

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

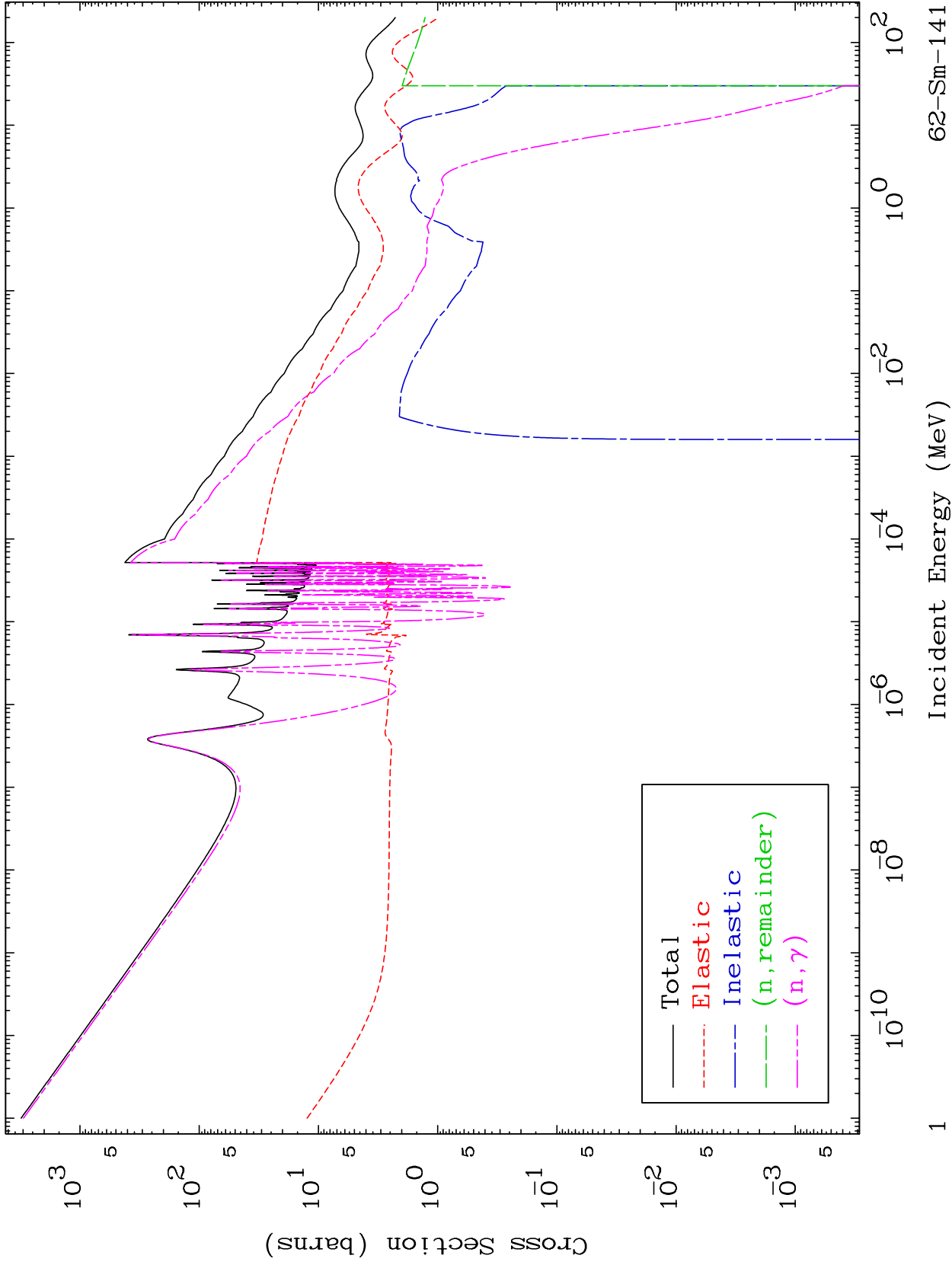
Press Mouse Button to Start

MAT 6216

Major

293 Kelvin Cross Sections

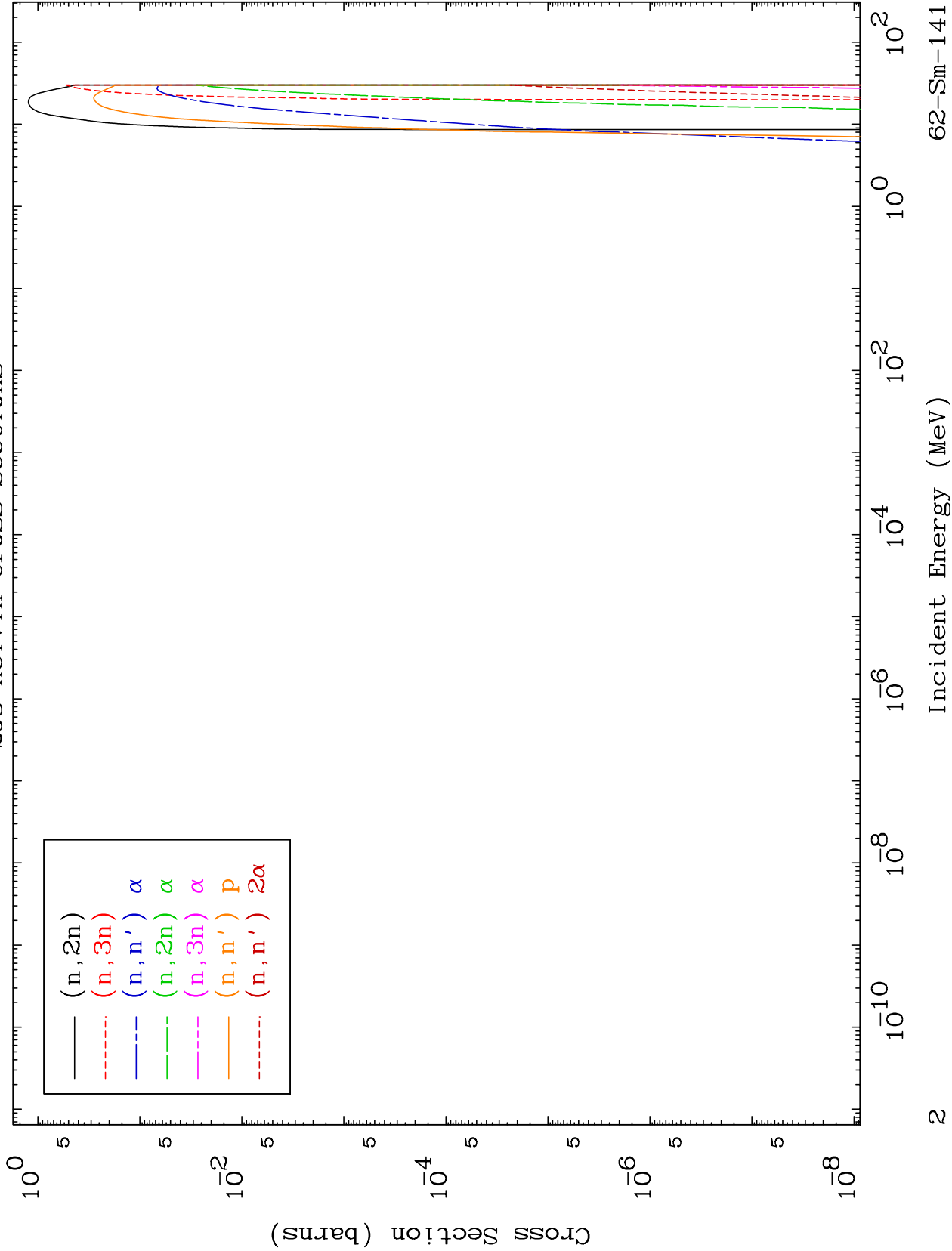
62-Sm-141

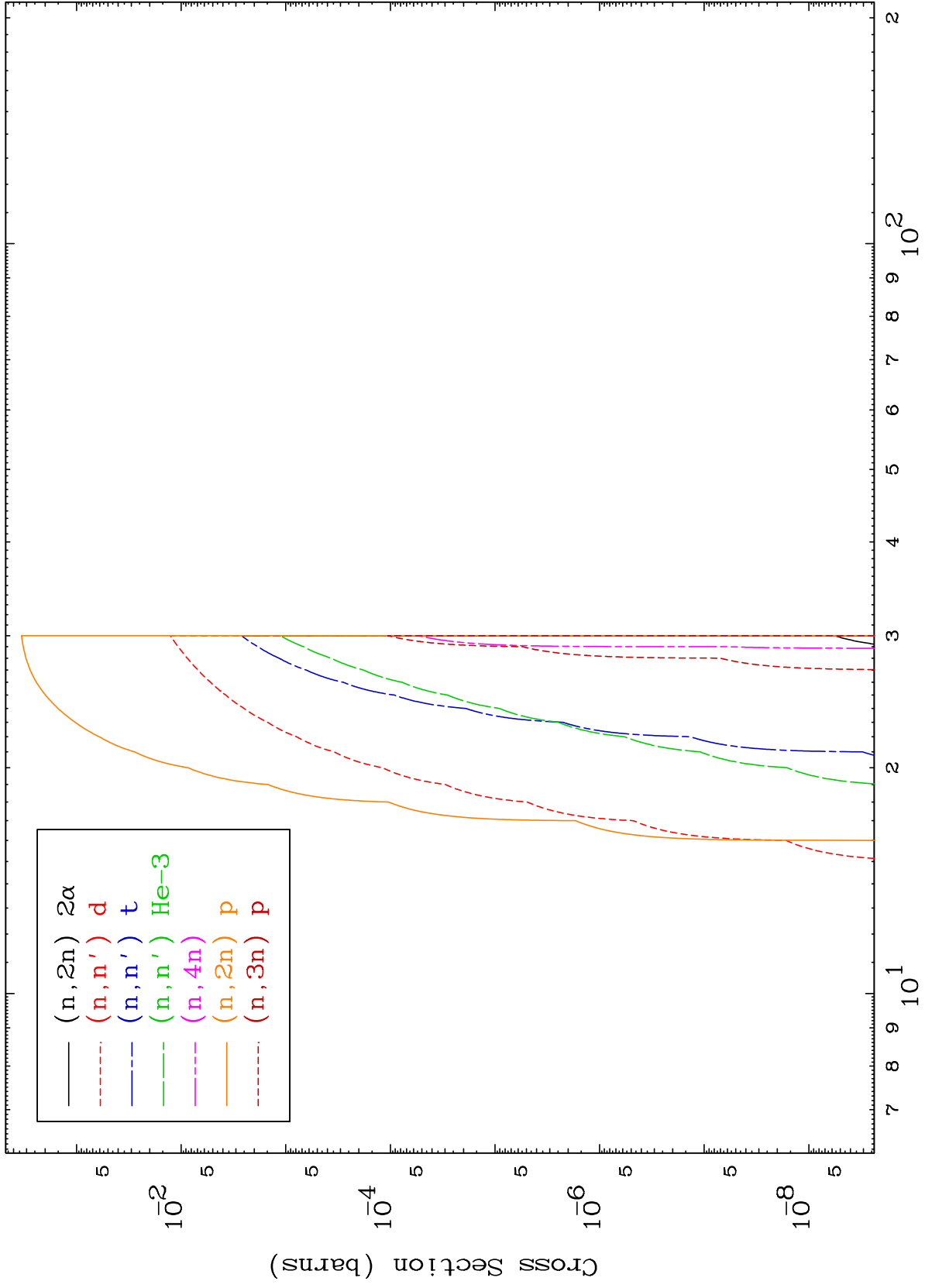


MAT 6216

Neutron Production
293 Kelvin Cross Sections

62-Sm-141

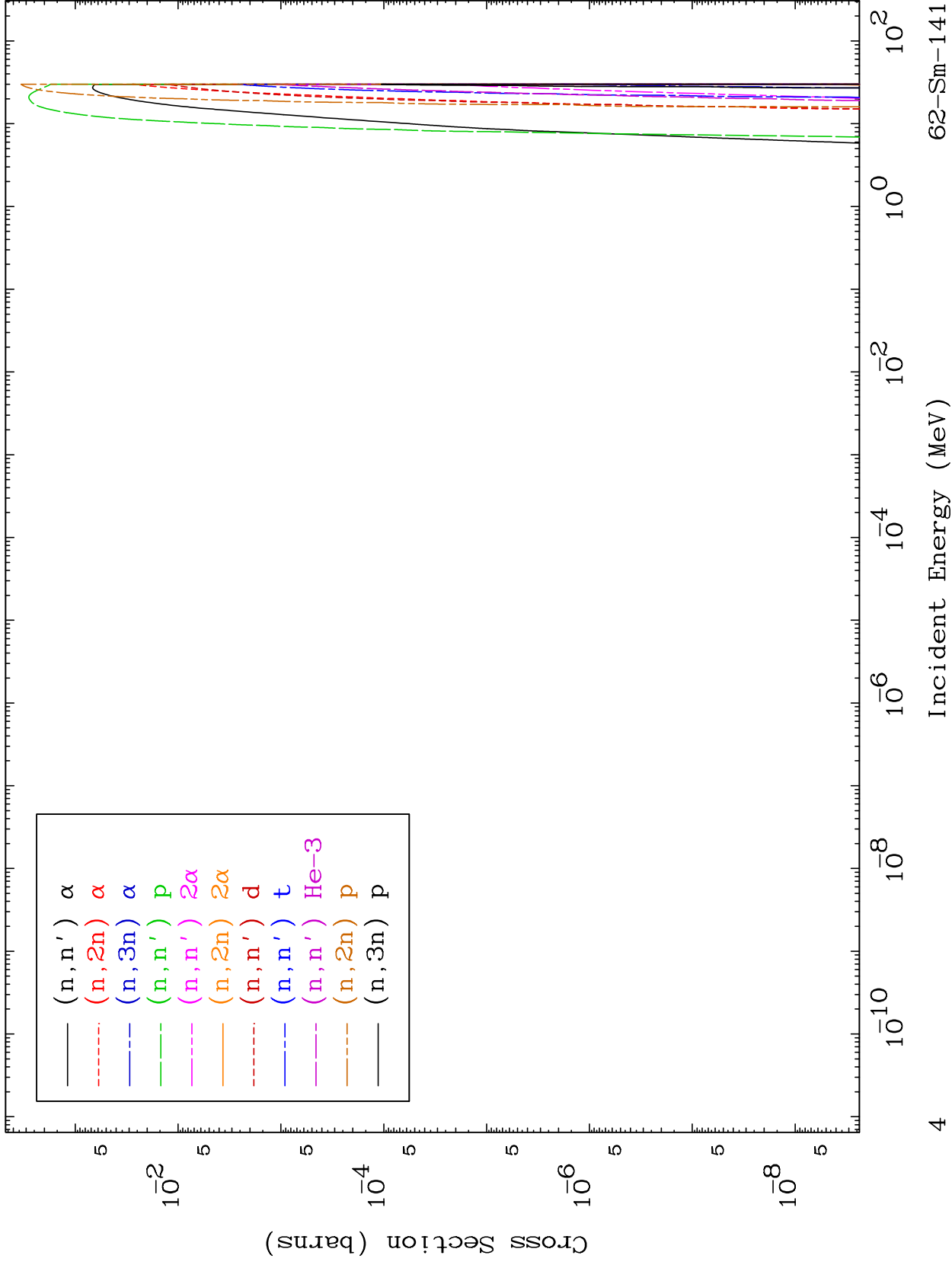




MAT 6216

Charged Particle
293 Kelvin Cross Sections

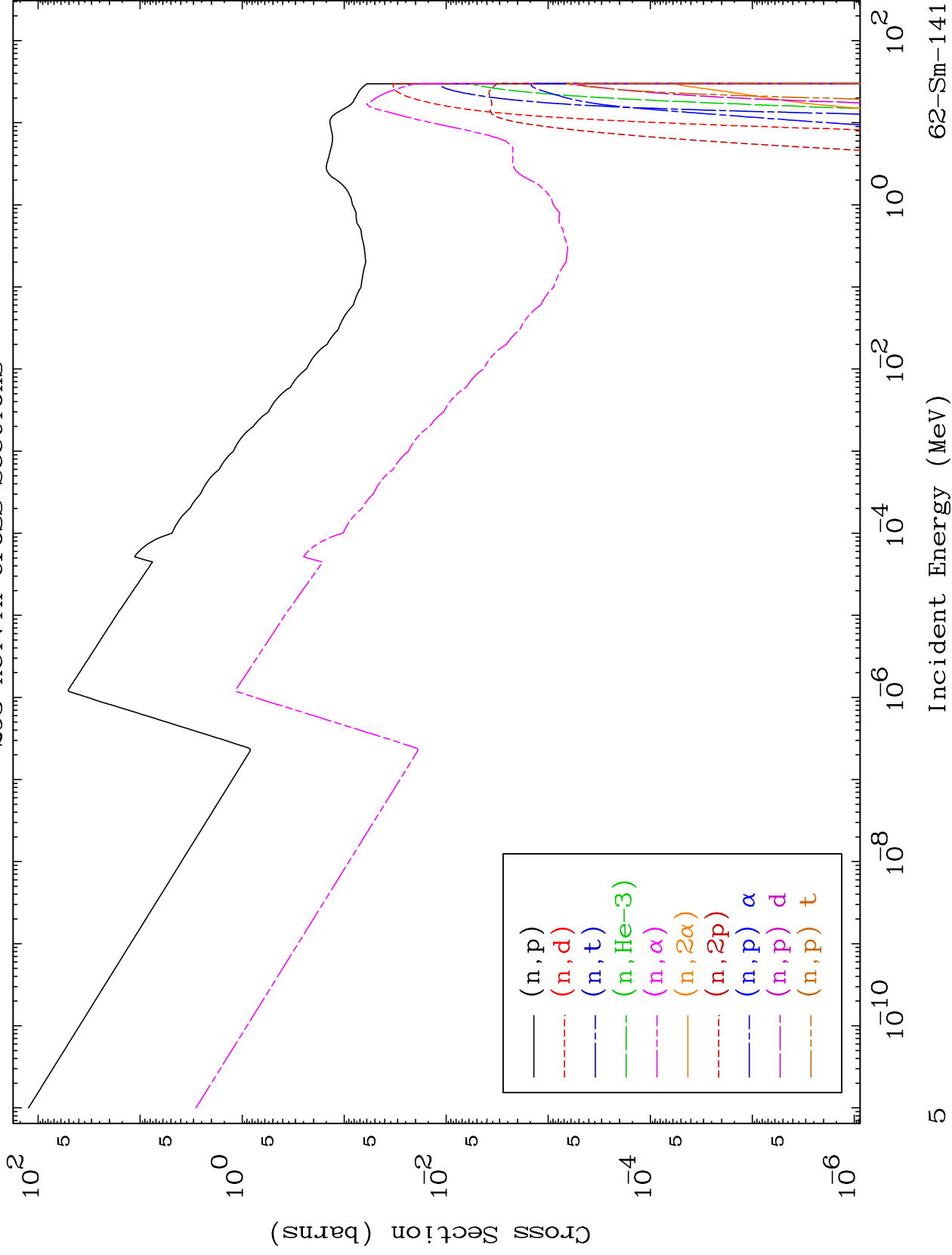
62-Sm-141



MAT 6216

Charged Particle
293 Kelvin Cross Sections

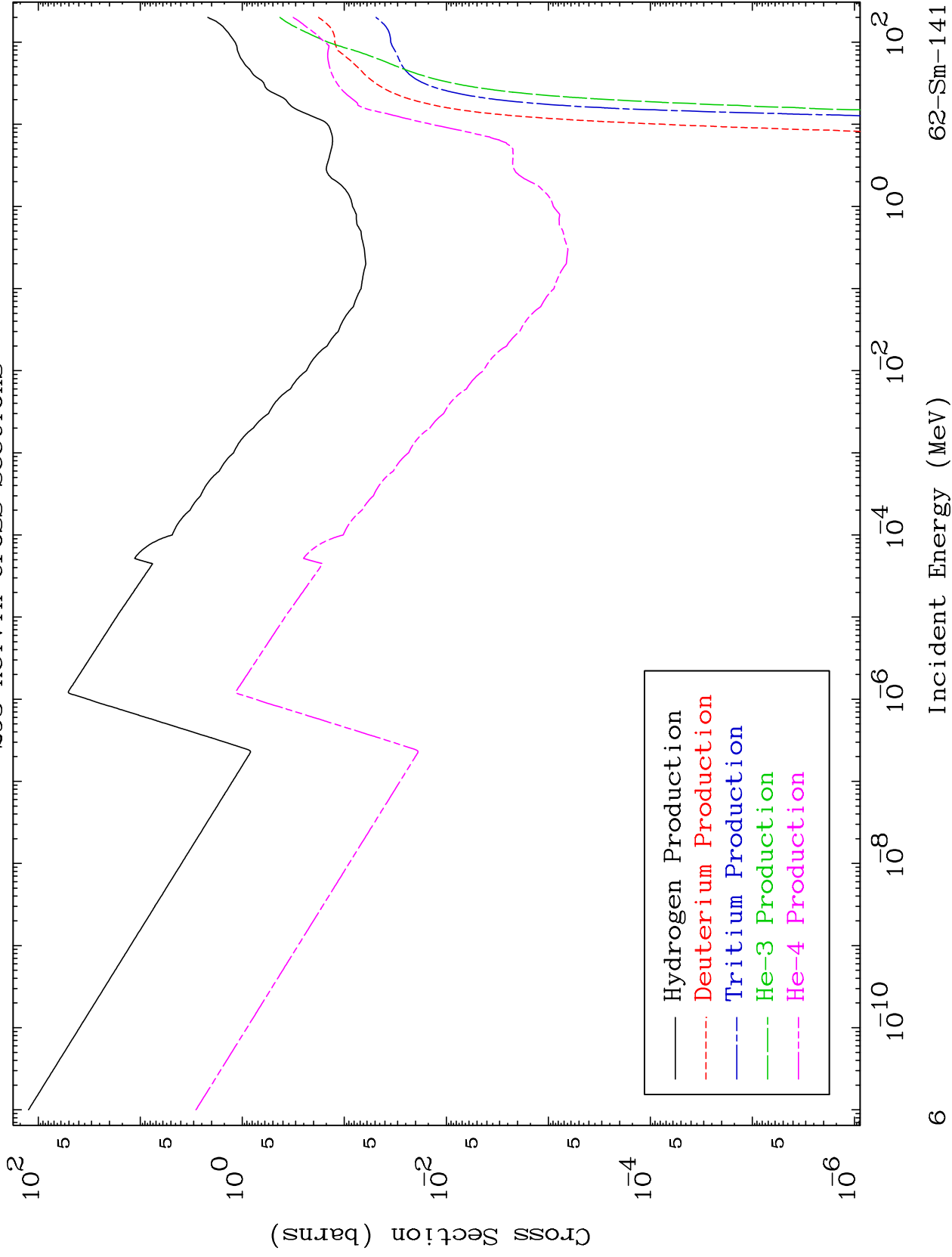
62-Sm-141



MAT 6216

Particle Production
293 Kelvin Cross Sections

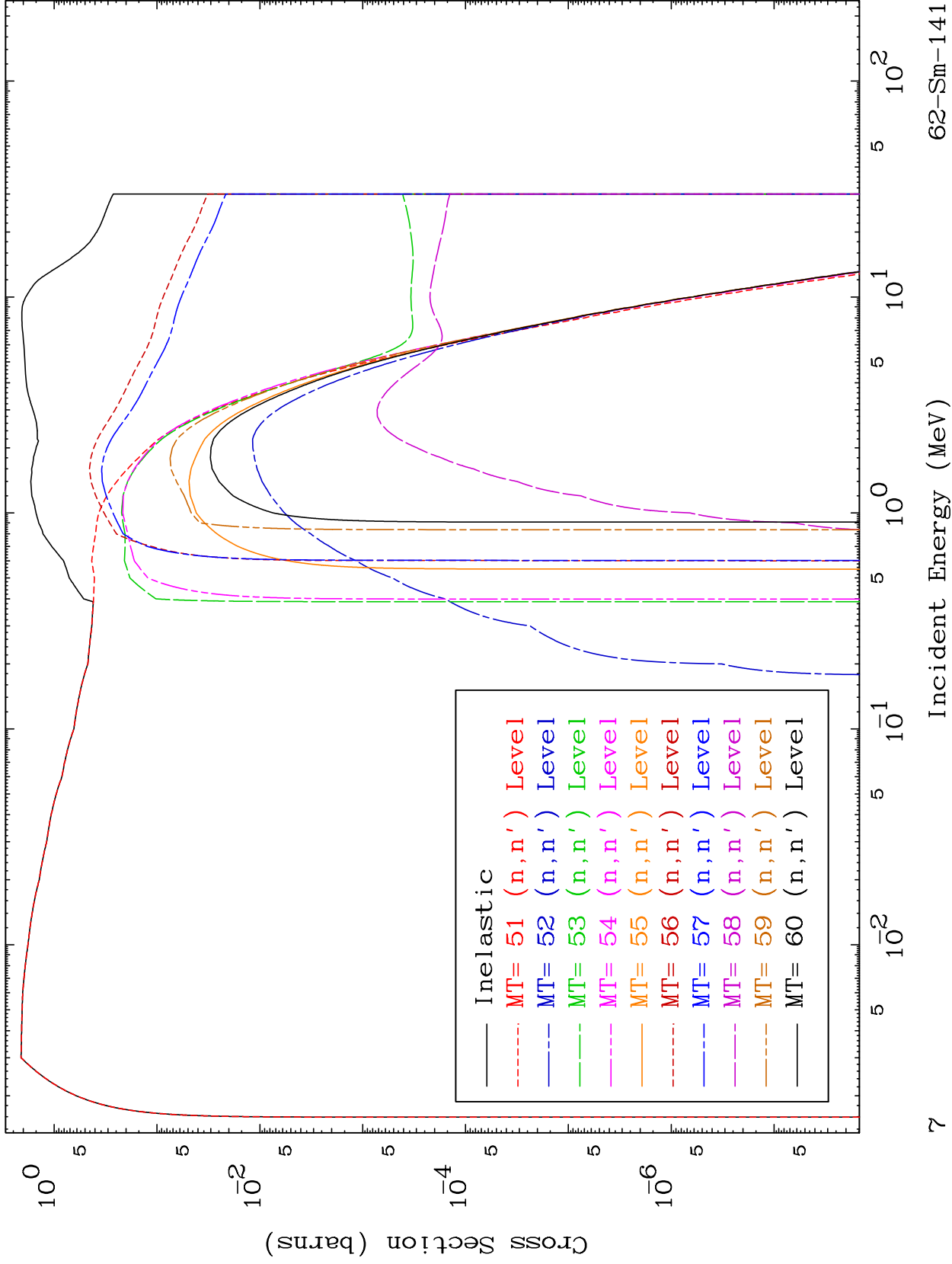
62-Sm-141



MAT 6216

293 Kelvin Cross Sections
(n,n') Level

62-Sm-141

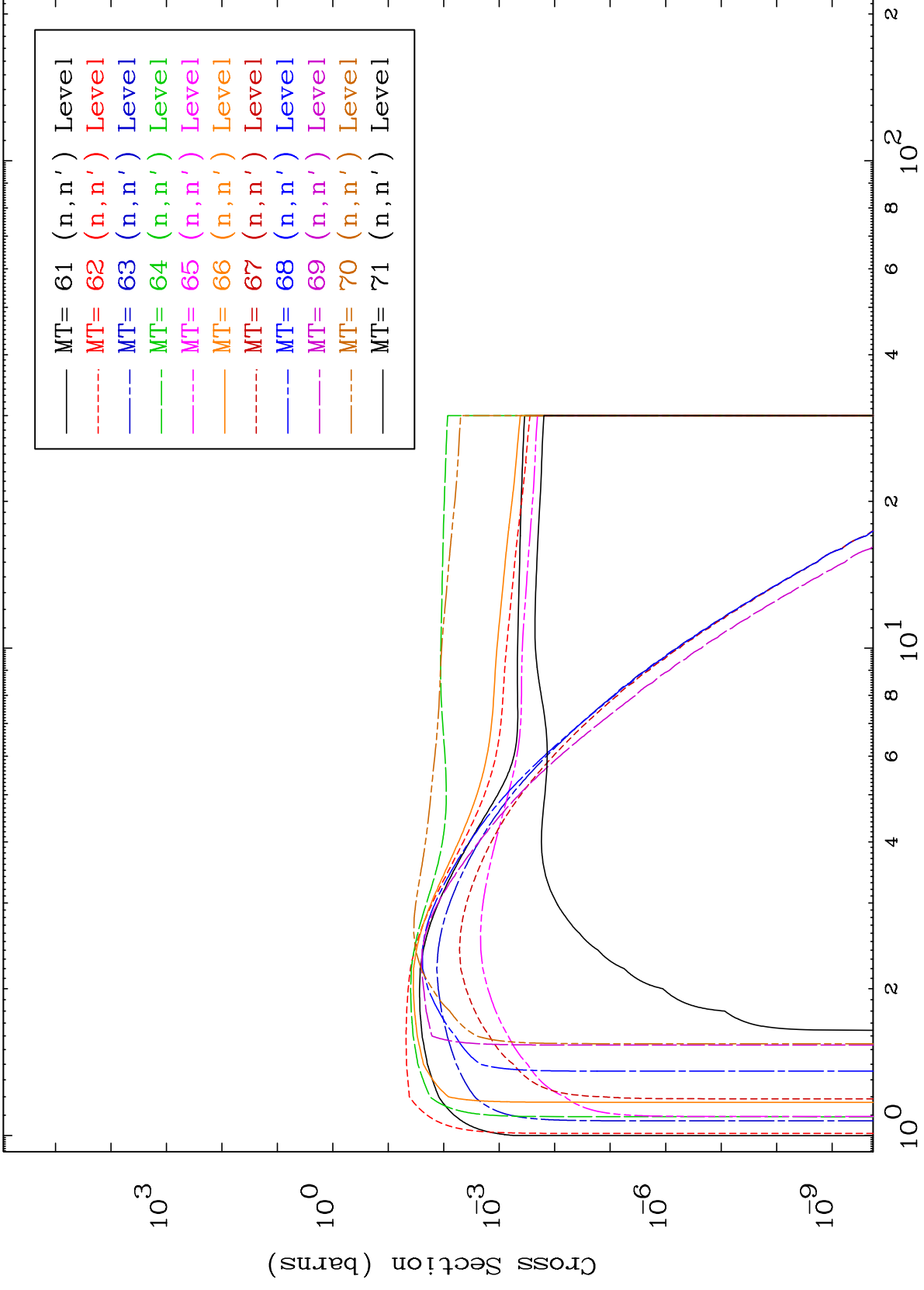


MAT 6216

(n,n') Level

62-Sm-141

293 Kelvin Cross Sections



Incident Energy (MeV)

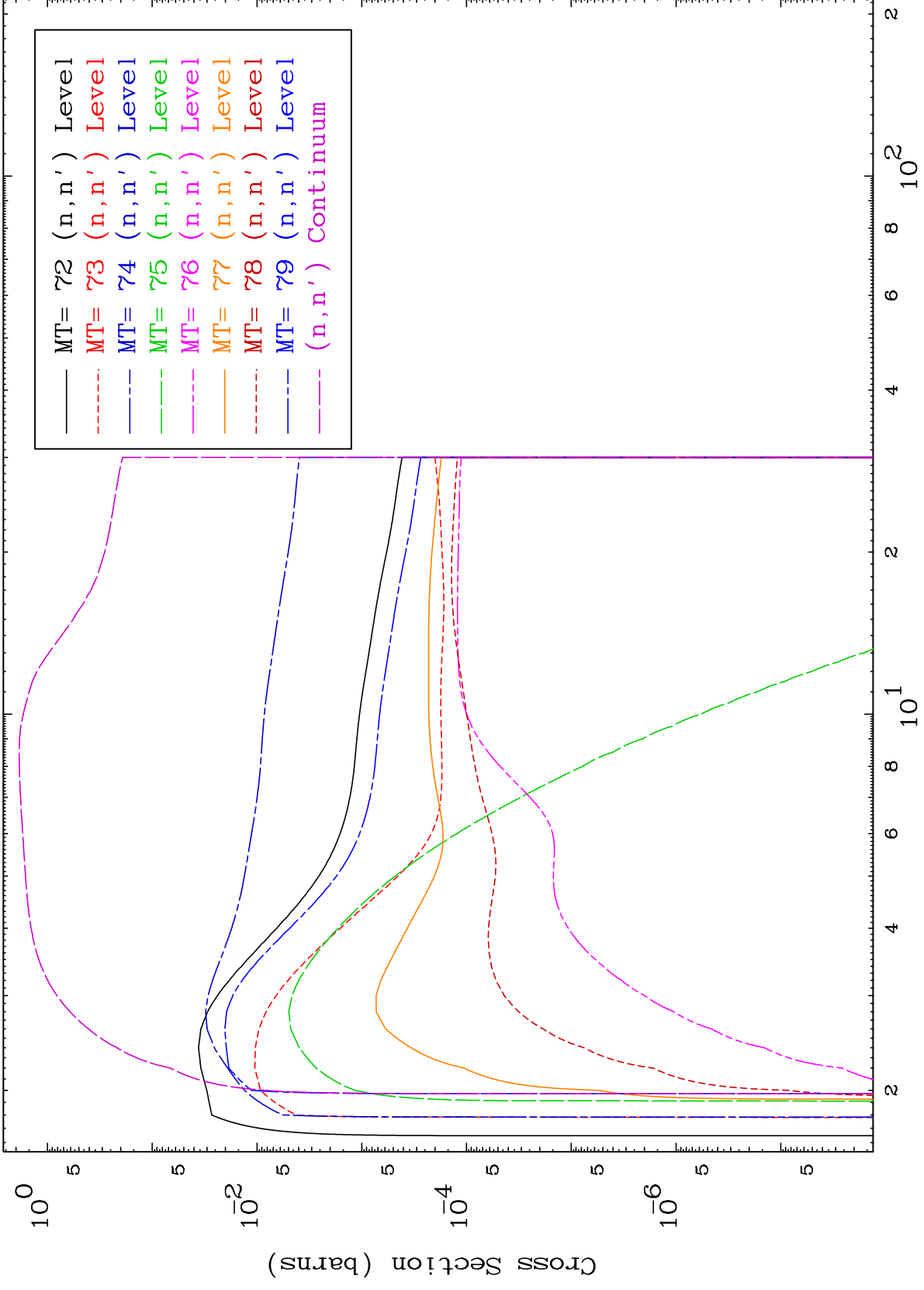
62-Sm-141

MAT 6216

(n,n') Level

62-Sm-141

293 Kelvin Cross Sections



9

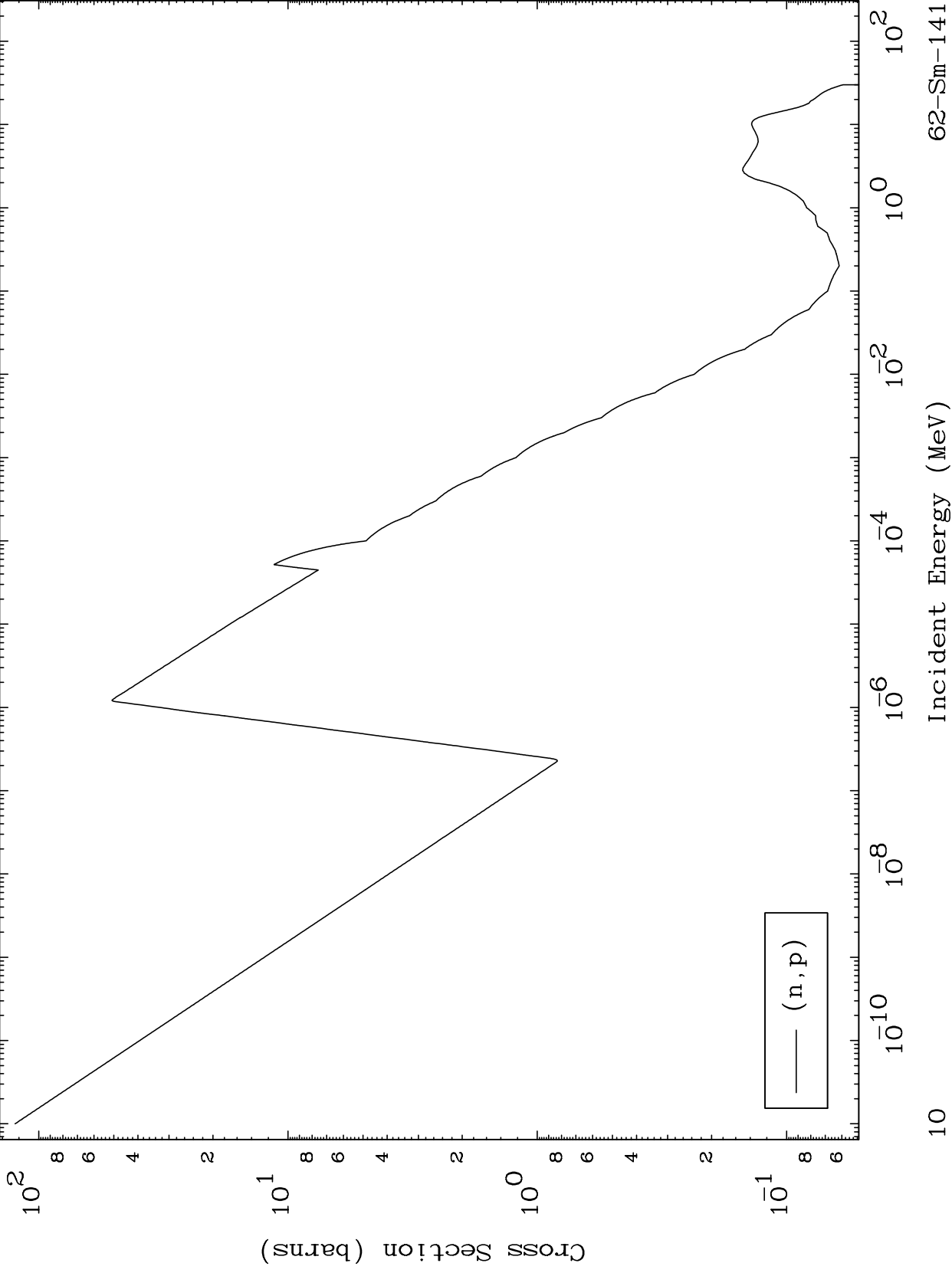
Incident Energy (MeV)

62-Sm-141

MAT 6216

(n,p) Levels
293 Kelvin Cross Sections

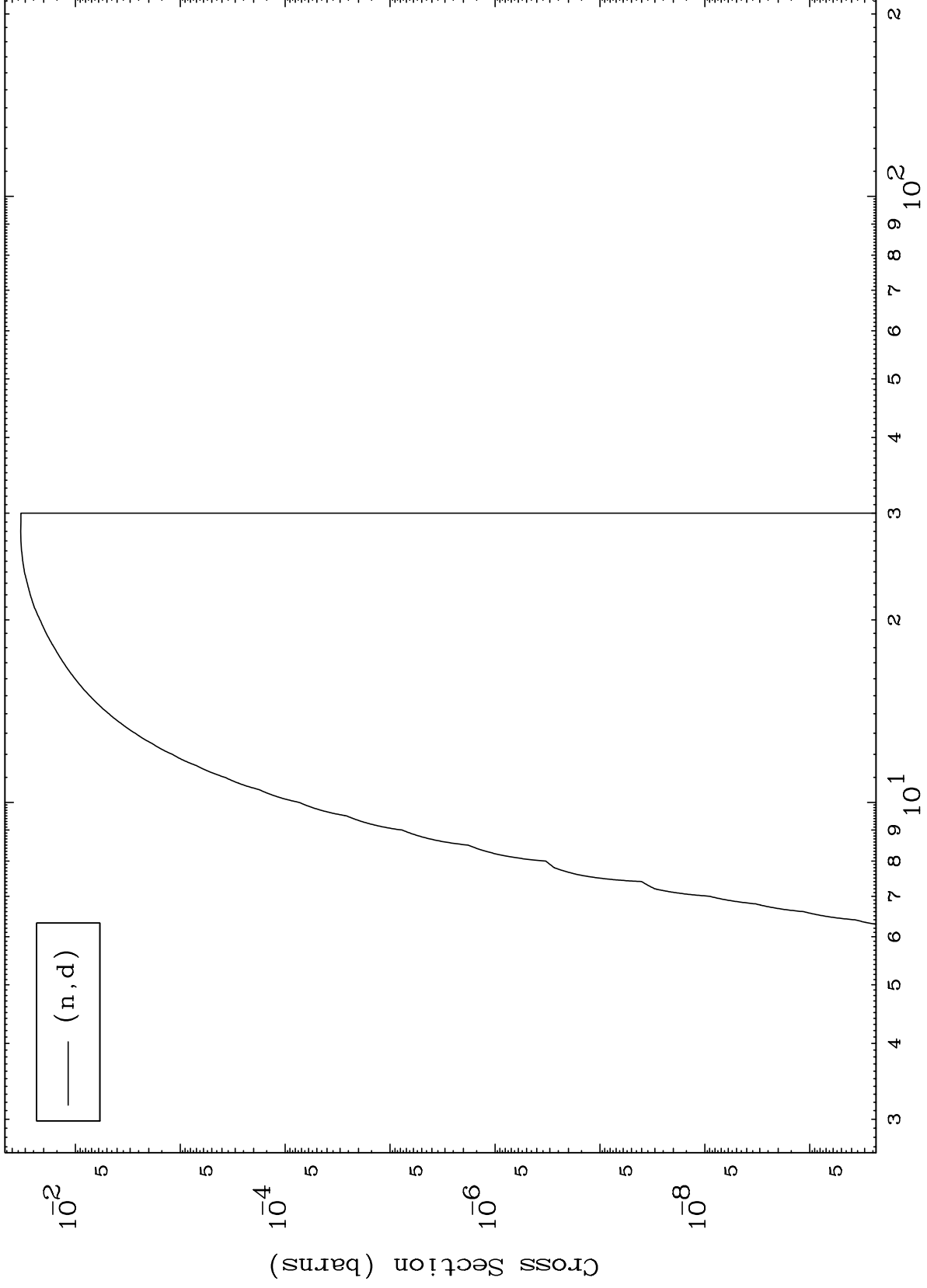
62-Sm-141



MAT 6216

(n,d) Levels
293 Kelvin Cross Sections

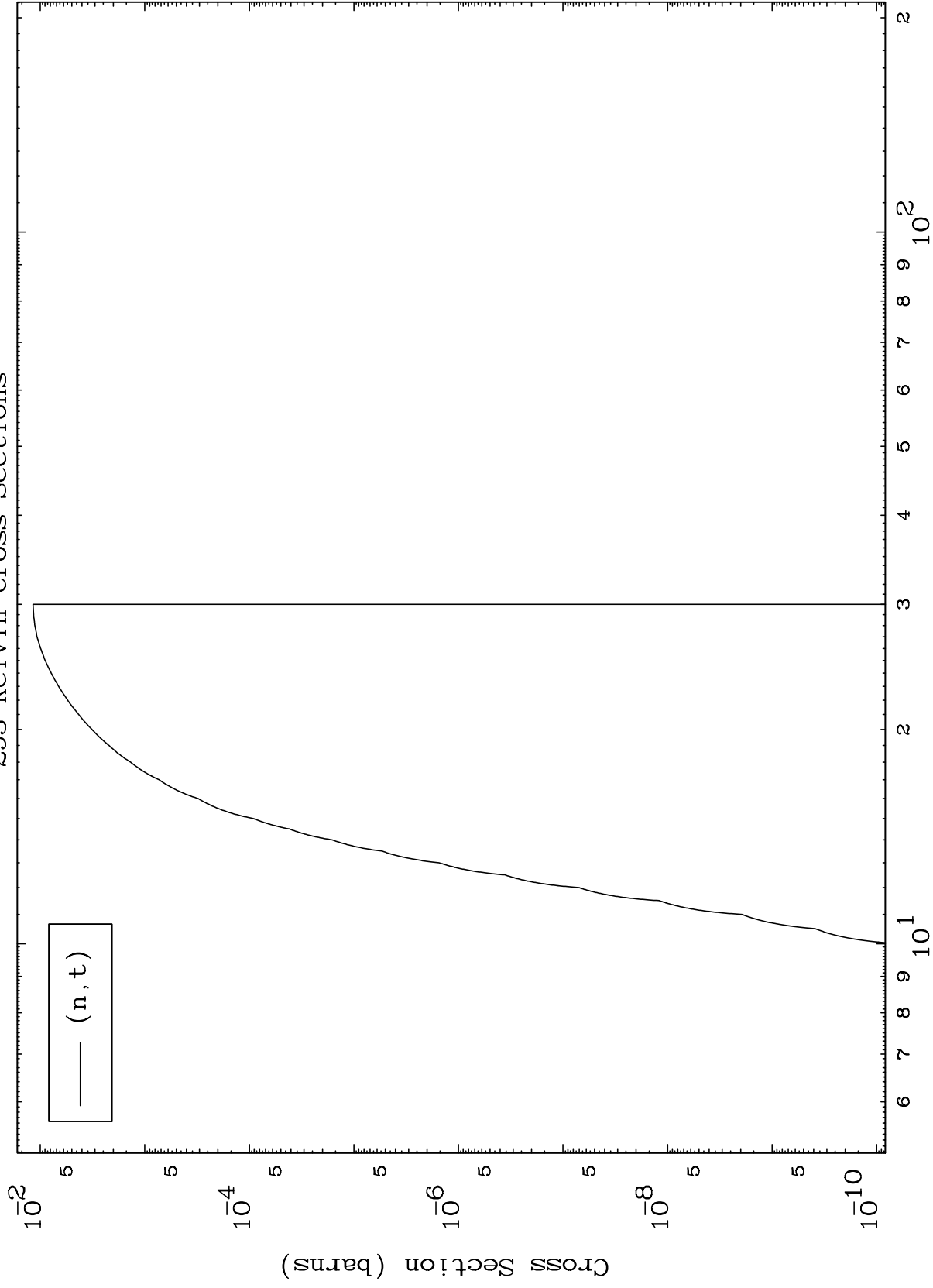
62-Sm-141



MAT 6216

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-141



12

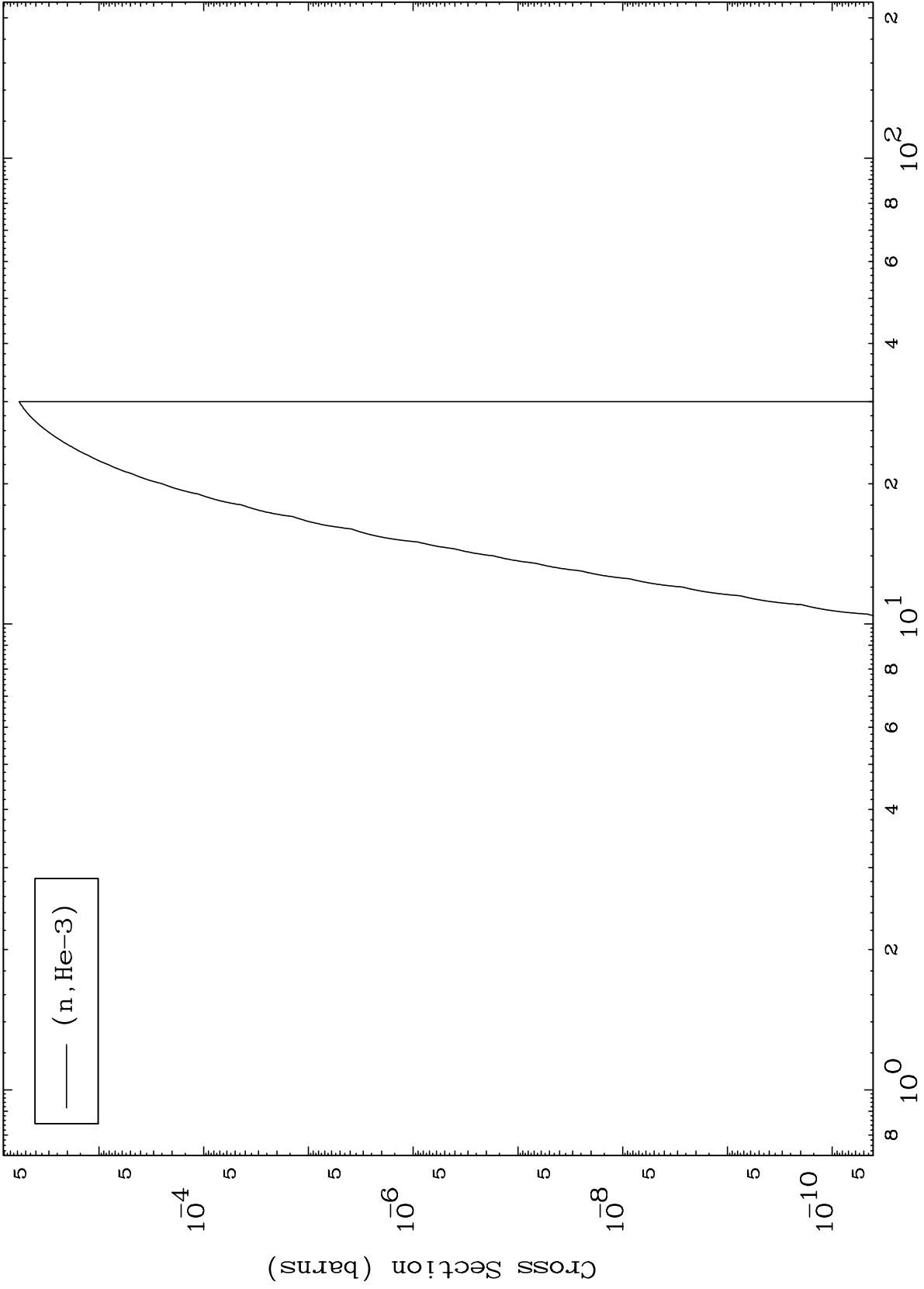
Incident Energy (MeV)

62-Sm-141

MAT 6216

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-141



13

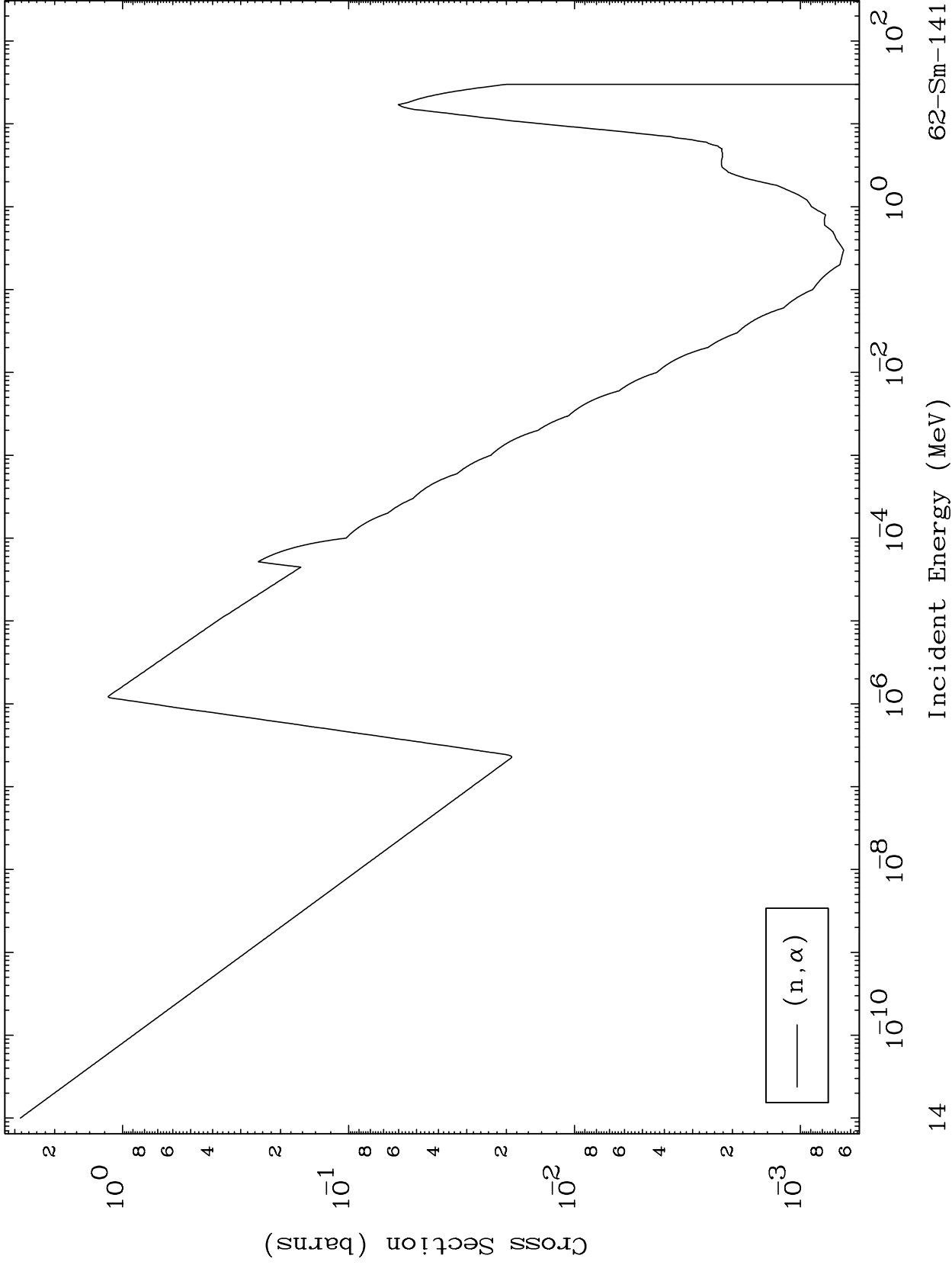
Incident Energy (MeV)

