

Program EVALPLOT
(Version 2018-1)

by

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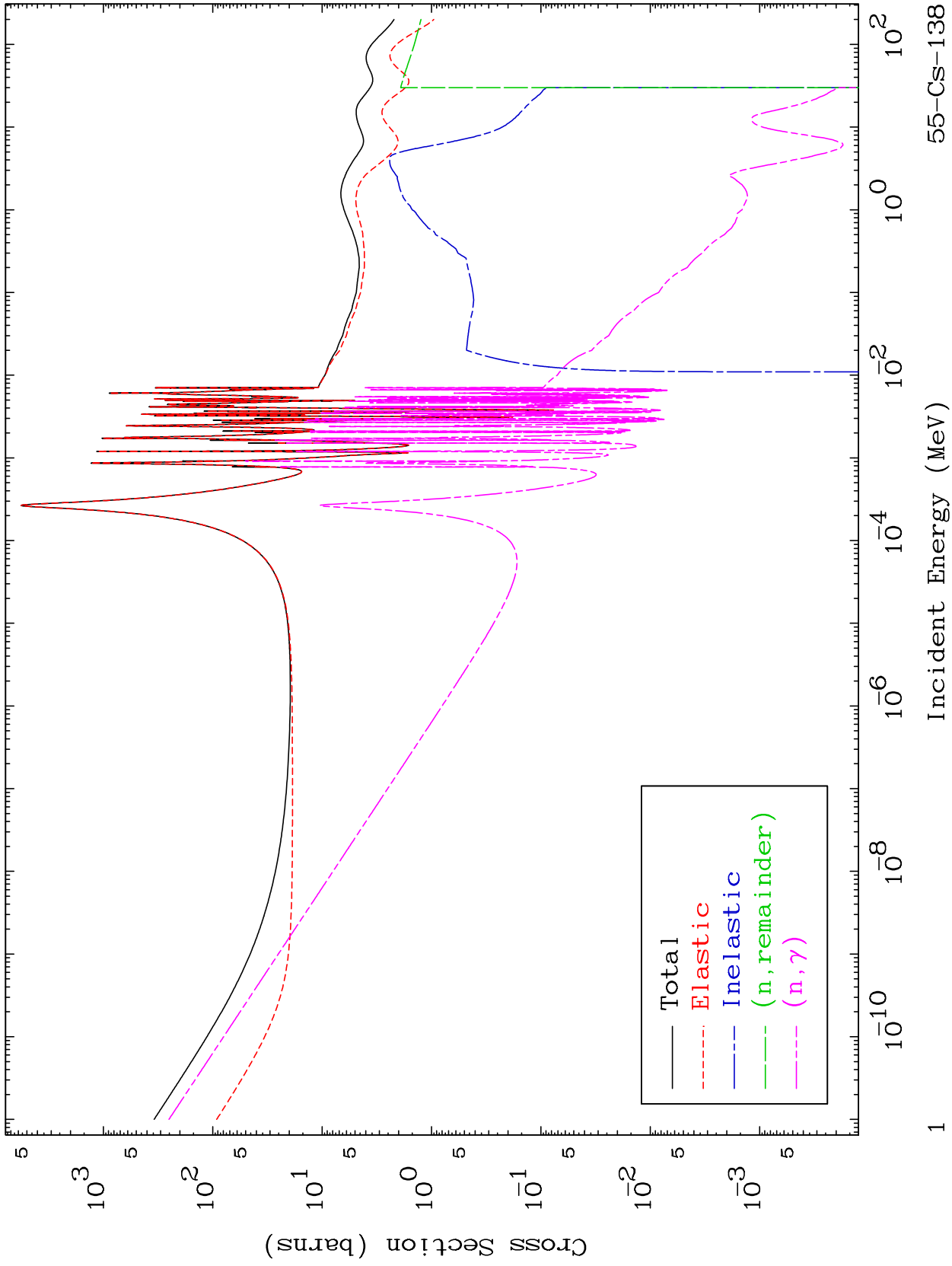
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5540

Major
293 Kelvin Cross Sections

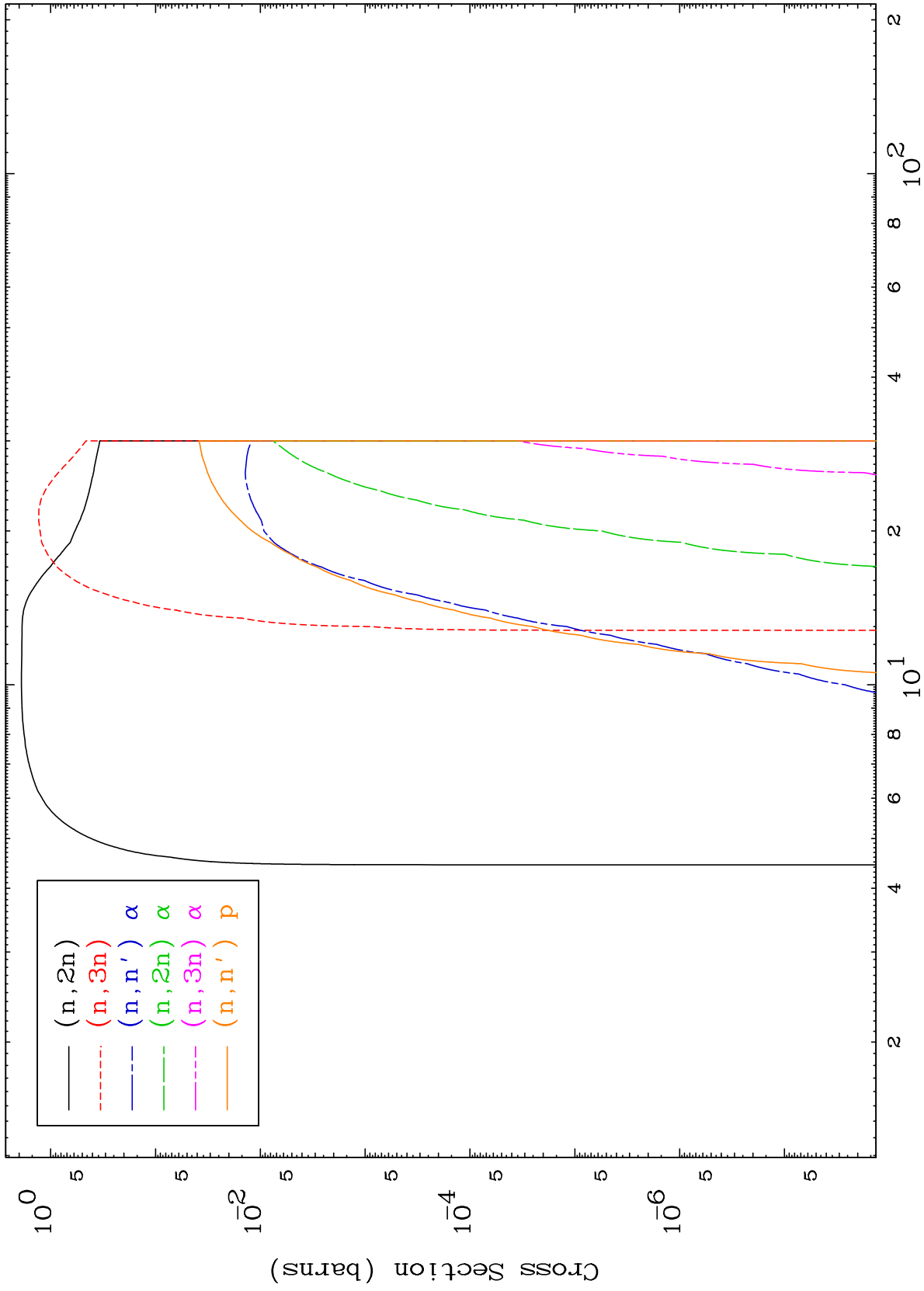
55-Cs-138



MAT 5540

Neutron Production 293 Kelvin Cross Sections

55-Cs-138



2

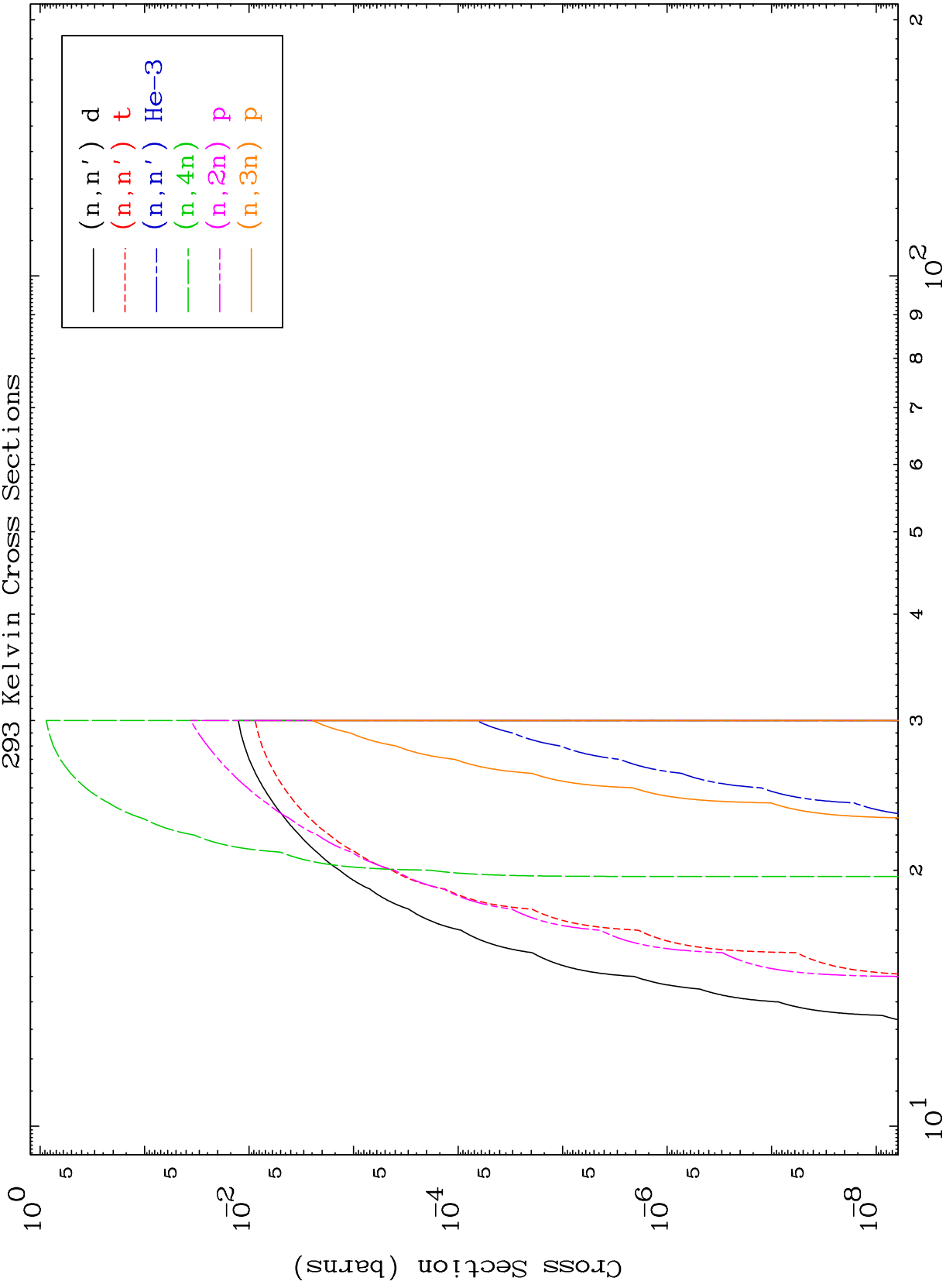
Incident Energy (MeV)

55-Cs-138

MAT 5540

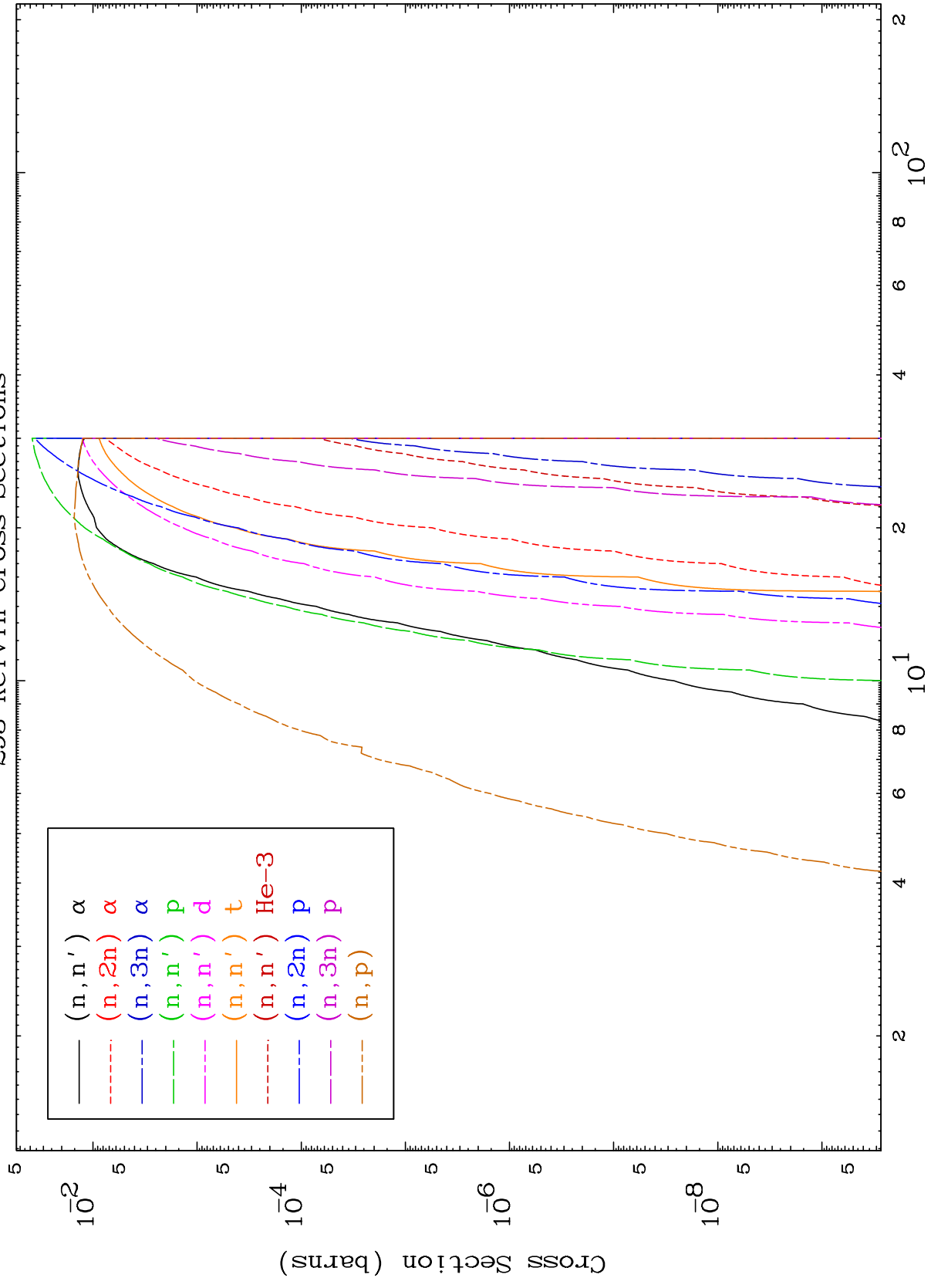
Neutron Production
293 Kelvin Cross Sections

55-Cs-138



Incident Energy (MeV)

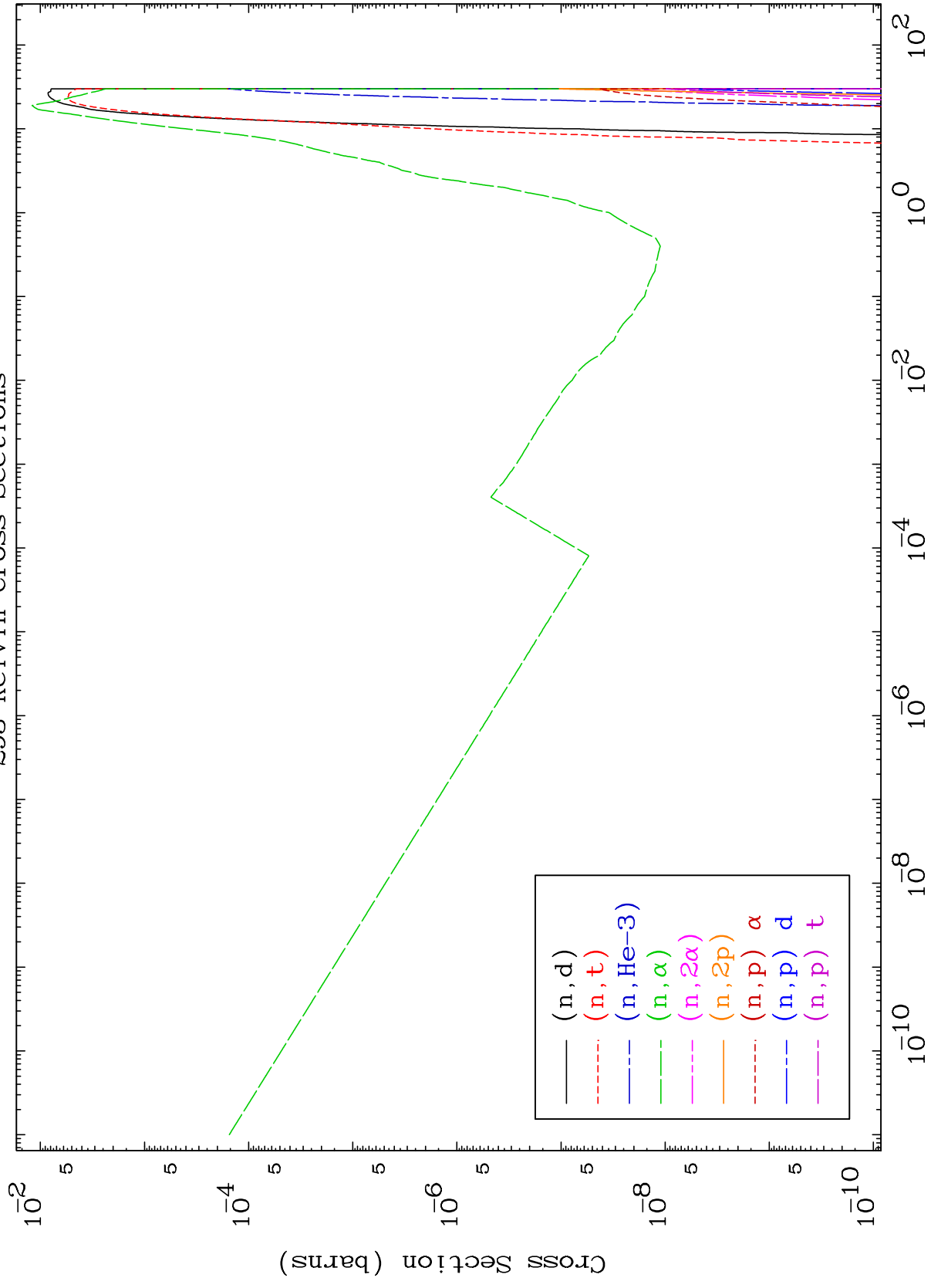
55-Cs-138



MAT 5540

Charged Particle
293 Kelvin Cross Sections

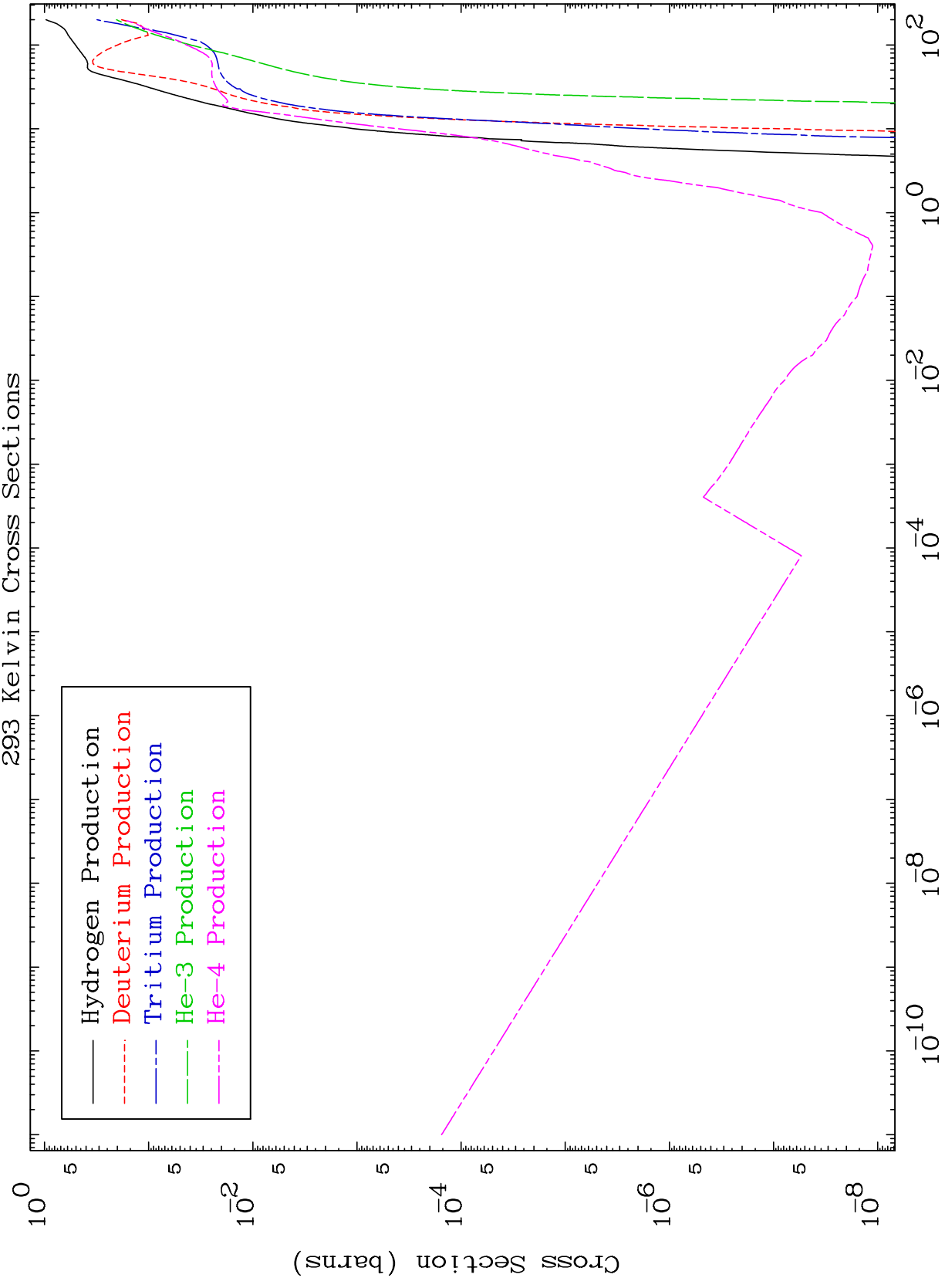
55-Cs-138



MAT 5540

Particle Production
293 Kelvin Cross Sections

55-Cs-138



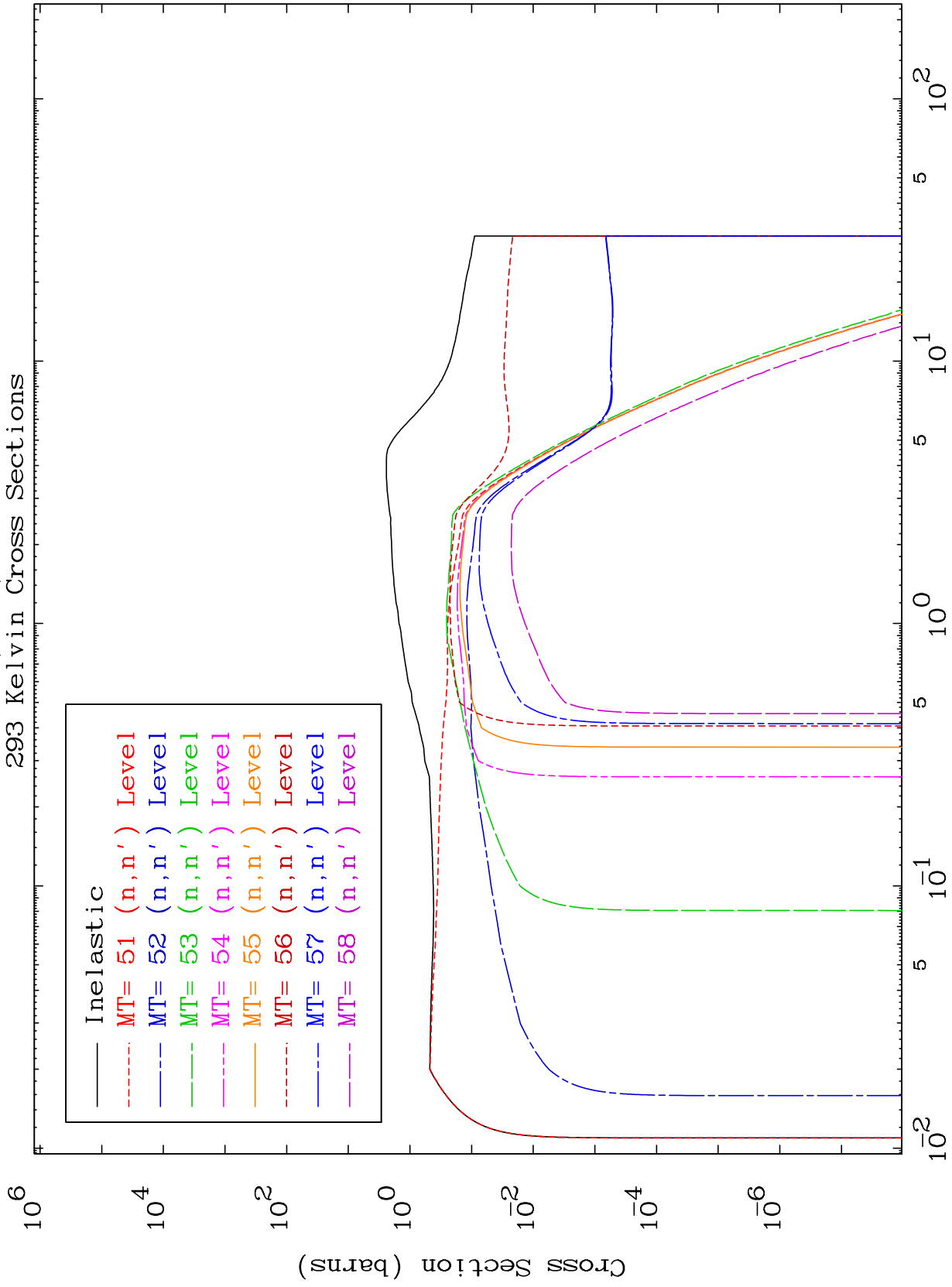
6

55-Cs-138

MAT 5540

293 Kelvin Cross Sections

55-Cs-138



7

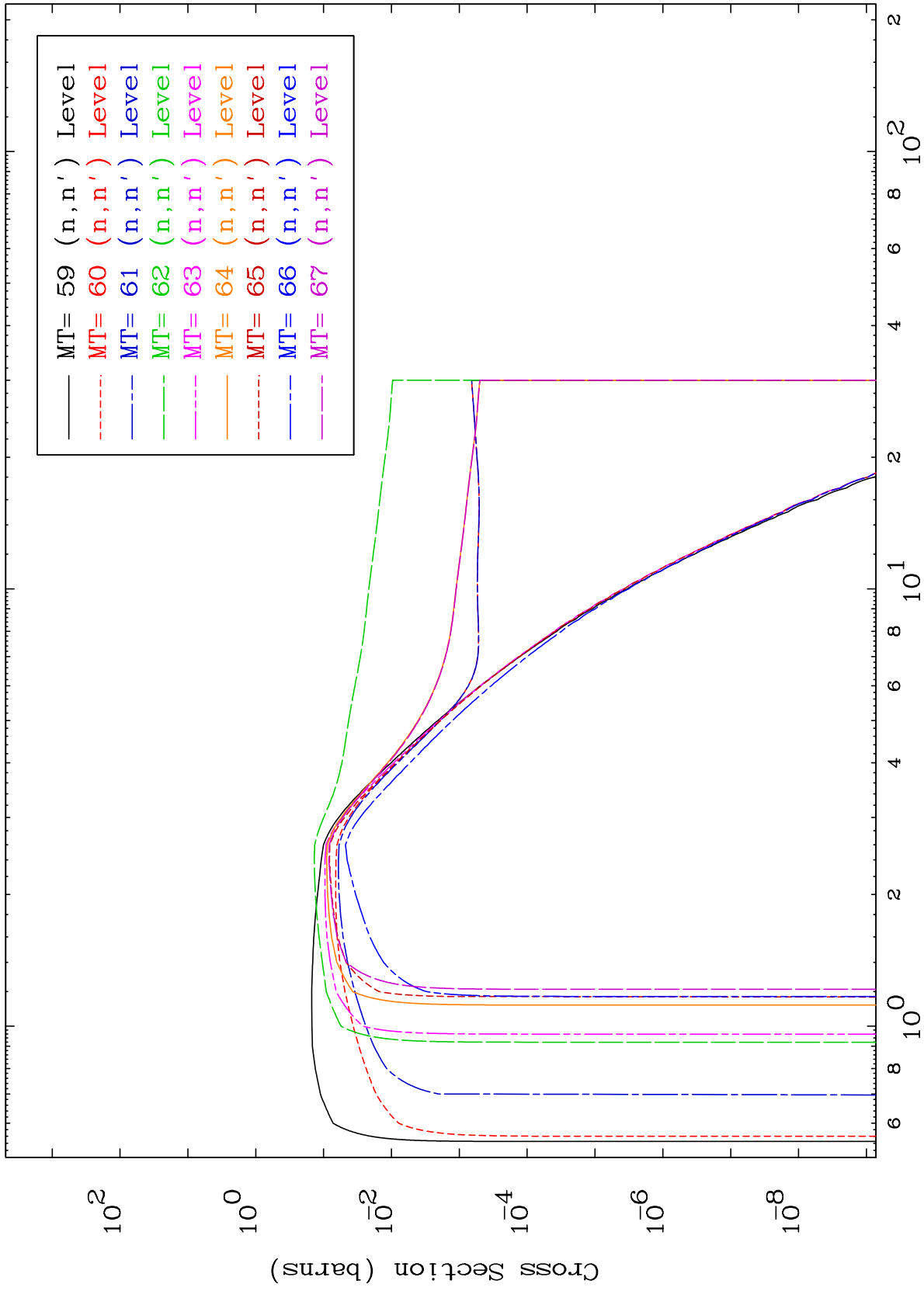
Incident Energy (MeV)

55-Cs-138

MAT 5540

(n,n') Level
293 Kelvin Cross Sections

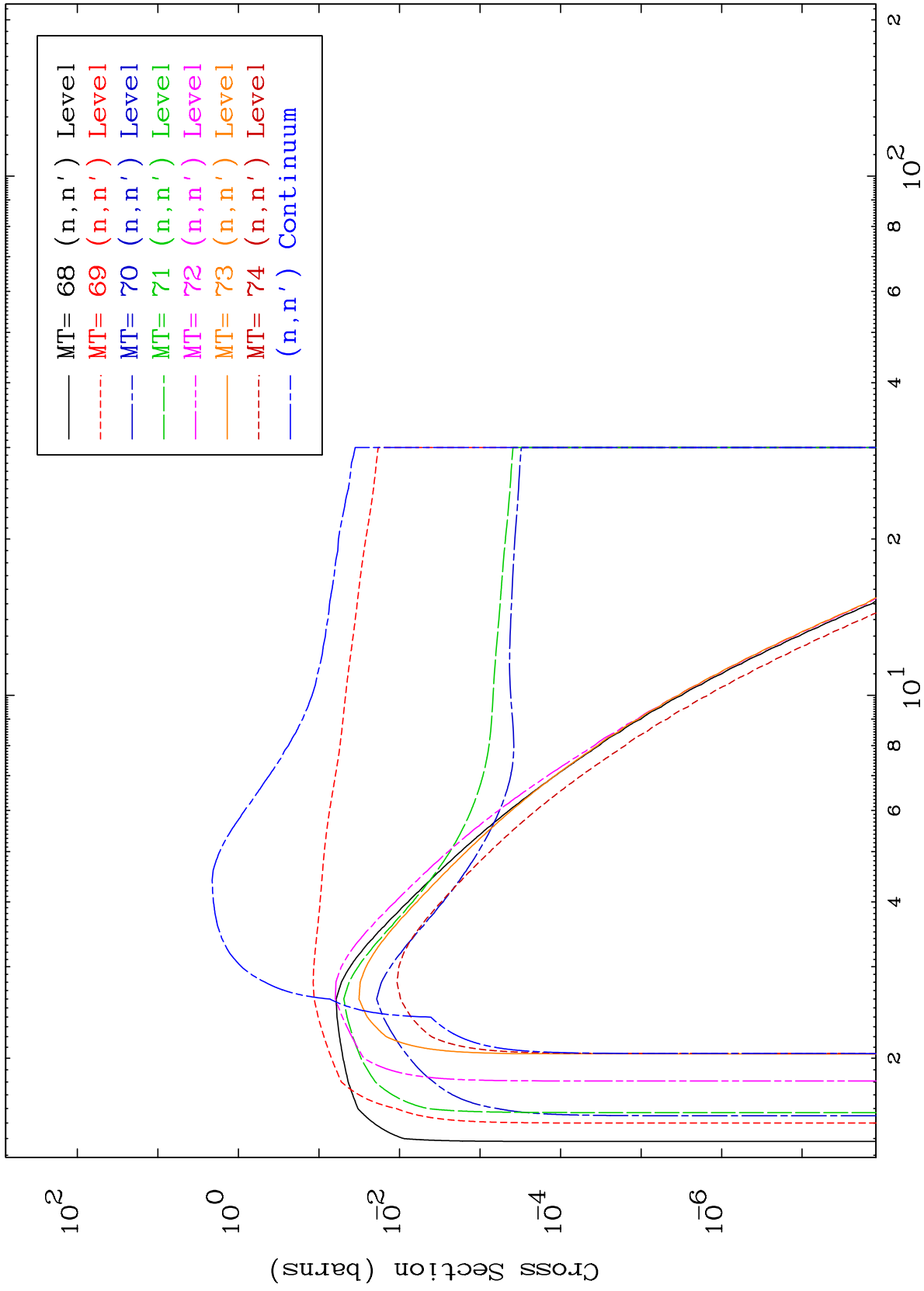
55-Cs-138



8

Incident Energy (MeV)

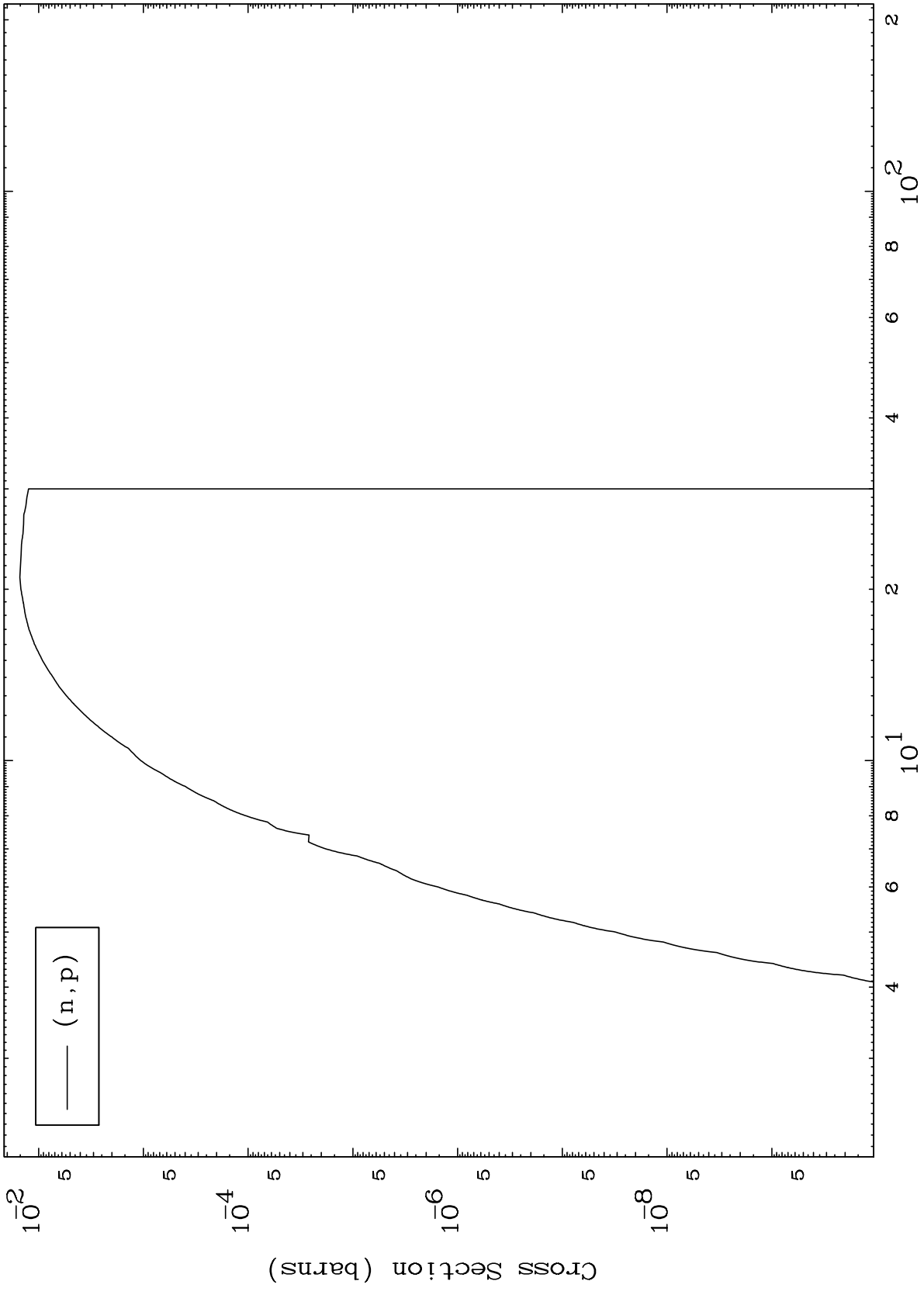
55-Cs-138



MAT 5540

(n,p) Levels
293 Kelvin Cross Sections

55-Cs-138



10

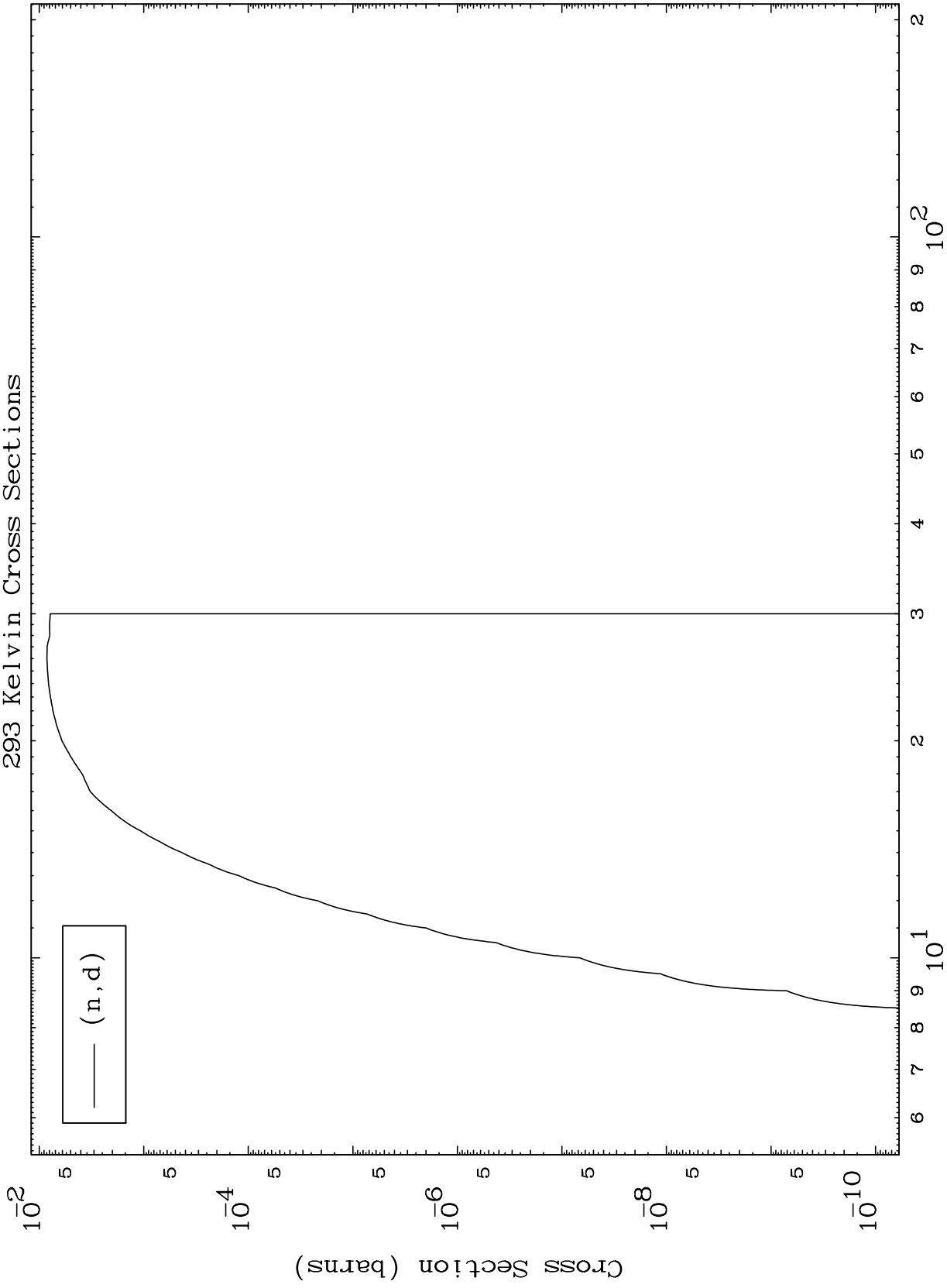
Incident Energy (MeV)

55-Cs-138

MAT 5540

(n,d) Levels
293 Kelvin Cross Sections

55-Cs-138



11

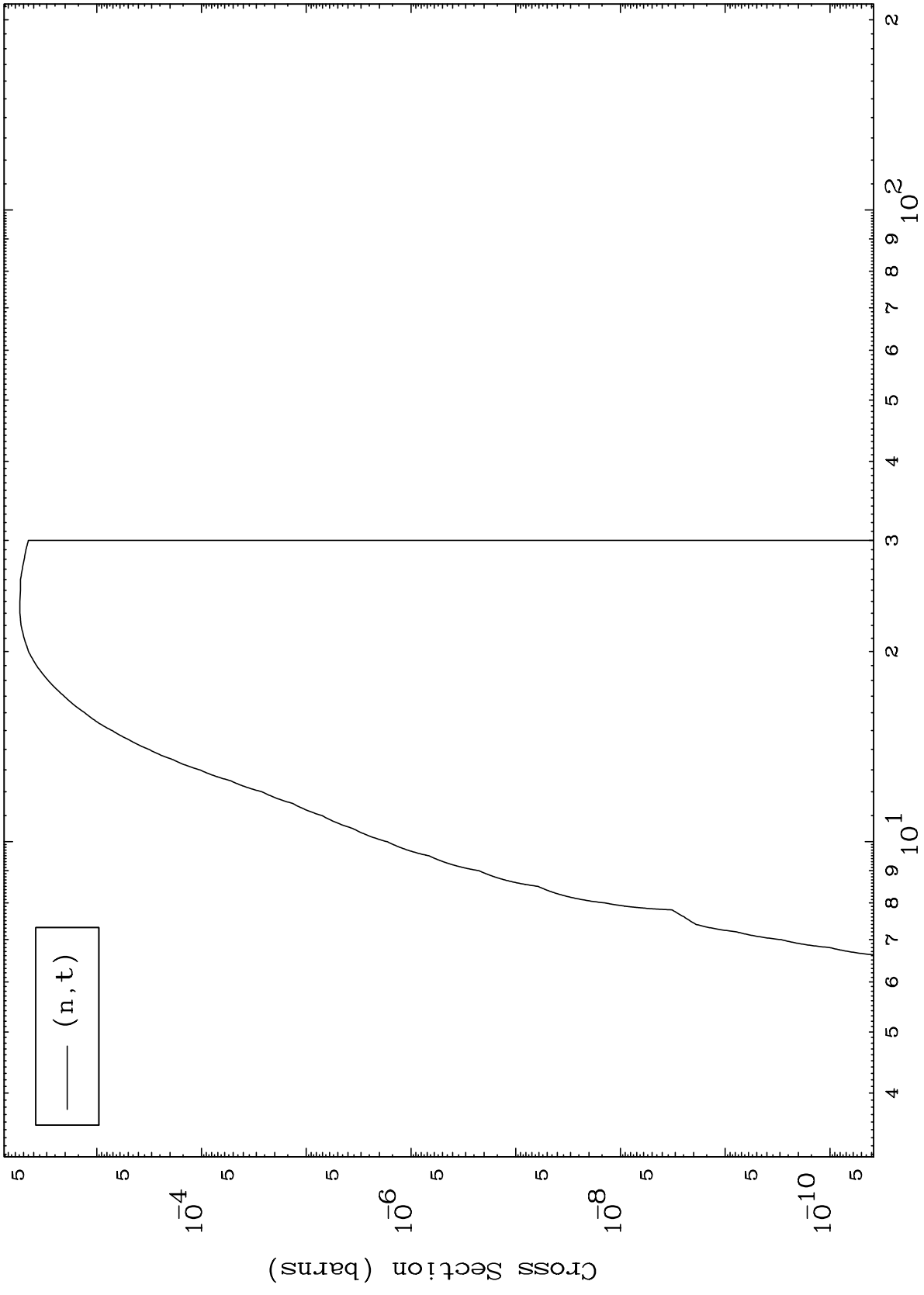
Incident Energy (MeV)

55-Cs-138

MAT 5540

(n,t) Levels
293 Kelvin Cross Sections

55-Cs-138



12

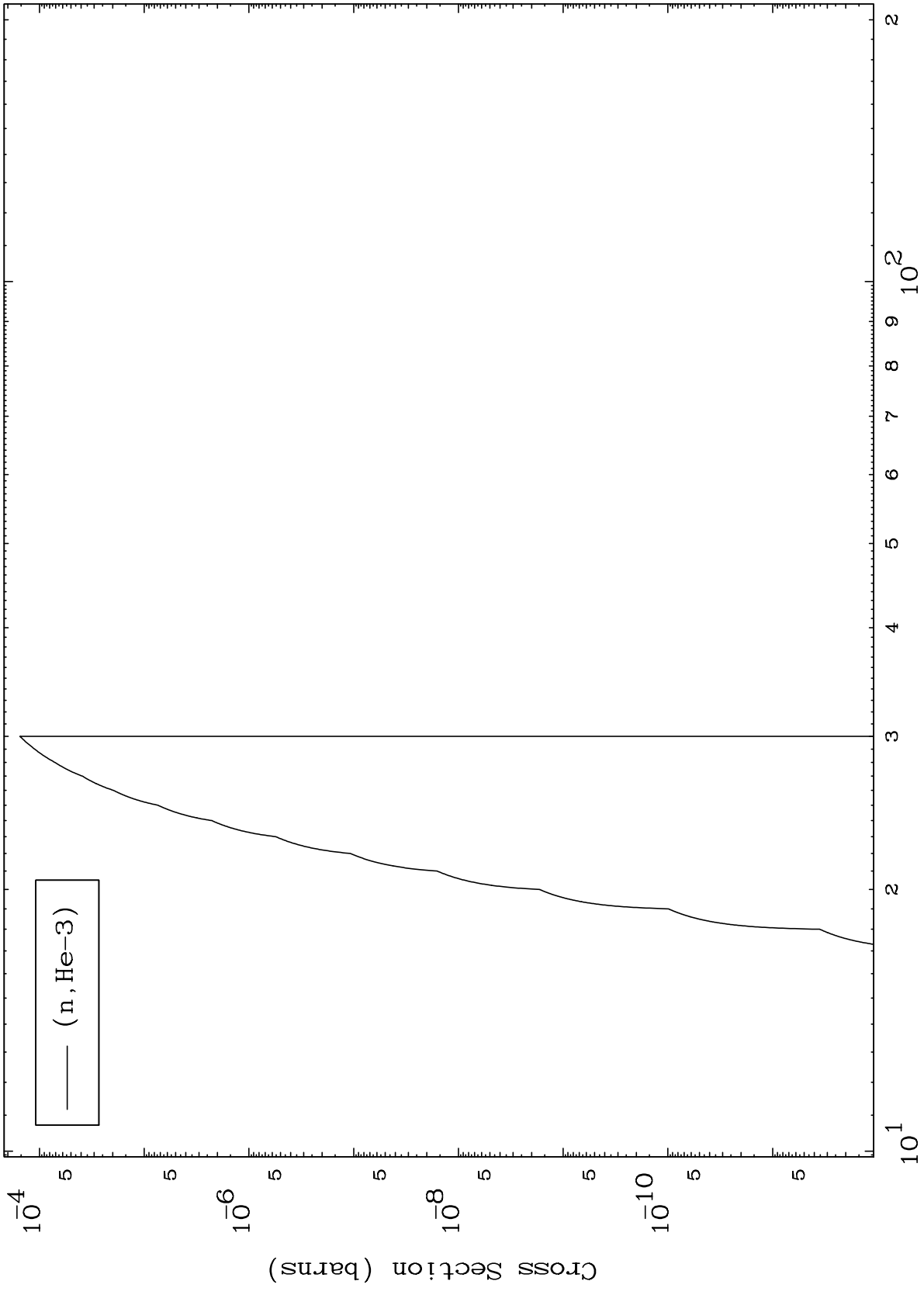
Incident Energy (MeV)

55-Cs-138

MAT 5540

(n,He3) Levels
293 Kelvin Cross Sections

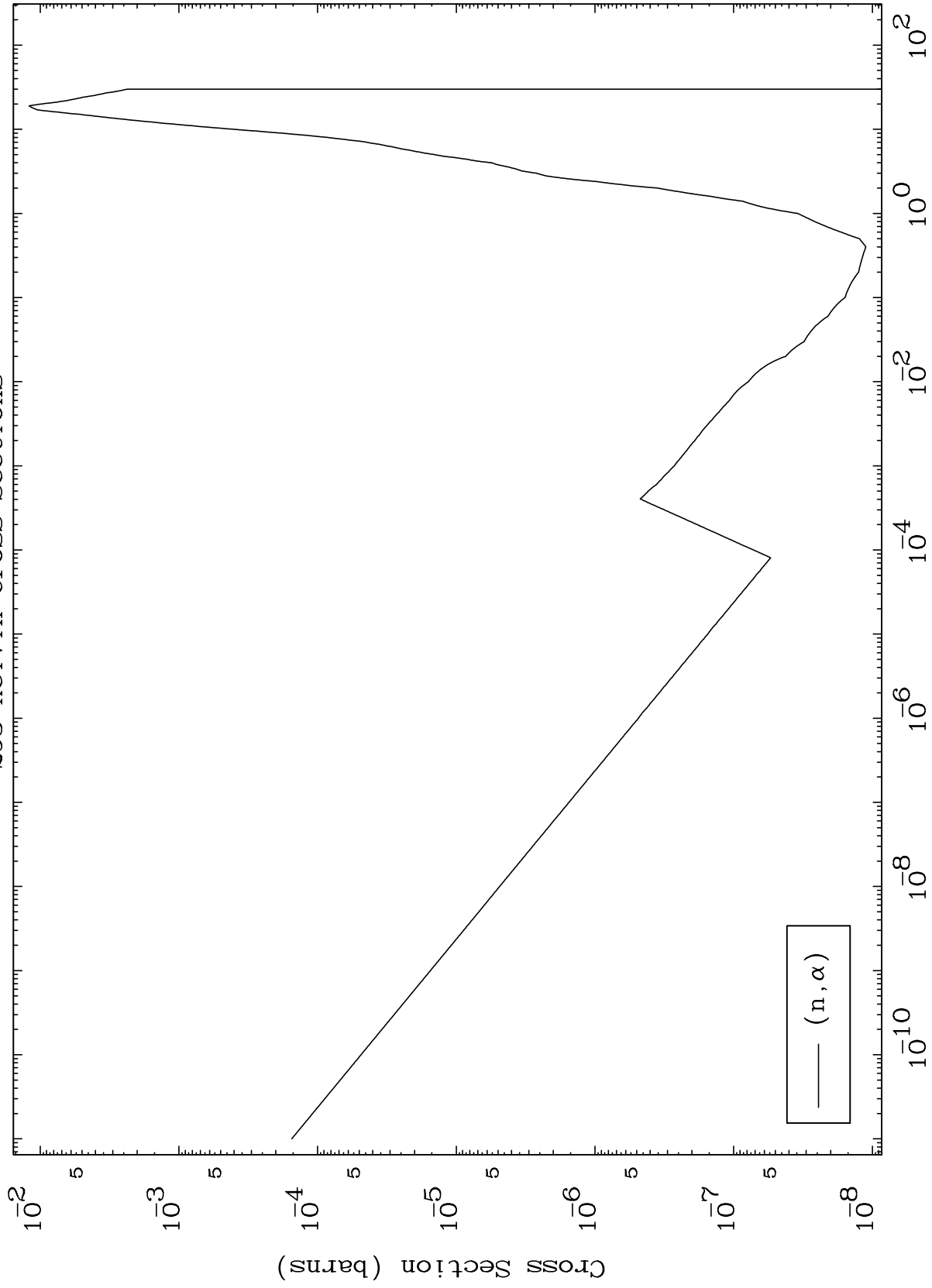
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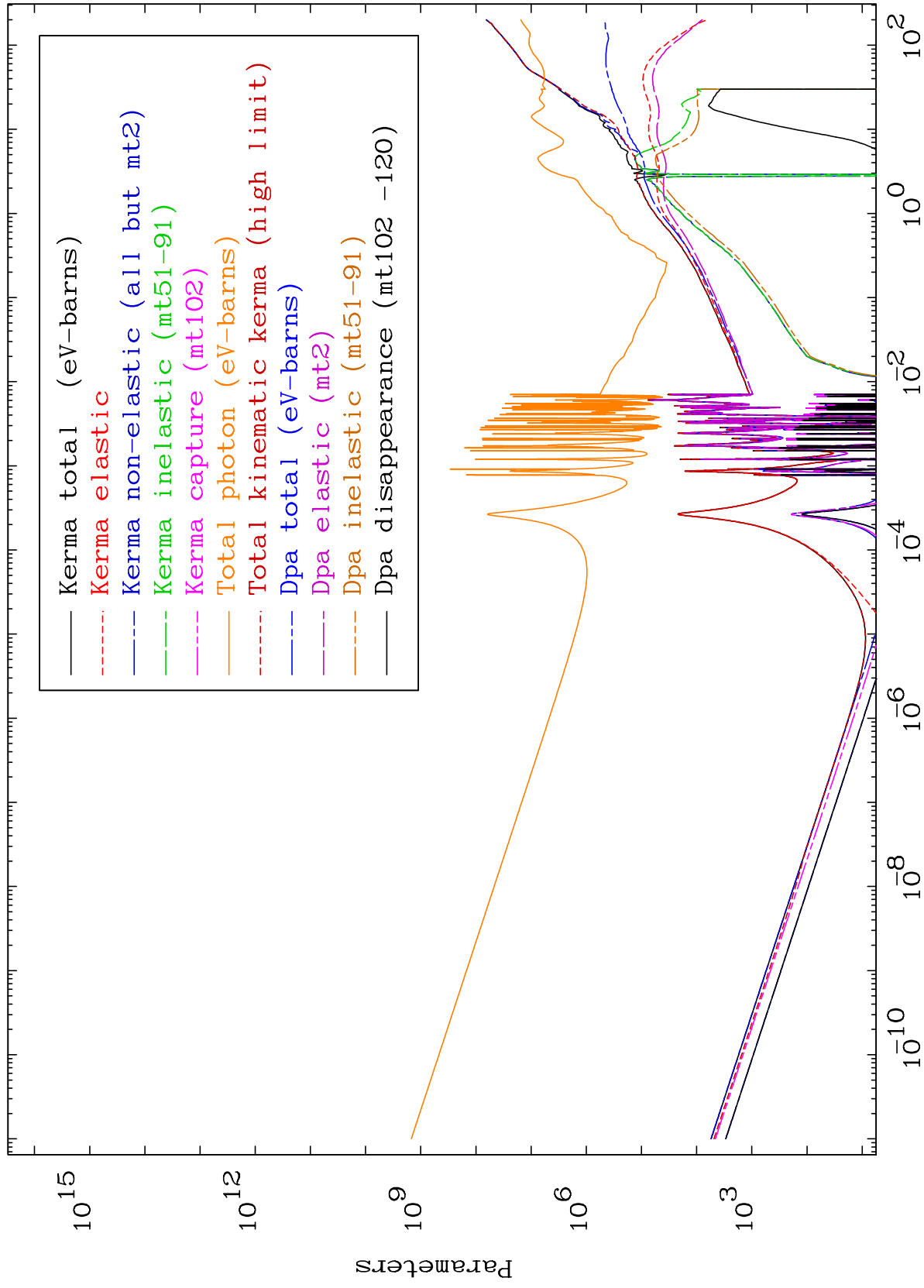


