

Program EVALPLOT
(Version 2021-1)

by

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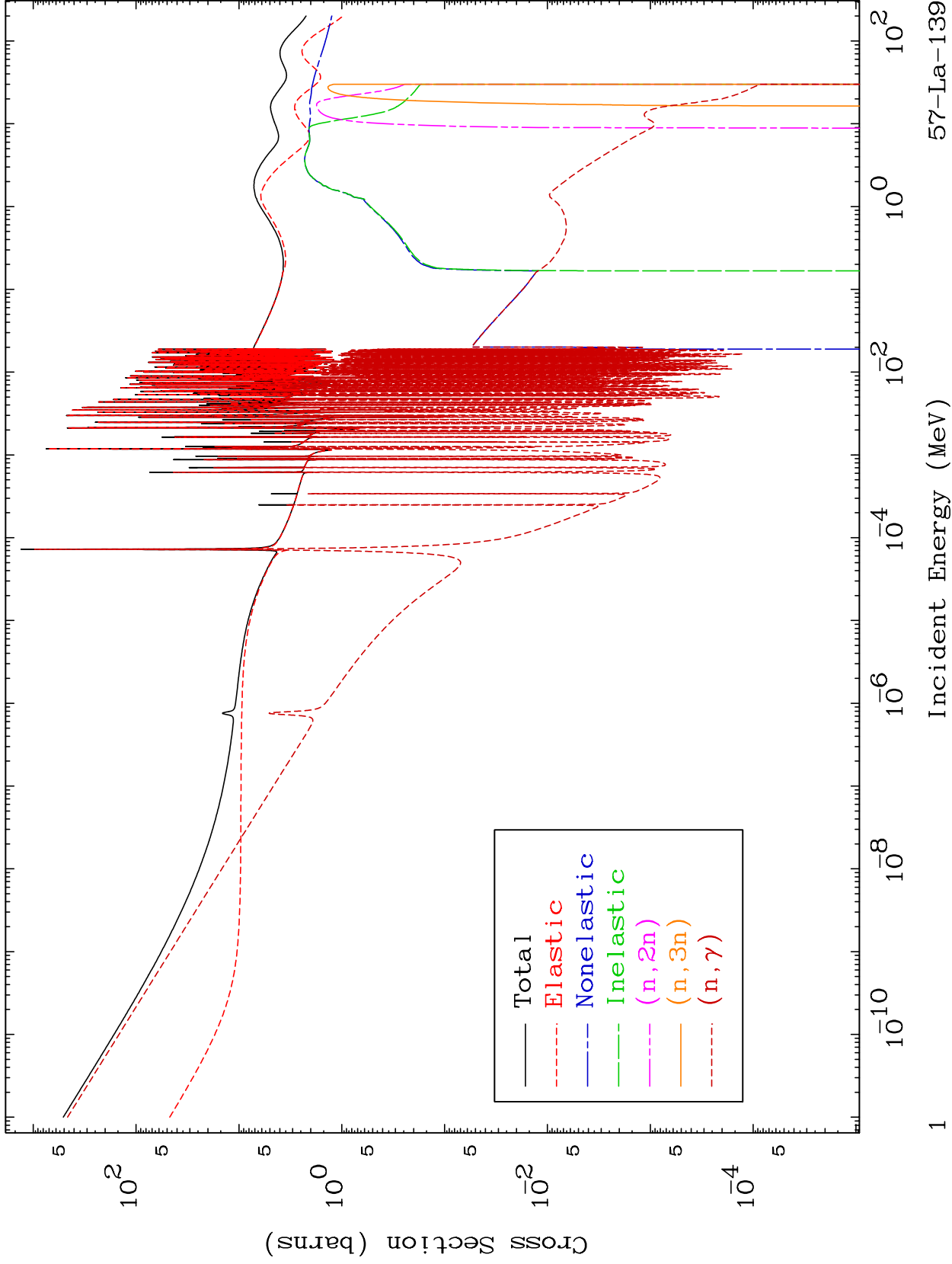
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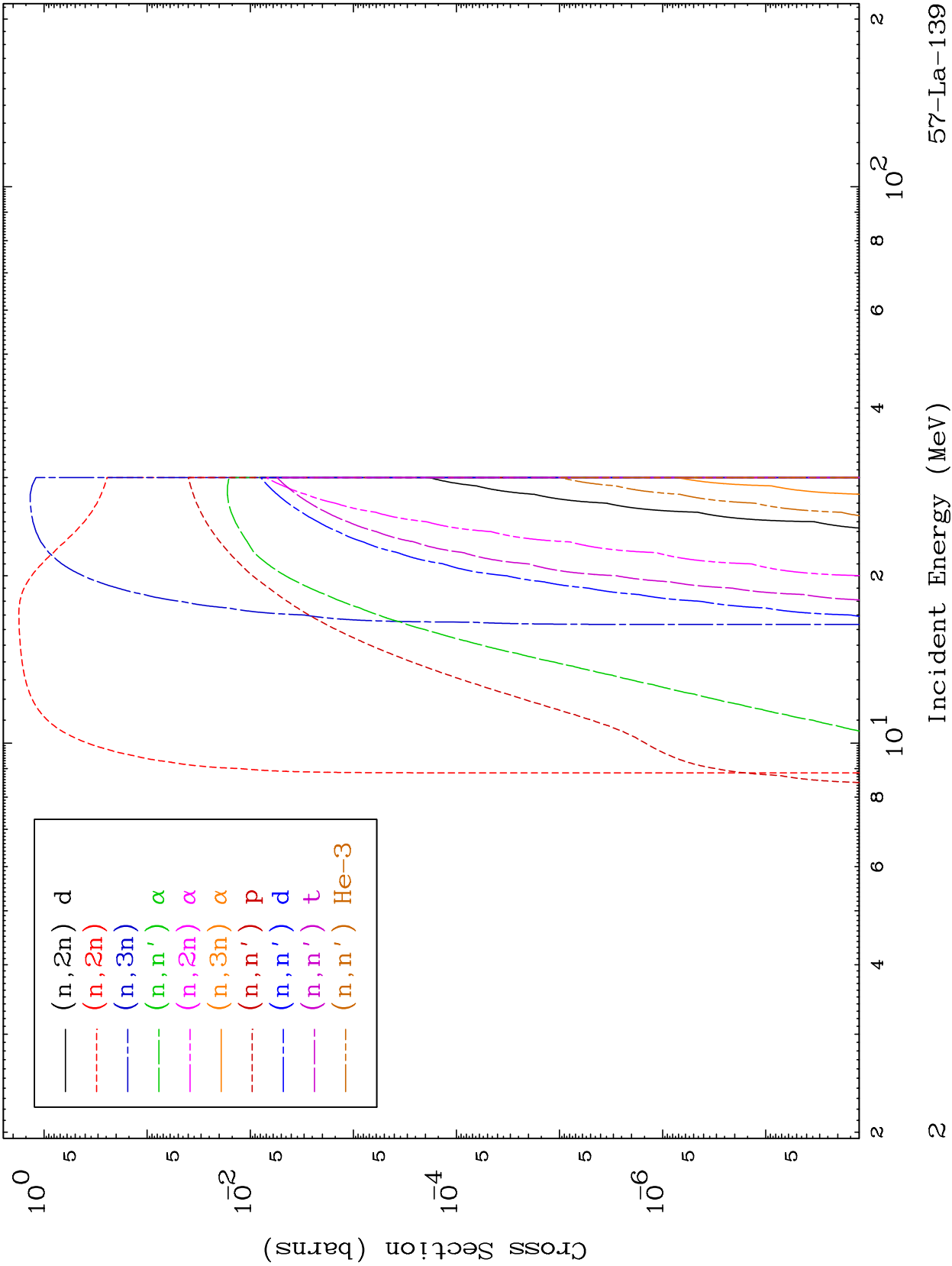
Press Mouse Button to Start

MAT 5728

Neutron Major
293 Kelvin Cross Sections

57-La-139

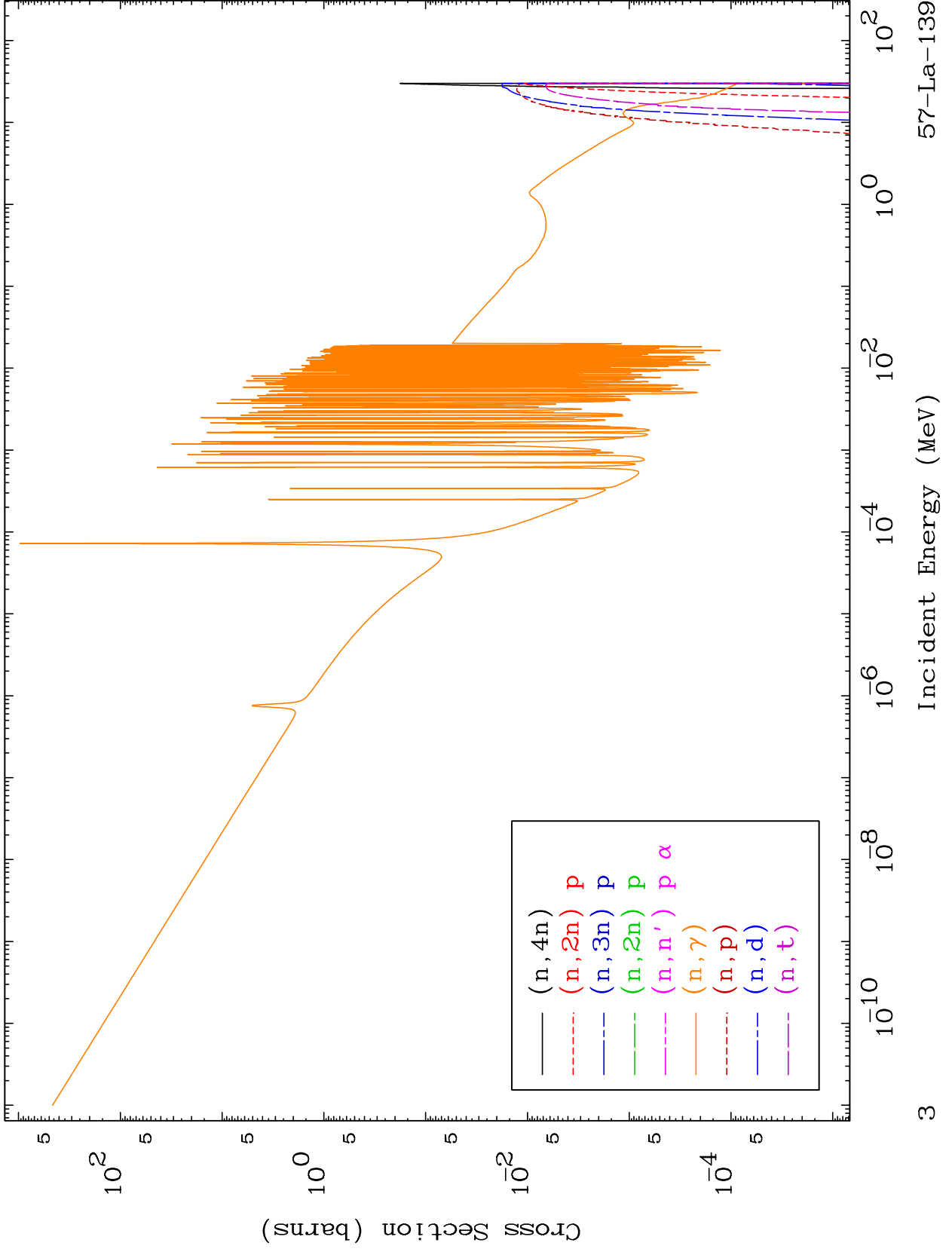




MAT 5728

Neutron Absorption
293 Kelvin Cross Sections

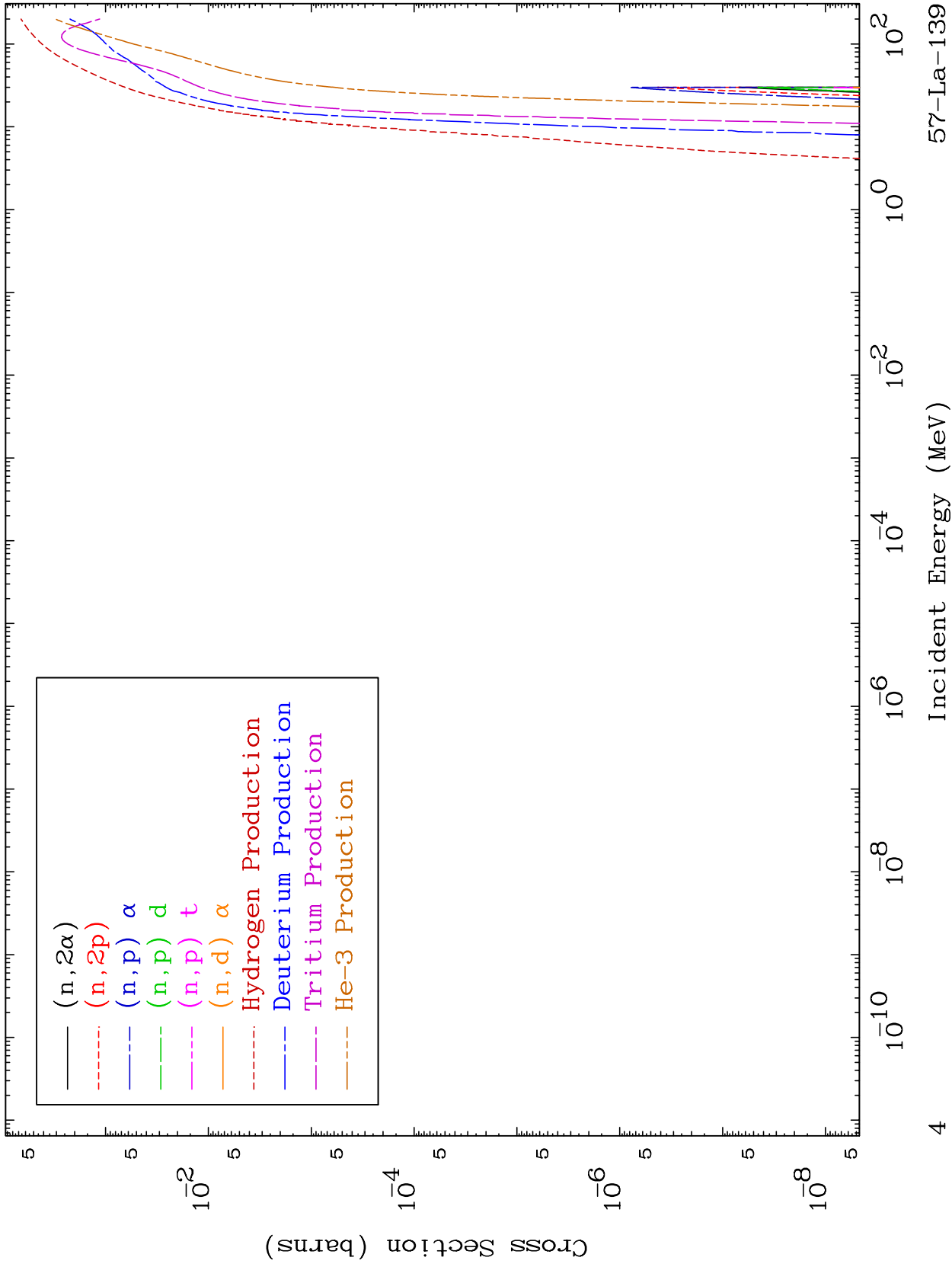
57-La-139

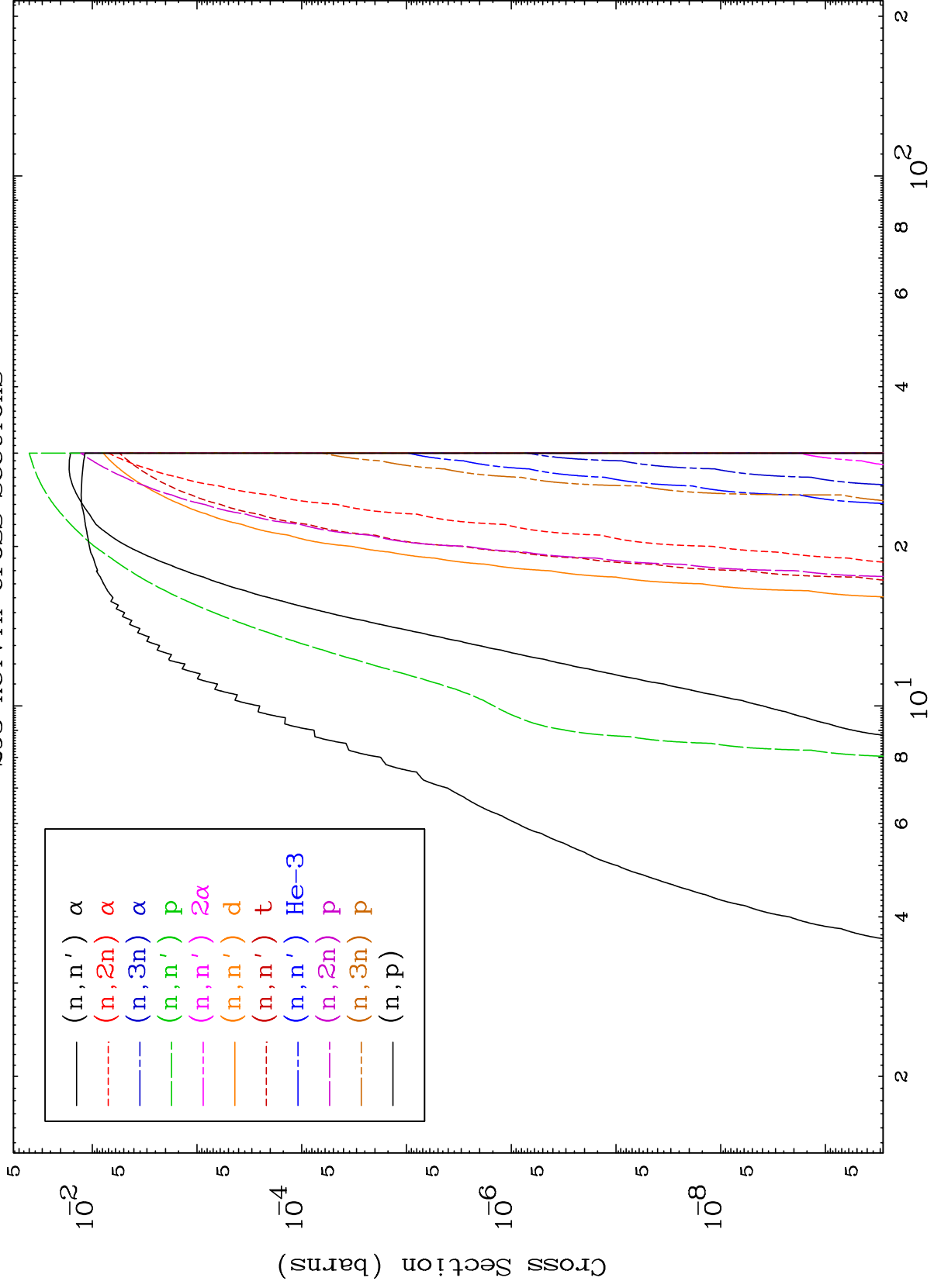


MAT 5728

Neutron Absorption
293 Kelvin Cross Sections

57-La-139

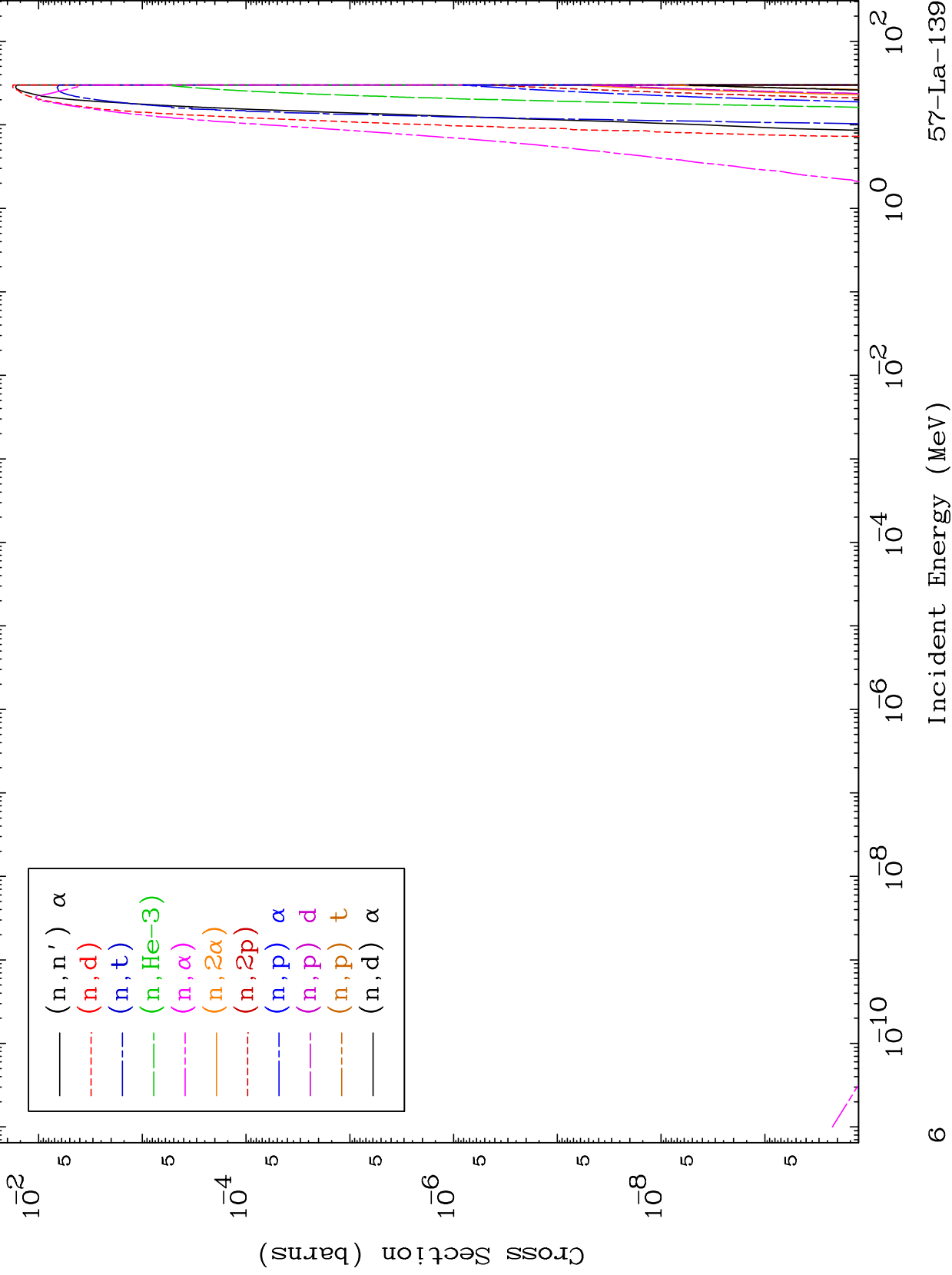


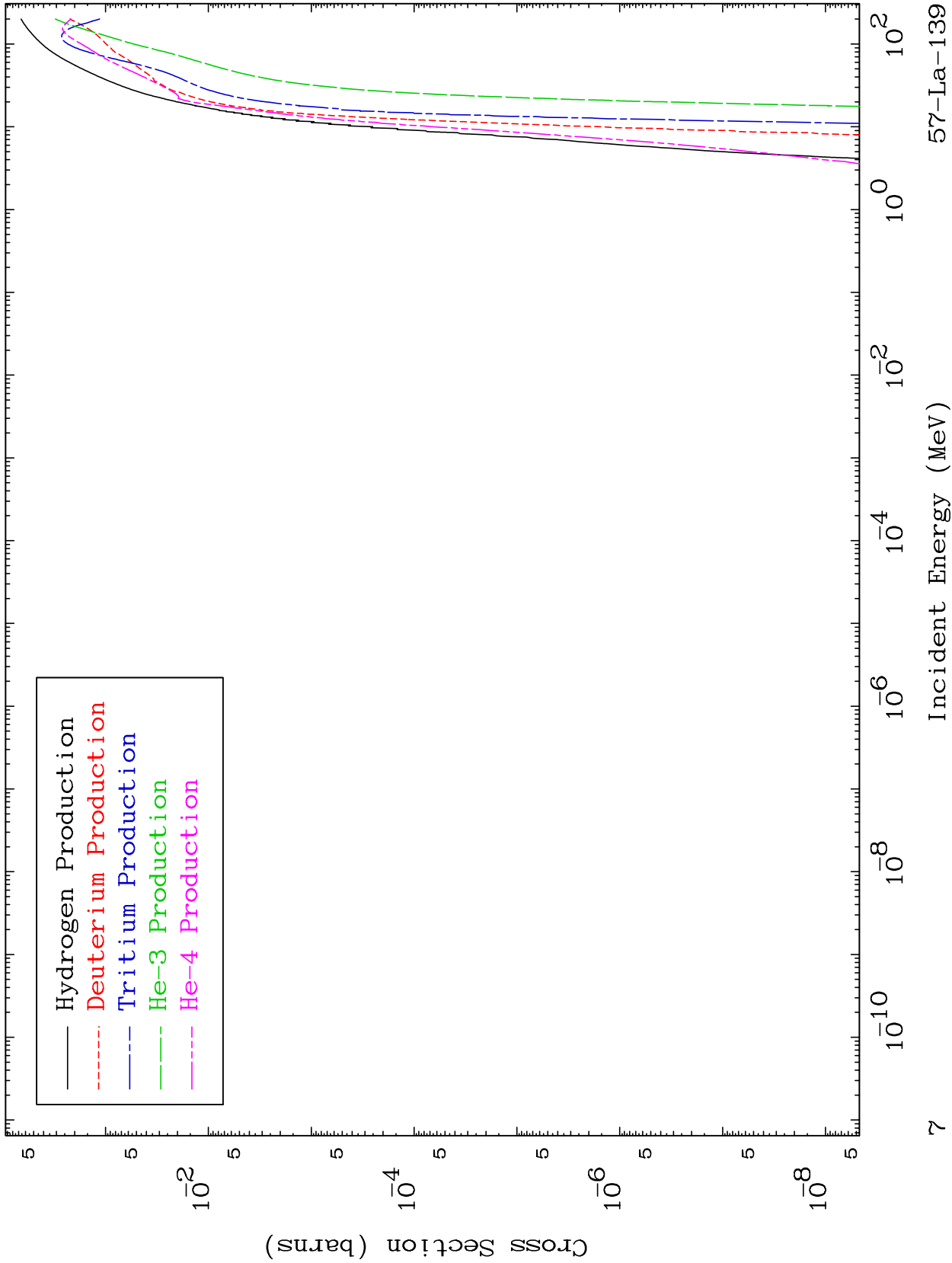


MAT 5728

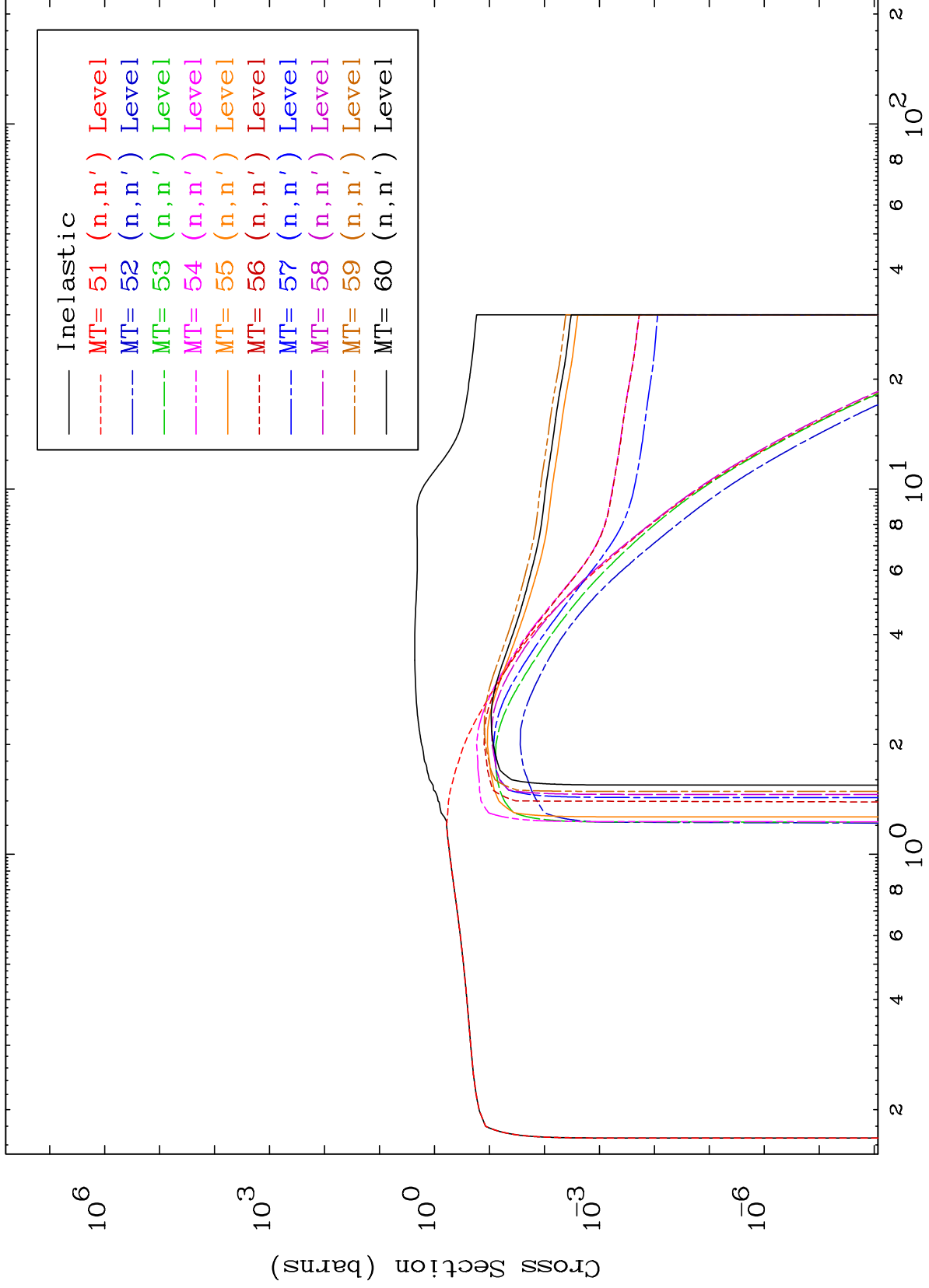
Charged Particle
293 Kelvin Cross Sections

57-La-139

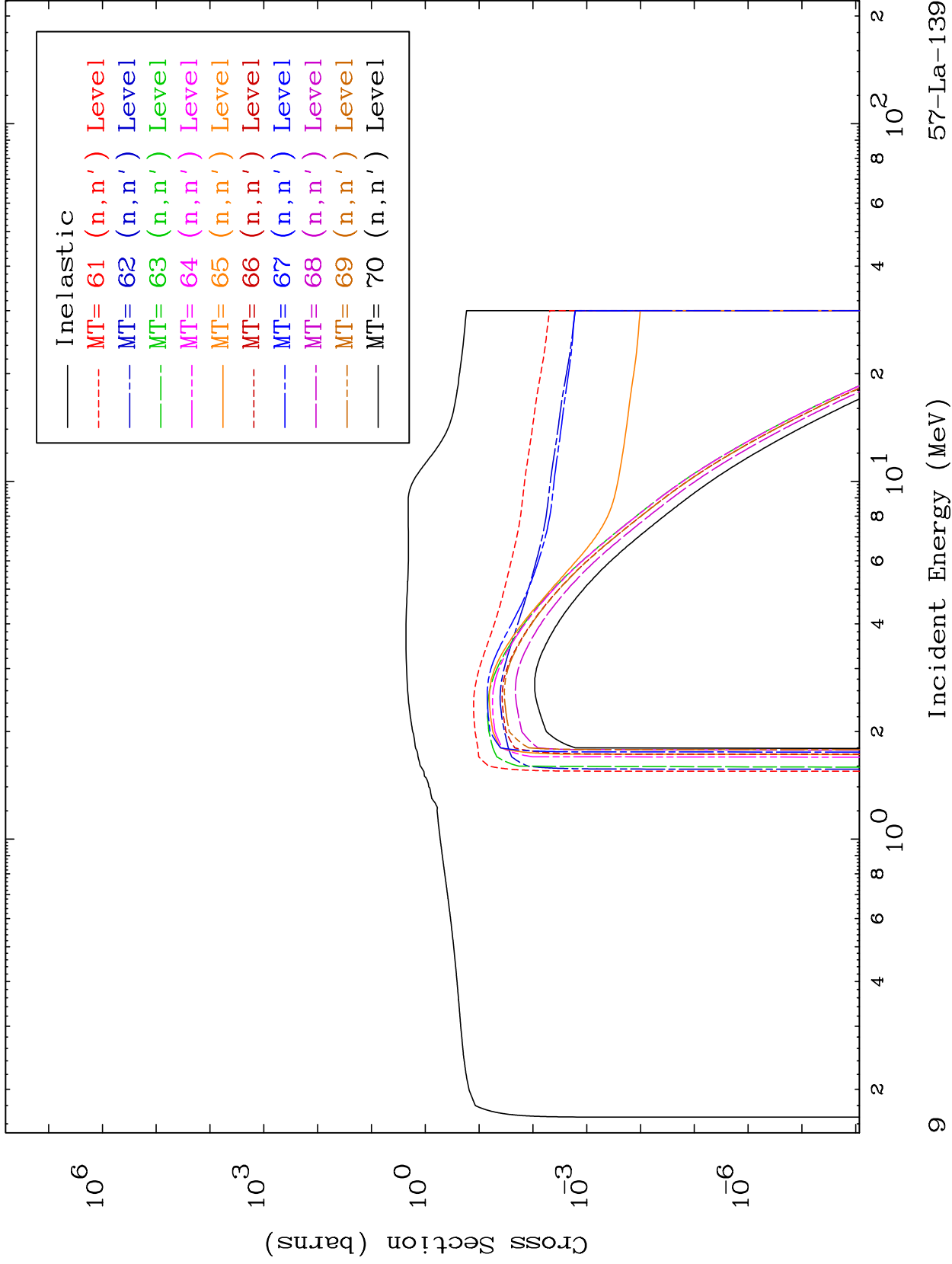




293 Kelvin Cross Sections



293 Kelvin Cross Sections

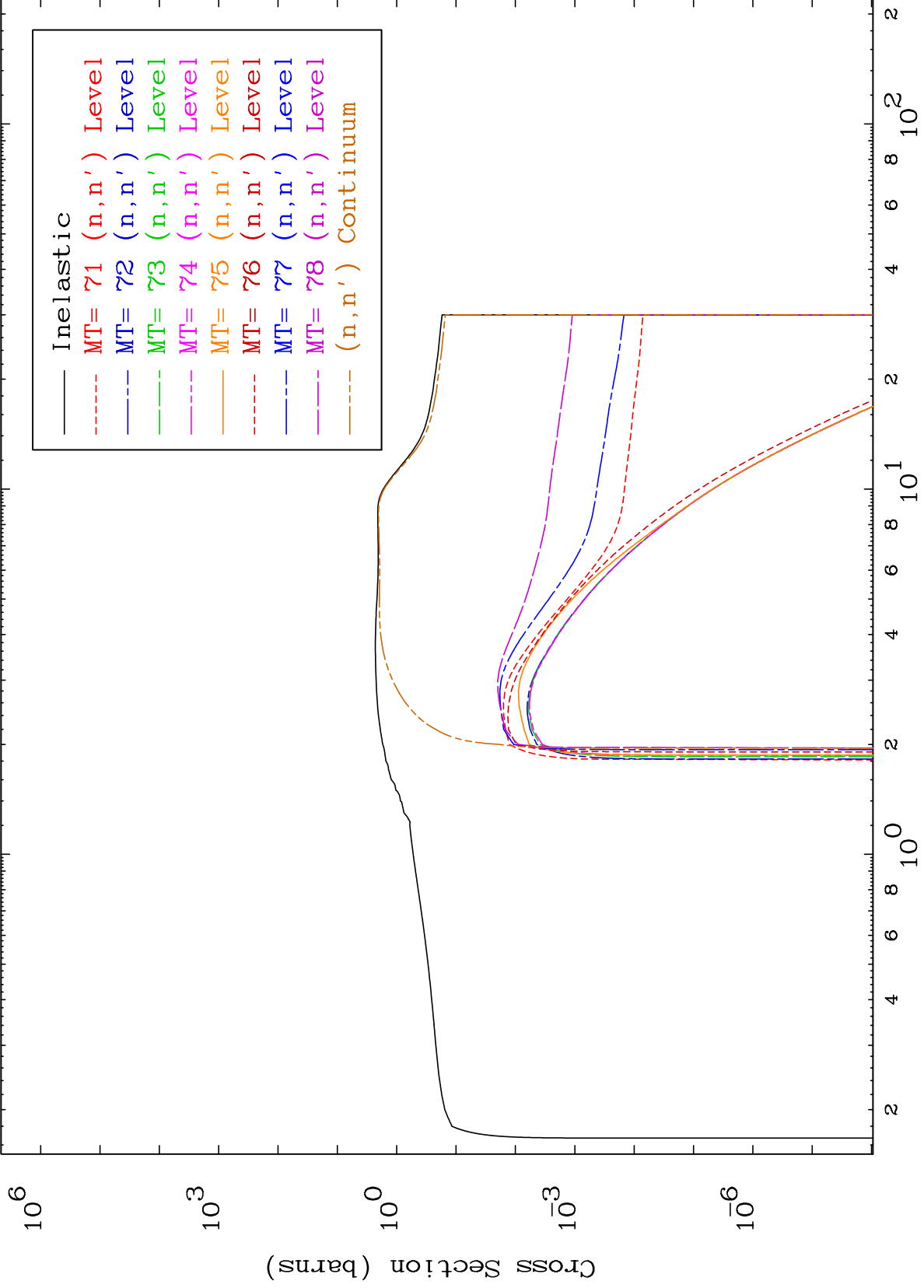


MAT 5728

(n,n') Levels

57-La-139

293 Kelvin Cross Sections



10

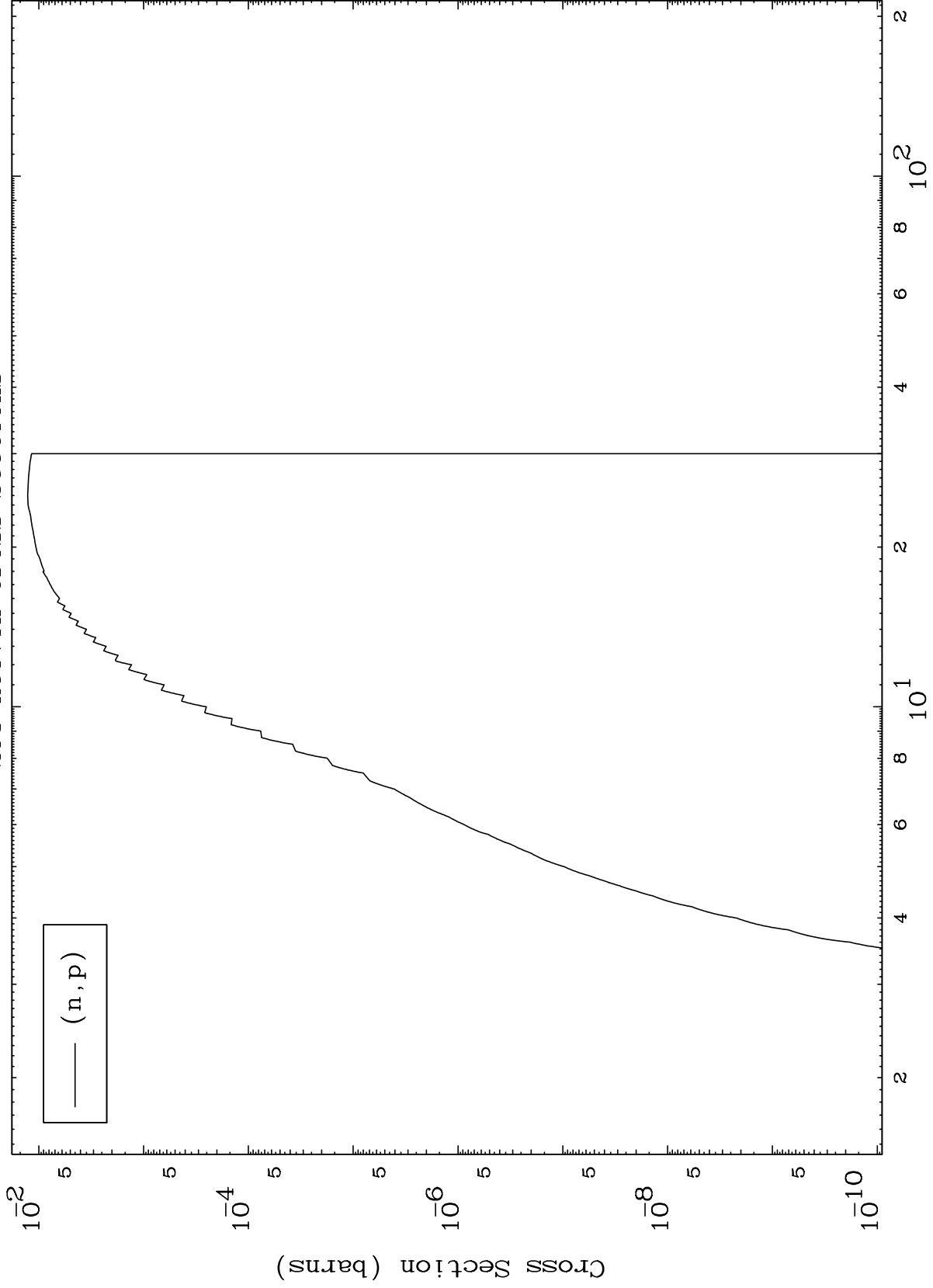
Incident Energy (MeV)

57-La-139

MAT 5728

(n,p) Levels
293 Kelvin Cross Sections

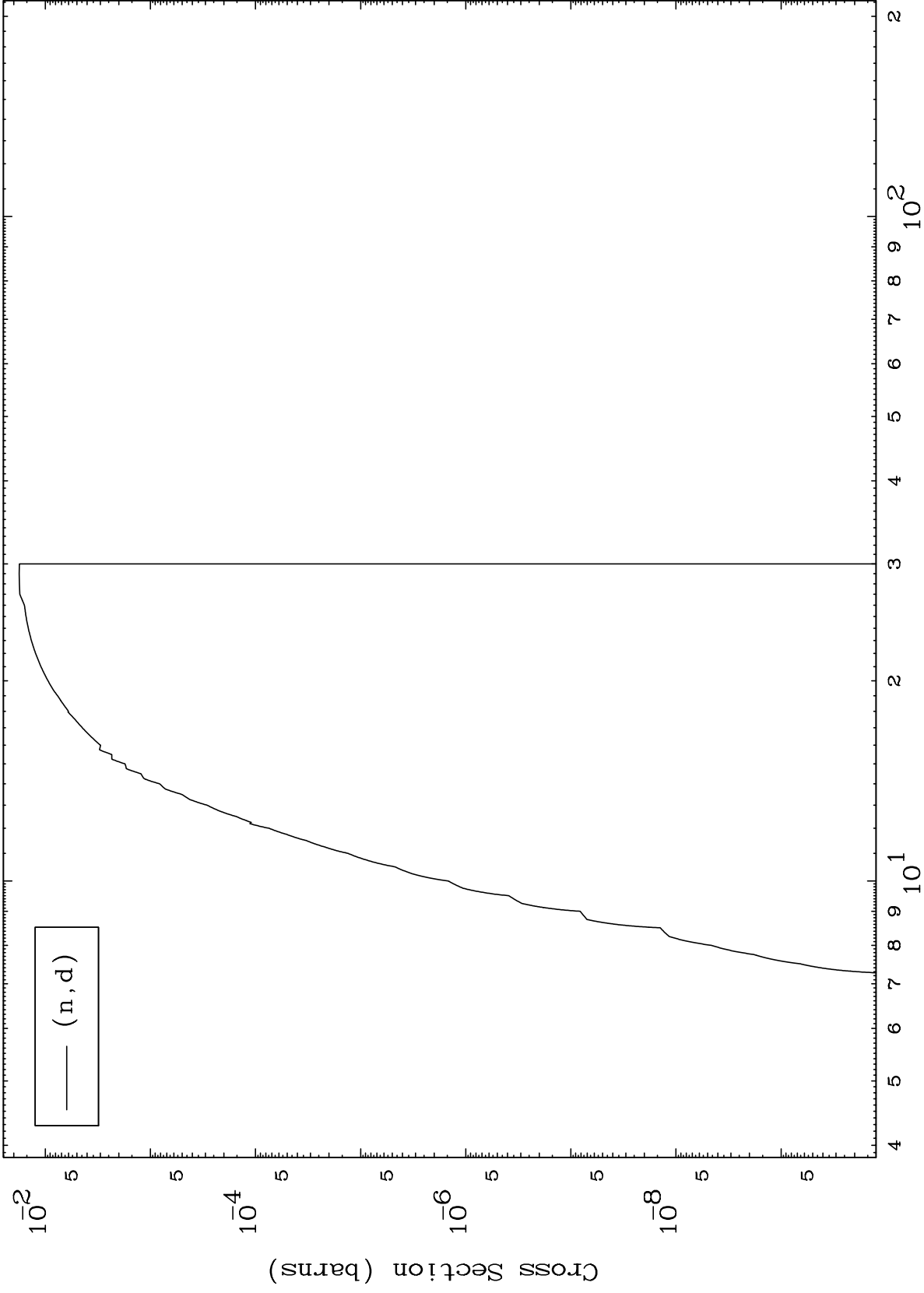
57-La-139



MAT 5728

(n,d) Levels
293 Kelvin Cross Sections

57-La-139



12

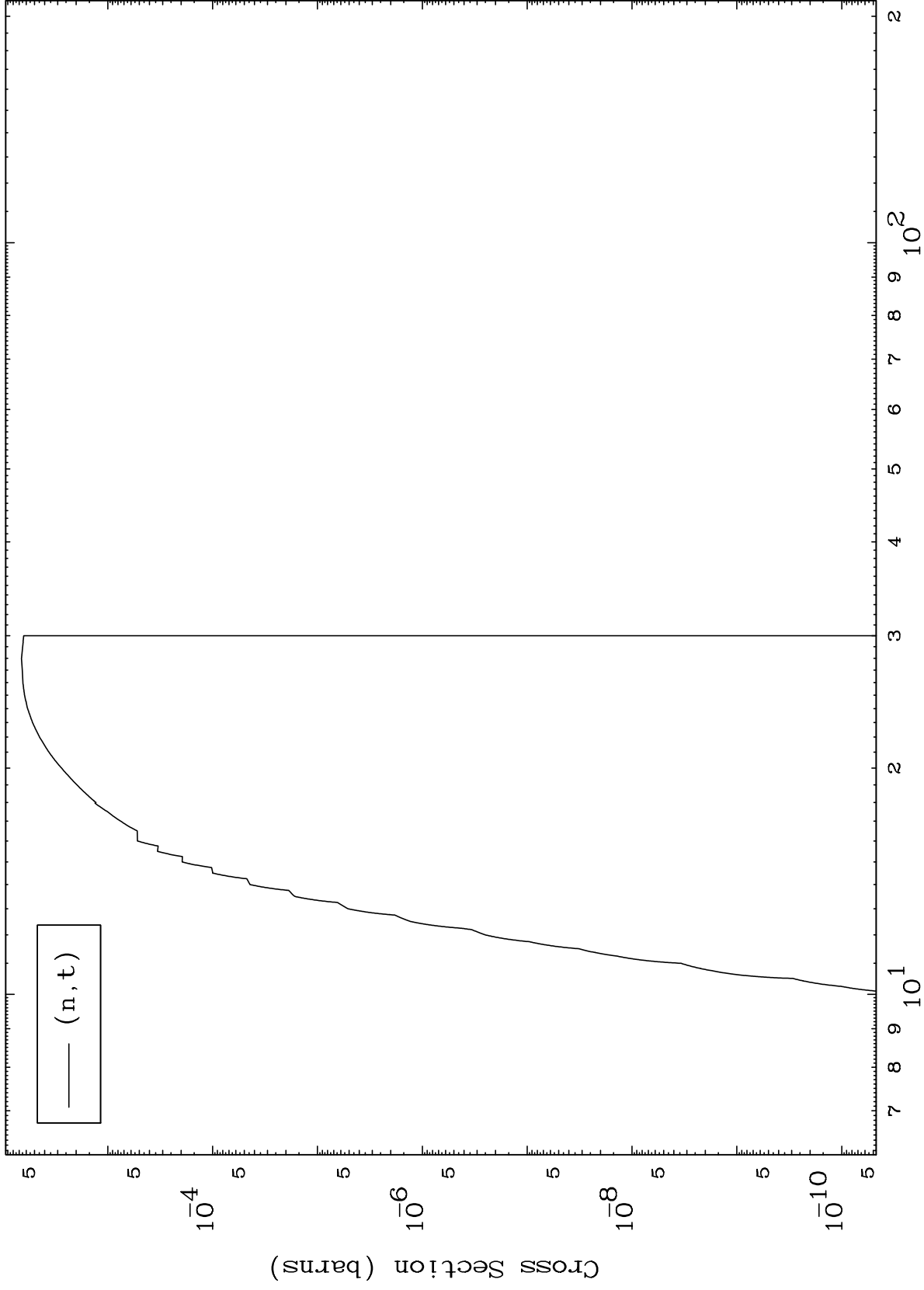
Incident Energy (MeV)

57-La-139

MAT 5728

(n,t) Levels
293 Kelvin Cross Sections

57-La-139



13

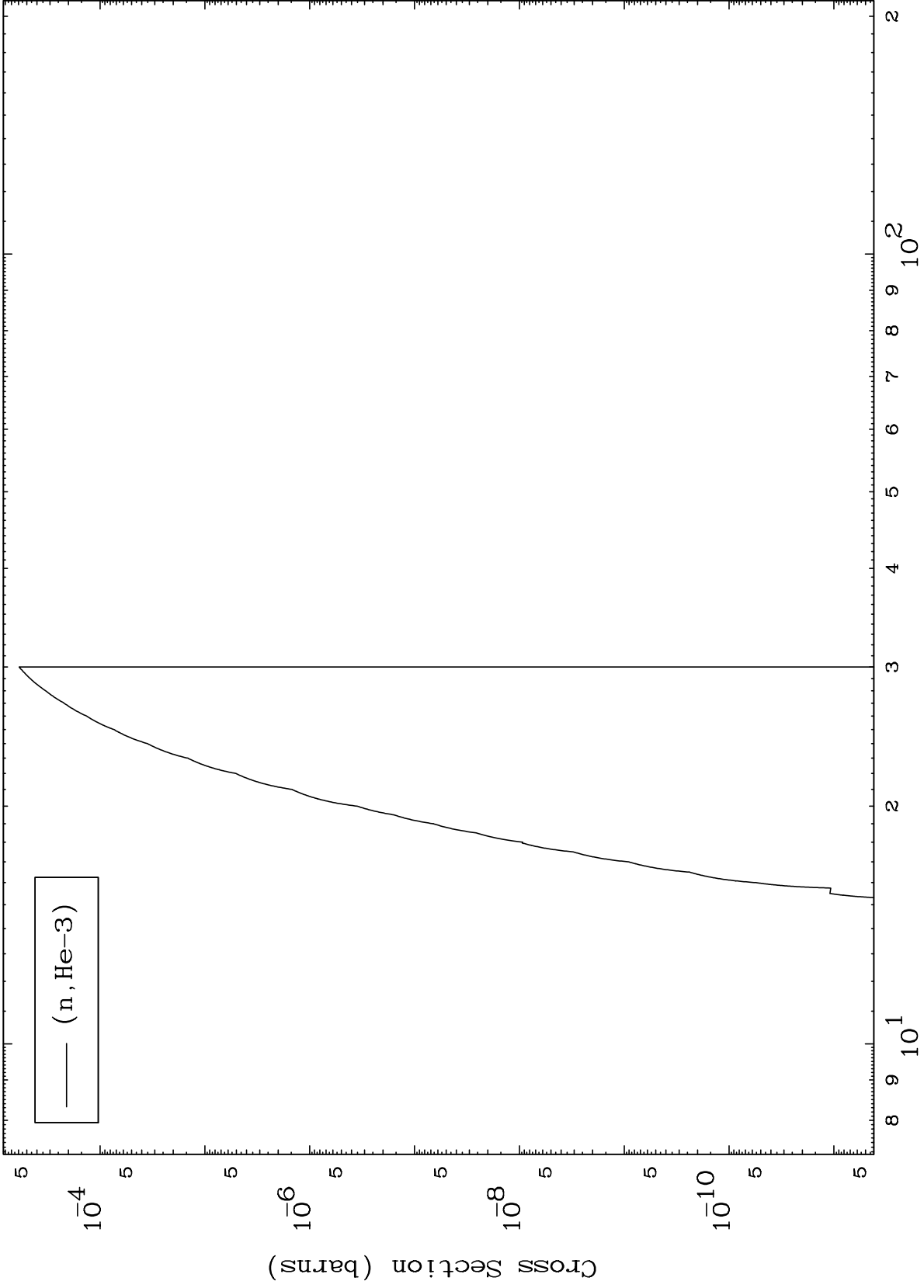
Incident Energy (MeV)

57-La-139

MAT 5728

(n,He3) Levels
293 Kelvin Cross Sections

57-La-139



14

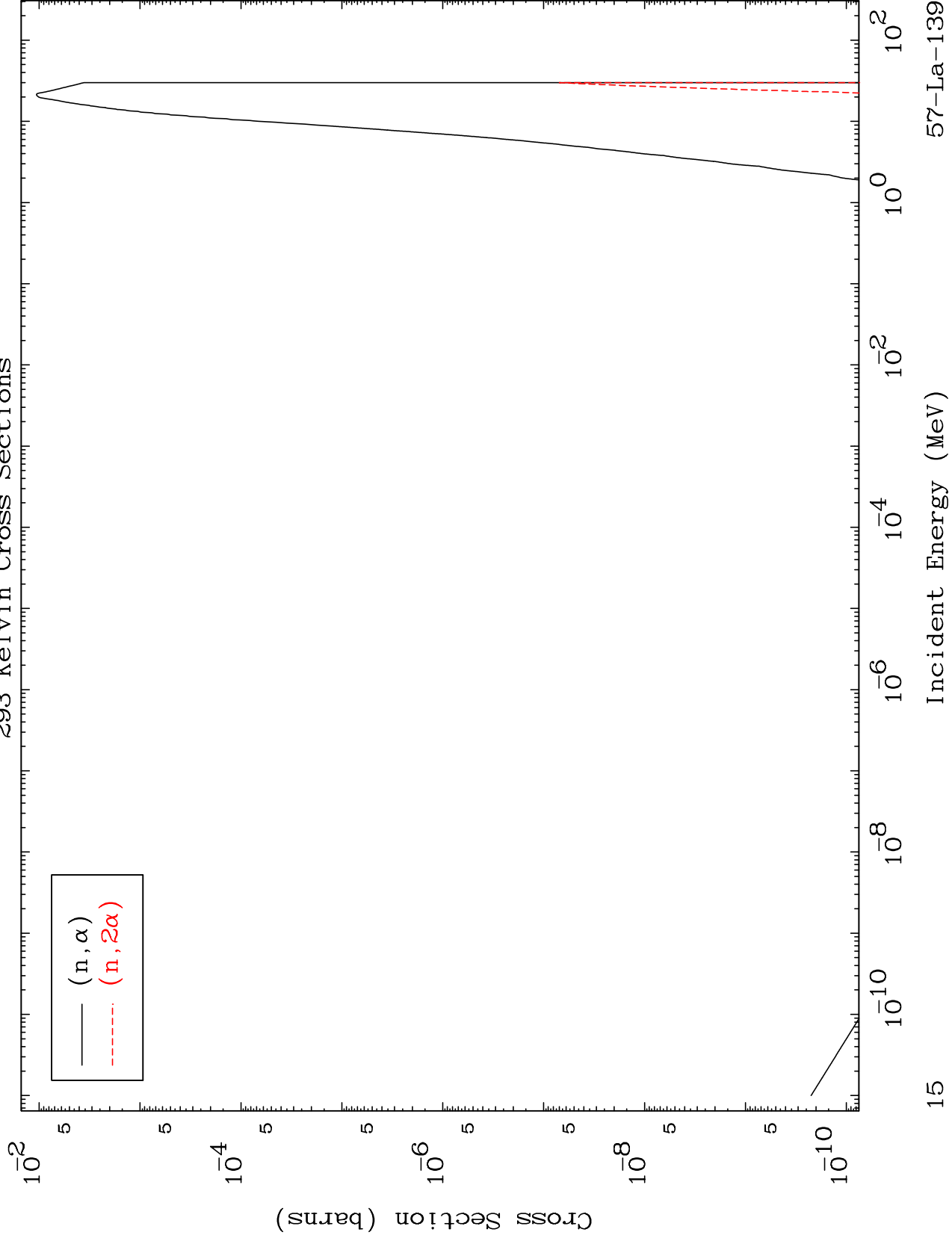
Incident Energy (MeV)

