

Program EVALPLOT  
(Version 2018-1)

by

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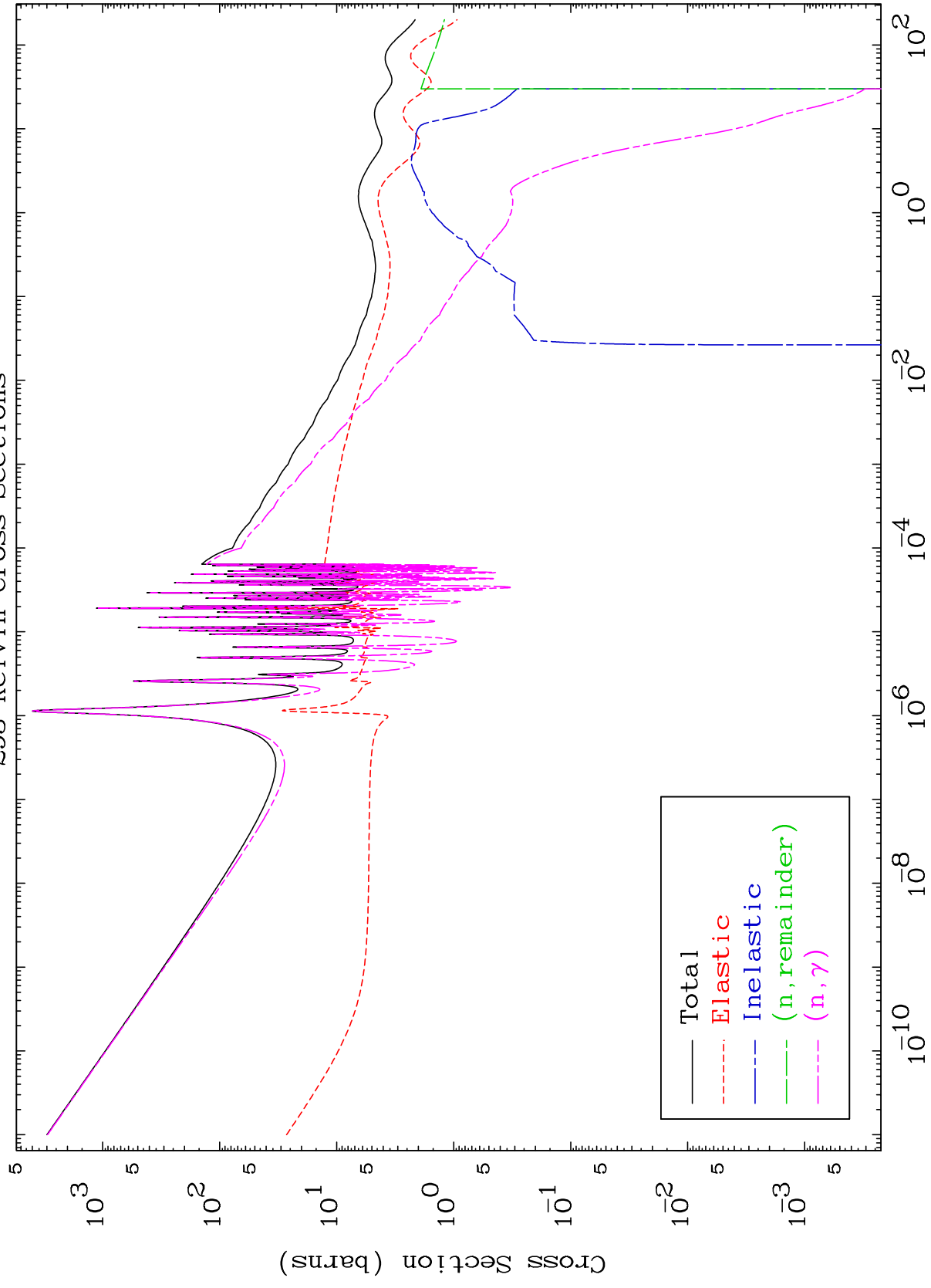
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5704

Major  
293 Kelvin Cross Sections

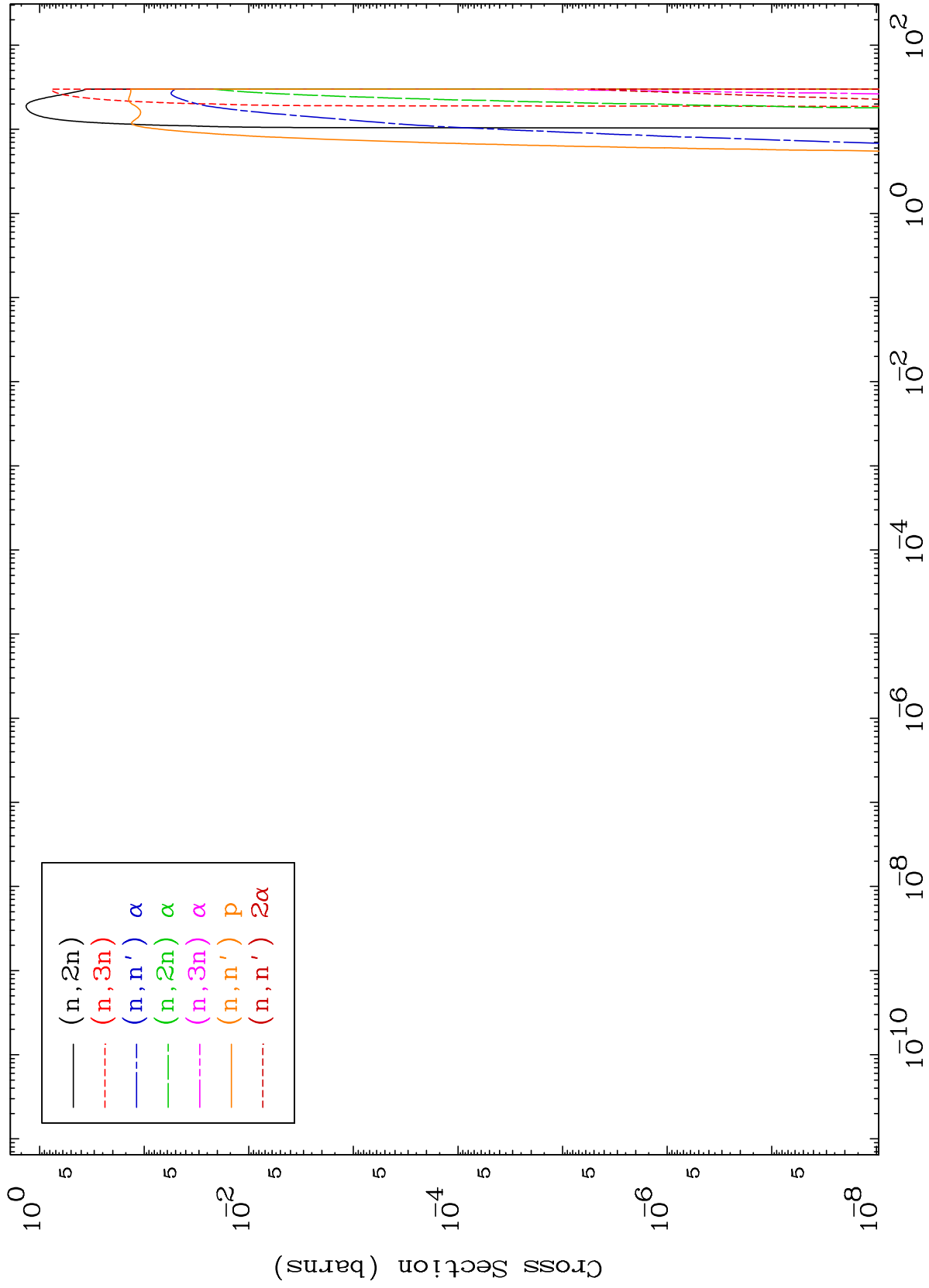
57-La-131



MAT 5704

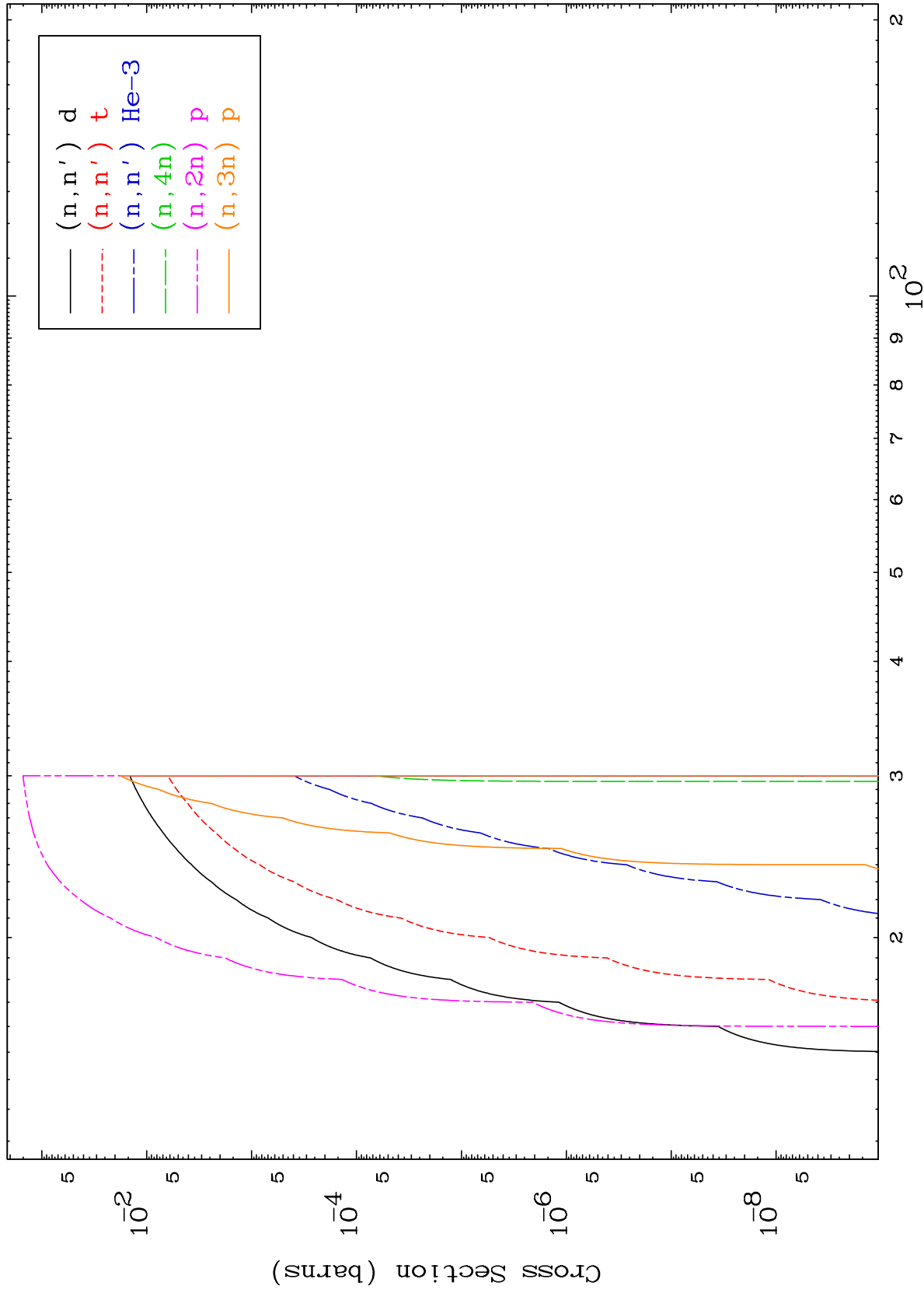
Neutron Production  
293 Kelvin Cross Sections

57-La-131



2

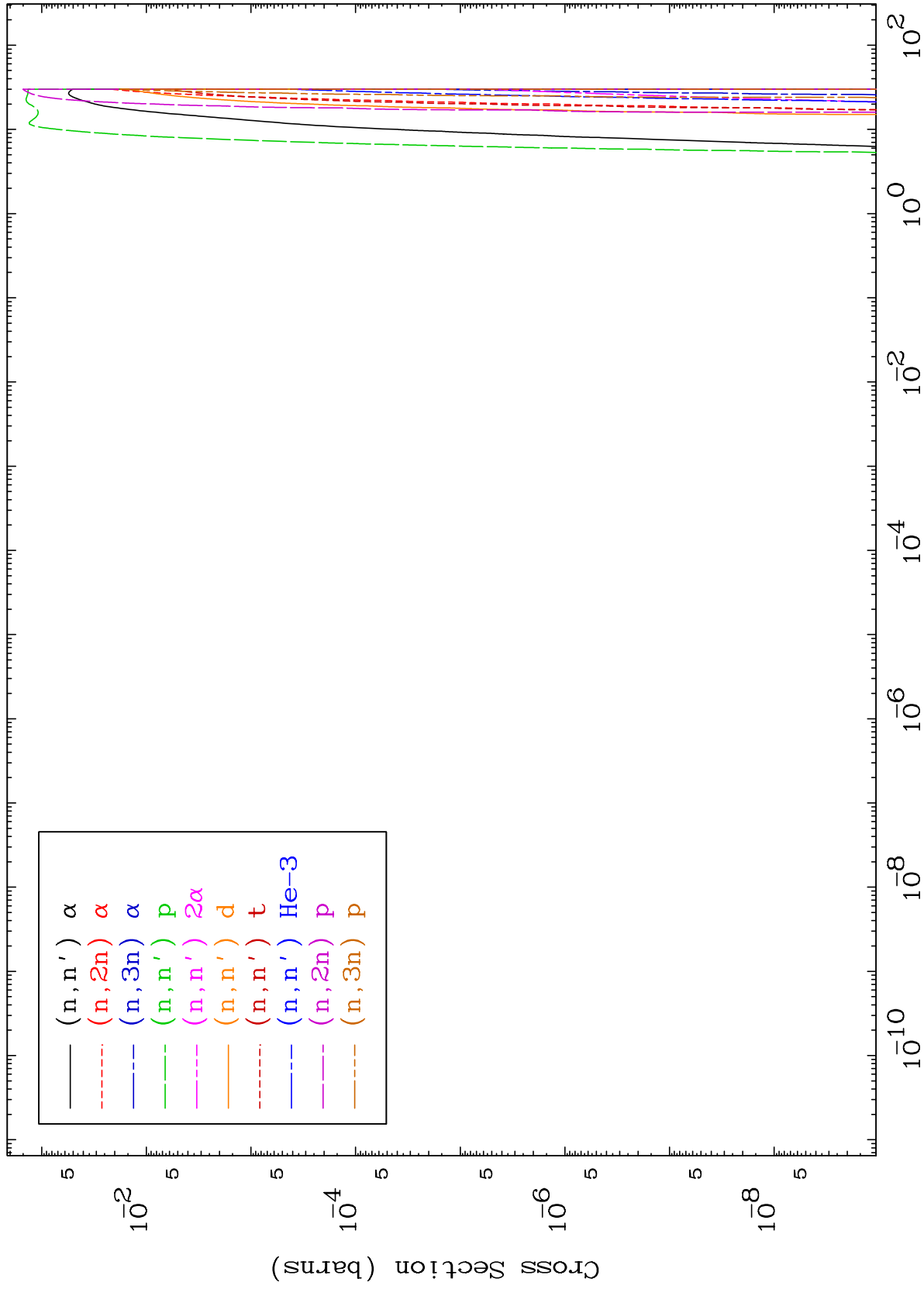
57-La-131



MAT 5704

Charged Particle  
293 Kelvin Cross Sections

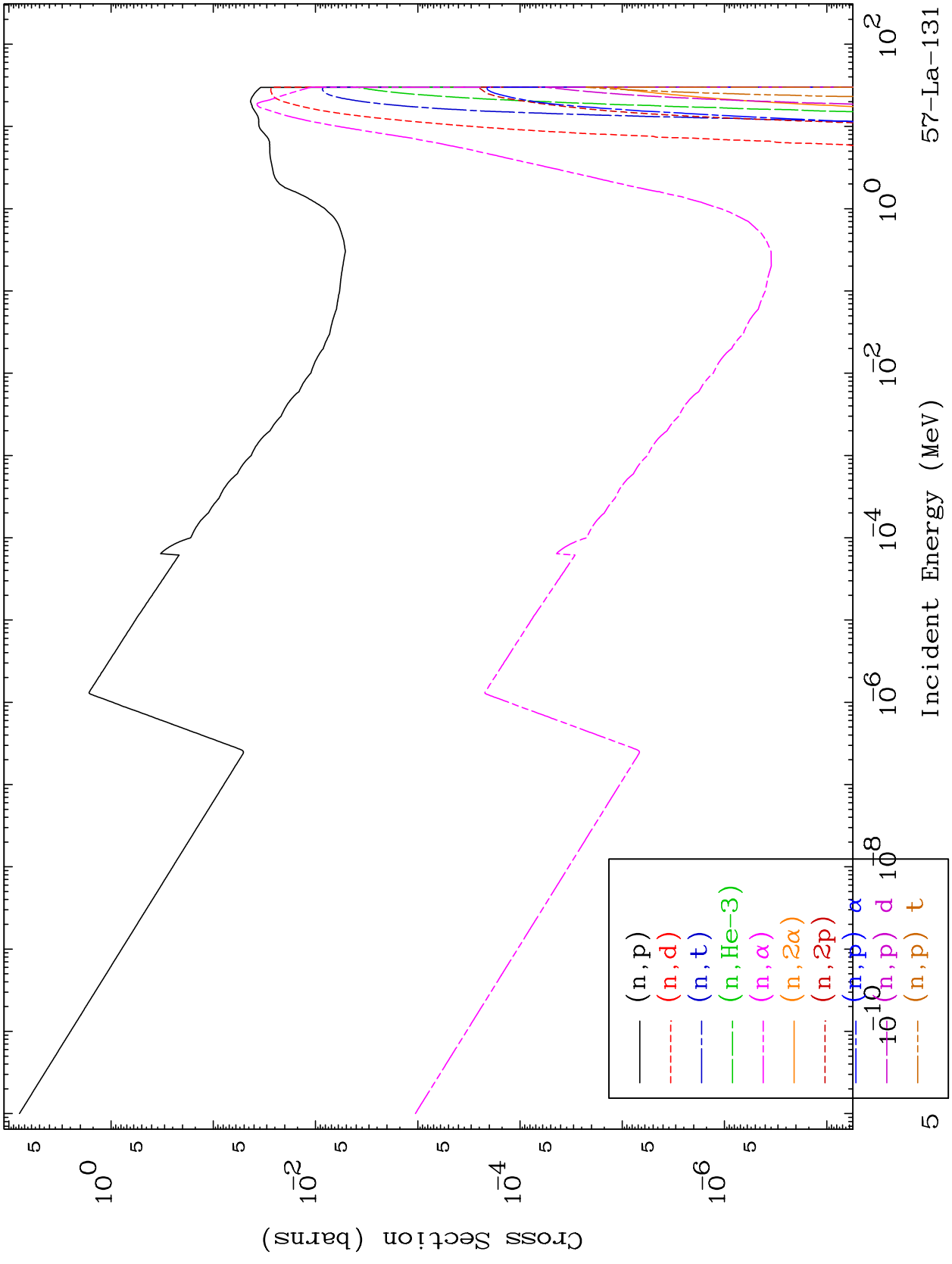
57-La-131



MAT 5704

Charged Particle  
293 Kelvin Cross Sections

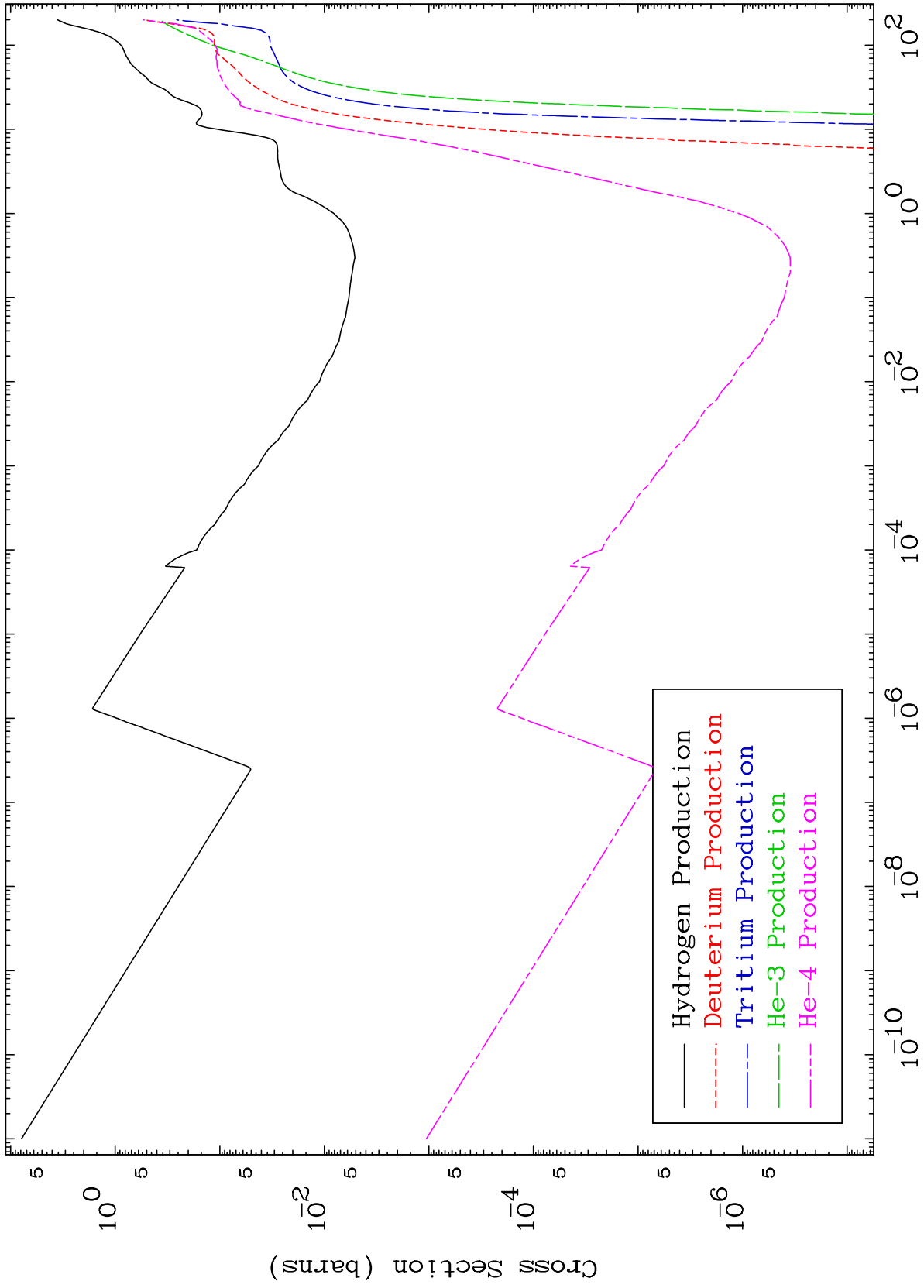
57-La-131



MAT 5704

Particle Production  
293 Kelvin Cross Sections

57-La-131



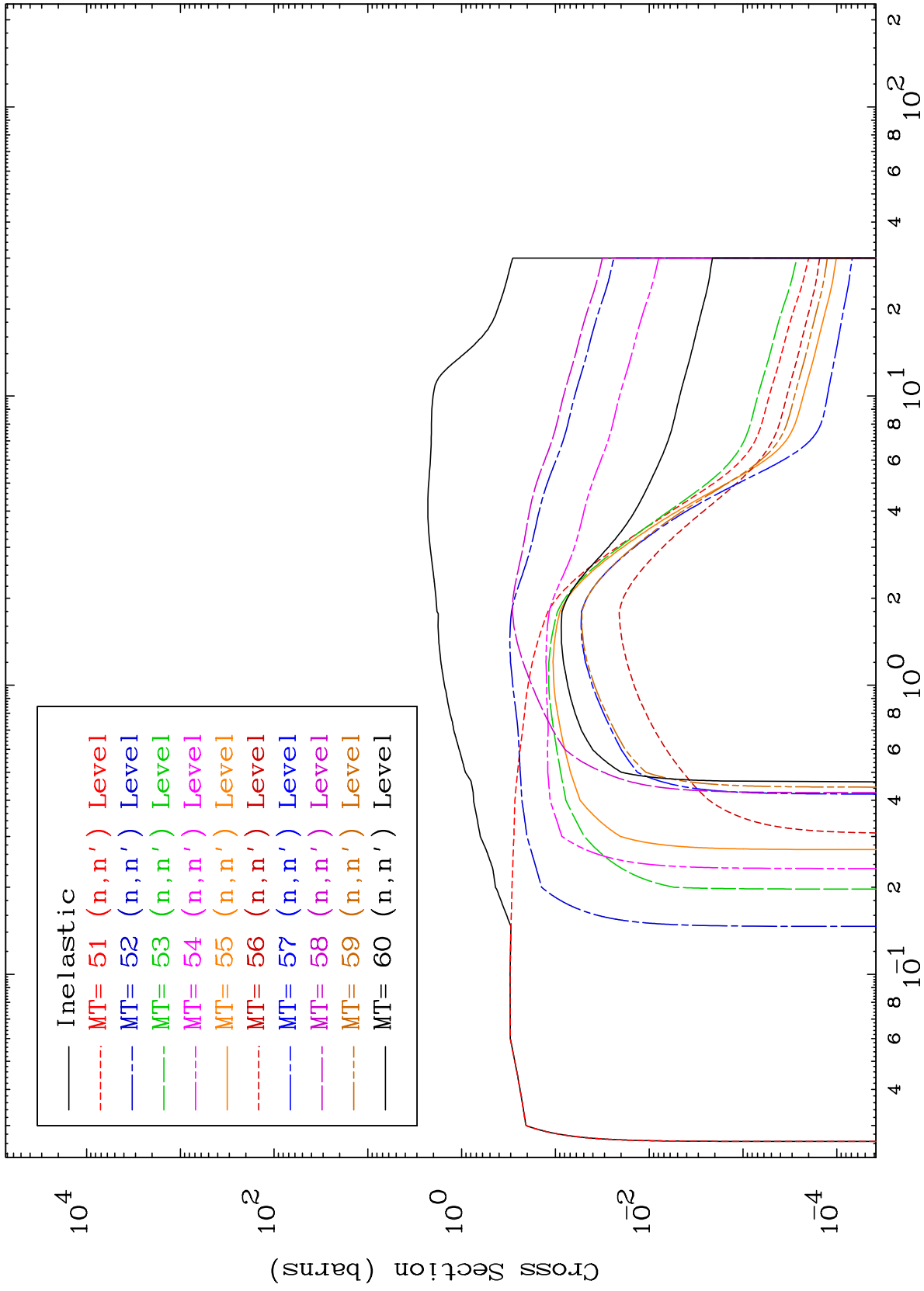
6

57-La-131

MAT 5704

(n,n') Level  
293 Kelvin Cross Sections

57-La-131

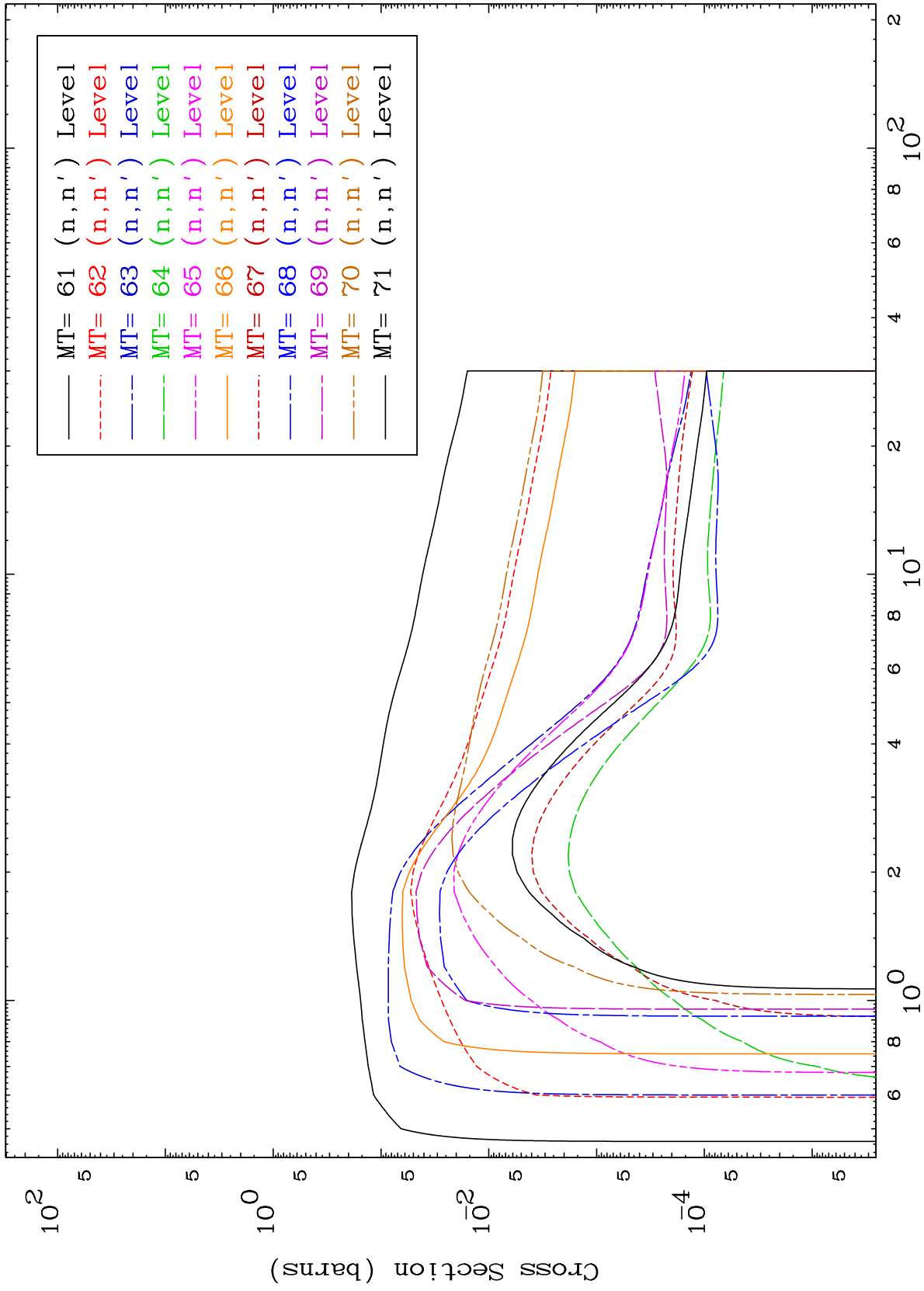




MAT 5704

(n,n') Level  
293 Kelvin Cross Sections

57-La-131



8

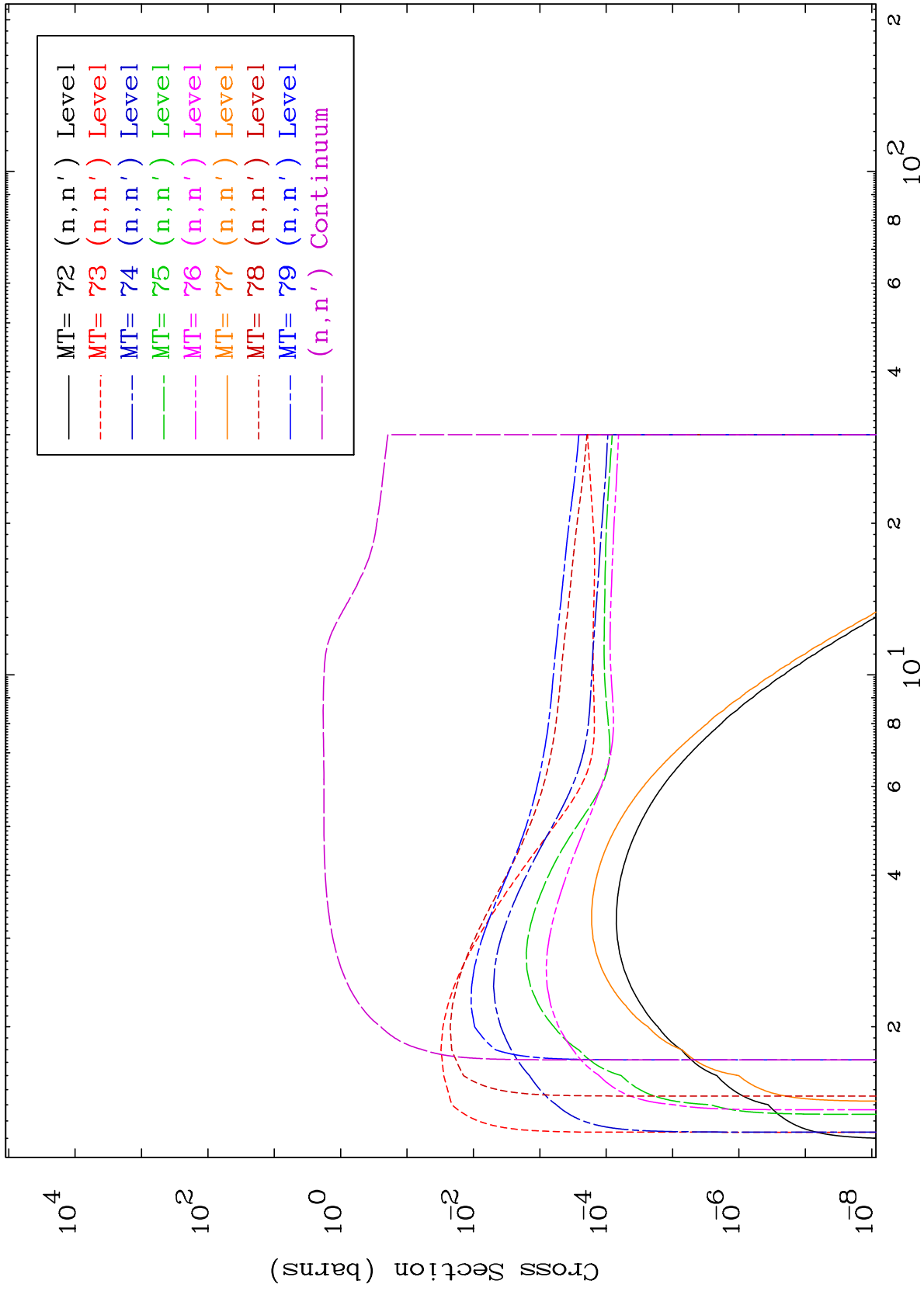
Incident Energy (MeV)

57-La-131

MAT 5704

(n,n') Level  
293 Kelvin Cross Sections

57-La-131



9

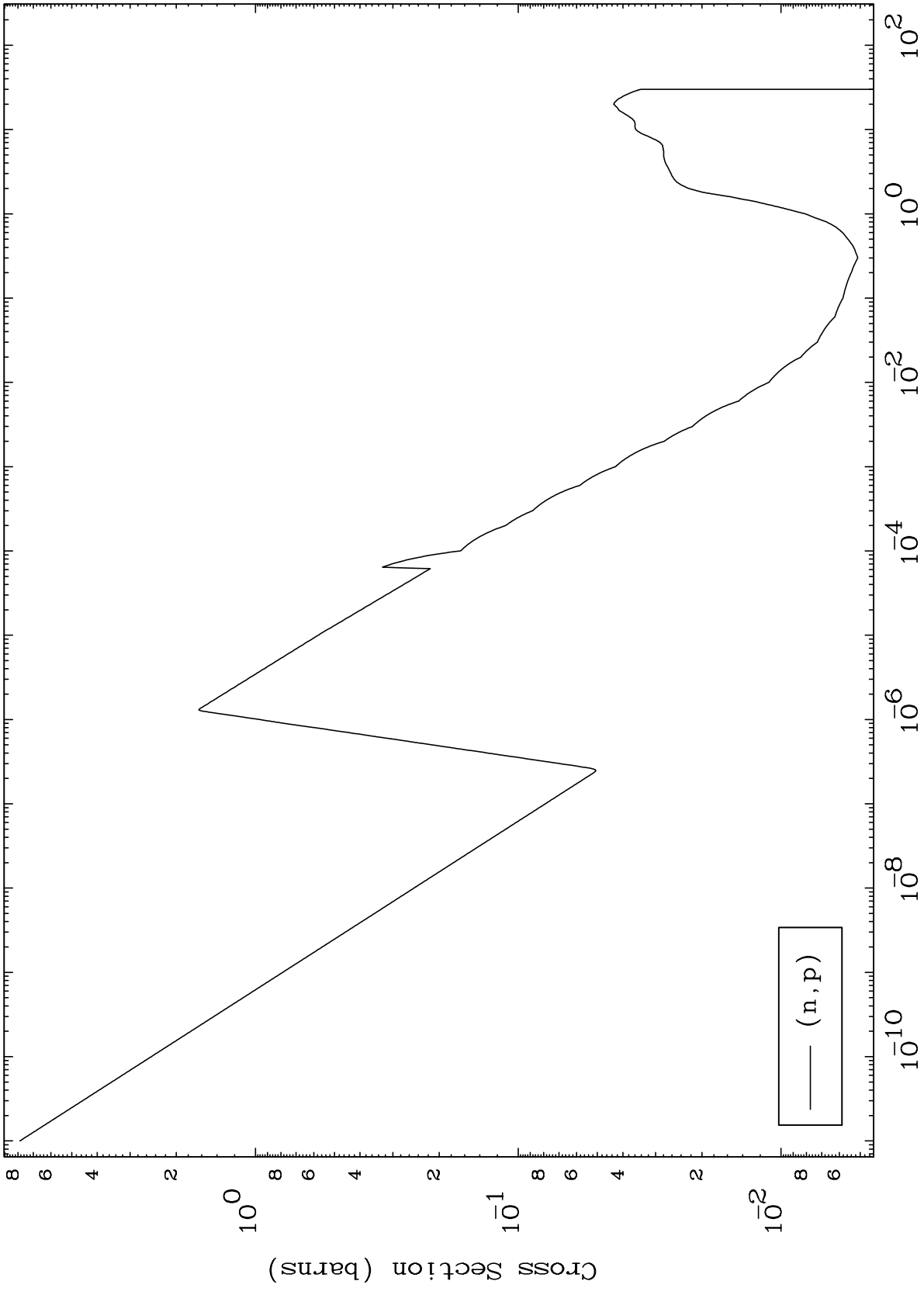
Incident Energy (MeV)

57-La-131

MAT 5704

(n,p) Levels  
293 Kelvin Cross Sections

57-La-131



10

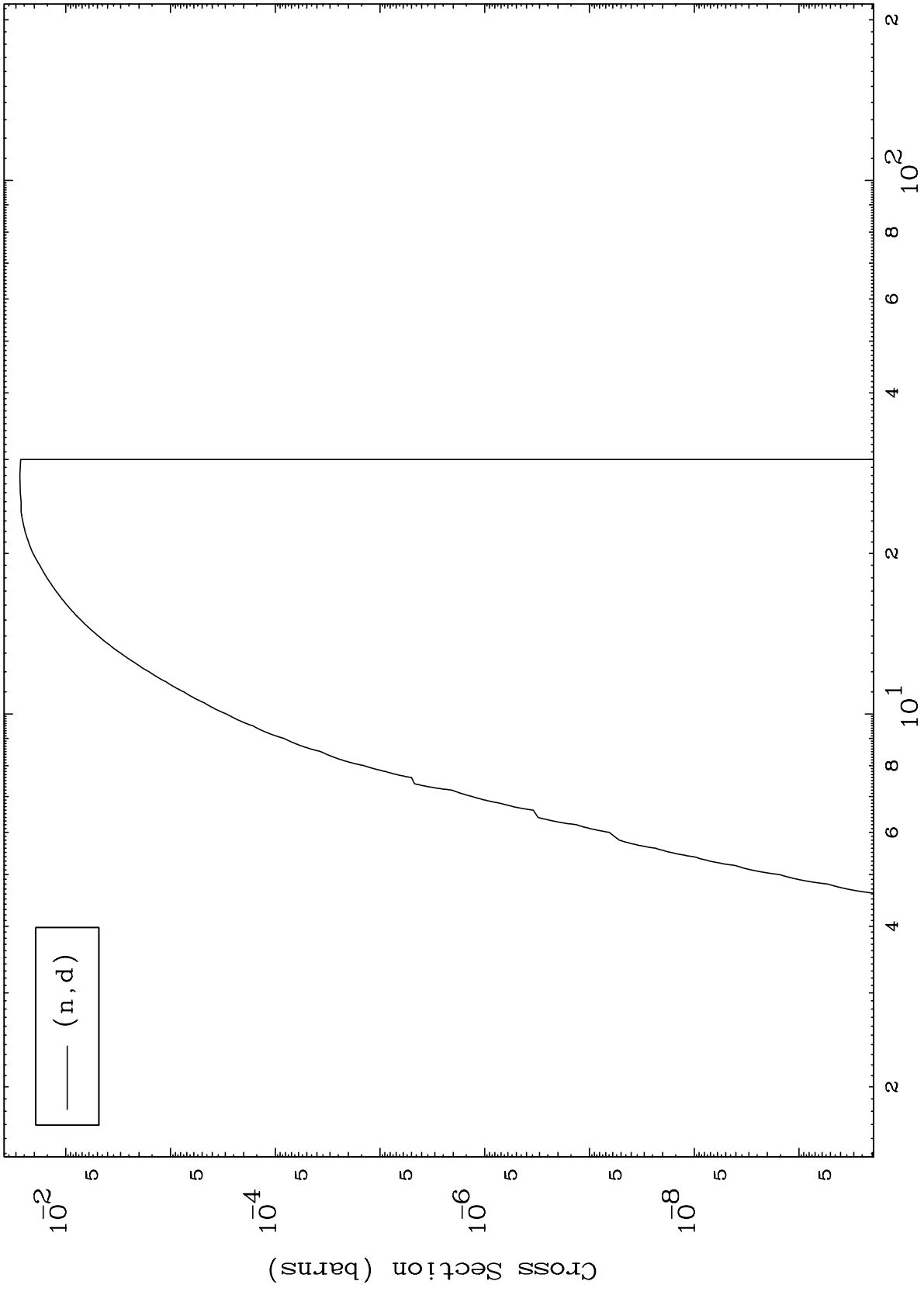
Incident Energy (MeV)

57-La-131

MAT 5704

(n,d) Levels  
293 Kelvin Cross Sections

57-La-131

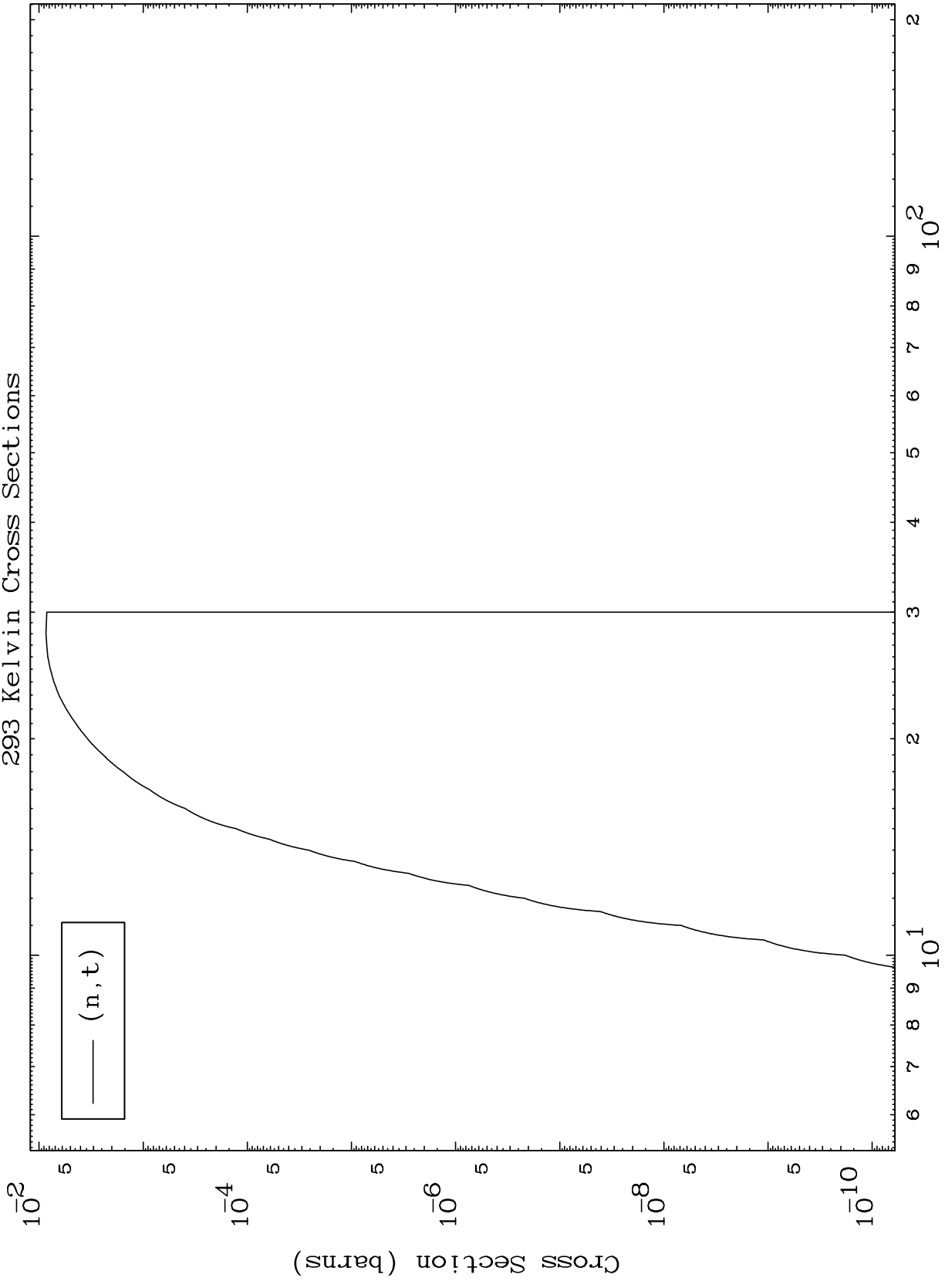


57-La-131

MAT 5704

57-La-131

(n,t) Levels  
293 Kelvin Cross Sections



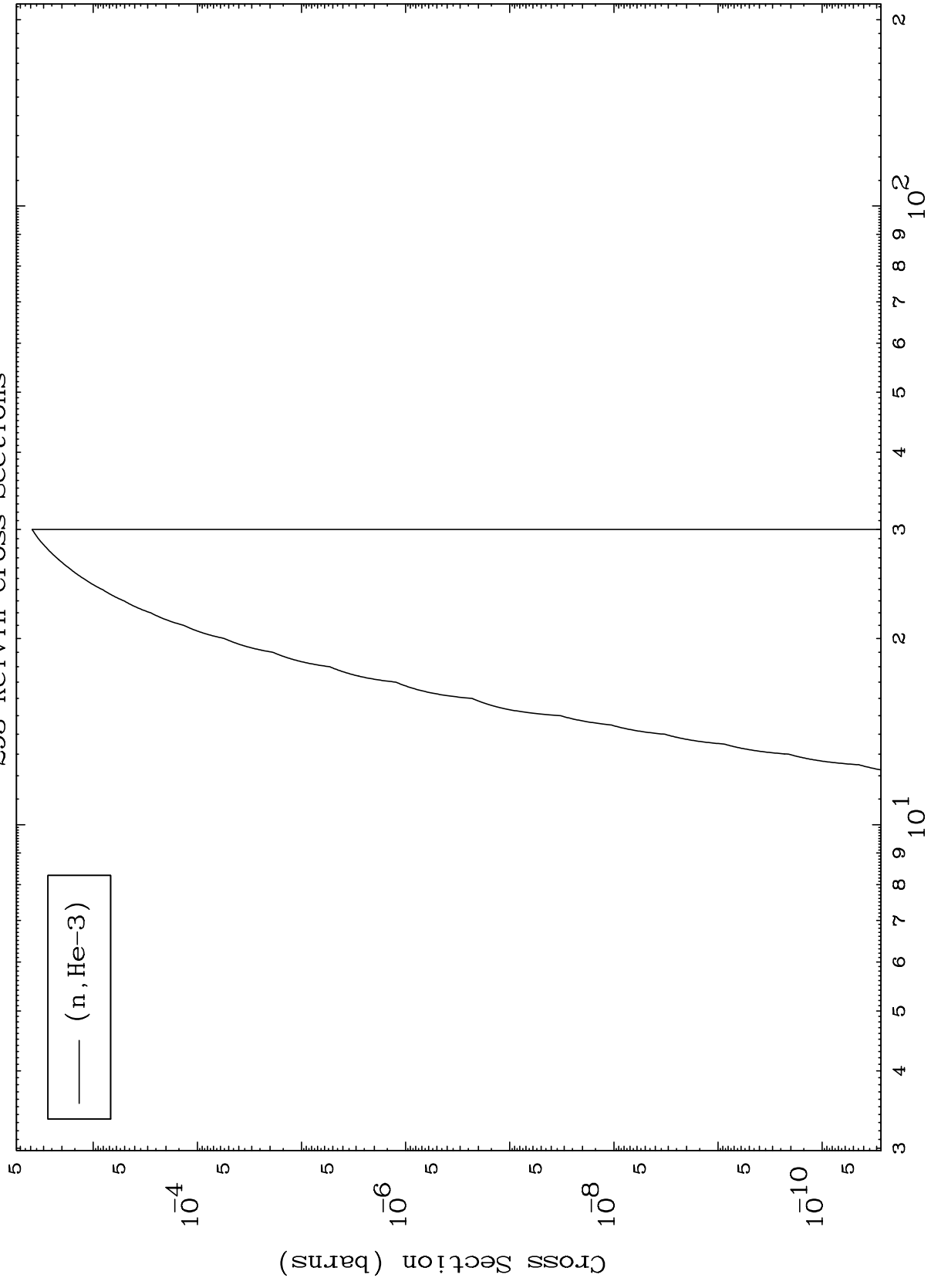
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57-La-131

MAT 5704

(n,He3) Levels  
293 Kelvin Cross Sections

57-La-131



13

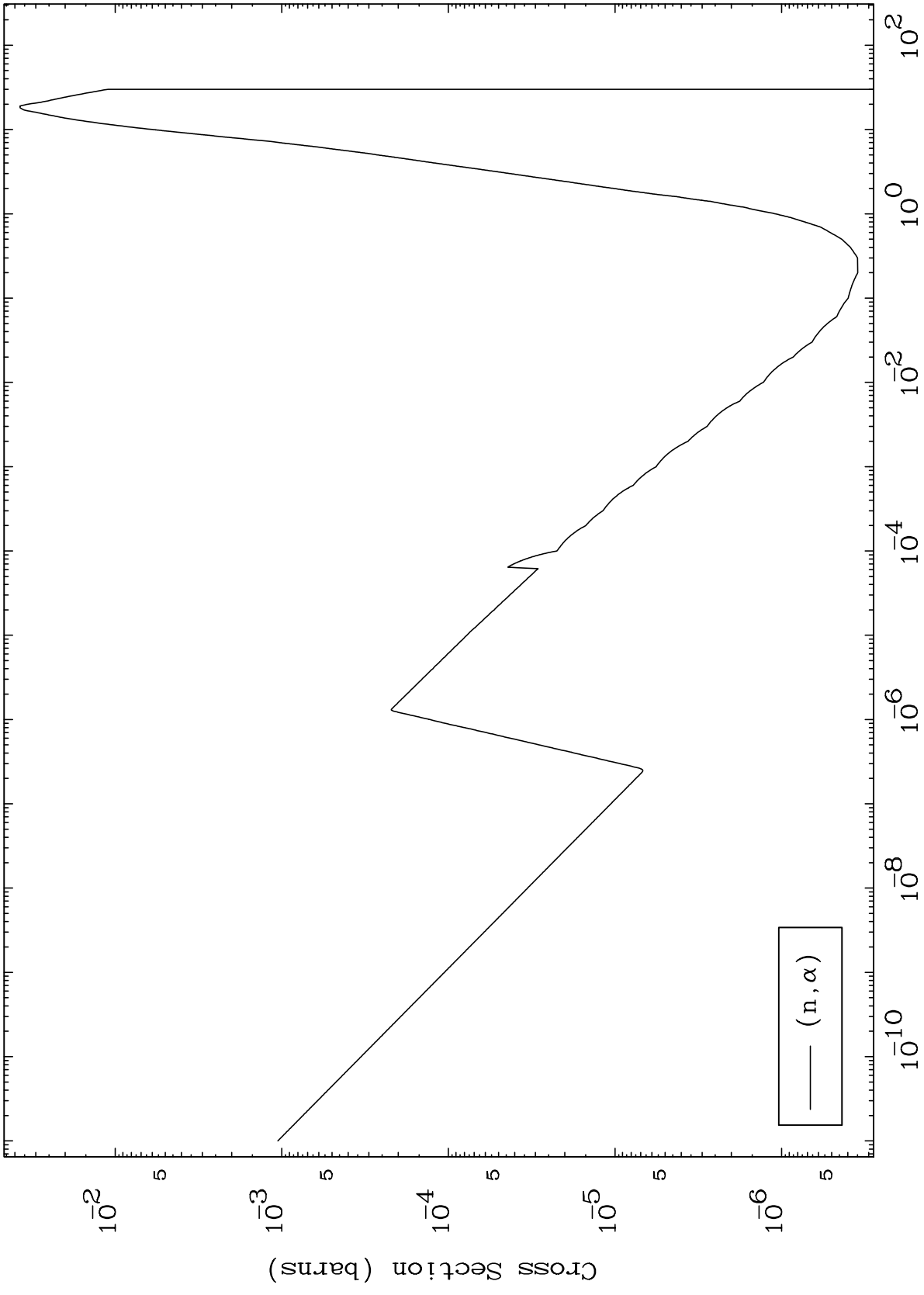
Incident Energy (MeV)

57-La-131

MAT 5704

(n,α) Levels  
293 Kelvin Cross Sections

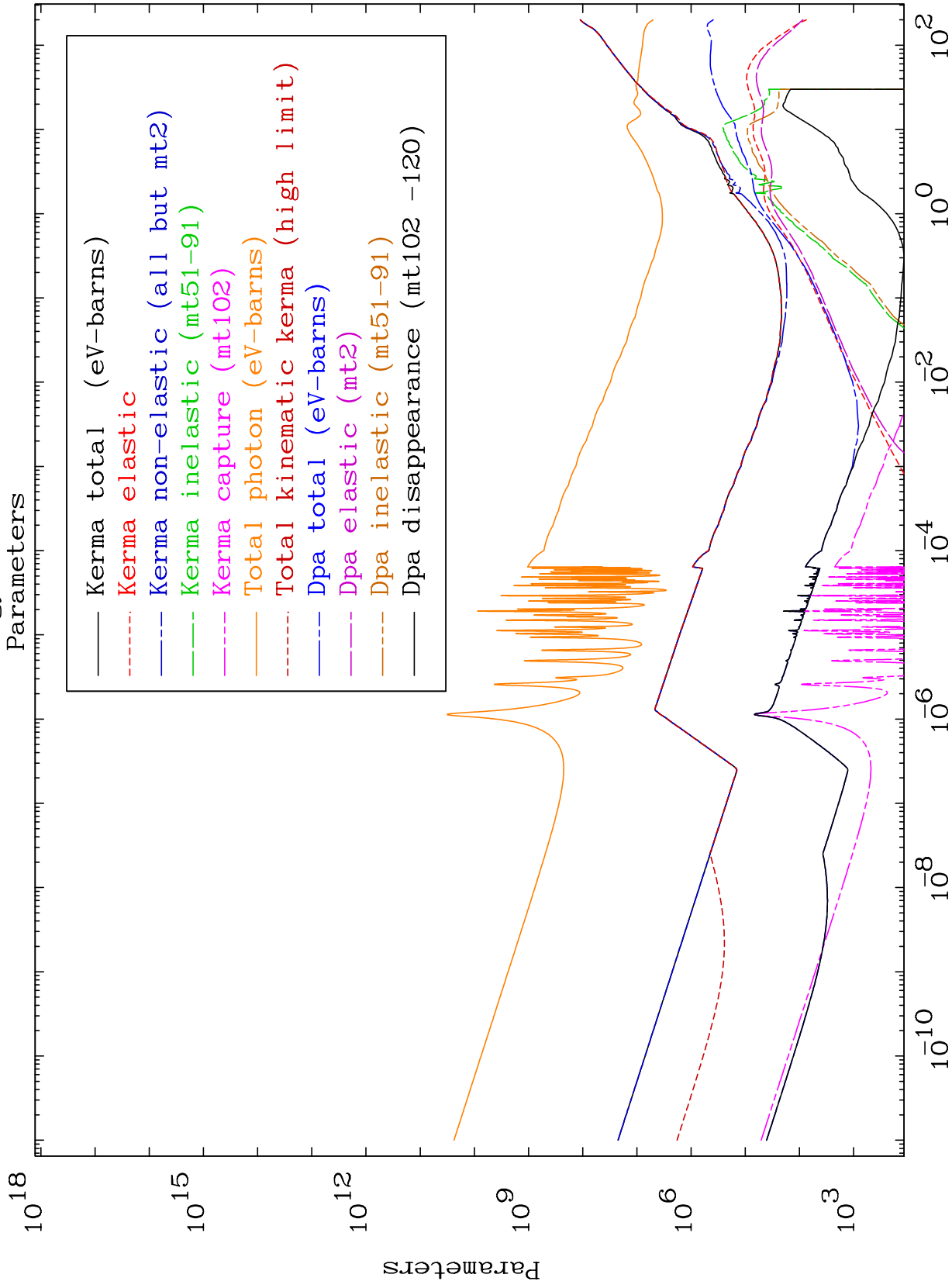
57-La-131



14

Incident Energy (MeV)

57-La-131

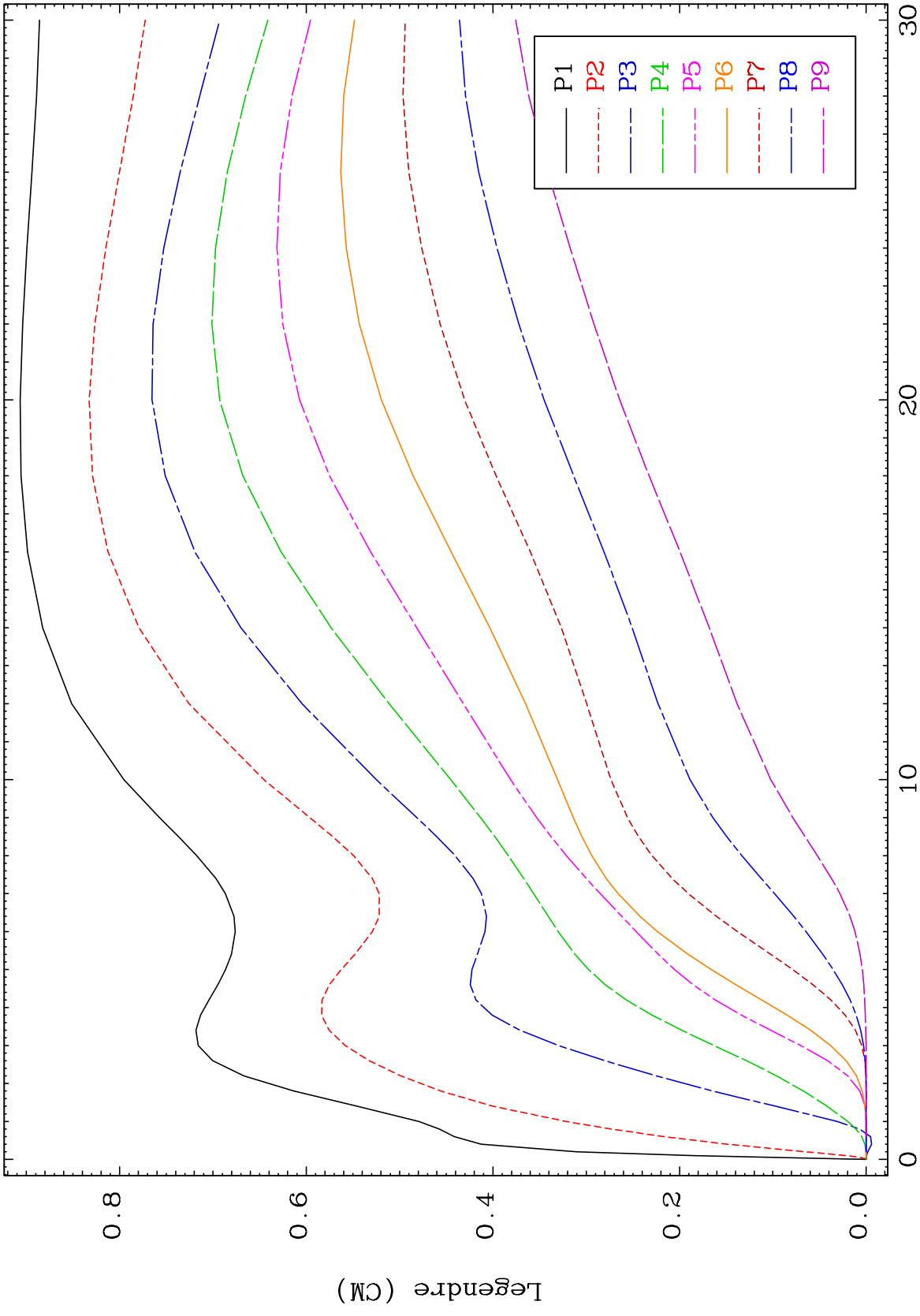




MAT 5704

Elastic Legendre Coefficients

57-La-131



16

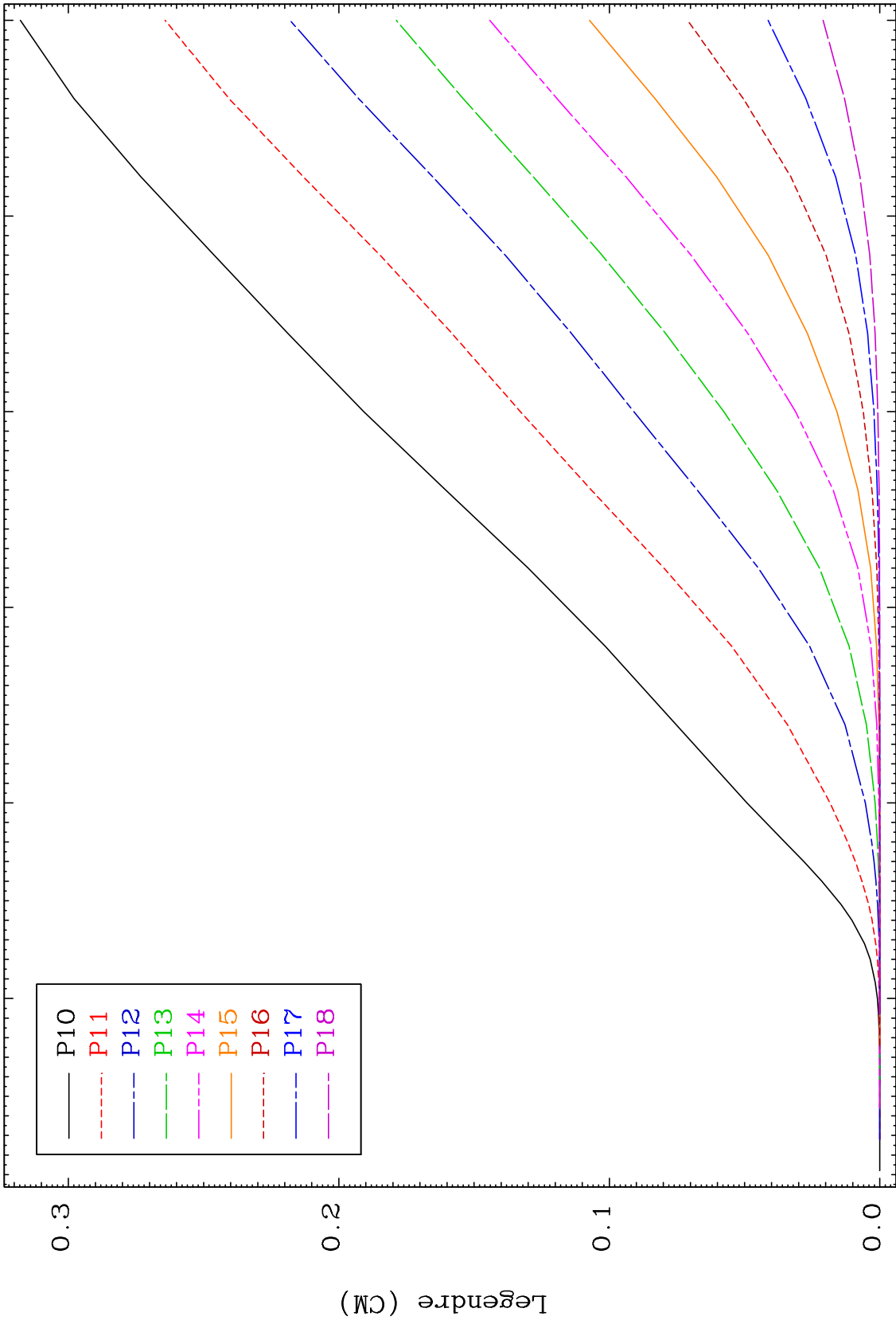
Incident Energy (MeV)

57-La-131

MAT 5704

Elastic Legendre Coefficients

57-La-131



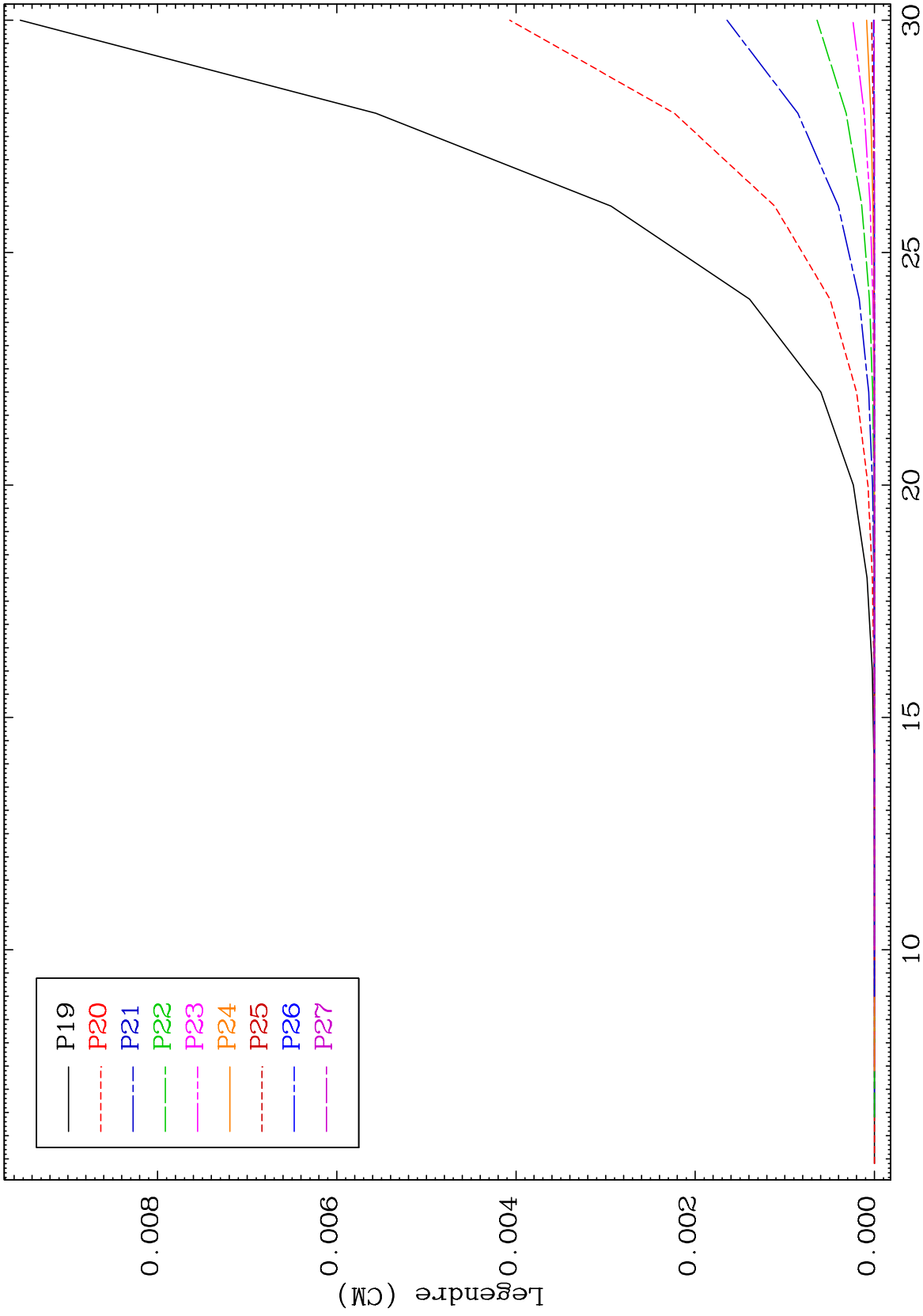
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57-La-131