MAT 5540

(n,α) Levels
293 Kelvin Cross Sections

55-Cs-138

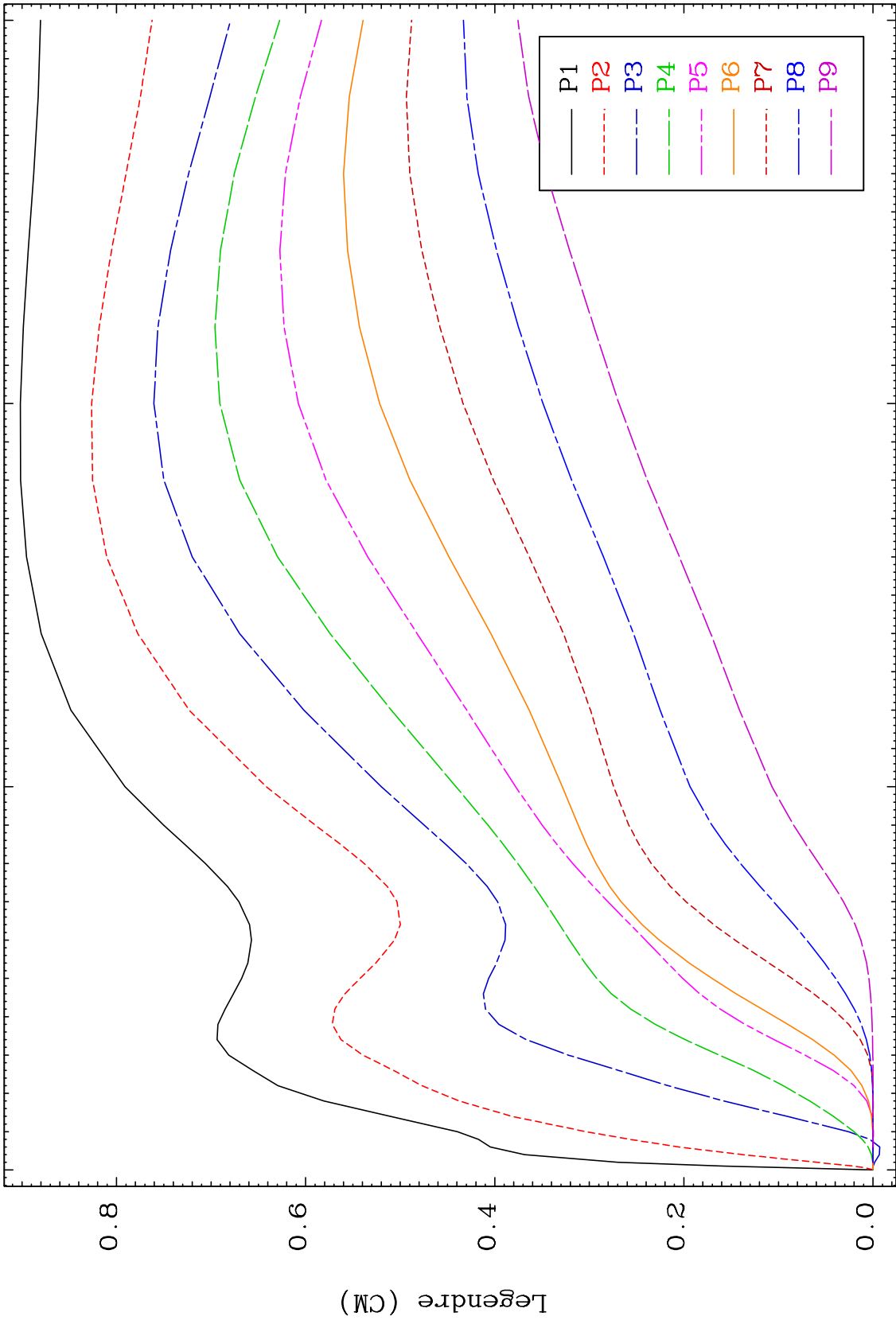




55-Cs-138

Elastic Legendre Coefficients

MAT 5540



55-Cs-138

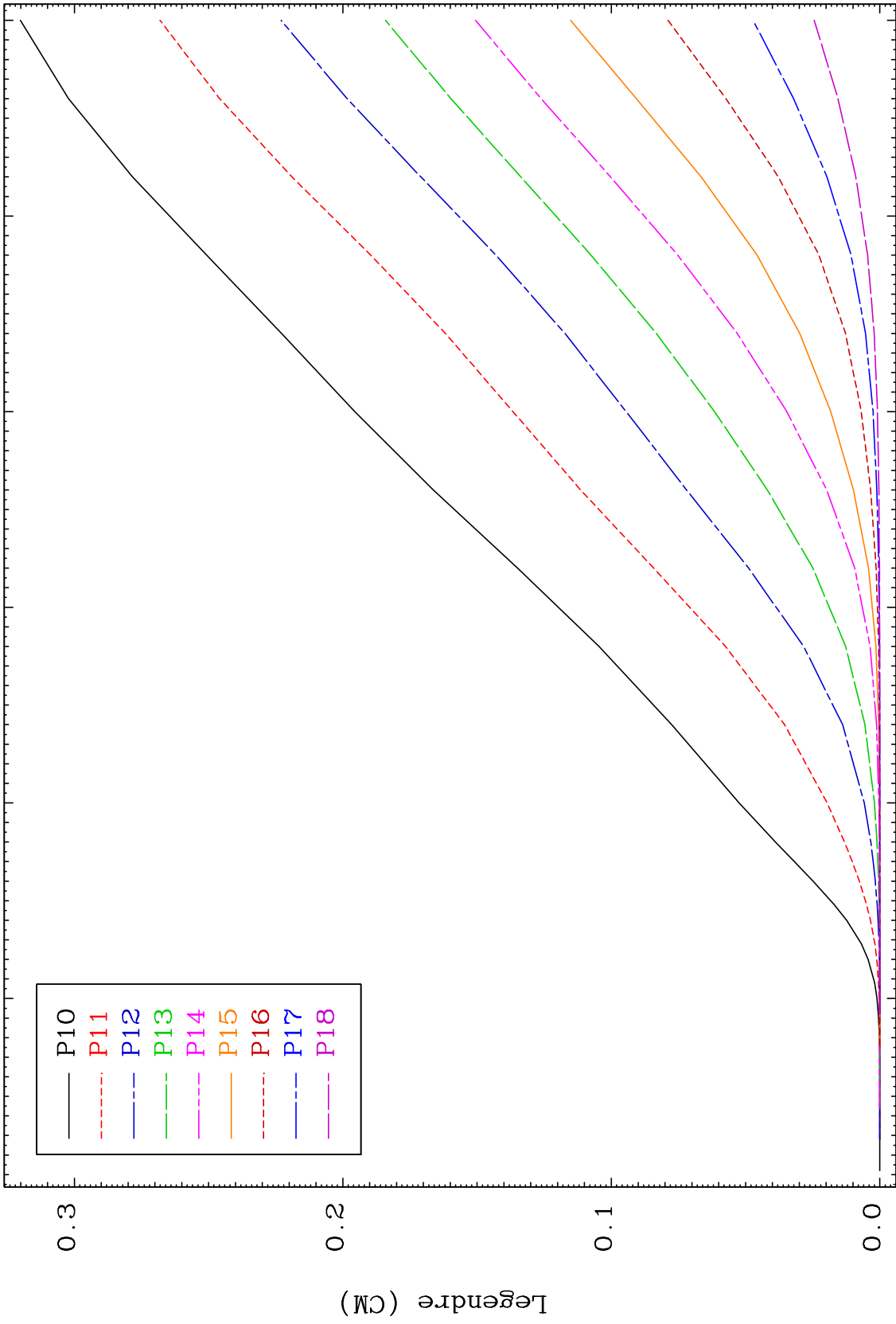
Incident Energy (MeV)

16

MAT 5540

Elastic Legendre Coefficients

55-Cs-138



17

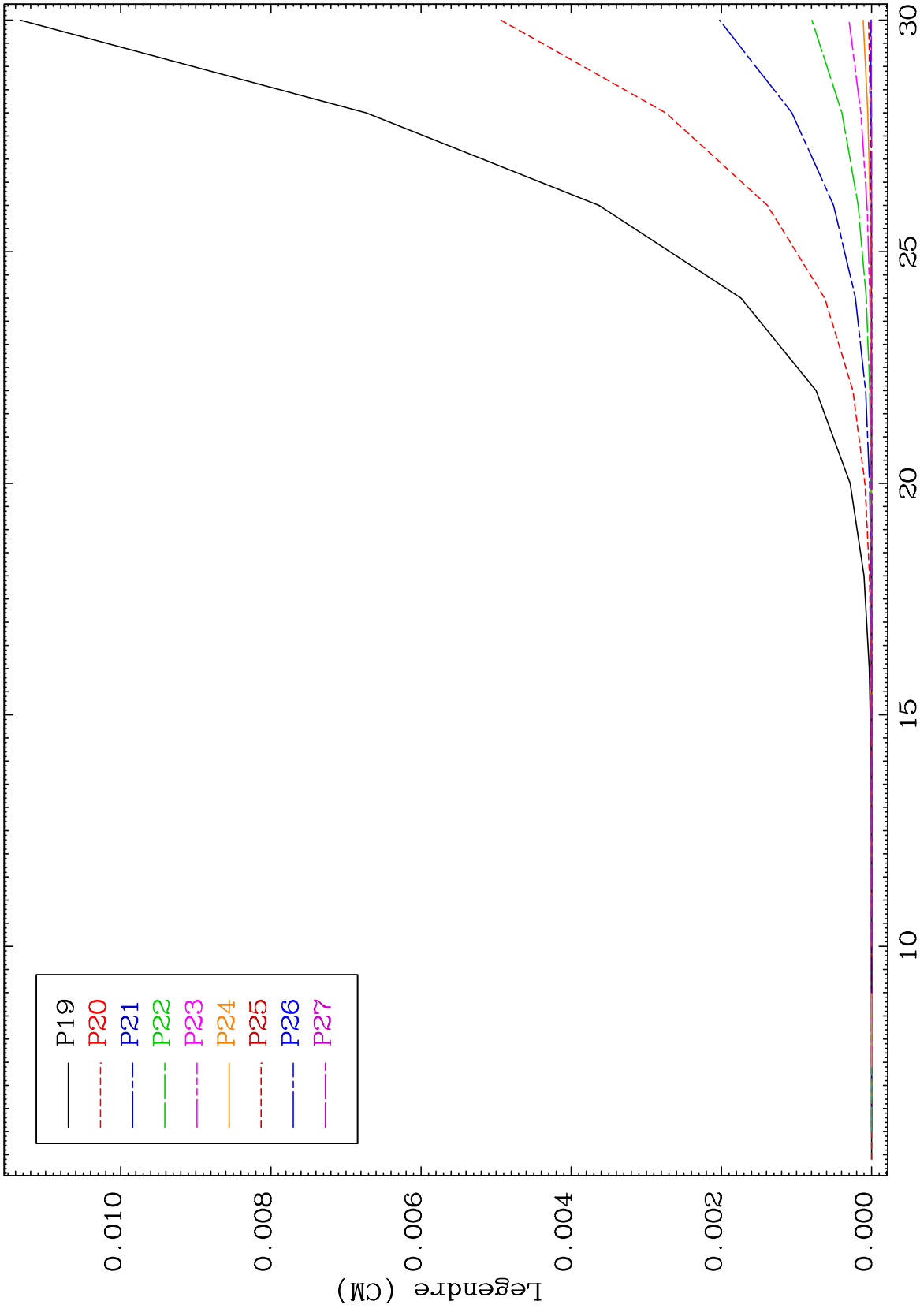
Incident Energy (MeV)

55-Cs-138

MAT 5540

Elastic Legendre Coefficients

55-Cs-138

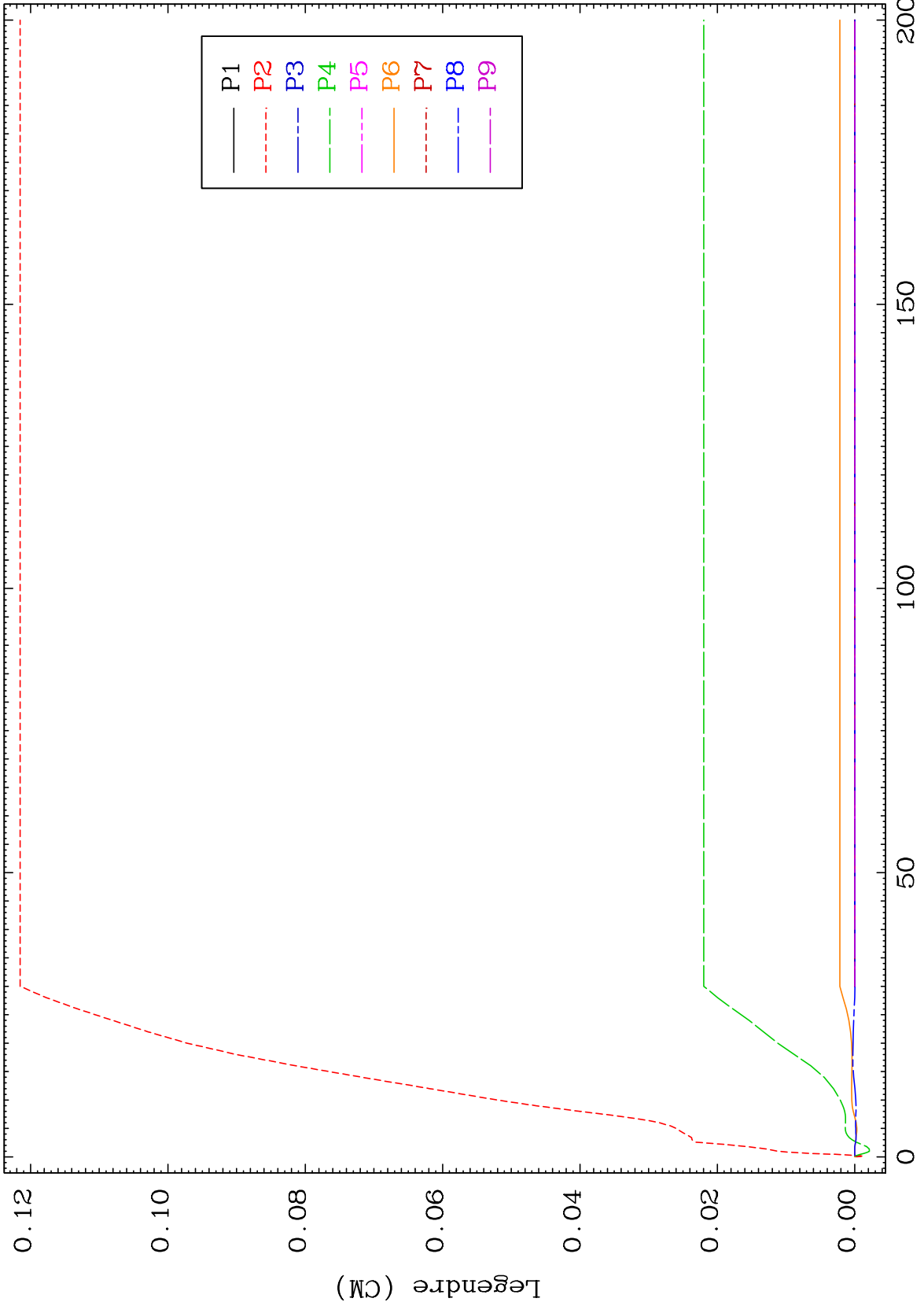


18

Incident Energy (MeV)

55-Cs-138

MAT 5540 MT= 51 (n,n') Level Legendre Coefficients 55-Cs-138

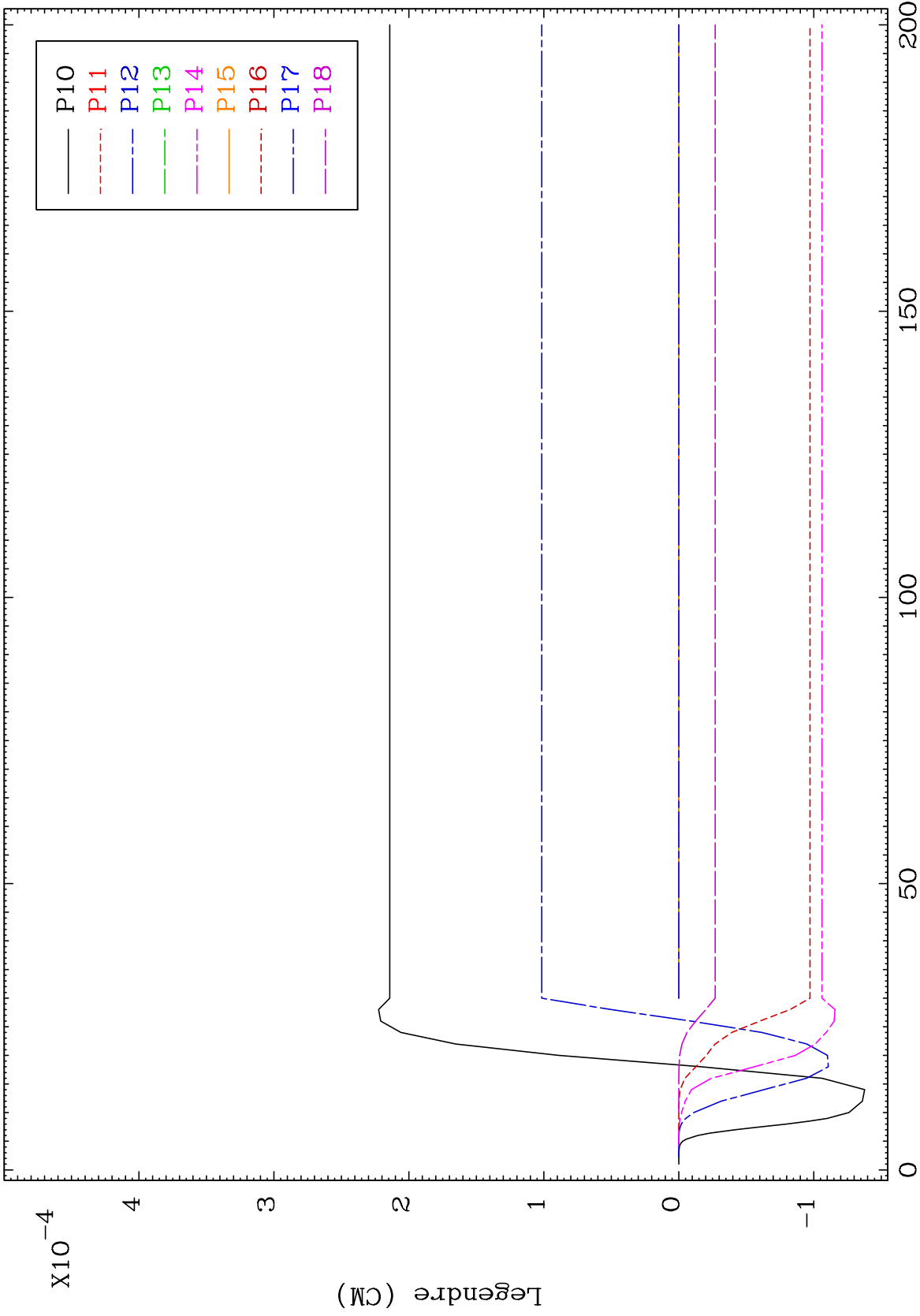


55-Cs-138

MAT 5540

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

55-Cs-138



21

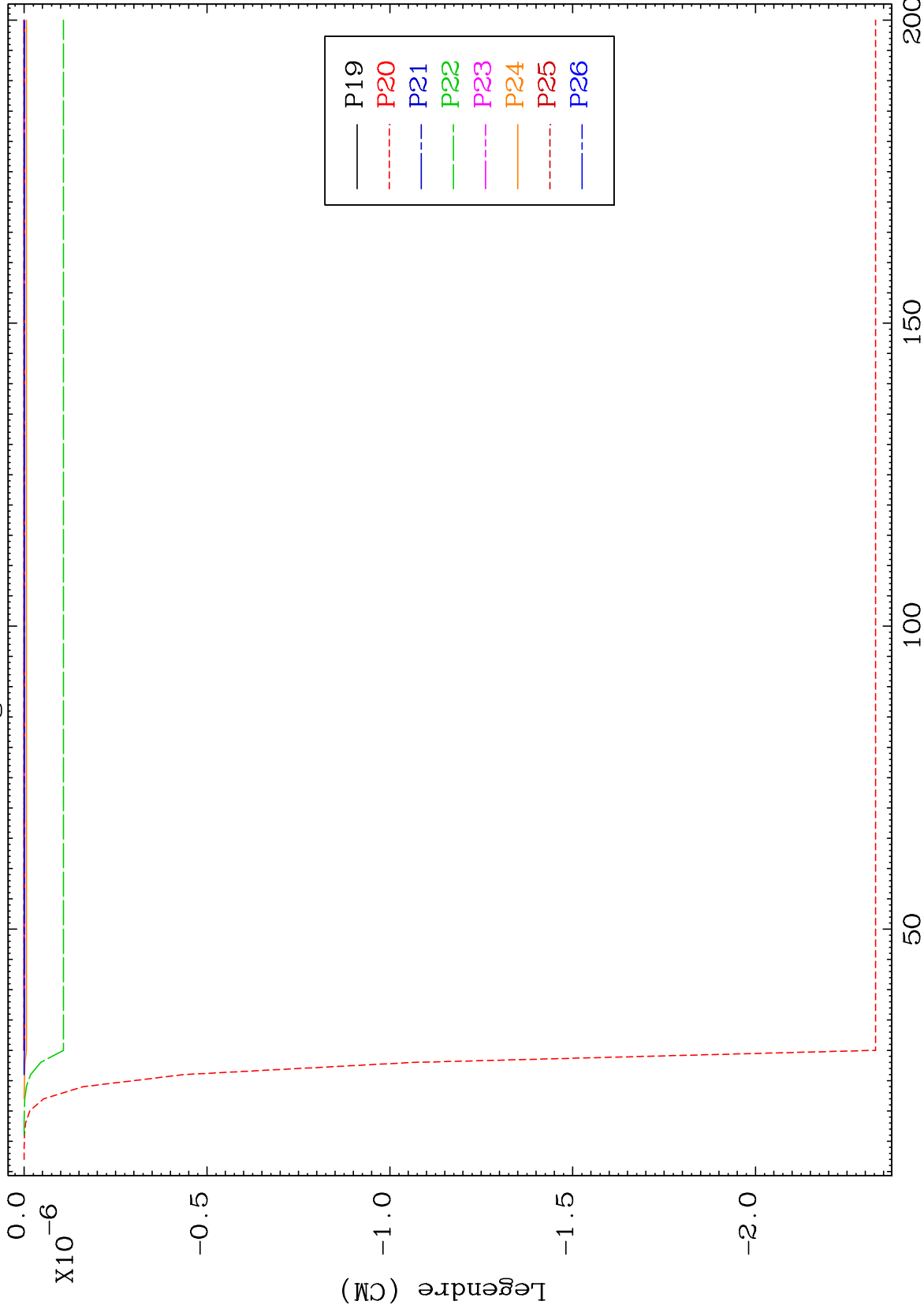
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



55-Cs-138

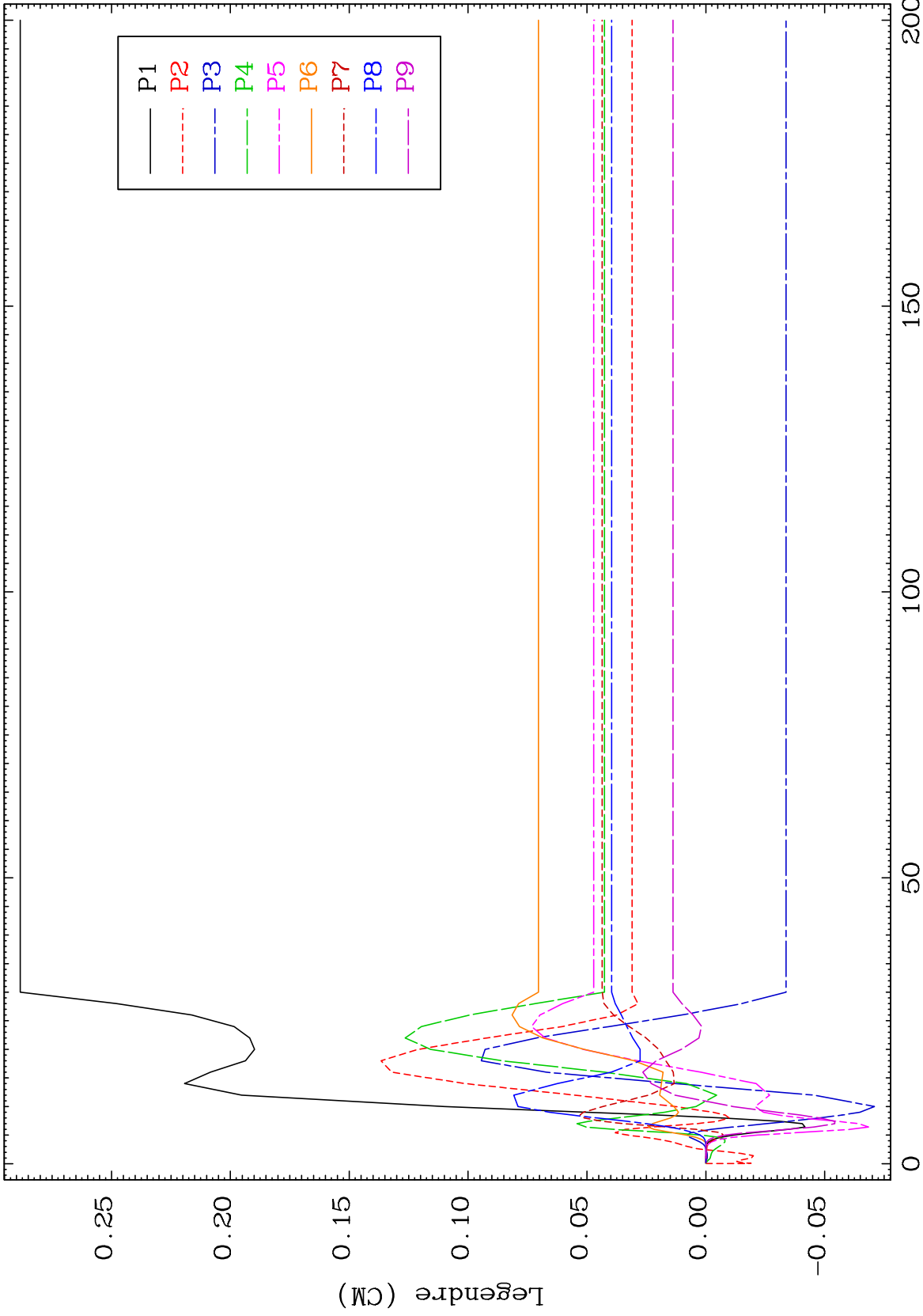
Incident Energy (MeV)

22

MAT 5540

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

55-Cs-138

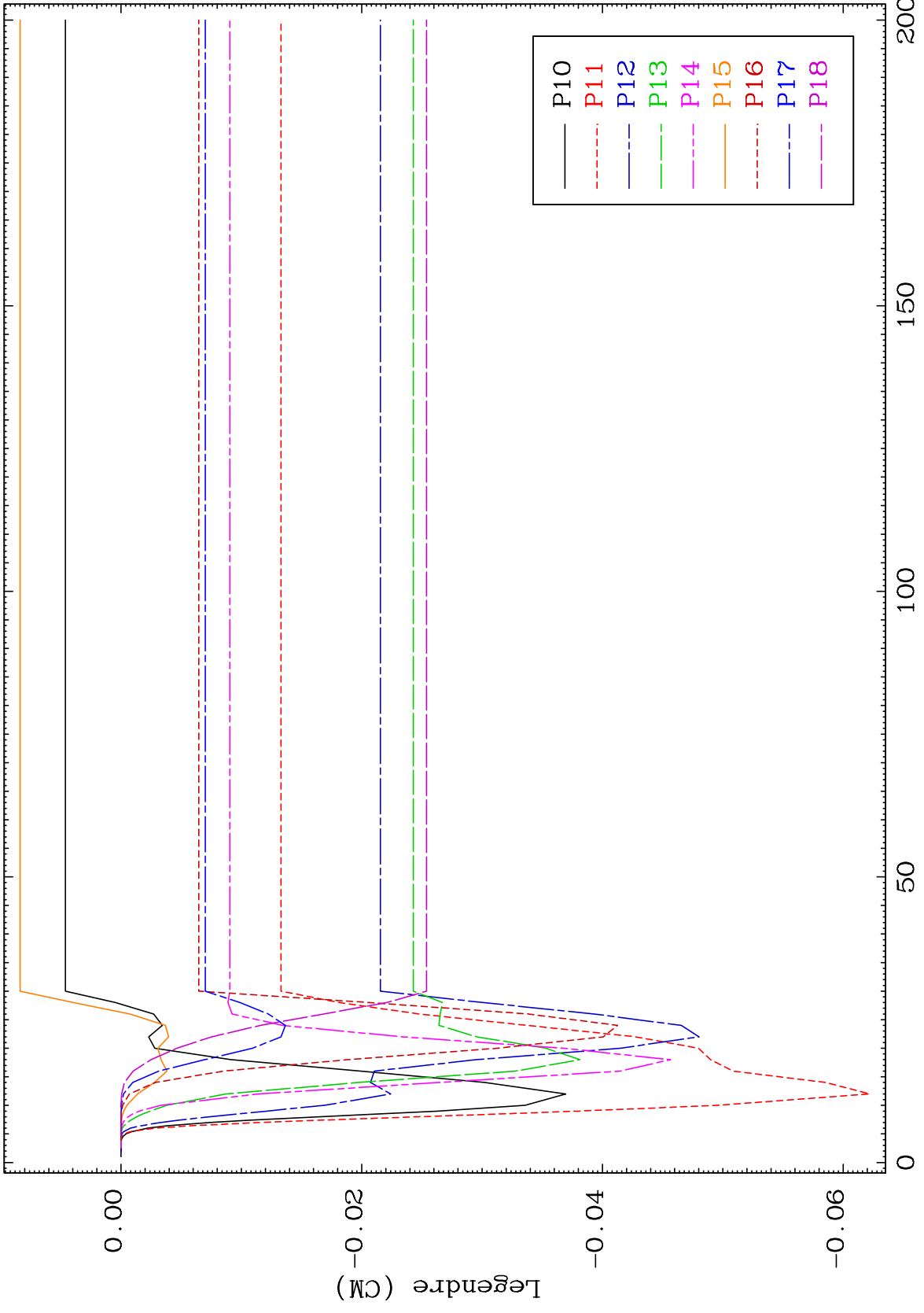


23

Incident Energy (MeV)

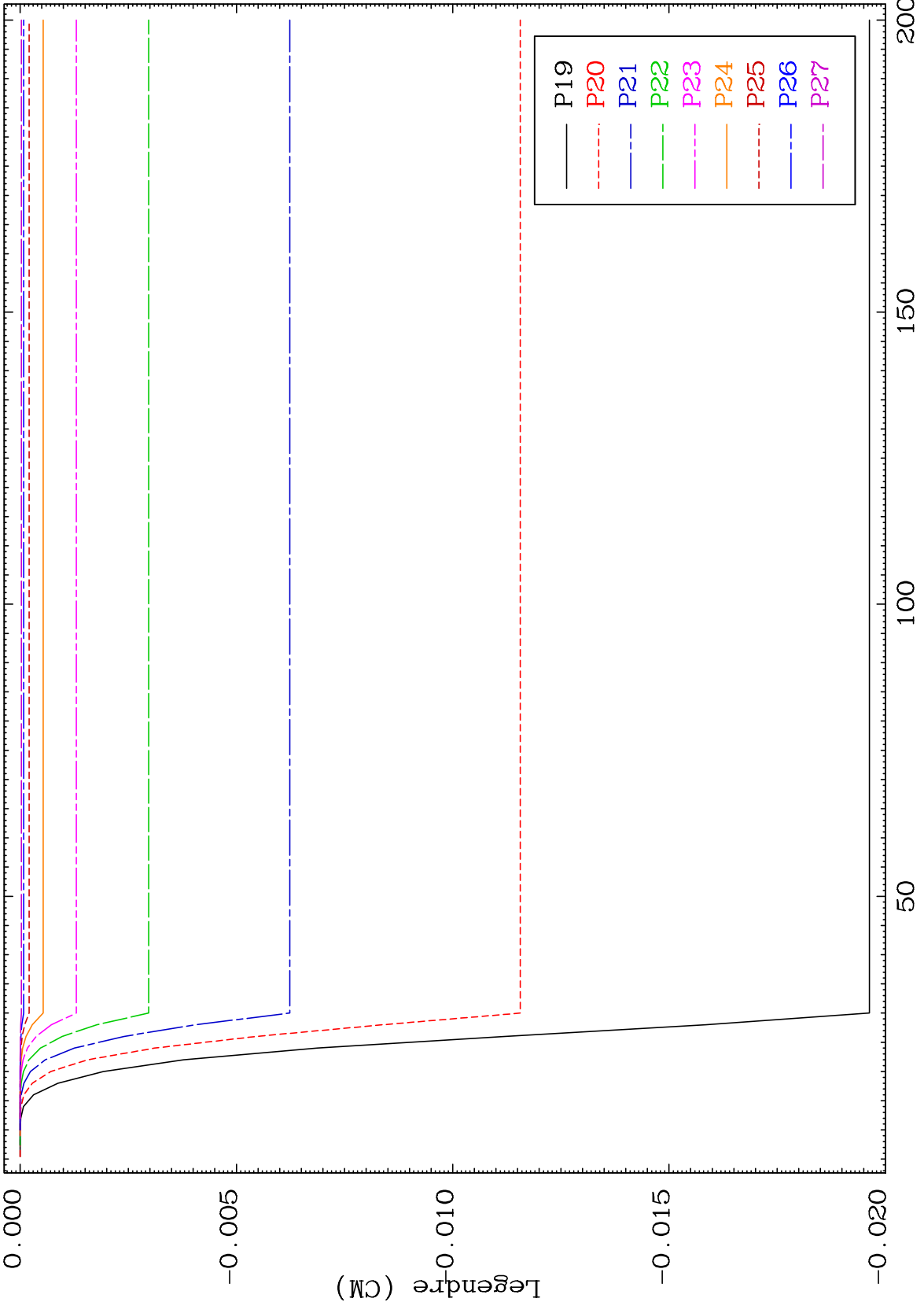
55-Cs-138

MAT 5540 MT= 52 (n,n') Level Legendre Coefficients 55-Cs-138



24 55-Cs-138

MAT 5540 MT= 52 (n,n') Level Legendre Coefficients 55-Cs-138

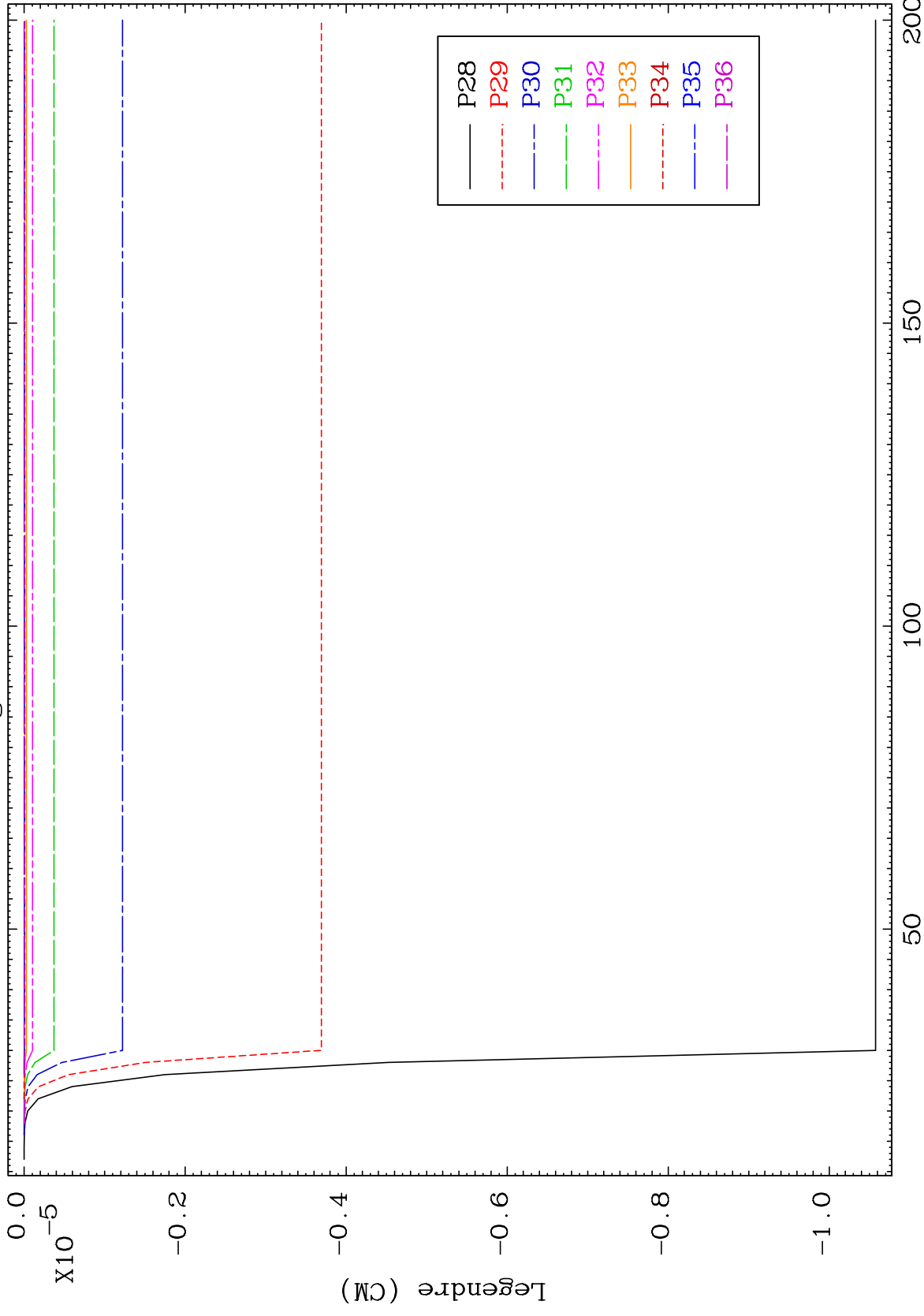


25 Incident Energy (MeV) 55-Cs-138

MAT 5540

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

55-Cs-138



55-Cs-138

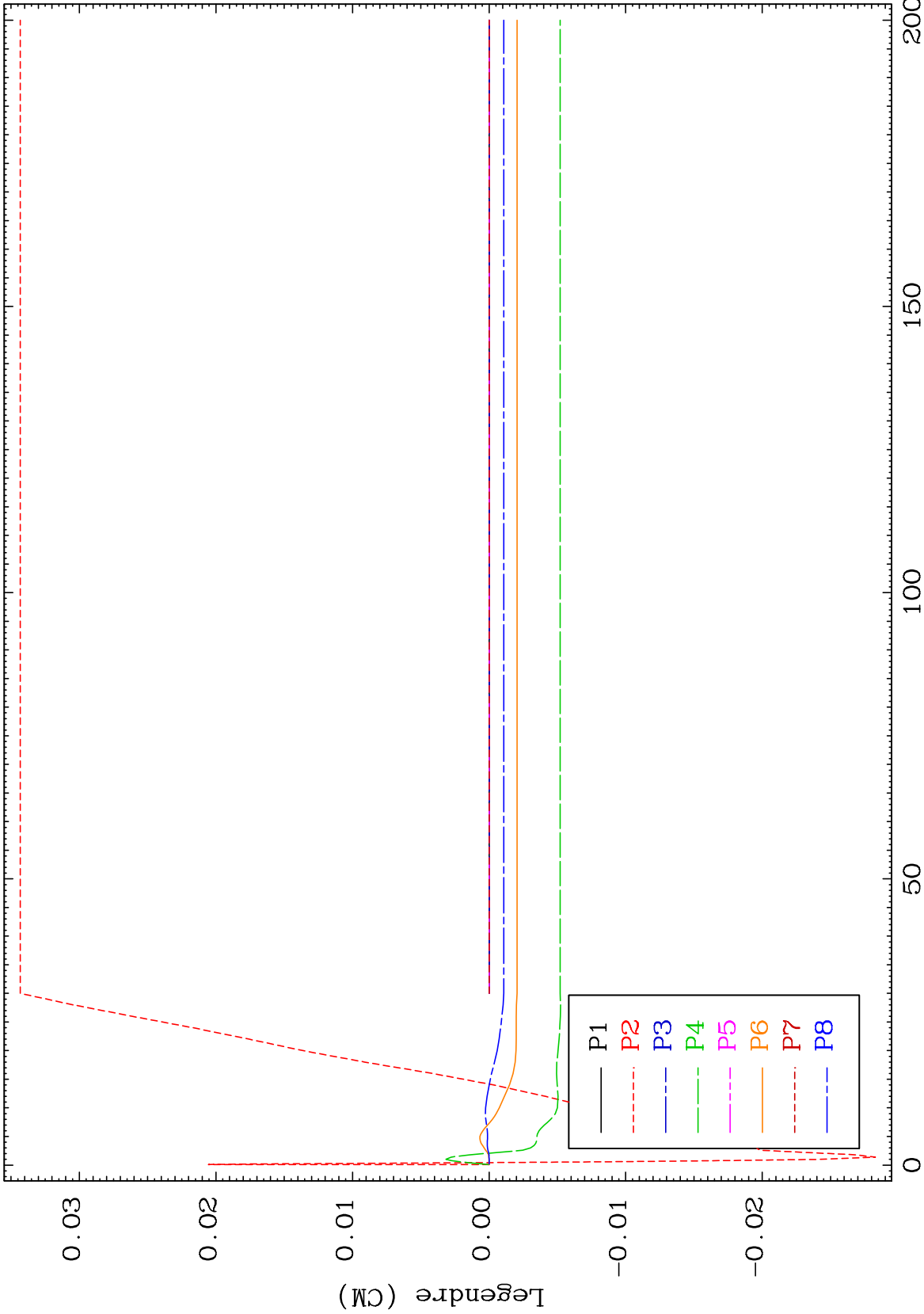
Incident Energy (MeV)

26

MAT 5540

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

55-Cs-138



27

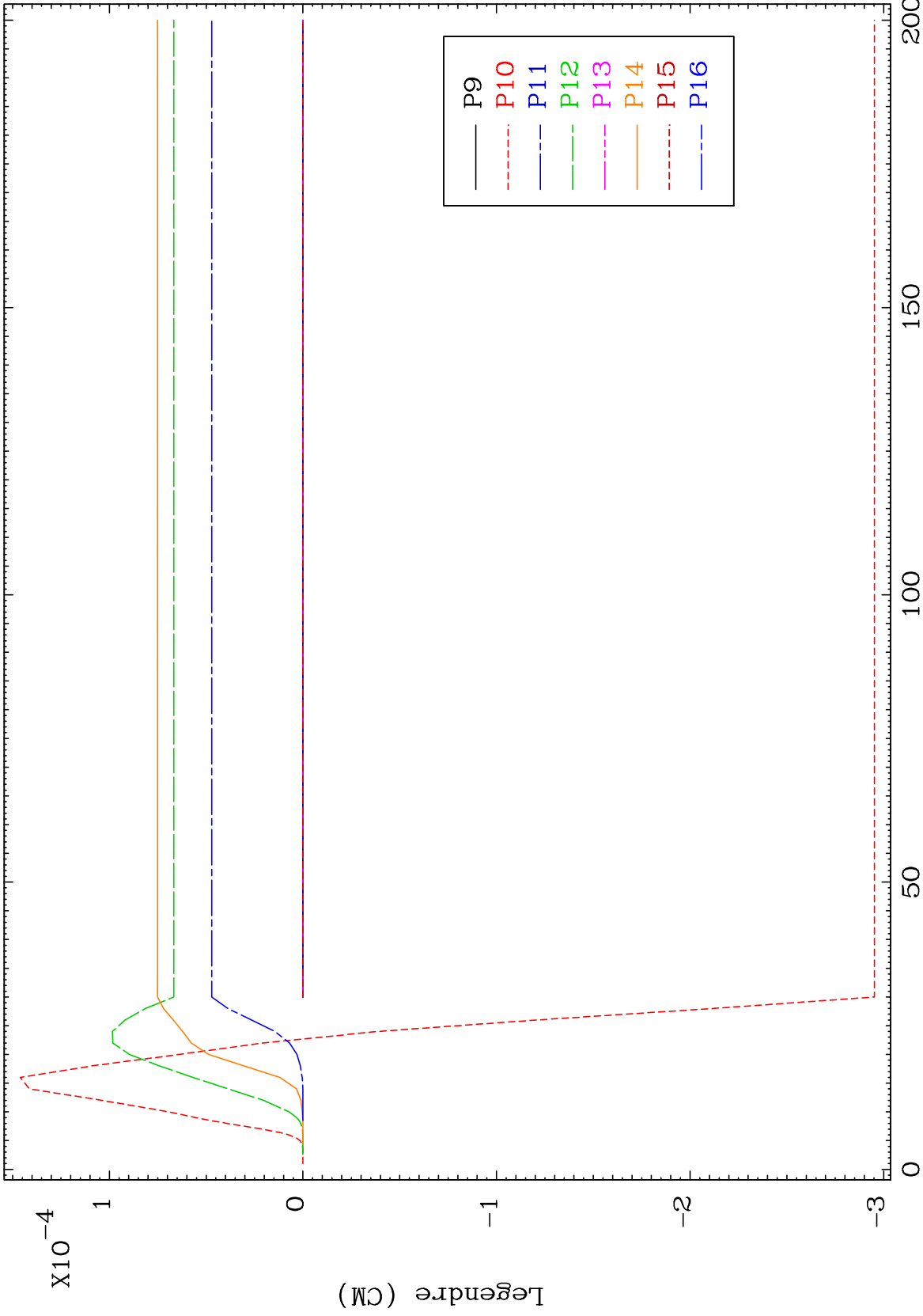
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138

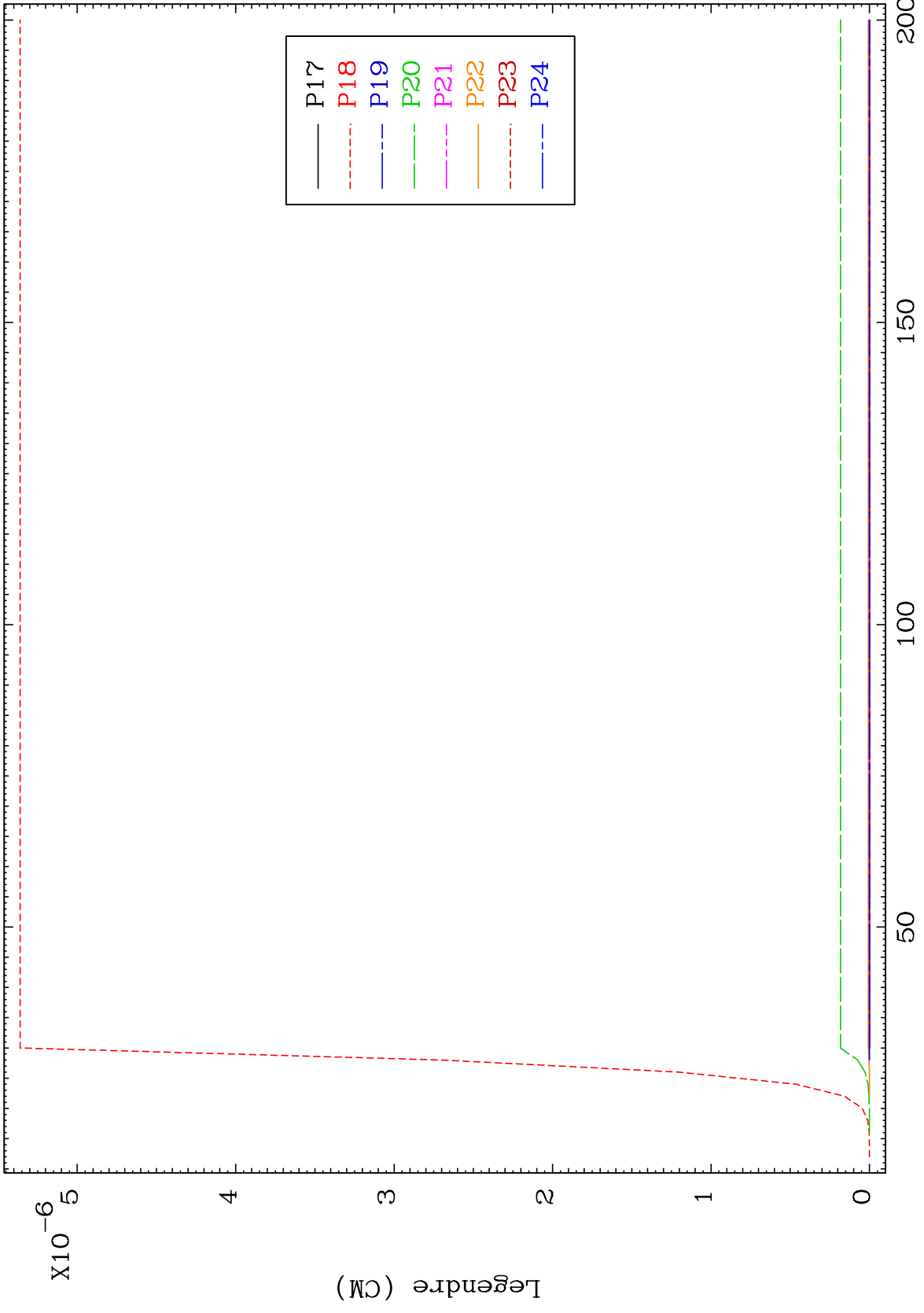


28

Incident Energy (MeV)

