

Program EVALPLOT
(Version 2018-1)

by

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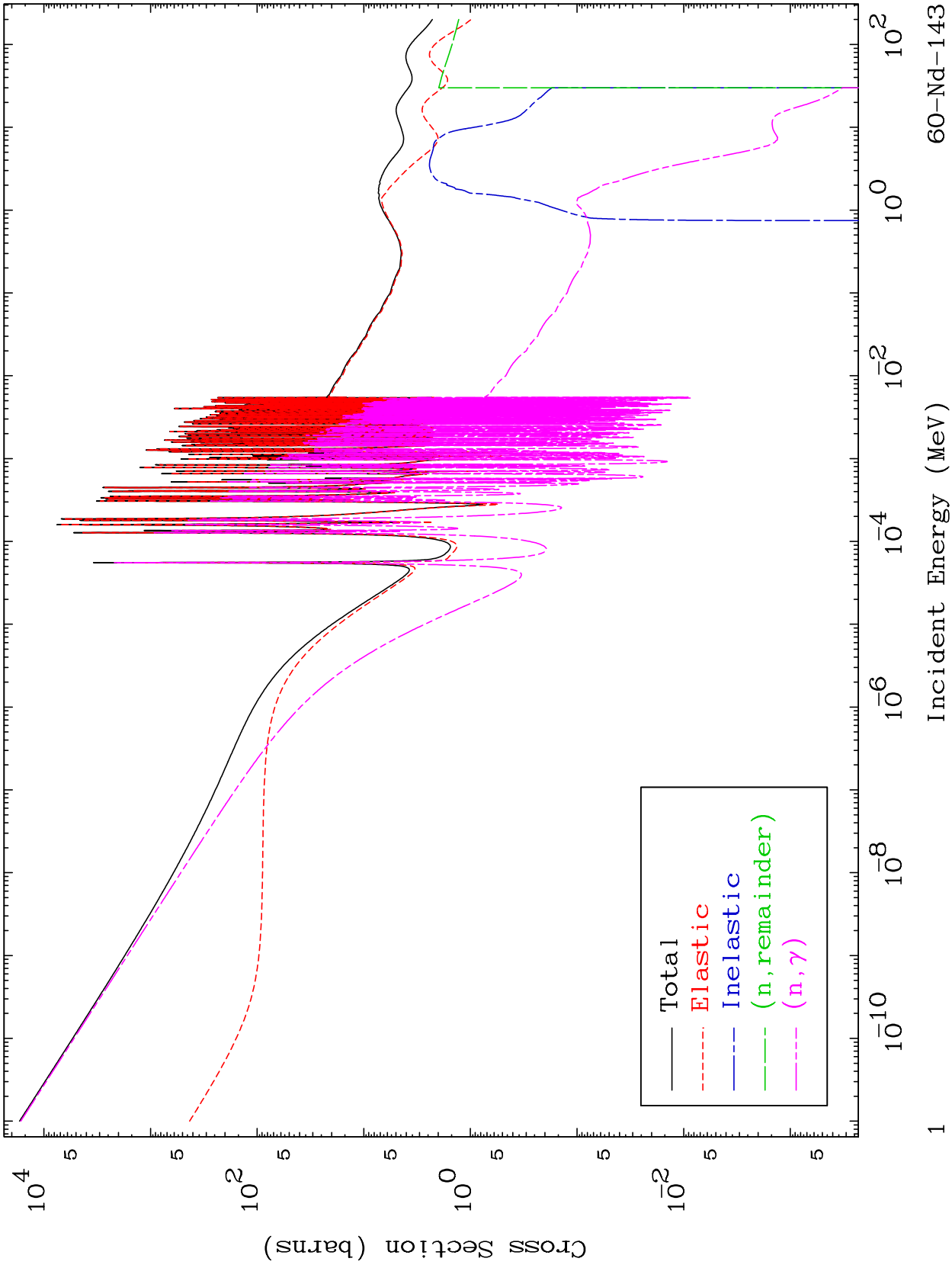
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6028

Major
293 Kelvin Cross Sections

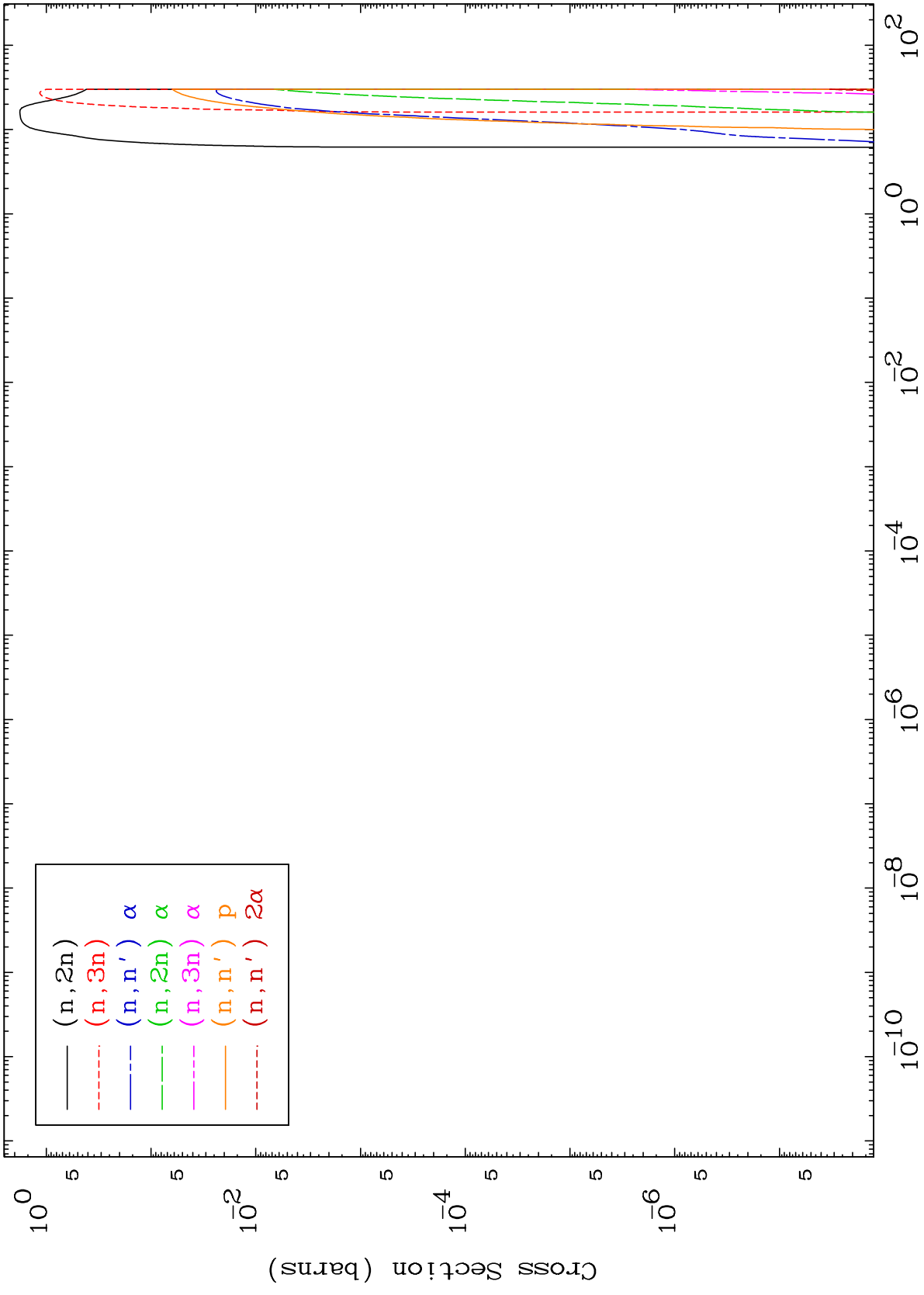
60-Nd-143



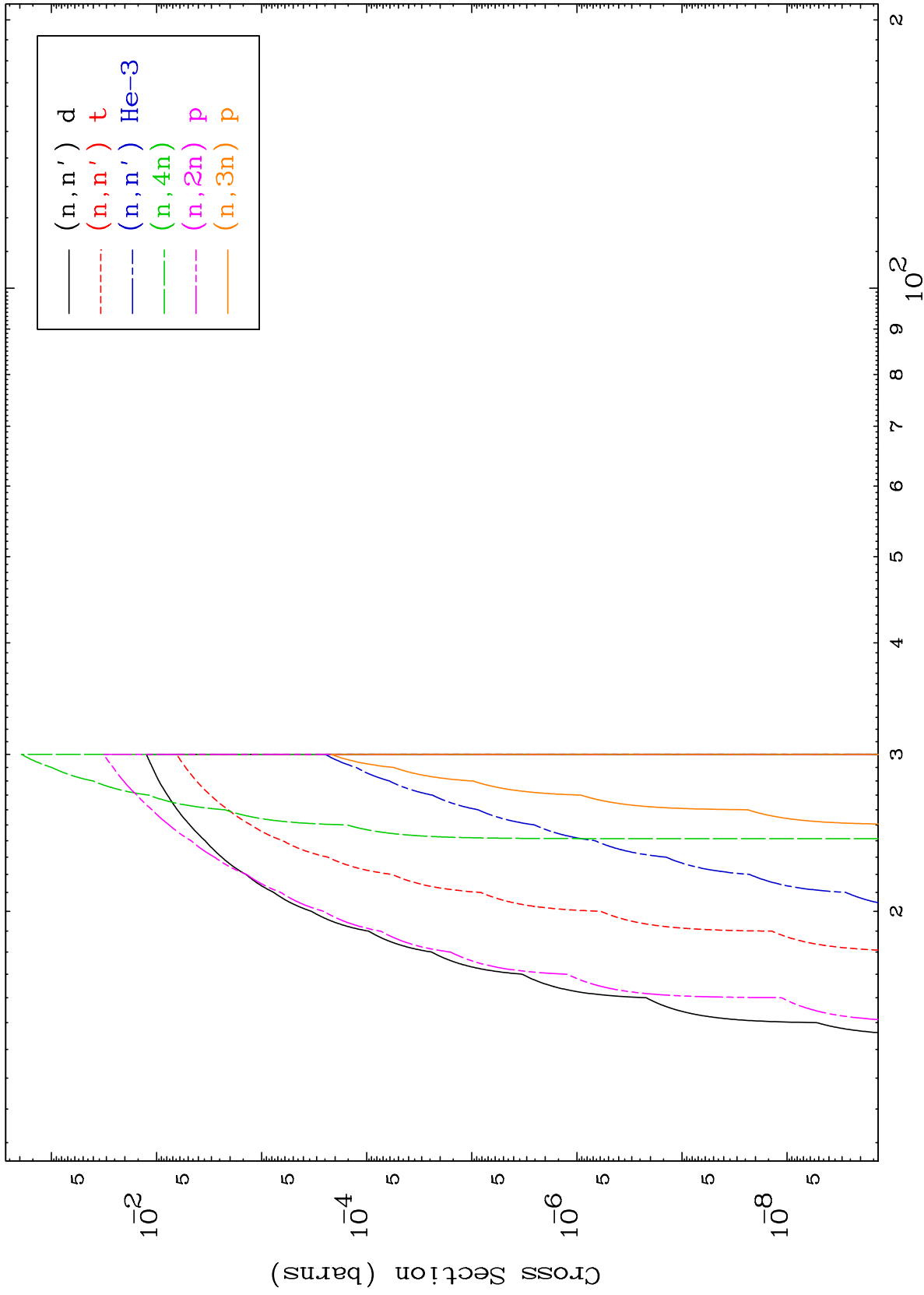
MAT 6028

Neutron Production
293 Kelvin Cross Sections

60-Nd-143



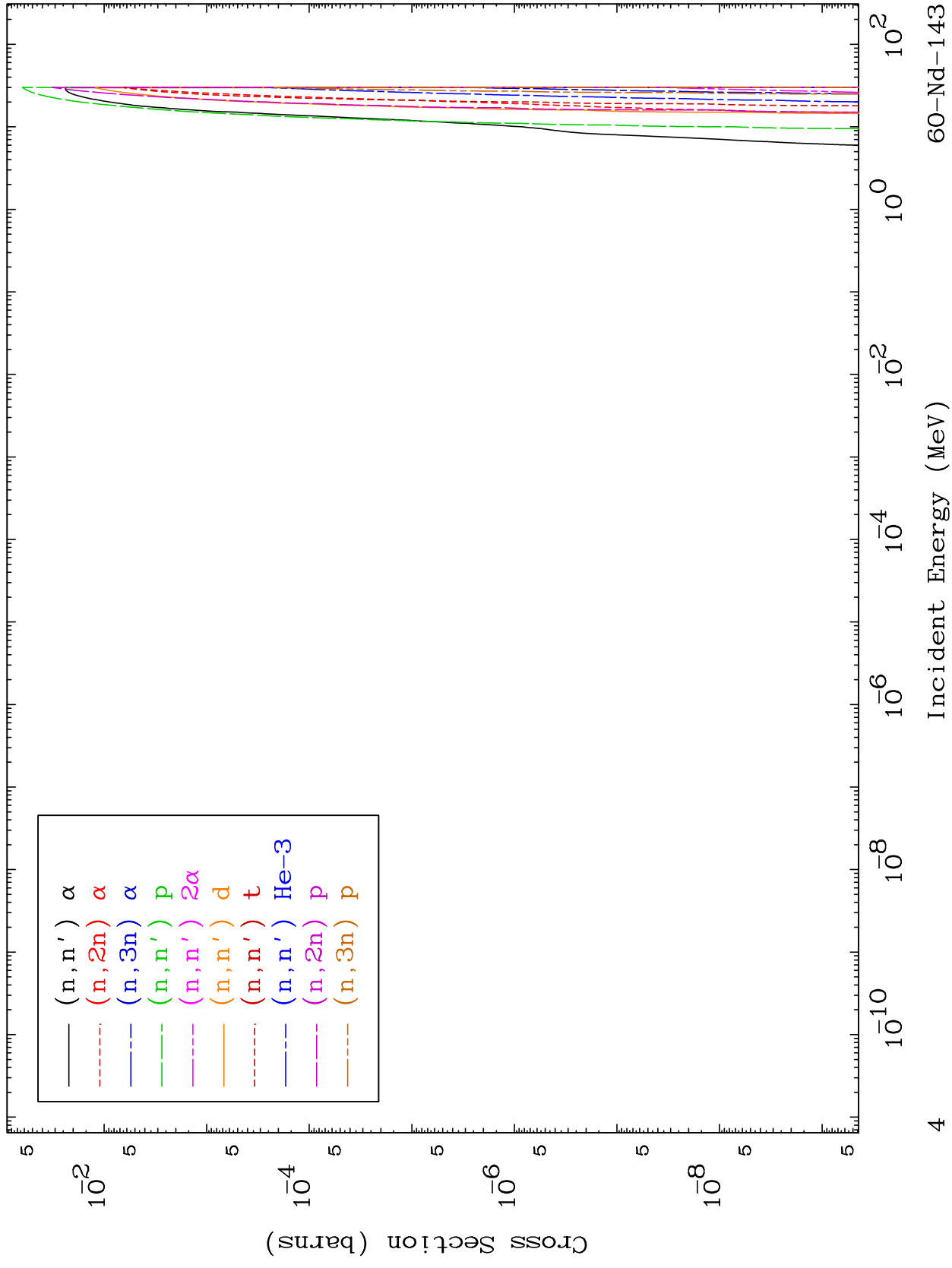
60-Nd-143



MAT 6028

293 Charged Particle
Kelvin Cross Sections

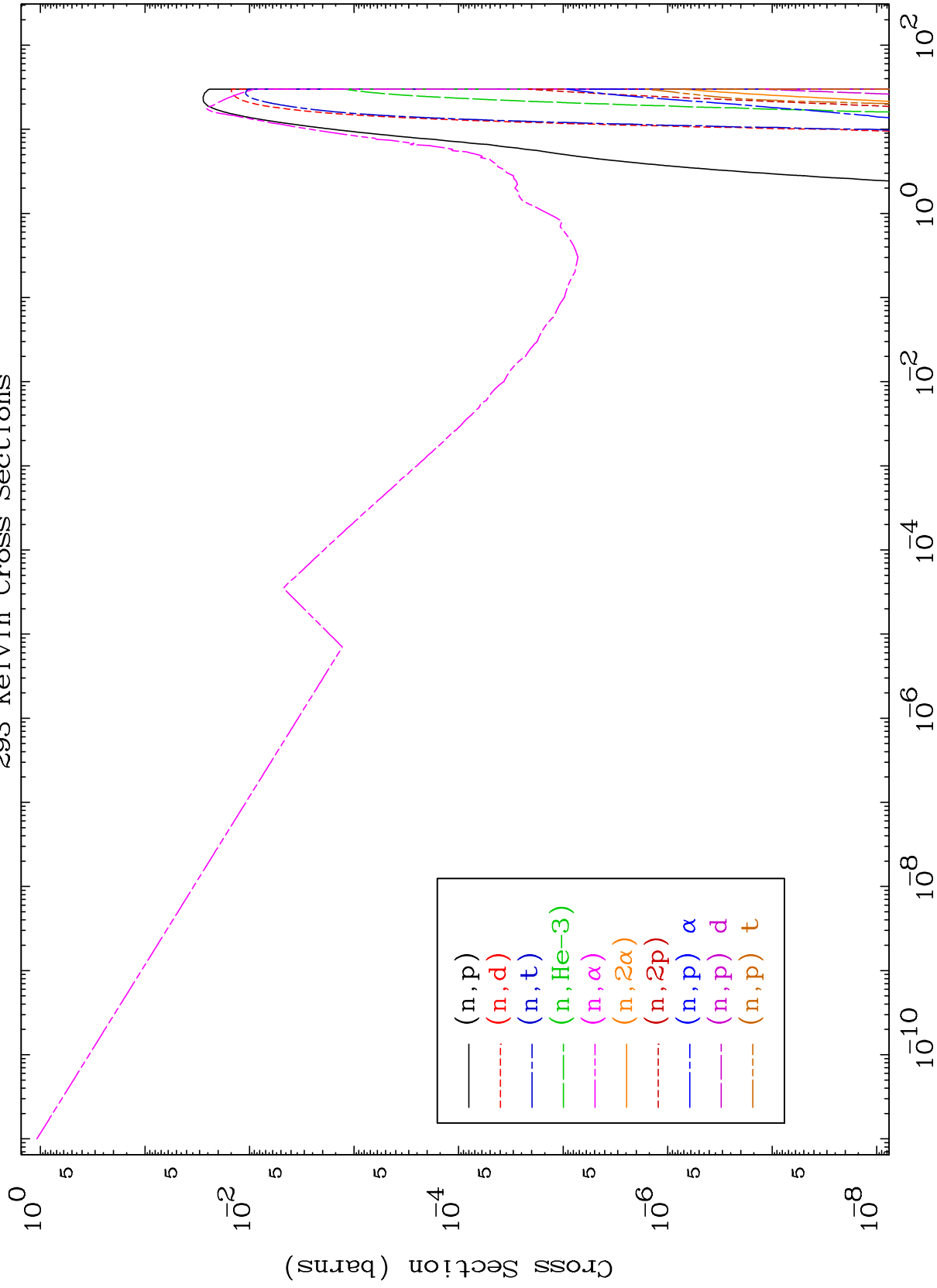
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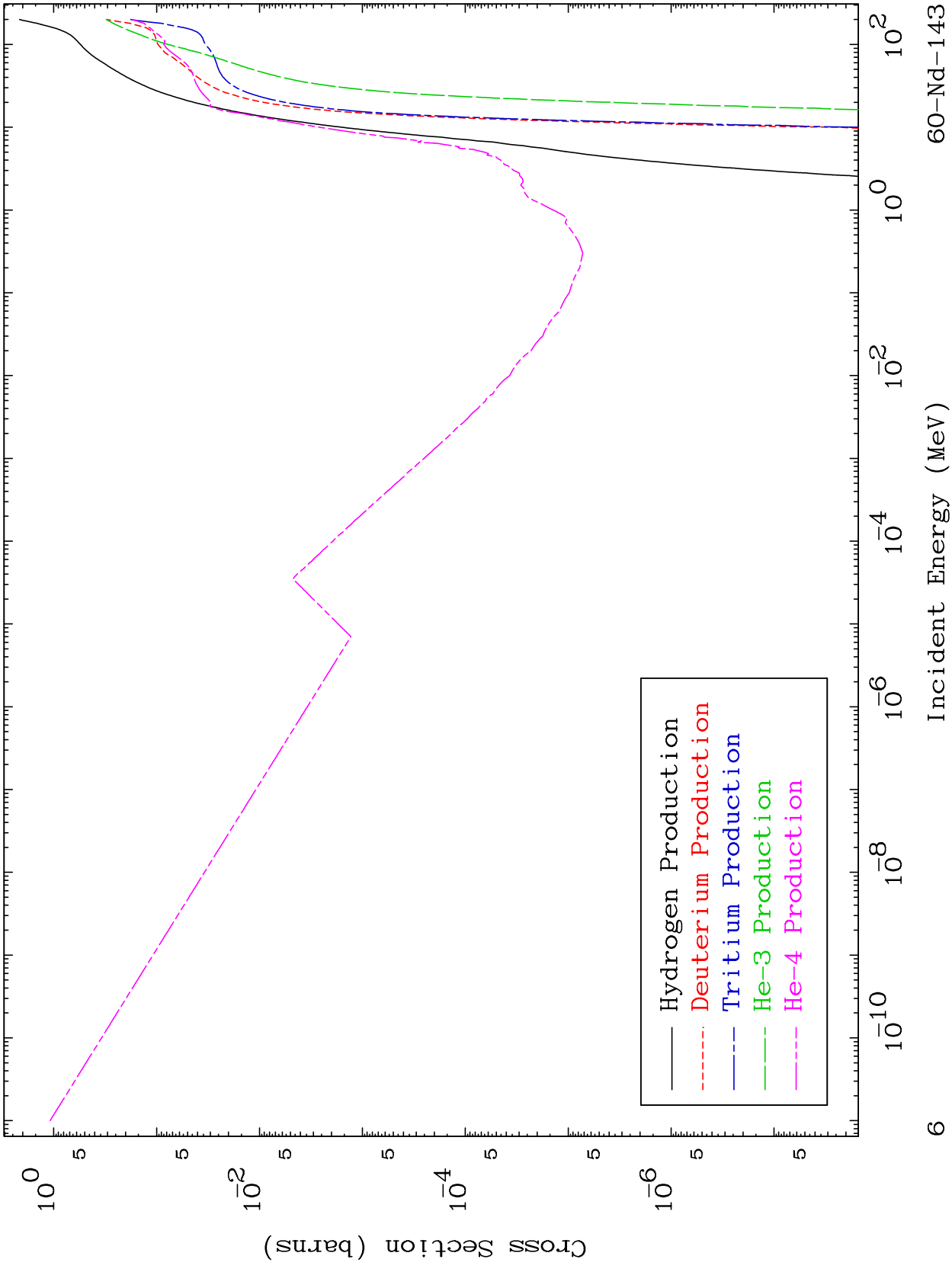


MAT 6028

Charged Particle
293 Kelvin Cross Sections

60-Nd-143



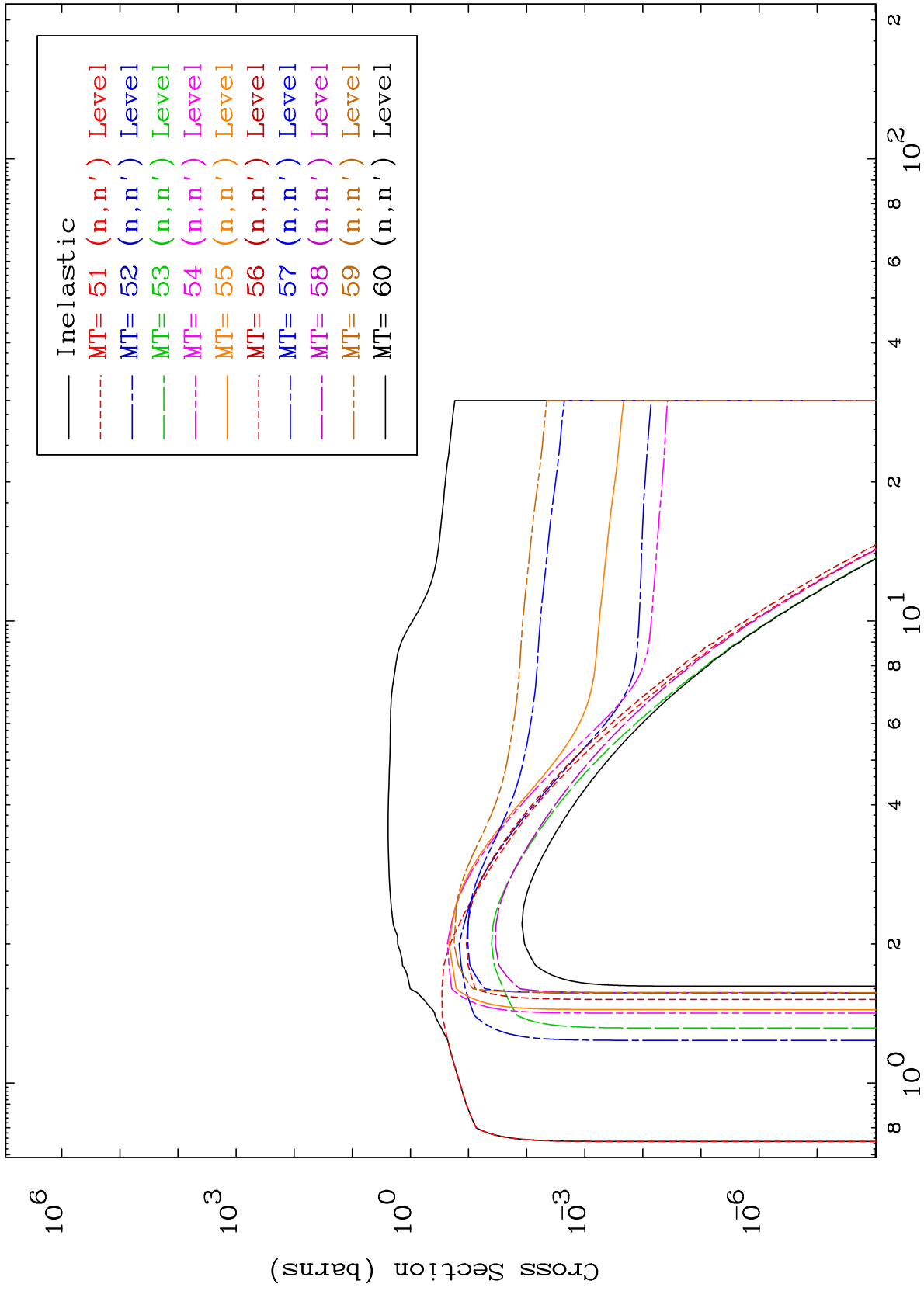


MAT 6028

(n,n') Level

60-Nd-143

293 Kelvin Cross Sections



7

Incident Energy (MeV)

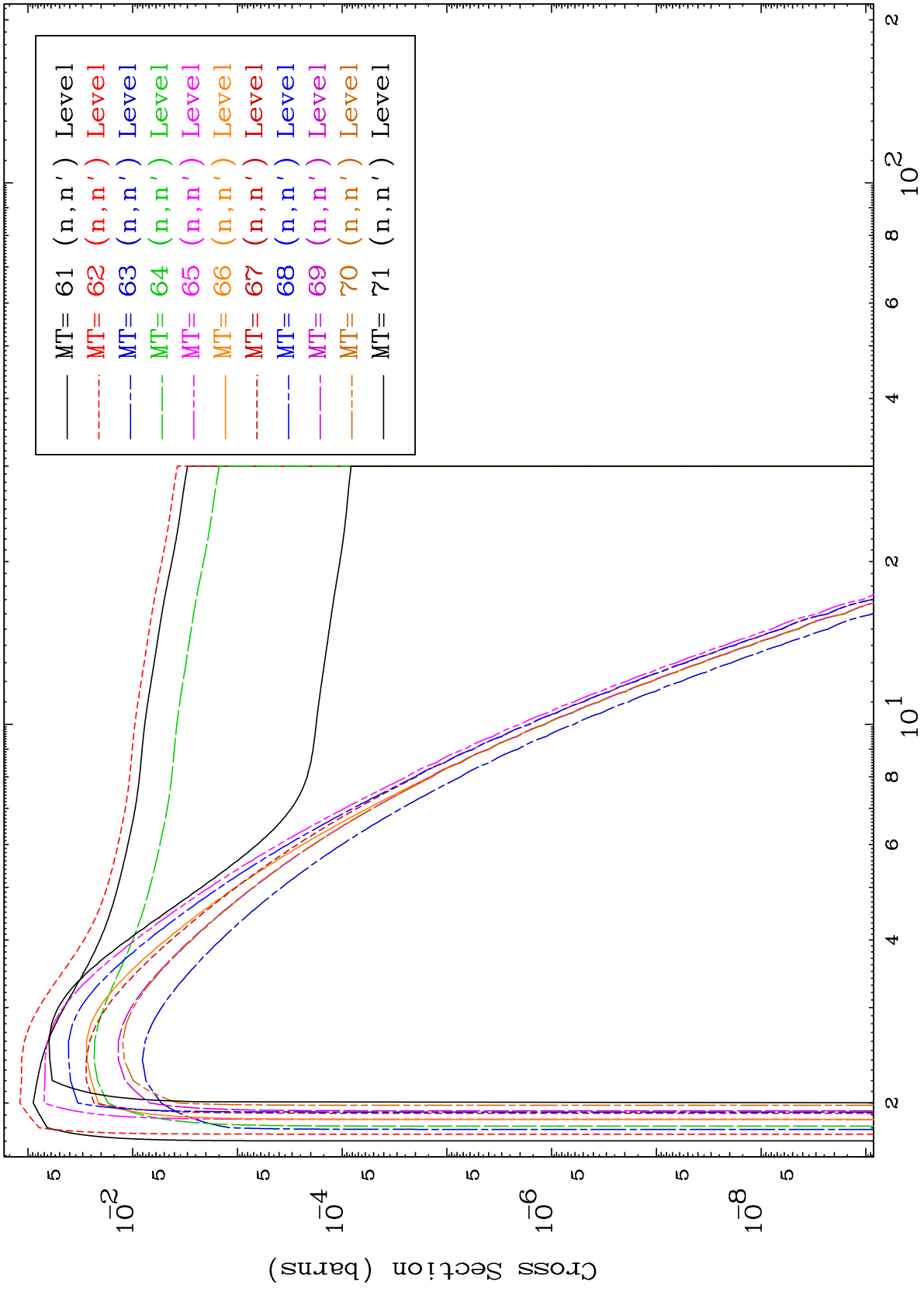
60-Nd-143

MAT 6028

(n,n') Level

60-Nd-143

293 Kelvin Cross Sections



8

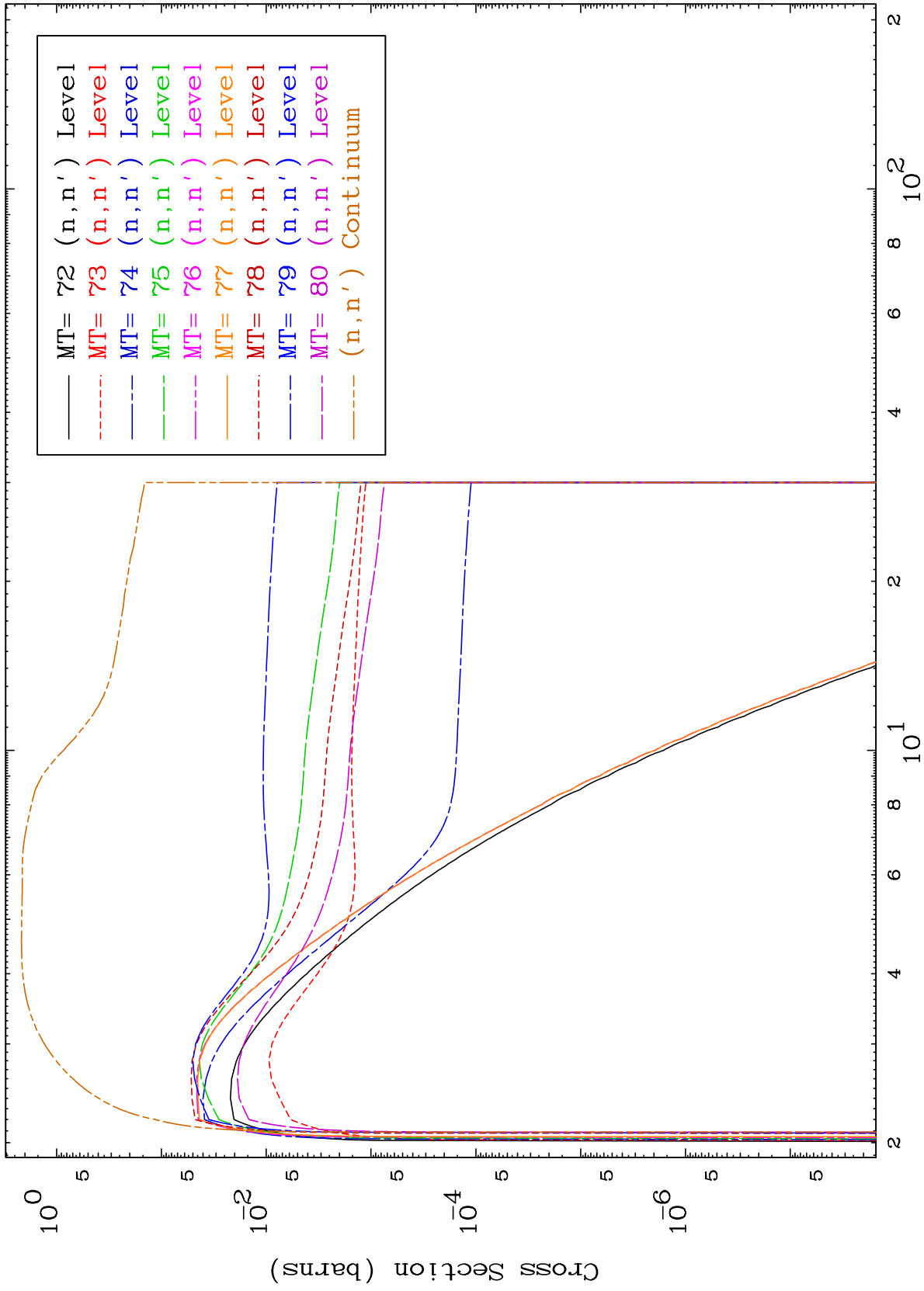
Incident Energy (MeV)

60-Nd-143

MAT 6028

(n,n') Level
293 Kelvin Cross Sections

60-Nd-143



9

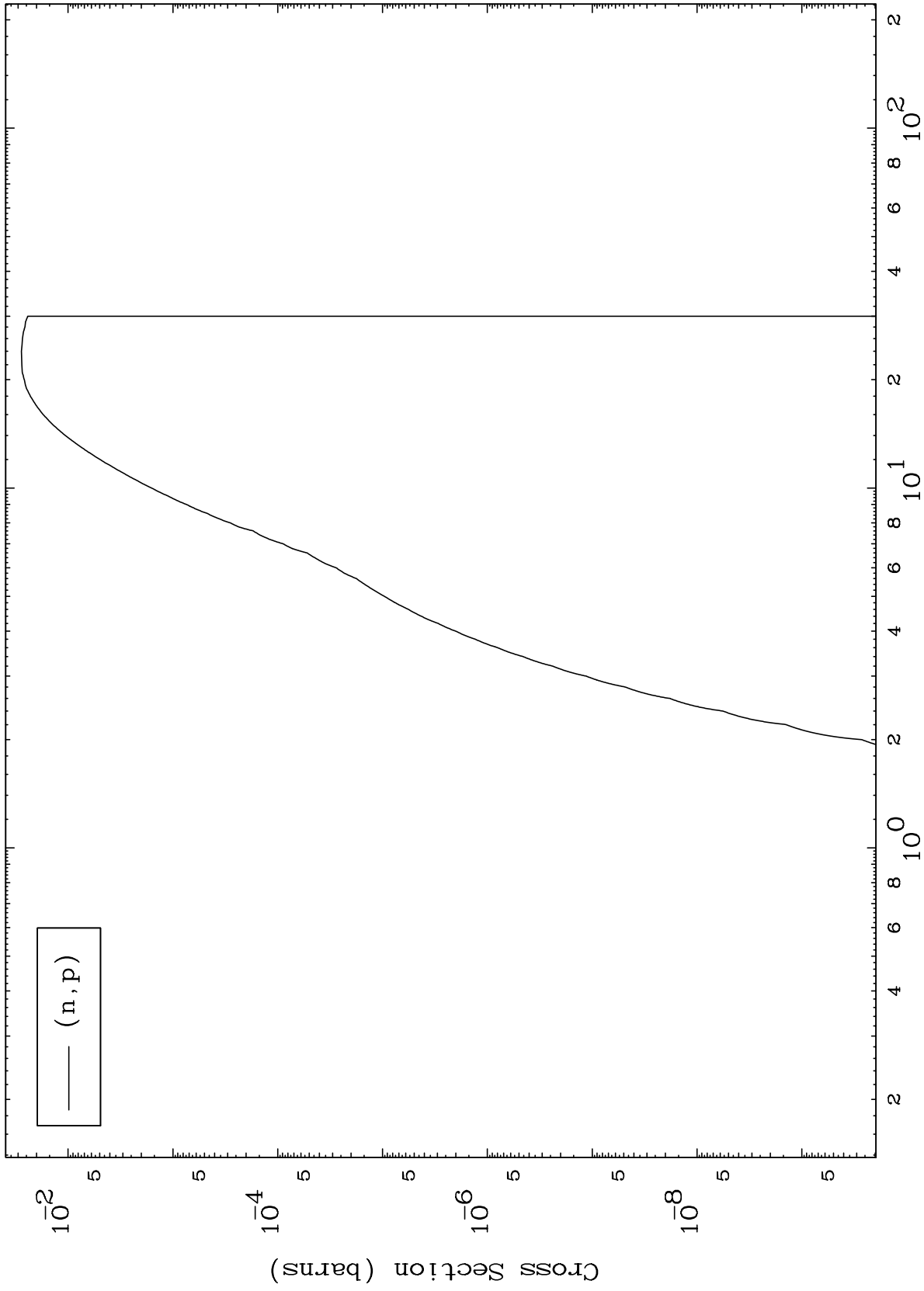
Incident Energy (MeV)

60-Nd-143

MAT 6028

(n,p) Levels
293 Kelvin Cross Sections

60-Nd-143



10

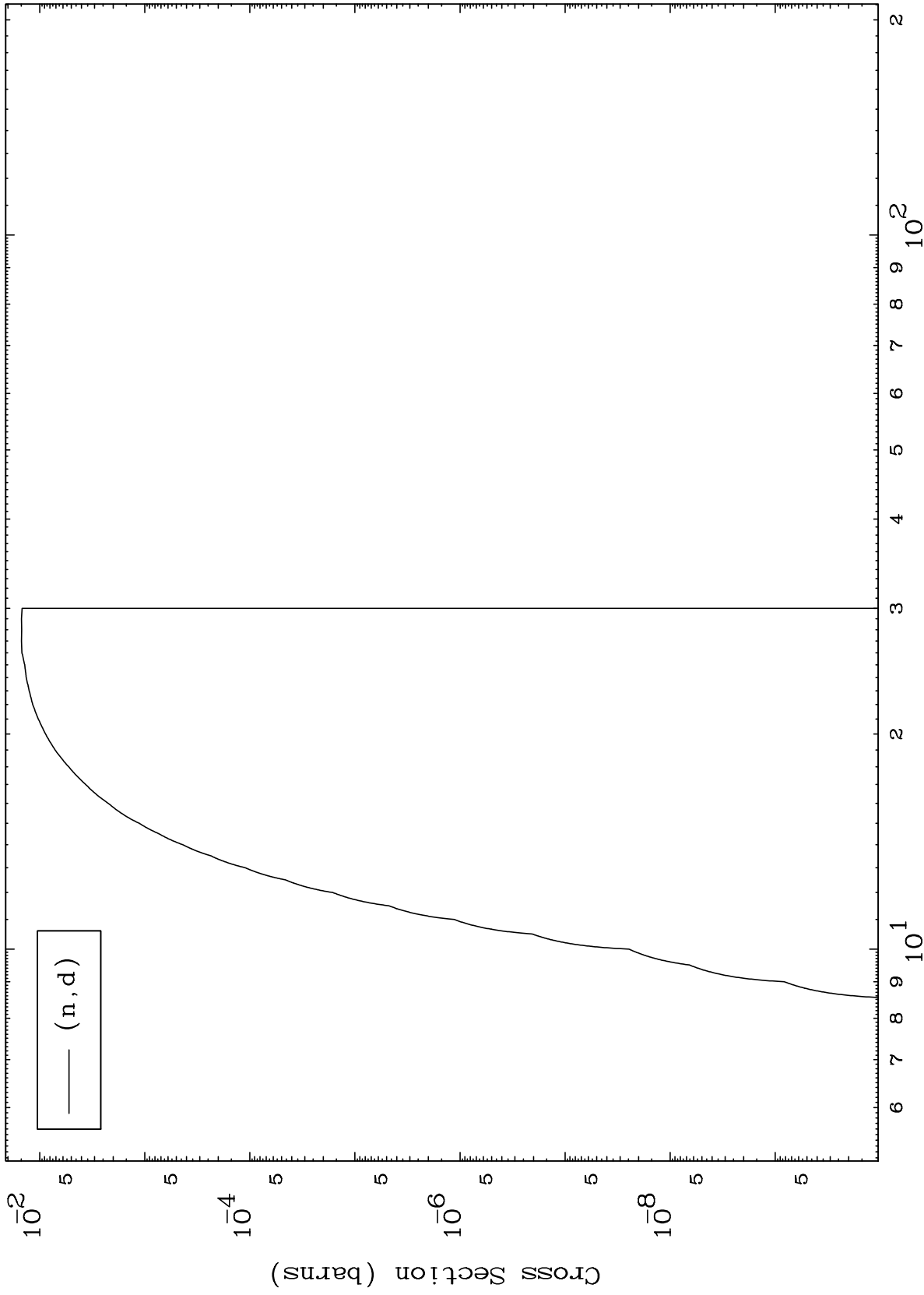
Incident Energy (MeV)

60-Nd-143

MAT 6028

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-143



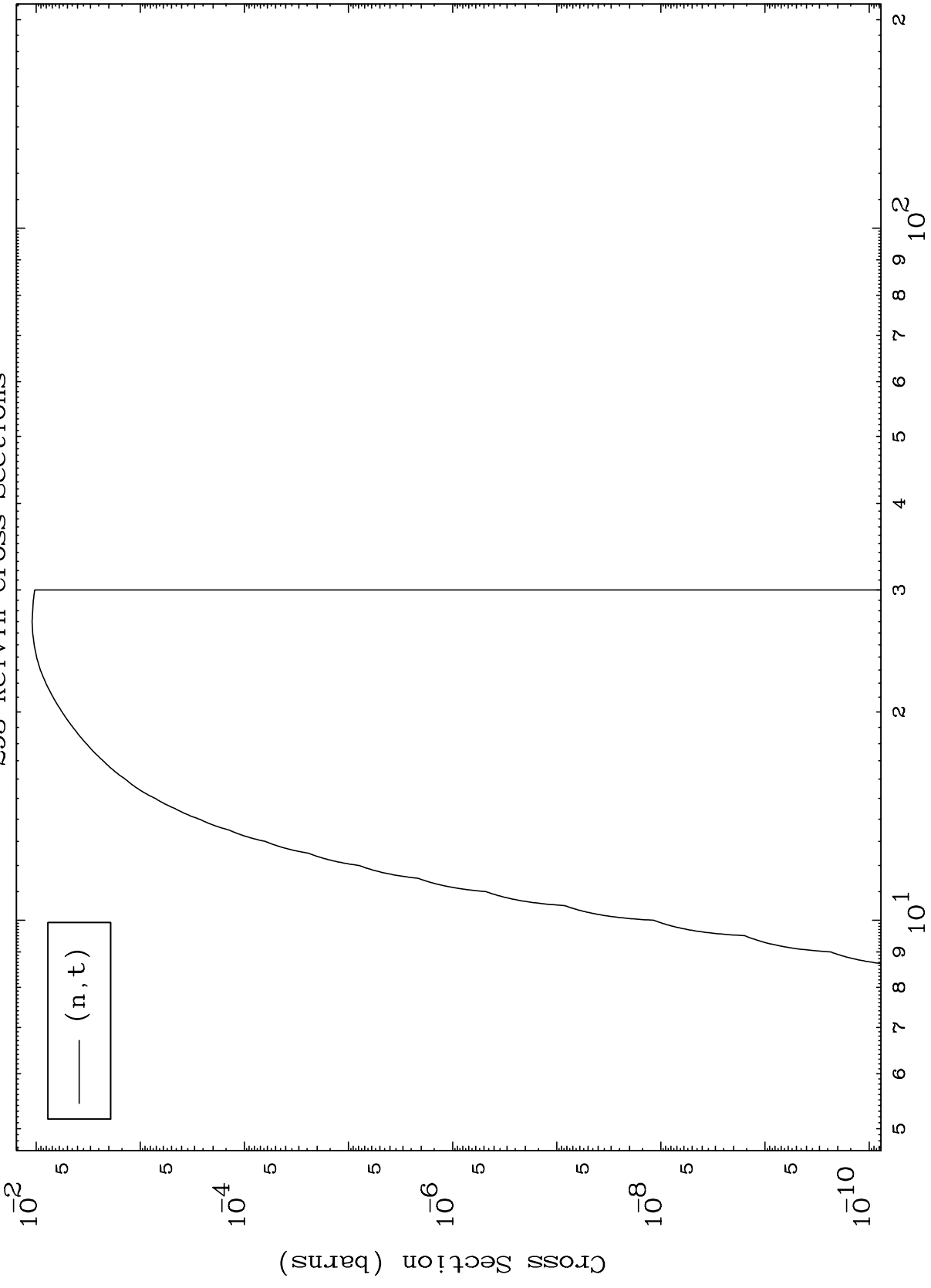
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60-Nd-143

MAT 6028

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-143



12

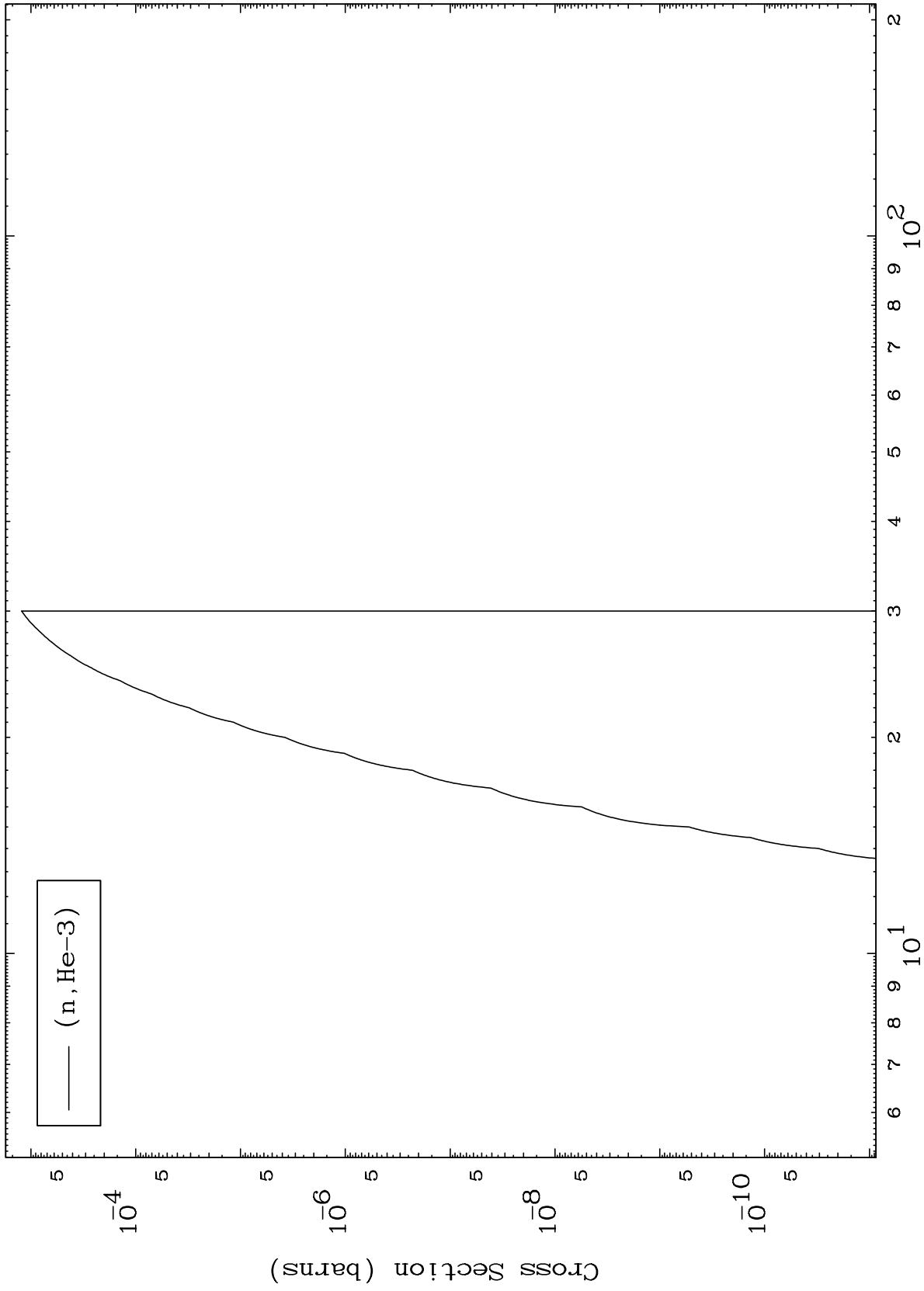
Incident Energy (MeV)

60-Nd-143

MAT 6028

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-143



13

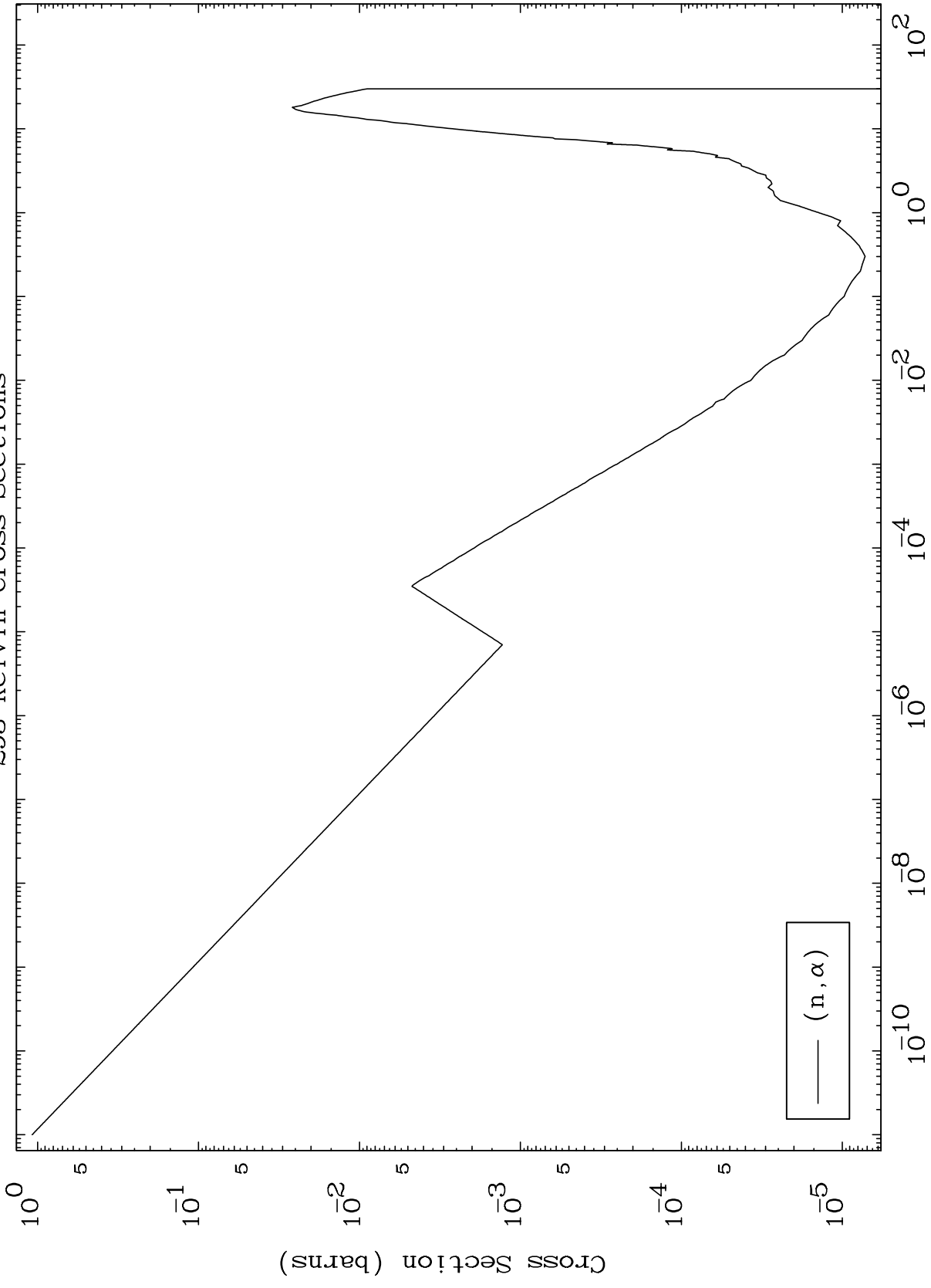
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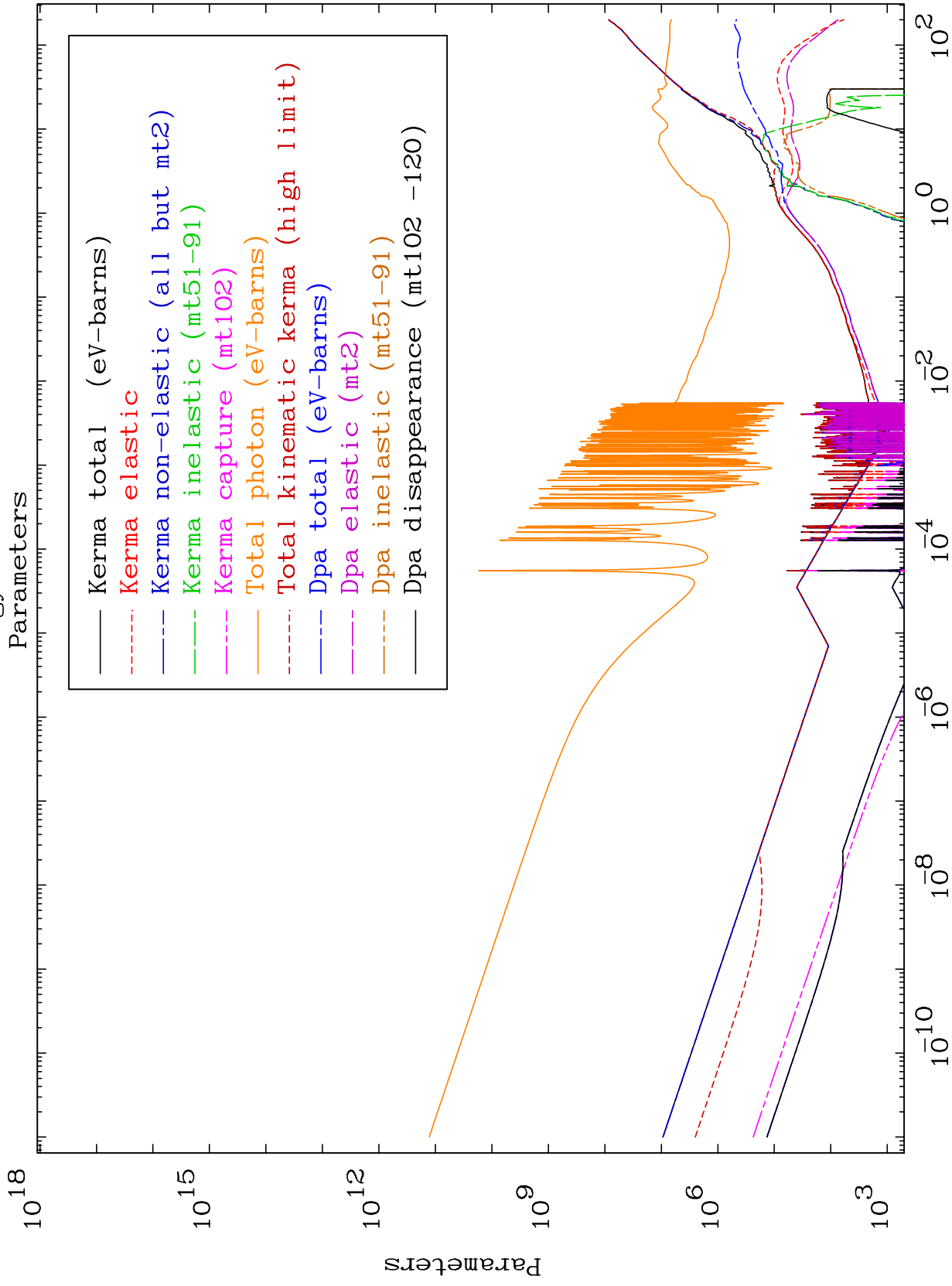
60-Nd-143

MAT 6028

(n,α) Levels
293 Kelvin Cross Sections

60-Nd-143

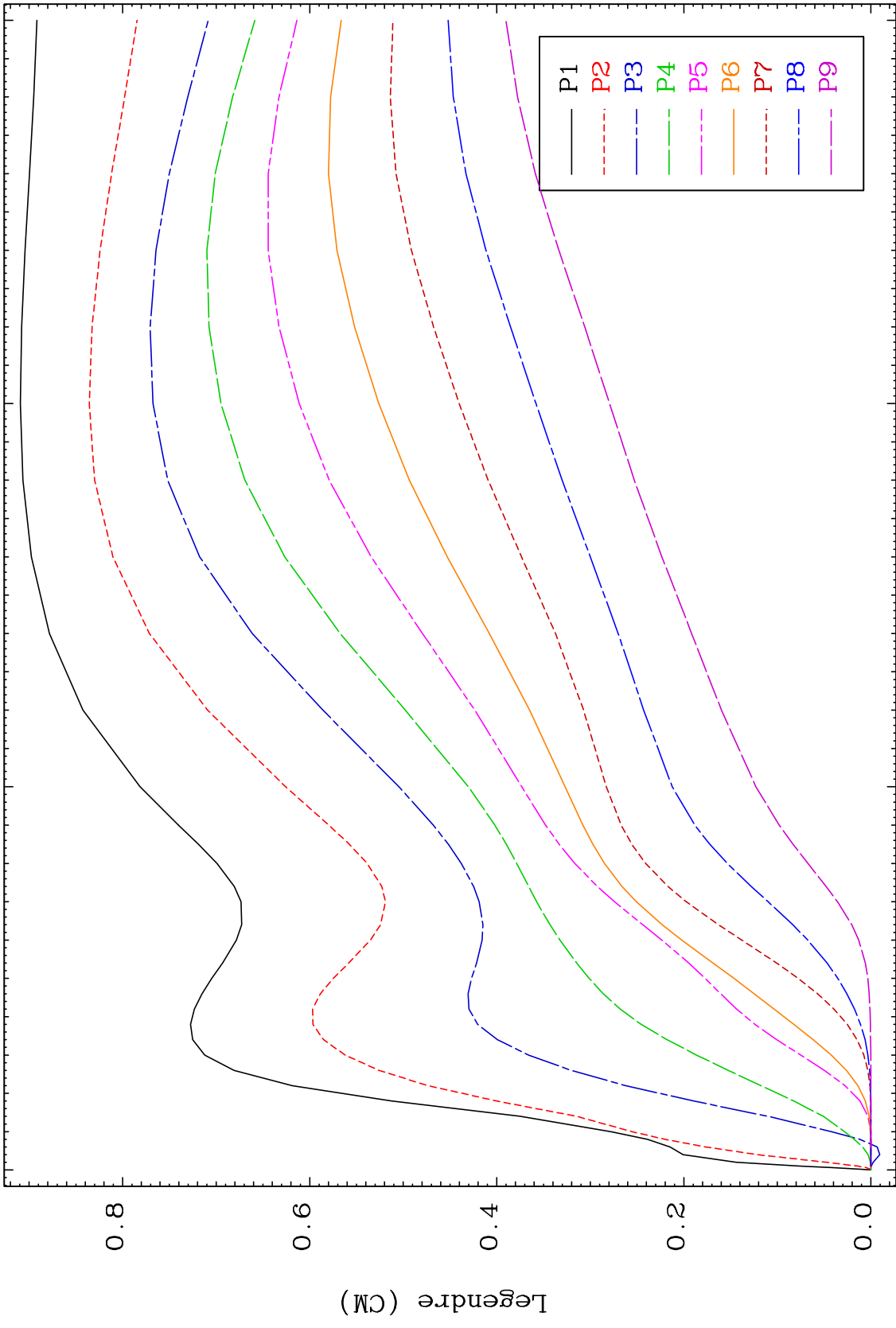




MAT 6028

Elastic Legendre Coefficients

60-Nd-143



60-Nd-143

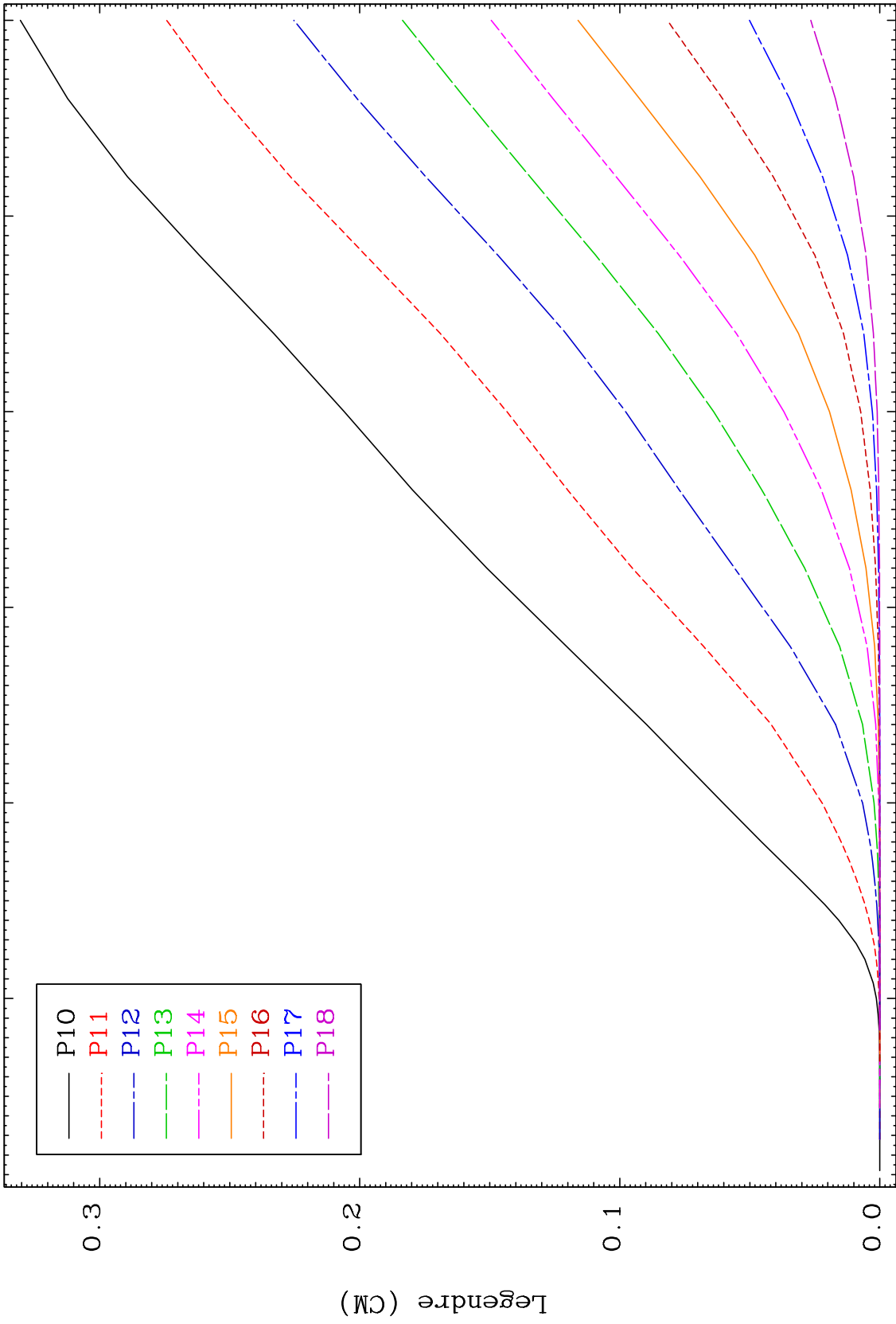
Incident Energy (MeV)