MAT 5704

### Elastic Legendre Coefficients

57-La-131



18

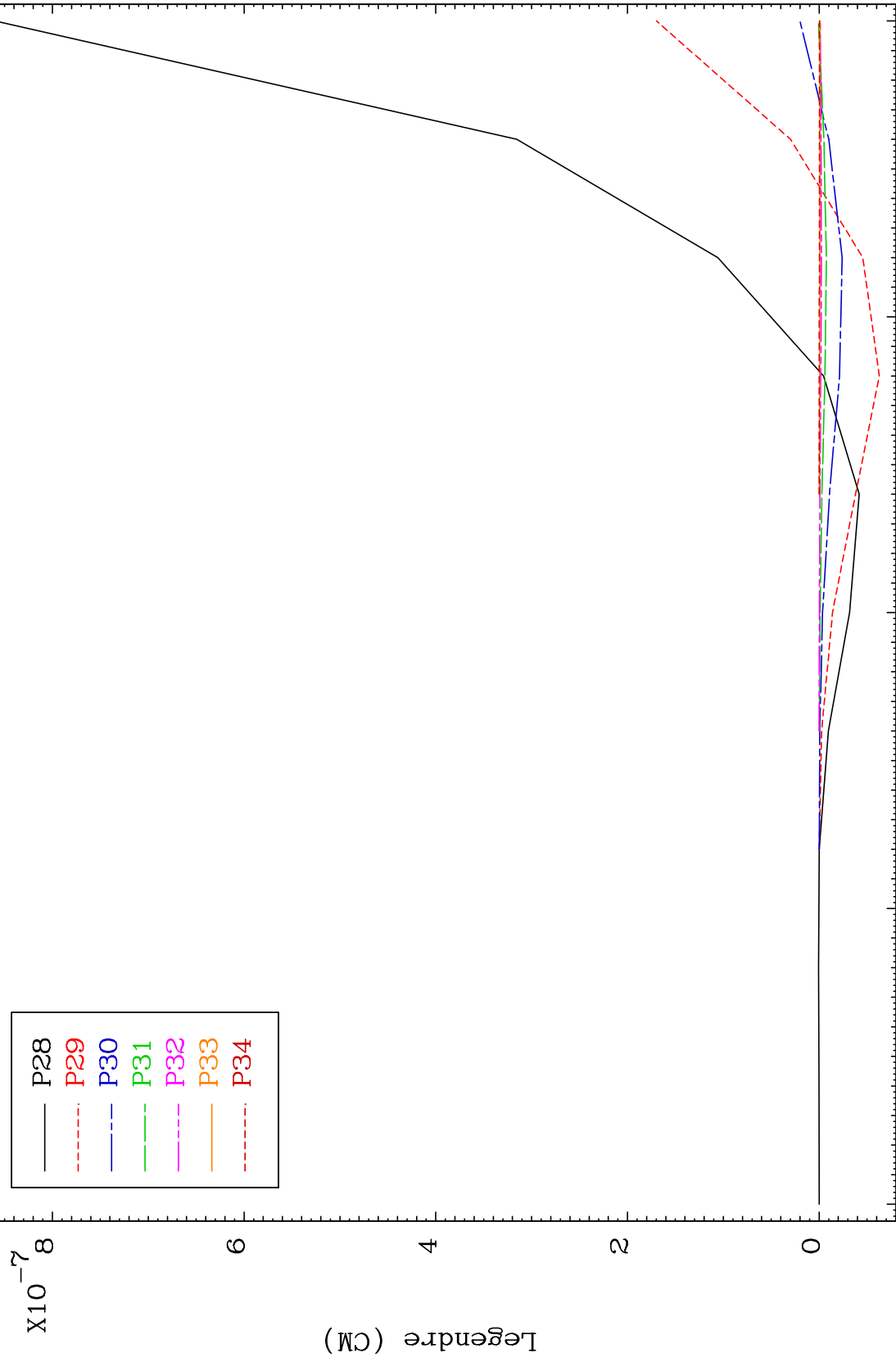
Incident Energy (MeV)

57-La-131

MAT 5704

Elastic Legendre Coefficients

57-La-131



19

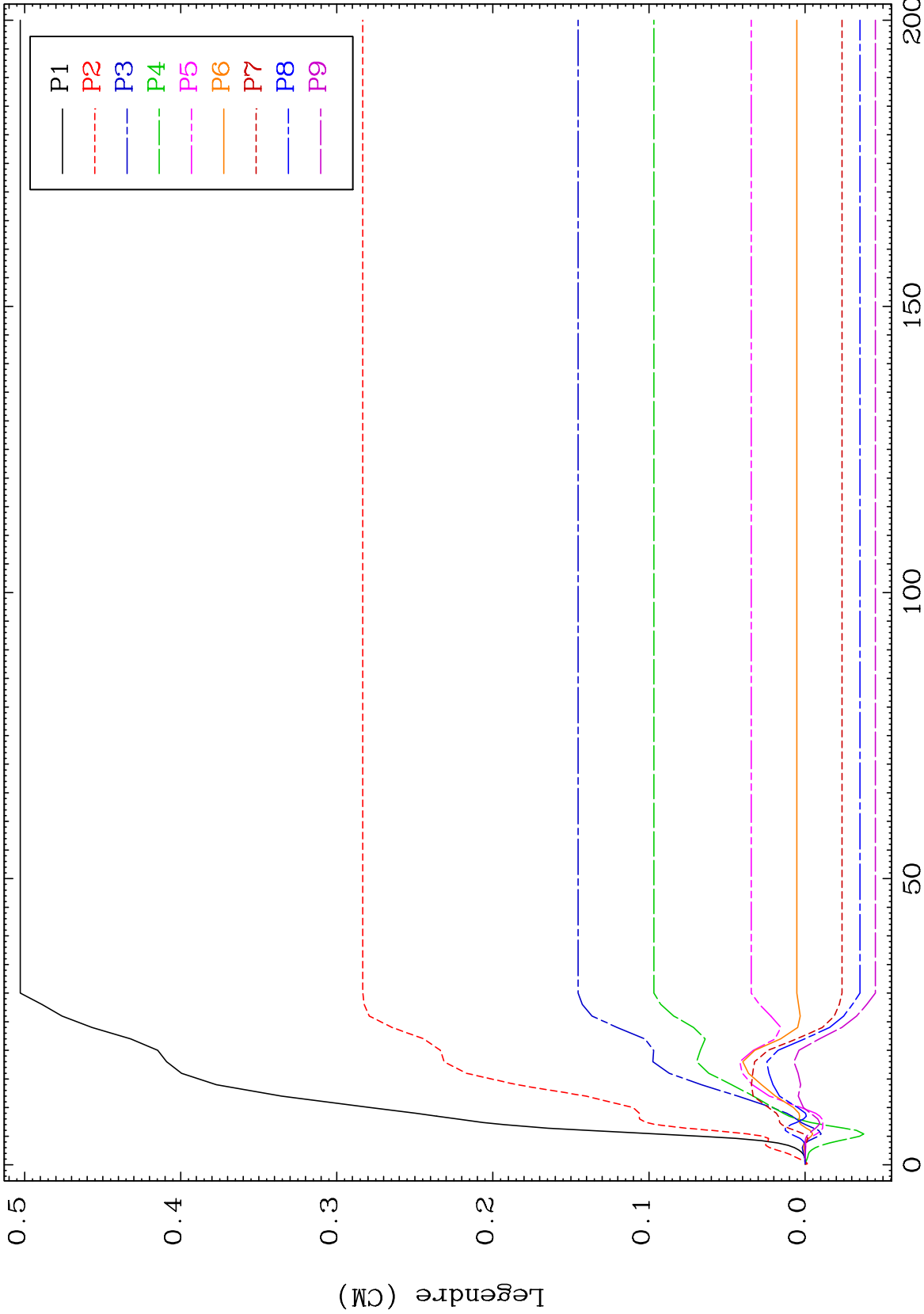
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



57-La-131

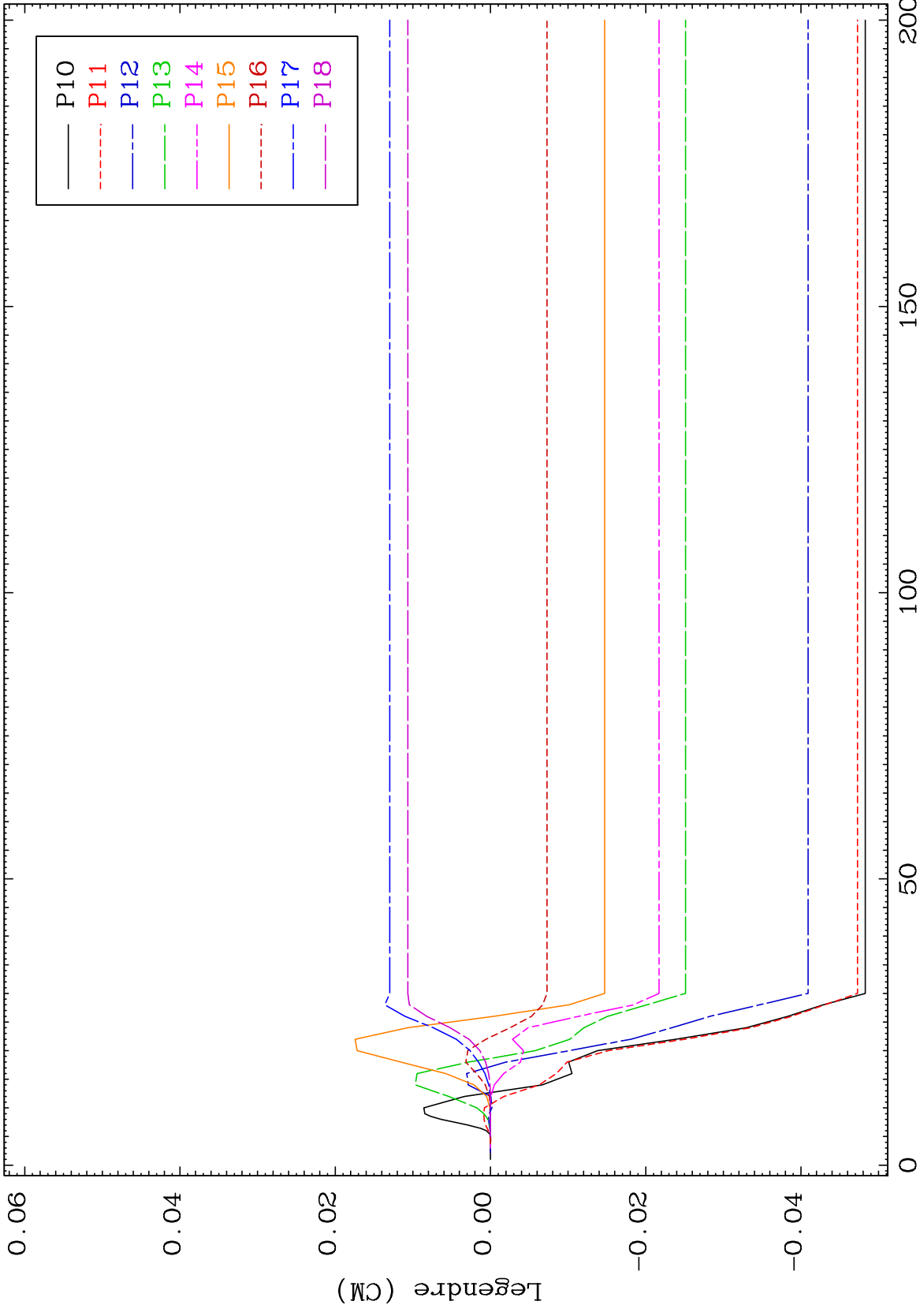
Incident Energy (MeV)

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MAT 5704

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

57-La-131



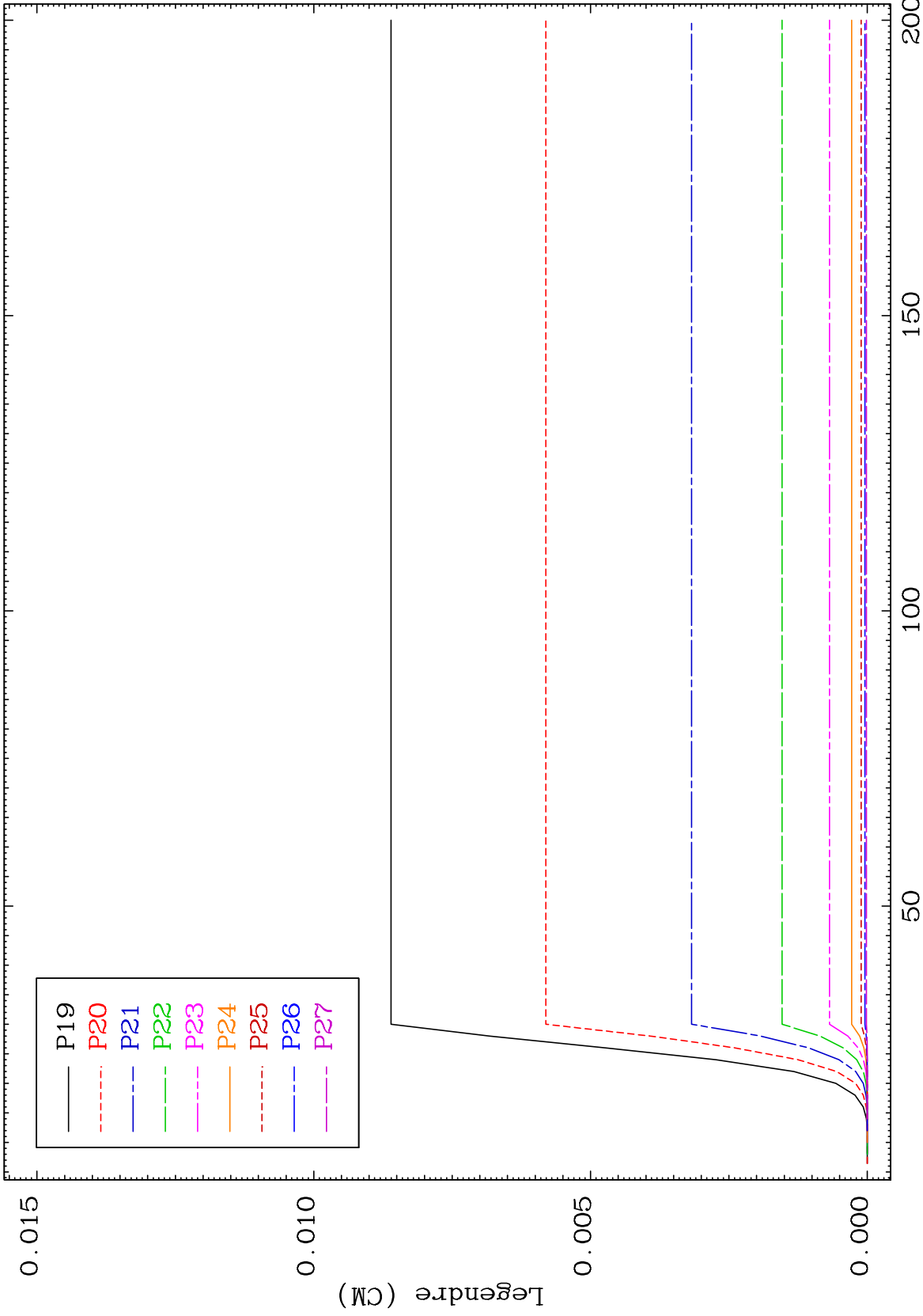
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57-La-131

MAT 5704

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

57-La-131



22

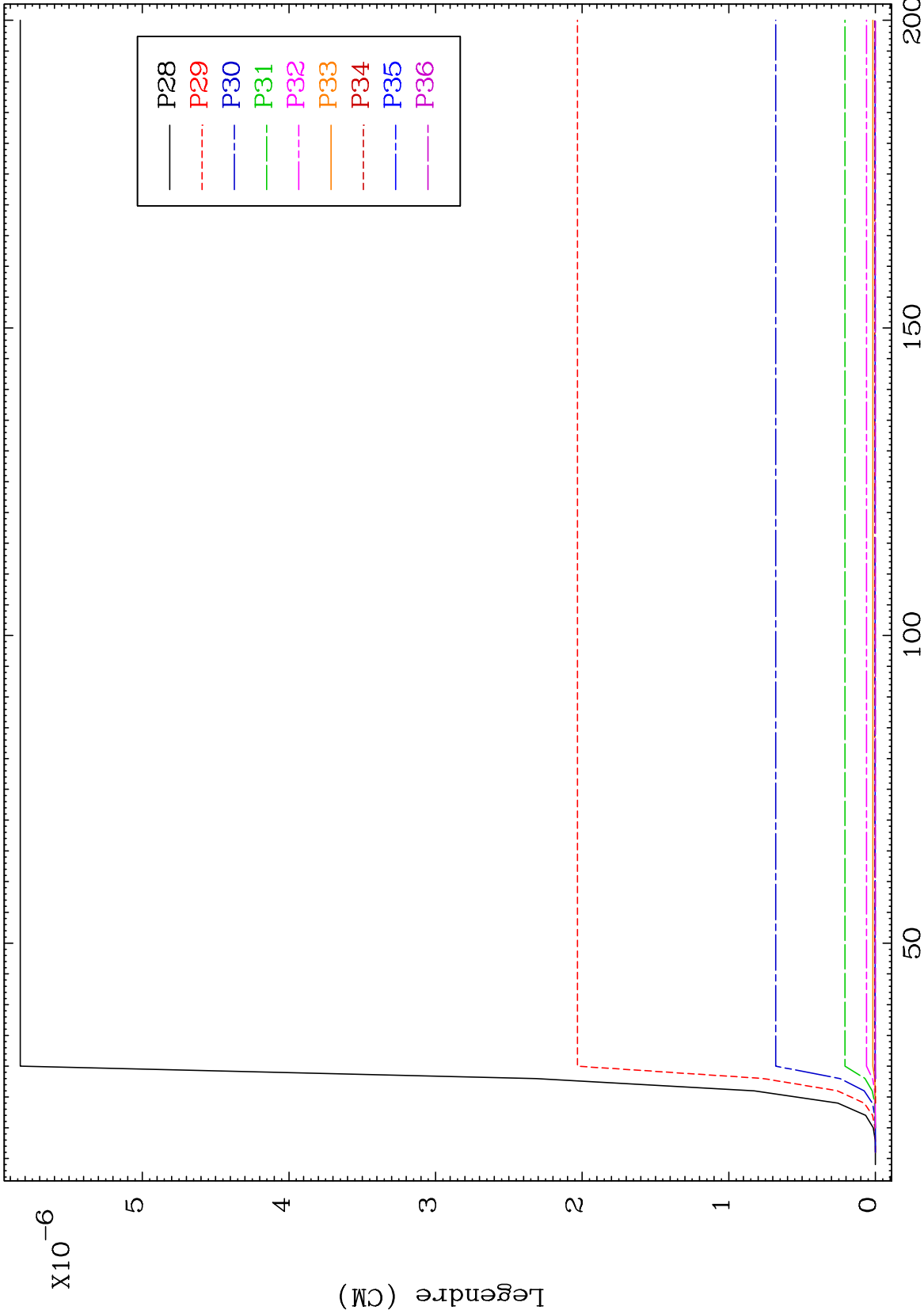
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



23

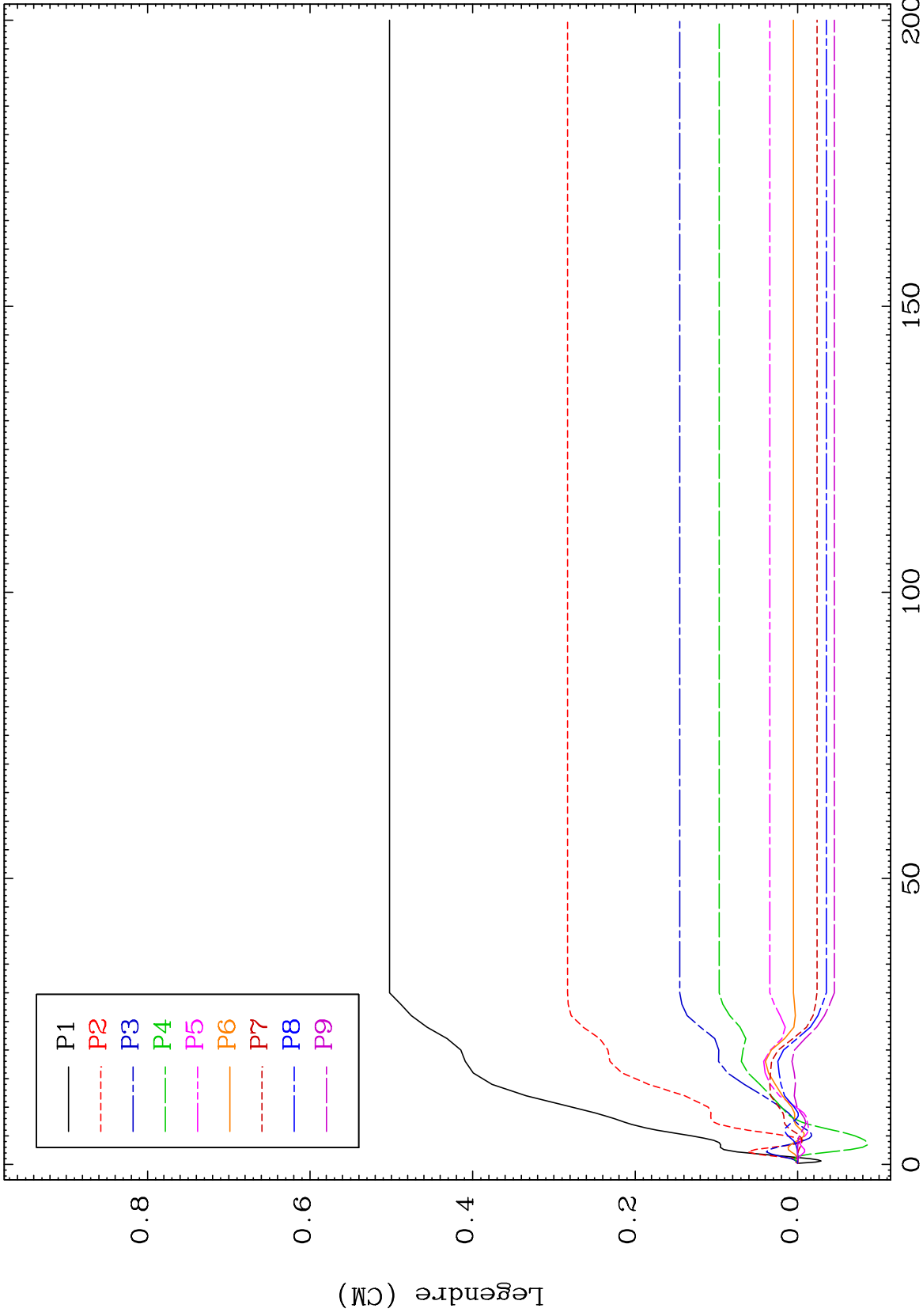
57-La-131



MAT 5704

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

57-La-131



24

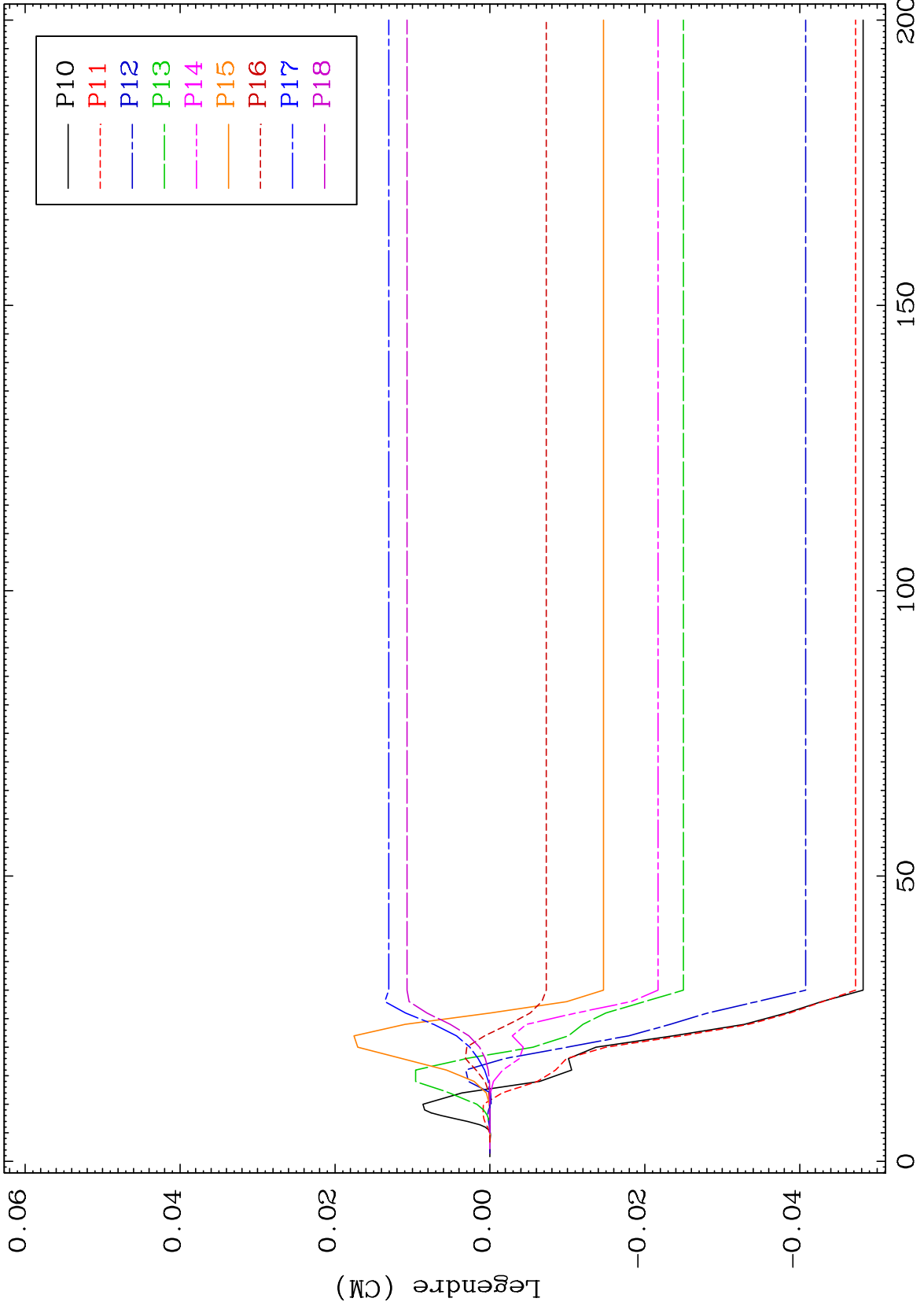
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



25

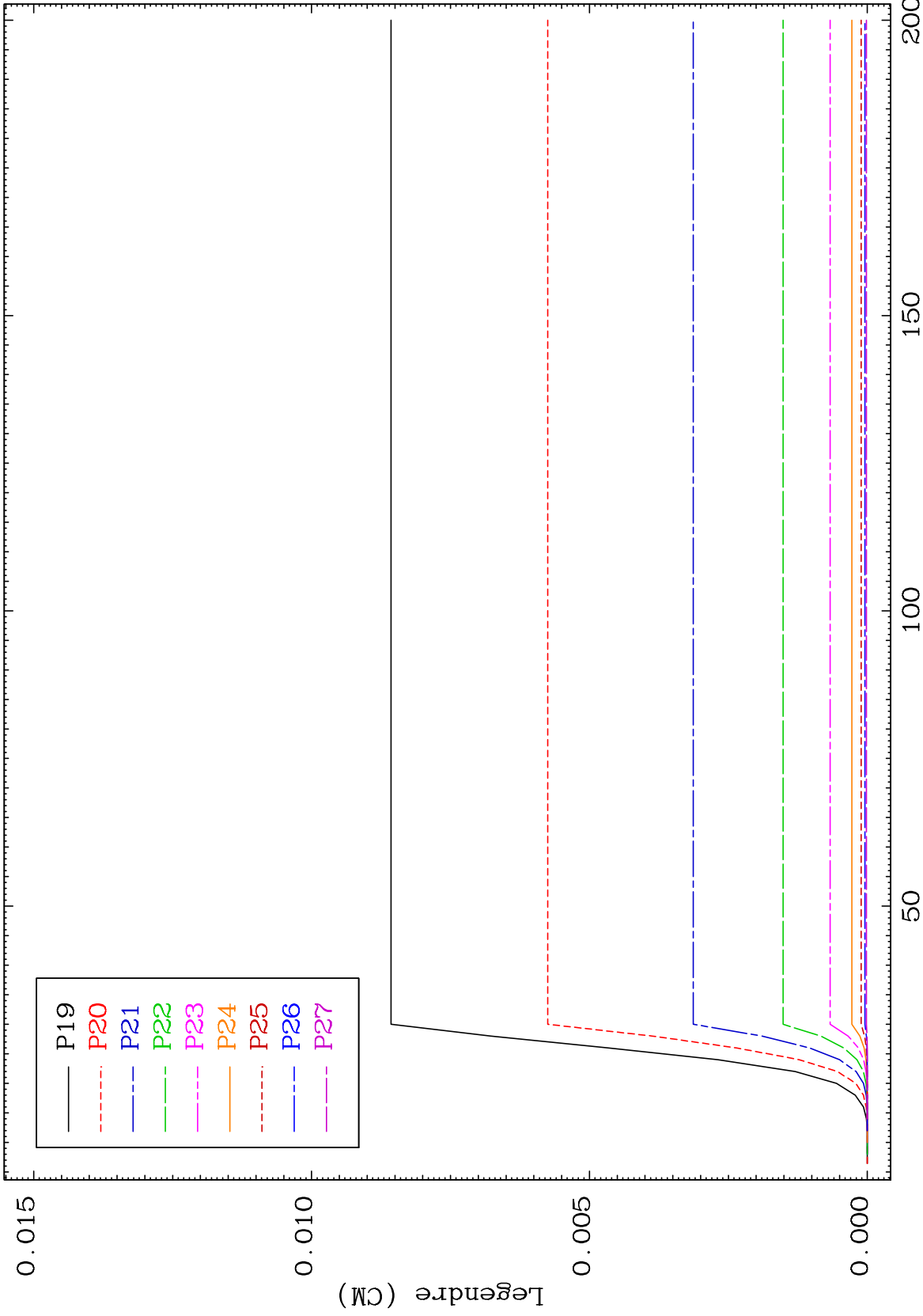
57-La-131

57-La-131

MAT 5704

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

57-La-131



26

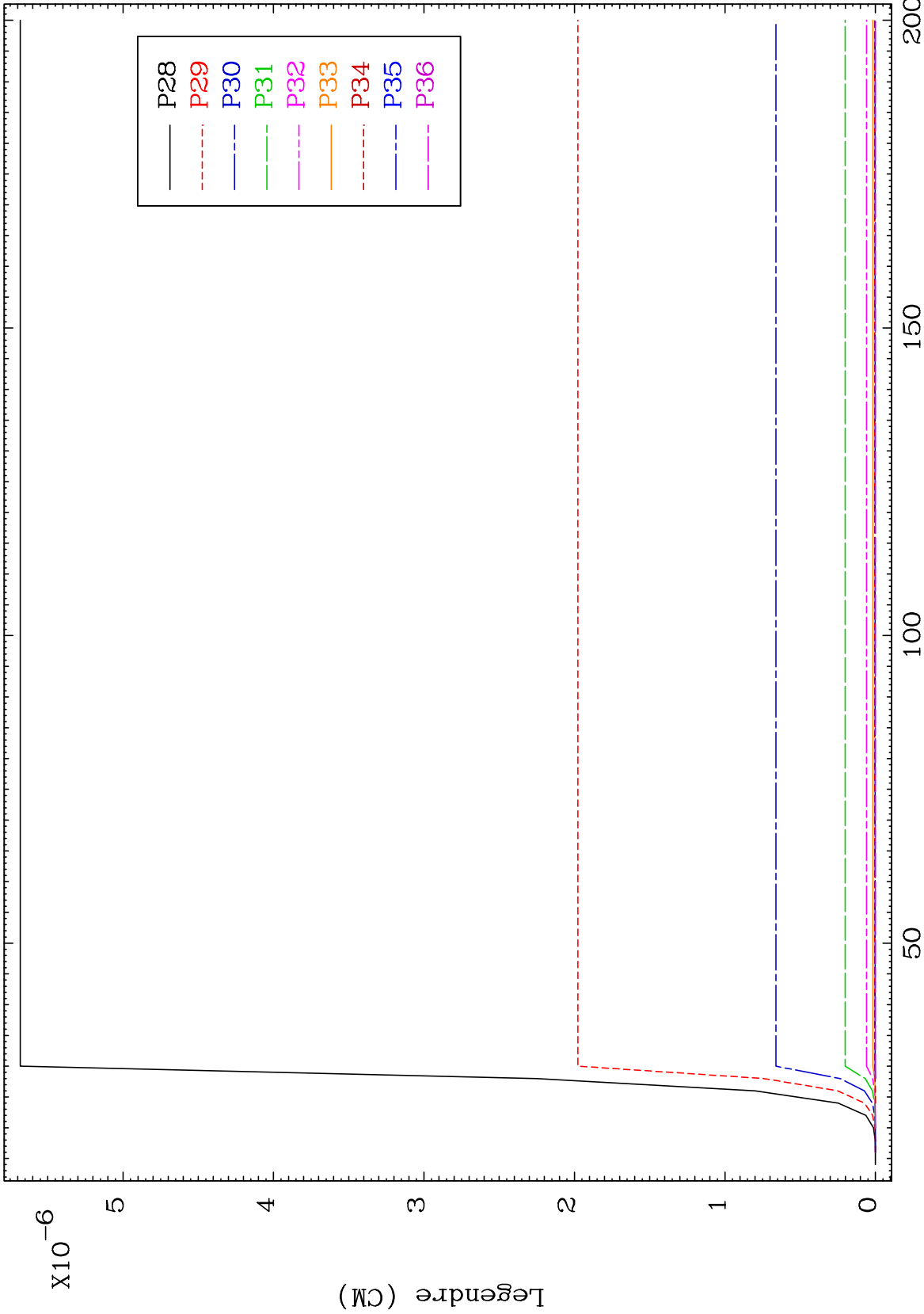
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



27

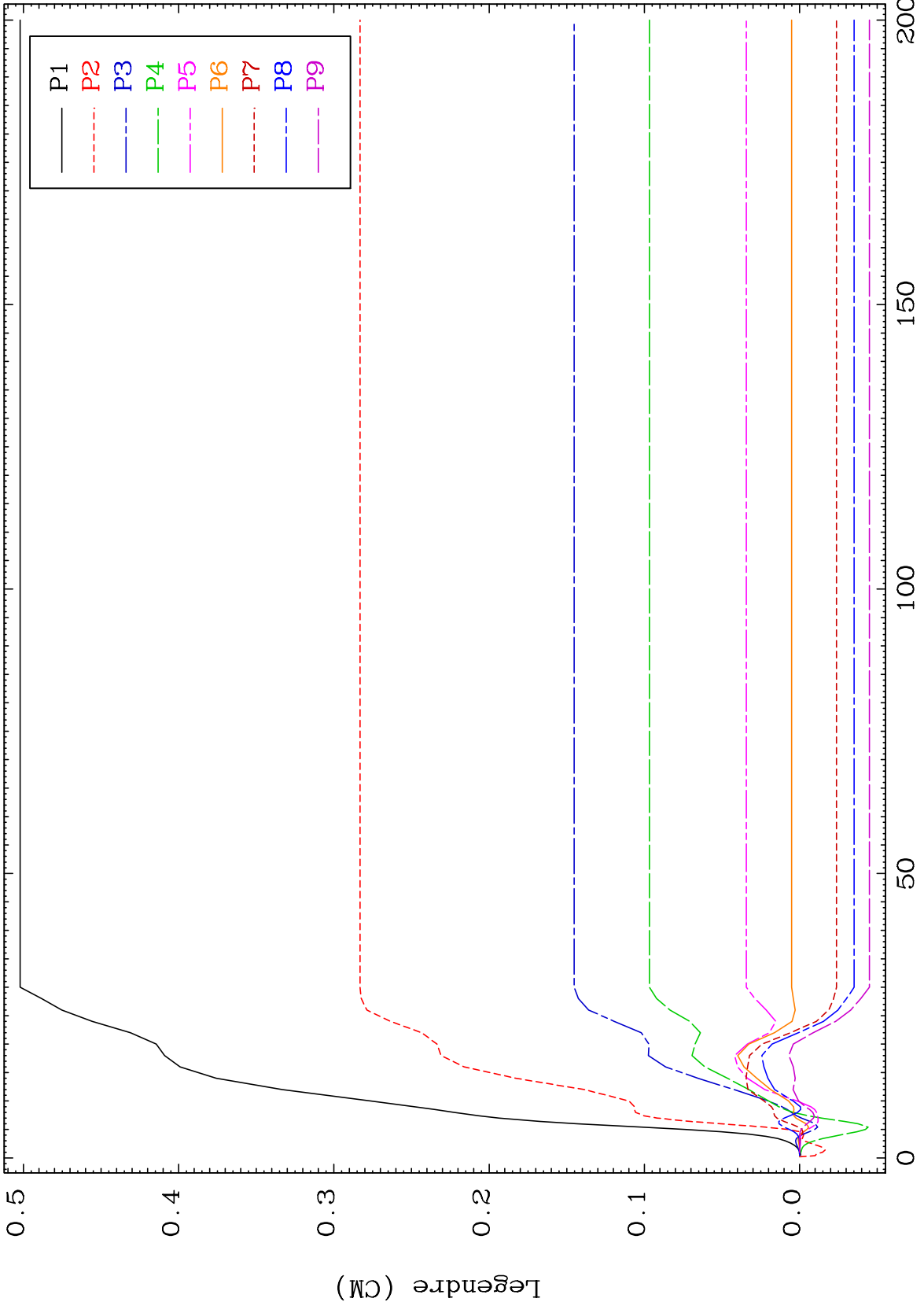
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



28

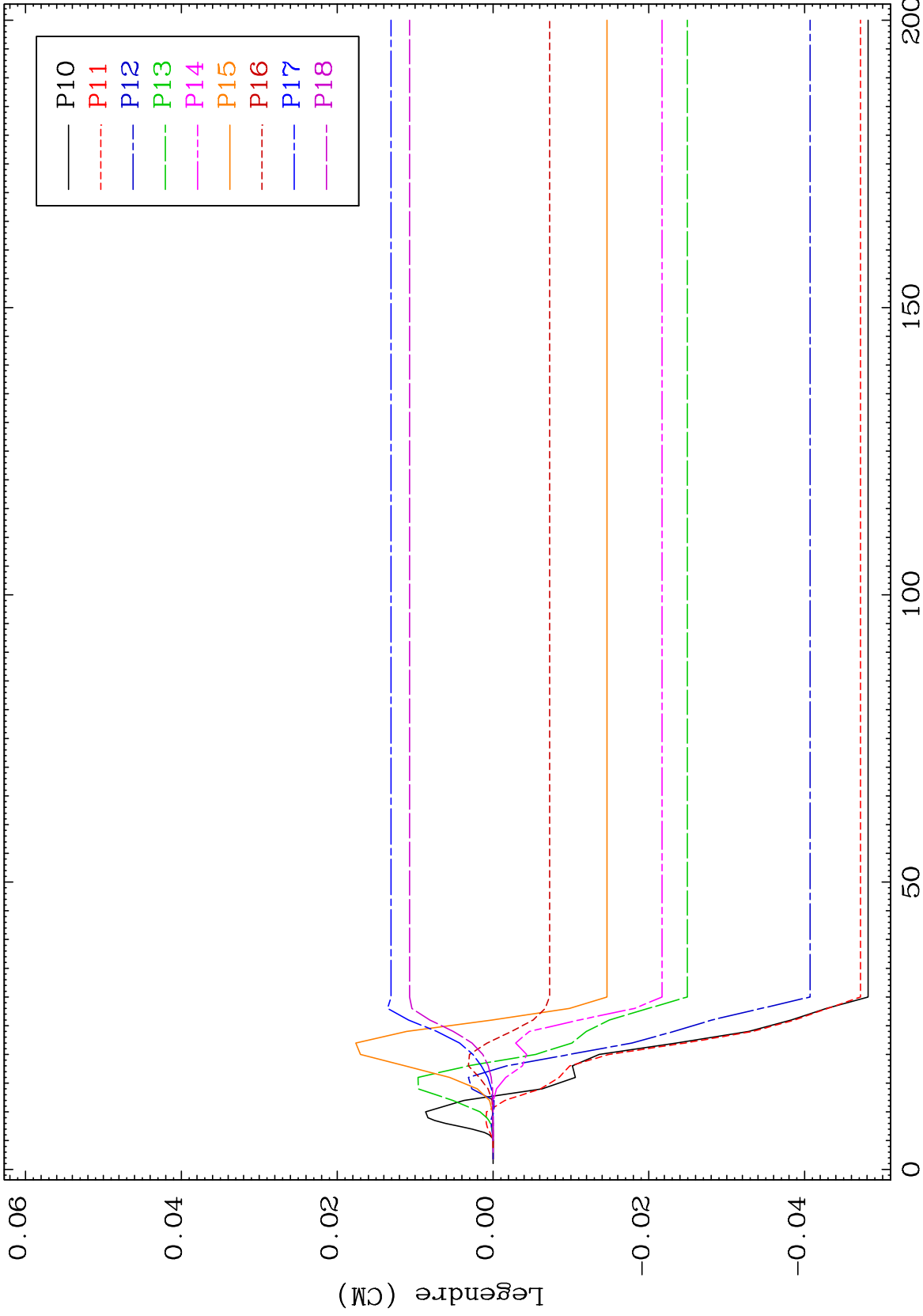
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



29

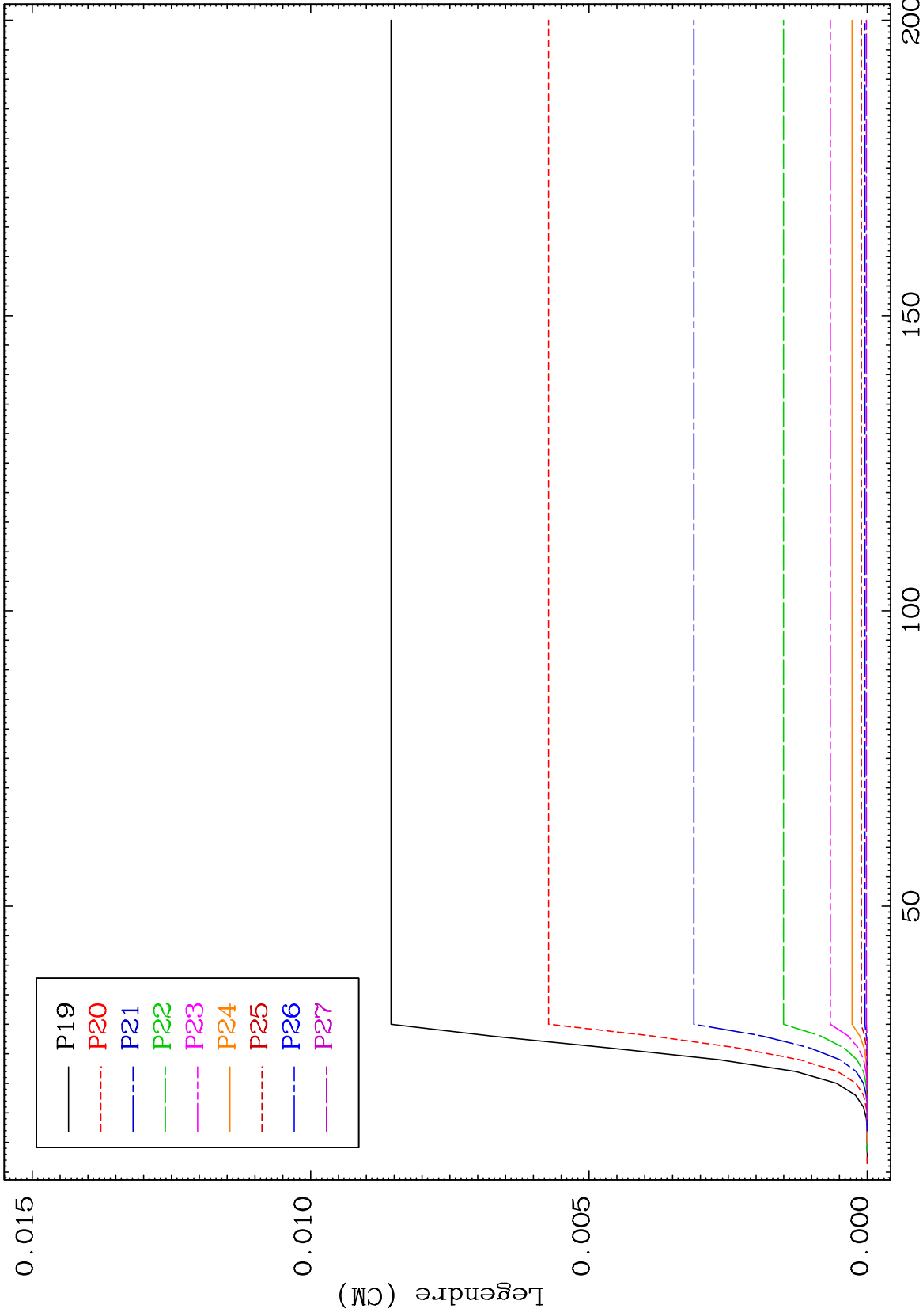
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



30

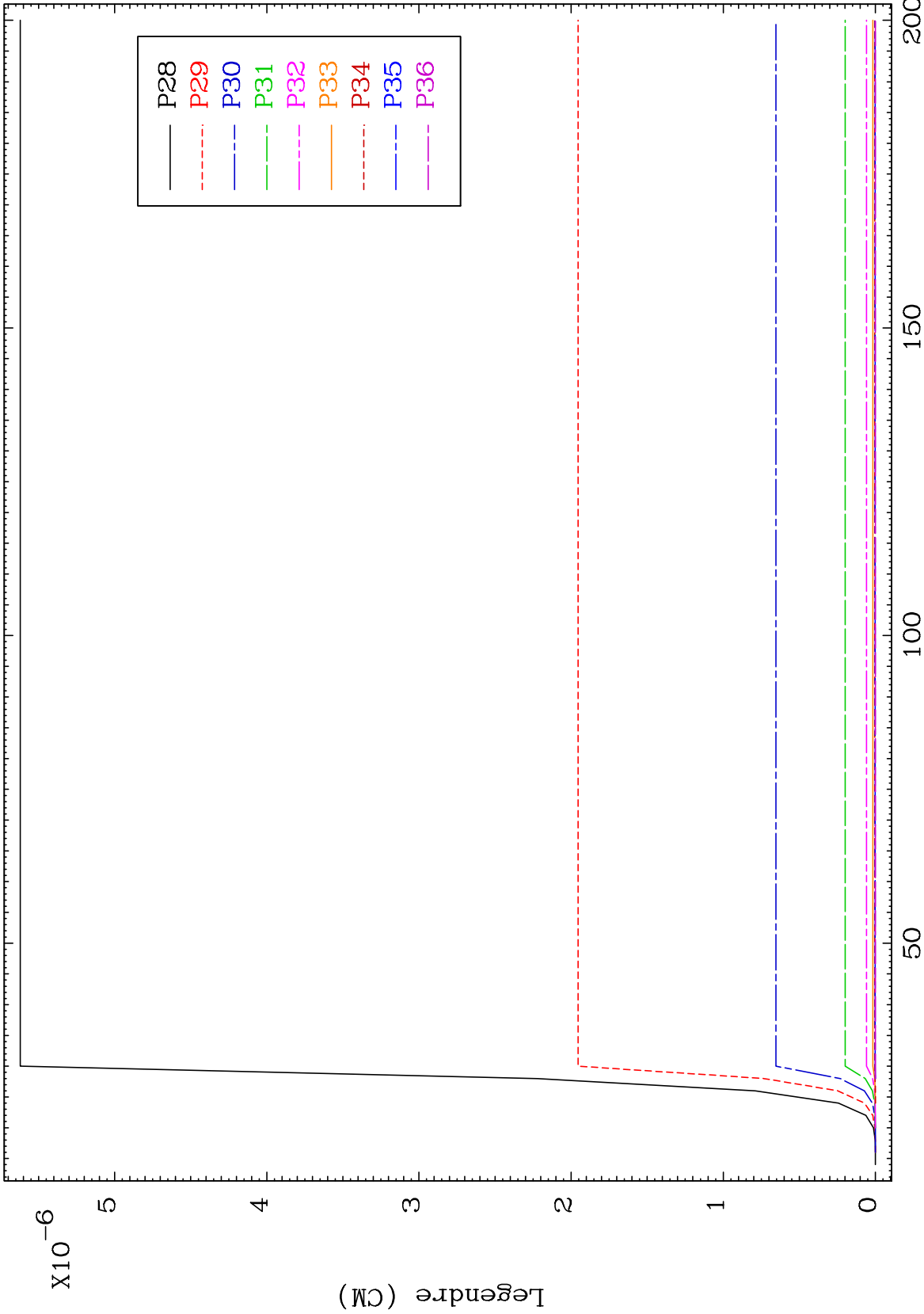
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



31

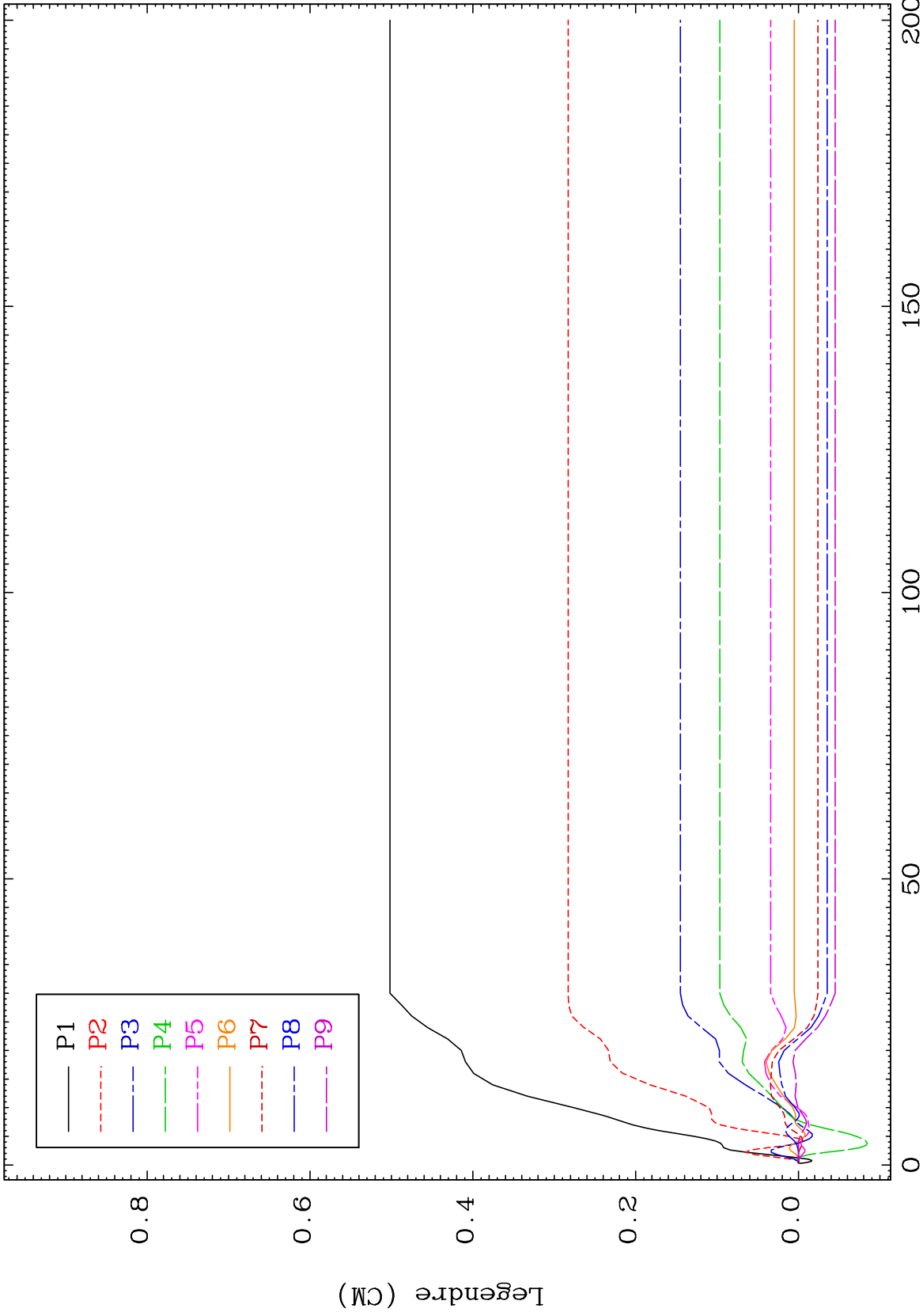
57-La-131



MAT 5704

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

57-La-131



32

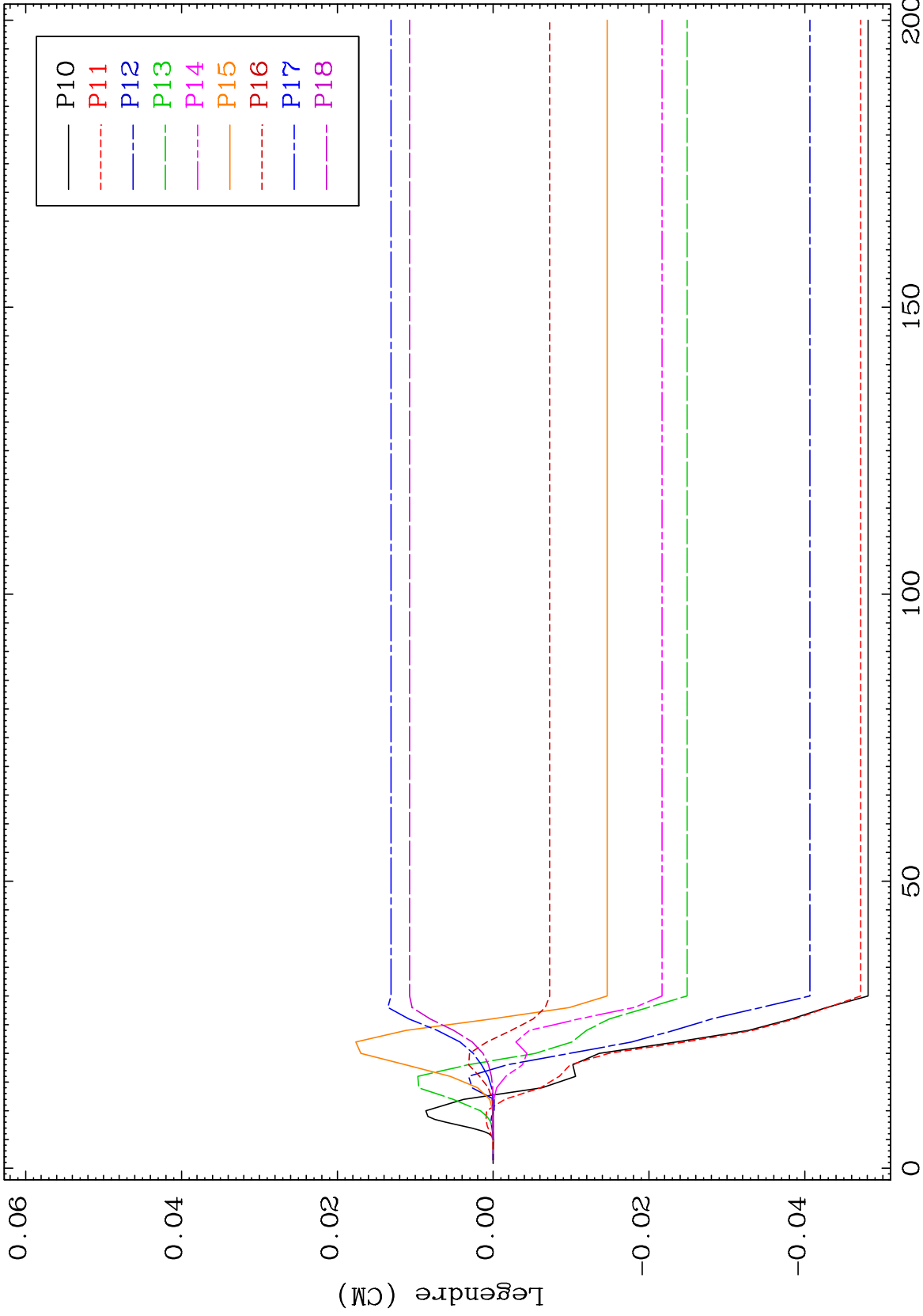
Incident Energy (MeV)

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MAT 5704

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

57-La-131



33

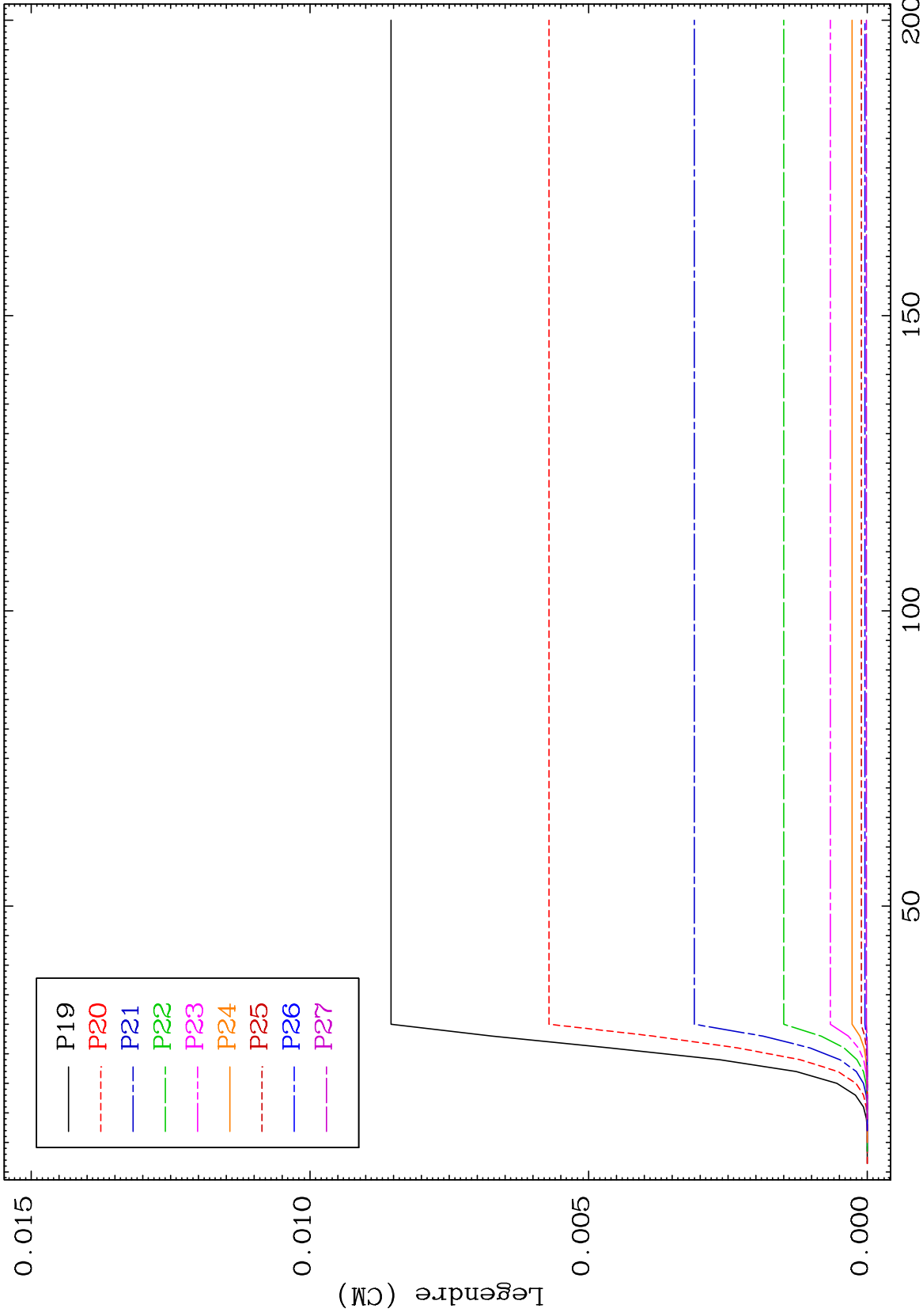
Incident Energy (MeV)

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MAT 5704

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

57-La-131



34

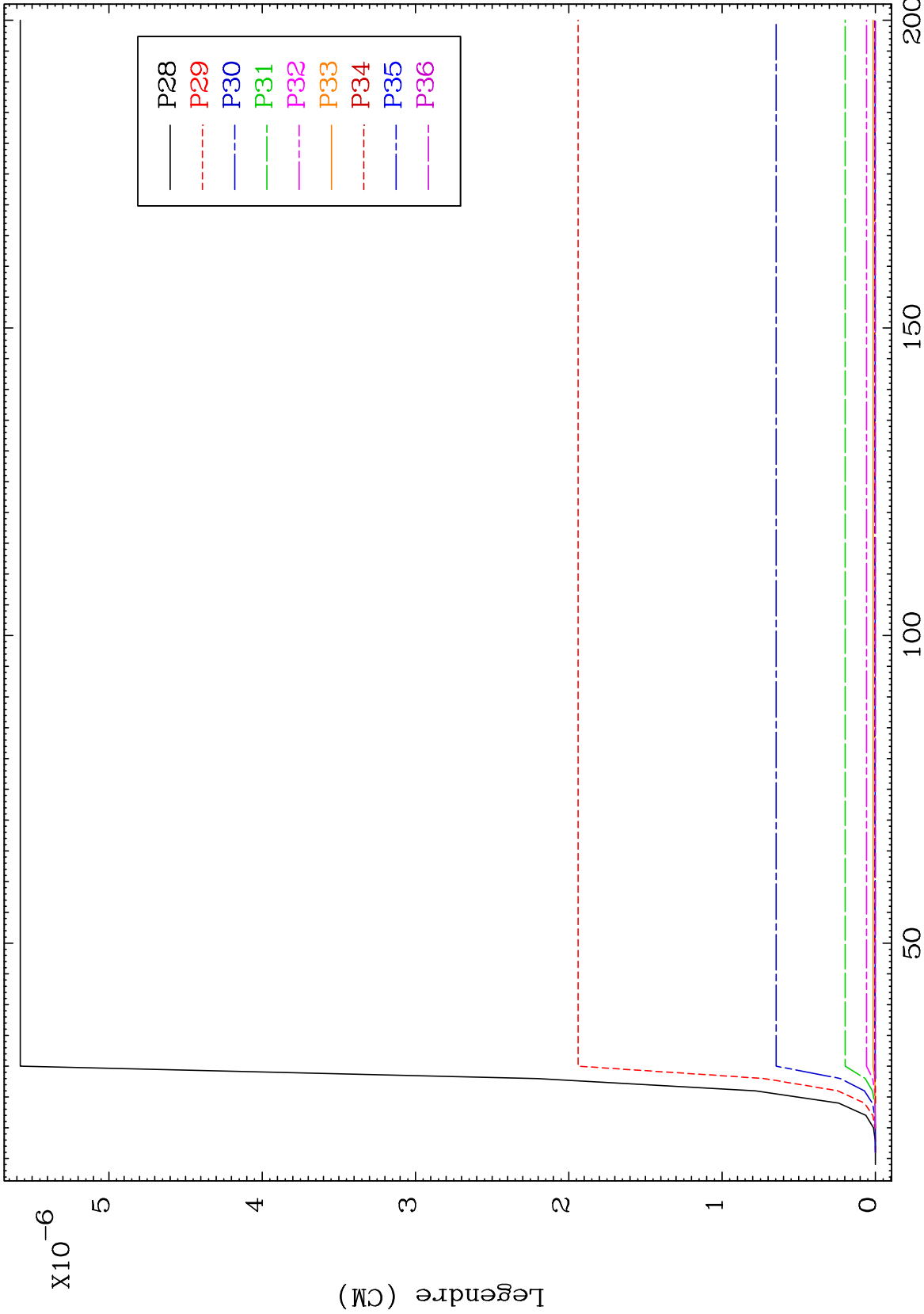
Incident Energy (MeV)

