

Program EVALPLOT
(Version 2018-1)

by

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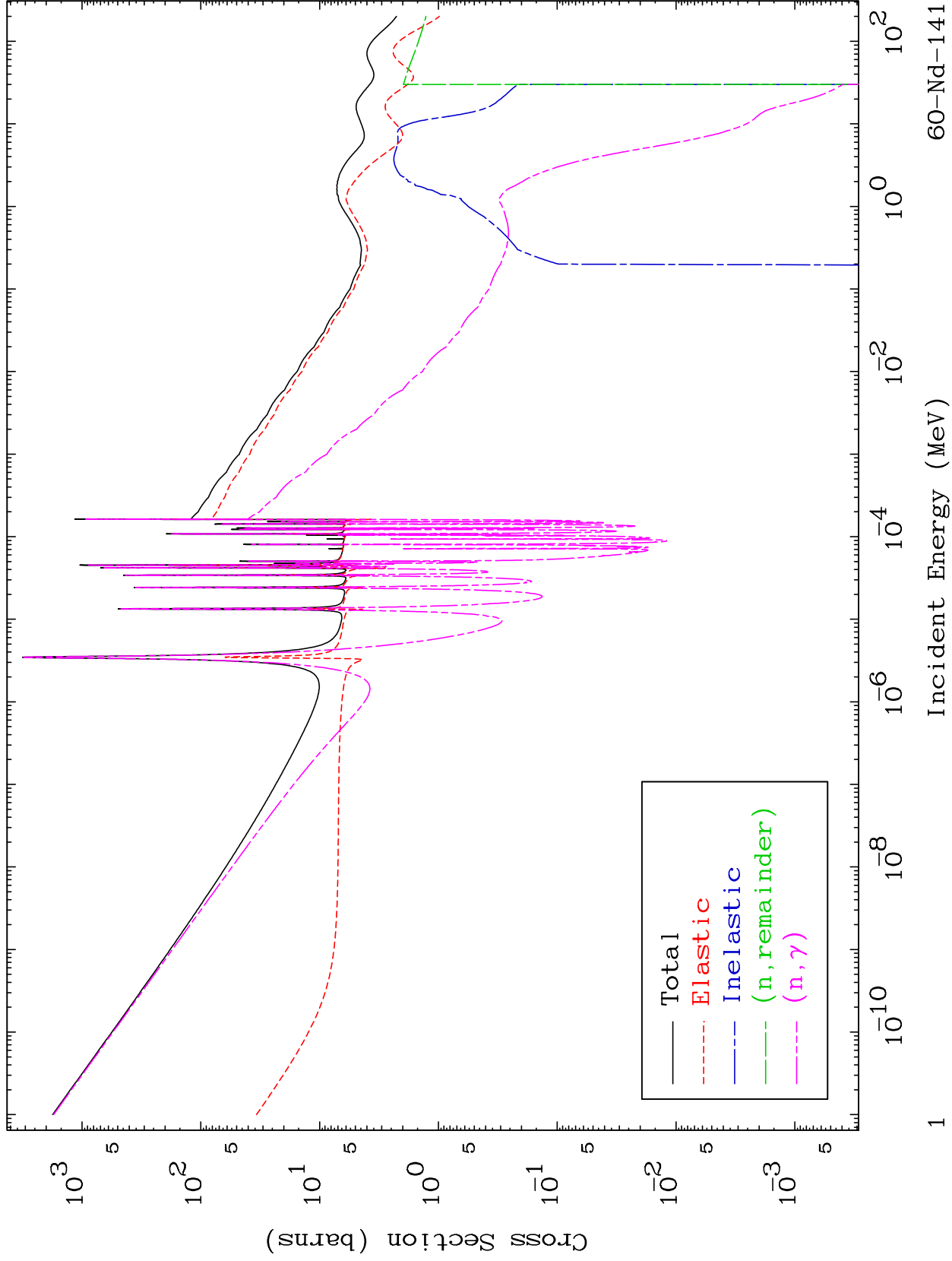
Press Mouse Button to Start

MAT 6022

Major

293 Kelvin Cross Sections

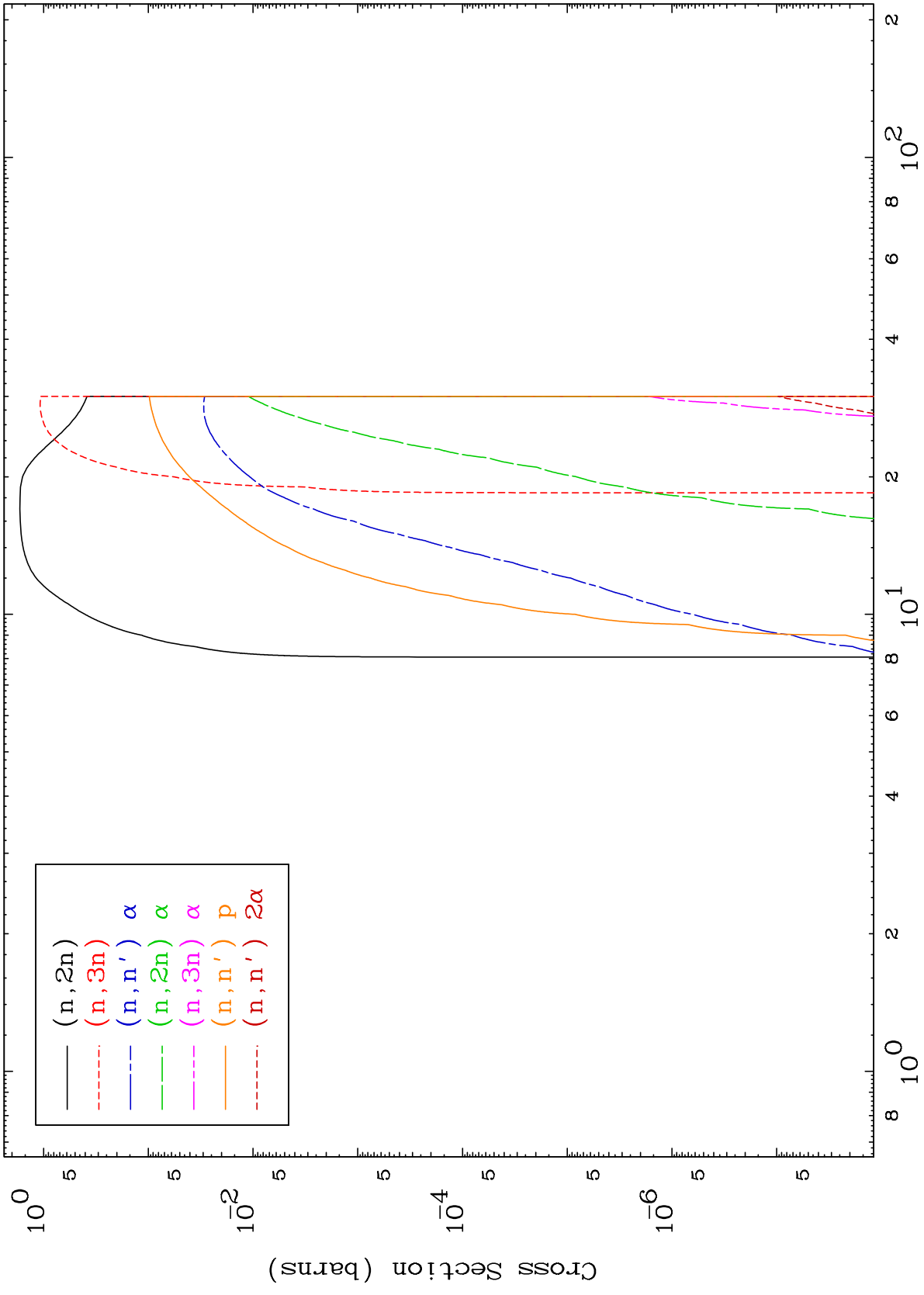
60-Nd-141



MAT 6022

Neutron Production
293 Kelvin Cross Sections

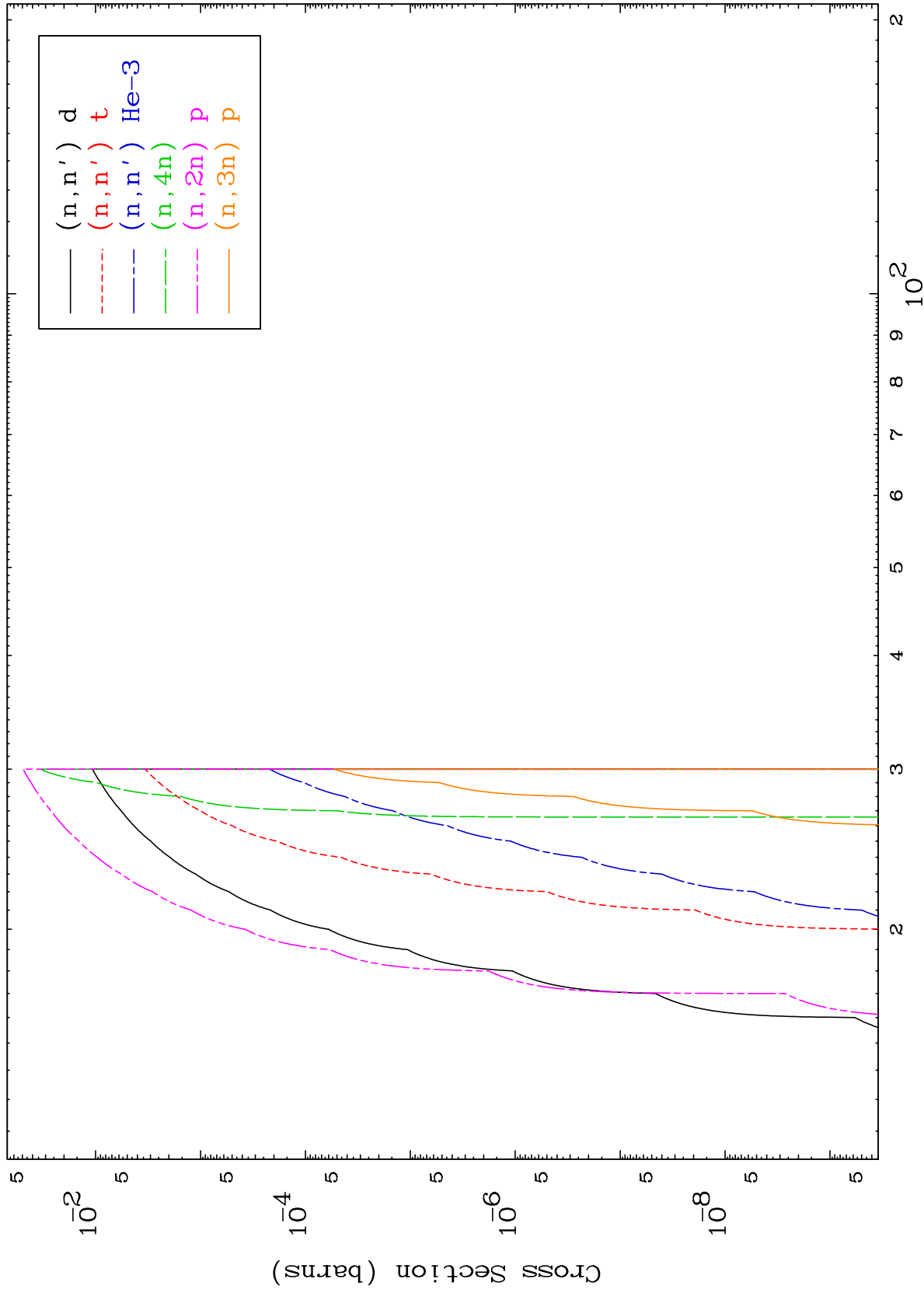
60-Nd-141



2

Incident Energy (MeV)

