

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

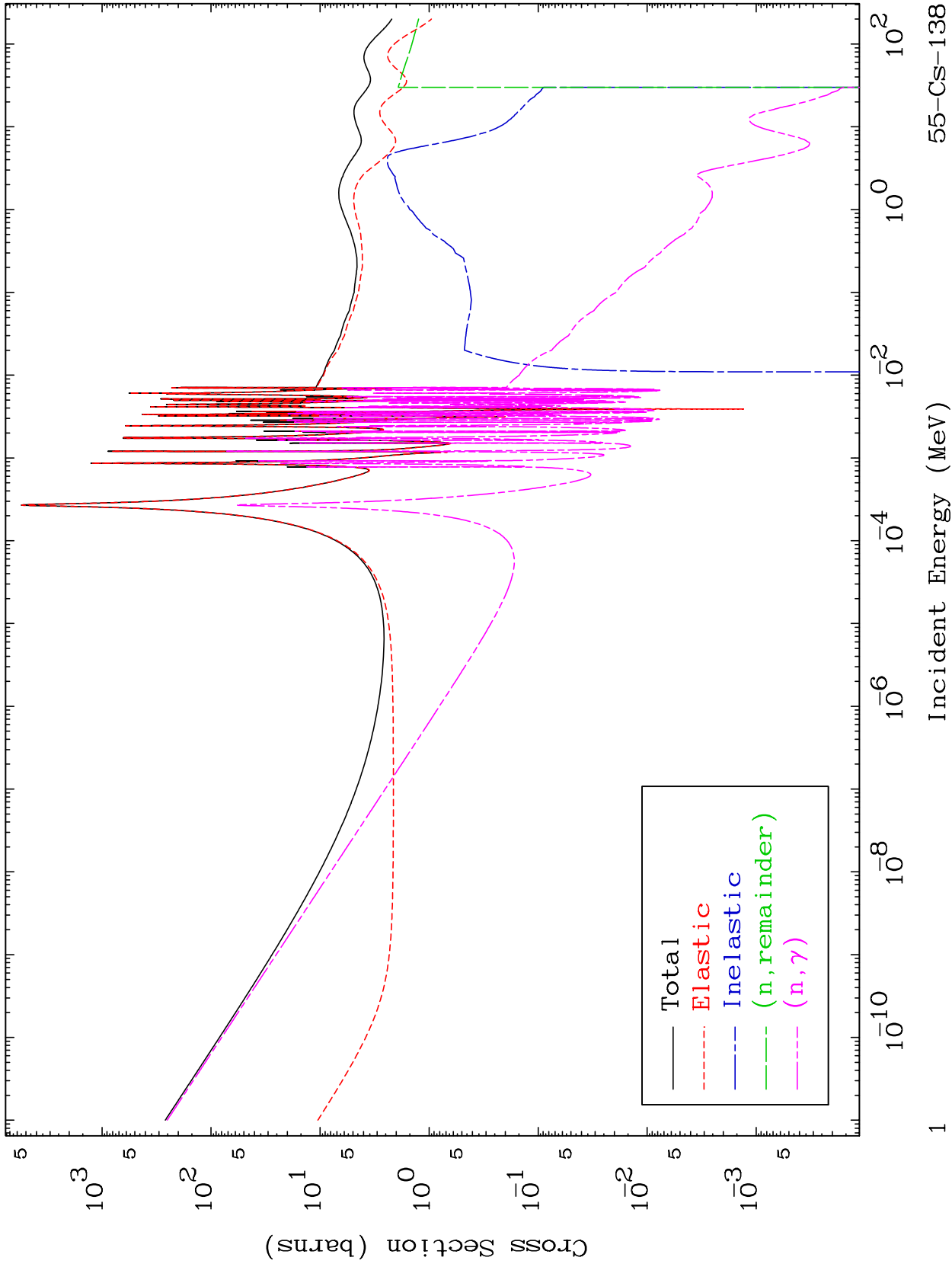
Press Mouse Button to Start

MAT 5540

Major

293 Kelvin Cross Sections

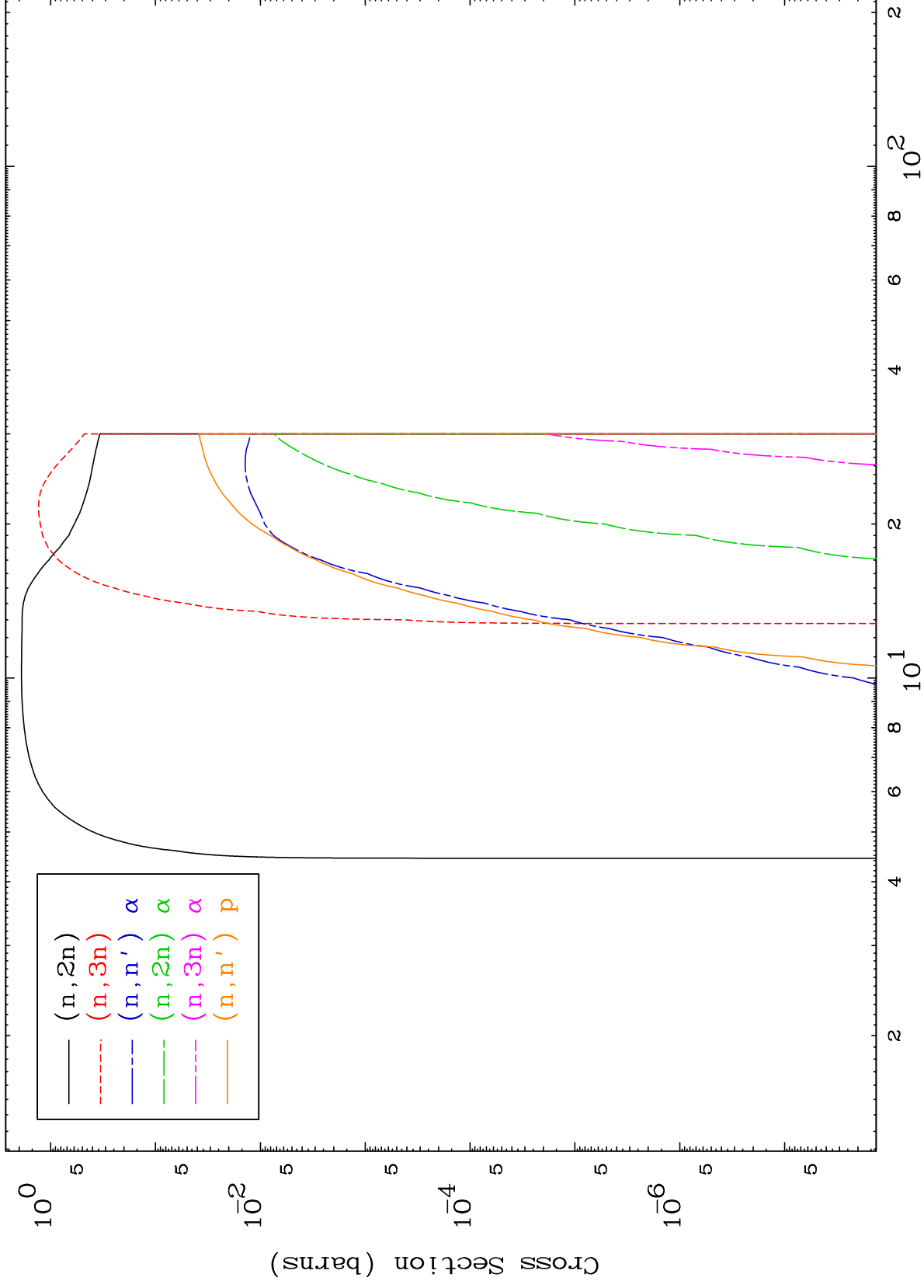
55-Cs-138



MAT 5540

Neutron Production
293 Kelvin Cross Sections

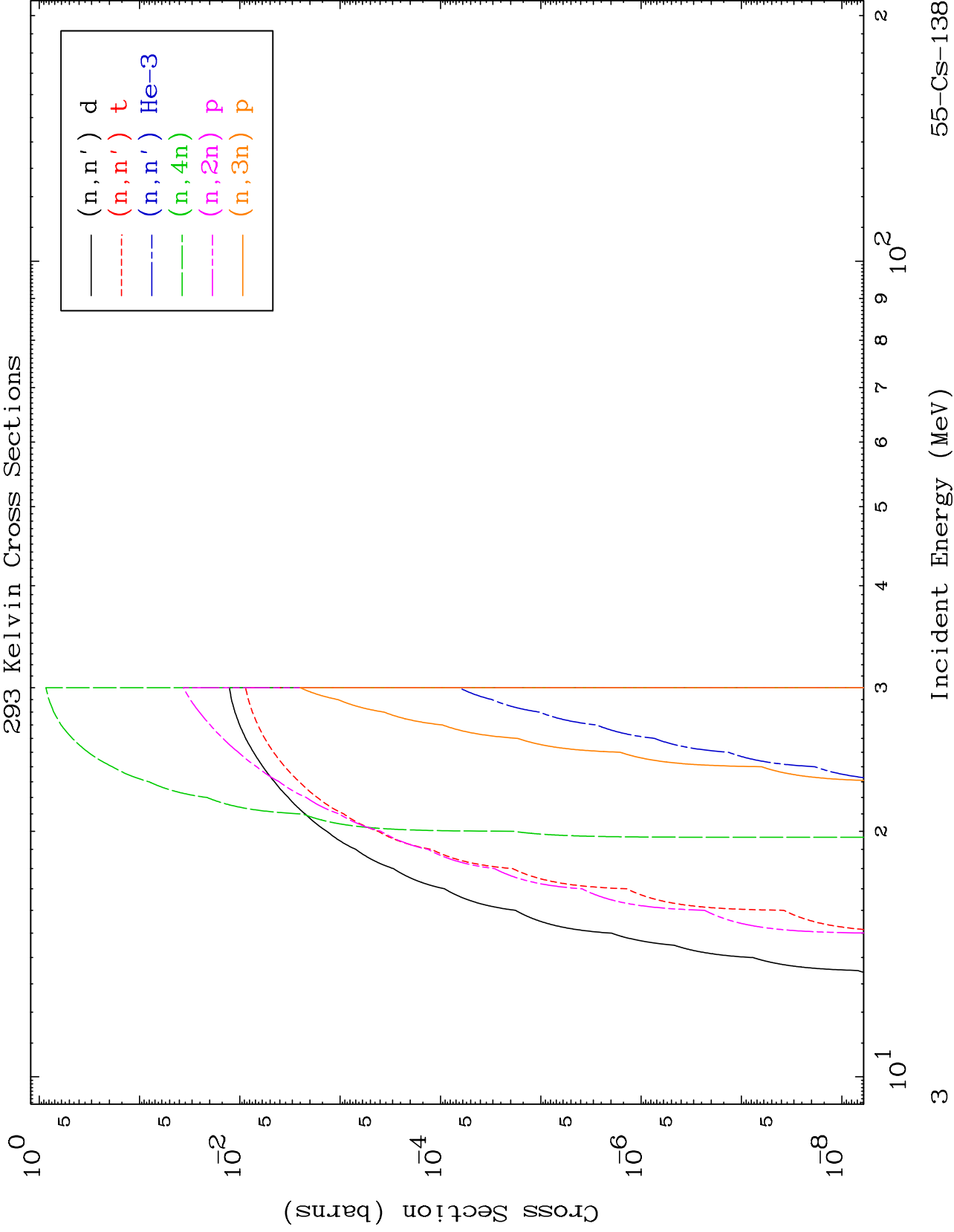
55-Cs-138

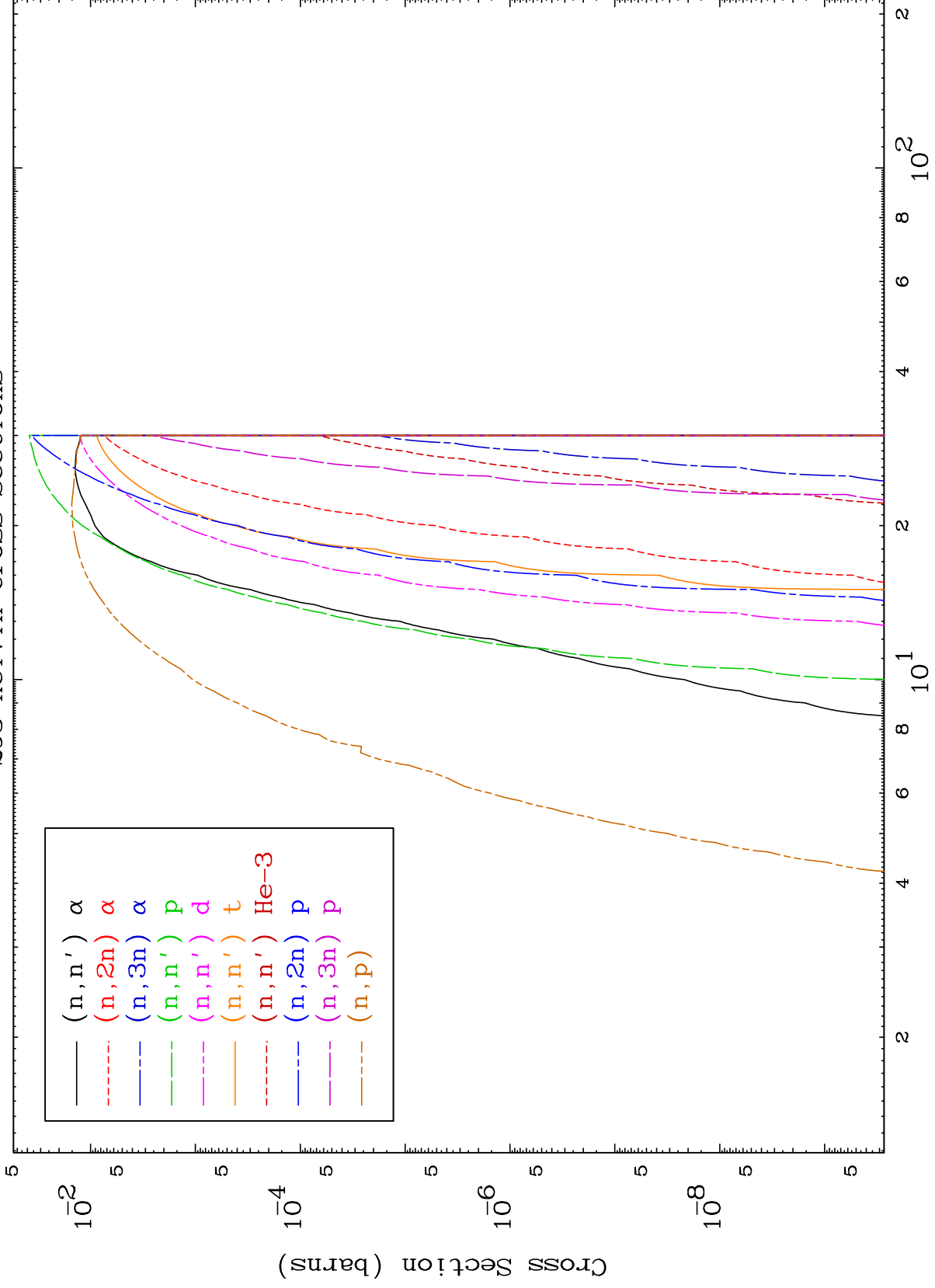


MAT 5540

Neutron Production
293 Kelvin Cross Sections

55-Cs-138

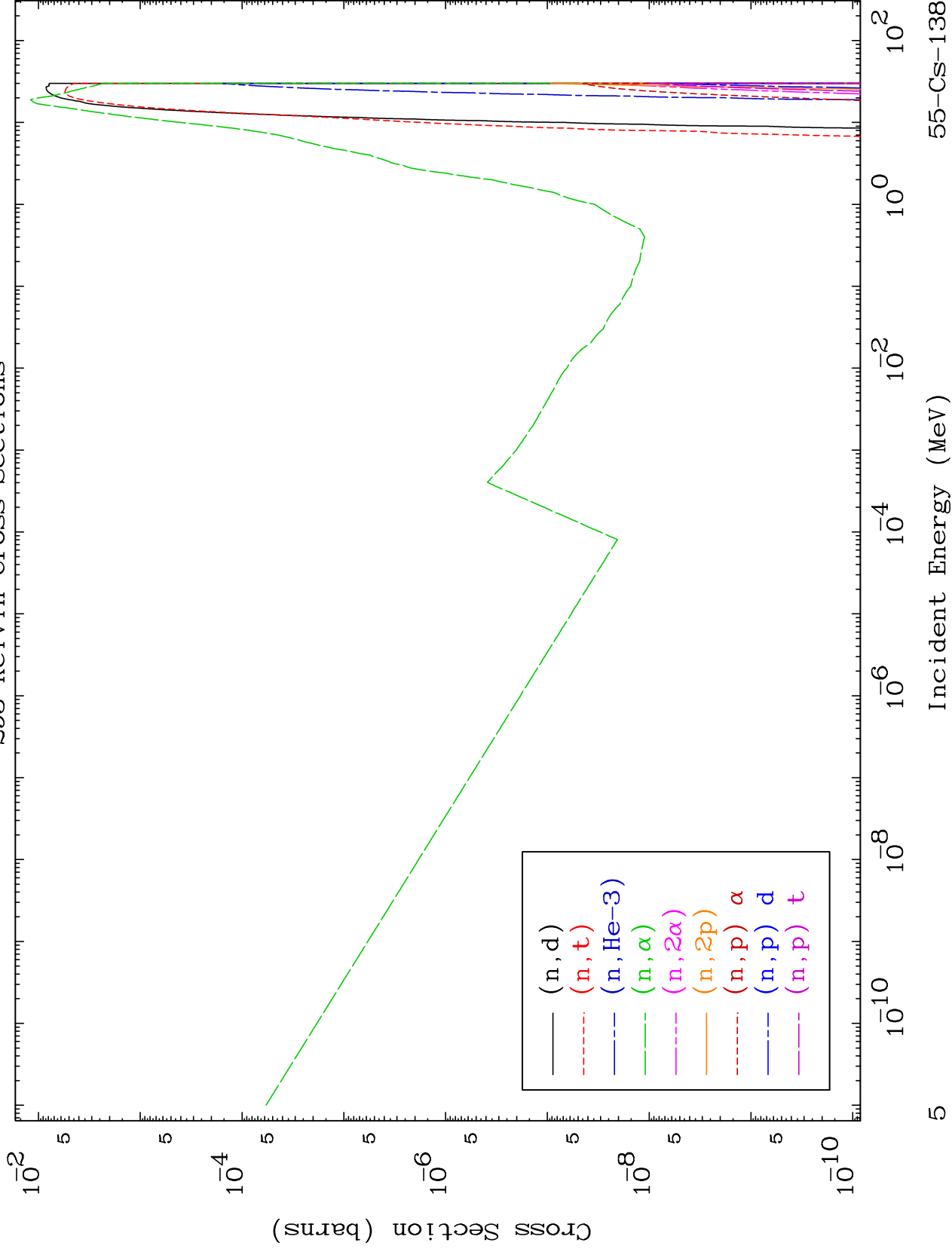


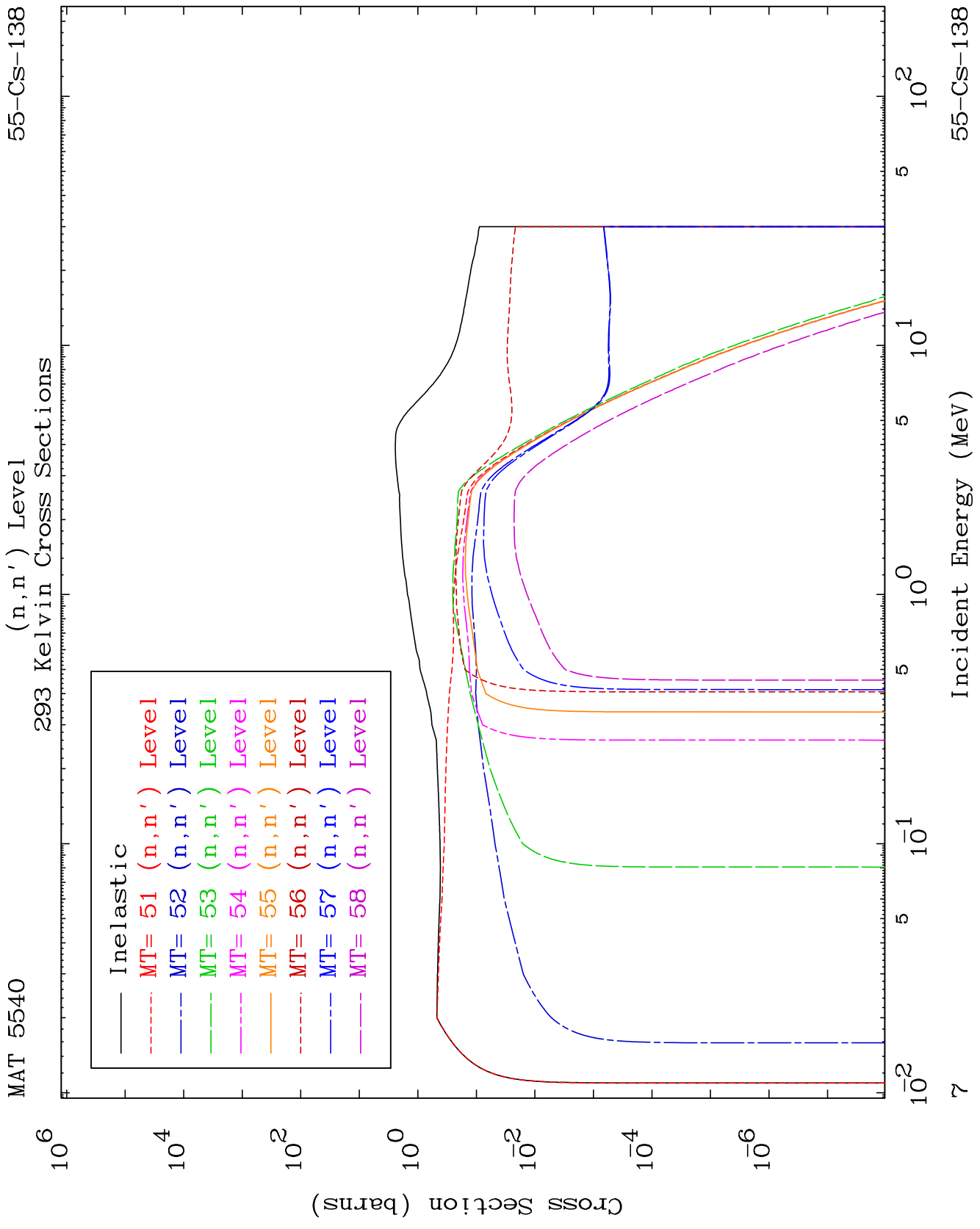


MAT 5540

Charged Particle
293 Kelvin Cross Sections

55-Cs-138



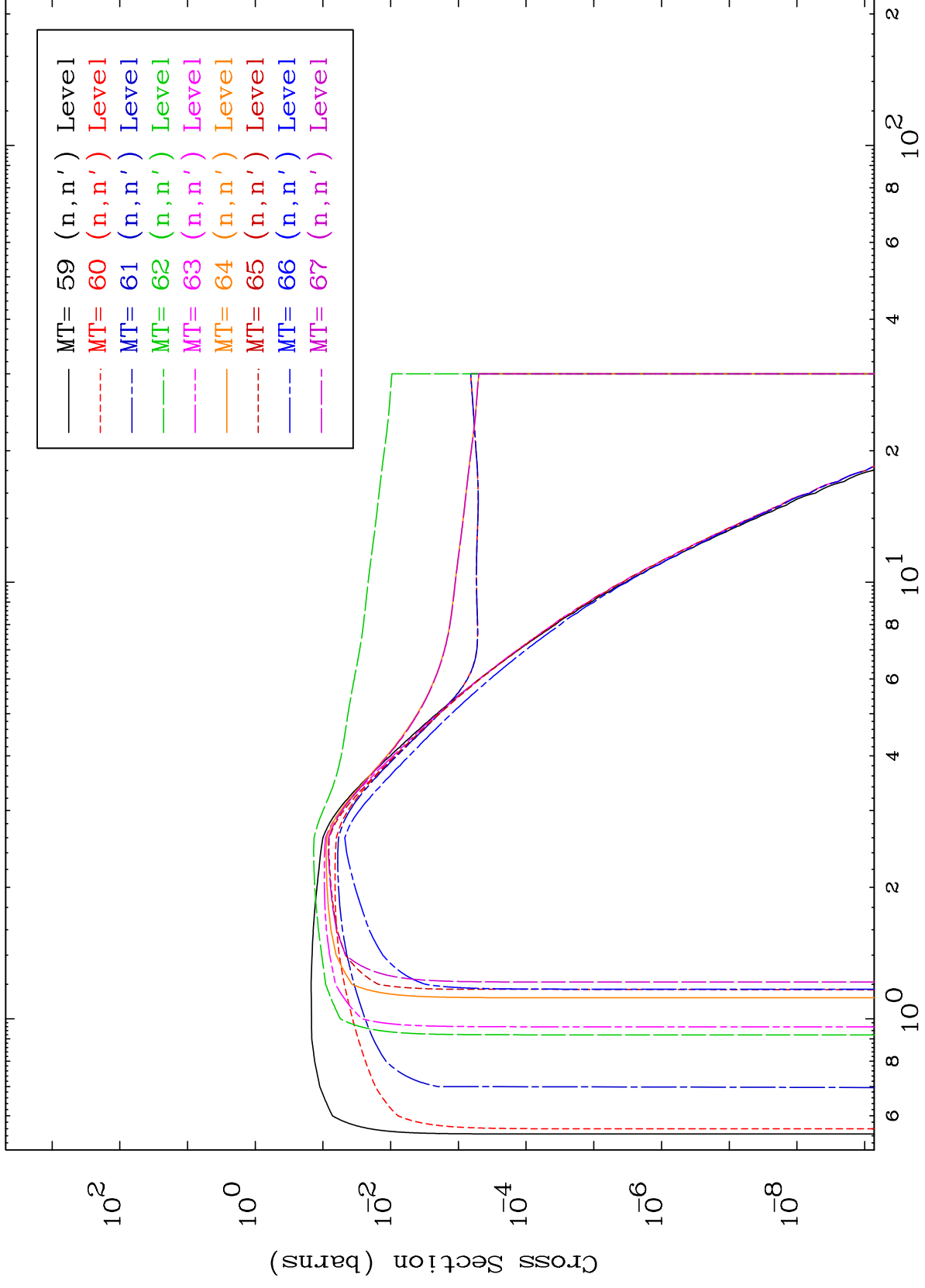


MAT 5540

(n,n') Level

55-Cs-138

293 Kelvin Cross Sections

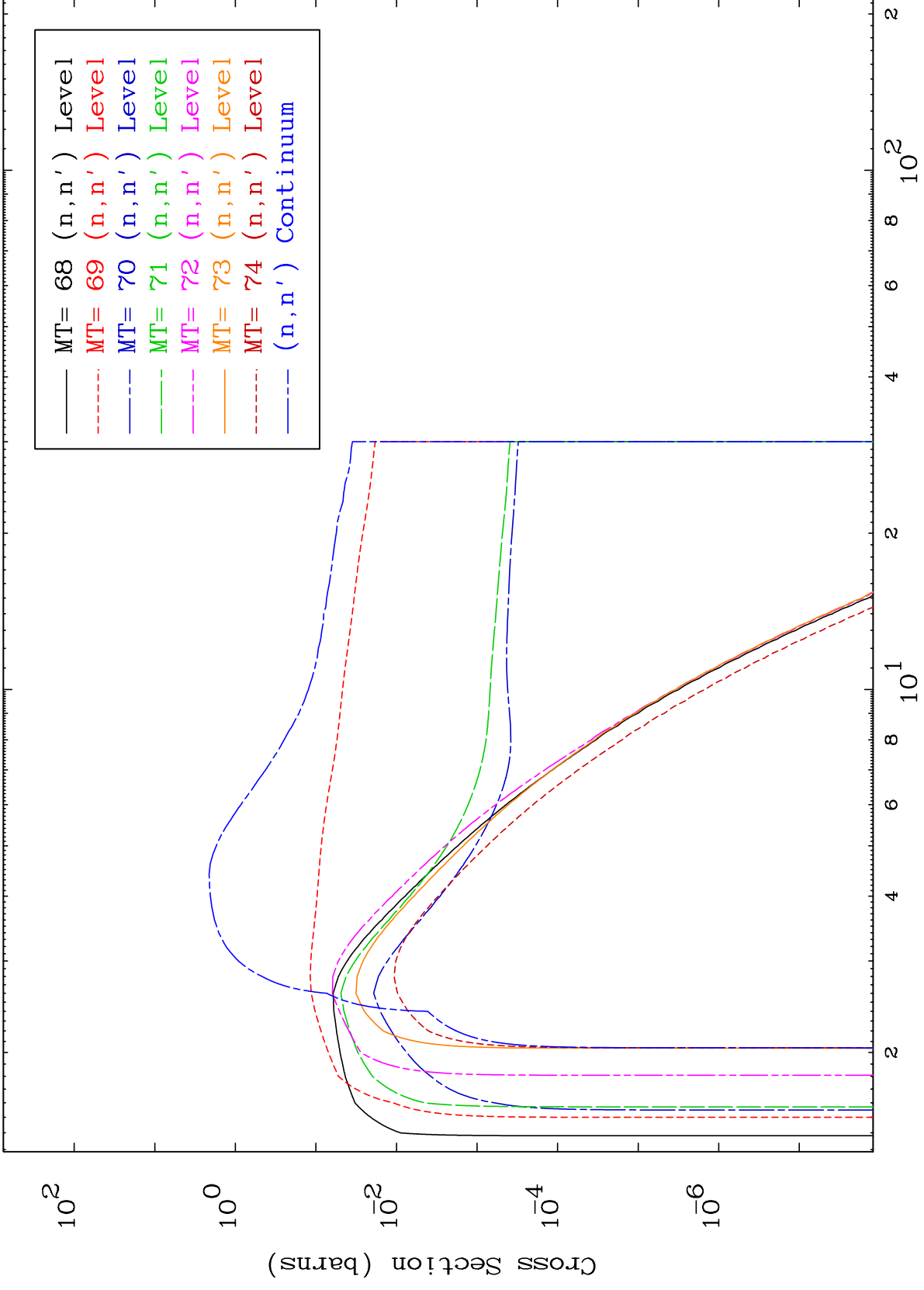


8

Incident Energy (MeV)

55-Cs-138

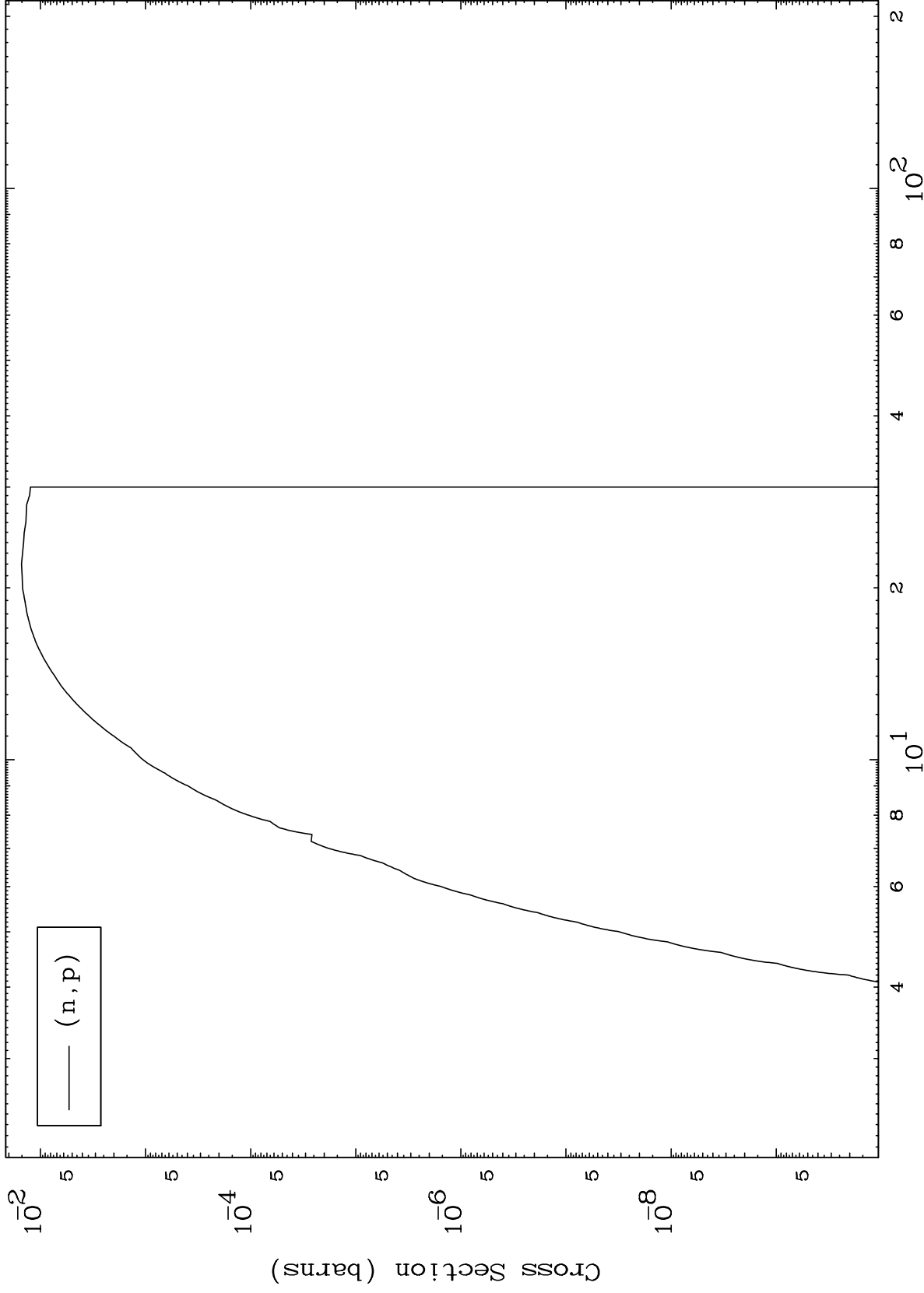
293 Kelvin Cross Sections



MAT 5540

(n,p) Levels
293 Kelvin Cross Sections

55-Cs-138



10

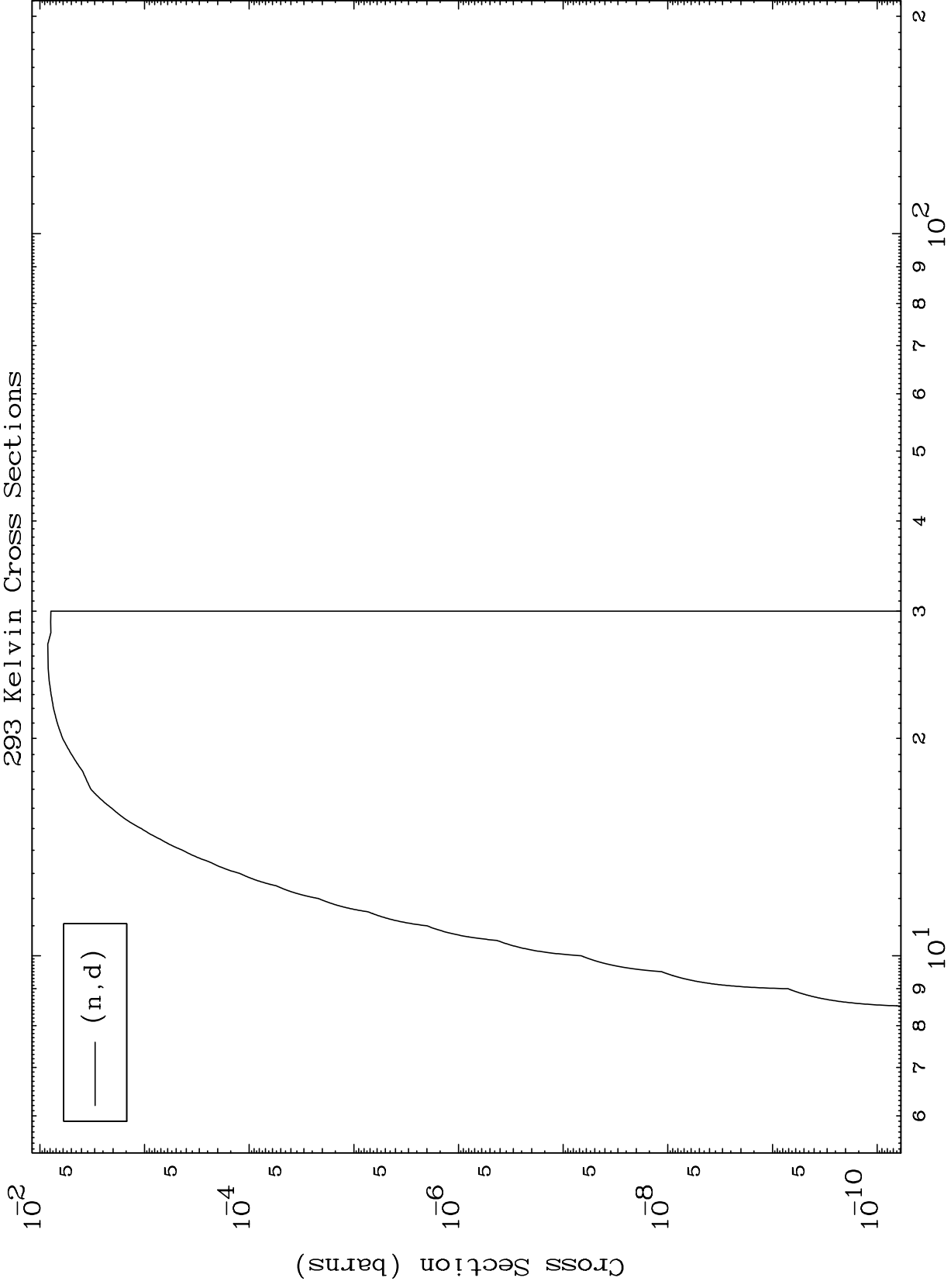
Incident Energy (MeV)

55-Cs-138

MAT 5540

(n,d) Levels
293 Kelvin Cross Sections

55-Cs-138



11

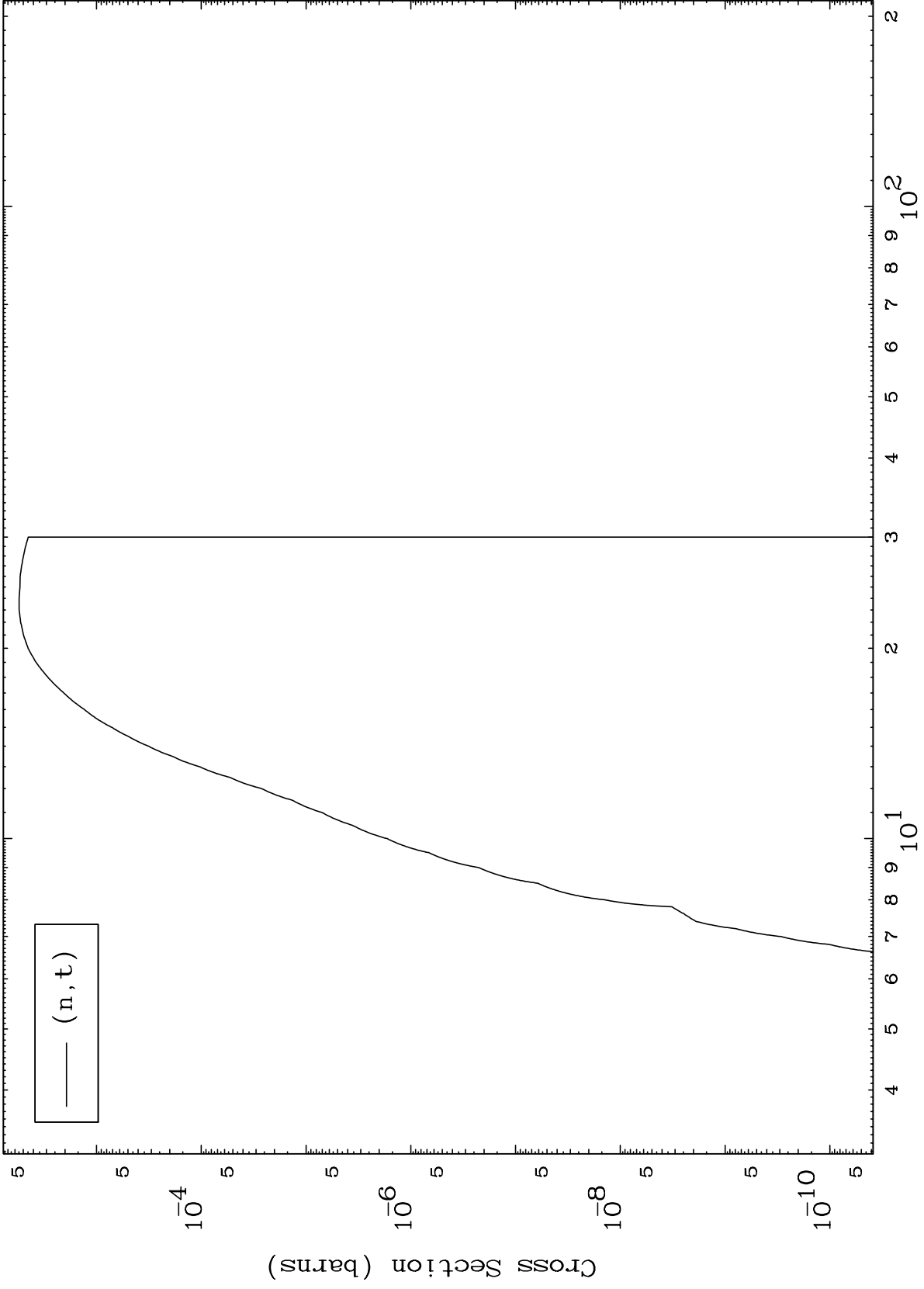
Incident Energy (MeV)

55-Cs-138

MAT 5540

(n,t) Levels
293 Kelvin Cross Sections

55-Cs-138



12

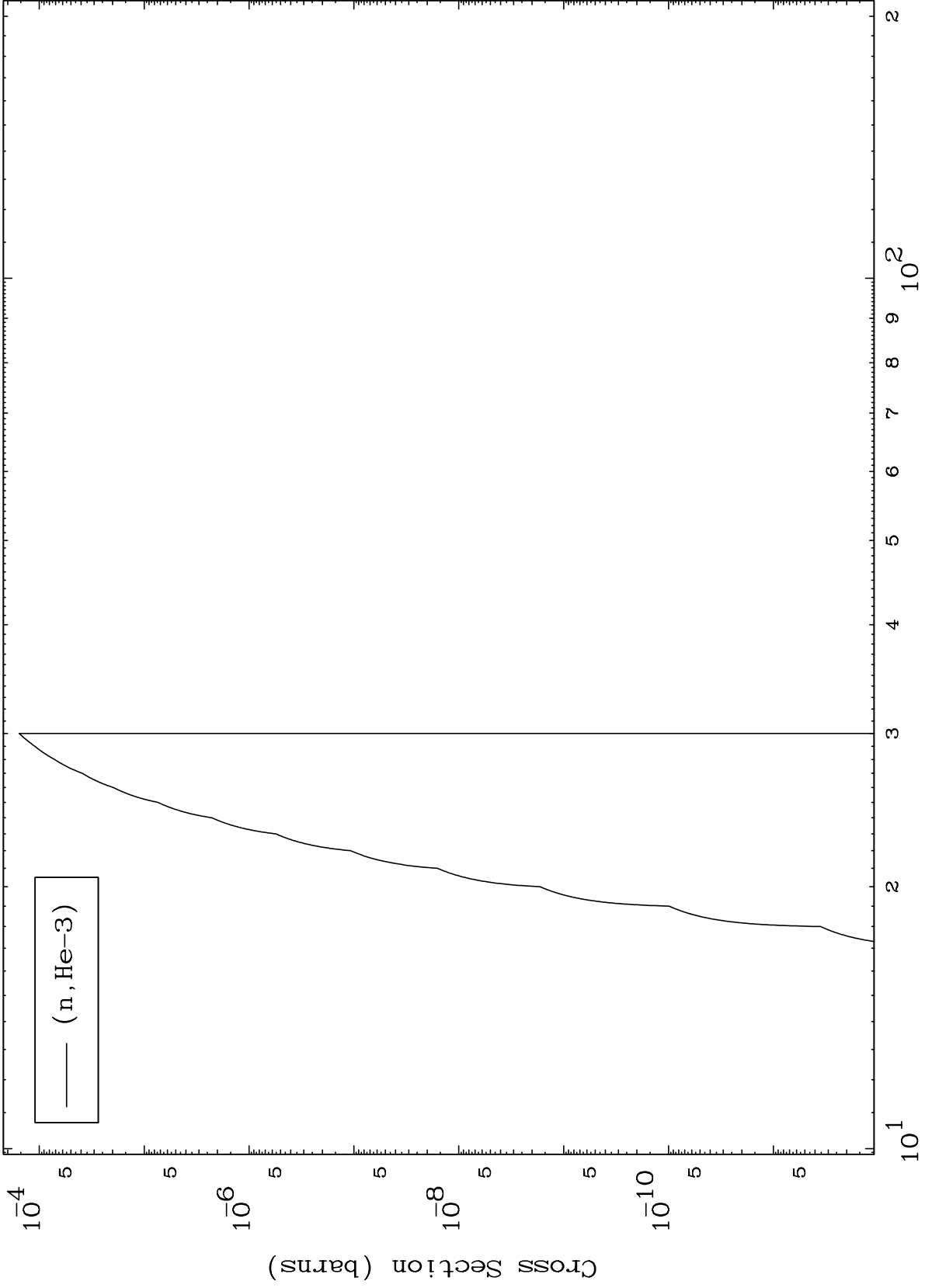
Incident Energy (MeV)

55-Cs-138

MAT 5540

(n,He3) Levels
293 Kelvin Cross Sections

55-Cs-138



13

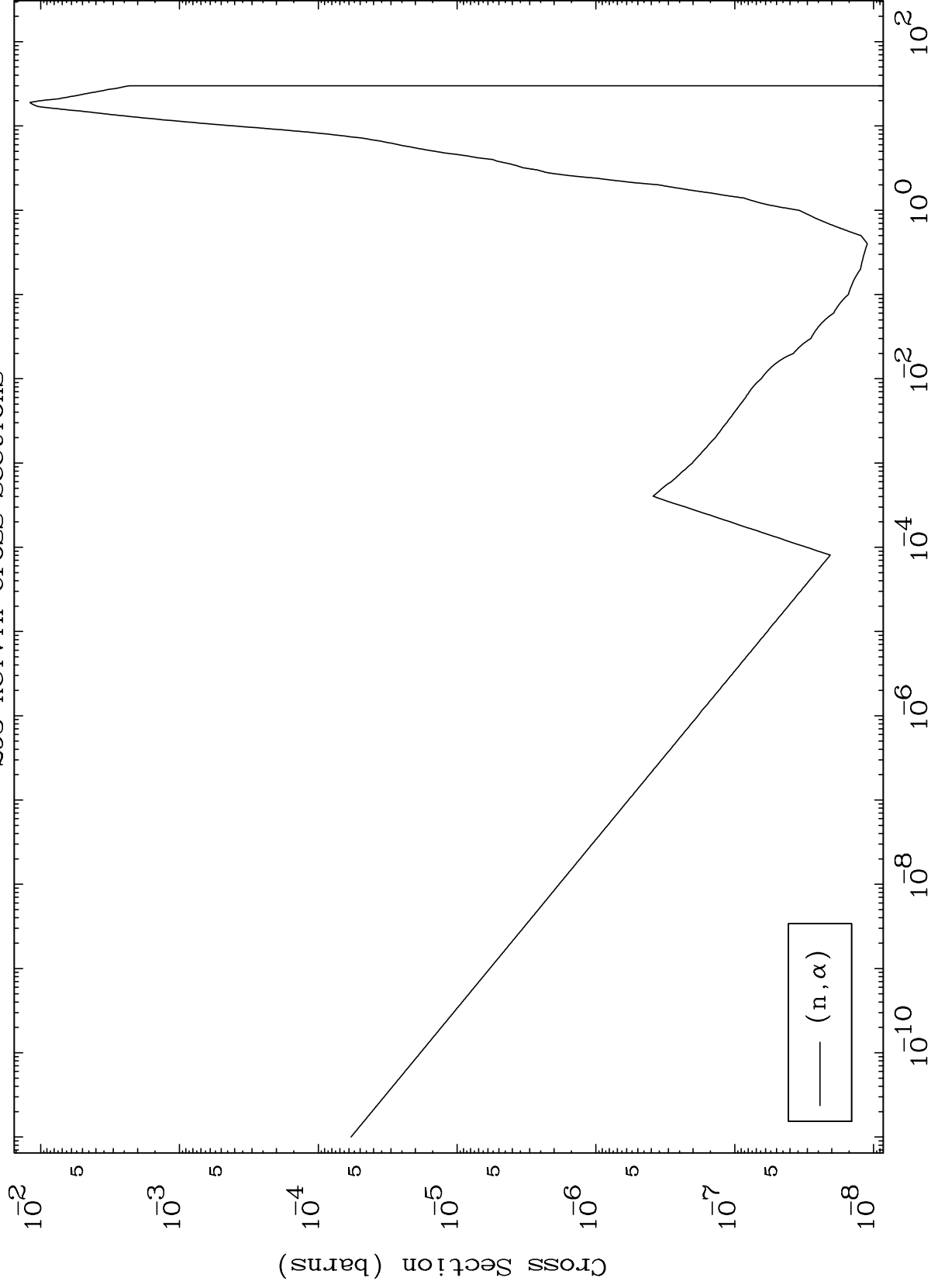
Incident Energy (MeV)