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MAT 5704

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

57-La-131



35

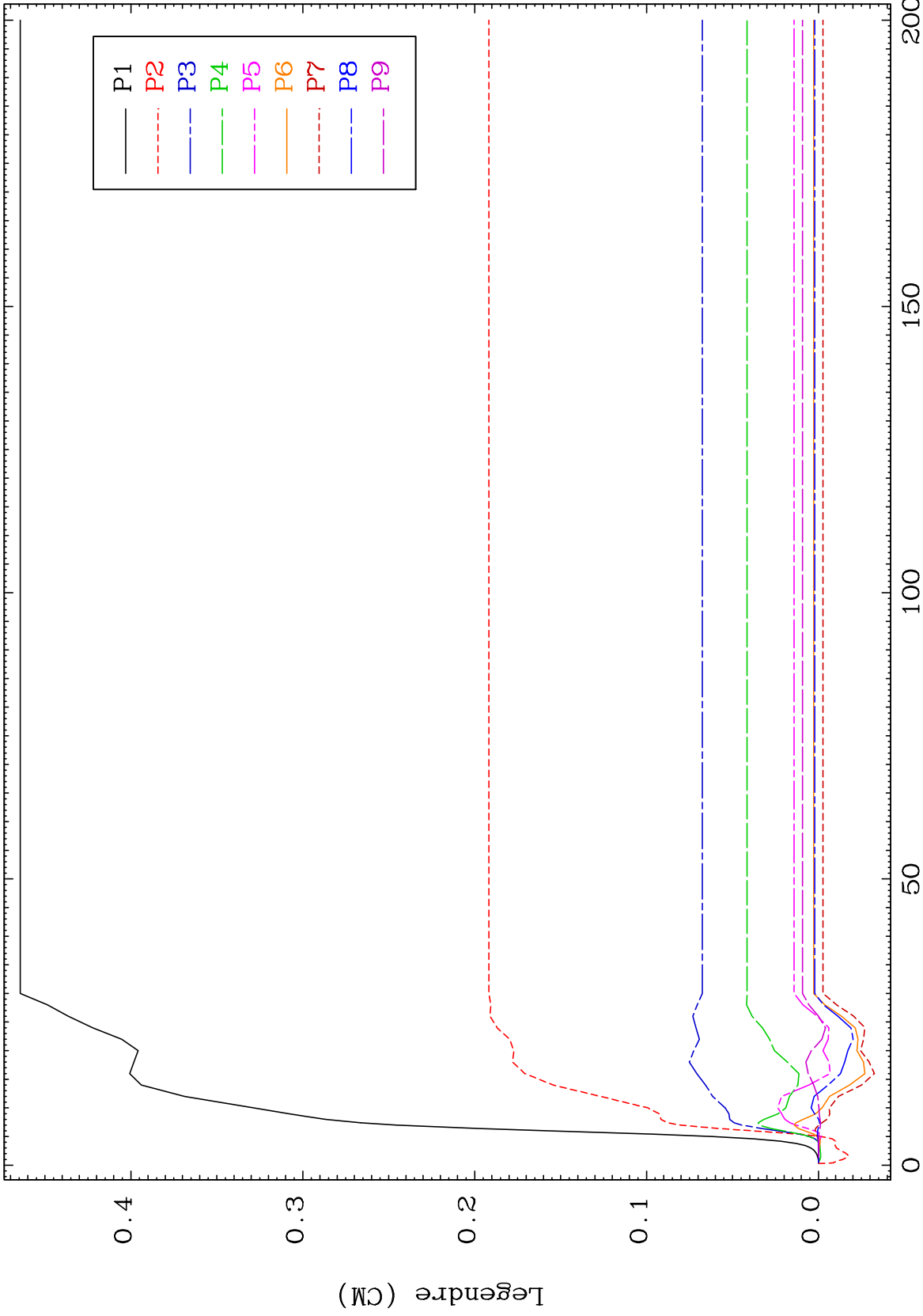
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



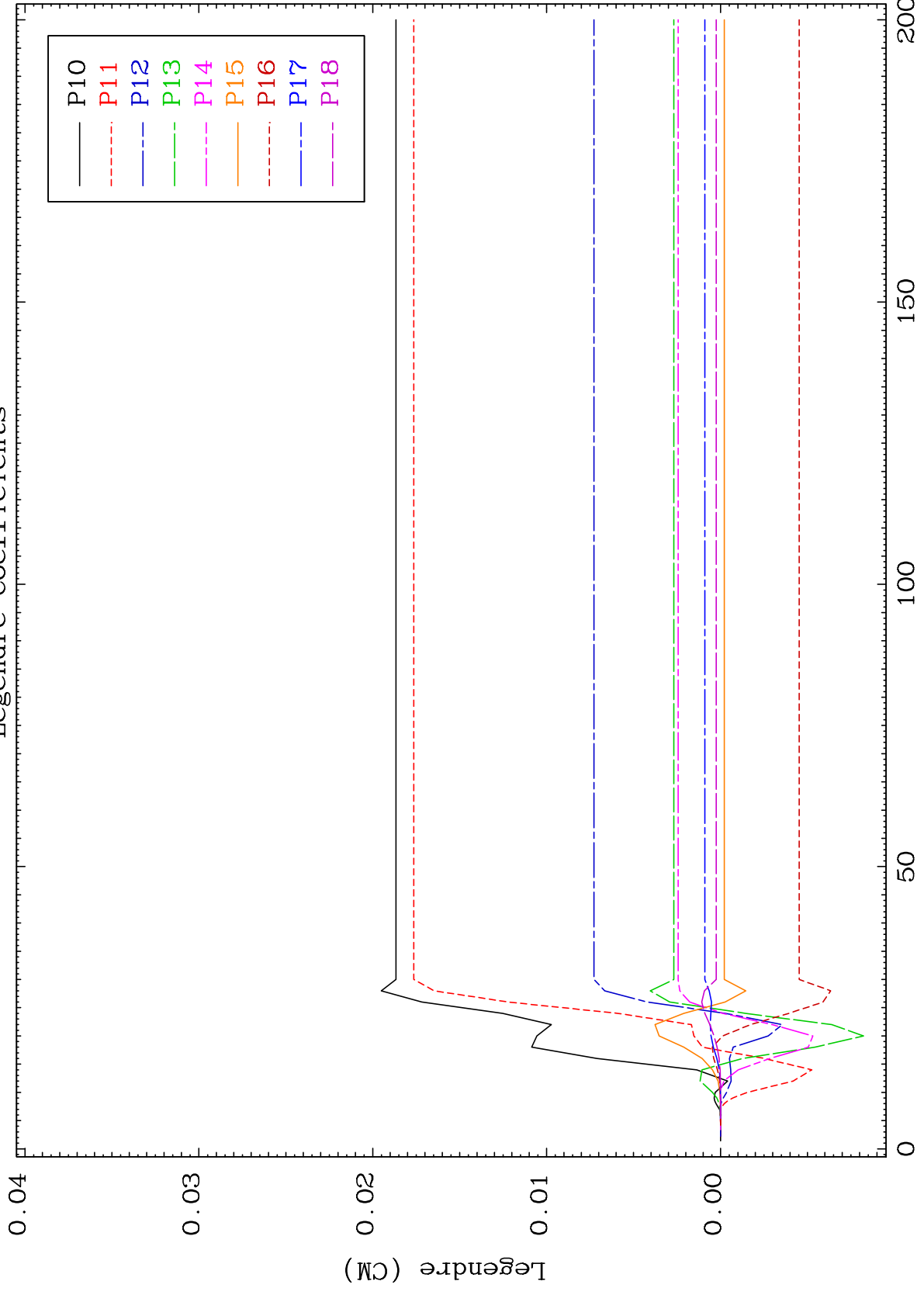
36

57-La-131

MAT 5704

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

57-La-131



37

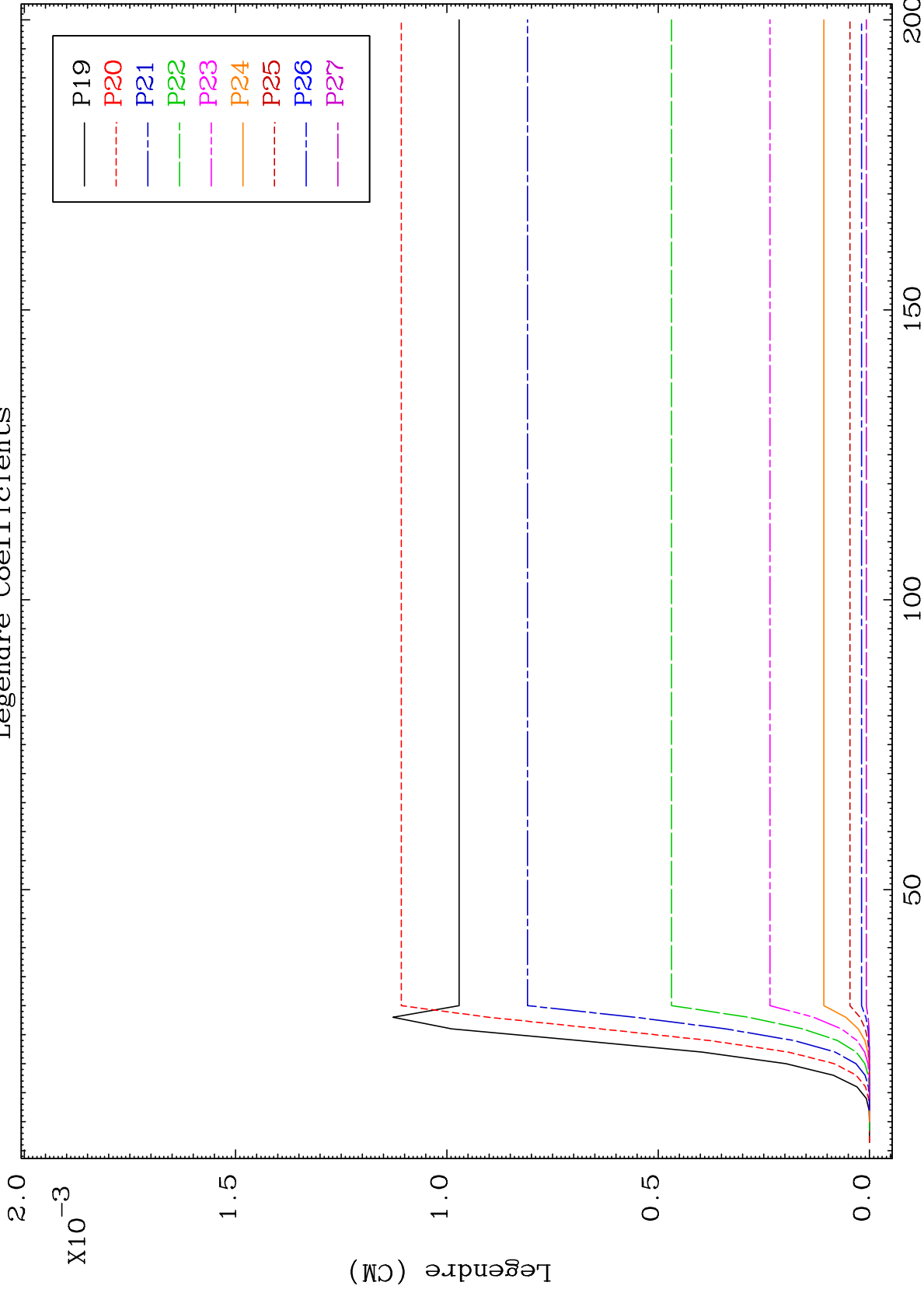
Incident Energy (MeV)

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MAT 5704

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

57-La-131



38

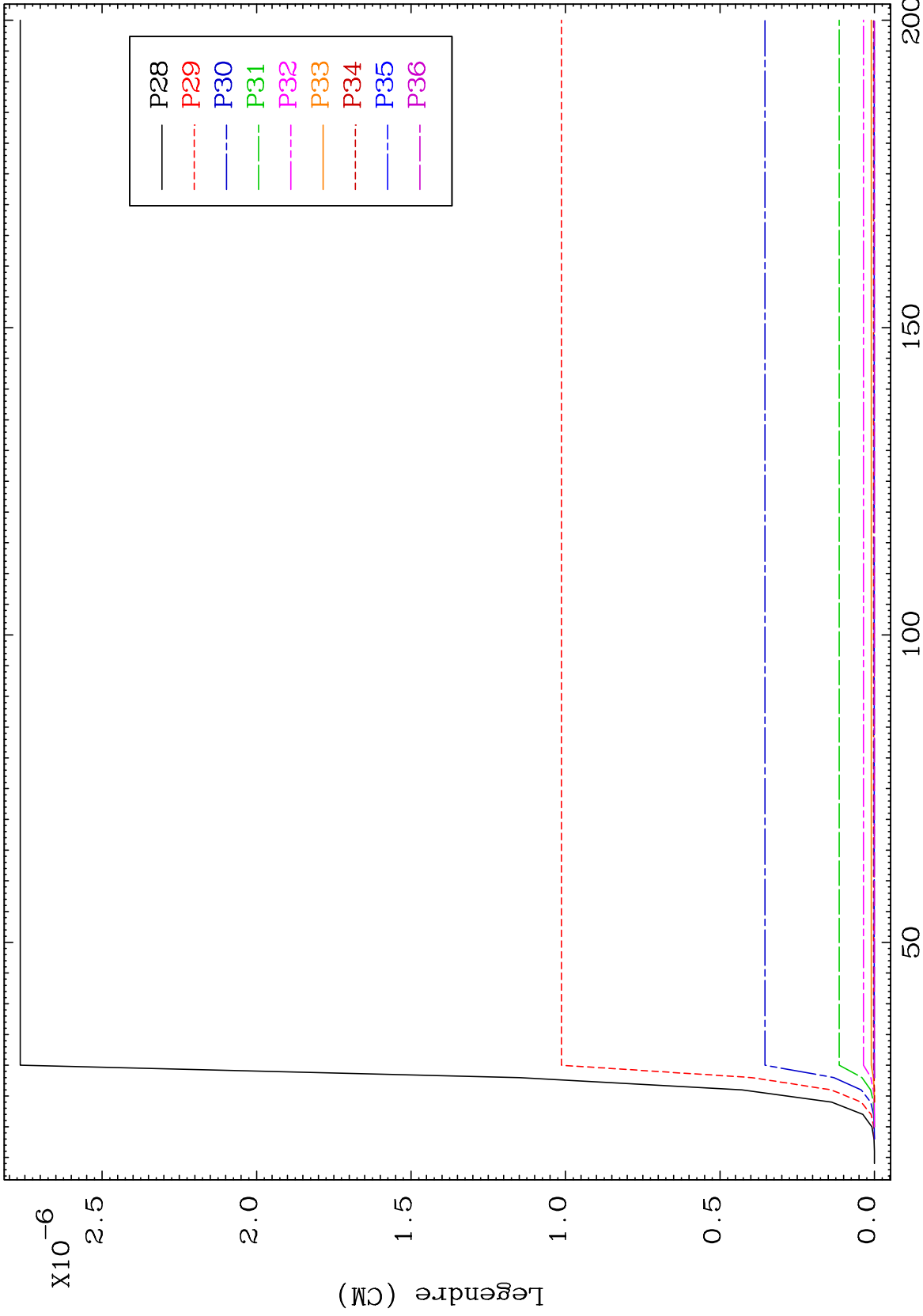
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



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Incident Energy (MeV)

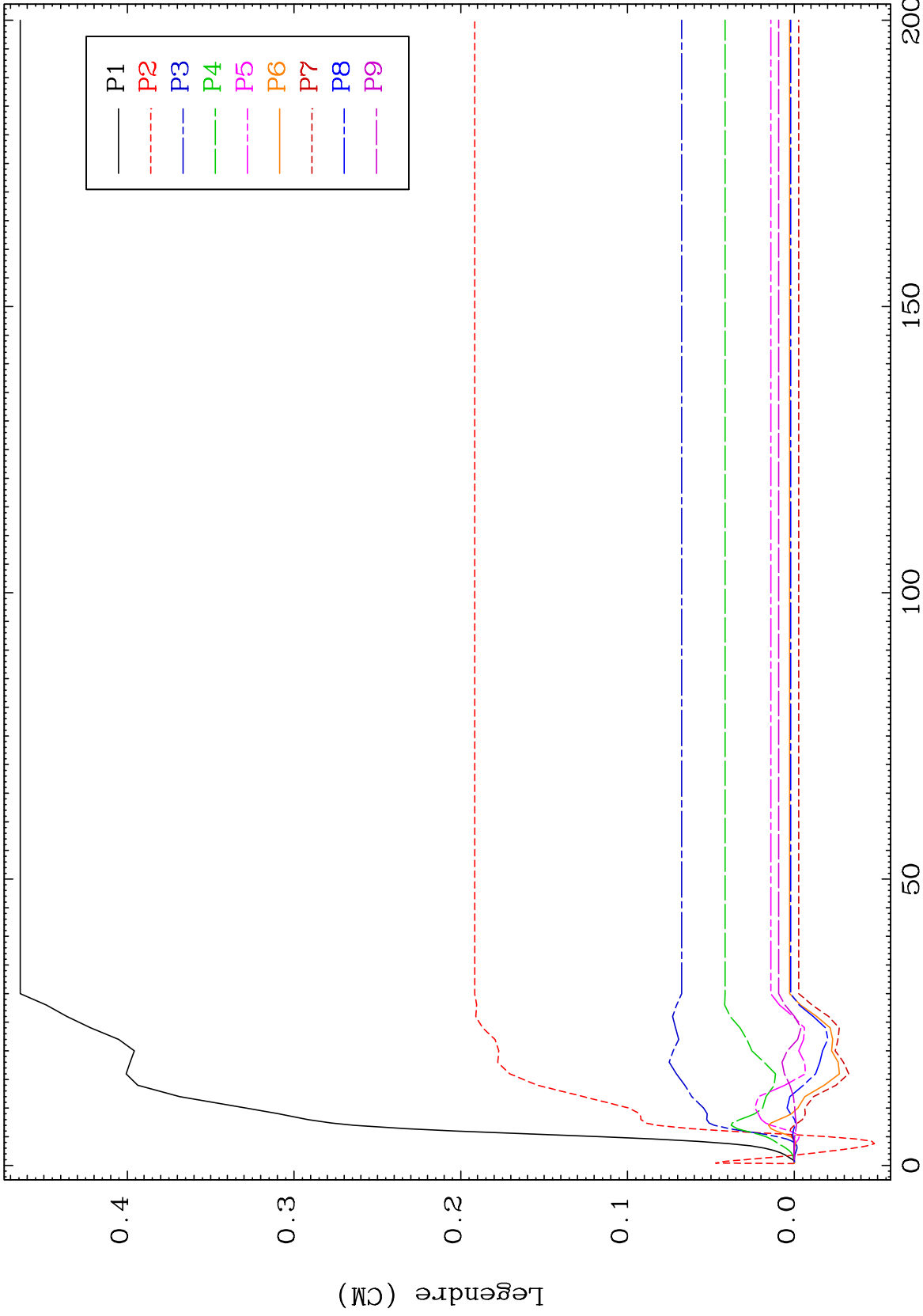
57-La-131



MAT 5704

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

57-La-131

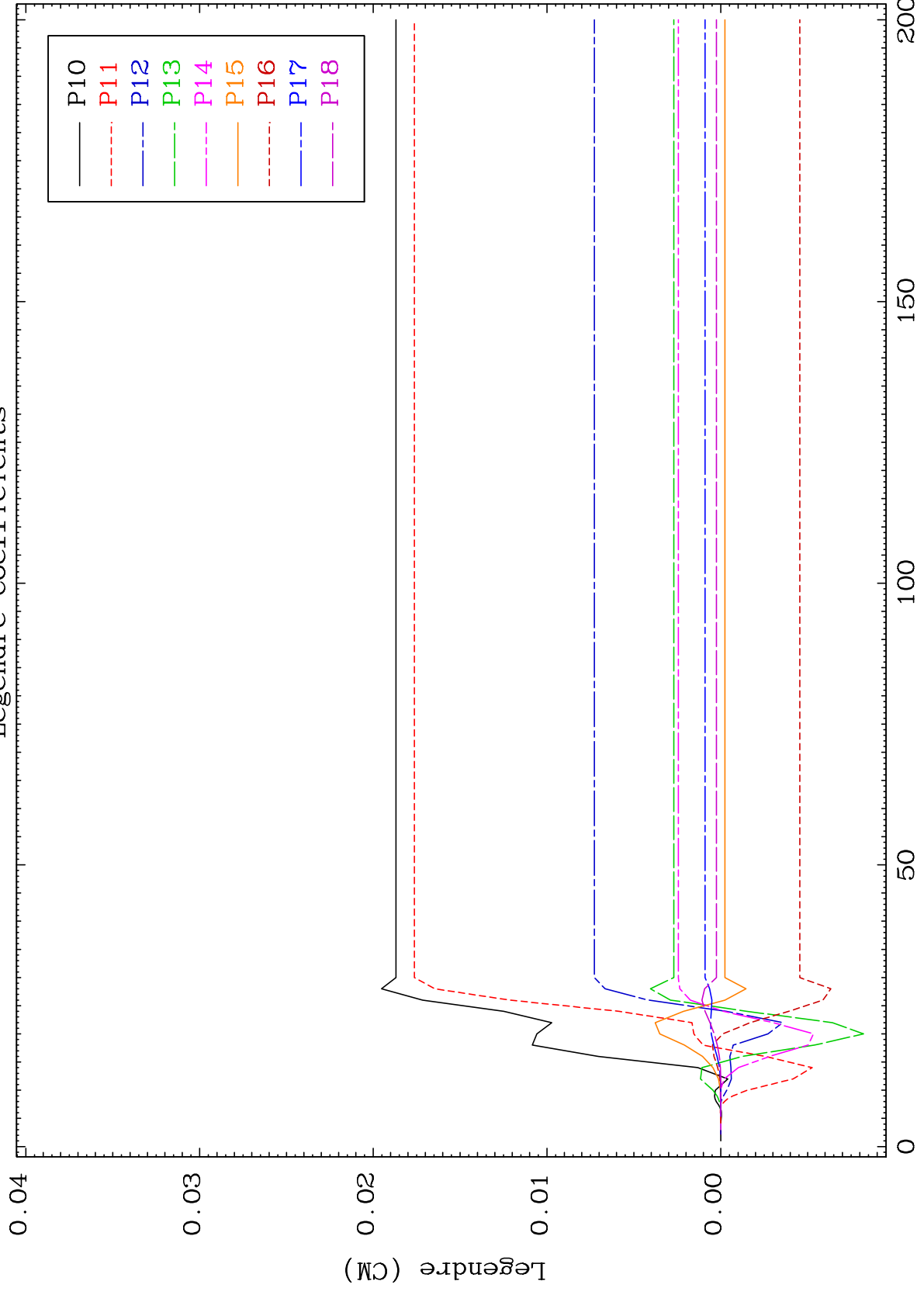


57-La-131

MAT 5704

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

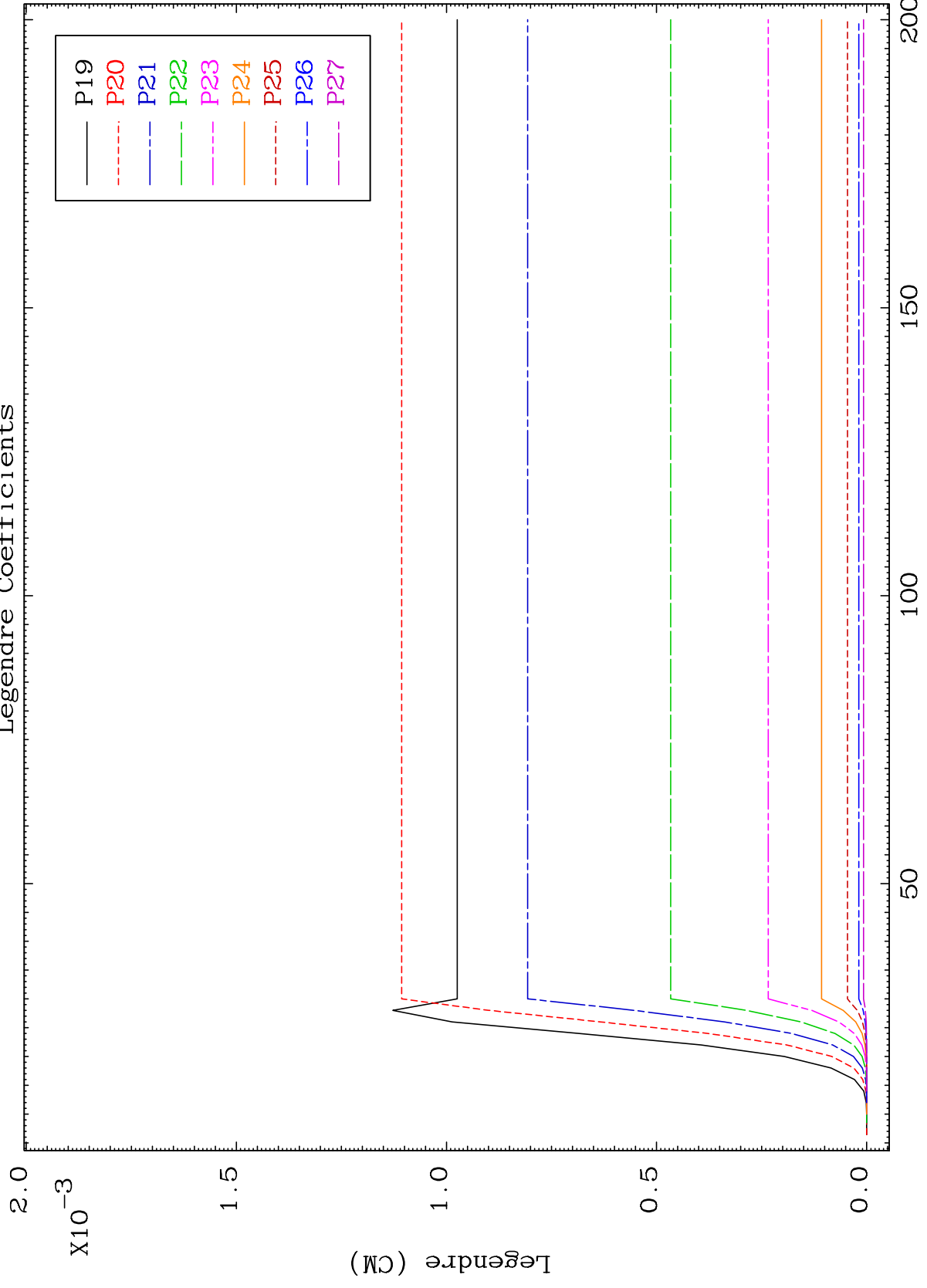
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MAT 5704

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

57-La-131



42

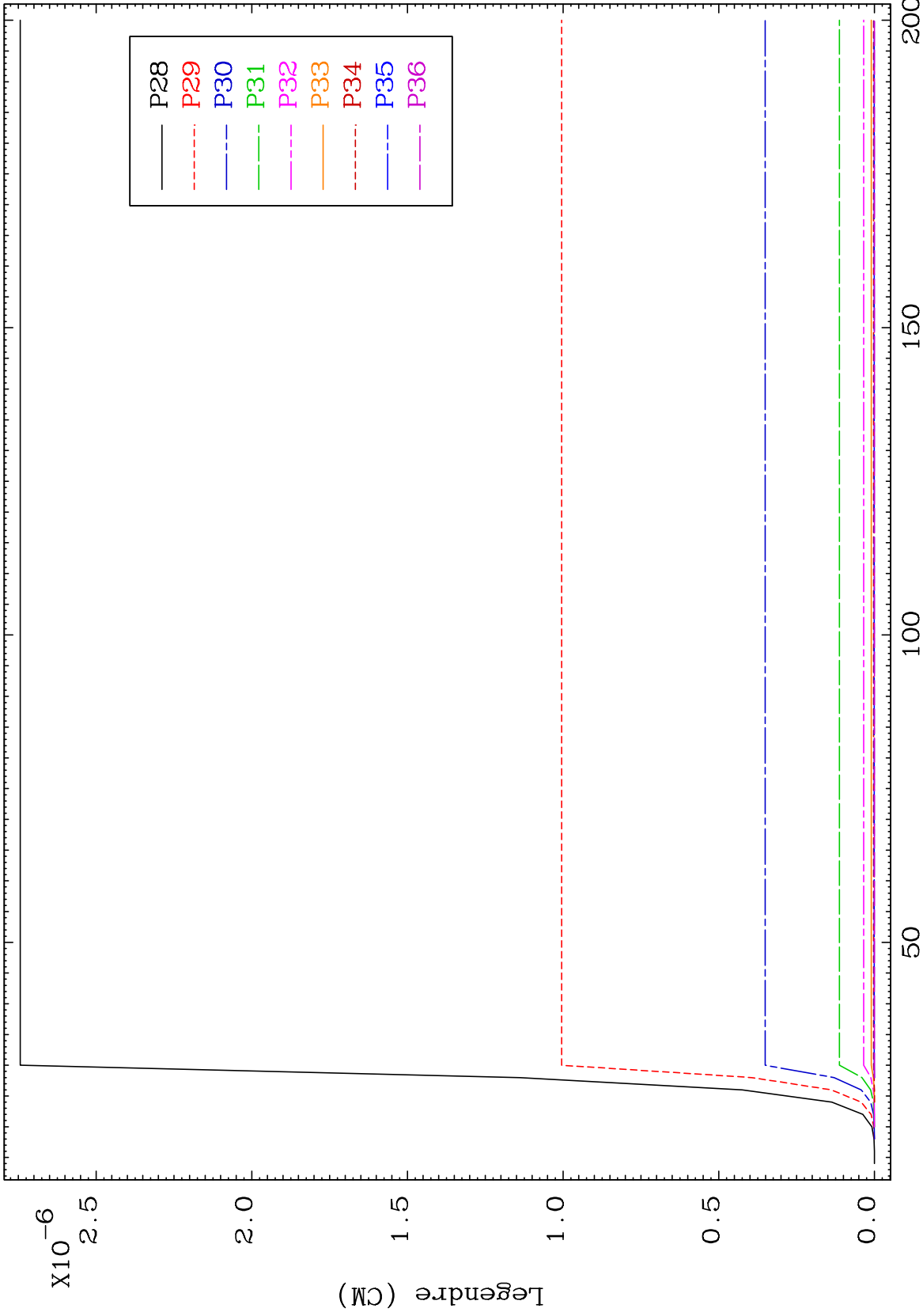
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



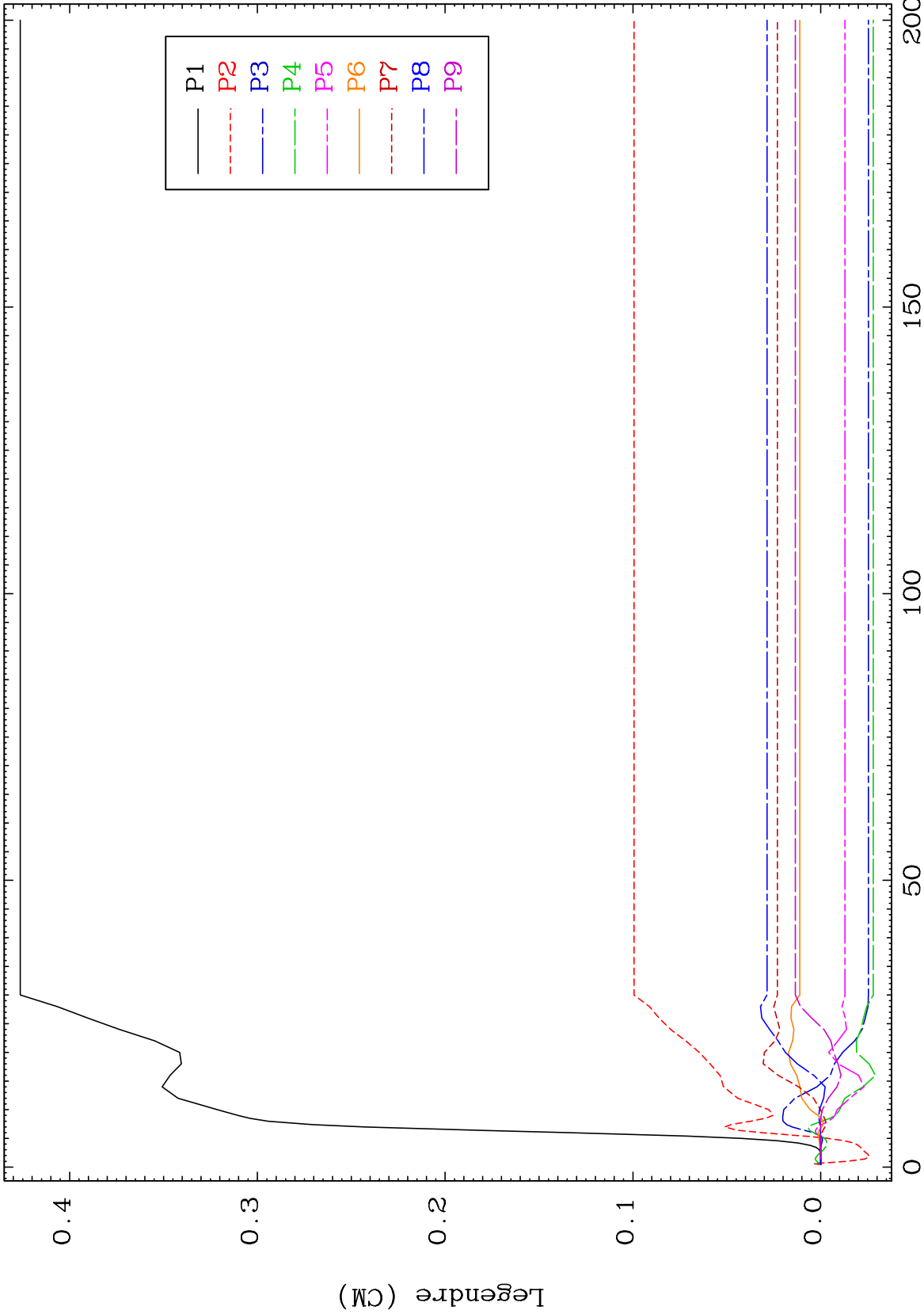
43

57-La-131

MAT 5704

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

57-La-131

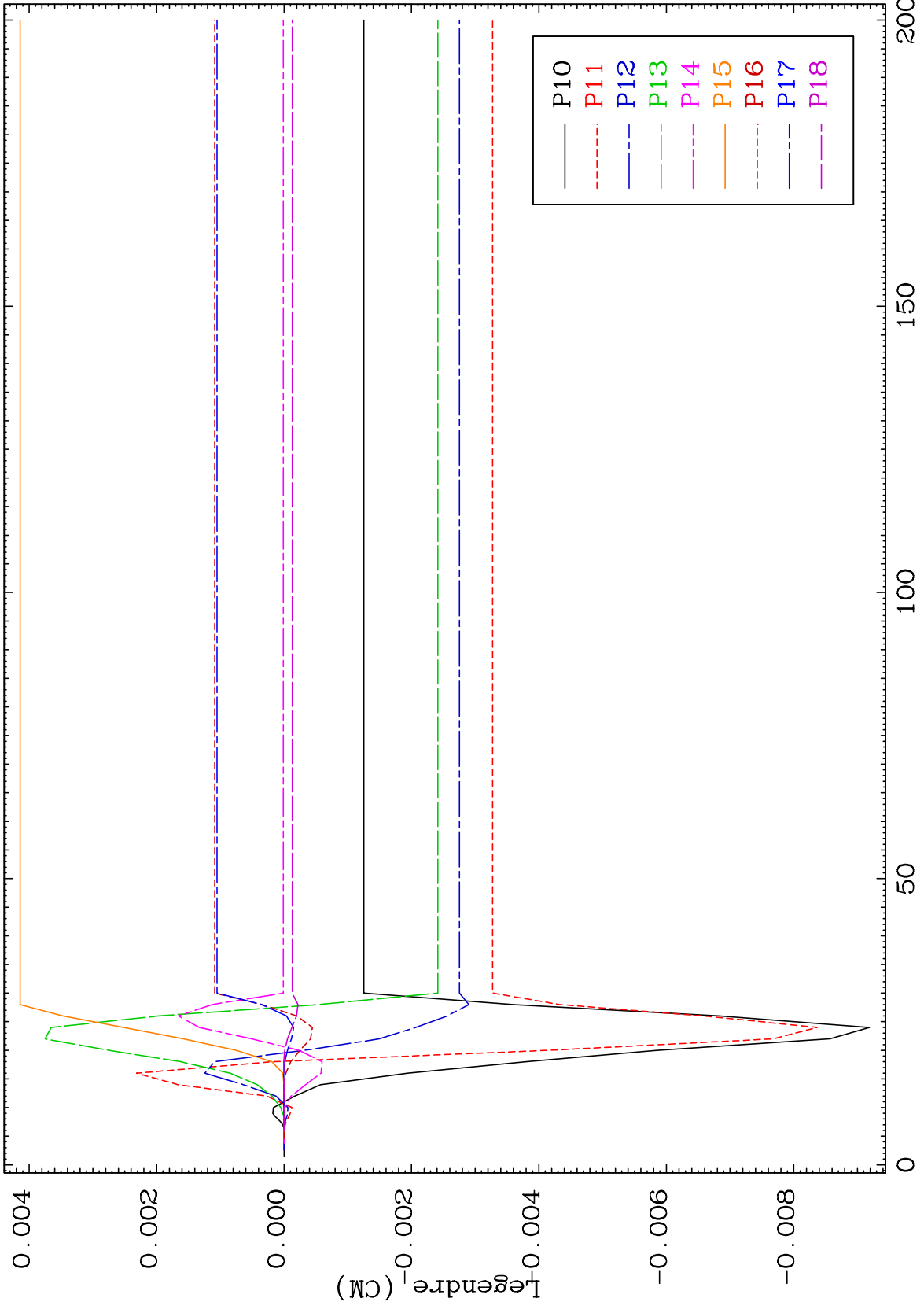


44

Incident Energy (MeV)

57-La-131

MAT 5704 MT= 57 (n,n') Level Legendre Coefficients 57-La-131

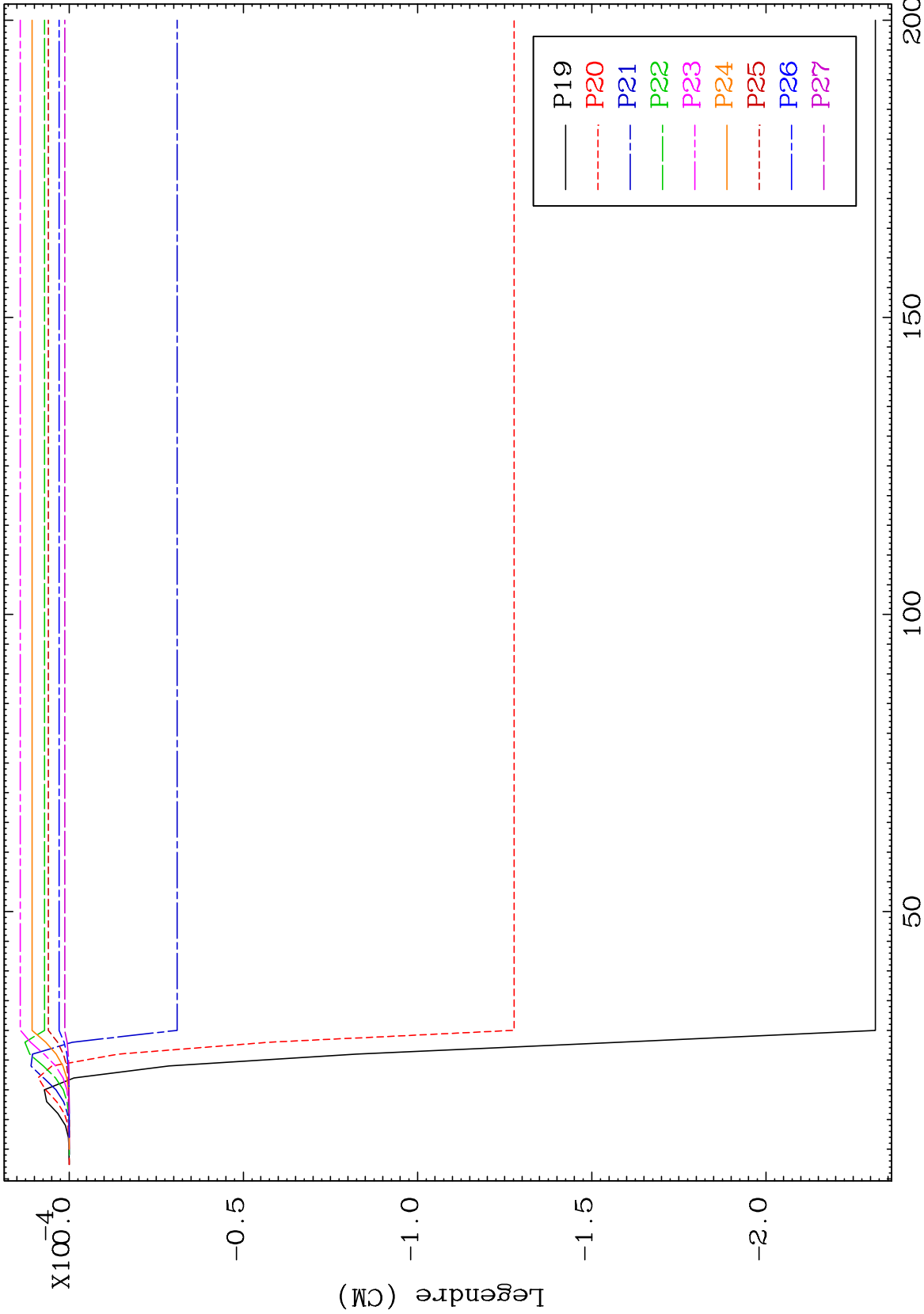


57-La-131

MAT 5704

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

57-La-131



46

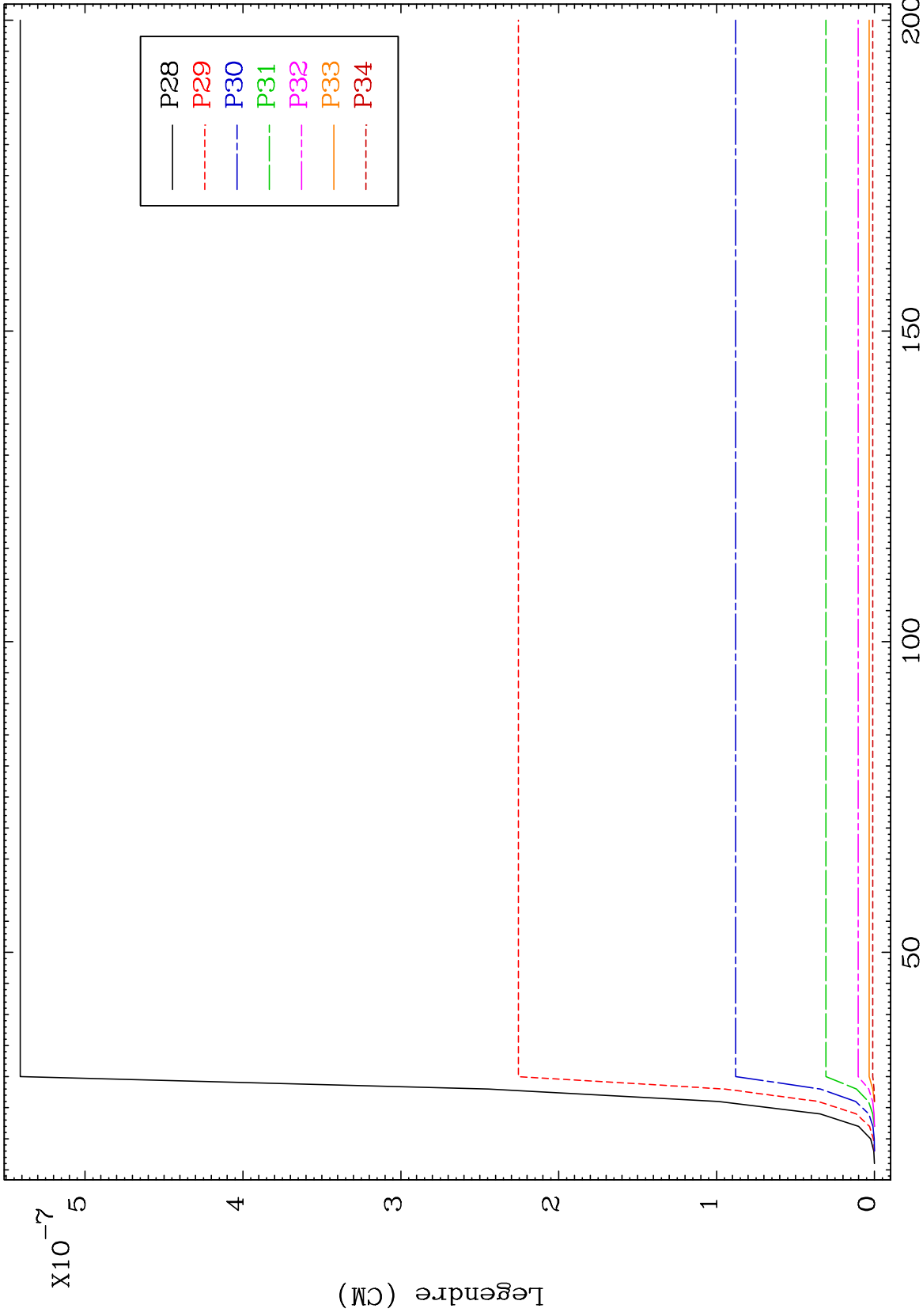
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



47

Incident Energy (MeV)

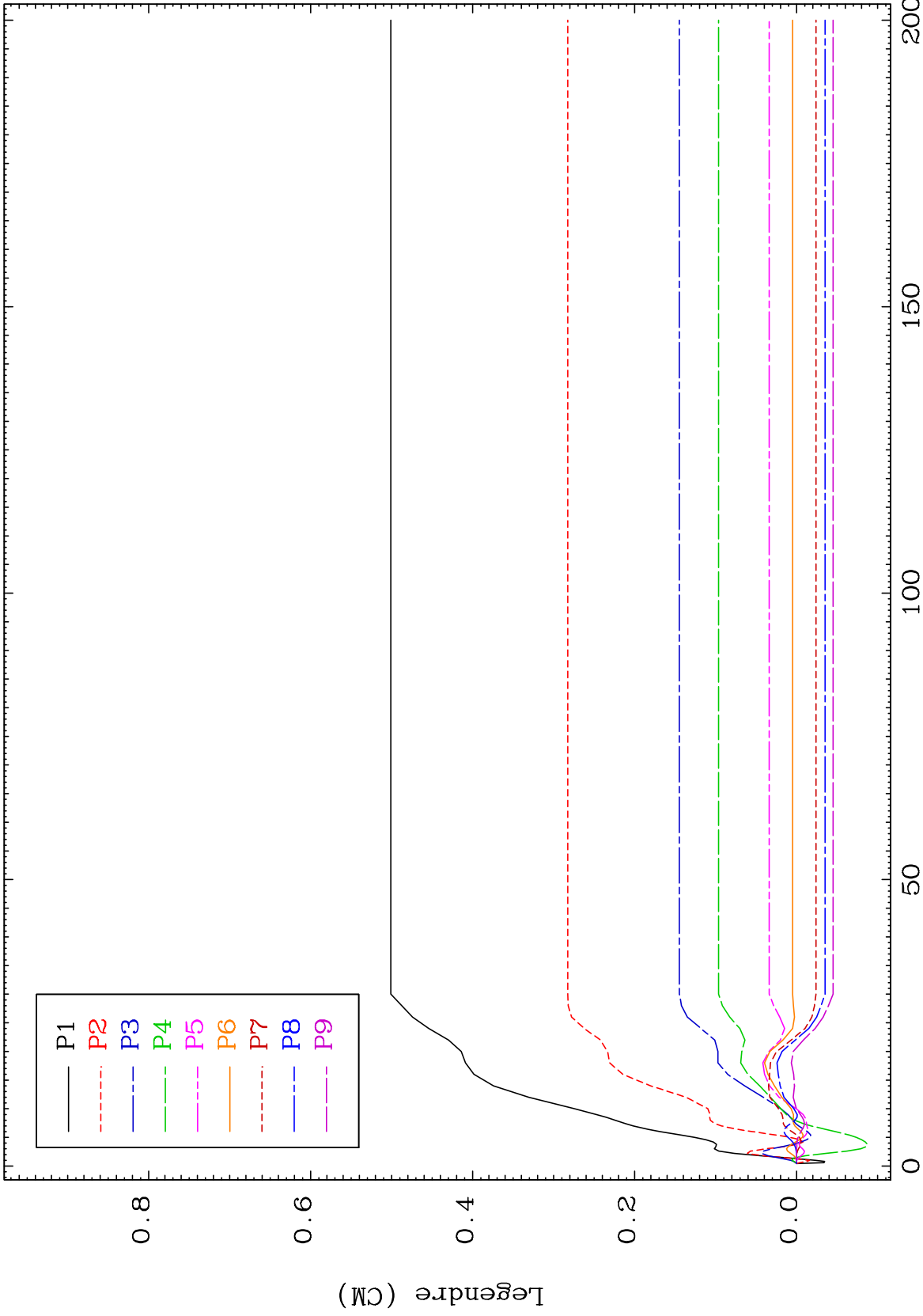
57-La-131



MAT 5704

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

57-La-131



48

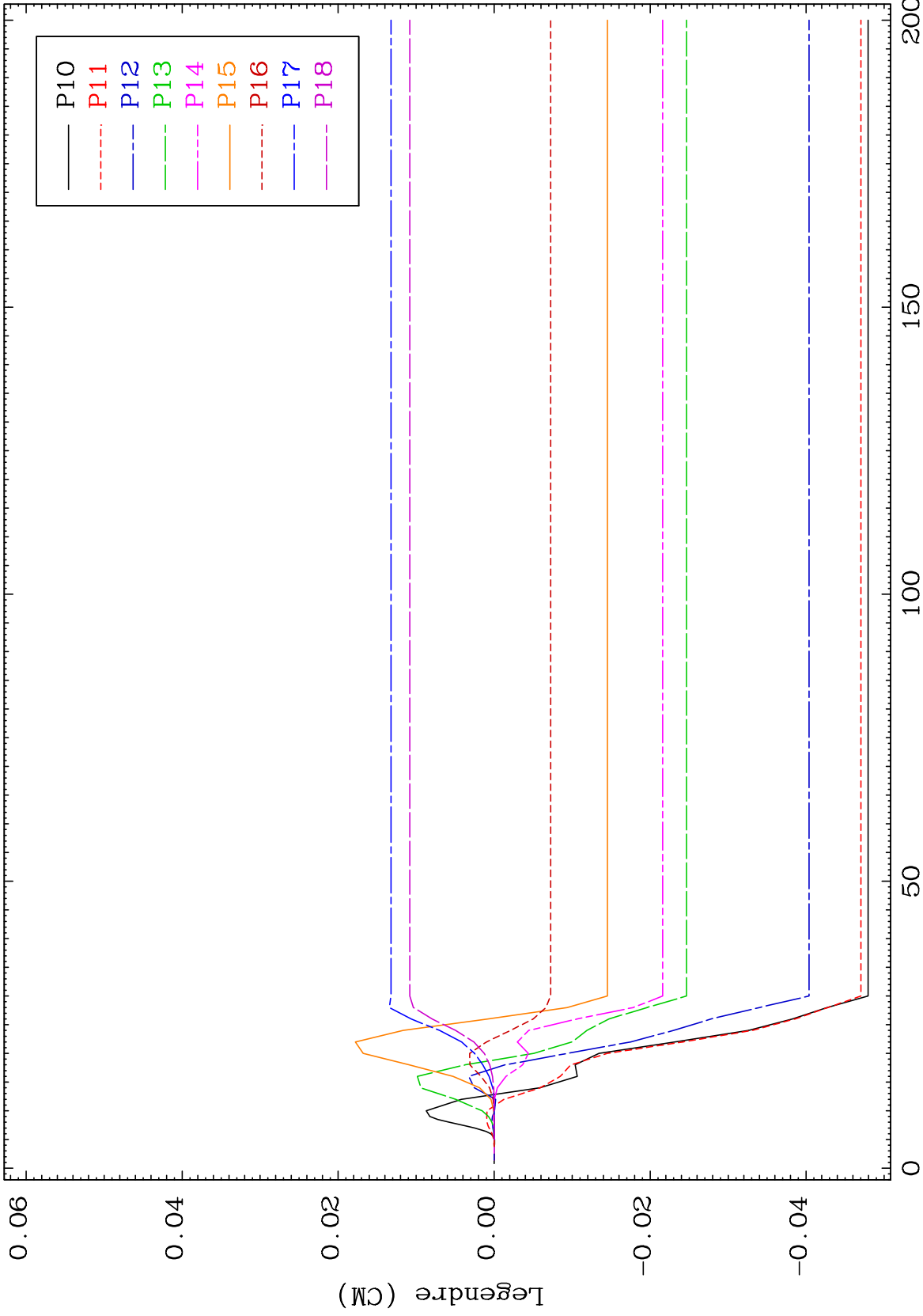
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



49

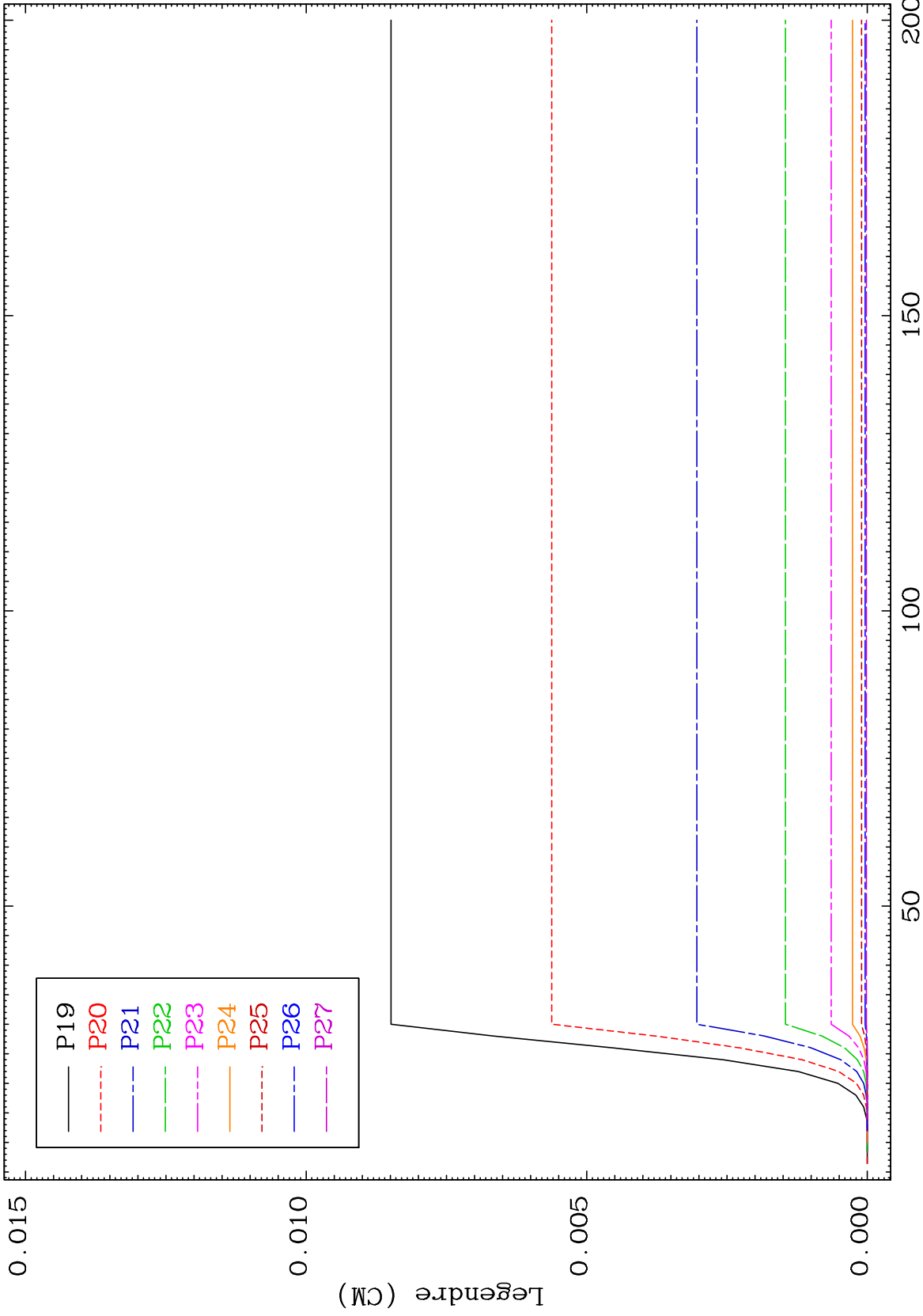
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



50

50

100

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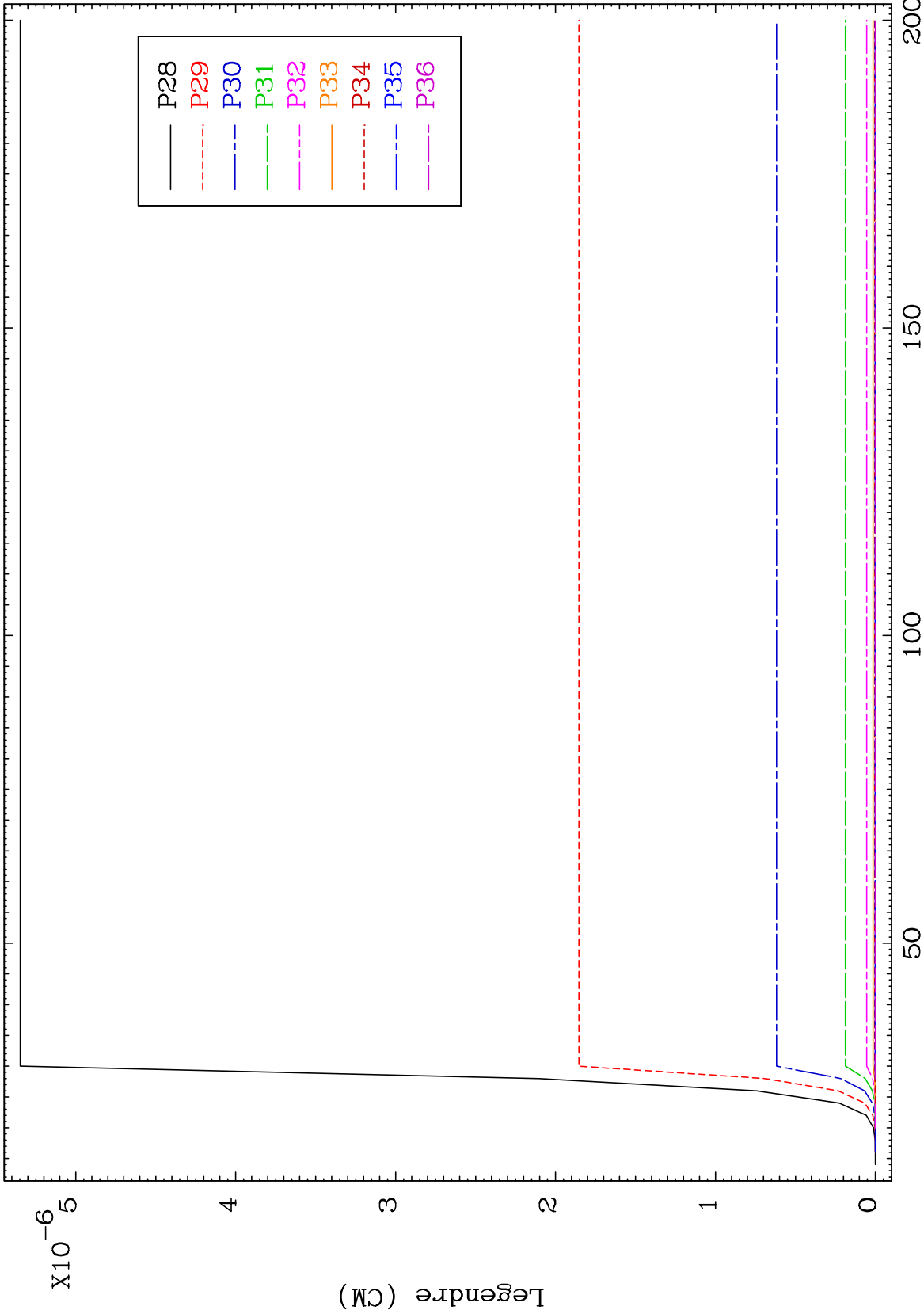
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57-La-131

MAT 5704

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

57-La-131



51

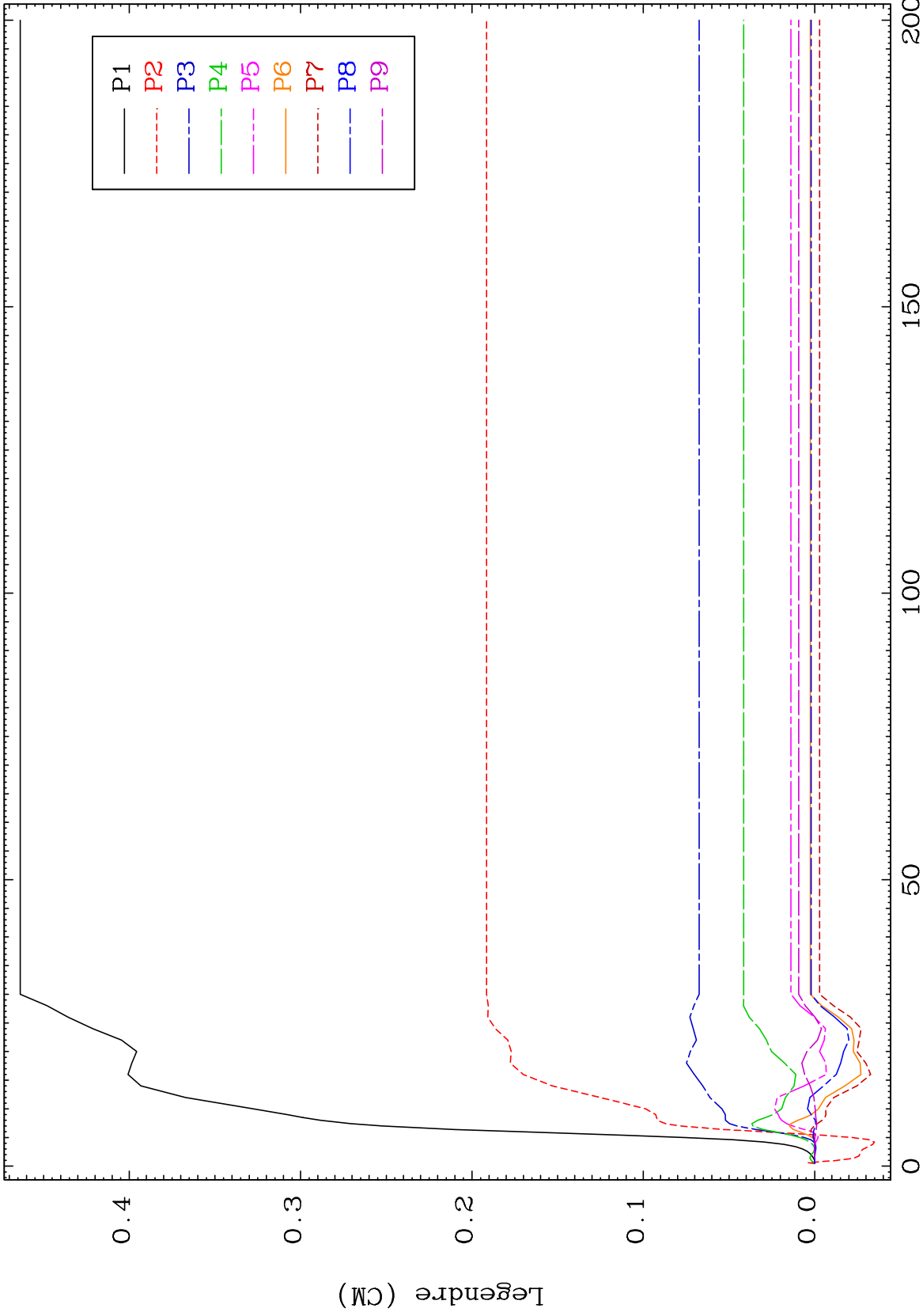
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



52

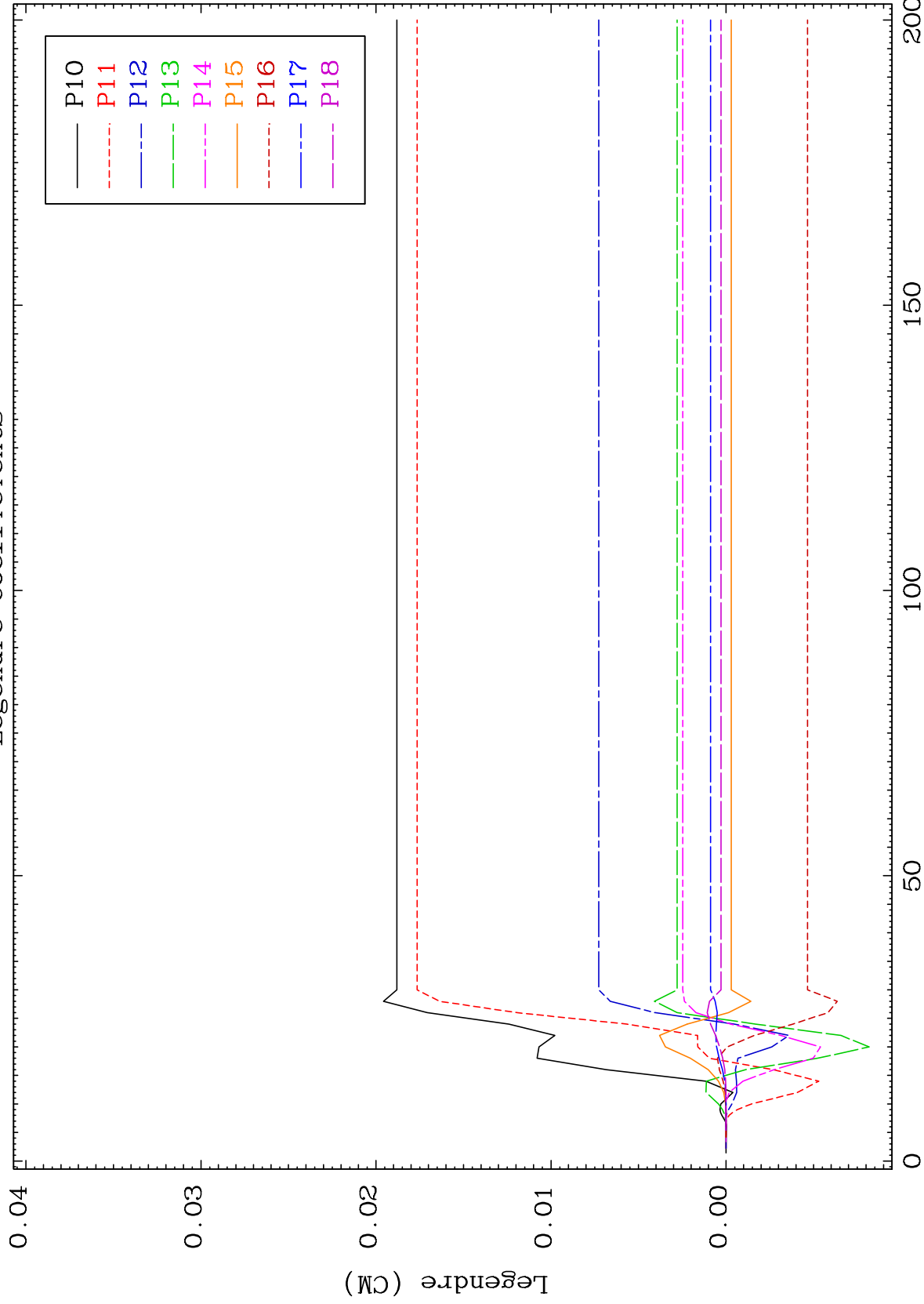
Incident Energy (MeV)