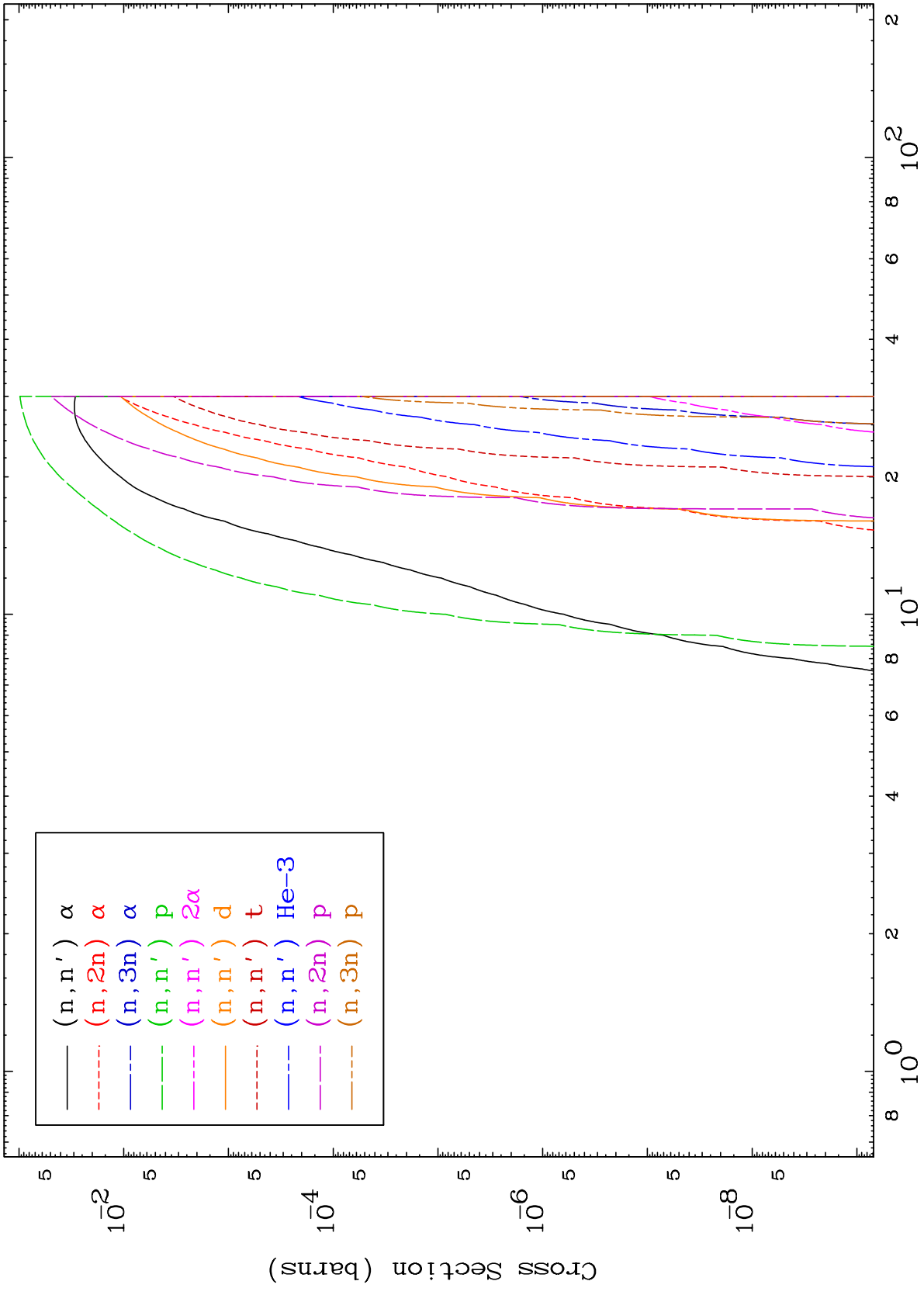
60-Nd-141



MAT 6022

293 Kelvin Cross Sections

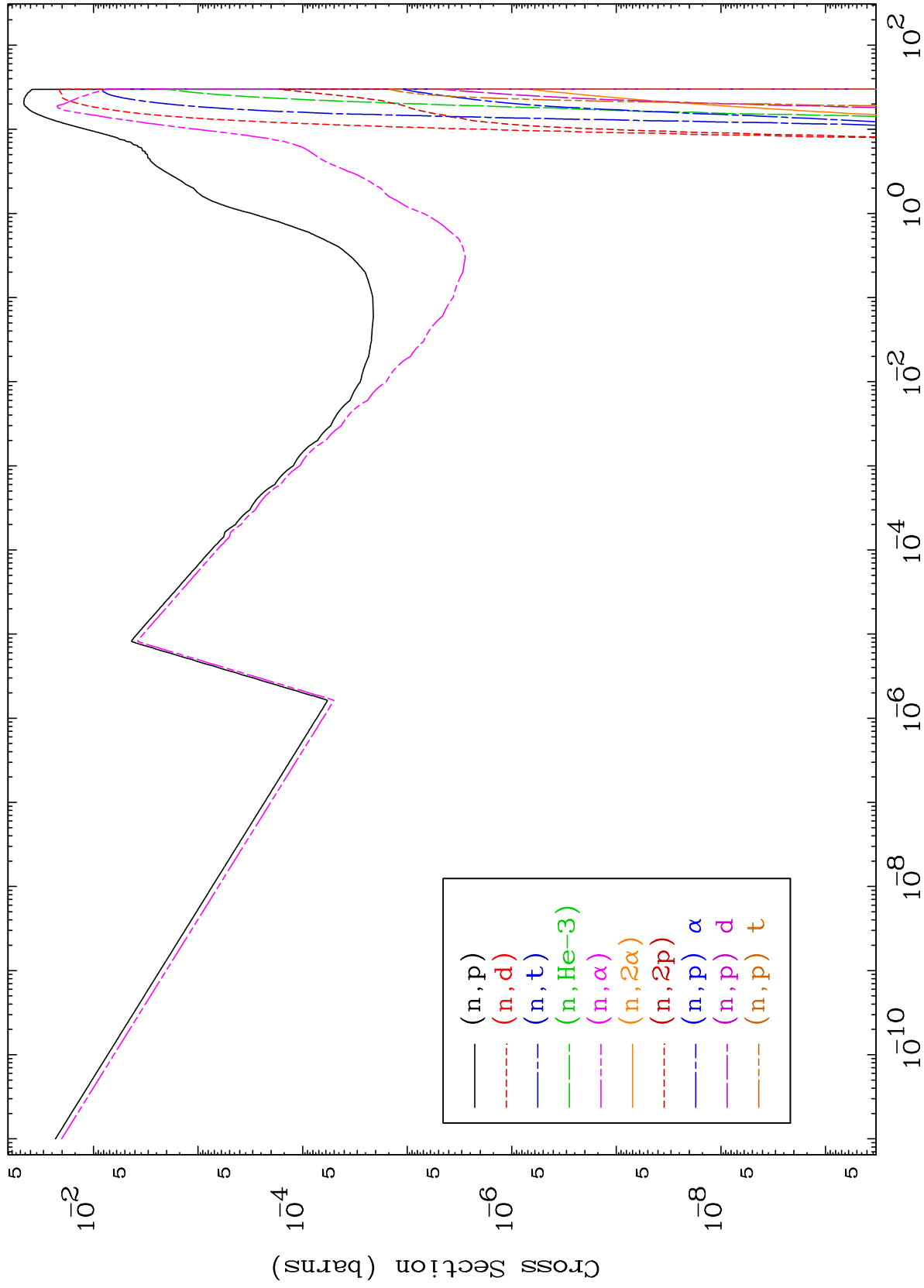
60-Nd-141



MAT 6022

293 Kelvin Cross Sections

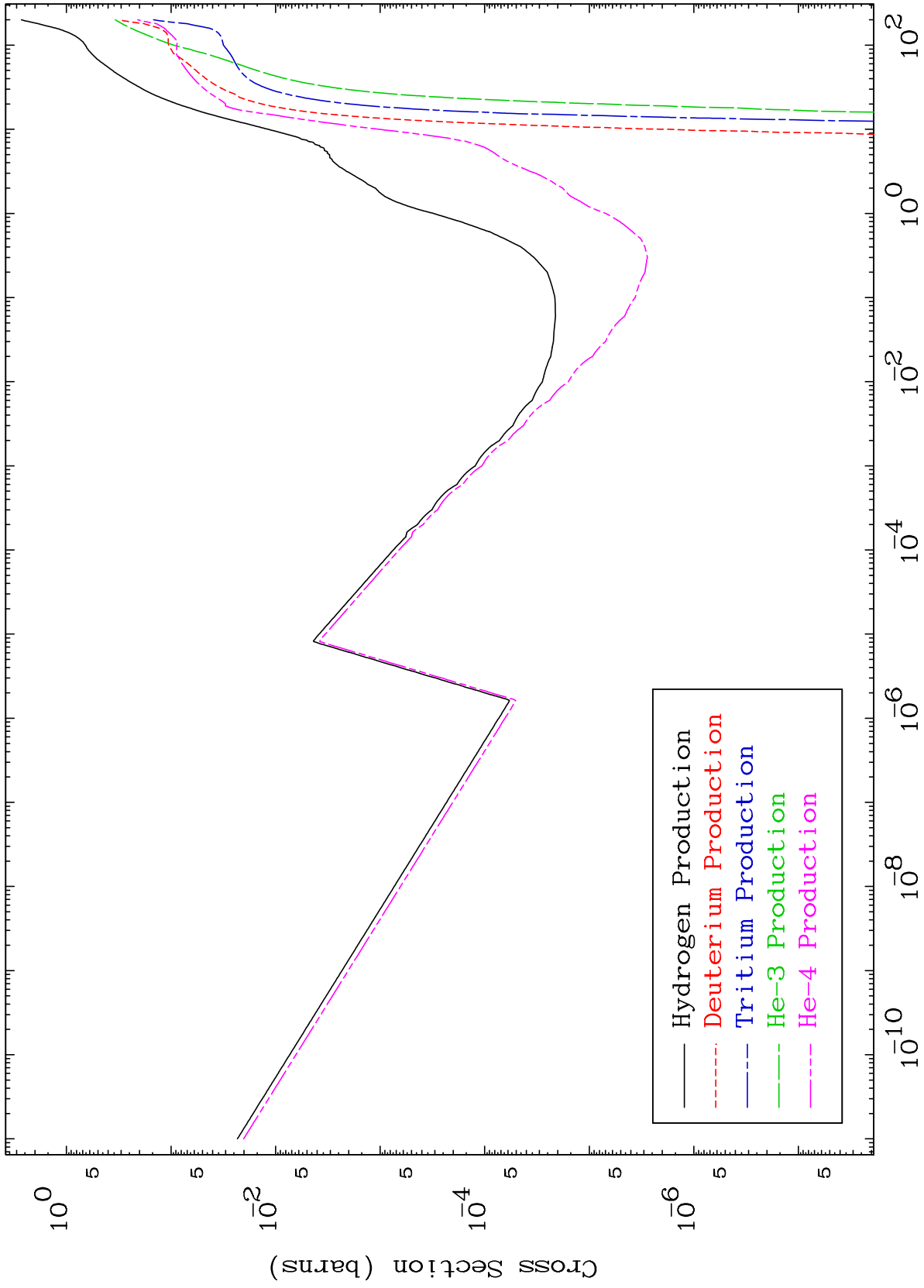
60-Nd-141



5

Incident Energy (MeV)

60-Nd-141

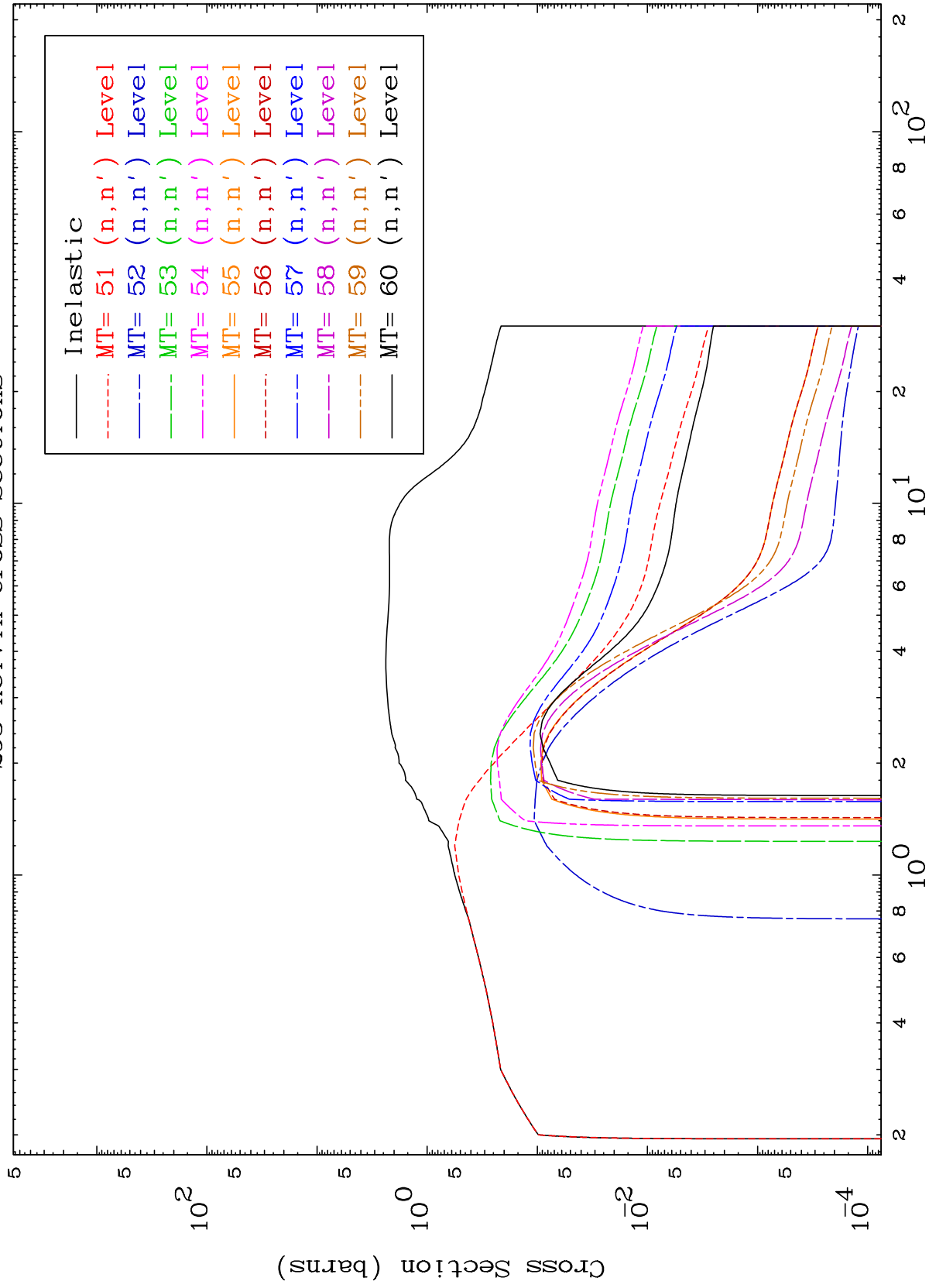


MAT 6022

(n,n') Level

60-Nd-141

293 Kelvin Cross Sections



7

Incident Energy (MeV)

