

Program EVALPLOT
(Version 2018-1)

by

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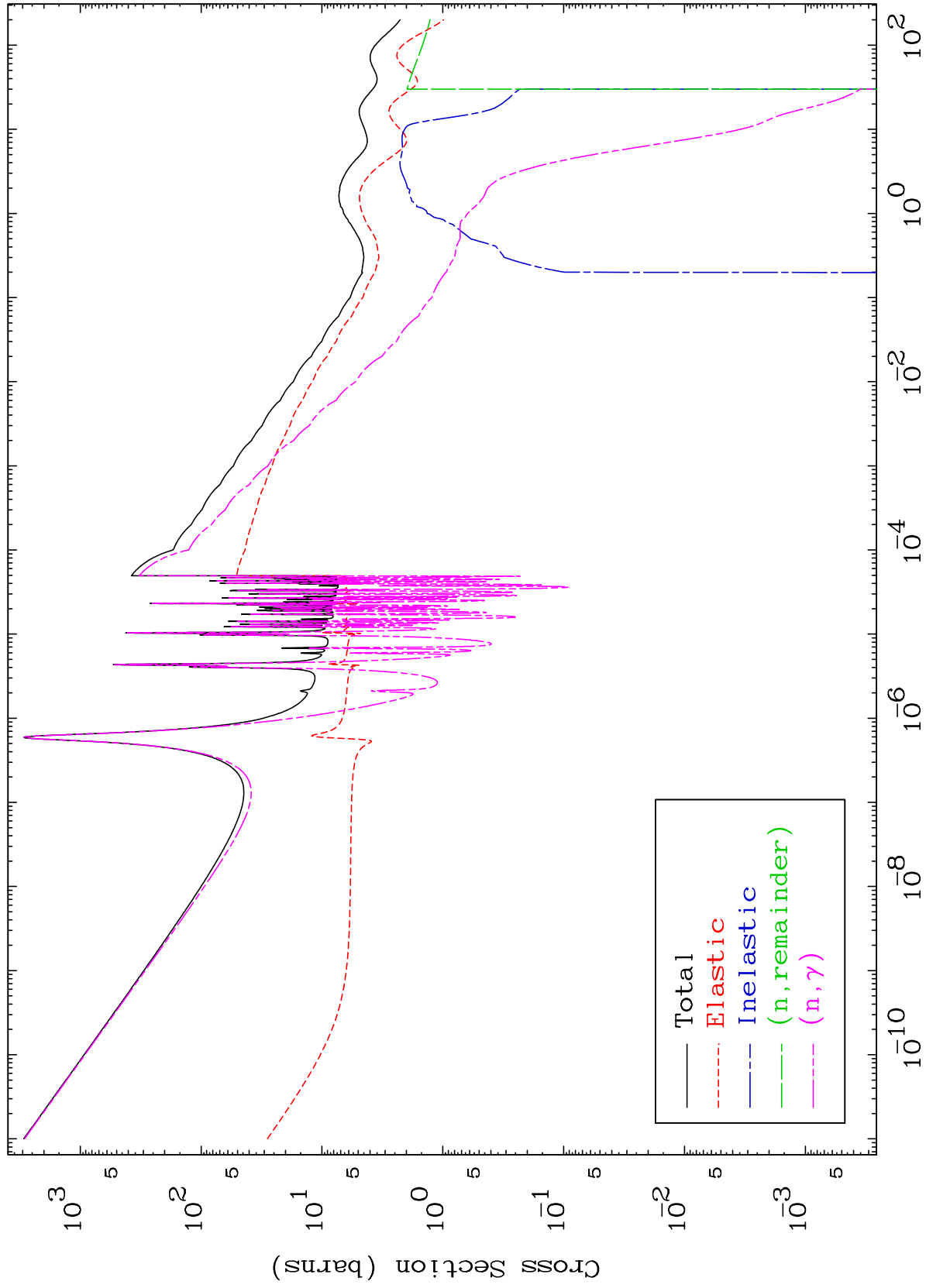
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6131

Major
293 Kelvin Cross Sections

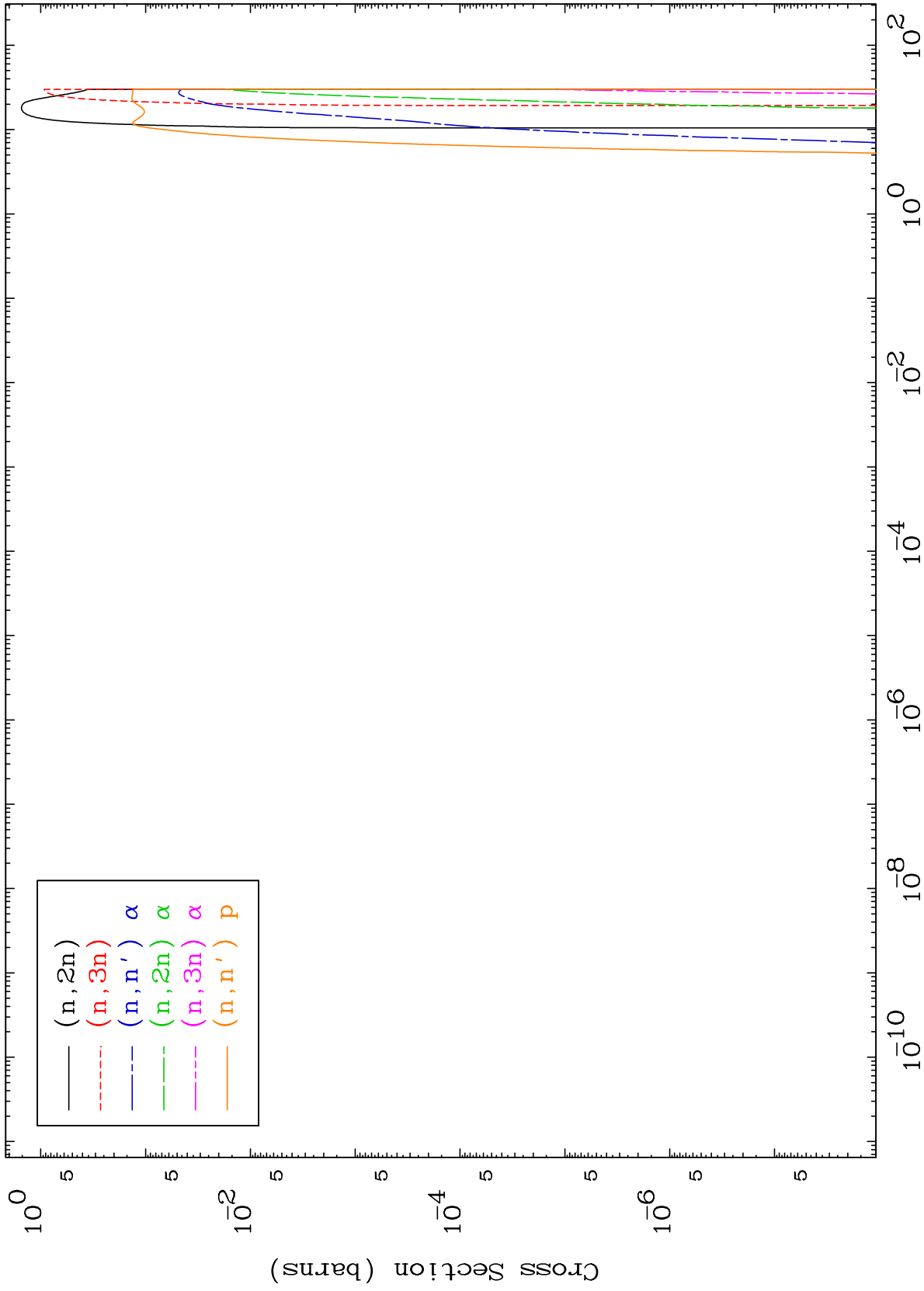
61-Pm-141



MAT 6131

Neutron Production
293 Kelvin Cross Sections

61-Pm-141



2

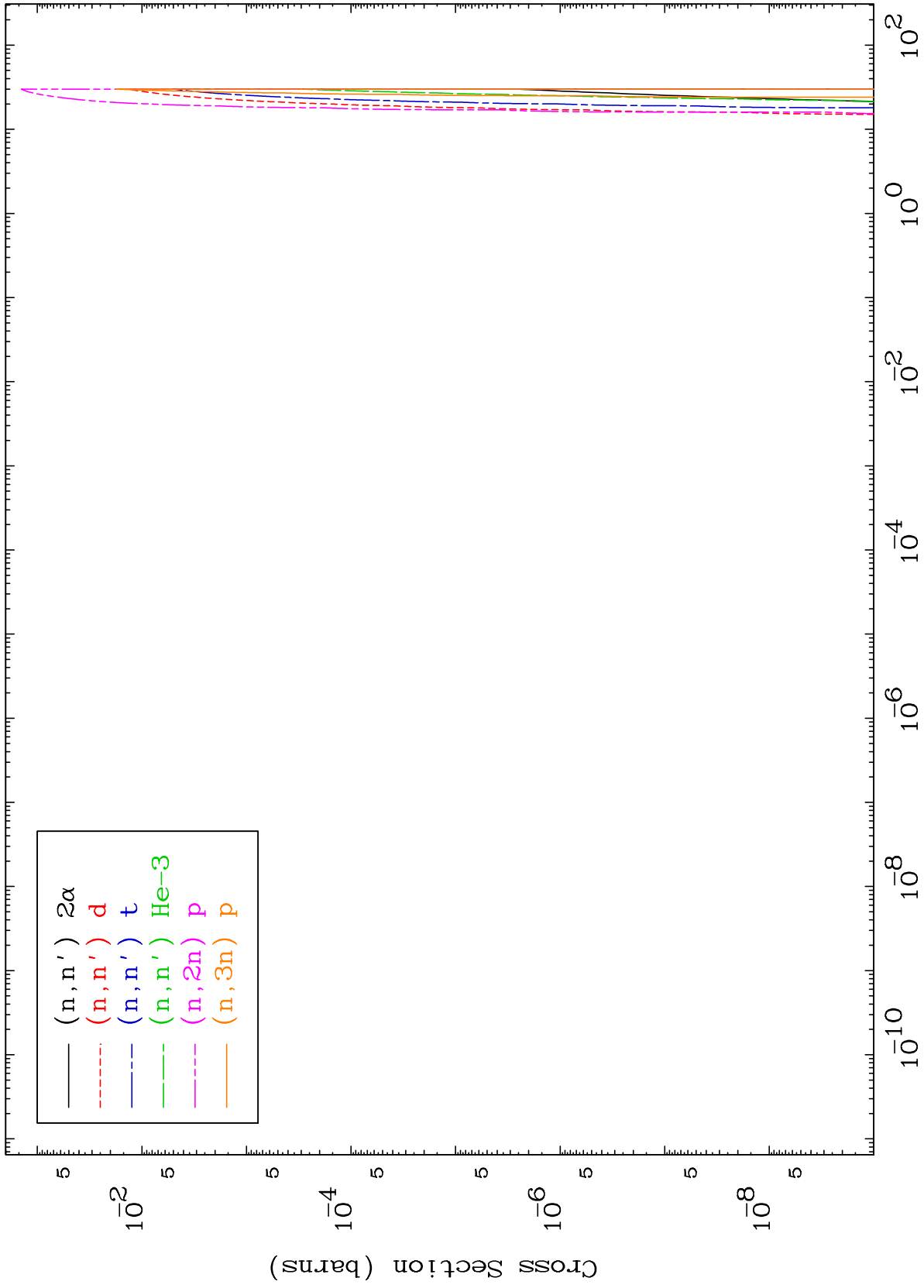
Incident Energy (MeV)

61-Pm-141

MAT 6131

Neutron Production
293 Kelvin Cross Sections

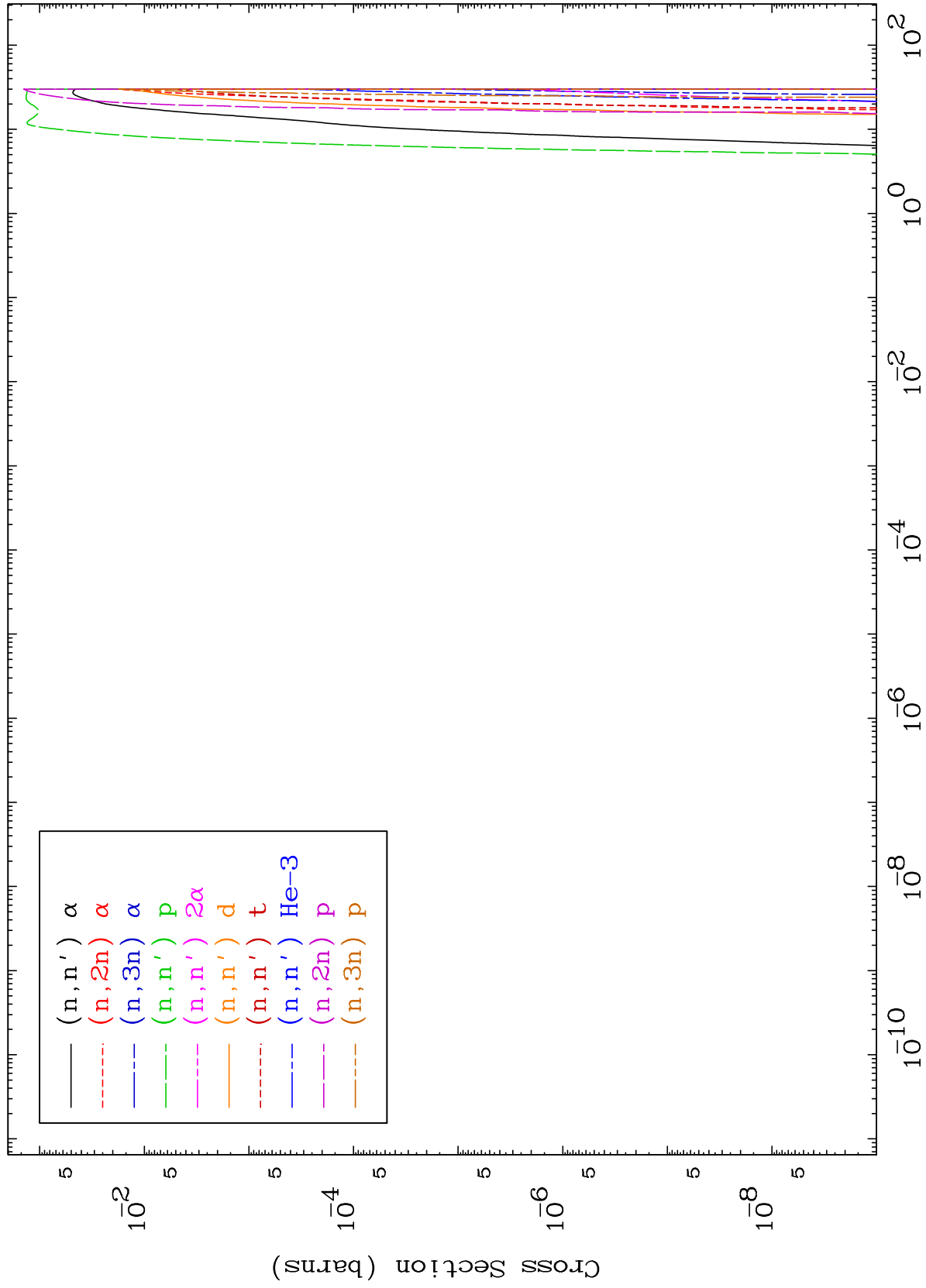
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MAT 6131

Charged Particle
293 Kelvin Cross Sections

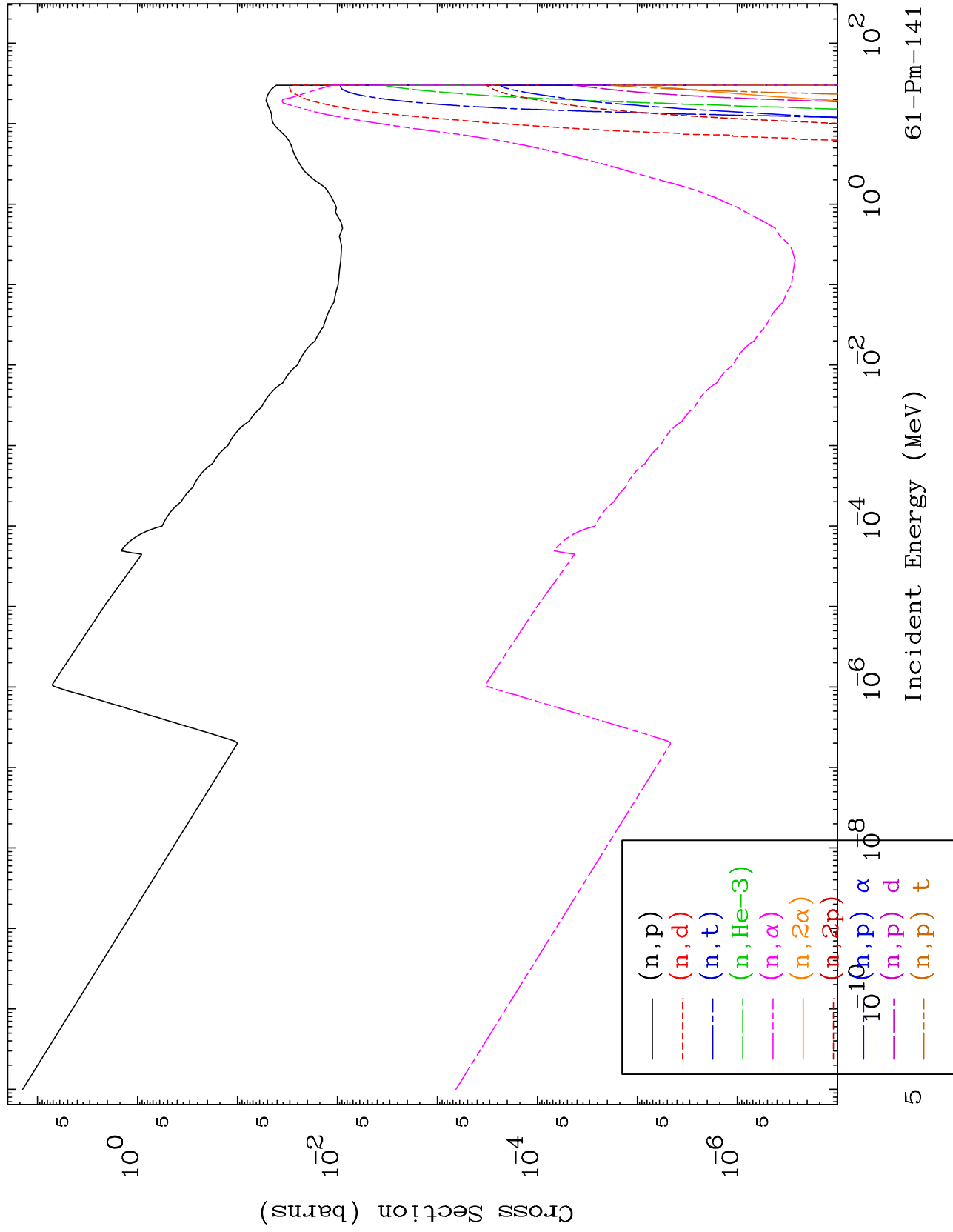
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MAT 6131

Charged Particle
293 Kelvin Cross Sections

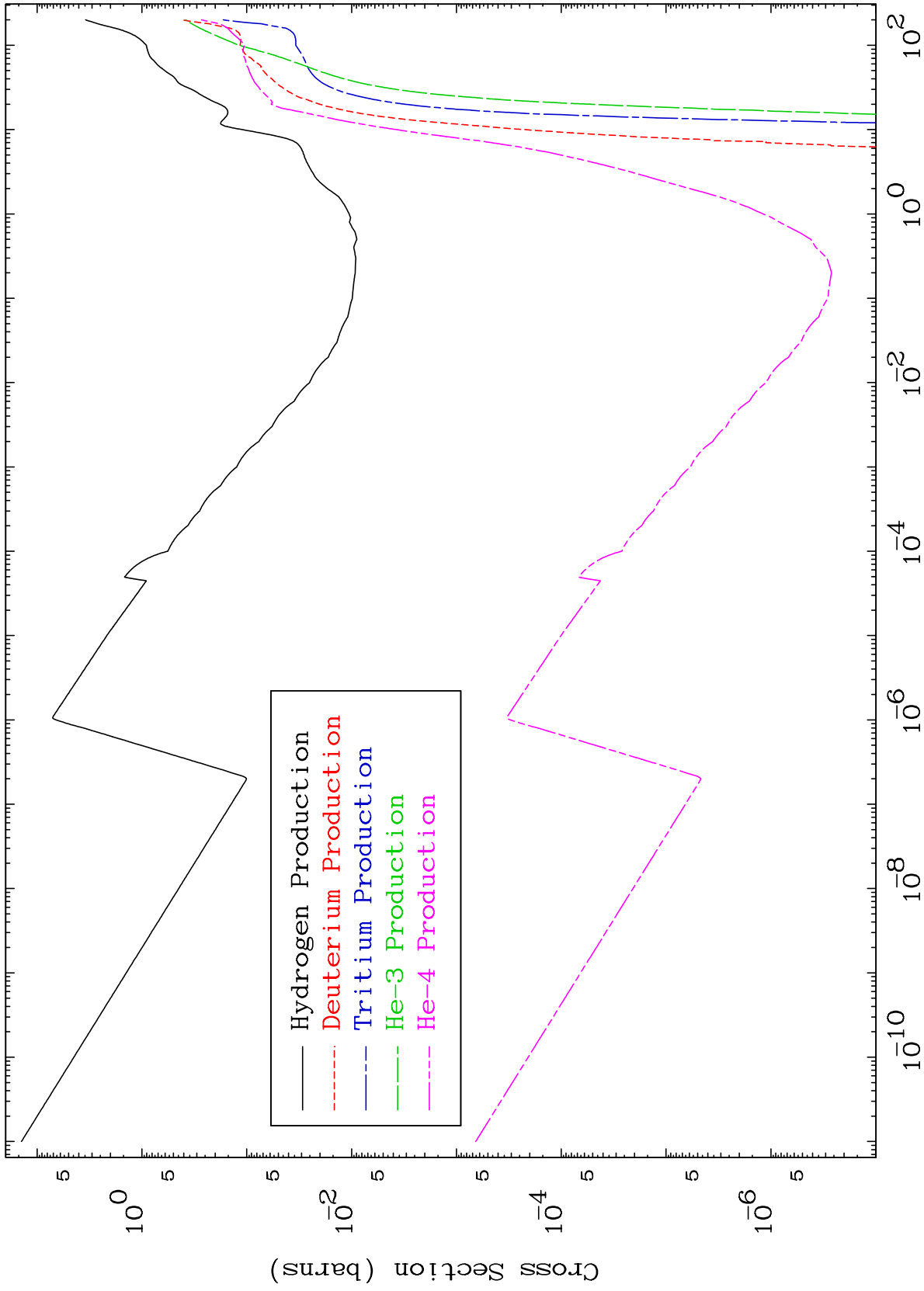
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MAT 6131

Particle Production
293 Kelvin Cross Sections

61-Pm-141

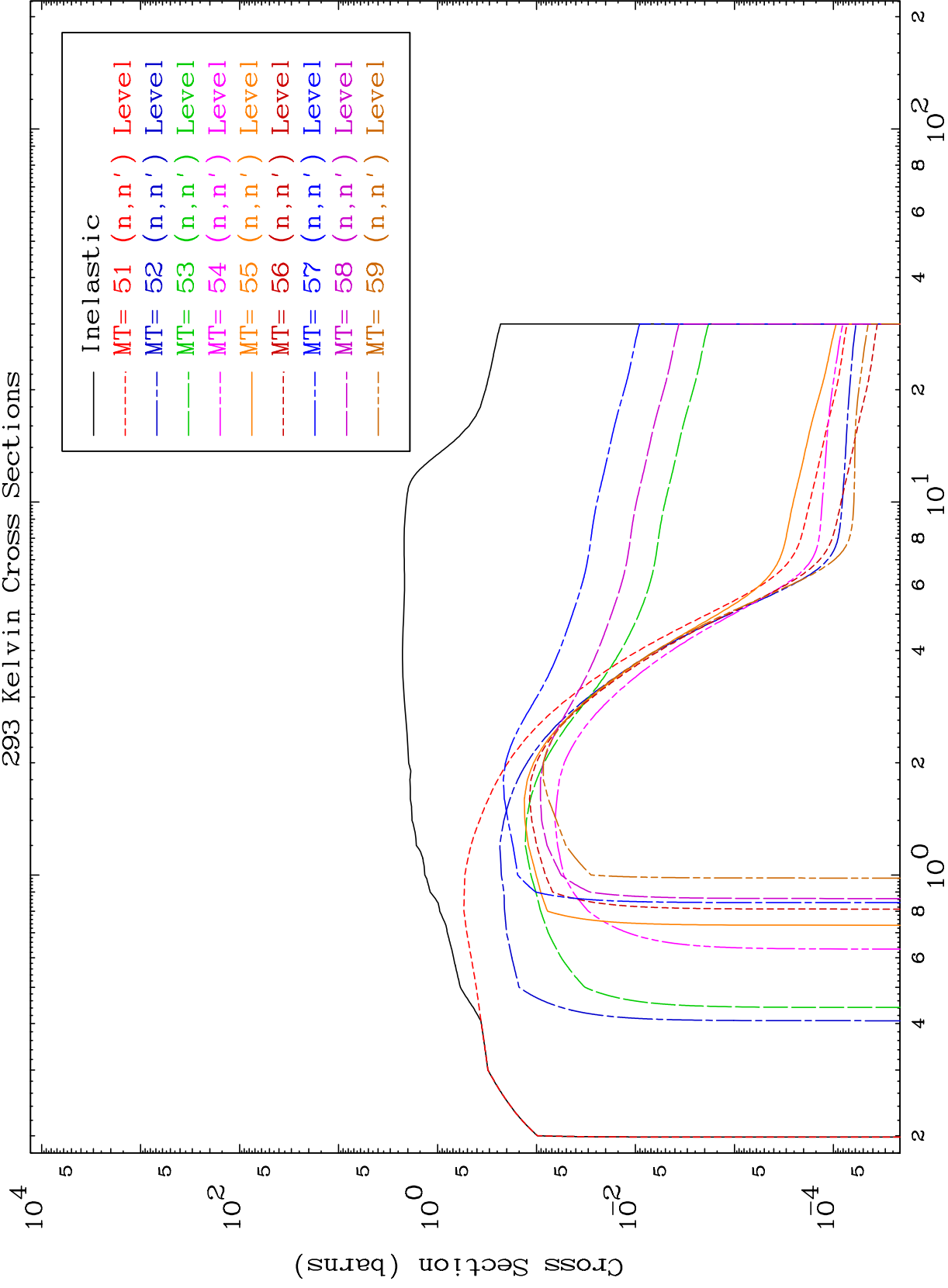


MAT 6131

(n,n') Level

61-Pm-141

293 Kelvin Cross Sections



7

Incident Energy (MeV)

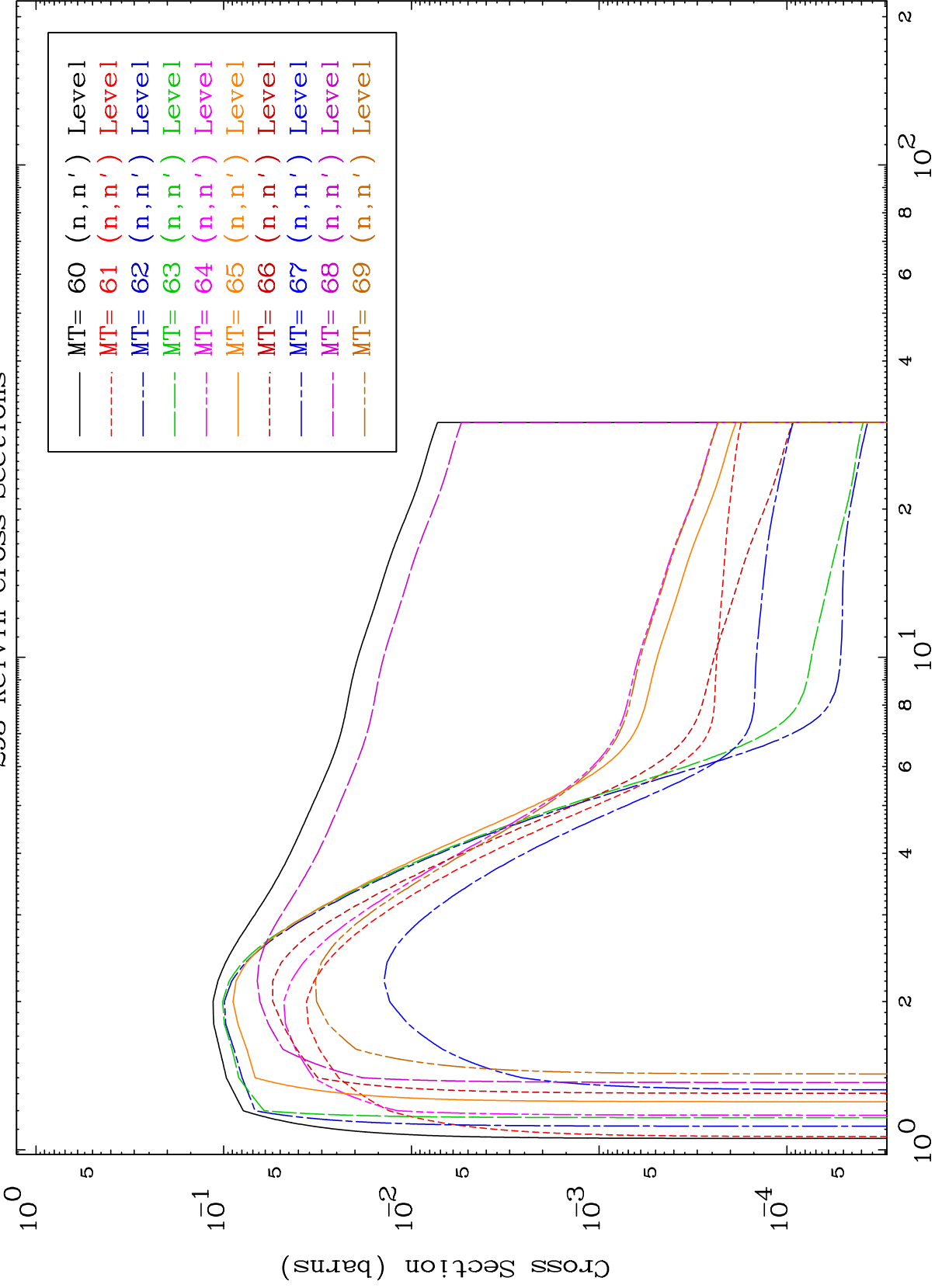
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MAT 6131

(n,n') Level

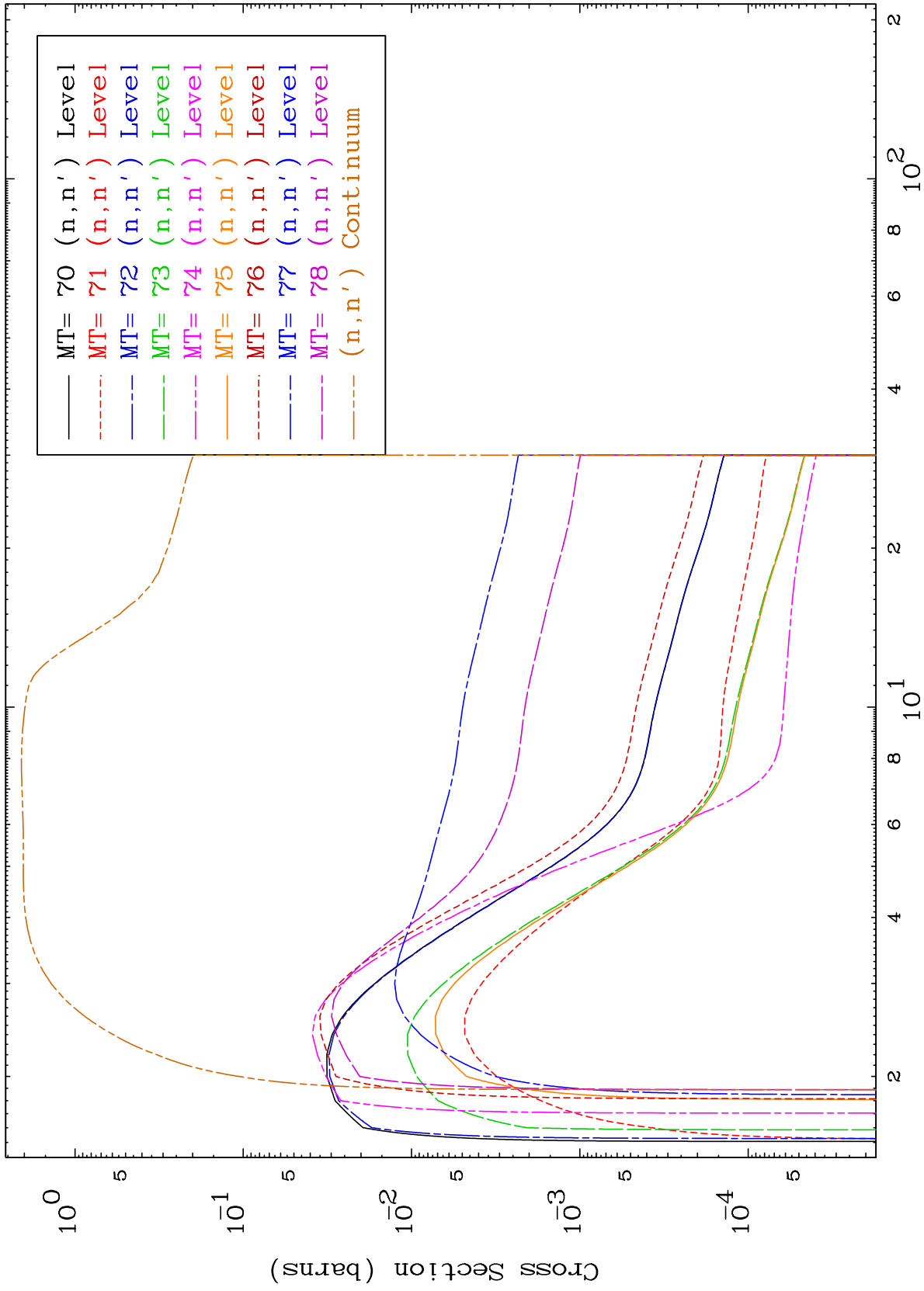
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293 Kelvin Cross Sections



Incident Energy (MeV)

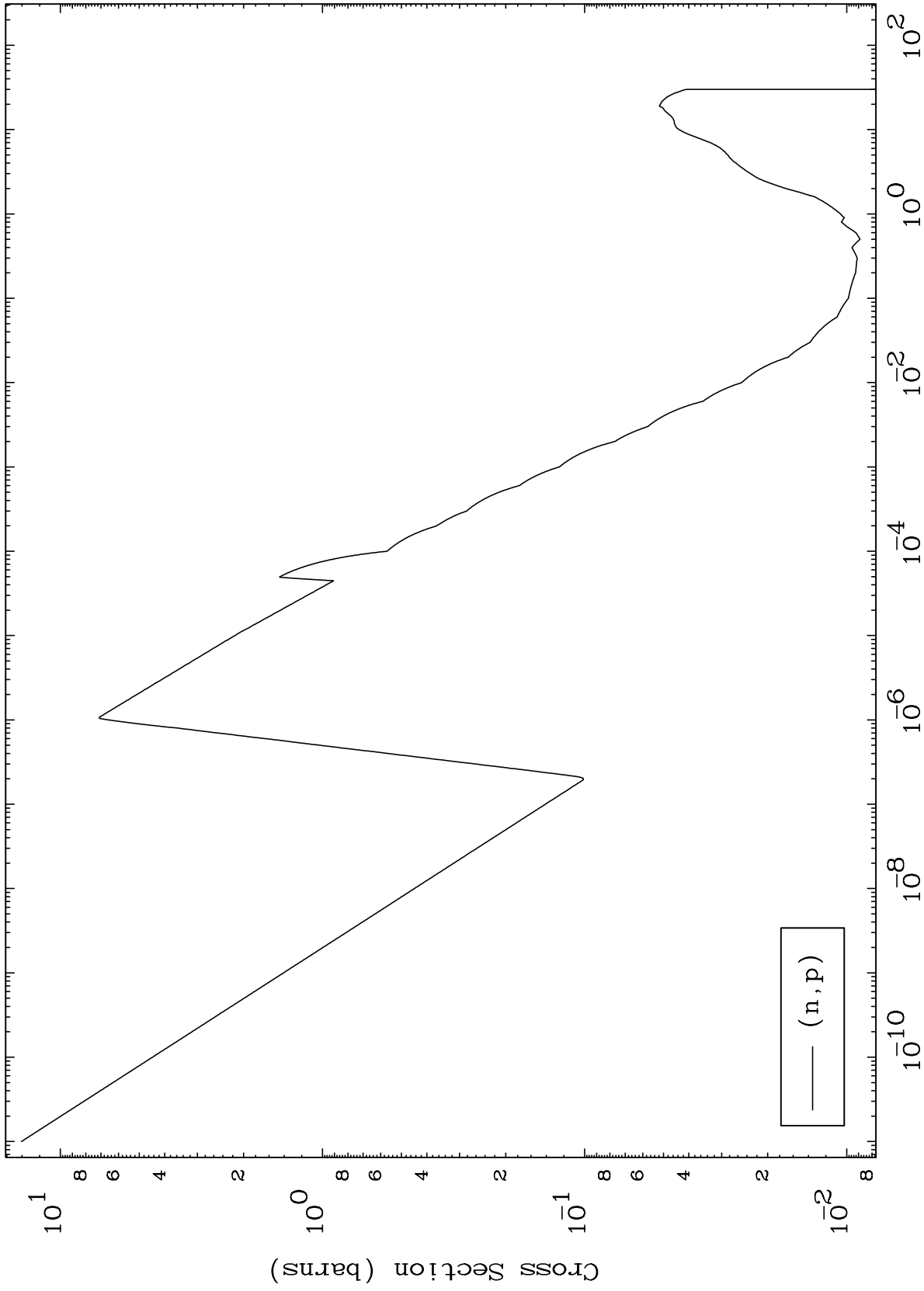
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MAT 6131

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-141



10

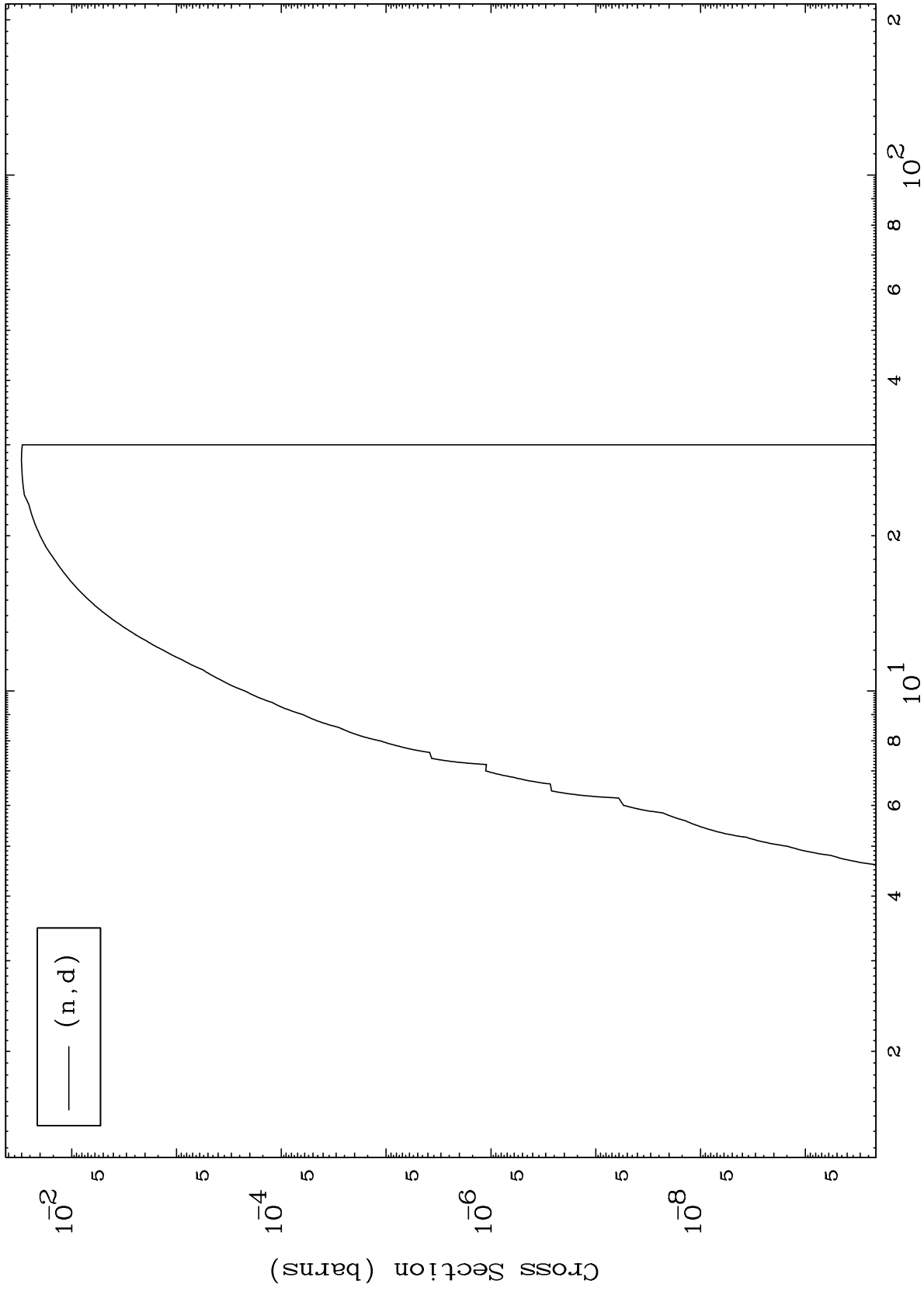
Incident Energy (MeV)

61-Pm-141

MAT 6131

(n,d) Levels
293 Kelvin Cross Sections

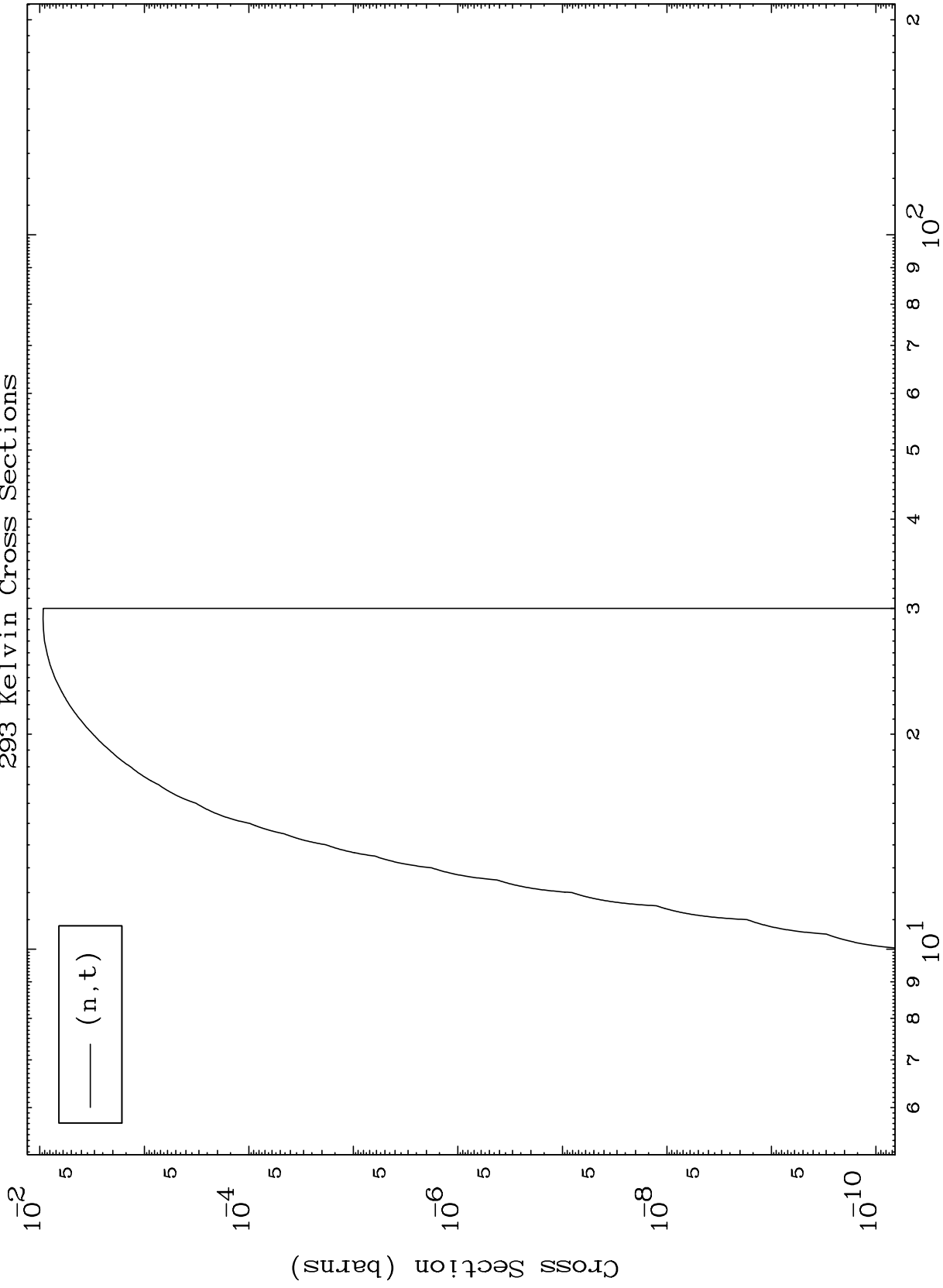
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MAT 6131

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-141



12

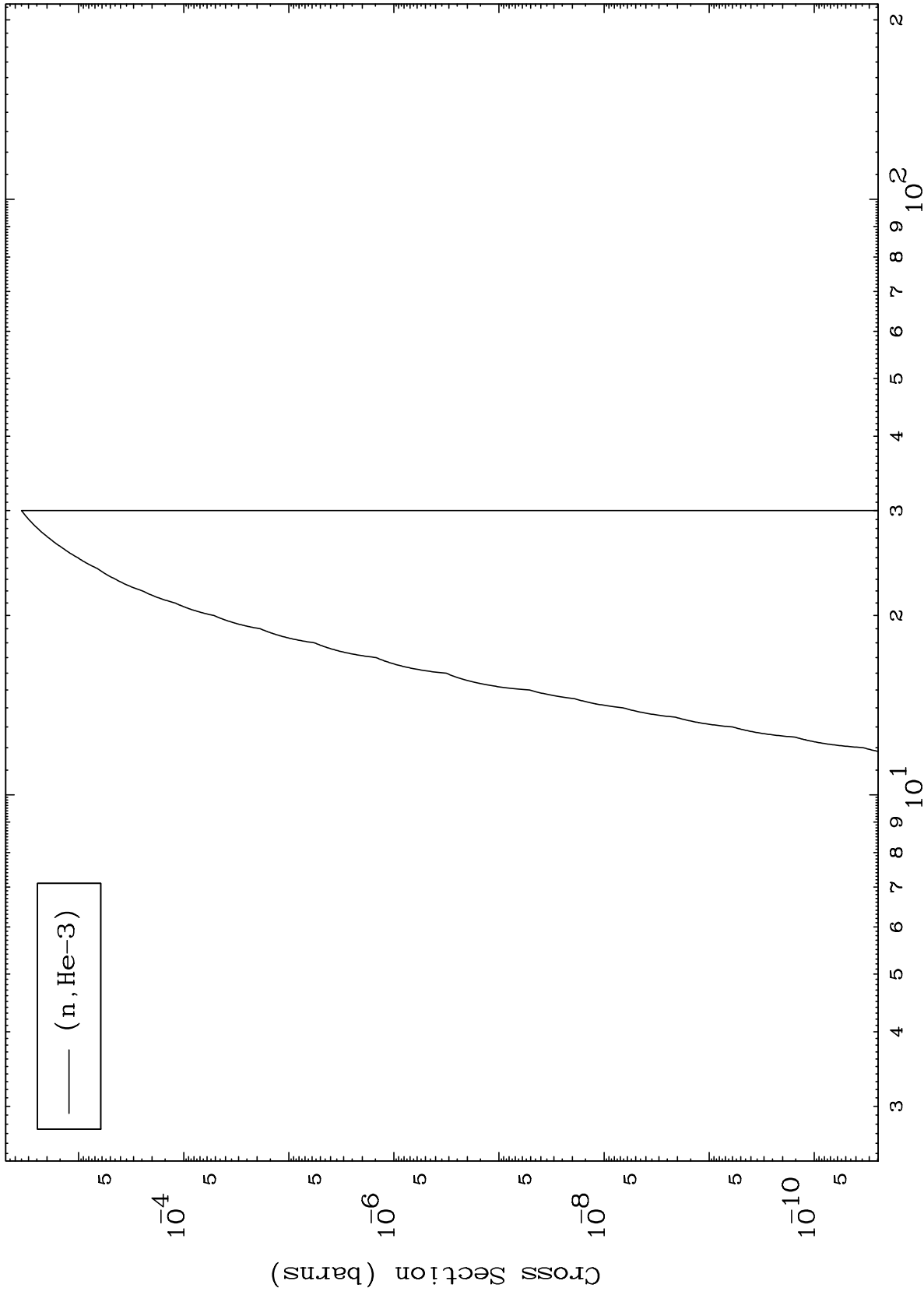
Incident Energy (MeV)

61-Pm-141

MAT 6131

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-141



13

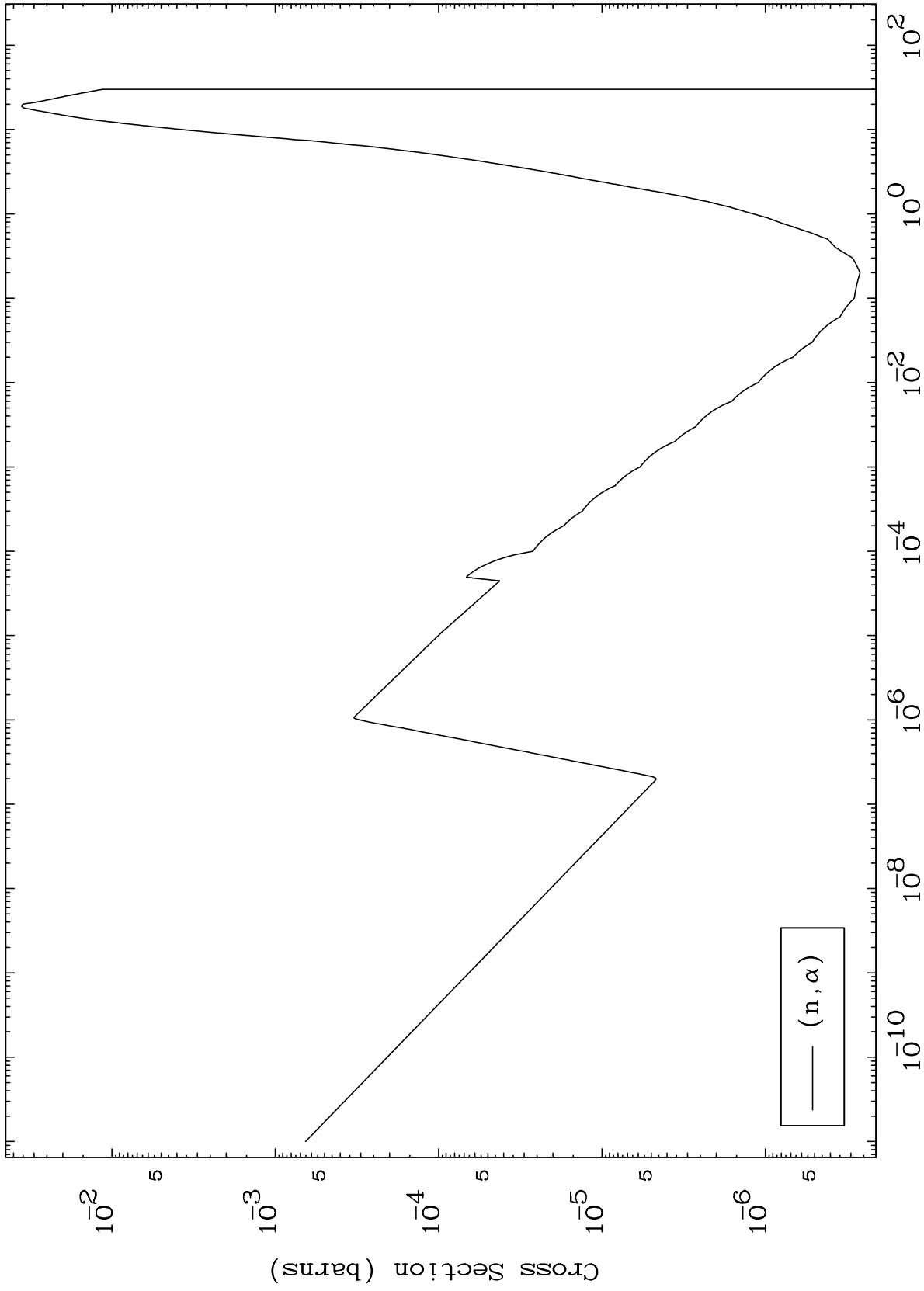
Incident Energy (MeV)

61-Pm-141

MAT 6131

(n,α) Levels
293 Kelvin Cross Sections

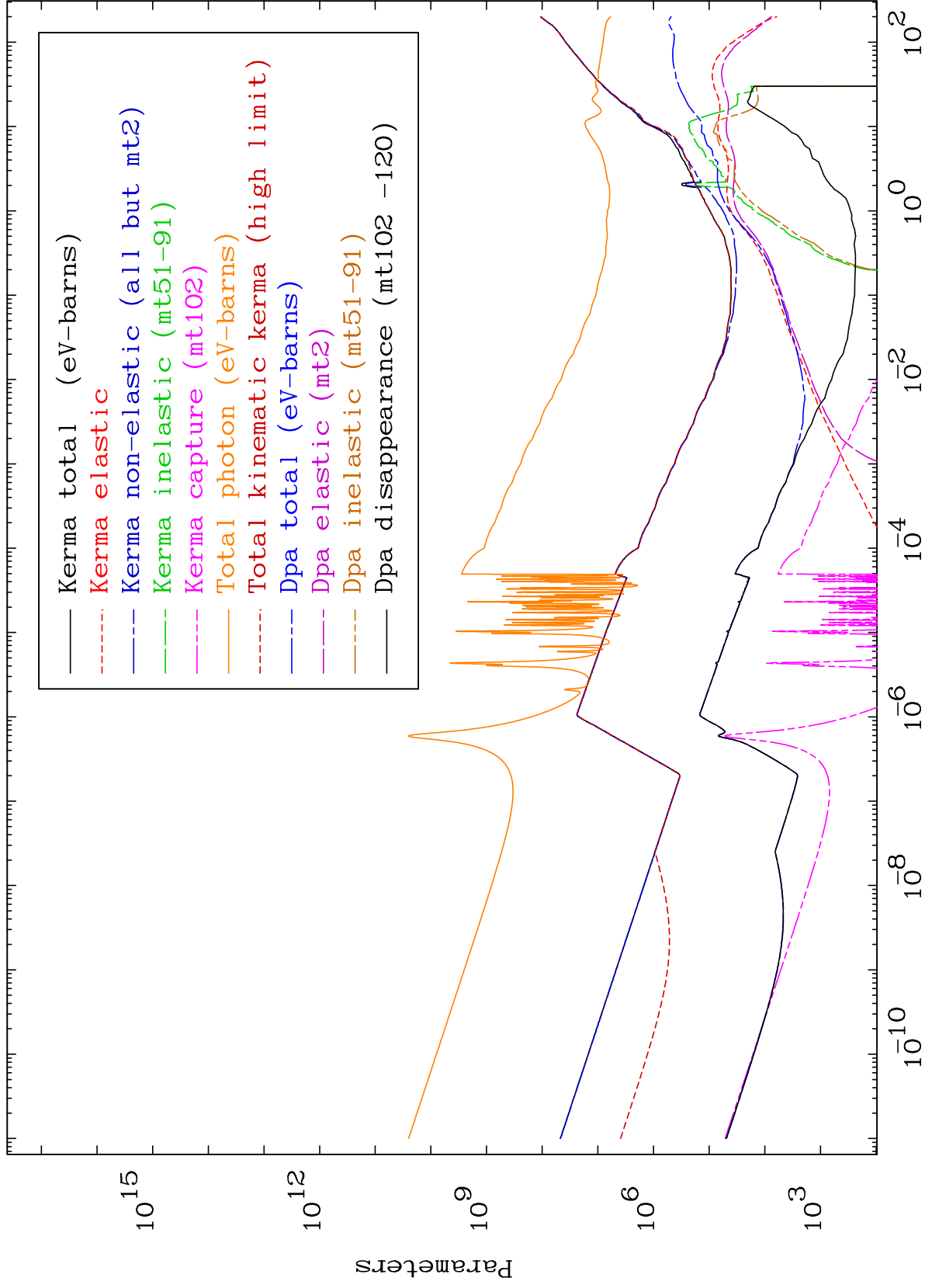
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14

Incident Energy (MeV)

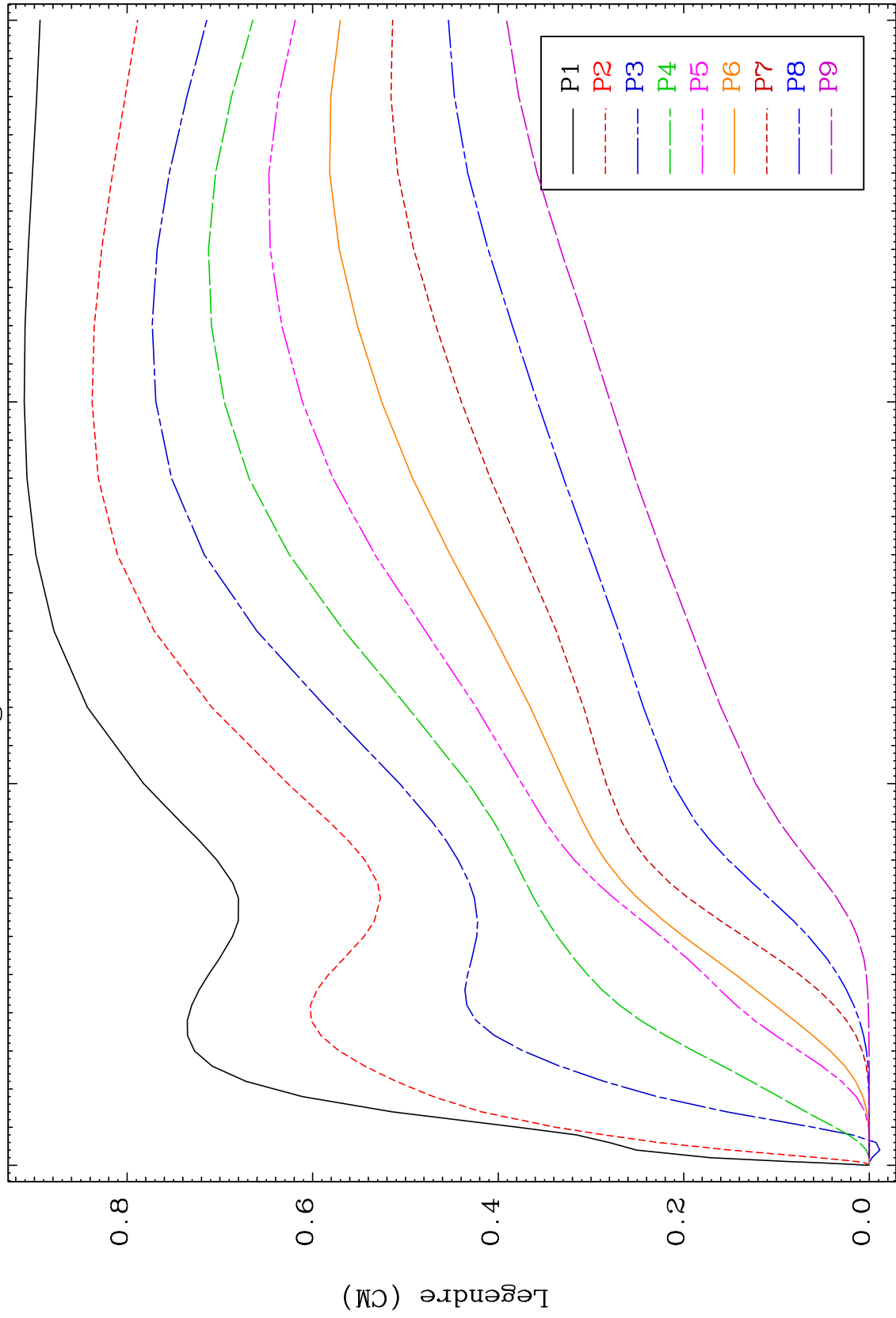
61-Pm-141



MAT 6131

Elastic Legendre Coefficients

61-Pm-141



16

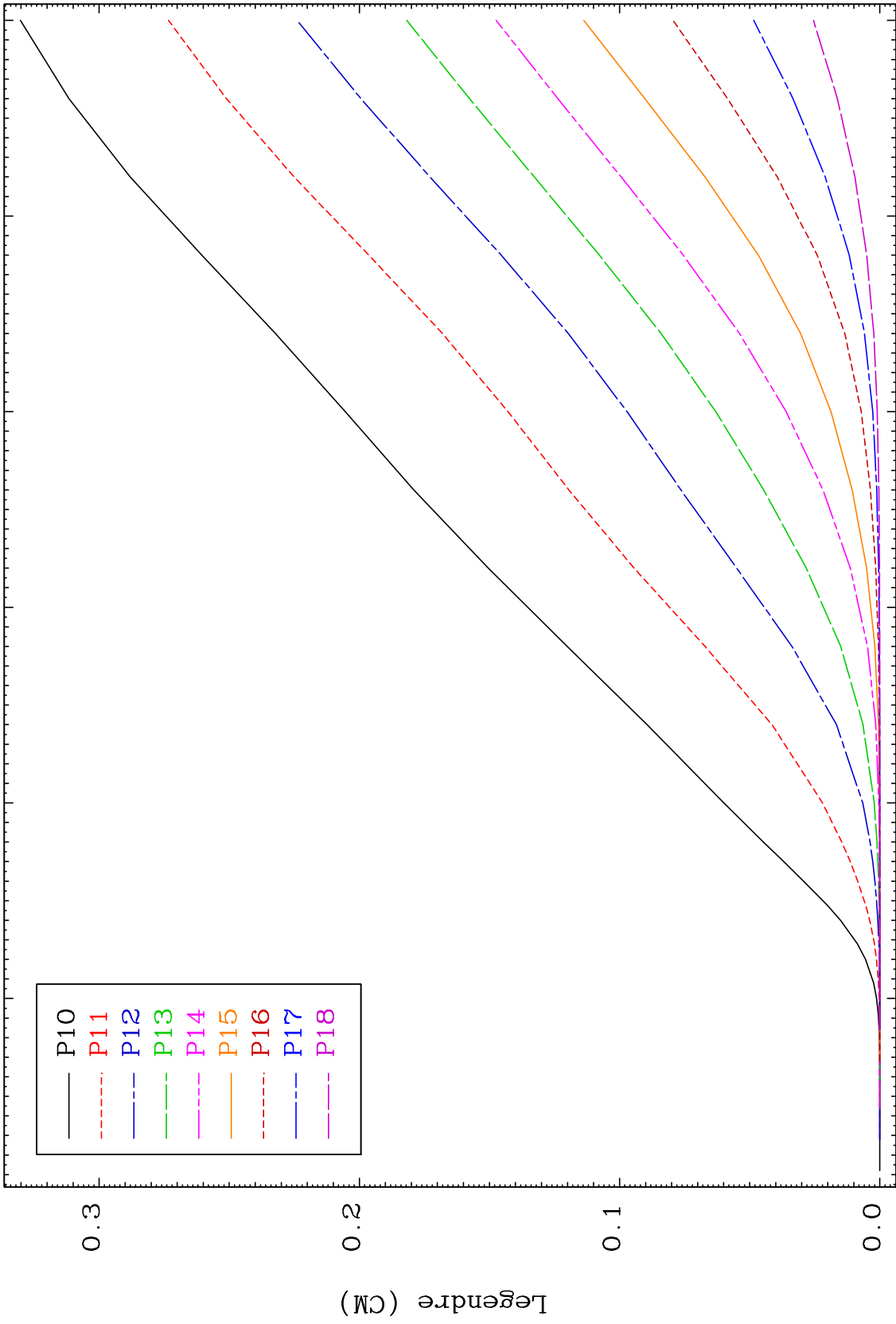
Incident Energy (MeV)

