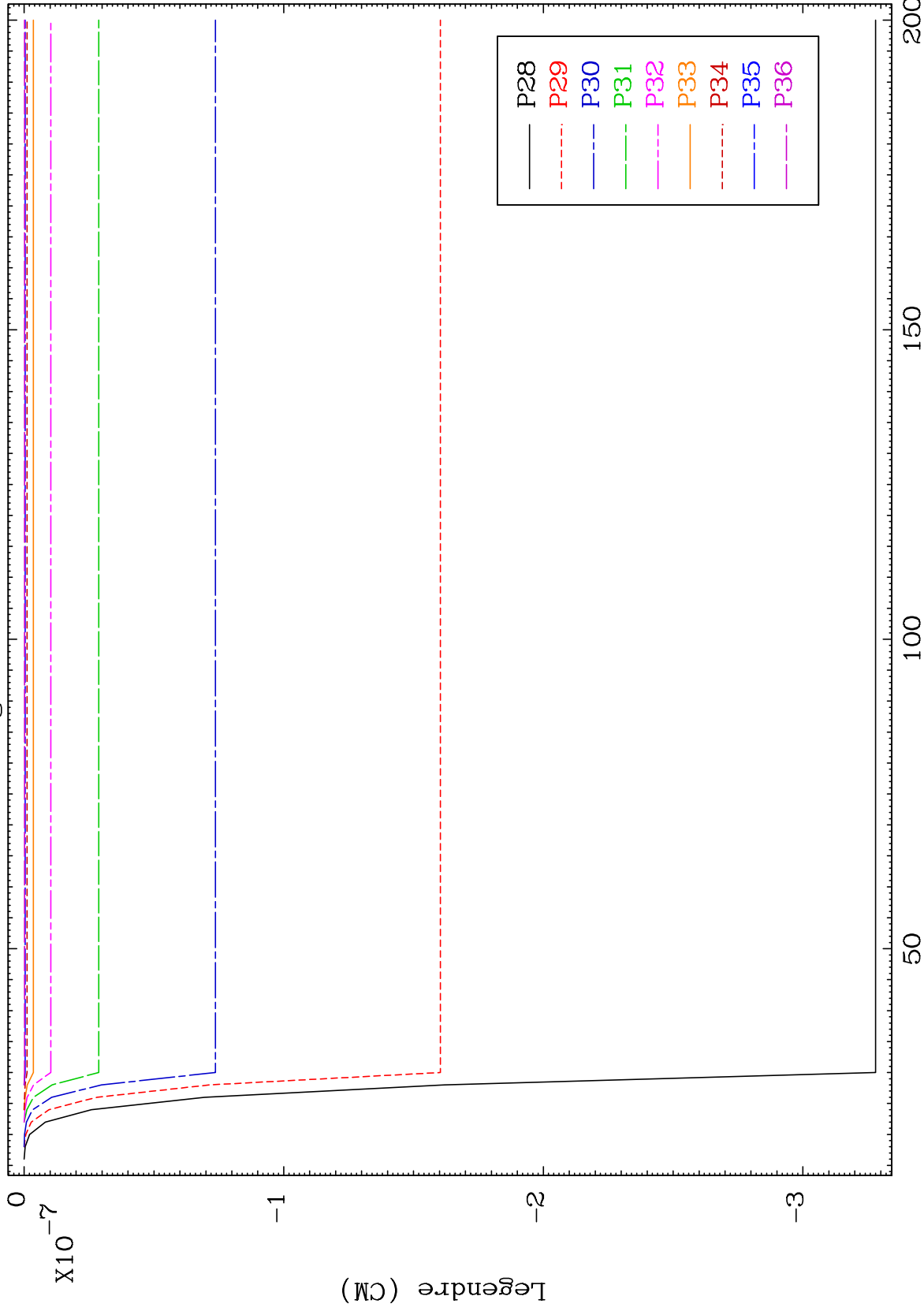
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



64-Gd-157

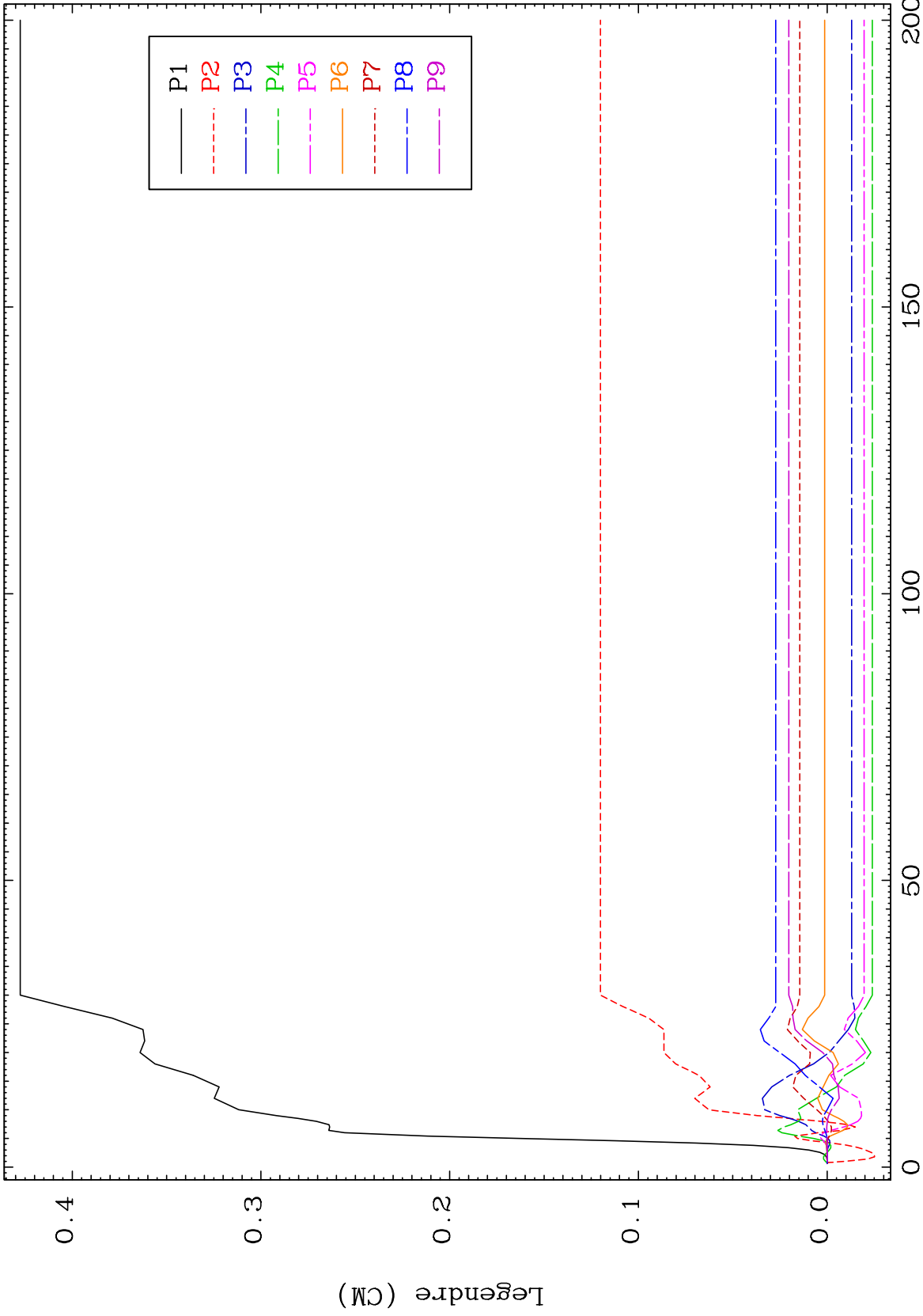
Incident Energy (MeV)

91

MAT 6440

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

64-Gd-157



92

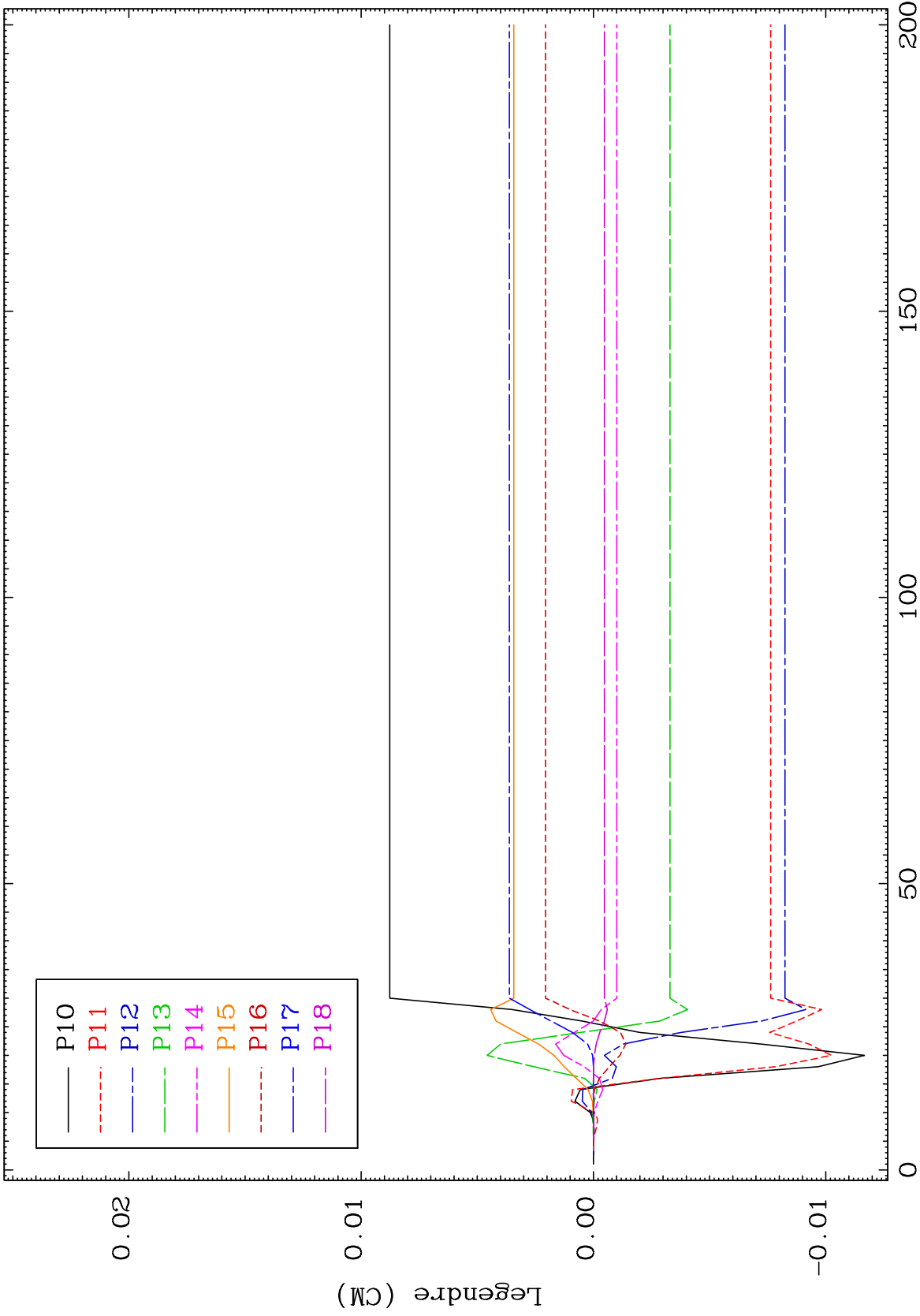
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



93

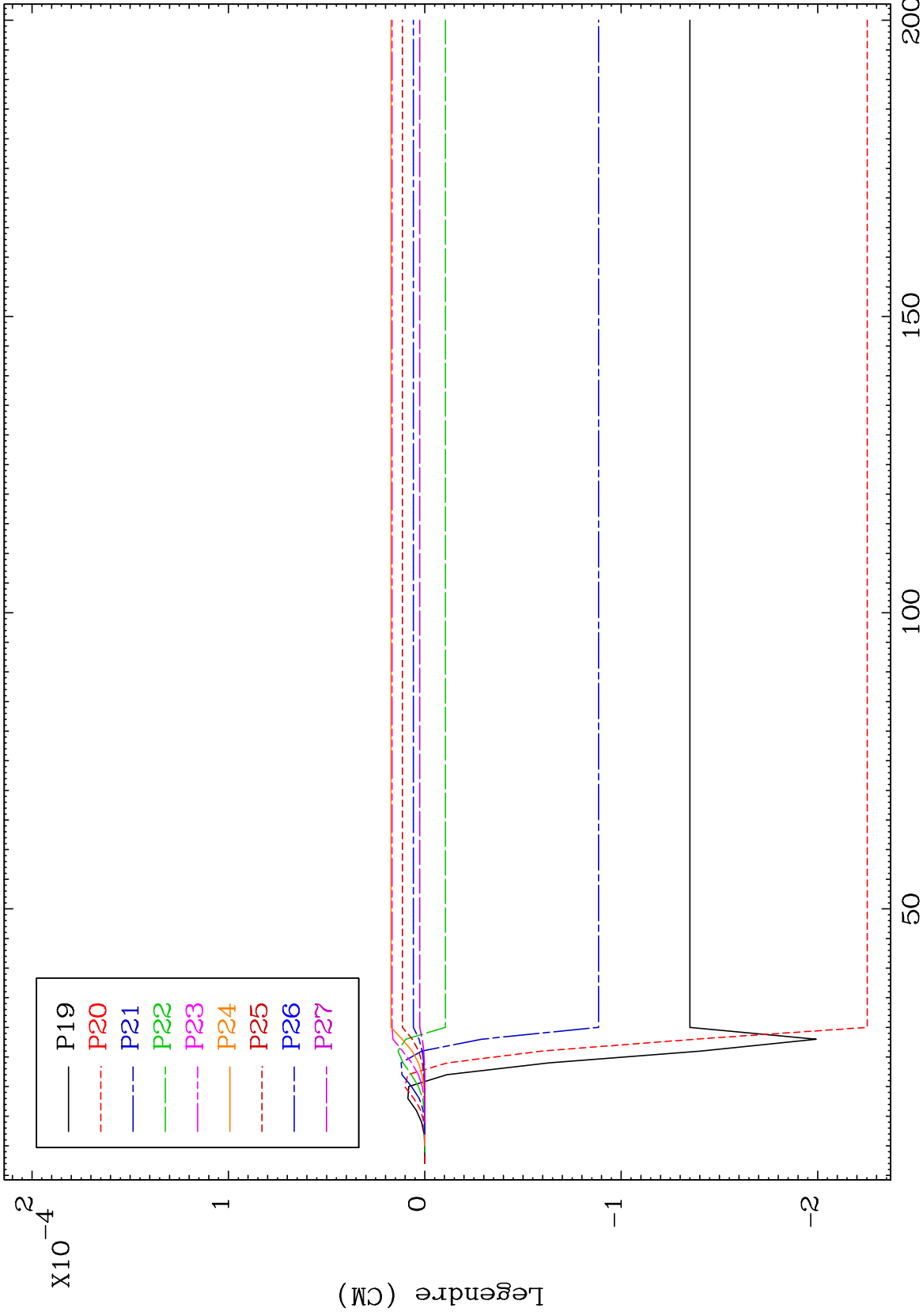
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