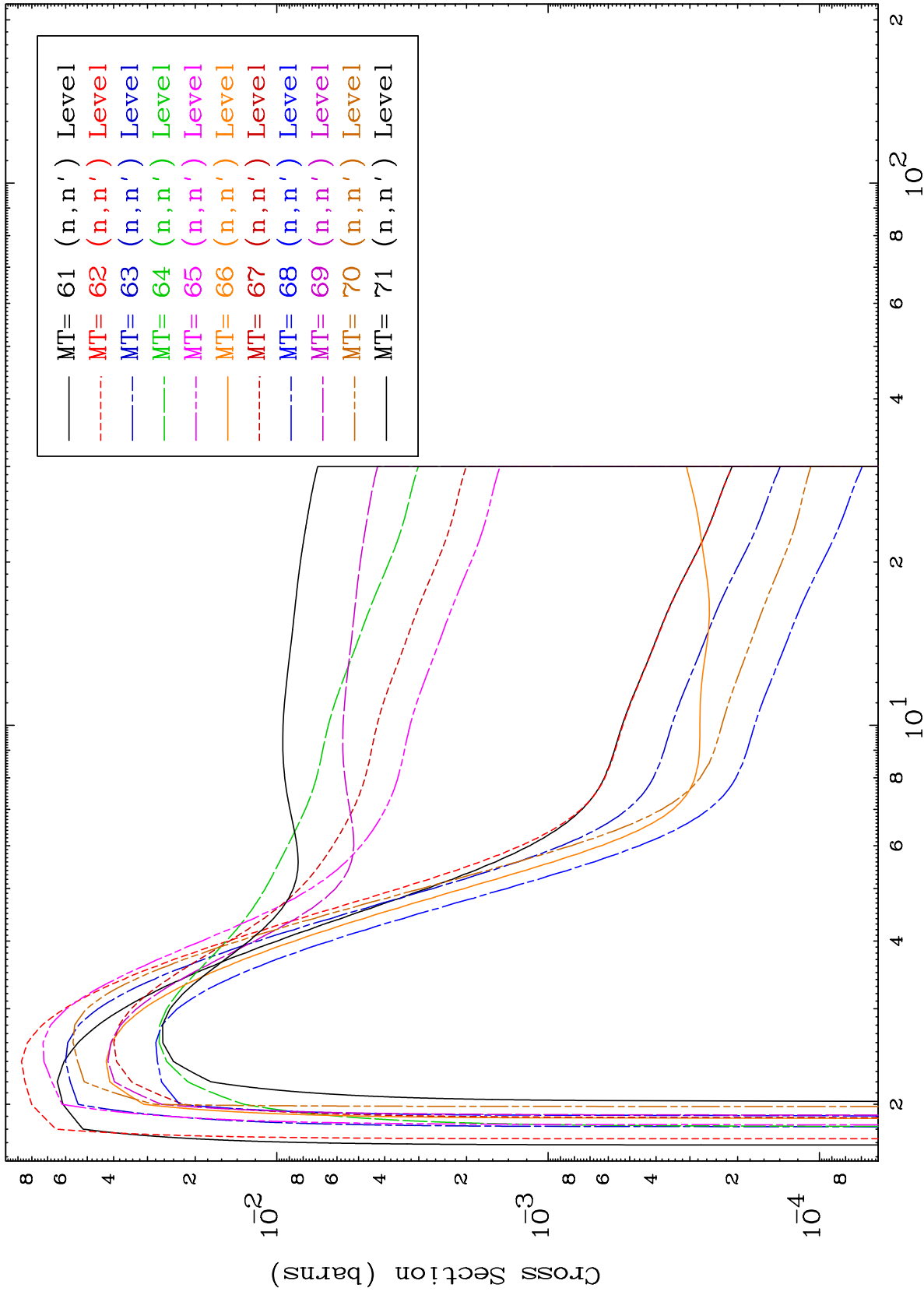
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MAT 6022

(n,n') Level

60-Nd-141

293 Kelvin Cross Sections



8

Incident Energy (MeV)

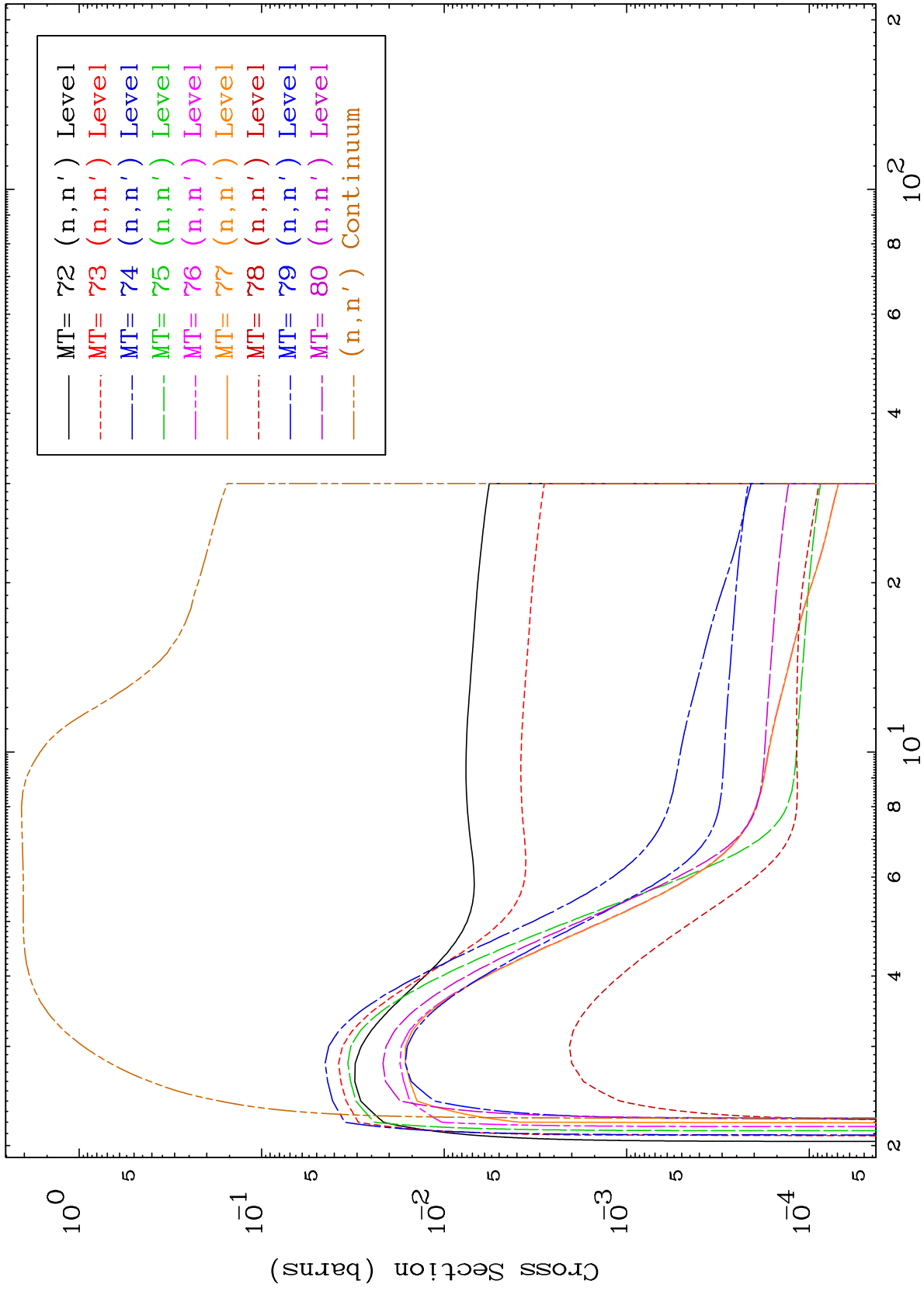
60-Nd-141

MAT 6022

(n,n') Level

60-Nd-141

293 Kelvin Cross Sections



9

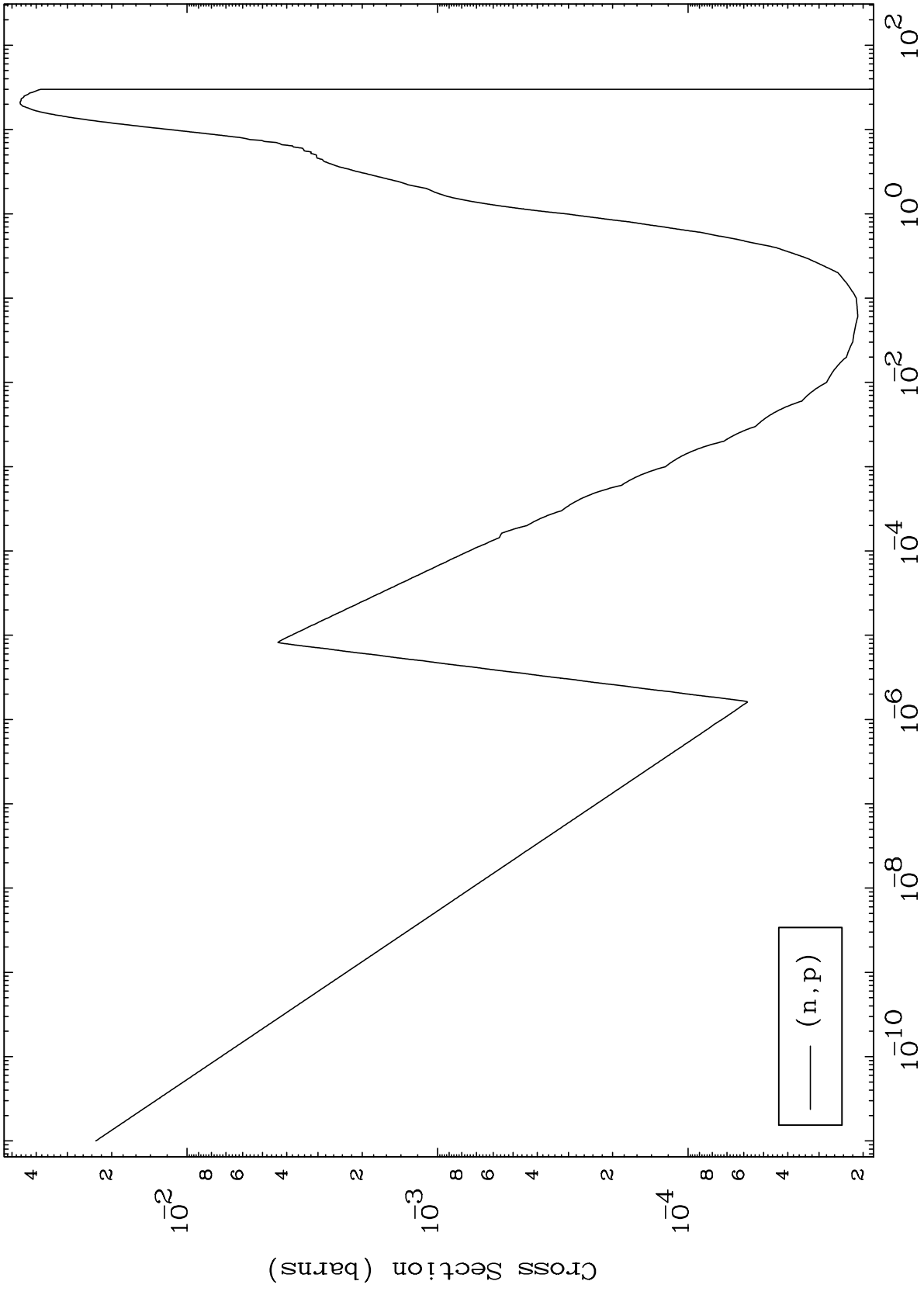
Incident Energy (MeV)