55-Cs-138

MAT 5540

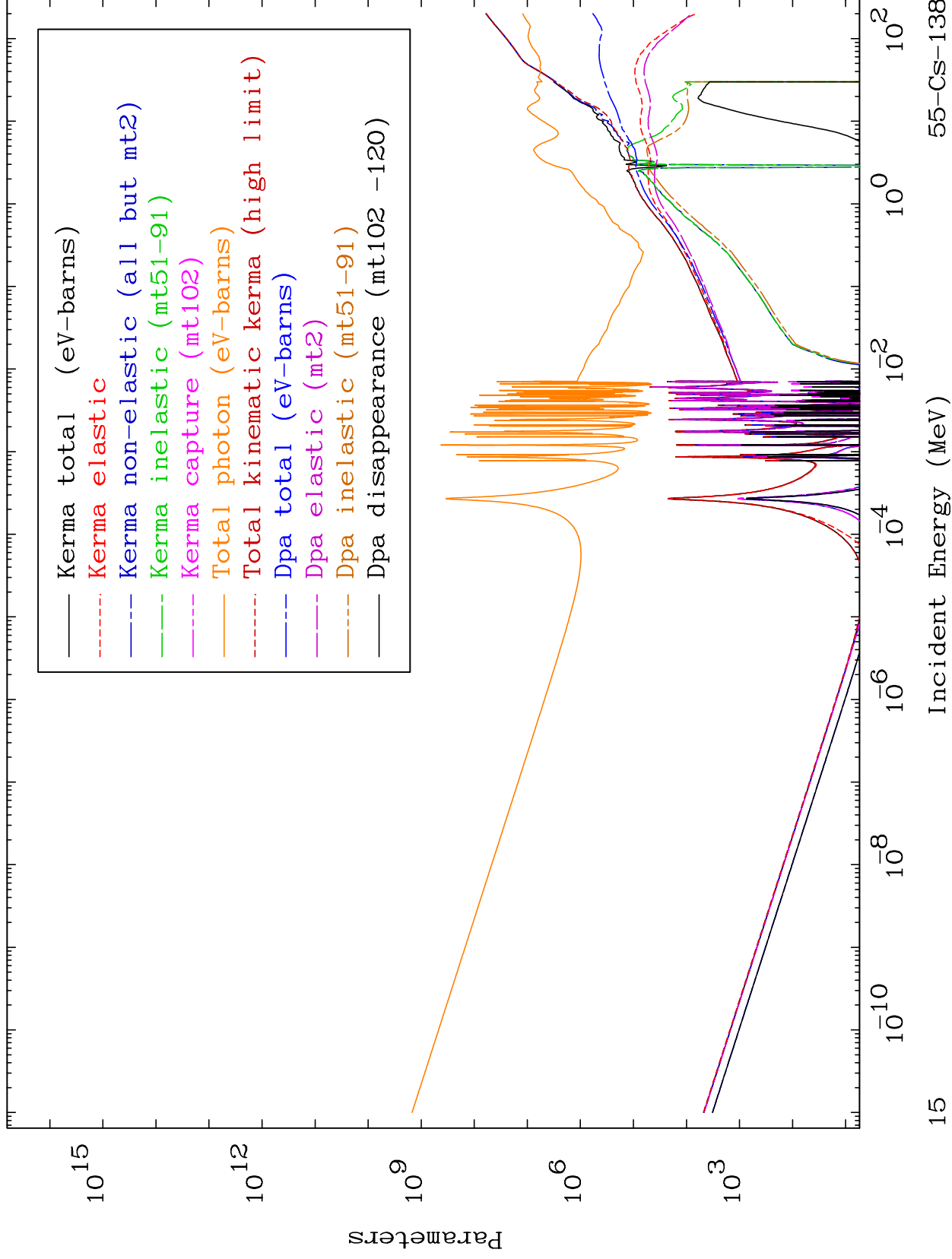
(n,α) Levels
293 Kelvin Cross Sections

55-Cs-138



14

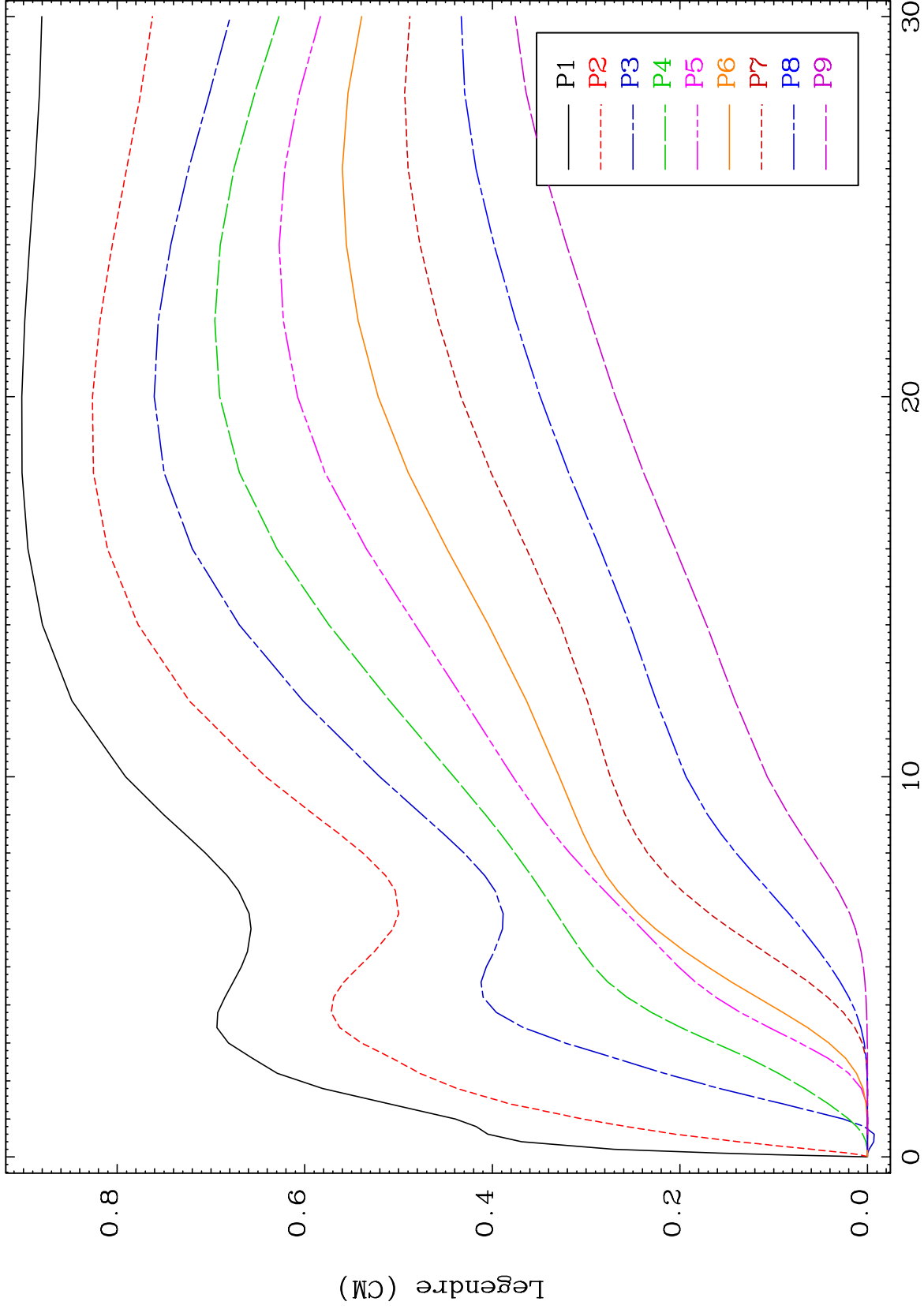
55-Cs-138



MAT 5540

Elastic Legendre Coefficients

55-Cs-138



16

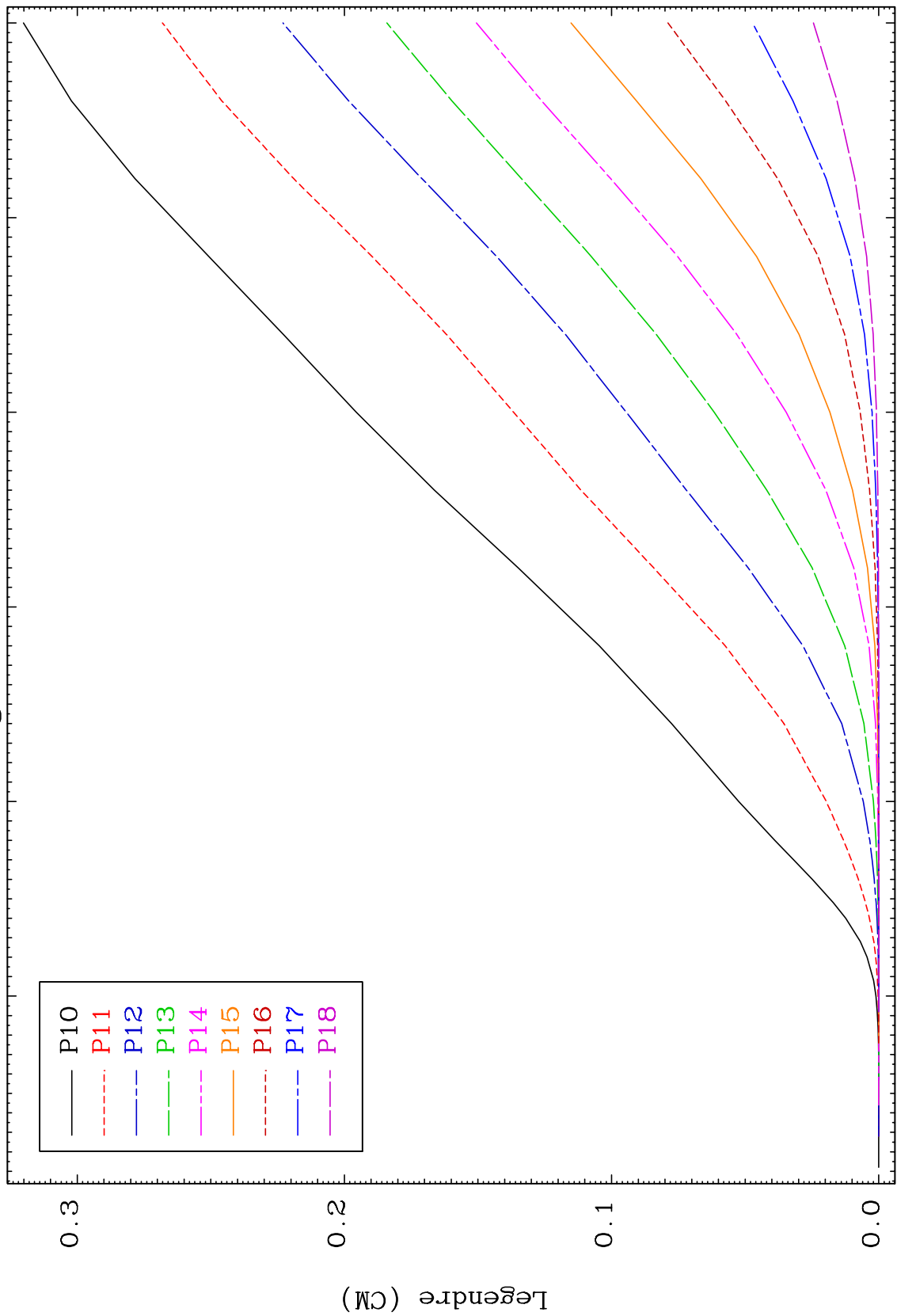
Incident Energy (MeV)

55-Cs-138

MAT 5540

Elastic Legendre Coefficients

55-Cs-138



17

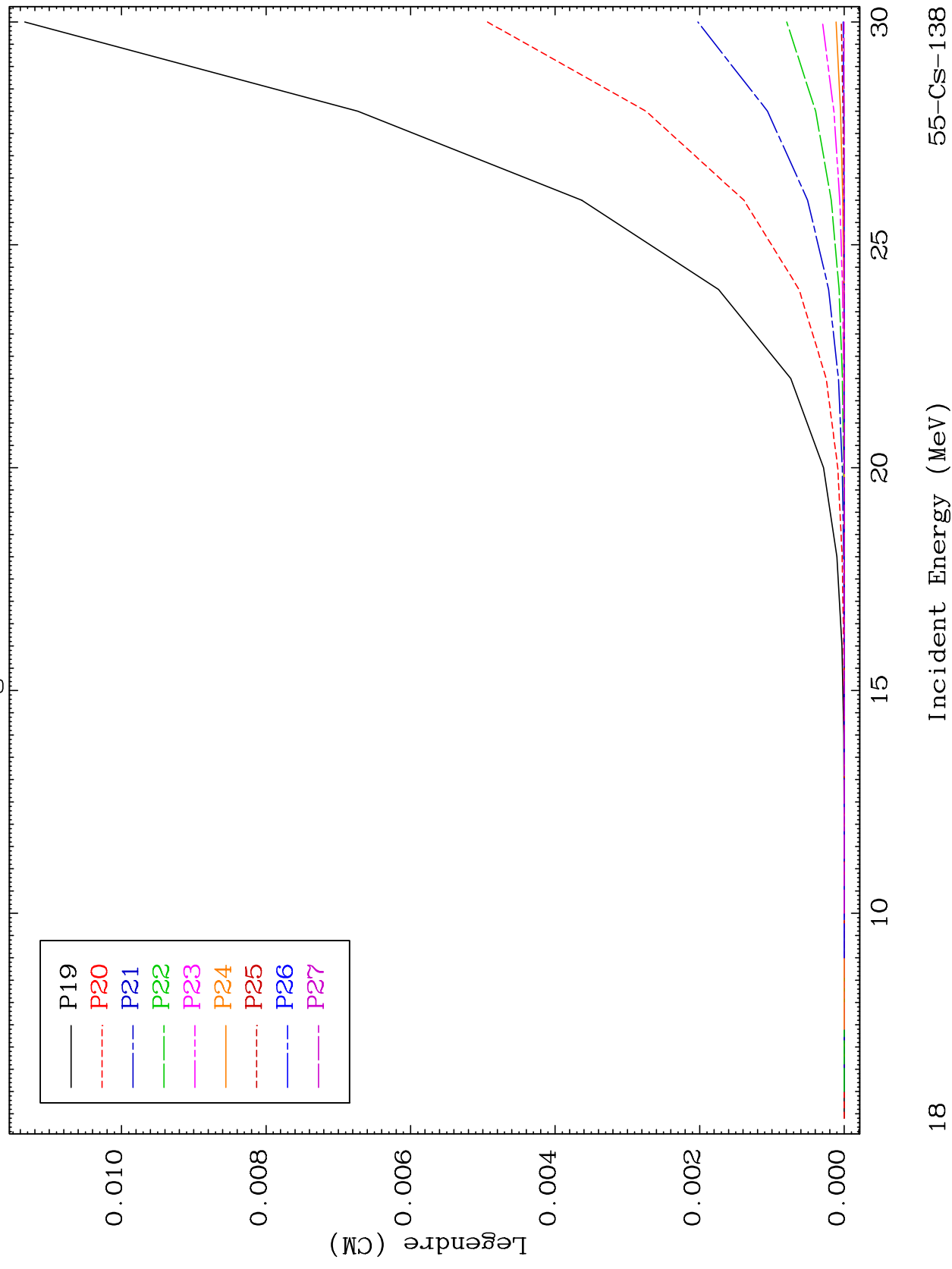
55-Cs-138

Incident Energy (MeV)

MAT 5540

Elastic Legendre Coefficients

55-Cs-138



18

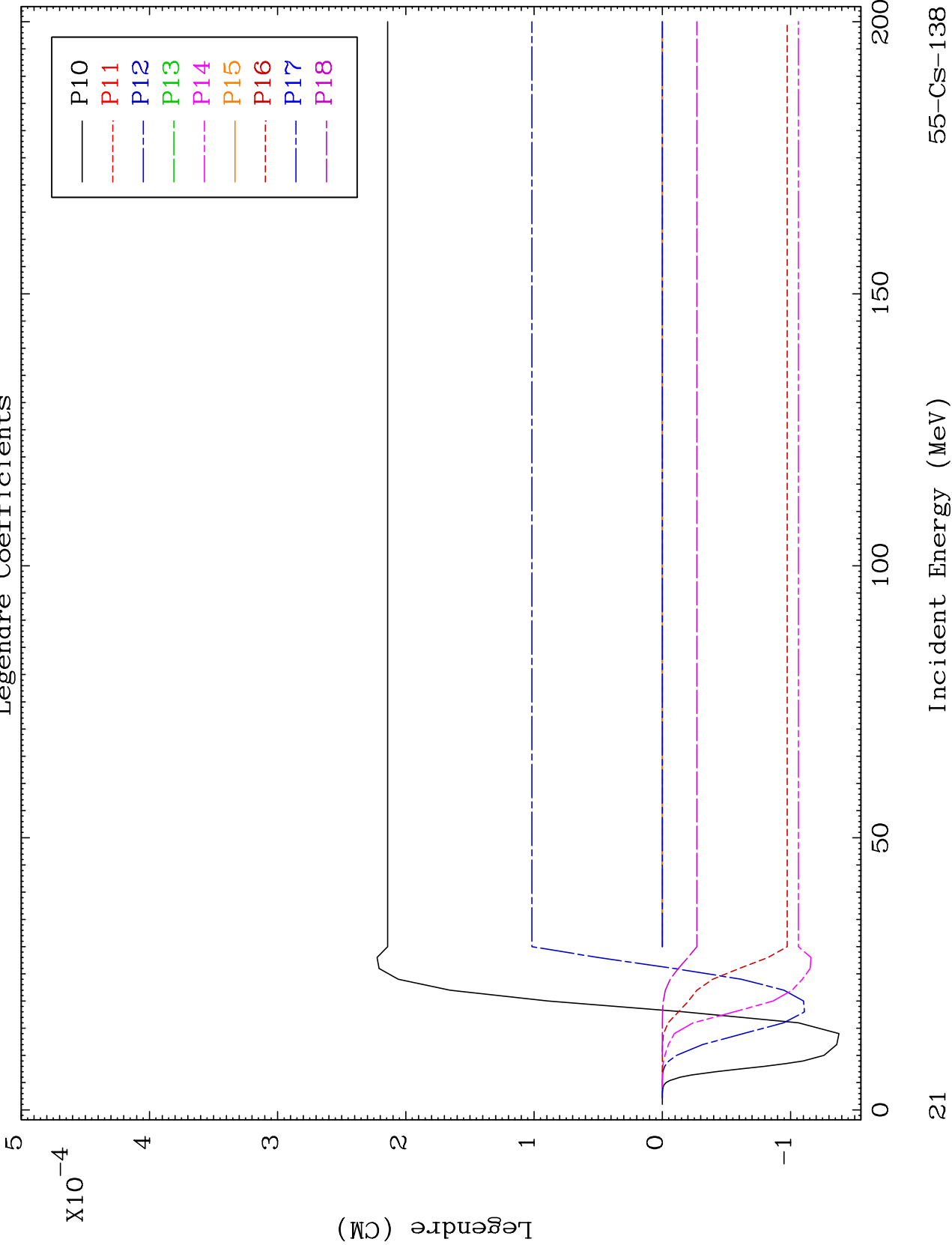
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



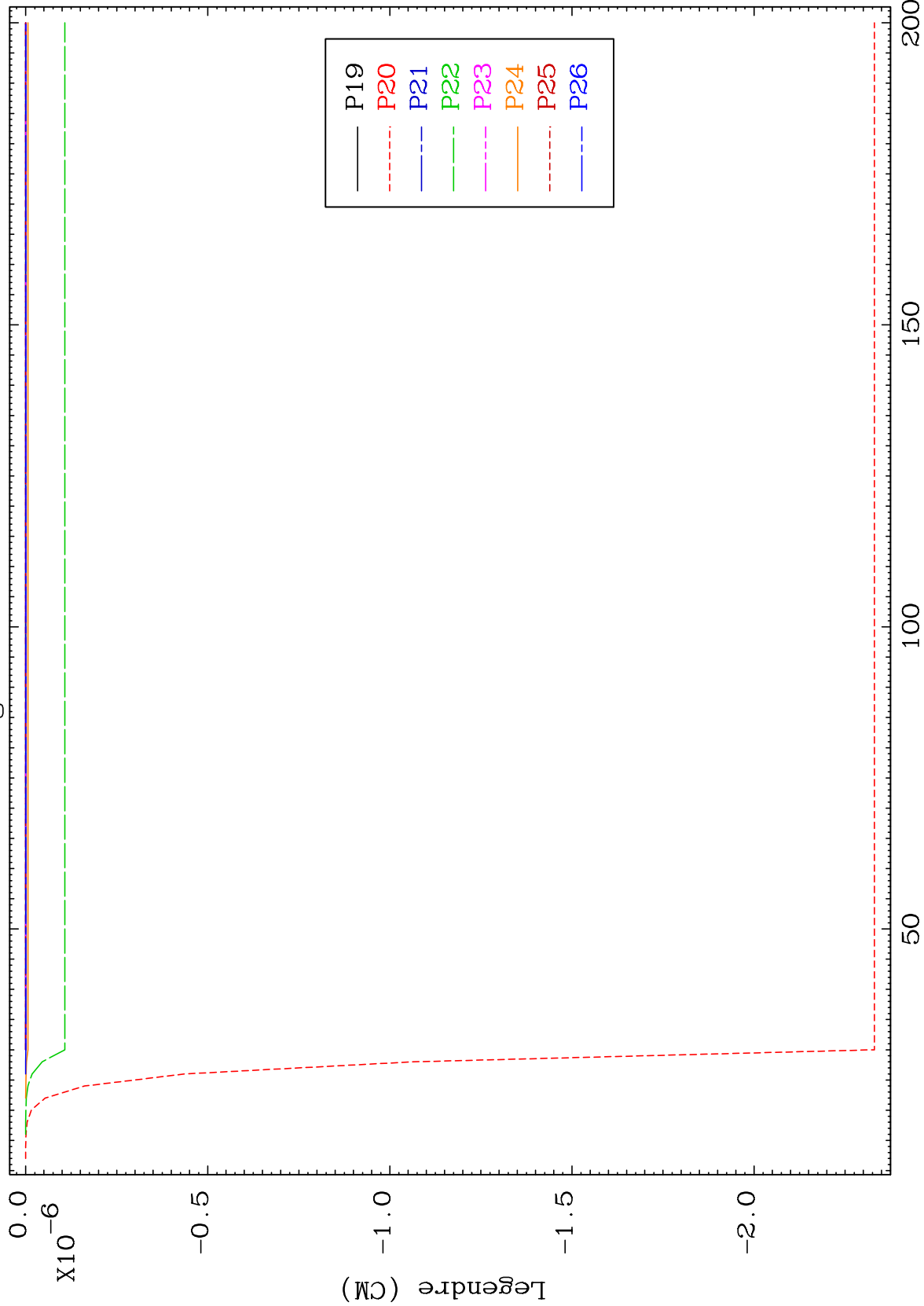
21

55-Cs-138

MAT 5540

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

55-Cs-138



55-Cs-138

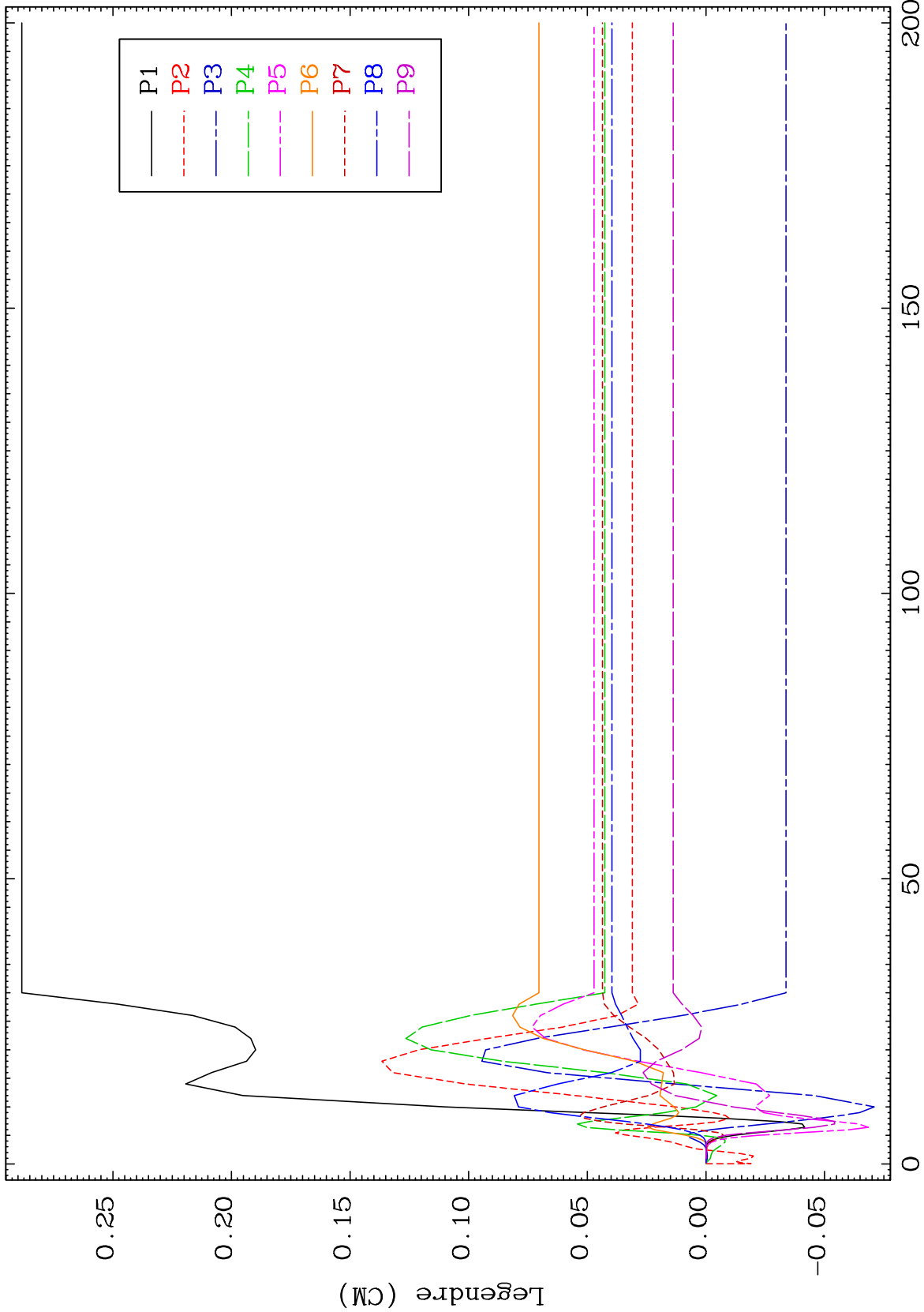
Incident Energy (MeV)

22

MAT 5540

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

55-Cs-138



23

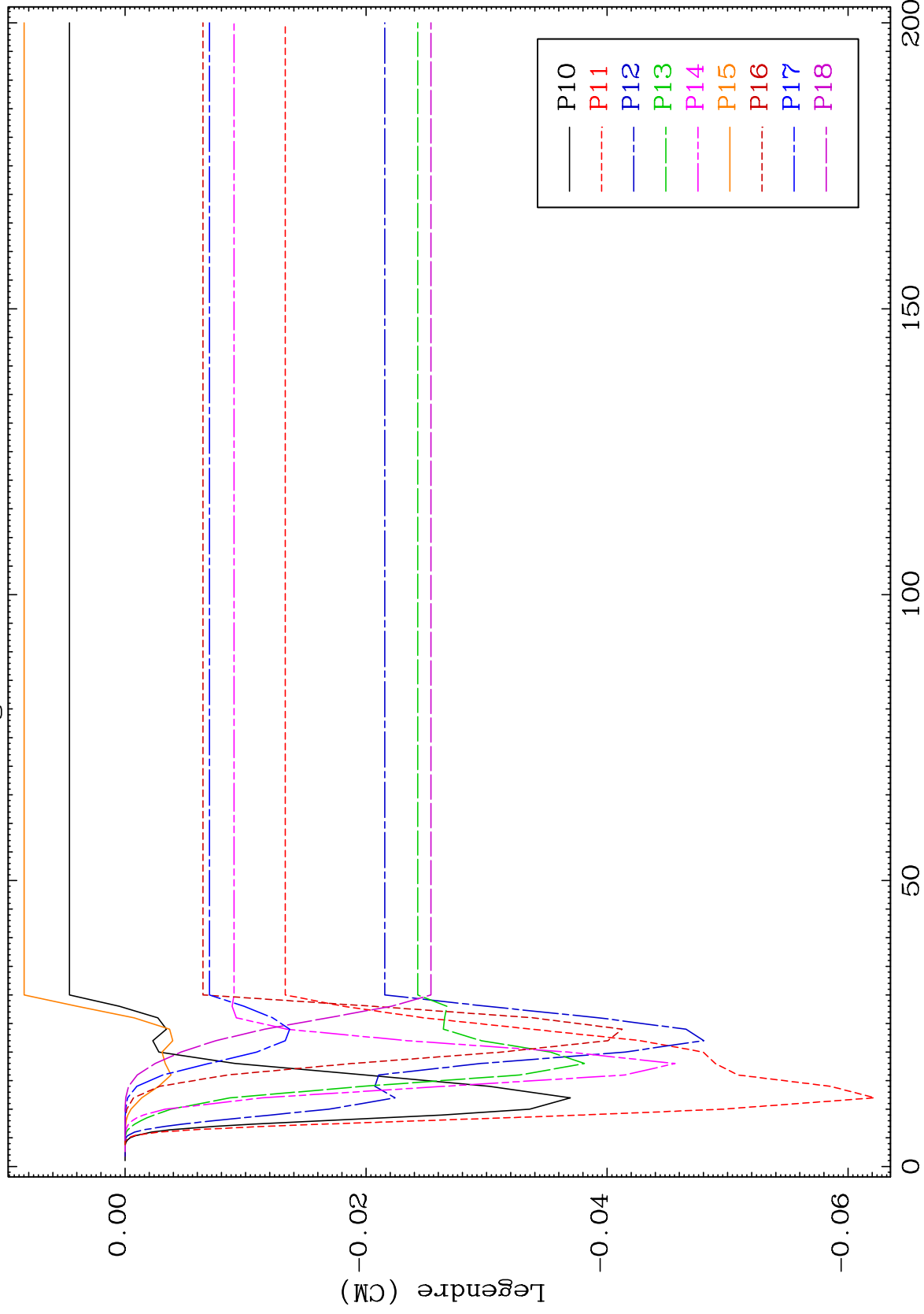
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

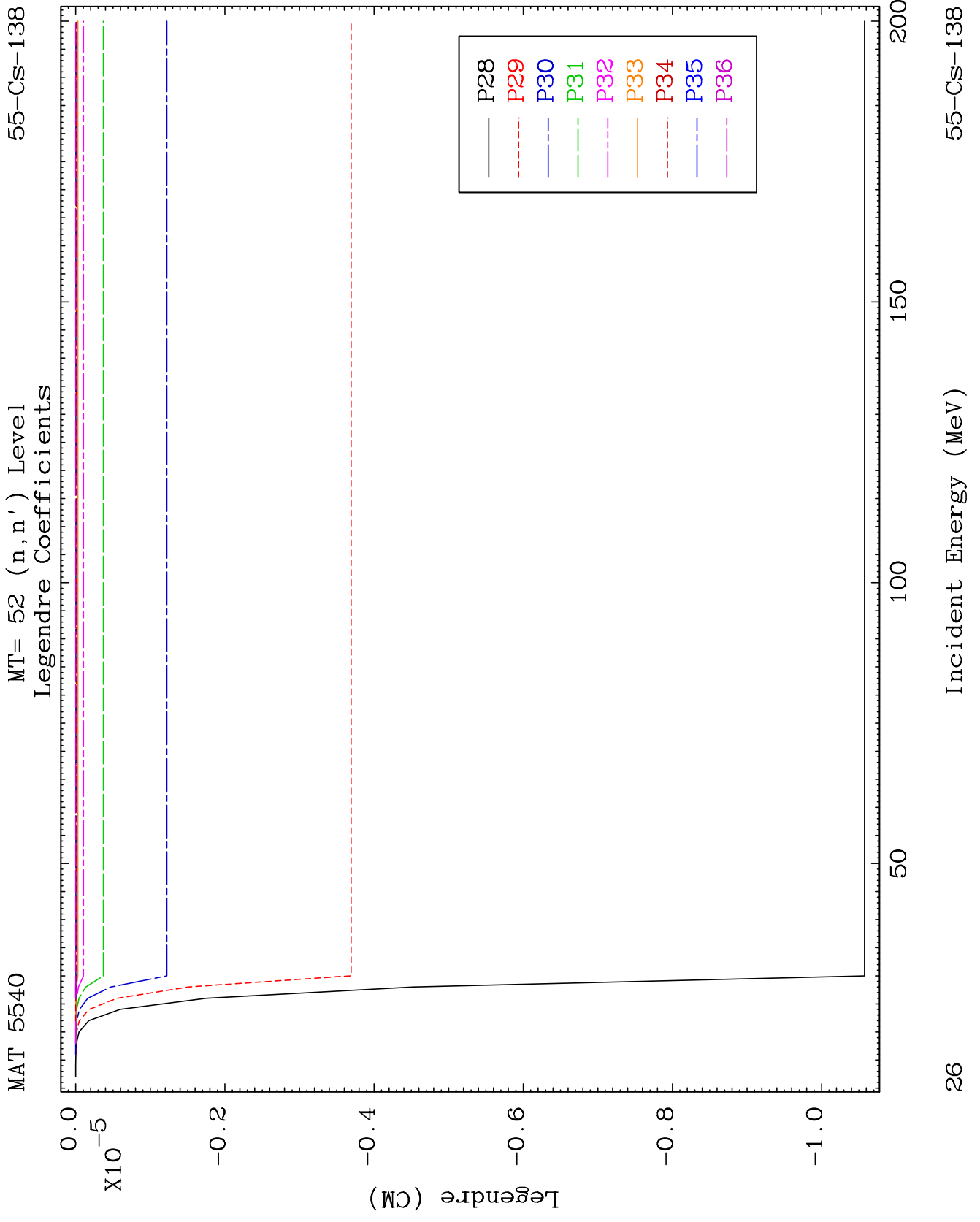
55-Cs-138



24

Incident Energy (MeV)

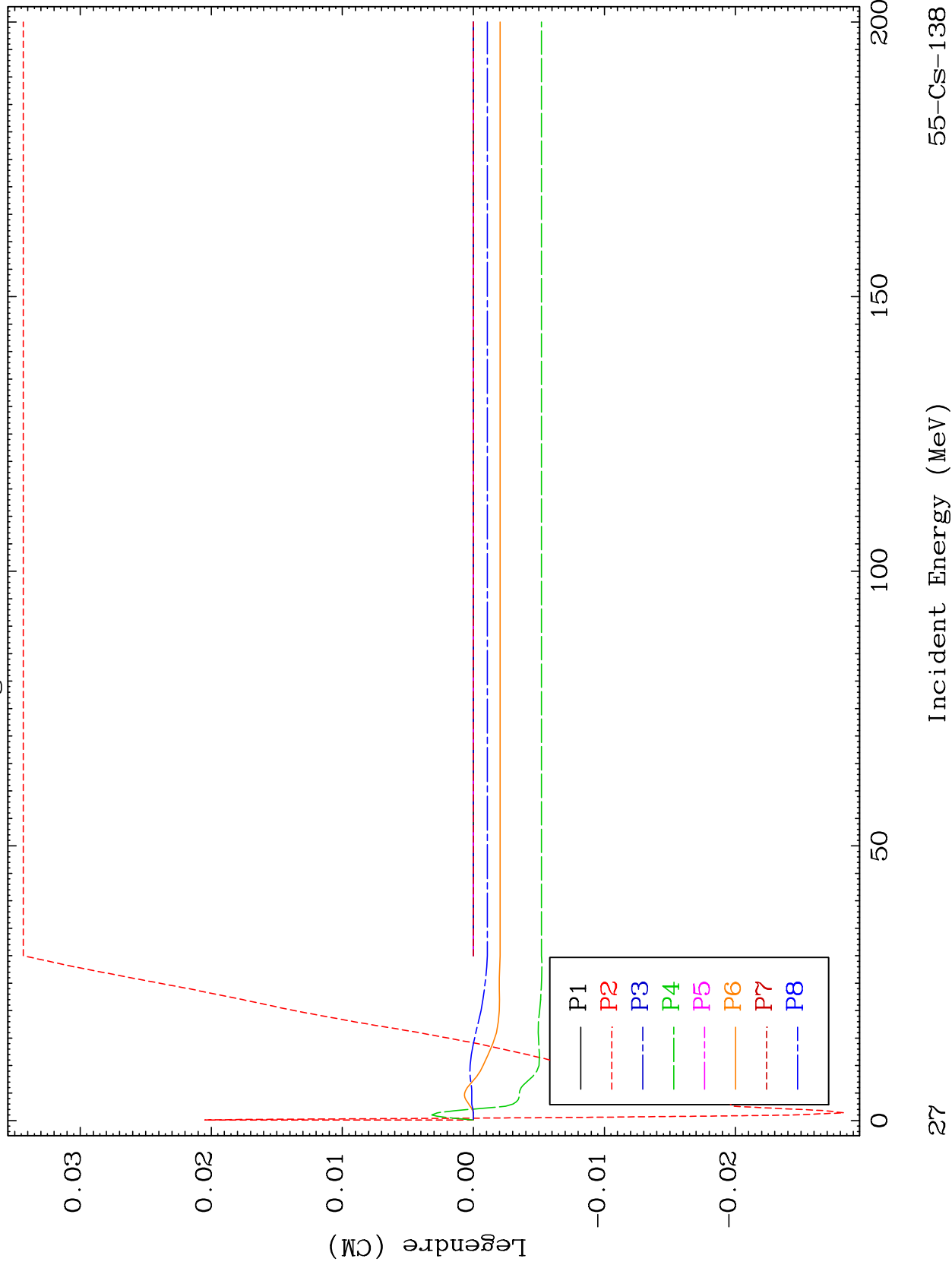
55-Cs-138



MAT 5540

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

55-Cs-138



27

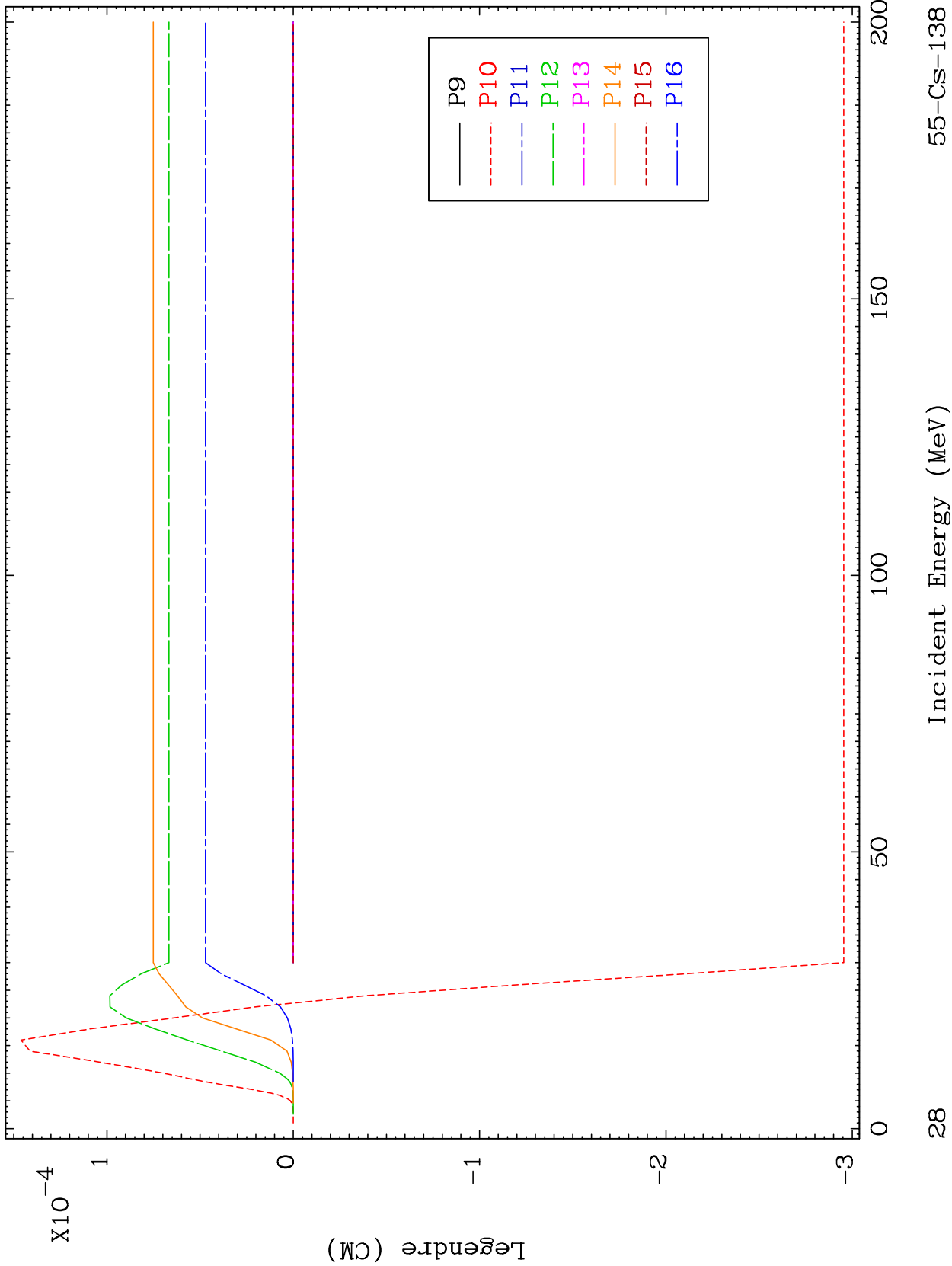
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



55-Cs-138

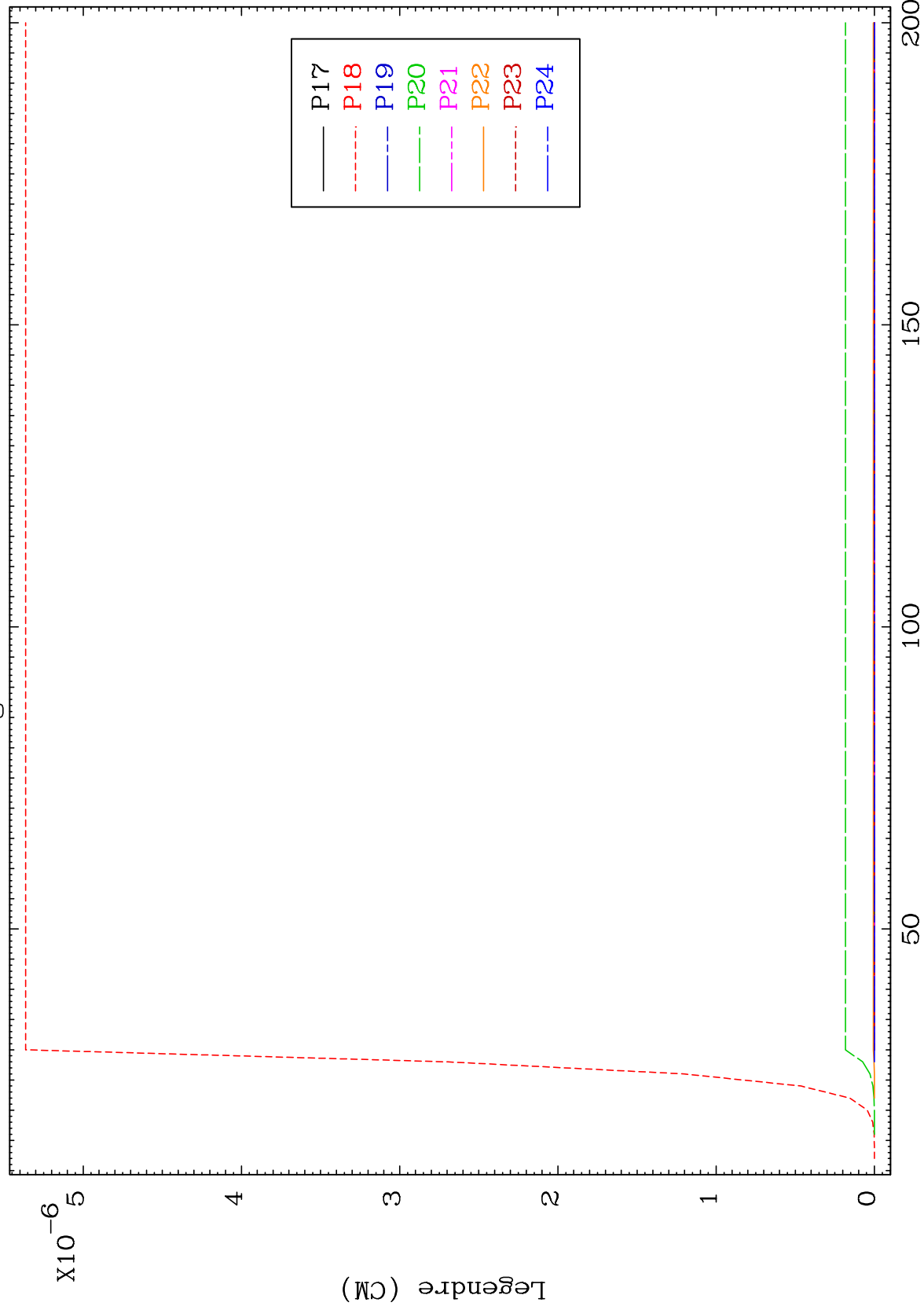
Incident Energy (MeV)

28

MAT 5540

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

55-Cs-138



55-Cs-138

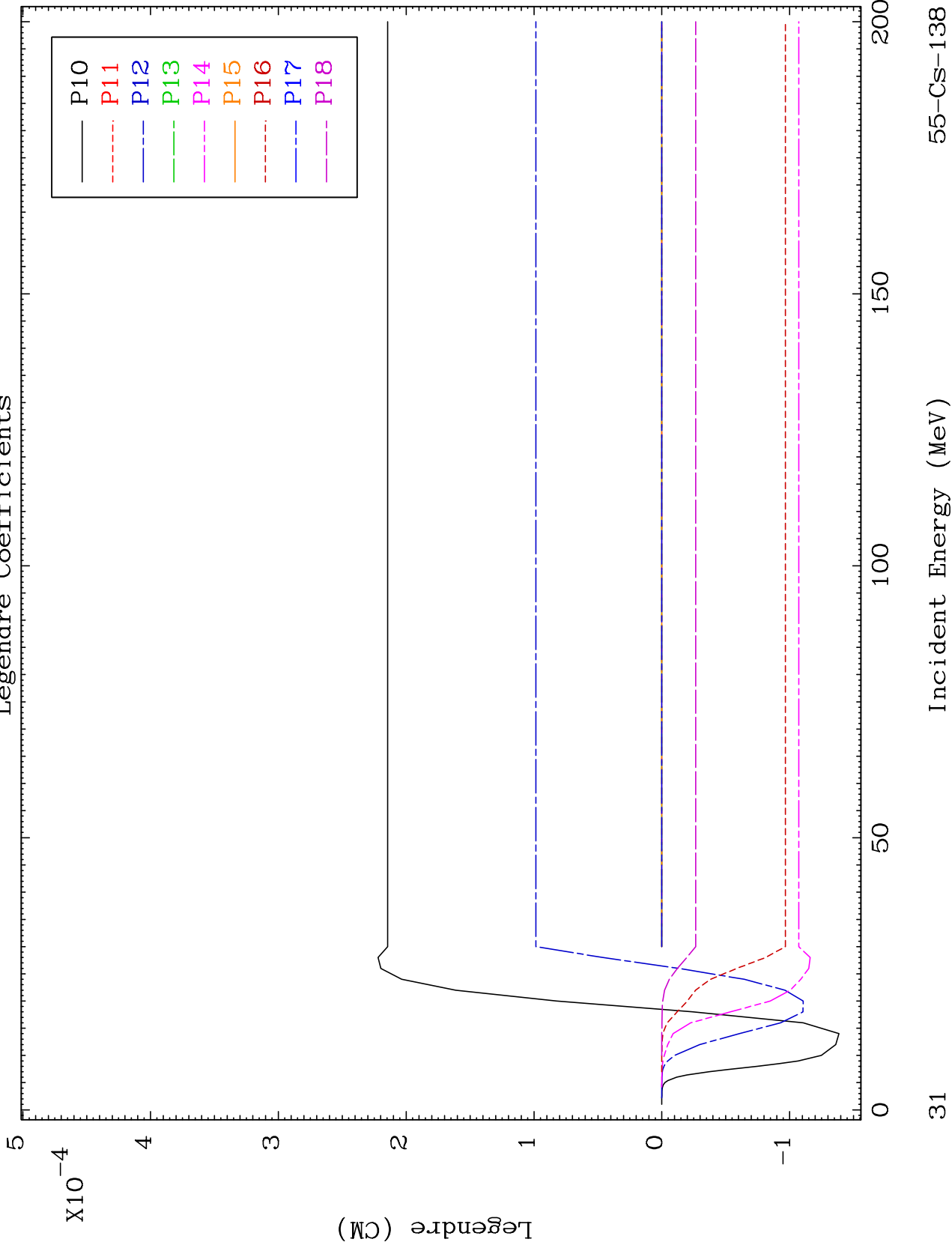
Incident Energy (MeV)