16

MAT 6028

Elastic Legendre Coefficients

60-Nd-143



17

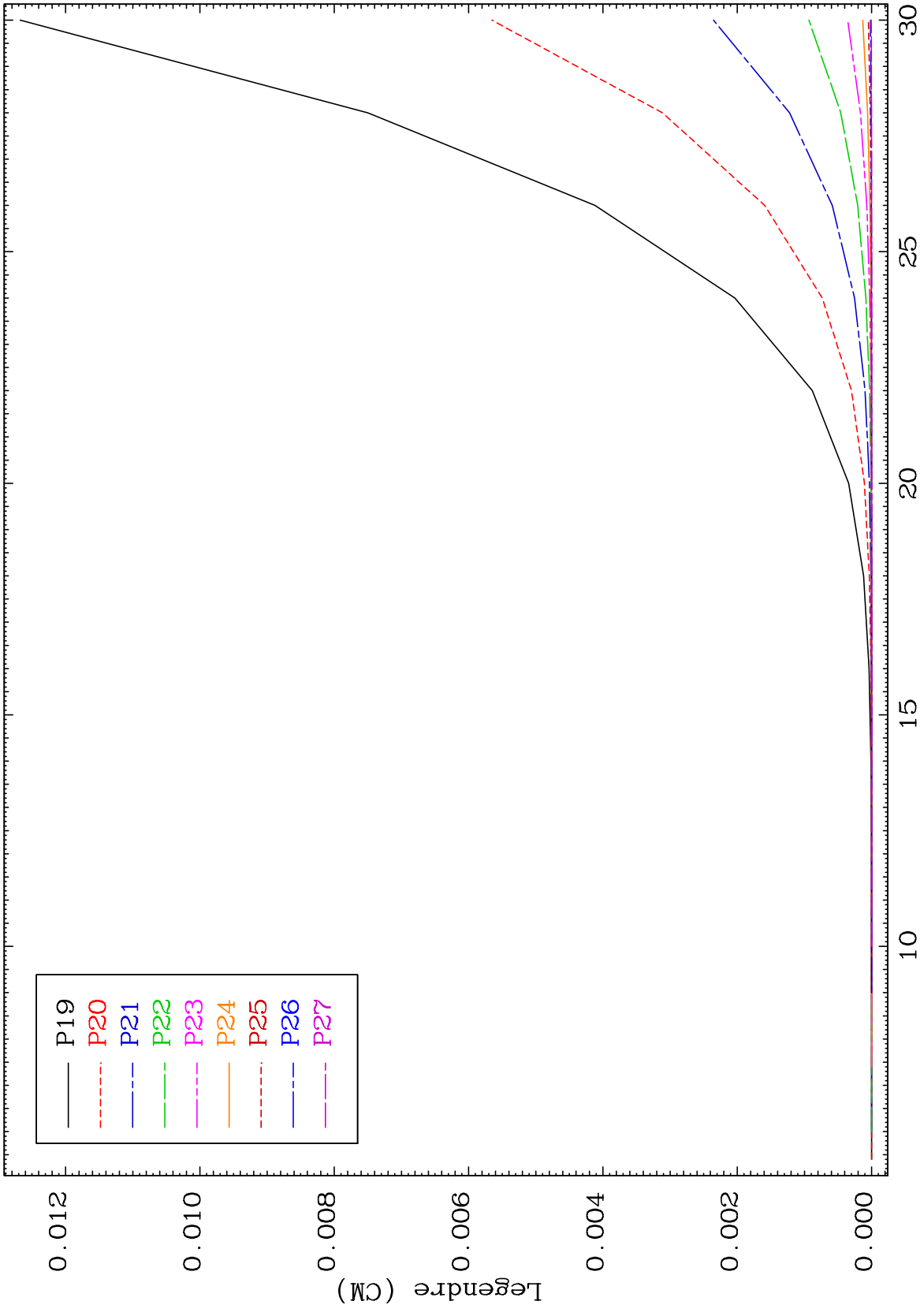
Incident Energy (MeV)

60-Nd-143

MAT 6028

Elastic Legendre Coefficients

60-Nd-143



18

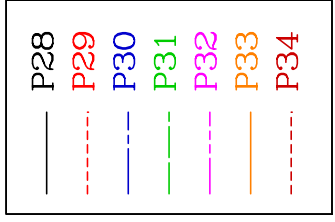
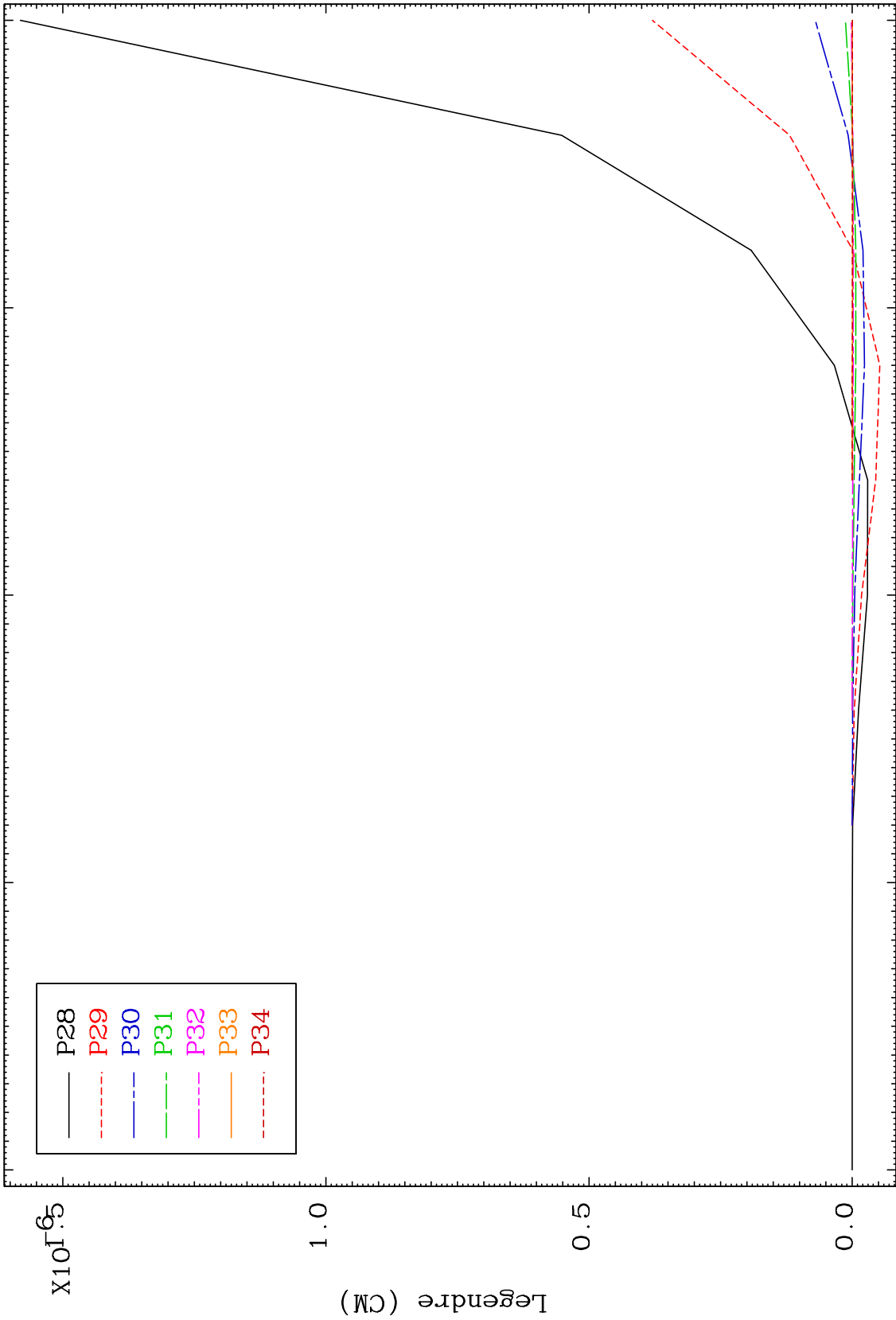
Incident Energy (MeV)

60-Nd-143

MAT 6028

Elastic Legendre Coefficients

60-Nd-143

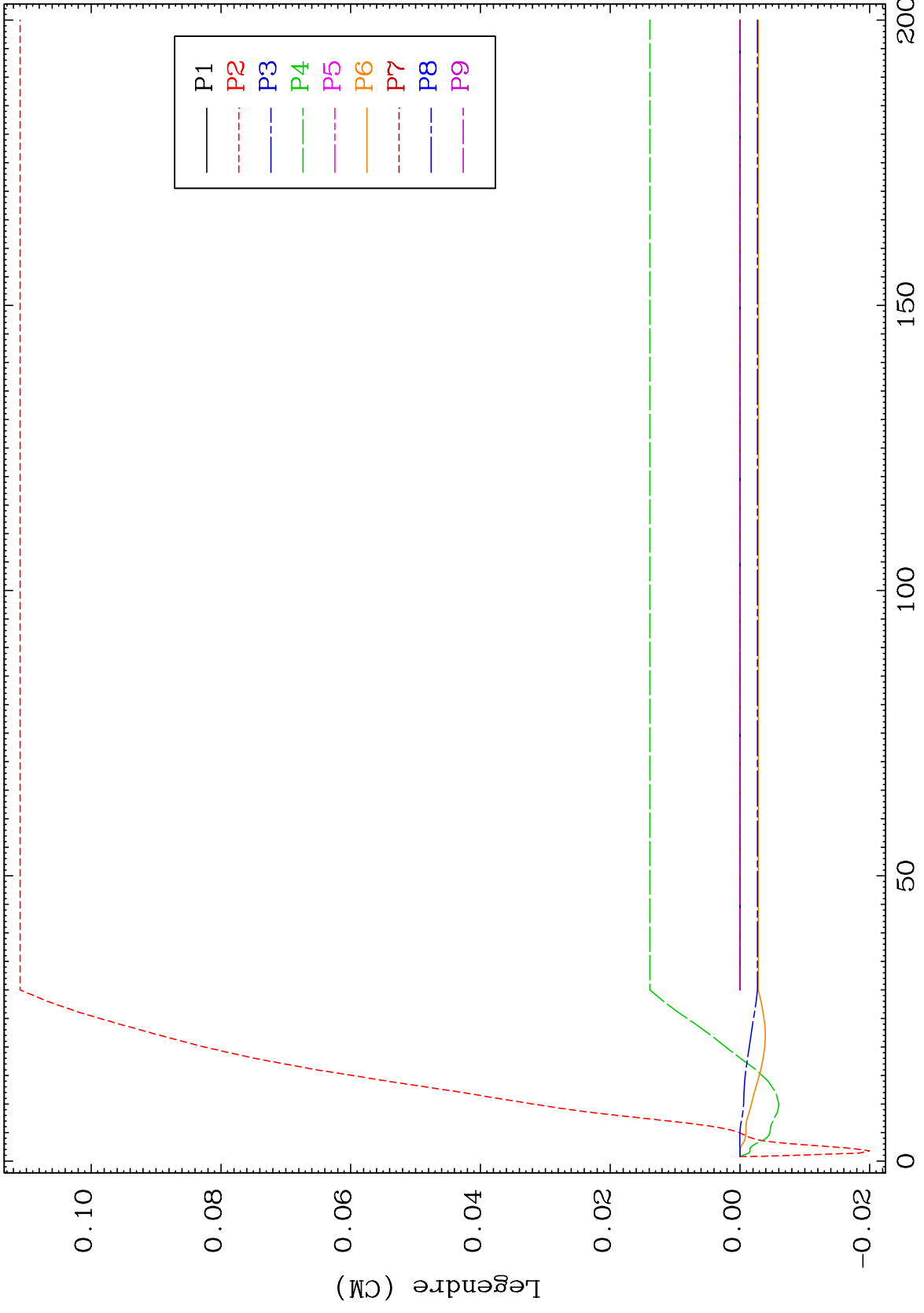


19

Incident Energy (MeV)

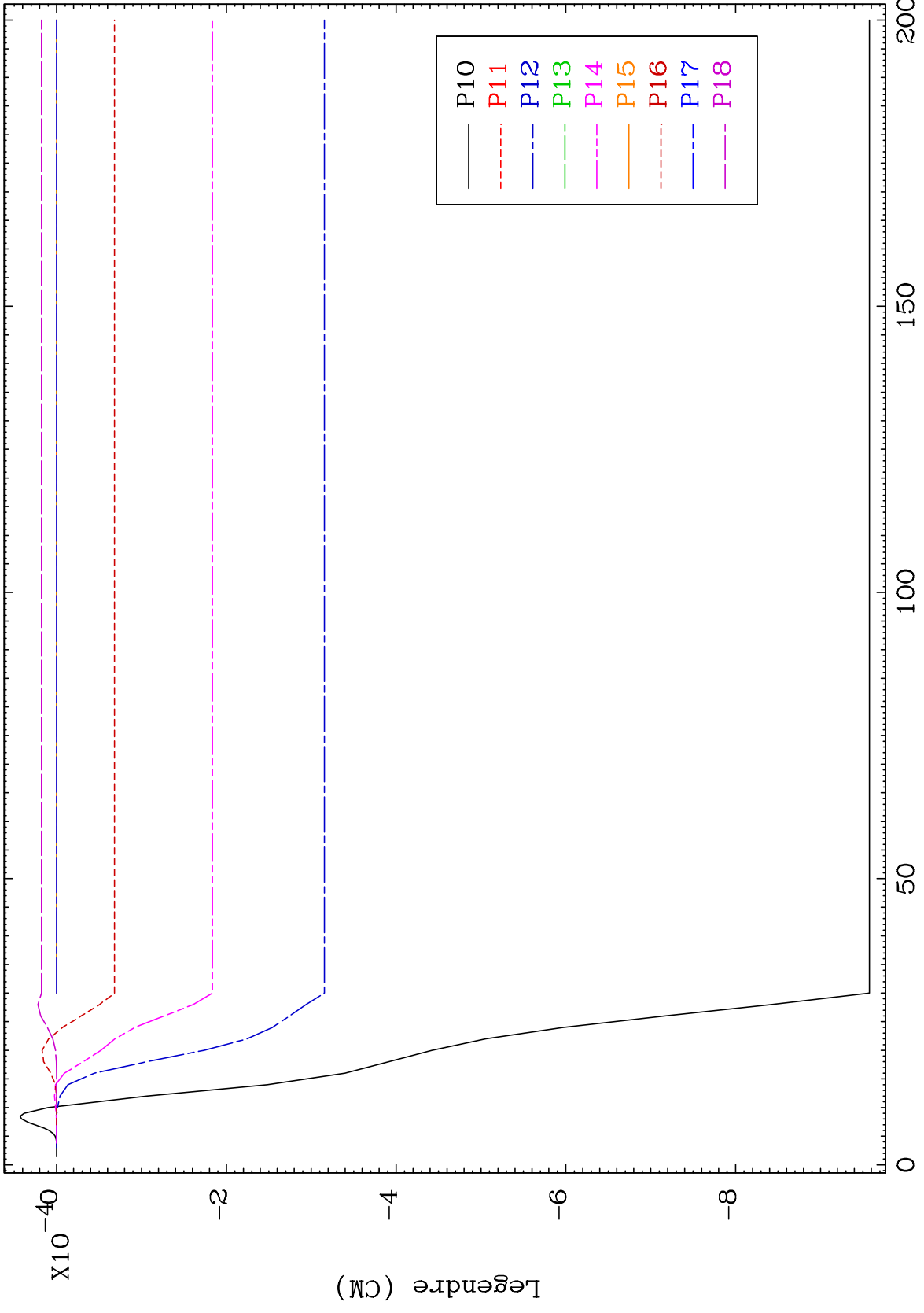
60-Nd-143

MAT 6028 MT= 51 (n,n') Level Legendre Coefficients 60-Nd-143



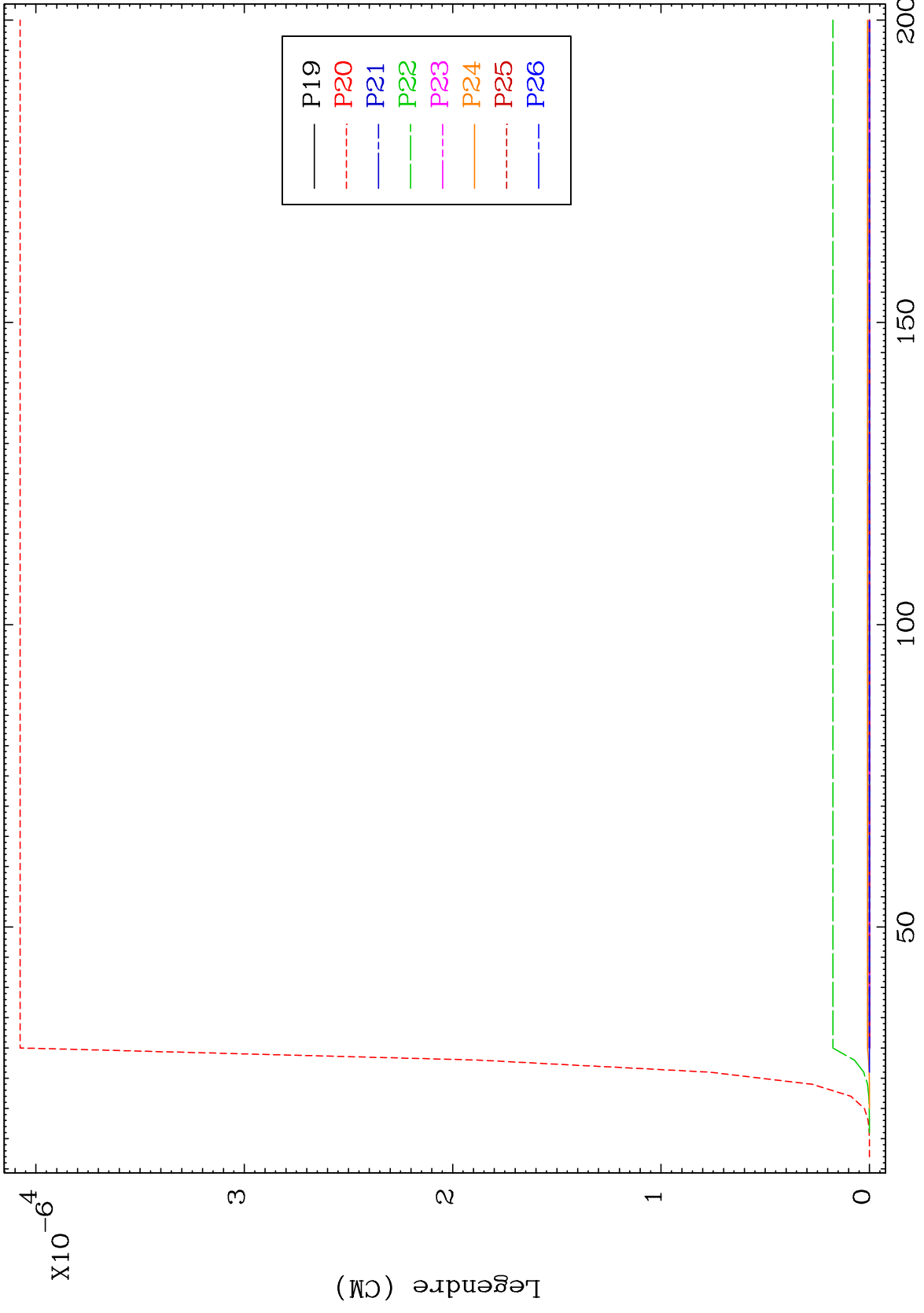
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MAT 6028 MT= 51 (n,n') Level Legendre Coefficients 60-Nd-143



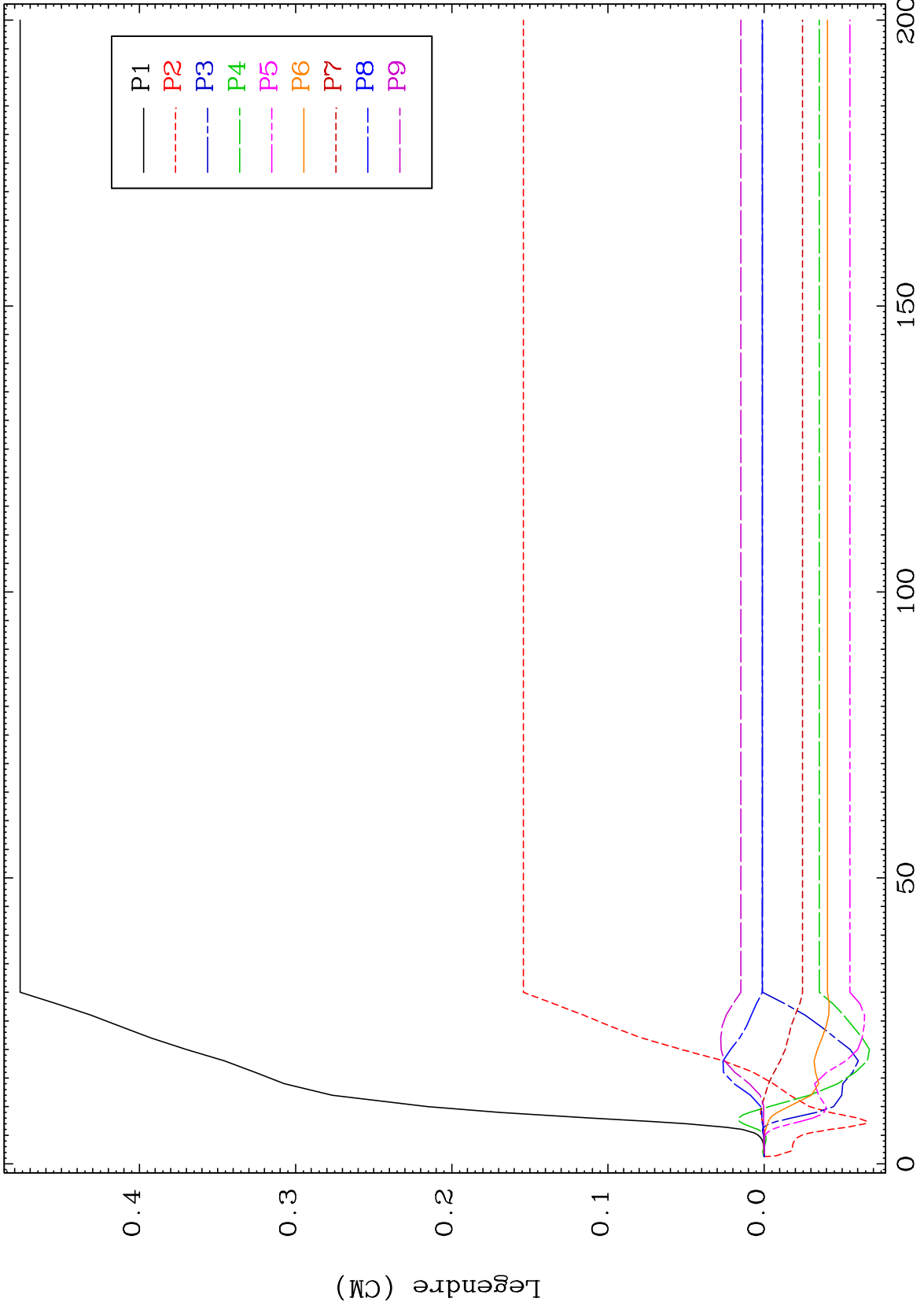
21 60-Nd-143

MAT 6028 MT= 51 (n,n') Level Legendre Coefficients 60-Nd-143



60-Nd-143

MAT 6028 MT= 52 (n,n') Level Legendre Coefficients 60-Nd-143

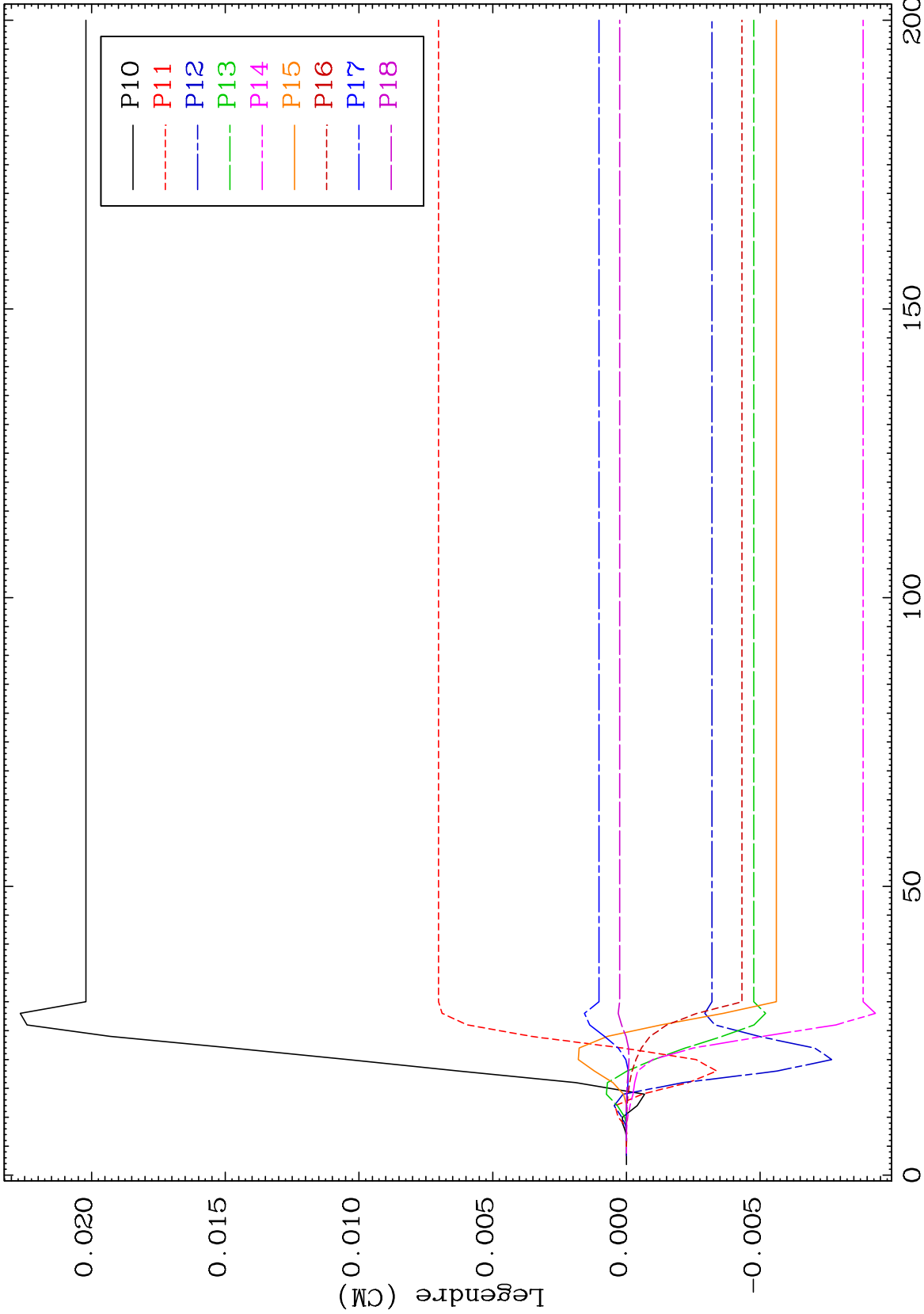


23 60-Nd-143

MAT 6028

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

60-Nd-143



24

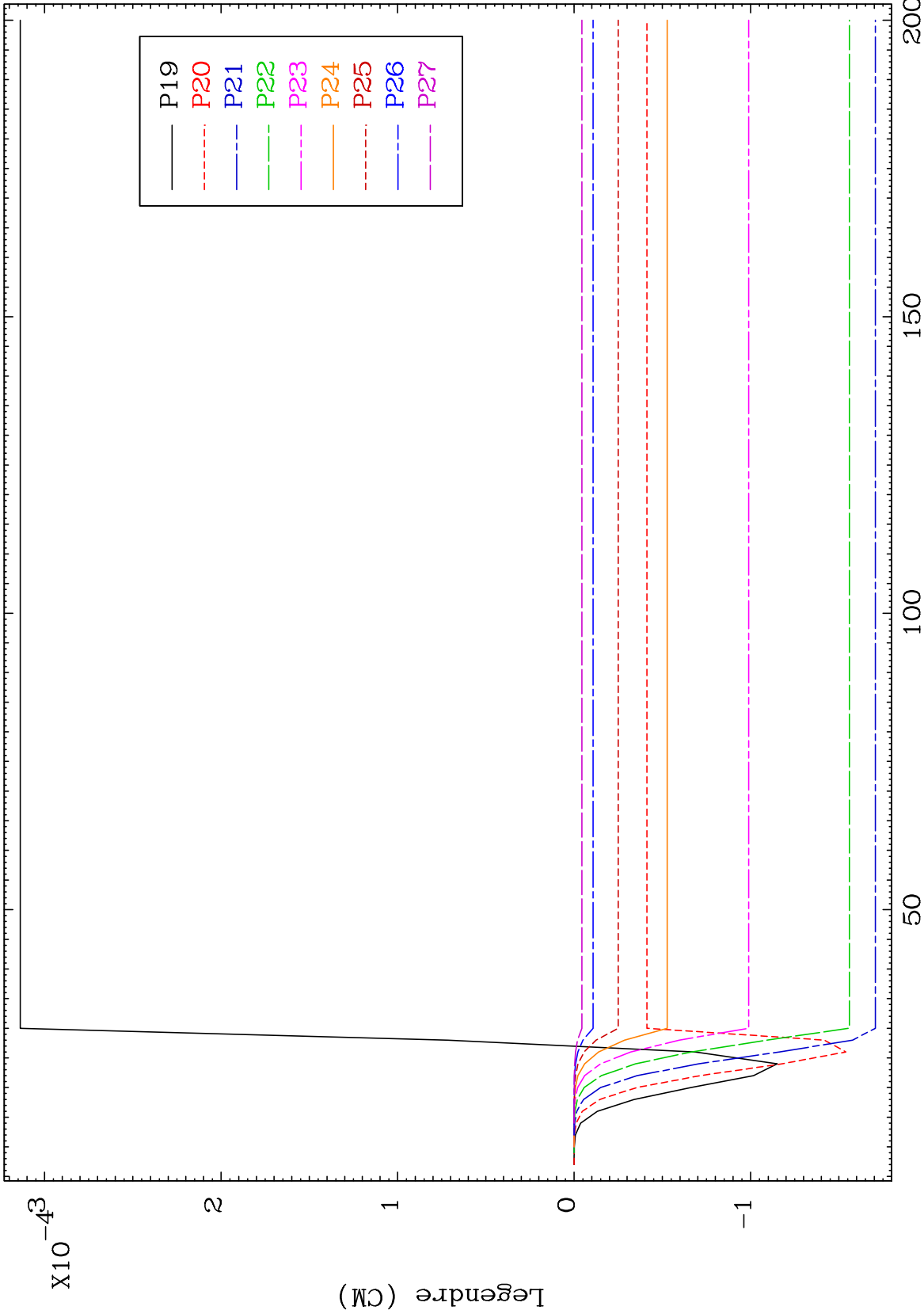
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



25

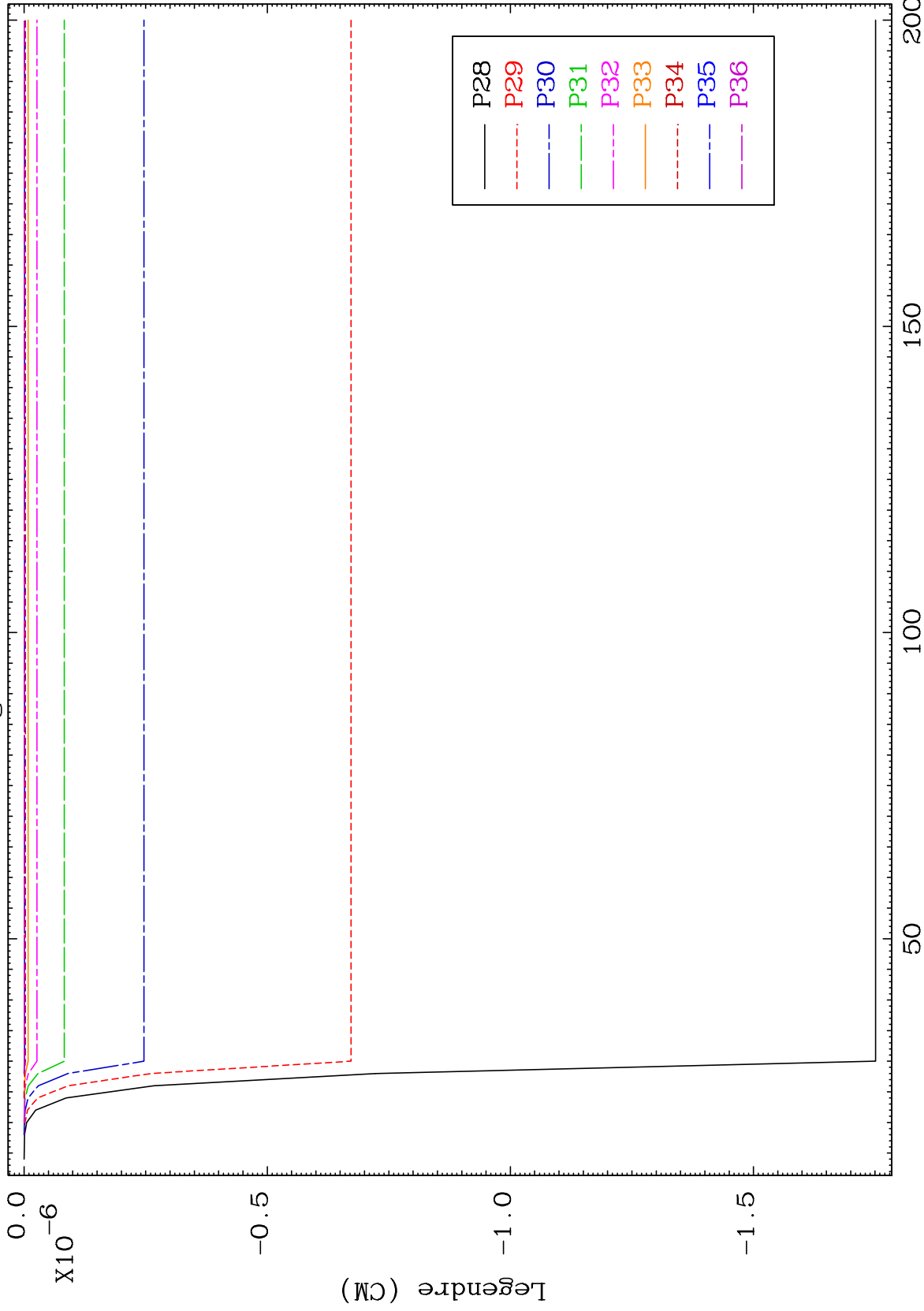
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143

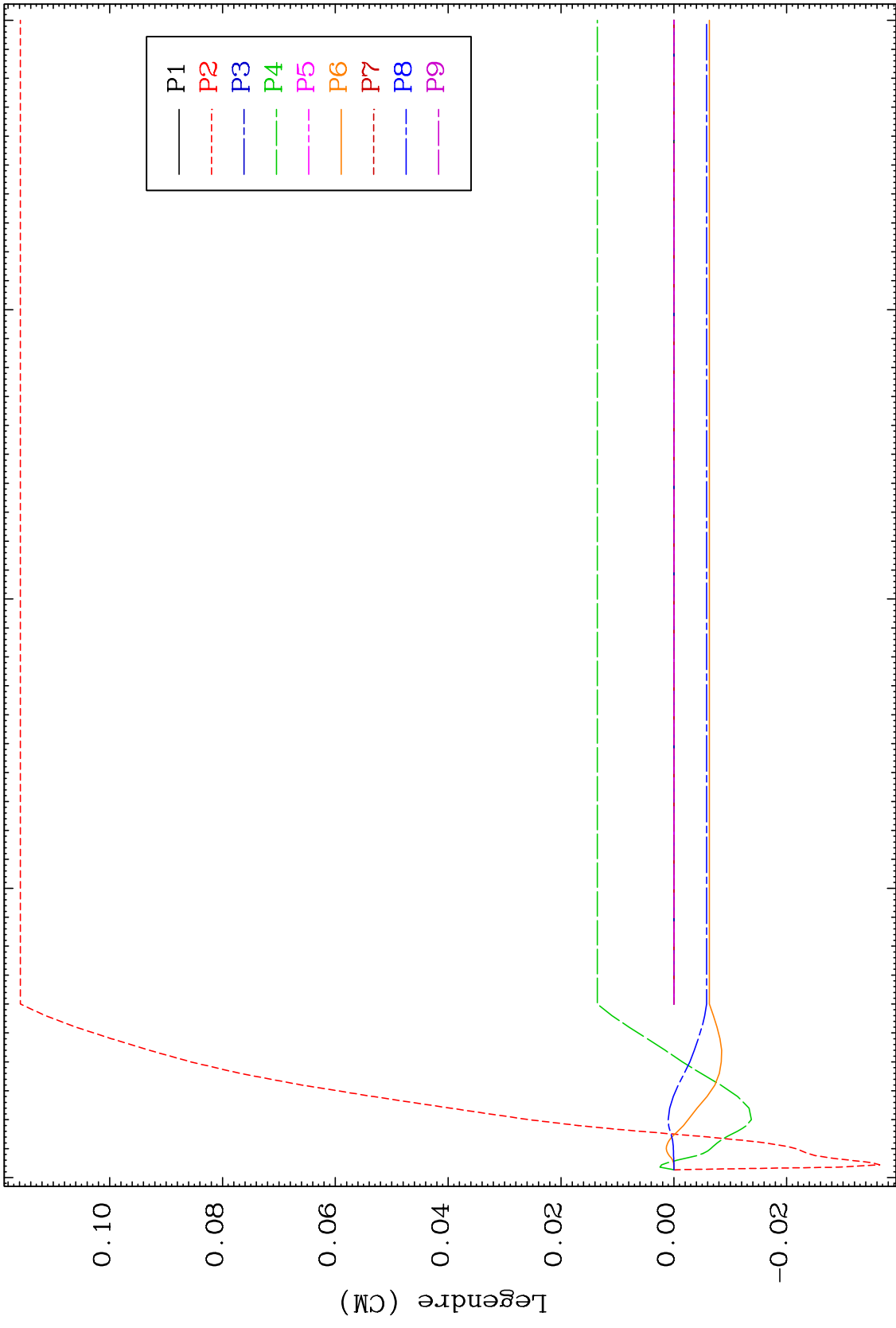


60-Nd-143

Incident Energy (MeV)

26

MAT 6028 MT= 53 (n,n') Level Legendre Coefficients 60-Nd-143

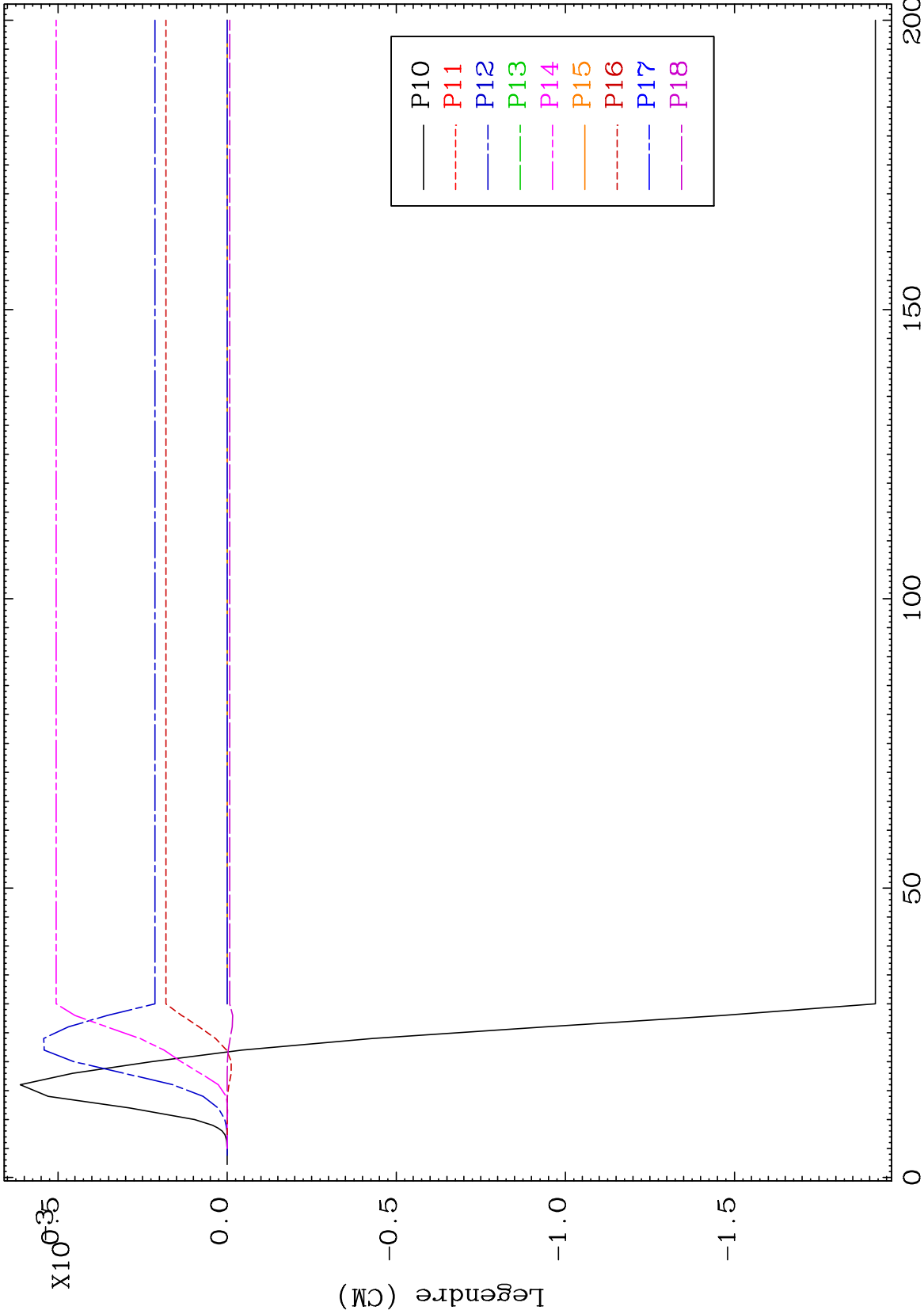


27 Incident Energy (MeV) 60-Nd-143

MAT 6028

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

60-Nd-143

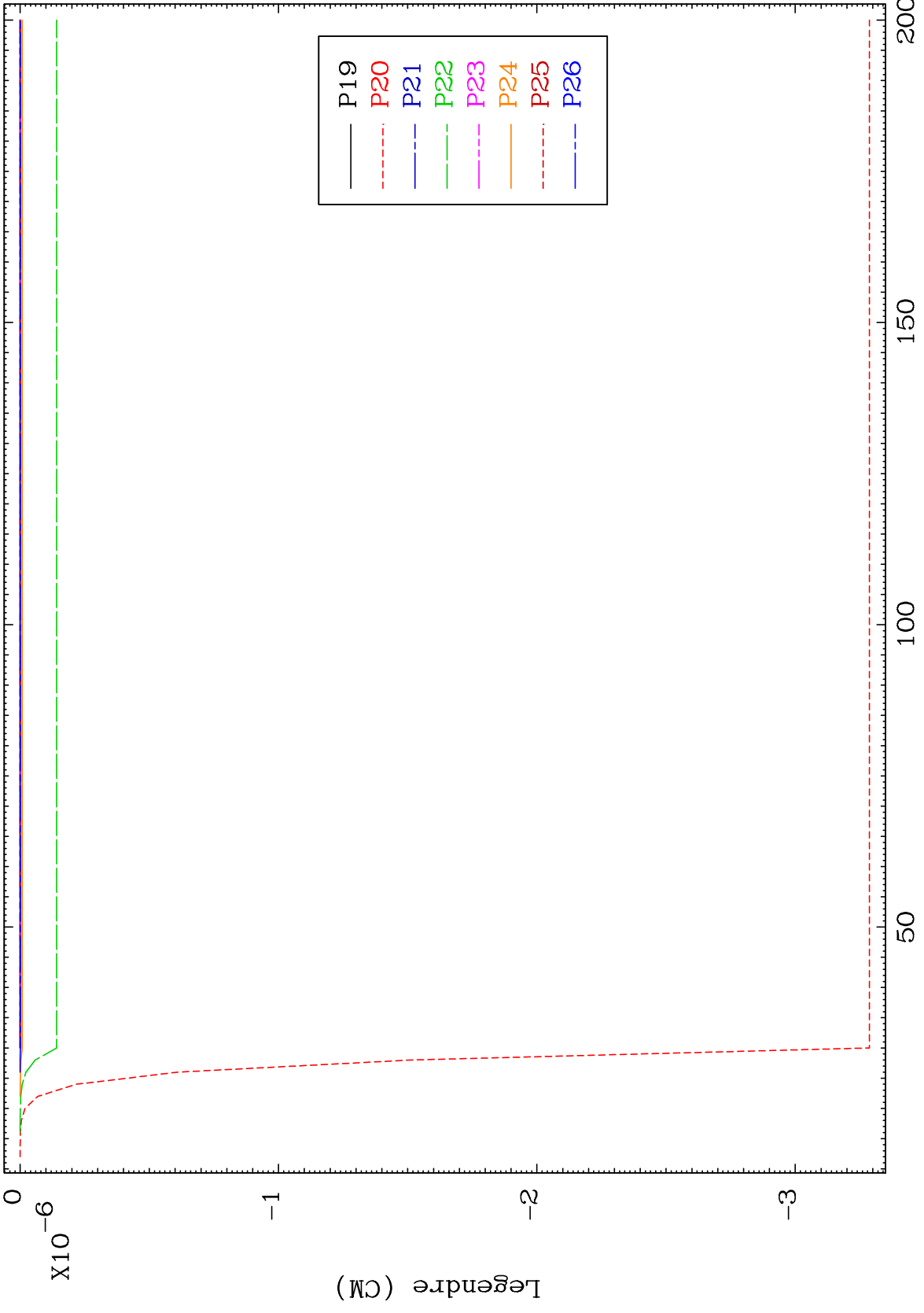


28

Incident Energy (MeV)

60-Nd-143

MAT 6028 MT= 53 (n,n') Level Legendre Coefficients 60-Nd-143

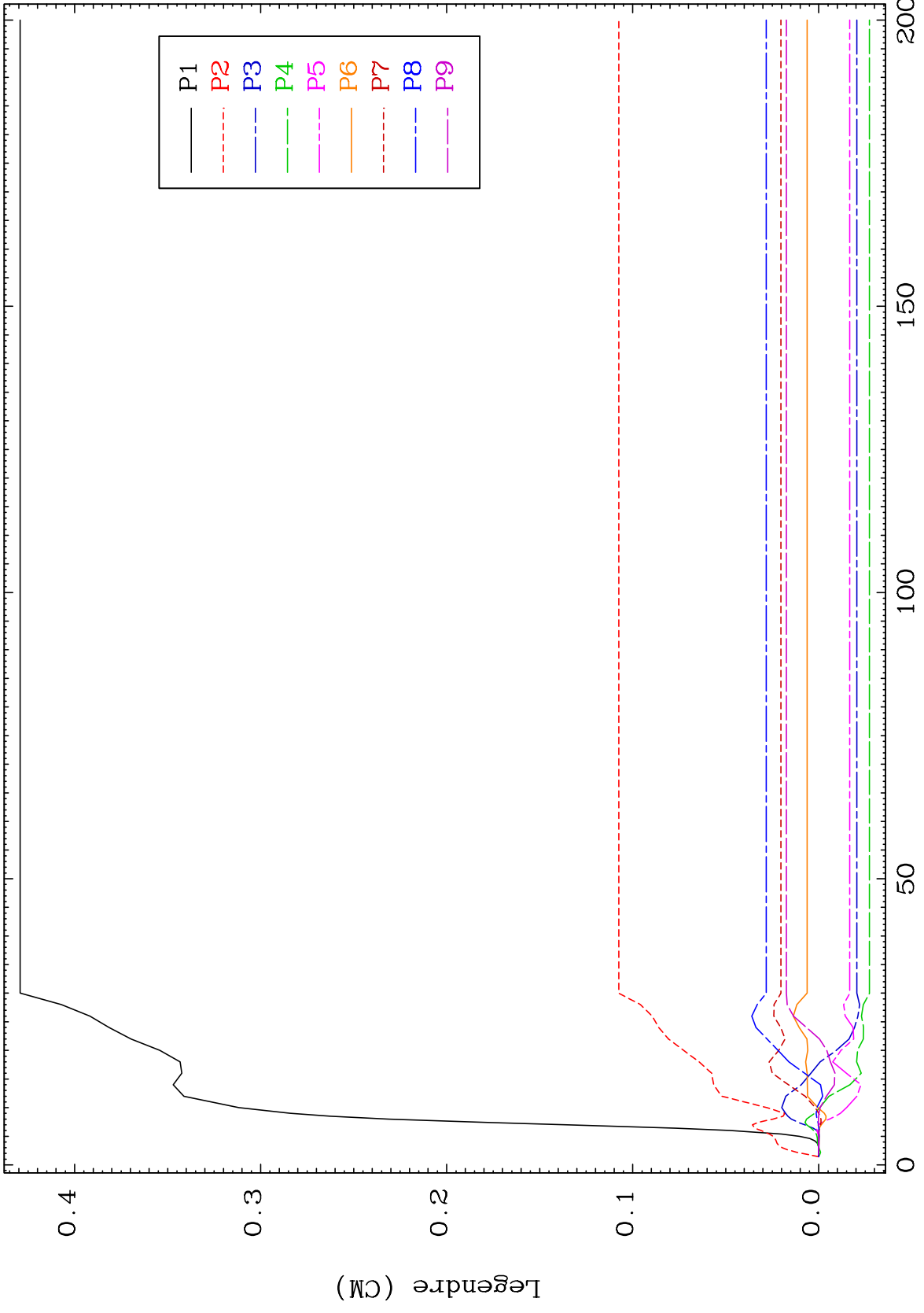


29 50 100 150 200 60-Nd-143

MAT 6028

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

60-Nd-143



60-Nd-143

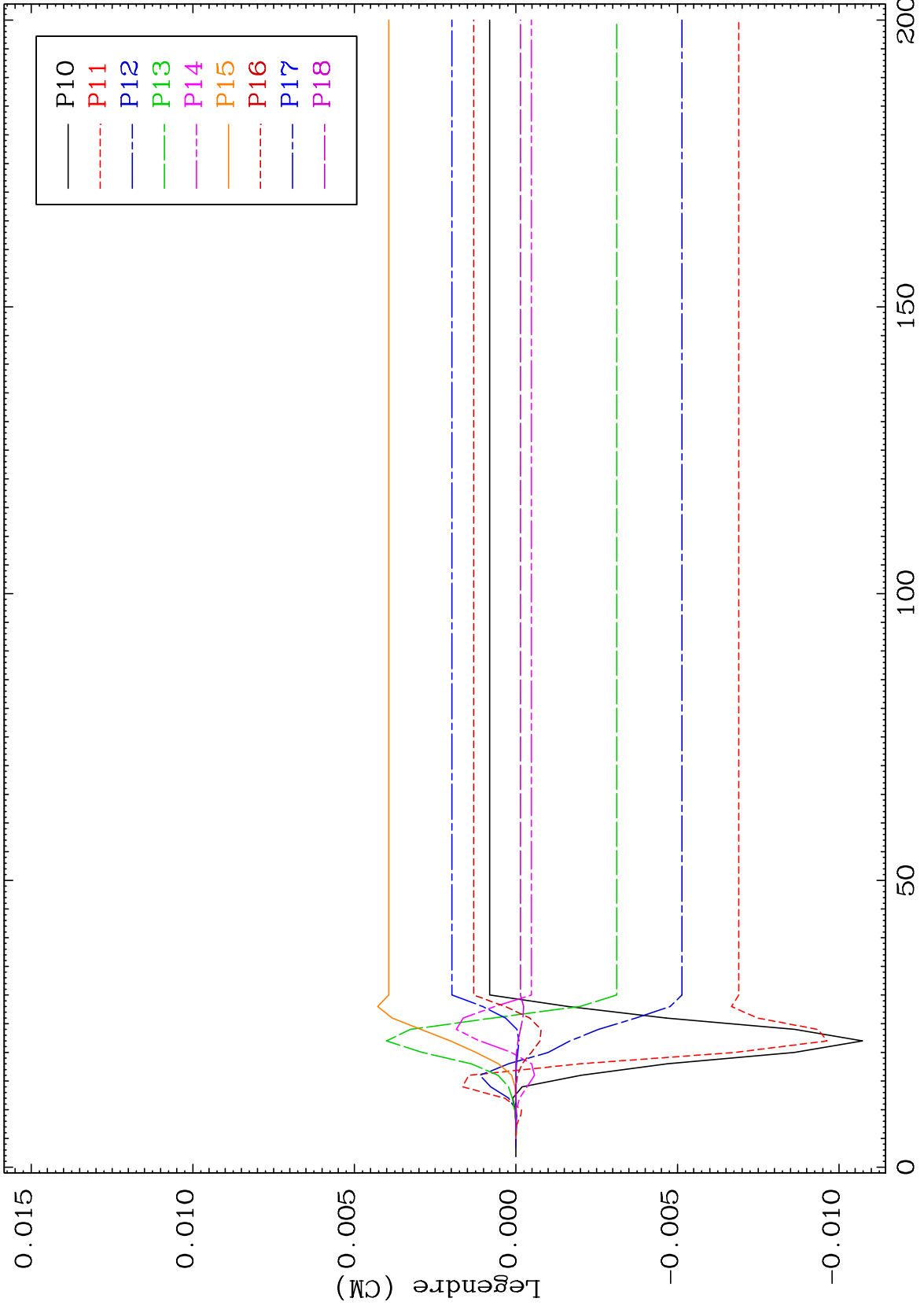
Incident Energy (MeV)

30

MAT 6028

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

60-Nd-143



31

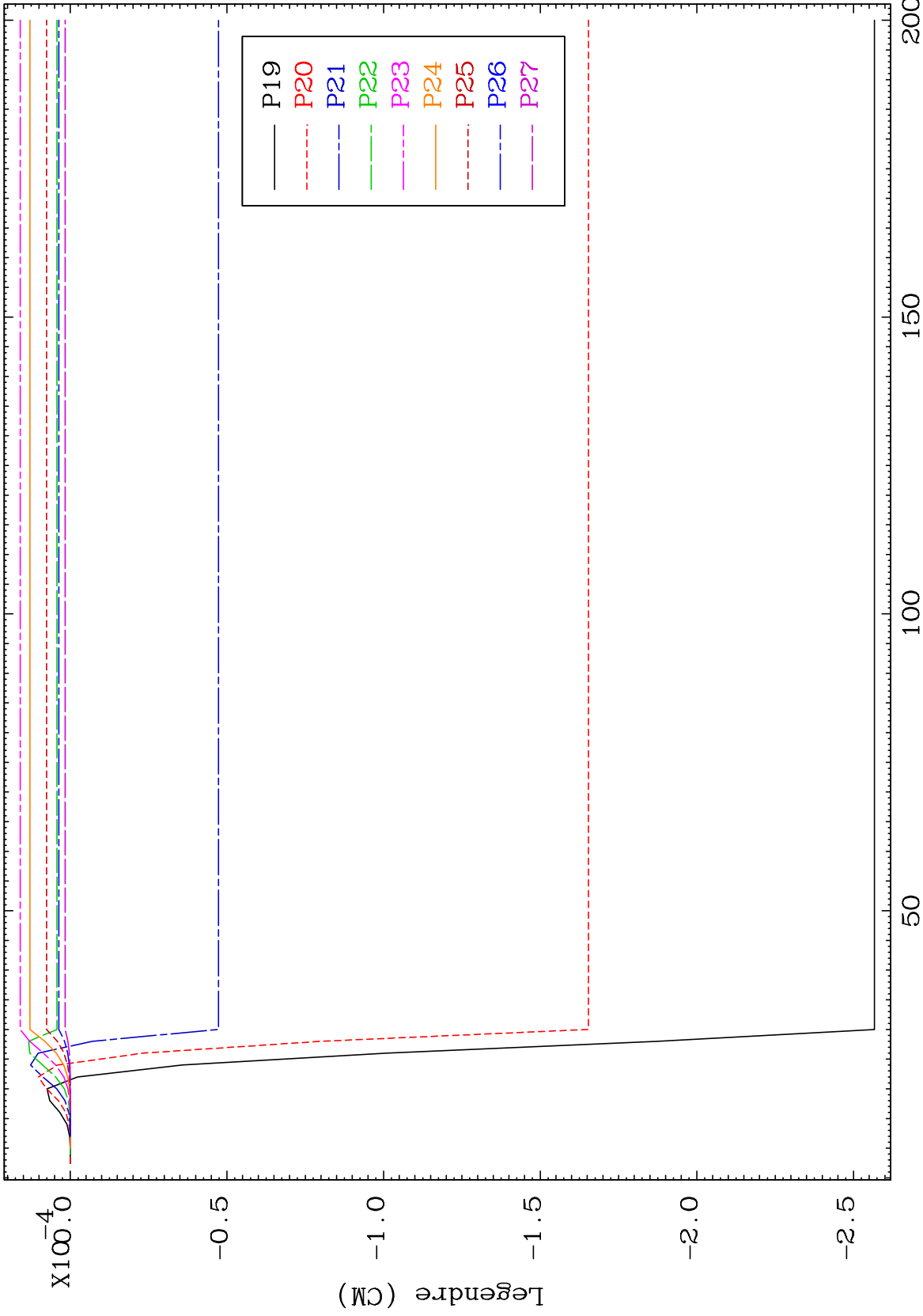
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