57-La-139

MAT 5728

(n, α) Levels
293 Kelvin Cross Sections

57-La-139



57-La-139

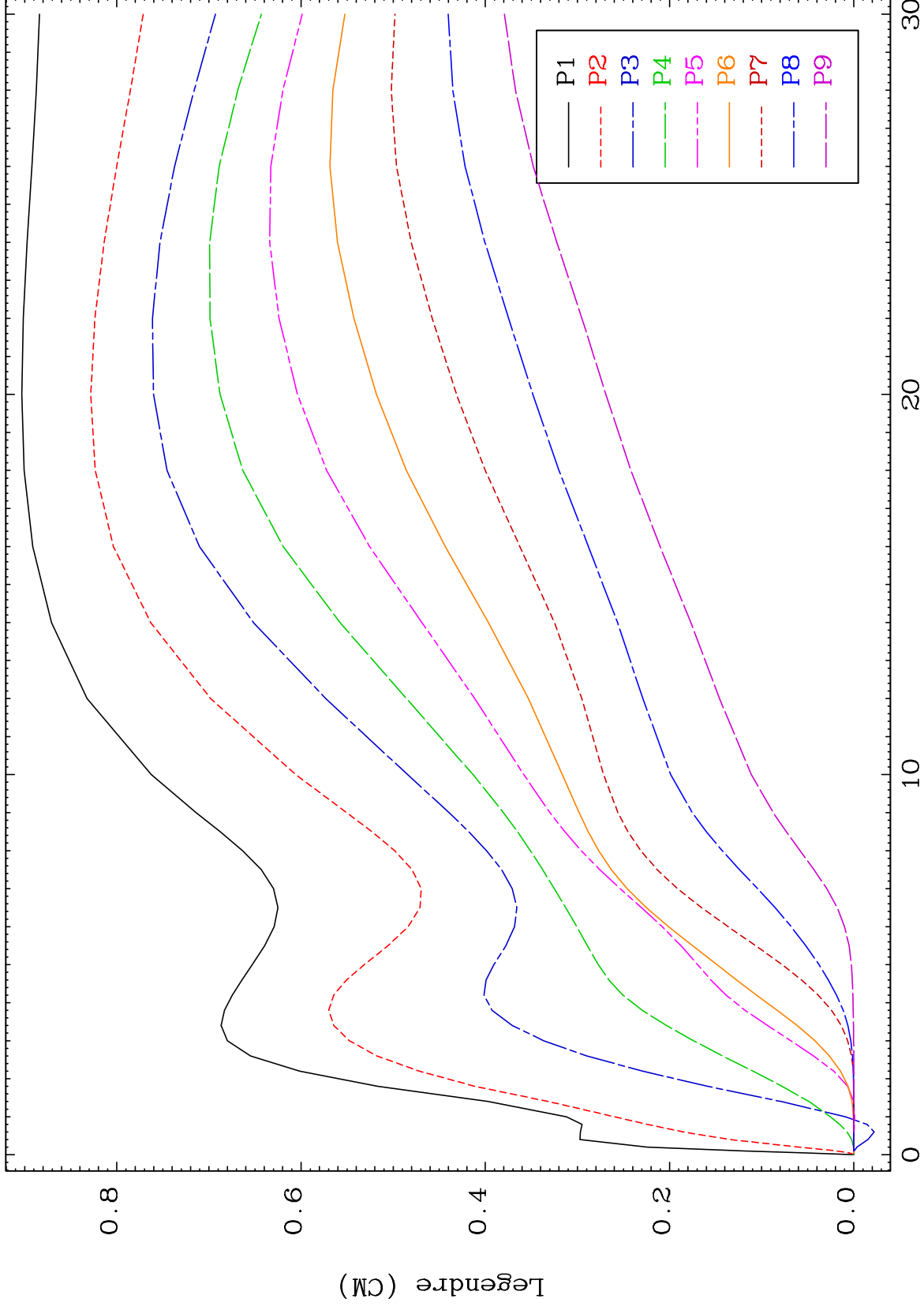
Incident Energy (MeV)

15

MAT 5728

57-La-139

Elastic Legendre Coefficients



57-La-139

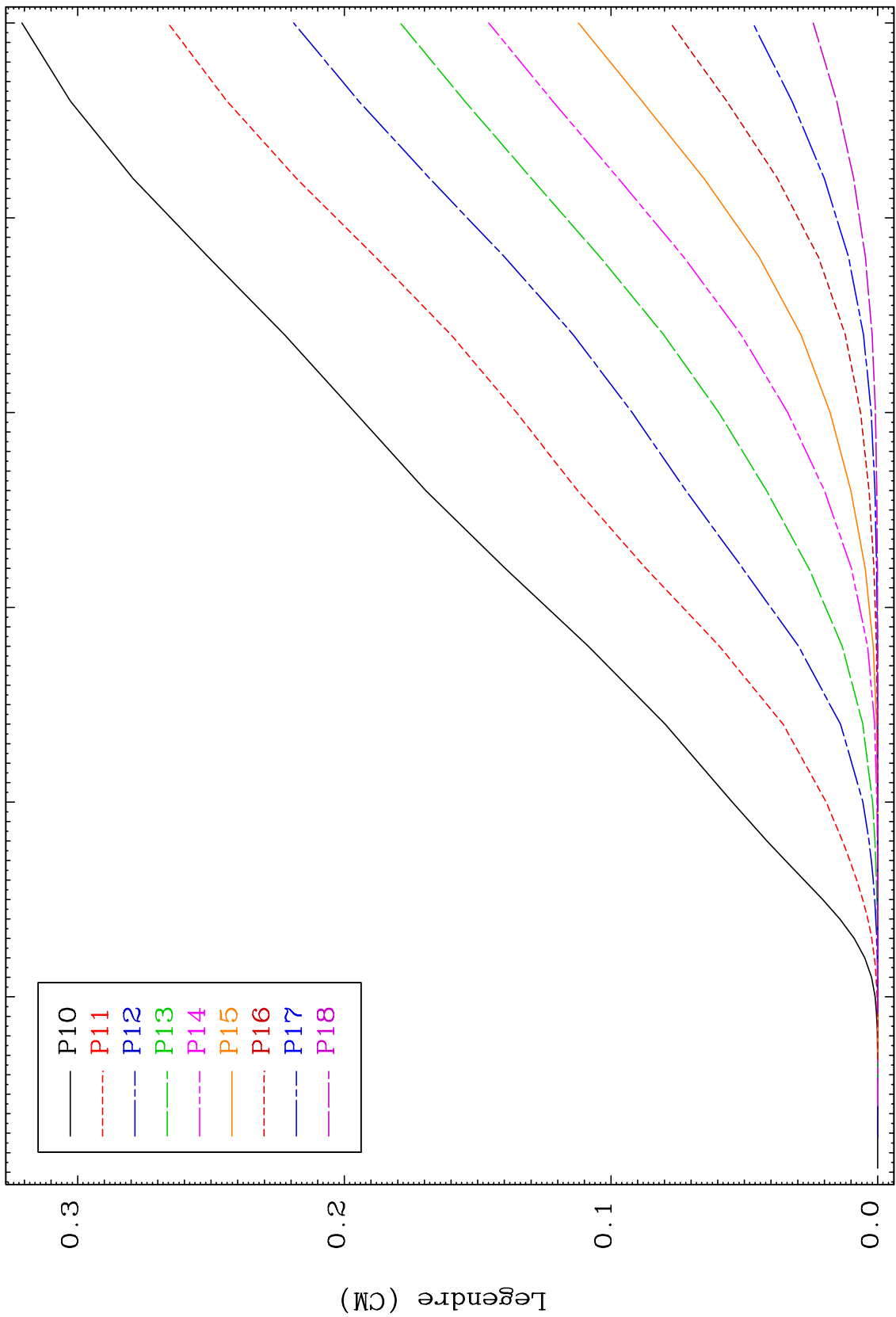
Incident Energy (MeV)

16

MAT 5728

Elastic Legendre Coefficients

57-La-139



17

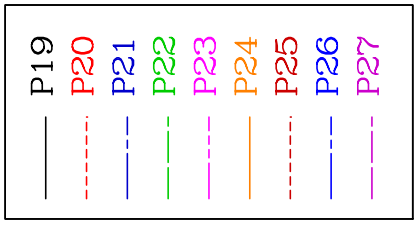
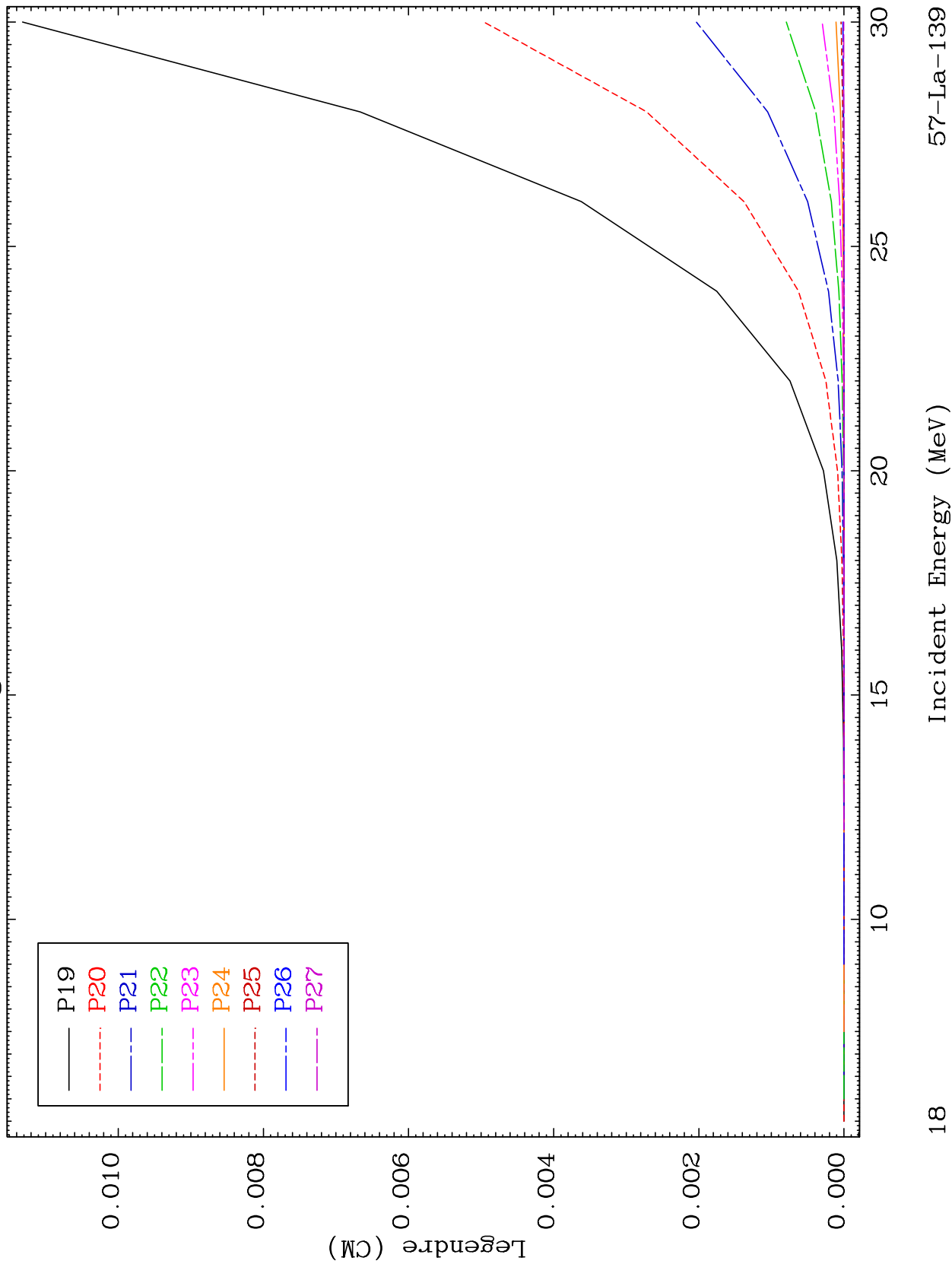
Incident Energy (MeV)

57-La-139

MAT 5728

Elastic Legendre Coefficients

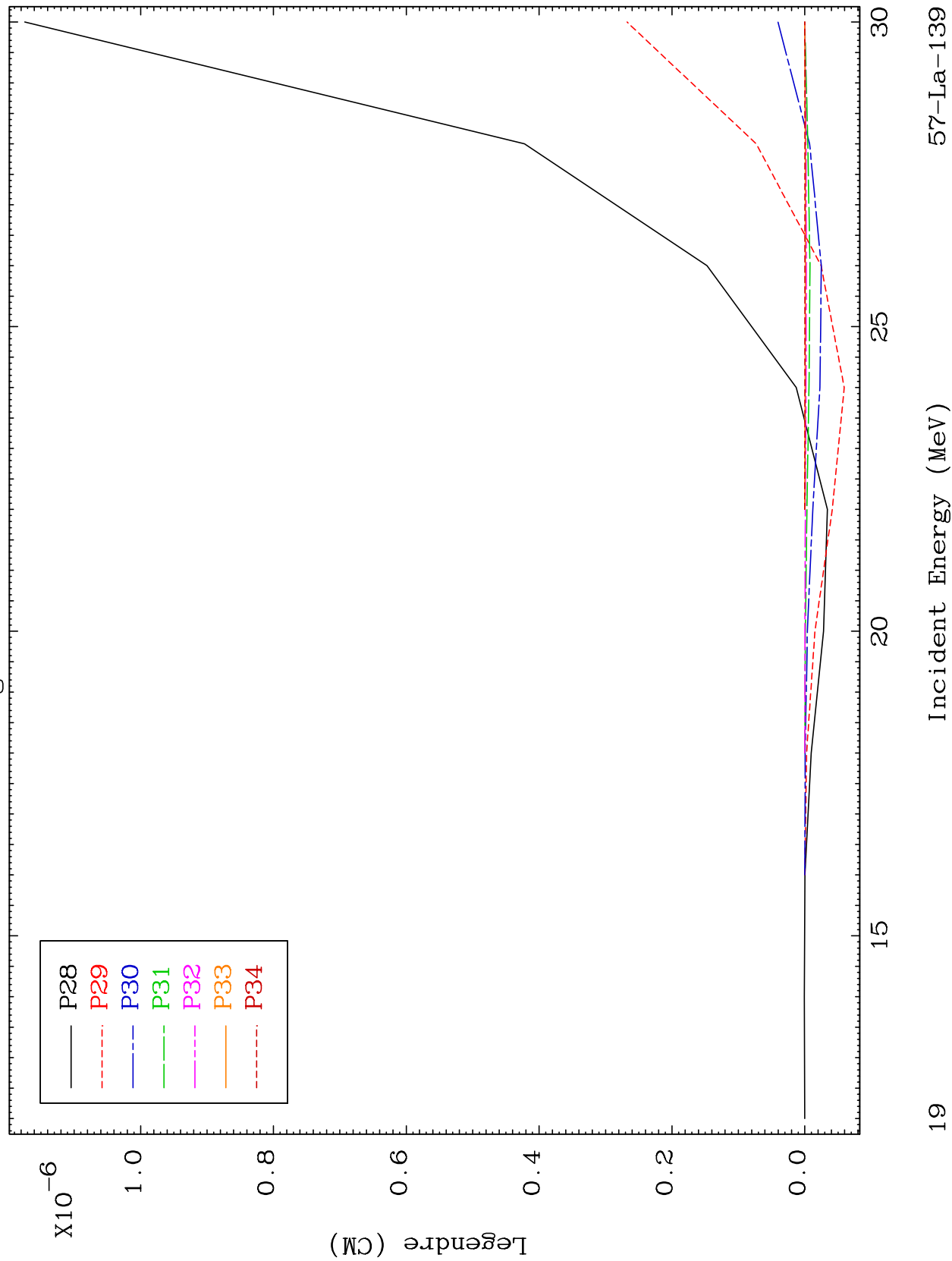
57-La-139



MAT 5728

Elastic Legendre Coefficients

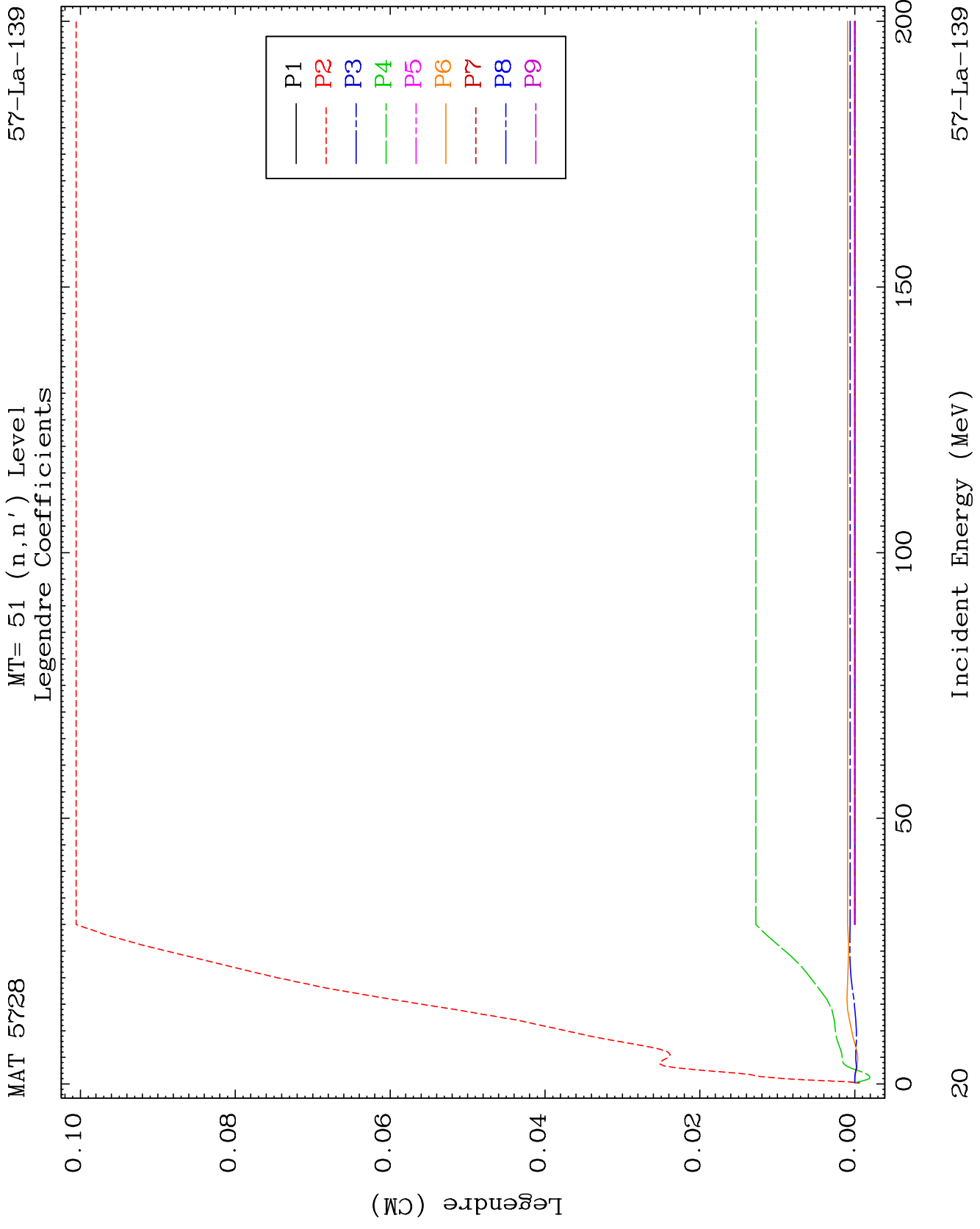
57-La-139



19

Incident Energy (MeV)

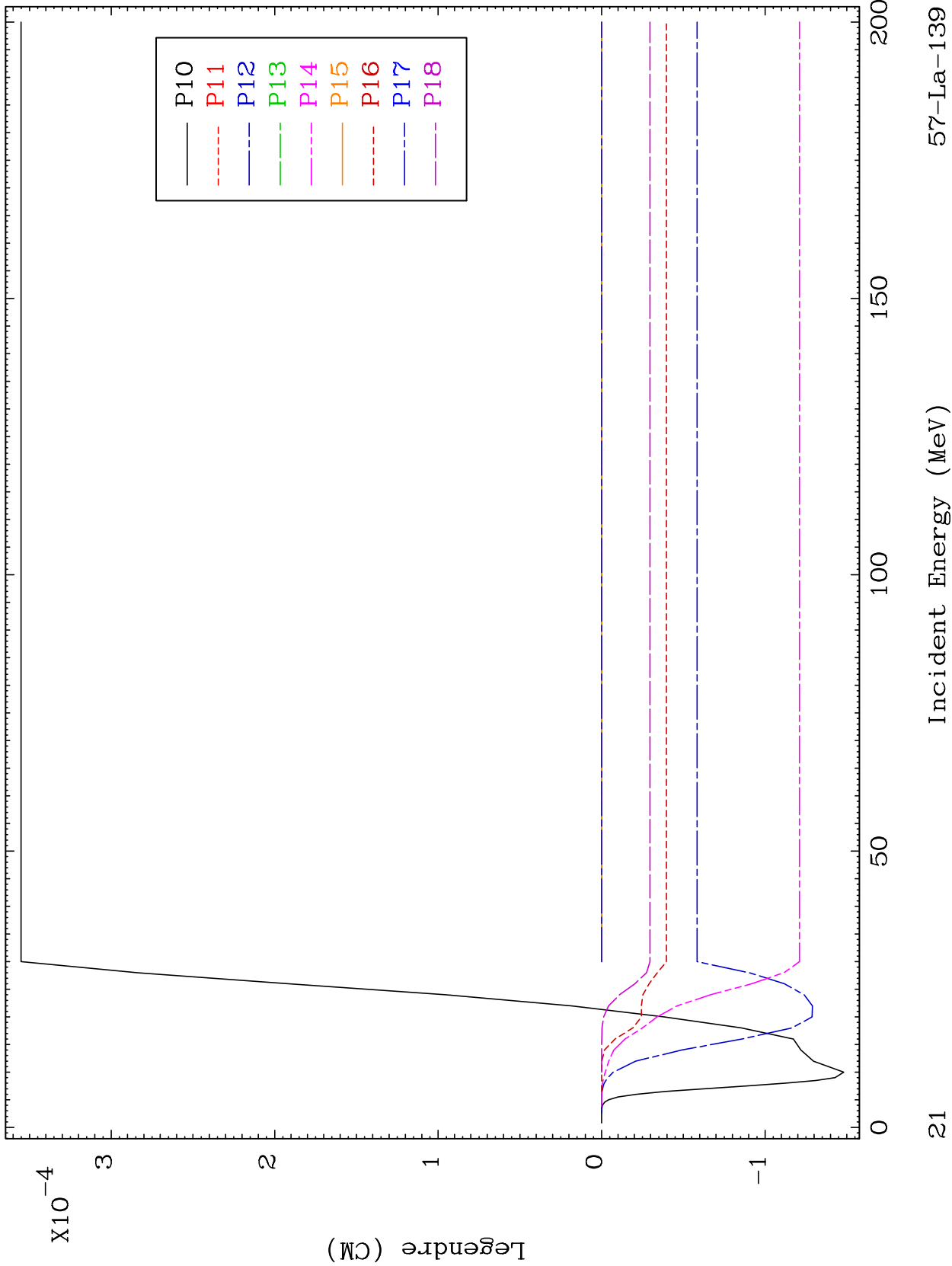
57-La-139



MAT 5728

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

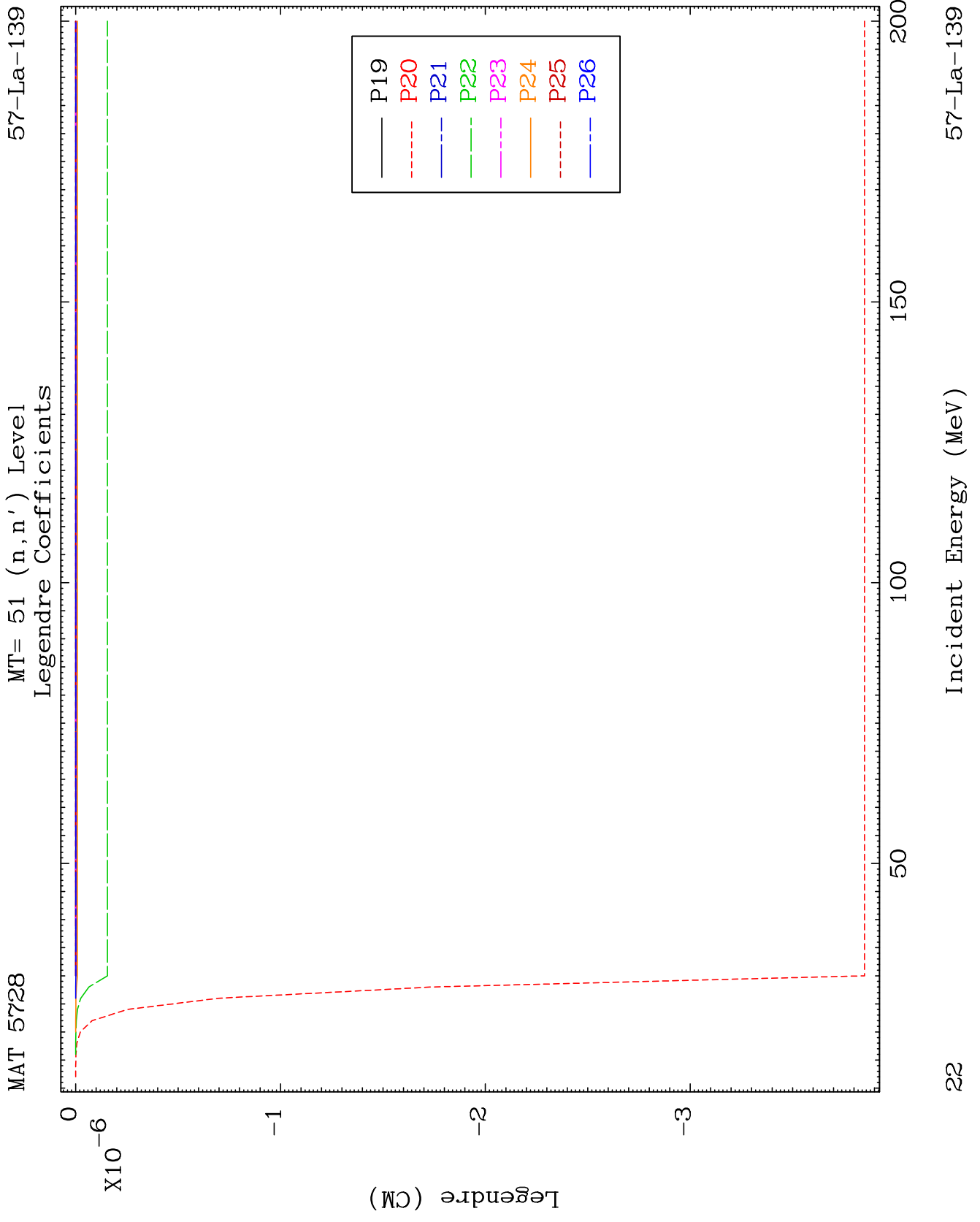
57-La-139



21

Incident Energy (MeV)

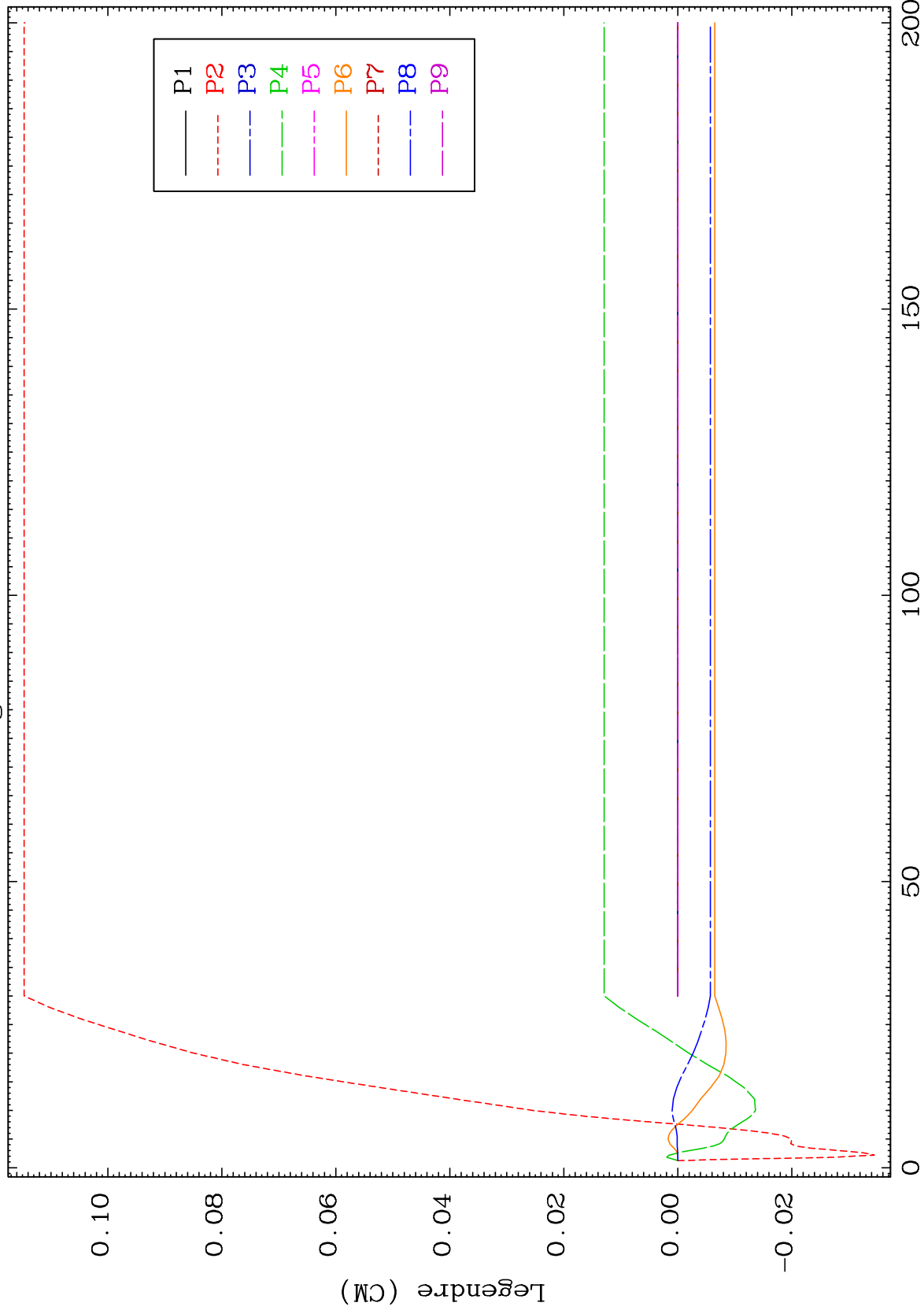
57-La-139



MAT 5728

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

57-La-139



23

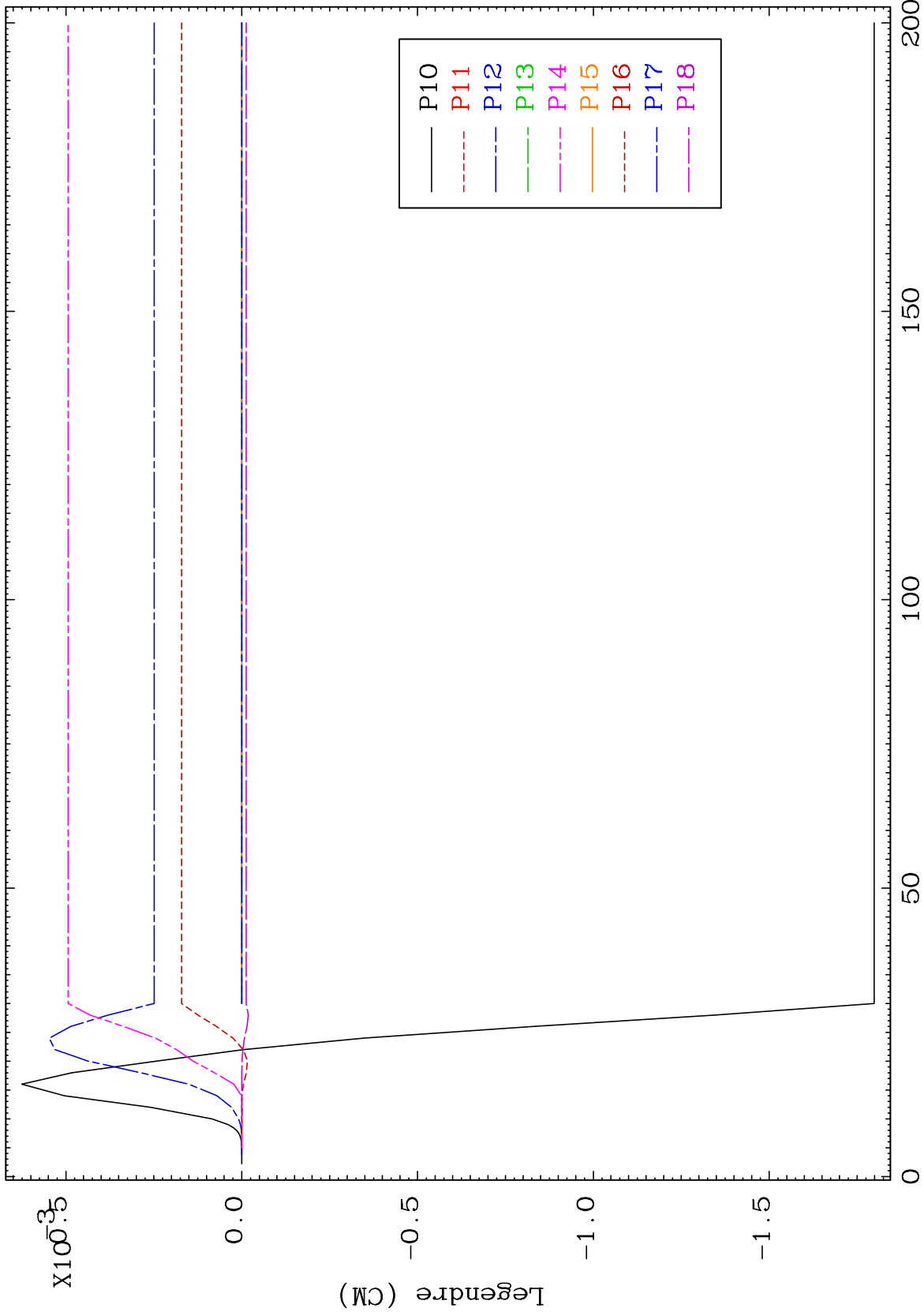
Incident Energy (MeV)

57-La-139

MAT 5728

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

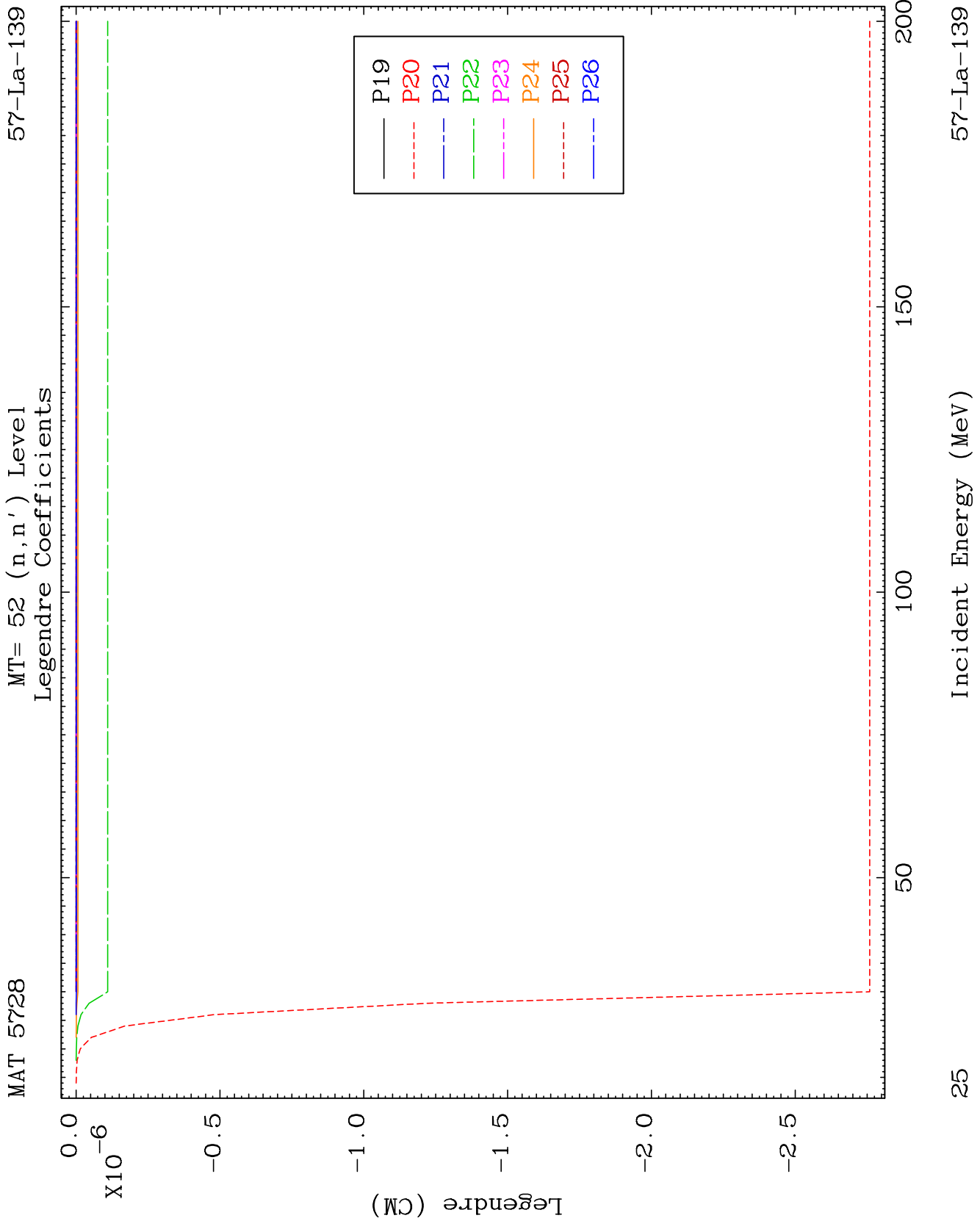
57-La-139

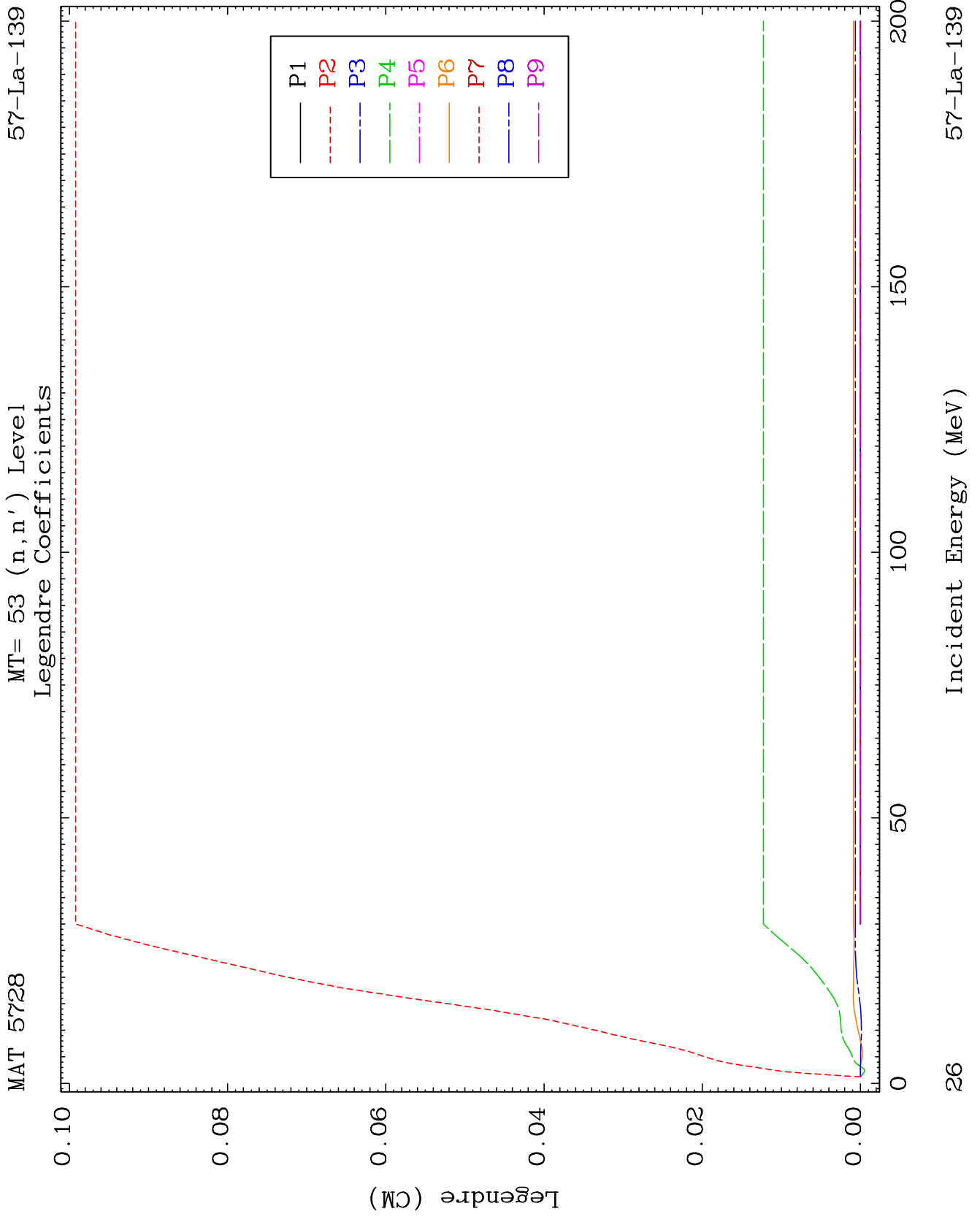


24

Incident Energy (MeV)

57-La-139

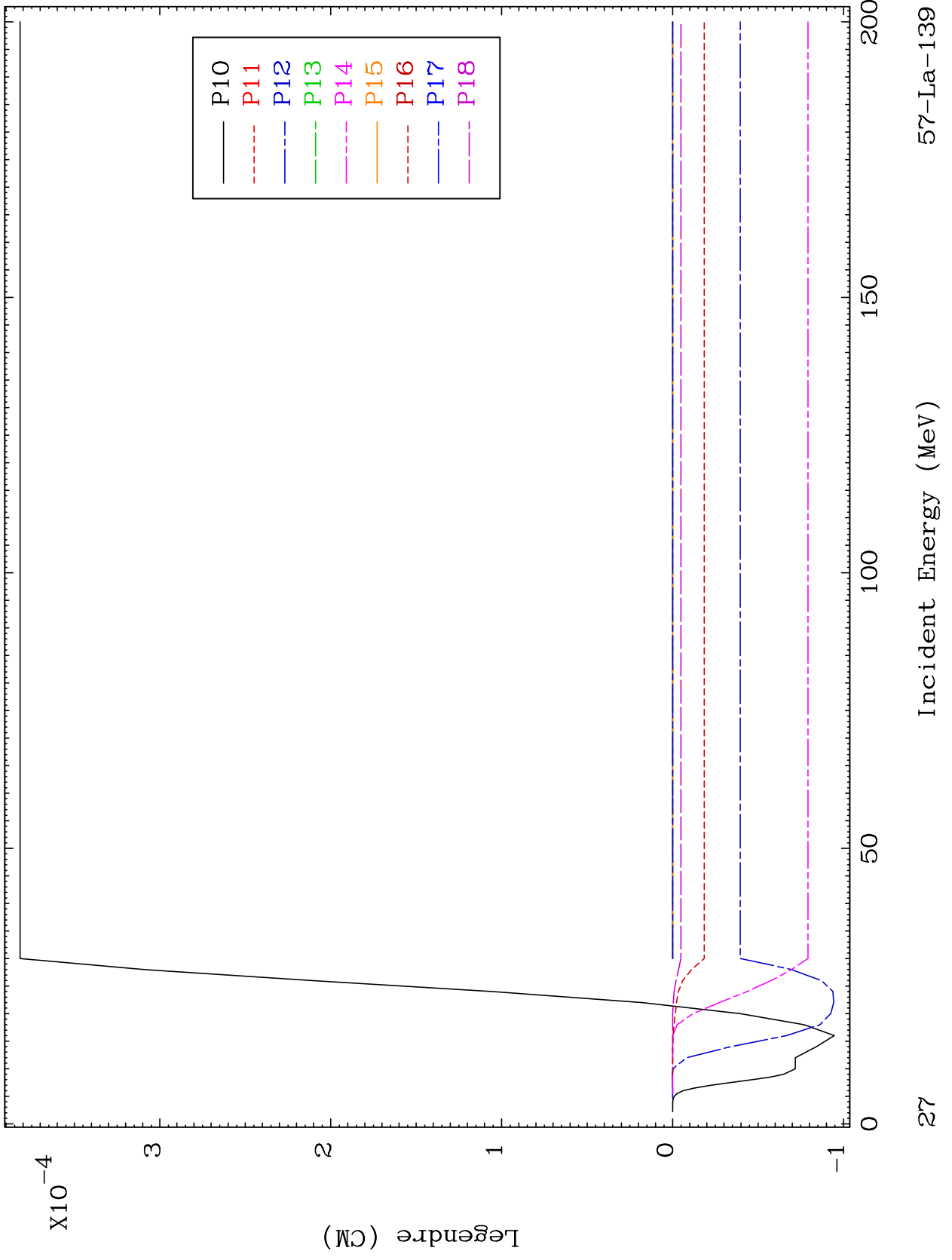




MAT 5728

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

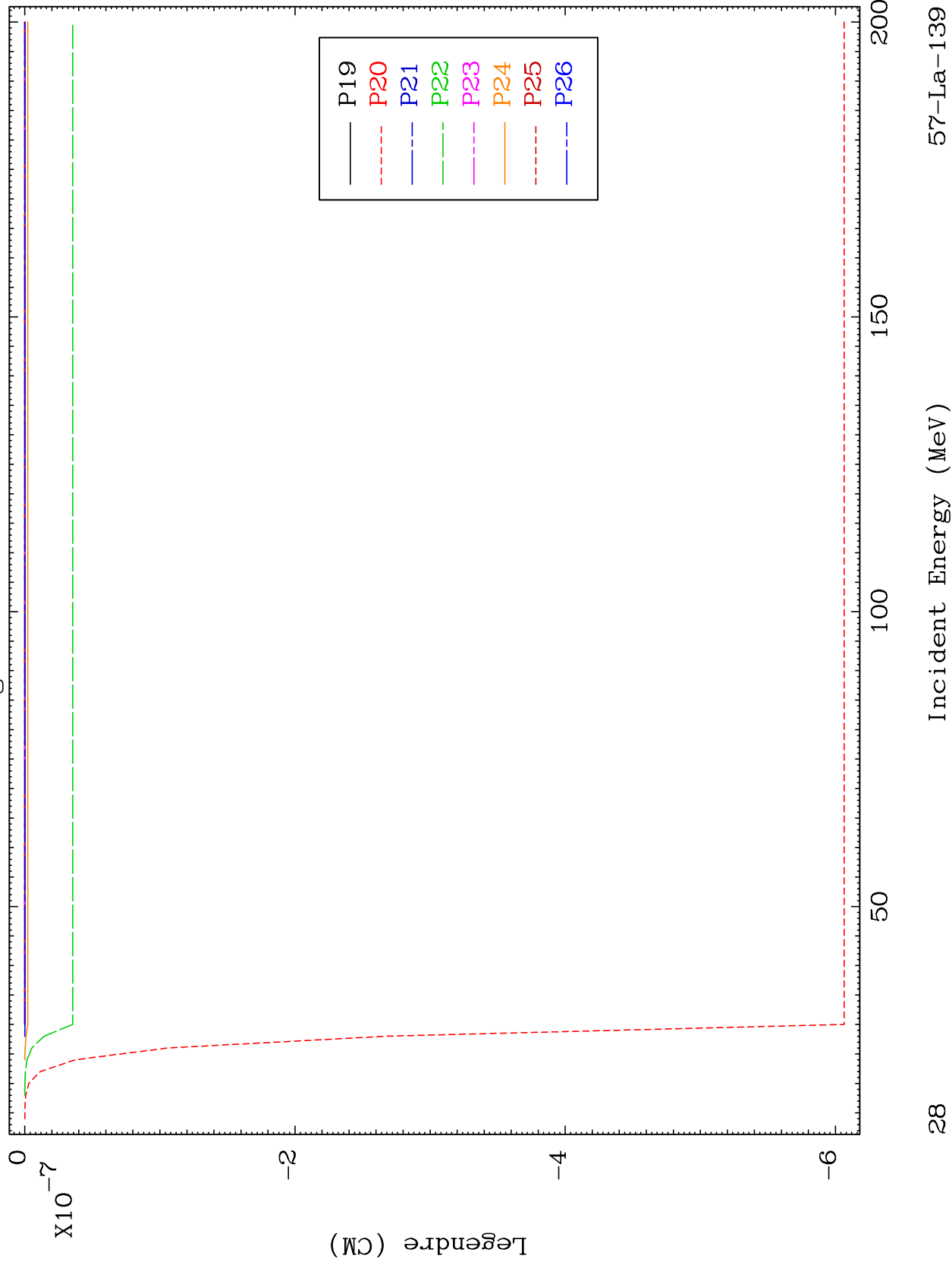
57-La-139



MAT 5728

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

57-La-139



28

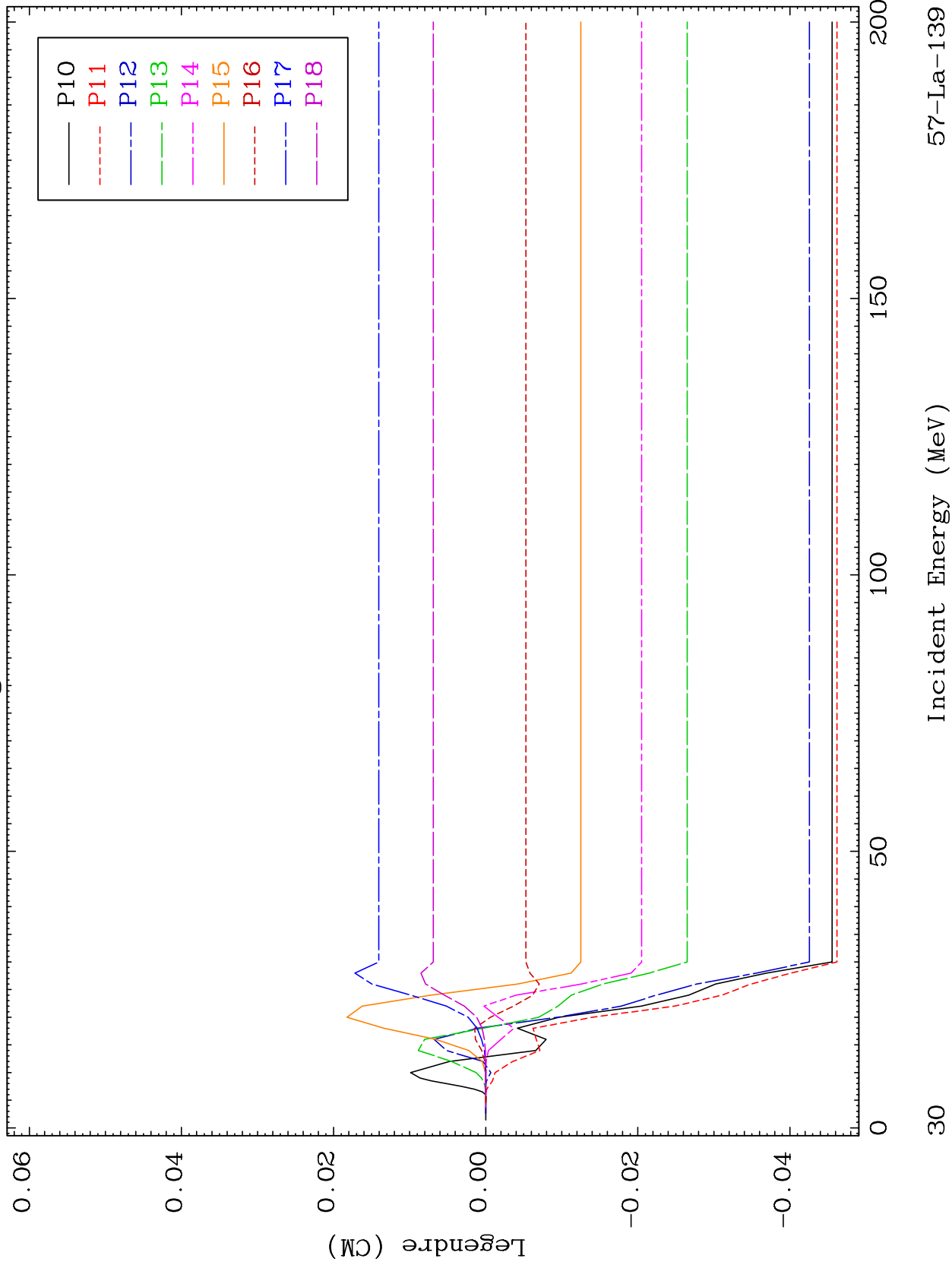
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



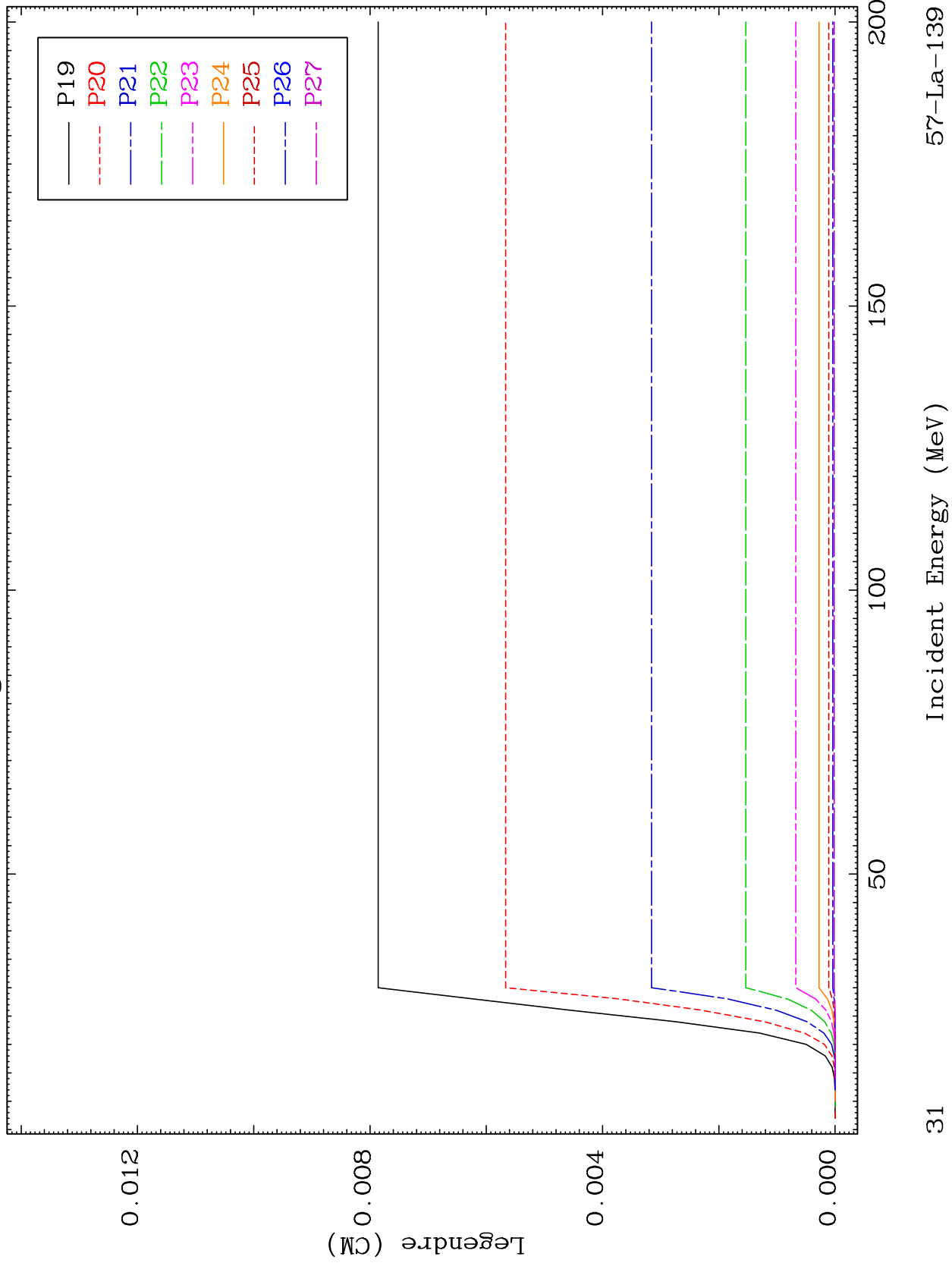
57-La-139

Incident Energy (MeV)

MAT 5728

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

57-La-139



31

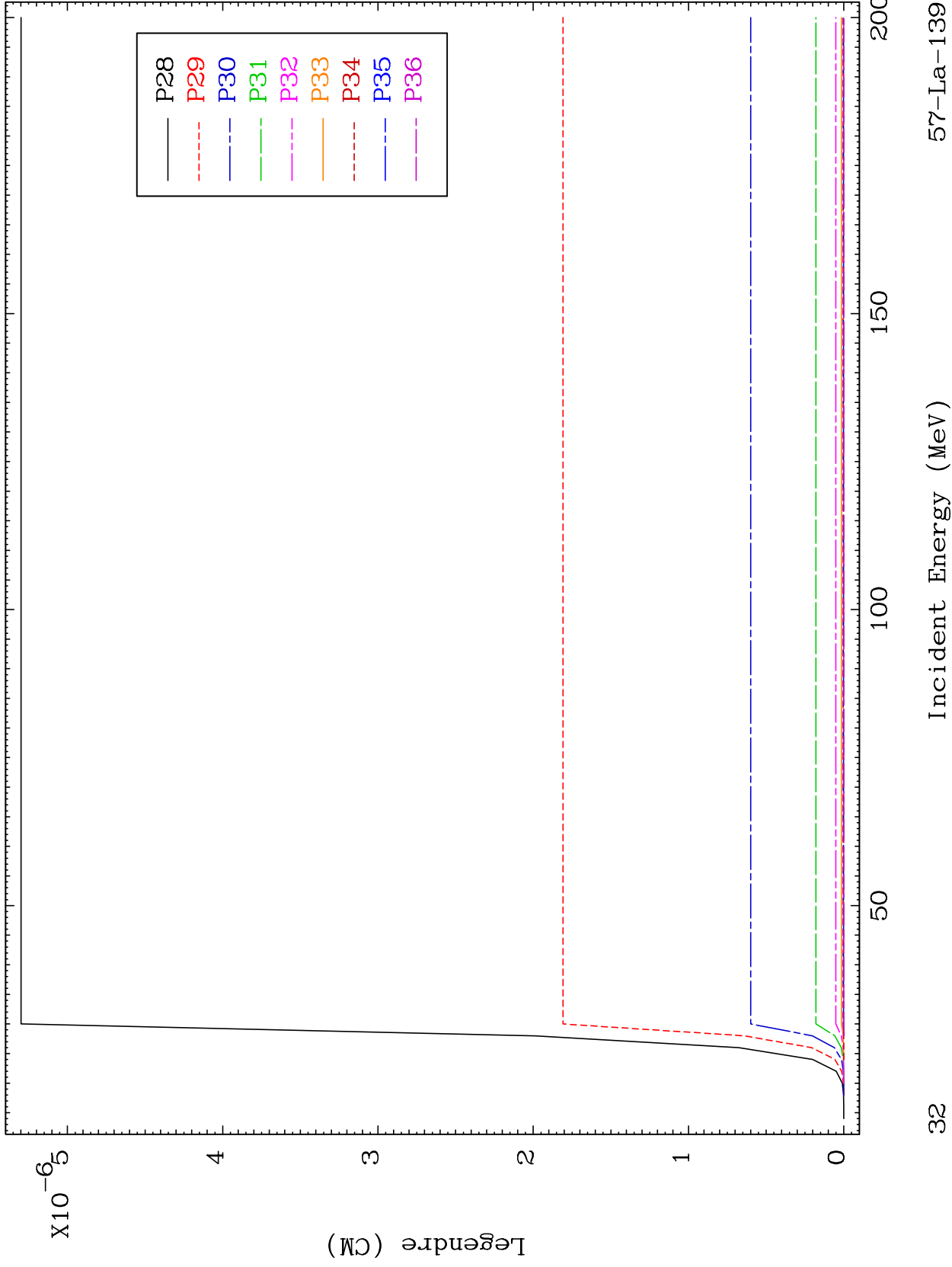
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