62-Sm-141

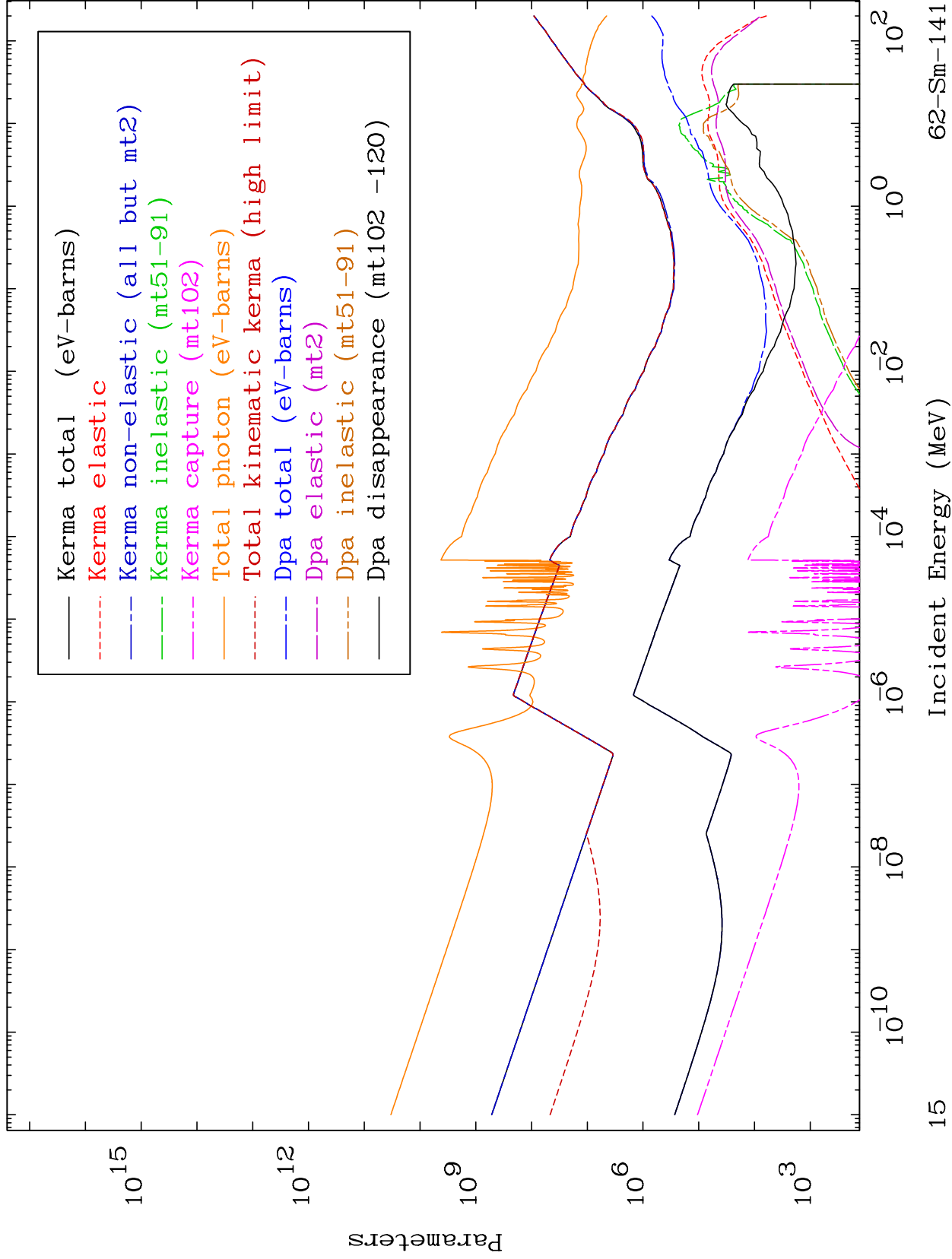
MAT 6216

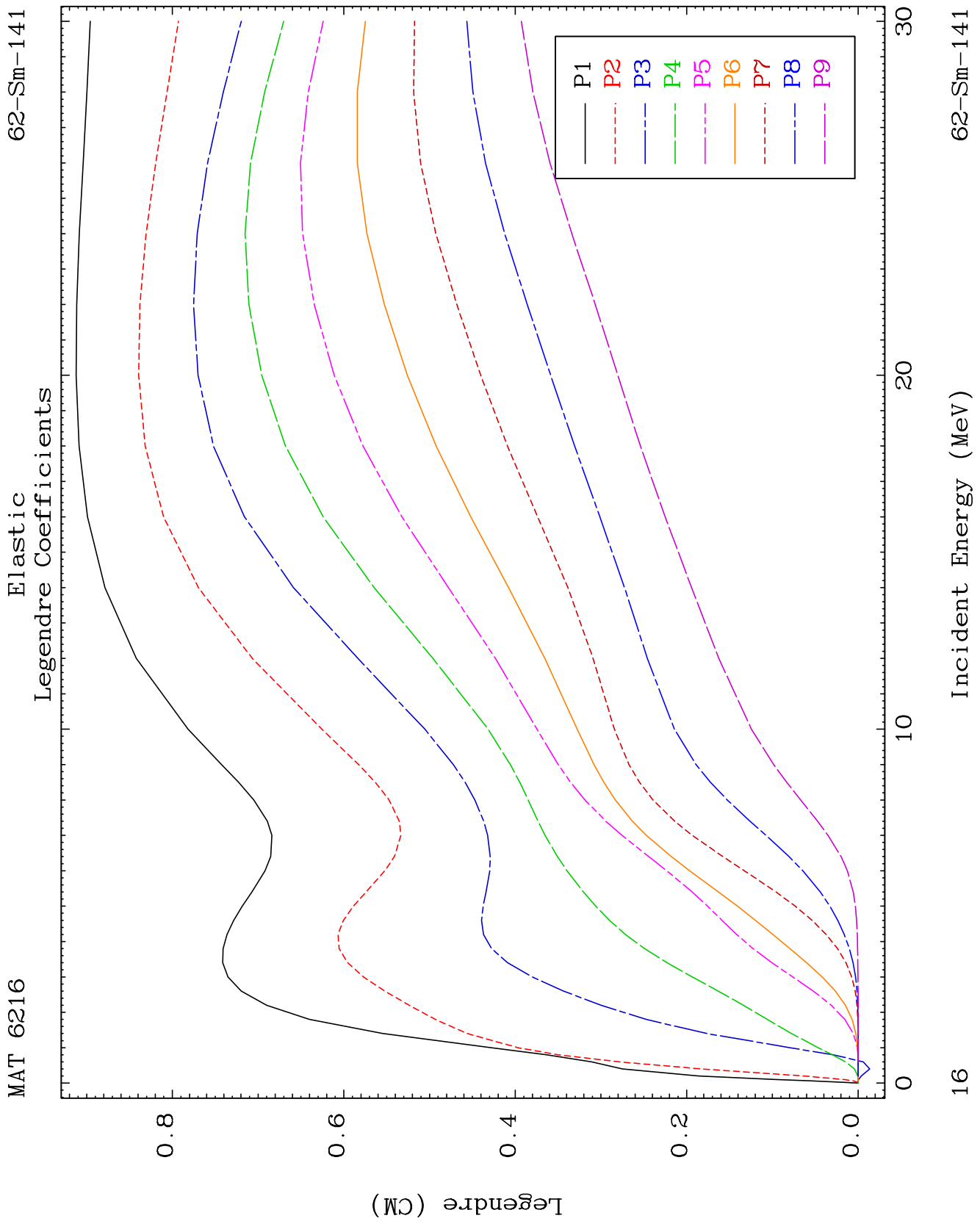
(n,α) Levels
293 Kelvin Cross Sections

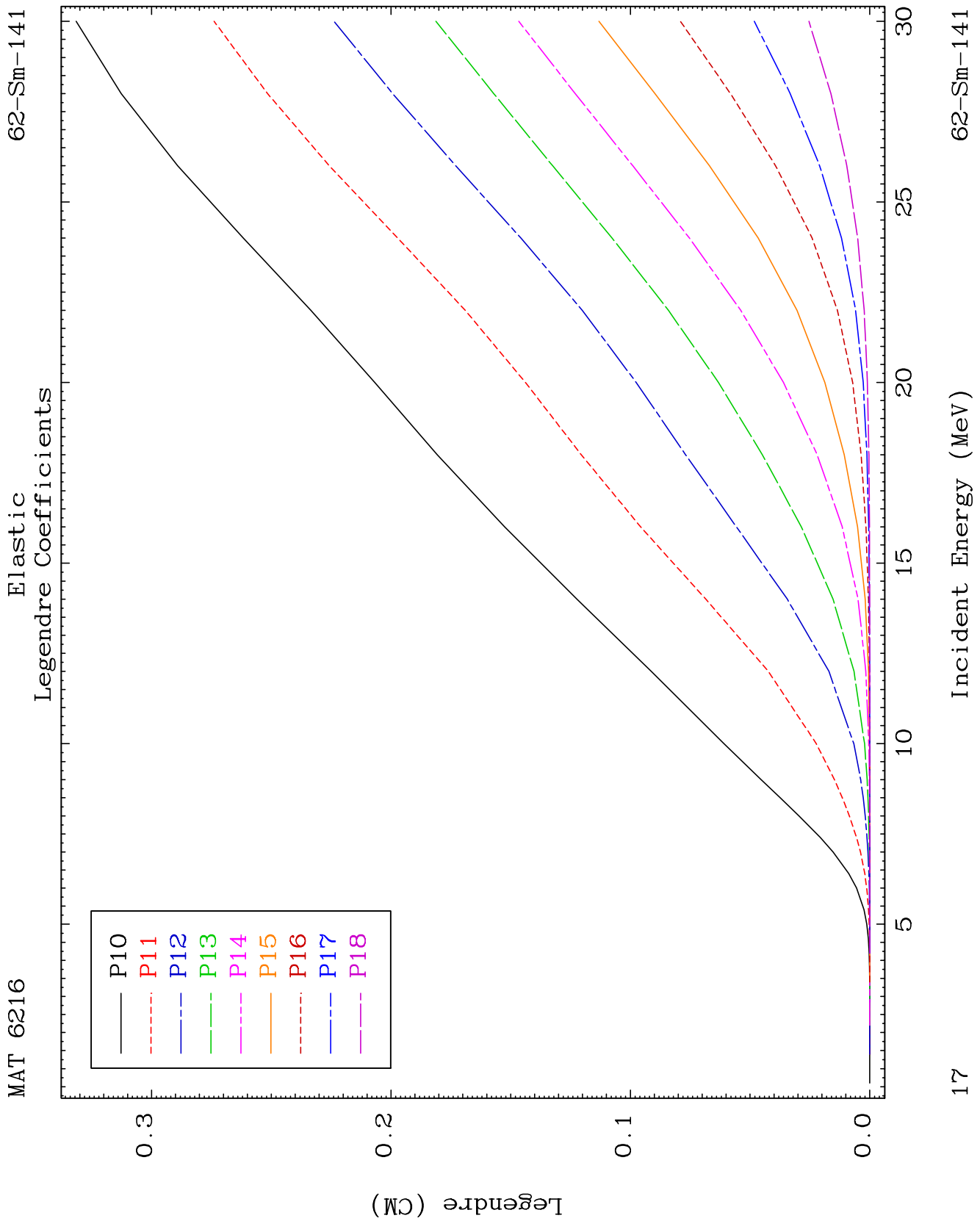
62-Sm-141



62-Sm-141



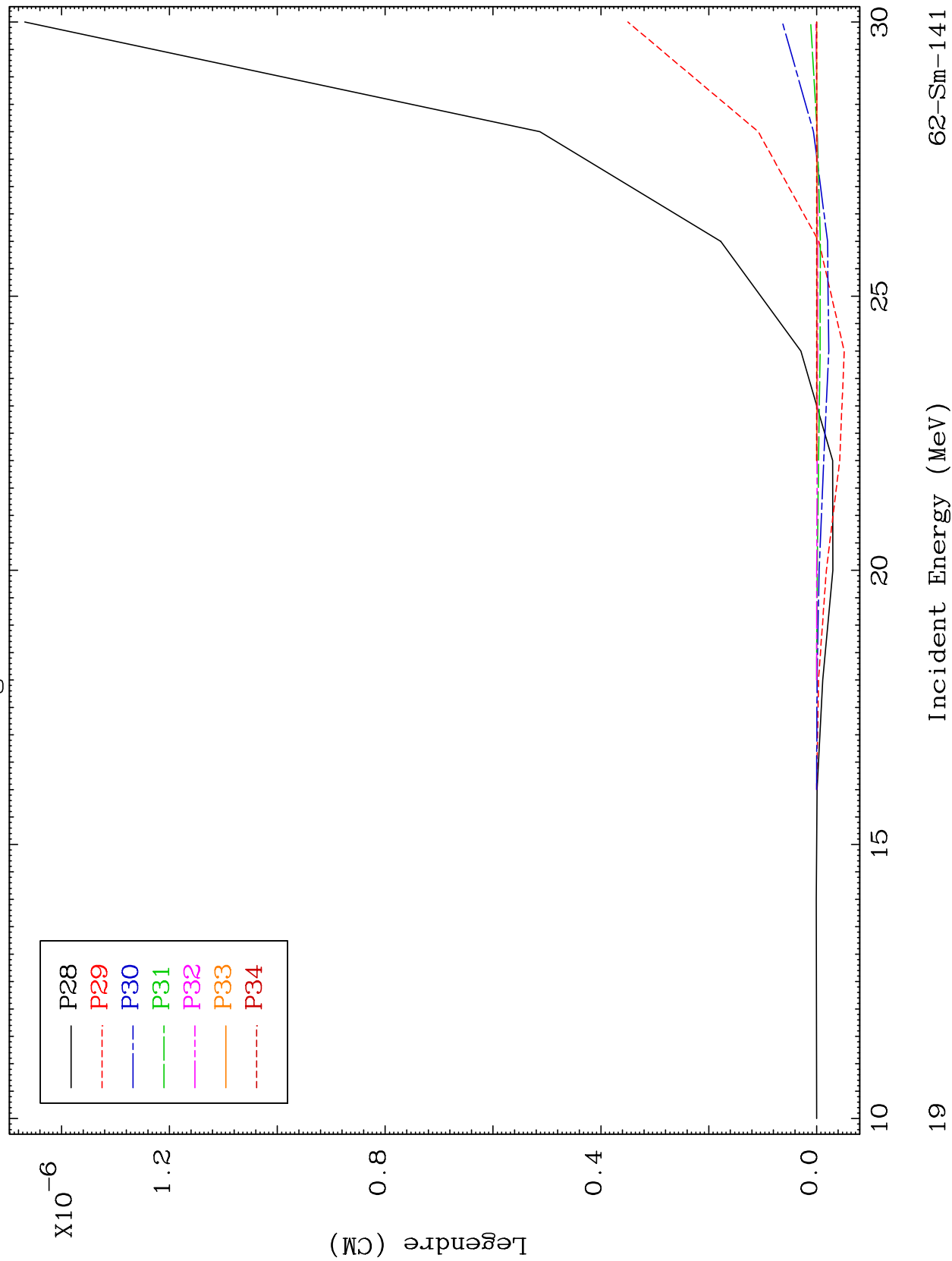




MAT 6216

Elastic Legendre Coefficients

62-Sm-141



19

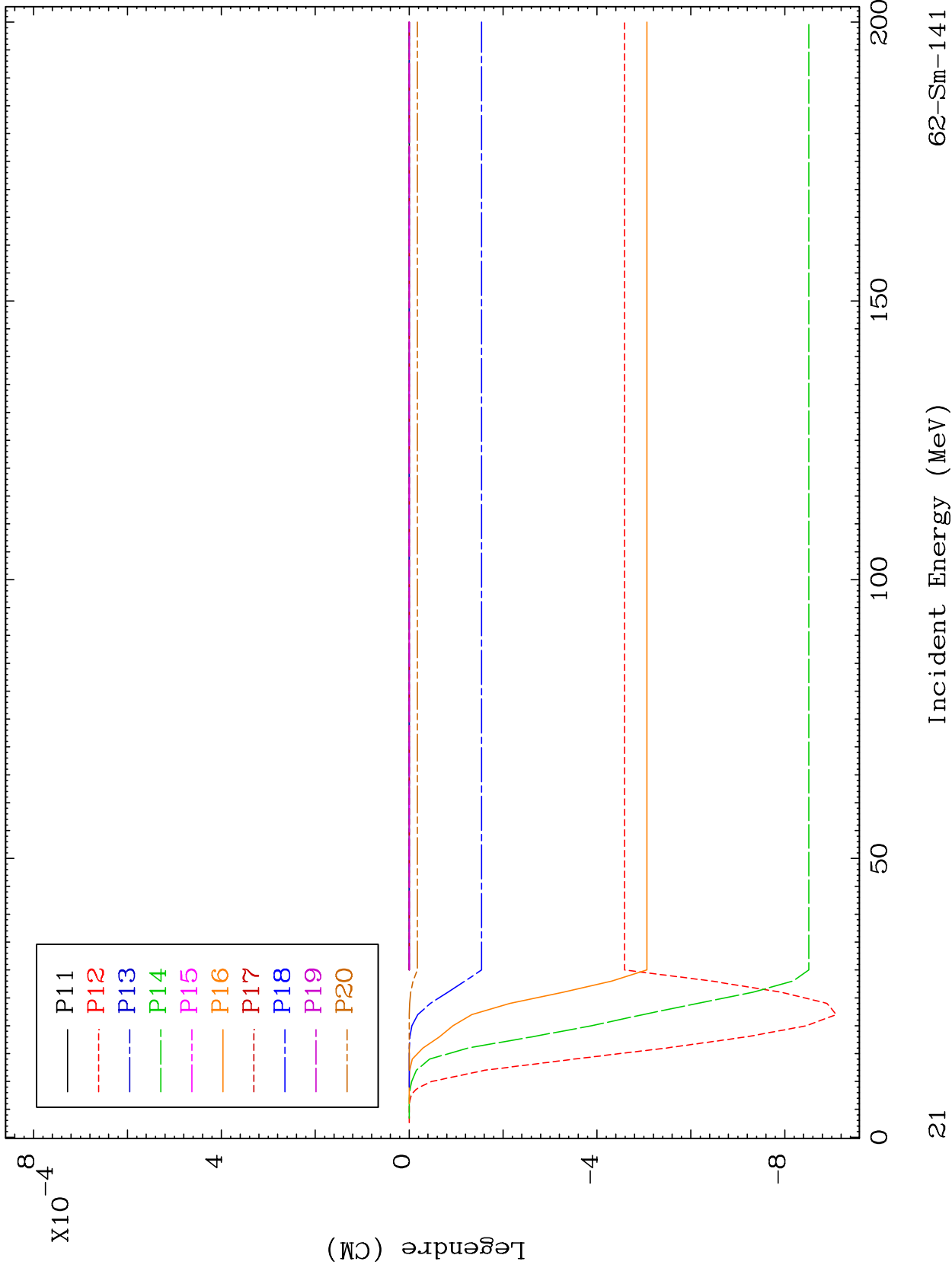
Incident Energy (MeV)

62-Sm-141

MAT 6216

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

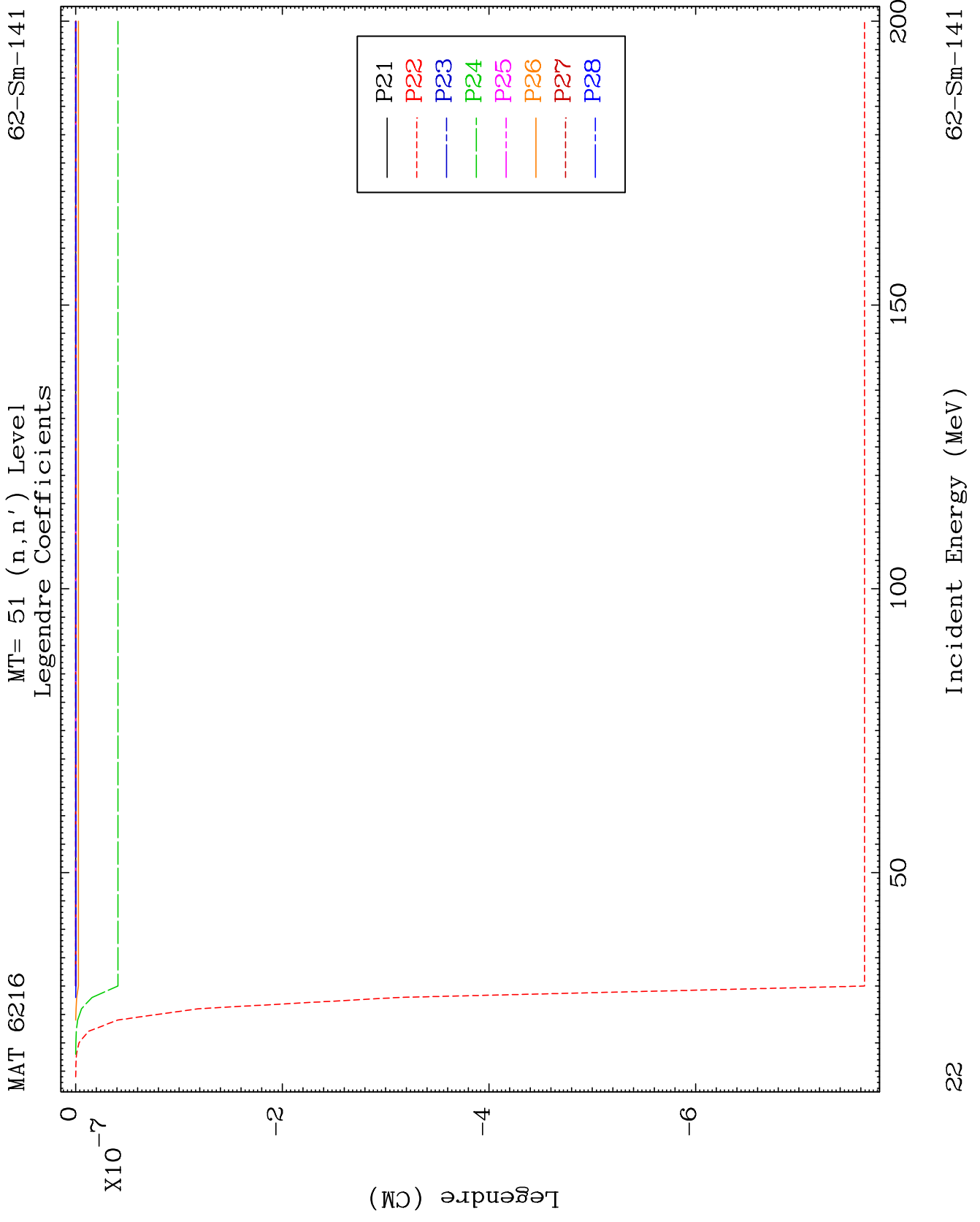
62-Sm-141



21

Incident Energy (MeV)

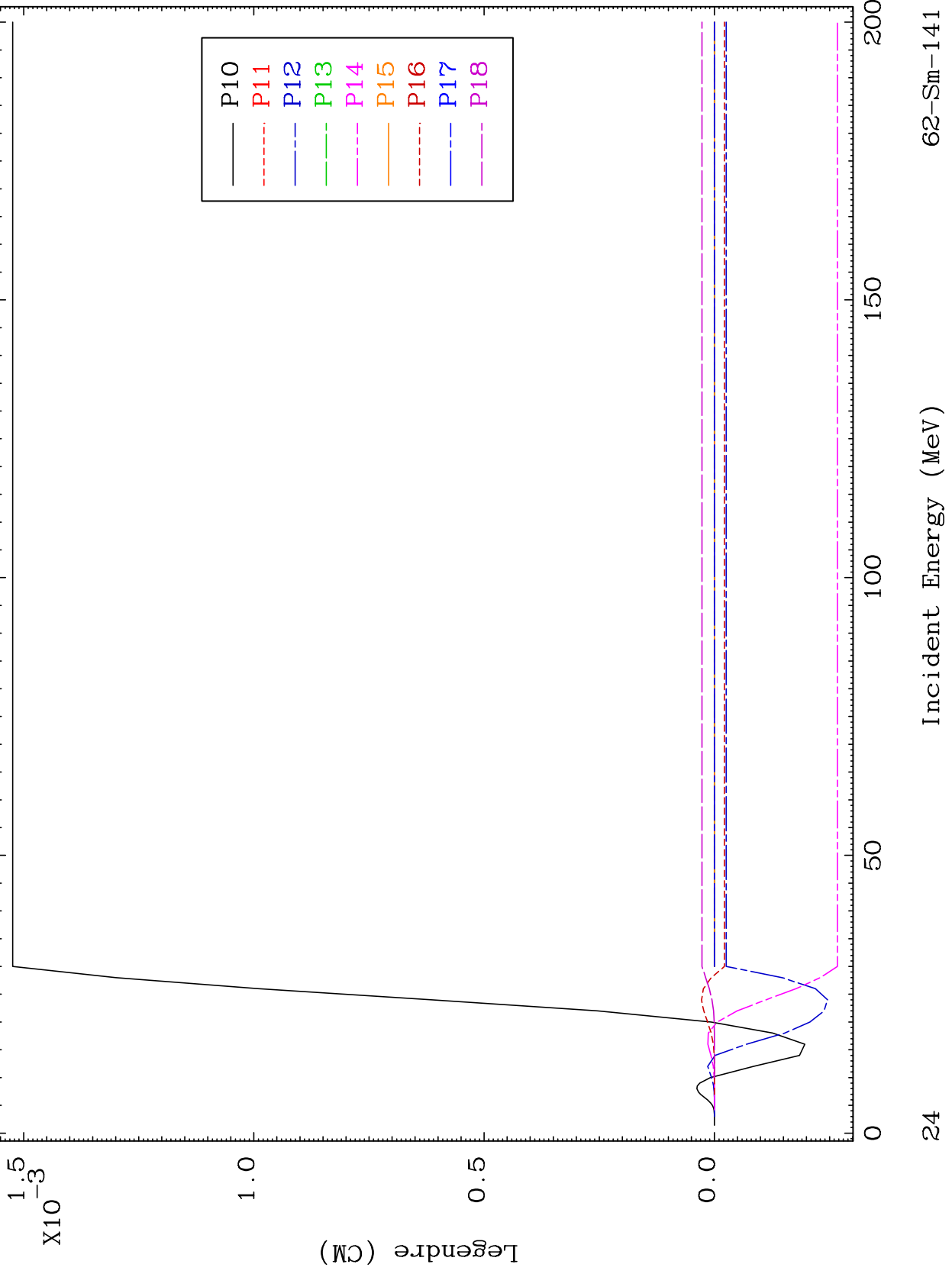
62-Sm-141

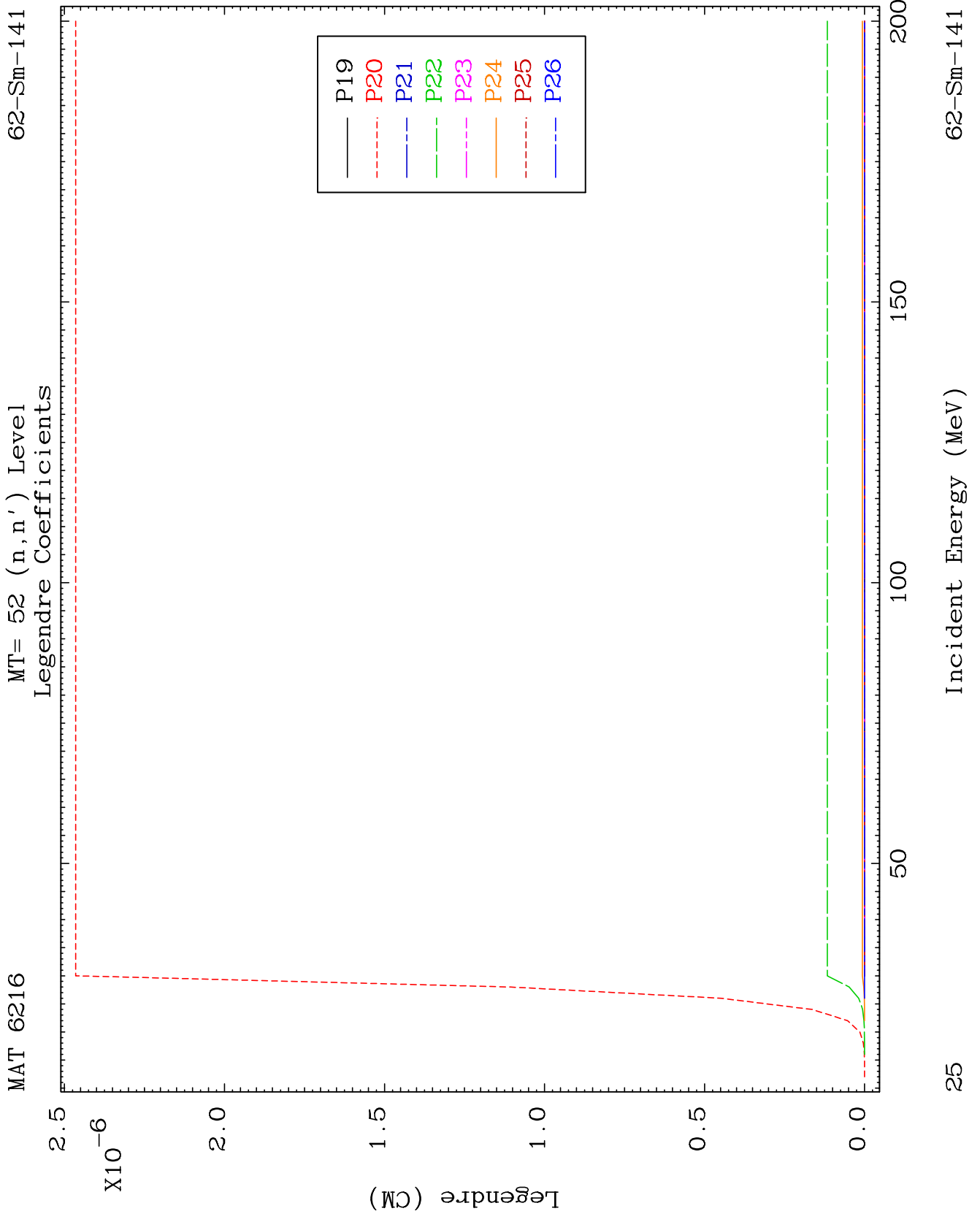


MAT 6216

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

62-Sm-141

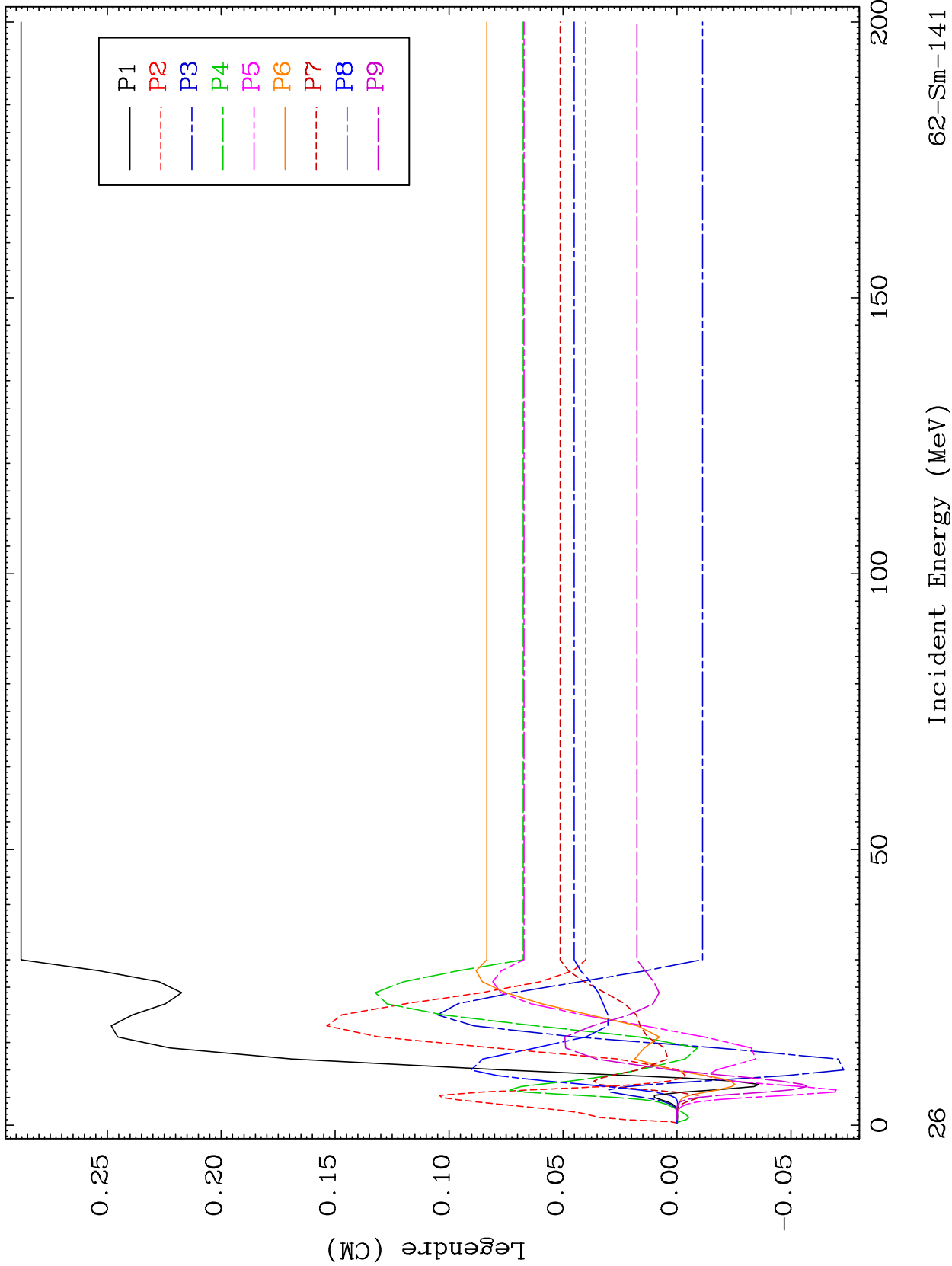




MAT 6216

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

62-Sm-141



26

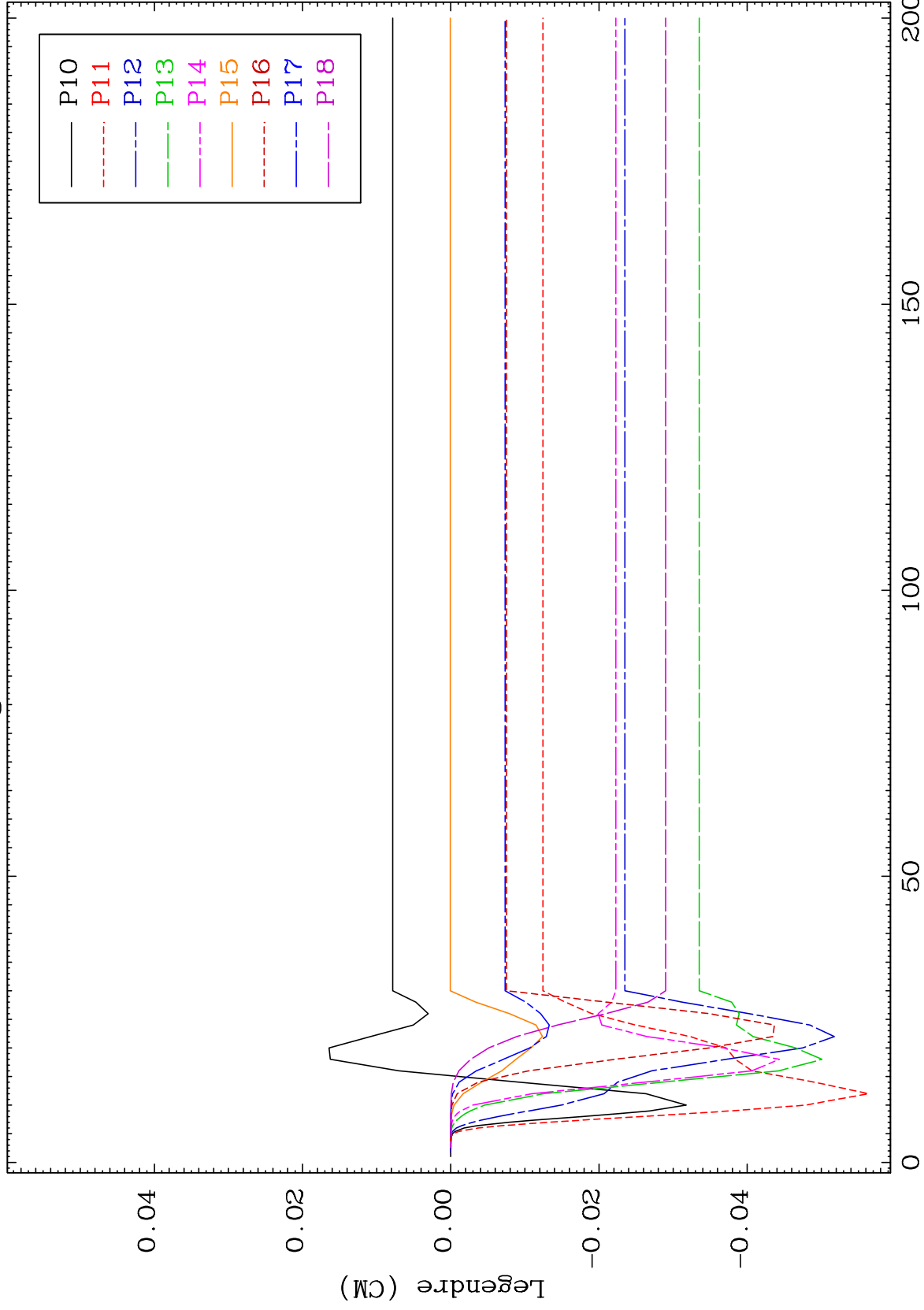
Incident Energy (MeV)

62-Sm-141

MAT 6216

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

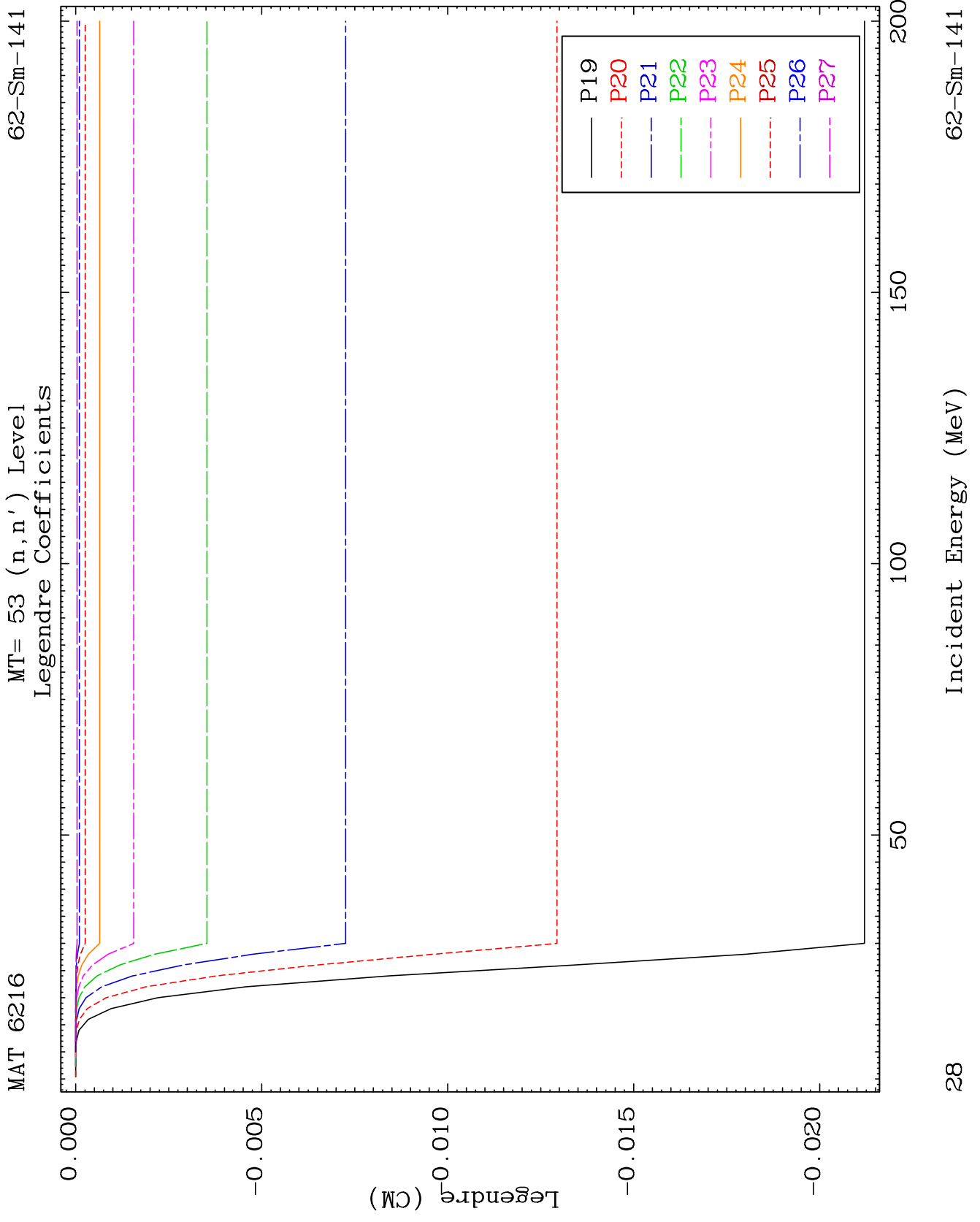
62-Sm-141

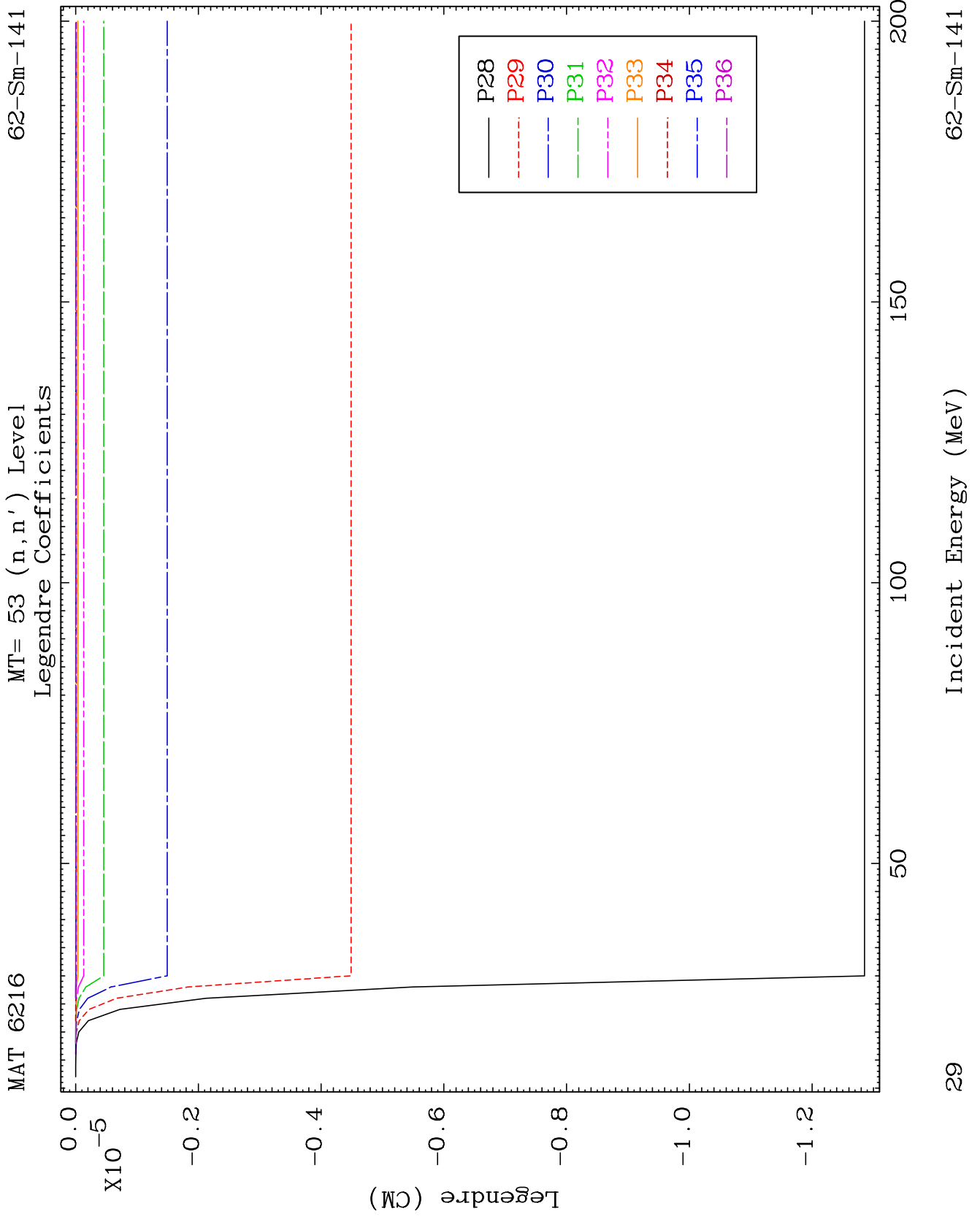


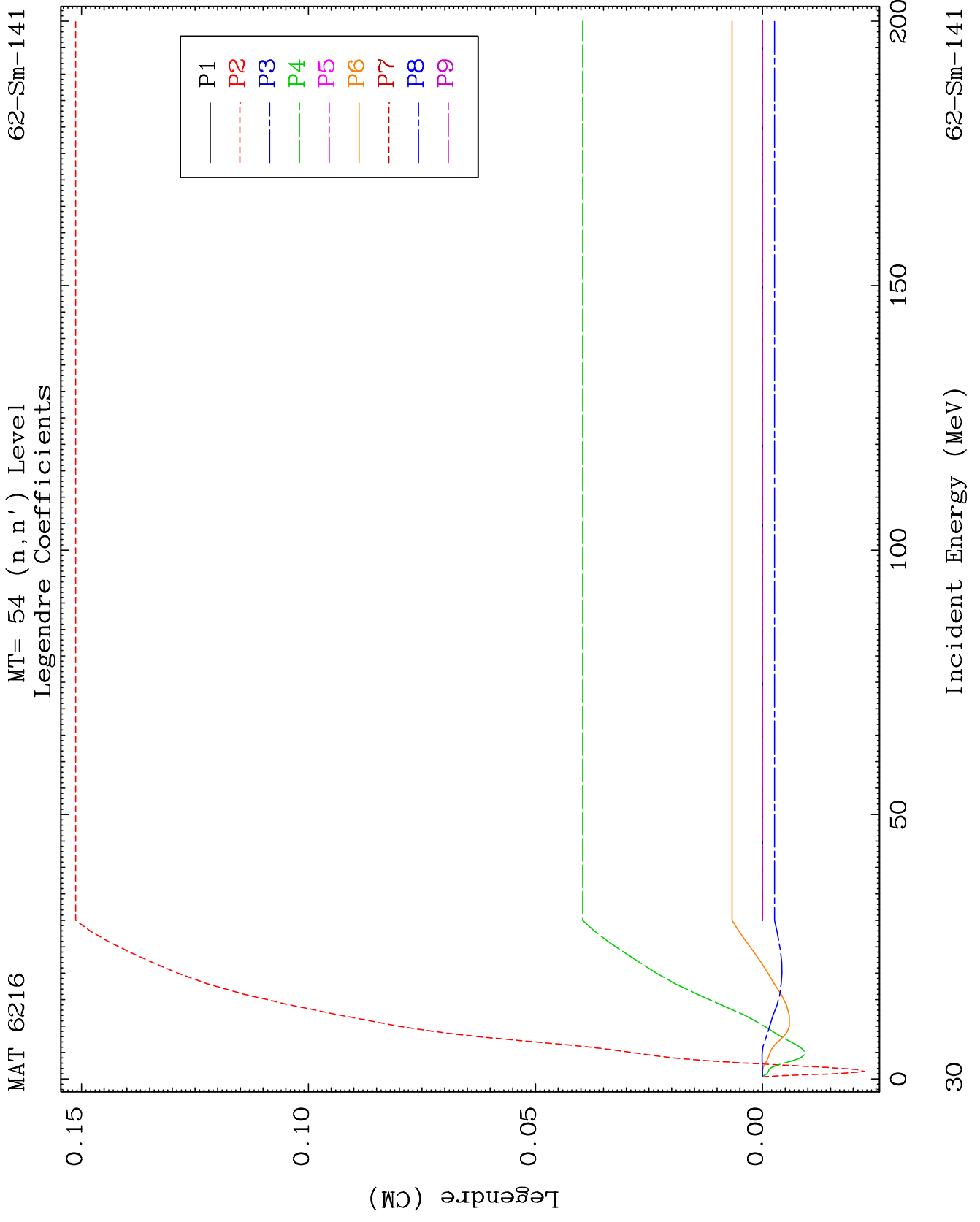
27

Incident Energy (MeV)

62-Sm-141



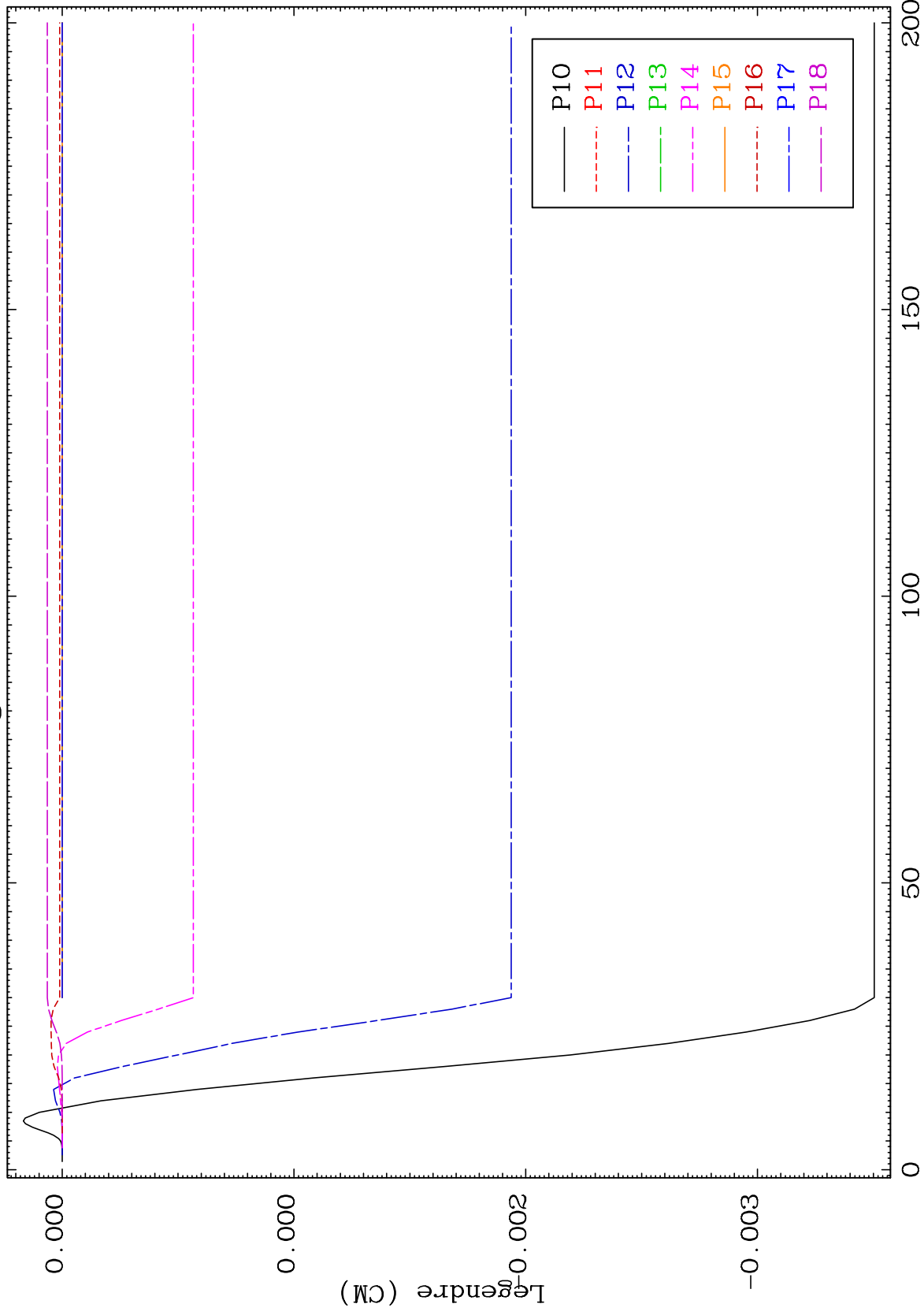




MAT 6216

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

62-Sm-141



31

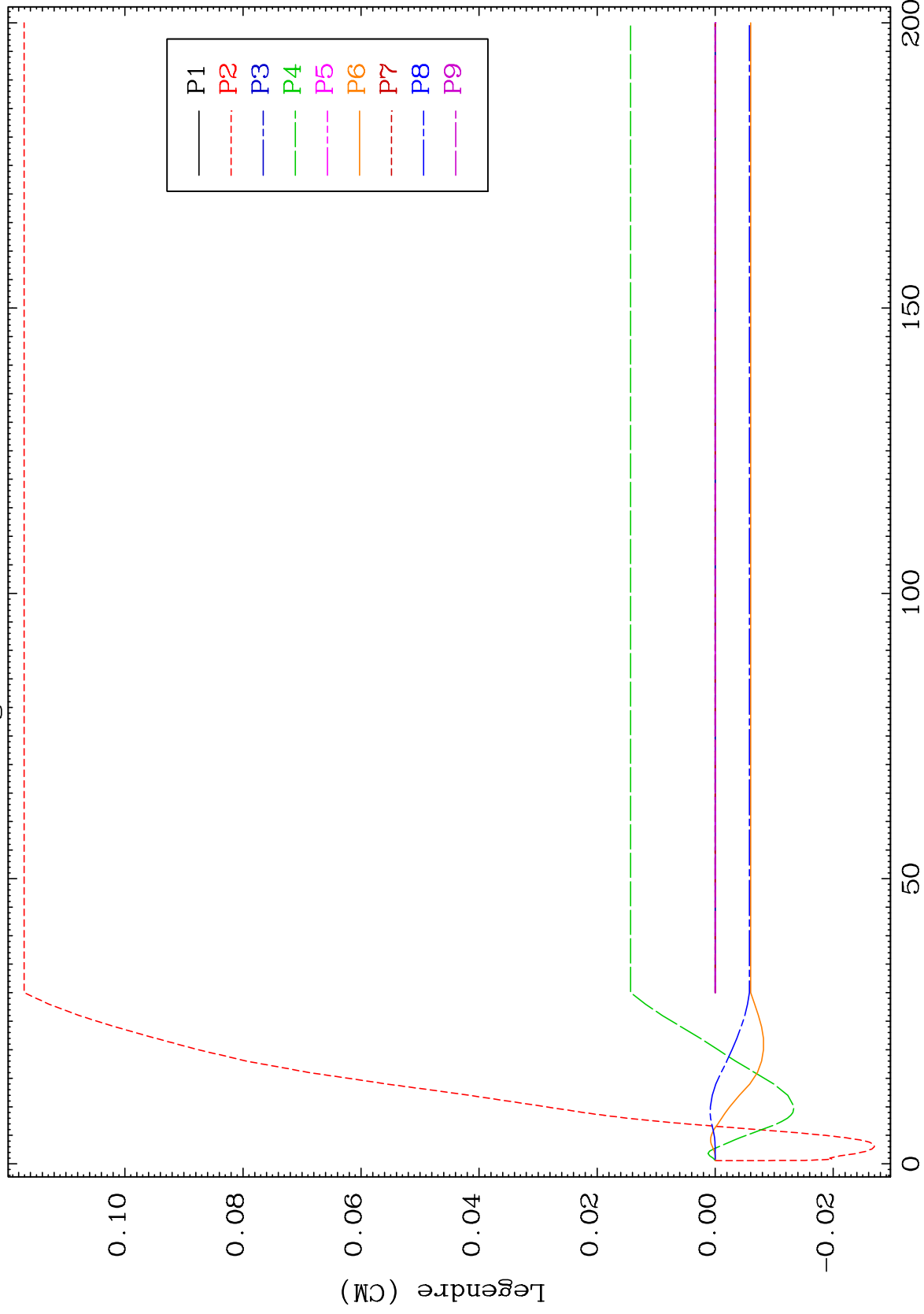
Incident Energy (MeV)

62-Sm-141

MAT 6216

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

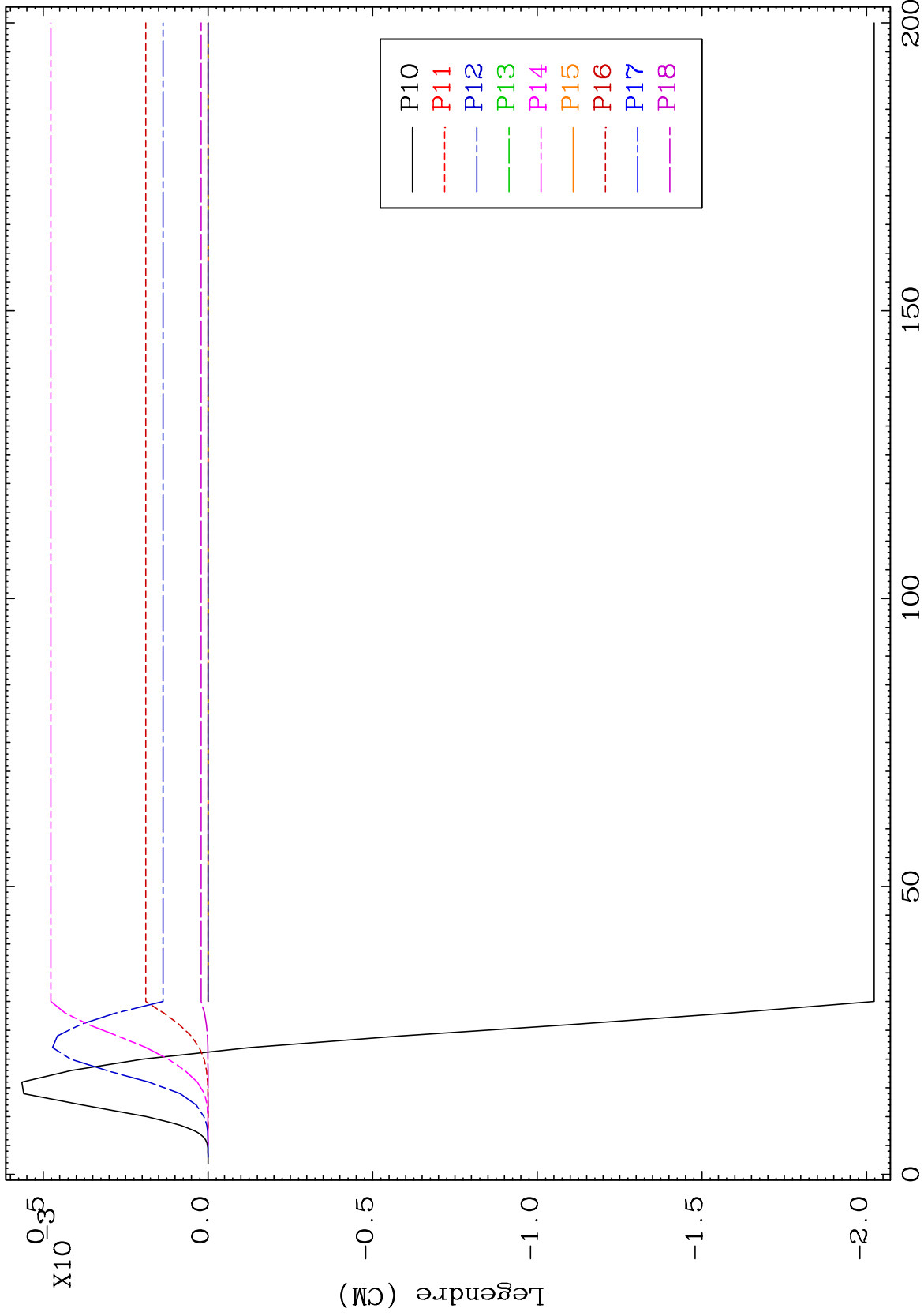
62-Sm-141

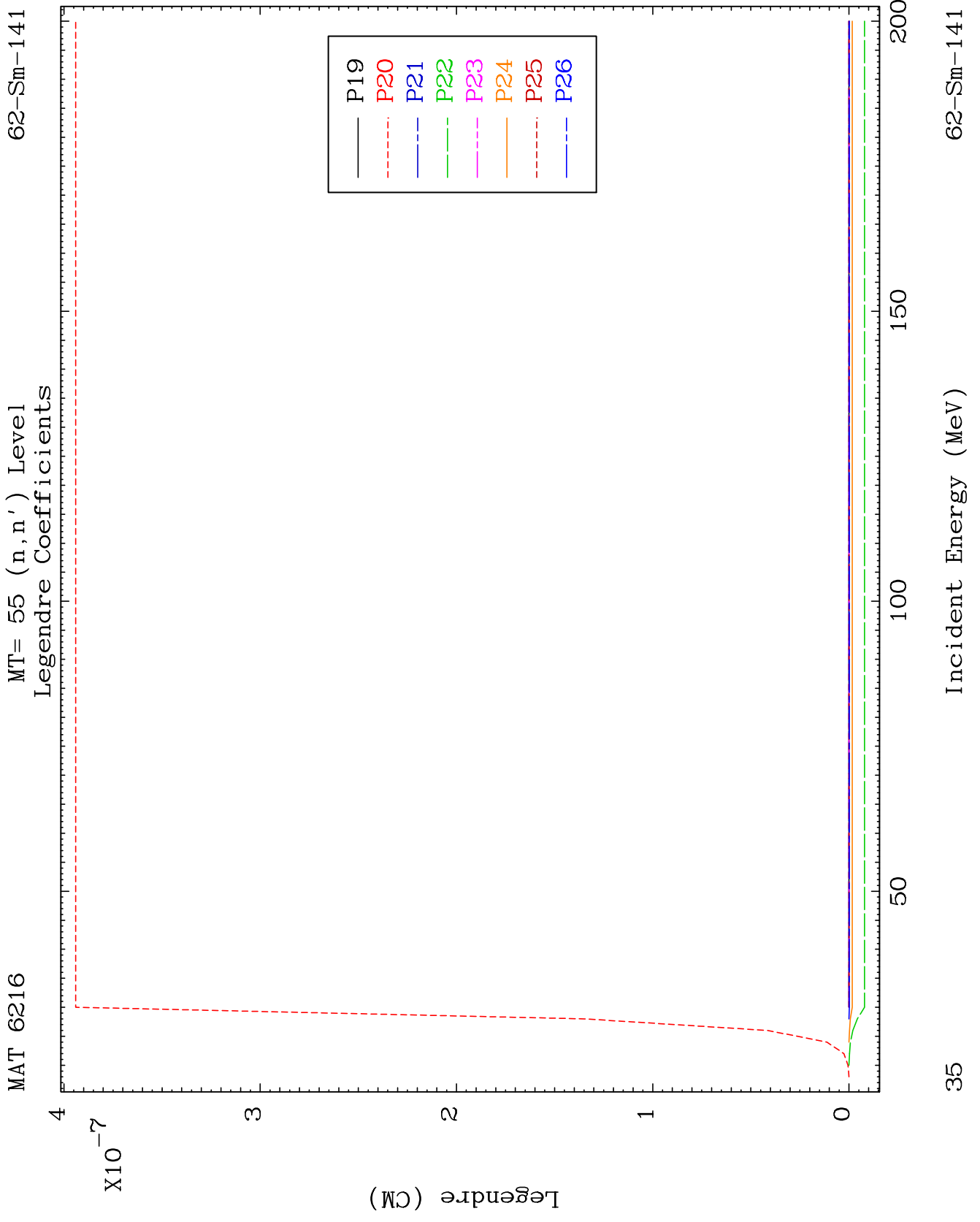


33

Incident Energy (MeV)