60-Nd-141

MAT 6022

(n,p) Levels
293 Kelvin Cross Sections

60-Nd-141



10

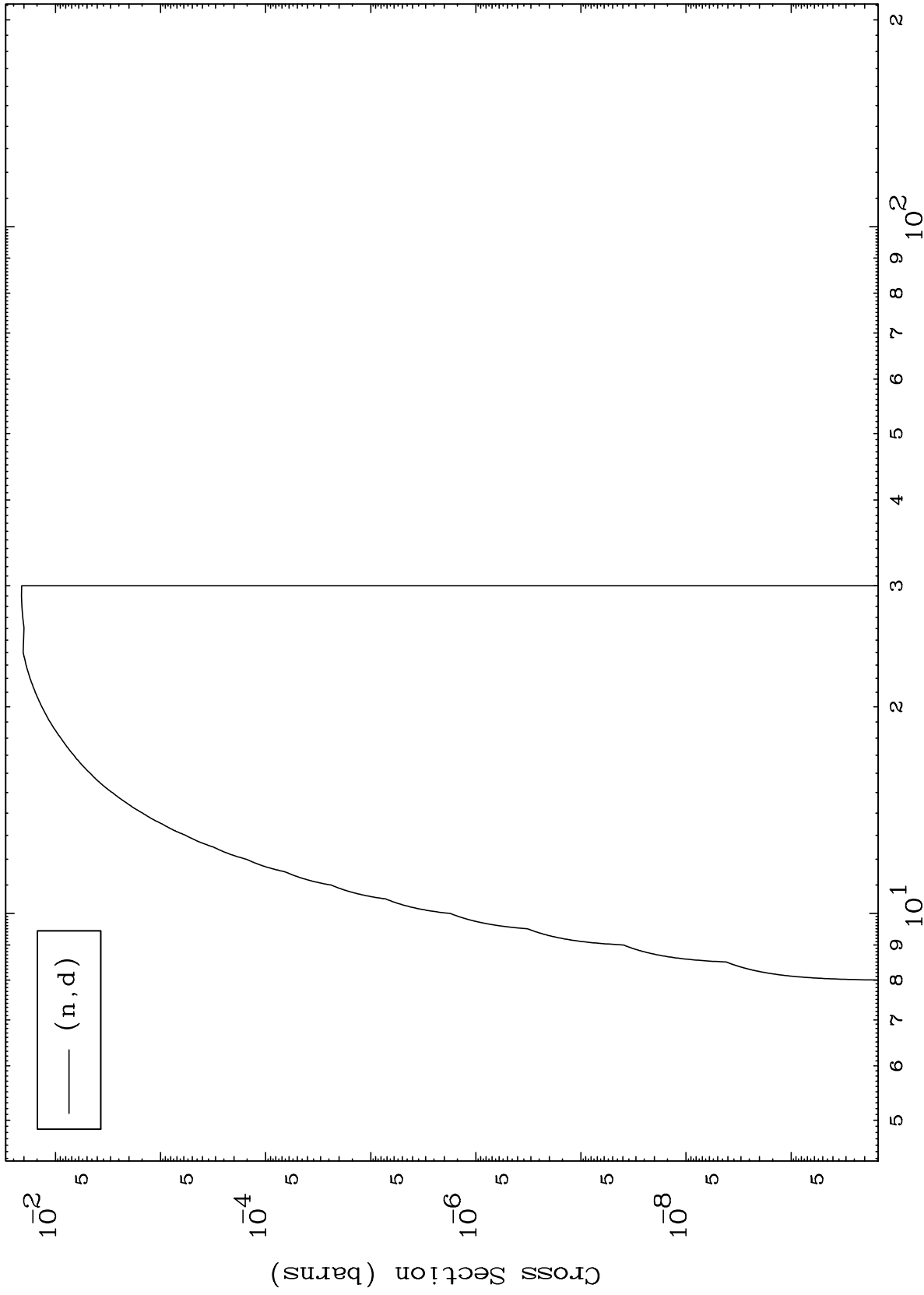
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60-Nd-141