32

Incident Energy (MeV)

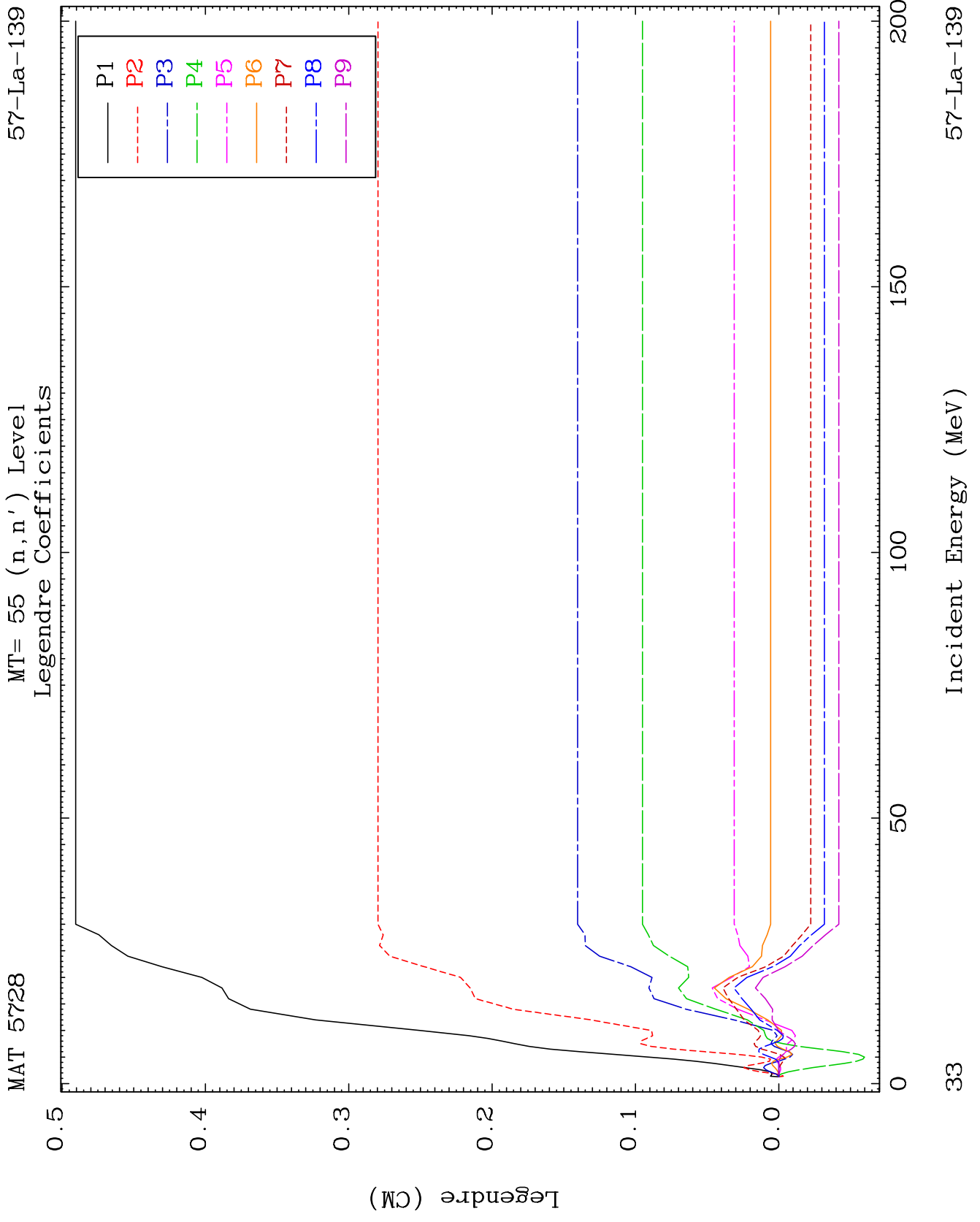
57-La-139

200

150

100

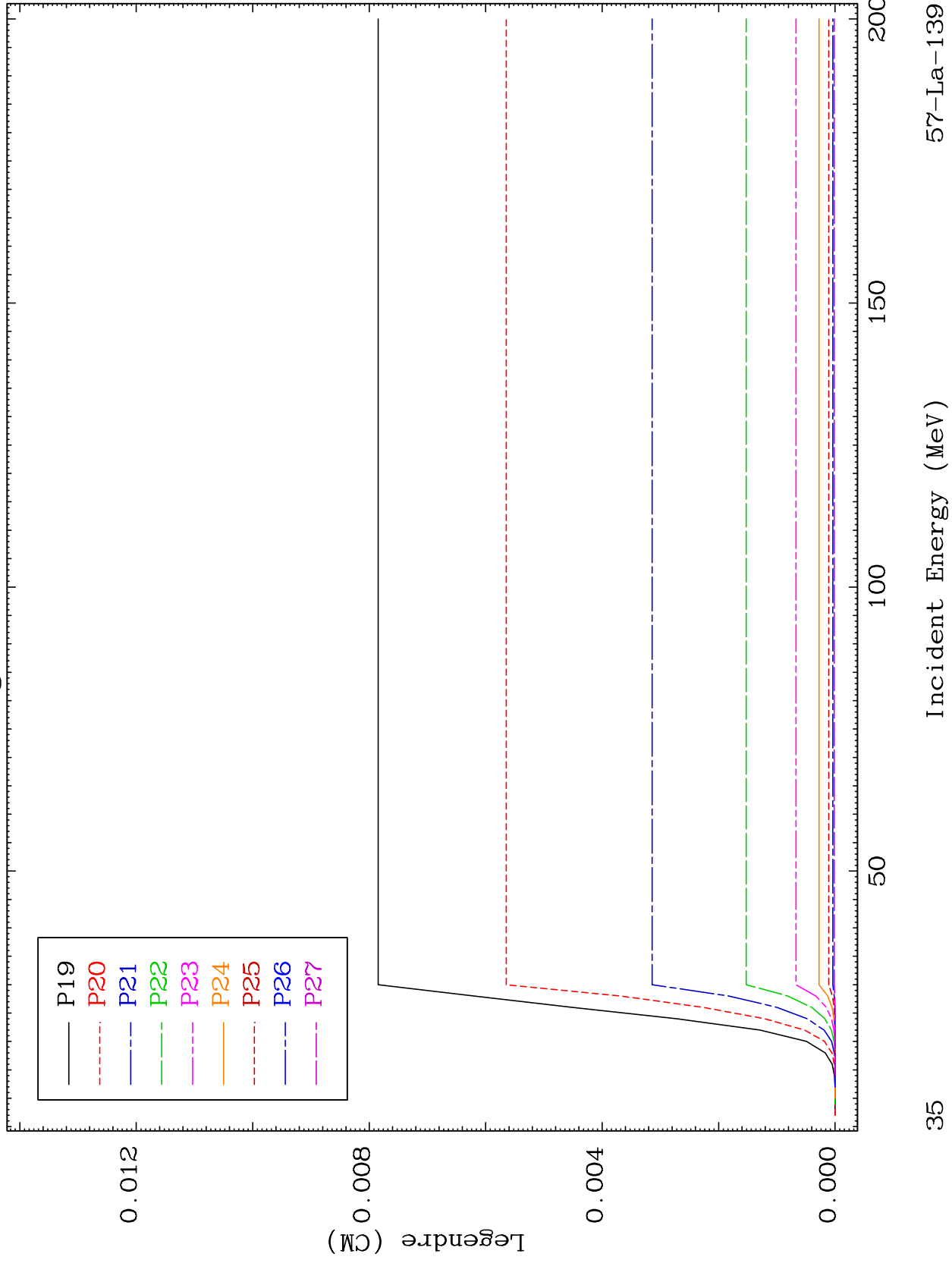
50



MAT 5728

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

57-La-139



35

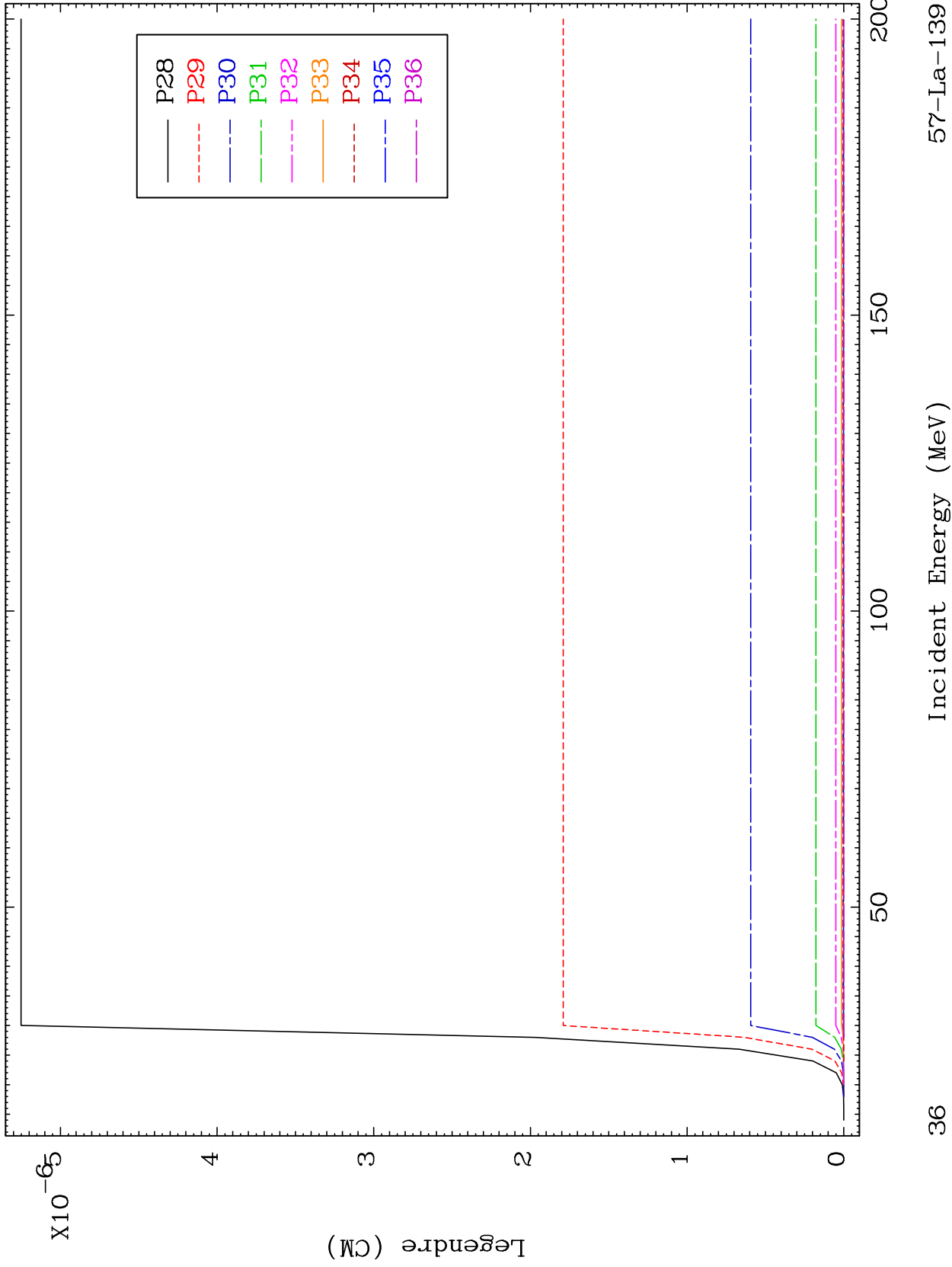
Incident Energy (MeV)

57-La-139

MAT 5728

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

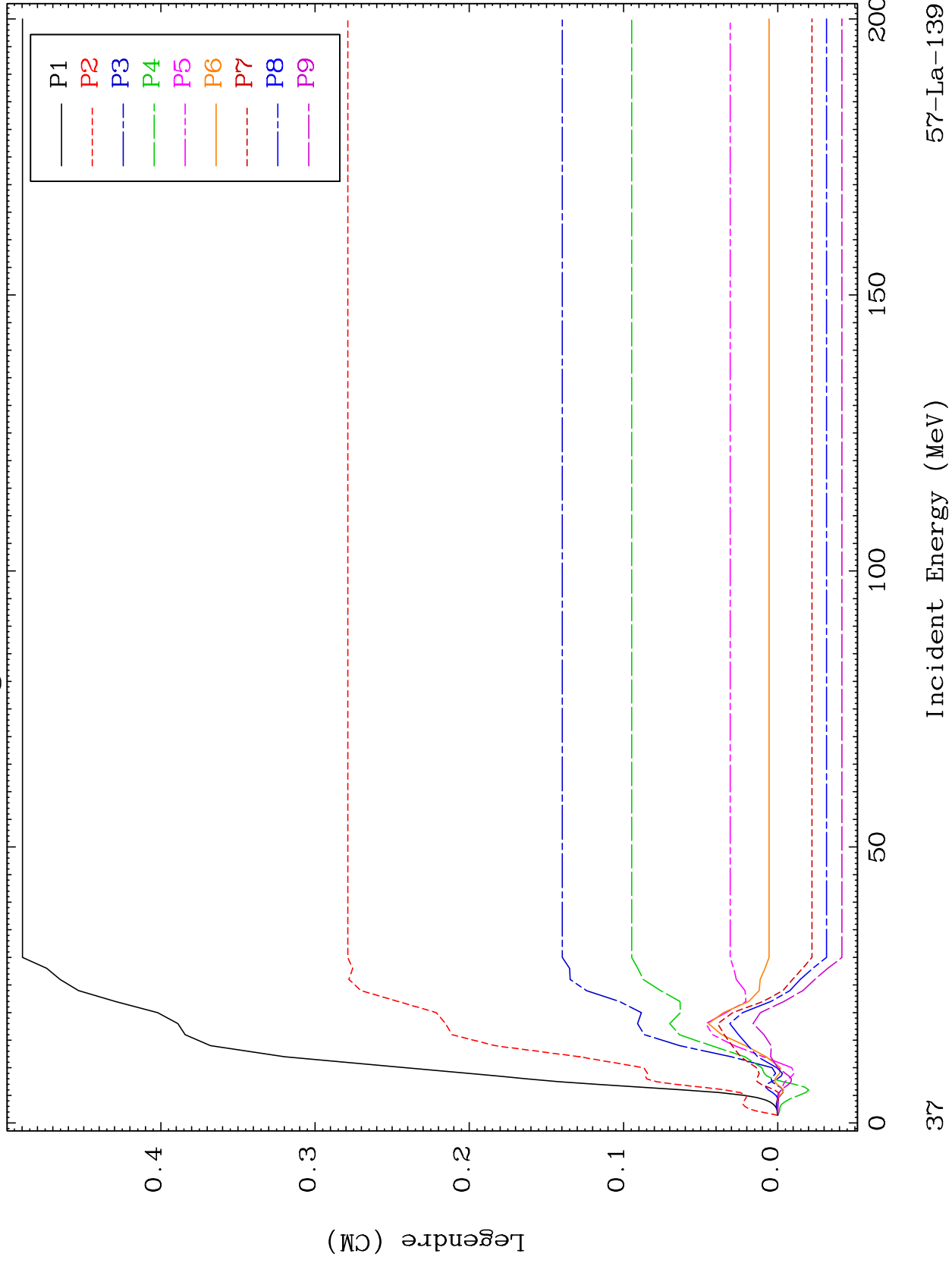
57-La-139



MAT 5728

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

57-La-139



37

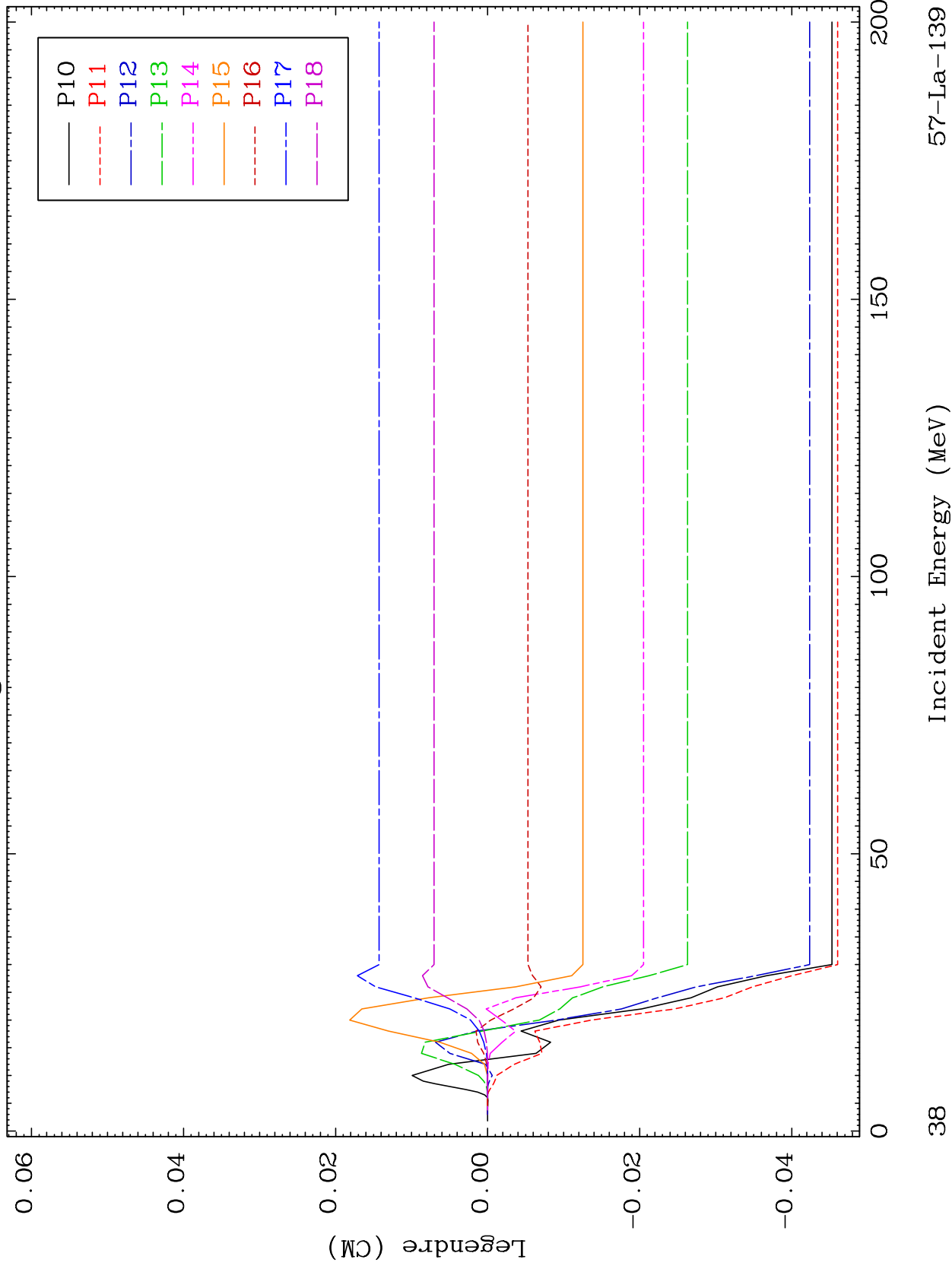
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



38

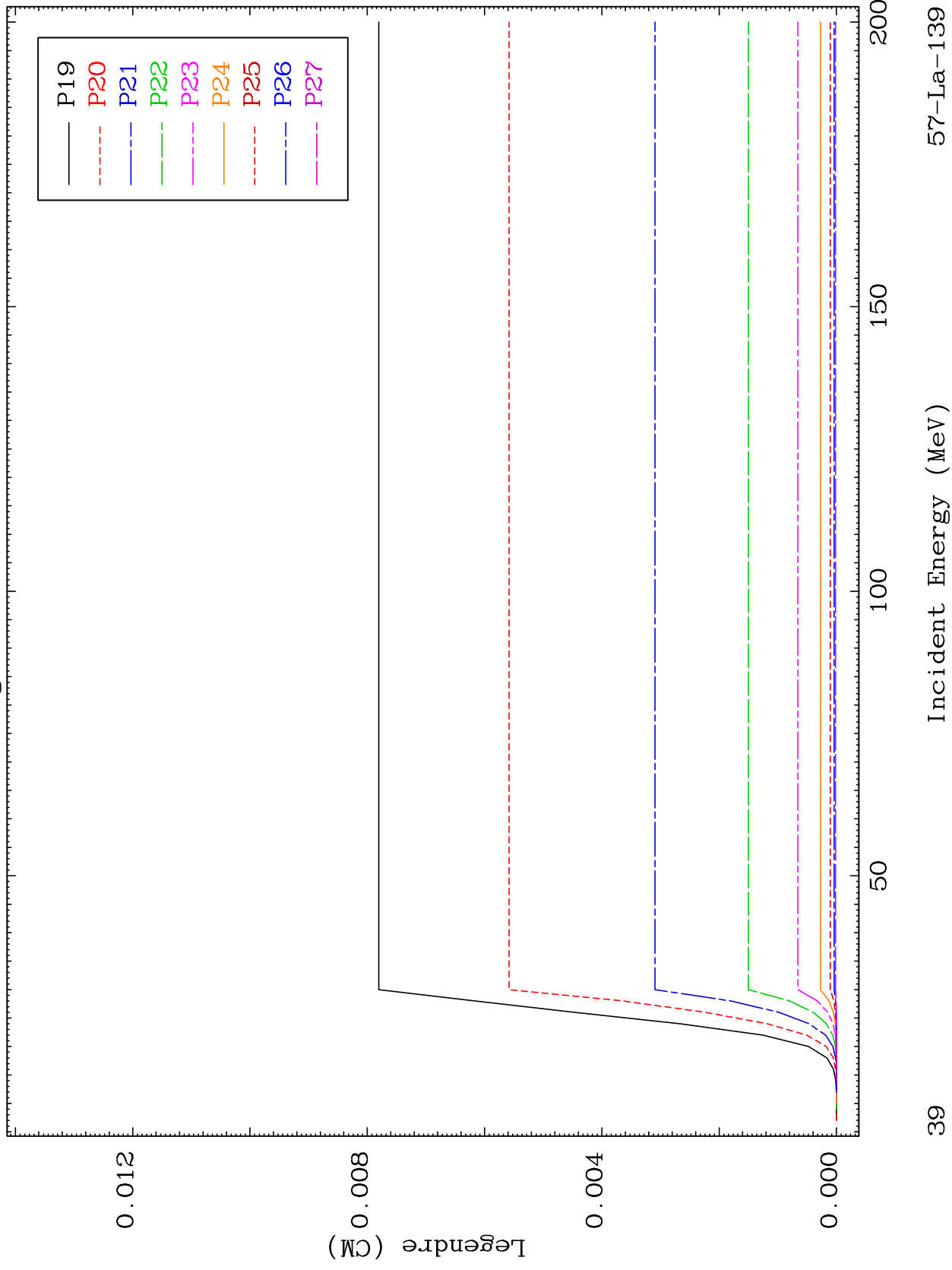
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139

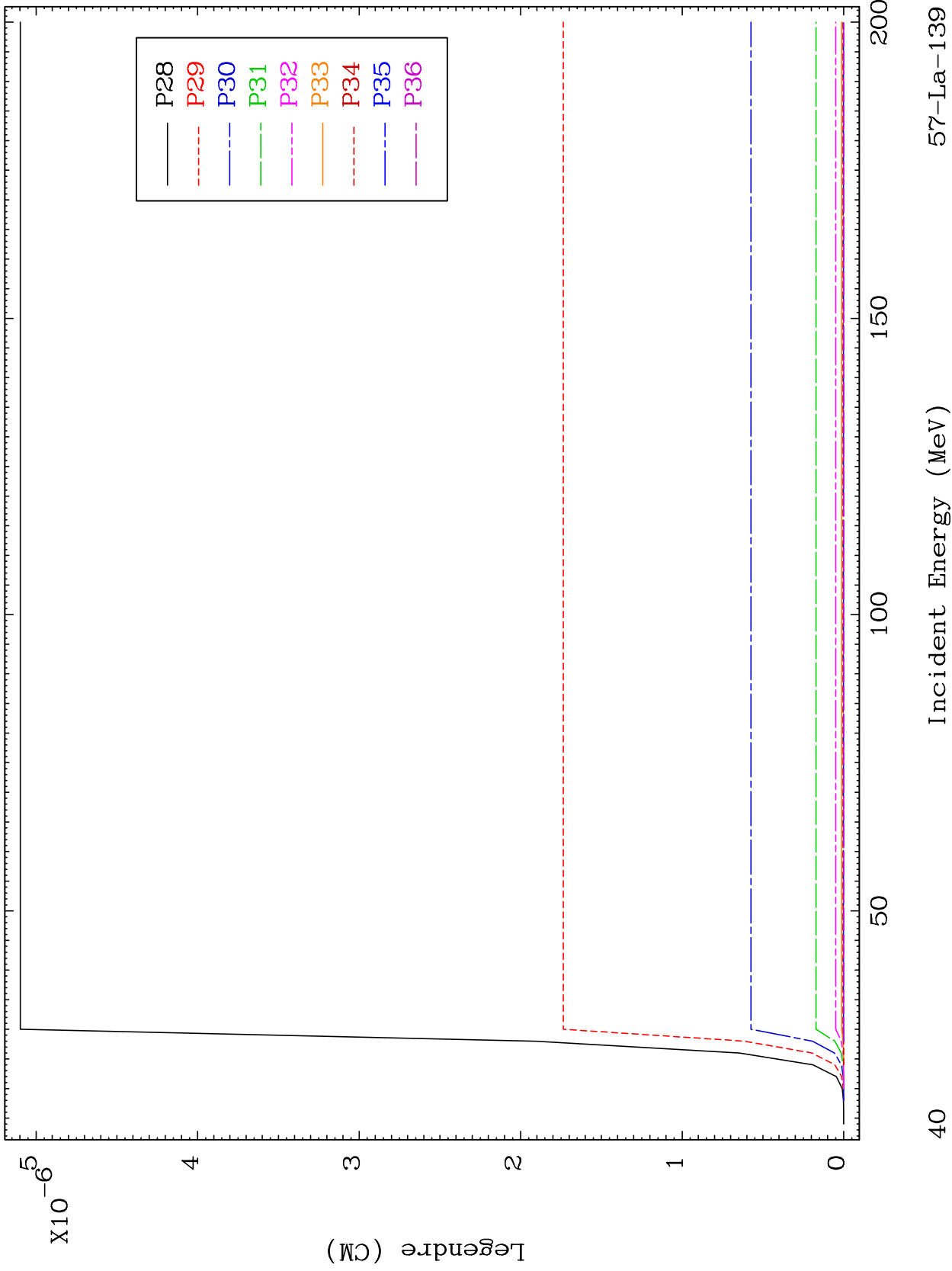


39

MAT 5728

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

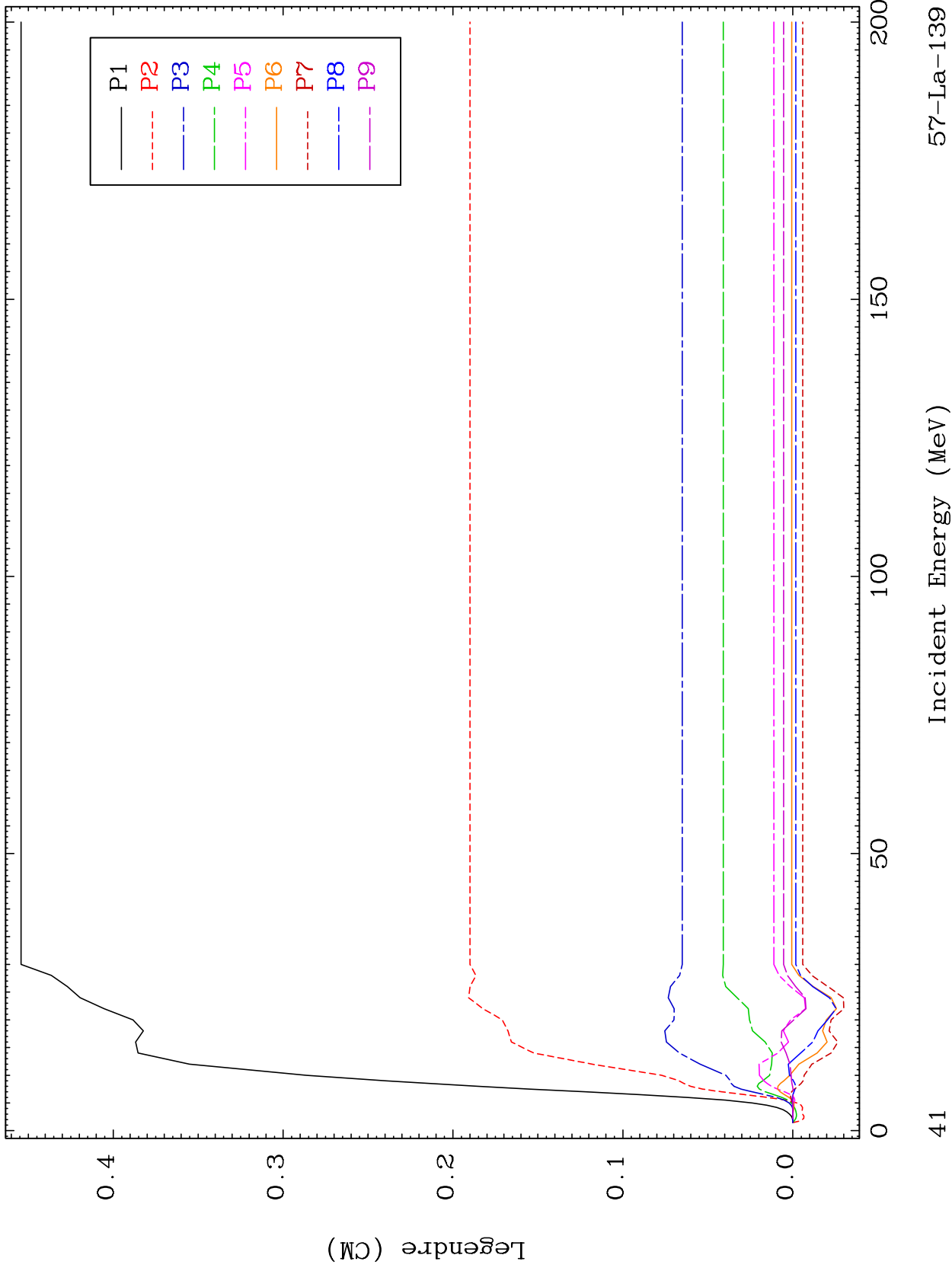
57-La-139



MAT 5728

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

57-La-139



57-La-139

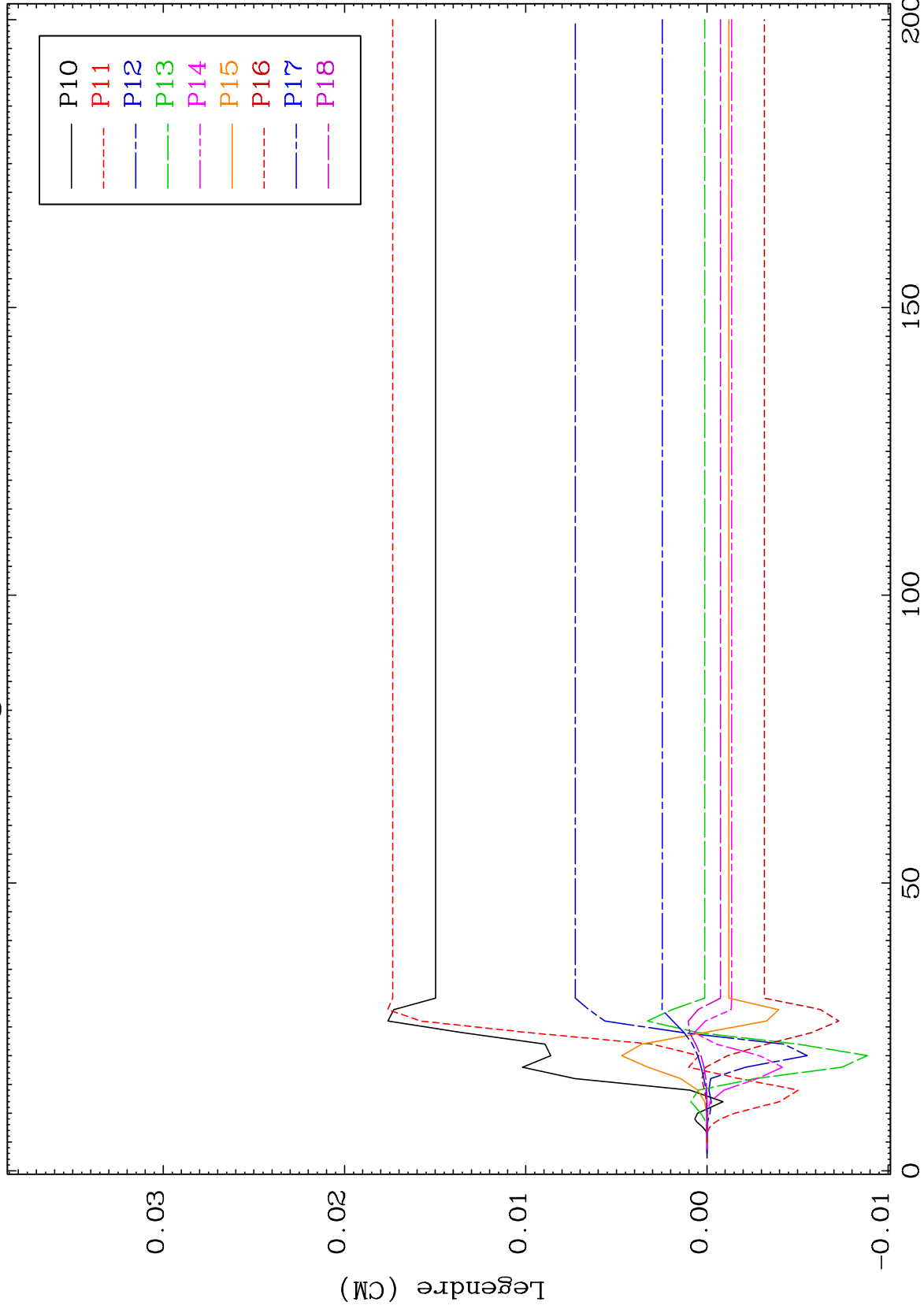
Incident Energy (MeV)

41

MAT 5728

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

57-La-139



42

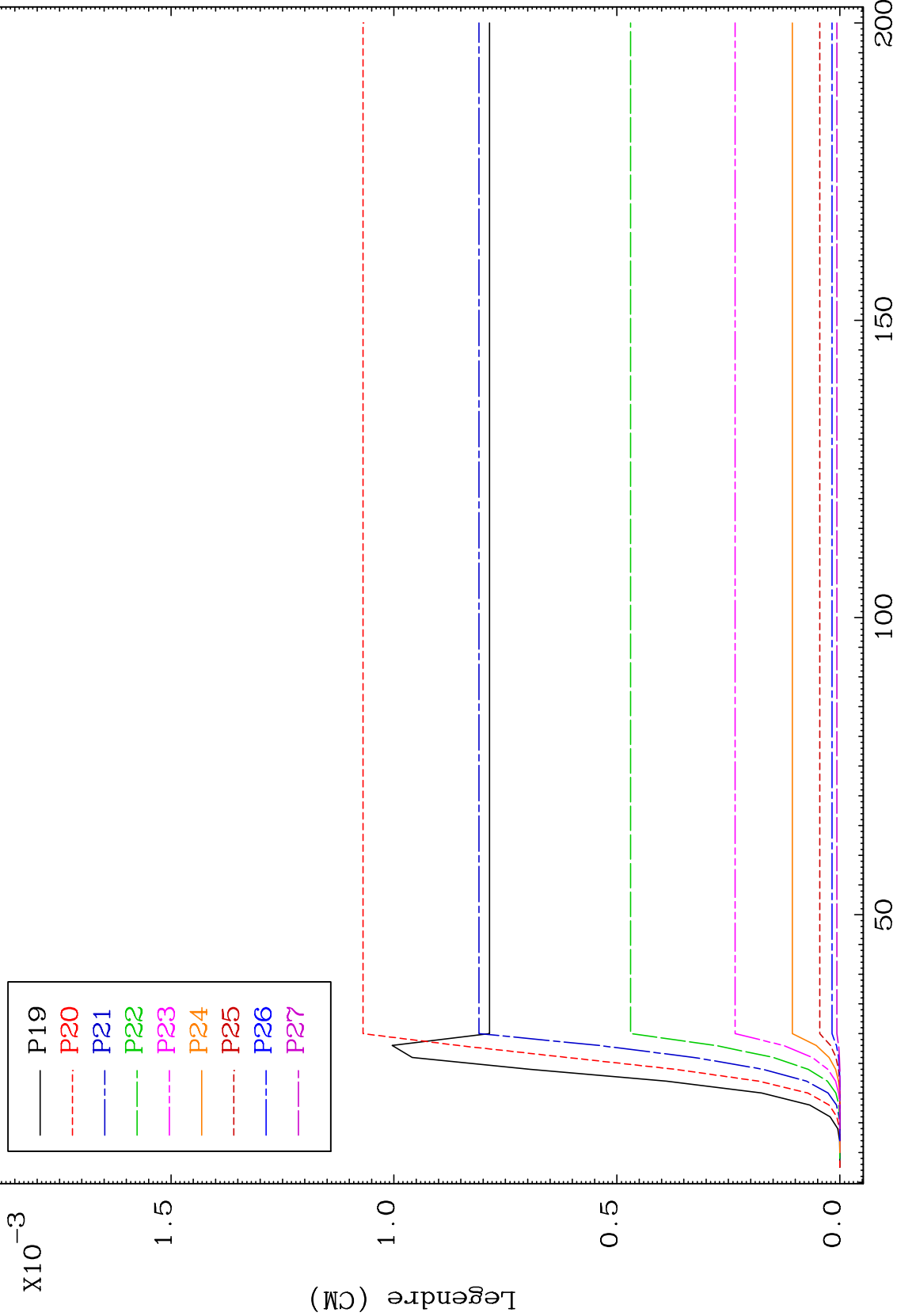
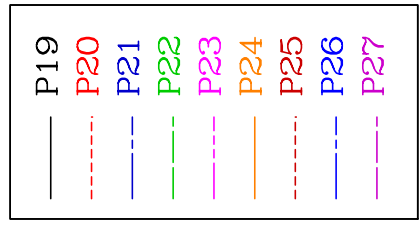
Incident Energy (MeV)

57-La-139

MAT 5728

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

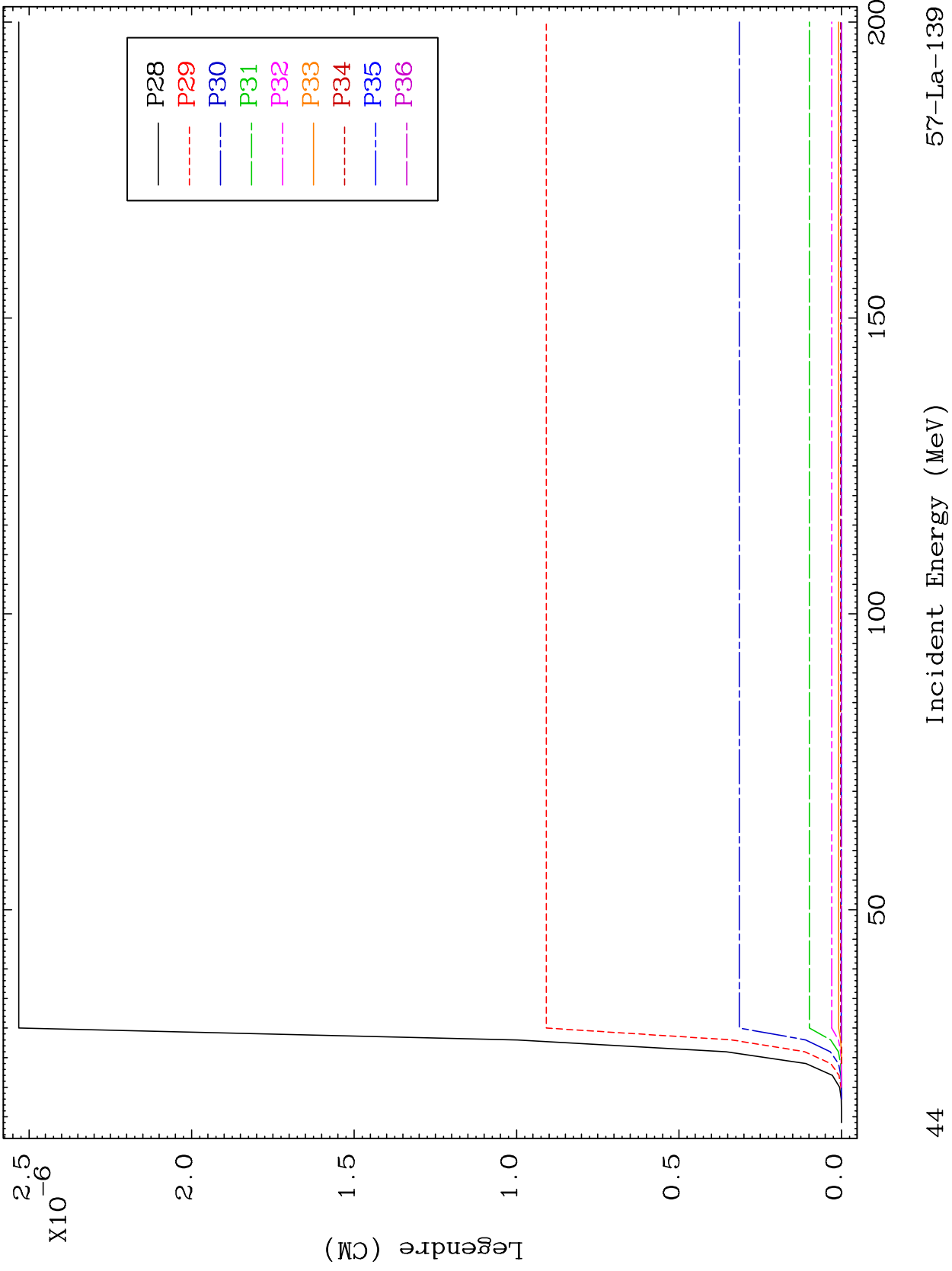
57-La-139



43

Incident Energy (MeV)

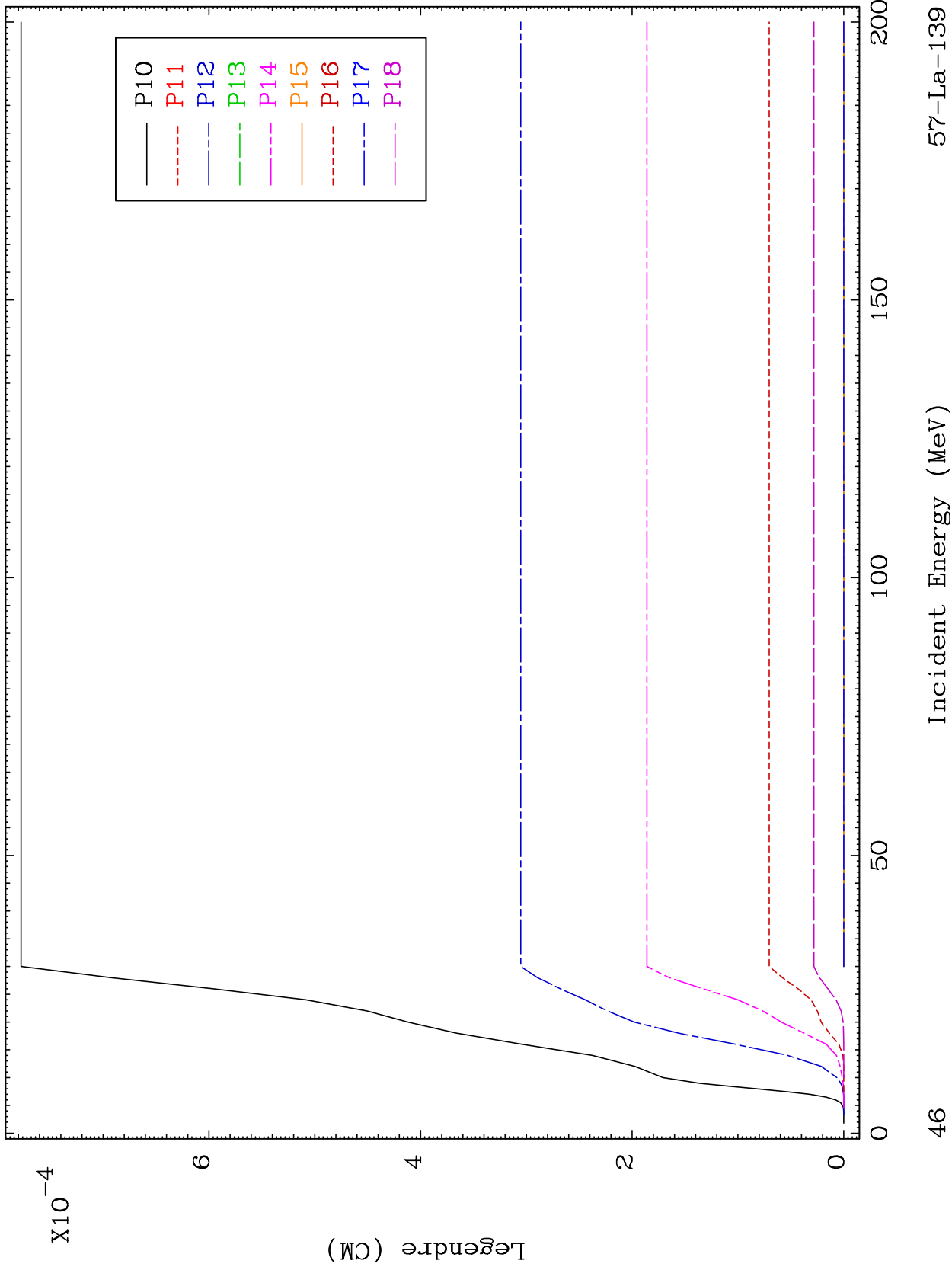
57-La-139



MAT 5728

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

57-La-139



46

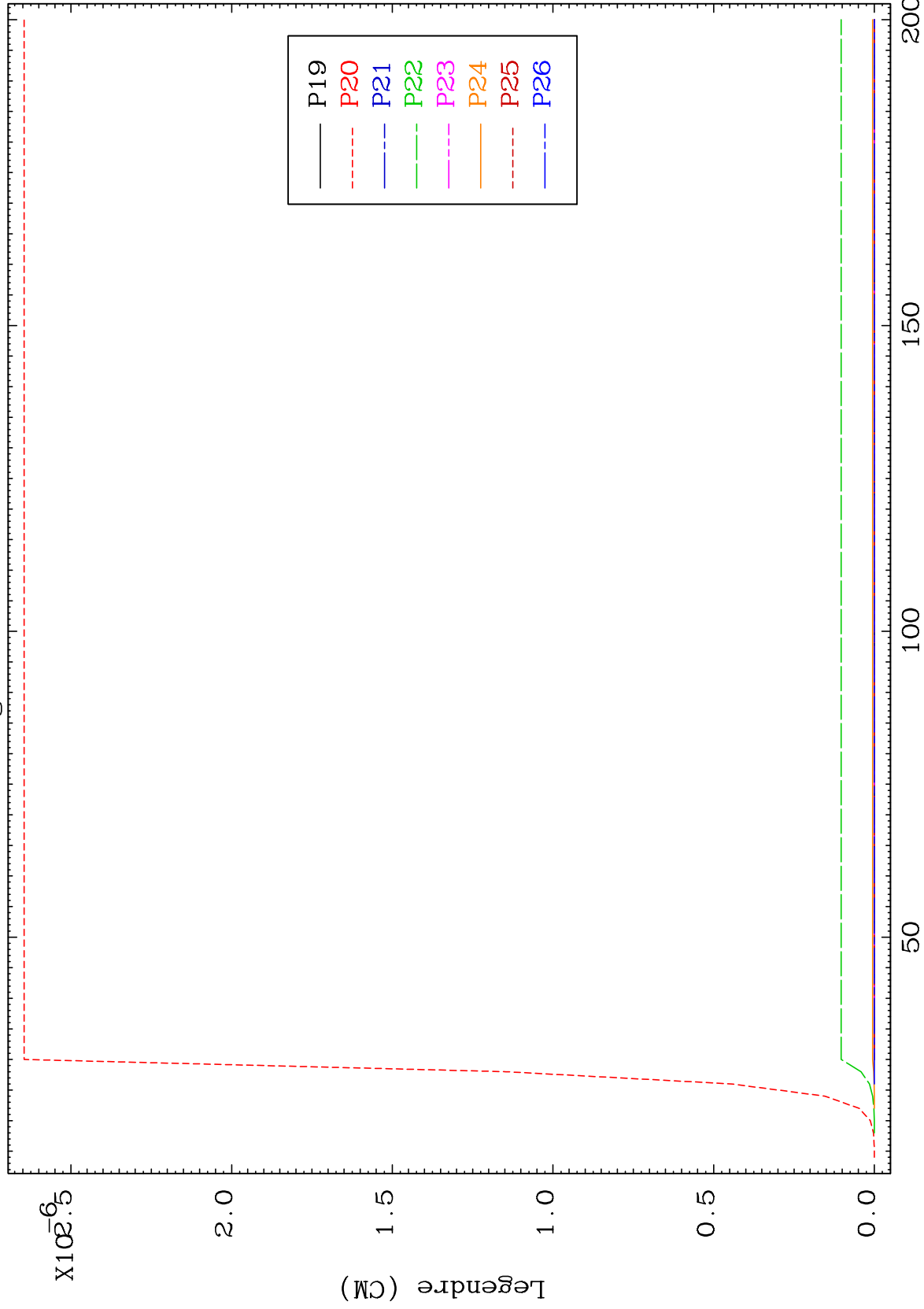
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



47

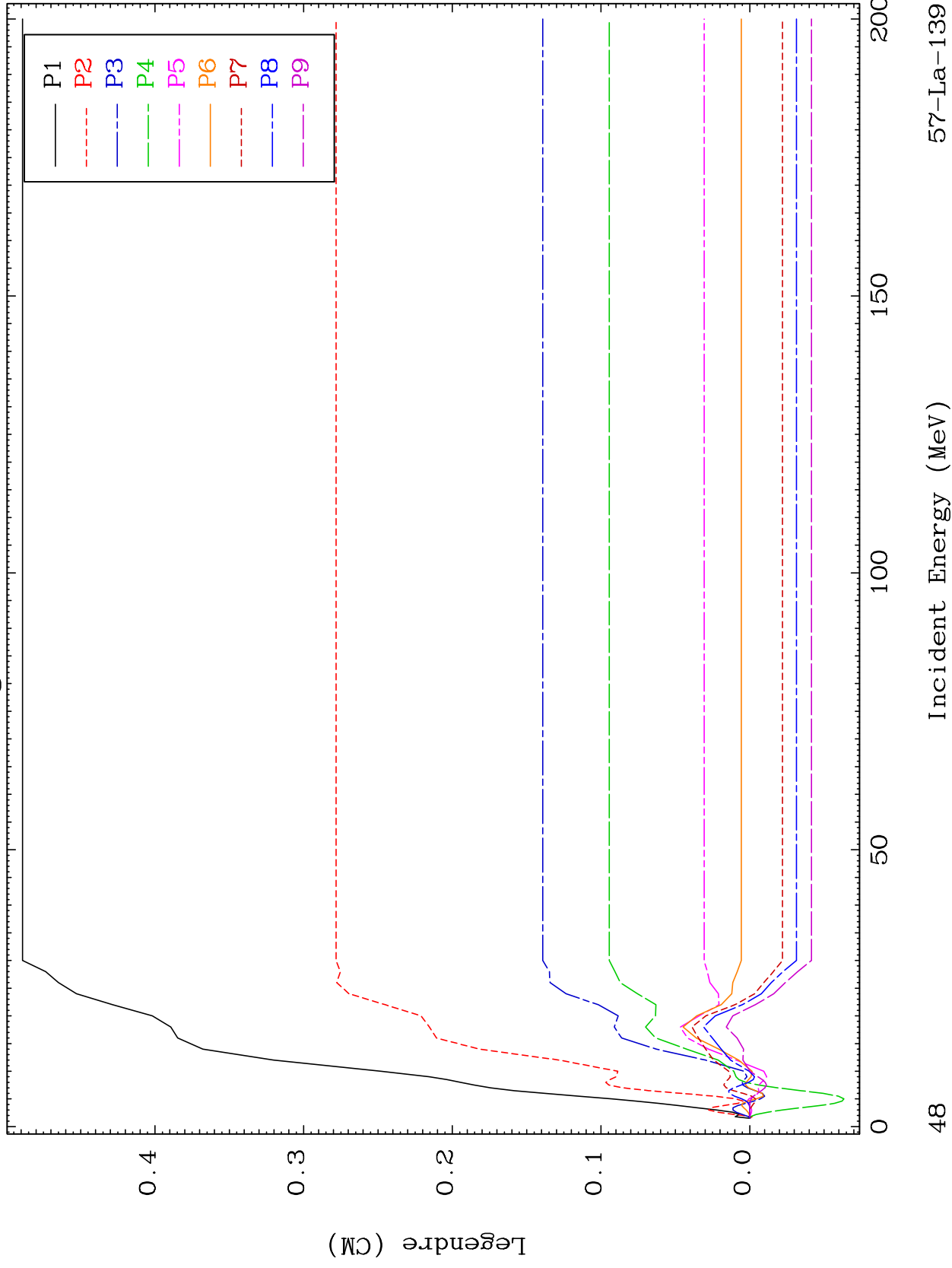
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



57-La-139

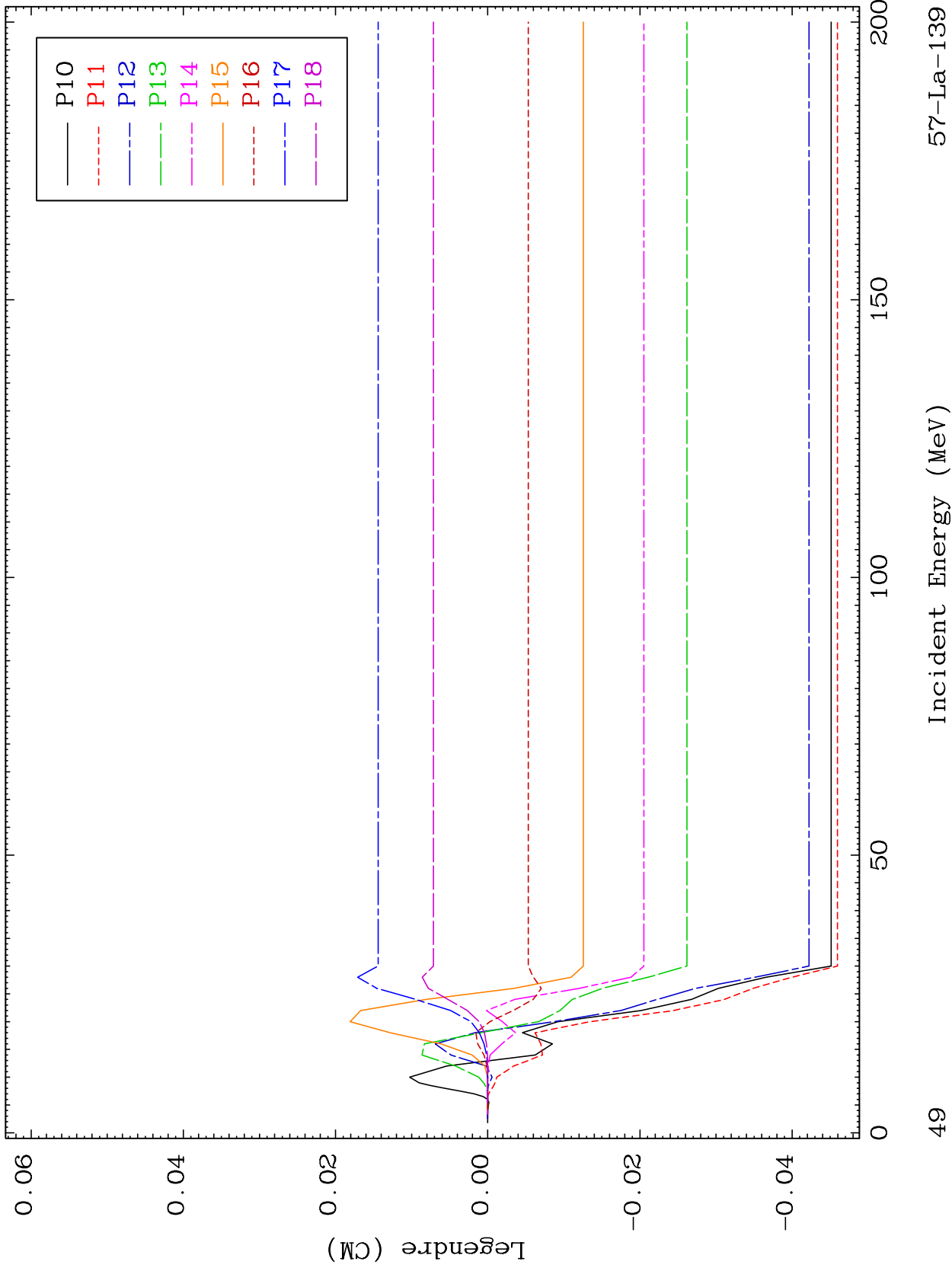
Incident Energy (MeV)