61-Pm-141

MAT 6131

Elastic Legendre Coefficients

61-Pm-141



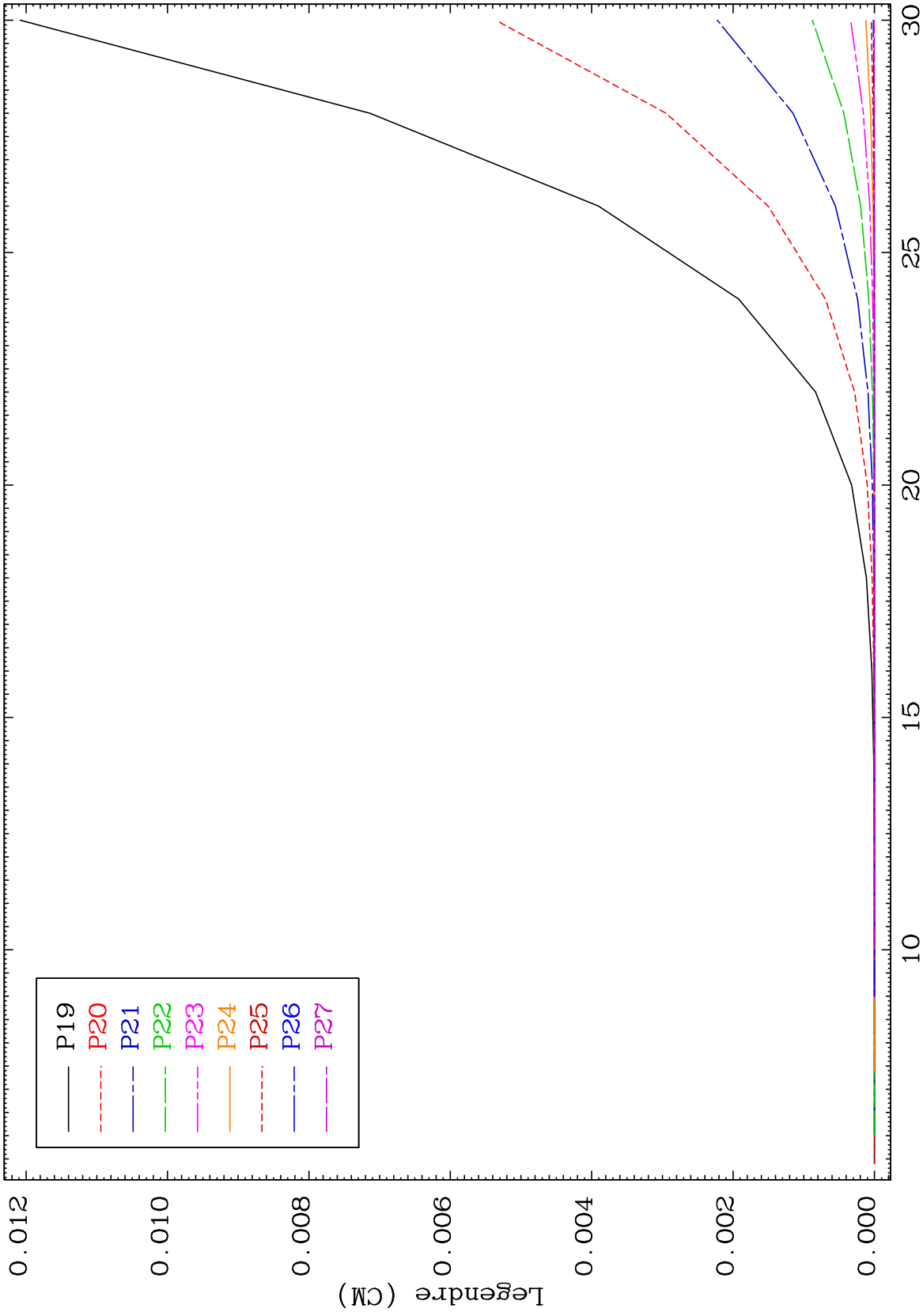
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61-Pm-141

MAT 6131

Elastic Legendre Coefficients

61-Pm-141



18

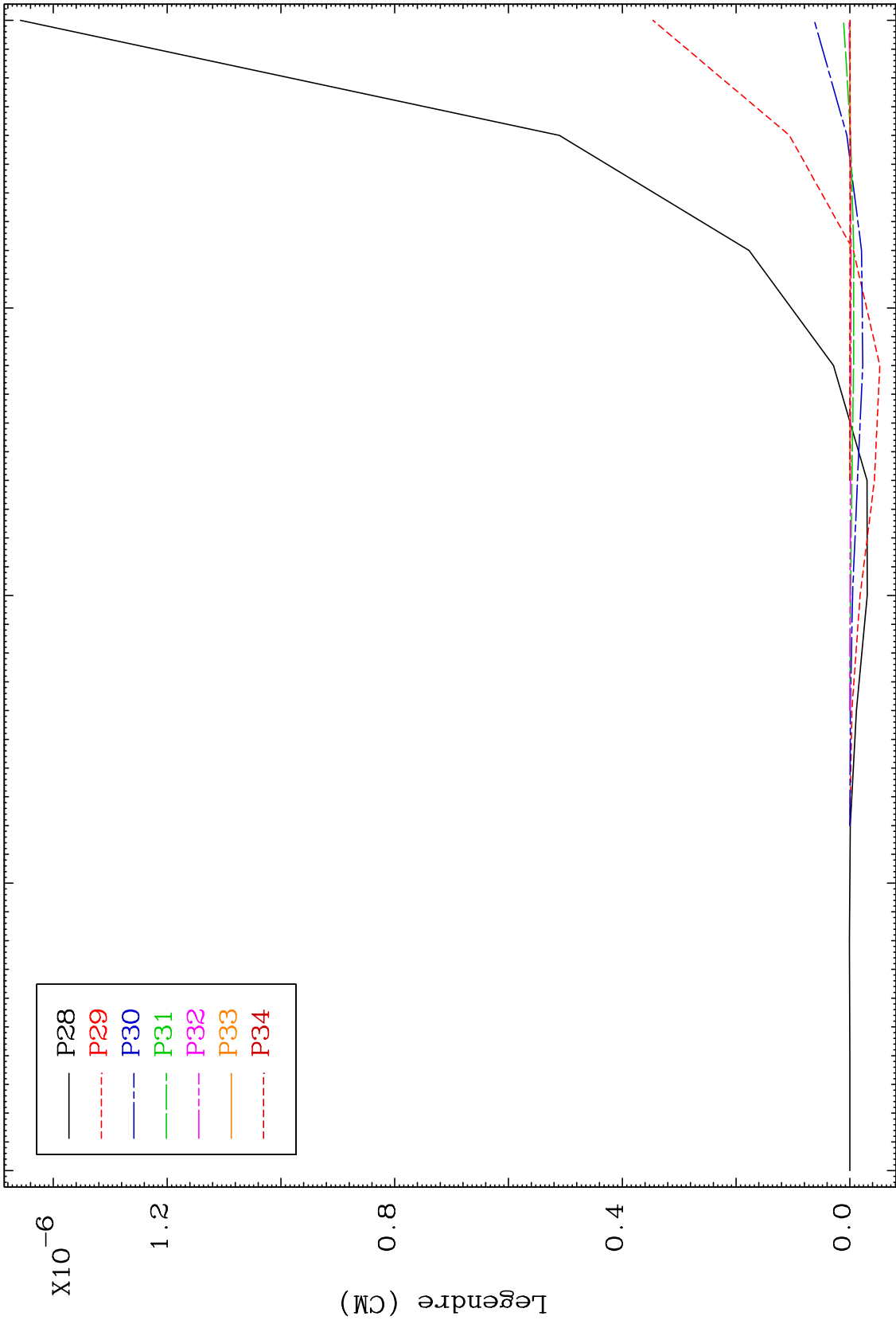
Incident Energy (MeV)

61-Pm-141

MAT 6131

Elastic Legendre Coefficients

61-Pm-141

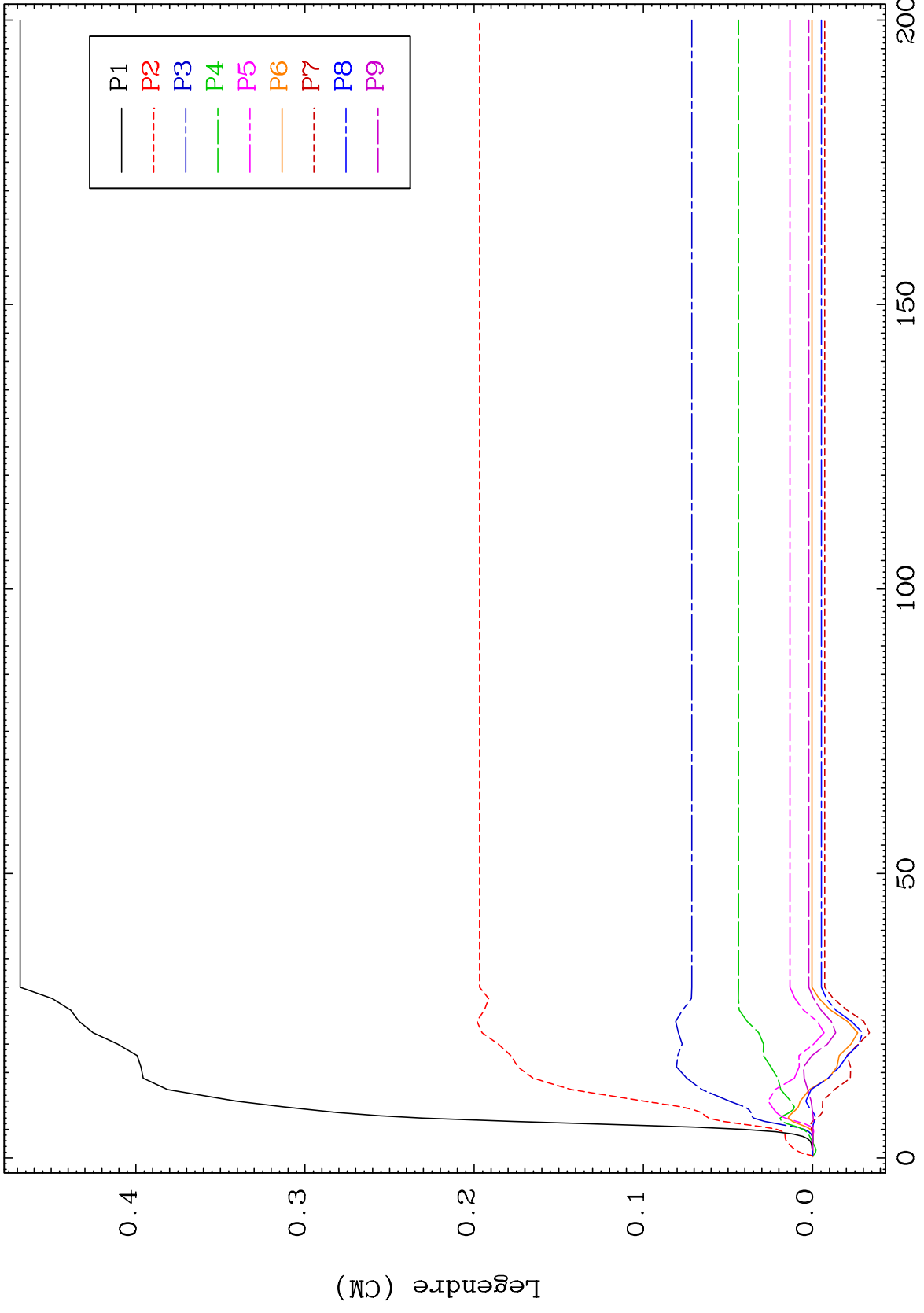


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Incident Energy (MeV)

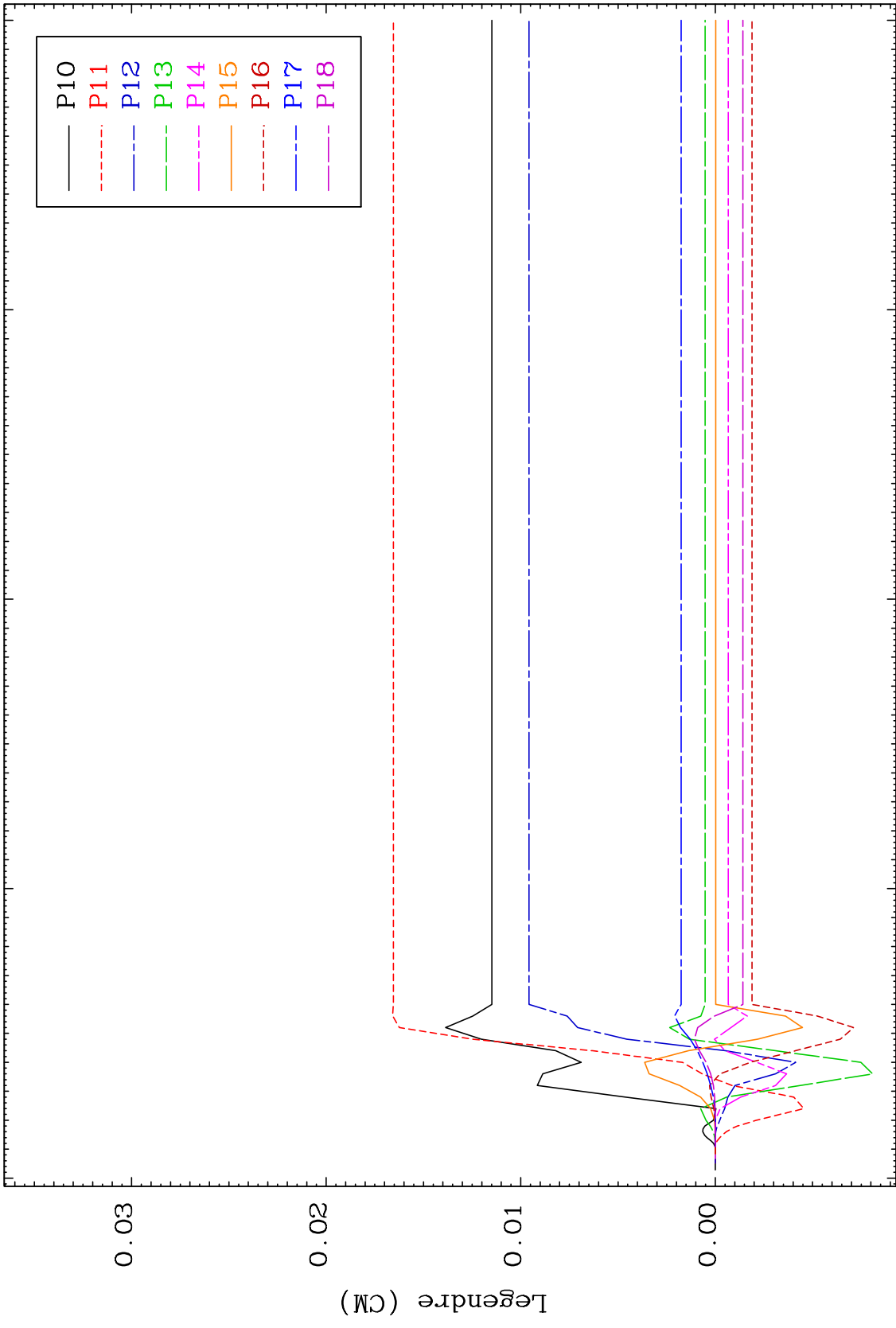
61-Pm-141

MAT 6131 MT= 51 (n,n') Level Legendre Coefficients 61-Pm-141



61-Pm-141

MAT 6131 MT= 51 (n,n') Level Legendre Coefficients 61-Pm-141

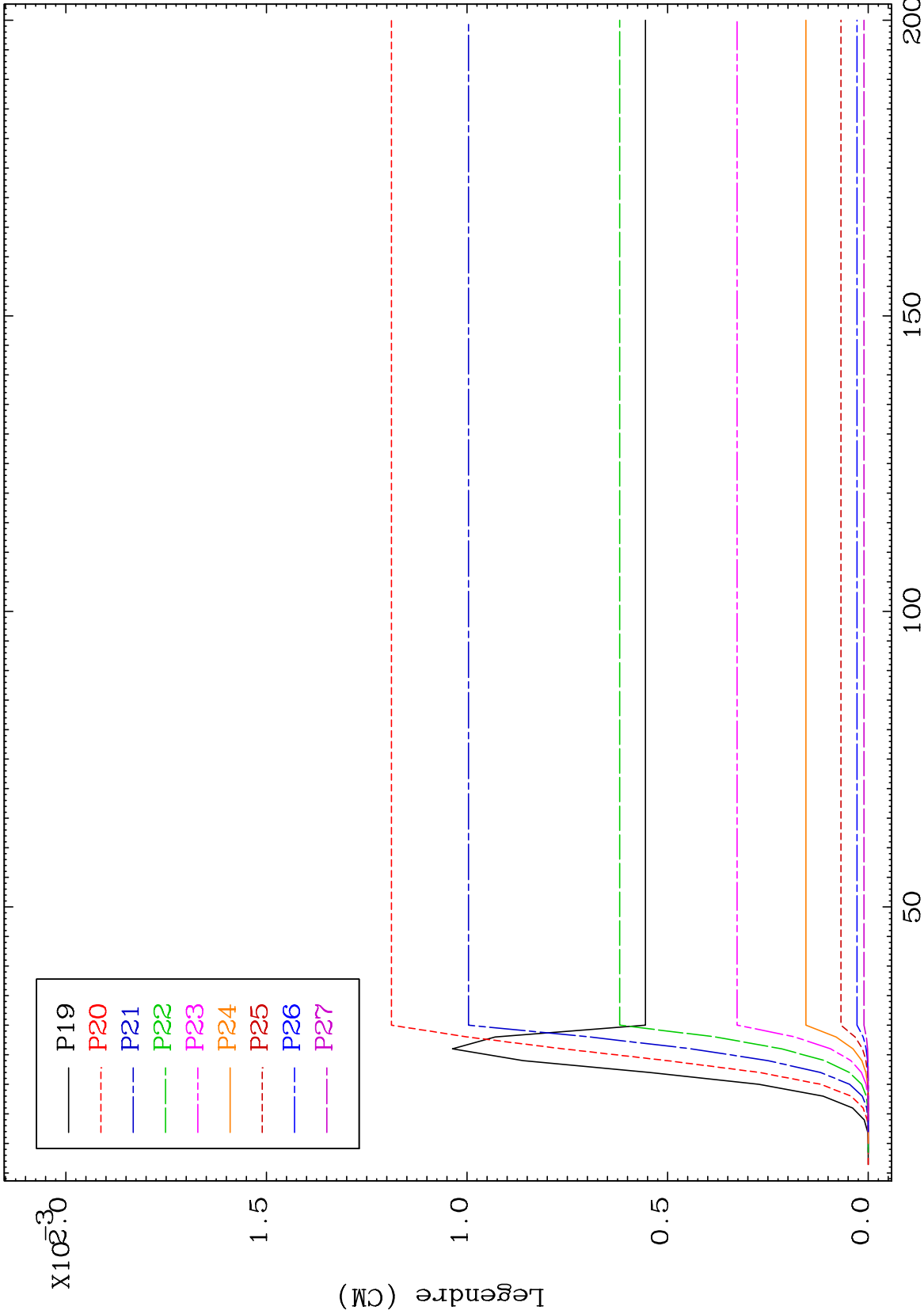


21 61-Pm-141

MAT 6131

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

61-Pm-141



22

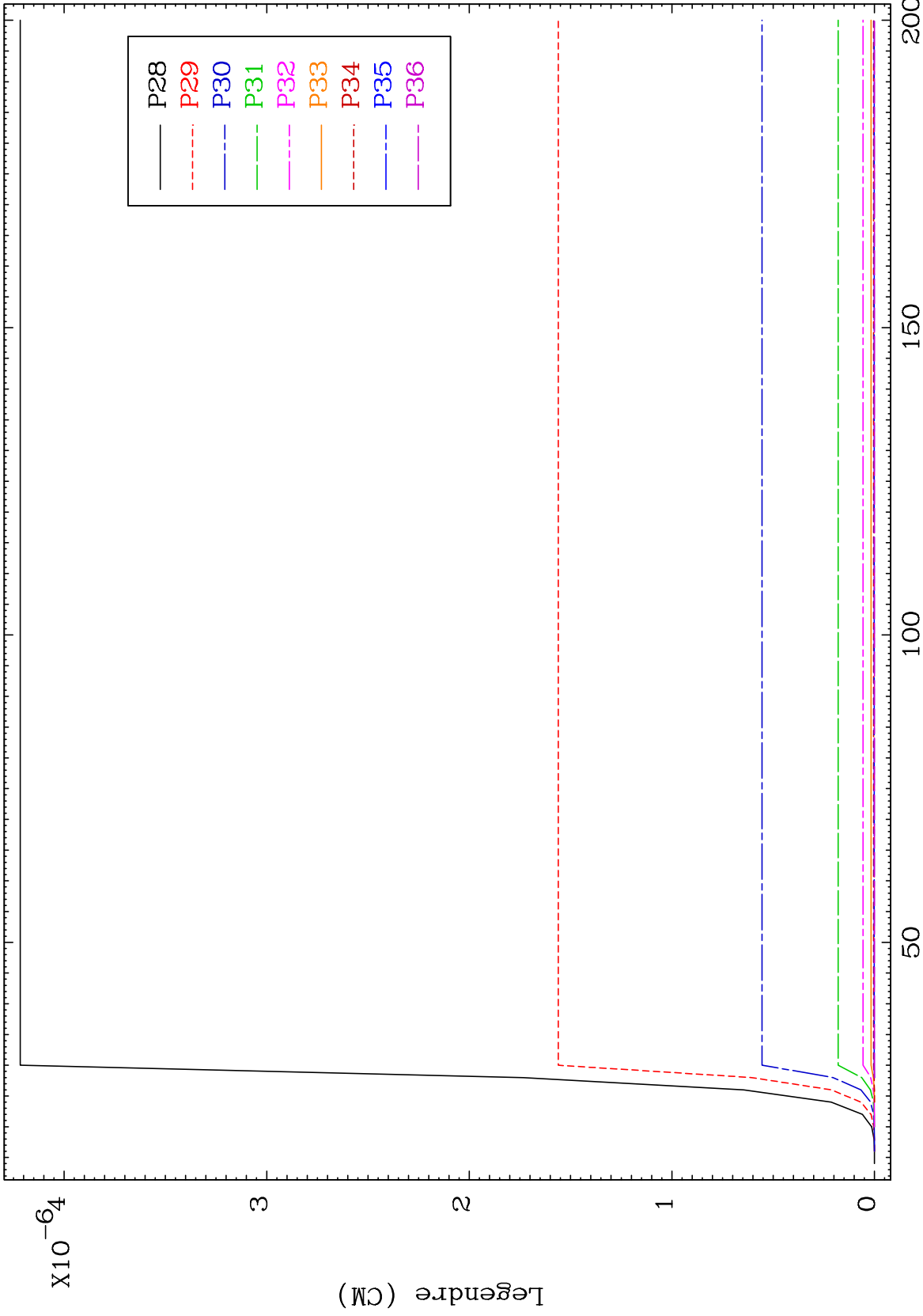
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



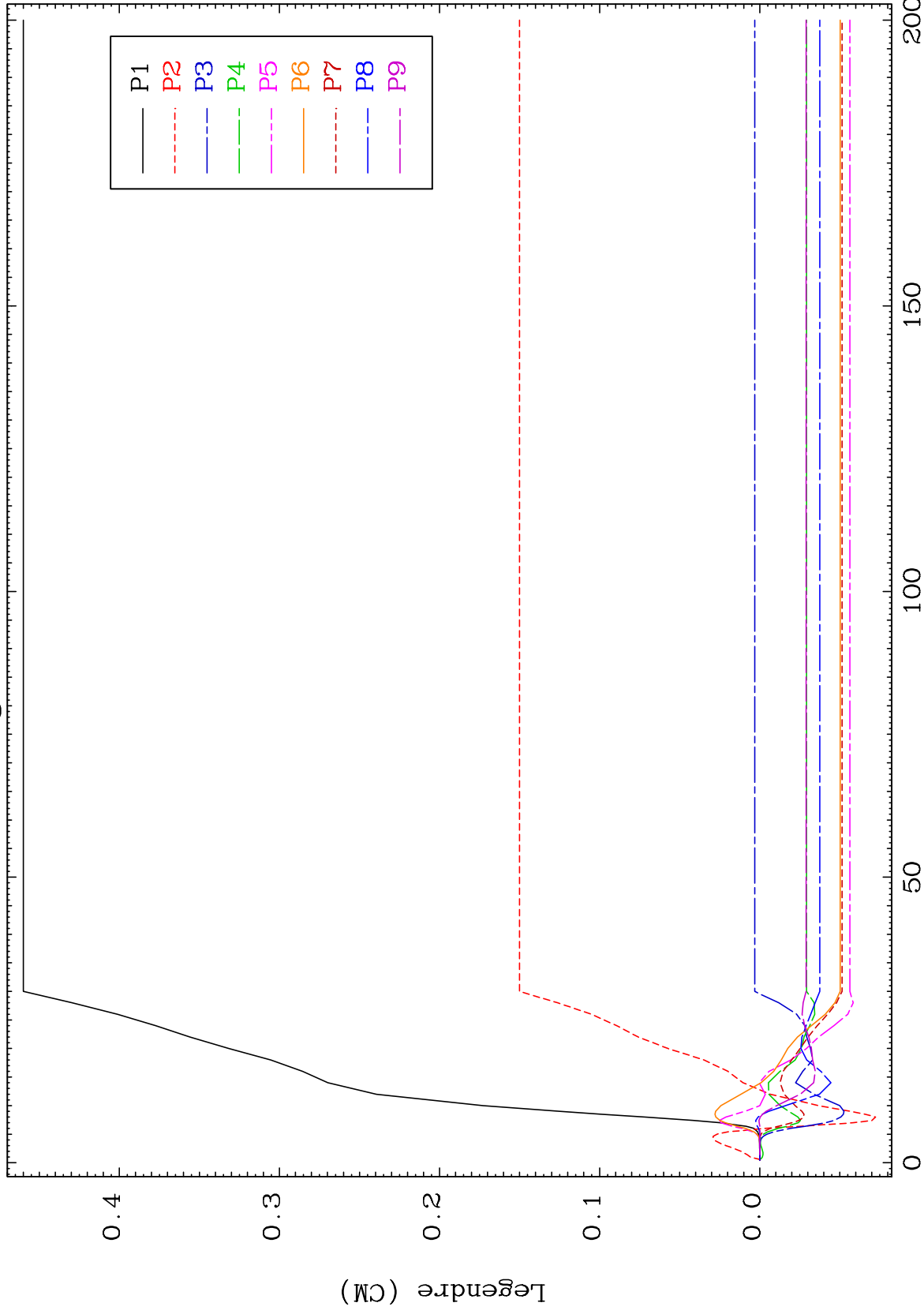
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61-Pm-141

MAT 6131

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

61-Pm-141



24

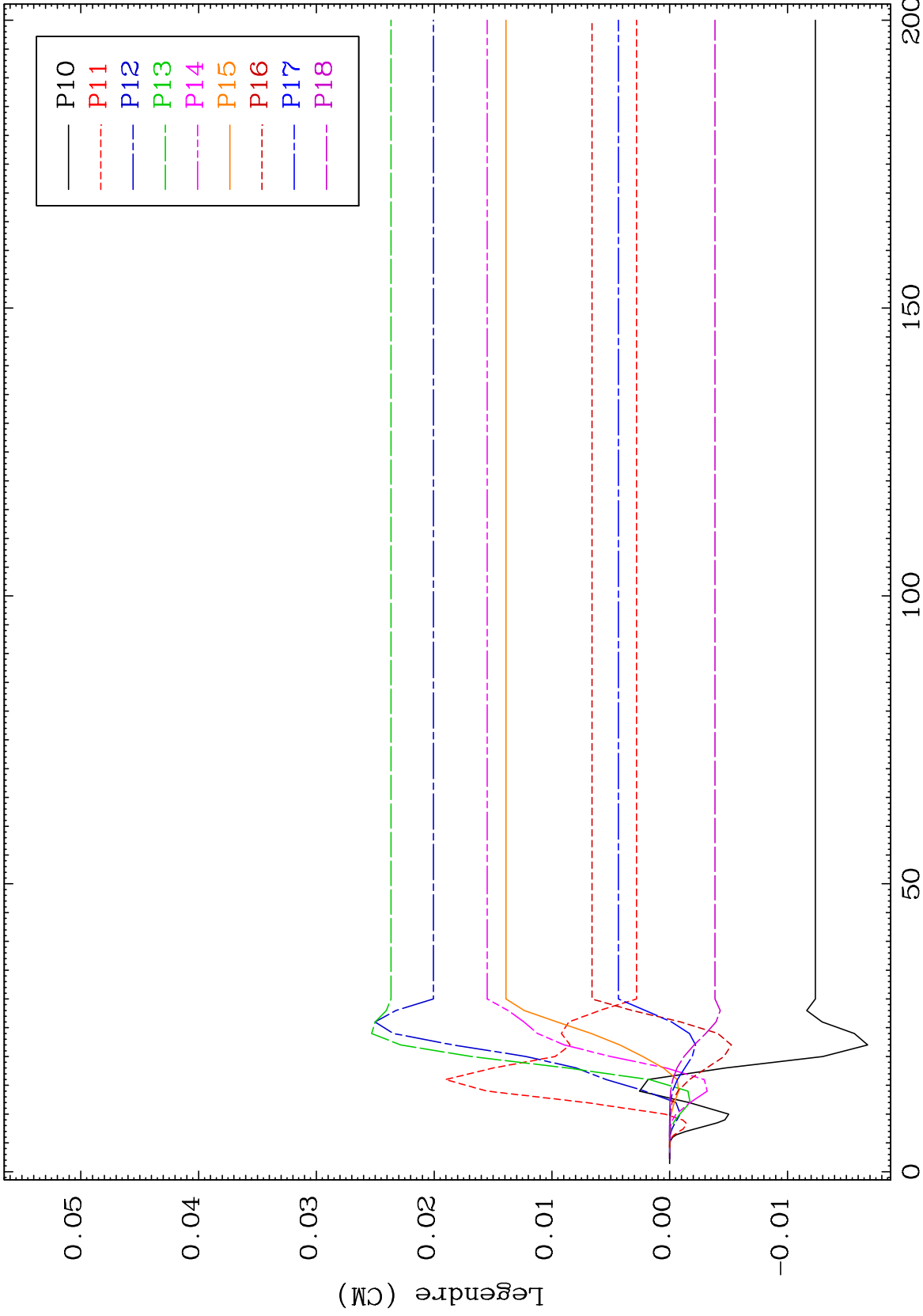
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



25

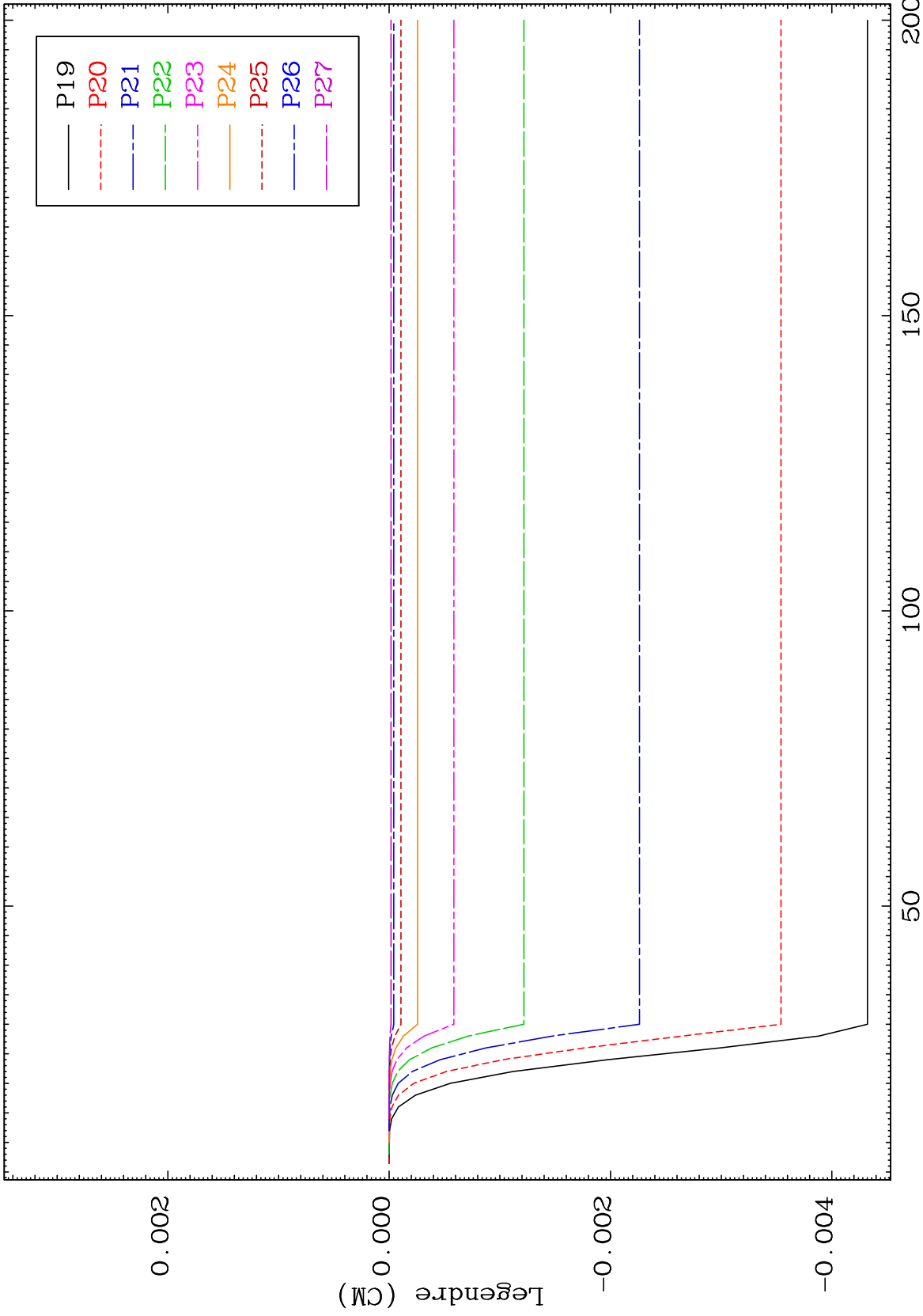
Incident Energy (MeV)

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MAT 6131

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

61-Pm-141

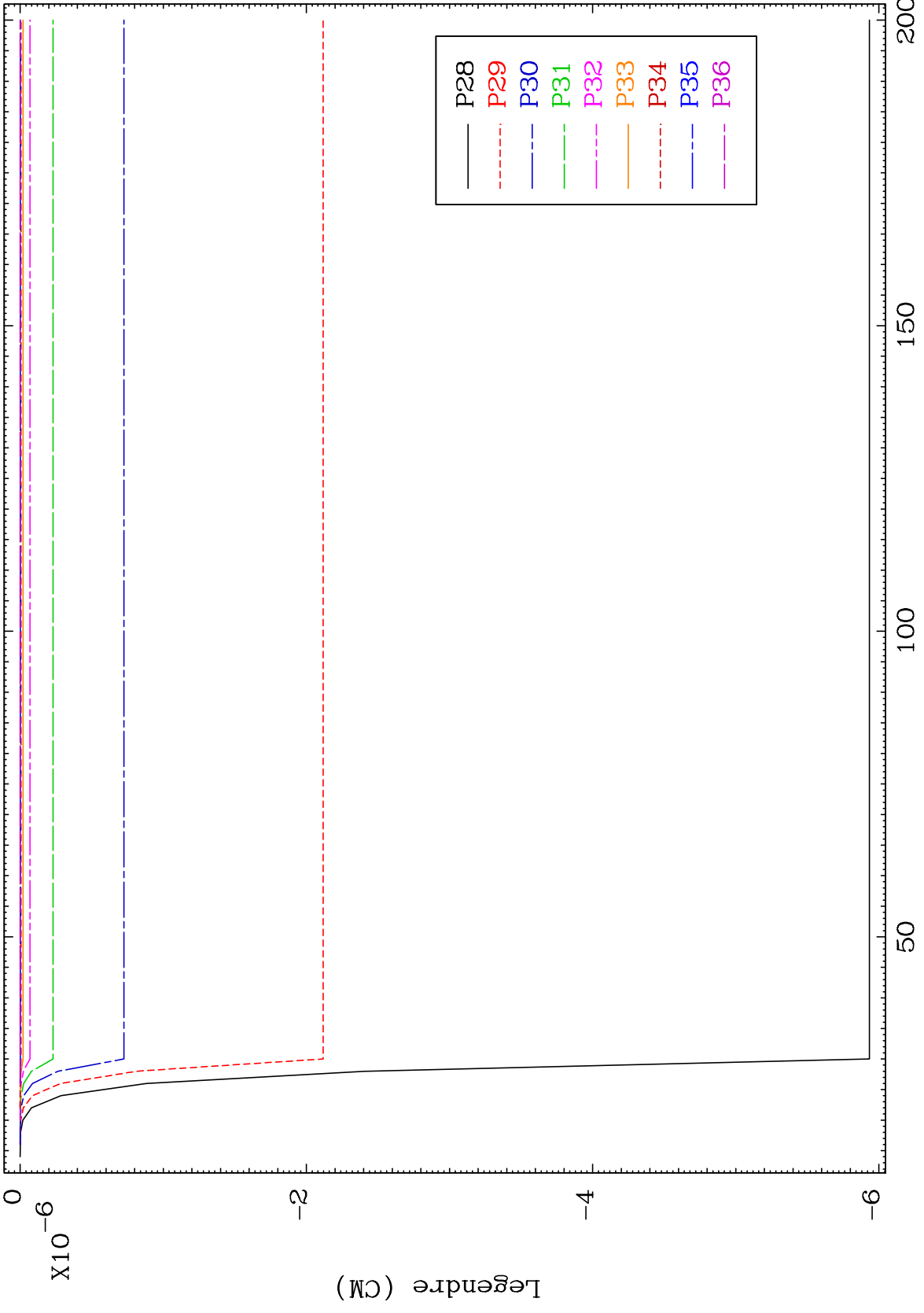


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Incident Energy (MeV)

61-Pm-141

MAT 6131 MT= 52 (n,n') Level Legendre Coefficients 61-Pm-141

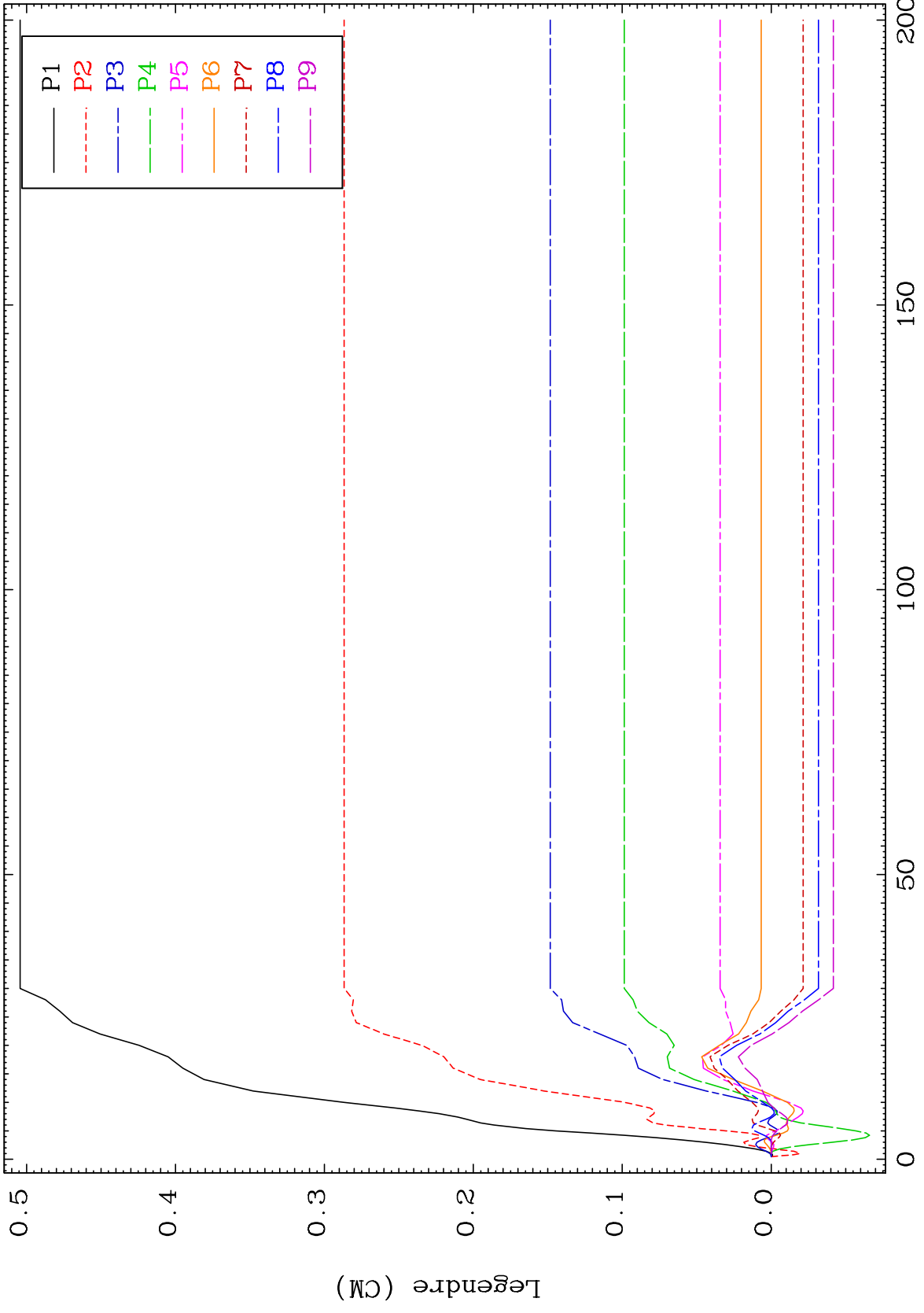


27 61-Pm-141

MAT 6131

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

61-Pm-141



28

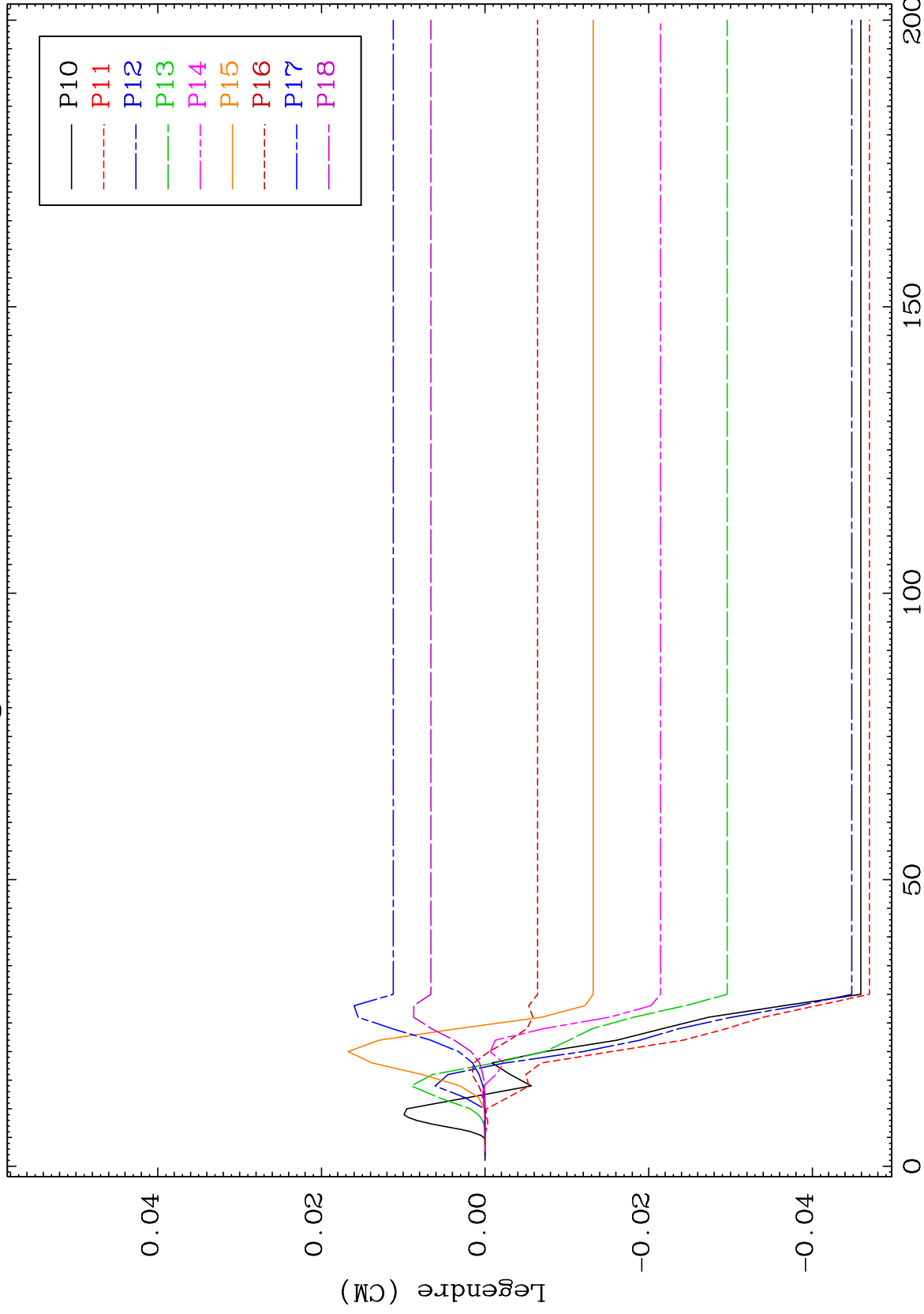
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



29

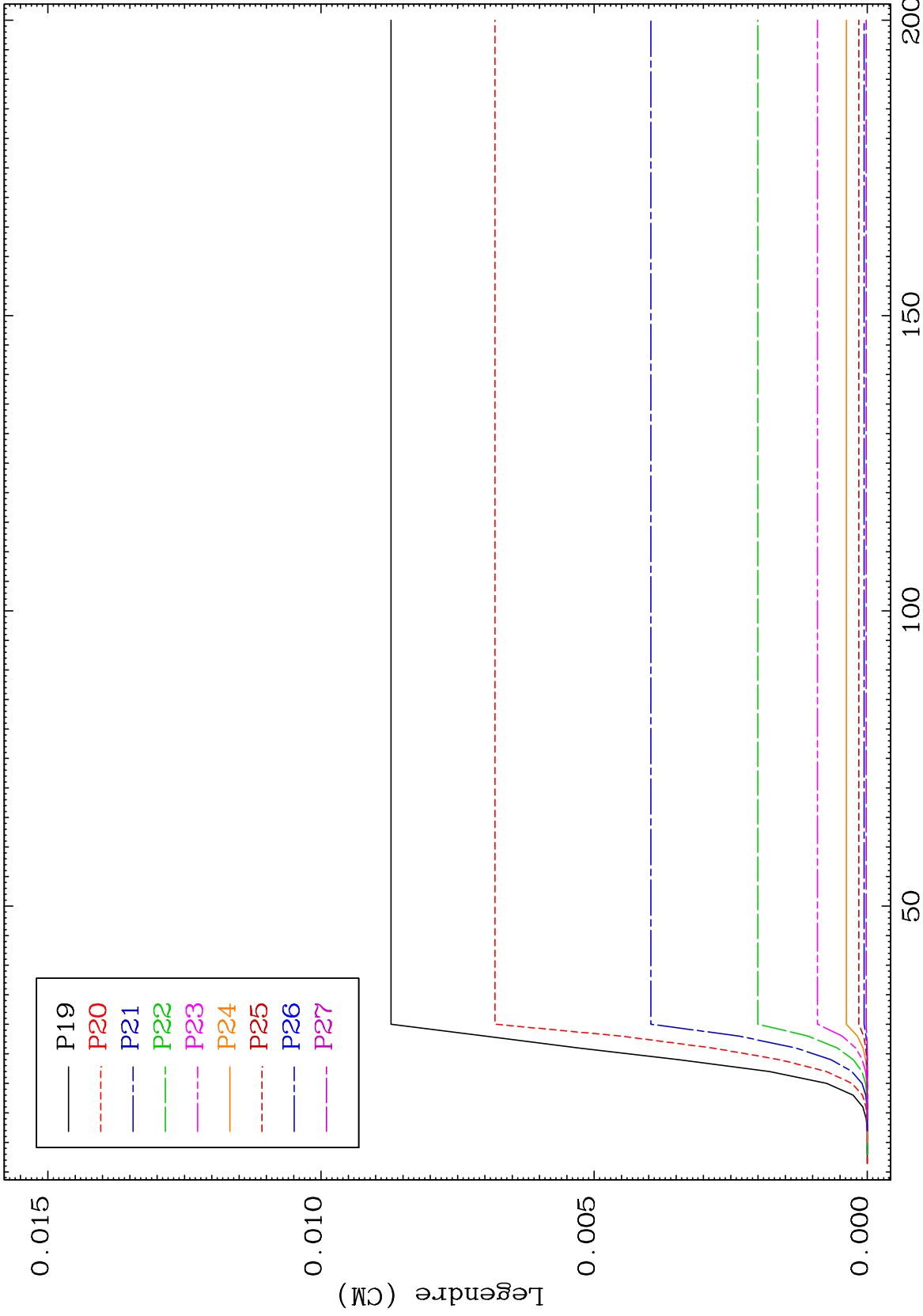
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



30

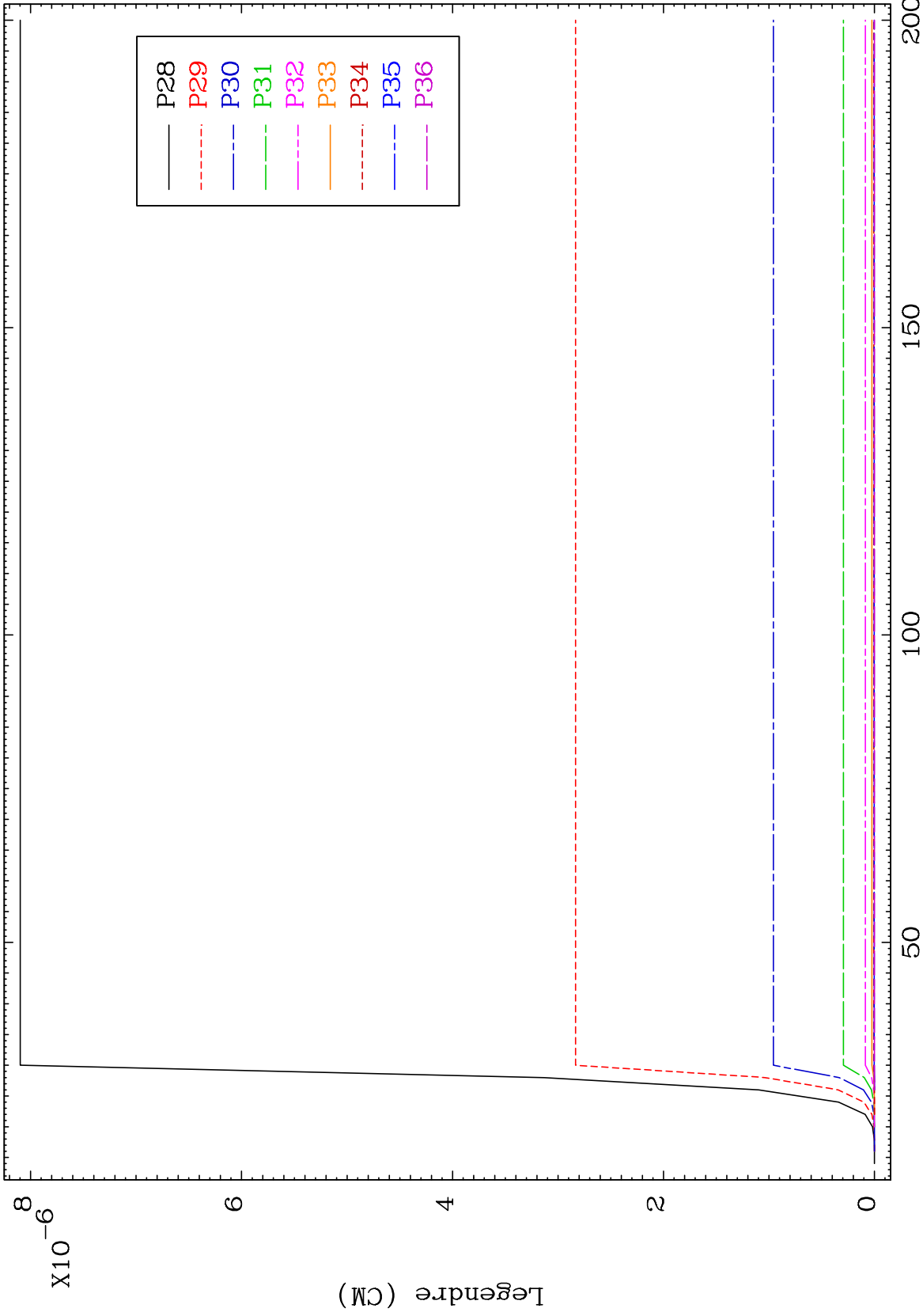
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



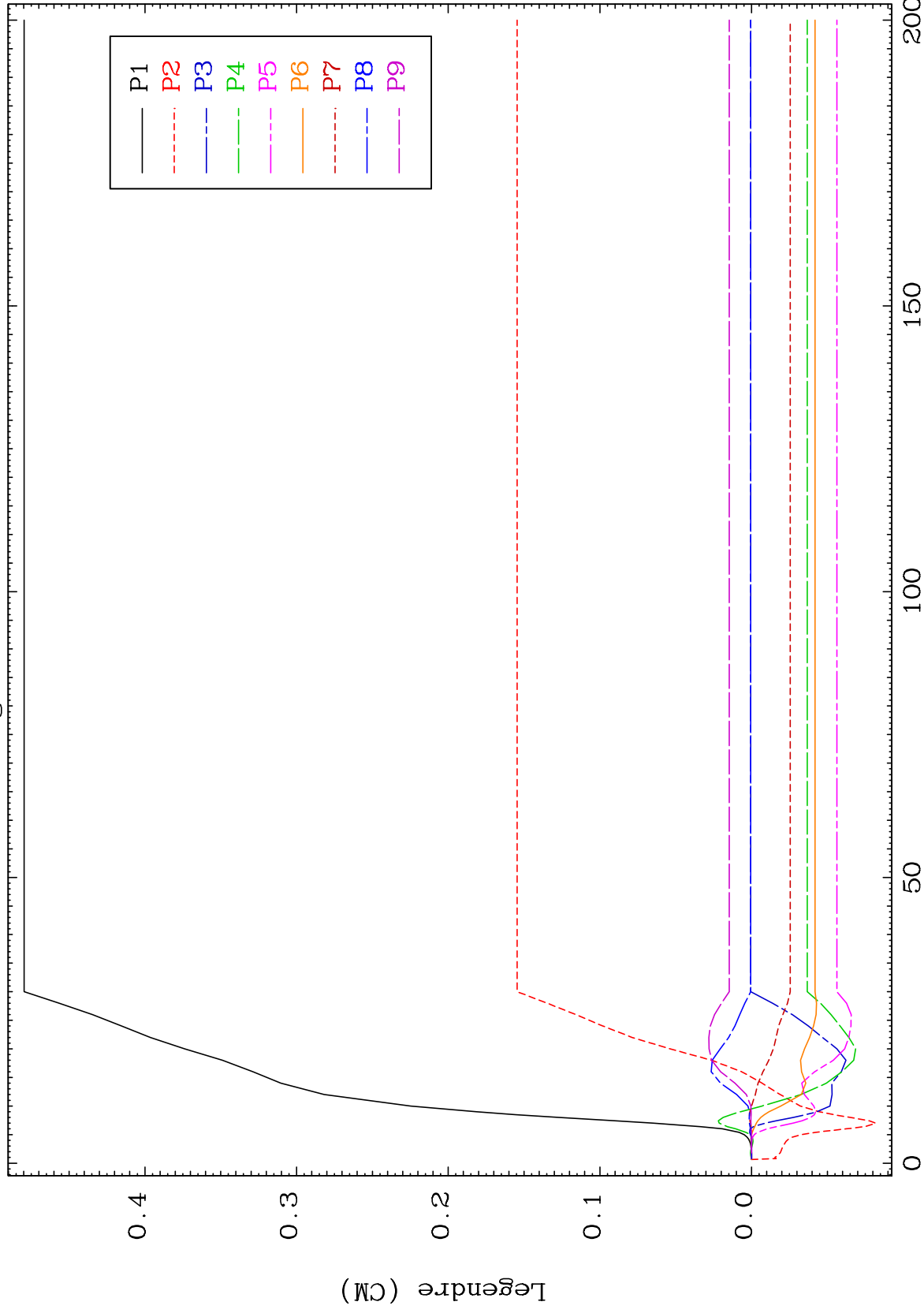
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MAT 6131

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

61-Pm-141



32

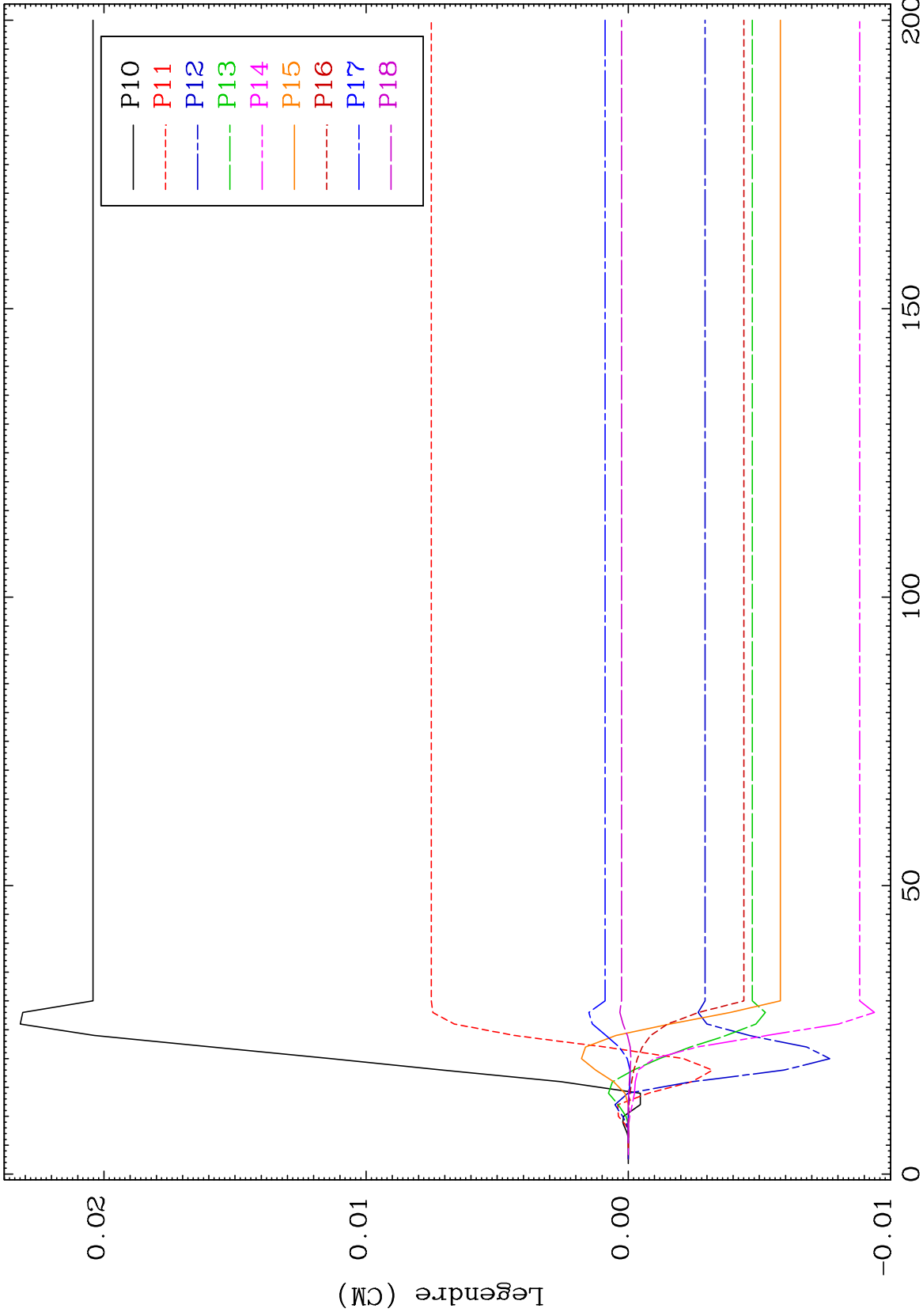
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61-Pm-141

MAT 6131

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

61-Pm-141



33

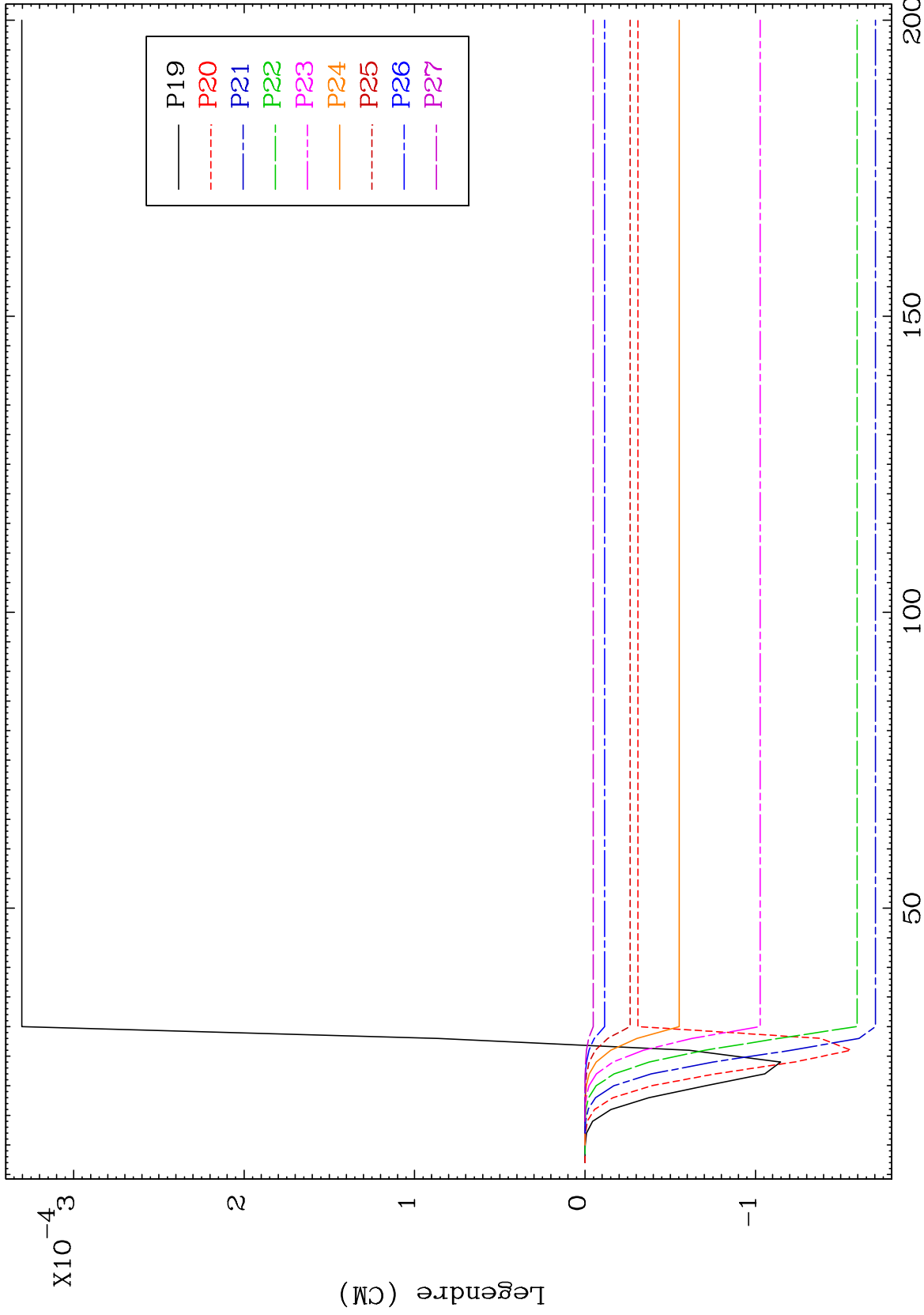
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MAT 6131