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MAT 5704

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

57-La-131



53

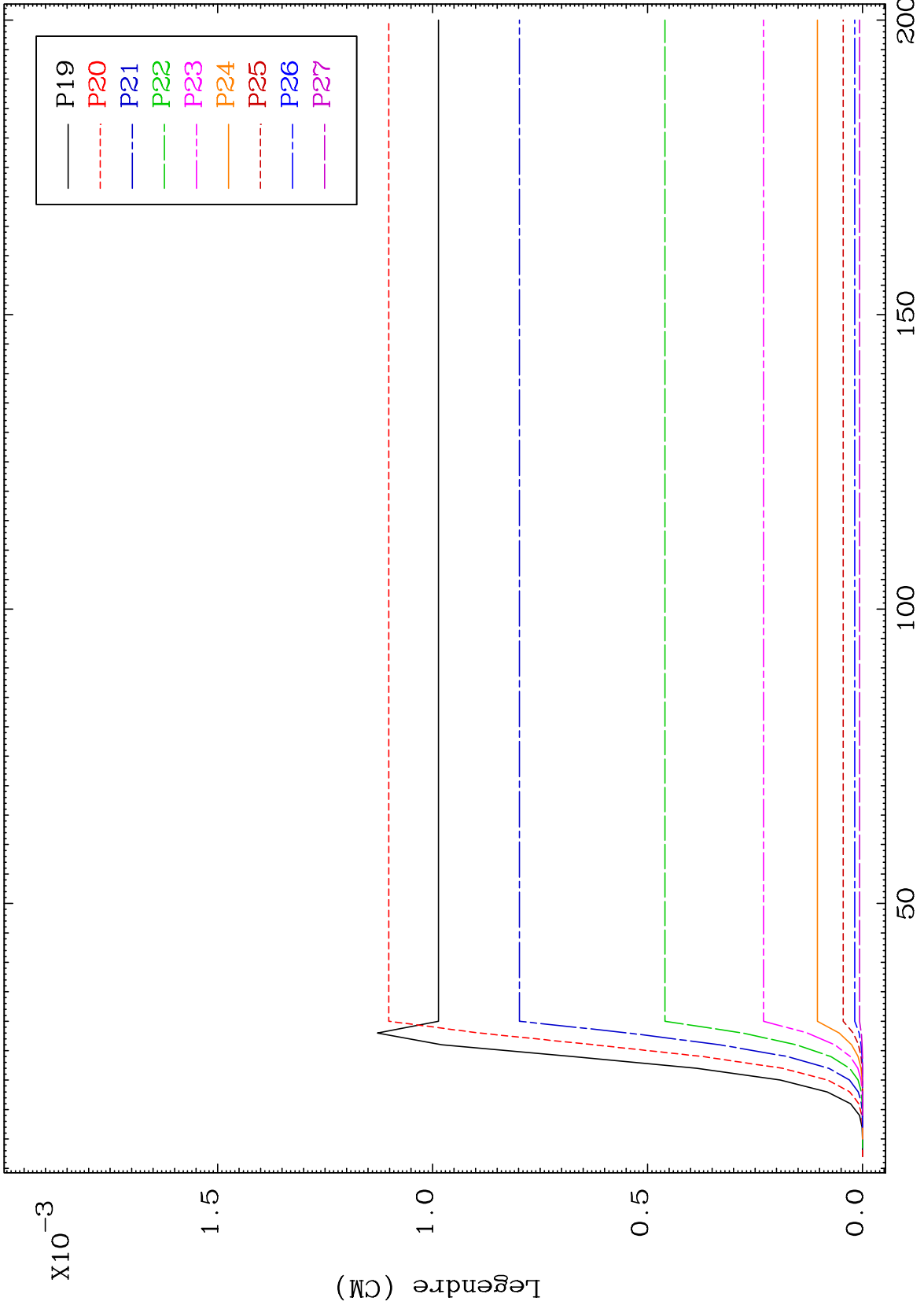
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



54

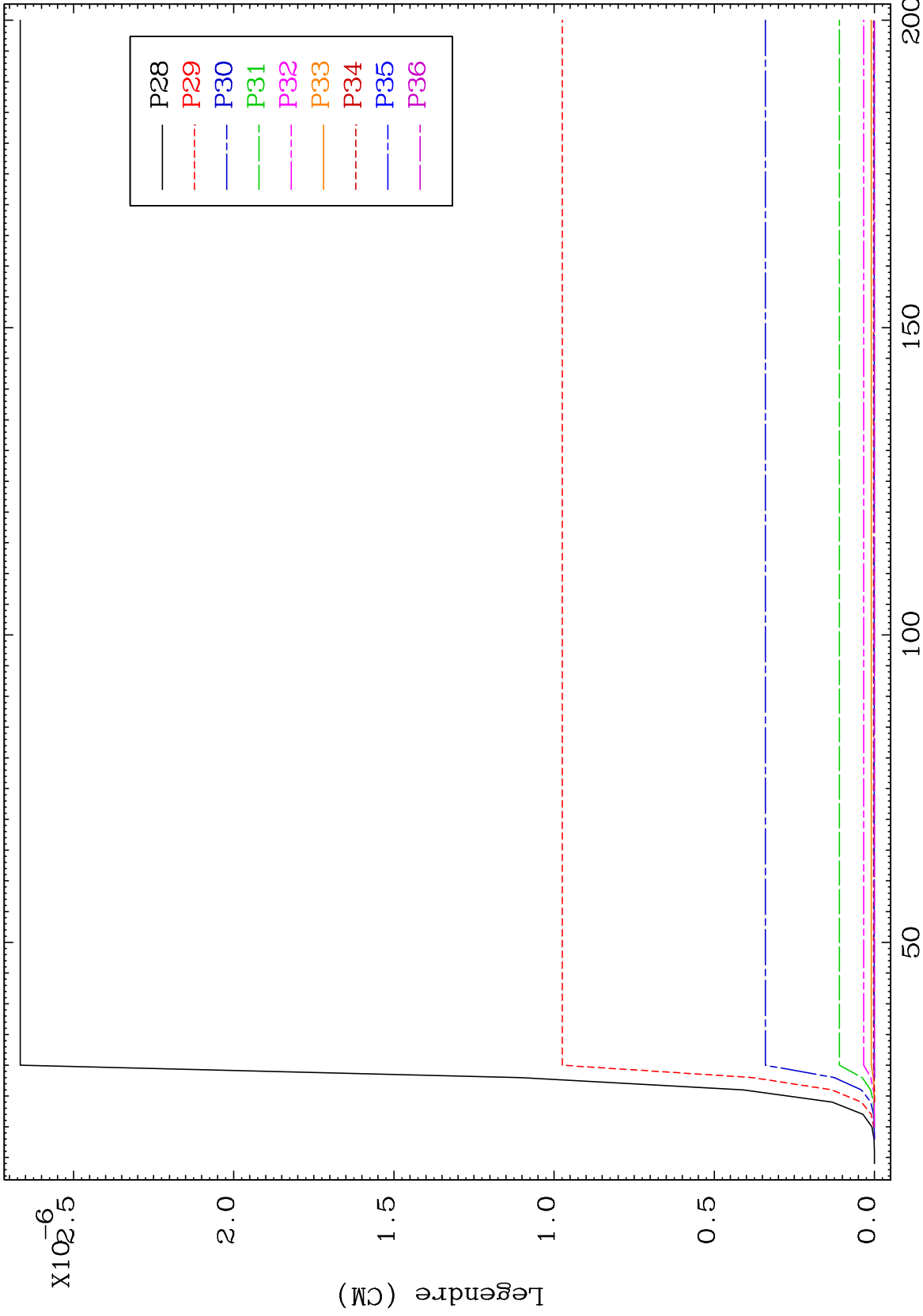
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



55

Incident Energy (MeV)

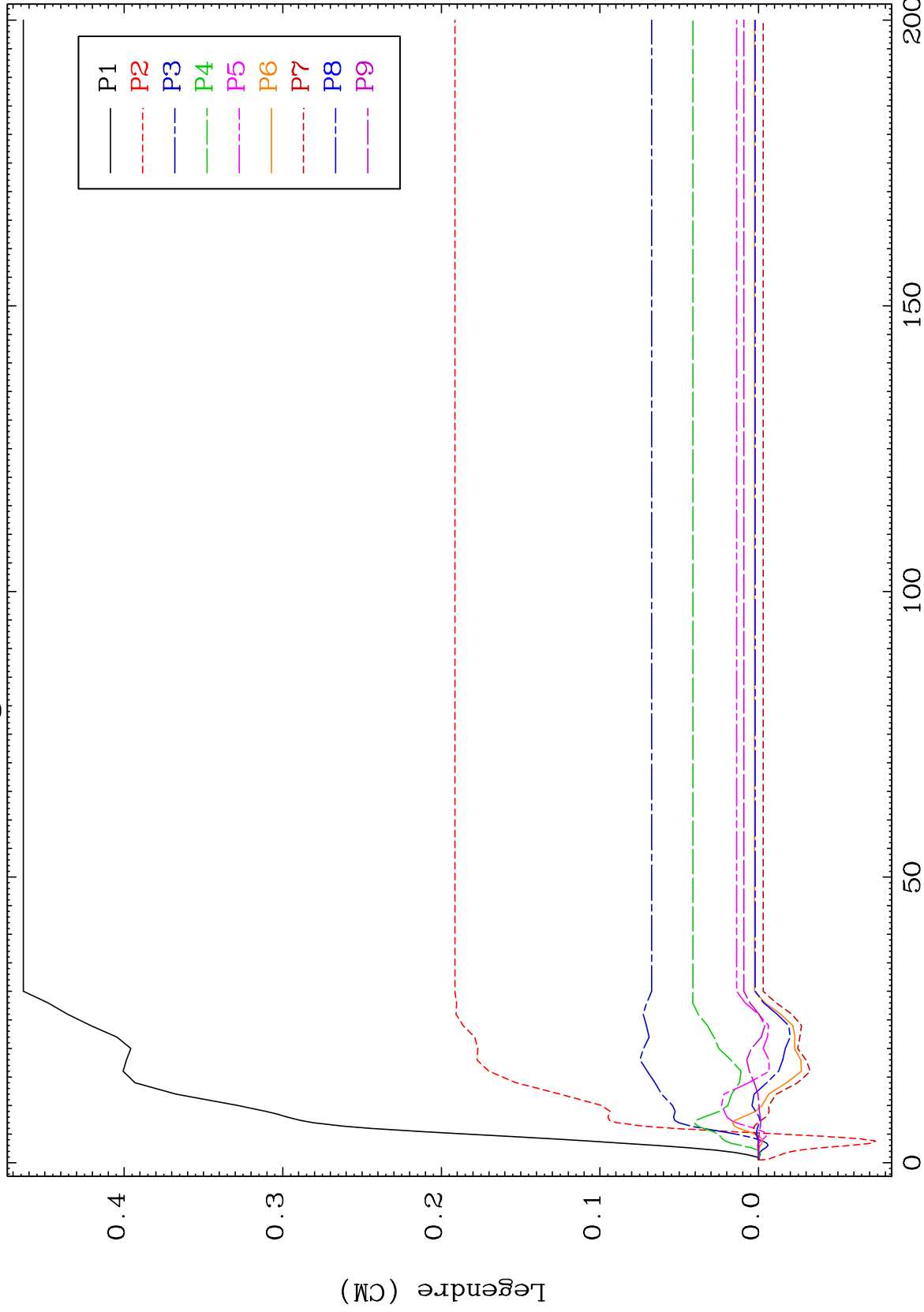
57-La-131



MAT 5704

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

57-La-131

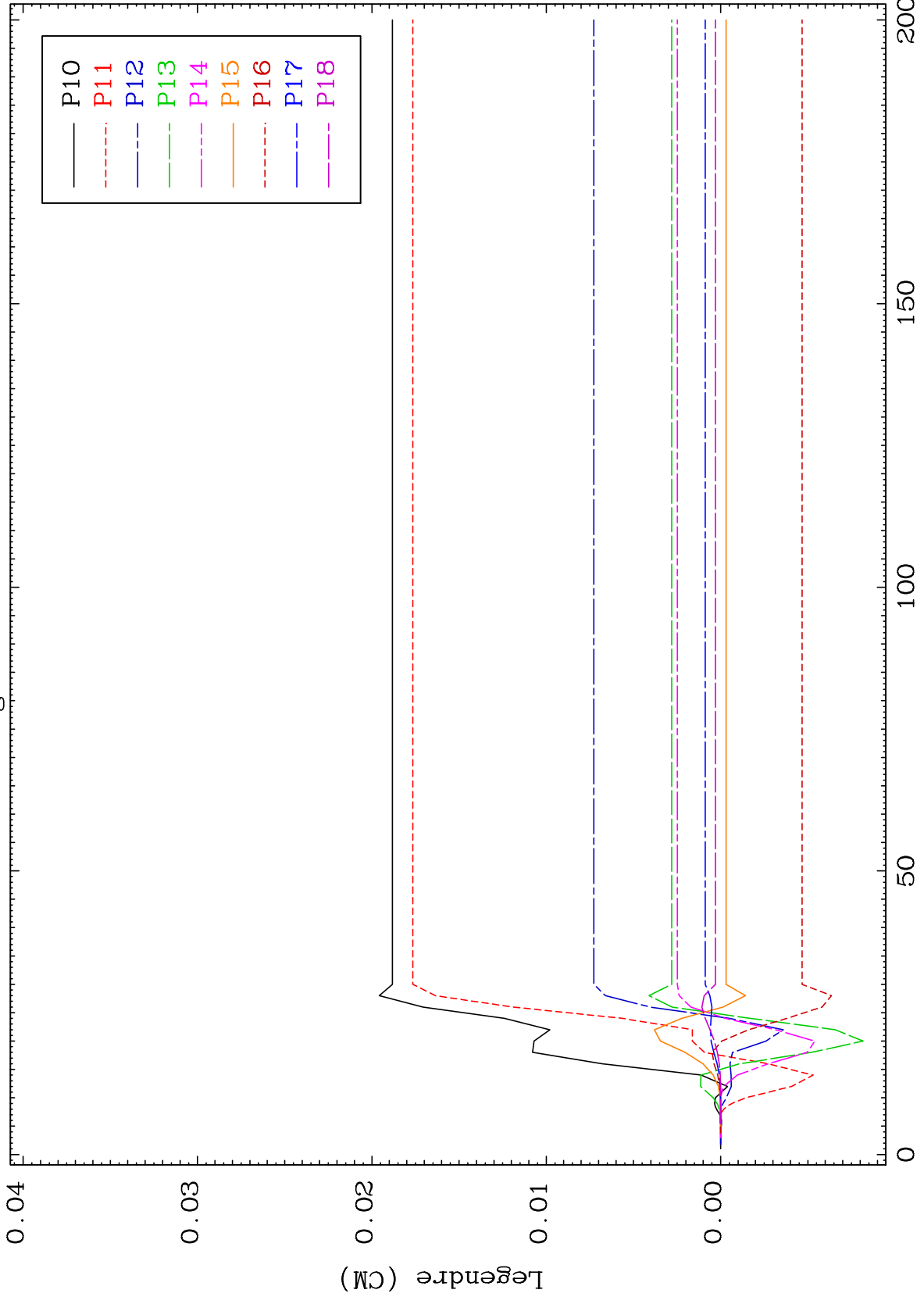


56

Incident Energy (MeV)

57-La-131

MAT 5704 MT= 60 (n,n') Level Legendre Coefficients 57-La-131

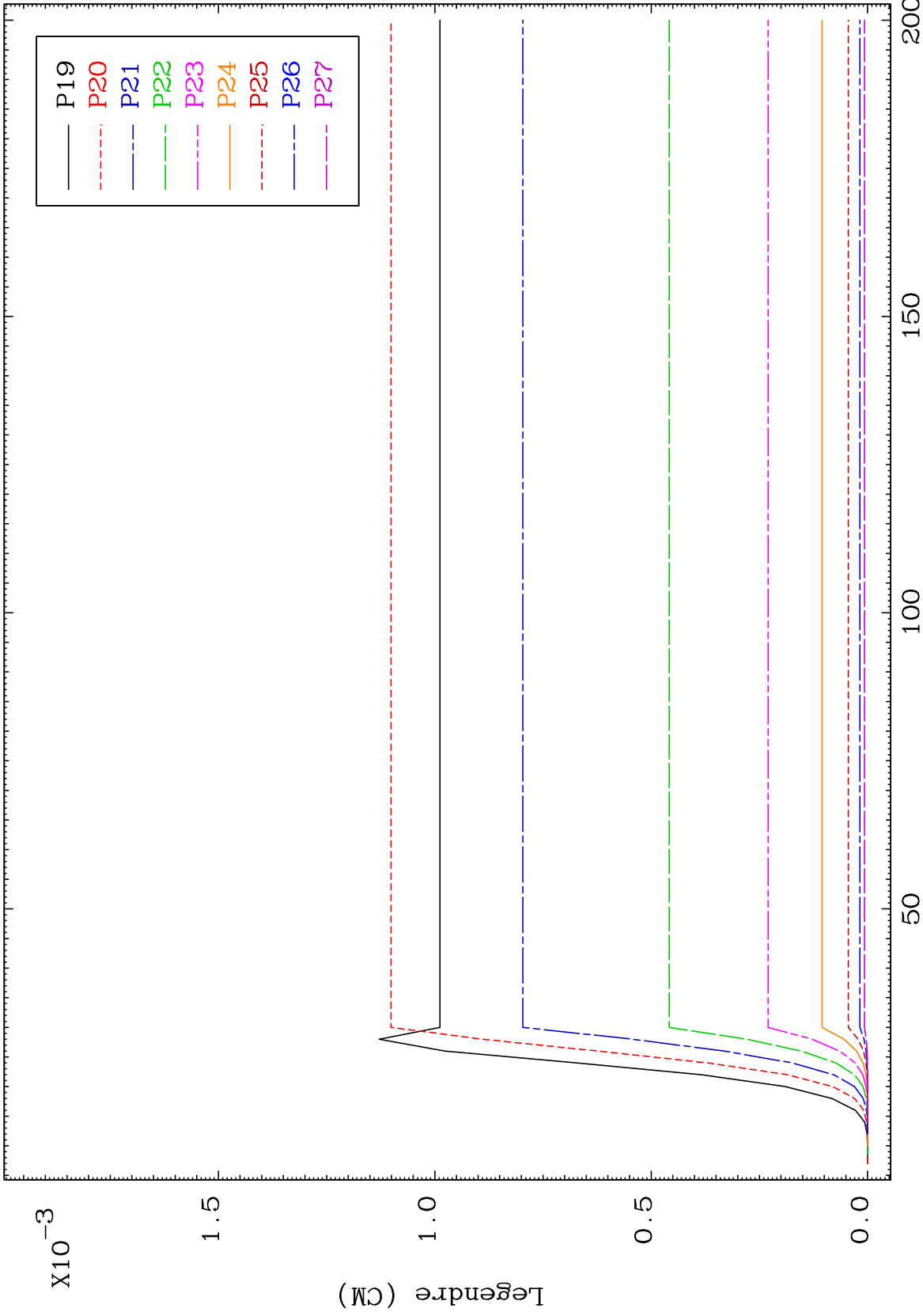


57 57-La-131

MAT 5704

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

57-La-131



58

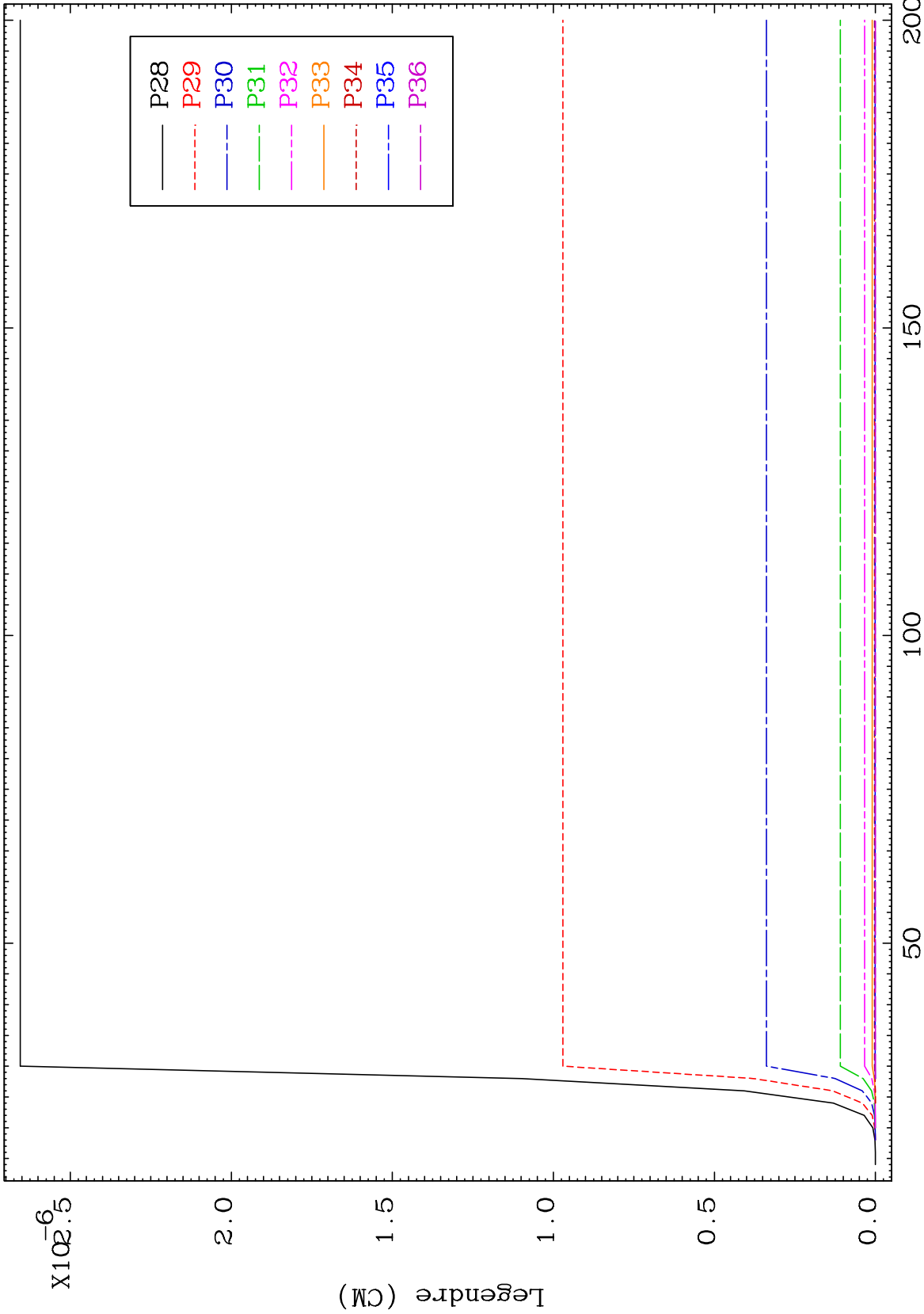
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



59

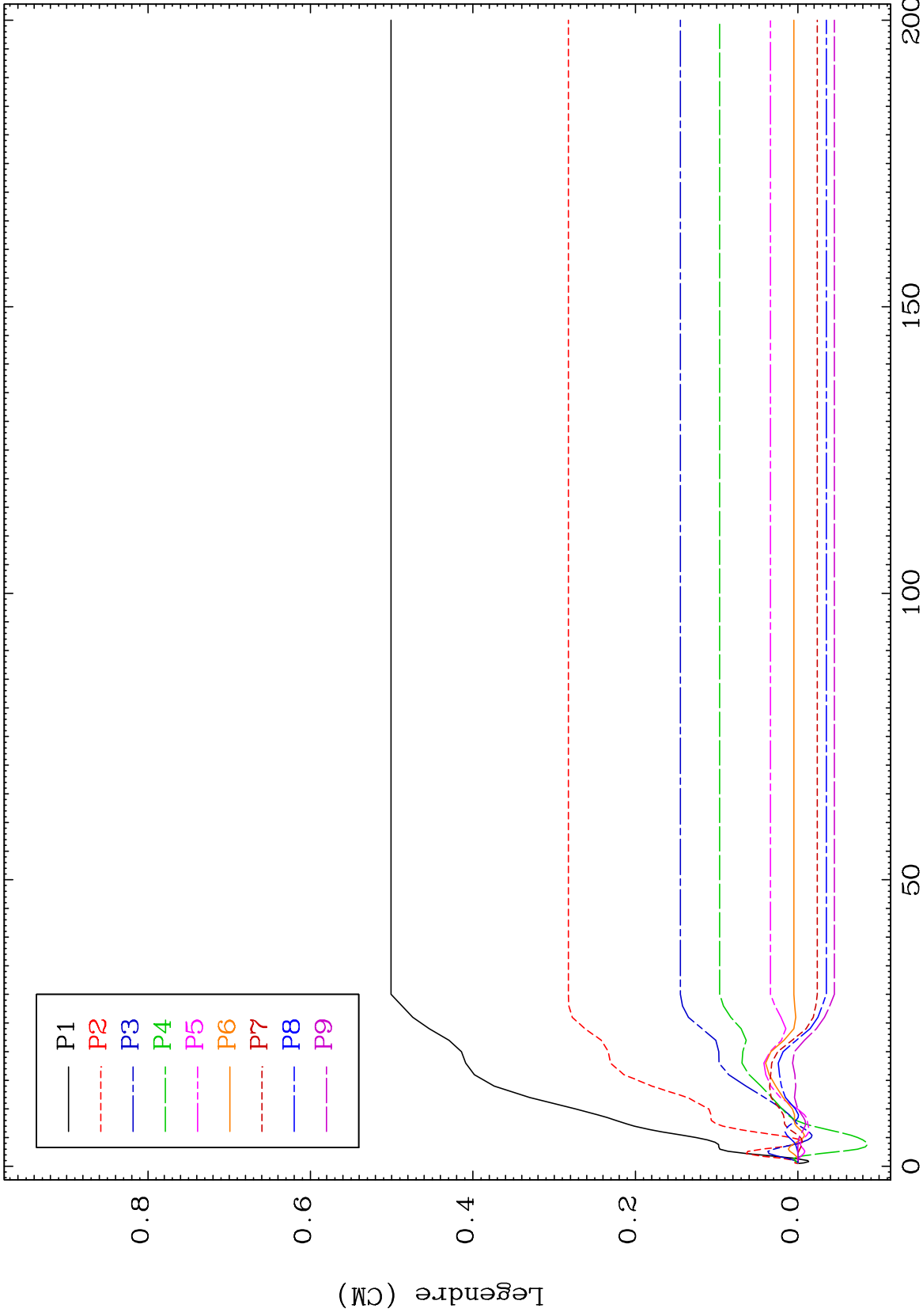
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



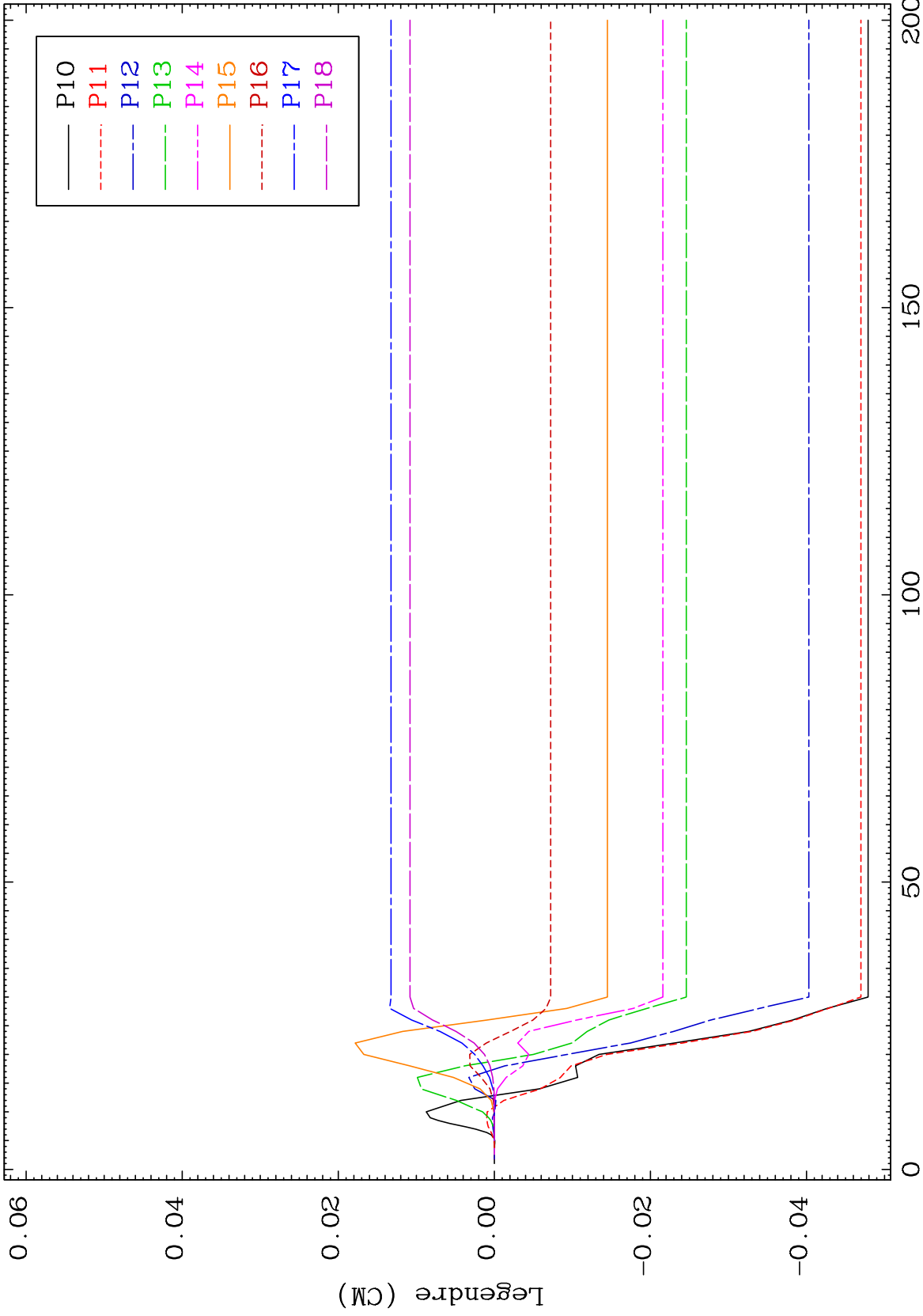
57-La-131

Incident Energy (MeV)

MAT 5704

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

57-La-131



61

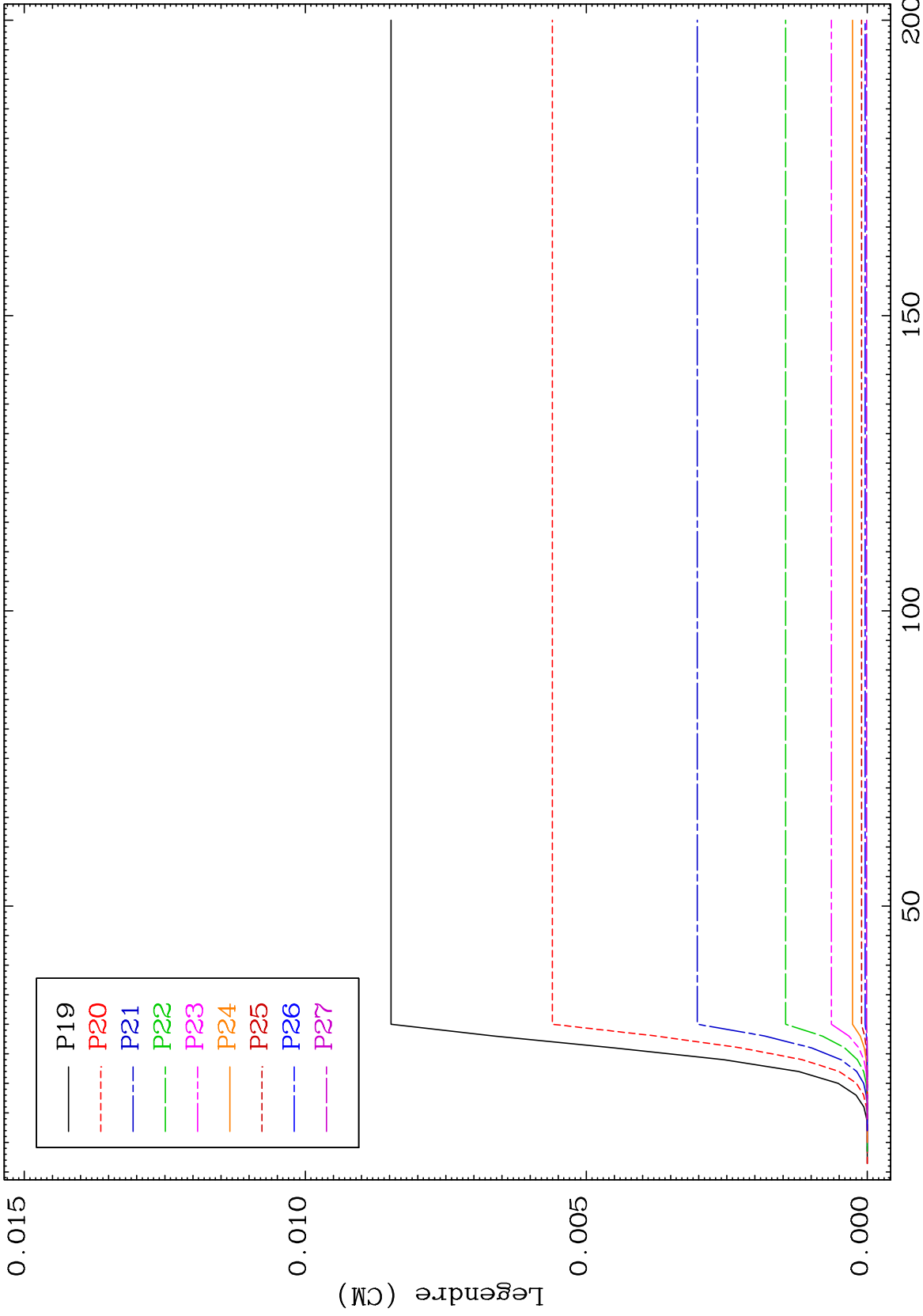
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



62

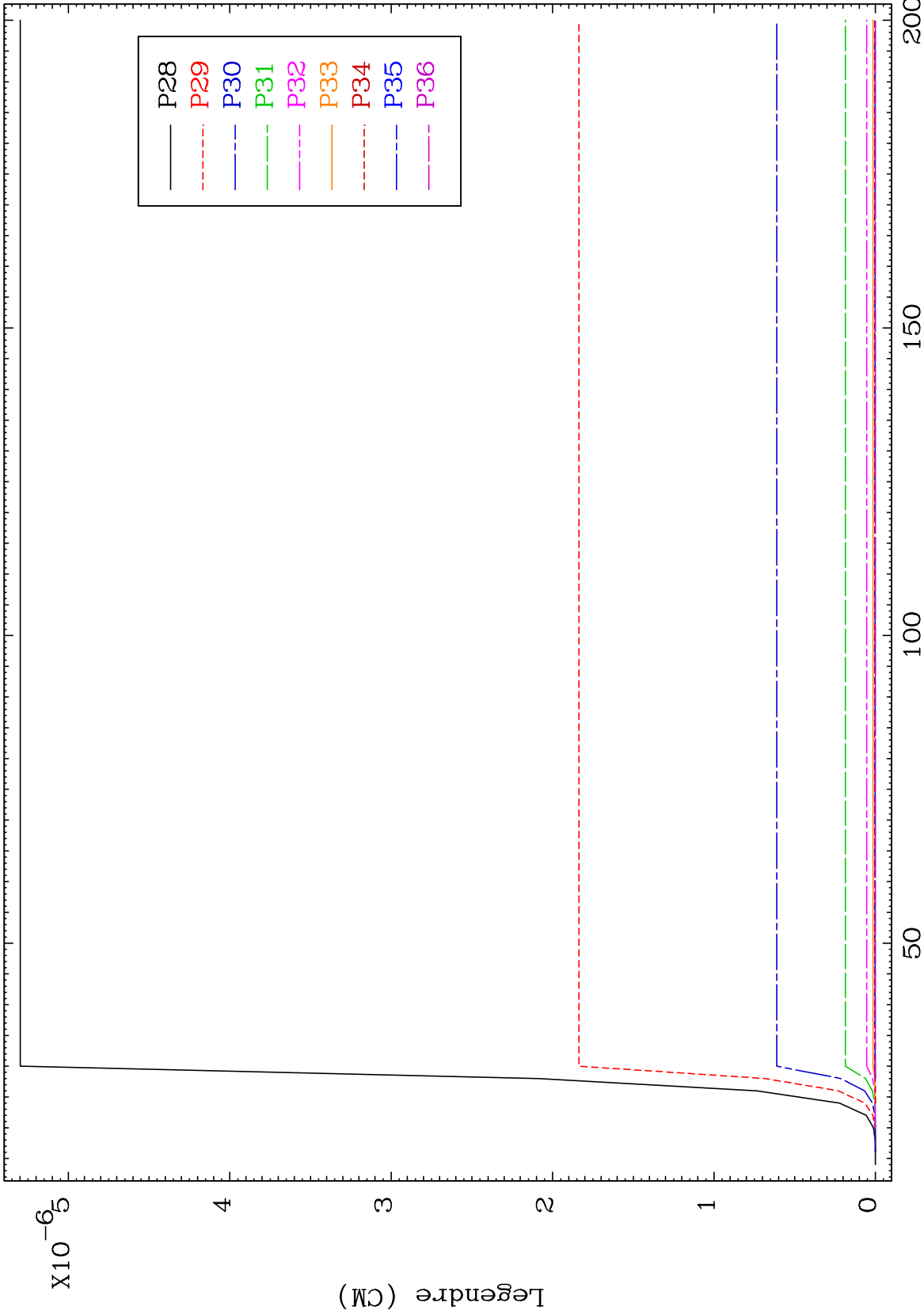
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



63

Incident Energy (MeV)

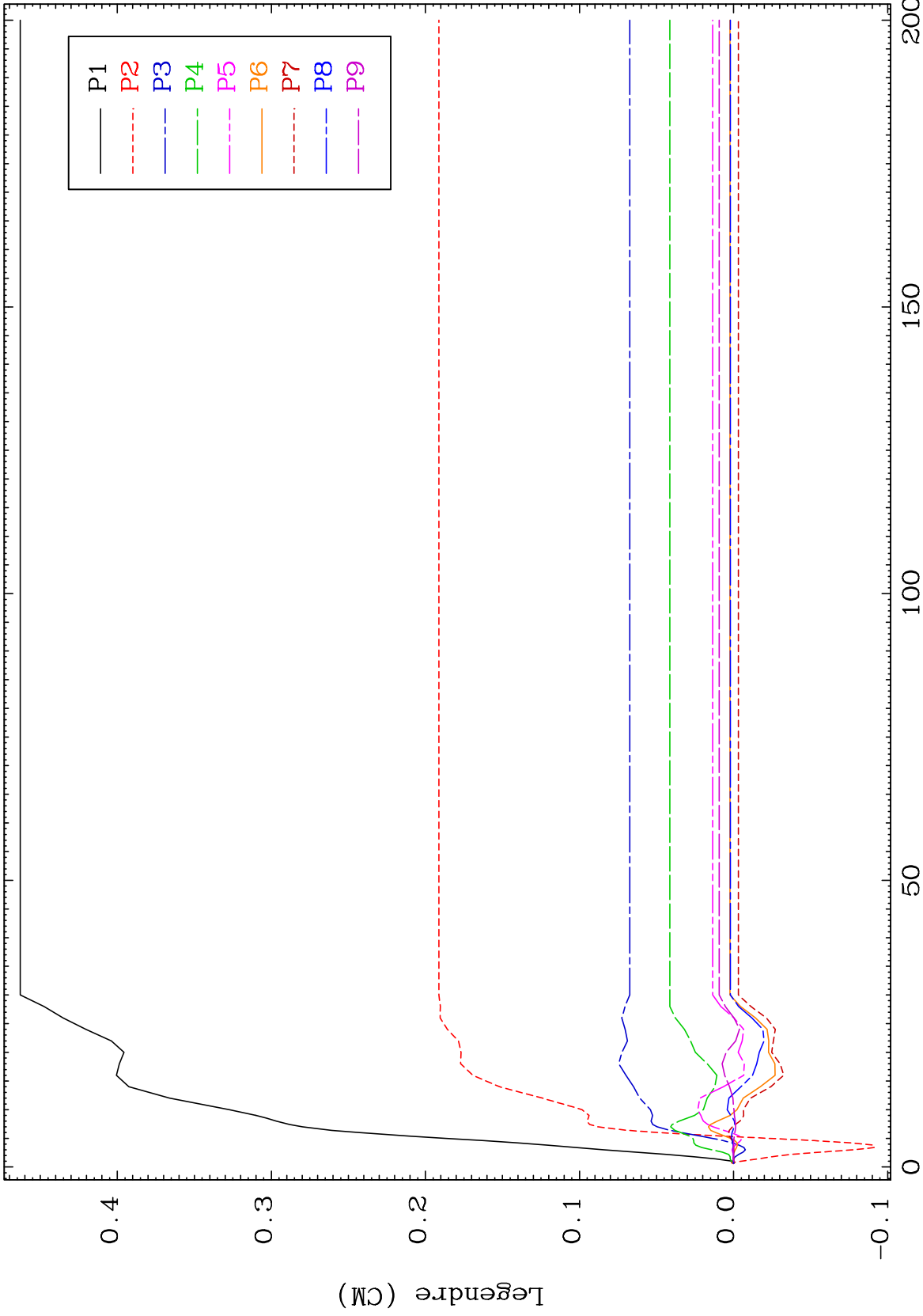
57-La-131



MAT 5704

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

57-La-131



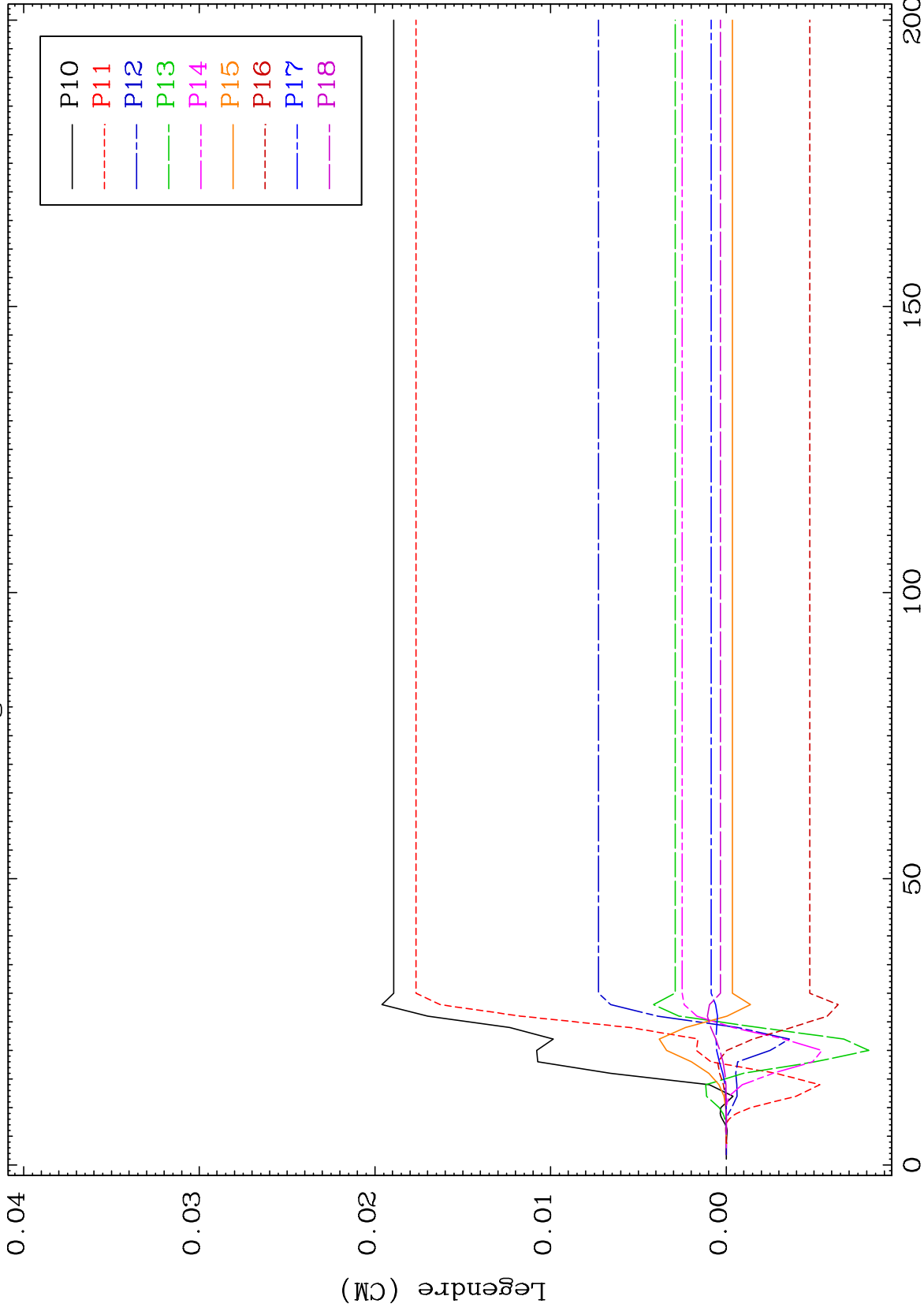
64

57-La-131

MAT 5704

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

57-La-131



65

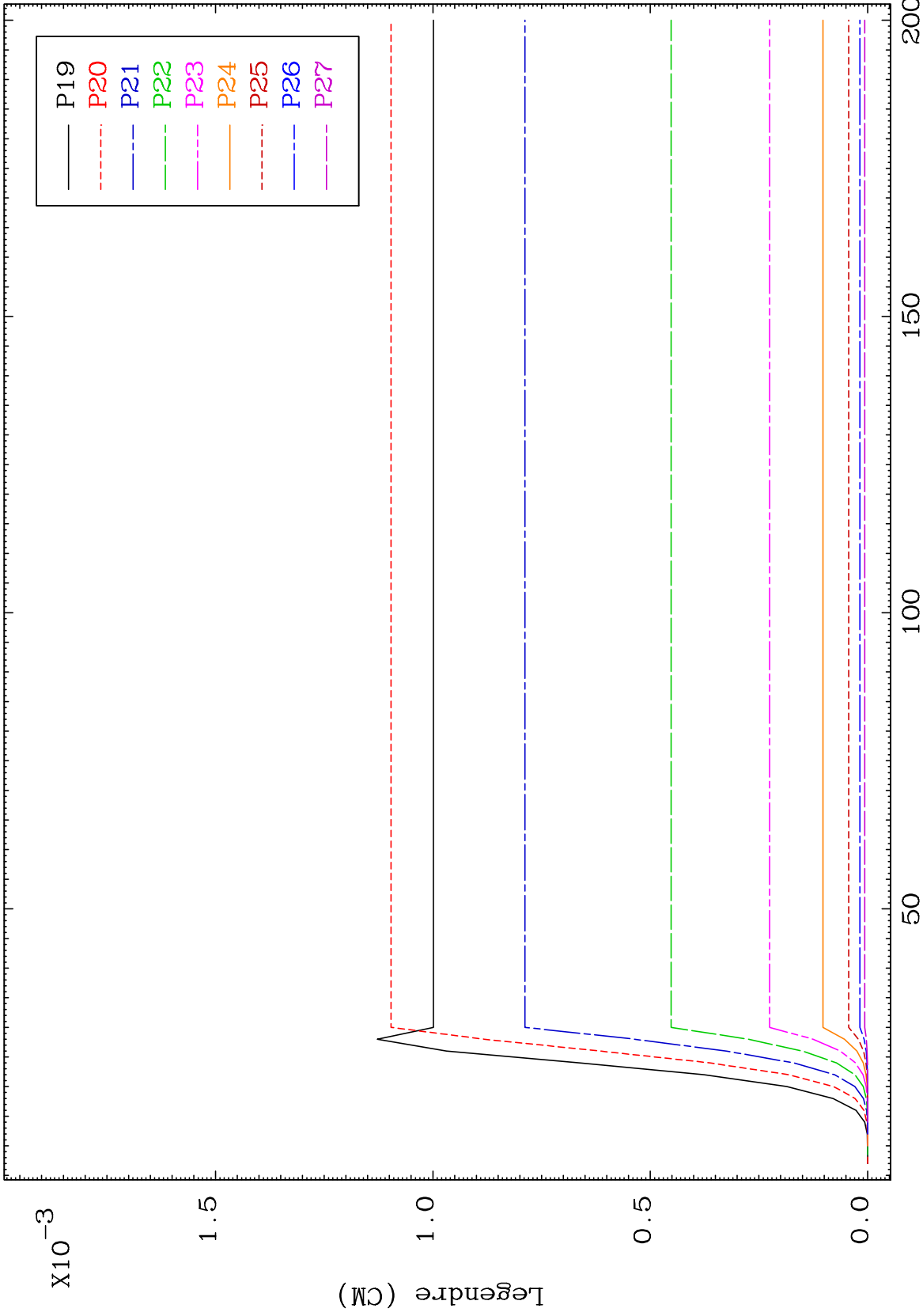
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



66

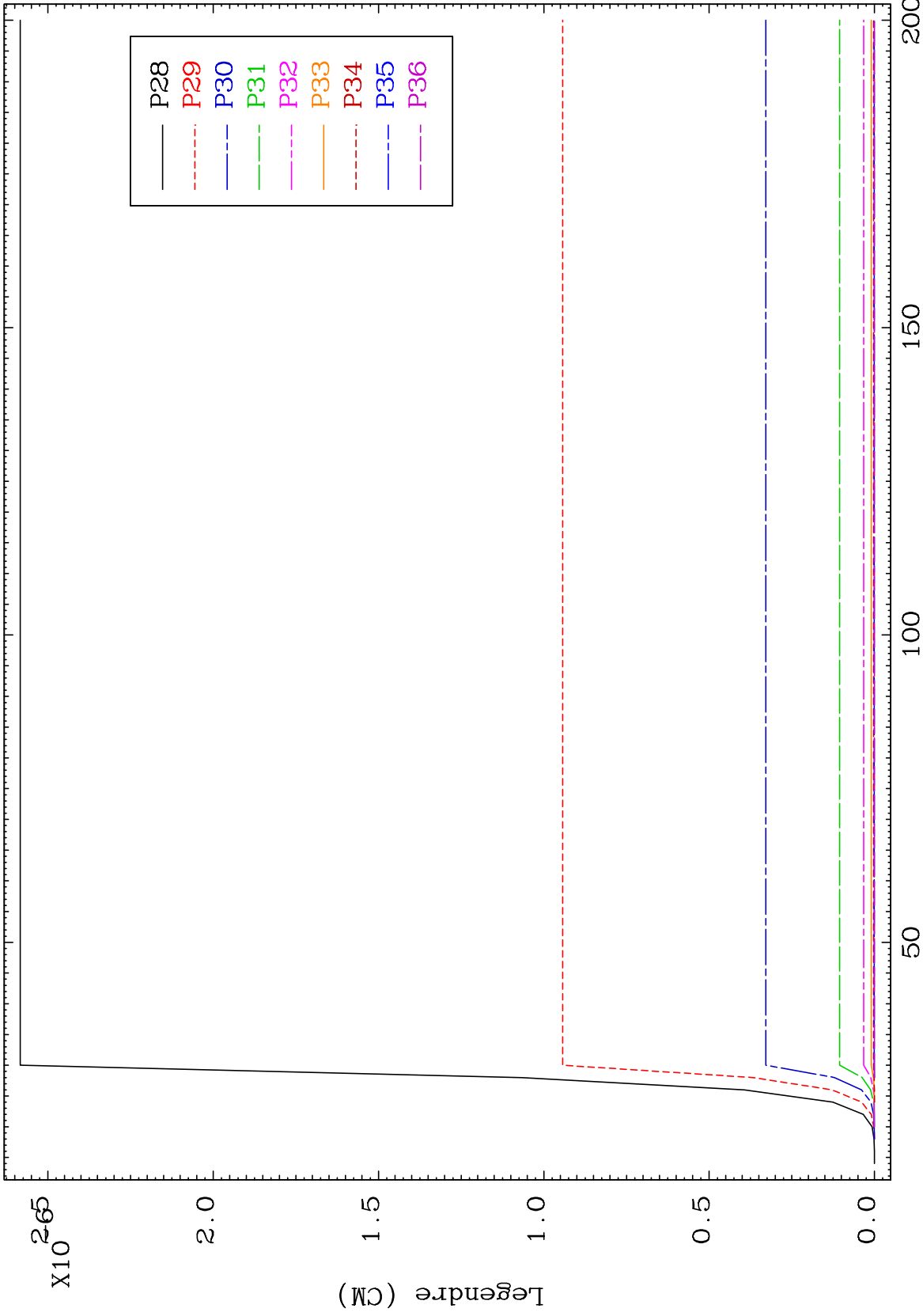
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



67

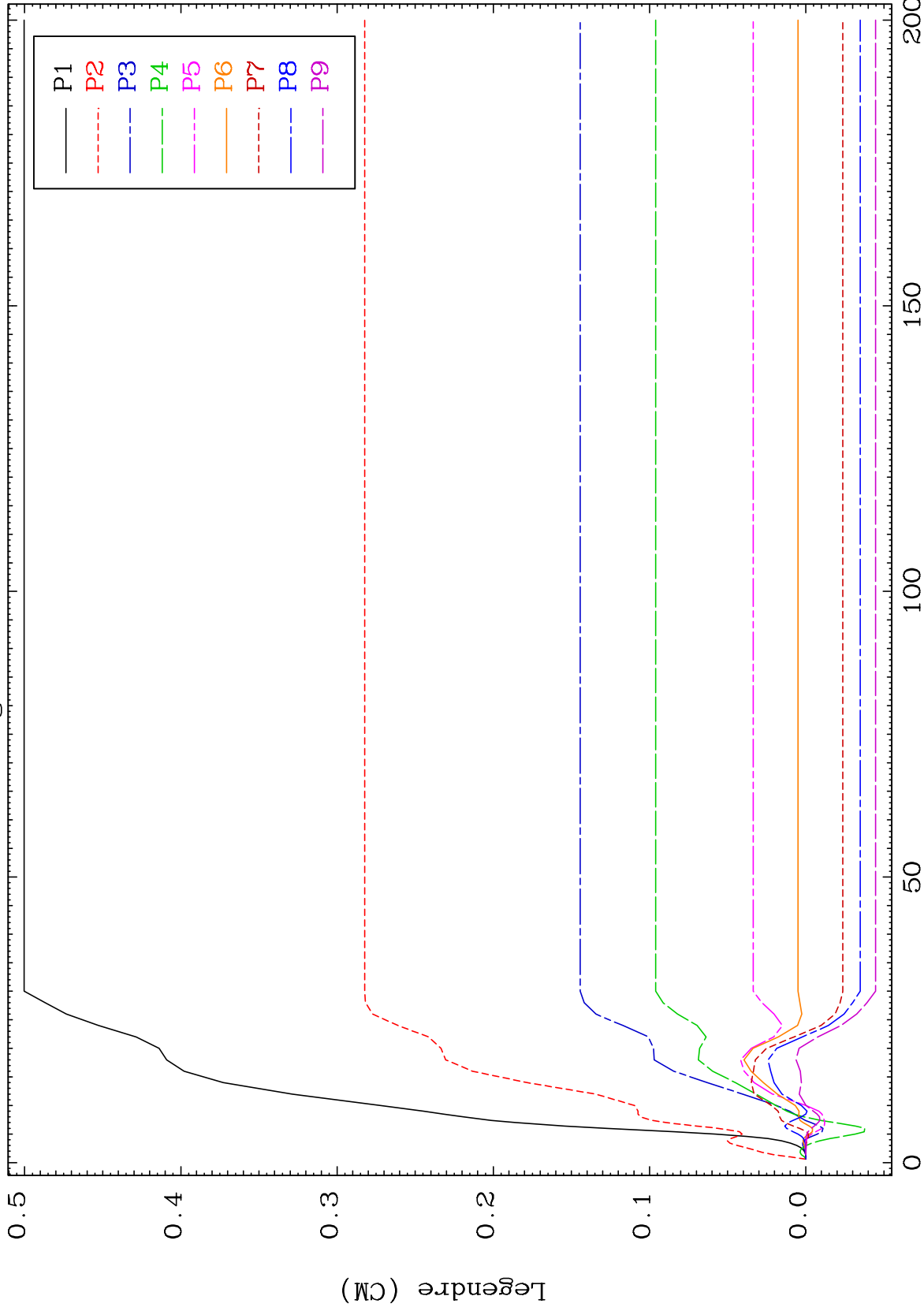
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



68

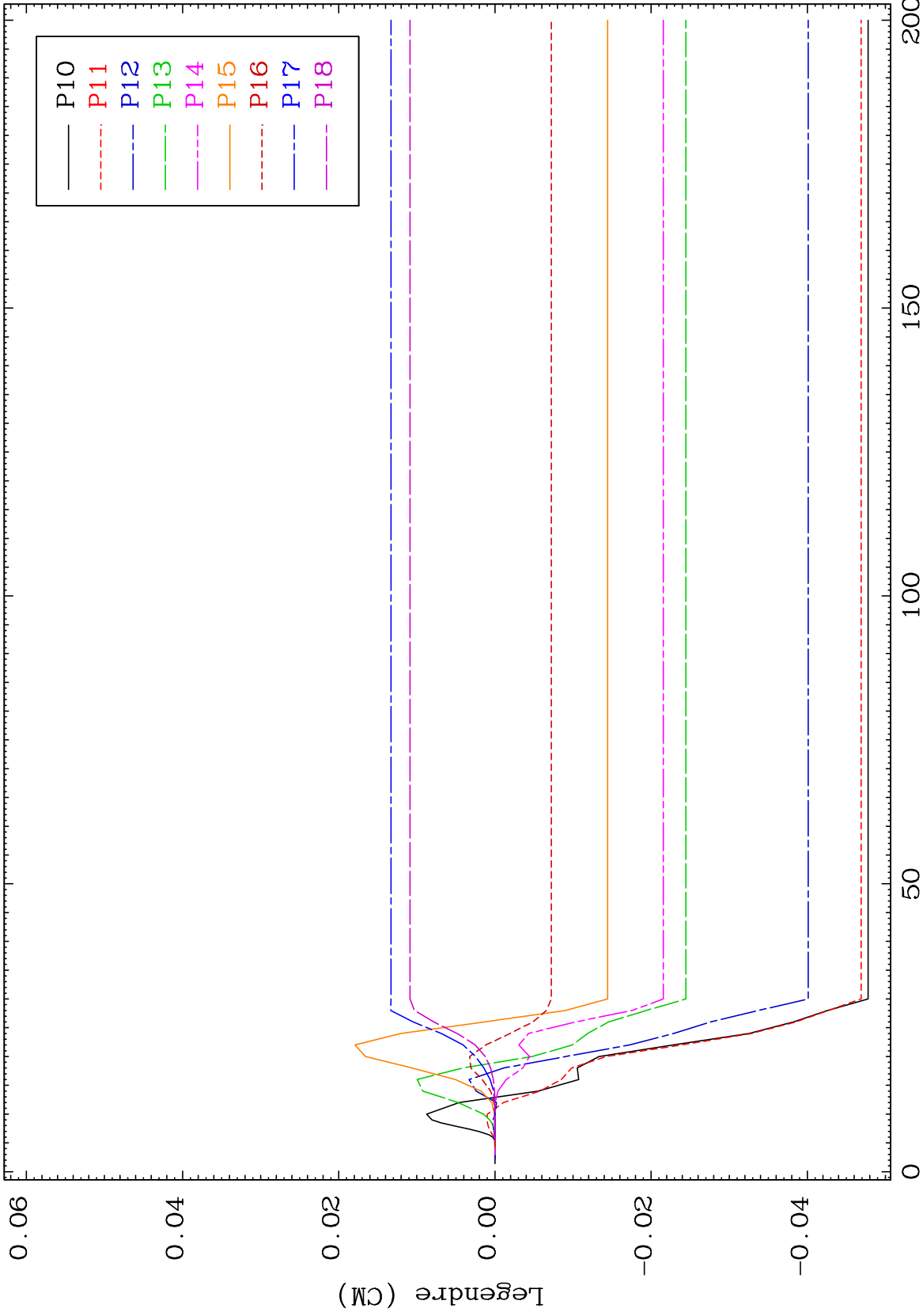
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



69

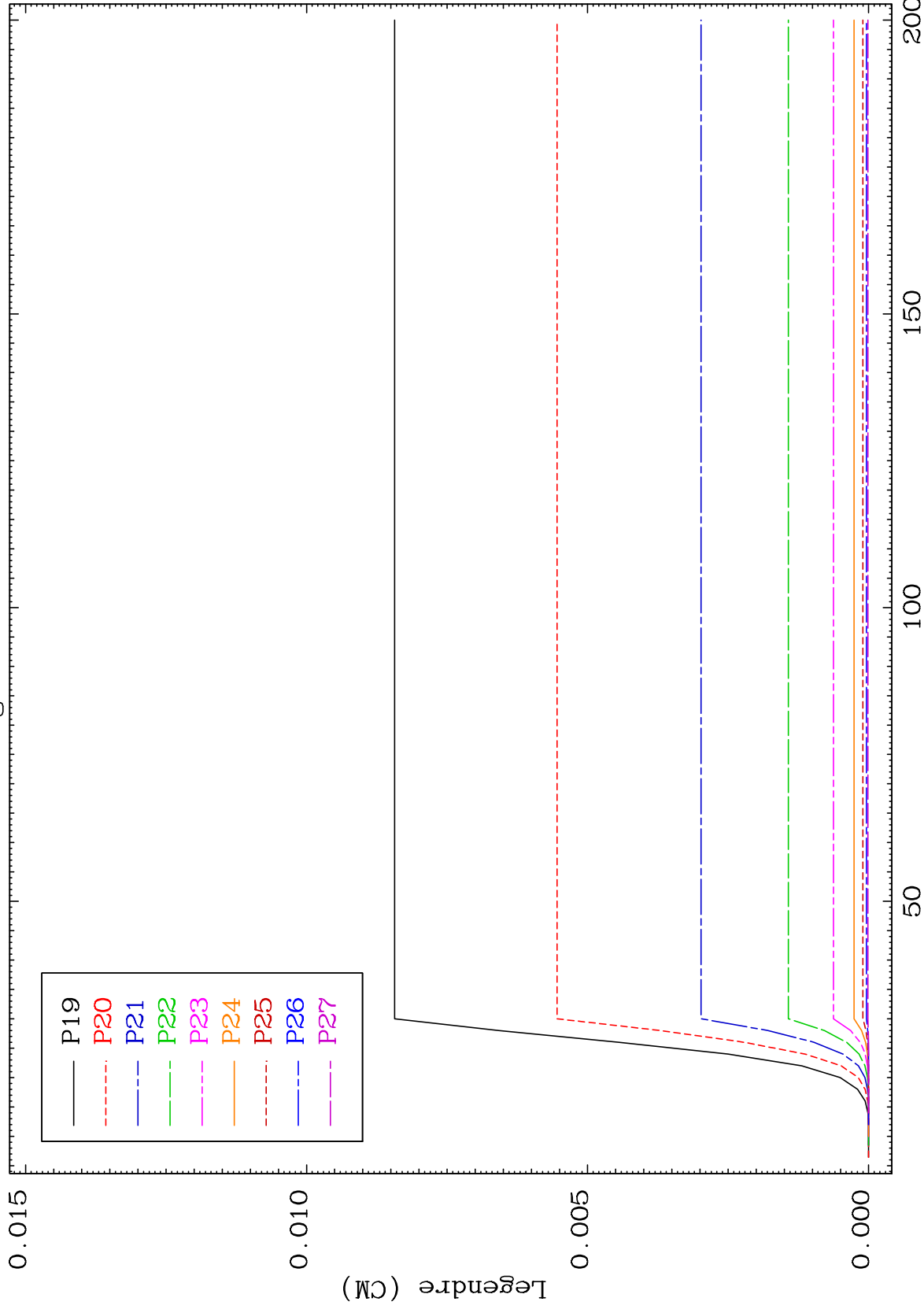
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



70

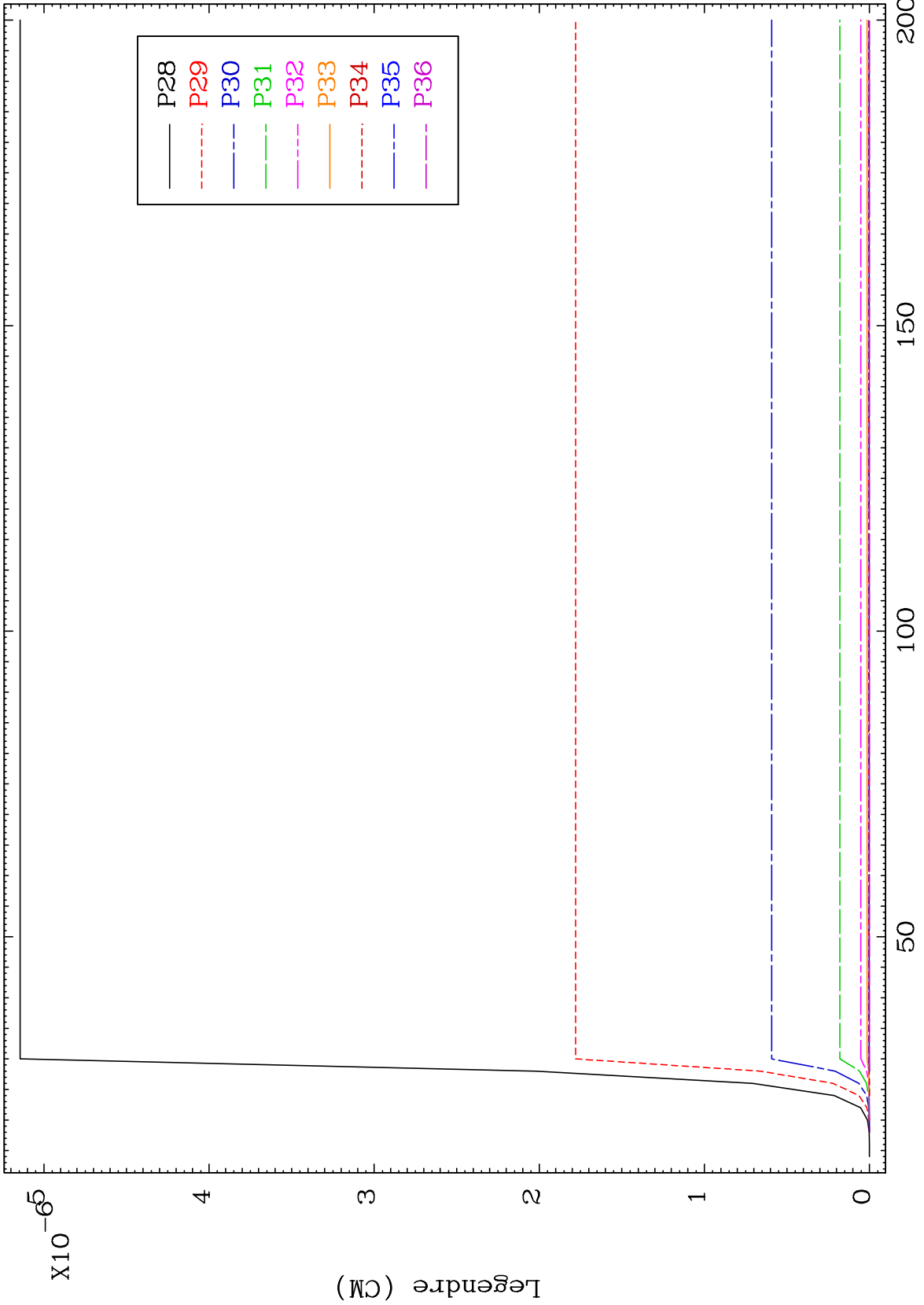
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