48

MAT 5728

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

57-La-139



57-La-139

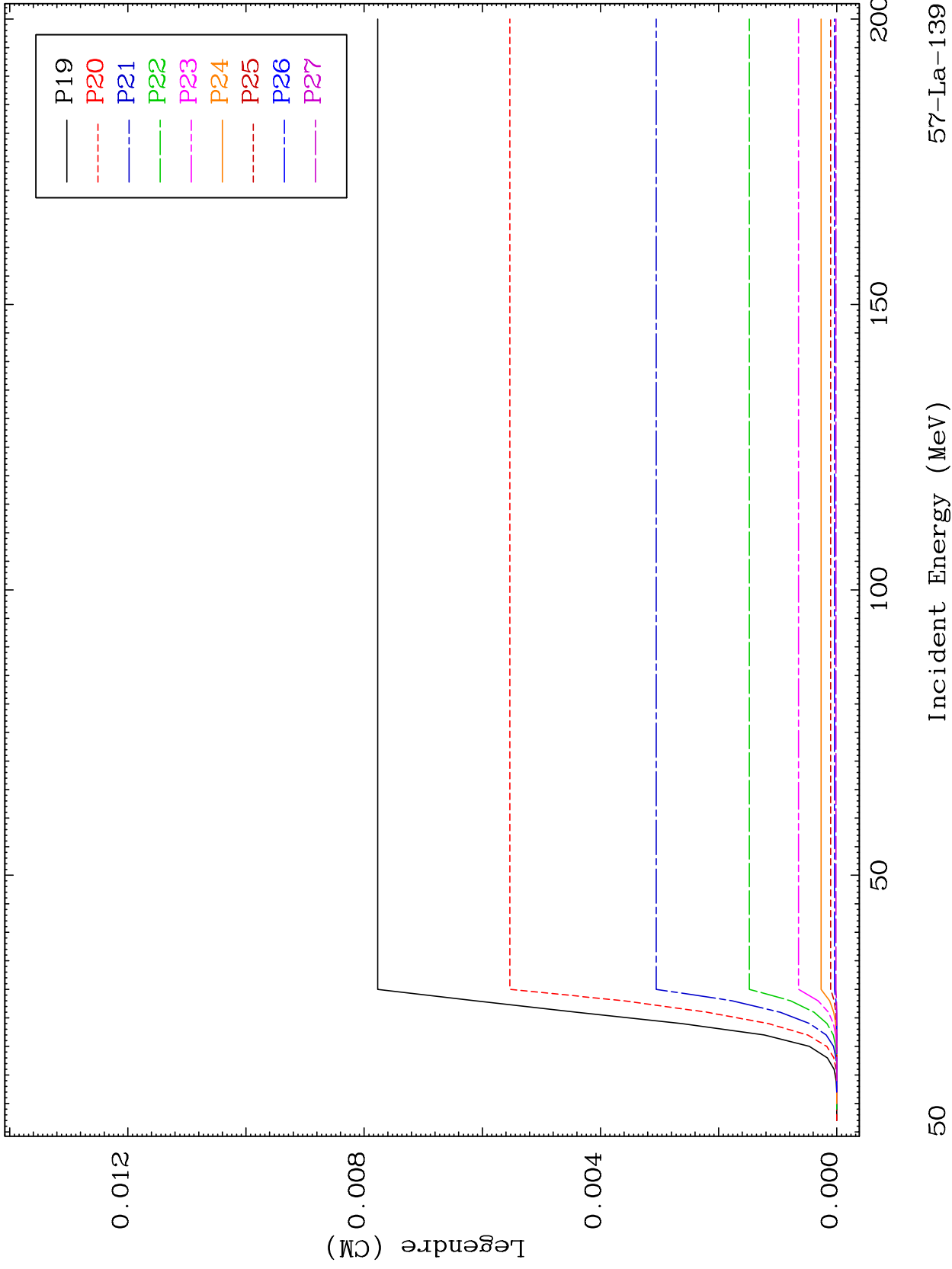
Incident Energy (MeV)

49

MAT 5728

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

57-La-139

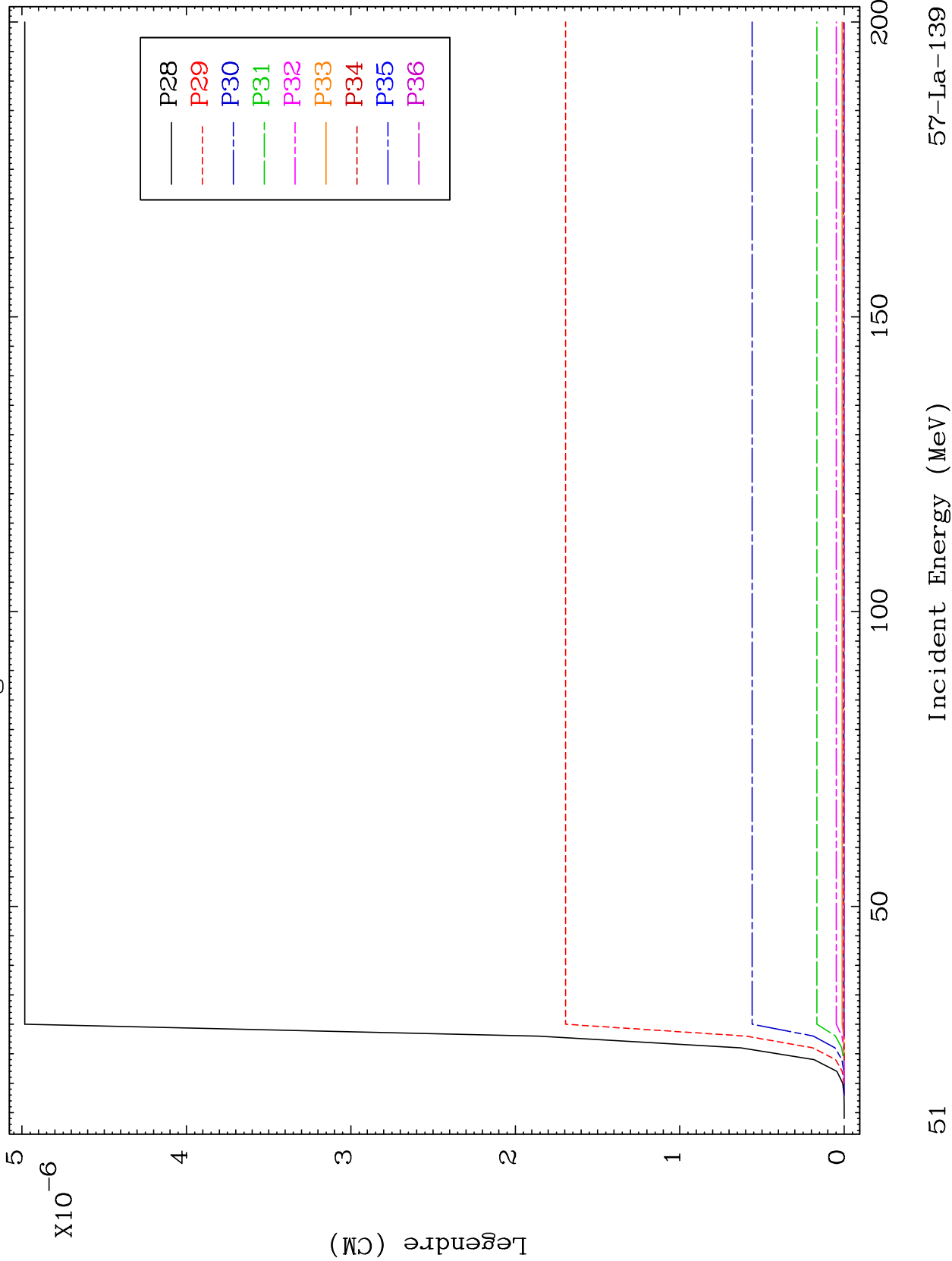


57-La-139

MAT 5728

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

57-La-139



51

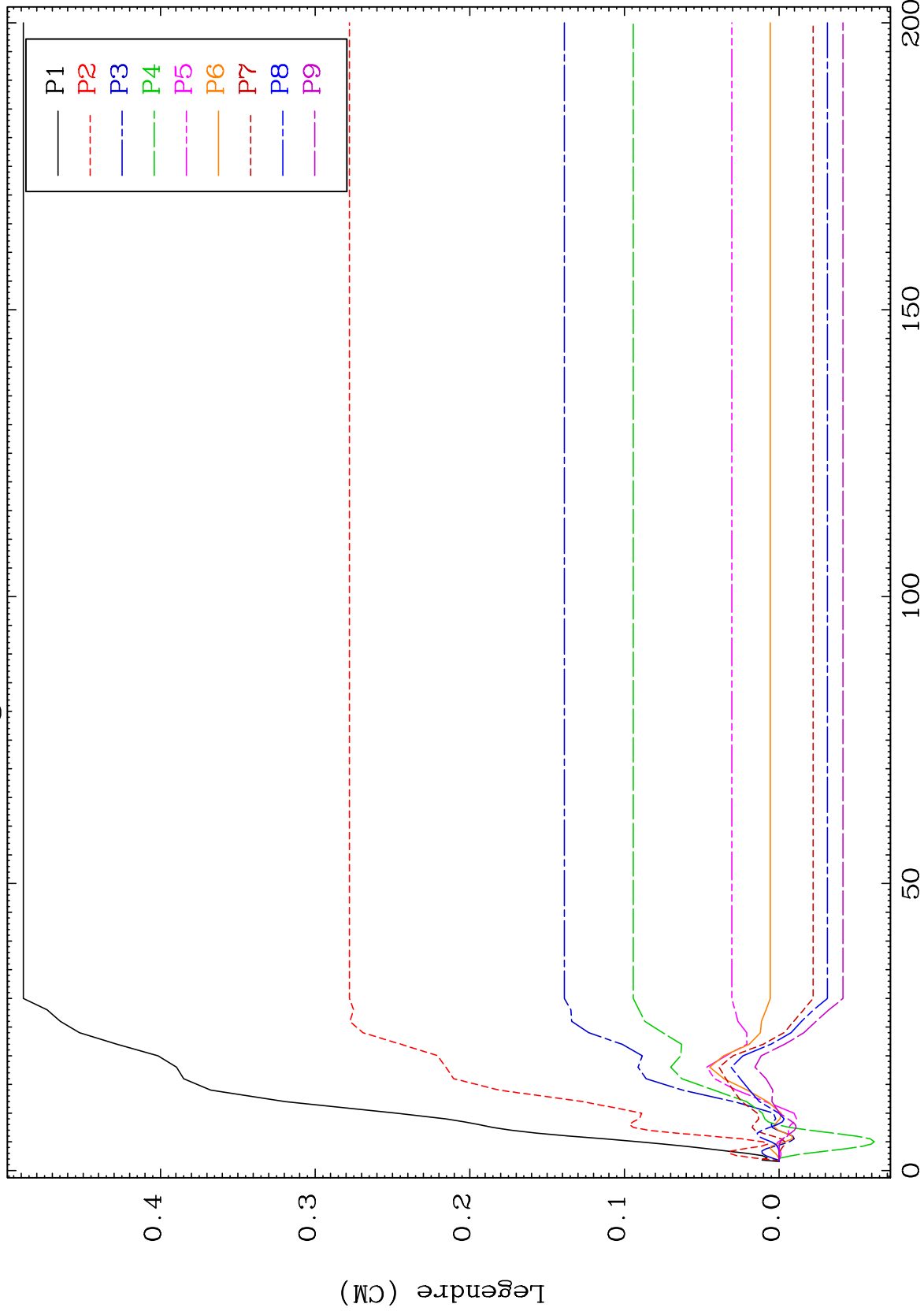
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



52

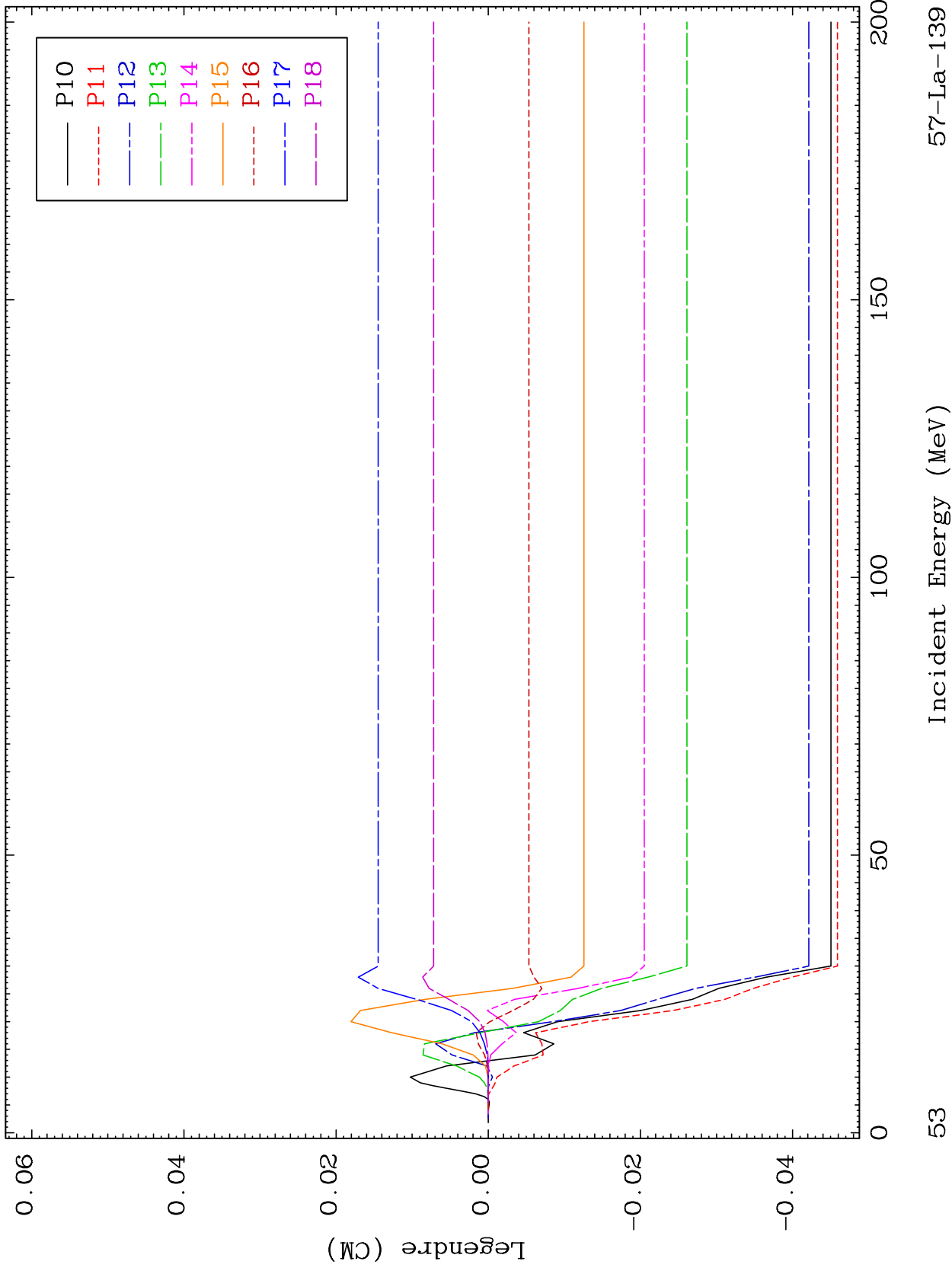
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



57-La-139

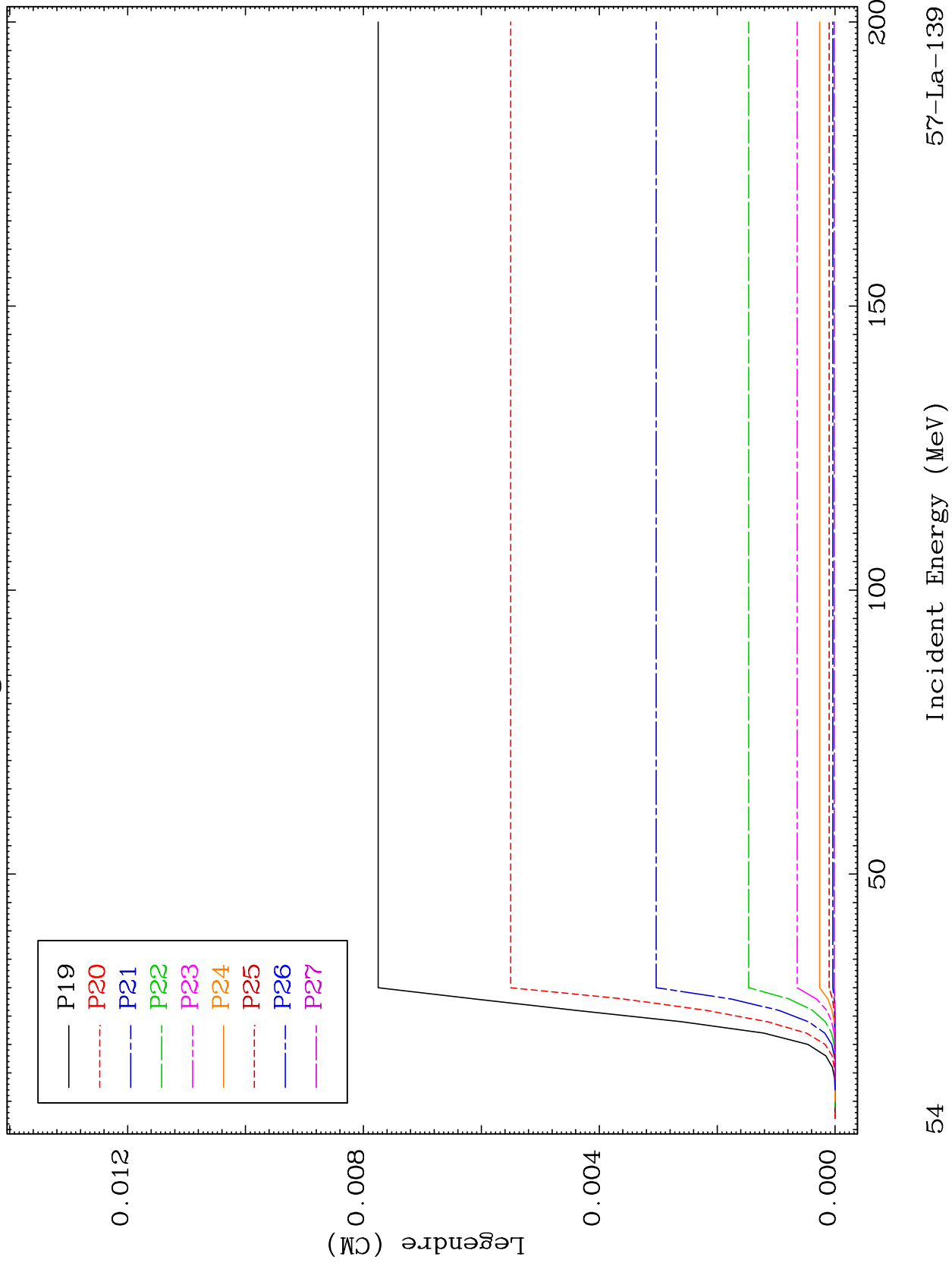
Incident Energy (MeV)

53

MAT 5728

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

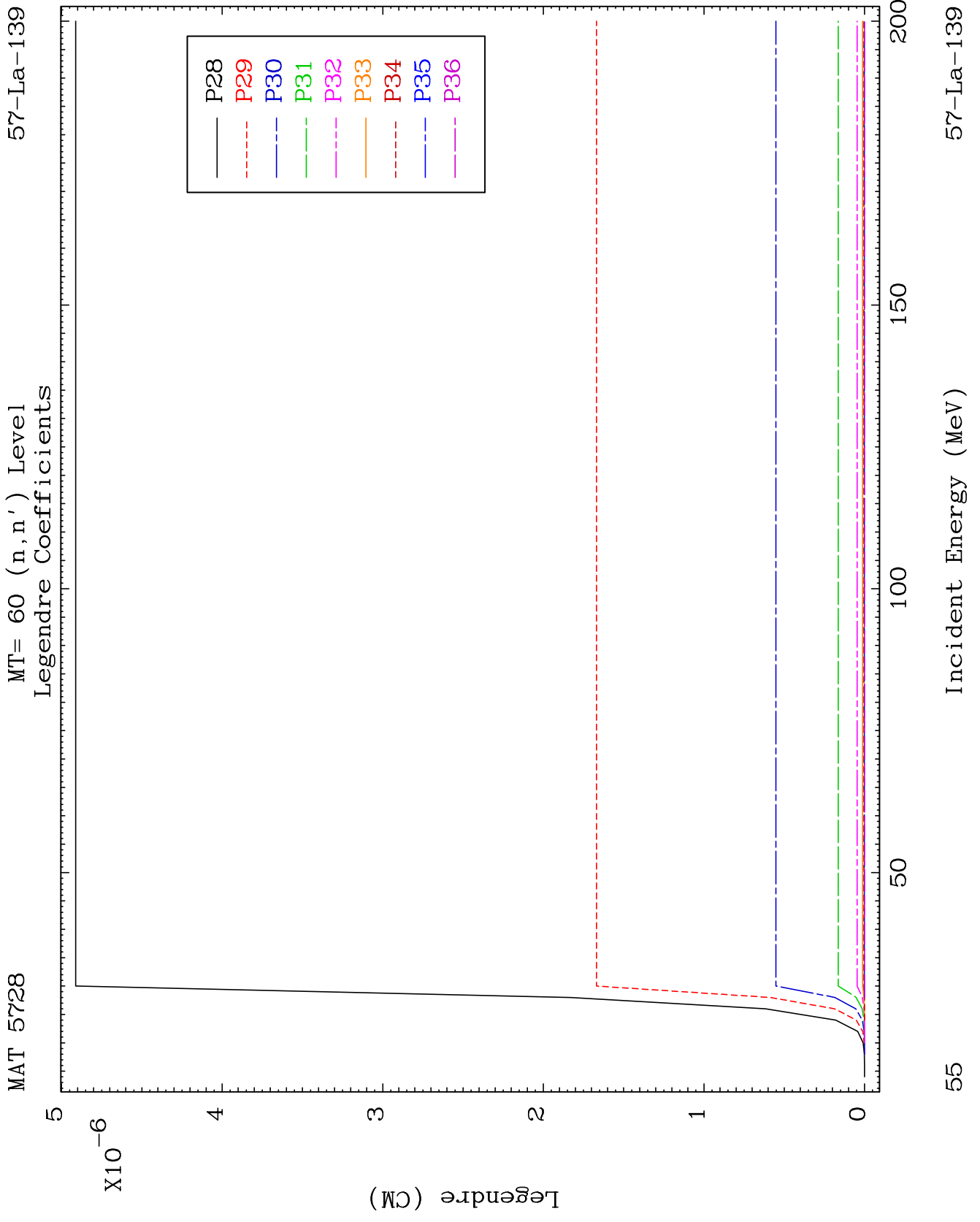
57-La-139



54

Incident Energy (MeV)

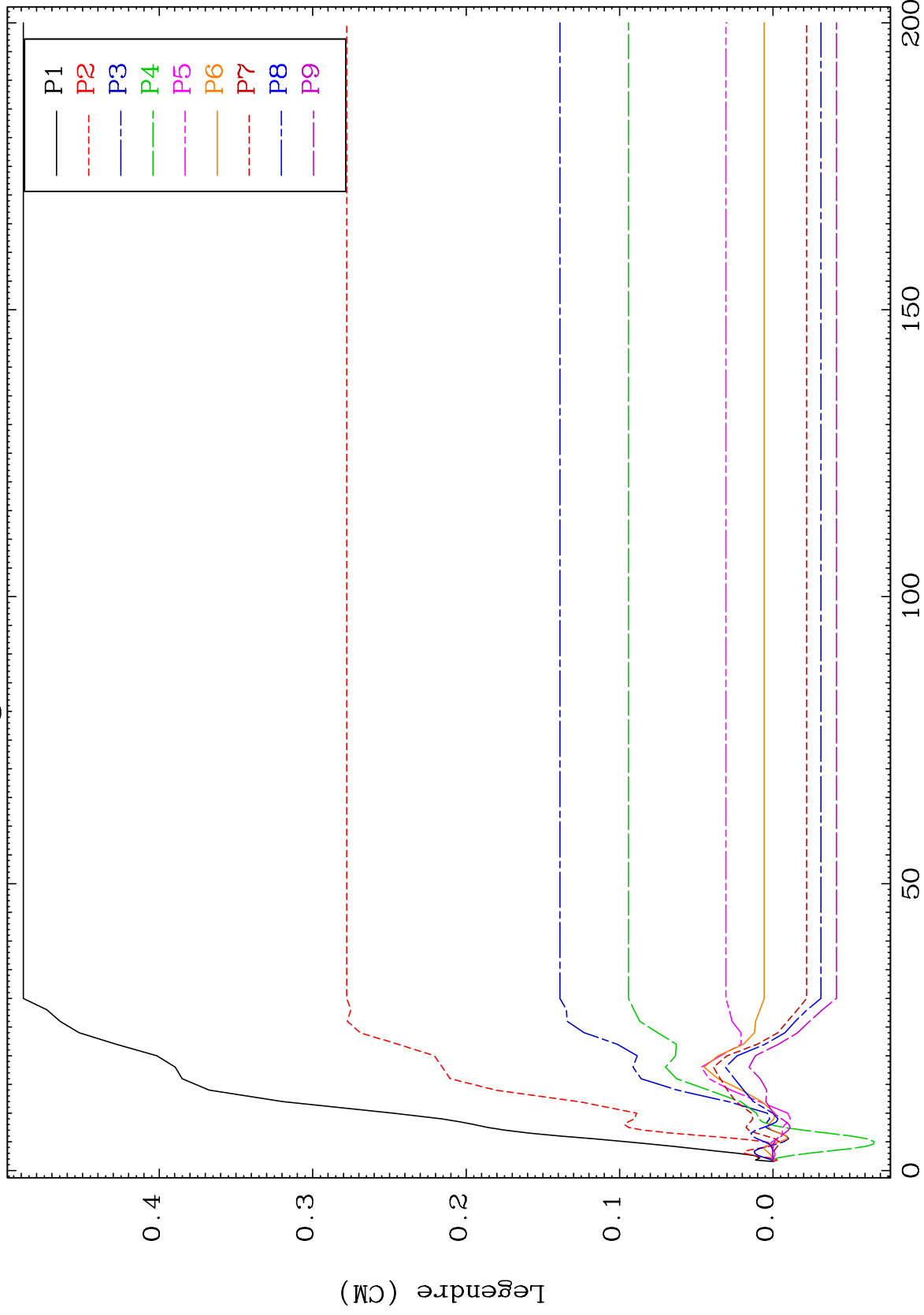
57-La-139



MAT 5728

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

57-La-139



56

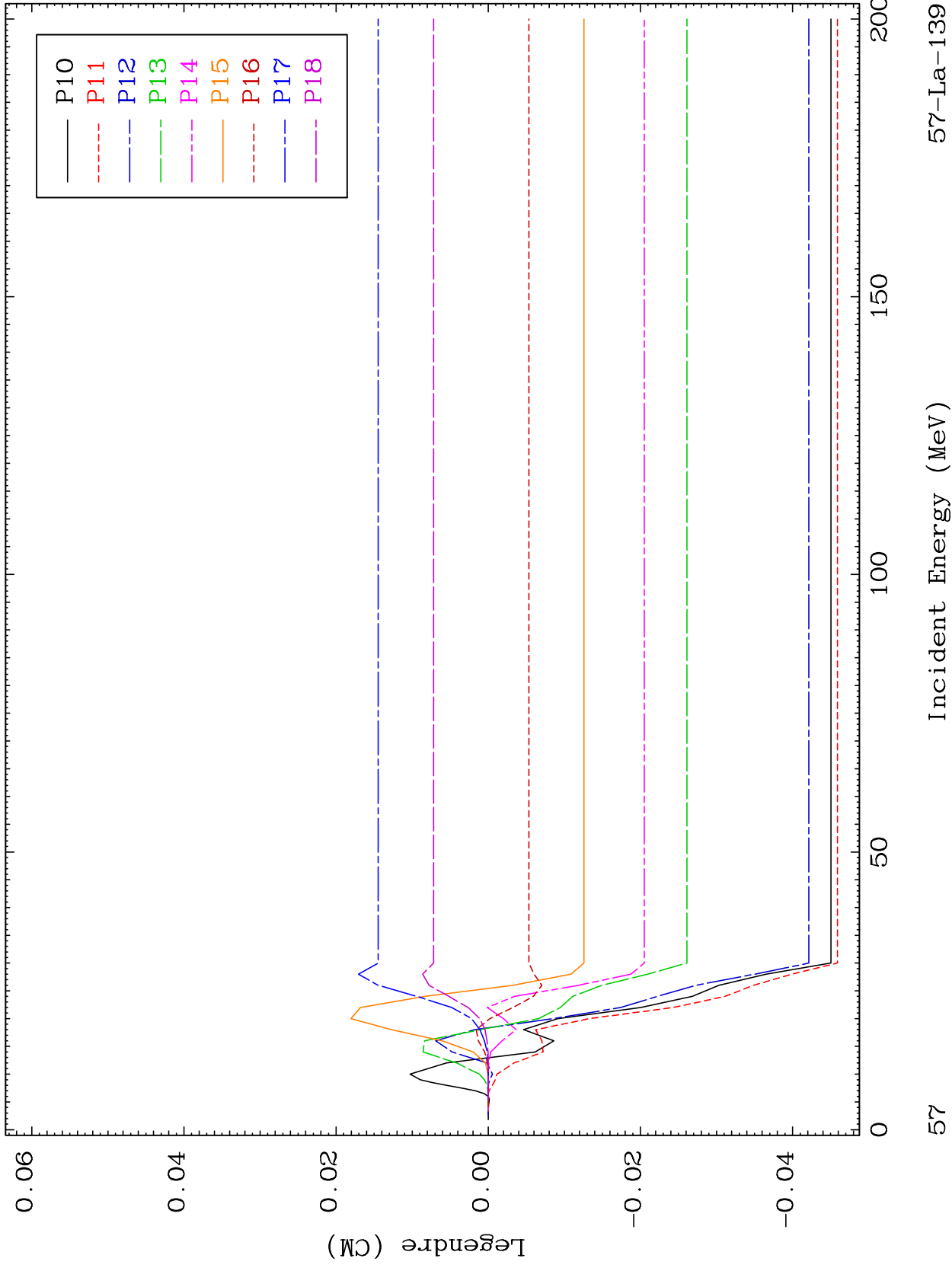
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



57

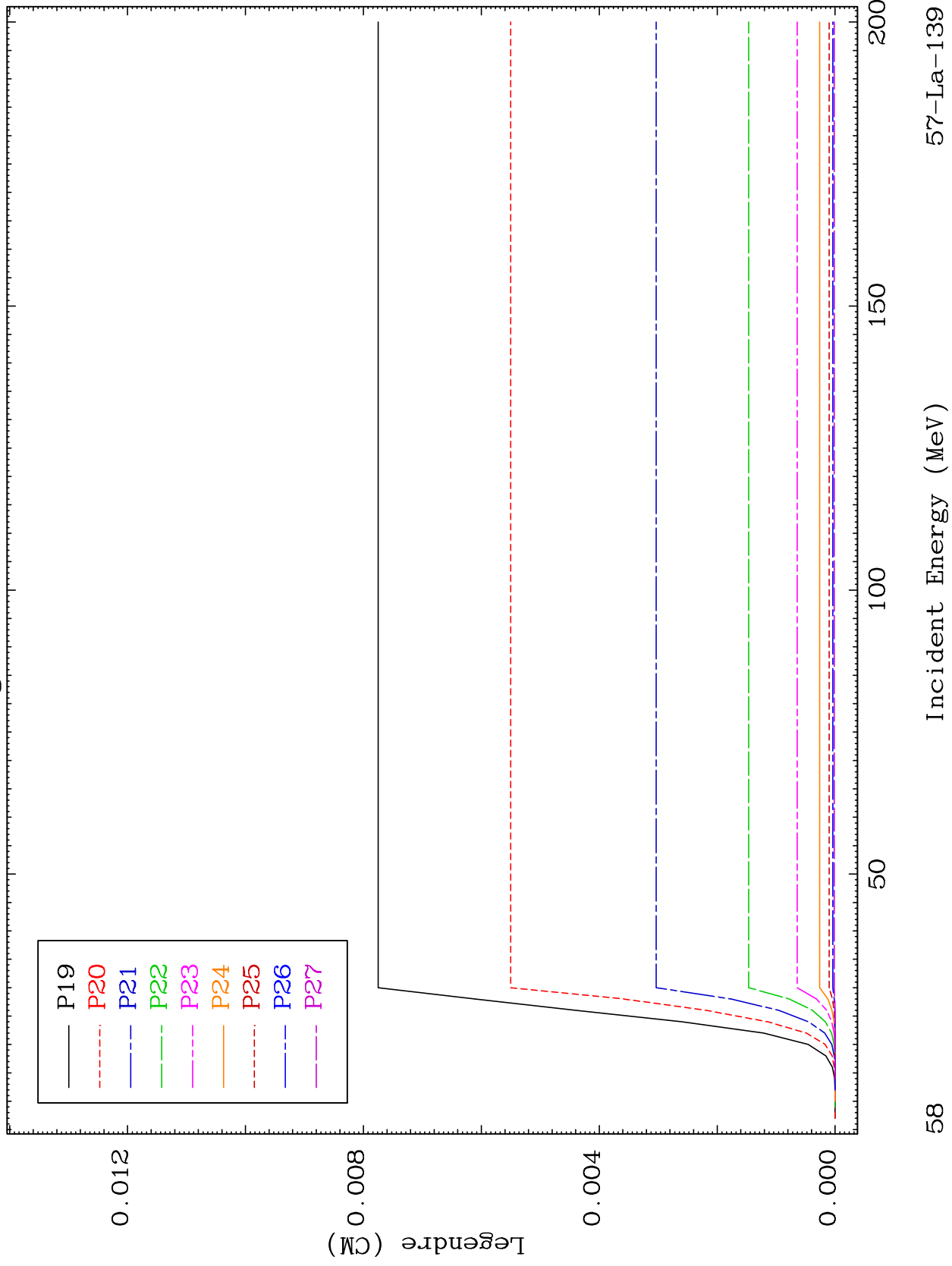
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



58

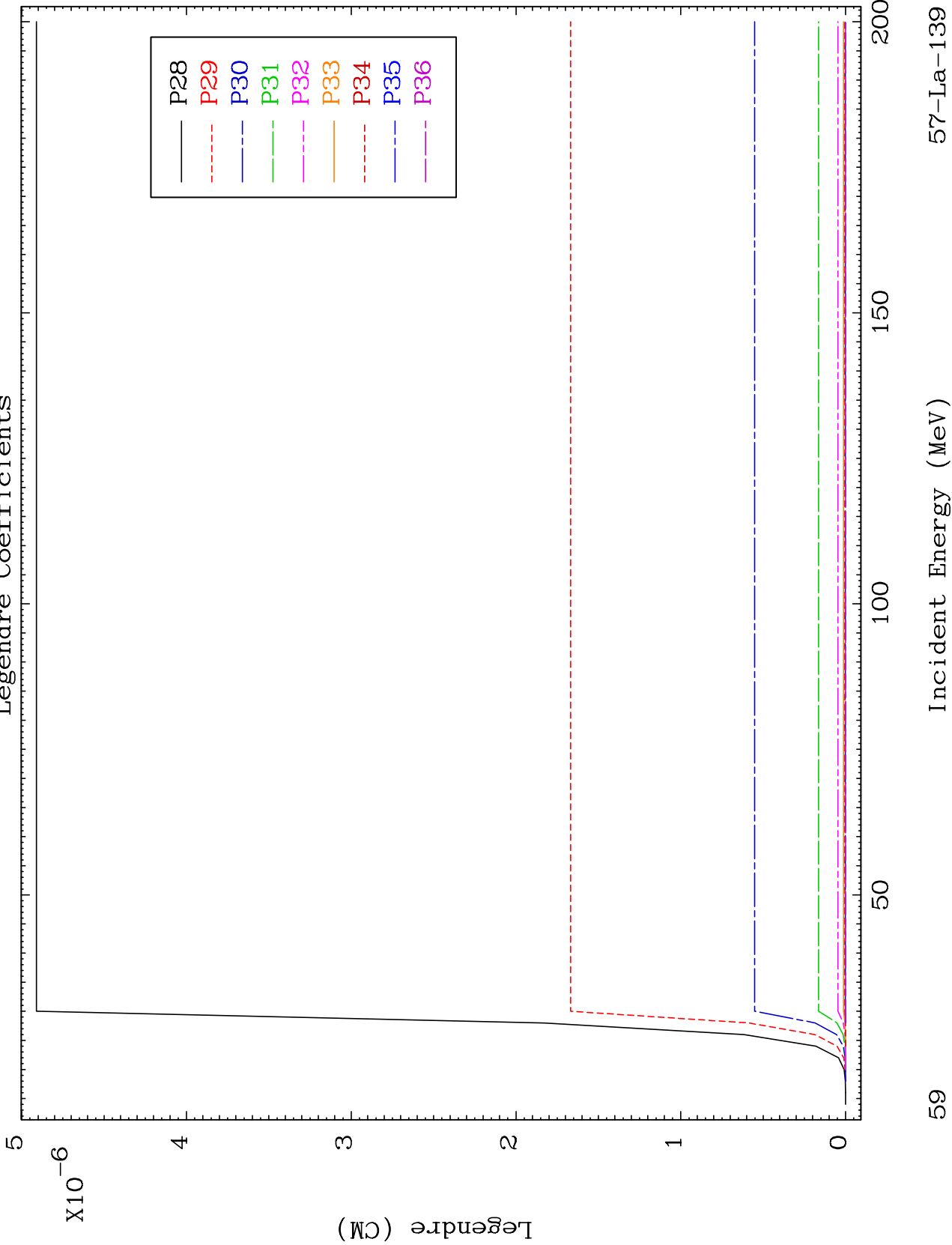
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



59

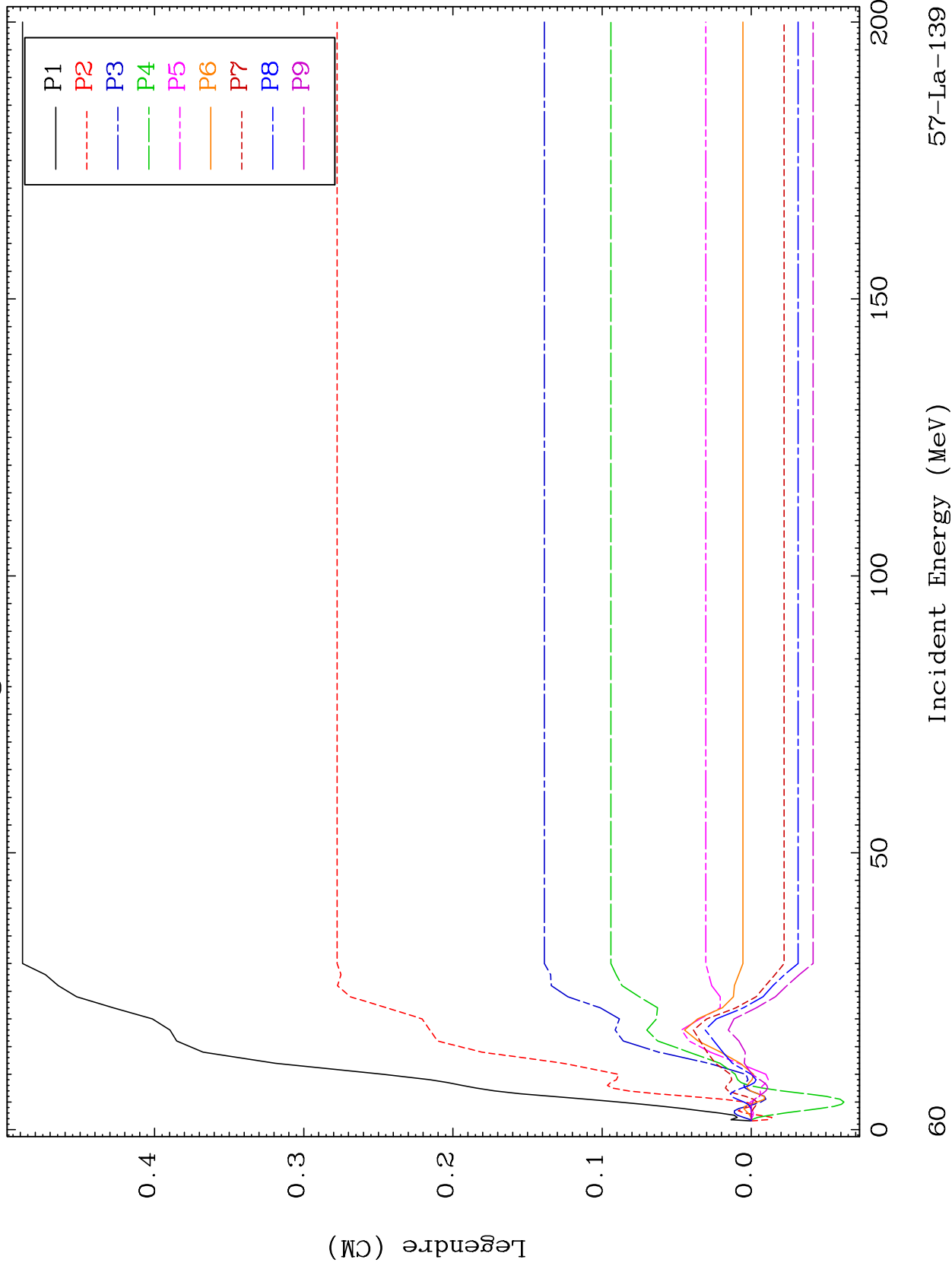
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139

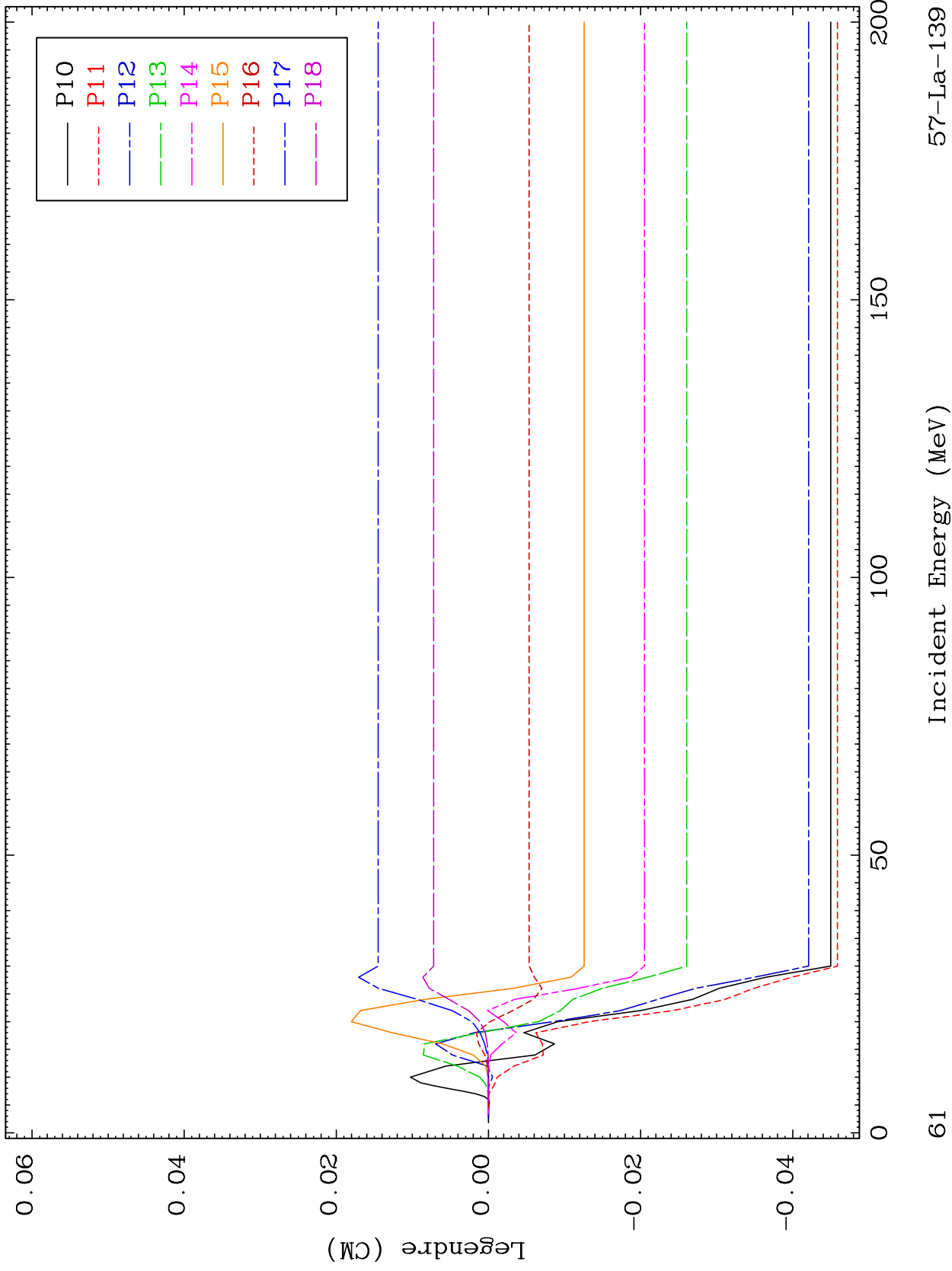


57-La-139

MAT 5728

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

57-La-139



57-La-139

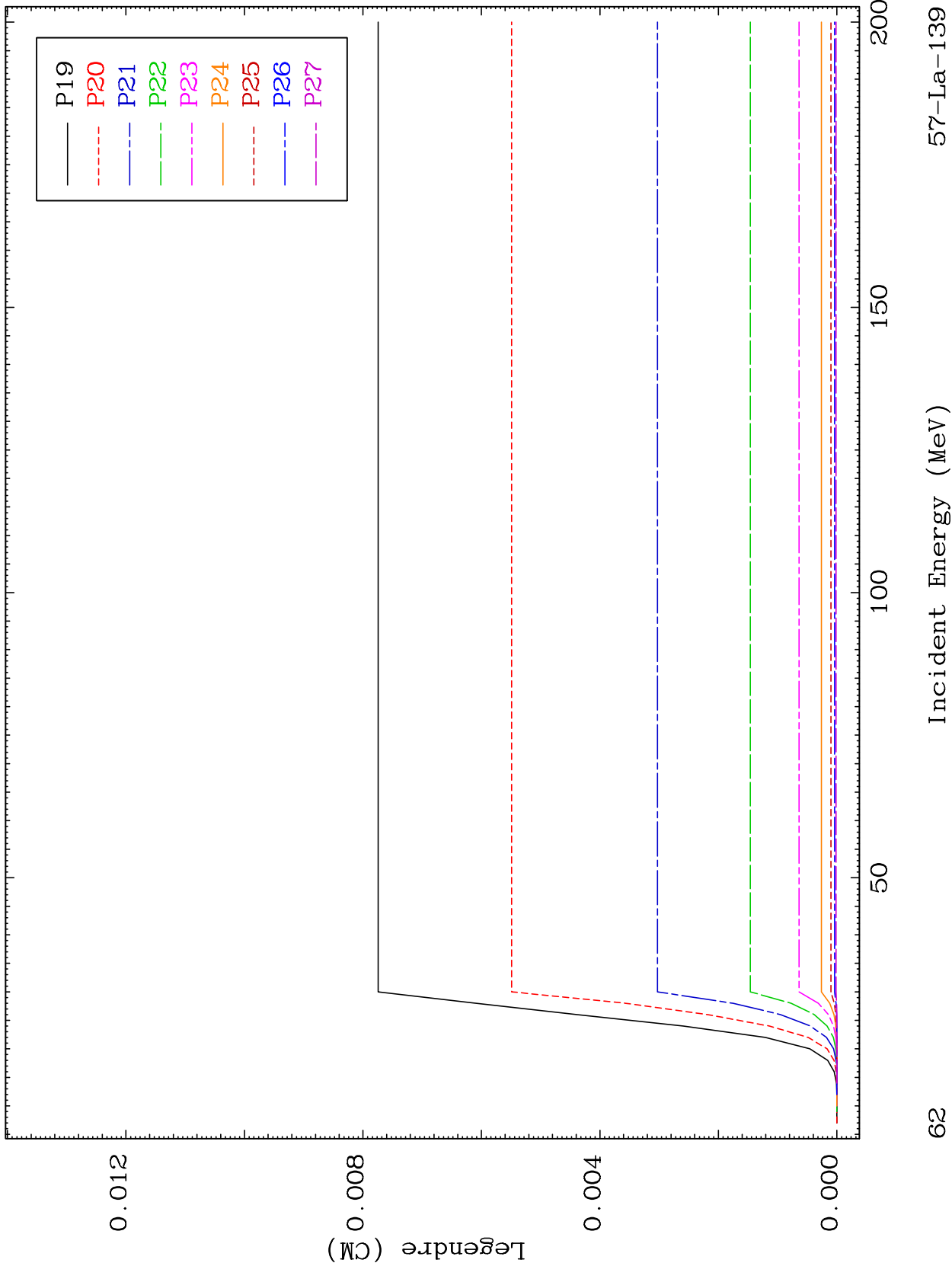
Incident Energy (MeV)

61

MAT 5728

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

57-La-139



62

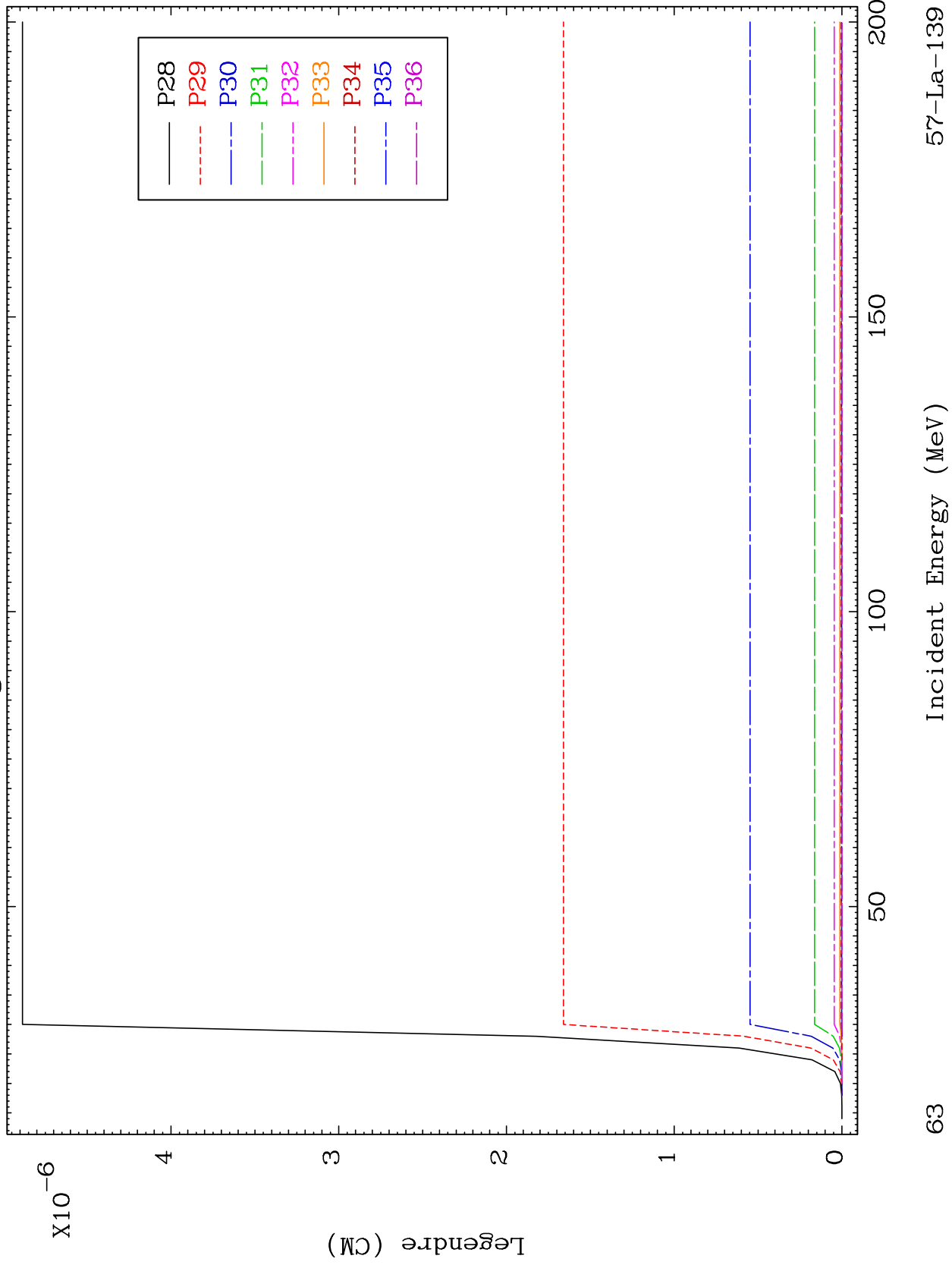
Incident Energy (MeV)

57-La-139

MAT 5728

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

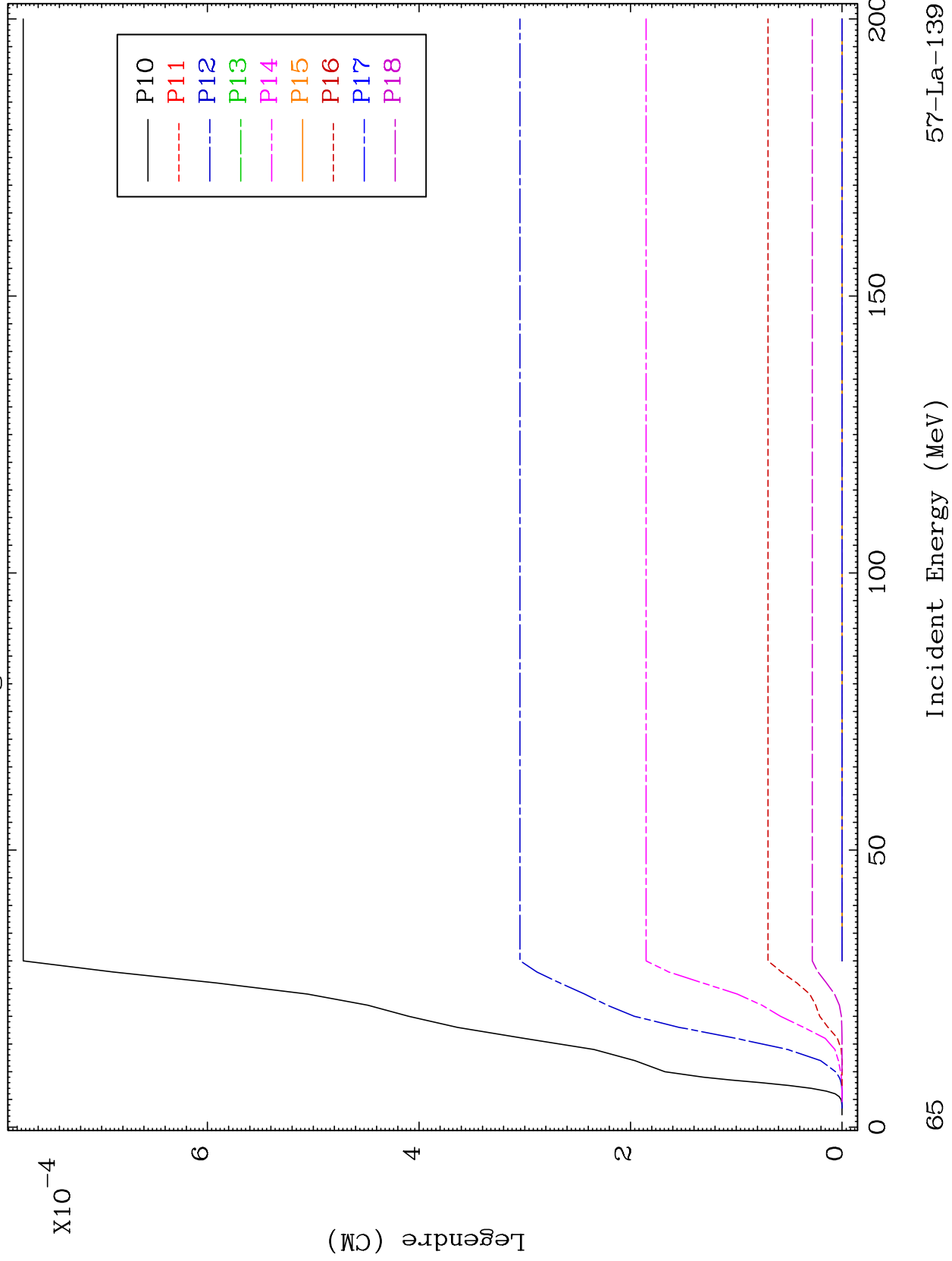
57-La-139



MAT 5728

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

57-La-139



65

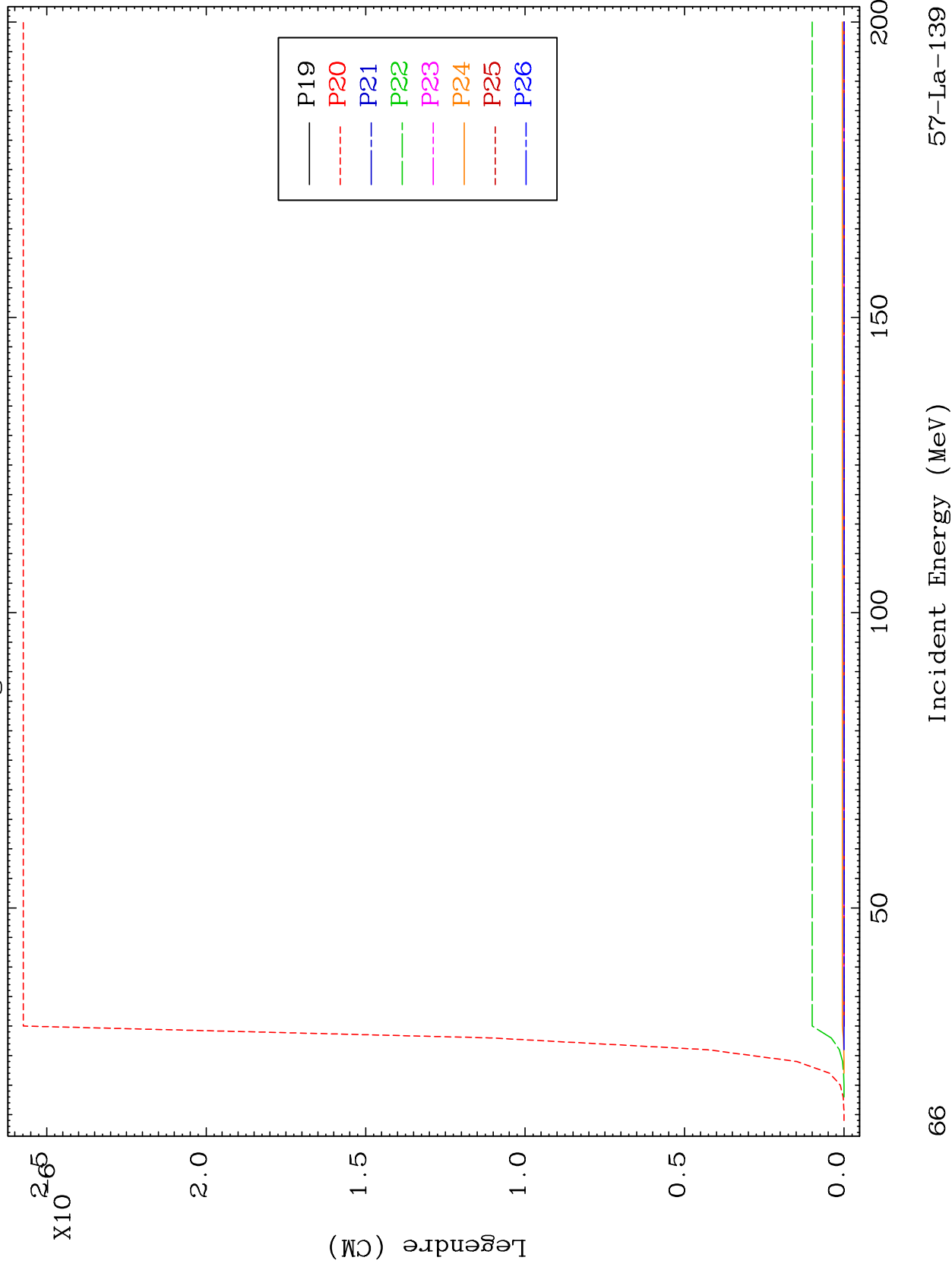
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139