94

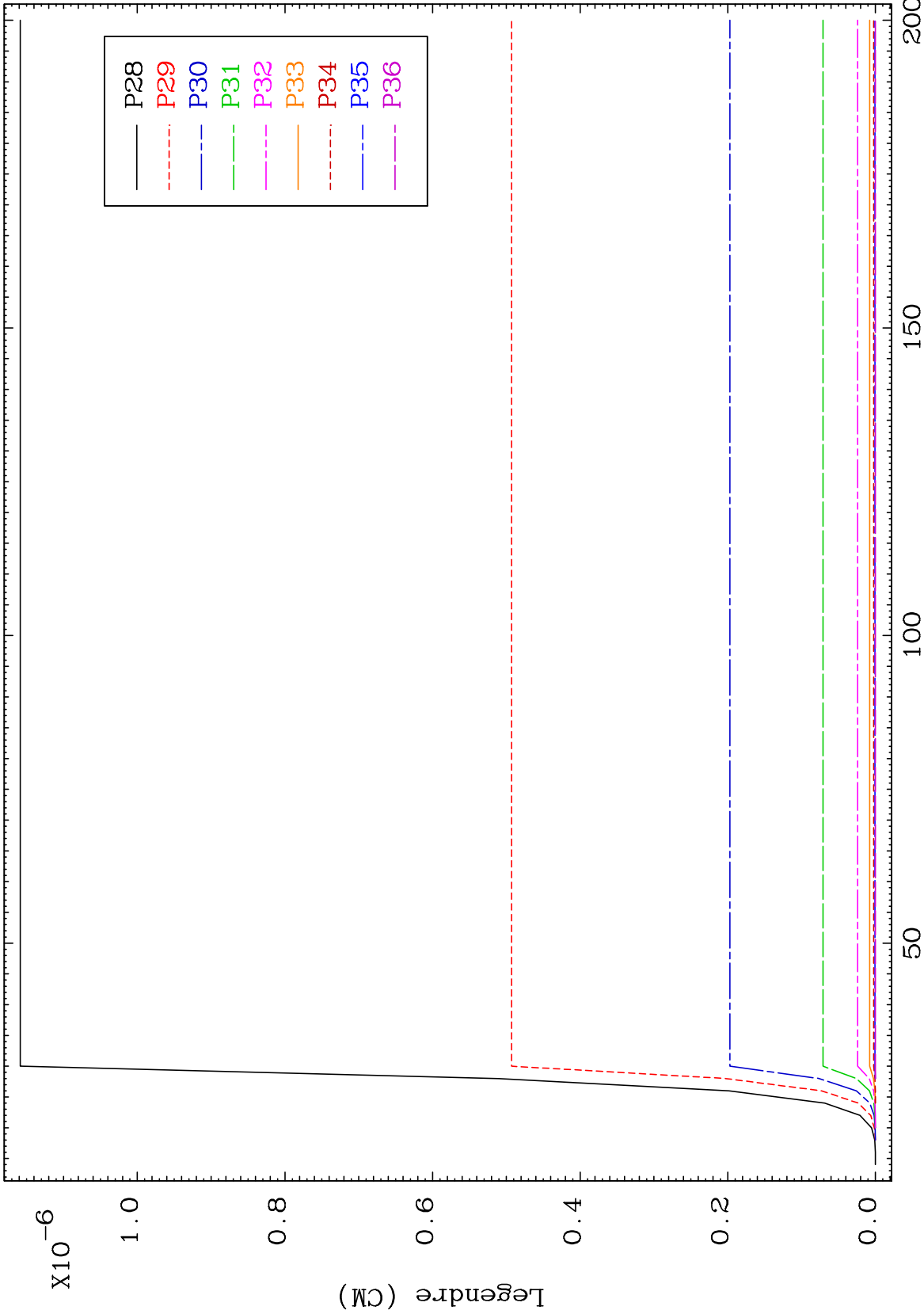
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



95

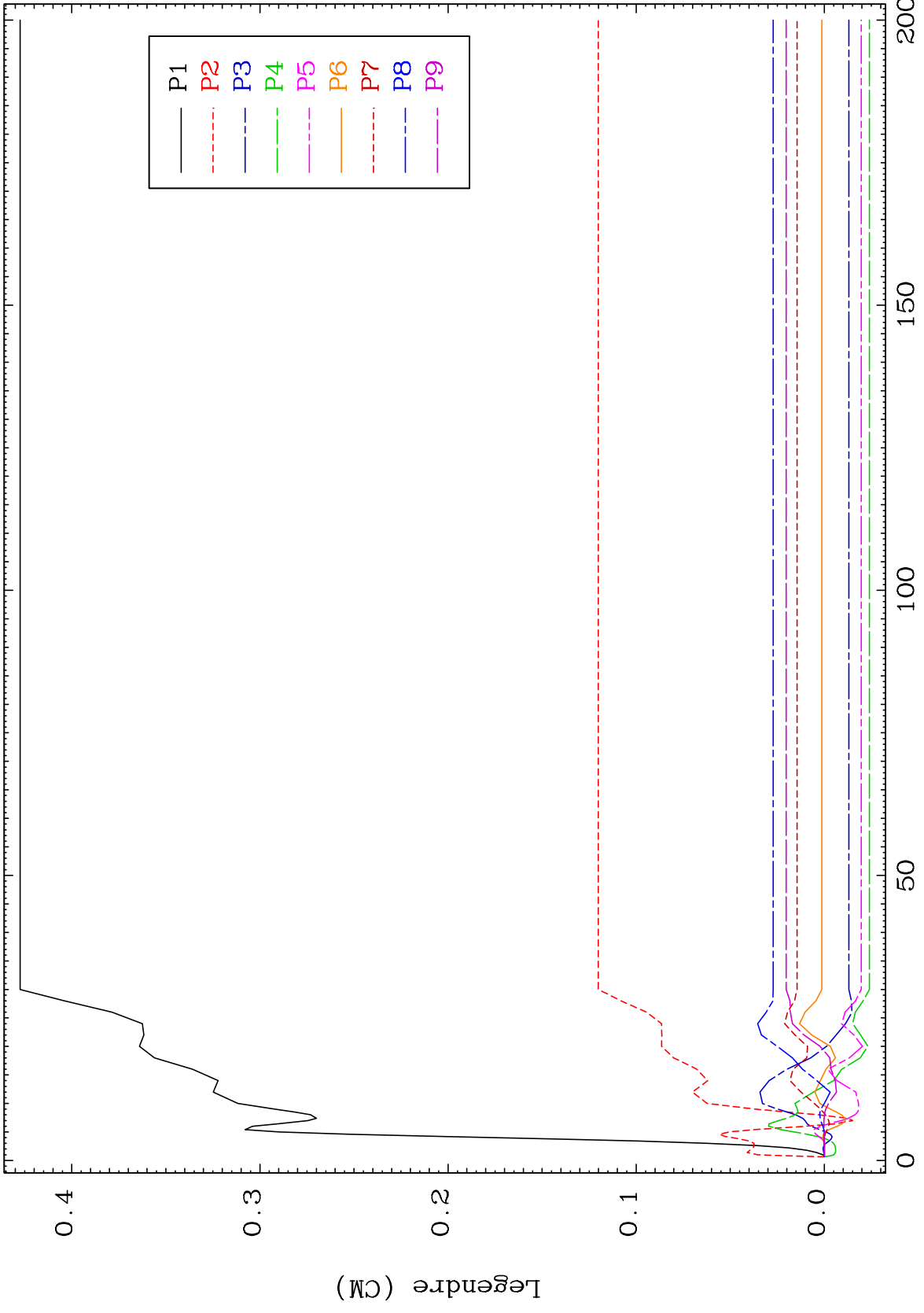
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



96

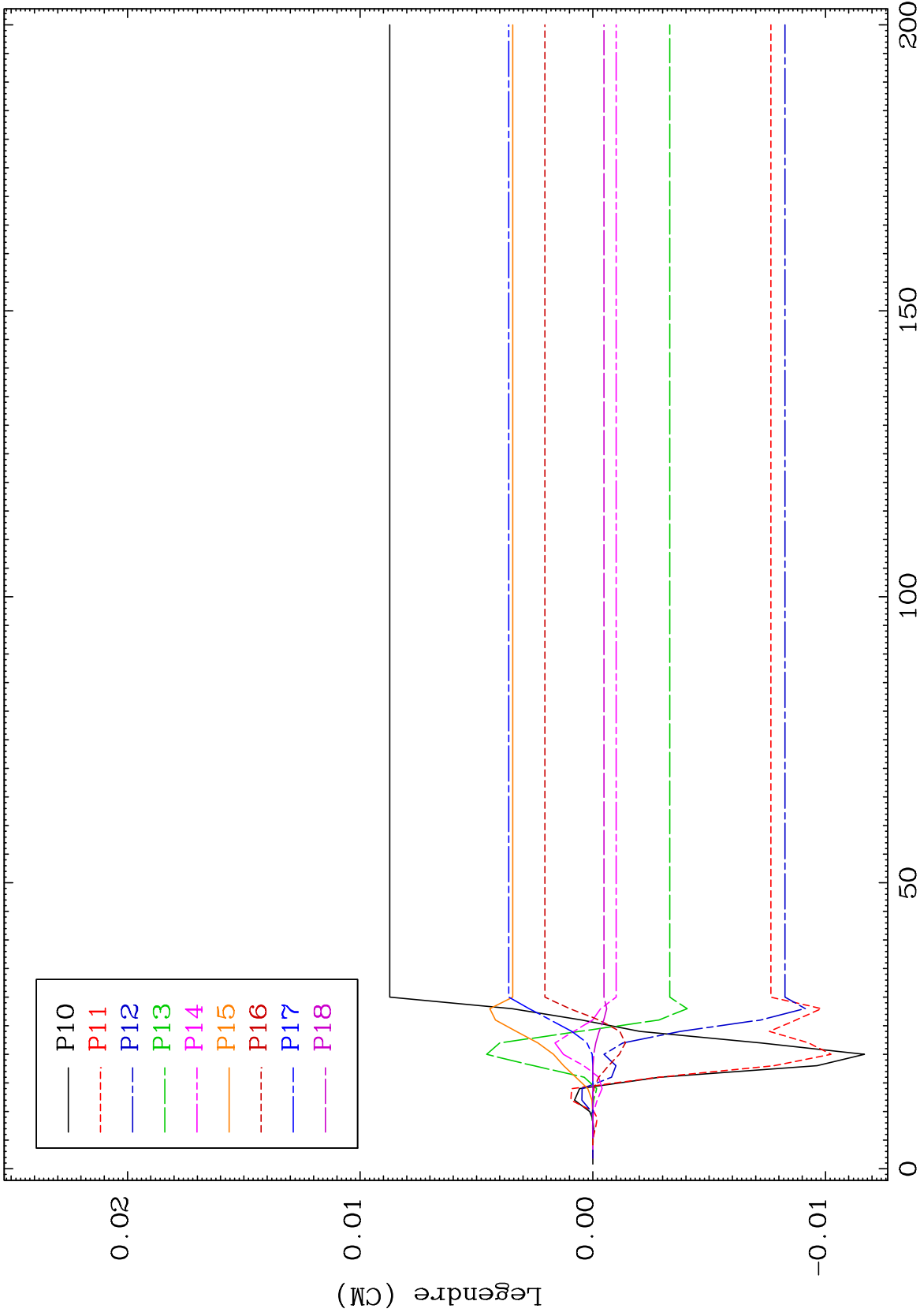
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