71

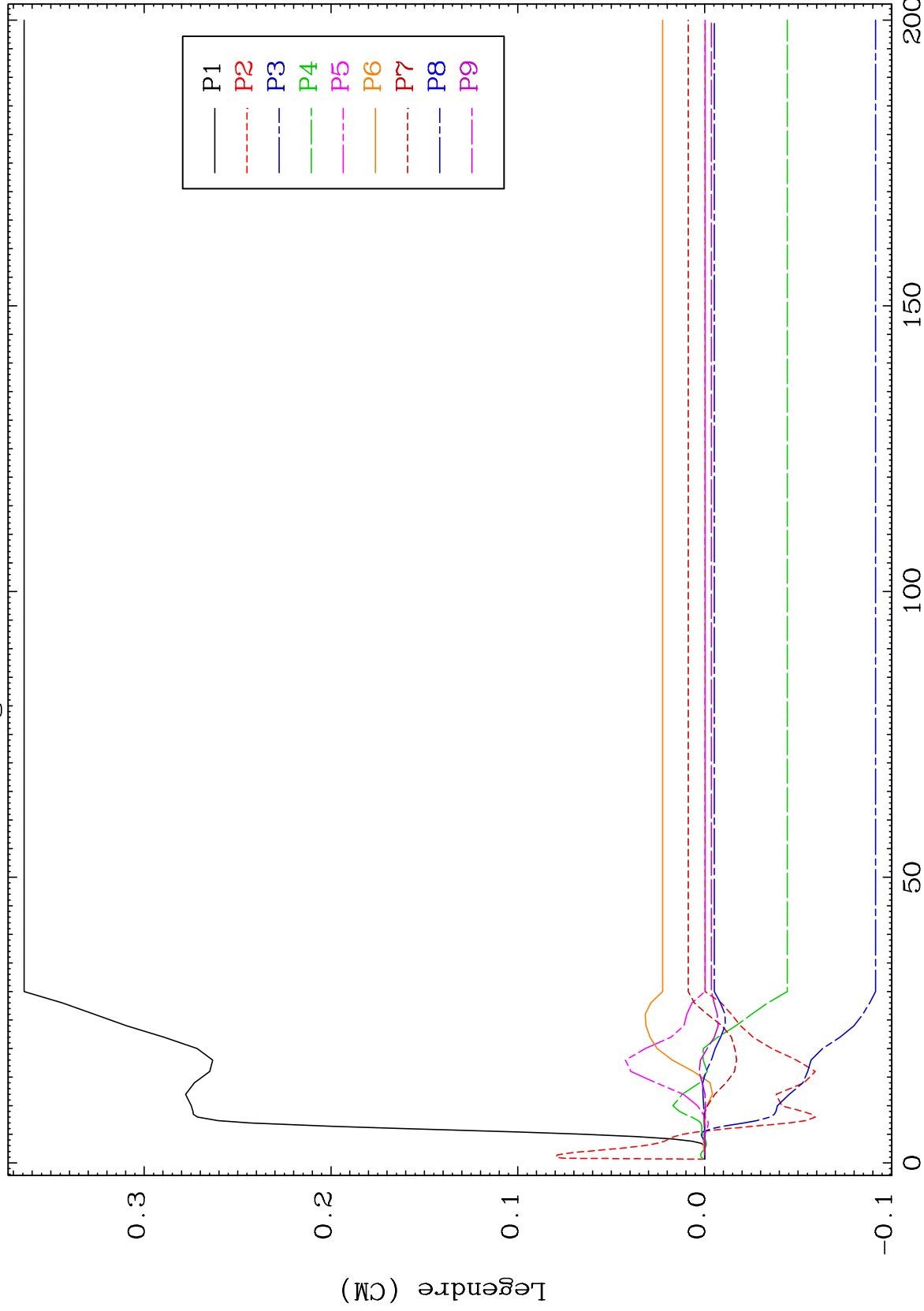
57-La-131



MAT 5704

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

57-La-131



72

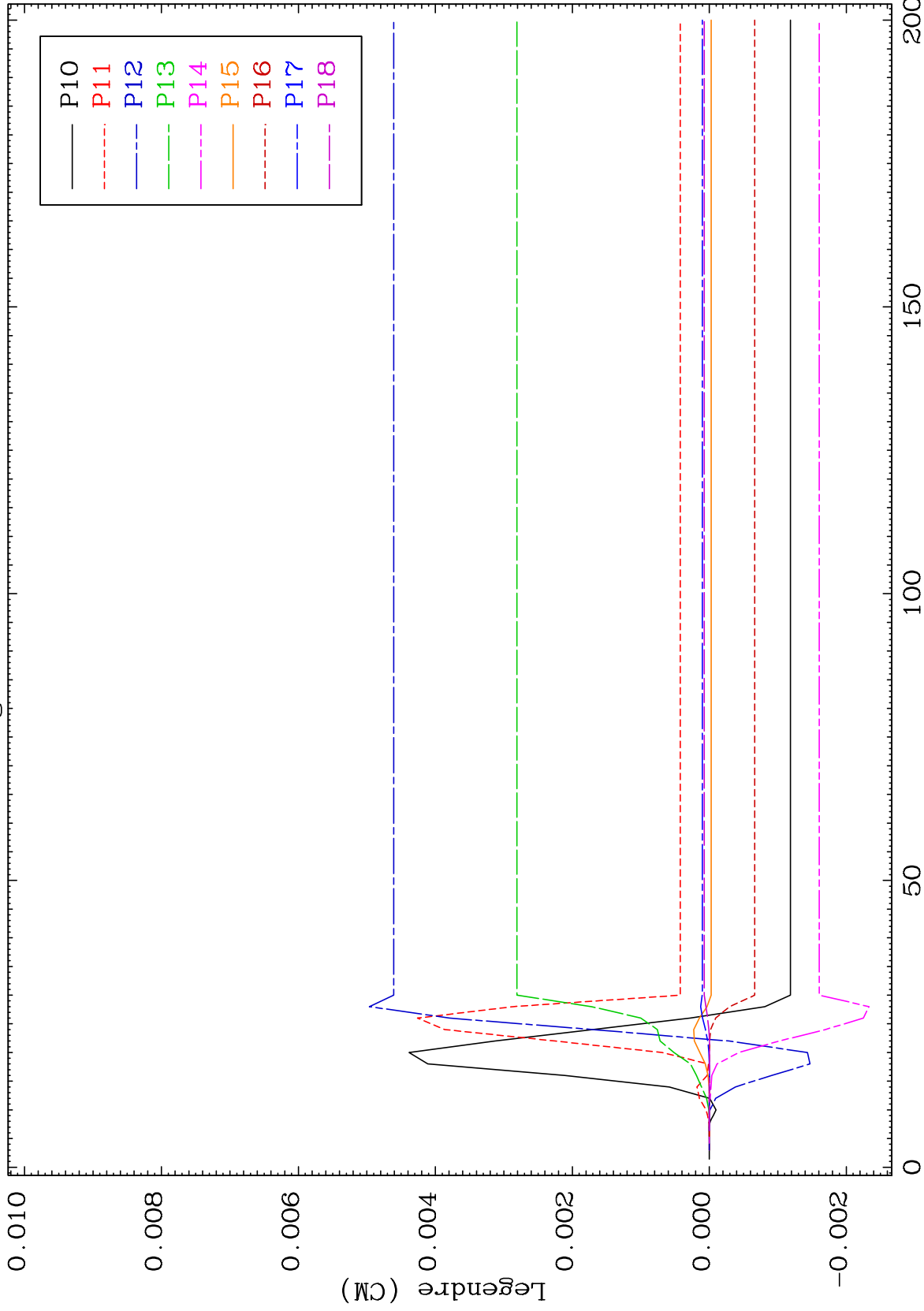
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



73

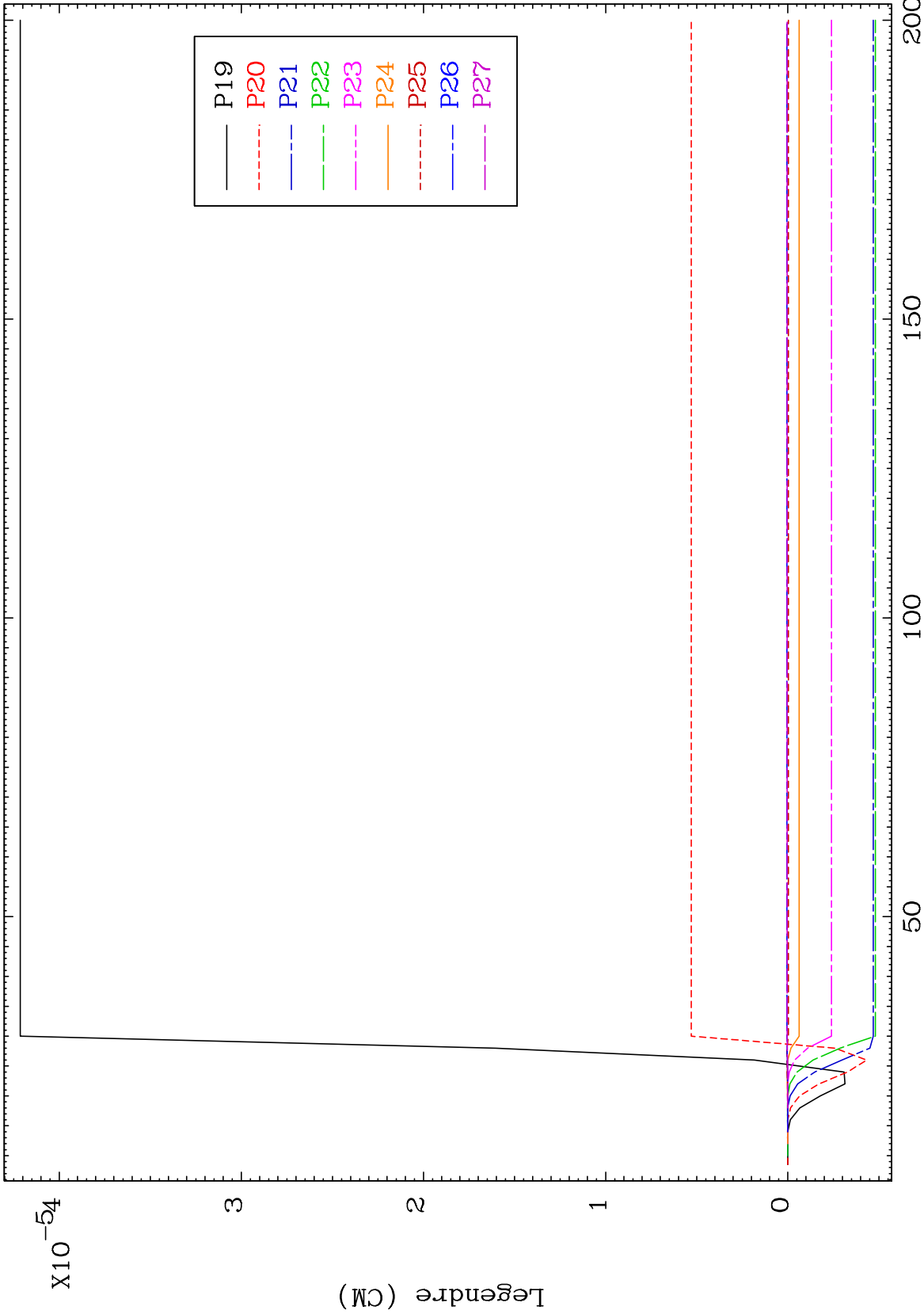
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



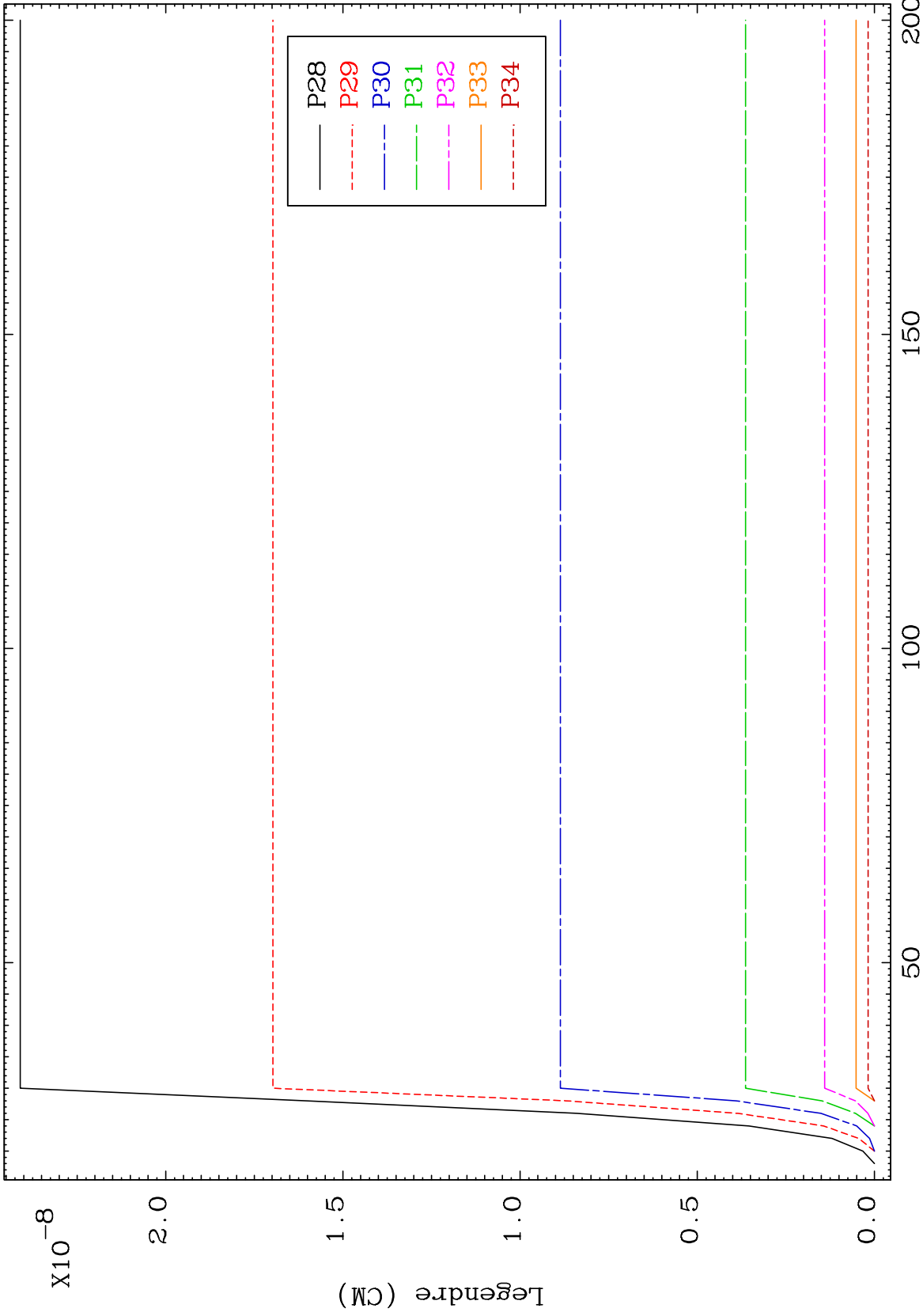
74

57-La-131

MAT 5704

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

57-La-131



75

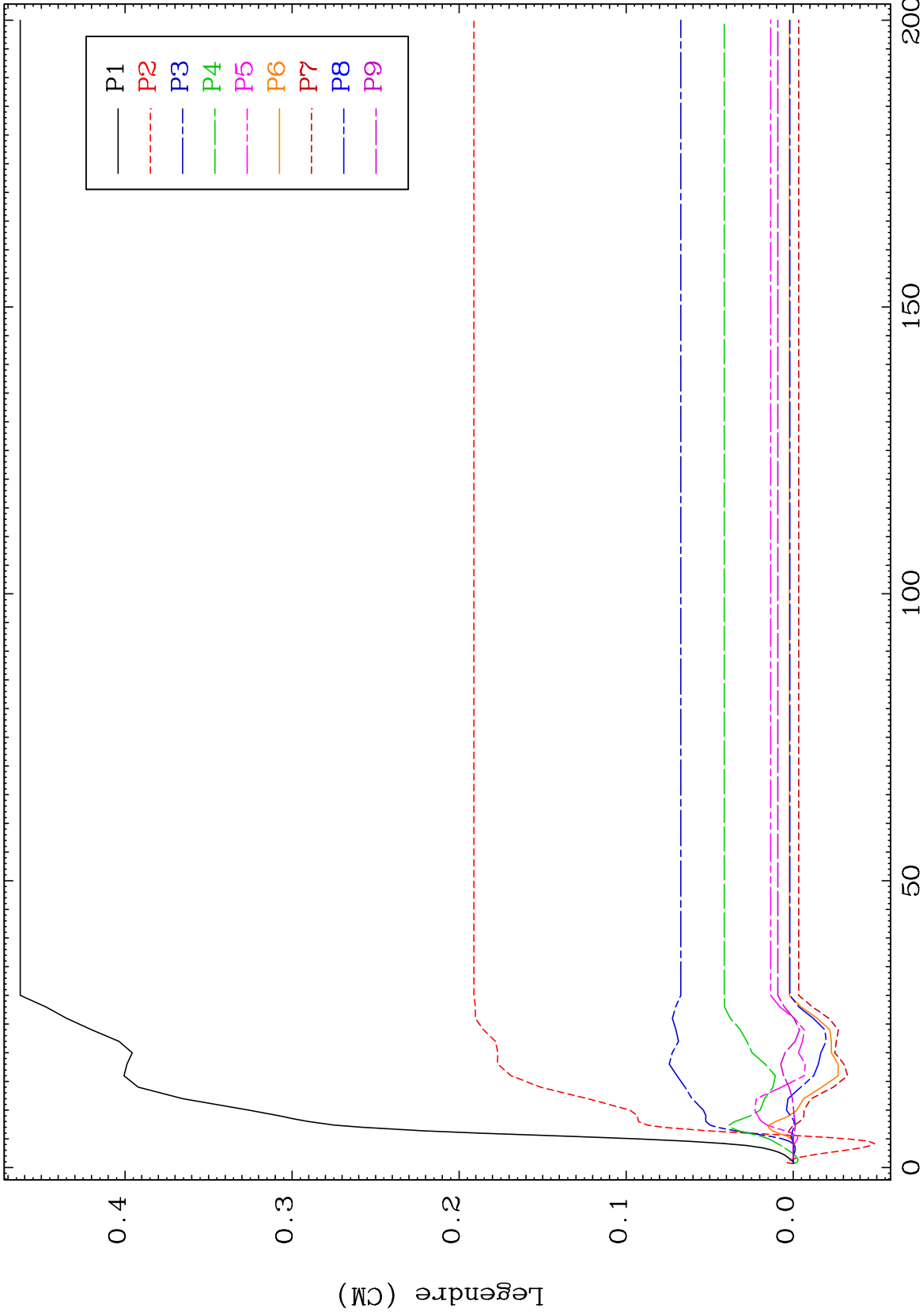
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



76

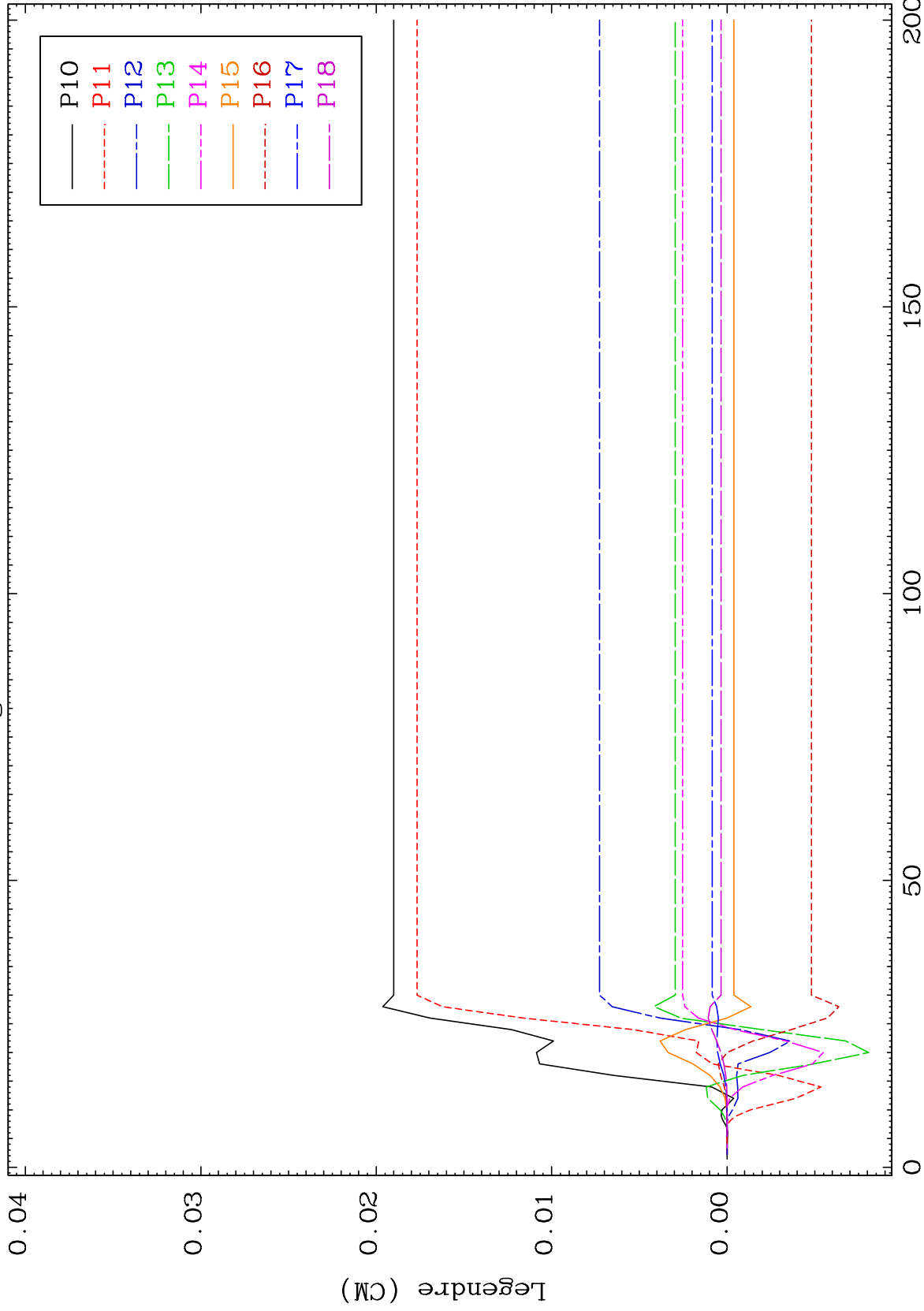
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



77

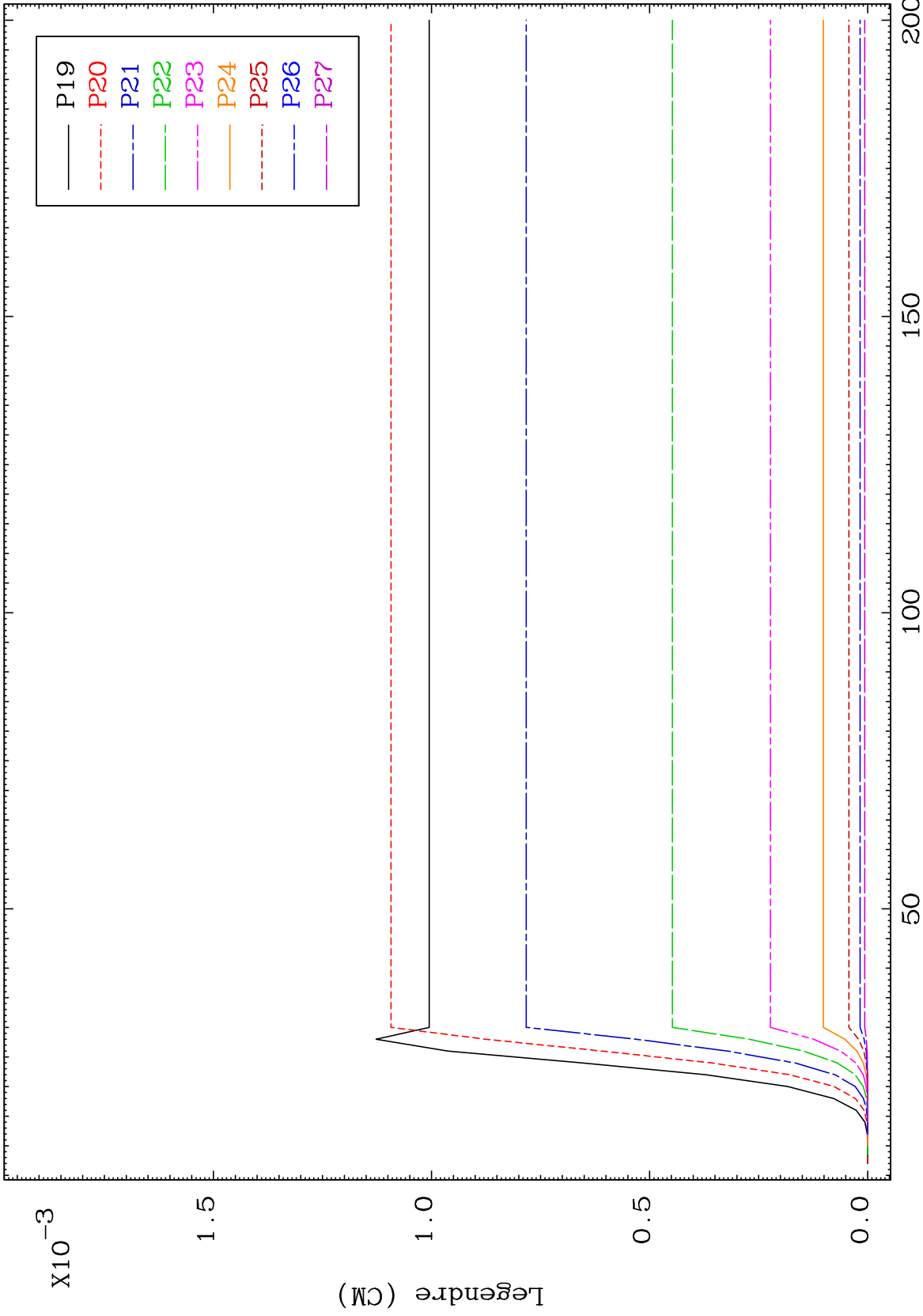
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



78

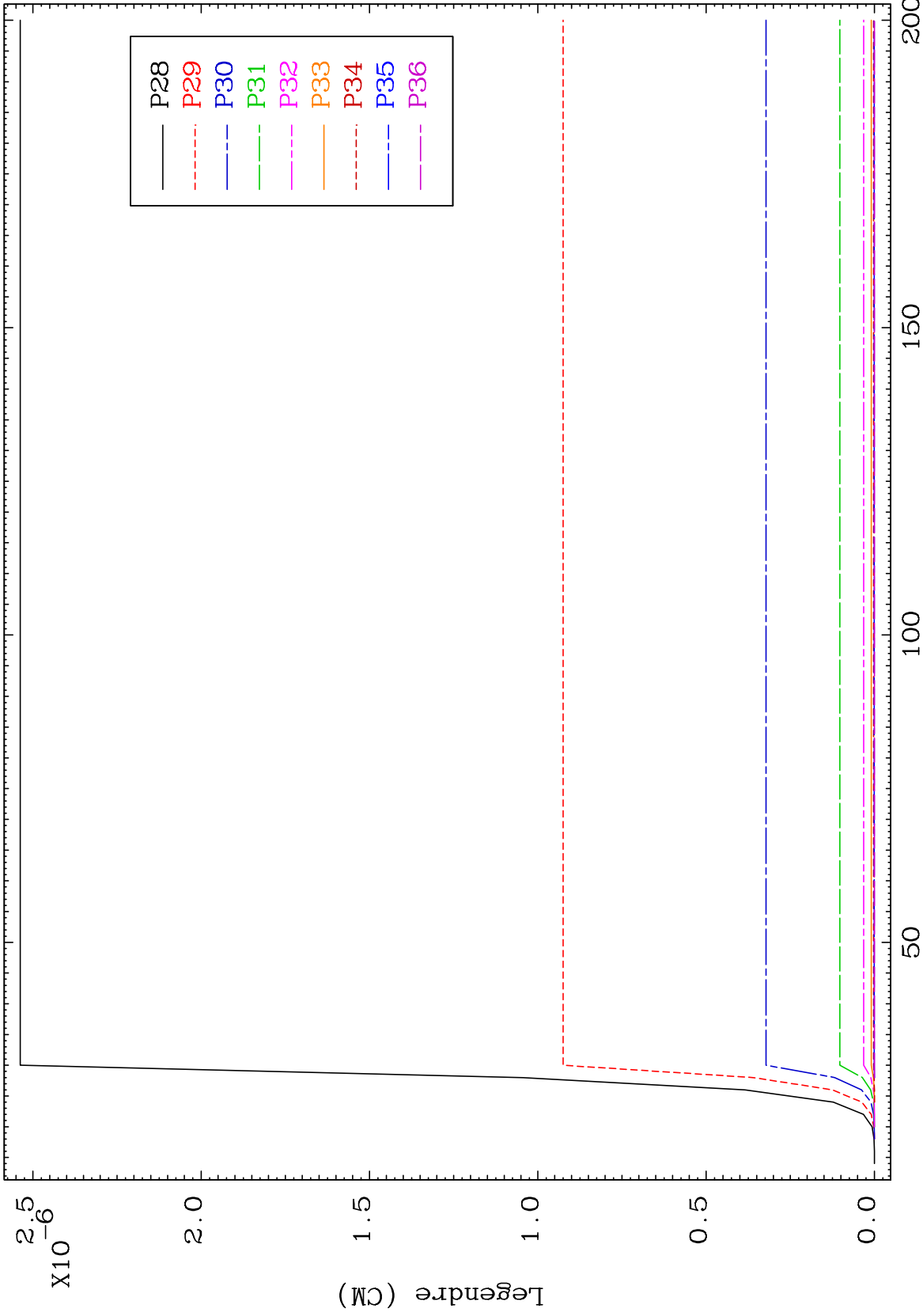
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



79

Incident Energy (MeV)

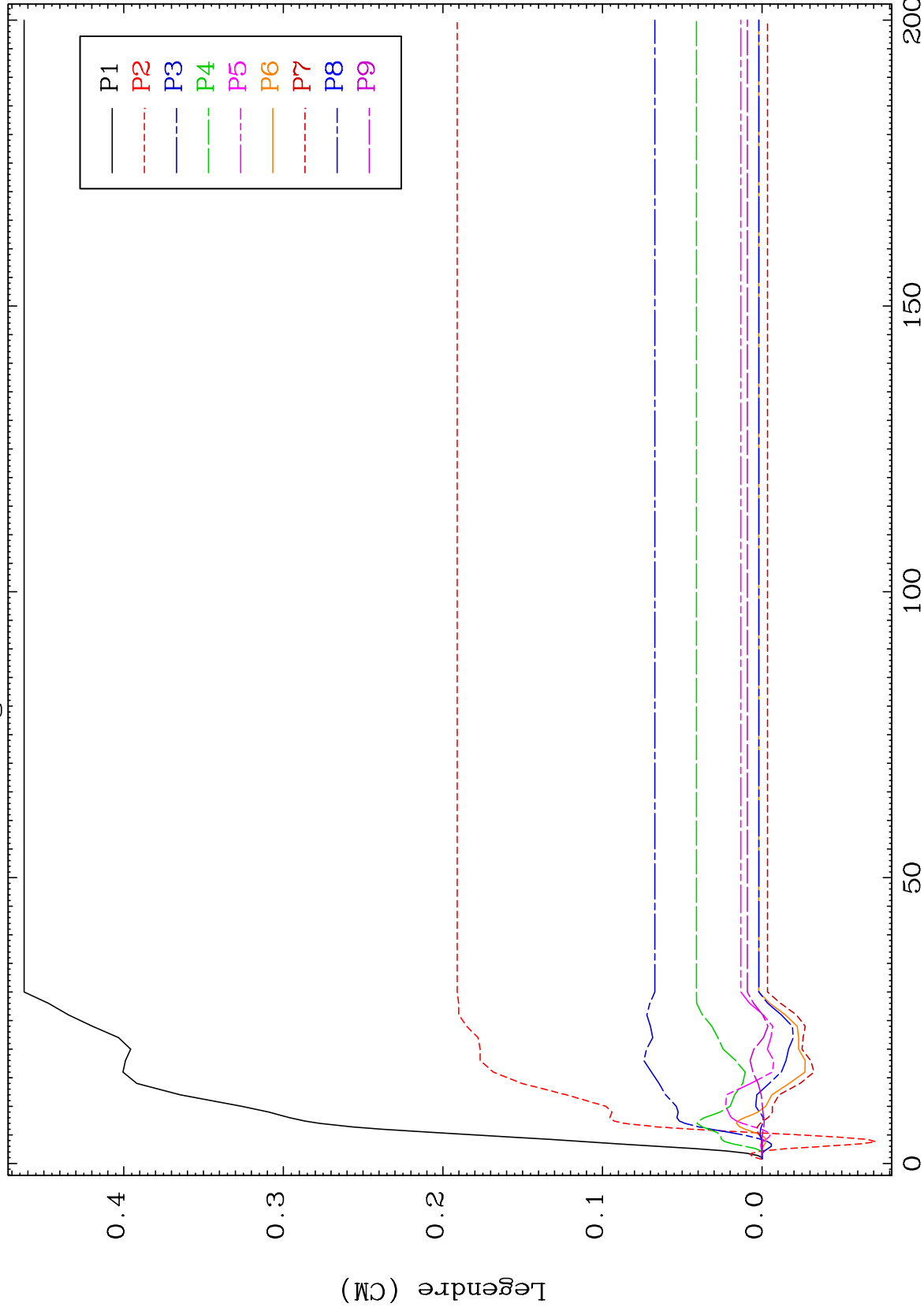
57-La-131



MAT 5704

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

57-La-131



57-La-131

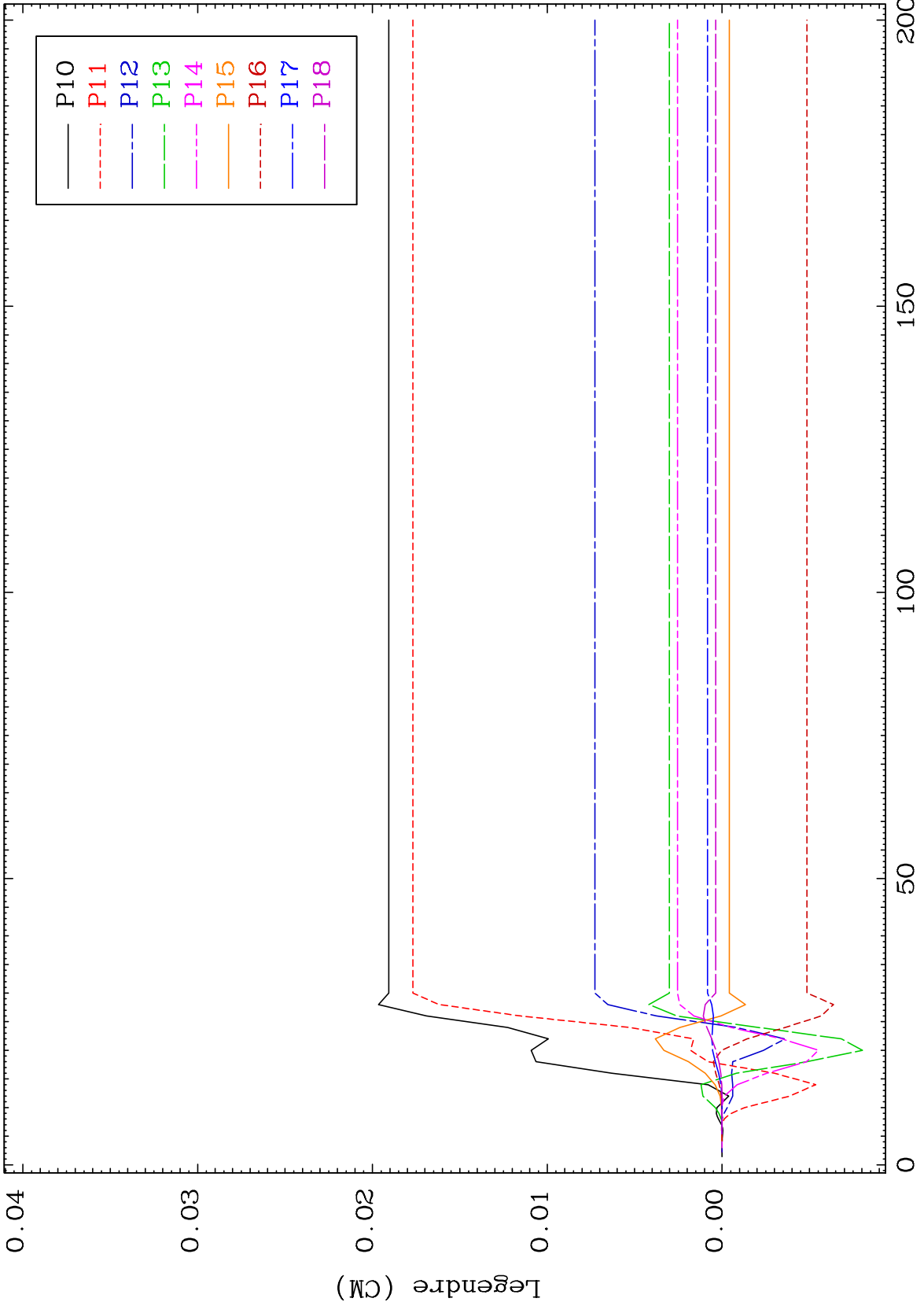
Incident Energy (MeV)

80

MAT 5704

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

57-La-131



81

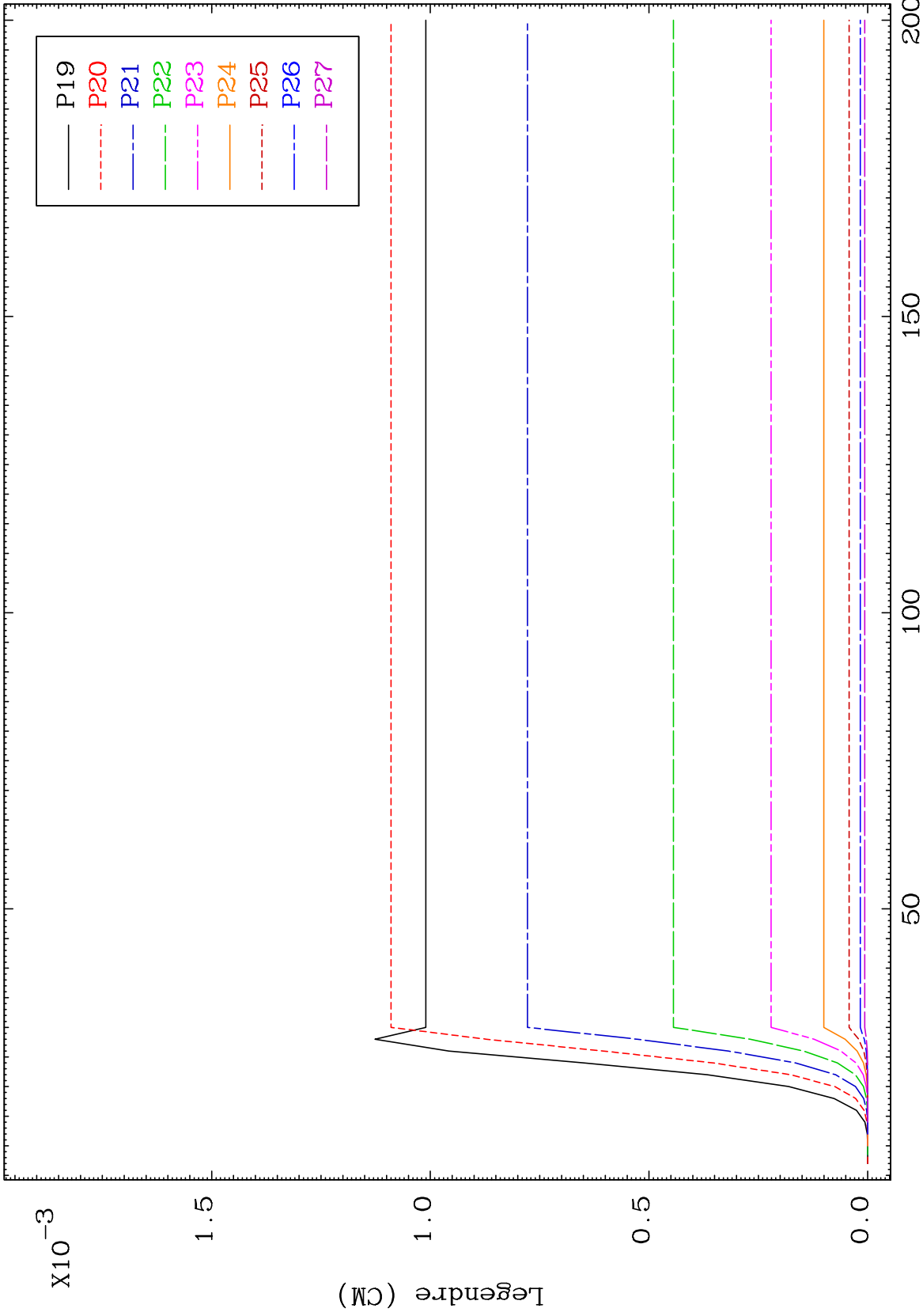
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



82

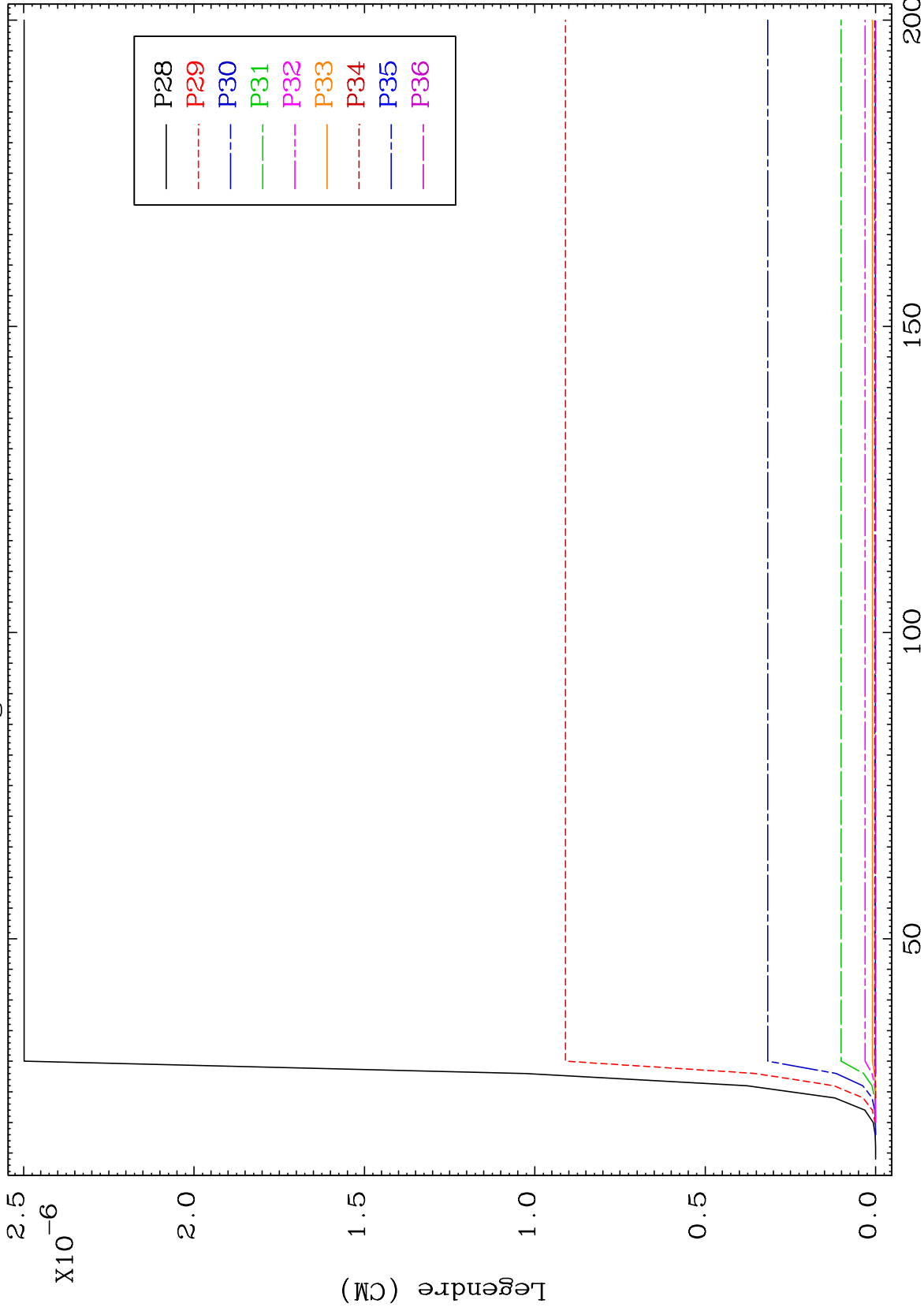
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



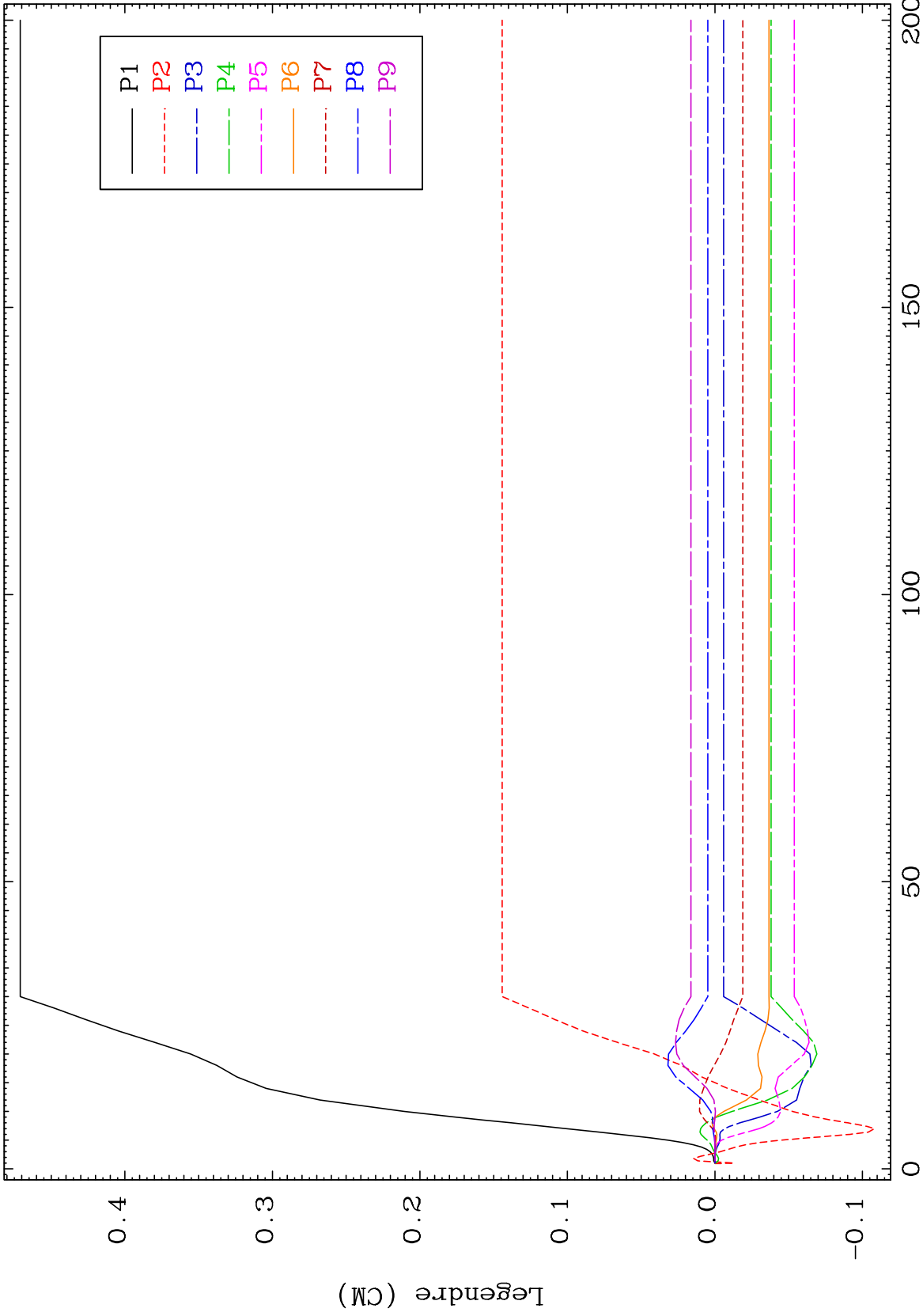
83

57-La-131

MAT 5704

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

57-La-131



84

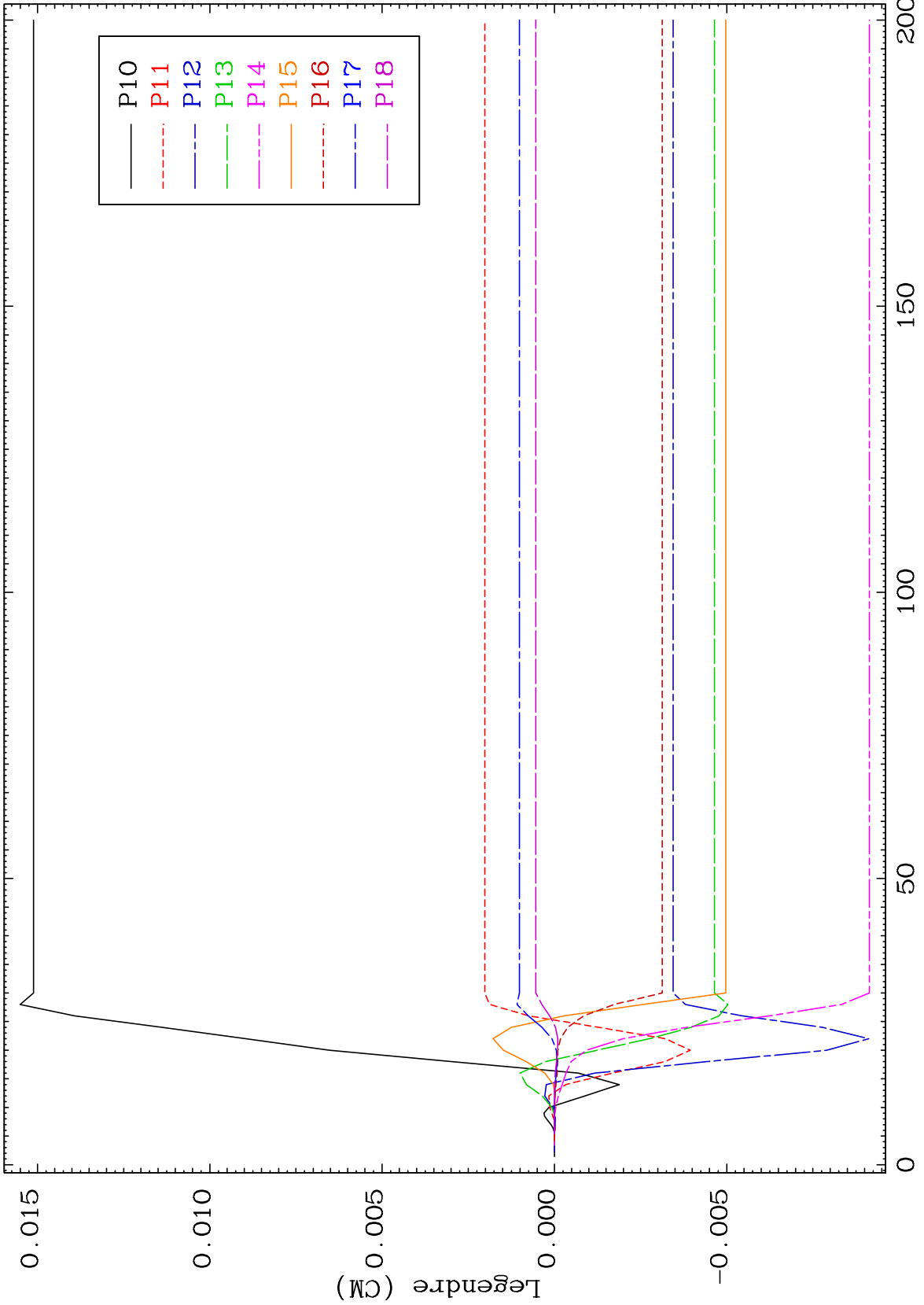
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



85

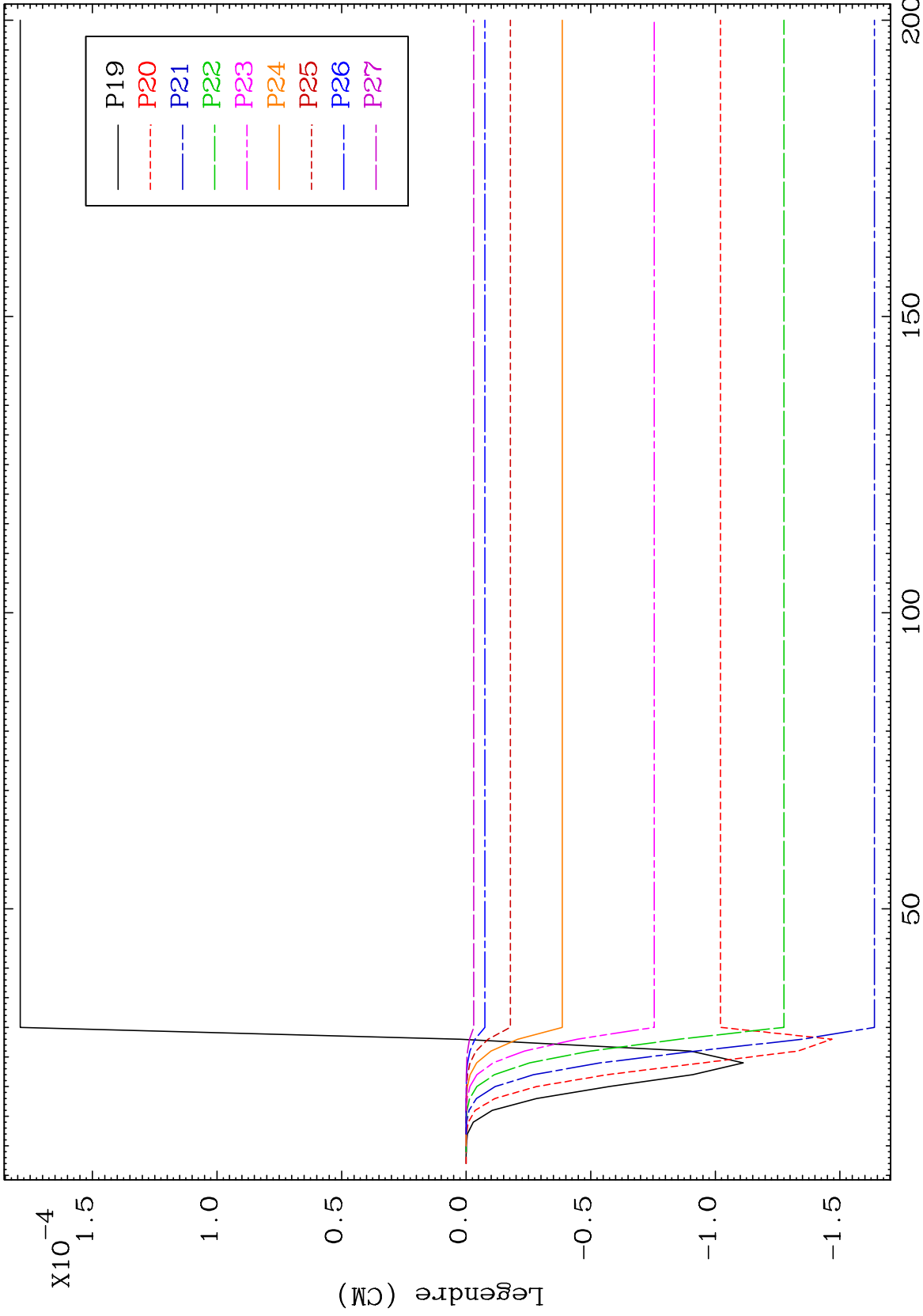
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131

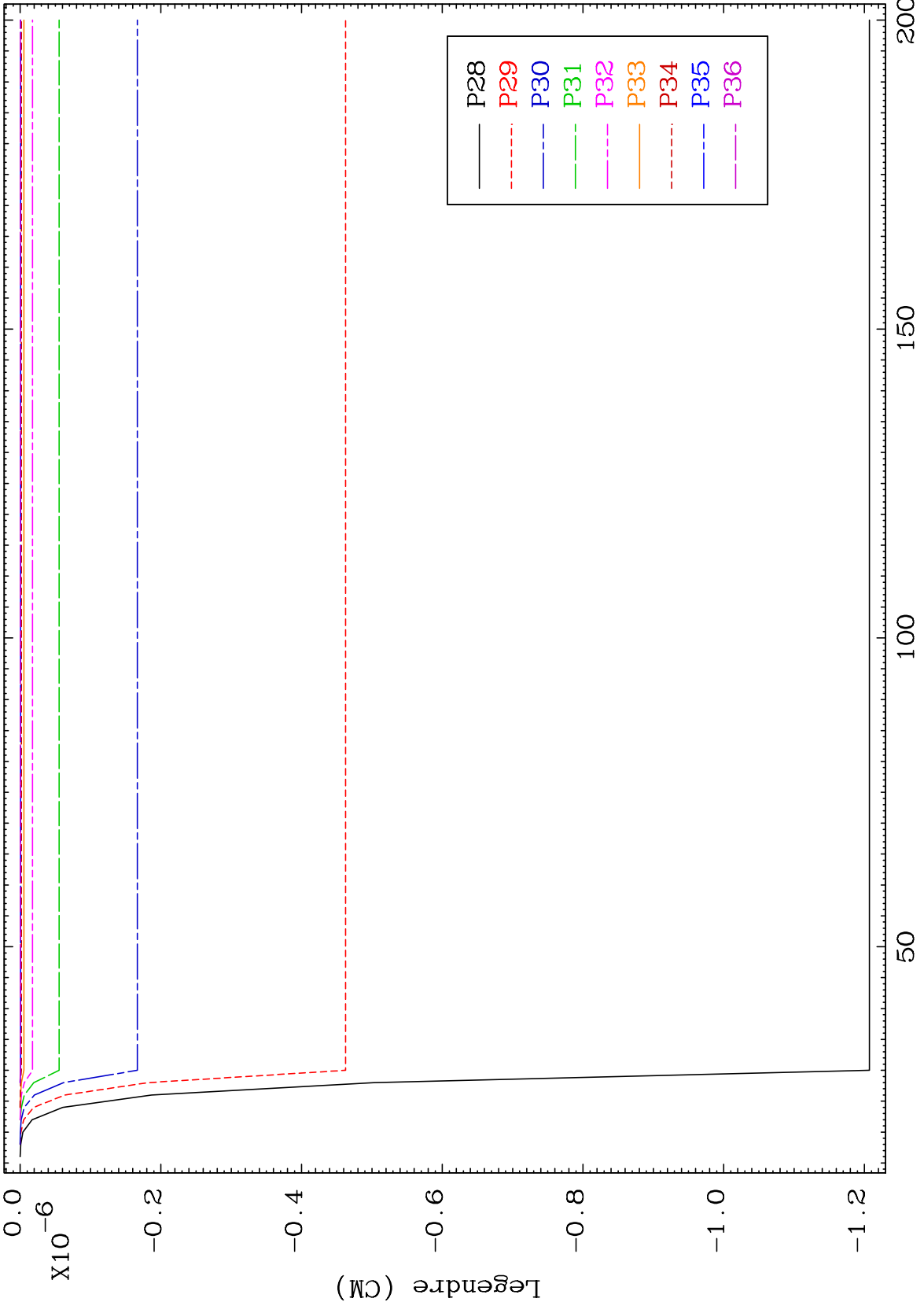


86

Incident Energy (MeV)

57-La-131

MAT 5704 MT= 67 (n,n') Level Legendre Coefficients 57-La-131



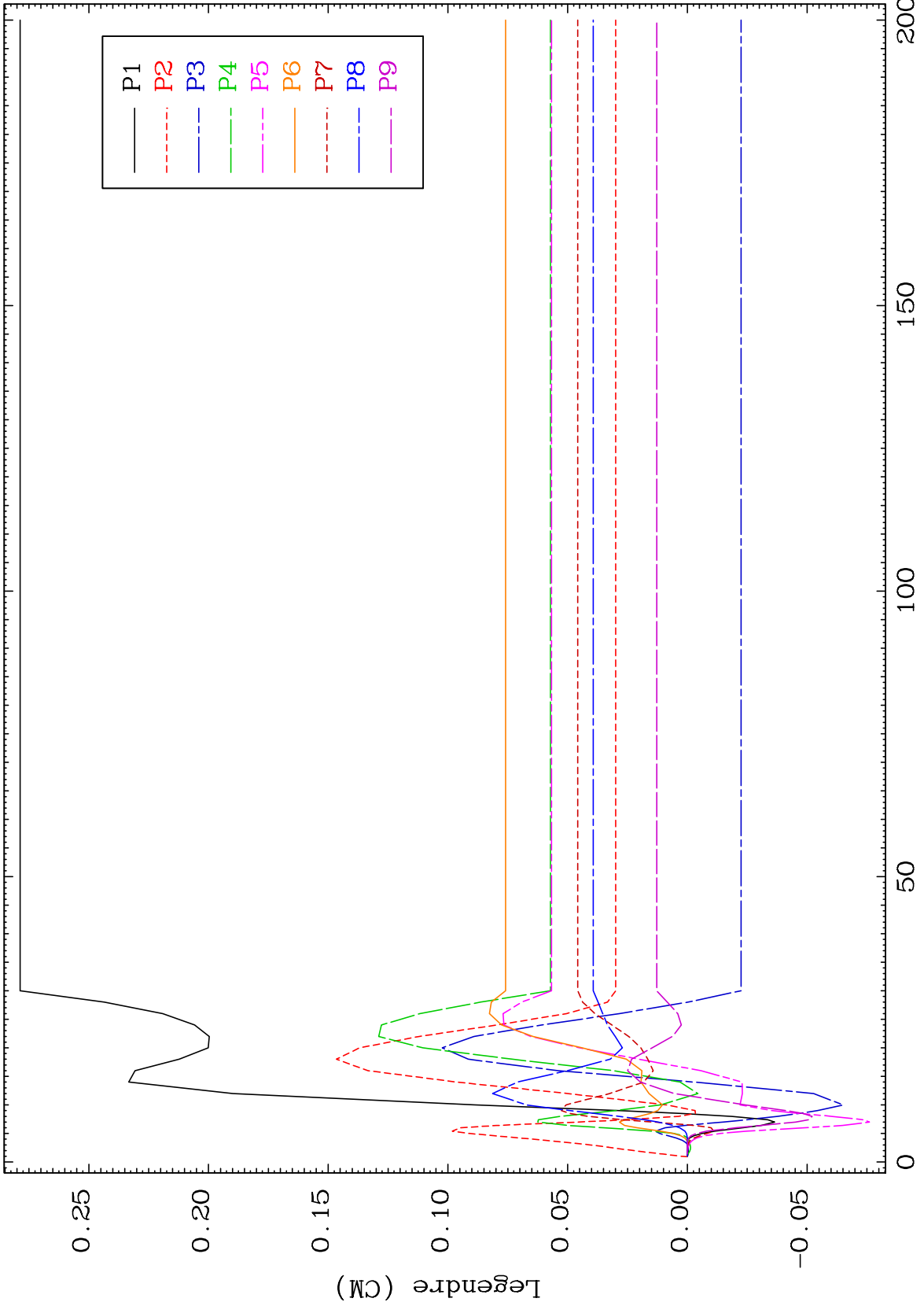
87 57-La-131



MAT 5704

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

57-La-131



88

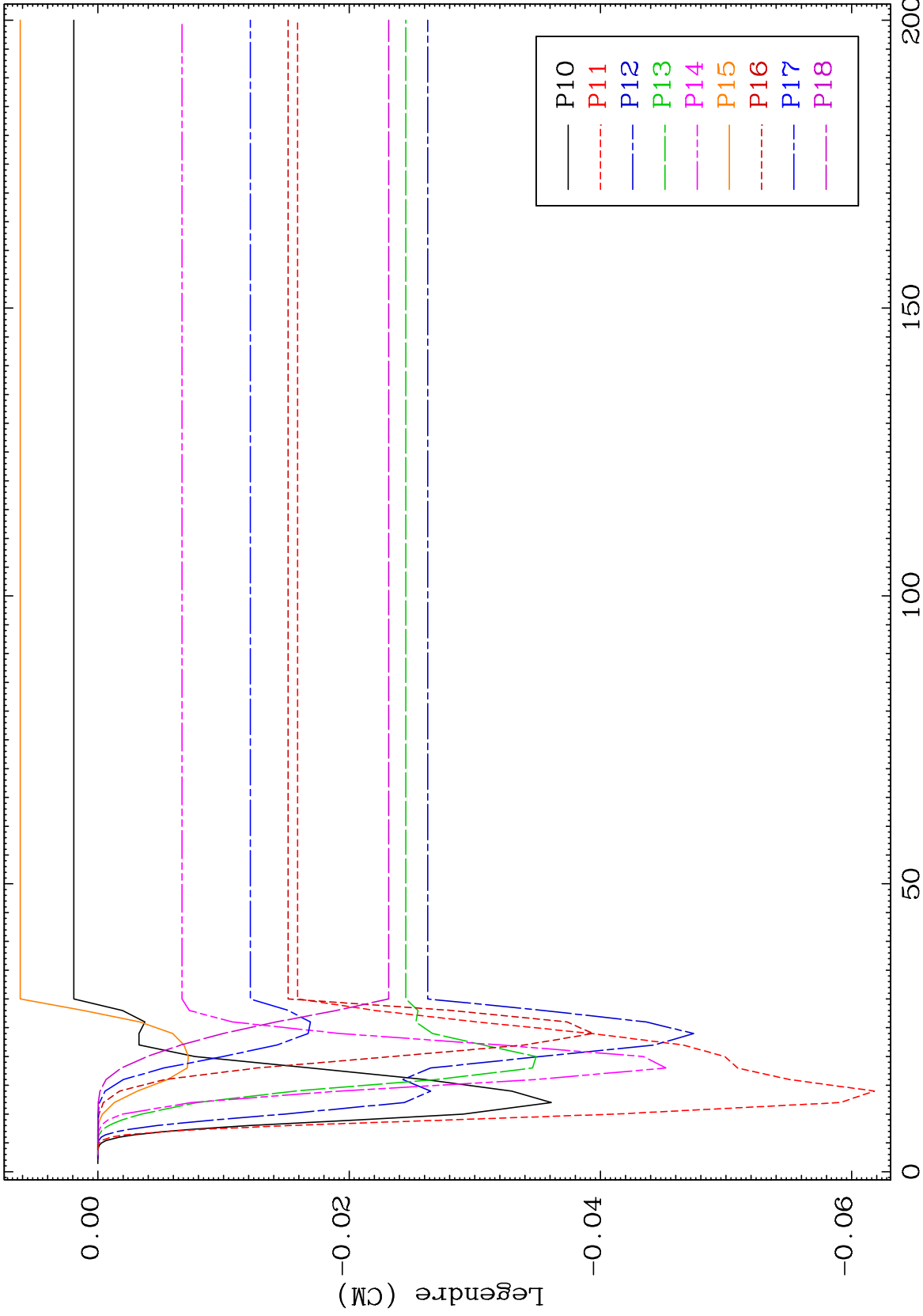
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131