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

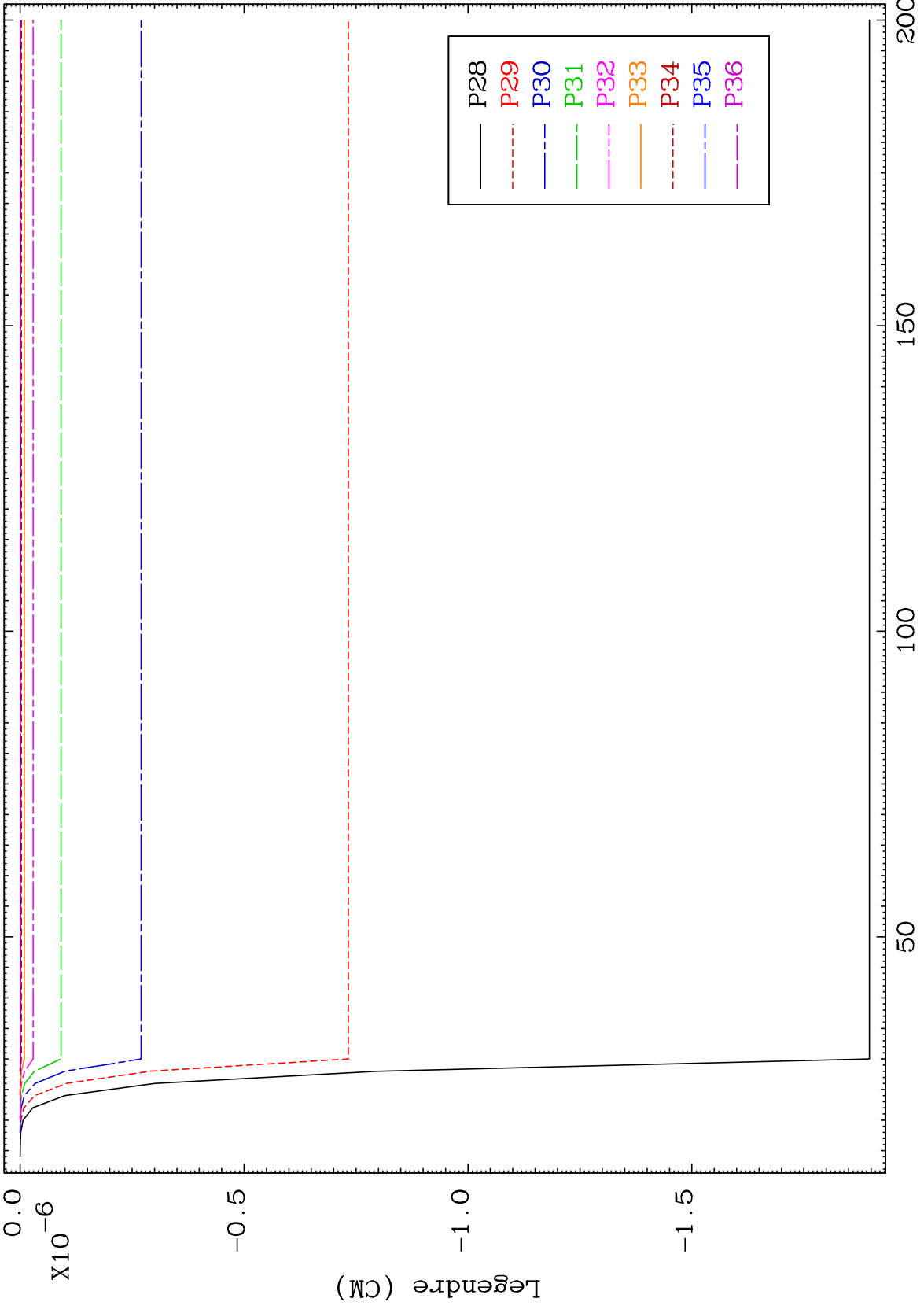
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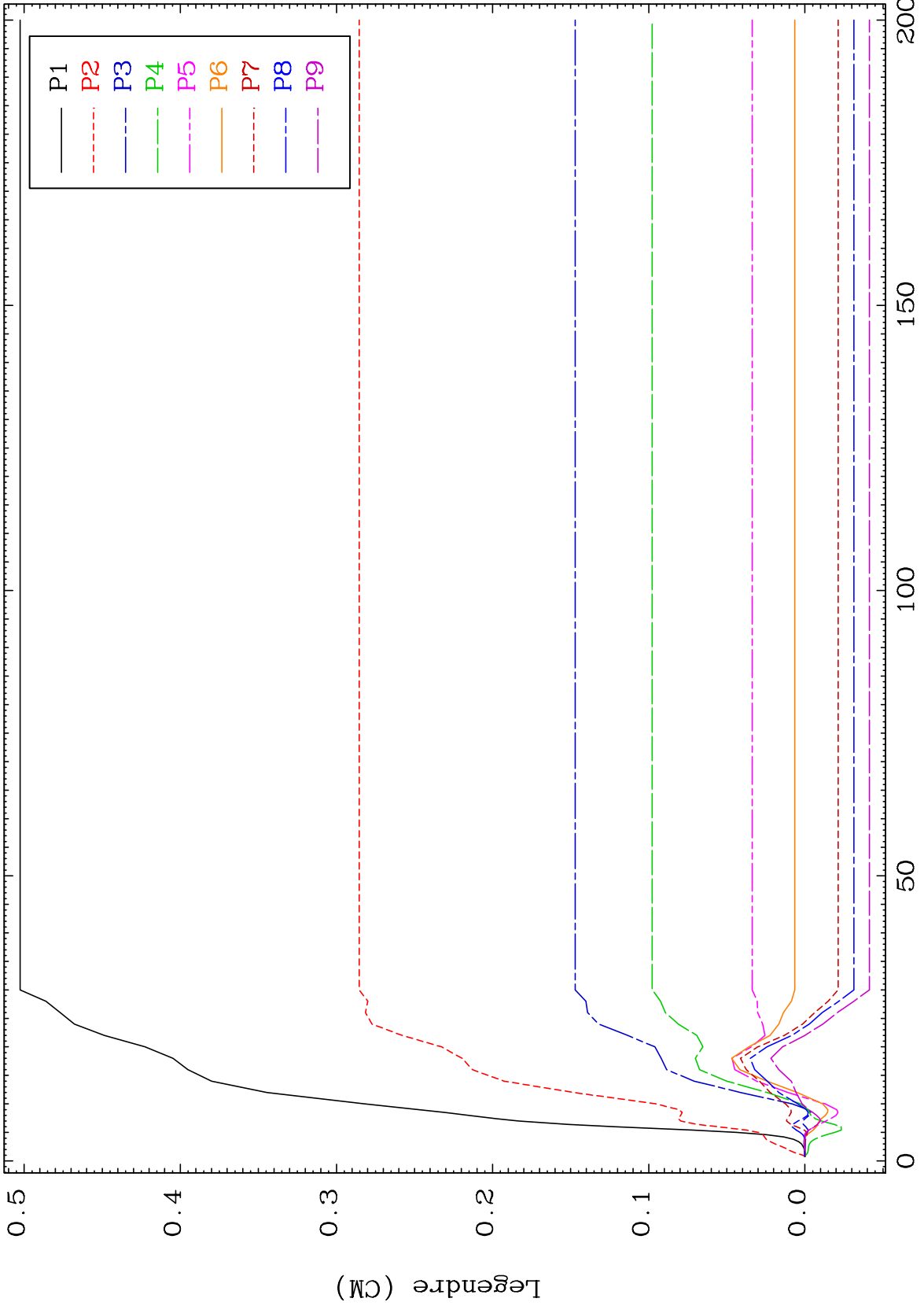
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MAT 6131 MT= 54 (n,n') Level Legendre Coefficients 61-Pm-141



35 Incident Energy (MeV) 61-Pm-141

MAT 6131 MT= 55 (n,n') Level Legendre Coefficients 61-Pm-141

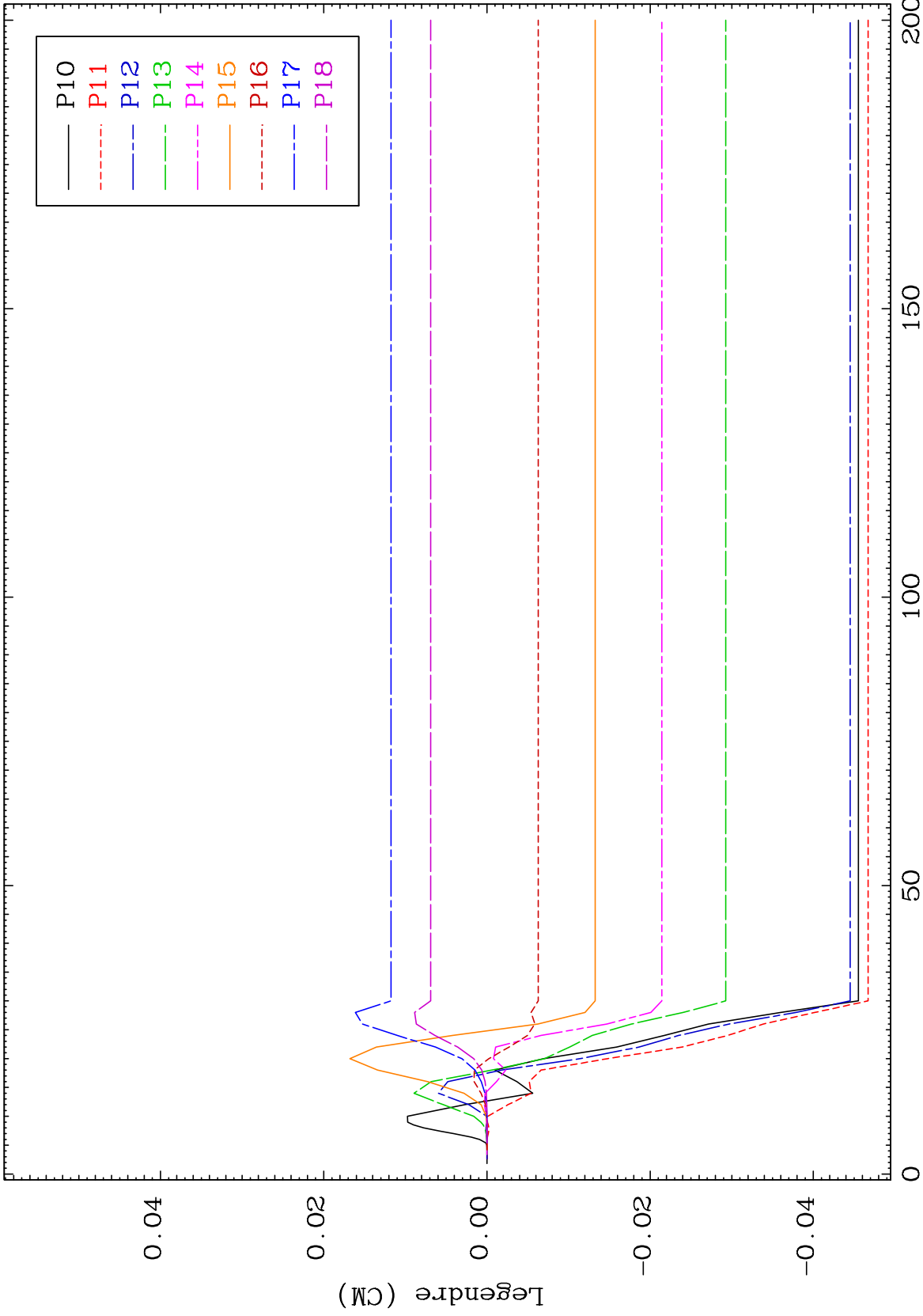


36 61-Pm-141

MAT 6131

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

61-Pm-141



37

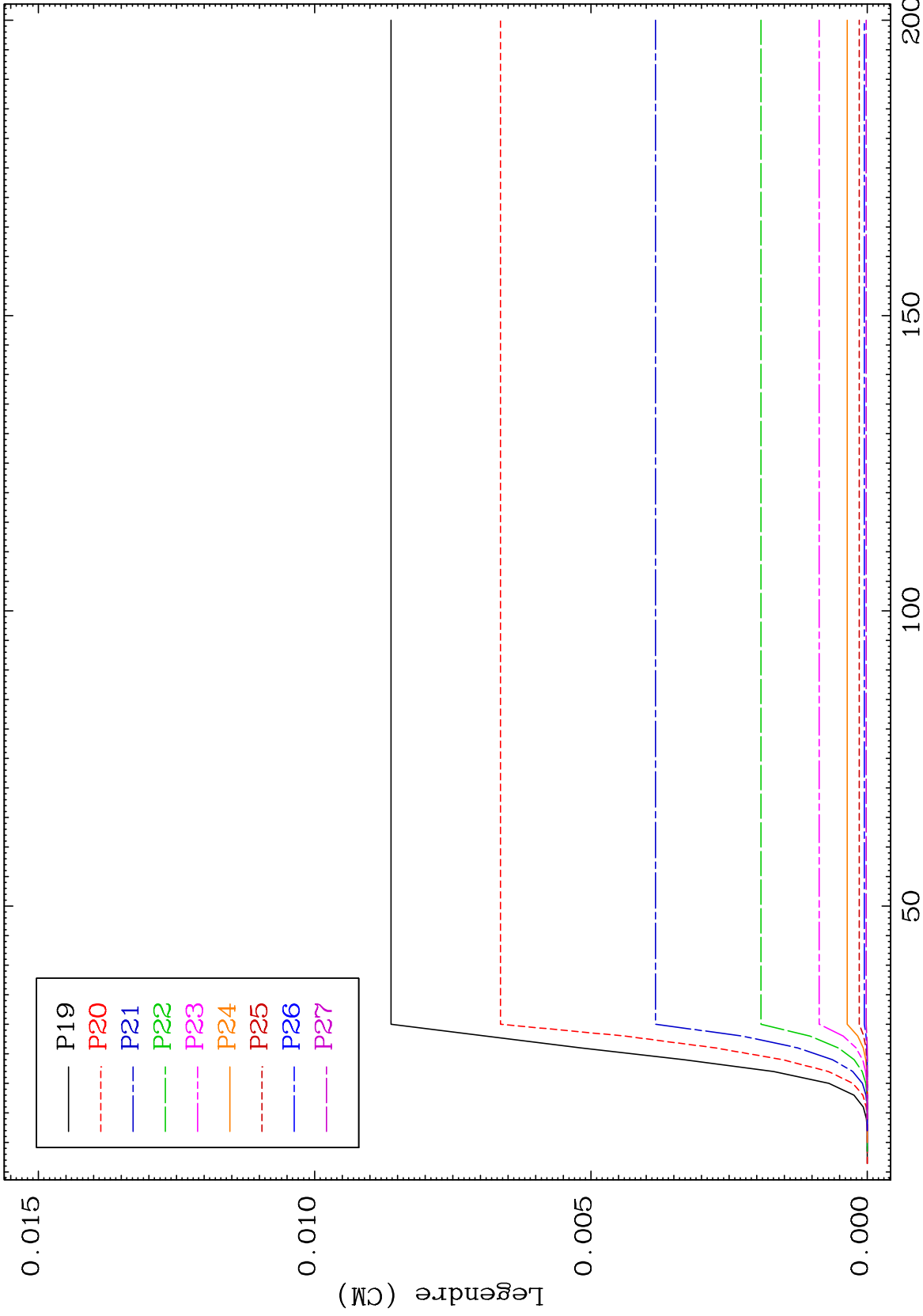
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



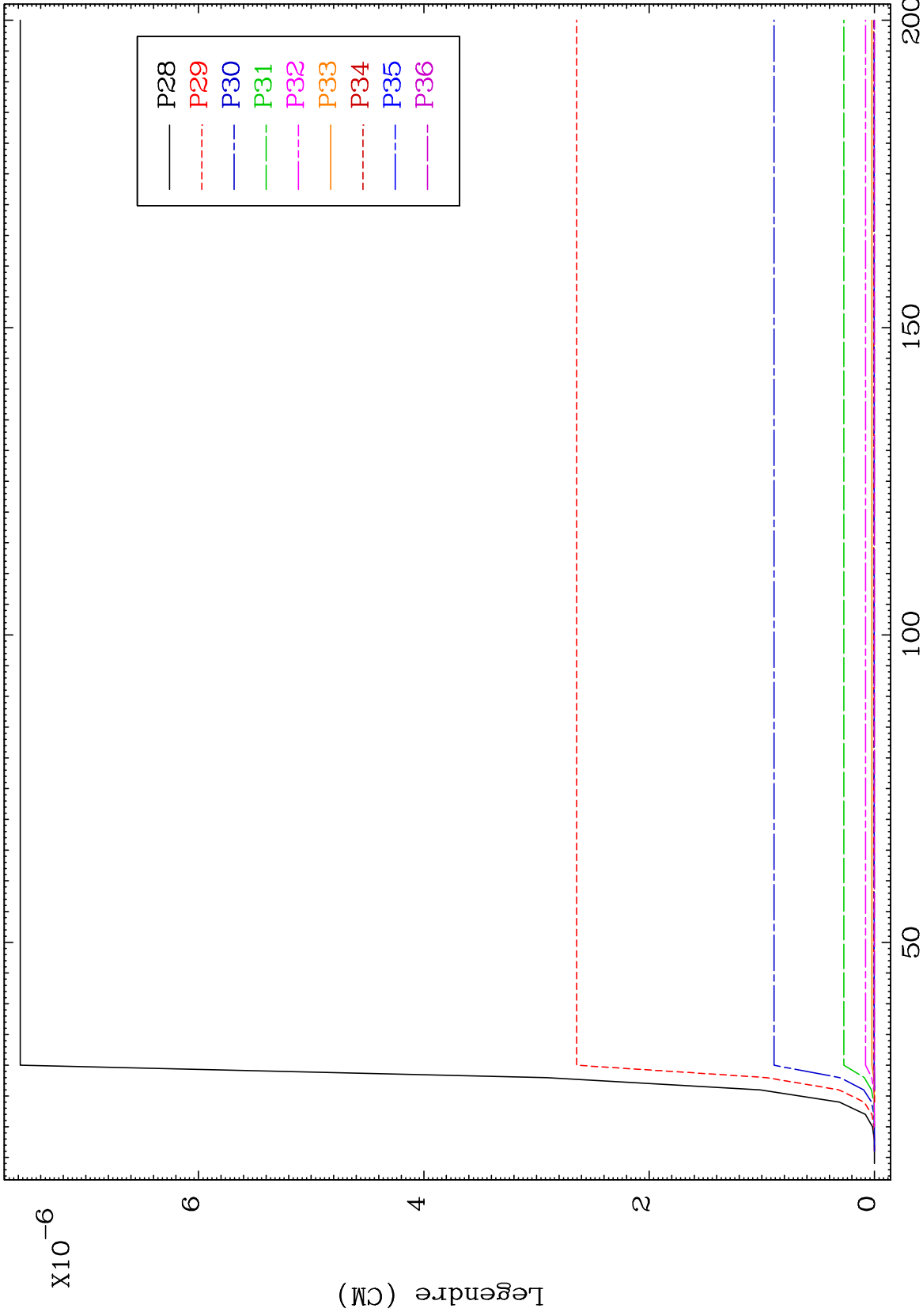
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61-Pm-141

MAT 6131

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

61-Pm-141



39

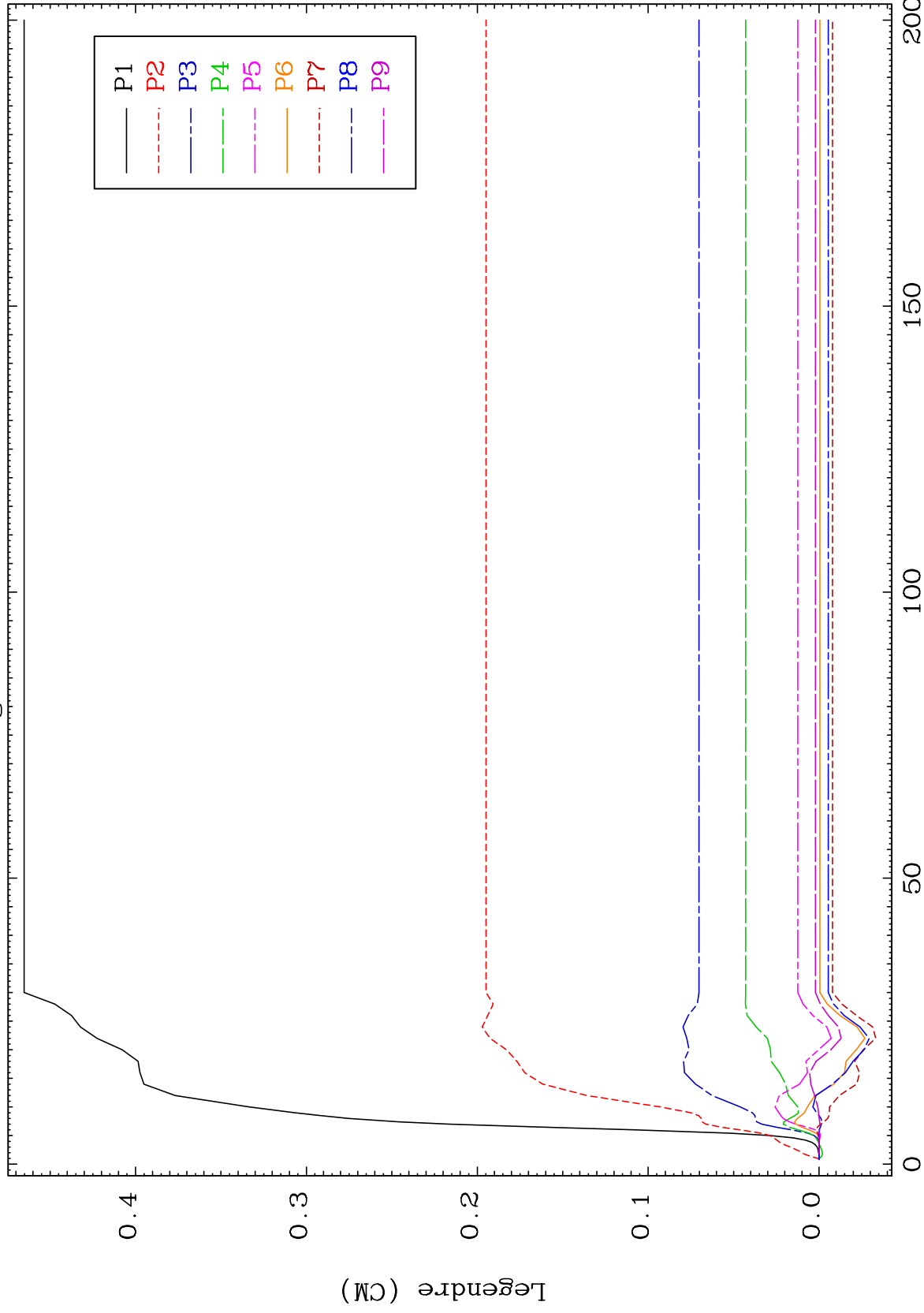
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

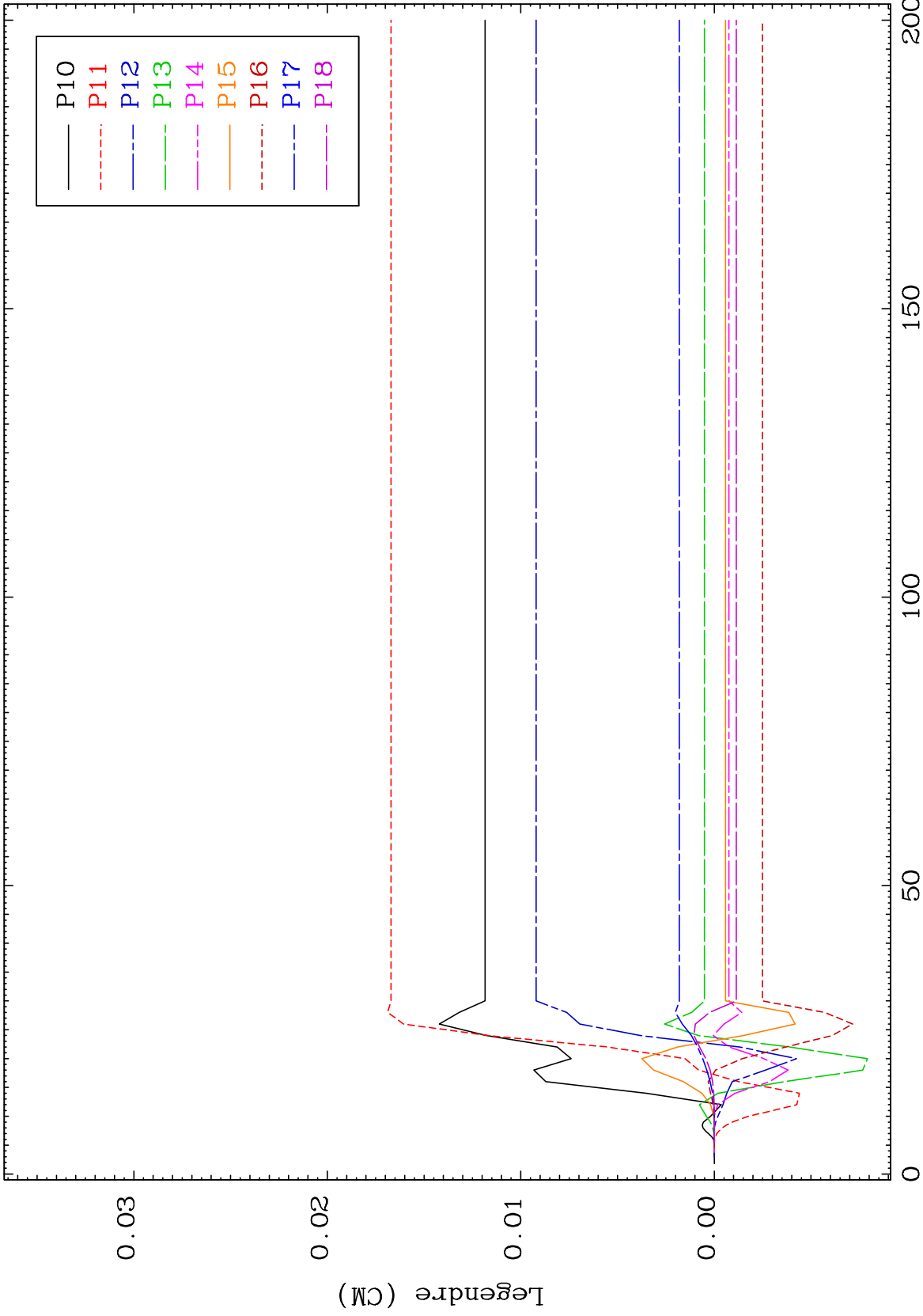
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MAT 6131

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

61-Pm-141



41

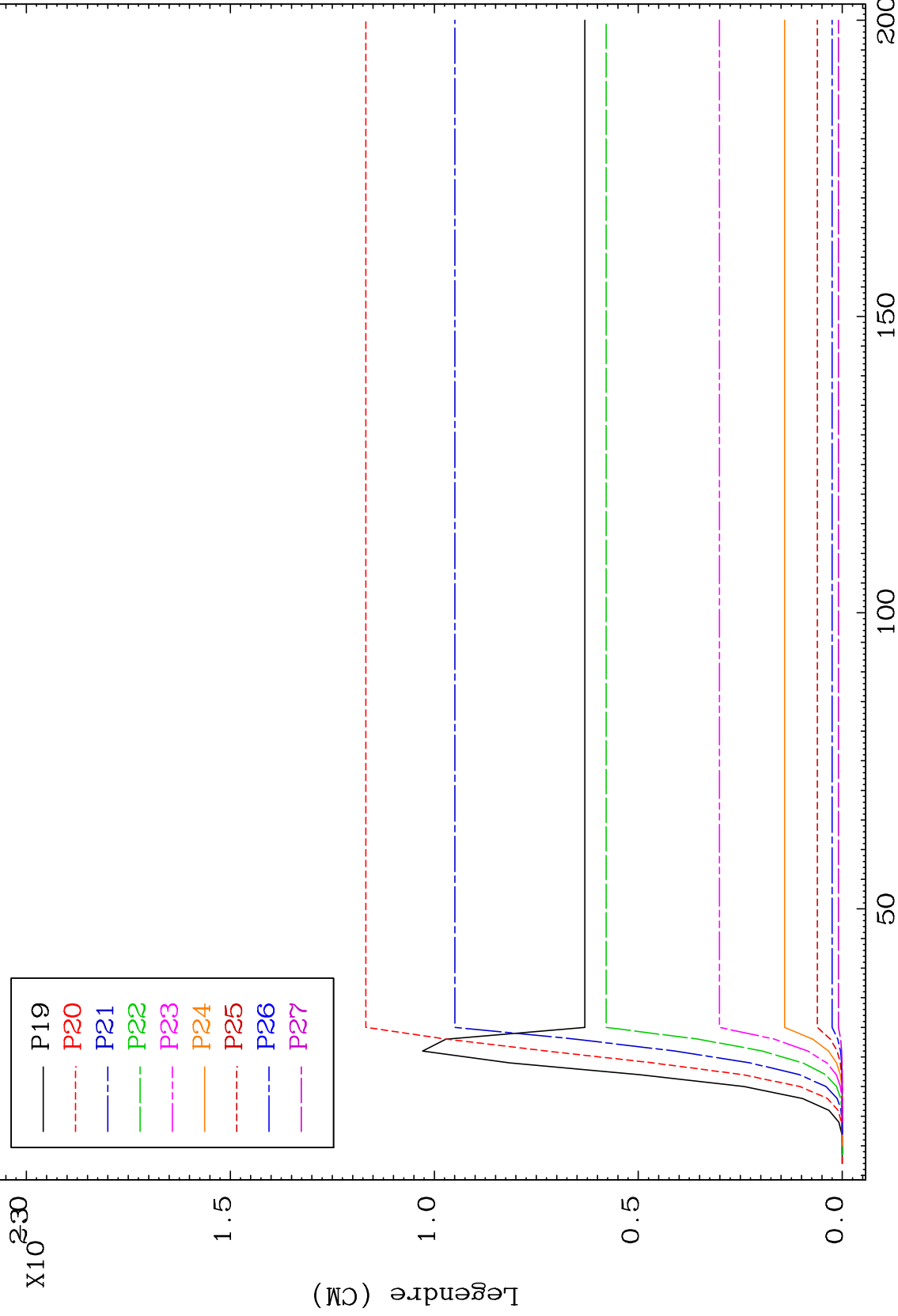
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



42

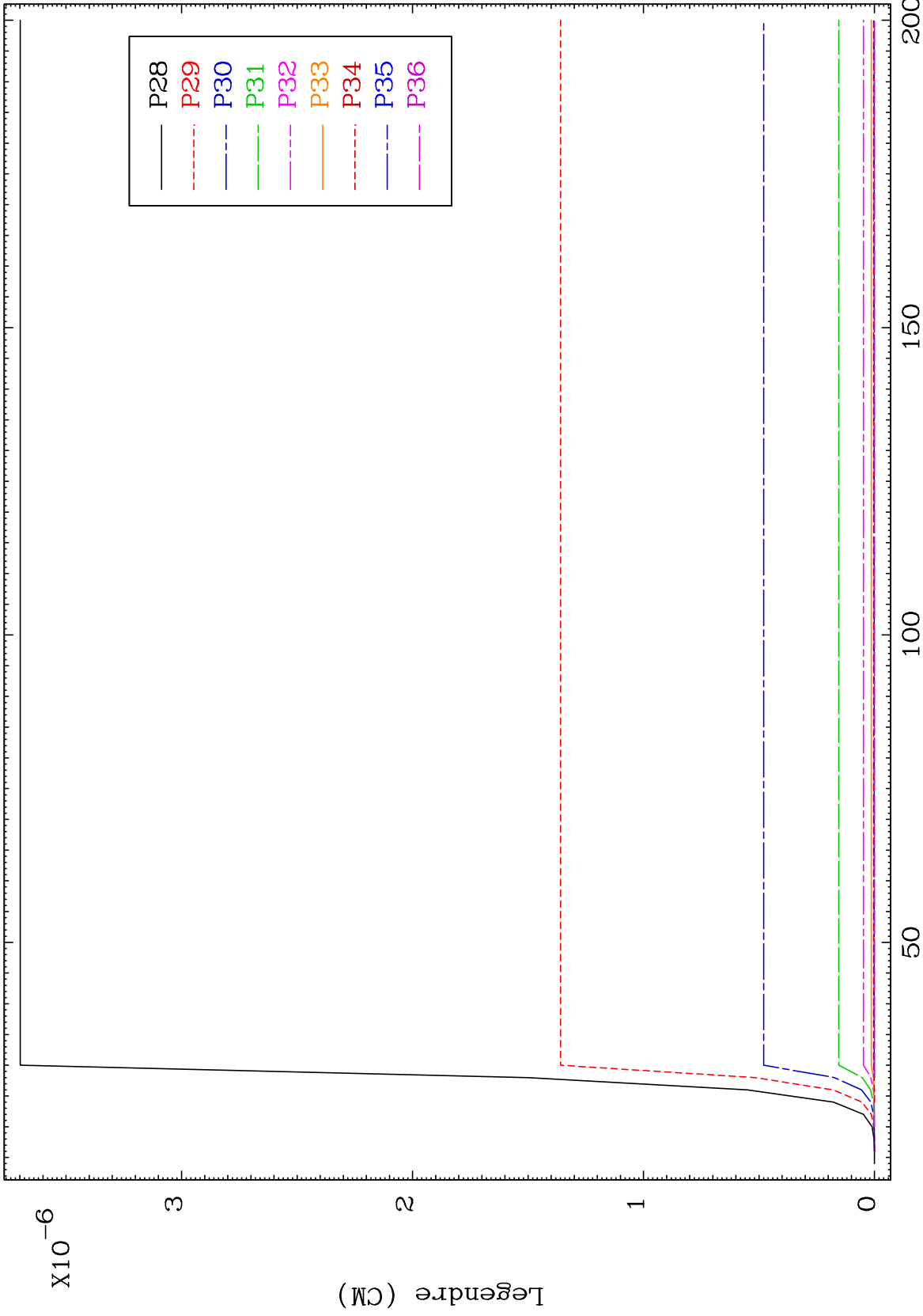
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



43

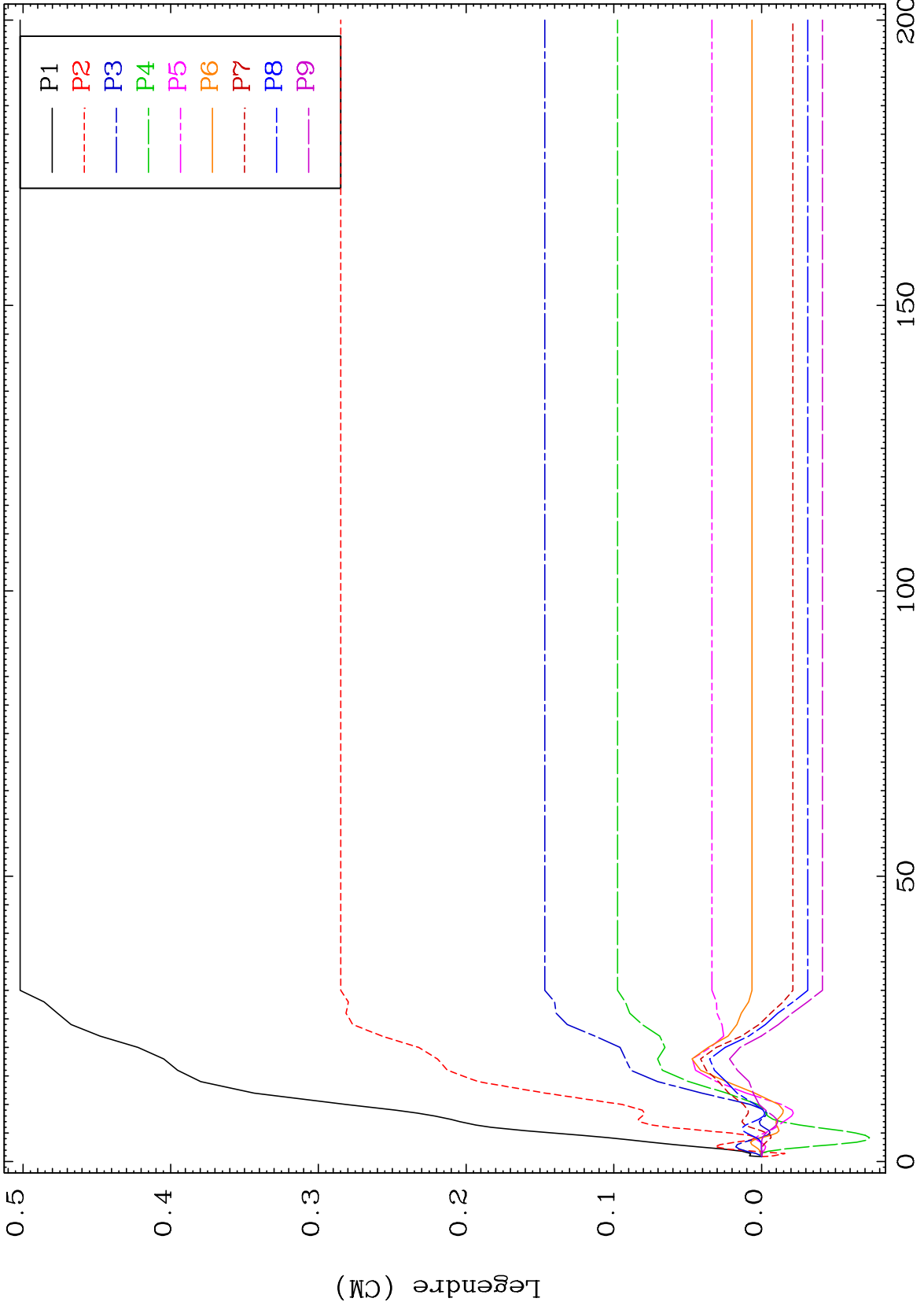
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



44

Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



45

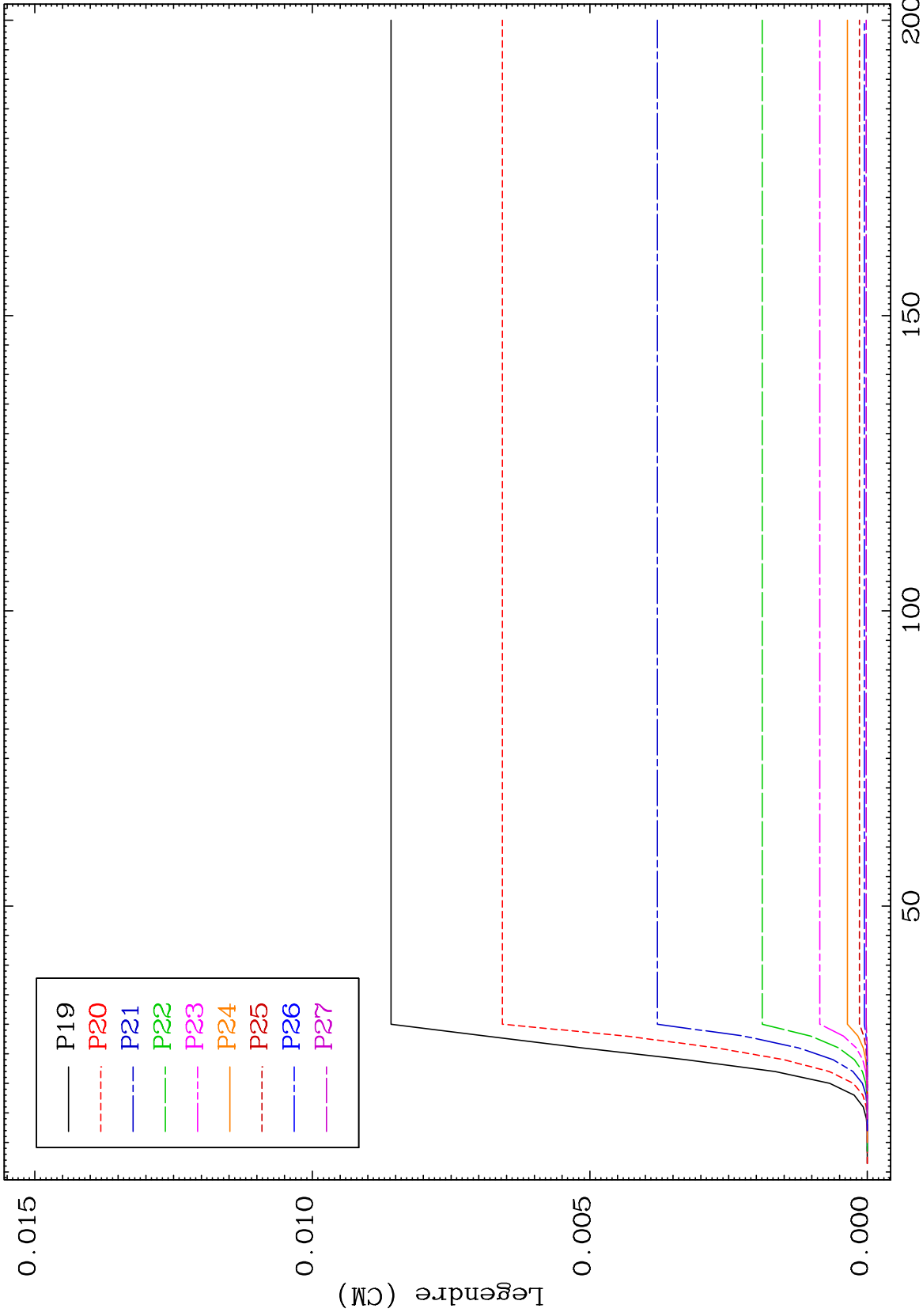
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



46

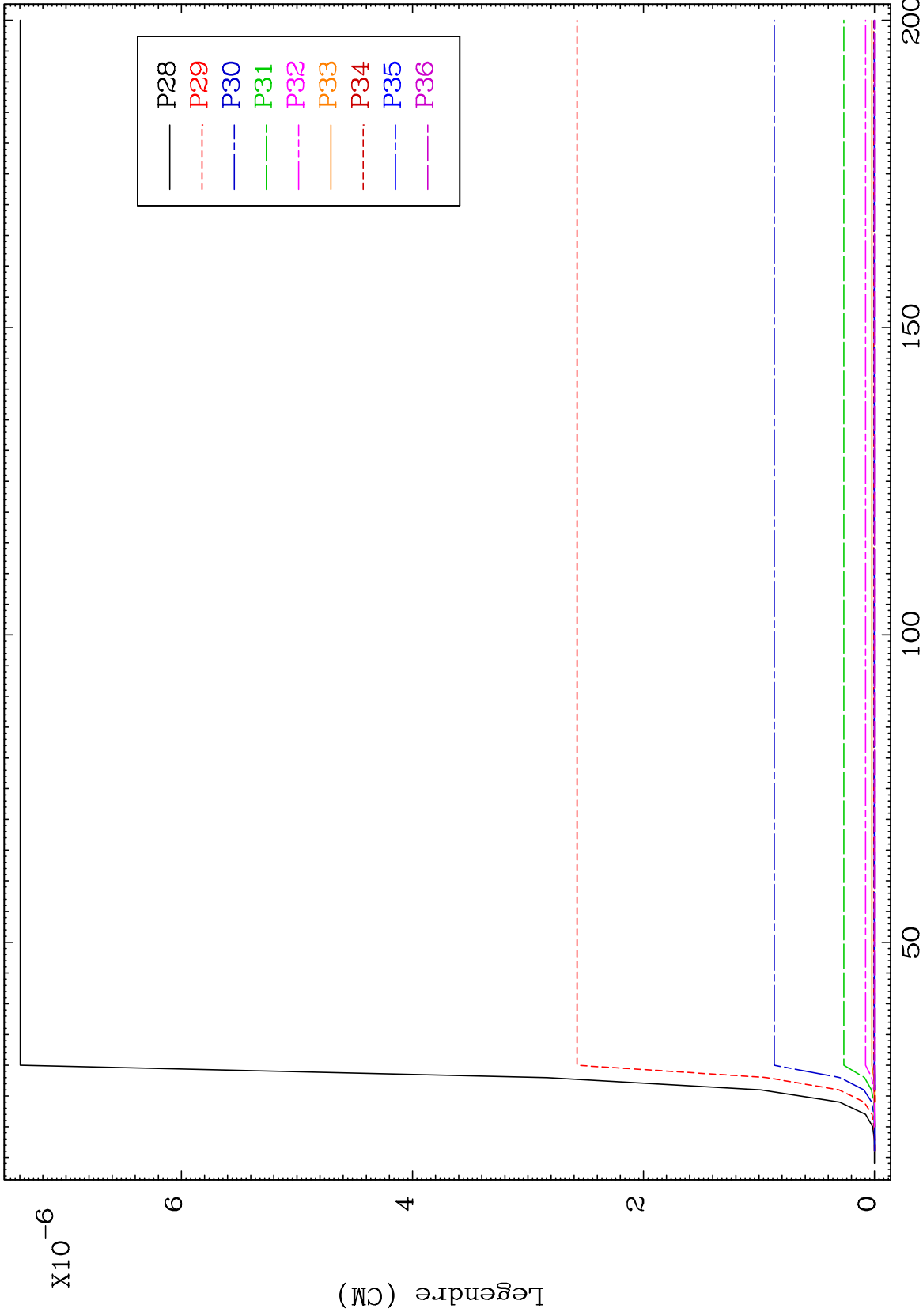
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



47

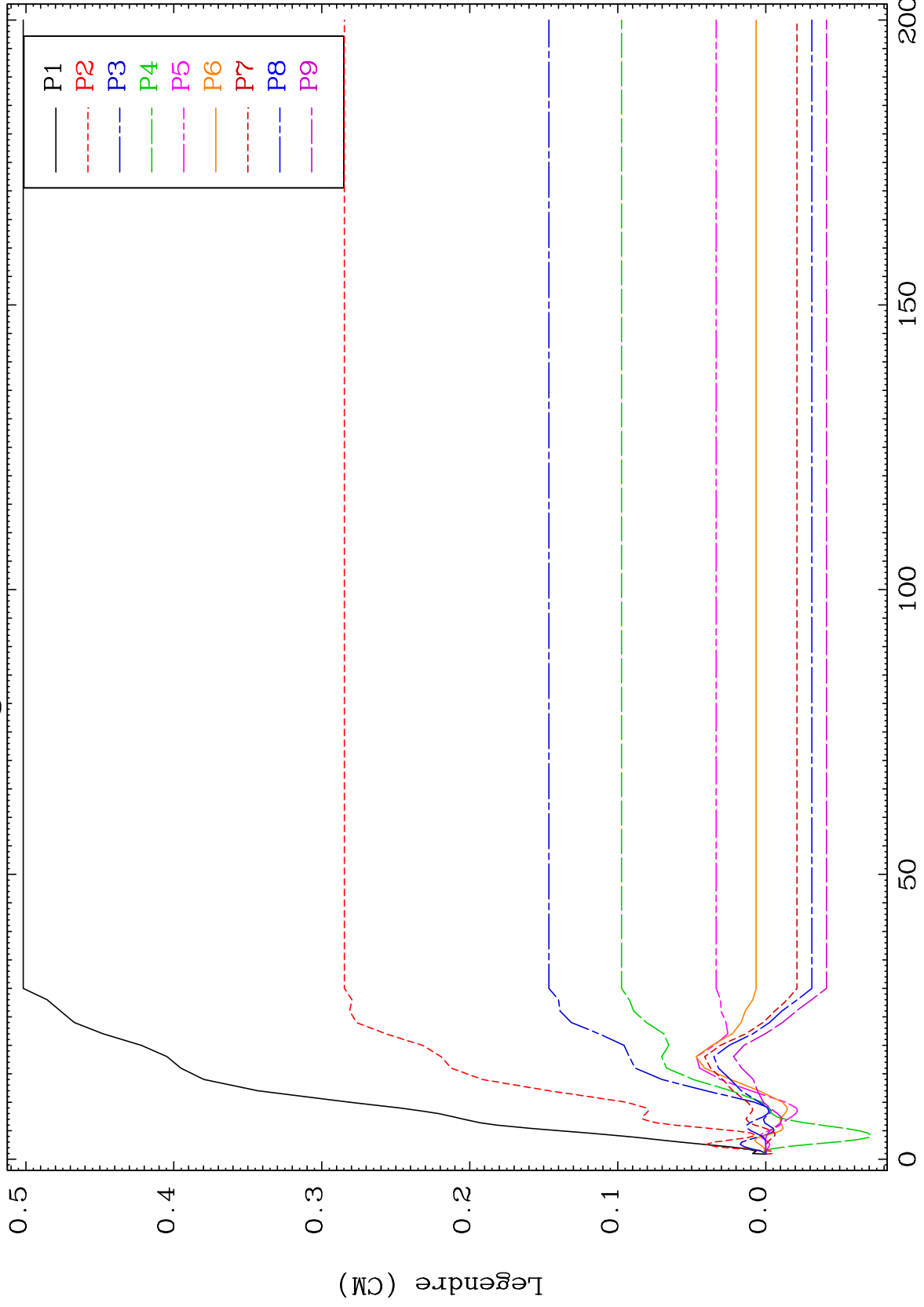
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



48

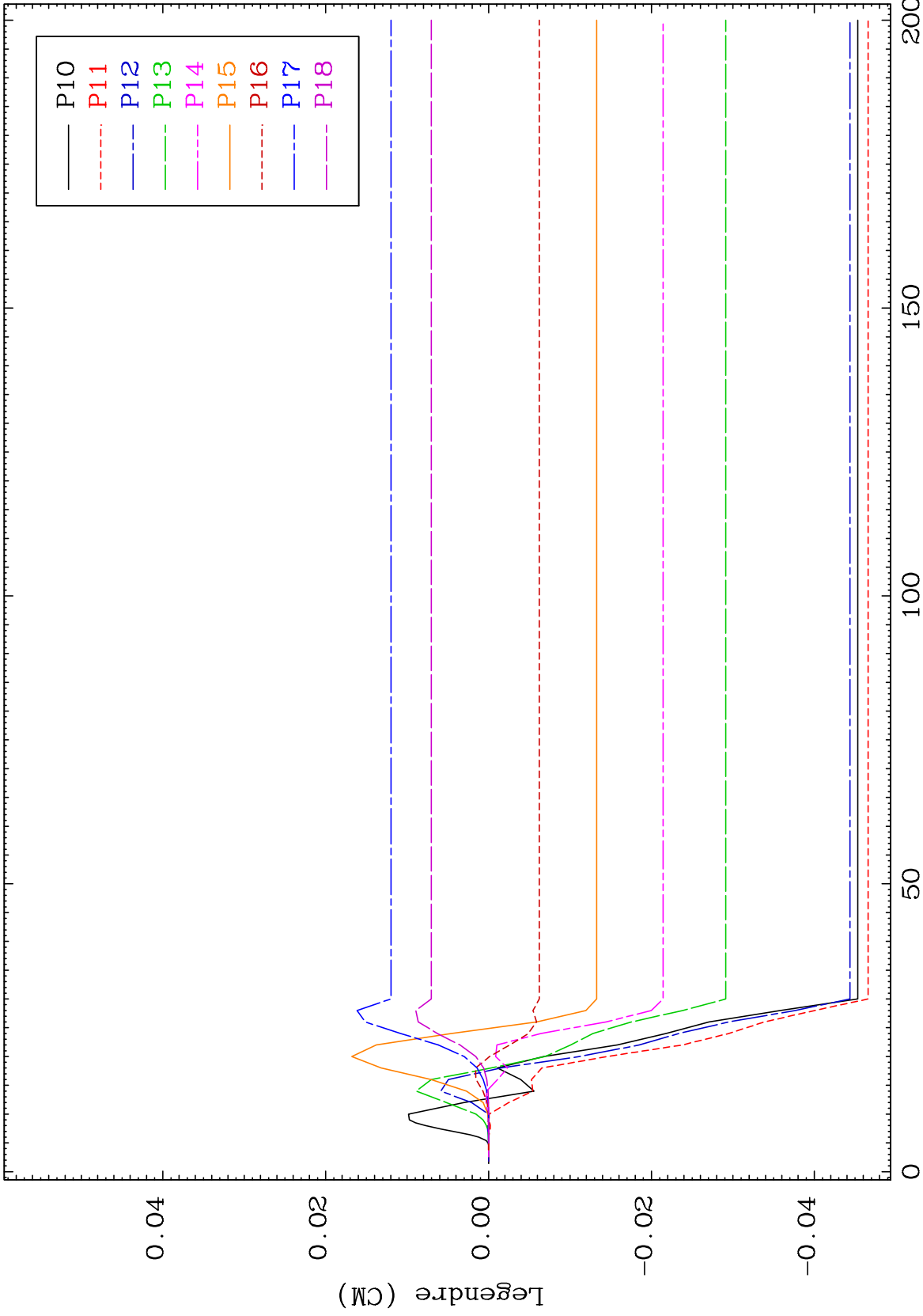
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61-Pm-141

MAT 6131

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

61-Pm-141



49

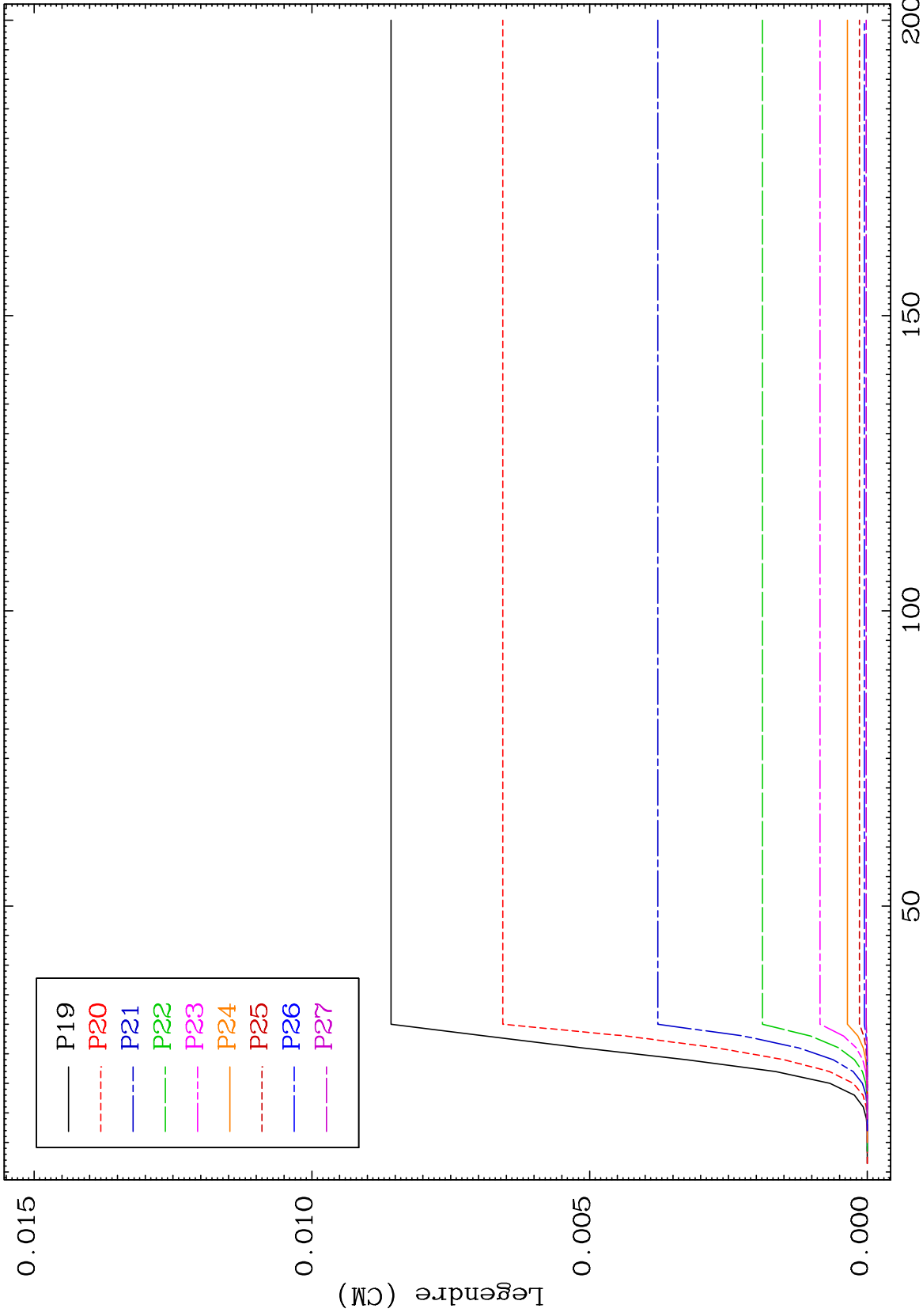
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



50

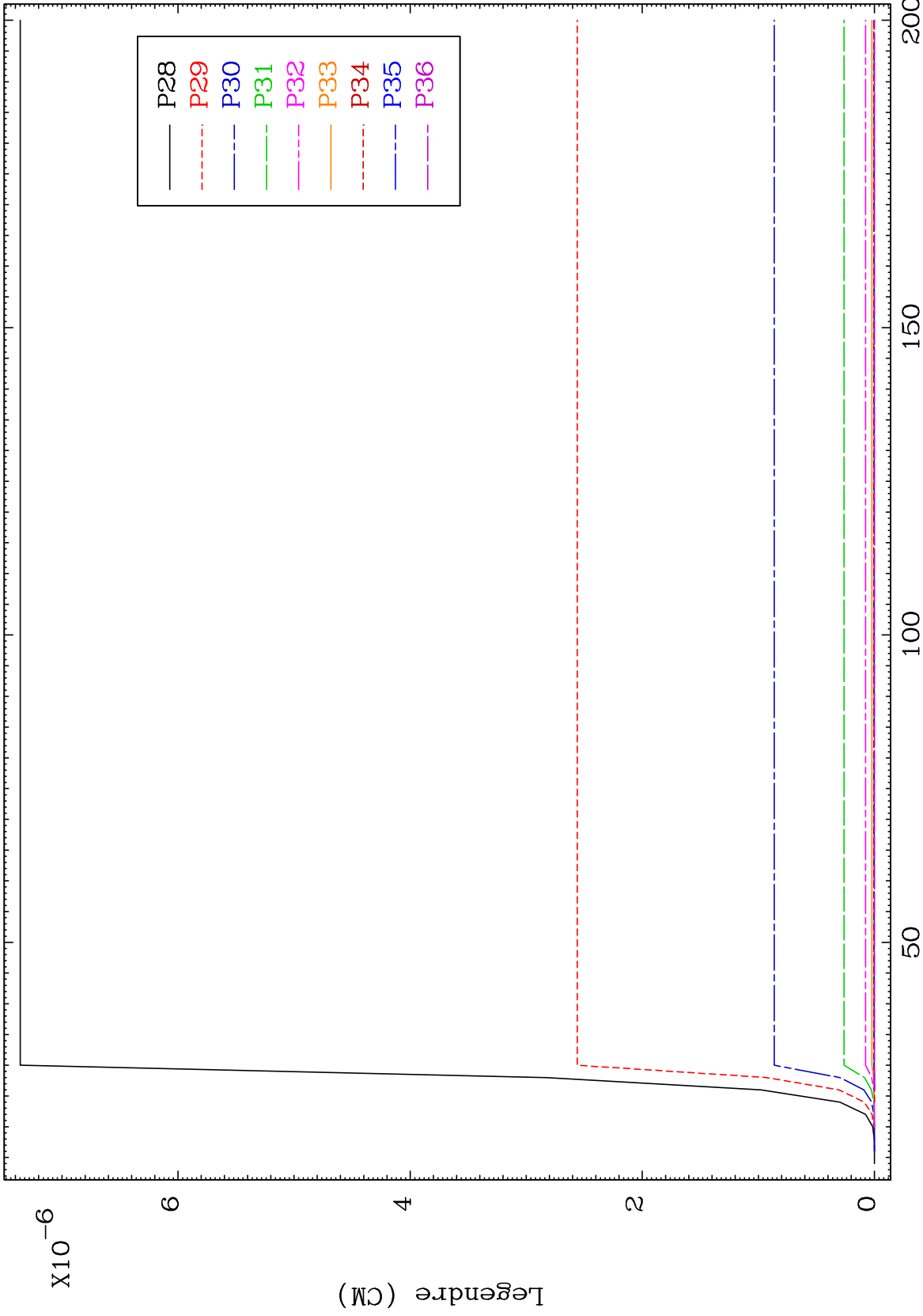
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



51

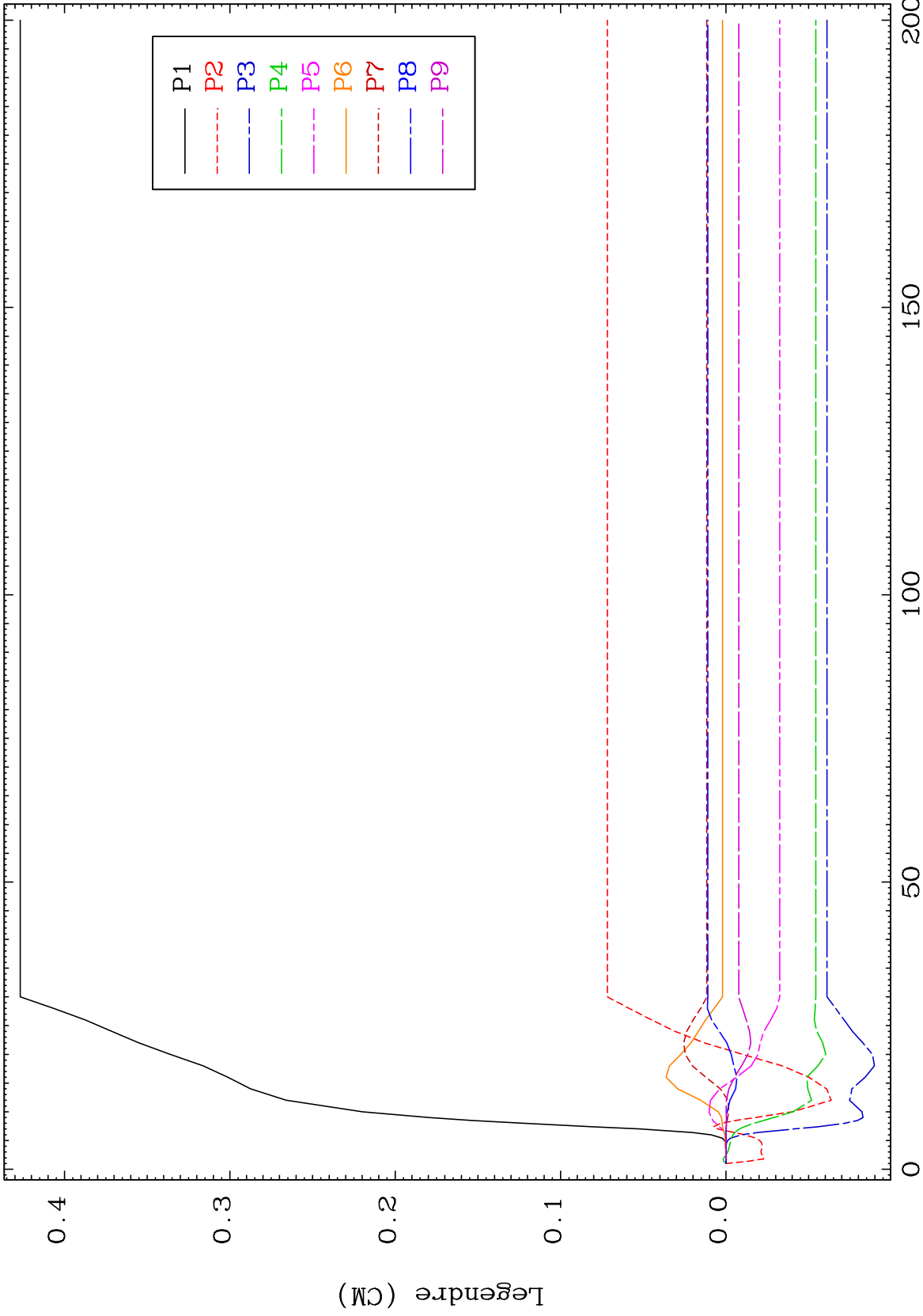
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