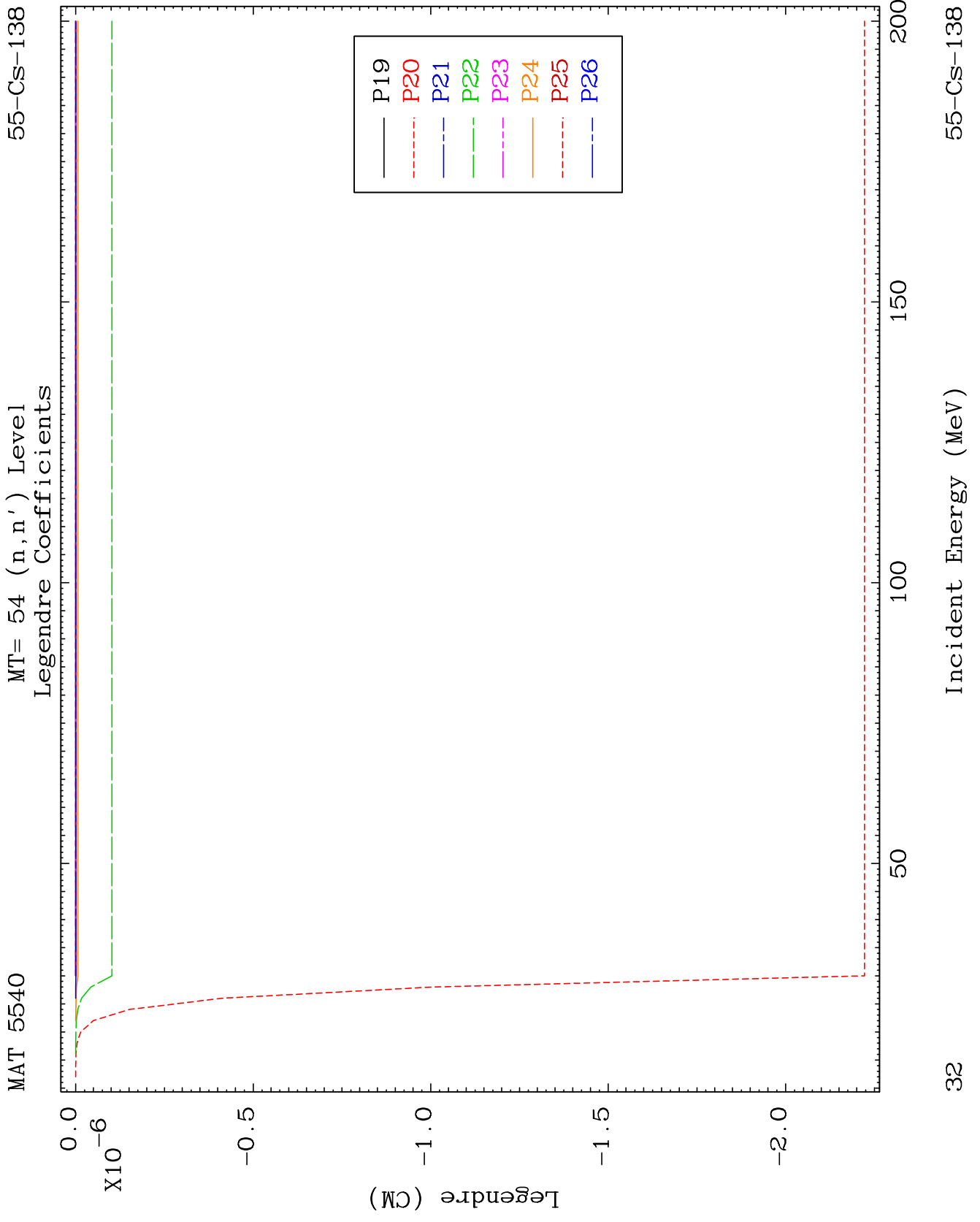
29

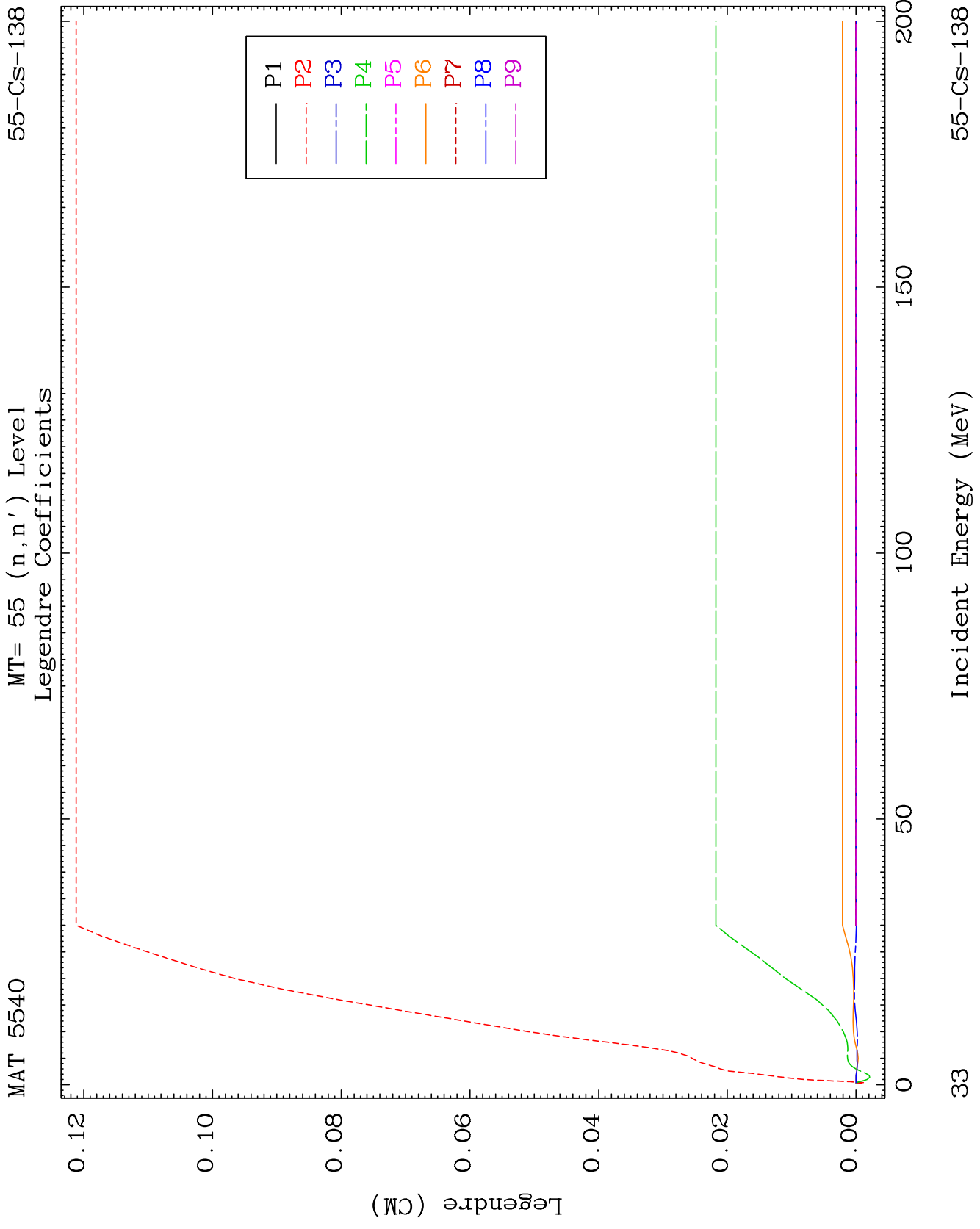
MAT 5540

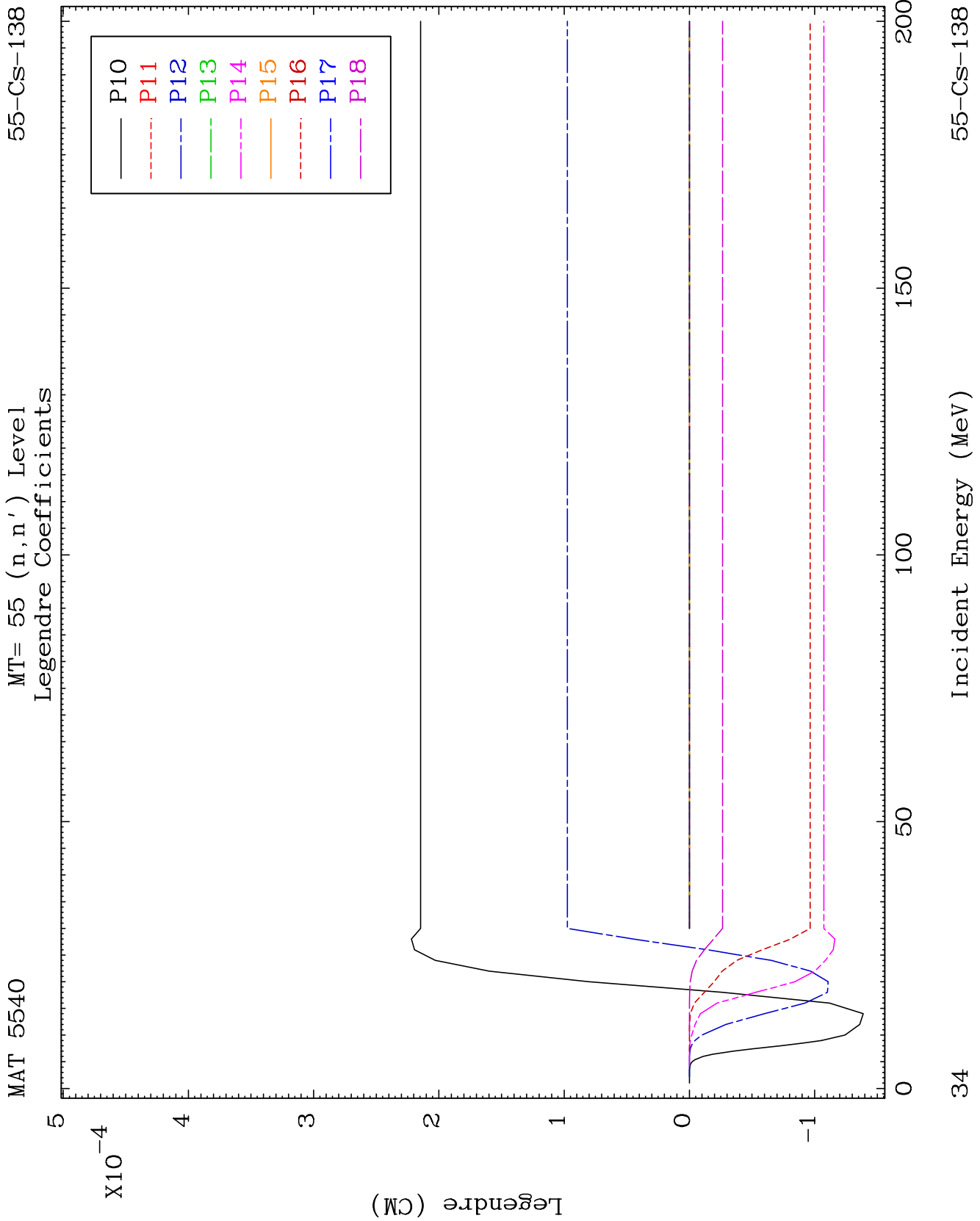
MT= 54 (n,n') Level
Legendre Coefficients

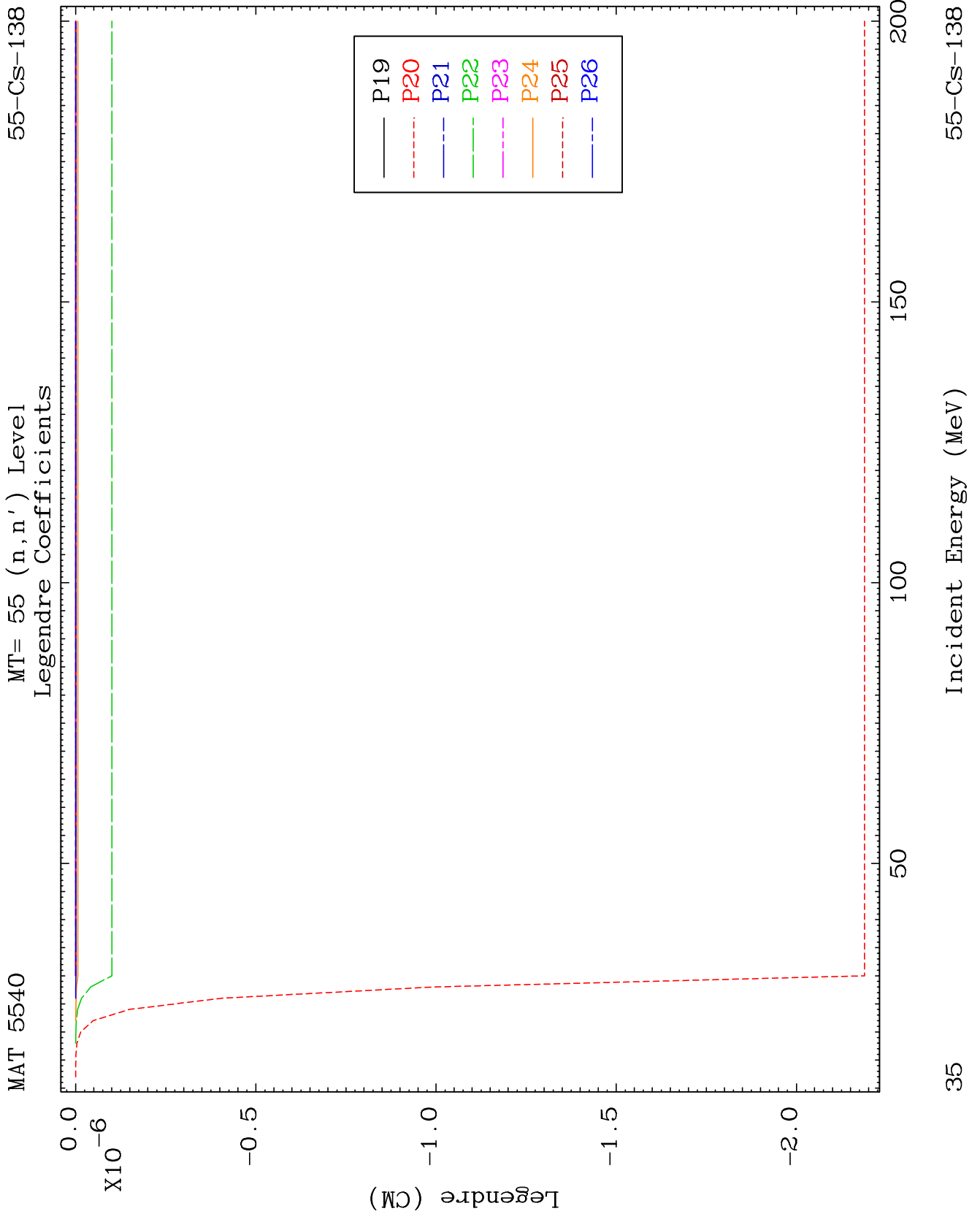
55-Cs-138







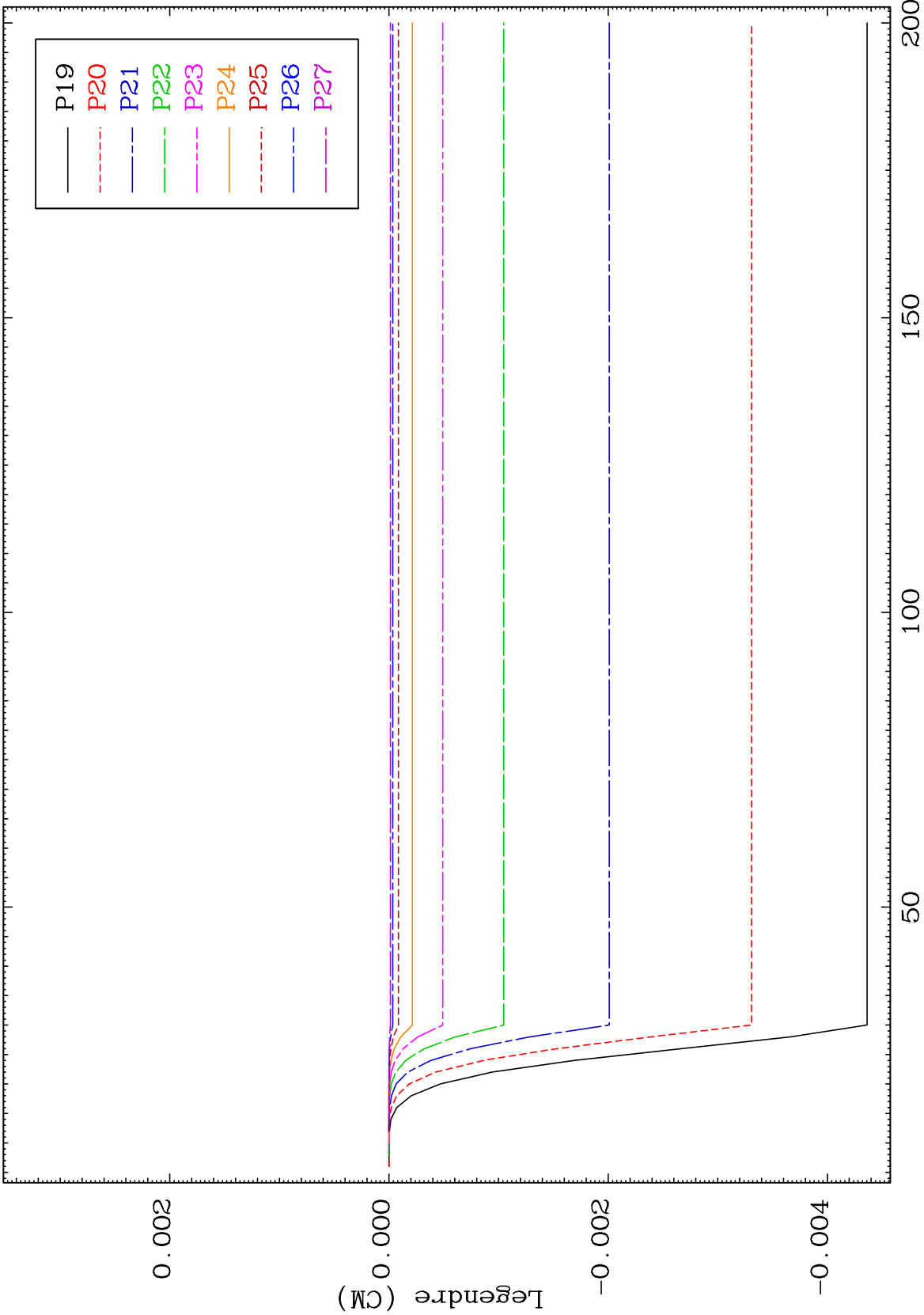




MAT 5540

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

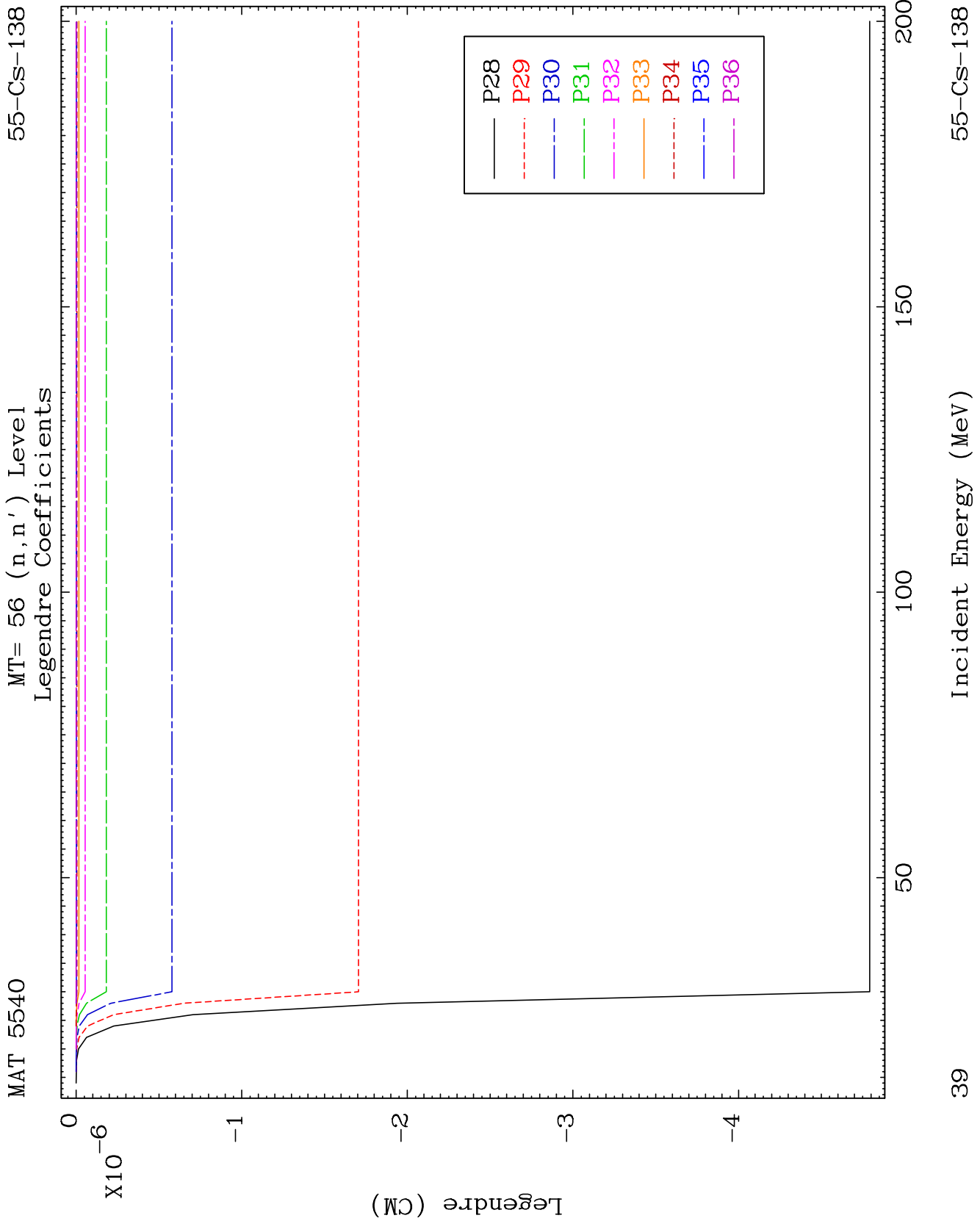
55-Cs-138



38

Incident Energy (MeV)

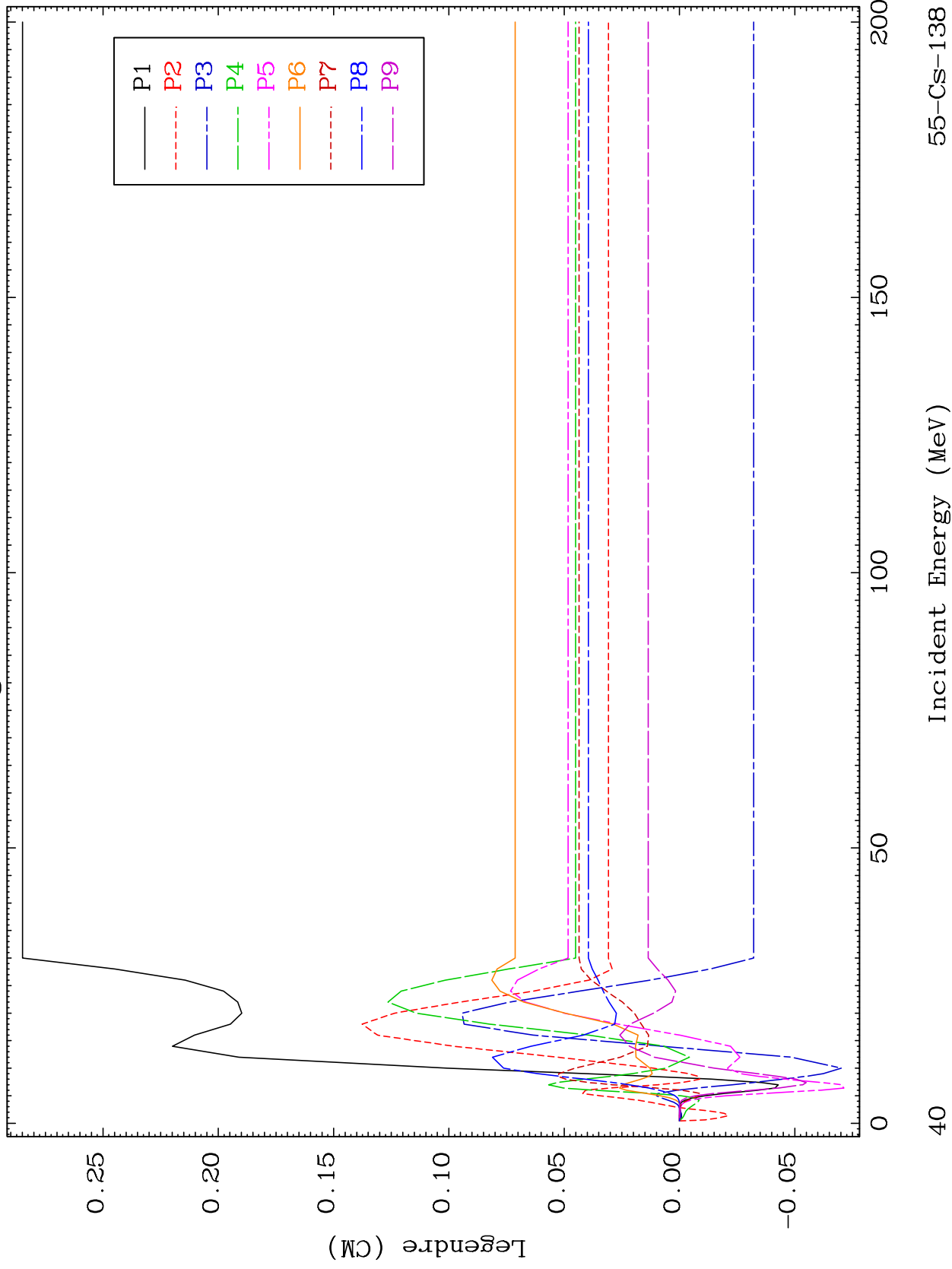
55-Cs-138



MAT 5540

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

55-Cs-138



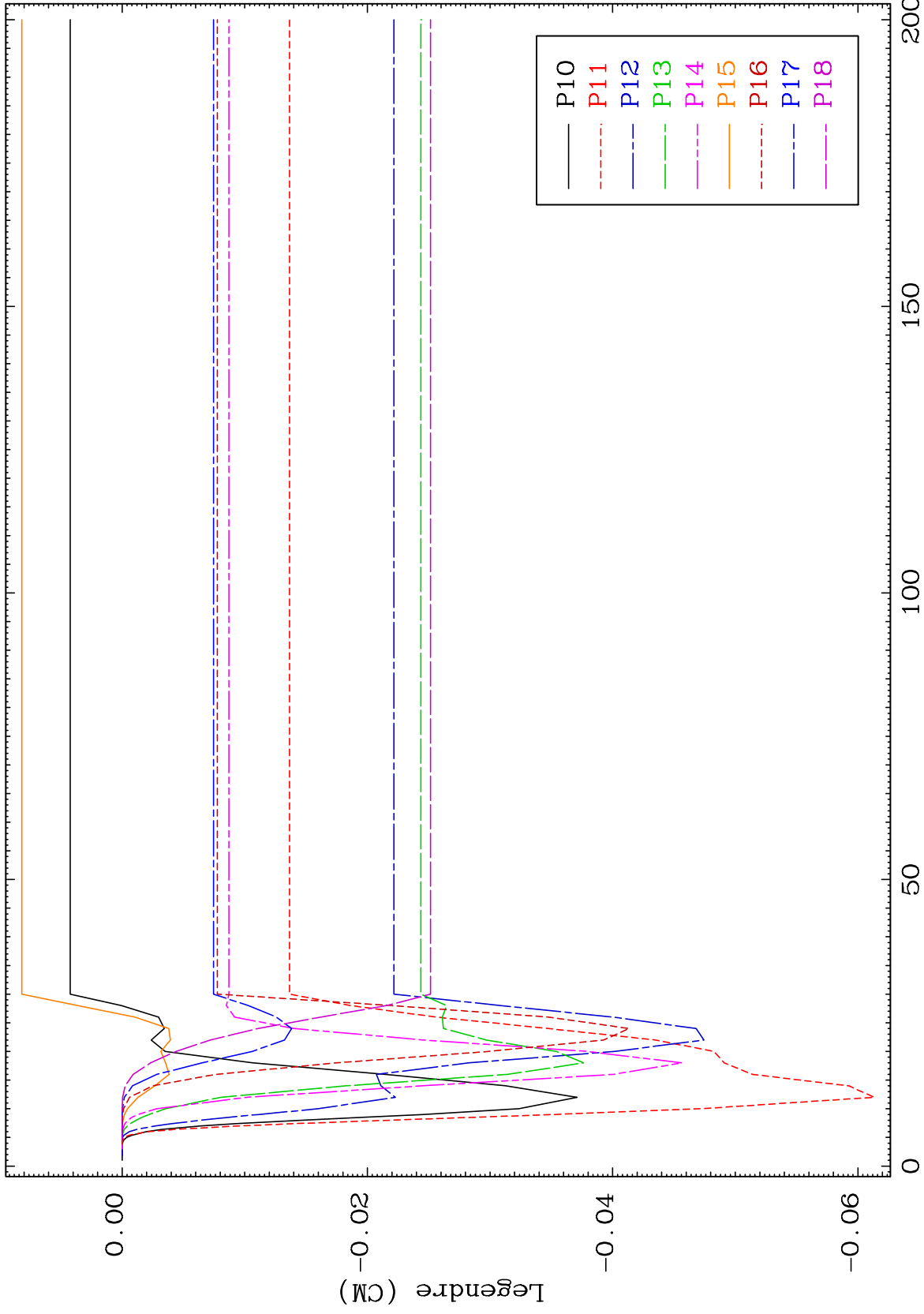
55-Cs-138

Incident Energy (MeV)

MAT 5540

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

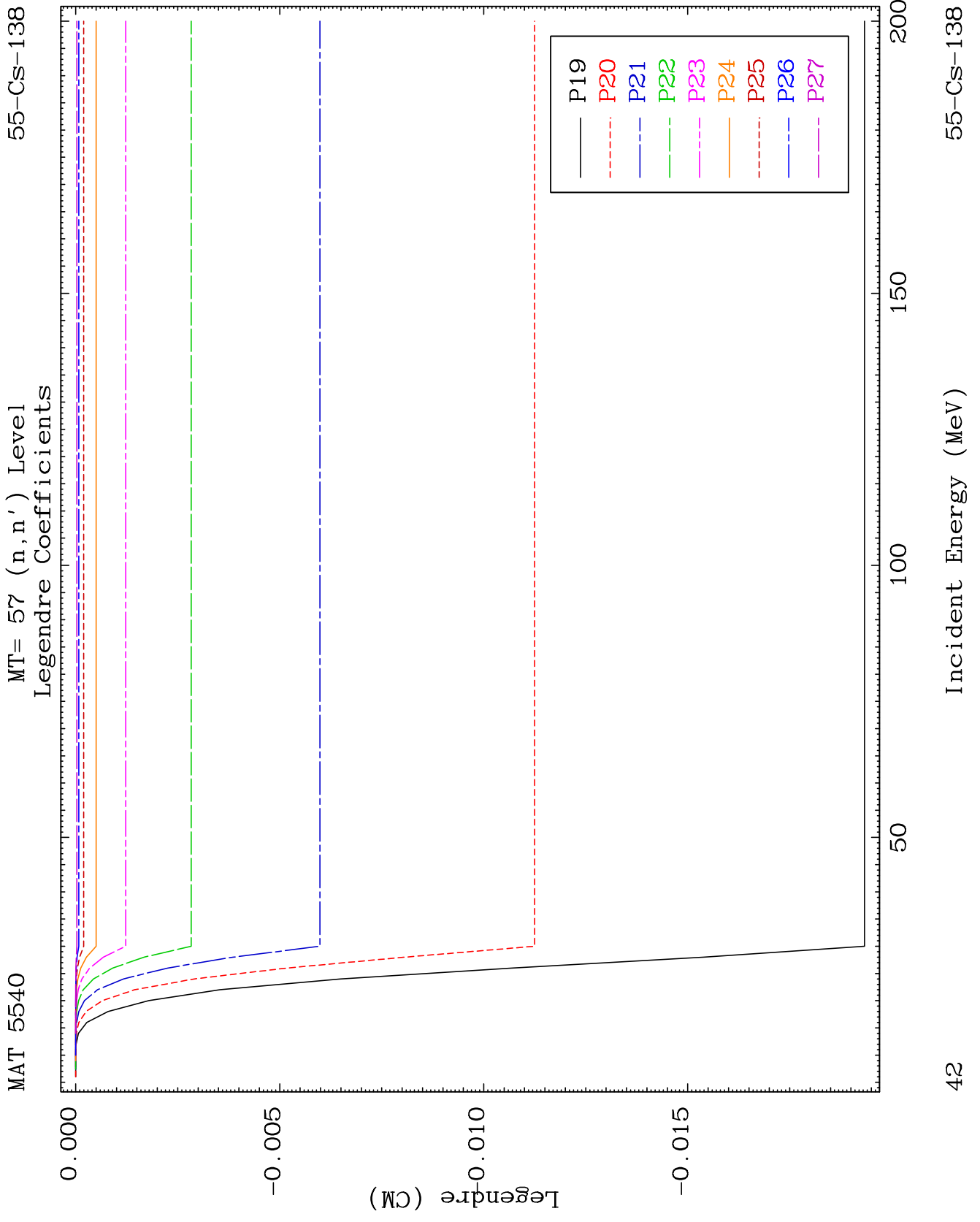
55-Cs-138

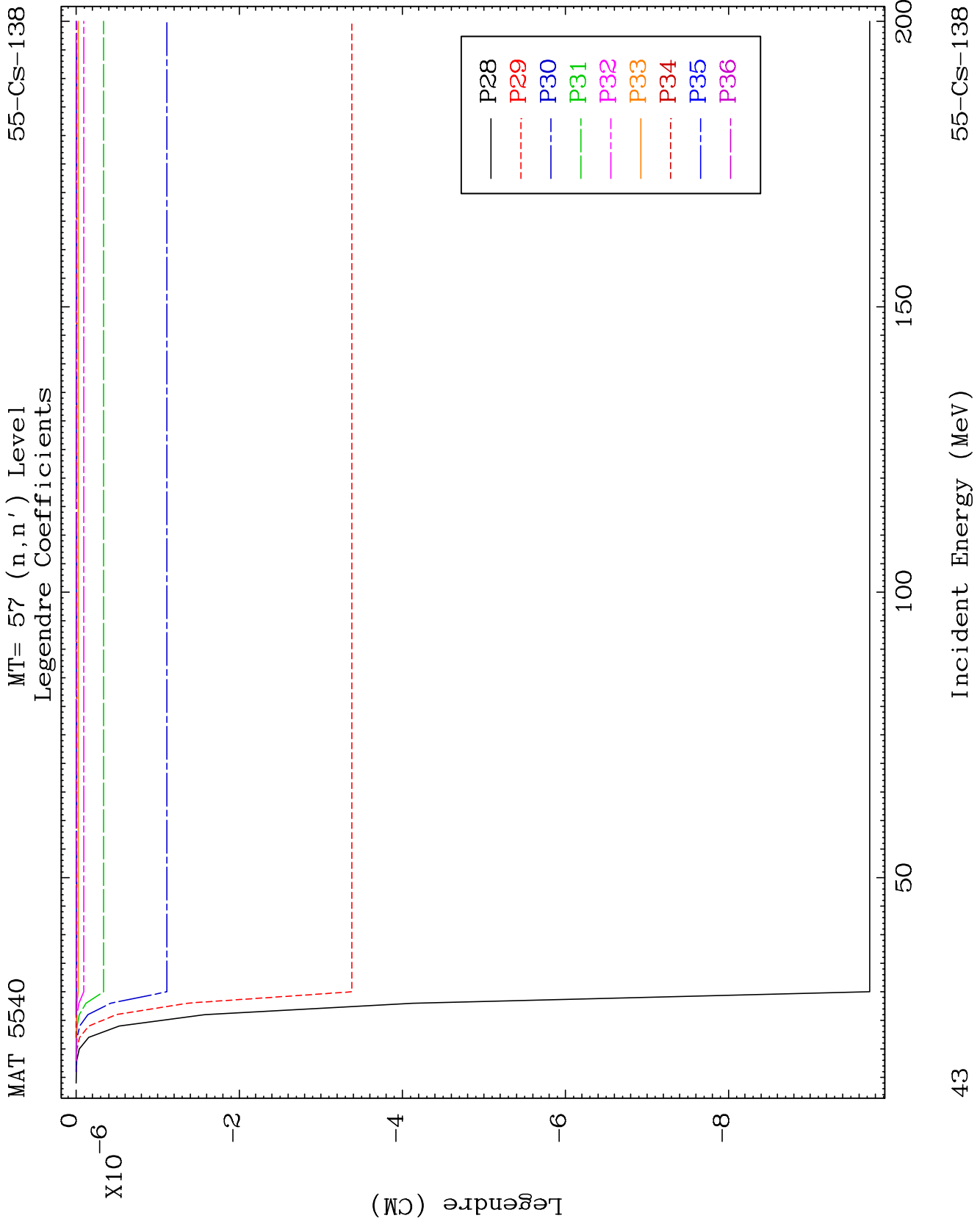


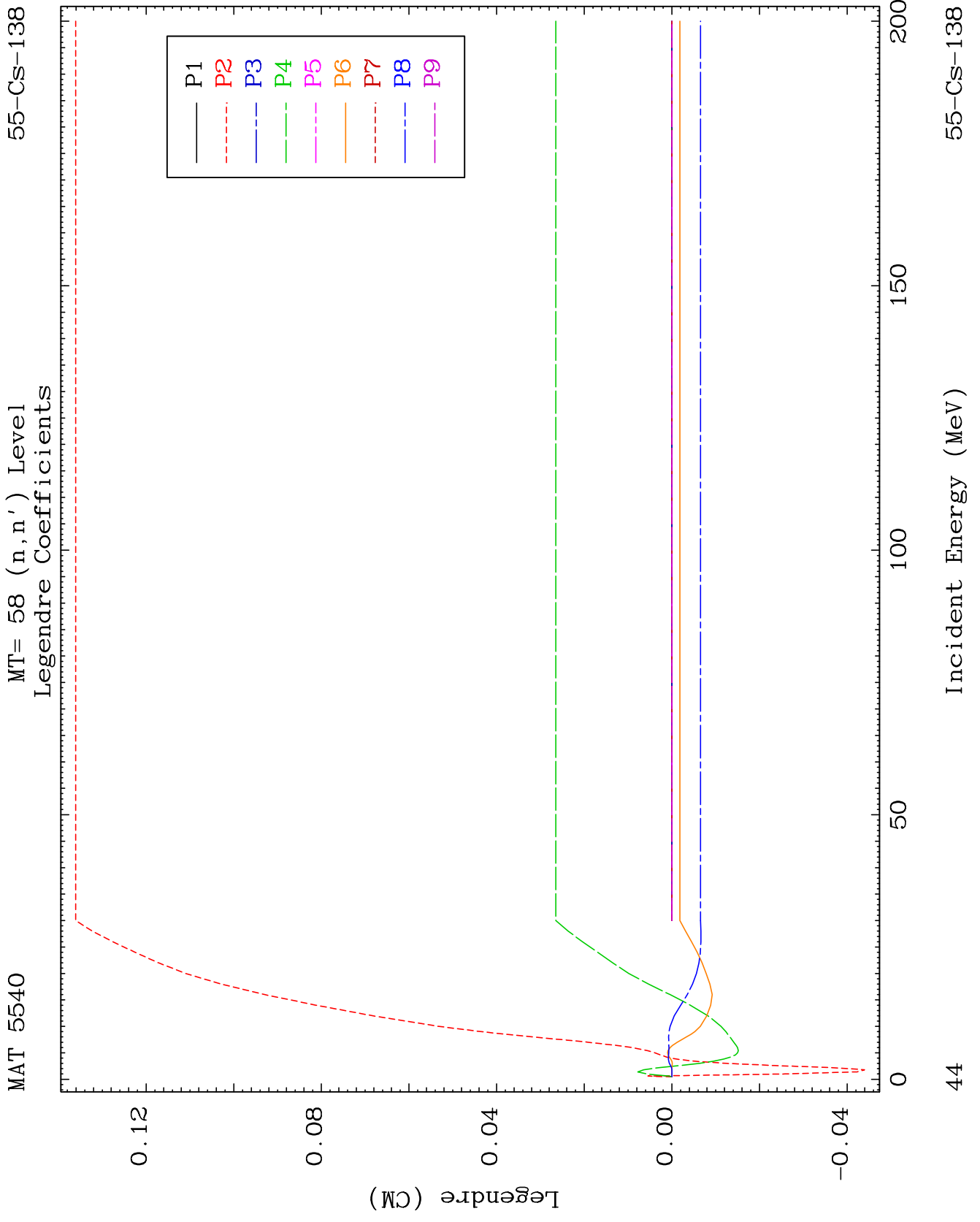
41

Incident Energy (MeV)

55-Cs-138



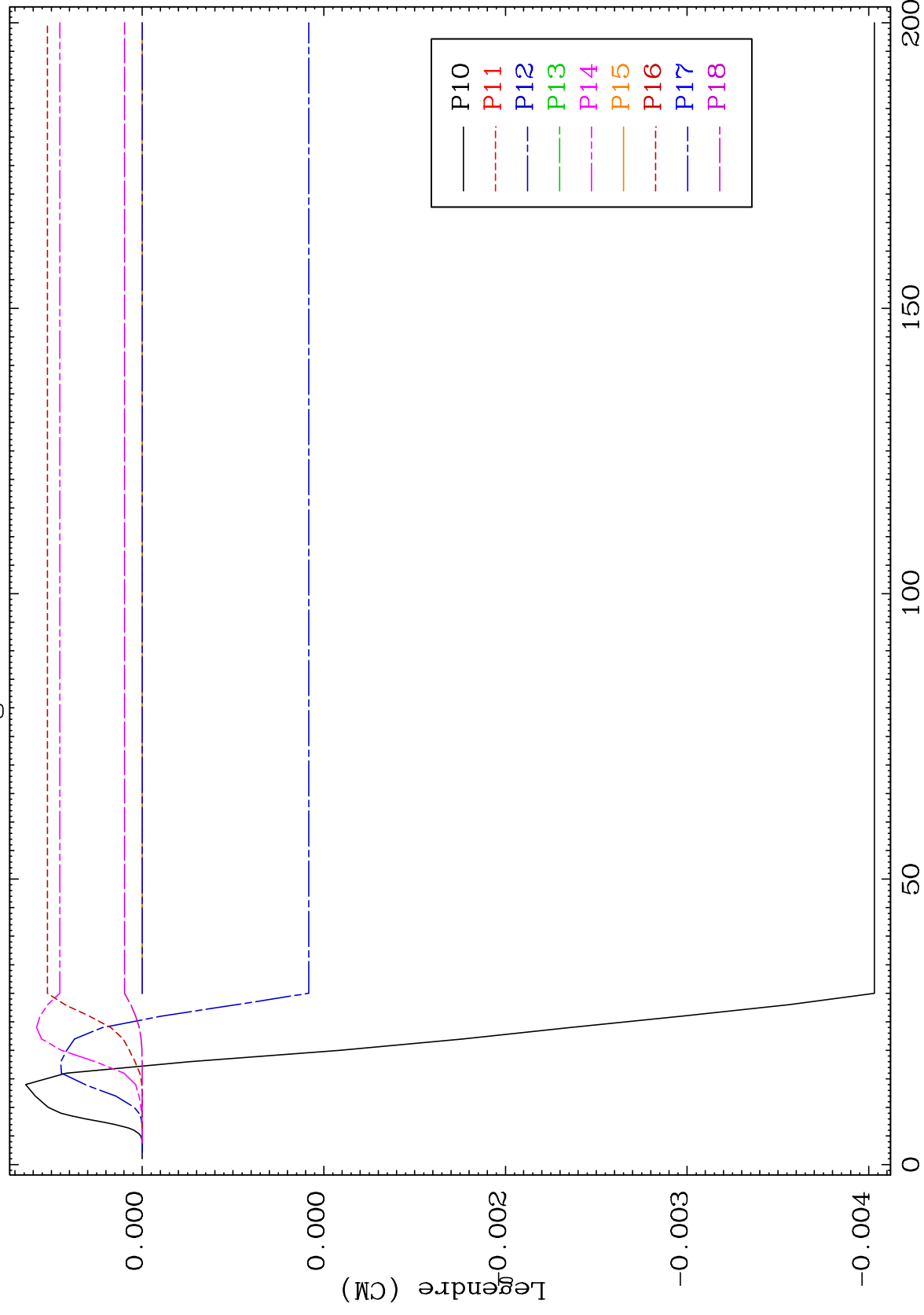




MAT 5540

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

55-Cs-138



45

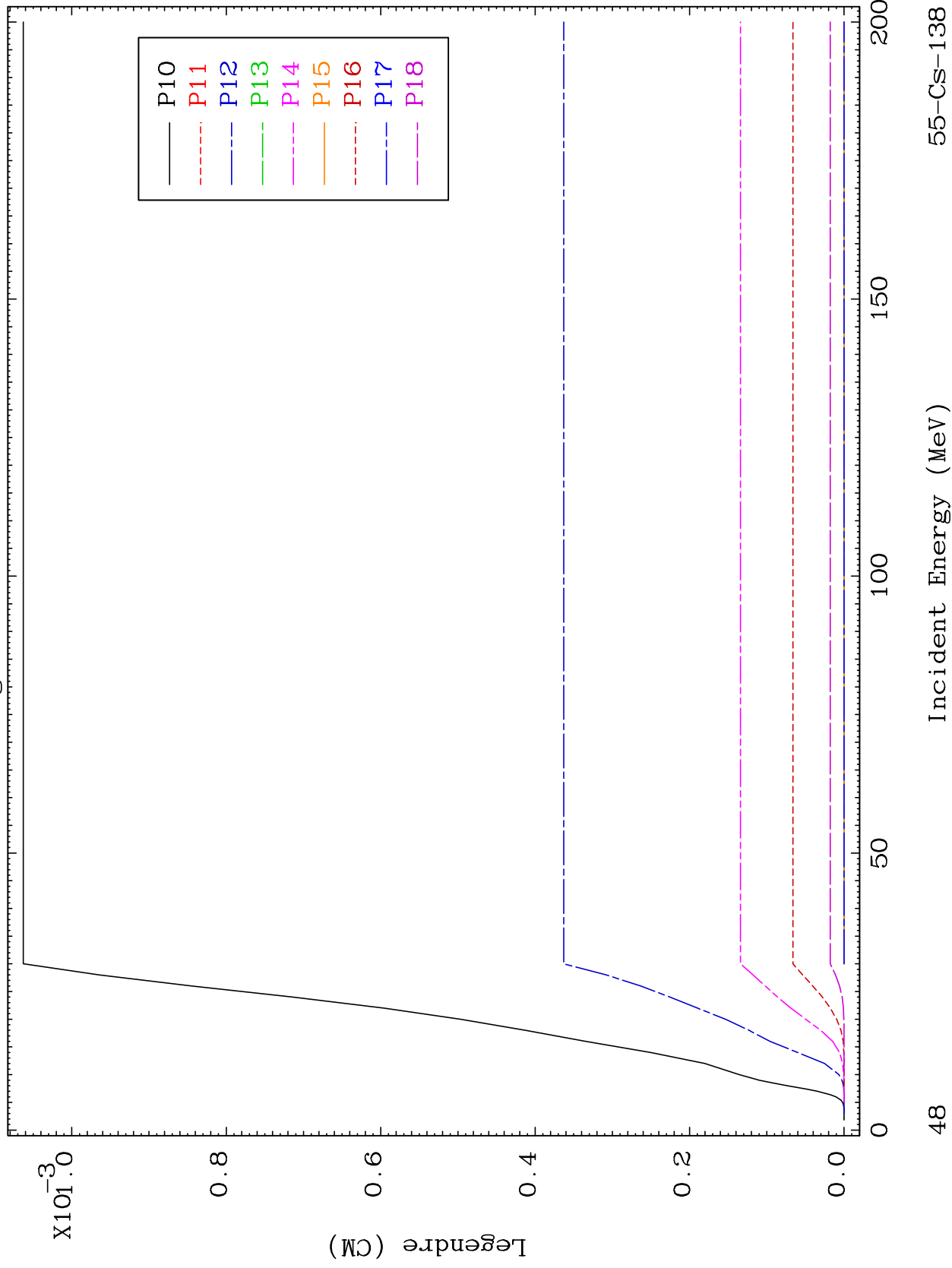
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