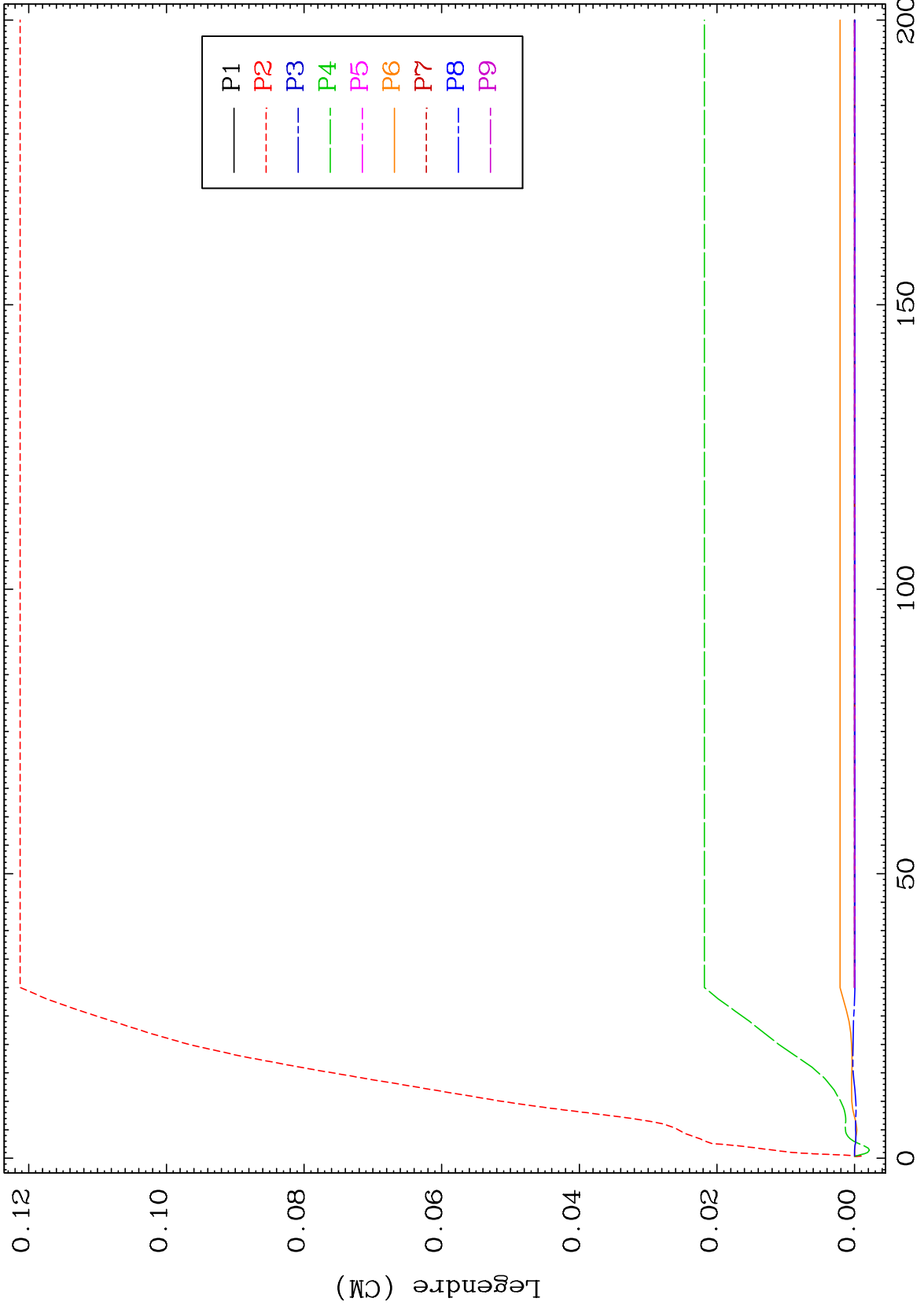
55-Cs-138

MAT 5540 MT= 53 (n,n') Level Legendre Coefficients 55-Cs-138



29 Incident Energy (MeV) 55-Cs-138

MAT 5540 MT= 54 (n,n') Level Legendre Coefficients 55-Cs-138

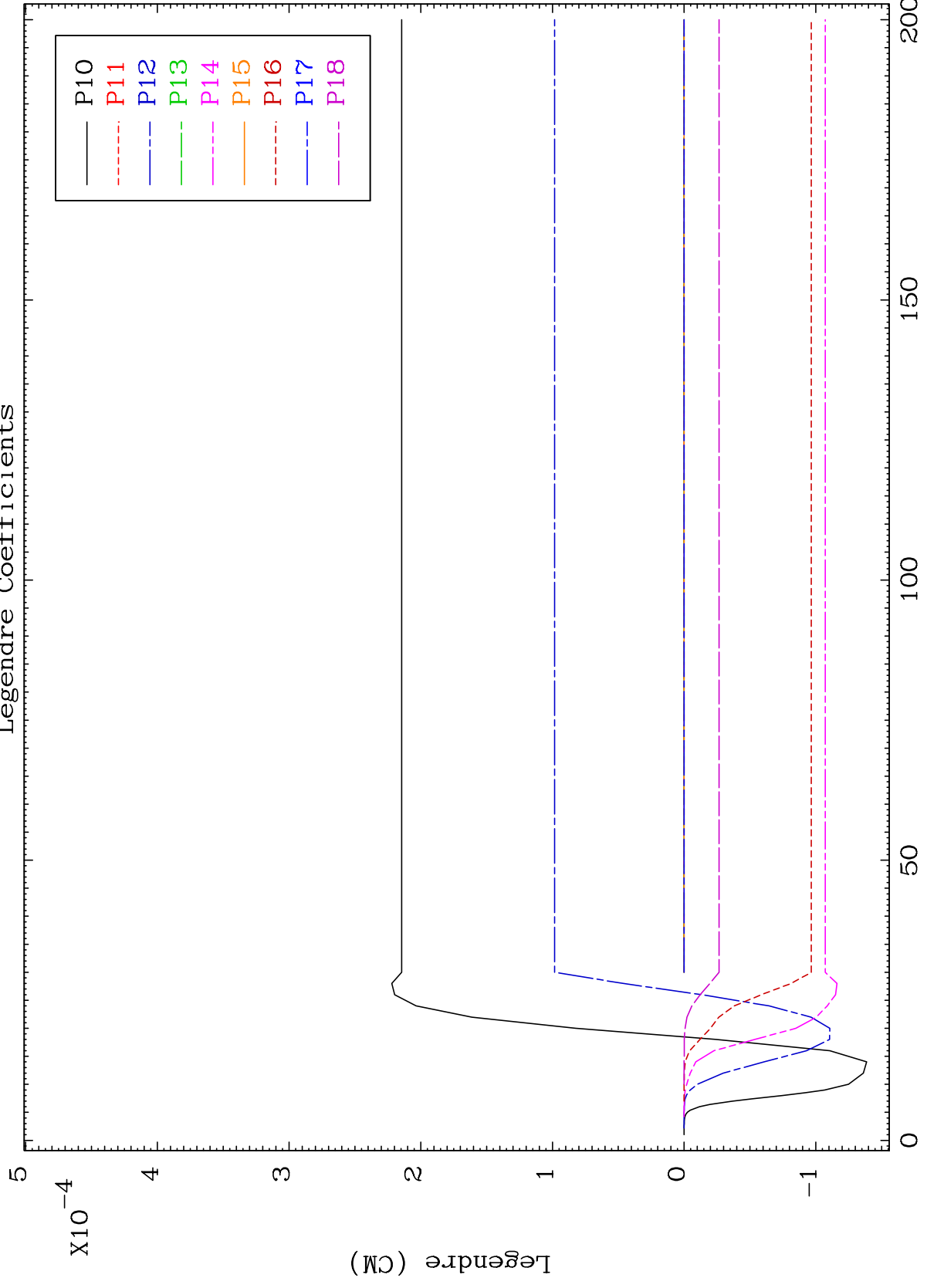


Incident Energy (MeV) 55-Cs-138

MAT 5540

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

55-Cs-138



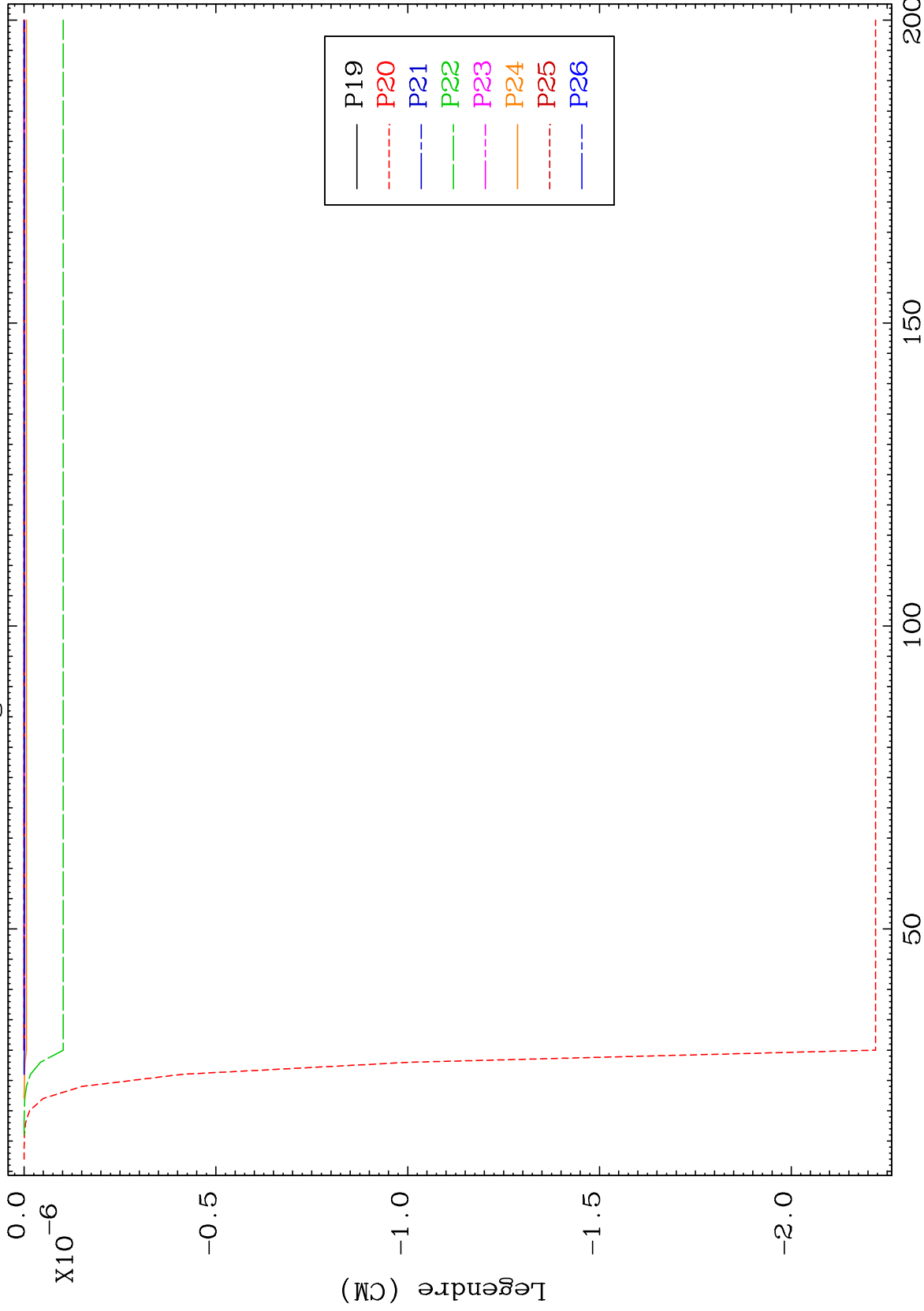
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Incident Energy (MeV)

55-Cs-138

MAT 5540 MT= 54 (n,n') Level 55-Cs-138

Legendre Coefficients

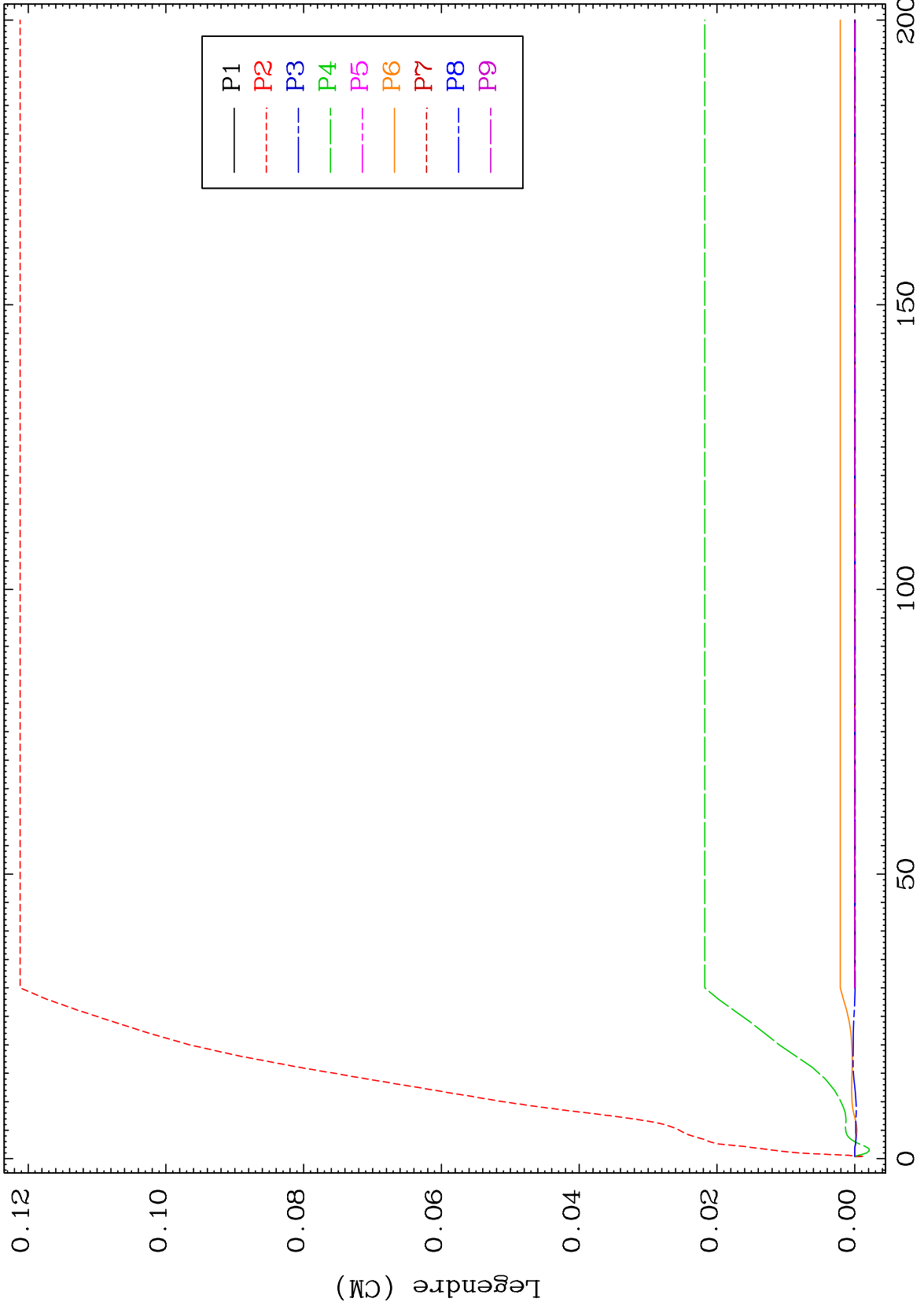


55-Cs-138

Incident Energy (MeV)

32

MAT 5540 MT= 55 (n,n') Level Legendre Coefficients 55-Cs-138

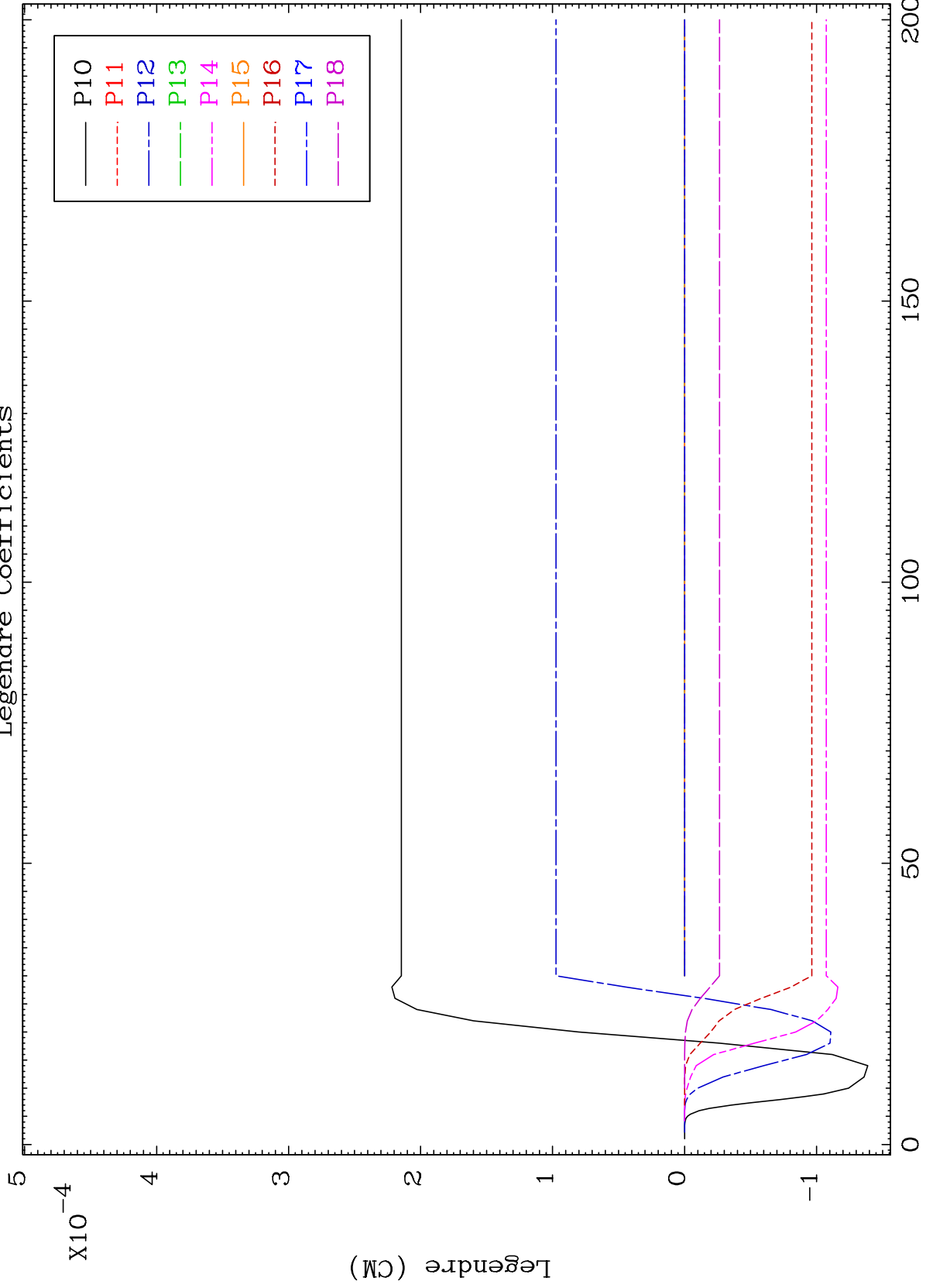


33 55-Cs-138

MAT 5540

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

55-Cs-138

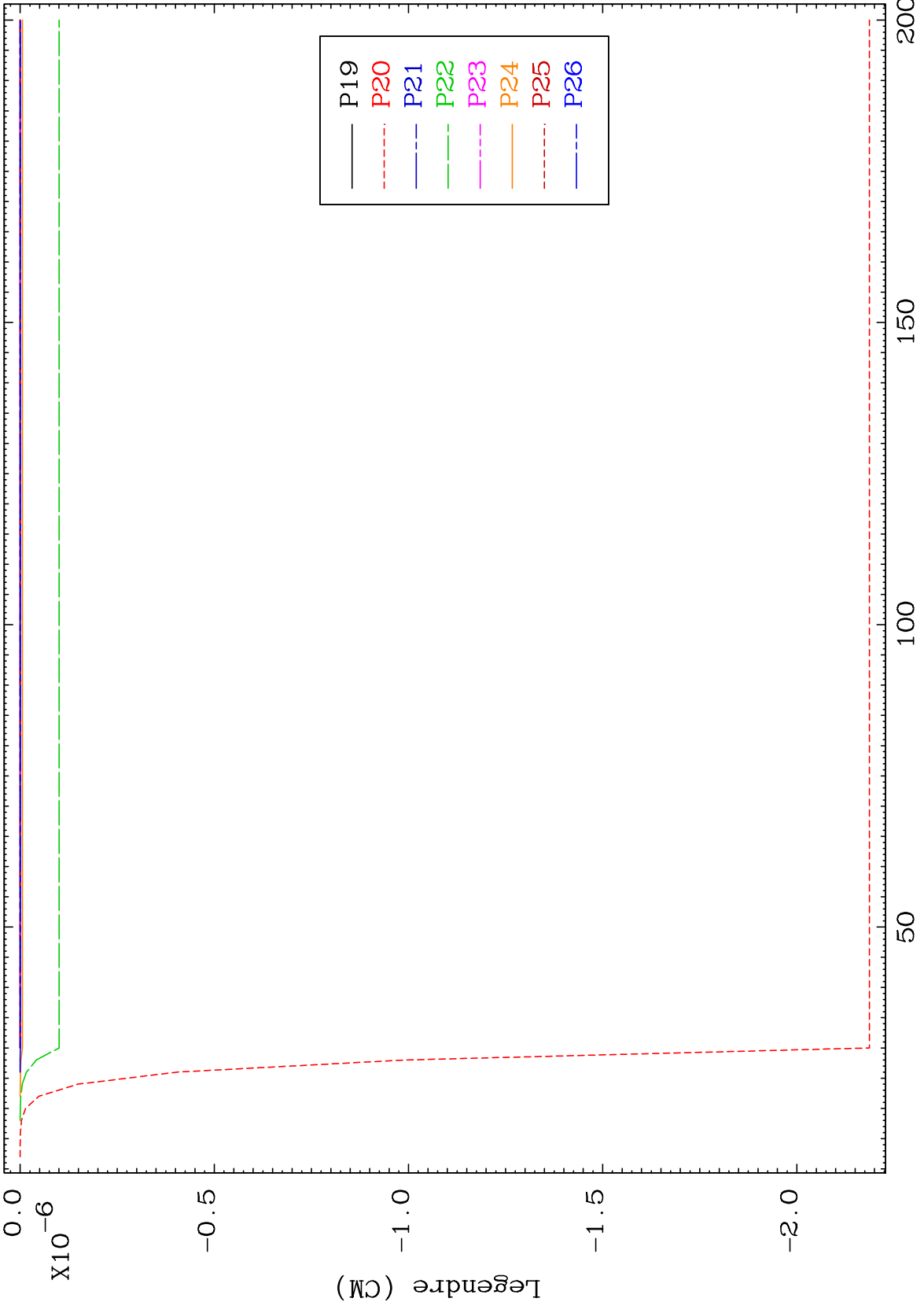


34

Incident Energy (MeV)

55-Cs-138

MAT 5540 MT= 55 (n,n') Level Legendre Coefficients 55-Cs-138

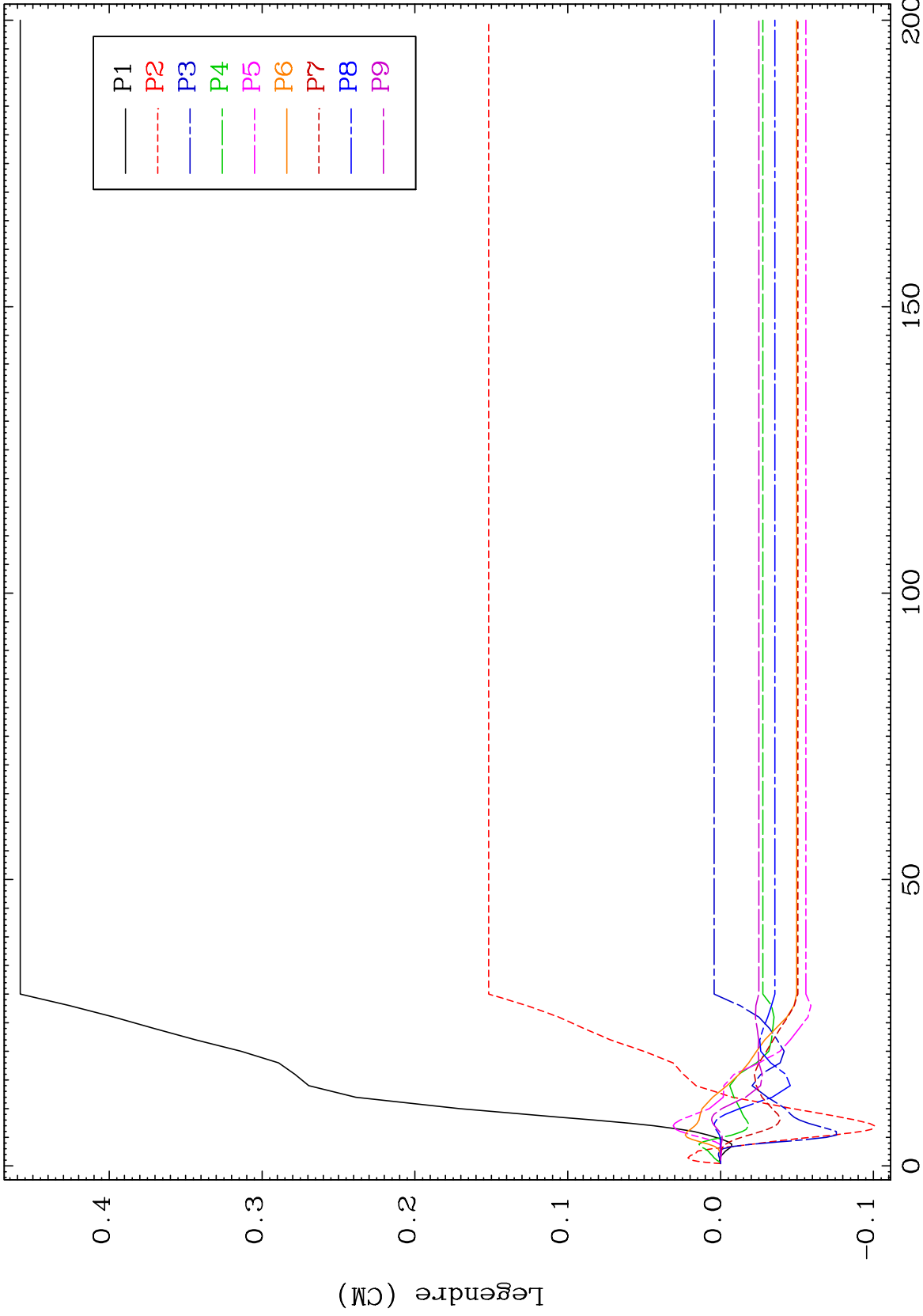


35 Incident Energy (MeV) 55-Cs-138

MAT 5540

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

55-Cs-138



36

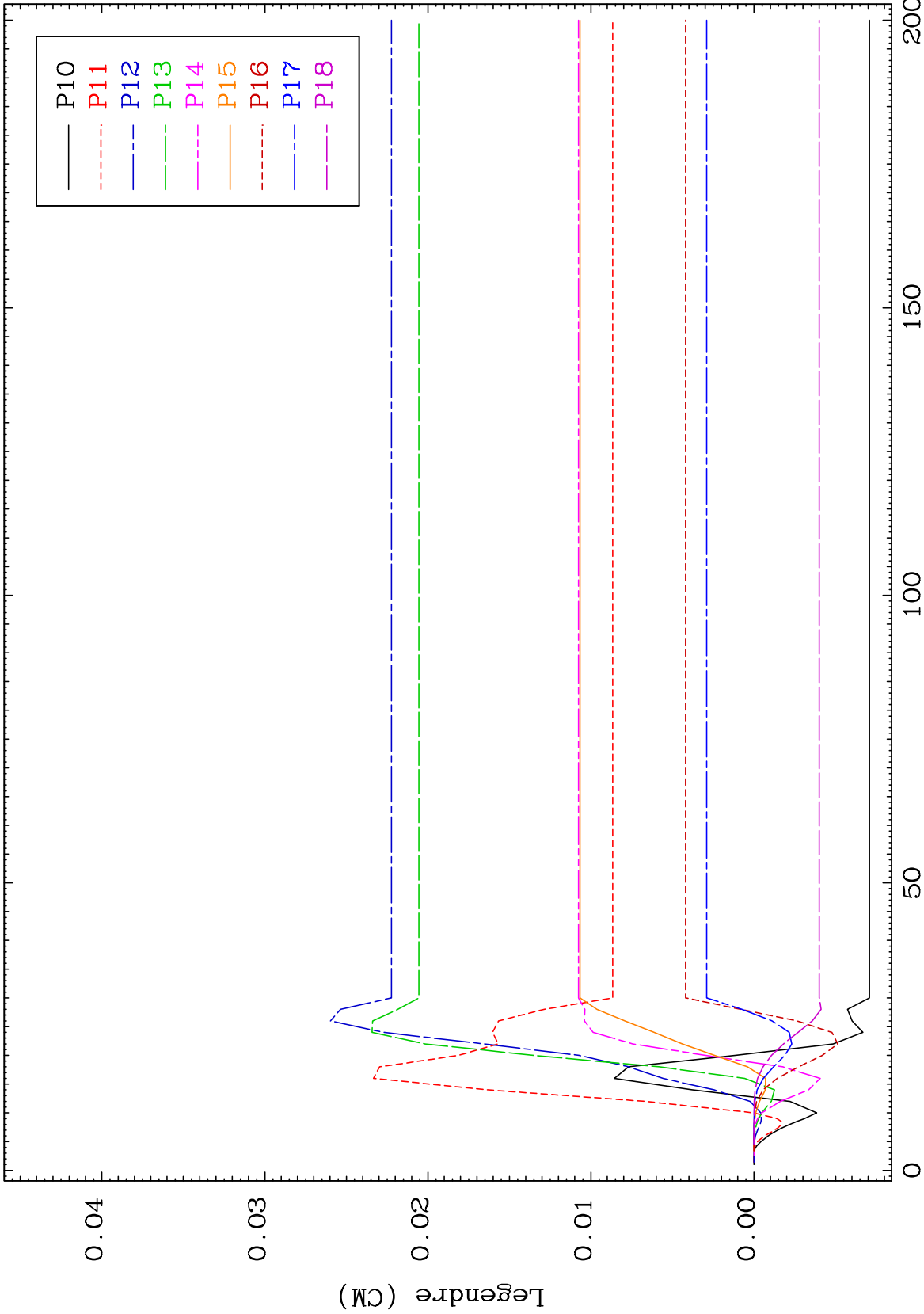
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



37

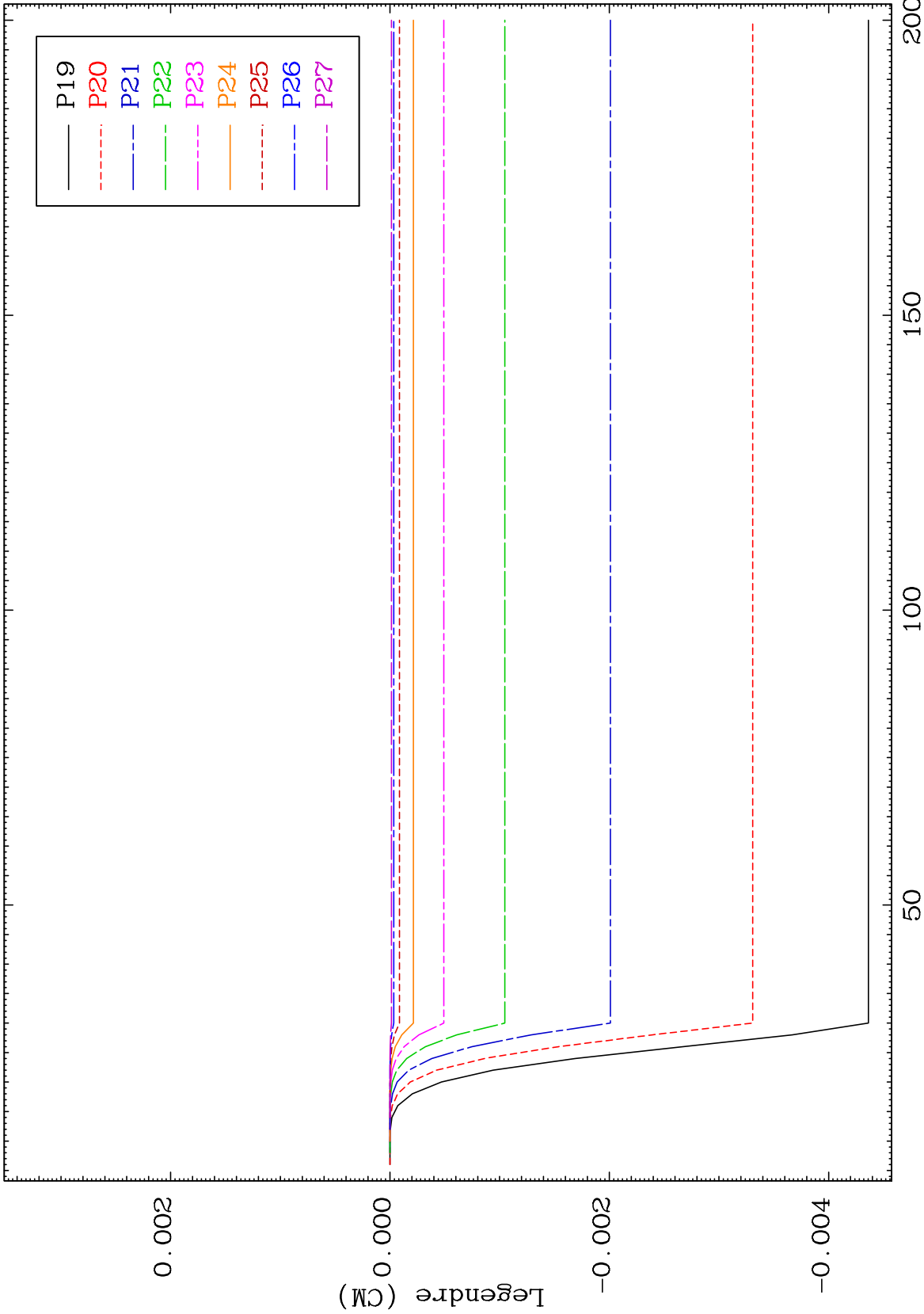
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138

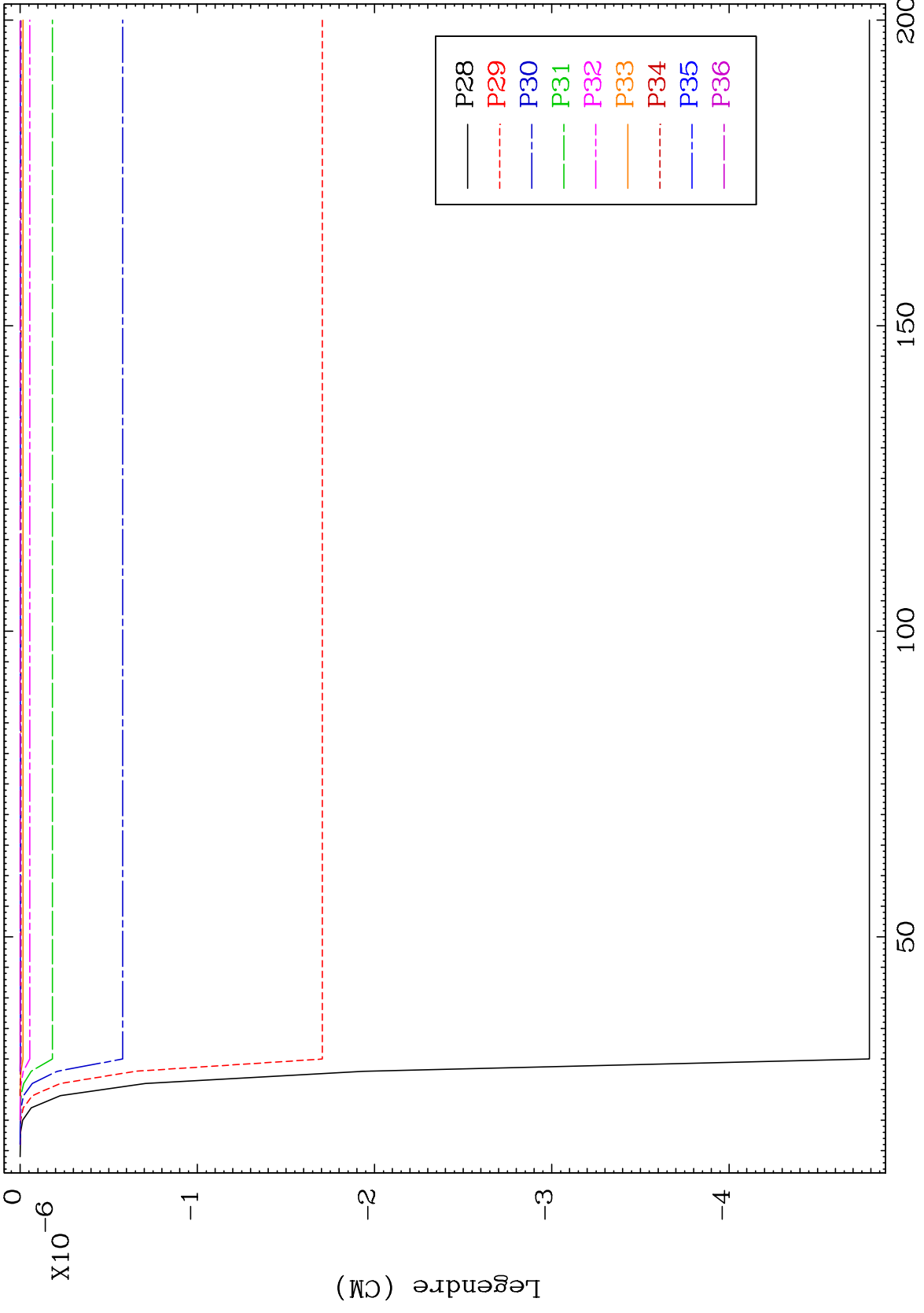


38

Incident Energy (MeV)

55-Cs-138

MAT 5540 MT= 56 (n,n') Level Legendre Coefficients 55-Cs-138

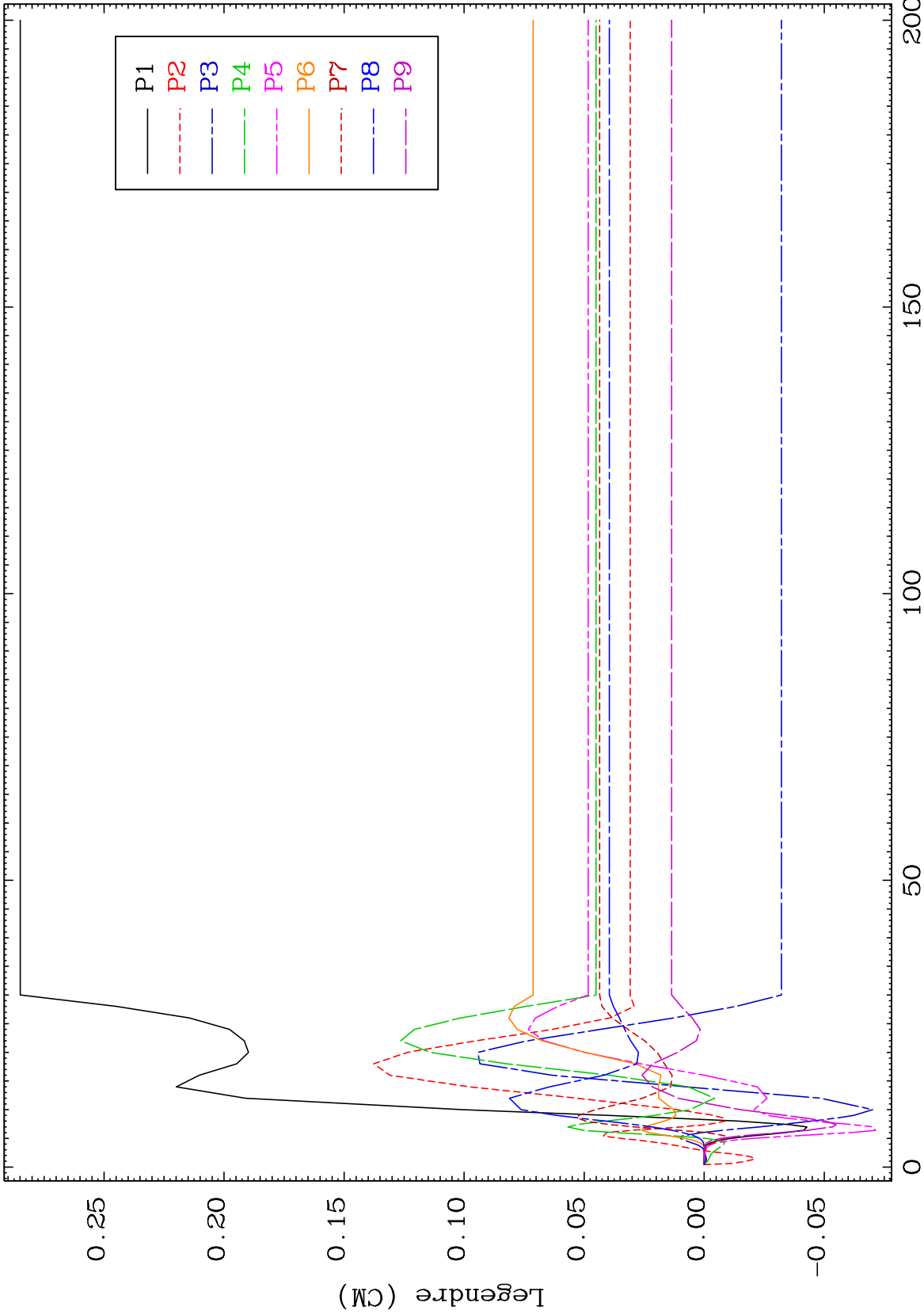


39 55-Cs-138

MAT 5540

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

55-Cs-138



55-Cs-138

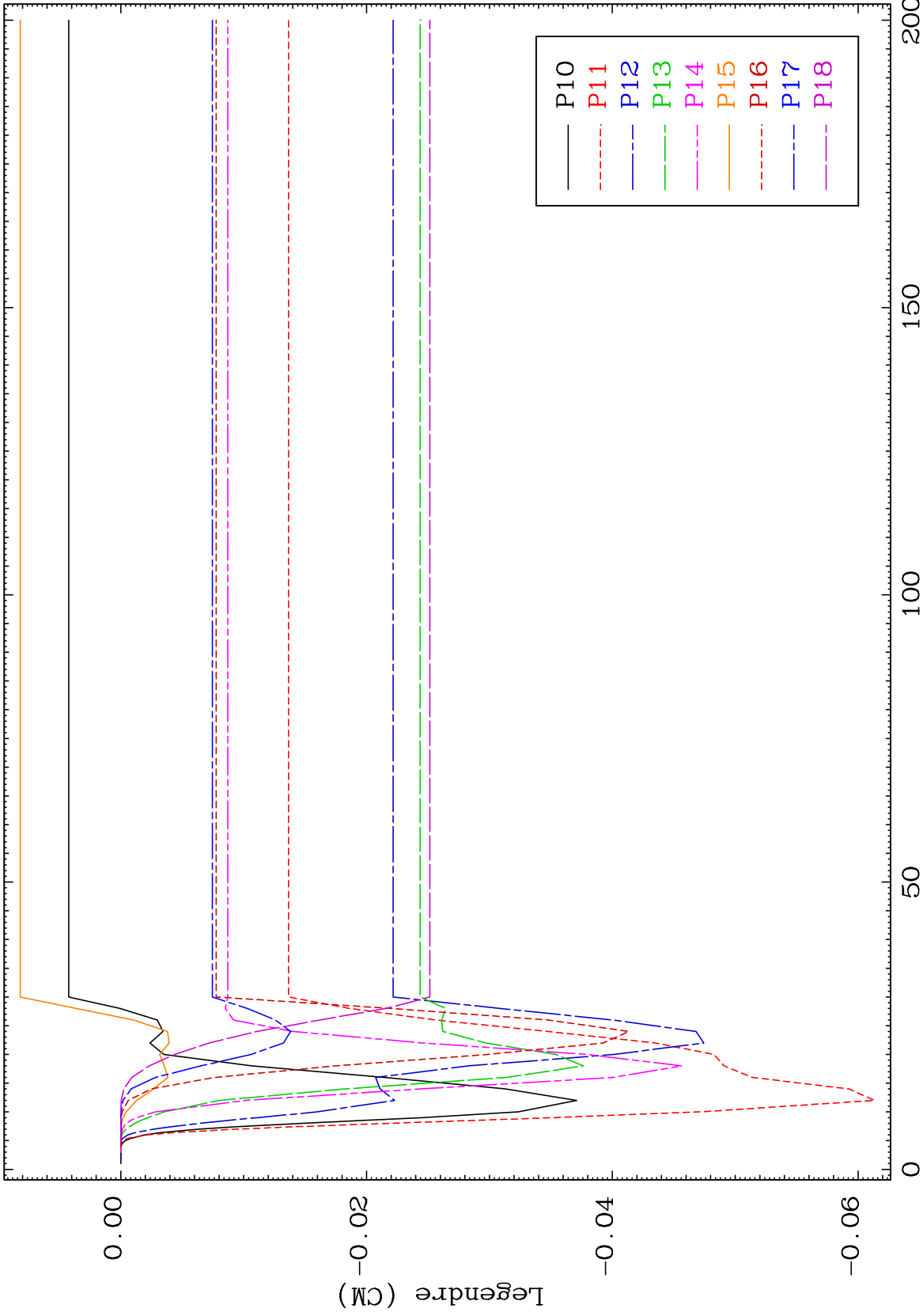
Incident Energy (MeV)

40

MAT 5540

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

55-Cs-138

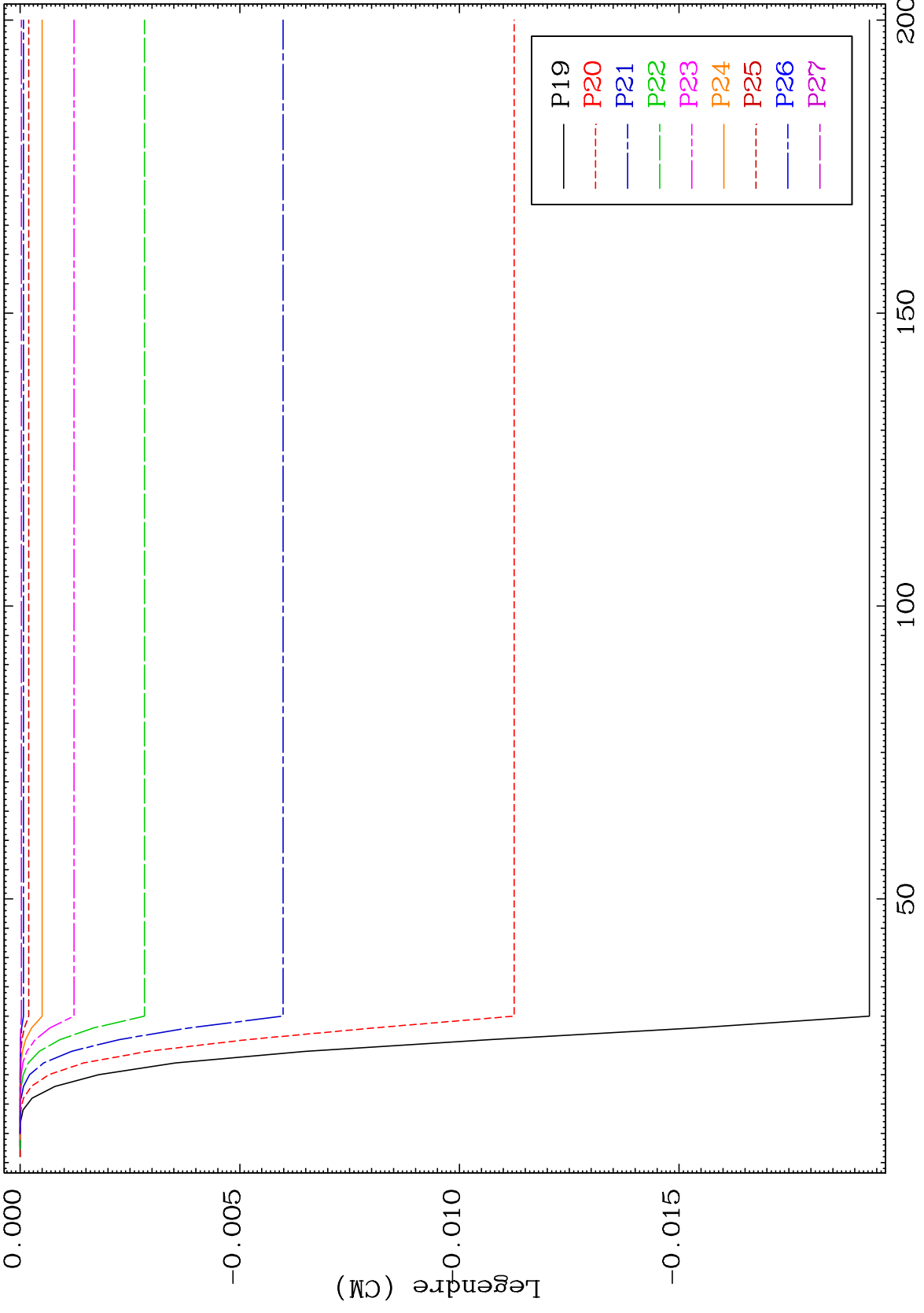


41

Incident Energy (MeV)

55-Cs-138

MAT 5540 MT= 57 (n,n') Level Legendre Coefficients 55-Cs-138

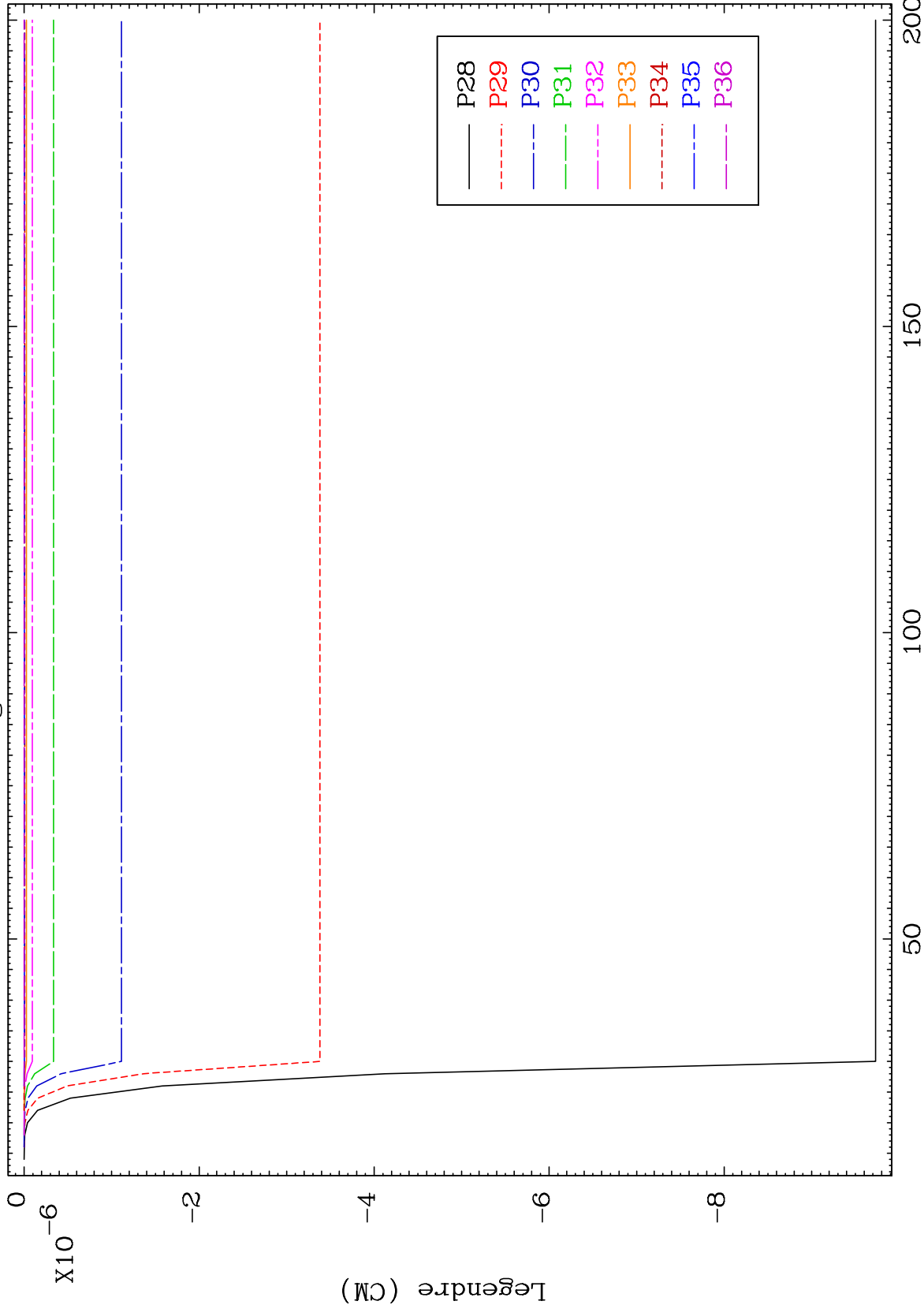


42 55-Cs-138

MAT 5540

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

55-Cs-138

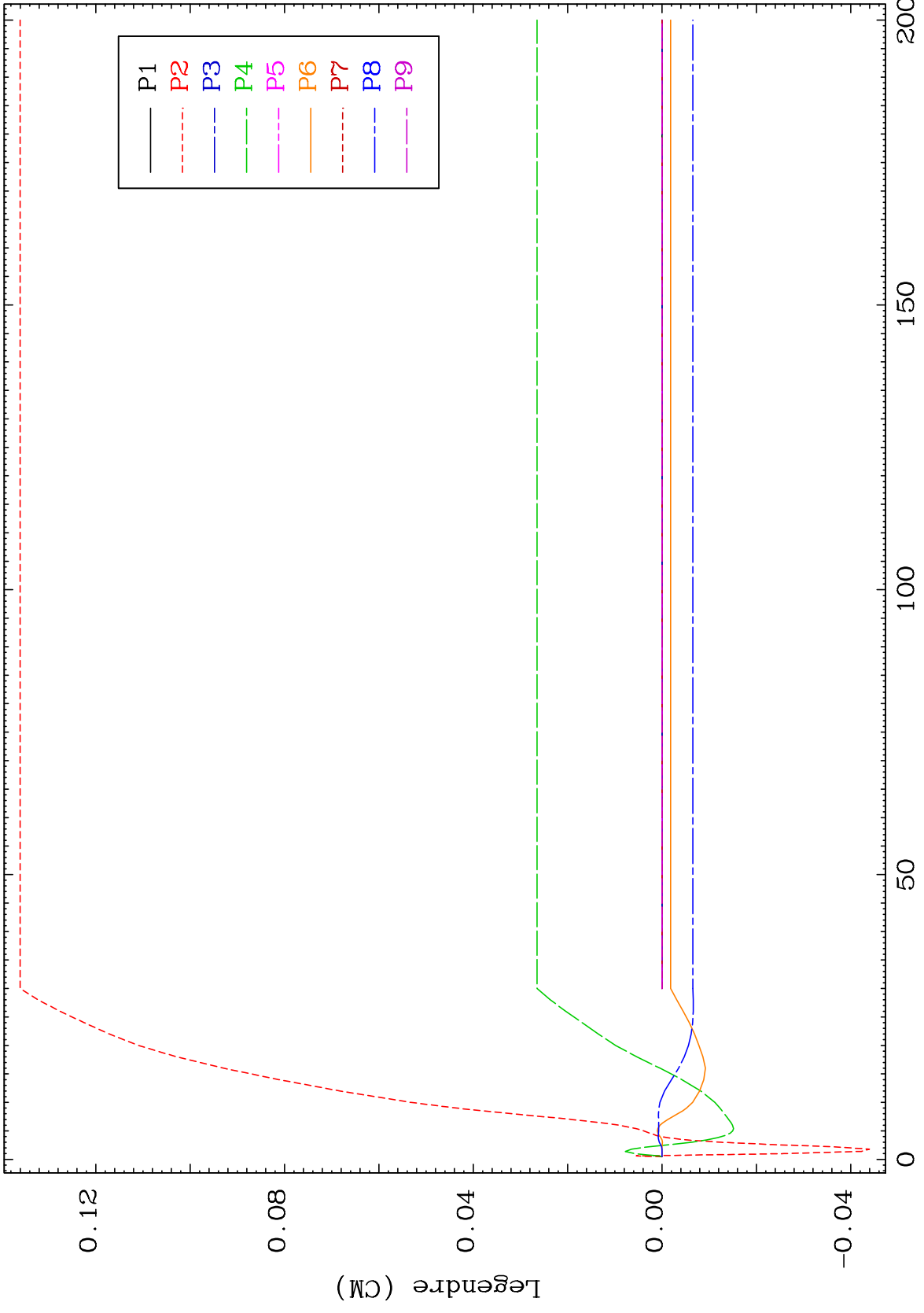


55-Cs-138

Incident Energy (MeV)