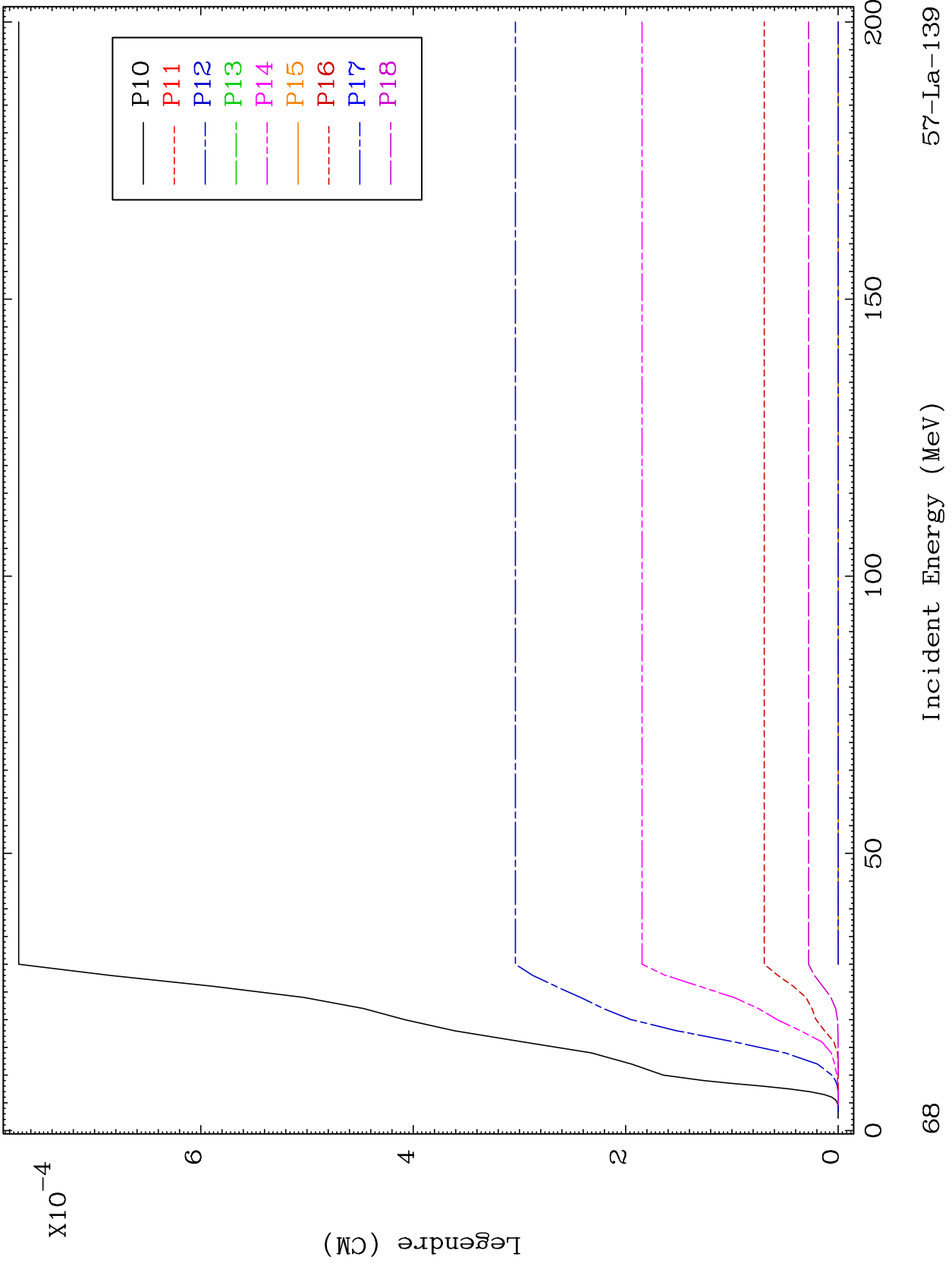


66

MAT 5728

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

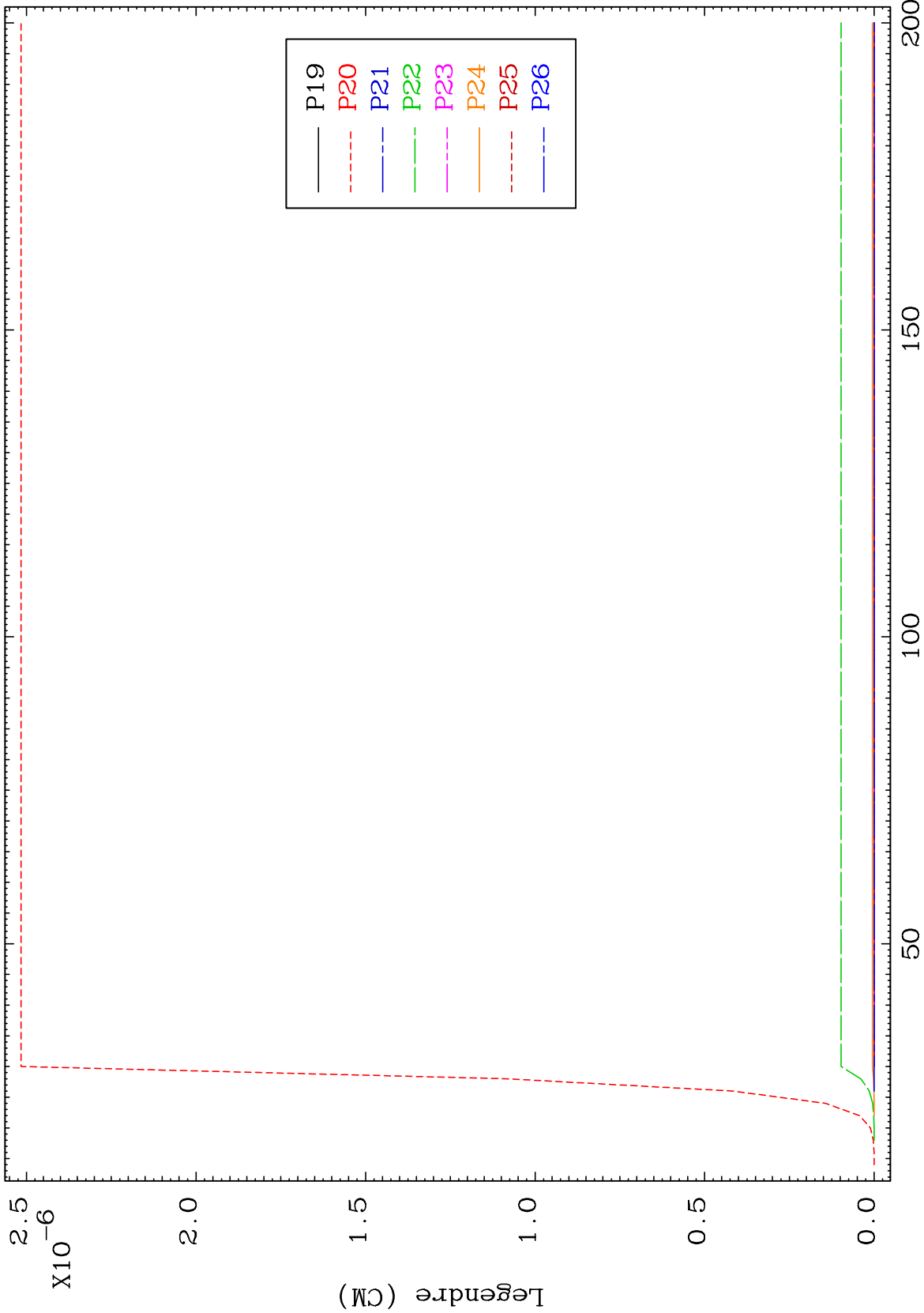
57-La-139



MAT 5728

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

57-La-139



69

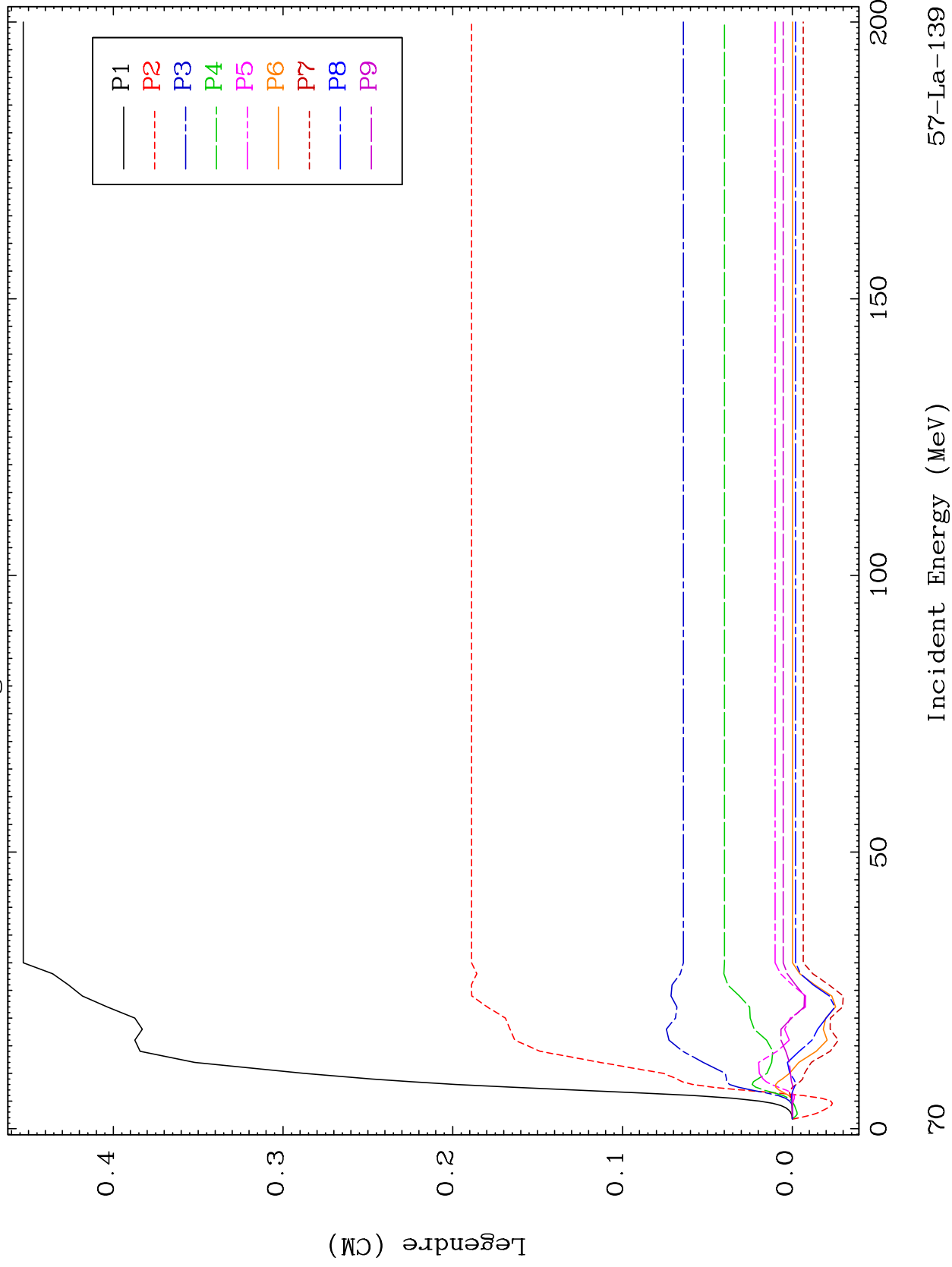
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



57-La-139

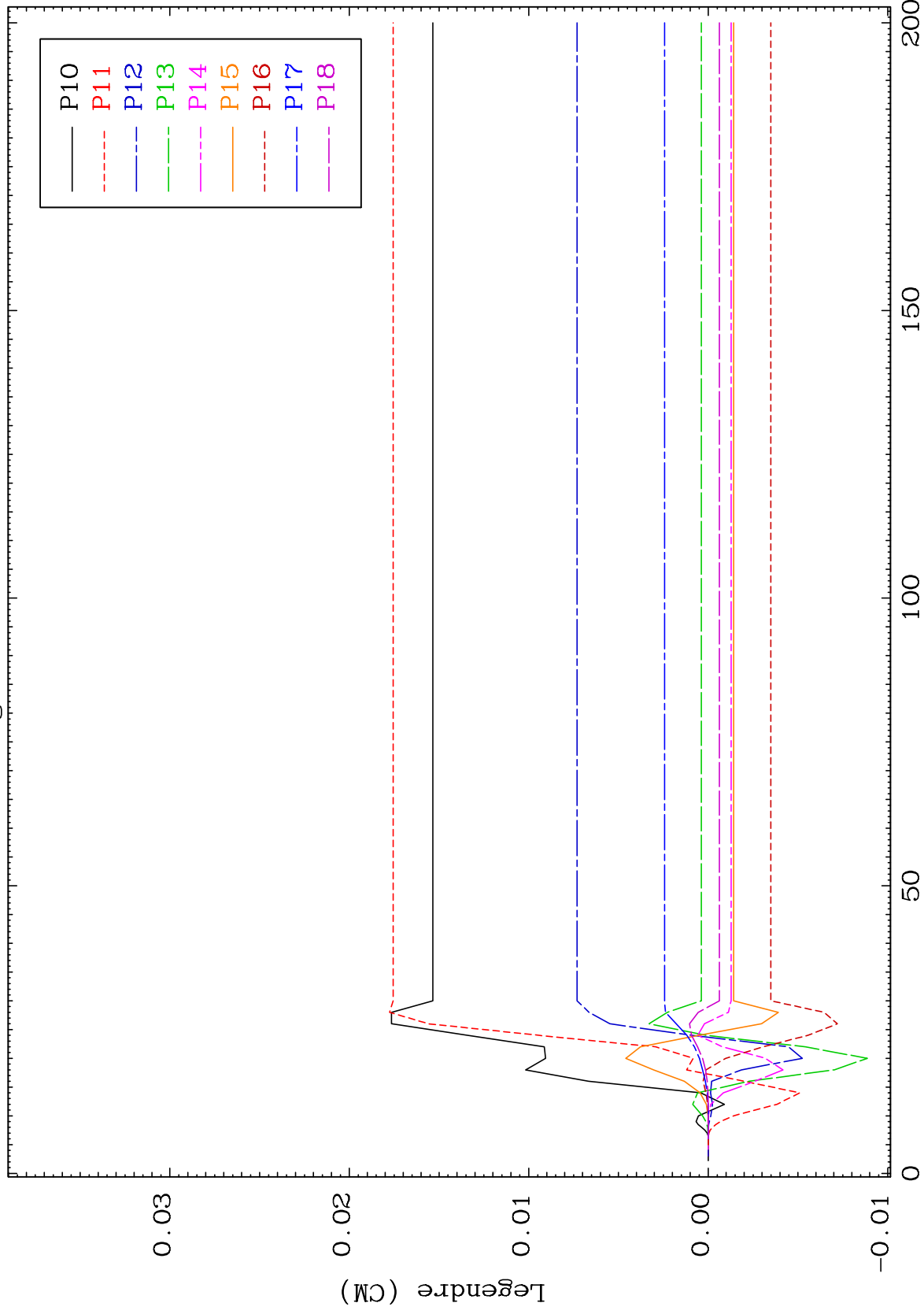
Incident Energy (MeV)

70

MAT 5728

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

57-La-139



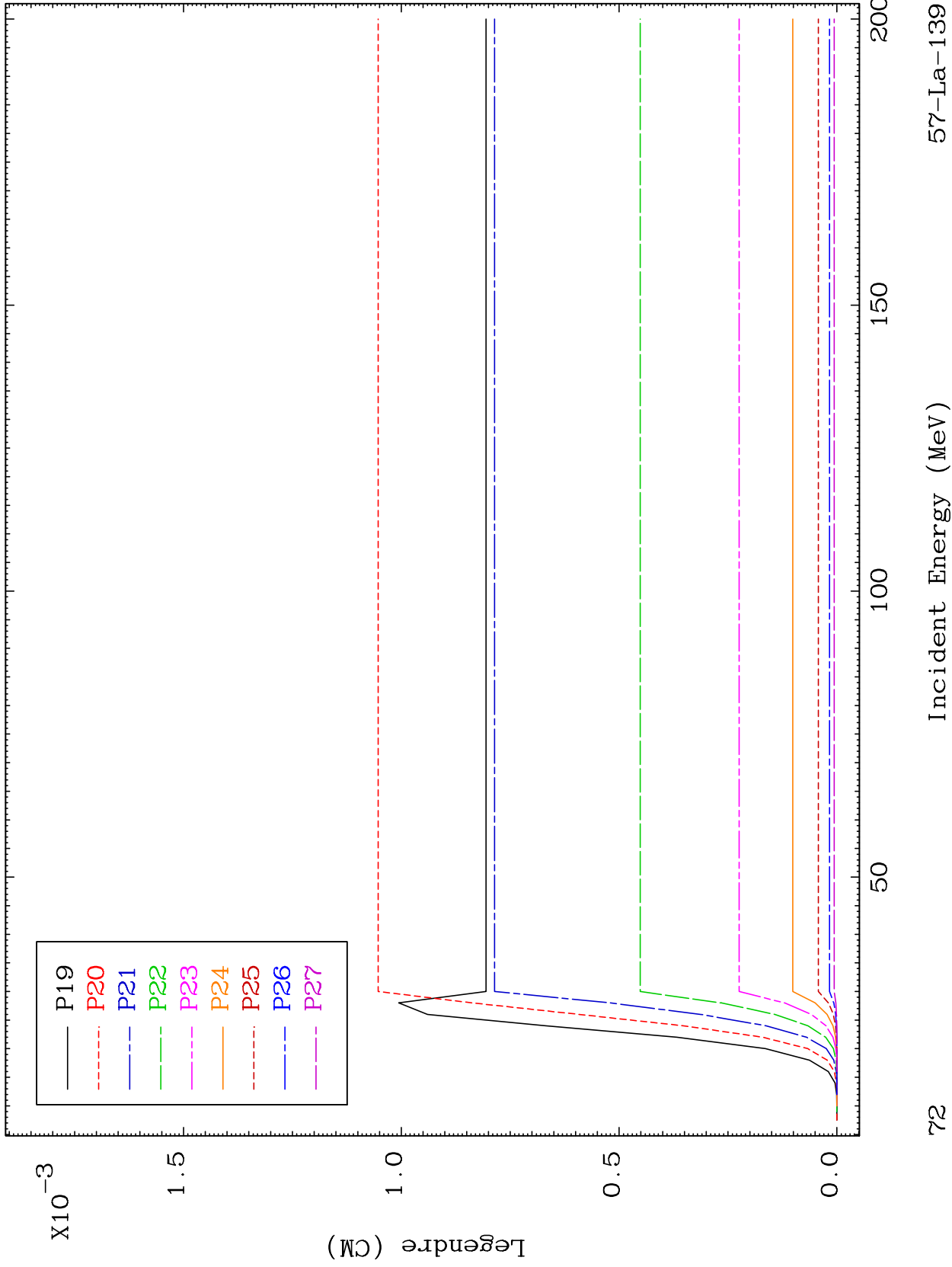
71

57-La-139

MAT 5728

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

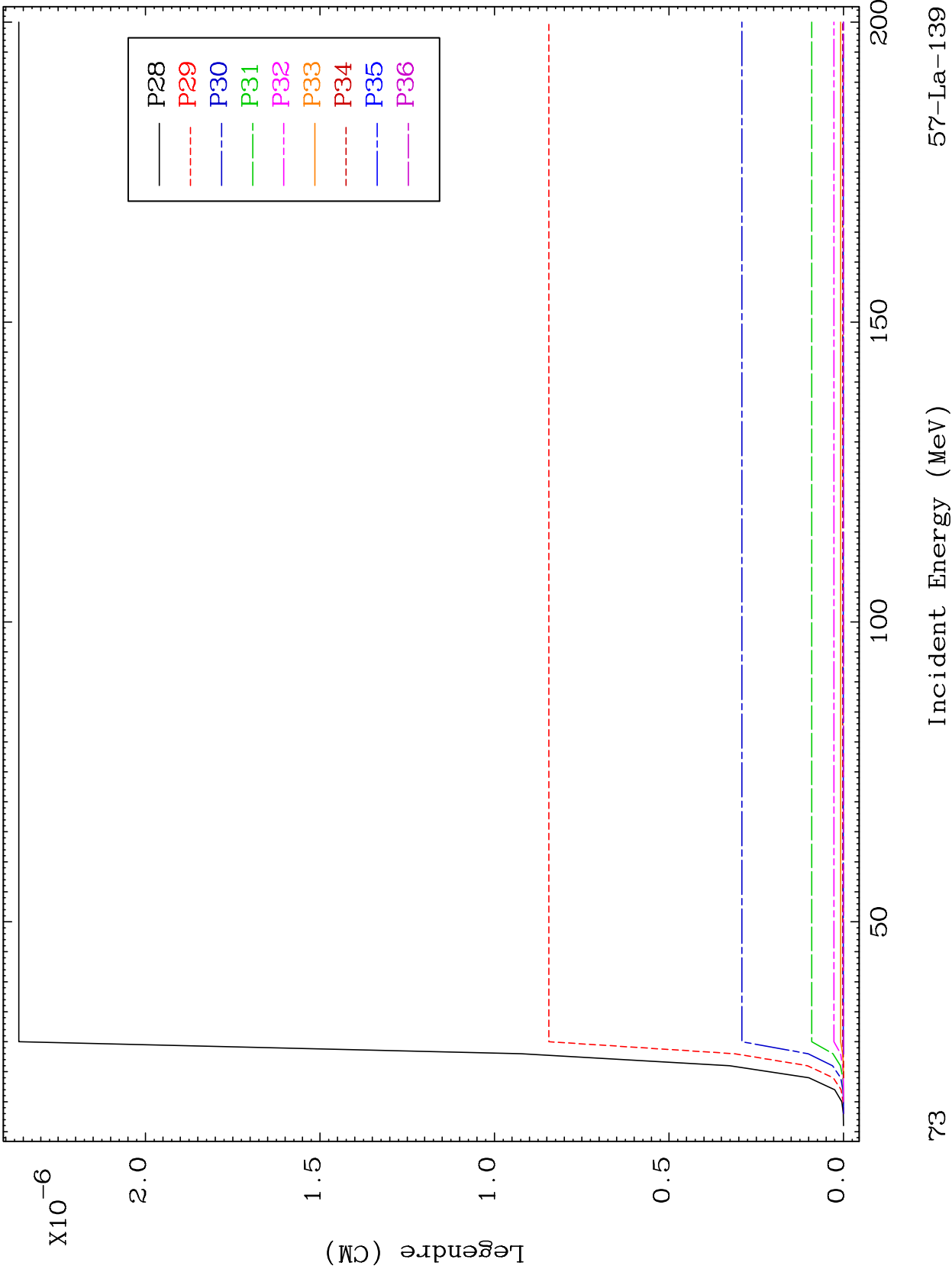
57-La-139



MAT 5728

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

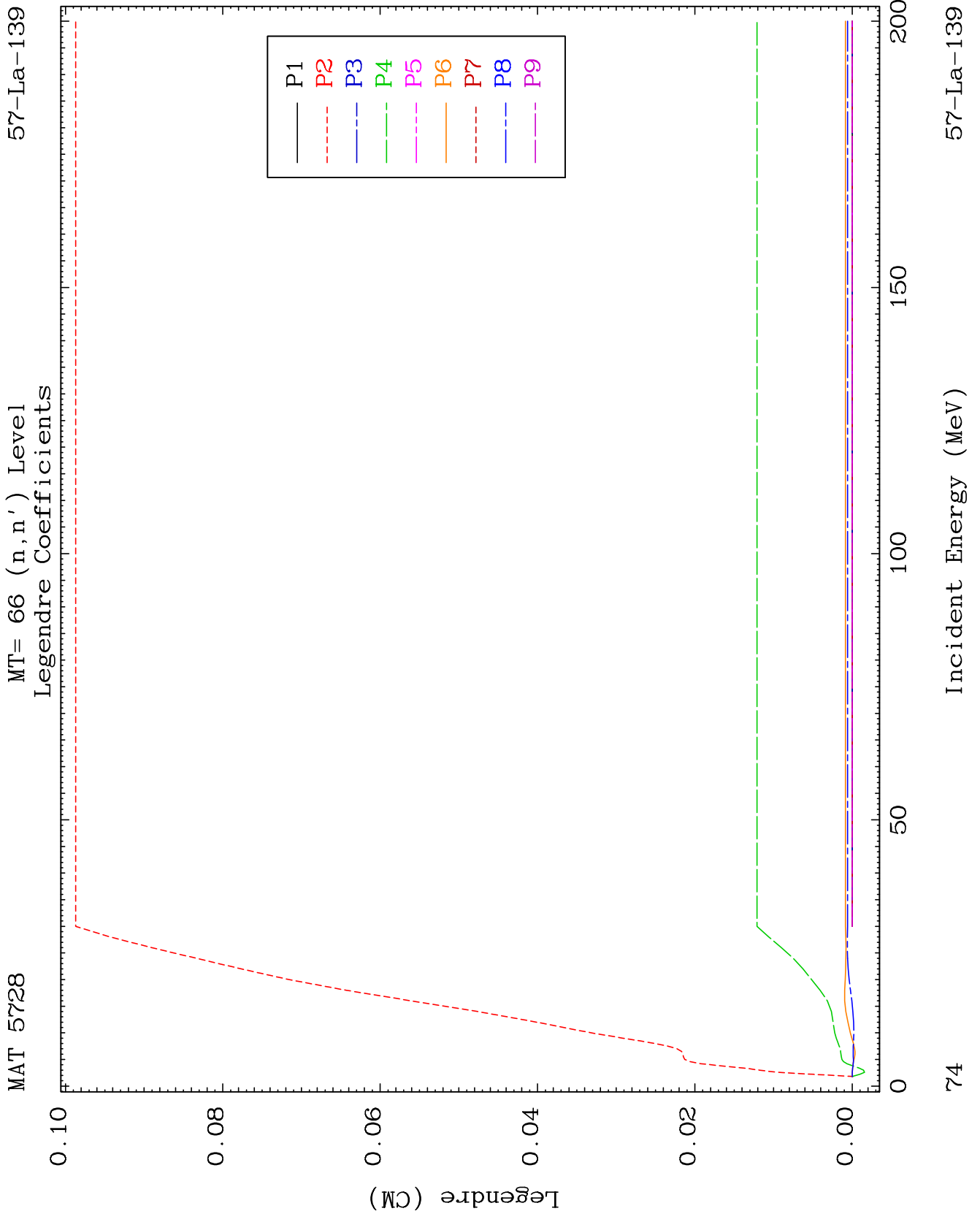
57-La-139



73

Incident Energy (MeV)

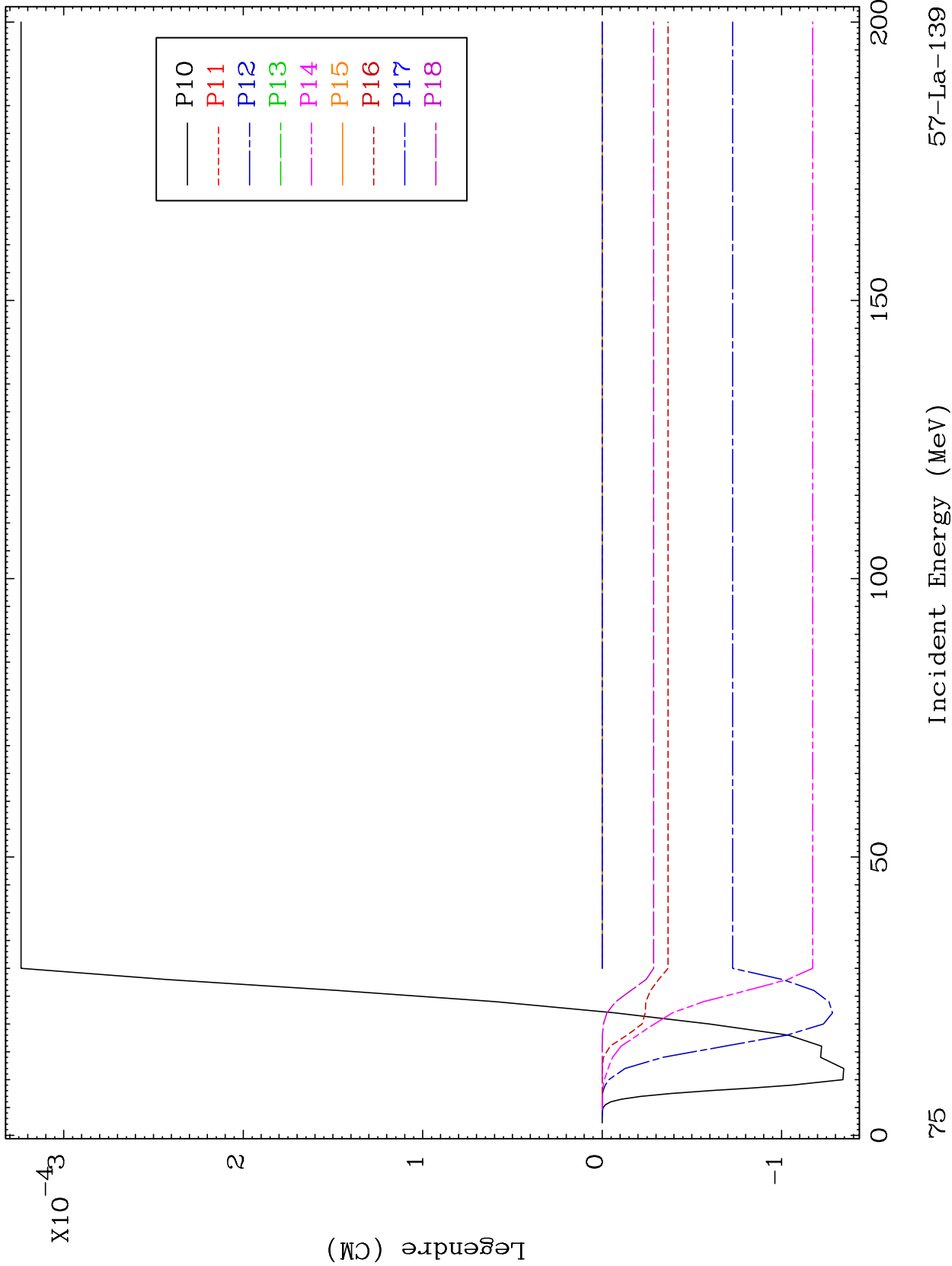
57-La-139



MAT 5728

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

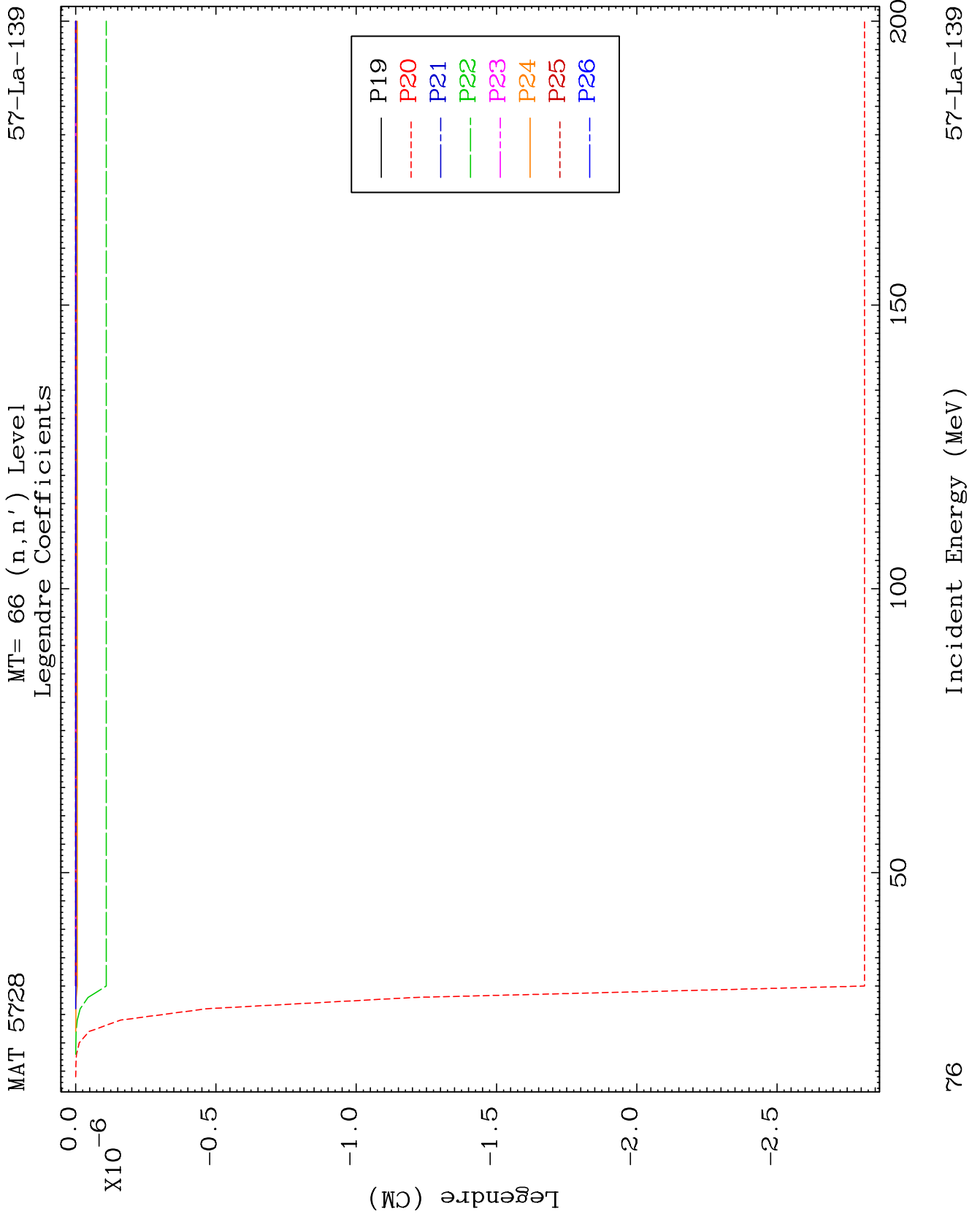
57-La-139



57-La-139

Incident Energy (MeV)

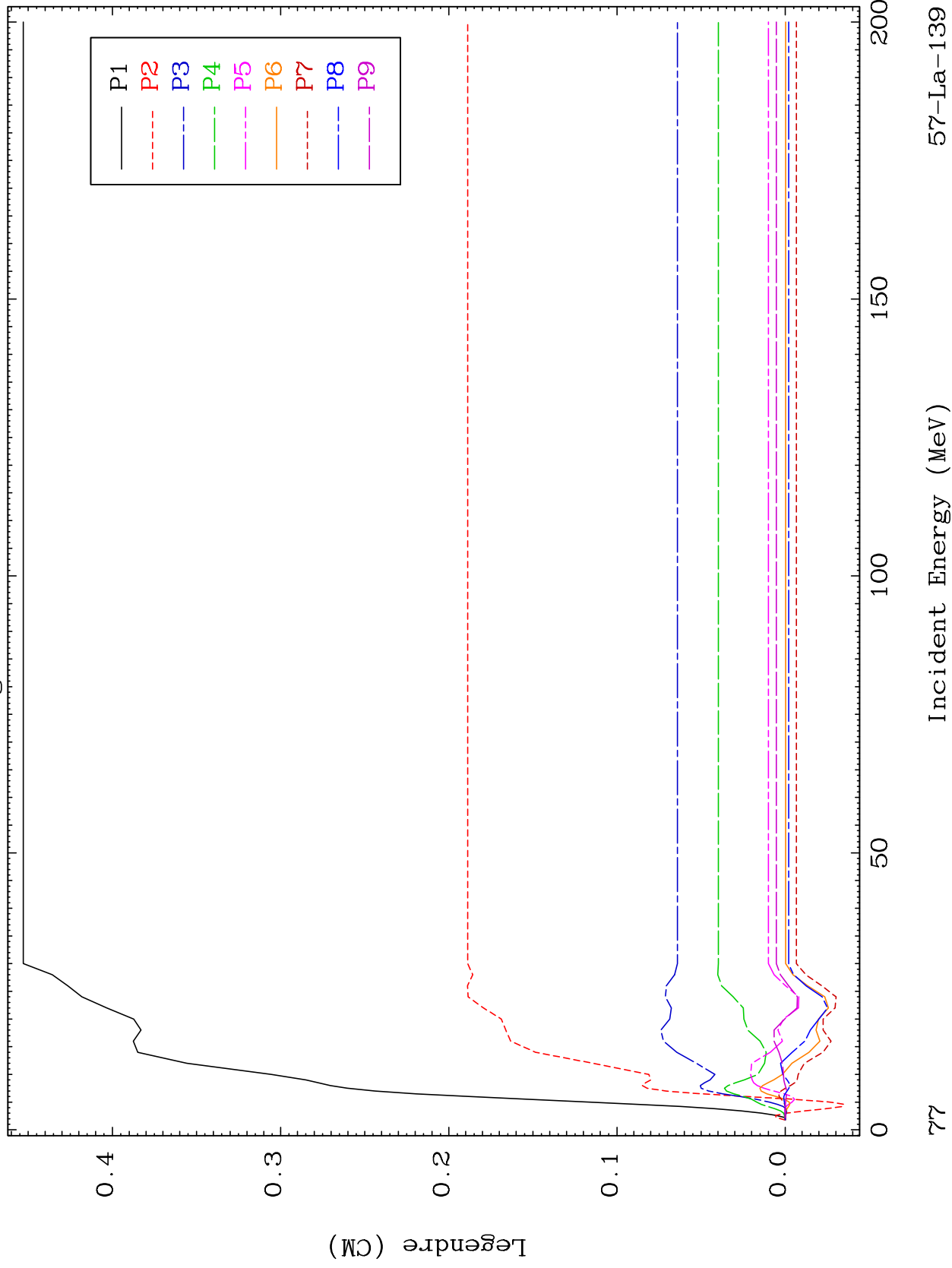
75



MAT 5728

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

57-La-139



57-La-139

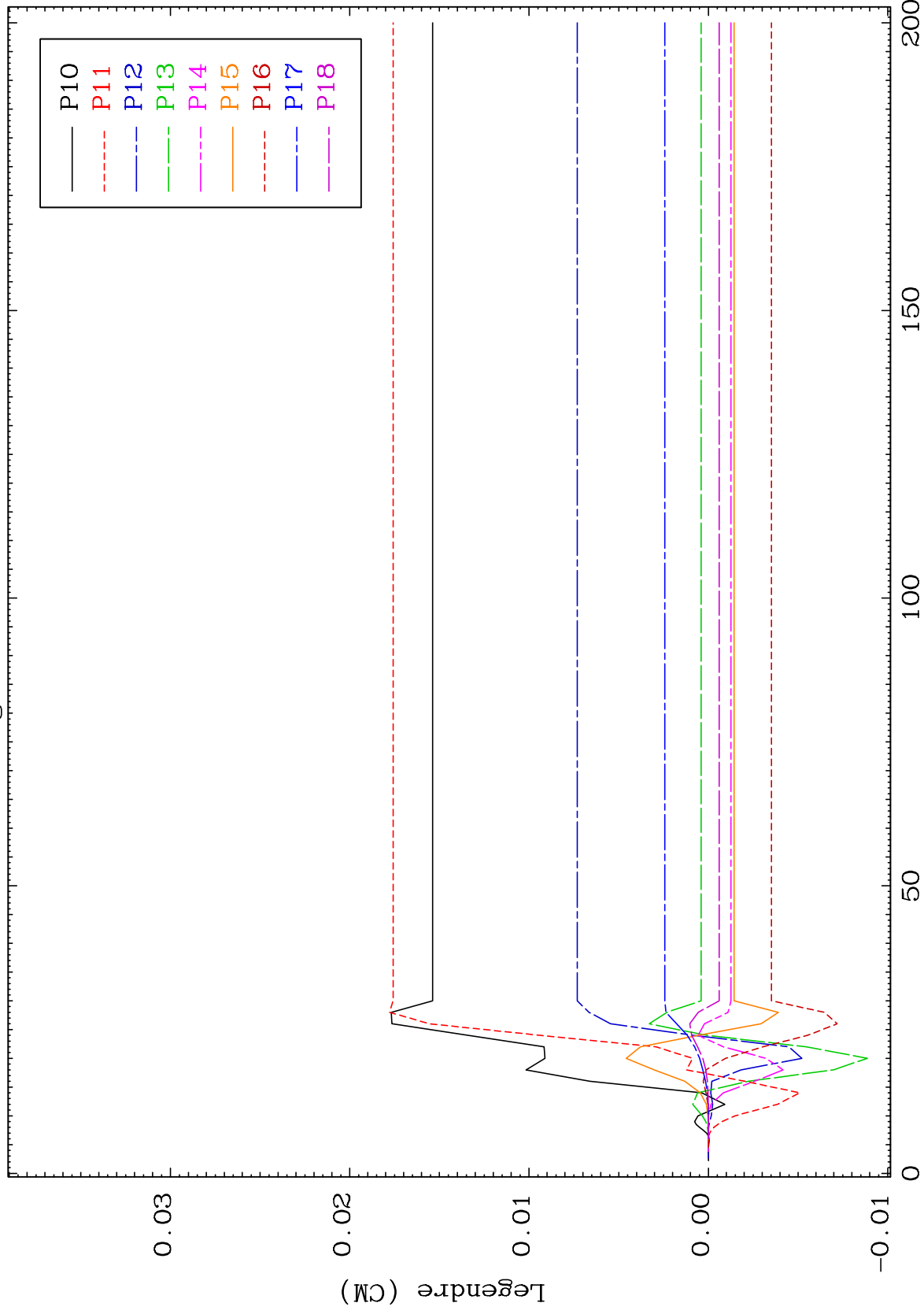
Incident Energy (MeV)

77

MAT 5728

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

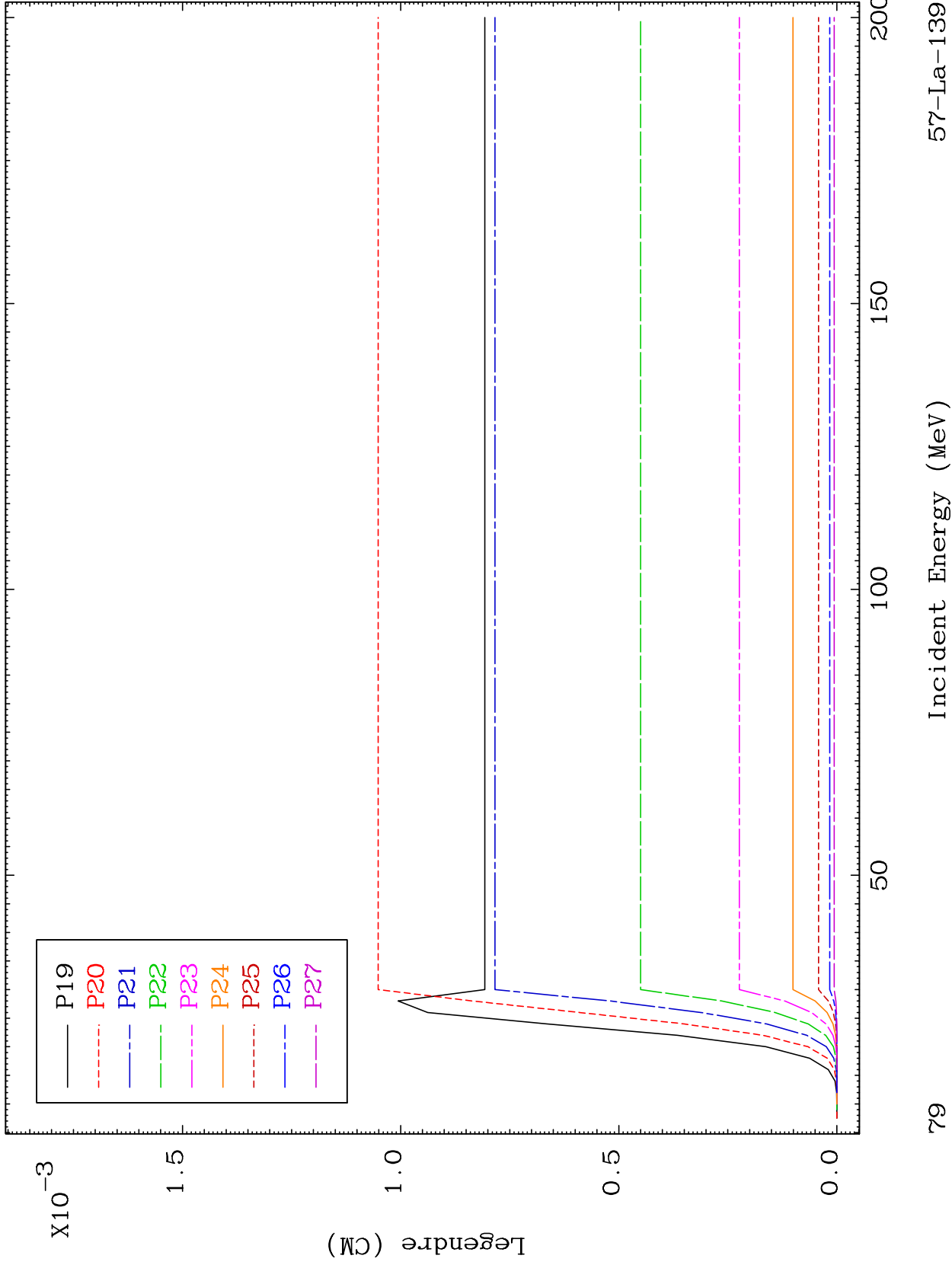
57-La-139



78

Incident Energy (MeV)

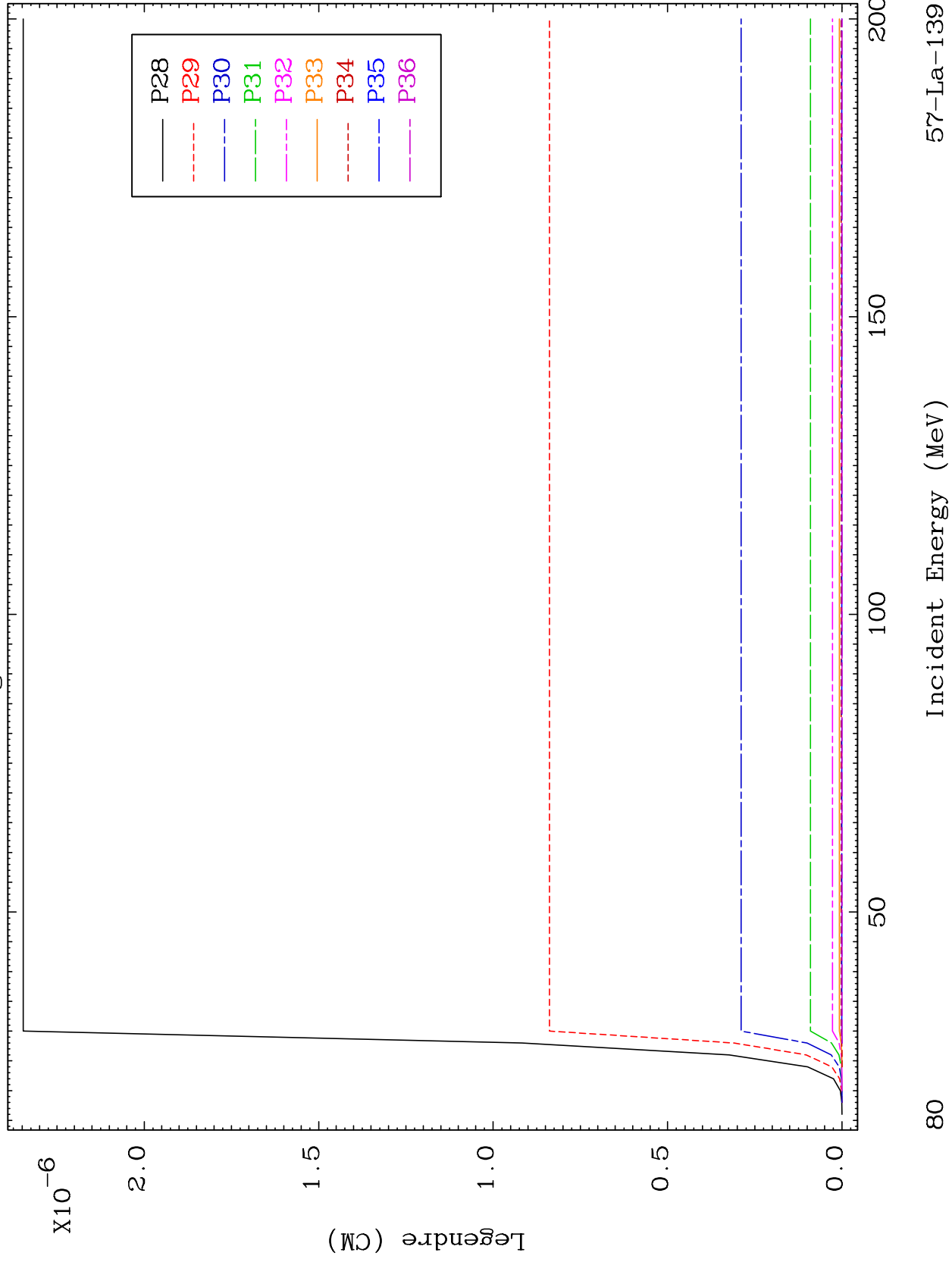
57-La-139



MAT 5728

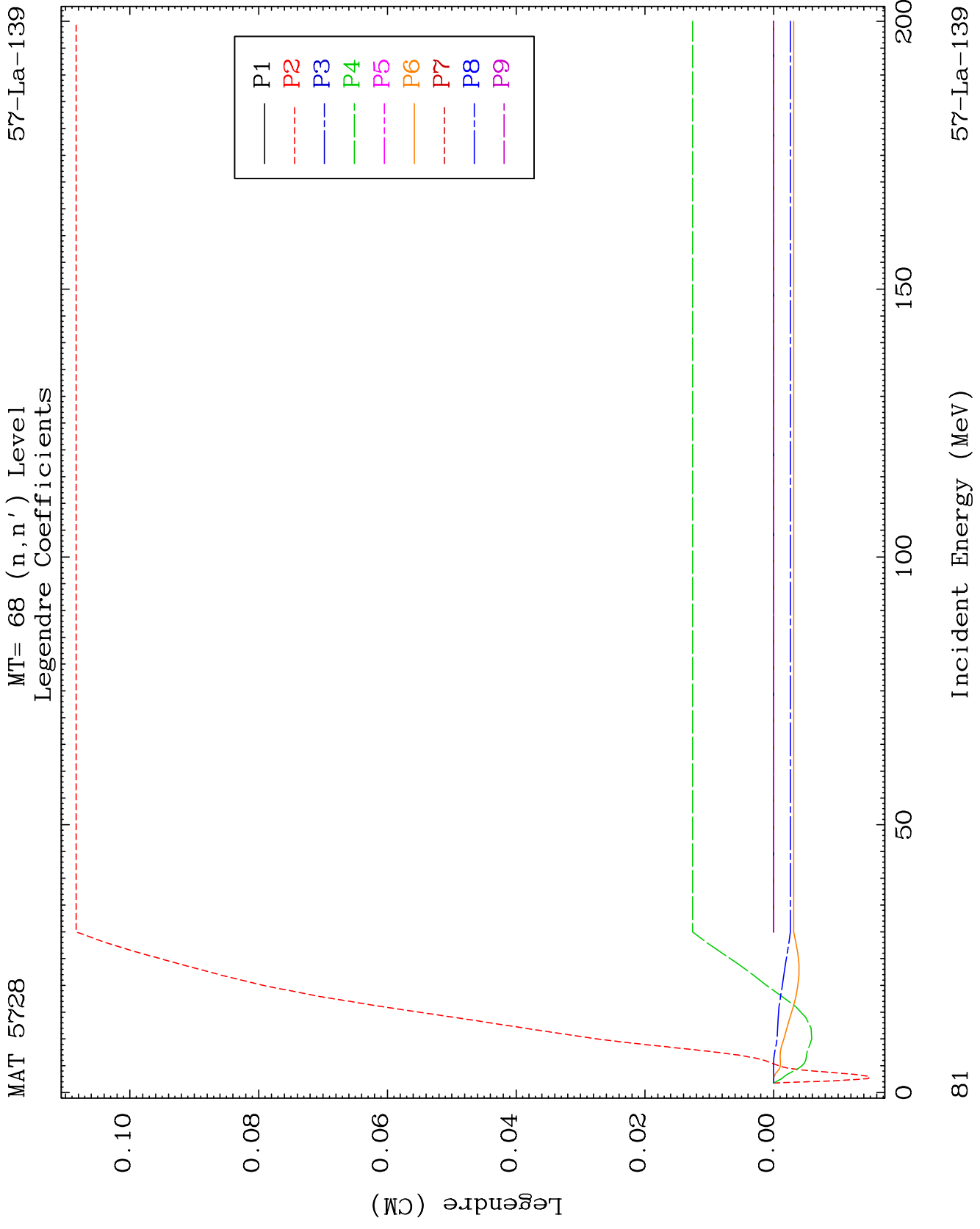
MT= 67 (n,n') Level
Legendre Coefficients

57-La-139



57-La-139

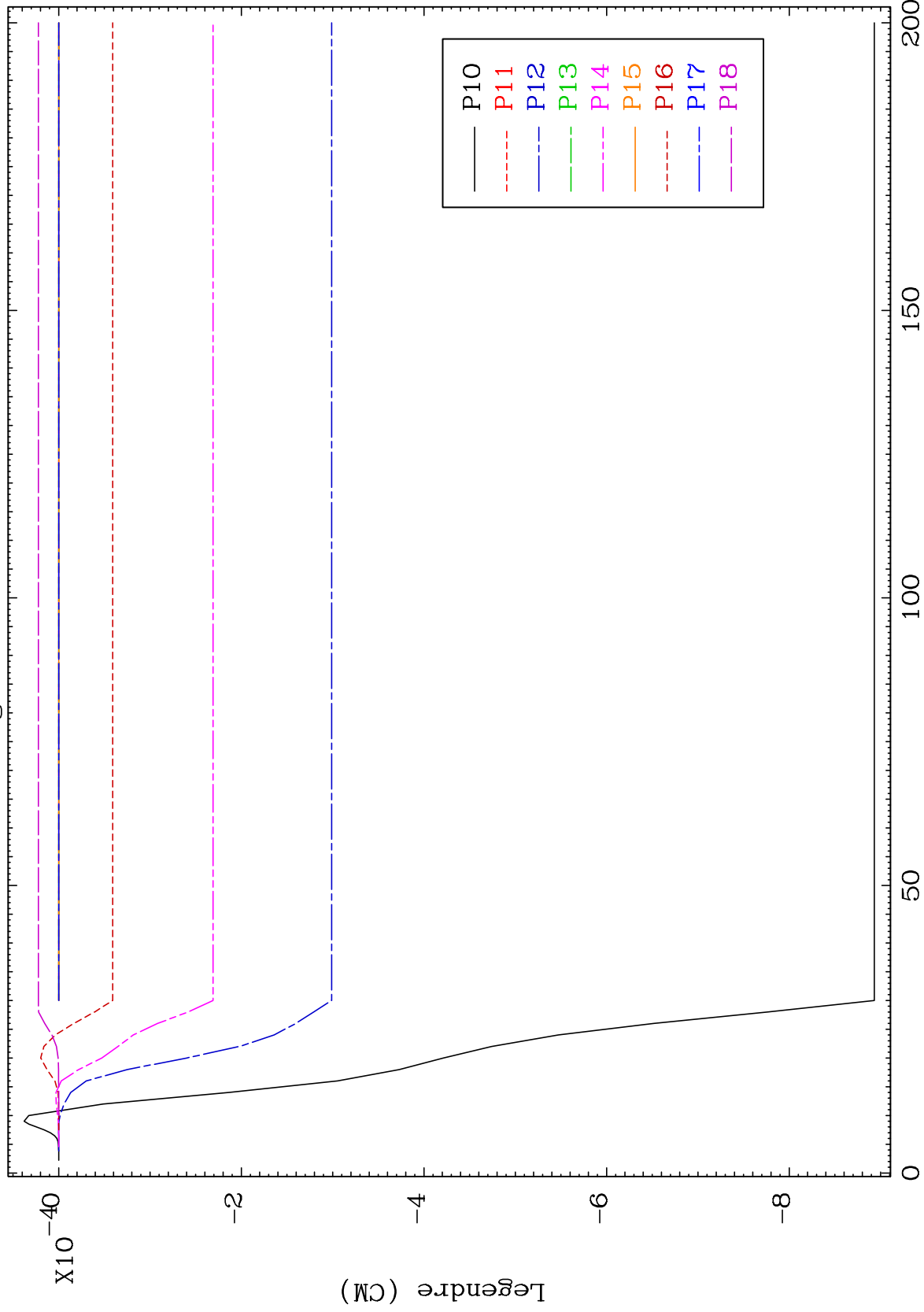
80



MAT 5728

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

57-La-139



82

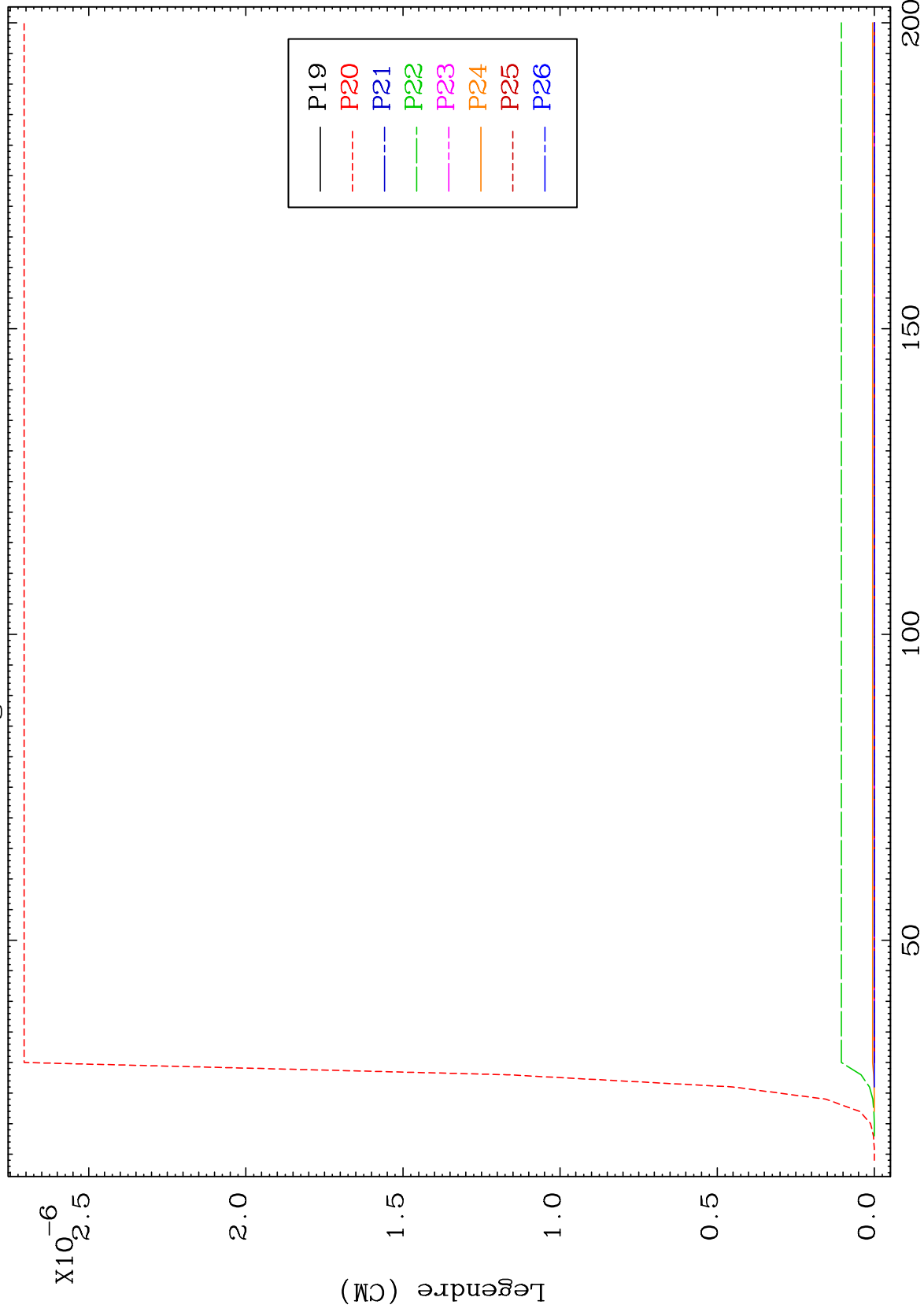
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