60-Nd-143

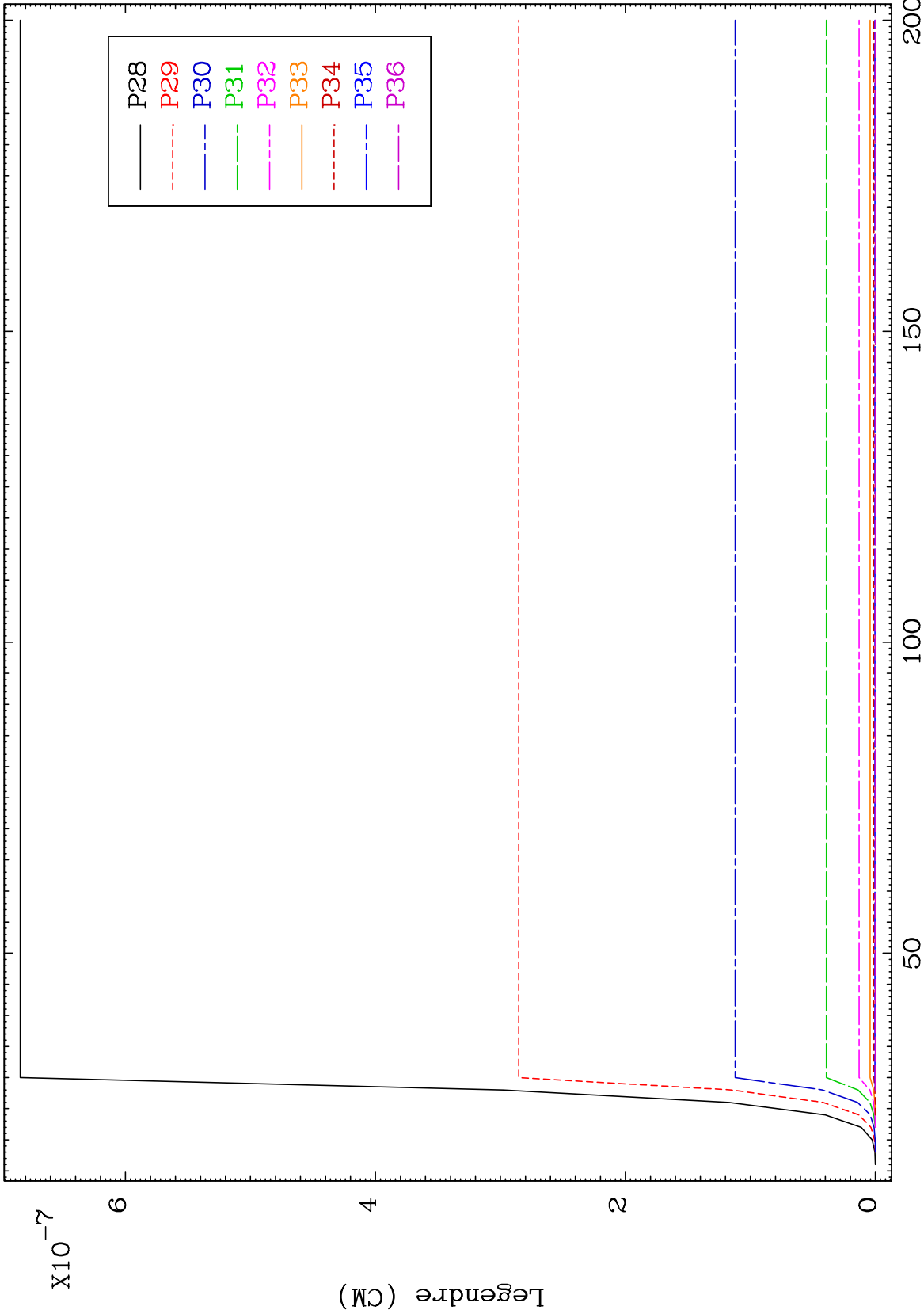
Incident Energy (MeV)

32

MAT 6028

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

60-Nd-143

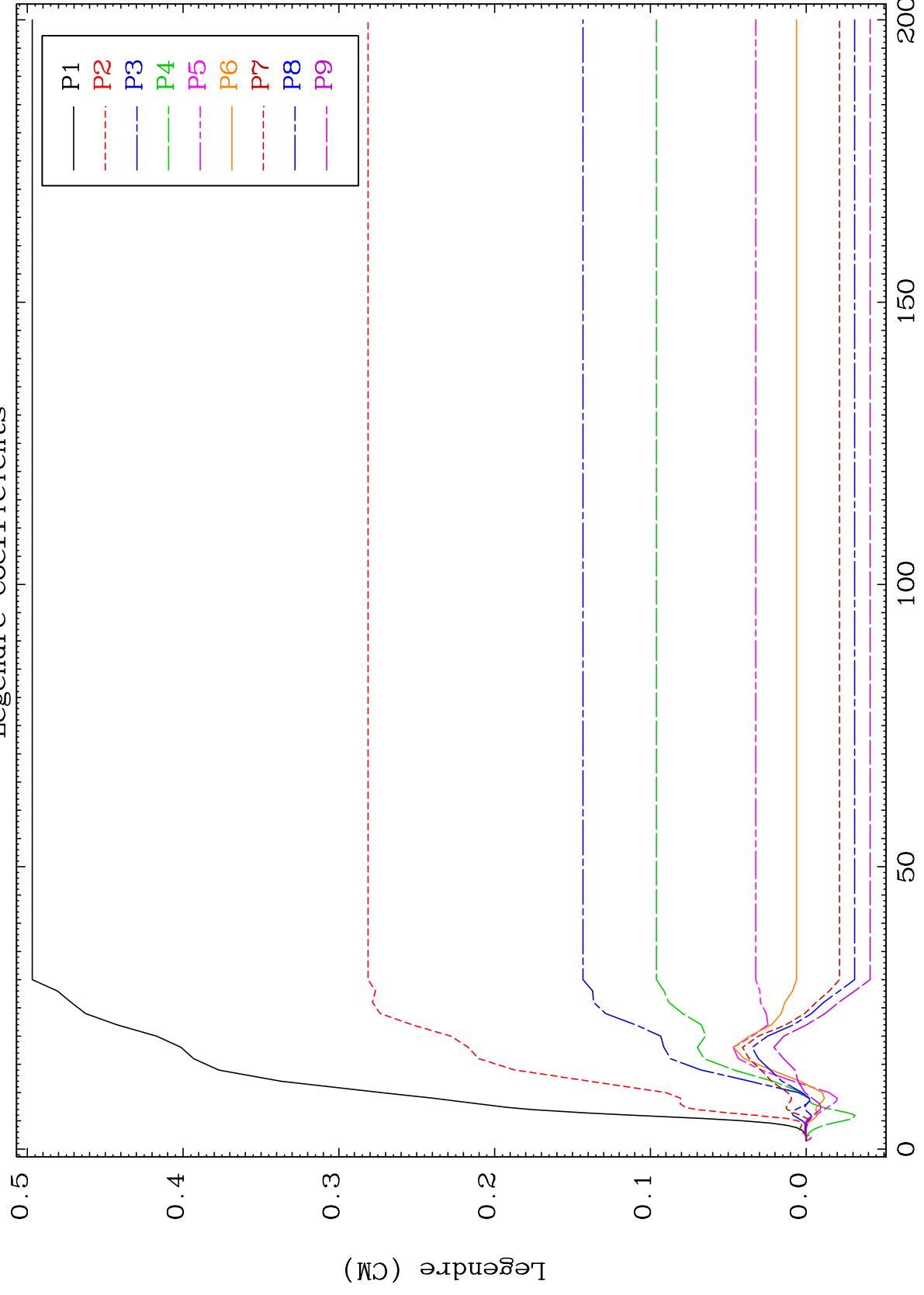


33

Incident Energy (MeV)

60-Nd-143

MAT 6028 MT= 55 (n,n') Level Legendre Coefficients 60-Nd-143

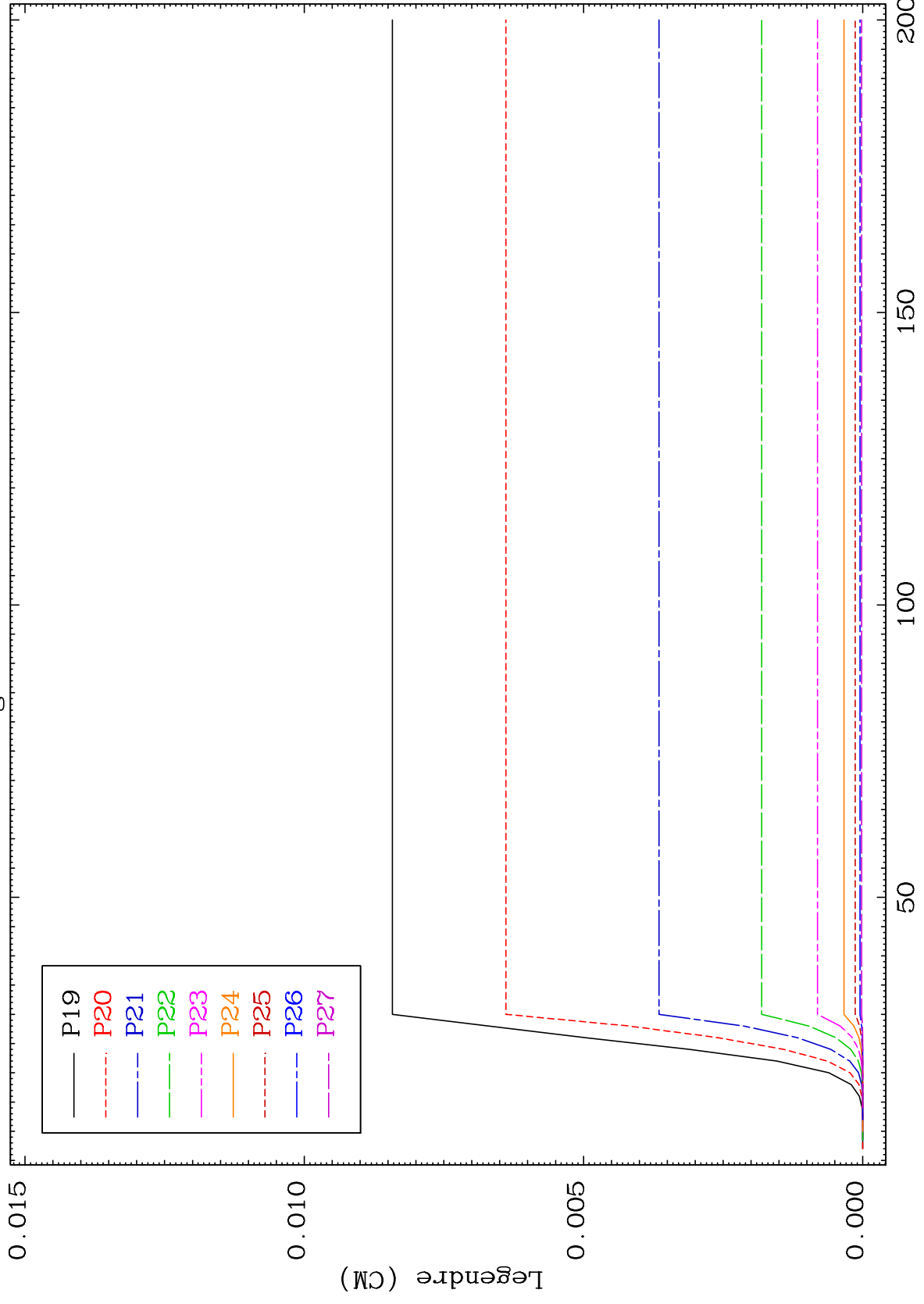


34 60-Nd-143

MAT 6028

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

60-Nd-143



36

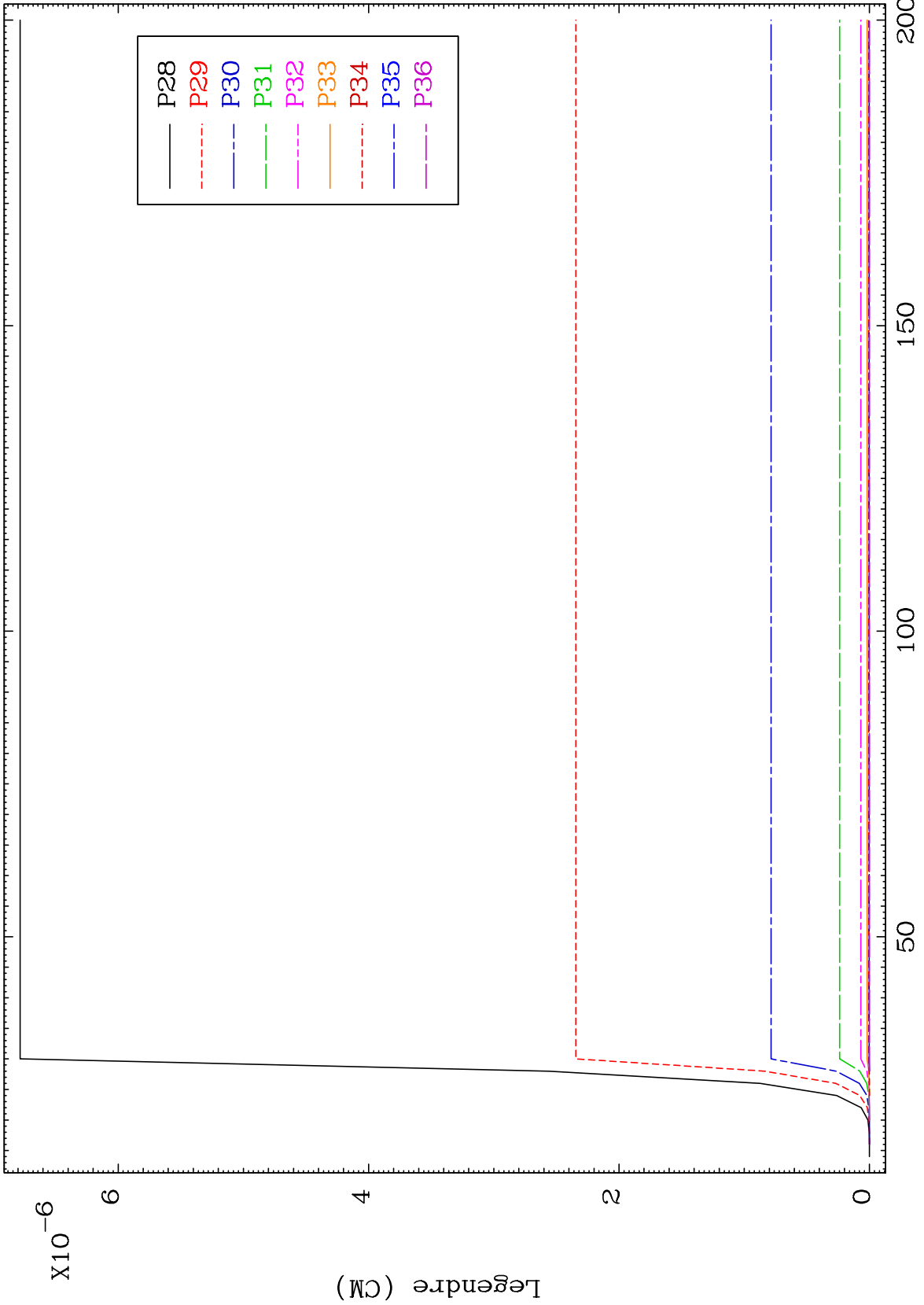
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

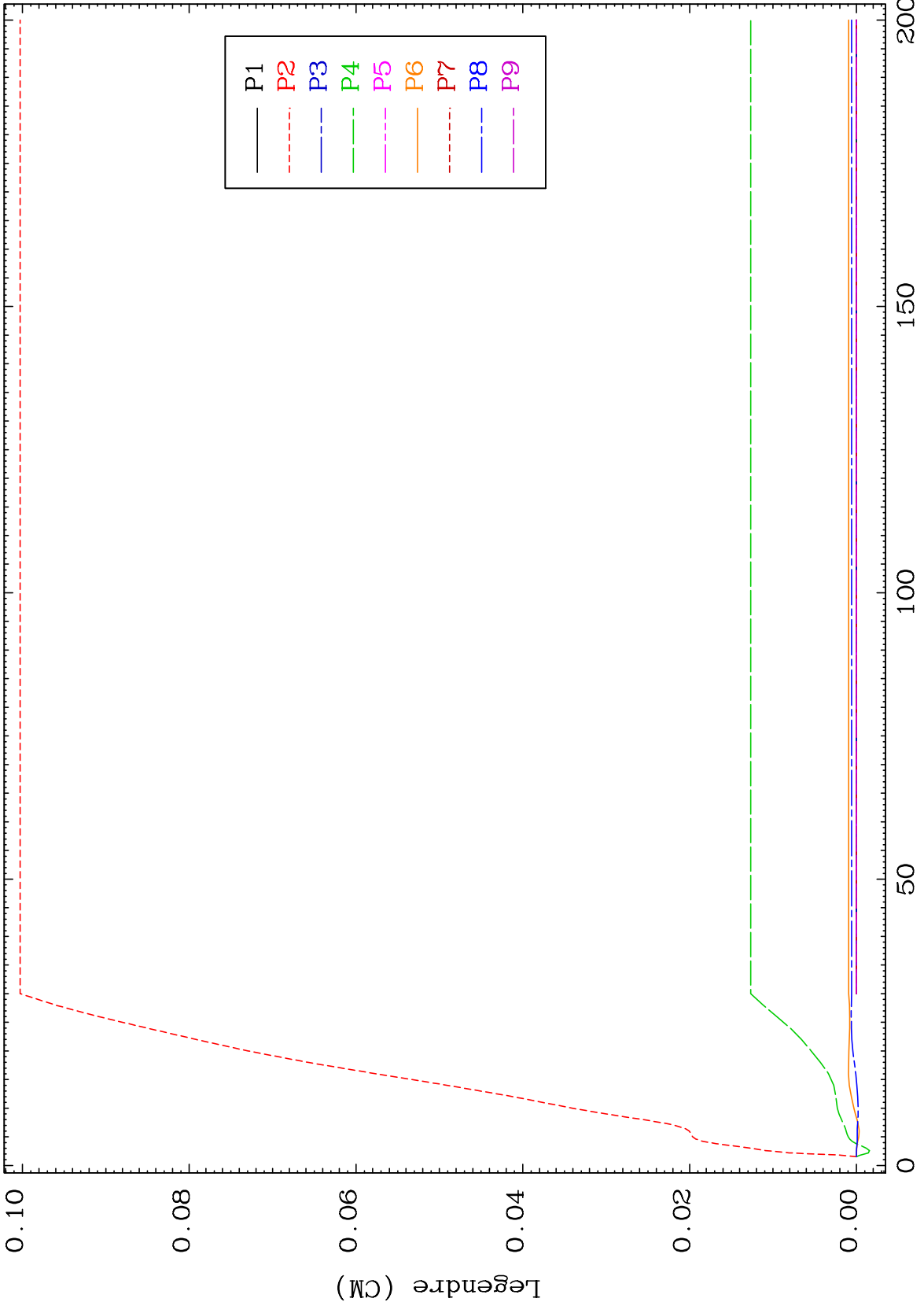
60-Nd-143



37

60-Nd-143

MAT 6028 MT= 56 (n,n') Level Legendre Coefficients 60-Nd-143

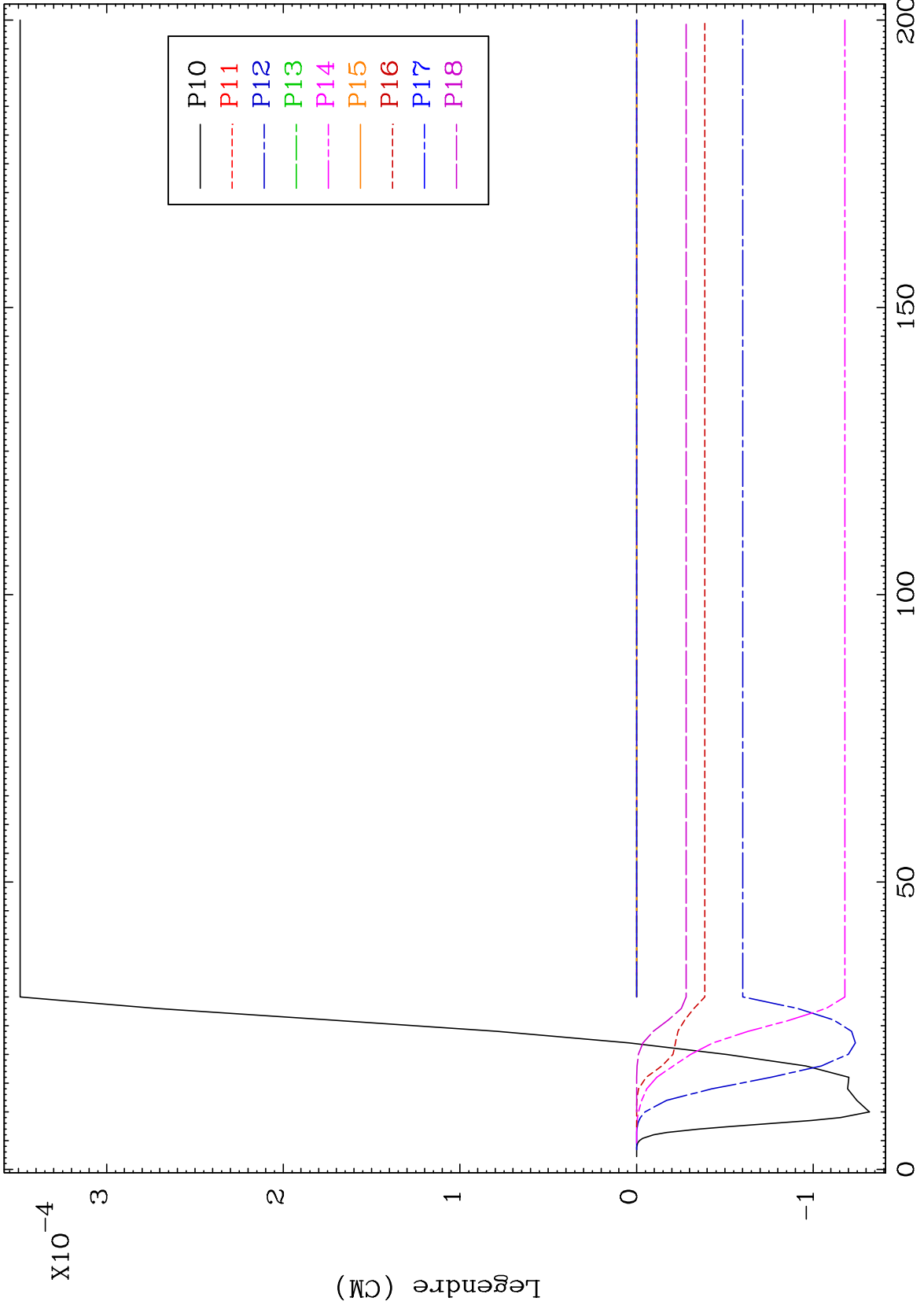


38 Incident Energy (MeV) 60-Nd-143

MAT 6028

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

60-Nd-143

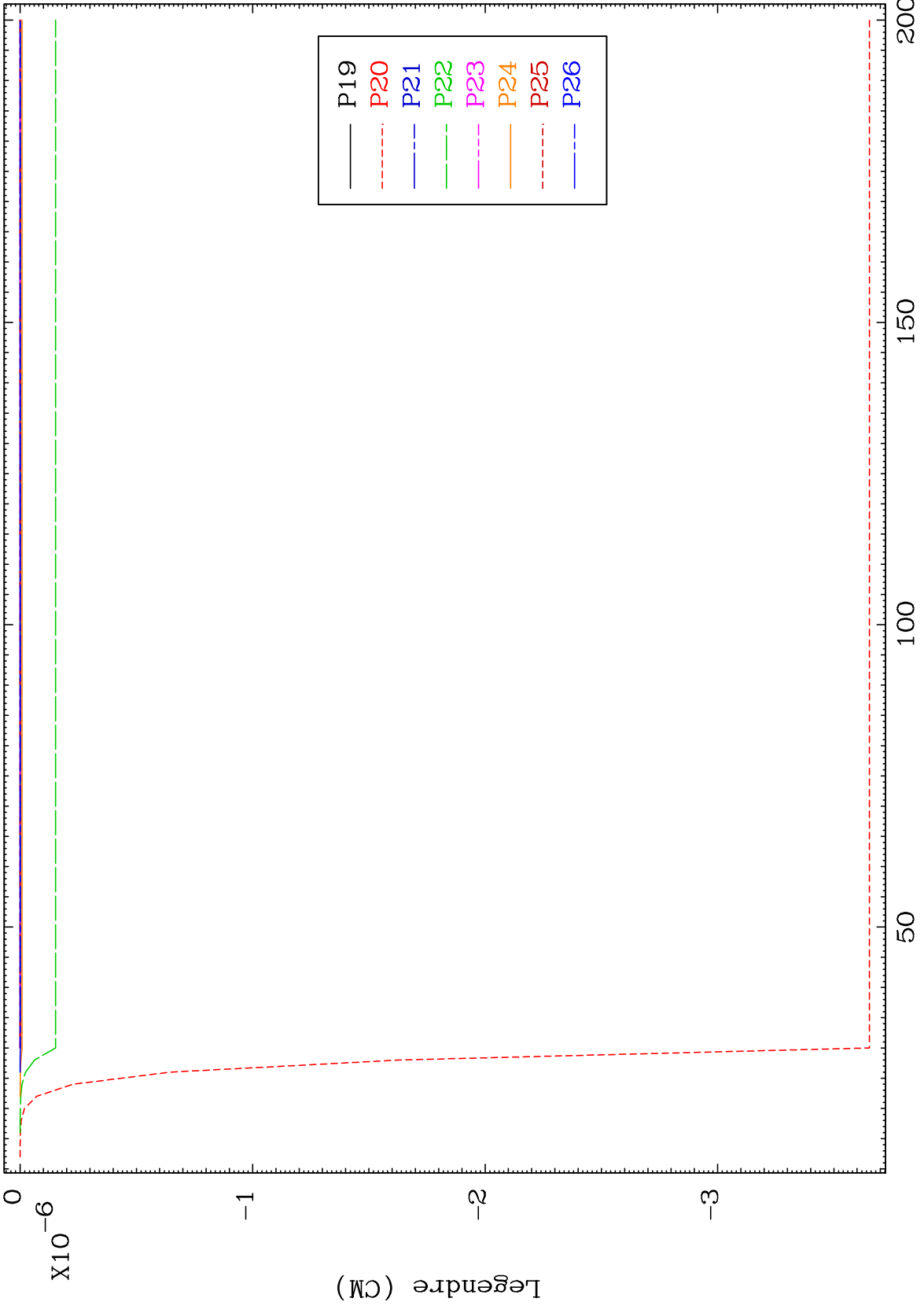


39

Incident Energy (MeV)

60-Nd-143

MAT 6028 MT= 56 (n,n') Level Legendre Coefficients 60-Nd-143

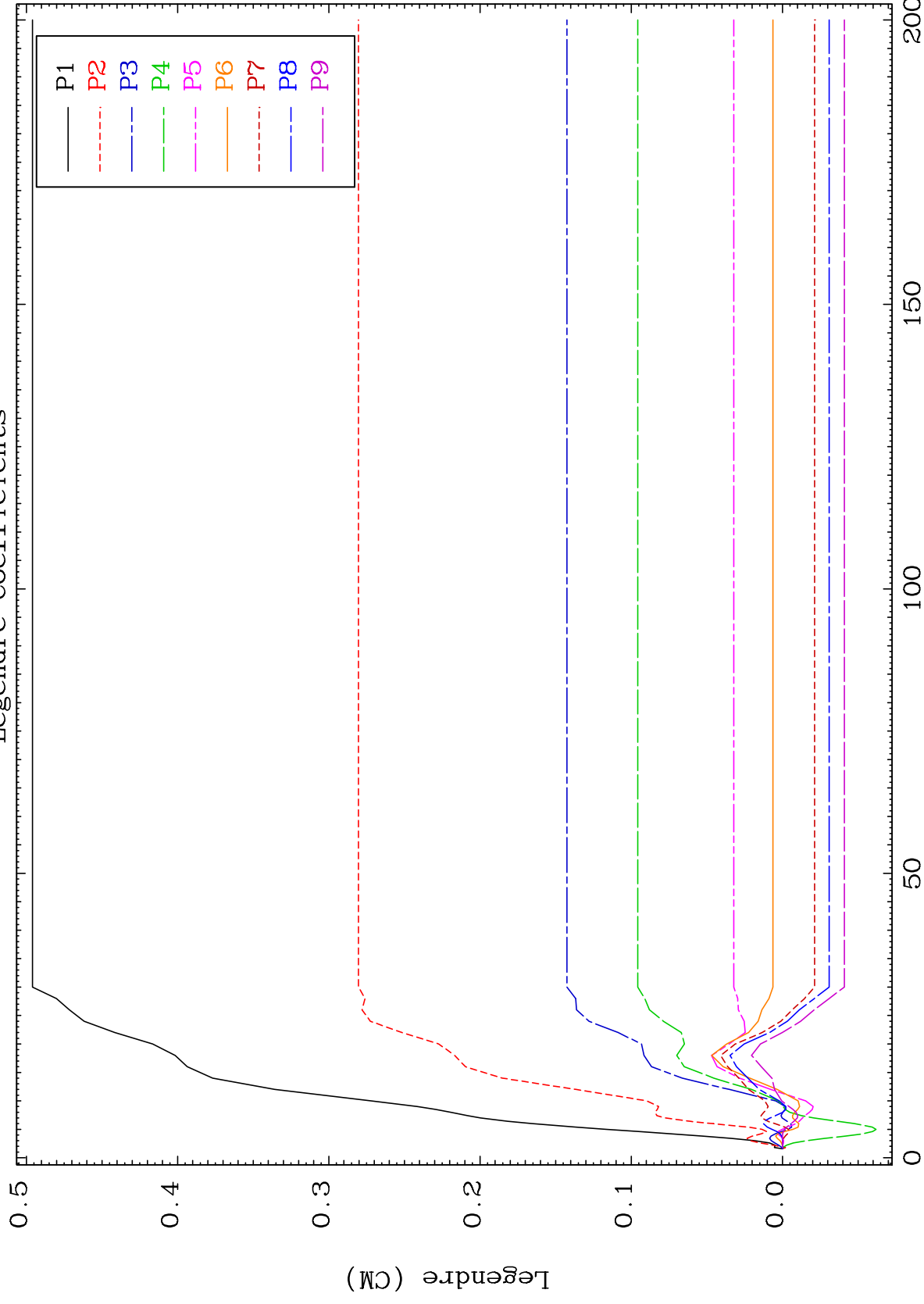


Legendre (CM) X10⁻⁶ Incident Energy (MeV) 60-Nd-143

MAT 6028

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

60-Nd-143

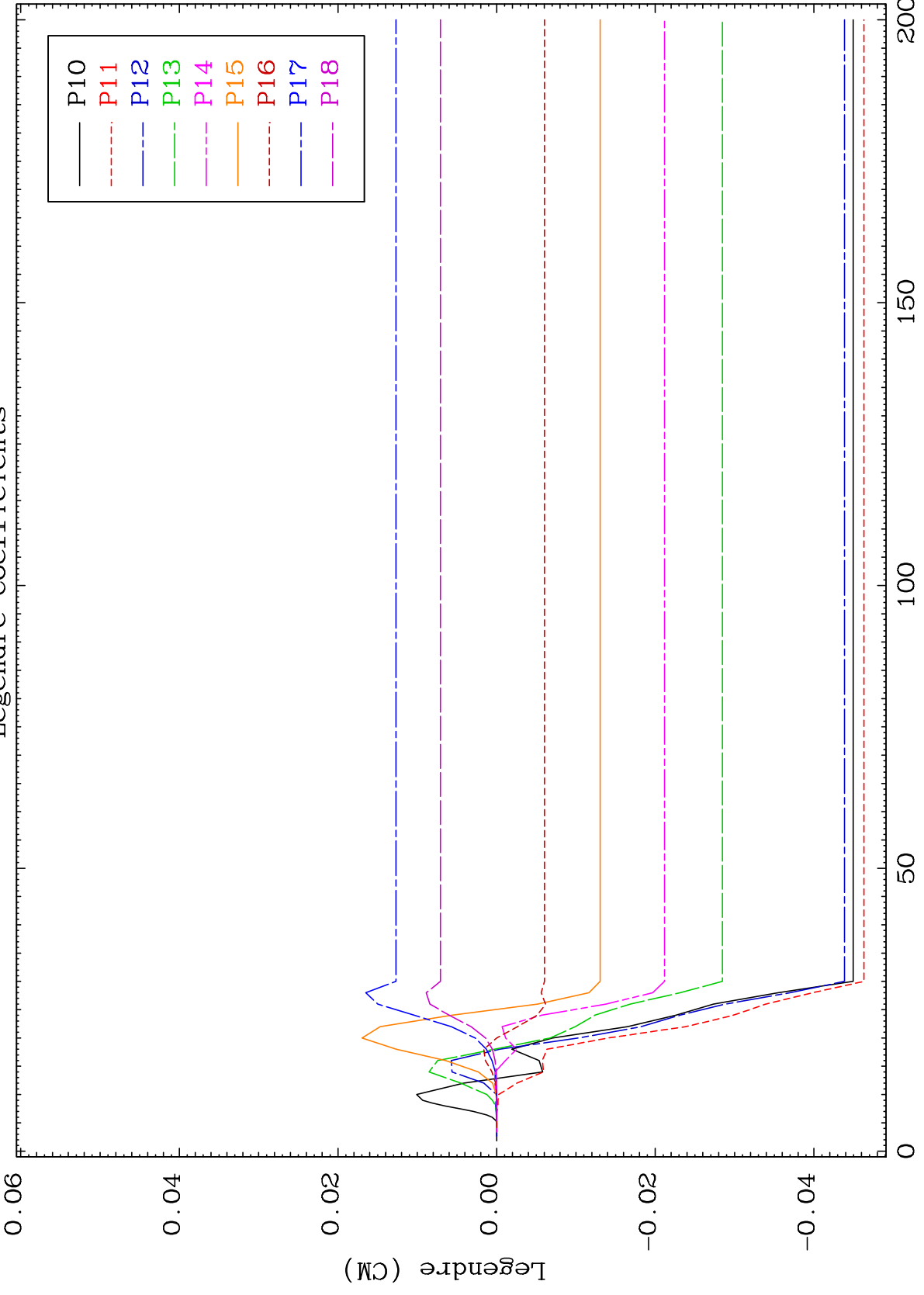


60-Nd-143

Incident Energy (MeV)

41

MAT 6028 MT= 57 (n,n') Level Legendre Coefficients 60-Nd-143

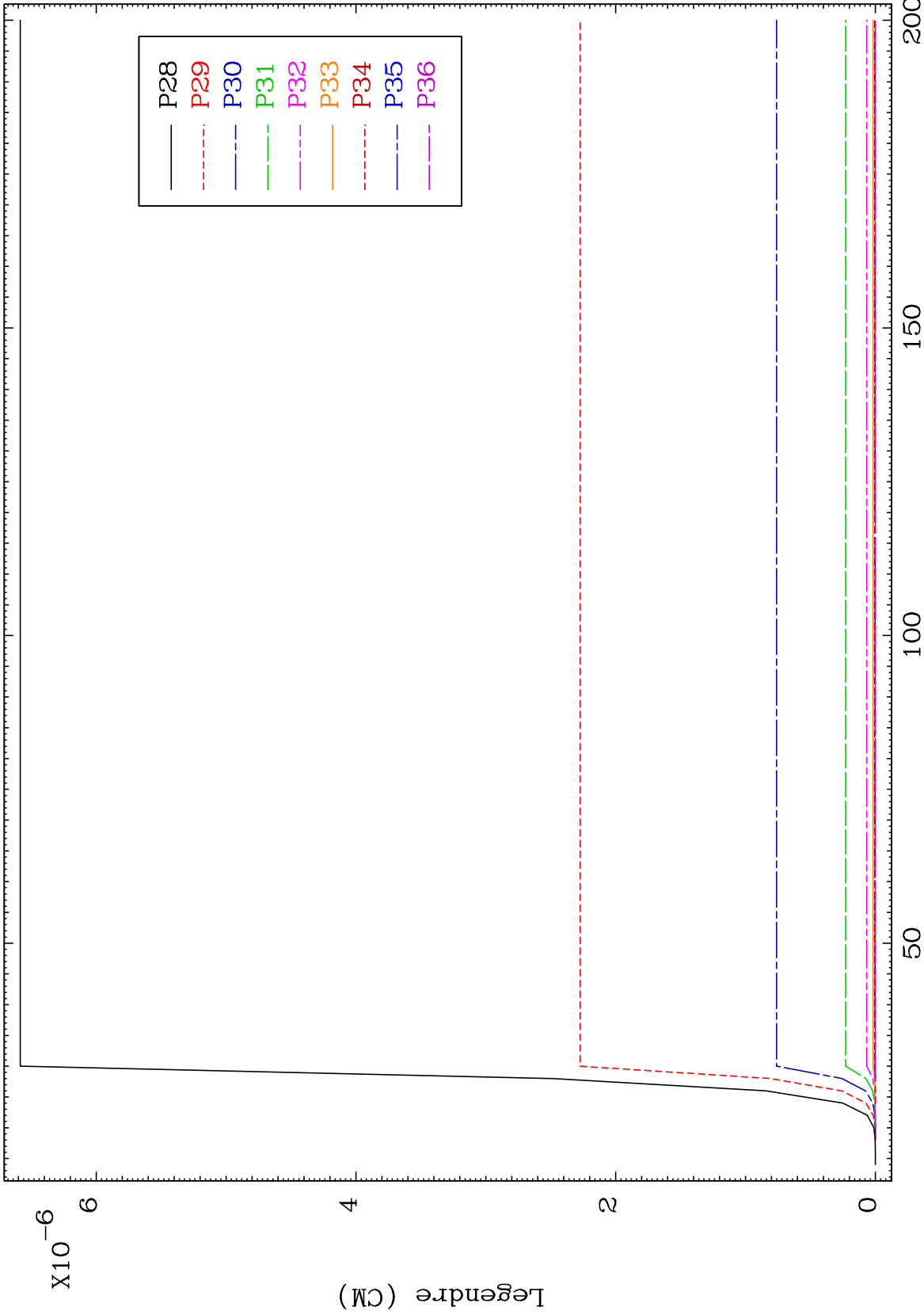


42 60-Nd-143

MAT 6028

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

60-Nd-143

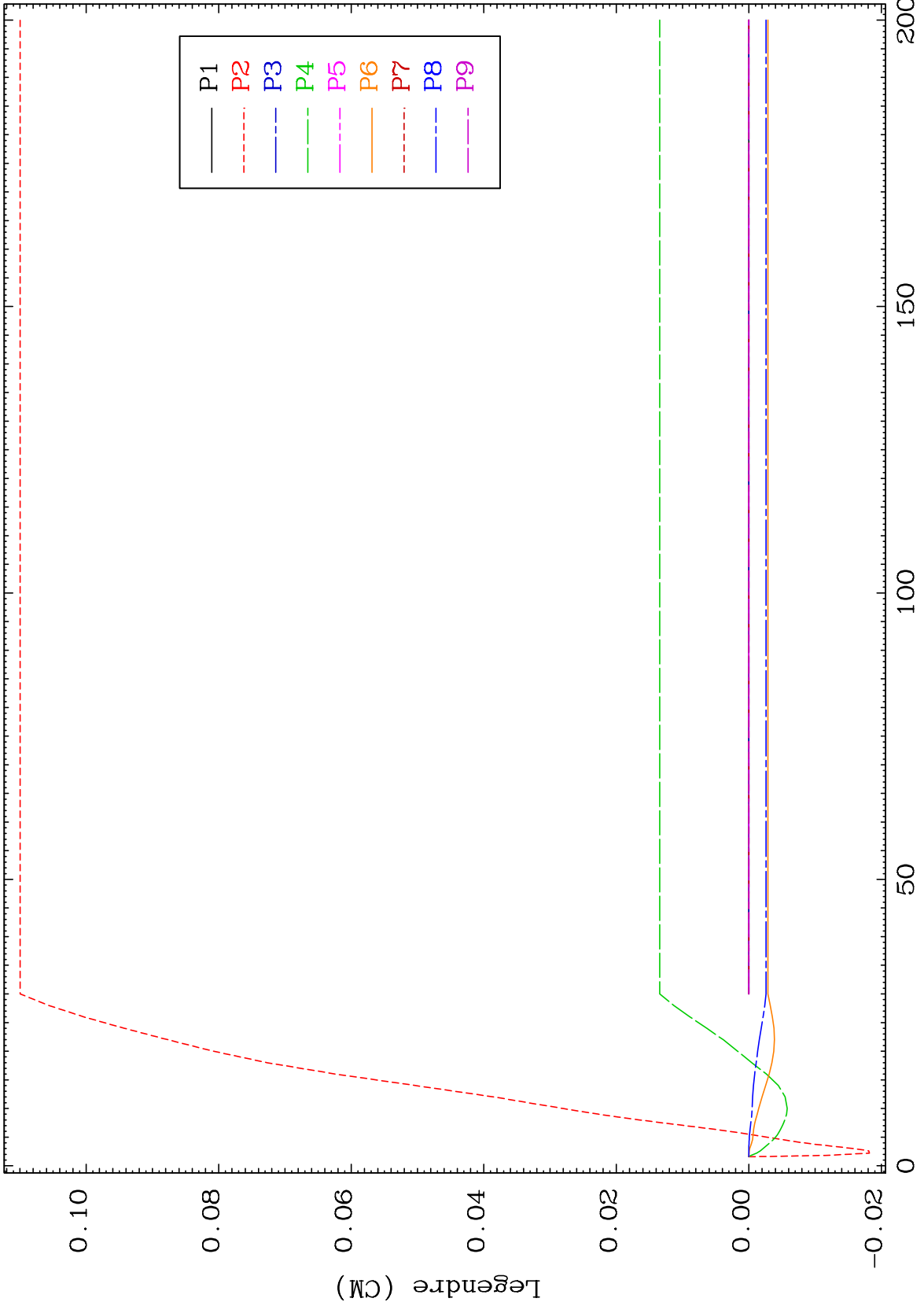


44

Incident Energy (MeV)

60-Nd-143

MAT 6028 MT= 58 (n,n') Level Legendre Coefficients 60-Nd-143

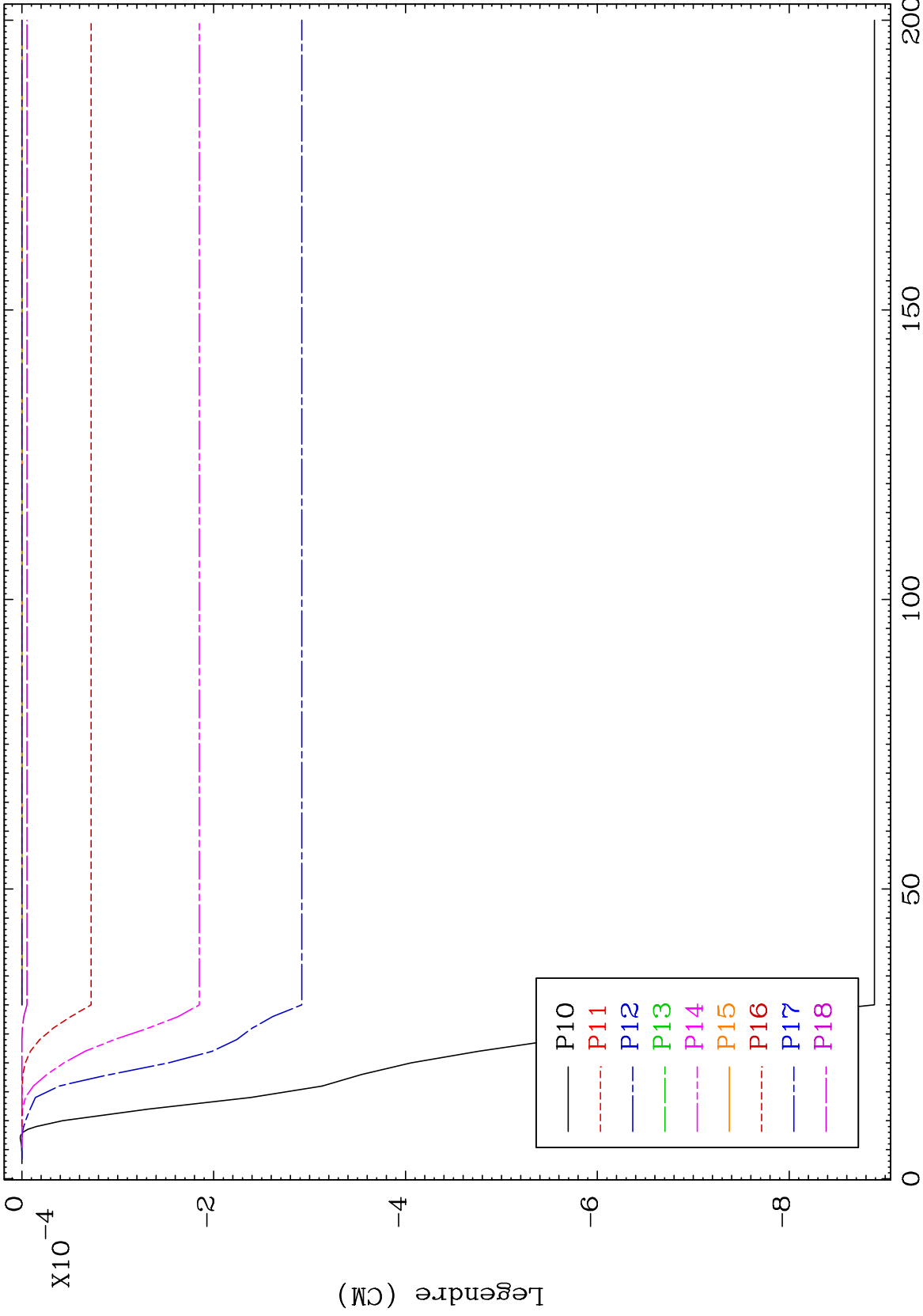


60-Nd-143 Incident Energy (MeV) 60-Nd-143

MAT 6028

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

60-Nd-143

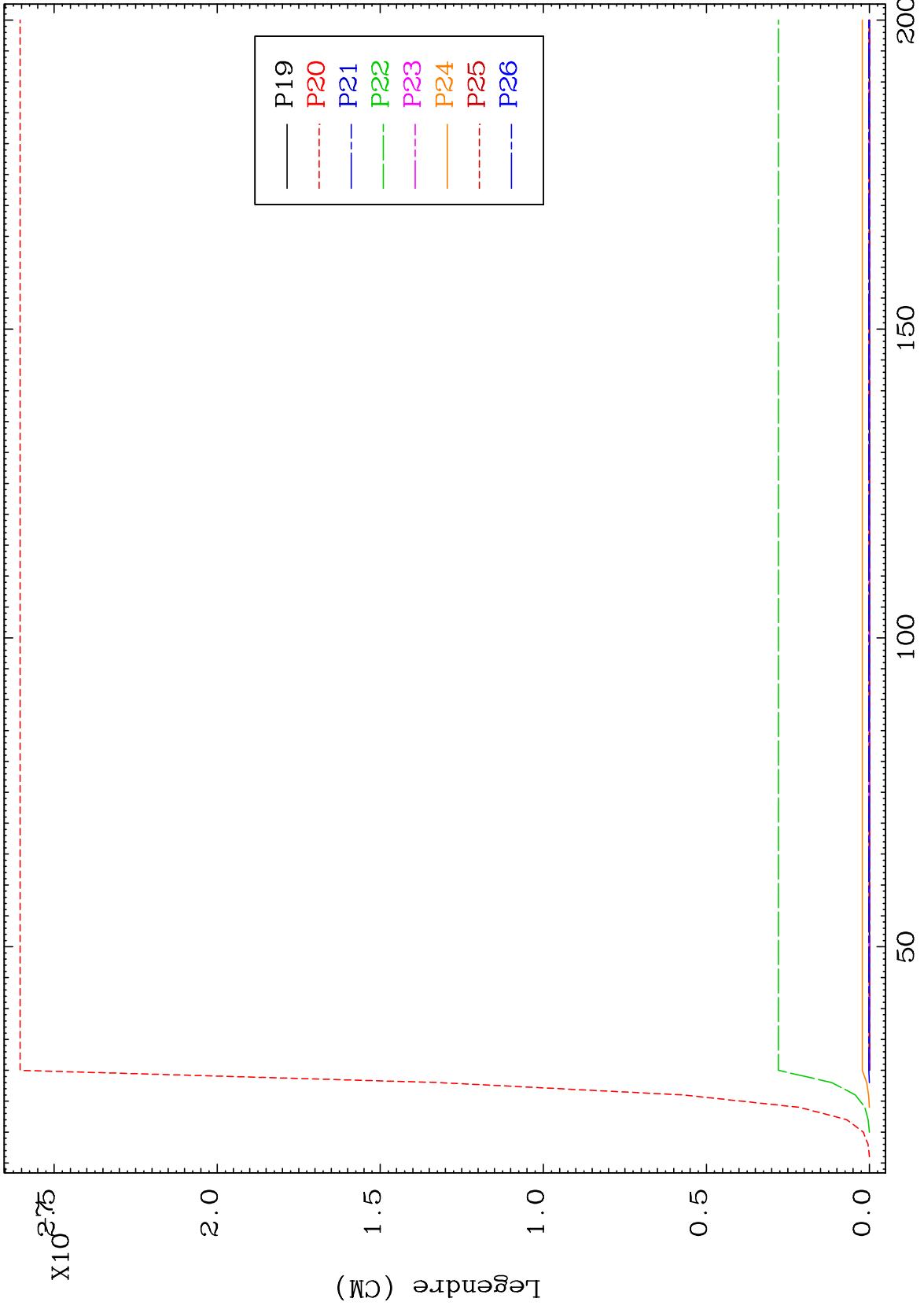


60-Nd-143

Incident Energy (MeV)

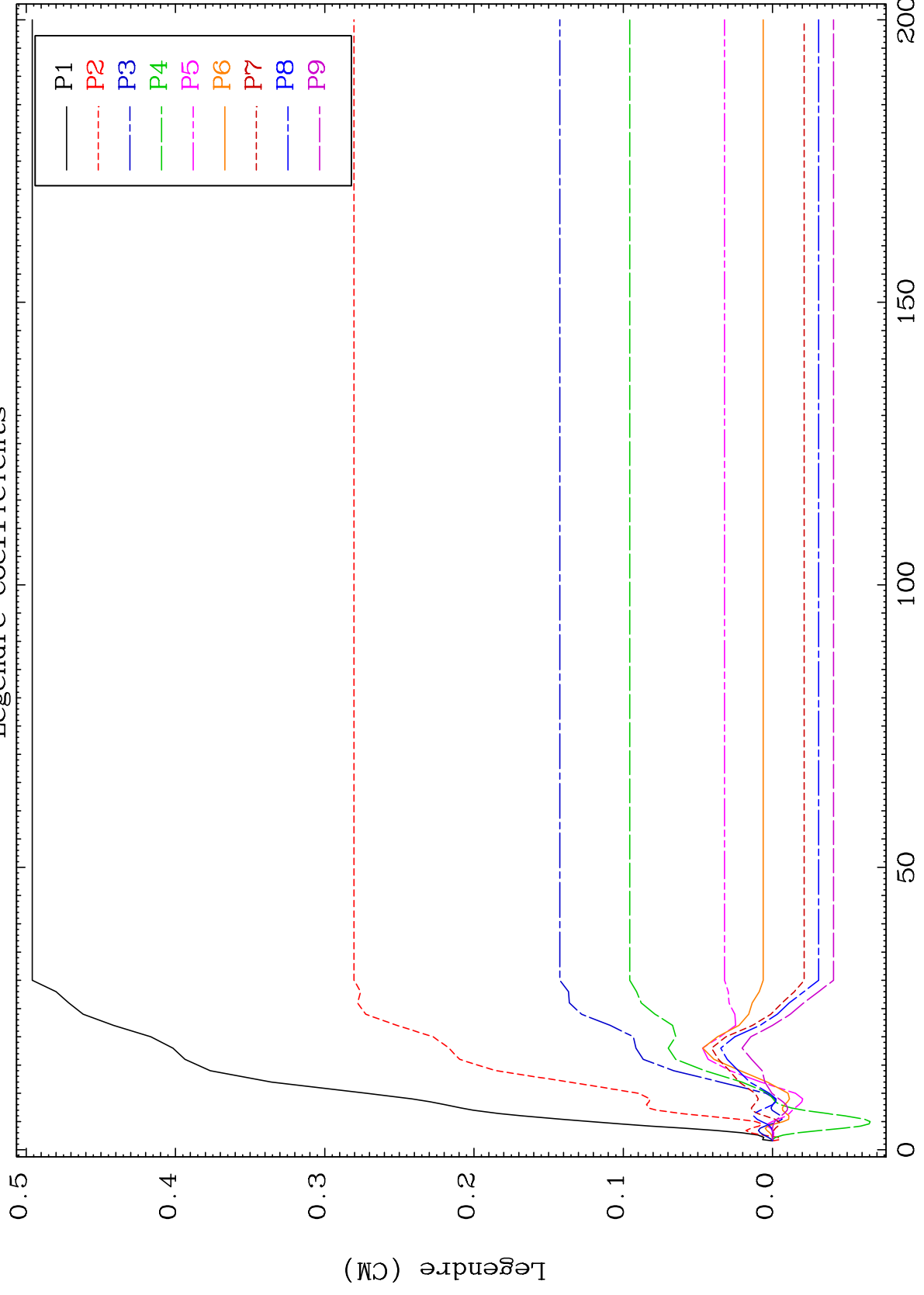
46

MAT 6028 MT= 58 (n,n') Level Legendre Coefficients 60-Nd-143



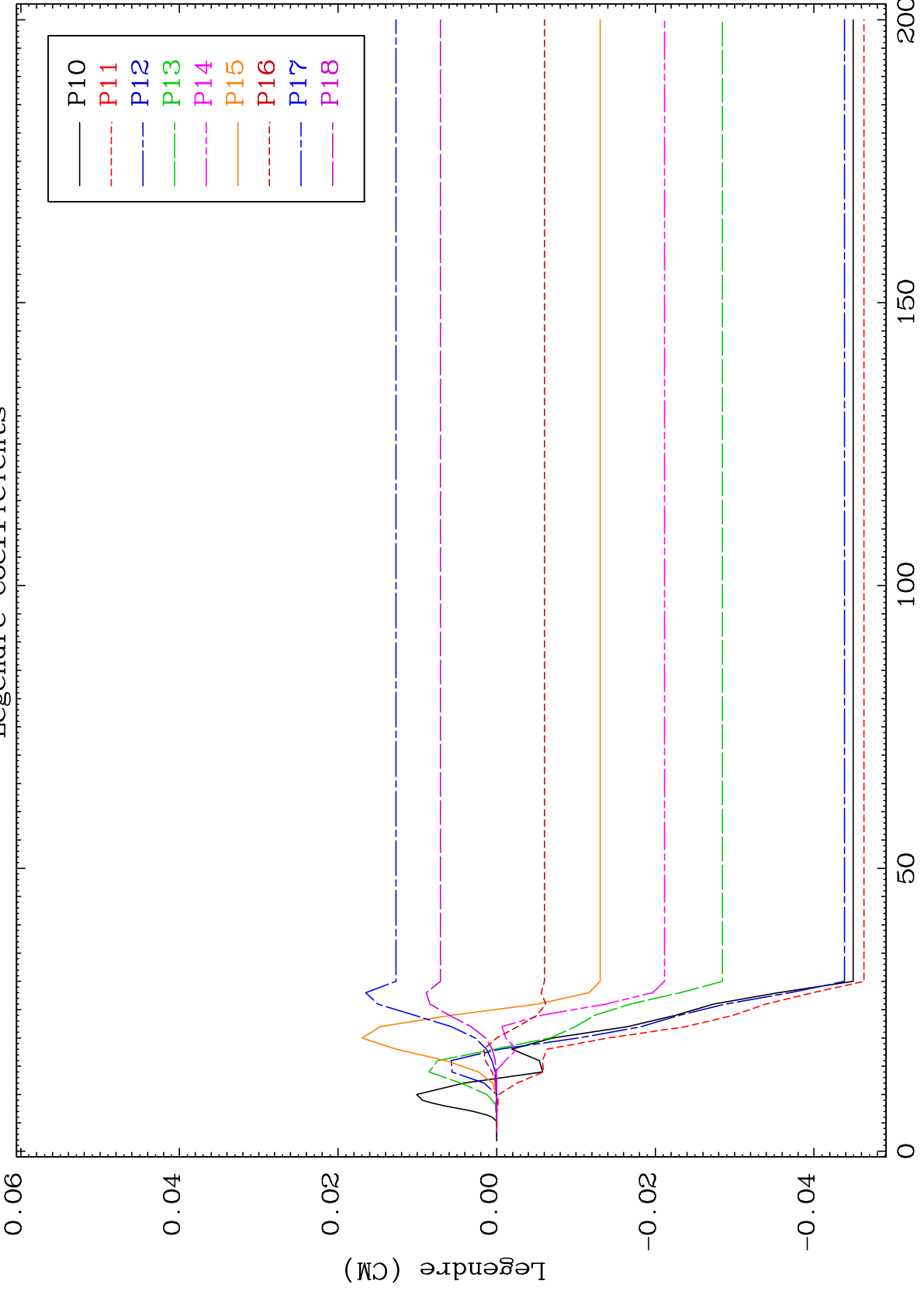
47 Incident Energy (MeV) 60-Nd-143

MAT 6028 MT= 59 (n,n') Level Legendre Coefficients 60-Nd-143



48 Incident Energy (MeV) 60-Nd-143

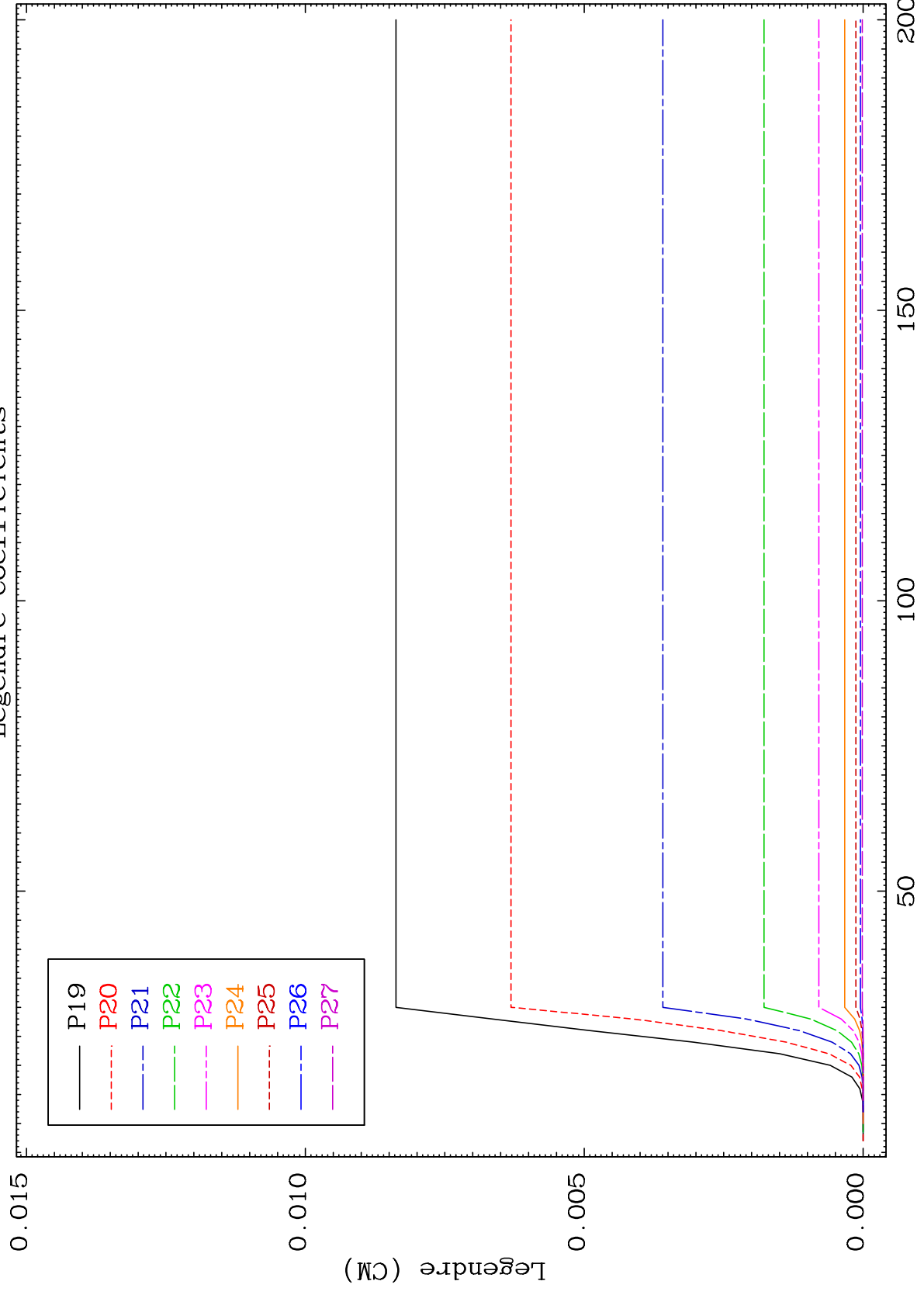
MAT 6028 MT= 59 (n,n') Level Legendre Coefficients 60-Nd-143