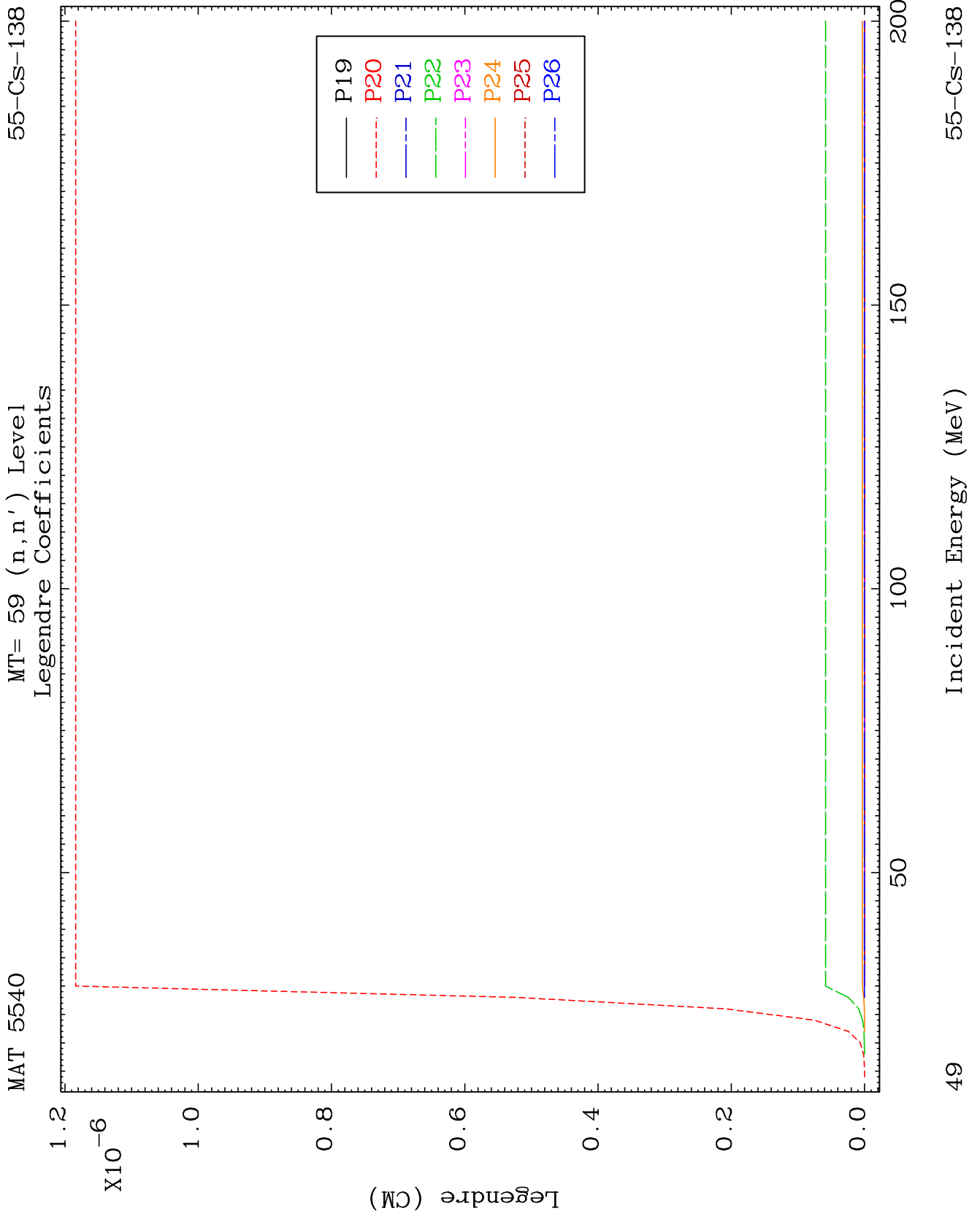
55-Cs-138



55-Cs-138

Incident Energy (MeV)

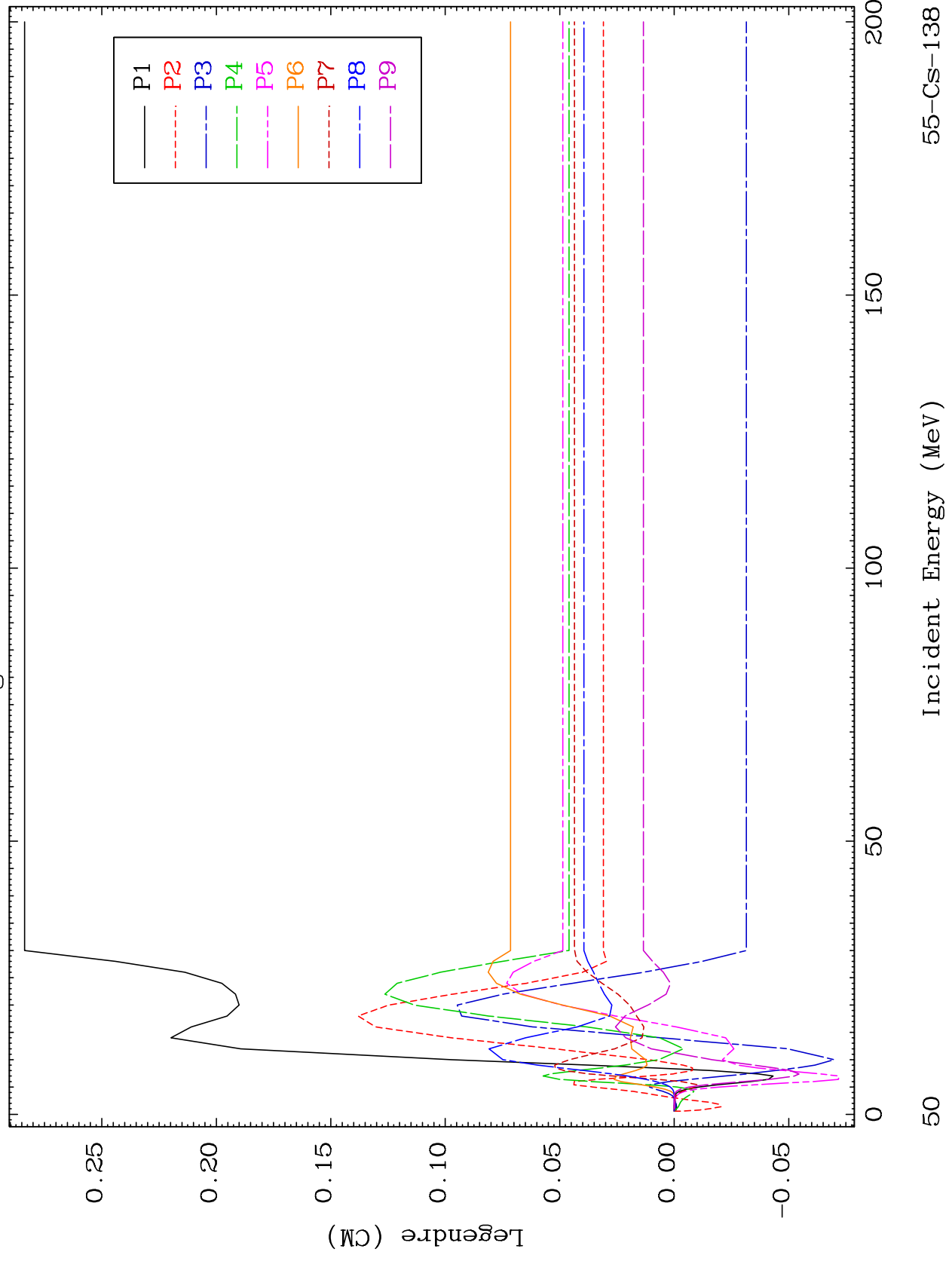
48



MAT 5540

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

55-Cs-138



55-Cs-138

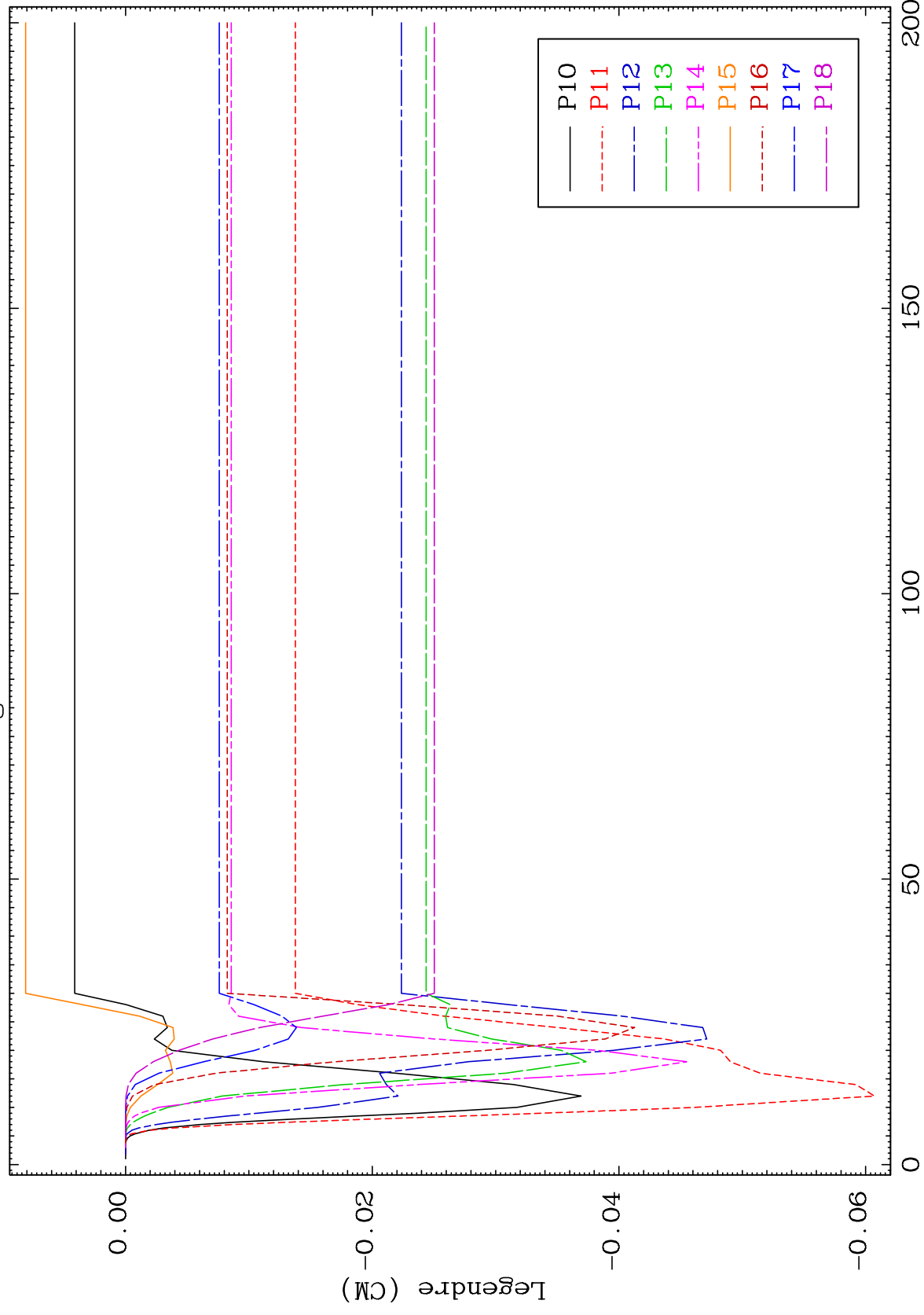
Incident Energy (MeV)

50

MAT 5540

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

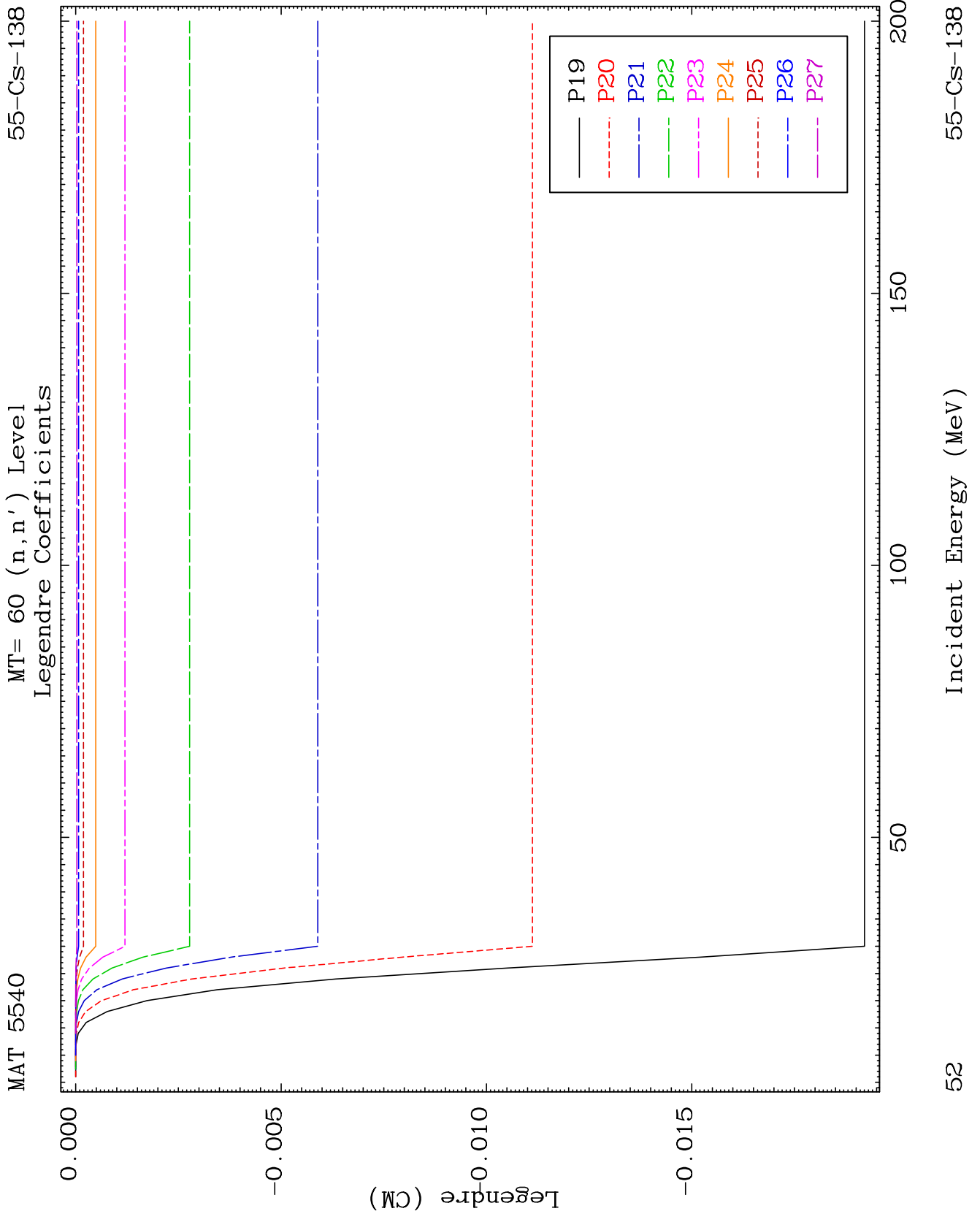
55-Cs-138

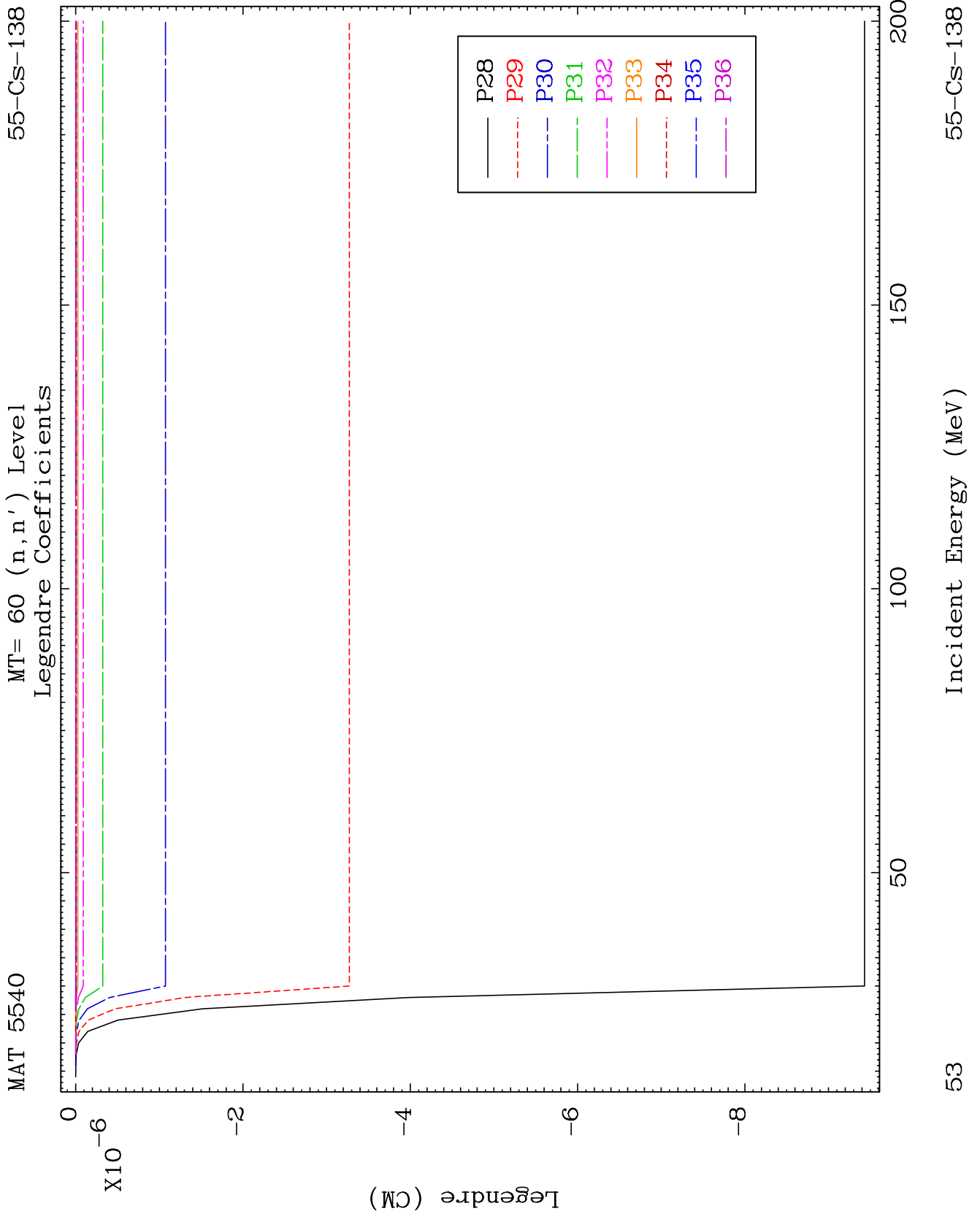


51

Incident Energy (MeV)

55-Cs-138

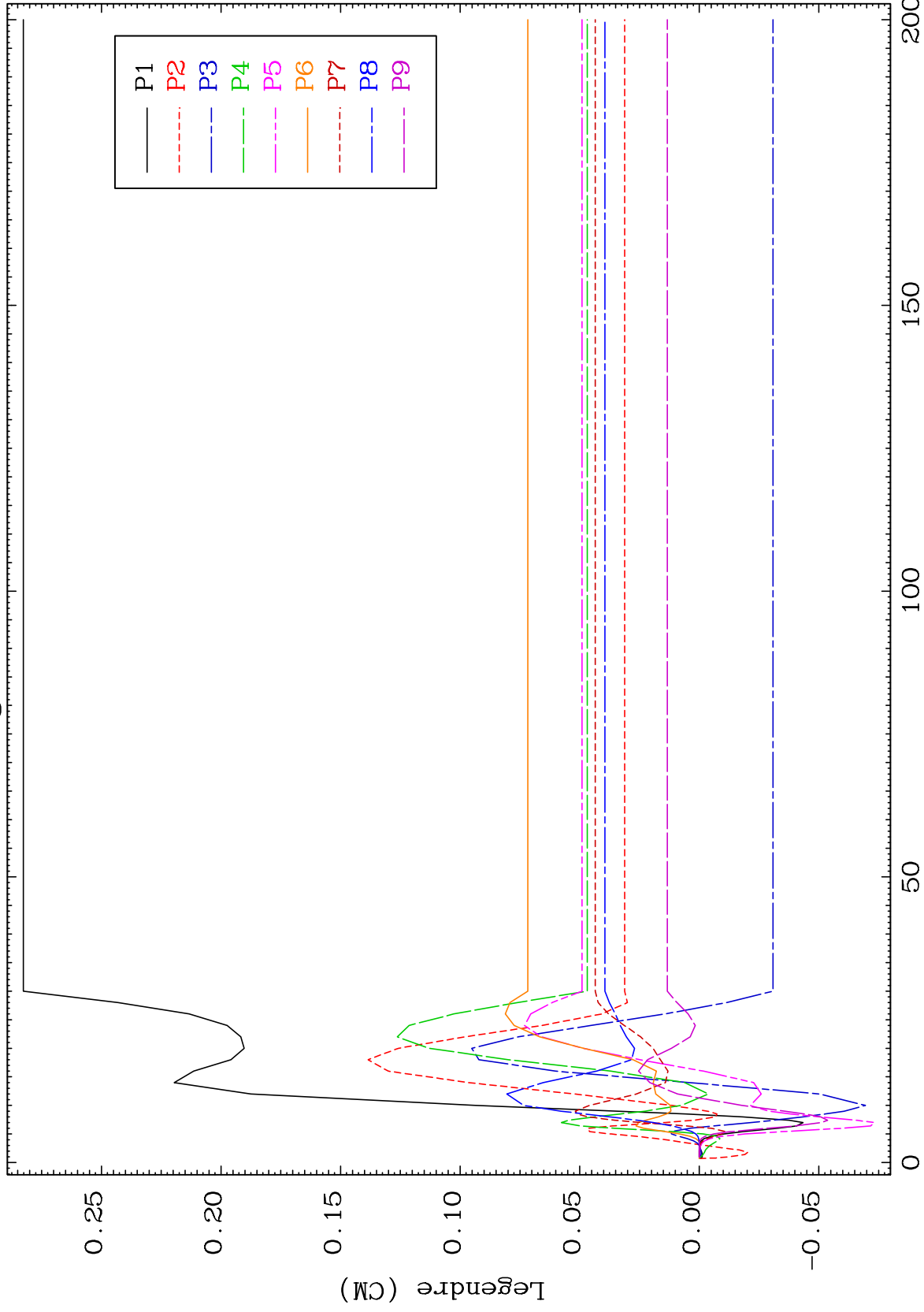




MAT 5540

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

55-Cs-138



54

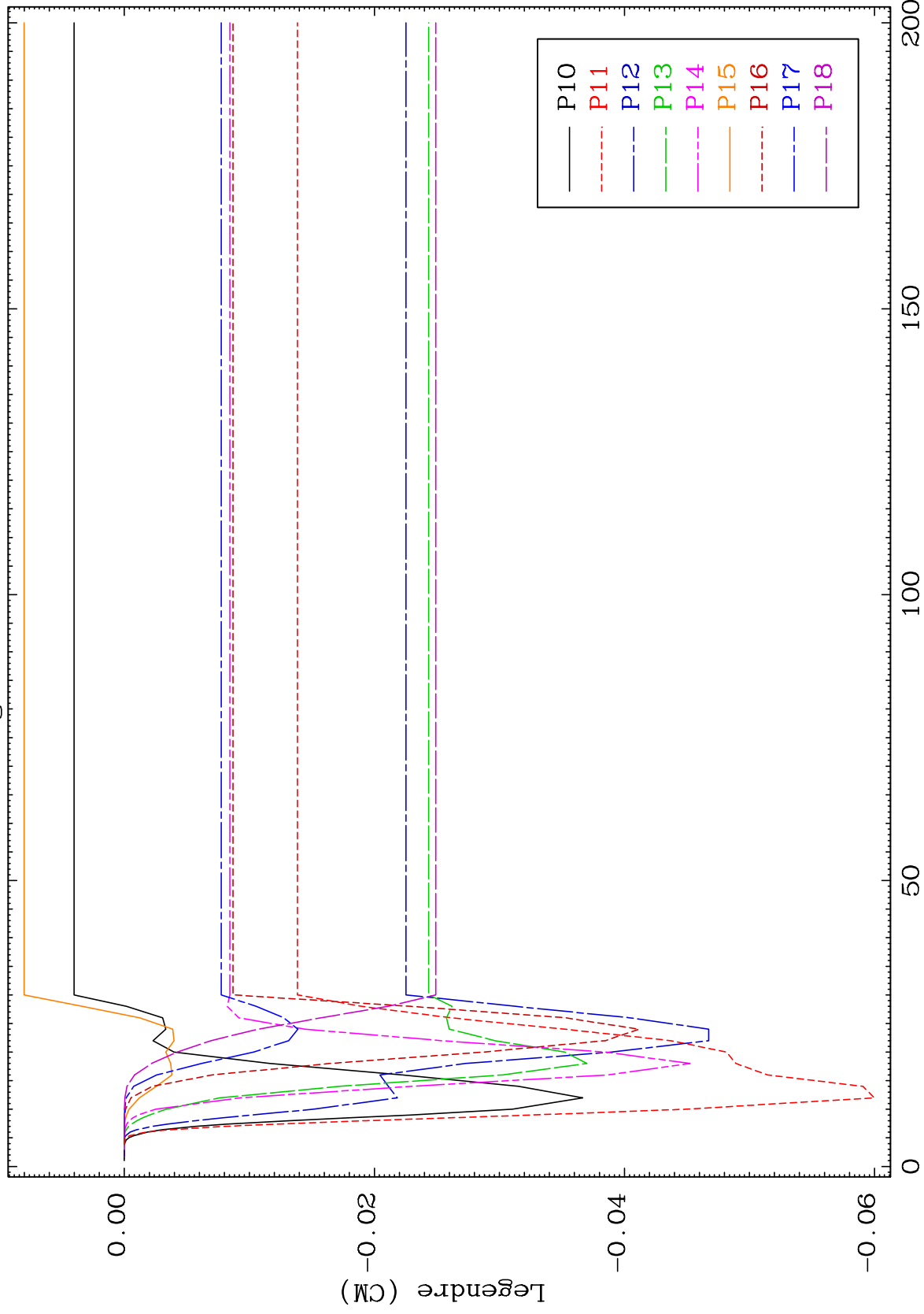
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

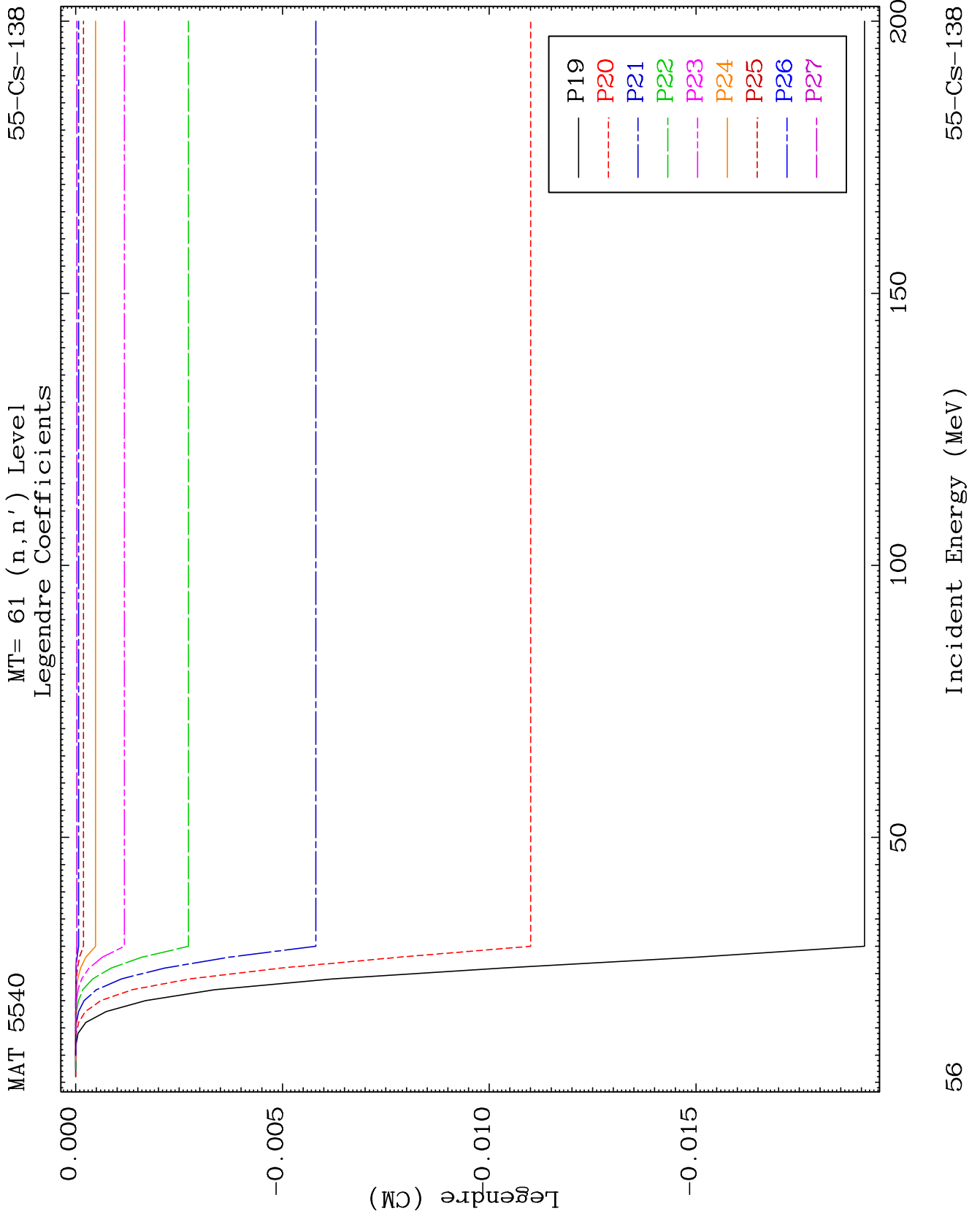
55-Cs-138

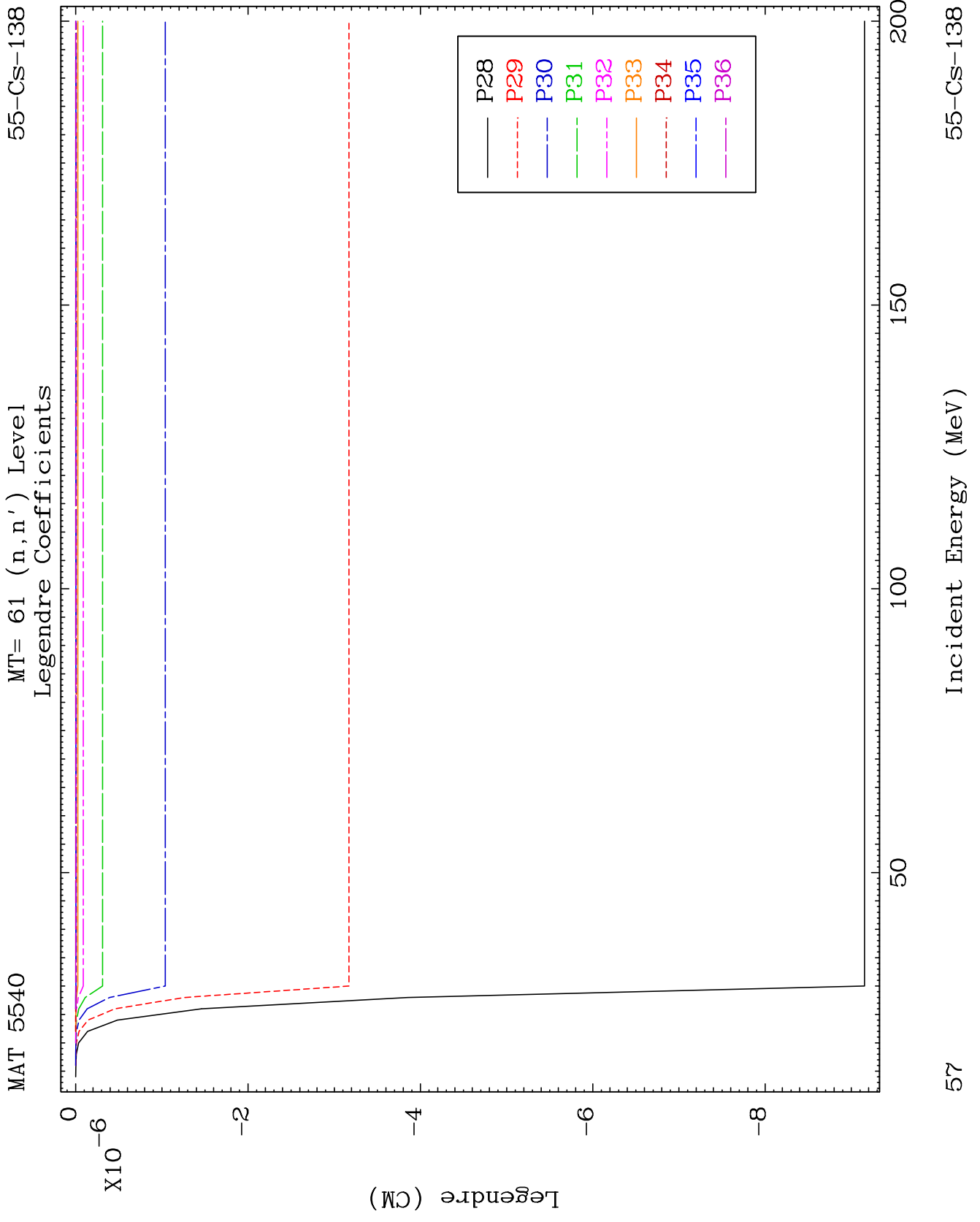


55-Cs-138

Incident Energy (MeV)

55

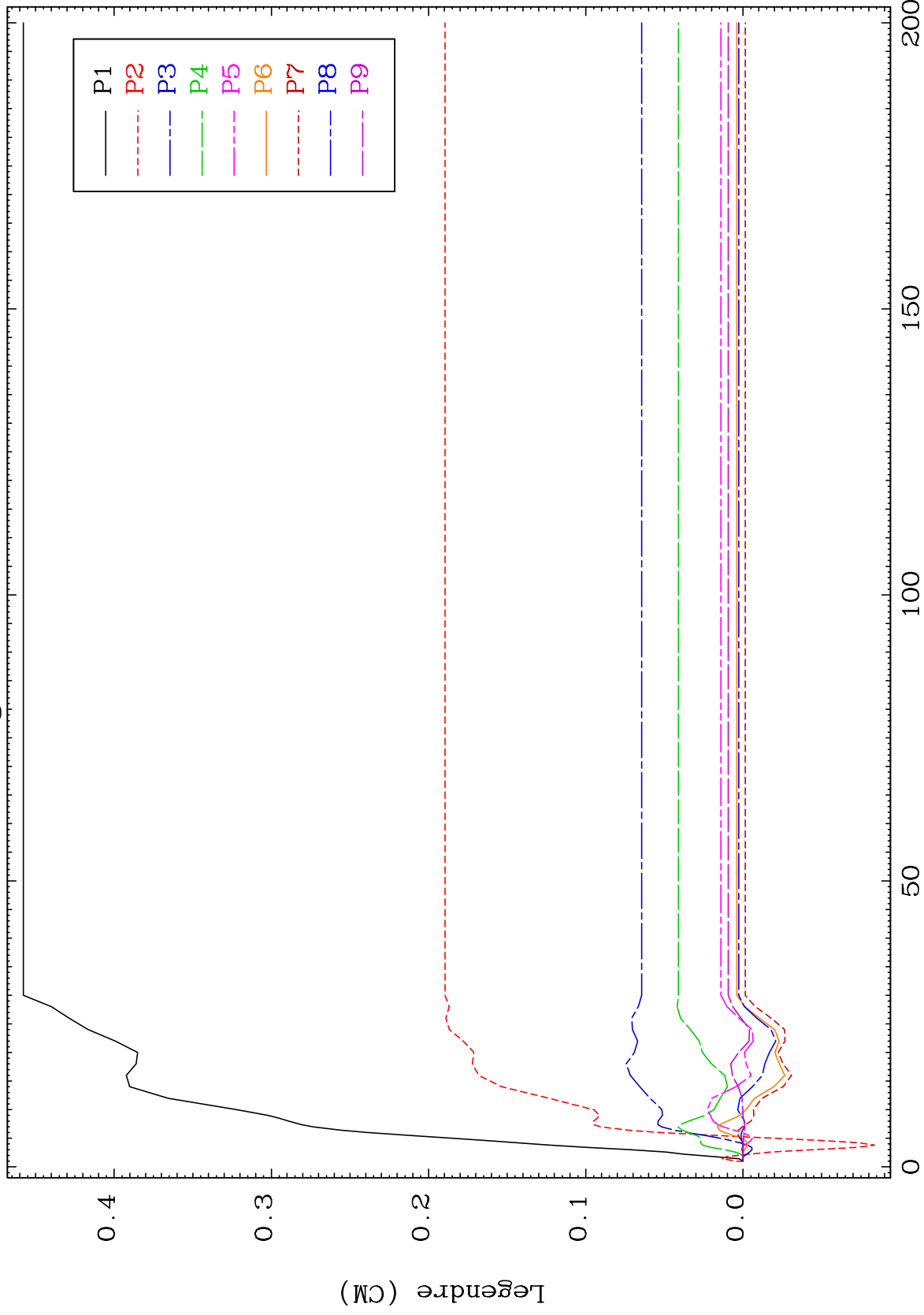




MAT 5540

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

55-Cs-138



58

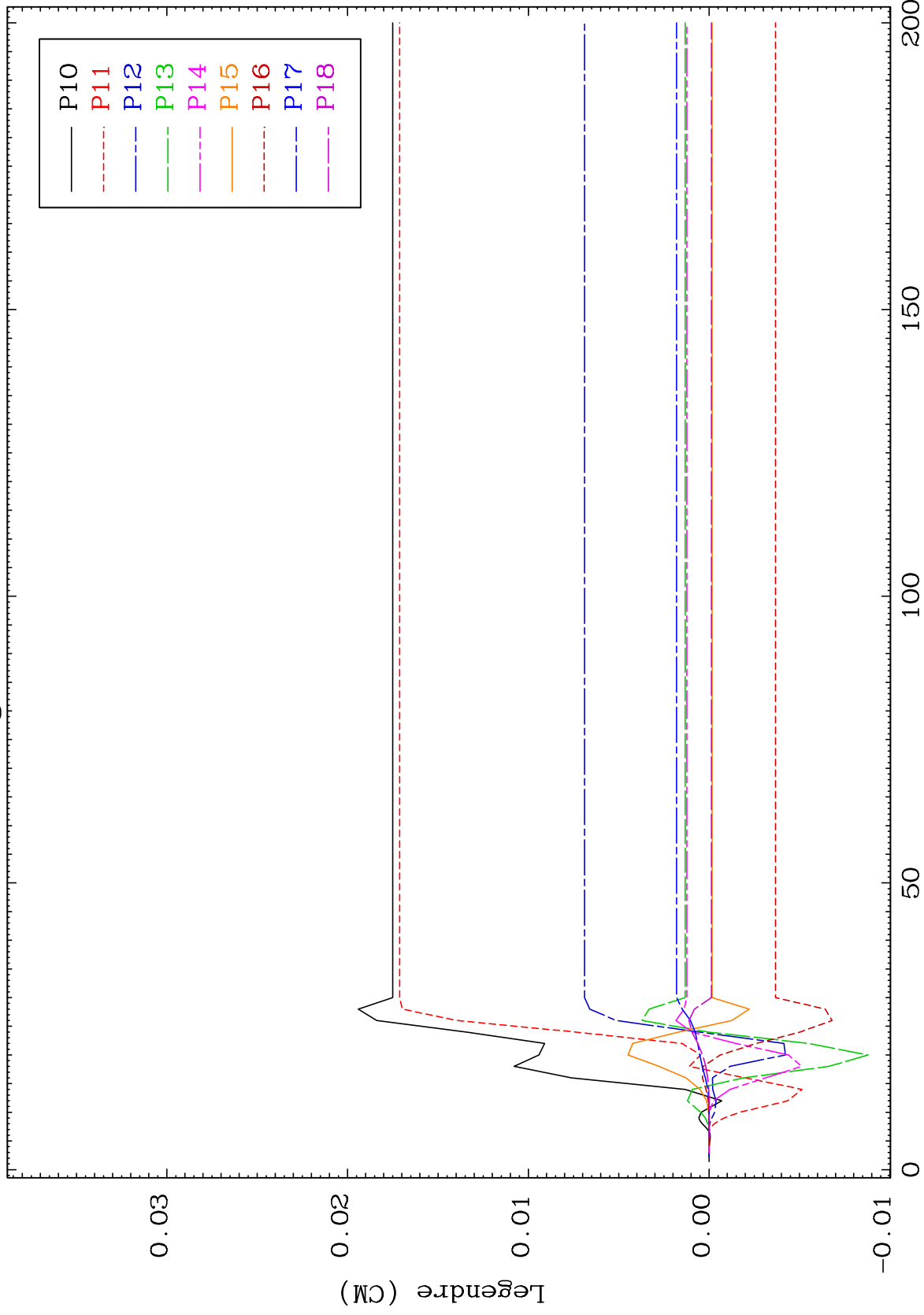
55-Cs-138

55-Cs-138

MAT 5540

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

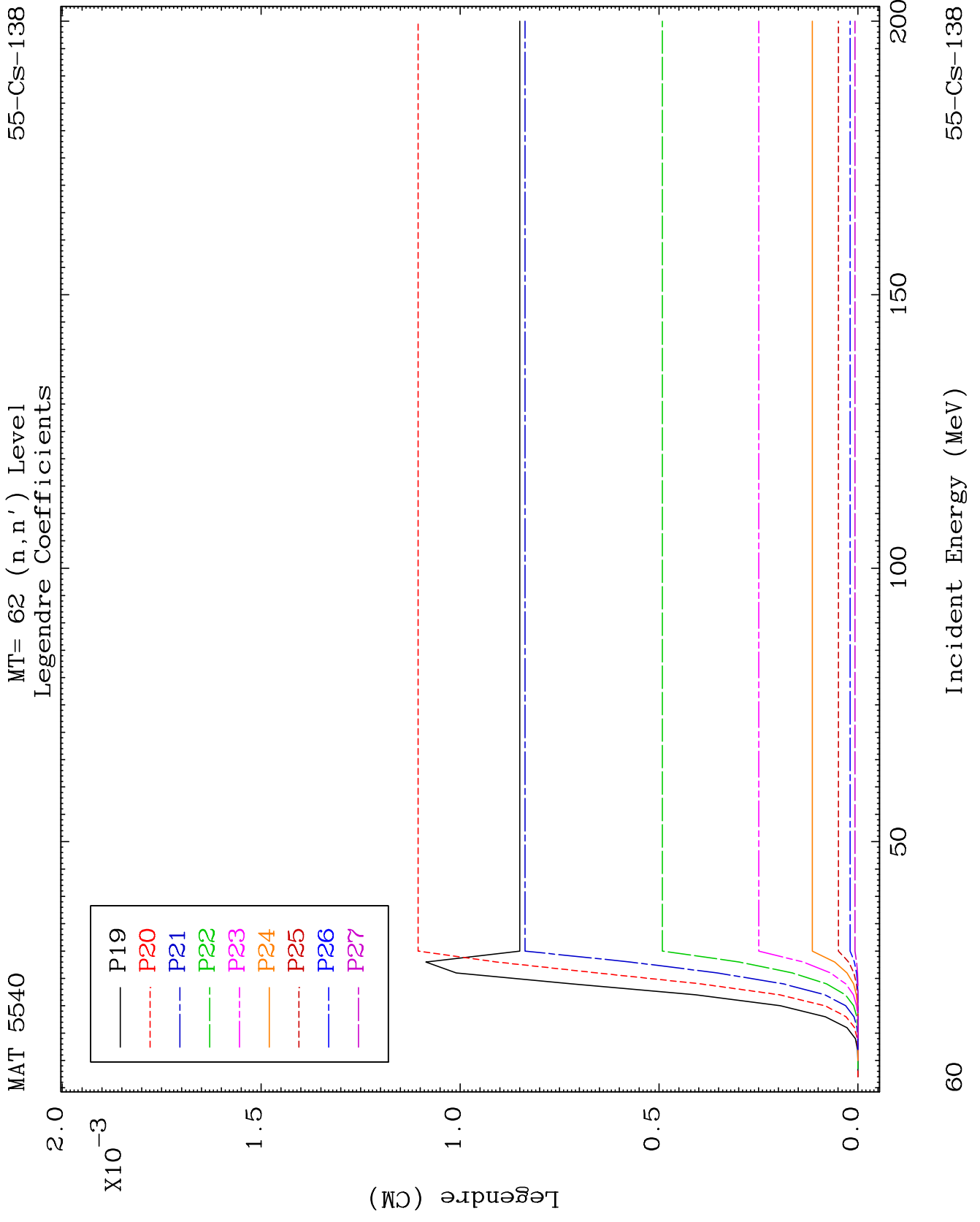
55-Cs-138



59

Incident Energy (MeV)