MAT 6022

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-141



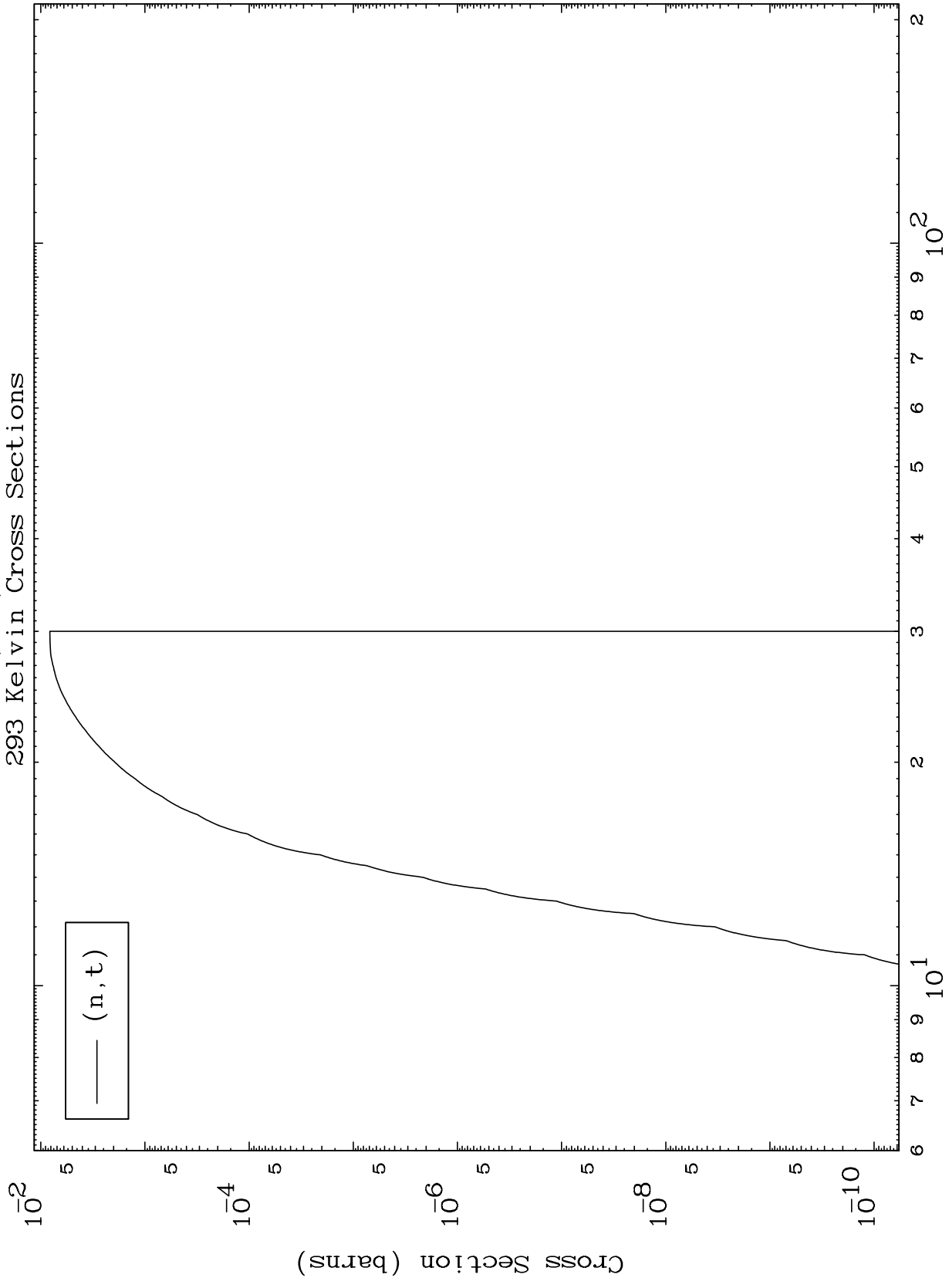
11

60-Nd-141

MAT 6022

60-Nd-141

(n,t) Levels
293 Kelvin Cross Sections



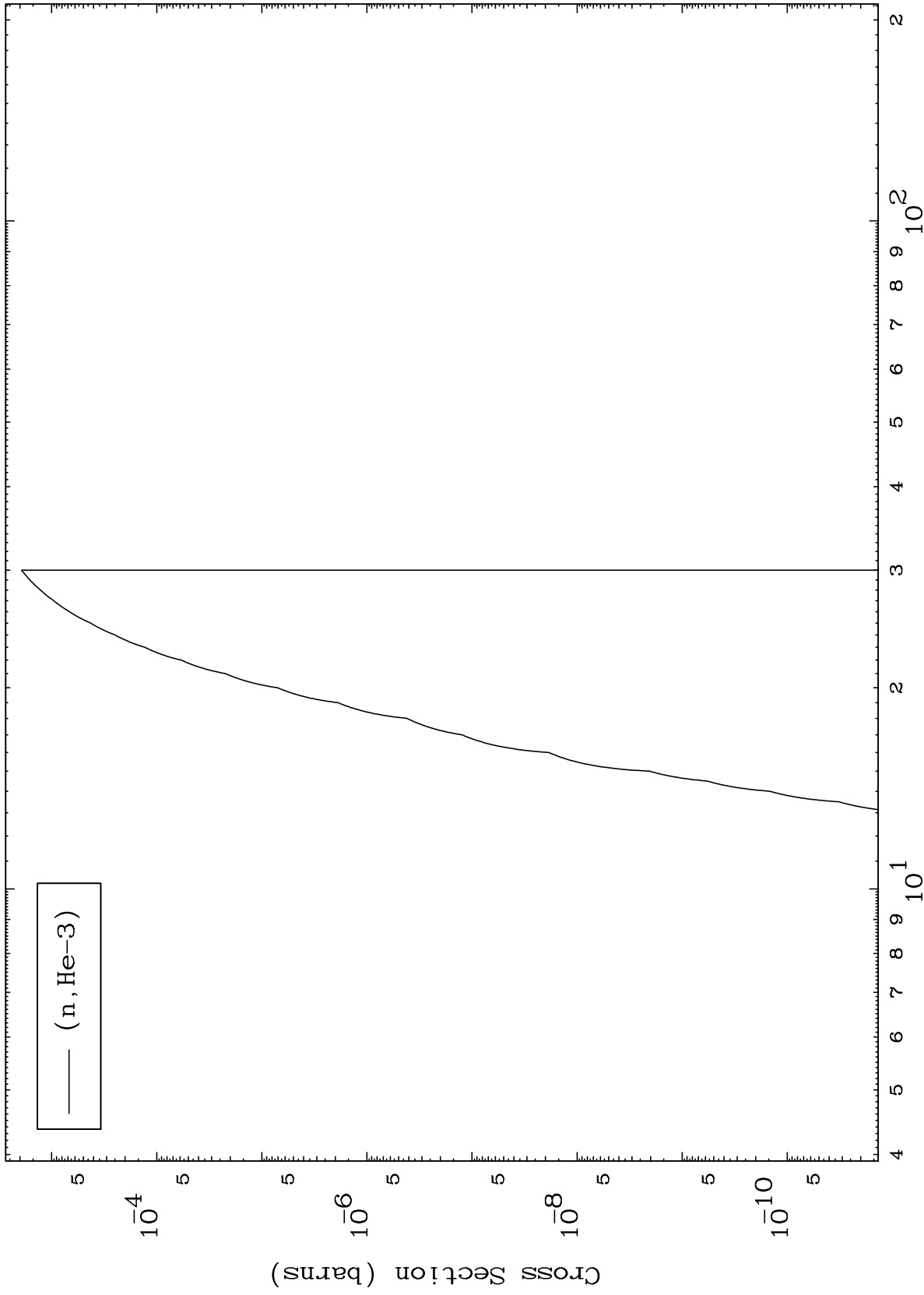
12

60-Nd-141

MAT 6022

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-141



13

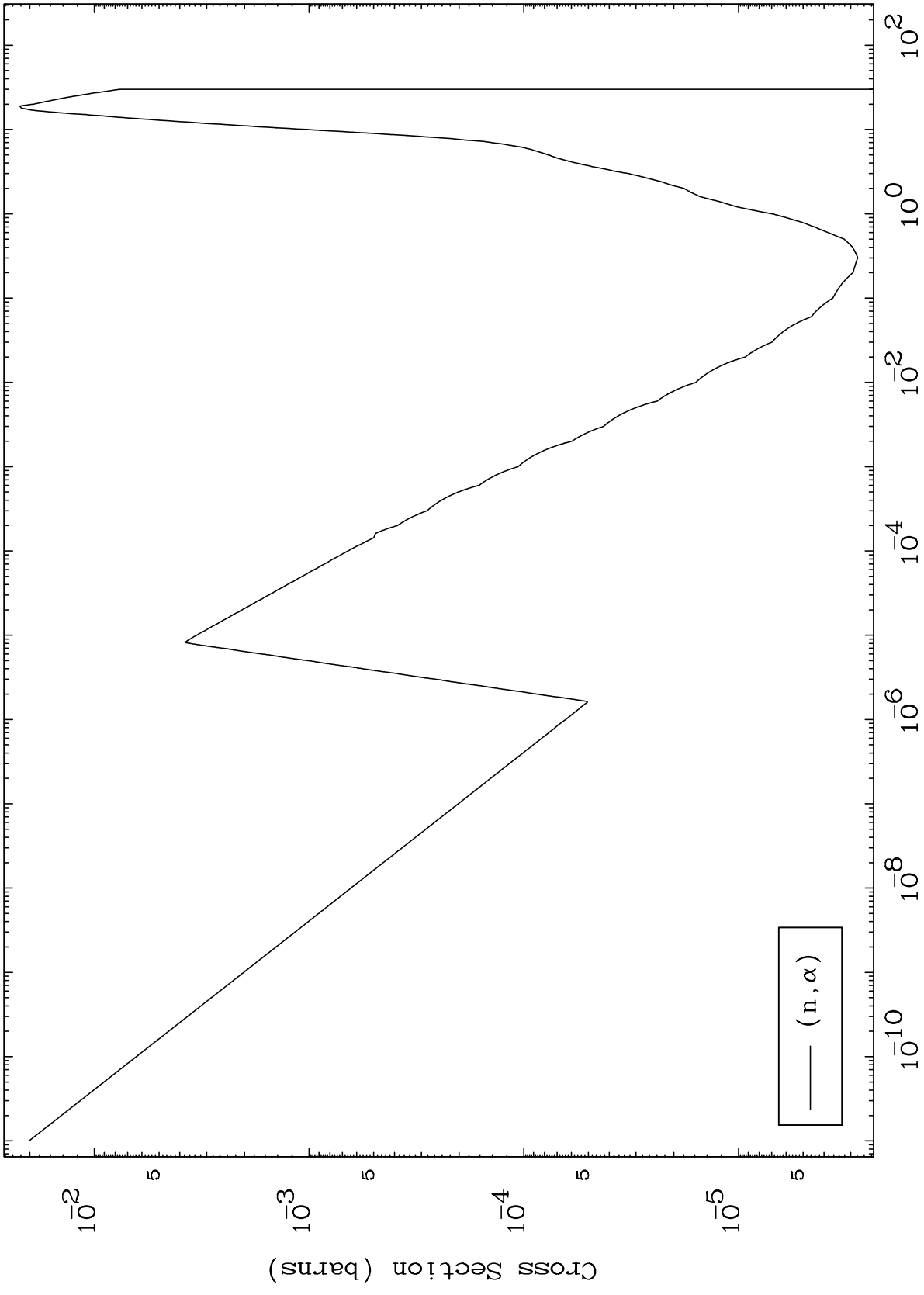
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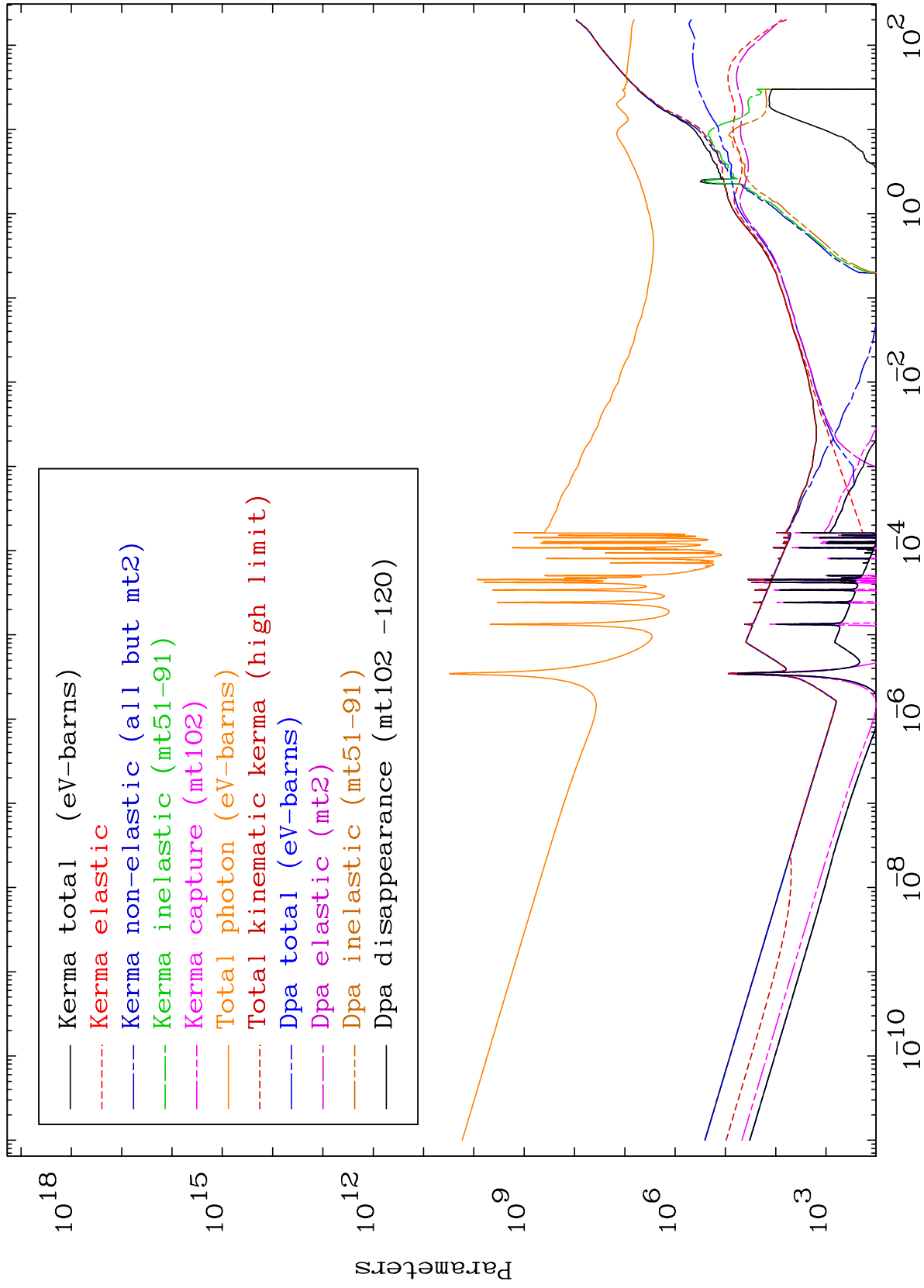
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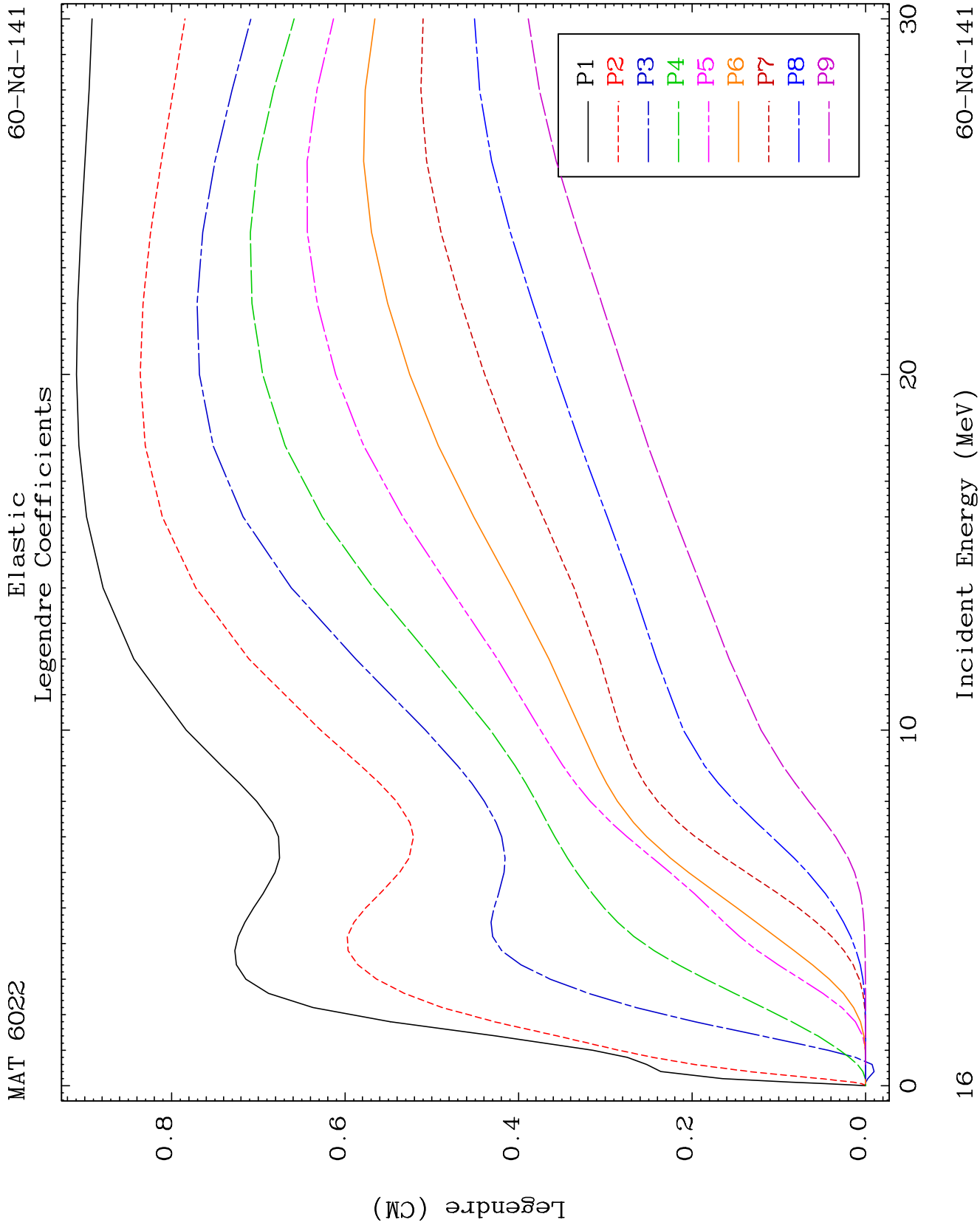
MAT 6022