62-Sm-141

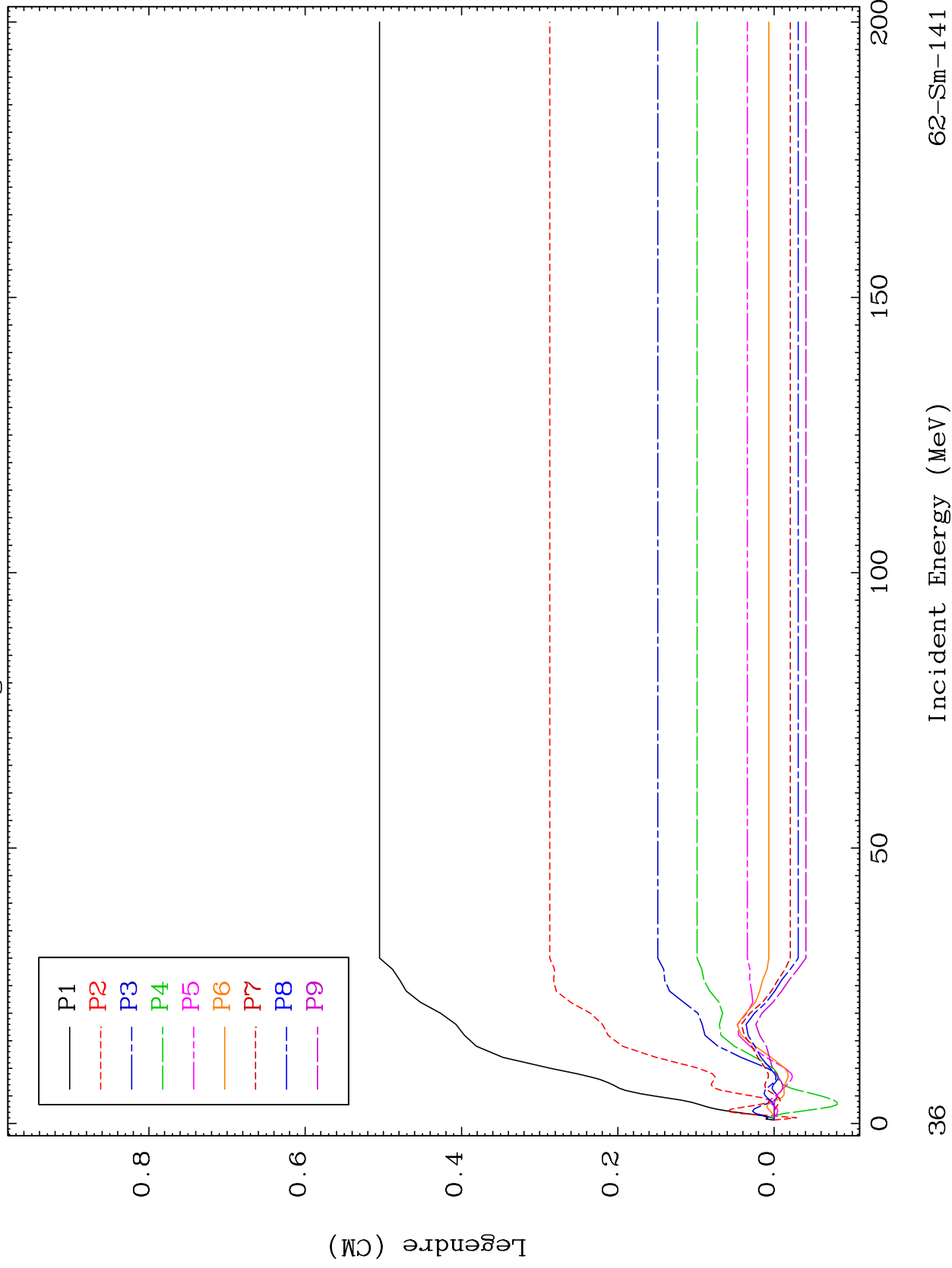




MAT 6216

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

62-Sm-141



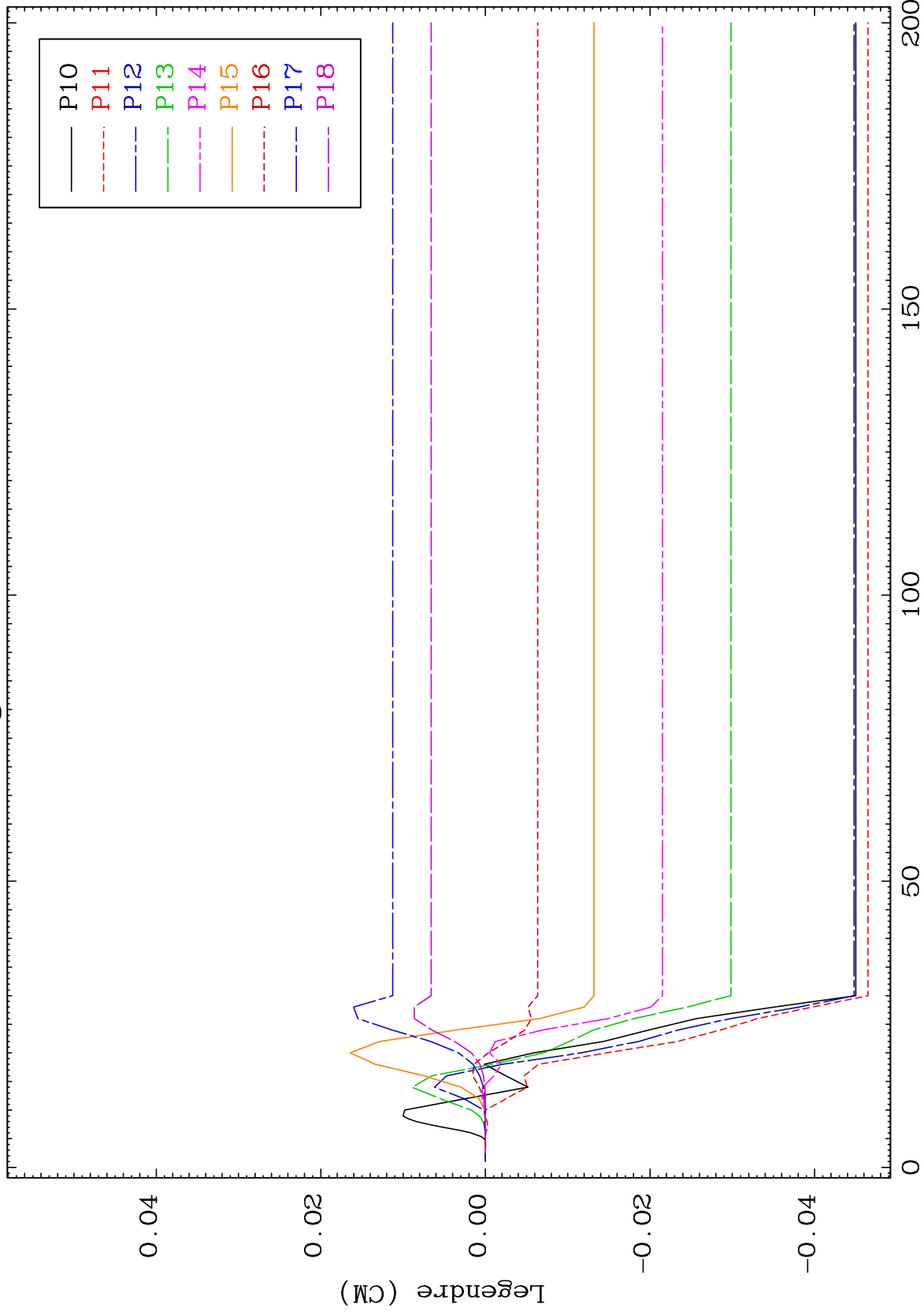
36

62-Sm-141

MAT 6216

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

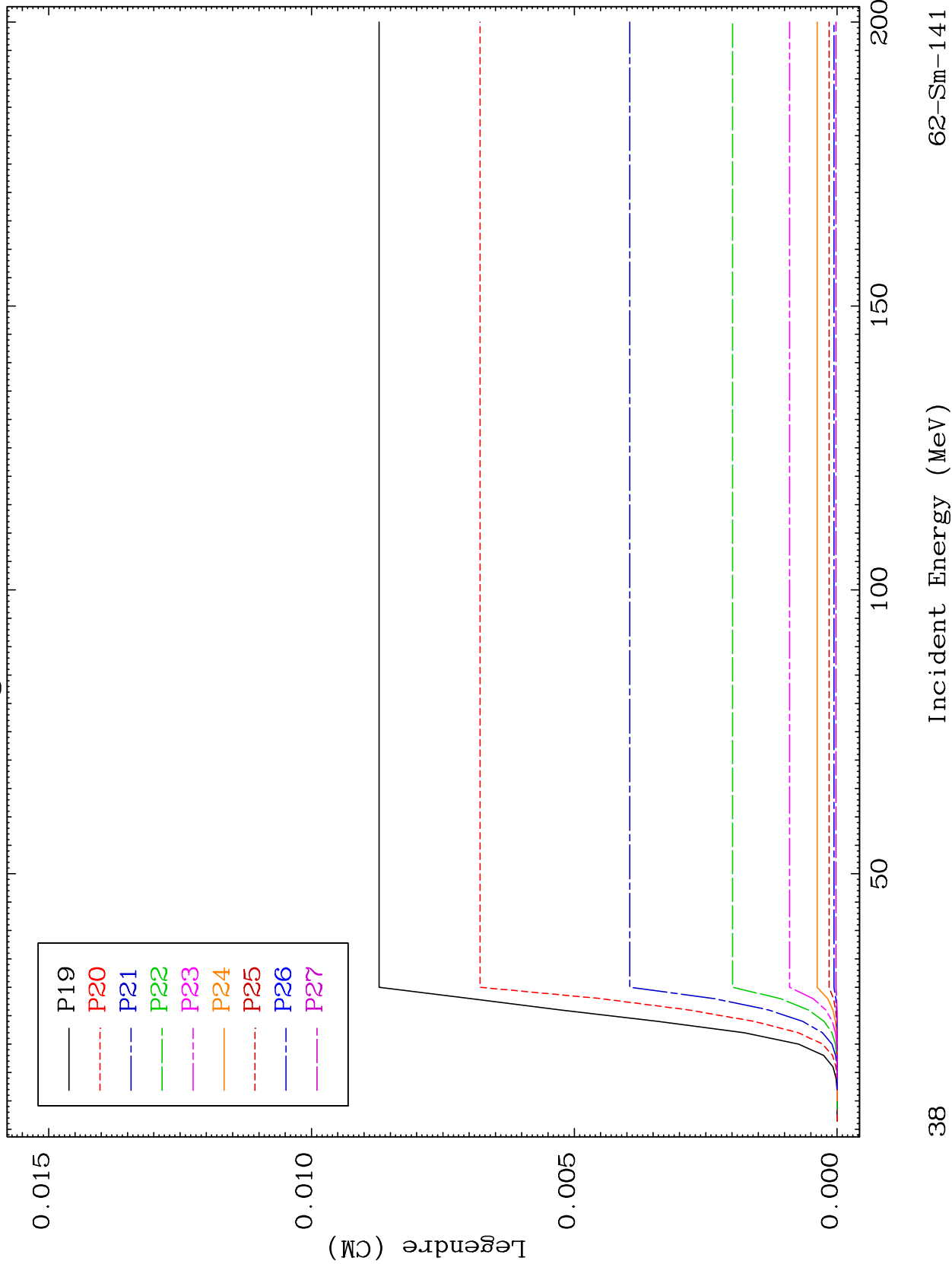
62-Sm-141

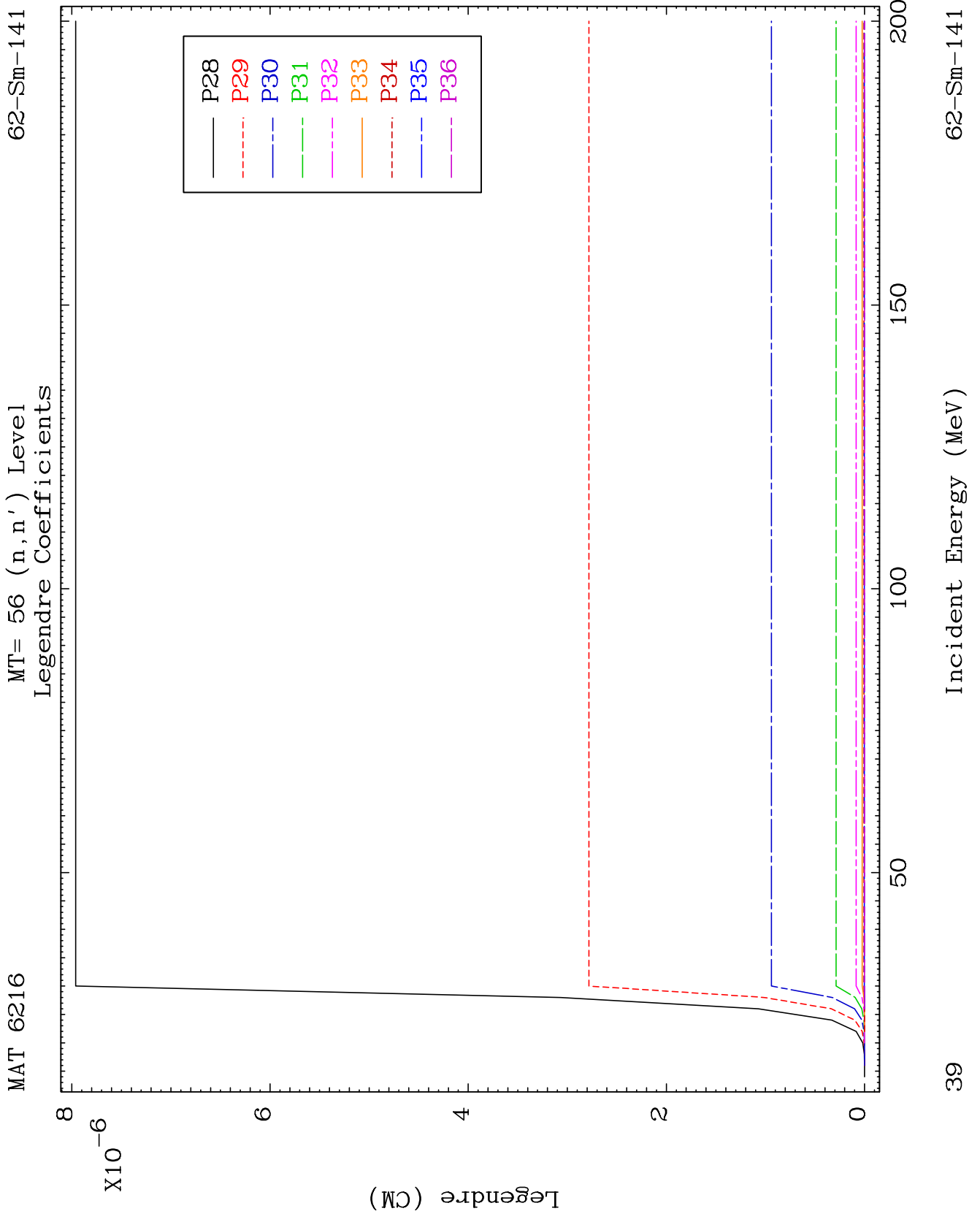


37

Incident Energy (MeV)

62-Sm-141

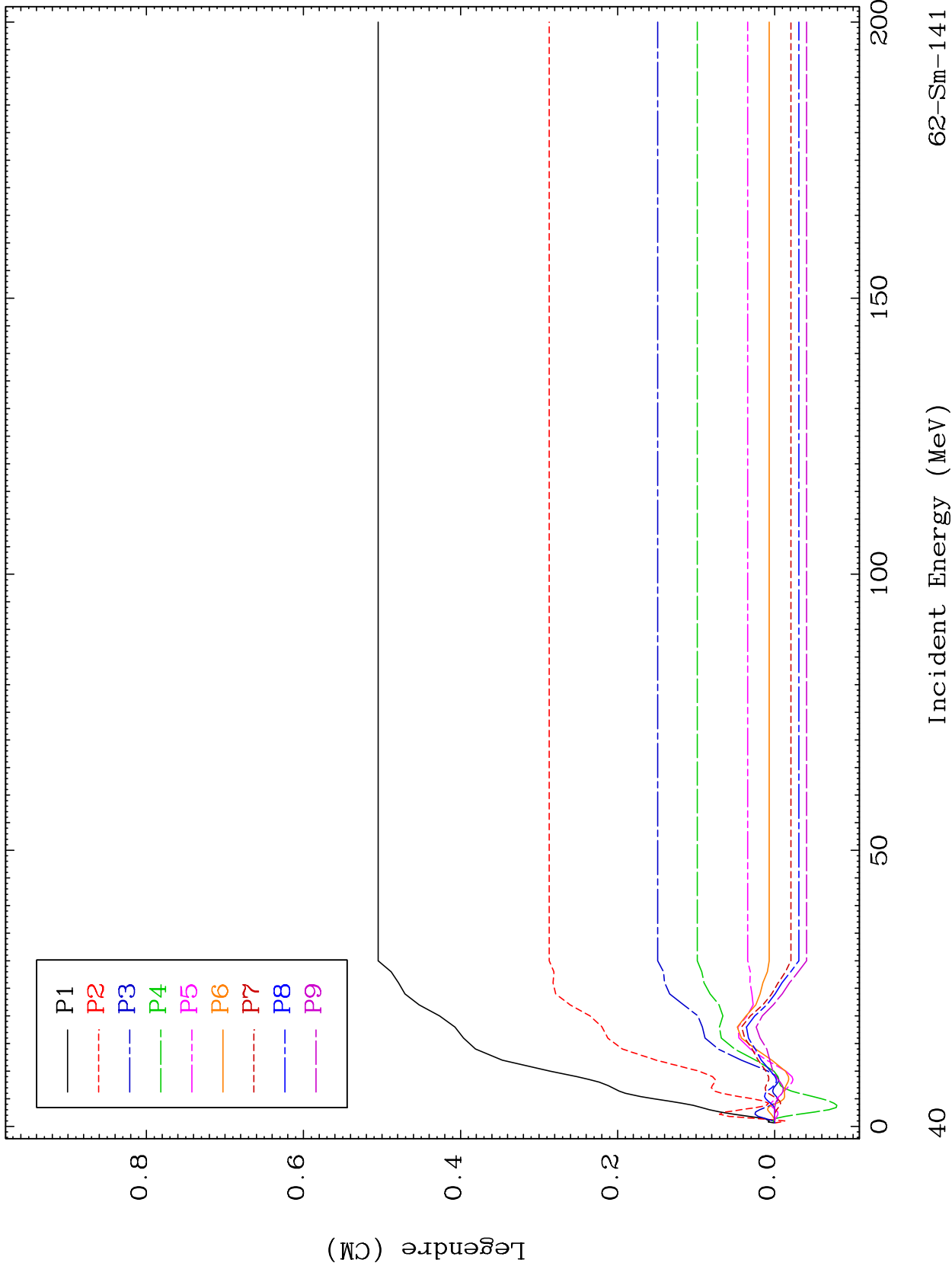




MAT 6216

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

62-Sm-141



62-Sm-141

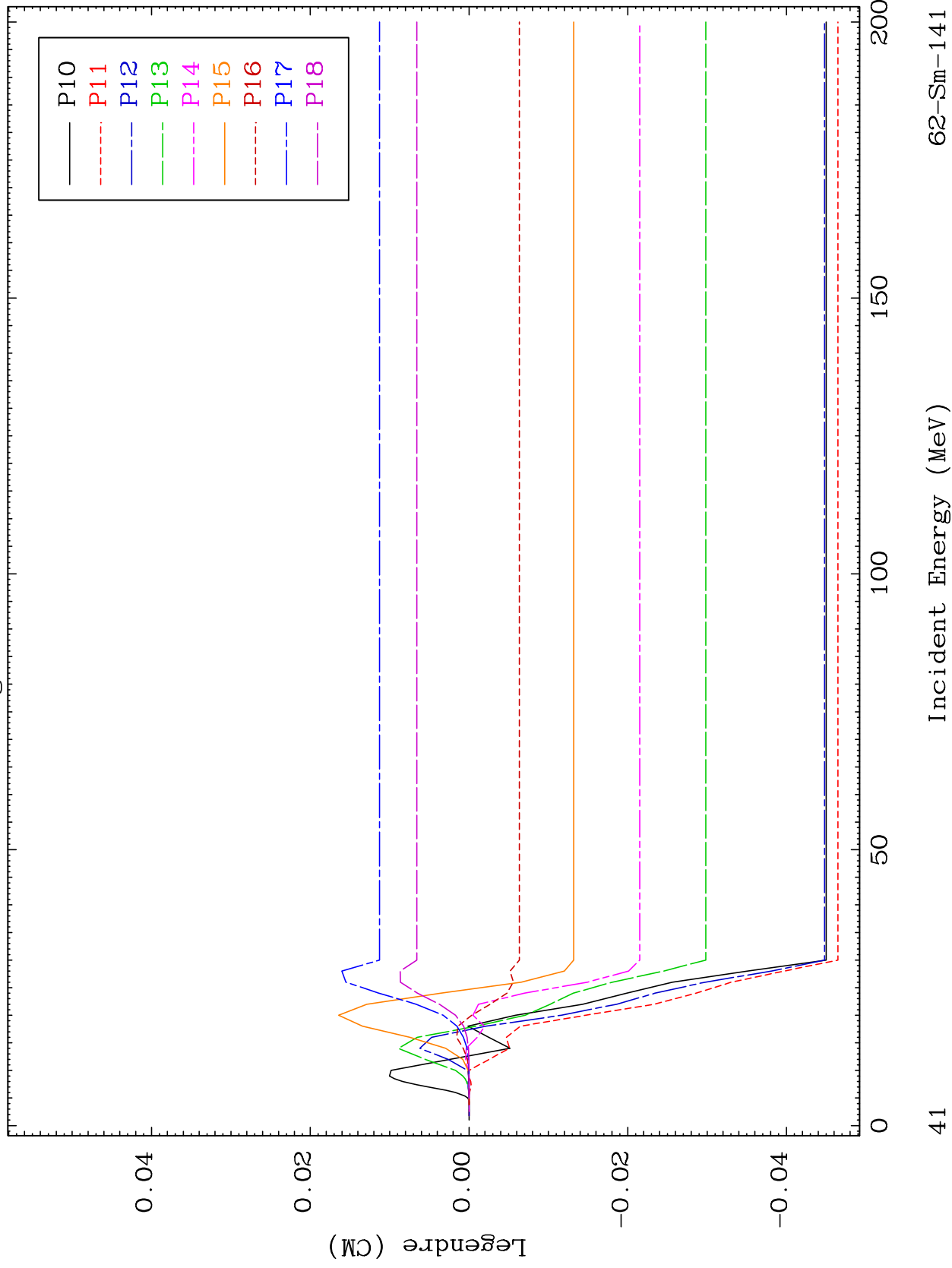
Incident Energy (MeV)

40

MAT 6216

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

62-Sm-141



41

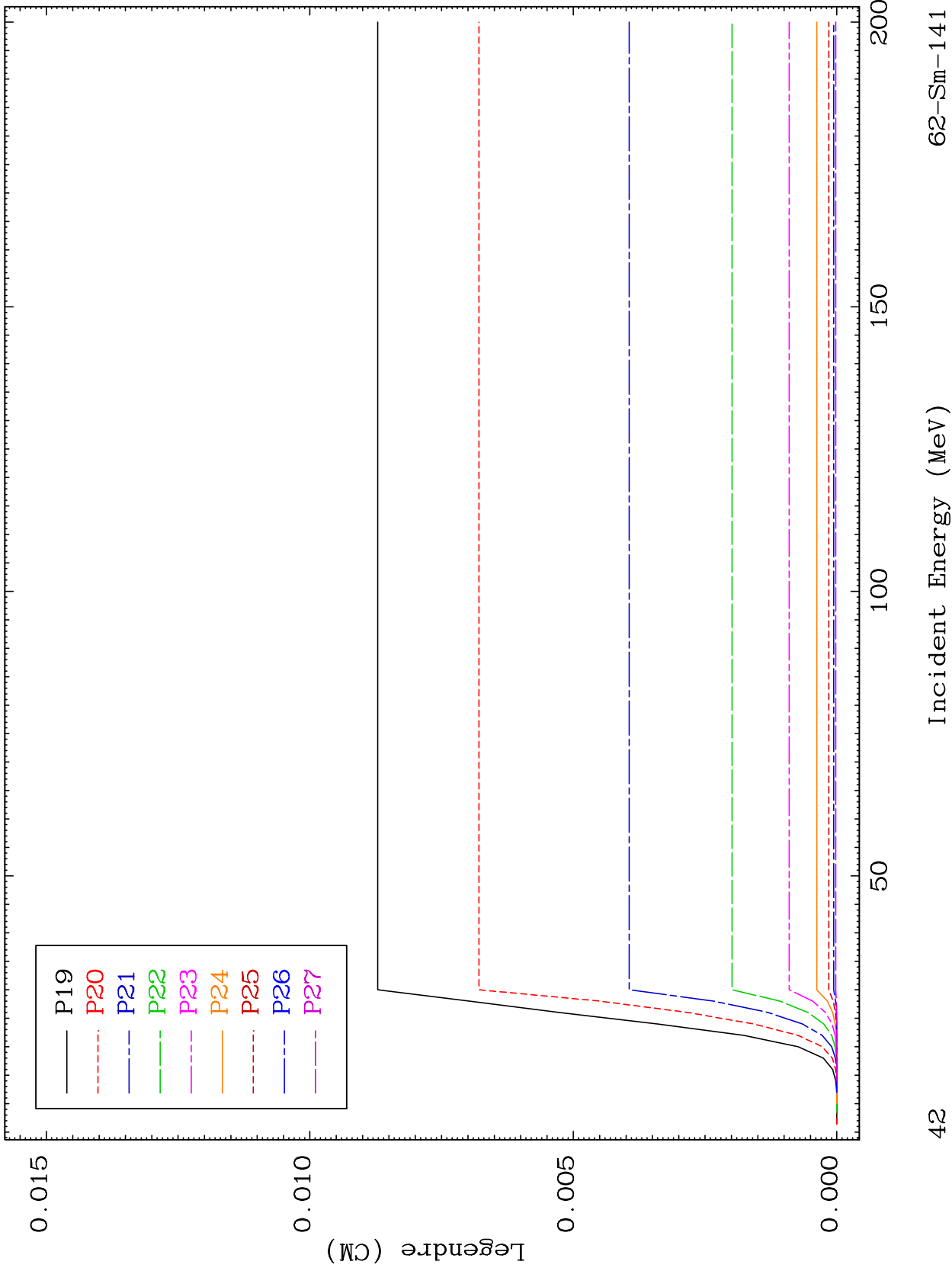
Incident Energy (MeV)

62-Sm-141

MAT 6216

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

62-Sm-141



42

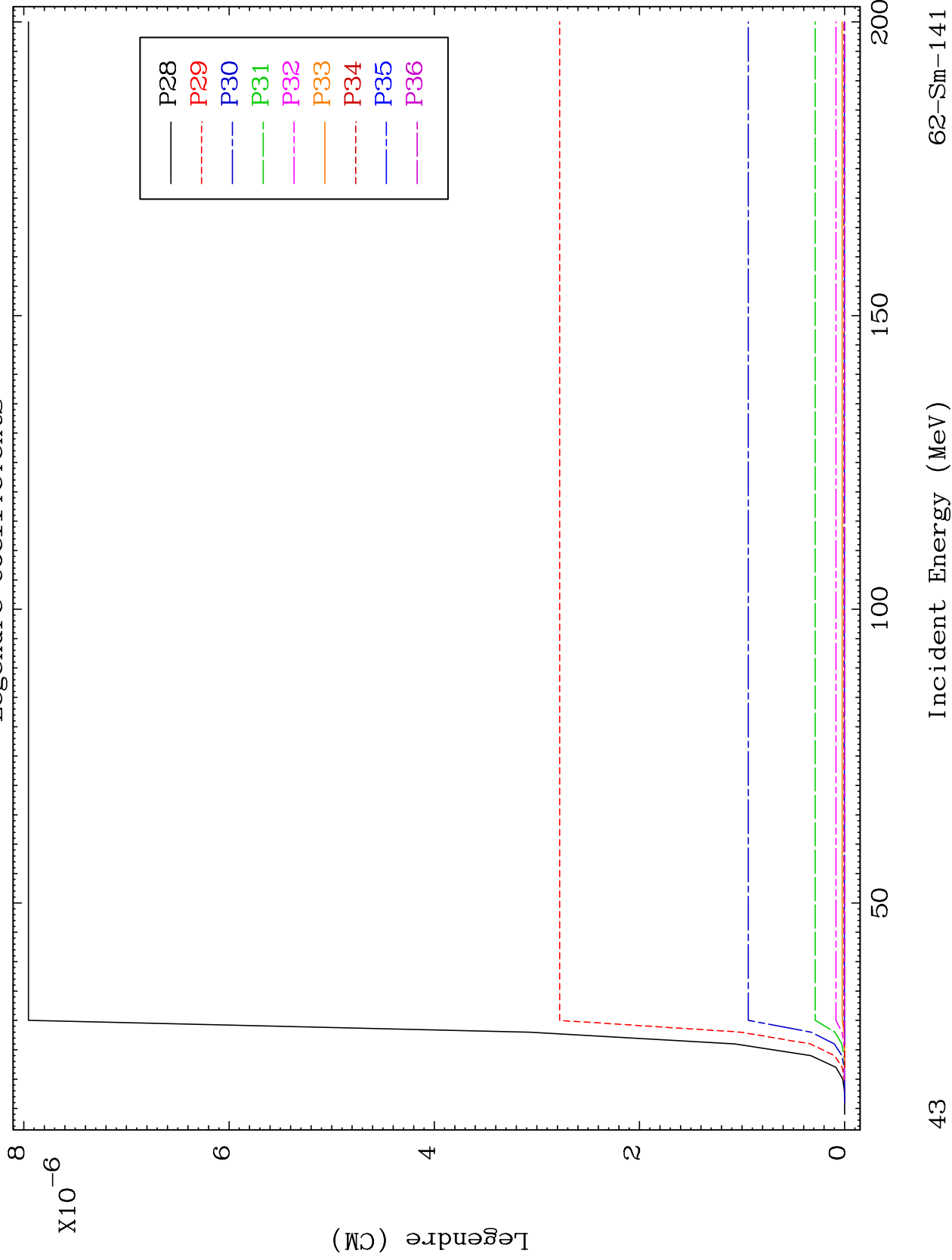
Incident Energy (MeV)

62-Sm-141

MAT 6216

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

62-Sm-141



43

62-Sm-141

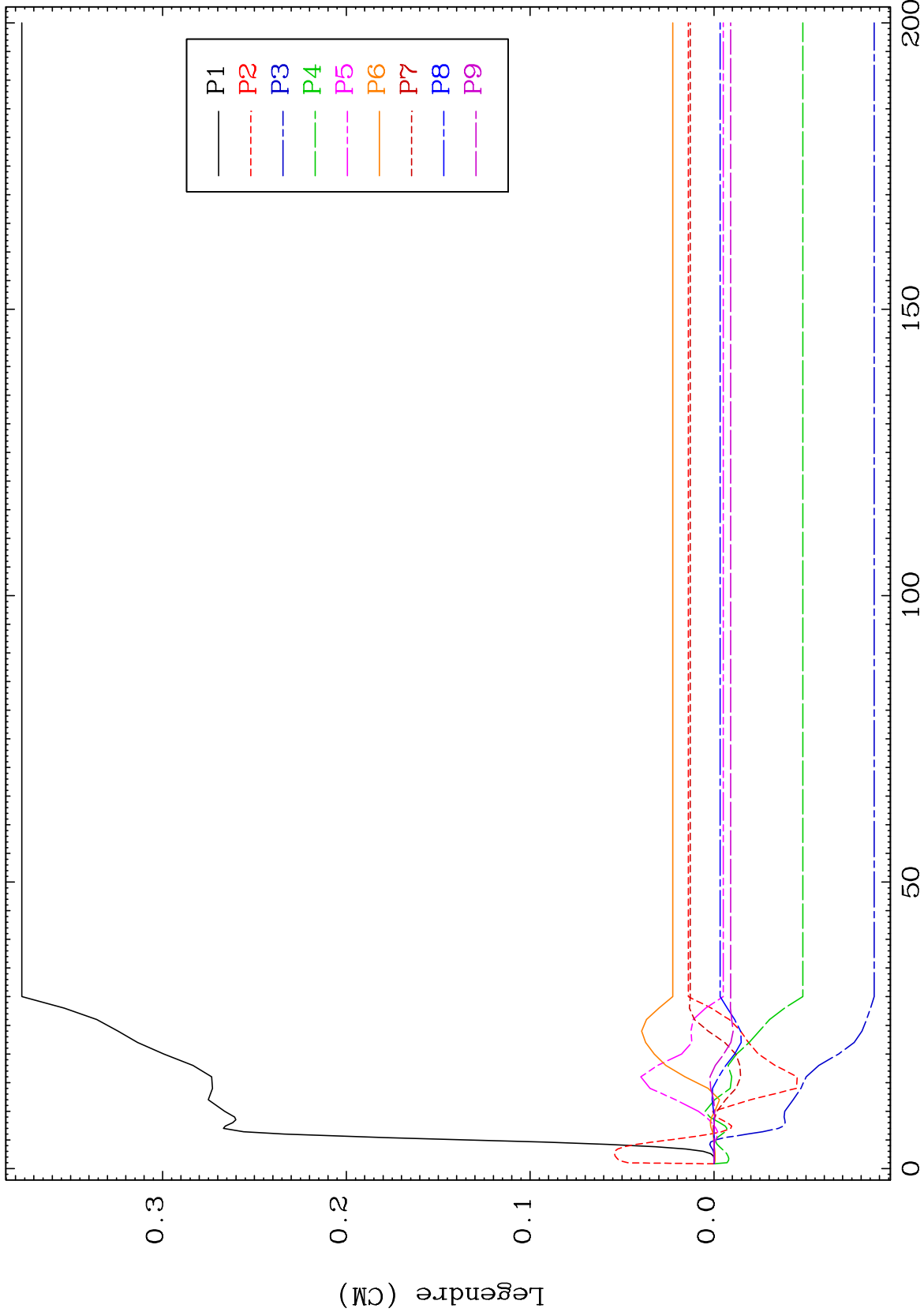
Incident Energy (MeV)

43

MAT 6216

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

62-Sm-141



44

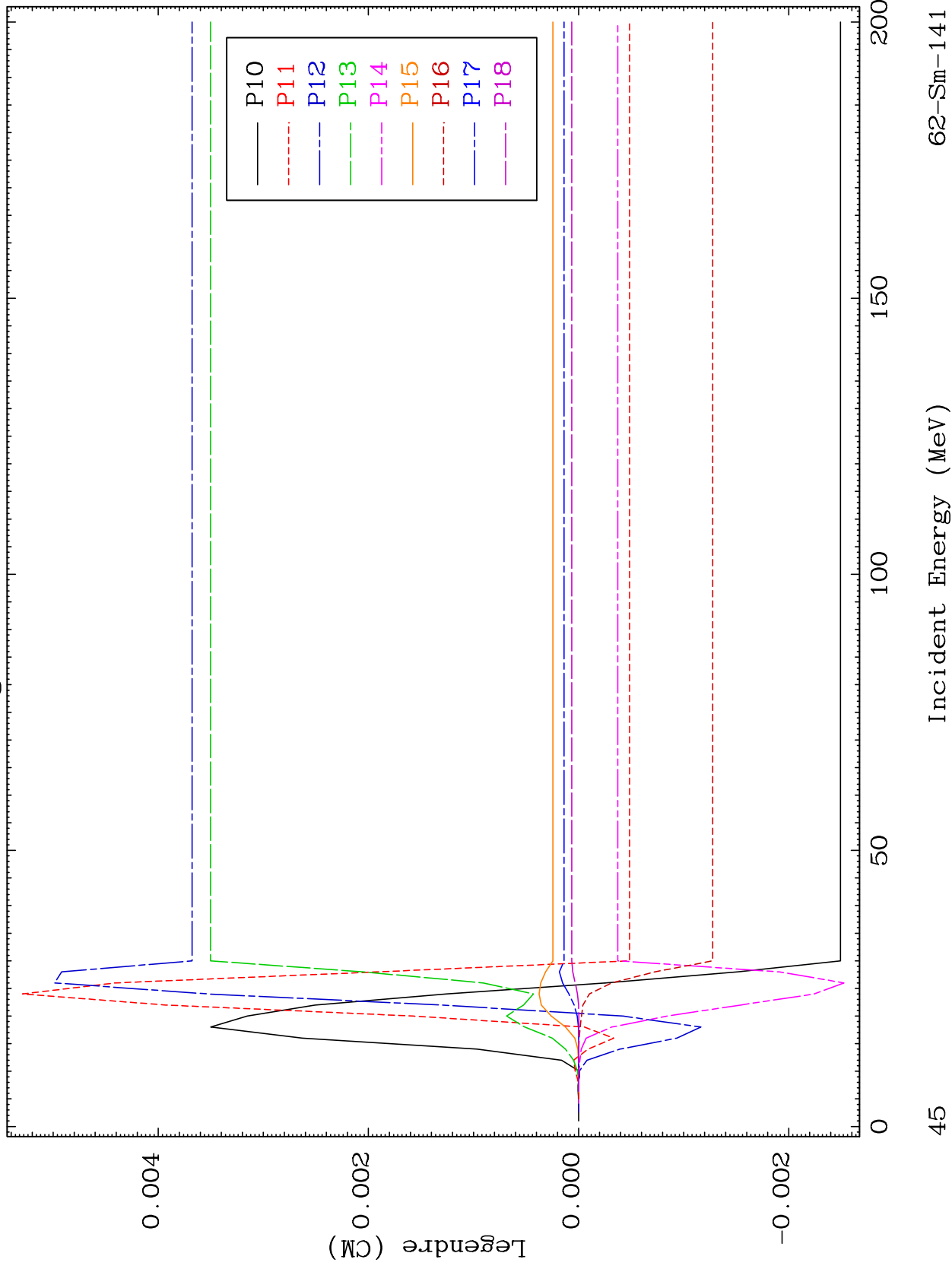
Incident Energy (MeV)

62-Sm-141

MAT 6216

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

62-Sm-141



62-Sm-141

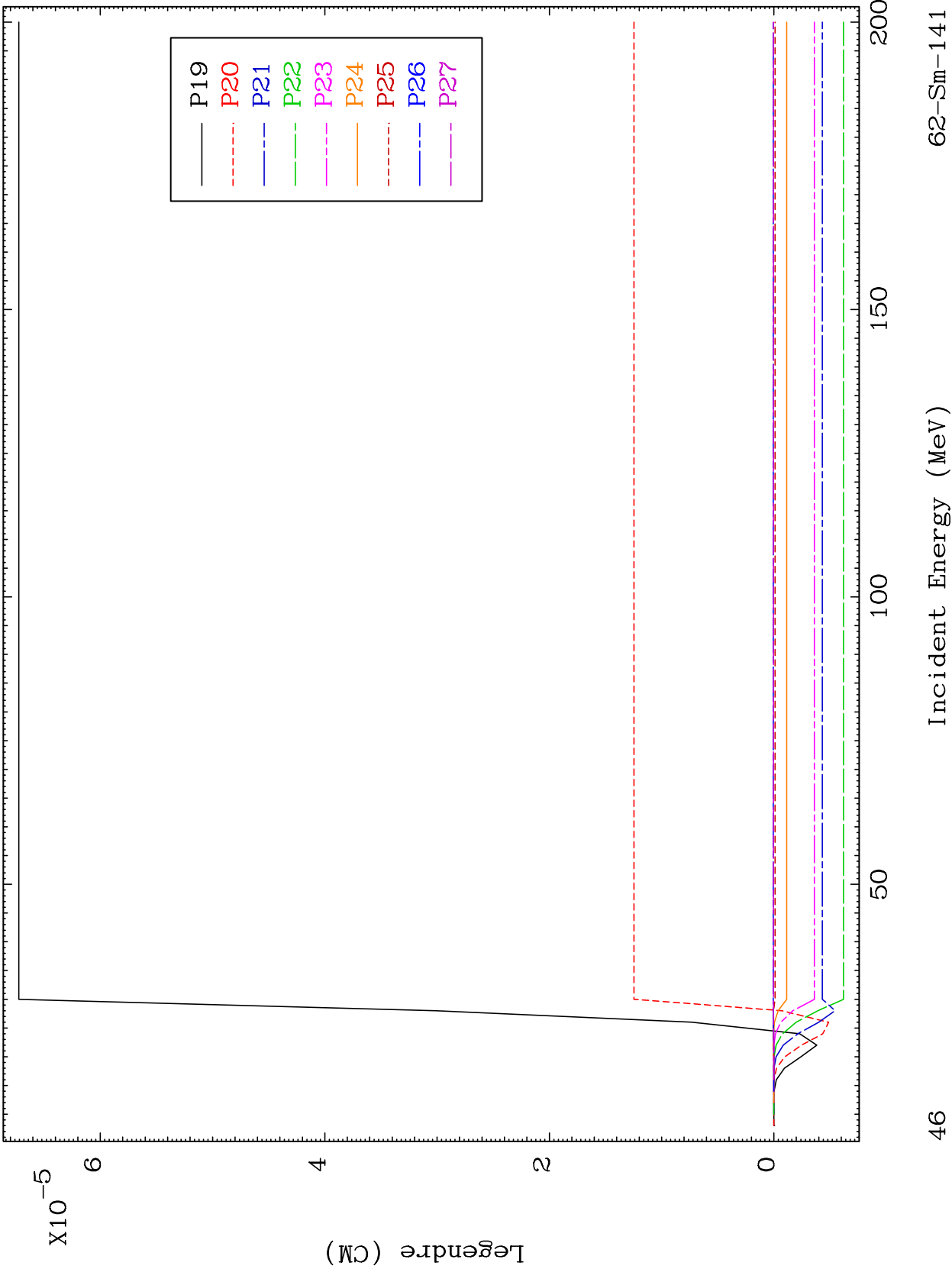
Incident Energy (MeV)

45

MAT 6216

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

62-Sm-141



46

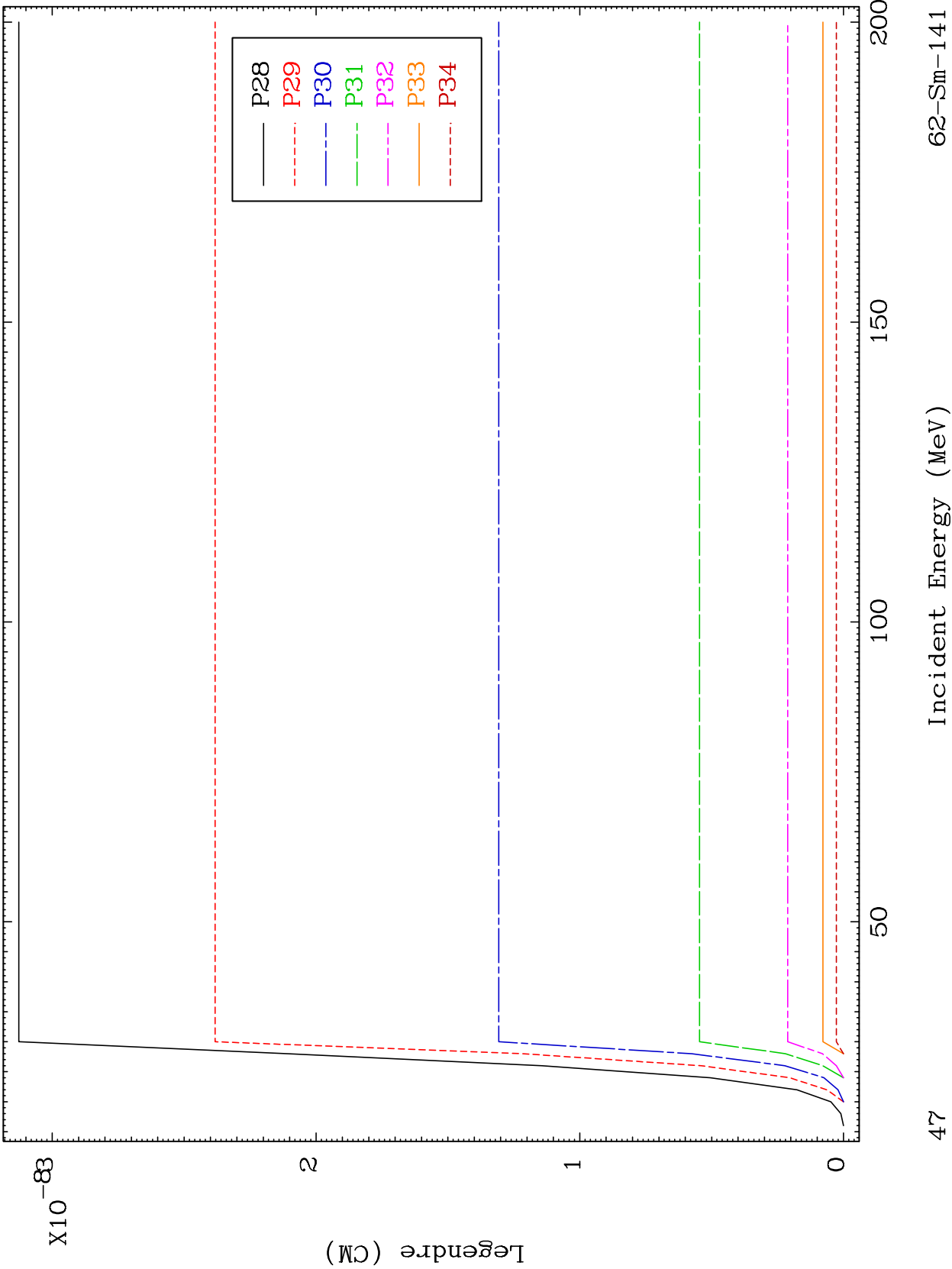
Incident Energy (MeV)

62-Sm-141

MAT 6216

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

62-Sm-141



47

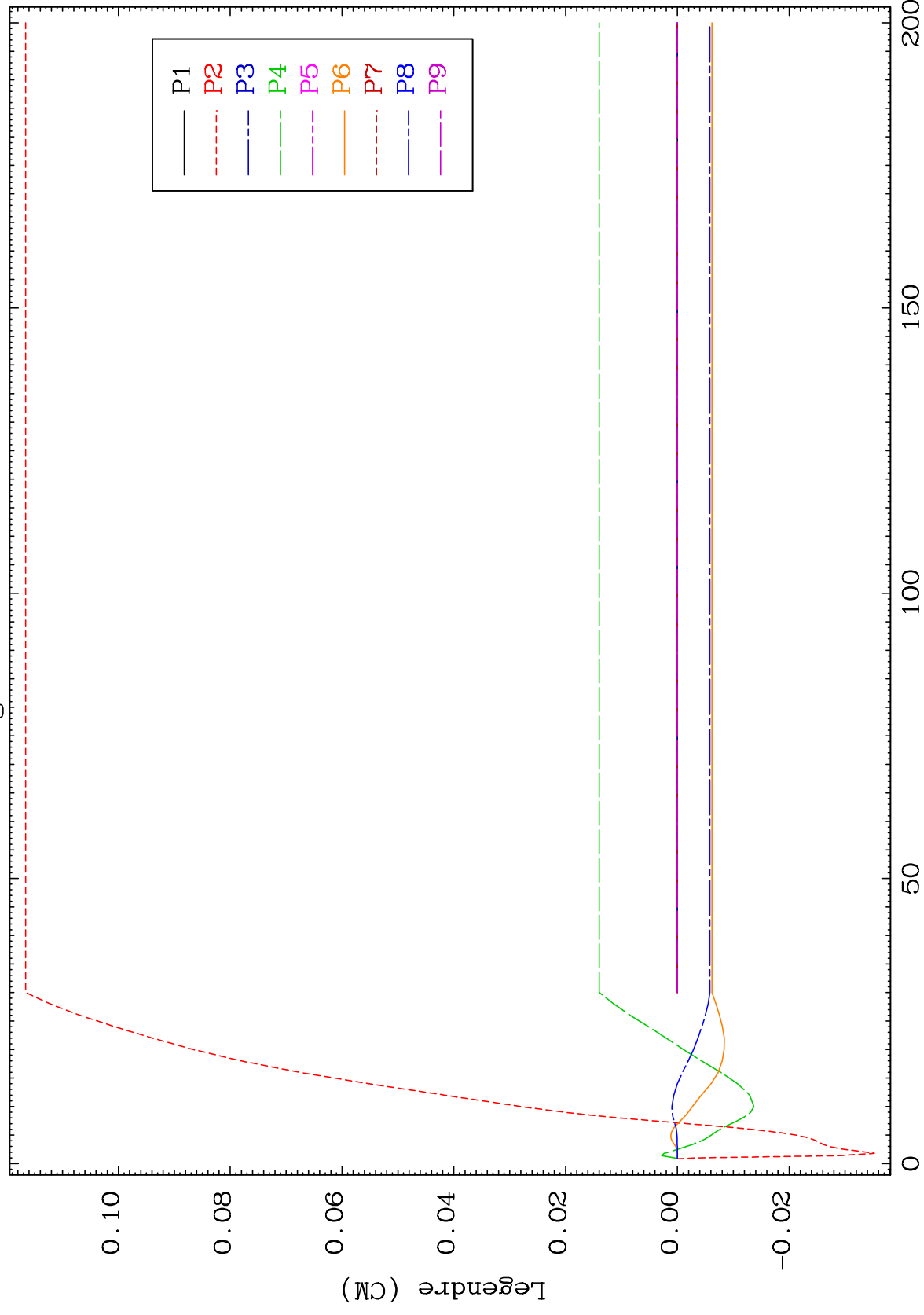
Incident Energy (MeV)

62-Sm-141

MAT 6216

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

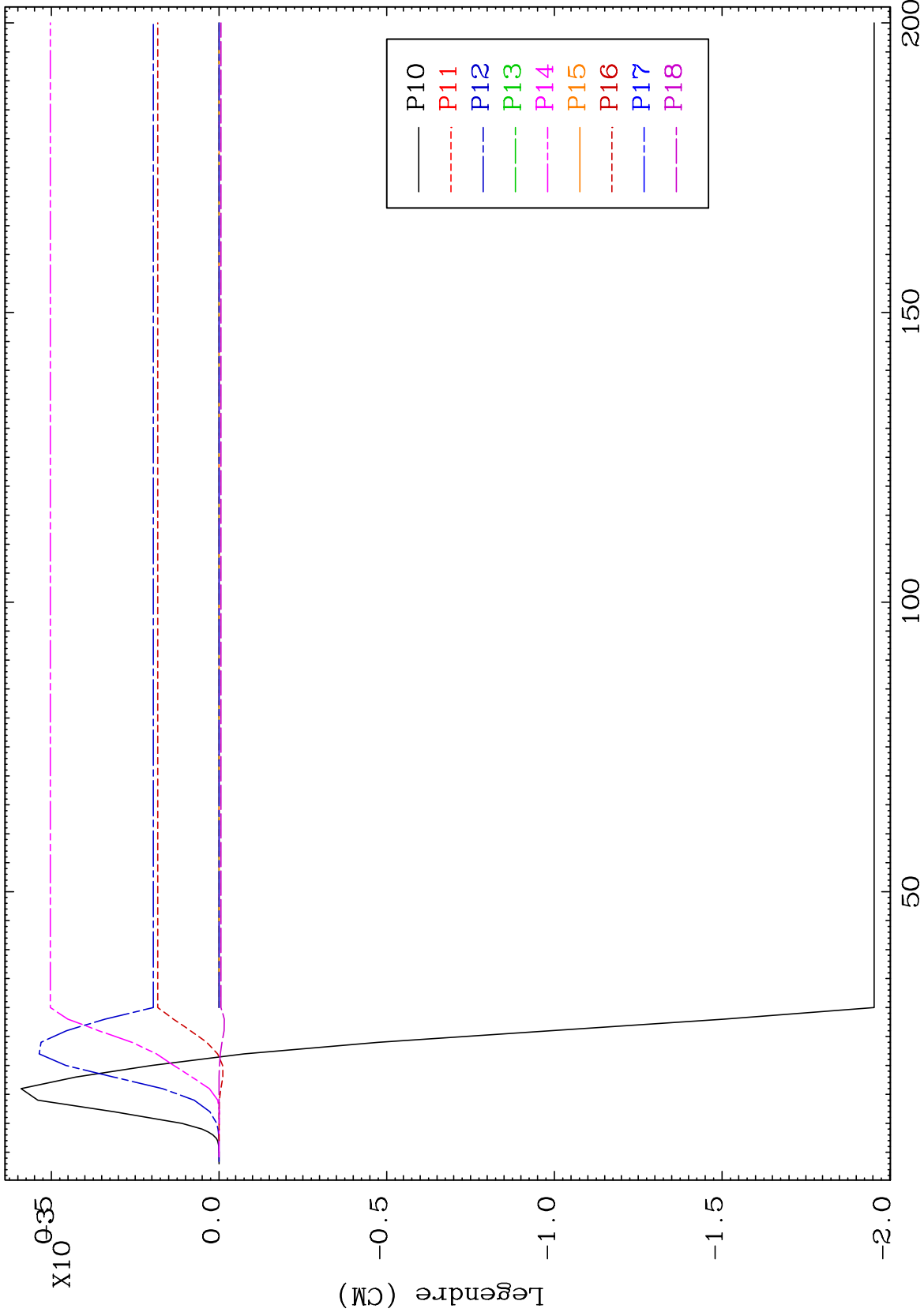
62-Sm-141

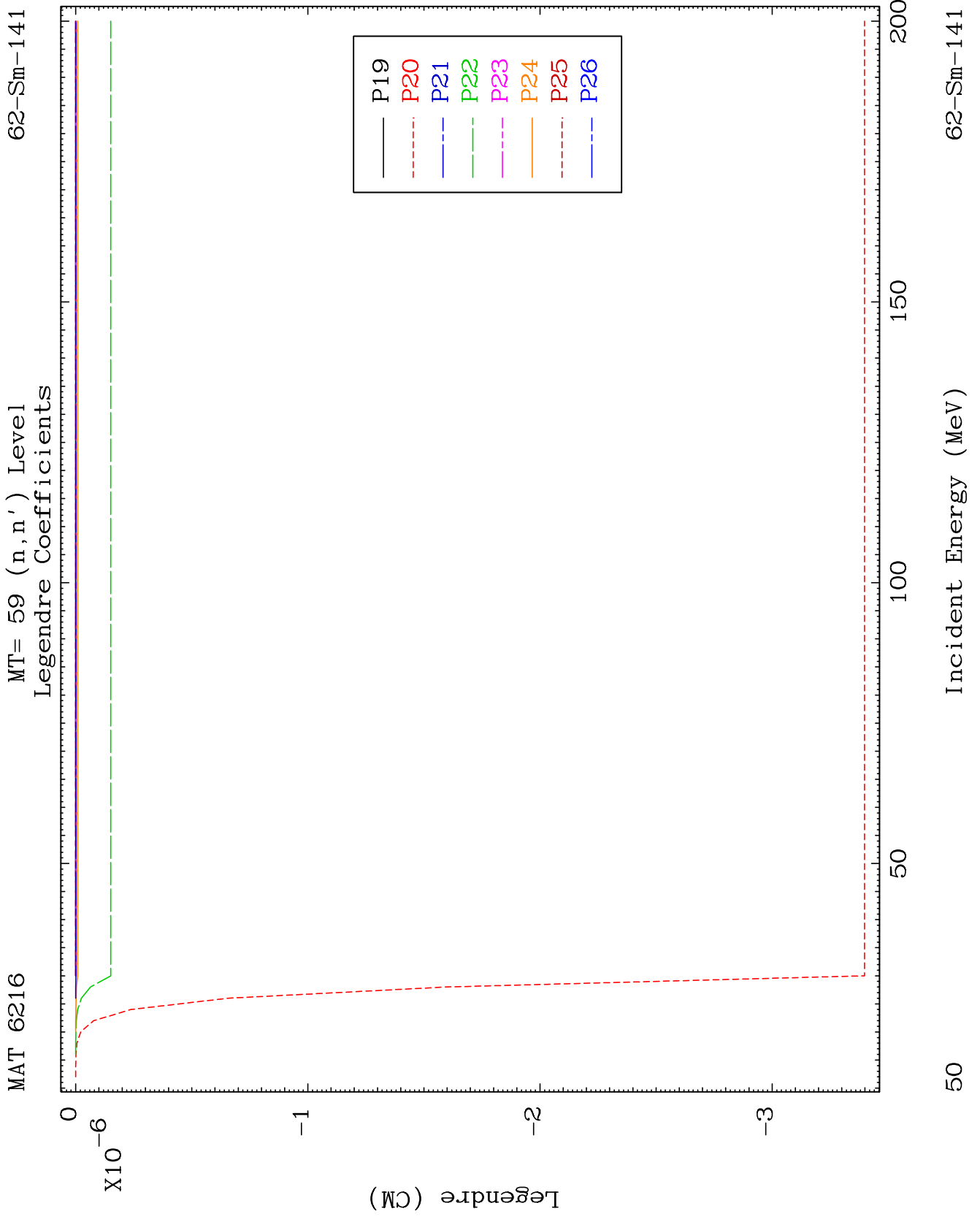


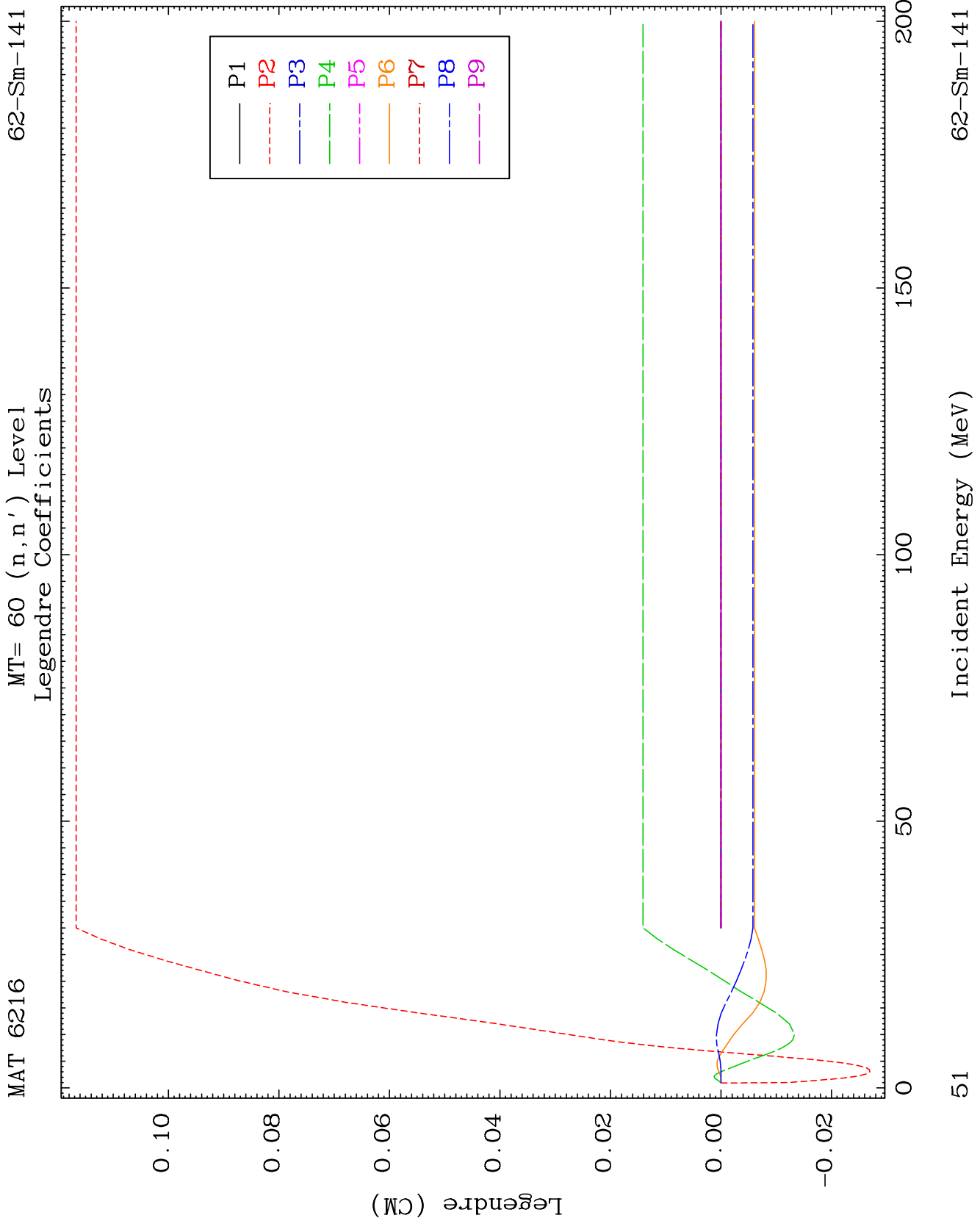
62-Sm-141

Incident Energy (MeV)