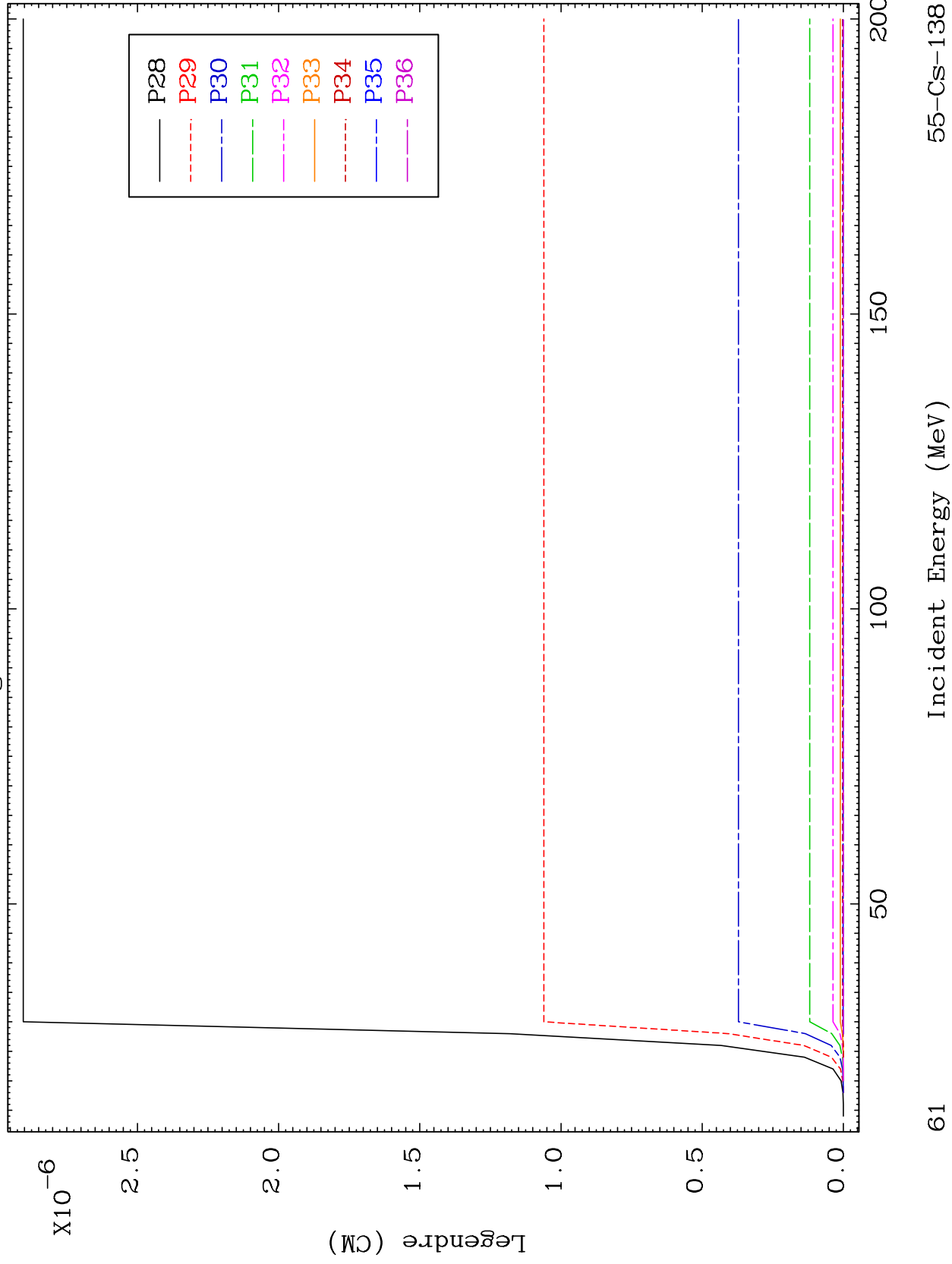
55-Cs-138



MAT 5540

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

55-Cs-138



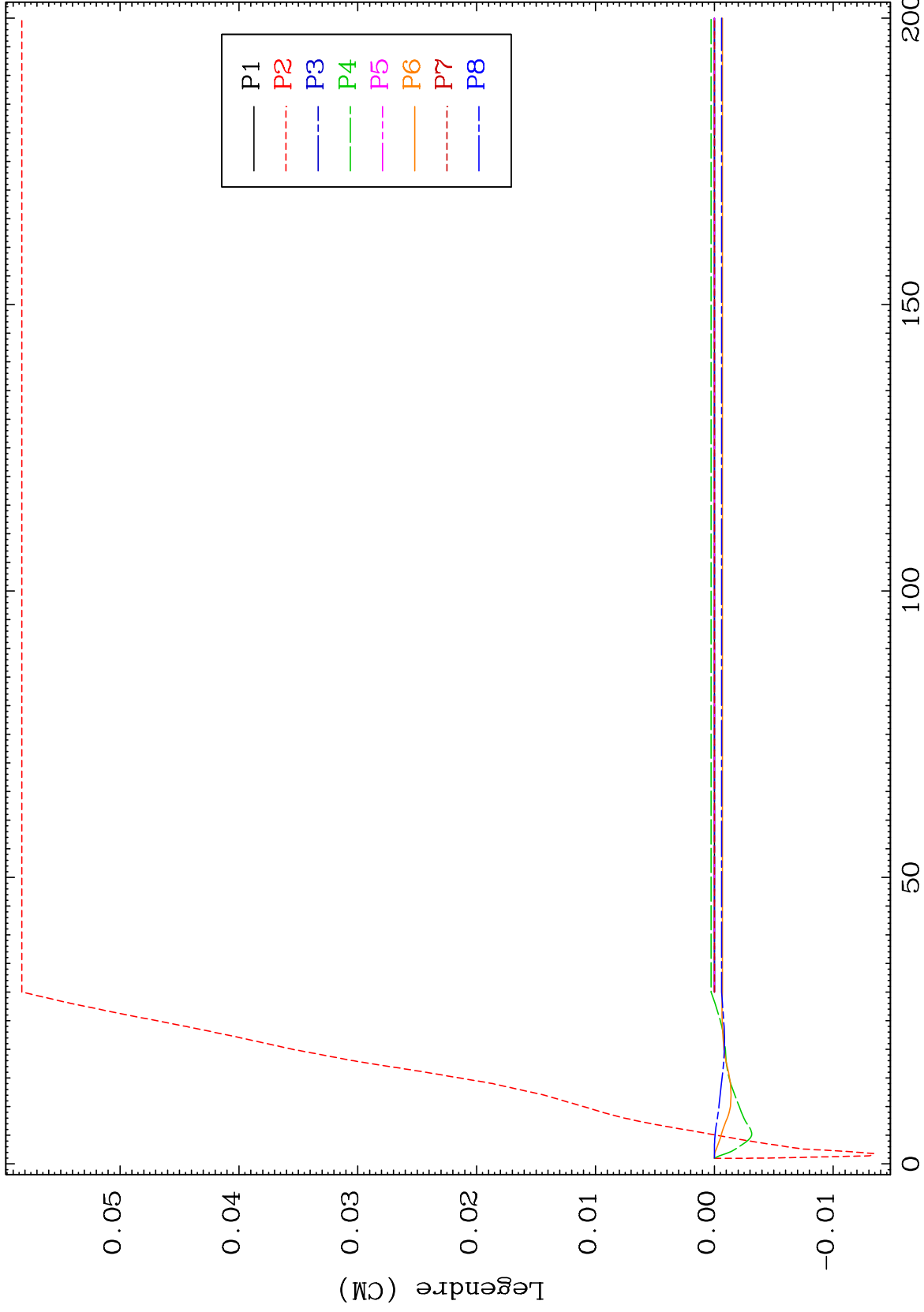
61

55-Cs-138

MAT 5540

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

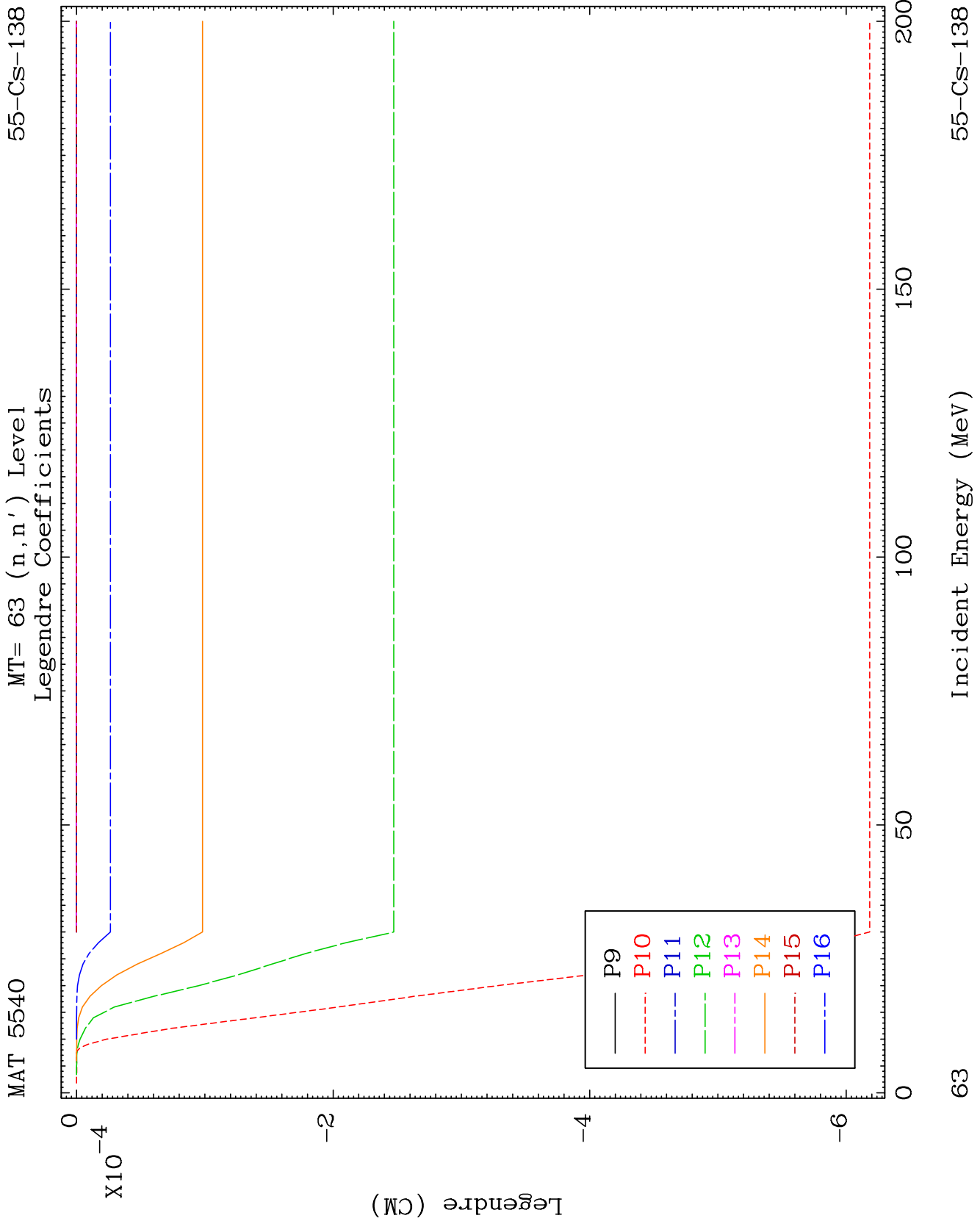
55-Cs-138



55-Cs-138

Incident Energy (MeV)

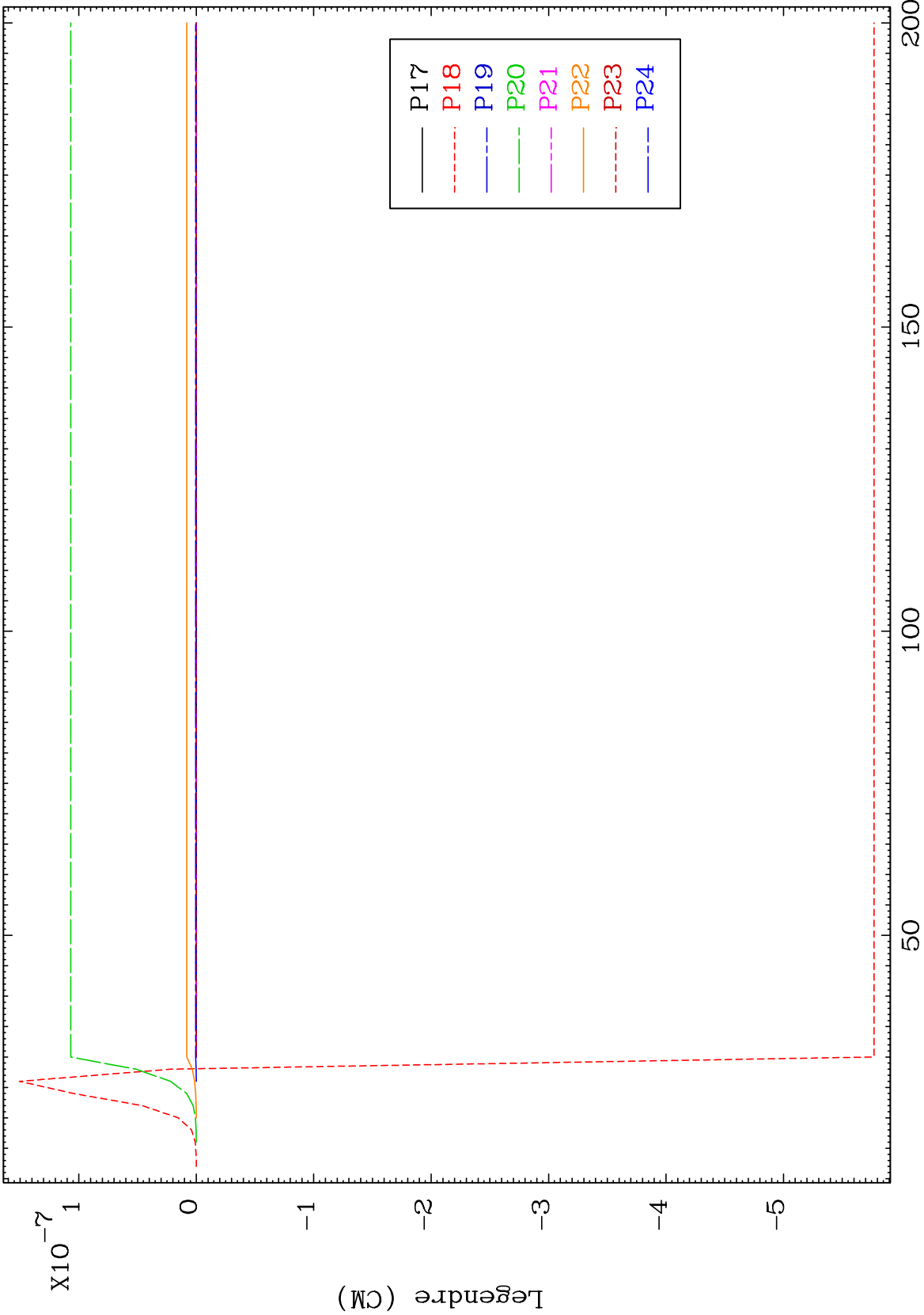
62



MAT 5540

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

55-Cs-138



64

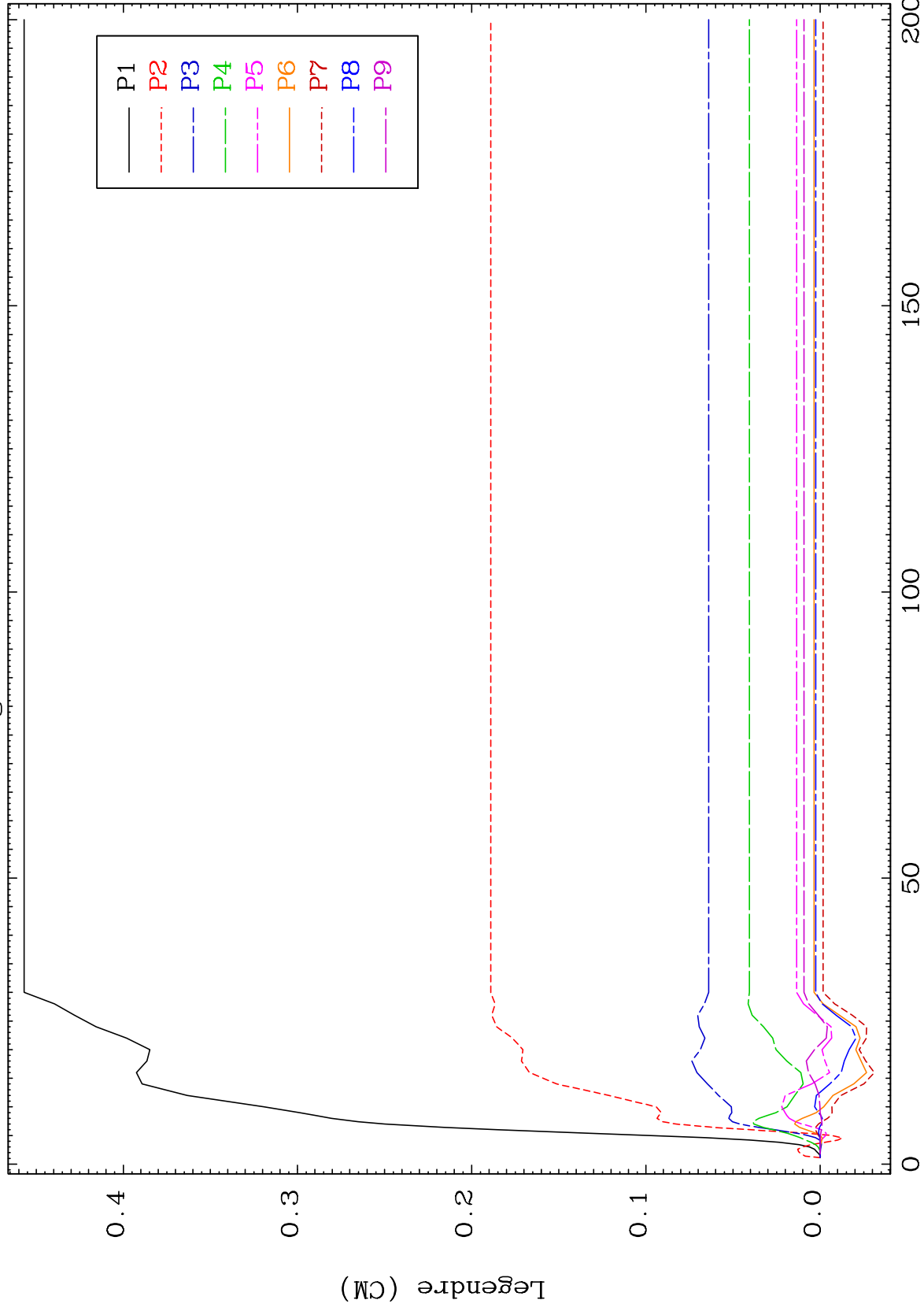
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



65

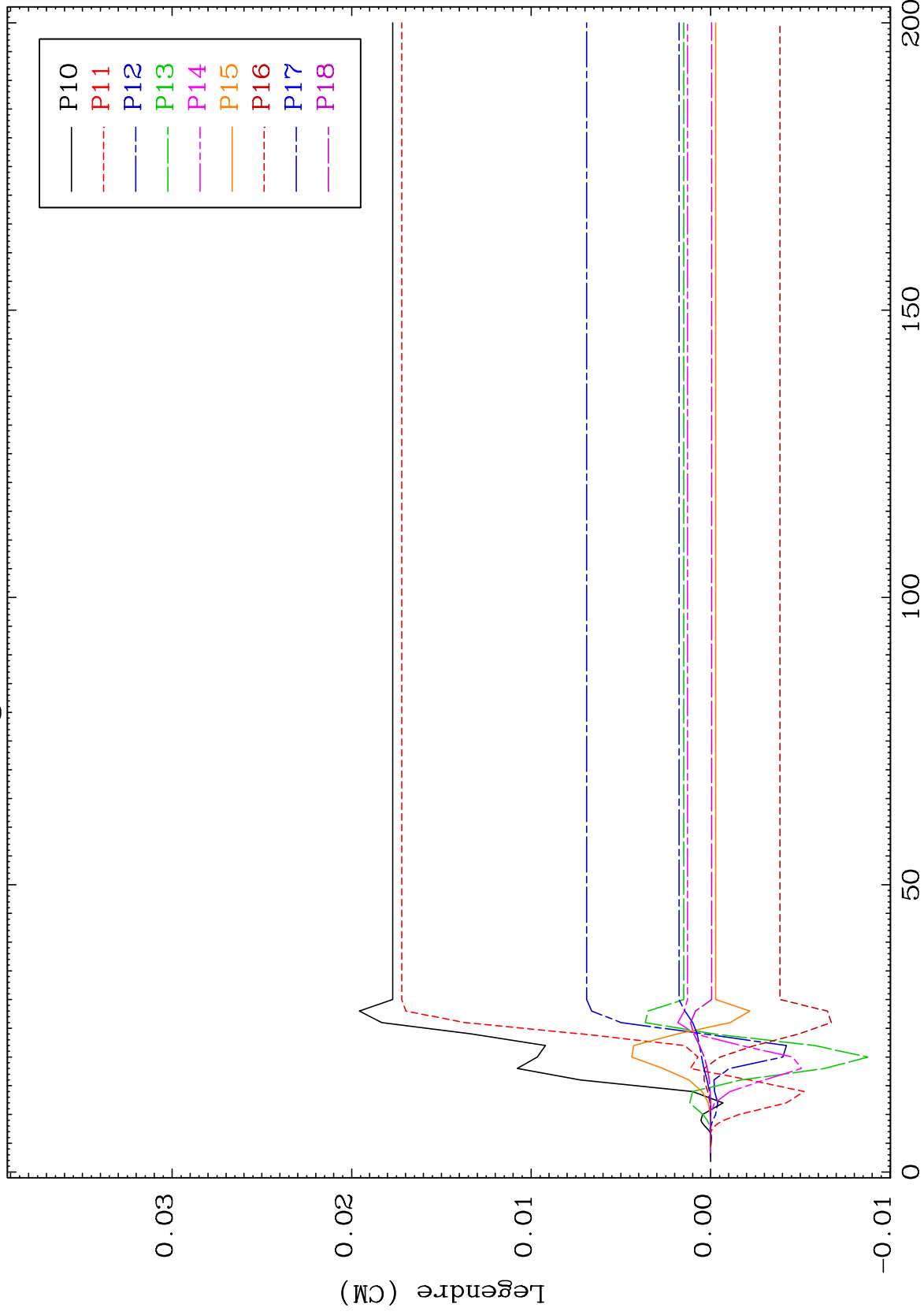
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



66

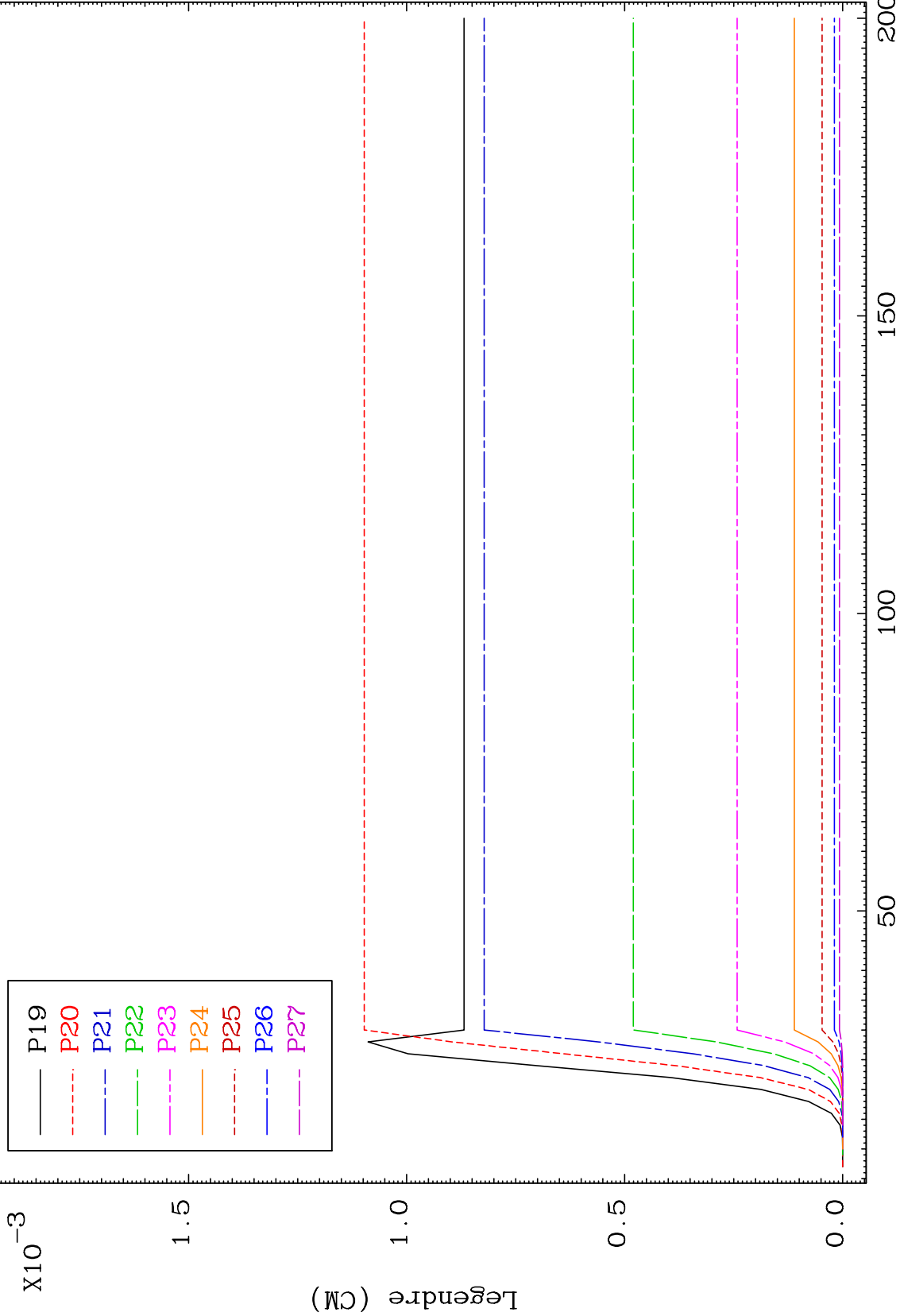
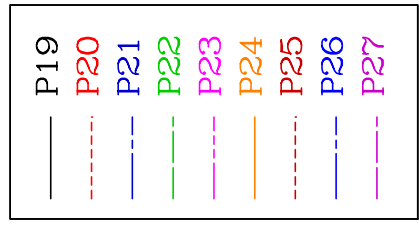
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



67

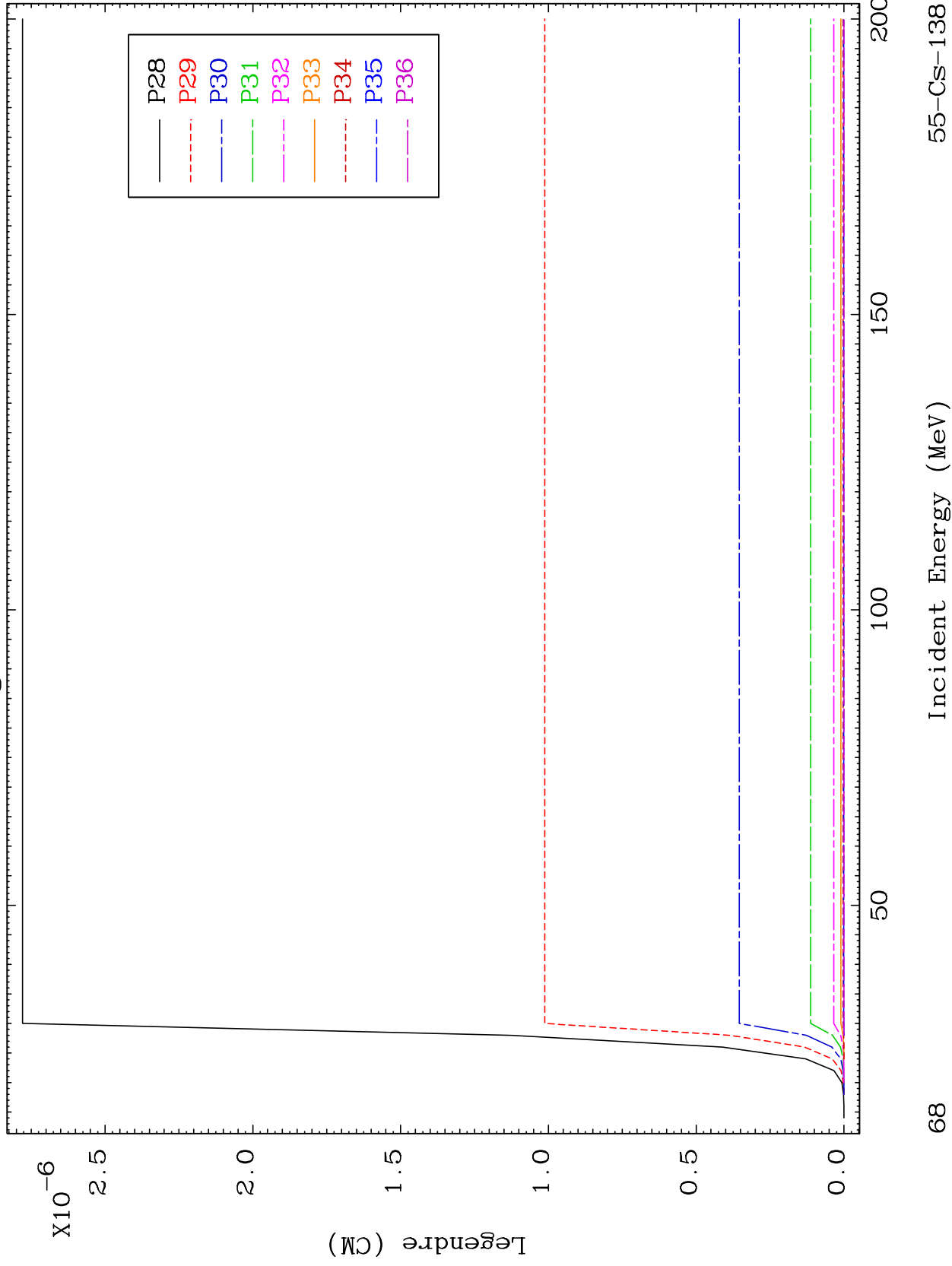
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



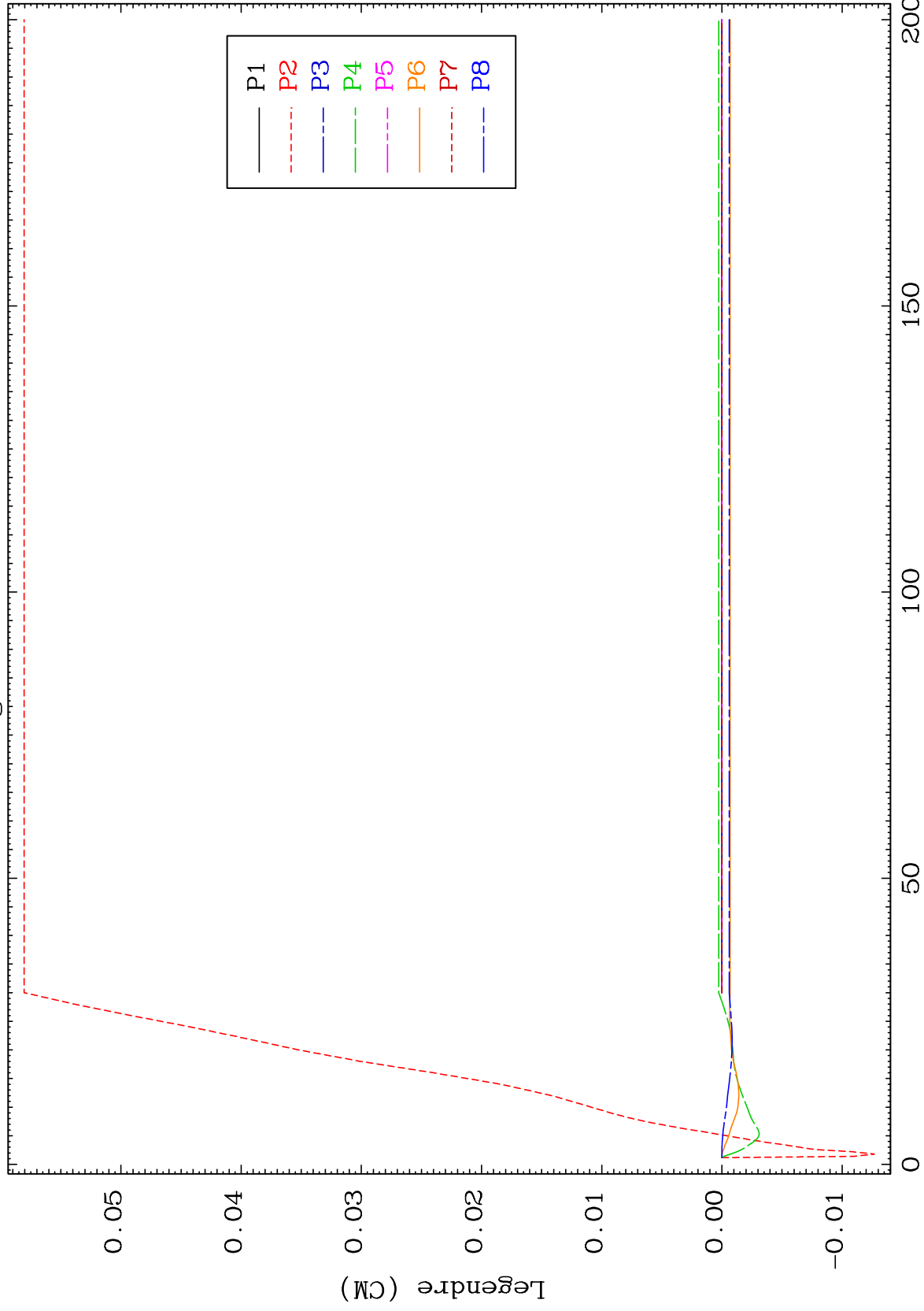
68

55-Cs-138

MAT 5540

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

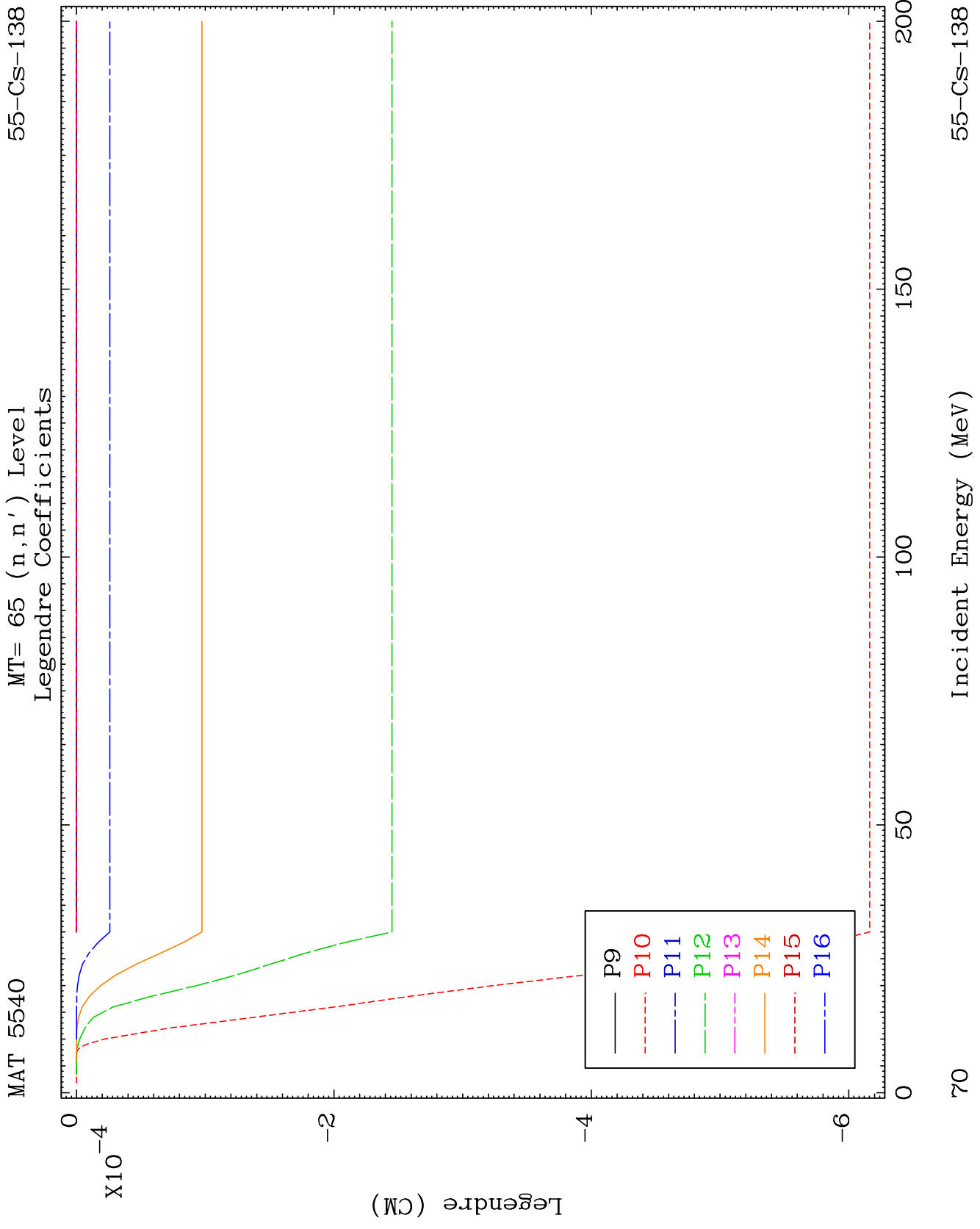
55-Cs-138



55-Cs-138

Incident Energy (MeV)

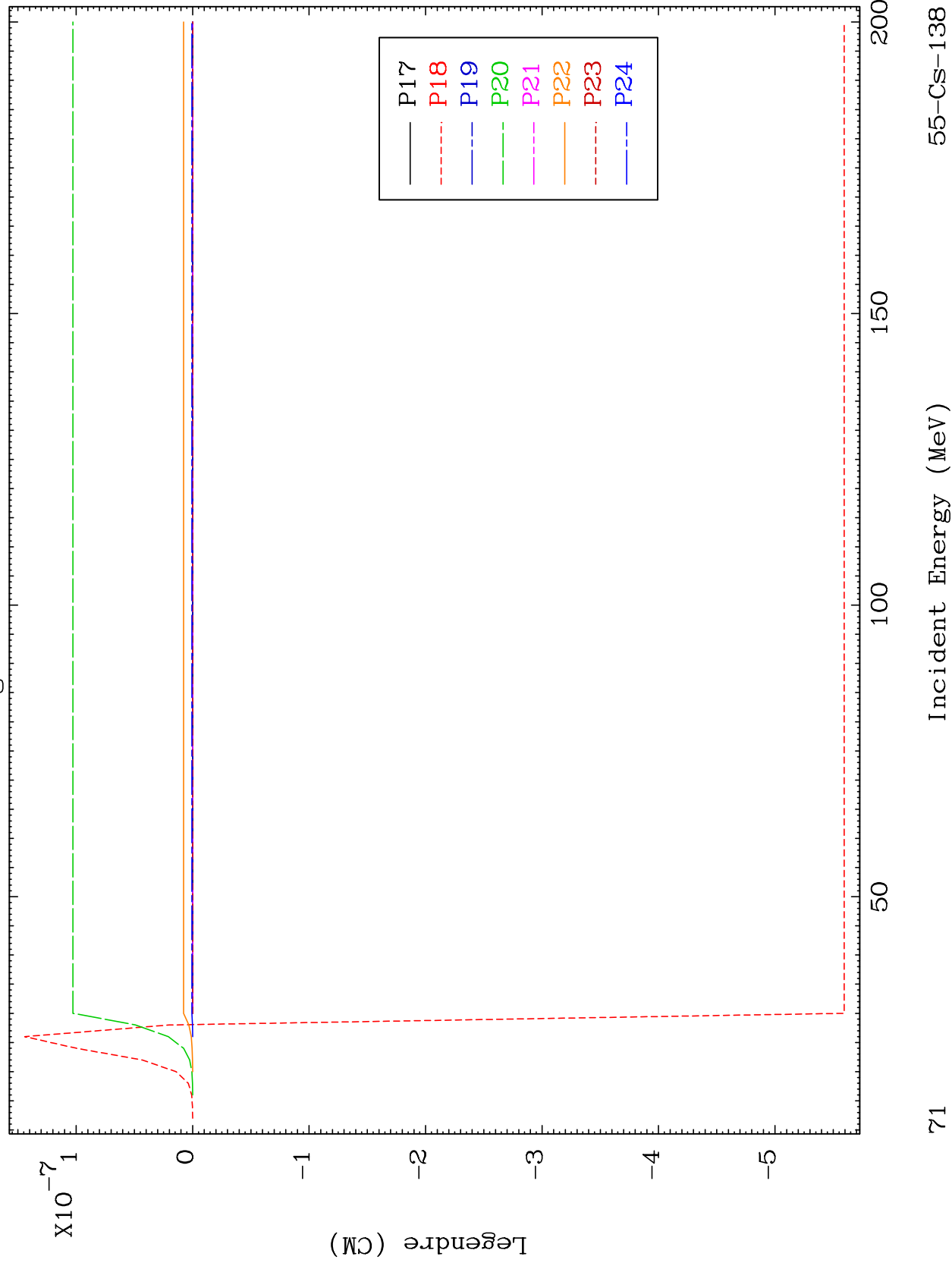
69



MAT 5540

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

55-Cs-138



71

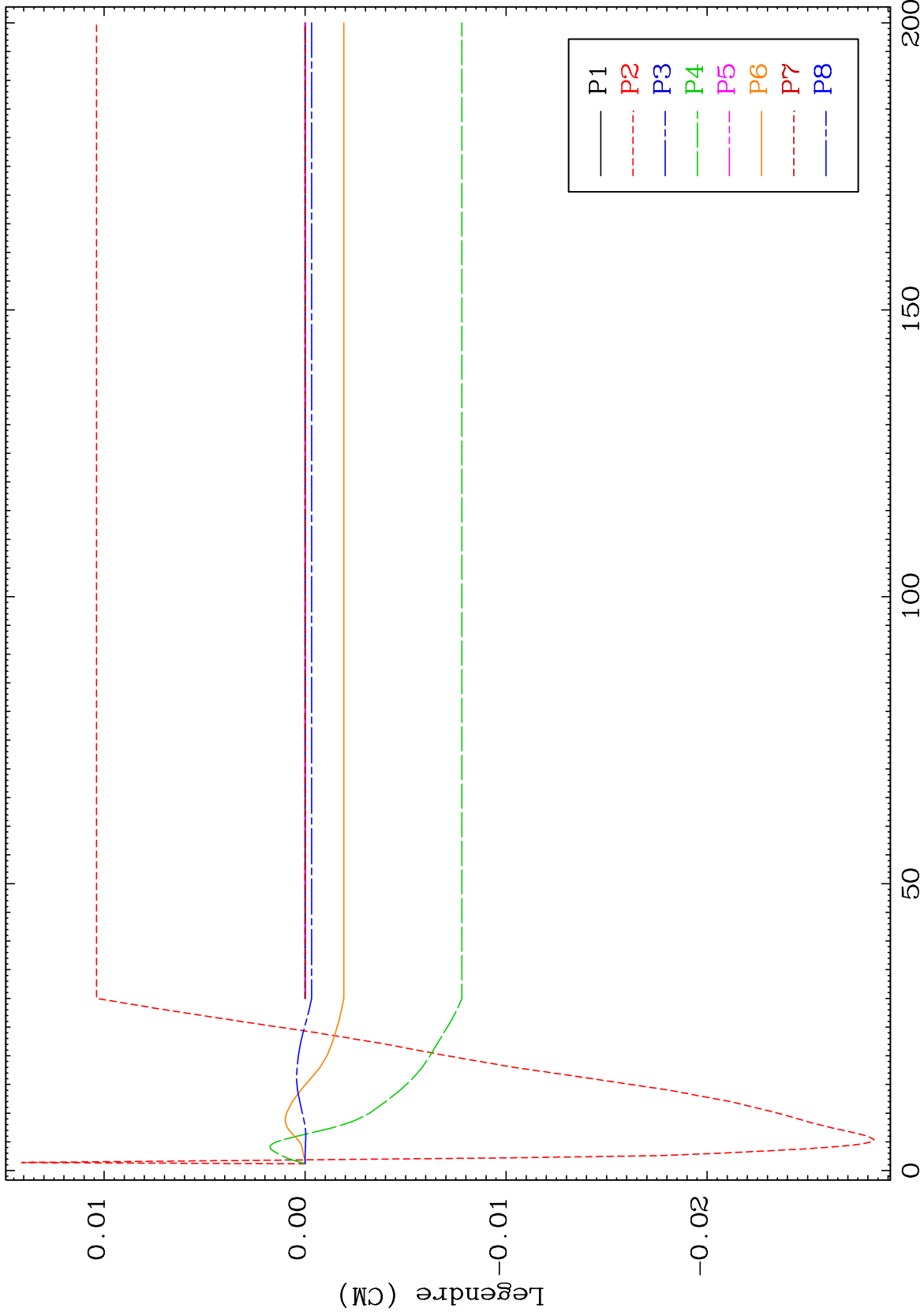
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138

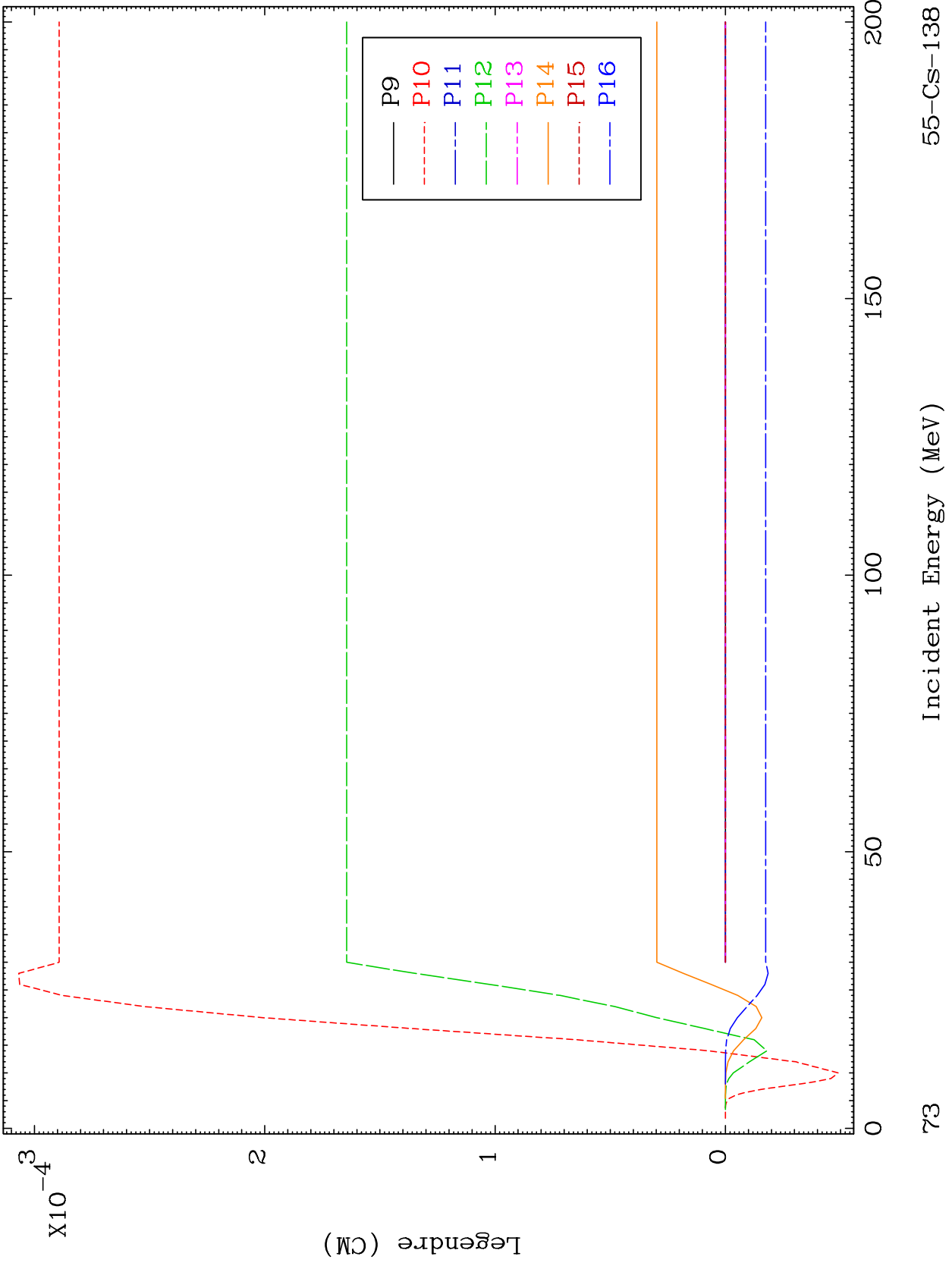


55-Cs-138

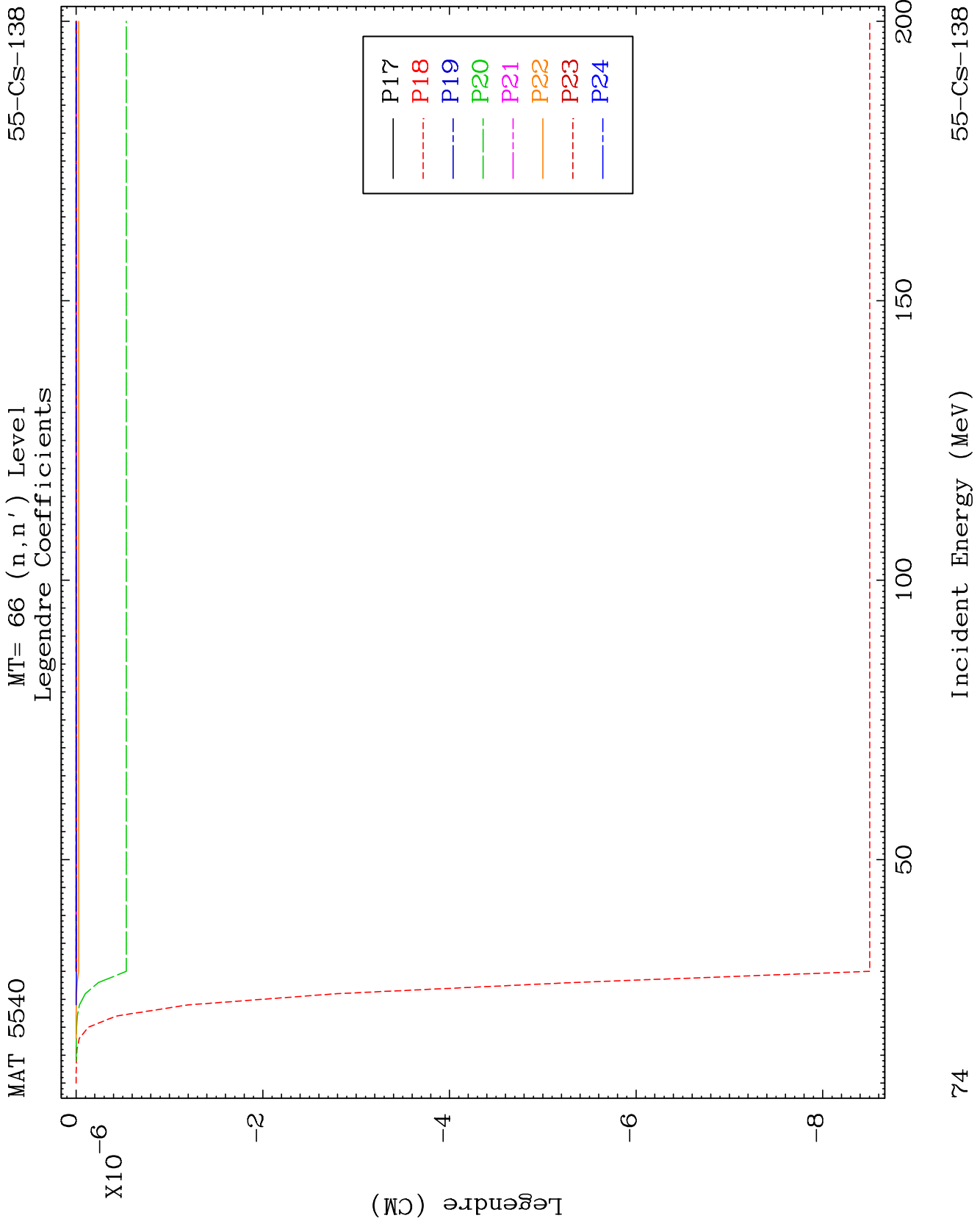
Incident Energy (MeV)