MAT 6028

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

60-Nd-143



50

50

100

150

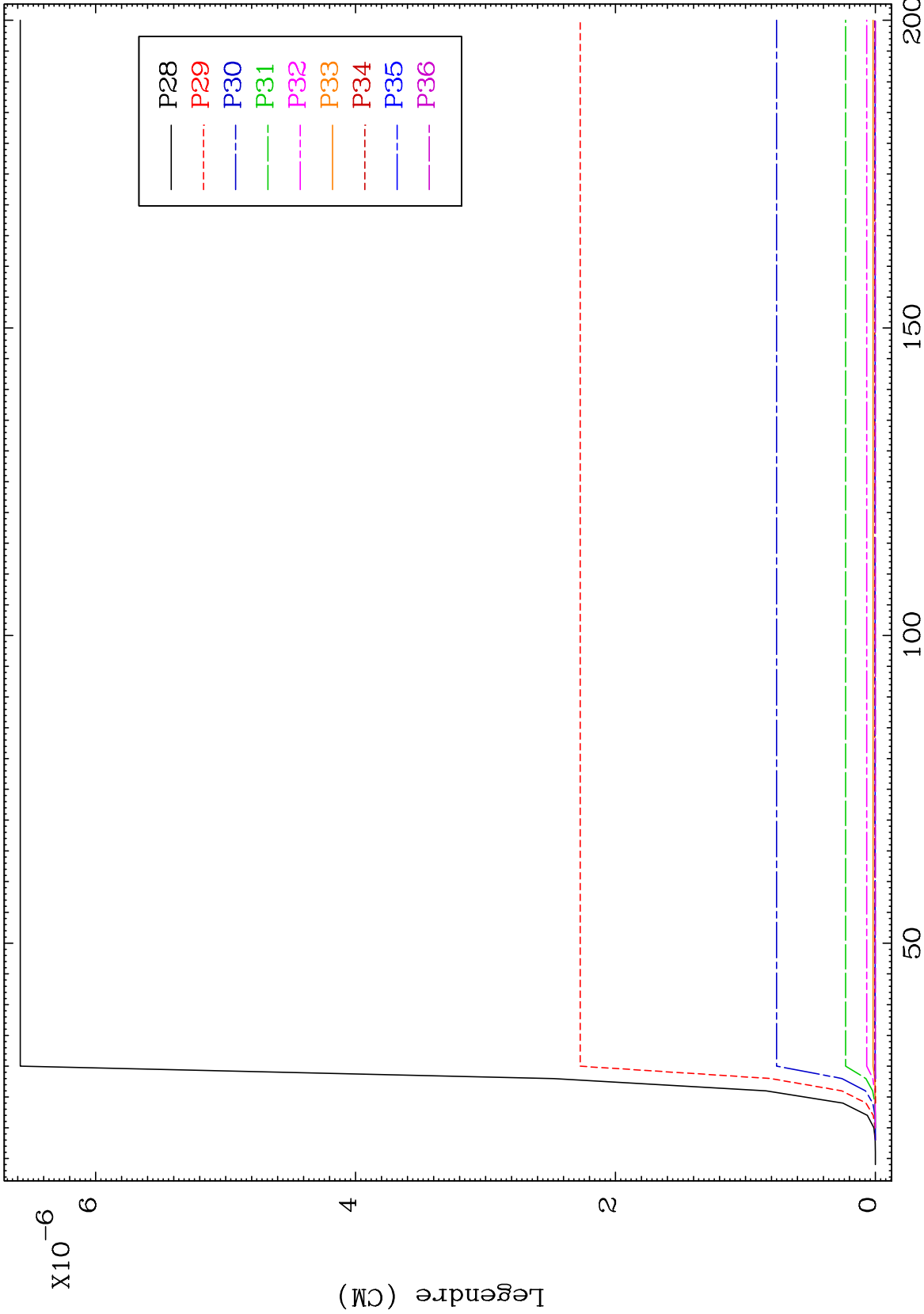
200

60-Nd-143

MAT 6028

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

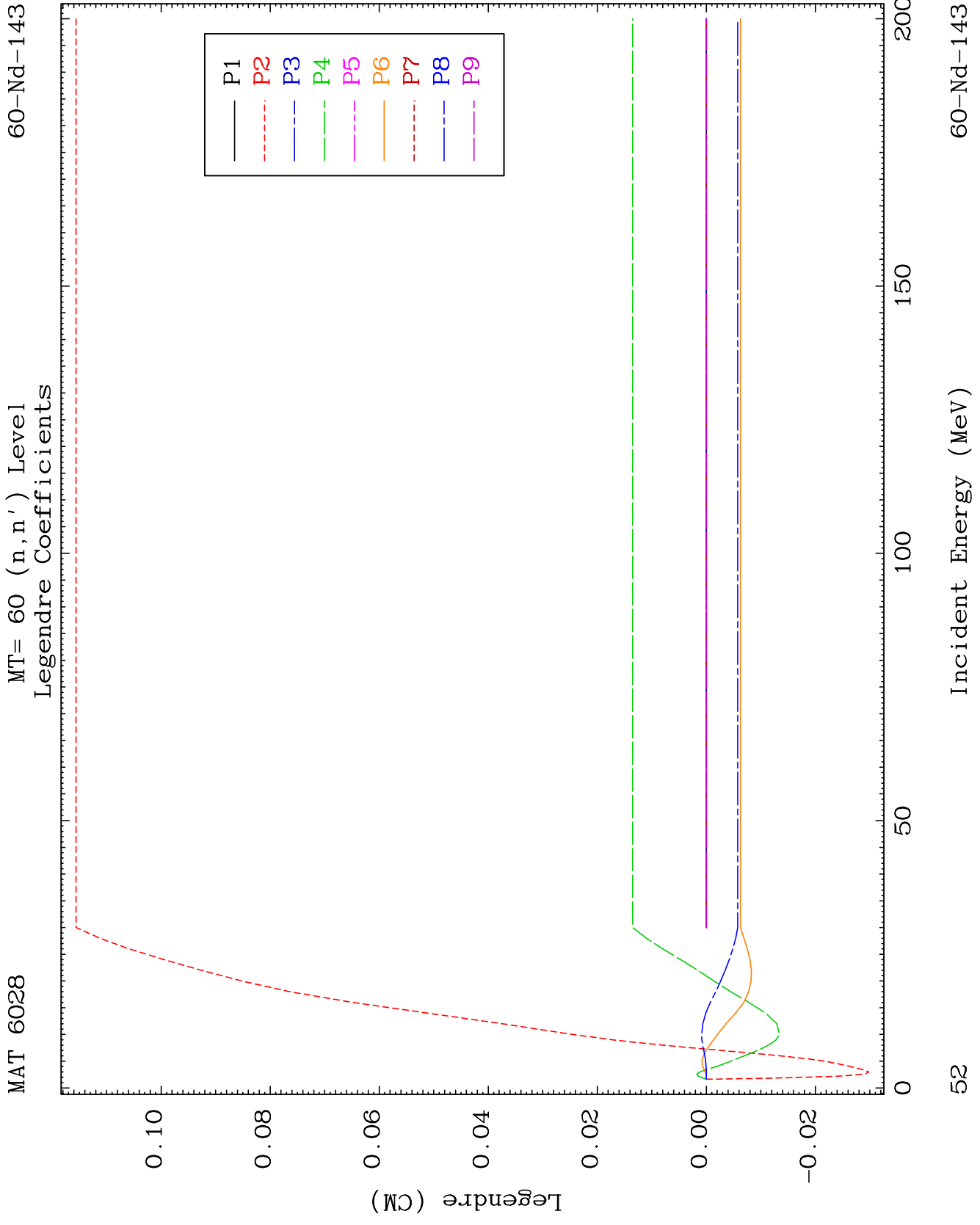
60-Nd-143



51

Incident Energy (MeV)

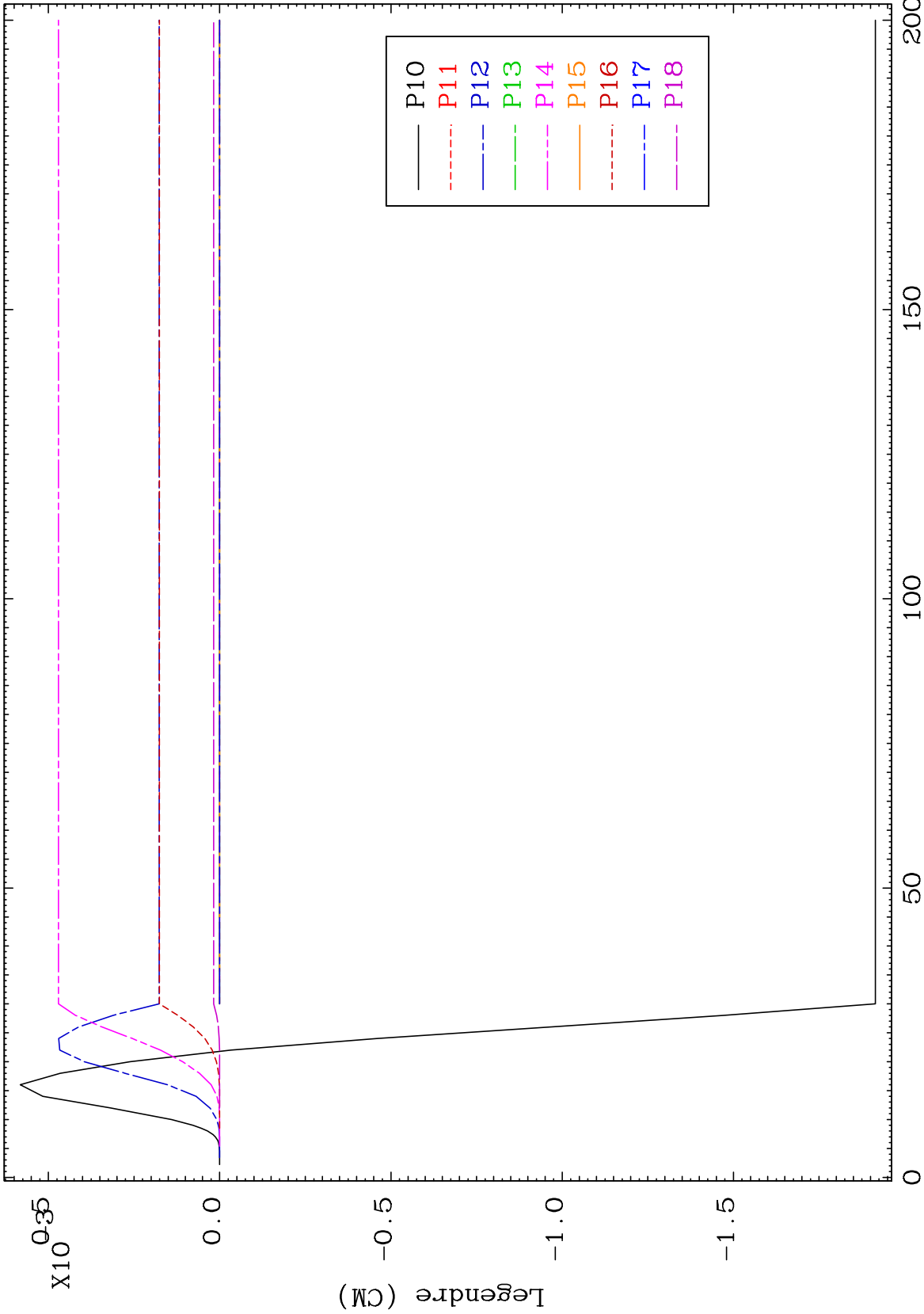
60-Nd-143



MAT 6028

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

60-Nd-143

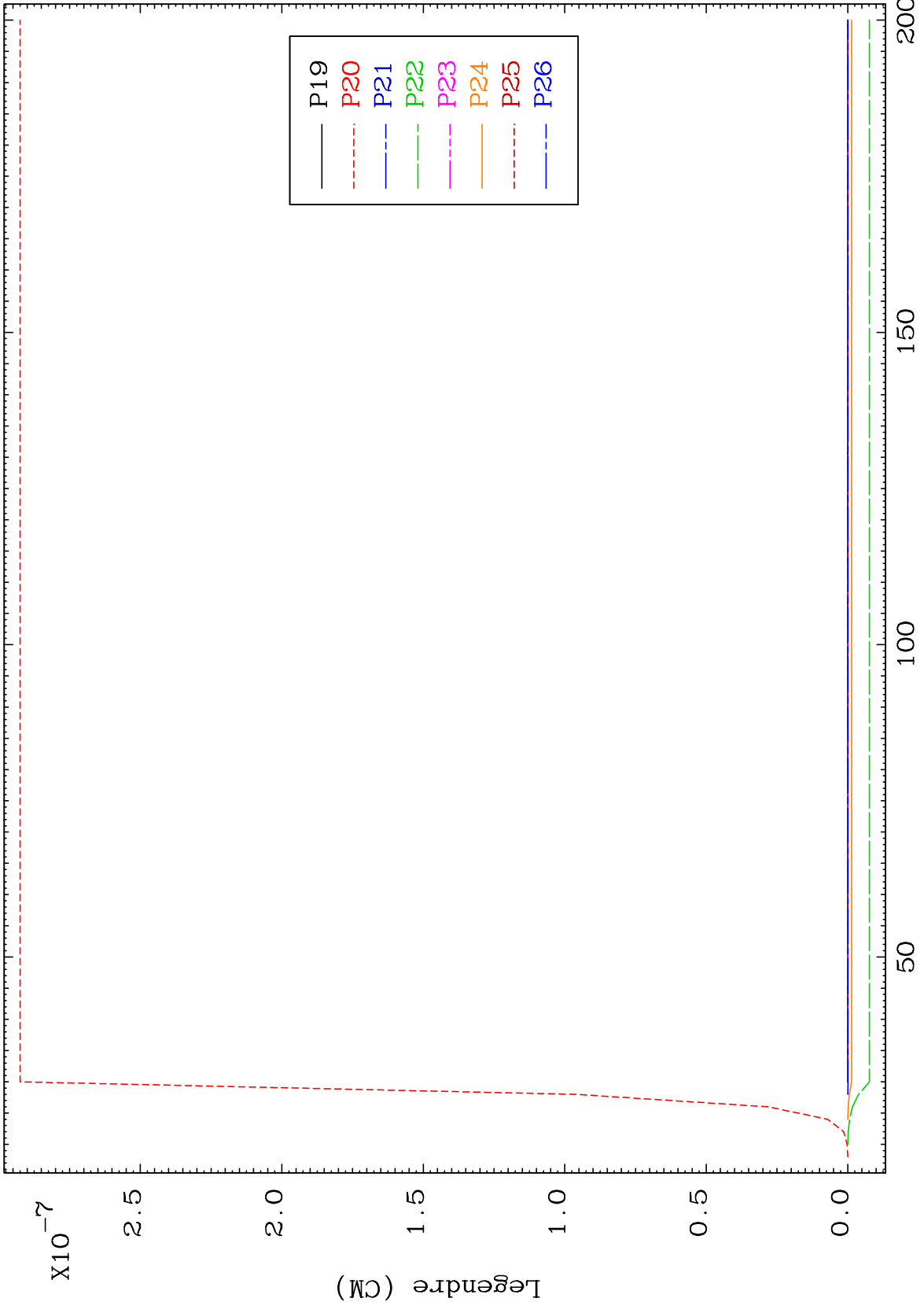


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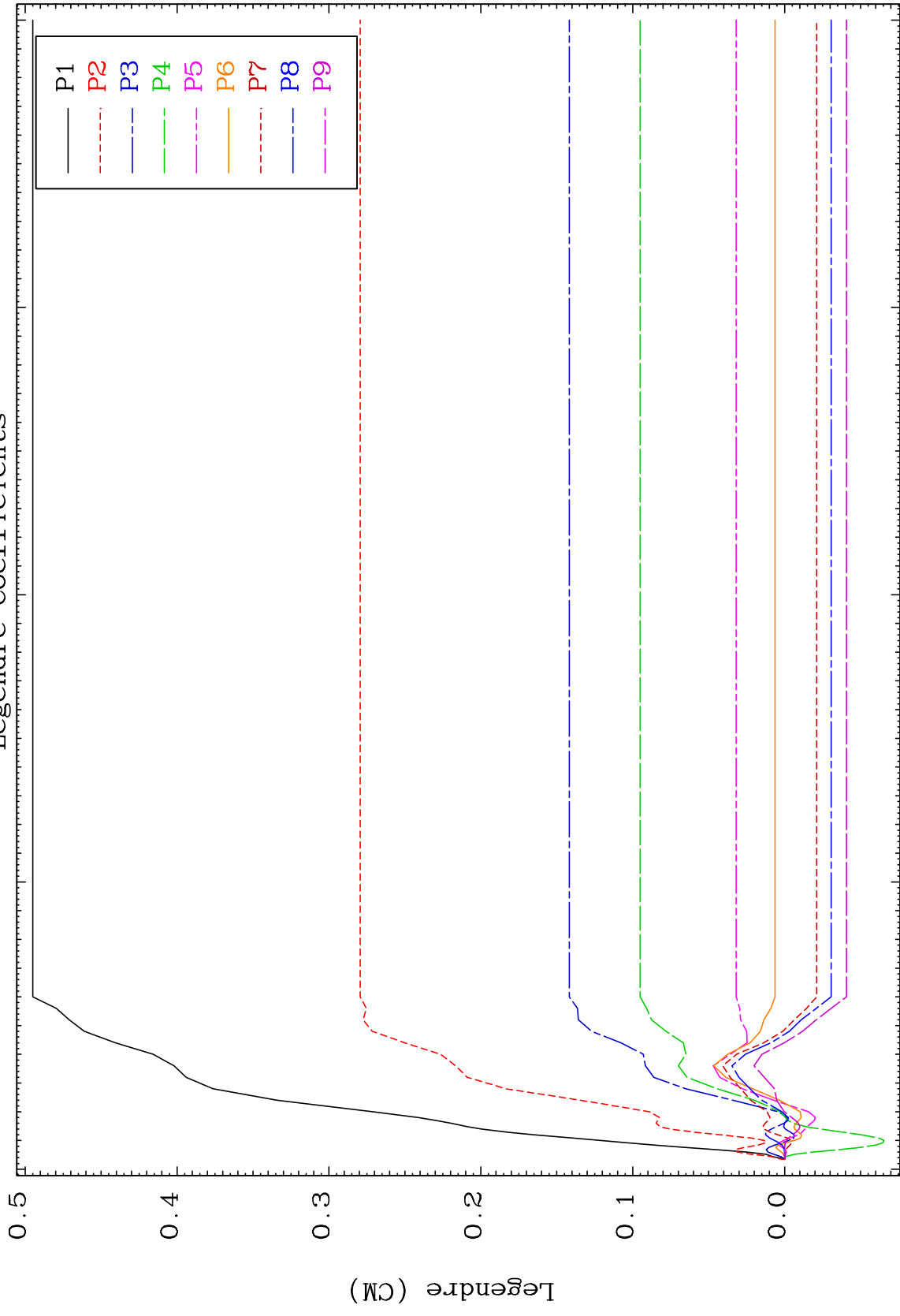
Incident Energy (MeV)

60-Nd-143

MAT 6028 MT= 60 (n,n') Level Legendre Coefficients 60-Nd-143

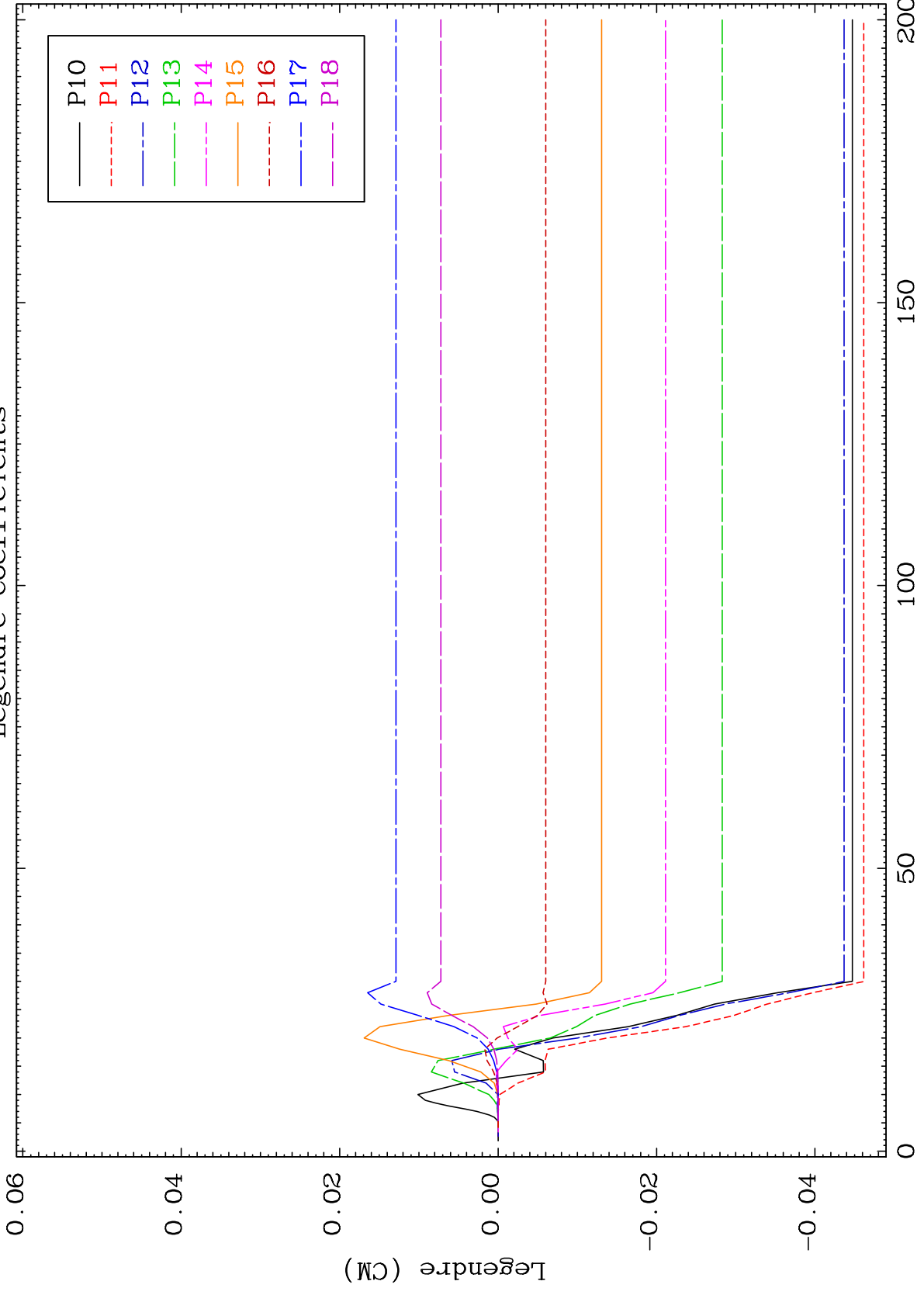


MAT 6028 MT= 61 (n,n') Level Legendre Coefficients 60-Nd-143



55 Incident Energy (MeV) 60-Nd-143

MAT 6028 MT= 61 (n,n') Level Legendre Coefficients 60-Nd-143

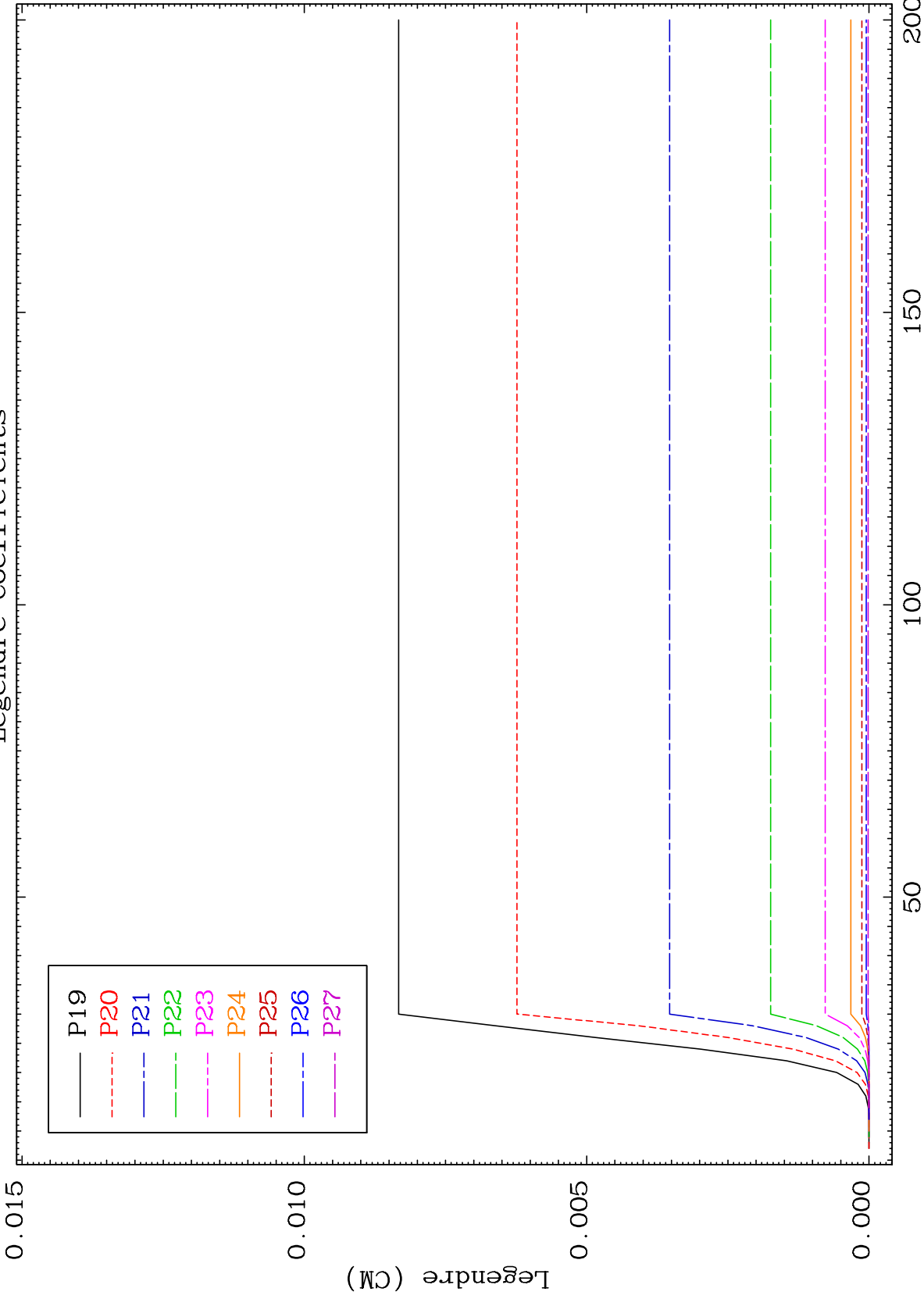


56 Incident Energy (MeV) 60-Nd-143

MAT 6028

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

60-Nd-143



60-Nd-143

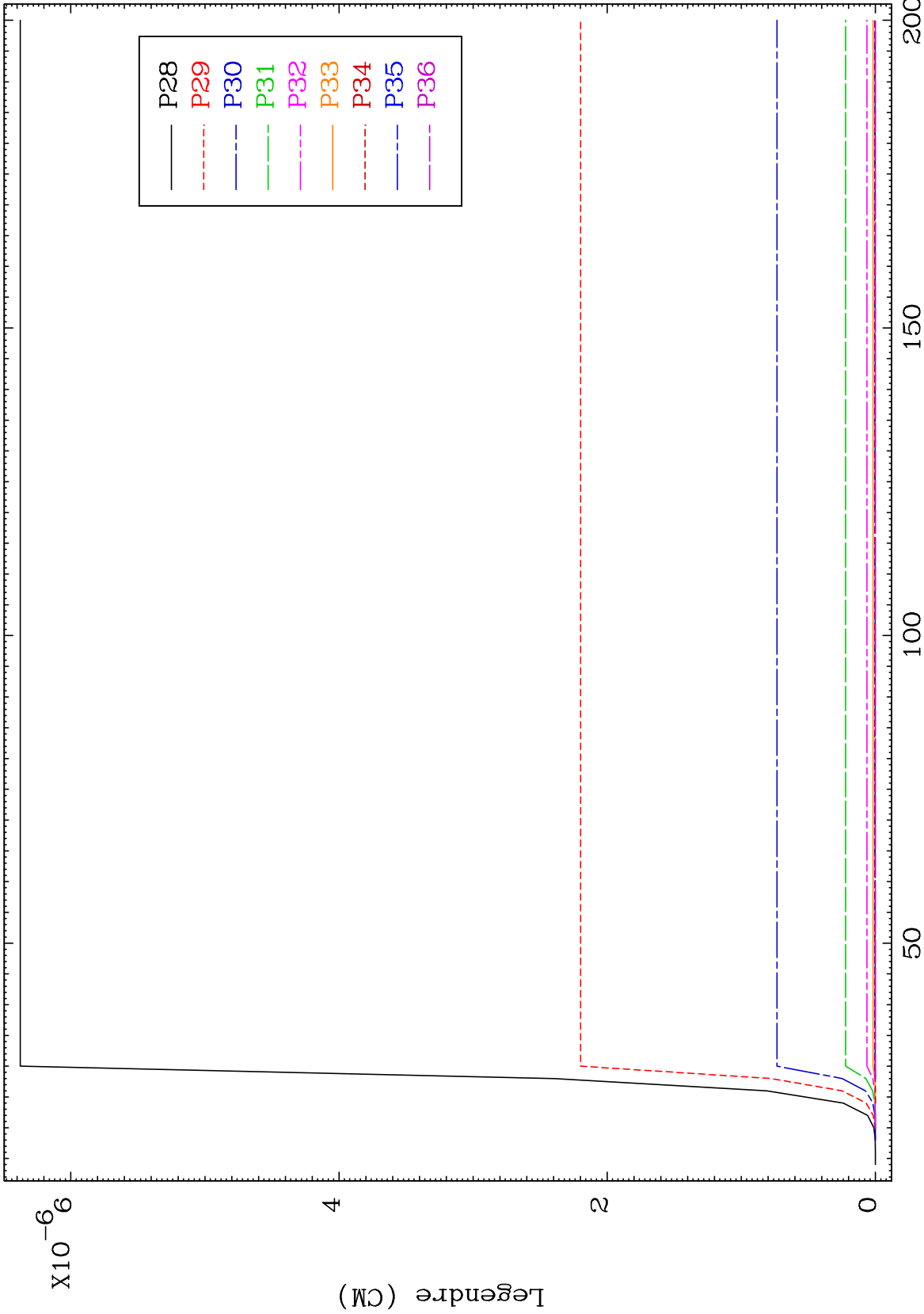
Incident Energy (MeV)

57

MAT 6028

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

60-Nd-143

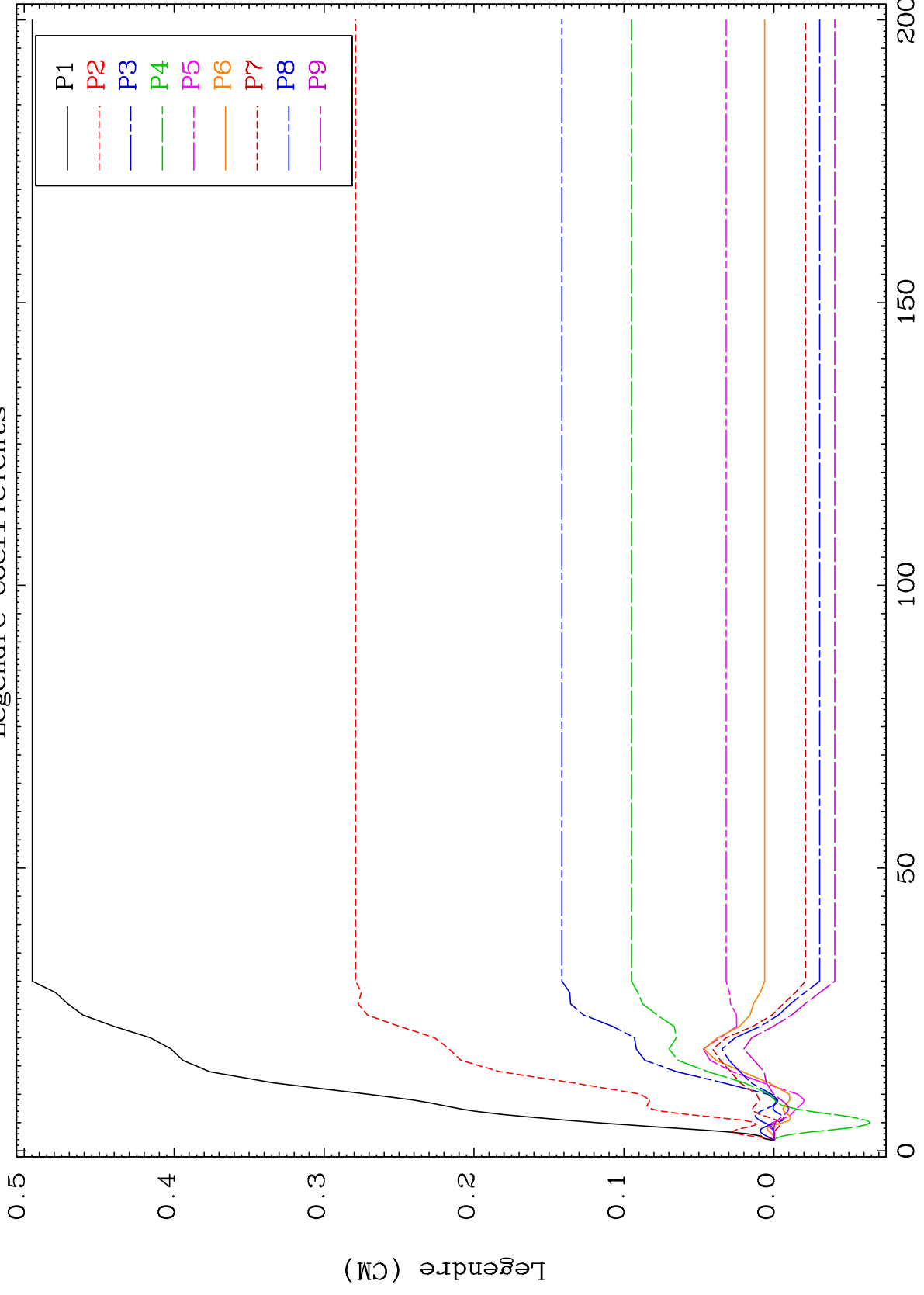


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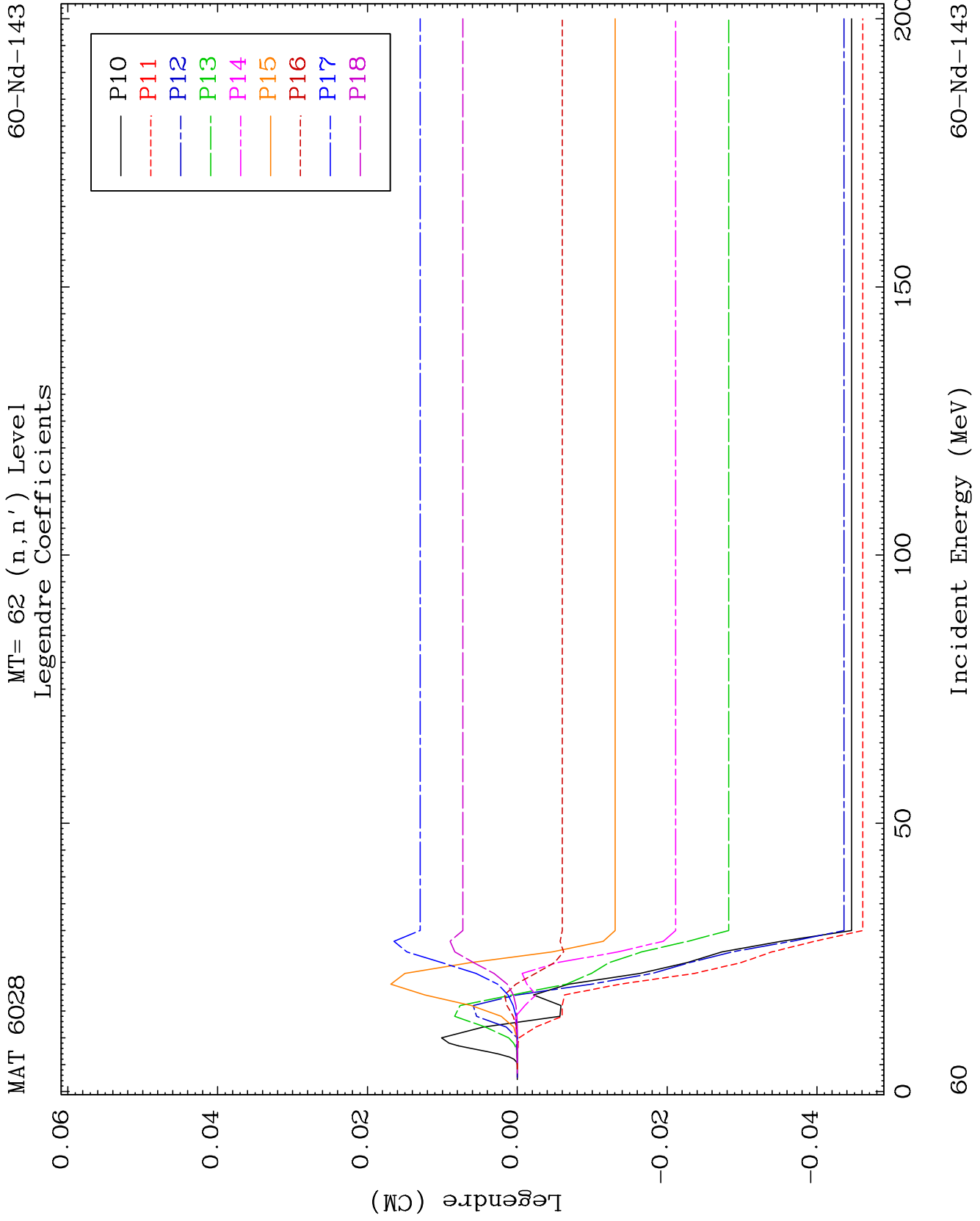
Incident Energy (MeV)

60-Nd-143

MAT 6028 MT= 62 (n,n') Level Legendre Coefficients 60-Nd-143



59 Incident Energy (MeV) 60-Nd-143



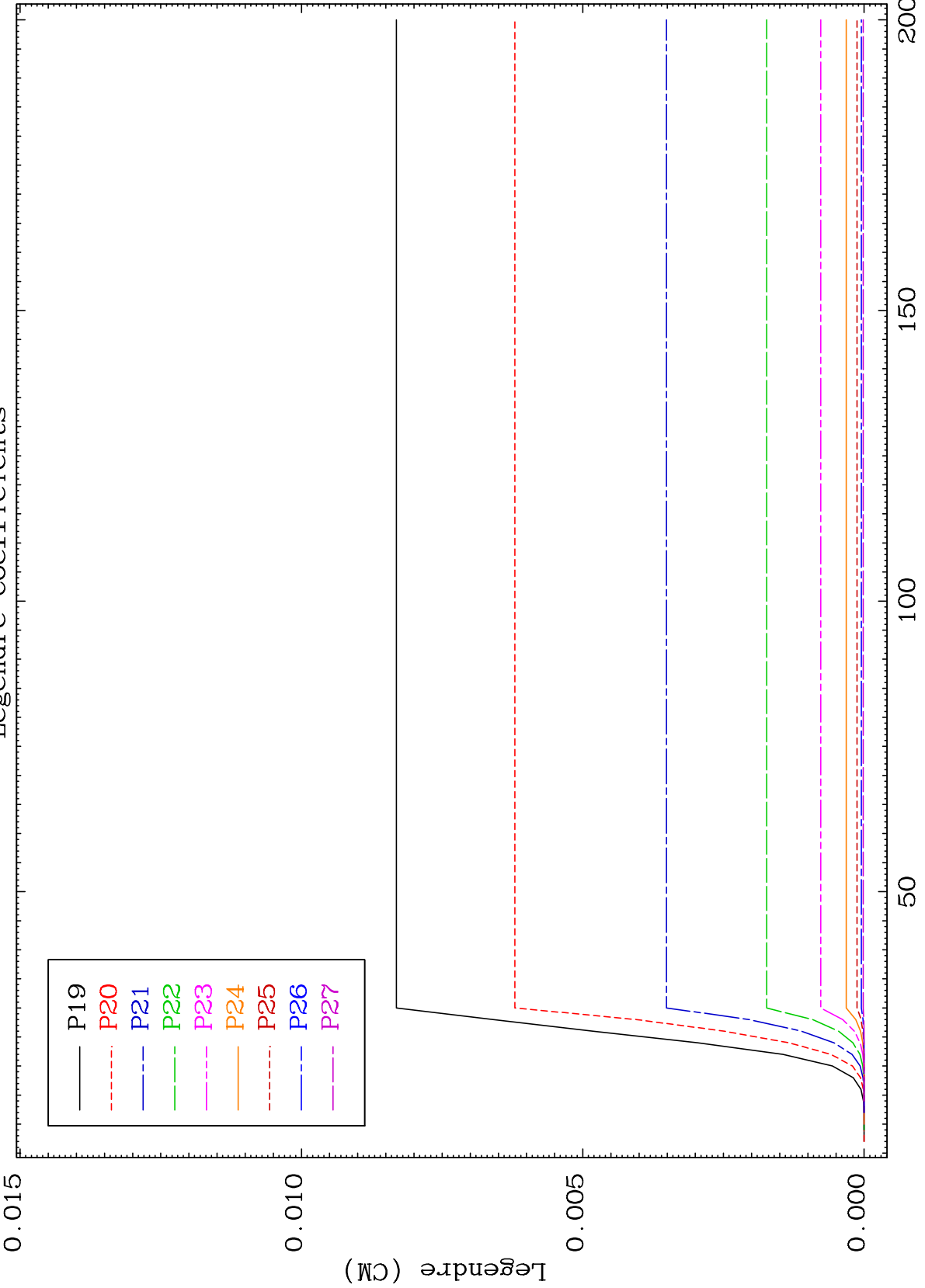
MAT 6028 MT= 62 (n,n') Level Legendre Coefficients

60-Nd-143

60-Nd-143

Incident Energy (MeV)

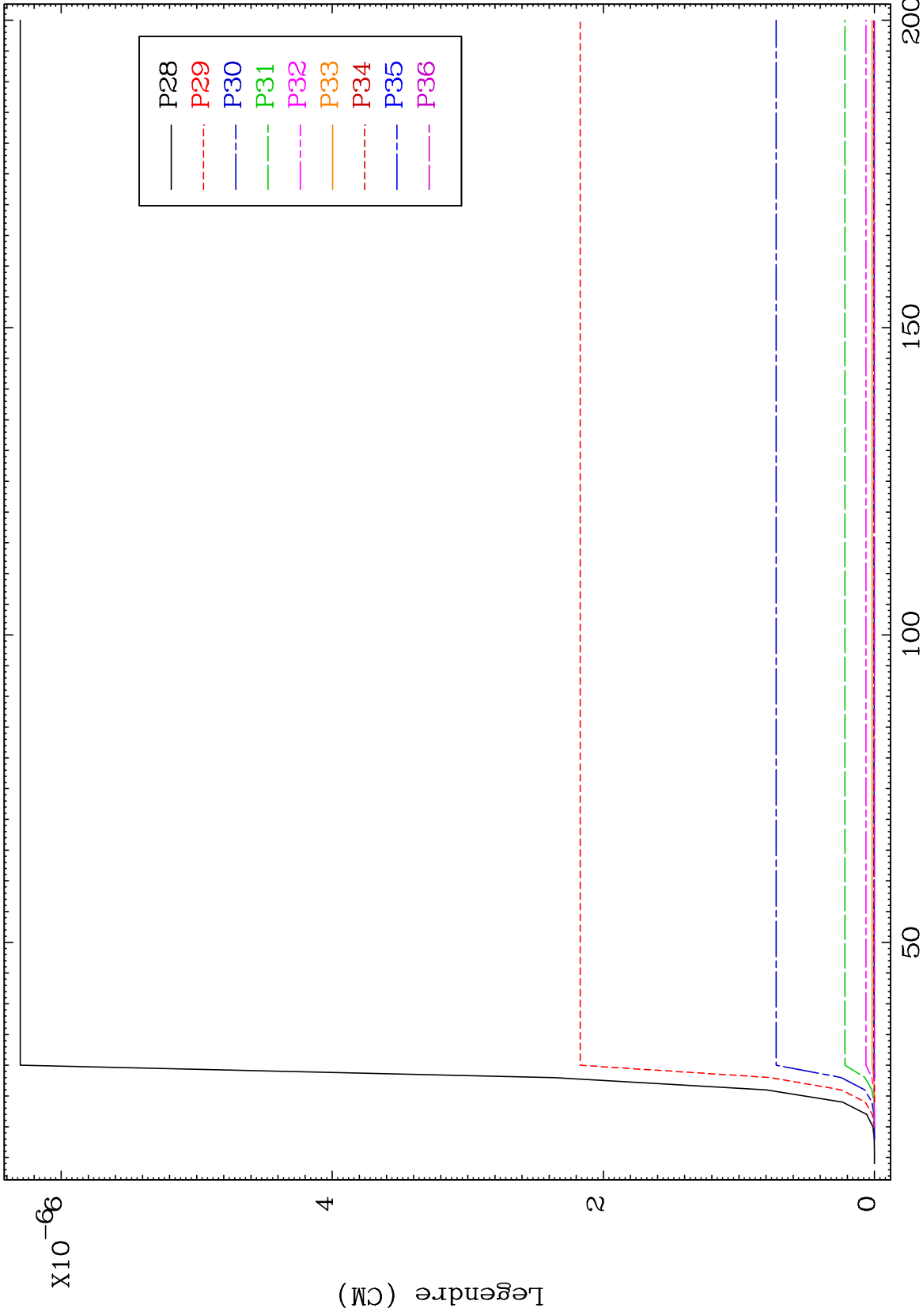
61



MAT 6028

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

60-Nd-143

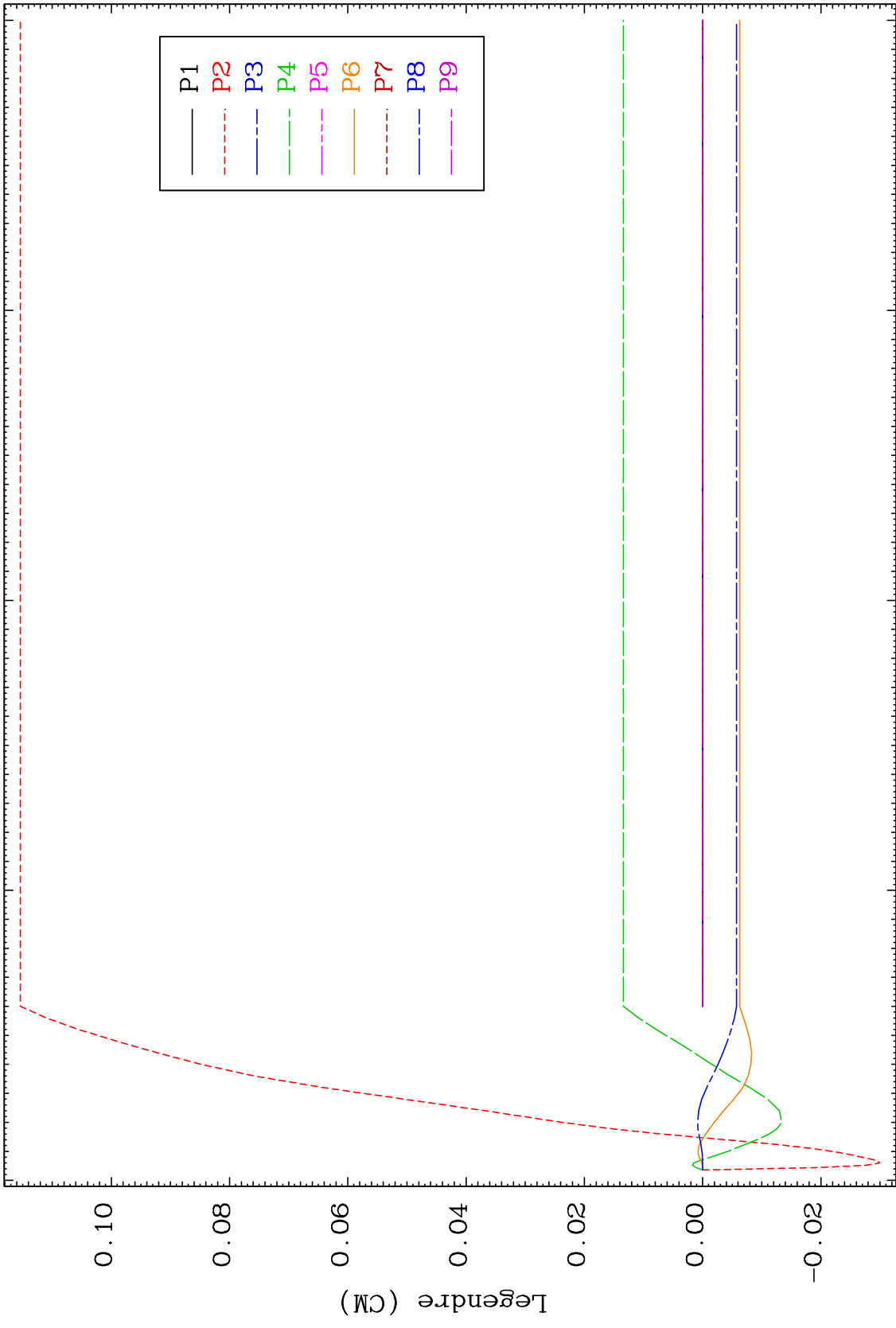


62

Incident Energy (MeV)

60-Nd-143

MAT 6028 MT= 63 (n,n') Level Legendre Coefficients 60-Nd-143

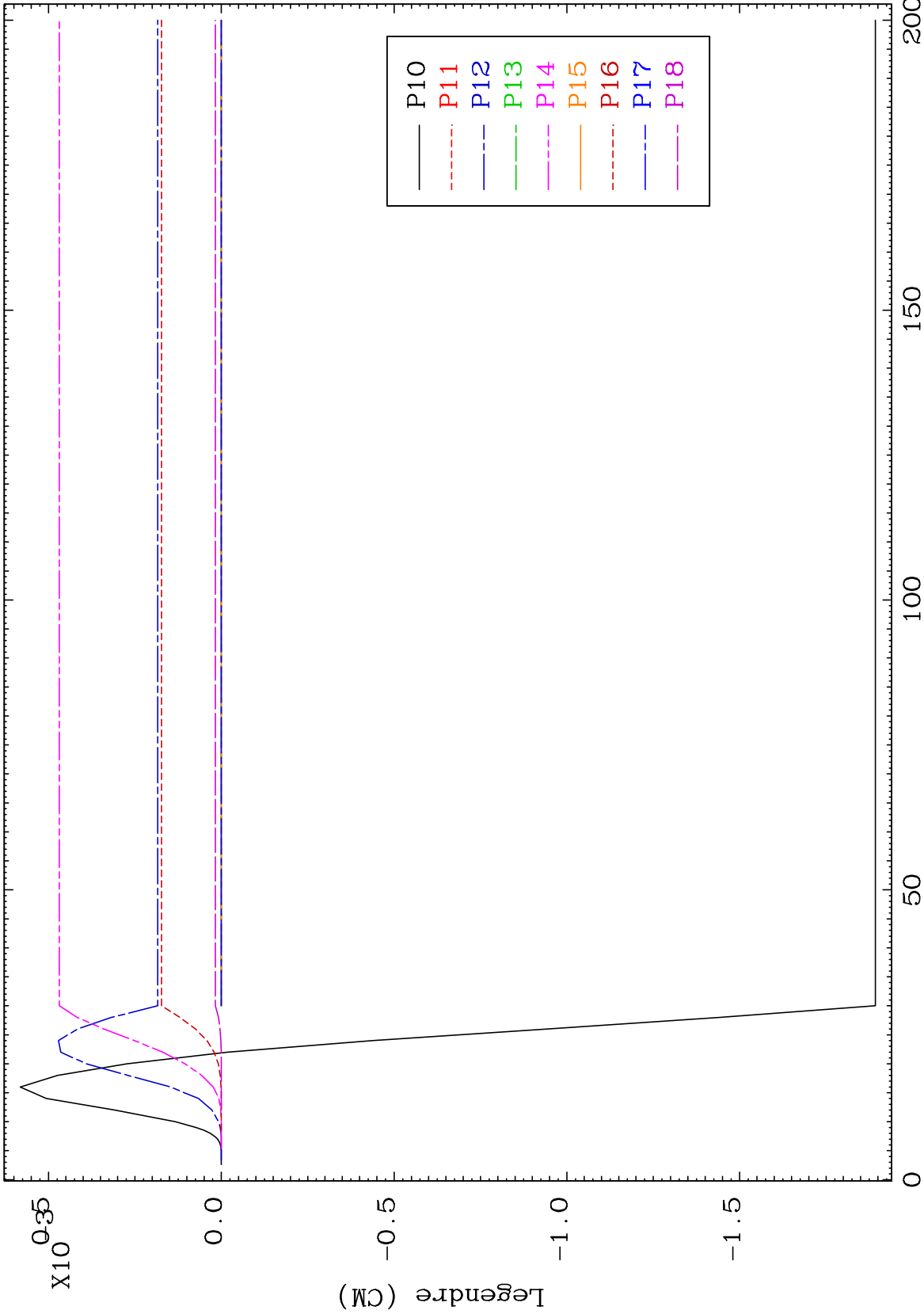


63 Incident Energy (MeV) 60-Nd-143

MAT 6028

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

60-Nd-143

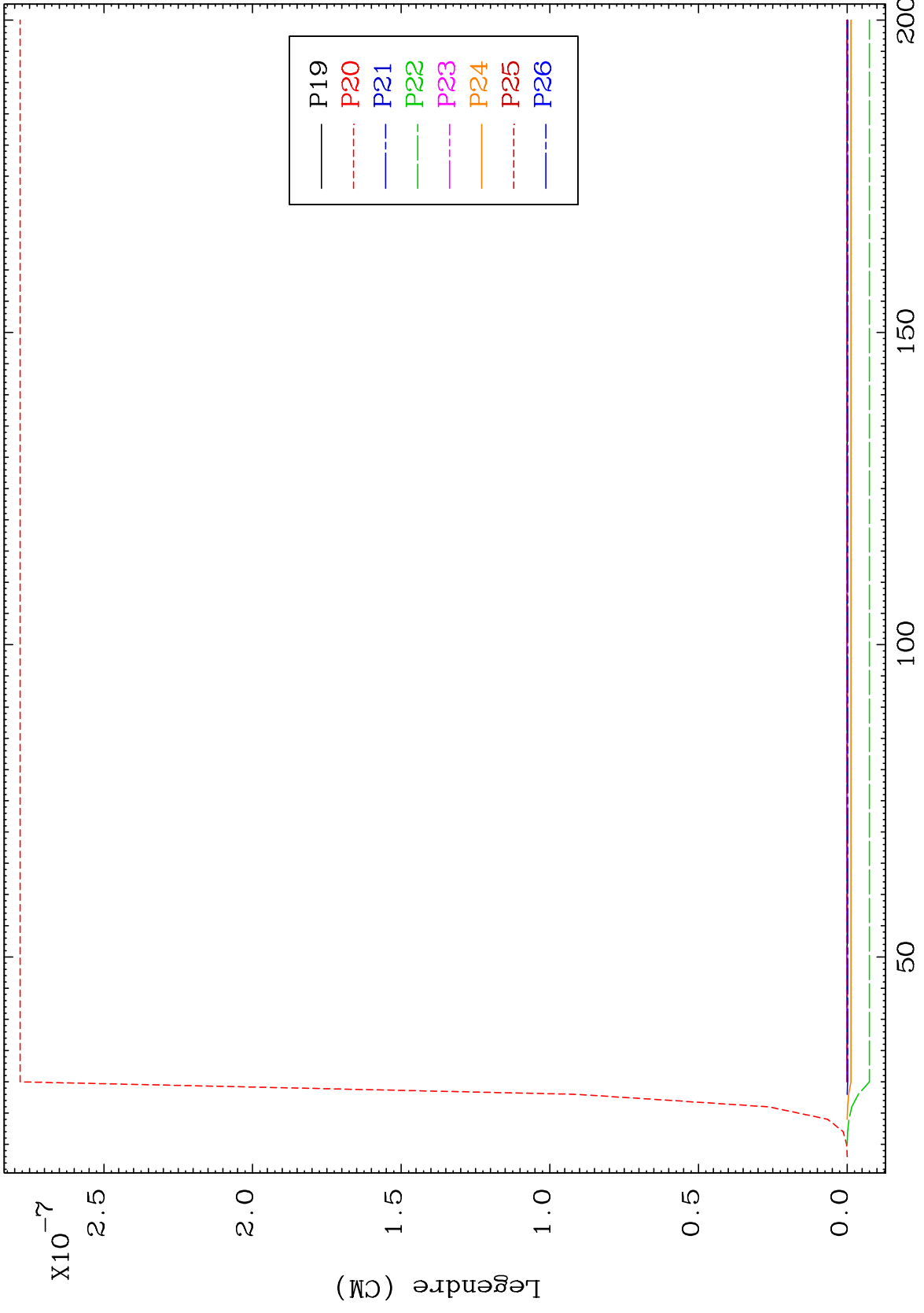


64

Incident Energy (MeV)