48



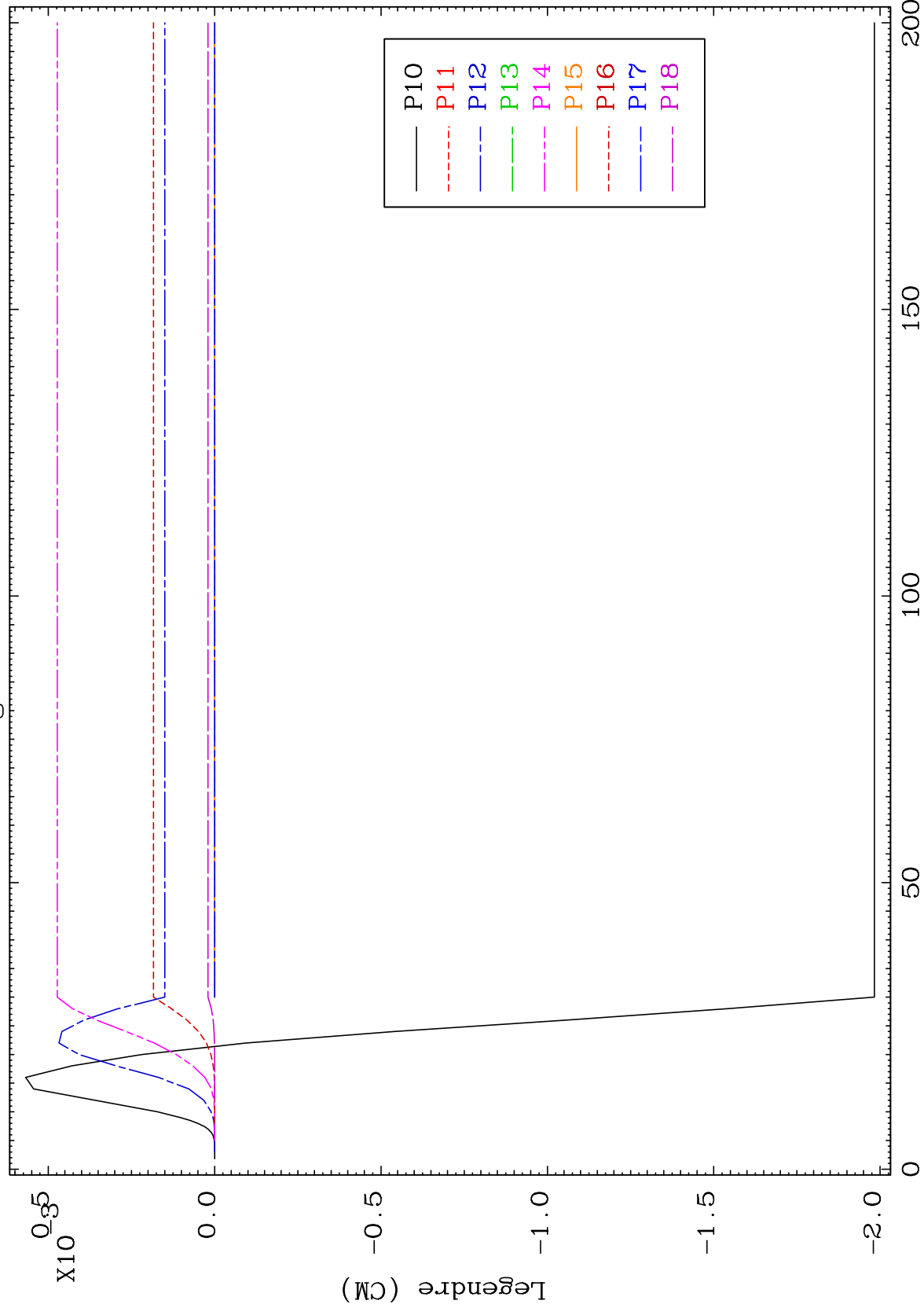




MAT 6216

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

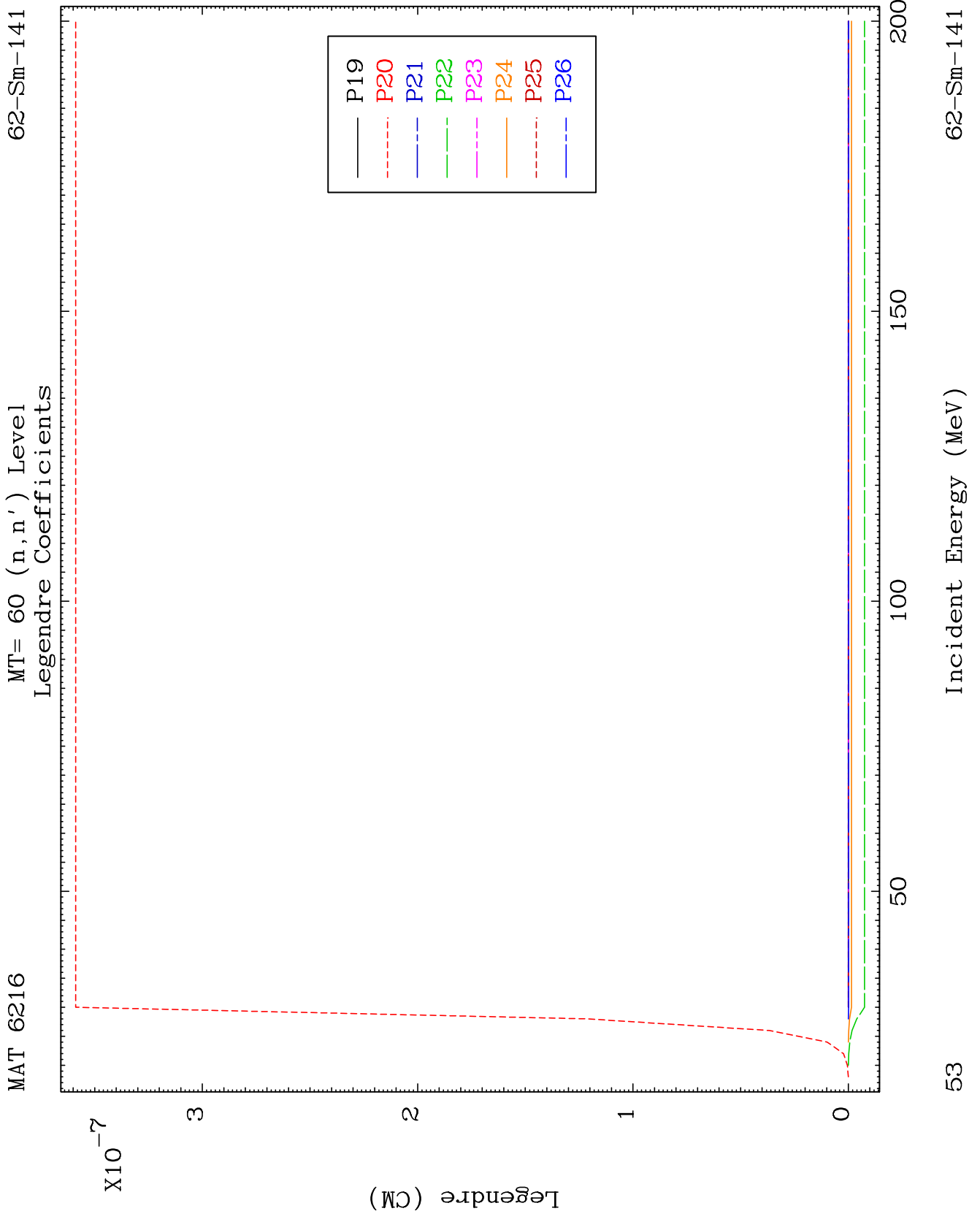
62-Sm-141



52

Incident Energy (MeV)

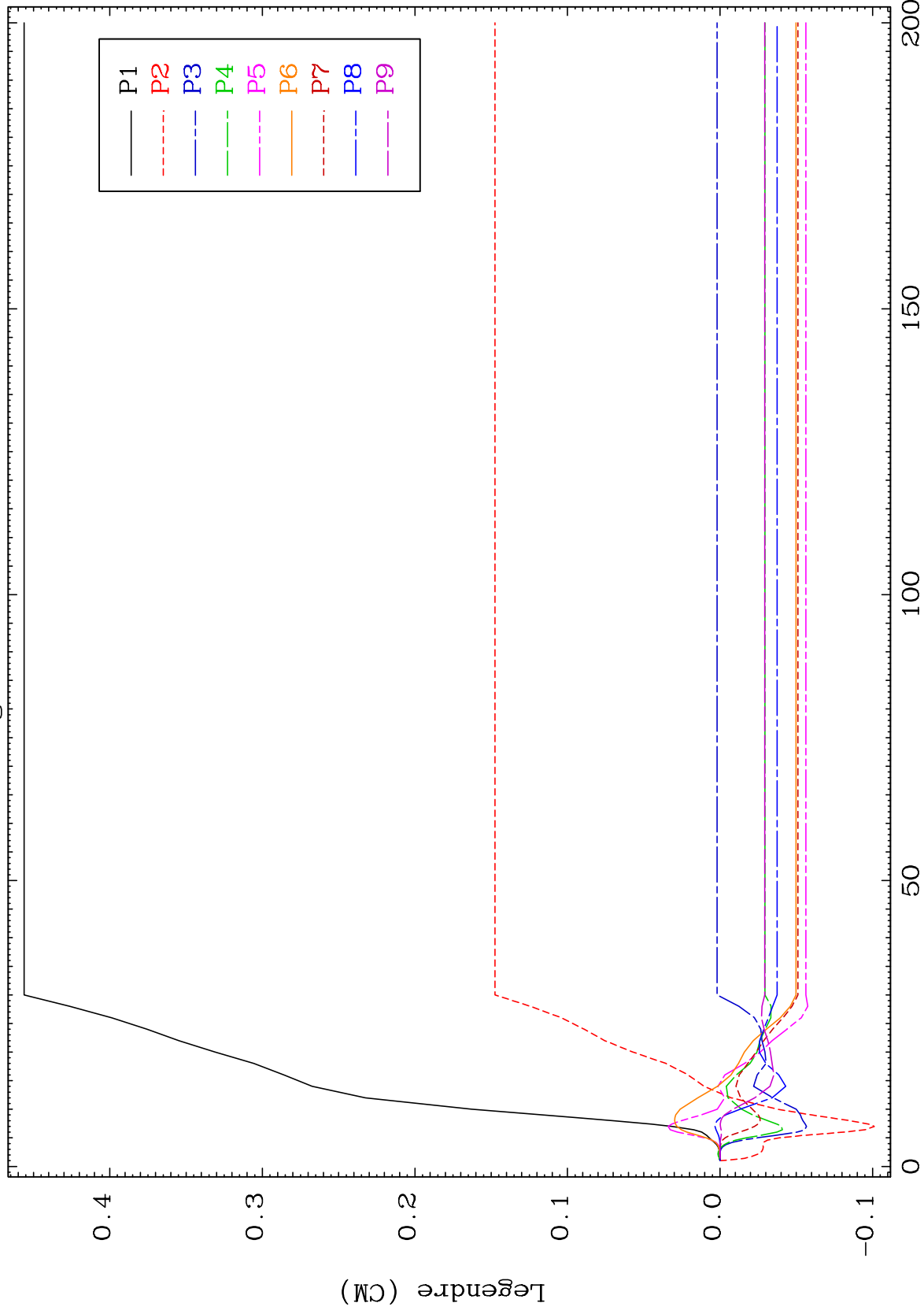
62-Sm-141



MAT 6216

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

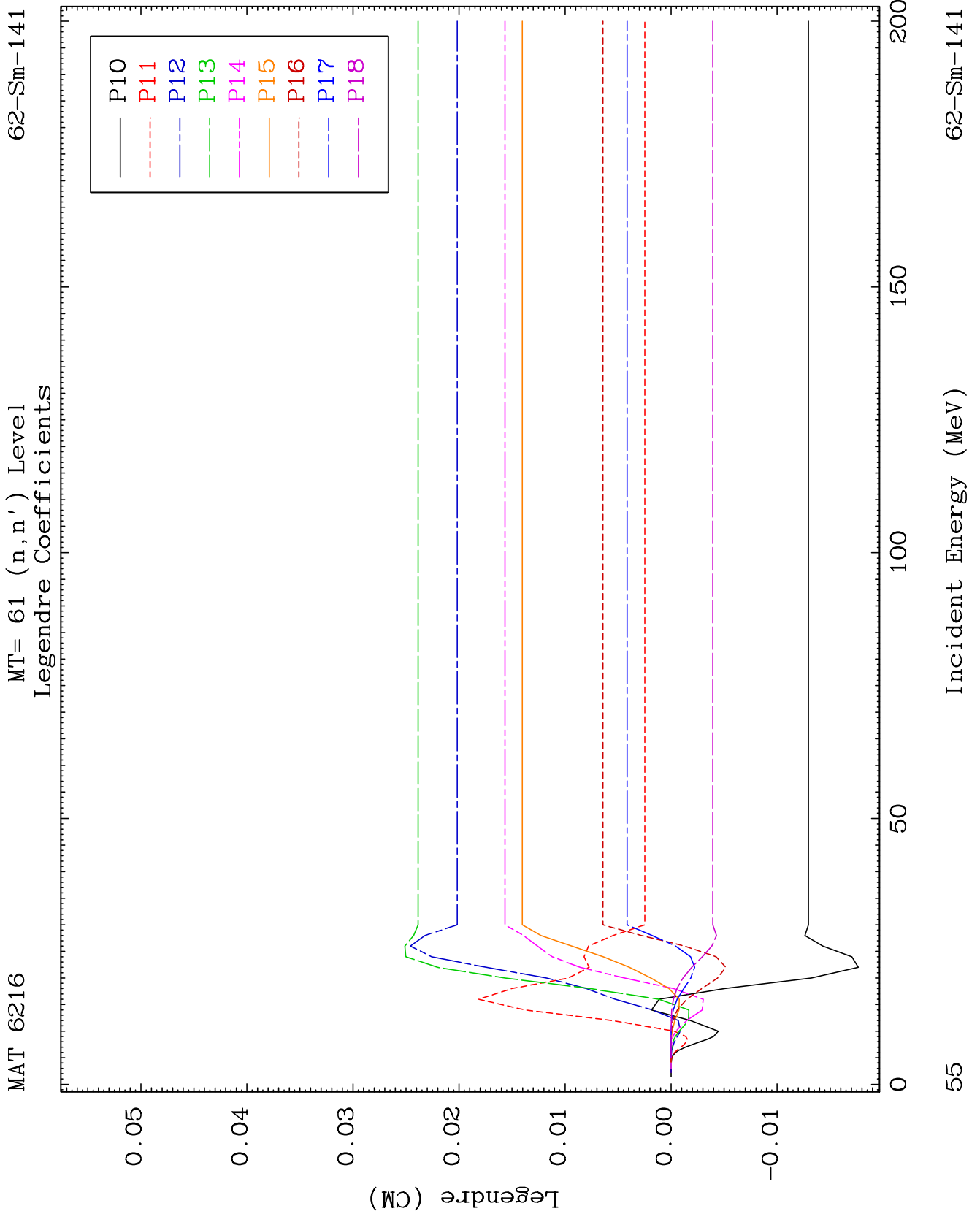
62-Sm-141



54

Incident Energy (MeV)

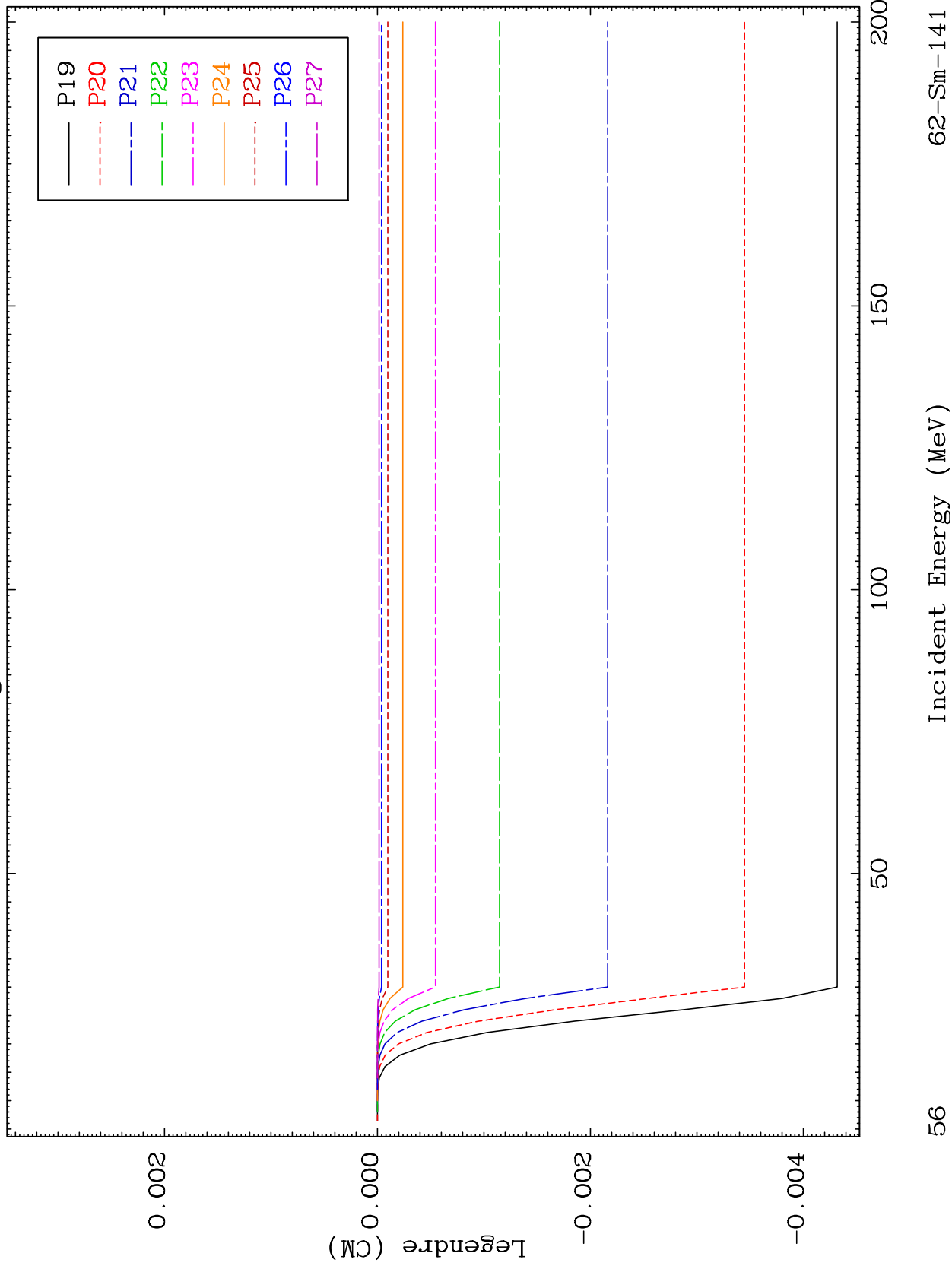
62-Sm-141



MAT 6216

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

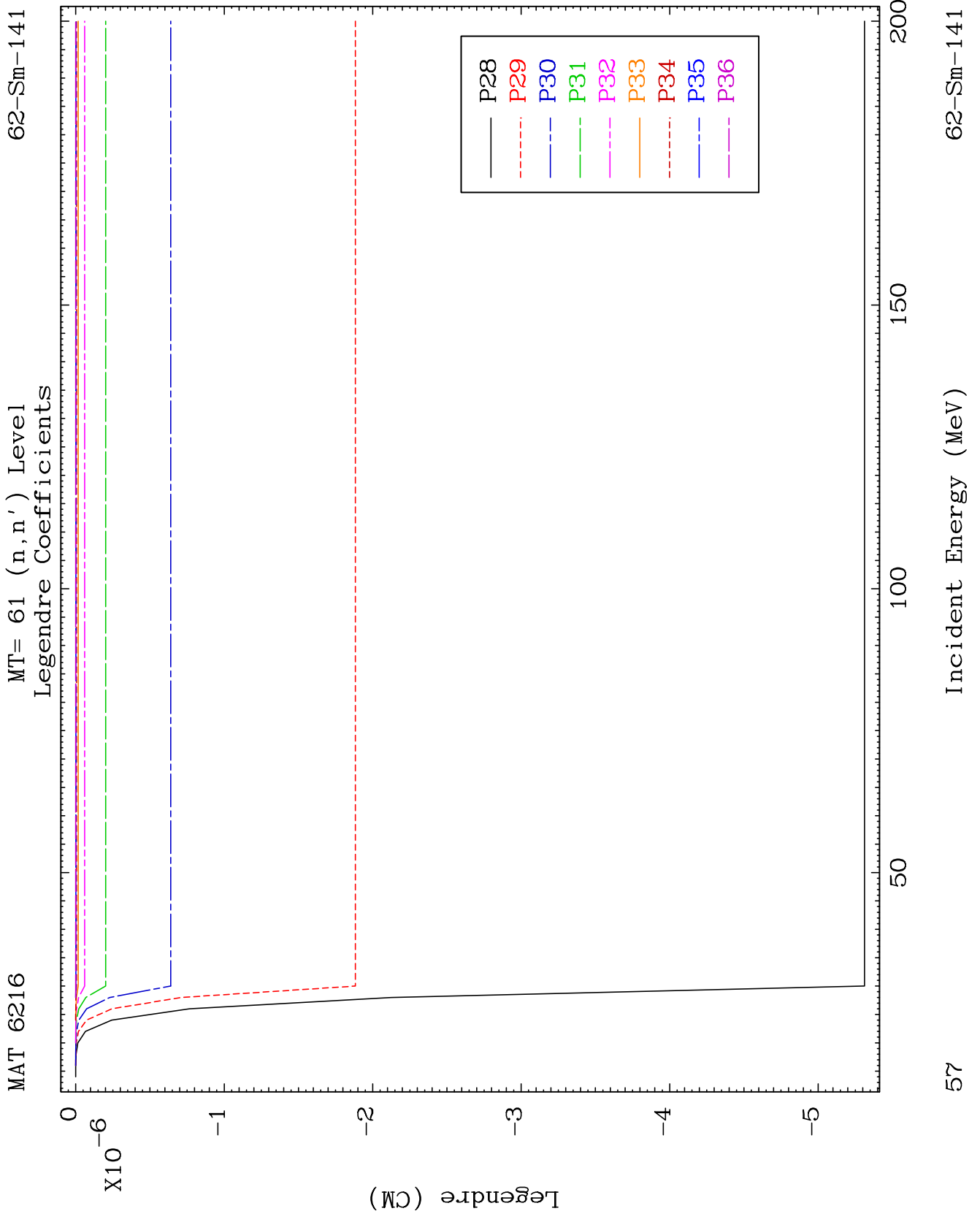
62-Sm-141



56

Incident Energy (MeV)

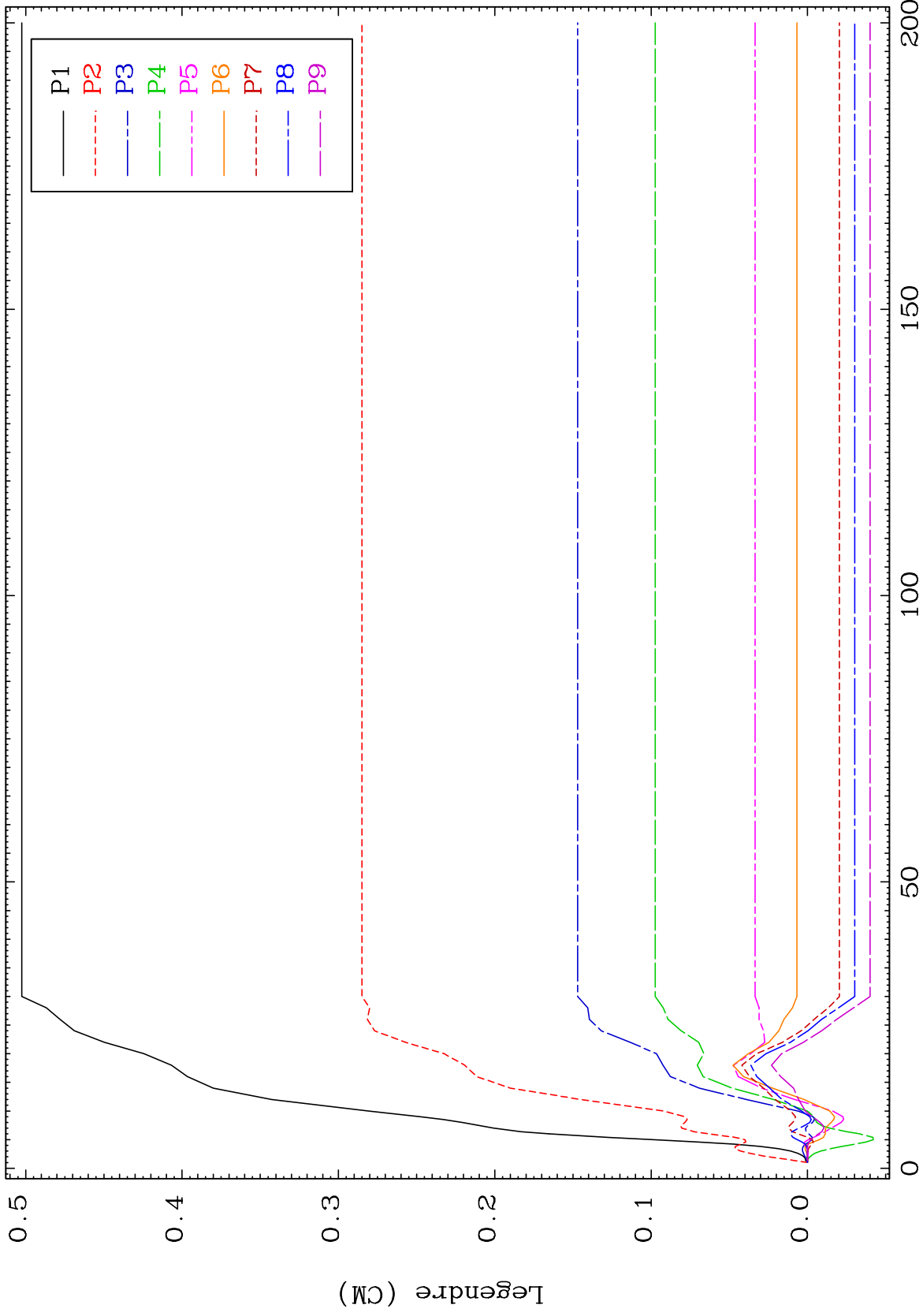
62-Sm-141



MAT 6216

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

62-Sm-141



58

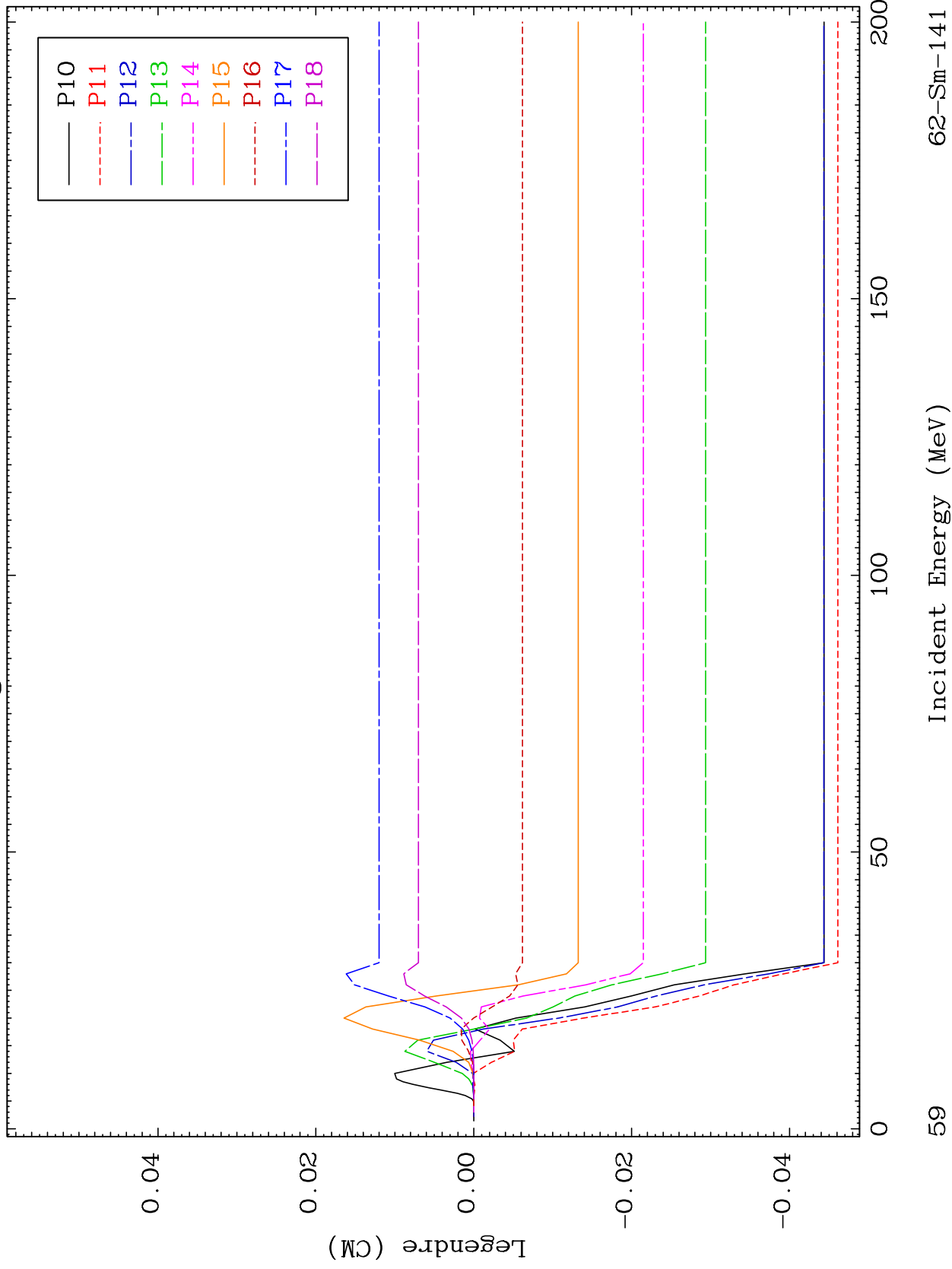
Incident Energy (MeV)

62-Sm-141

MAT 6216

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

62-Sm-141



62-Sm-141

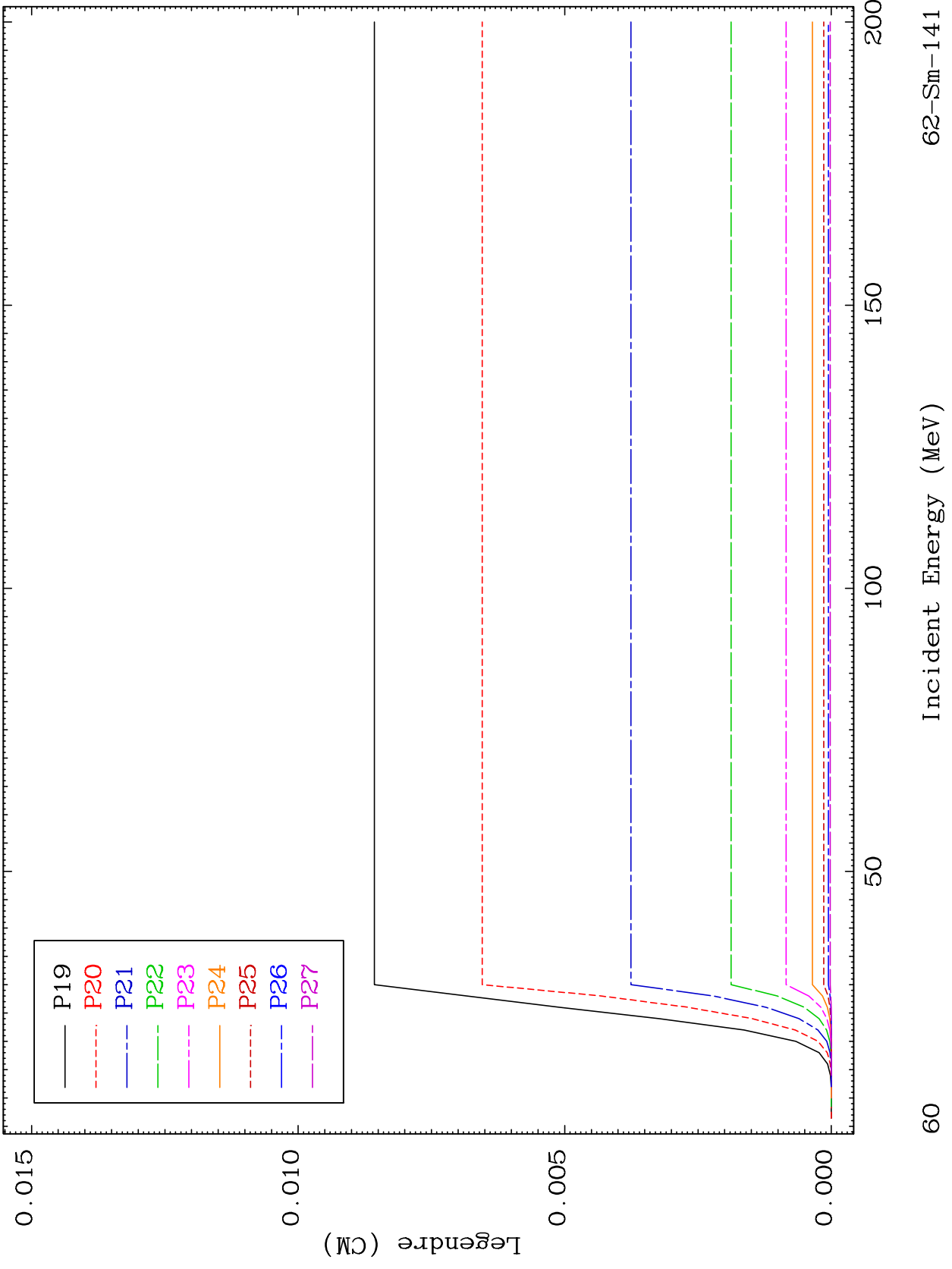
Incident Energy (MeV)

59

MAT 6216

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

62-Sm-141



62-Sm-141

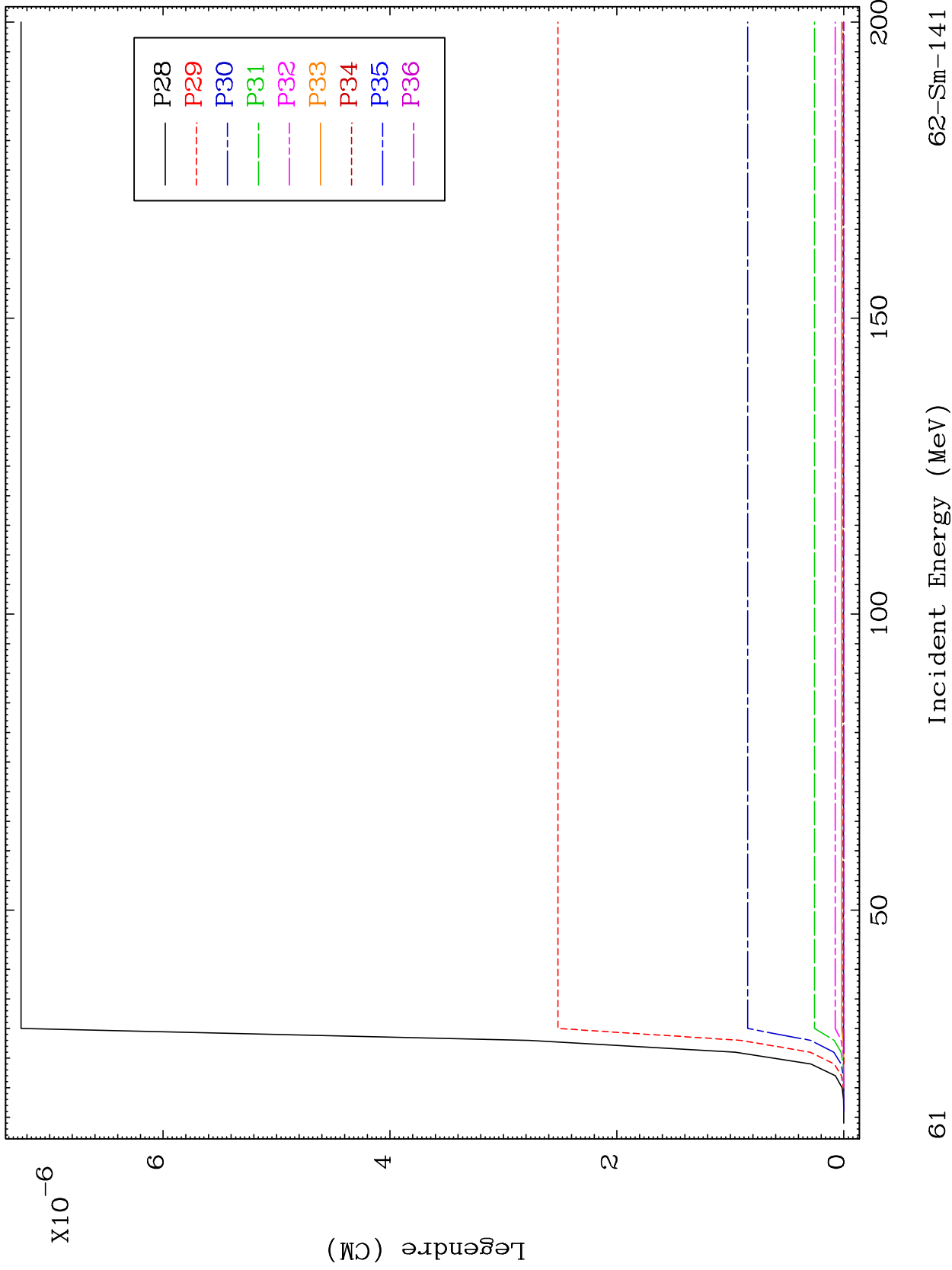
Incident Energy (MeV)

60

MAT 6216

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

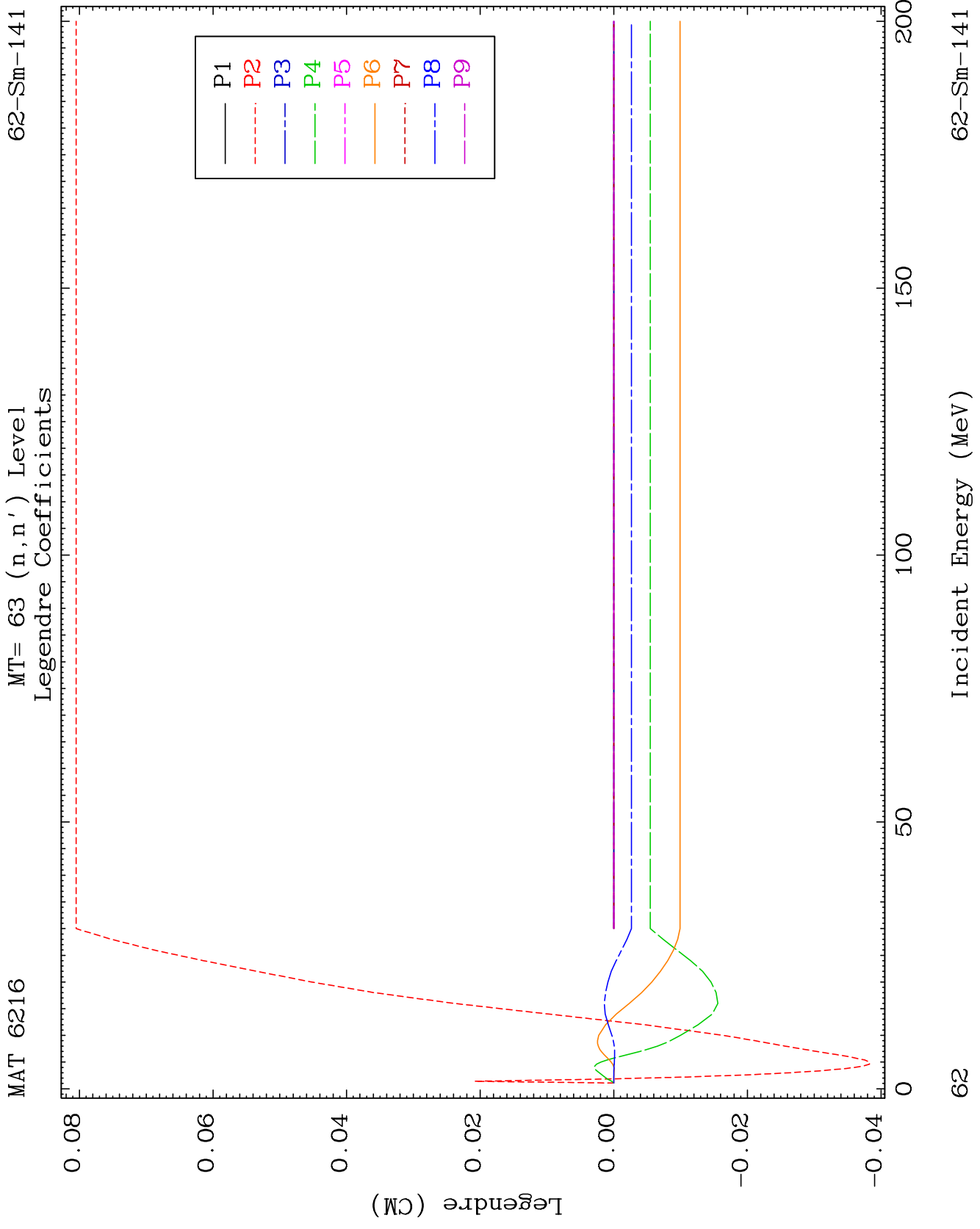
62-Sm-141



61

Incident Energy (MeV)

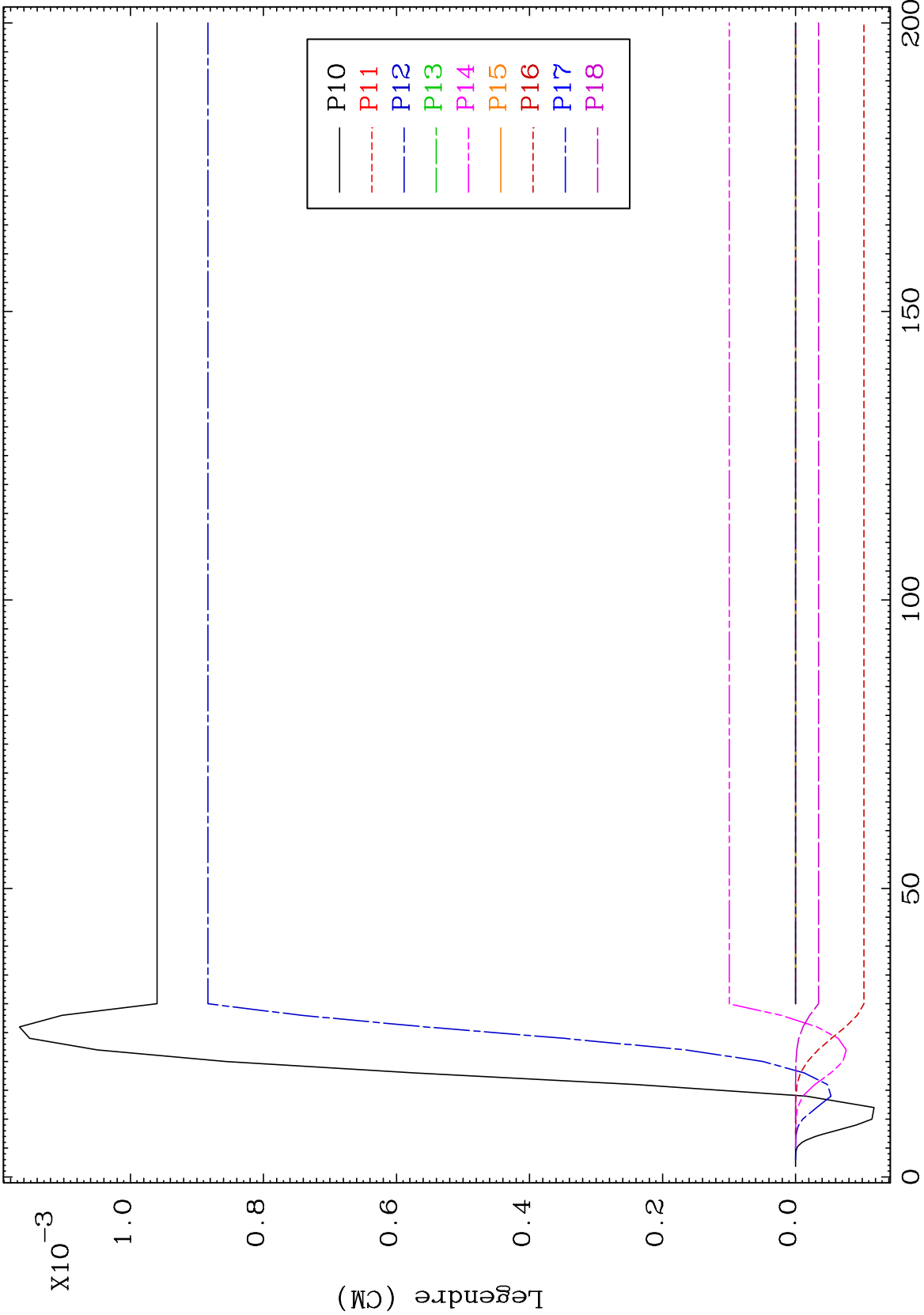
62-Sm-141



MAT 6216

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

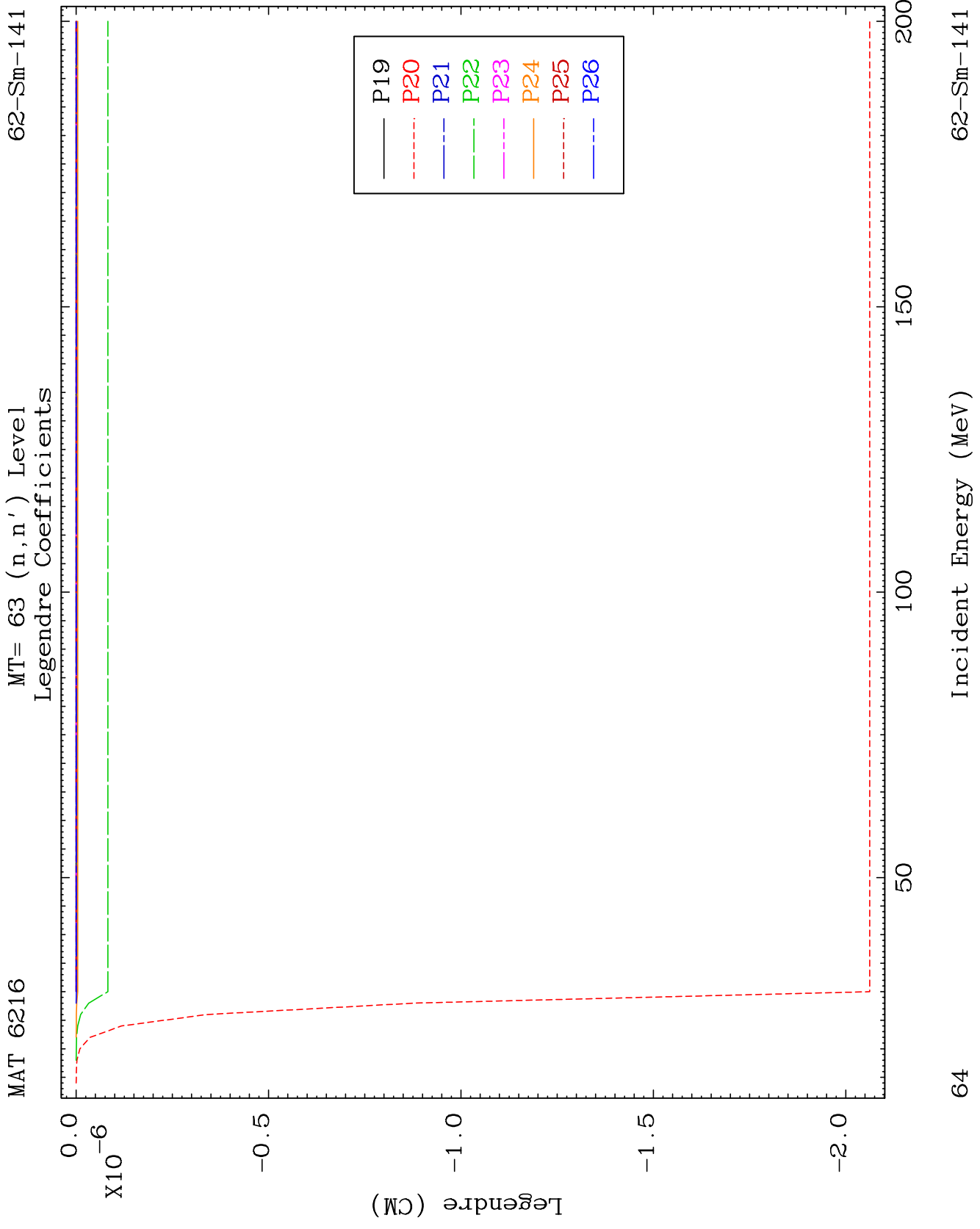
62-Sm-141



63

Incident Energy (MeV)

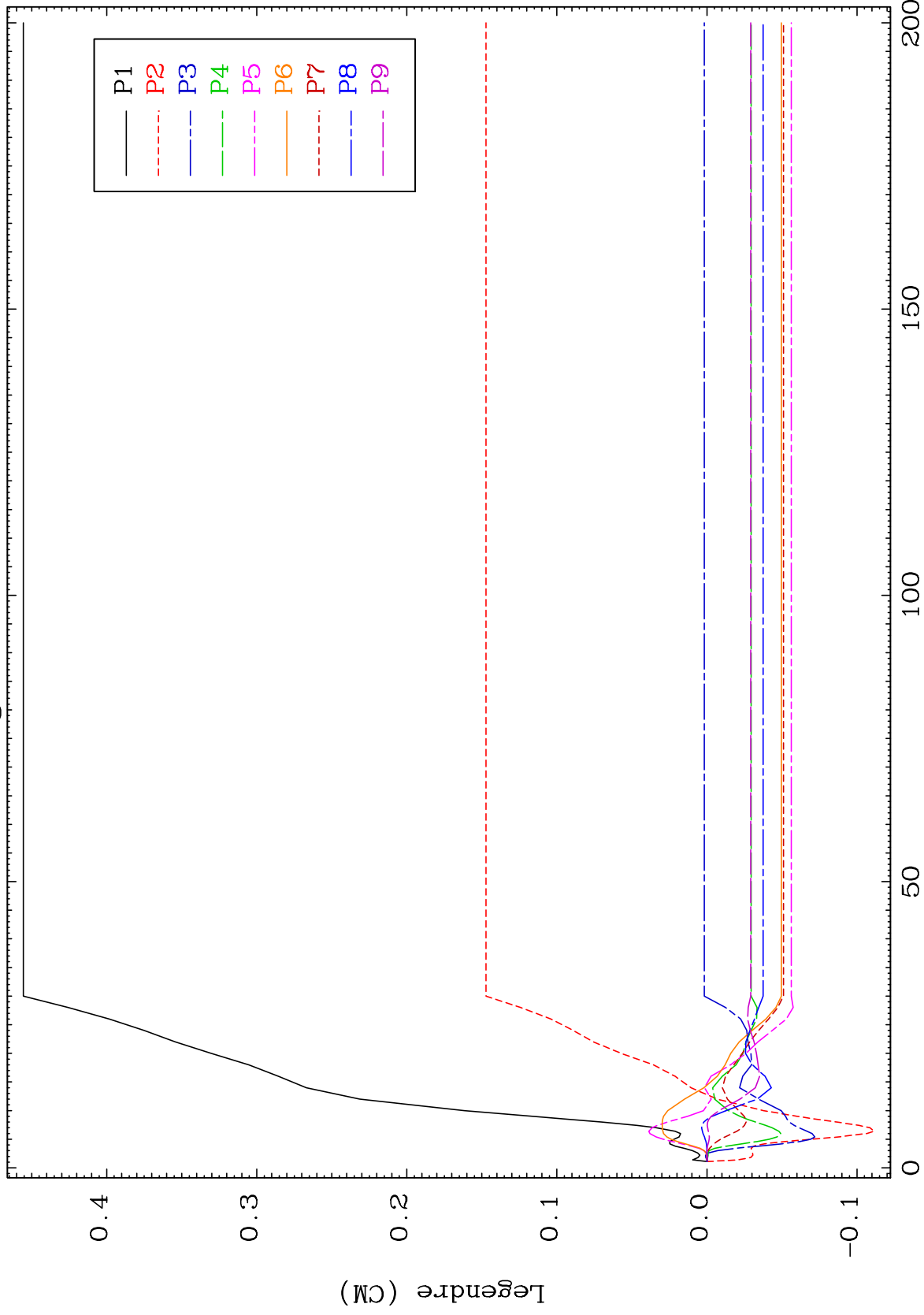
62-Sm-141



MAT 6216

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

62-Sm-141



62-Sm-141

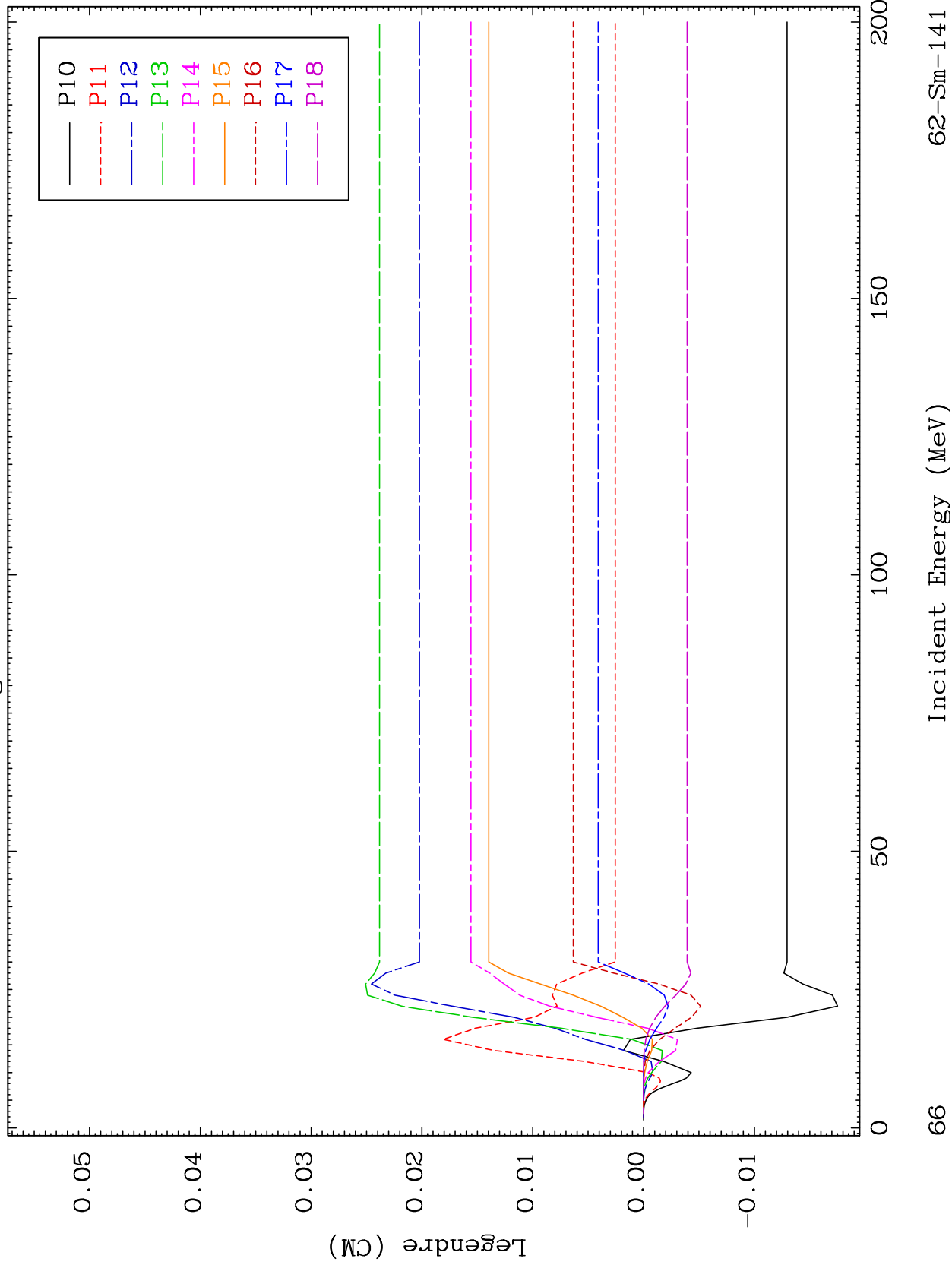
Incident Energy (MeV)

65

MAT 6216

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

62-Sm-141



62-Sm-141

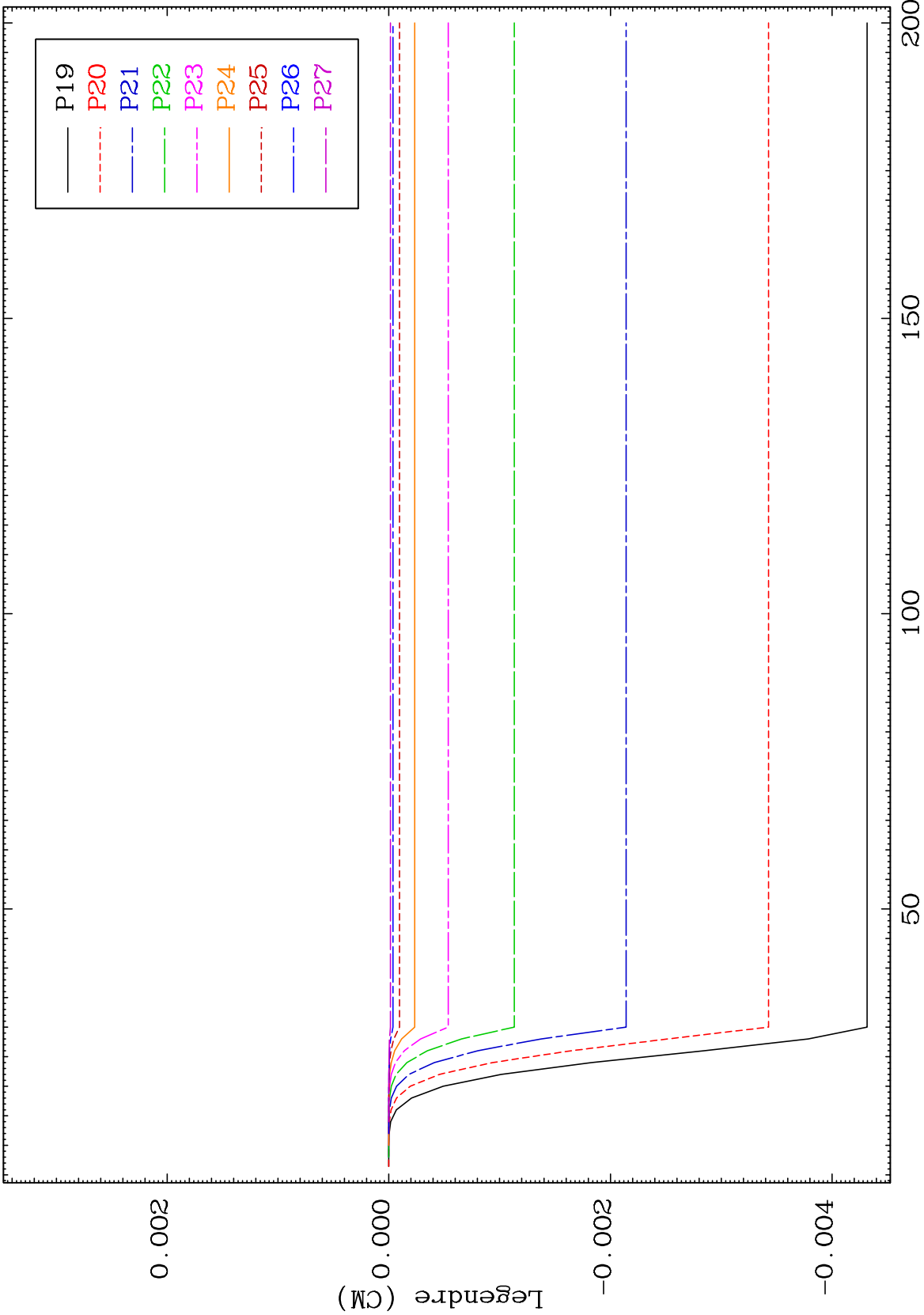
Incident Energy (MeV)

66

MAT 6216

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

62-Sm-141



67

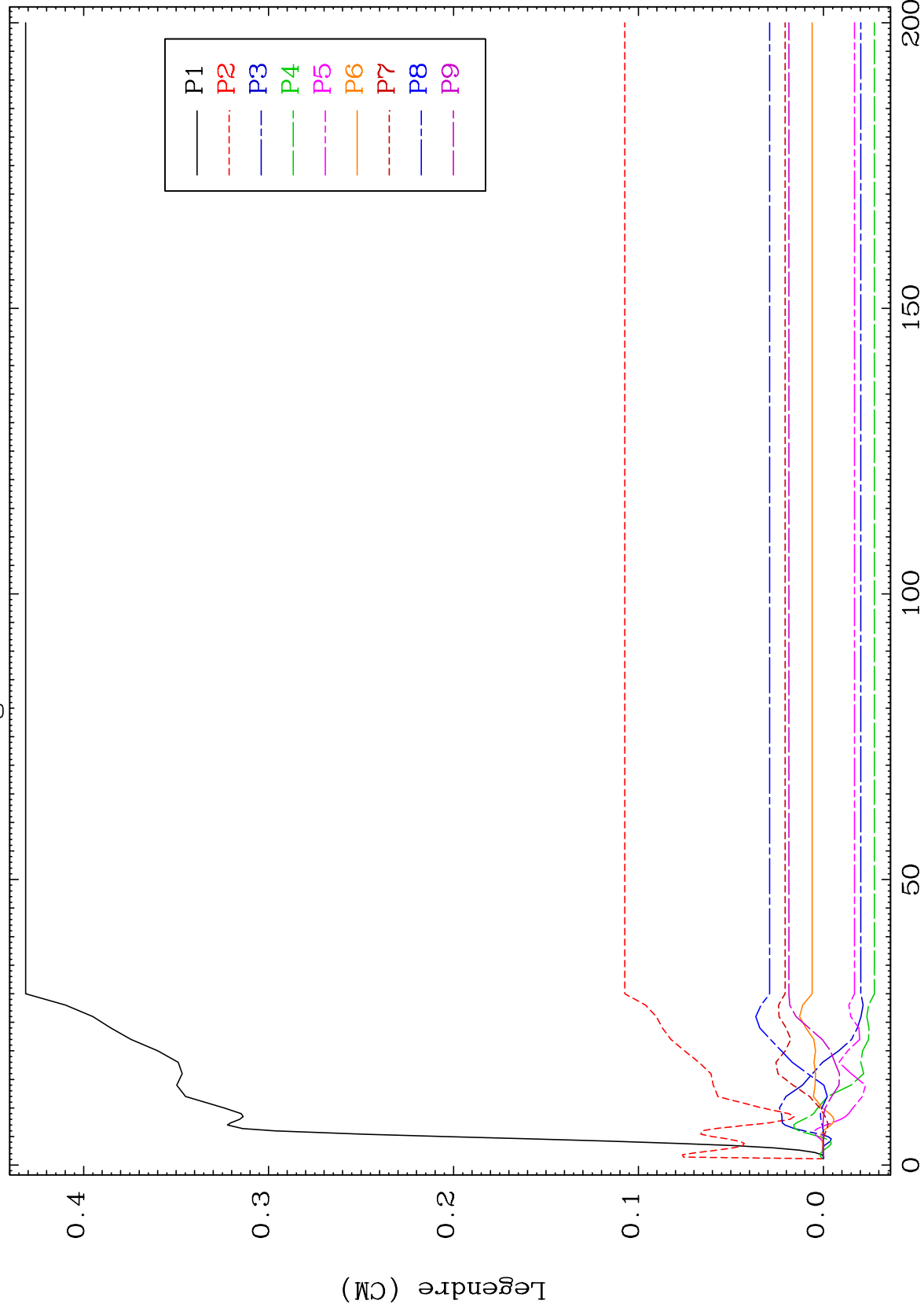
Incident Energy (MeV)