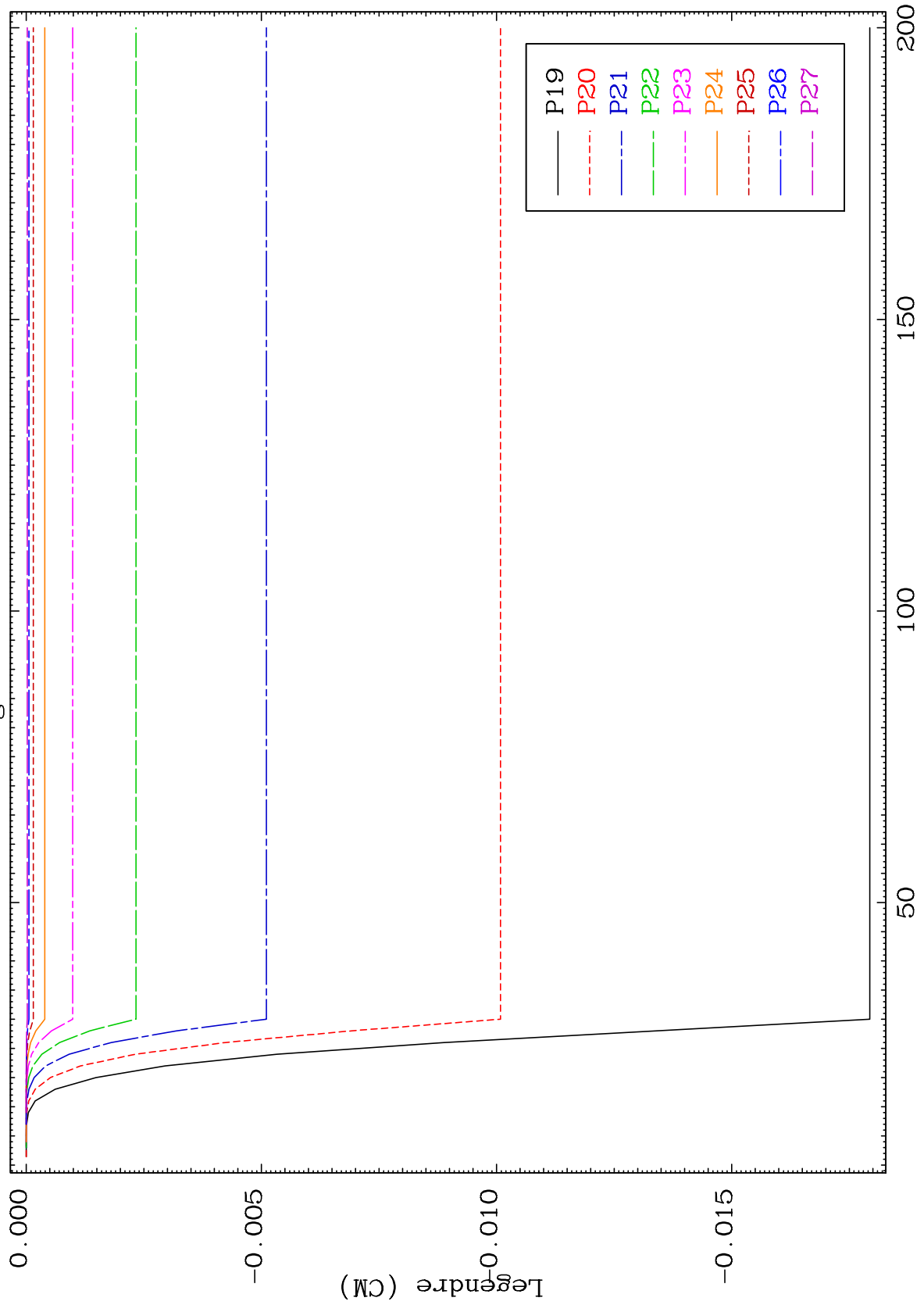


89

Incident Energy (MeV)

57-La-131

MAT 5704 MT= 68 (n,n') Level Legendre Coefficients 57-La-131

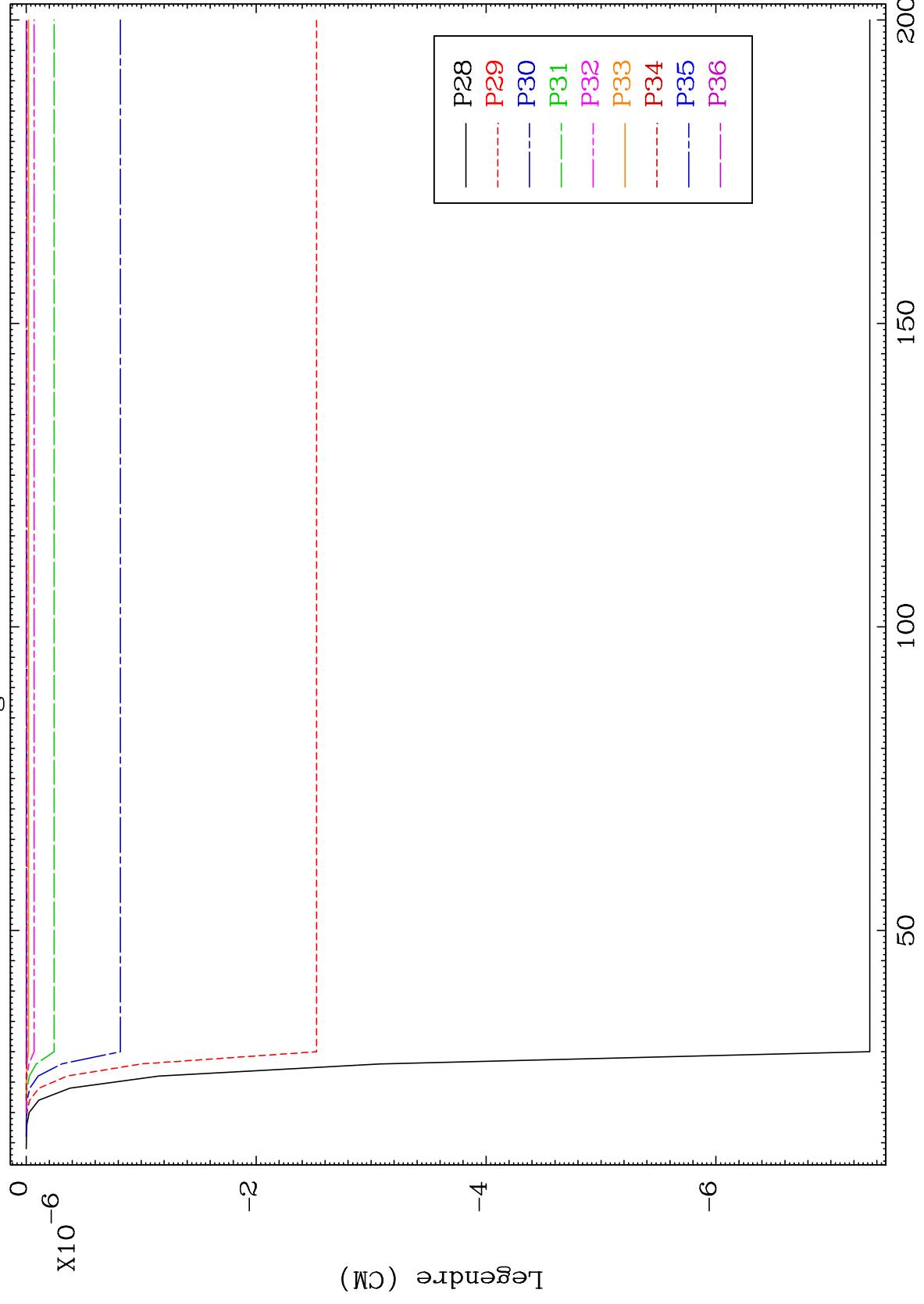


90 Incident Energy (MeV) 57-La-131

MAT 5704

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

57-La-131



57-La-131

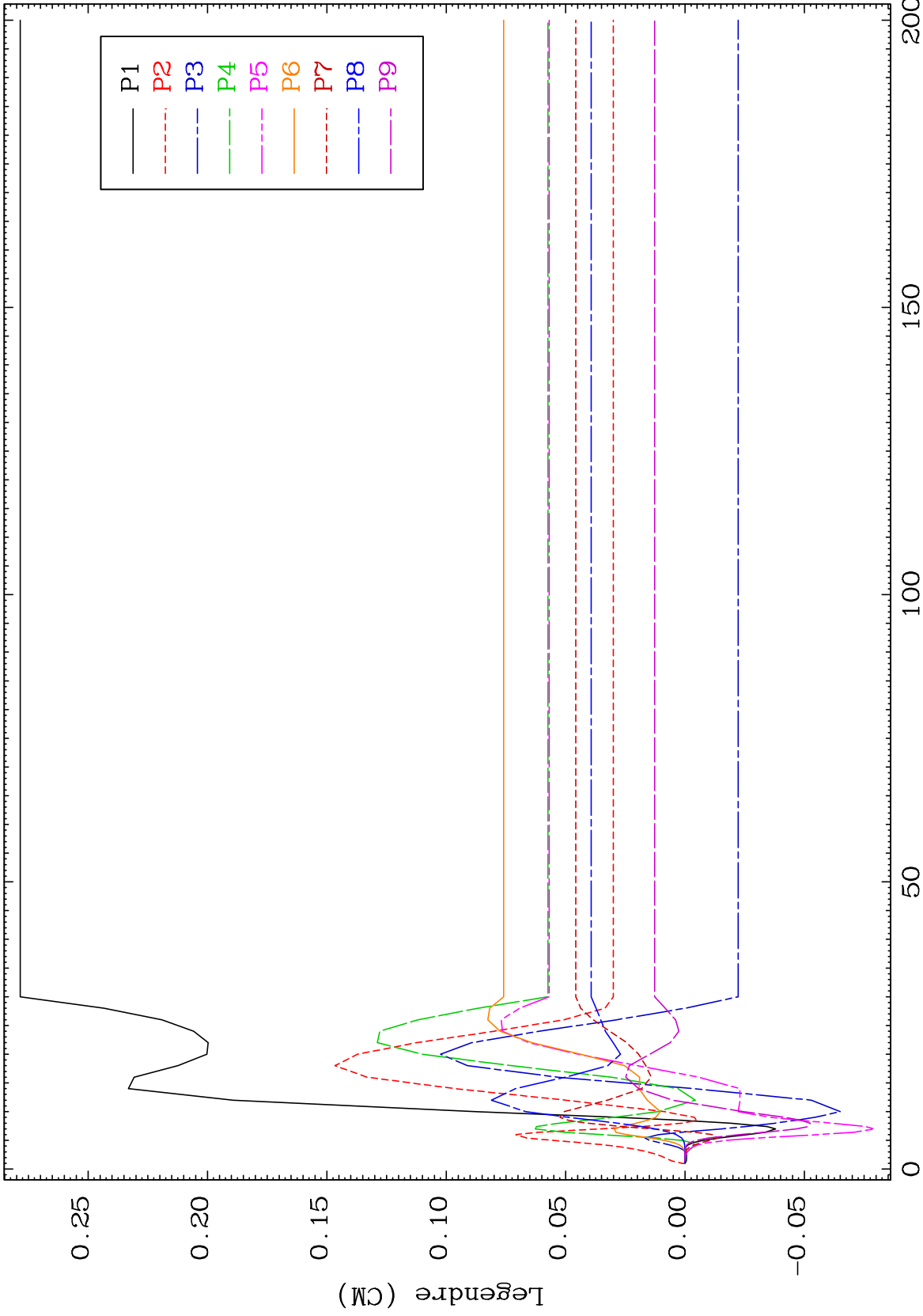
Incident Energy (MeV)

91

MAT 5704

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

57-La-131



92

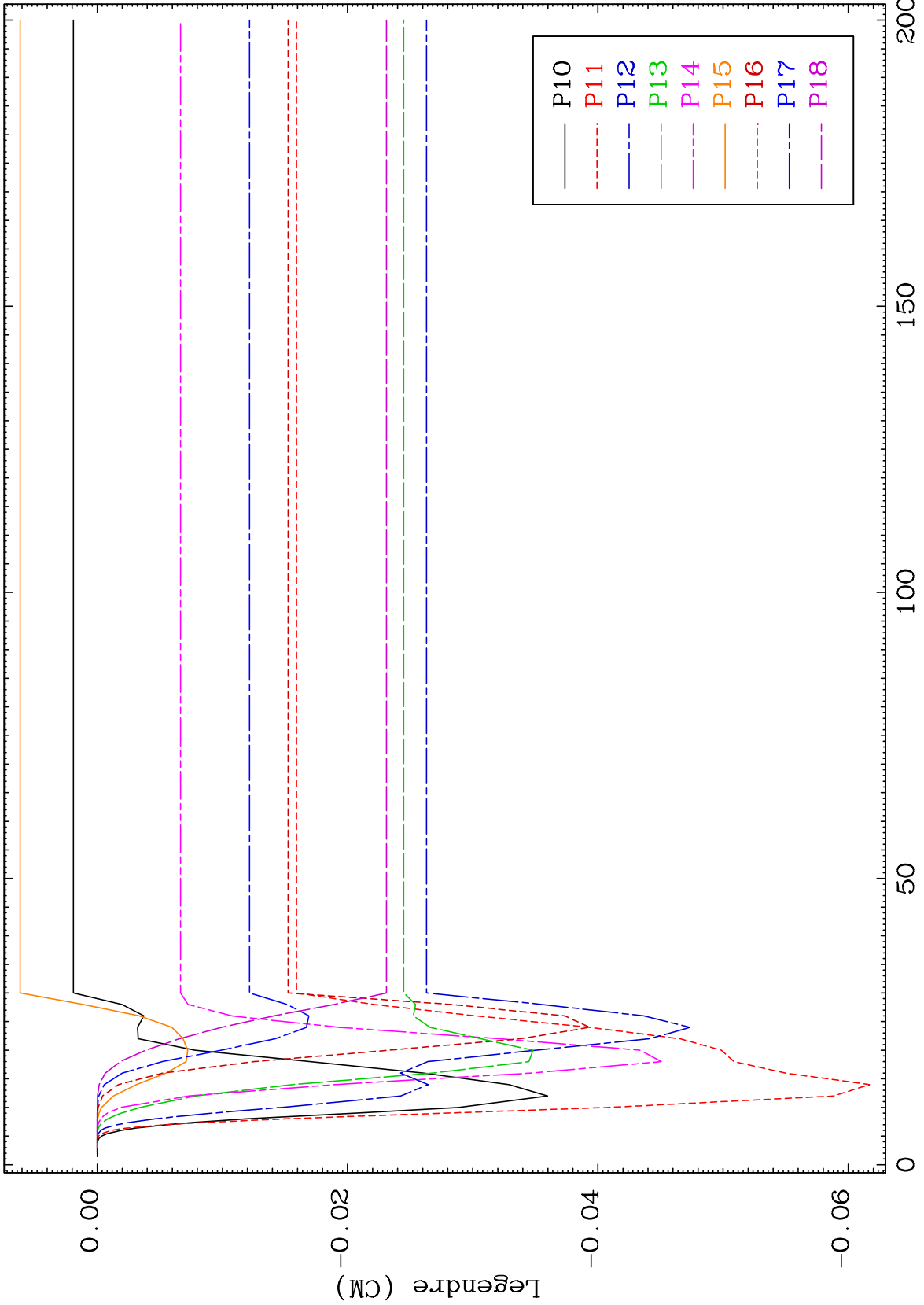
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131

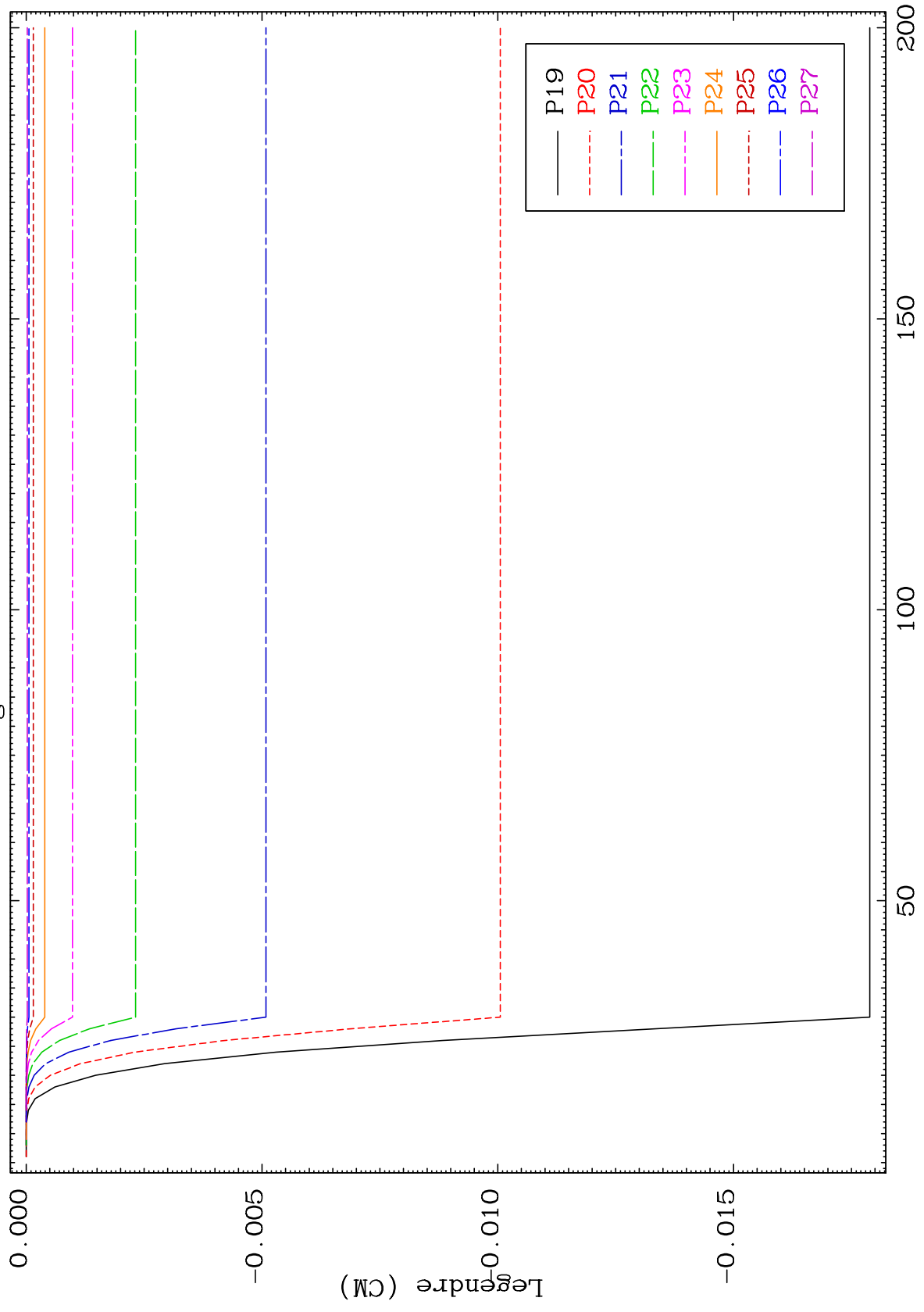


93

Incident Energy (MeV)

57-La-131

MAT 5704 MT= 69 (n,n') Level Legendre Coefficients 57-La-131

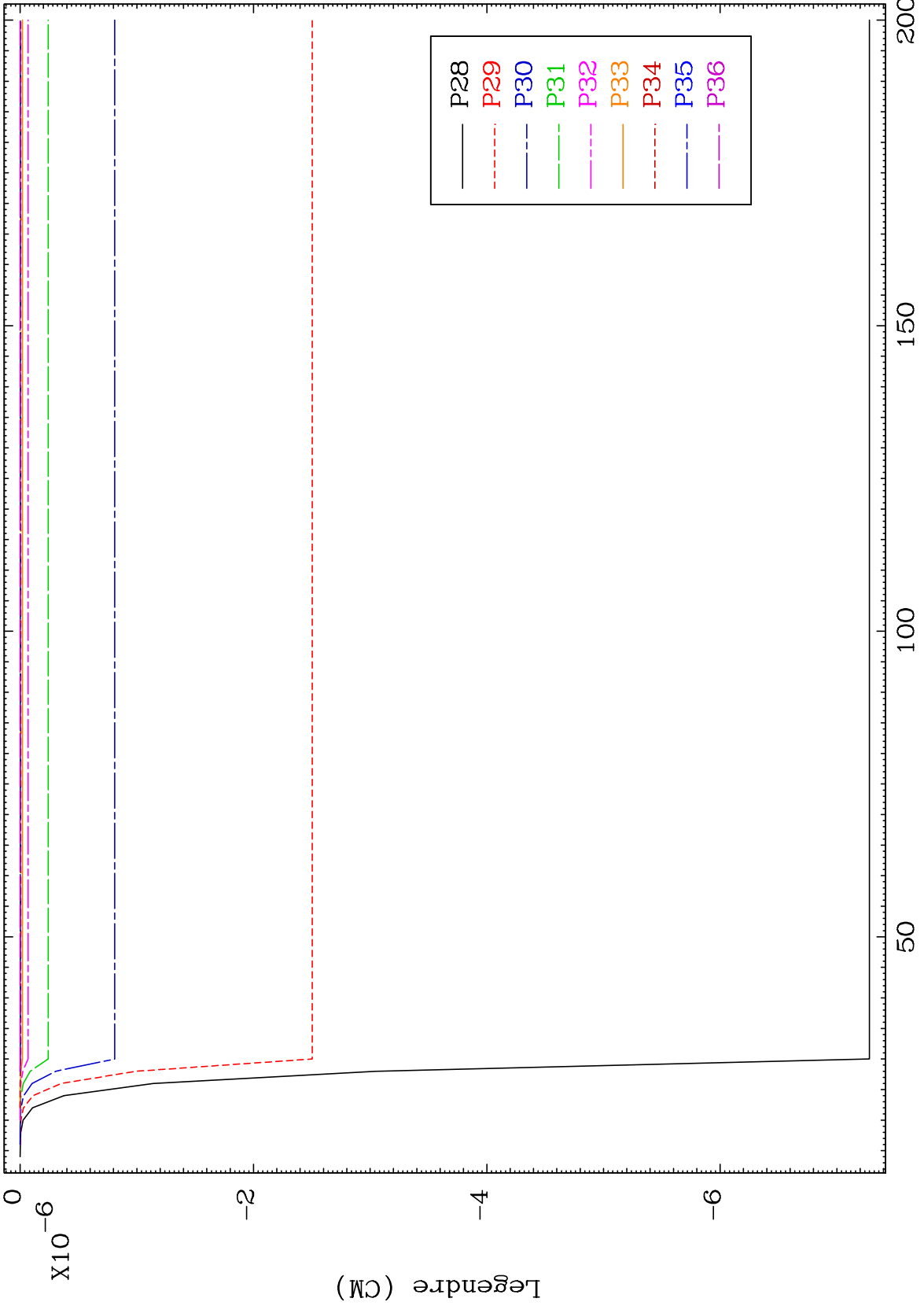


94 57-La-131

MAT 5704

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

57-La-131



57-La-131

Incident Energy (MeV)

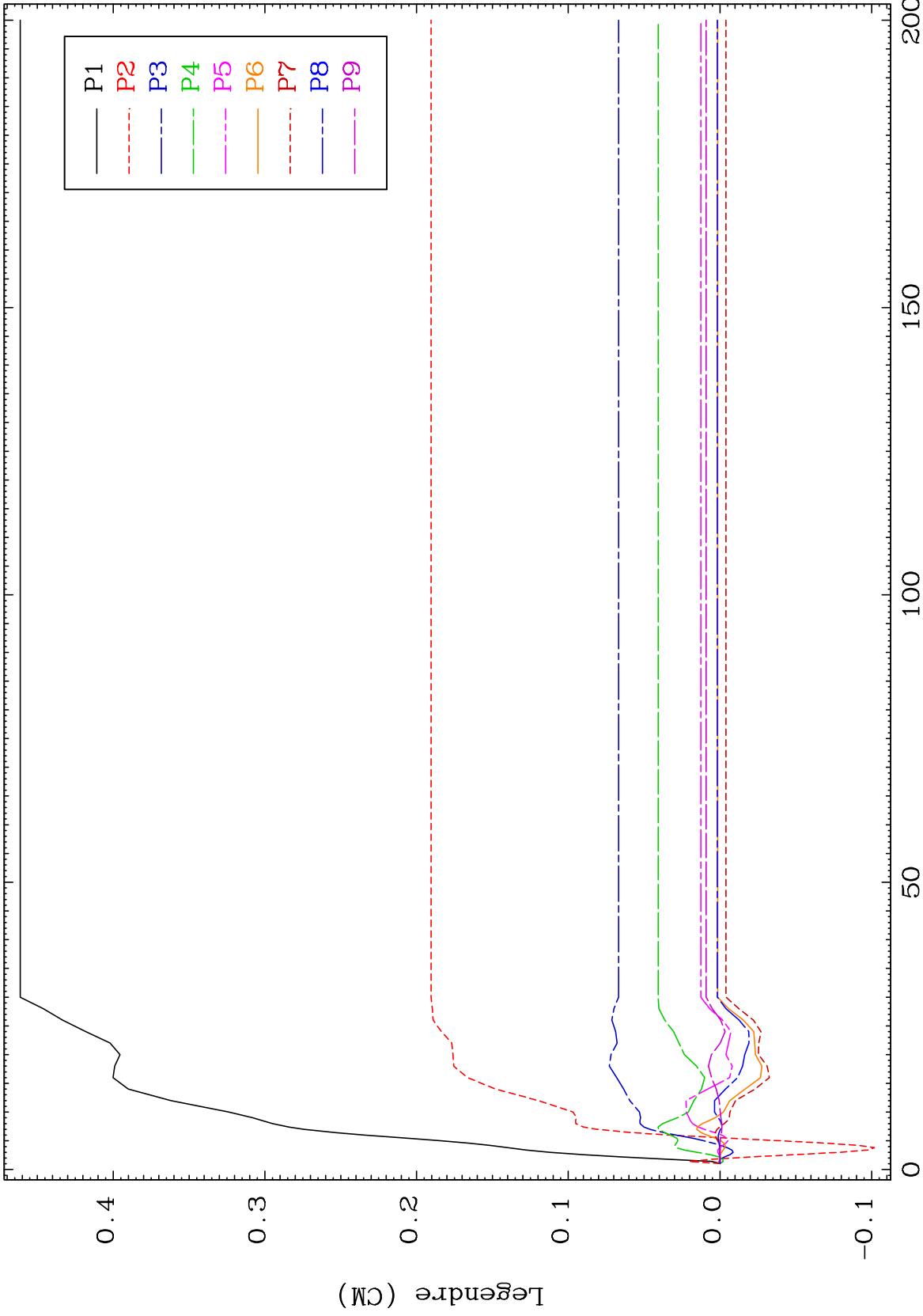
95



MAT 5704

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

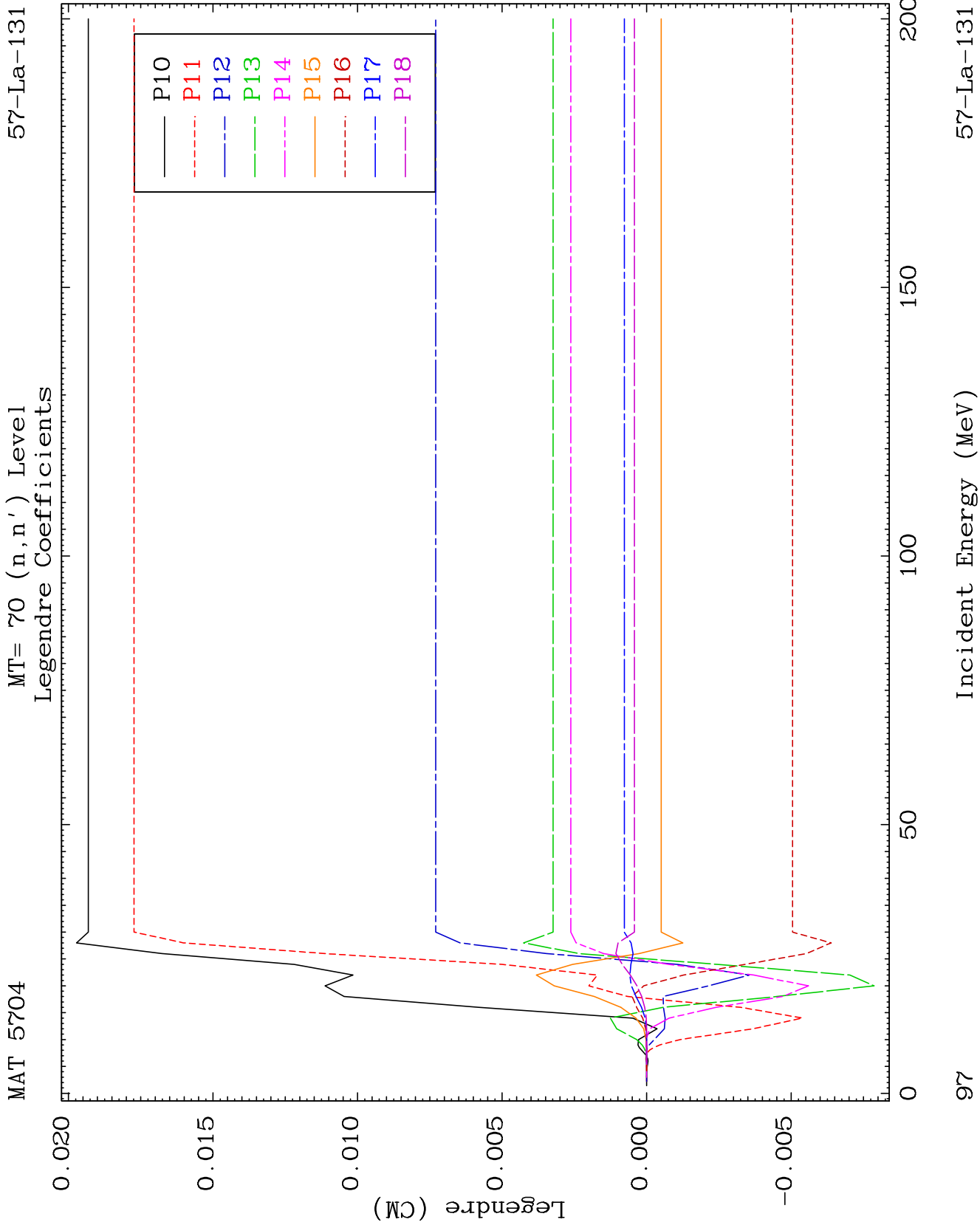
57-La-131



96

Incident Energy (MeV)

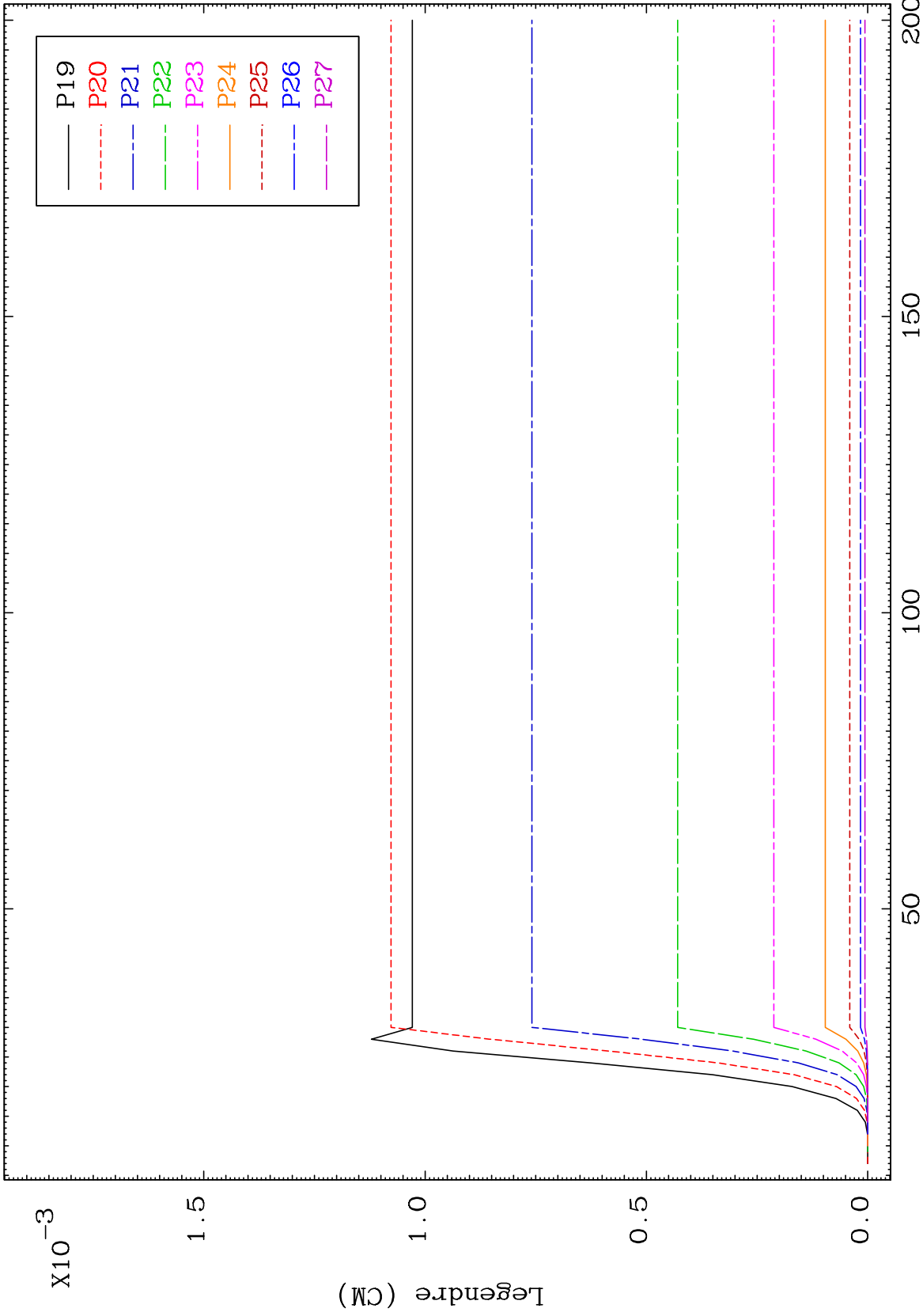
57-La-131



MAT 5704

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

57-La-131



98

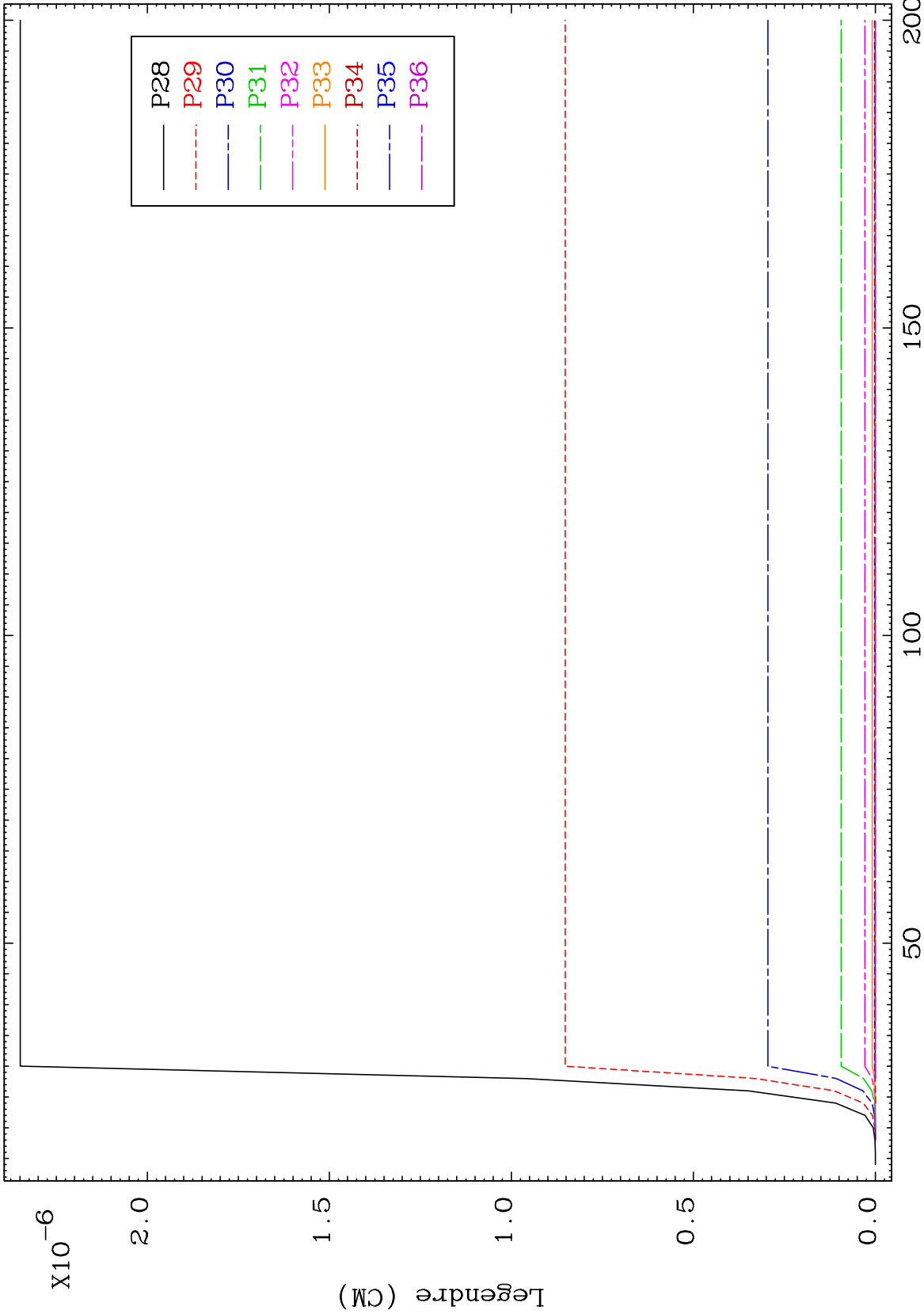
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



99

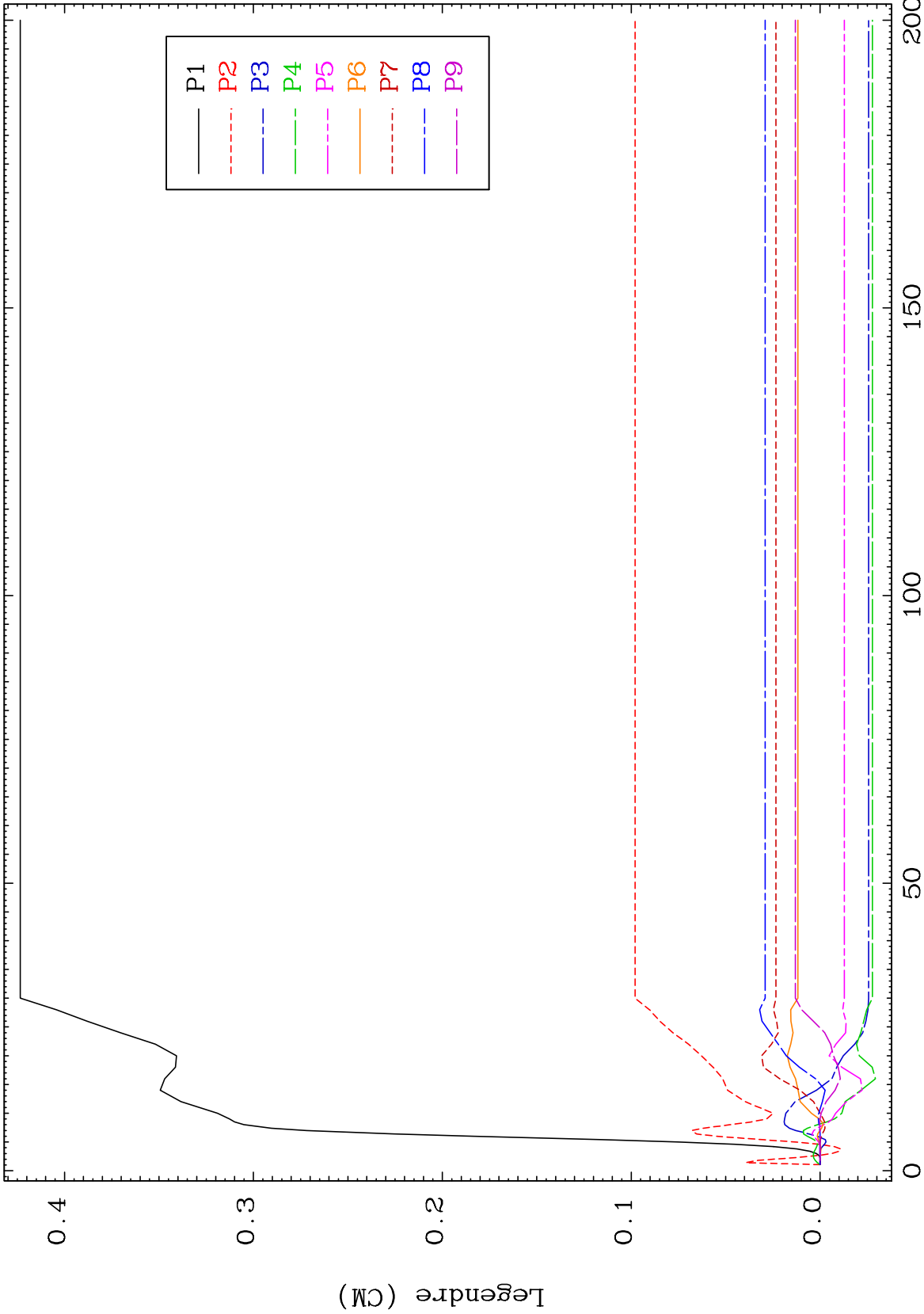
Incident Energy (MeV)

57-La-131

MAT 5704

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

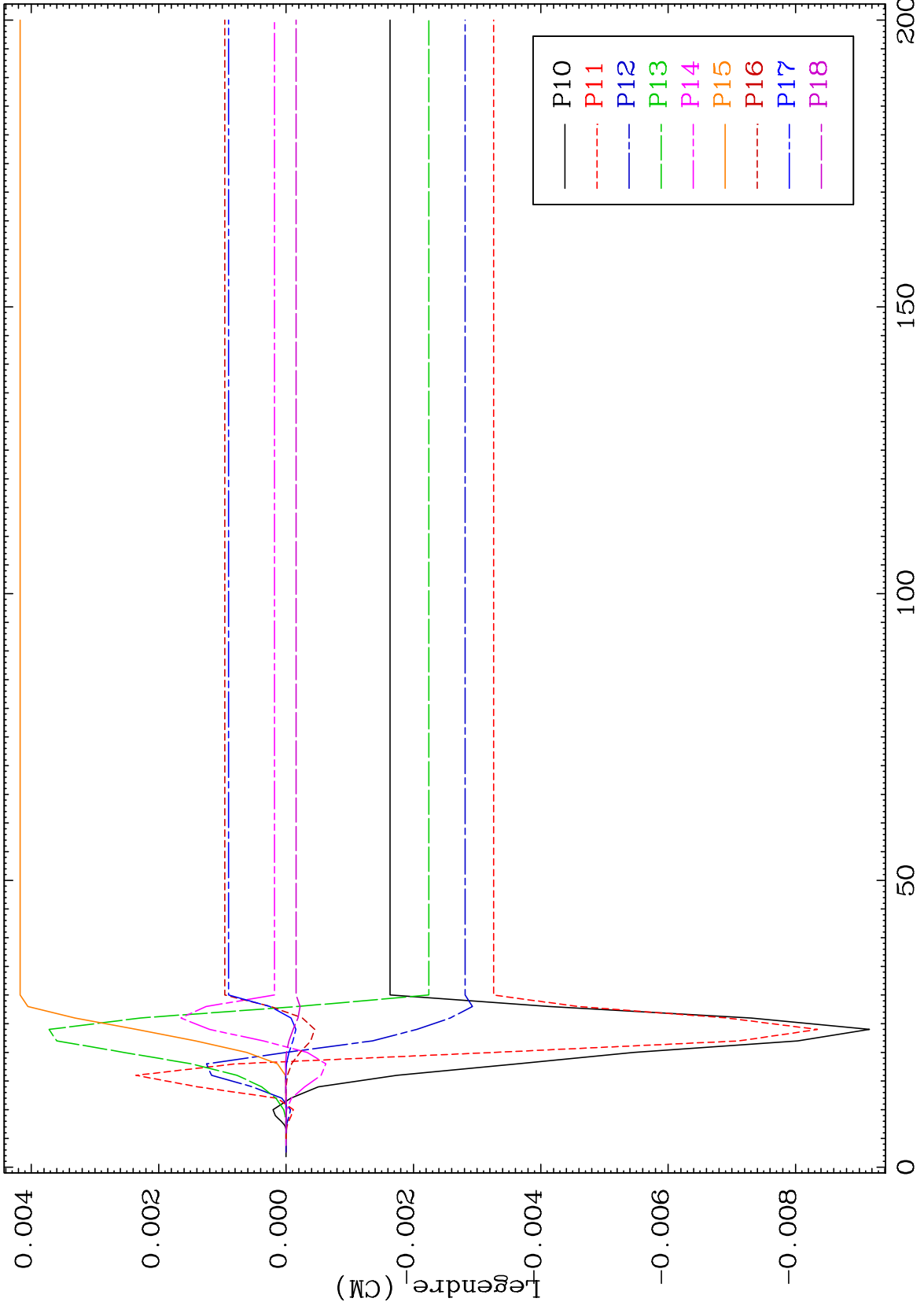
57-La-131



57-La-131

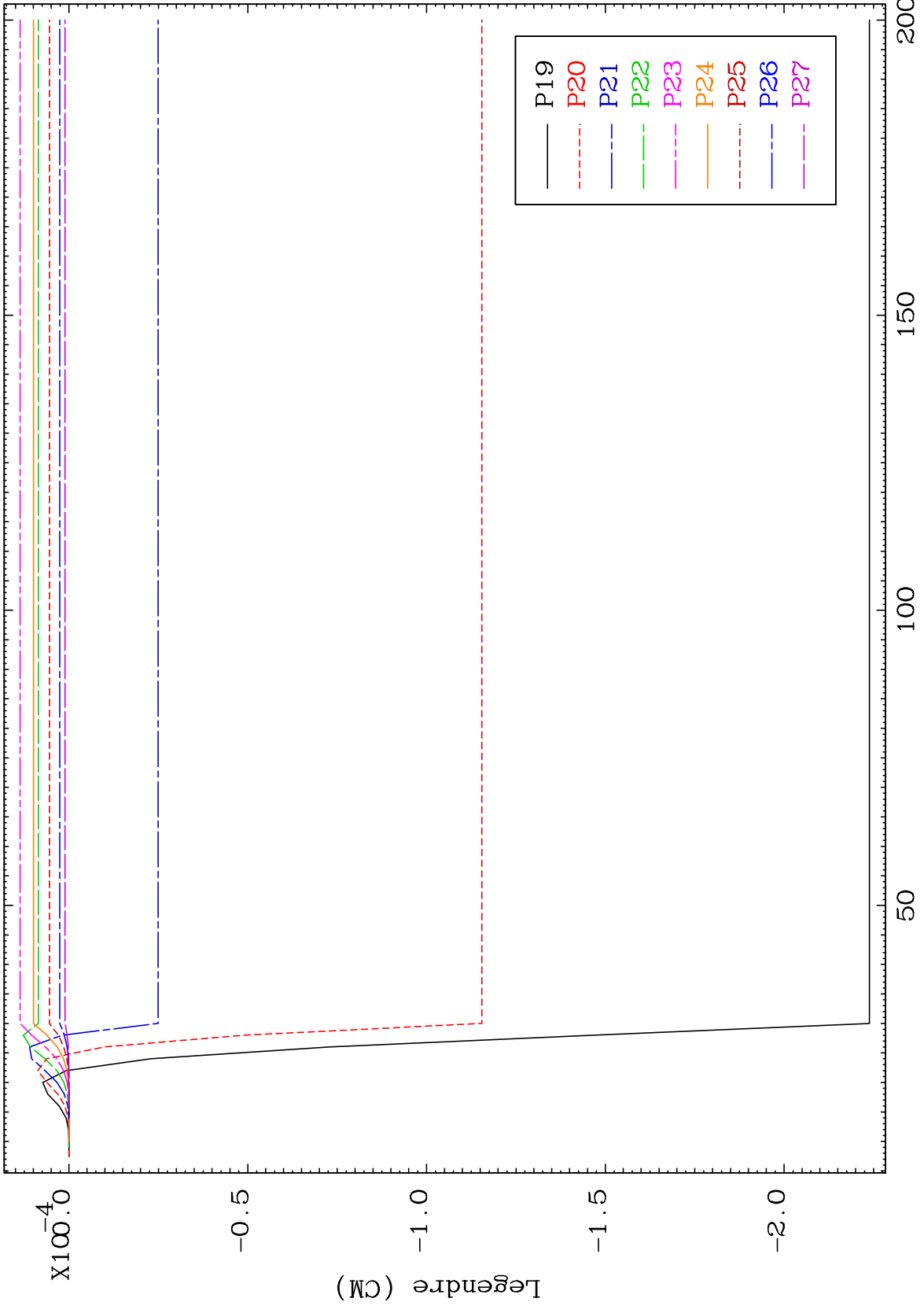
Incident Energy (MeV)

MAT 5704 MT= 71 (n,n') Level Legendre Coefficients 57-La-131



101 57-La-131

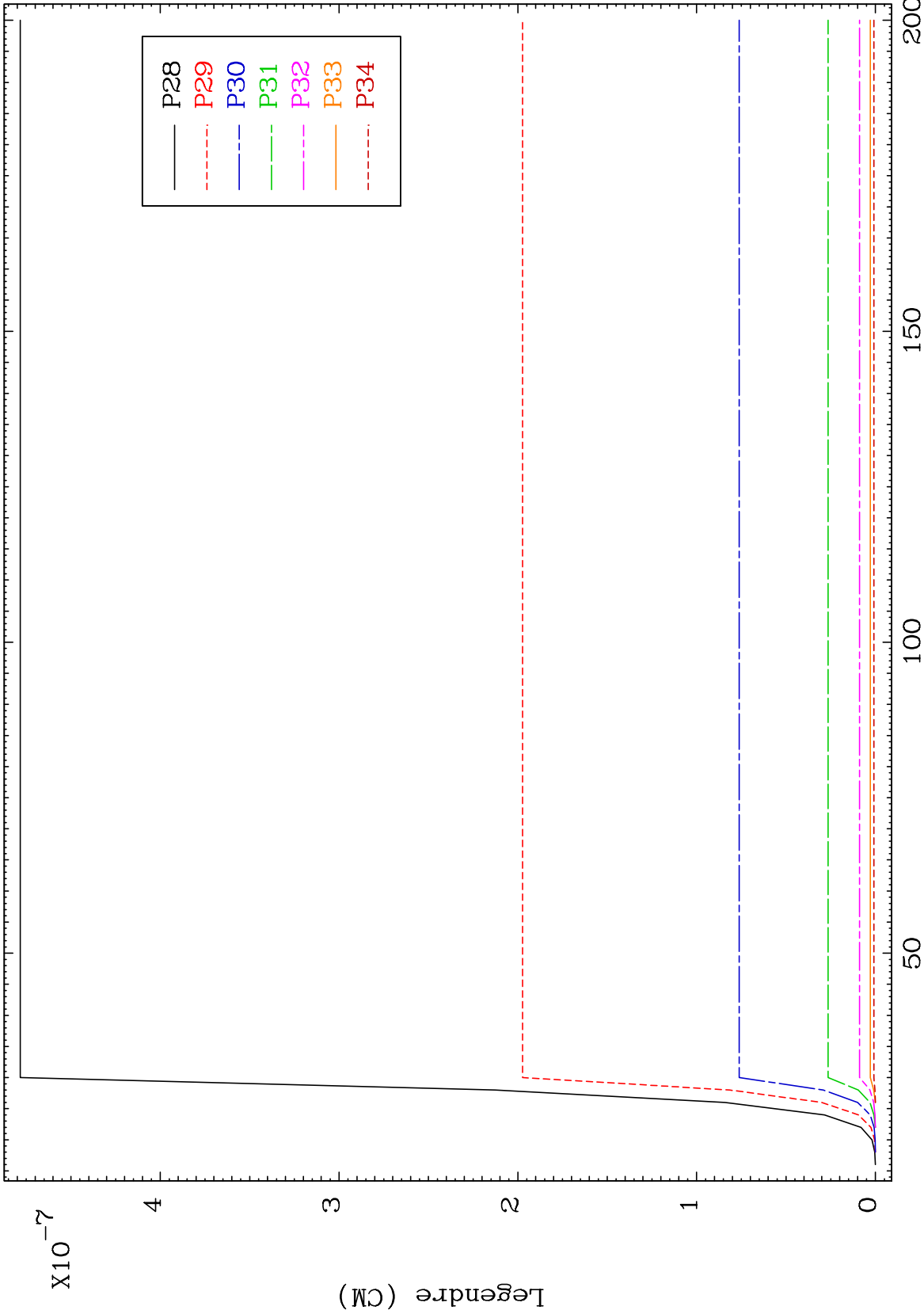
MAT 5704 MT= 71 (n,n') Level Legendre Coefficients 57-La-131



MAT 5704

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

57-La-131



103

Incident Energy (MeV)

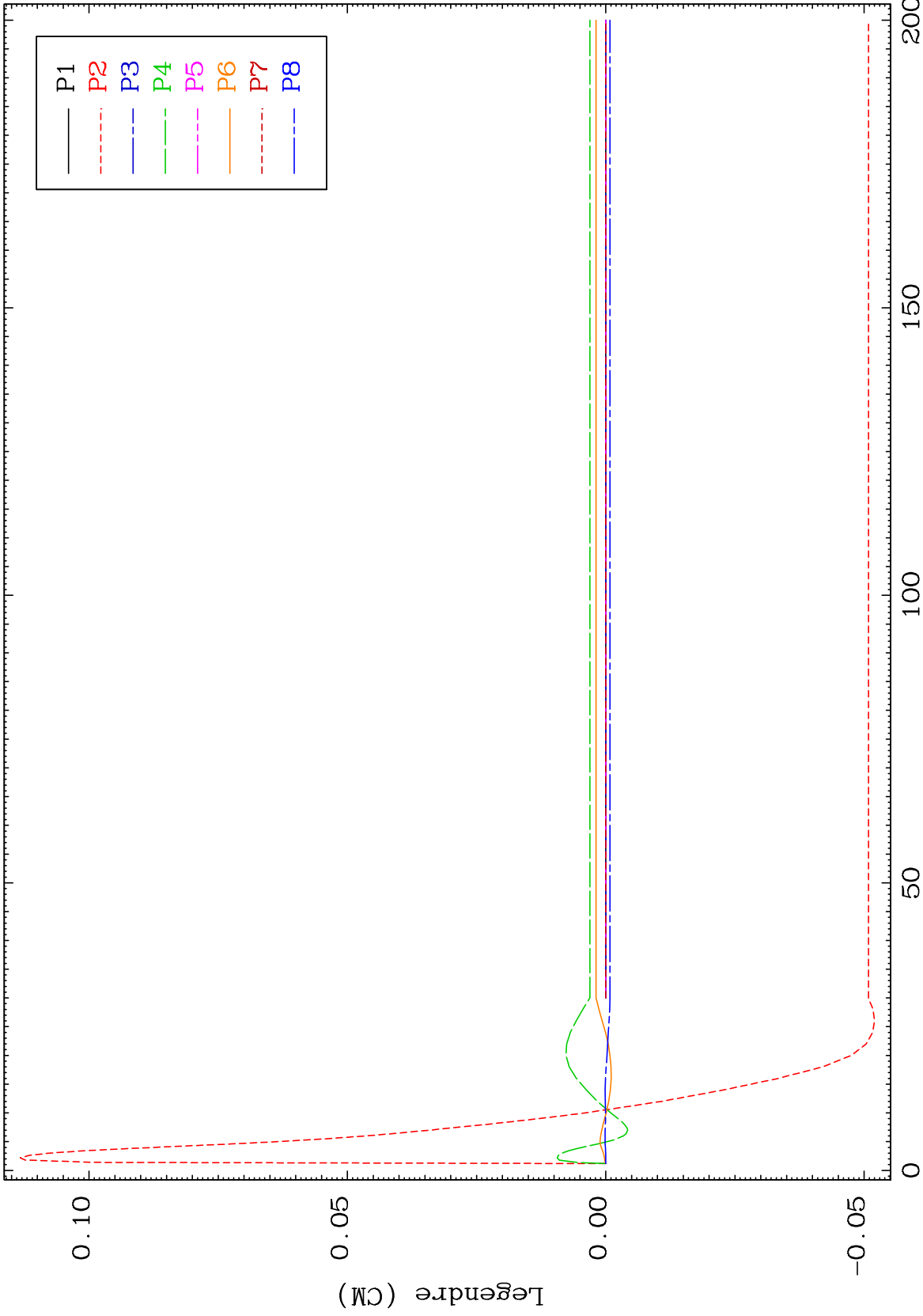
57-La-131



MAT 5704

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

57-La-131



57-La-131

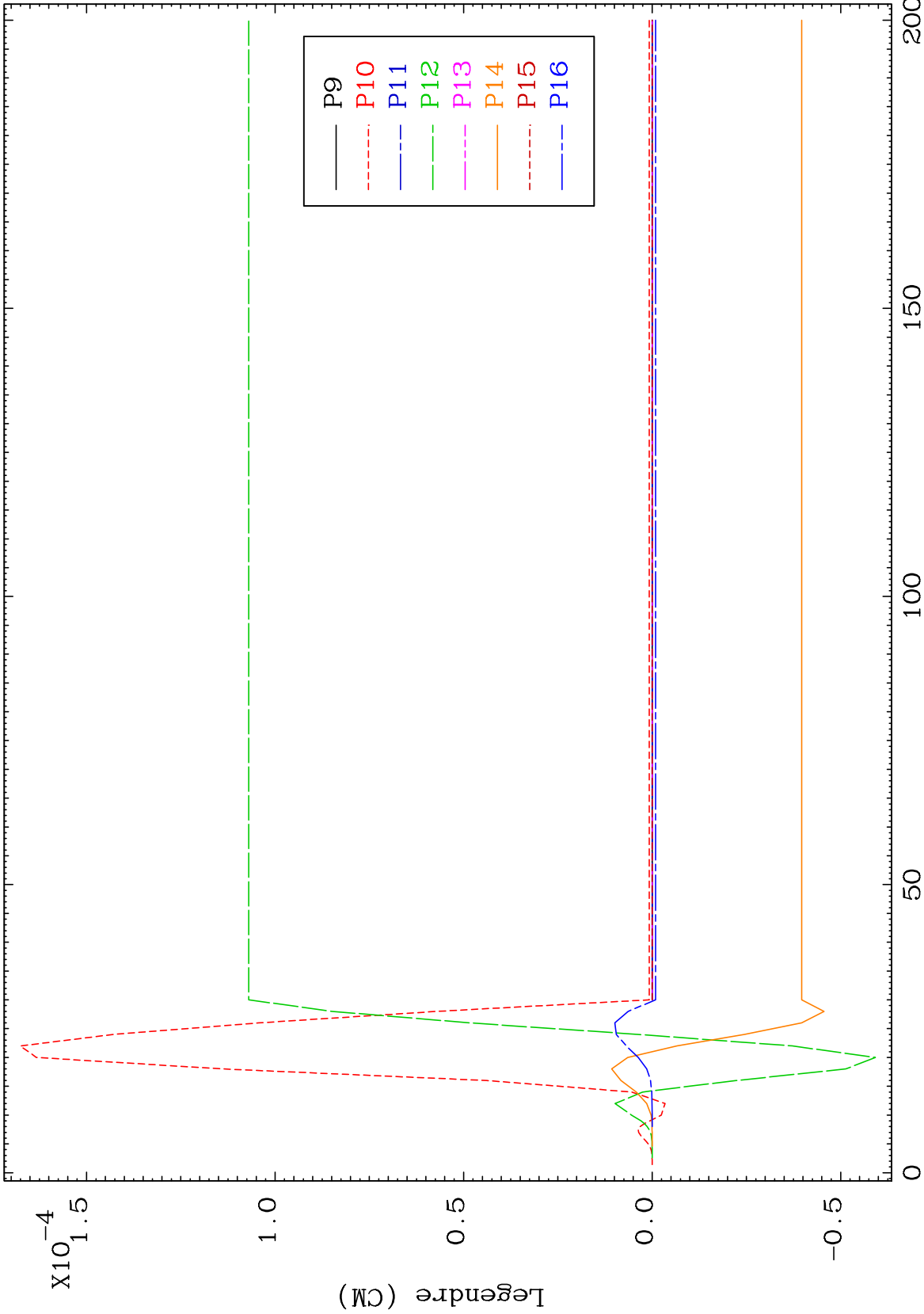
Incident Energy (MeV)

104

MAT 5704

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

57-La-131

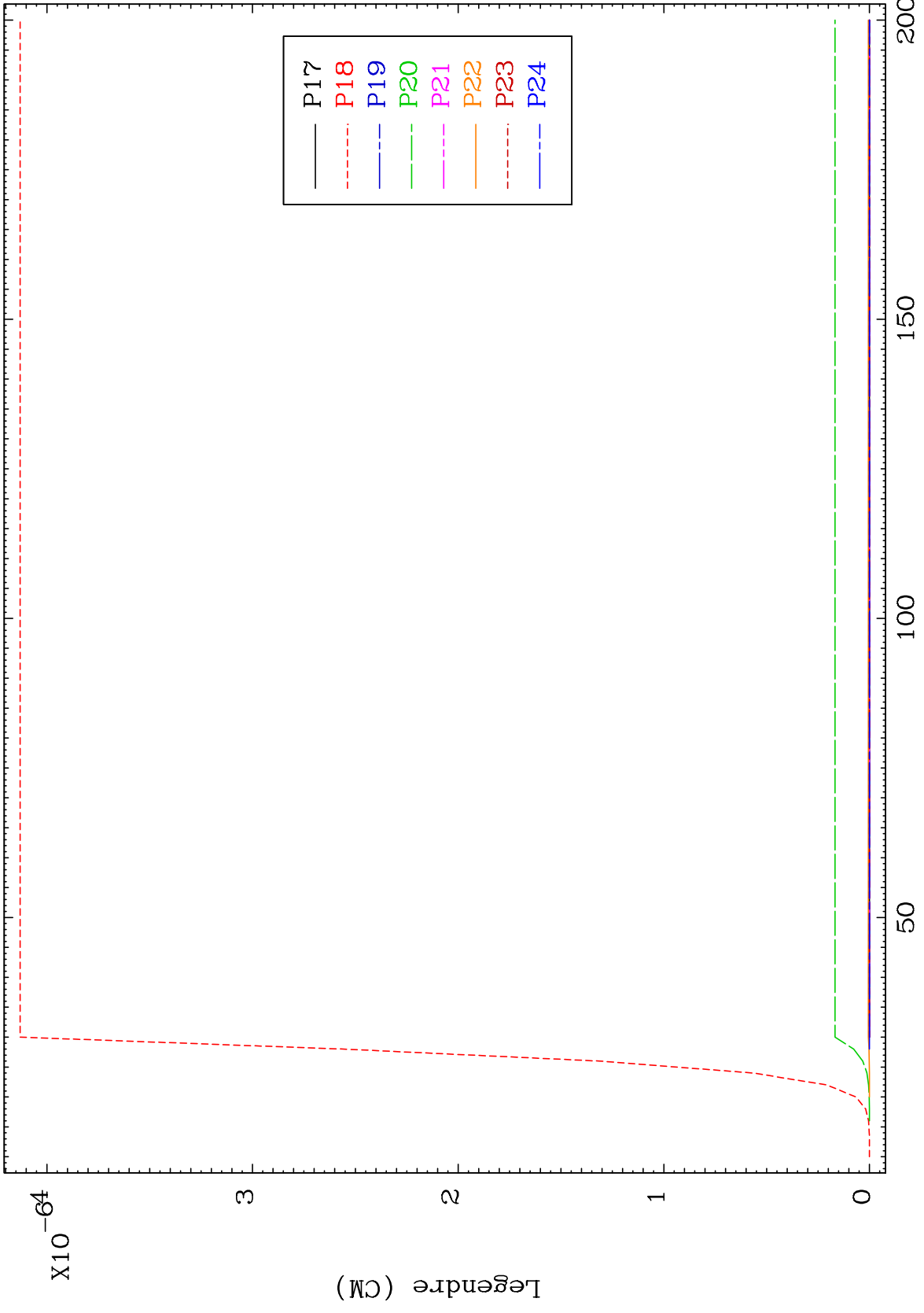


57-La-131

Incident Energy (MeV)