72

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



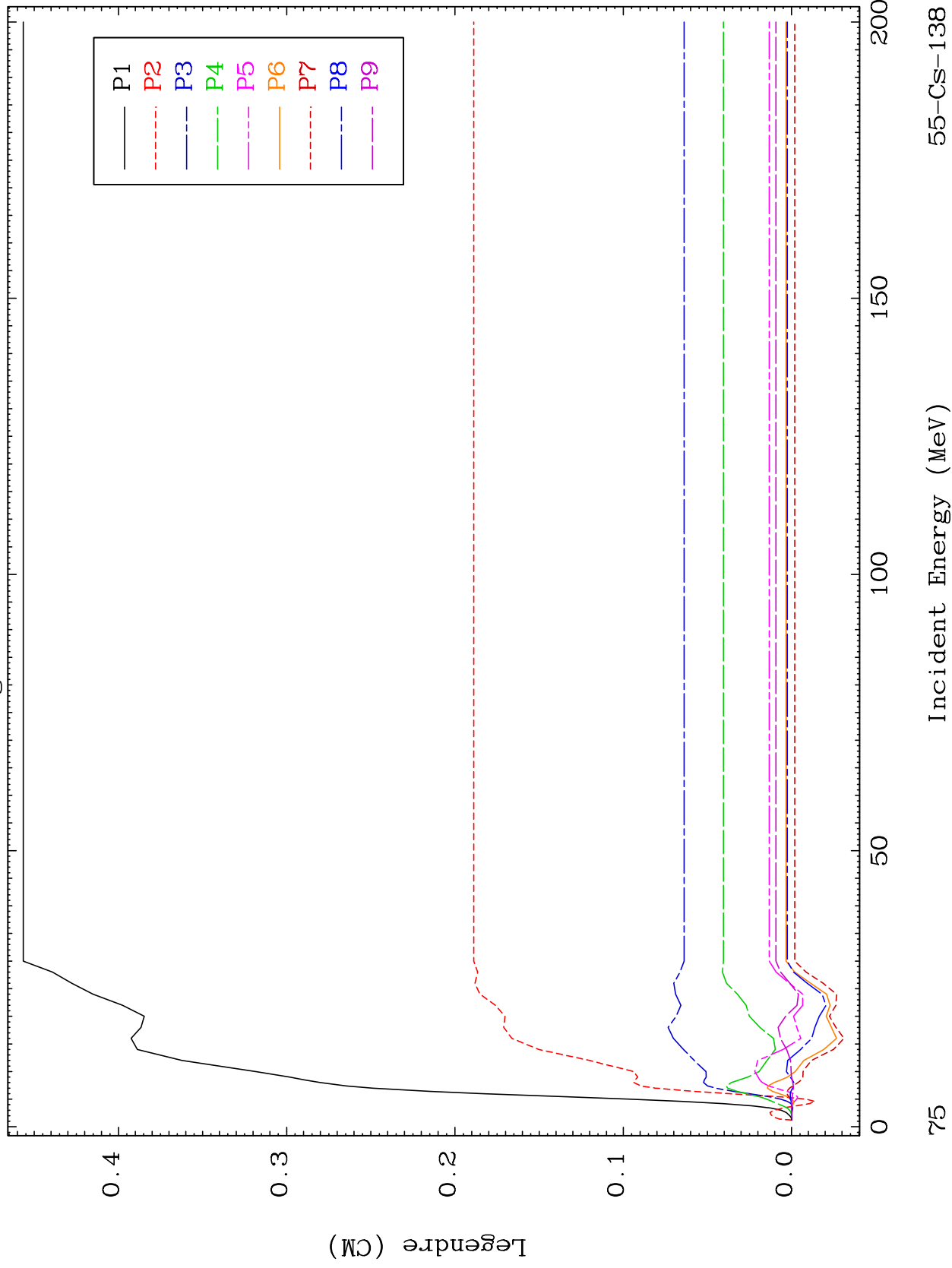
73 55-Cs-138



MAT 5540

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

55-Cs-138



55-Cs-138

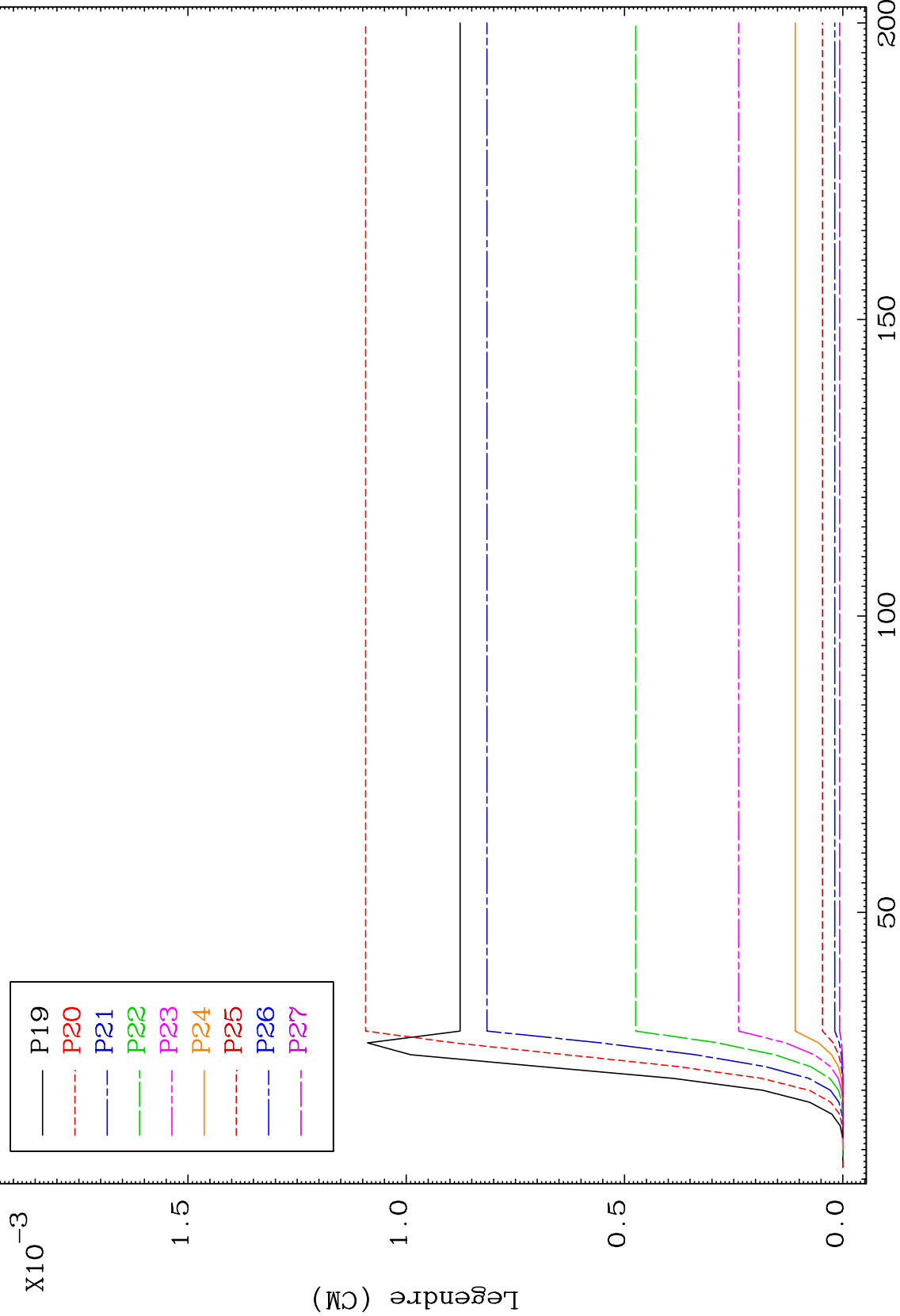
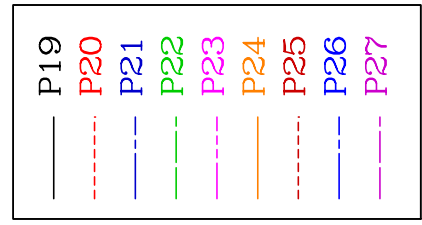
Incident Energy (MeV)

75

MAT 5540

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

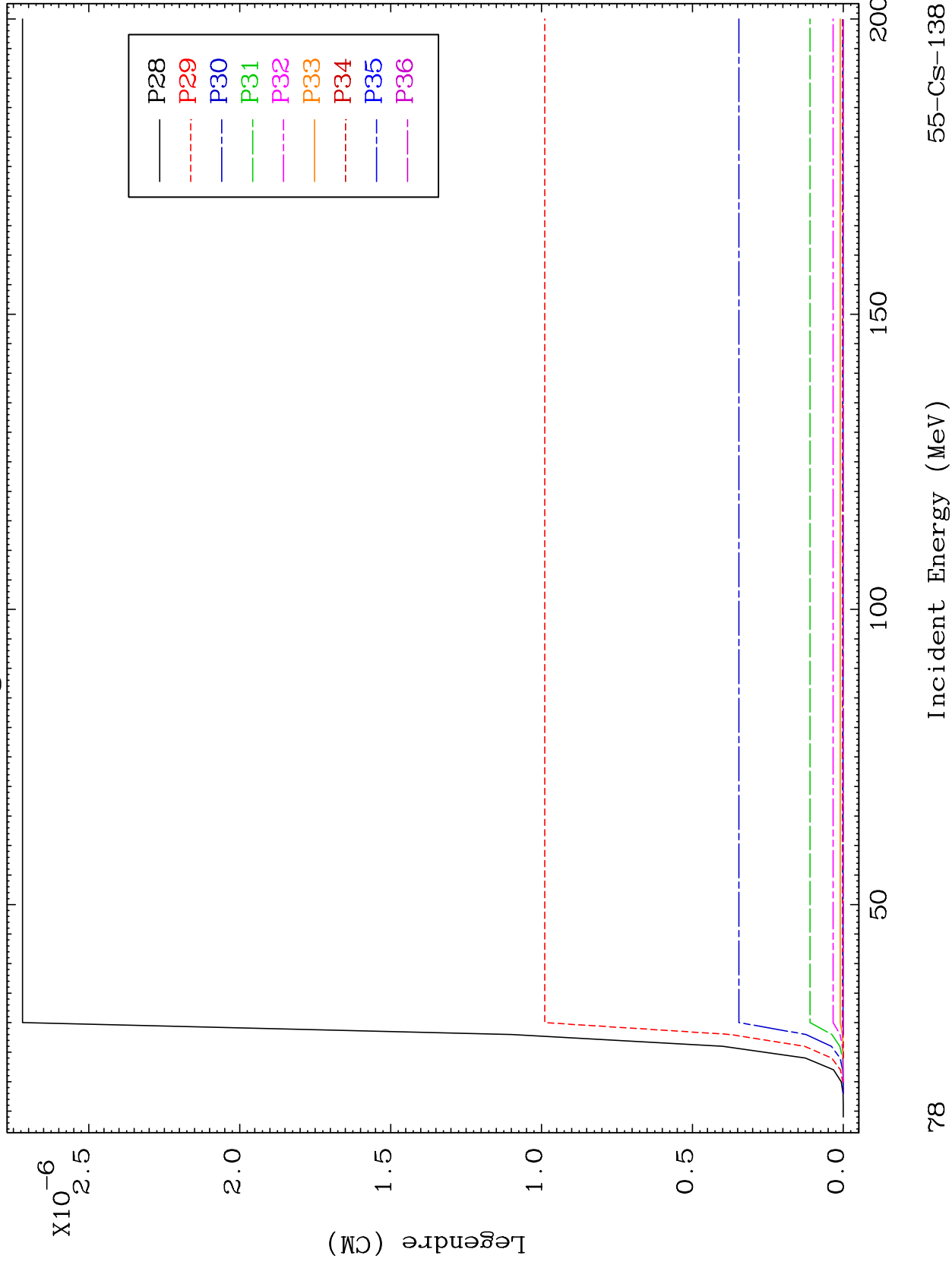
55-Cs-138



MAT 5540

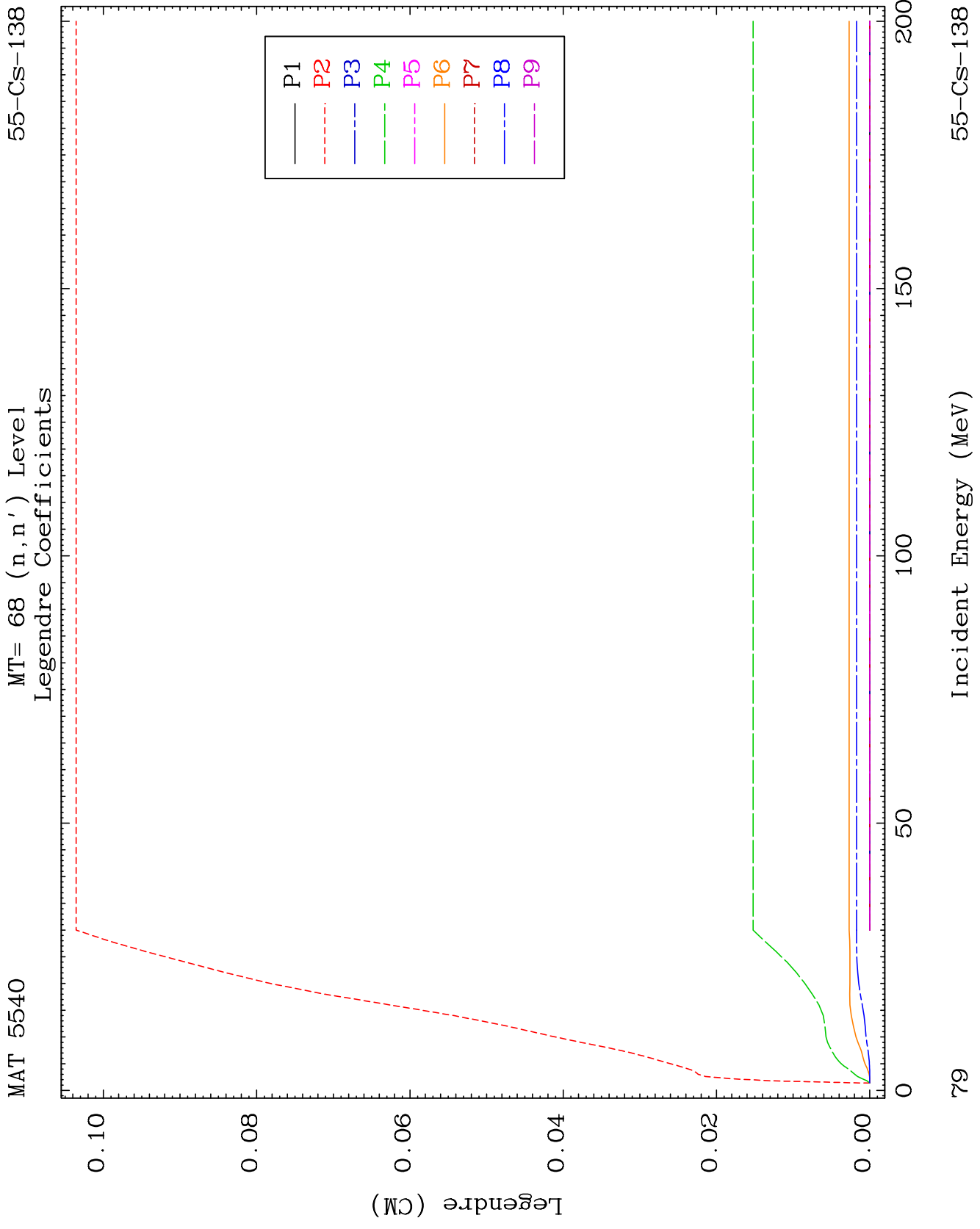
MT= 67 (n,n') Level
Legendre Coefficients

55-Cs-138



78

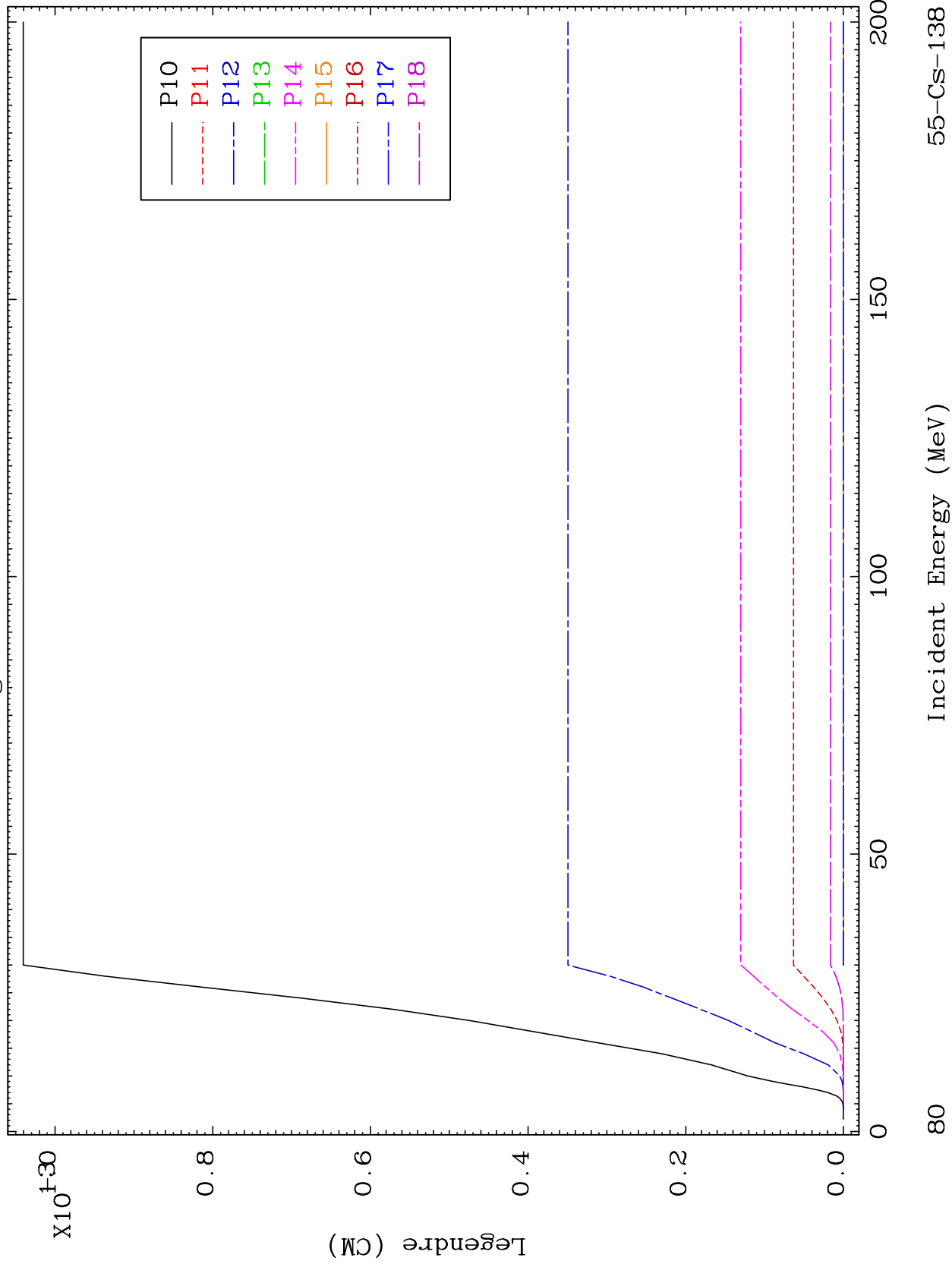
200



MAT 5540

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

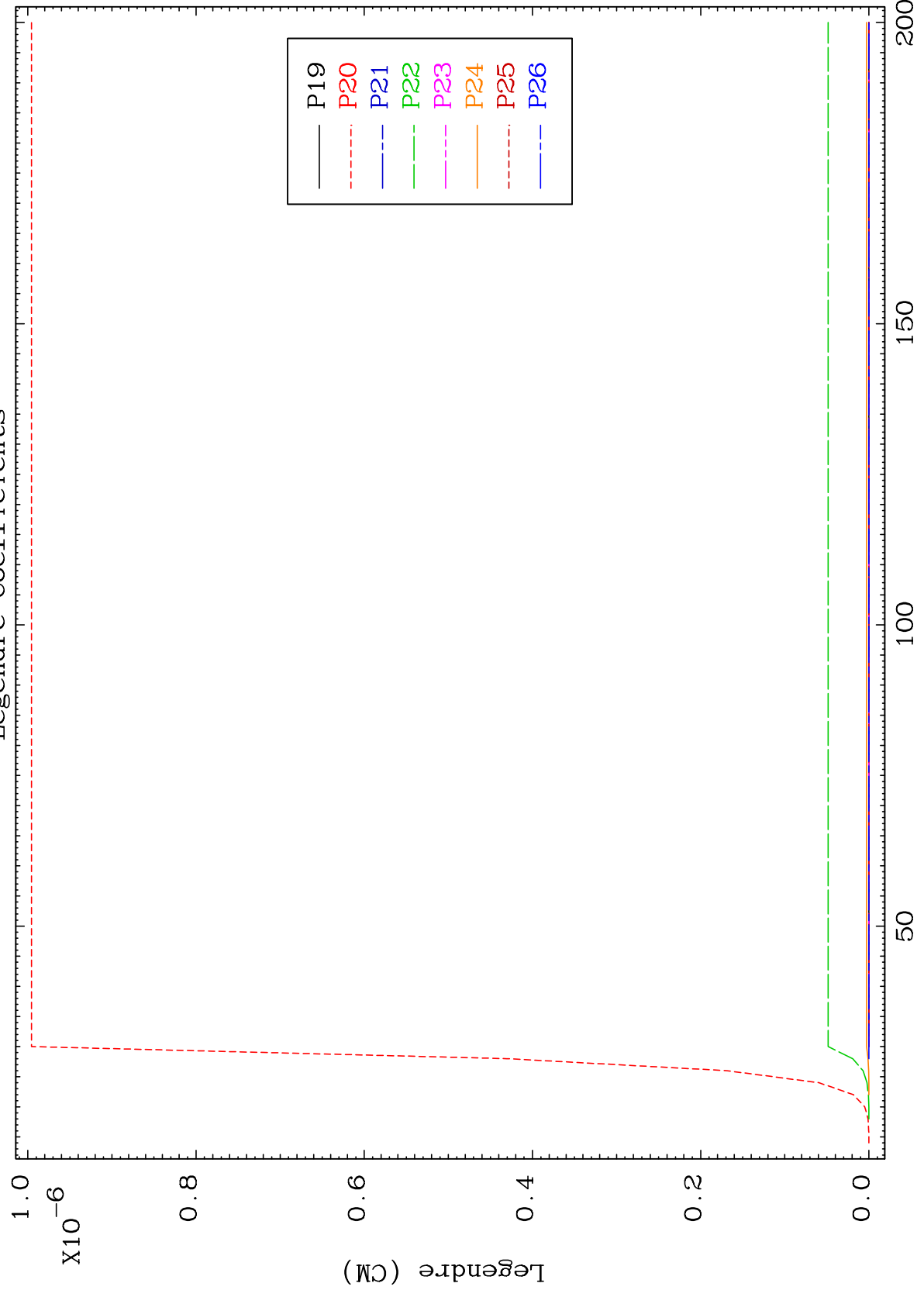
55-Cs-138



MAT 5540

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

55-Cs-138



55-Cs-138

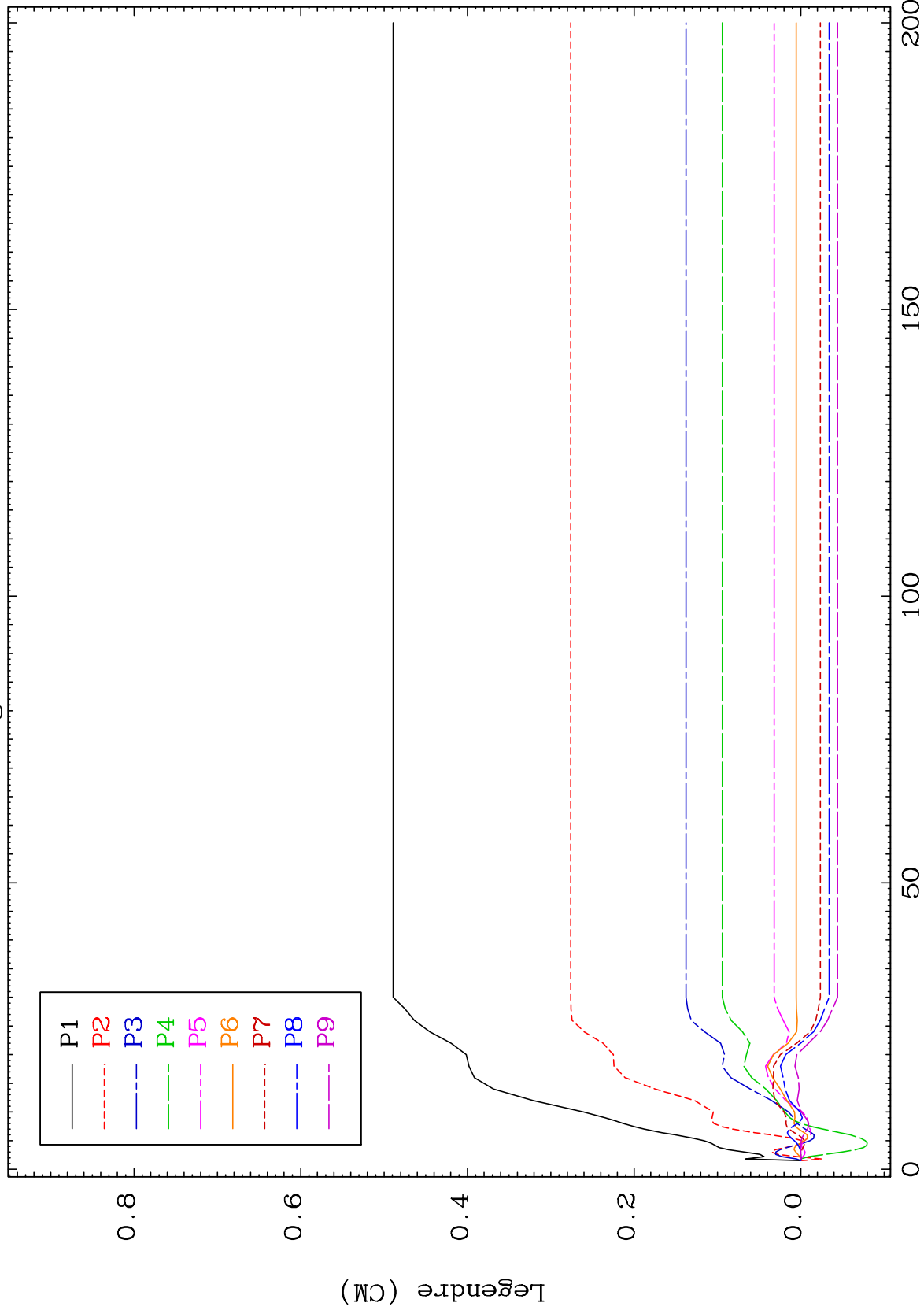
Incident Energy (MeV)

81

MAT 5540

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

55-Cs-138



55-Cs-138

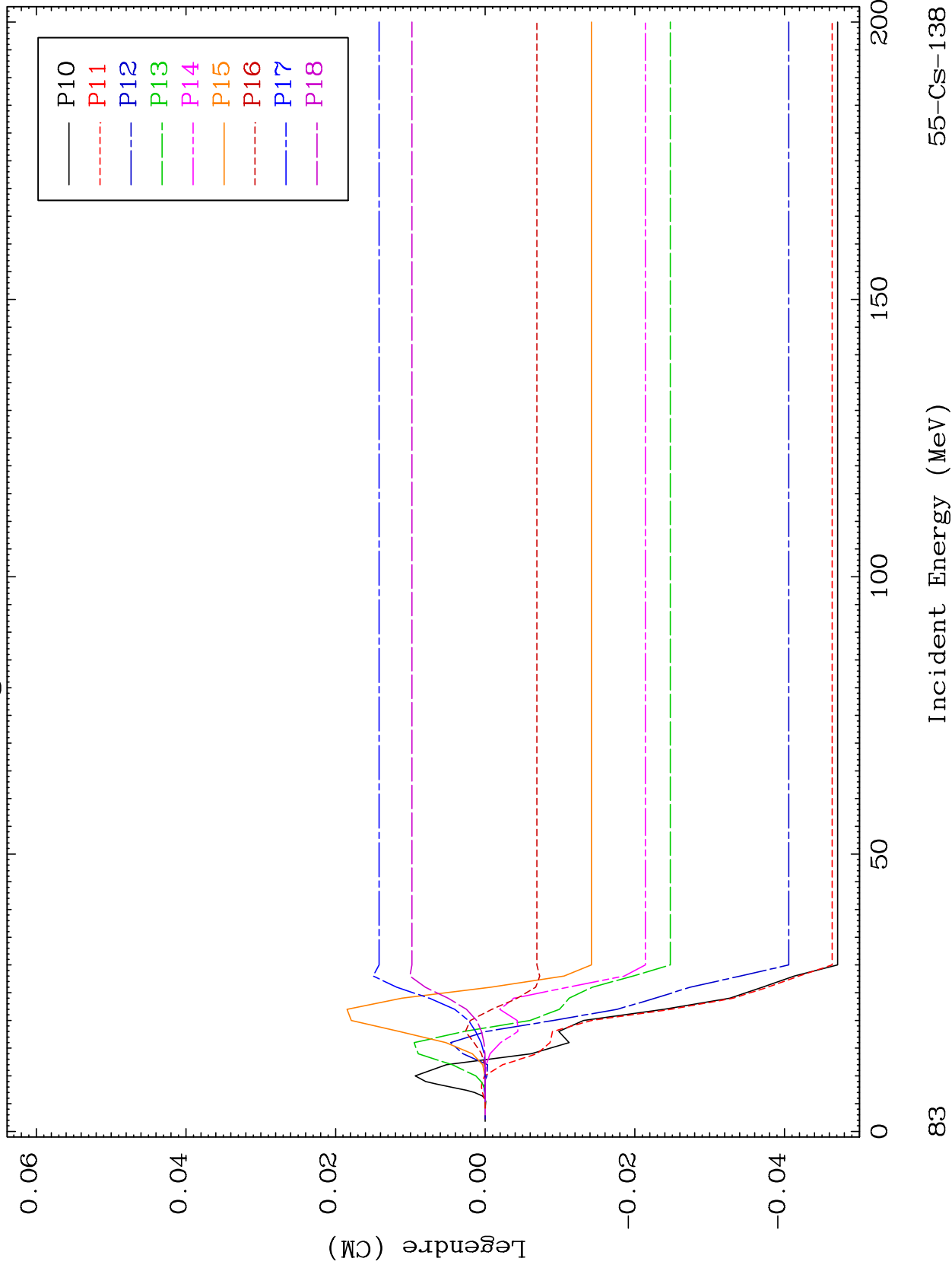
Incident Energy (MeV)

82

MAT 5540

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

55-Cs-138



83

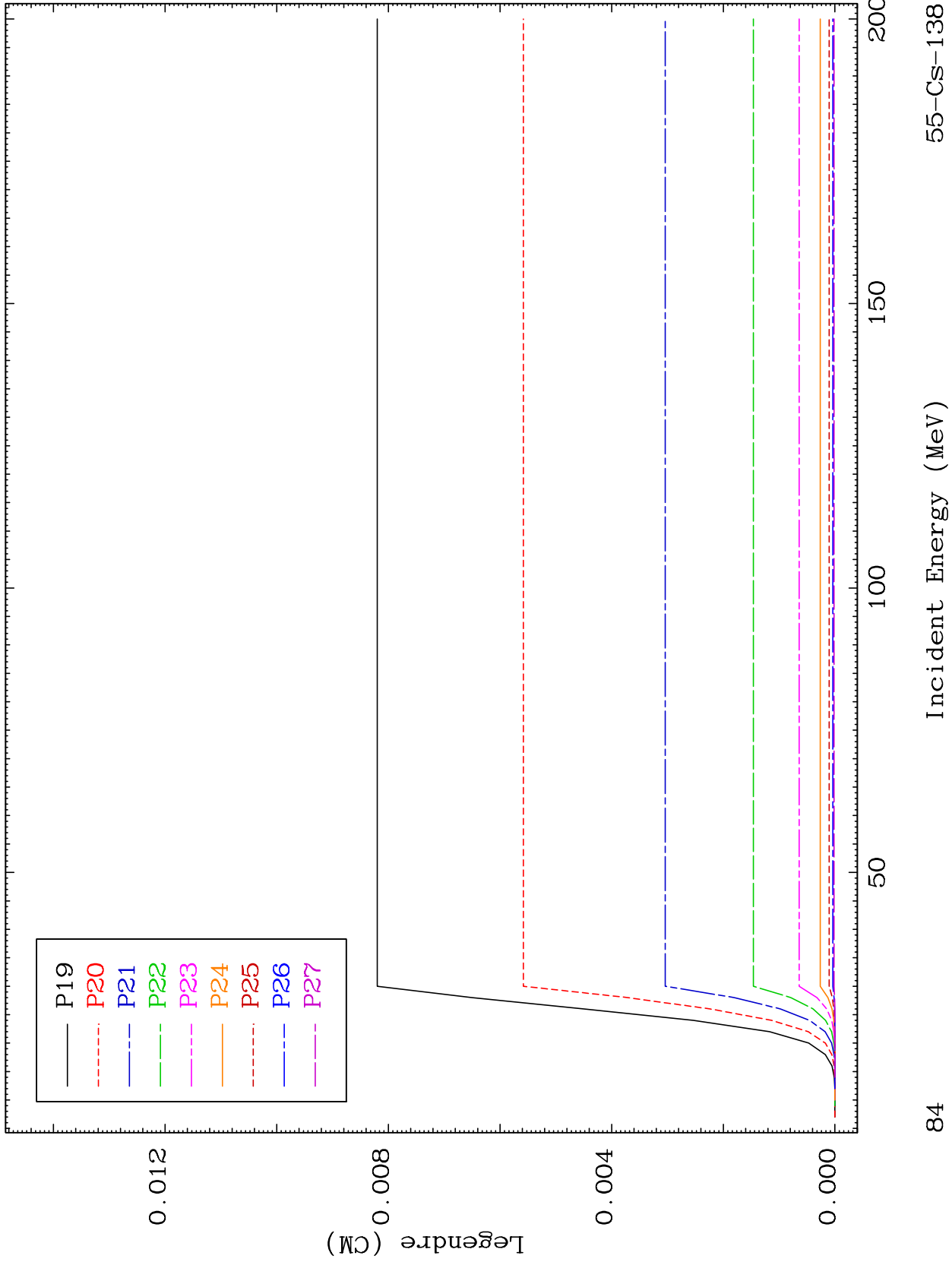
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



84

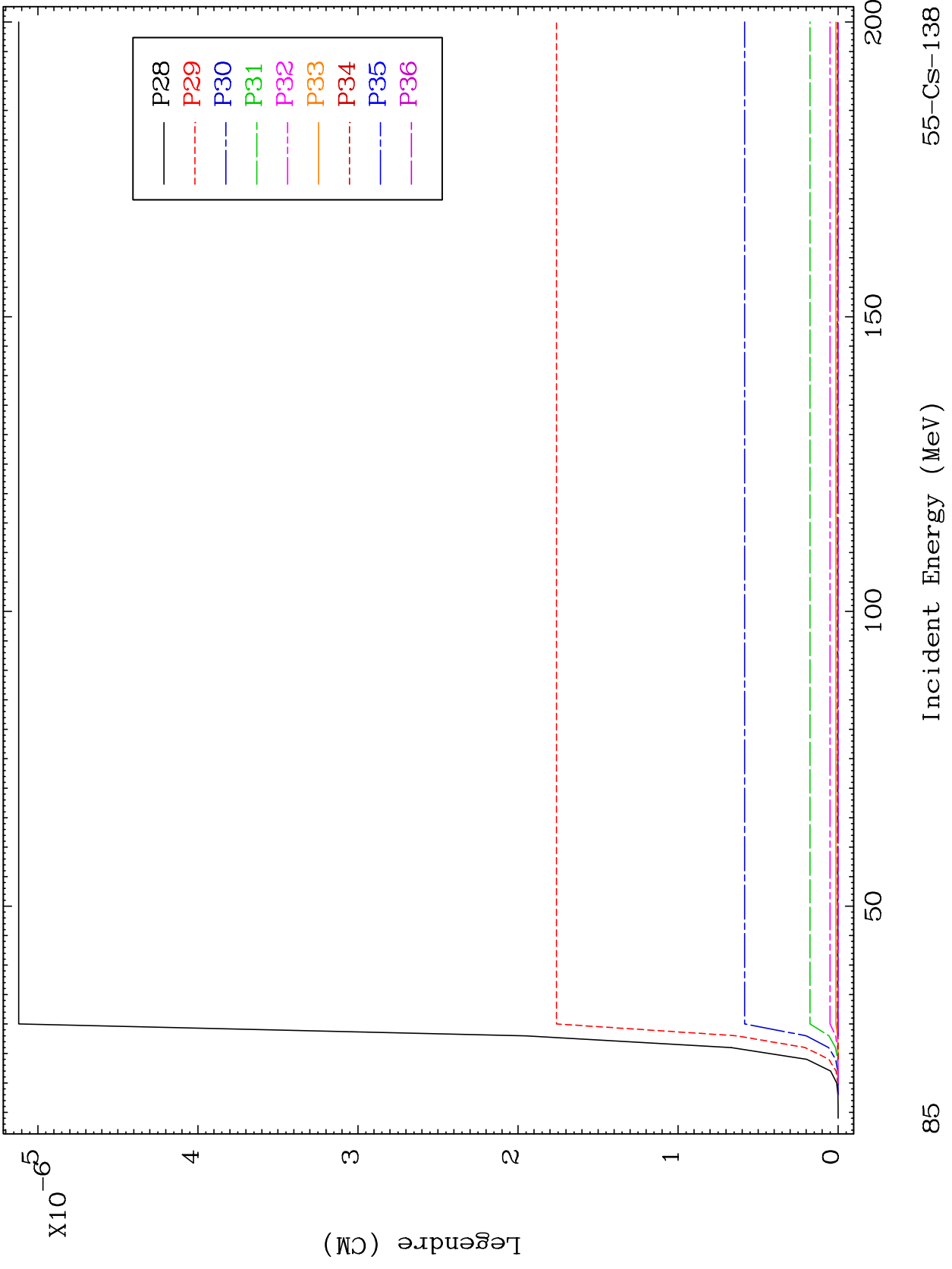
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



85

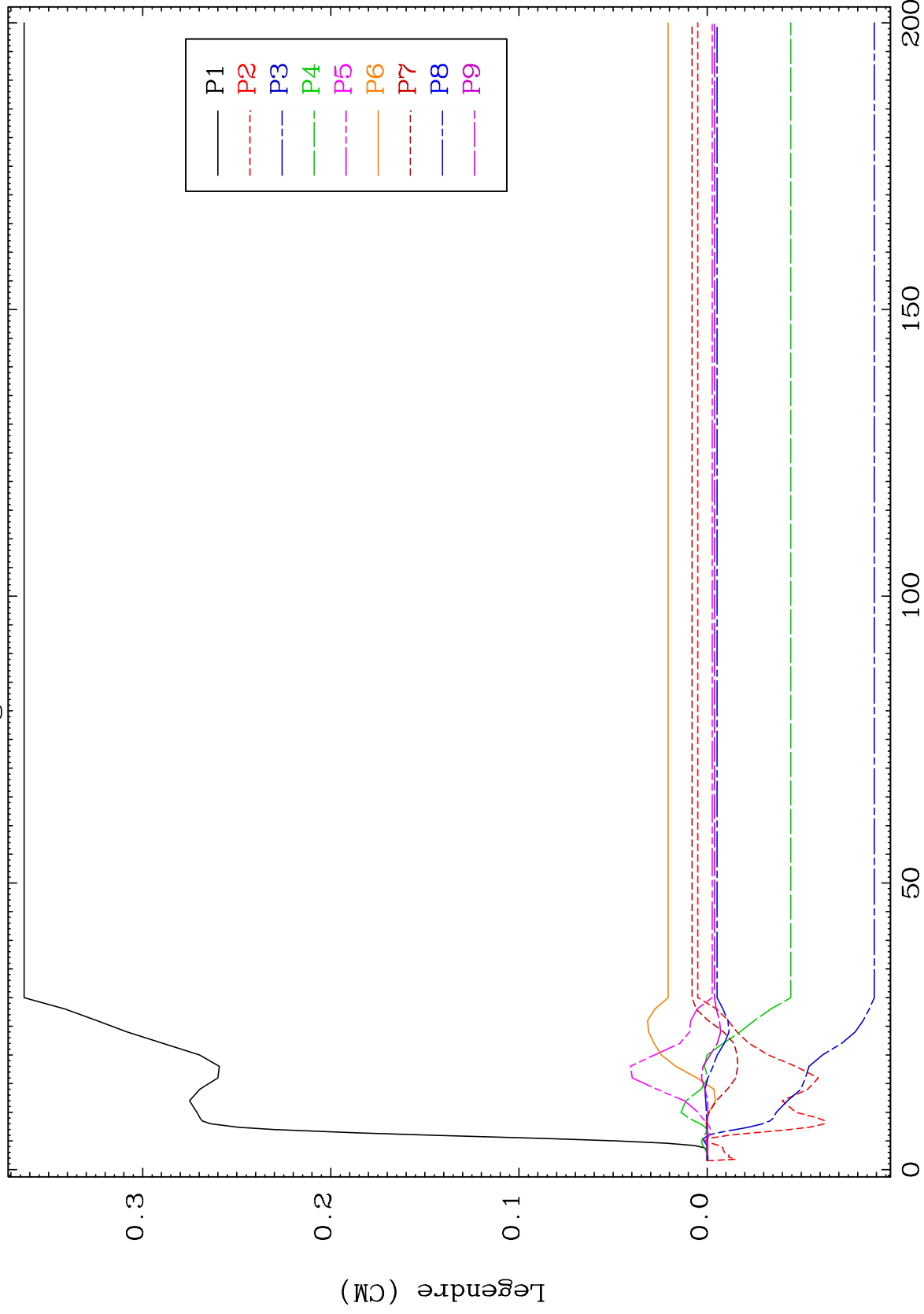
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



86

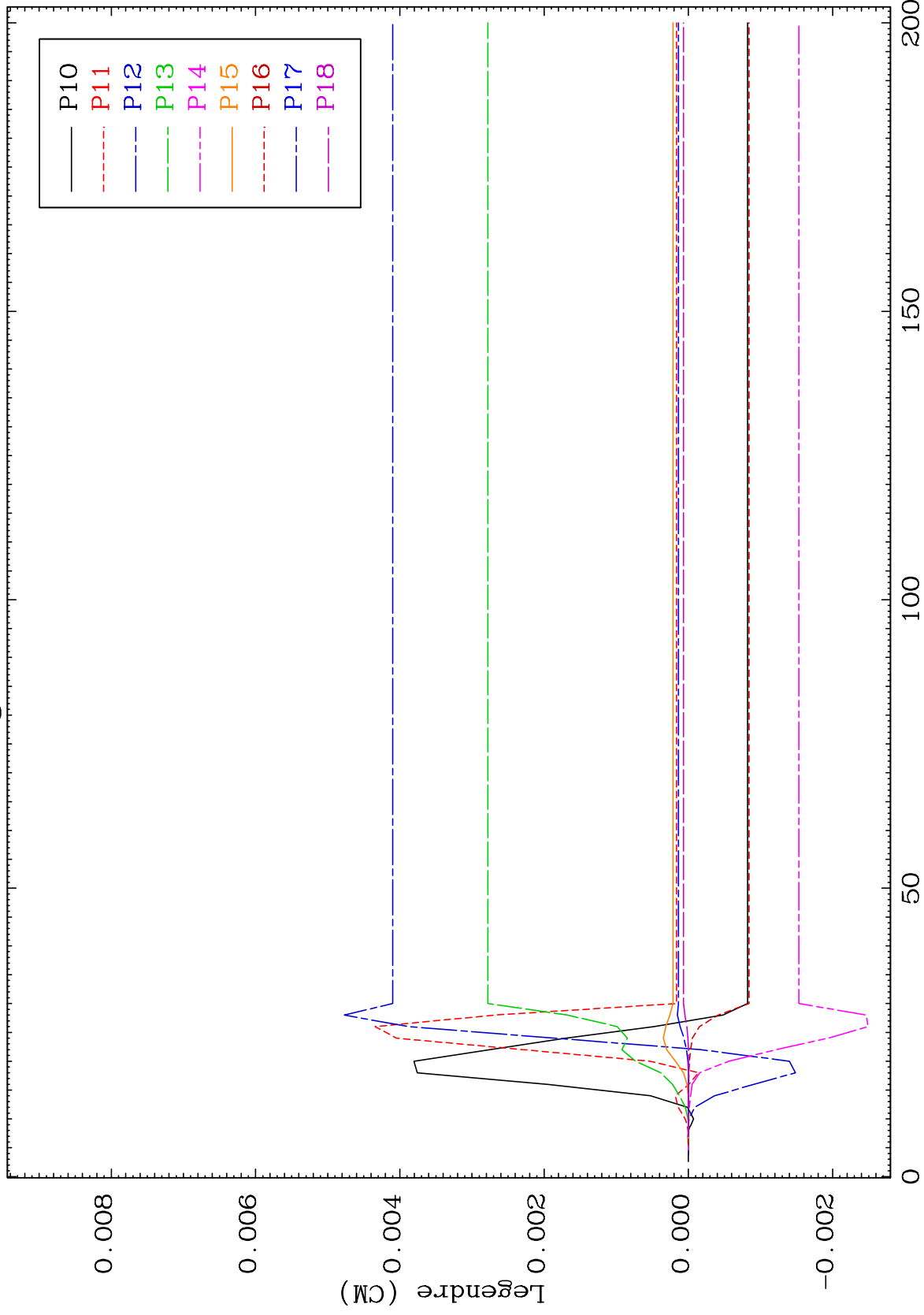
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



87

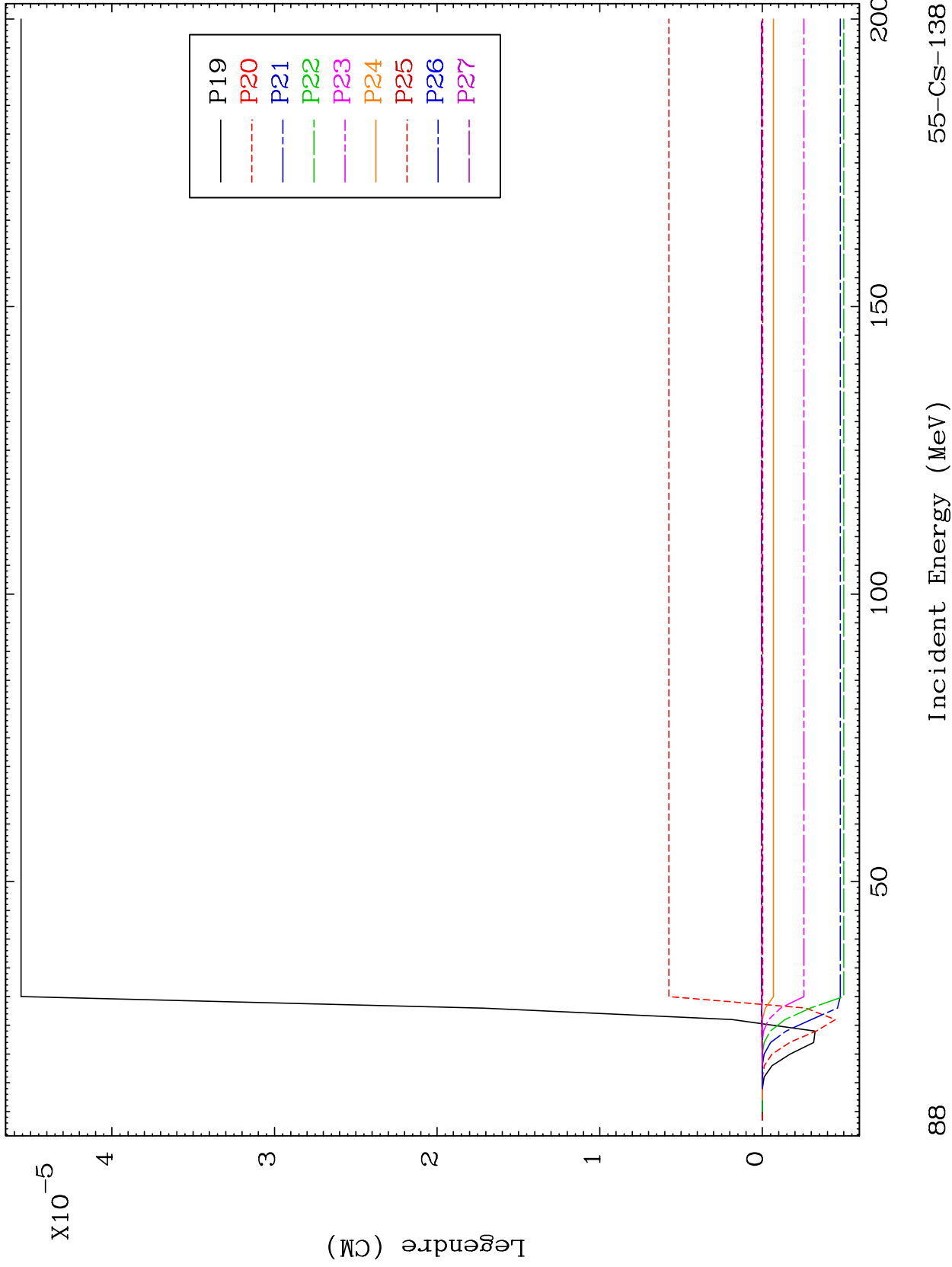
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