62-Sm-141

MAT 6216

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

62-Sm-141



69

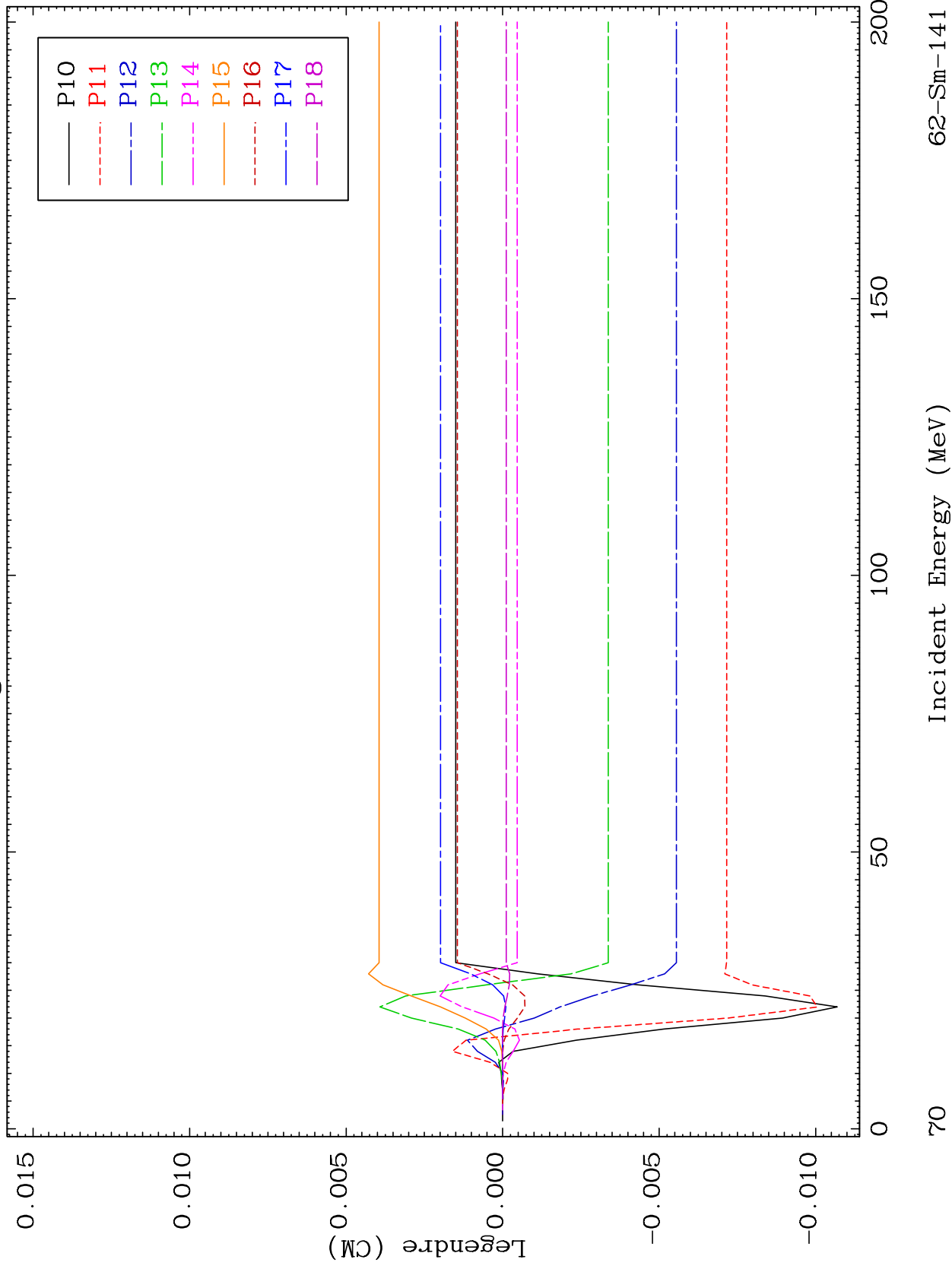
Incident Energy (MeV)

62-Sm-141

MAT 6216

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

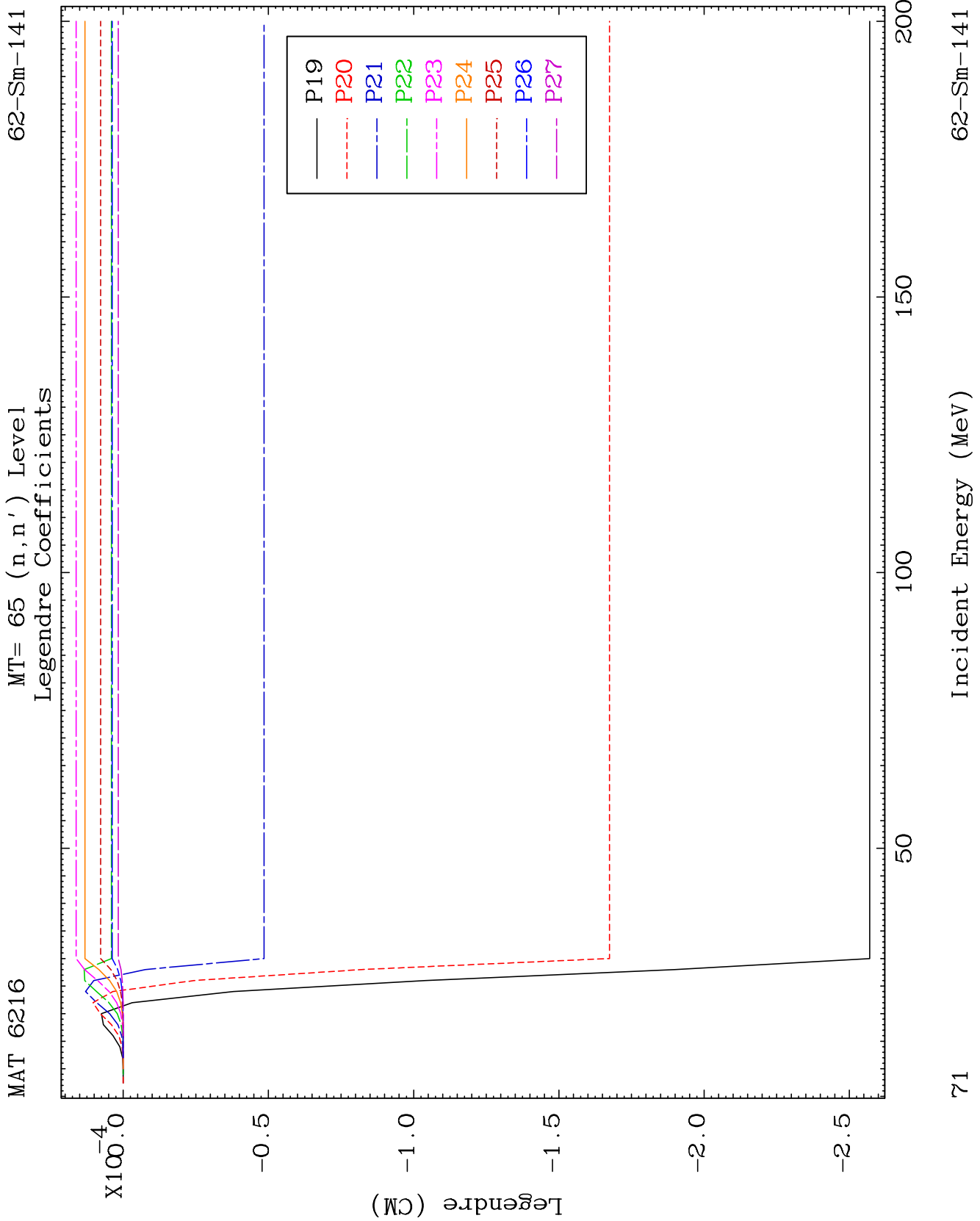
62-Sm-141



62-Sm-141

Incident Energy (MeV)

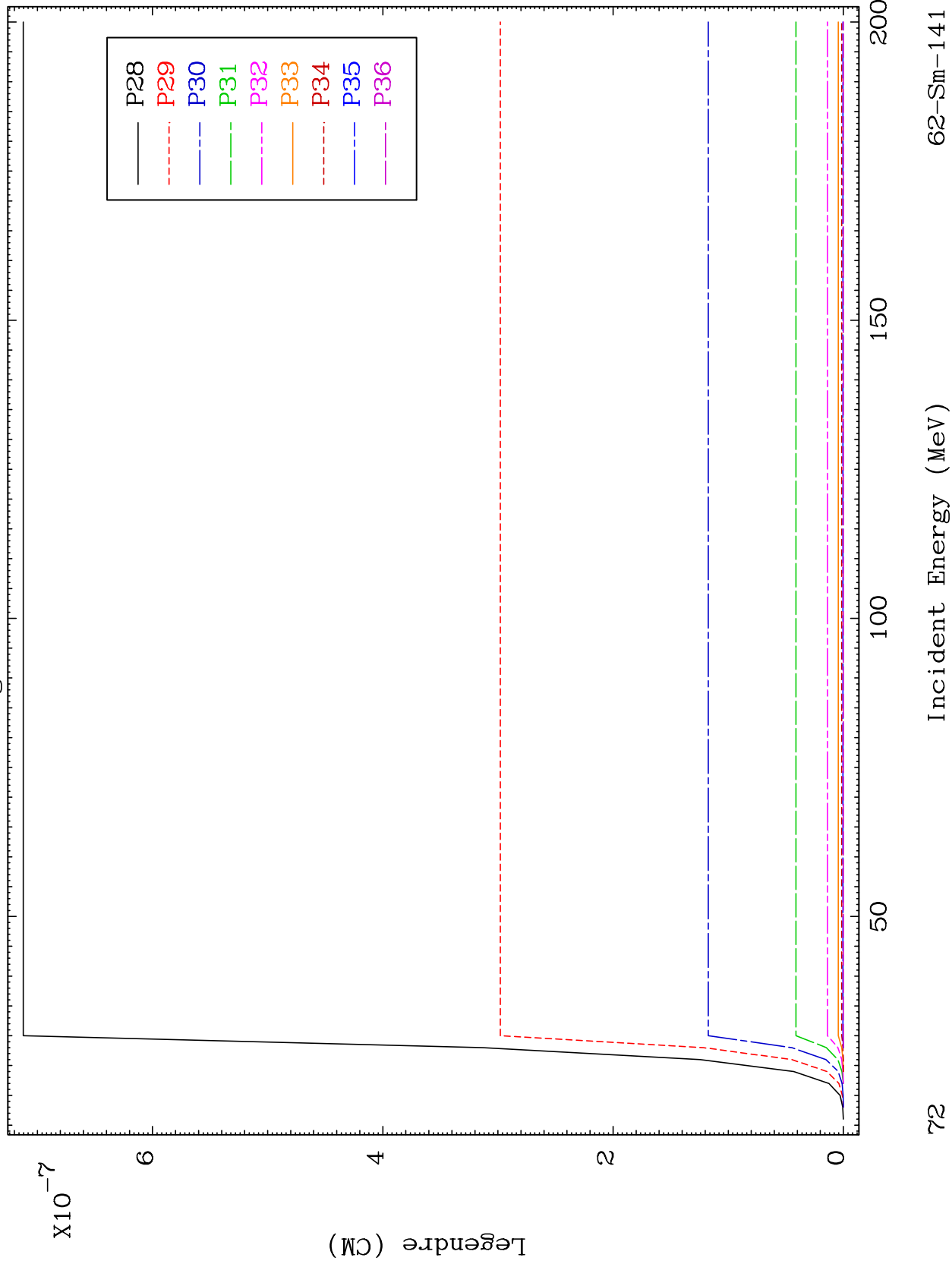
70



MAT 6216

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

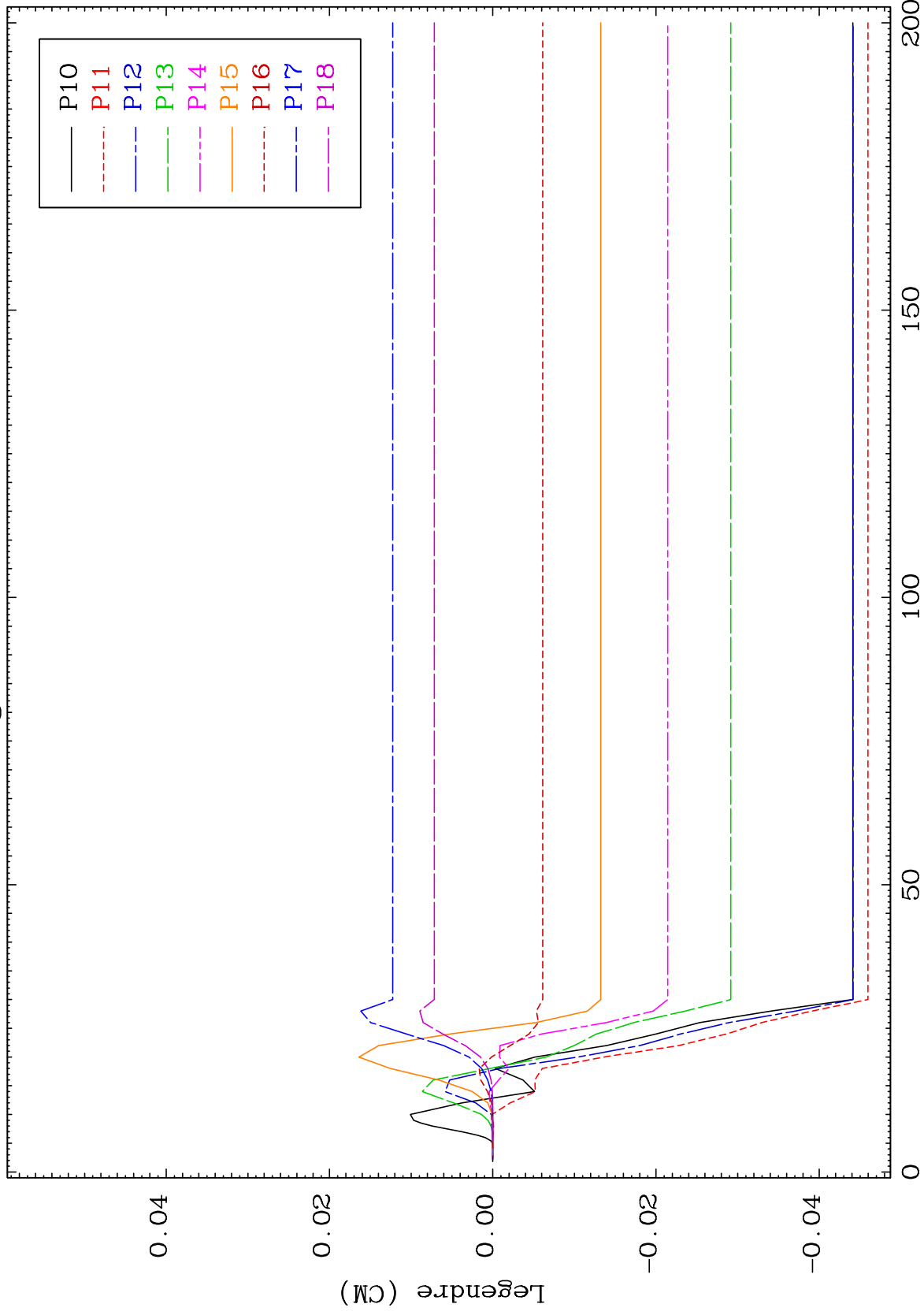
62-Sm-141



MAT 6216

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

62-Sm-141



74

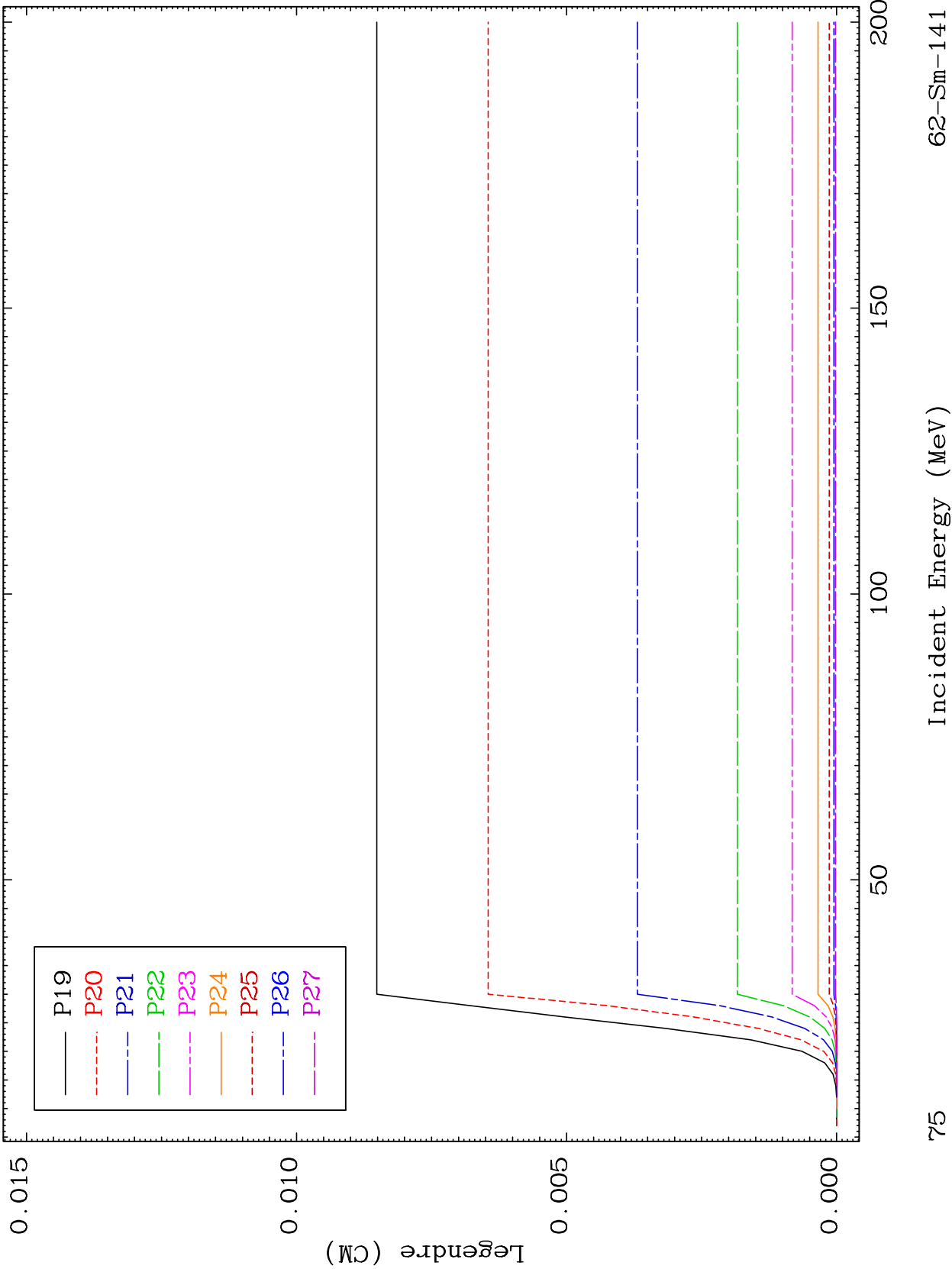
Incident Energy (MeV)

62-Sm-141

MAT 6216

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

62-Sm-141



75

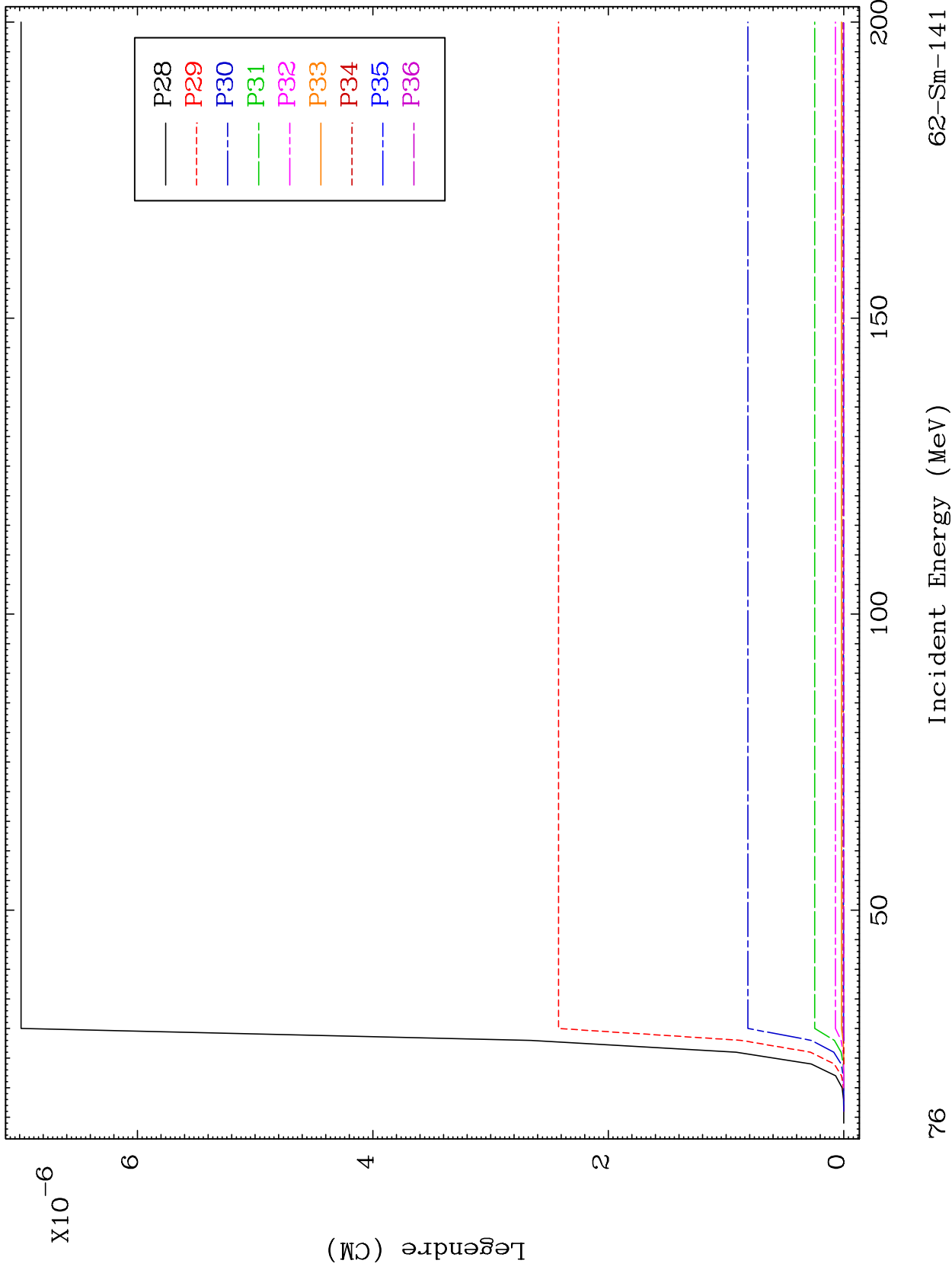
Incident Energy (MeV)

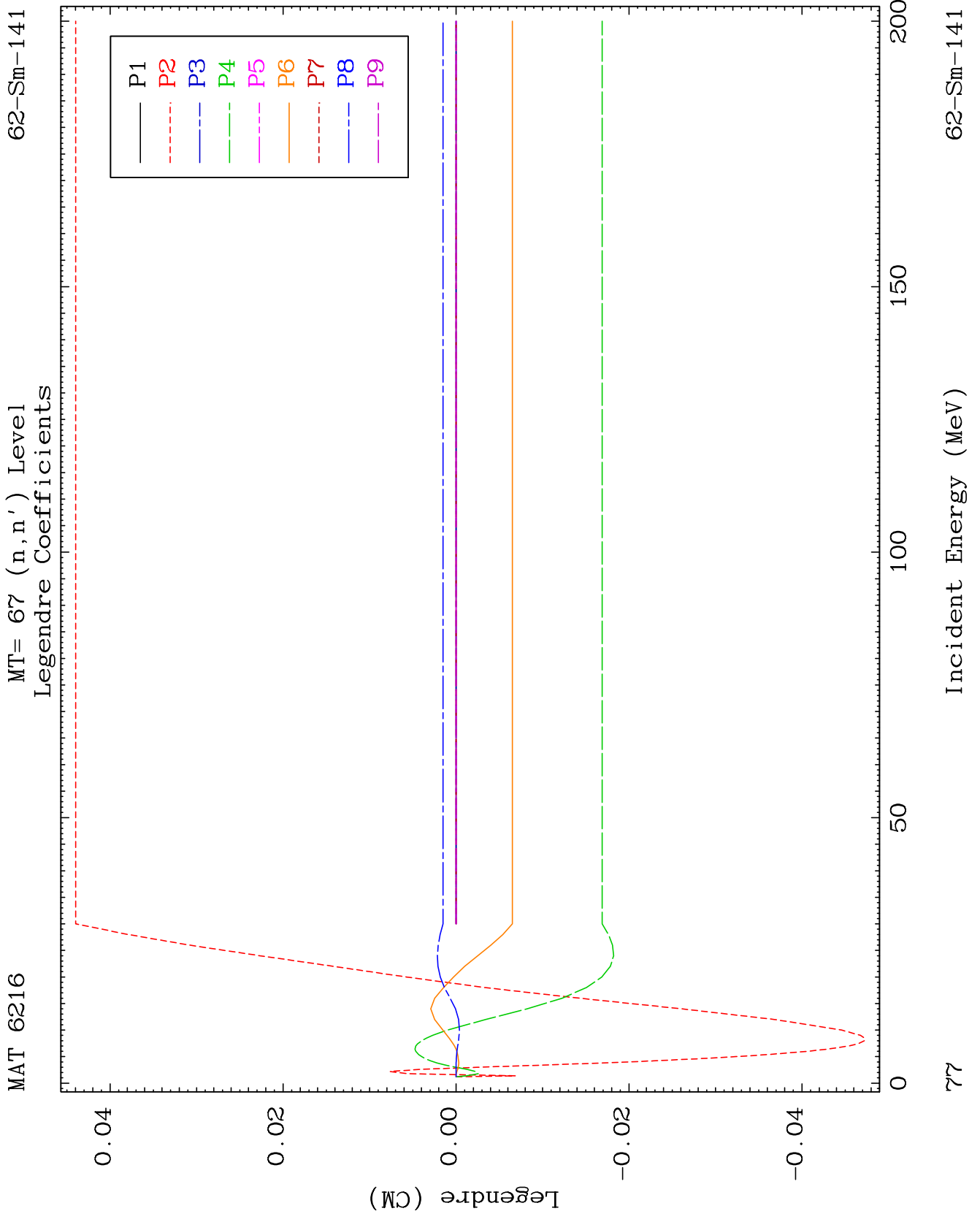
62-Sm-141

MAT 6216

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

62-Sm-141

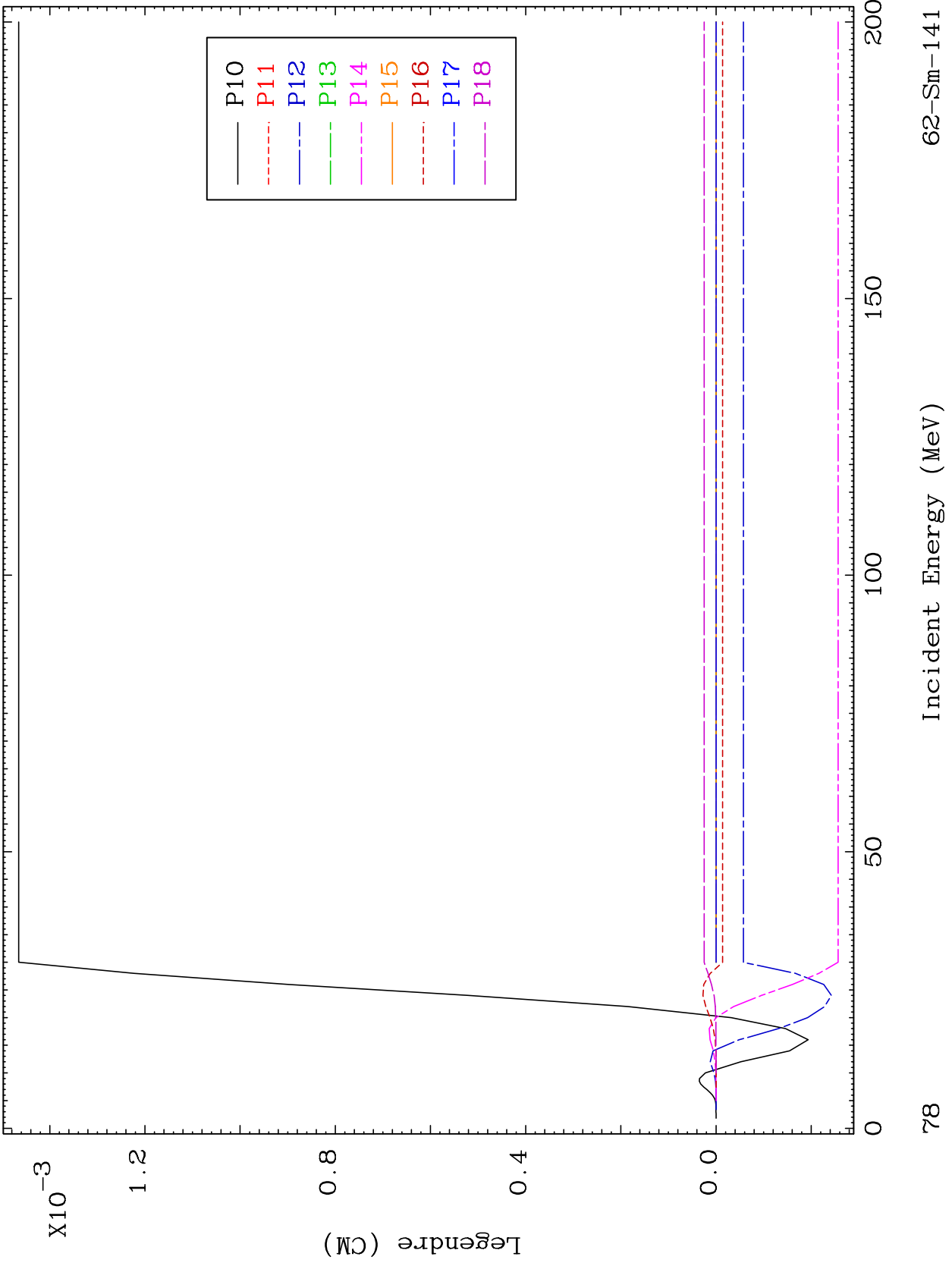




MAT 6216

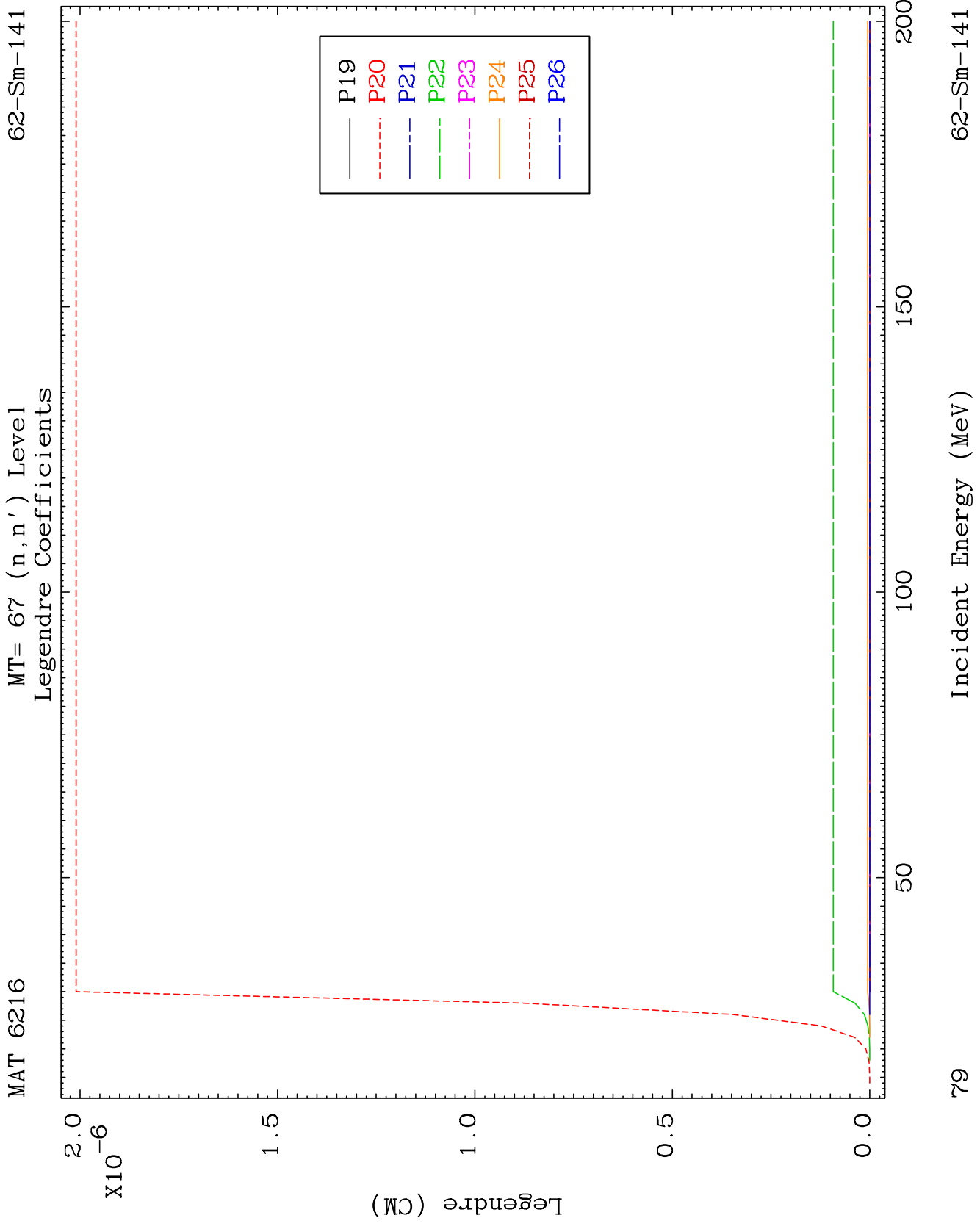
MT= 67 (n,n') Level
Legendre Coefficients

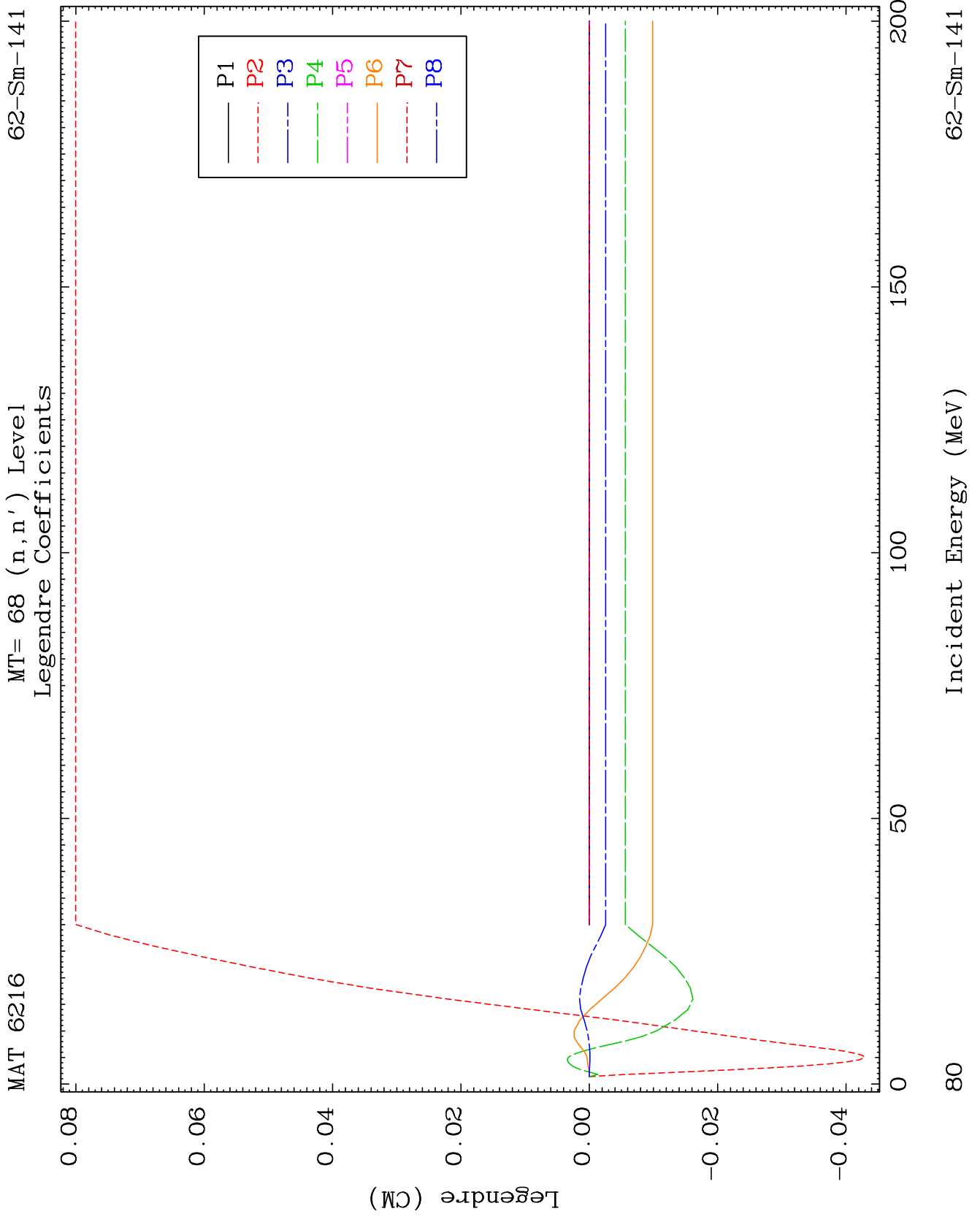
62-Sm-141



78

62-Sm-141

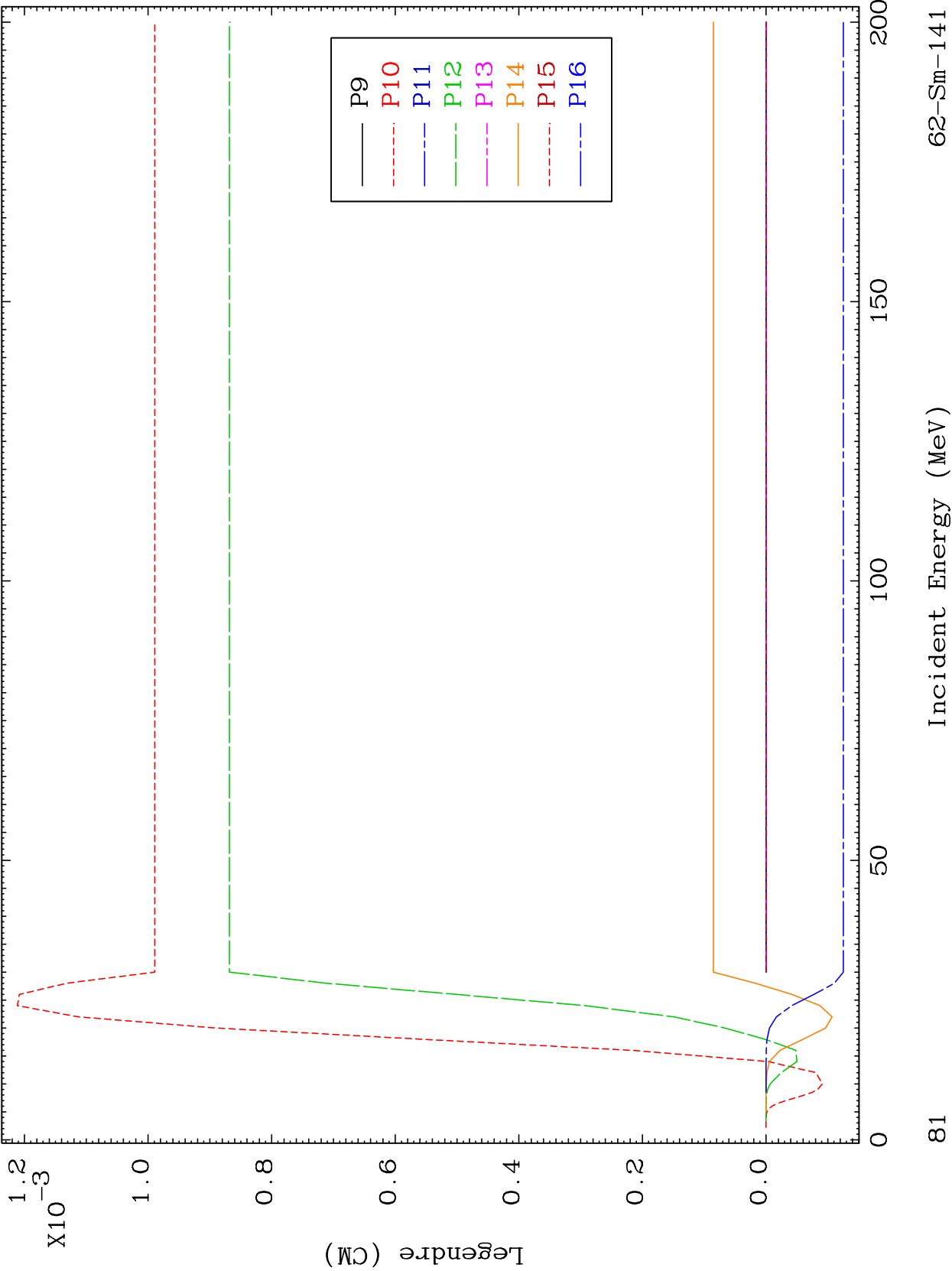




MAT 6216

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

62-Sm-141



62-Sm-141

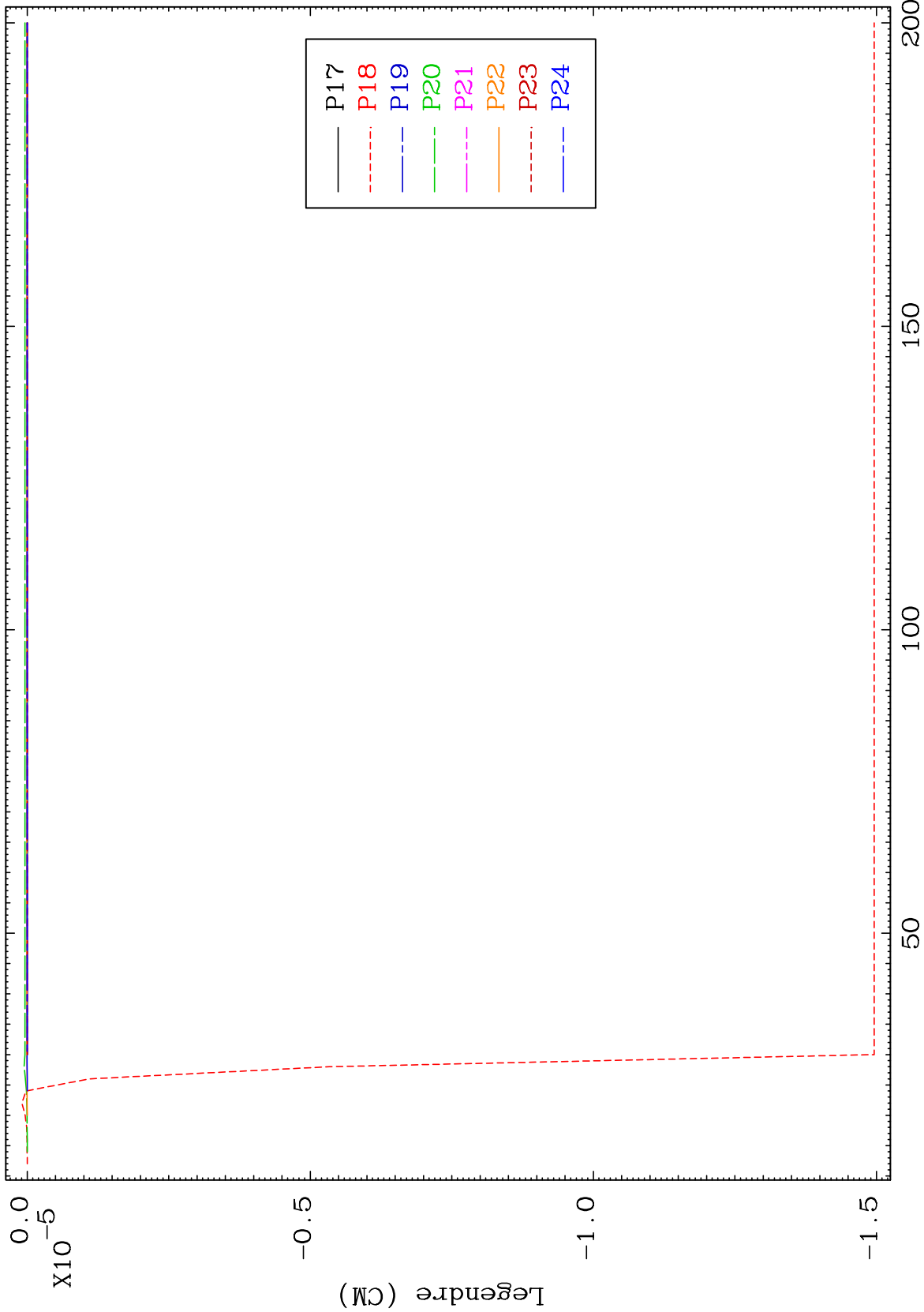
Incident Energy (MeV)

81

MAT 6216

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

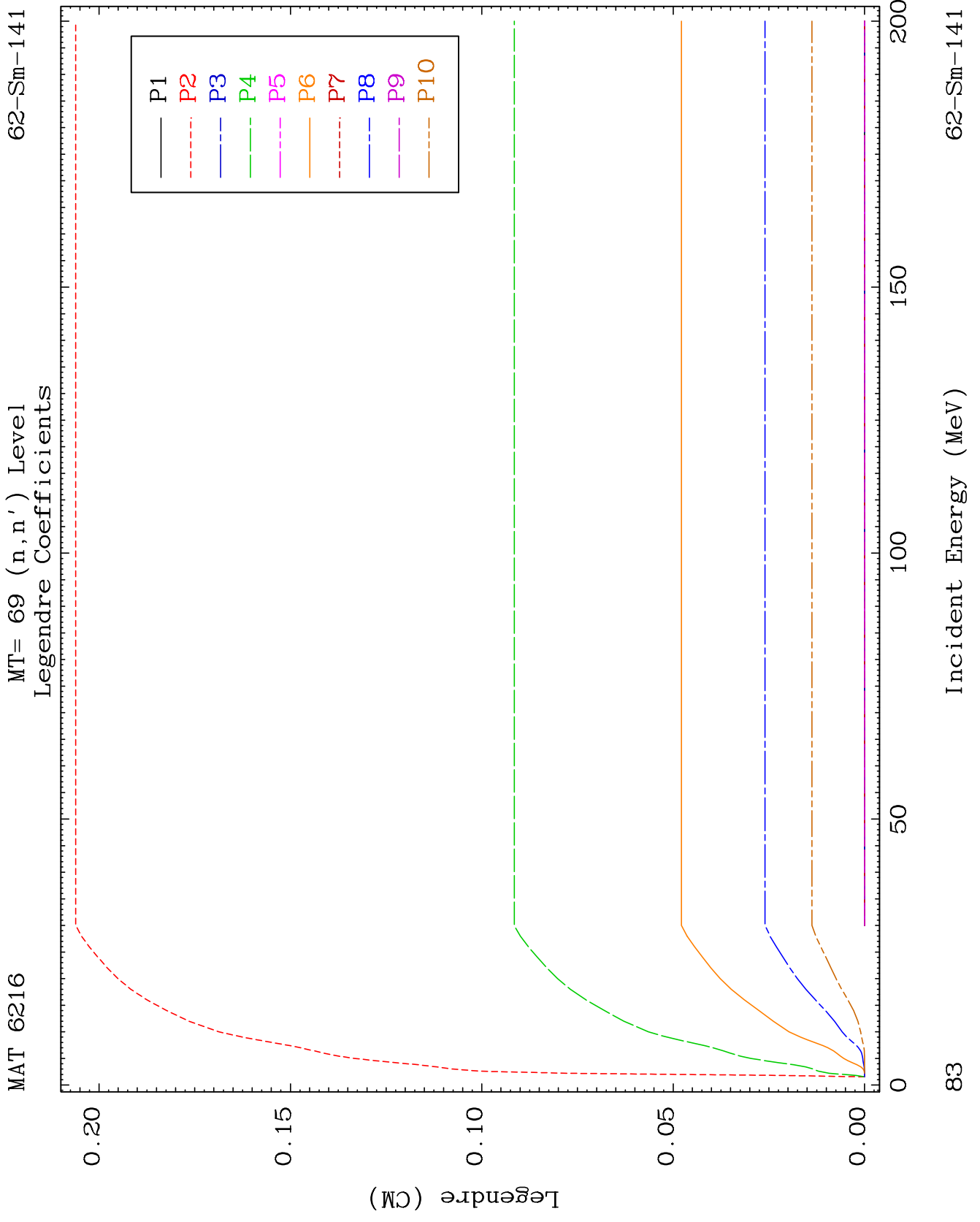
62-Sm-141

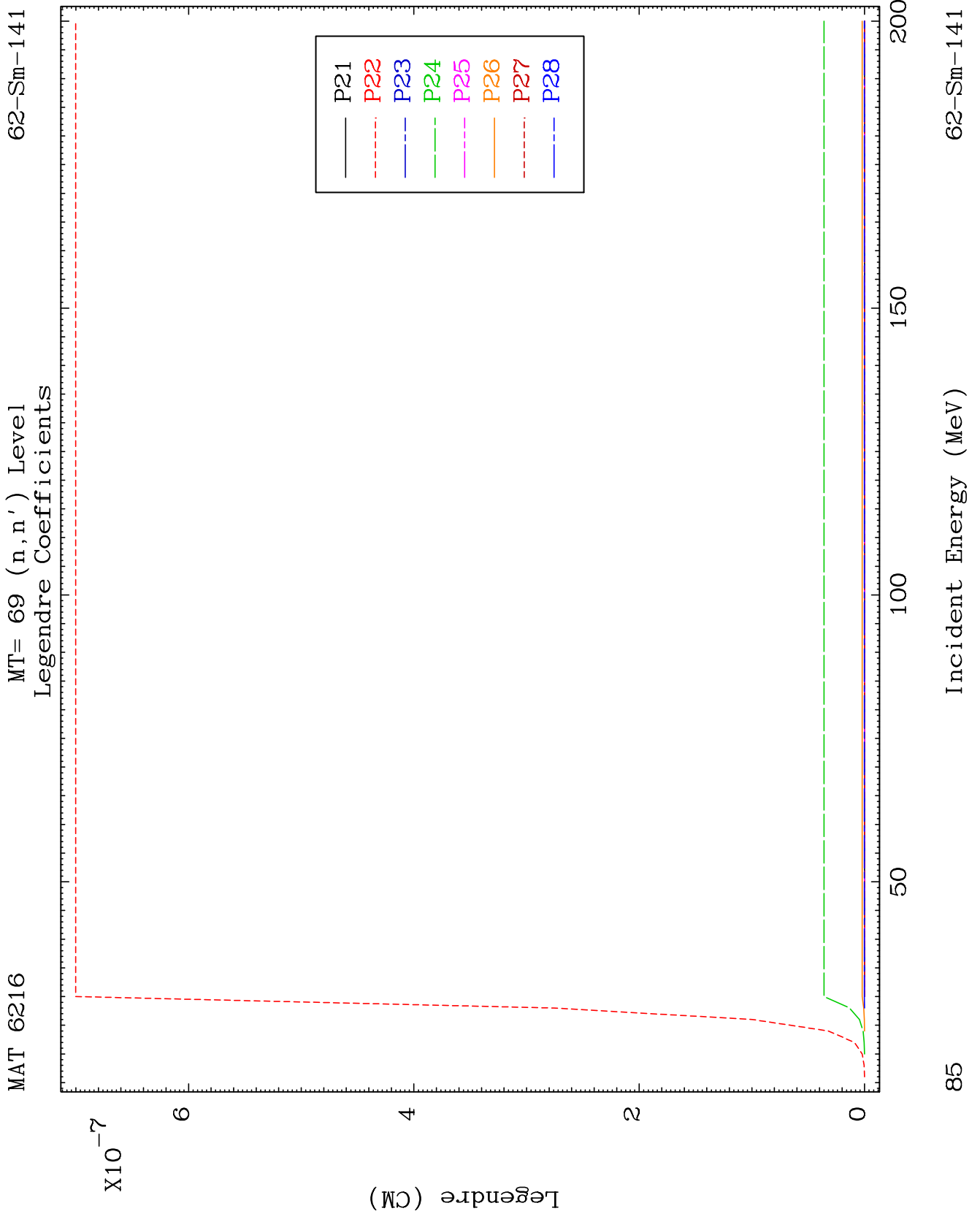


82

Incident Energy (MeV)

62-Sm-141

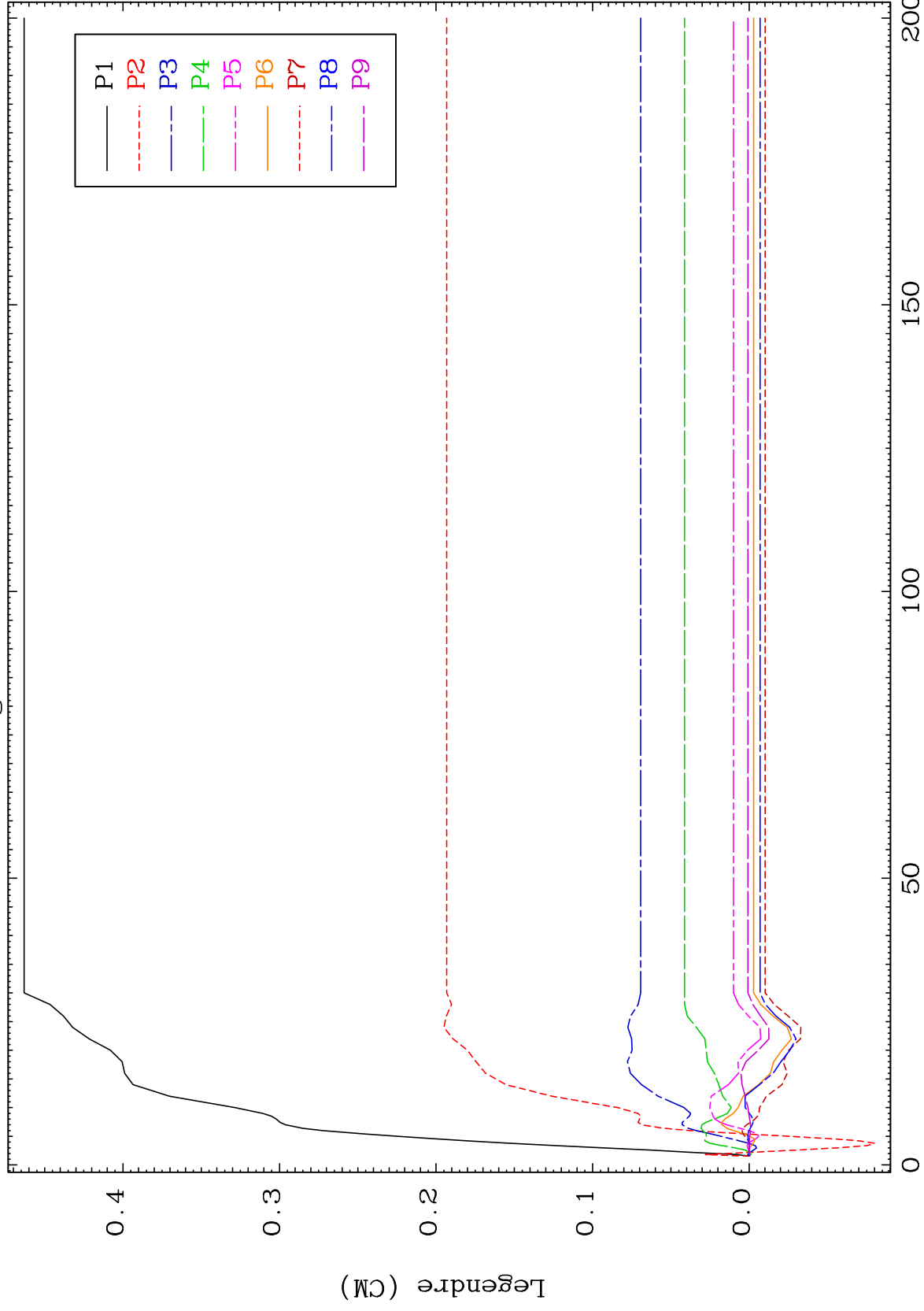




MAT 6216

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

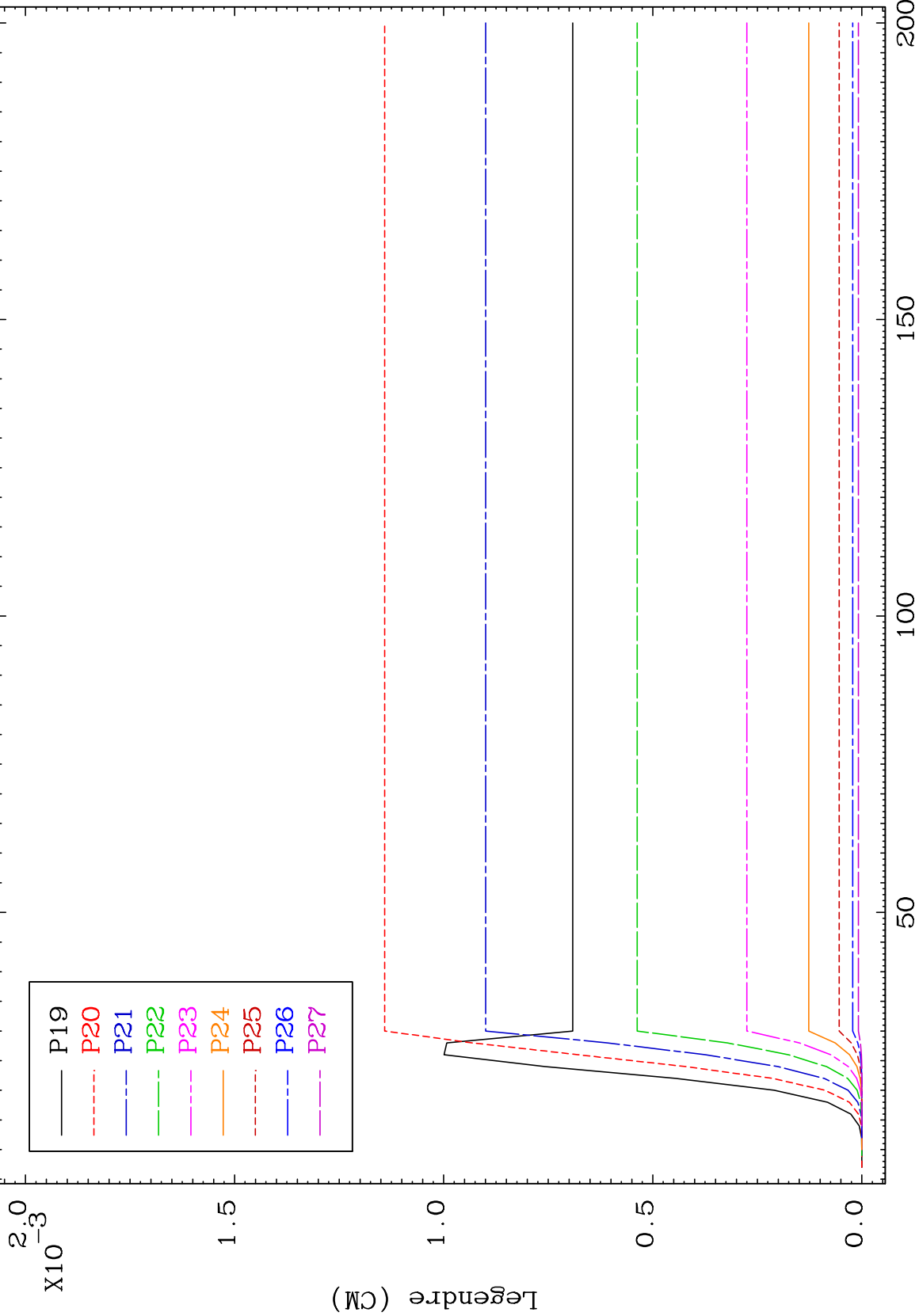
62-Sm-141



86

Incident Energy (MeV)