43

MAT 5540 MT= 58 (n,n') Level Legendre Coefficients 55-Cs-138

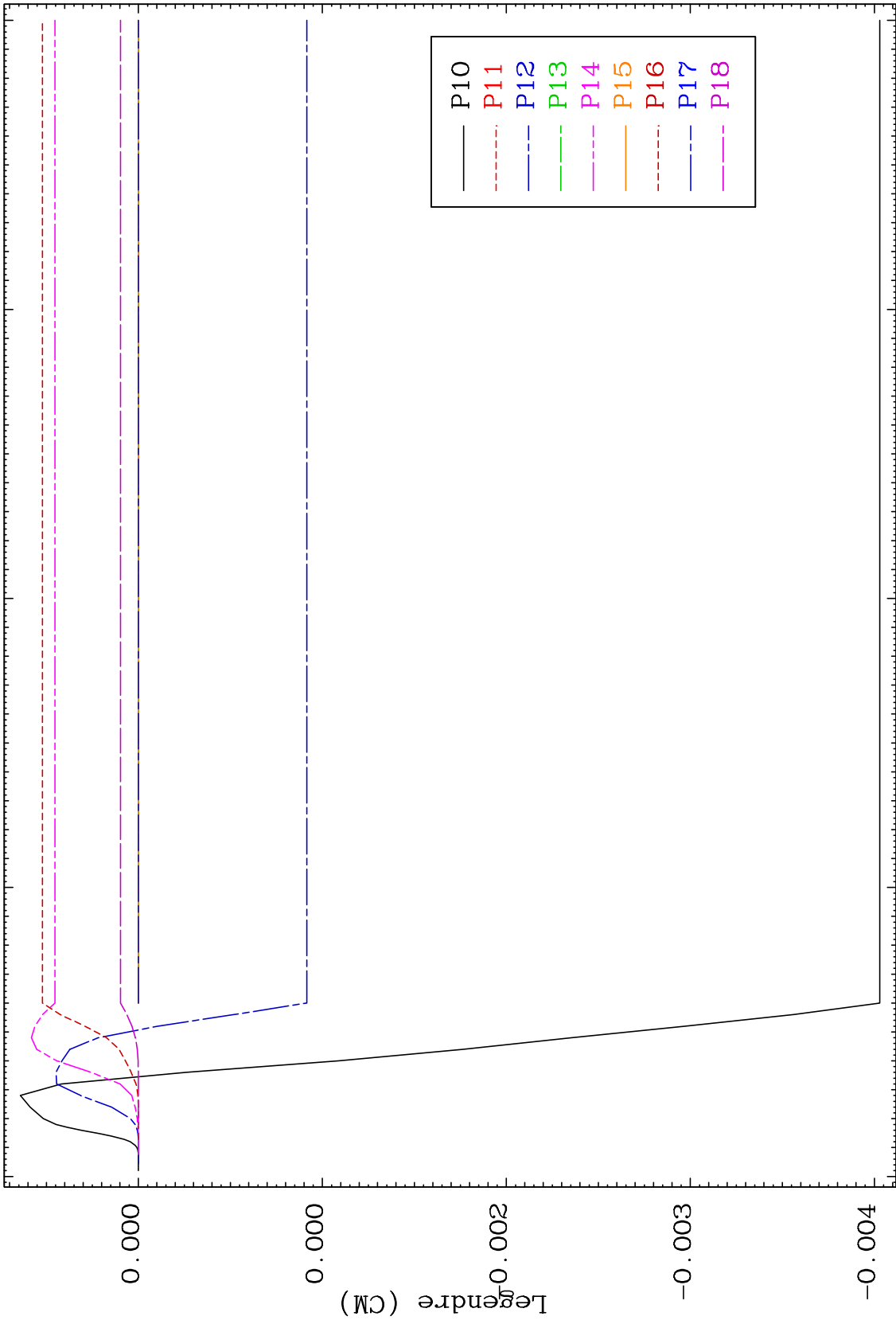


44 55-Cs-138

MAT 5540

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

55-Cs-138



45

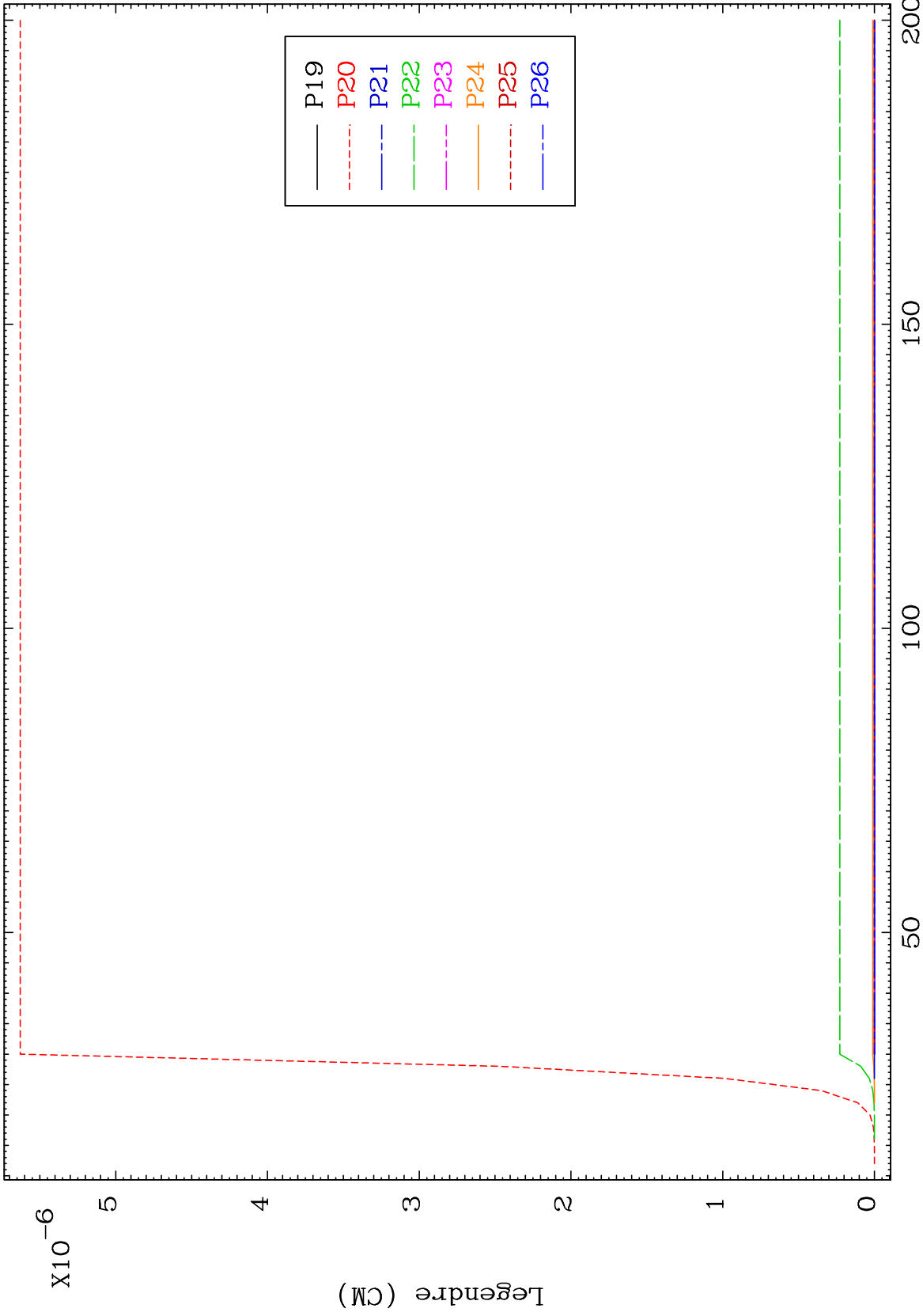
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138

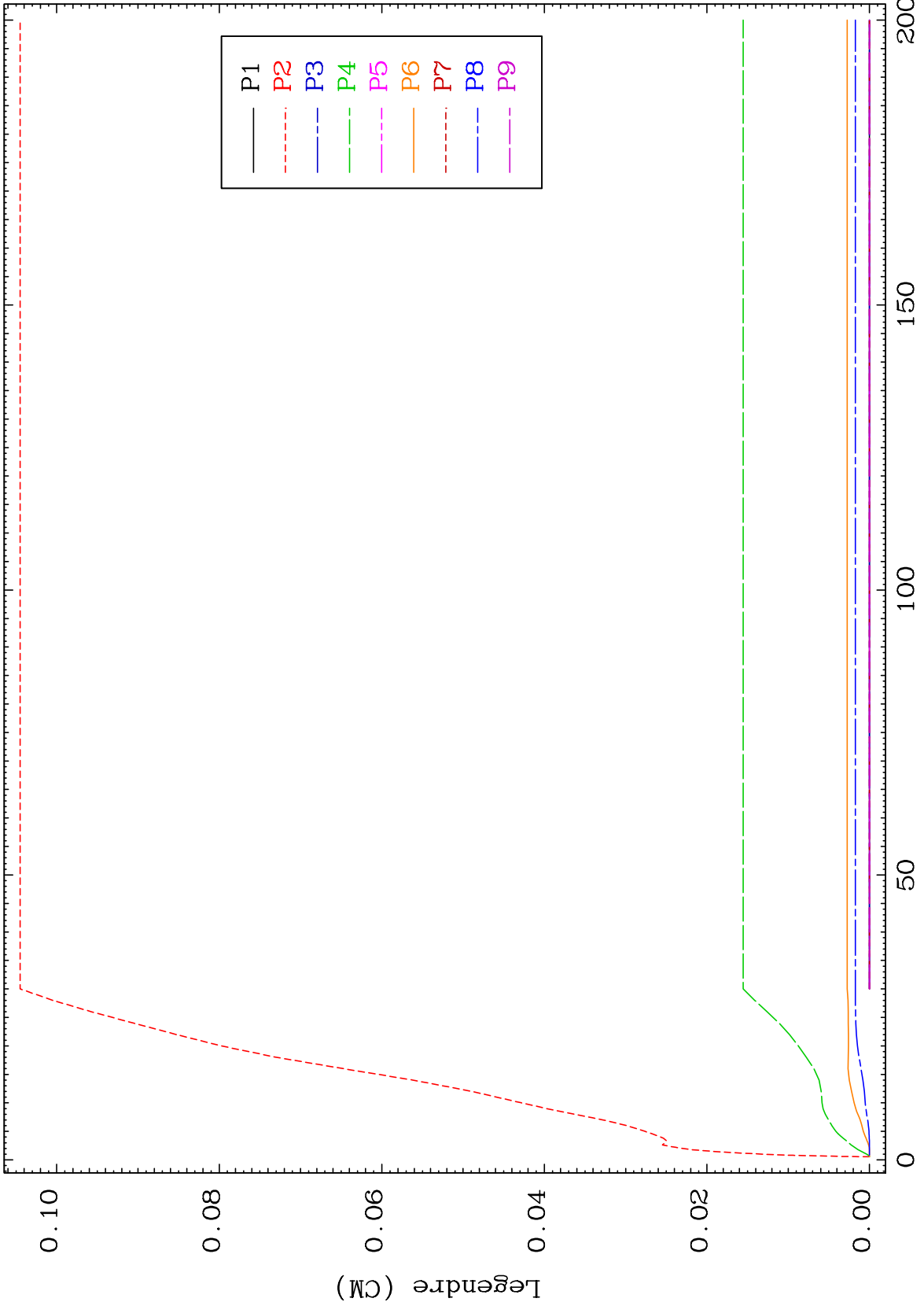


46

Incident Energy (MeV)

55-Cs-138

MAT 5540 MT= 59 (n,n') Level Legendre Coefficients 55-Cs-138

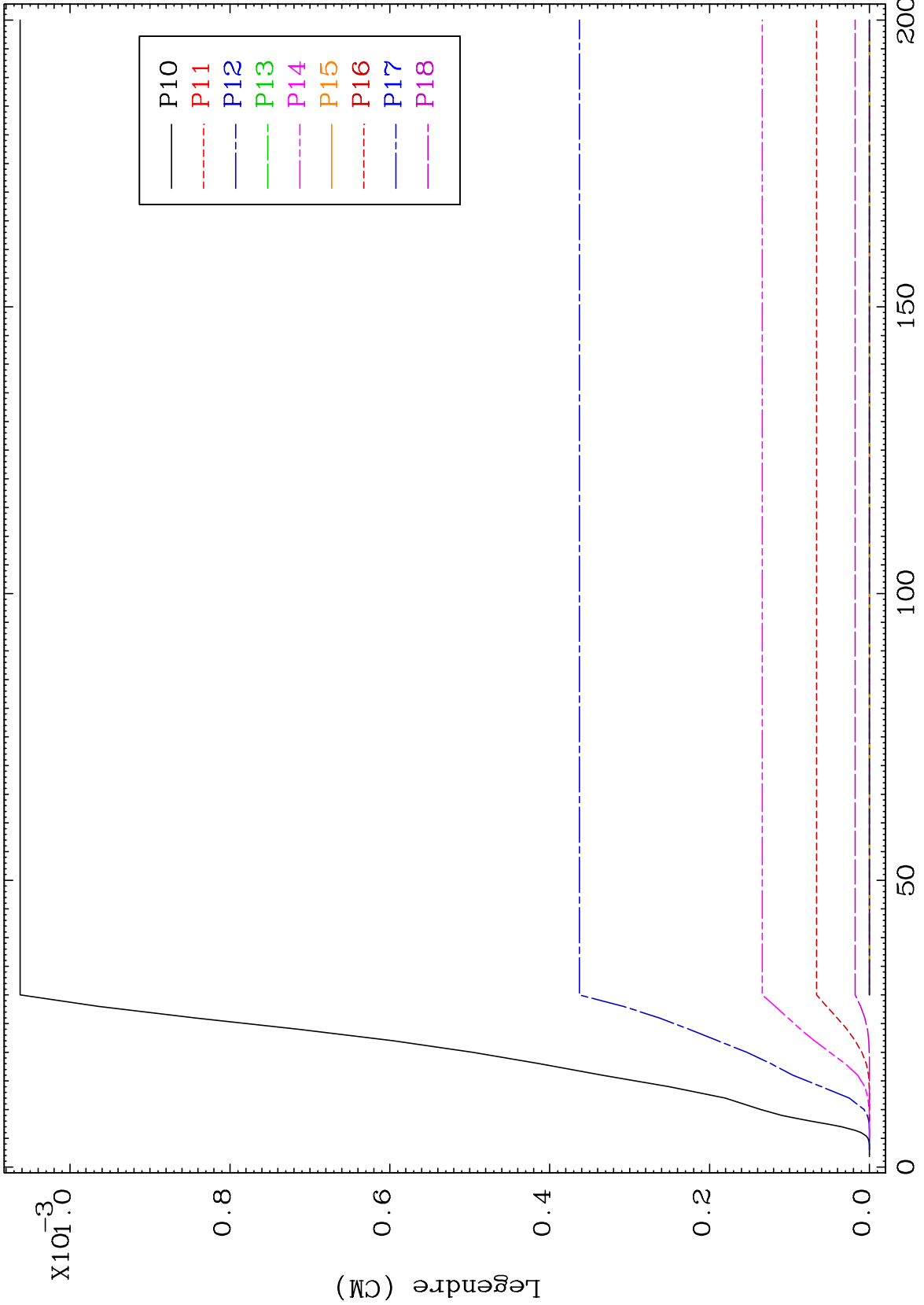


47 55-Cs-138

MAT 5540

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

55-Cs-138

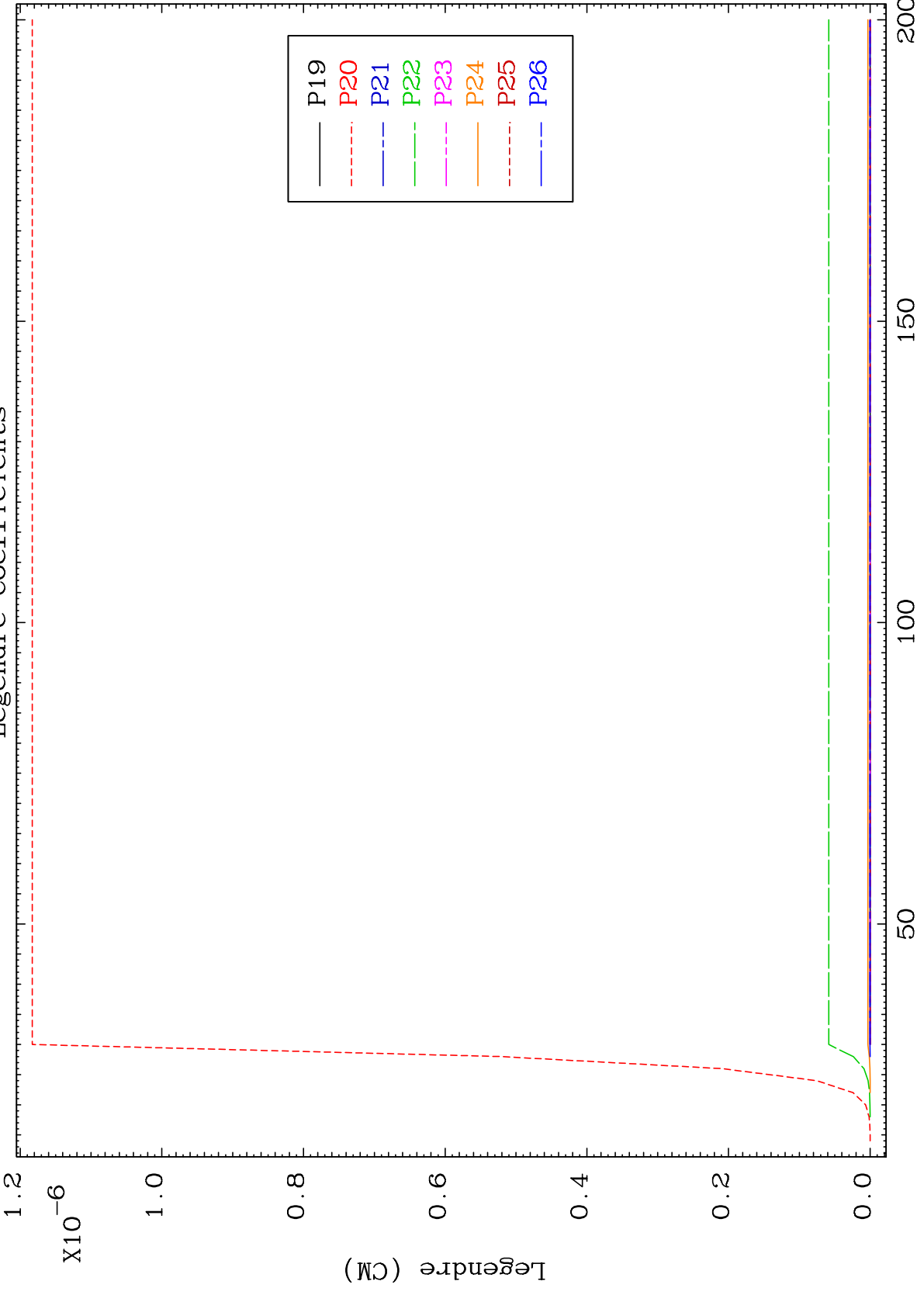


48

Incident Energy (MeV)

55-Cs-138

MAT 5540 MT= 59 (n,n') Level Legendre Coefficients 55-Cs-138

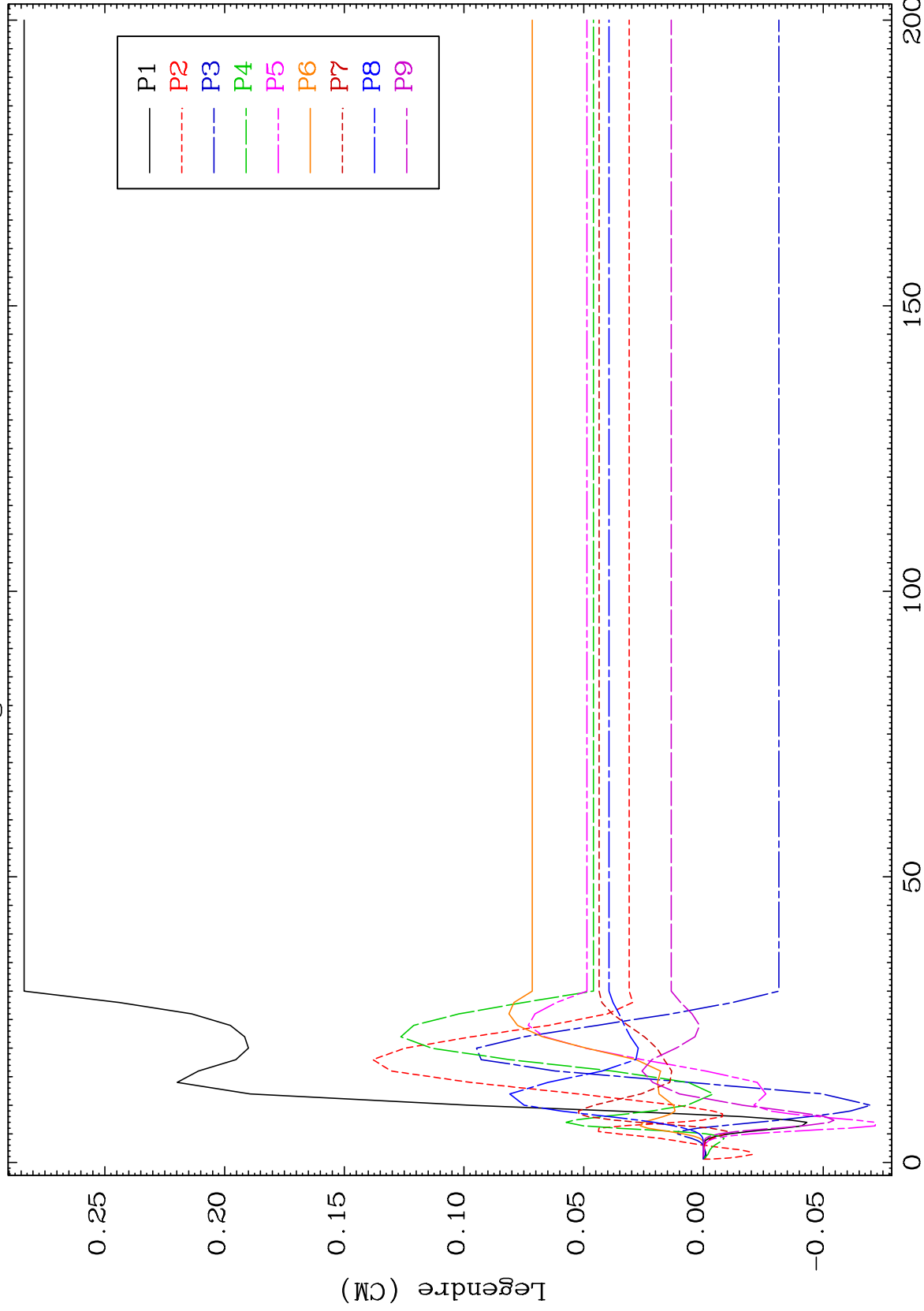


49 Incident Energy (MeV) 55-Cs-138

MAT 5540

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

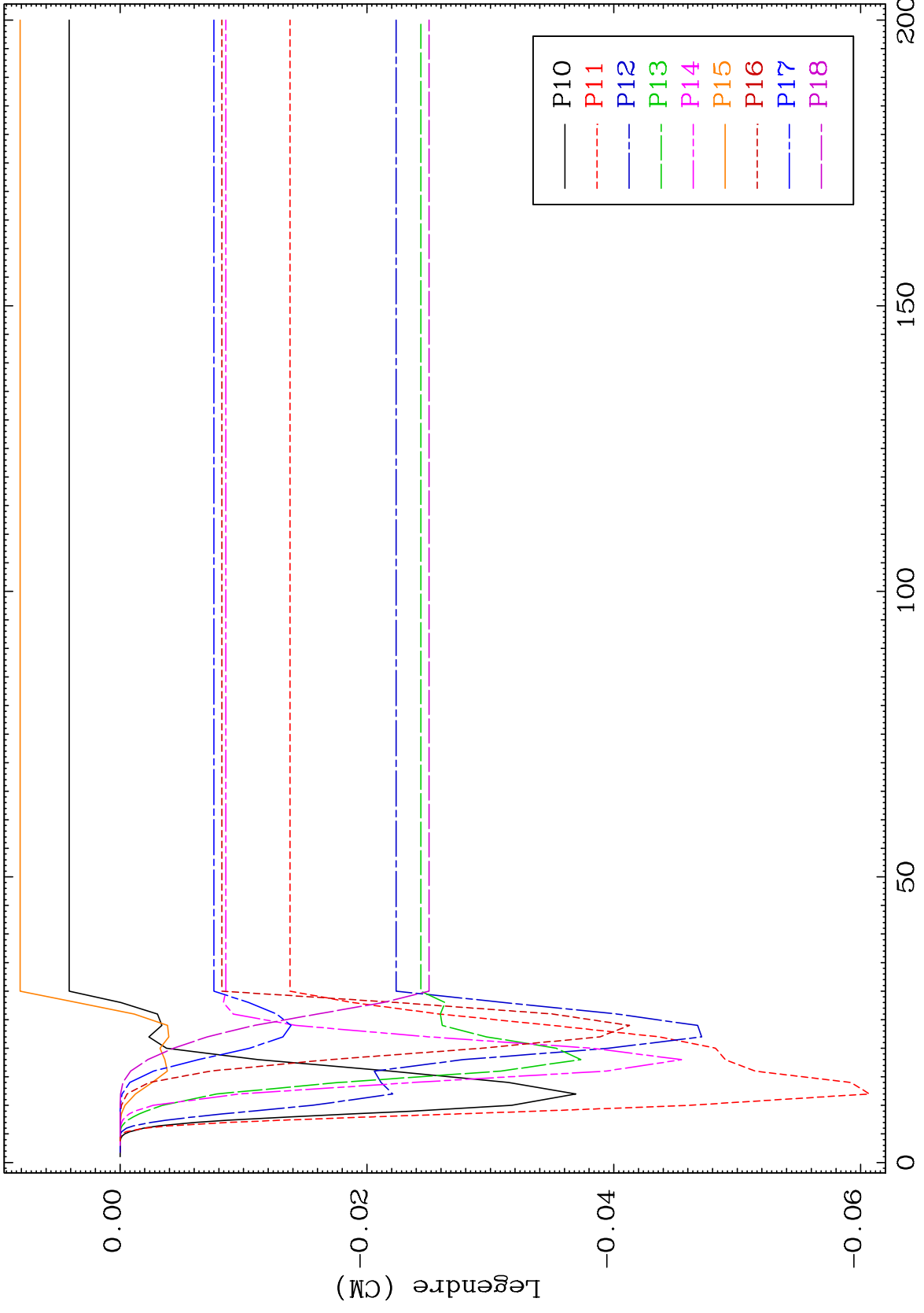
55-Cs-138



55-Cs-138

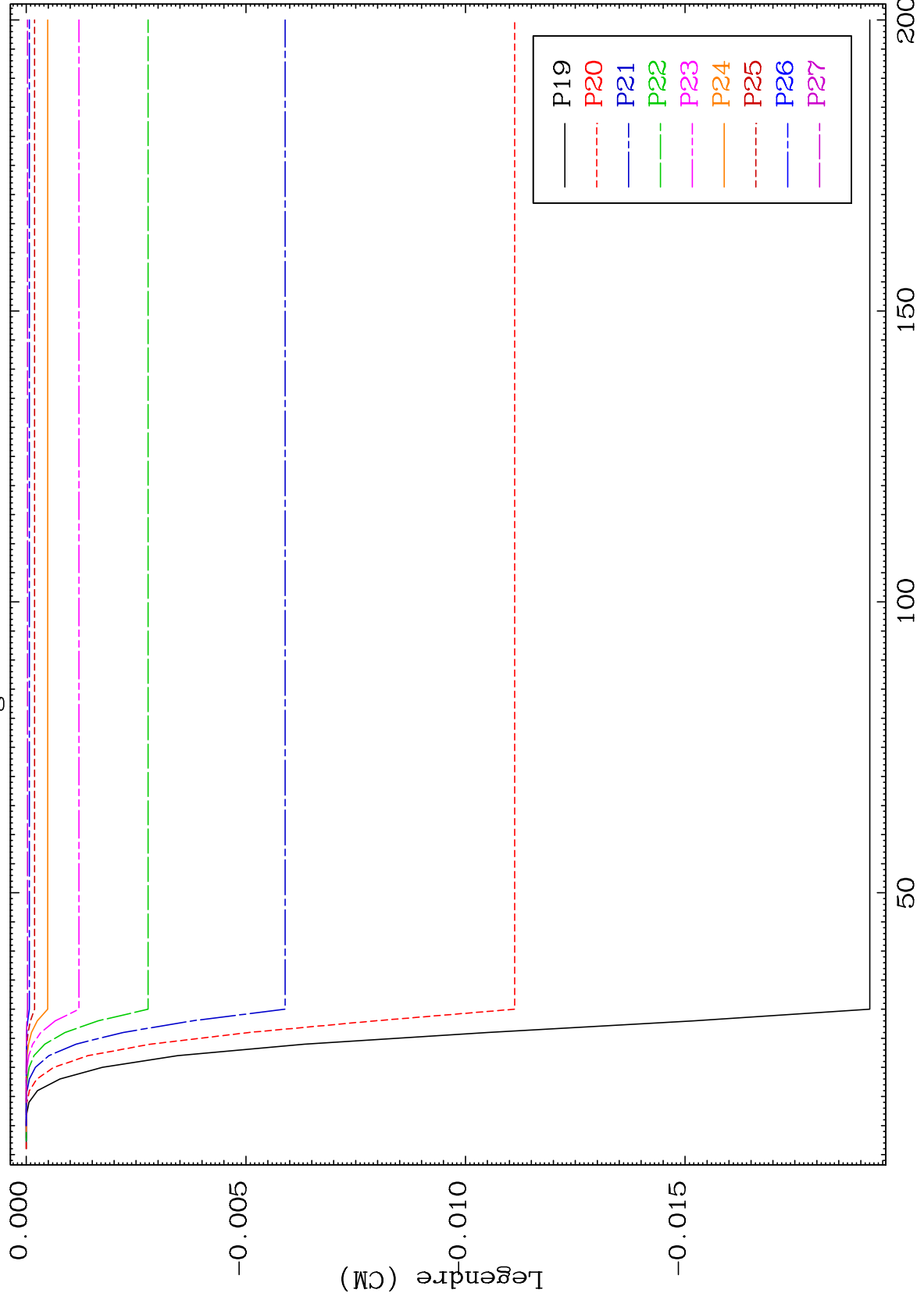
Incident Energy (MeV)

MAT 5540 MT= 60 (n,n') Level Legendre Coefficients 55-Cs-138



51 55-Cs-138

MAT 5540 MT= 60 (n,n') Level Legendre Coefficients 55-Cs-138

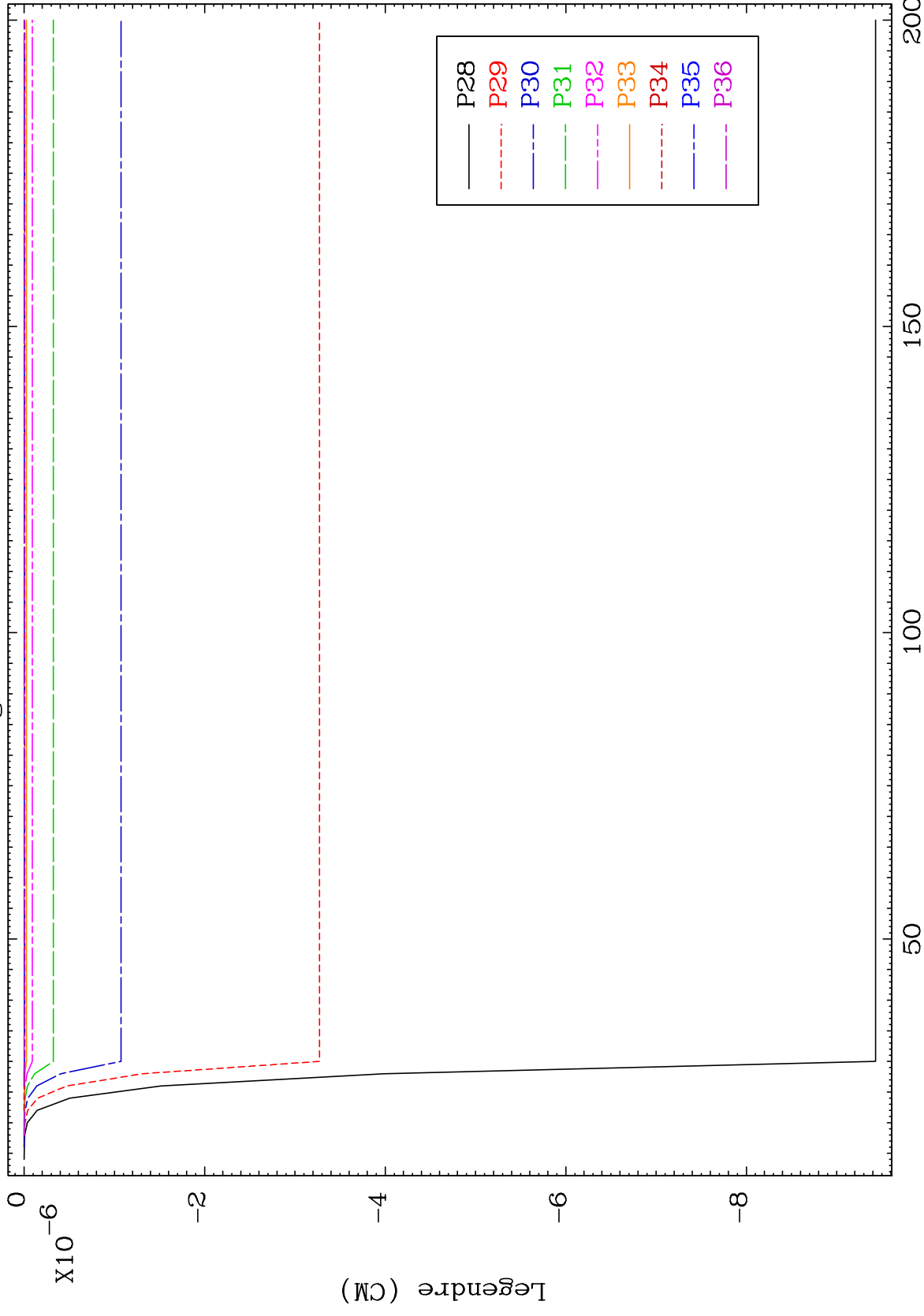


52 55-Cs-138

MAT 5540

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

55-Cs-138



55-Cs-138

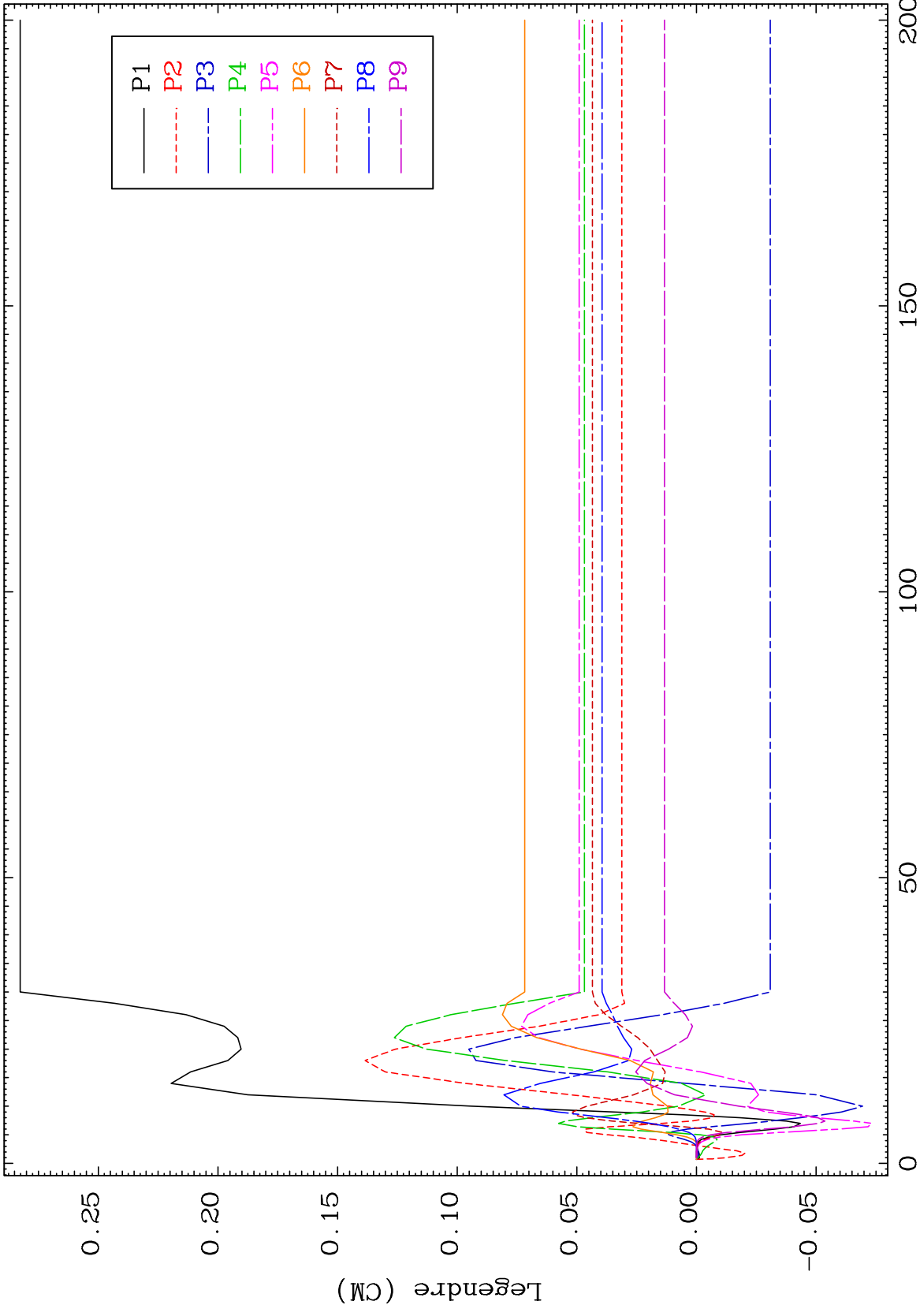
Incident Energy (MeV)

53

MAT 5540

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

55-Cs-138

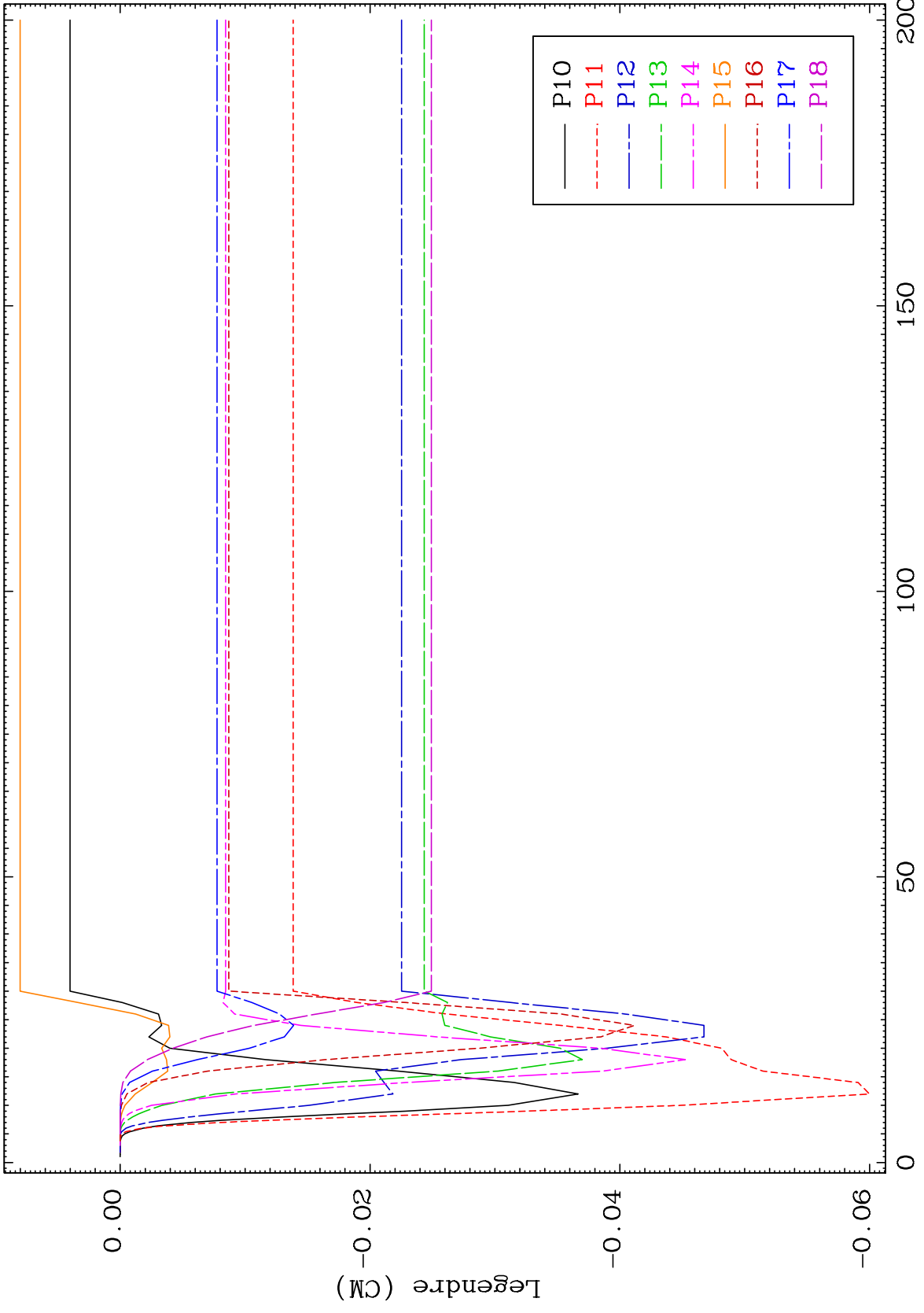


54

Incident Energy (MeV)

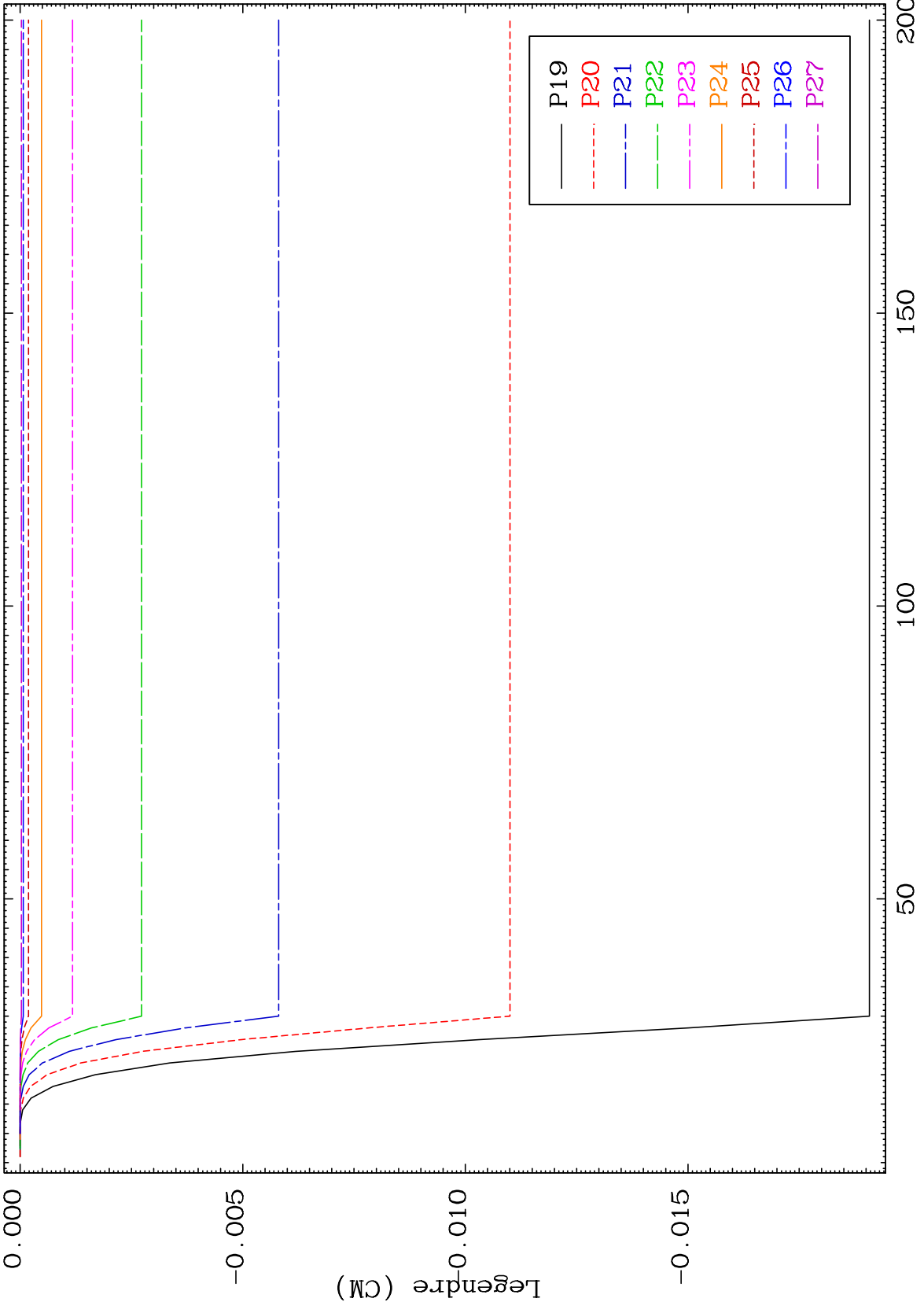
55-Cs-138

MAT 5540 MT= 61 (n,n') Level Legendre Coefficients 55-Cs-138



55-Cs-138

MAT 5540 MT= 61 (n,n') Level Legendre Coefficients 55-Cs-138

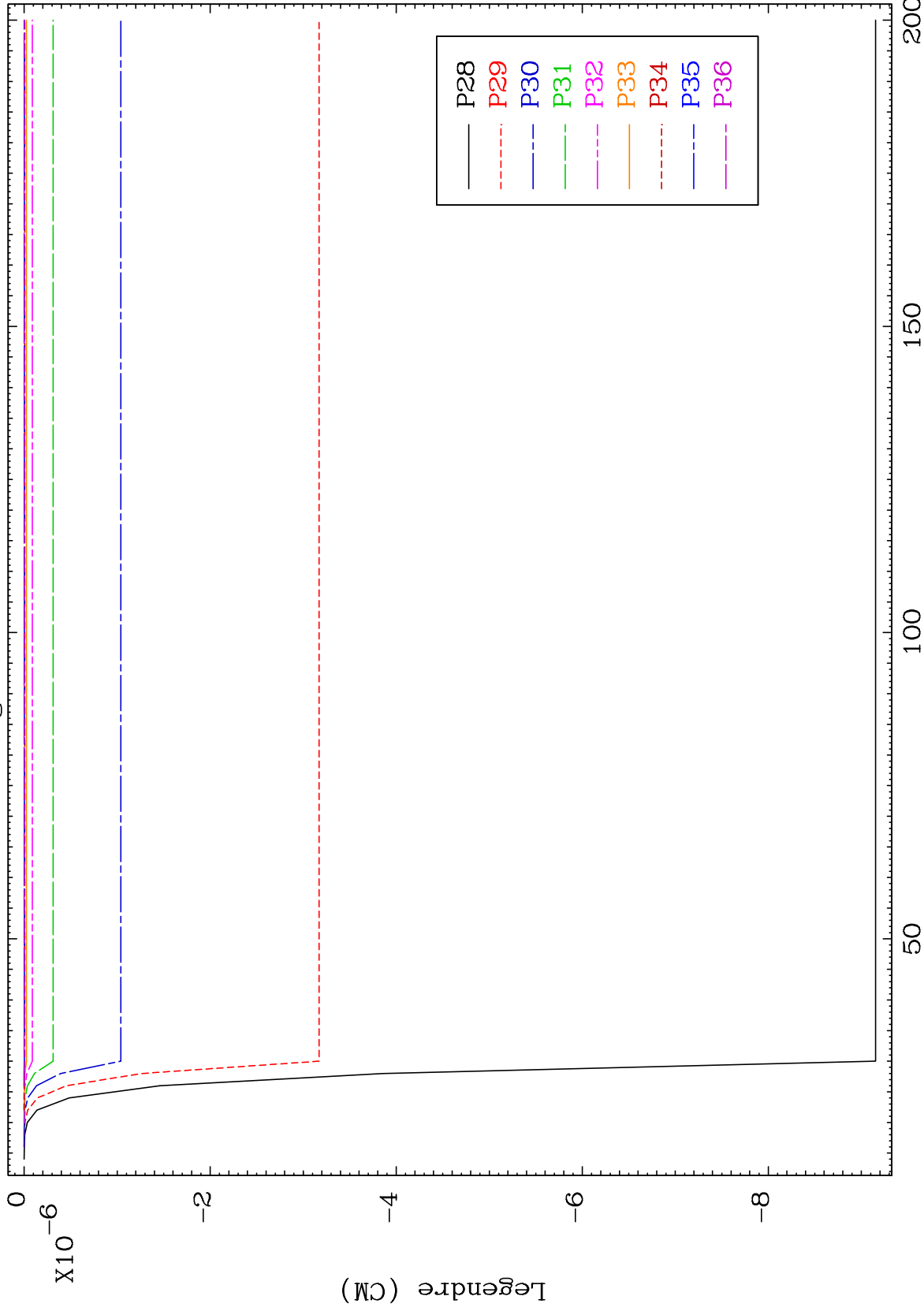


56 55-Cs-138

MAT 5540

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

55-Cs-138

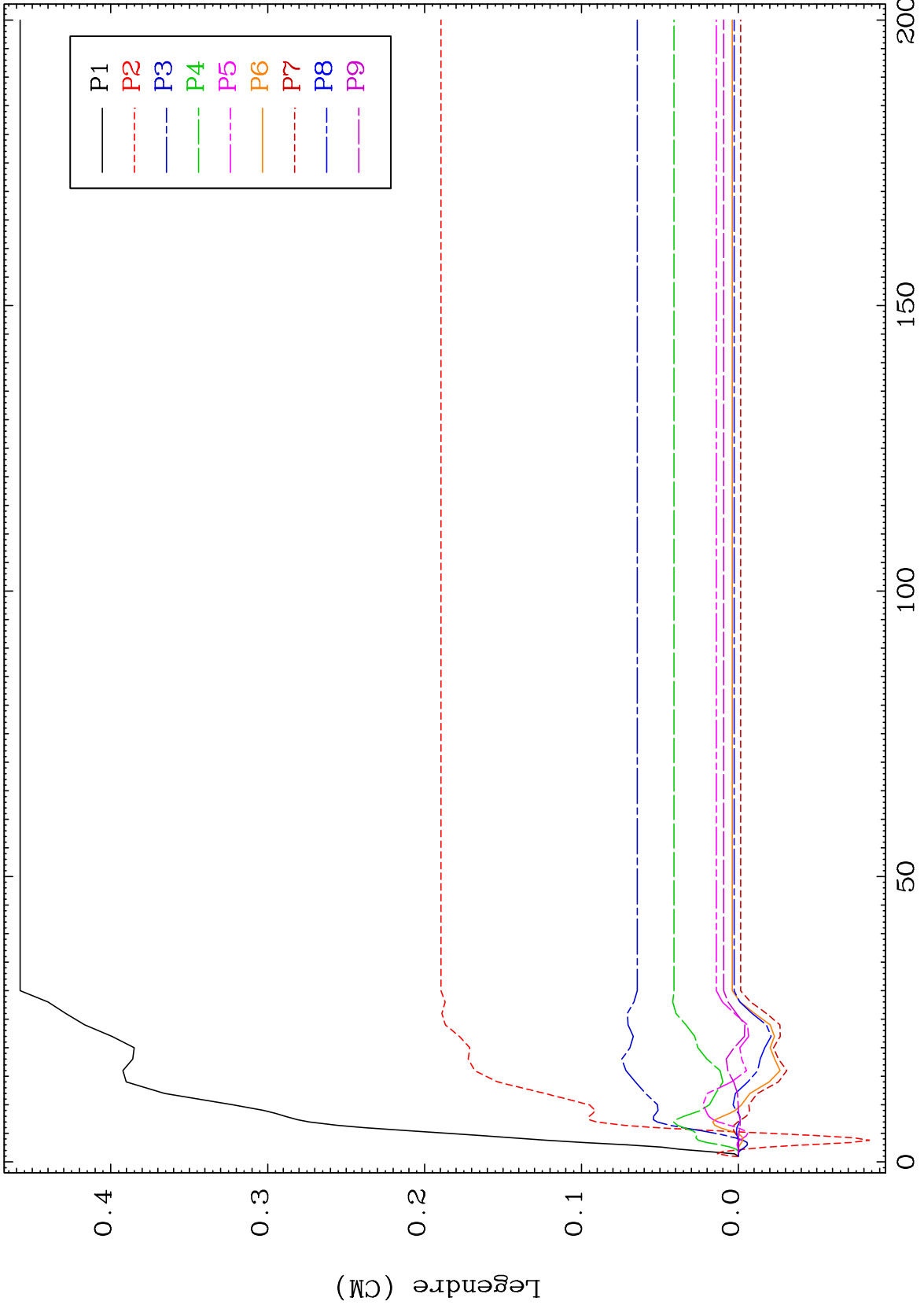


57

MAT 5540

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

55-Cs-138



58

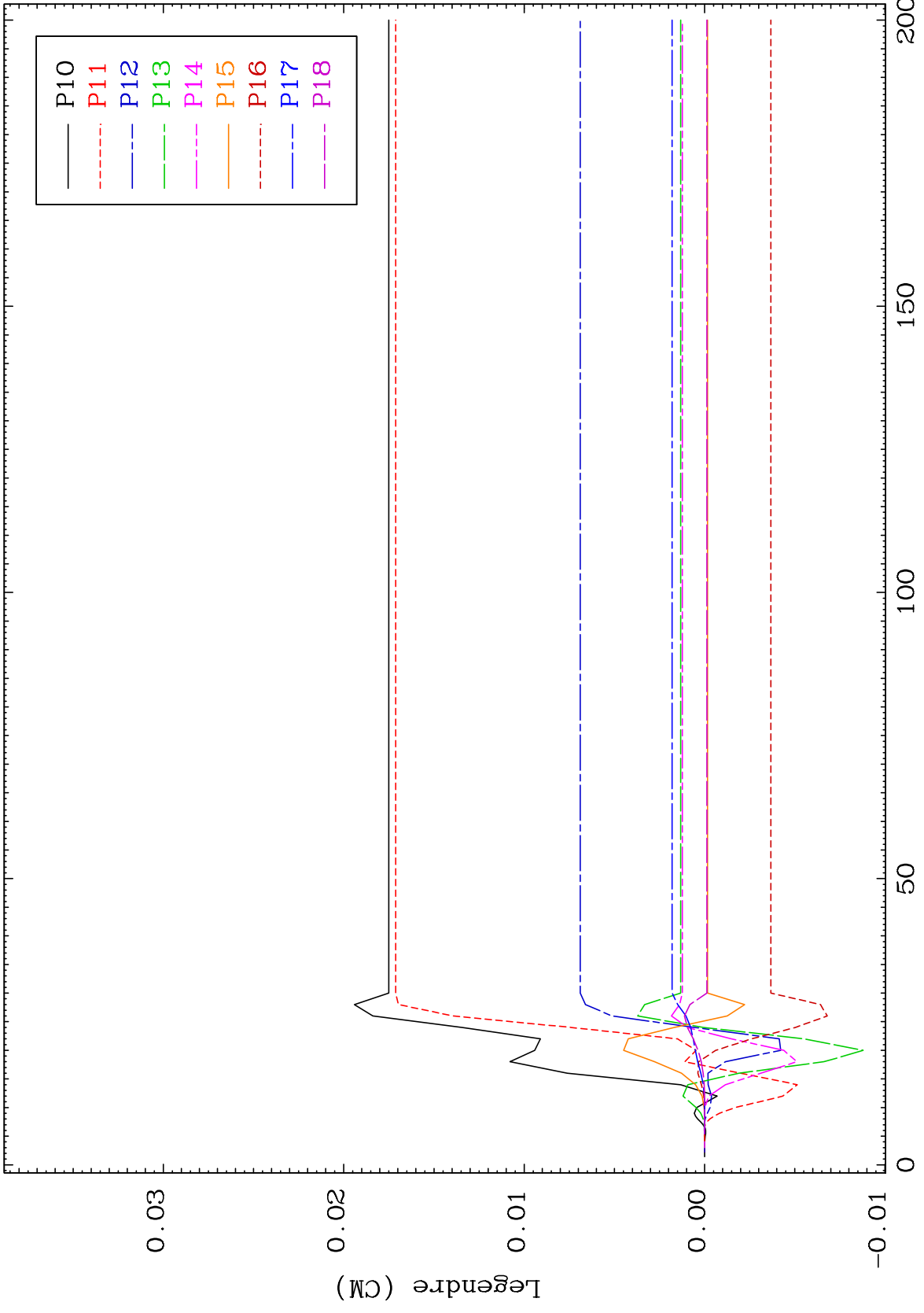
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138