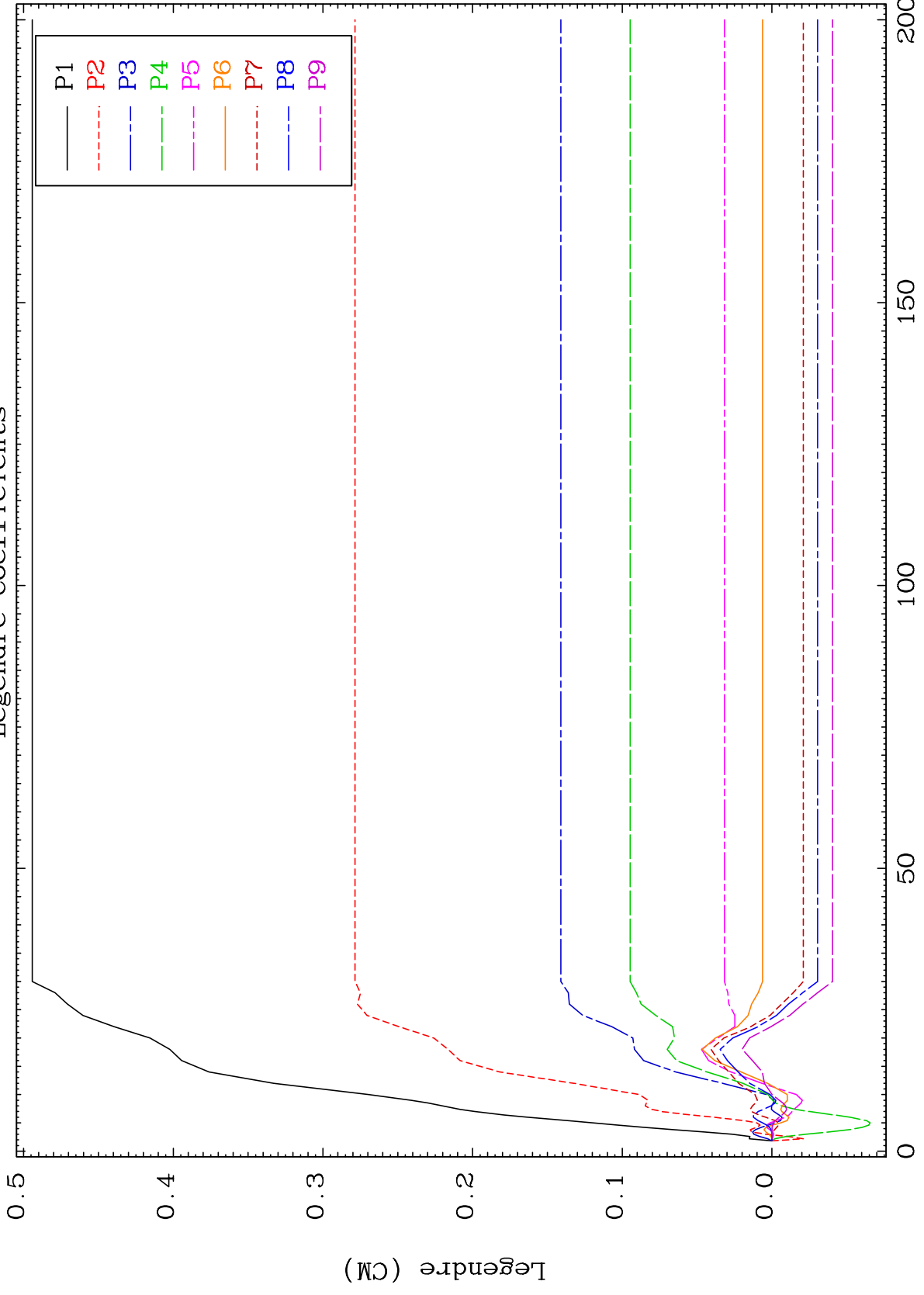
60-Nd-143

MAT 6028 MT= 63 (n,n') Level Legendre Coefficients 60-Nd-143

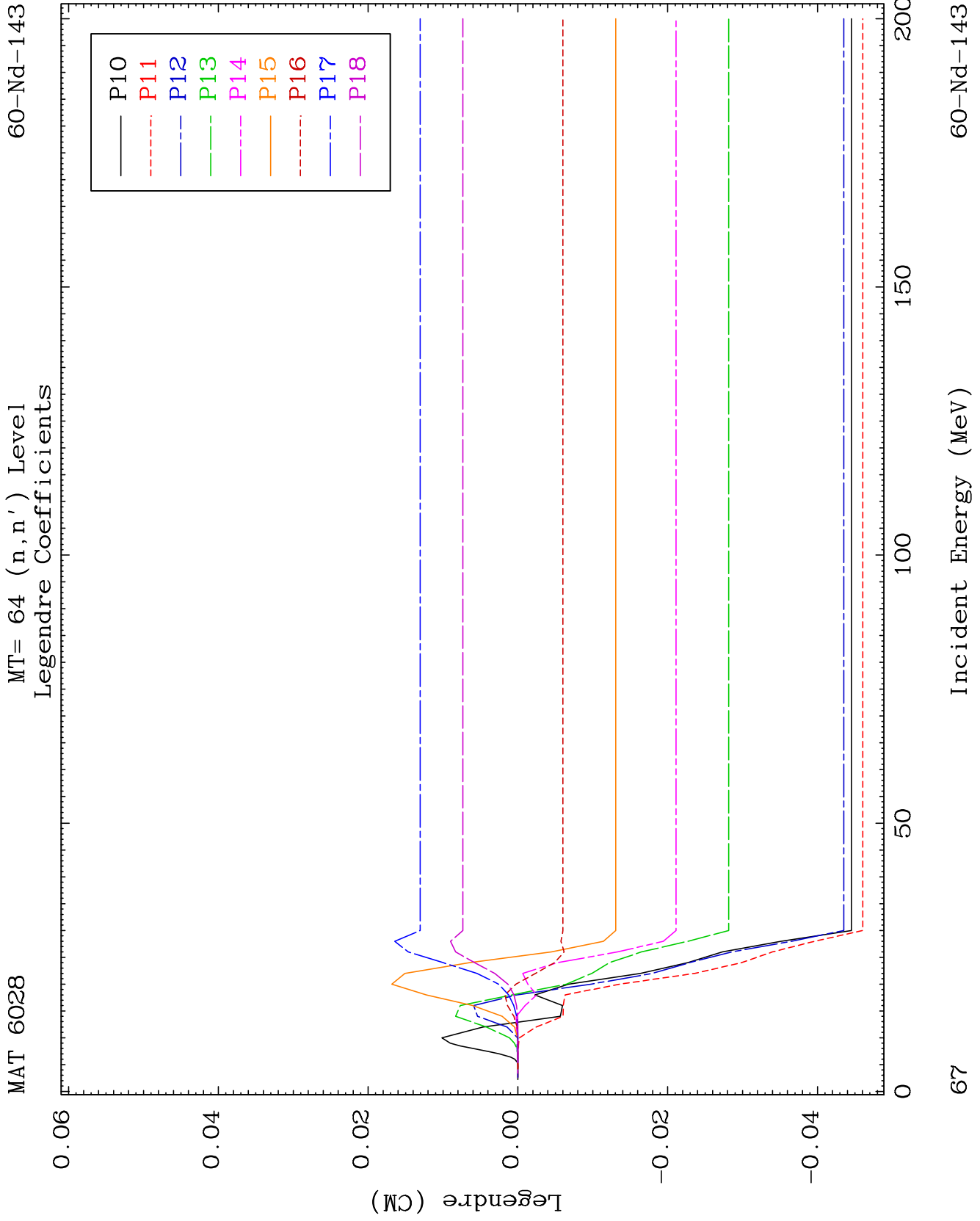


65 Incident Energy (MeV) 200 60-Nd-143

MAT 6028 MT= 64 (n,n') Level Legendre Coefficients 60-Nd-143



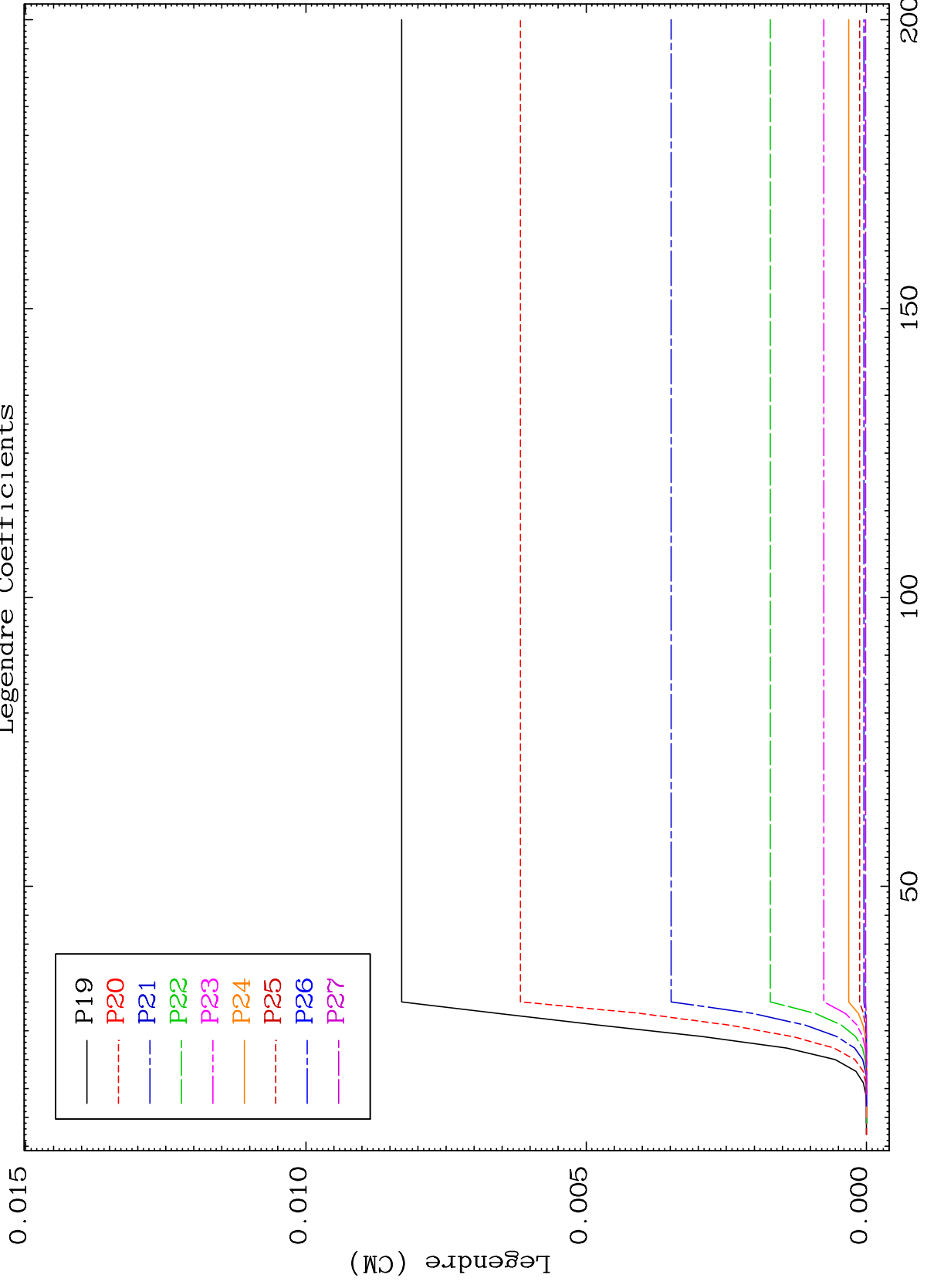
66 60-Nd-143



MAT 6028

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

60-Nd-143



60-Nd-143

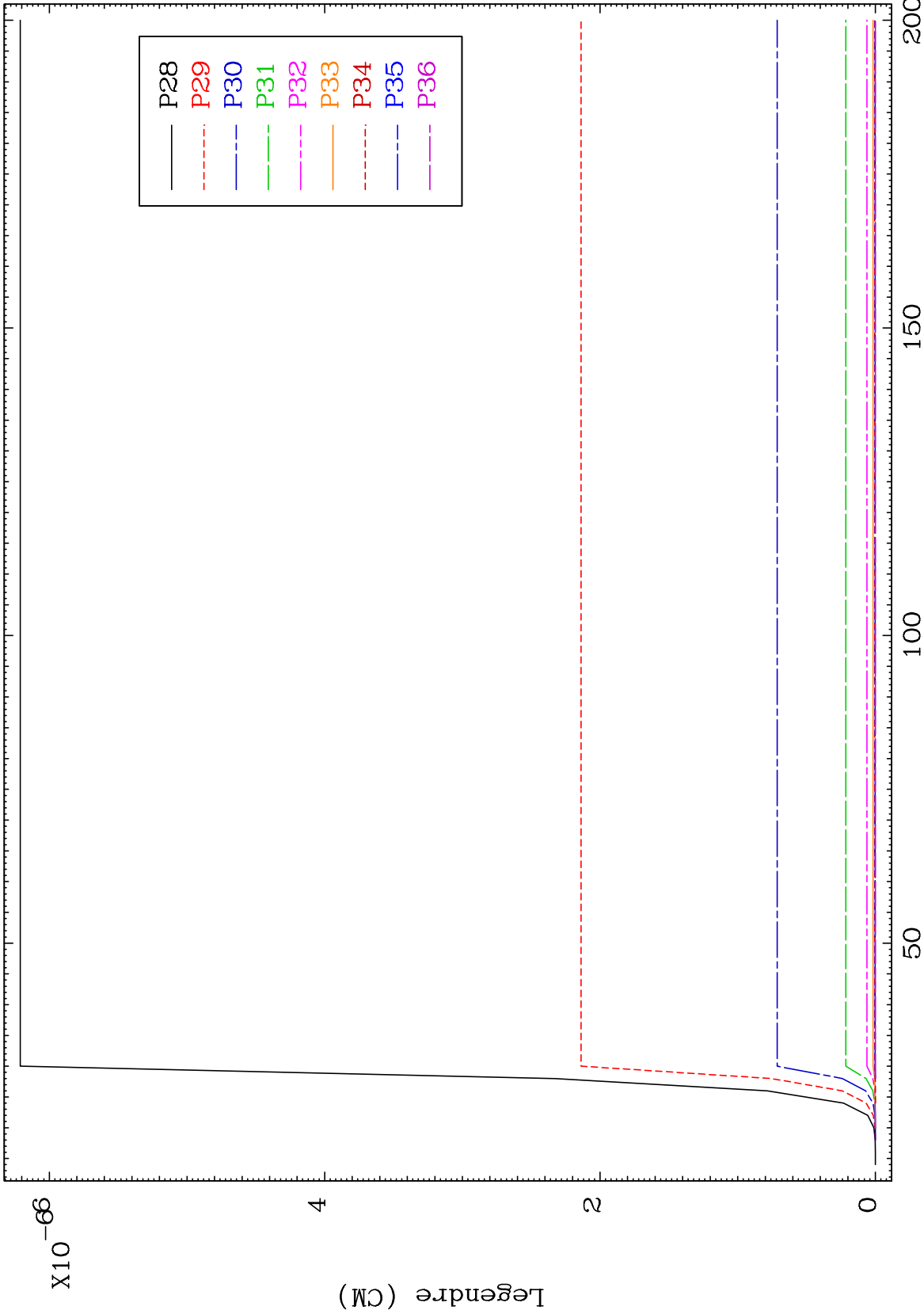
Incident Energy (MeV)

68

MAT 6028

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

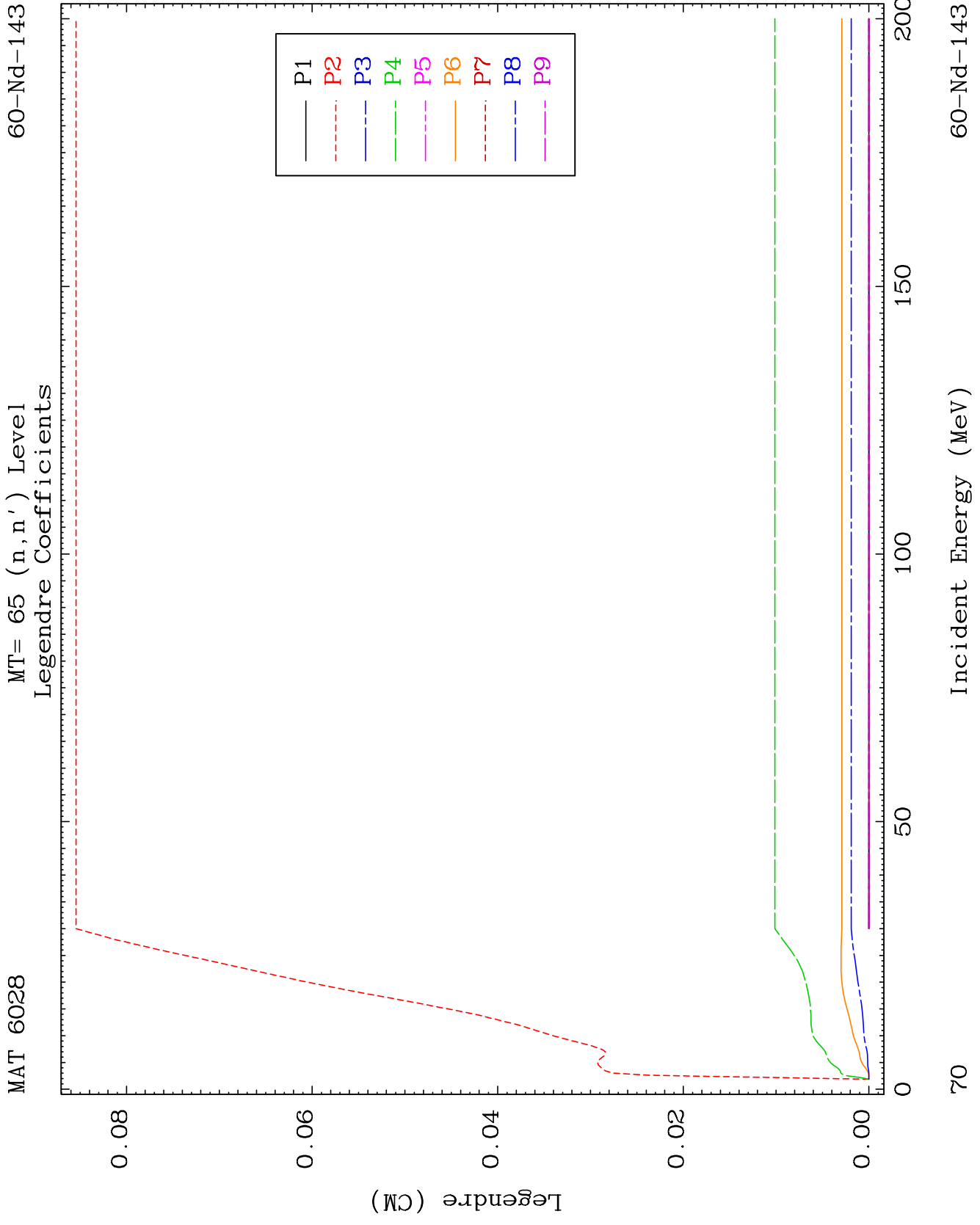
60-Nd-143



69

Incident Energy (MeV)

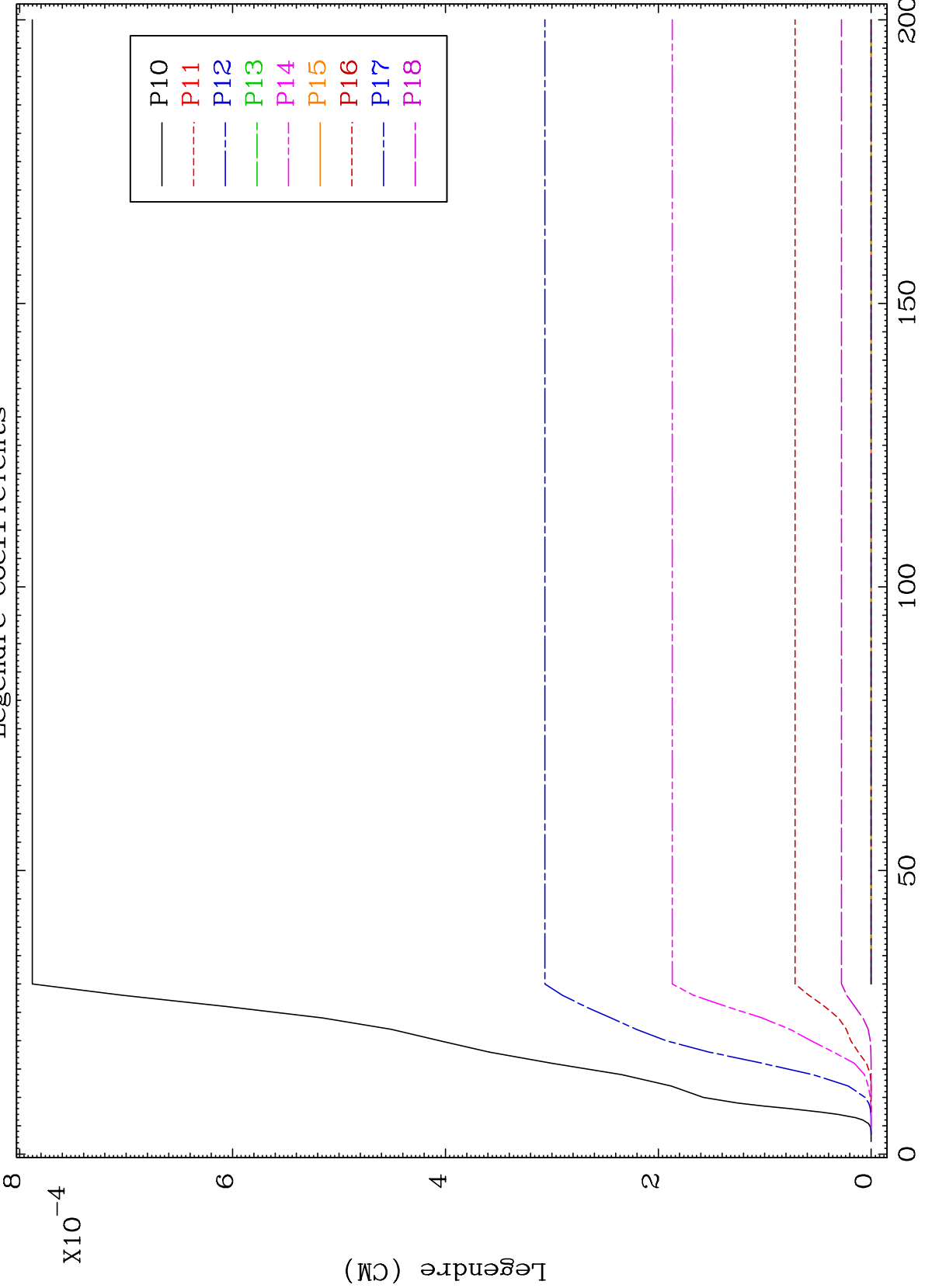
60-Nd-143



MAT 6028

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

60-Nd-143



71

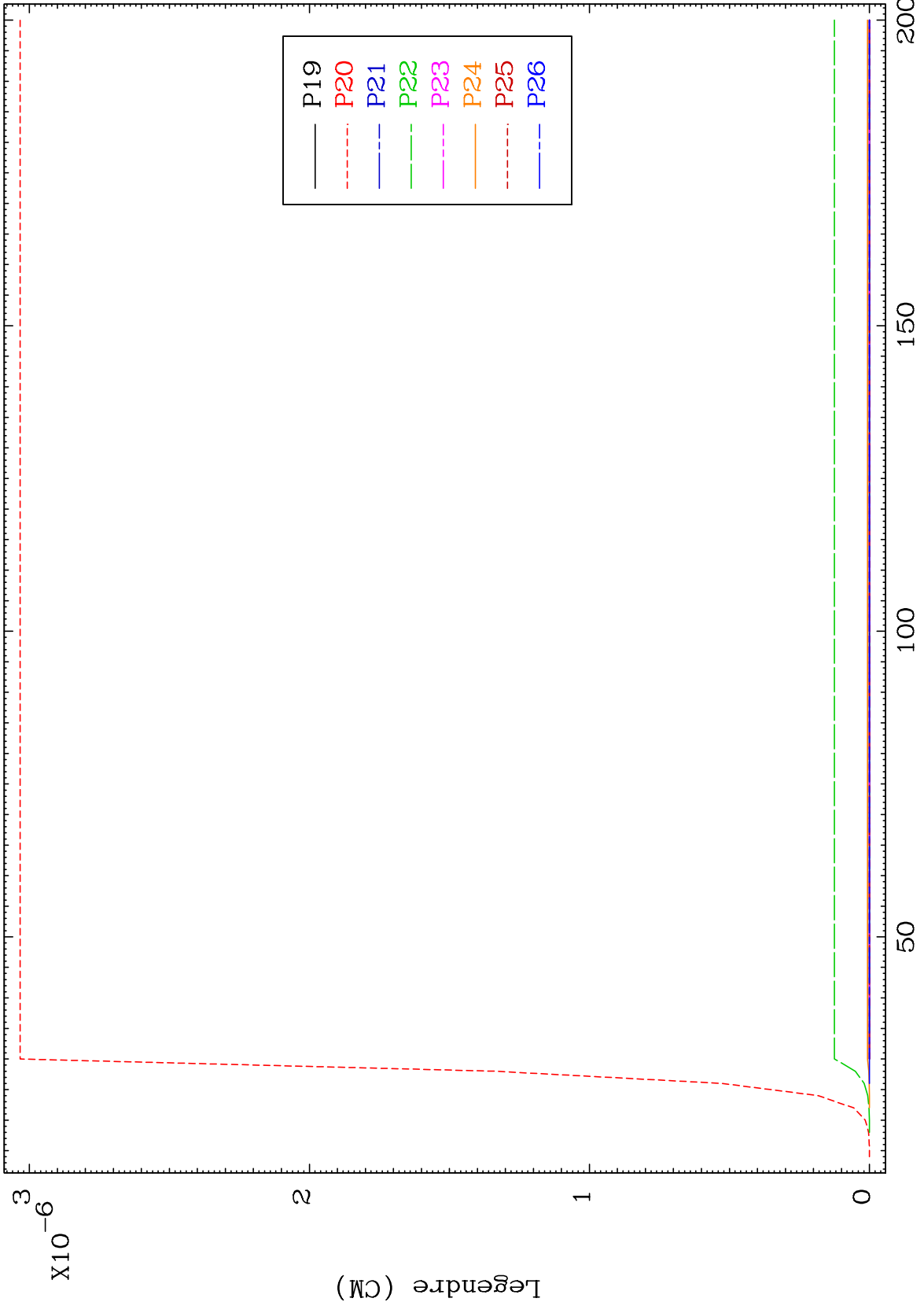
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143

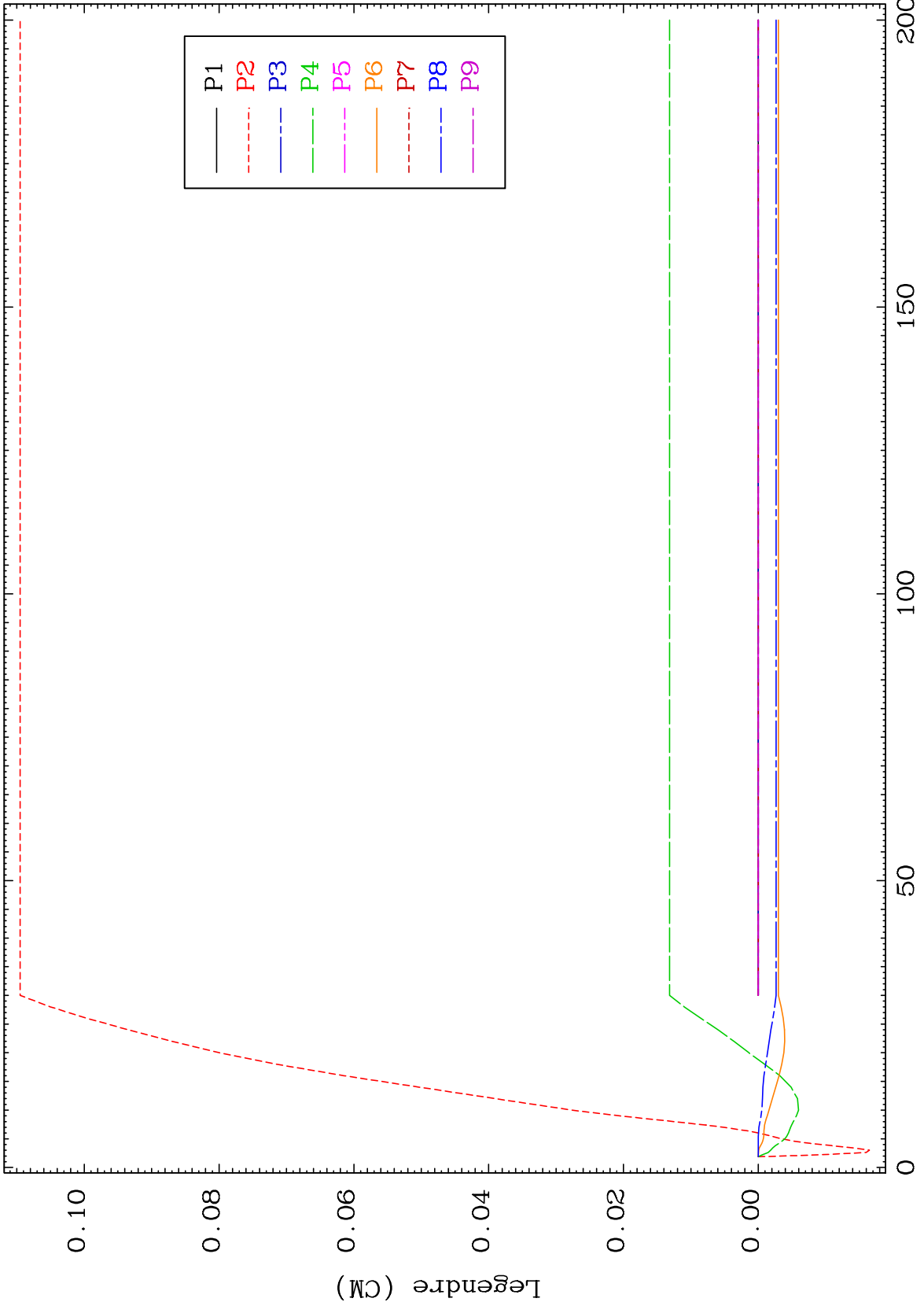


72

Incident Energy (MeV)

60-Nd-143

MAT 6028 MT= 66 (n,n') Level Legendre Coefficients 60-Nd-143

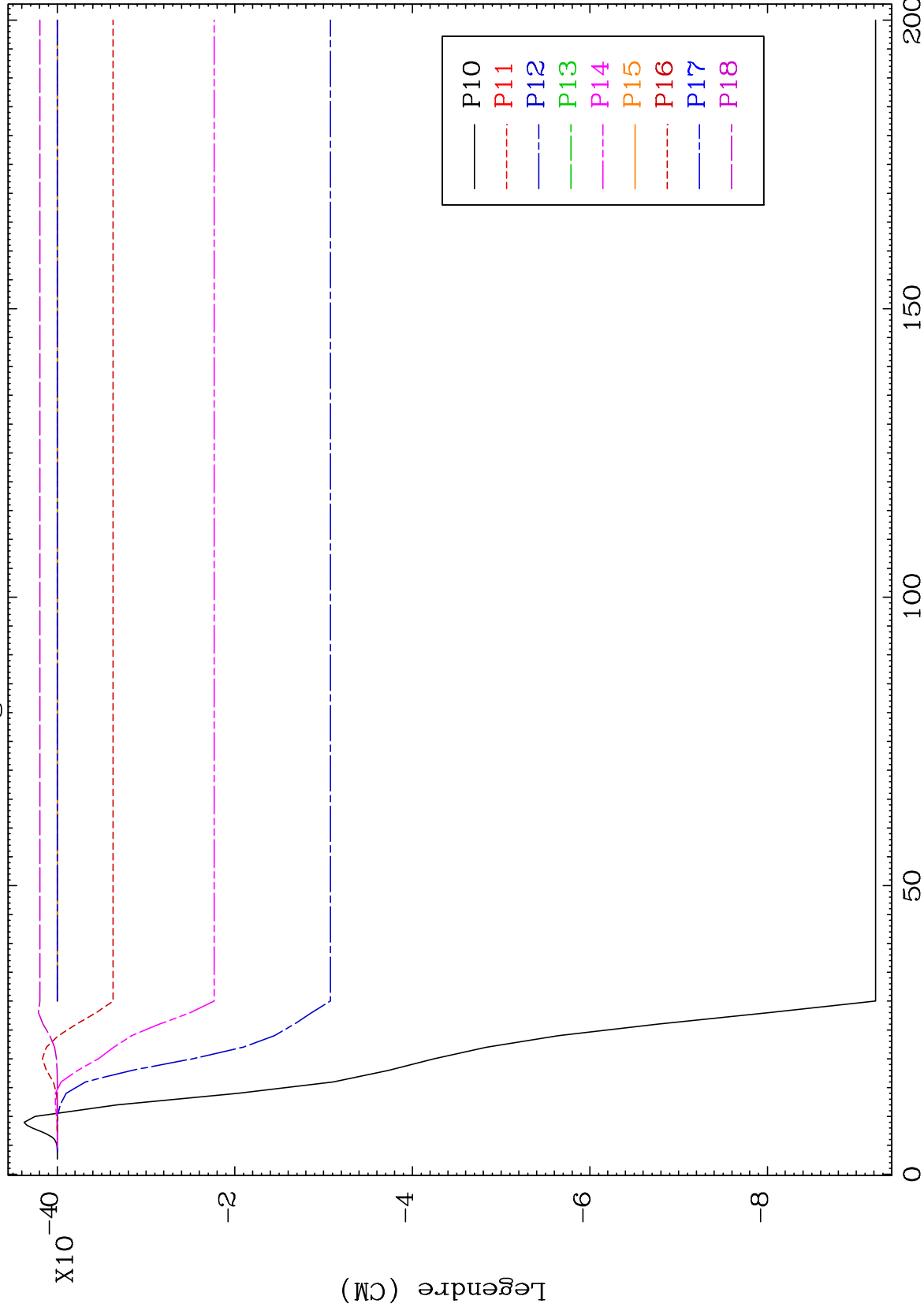


73 60-Nd-143

MAT 6028

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

60-Nd-143

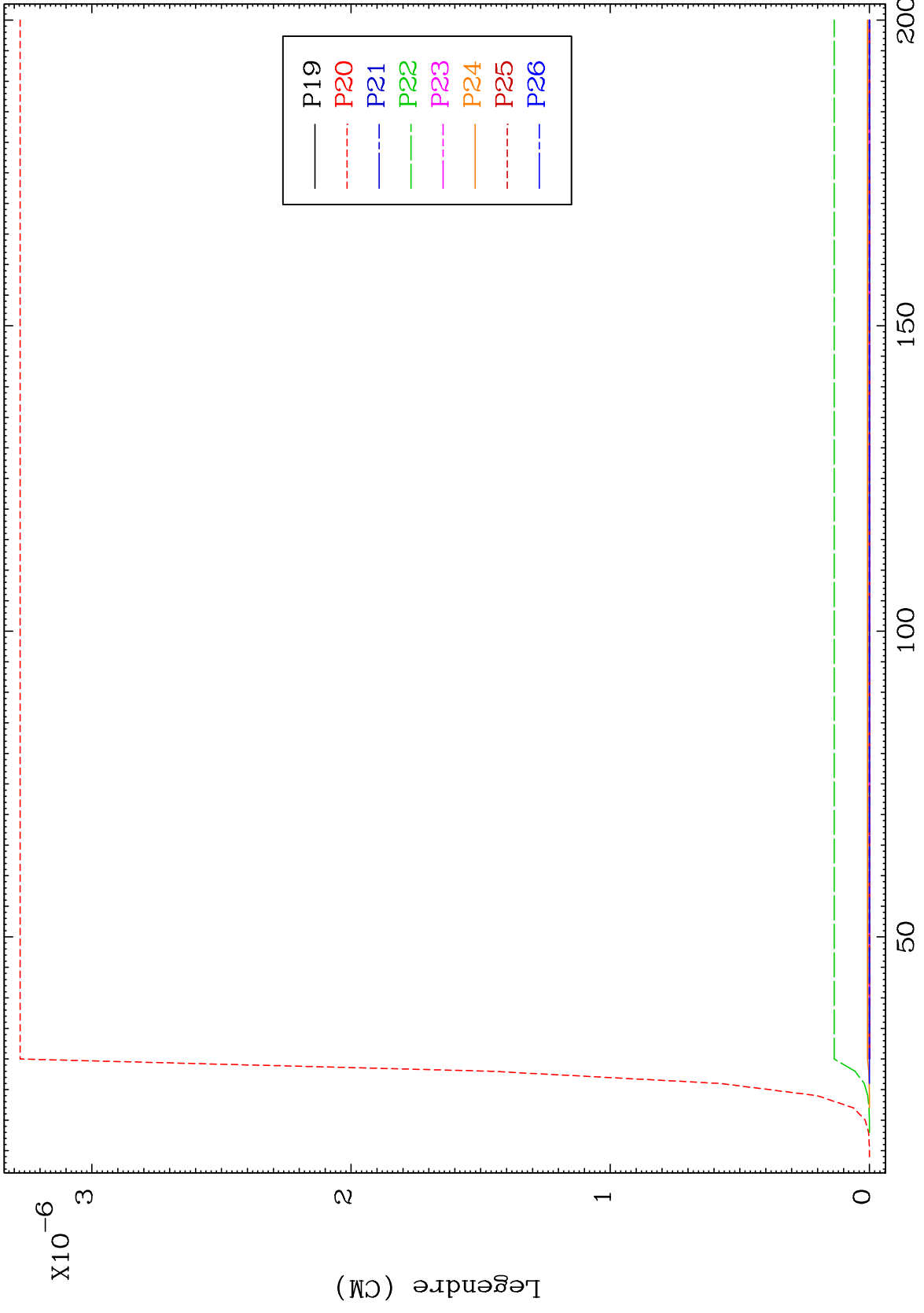


74

Incident Energy (MeV)

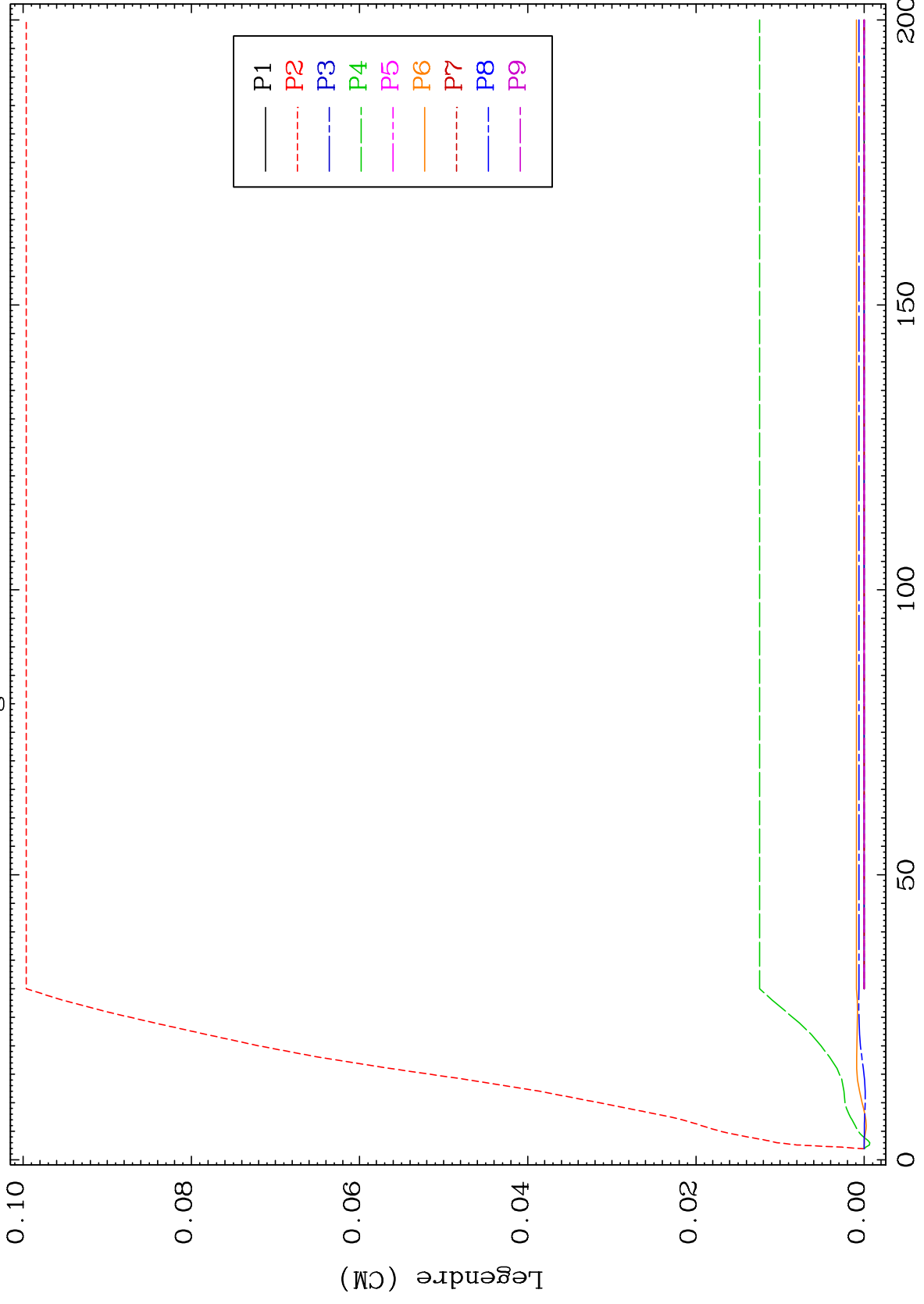
60-Nd-143

MAT 6028 MT= 66 (n,n') Level Legendre Coefficients 60-Nd-143



75 150 200 60-Nd-143

MAT 6028 MT= 67 (n,n') Level Legendre Coefficients 60-Nd-143

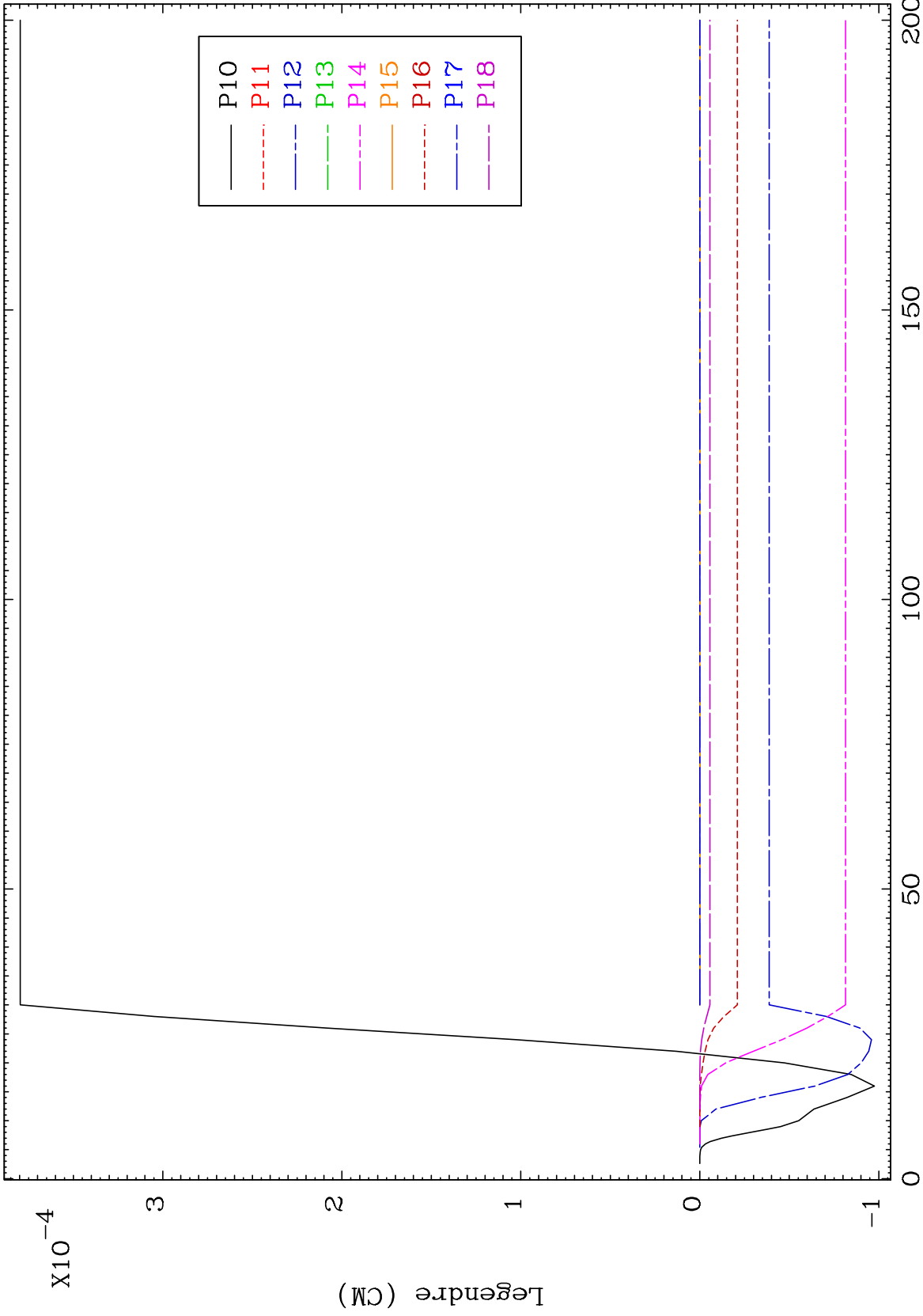


76 Incident Energy (MeV) 60-Nd-143

MAT 6028

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

60-Nd-143



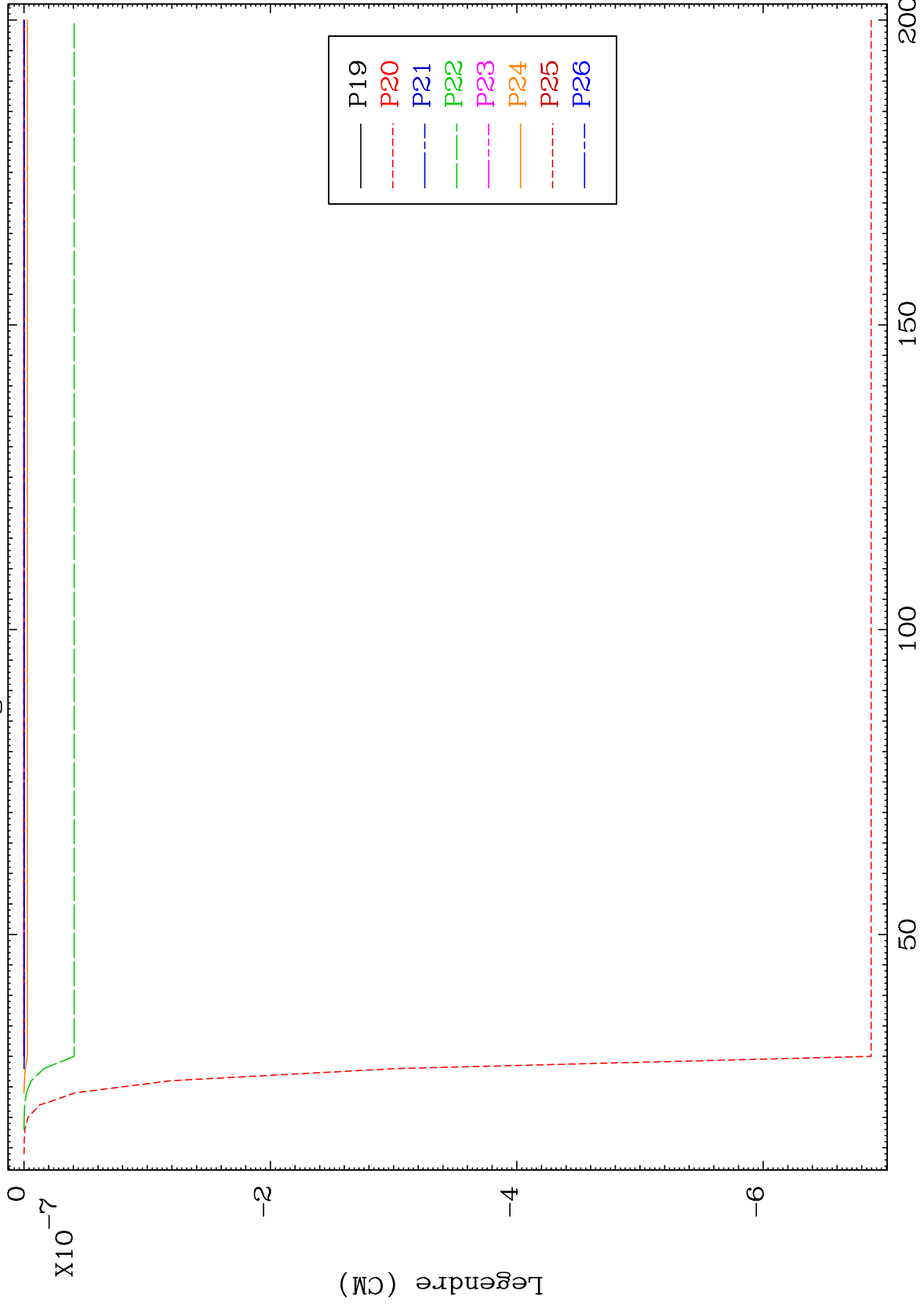
77

60-Nd-143

MAT 6028

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

60-Nd-143

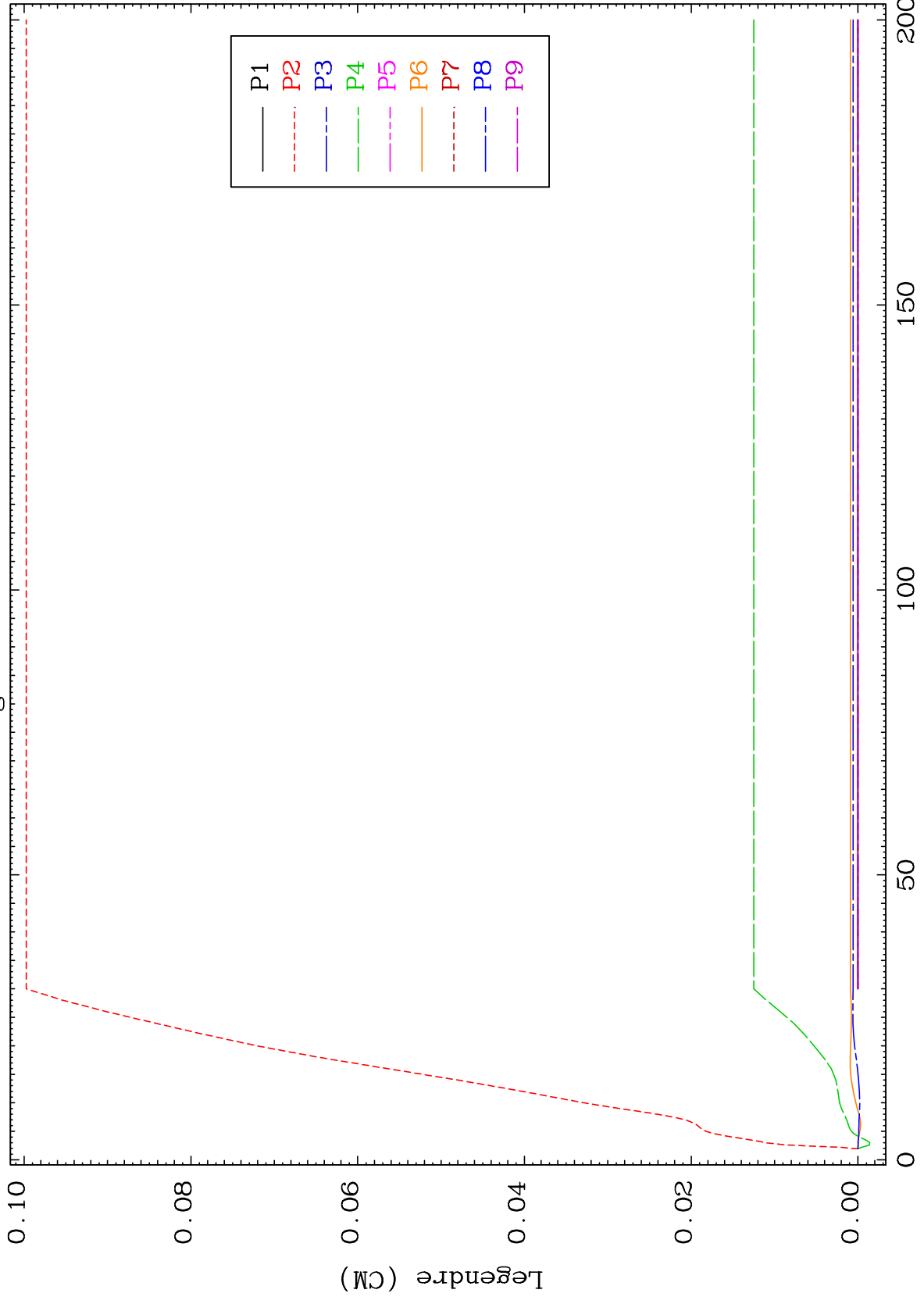


60-Nd-143

Incident Energy (MeV)

78

MAT 6028 MT= 68 (n,n') Level Legendre Coefficients 60-Nd-143

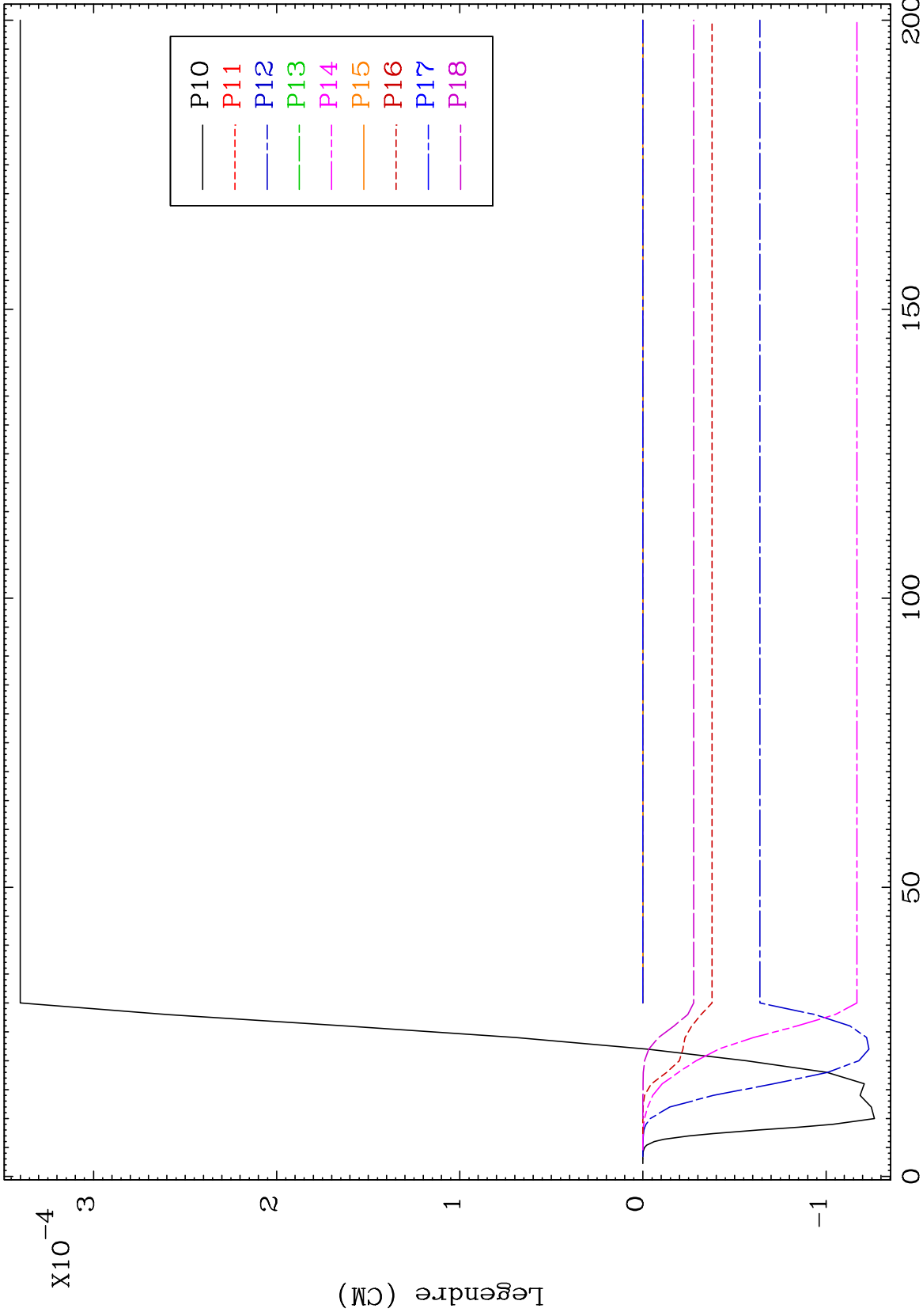


79 Incident Energy (MeV) 60-Nd-143

MAT 6028

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

60-Nd-143



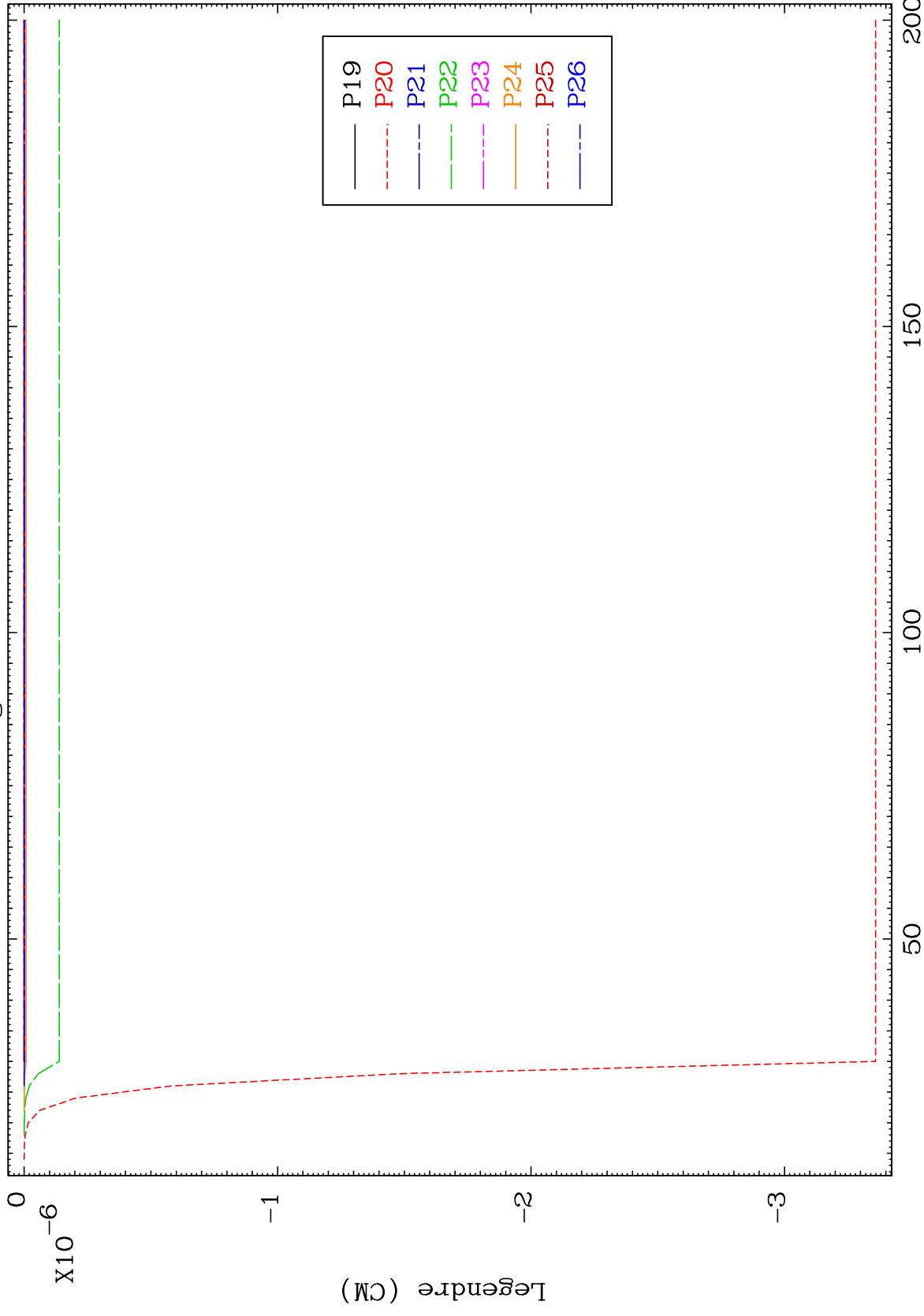
60-Nd-143

Incident Energy (MeV)

MAT 6028

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

60-Nd-143

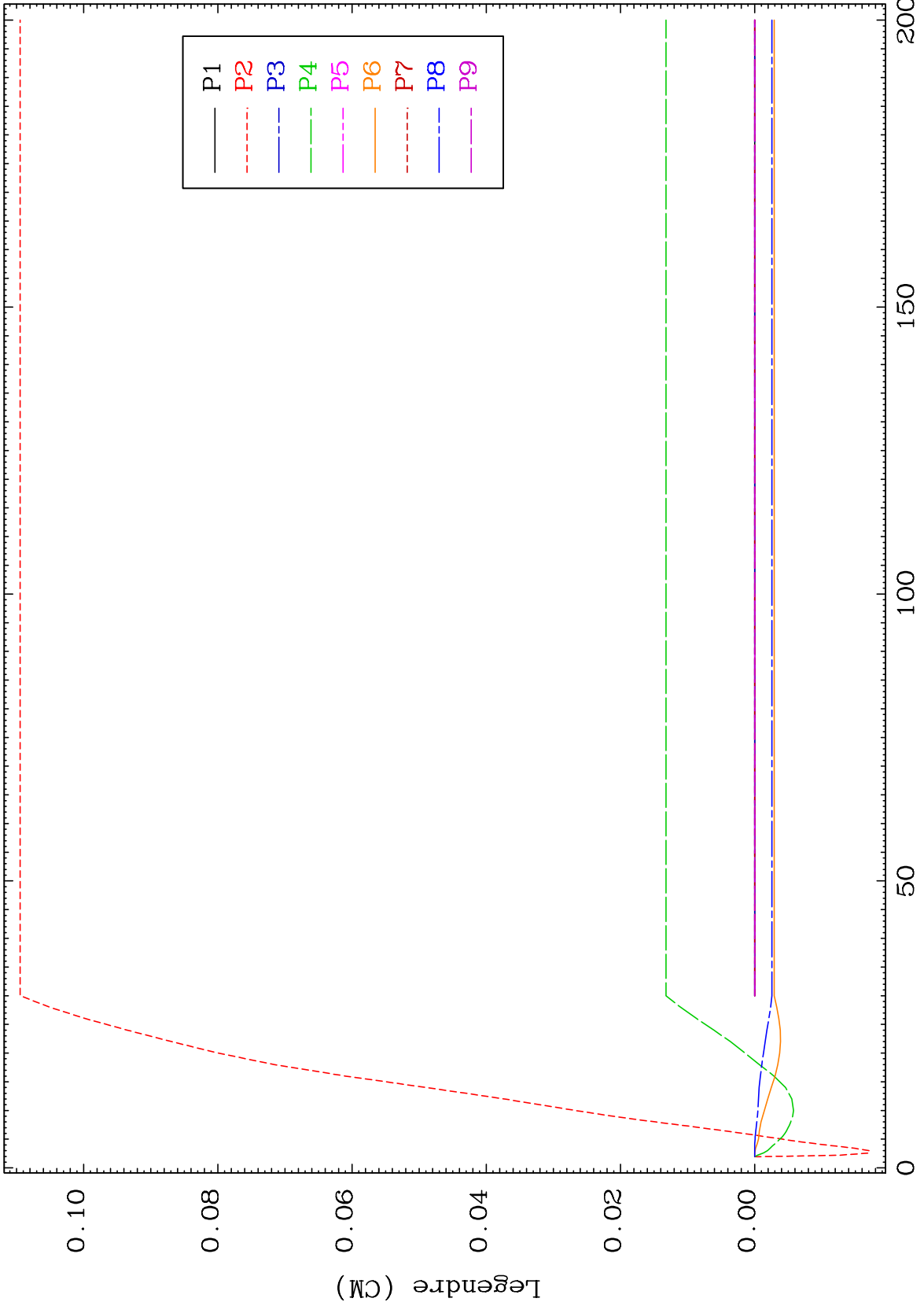


81

Incident Energy (MeV)