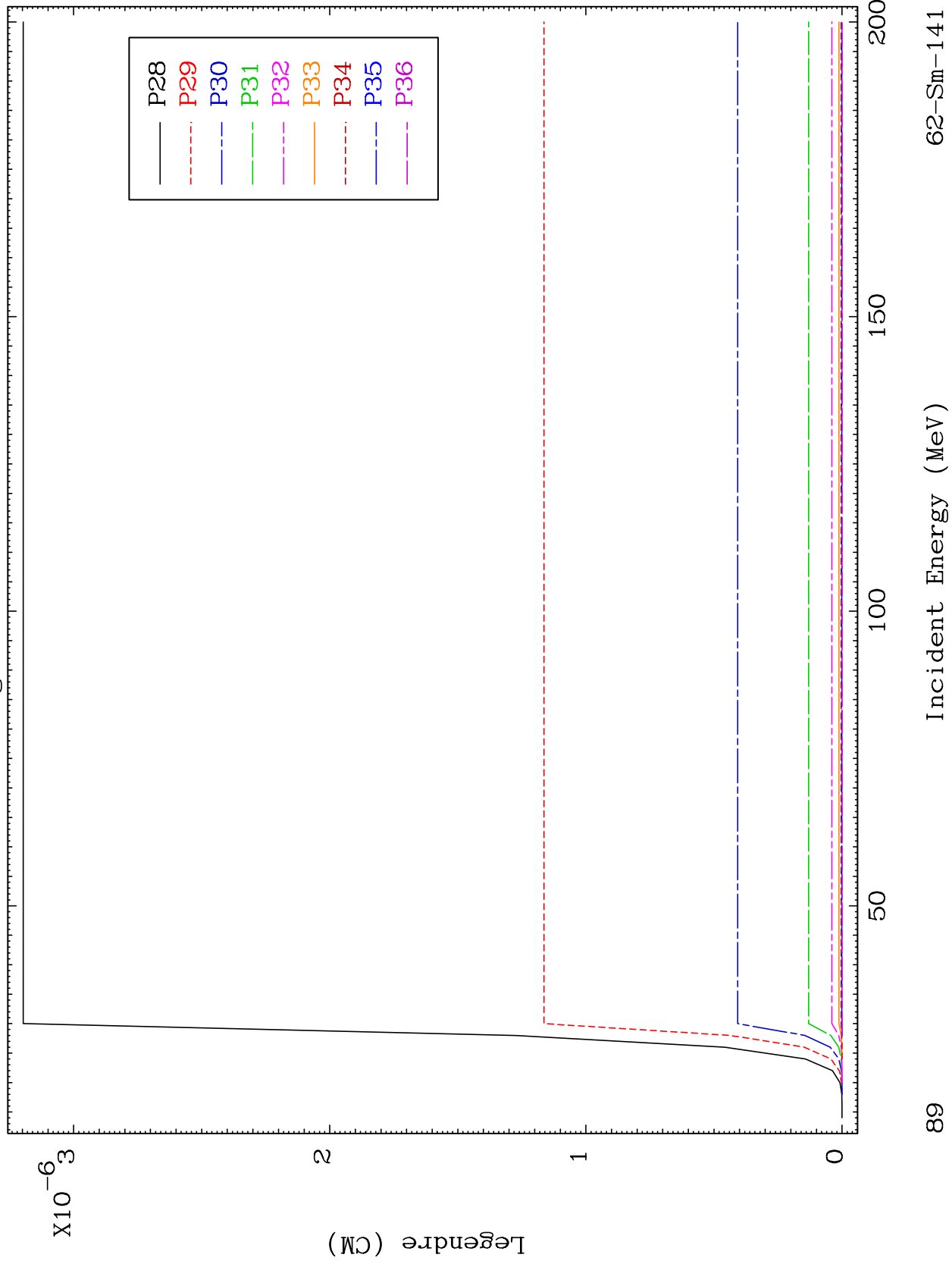
62-Sm-141



MAT 6216

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

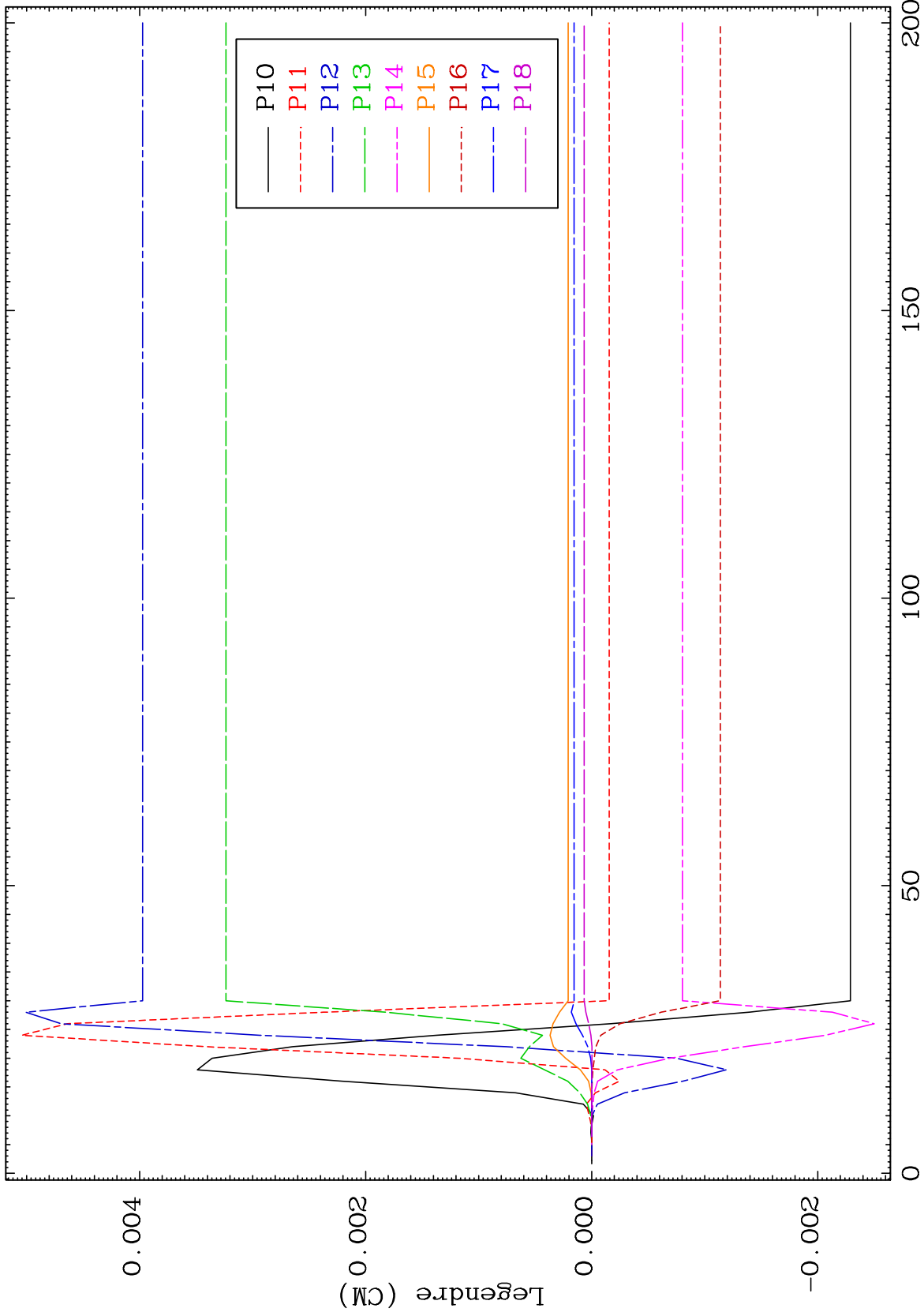
62-Sm-141



MAT 6216

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

62-Sm-141



91

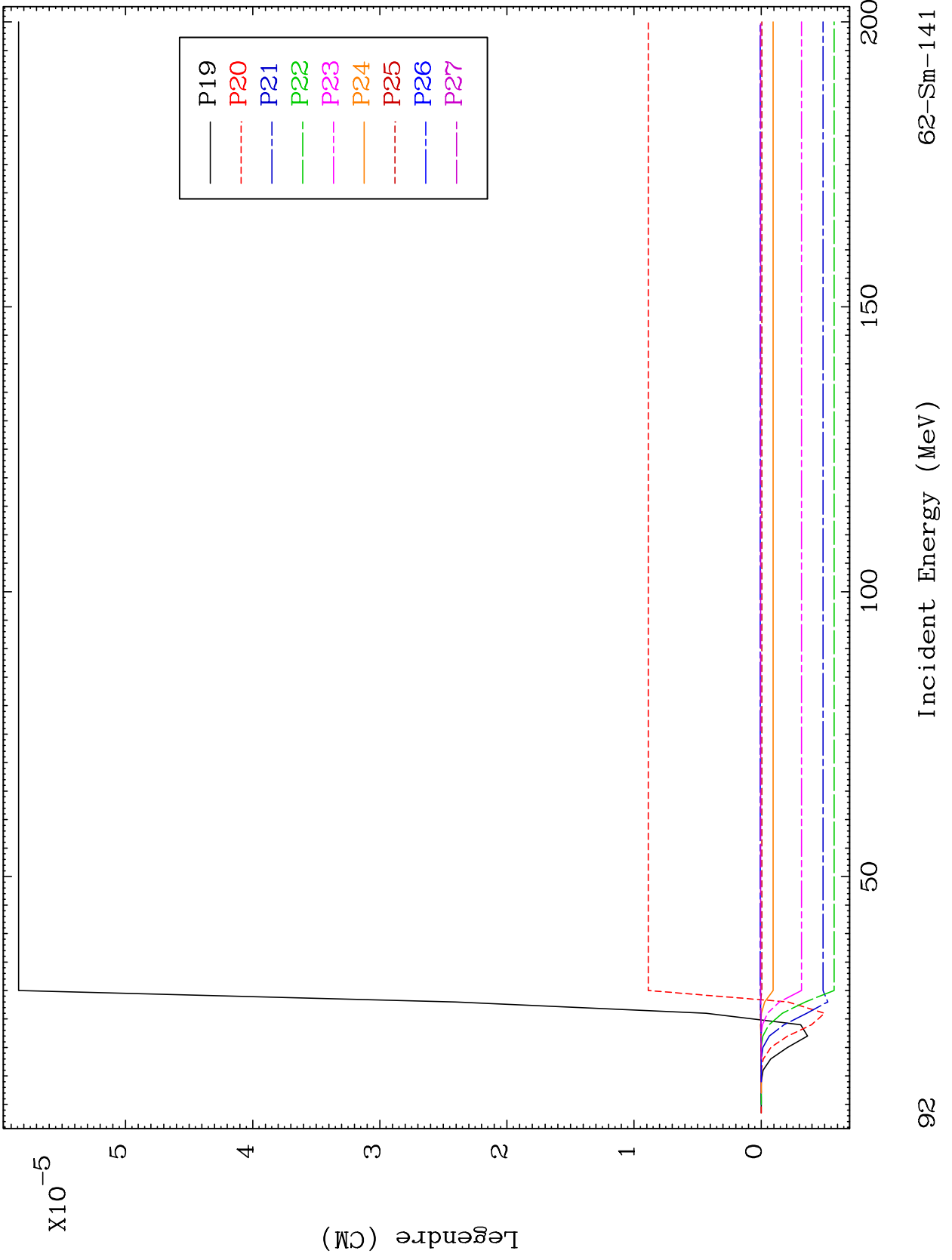
Incident Energy (MeV)

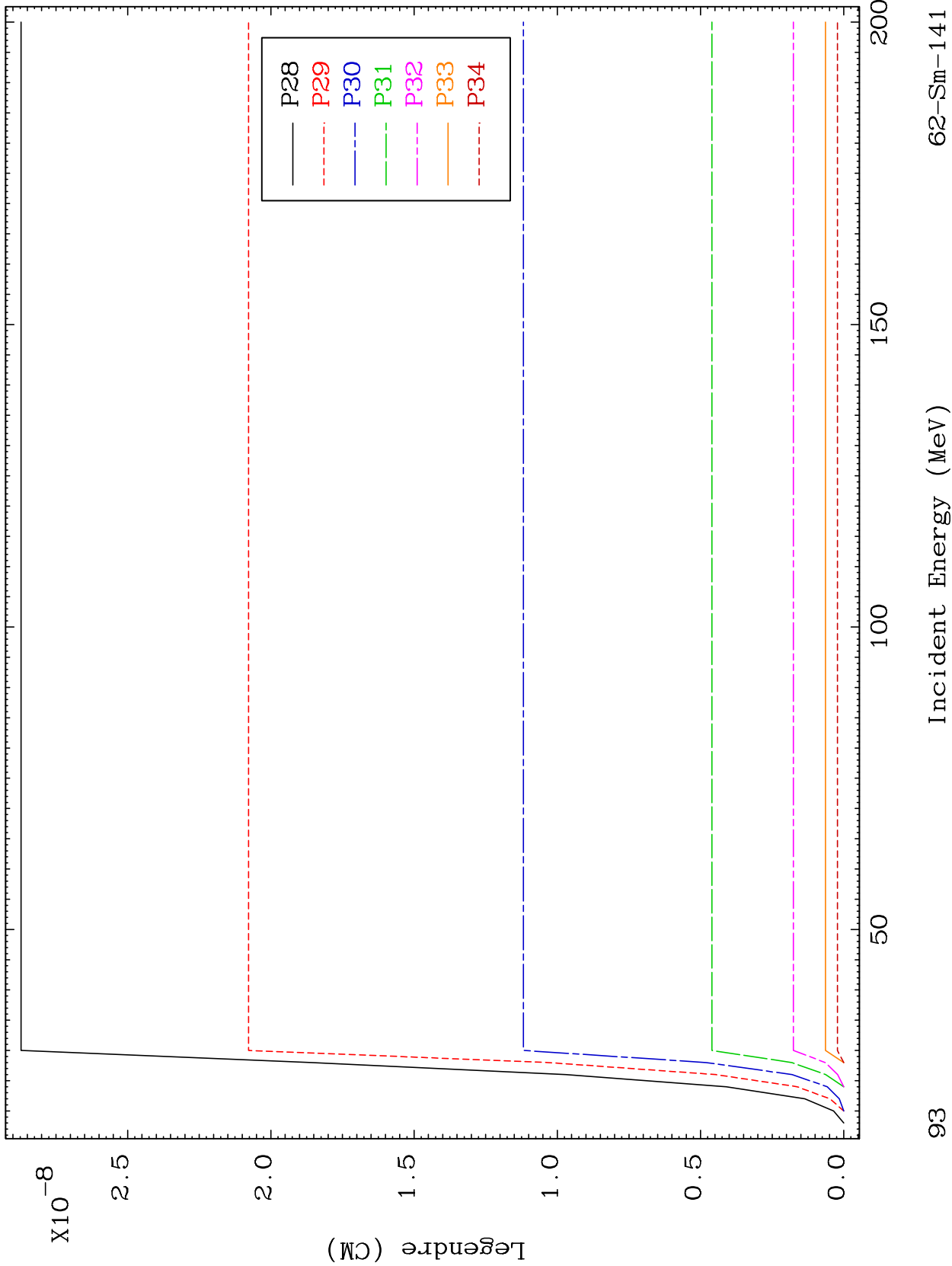
62-Sm-141

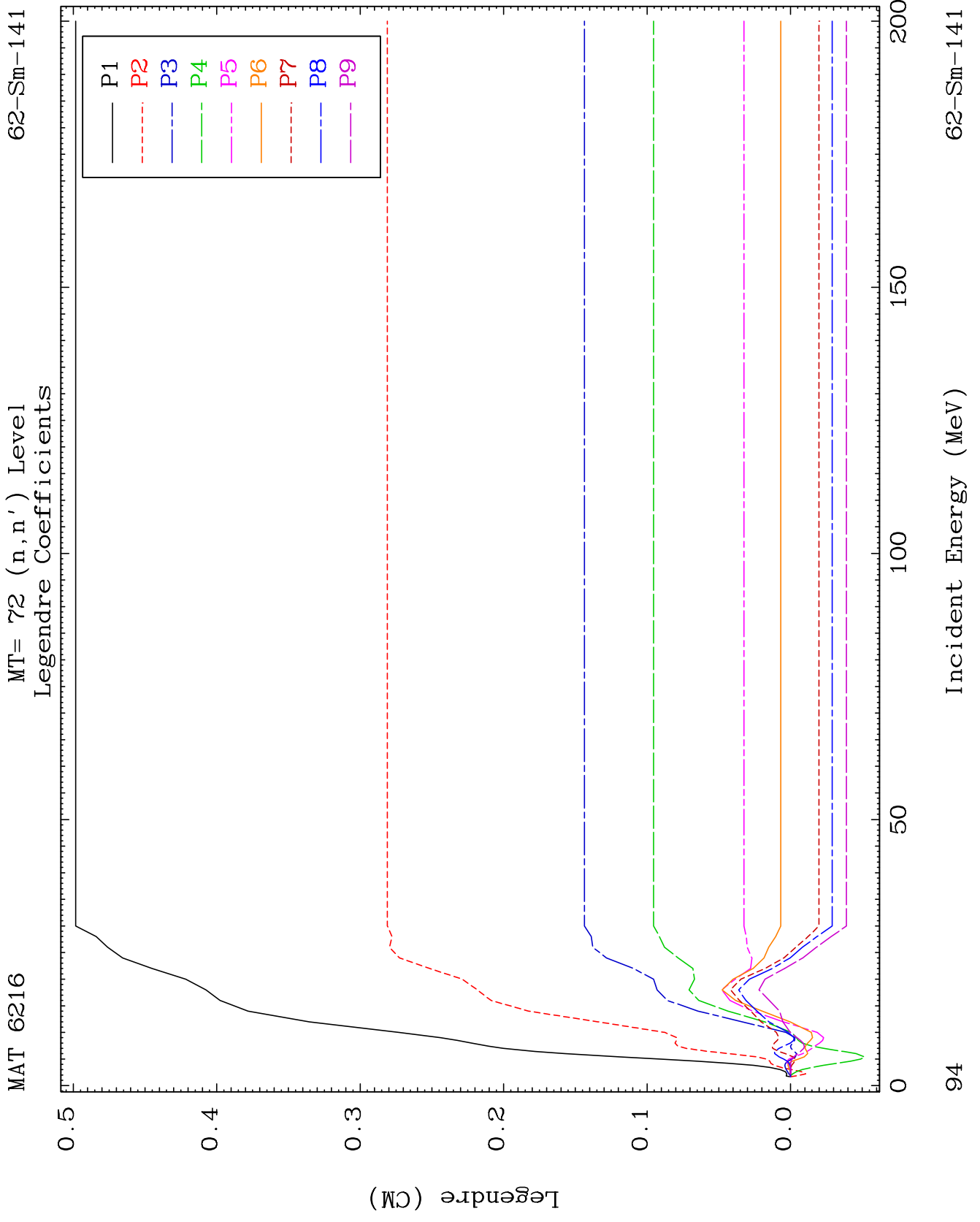
MAT 6216

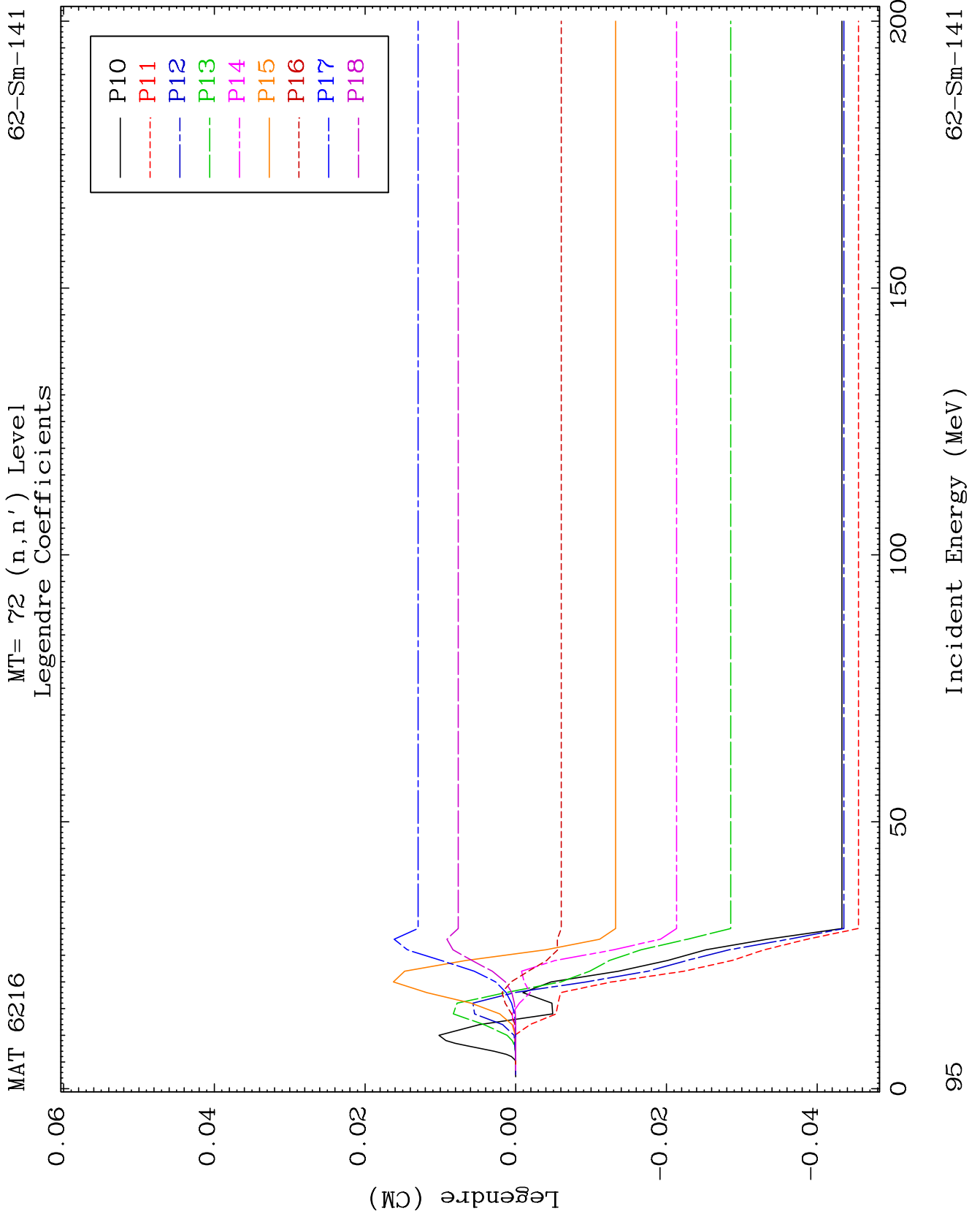
MT= 71 (n,n') Level
Legendre Coefficients

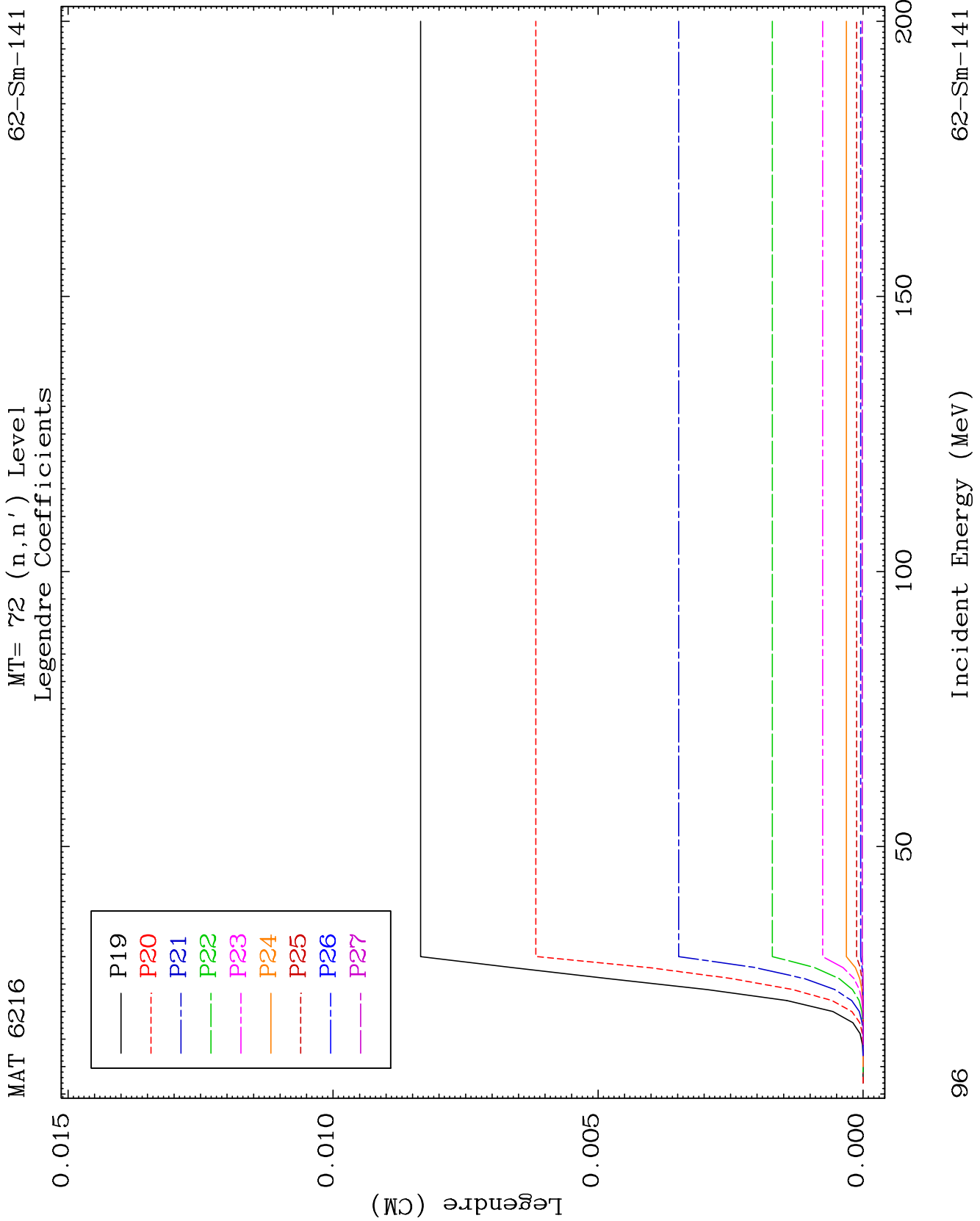
62-Sm-141







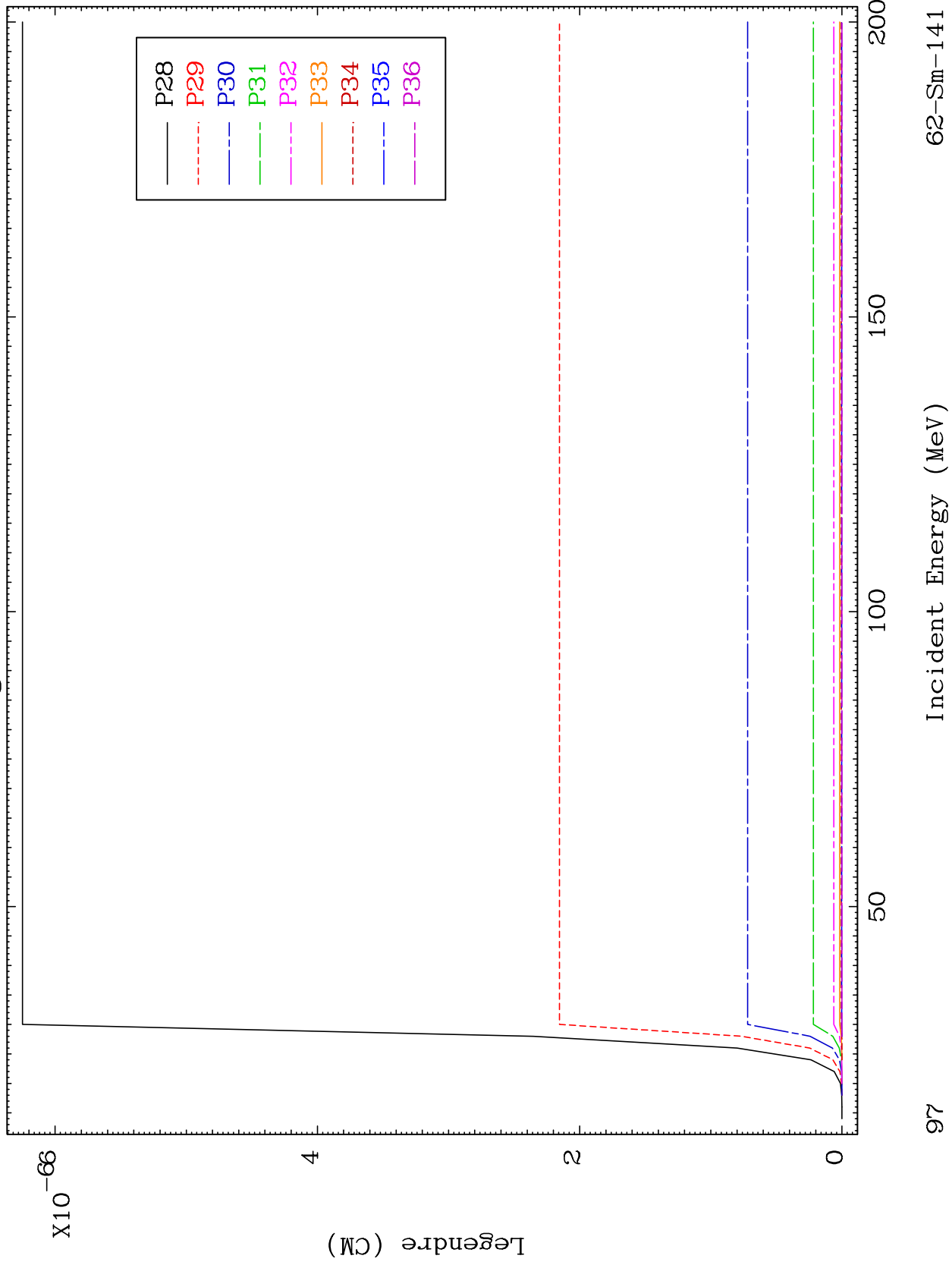




MAT 6216

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

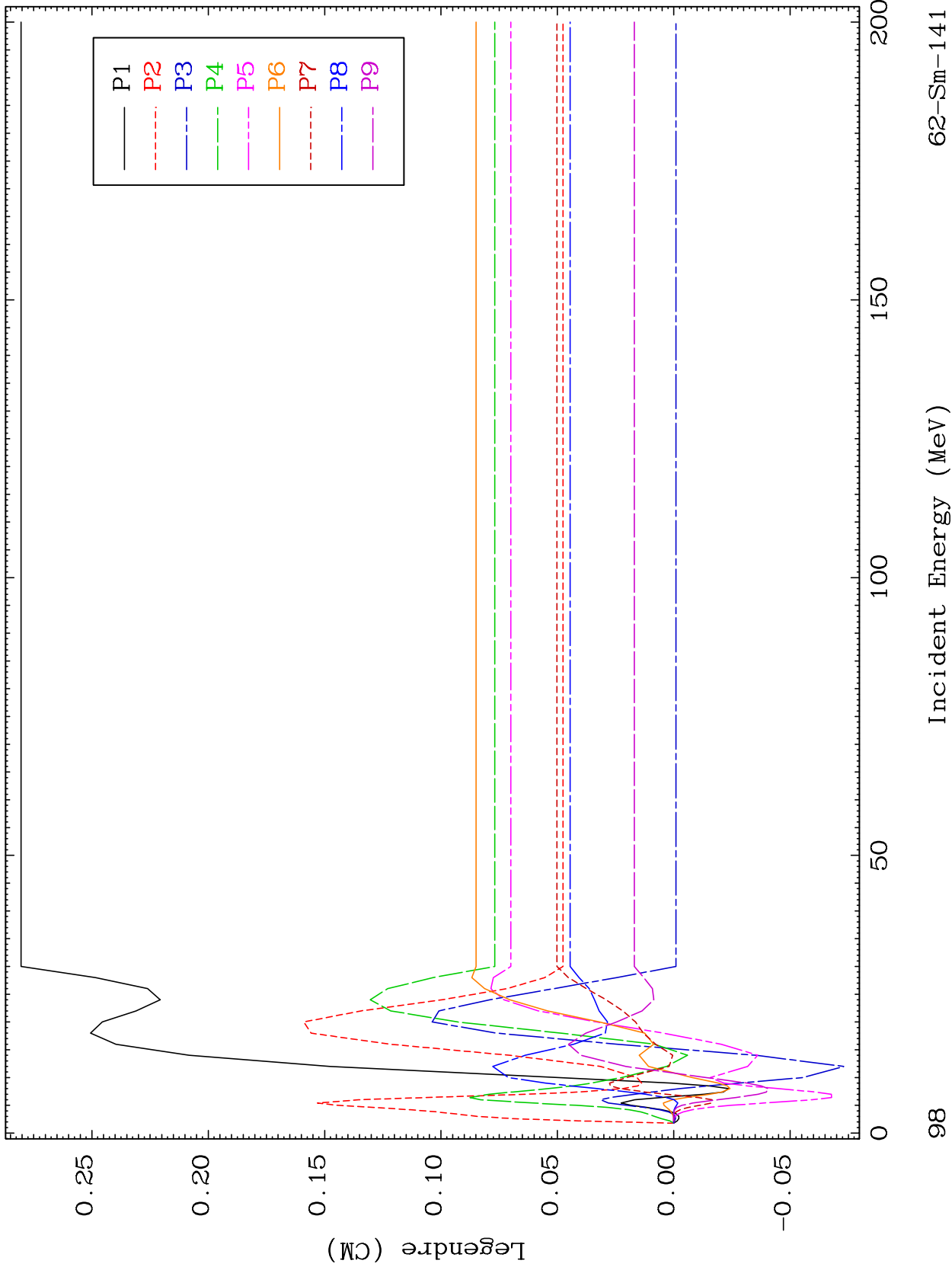
62-Sm-141



MAT 6216

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

62-Sm-141



62-Sm-141

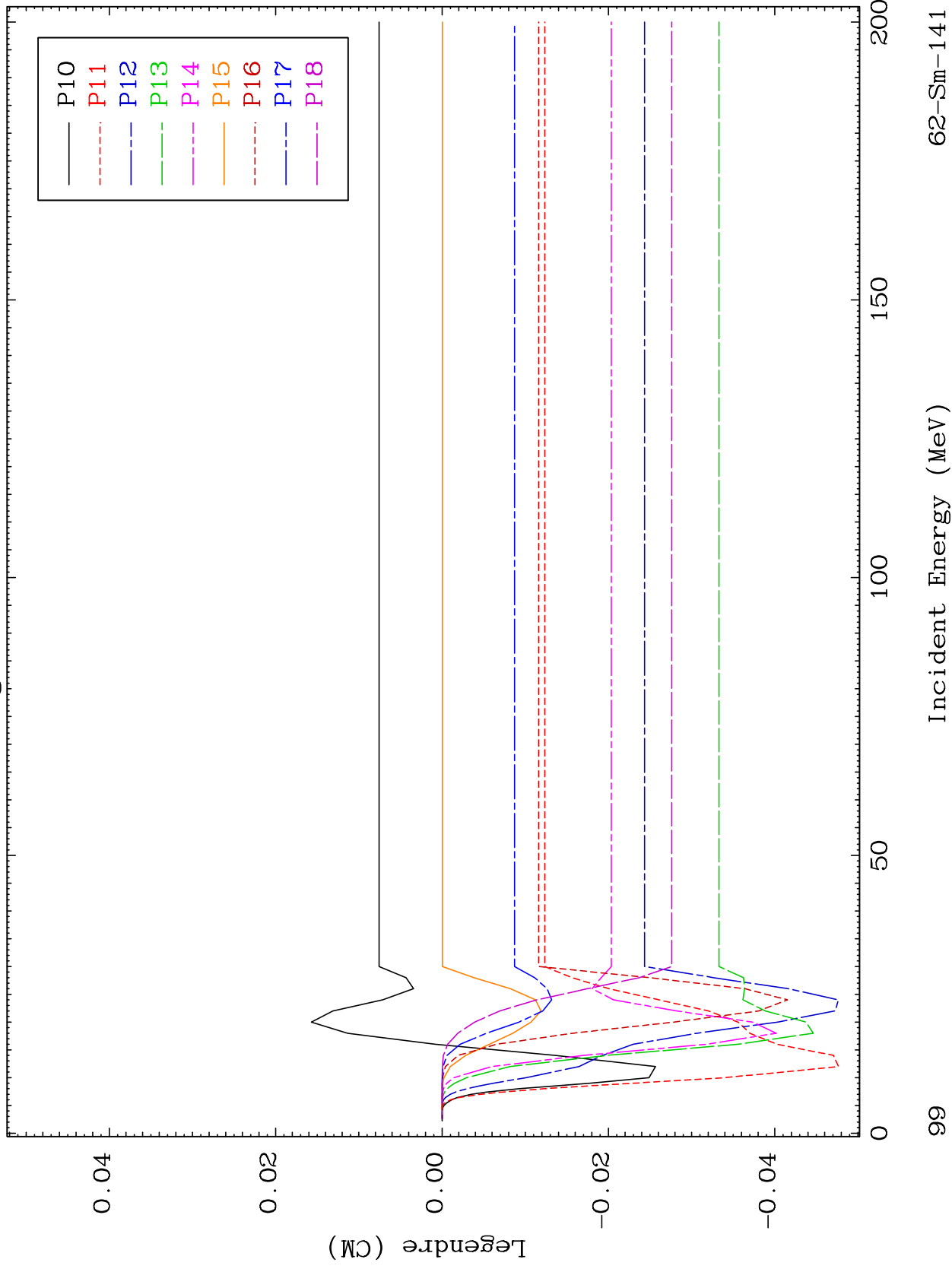
Incident Energy (MeV)

98

MAT 6216

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

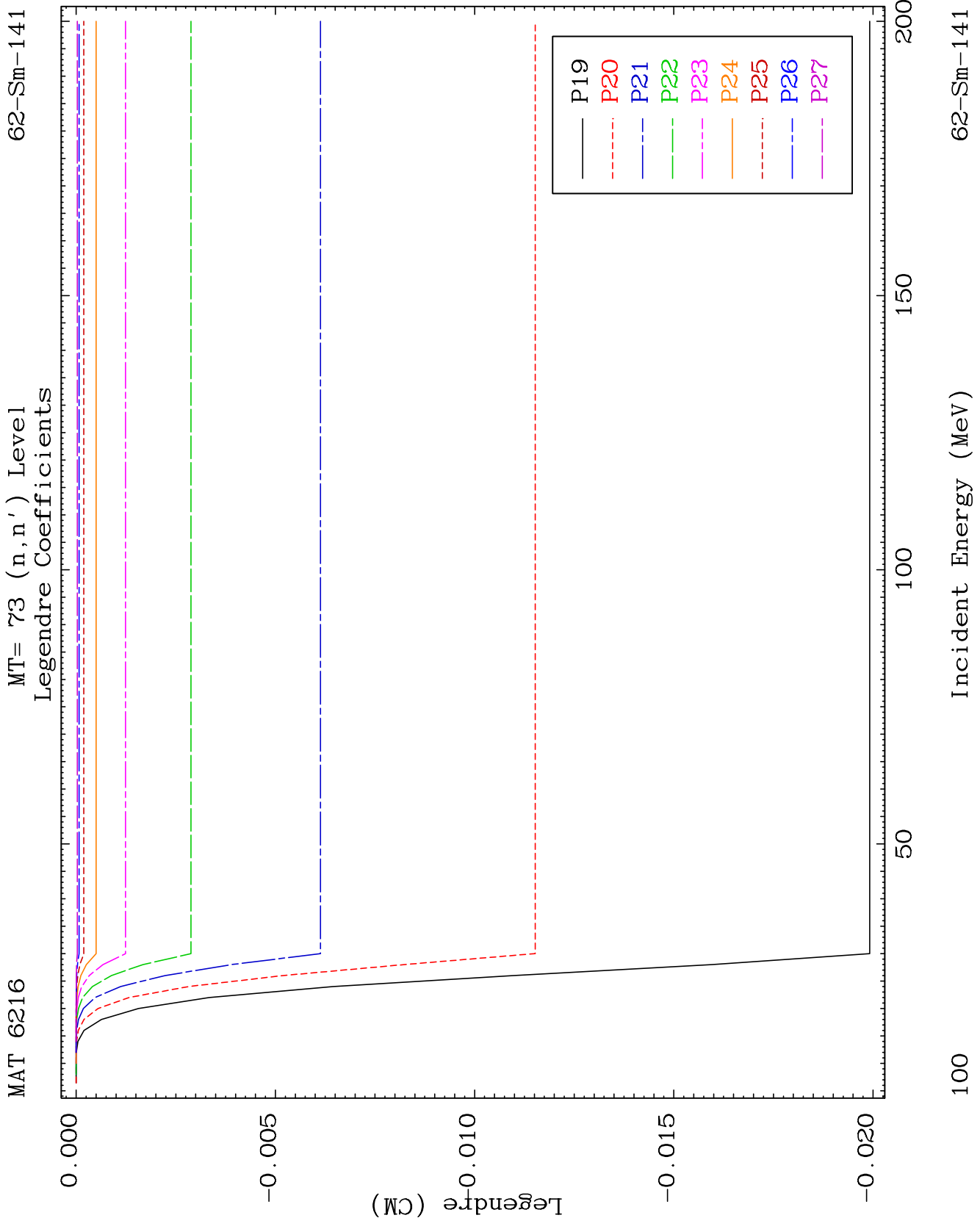
62-Sm-141

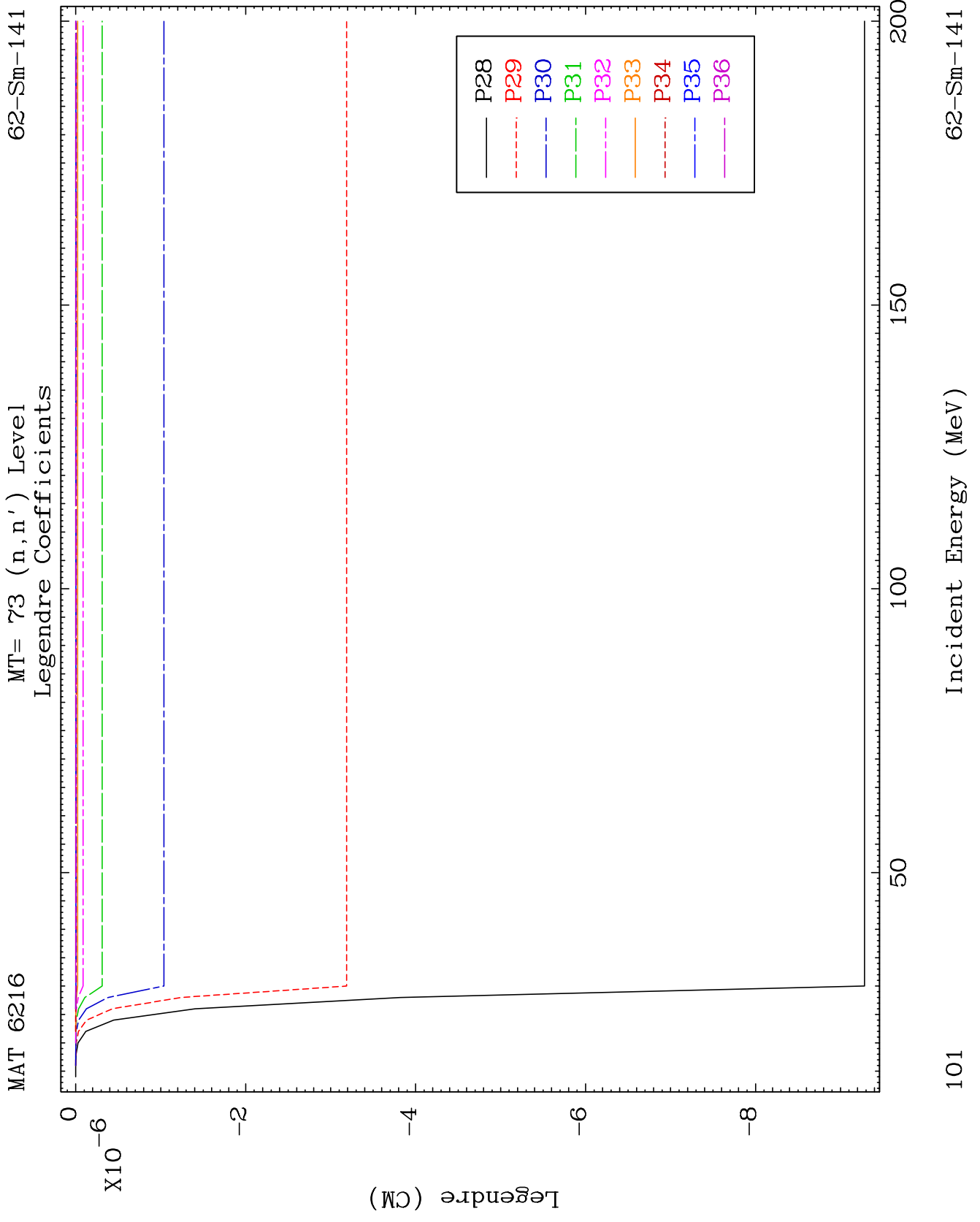


62-Sm-141

Incident Energy (MeV)

99

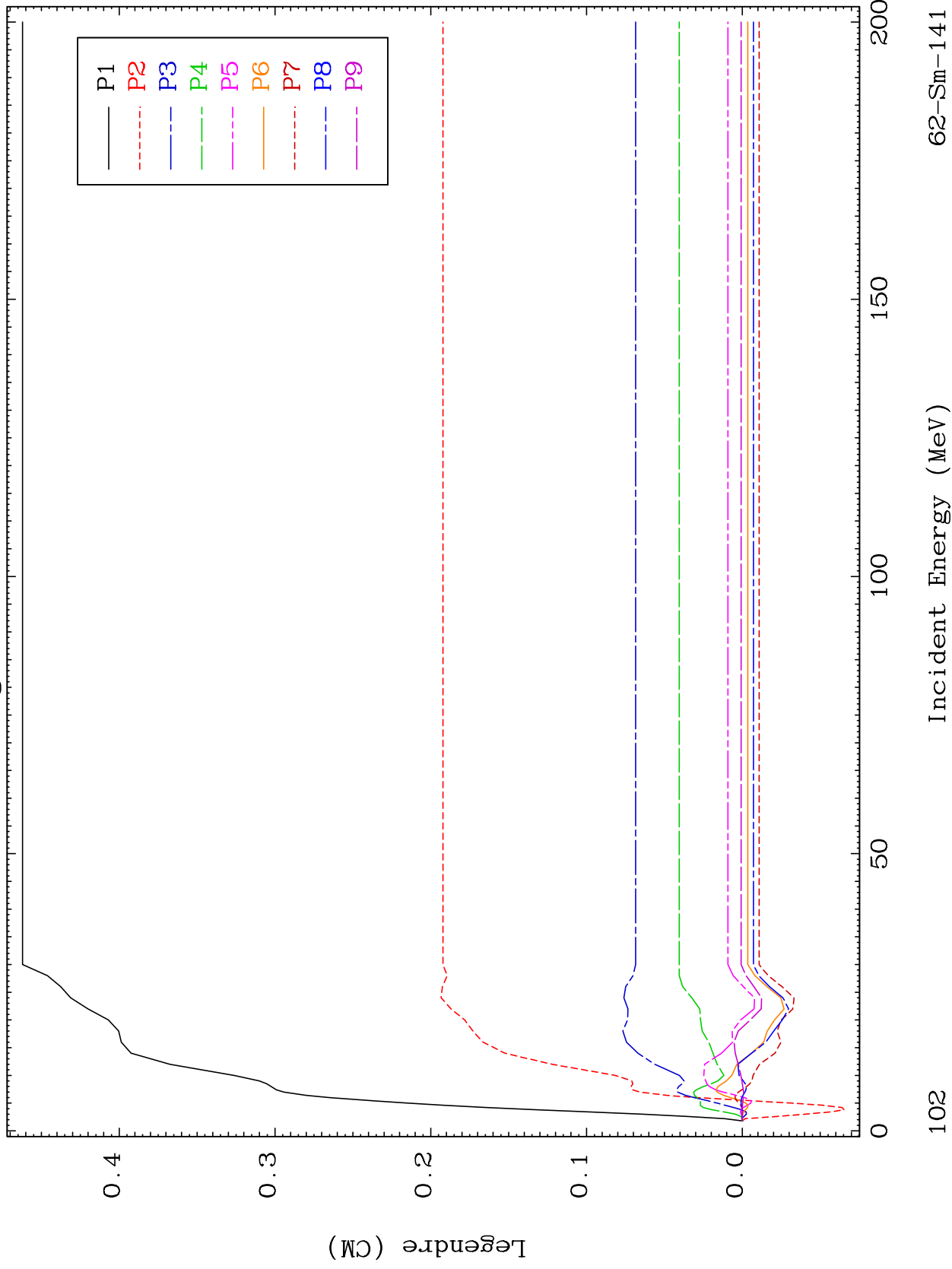




MAT 6216

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

62-Sm-141



62-Sm-141

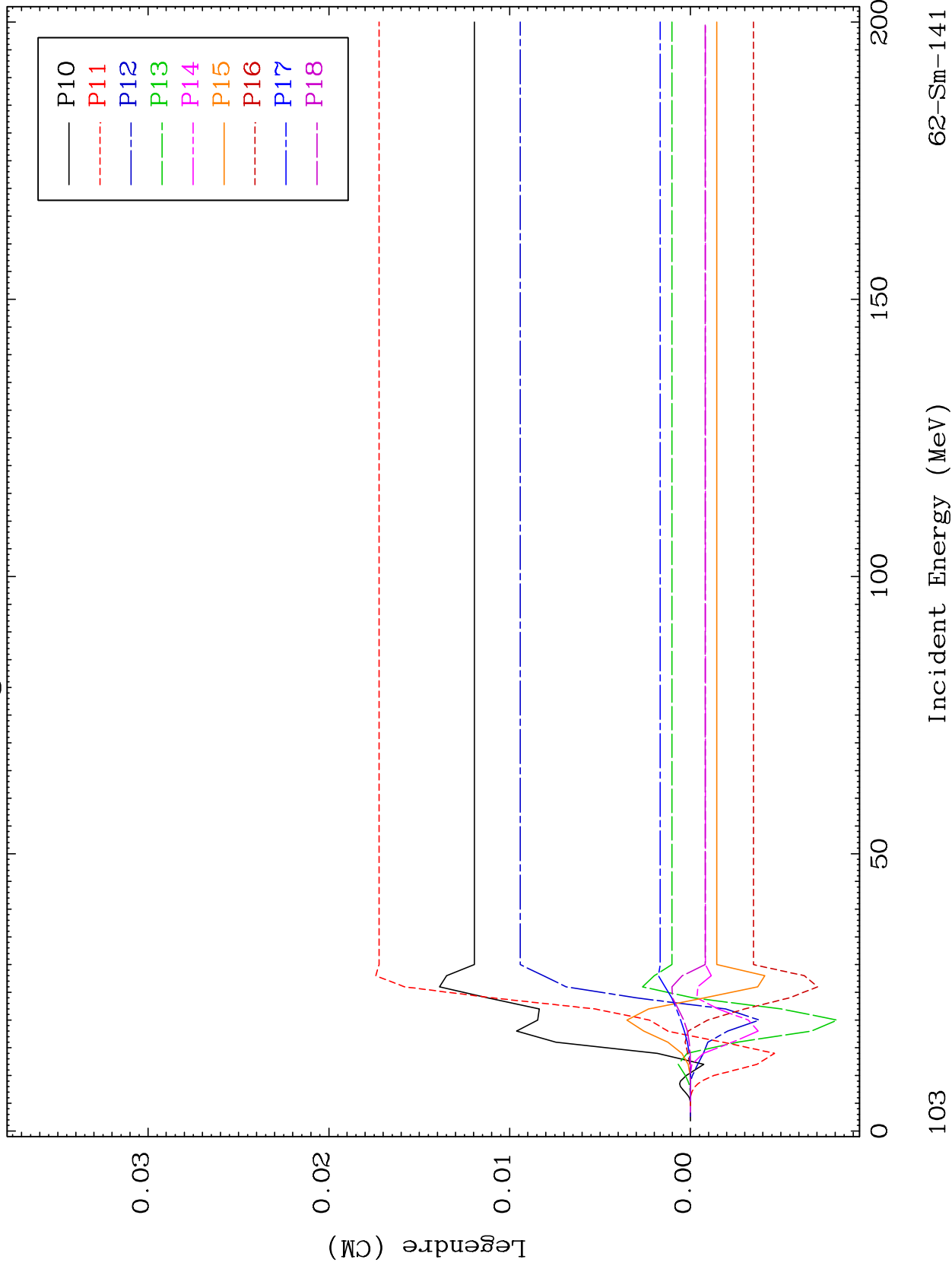
Incident Energy (MeV)

102

MAT 6216

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

62-Sm-141



62-Sm-141

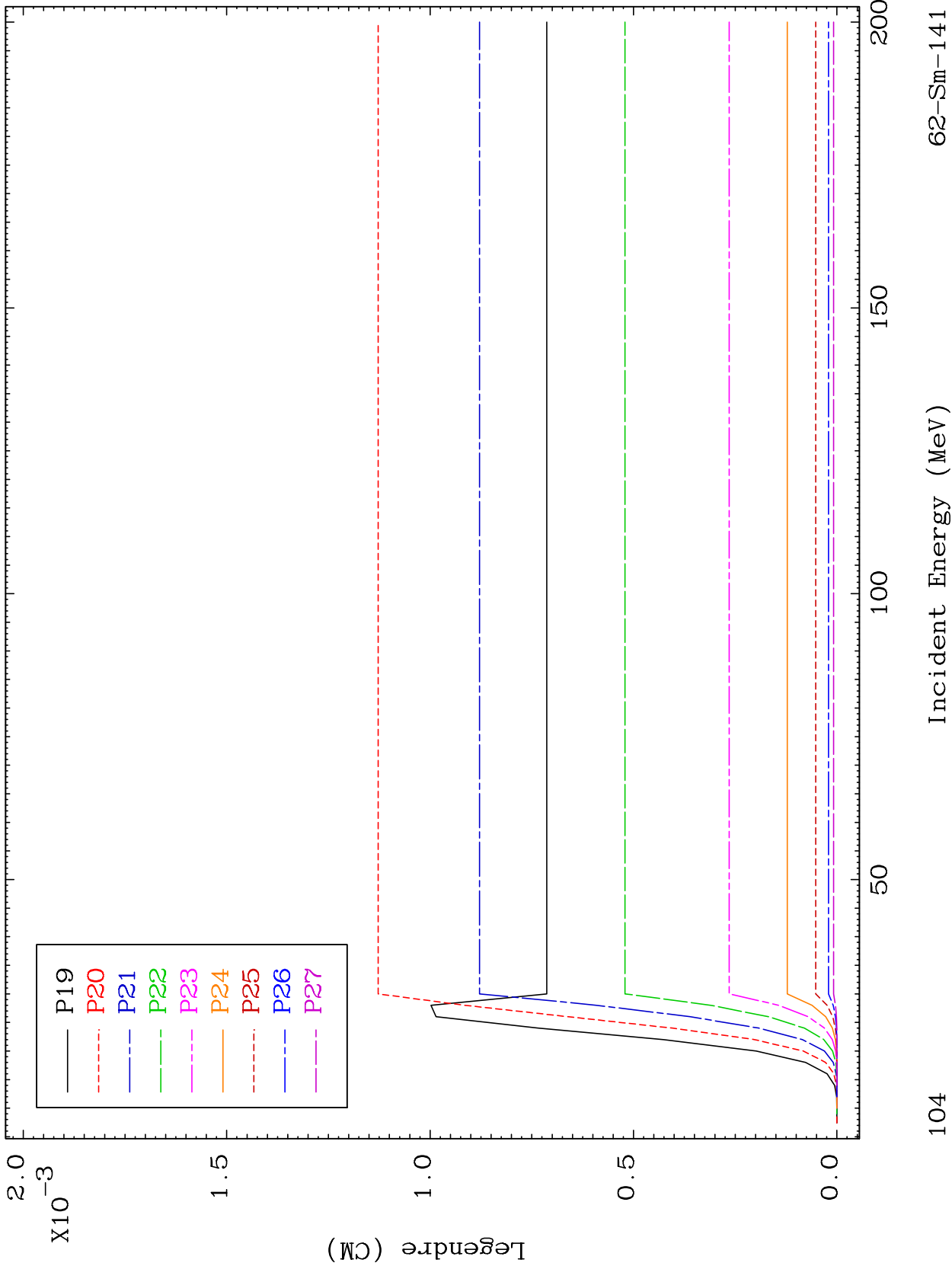
Incident Energy (MeV)