(n, α) Levels
293 Kelvin Cross Sections

60-Nd-141



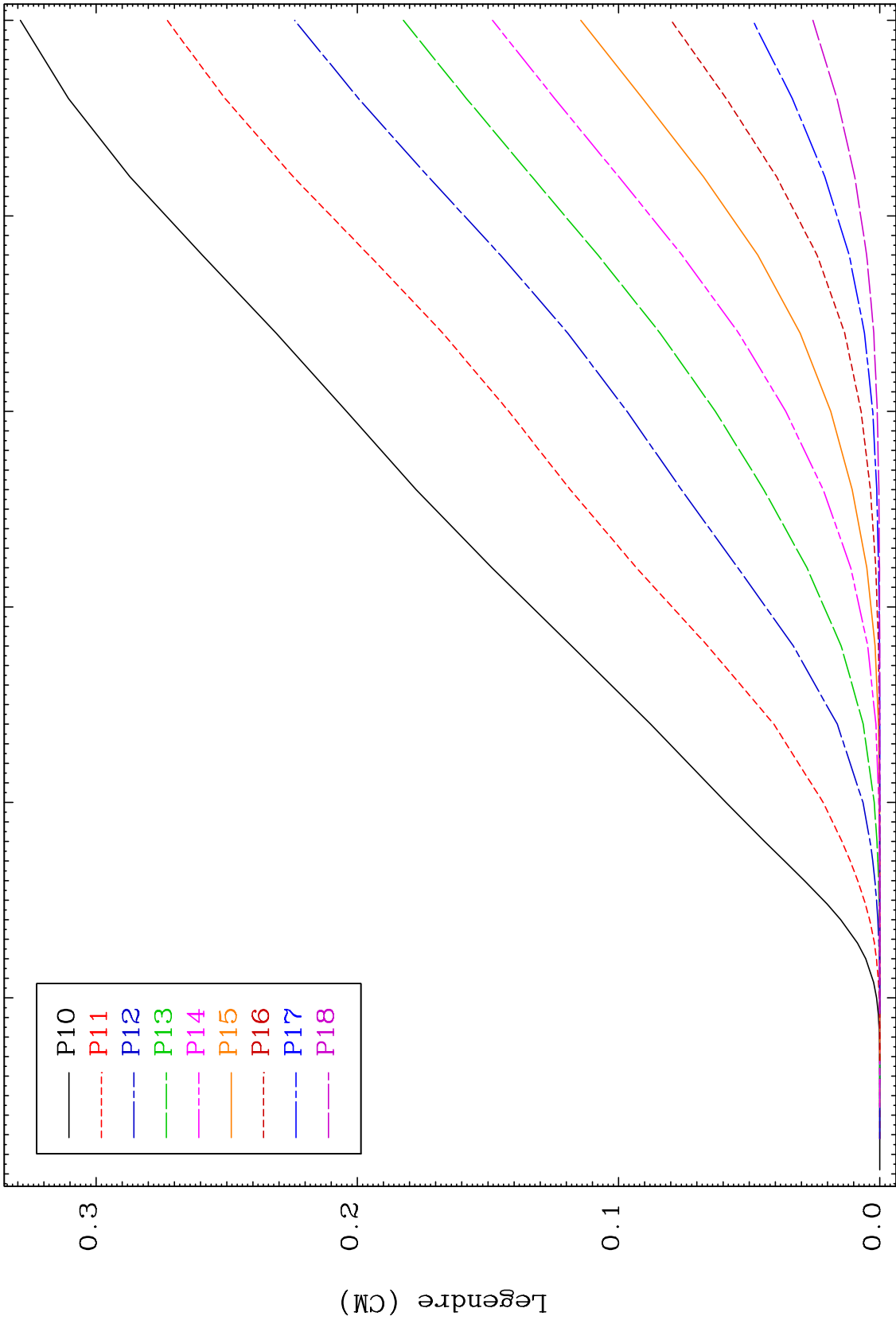




MAT 6022

Elastic Legendre Coefficients

60-Nd-141



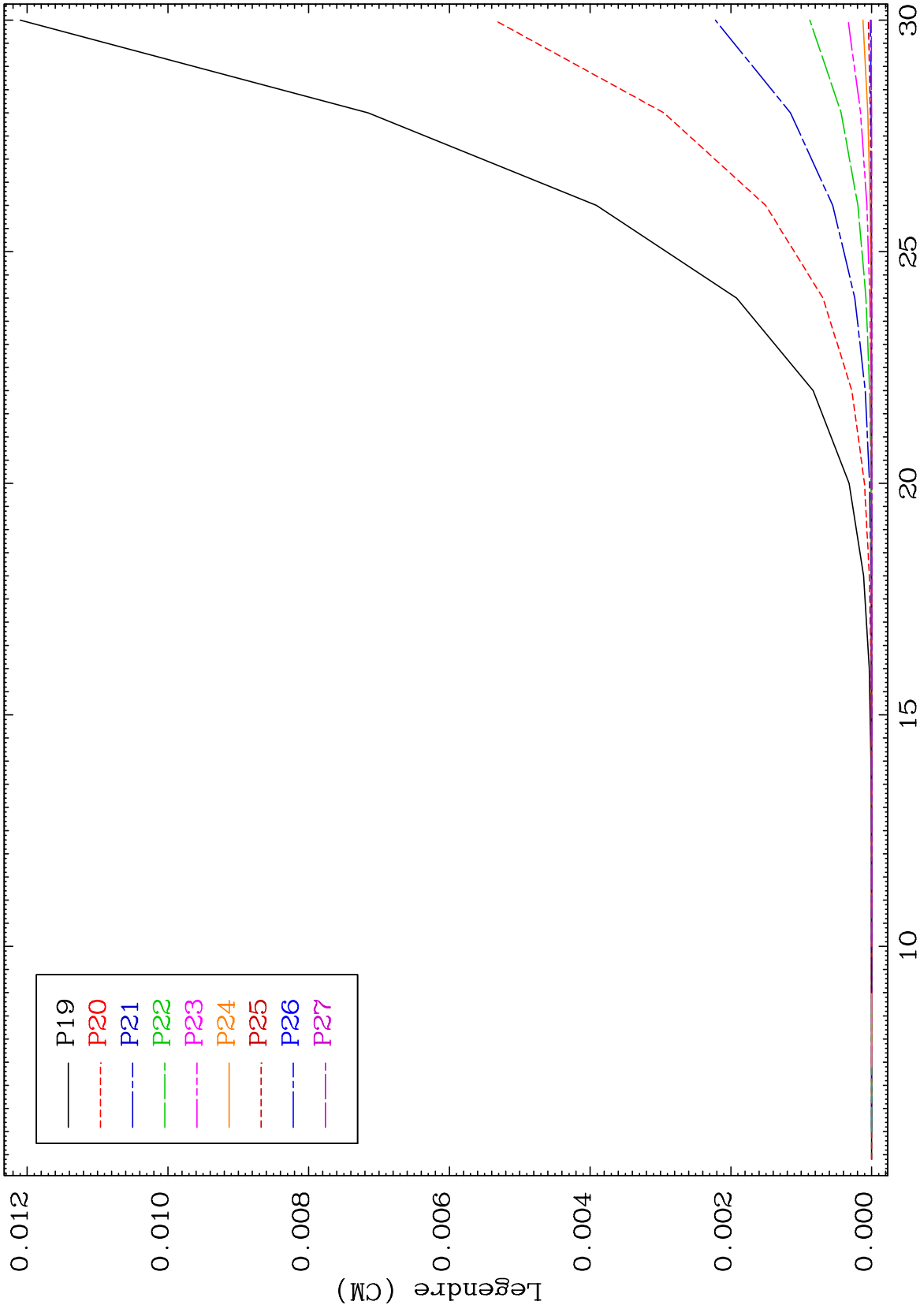
17

60-Nd-141

MAT 6022

Elastic Legendre Coefficients

60-Nd-141



18

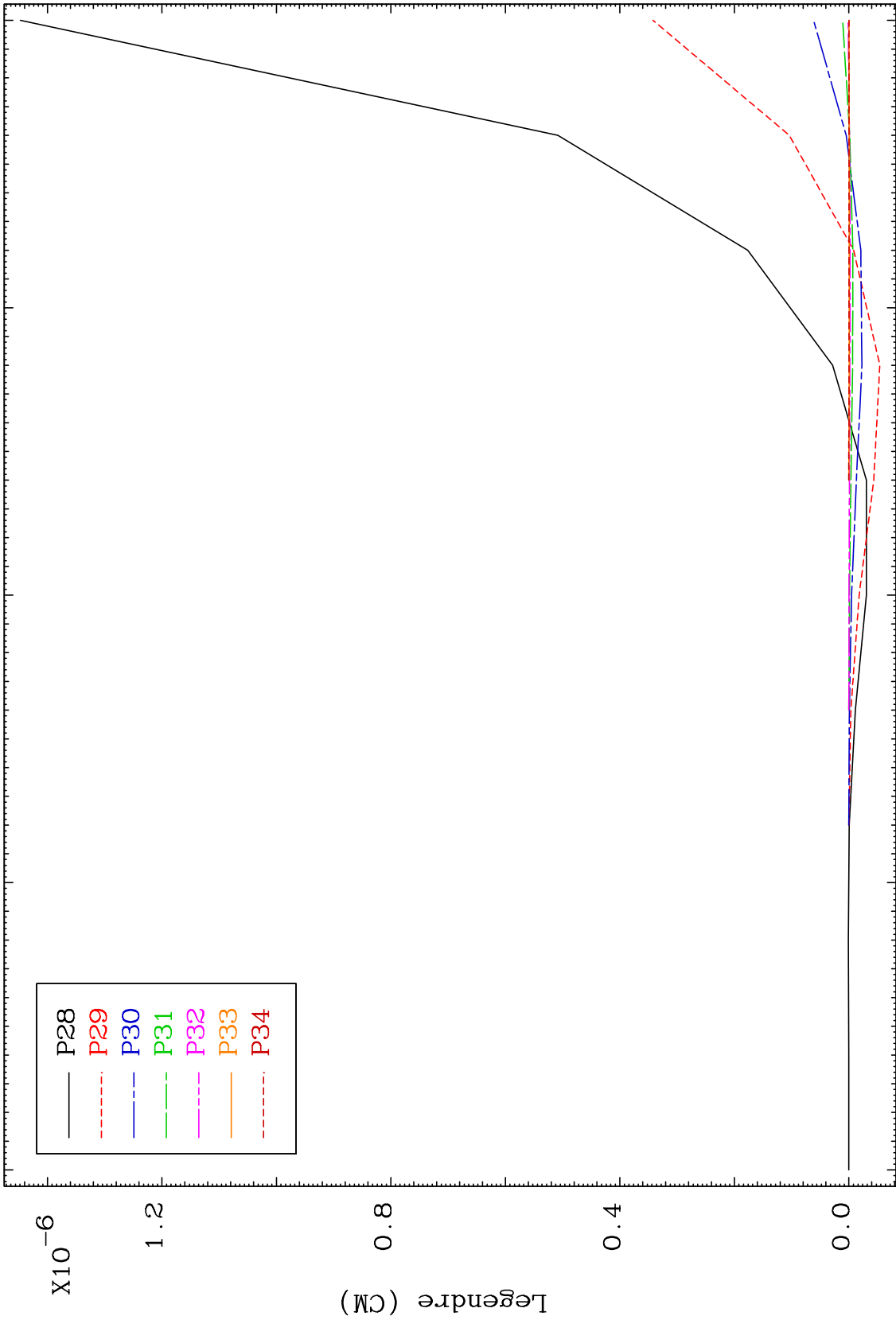
Incident Energy (MeV)

60-Nd-141

MAT 6022

Elastic
Legendre Coefficients

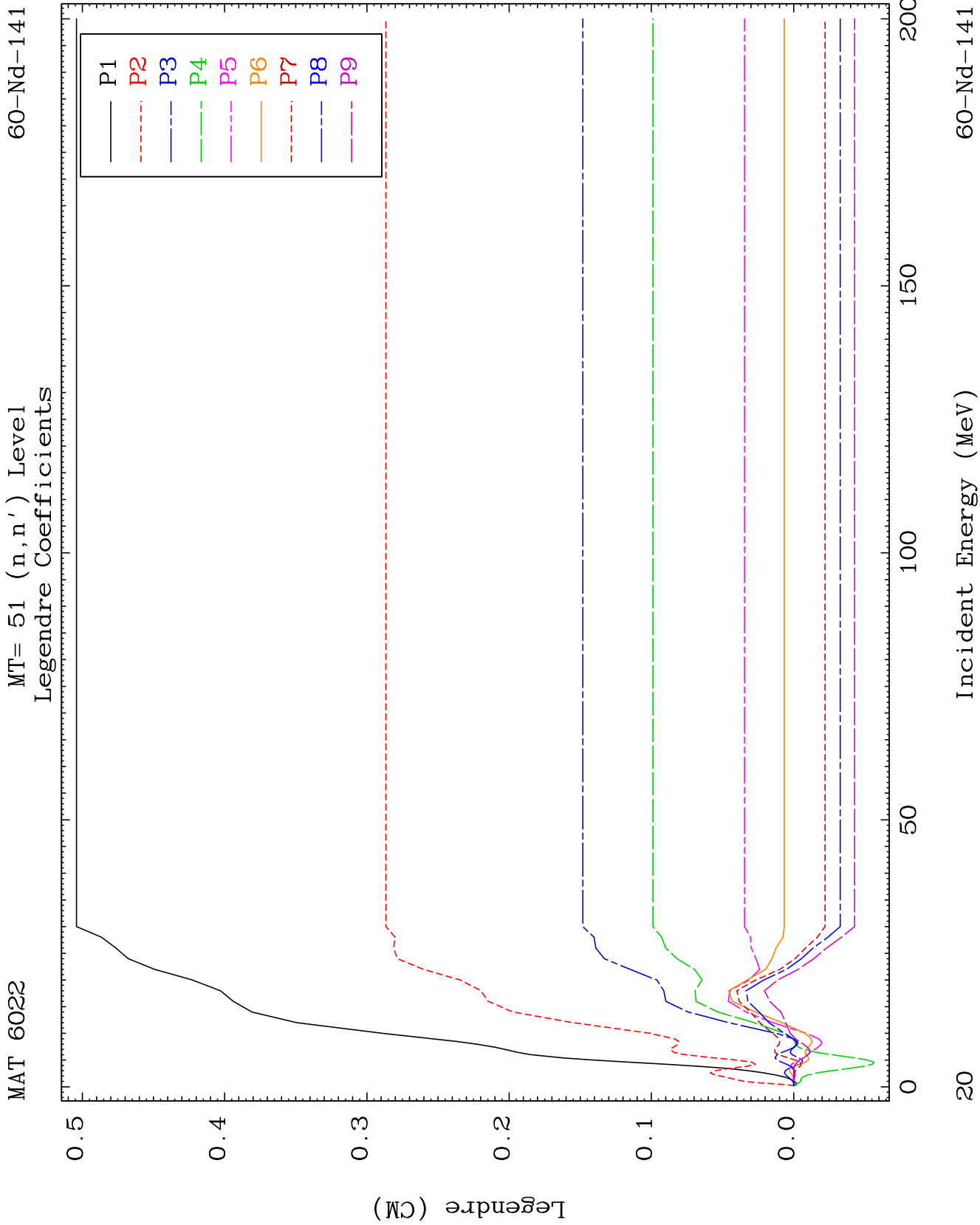
60-Nd-141



19

Incident Energy (MeV)