52

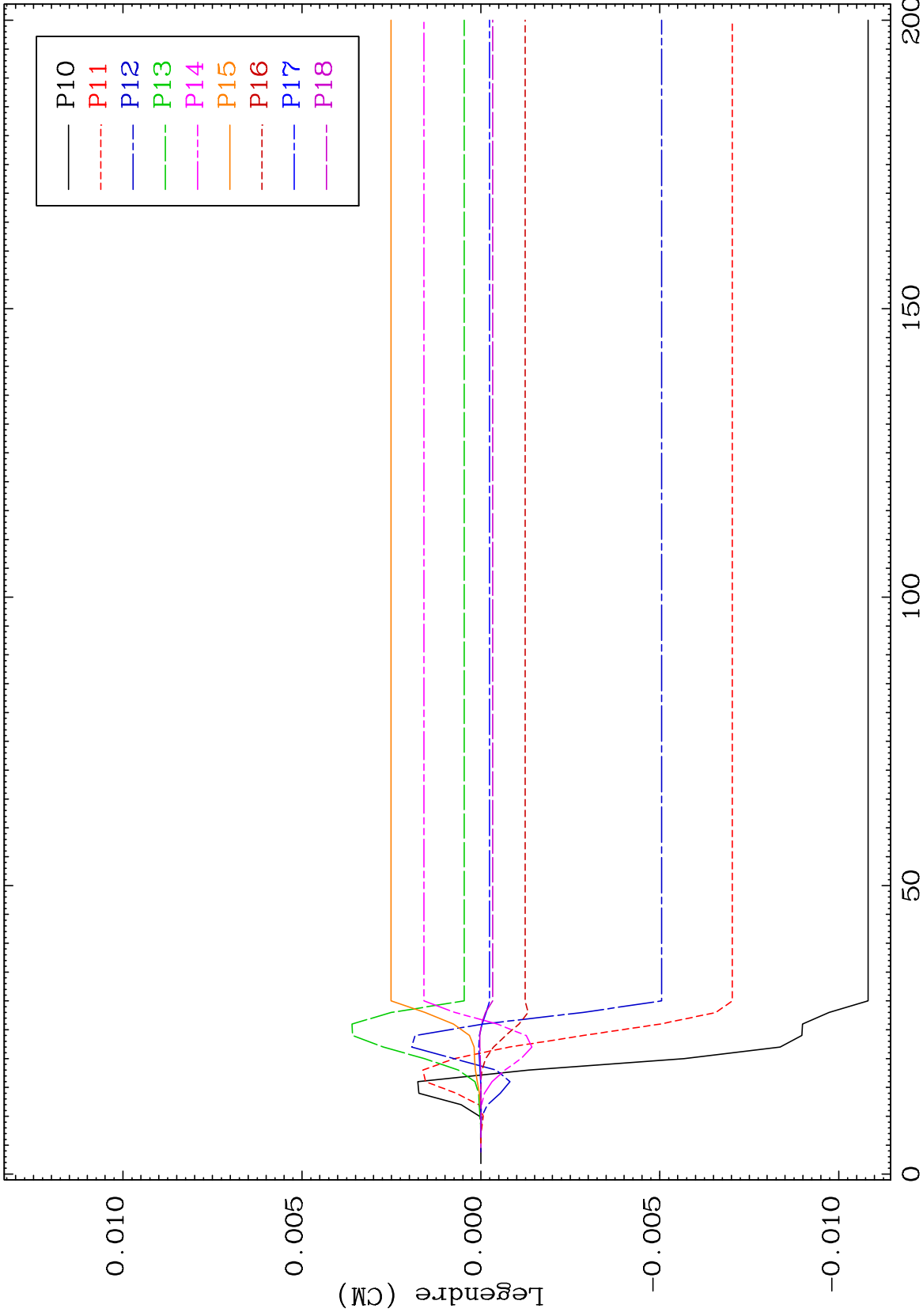
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



53

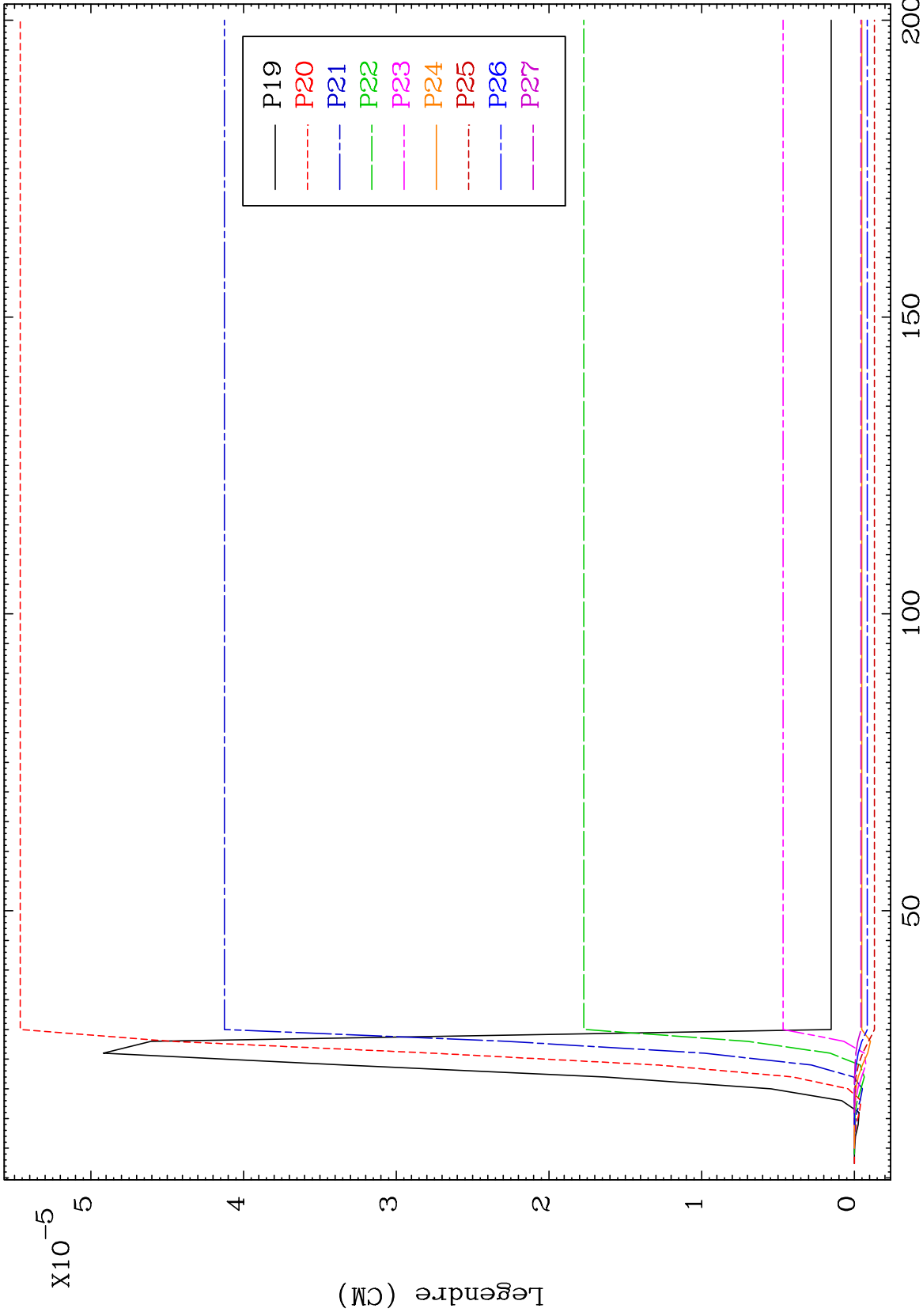
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141

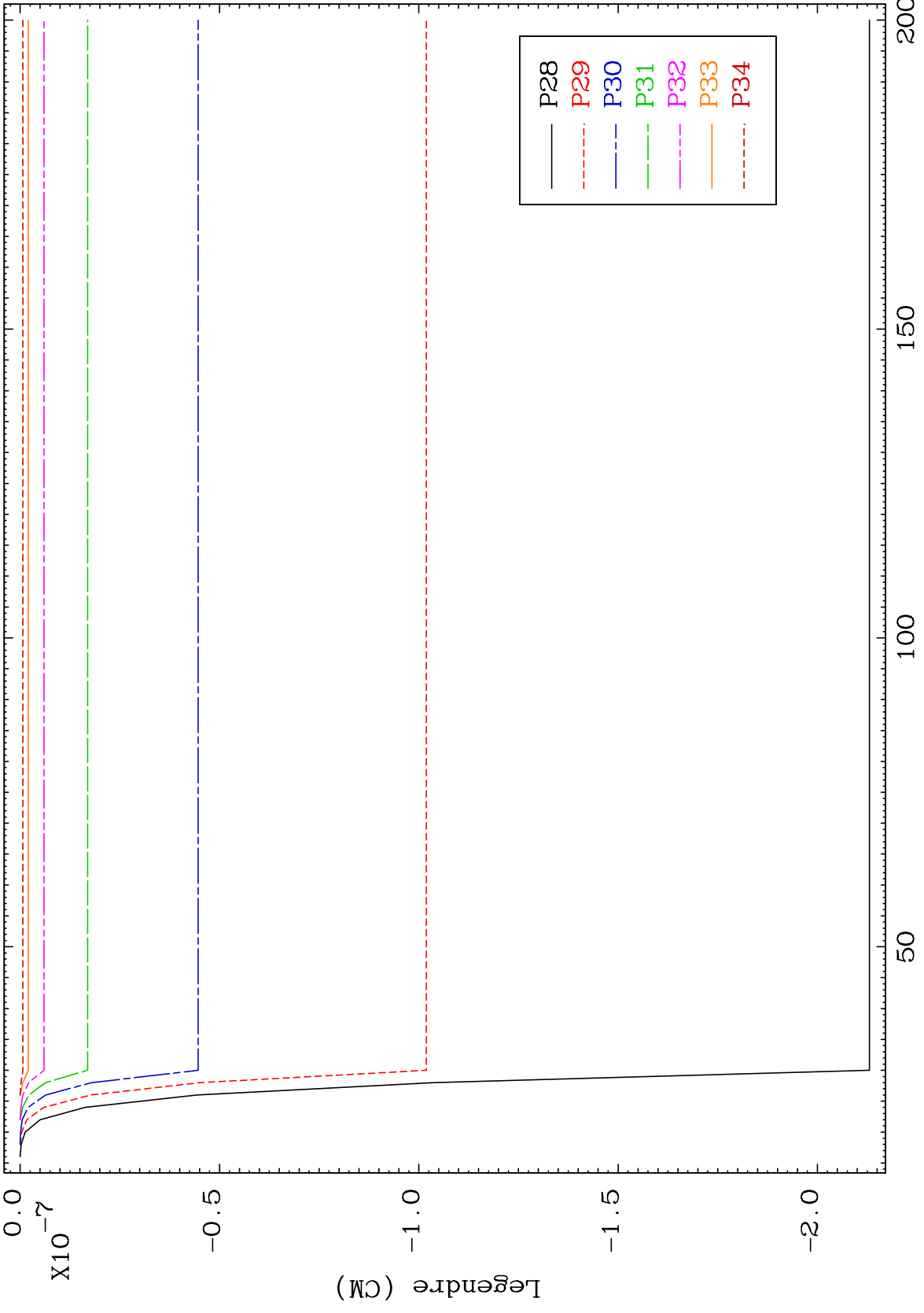


54

Incident Energy (MeV)

61-Pm-141

MAT 6131 MT= 59 (n,n') Level Legendre Coefficients 61-Pm-141

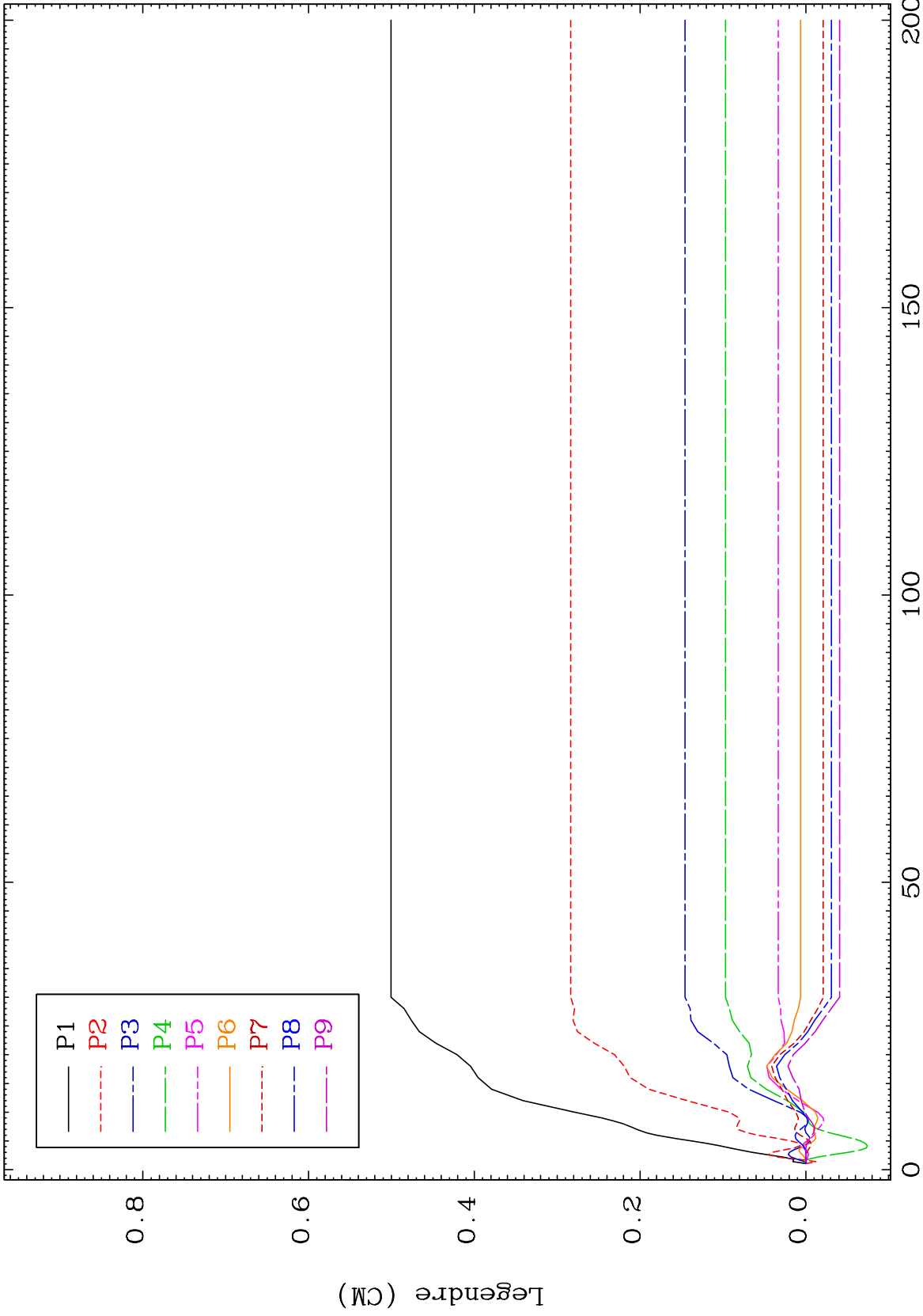


55 Incident Energy (MeV) 61-Pm-141

MAT 6131

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

61-Pm-141



56

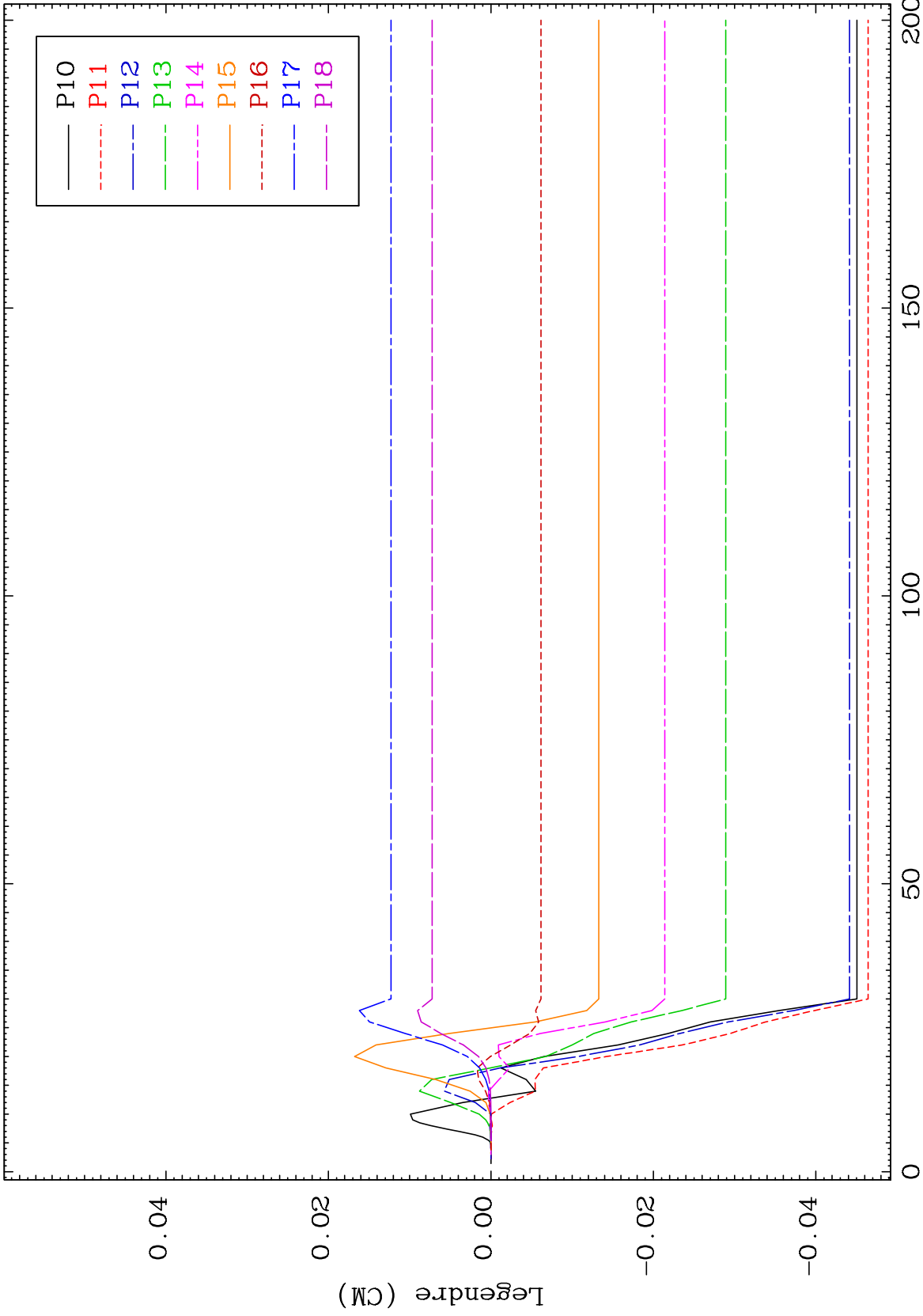
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



57

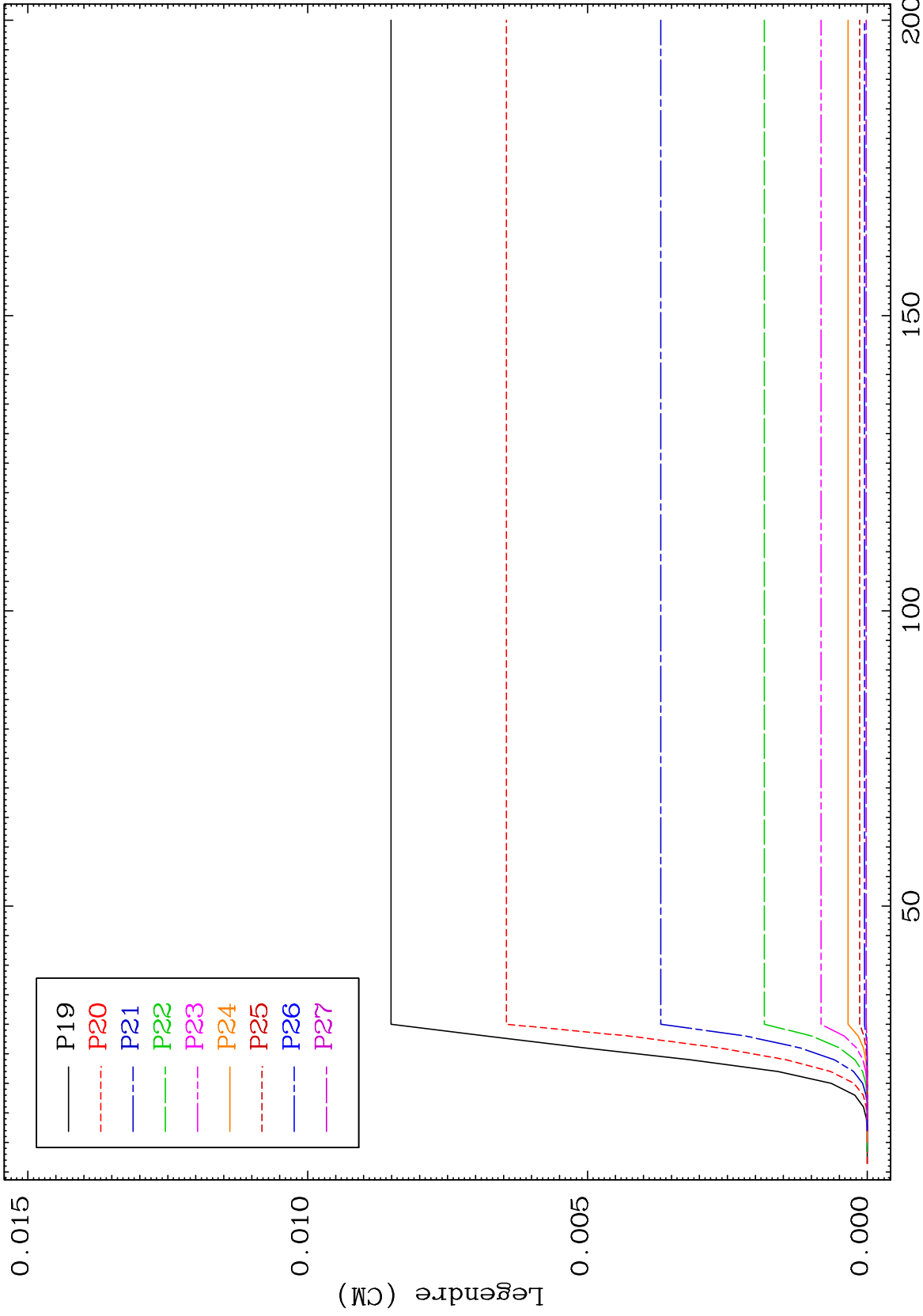
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



58

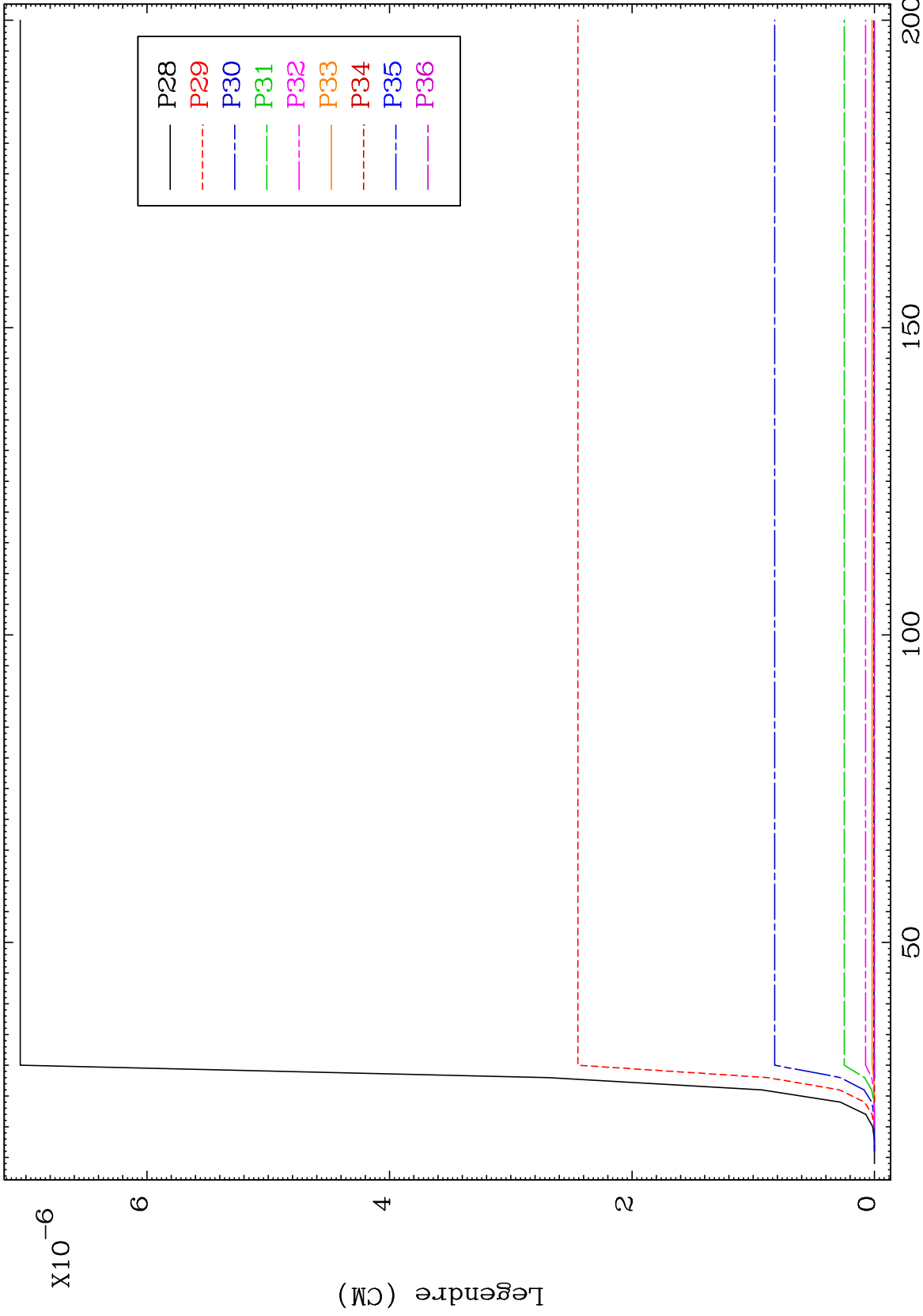
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



59

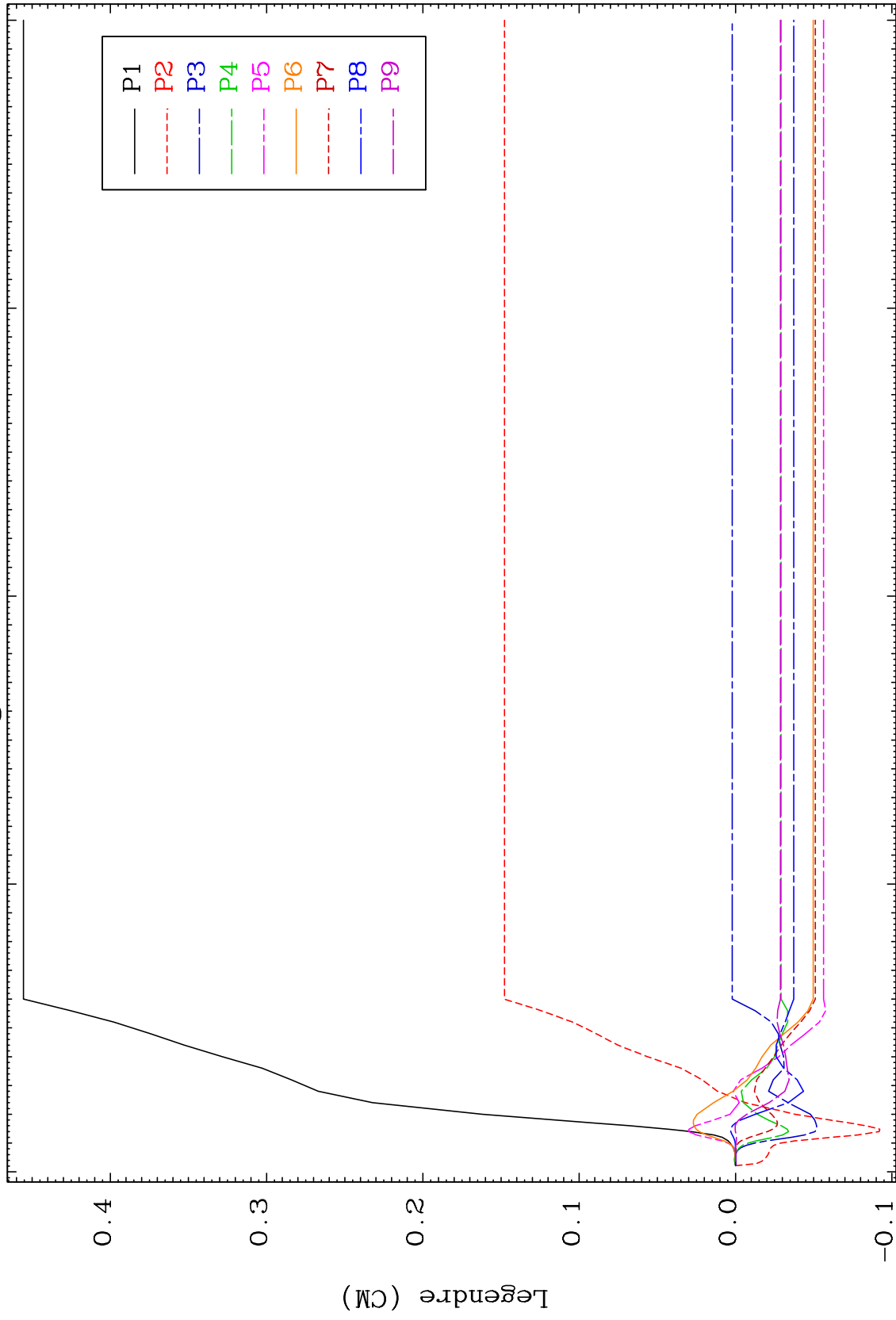
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



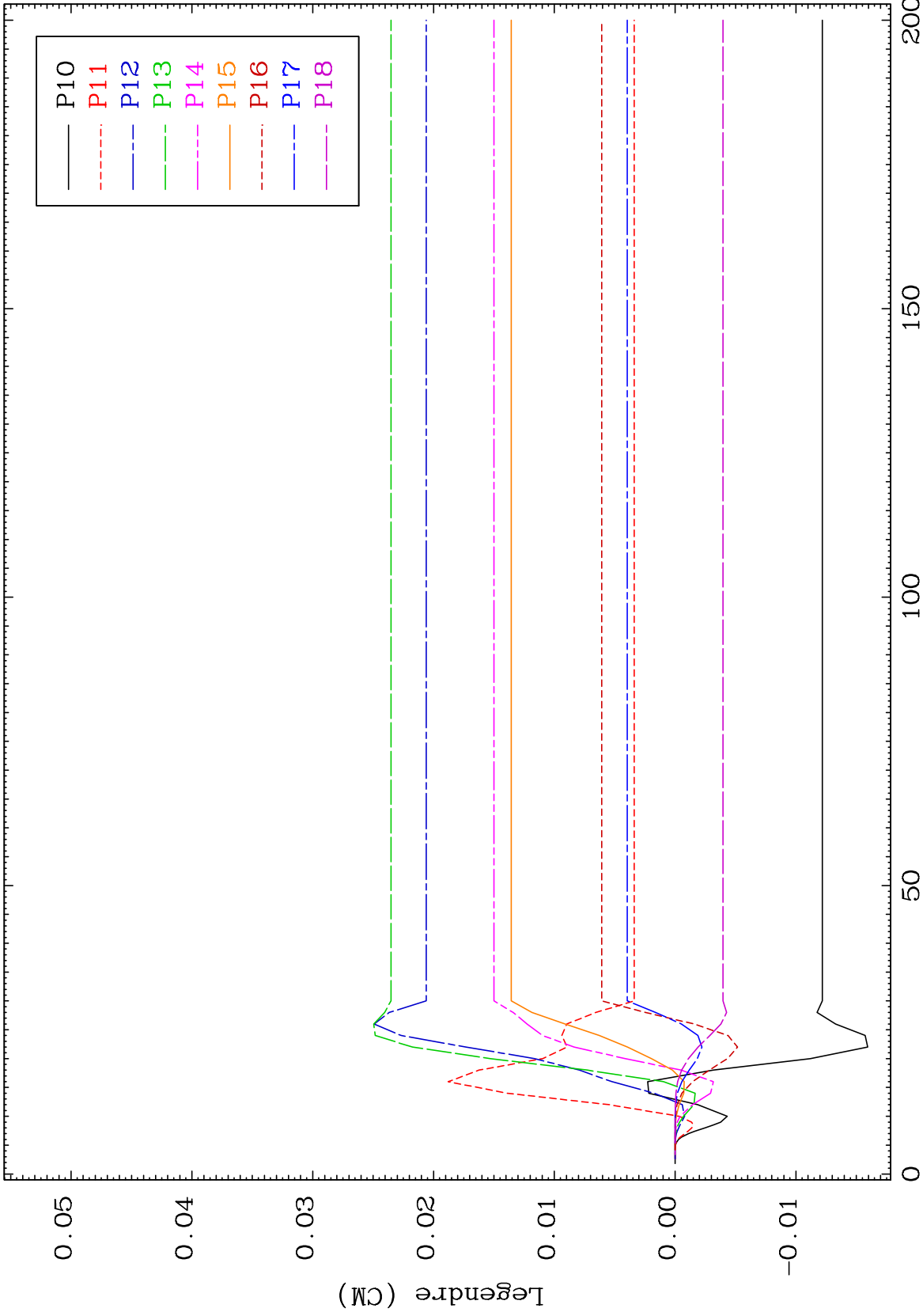
61-Pm-141

Incident Energy (MeV)

MAT 6131

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

61-Pm-141



61

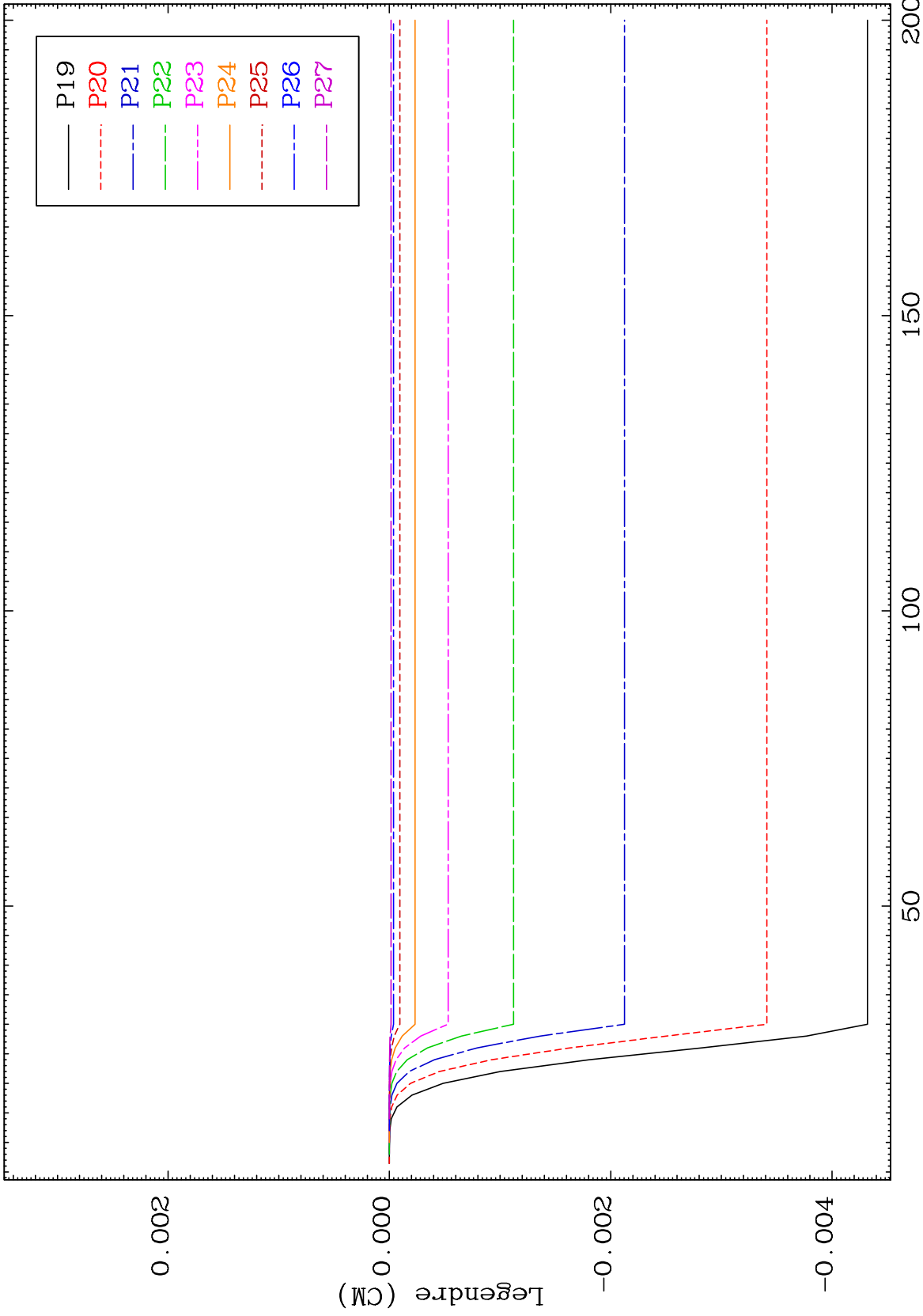
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141

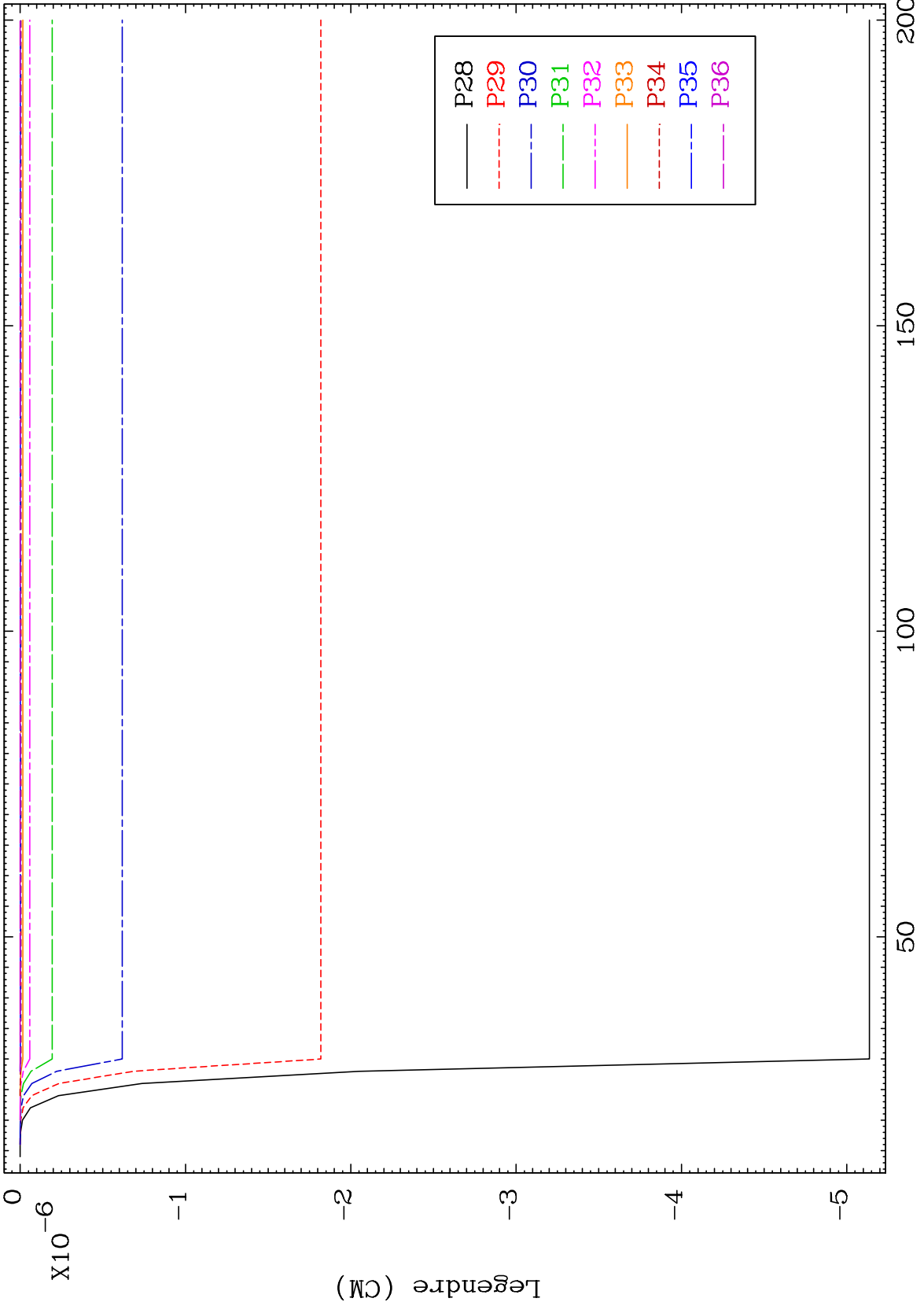


62

Incident Energy (MeV)

61-Pm-141

MAT 6131 MT= 61 (n,n') Level Legendre Coefficients 61-Pm-141

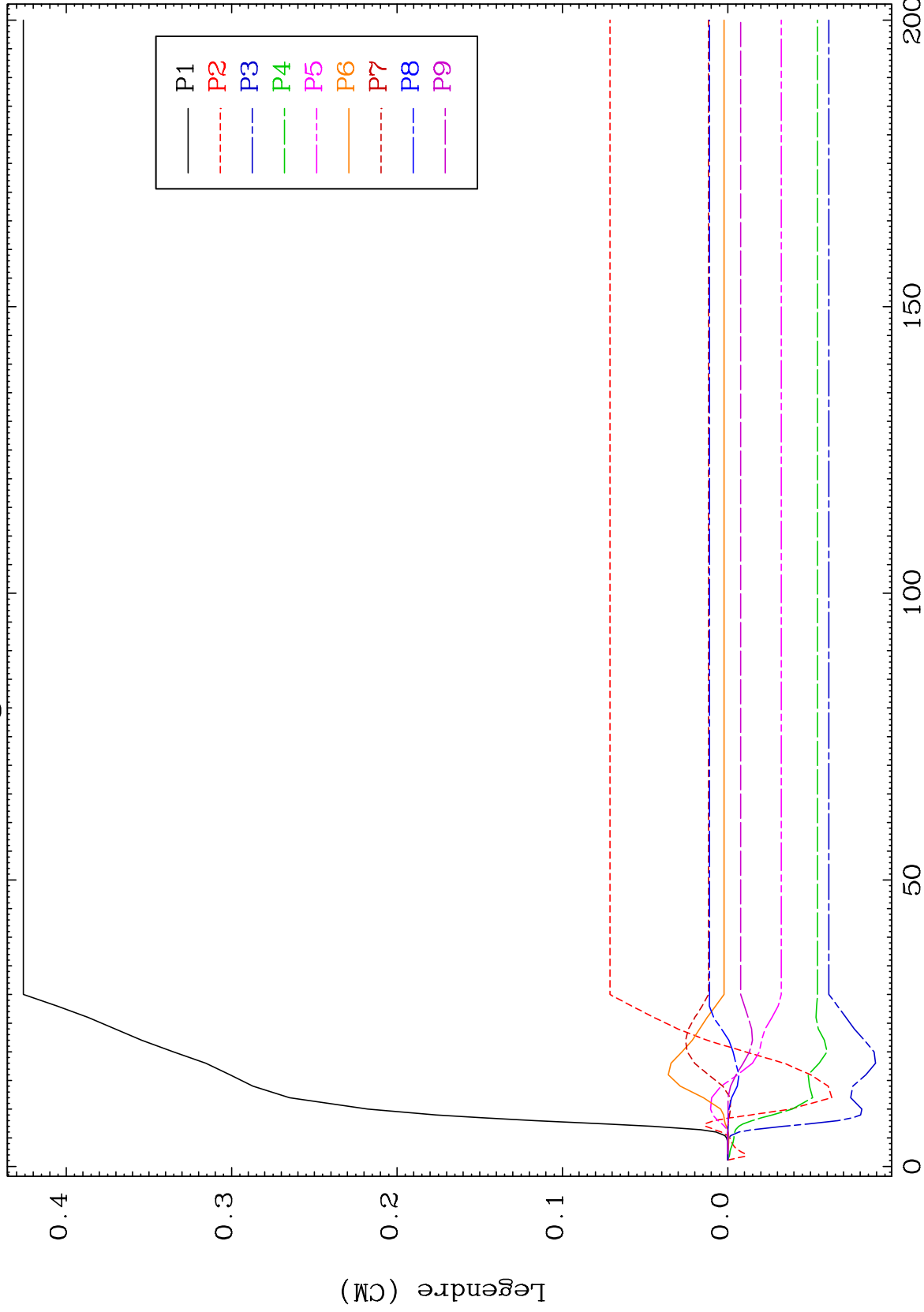


63 61-Pm-141

MAT 6131

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

61-Pm-141



64

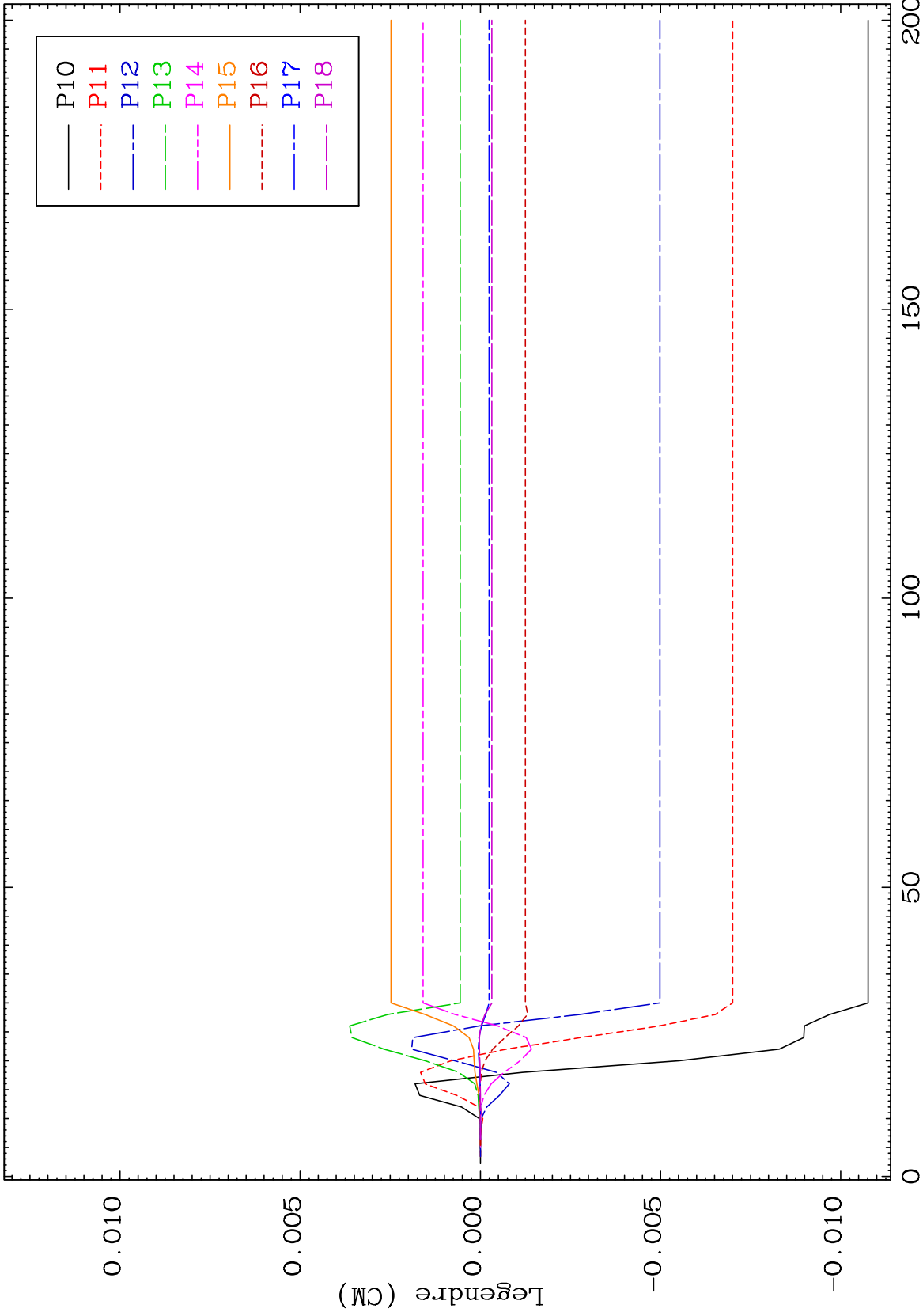
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



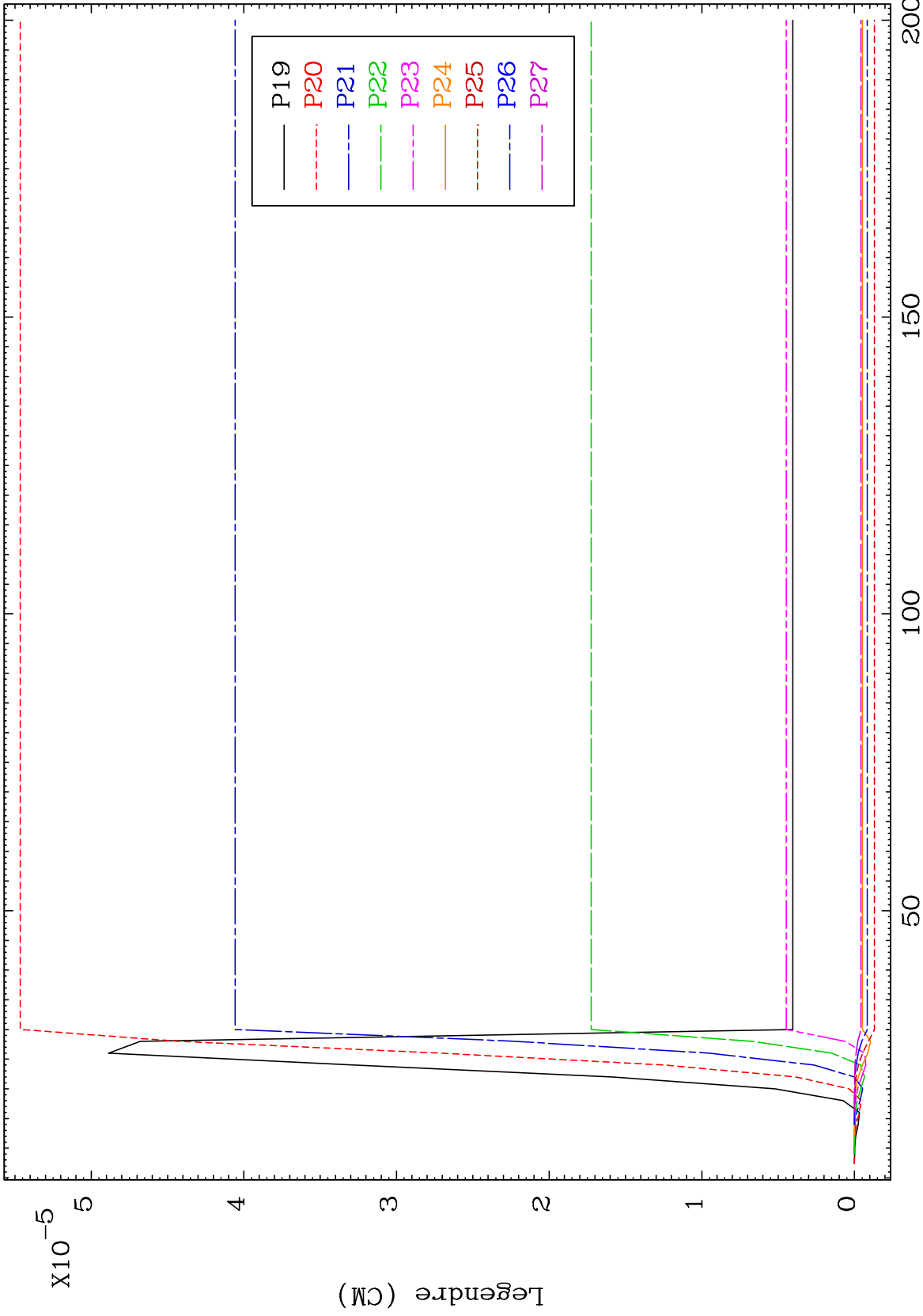
65

61-Pm-141

MAT 6131

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

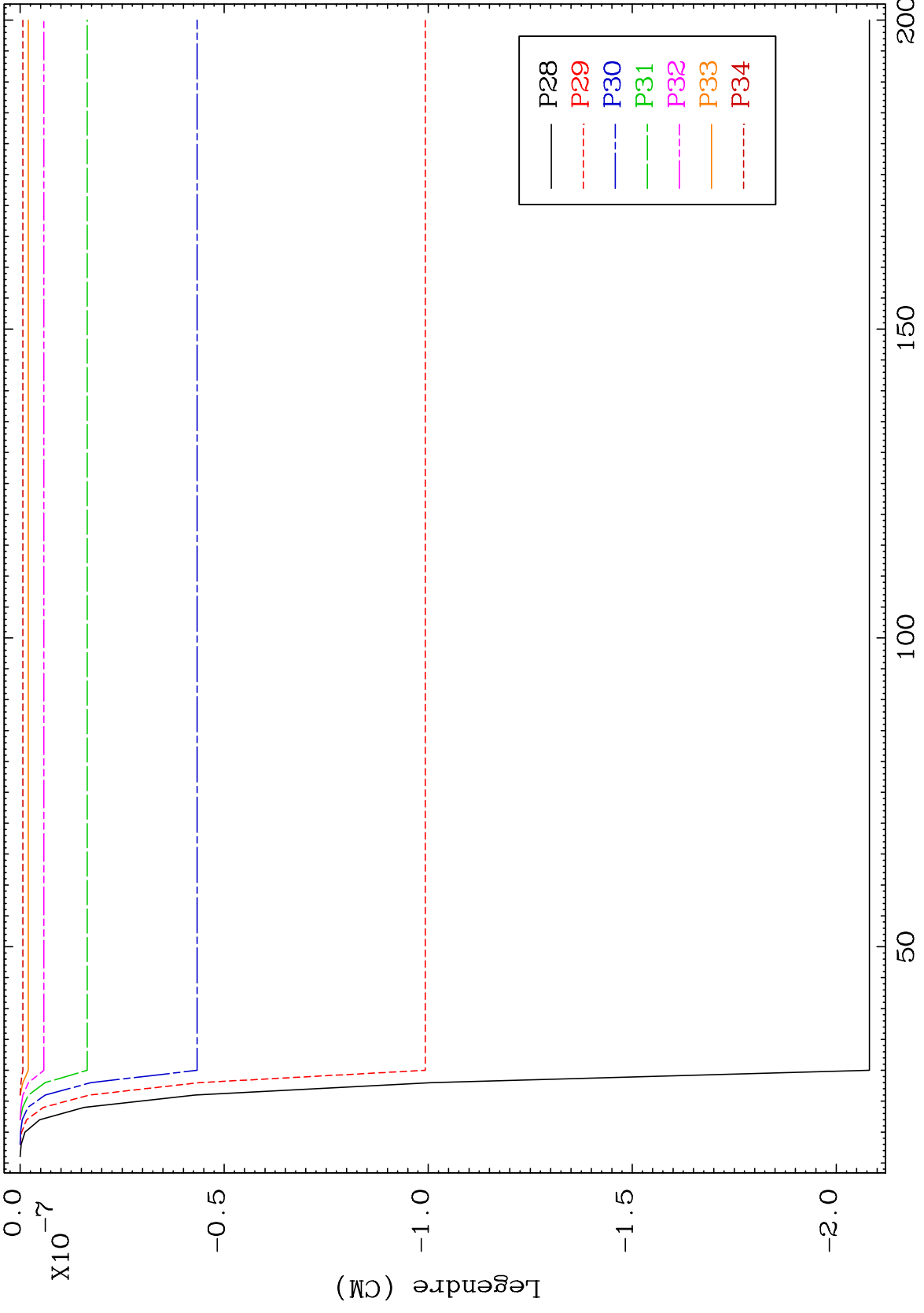
61-Pm-141



66

61-Pm-141

MAT 6131 MT= 62 (n,n') Level Legendre Coefficients 61-Pm-141

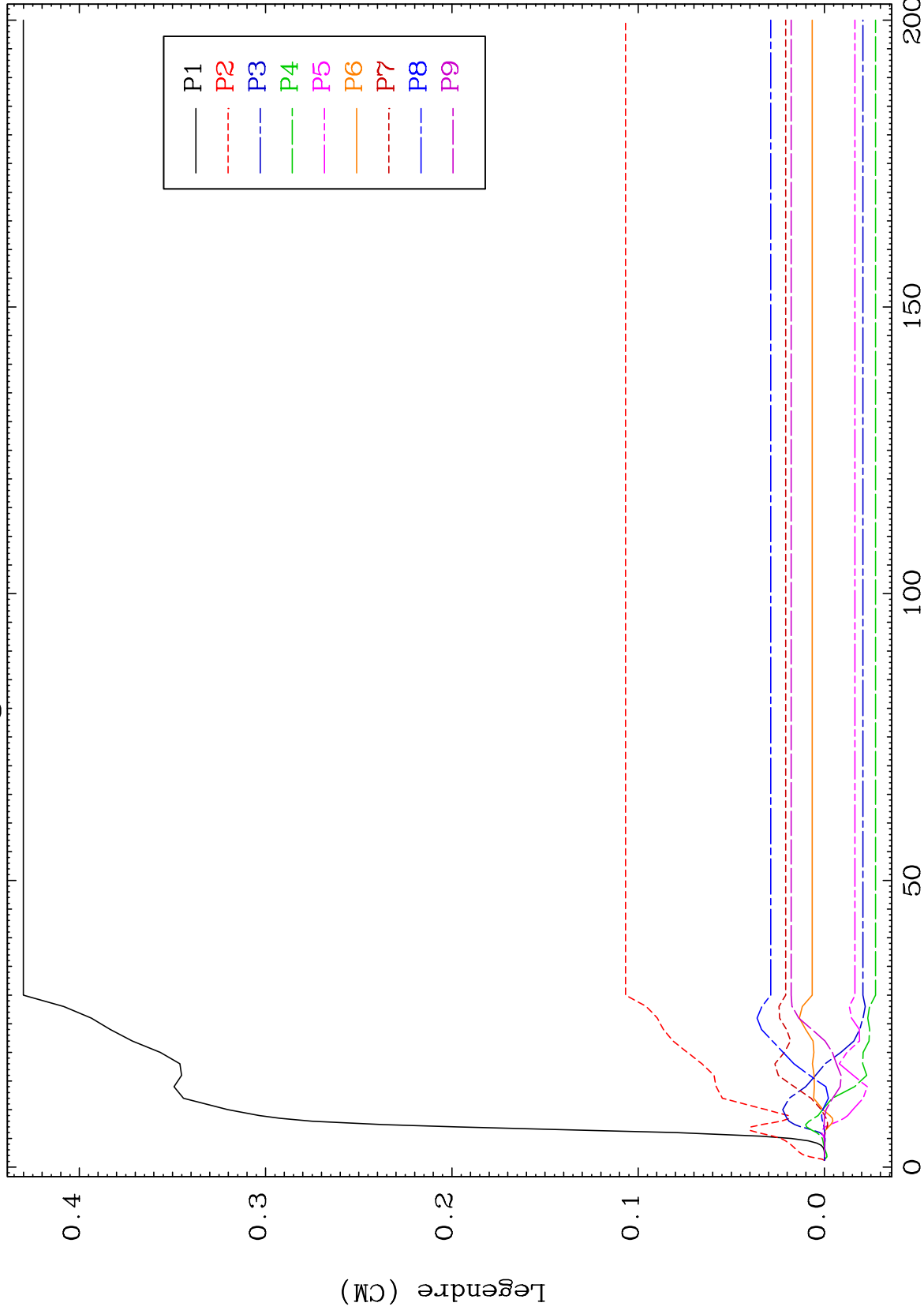


67 61-Pm-141

MAT 6131

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

61-Pm-141



68

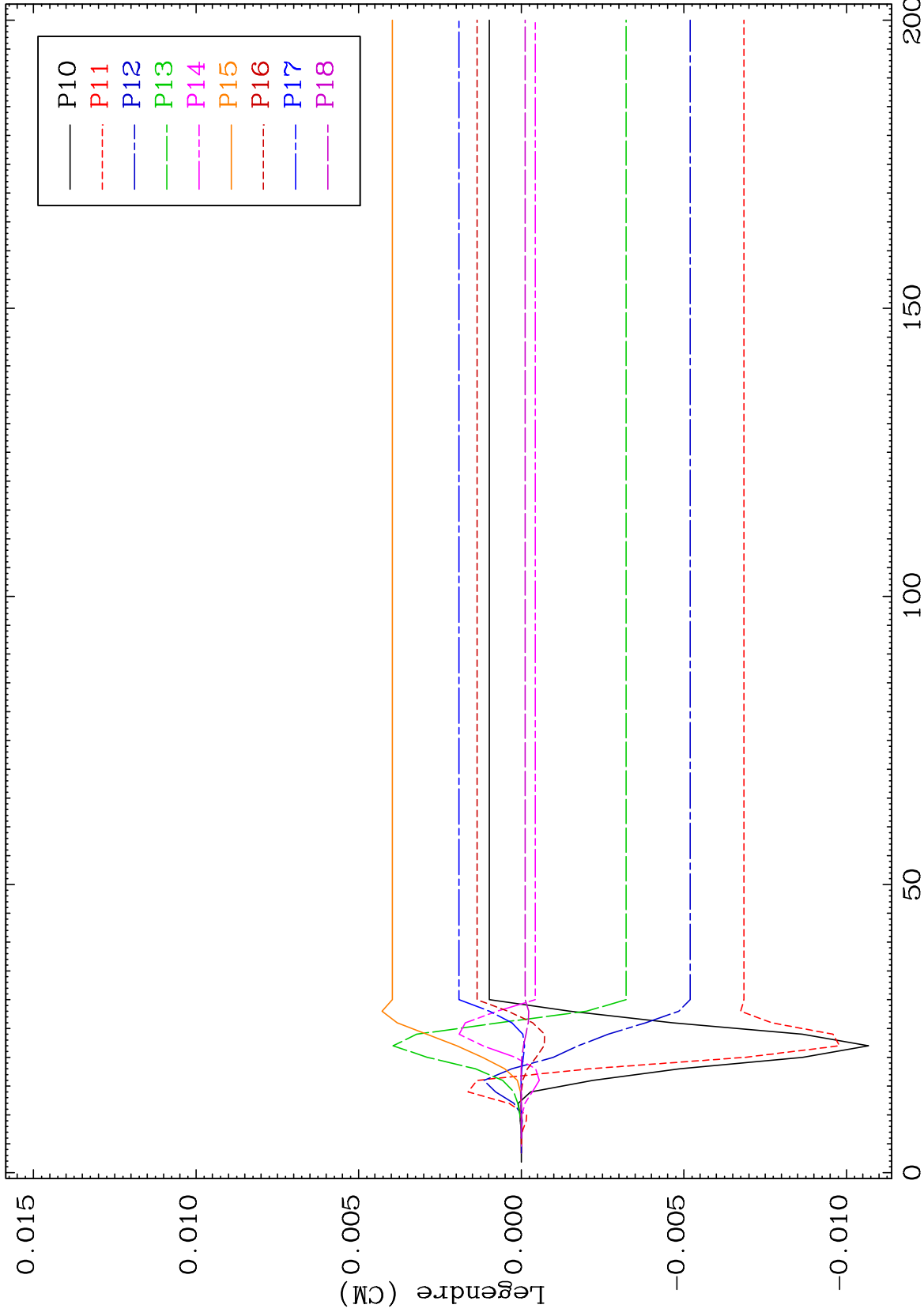
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141