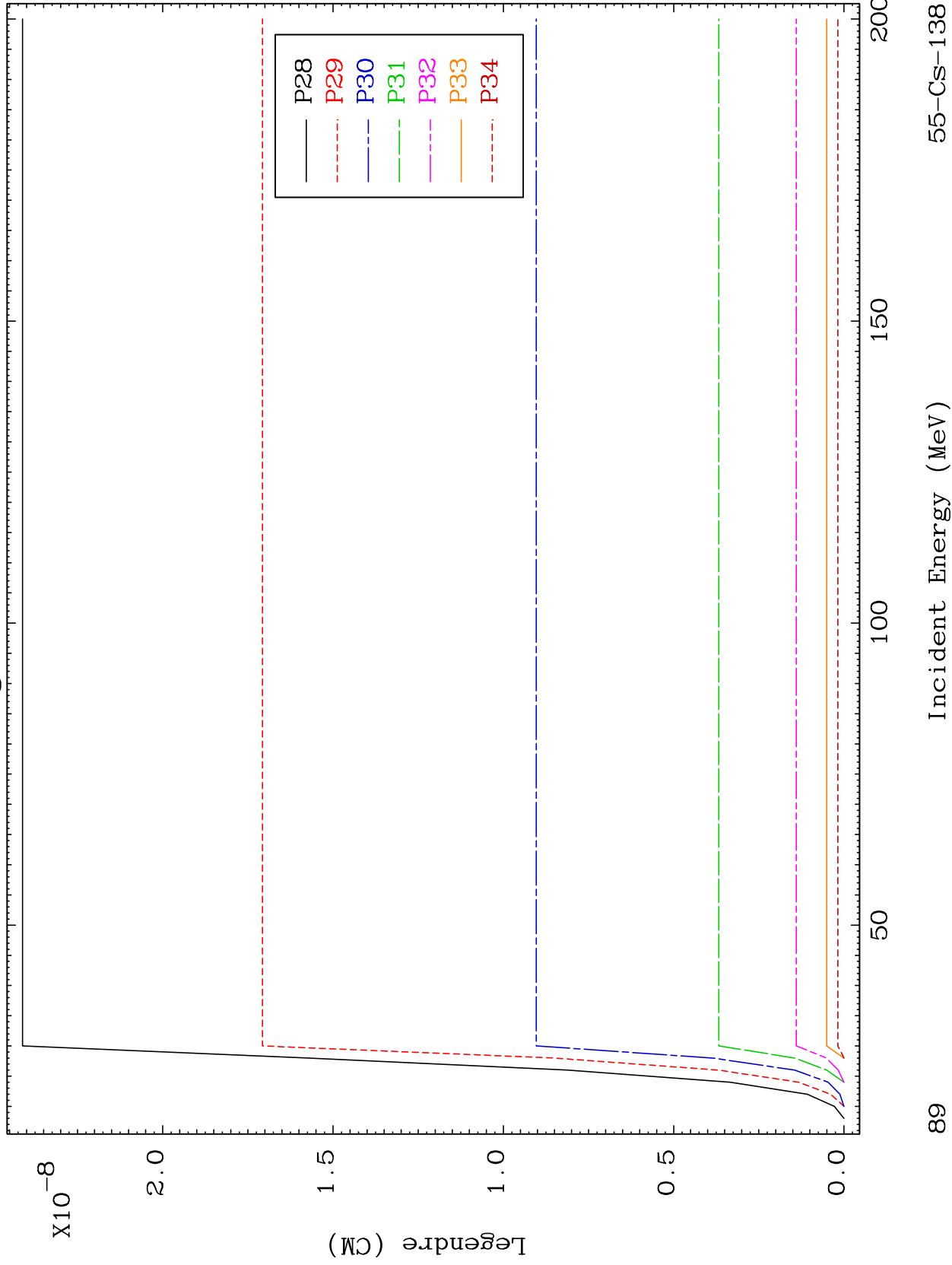
55-Cs-138



MAT 5540

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

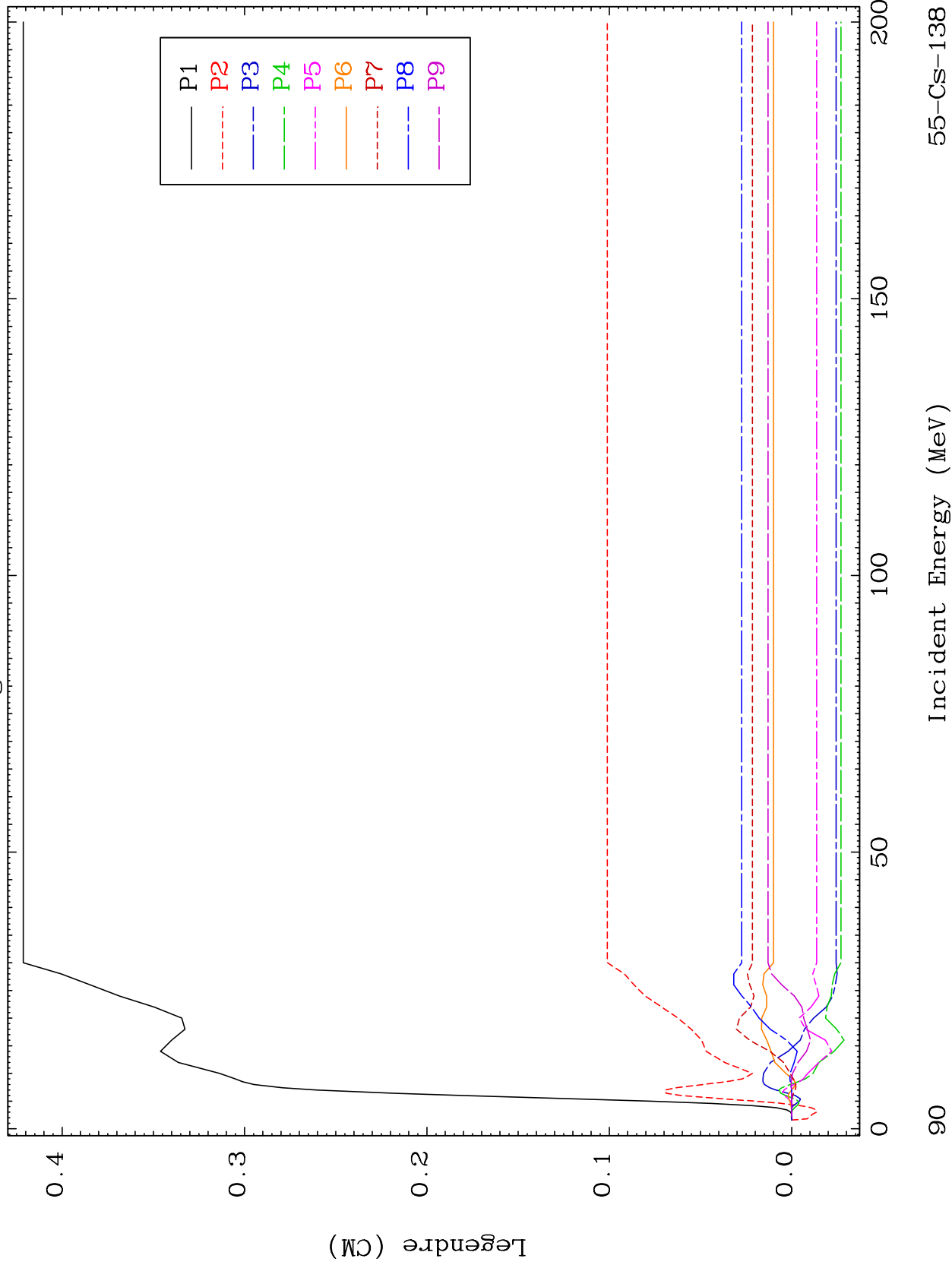
55-Cs-138



MAT 5540

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

55-Cs-138



55-Cs-138

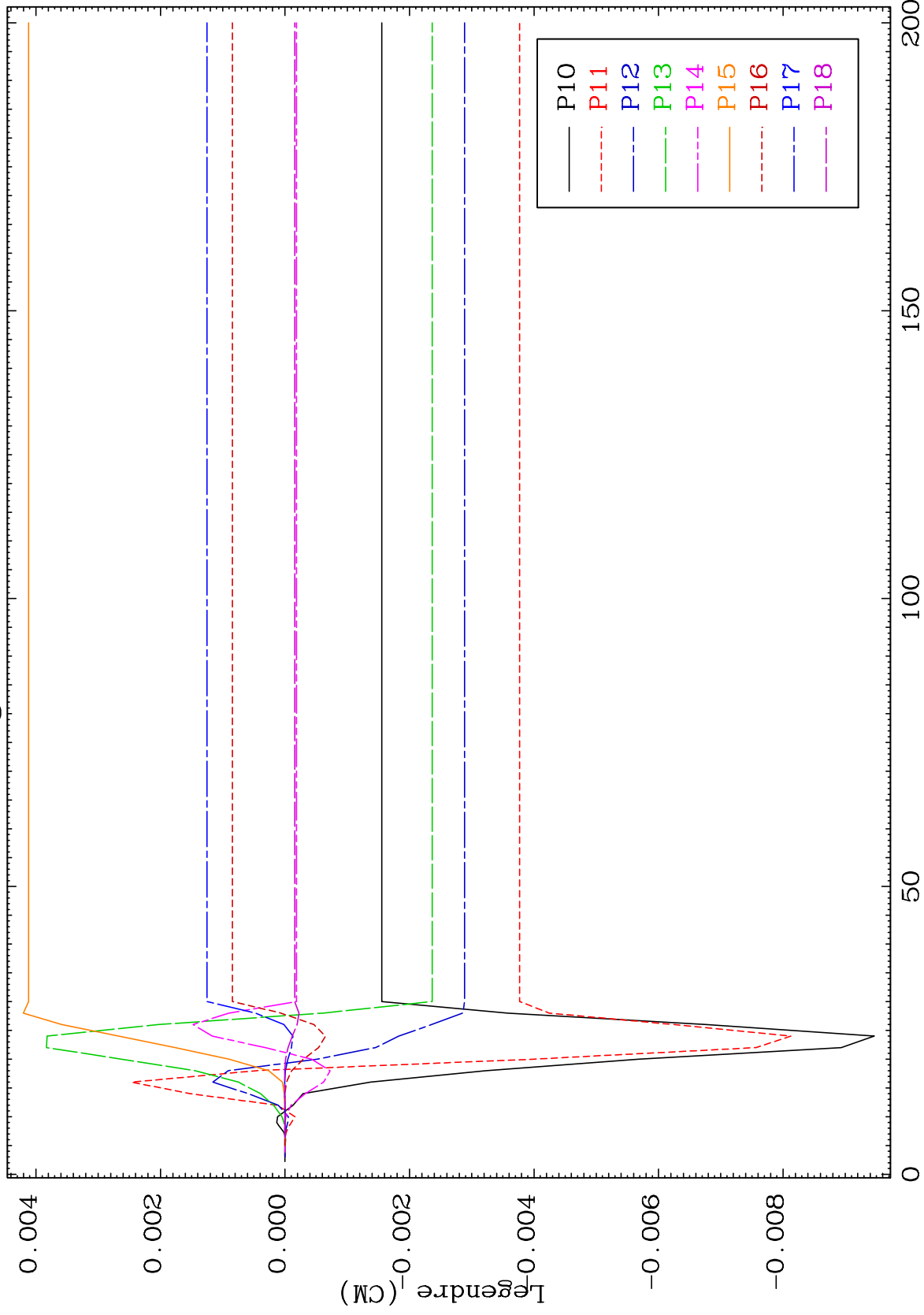
Incident Energy (MeV)

90

MAT 5540

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

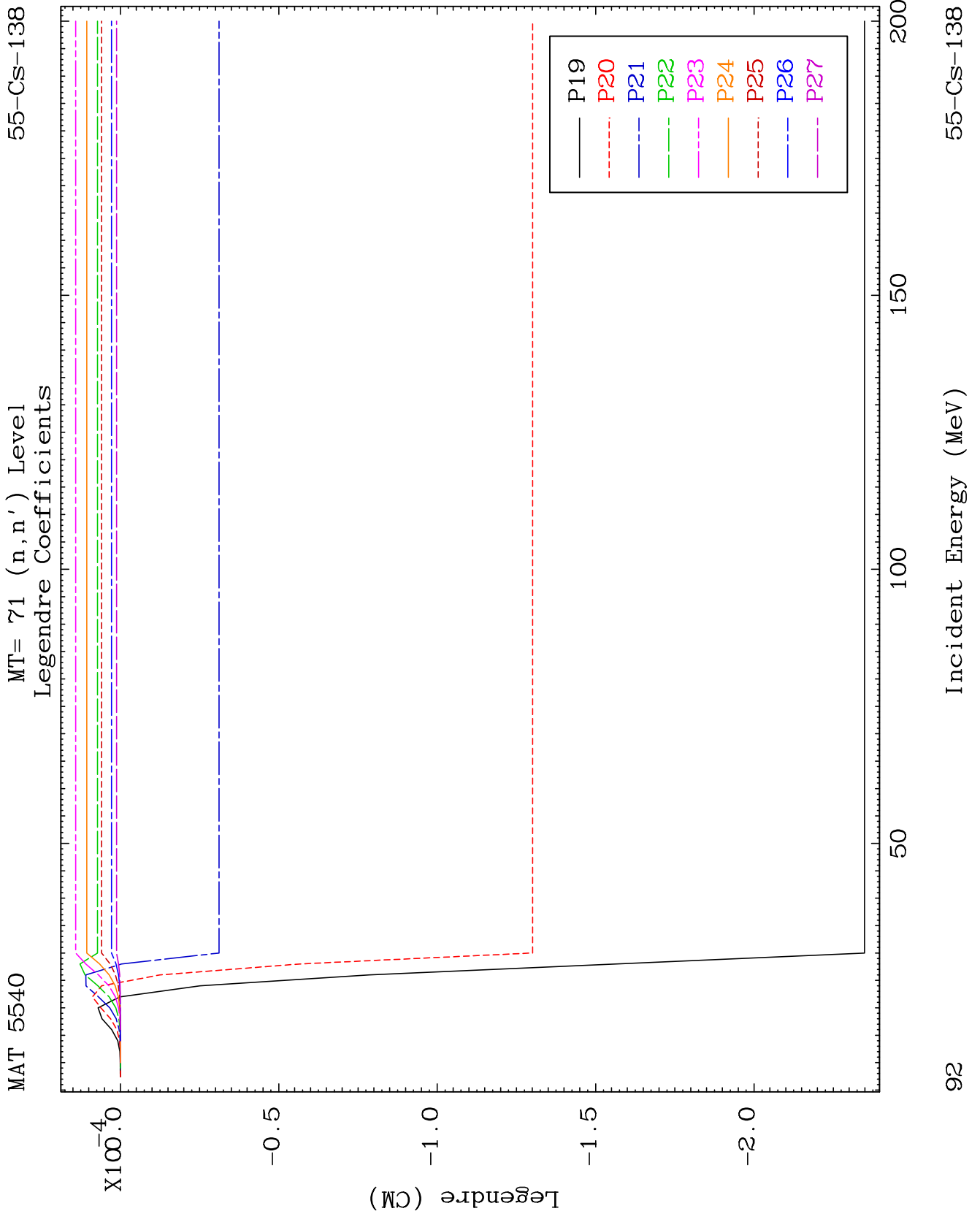
55-Cs-138



91

Incident Energy (MeV)

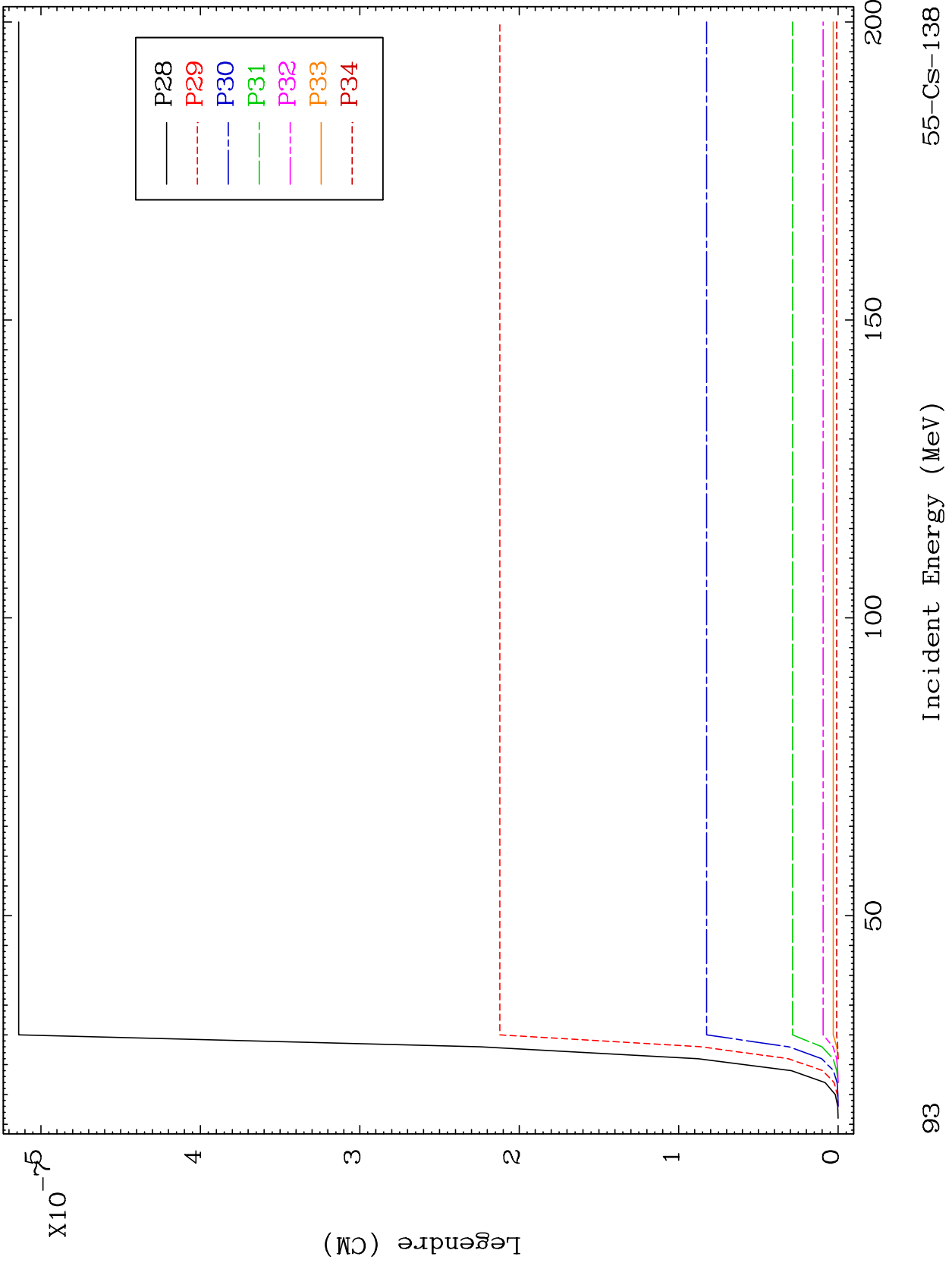
55-Cs-138

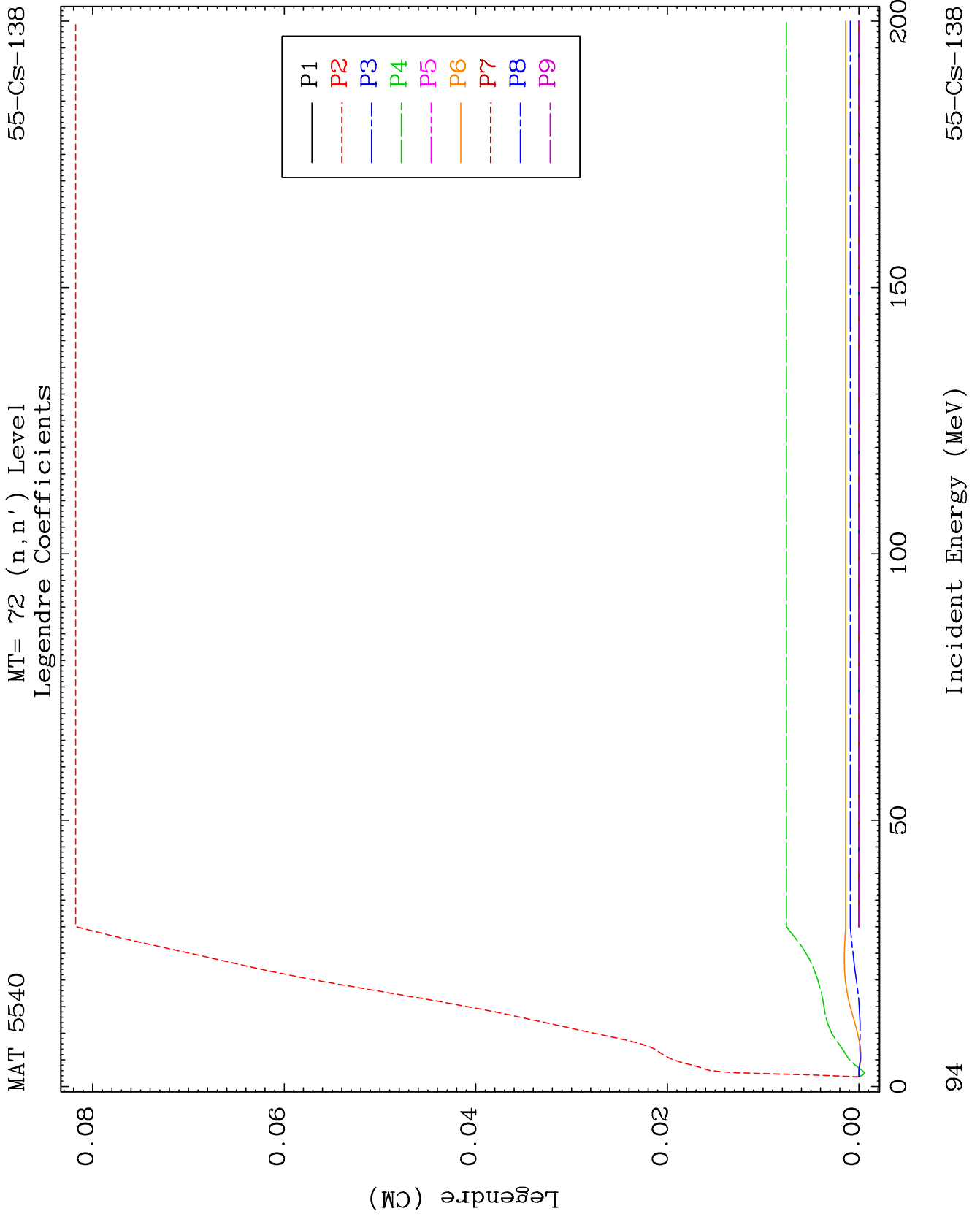


MAT 5540

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

55-Cs-138

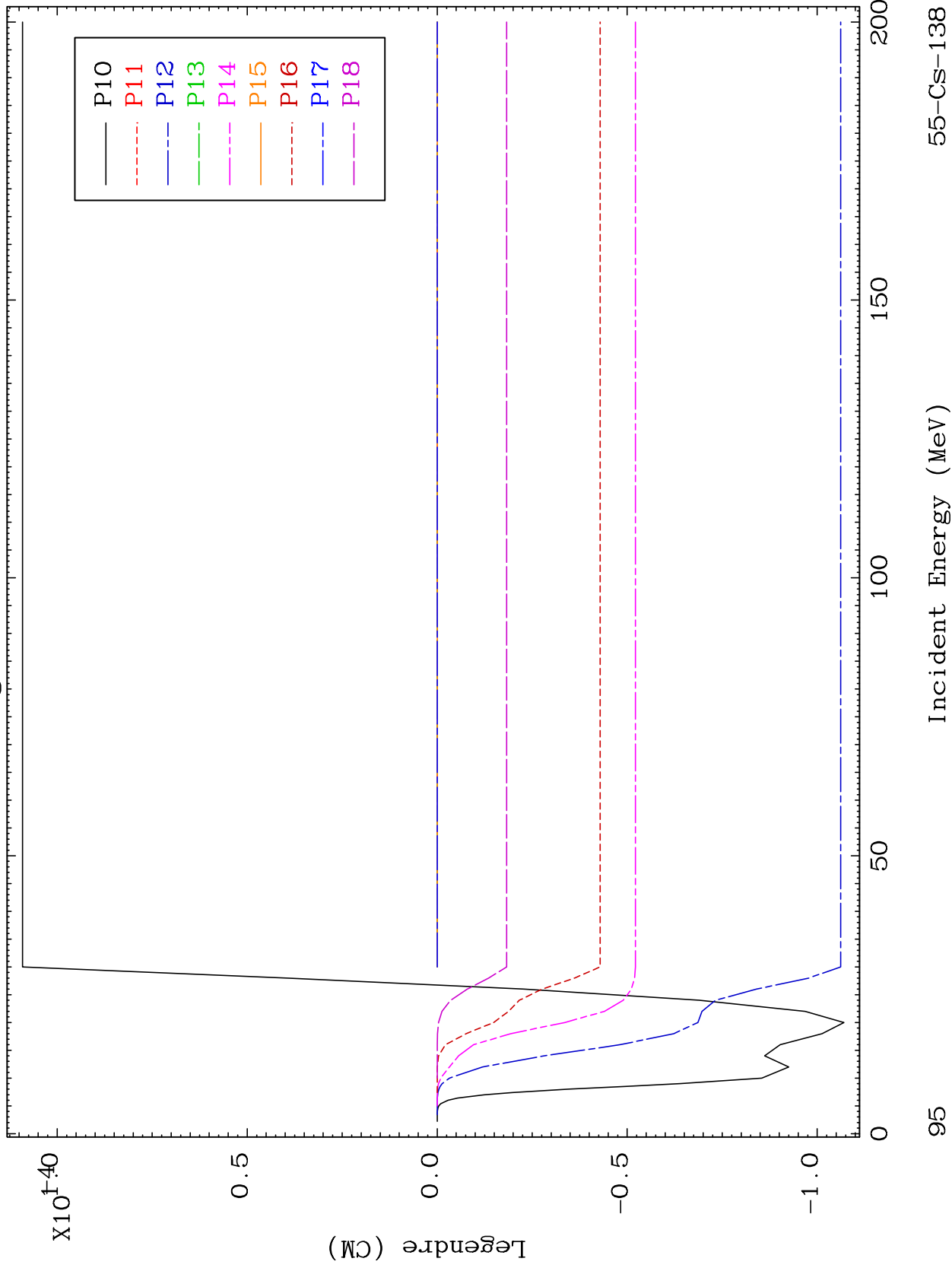




MAT 5540

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

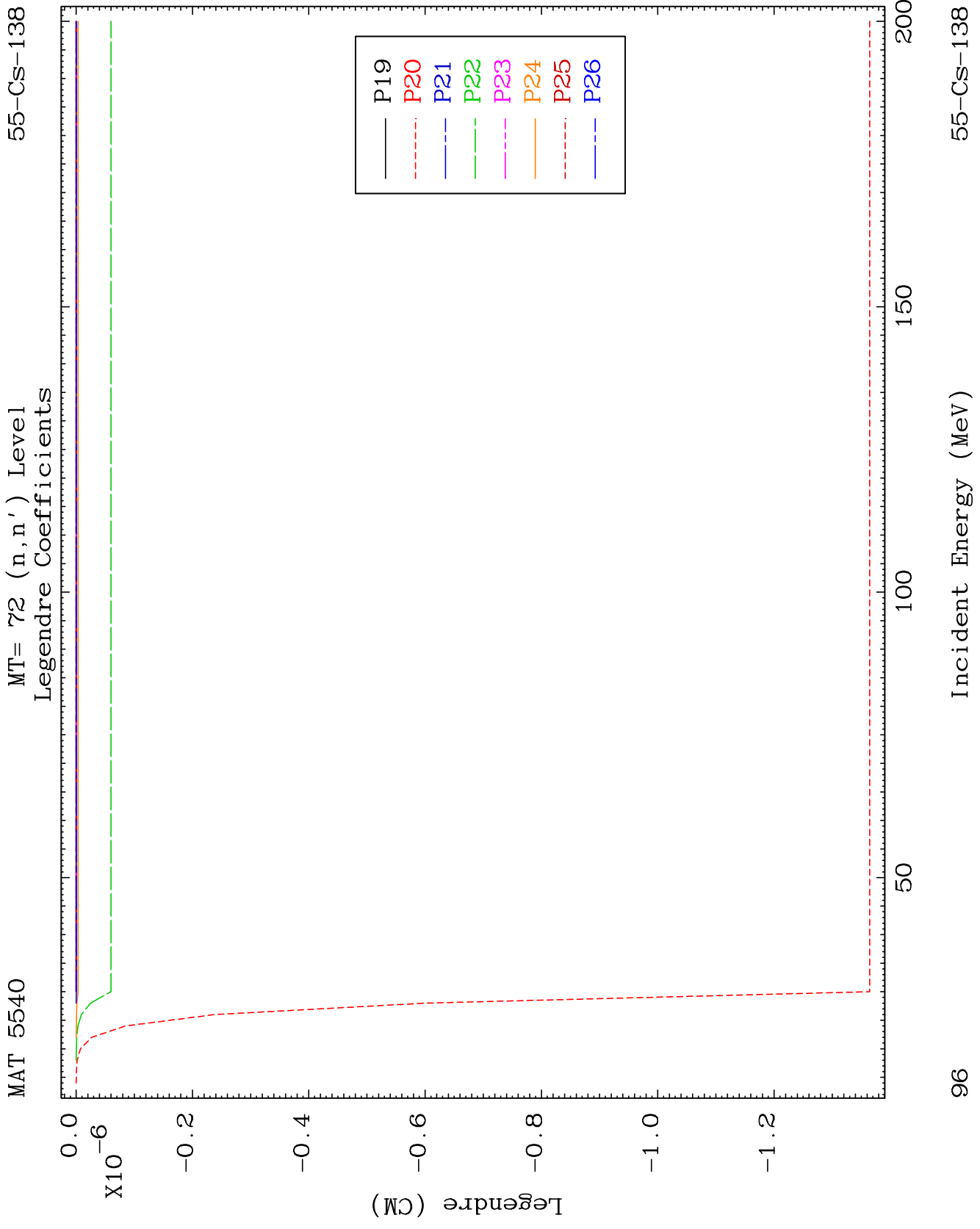
55-Cs-138



55-Cs-138

Incident Energy (MeV)

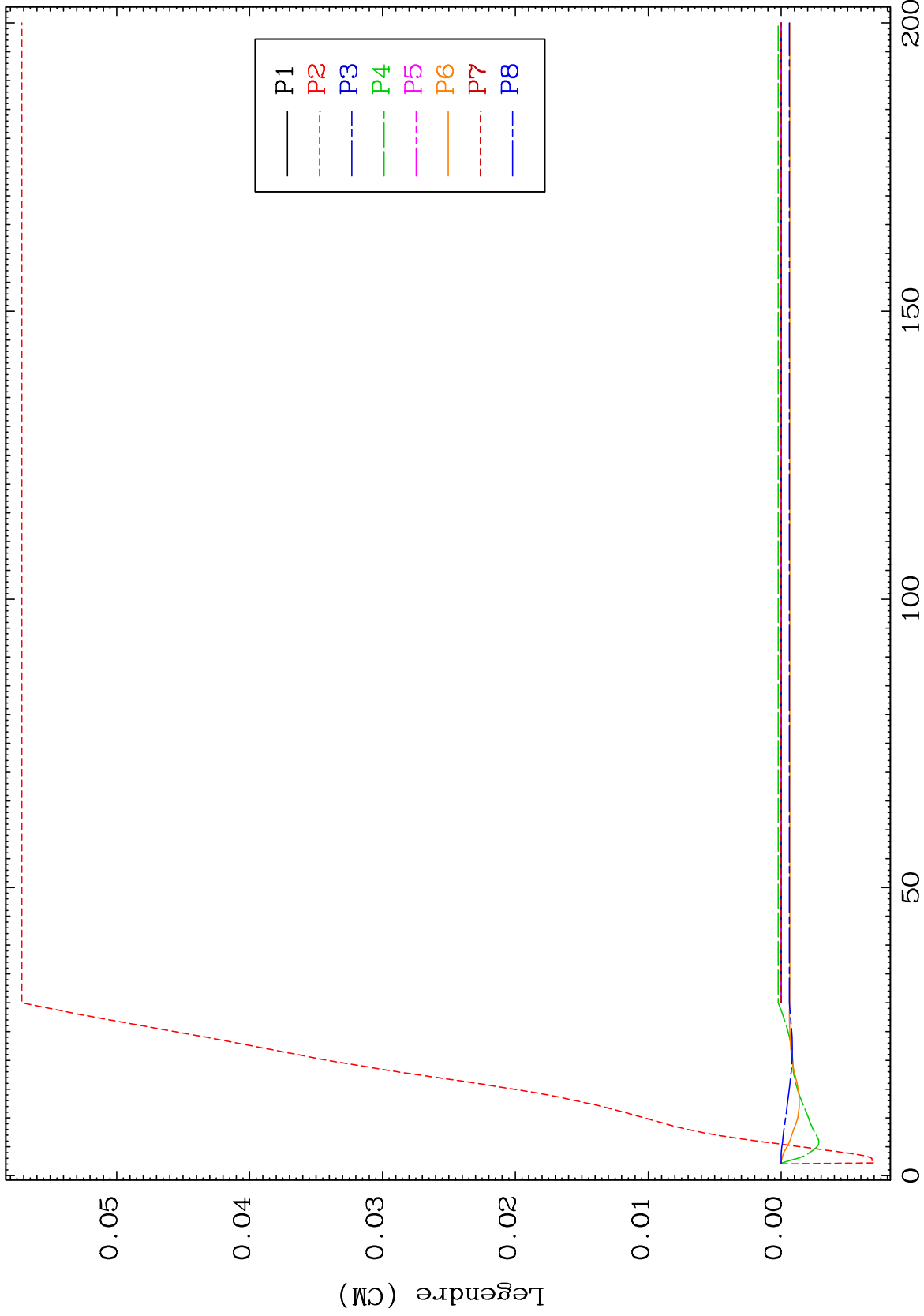
95



MAT 5540

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

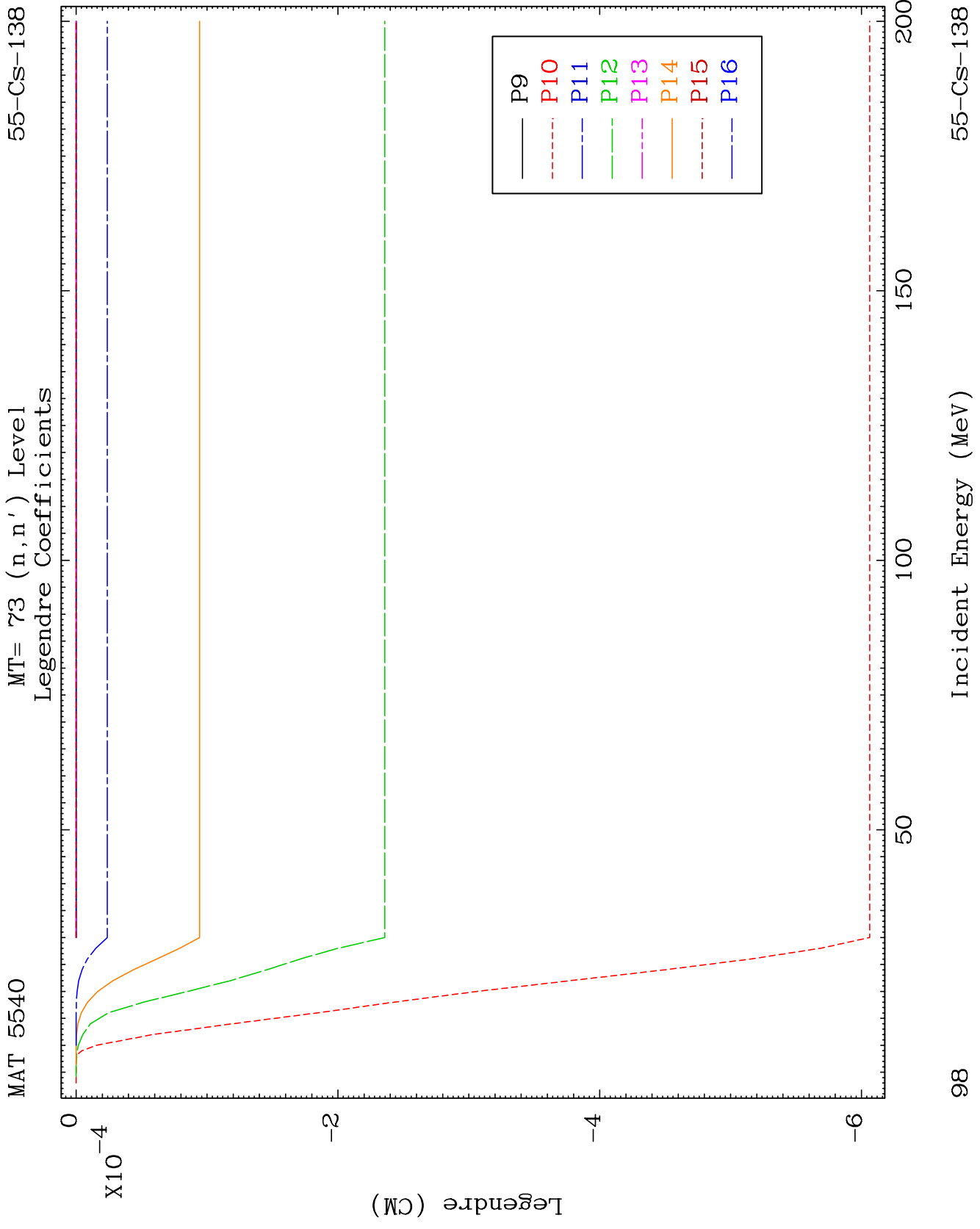
55-Cs-138



97

Incident Energy (MeV)

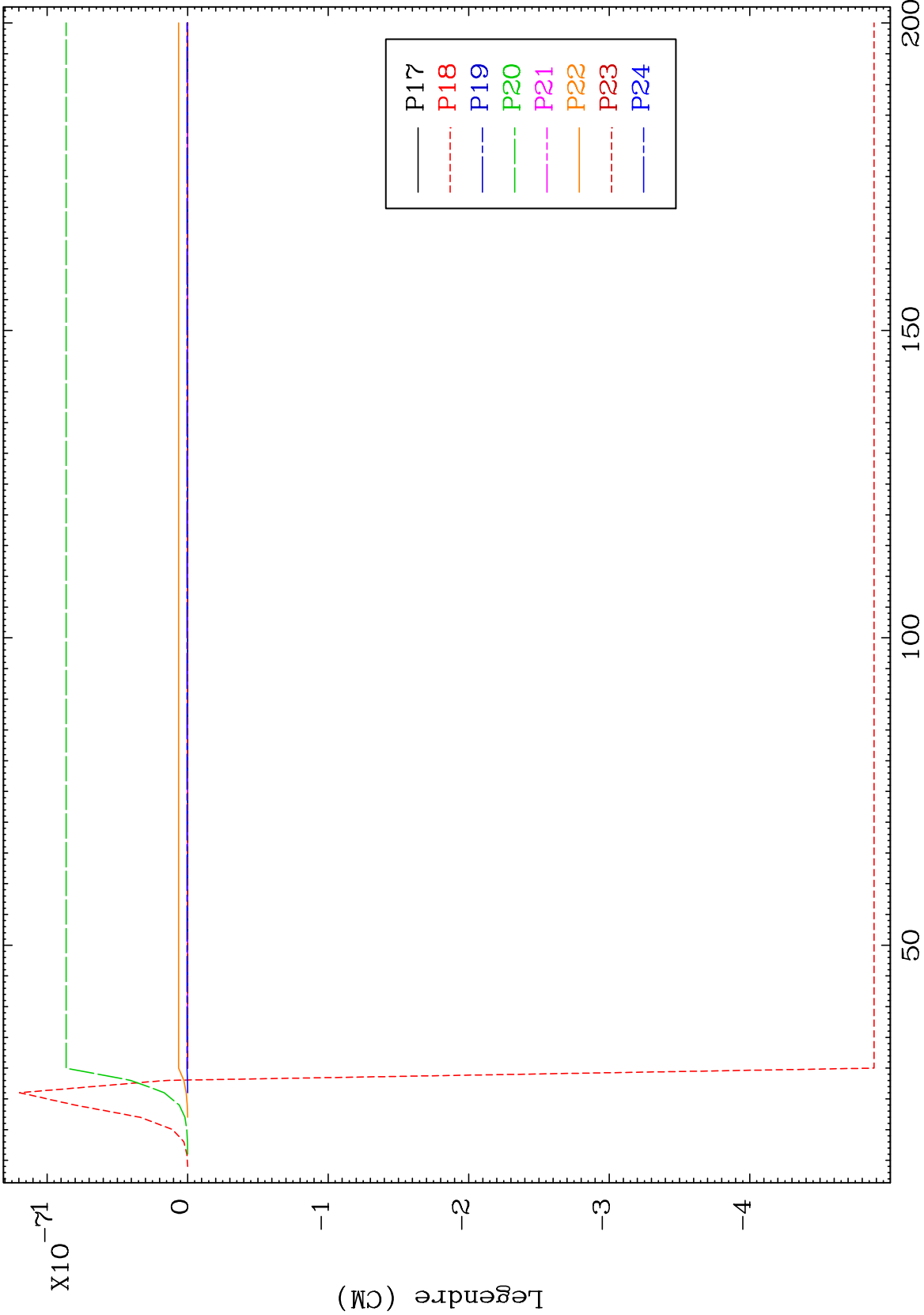
55-Cs-138



MAT 5540

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

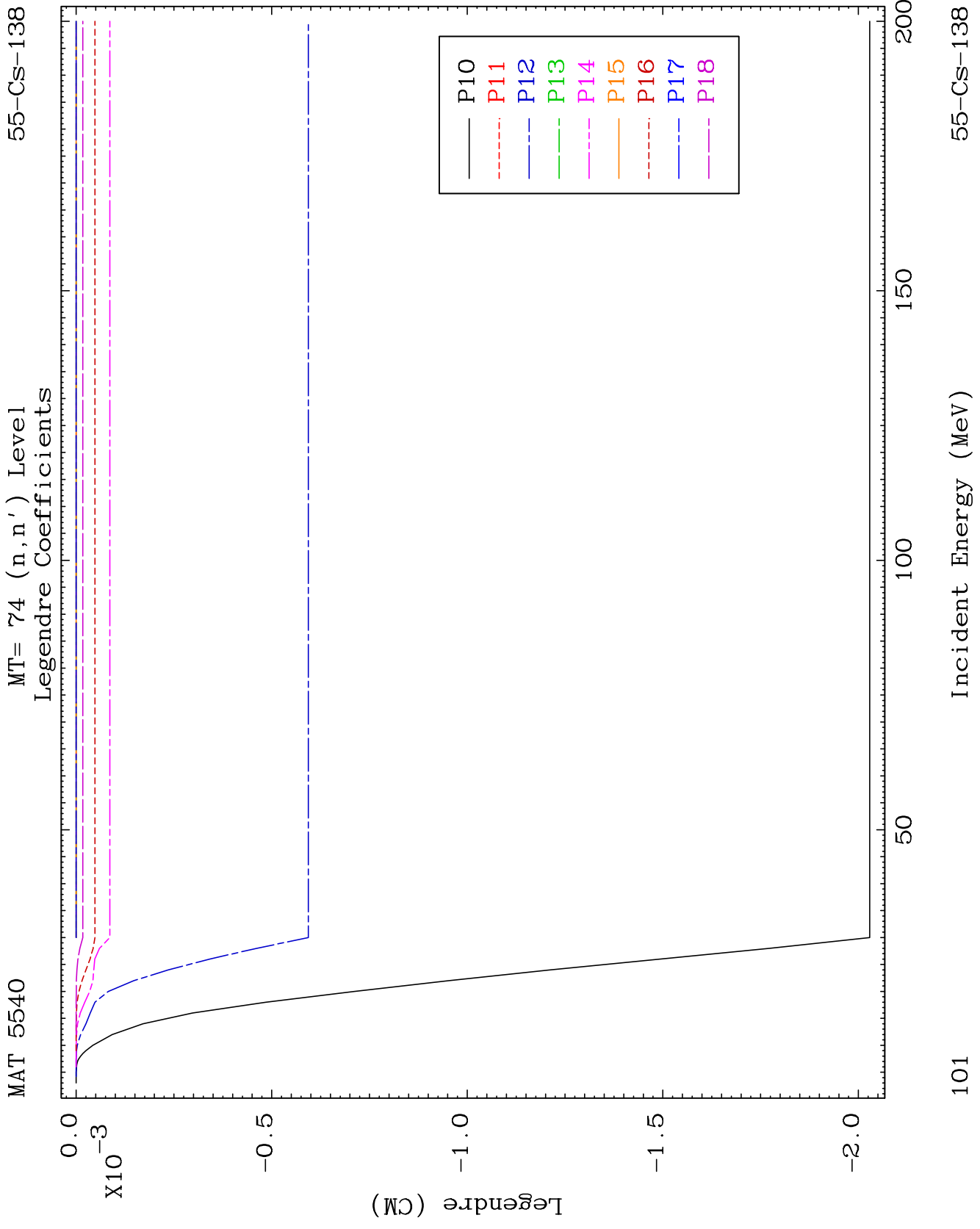
55-Cs-138

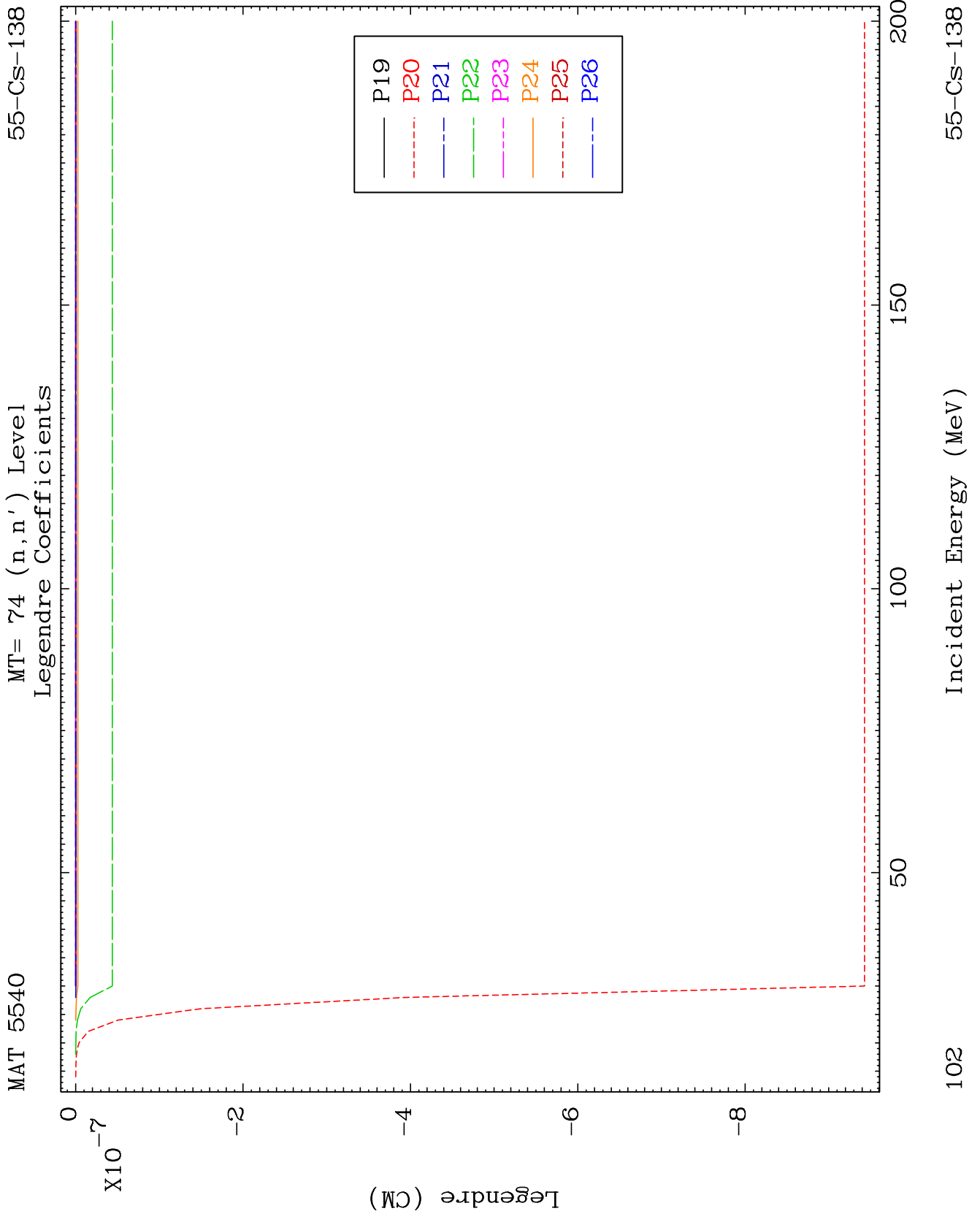


99

Incident Energy (MeV)