97

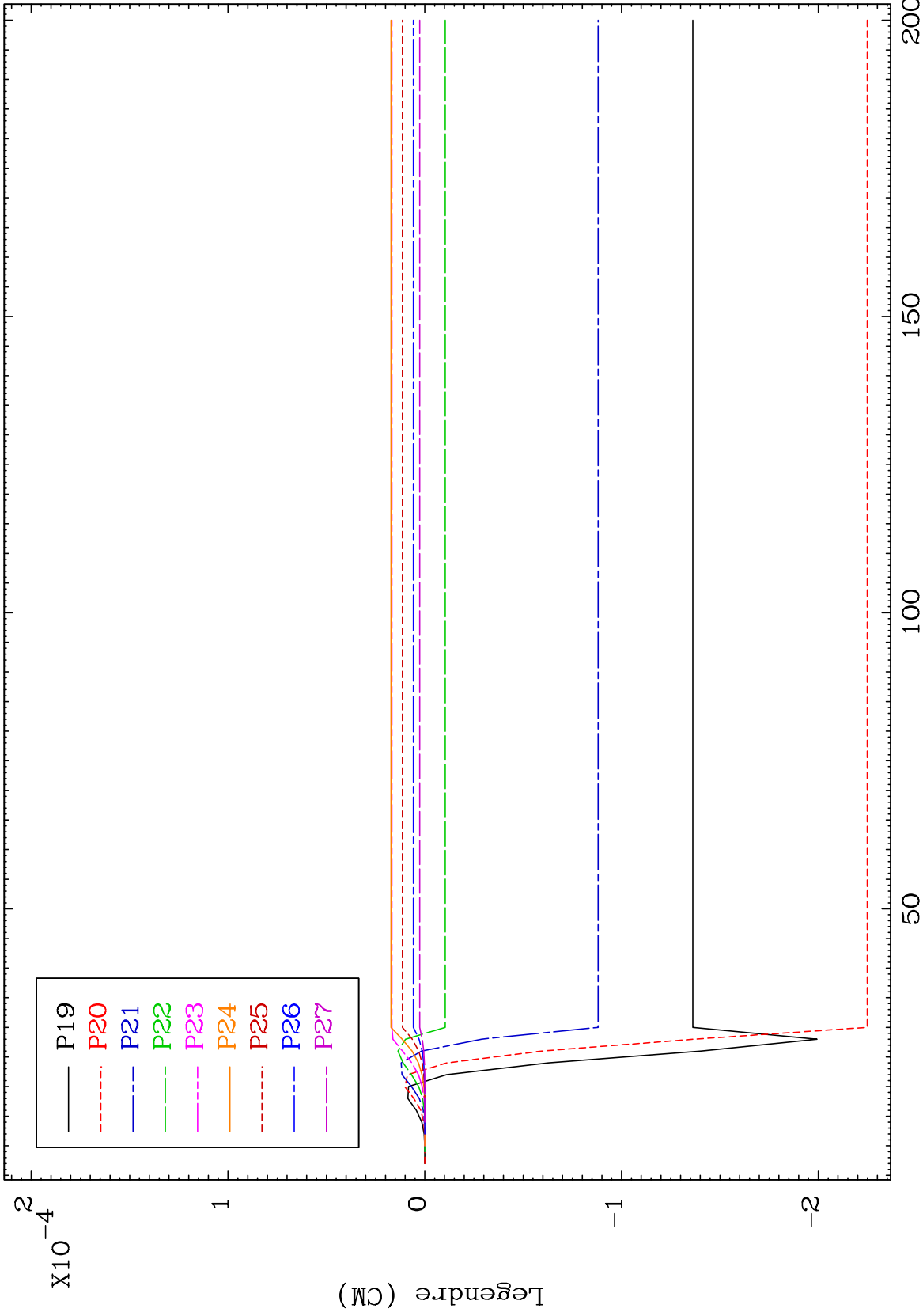
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