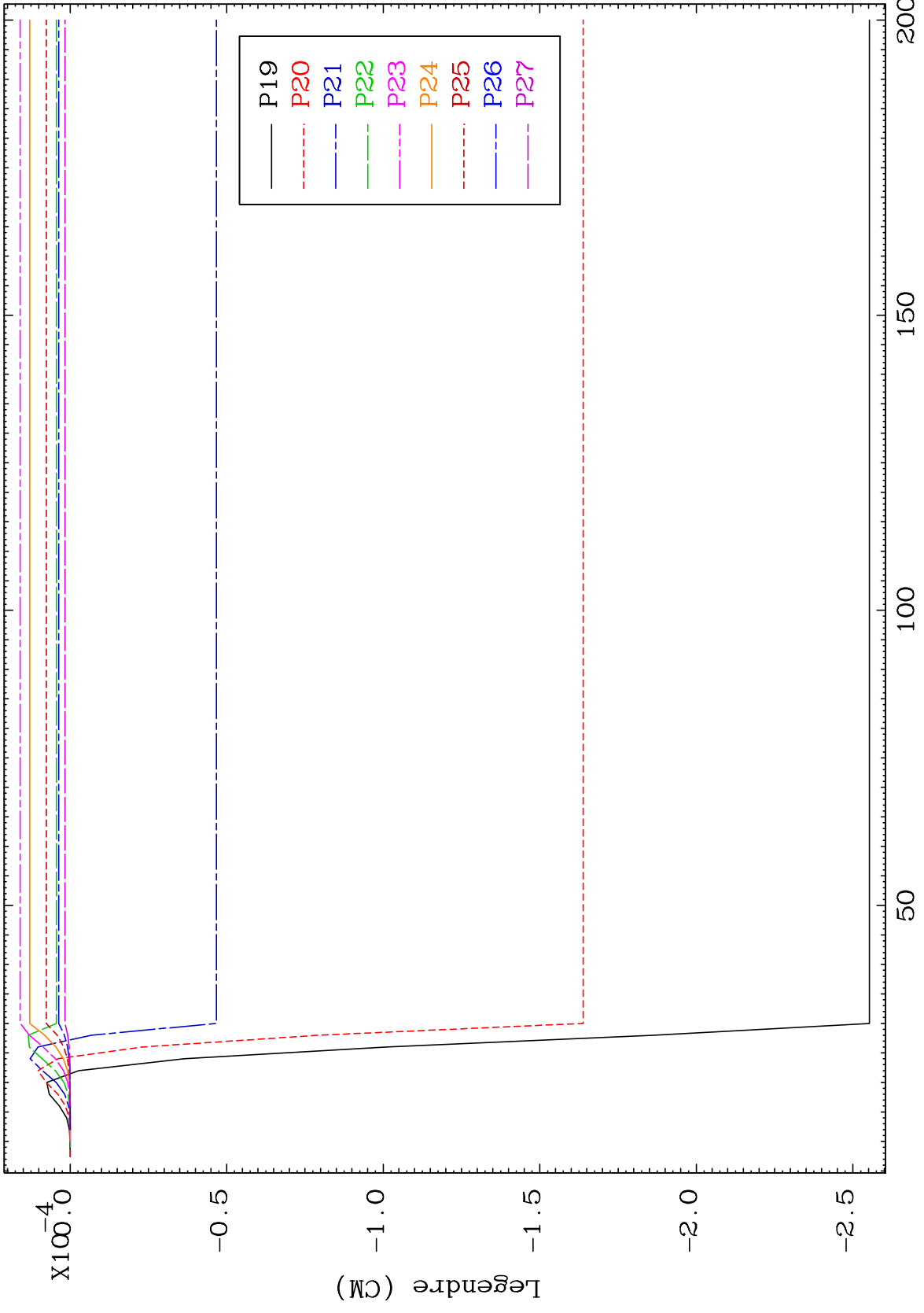


69

Incident Energy (MeV)

61-Pm-141

MAT 6131 MT= 63 (n,n') Level Legendre Coefficients 61-Pm-141

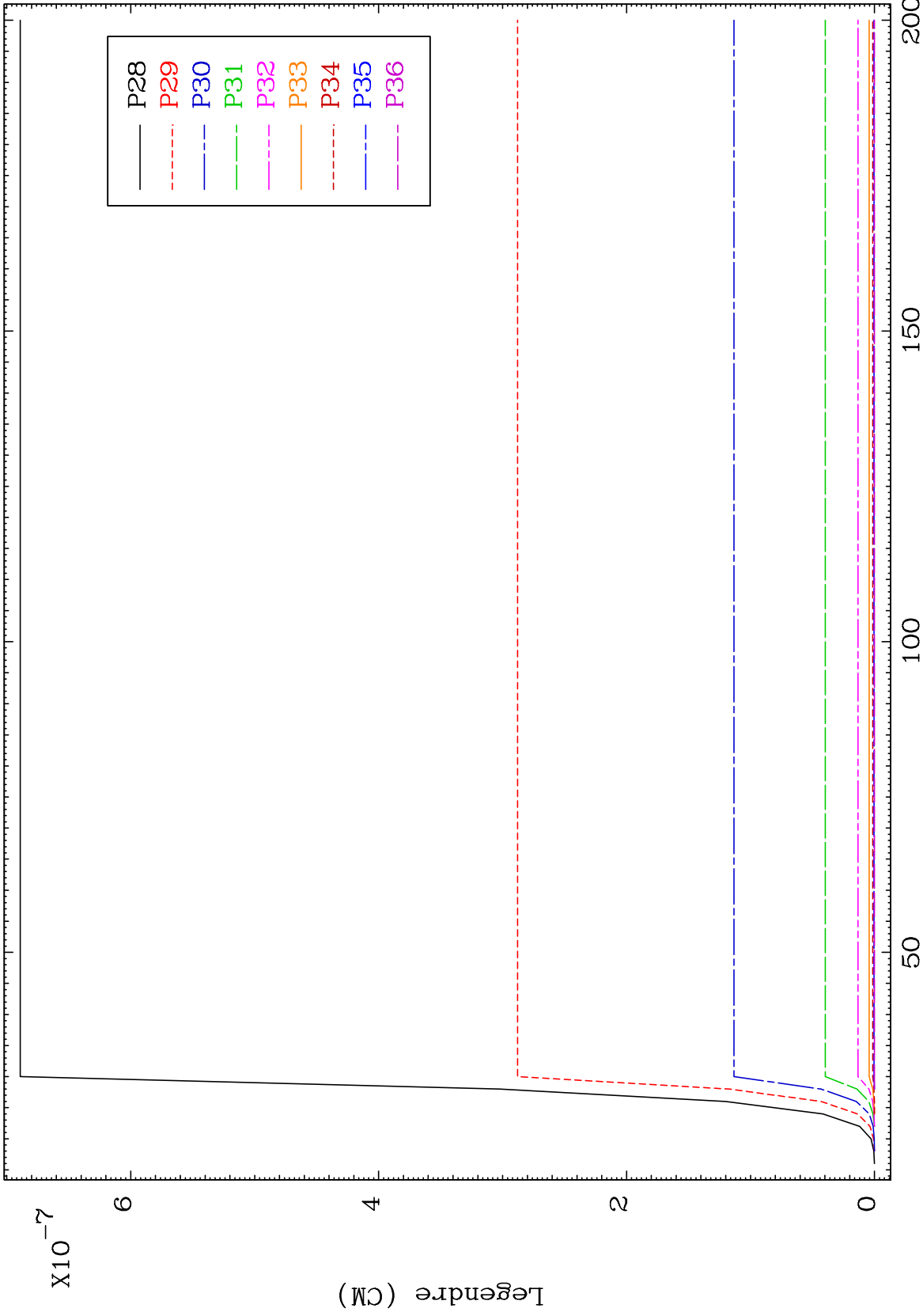


70 Incident Energy (MeV) 61-Pm-141

MAT 6131

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

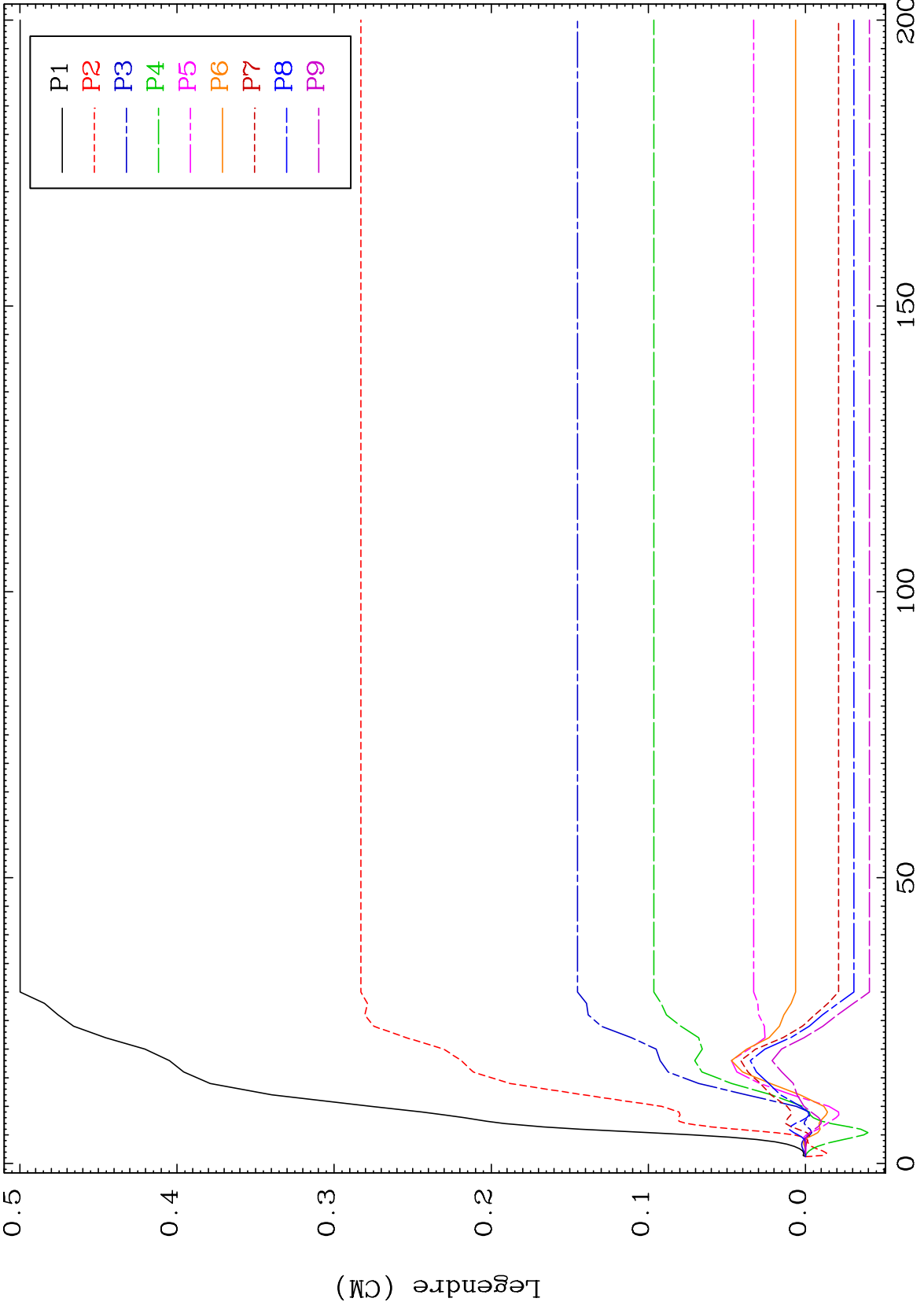
61-Pm-141



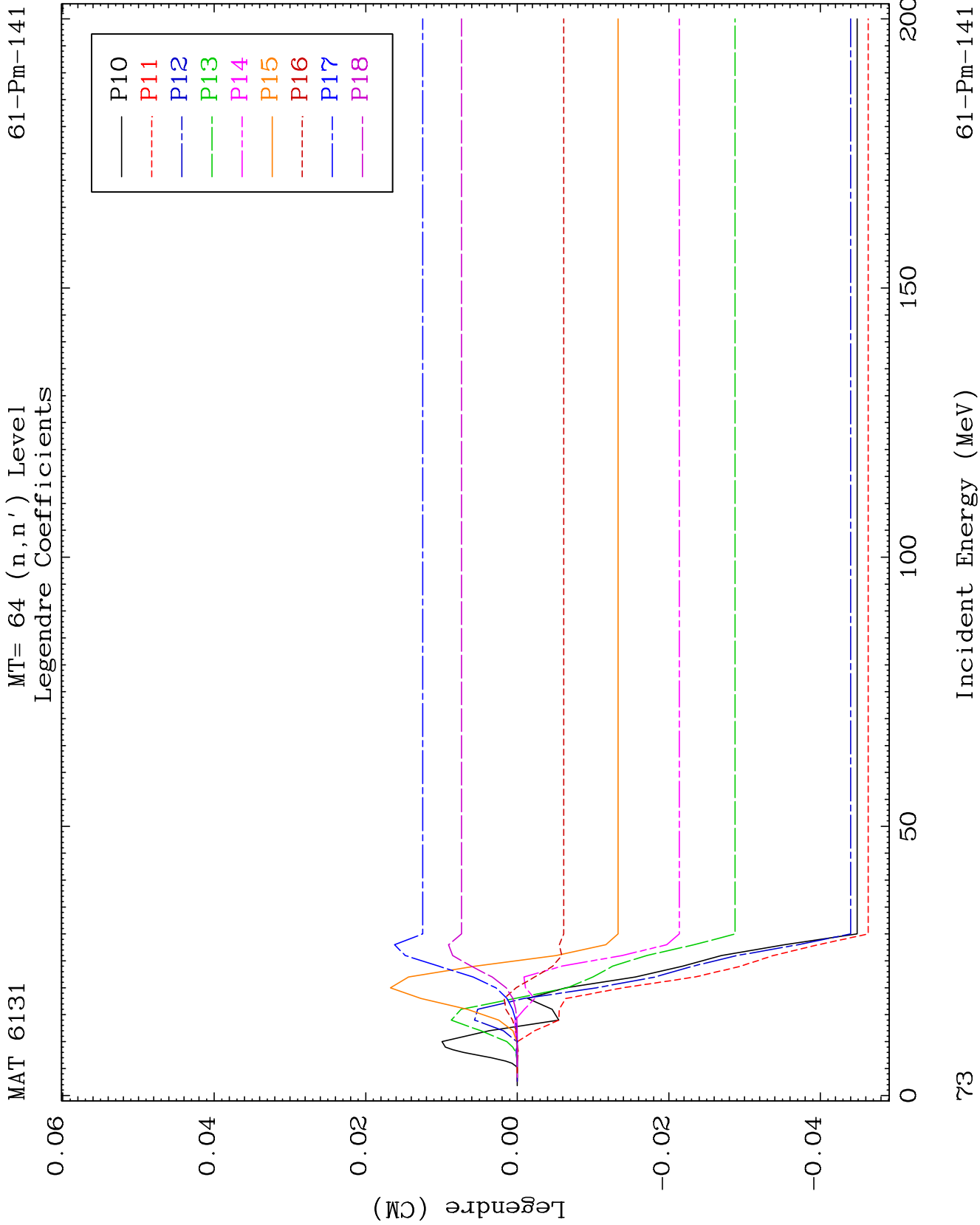
71

61-Pm-141

MAT 6131 MT= 64 (n,n') Level Legendre Coefficients 61-Pm-141



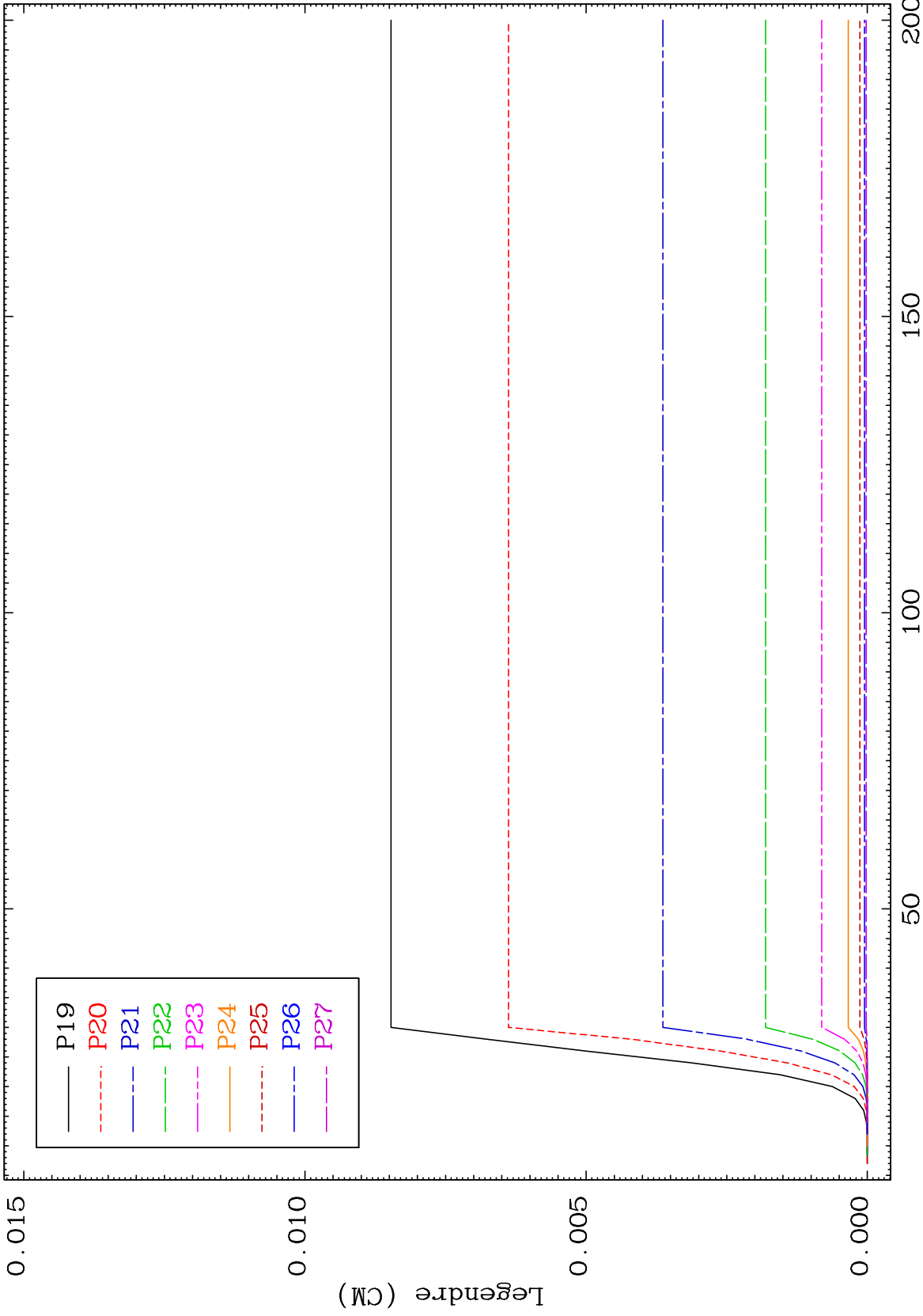
72 61-Pm-141



MAT 6131

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

61-Pm-141



74

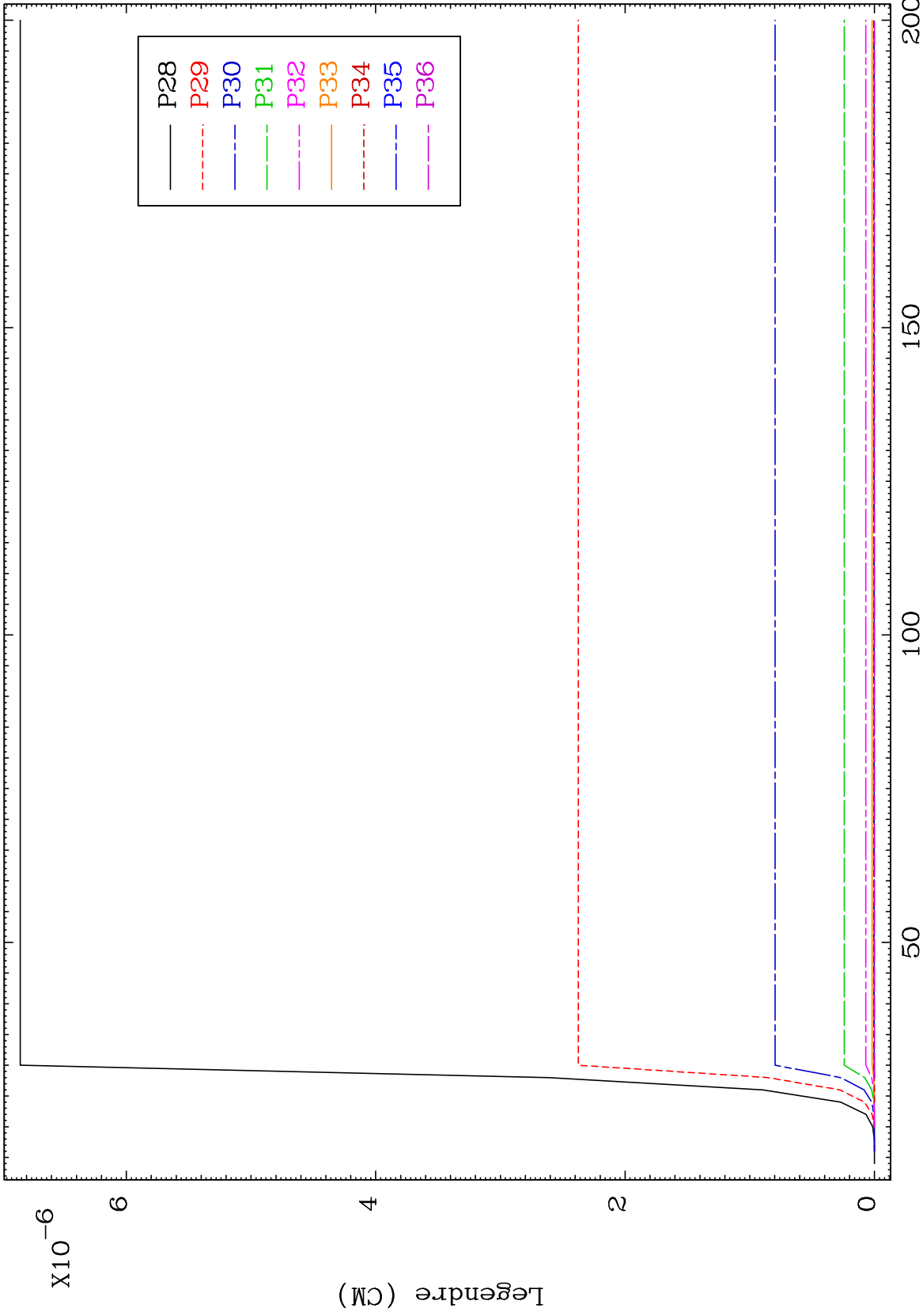
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141

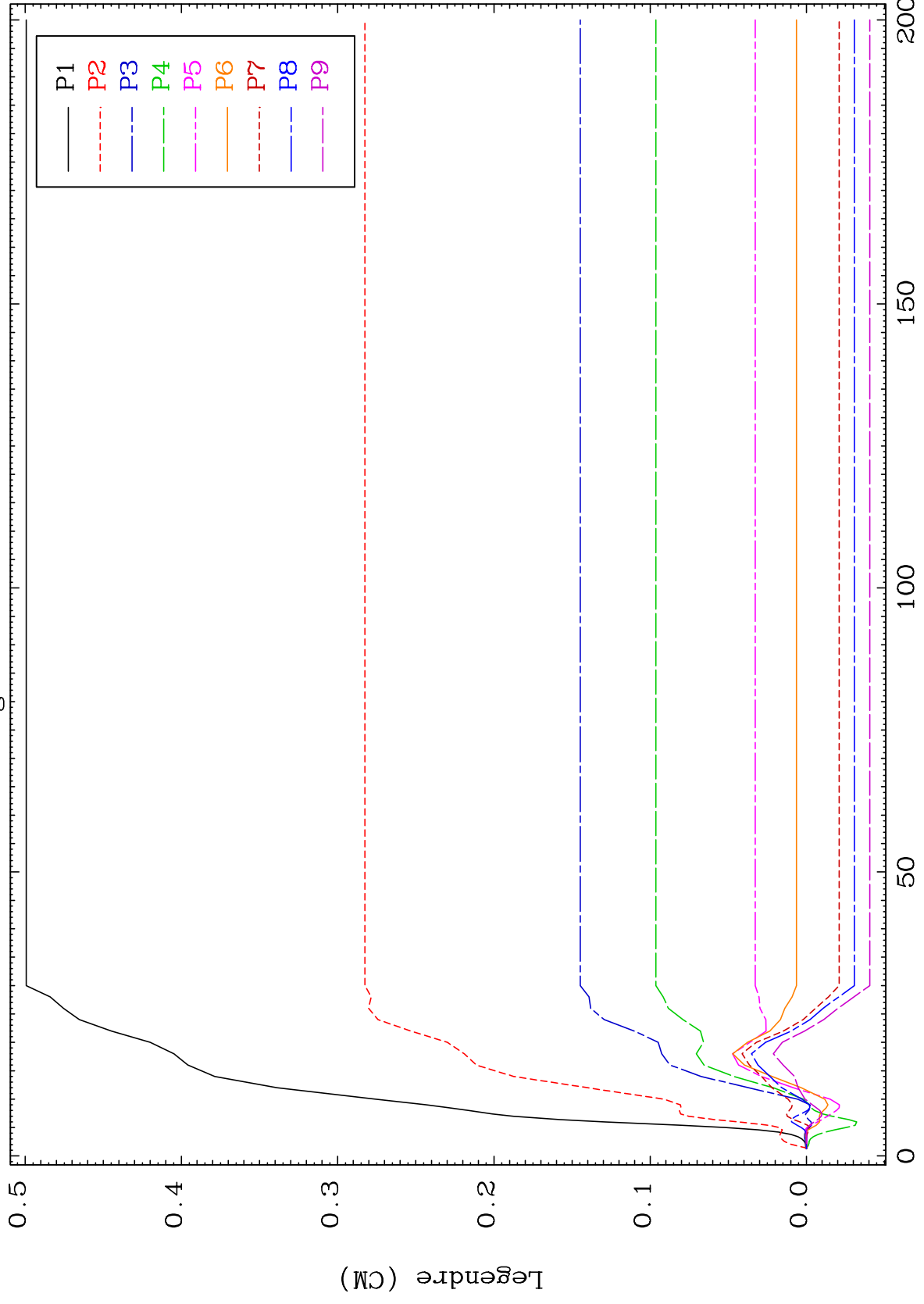


75

Incident Energy (MeV)

61-Pm-141

MAT 6131 MT= 65 (n,n') Level Legendre Coefficients 61-Pm-141

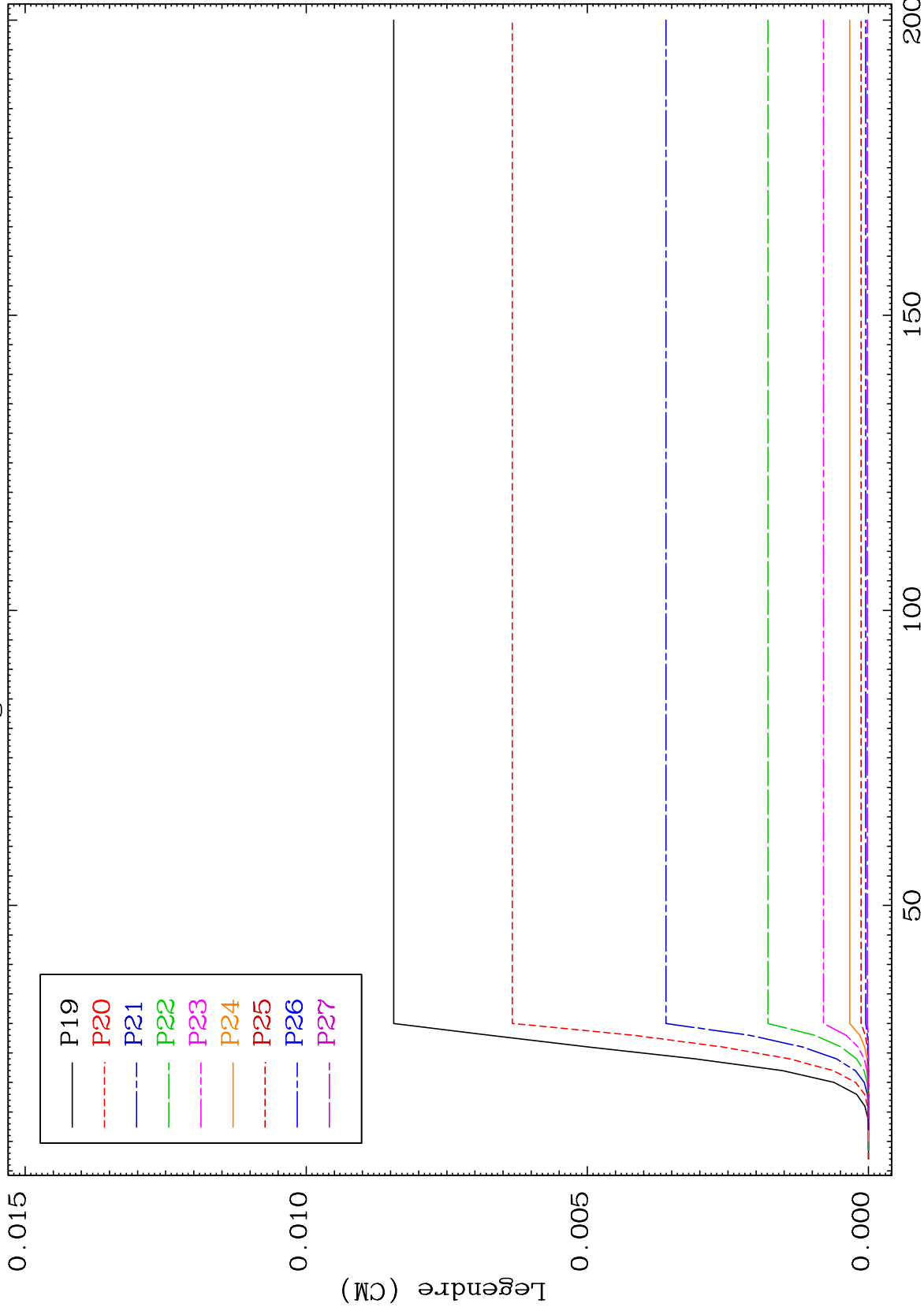


76 61-Pm-141

MAT 6131

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

61-Pm-141



78

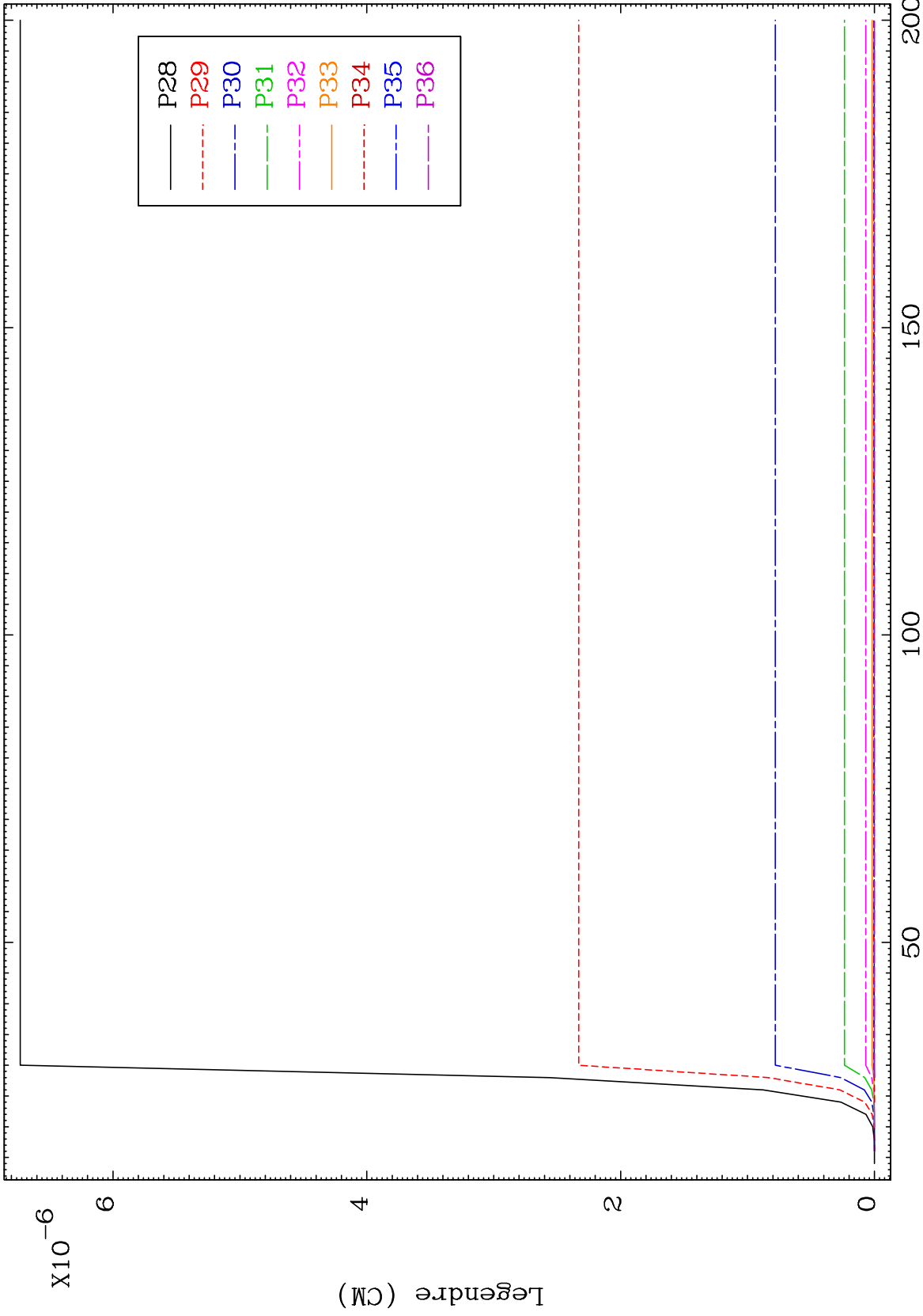
Incident Energy (MeV)

61-Pm-141

MAT 6131

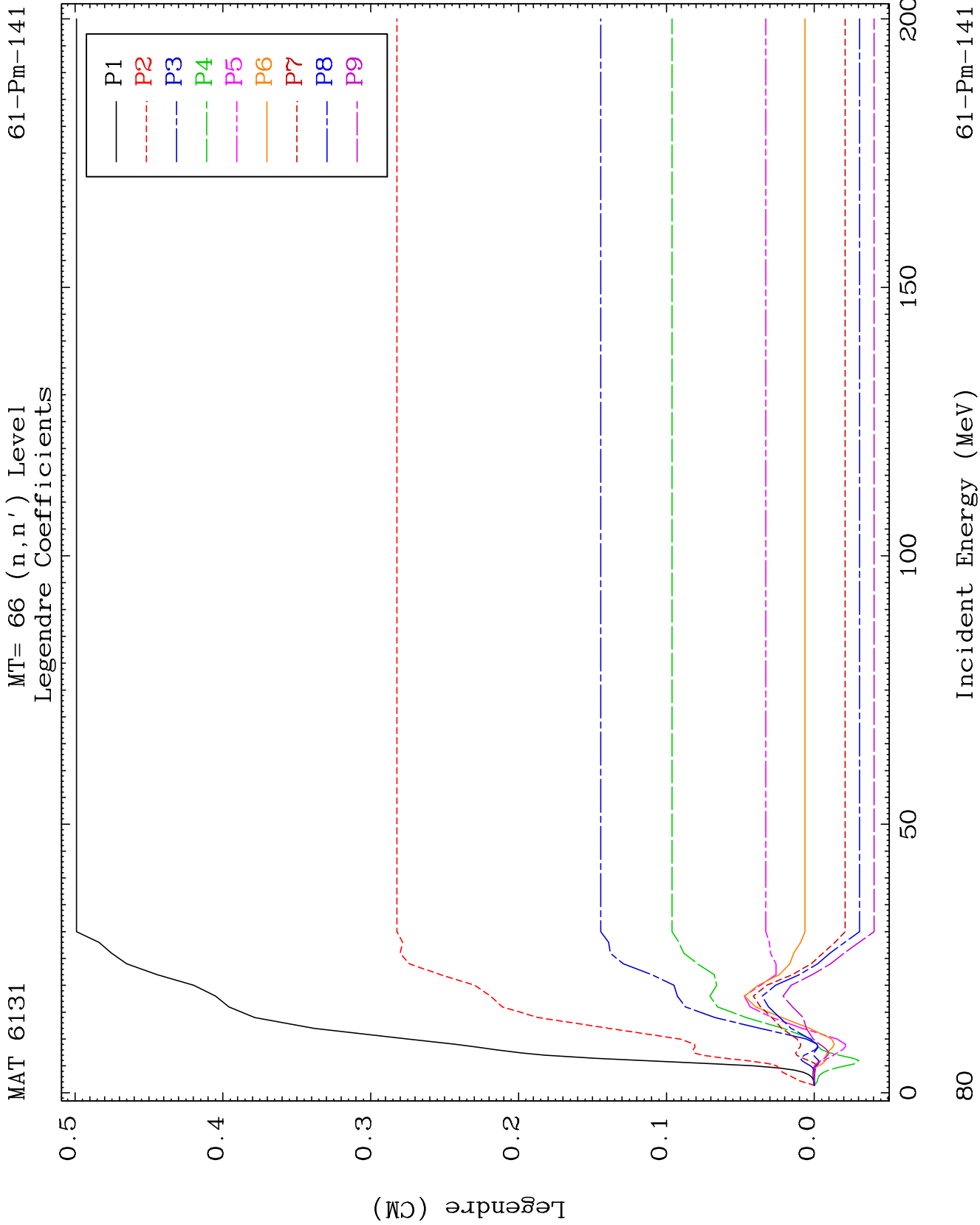
MT= 65 (n,n') Level
Legendre Coefficients

61-Pm-141



79

61-Pm-141

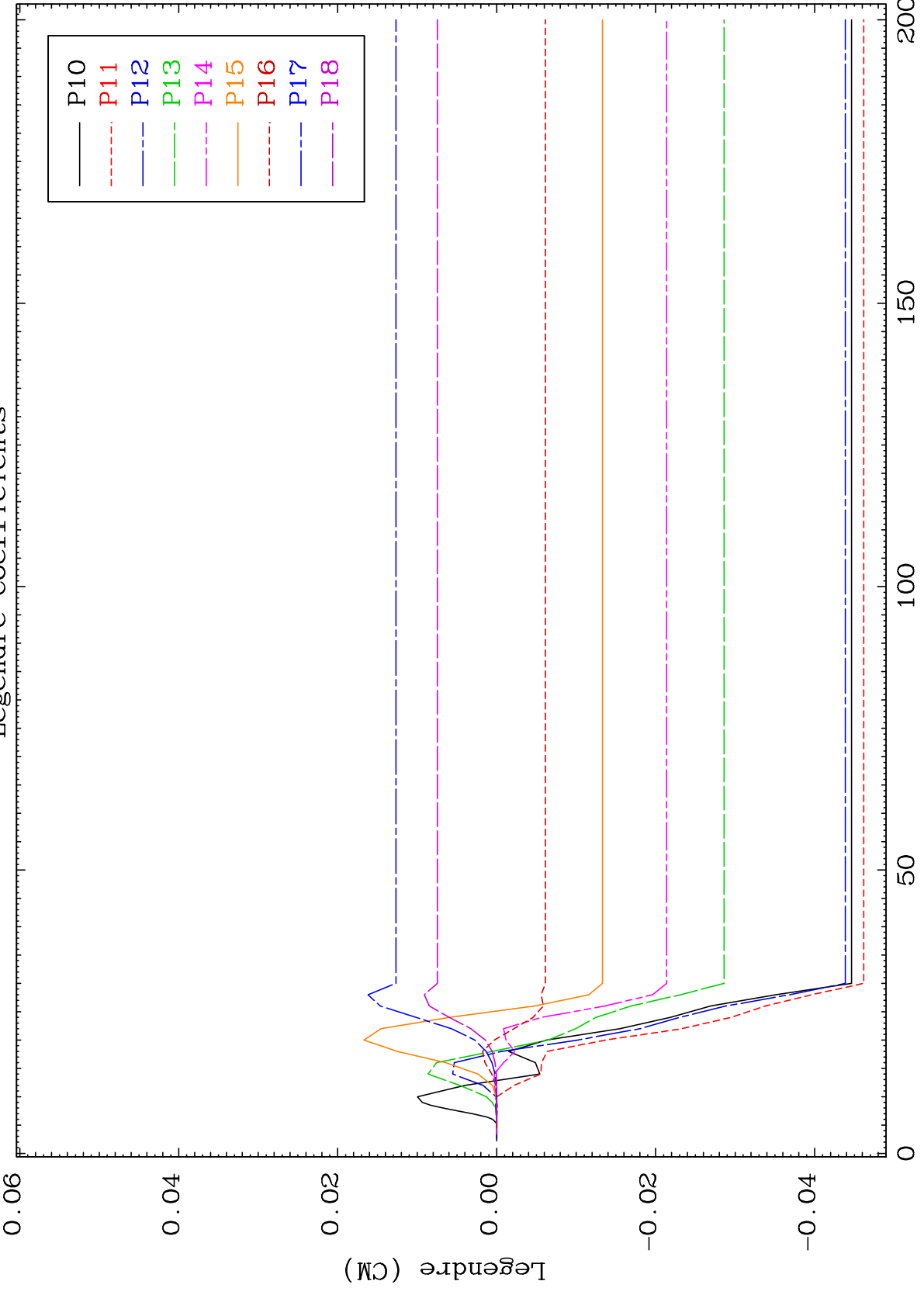


MAT 6131 MT= 66 (n,n') Level Legendre Coefficients

61-Pm-141

61-Pm-141

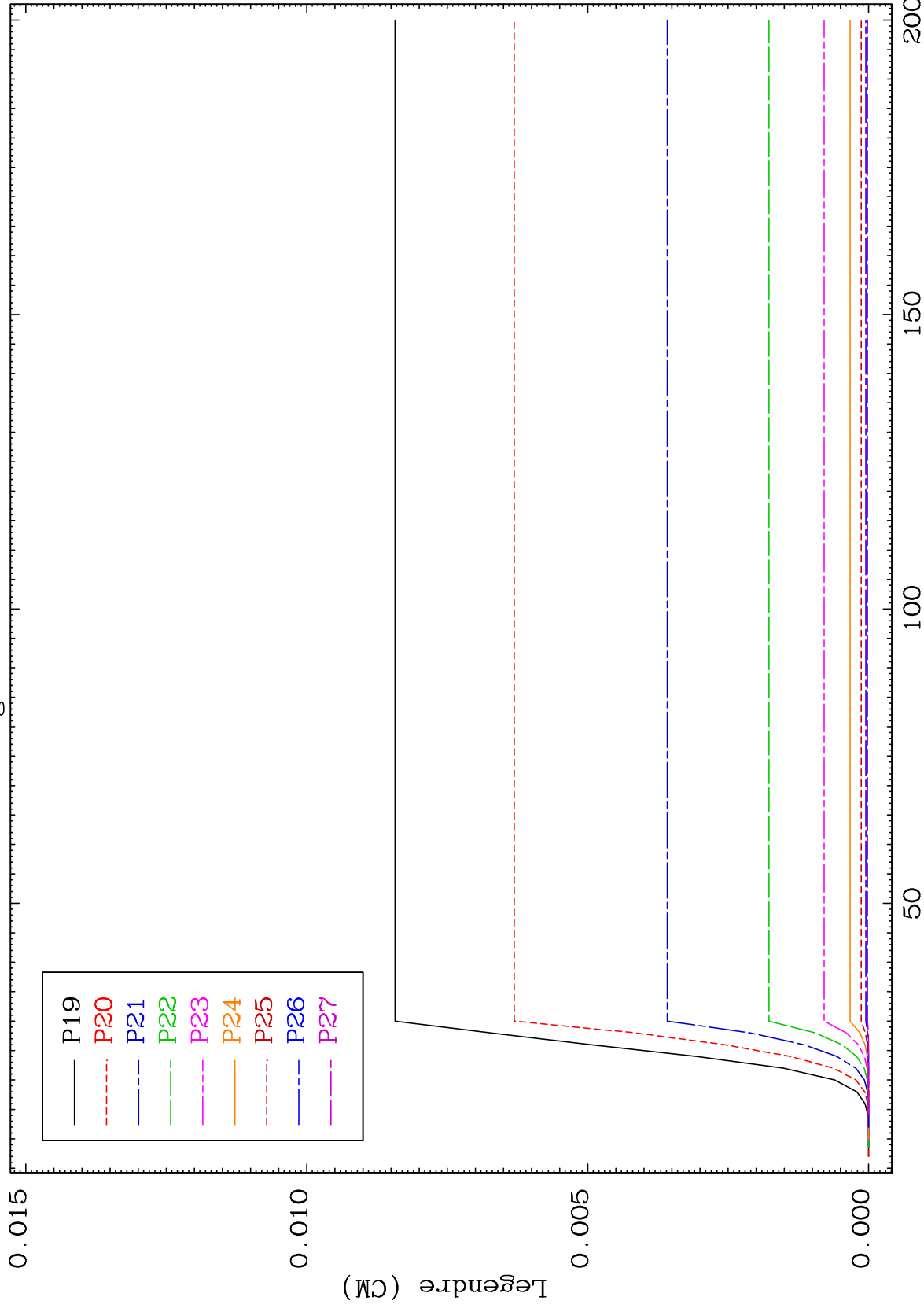
81



MAT 6131

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

61-Pm-141



82

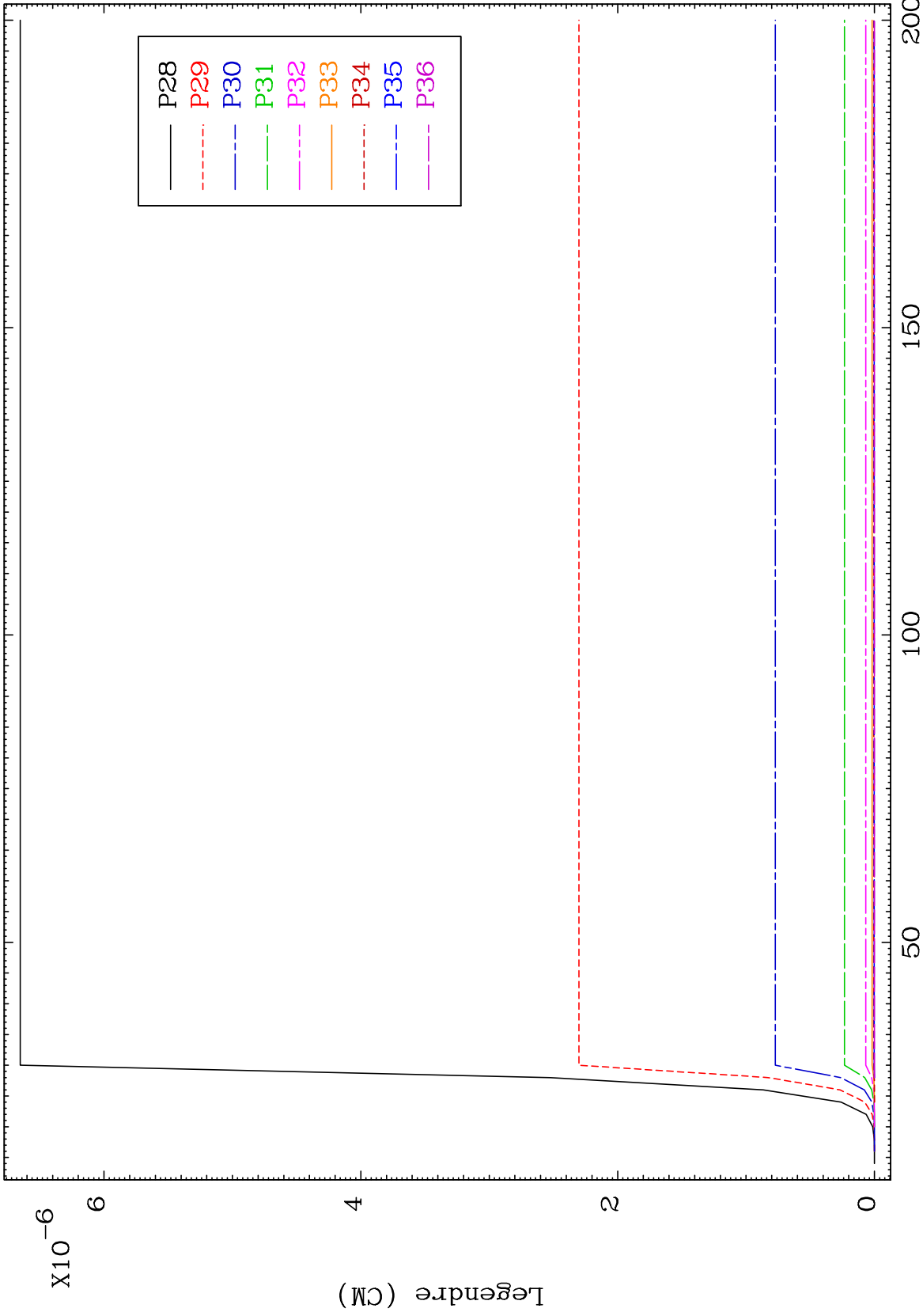
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



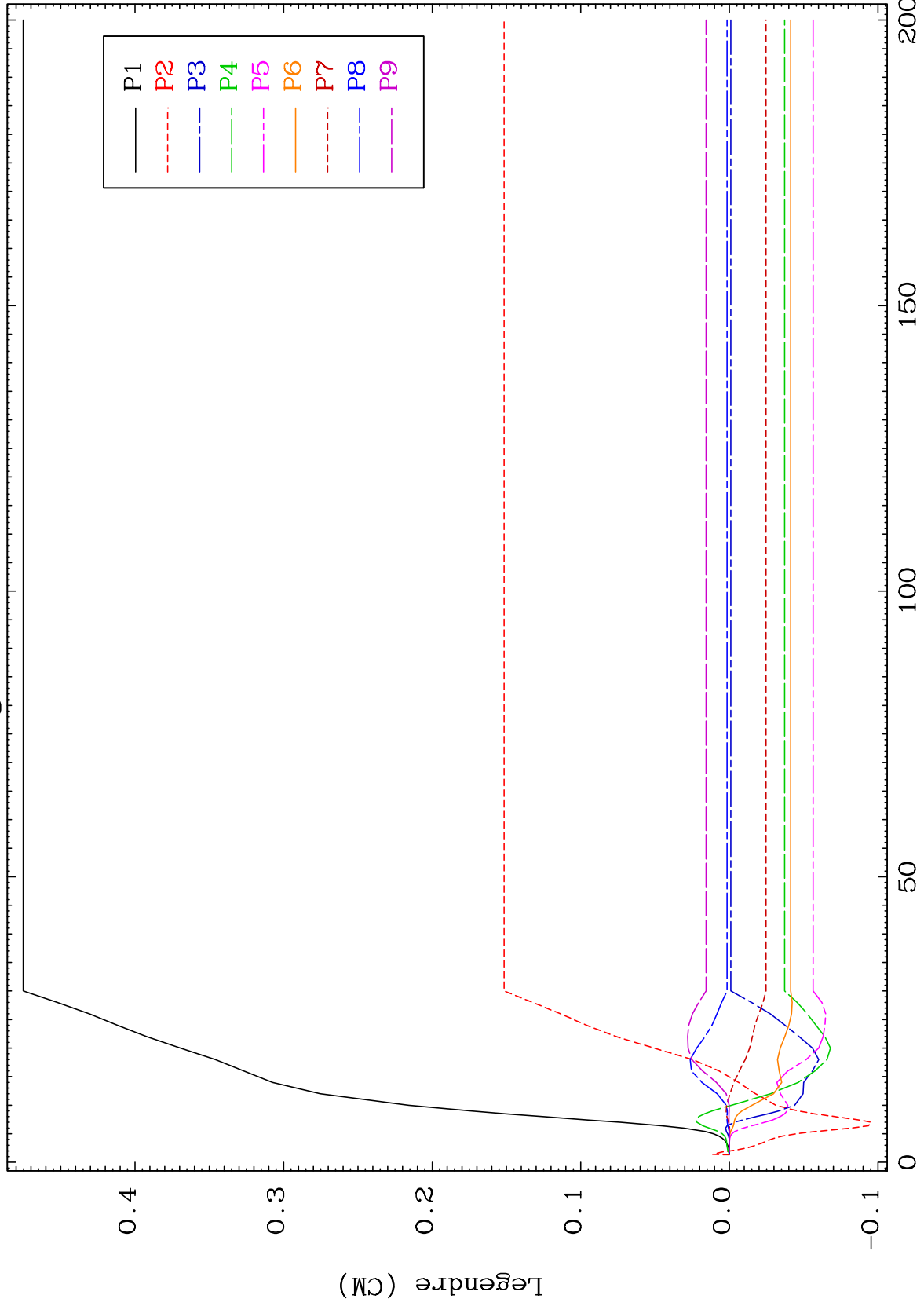
83

61-Pm-141

MAT 6131

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

61-Pm-141



84

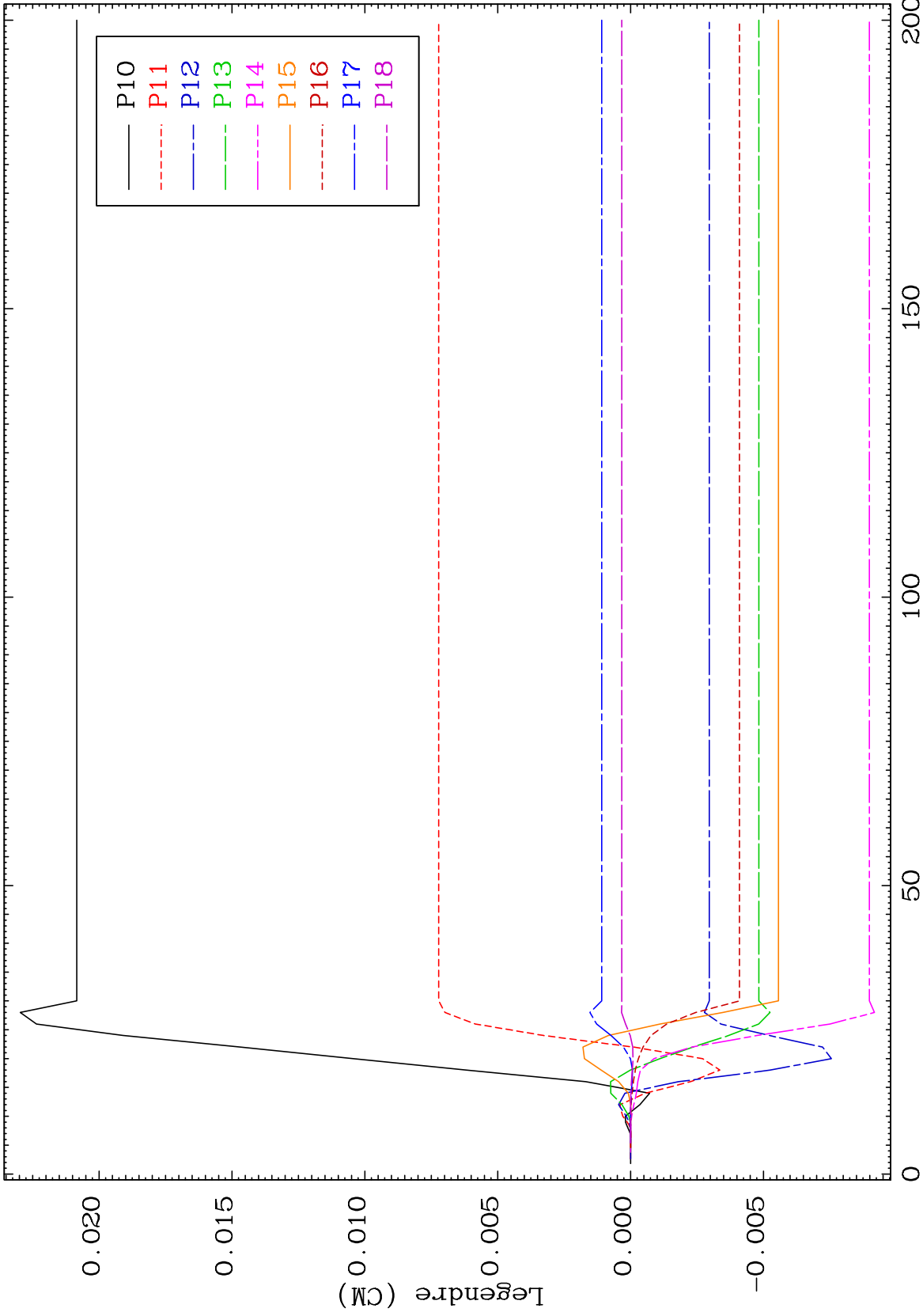
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

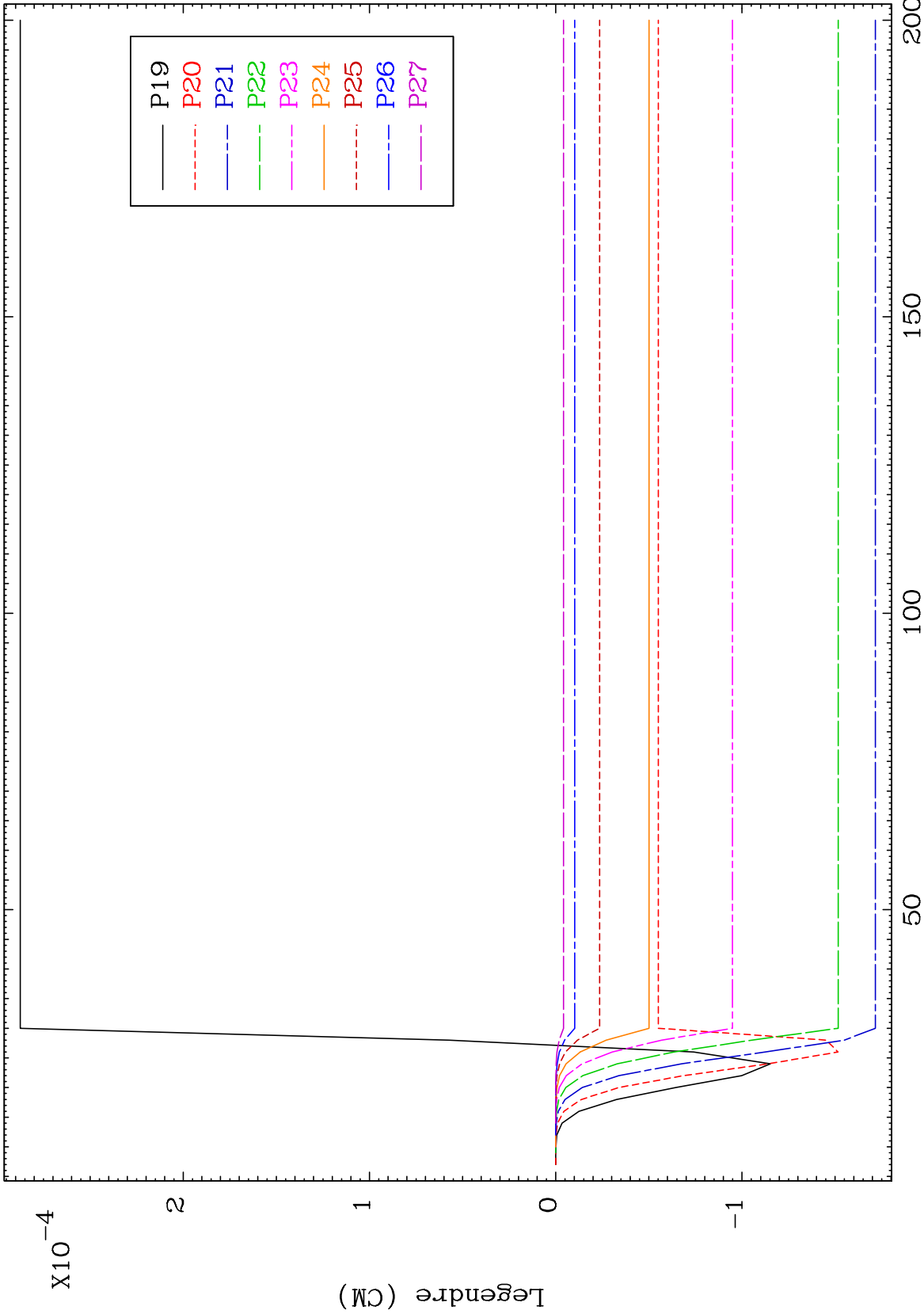
61-Pm-141



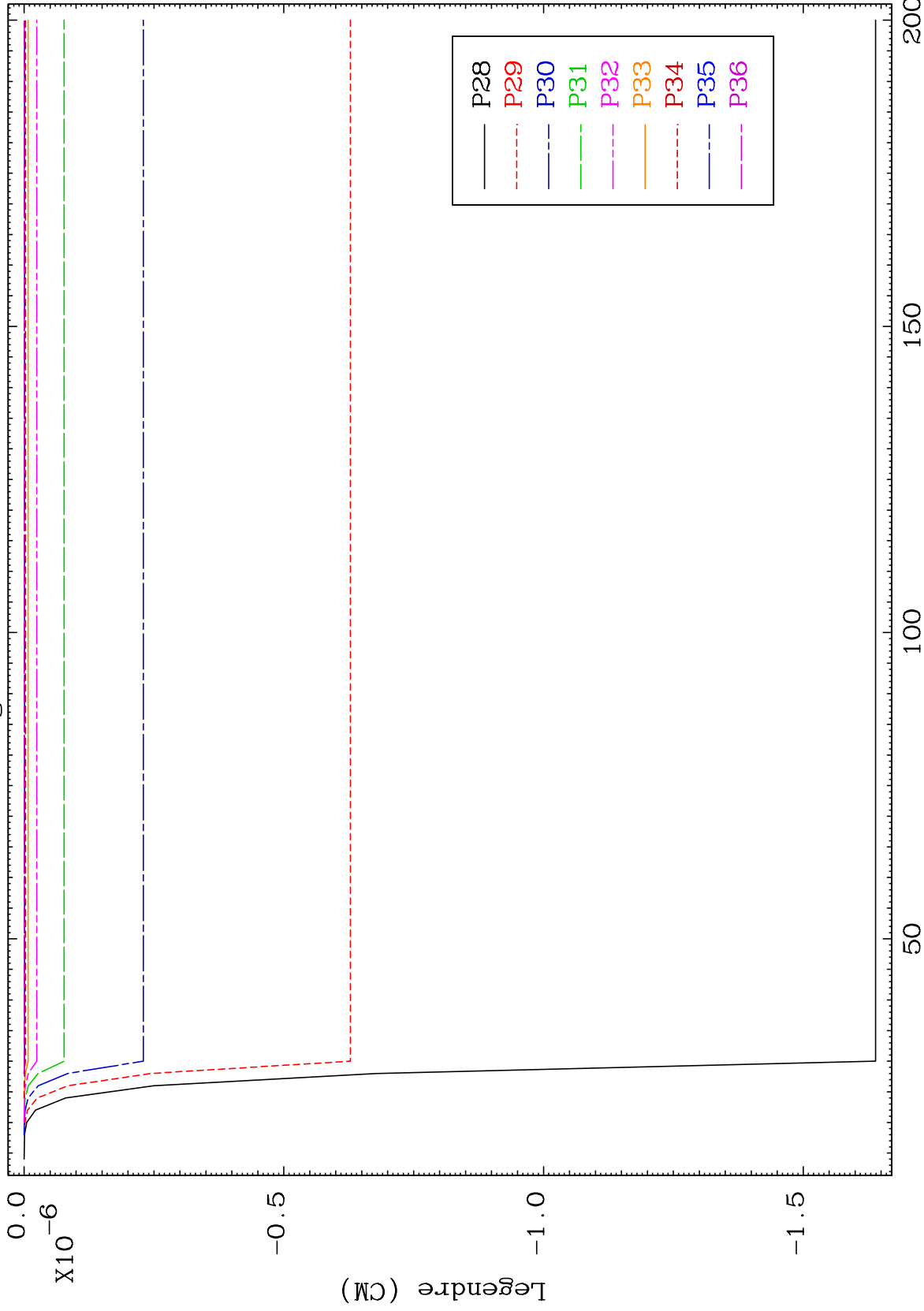
85

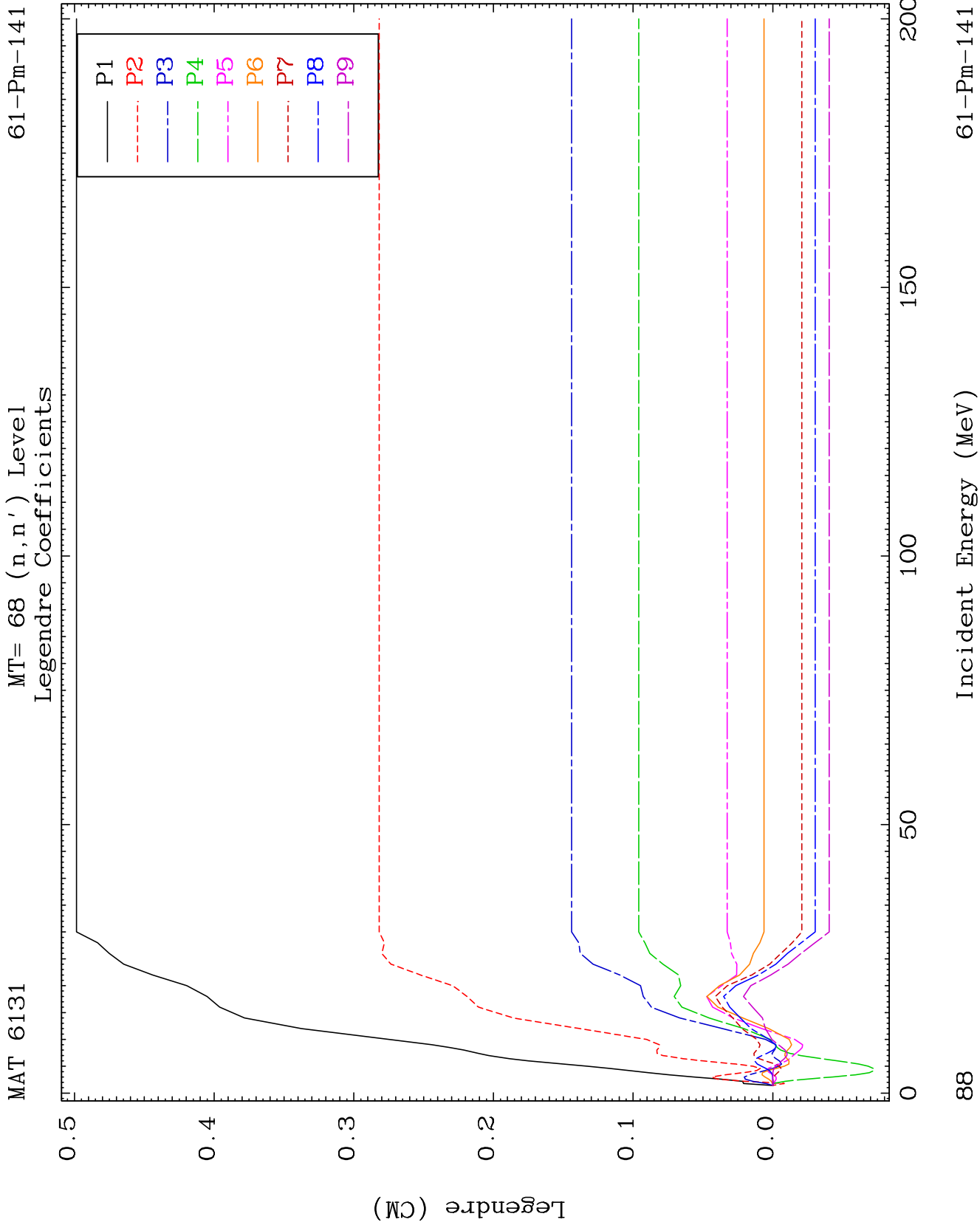
Incident Energy (MeV)