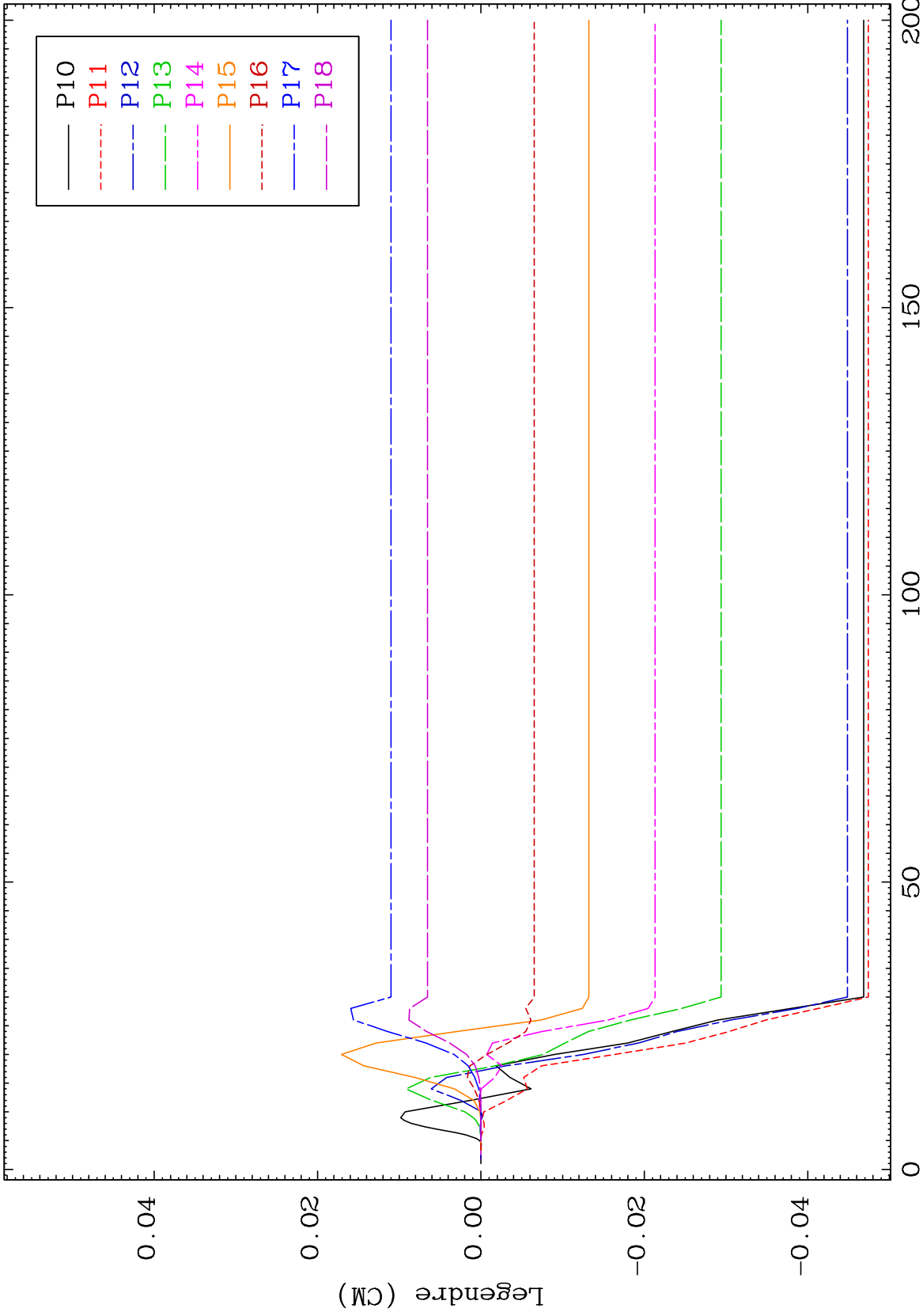
60-Nd-141



MAT 6022

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

60-Nd-141



21

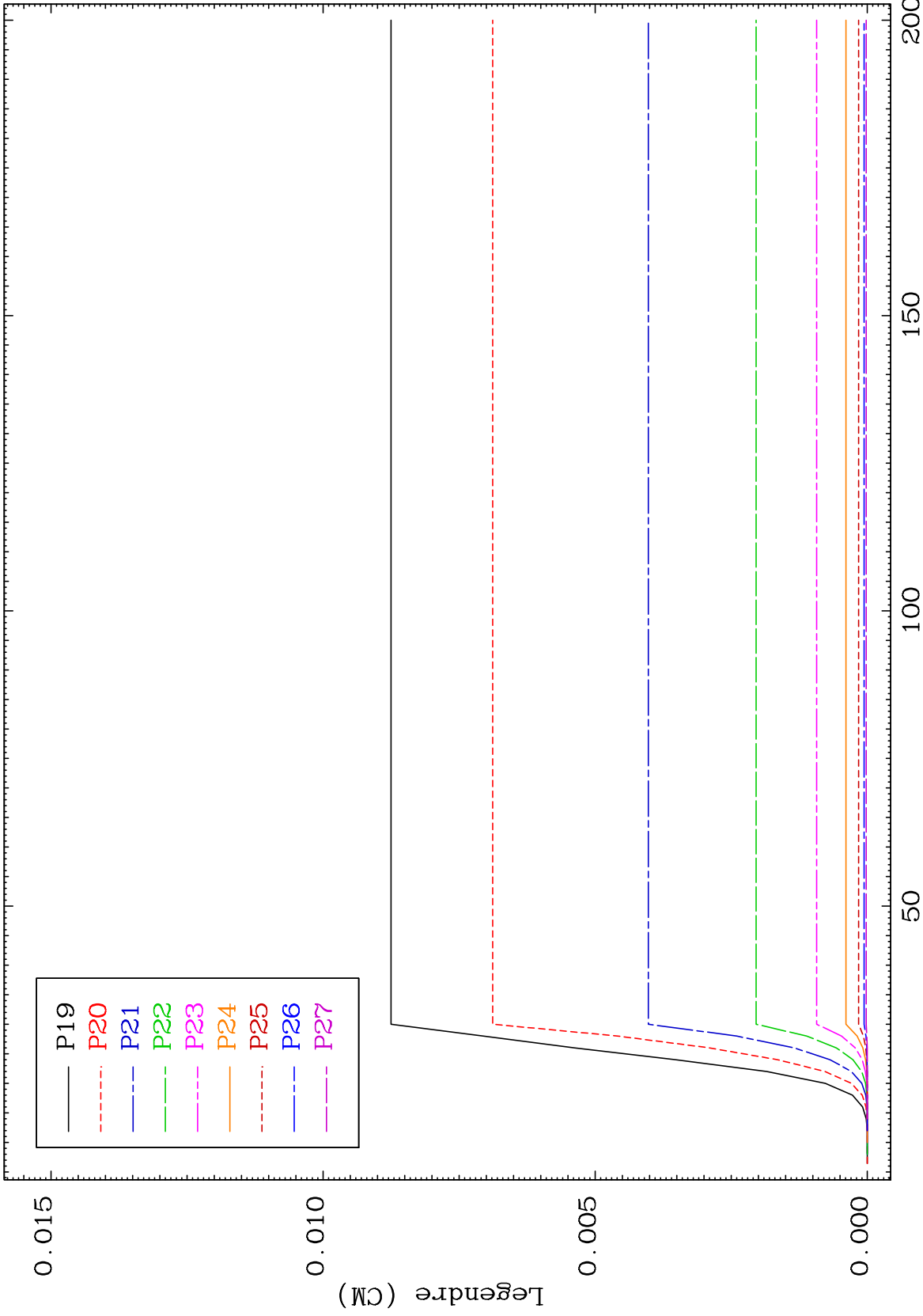
Incident Energy (MeV)

60-Nd-141

MAT 6022

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

60-Nd-141



22

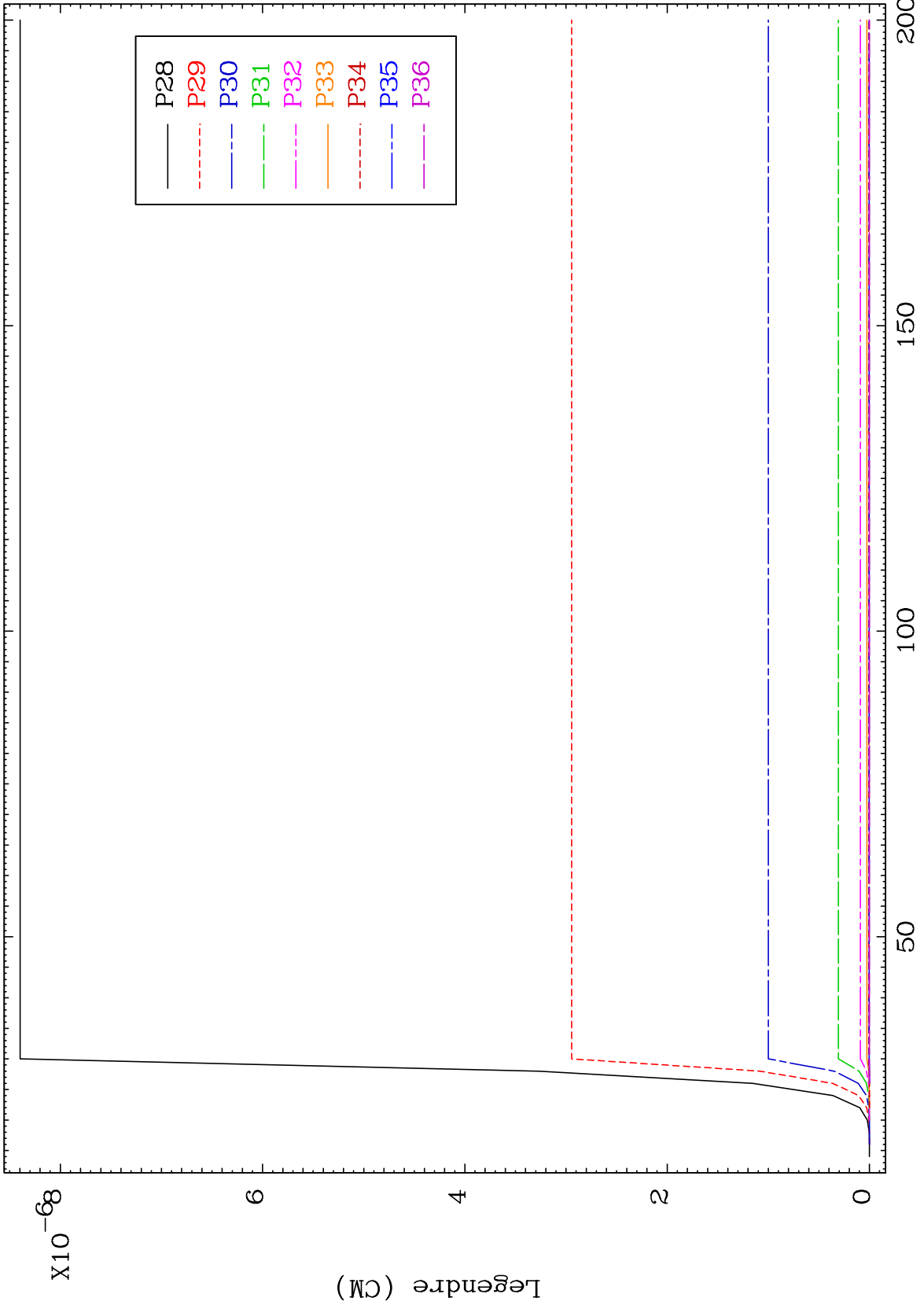
Incident Energy (MeV)