105

MAT 5704 MT= 72 (n,n') Level Legendre Coefficients 57-La-131

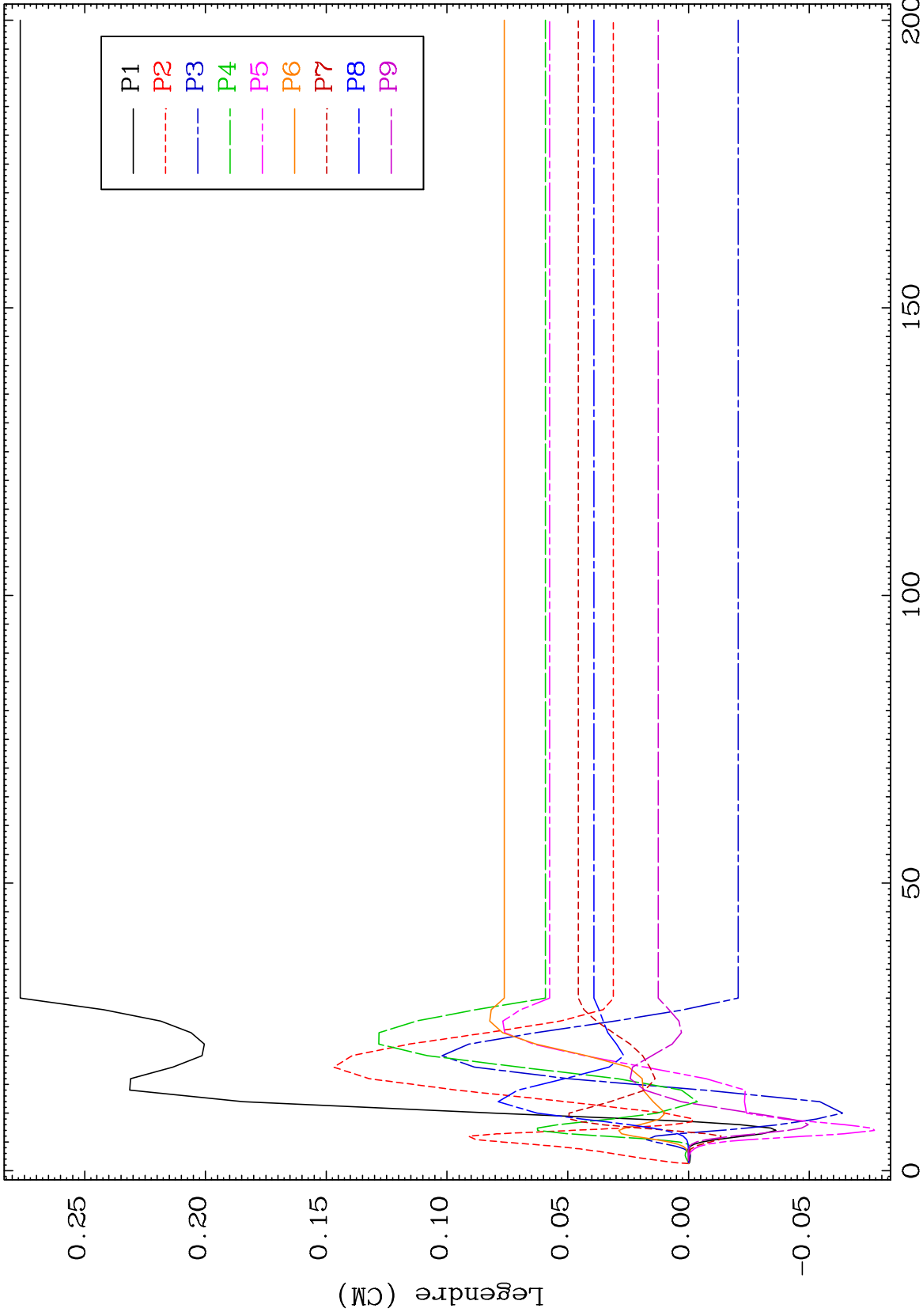


106 Incident Energy (MeV) 57-La-131

MAT 5704

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

57-La-131



107

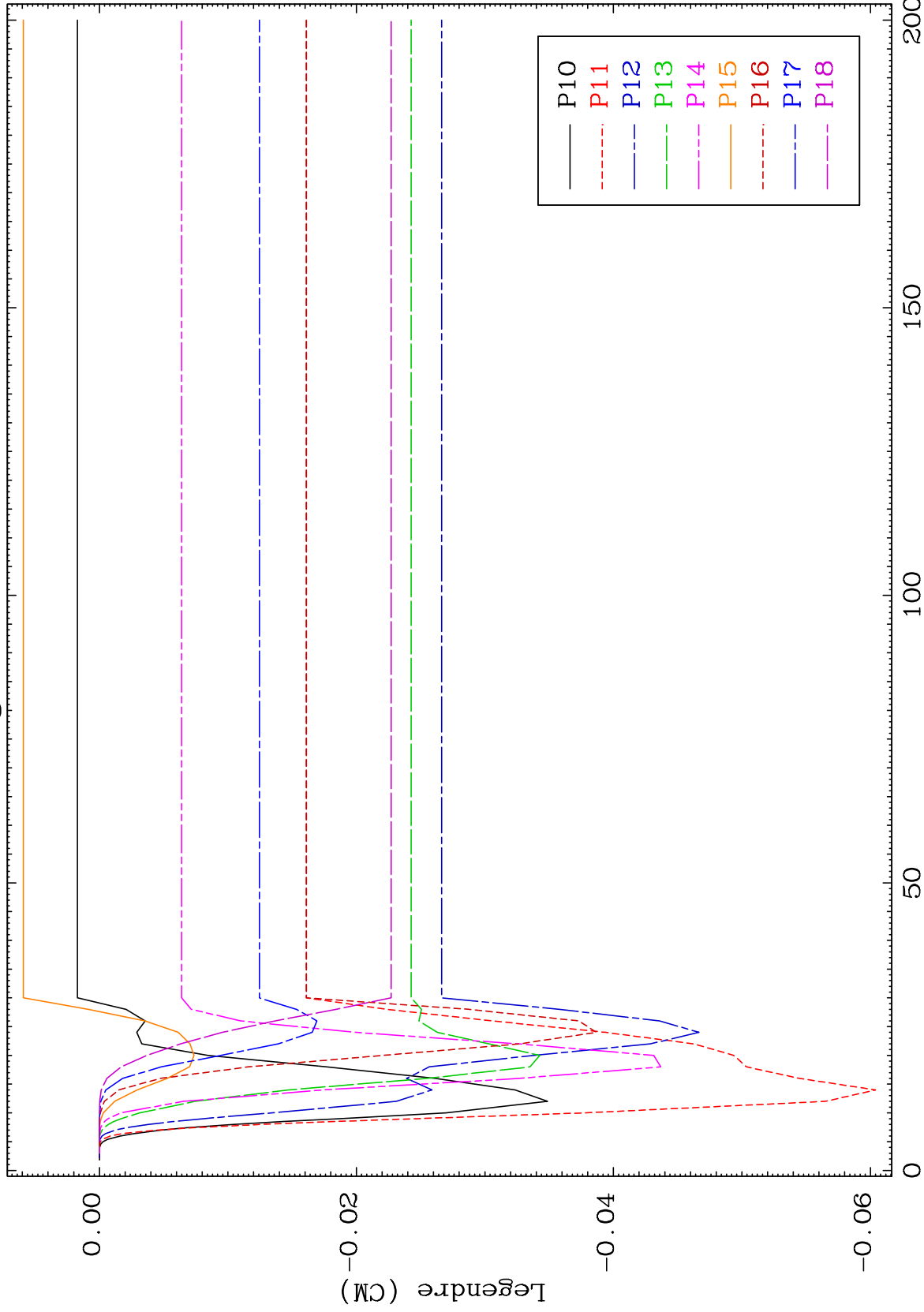
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131

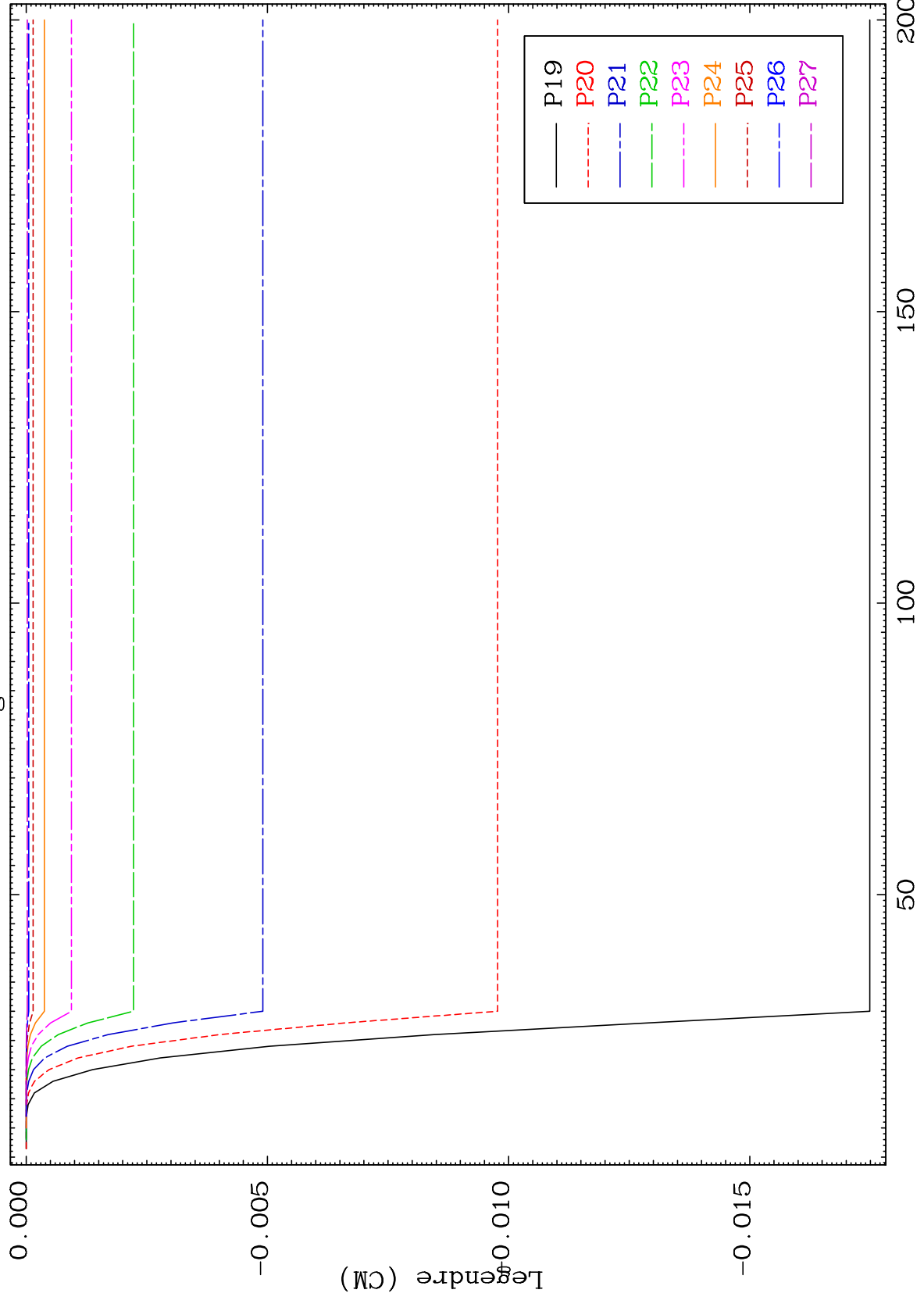


108

Incident Energy (MeV)

57-La-131

MAT 5704 MT= 73 (n,n') Level Legendre Coefficients 57-La-131

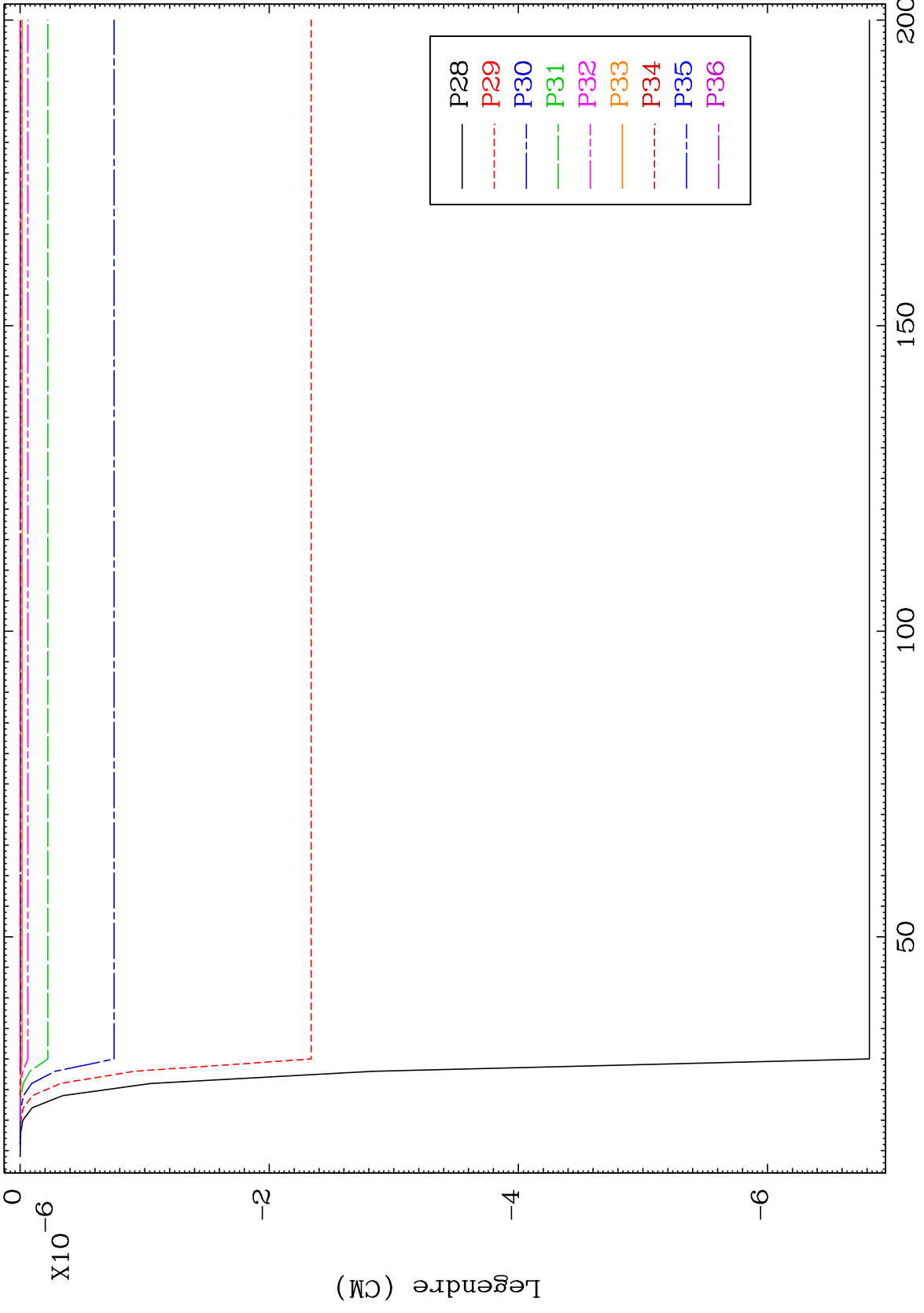


109 57-La-131

MAT 5704

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

57-La-131



57-La-131

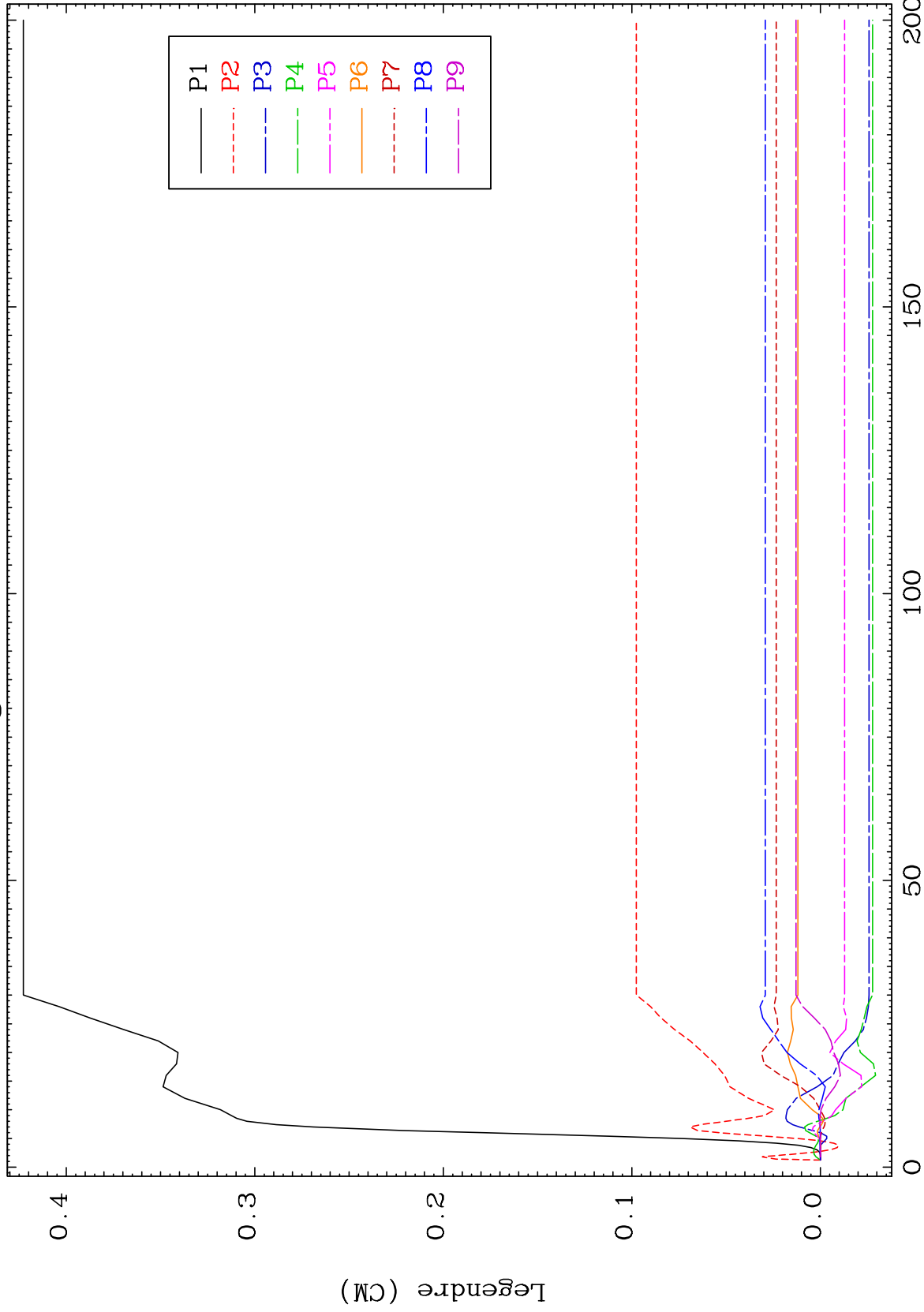
Incident Energy (MeV)

110

MAT 5704

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

57-La-131



57-La-131

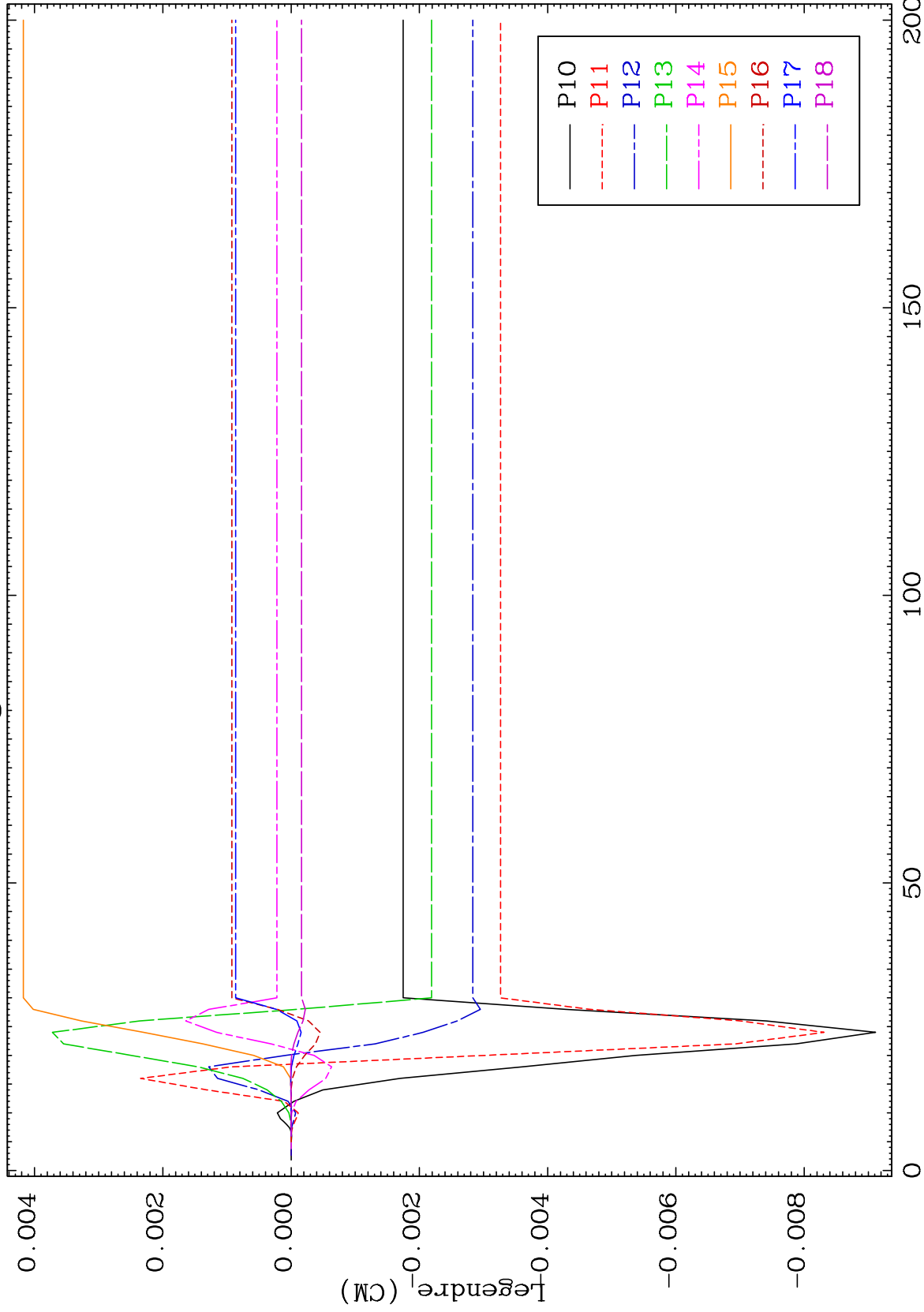
111



MAT 5704

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

57-La-131



112

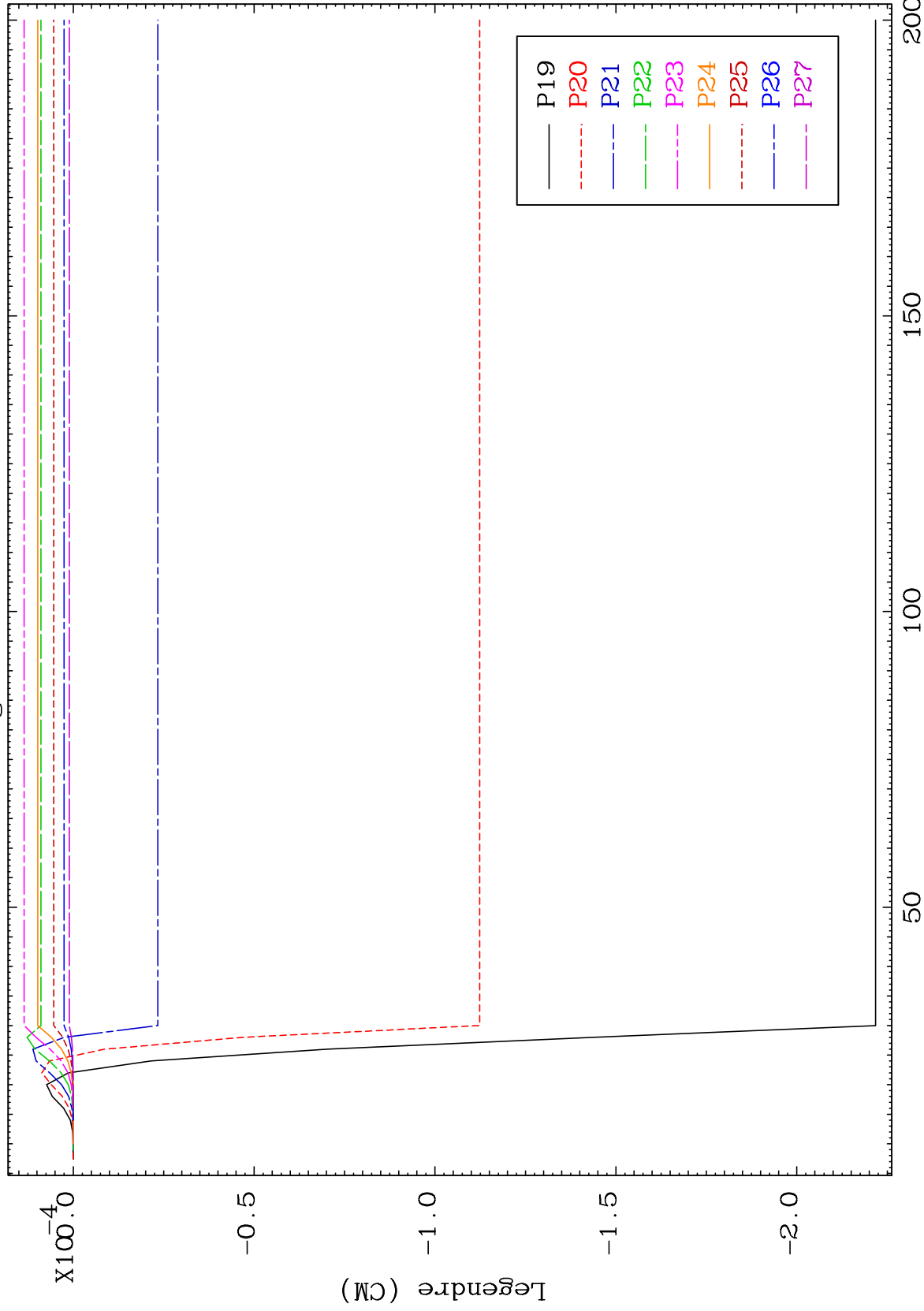
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



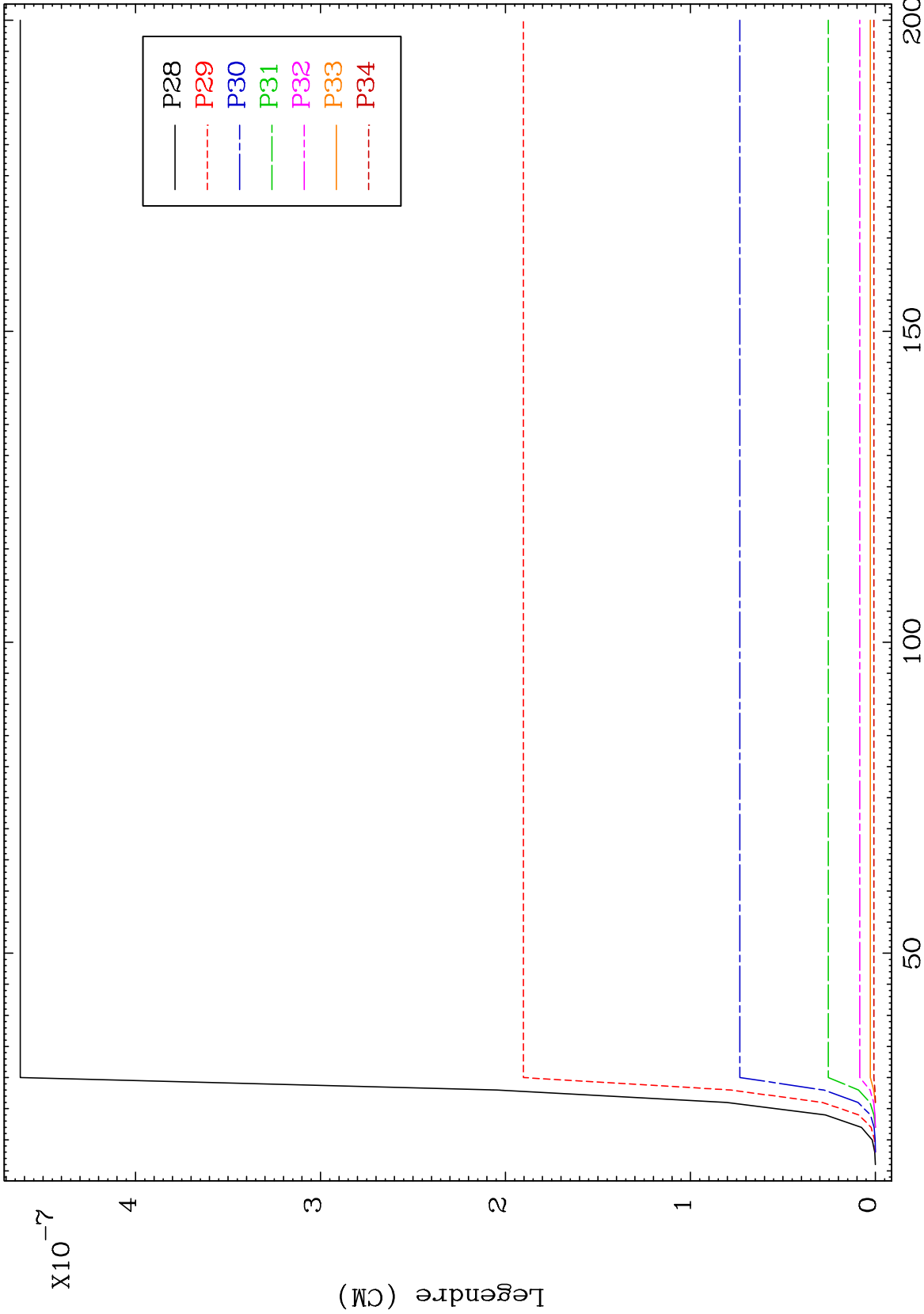
113

57-La-131

MAT 5704

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

57-La-131



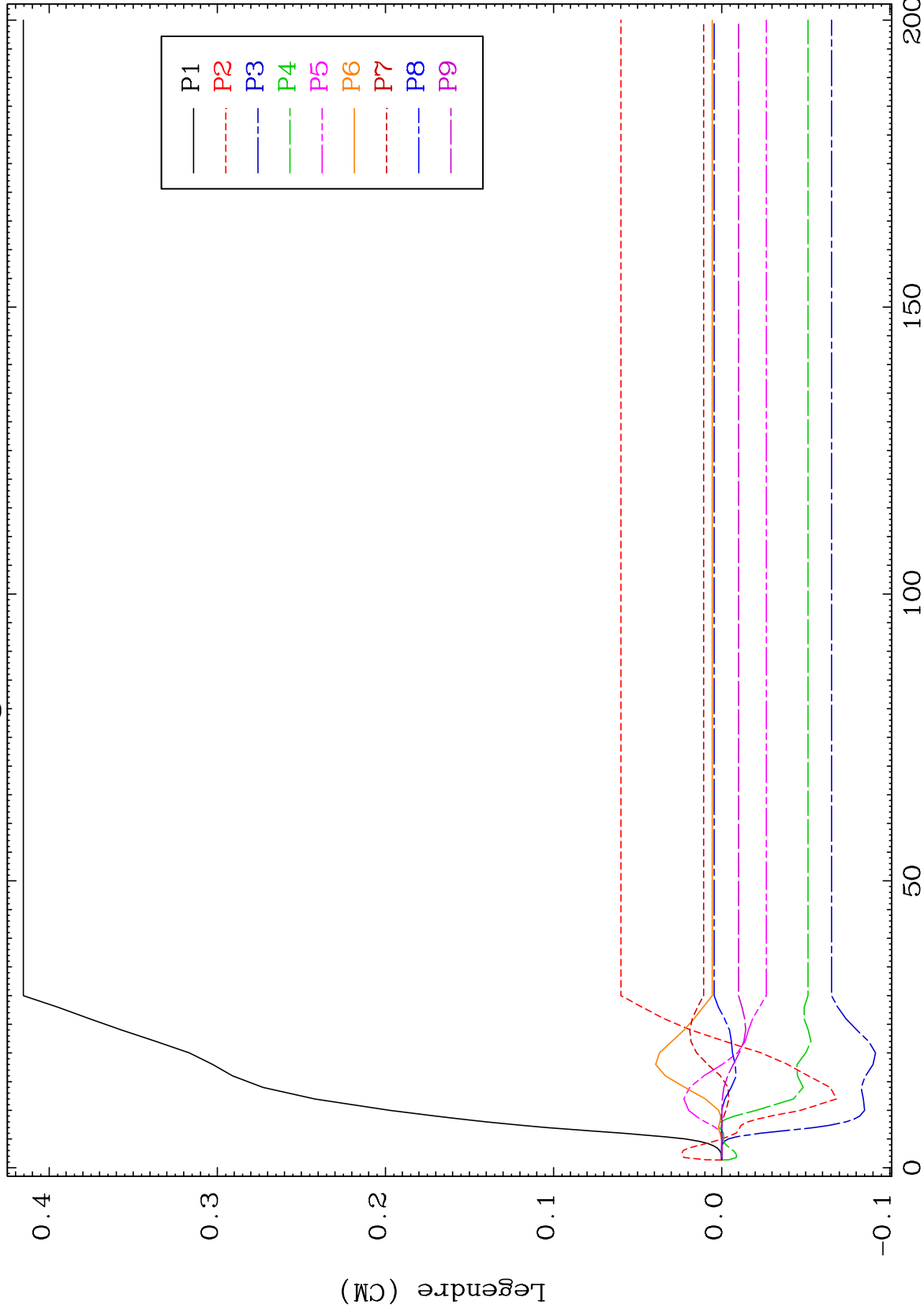
114

57-La-131

MAT 5704

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

57-La-131



115

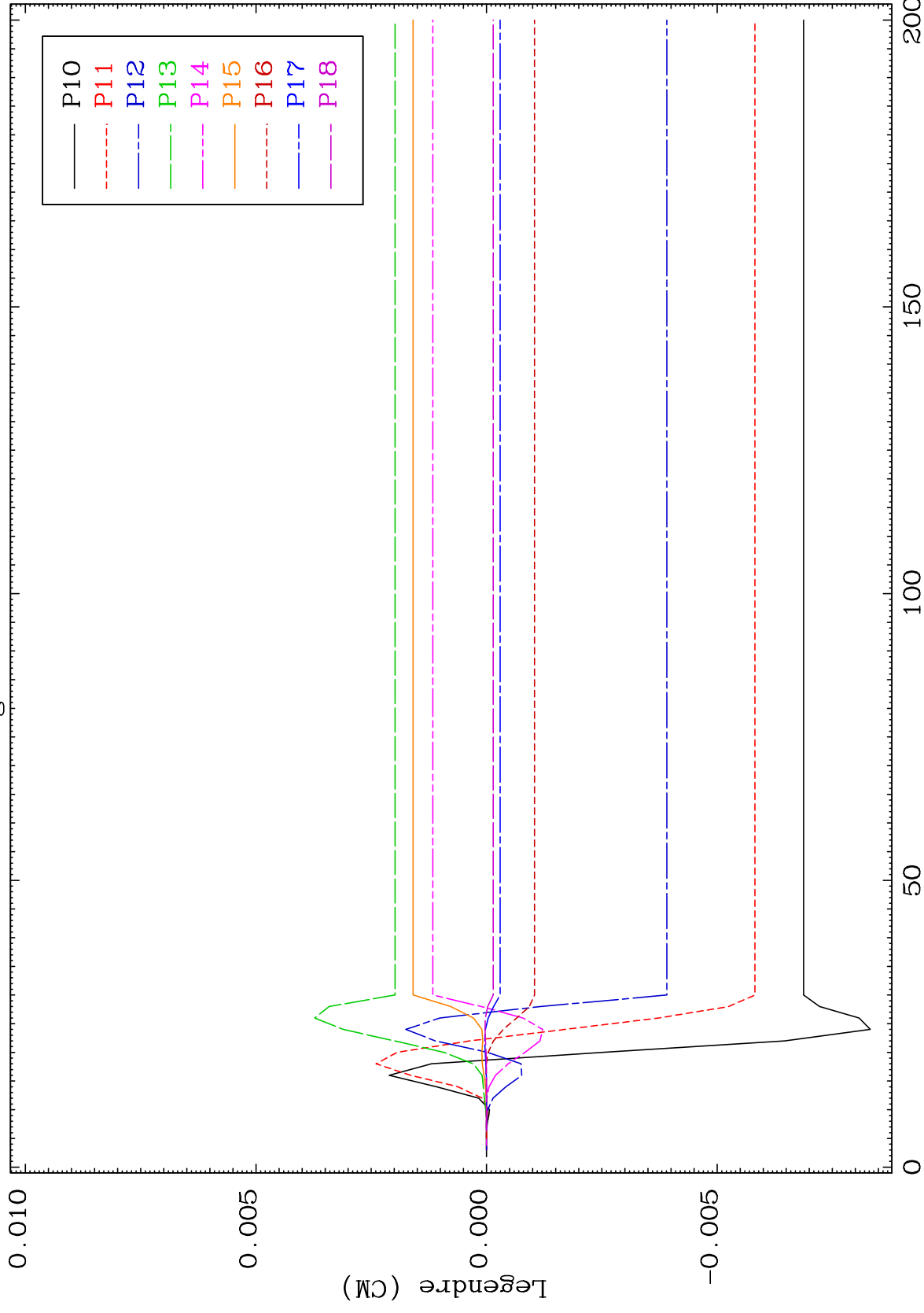
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



116

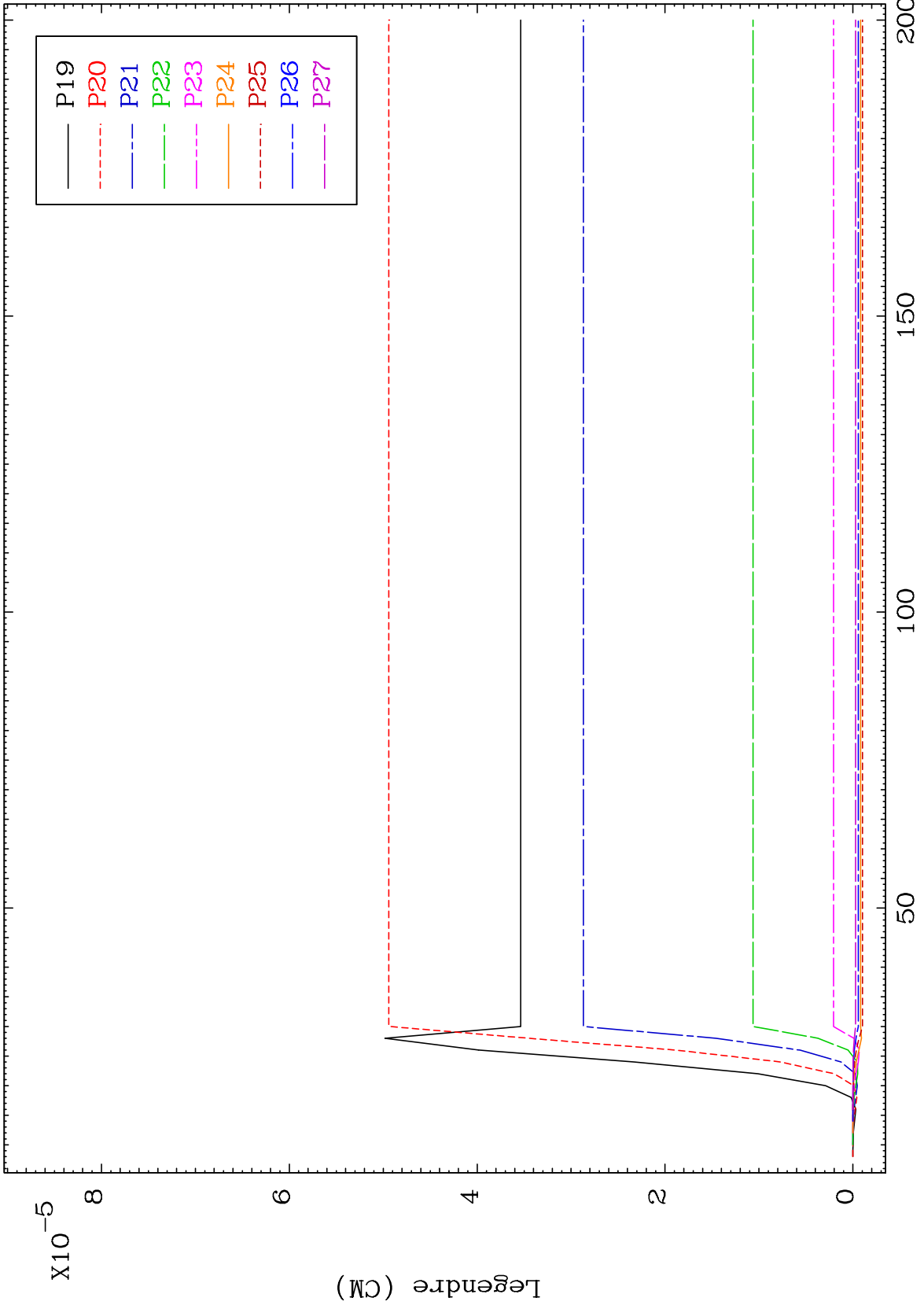
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



117

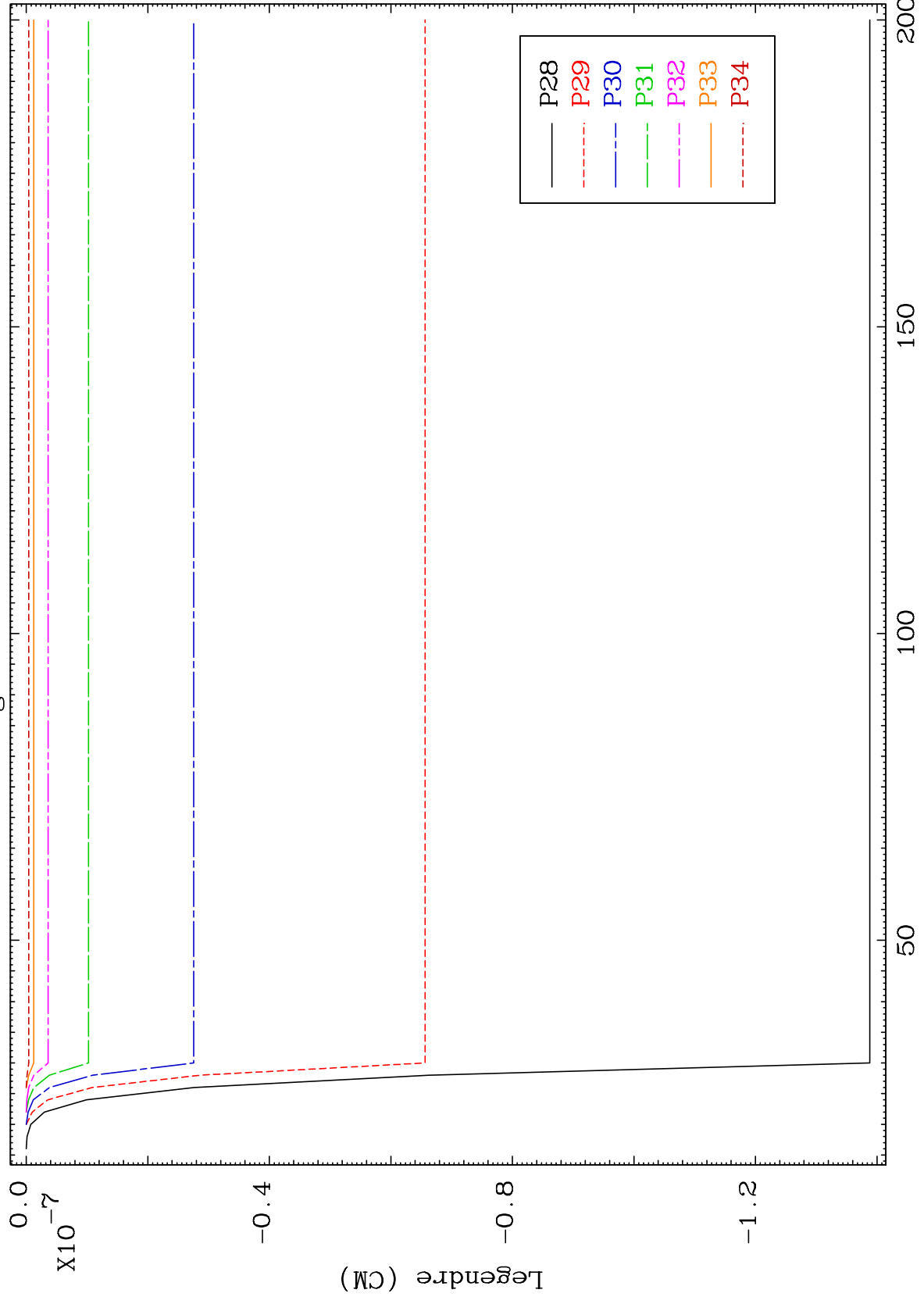
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



57-La-131

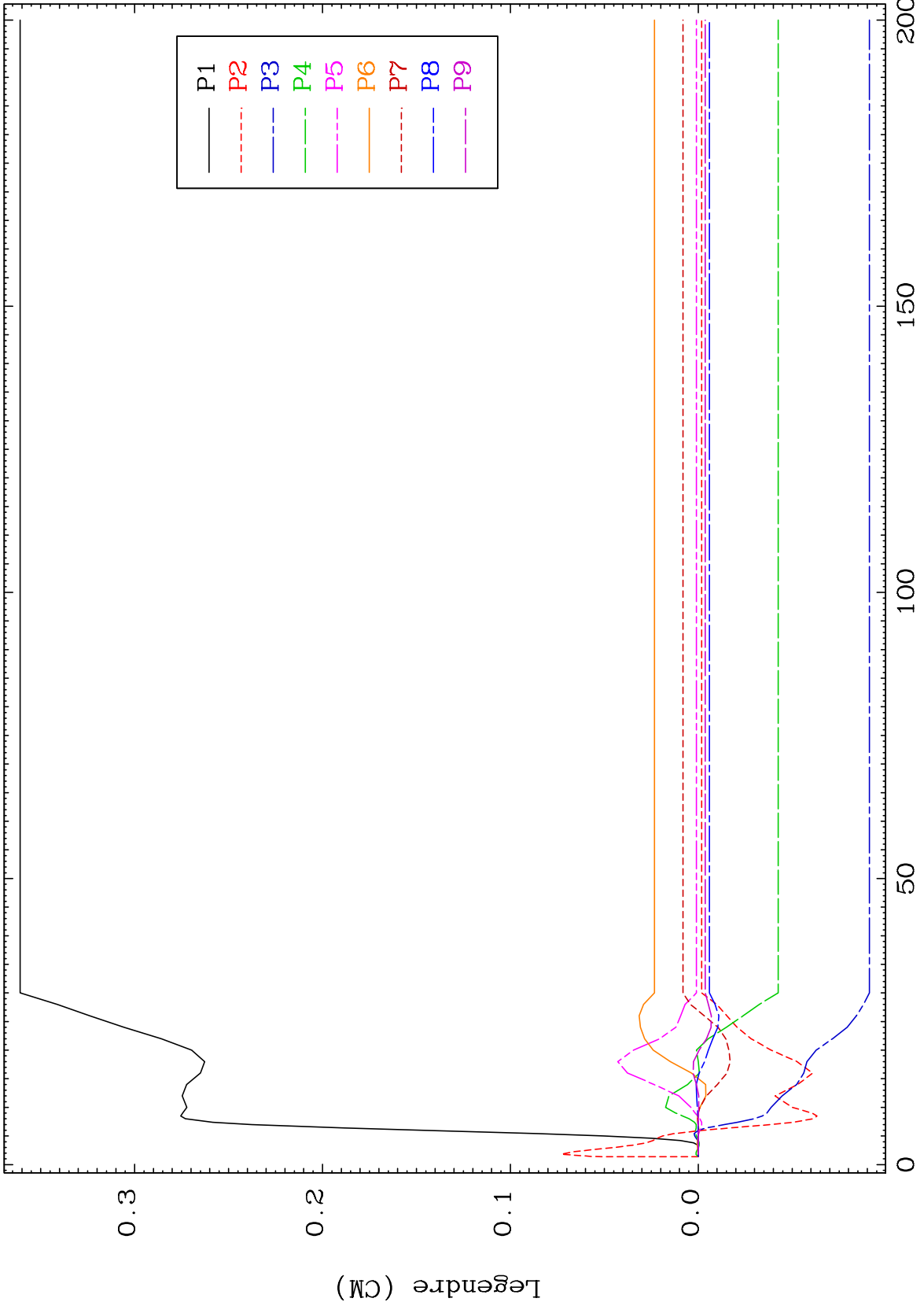
Incident Energy (MeV)

118

MAT 5704

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

57-La-131



119

Incident Energy (MeV)

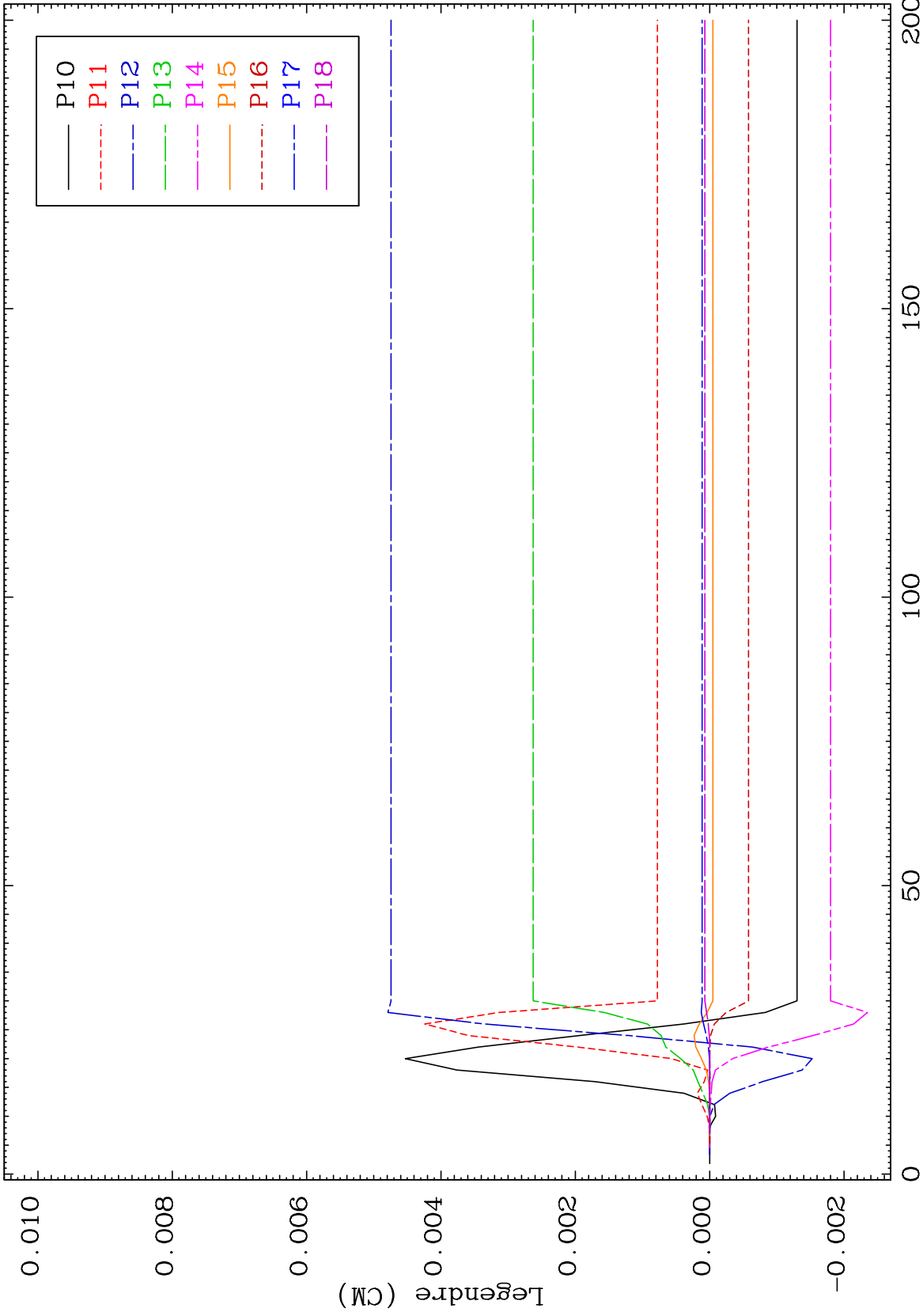
57-La-131



MAT 5704

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

57-La-131



120

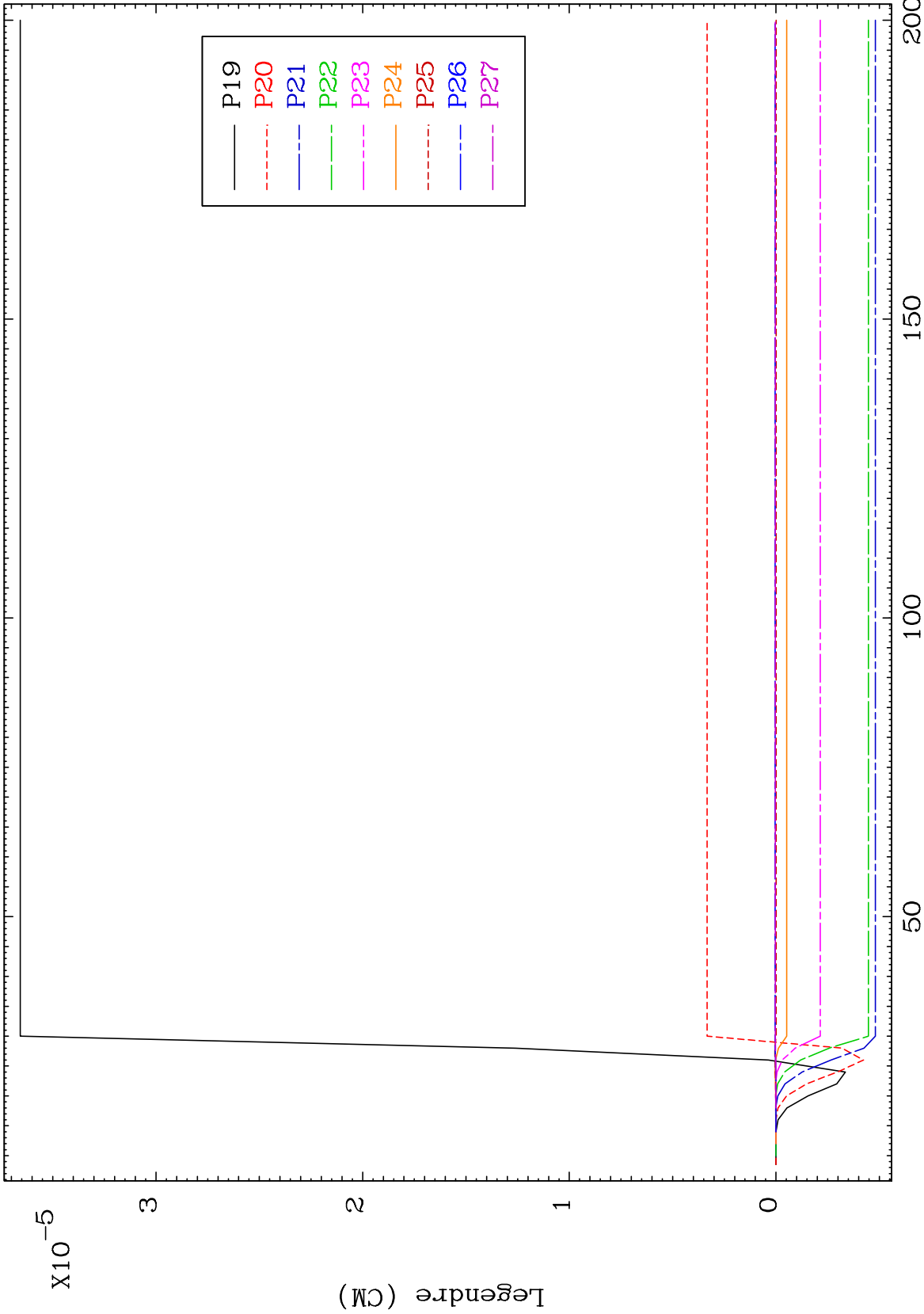
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



121

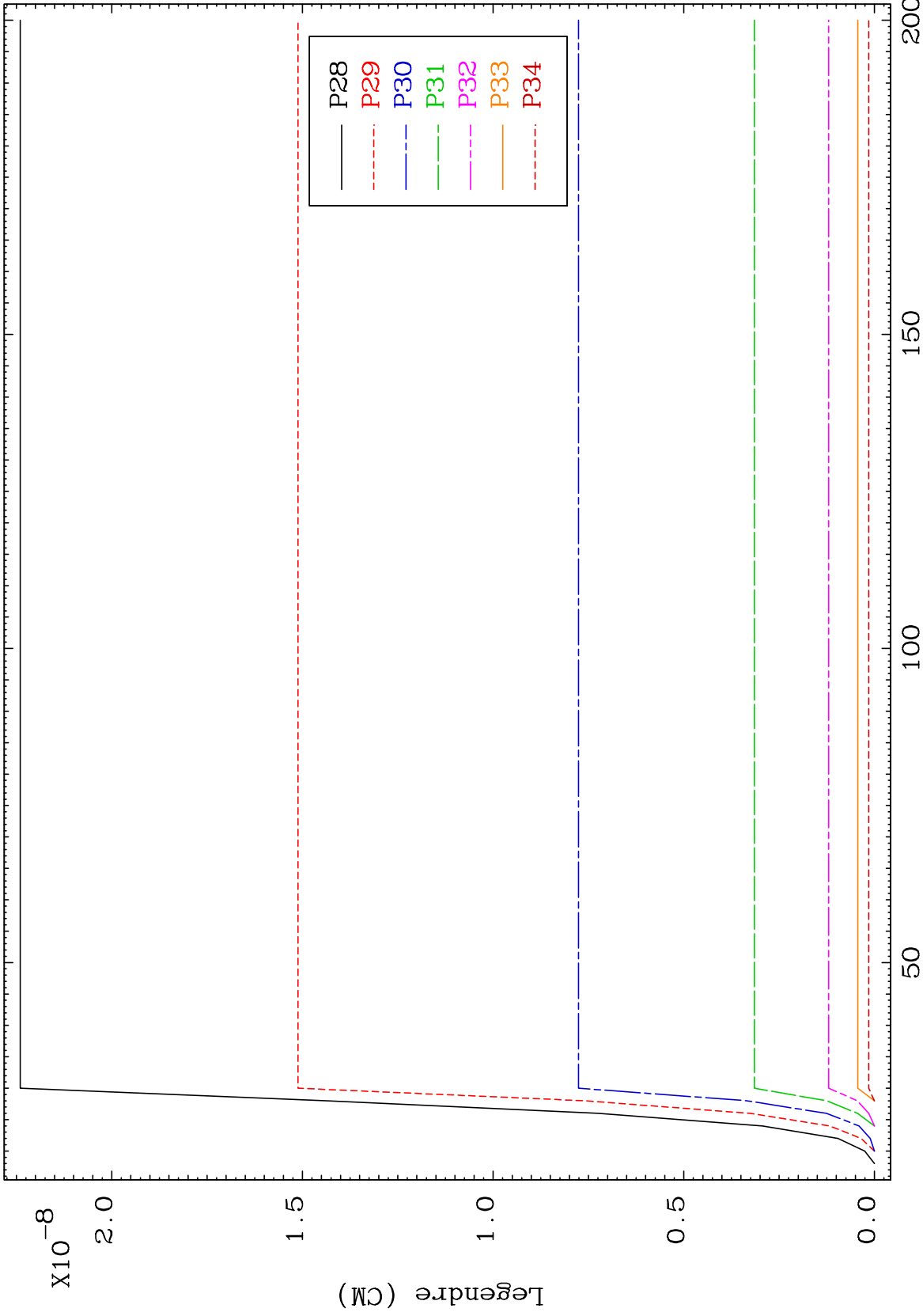
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



122

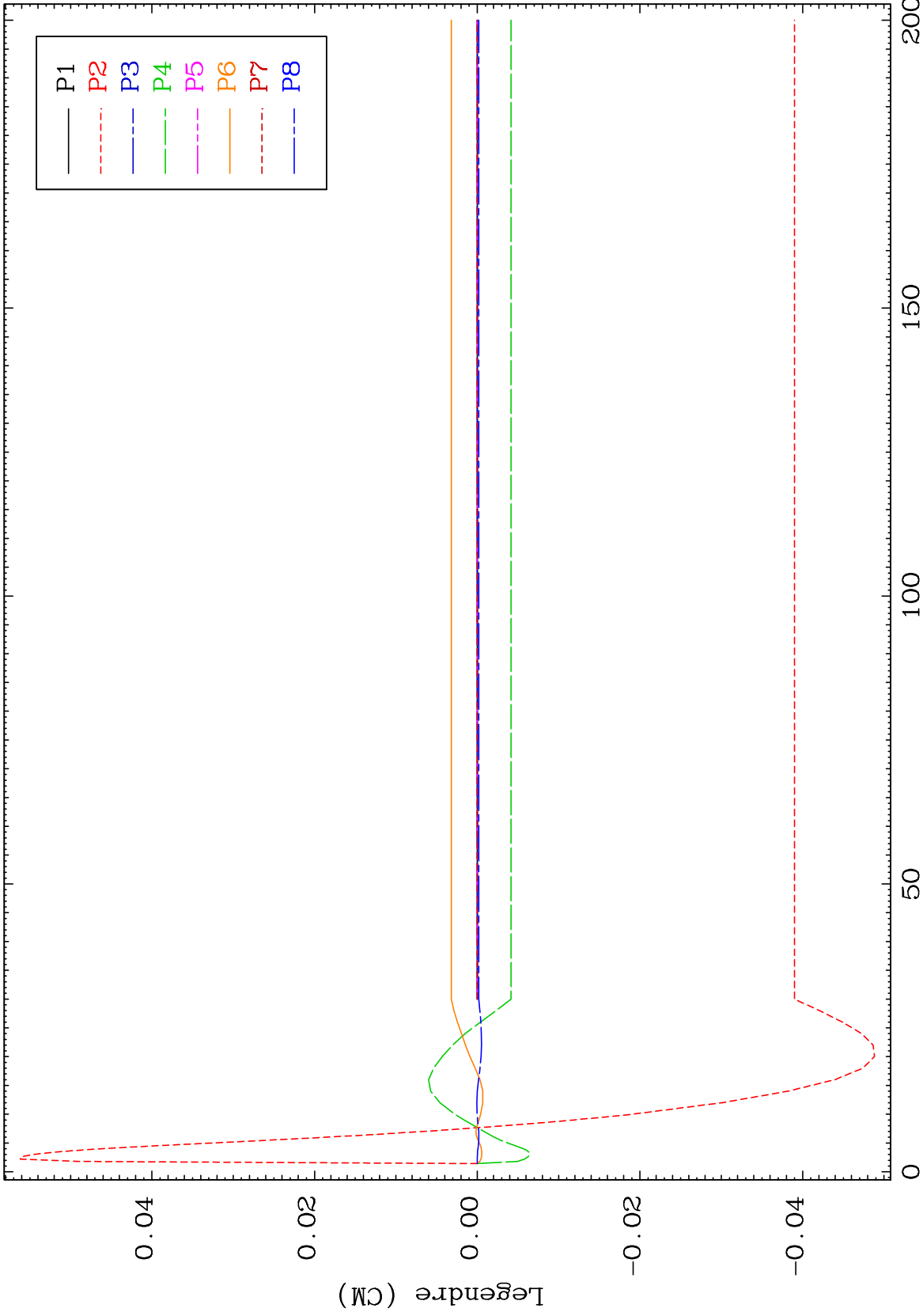
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



123

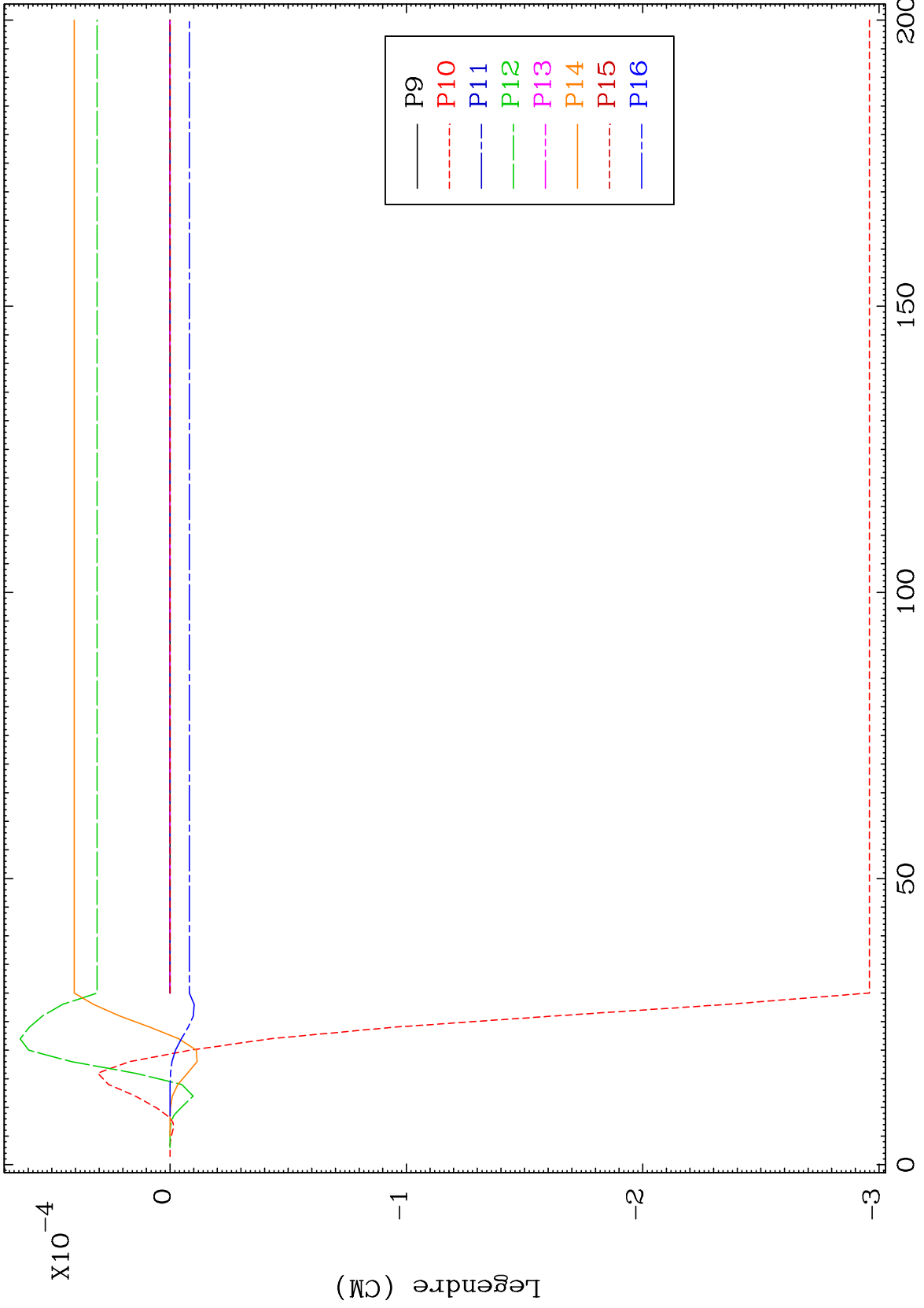
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