60-Nd-143

MAT 6028 MT= 69 (n,n') Level Legendre Coefficients 60-Nd-143

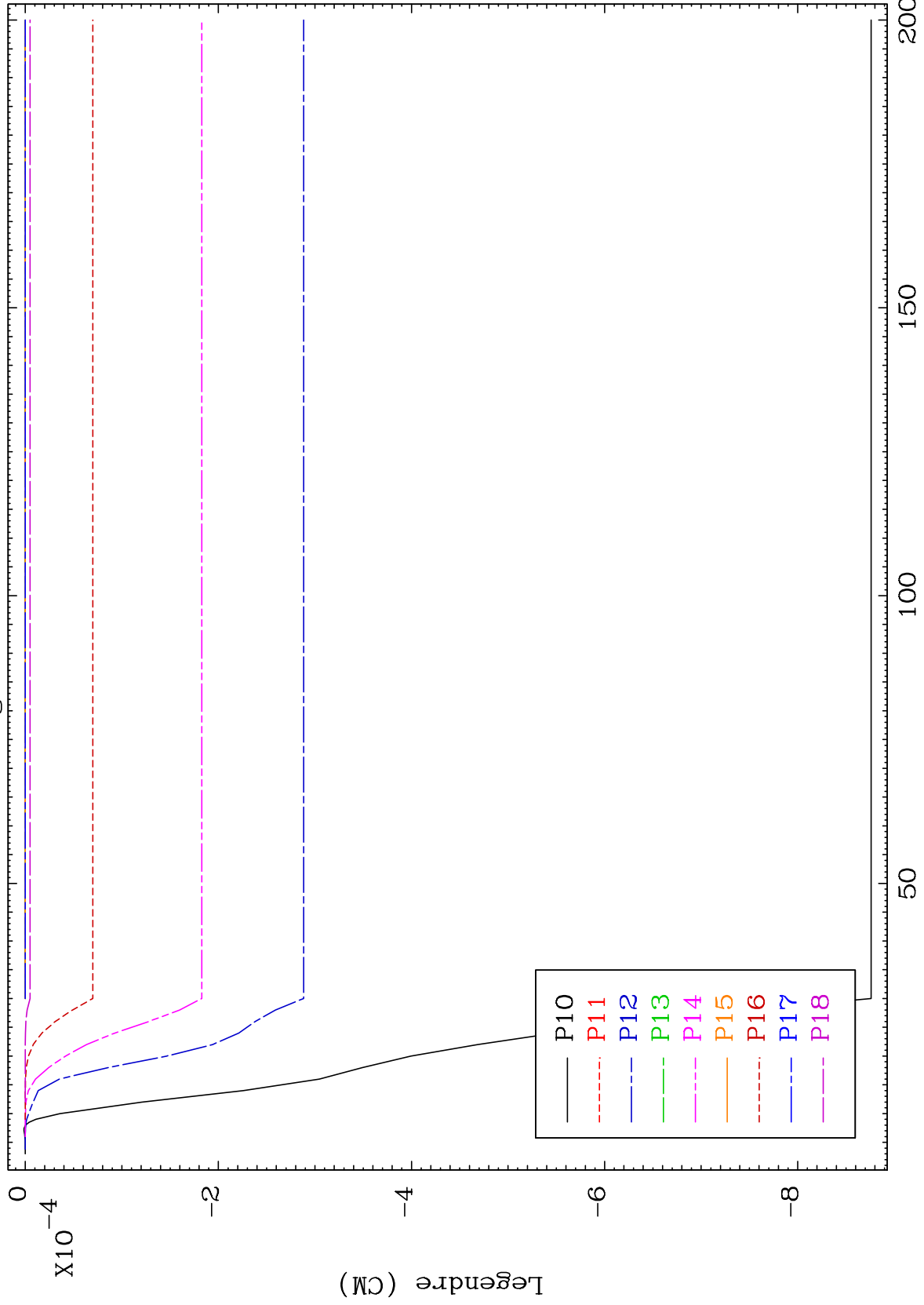


82 Incident Energy (MeV) 60-Nd-143

MAT 6028

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

60-Nd-143

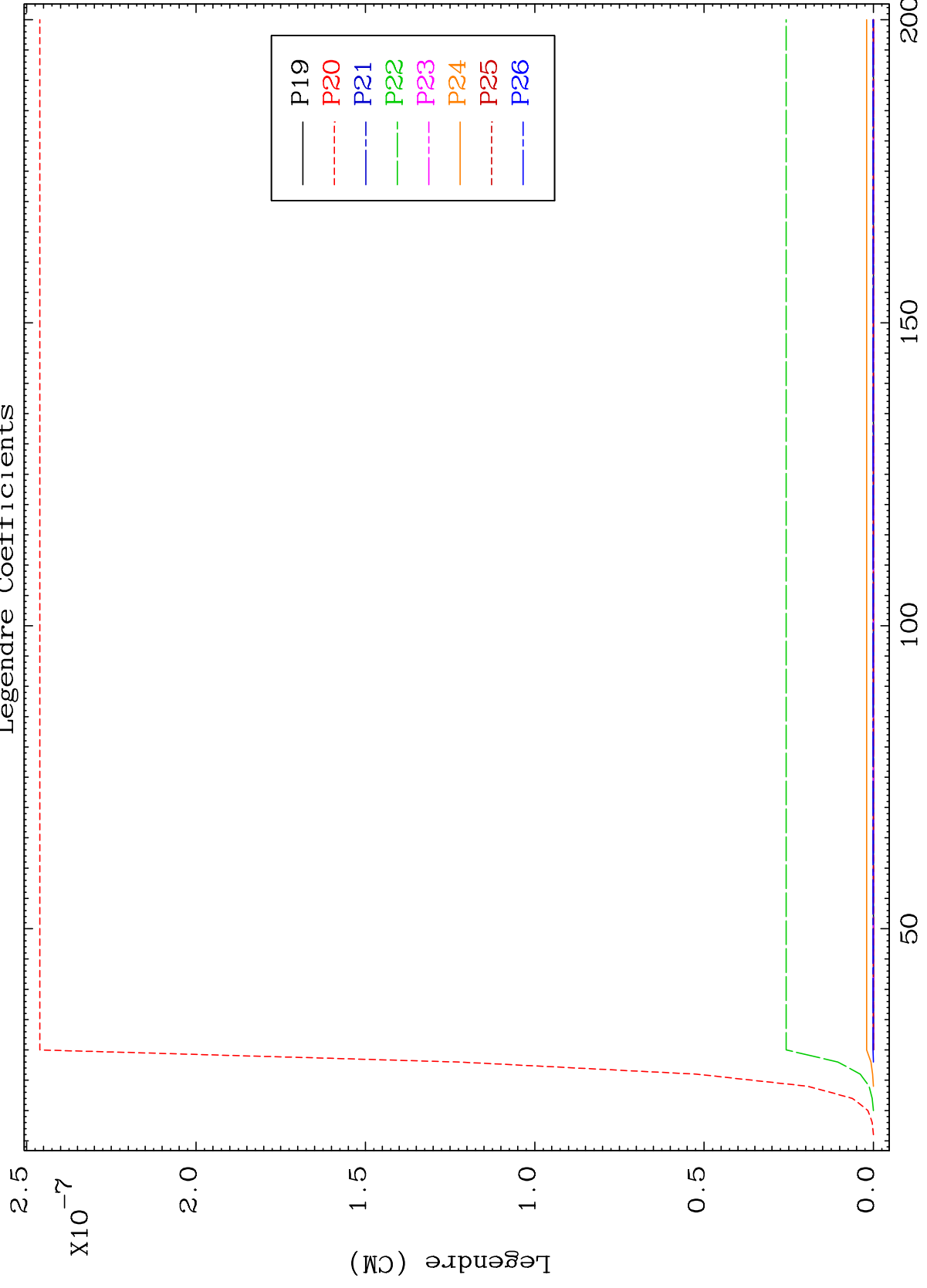


83

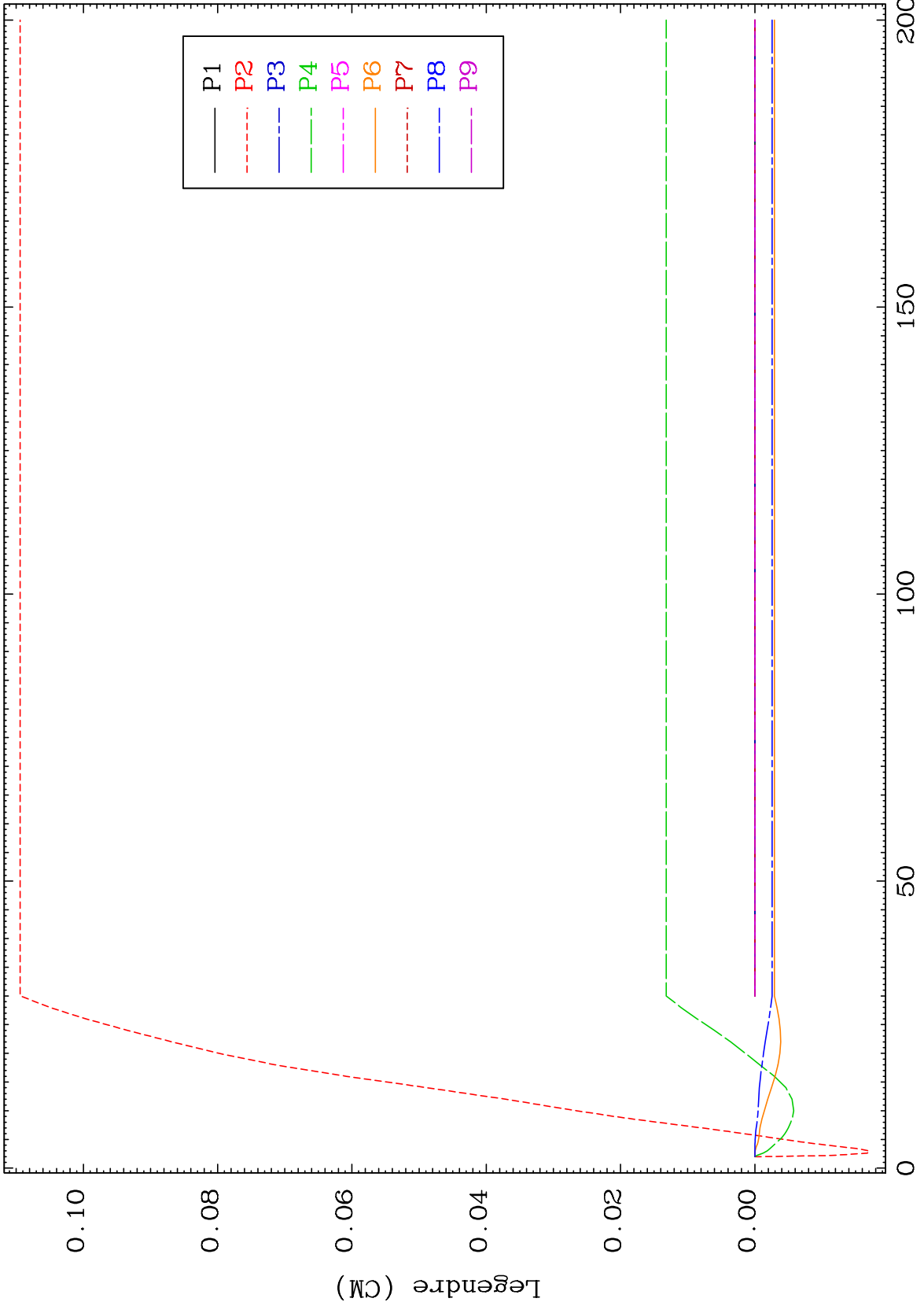
Incident Energy (MeV)

60-Nd-143

MAT 6028 MT= 69 (n,n') Level Legendre Coefficients 60-Nd-143



MAT 6028 MT= 70 (n,n') Level Legendre Coefficients 60-Nd-143

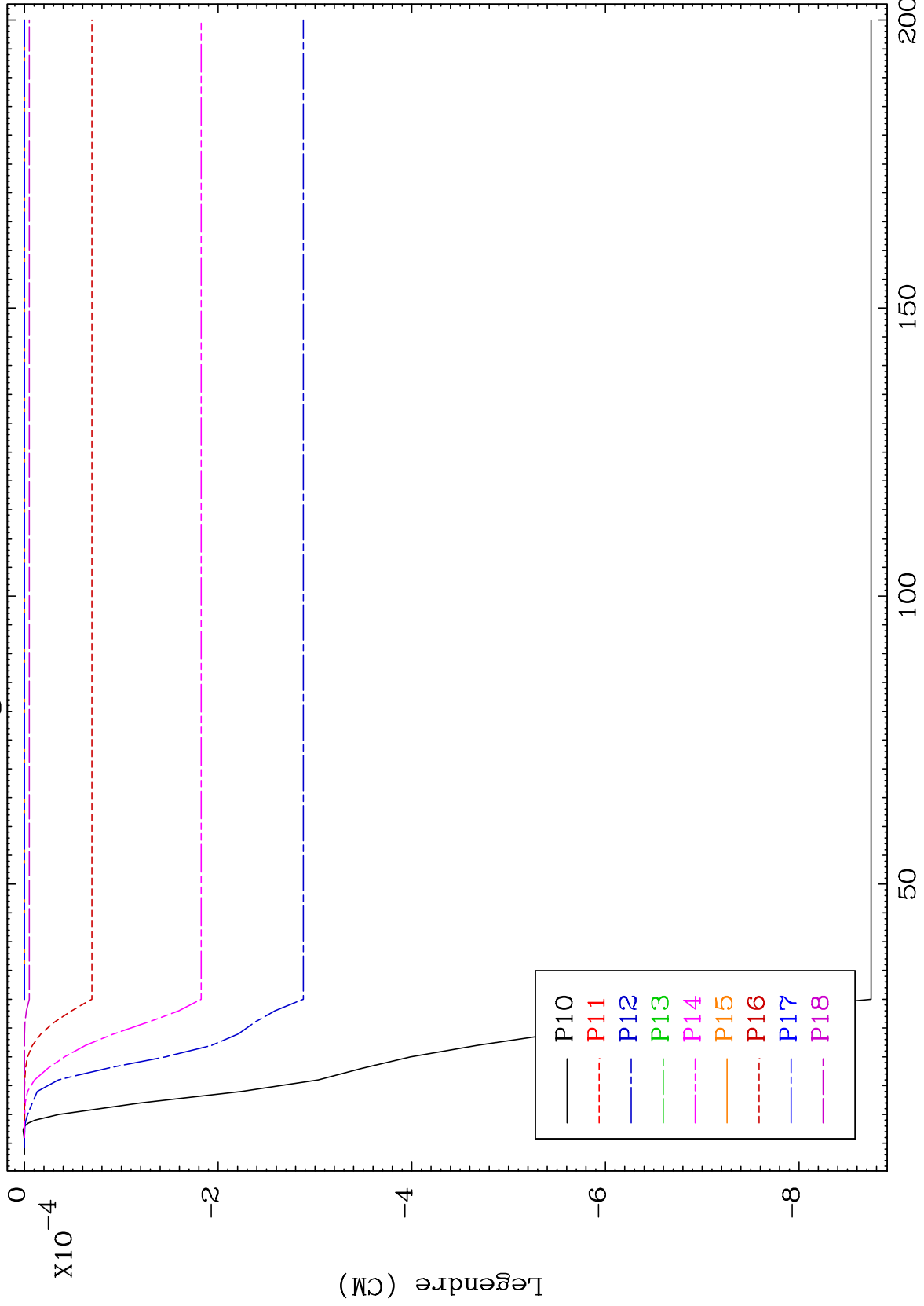


85 Incident Energy (MeV) 60-Nd-143

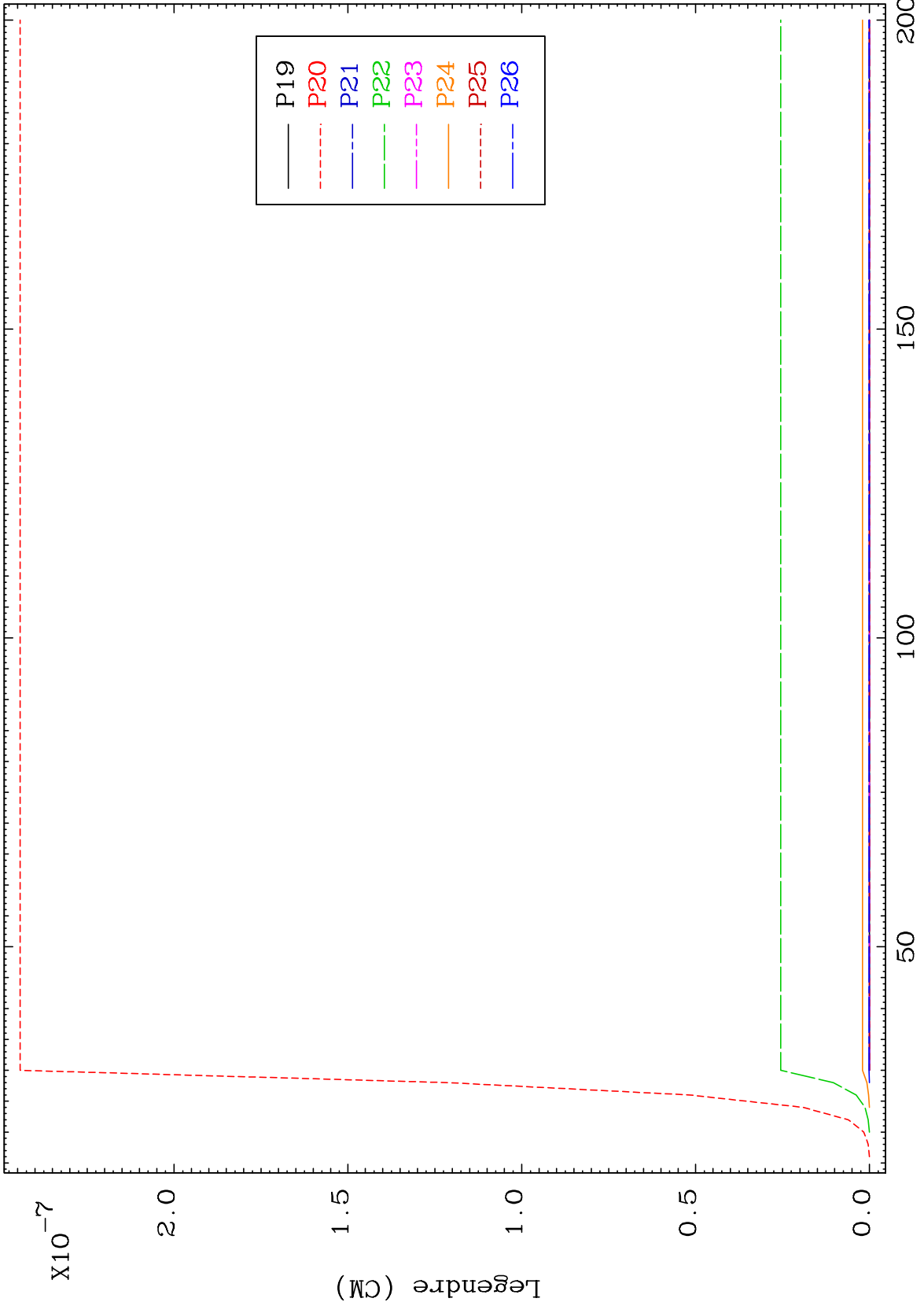
MAT 6028

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

60-Nd-143



MAT 6028 MT= 70 (n,n') Level Legendre Coefficients 60-Nd-143

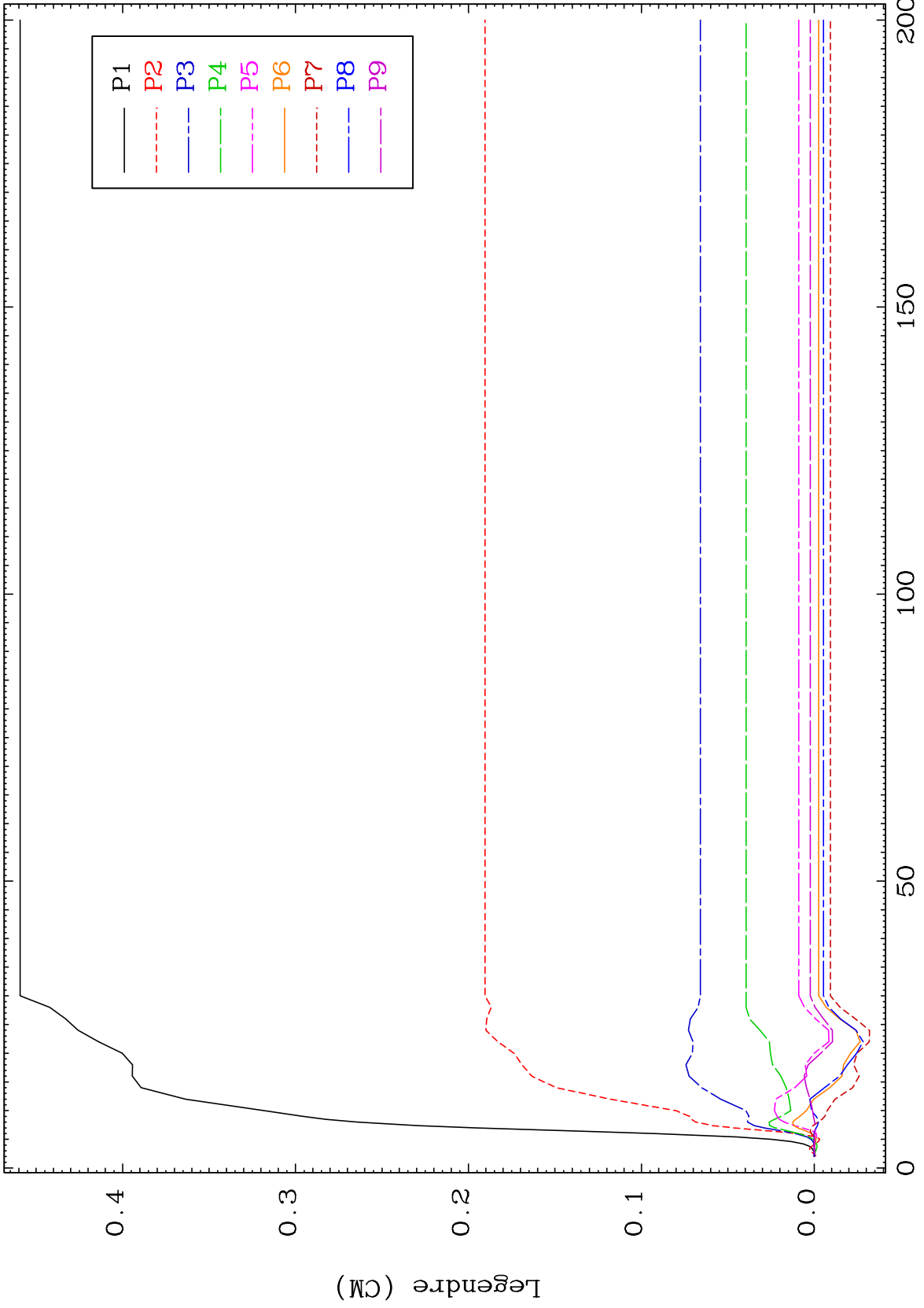


87 60-Nd-143

MAT 6028

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

60-Nd-143



88

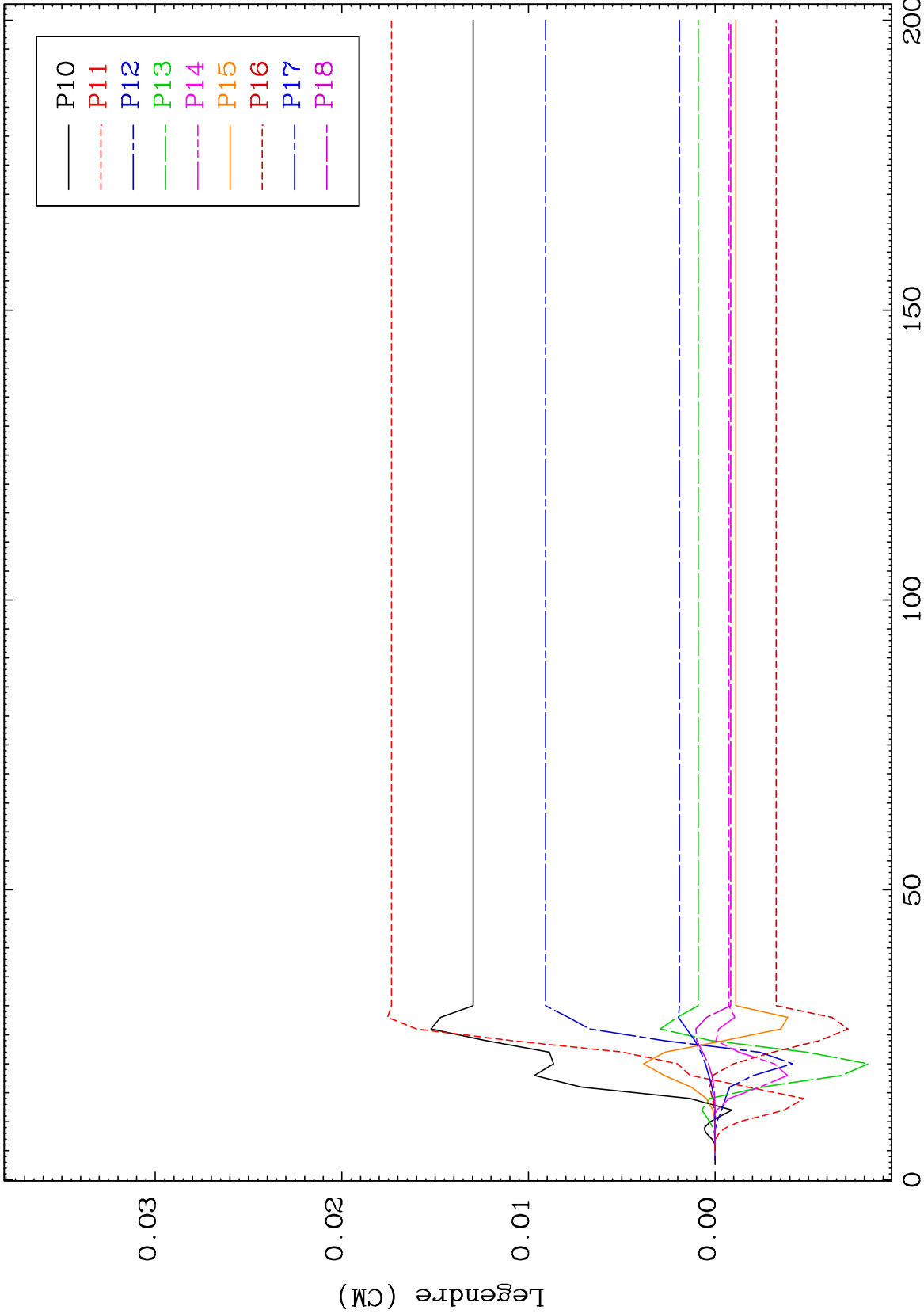
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



89

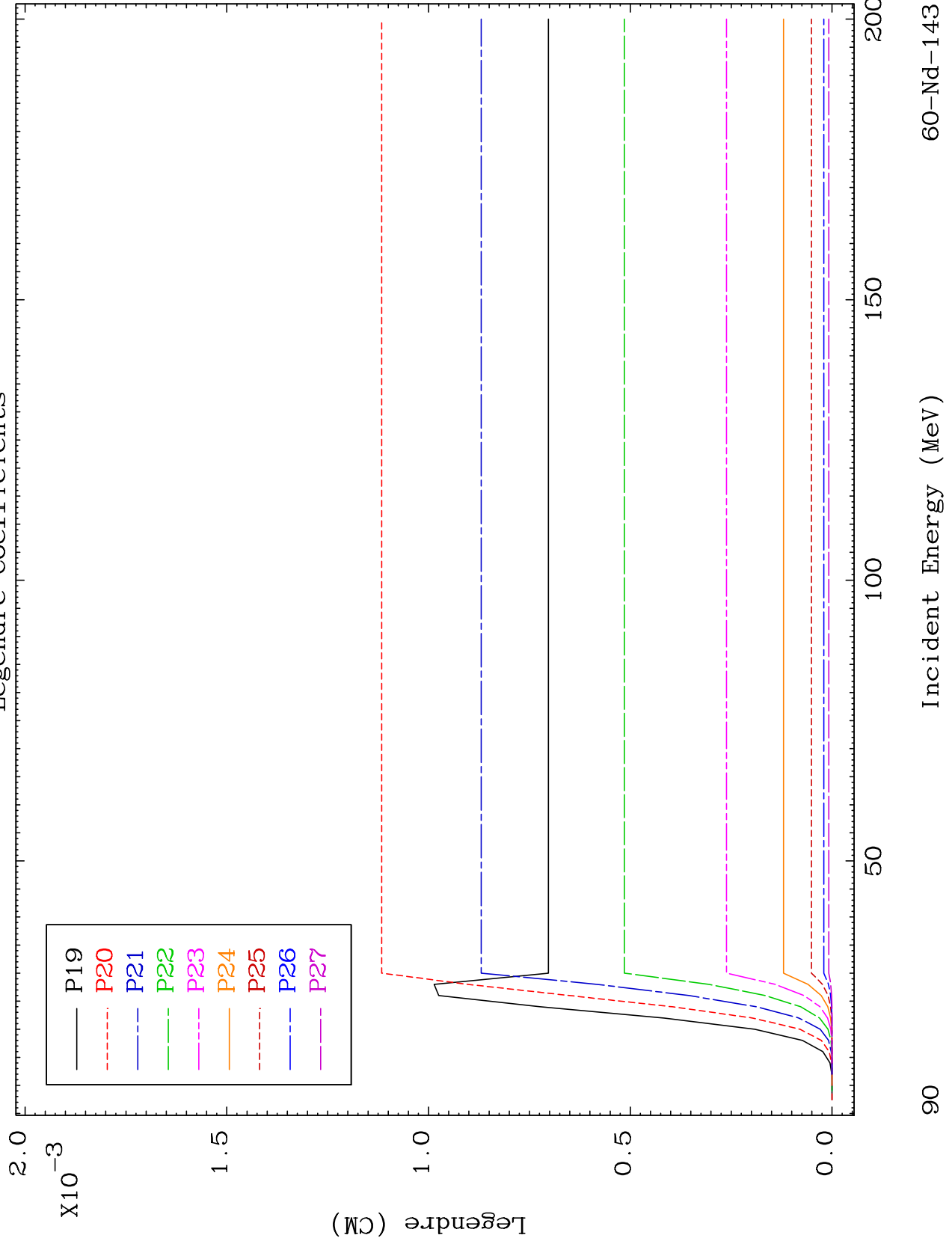
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

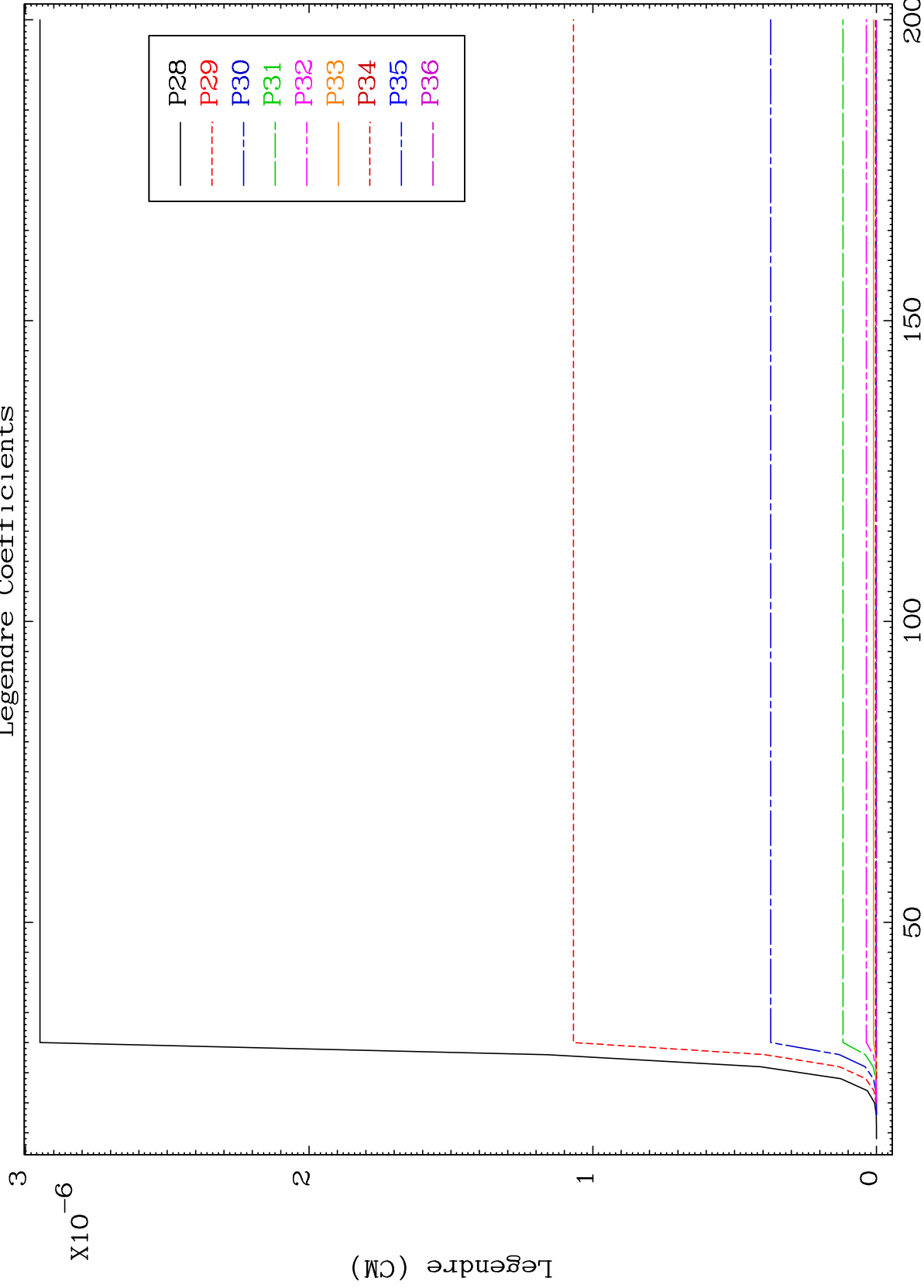
60-Nd-143



MAT 6028

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

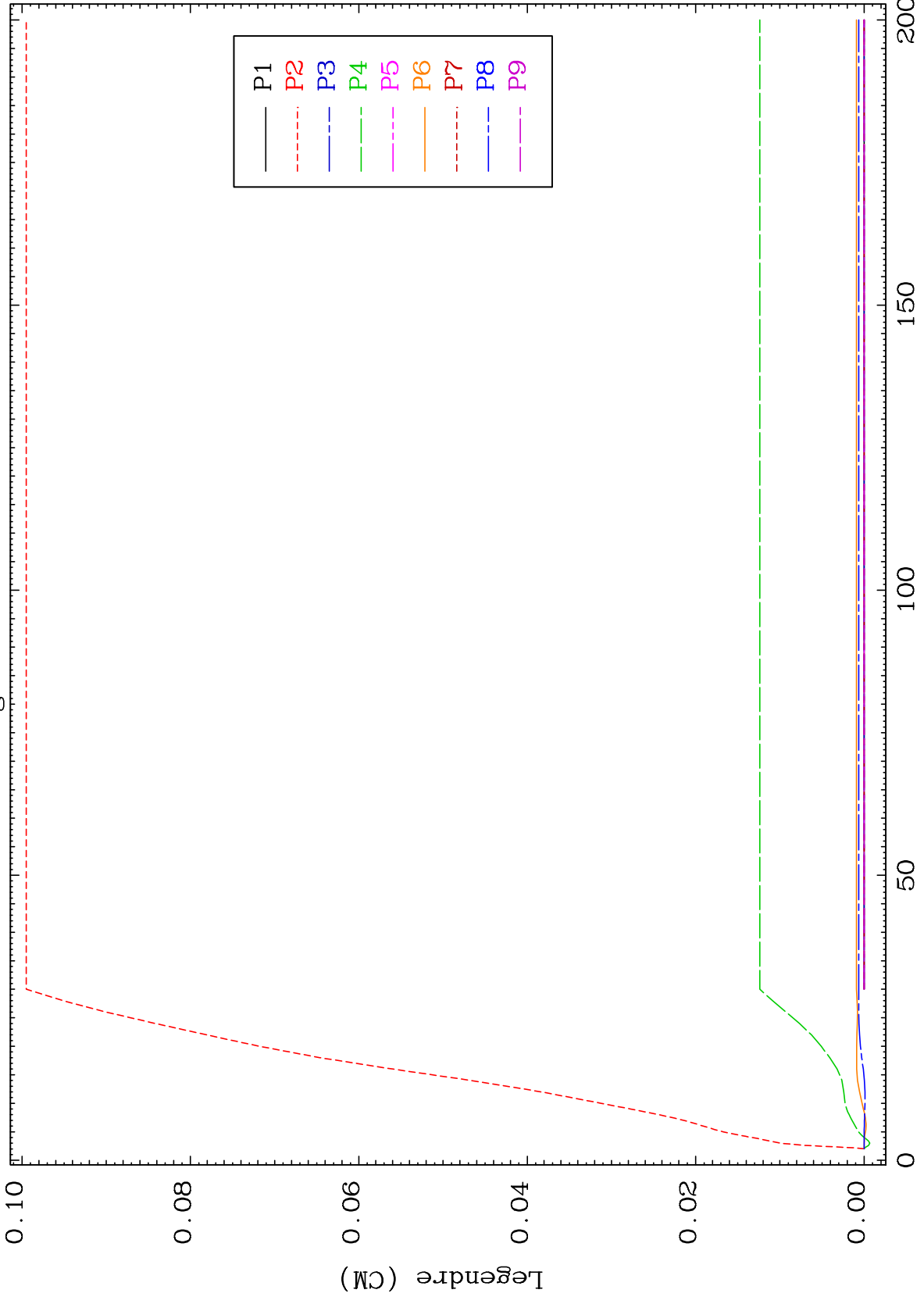
60-Nd-143



91

60-Nd-143

MAT 6028 MT= 72 (n,n') Level Legendre Coefficients 60-Nd-143

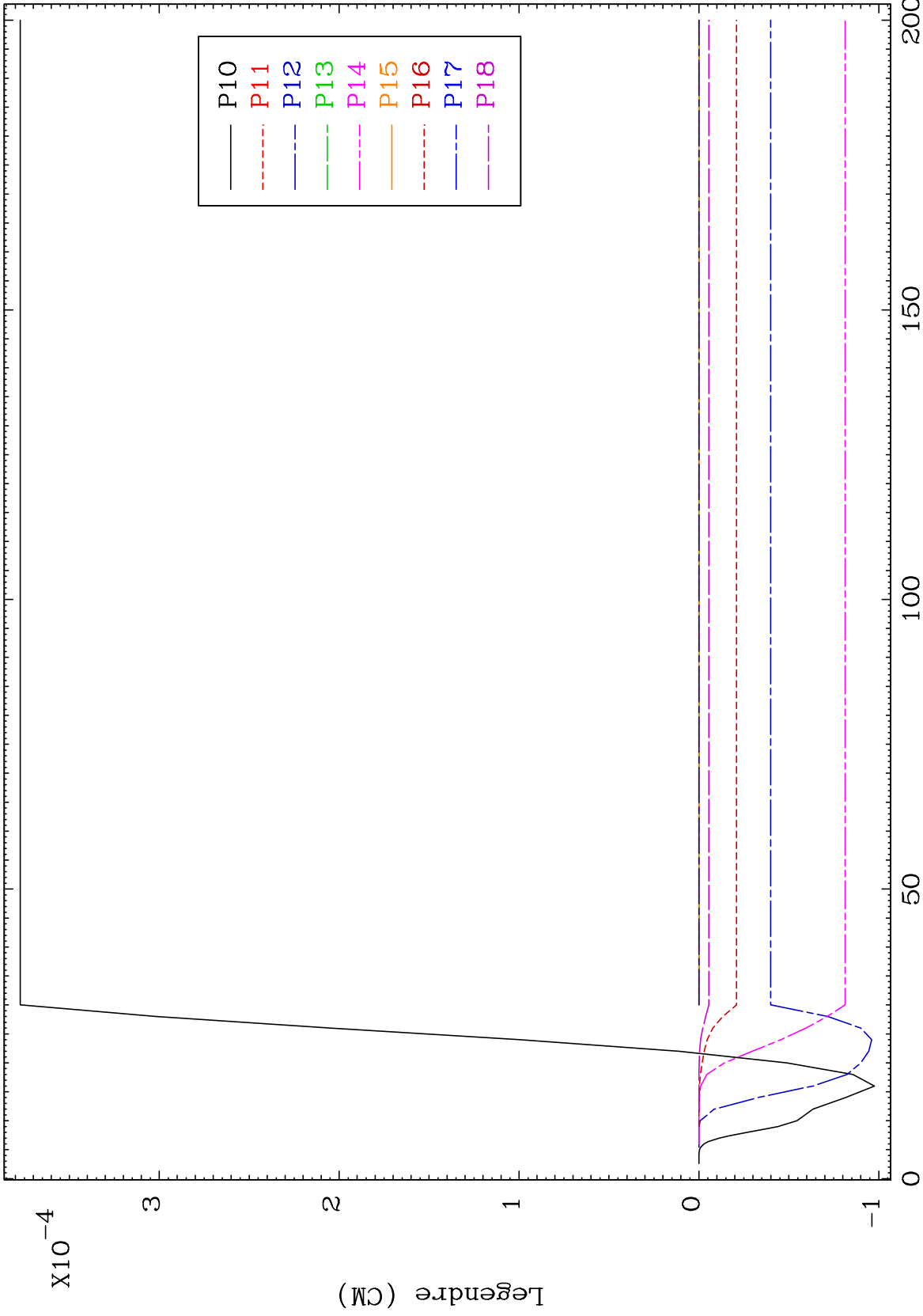


92 60-Nd-143

MAT 6028

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

60-Nd-143



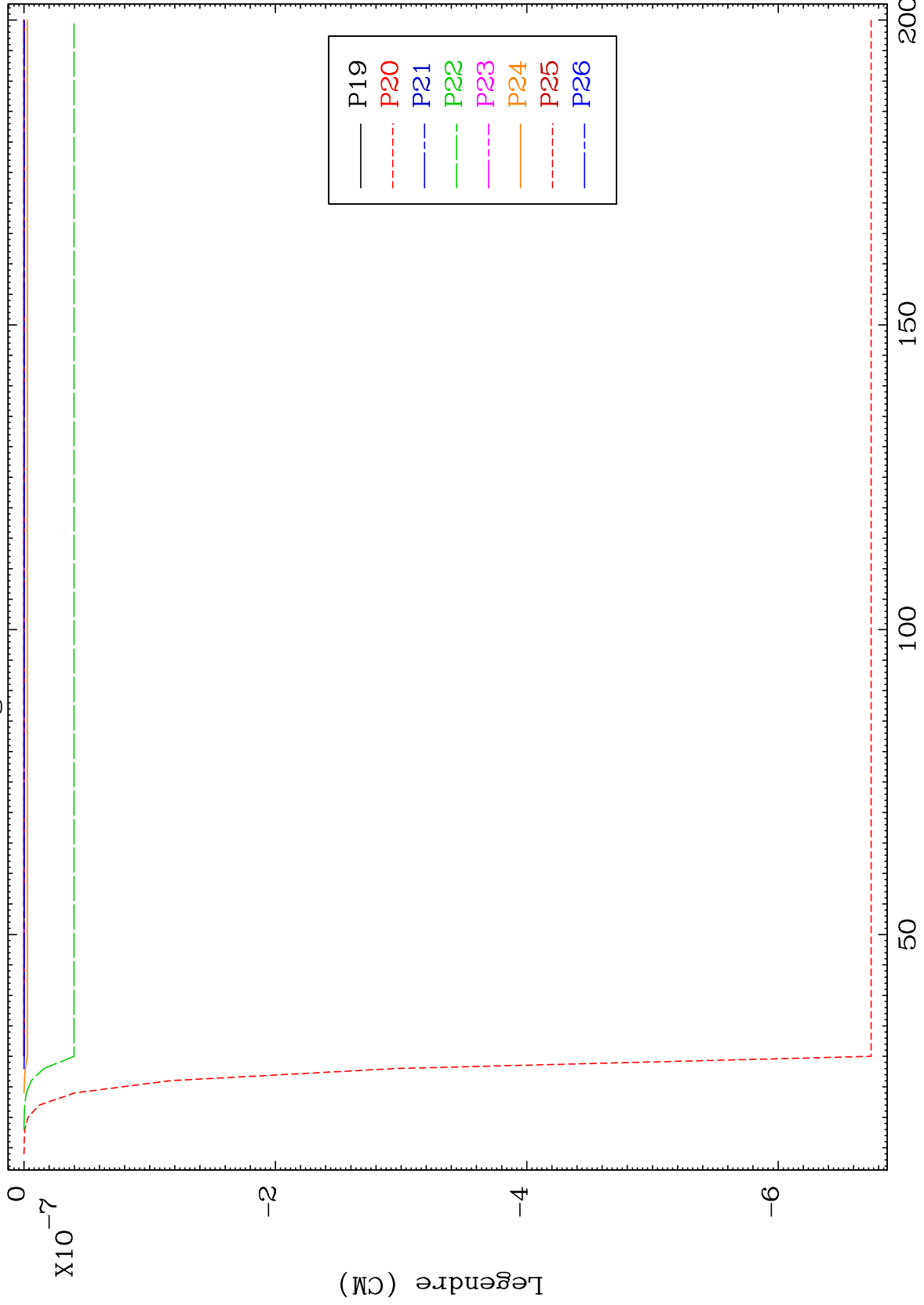
93

60-Nd-143

MAT 6028

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

60-Nd-143



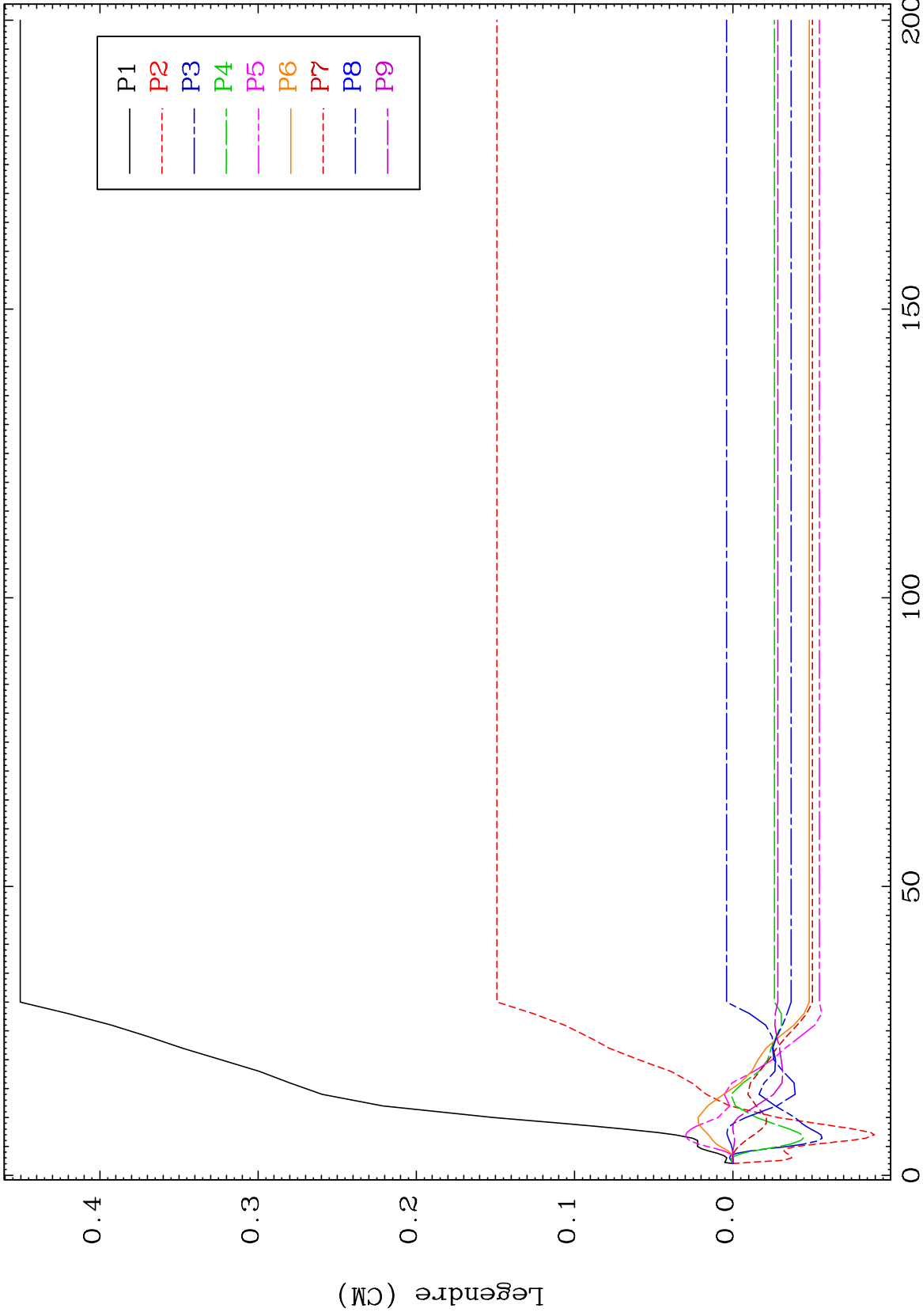
94

60-Nd-143

MAT 6028

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

60-Nd-143



95

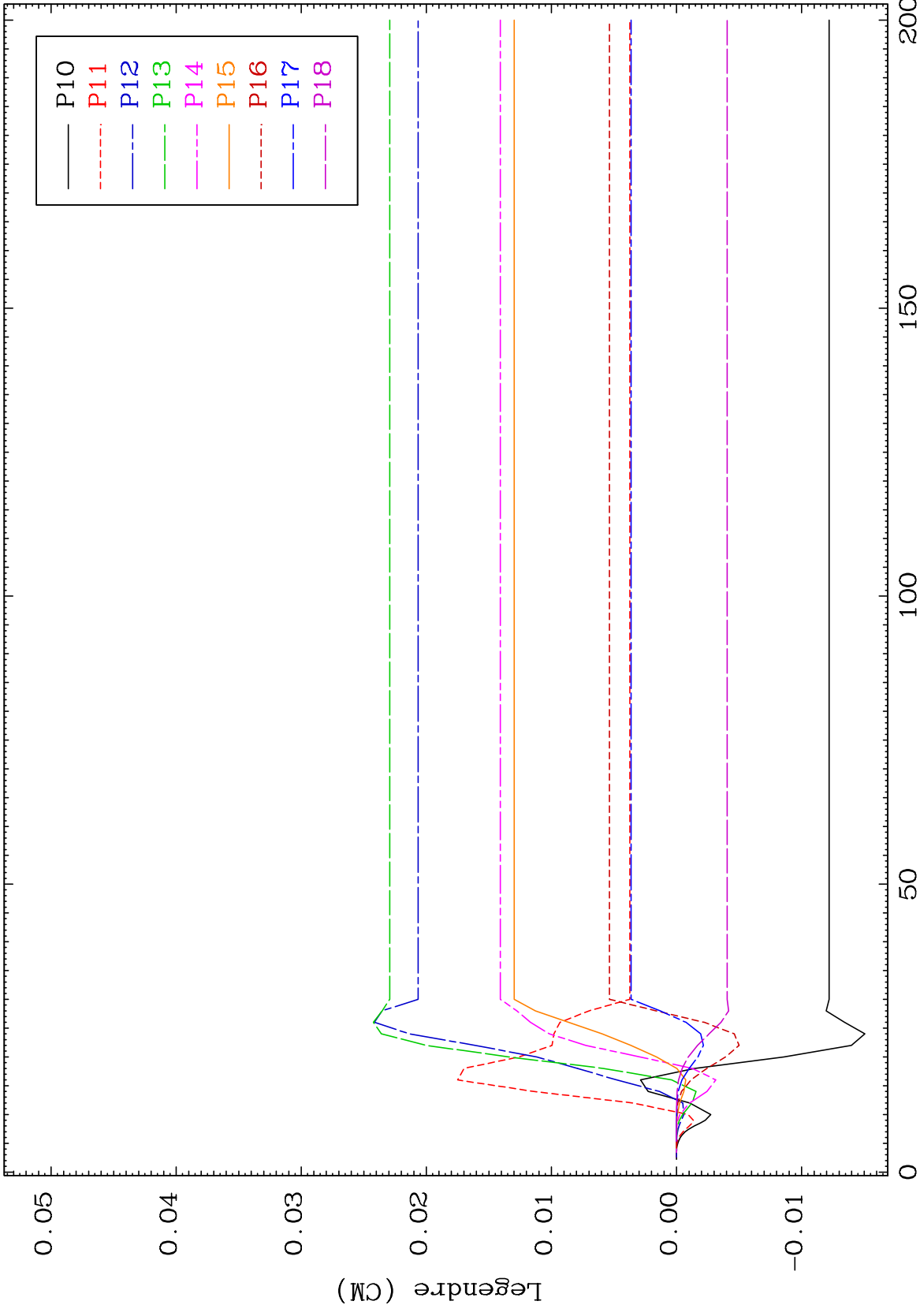
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



96

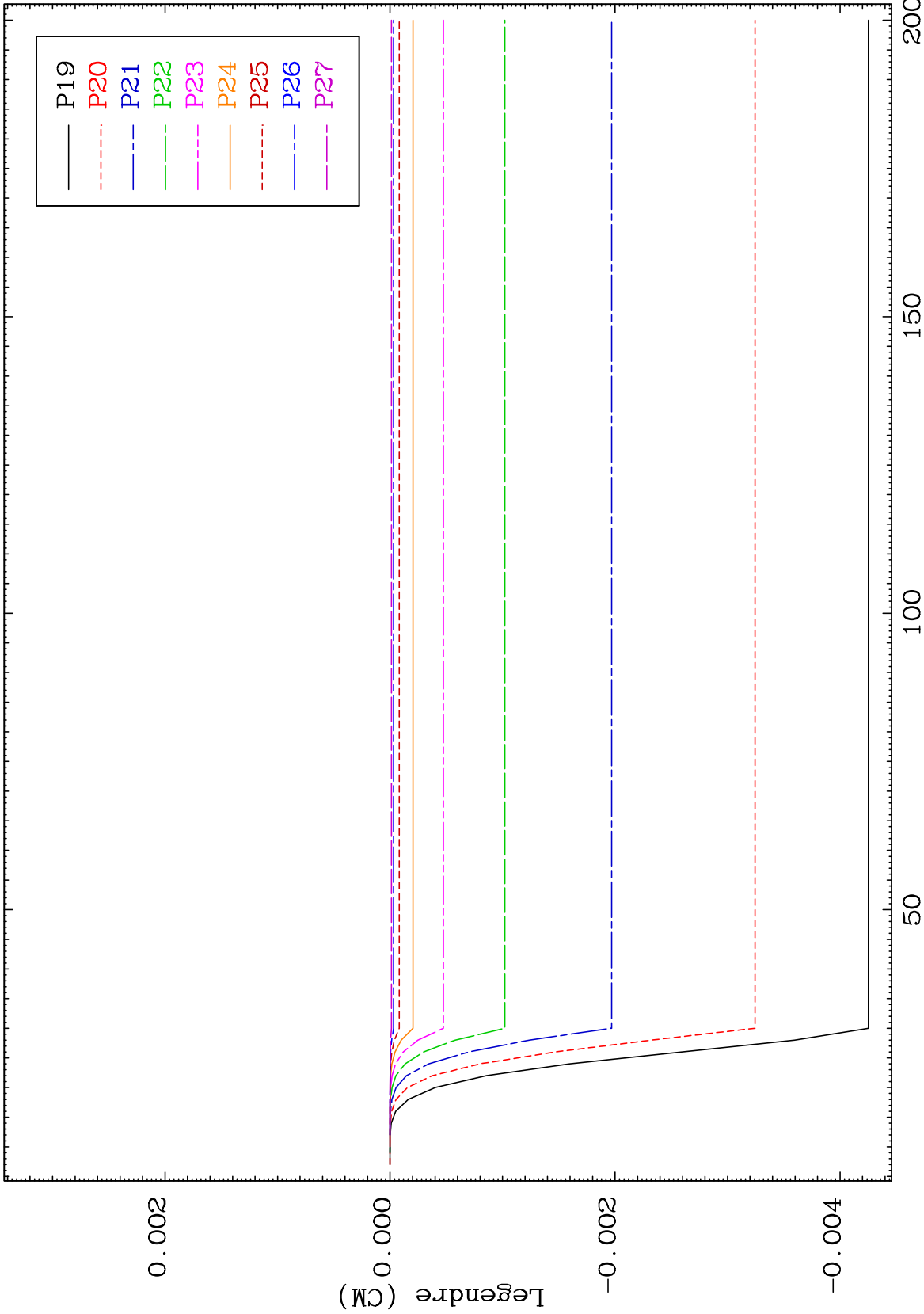
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



97

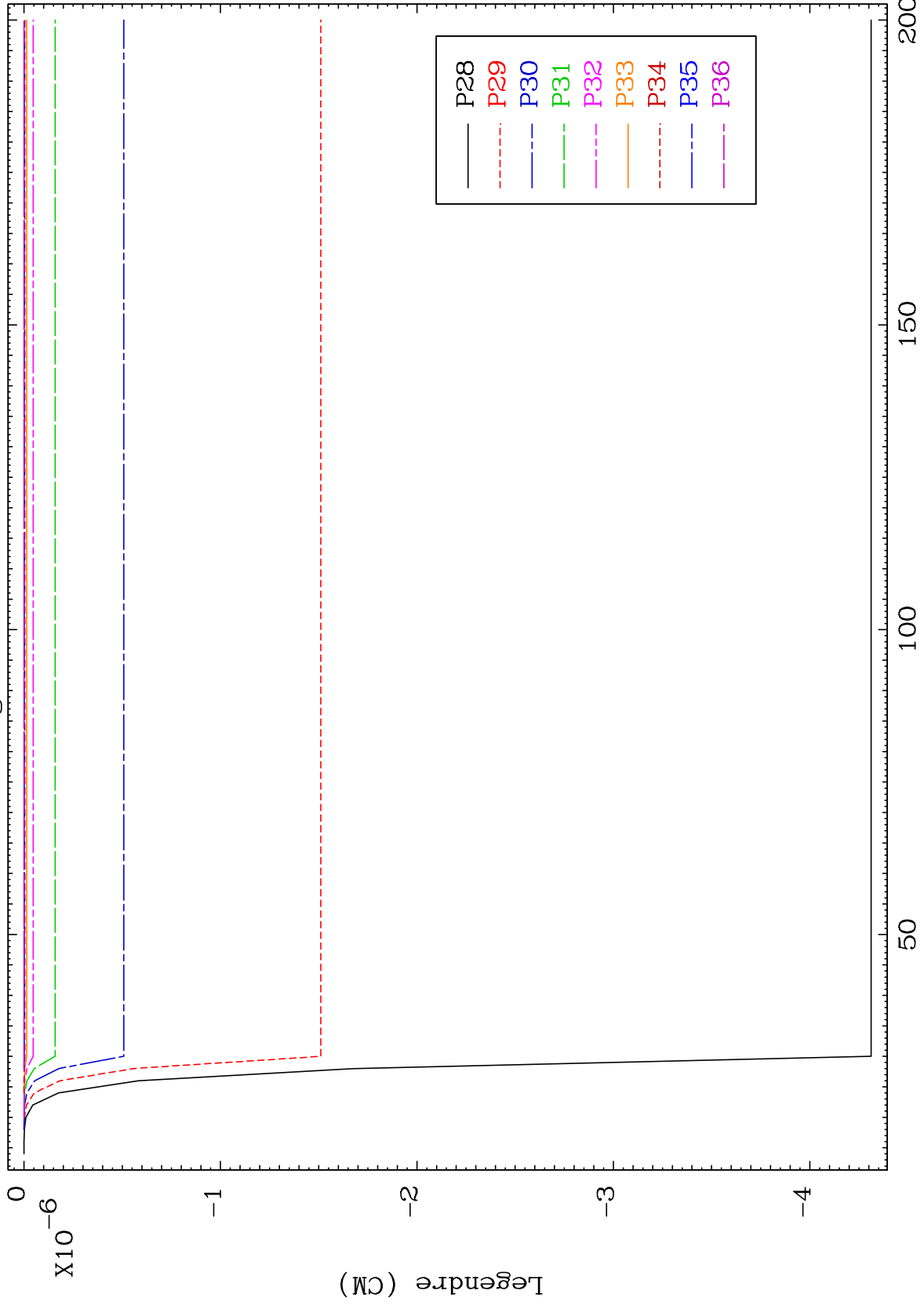
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



98

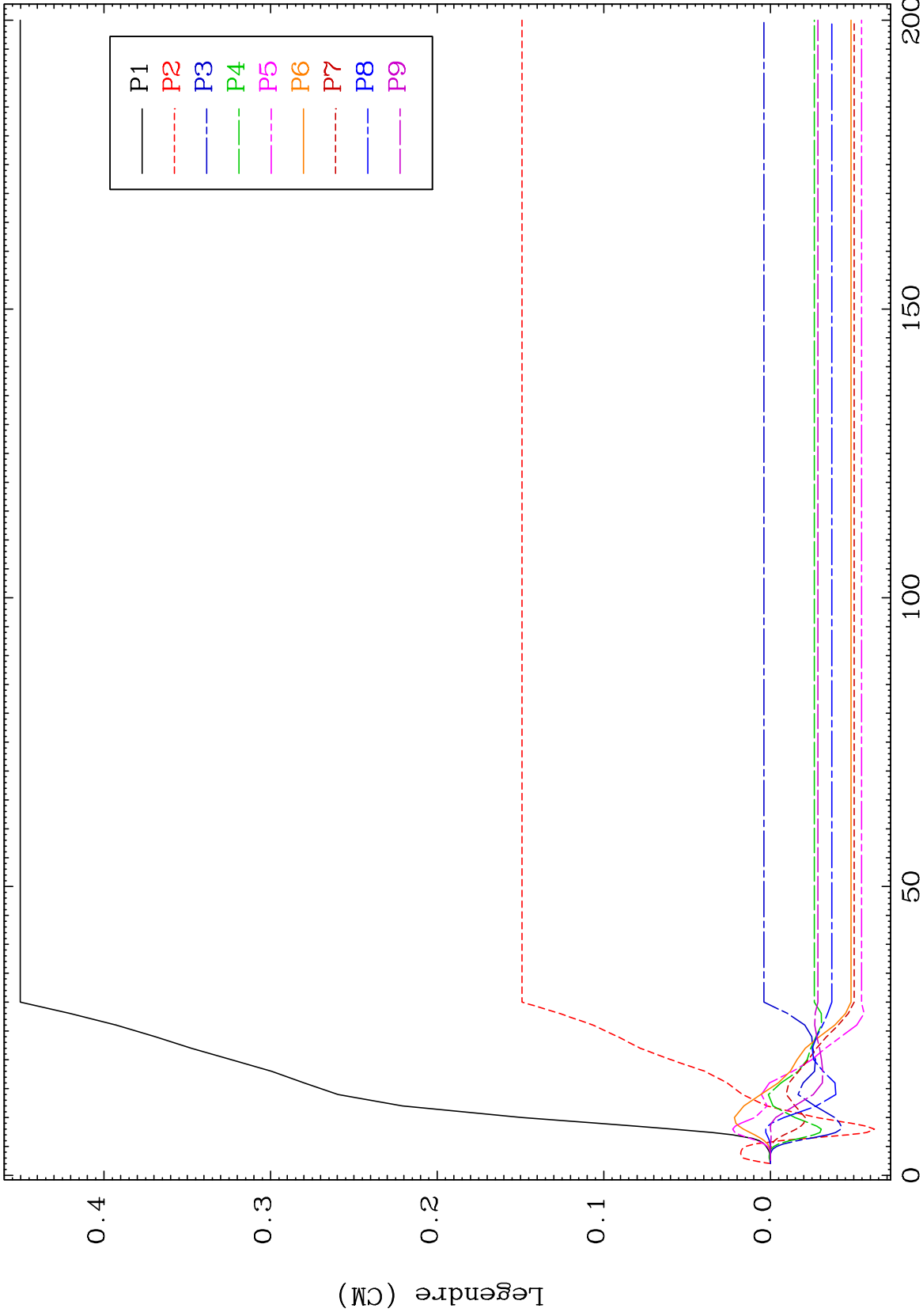
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