83

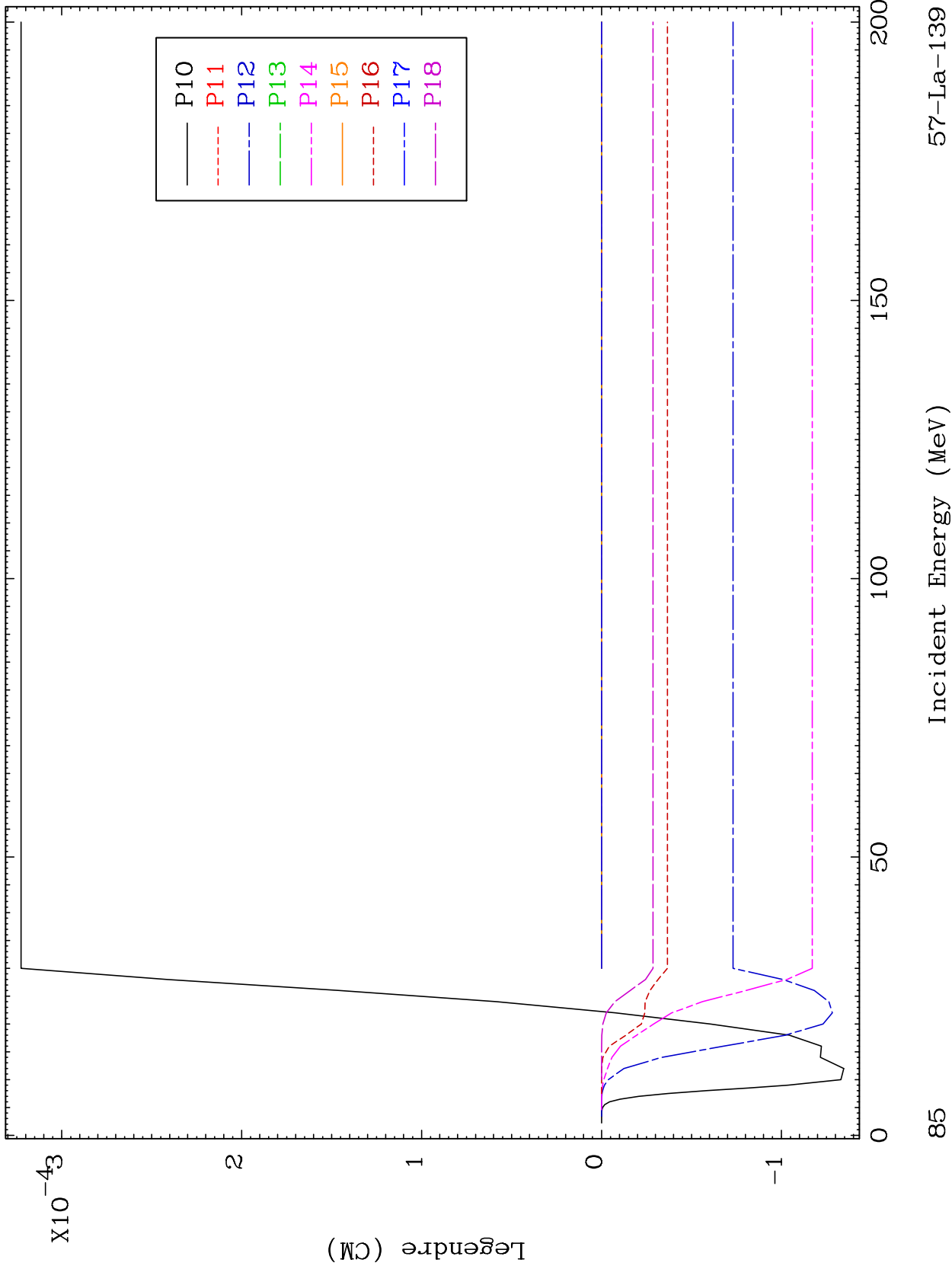
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139

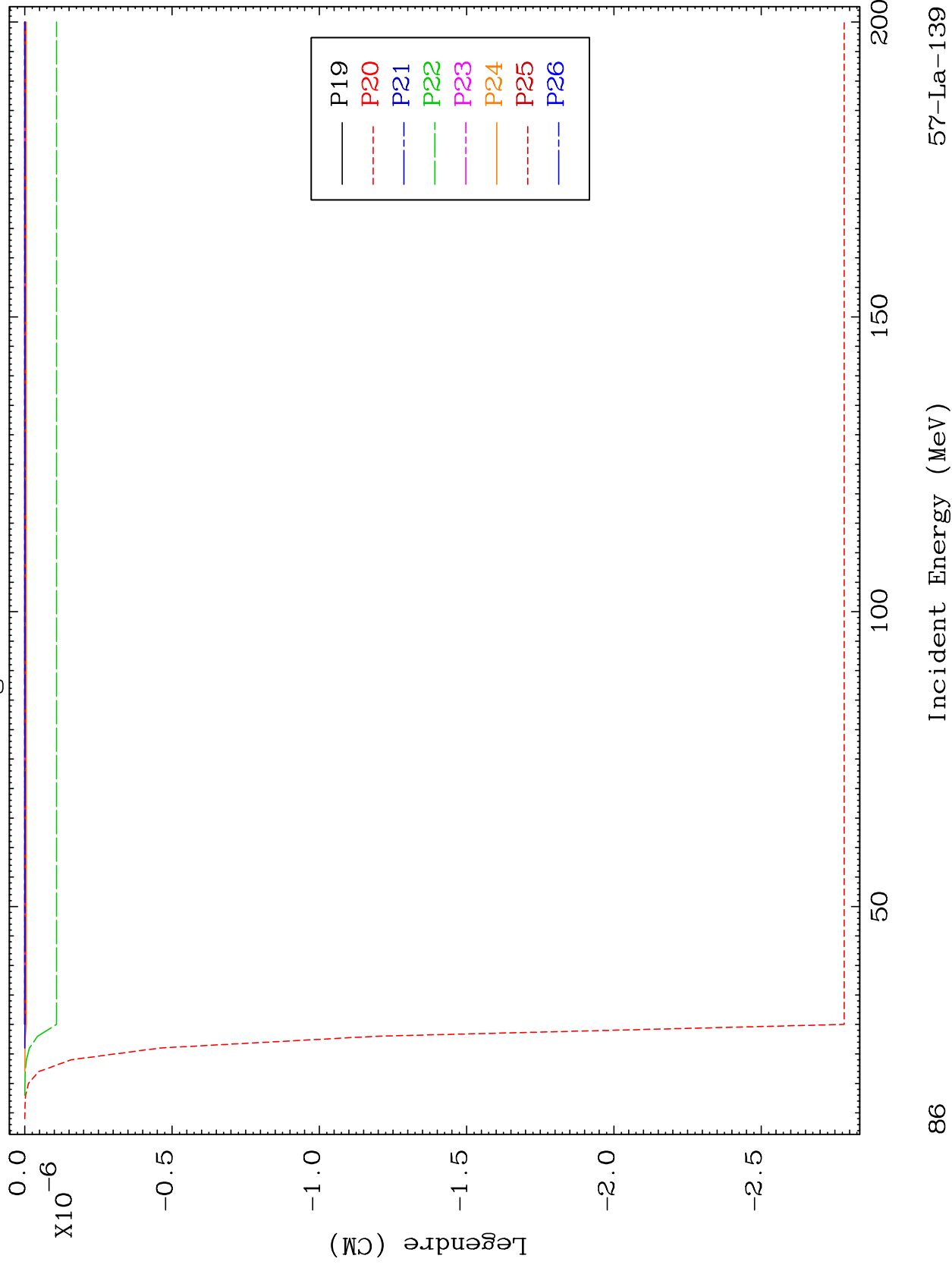


57-La-139

MAT 5728

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

57-La-139



86

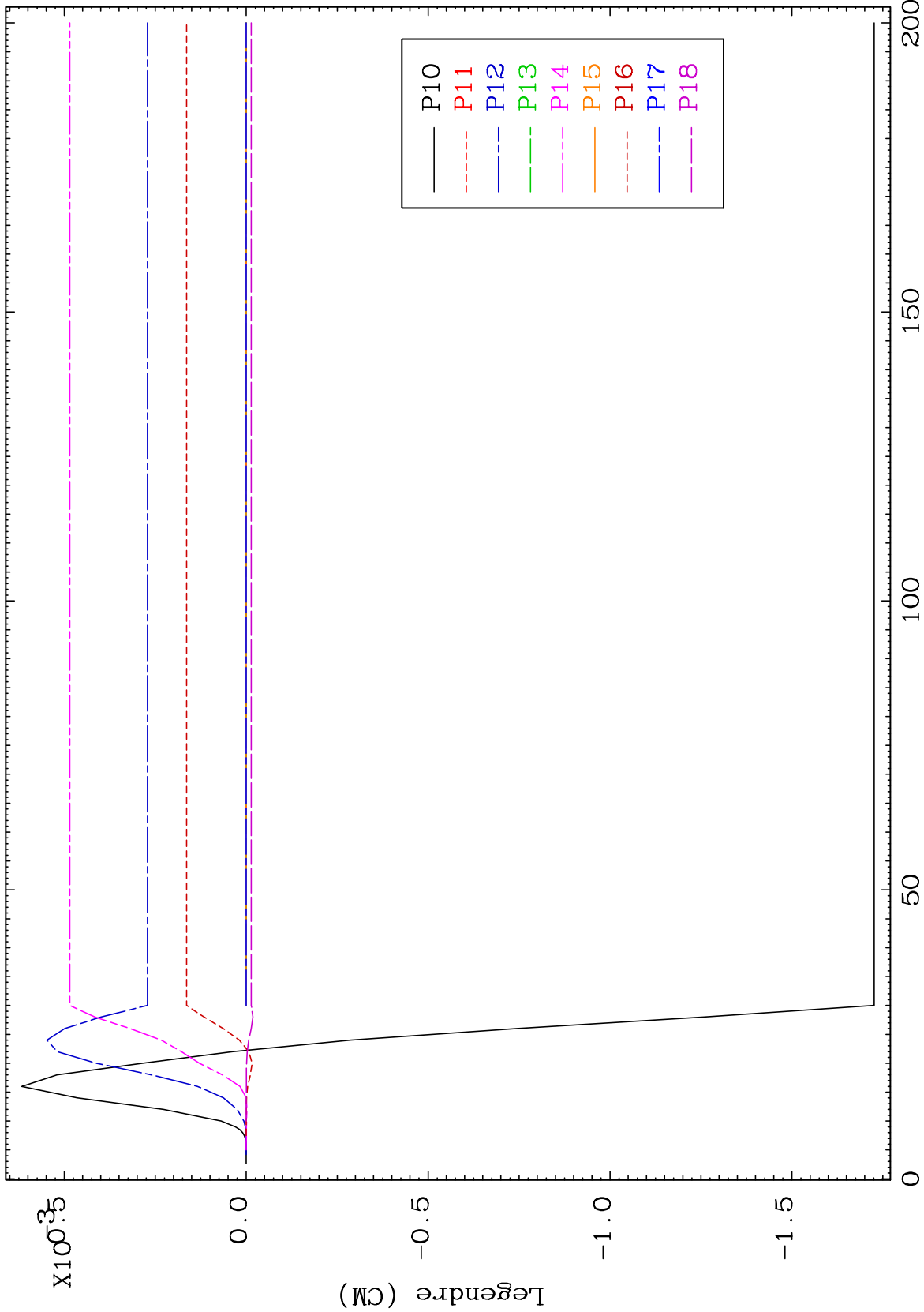
Incident Energy (MeV)

57-La-139

MAT 5728

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

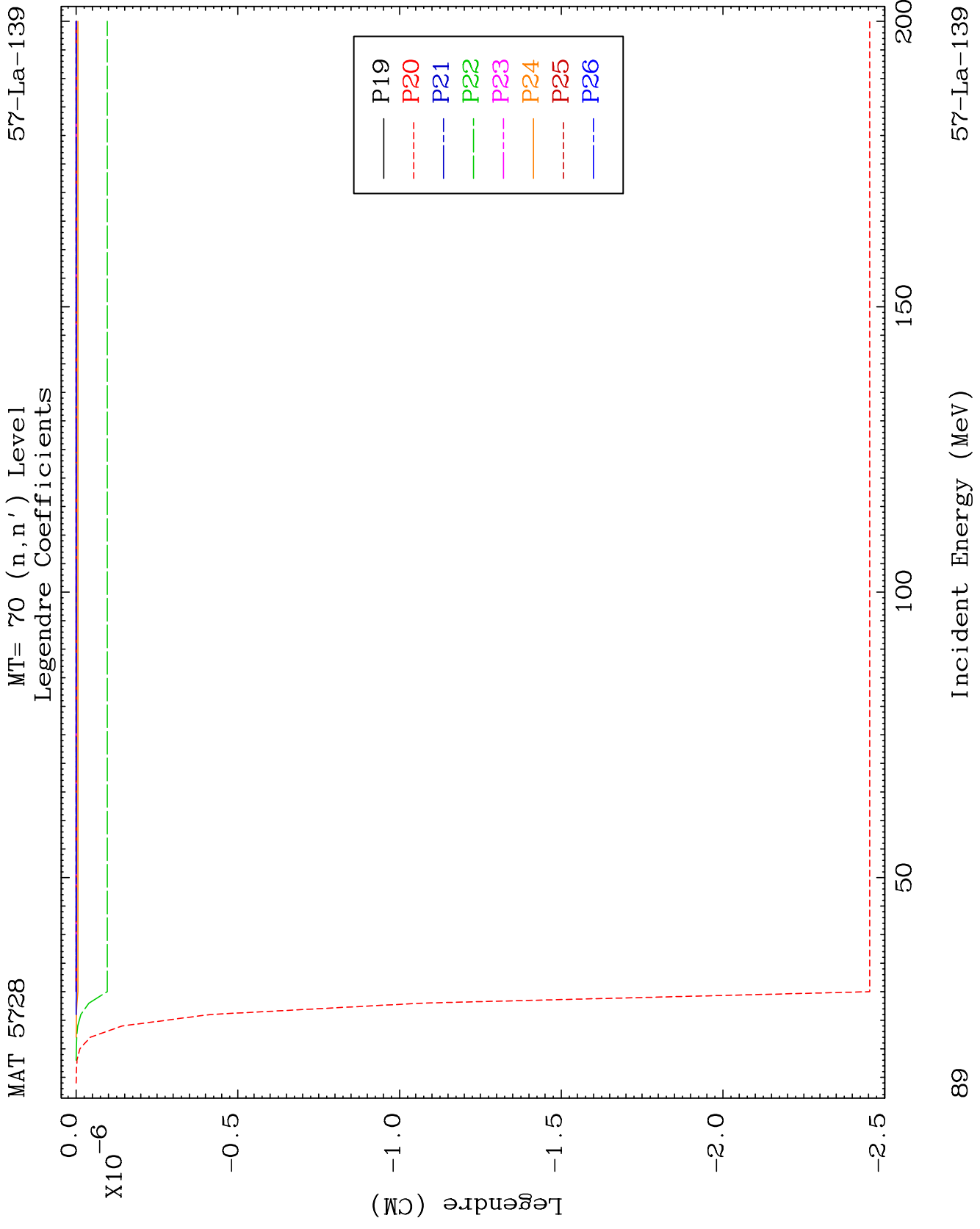
57-La-139



88

Incident Energy (MeV)

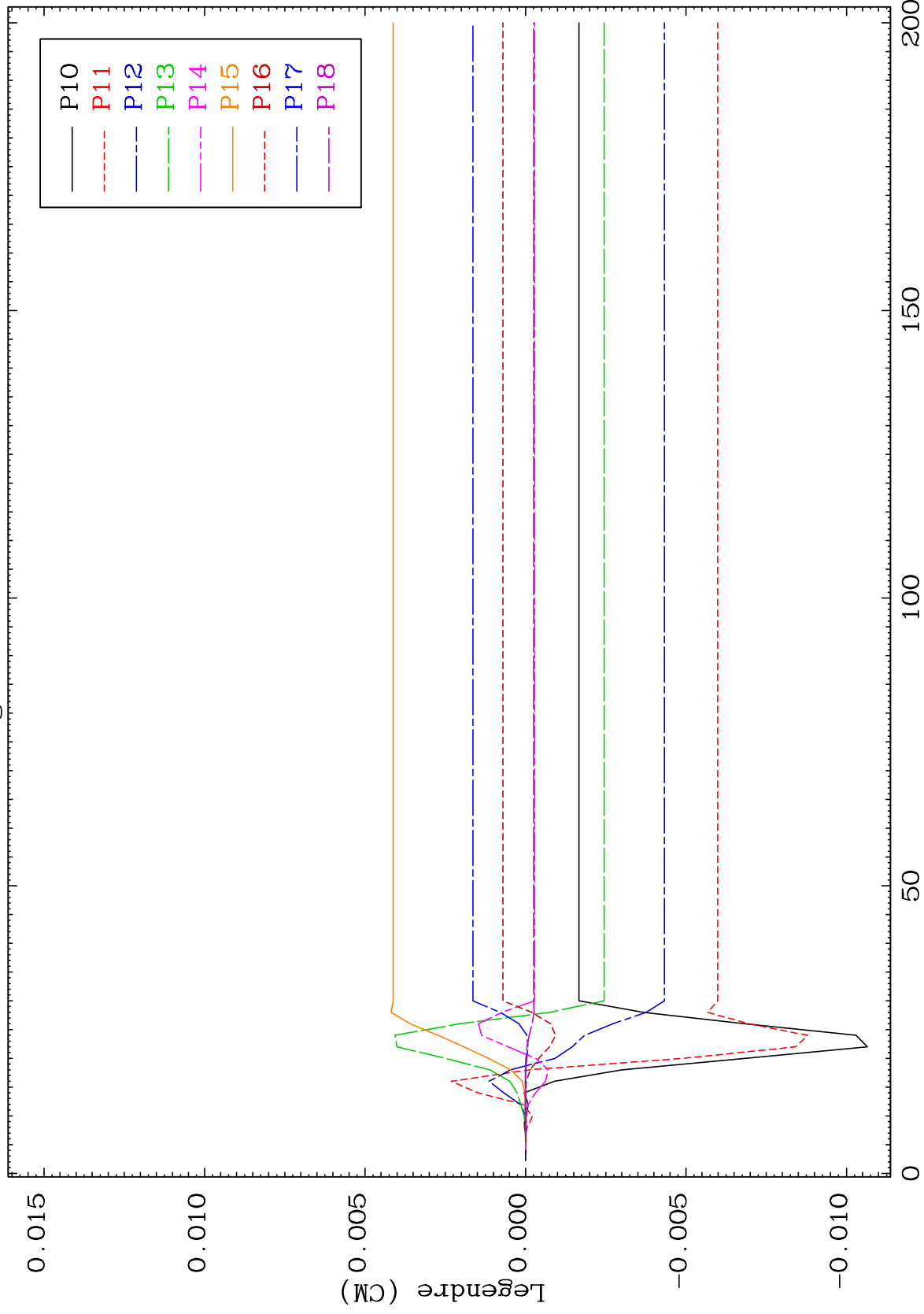
57-La-139



MAT 5728

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

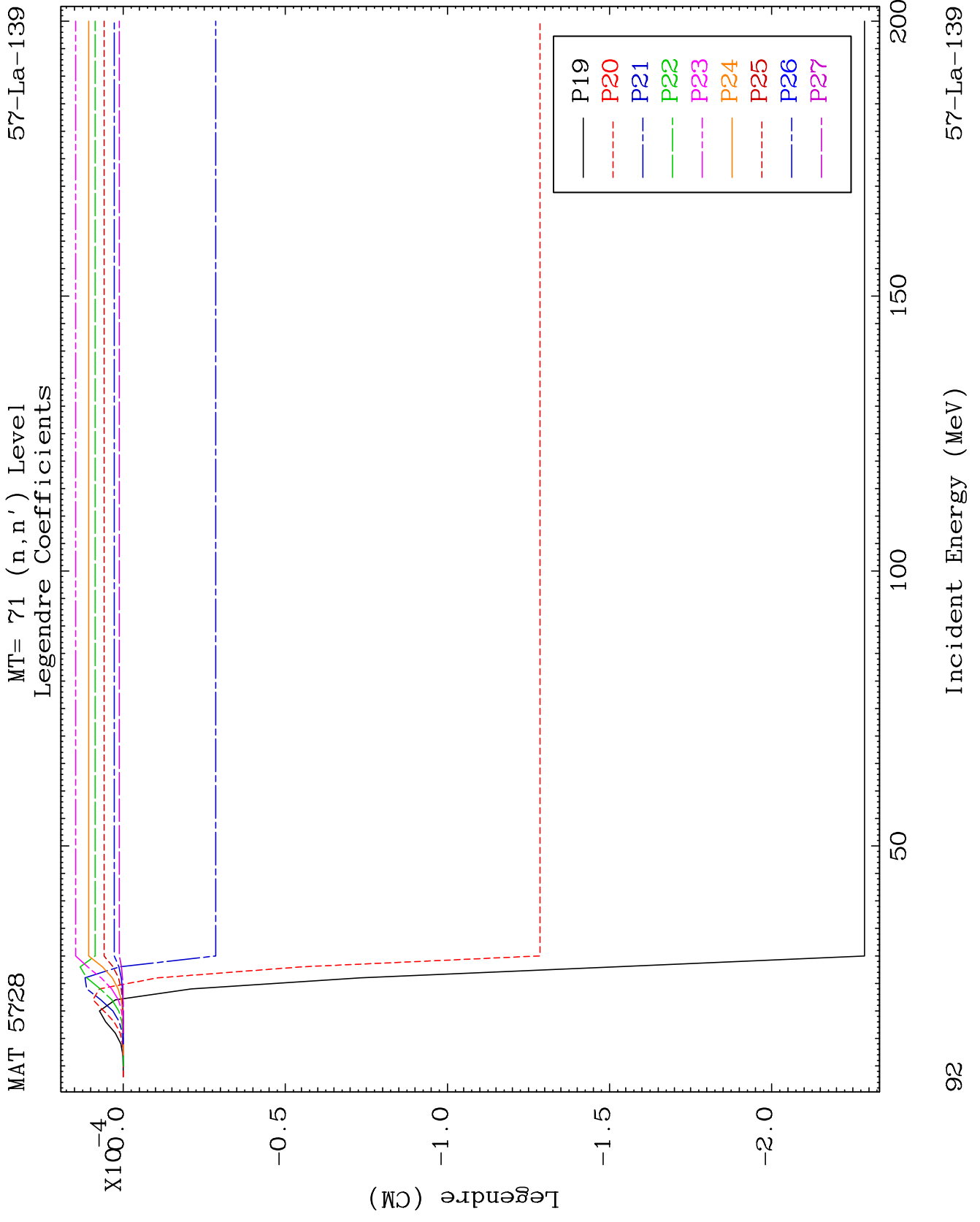
57-La-139



91

Incident Energy (MeV)

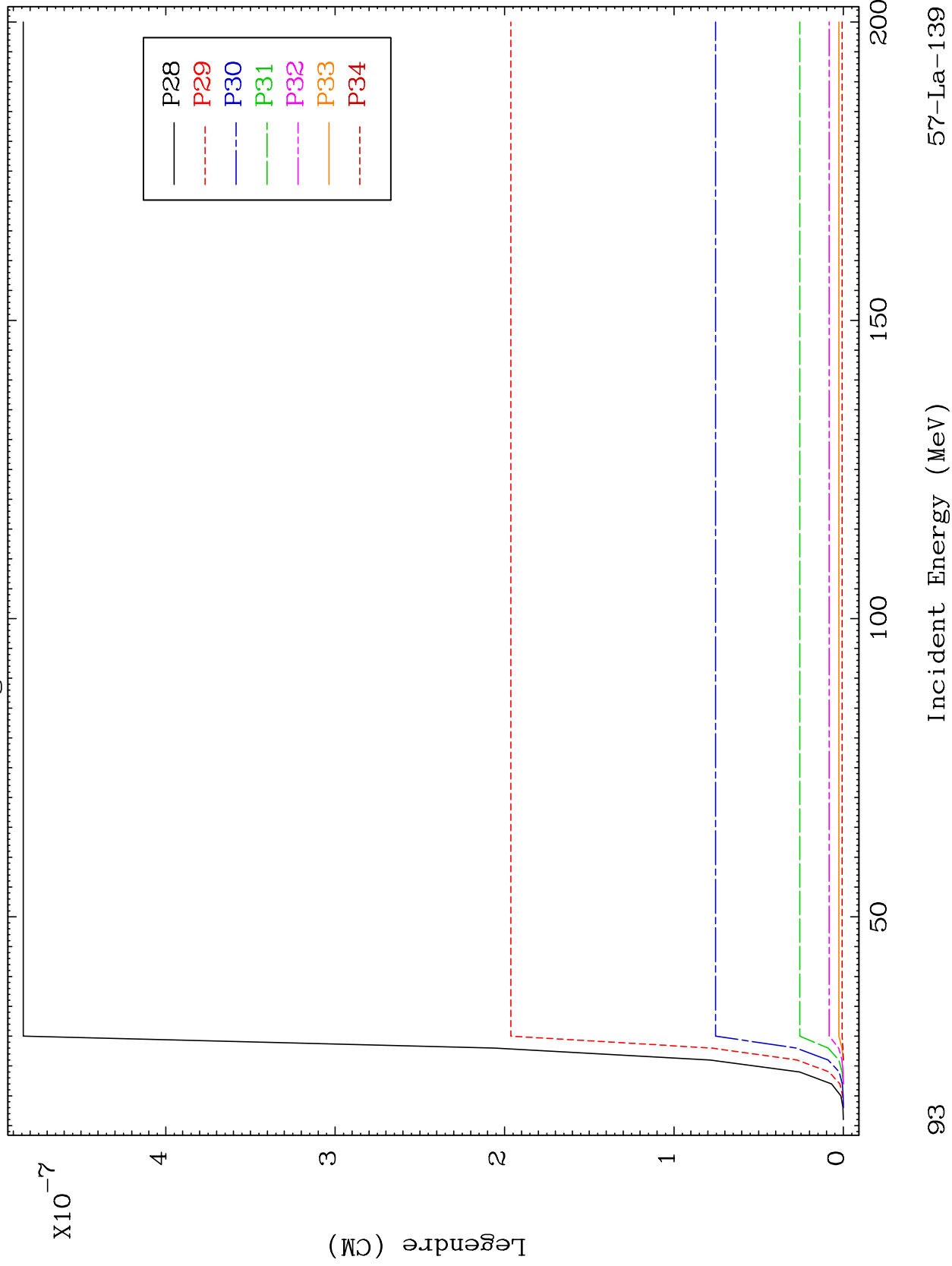
57-La-139



MAT 5728

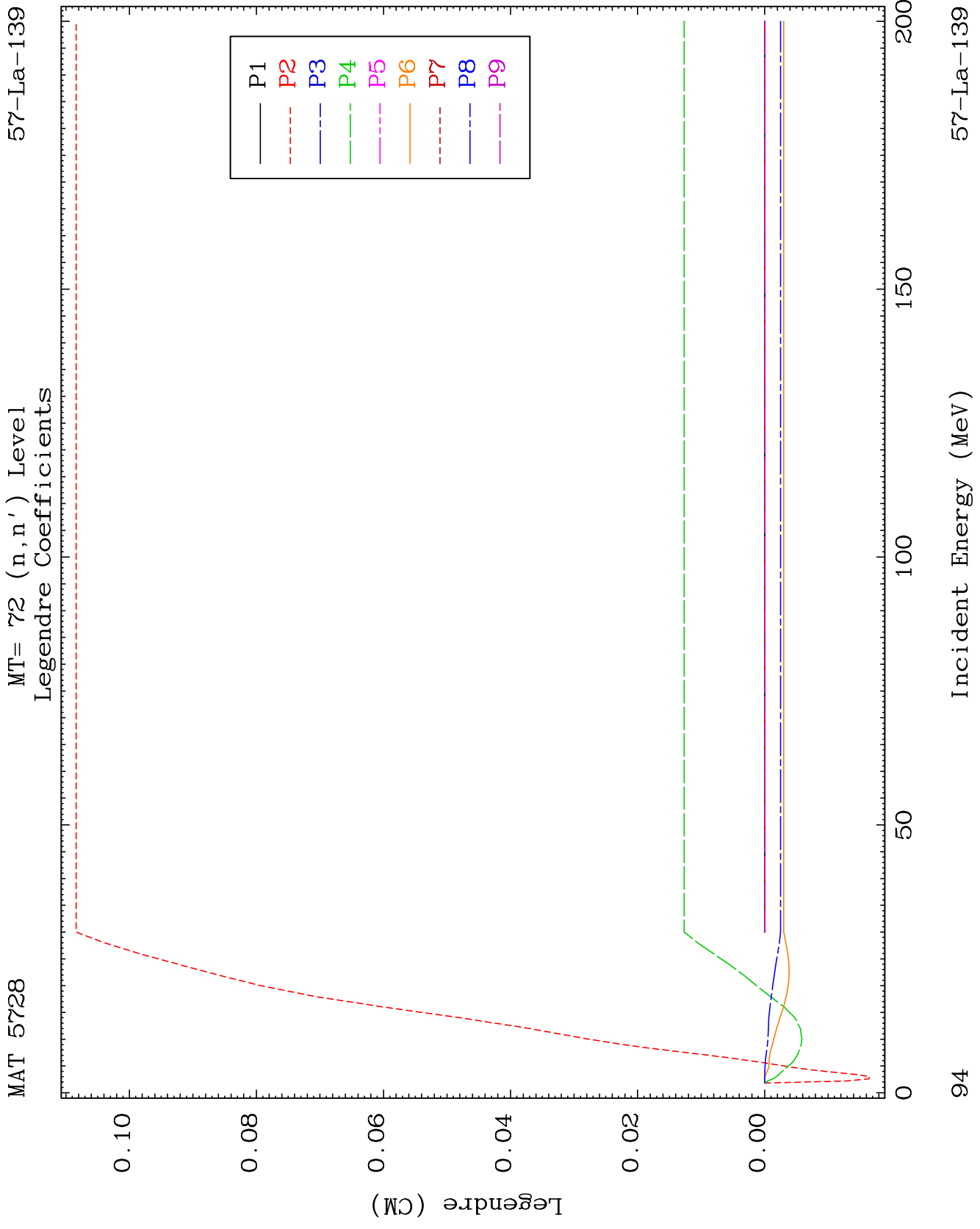
MT= 71 (n,n') Level
Legendre Coefficients

57-La-139



93

57-La-139



57-La-139

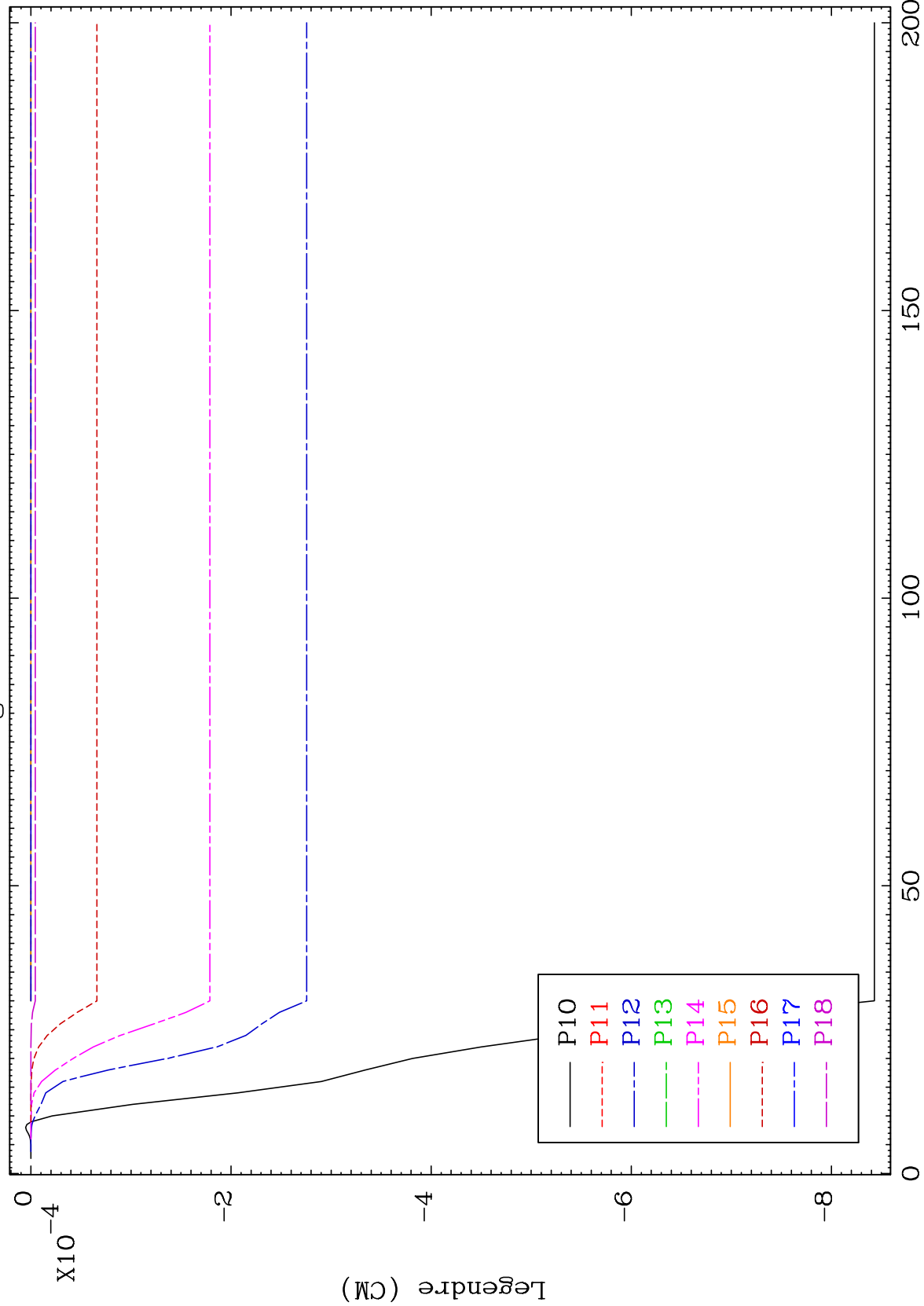
Incident Energy (MeV)

94

MAT 5728

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

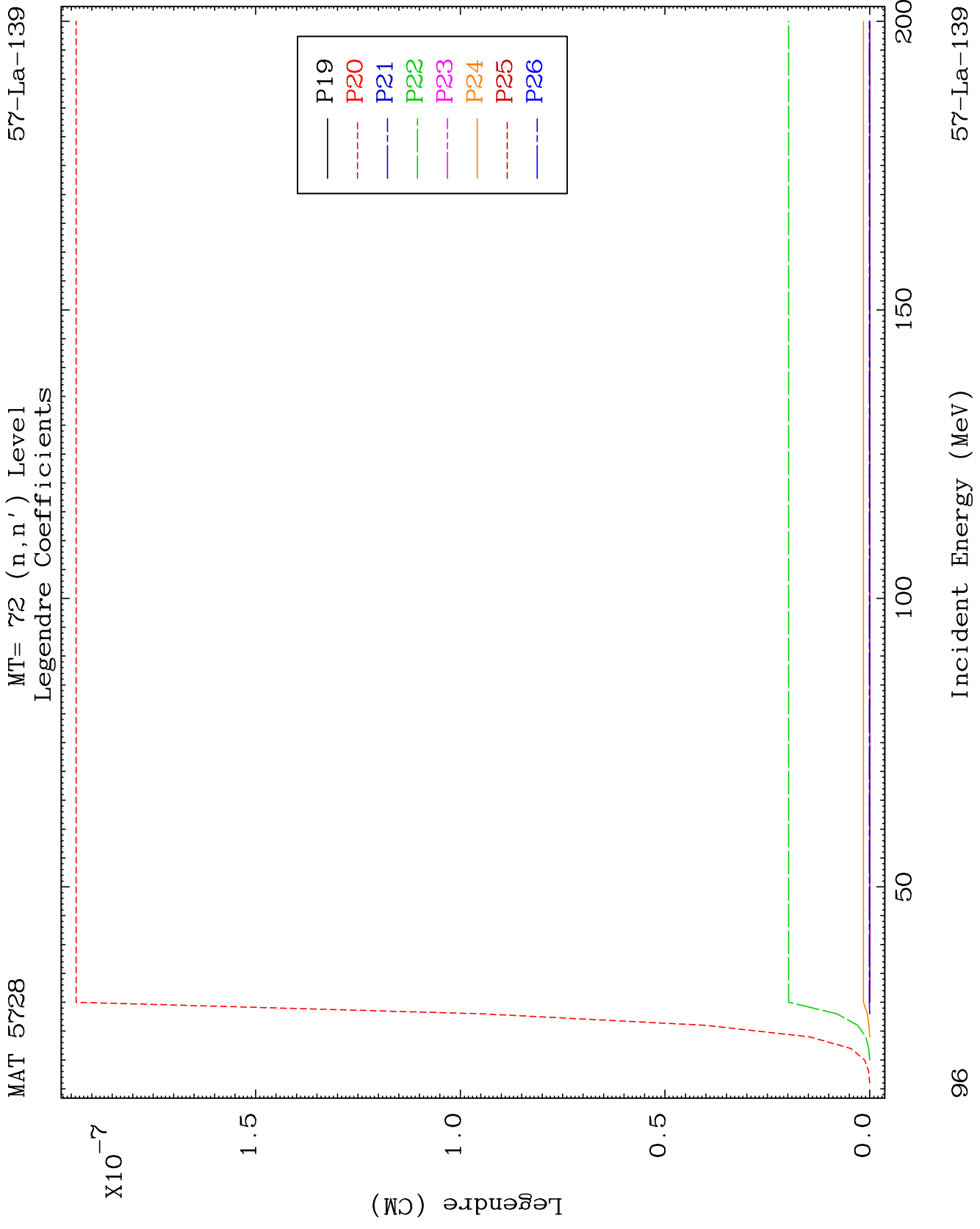
57-La-139

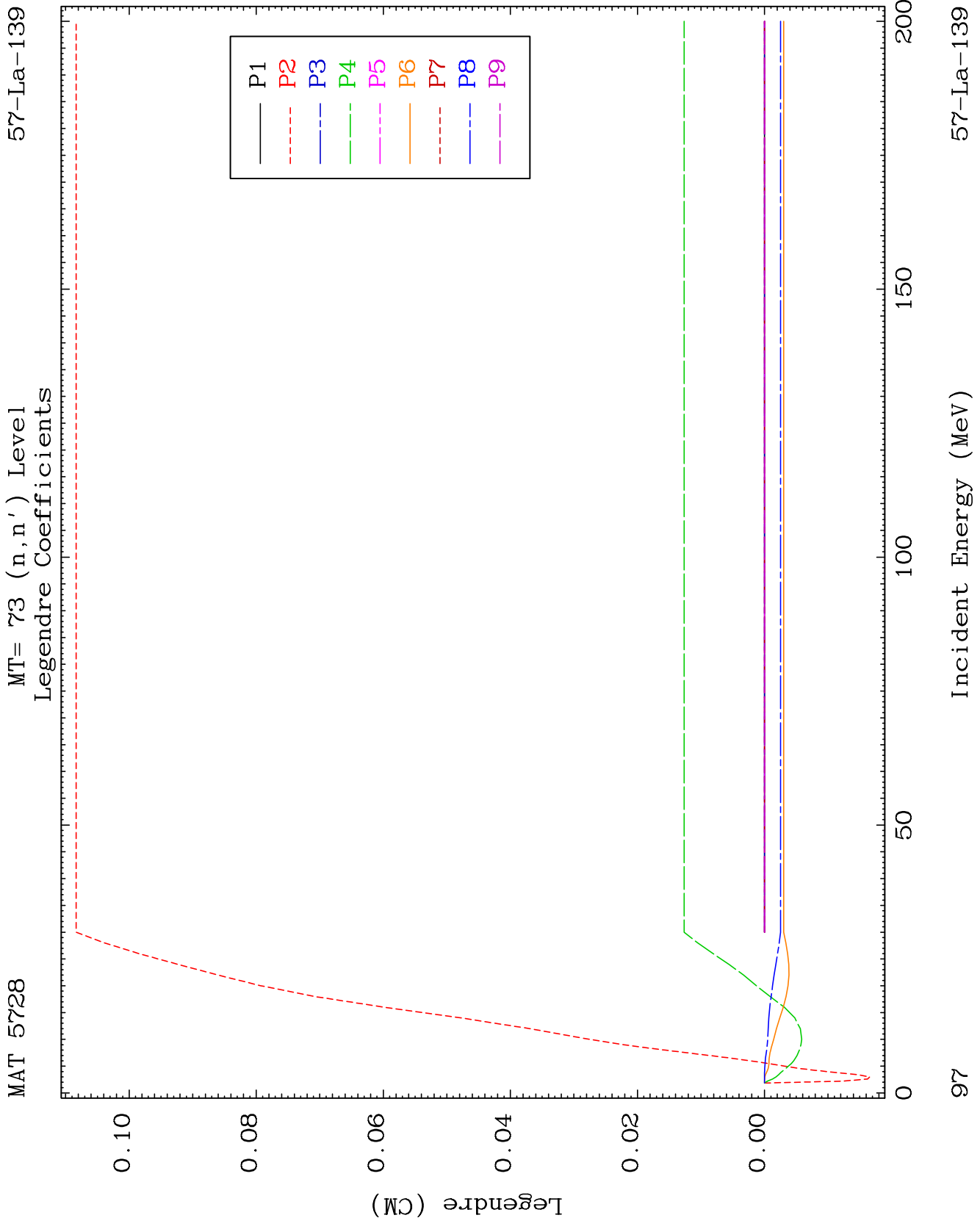


57-La-139

Incident Energy (MeV)

95

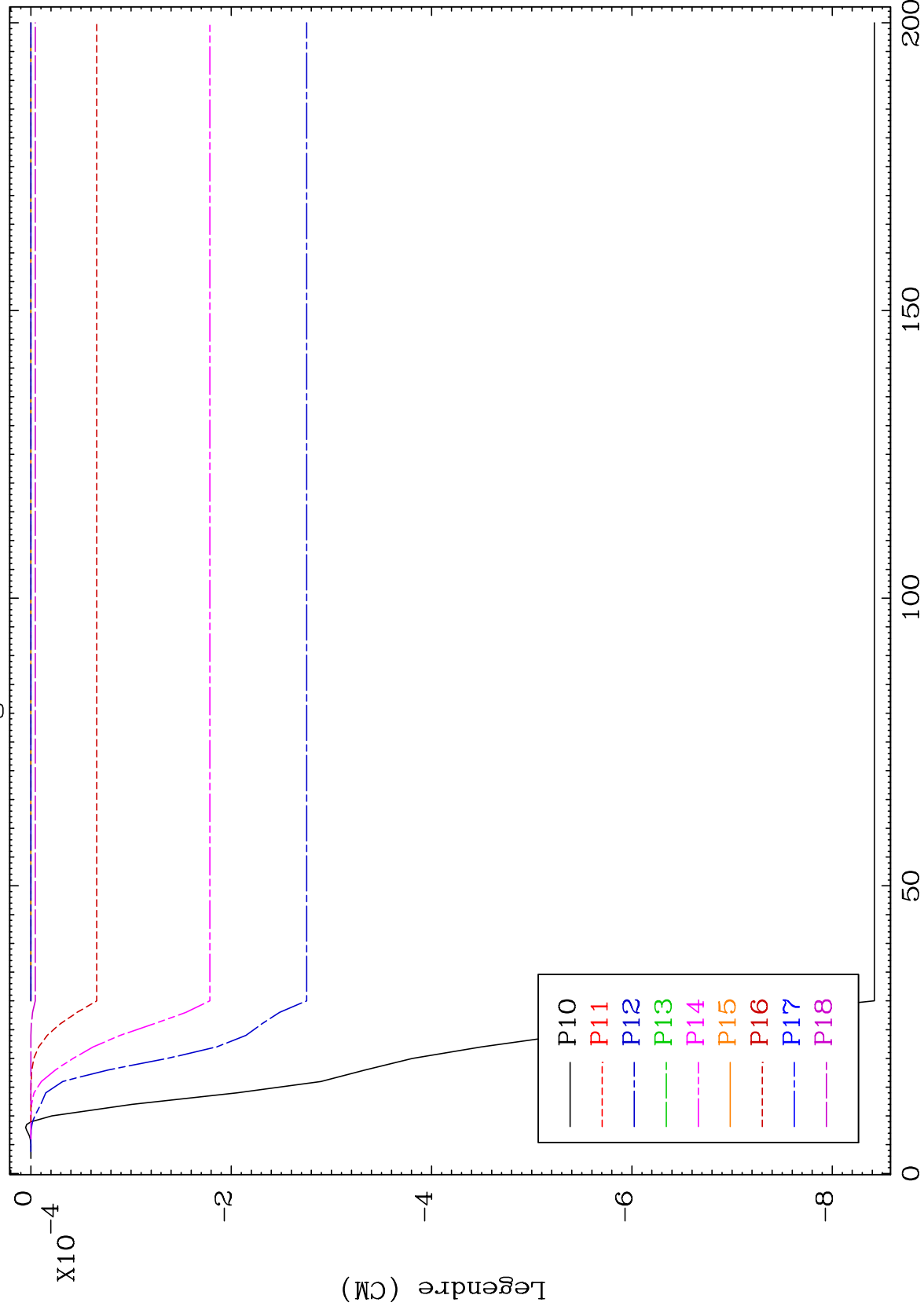




MAT 5728

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

57-La-139



57-La-139

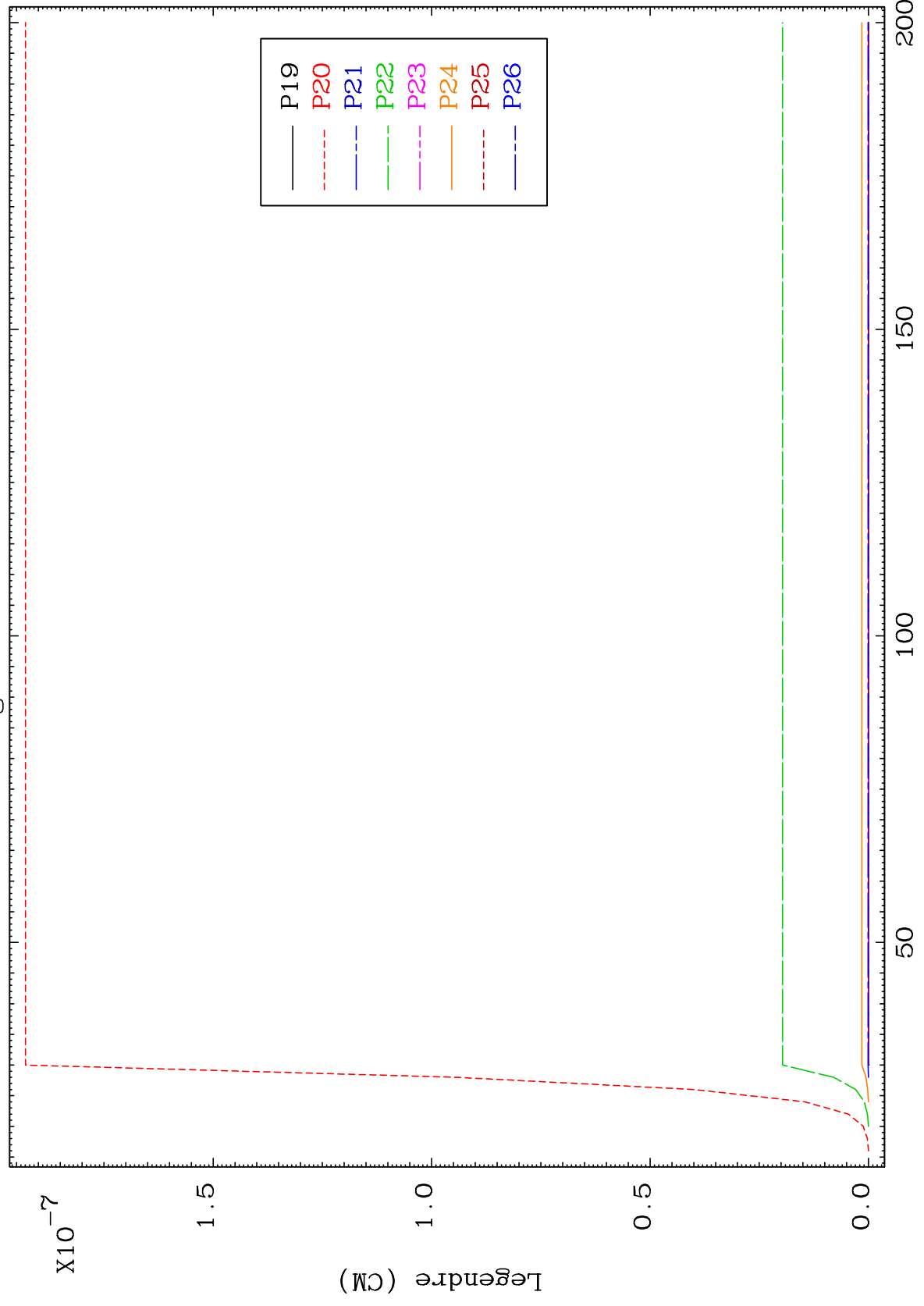
Incident Energy (MeV)

98

MAT 5728

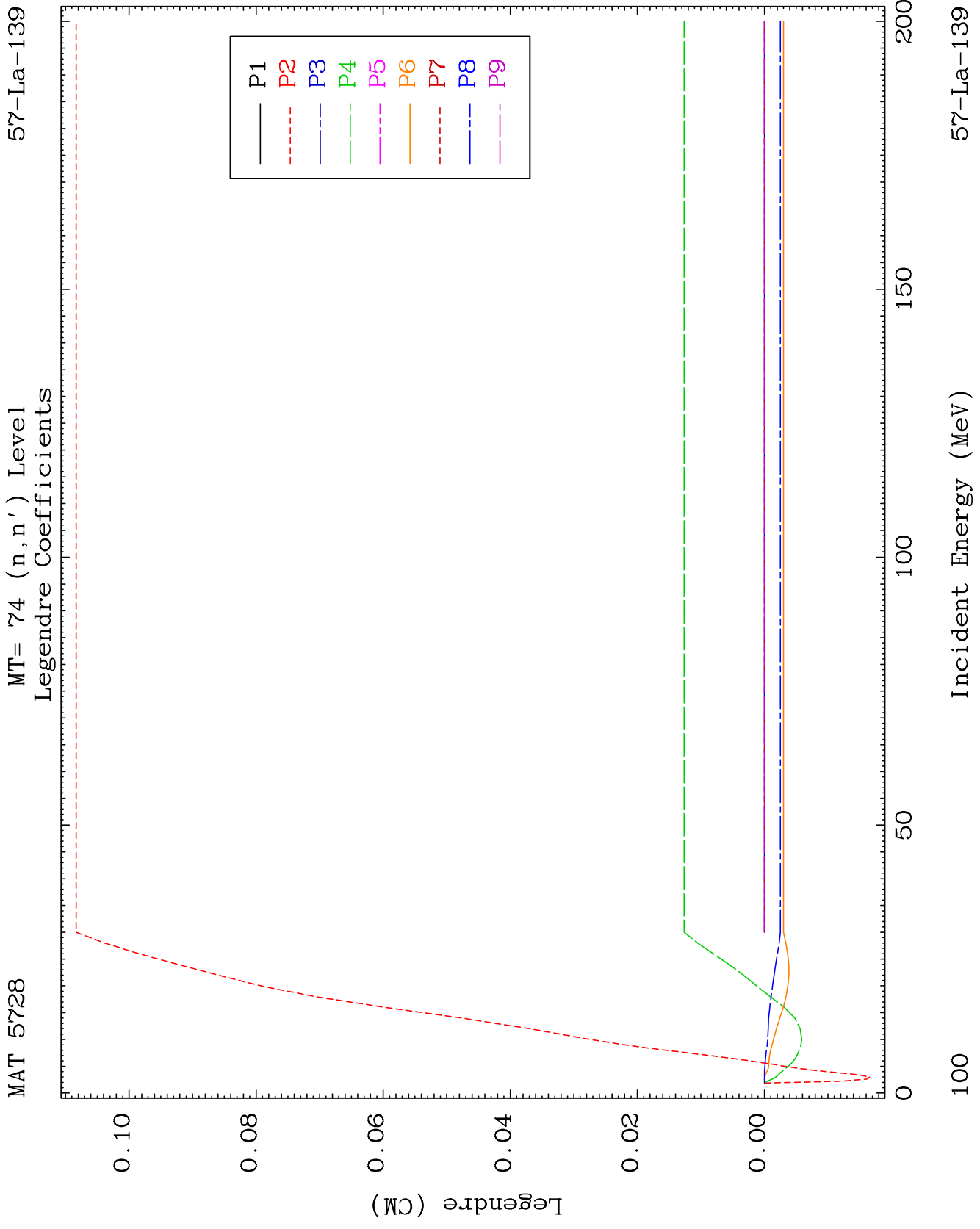
MT= 73 (n,n') Level
Legendre Coefficients