103

MAT 6216

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

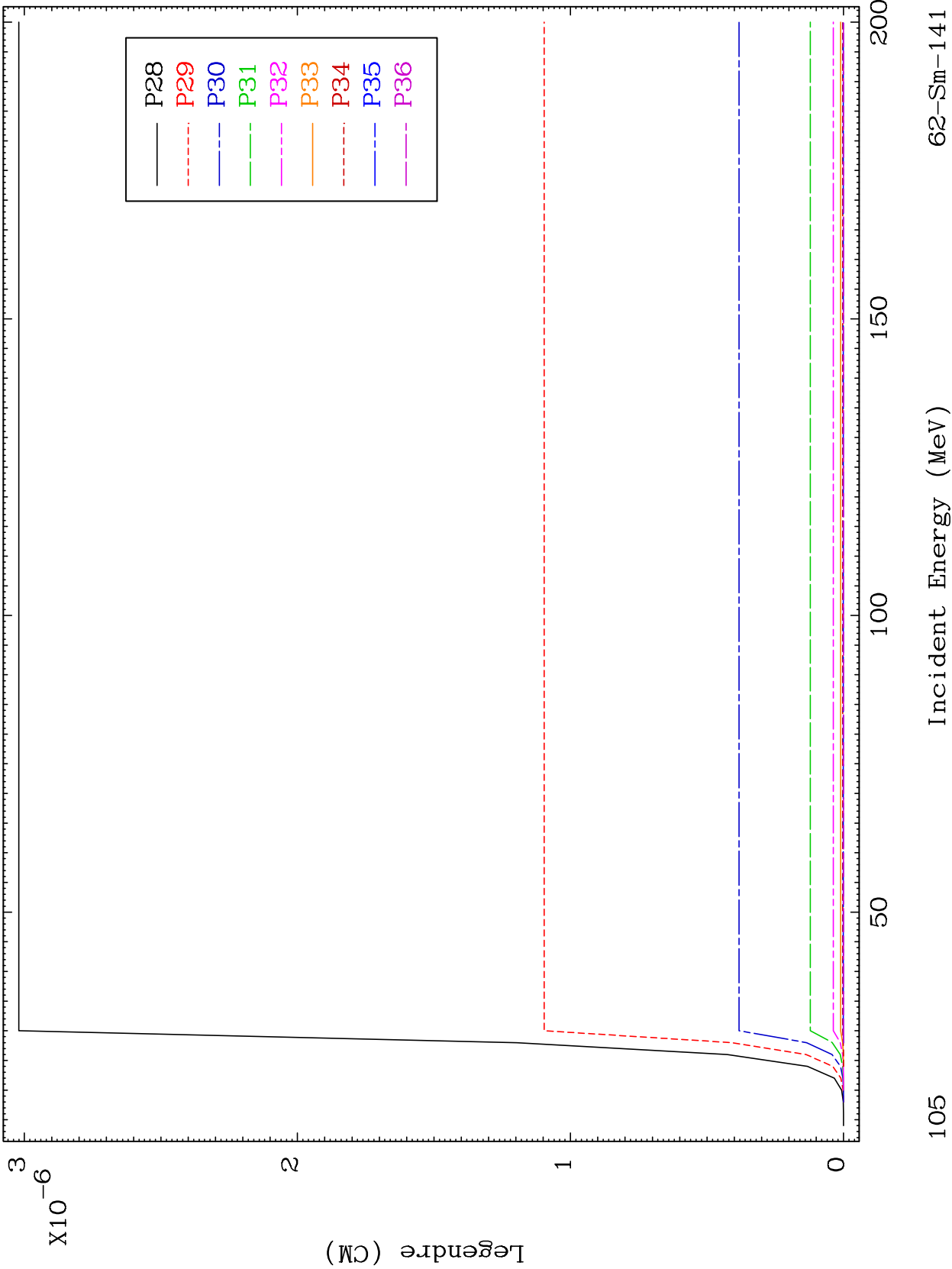
62-Sm-141

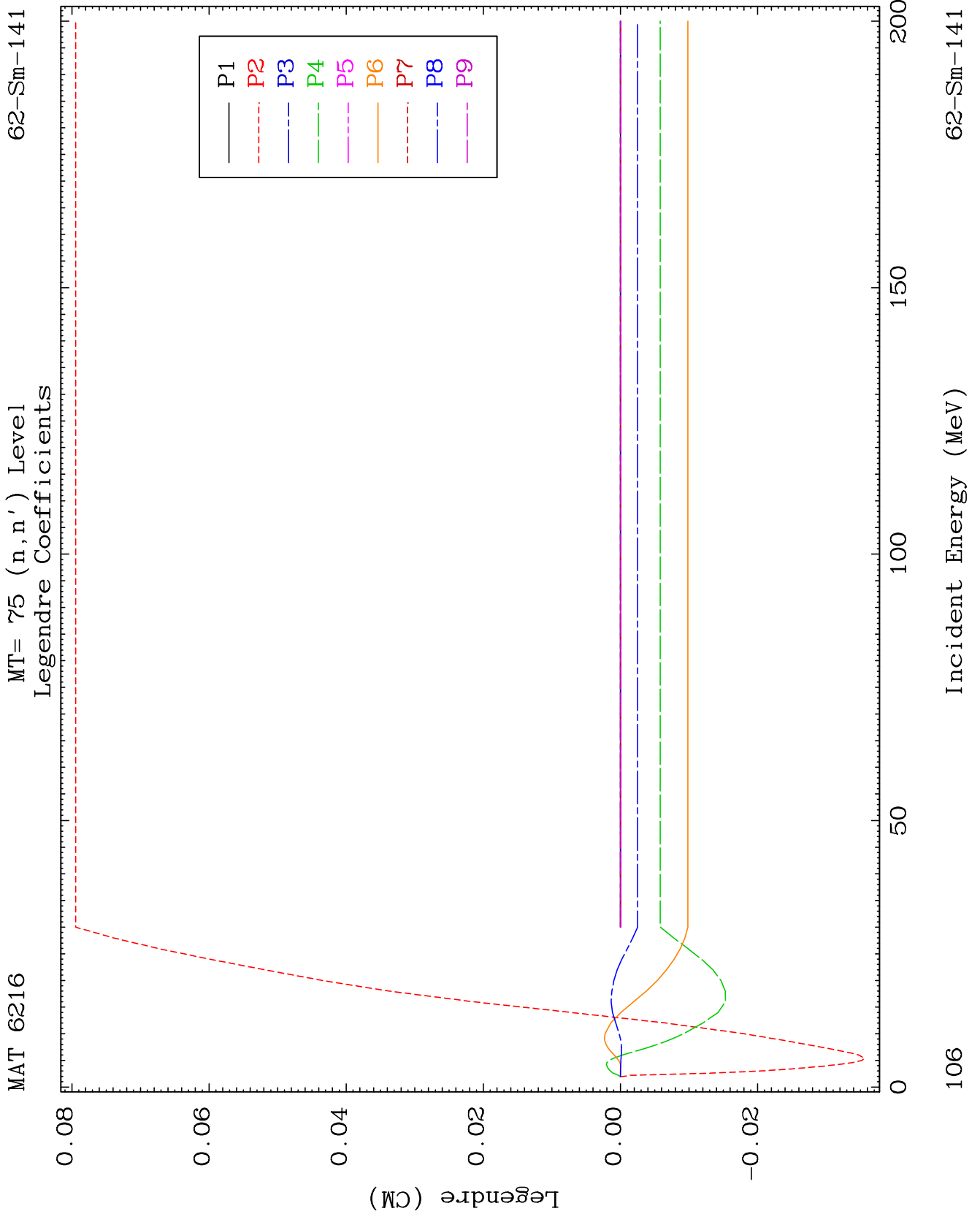


MAT 6216

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

62-Sm-141

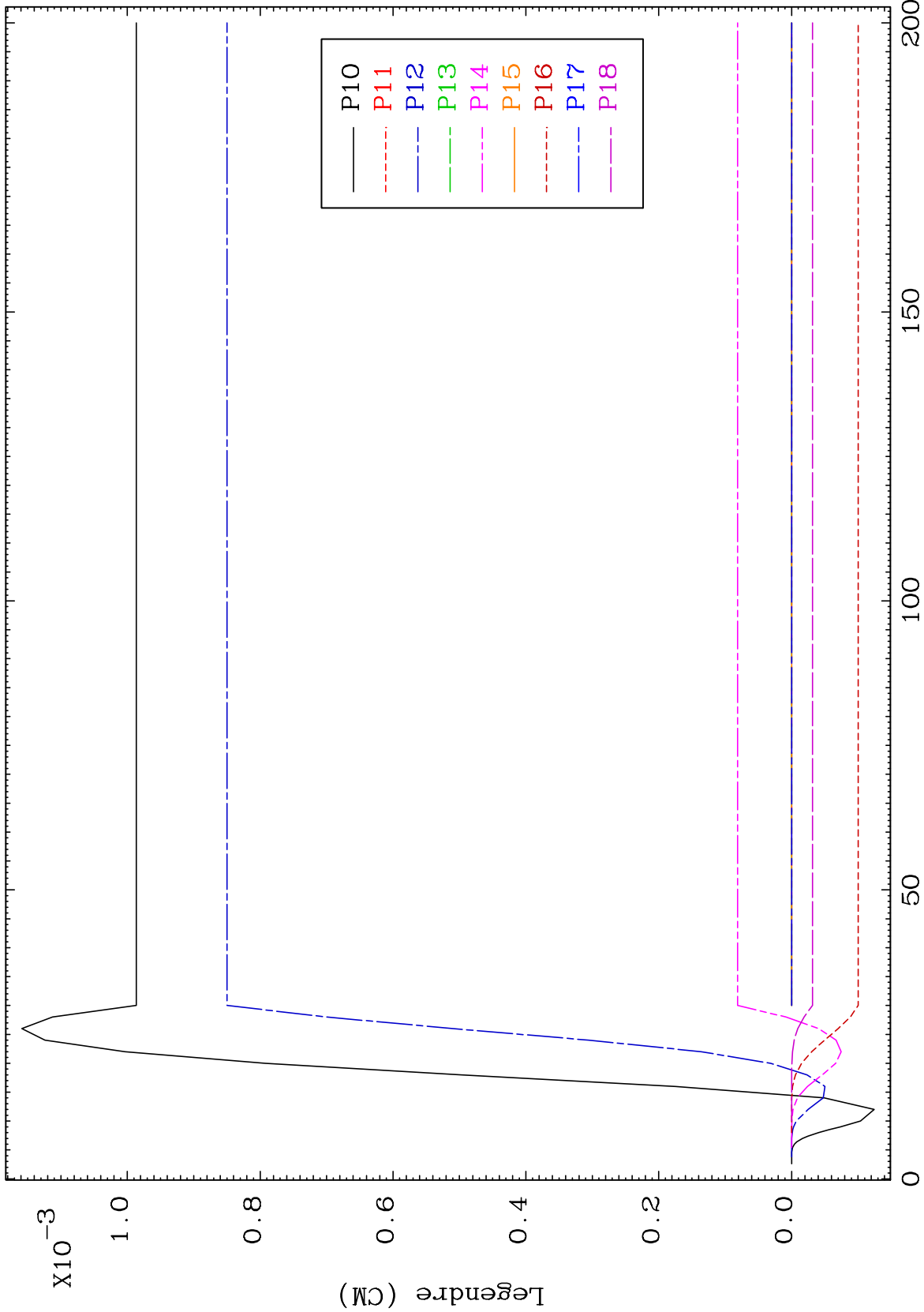




MAT 6216

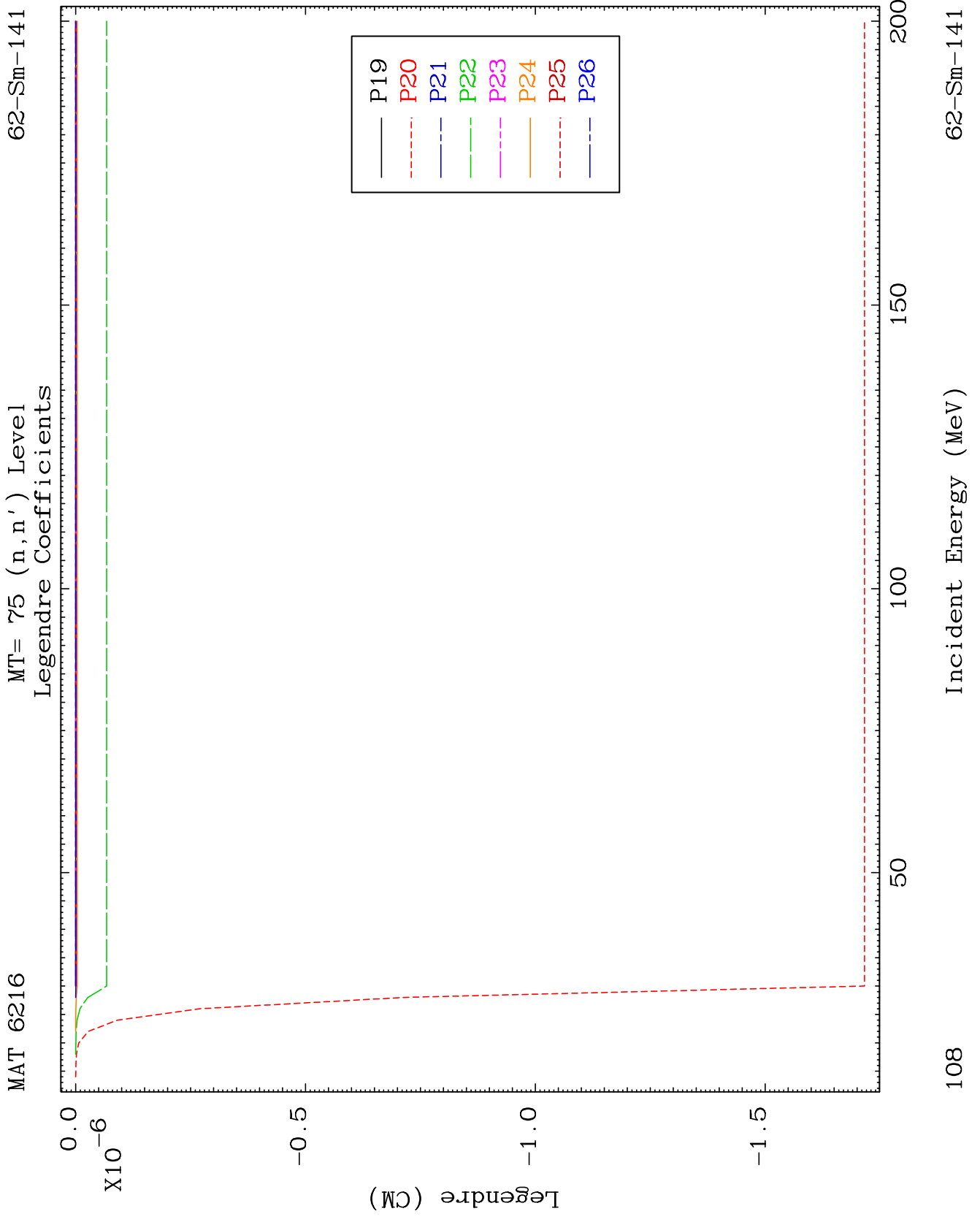
MT= 75 (n,n') Level
Legendre Coefficients

62-Sm-141



107

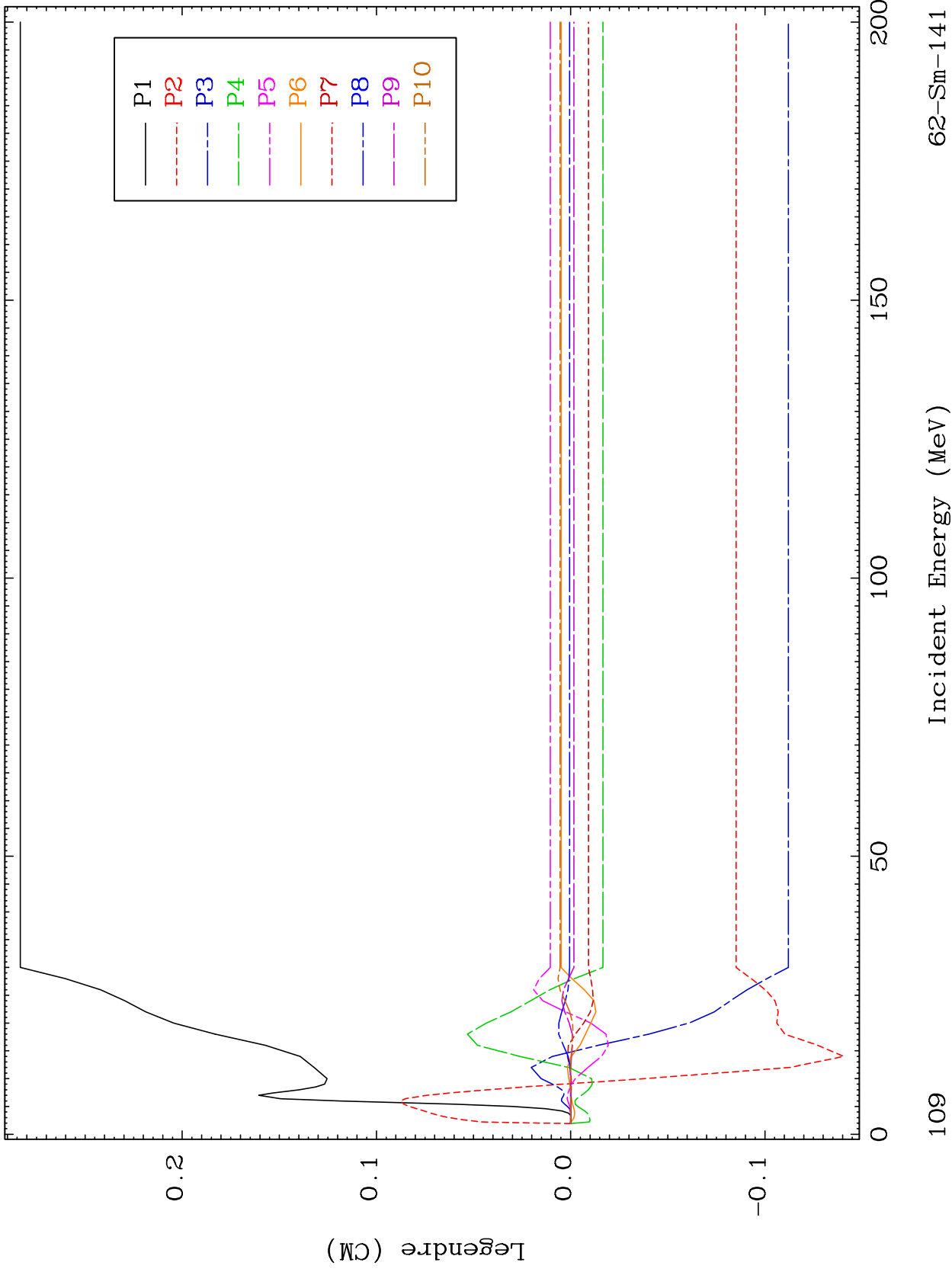
62-Sm-141



MAT 6216

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

62-Sm-141



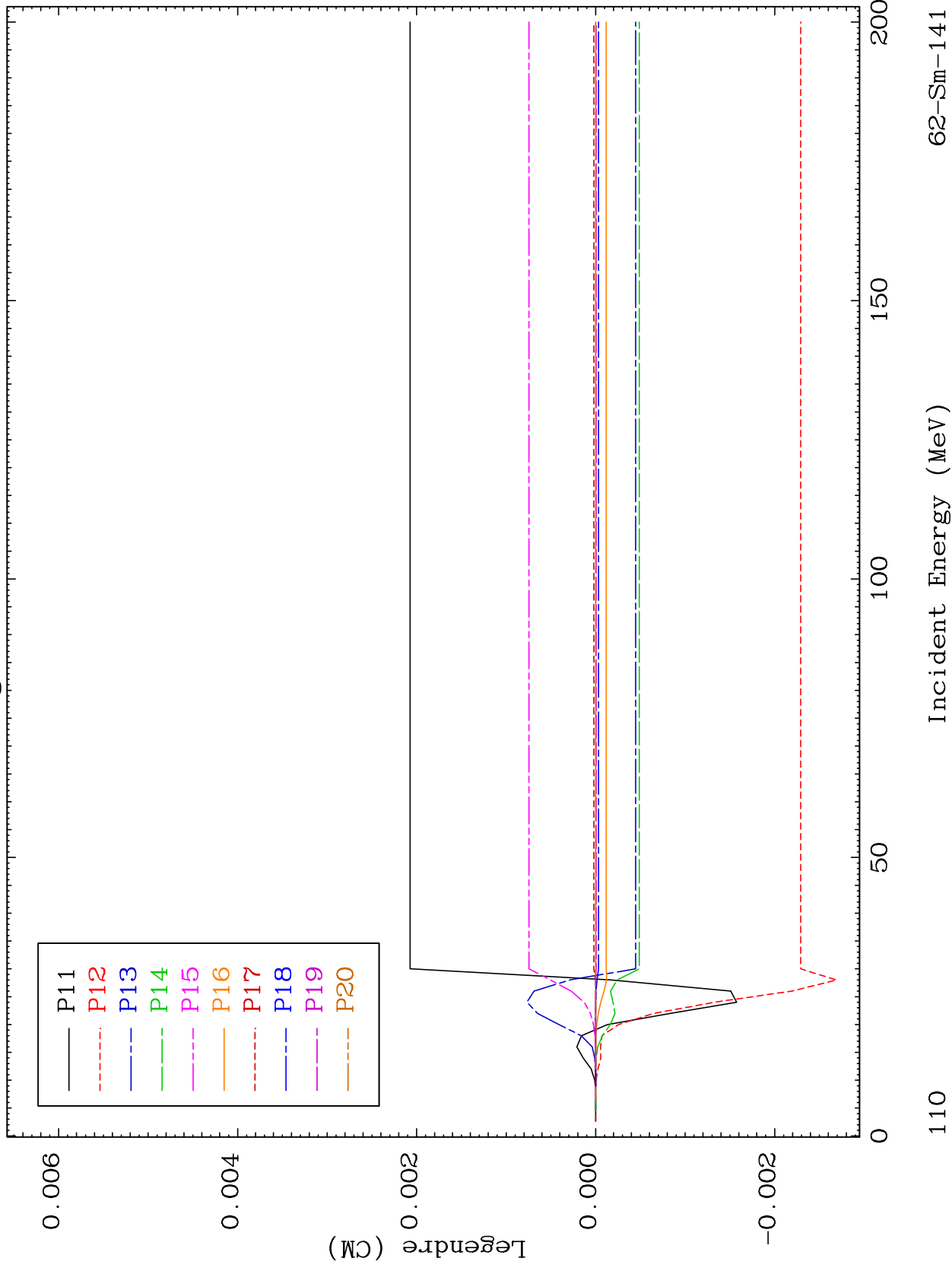
109

62-Sm-141

MAT 6216

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

62-Sm-141



62-Sm-141

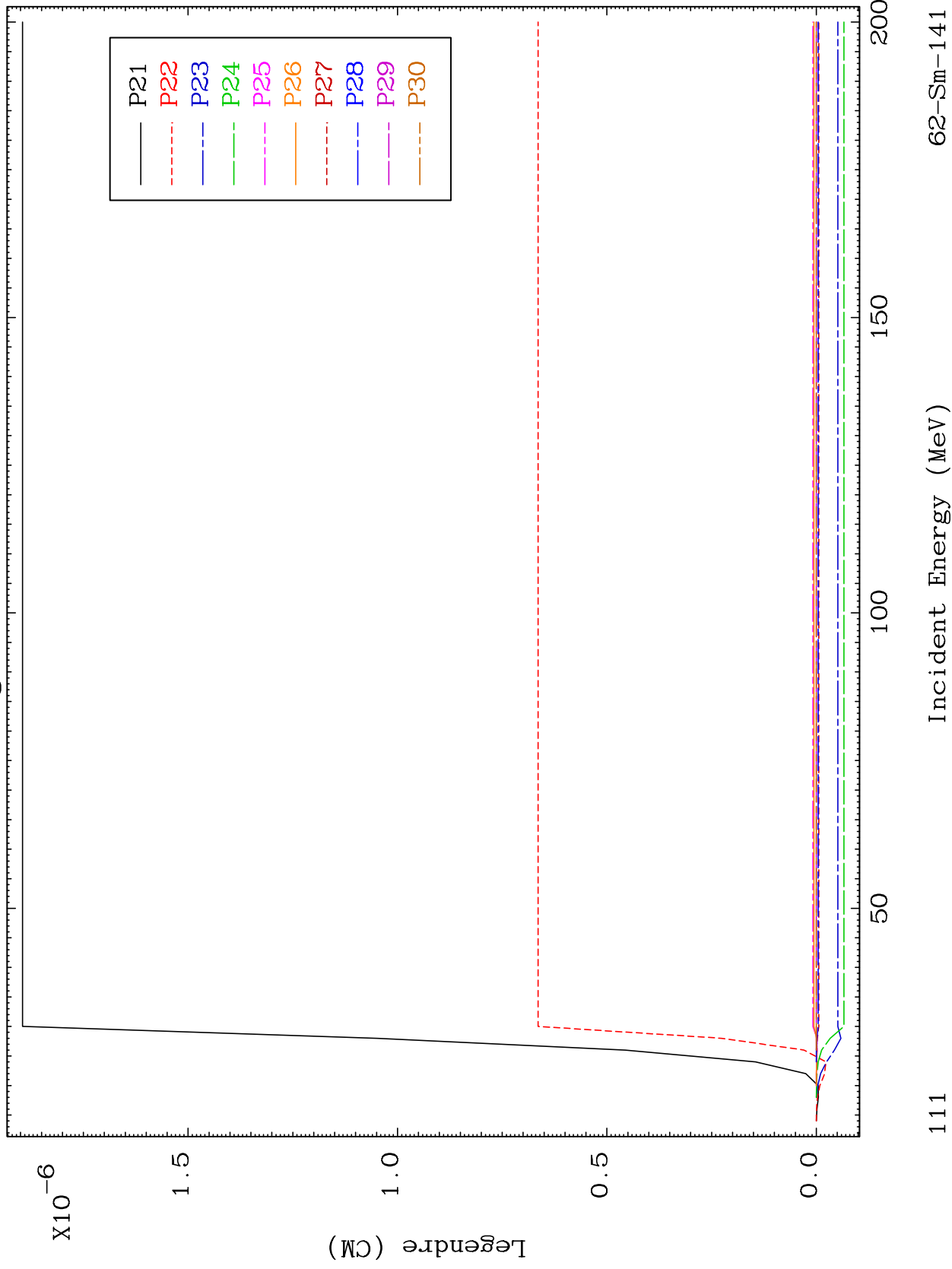
Incident Energy (MeV)

110

MAT 6216

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

62-Sm-141



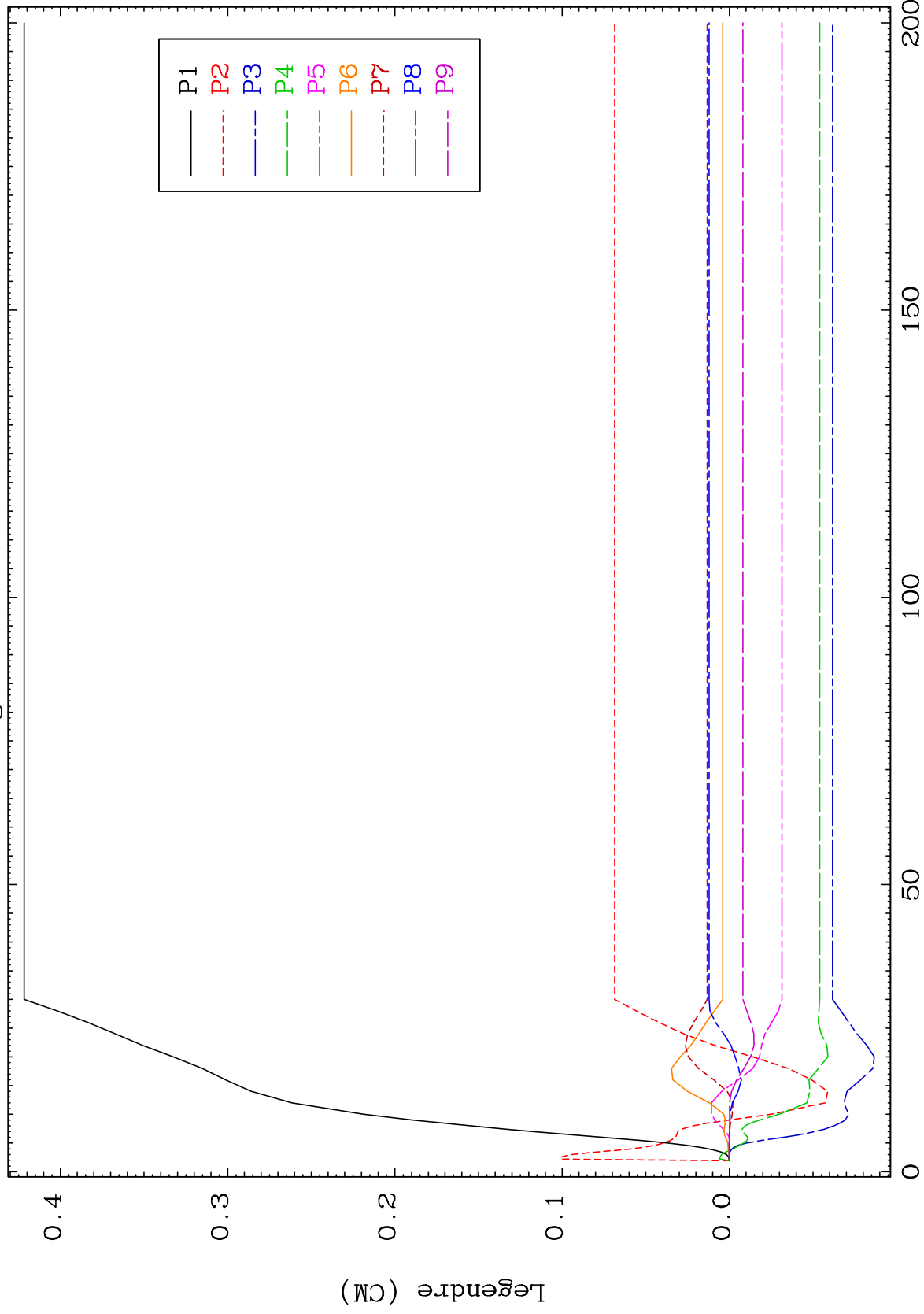
111

62-Sm-141

MAT 6216

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

62-Sm-141



62-Sm-141

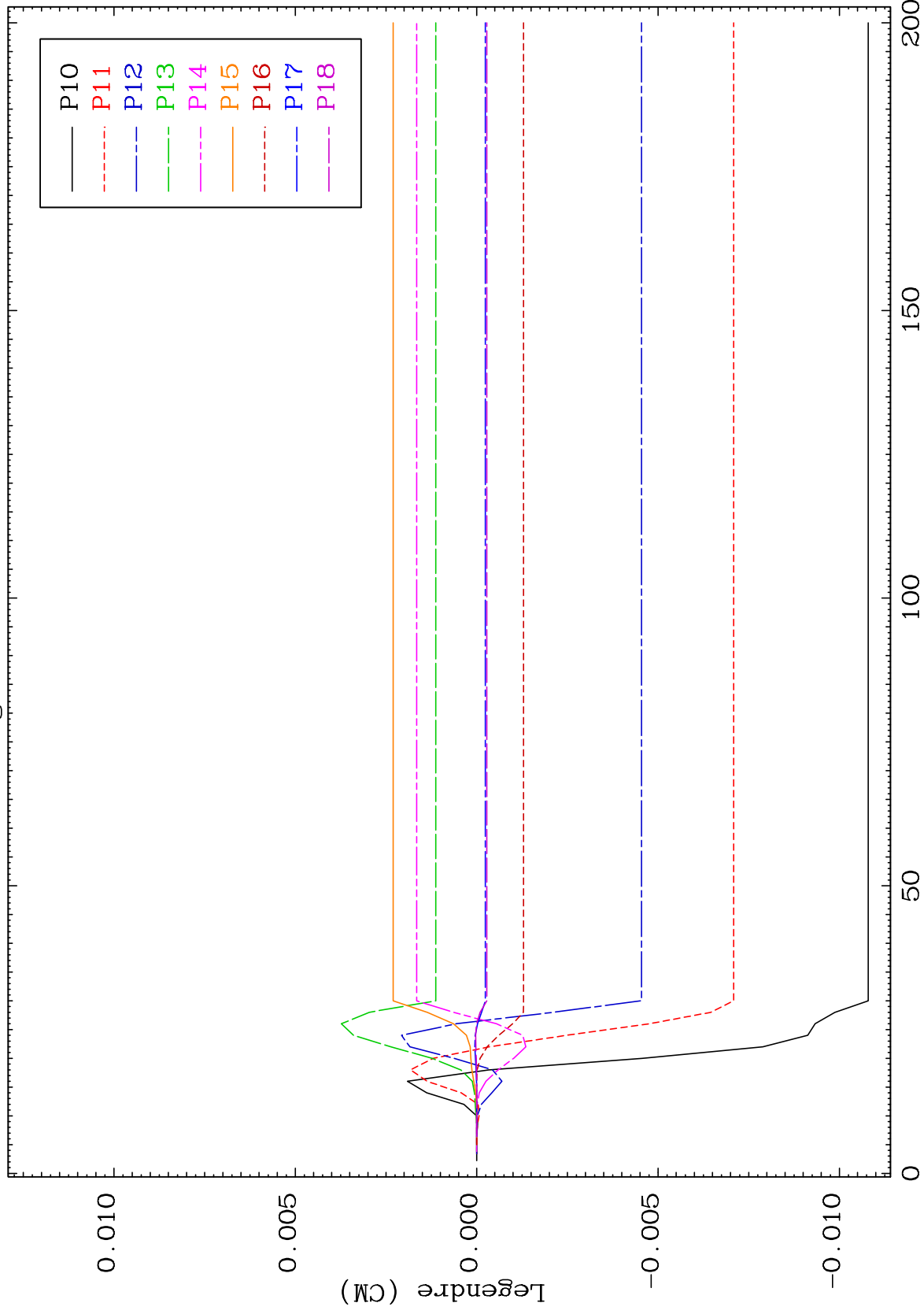
Incident Energy (MeV)

112

MAT 6216

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

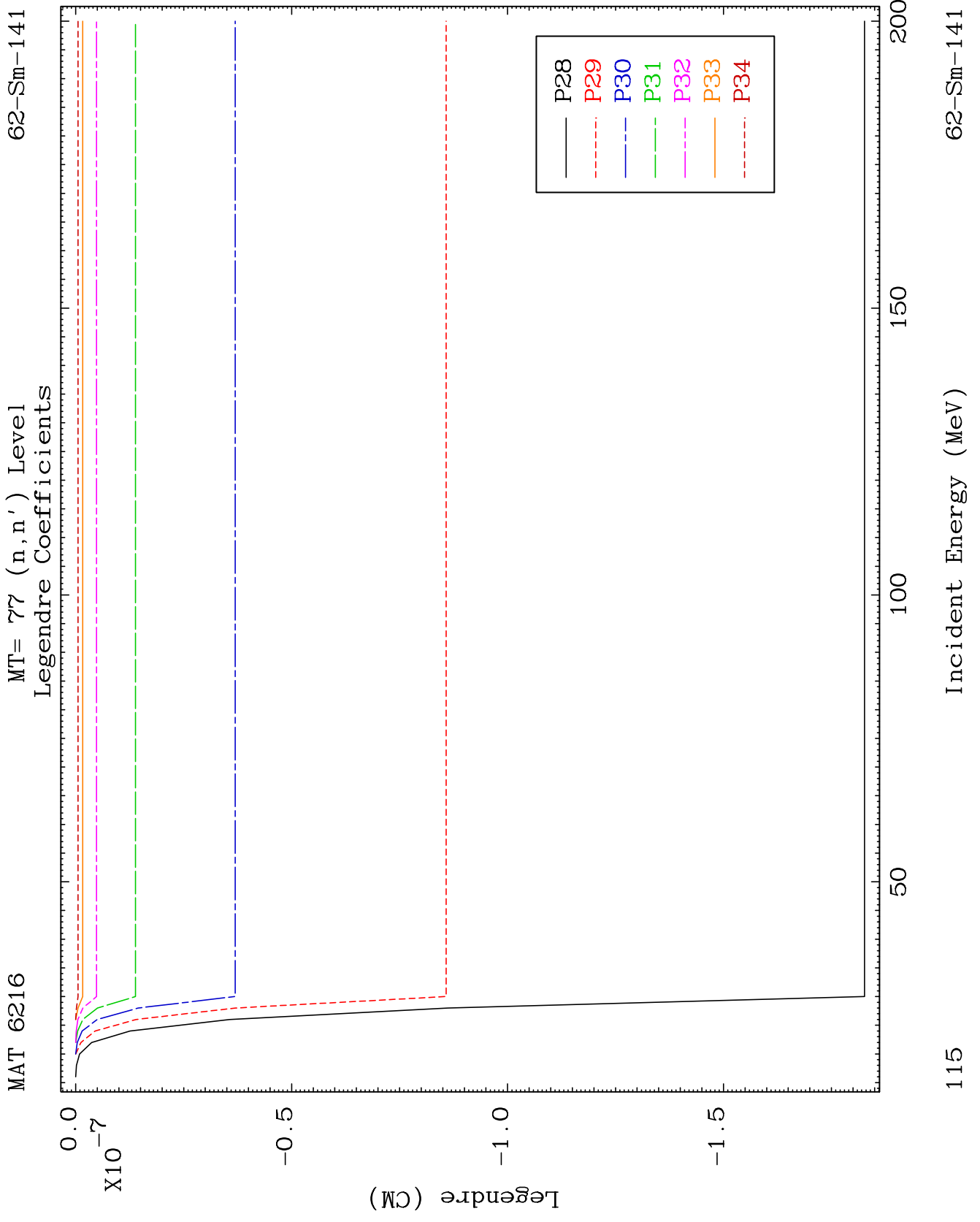
62-Sm-141



113

Incident Energy (MeV)

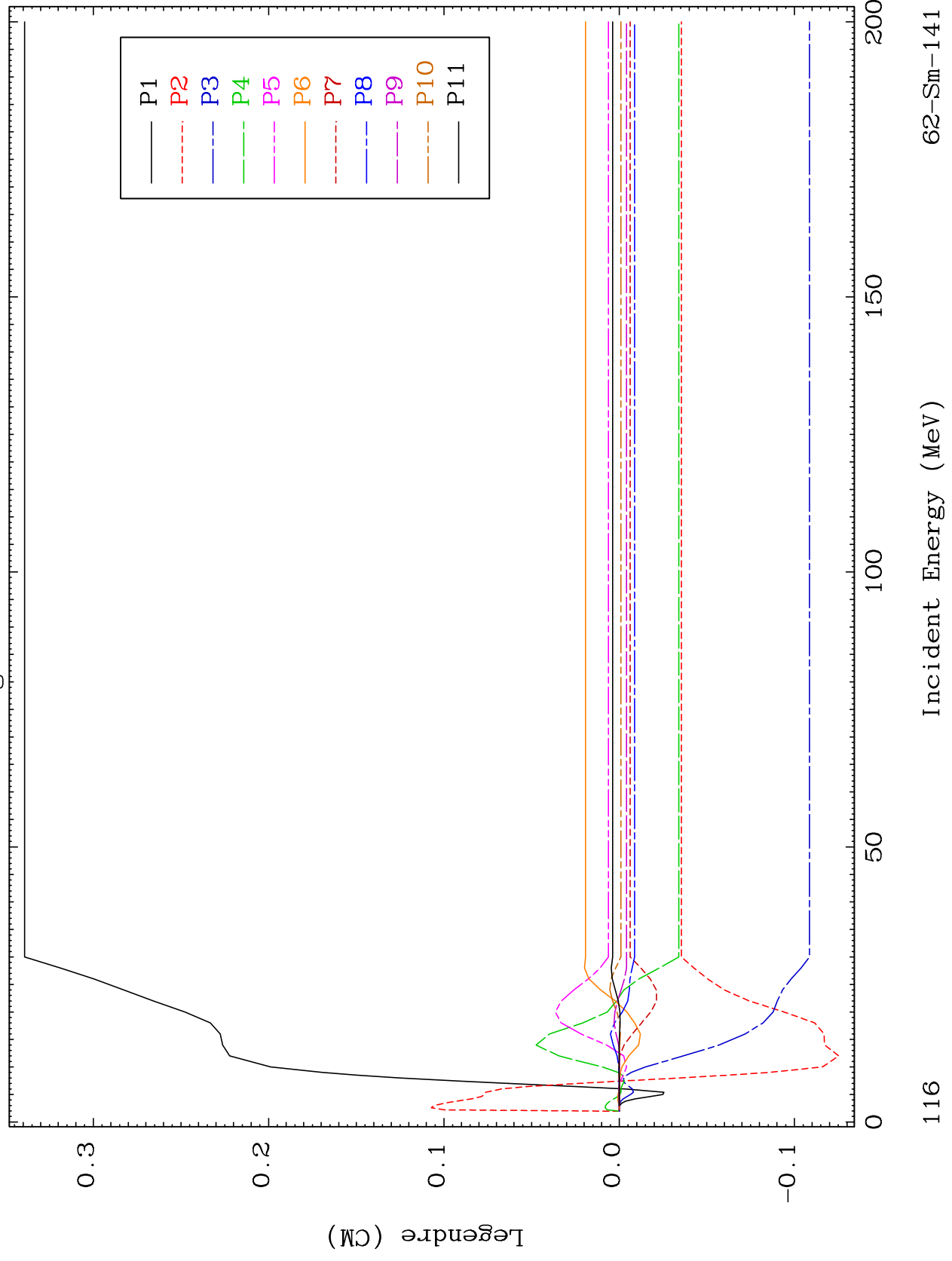
62-Sm-141



MAT 6216

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

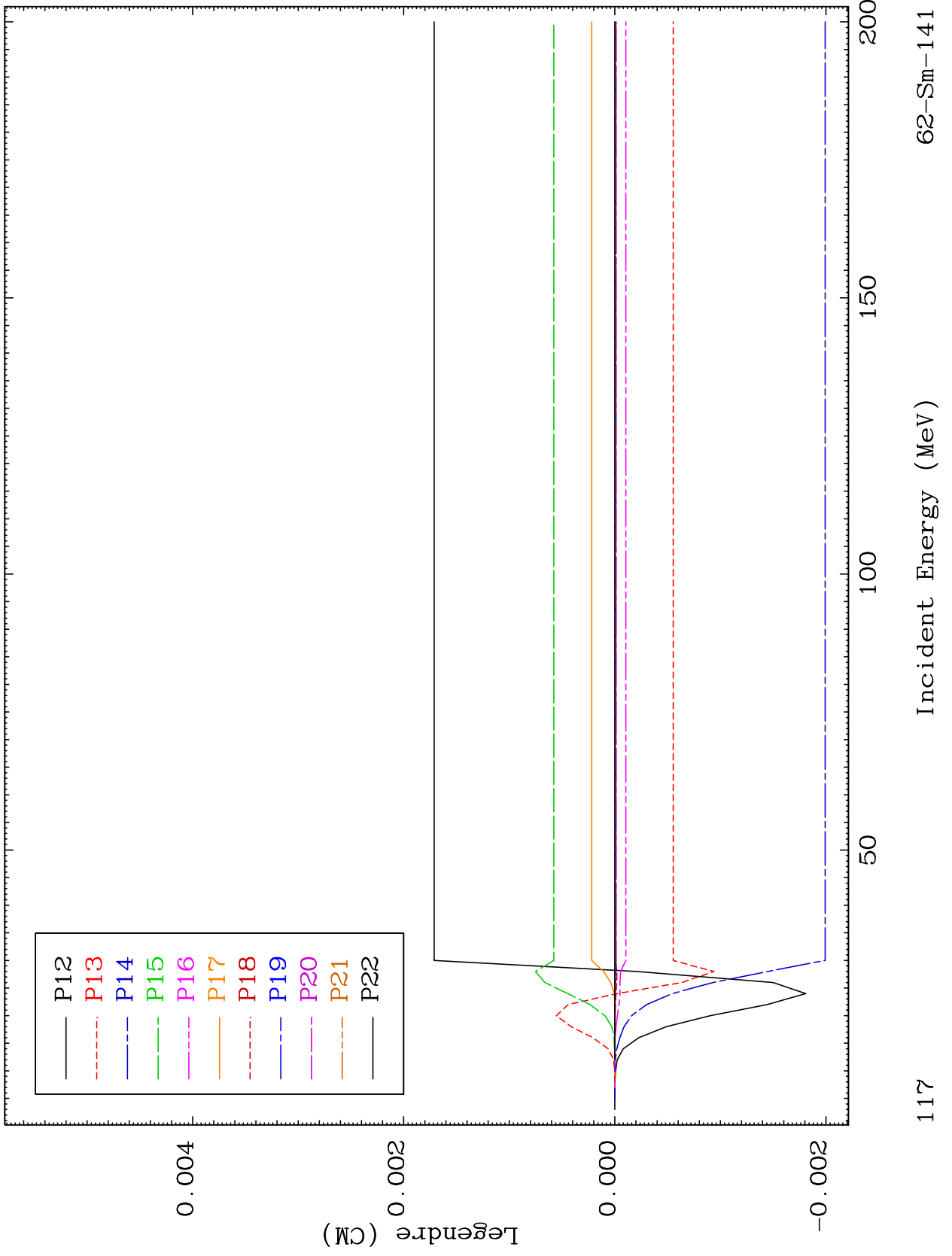
62-Sm-141

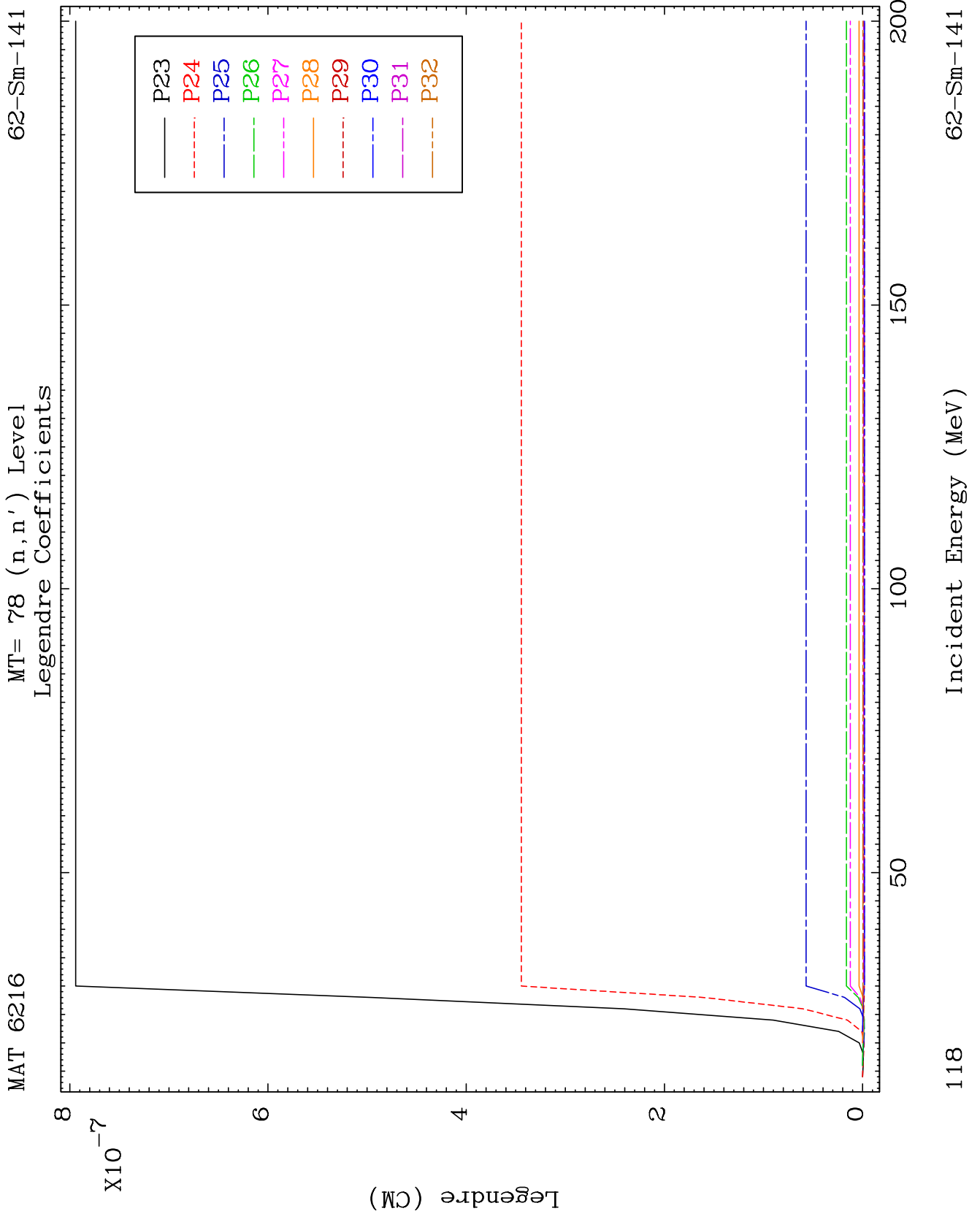


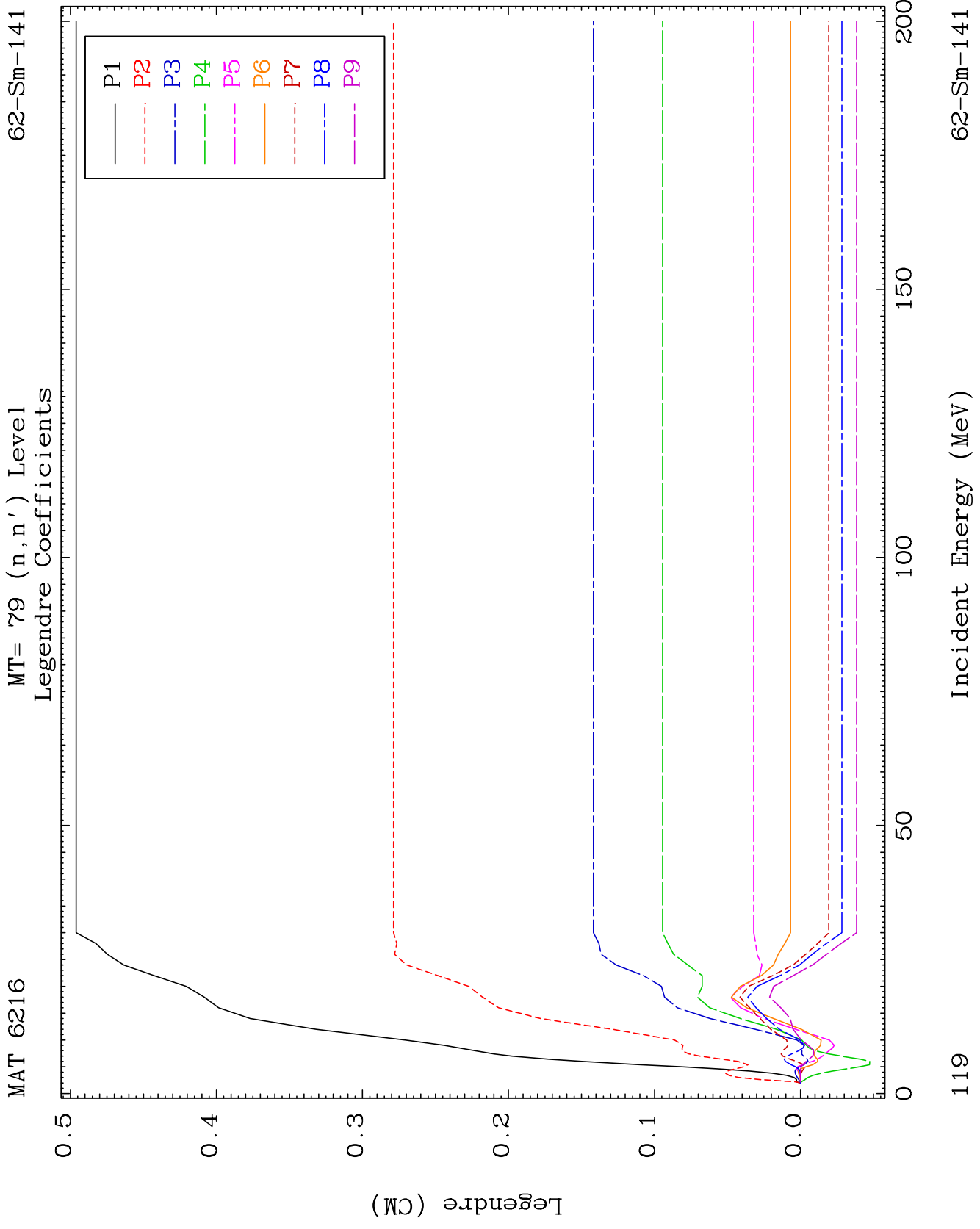
62-Sm-141

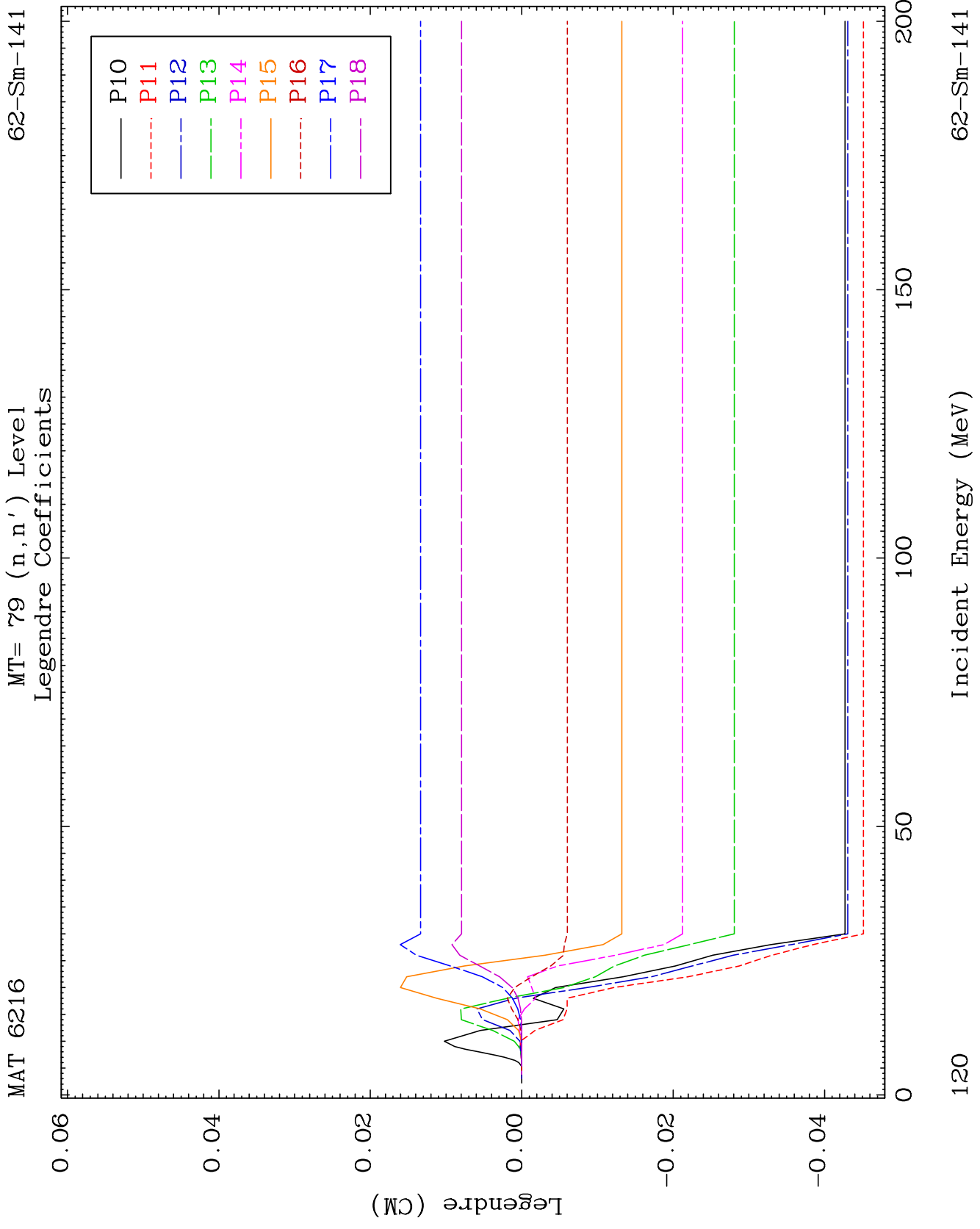
Incident Energy (MeV)

116





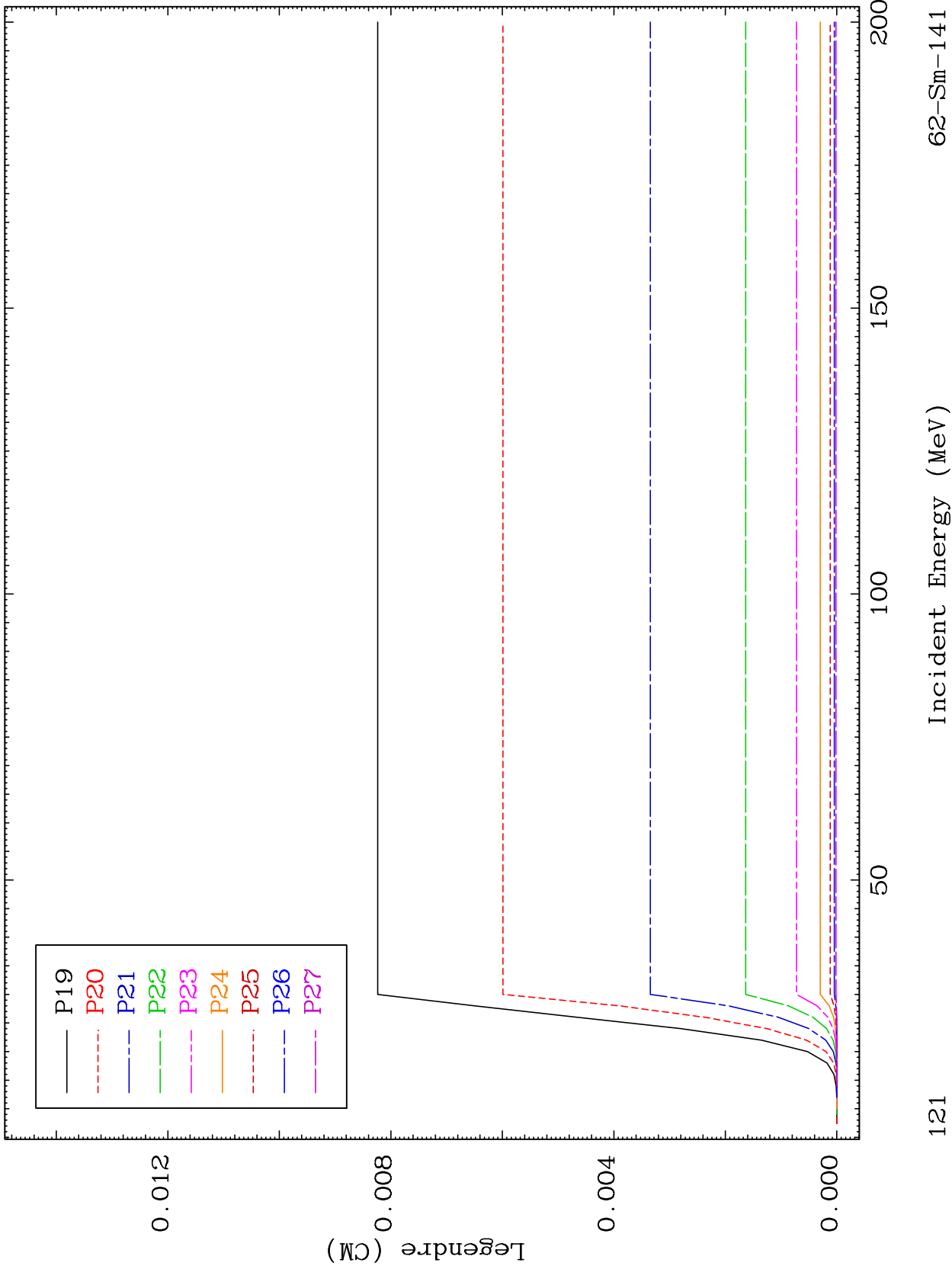




MAT 6216

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

62-Sm-141



121

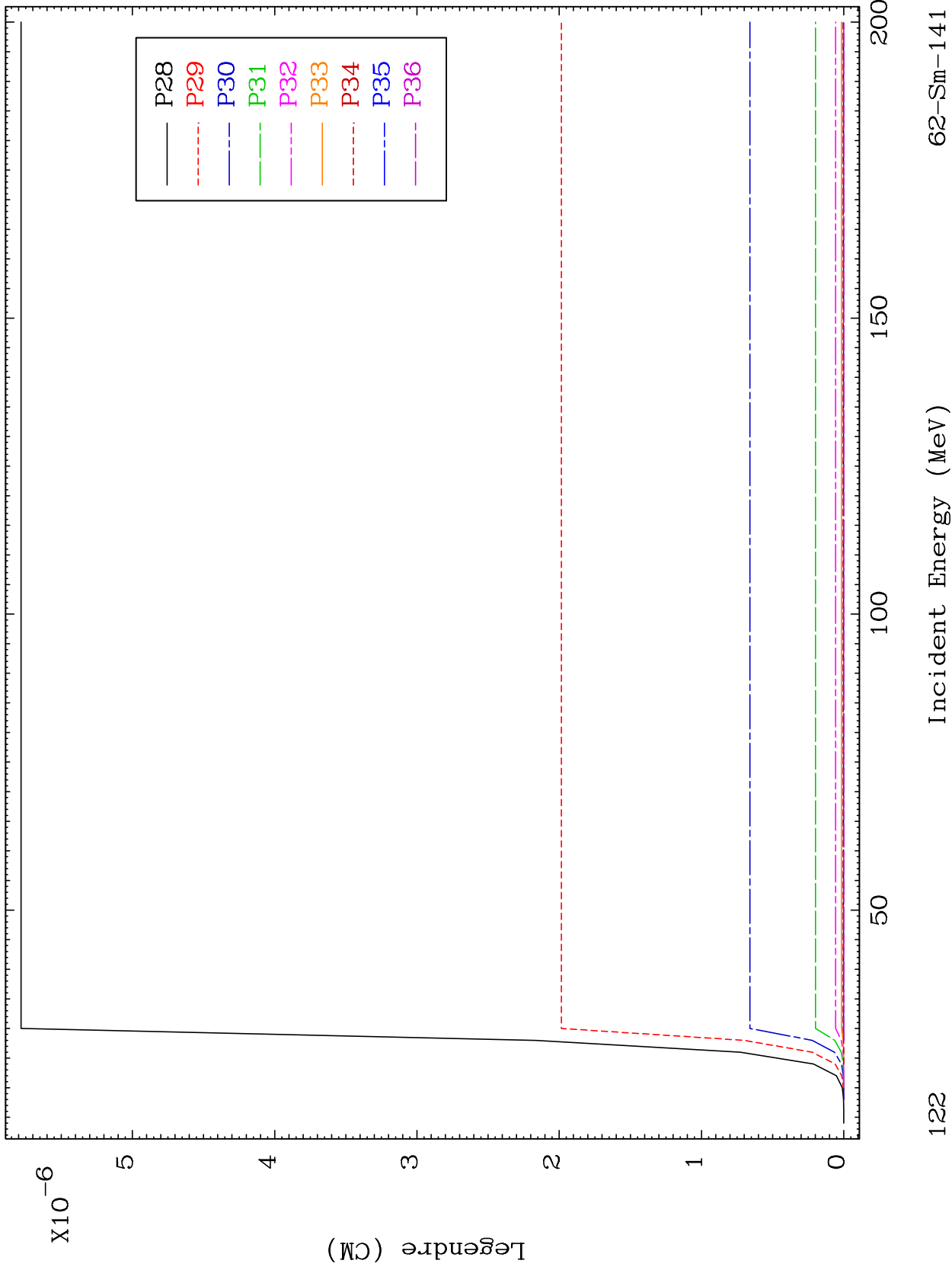
Incident Energy (MeV)