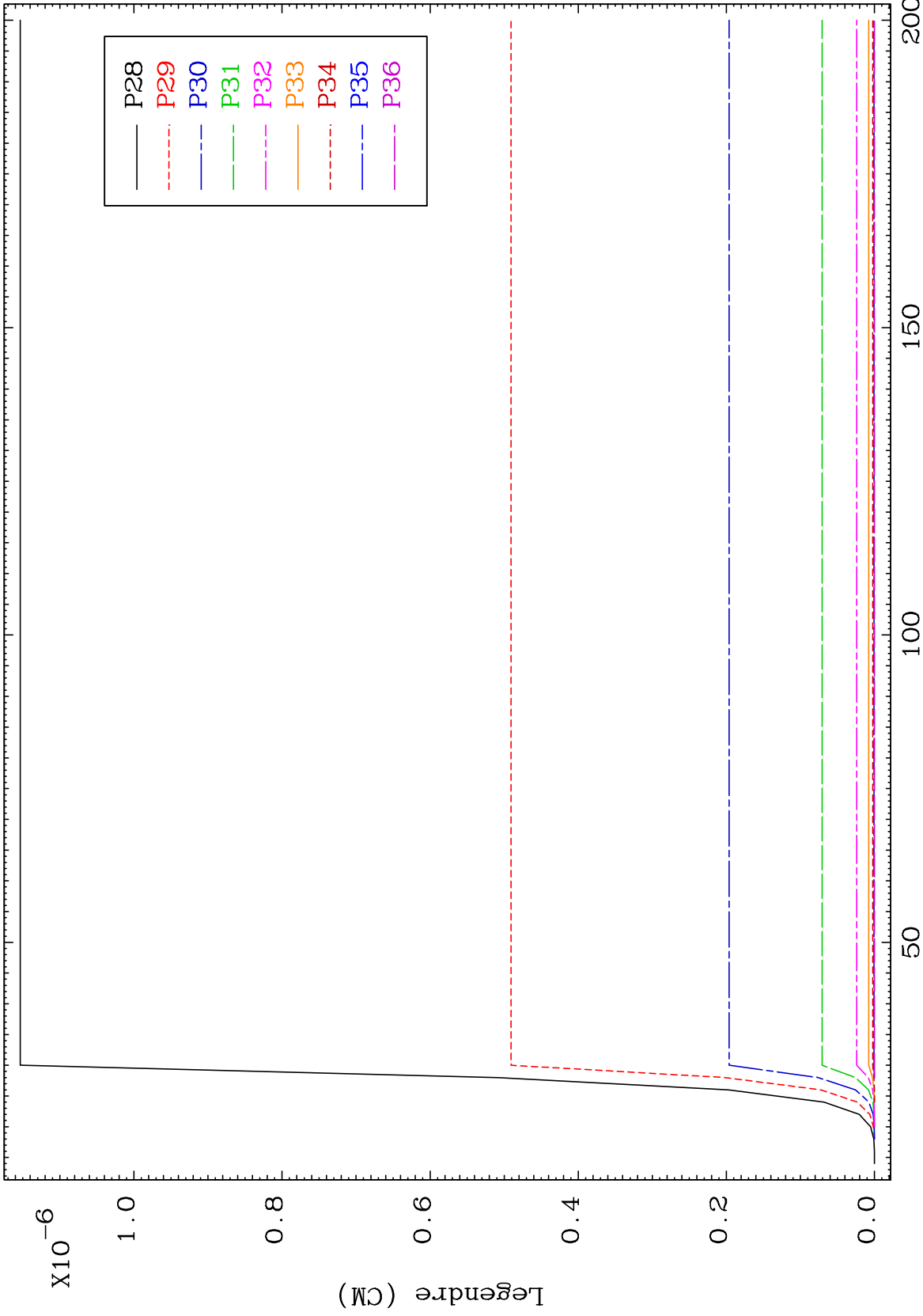
98

64-Gd-157

MAT 6440

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

64-Gd-157



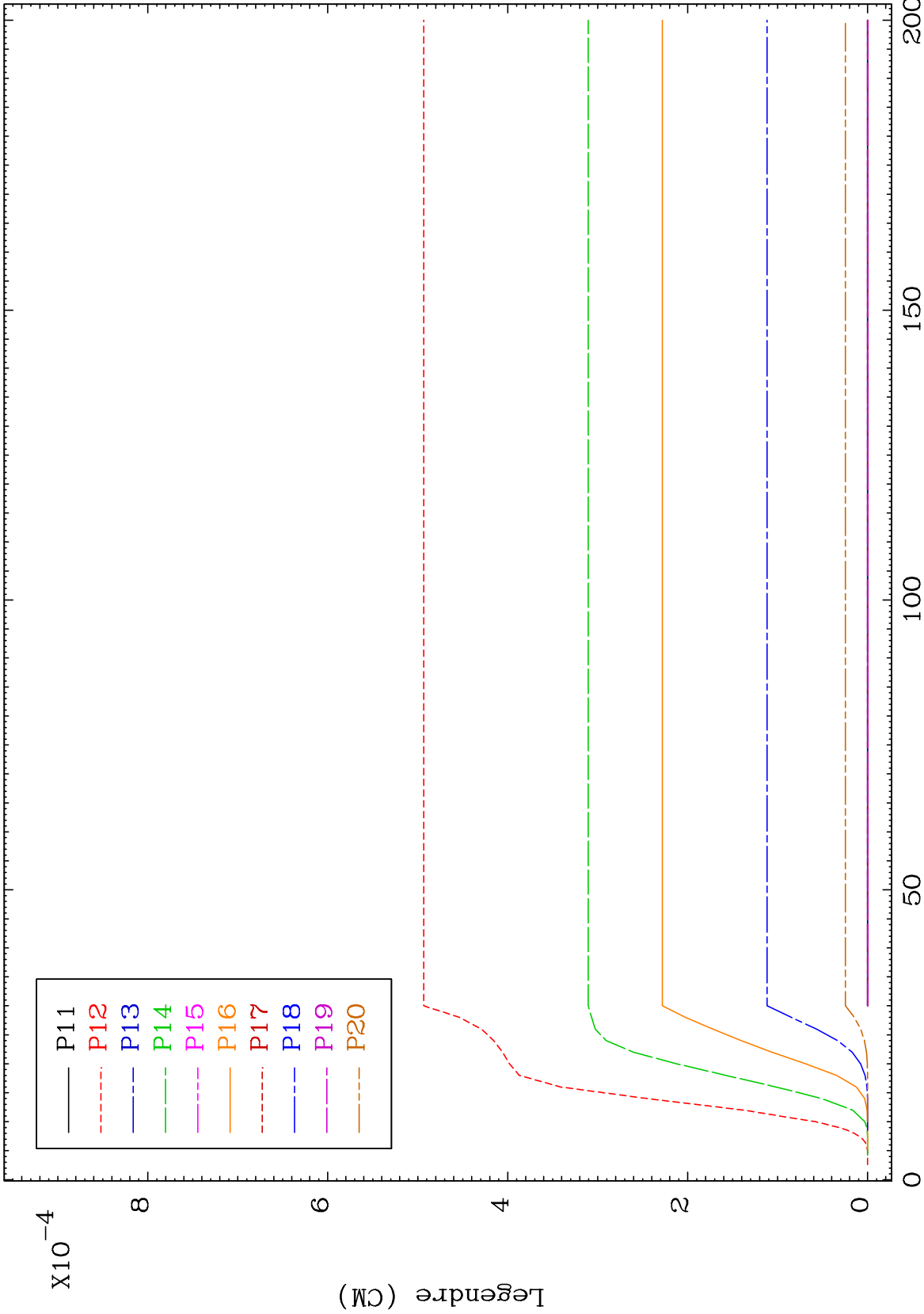
99

64-Gd-157

MAT 6440

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

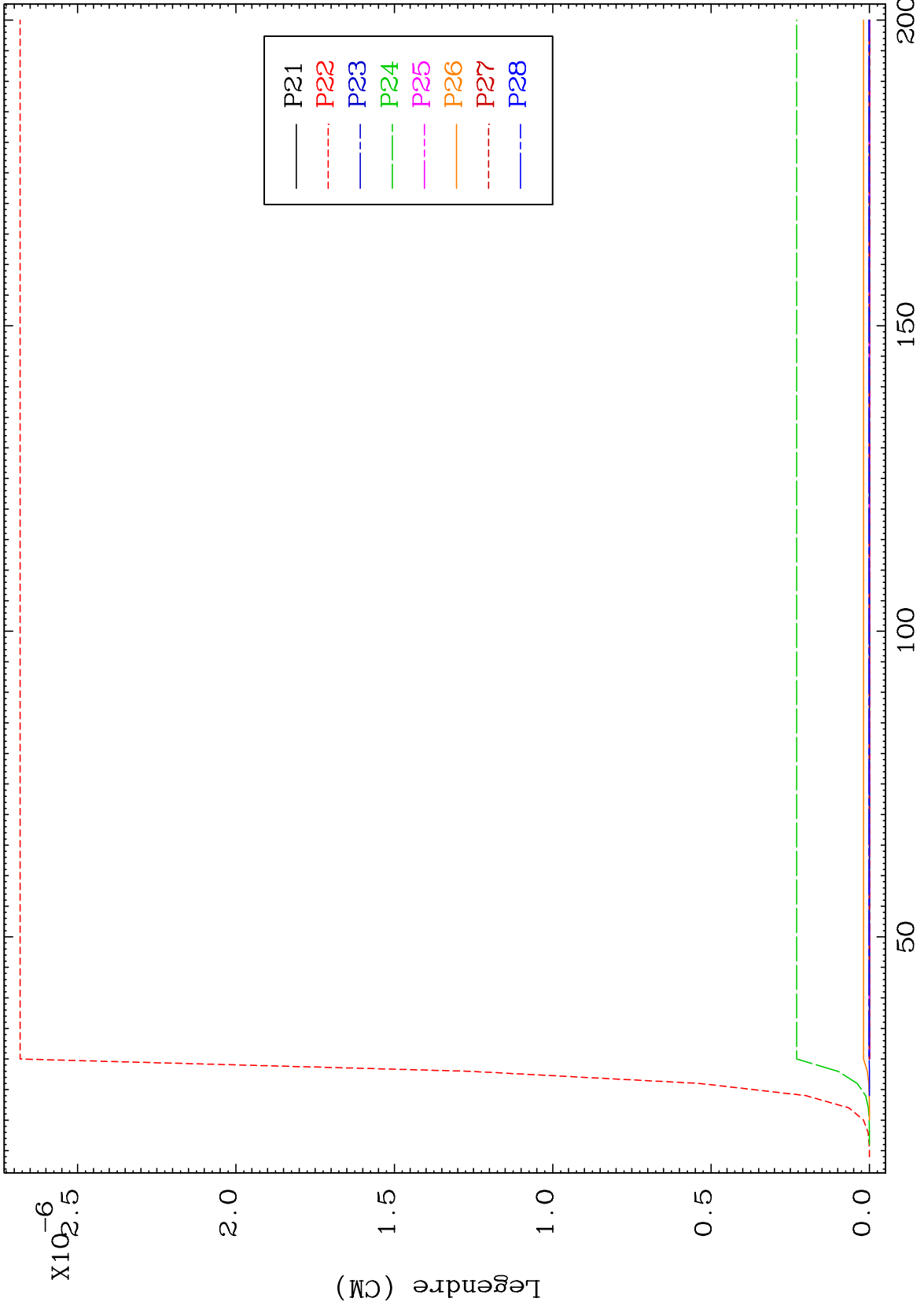
64-Gd-157



101

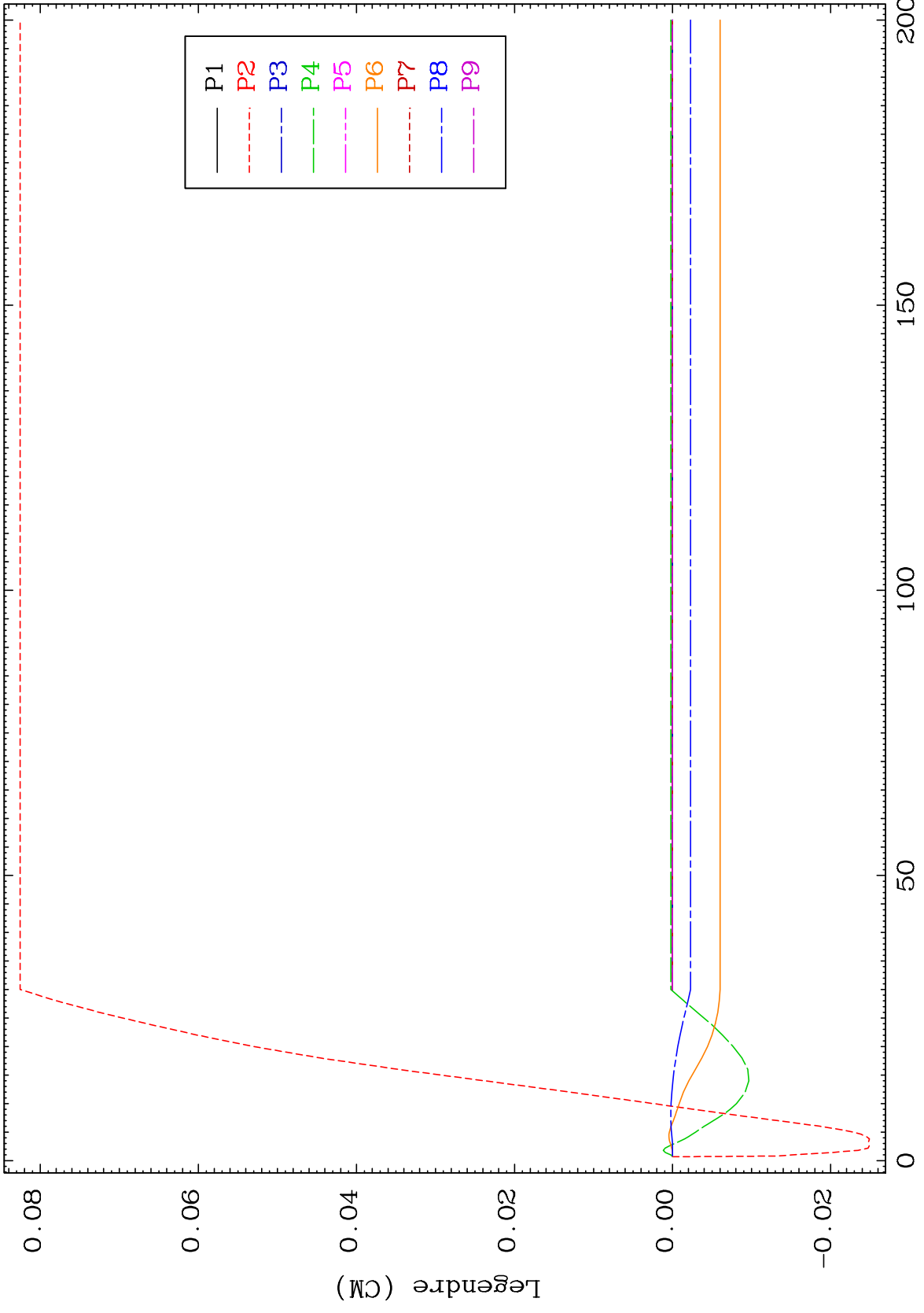
64-Gd-157

MAT 6440 MT= 75 (n,n') Level Legendre Coefficients 64-Gd-157



102 50 100 150 200 Incident Energy (MeV) 64-Gd-157

MAT 6440 MT= 76 (n,n') Level Legendre Coefficients 64-Gd-157

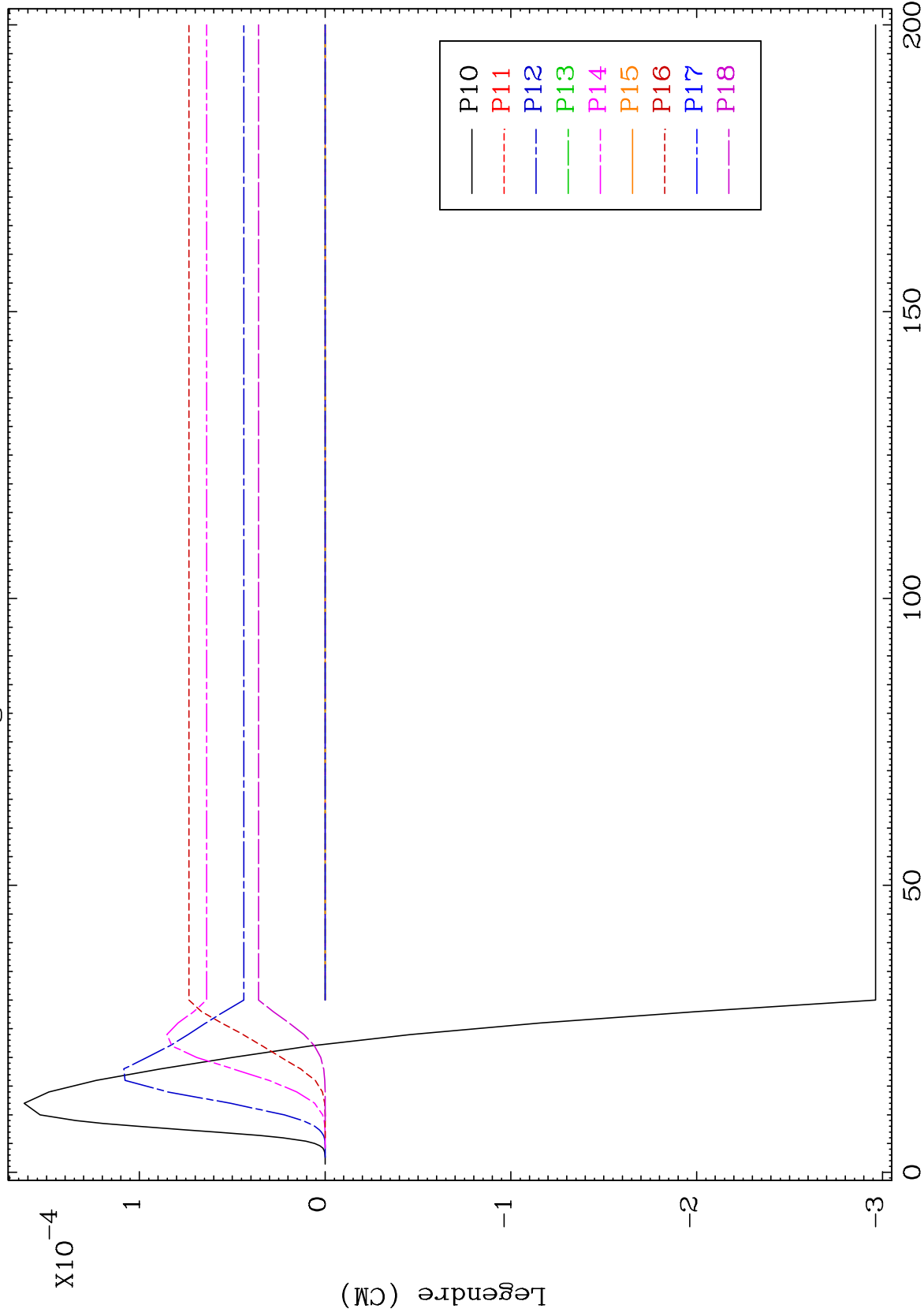


103 Incident Energy (MeV) 64-Gd-157

MAT 6440

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

64-Gd-157

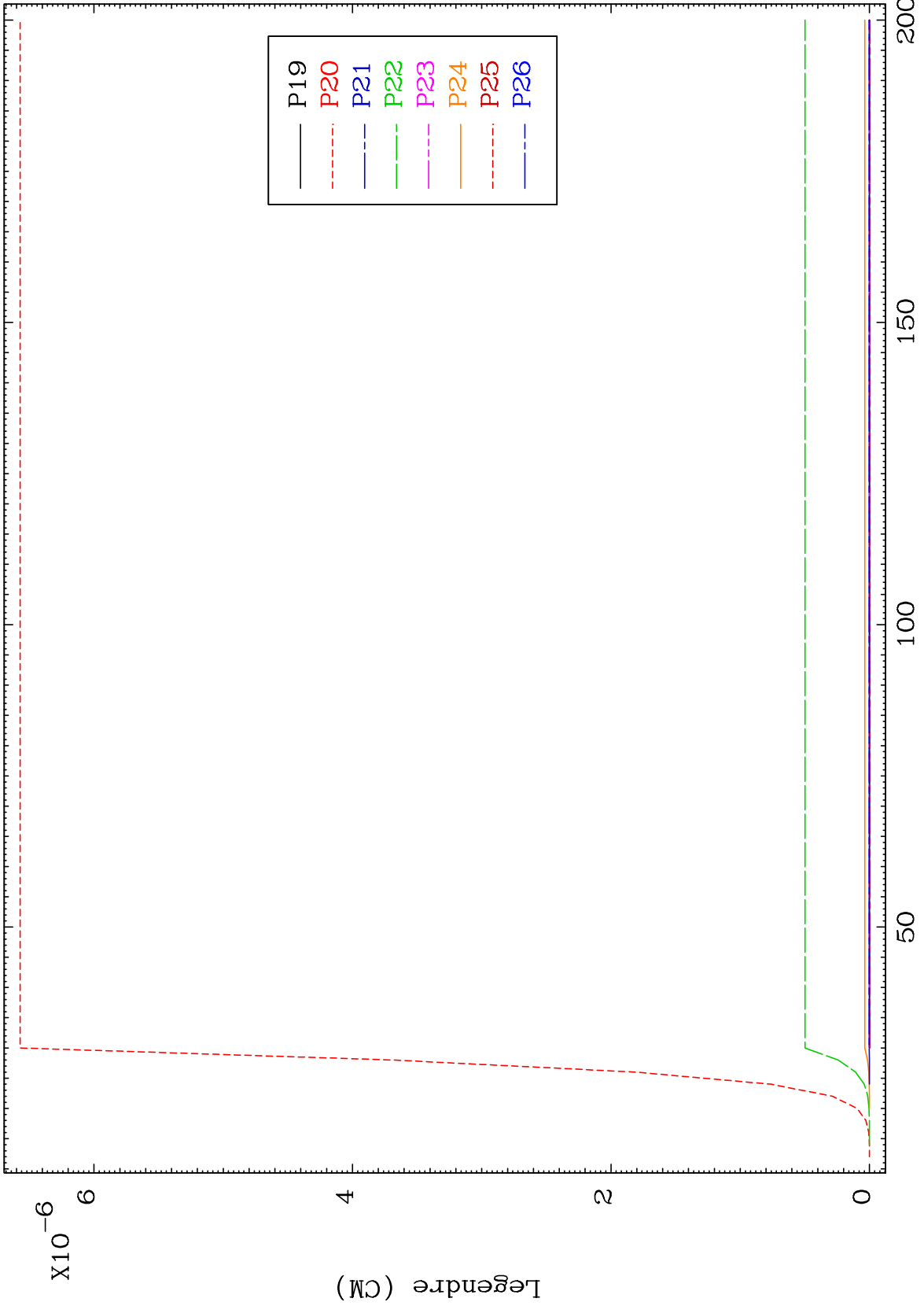


104

Incident Energy (MeV)