55-Cs-138

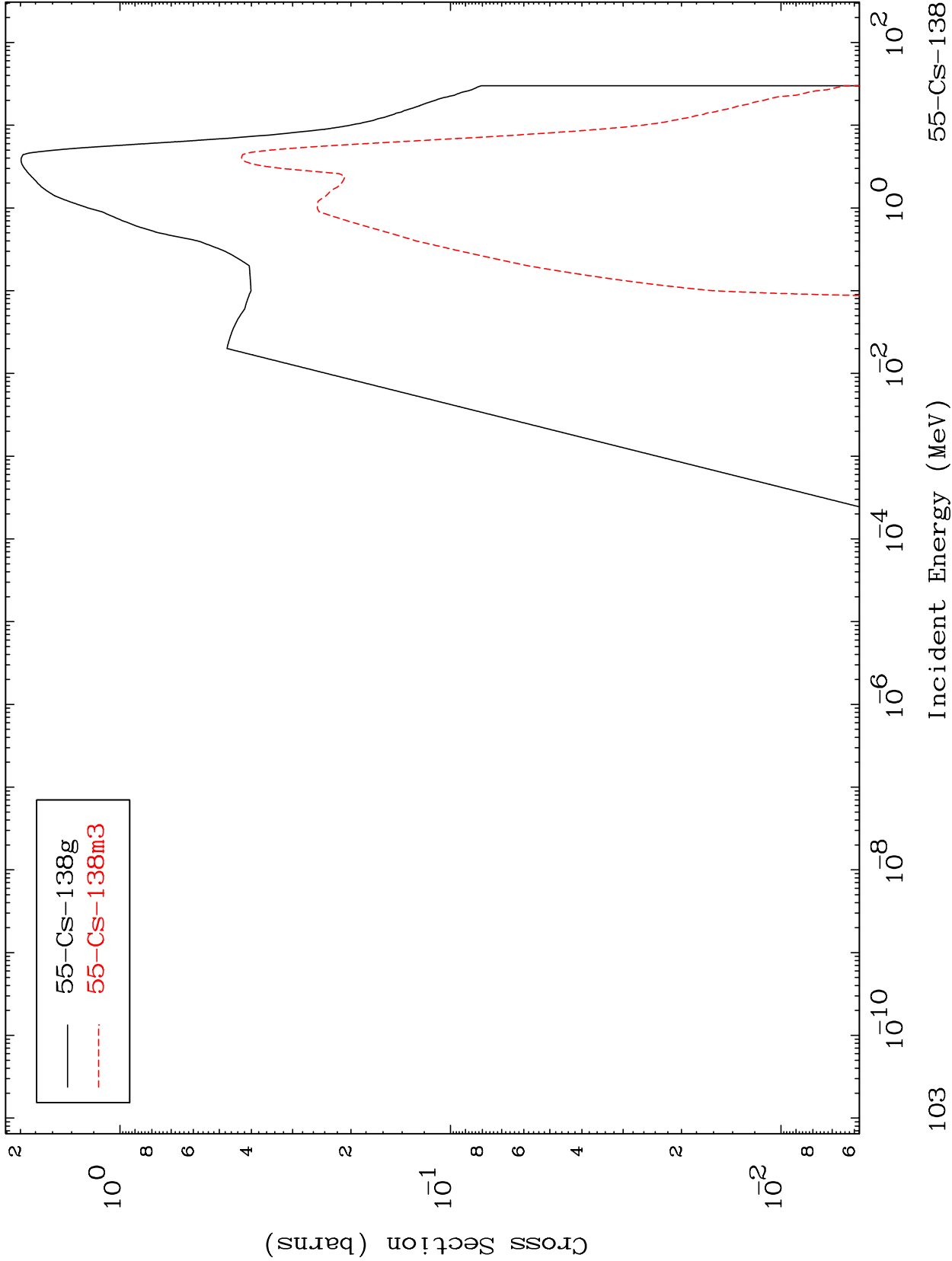




MAT 5540

Inelastic
Radionuclide Production Cross Section

55-Cs-138

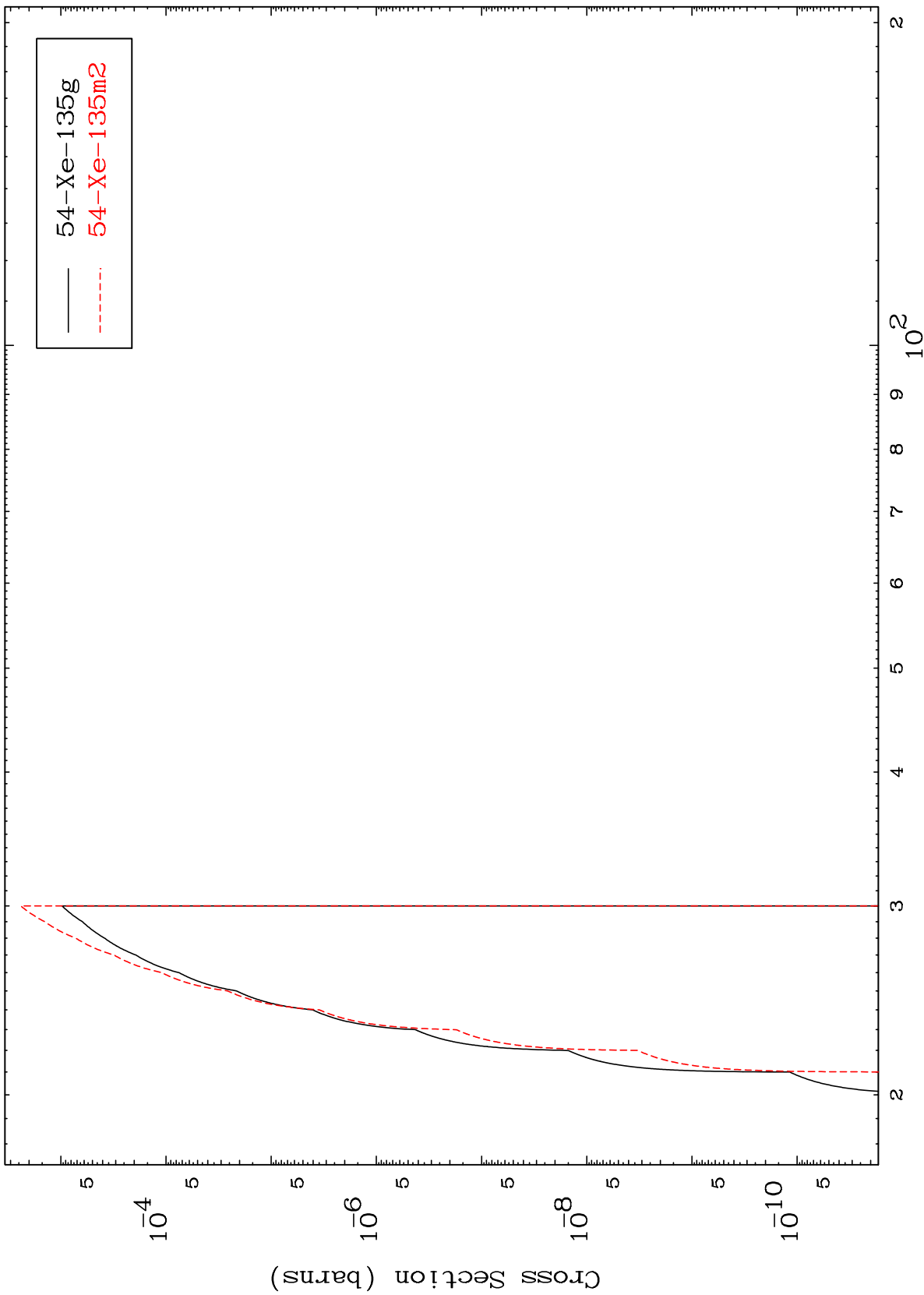


MAT 5540

(n,2n) d

55-Cs-138

Radionuclide Production Cross Section



104

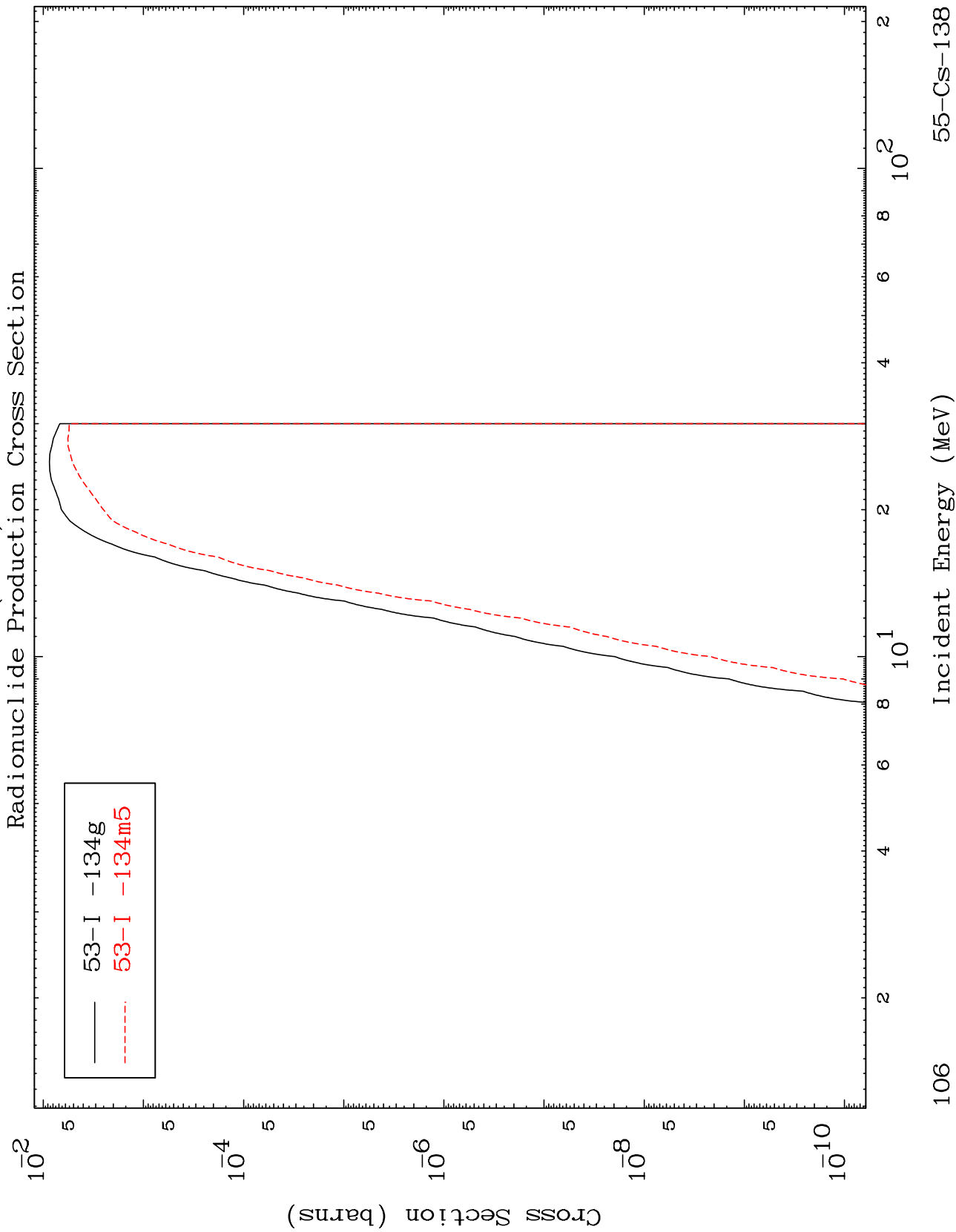
Incident Energy (MeV)

55-Cs-138

MAT 5540

(n,n') α

55-Cs-138



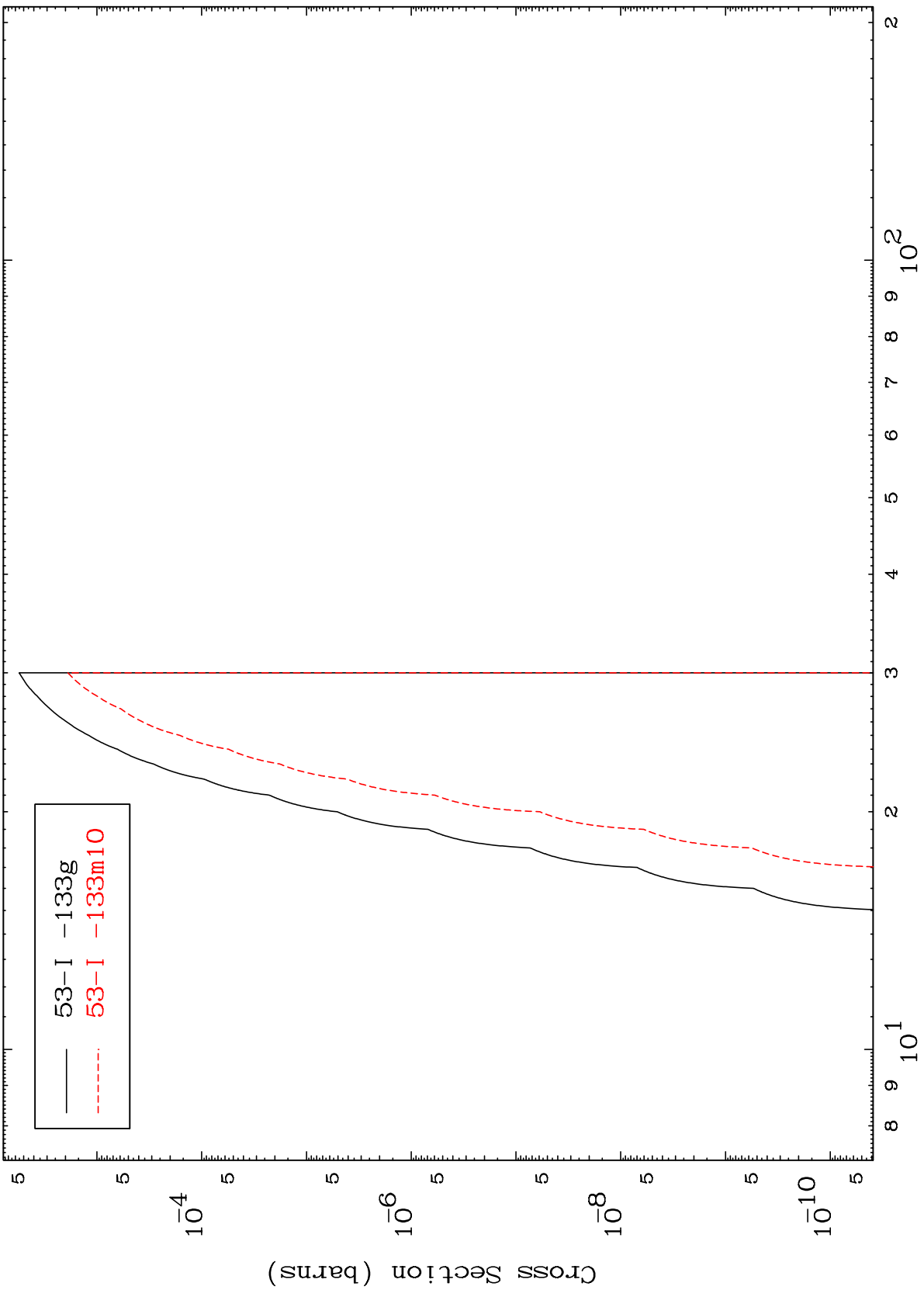
53-I -134g
53-I -134m5

MAT 5540

(n,2n) α

55-Cs-138

Radionuclide Production Cross Section



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

107

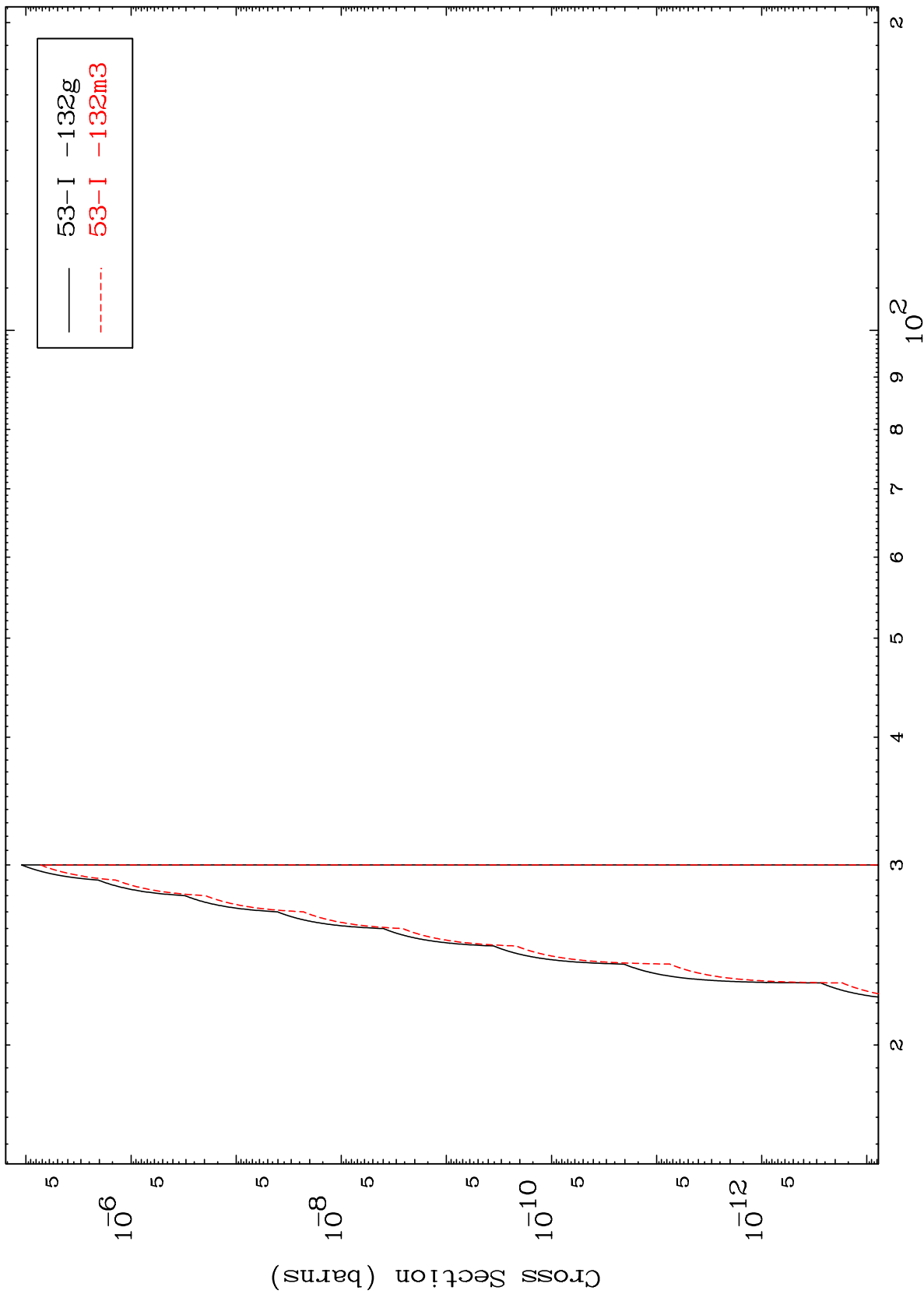
Incident Energy (MeV)

55-Cs-138

MAT 5540

55-Cs-138

$(n,3n) \alpha$
Radionuclide Production Cross Section

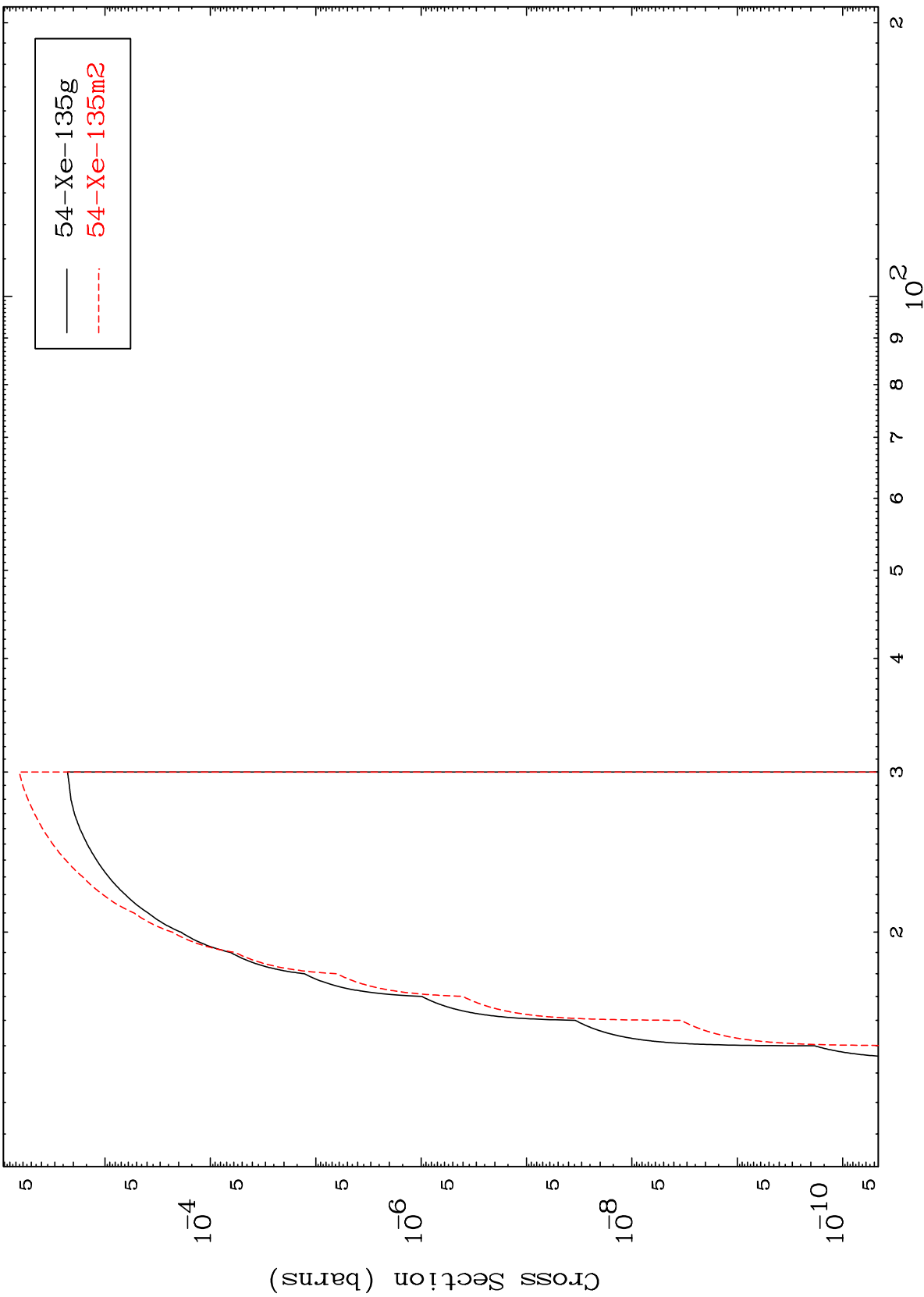


108

55-Cs-138

Incident Energy (MeV)

Radionuclide Production Cross Section

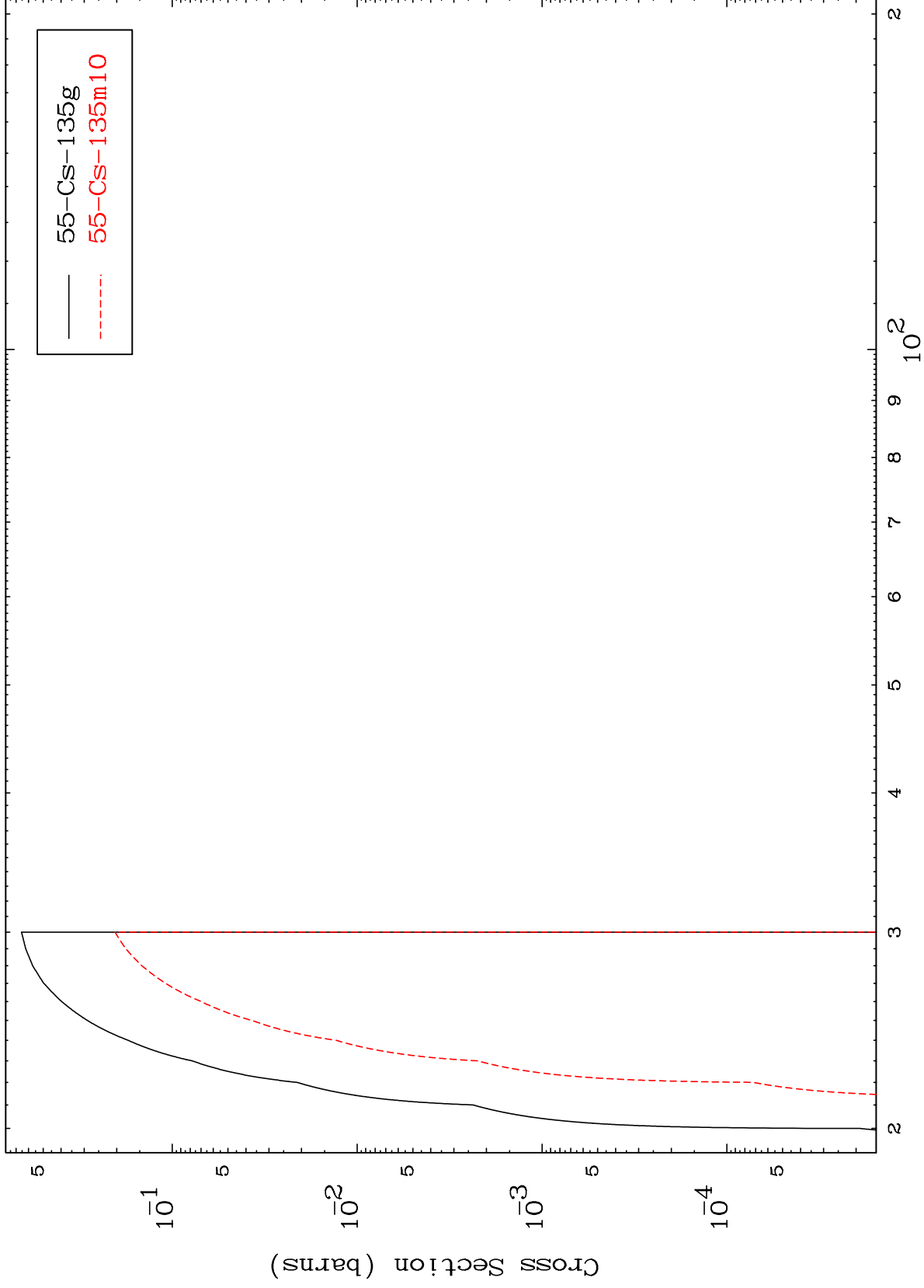


MAT 5540

(n,4n)

55-Cs-138

Radionuclide Production Cross Section



110

Incident Energy (MeV)

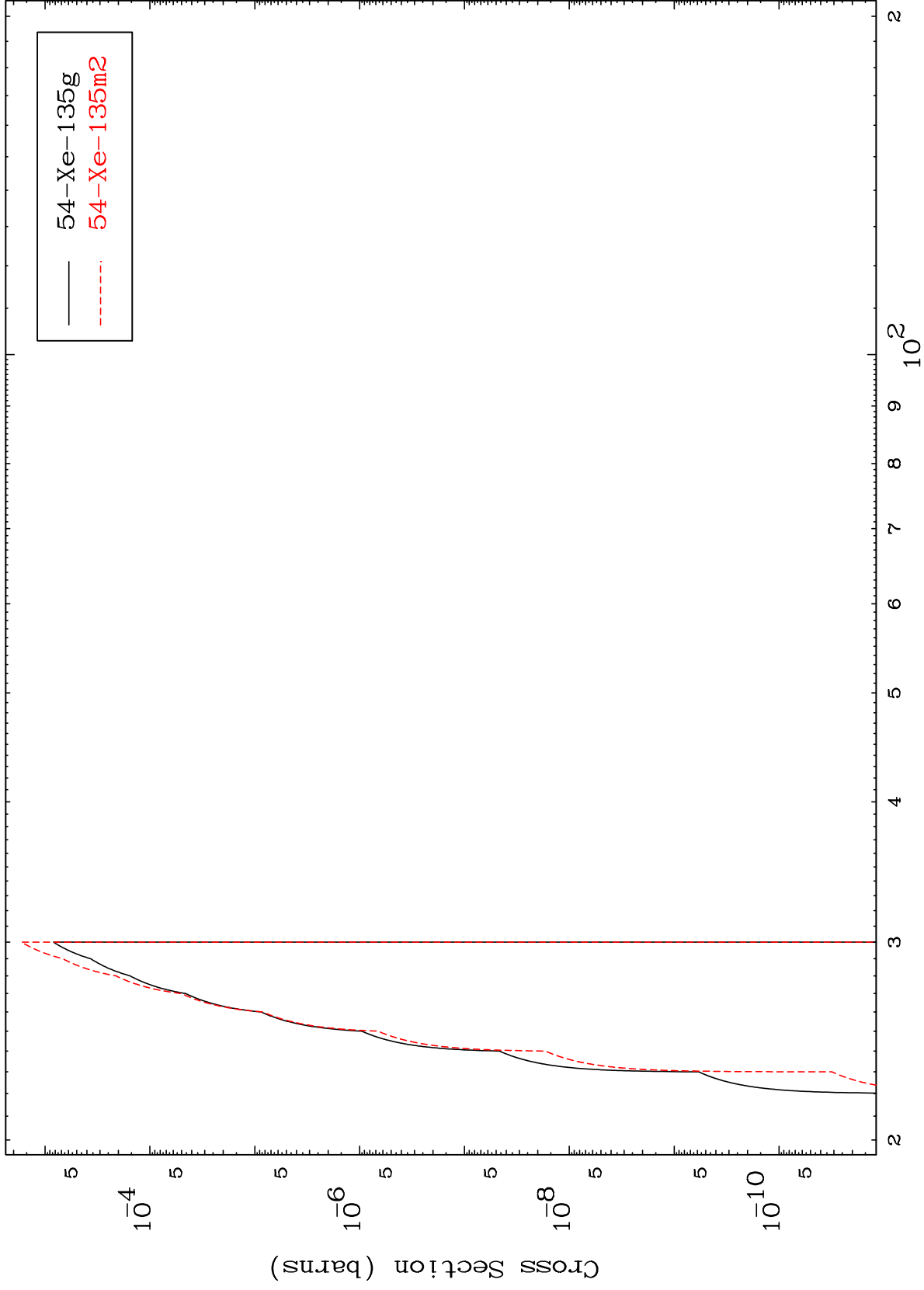
55-Cs-138

MAT 5540

(n,3n) p

55-Cs-138

Radionuclide Production Cross Section



111

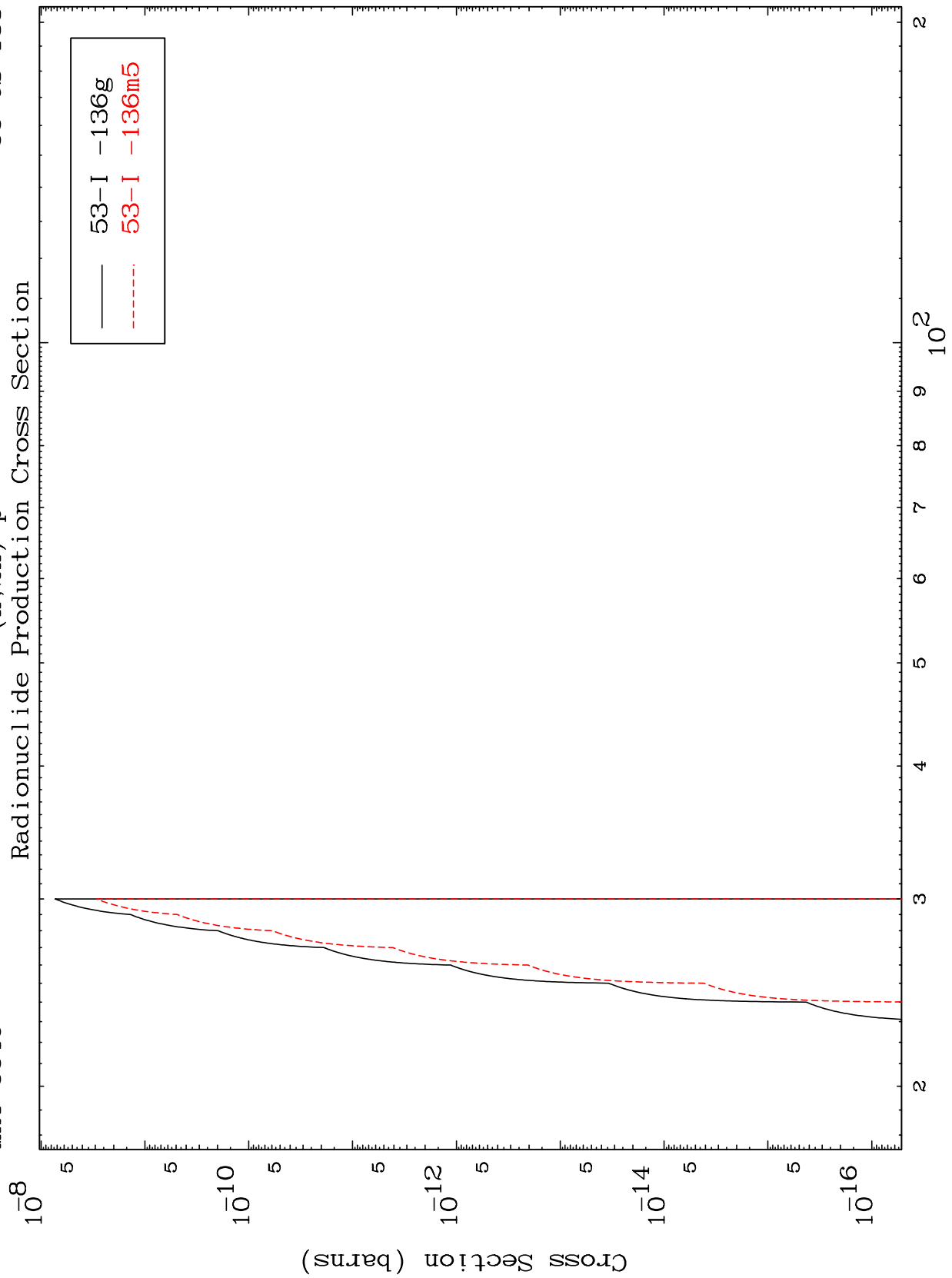
Incident Energy (MeV)

55-Cs-138

MAT 5540

55-Cs-138

(n,2n) p
Radionuclide Production Cross Section



112

55-Cs-138

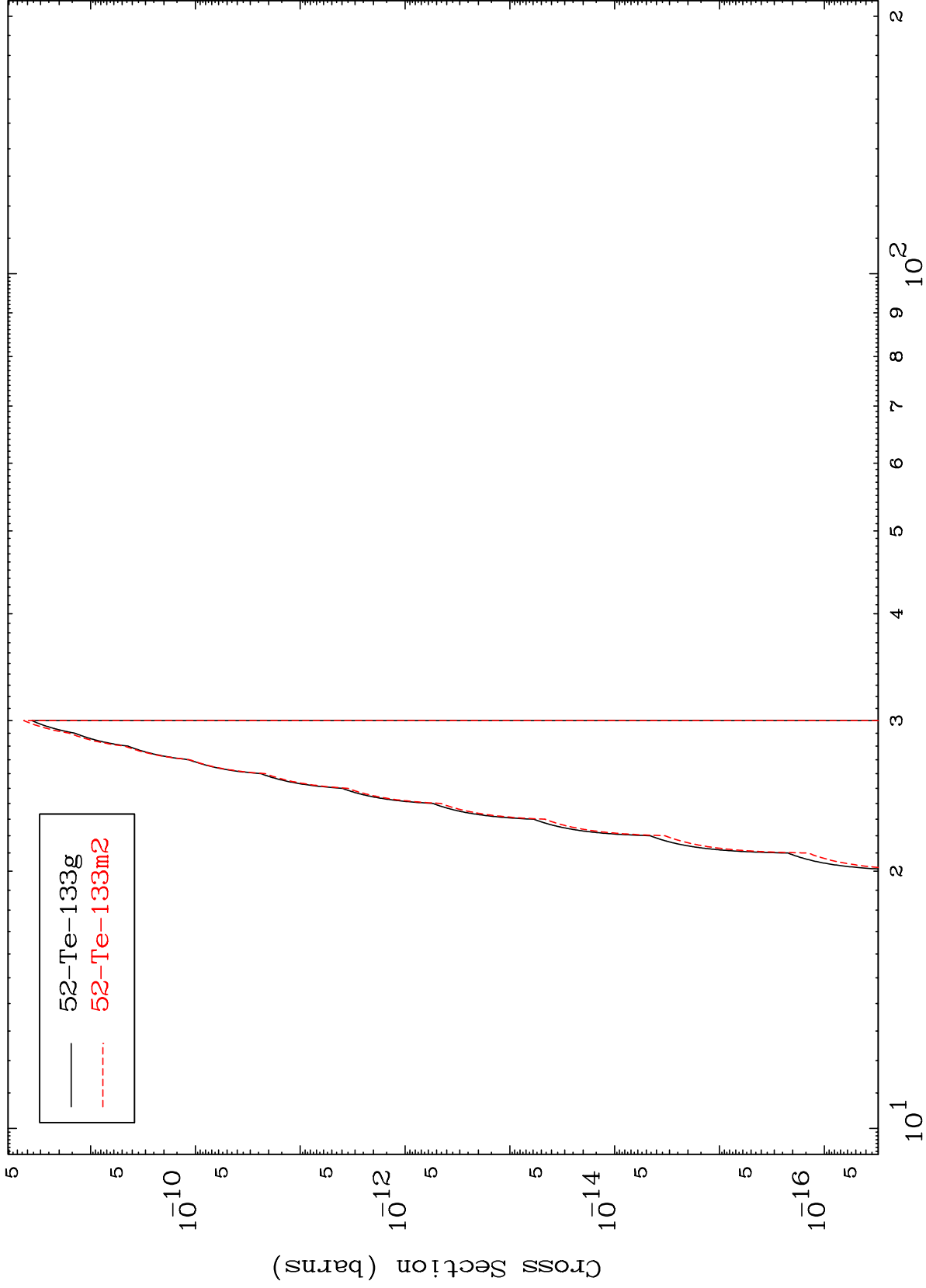
Incident Energy (MeV)

MAT 5540

(n,n') p α

55-Cs-138

Radionuclide Production Cross Section



Incident Energy (MeV)

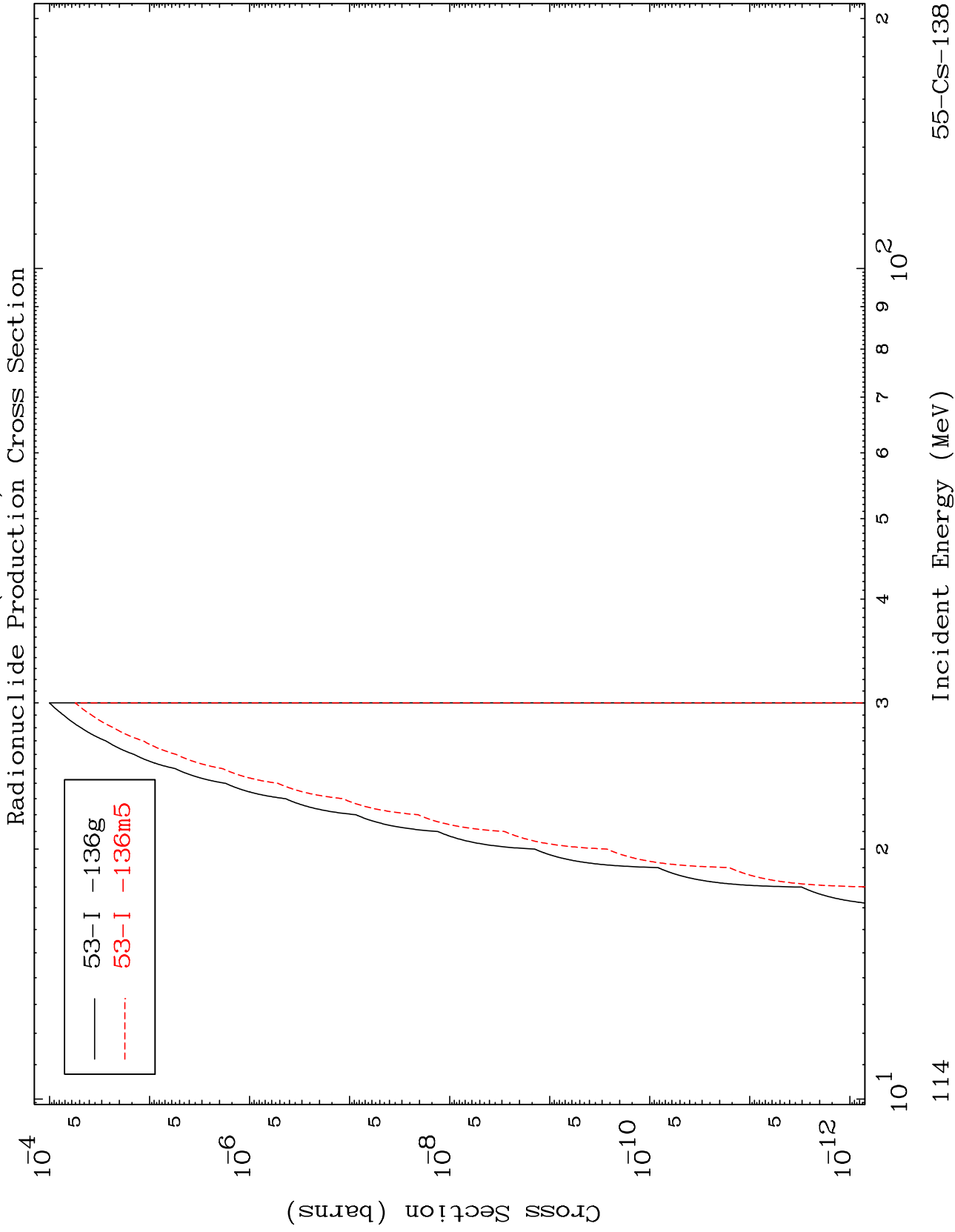
55-Cs-138

113

MAT 5540

(n,He-3)

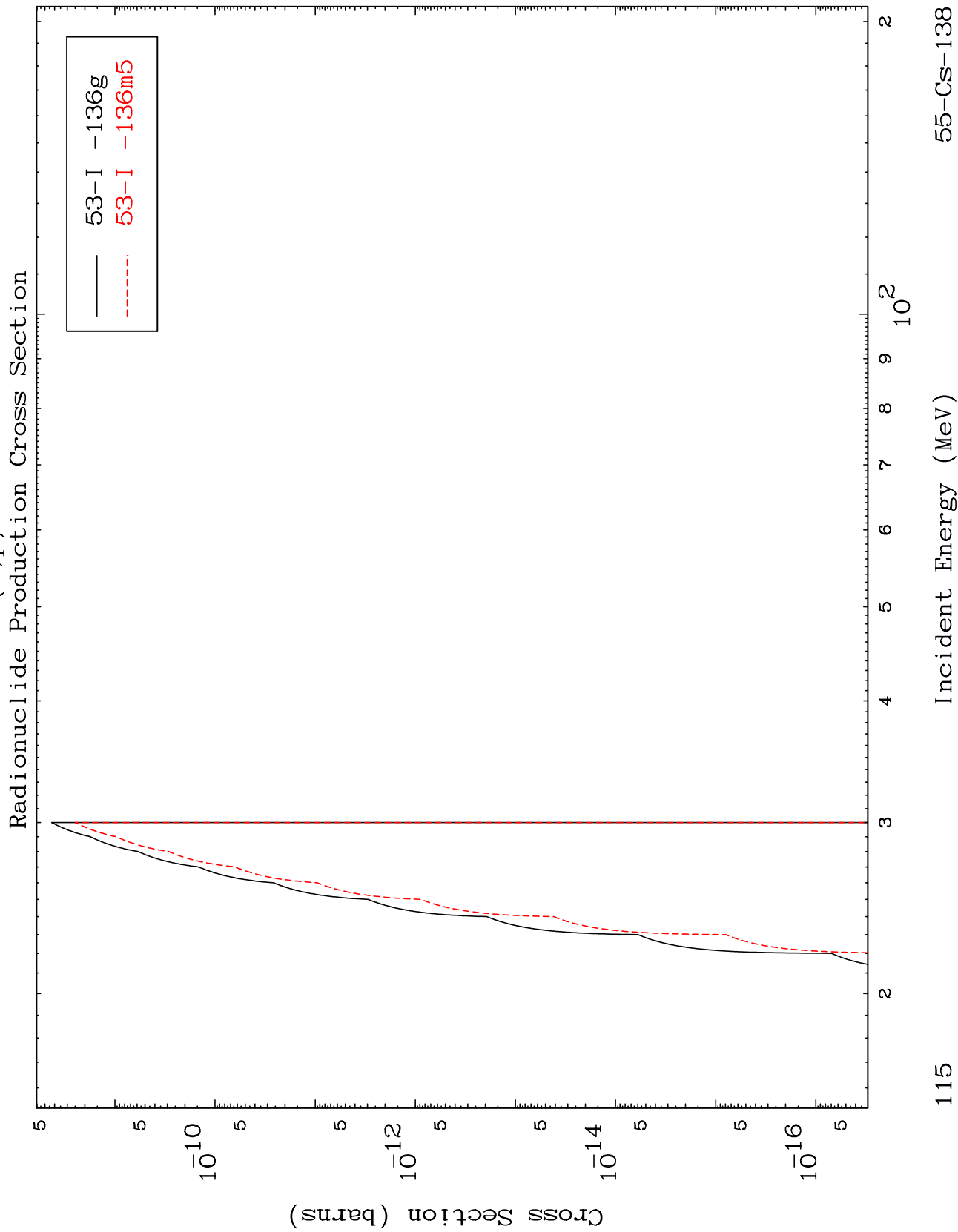
55-Cs-138



MAT 5540

(n,p) d

55-Cs-138



115

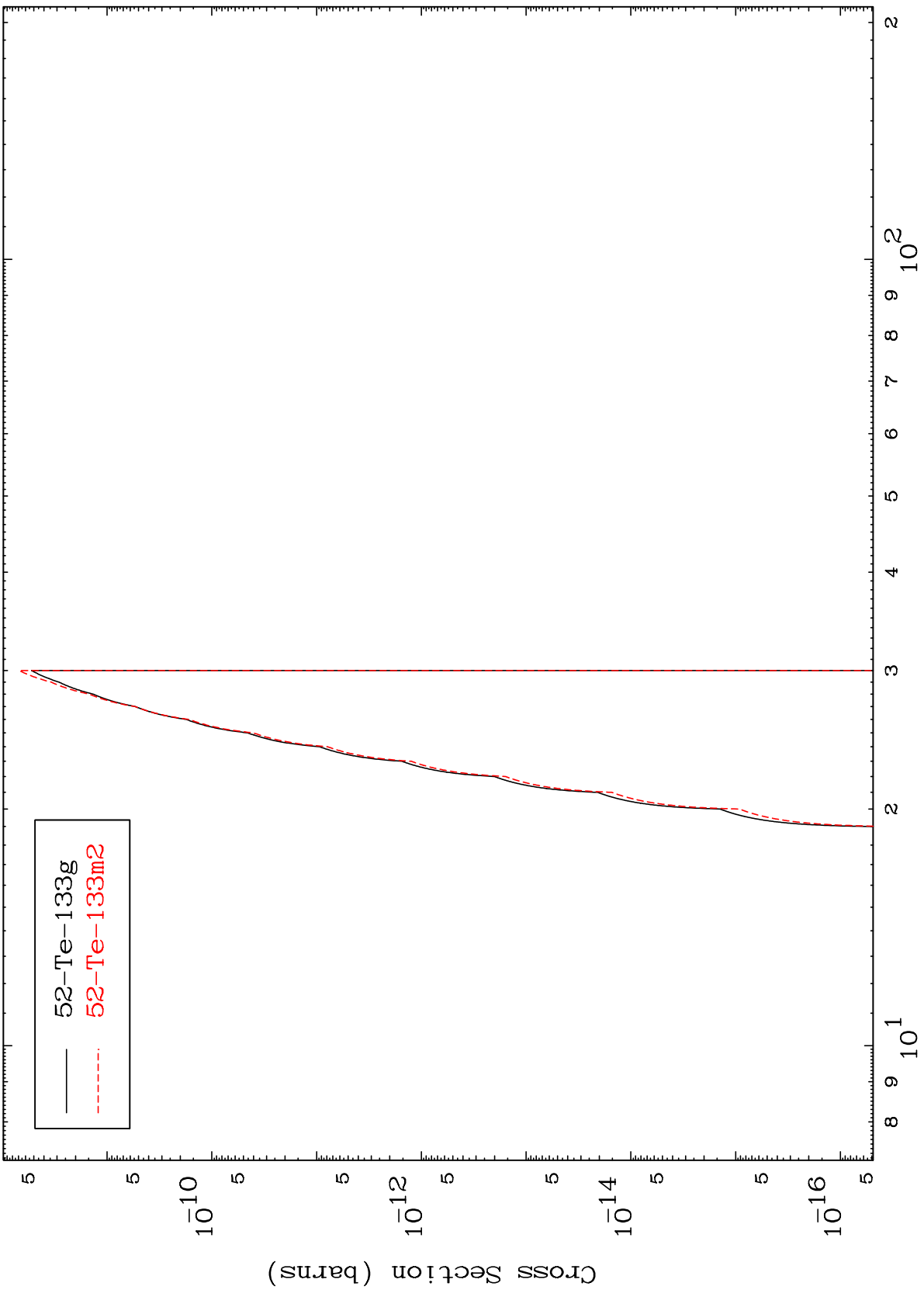
55-Cs-138

MAT 5540

(n,d) α

55-Cs-138

Radionuclide Production Cross Section



52-Te-133g
52-Te-133m2

116

Incident Energy (MeV)

55-Cs-138