62-Sm-141

MAT 6216

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

62-Sm-141



122

Incident Energy (MeV)

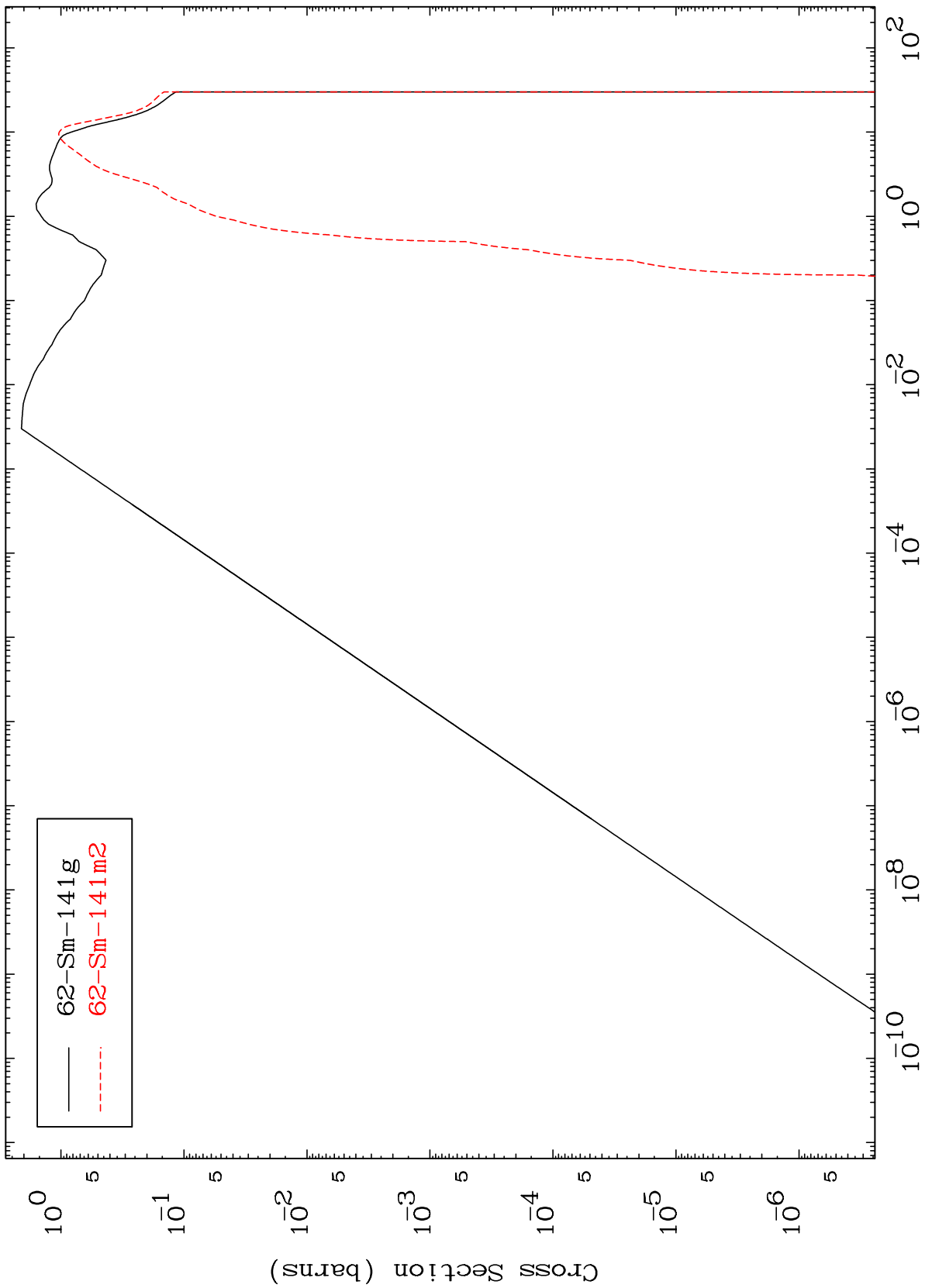
62-Sm-141

MAT 6216

Inelastic

62-Sm-141

Radionuclide Production Cross Section



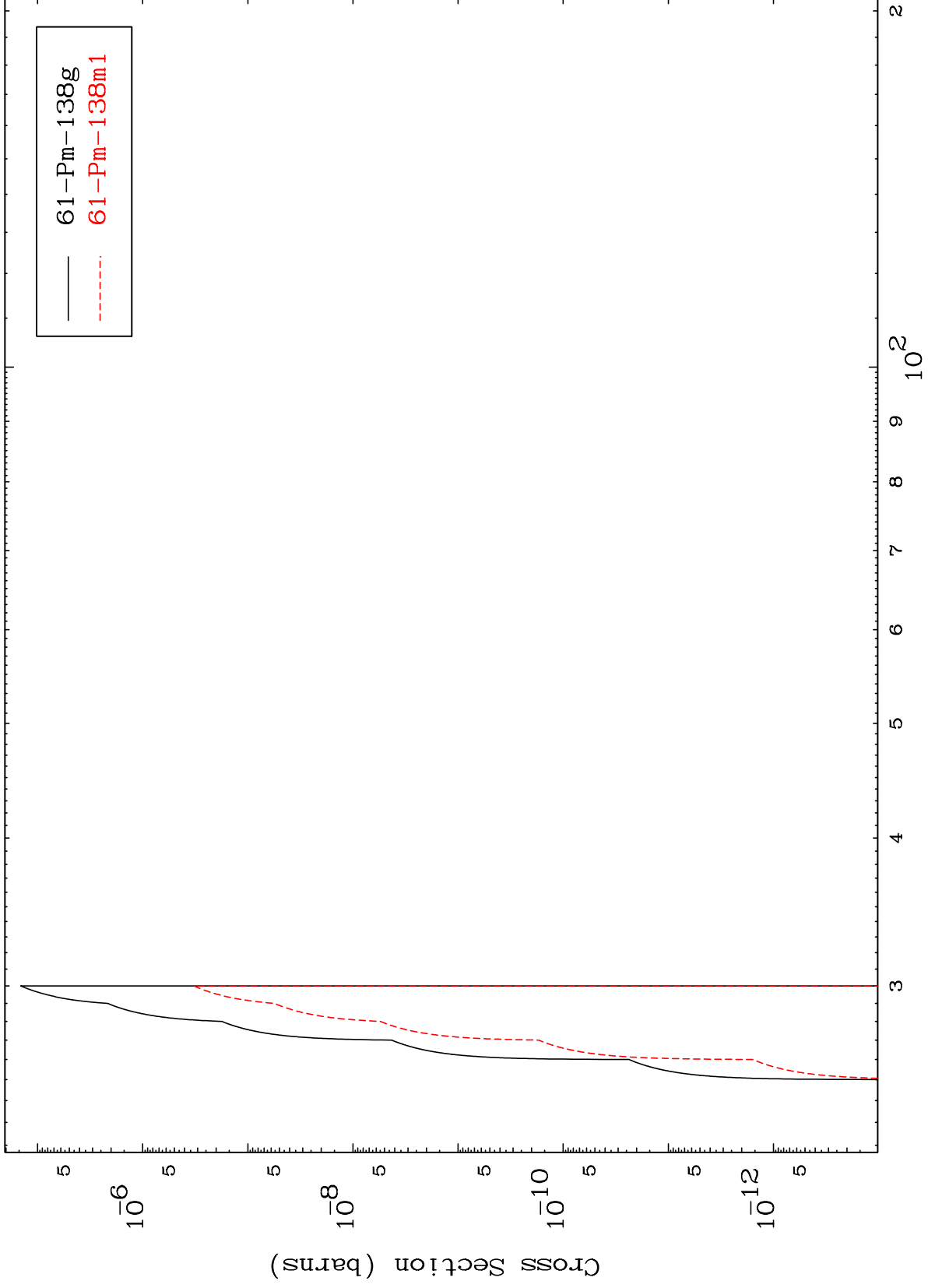
62-Sm-141 g
62-Sm-141 m2

MAT 6216

(n,2n) d

62-Sm-141

Radionuclide Production Cross Section



124

Incident Energy (MeV)

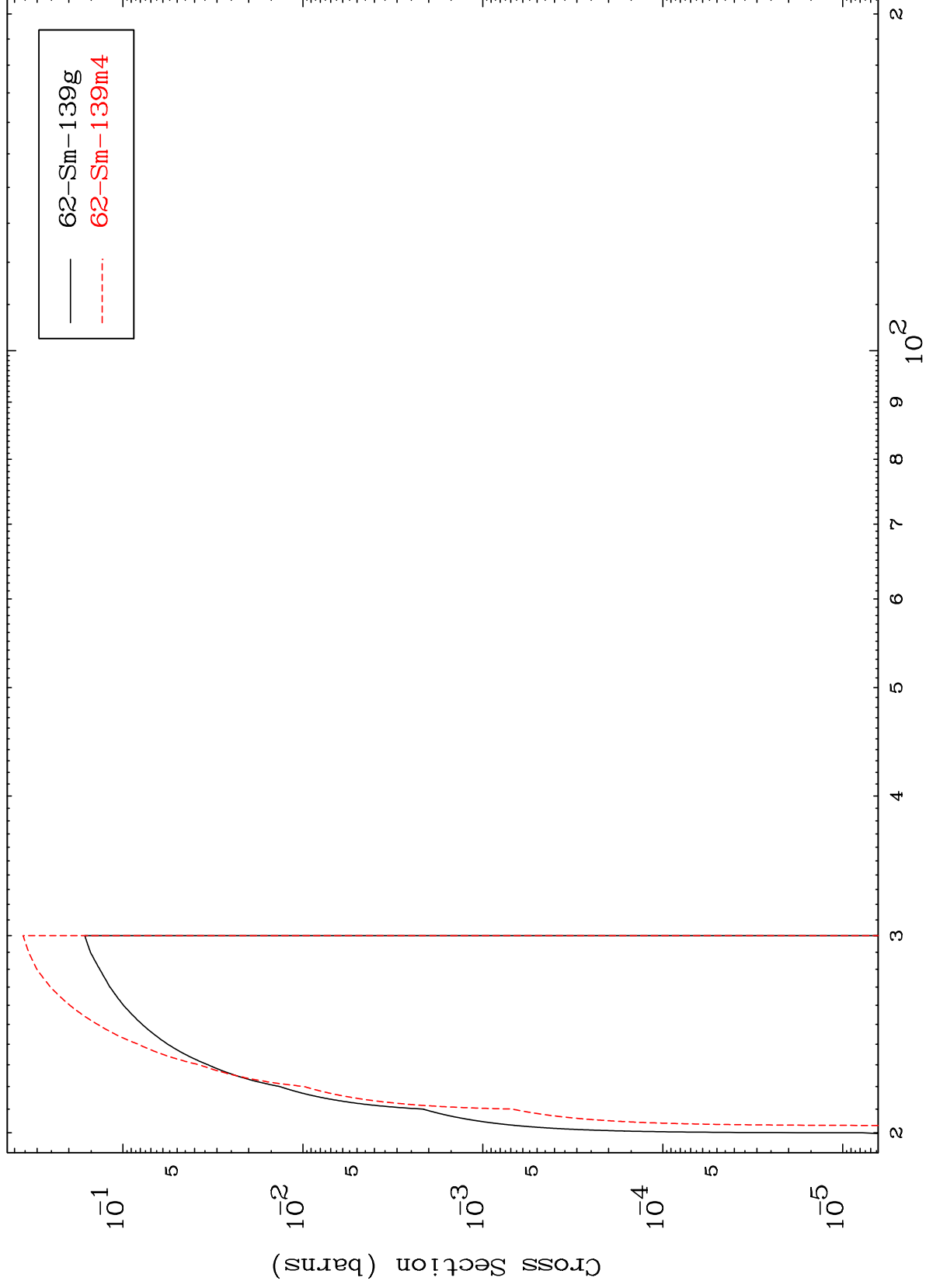
62-Sm-141

MAT 6216

(n,3n)

62-Sm-141

Radionuclide Production Cross Section



125

Incident Energy (MeV)

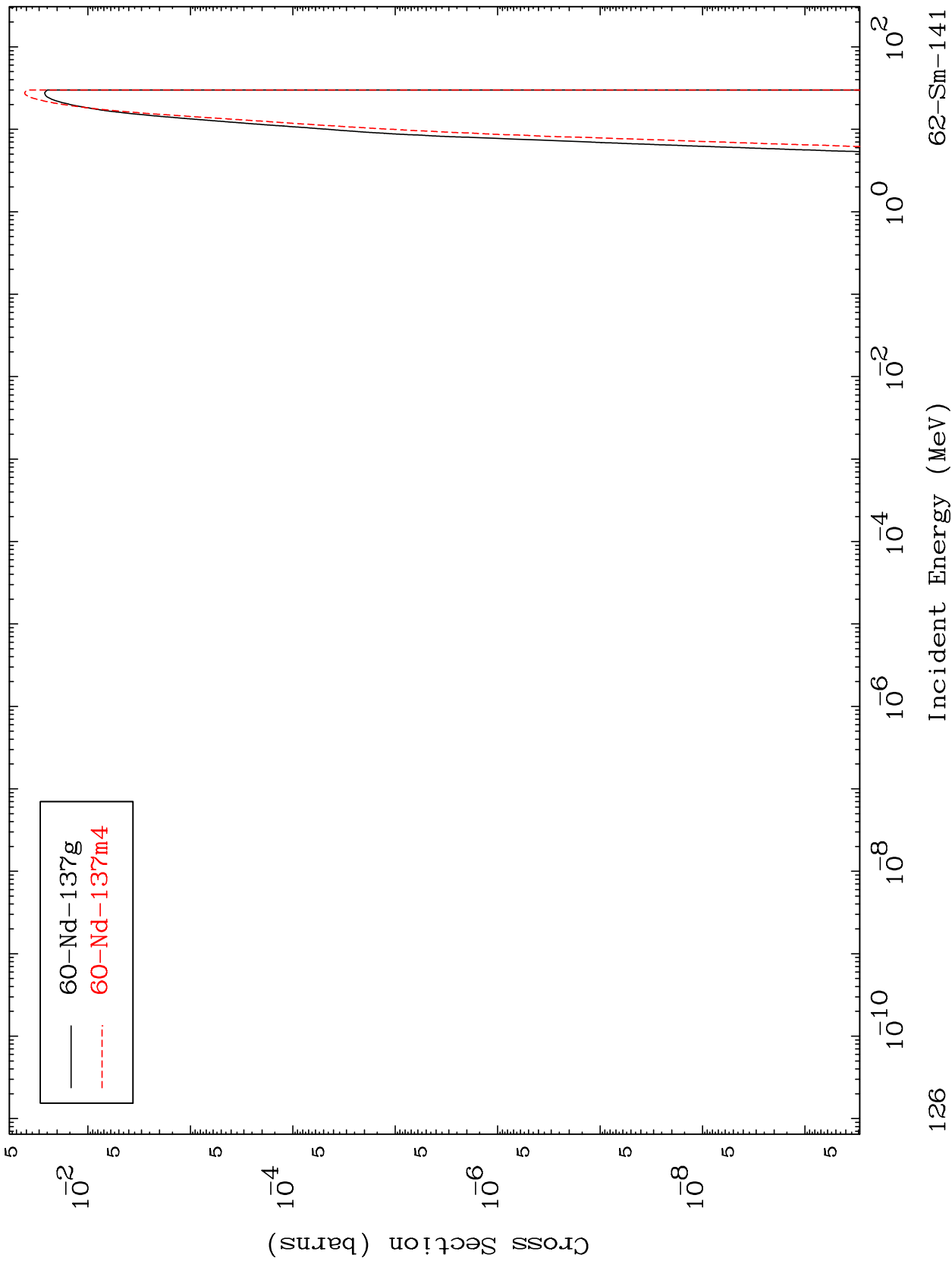
62-Sm-141

MAT 6216

$(n, n') \alpha$

62-Sm-141

Radionuclide Production Cross Section



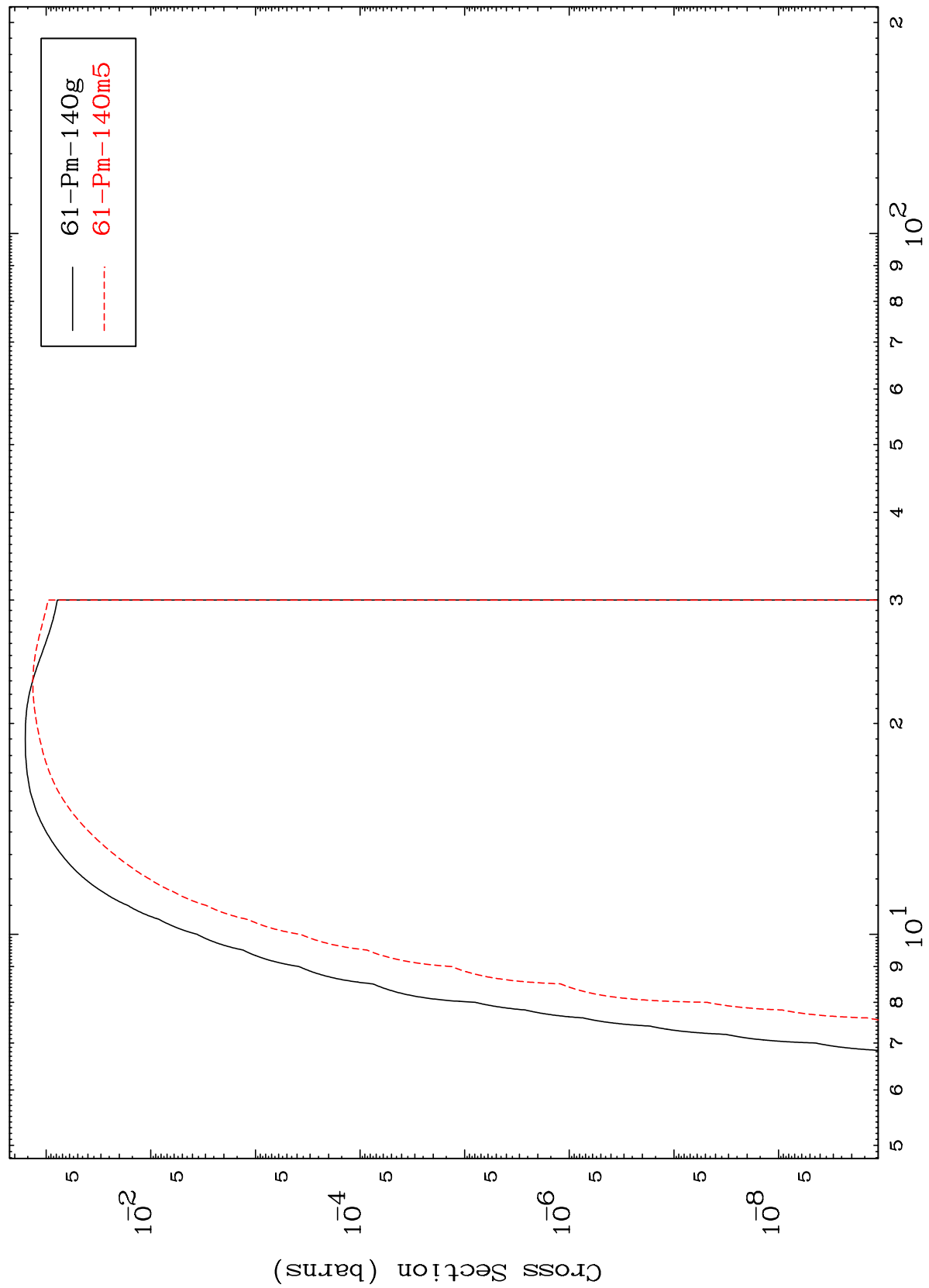
60-Nd-137g
60-Nd-137m4

MAT 6216

(n,n') p

62-Sm-141

Radionuclide Production Cross Section



127

Incident Energy (MeV)

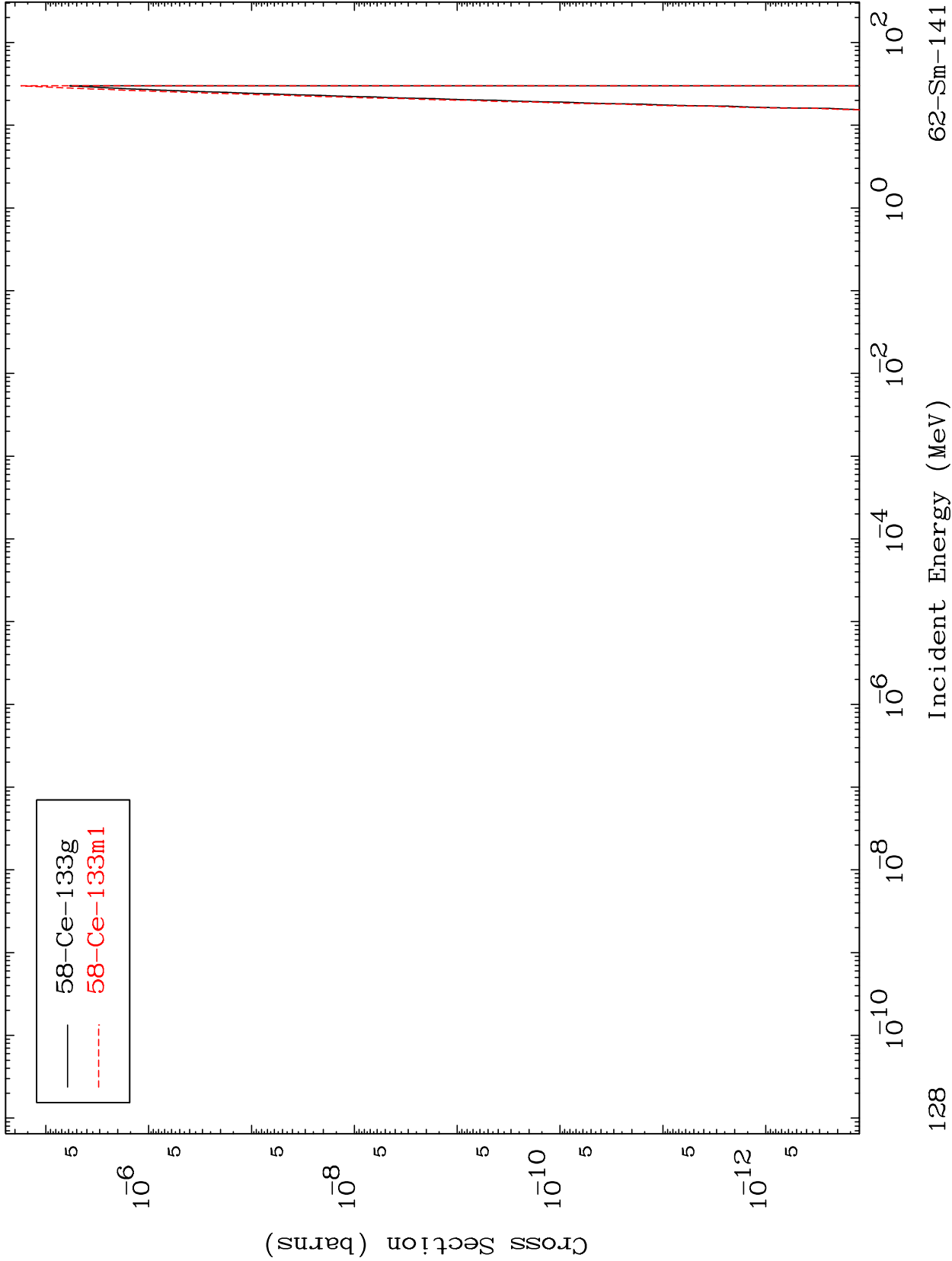
62-Sm-141

MAT 6216

(n,n') 2 α

62-Sm-141

Radionuclide Production Cross Section



128

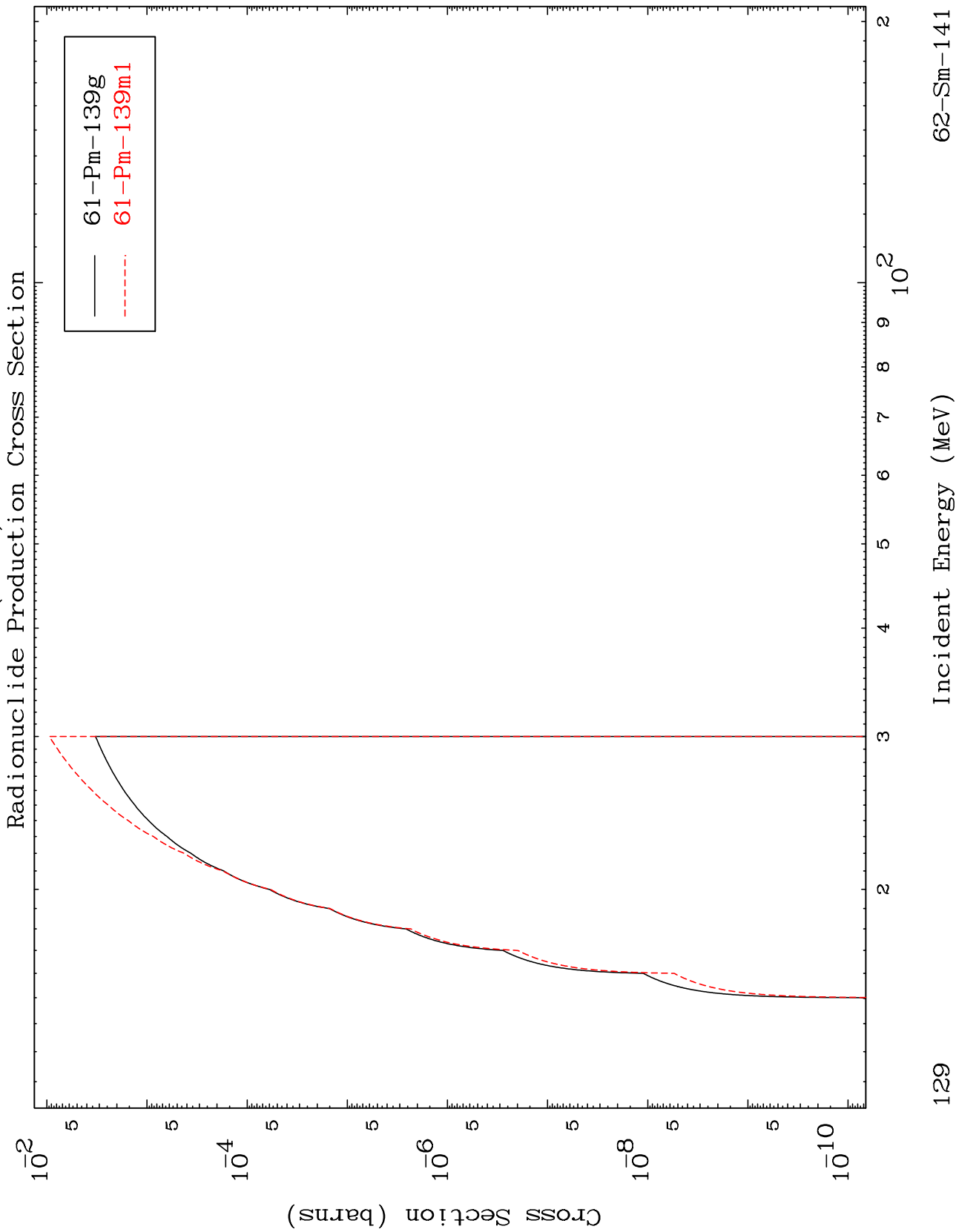
Incident Energy (MeV)

62-Sm-141

MAT 6216

(n,n') d

62-Sm-141



129

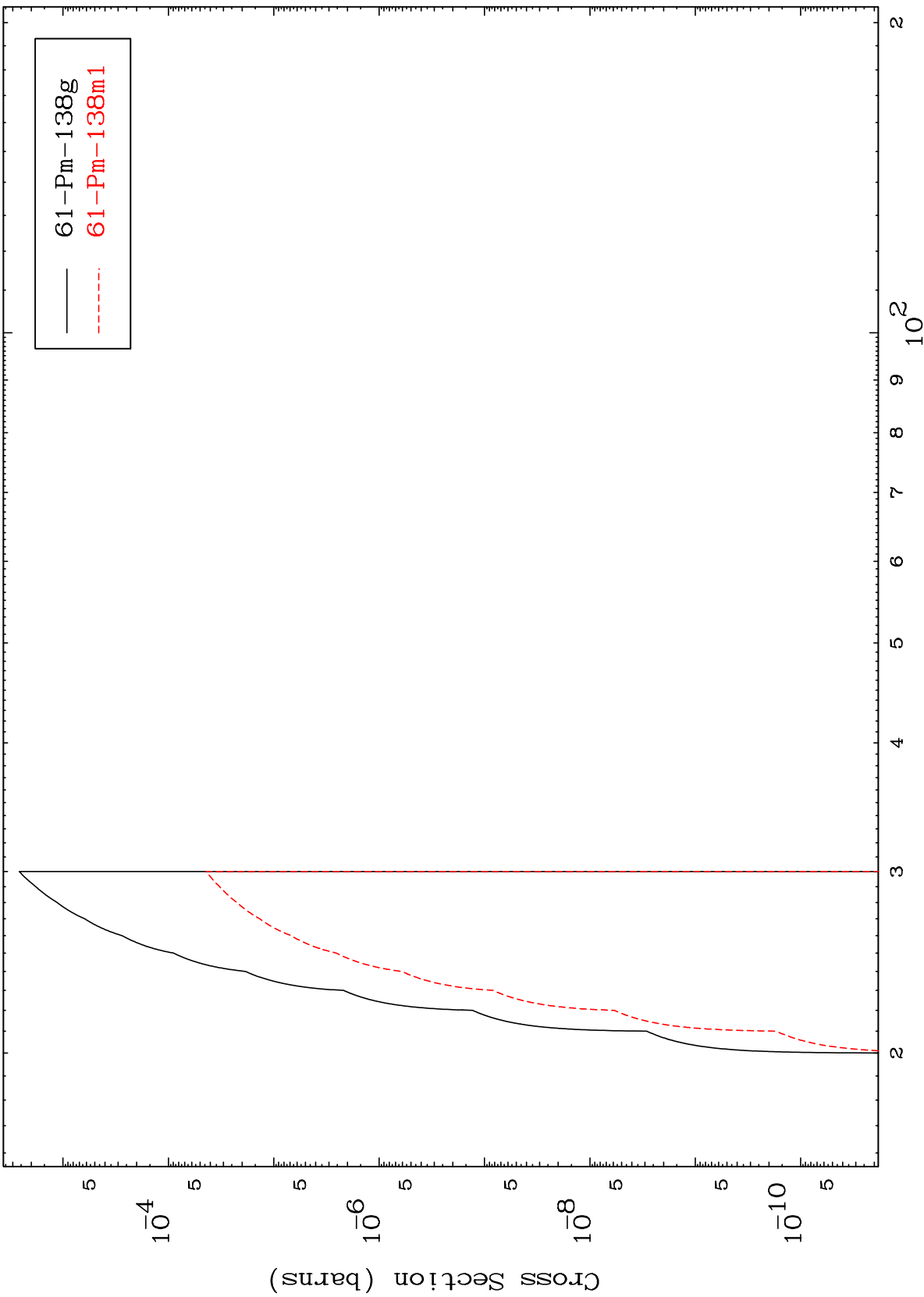
62-Sm-141

MAT 6216

(n,n') t

62-Sm-141

Radionuclide Production Cross Section



130

Incident Energy (MeV)

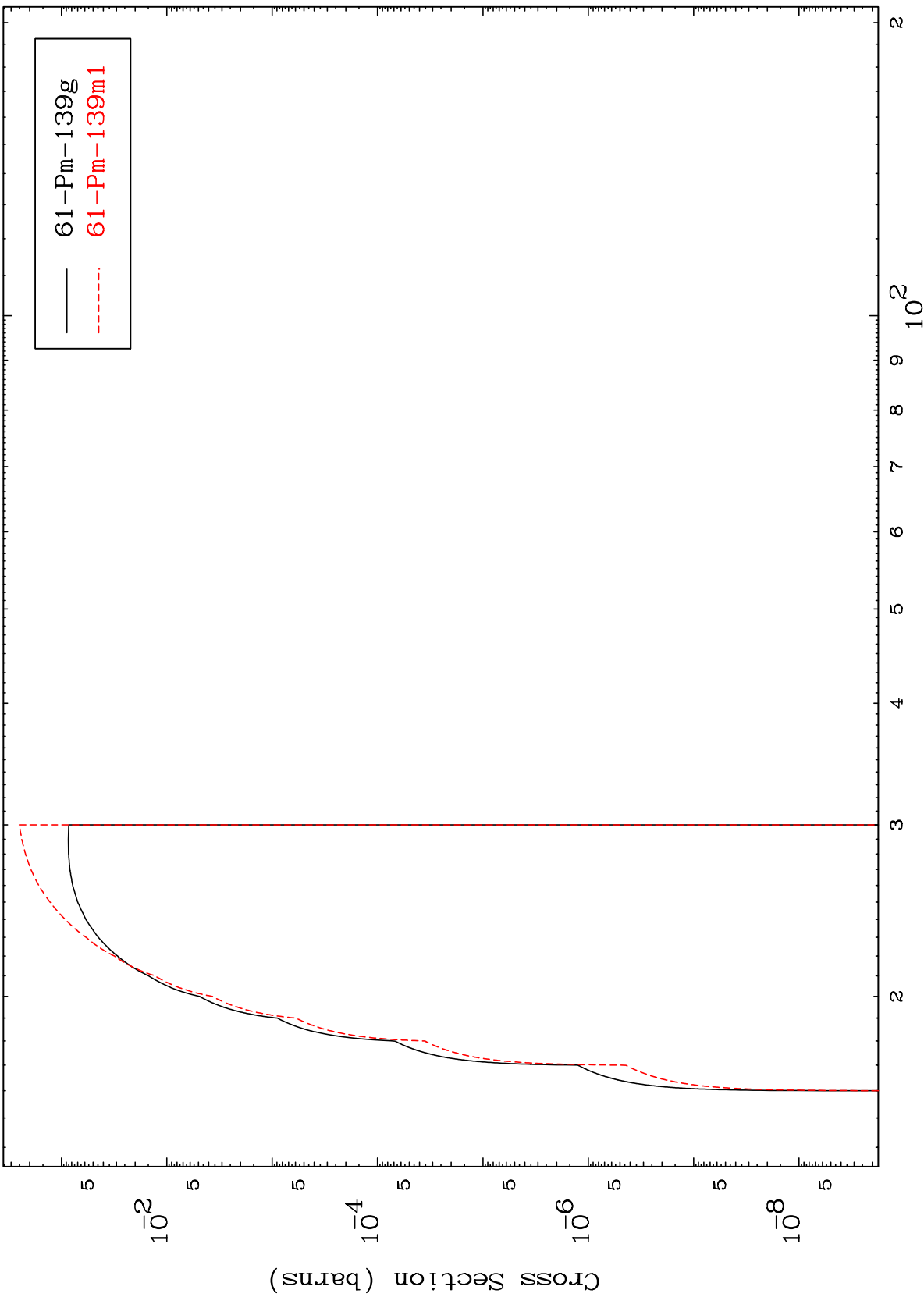
62-Sm-141

MAT 6216

(n,2n) p

62-Sm-141

Radionuclide Production Cross Section

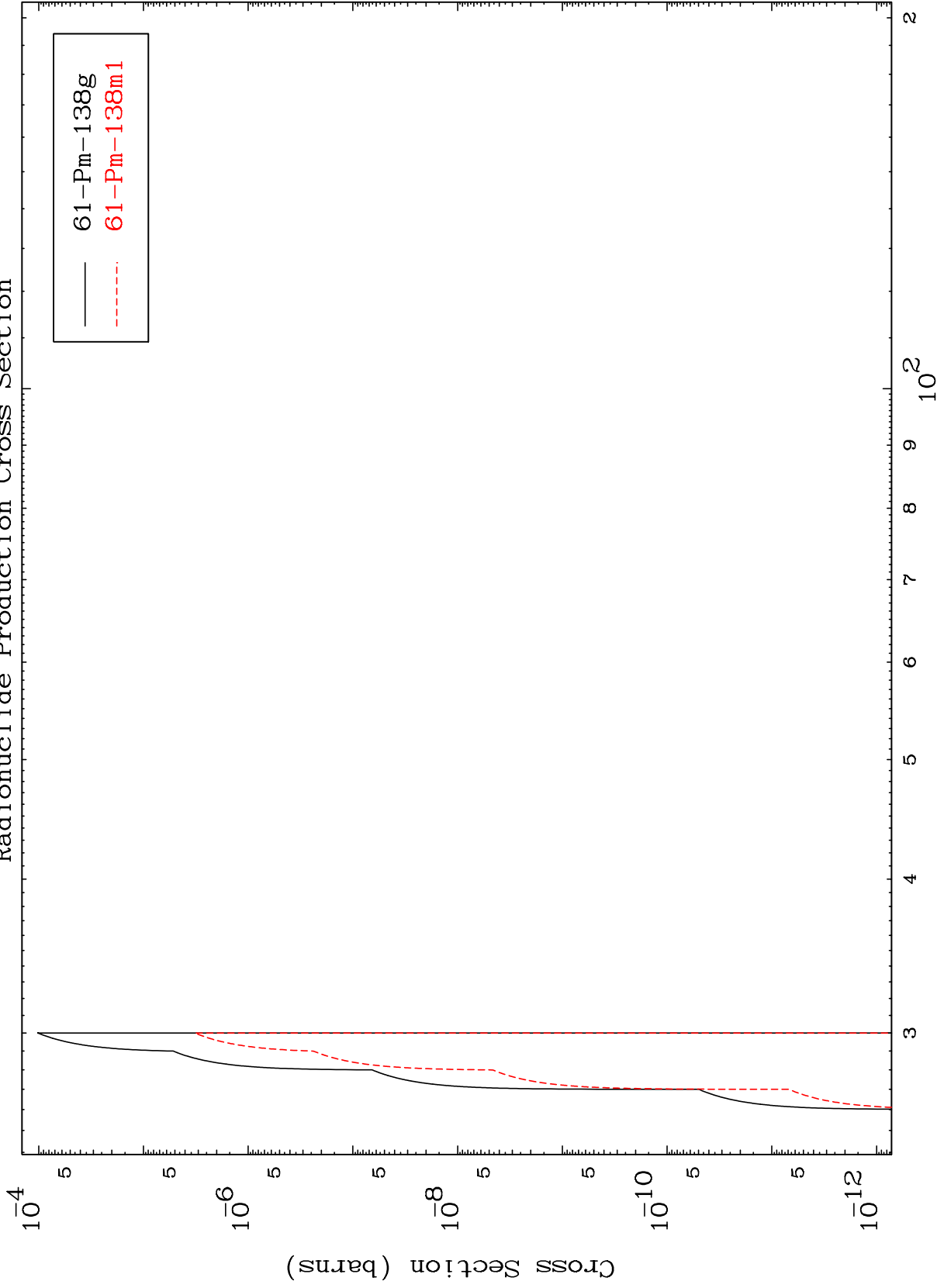


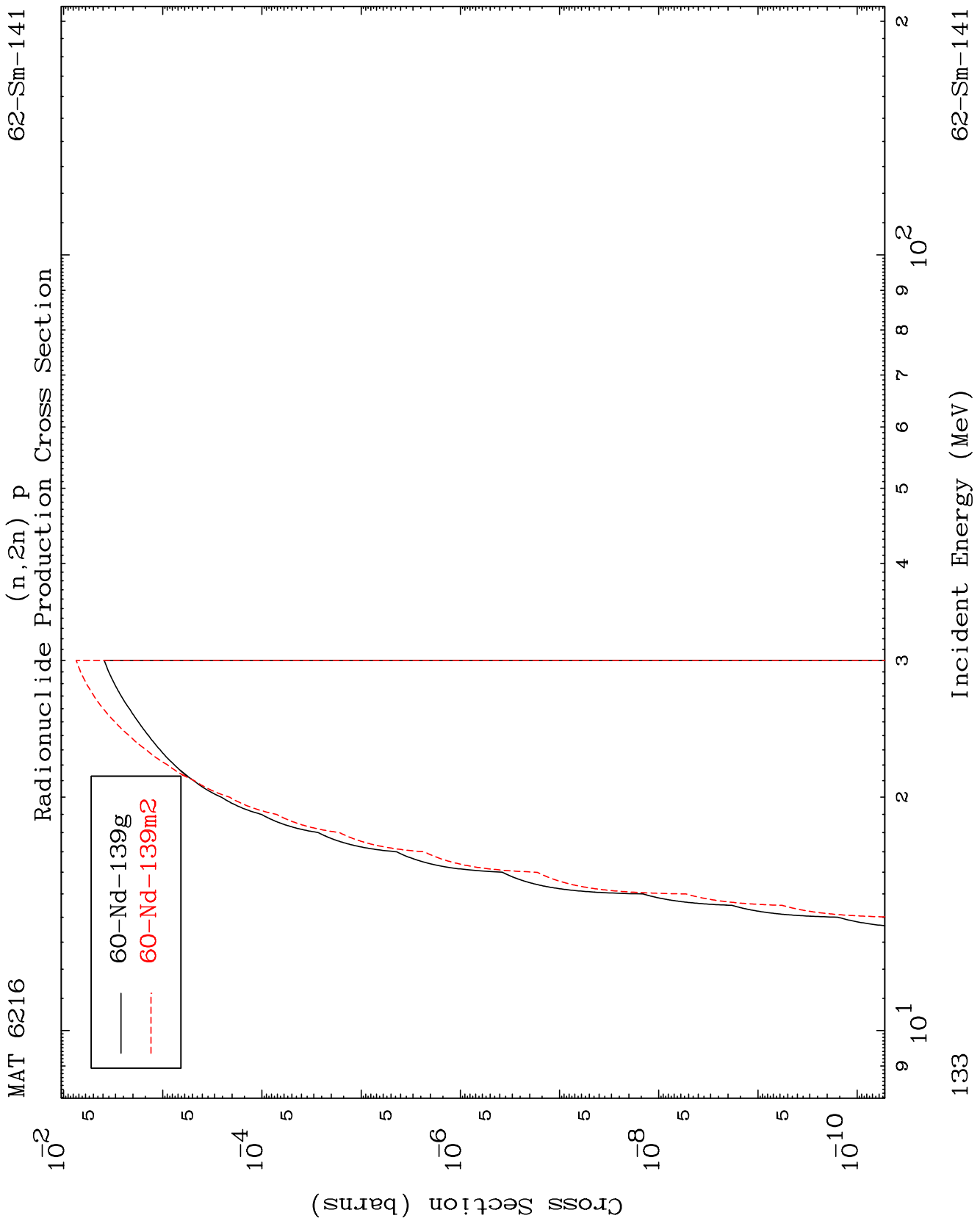
131

Incident Energy (MeV)

62-Sm-141

Radionuclide Production Cross Section

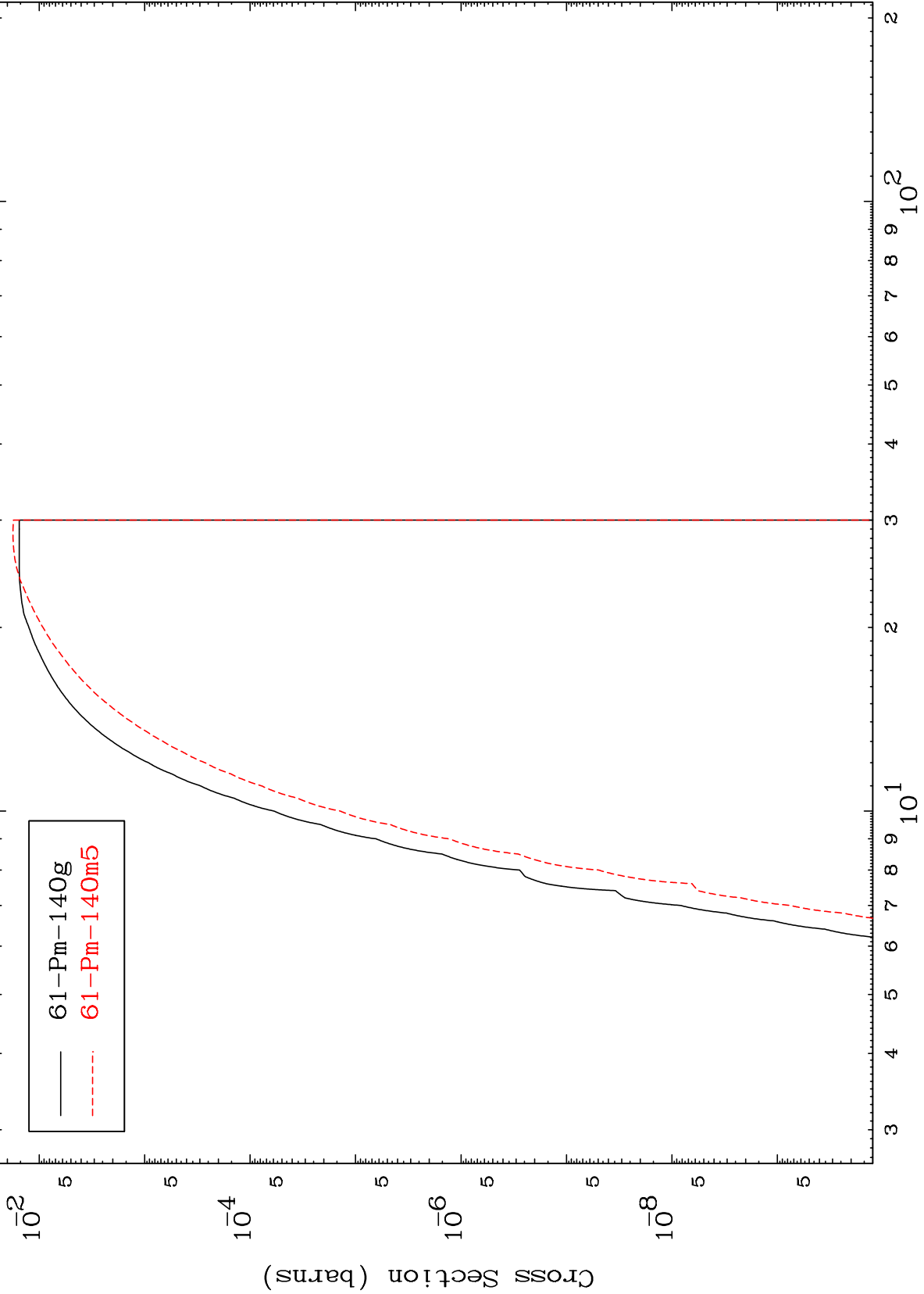




MAT 6216

62-Sm-141

(n,d)
Radionuclide Production Cross Section



61-Pm-140g
61-Pm-140m5

134

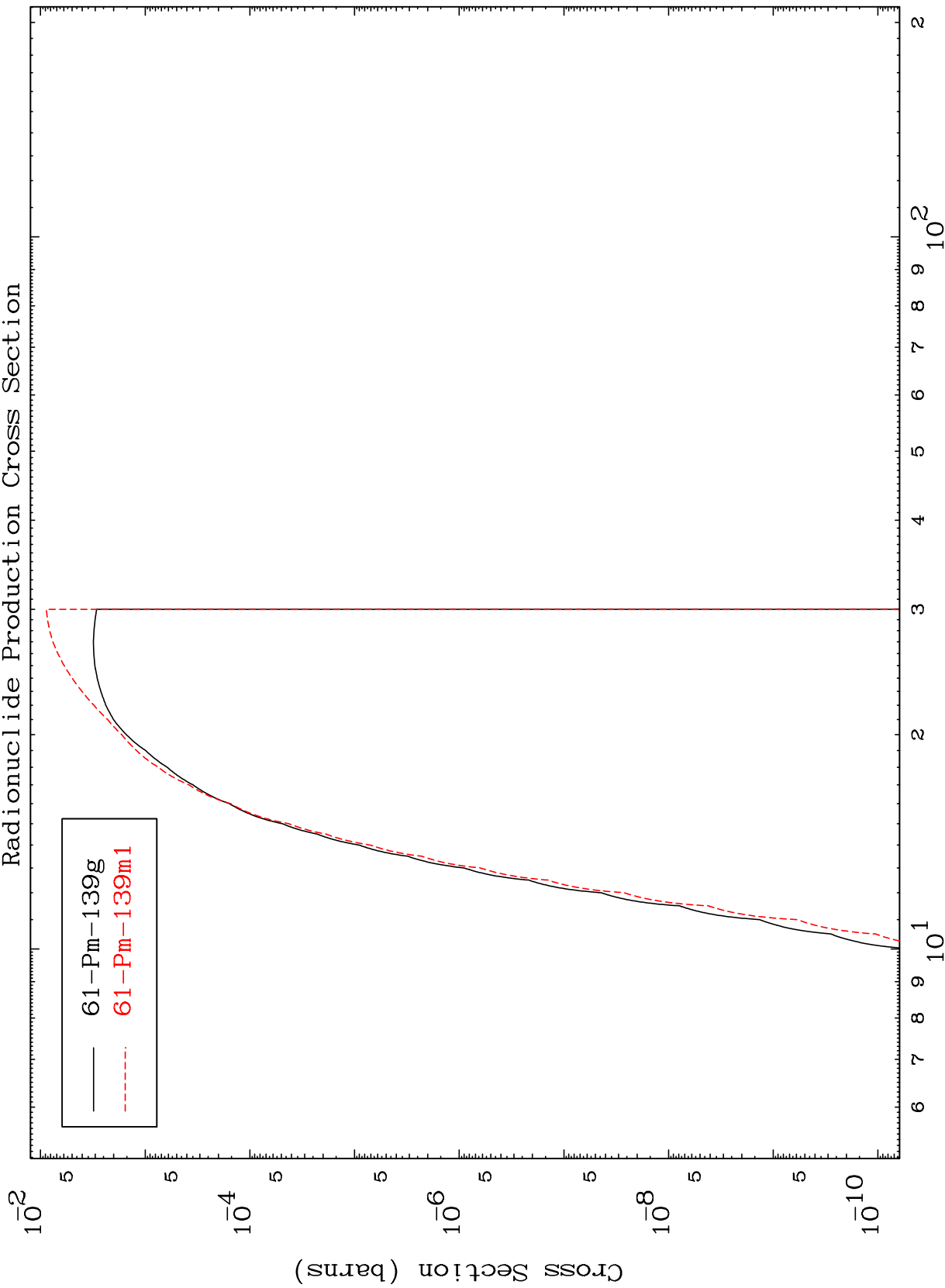
Incident Energy (MeV)

62-Sm-141

MAT 6216

62-Sm-141

Radionuclide Production Cross Section
(n, t)



135

Incident Energy (MeV)

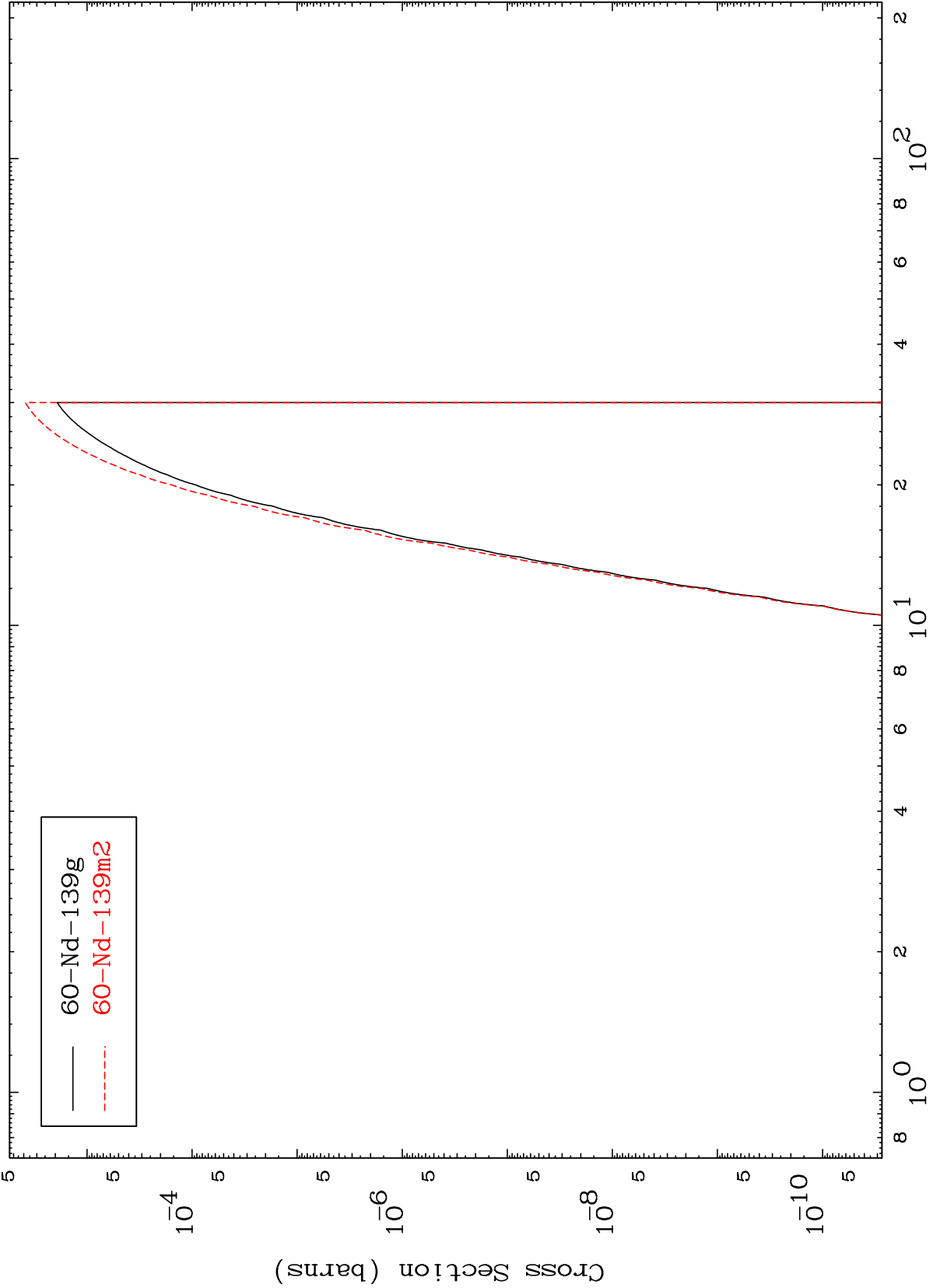
62-Sm-141

MAT 6216

(n,He-3)

62-Sm-141

Radionuclide Production Cross Section



136

Incident Energy (MeV)

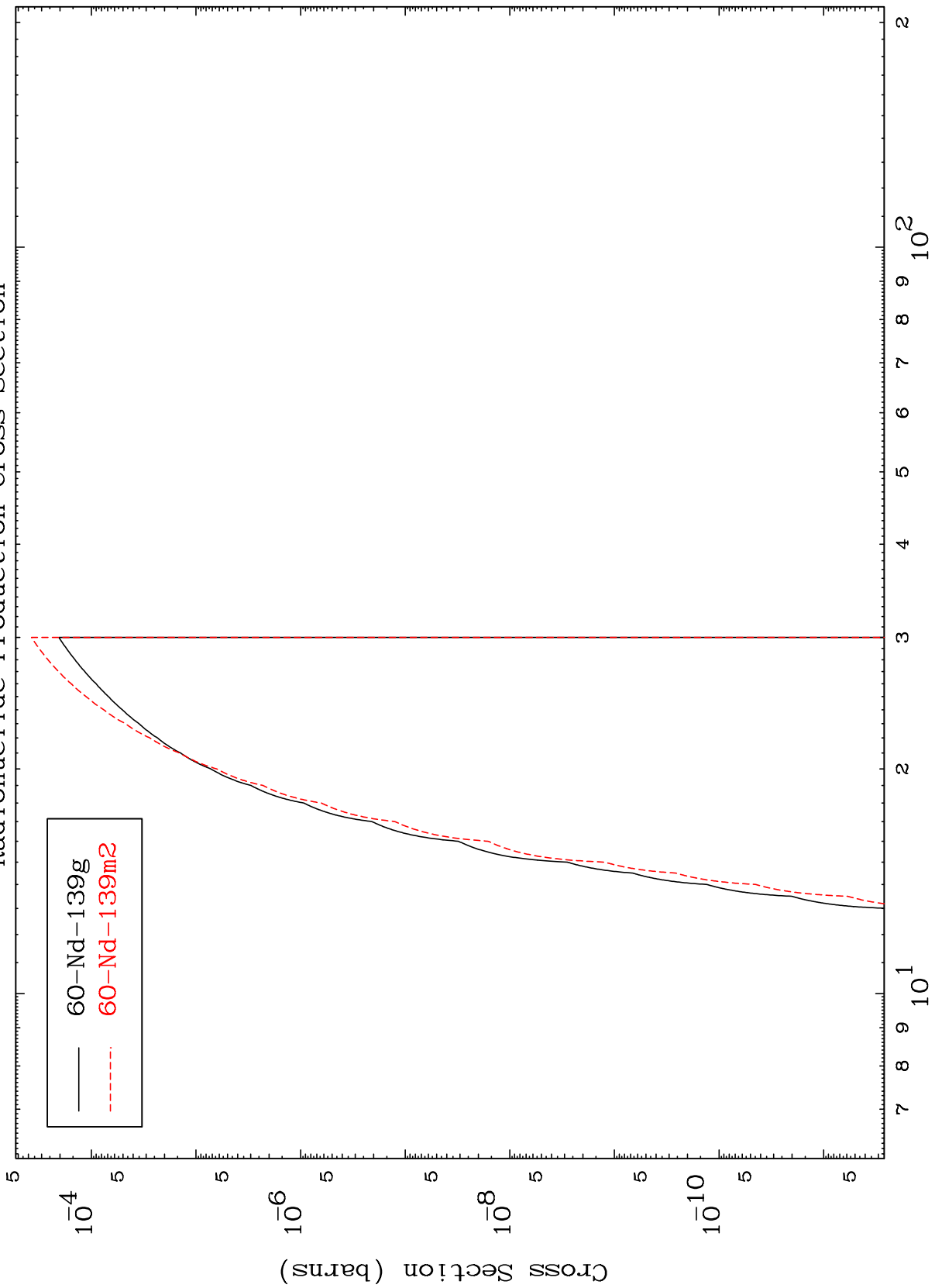
62-Sm-141

MAT 6216

⁶²Sm-141 (n,p) d

62-Sm-141

Radionuclide Production Cross Section



60-Nd-139g
60-Nd-139m2

137

Incident Energy (MeV)

62-Sm-141