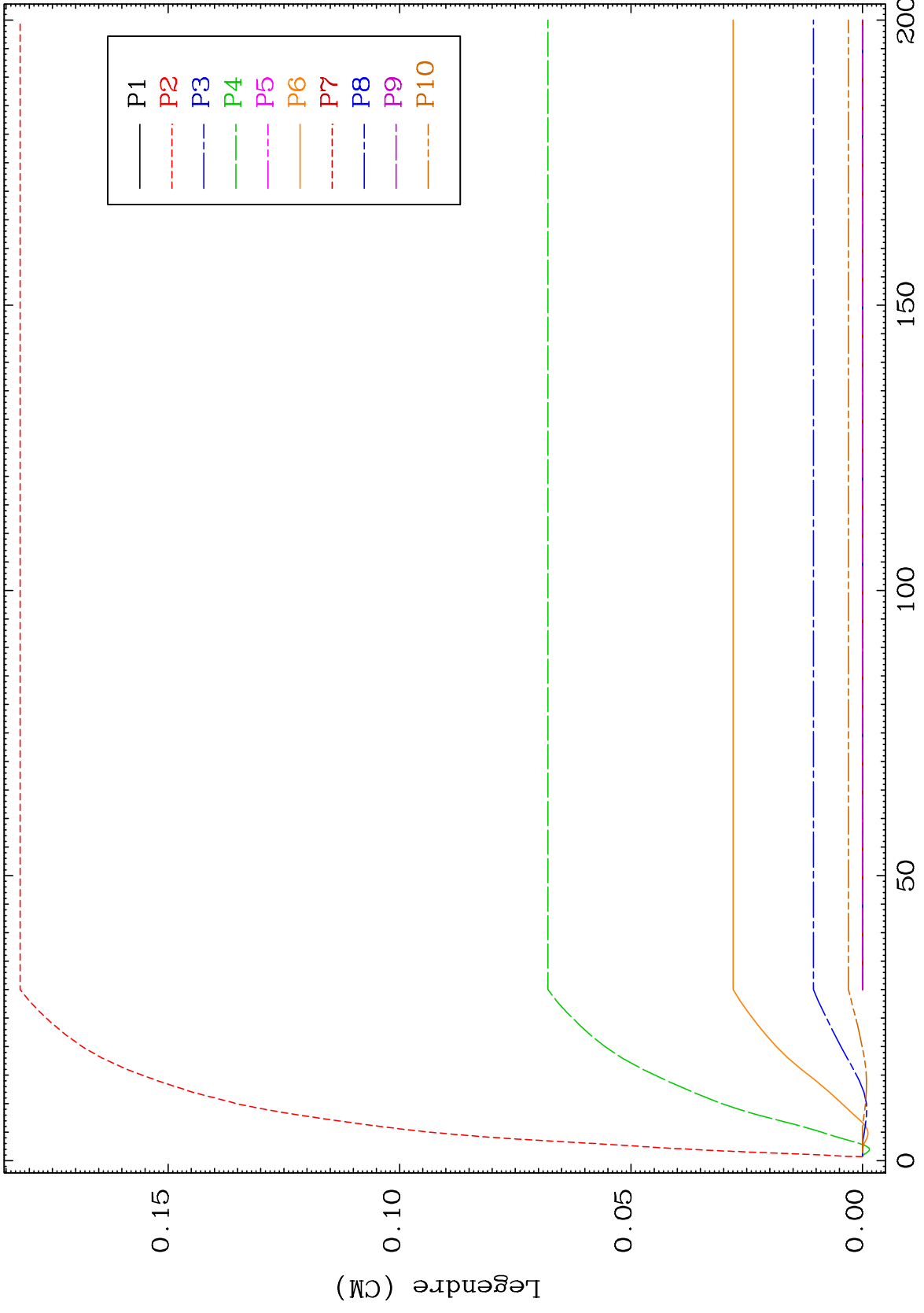
64-Gd-157

MAT 6440 MT= 76 (n,n') Level Legendre Coefficients 64-Gd-157



64-Gd-157

MAT 6440 MT= 77 (n,n') Level Legendre Coefficients 64-Gd-157

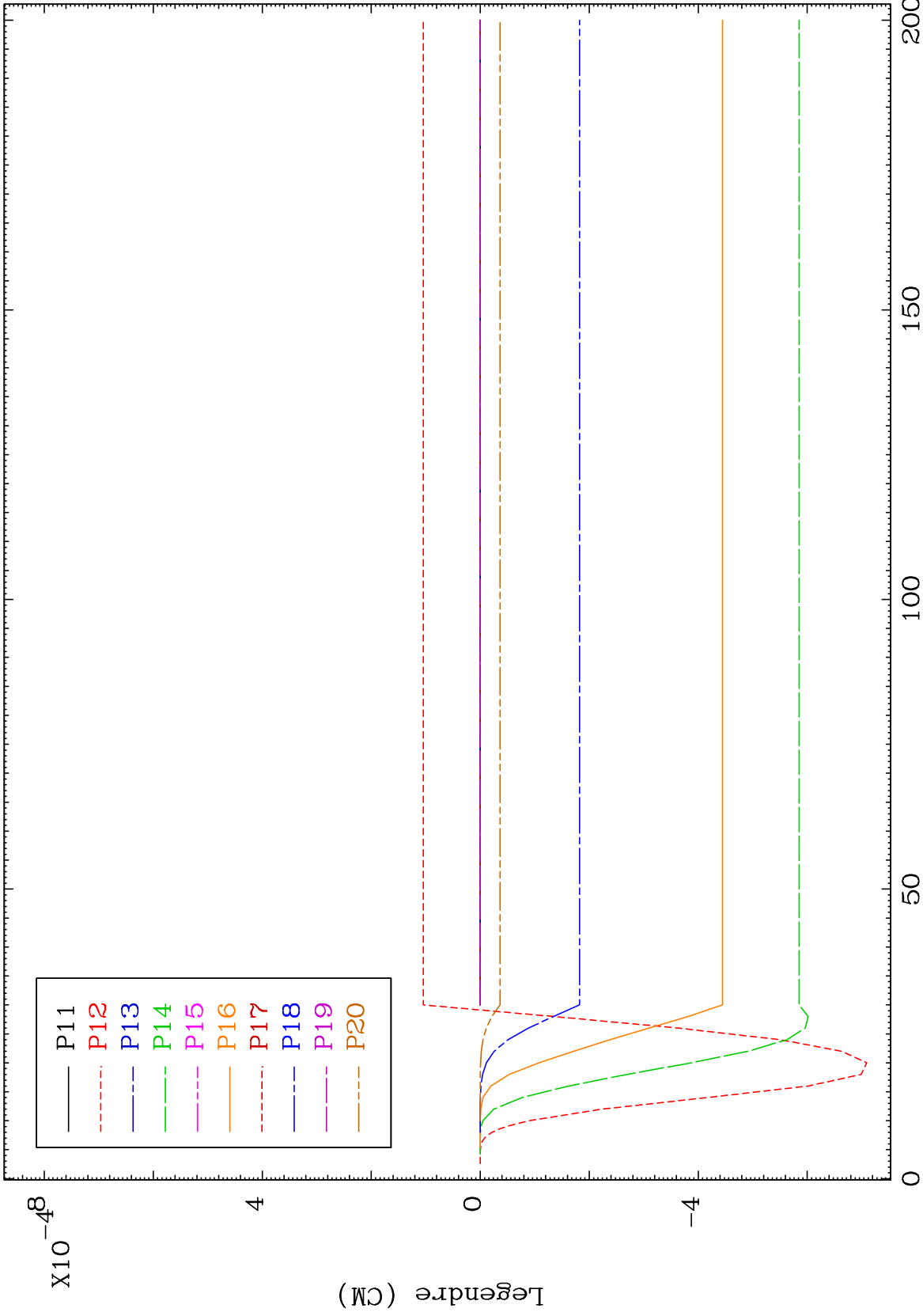


64-Gd-157

MAT 6440

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

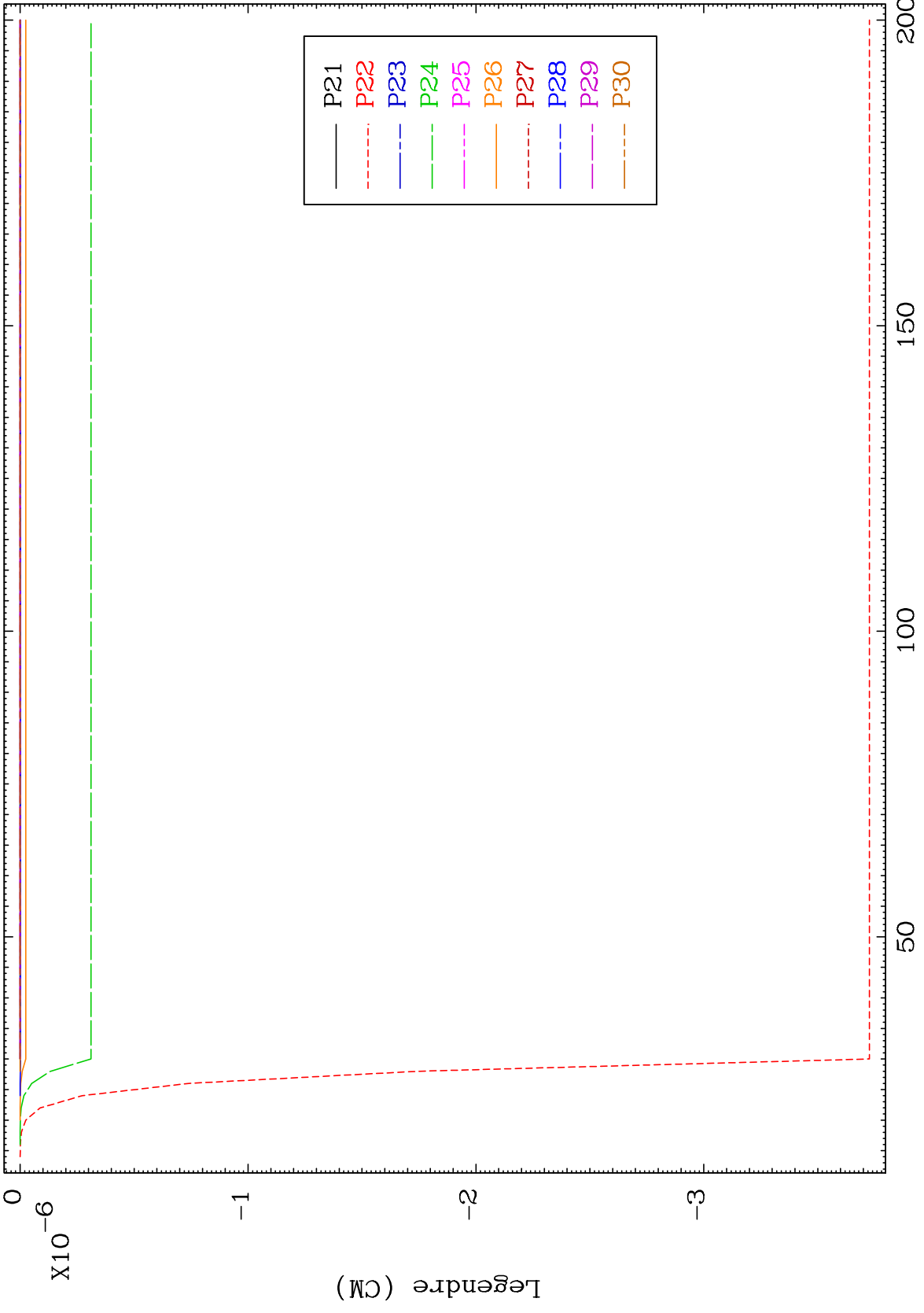
64-Gd-157



107

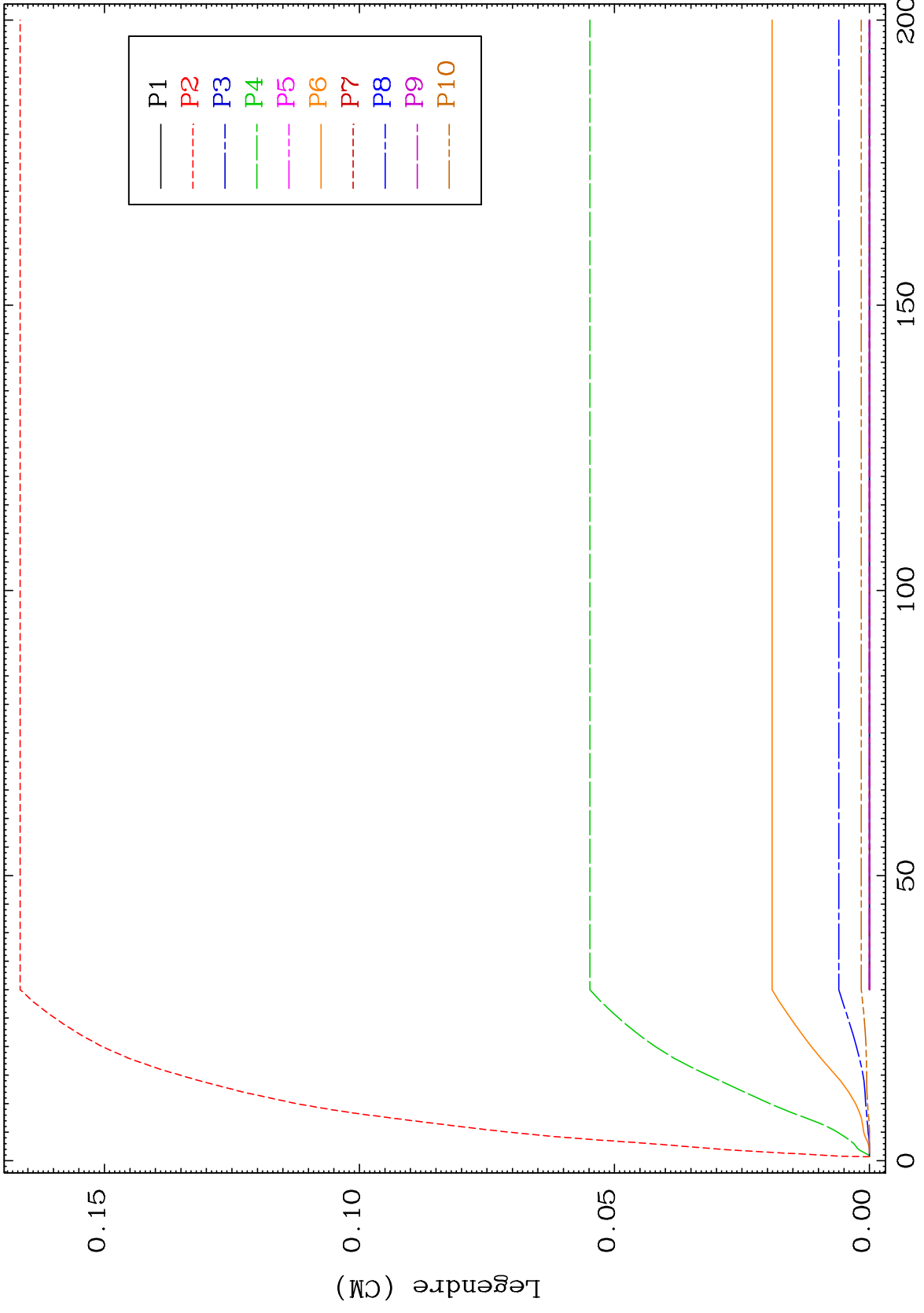
64-Gd-157

MAT 6440 MT= 77 (n,n') Level Legendre Coefficients 64-Gd-157