99

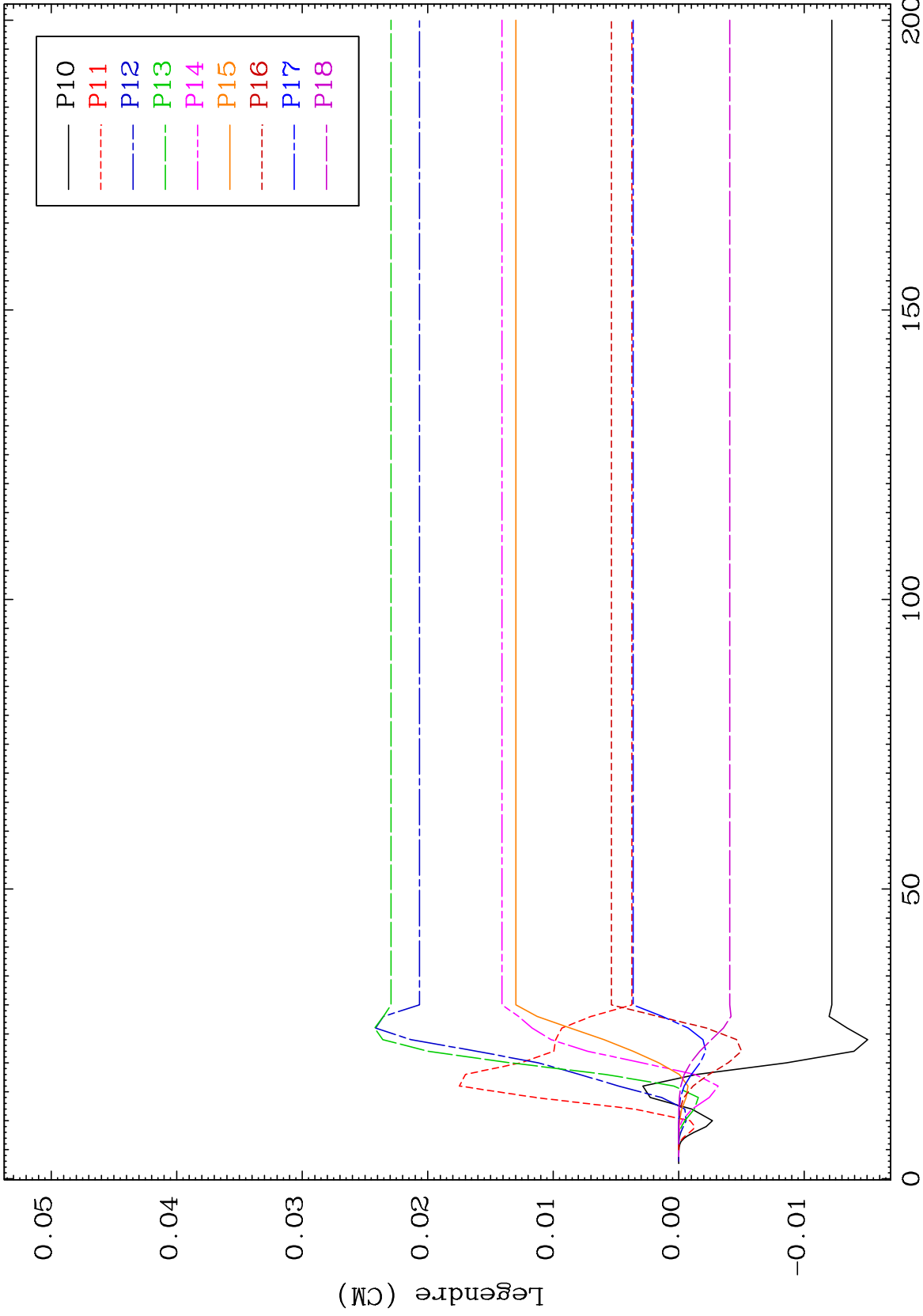
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



60-Nd-143

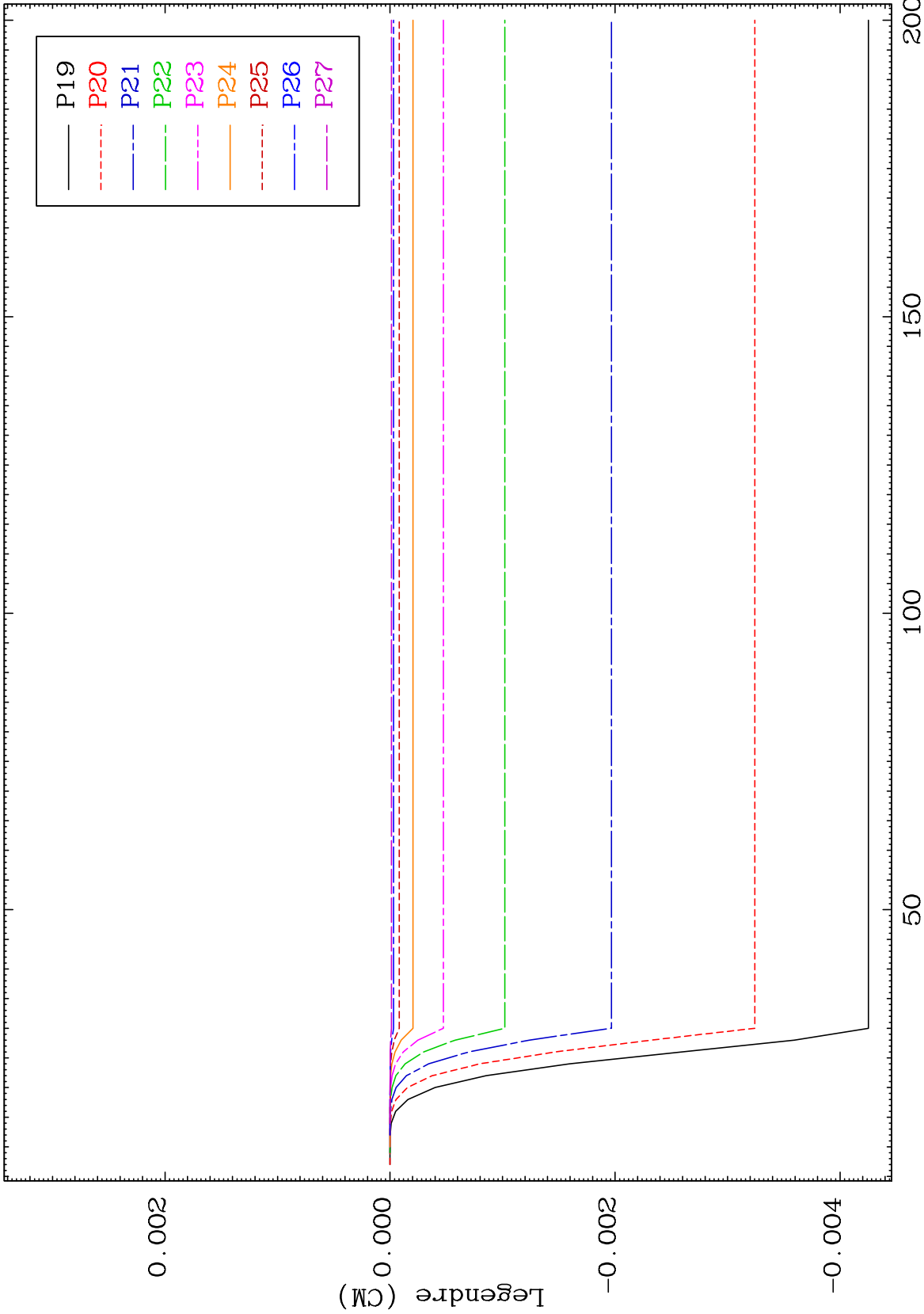
Incident Energy (MeV)

Legendre (CM)

MAT 6028

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

60-Nd-143



101

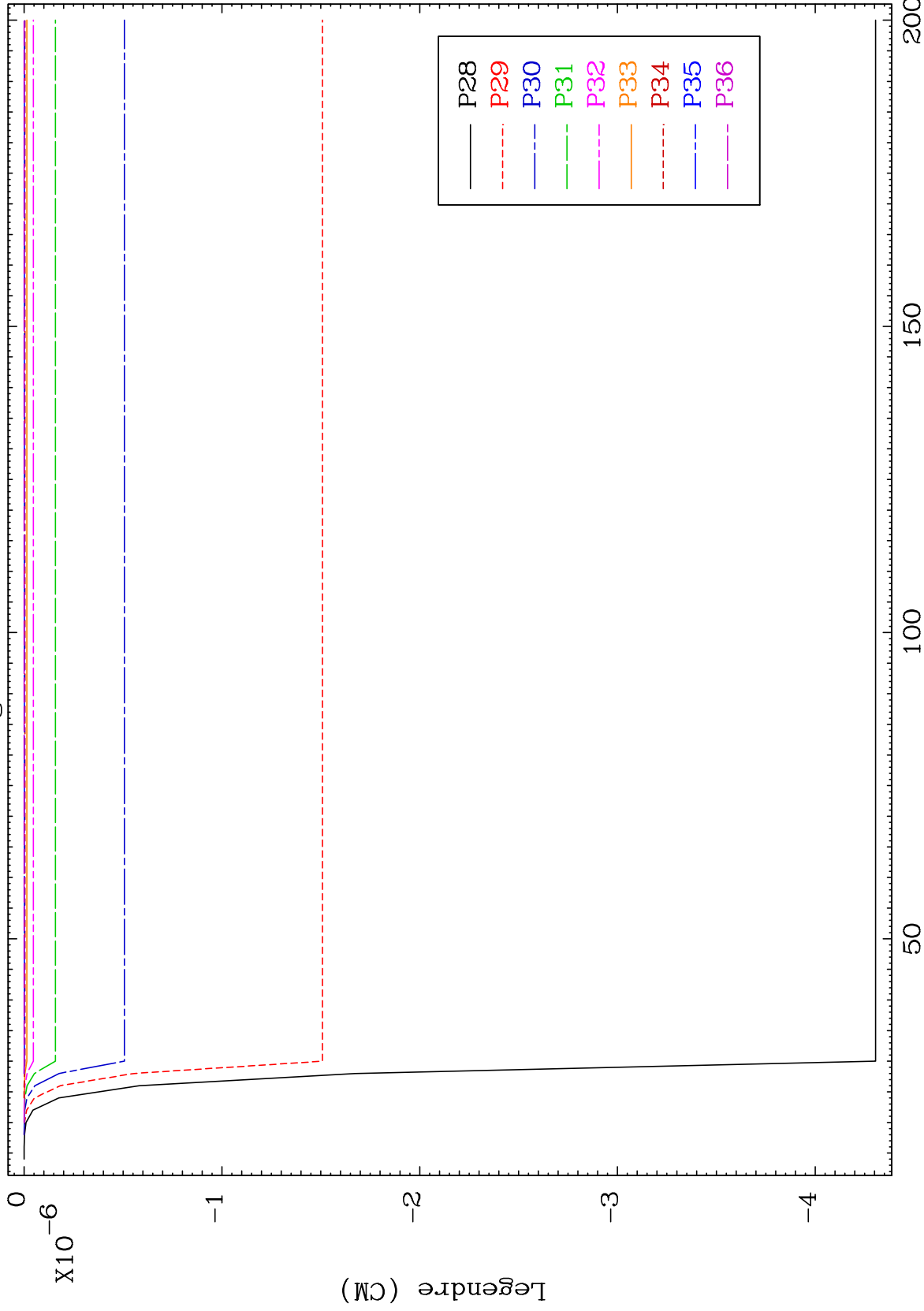
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



102

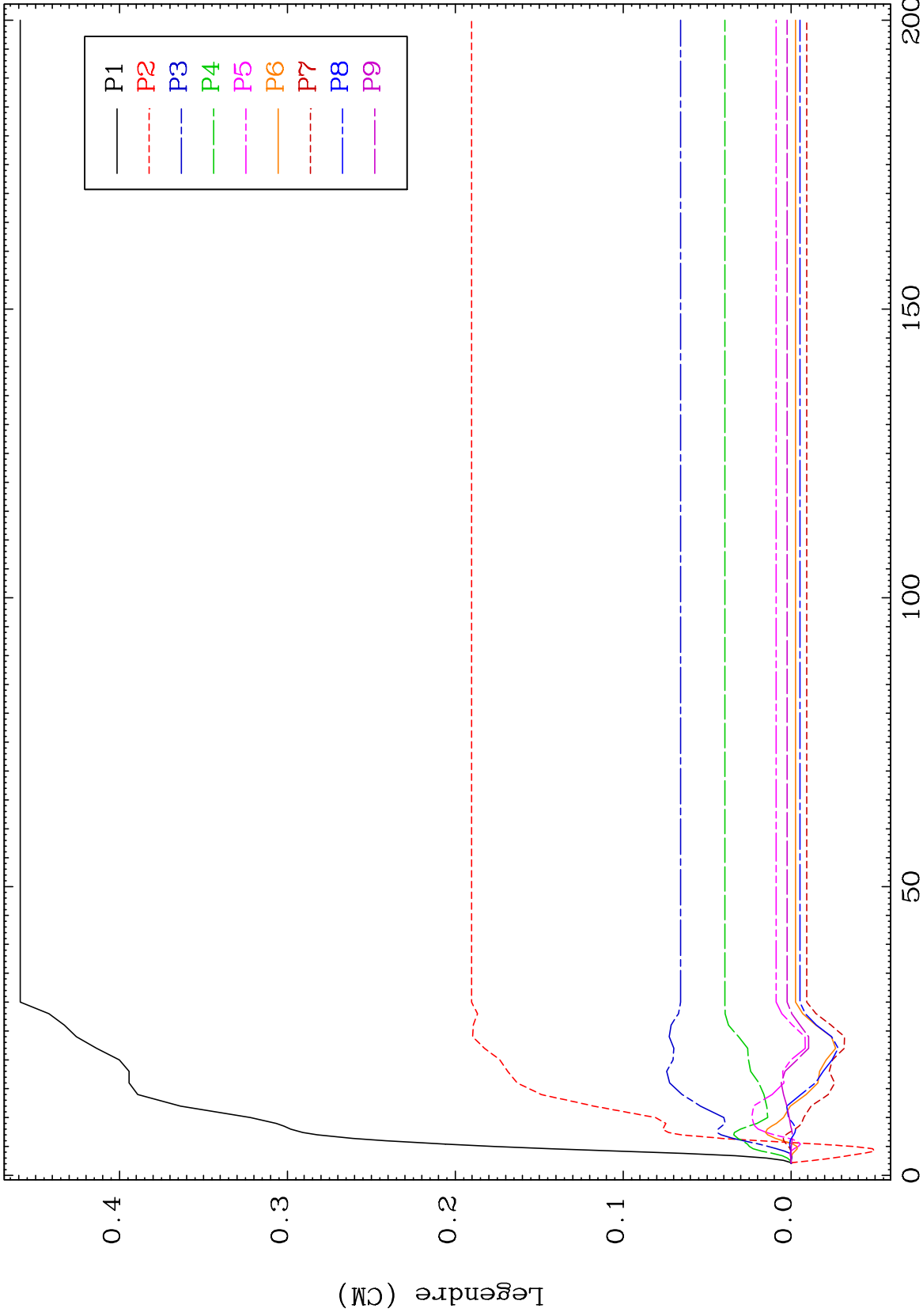
60-Nd-143

60-Nd-143

MAT 6028

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

60-Nd-143



103

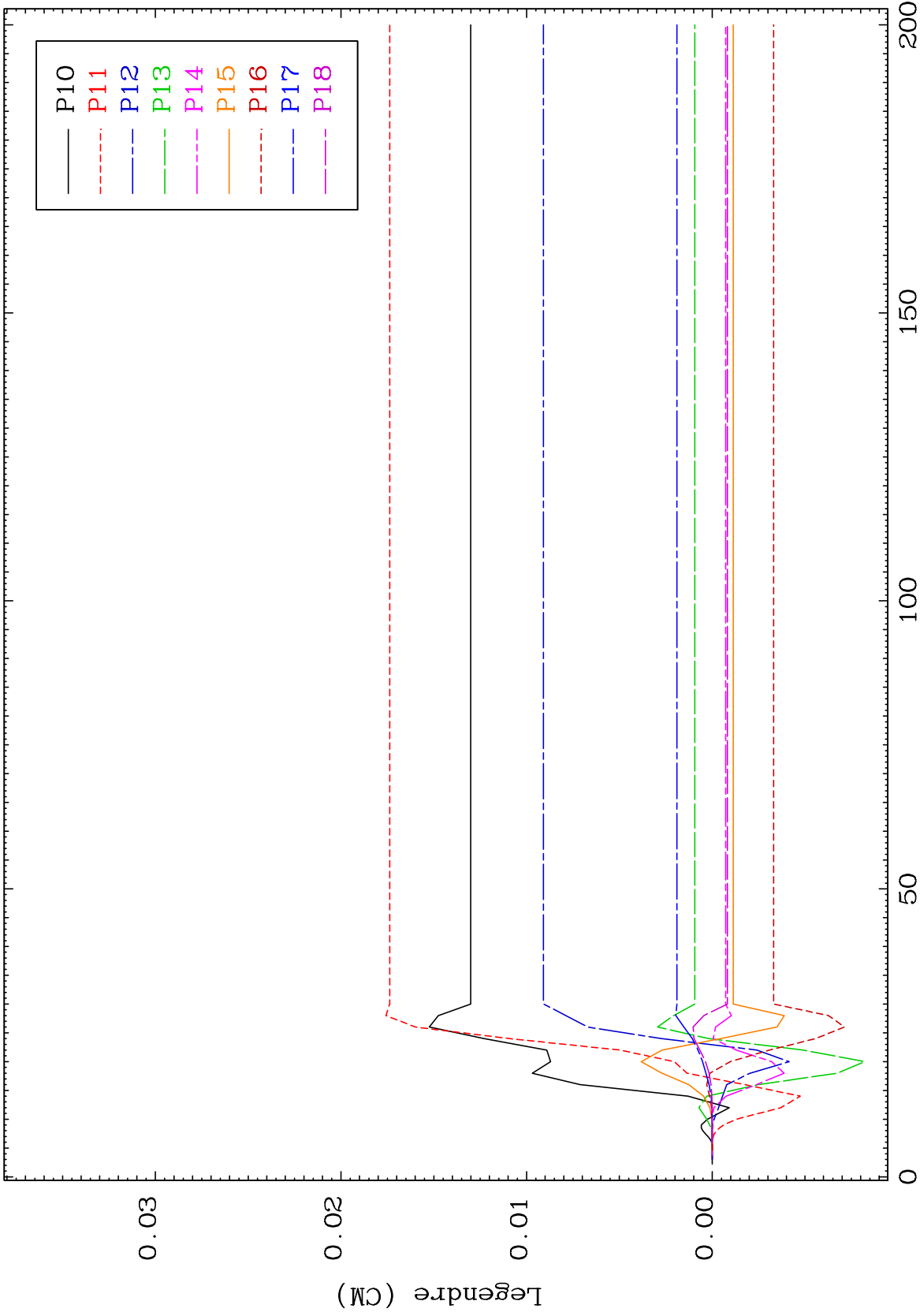
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



104

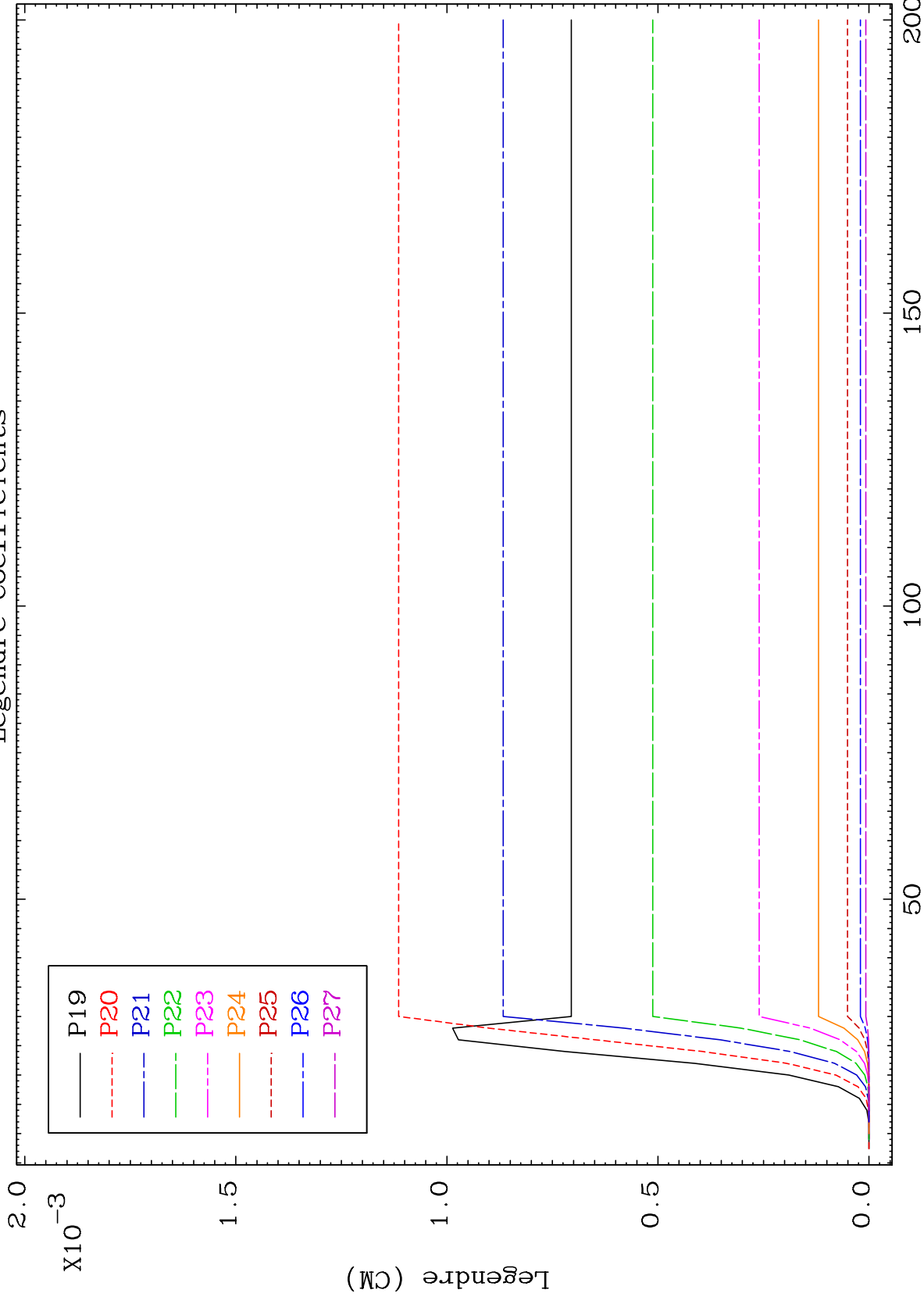
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



60-Nd-143

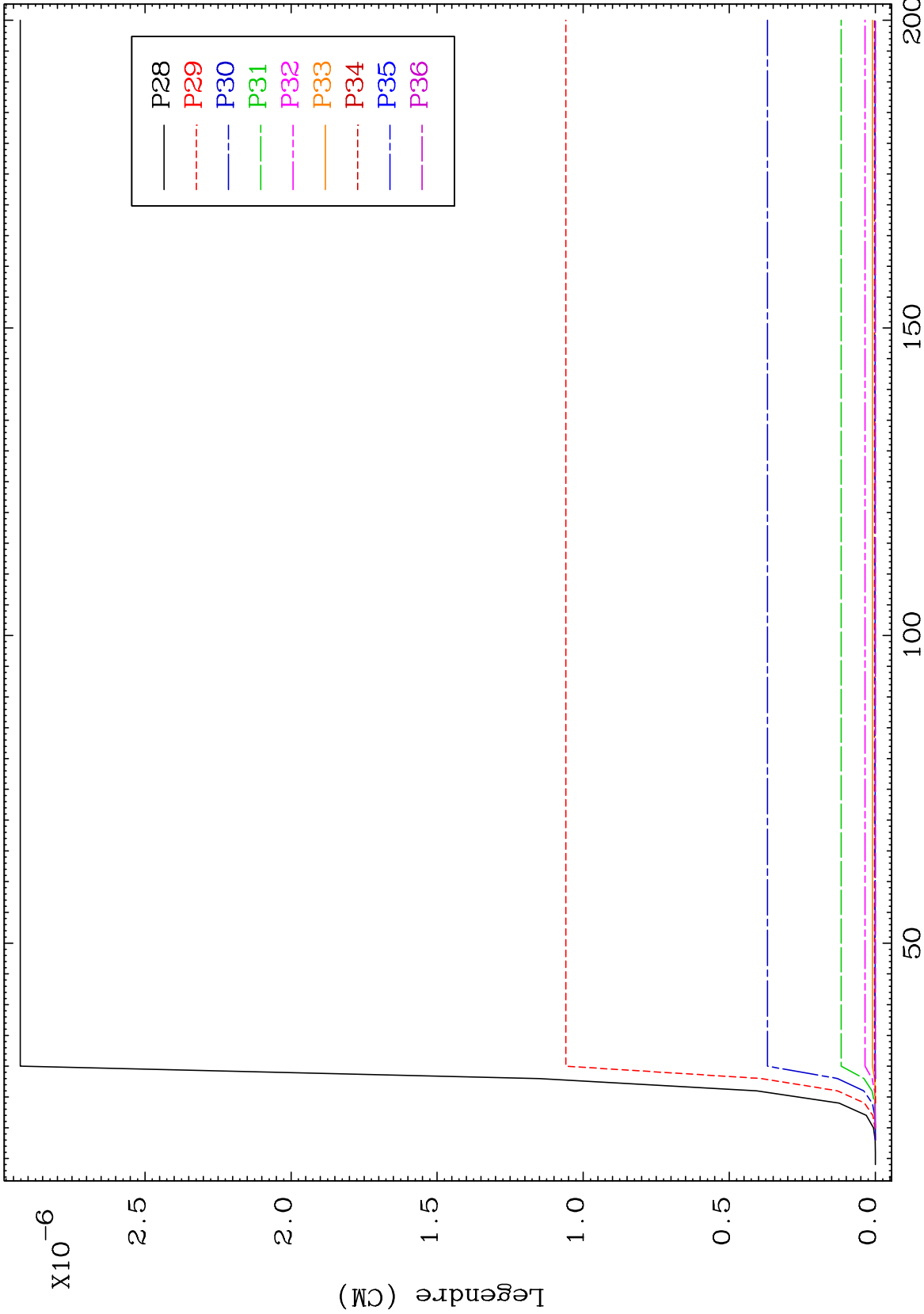
Incident Energy (MeV)

Legendre (CM)

MAT 6028

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

60-Nd-143

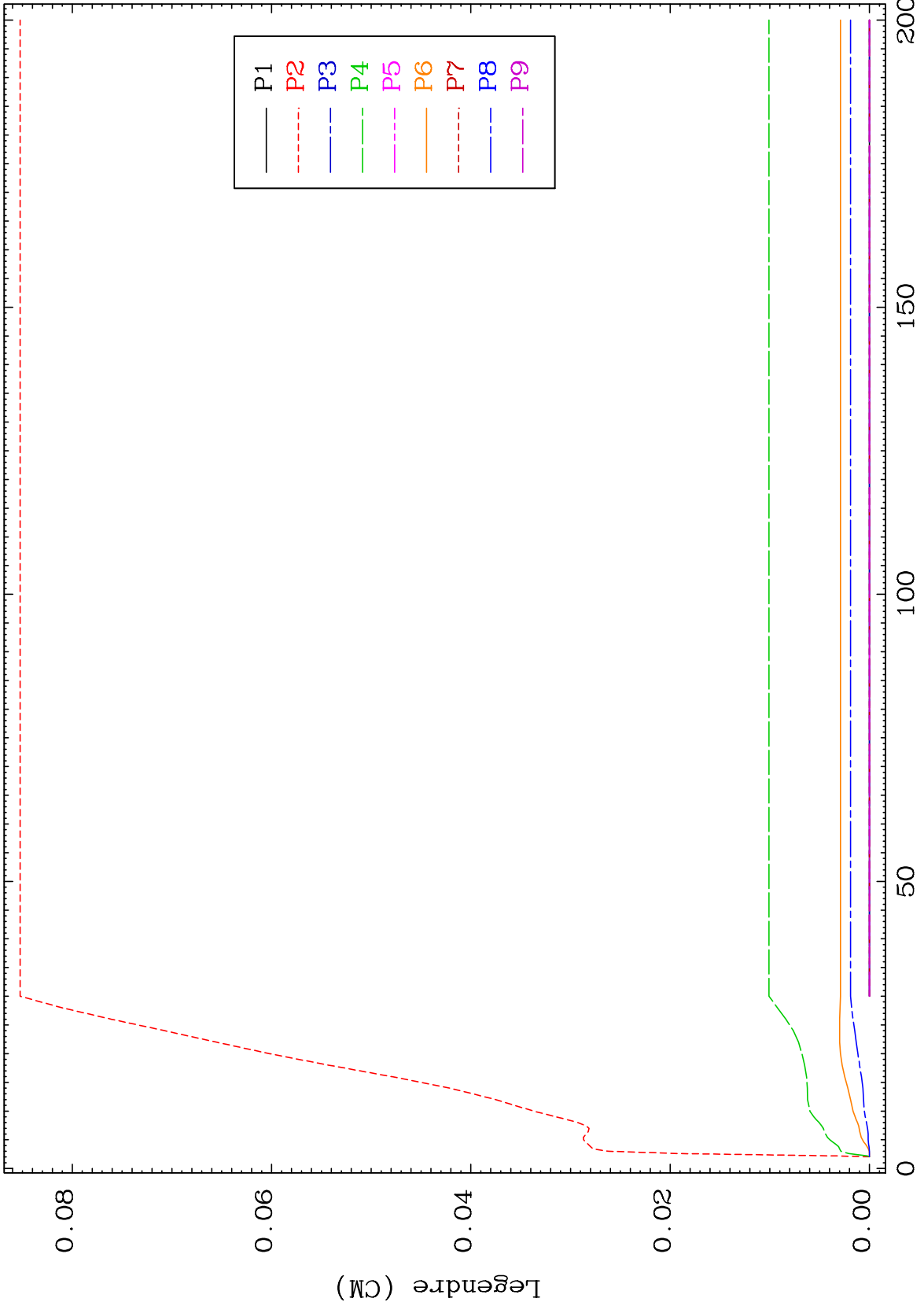


106

Incident Energy (MeV)

60-Nd-143

MAT 6028 MT= 76 (n,n') Level Legendre Coefficients 60-Nd-143

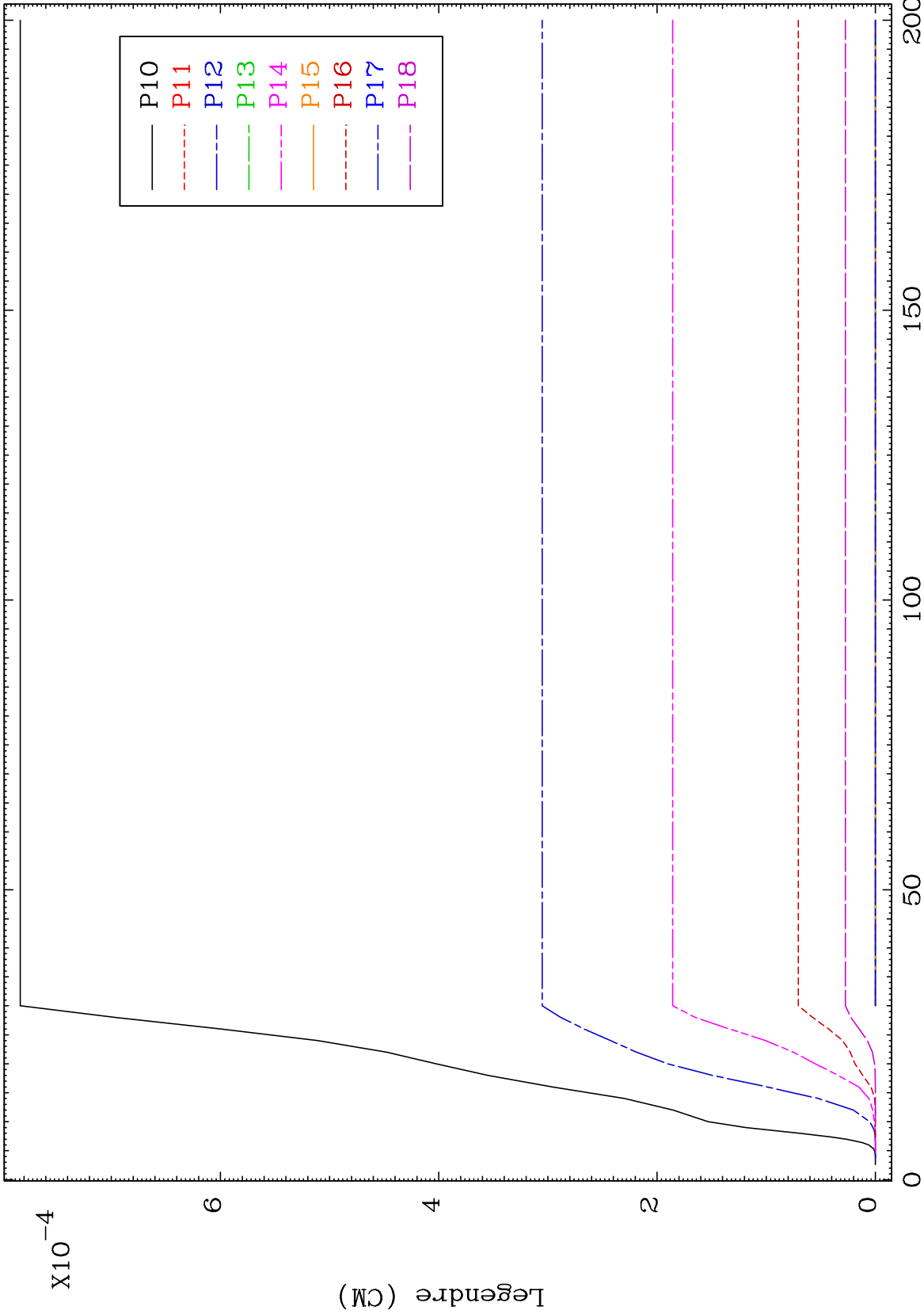


107 60-Nd-143

MAT 6028

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

60-Nd-143



108

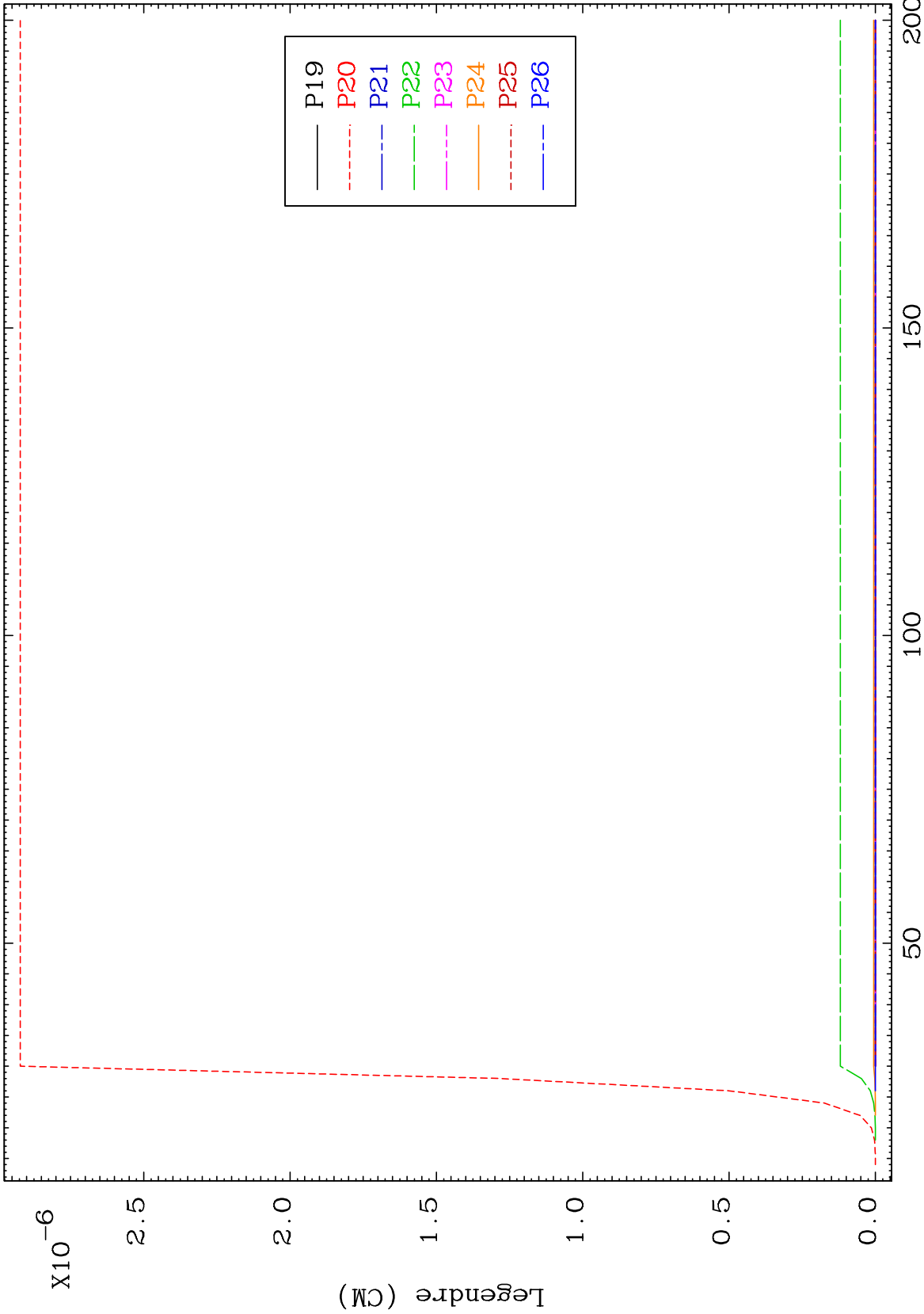
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143

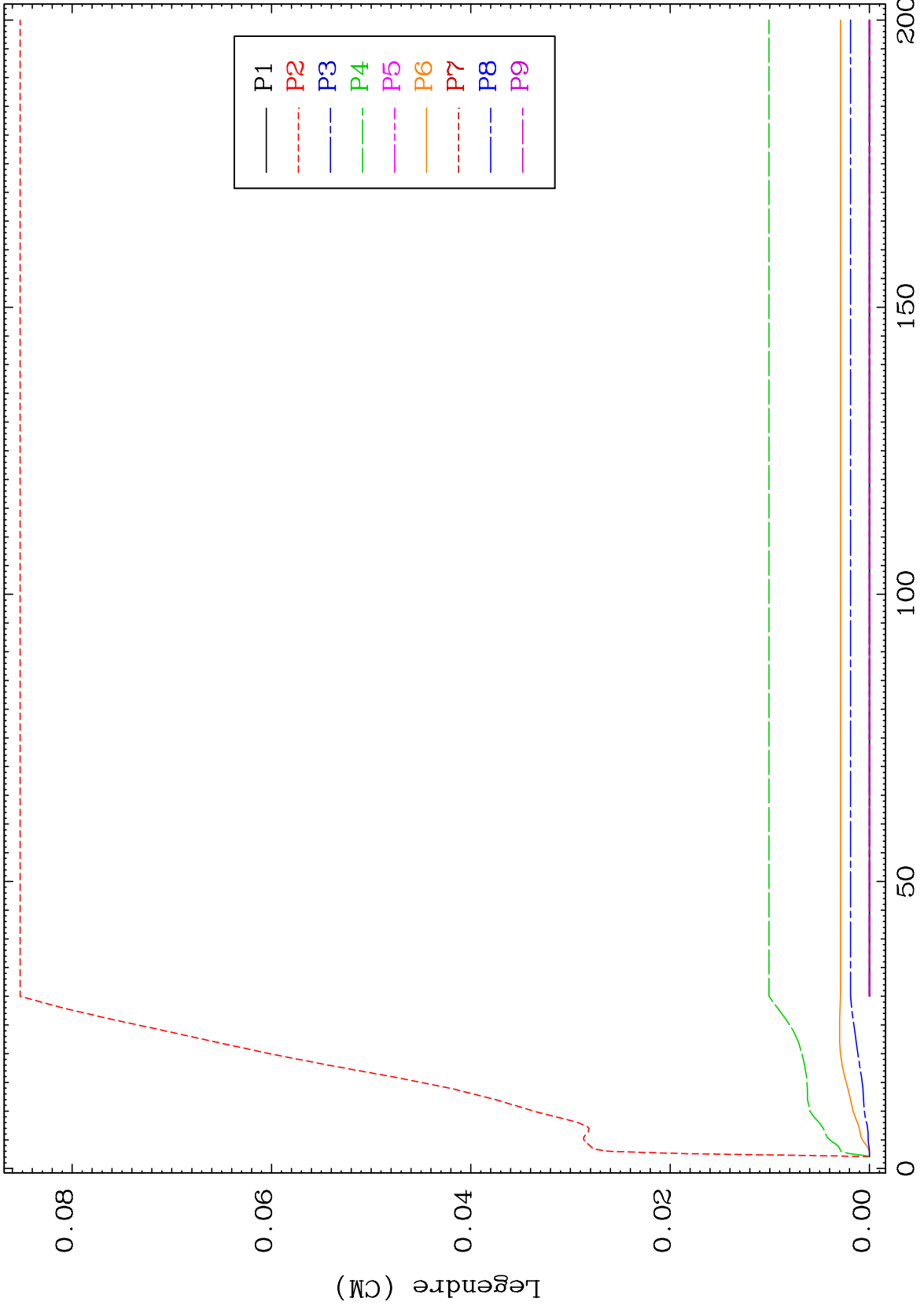


109

Incident Energy (MeV)

60-Nd-143

MAT 6028 MT= 77 (n,n') Level Legendre Coefficients 60-Nd-143

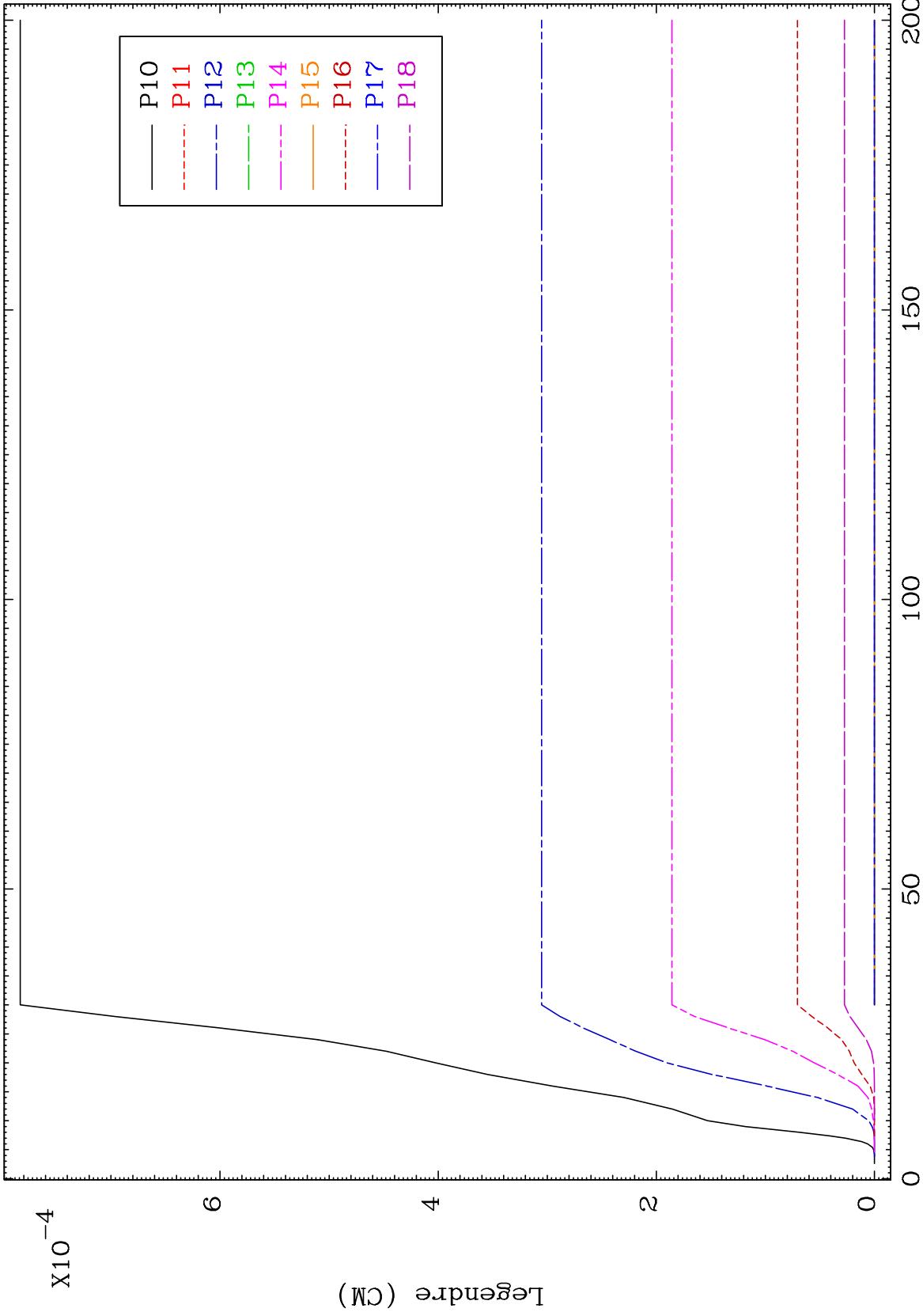


110 Incident Energy (MeV) 60-Nd-143

MAT 6028

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

60-Nd-143



111

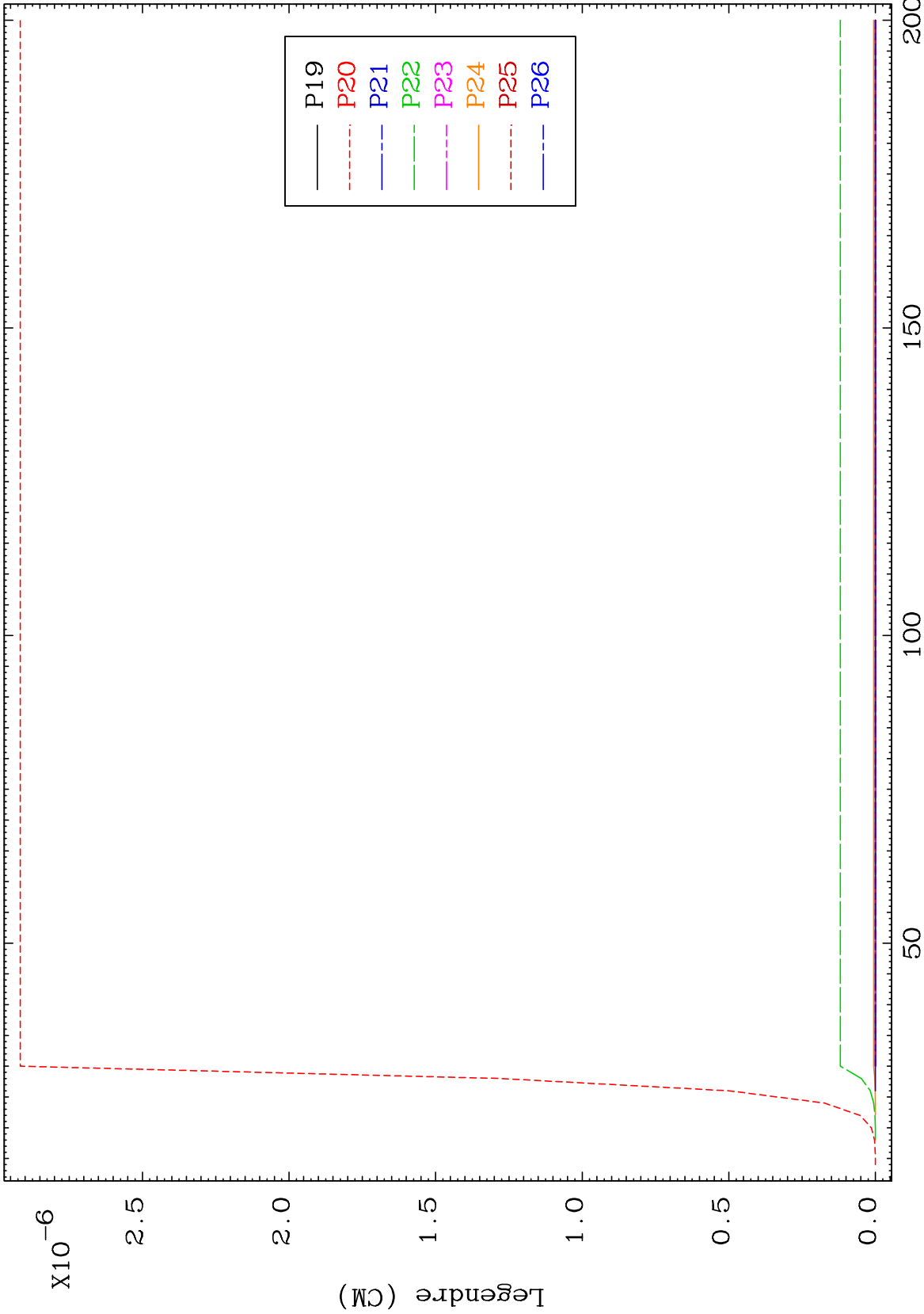
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143

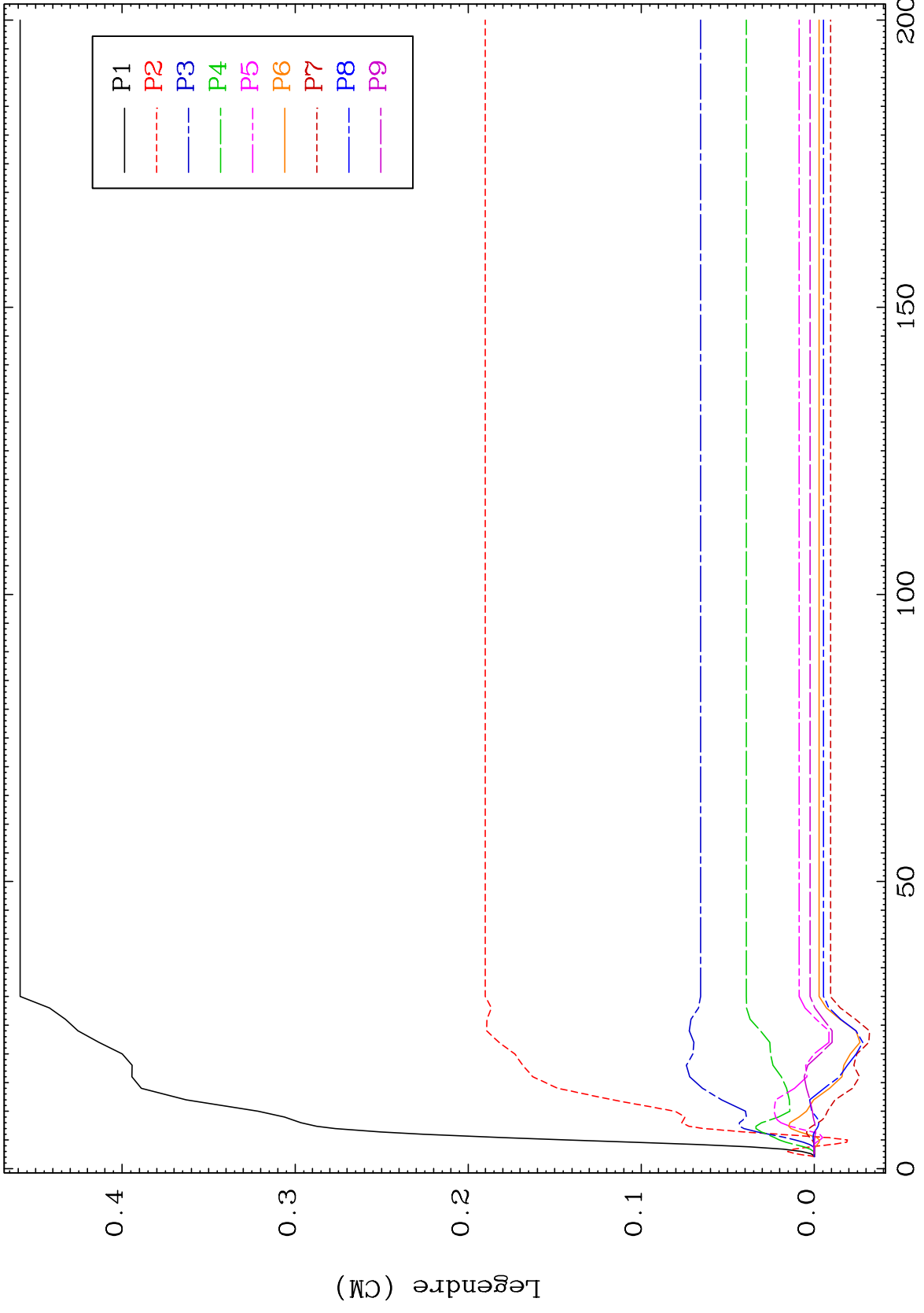


112

Incident Energy (MeV)

60-Nd-143

MAT 6028 MT= 78 (n,n') Level Legendre Coefficients 60-Nd-143

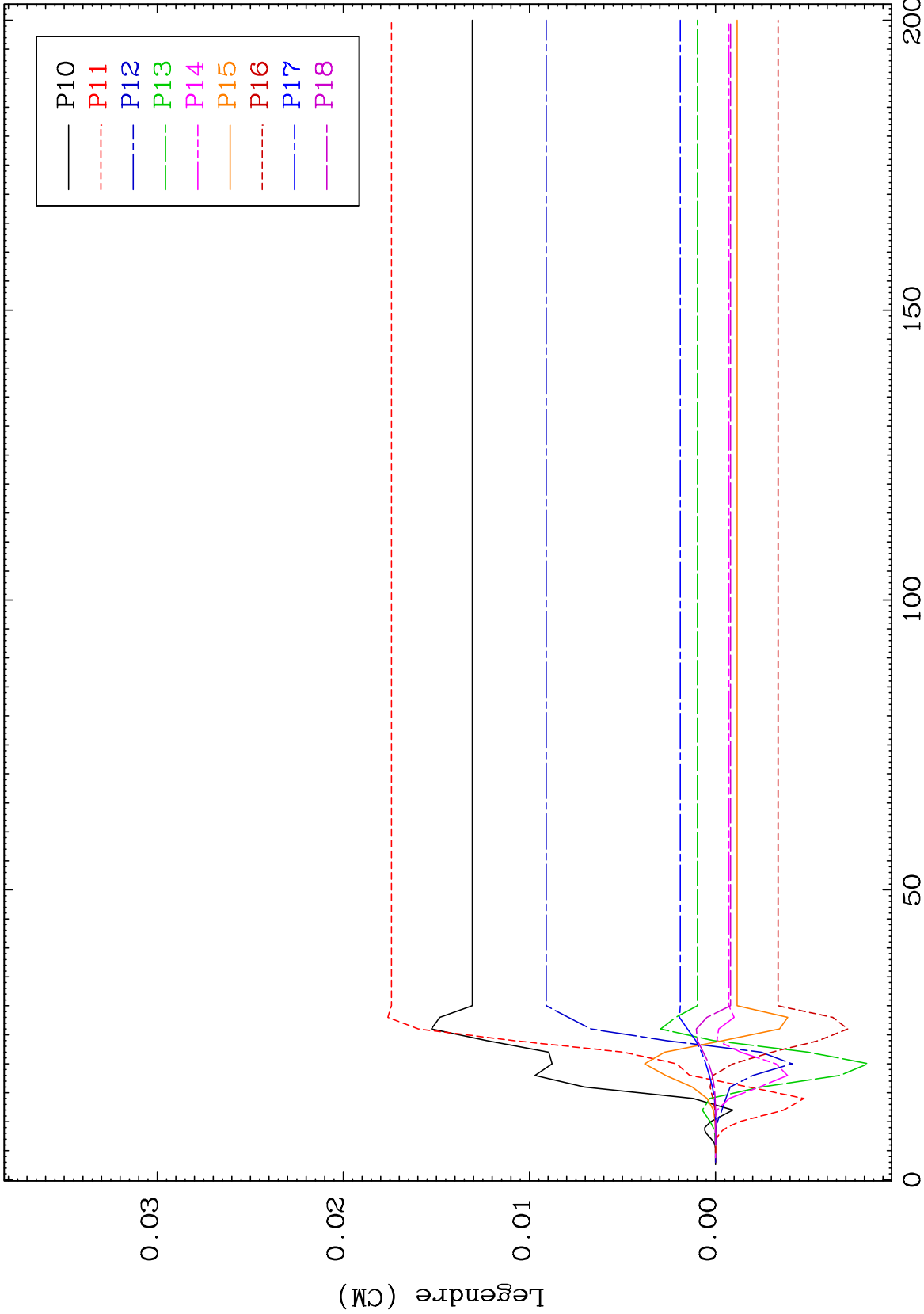


113 60-Nd-143

MAT 6028

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

60-Nd-143

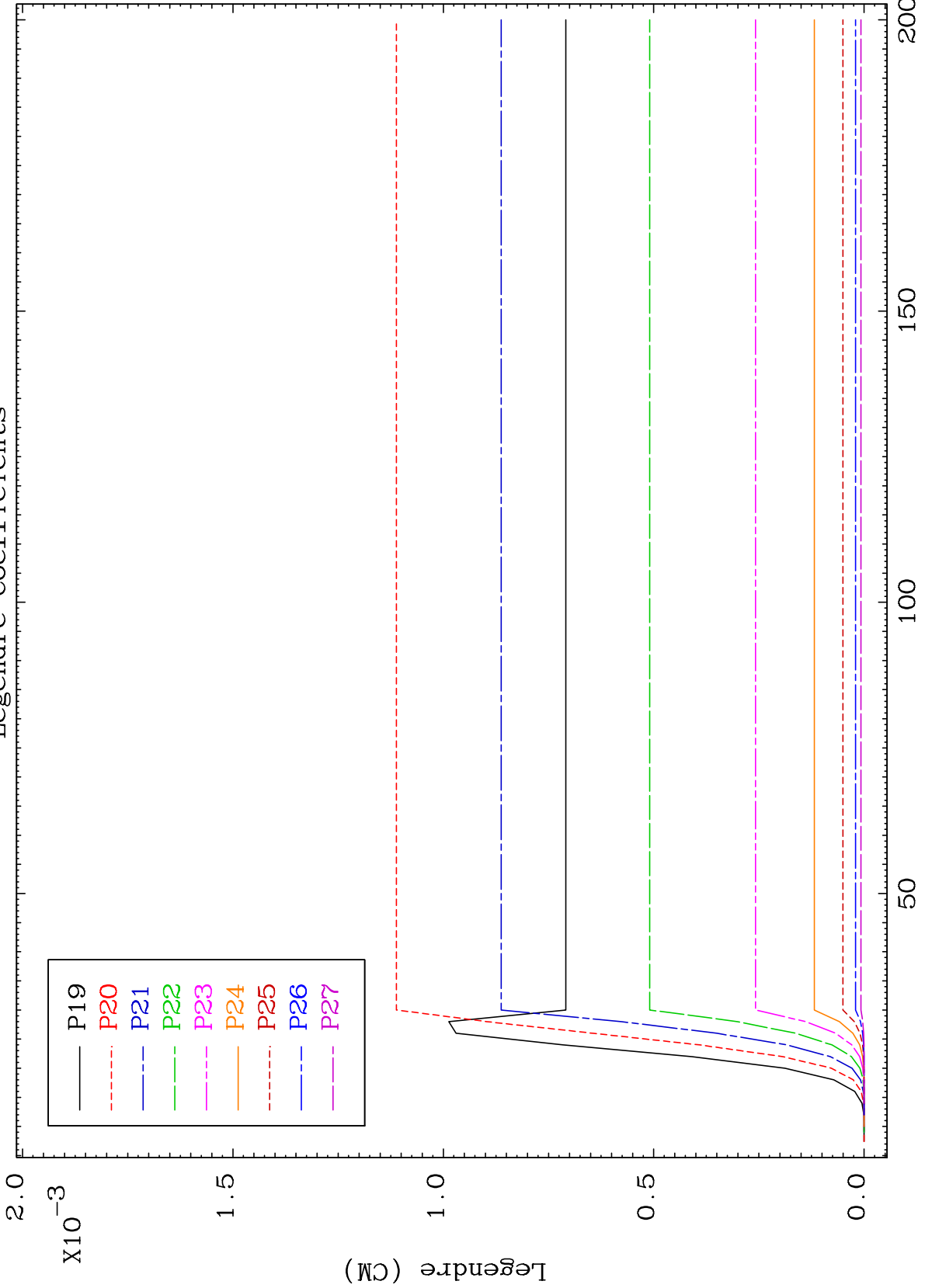


114

Incident Energy (MeV)