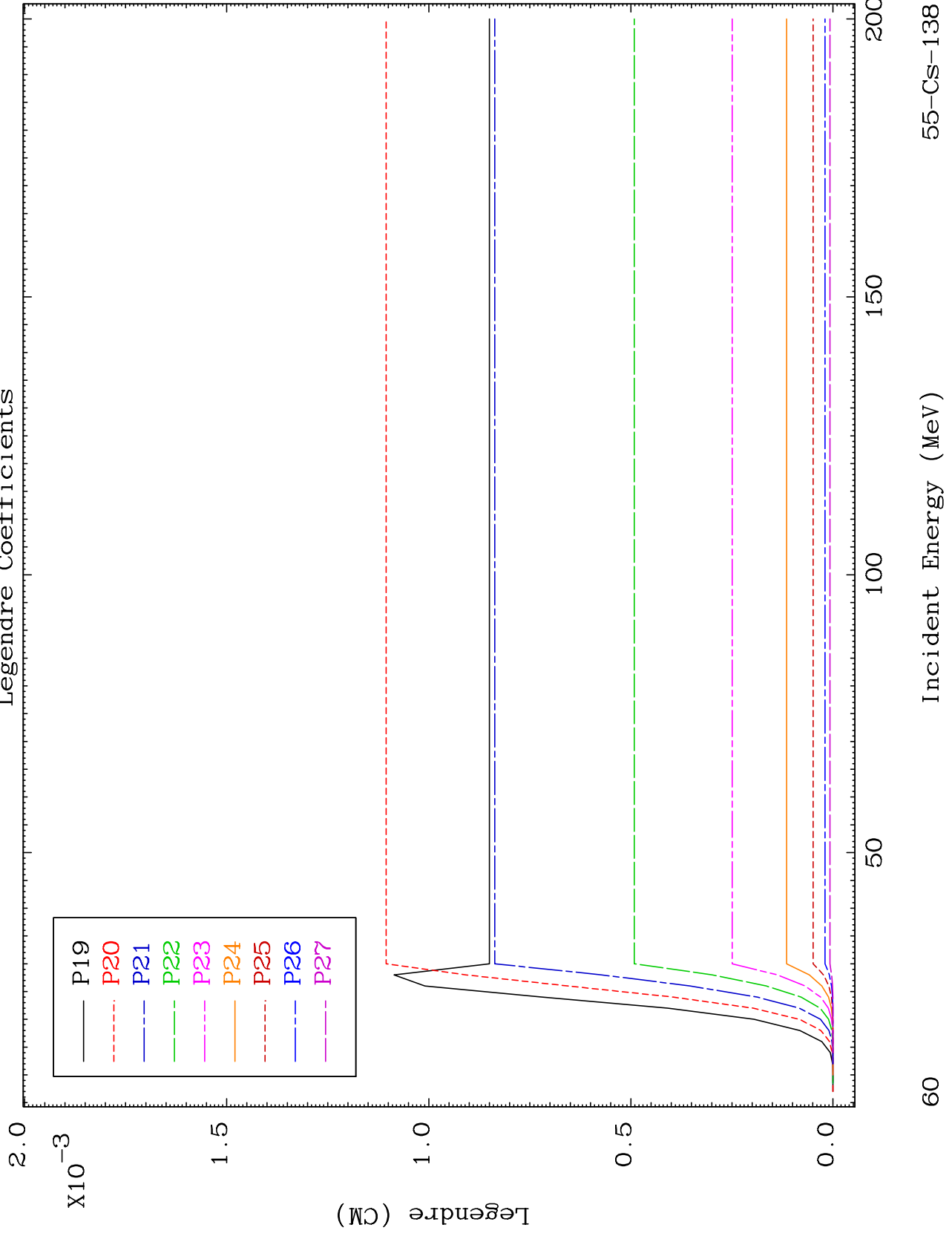


59

Incident Energy (MeV)

55-Cs-138

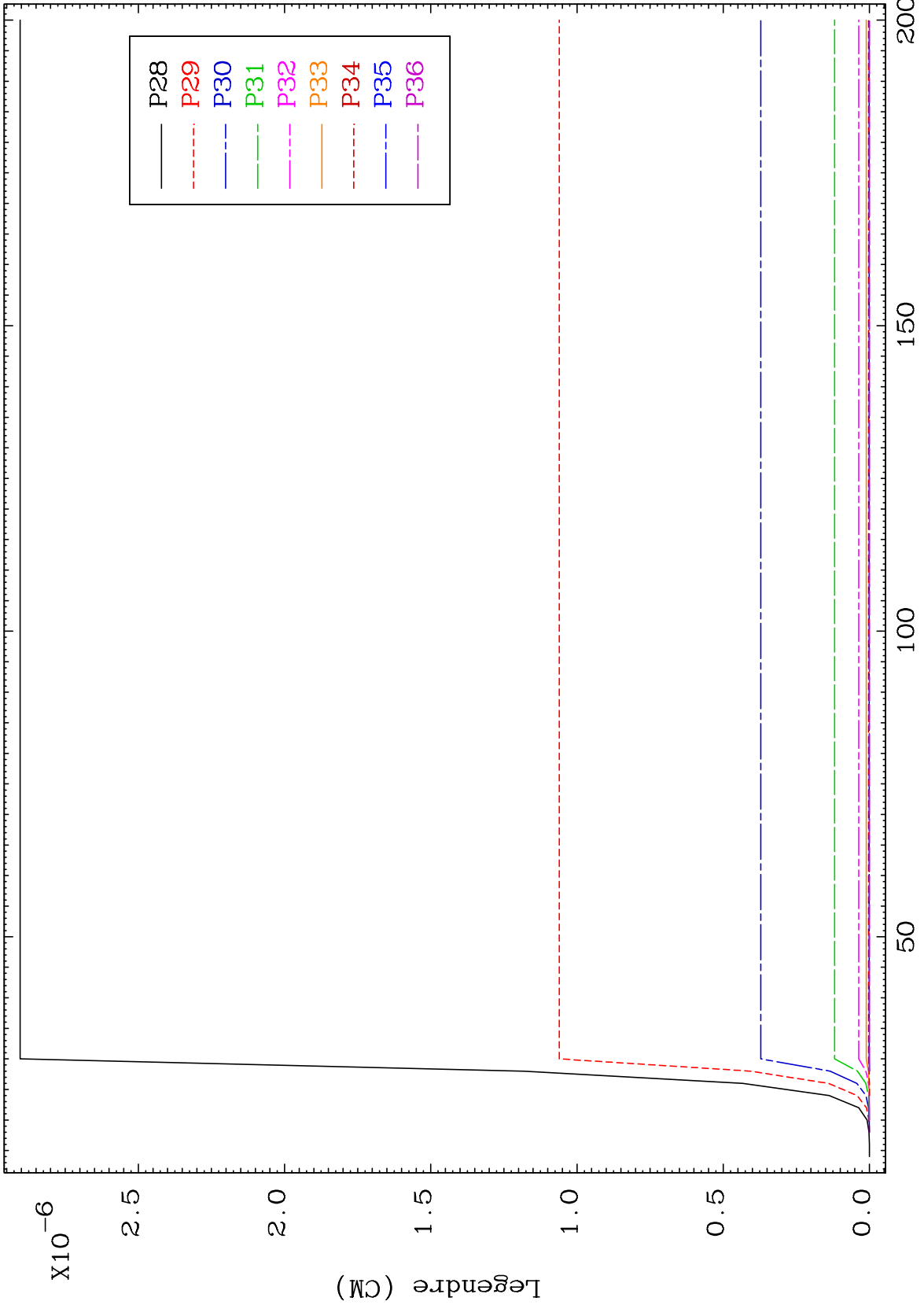
MAT 5540 MT= 62 (n,n') Level Legendre Coefficients 55-Cs-138



MAT 5540

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

55-Cs-138



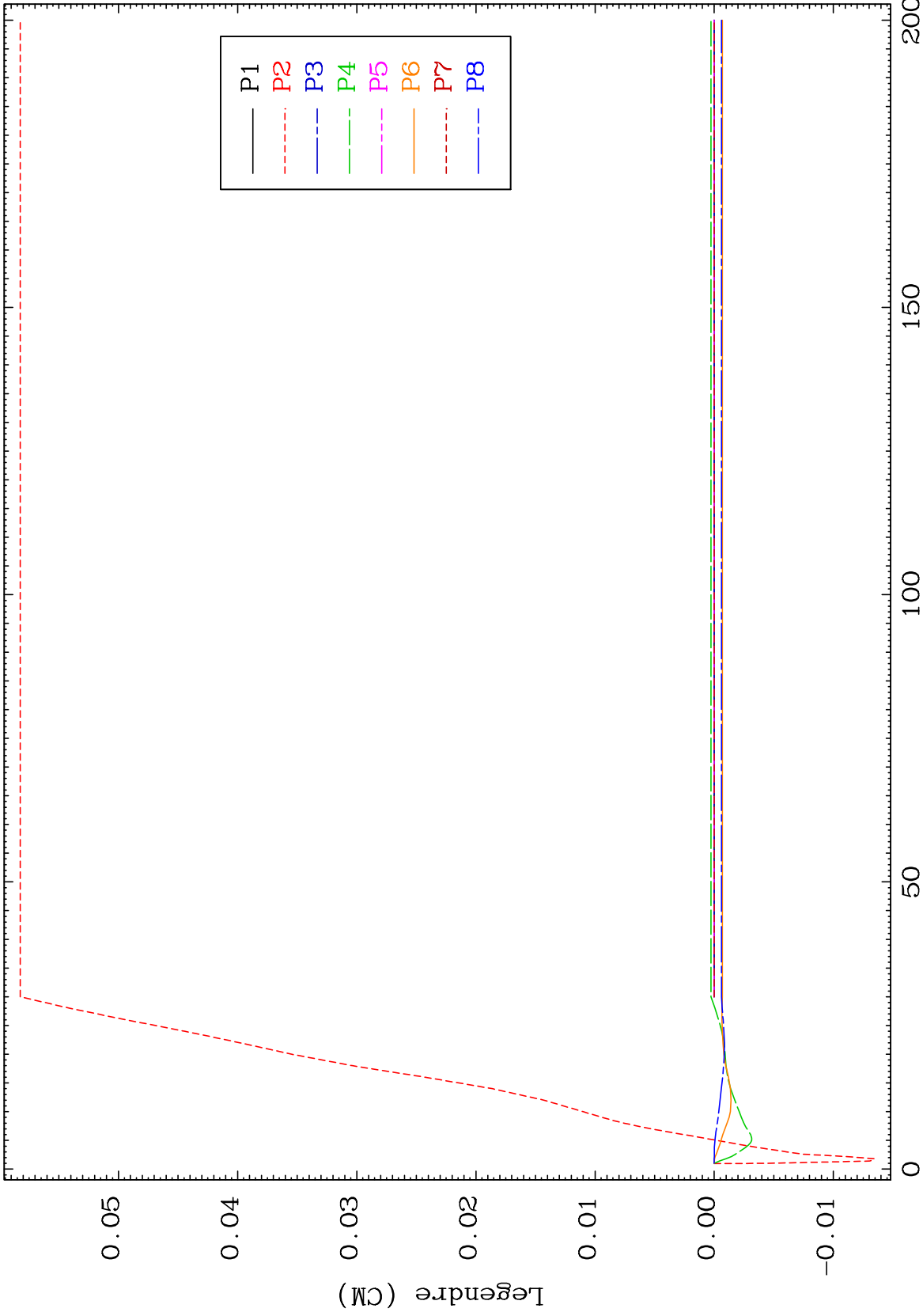
61

55-Cs-138

MAT 5540

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

55-Cs-138



62

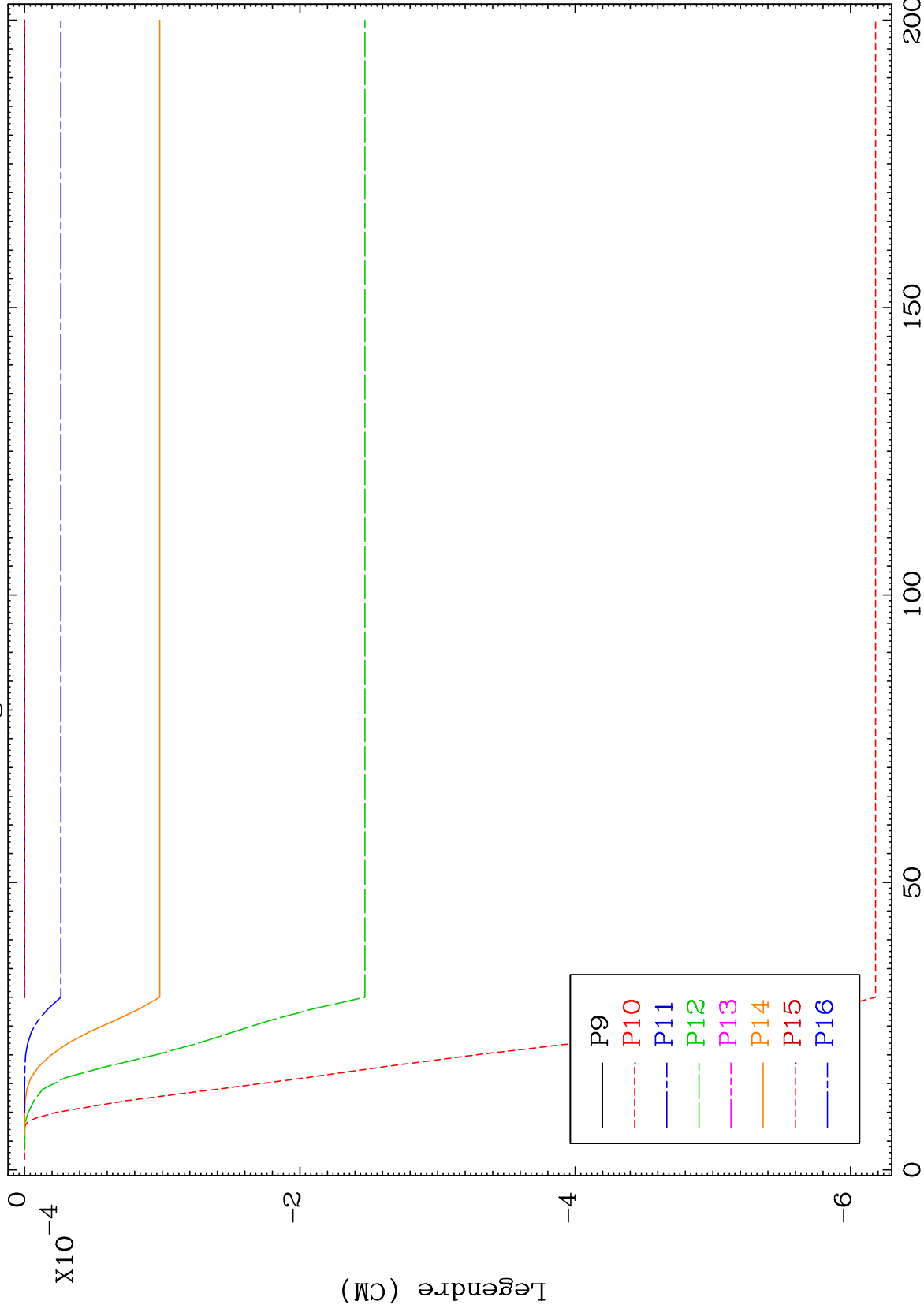
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



55-Cs-138

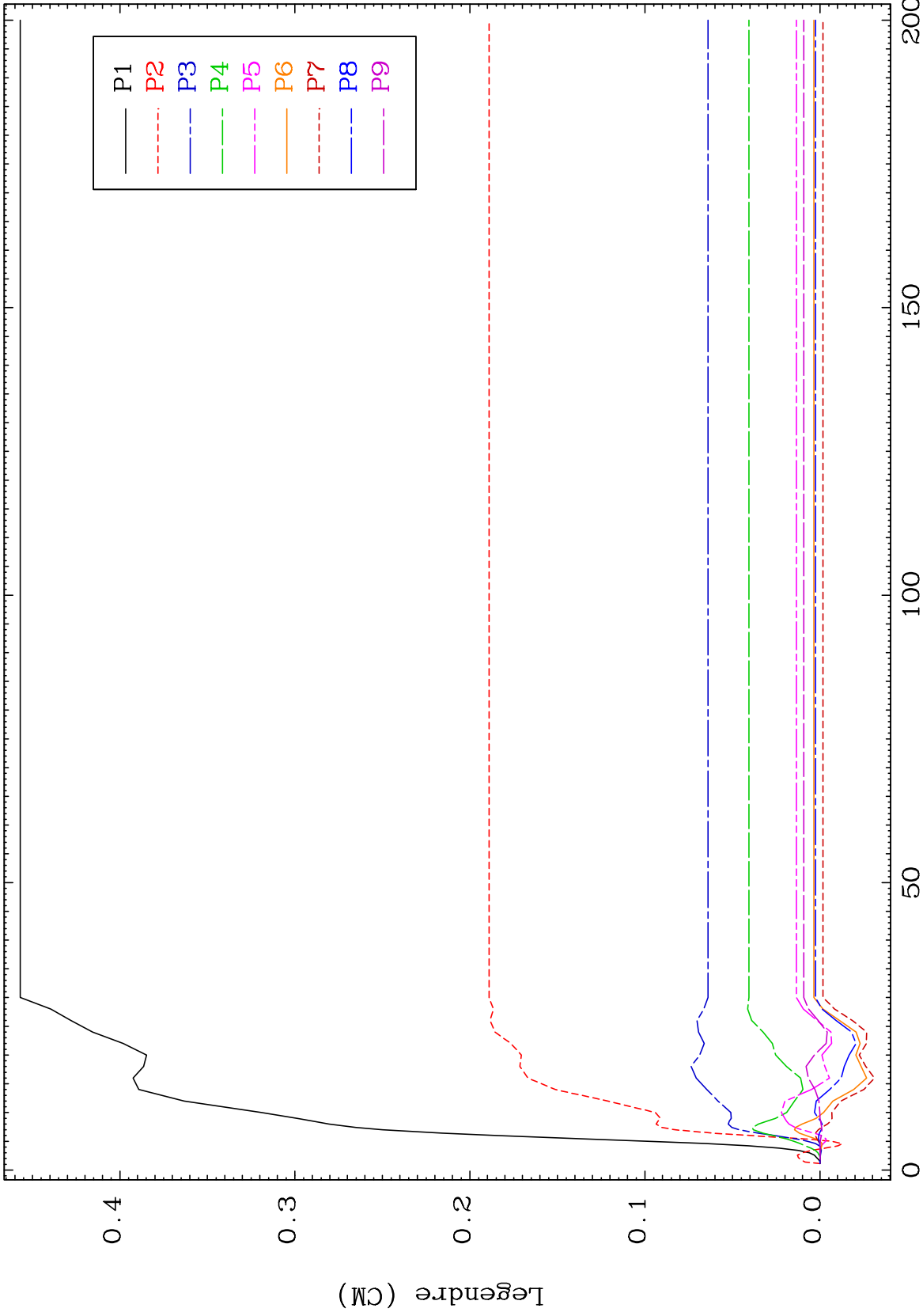
Incident Energy (MeV)

63

MAT 5540

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

55-Cs-138



65

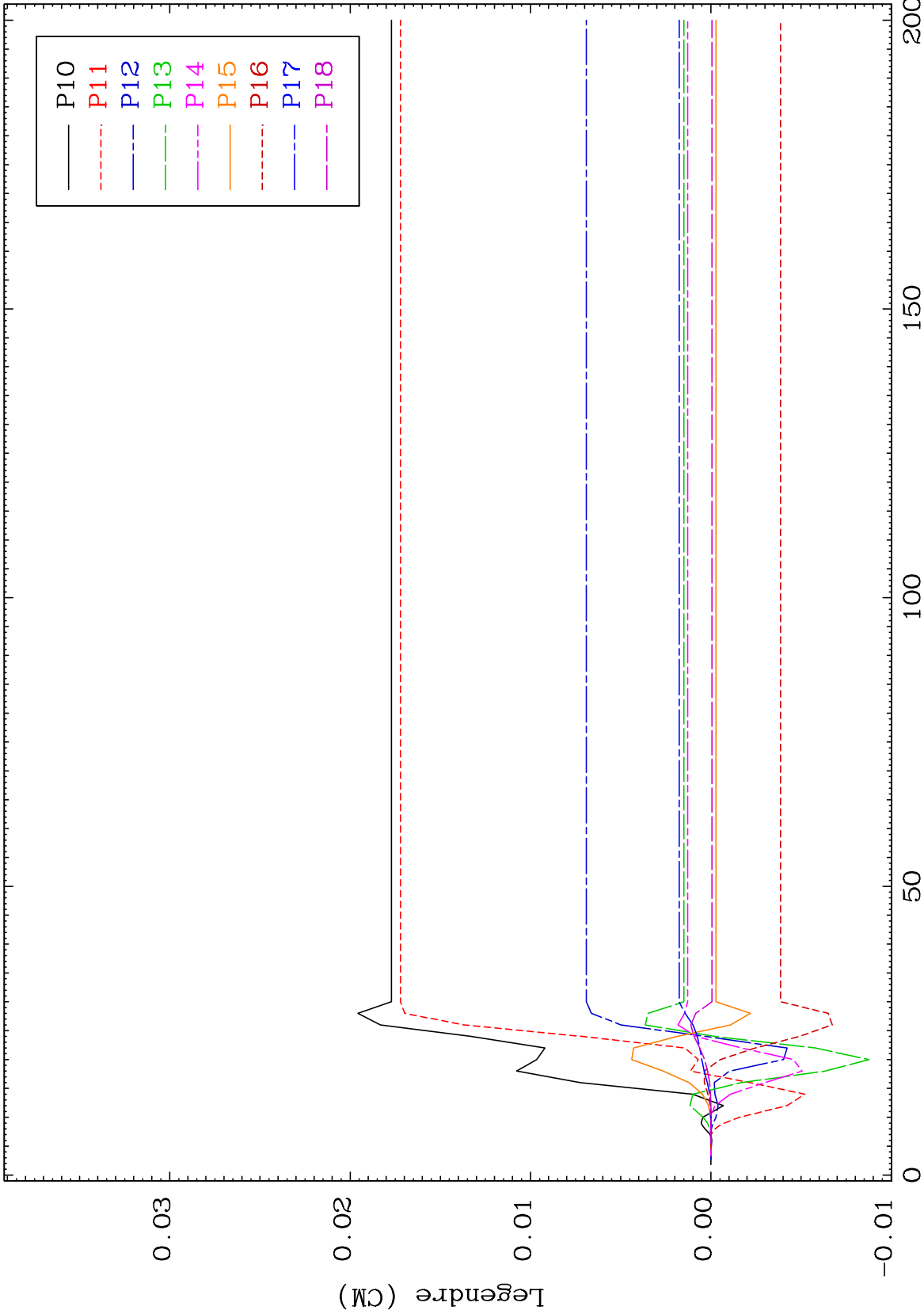
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



66

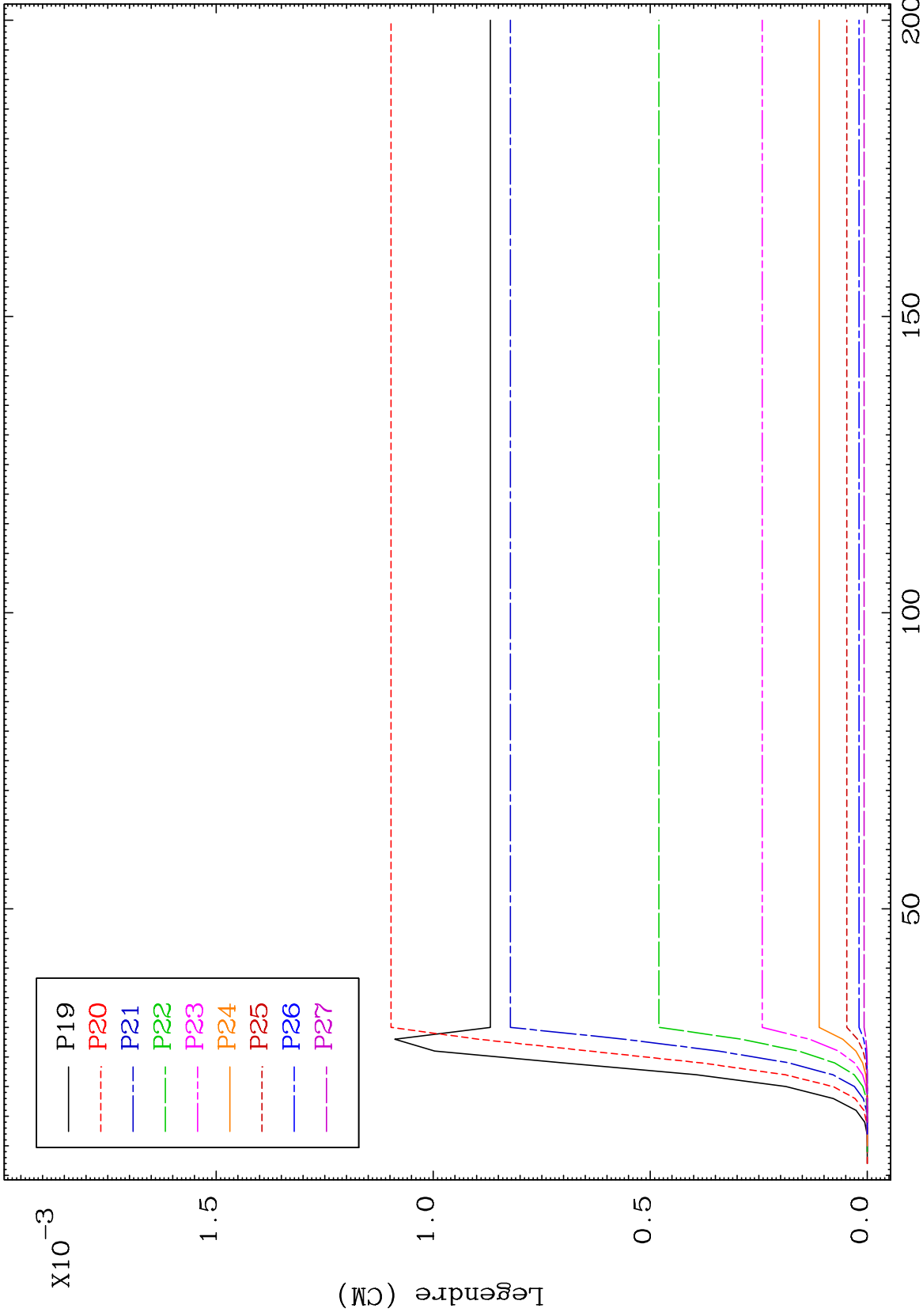
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



67

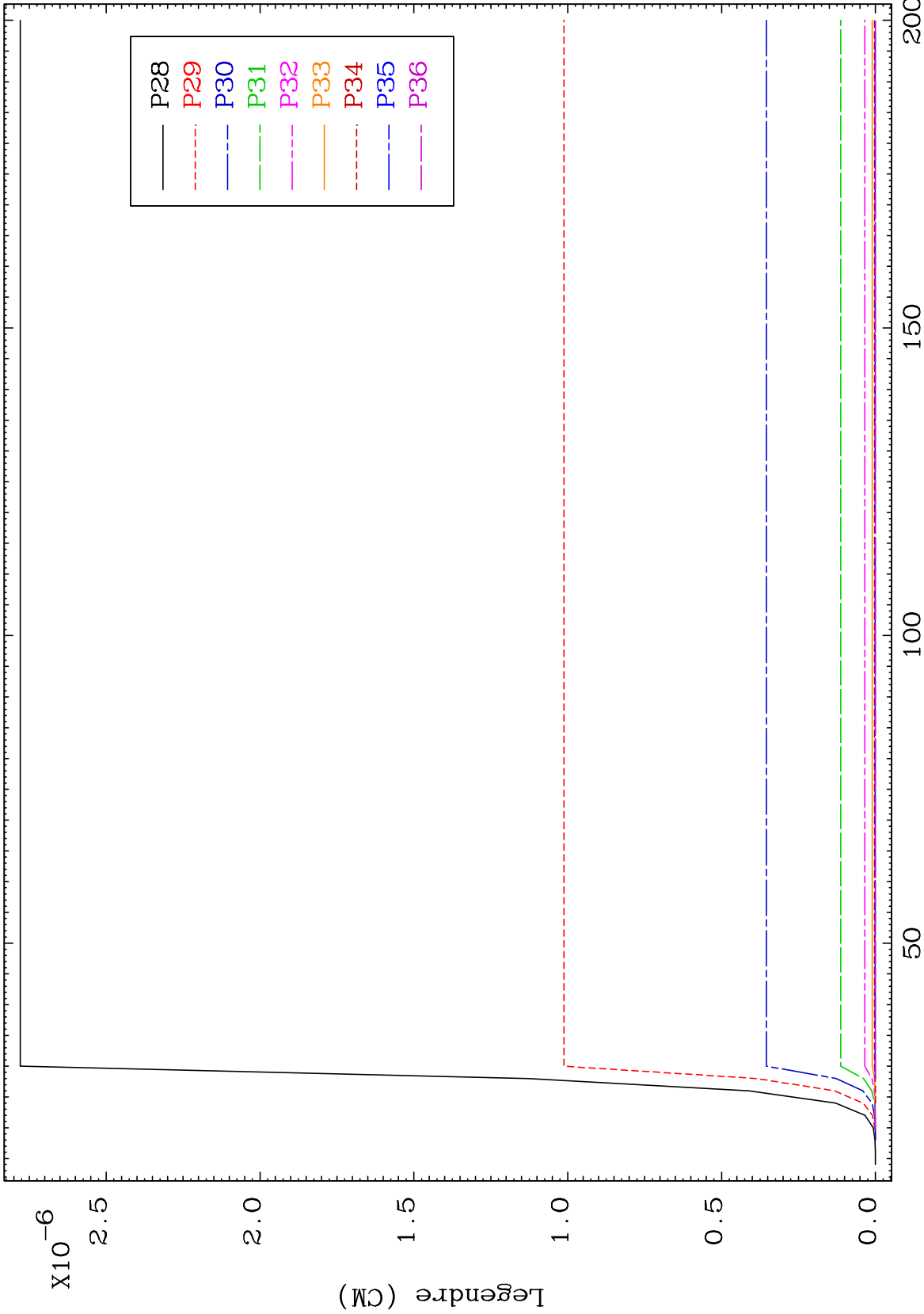
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



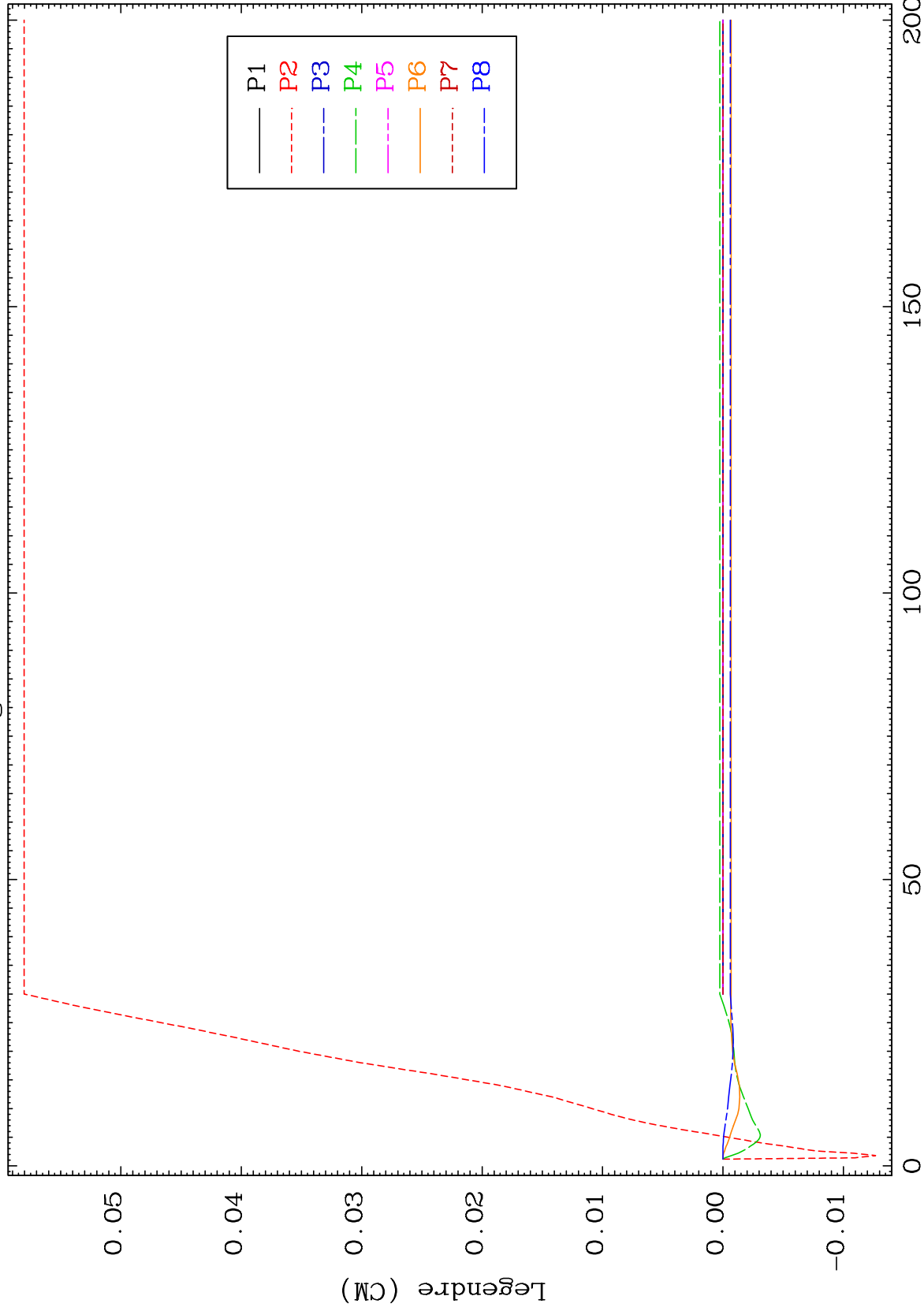
68

55-Cs-138

MAT 5540

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

55-Cs-138



69

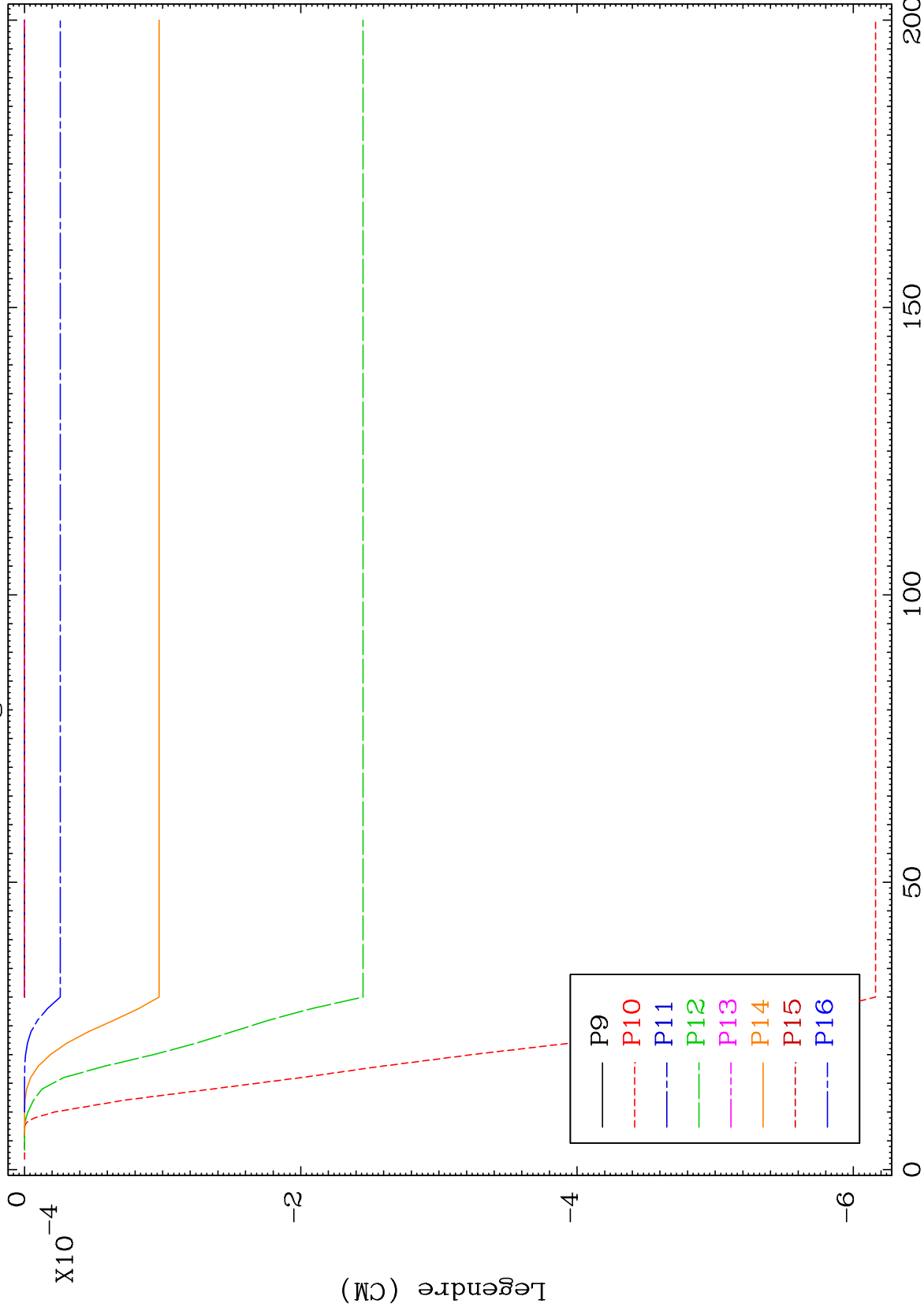
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



55-Cs-138

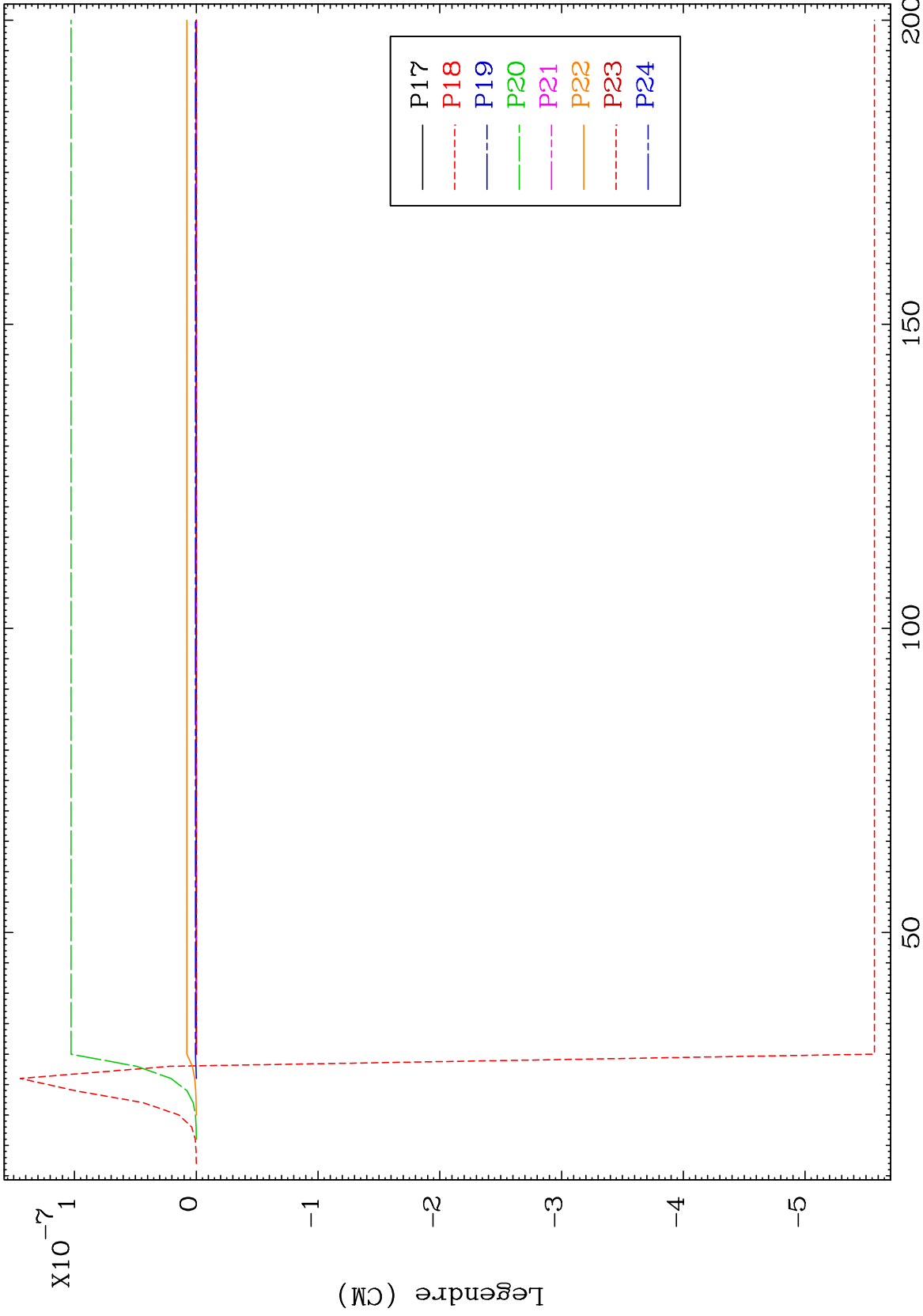
Incident Energy (MeV)

70

MAT 5540

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

55-Cs-138



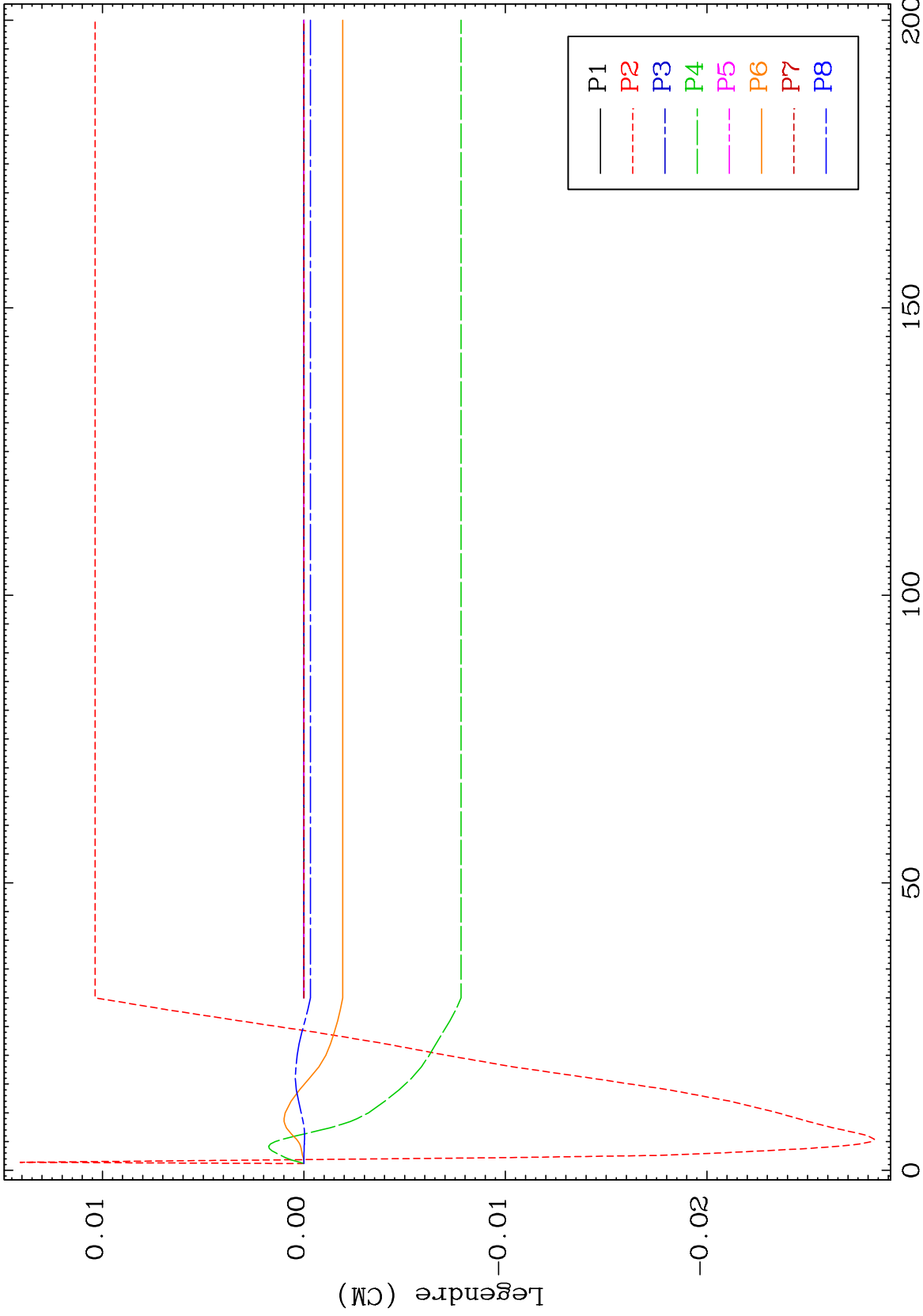
71

55-Cs-138

MAT 5540

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

55-Cs-138

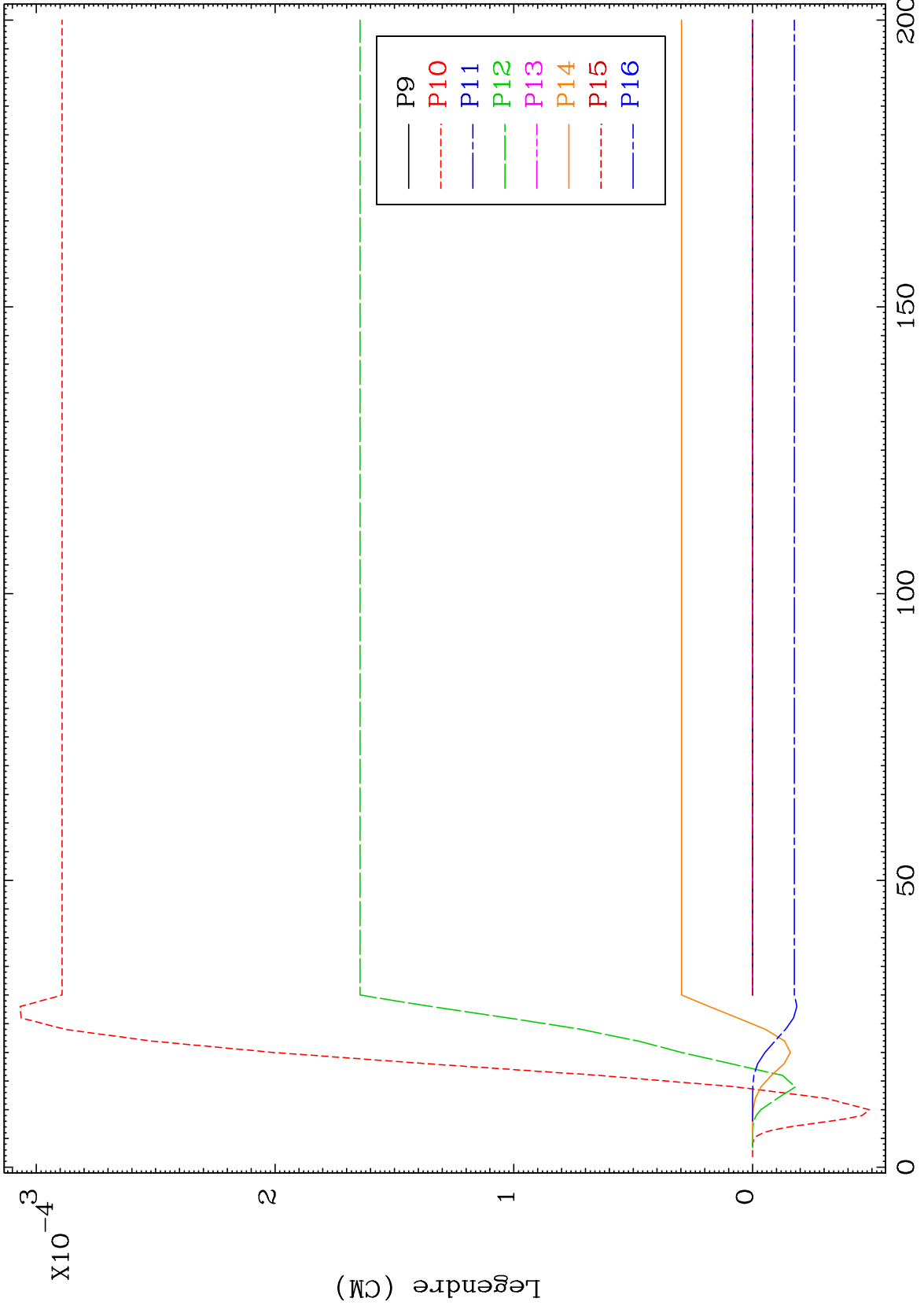


72

Incident Energy (MeV)