61-Pm-141



MAT 6131 MT= 67 (n,n') Level Legendre Coefficients 61-Pm-141

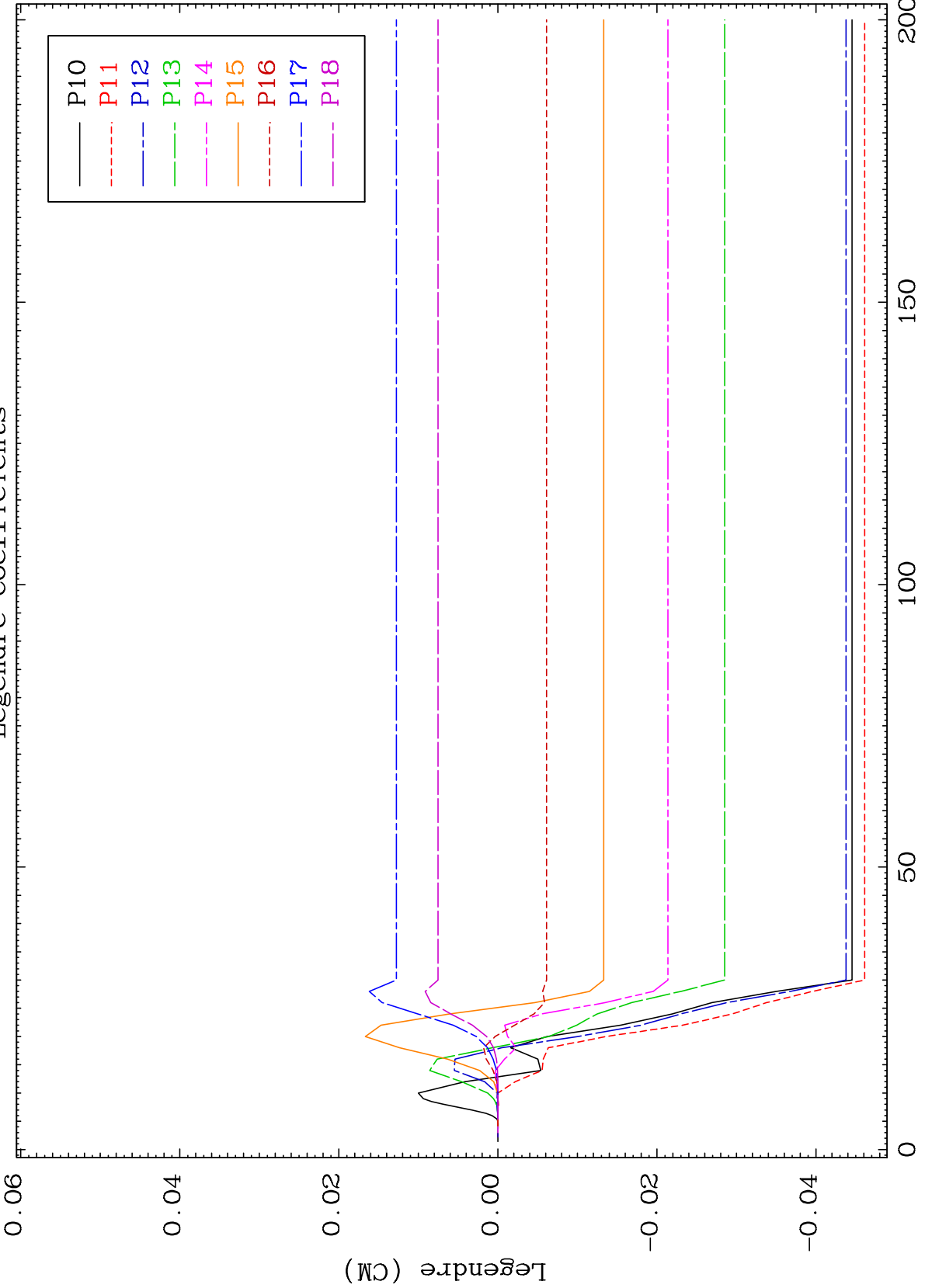




MAT 6131 MT= 68 (n,n') Level Legendre Coefficients

61-Pm-141

61-Pm-141

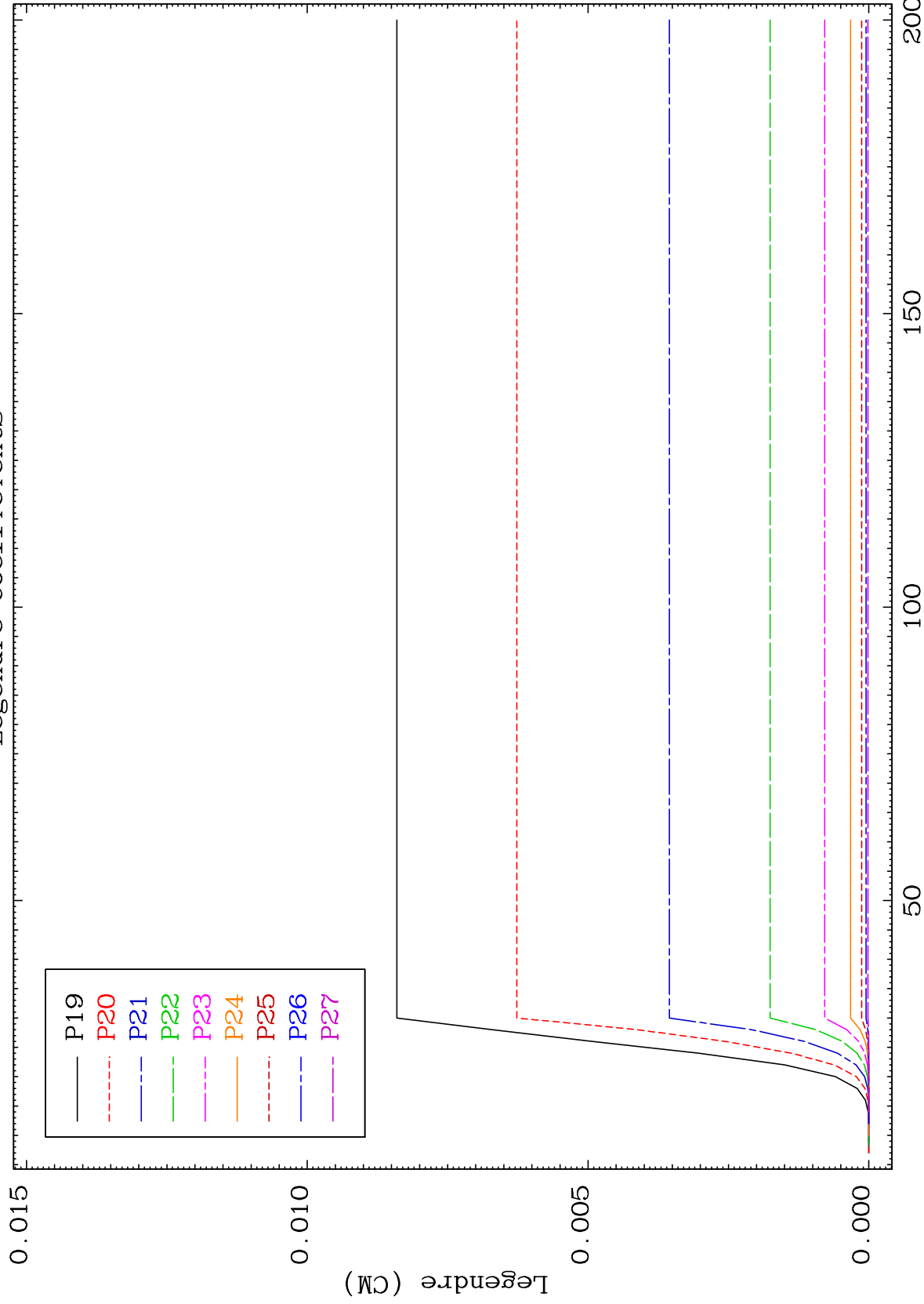


89

MAT 6131

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

61-Pm-141



90

50

100

150

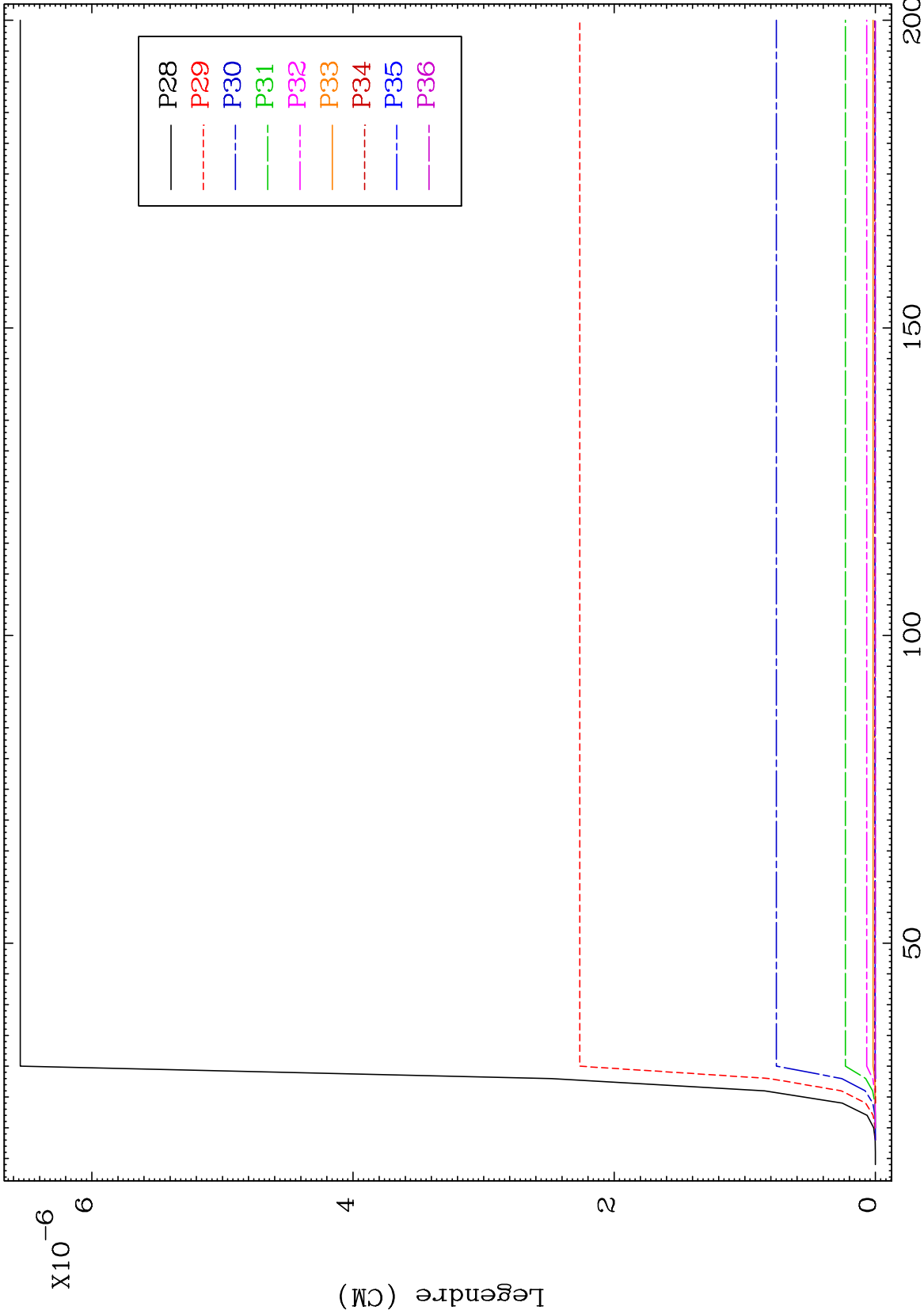
200

61-Pm-141

MAT 6131

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

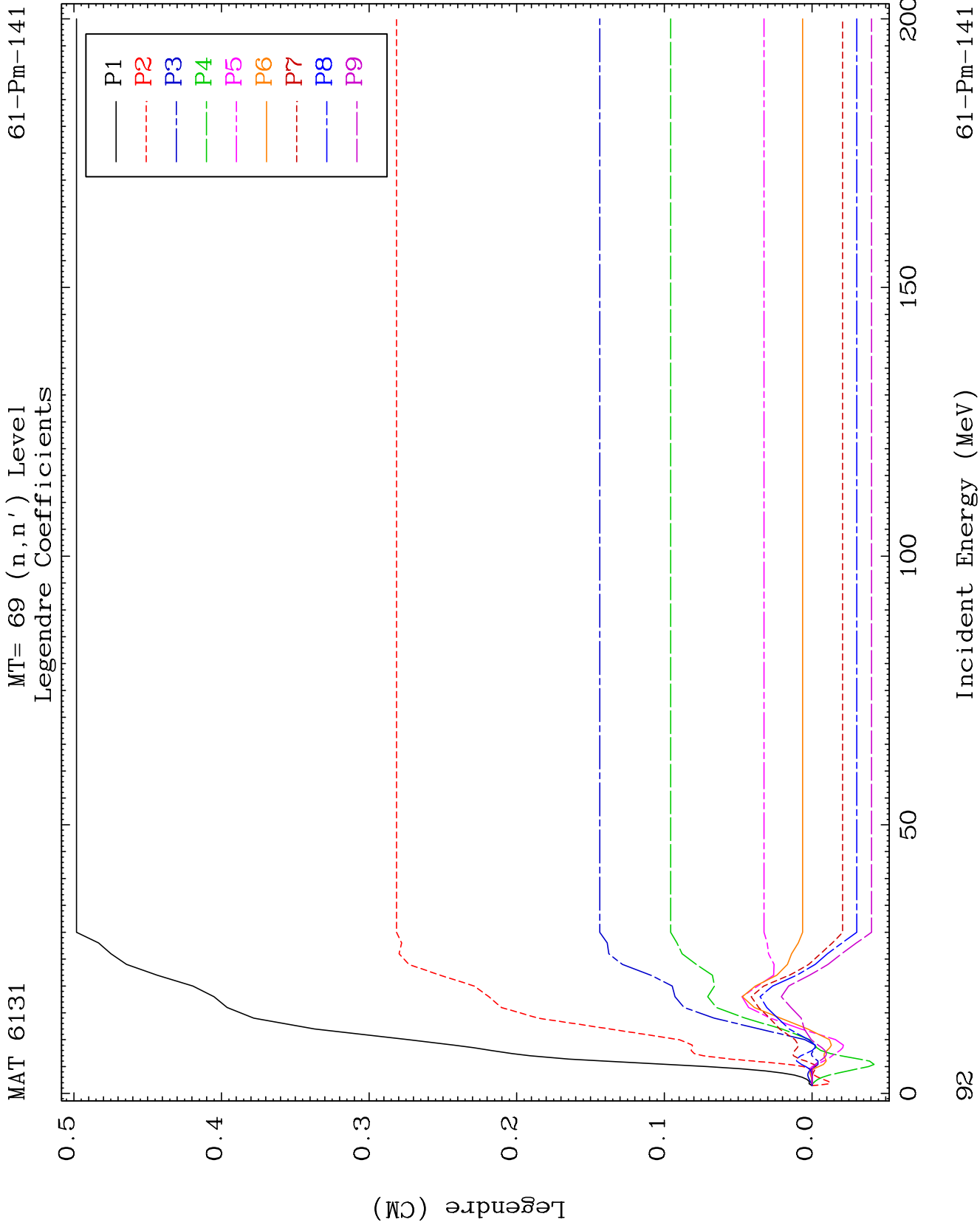
61-Pm-141



91

Incident Energy (MeV)

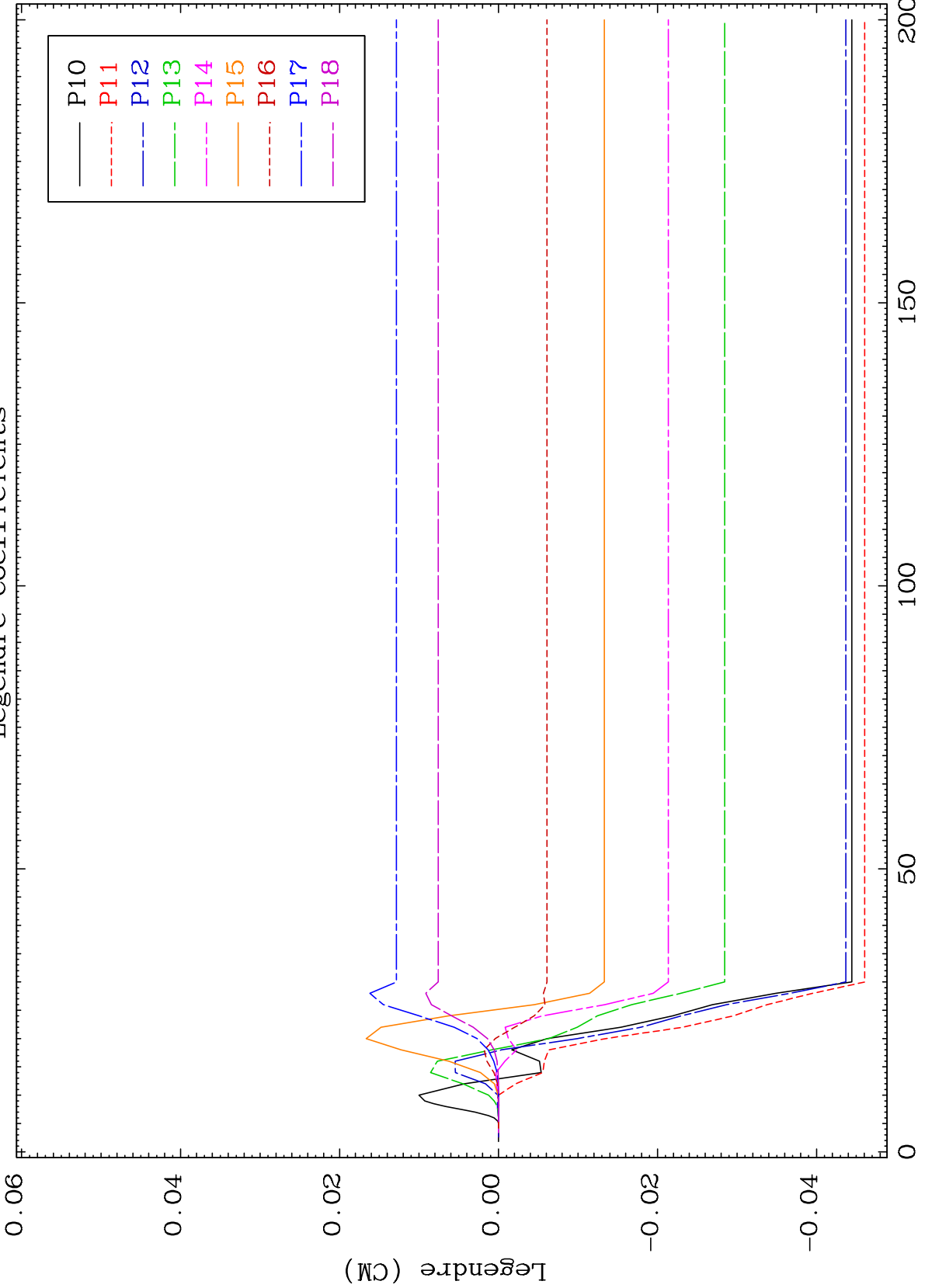
61-Pm-141



MAT 6131 MT= 69 (n,n') Level Legendre Coefficients

61-Pm-141

61-Pm-141

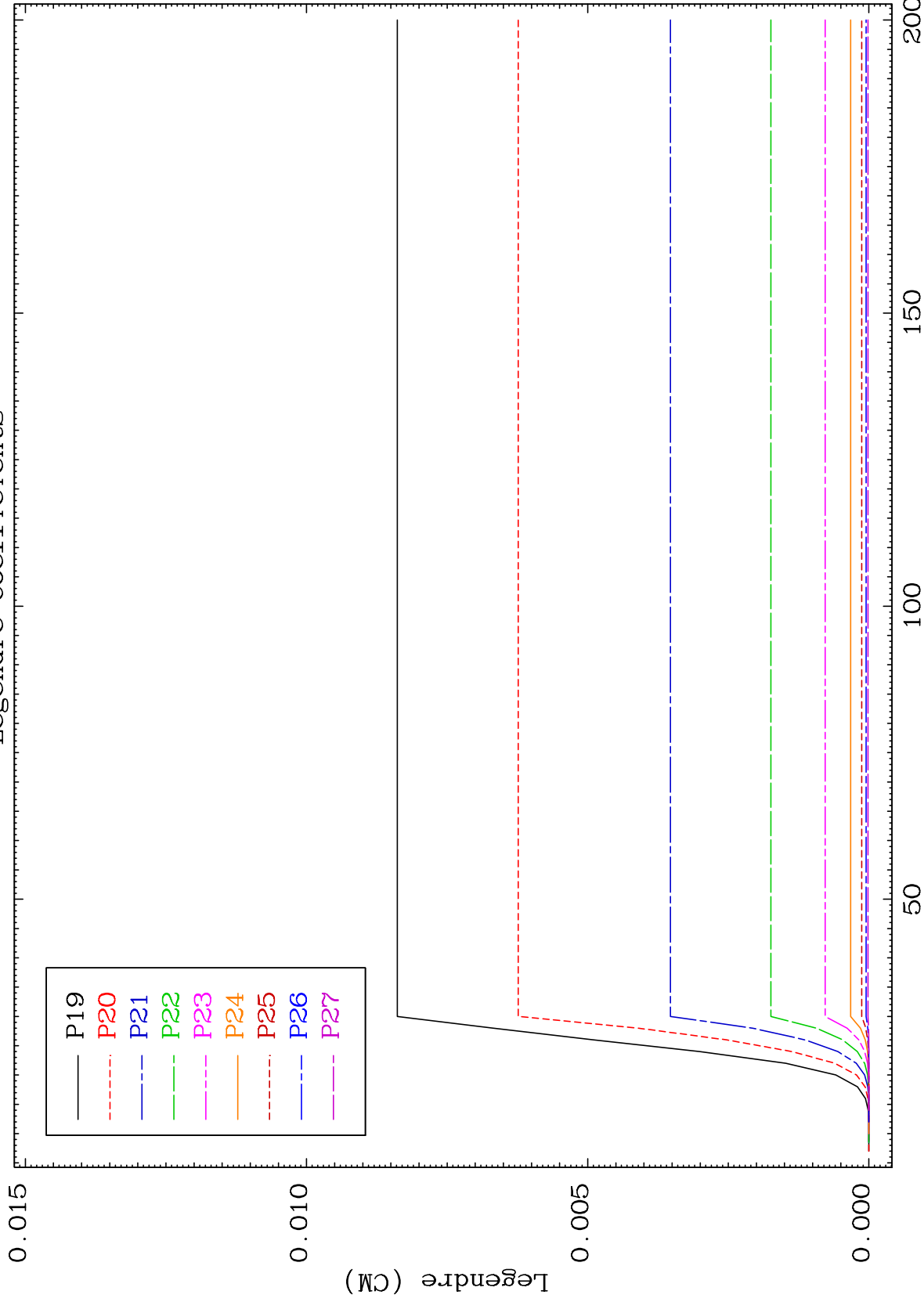


93

MAT 6131

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

61-Pm-141



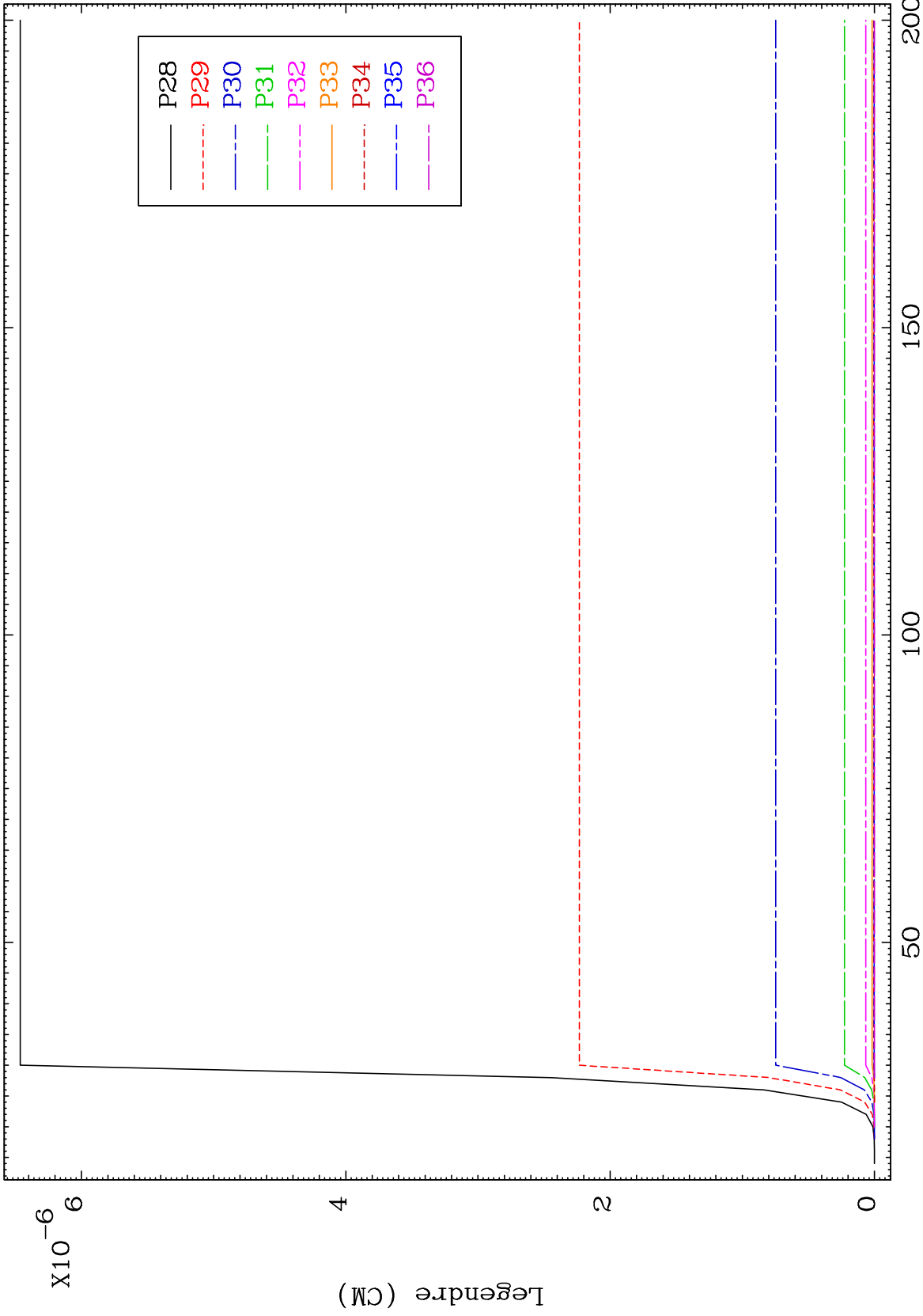
94

61-Pm-141

MAT 6131

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

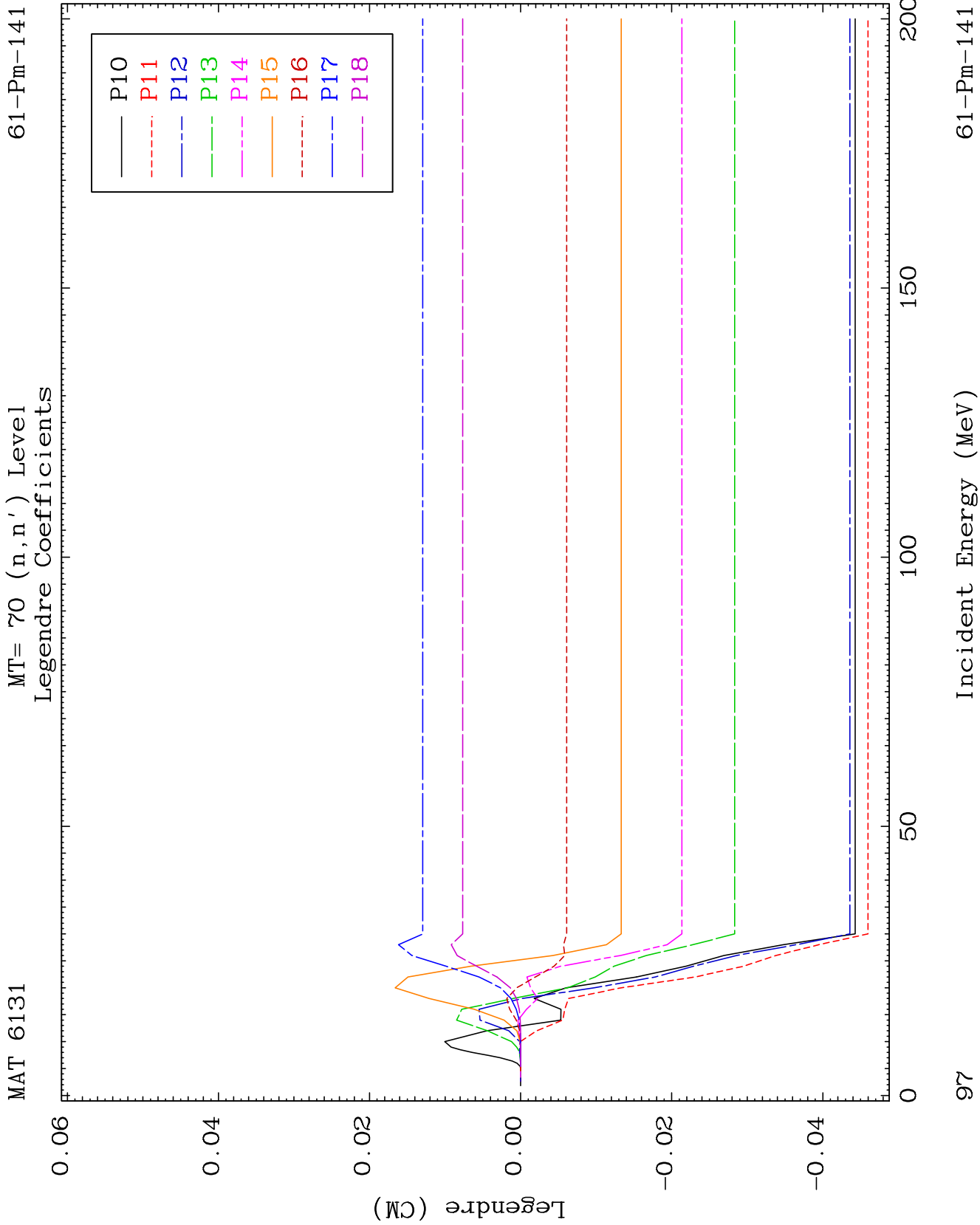
61-Pm-141



95

Incident Energy (MeV)

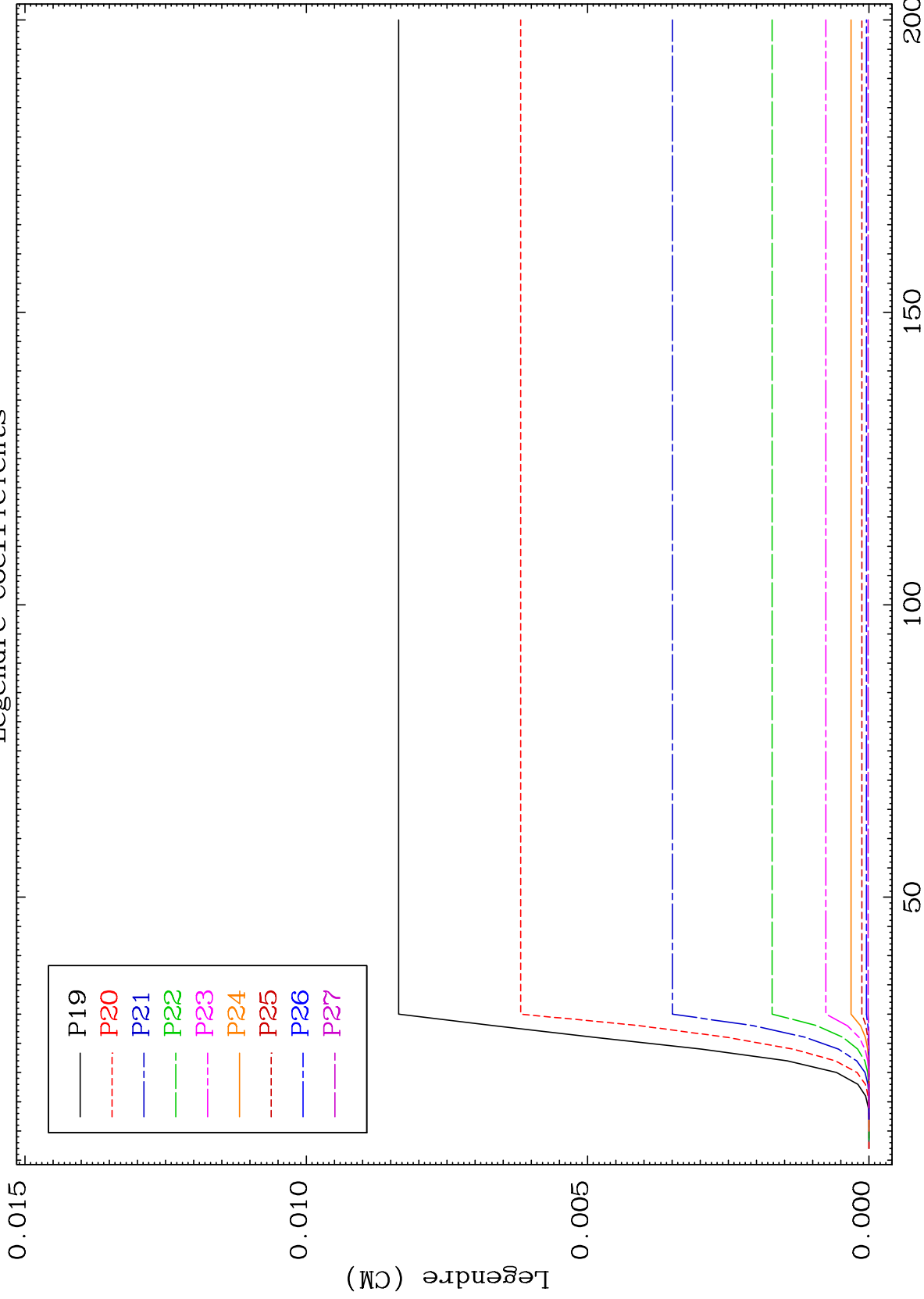
61-Pm-141



MAT 6131

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

61-Pm-141



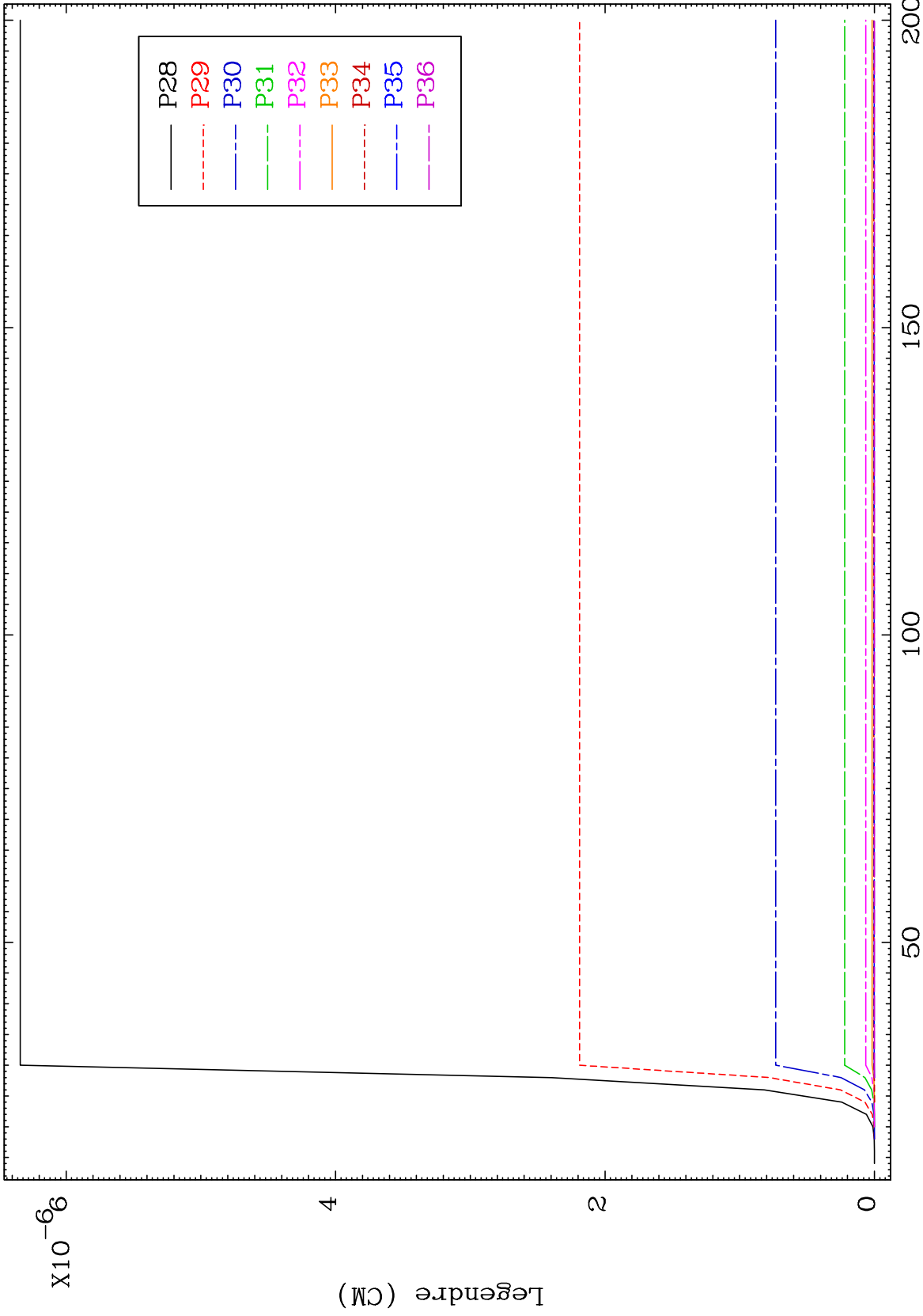
98

61-Pm-141

MAT 6131

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

61-Pm-141



99

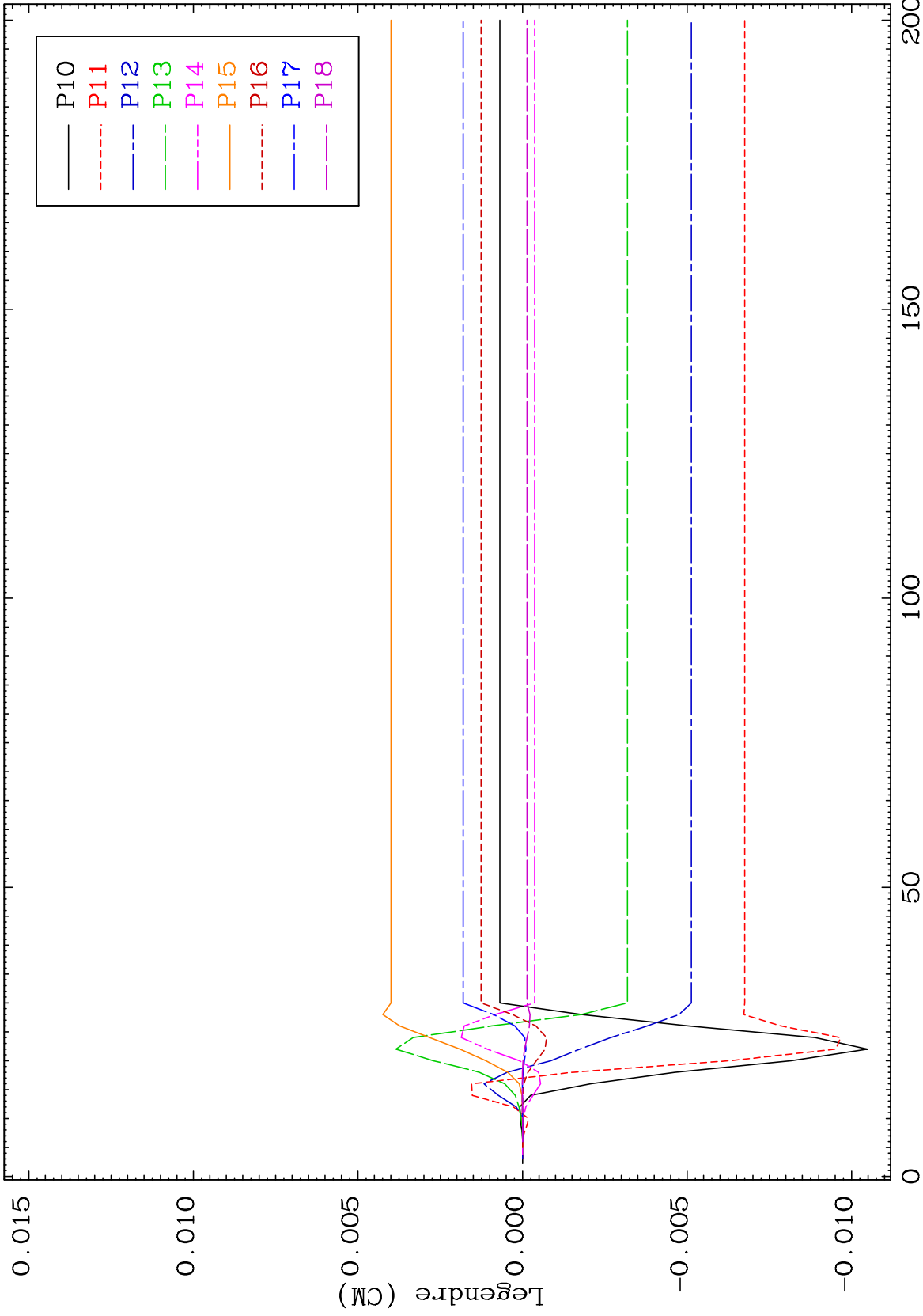
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



101

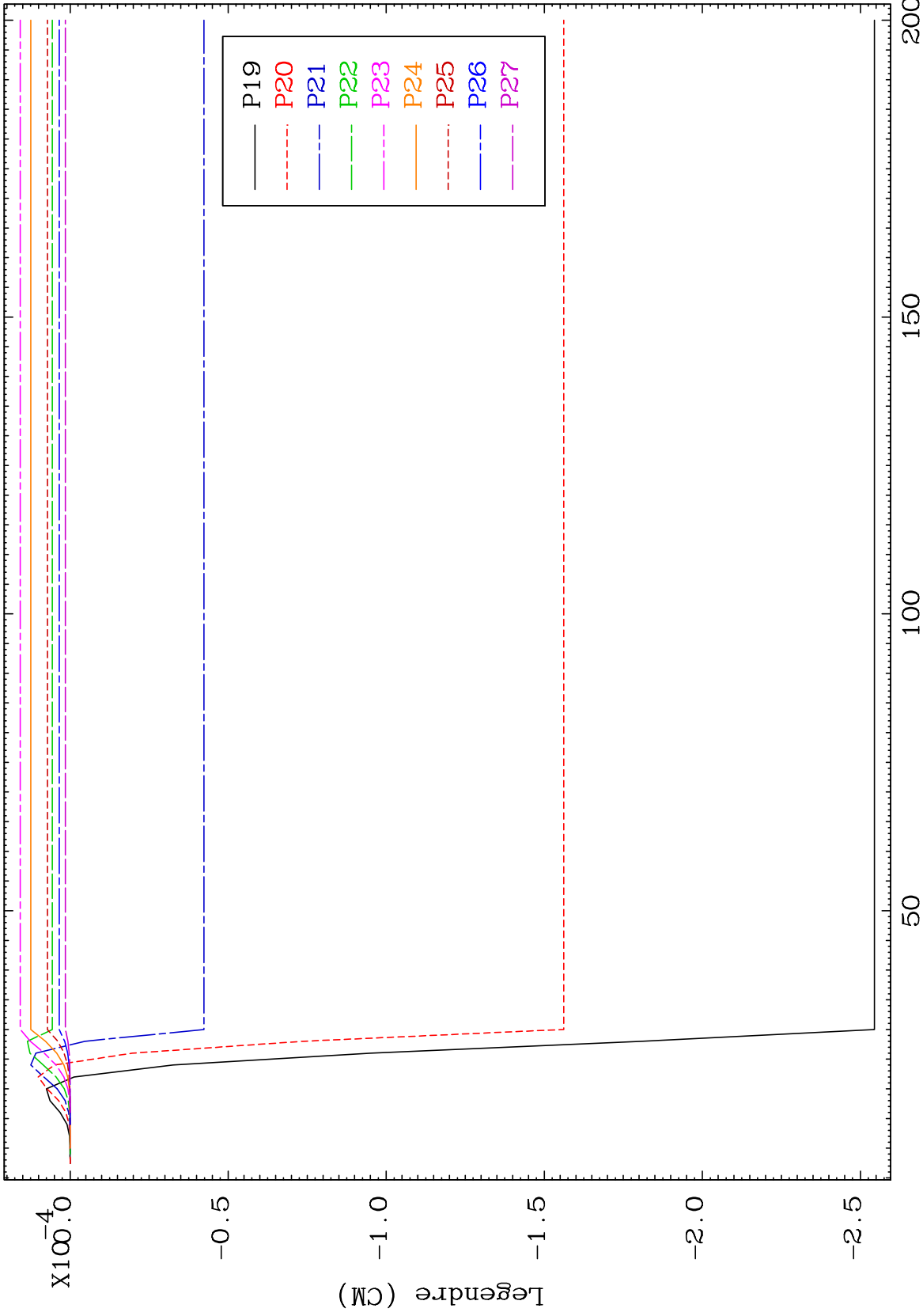
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



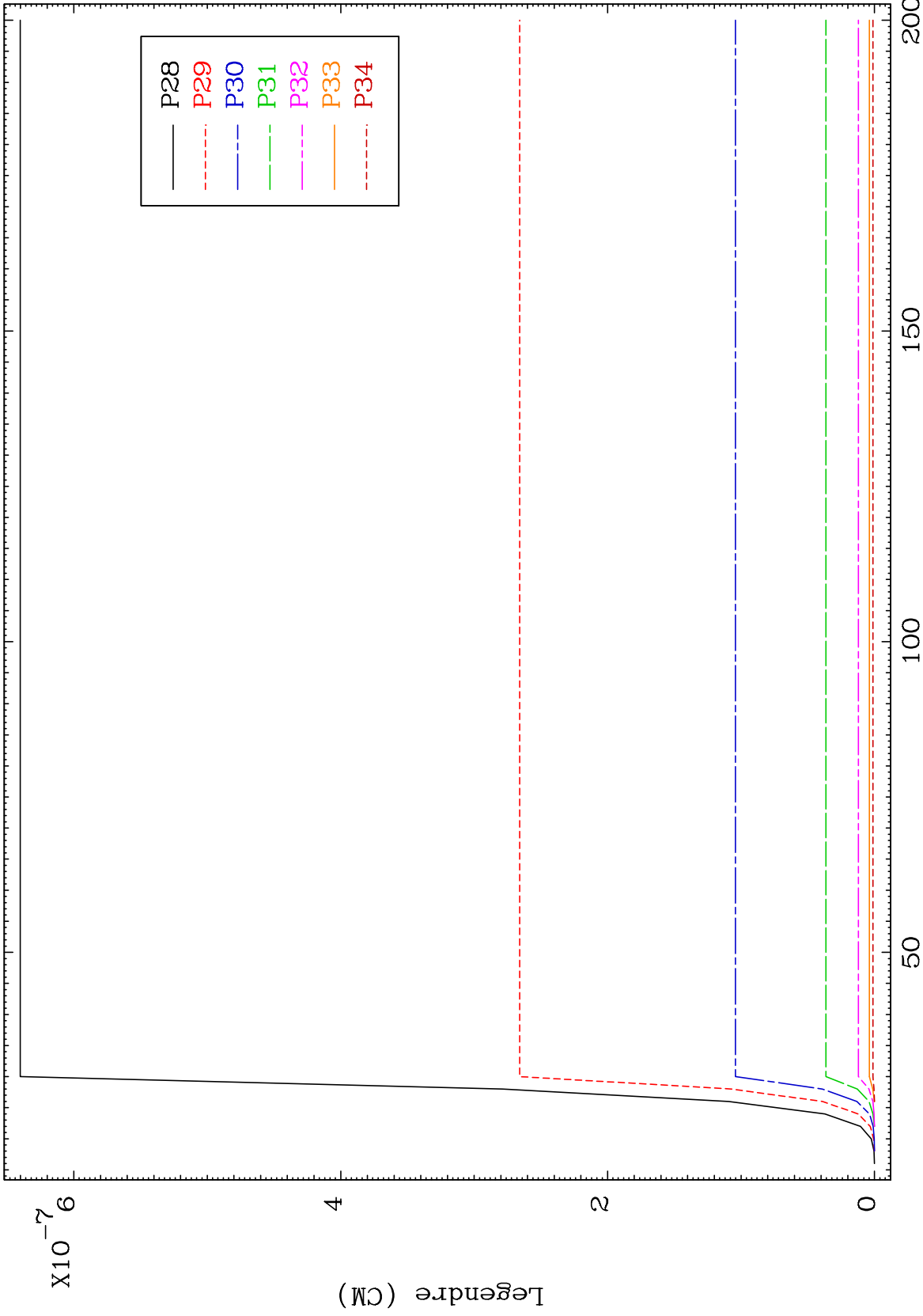
102

61-Pm-141

MAT 6131

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

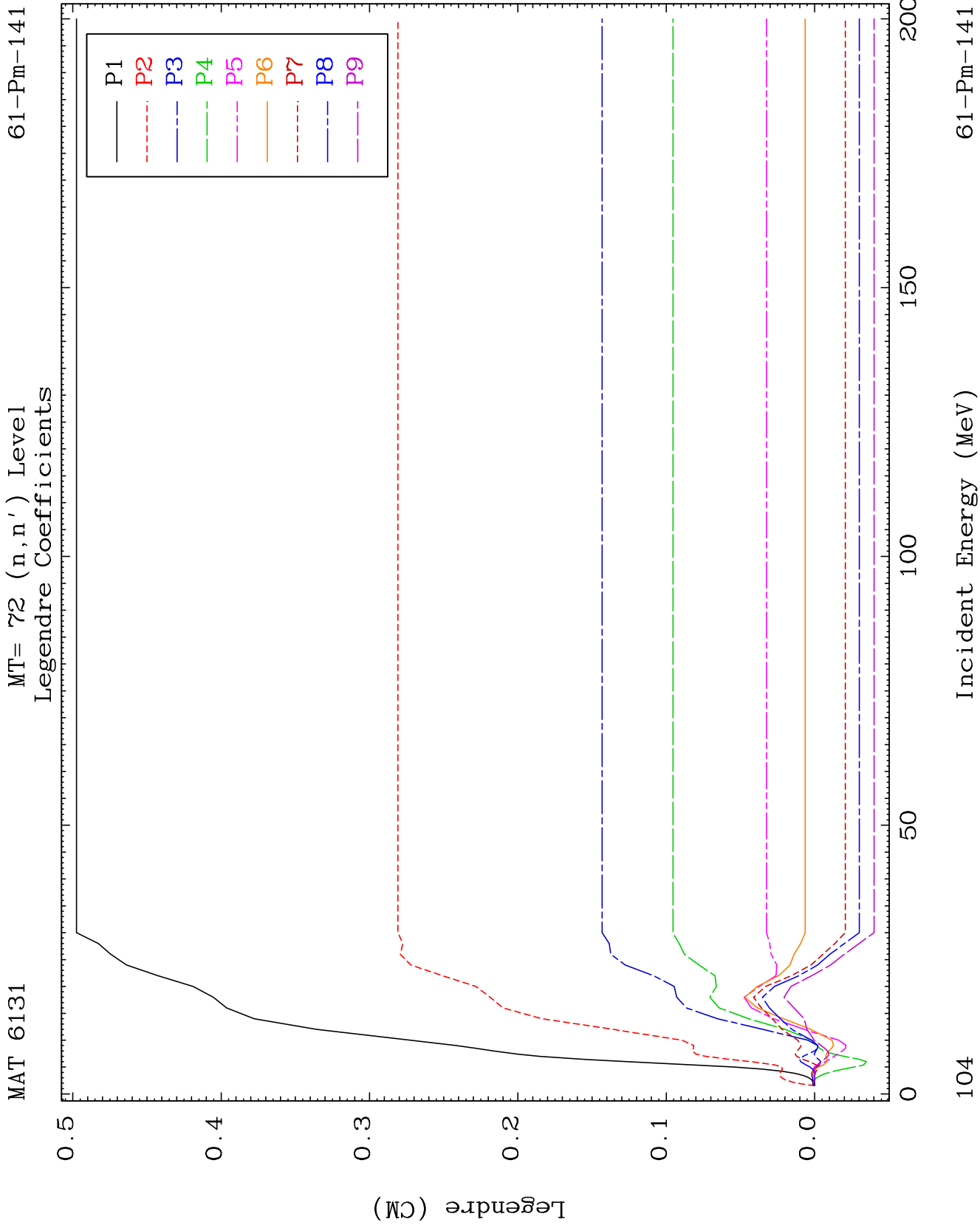
61-Pm-141

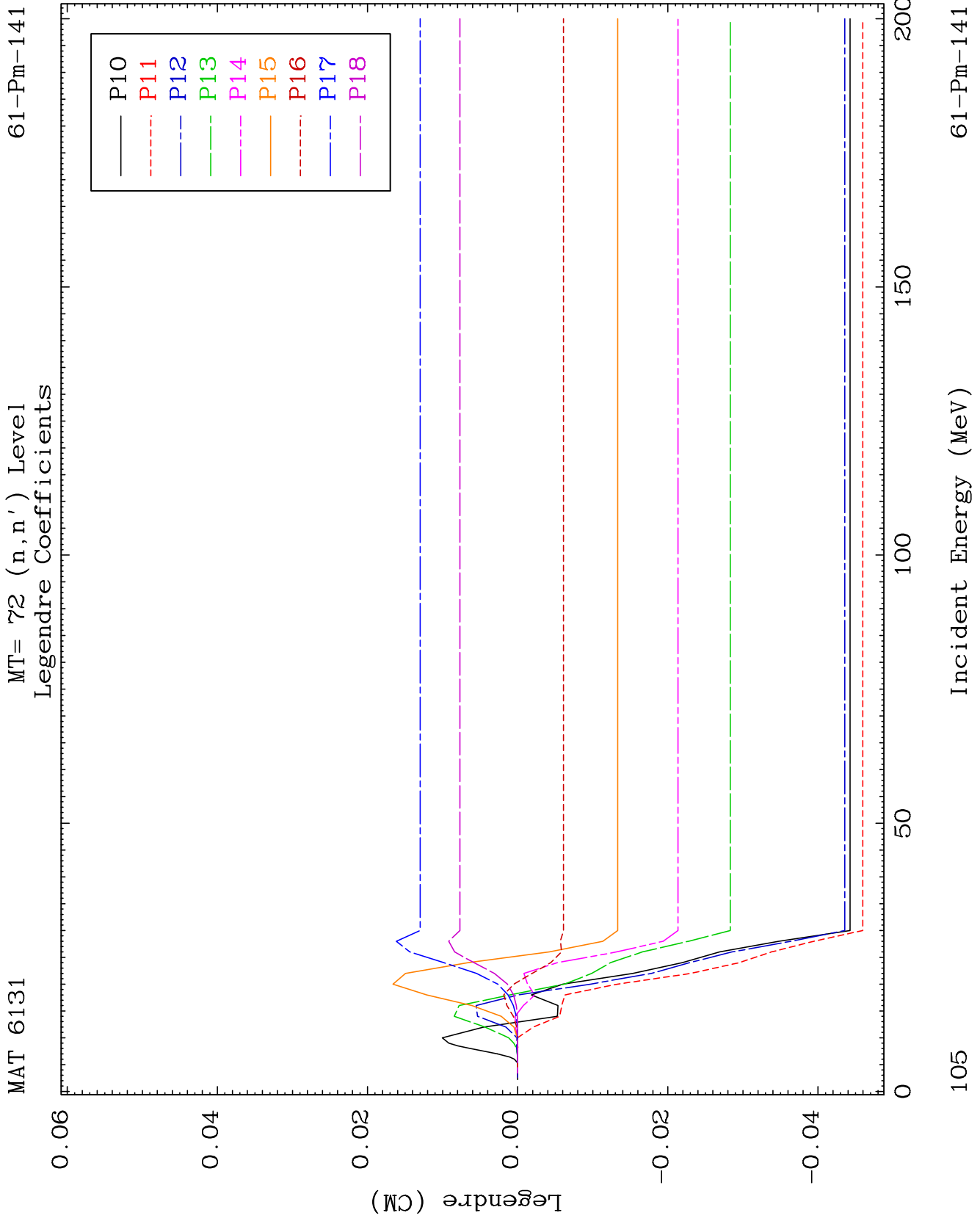


103

Incident Energy (MeV)