108 64-Gd-157

MAT 6440 MT= 78 (n,n') Level Legendre Coefficients 64-Gd-157

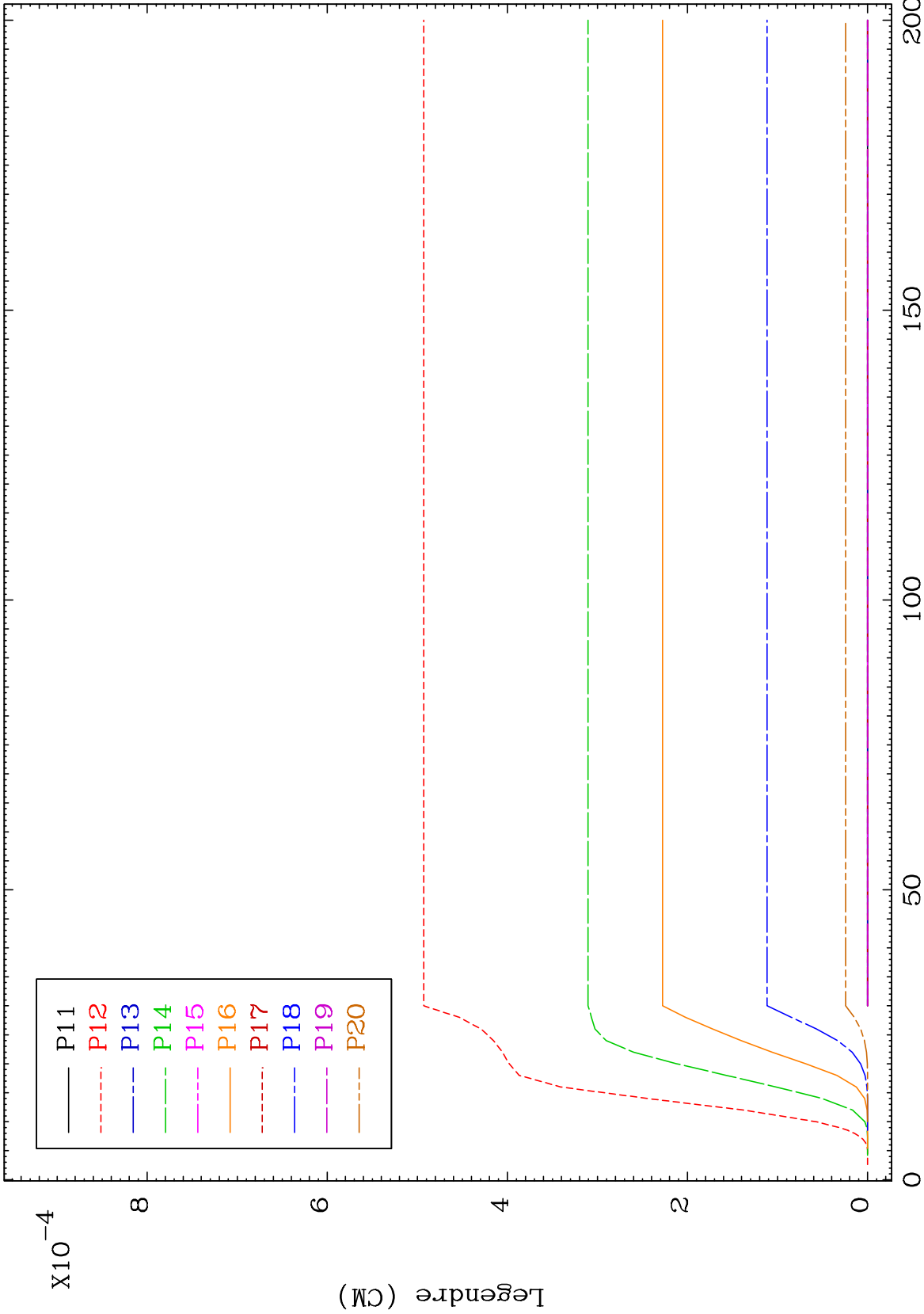


109 64-Gd-157

MAT 6440

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

64-Gd-157

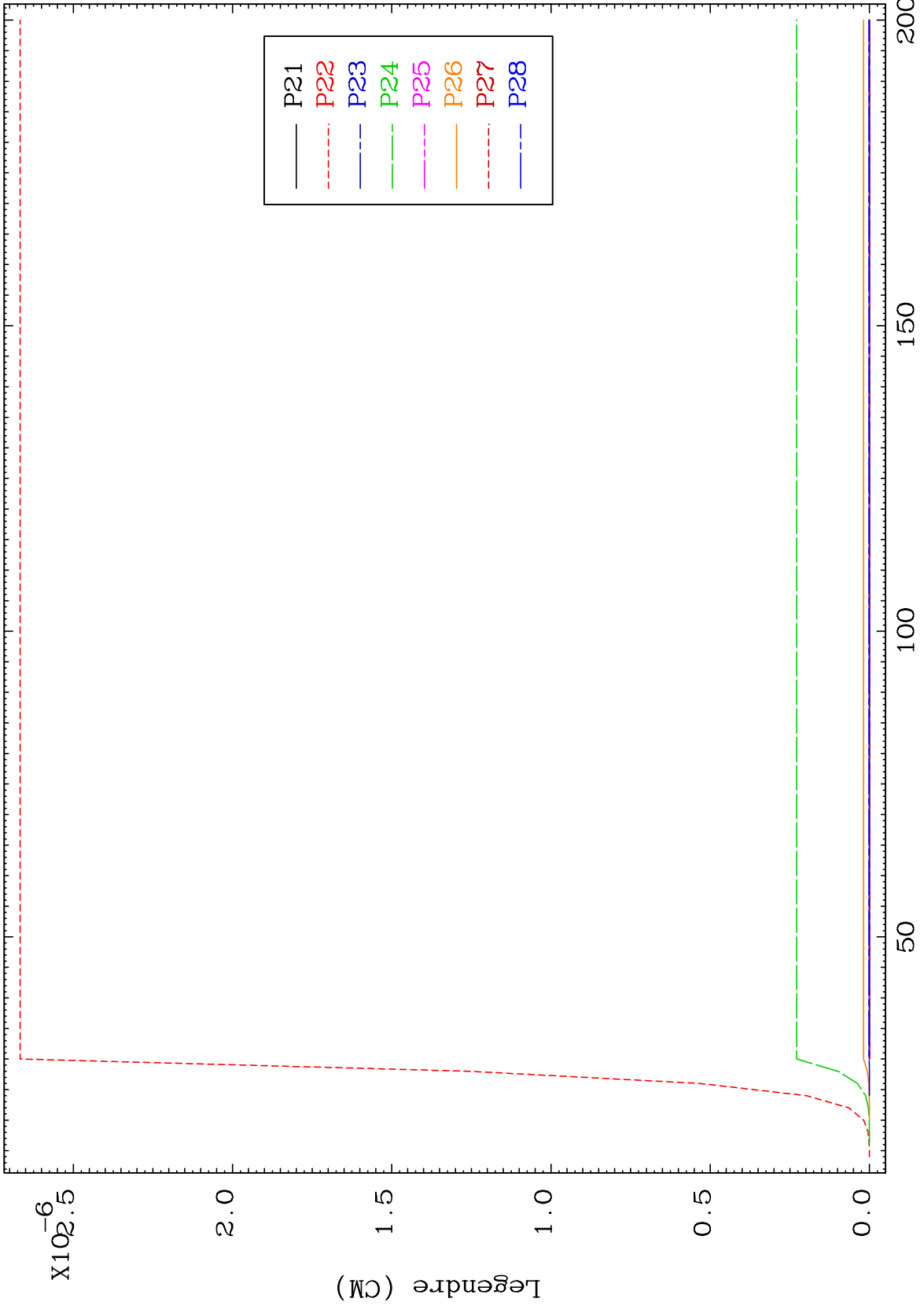


110

64-Gd-157

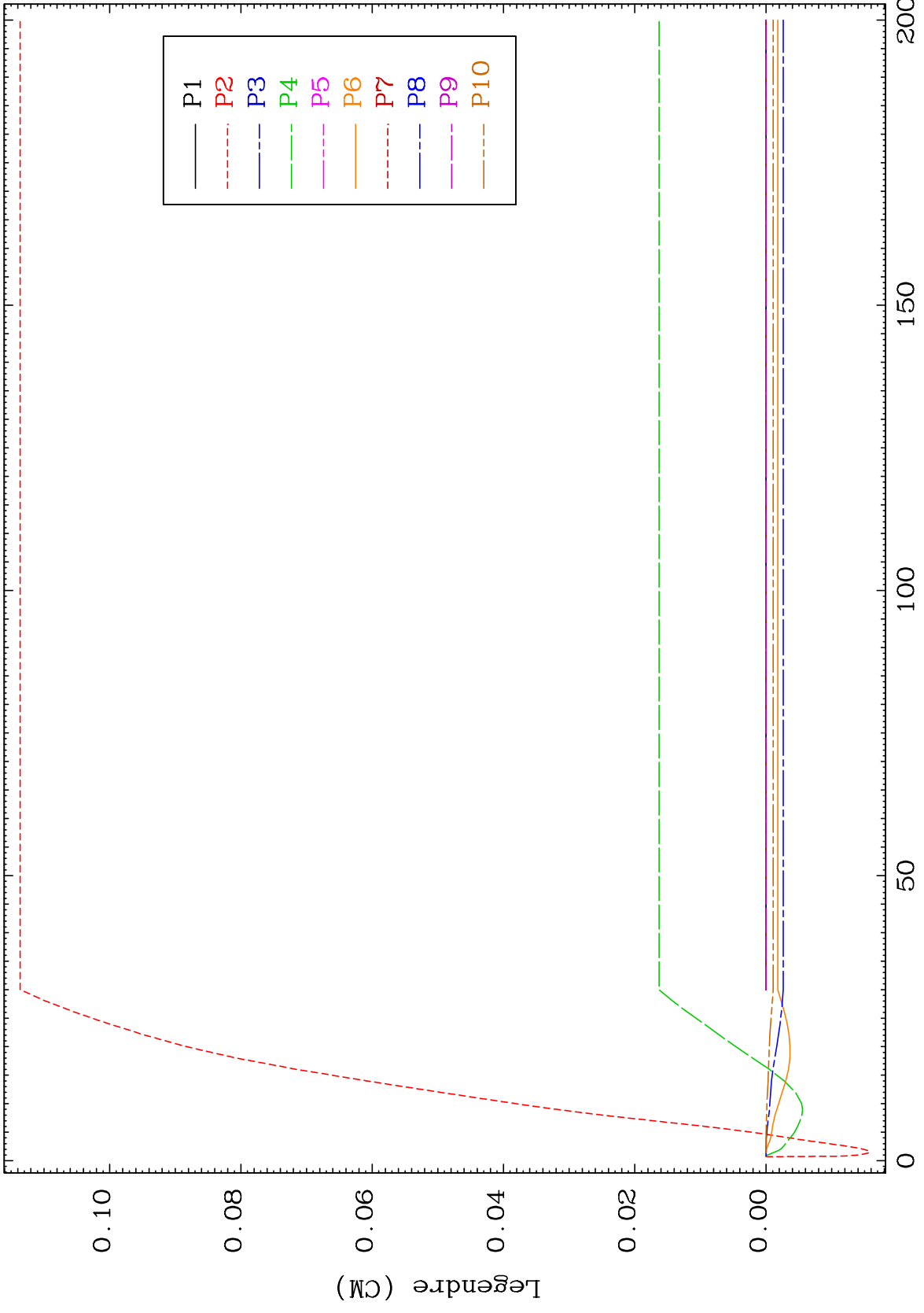
64-Gd-157

MAT 6440 MT= 78 (n,n') Level Legendre Coefficients 64-Gd-157



111 64-Gd-157

MAT 6440 MT= 79 (n,n') Level Legendre Coefficients 64-Gd-157