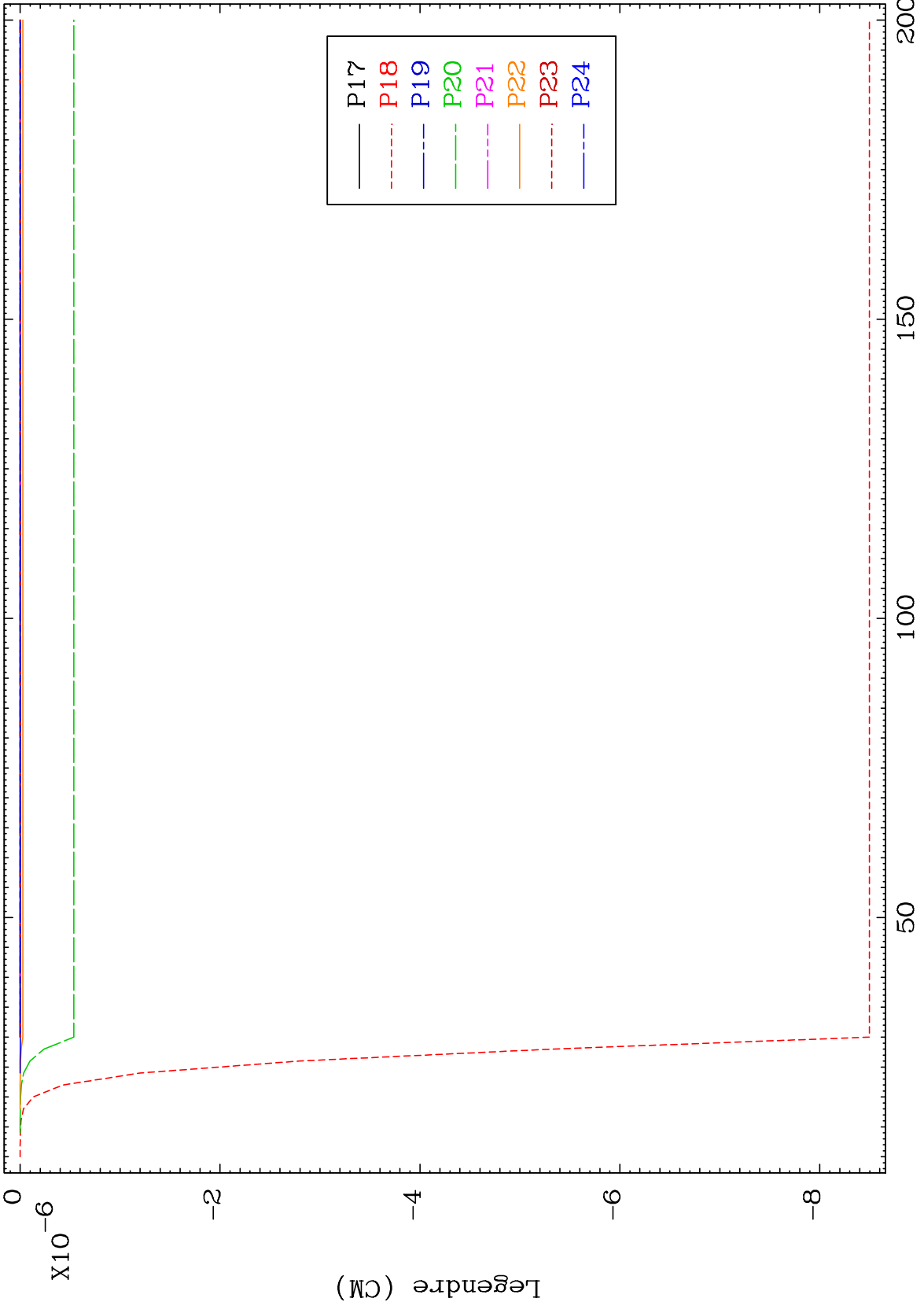
55-Cs-138

MAT 5540 MT= 66 (n,n') Level Legendre Coefficients 55-Cs-138



73 55-Cs-138

MAT 5540 MT= 66 (n,n') Level Legendre Coefficients 55-Cs-138

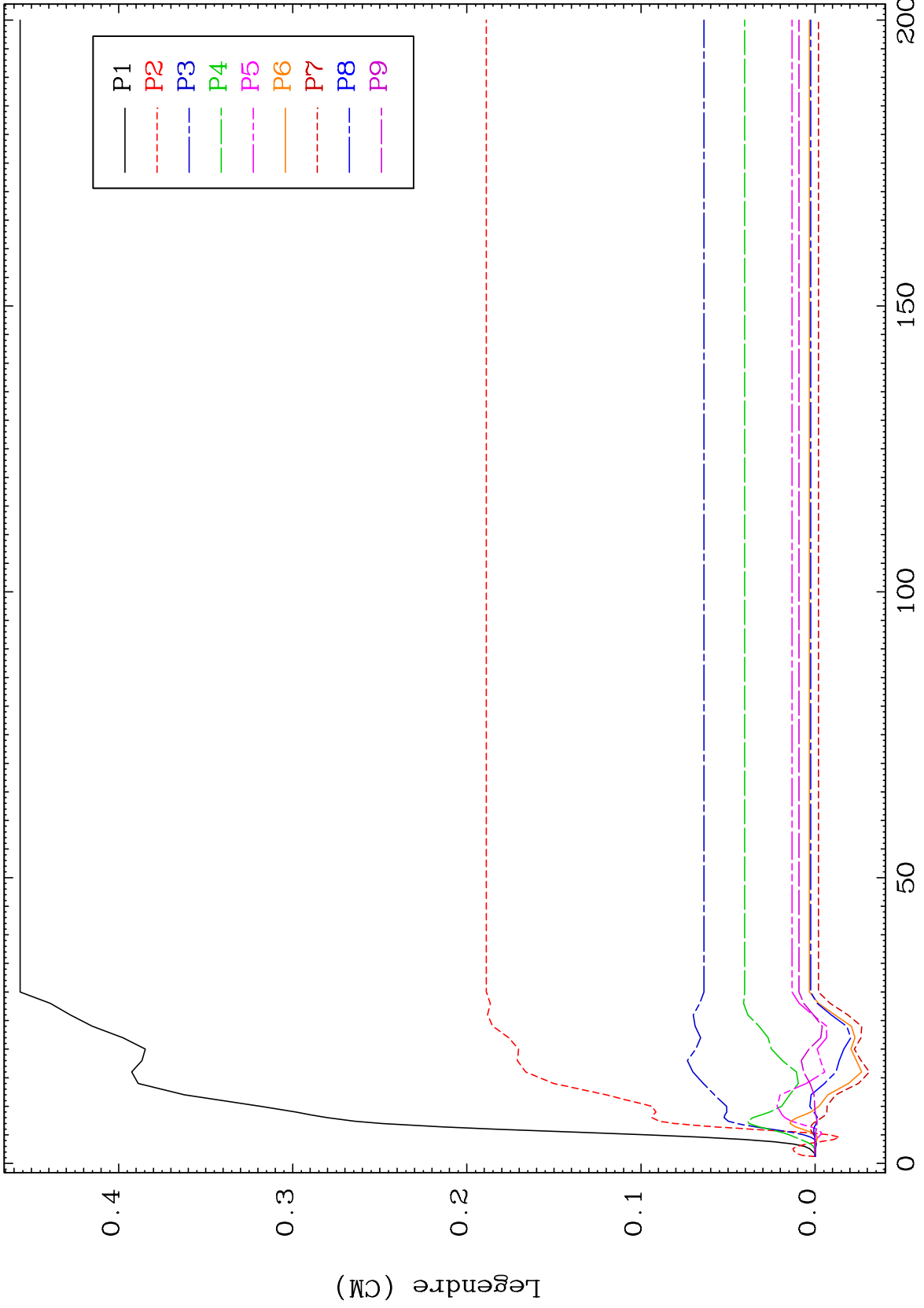


74 55-Cs-138

MAT 5540

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

55-Cs-138



75

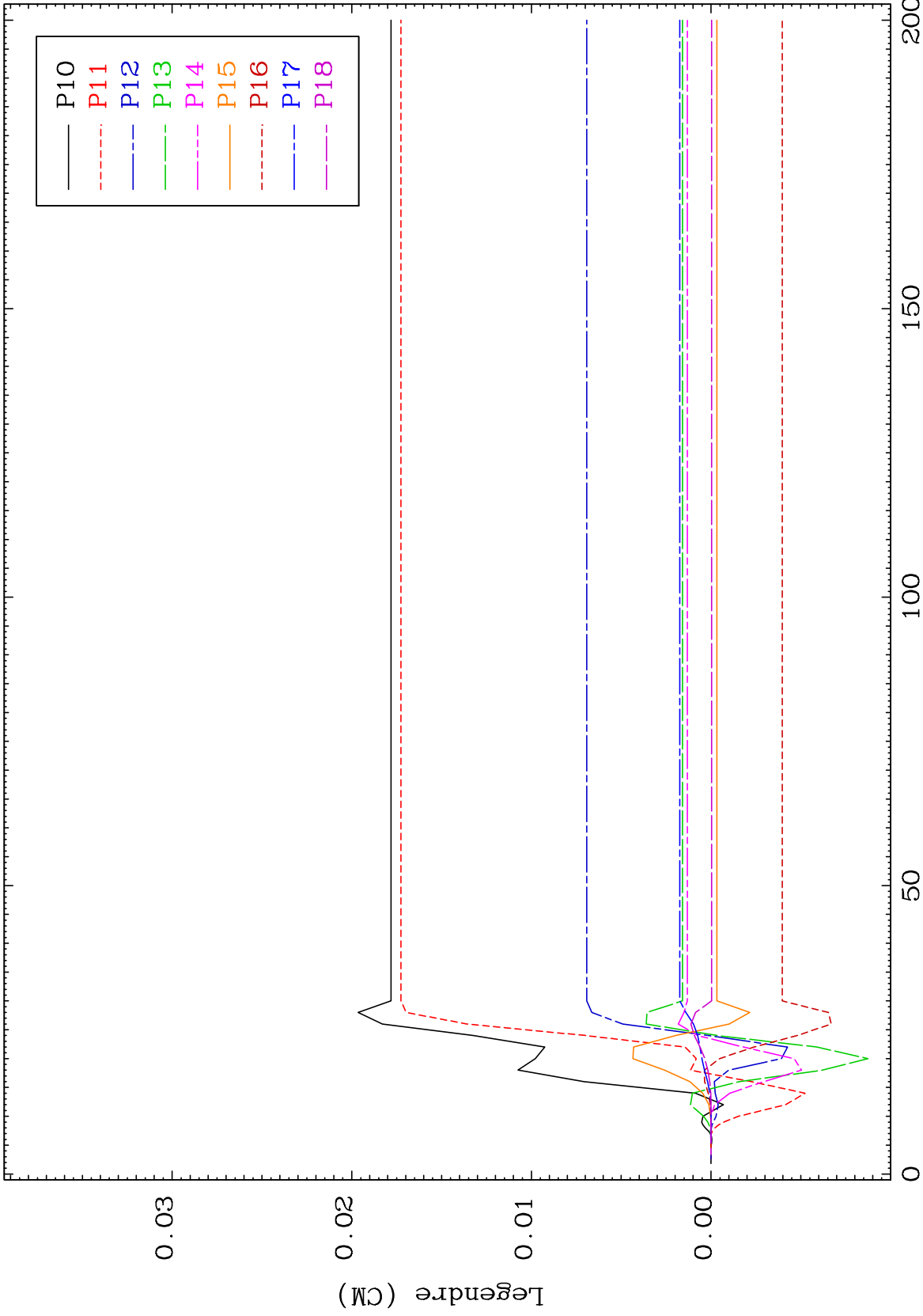
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



76

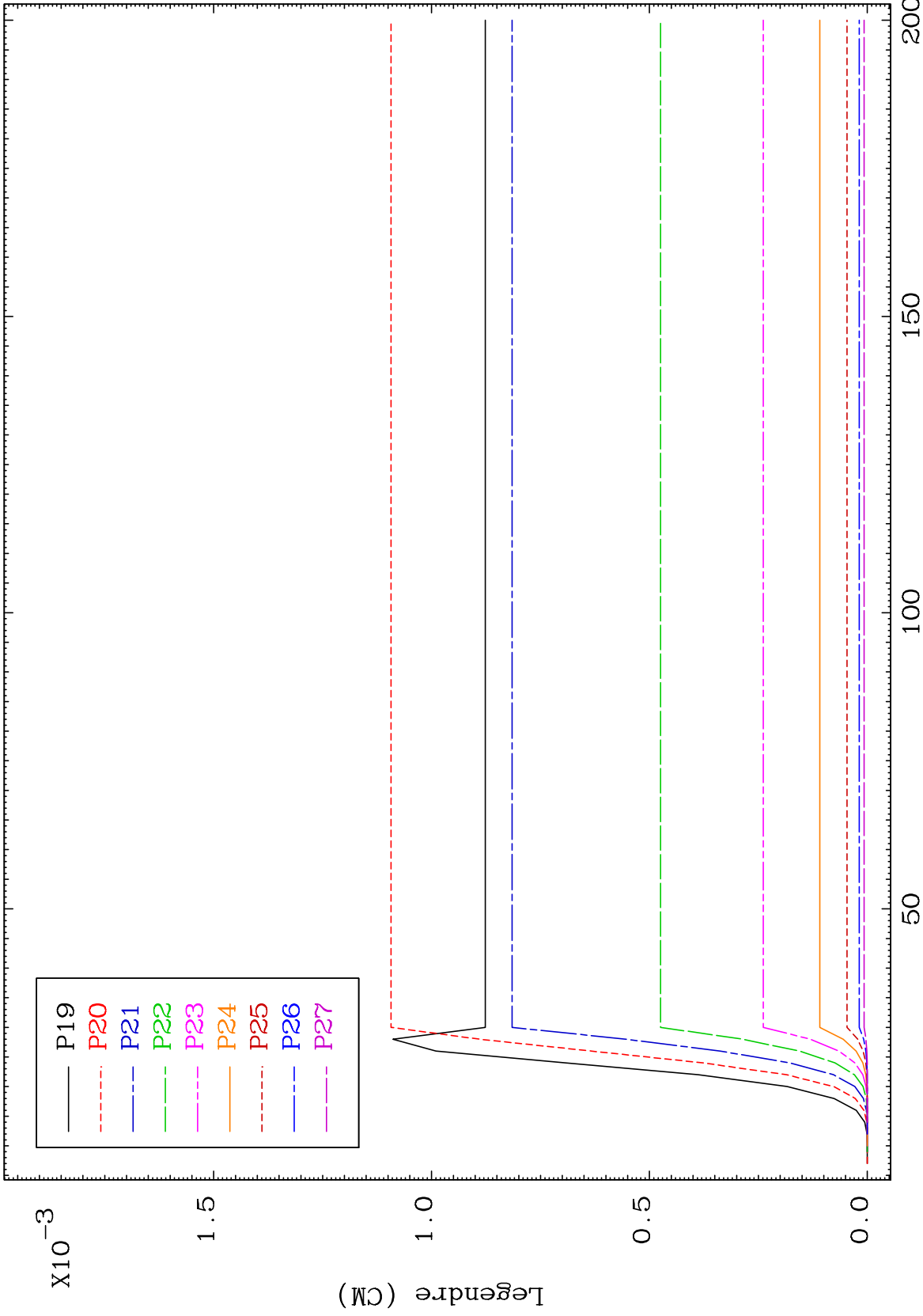
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



77

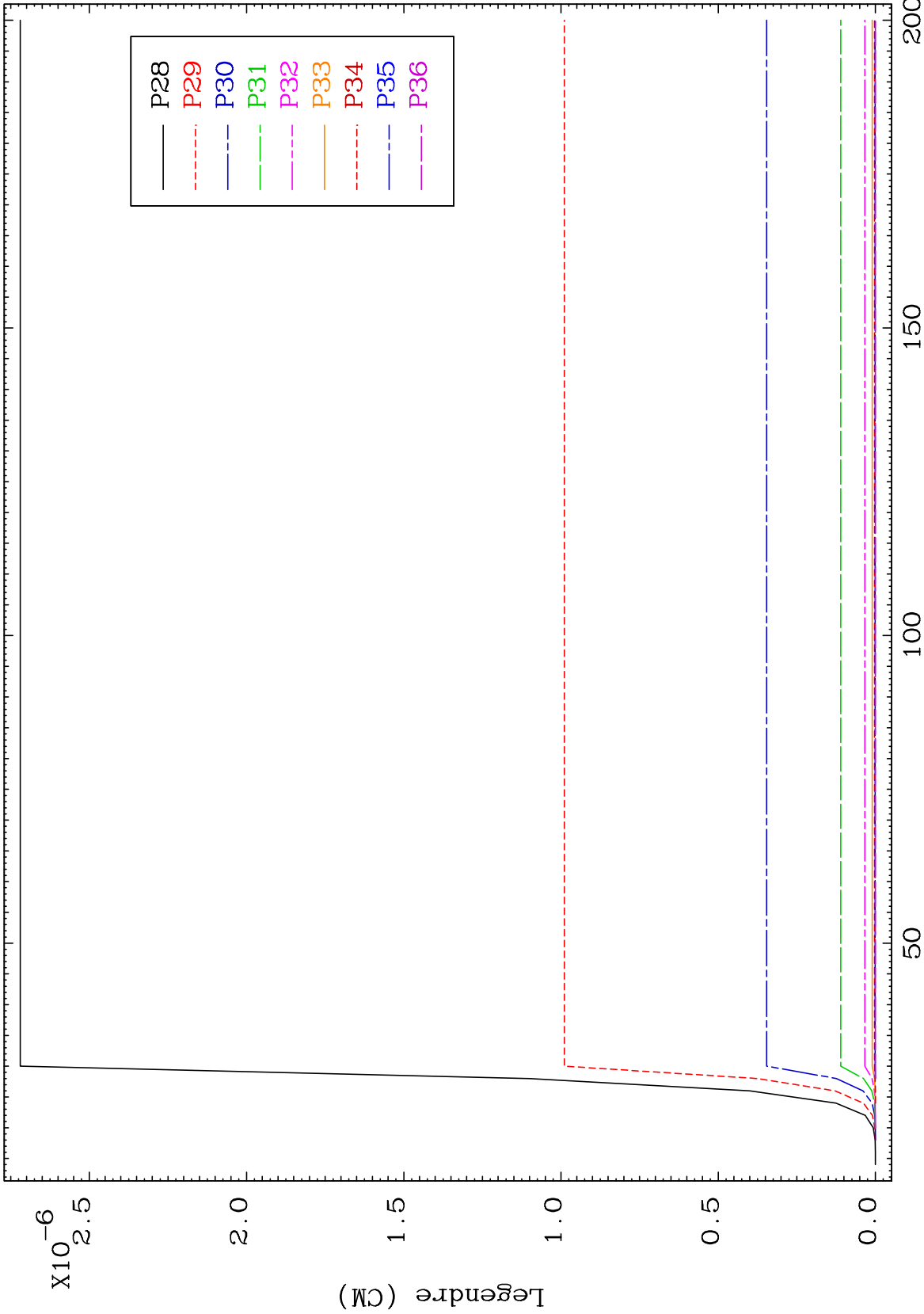
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138

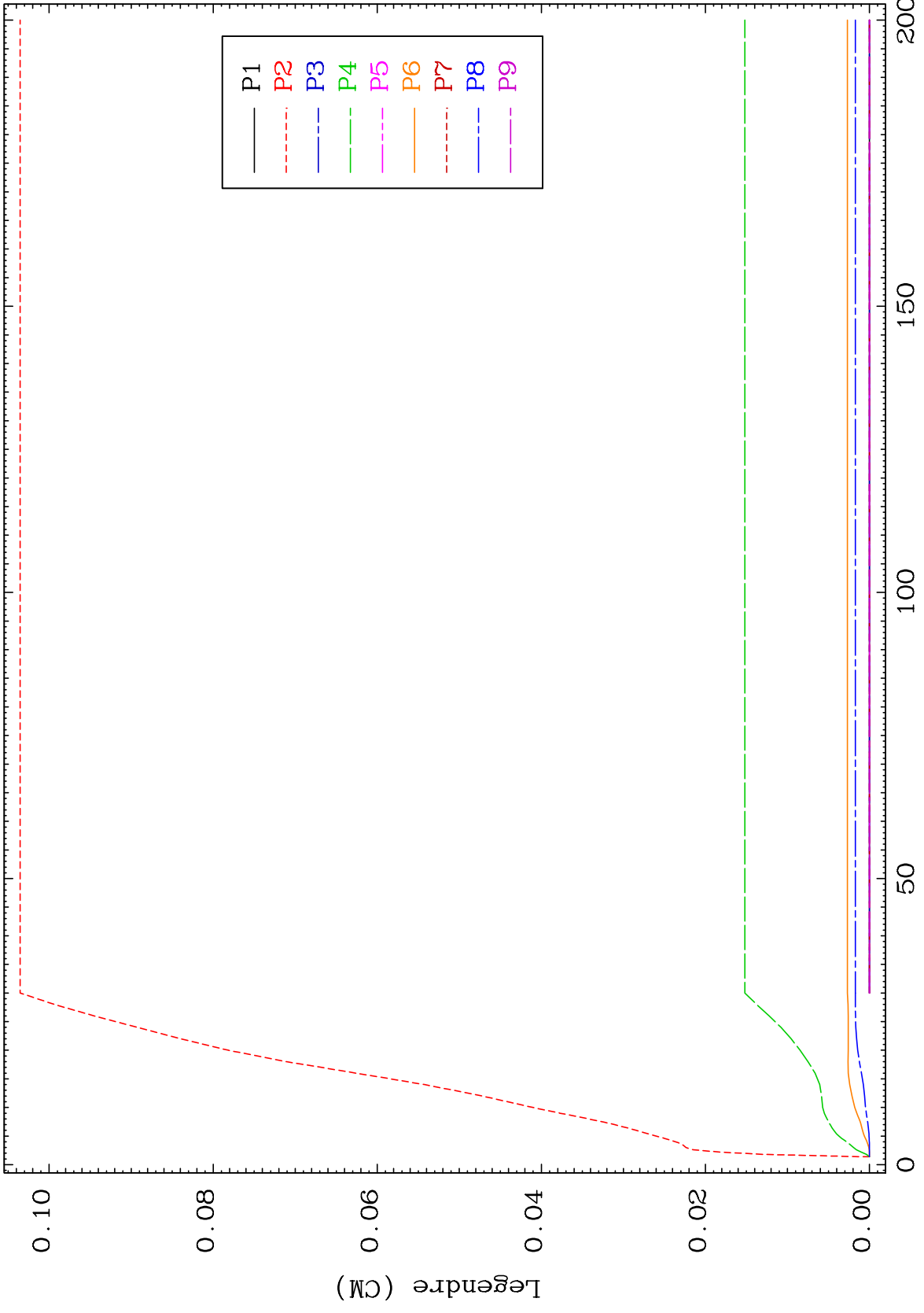


78

Incident Energy (MeV)

55-Cs-138

MAT 5540 MT= 68 (n,n') Level Legendre Coefficients 55-Cs-138

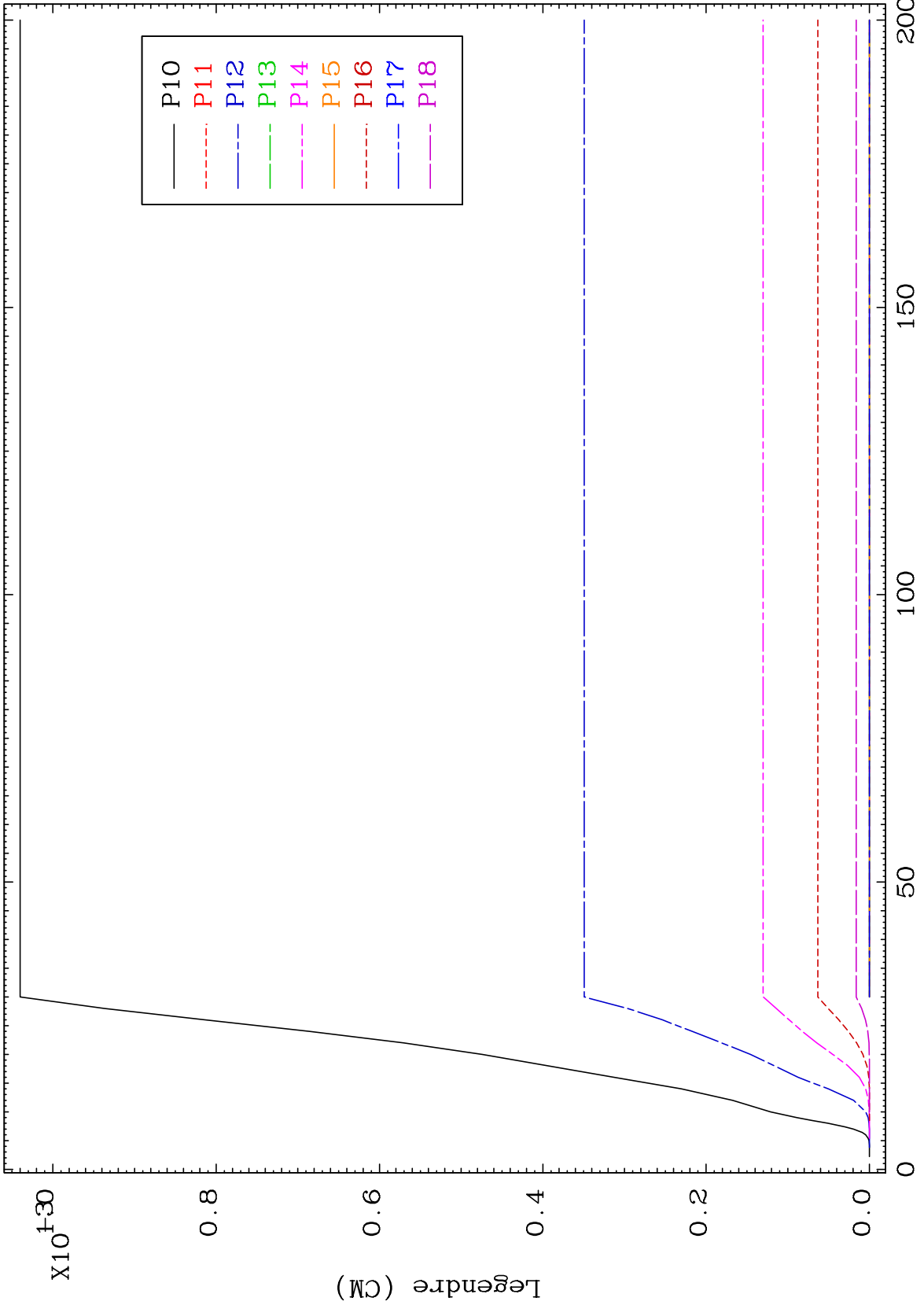


79 Incident Energy (MeV) 55-Cs-138

MAT 5540

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

55-Cs-138

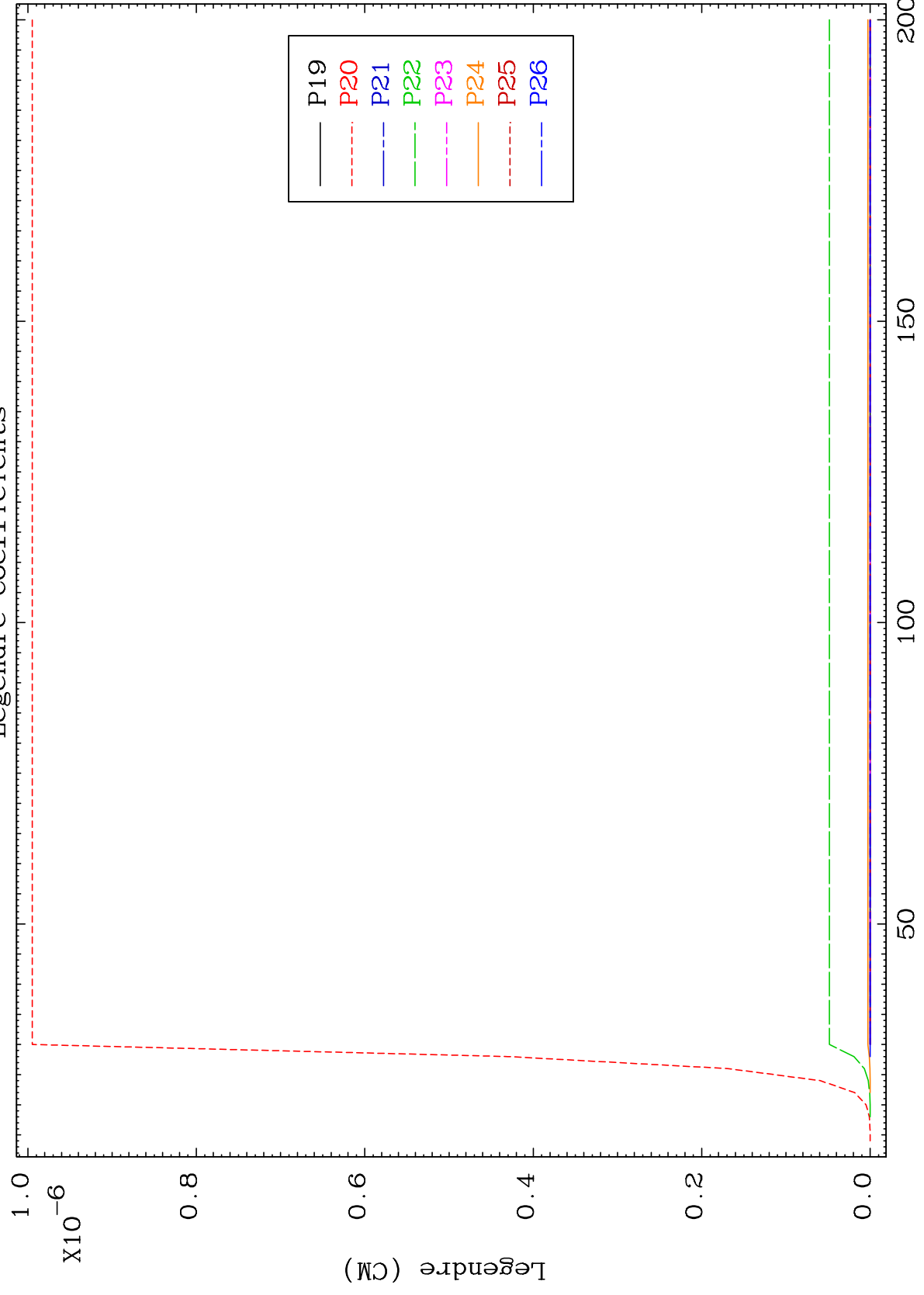


80

Incident Energy (MeV)

55-Cs-138

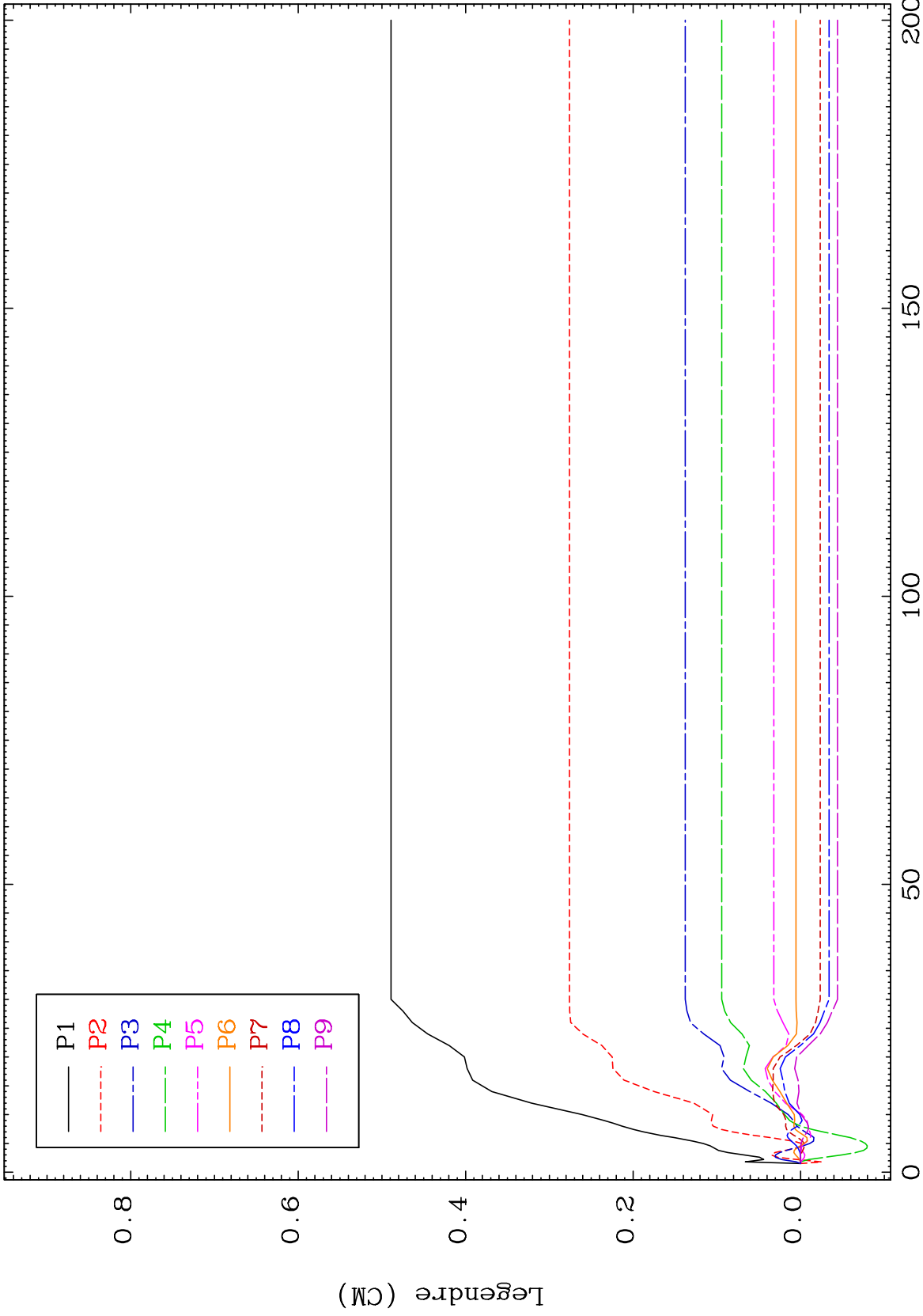
MAT 5540 MT= 68 (n,n') Level Legendre Coefficients 55-Cs-138



MAT 5540

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

55-Cs-138



82

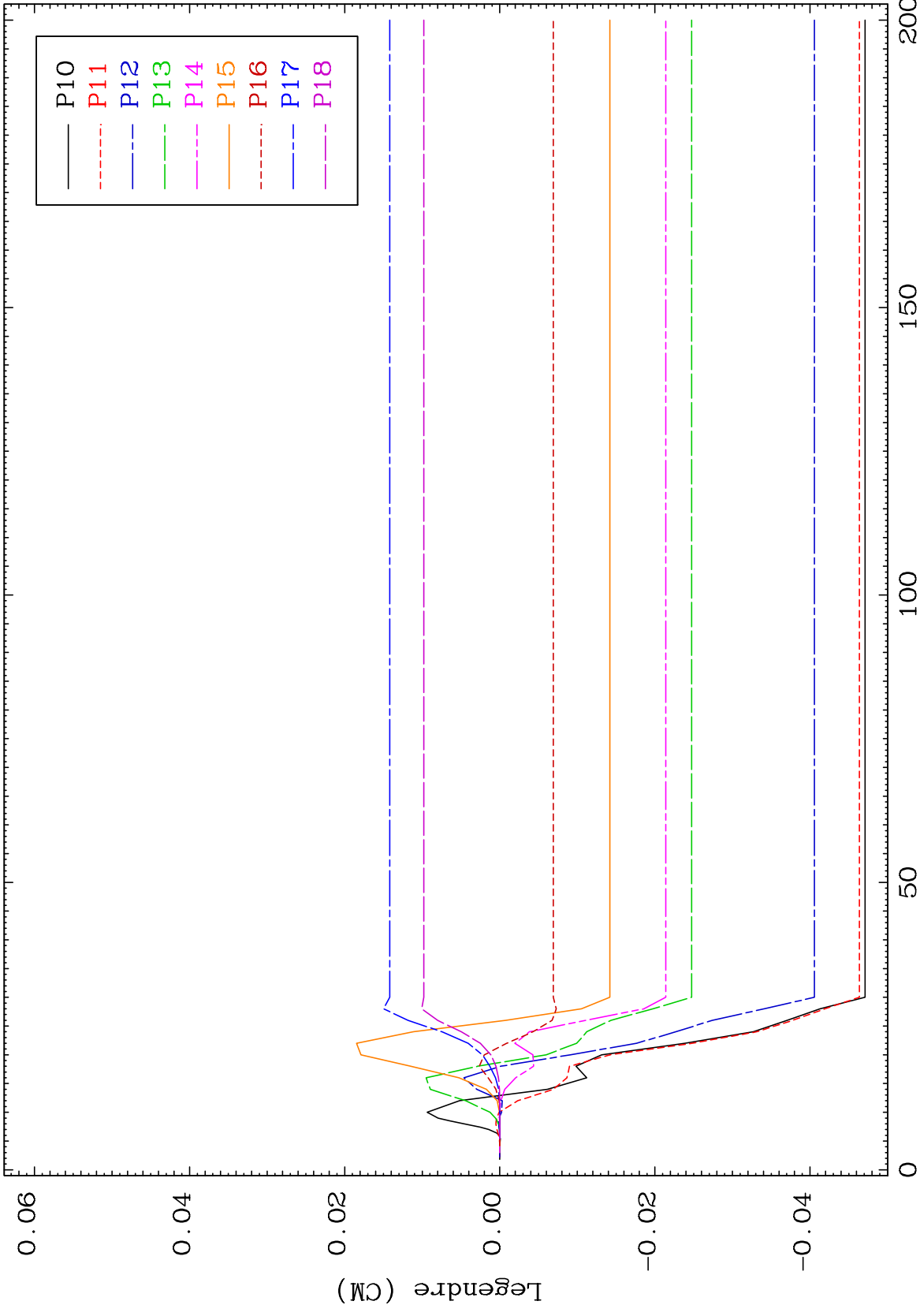
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



83

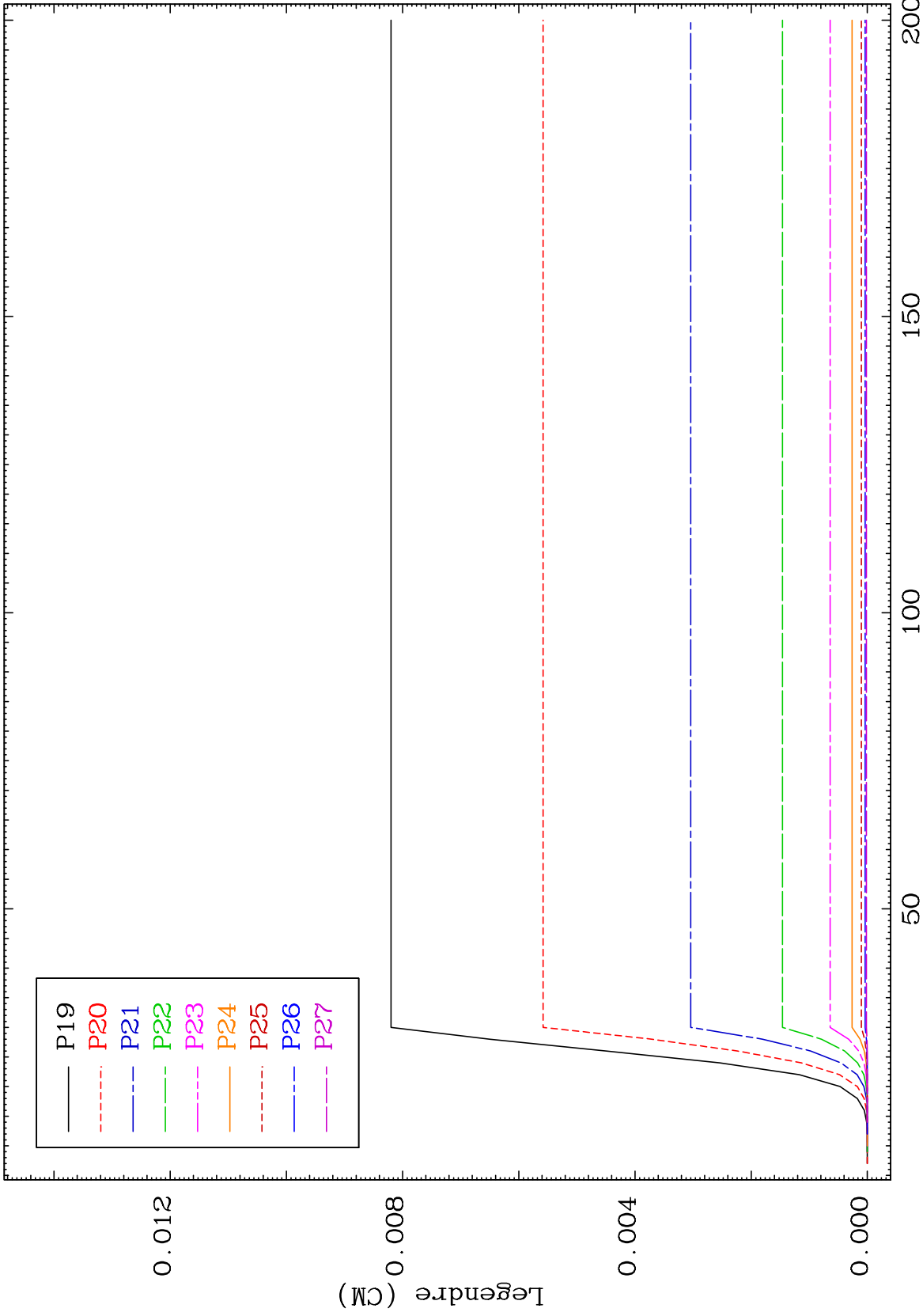
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



84

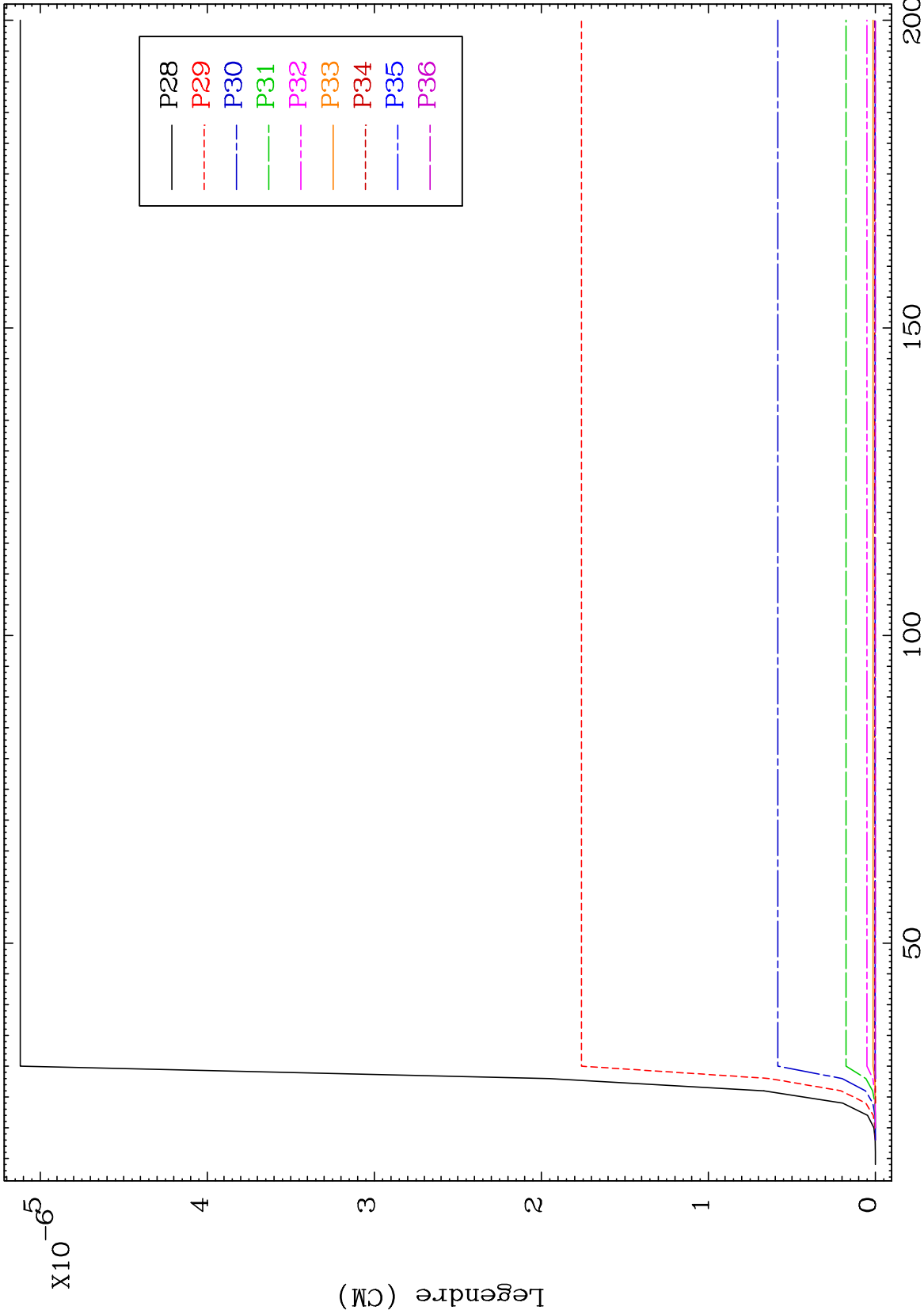
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



85

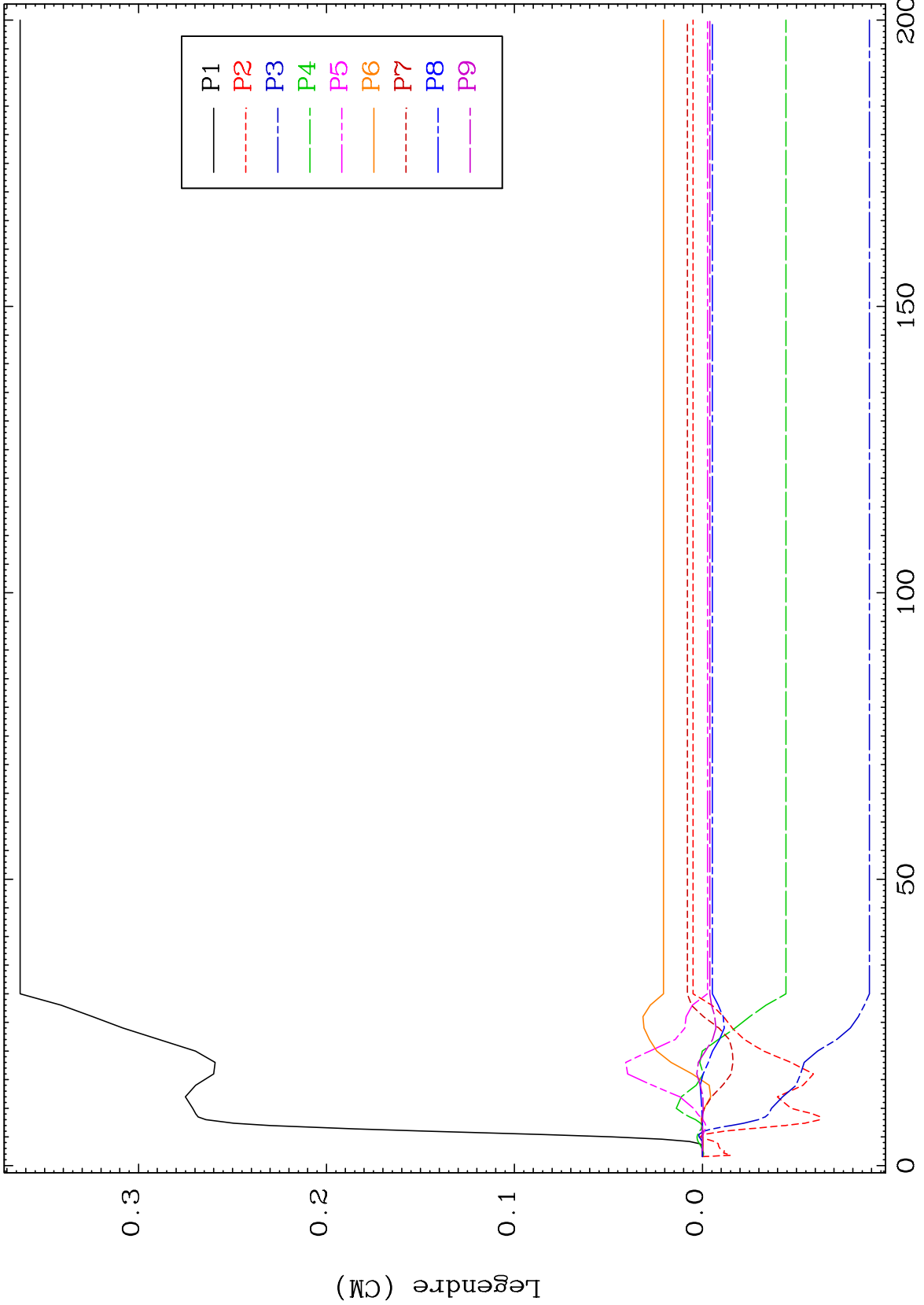
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



86

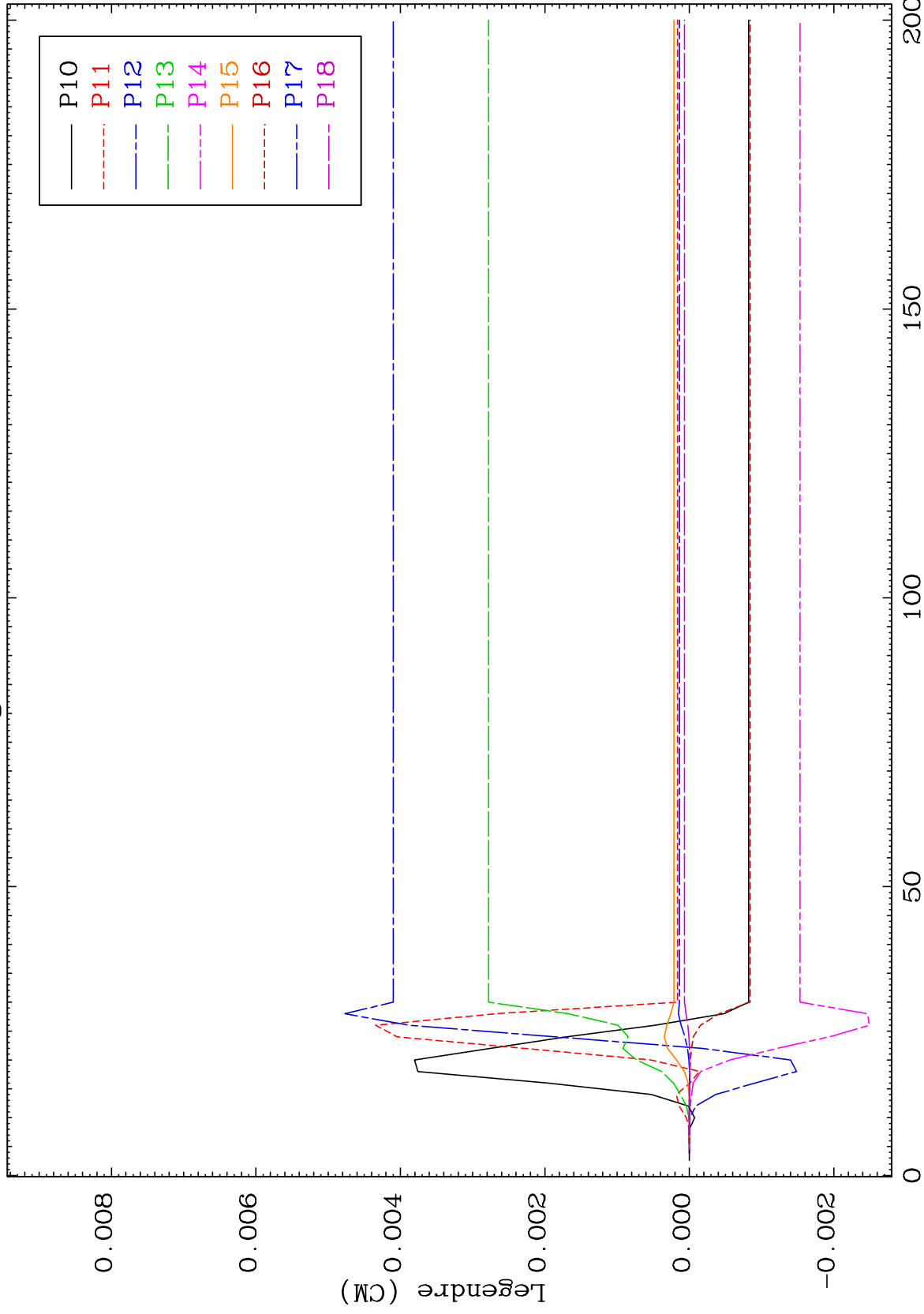
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



87

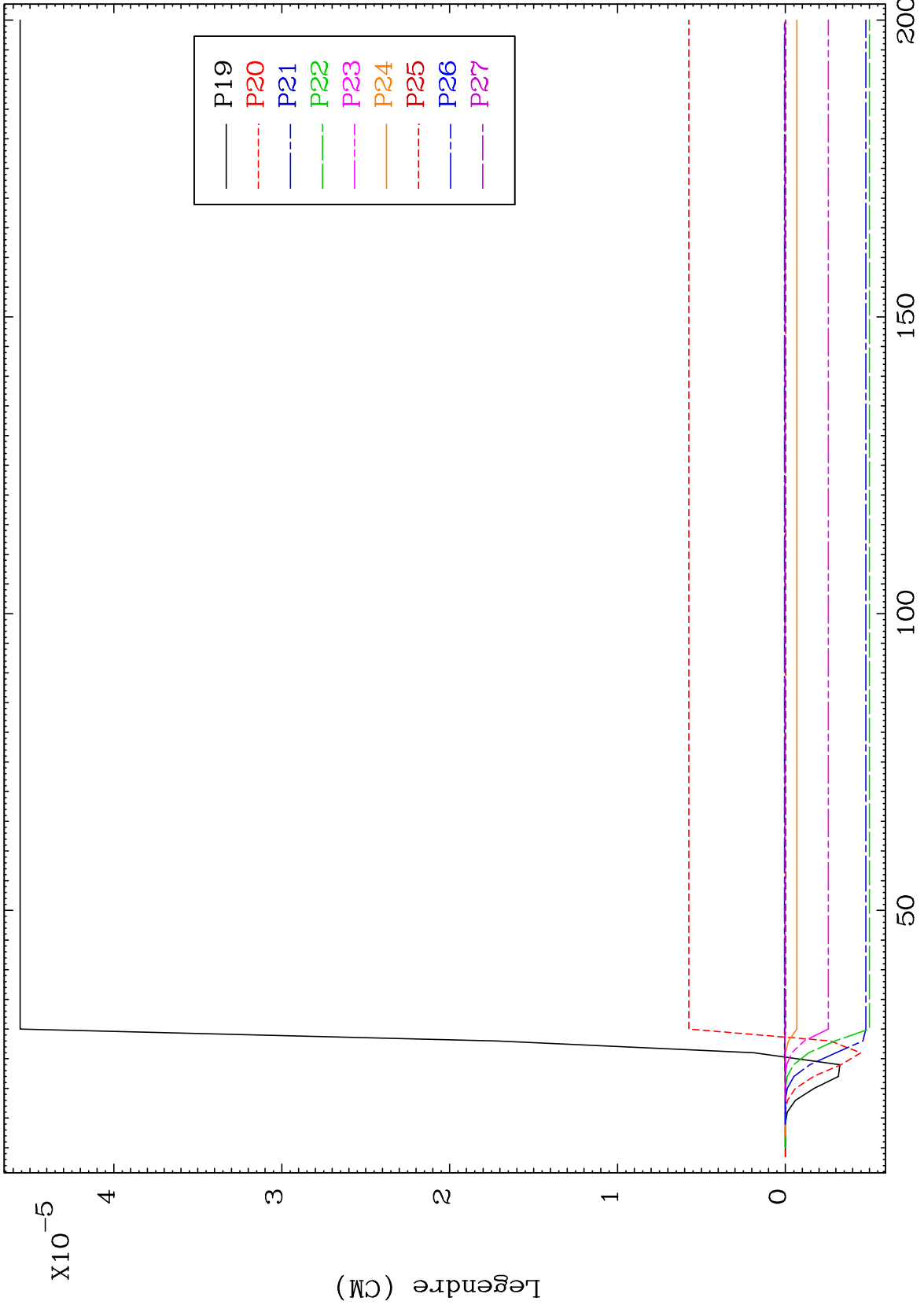
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