61-Pm-141

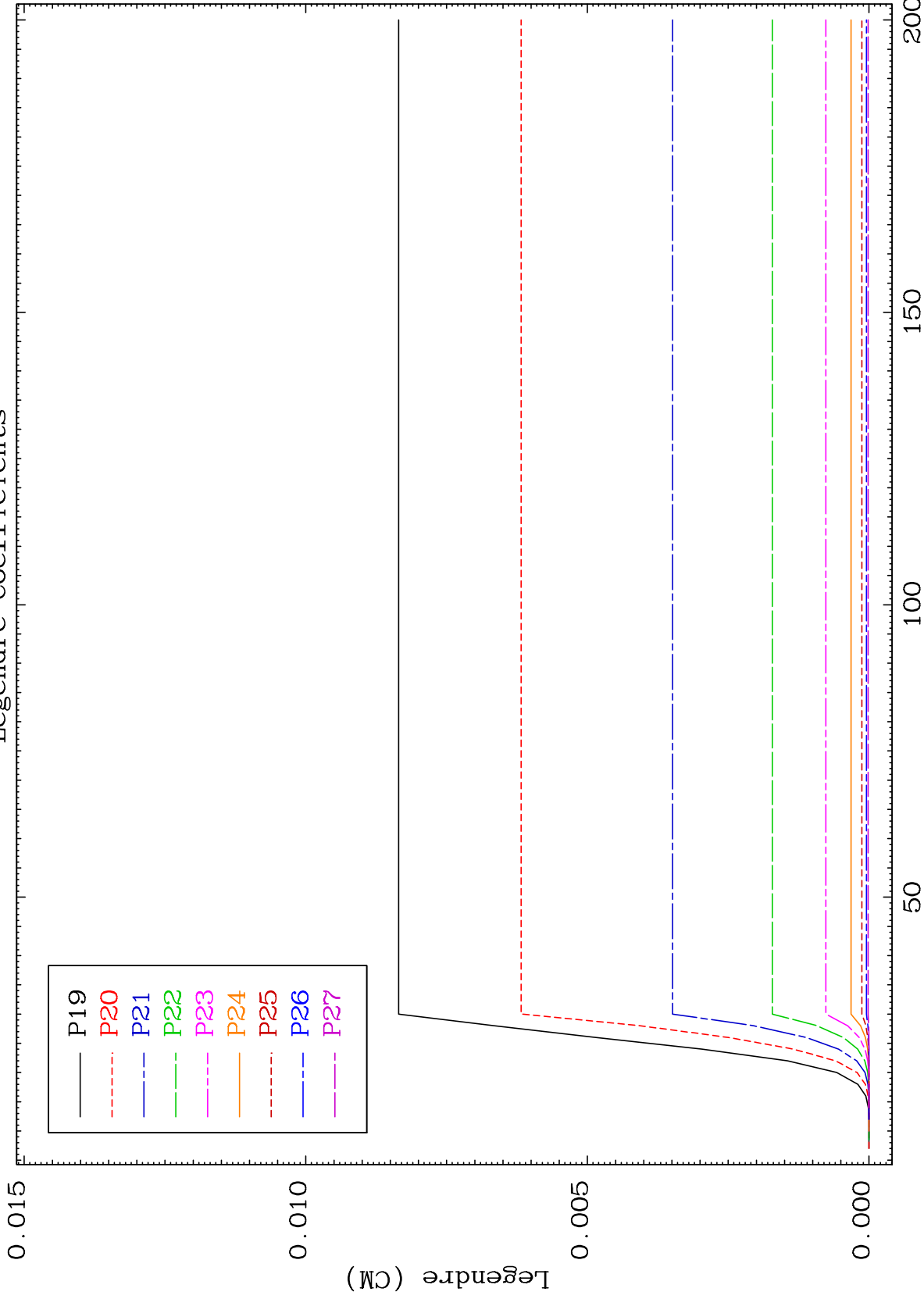




MAT 6131

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

61-Pm-141



106

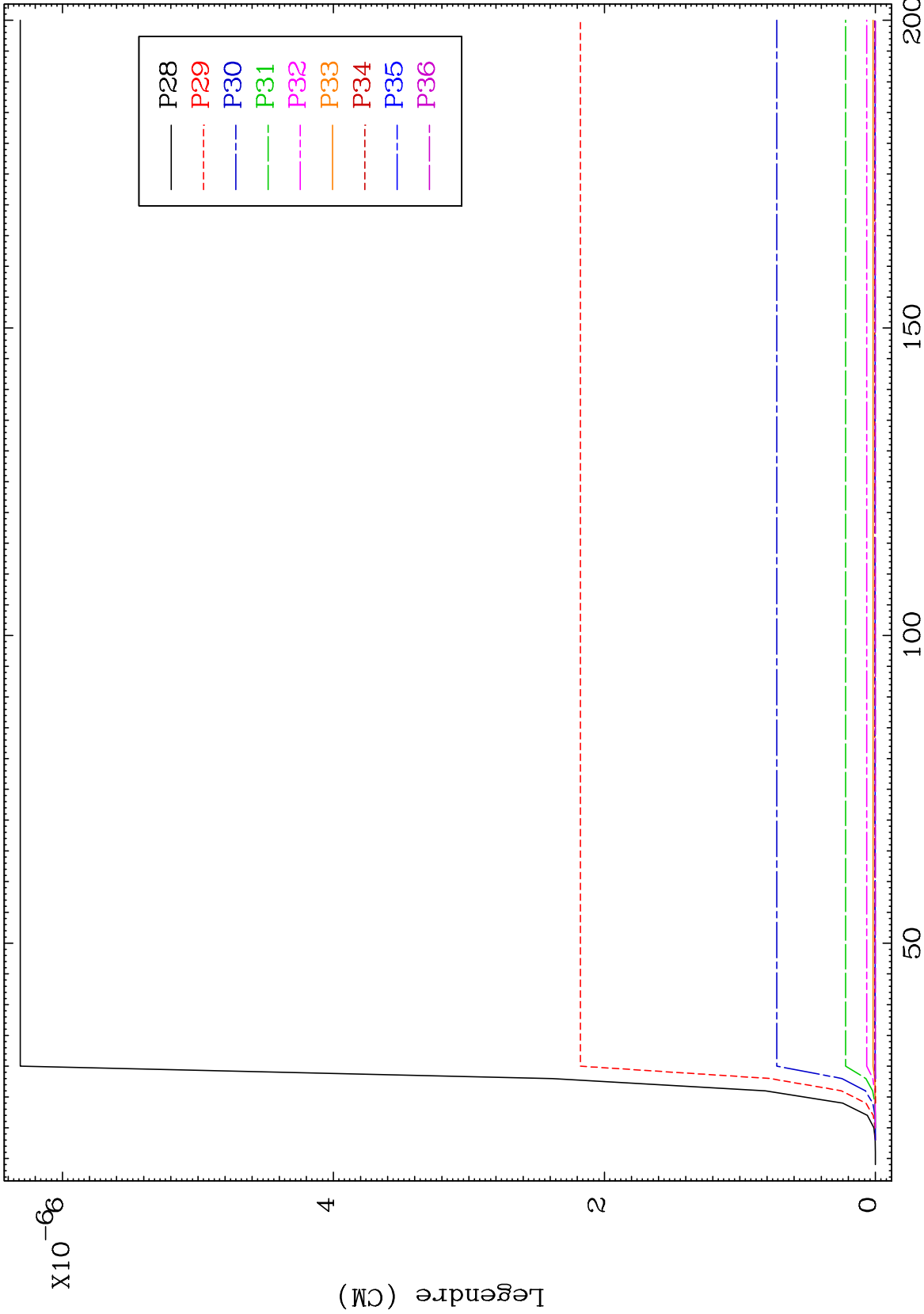
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141

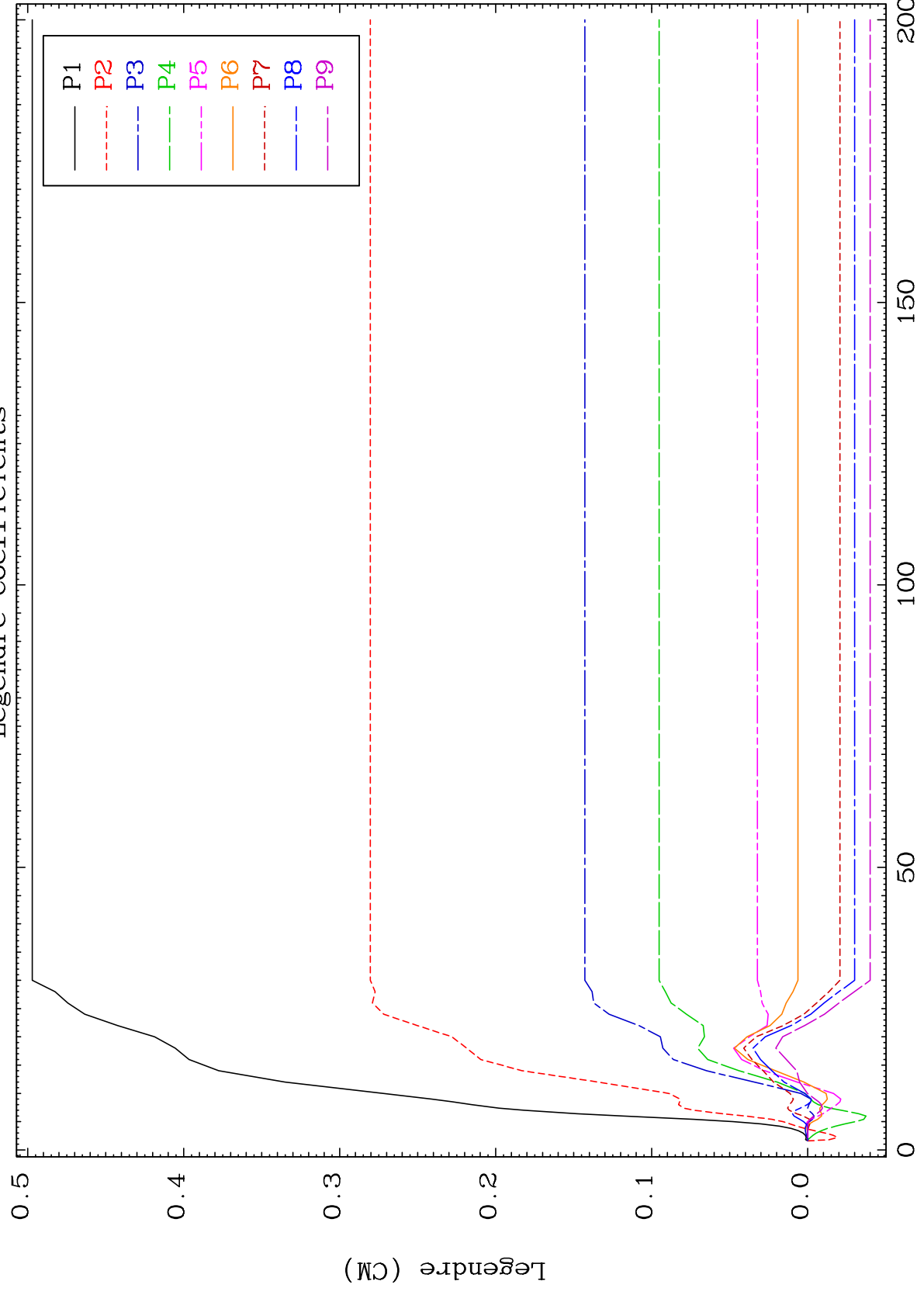


107

Incident Energy (MeV)

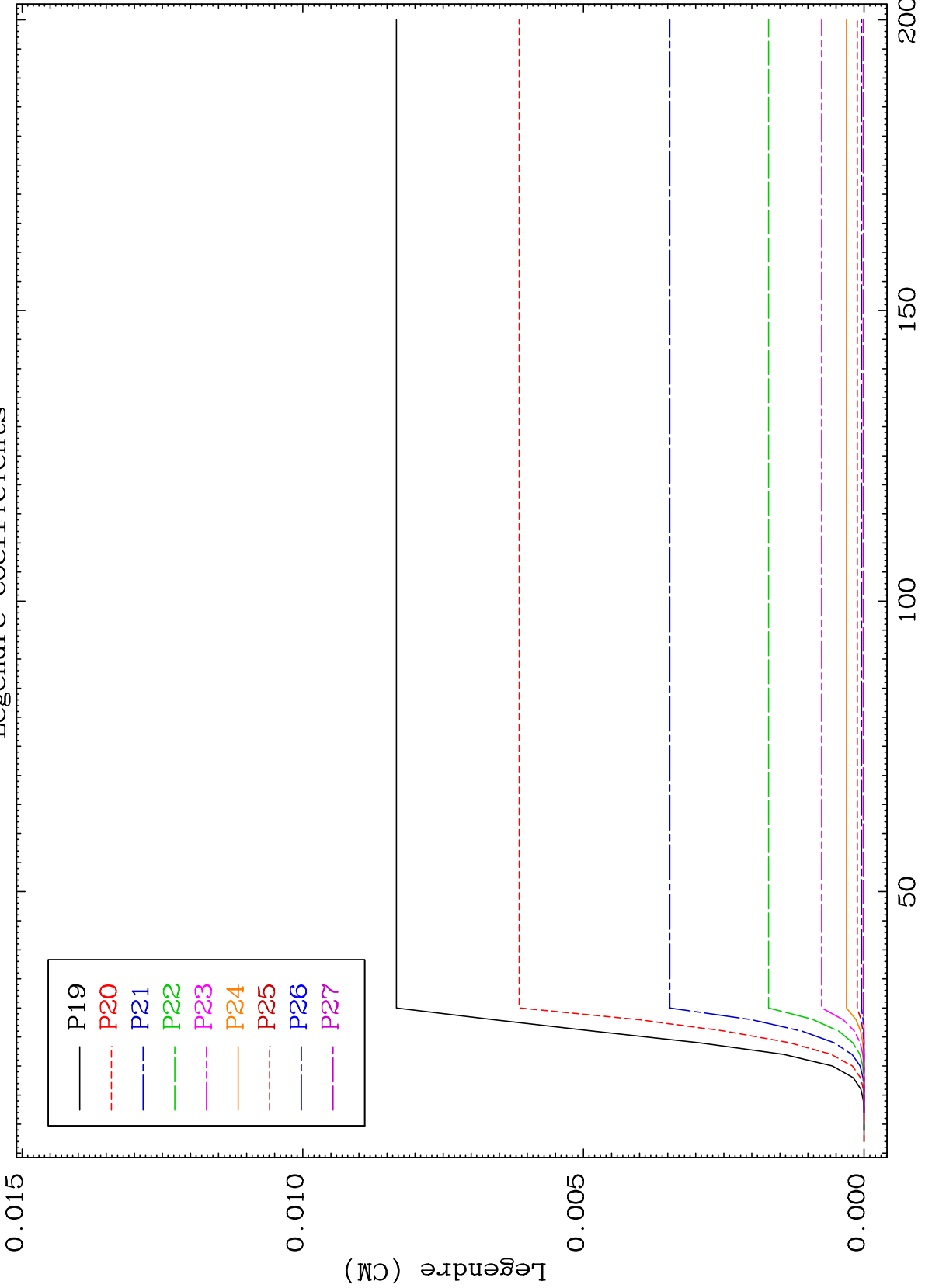
61-Pm-141

MAT 6131 MT= 73 (n,n') Level Legendre Coefficients 61-Pm-141



108 61-Pm-141

MAT 6131 MT= 73 (n,n') Level Legendre Coefficients 61-Pm-141



61-Pm-141

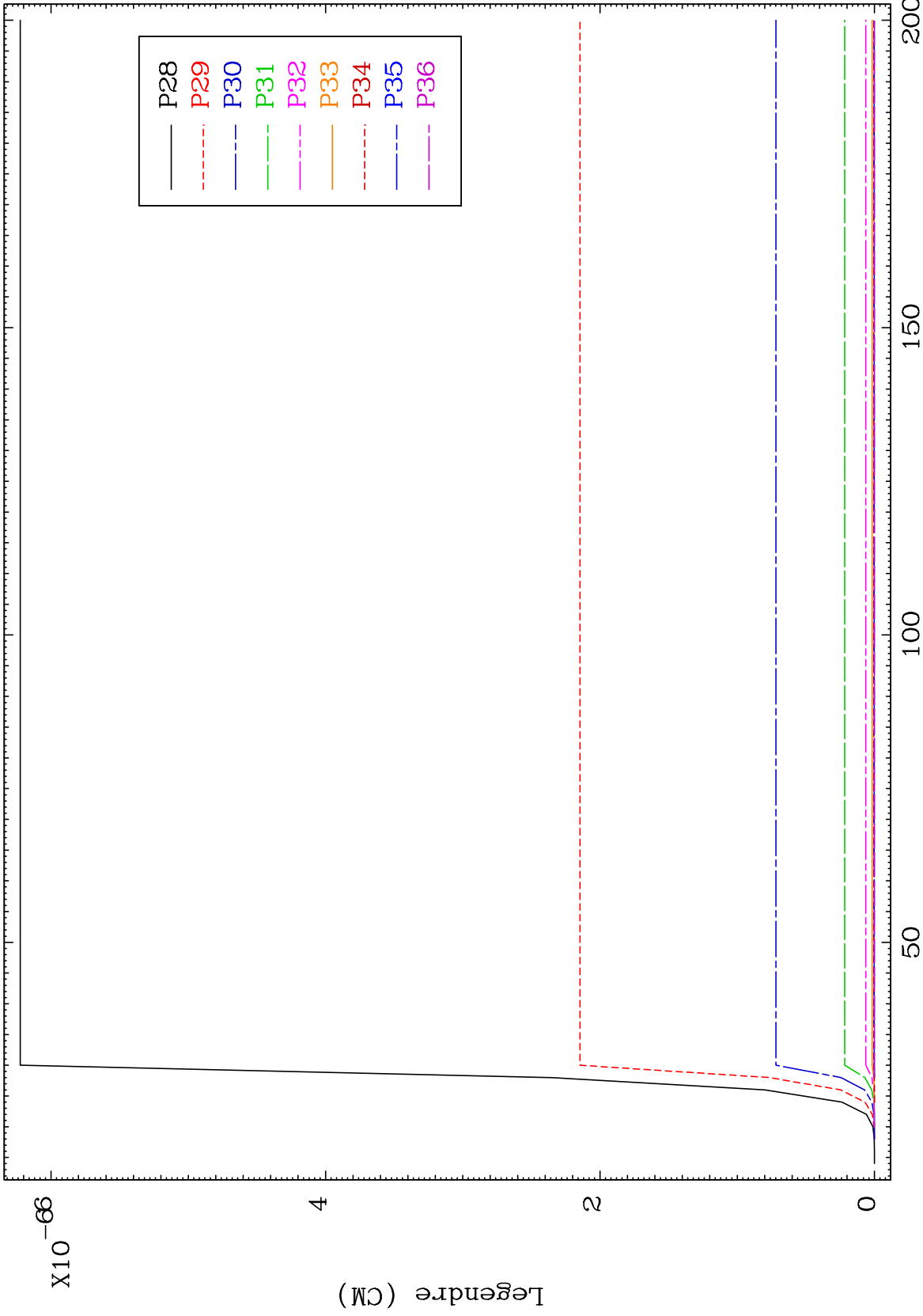
Incident Energy (MeV)

110

MAT 6131

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

61-Pm-141



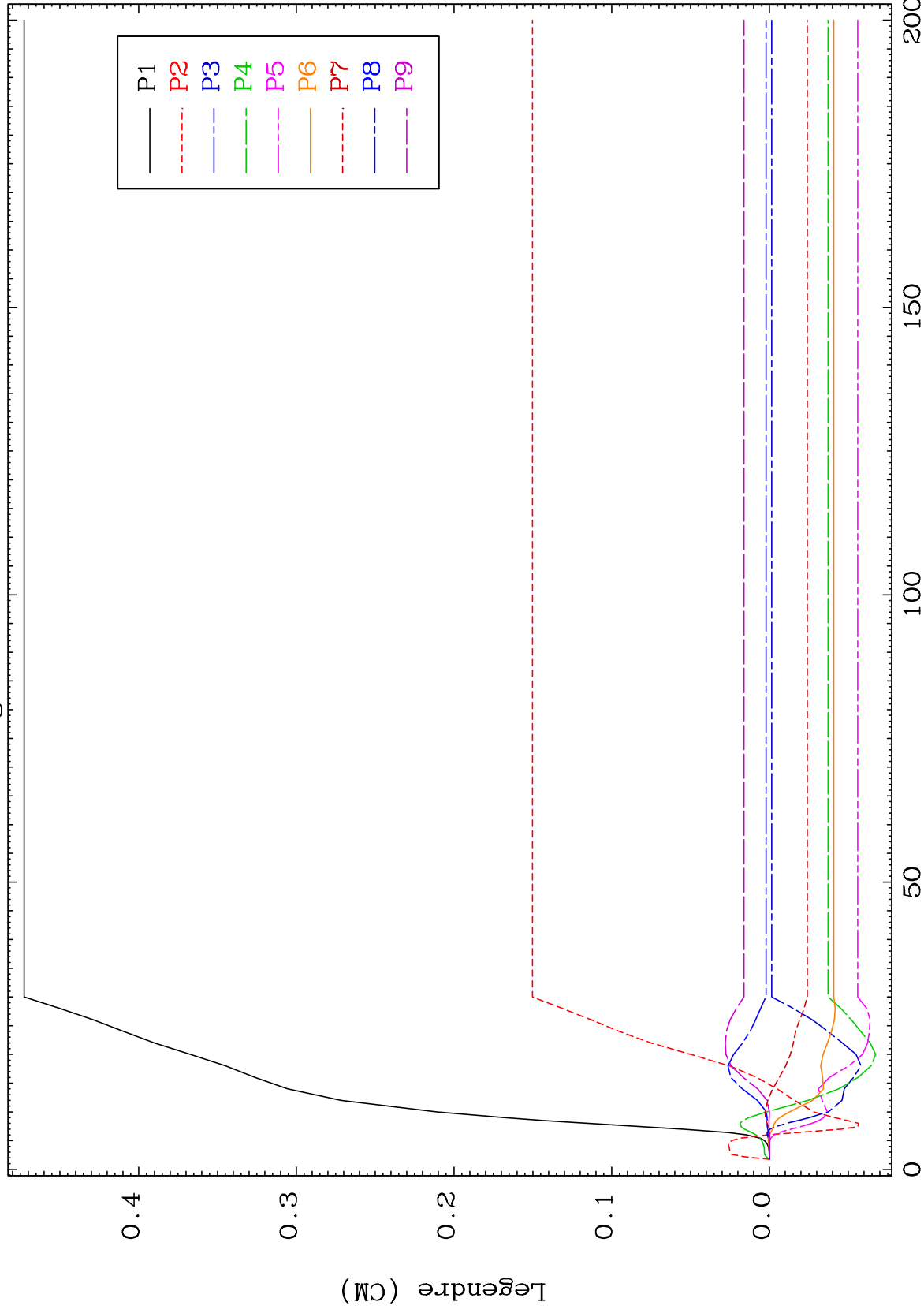
111

61-Pm-141

MAT 6131

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

61-Pm-141



112

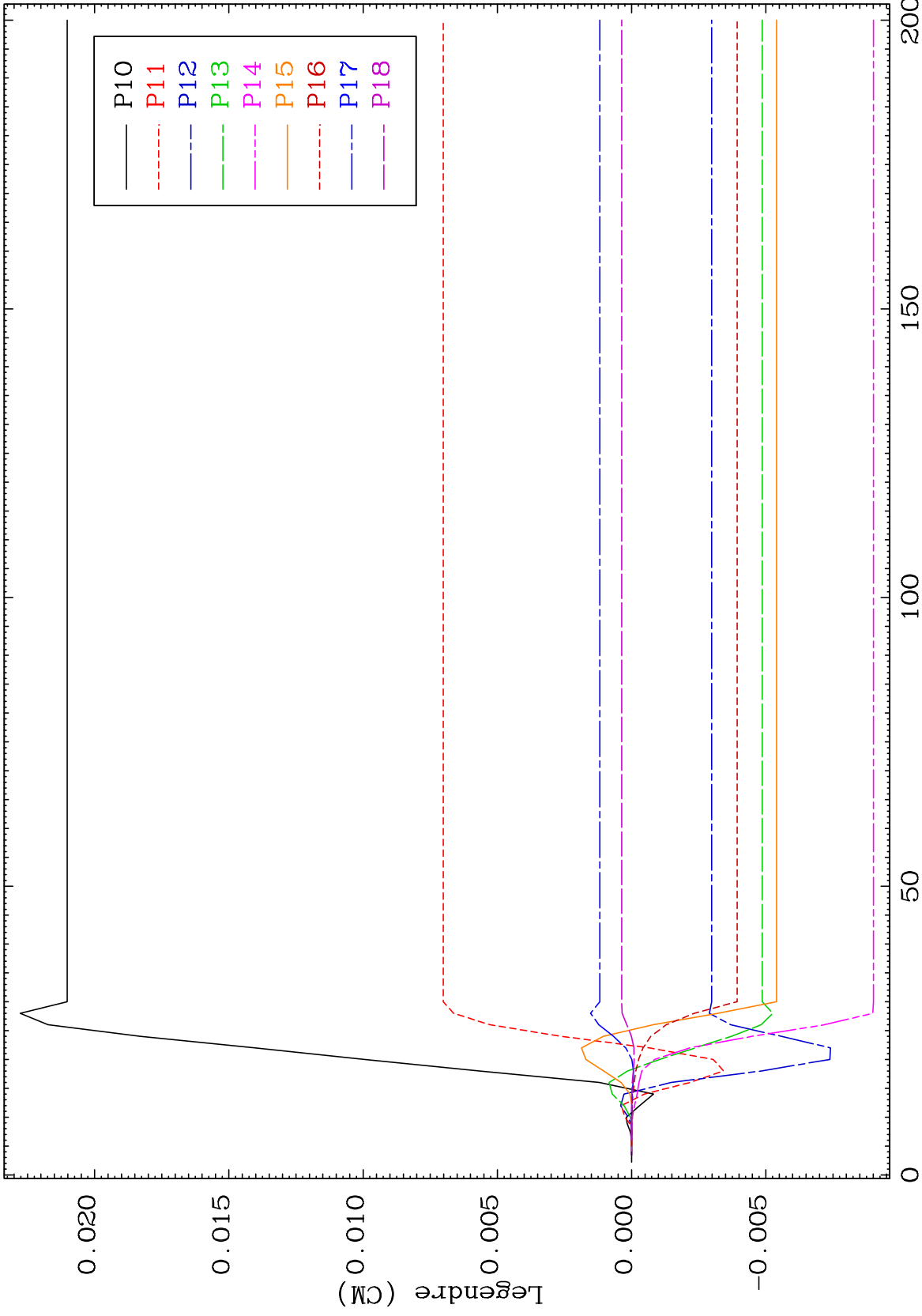
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



113

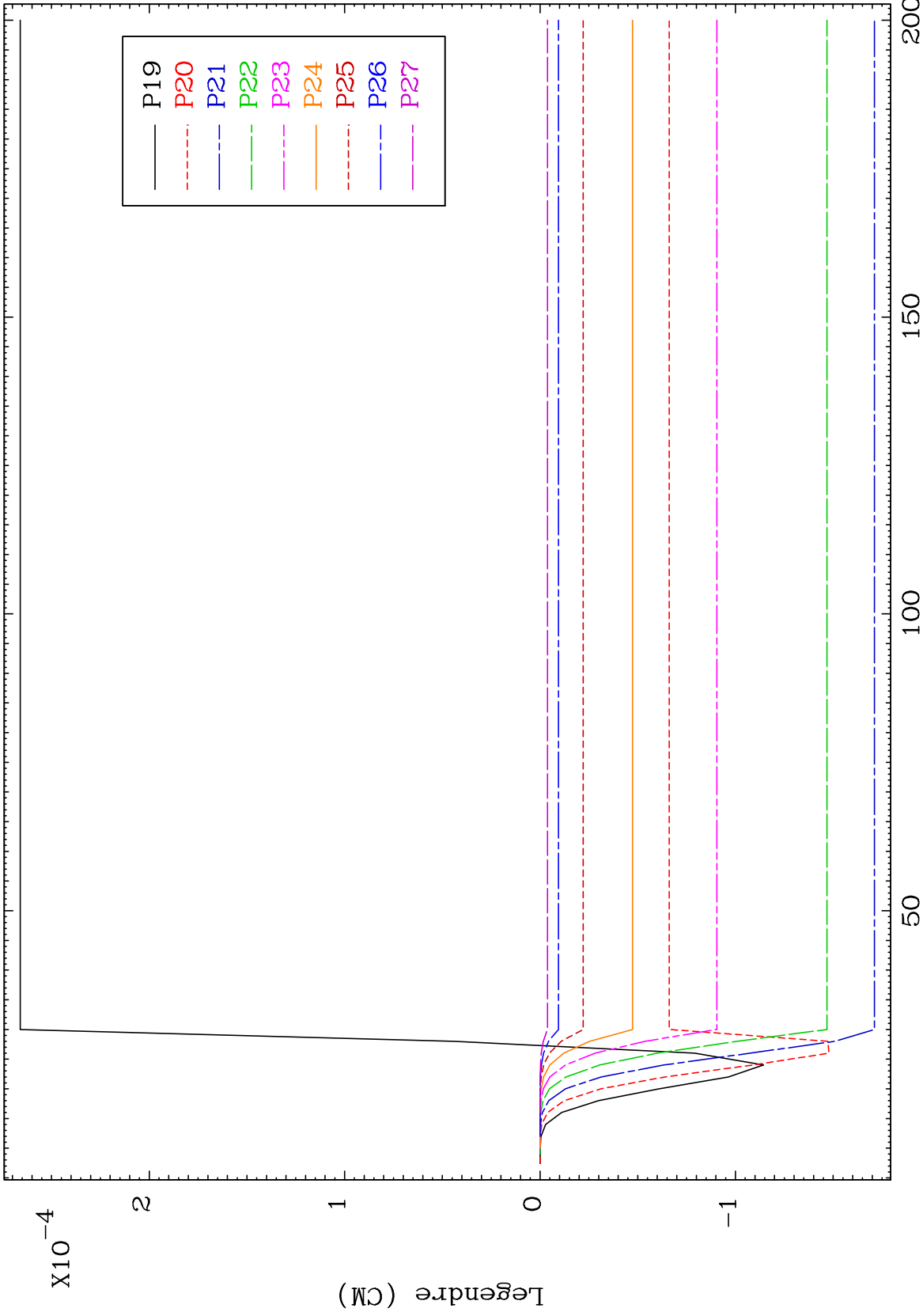
Incident Energy (MeV)

61-Pm-141

MAT 6131

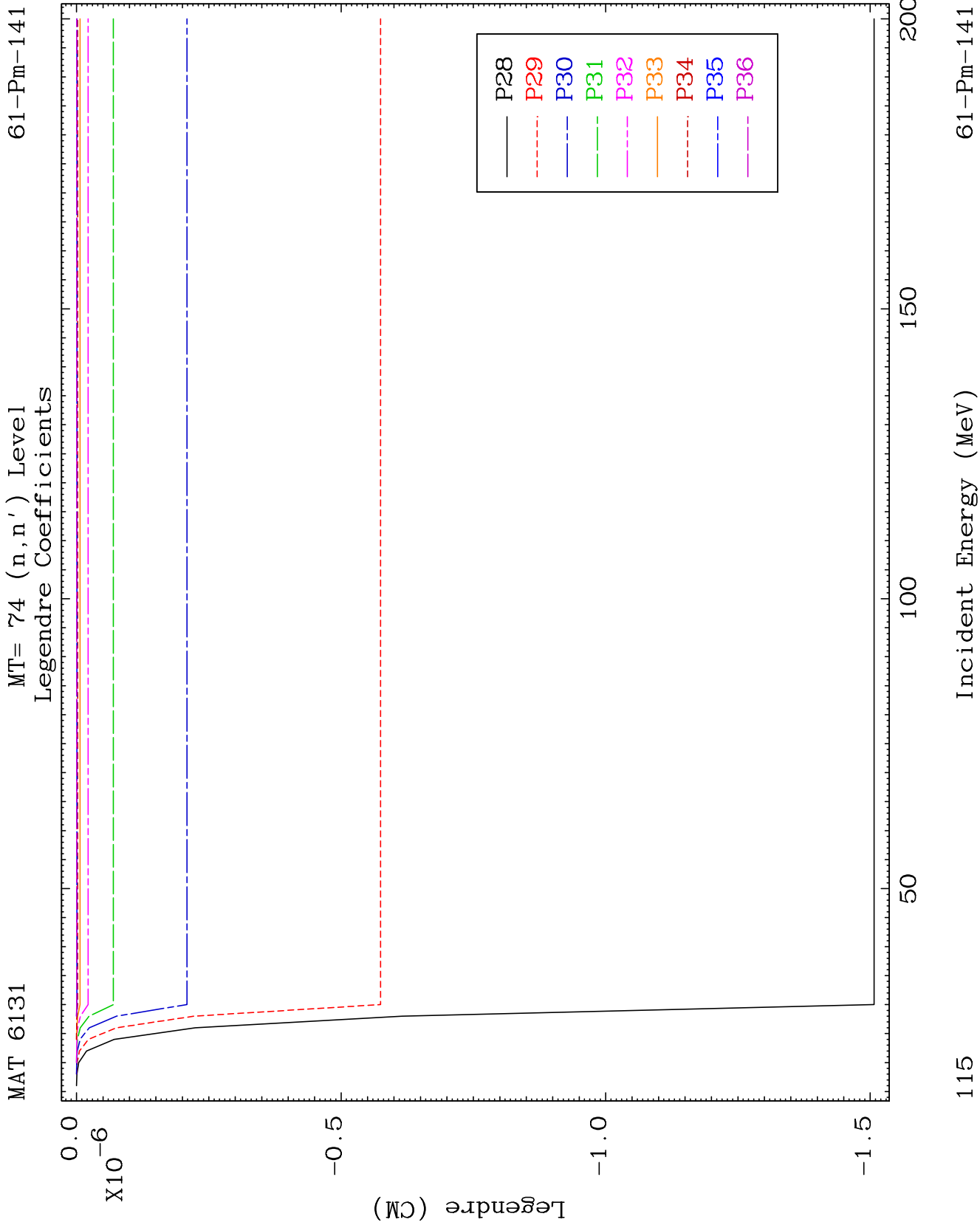
MT= 74 (n,n') Level
Legendre Coefficients

61-Pm-141

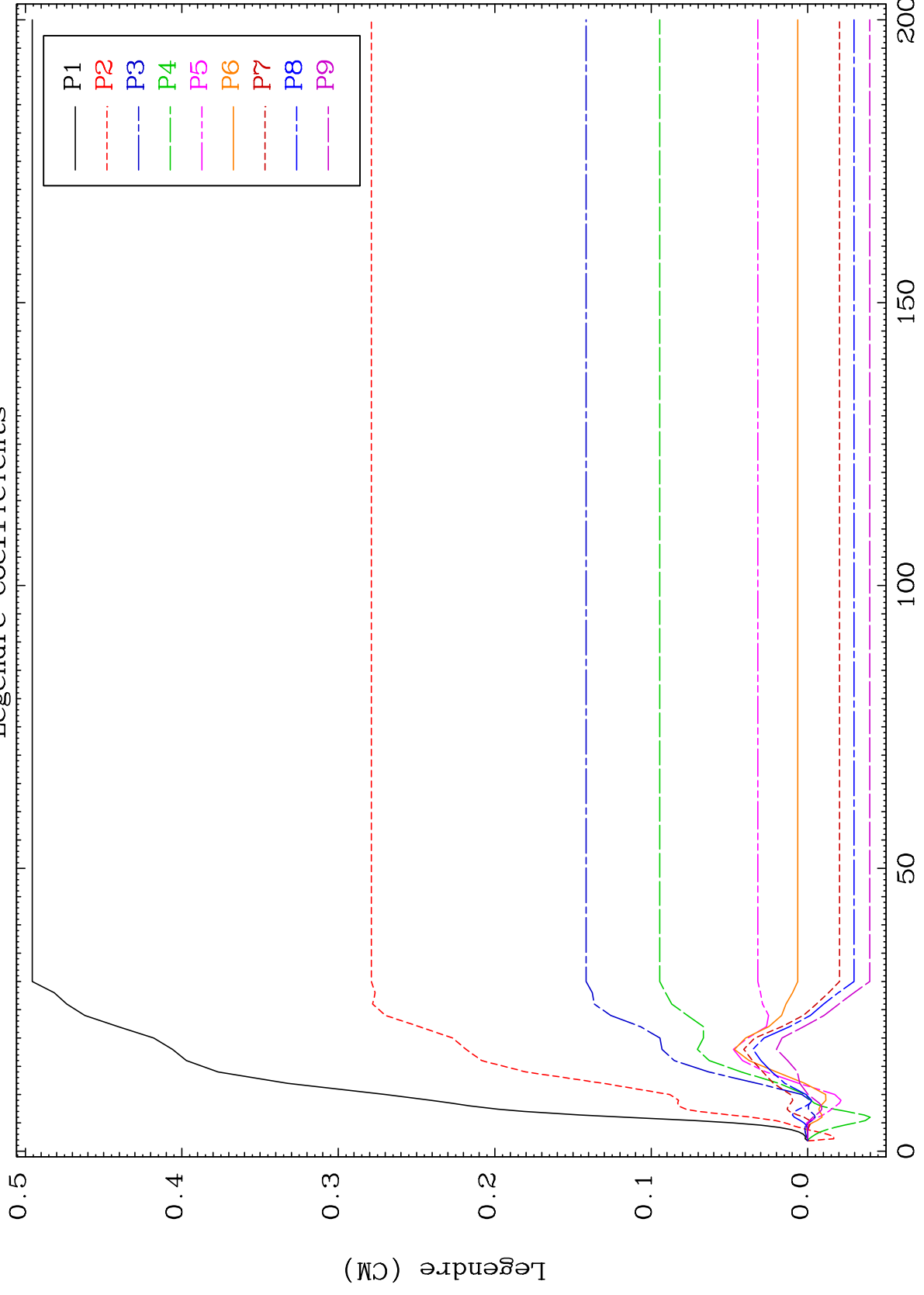


114

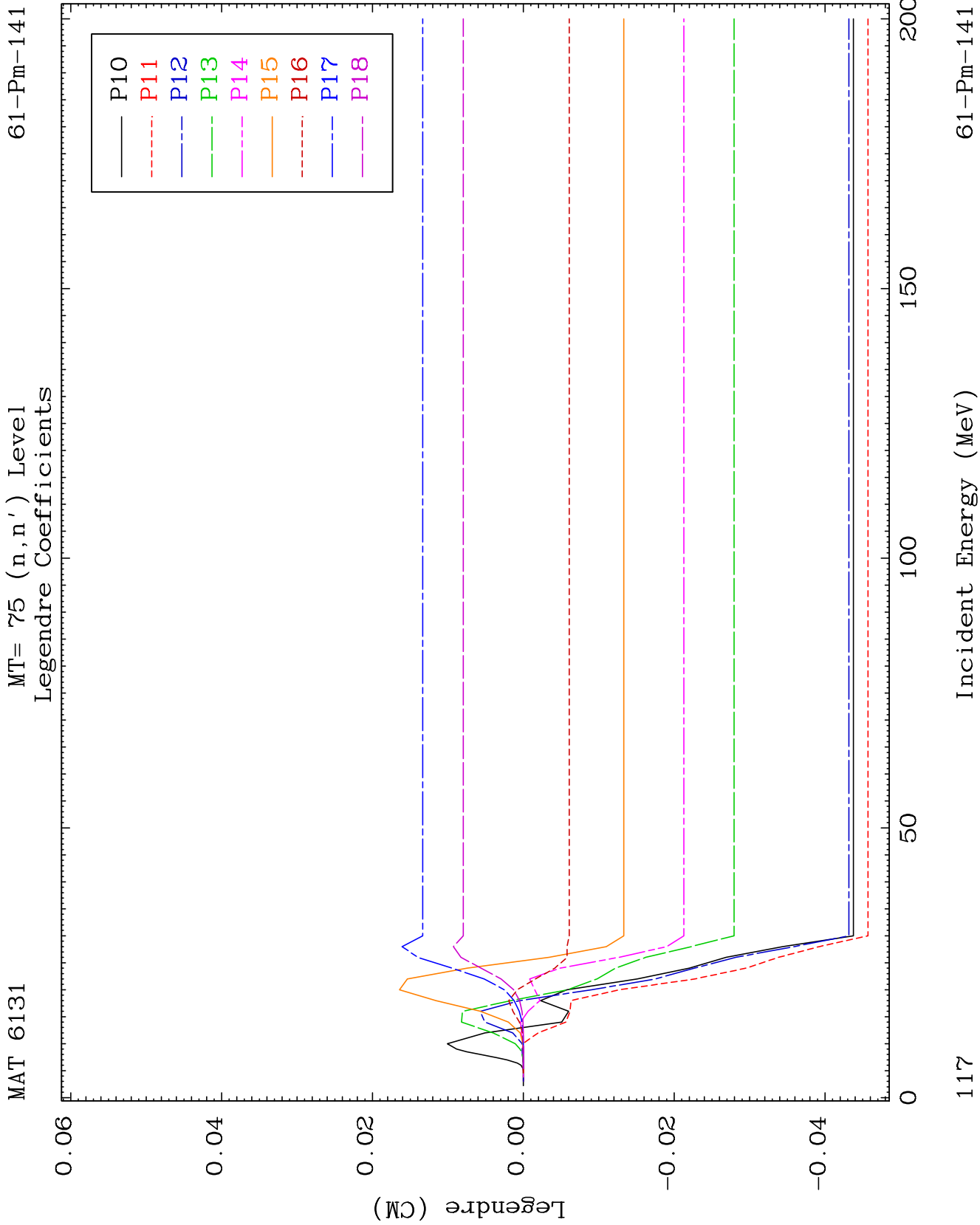
61-Pm-141



MAT 6131 MT= 75 (n,n') Level Legendre Coefficients 61-Pm-141



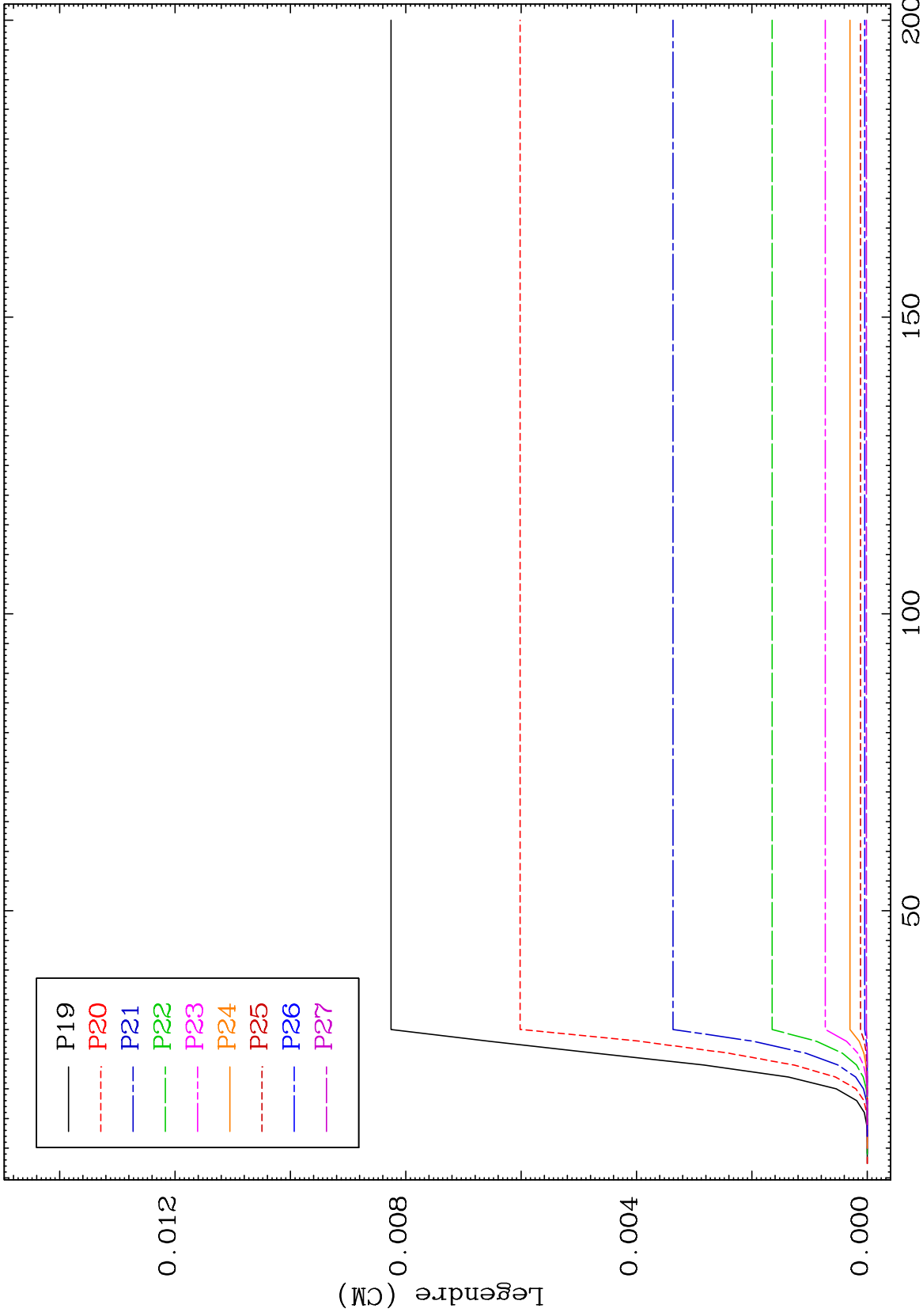
116 61-Pm-141



MAT 6131

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

61-Pm-141

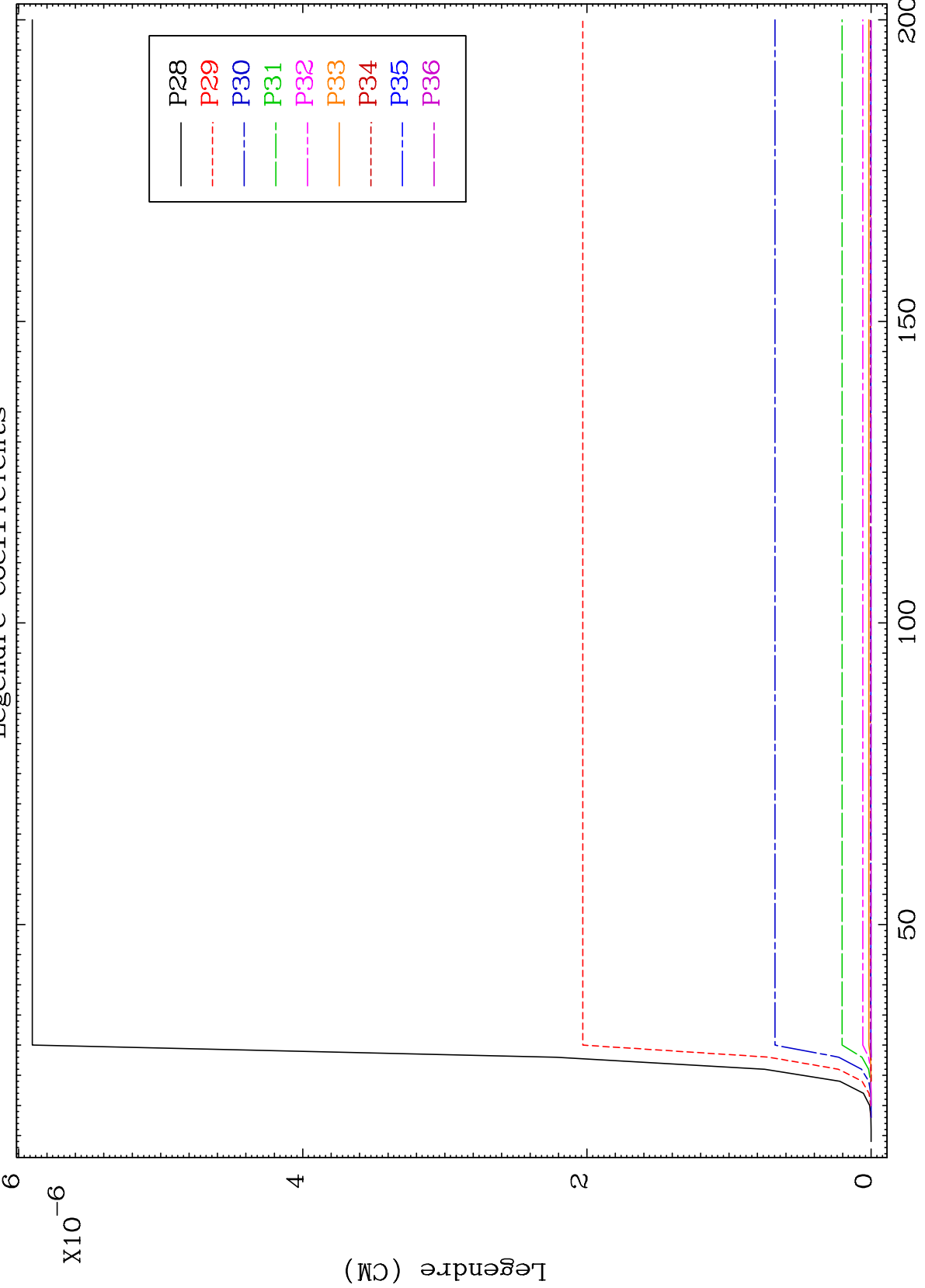


118

Incident Energy (MeV)

61-Pm-141

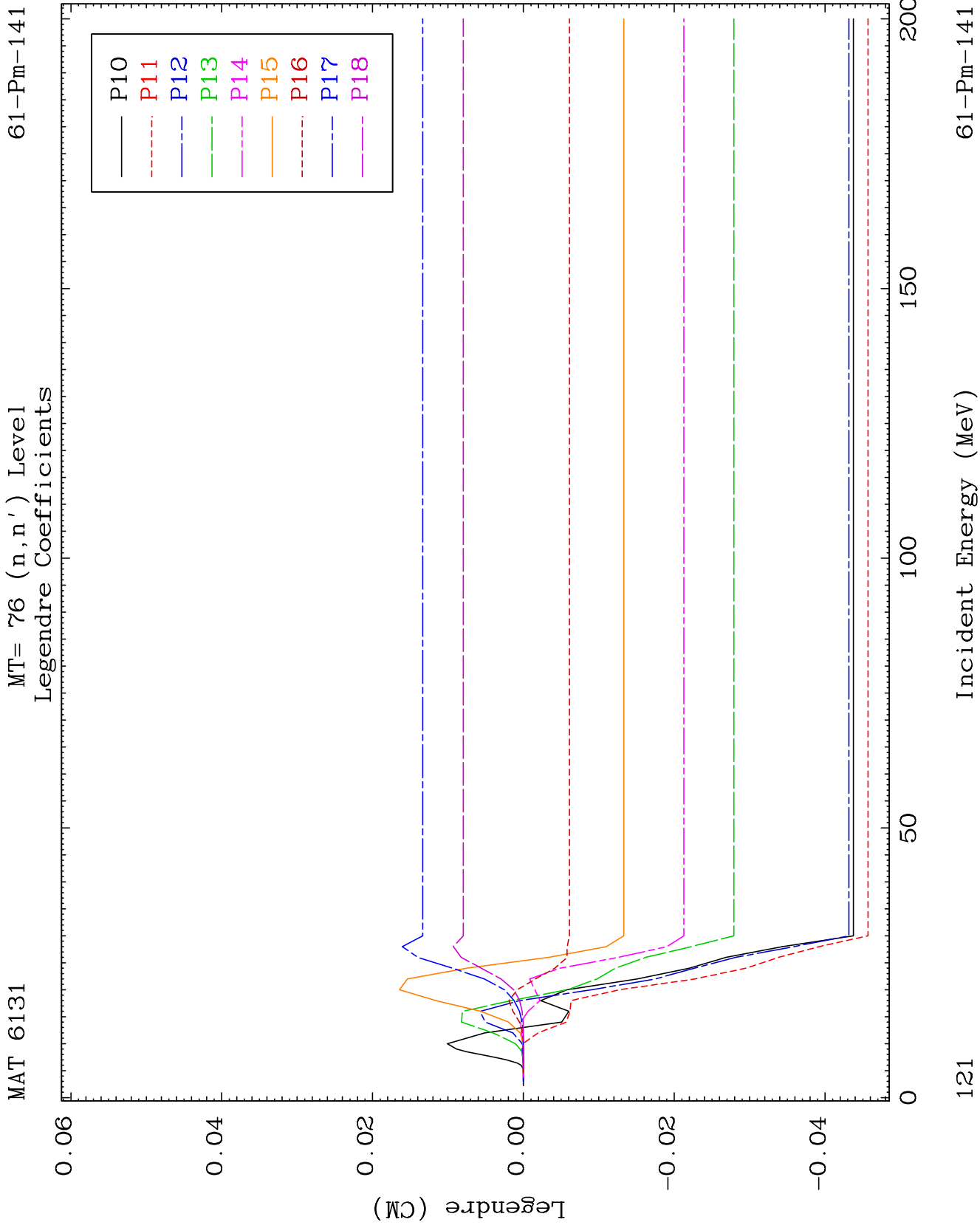
MAT 6131 MT= 75 (n,n') Level Legendre Coefficients 61-Pm-141



61-Pm-141

Incident Energy (MeV)

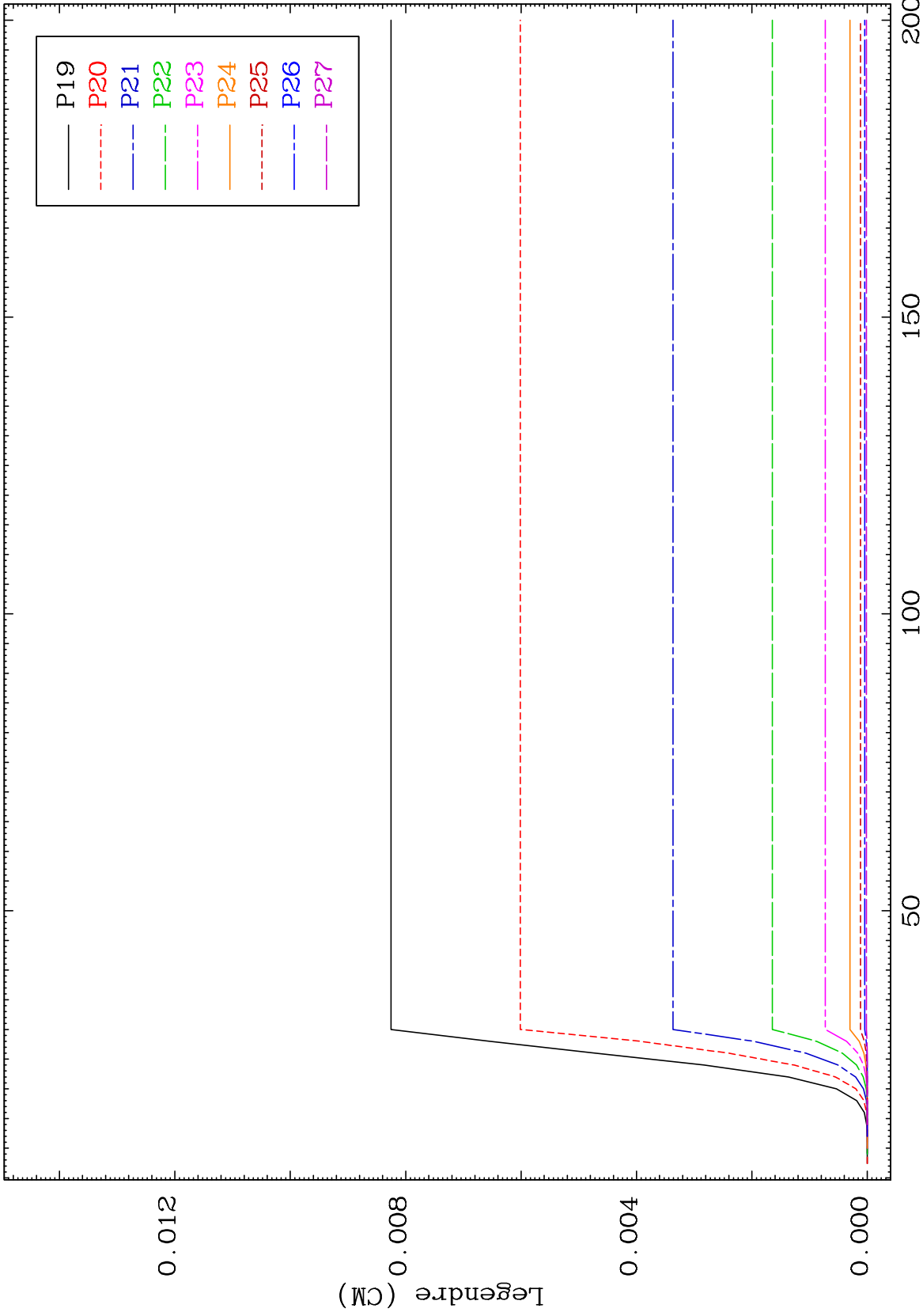
119



MAT 6131

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

61-Pm-141



122

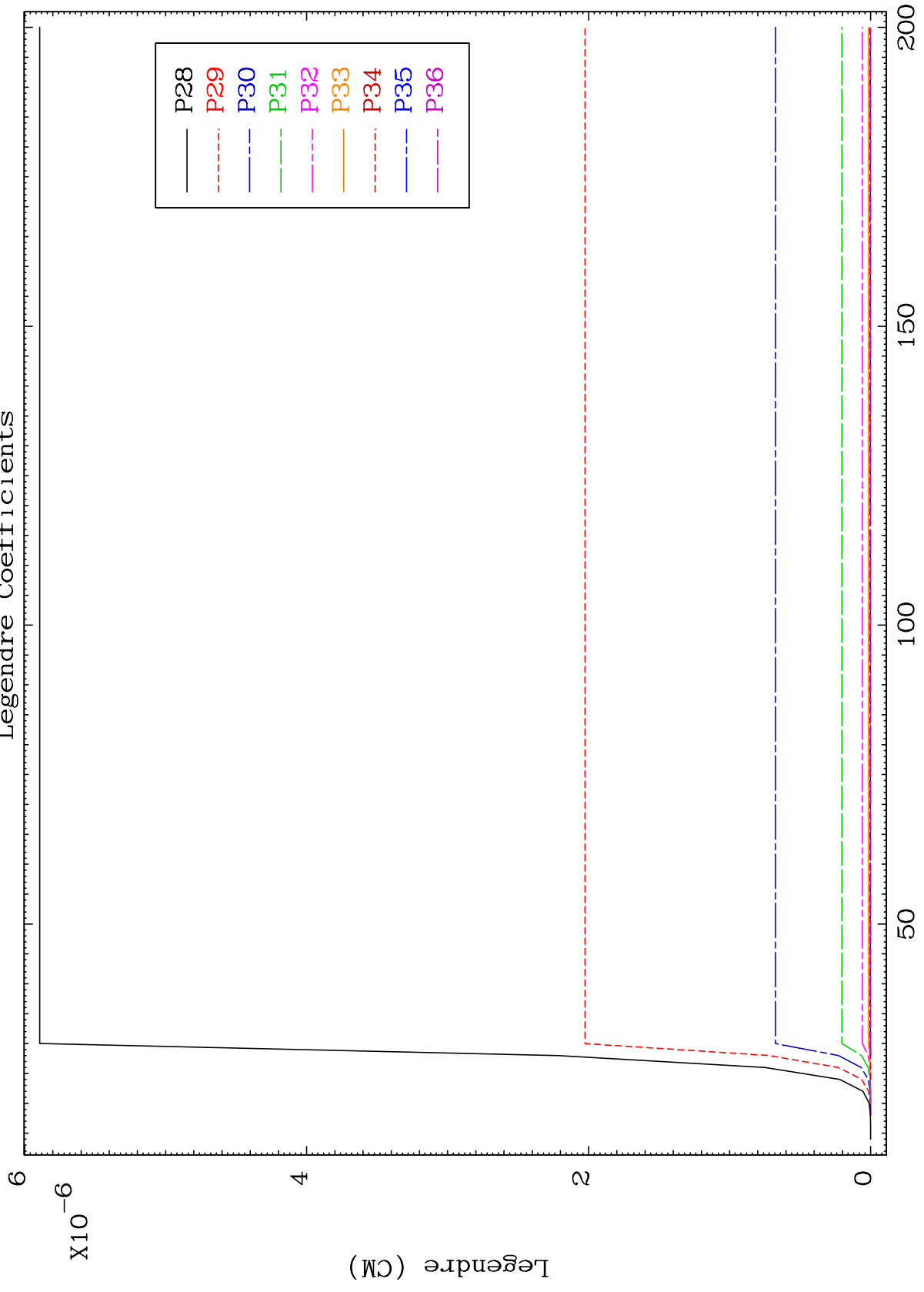
Incident Energy (MeV)

61-Pm-141

MAT 6131 MT= 76 (n,n') Level Legendre Coefficients

61-Pm-141

61-Pm-141

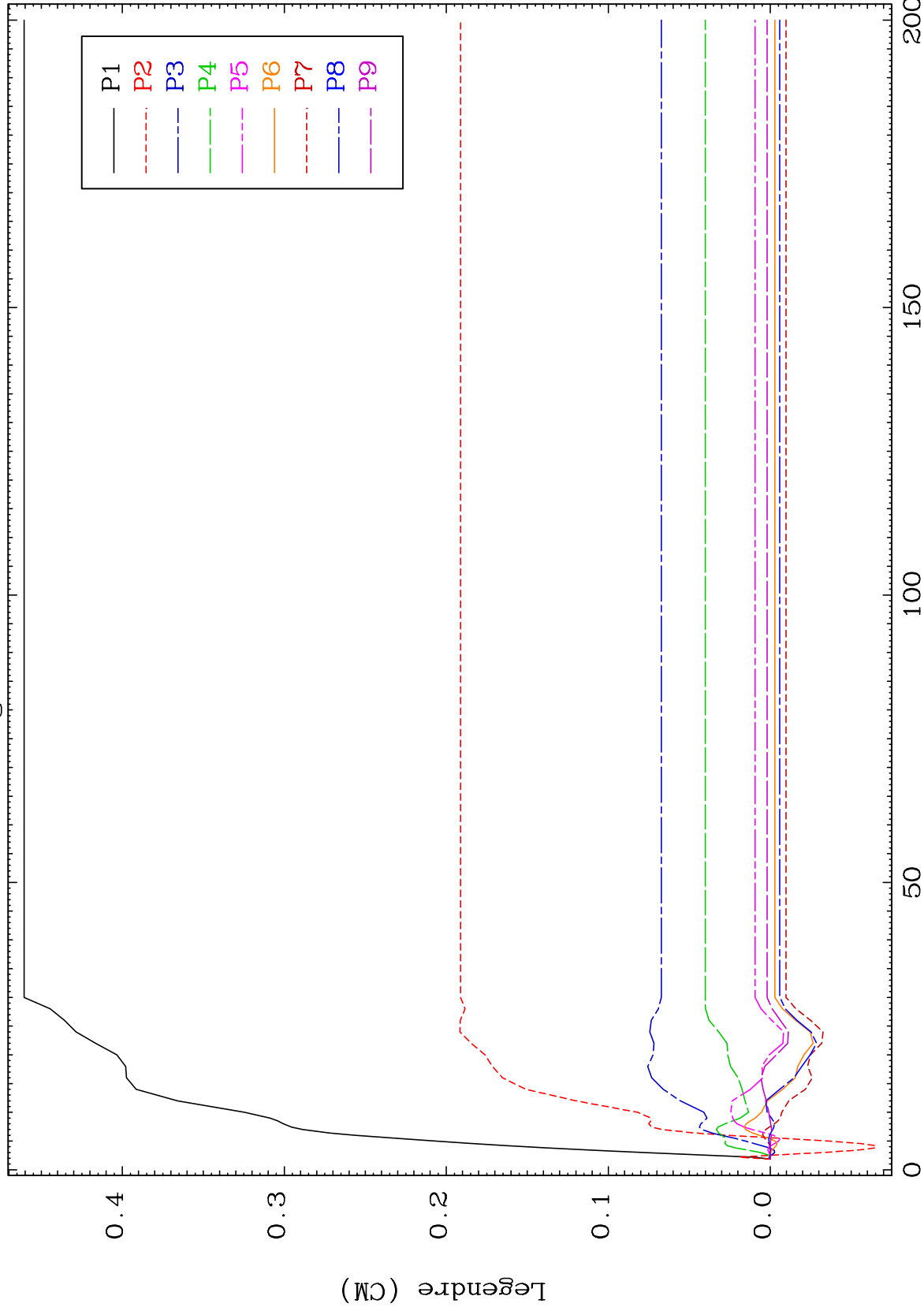


123

MAT 6131

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

61-Pm-141



61-Pm-141

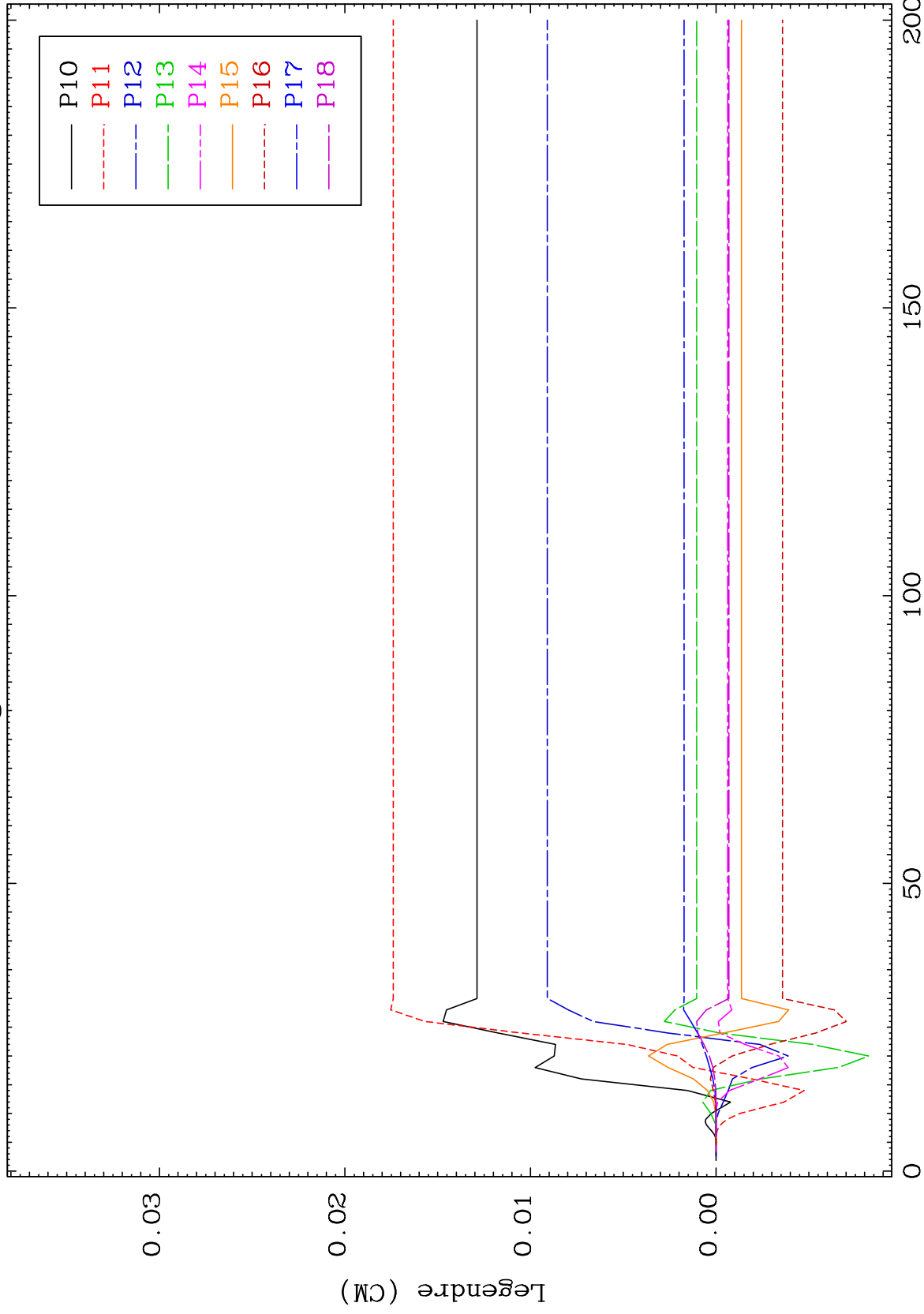
Incident Energy (MeV)