57-La-139



99

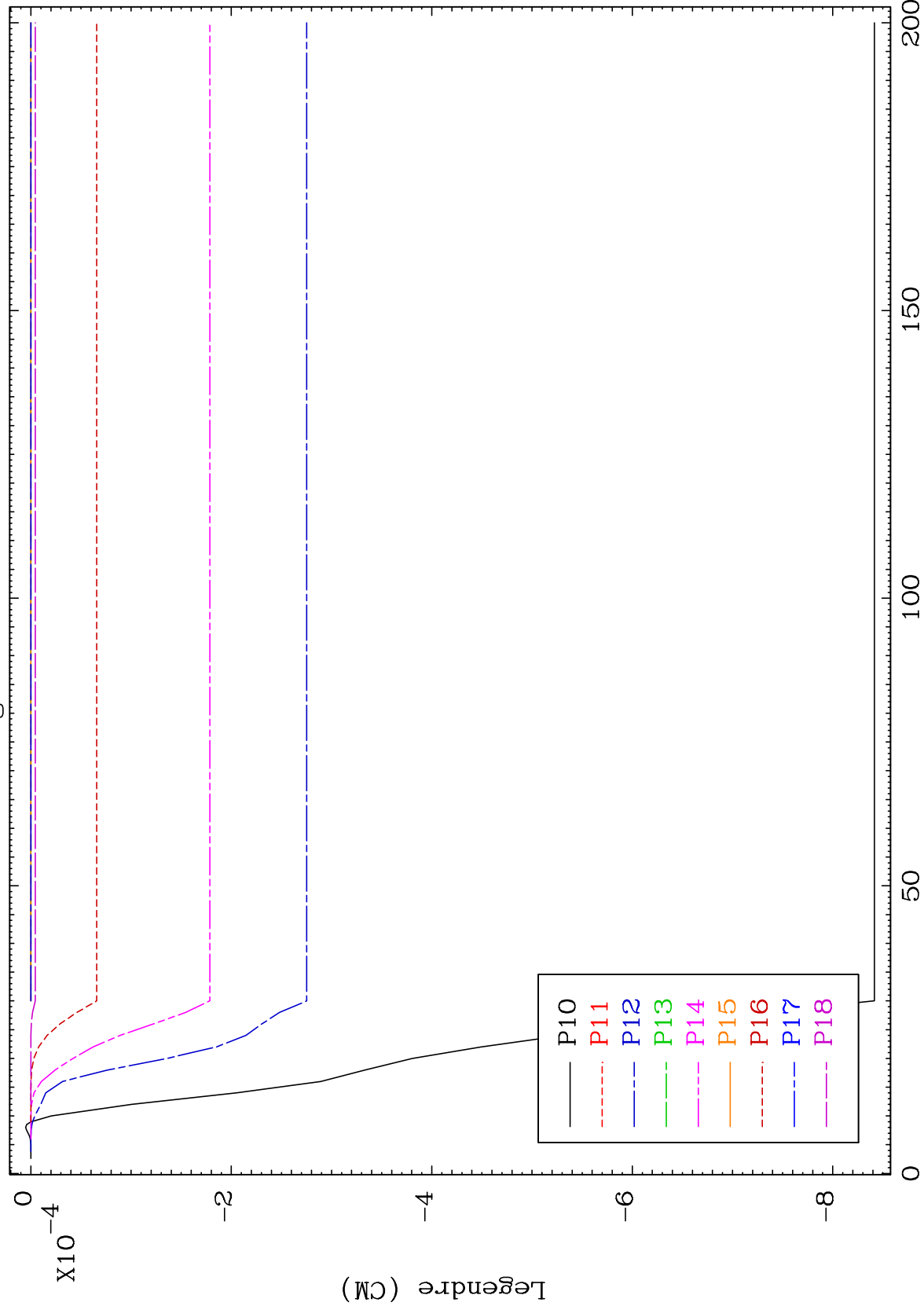
57-La-139



MAT 5728

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

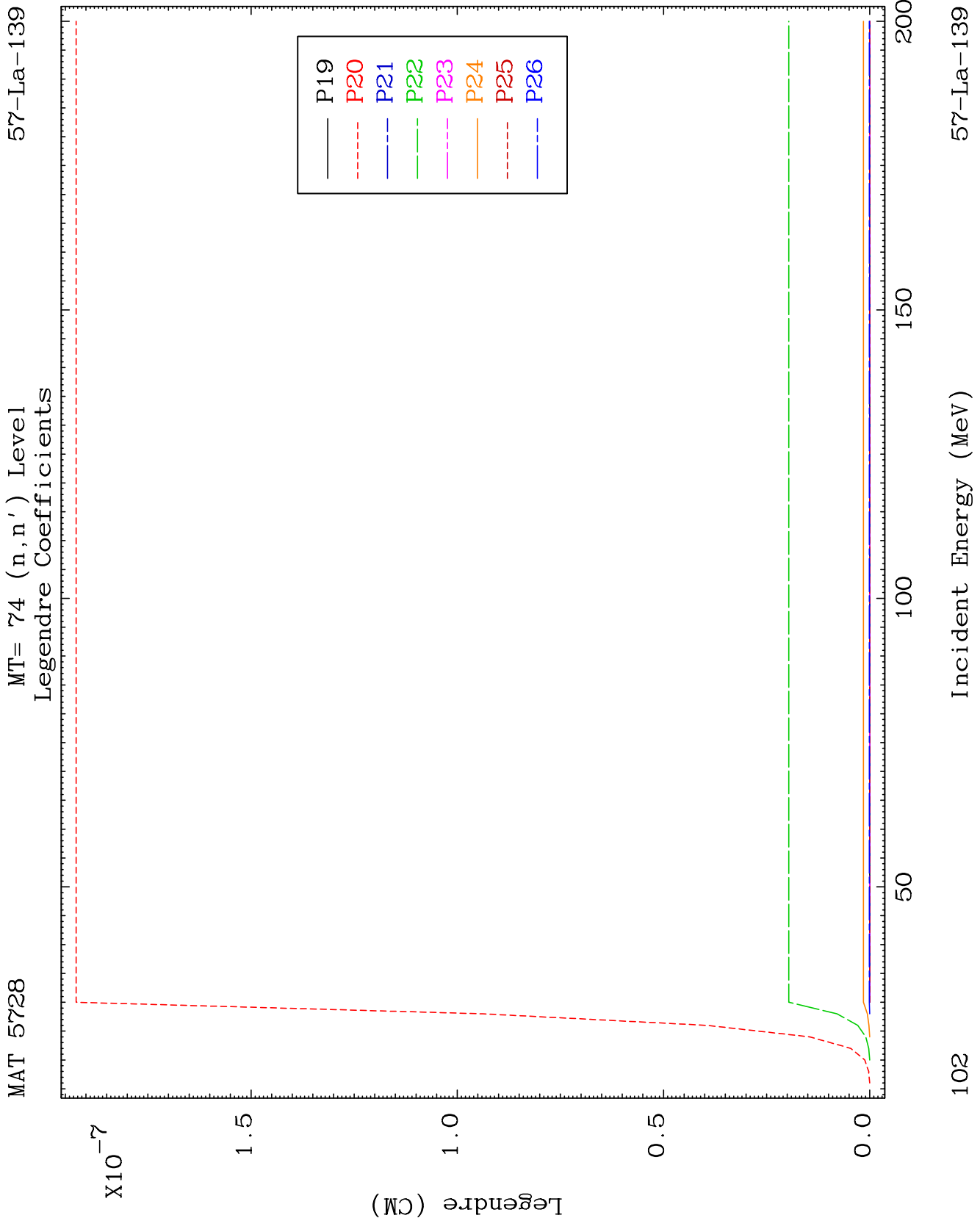
57-La-139

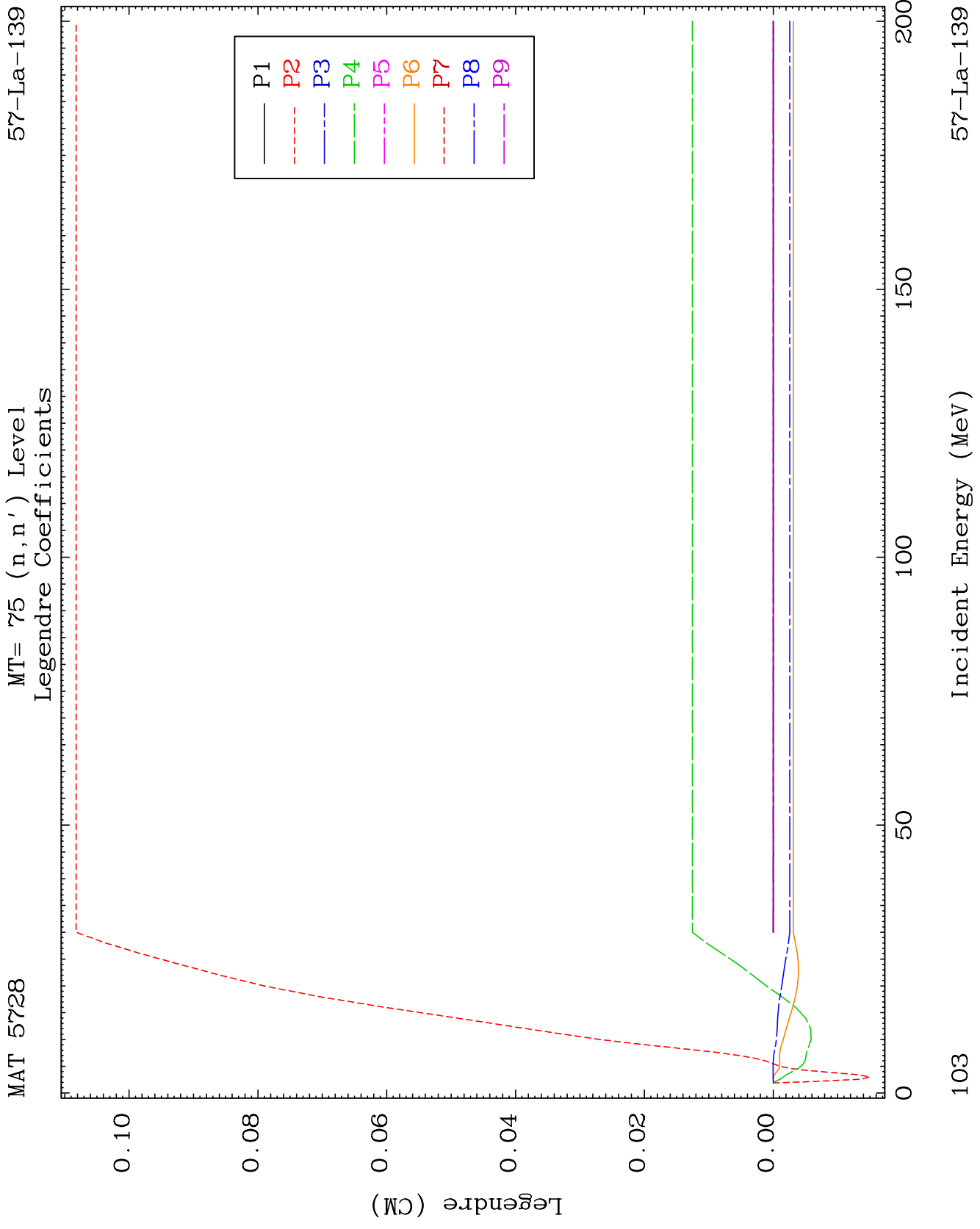


57-La-139

Incident Energy (MeV)

101





57-La-139

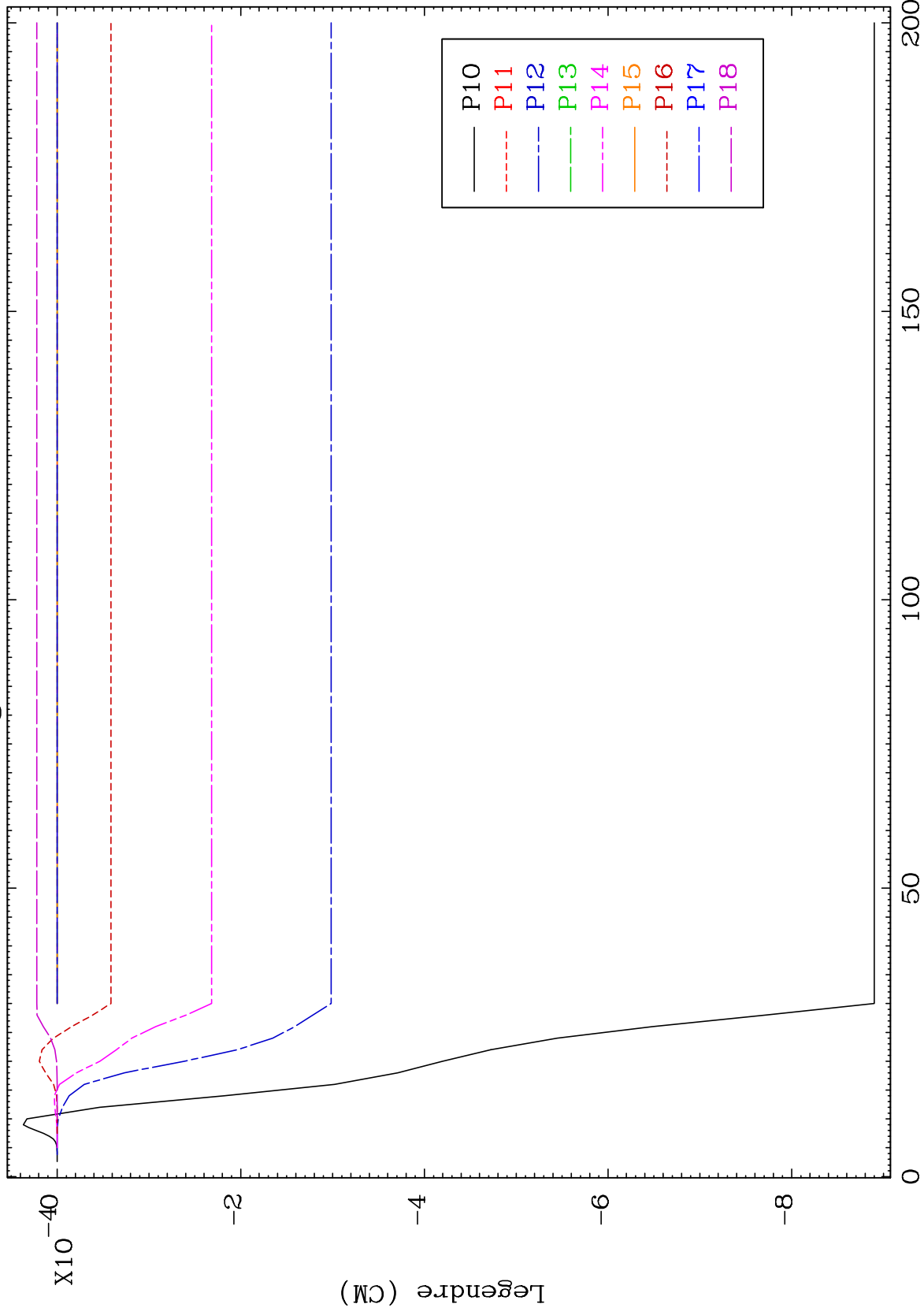
Incident Energy (MeV)

103

MAT 5728

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

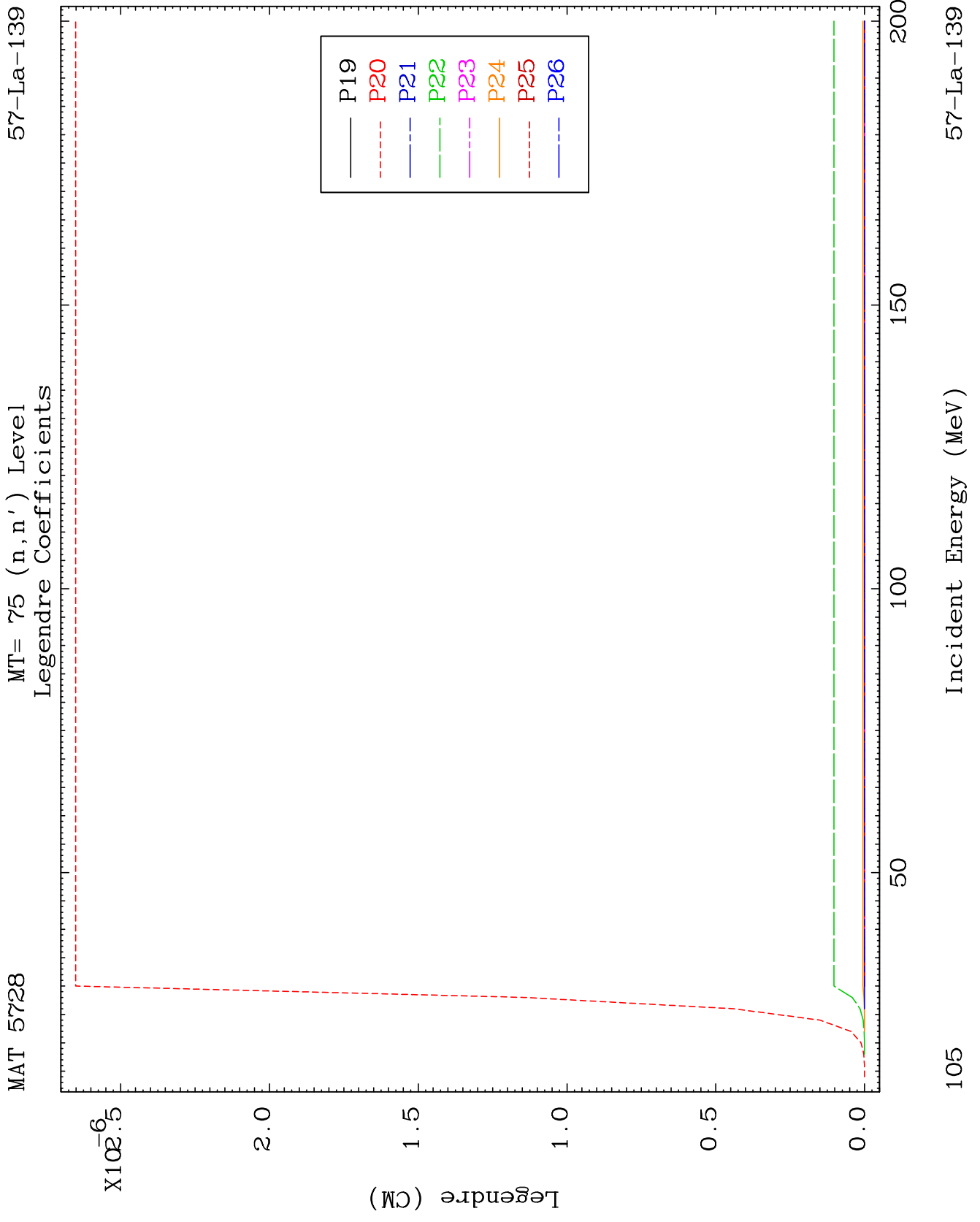
57-La-139

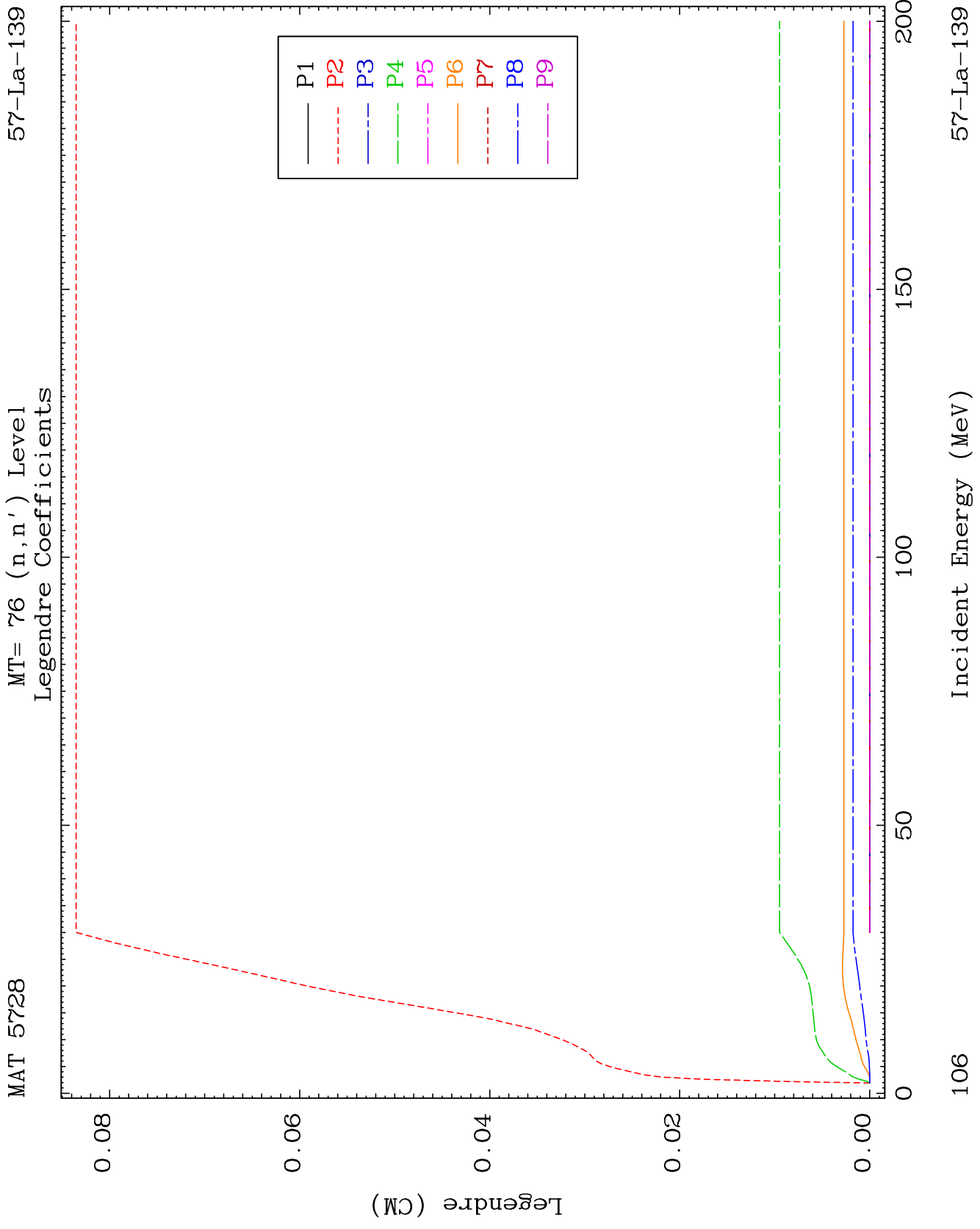


104

Incident Energy (MeV)

57-La-139

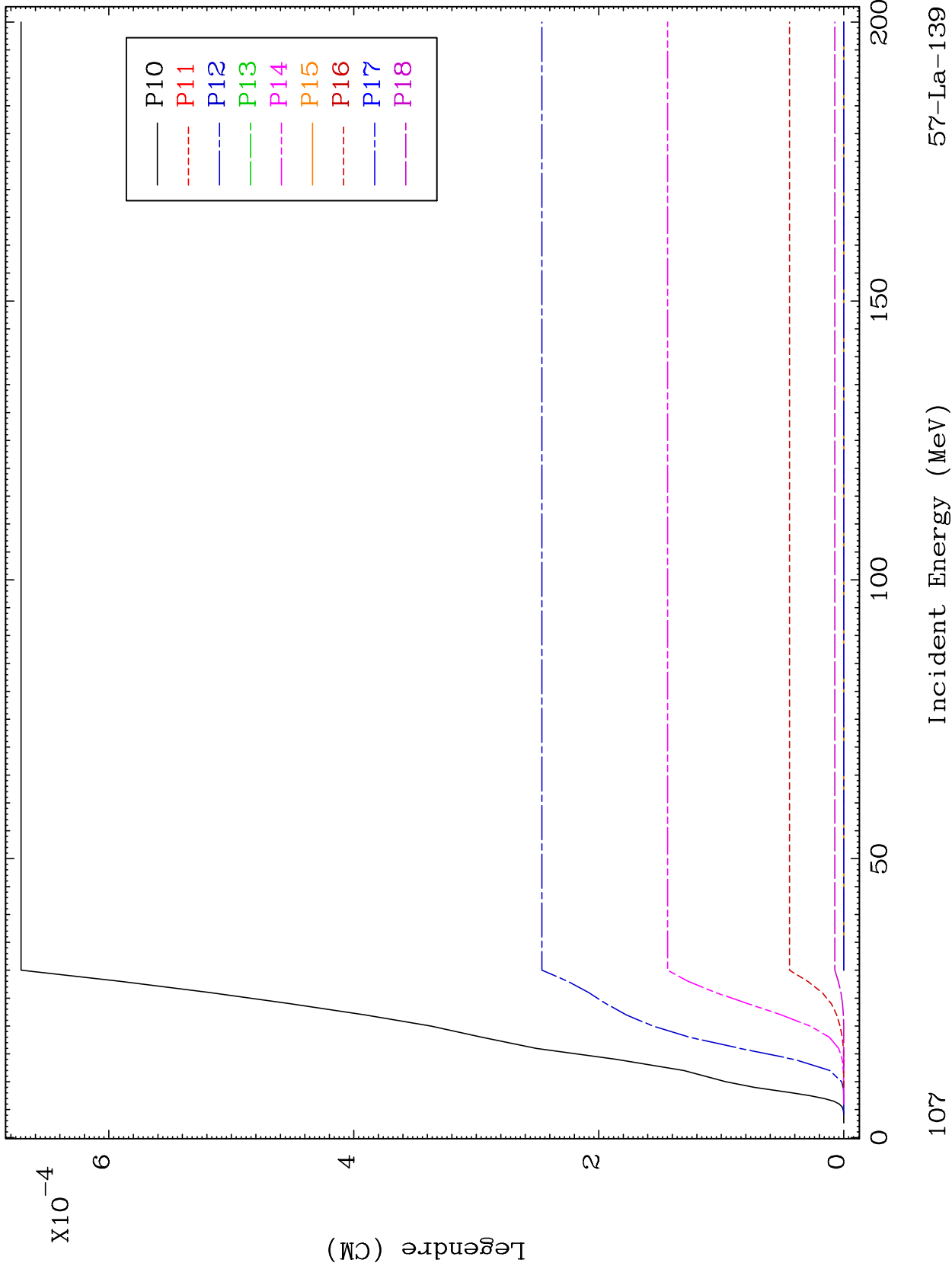




MAT 5728

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

57-La-139



57-La-139

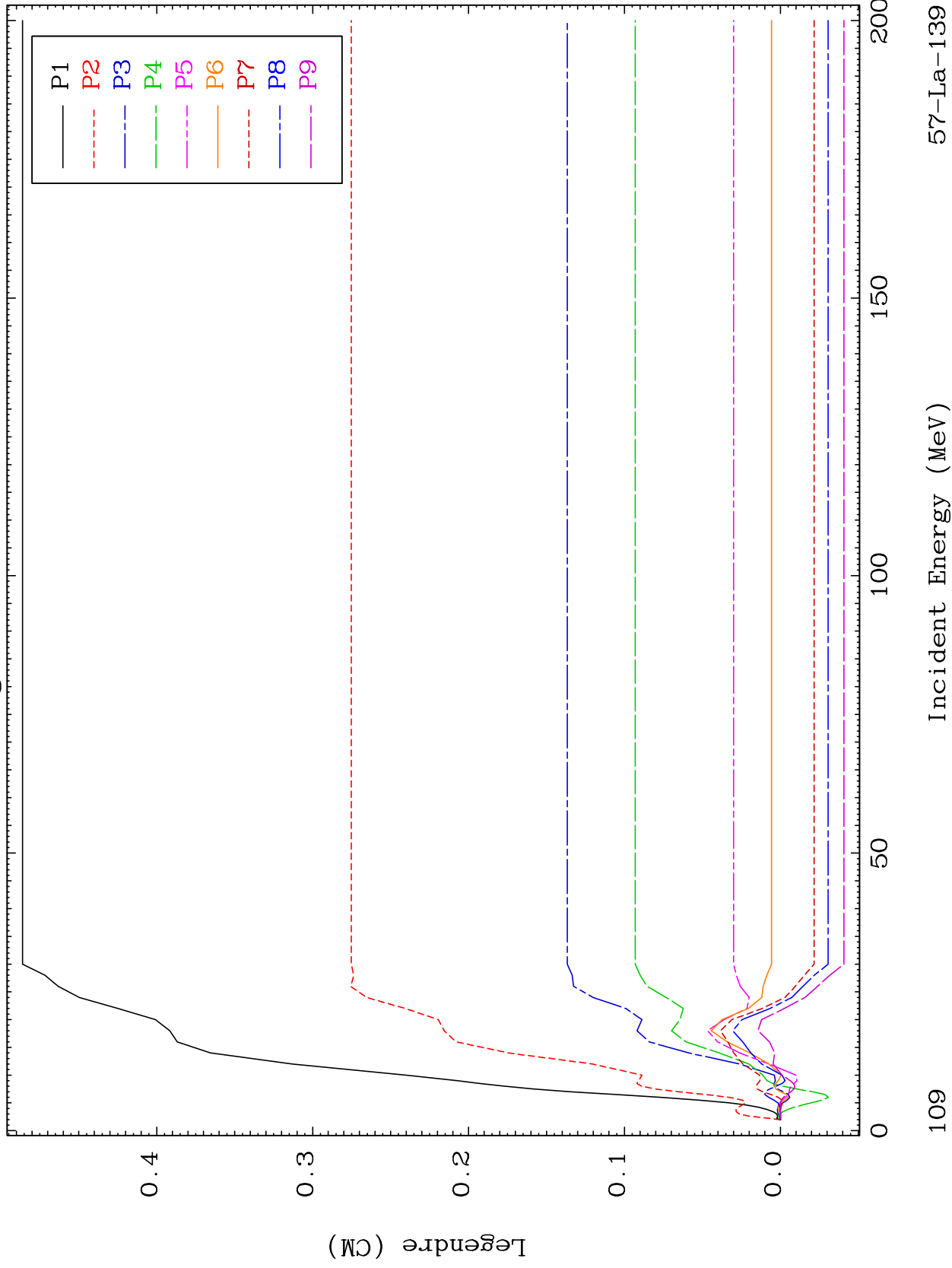
Incident Energy (MeV)

107

MAT 5728

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

57-La-139



57-La-139

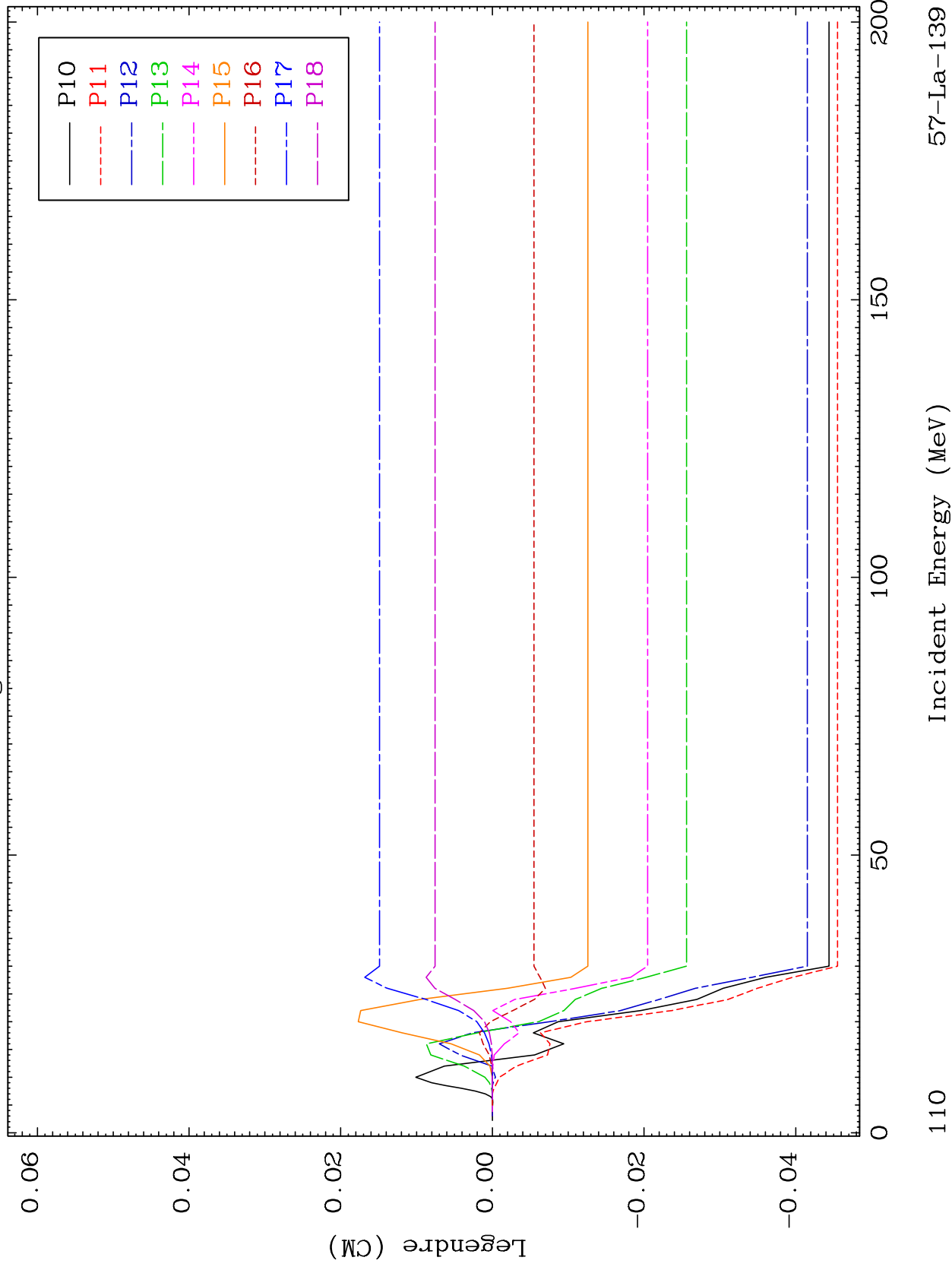
Incident Energy (MeV)

109

MAT 5728

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

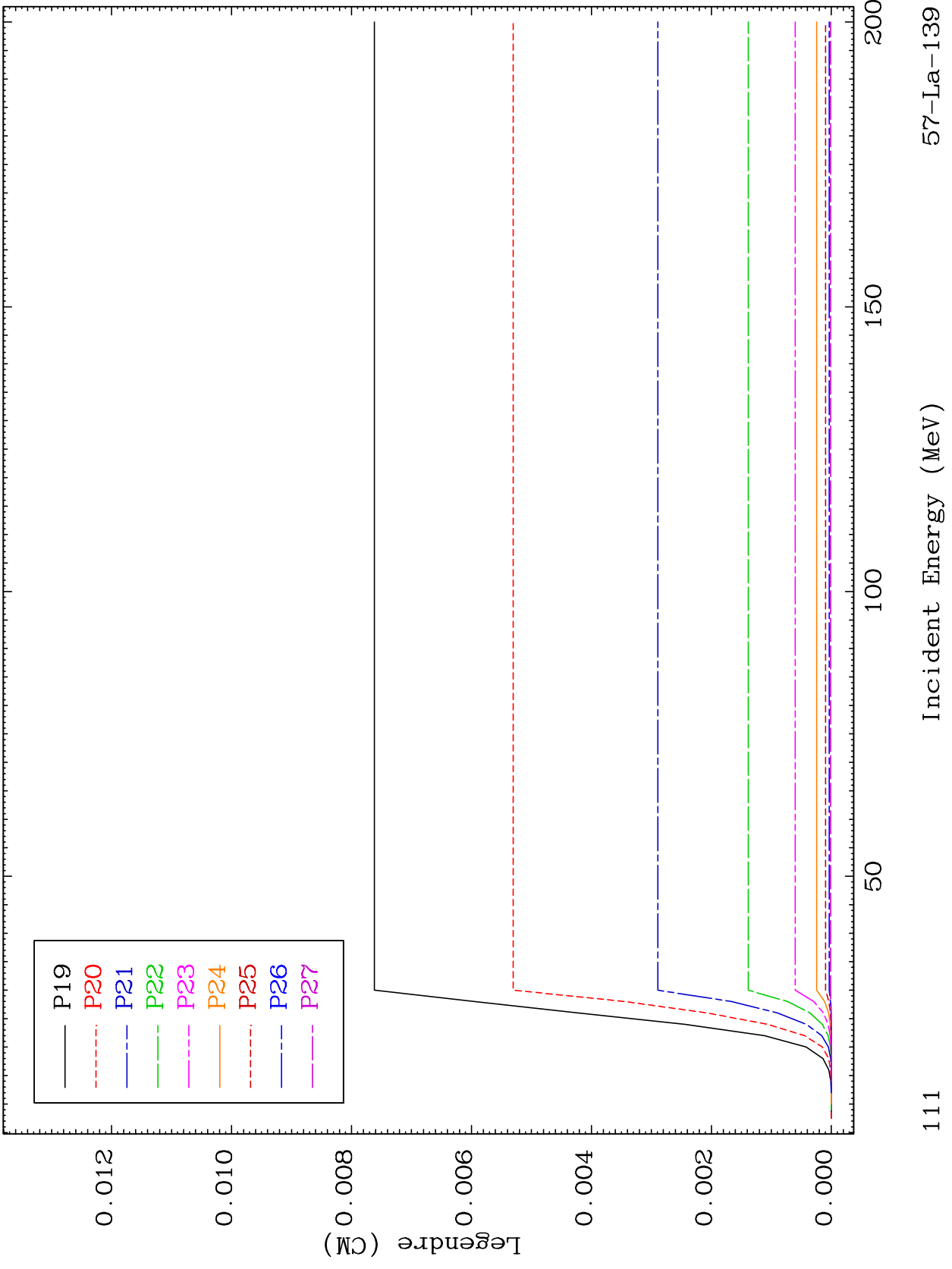
57-La-139



57-La-139

Incident Energy (MeV)

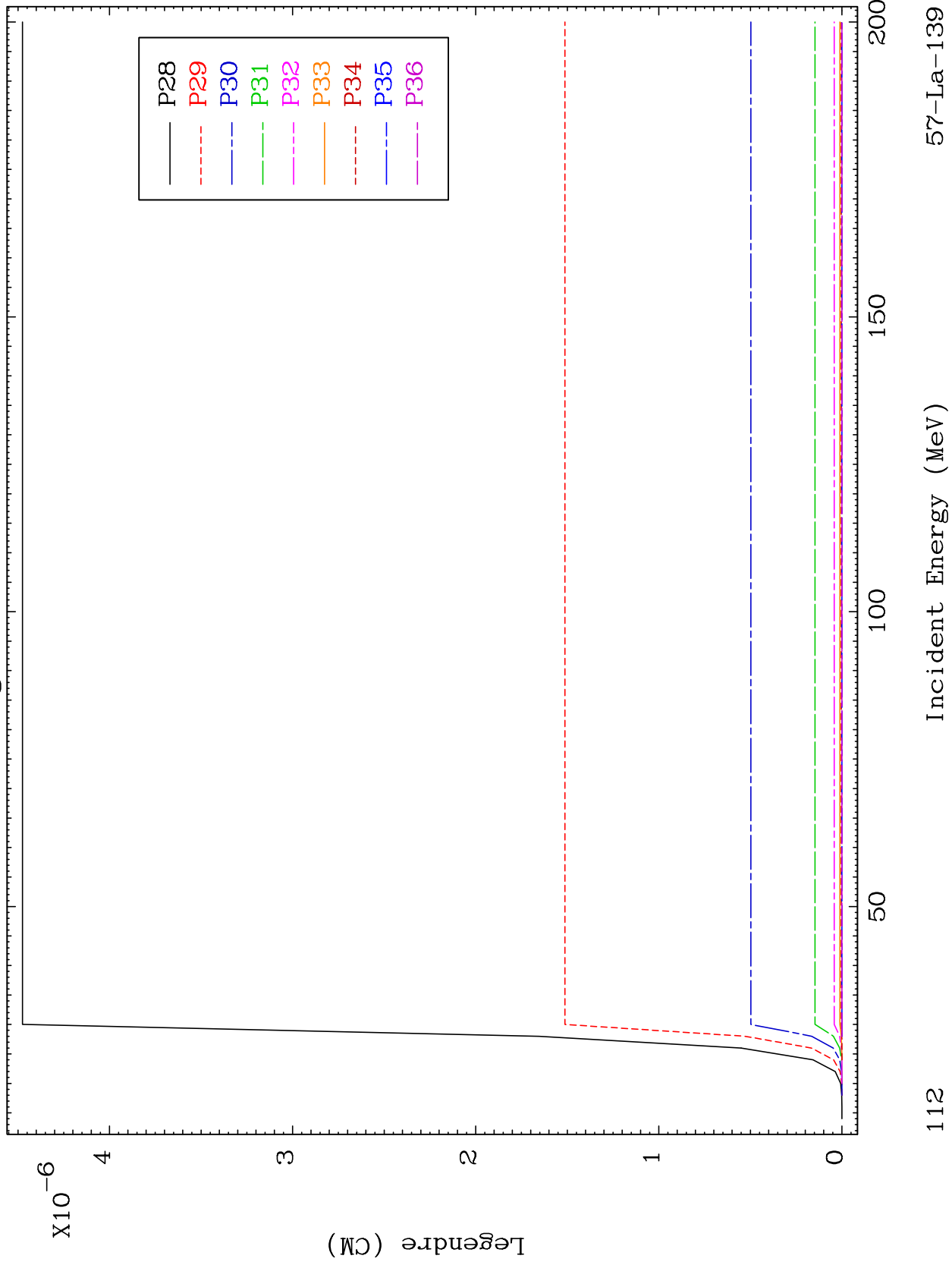
110



MAT 5728

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

57-La-139



112

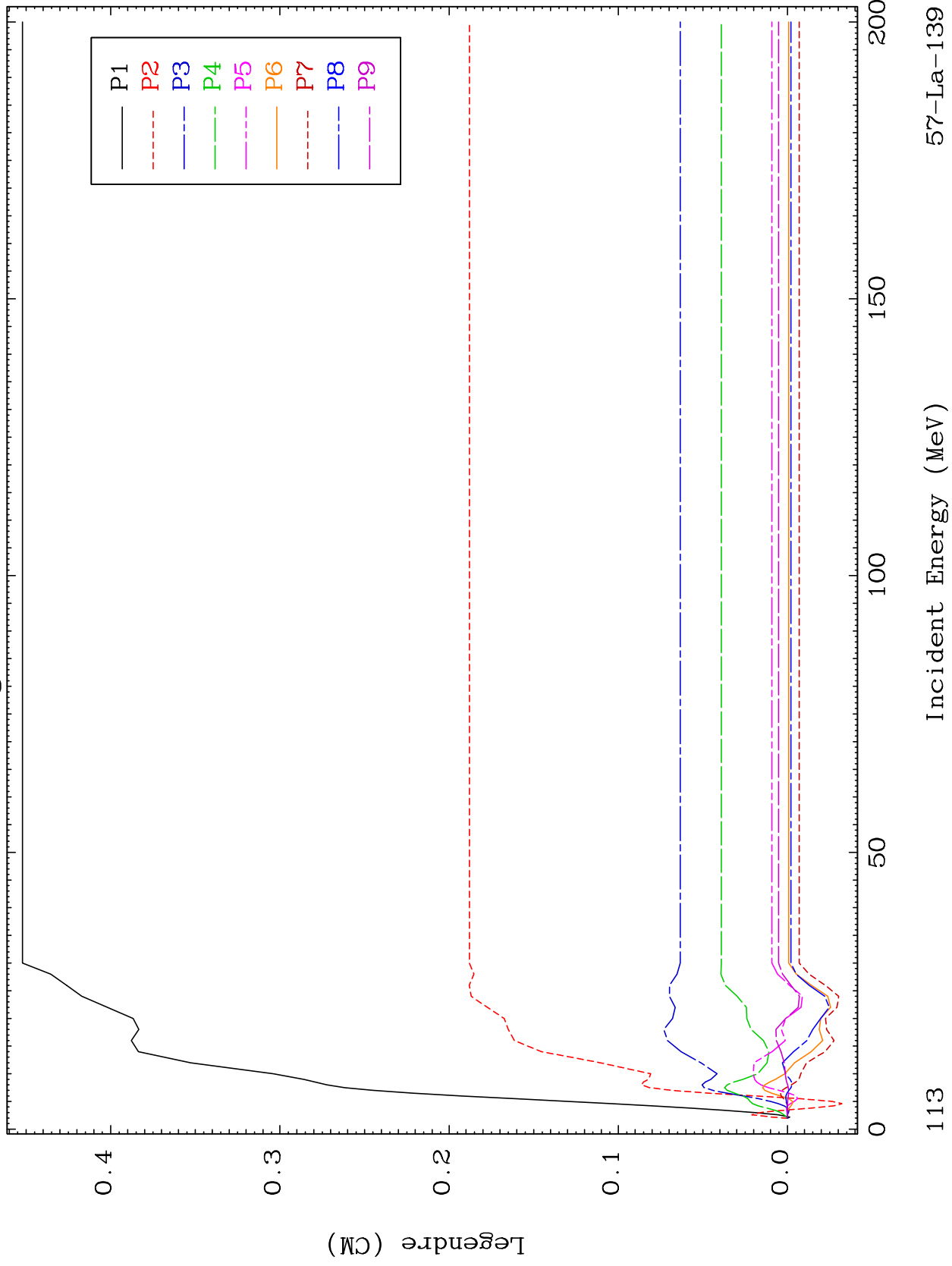
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



57-La-139

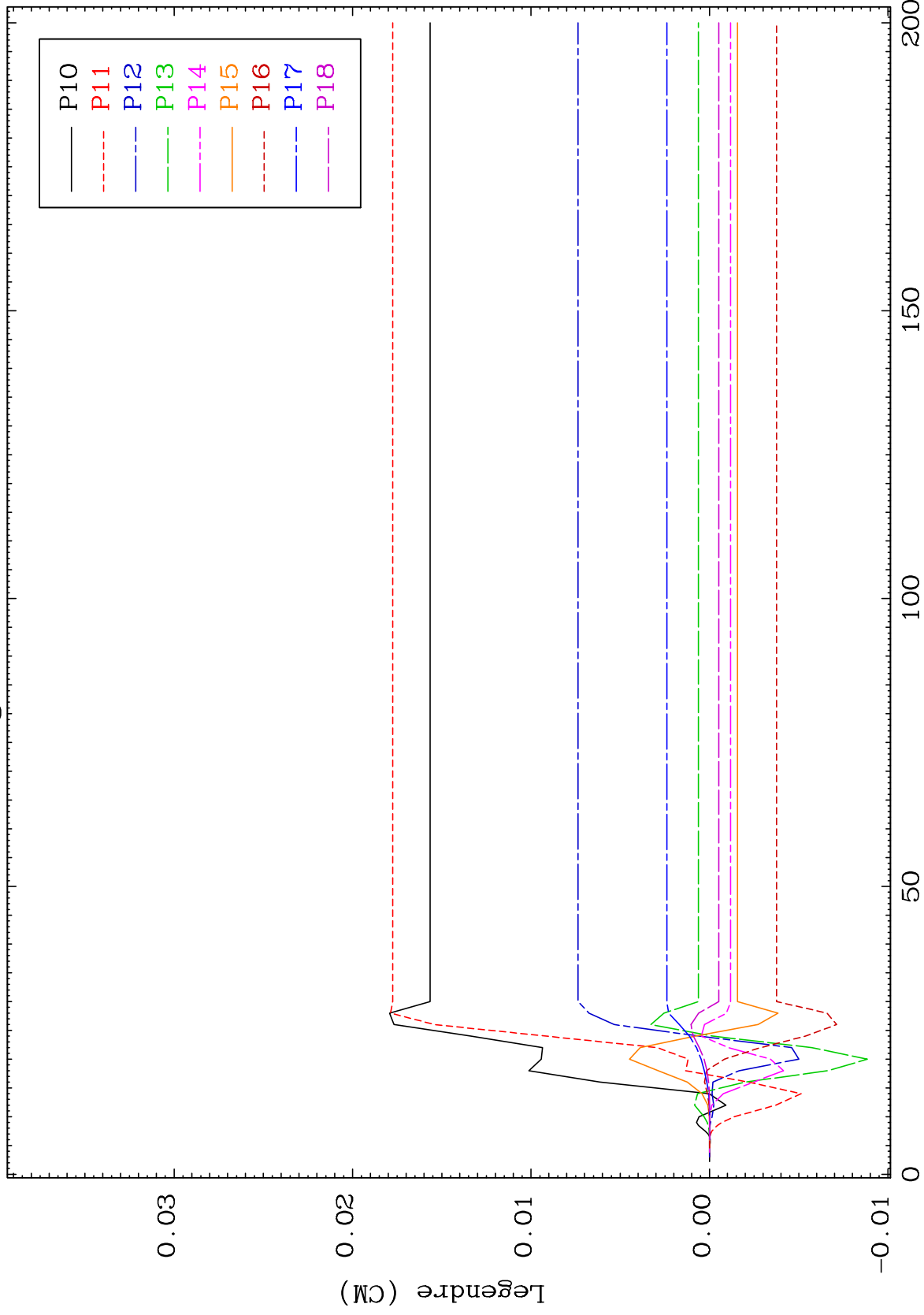
Incident Energy (MeV)

113

MAT 5728

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

57-La-139



114

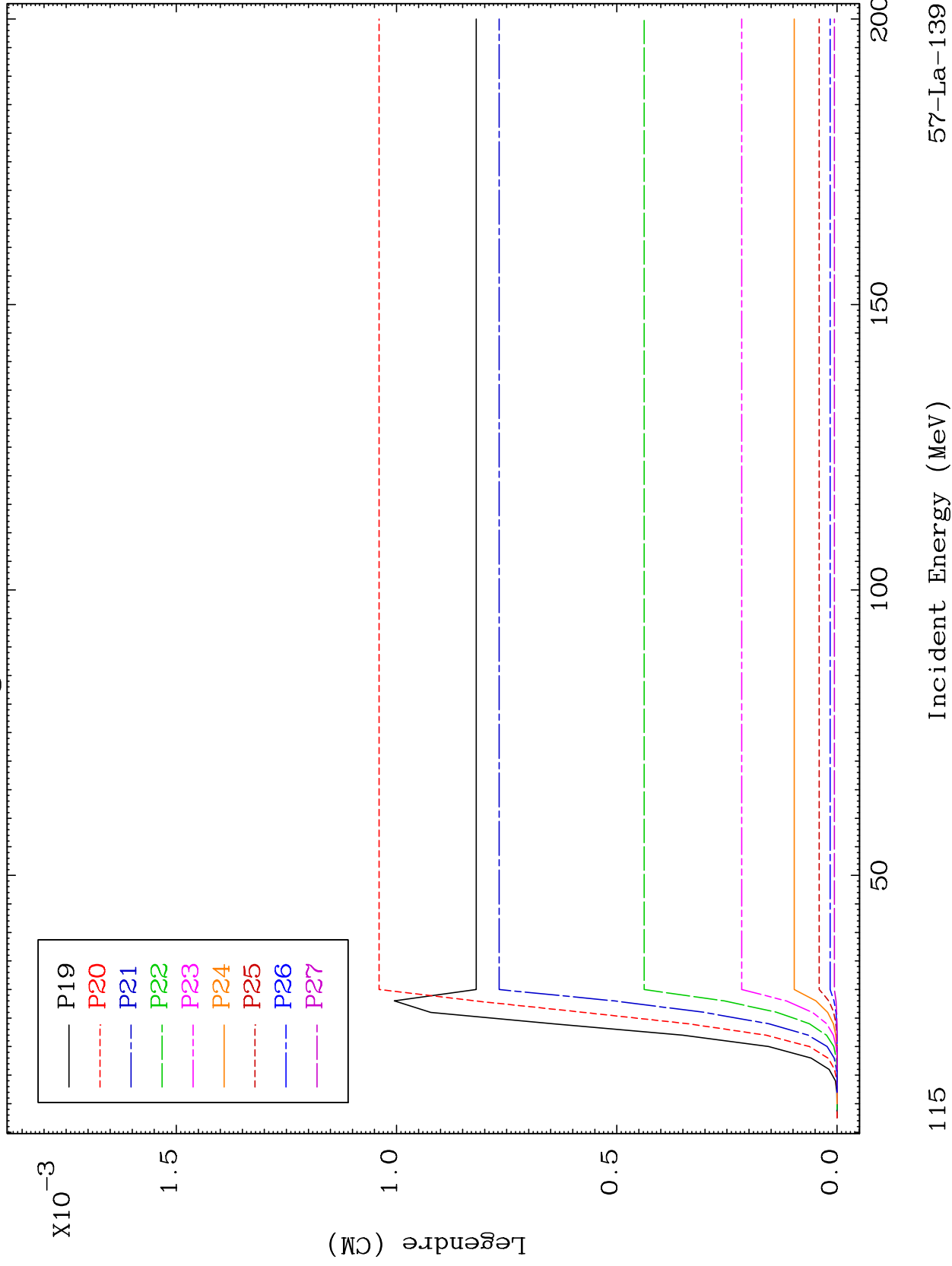
Incident Energy (MeV)

57-La-139

MAT 5728

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

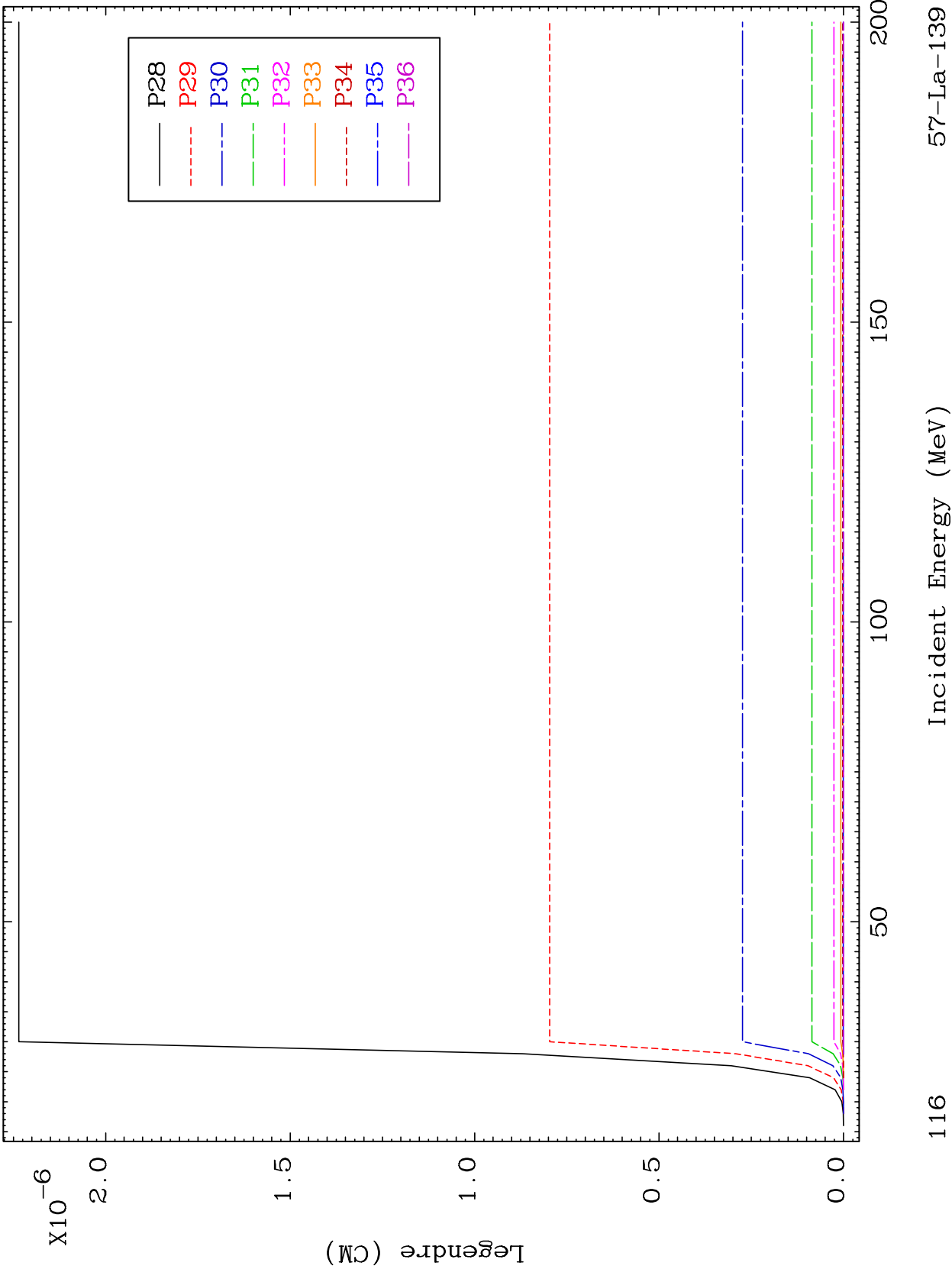
57-La-139



MAT 5728

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

57-La-139



116

Incident Energy (MeV)

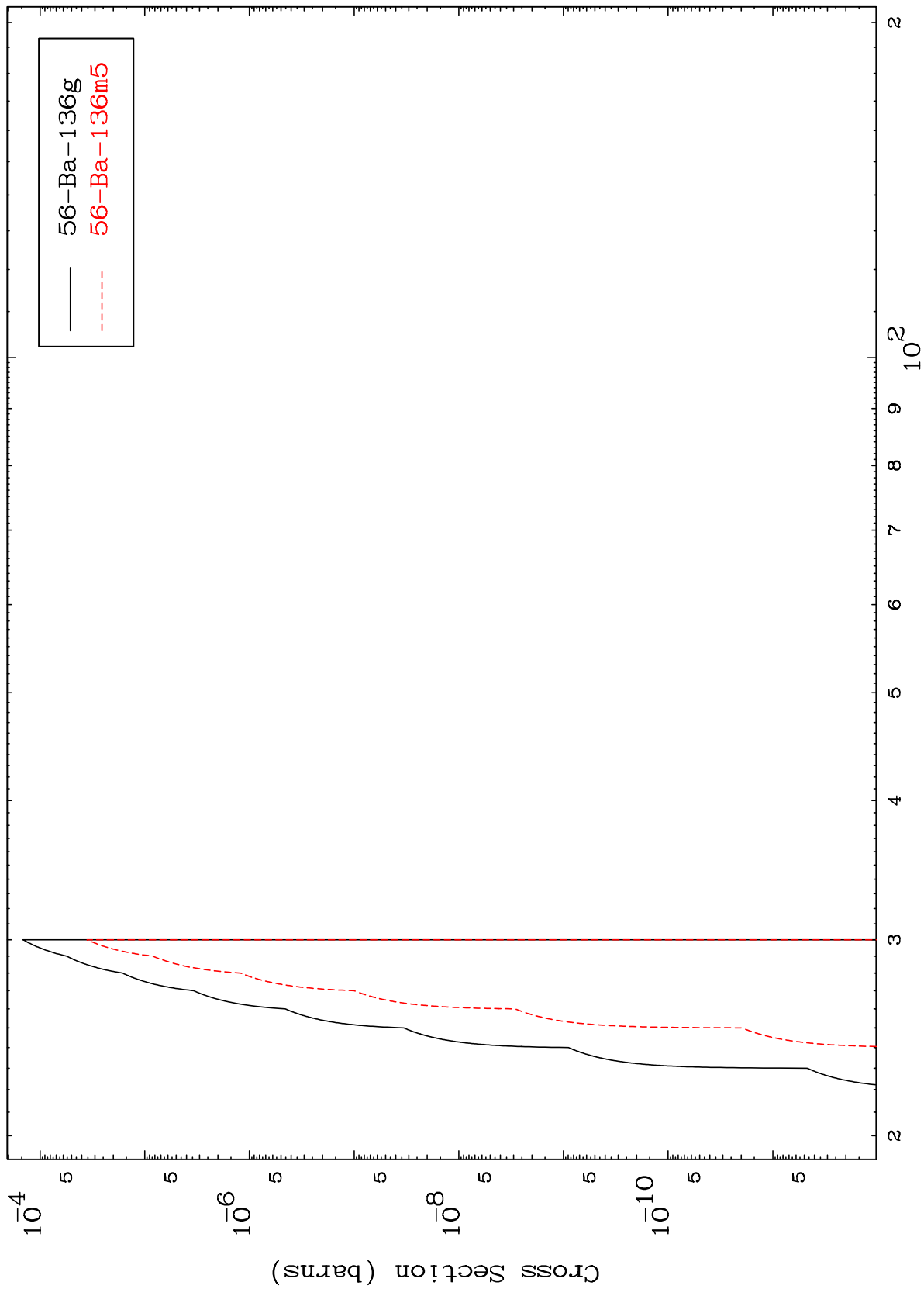
57-La-139

MAT 5728

(n,2n) d

57-La-139

Radionuclide Production Cross Section



117

Incident Energy (MeV)