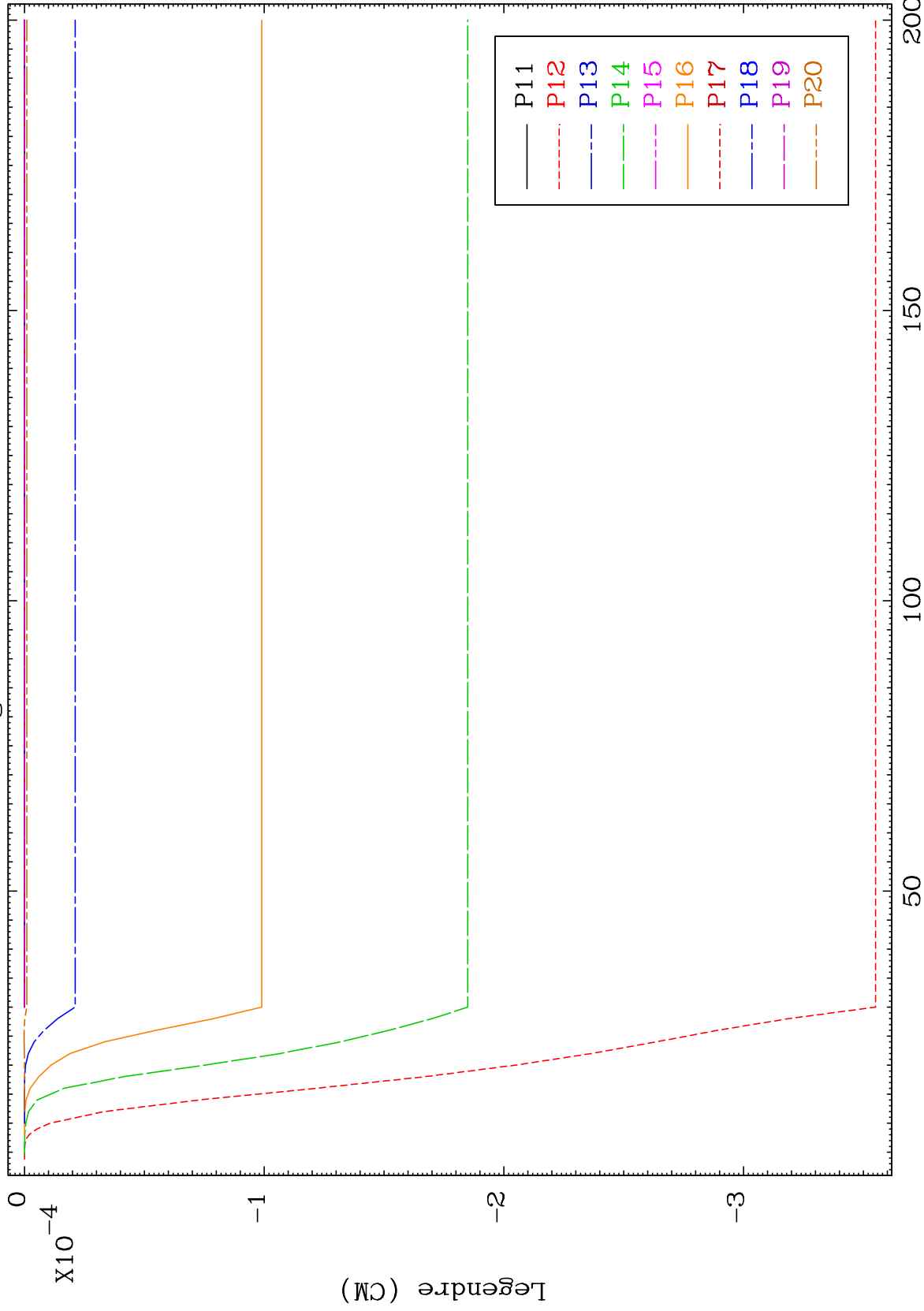


112 64-Gd-157

MAT 6440

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

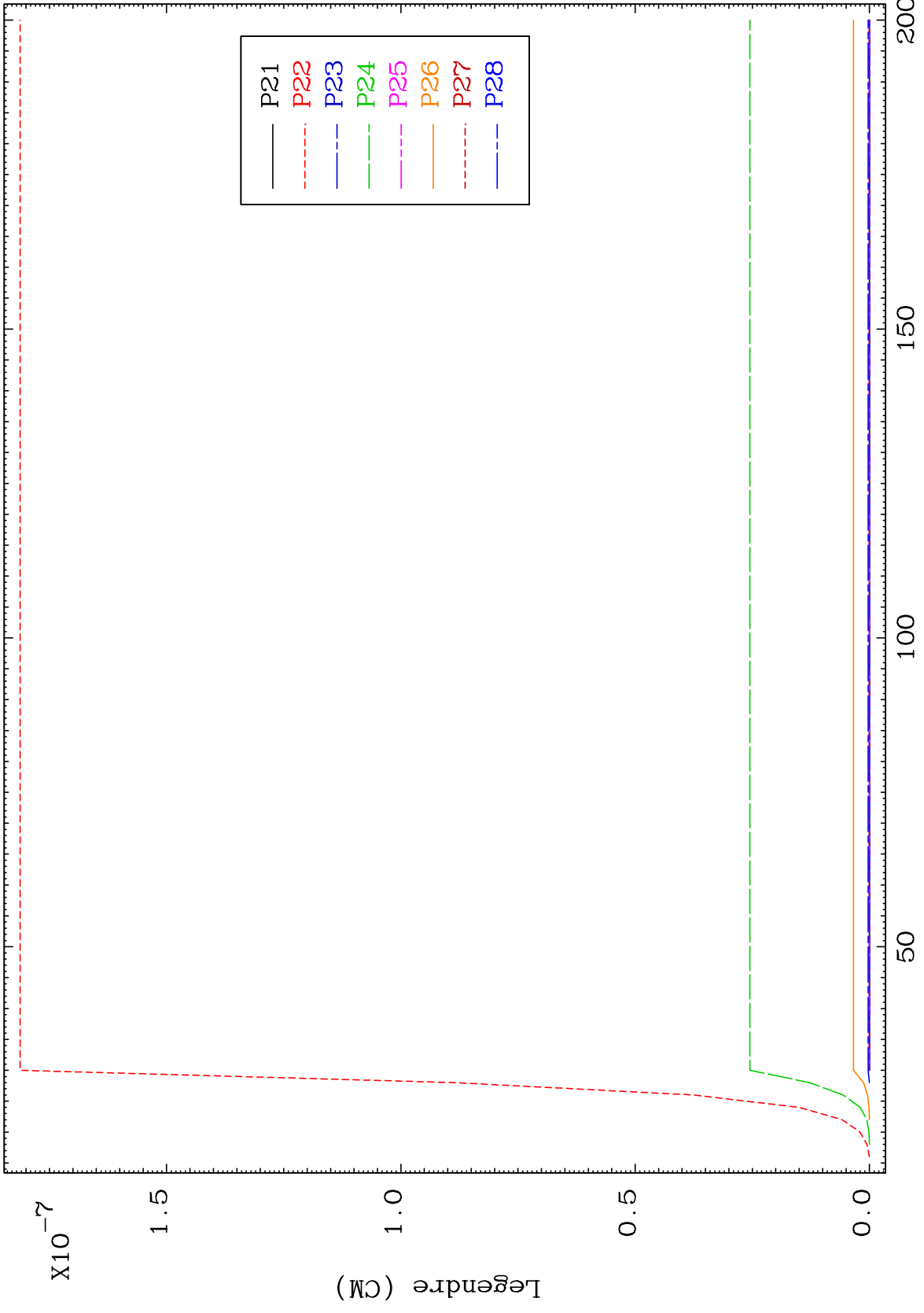
64-Gd-157



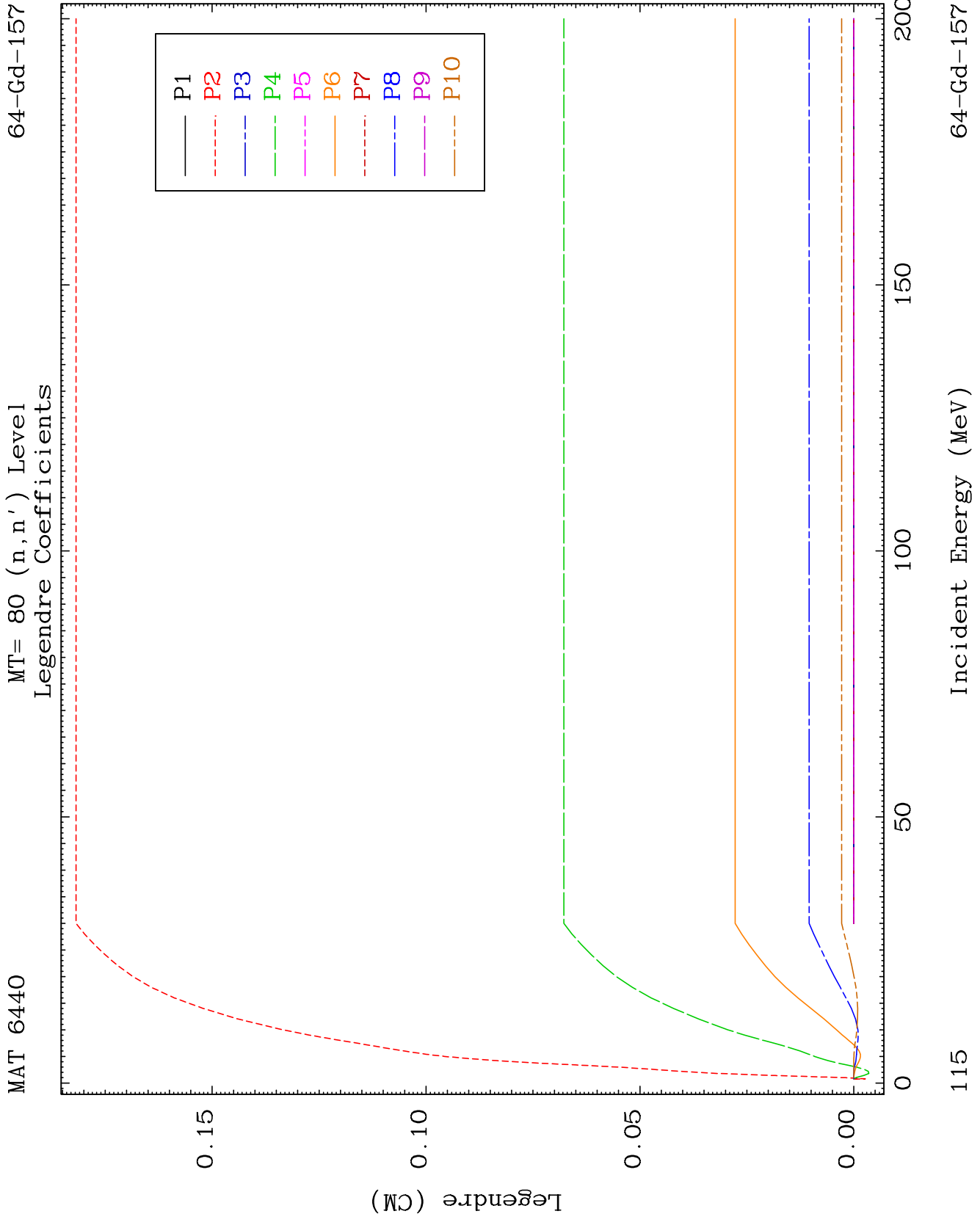
113

64-Gd-157

MAT 6440 MT= 79 (n,n') Level Legendre Coefficients 64-Gd-157



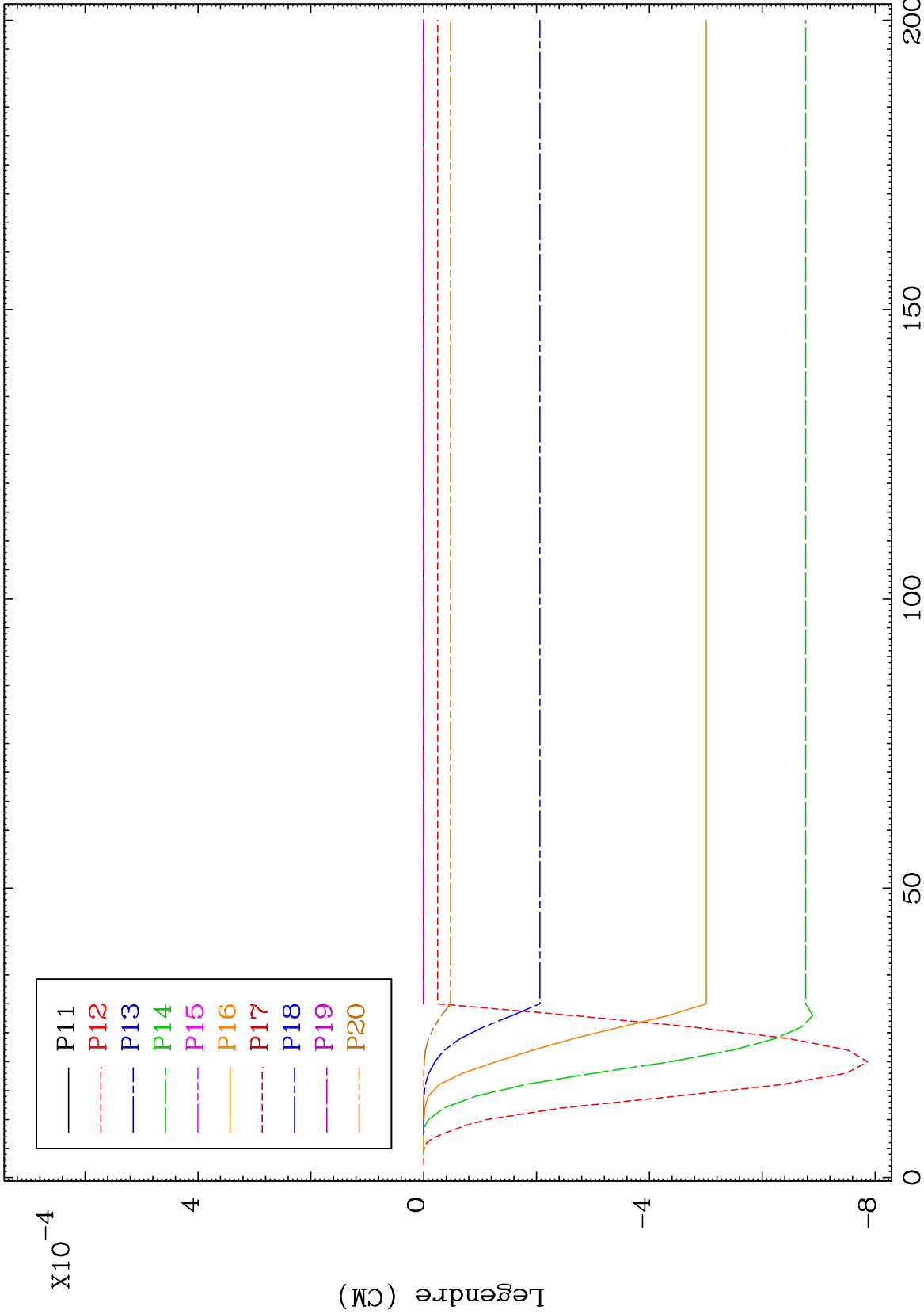
114 64-Gd-157



MAT 6440

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

64-Gd-157

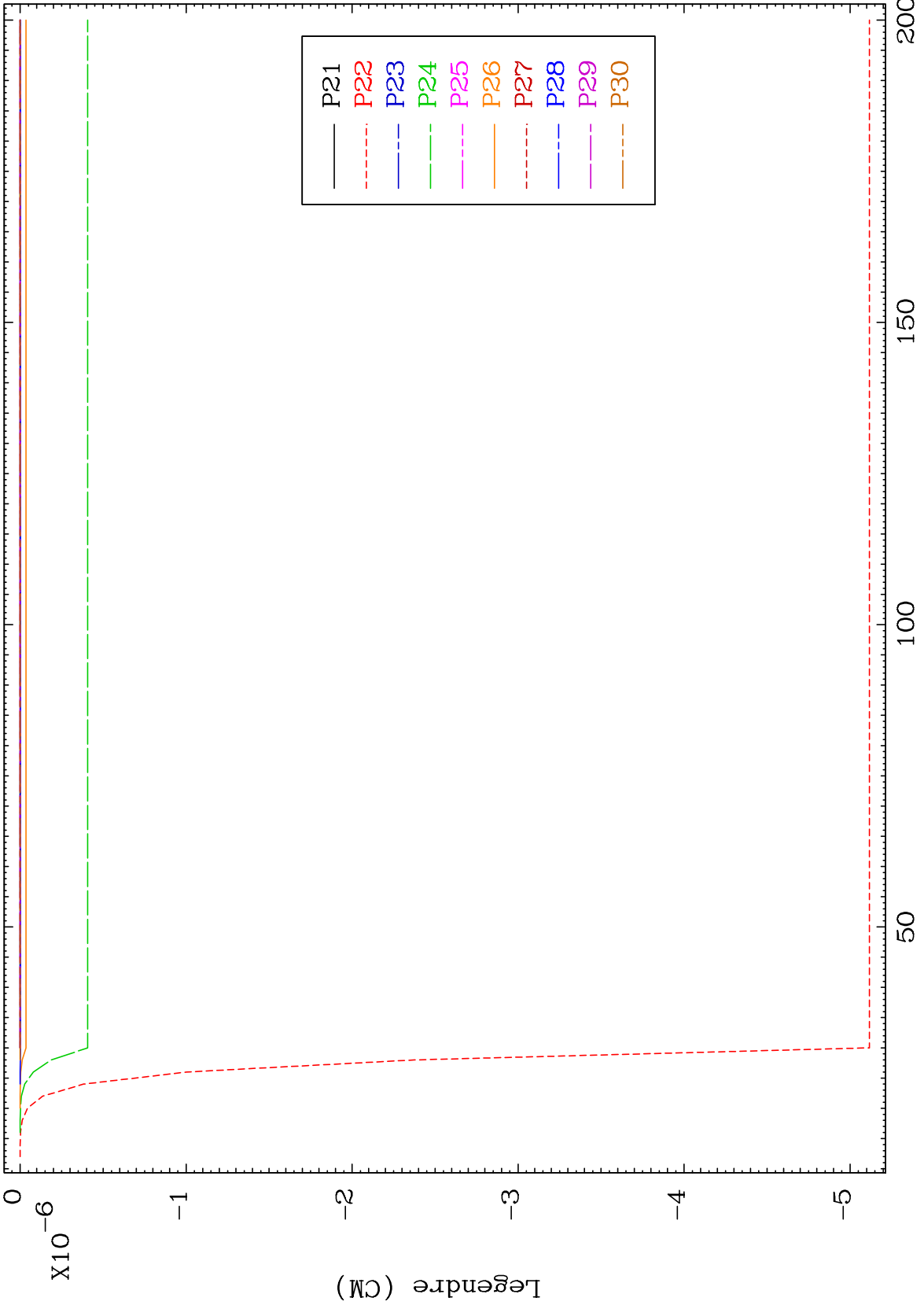


116

Incident Energy (MeV)