124

MAT 6131

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

61-Pm-141



125

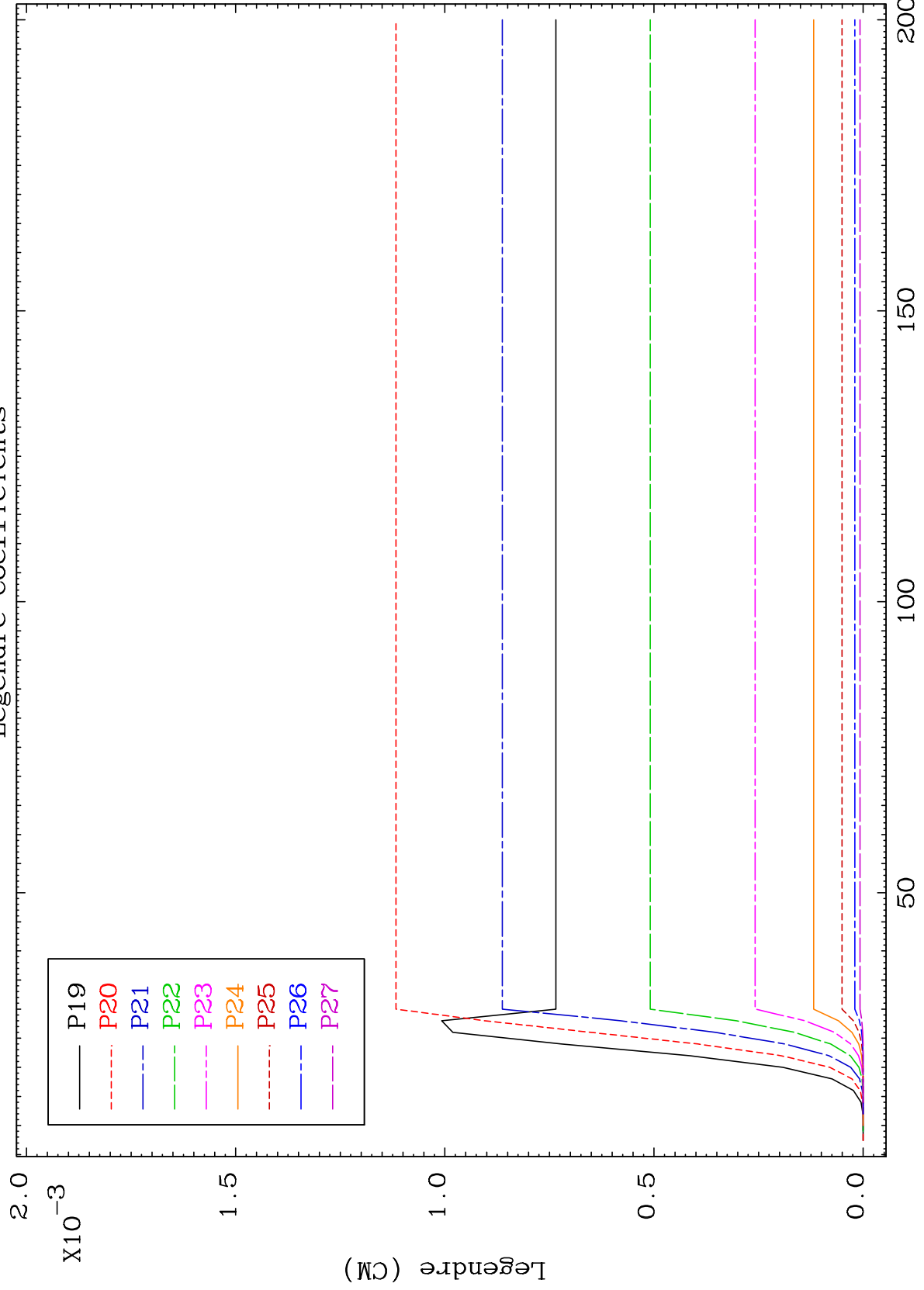
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



126

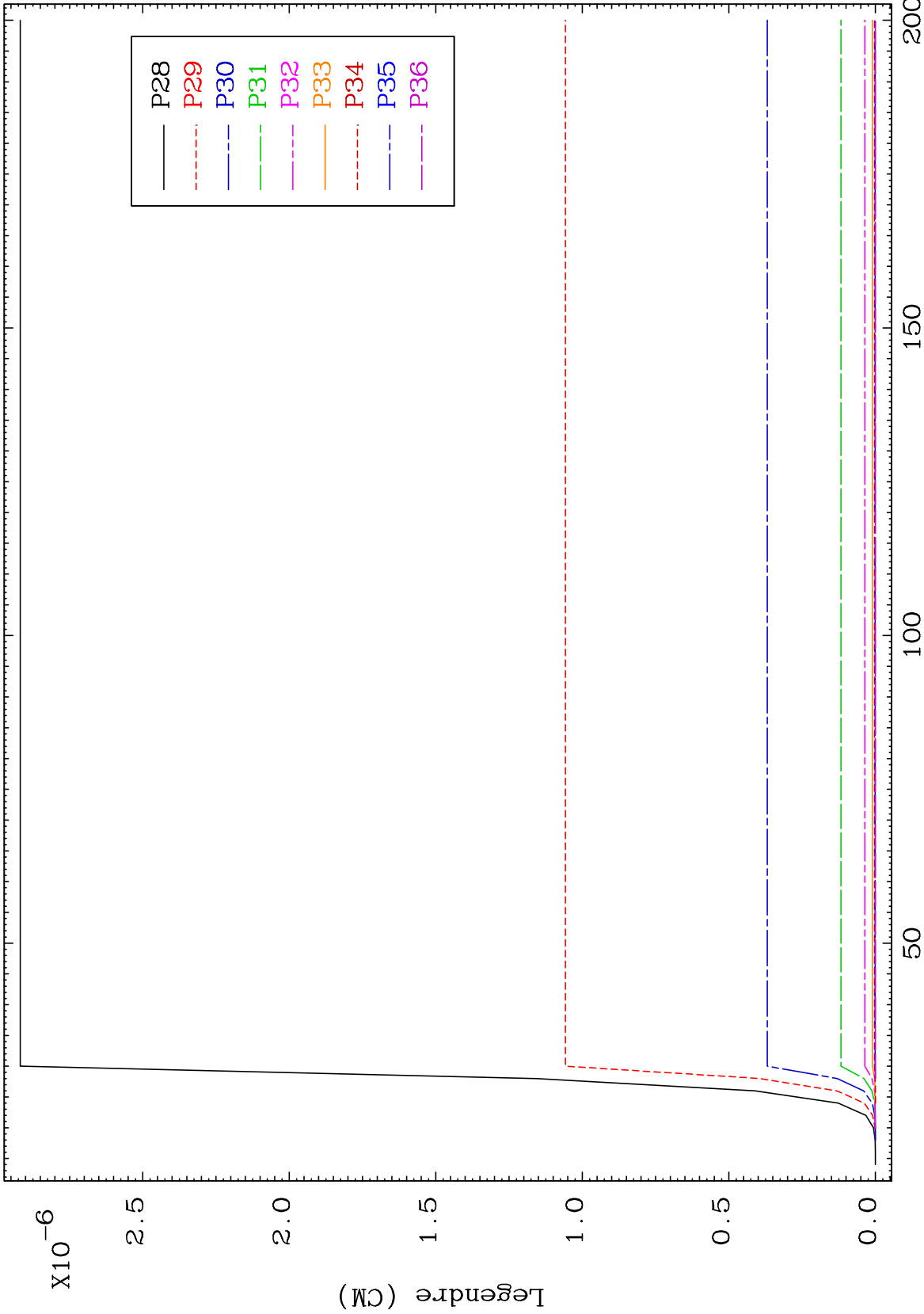
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



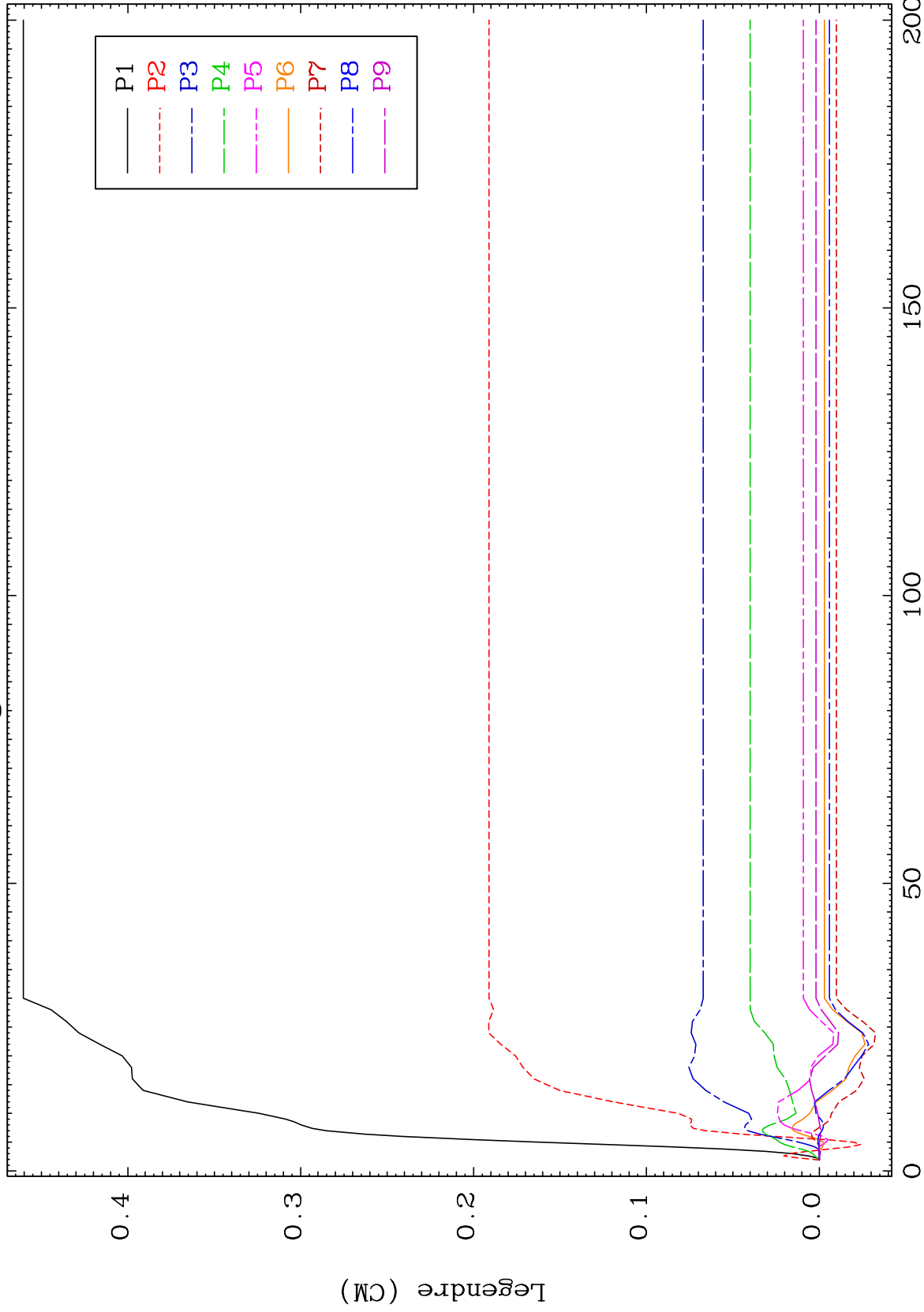
127

61-Pm-141

MAT 6131

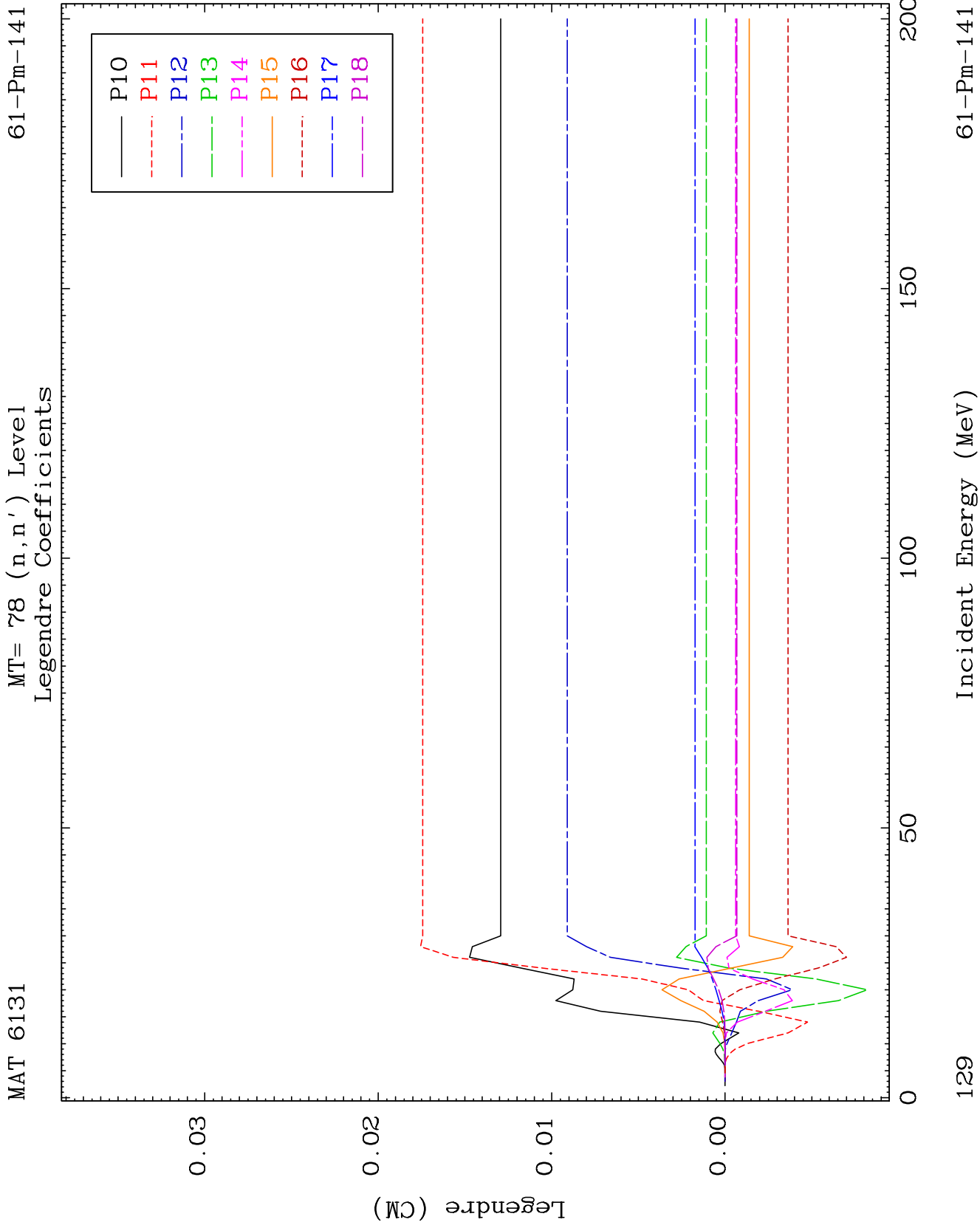
MT= 78 (n,n') Level
Legendre Coefficients

61-Pm-141

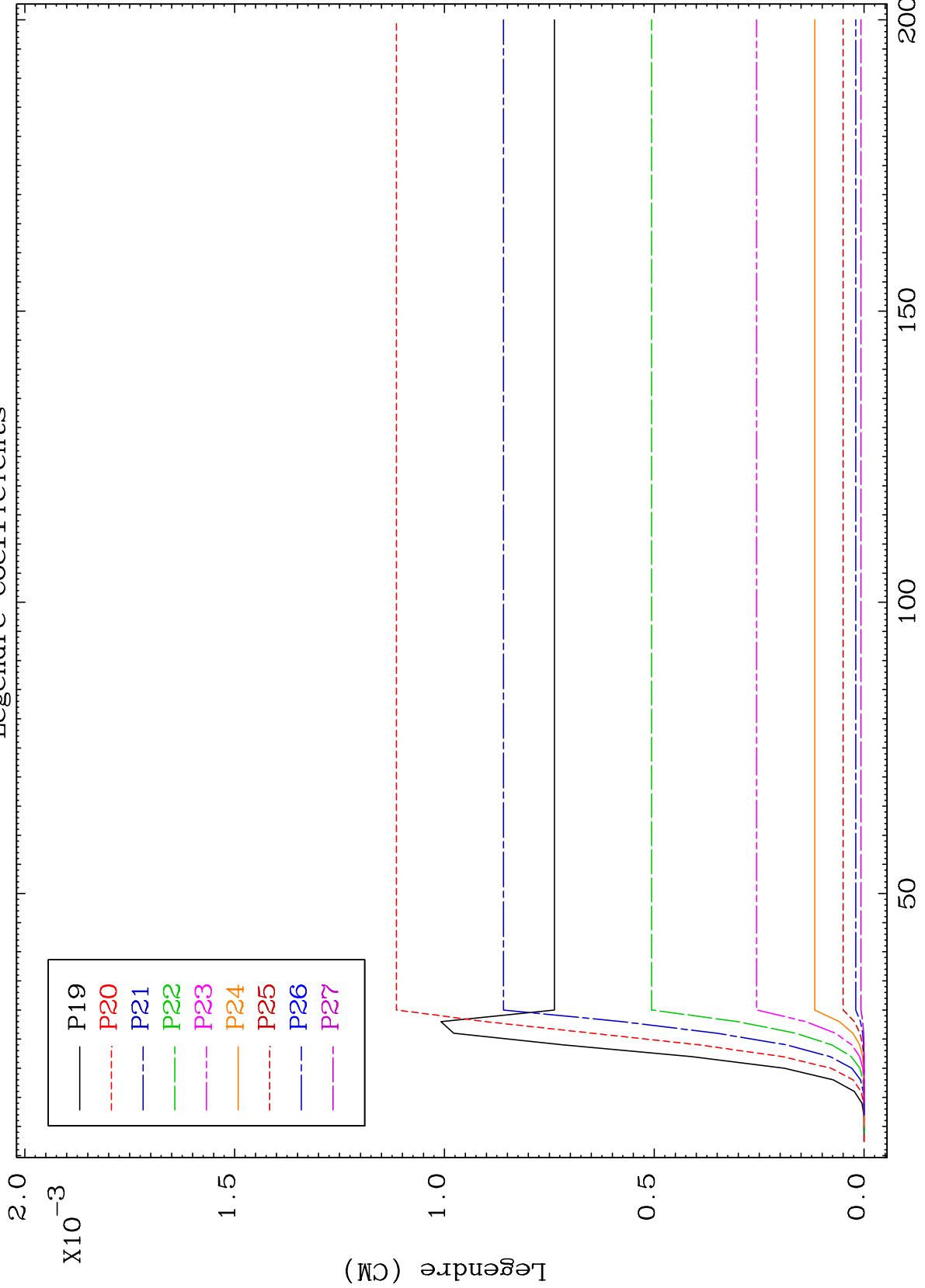


128

61-Pm-141



MAT 6131 MT= 78 (n,n') Level Legendre Coefficients 61-Pm-141



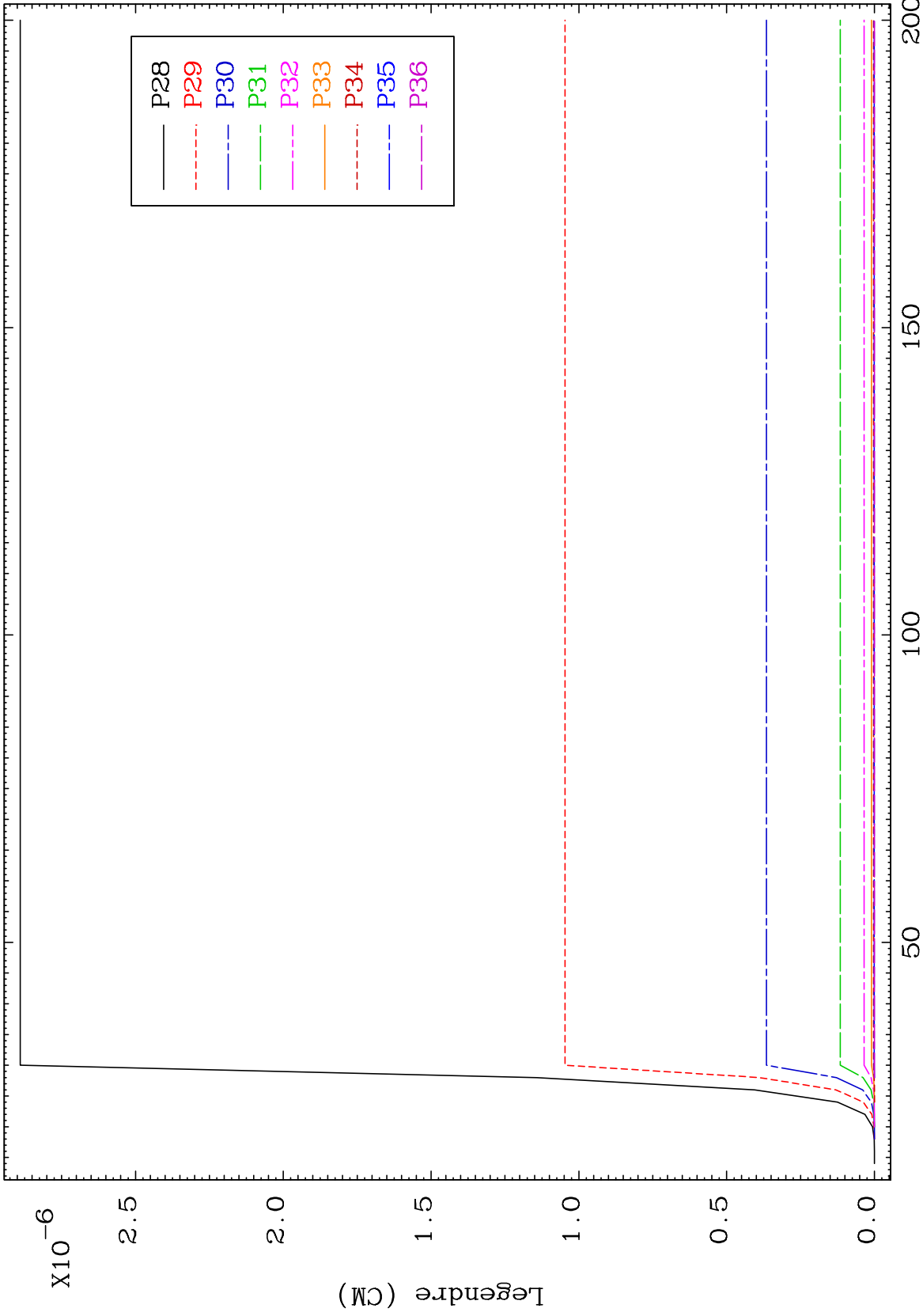
61-Pm-141

130

MAT 6131

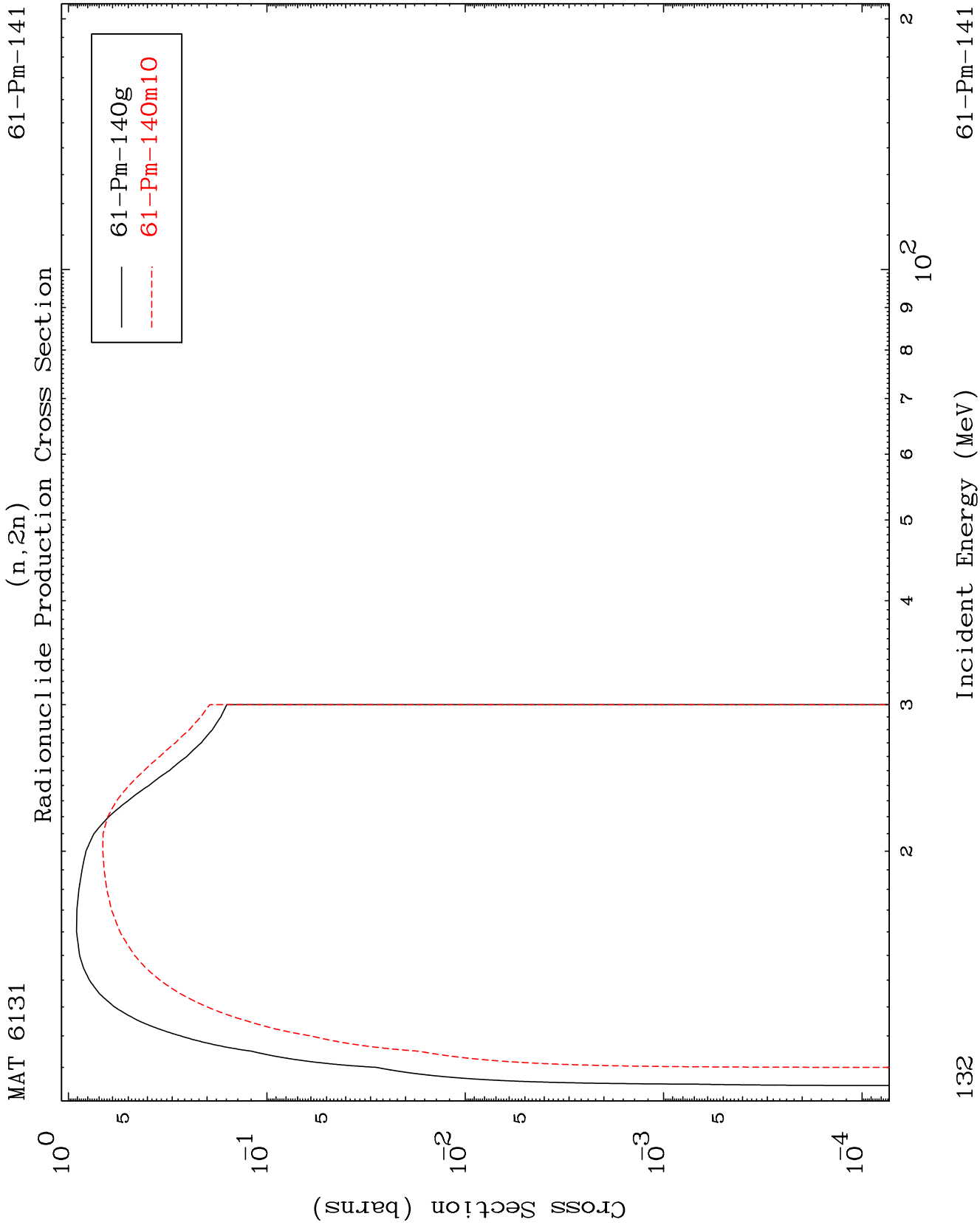
MT= 78 (n,n') Level
Legendre Coefficients

61-Pm-141



131

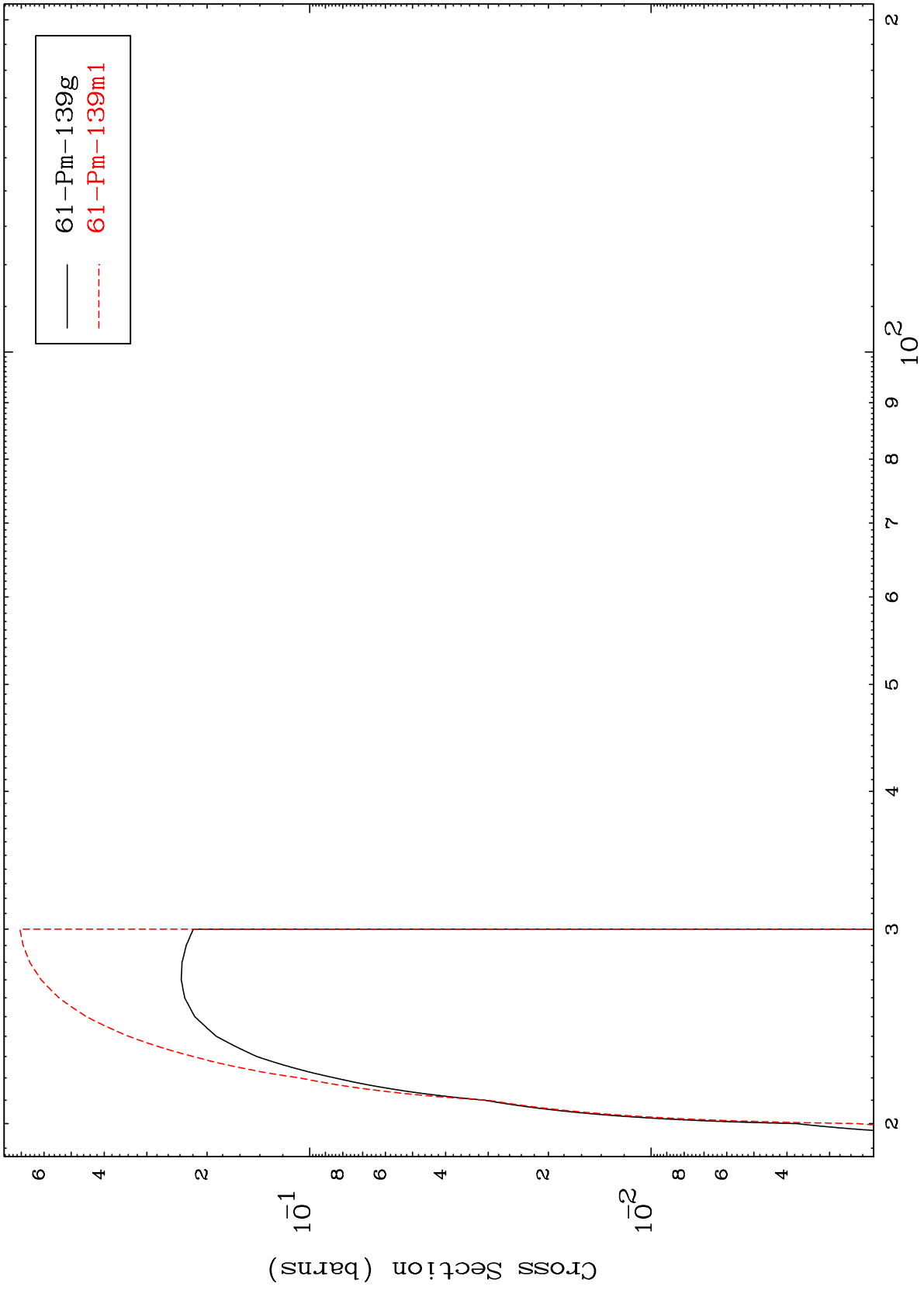
61-Pm-141



MAT 6131

61-Pm-141

(n,3n)
Radionuclide Production Cross Section



133

61-Pm-141

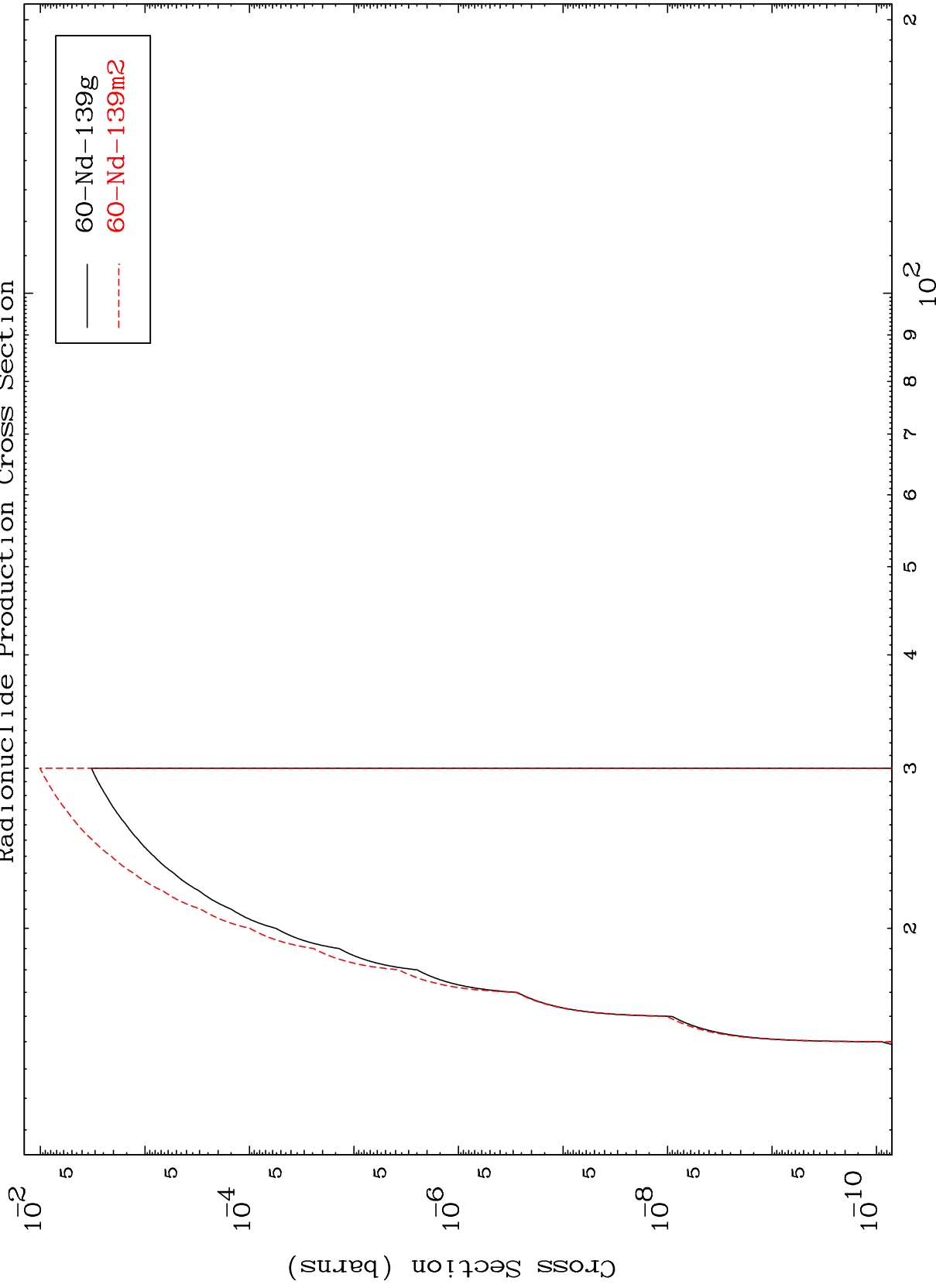
Incident Energy (MeV)

MAT 6131

(n, n') d

61-Pm-141

Radionuclide Production Cross Section



134

Incident Energy (MeV)

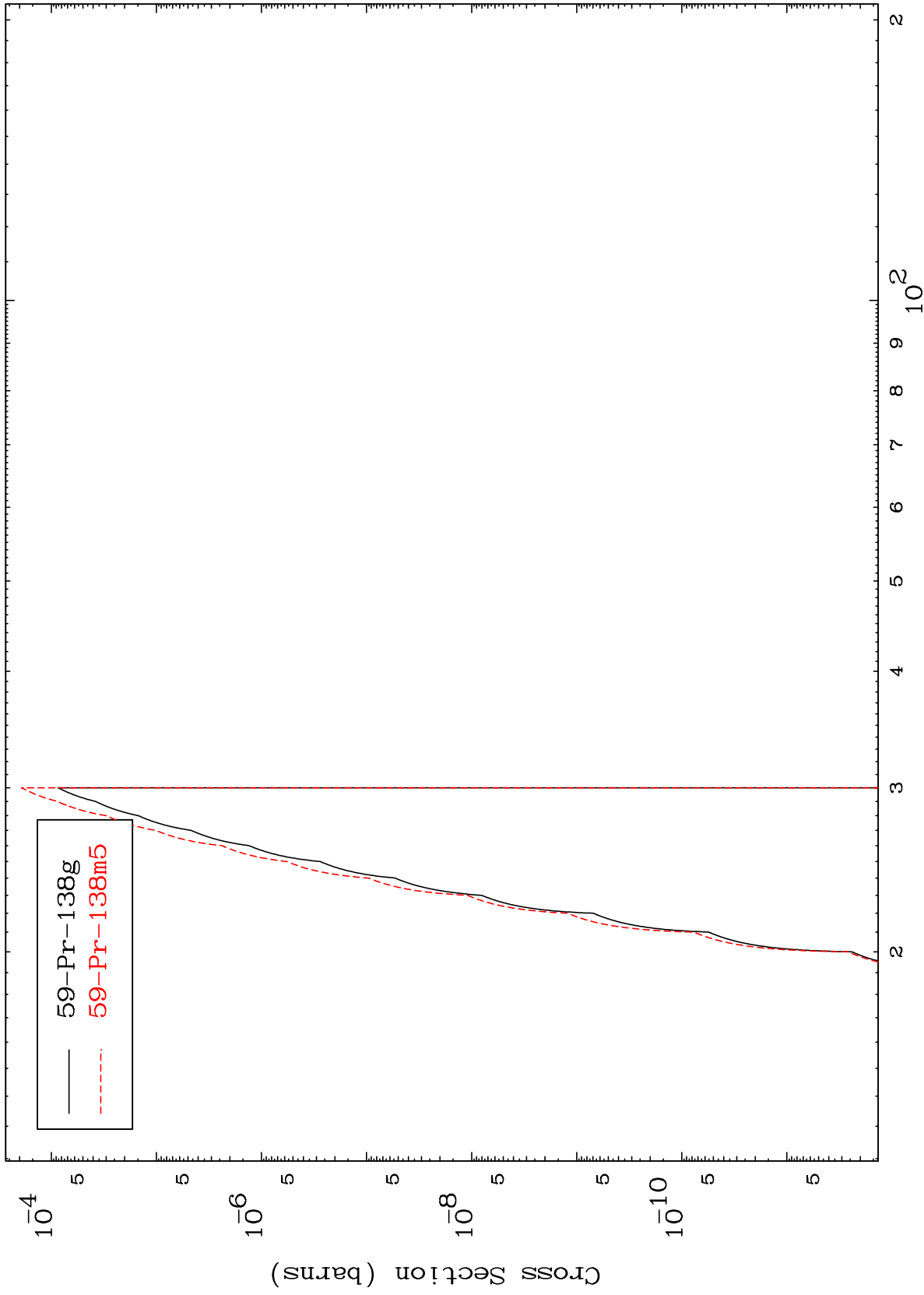
61-Pm-141

MAT 6131

(n, n') He-3

61-Pm-141

Radionuclide Production Cross Section



59-Pr-138g
59-Pr-138m5

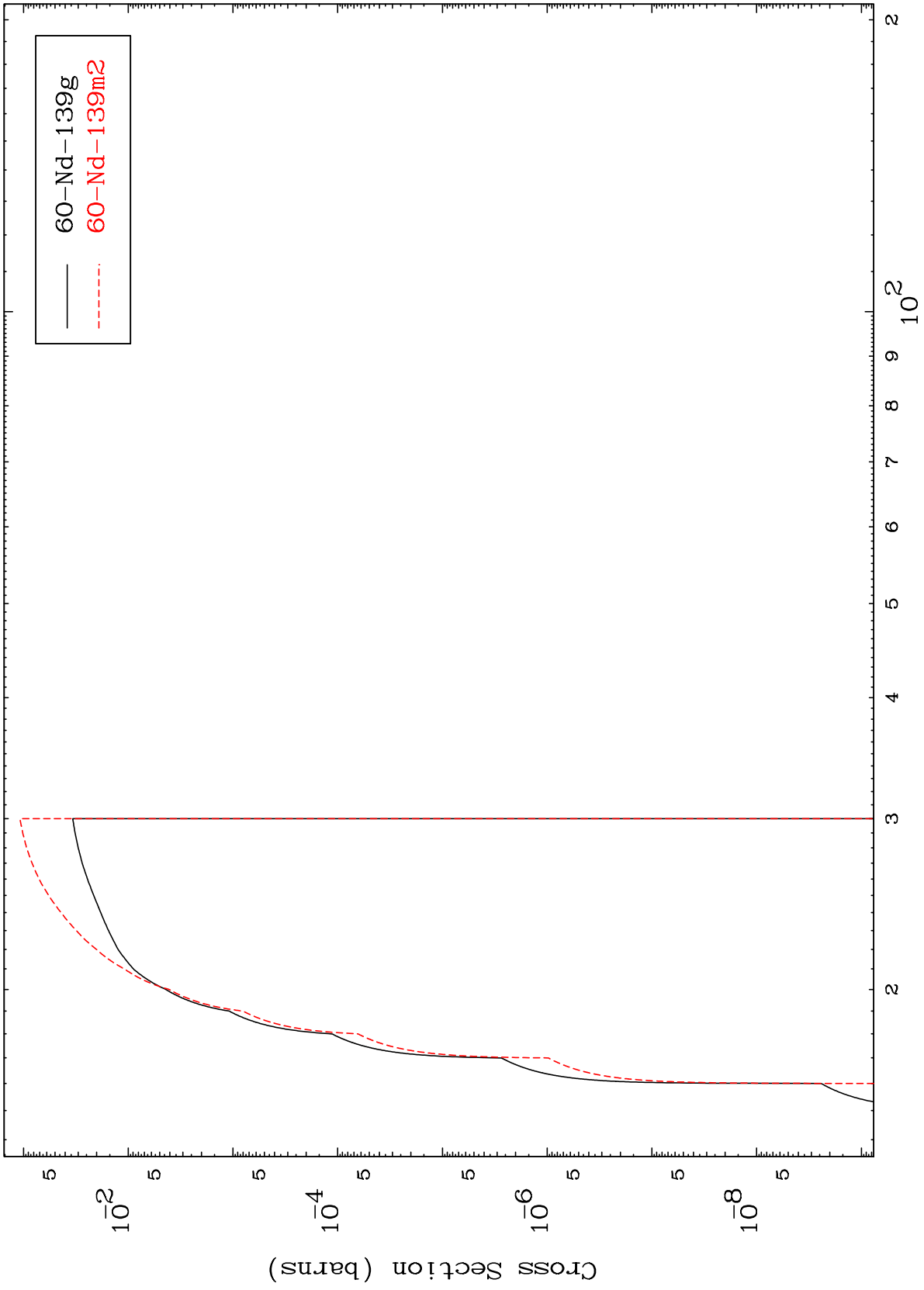
135

MAT 6131

(n,2n) p

61-Pm-141

Radionuclide Production Cross Section



136

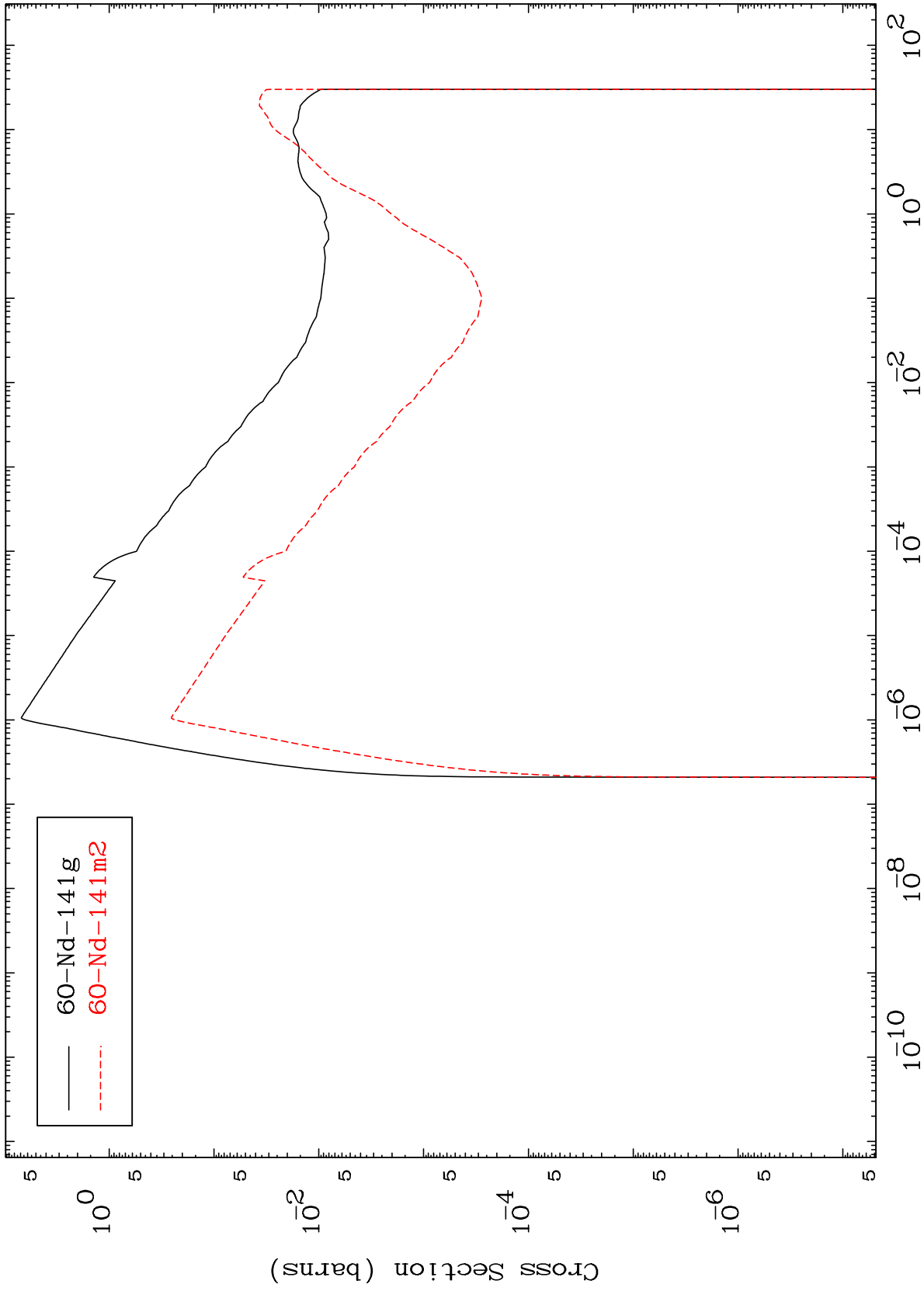
Incident Energy (MeV)

61-Pm-141

MAT 6131

61-Pm-141

(n,p)
Radionuclide Production Cross Section

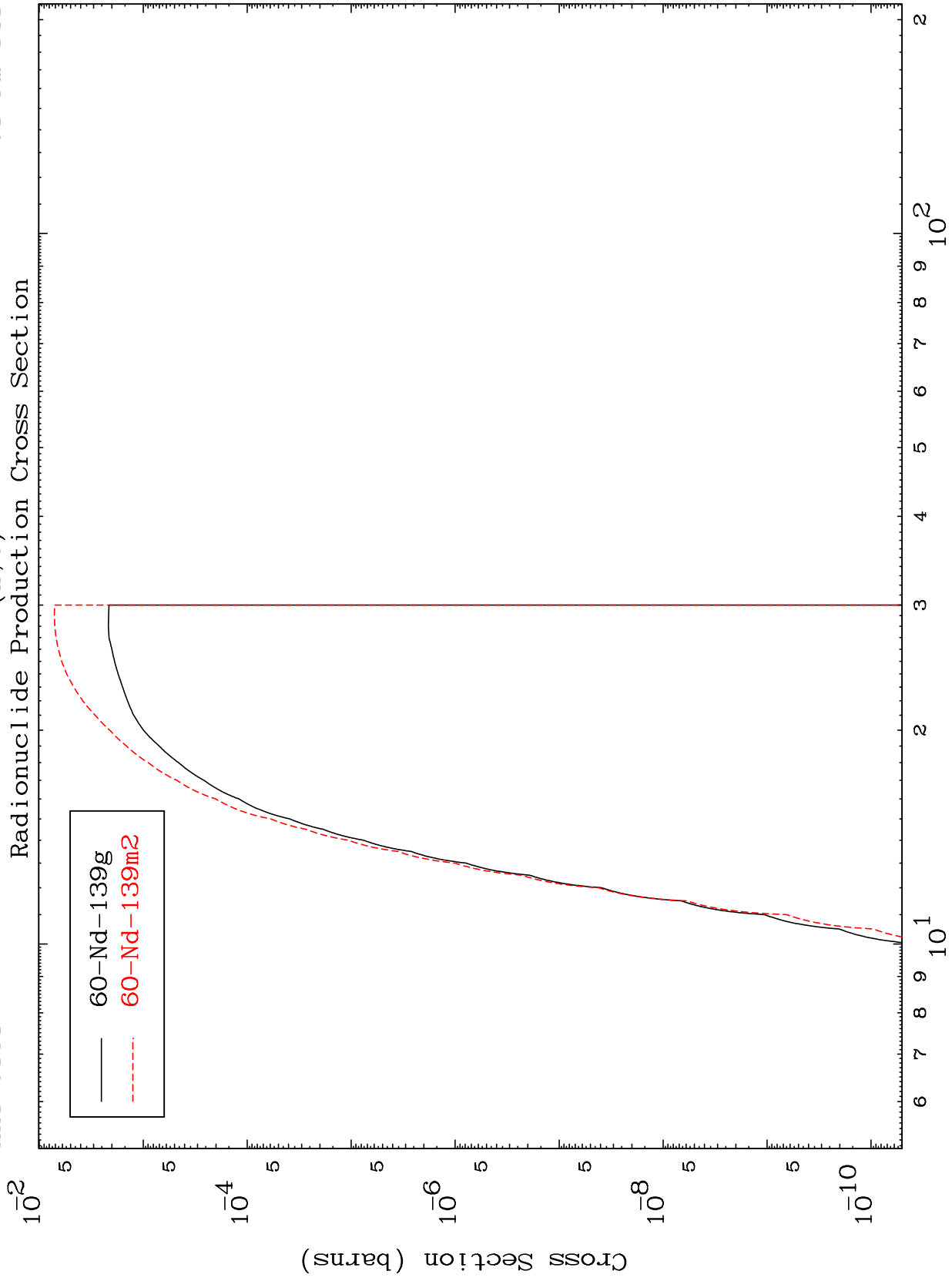


137

61-Pm-141

MAT 6131

61-Pm-141



138

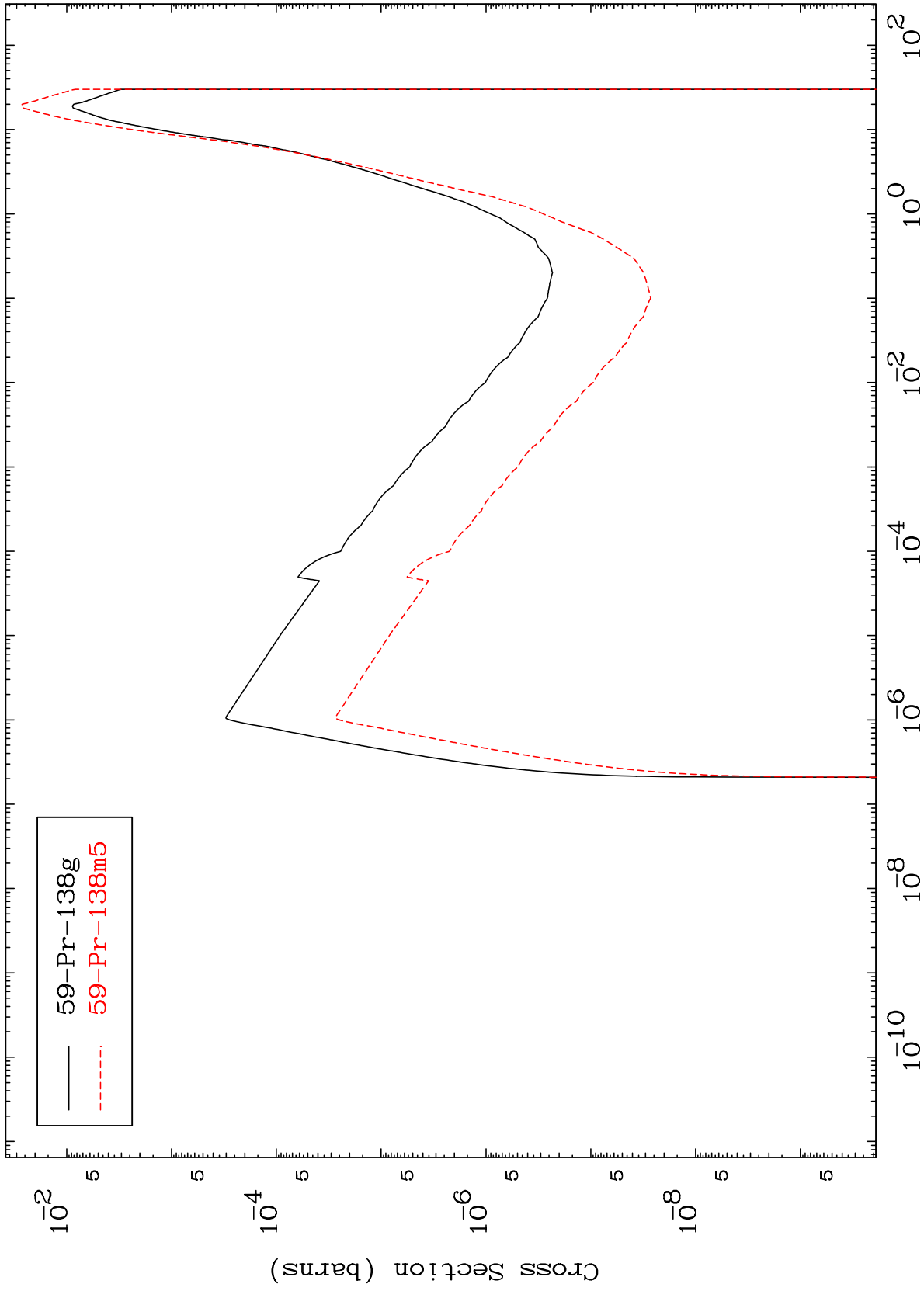
61-Pm-141

MAT 6131

(n, α)

61-Pm-141

Radionuclide Production Cross Section



139

Incident Energy (MeV)

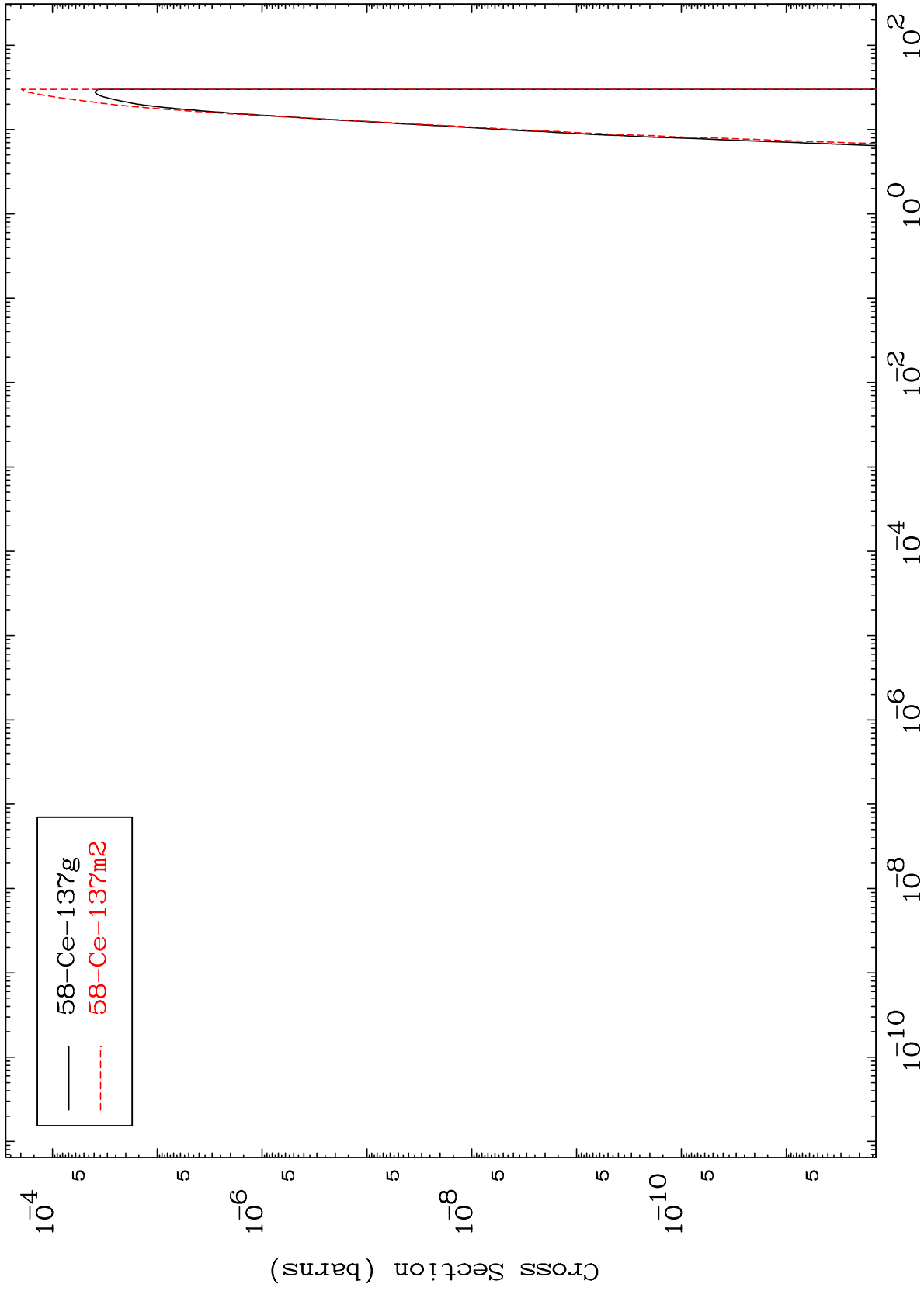
61-Pm-141

MAT 6131

(n,p) α

61-Pm-141

Radionuclide Production Cross Section



140

Incident Energy (MeV)

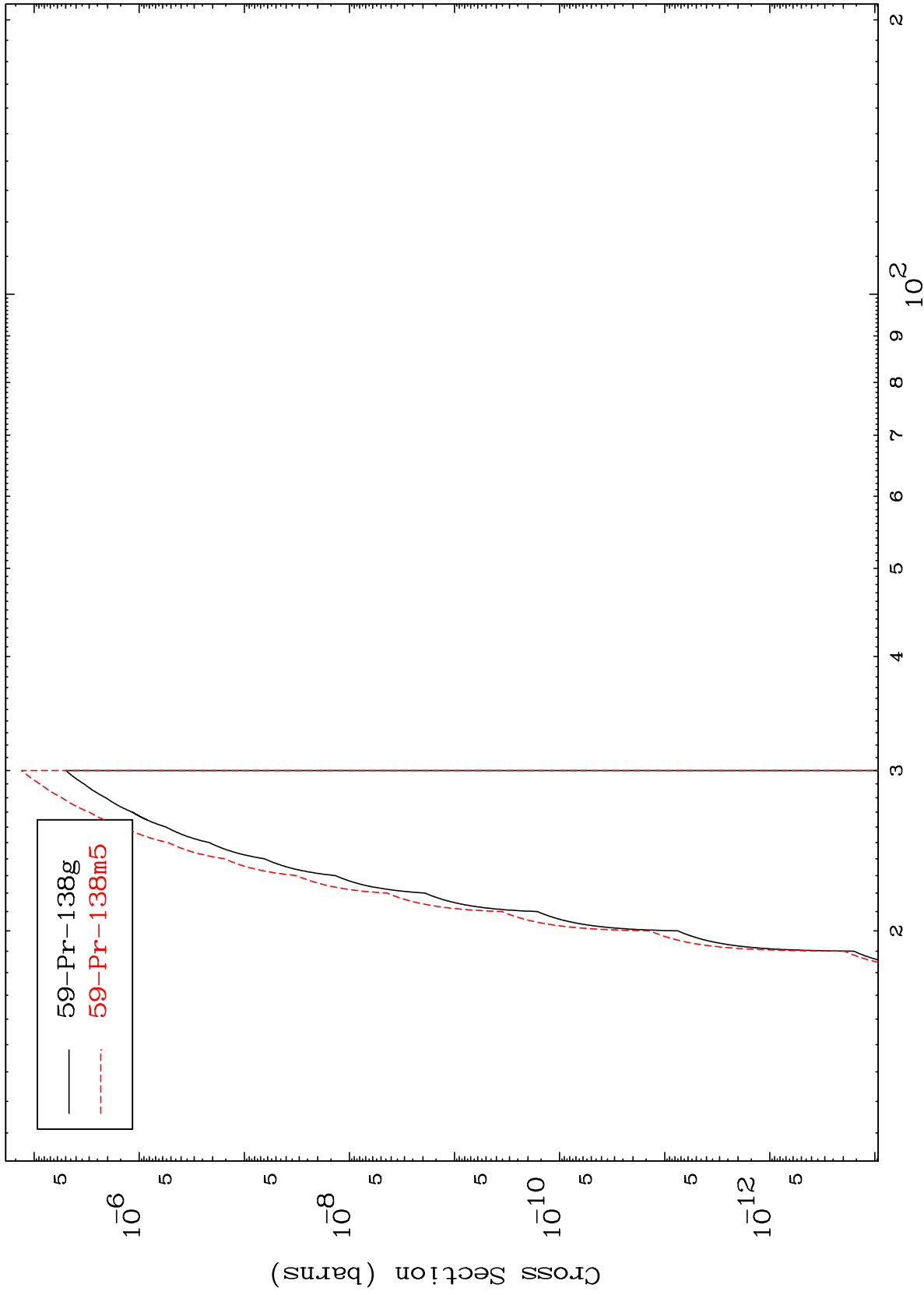
61-Pm-141

MAT 6131

(n,p) t

61-Pm-141

Radionuclide Production Cross Section



141

Incident Energy (MeV)

61-Pm-141