60-Nd-143

MAT 6028 MT= 78 (n,n') Level Legendre Coefficients 60-Nd-143

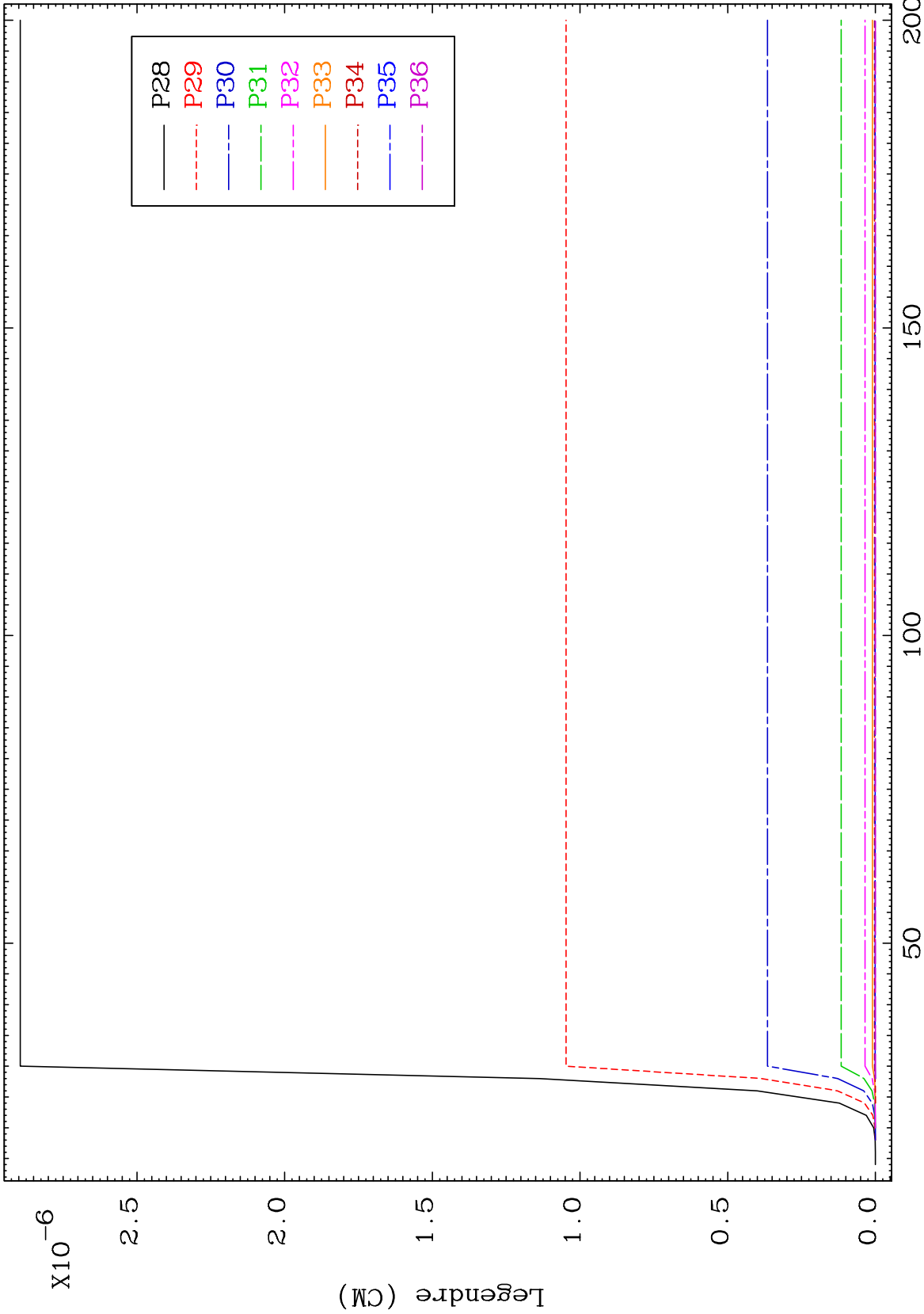


115 Incident Energy (MeV) 60-Nd-143

MAT 6028

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

60-Nd-143



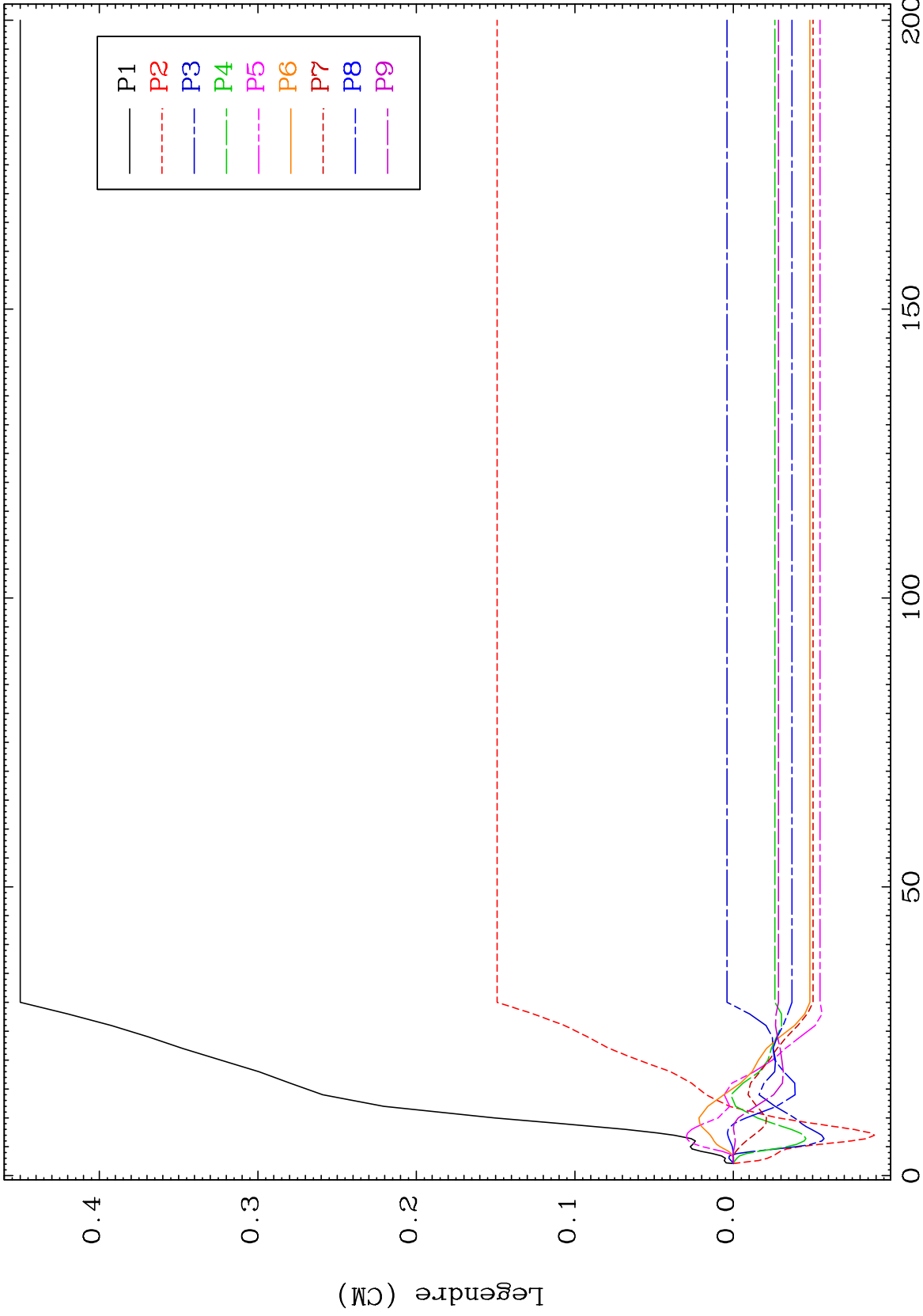
116

60-Nd-143

MAT 6028

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

60-Nd-143



117

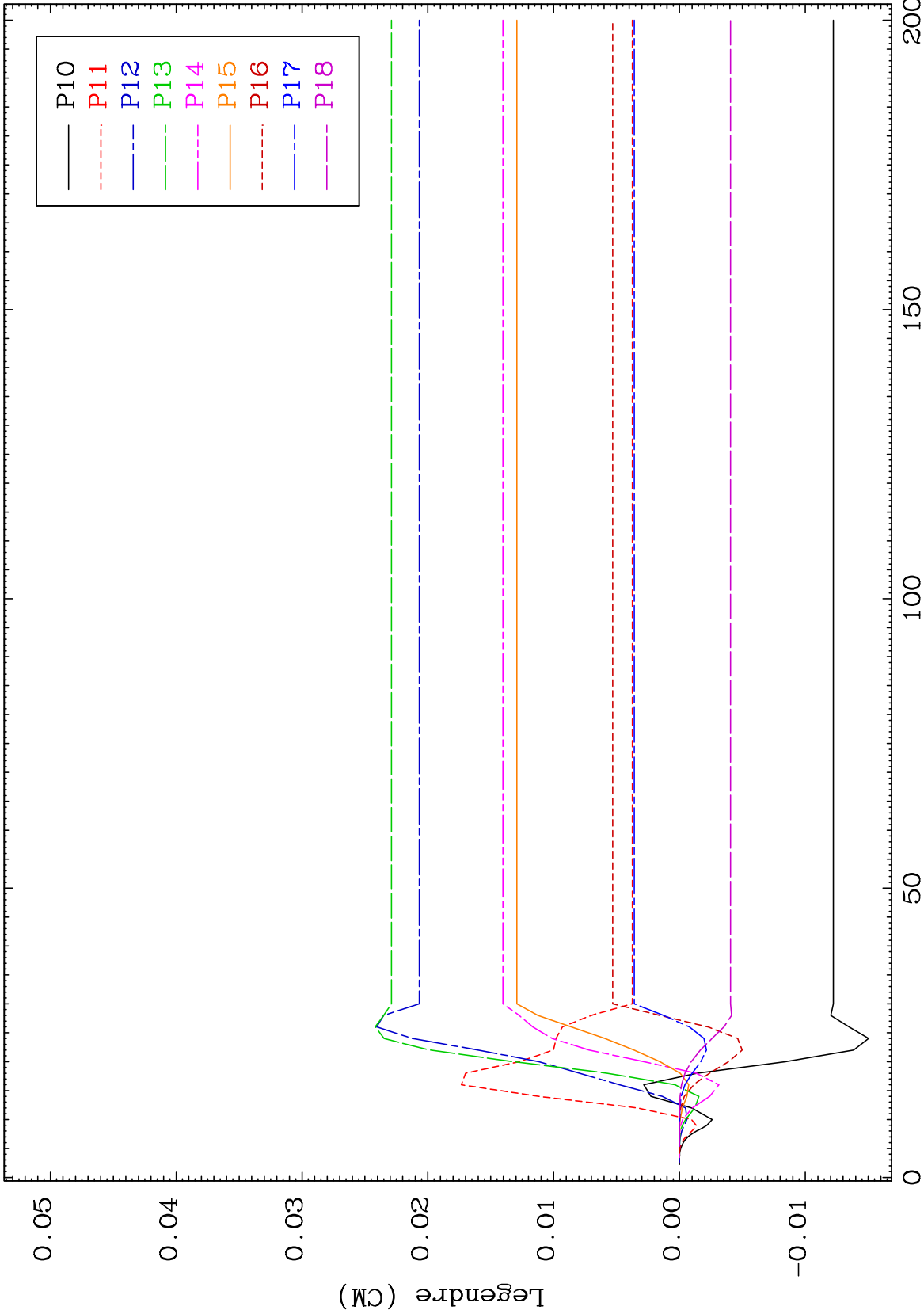
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



118

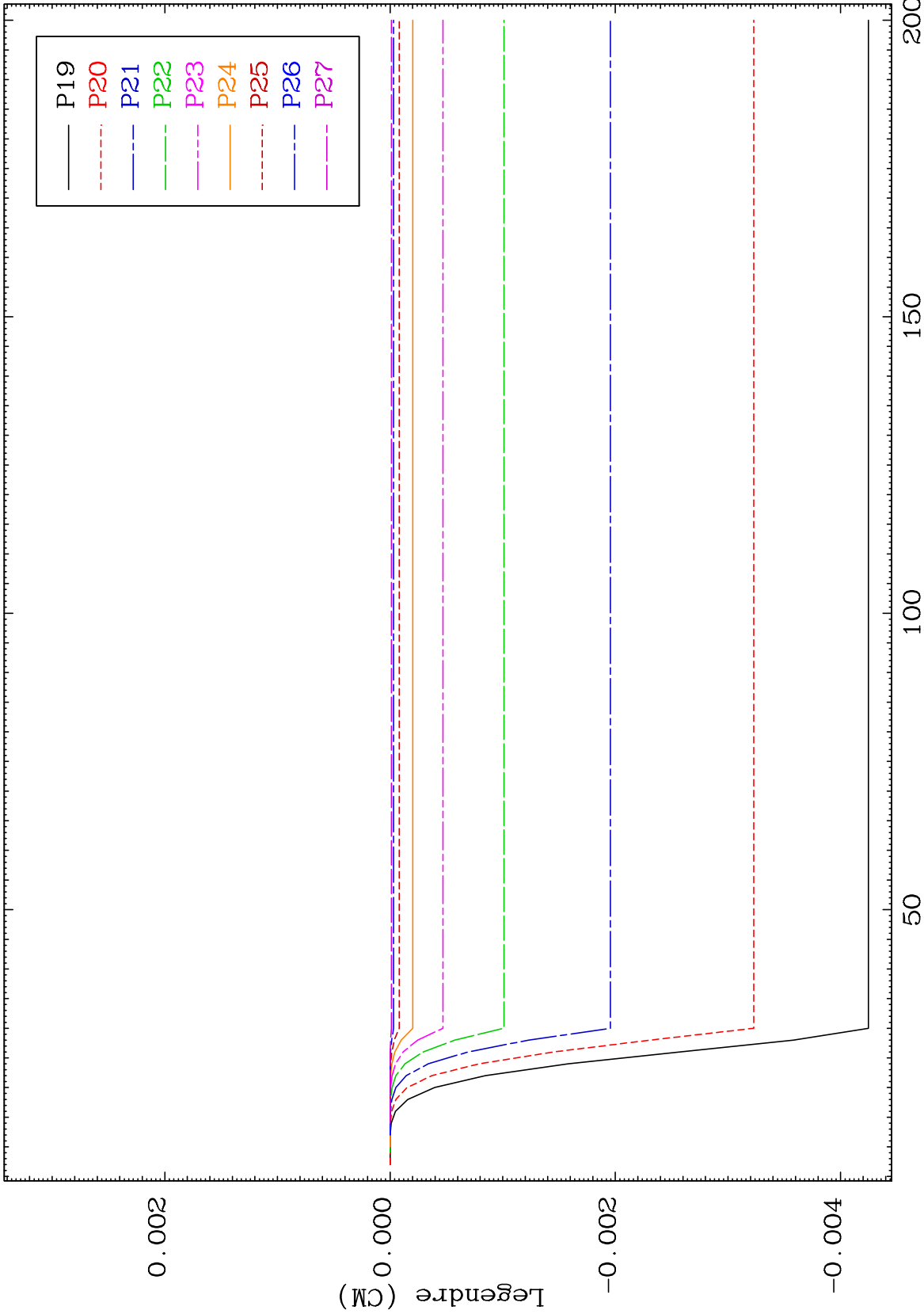
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



119

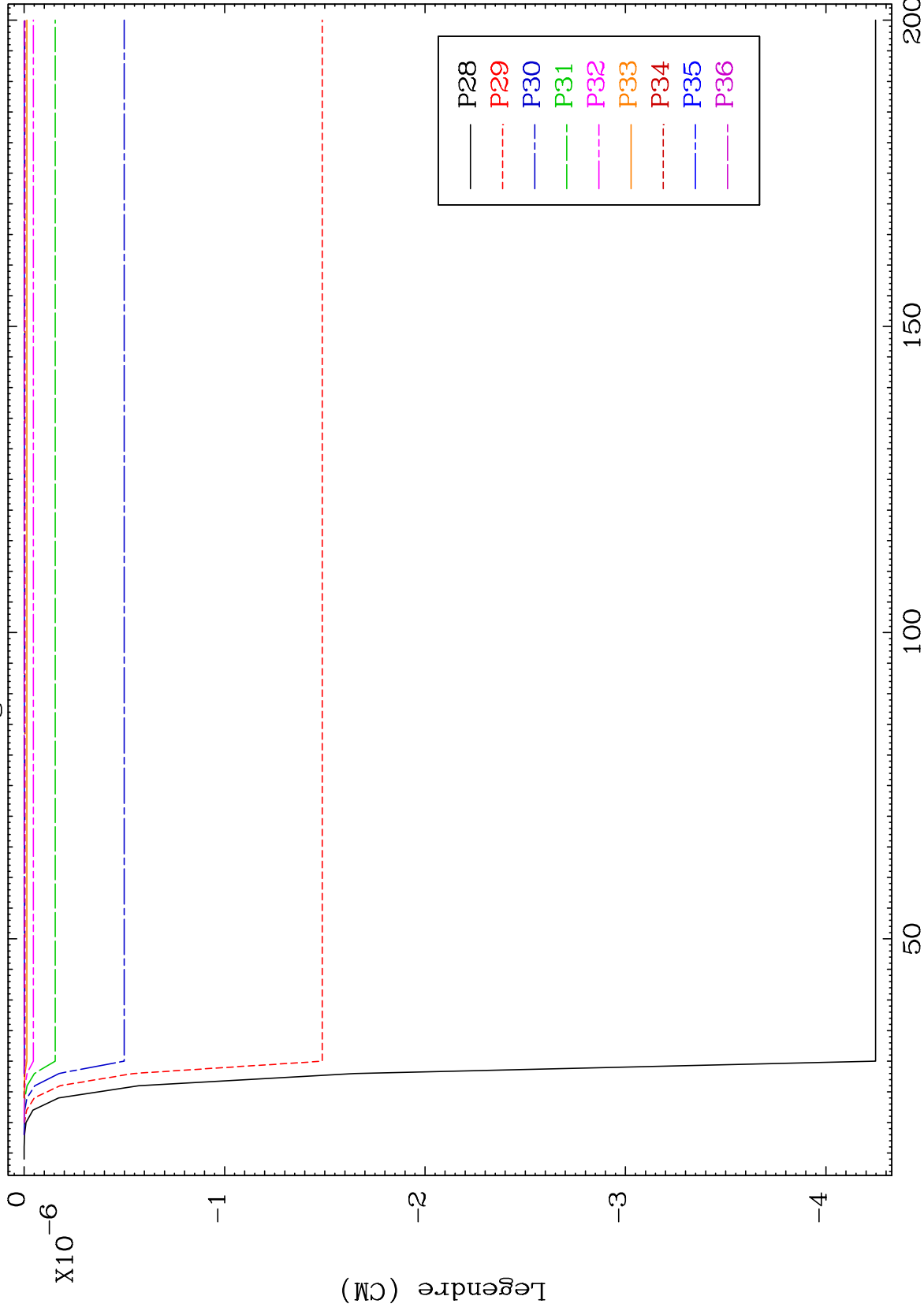
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143

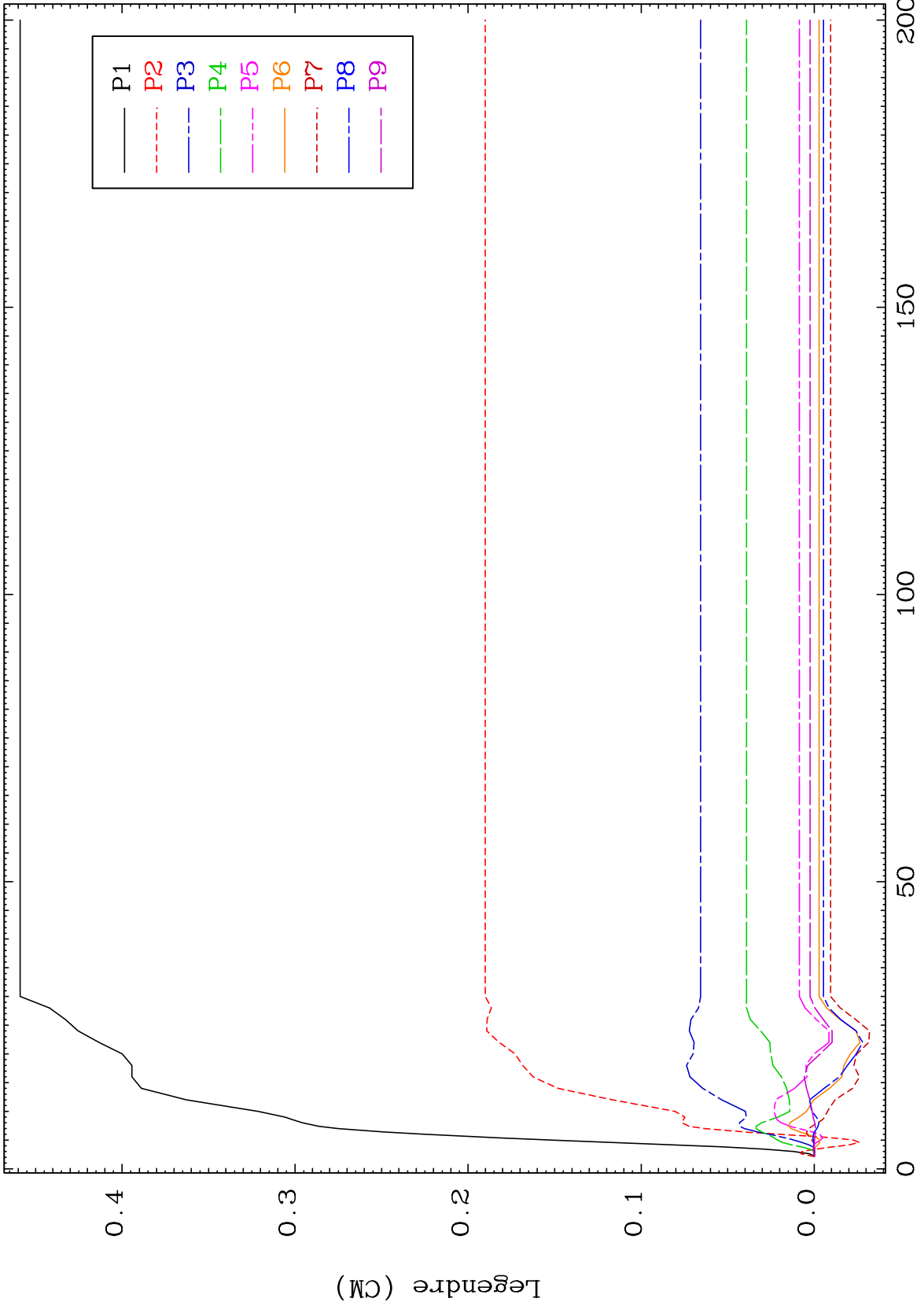


60-Nd-143

Incident Energy (MeV)

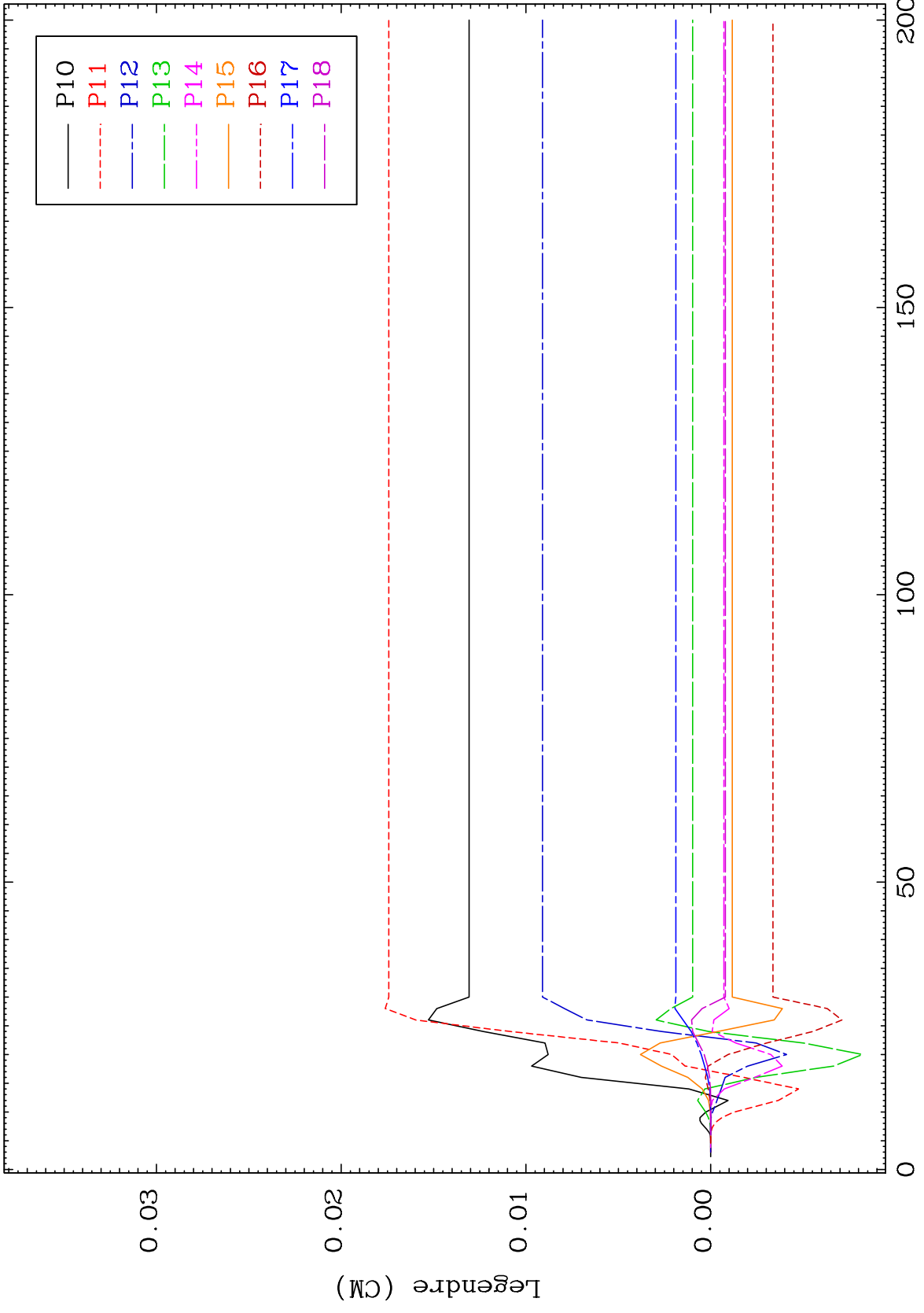
120

MAT 6028 MT= 80 (n,n') Level Legendre Coefficients 60-Nd-143



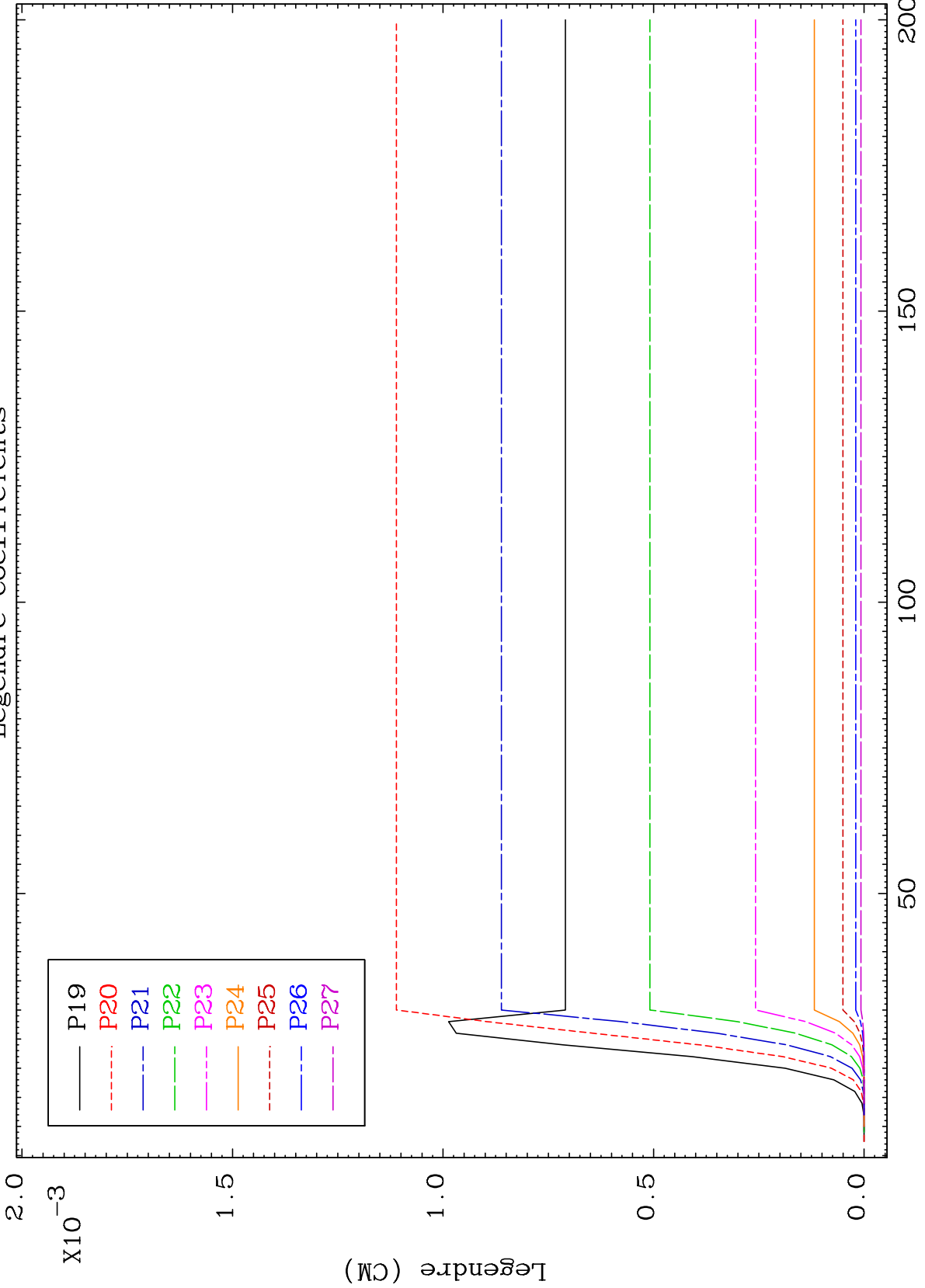
121 Incident Energy (MeV) 60-Nd-143

MAT 6028 MT= 80 (n,n') Level Legendre Coefficients 60-Nd-143



122 60-Nd-143

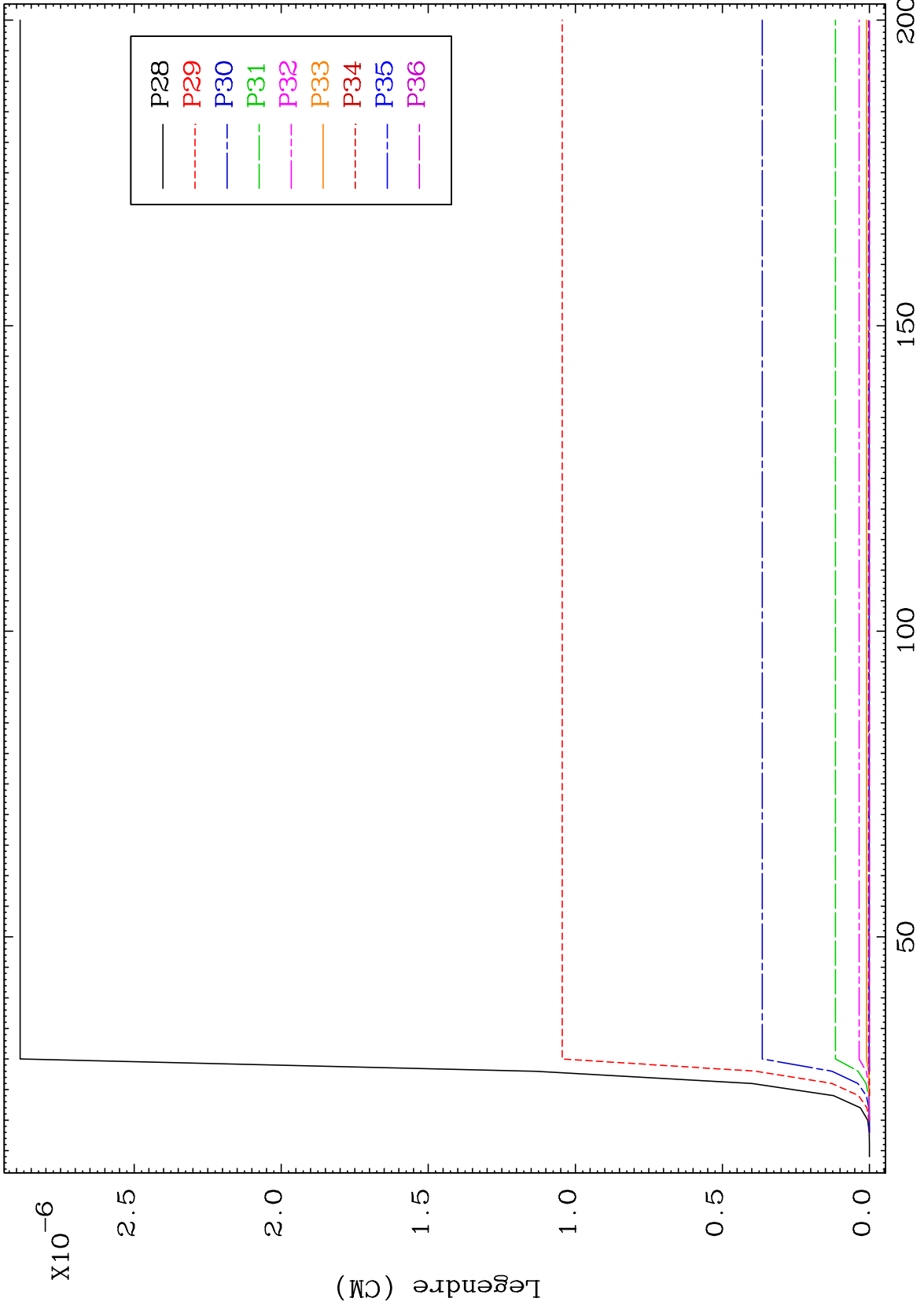
MAT 6028 MT= 80 (n,n') Level Legendre Coefficients 60-Nd-143



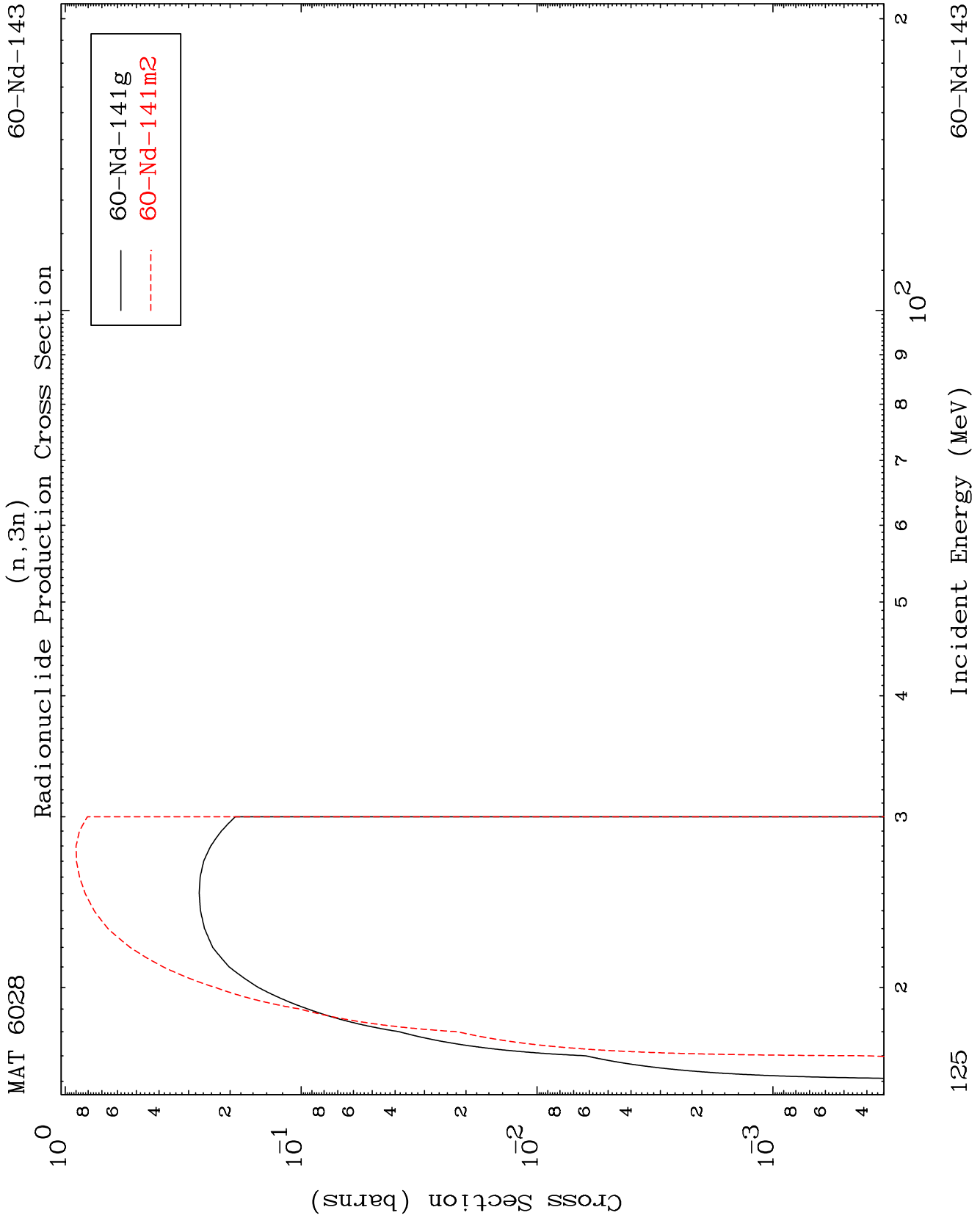
60-Nd-143

Incident Energy (MeV)

MAT 6028 MT= 80 (n,n') Level Legendre Coefficients 60-Nd-143



124 60-Nd-143

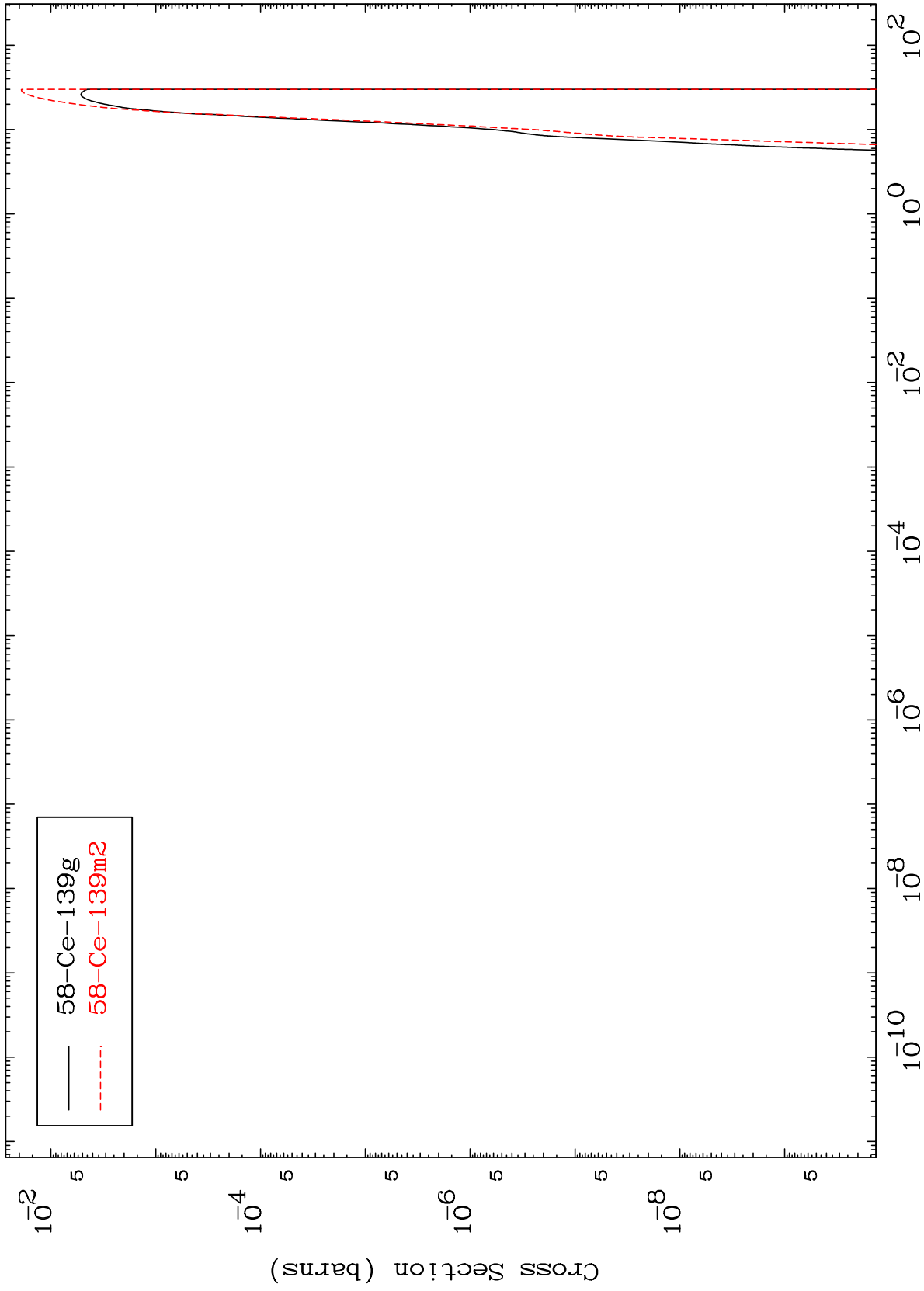


MAT 6028

(n,n') α

60-Nd-143

Radionuclide Production Cross Section



126

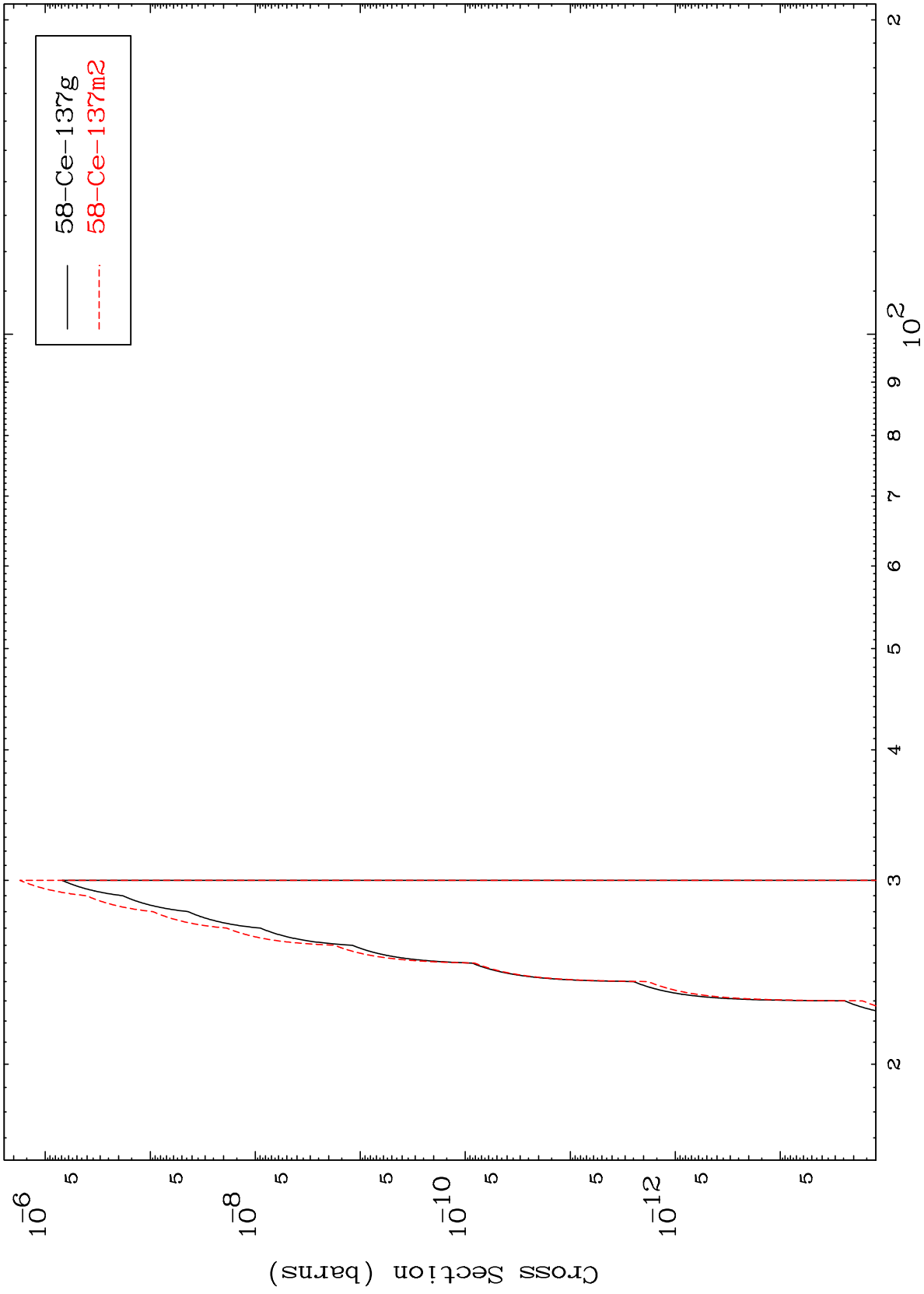
60-Nd-143

MAT 6028

(n,3n) α

$^{60}\text{Nd}-143$

Radionuclide Production Cross Section



127

Incident Energy (MeV)

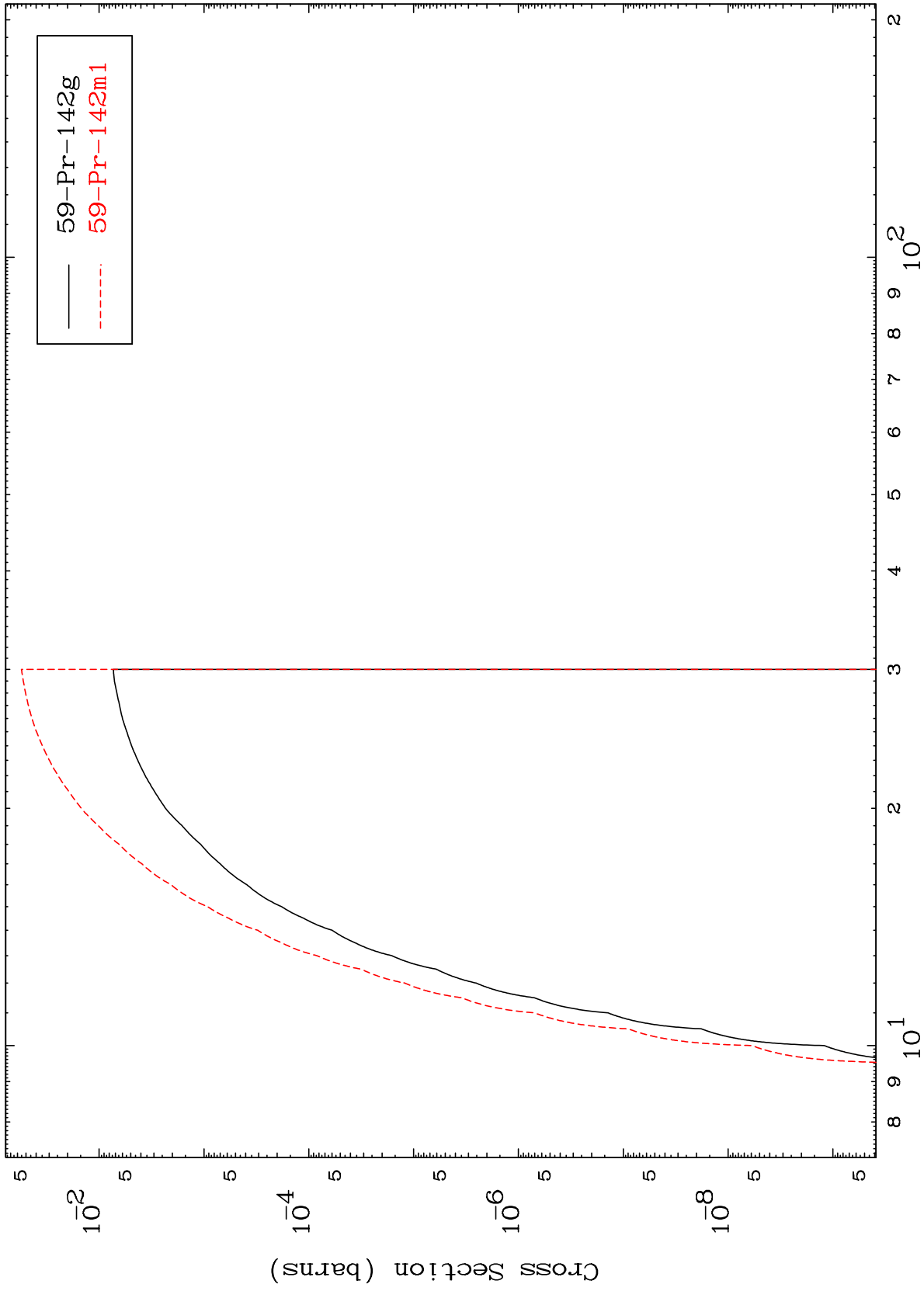
$^{60}\text{Nd}-143$

MAT 6028

(n,n') p

60-Nd-143

Radionuclide Production Cross Section



128

Incident Energy (MeV)

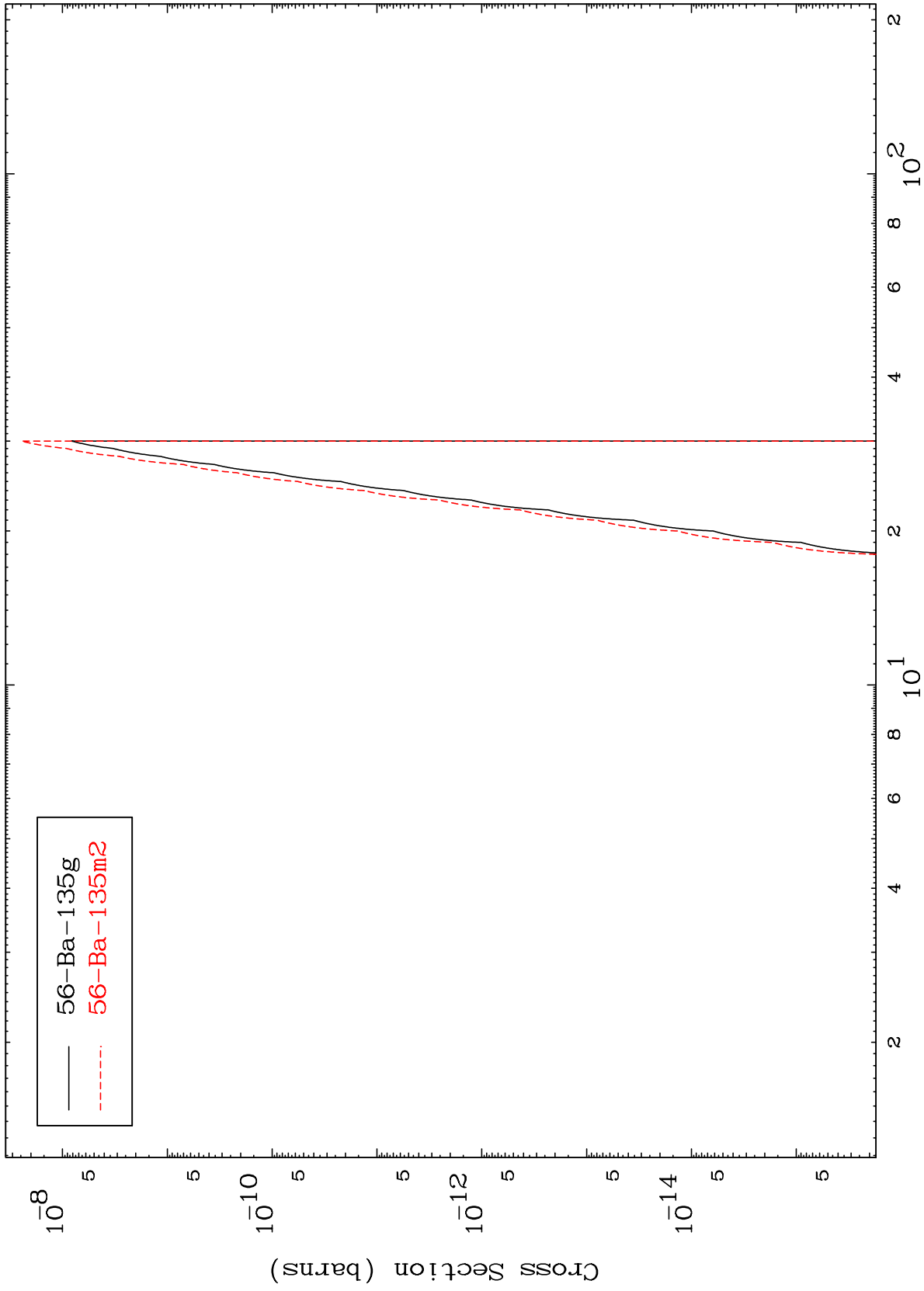
60-Nd-143

MAT 6028

(n,n') 2 α

60-Nd-143

Radionuclide Production Cross Section



129

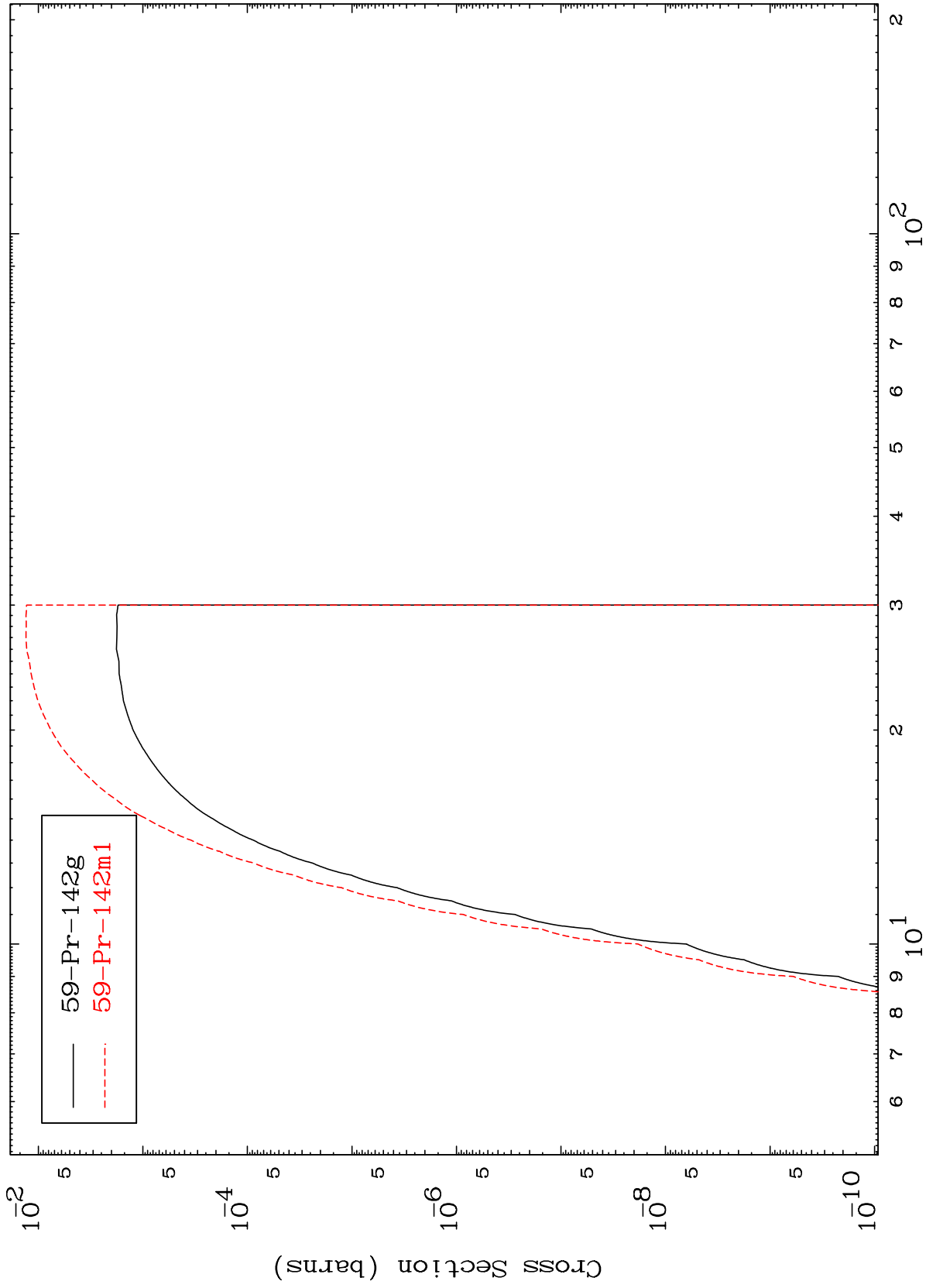
Incident Energy (MeV)

60-Nd-143

MAT 6028

60-Nd-143

(n,d)
Radionuclide Production Cross Section



130

Incident Energy (MeV)

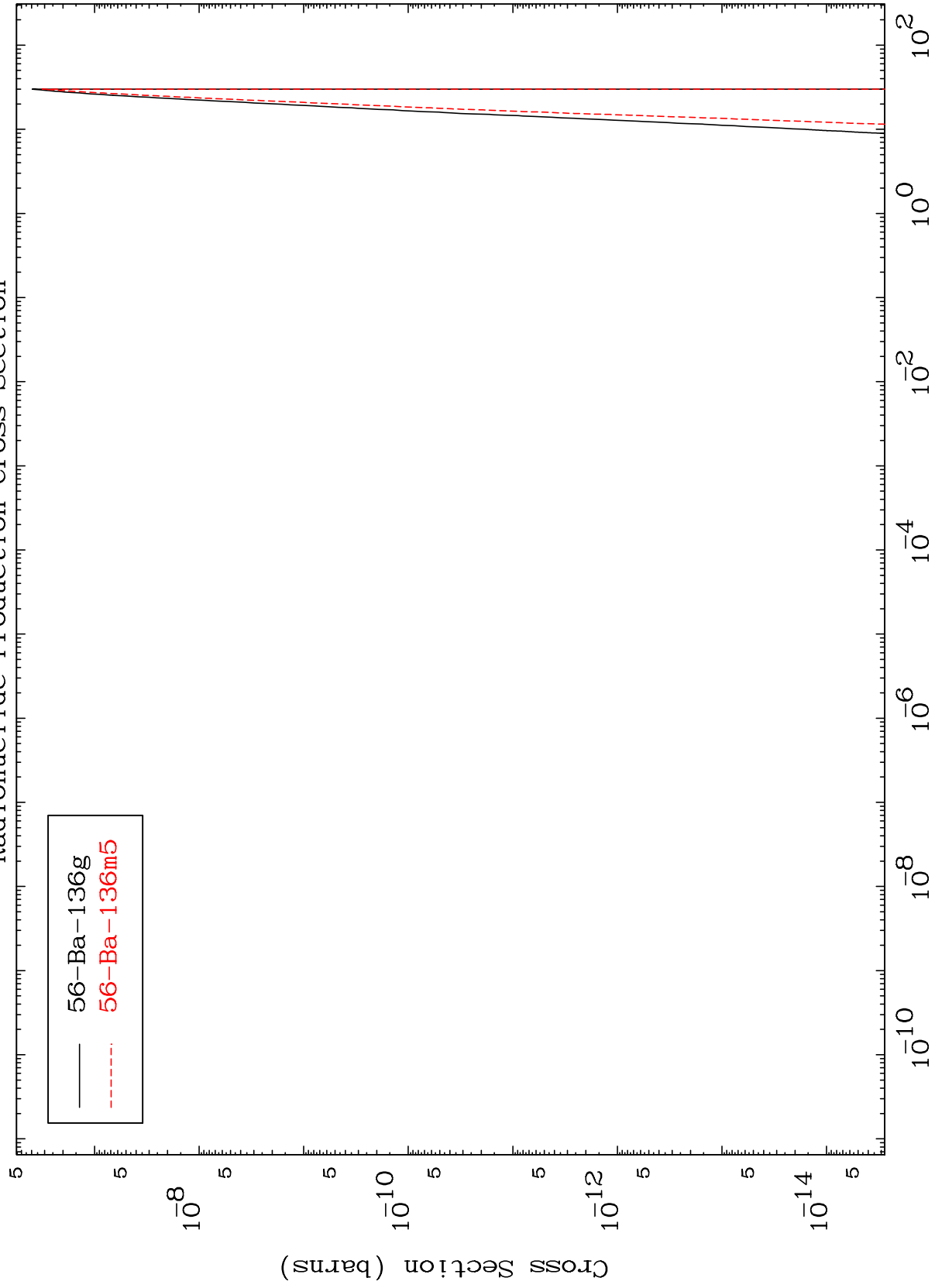
60-Nd-143

MAT 6028

(n,2α)

60-Nd-143

Radionuclide Production Cross Section



131

Incident Energy (MeV)

60-Nd-143