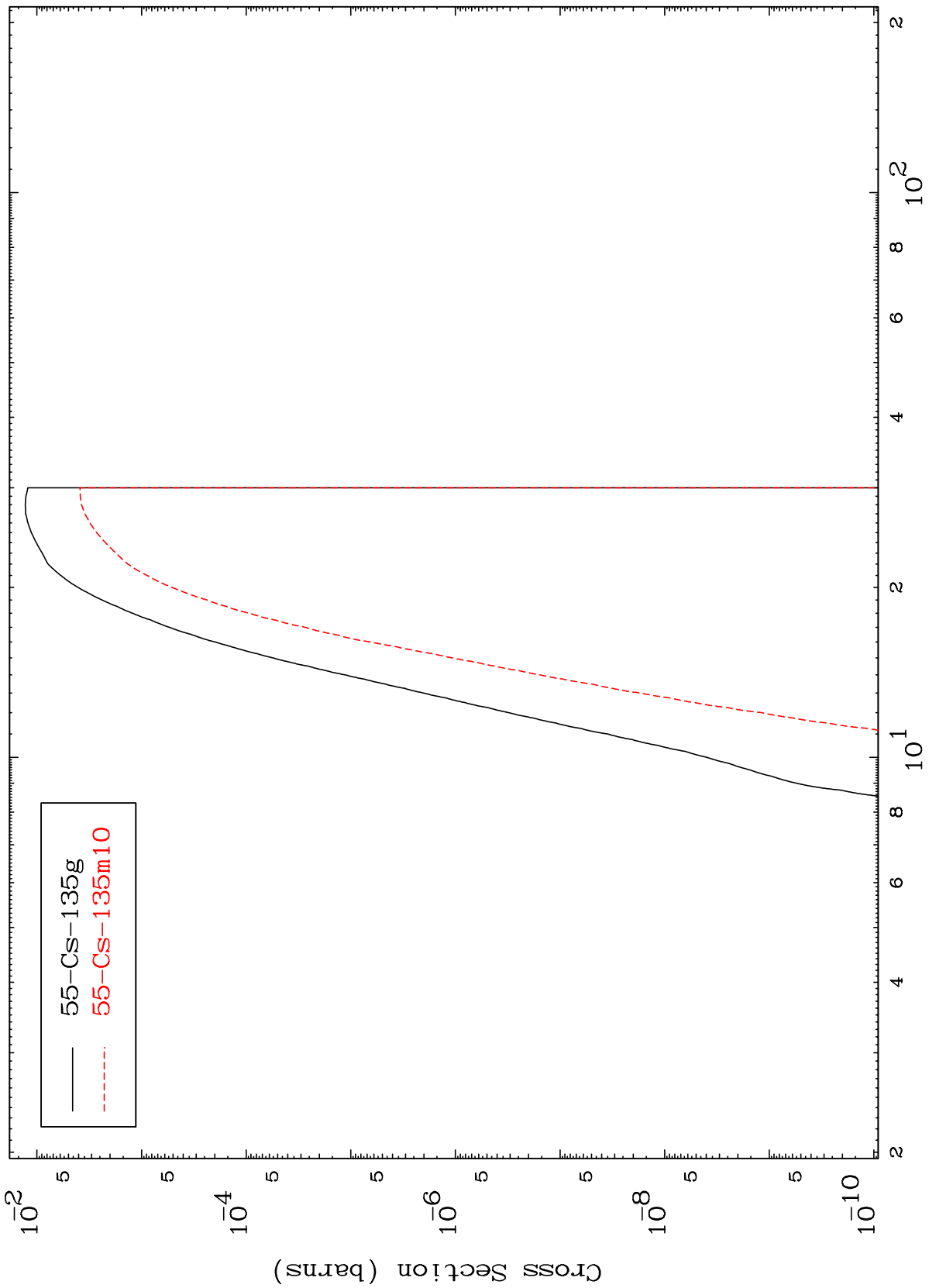
57-La-139

MAT 5728

57-La-139

(n,n') α

Radionuclide Production Cross Section



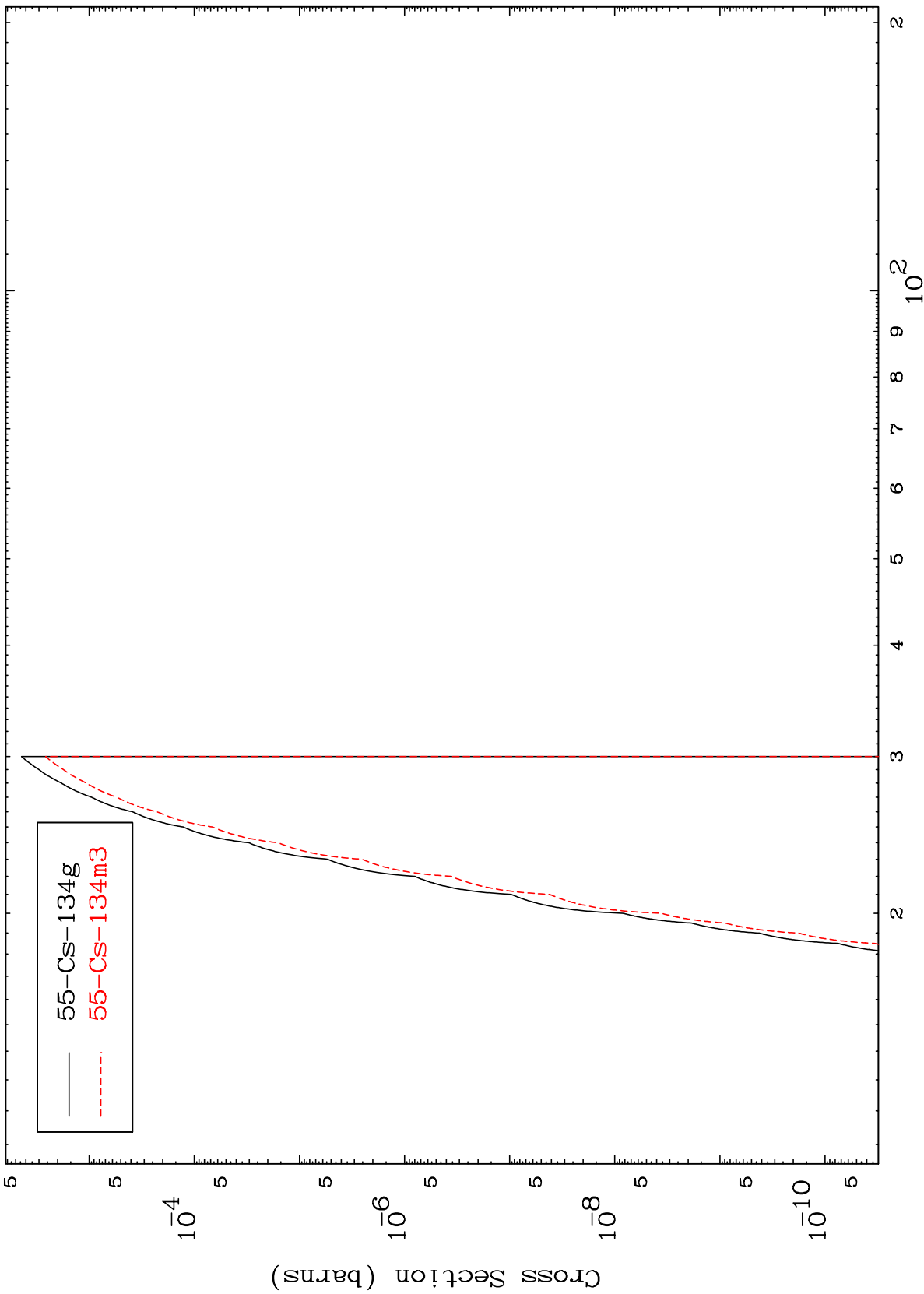
— 55-Cs-135g
- - - 55-Cs-135m10

57-La-139

Incident Energy (MeV)

118

Radionuclide Production Cross Section

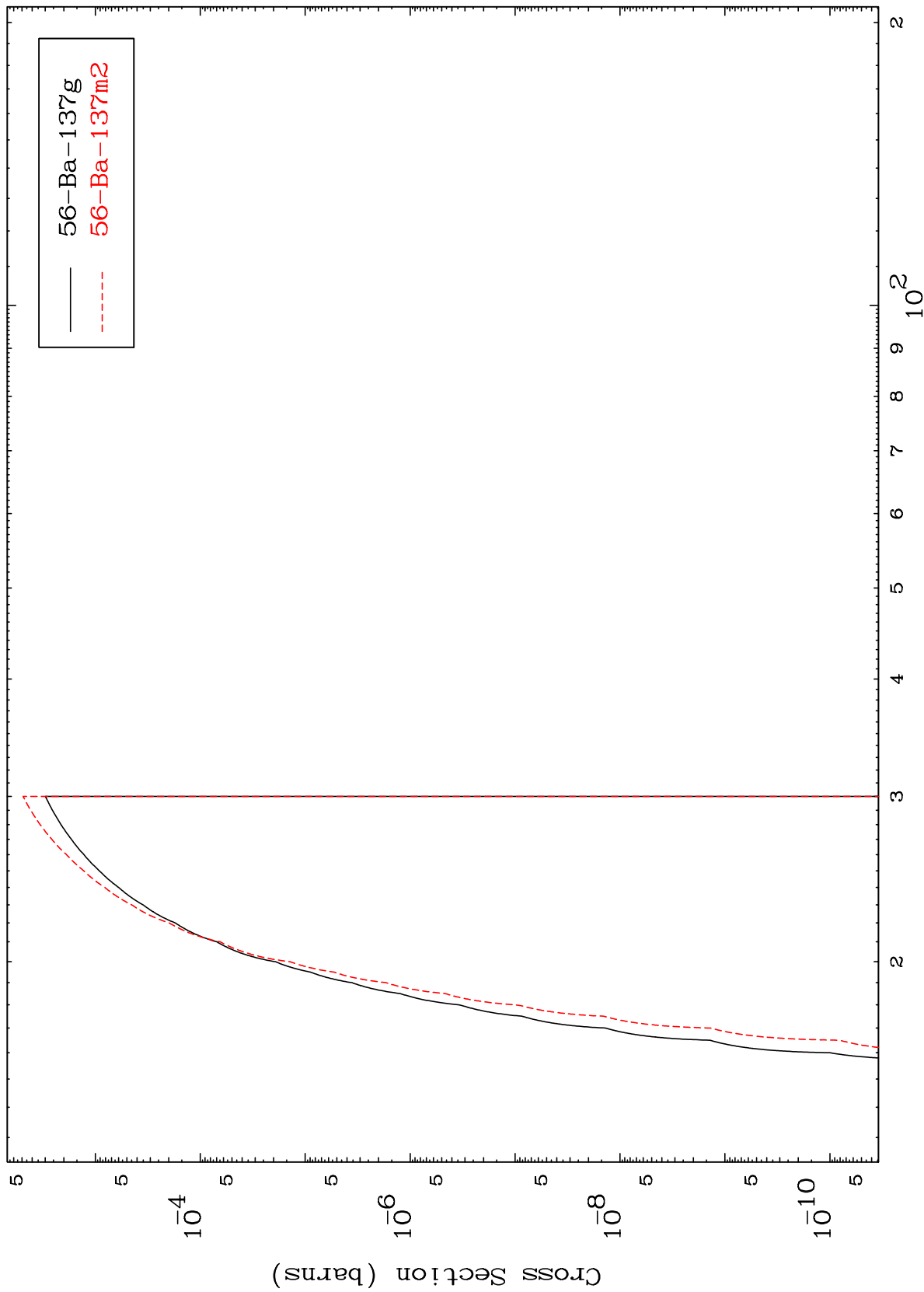


MAT 5728

(n,n') d

57-La-139

Radionuclide Production Cross Section



120

Incident Energy (MeV)

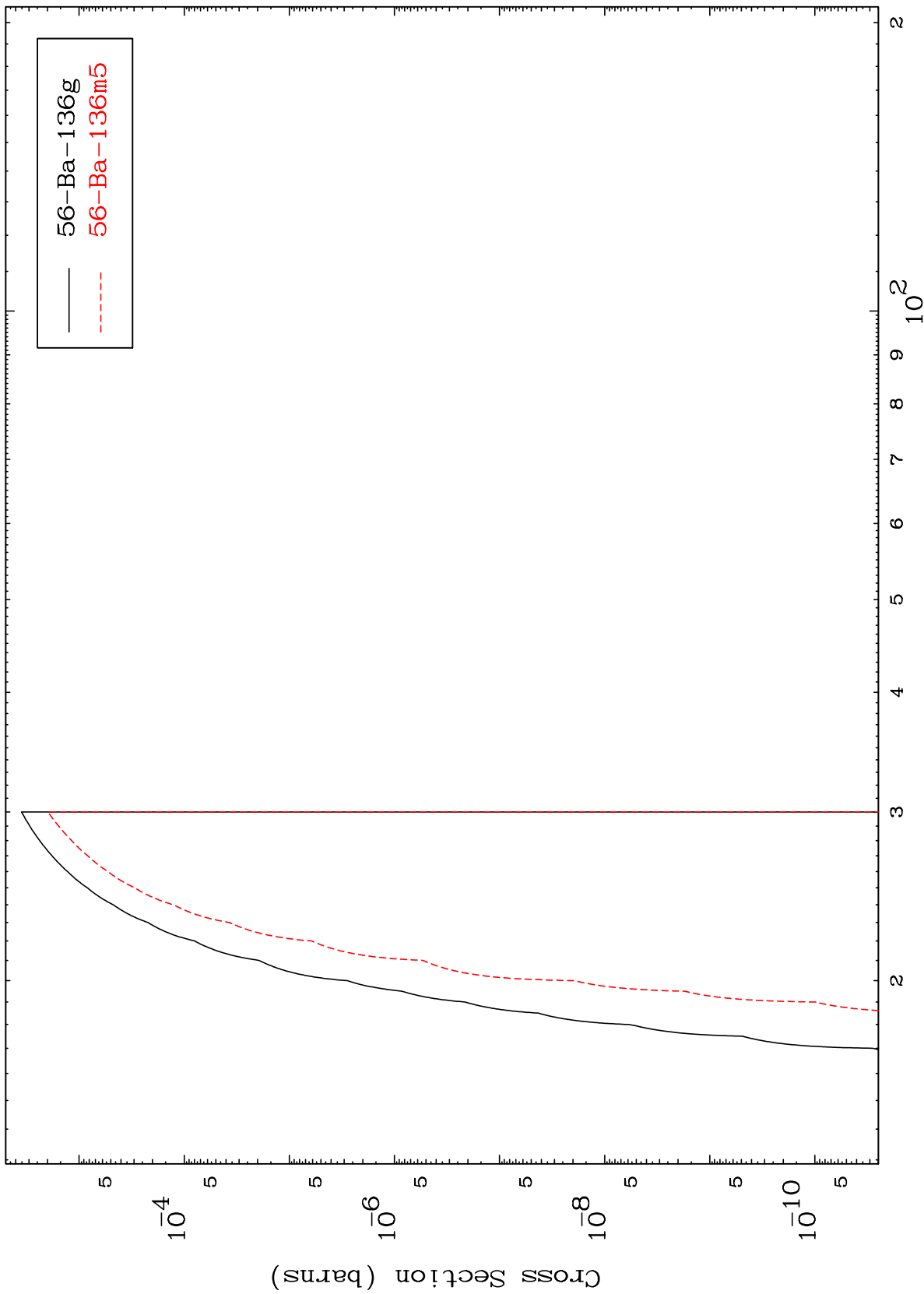
57-La-139

MAT 5728

(n,n') t

57-La-139

Radionuclide Production Cross Section

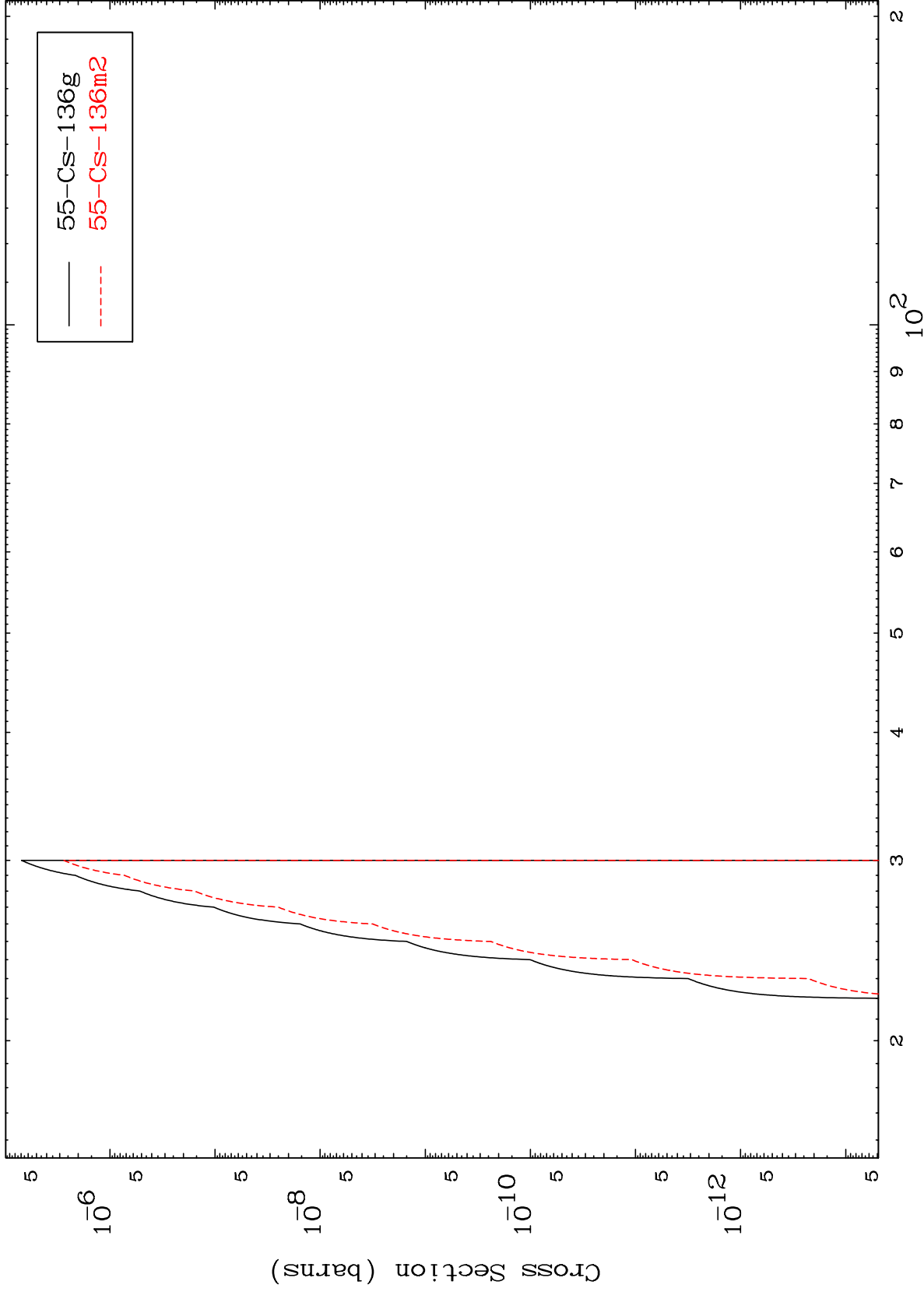


121

Incident Energy (MeV)

57-La-139

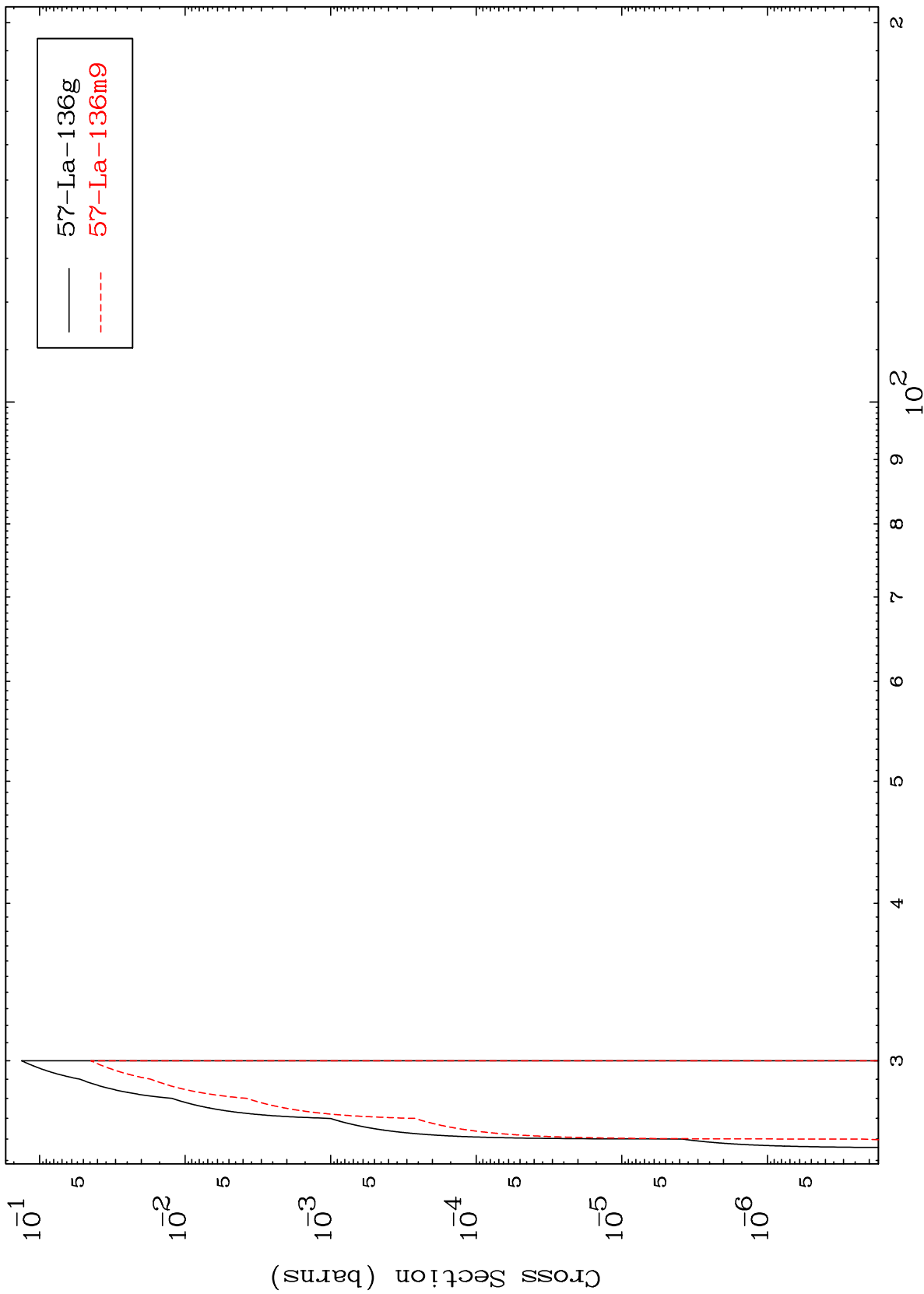
Radionuclide Production Cross Section



MAT 5728

57-La-139

(n,4n)
Radionuclide Production Cross Section



123

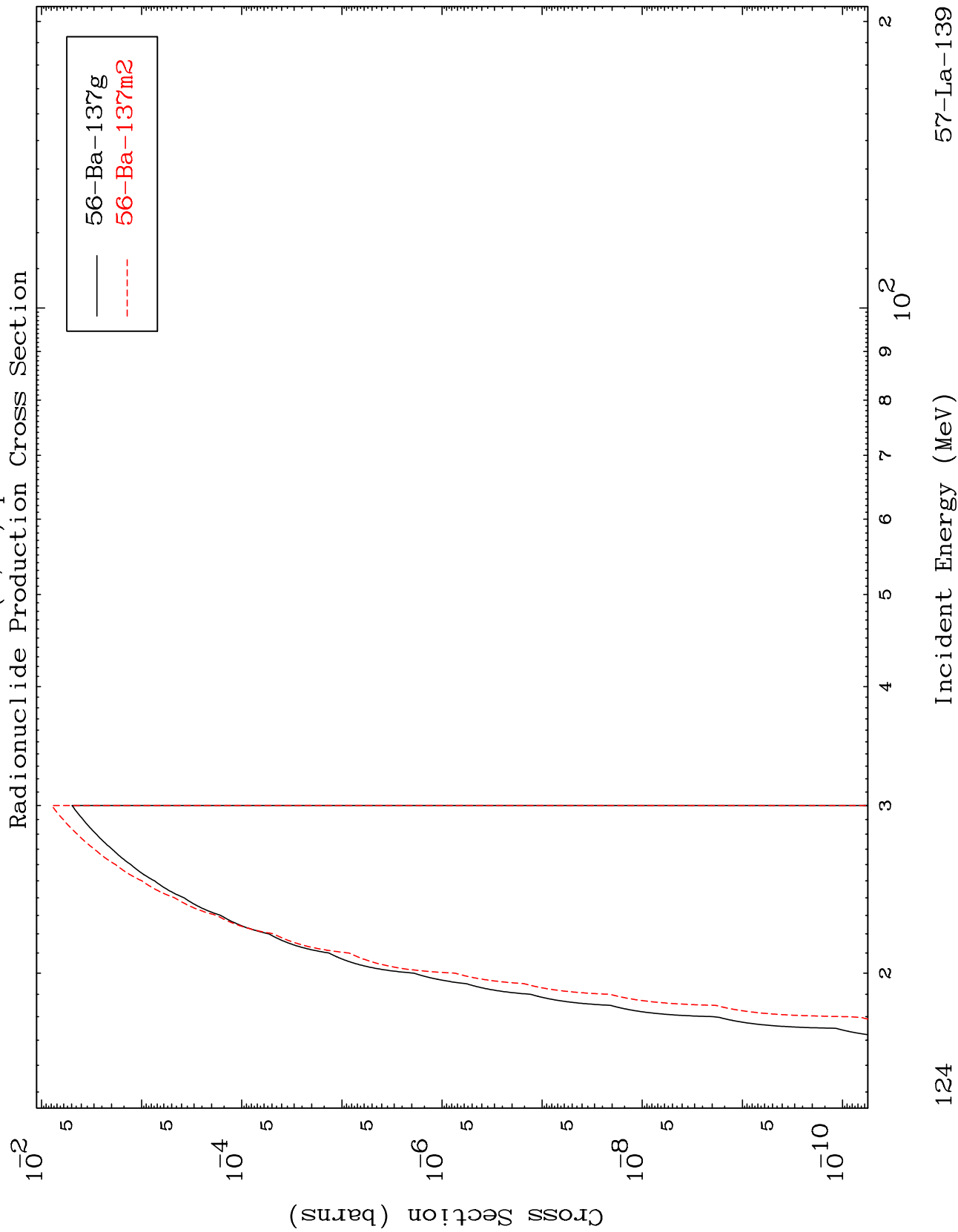
57-La-139

Incident Energy (MeV)

MAT 5728

(n,2n) p

57-La-139



124

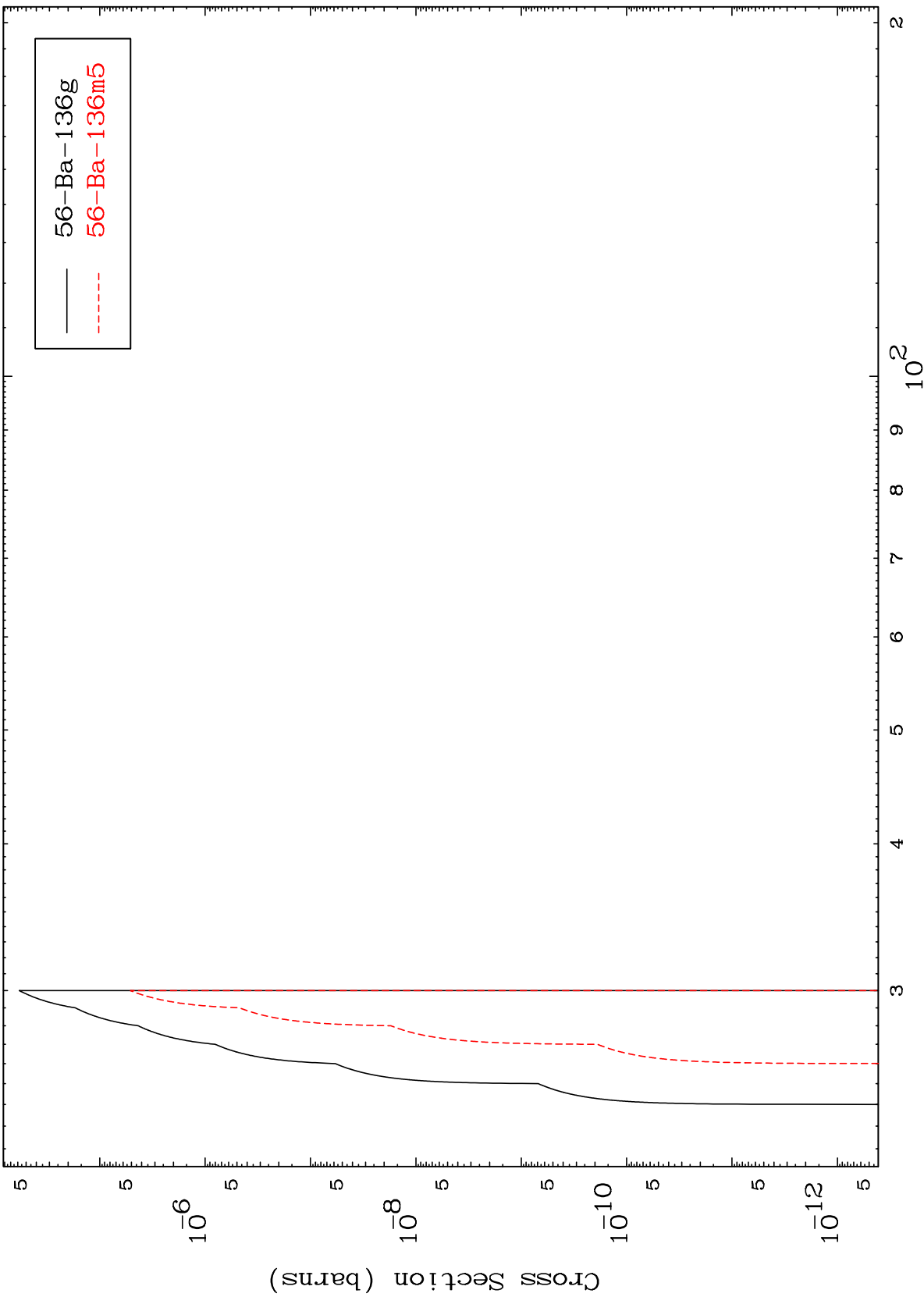
57-La-139

MAT 5728

(n,3n) p

57-La-139

Radionuclide Production Cross Section



56-Ba-136g
56-Ba-136m5

125

Incident Energy (MeV)

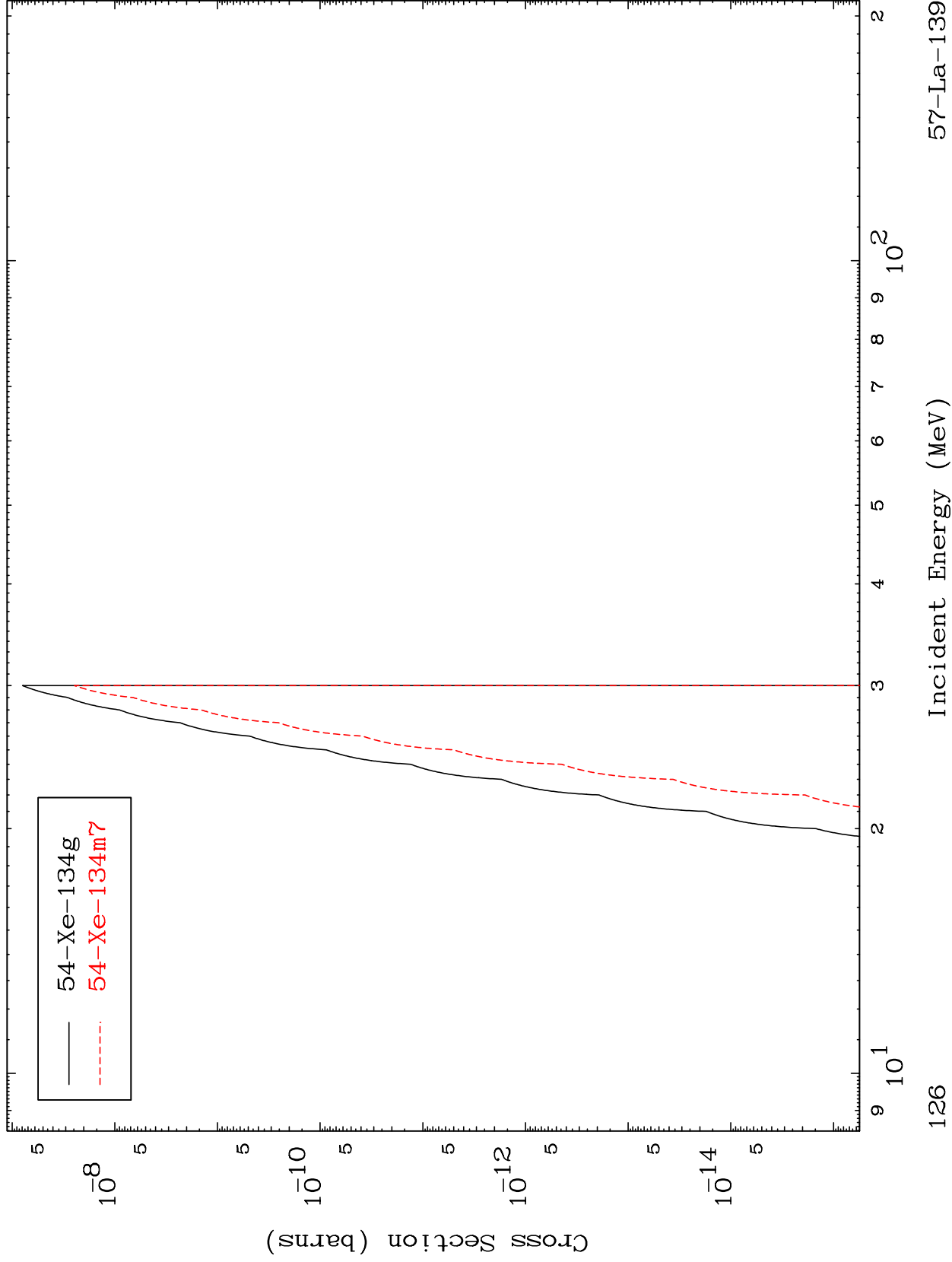
57-La-139

MAT 5728

(n,n') p α

57-La-139

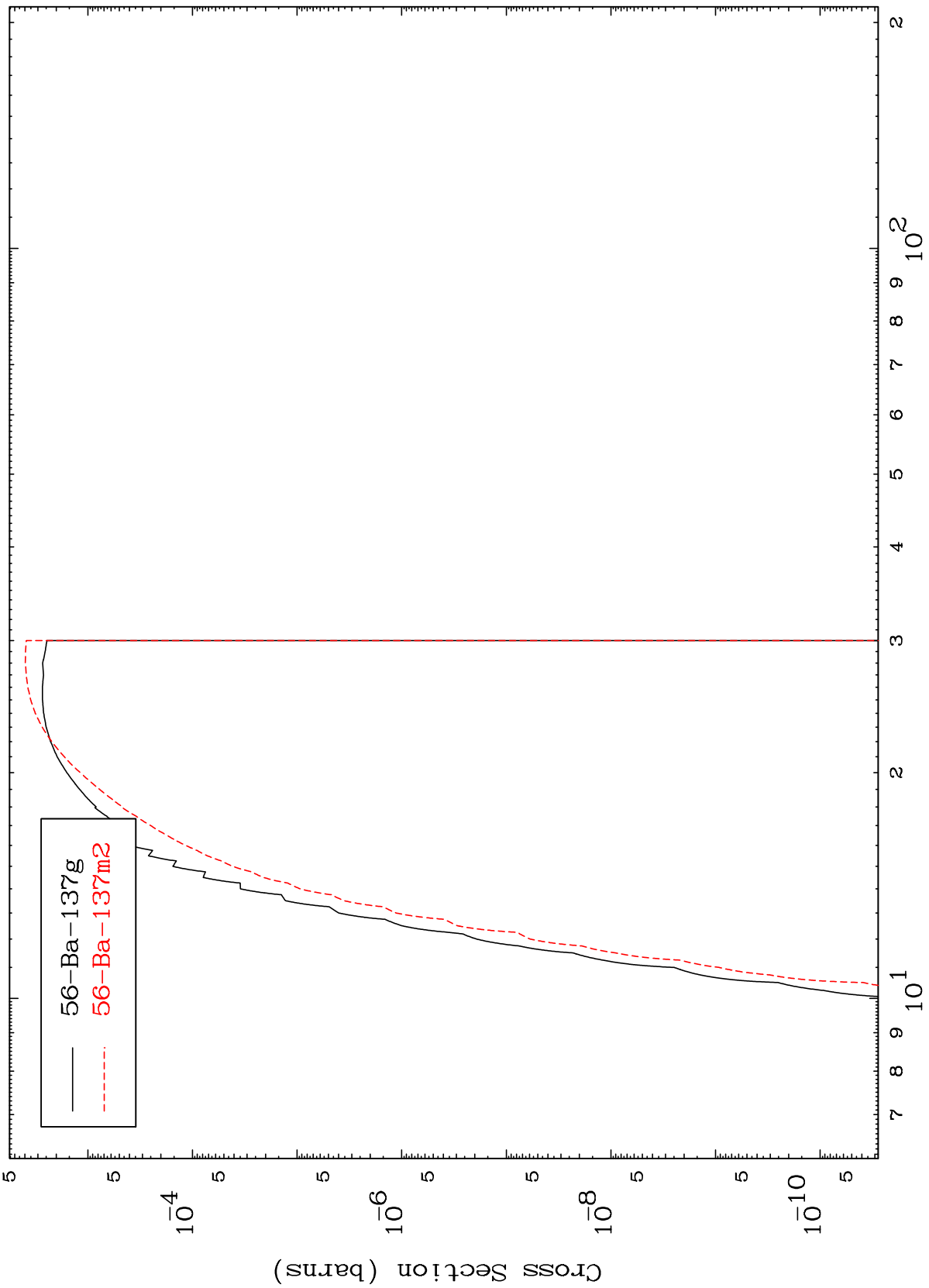
Radionuclide Production Cross Section



MAT 5728

57-La-139

(n, t)
Radionuclide Production Cross Section



127

Incident Energy (MeV)

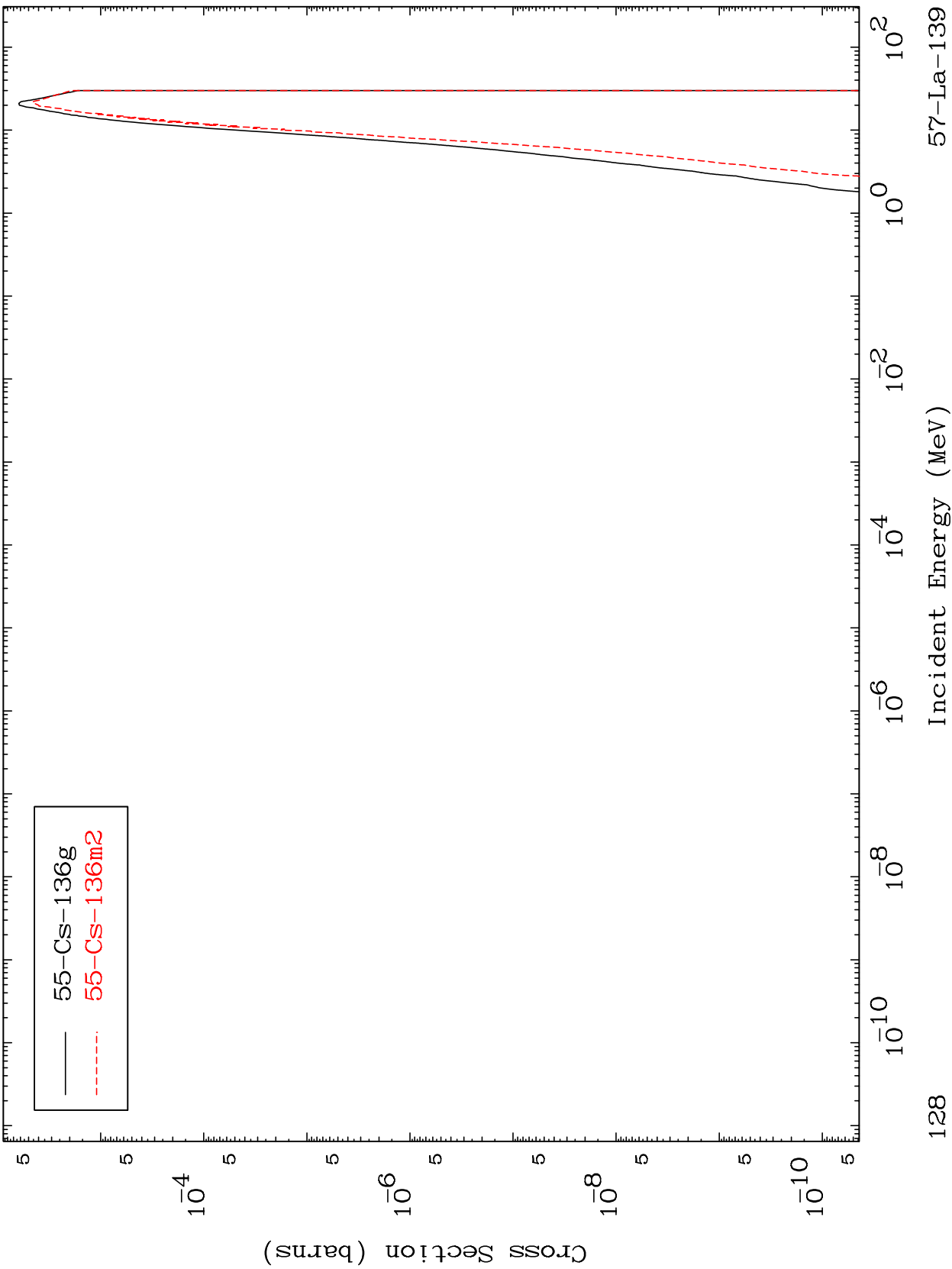
57-La-139

MAT 5728

(n, α)

57-La-139

Radionuclide Production Cross Section



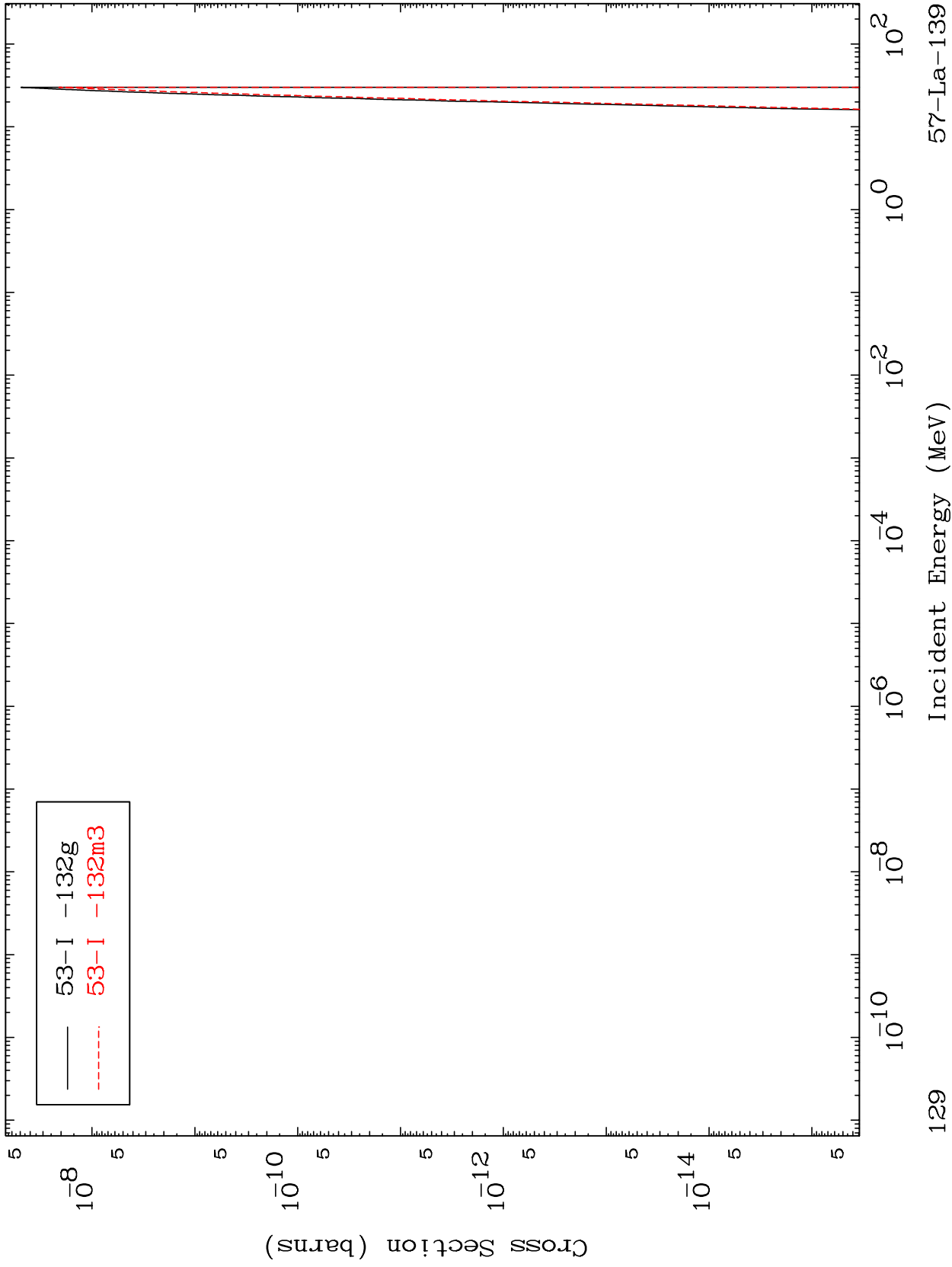
55-Cs-136g
55-Cs-136m2

MAT 5728

(n,2α)

57-La-139

Radionuclide Production Cross Section



129

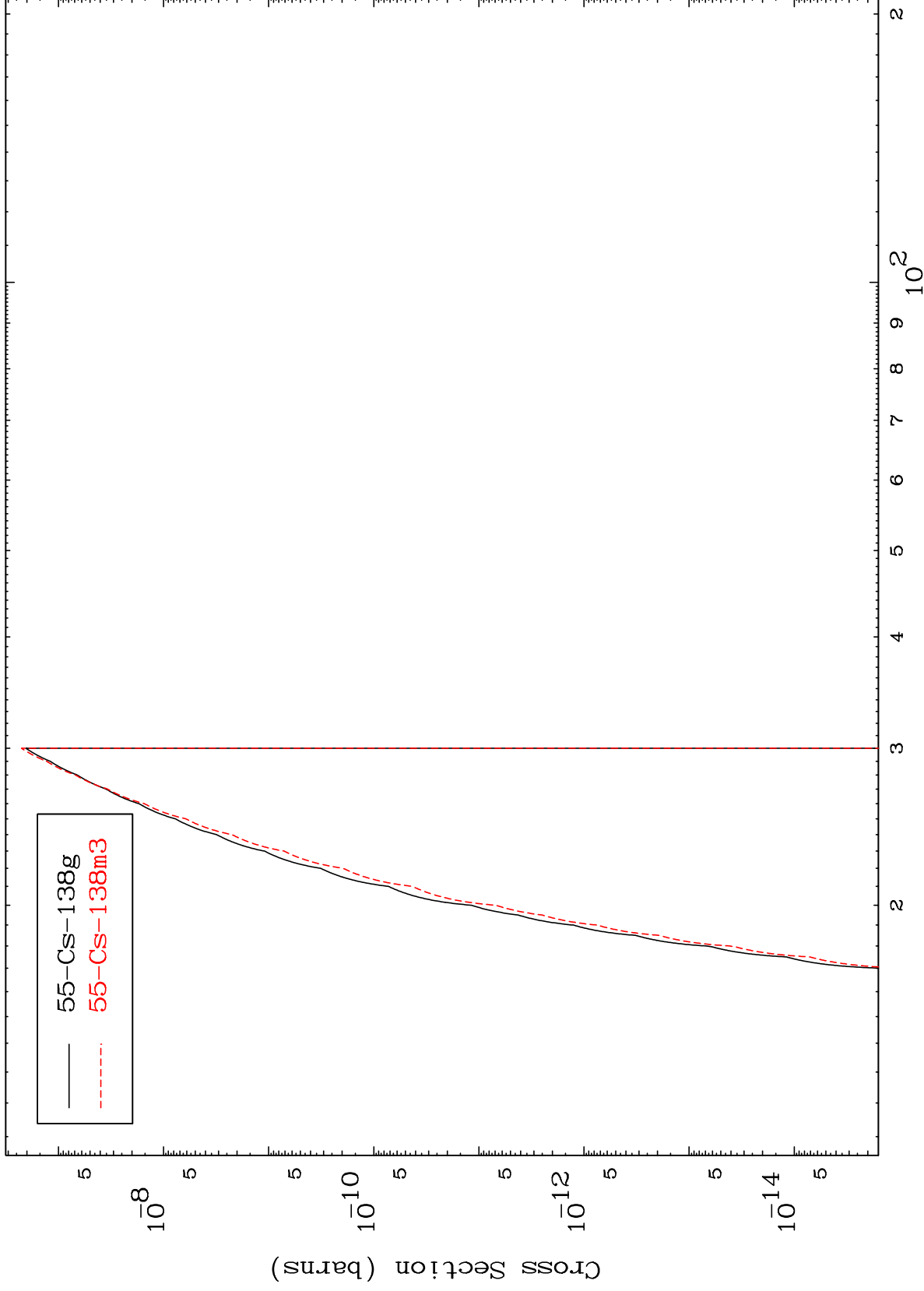
Incident Energy (MeV)

57-La-139

MAT 5728

57-La-139

(n,2p)
Radionuclide Production Cross Section



130

57-La-139

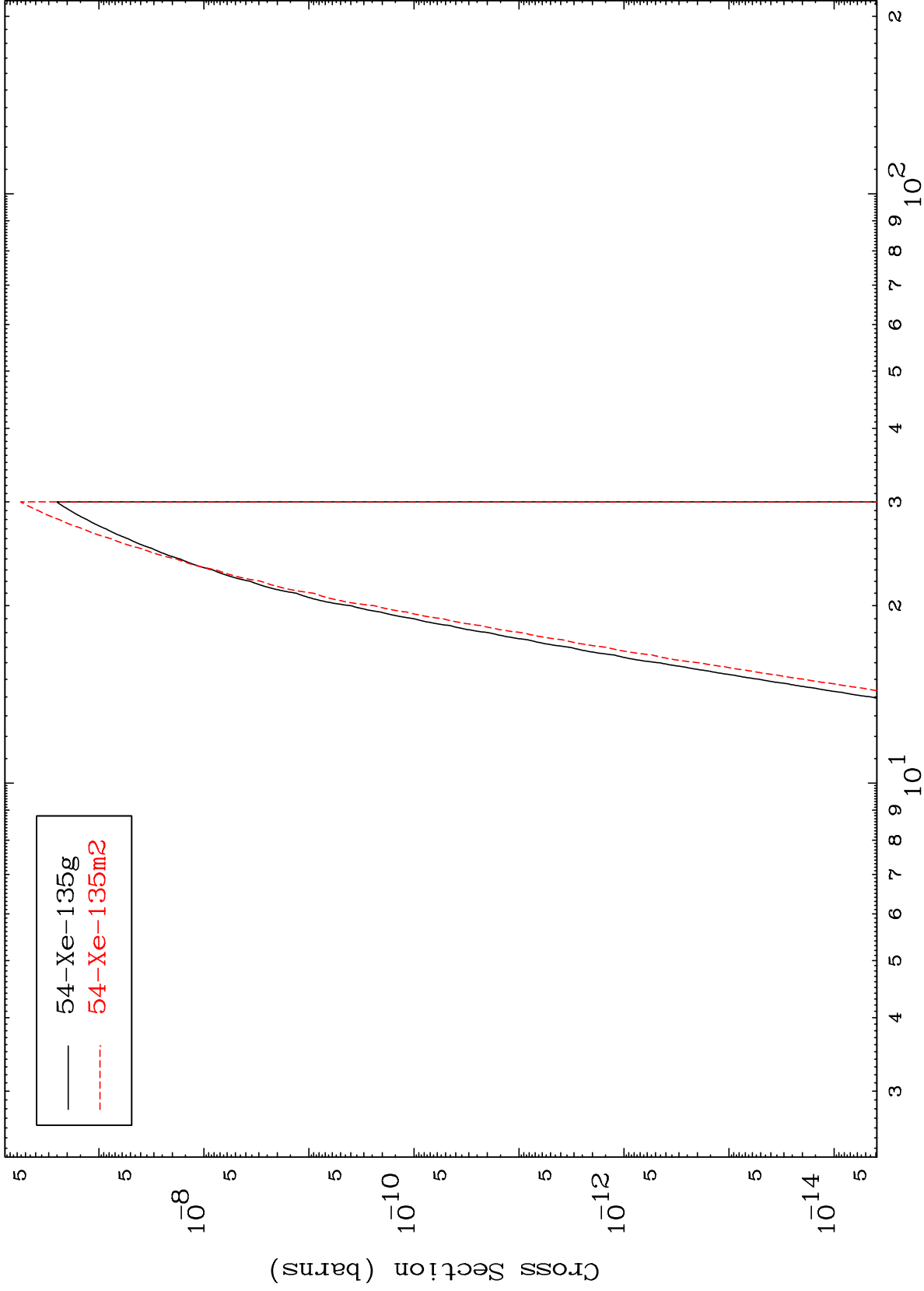
Incident Energy (MeV)

MAT 5728

(n,p) α

57-La-139

Radionuclide Production Cross Section



131

Incident Energy (MeV)

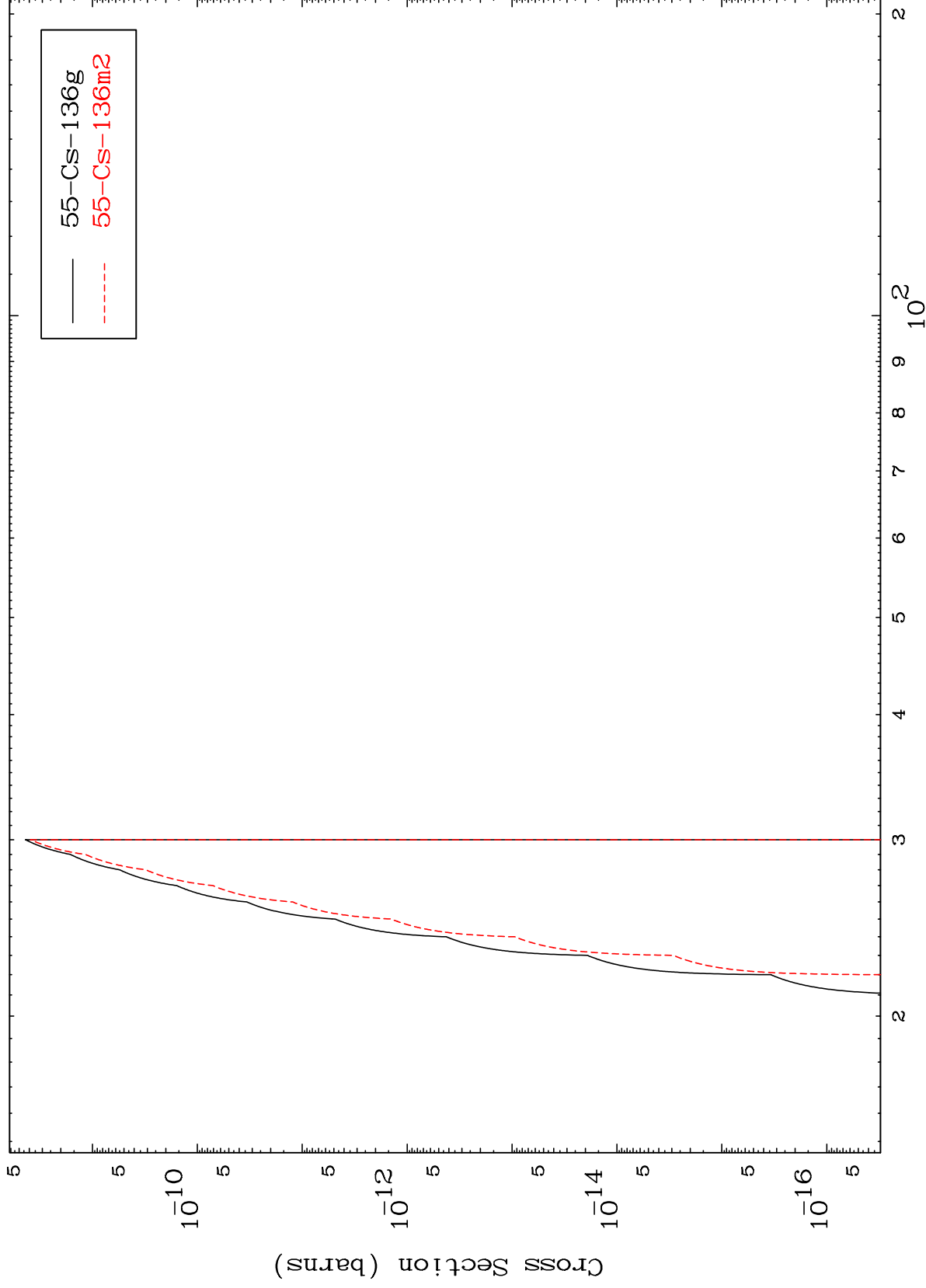
57-La-139

MAT 5728

(n,p) t

57-La-139

Radionuclide Production Cross Section



132

Incident Energy (MeV)

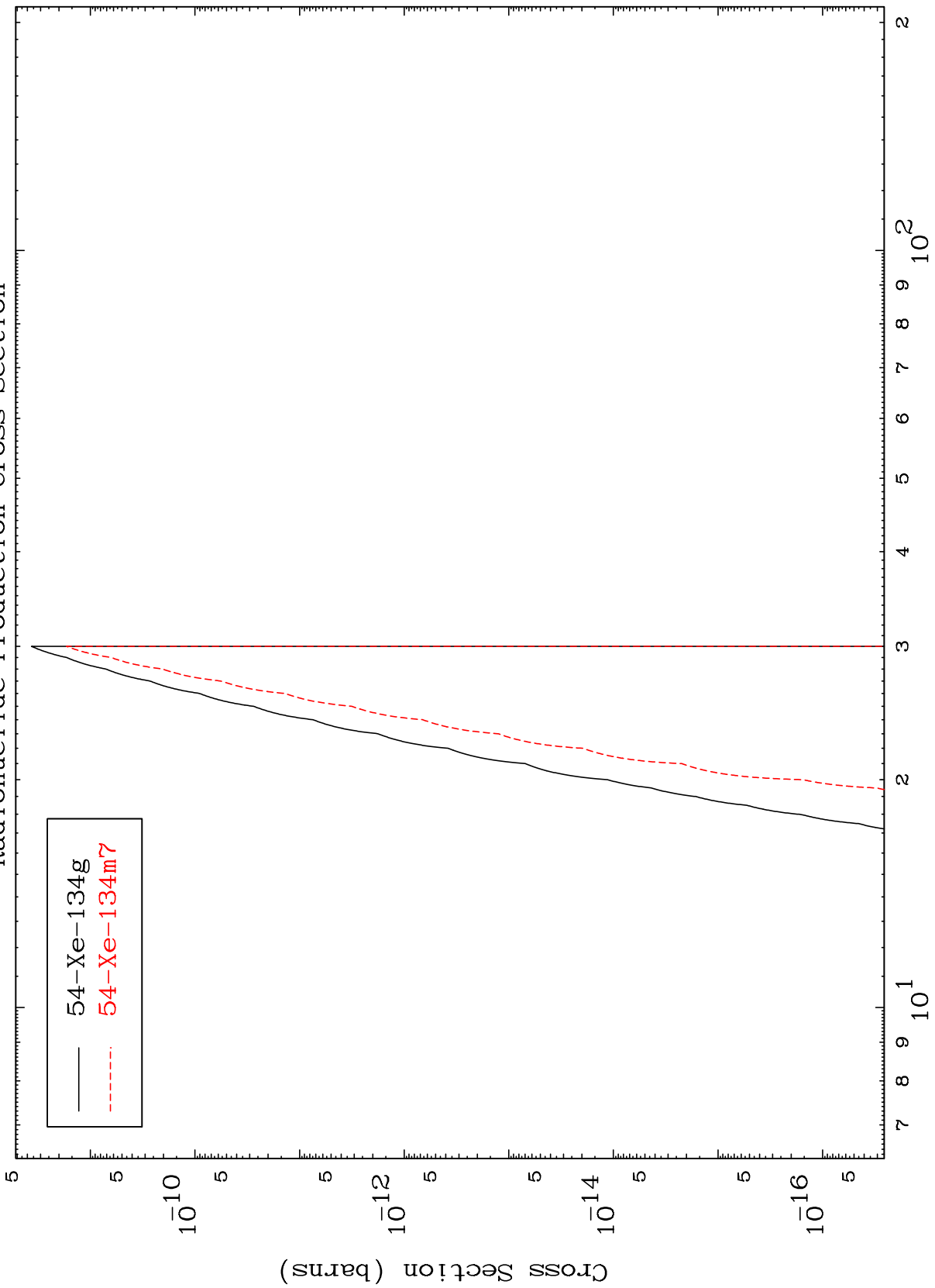
57-La-139

MAT 5728

57-La-139

(n,d) α

Radionuclide Production Cross Section



133

Incident Energy (MeV)

57-La-139