88

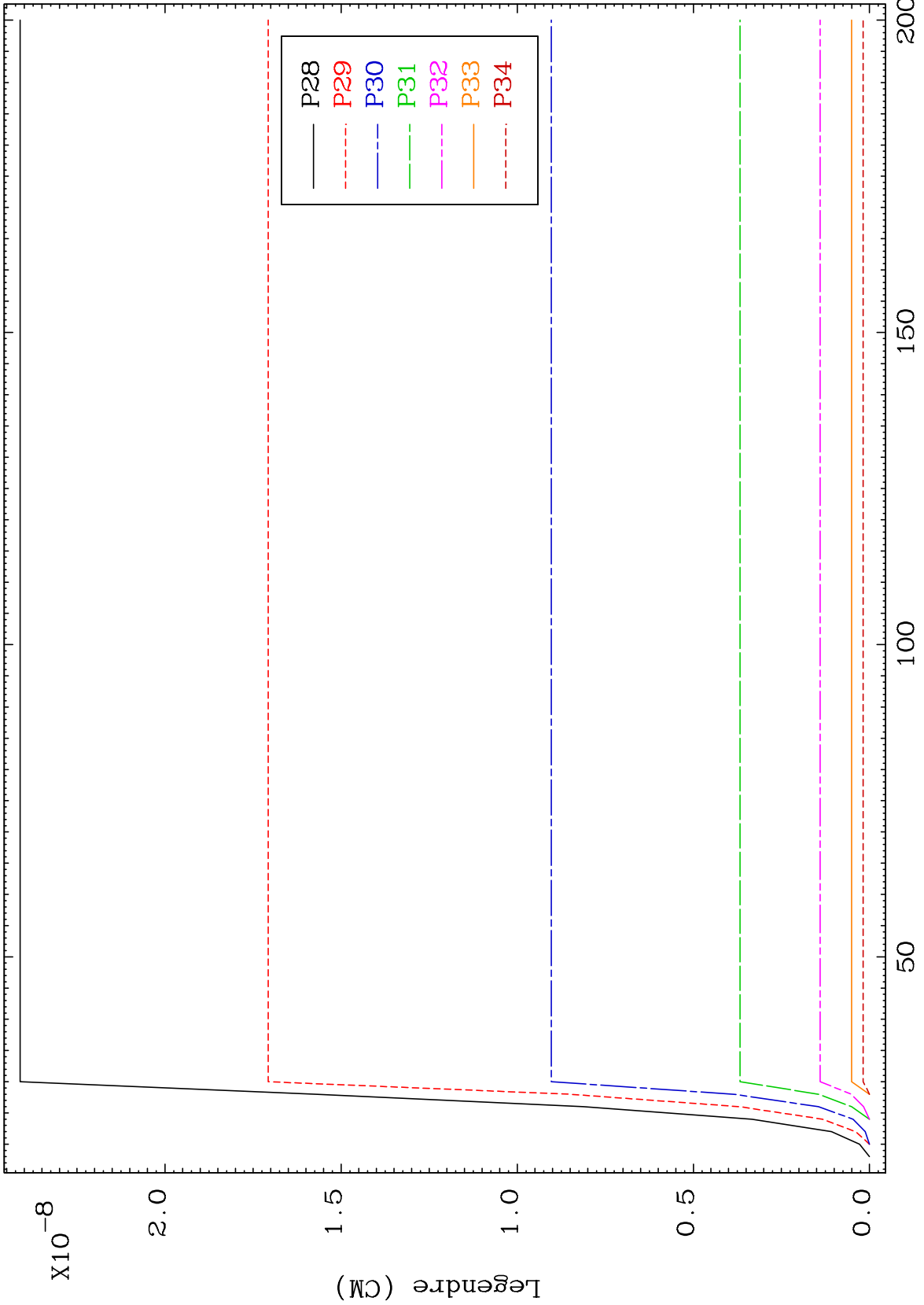
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



89

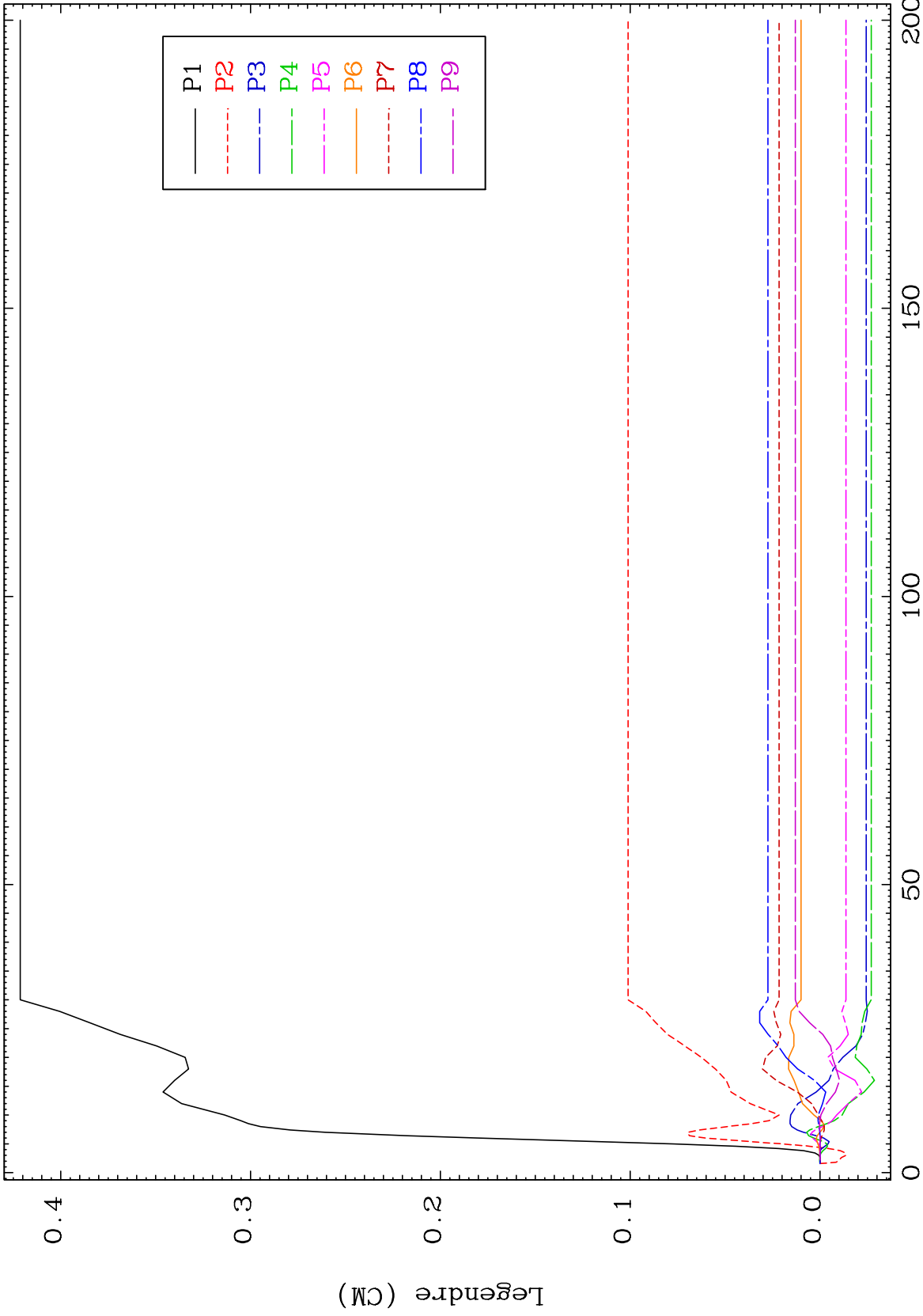
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138

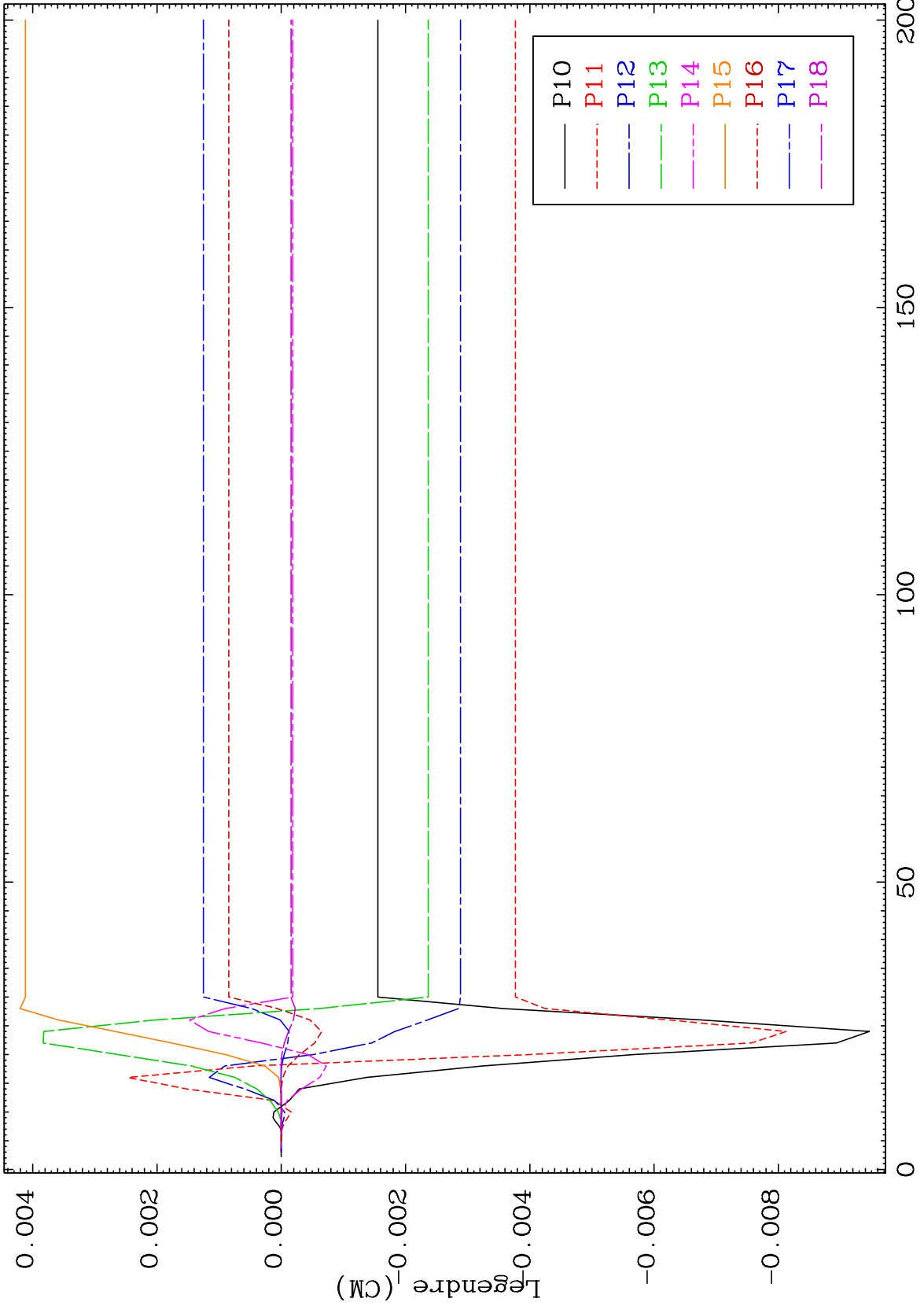


90

Incident Energy (MeV)

55-Cs-138

MAT 5540 MT= 71 (n,n') Level Legendre Coefficients 55-Cs-138

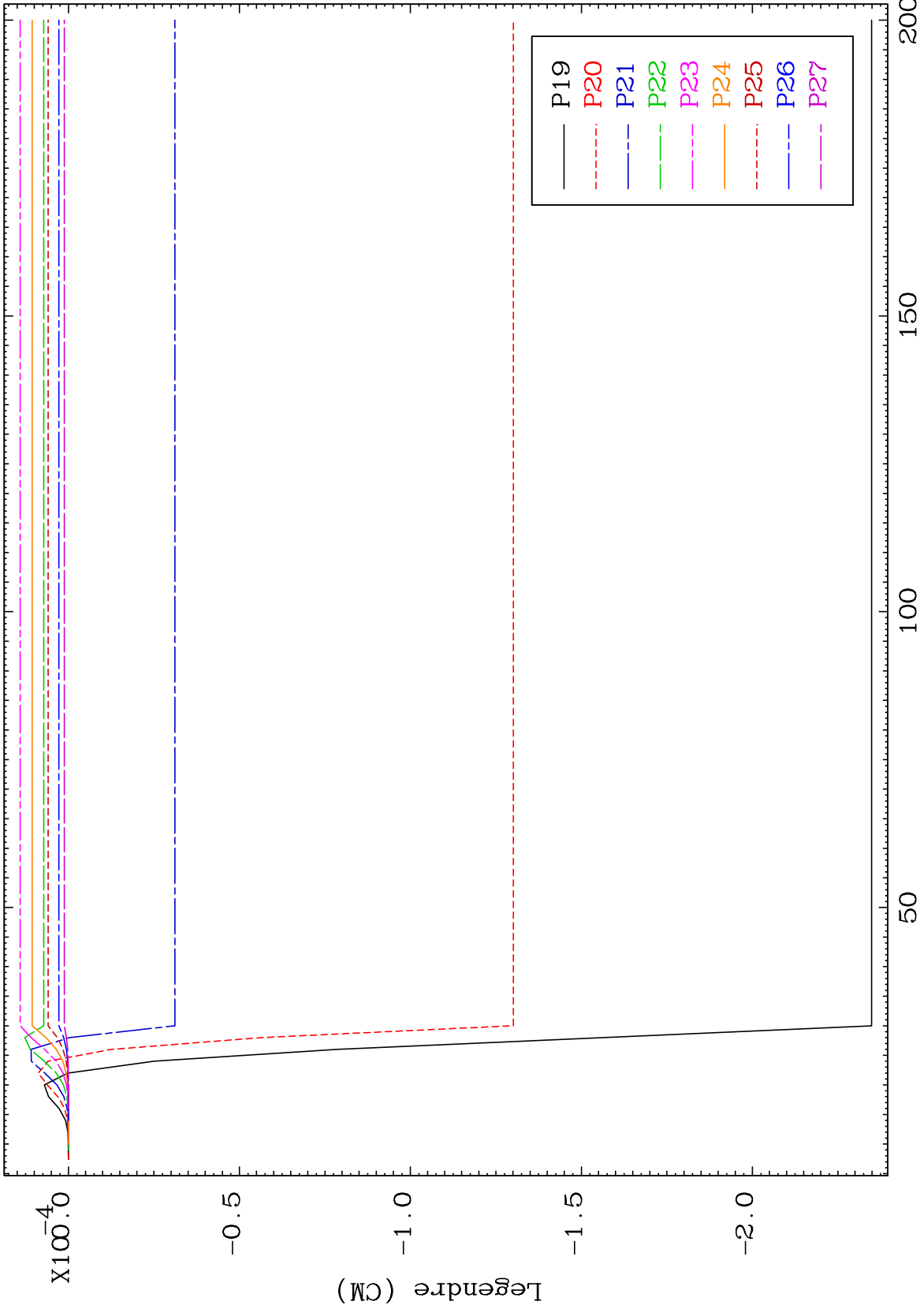


91 55-Cs-138

MAT 5540

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

55-Cs-138



55-Cs-138

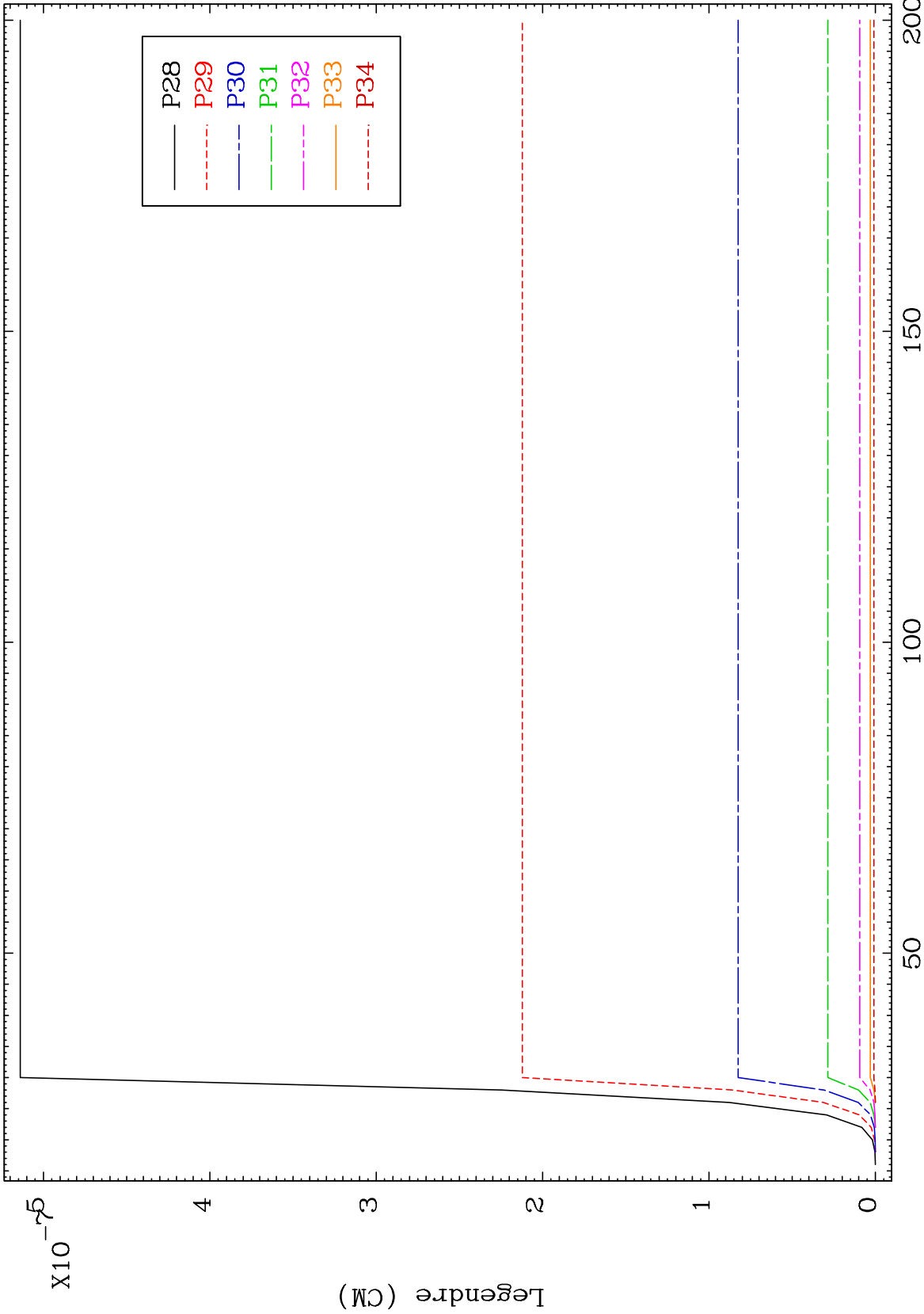
Incident Energy (MeV)

92

MAT 5540

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

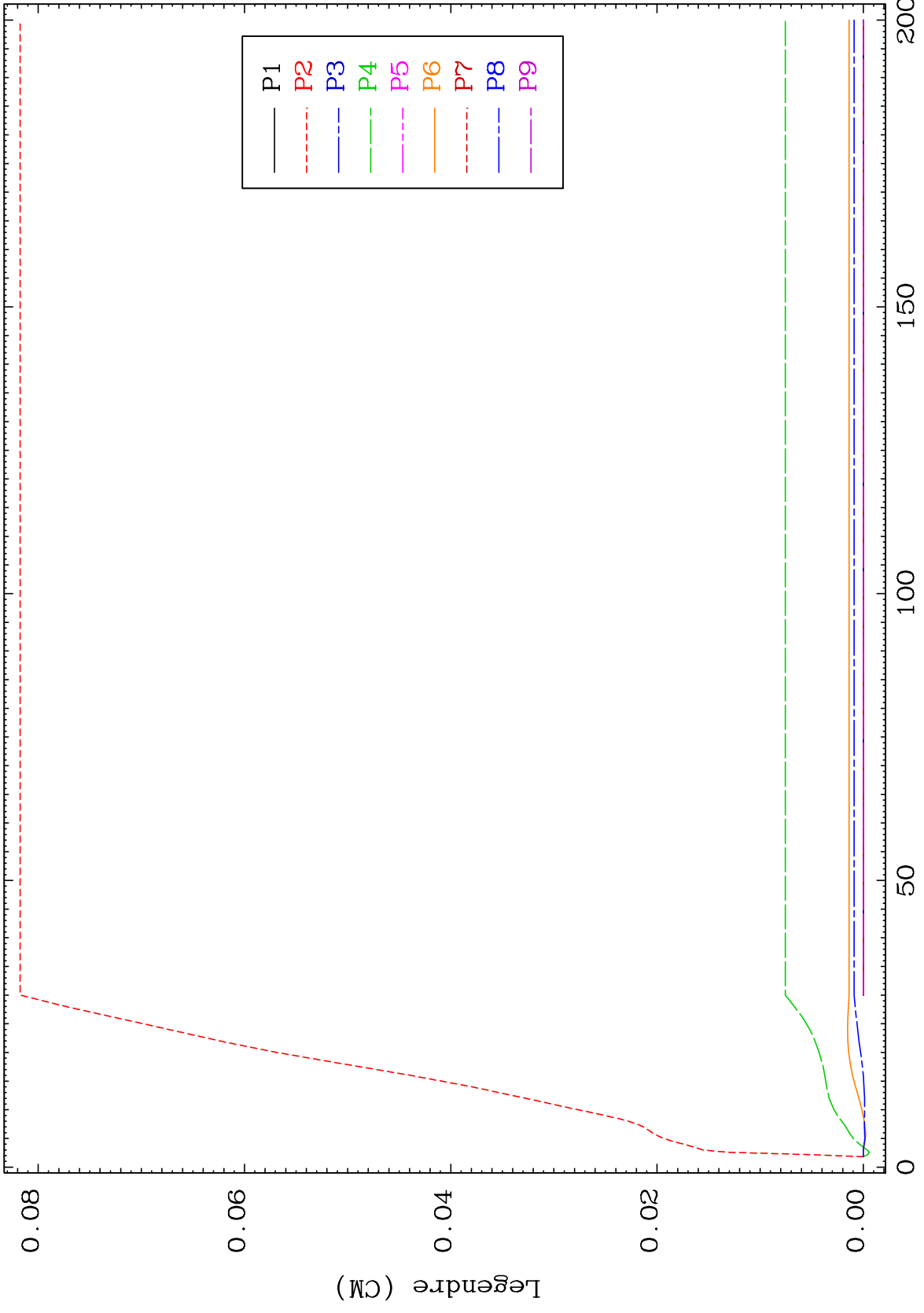
55-Cs-138



93

55-Cs-138

MAT 5540 MT= 72 (n,n') Level Legendre Coefficients 55-Cs-138

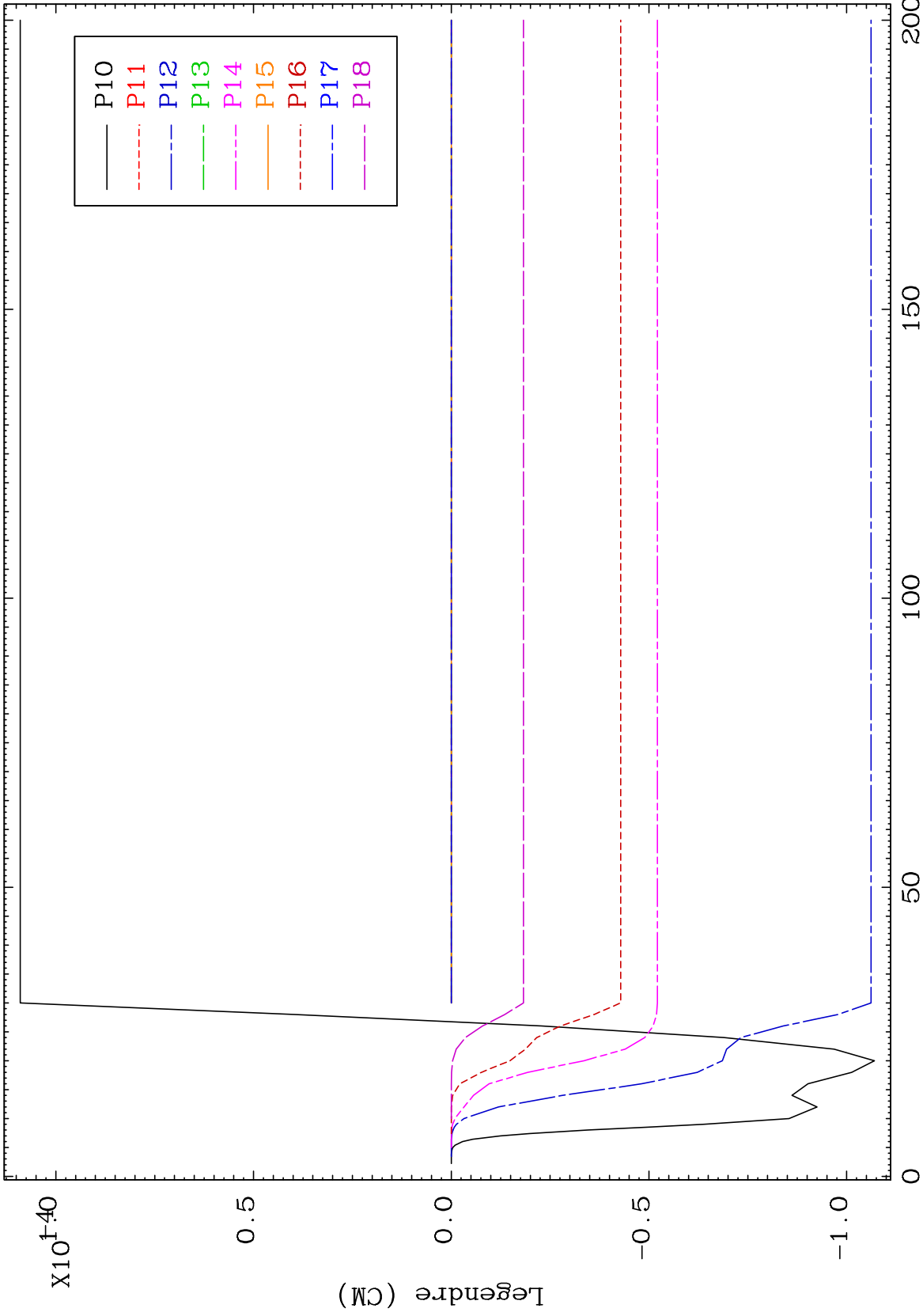


94 55-Cs-138

MAT 5540

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

55-Cs-138



95

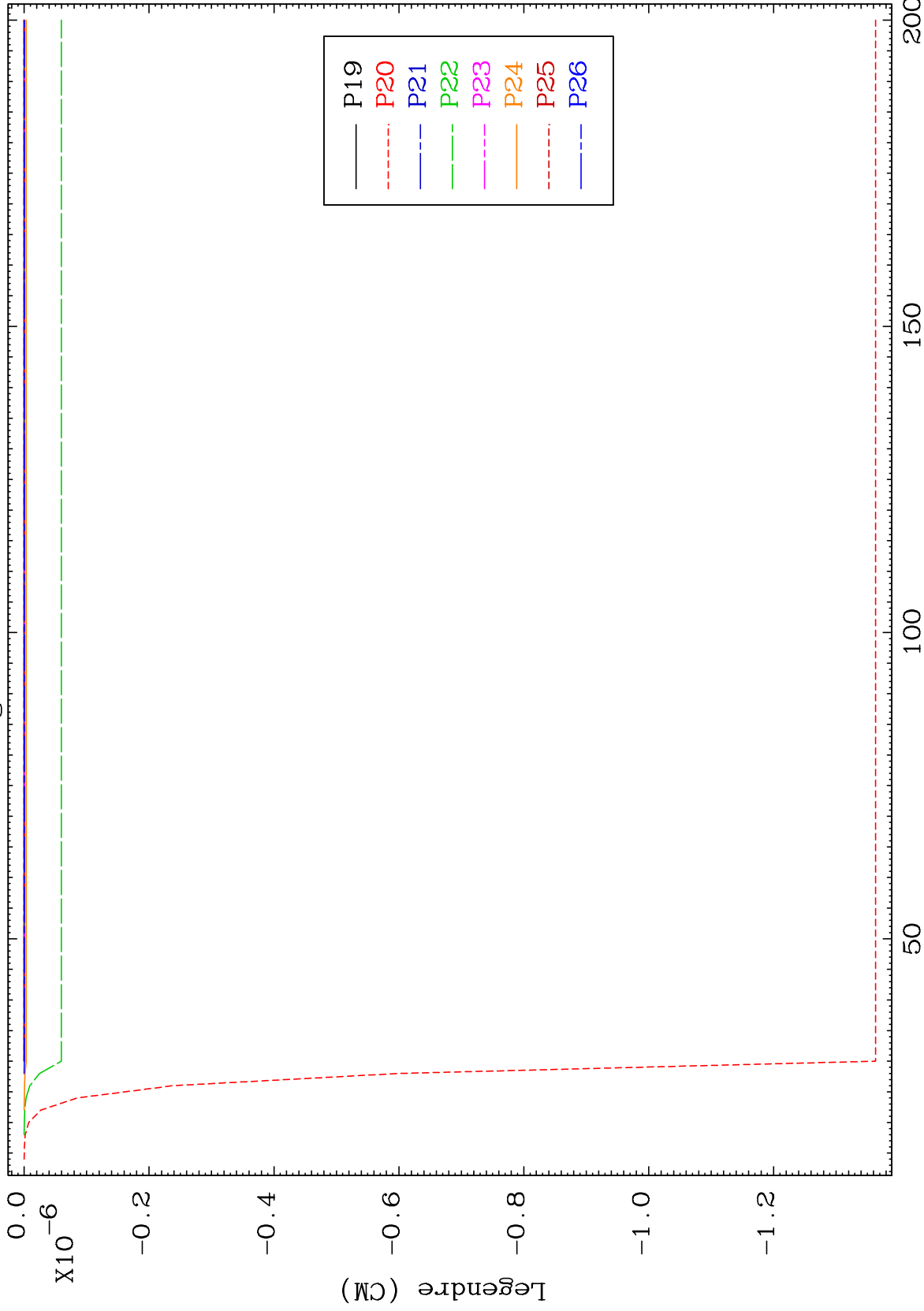
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138

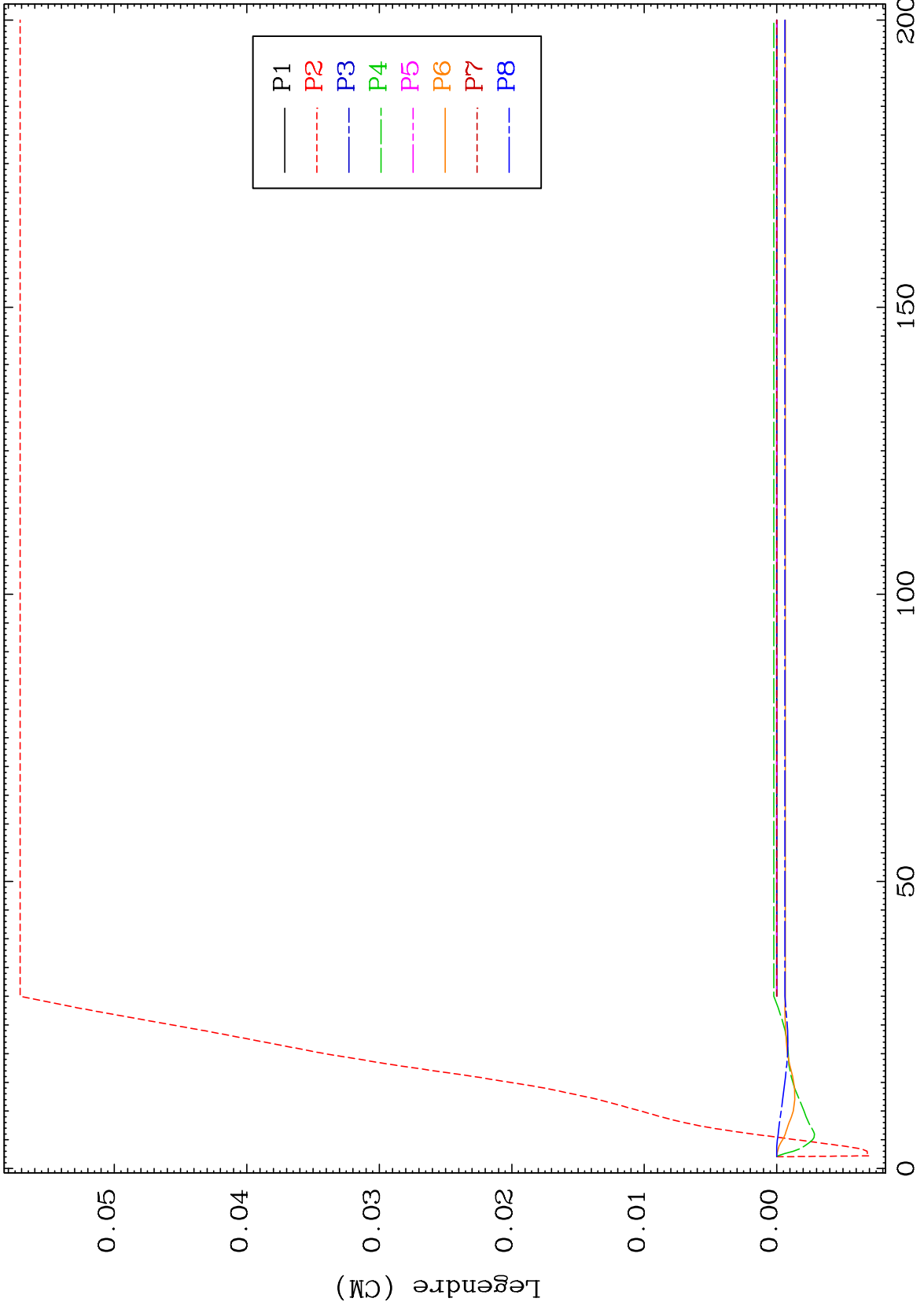


96

Incident Energy (MeV)

55-Cs-138

MAT 5540 MT= 73 (n,n') Level Legendre Coefficients 55-Cs-138

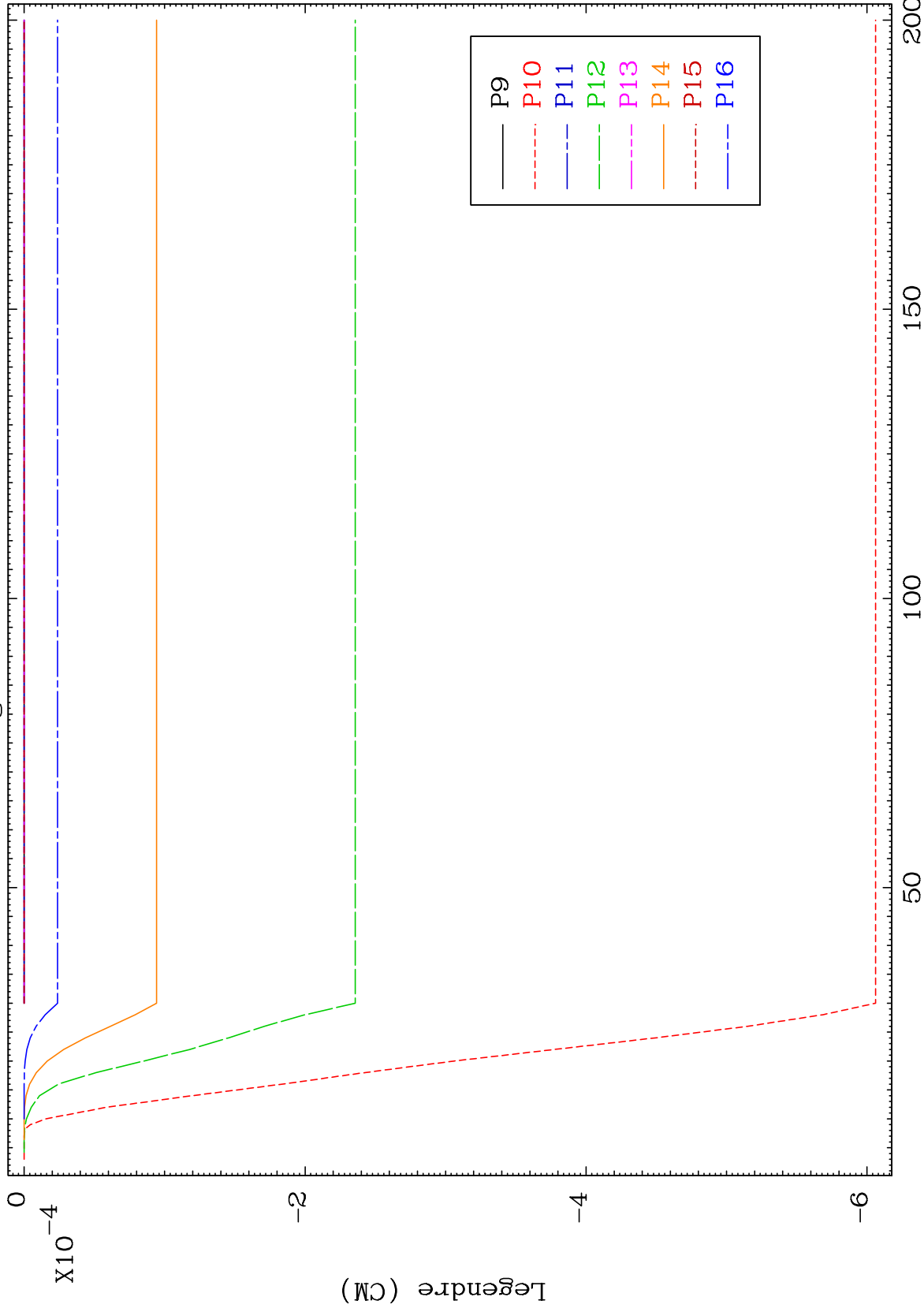


97 55-Cs-138

MAT 5540

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

55-Cs-138



98

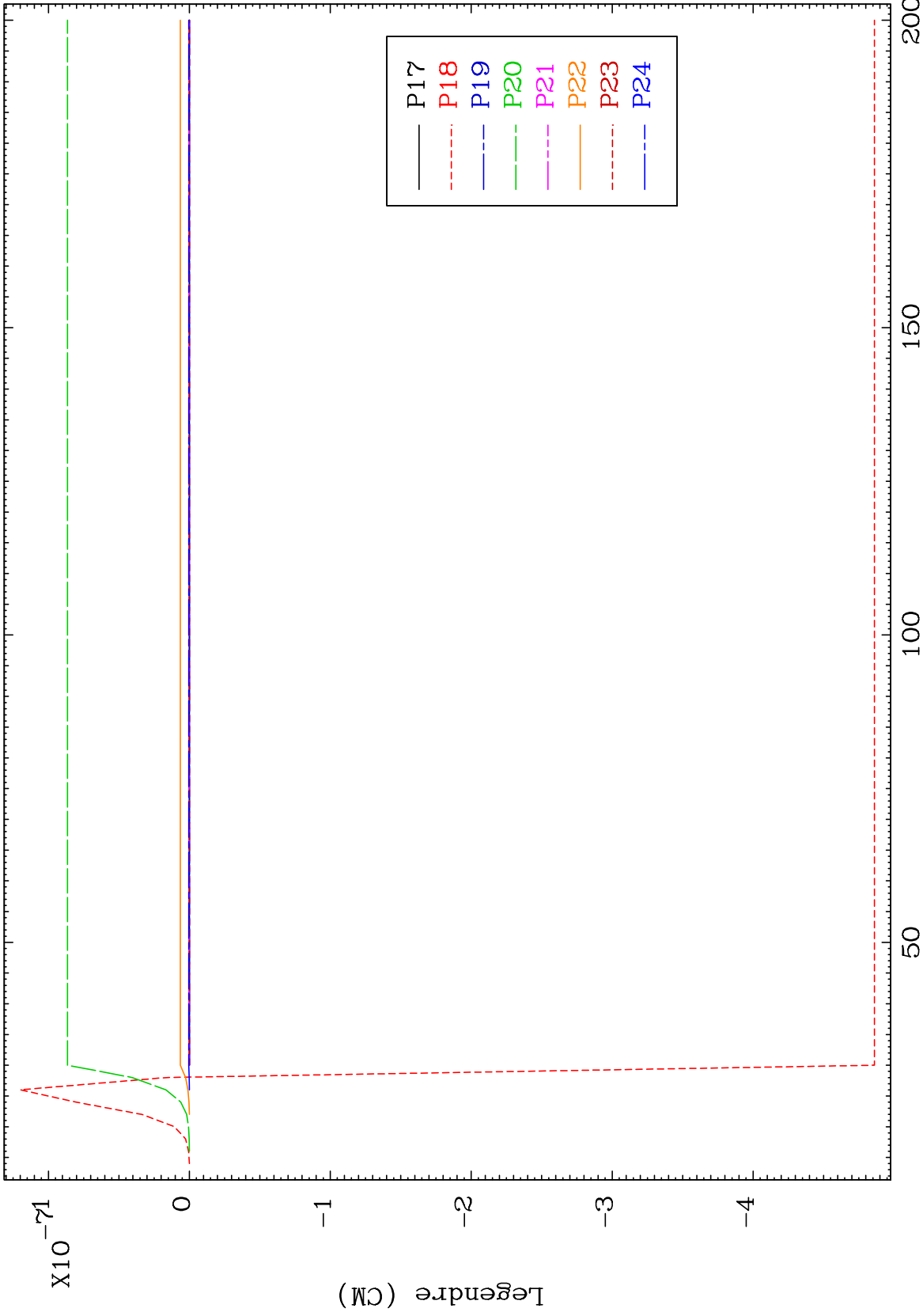
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138

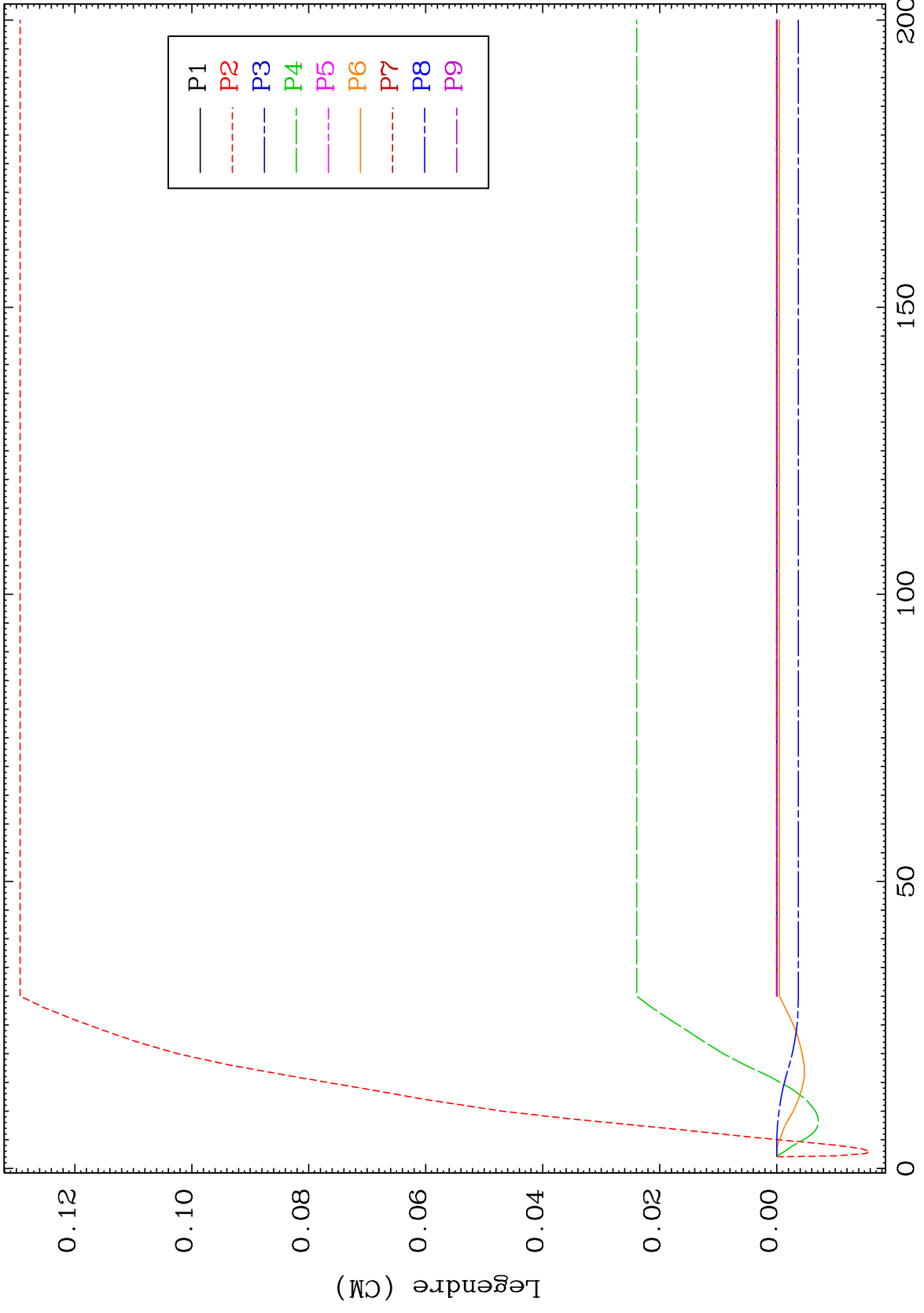


99

Incident Energy (MeV)

55-Cs-138

MAT 5540 MT= 74 (n,n') Level Legendre Coefficients 55-Cs-138



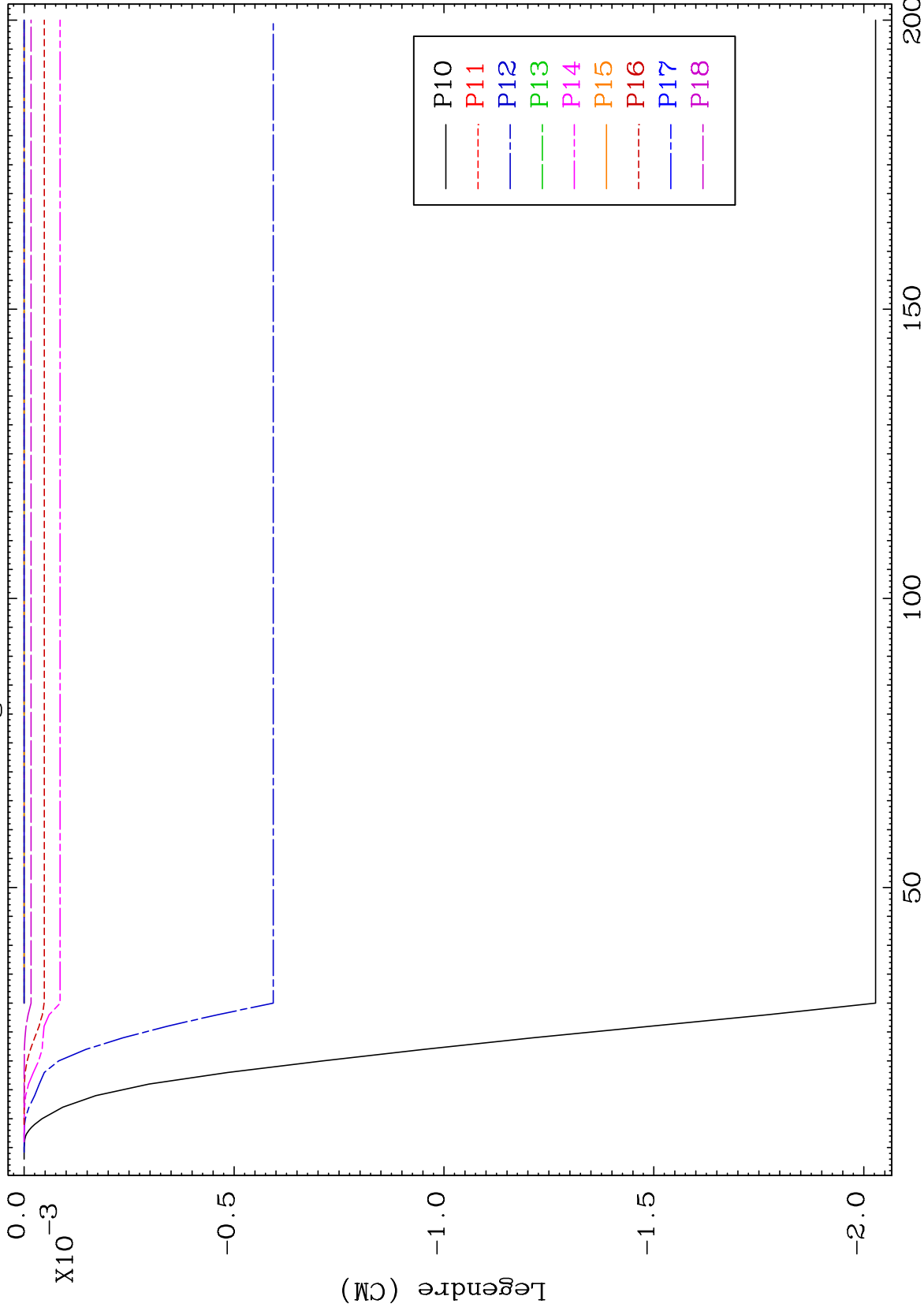
55-Cs-138

MAT 5540

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

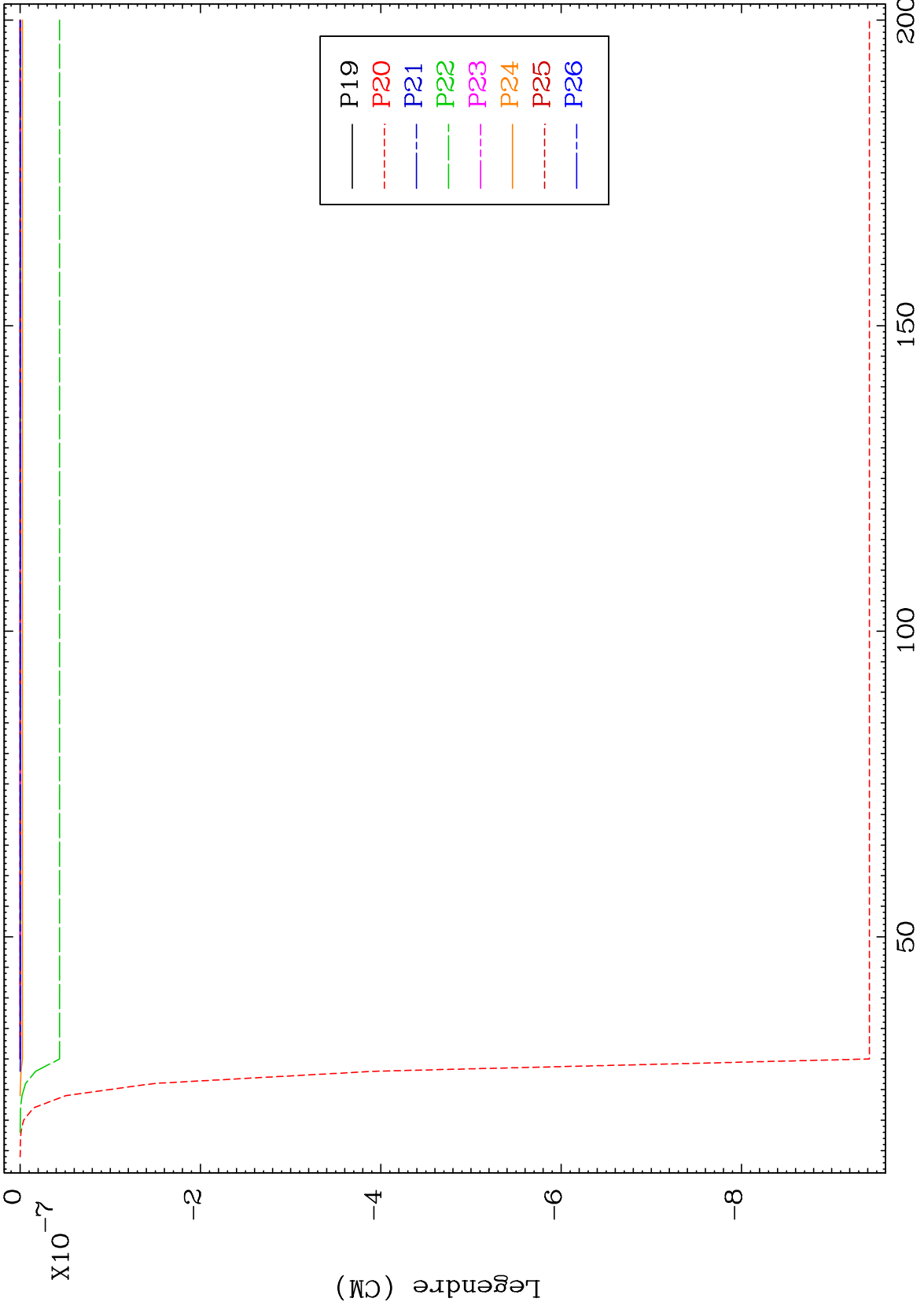
55-Cs-138

55-Cs-138



101

MAT 5540 MT= 74 (n,n') Level Legendre Coefficients 55-Cs-138

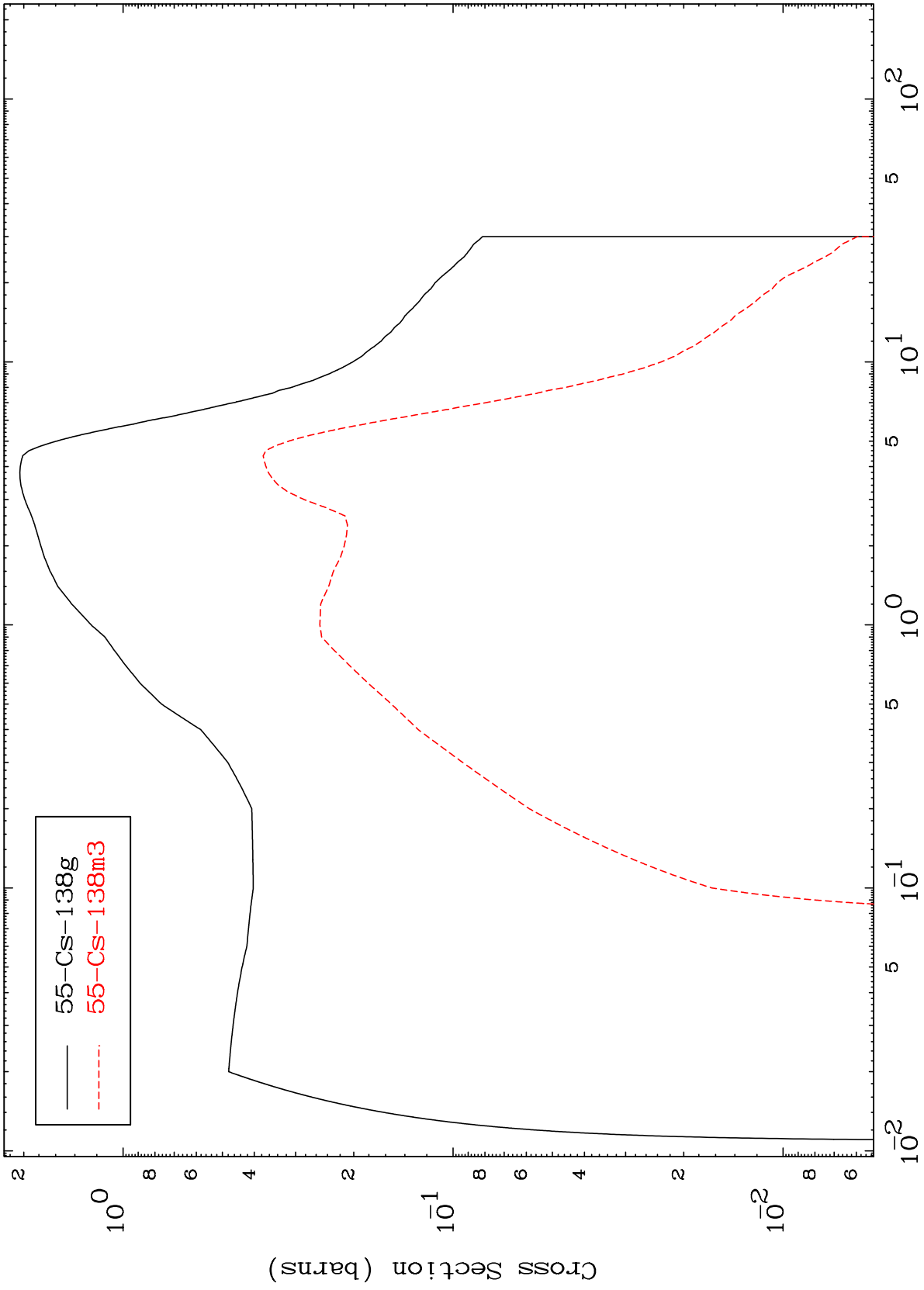


102 55-Cs-138

MAT 5540

Inelastic
Radionuclide Production Cross Section

55-Cs-138



103

Incident Energy (MeV)