124

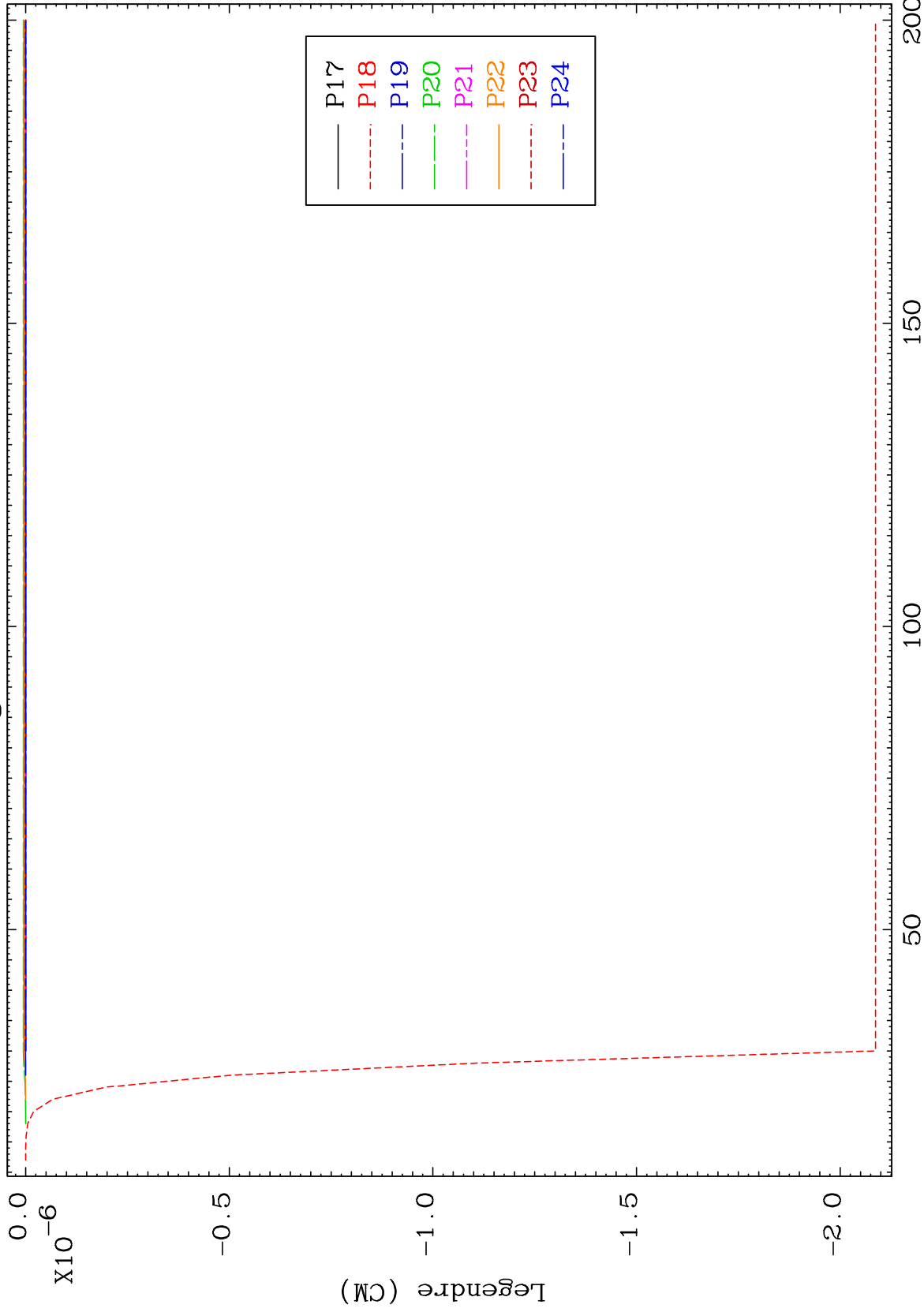
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



125

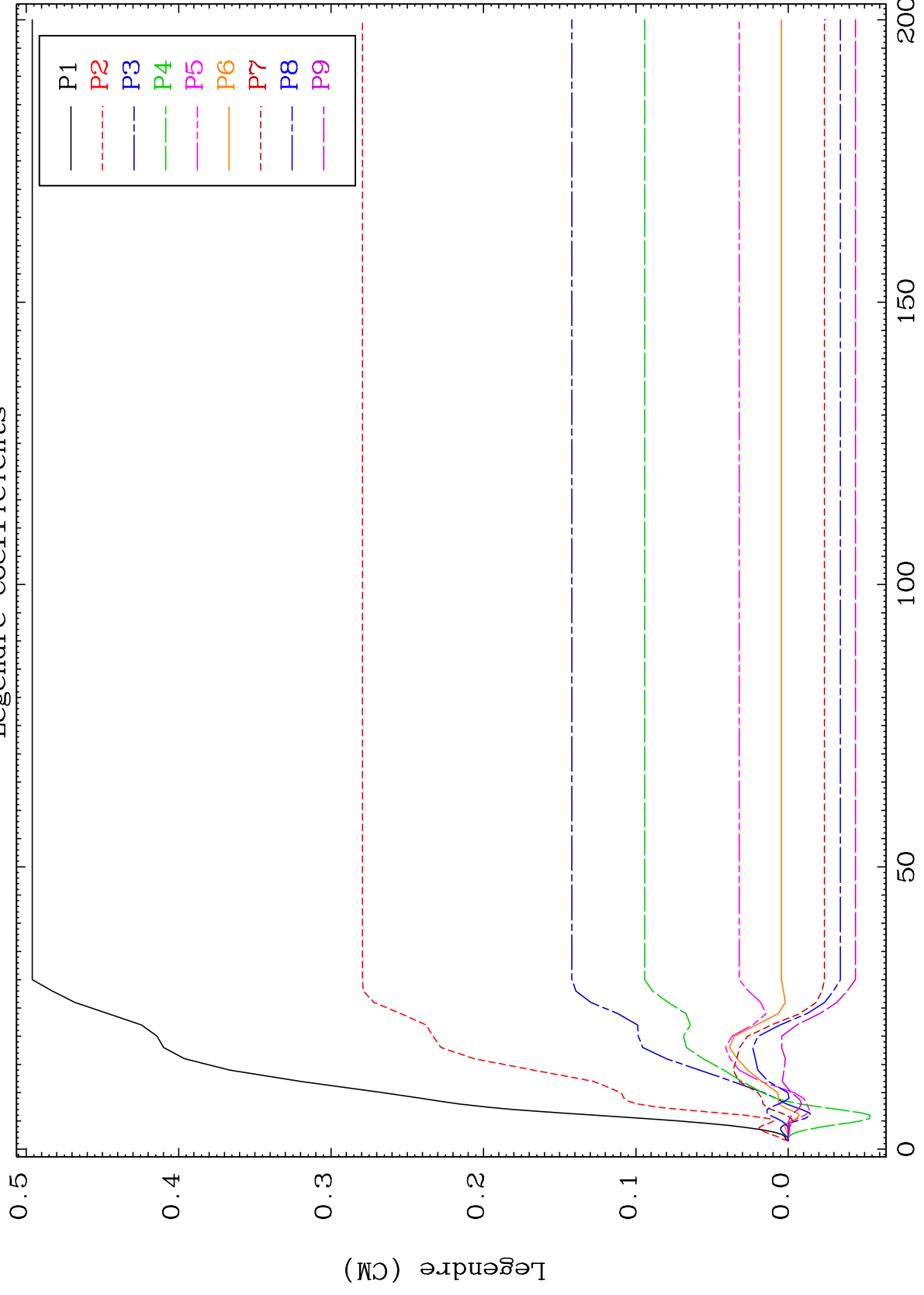
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



126

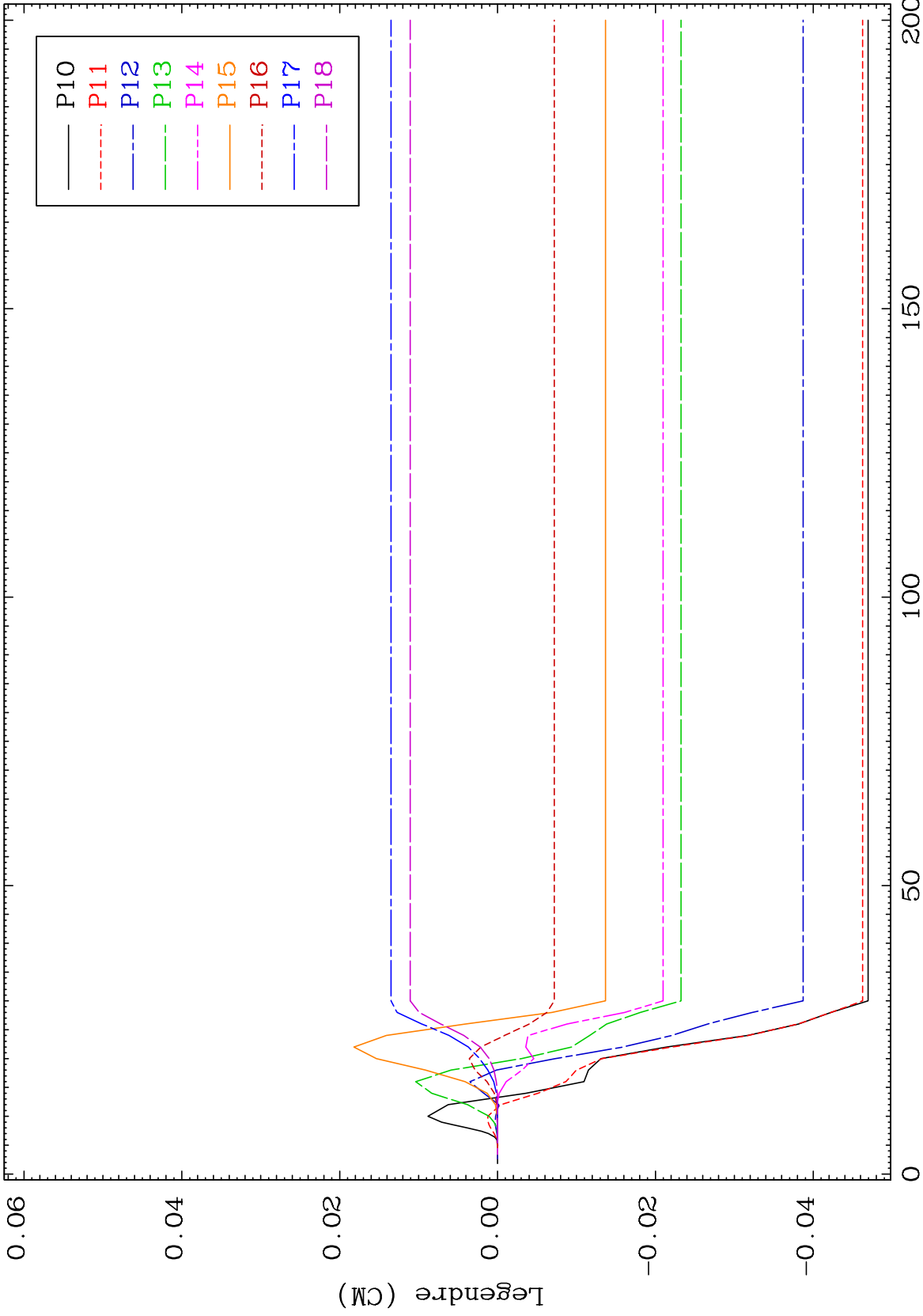
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



127

Incident Energy (MeV)

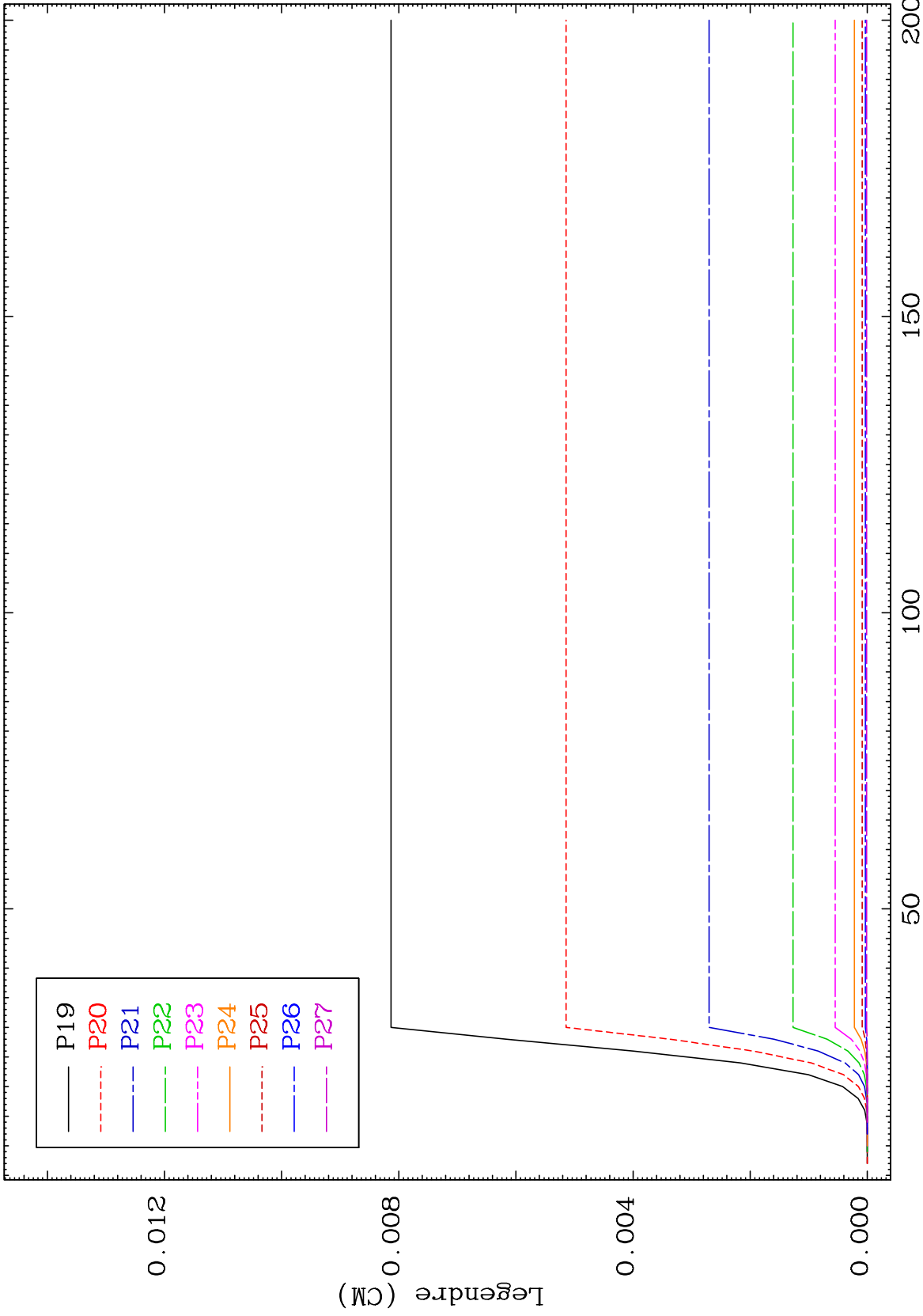
57-La-131



MAT 5704

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

57-La-131



128

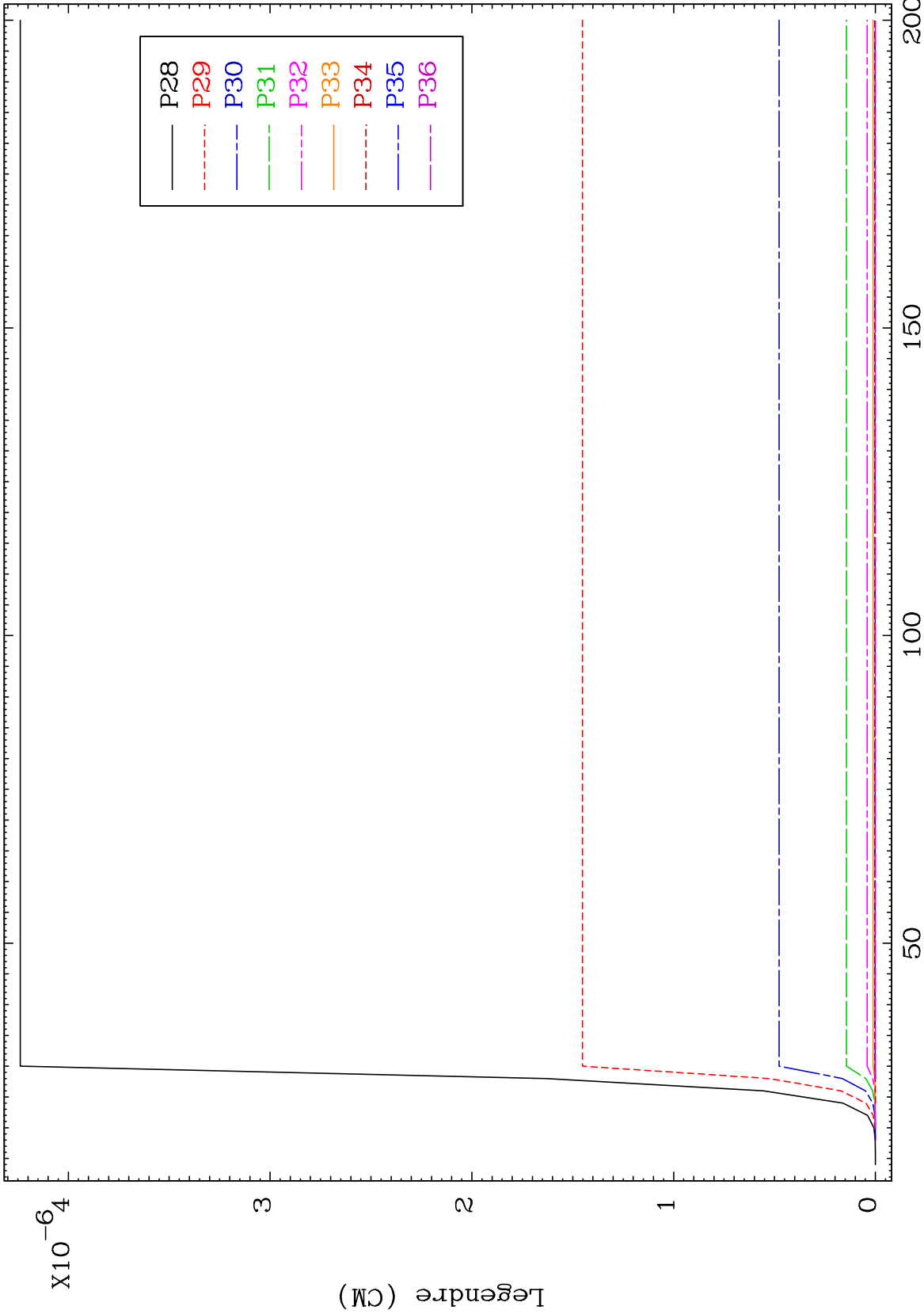
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



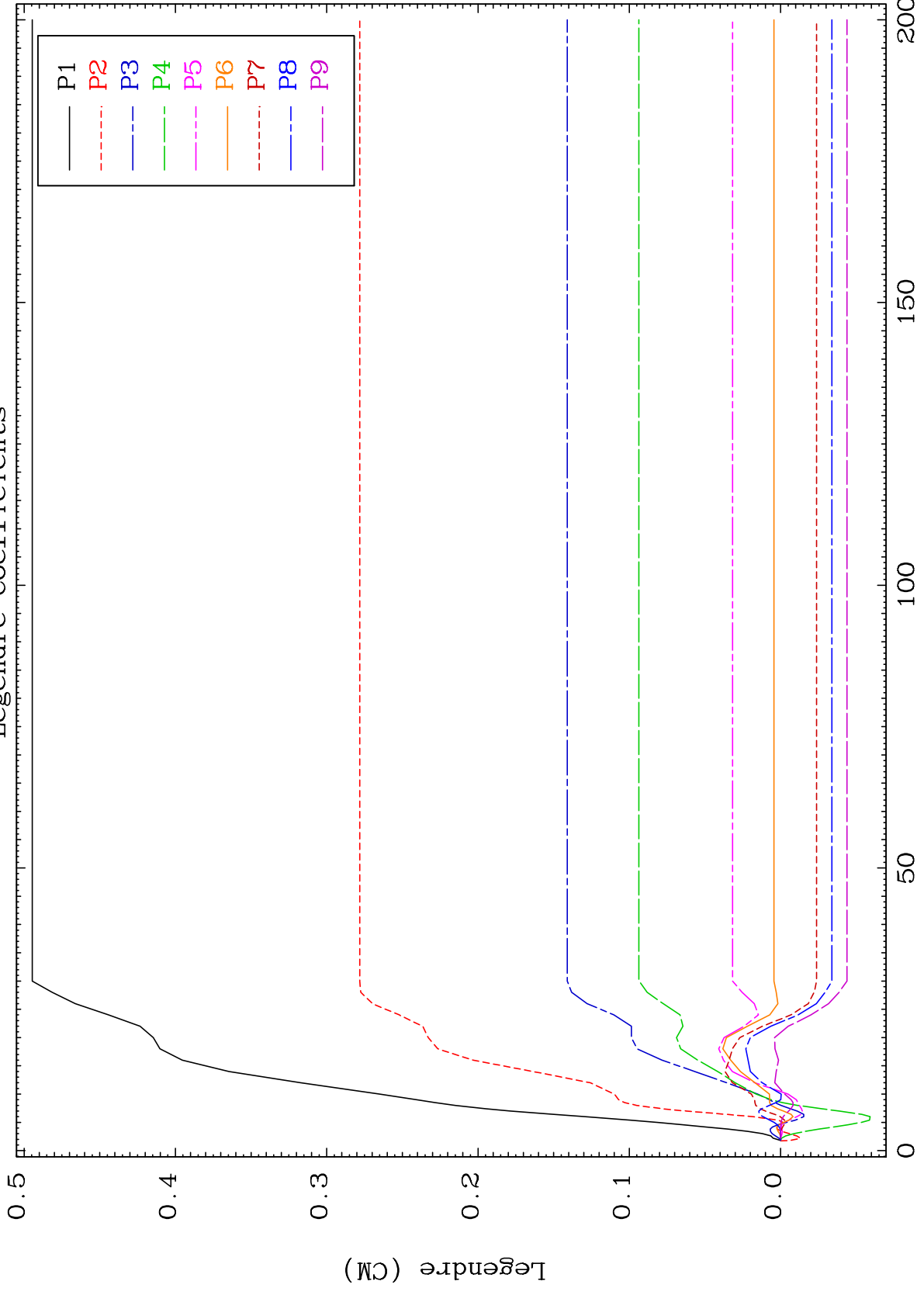
129

57-La-131

MAT 5704

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

57-La-131



57-La-131

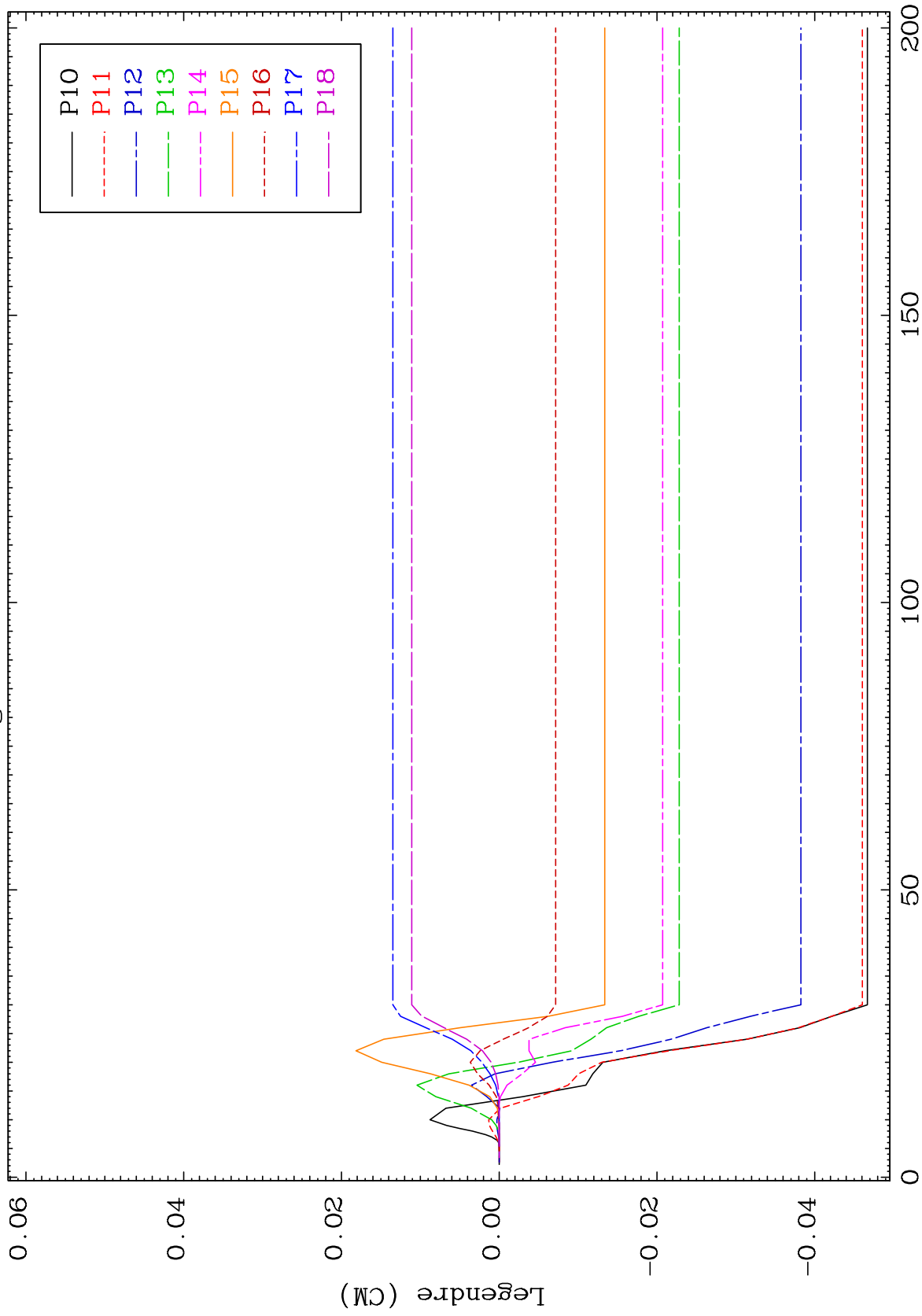
Incident Energy (MeV)

130

MAT 5704

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

57-La-131



131

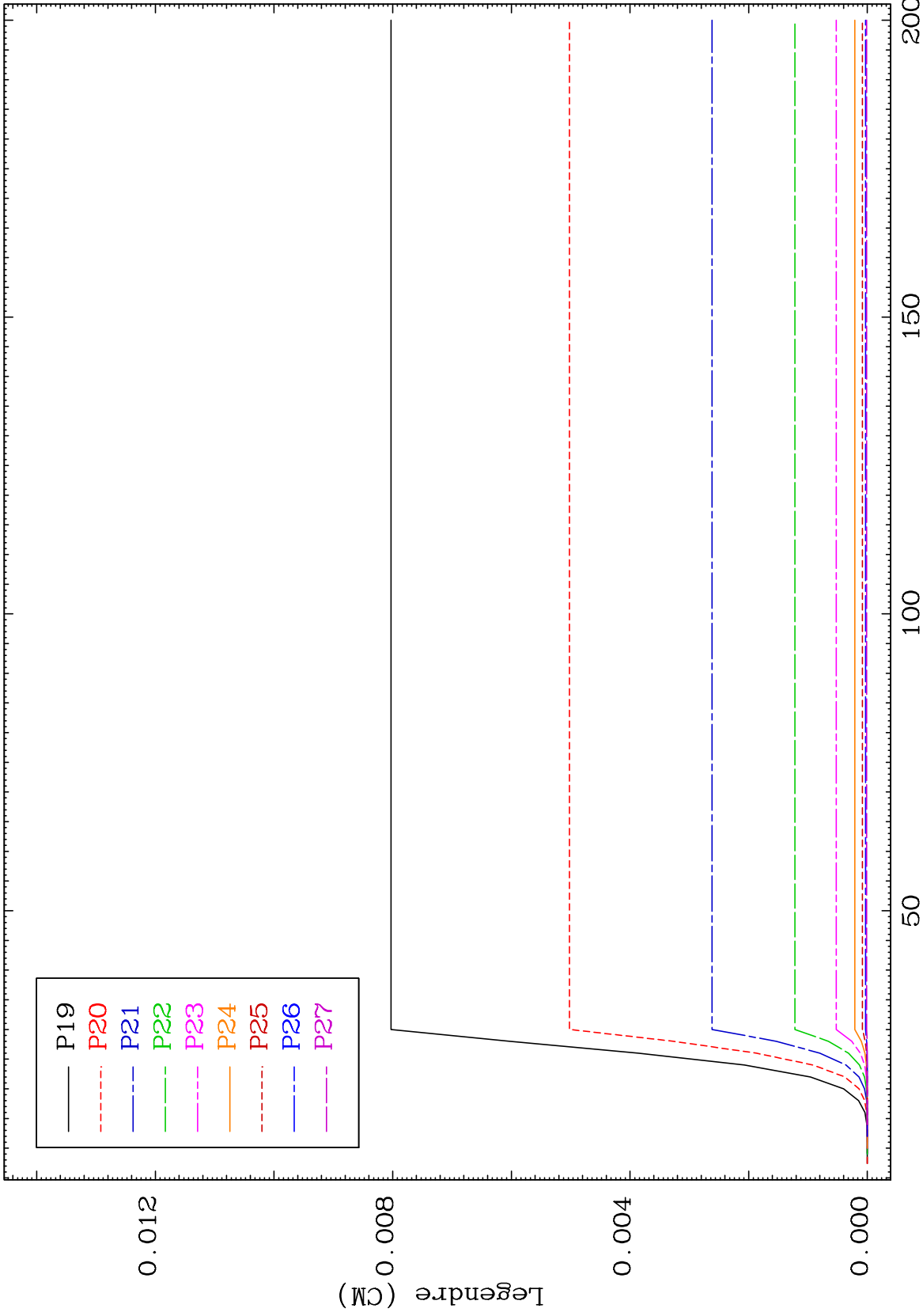
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



132

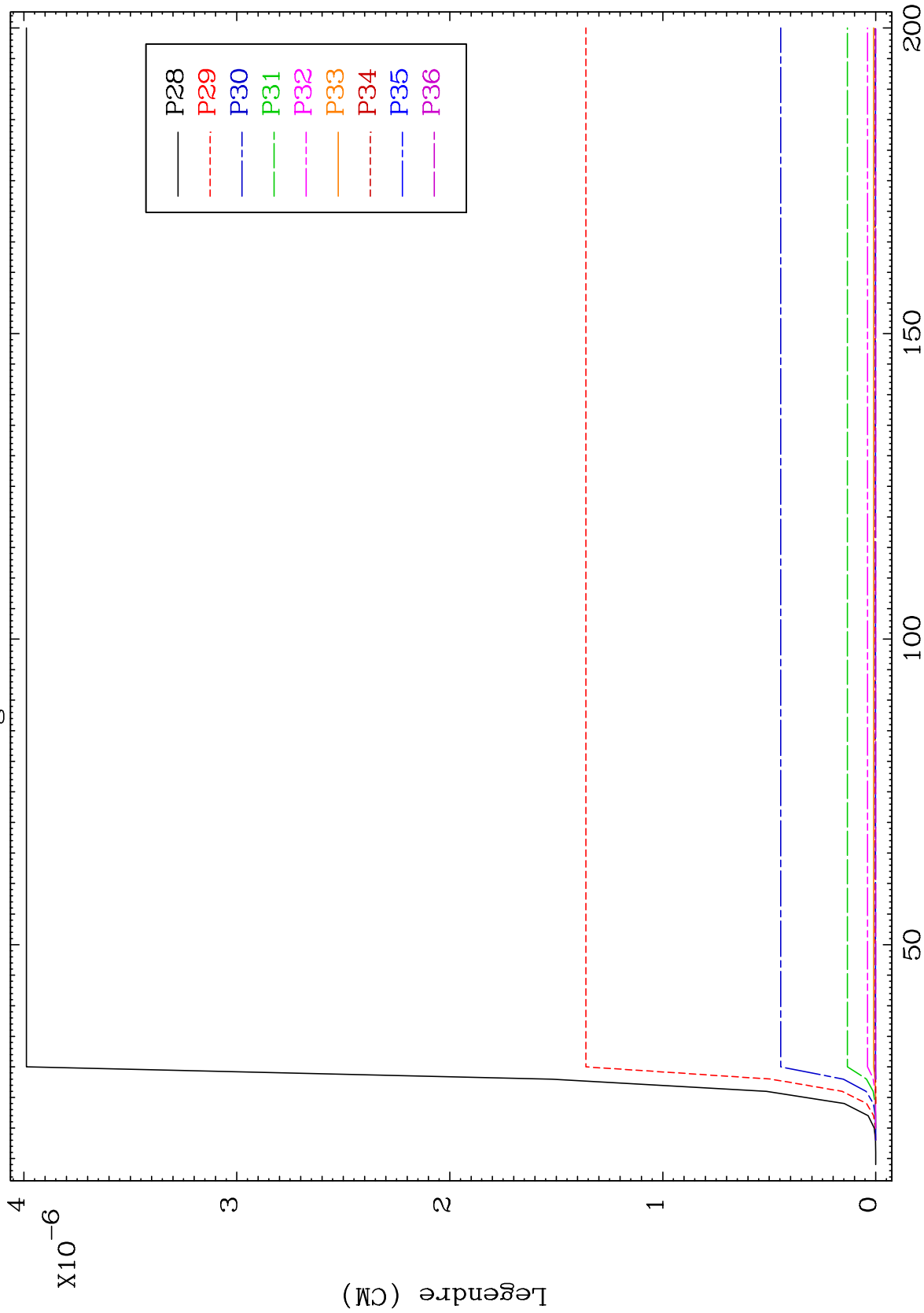
Incident Energy (MeV)

57-La-131

MAT 5704

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

57-La-131



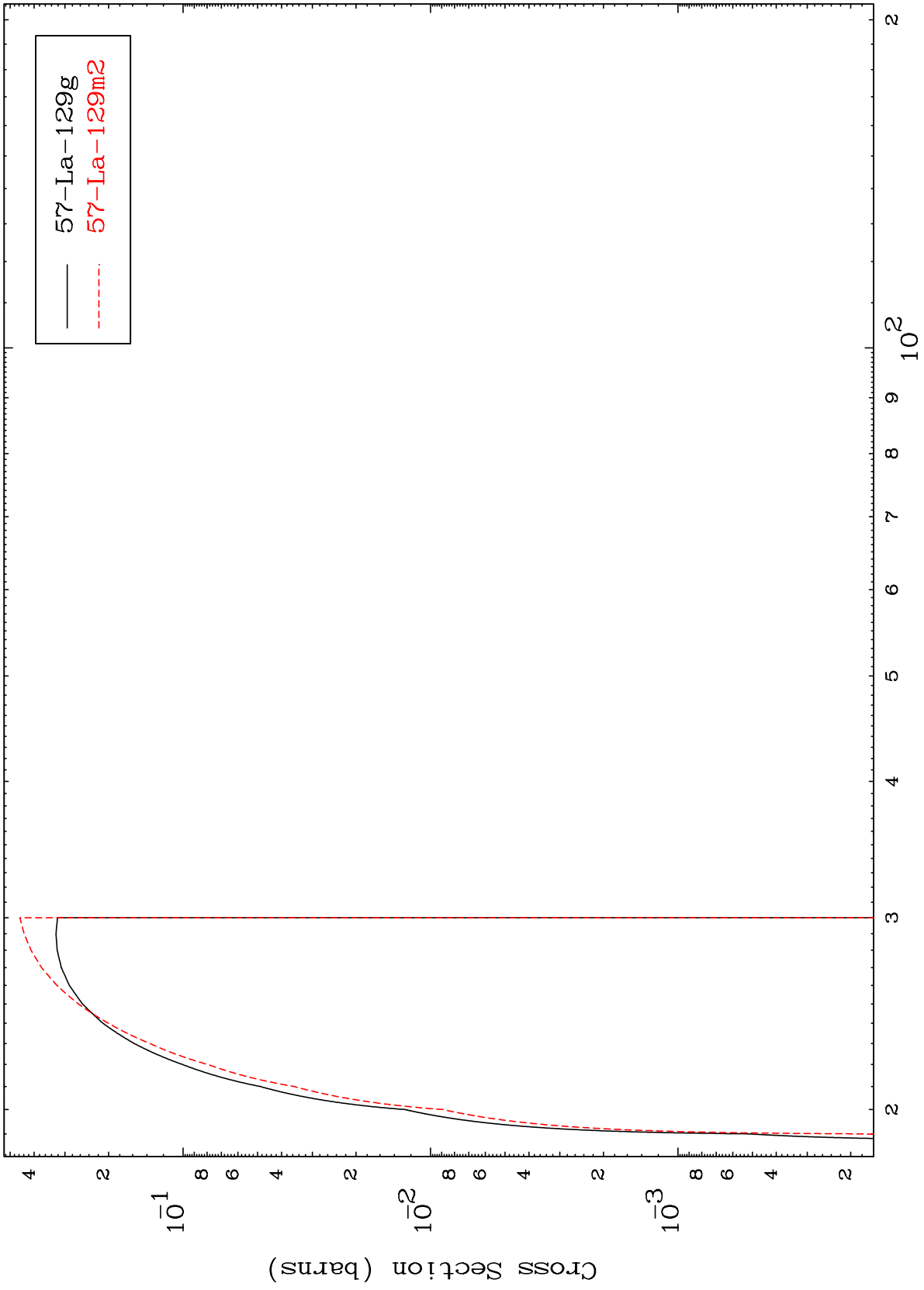
133

57-La-131

MAT 5704

57-La-131

(n,3n)  
Radionuclide Production Cross Section



134

Incident Energy (MeV)

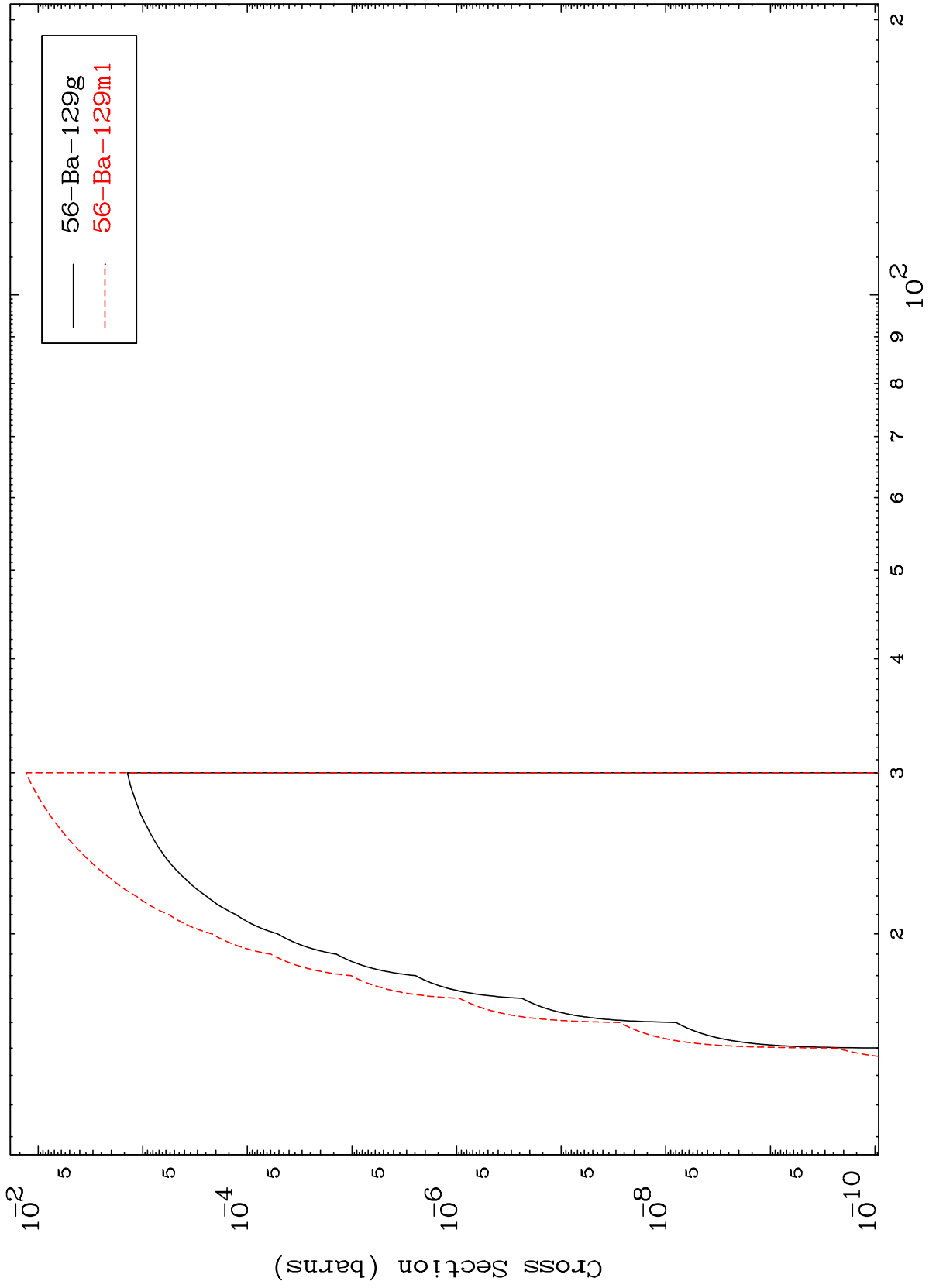
57-La-131

MAT 5704

(n,n') d

57-La-131

Radionuclide Production Cross Section



135

Incident Energy (MeV)

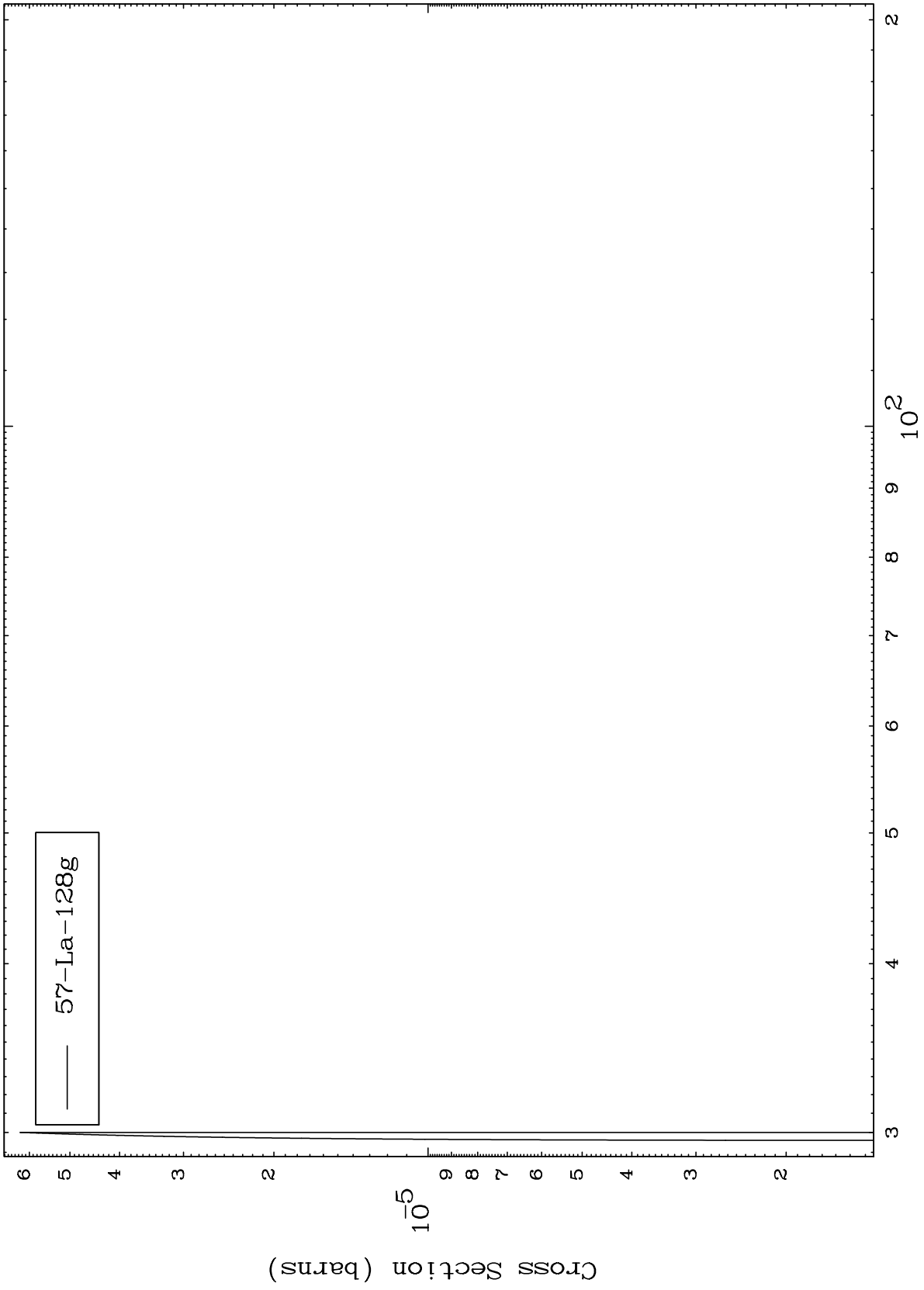
57-La-131



MAT 5704

57-La-131

(n,4n)  
Radionuclide Production Cross Section



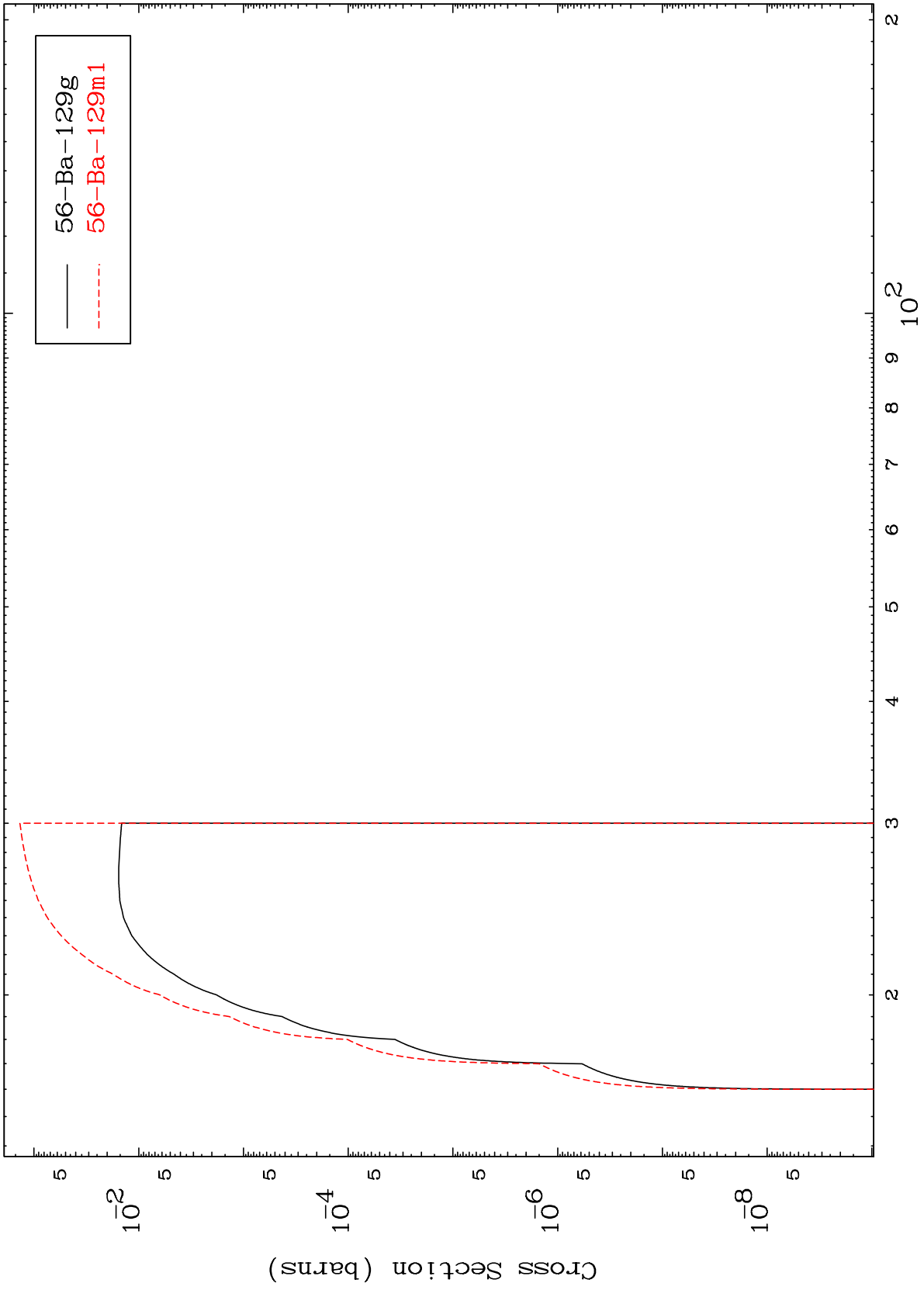
136

57-La-131

MAT 5704

57-La-131

(n,2n) p  
Radionuclide Production Cross Section



137

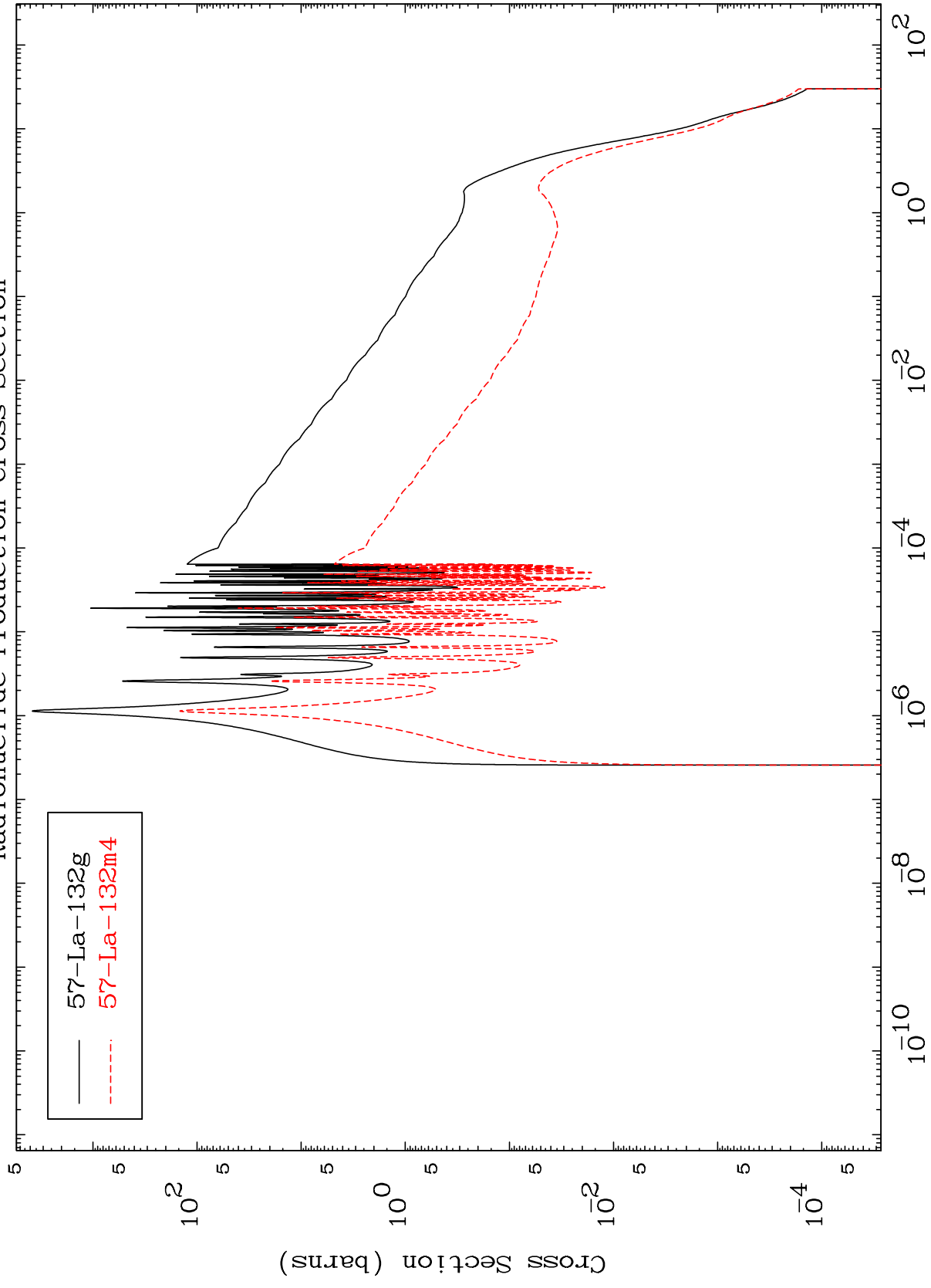
57-La-131

Incident Energy (MeV)

MAT 5704

57-La-131

Radionuclide Production Cross Section



57-La-131

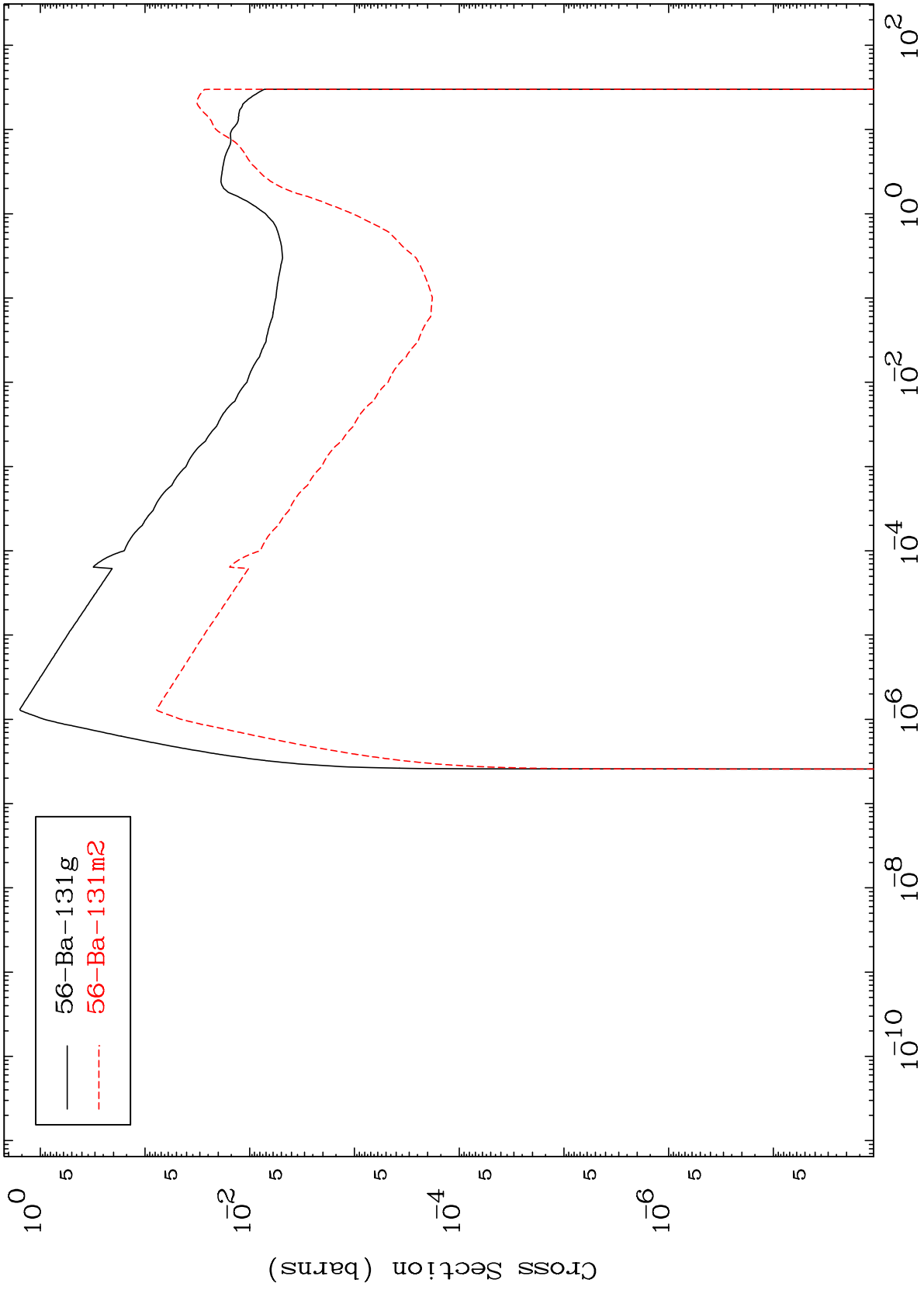
Incident Energy (MeV)

138

MAT 5704

57-La-131

Radionuclide Production Cross Section (n,p)

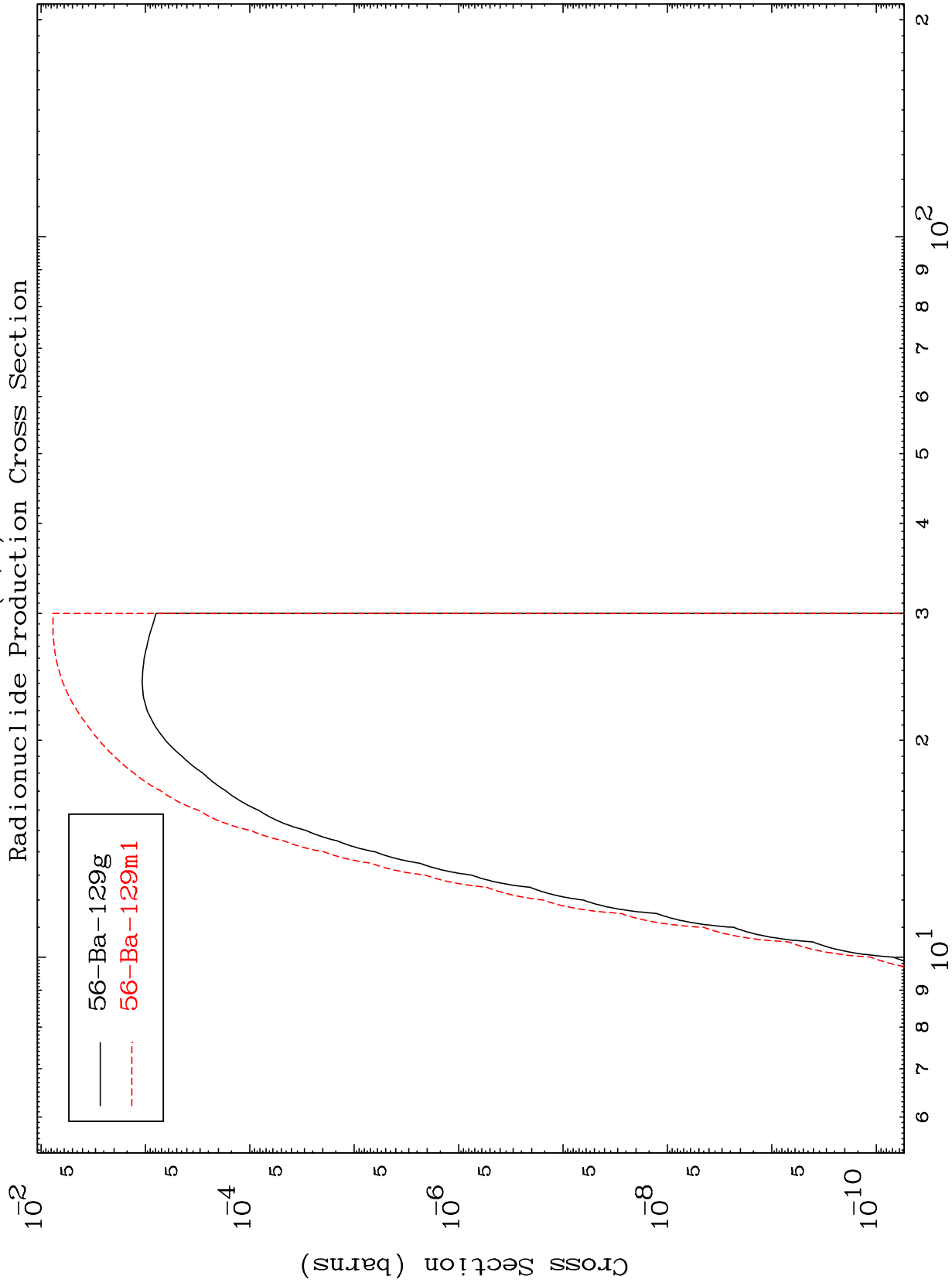


139

57-La-131

MAT 5704

57-La-131



— 56-Ba-129g  
- - - 56-Ba-129m1

57-La-131

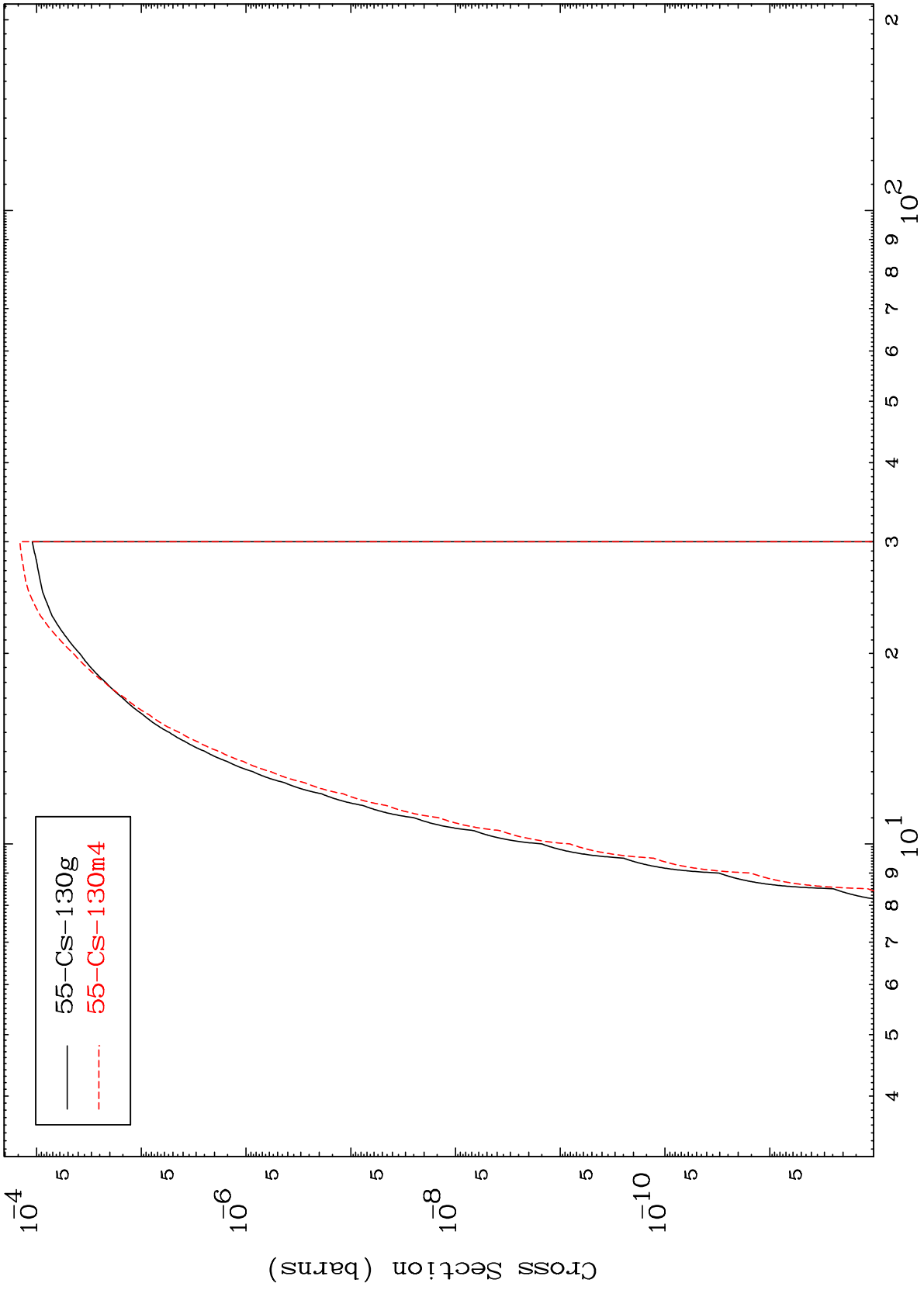
Incident Energy (MeV)

140

MAT 5704

57-La-131

(n,2p)  
Radionuclide Production Cross Section



141

57-La-131

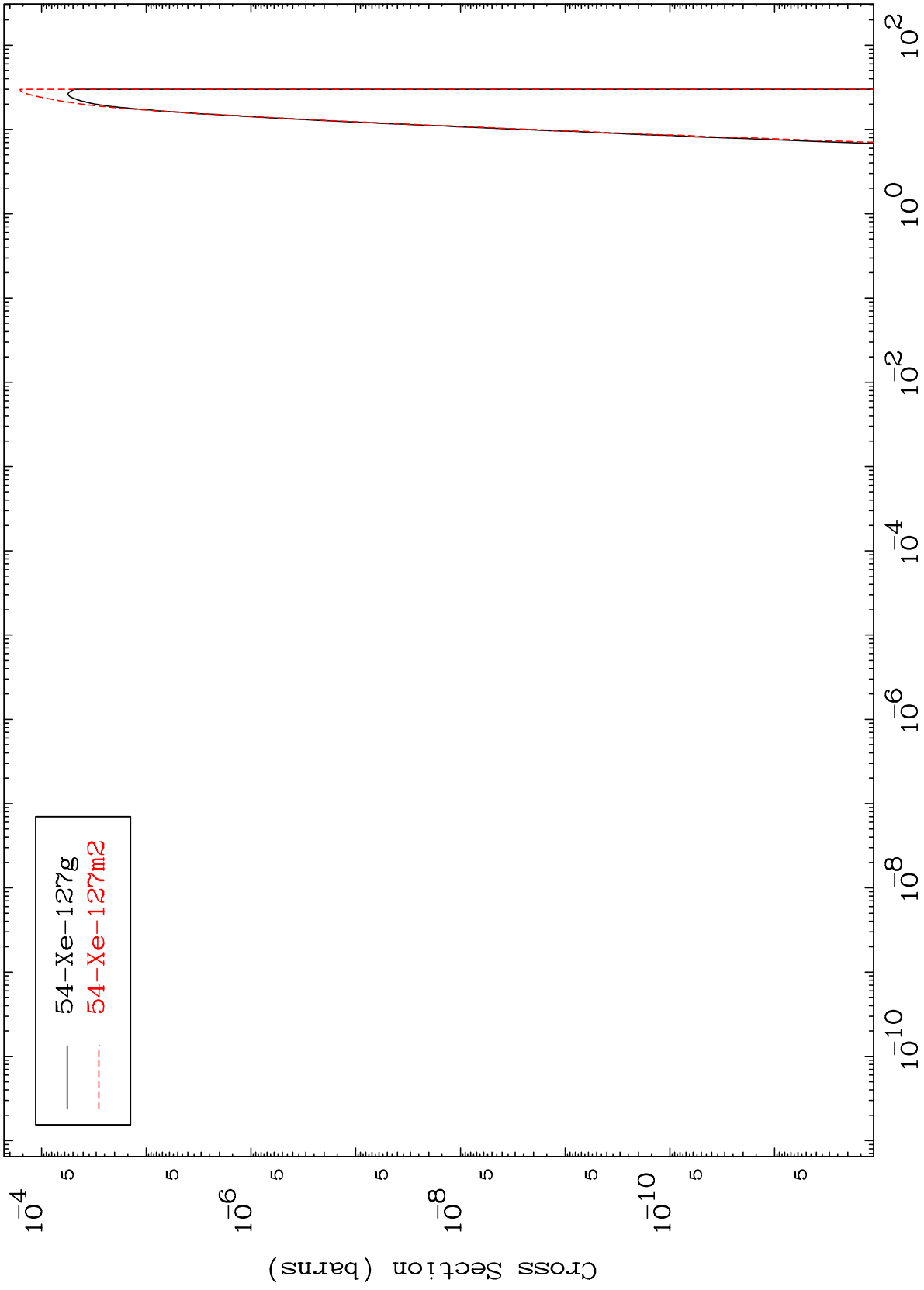
Incident Energy (MeV)

MAT 5704

(n,p)  $\alpha$

57-La-131

Radionuclide Production Cross Section



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Incident Energy (MeV)

57-La-131