64-Gd-157

MAT 6440 MT= 80 (n,n') Level Legendre Coefficients 64-Gd-157

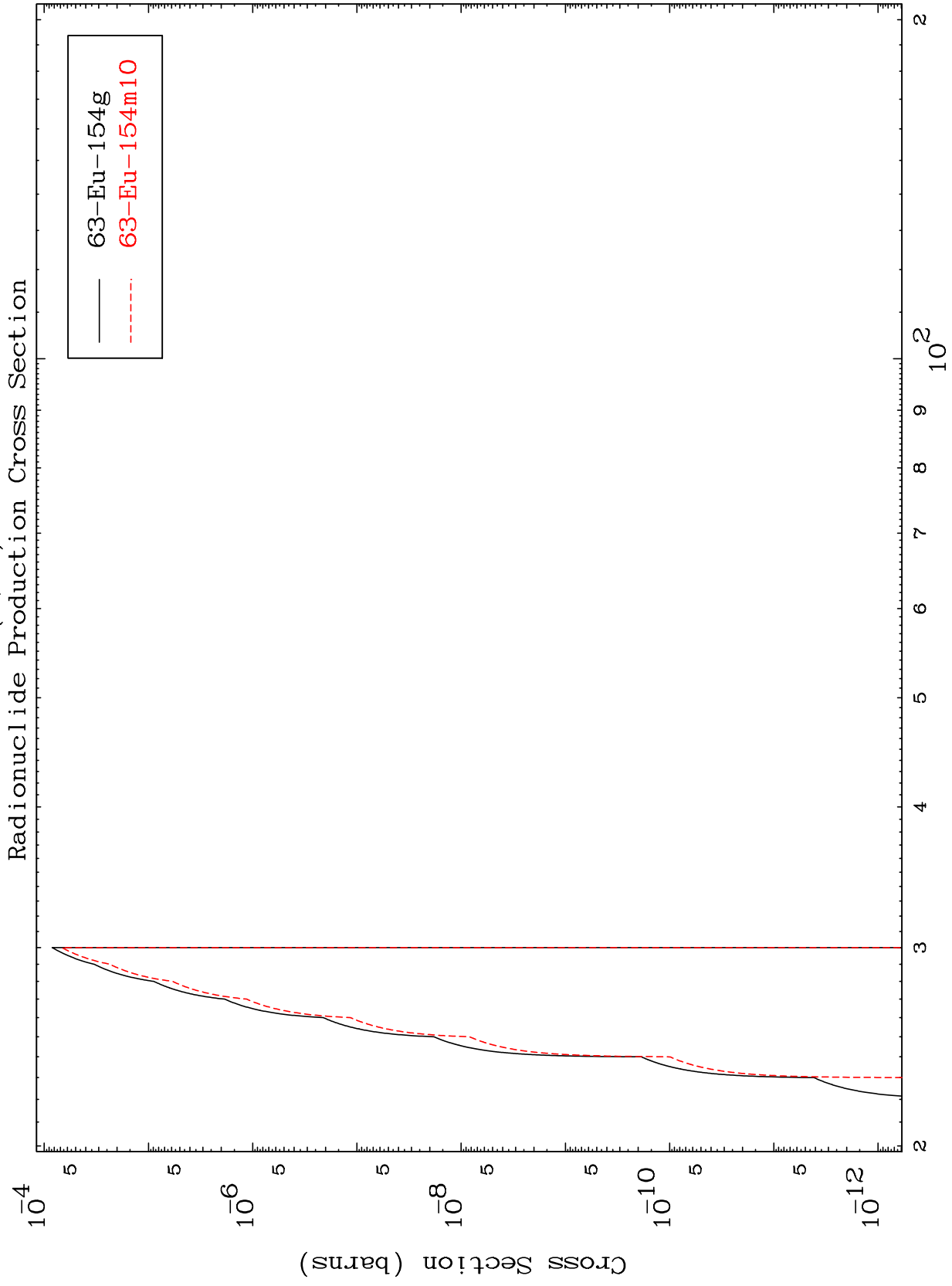


117 64-Gd-157

MAT 6440

(n,2n) d

64-Gd-157



118

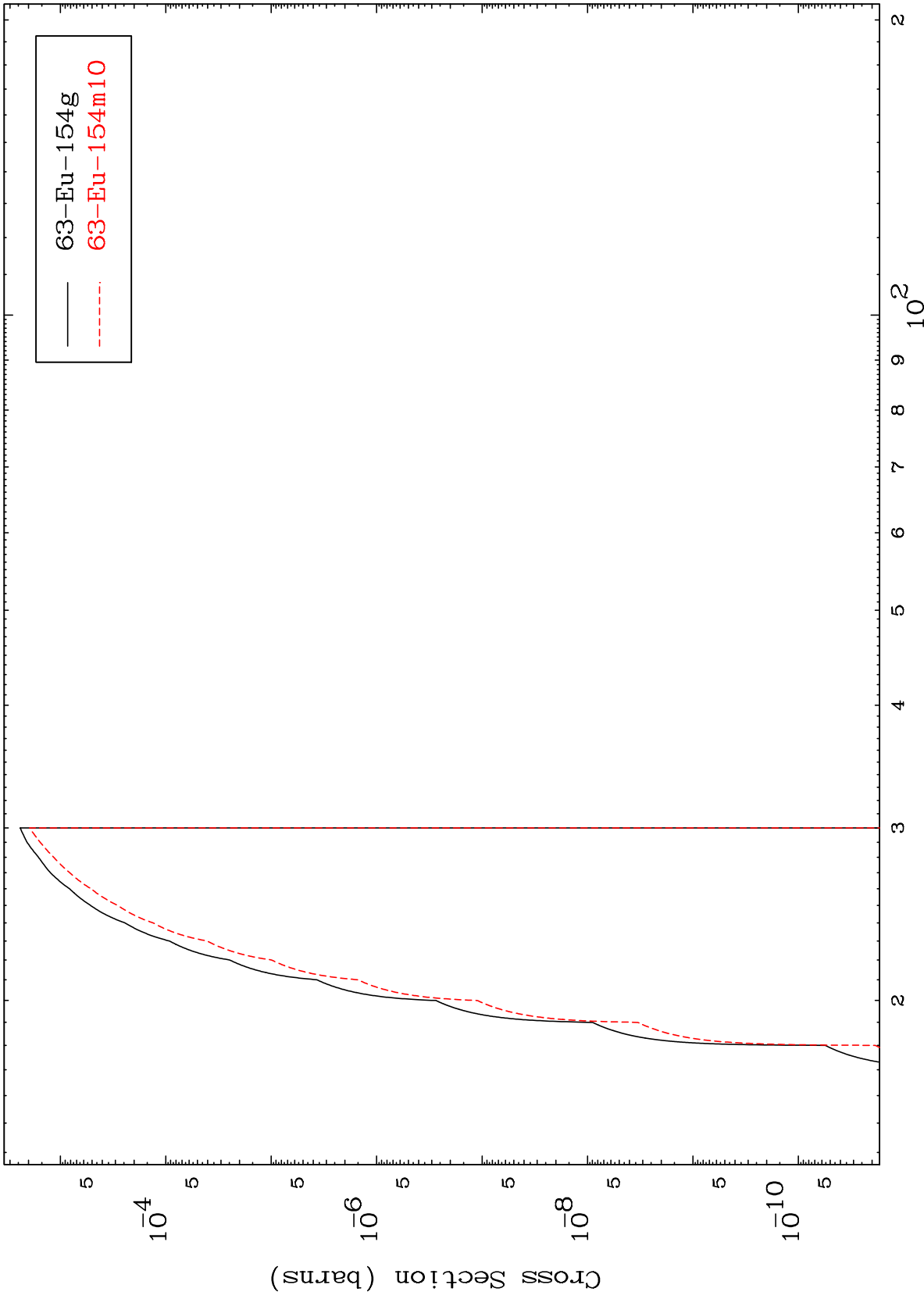
64-Gd-157

MAT 6440

(n,n') t

64-Gd-157

Radionuclide Production Cross Section



119

Incident Energy (MeV)

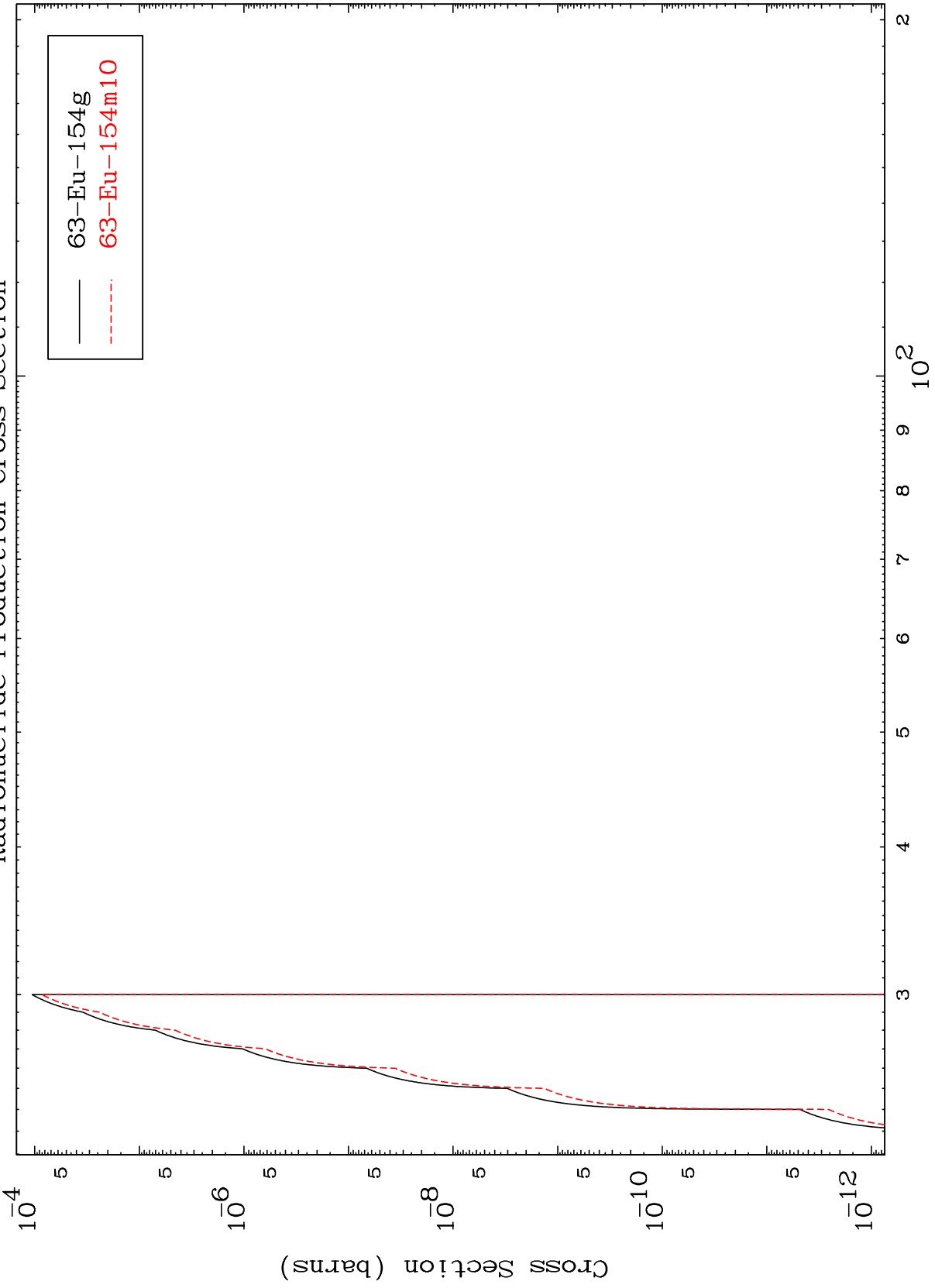
64-Gd-157

MAT 6440

(n,3n) p

64-Gd-157

Radionuclide Production Cross Section



120

Incident Energy (MeV)

64-Gd-157

MAT 6440

(n,n') p α

64-Gd-157

Radionuclide Production Cross Section