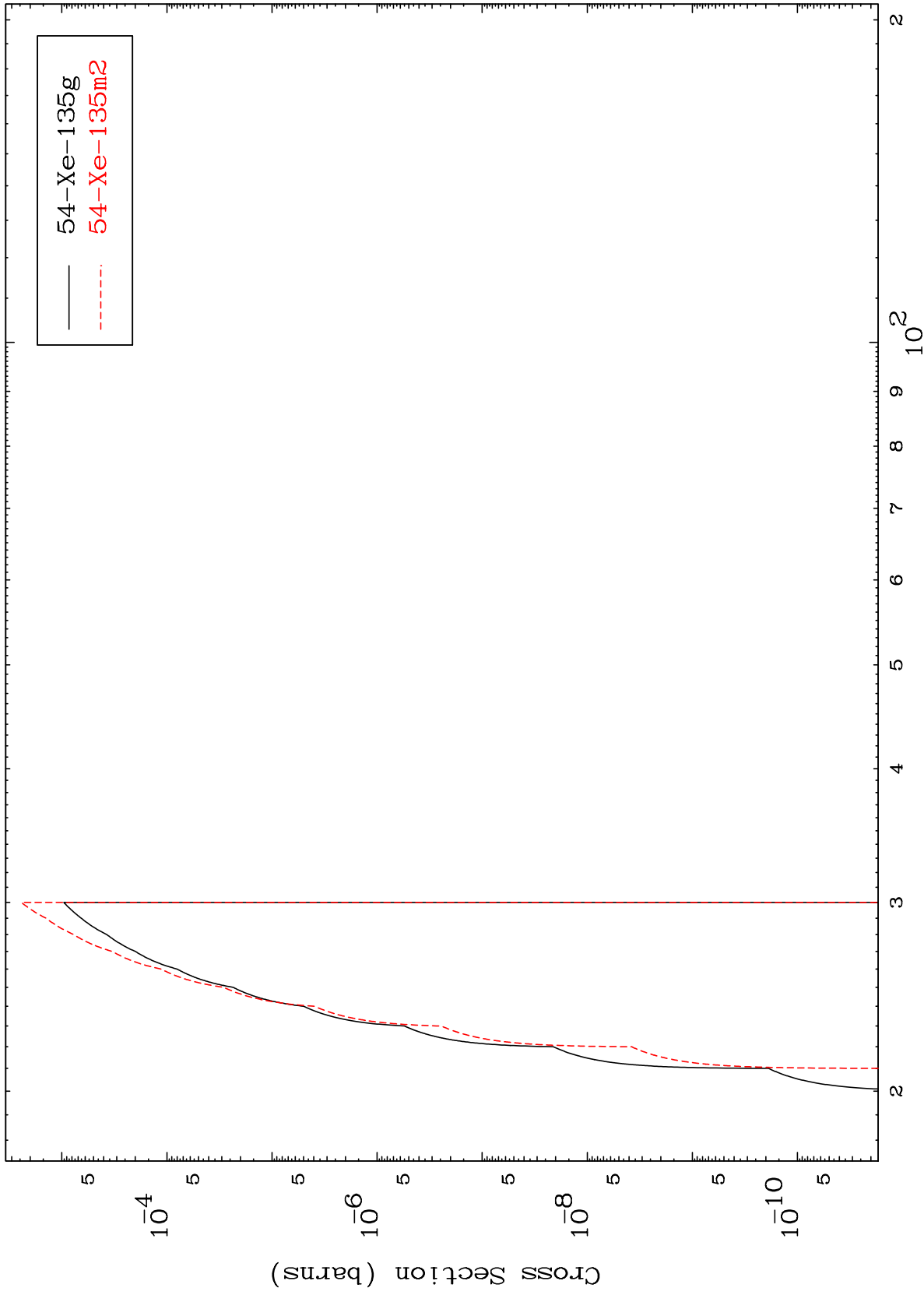
55-Cs-138

MAT 5540

(n,2n) d

55-Cs-138

Radionuclide Production Cross Section

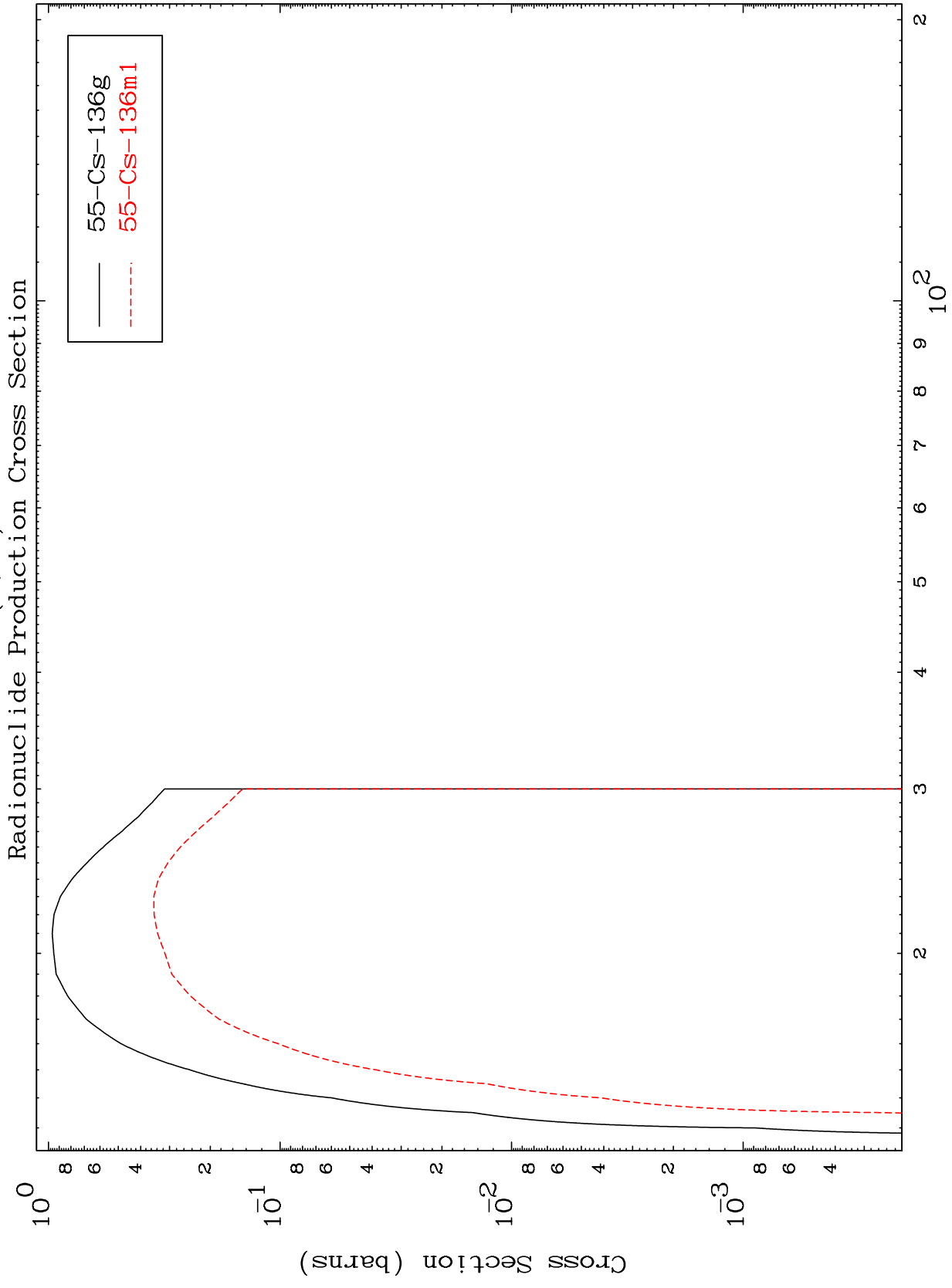


104

Incident Energy (MeV)

55-Cs-138

MAT 5540 (n,3n) 55-Cs-138

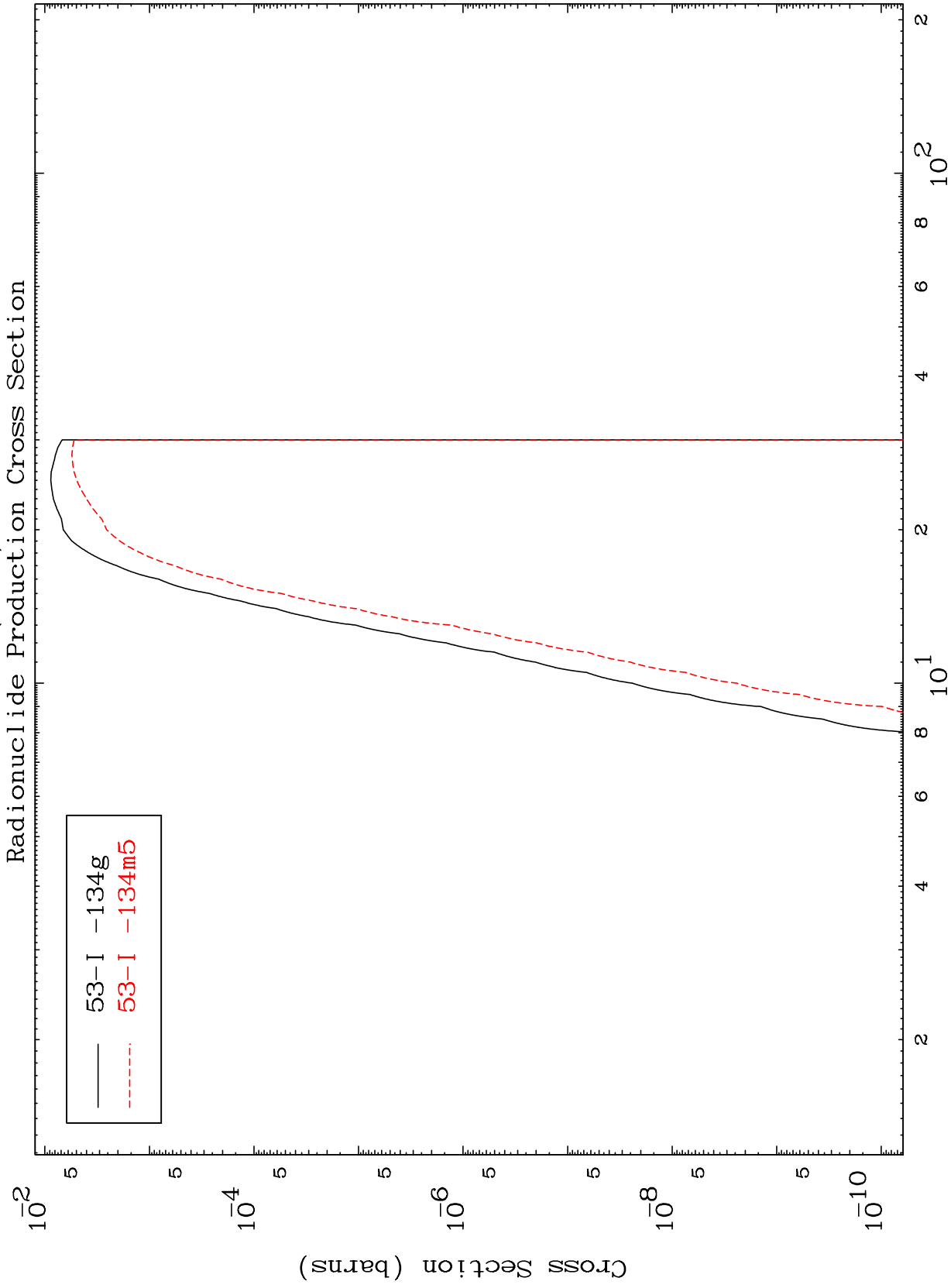


105 55-Cs-138

MAT 5540

(n,n') α

55-Cs-138



106

Incident Energy (MeV)

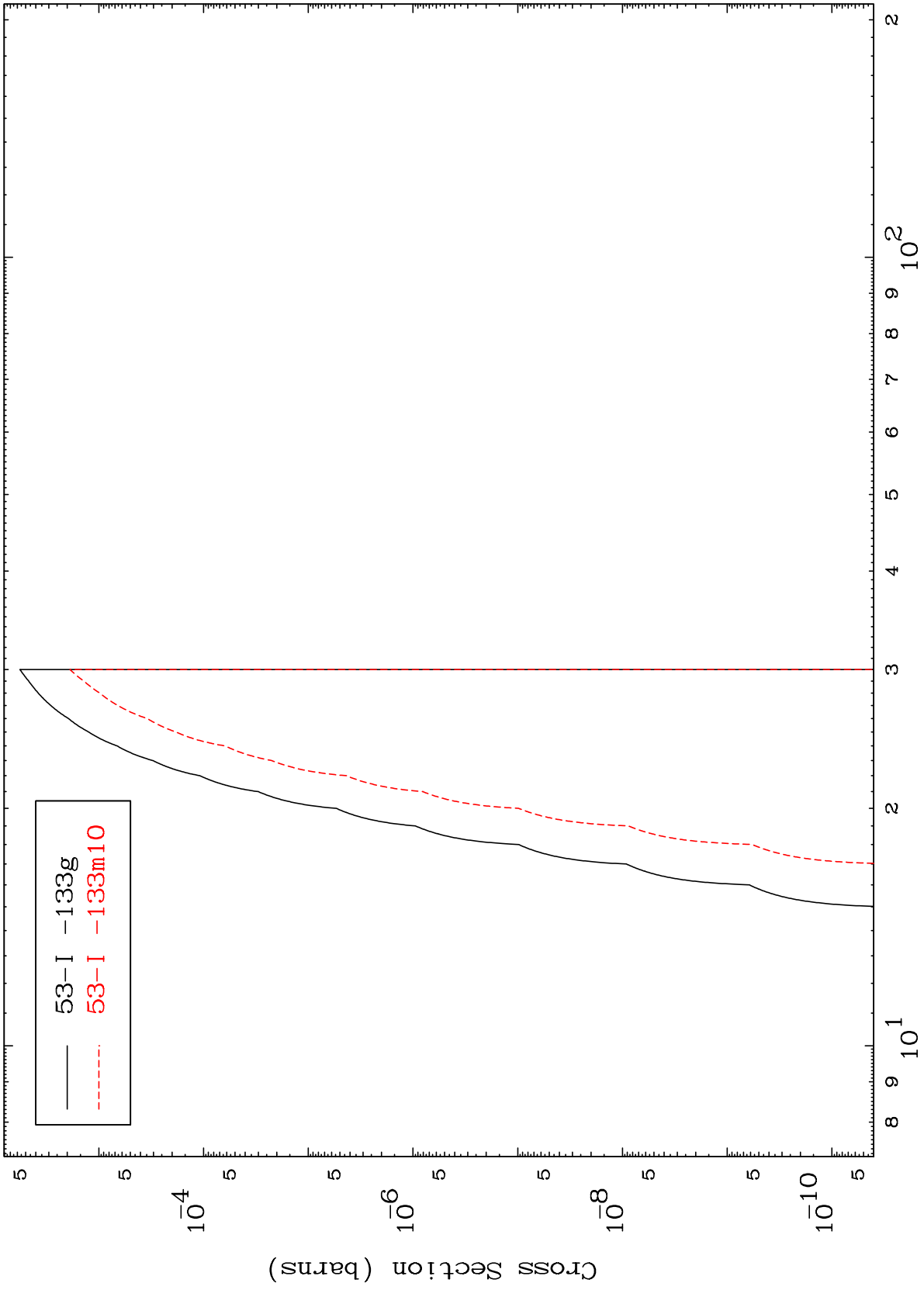
55-Cs-138

MAT 5540

(n,2n) α

55-Cs-138

Radionuclide Production Cross Section



53-I -133g
53-I -133m10

107

Incident Energy (MeV)

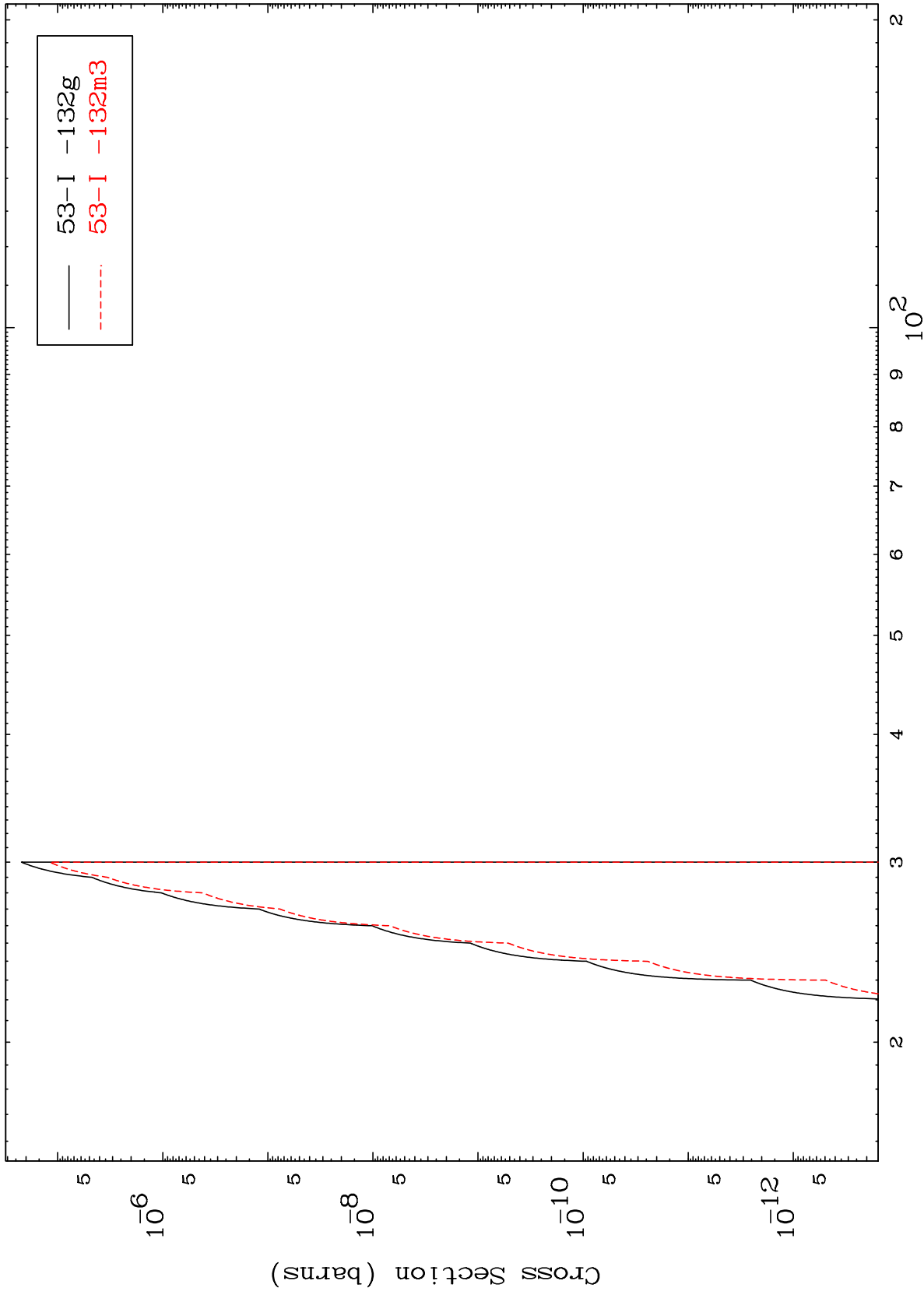
55-Cs-138

MAT 5540

(n,3n) α

55-Cs-138

Radionuclide Production Cross Section



108

Incident Energy (MeV)

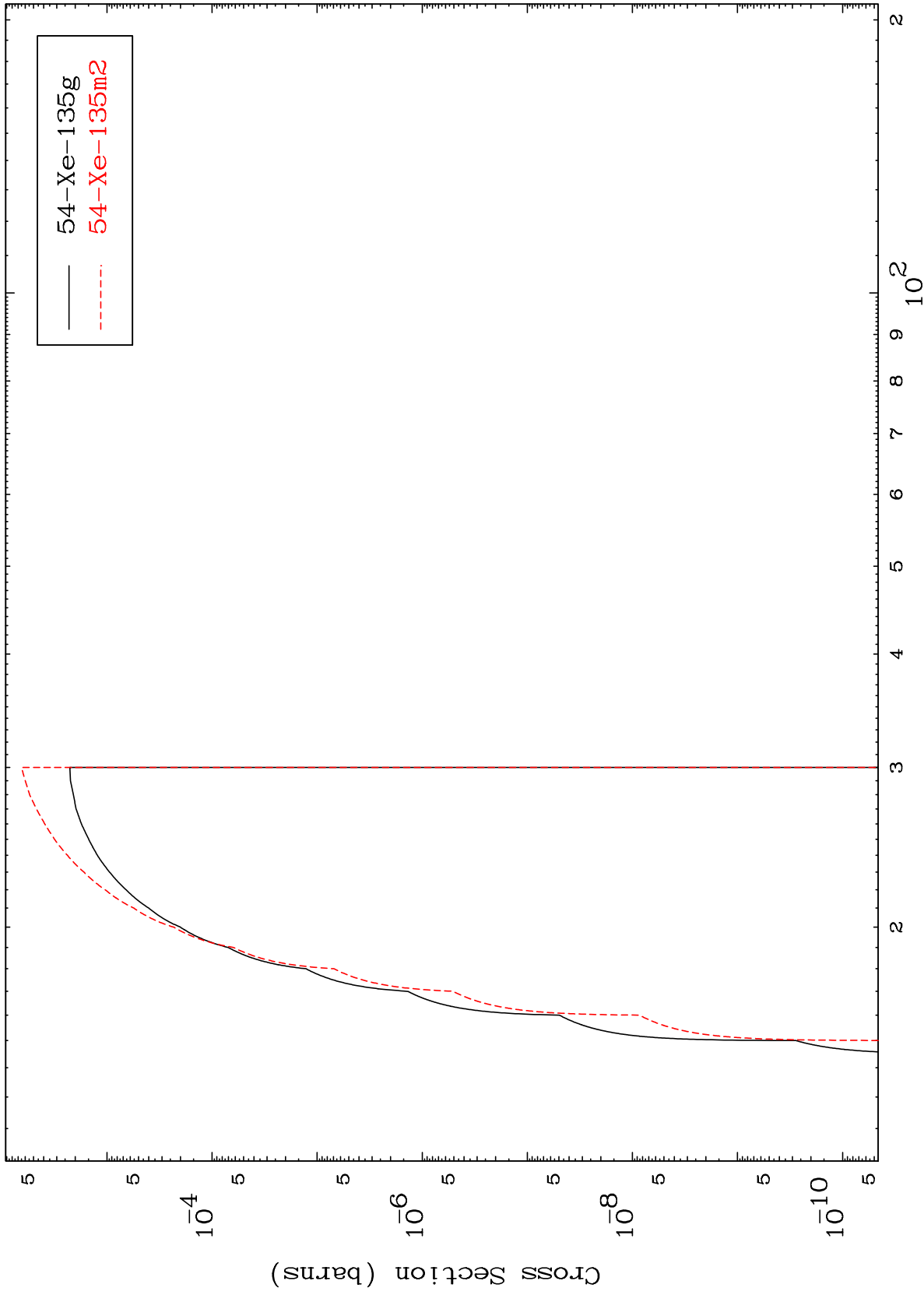
55-Cs-138

MAT 5540

(n,n') t

55-Cs-138

Radionuclide Production Cross Section



109

Incident Energy (MeV)

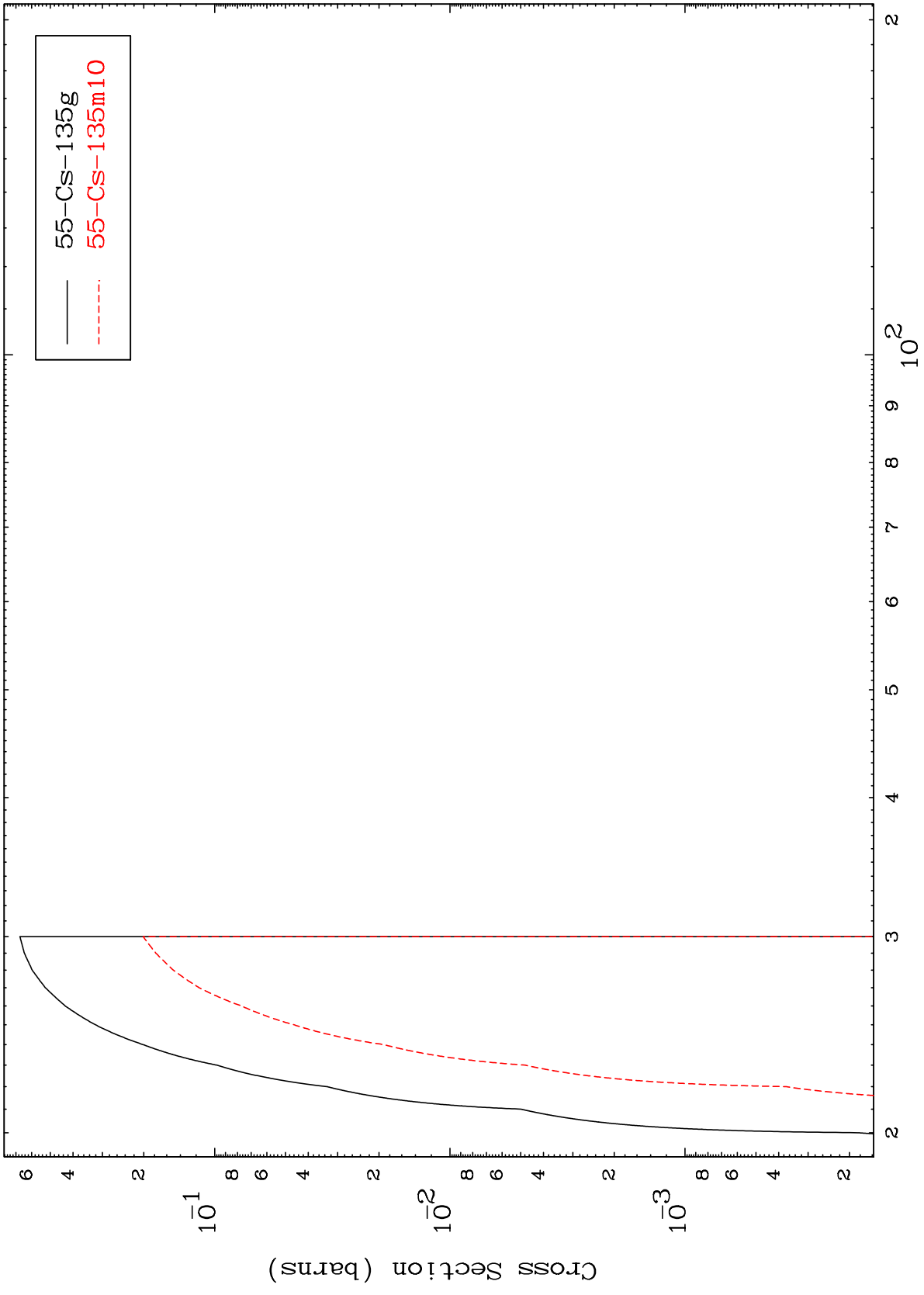
55-Cs-138

MAT 5540

(n,4n)

55-Cs-138

Radionuclide Production Cross Section



110

Incident Energy (MeV)

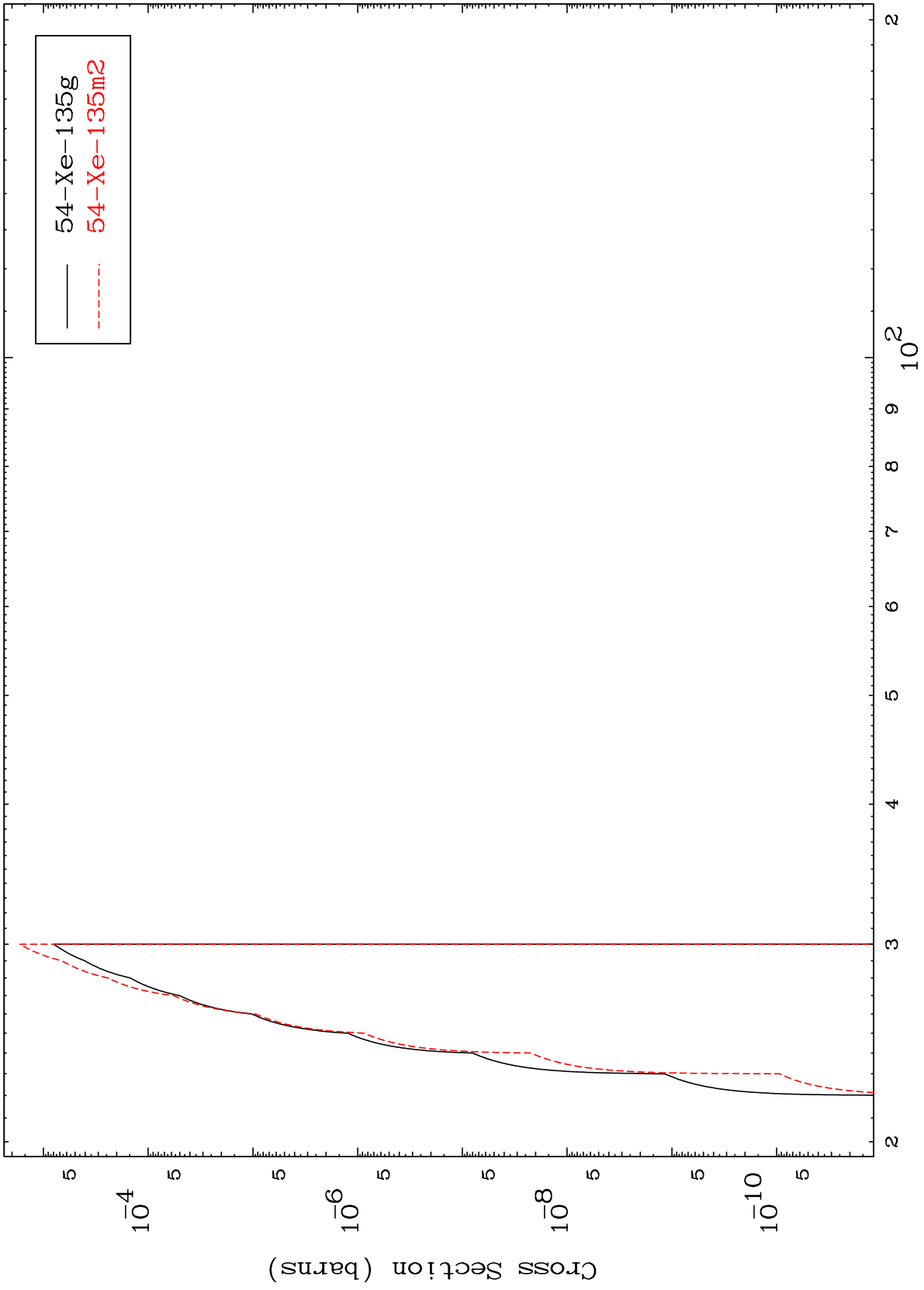
55-Cs-138

MAT 5540

(n,3n) p

55-Cs-138

Radionuclide Production Cross Section



111

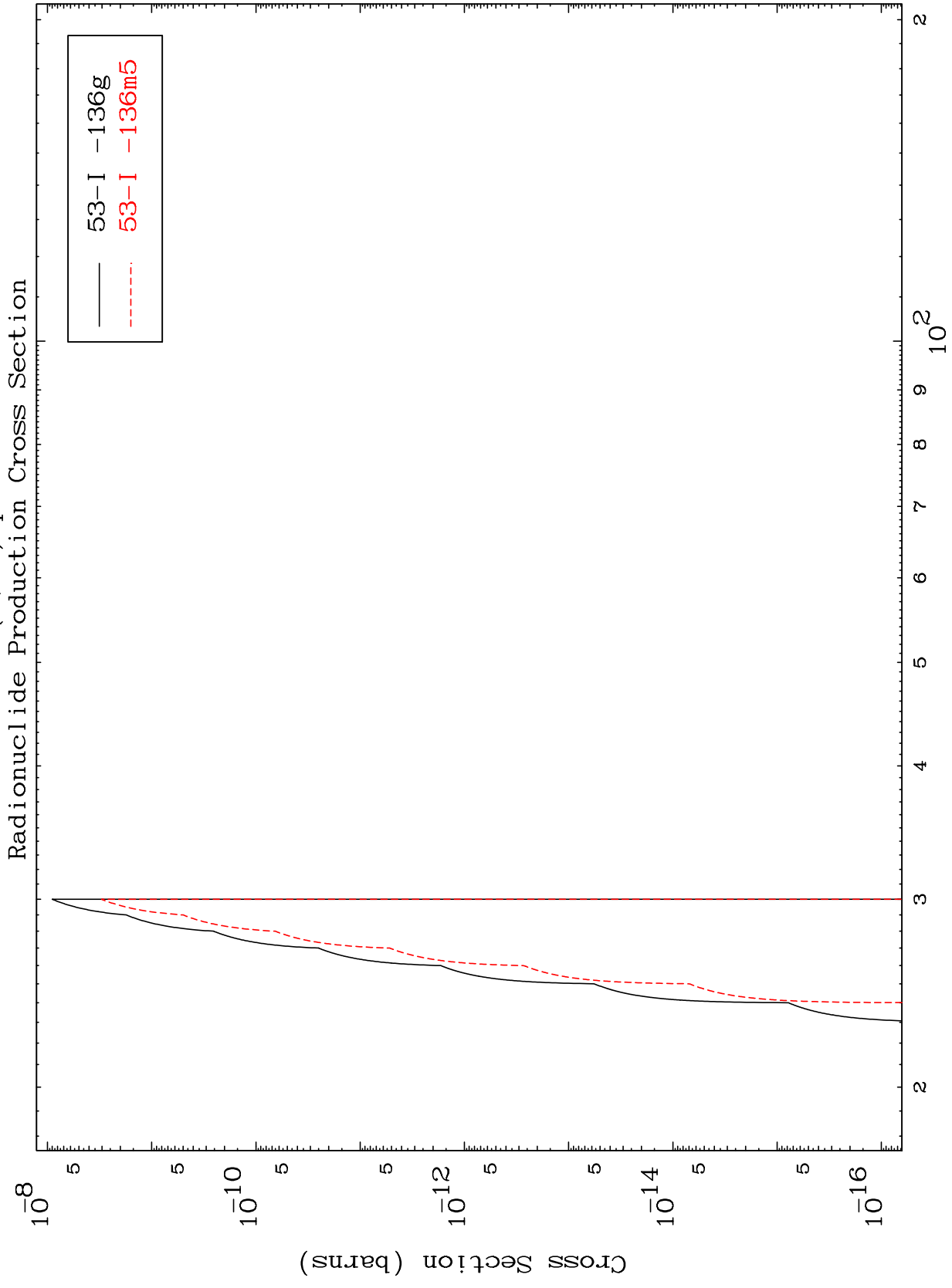
Incident Energy (MeV)

55-Cs-138

MAT 5540

(n,2n) p

55-Cs-138



112

Incident Energy (MeV)

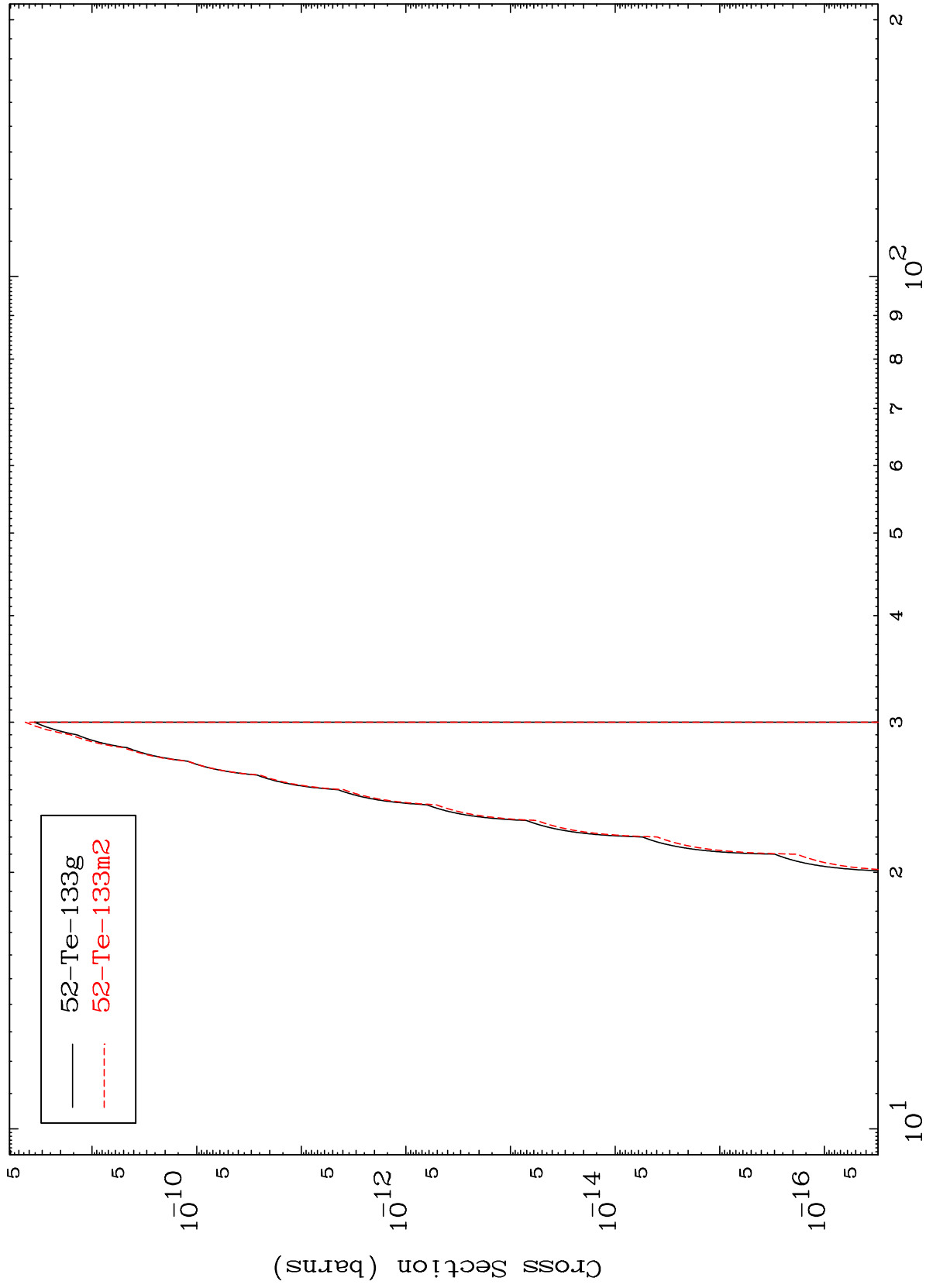
55-Cs-138

MAT 5540

(n,n') p α

55-Cs-138

Radionuclide Production Cross Section



113

Incident Energy (MeV)

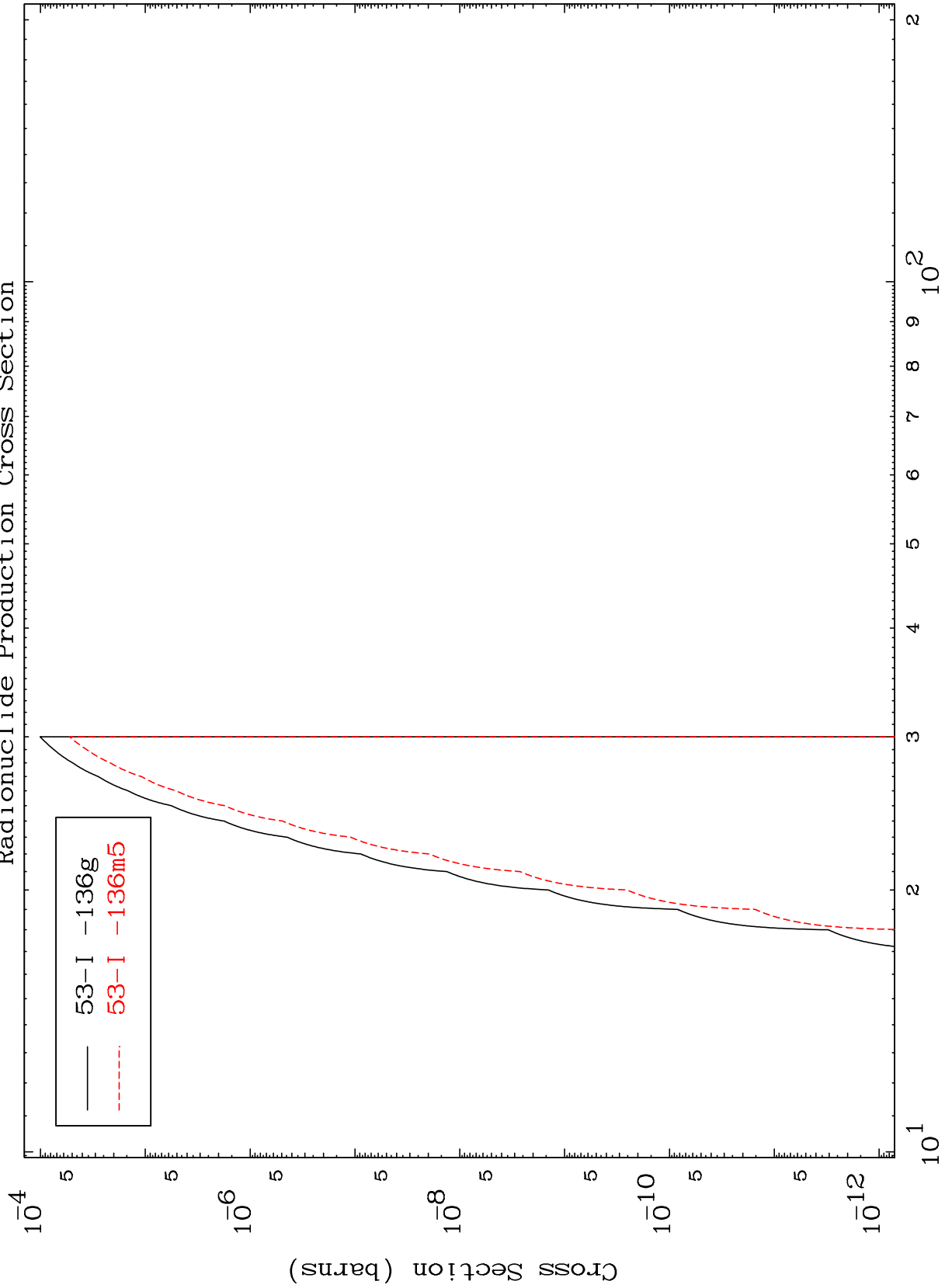
55-Cs-138

MAT 5540

(n, He-3)

55-Cs-138

Radionuclide Production Cross Section



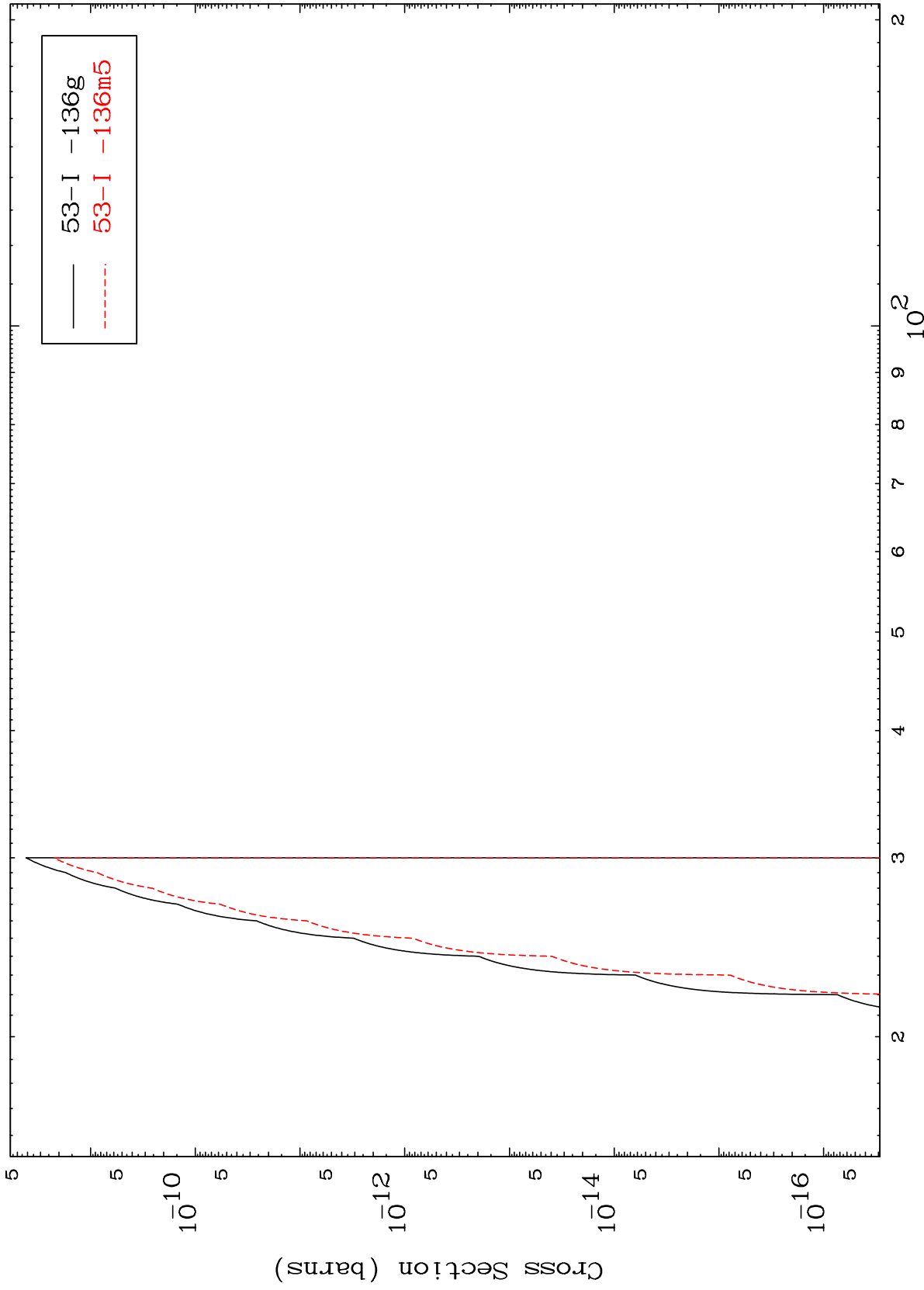
53-I-136g
53-I-136m5

114

Incident Energy (MeV)

55-Cs-138

Radionuclide Production Cross Section



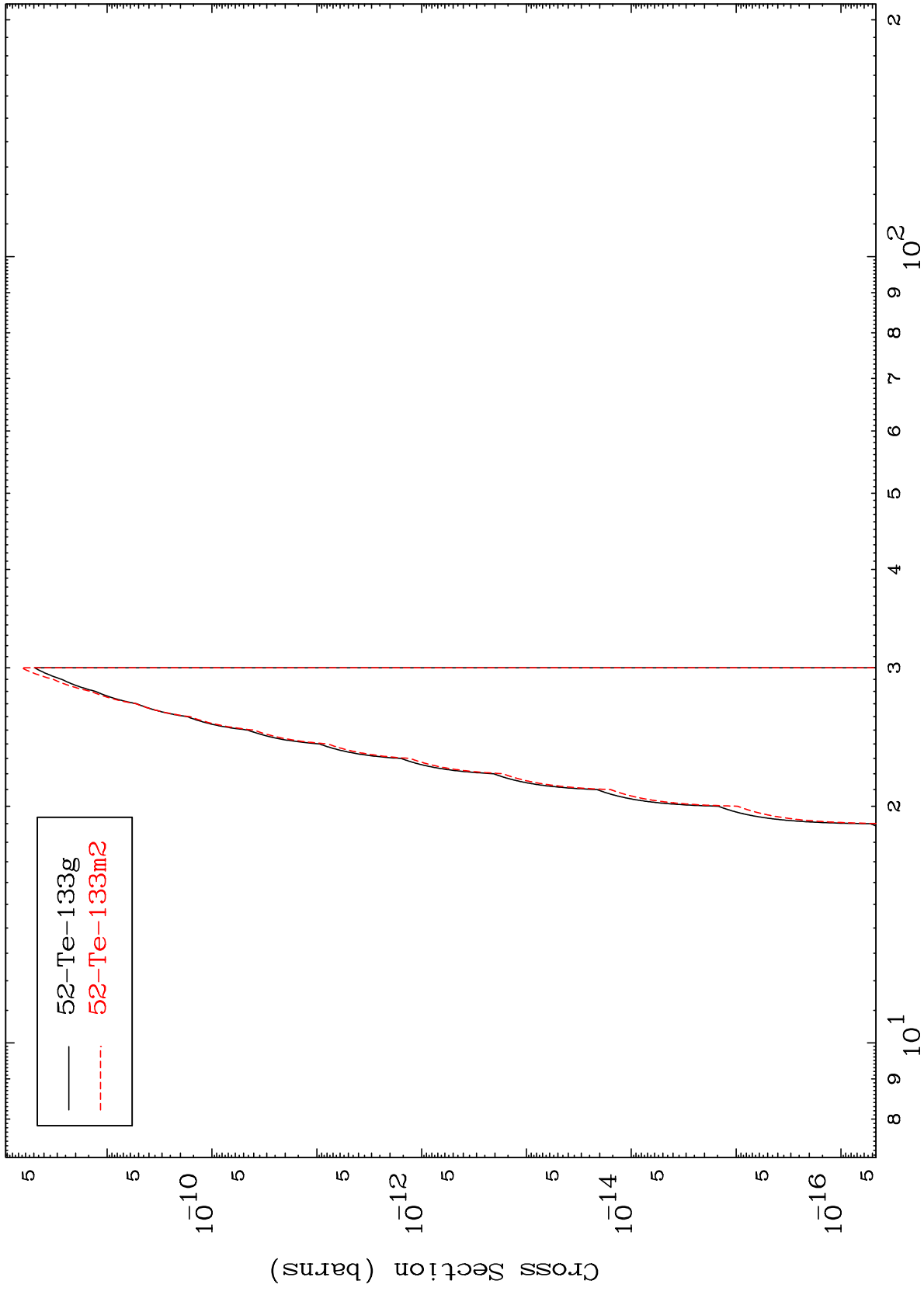
53-I -136g
53-I -136m5

MAT 5540

(n,d) α

55-Cs-138

Radionuclide Production Cross Section



116

Incident Energy (MeV)

55-Cs-138