60-Nd-141

MAT 6022

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

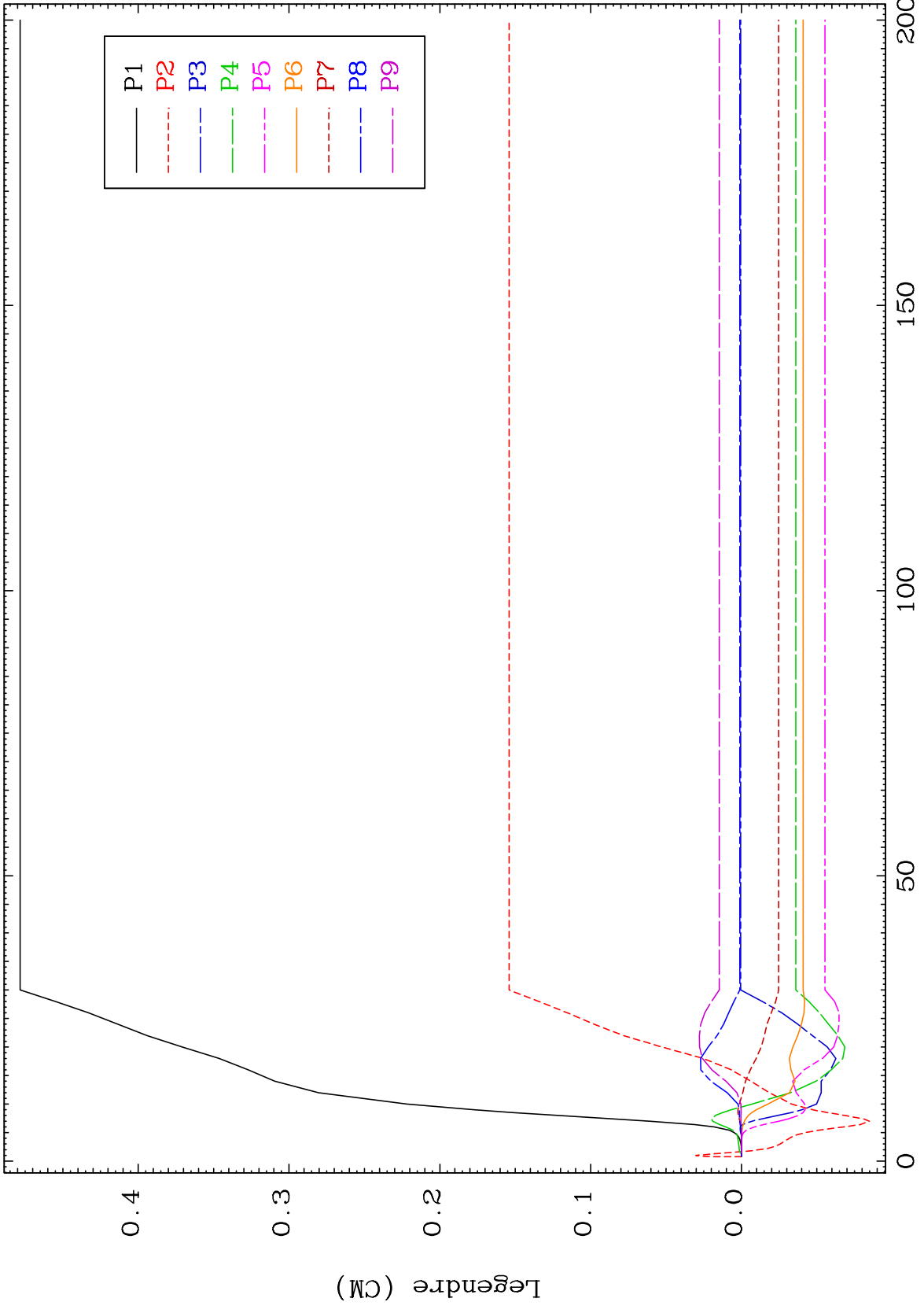
60-Nd-141



23

60-Nd-141

MAT 6022 MT= 52 (n,n') Level Legendre Coefficients 60-Nd-141

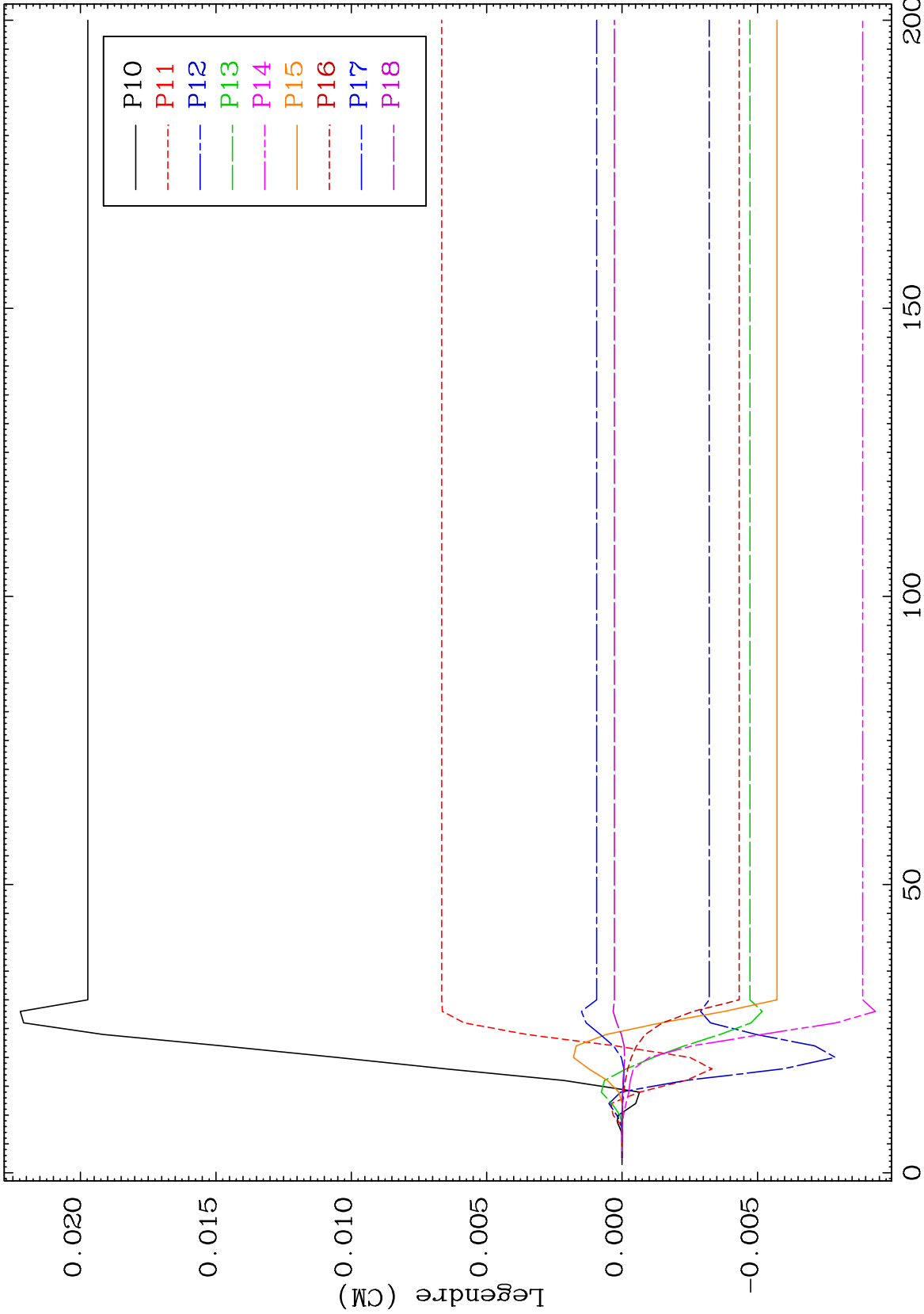


24 60-Nd-141

MAT 6022

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

60-Nd-141



25

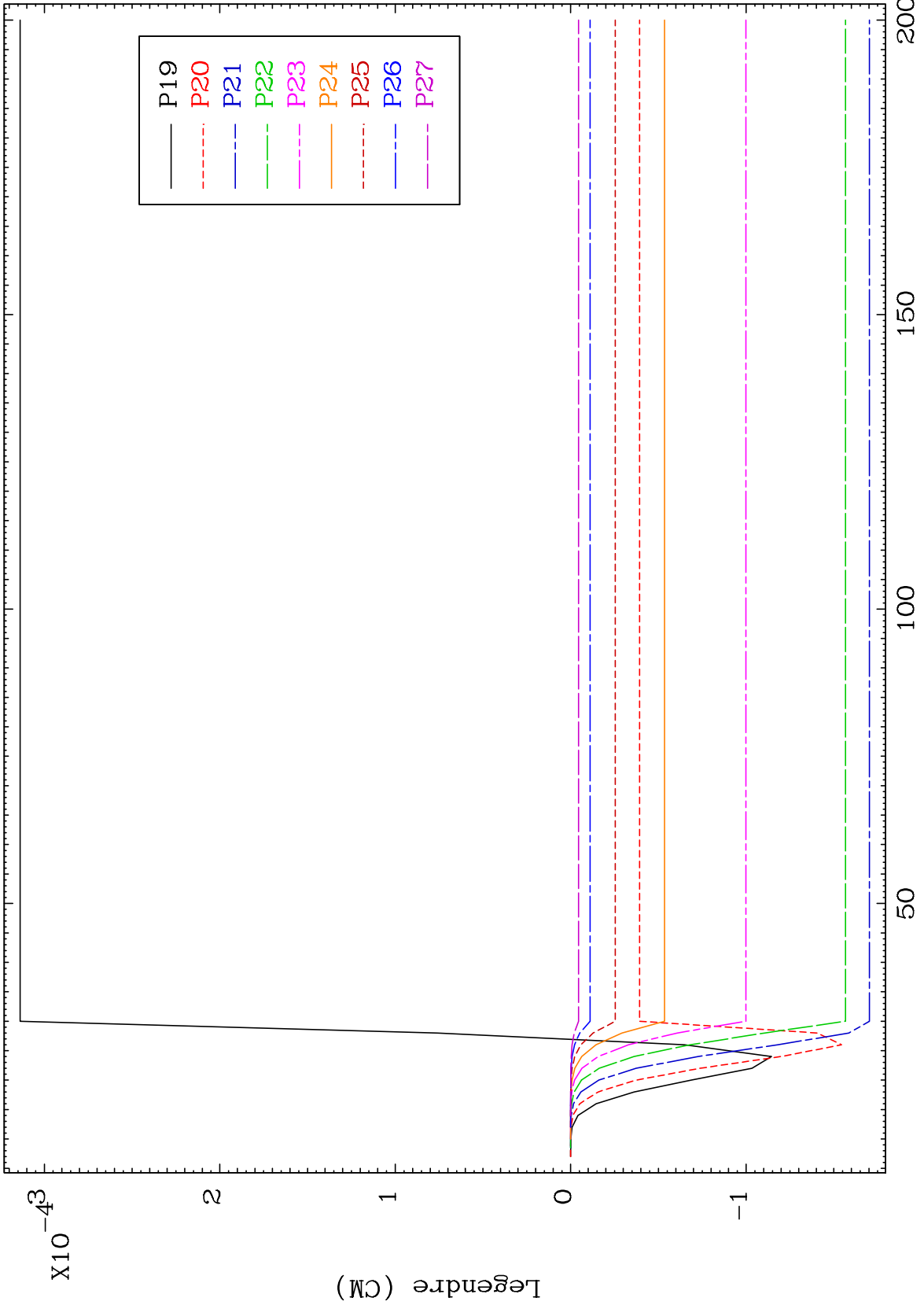
Incident Energy (MeV)

60-Nd-141

MAT 6022

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

60-Nd-141



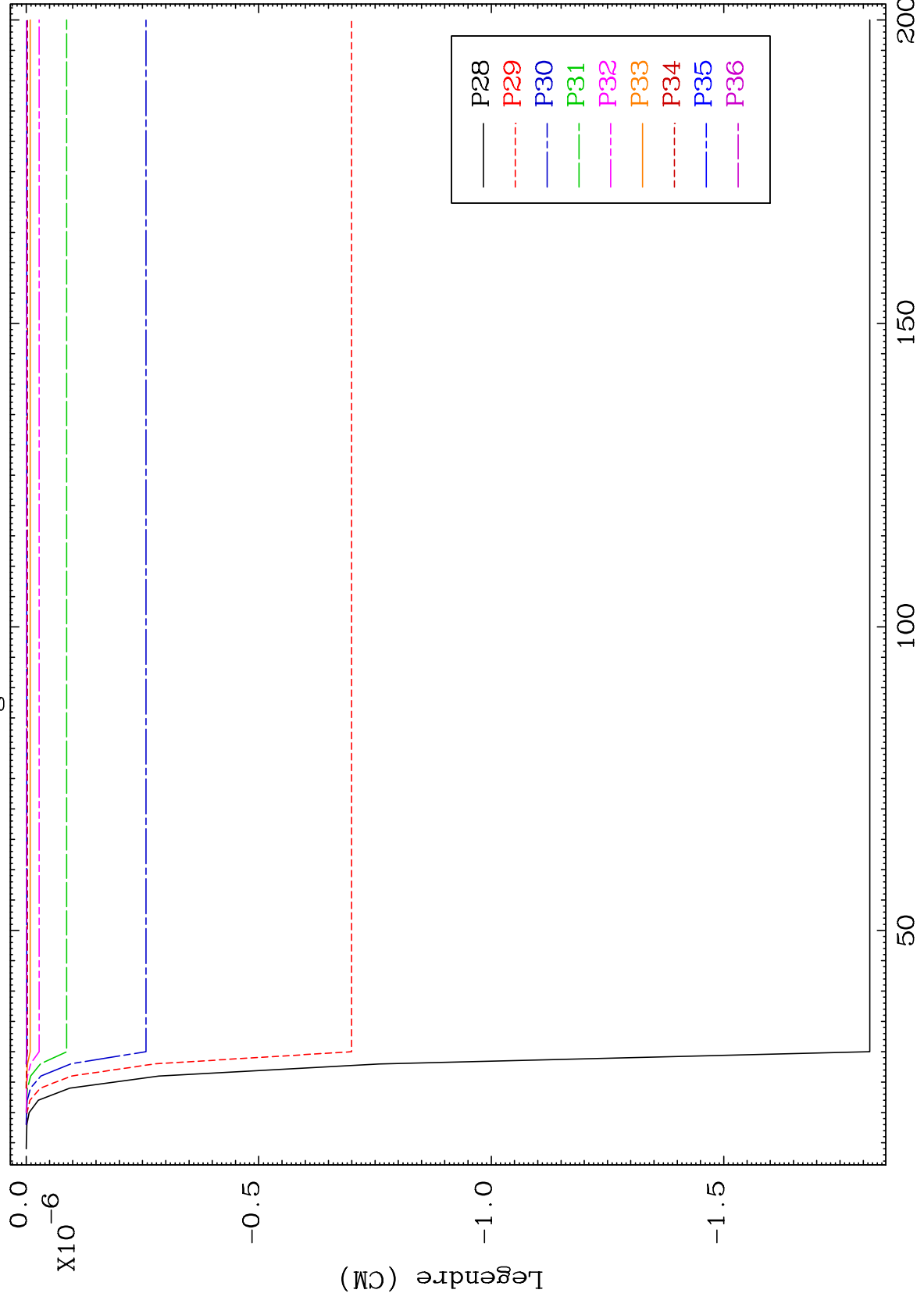
26

60-Nd-141

MAT 6022

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

60-Nd-141

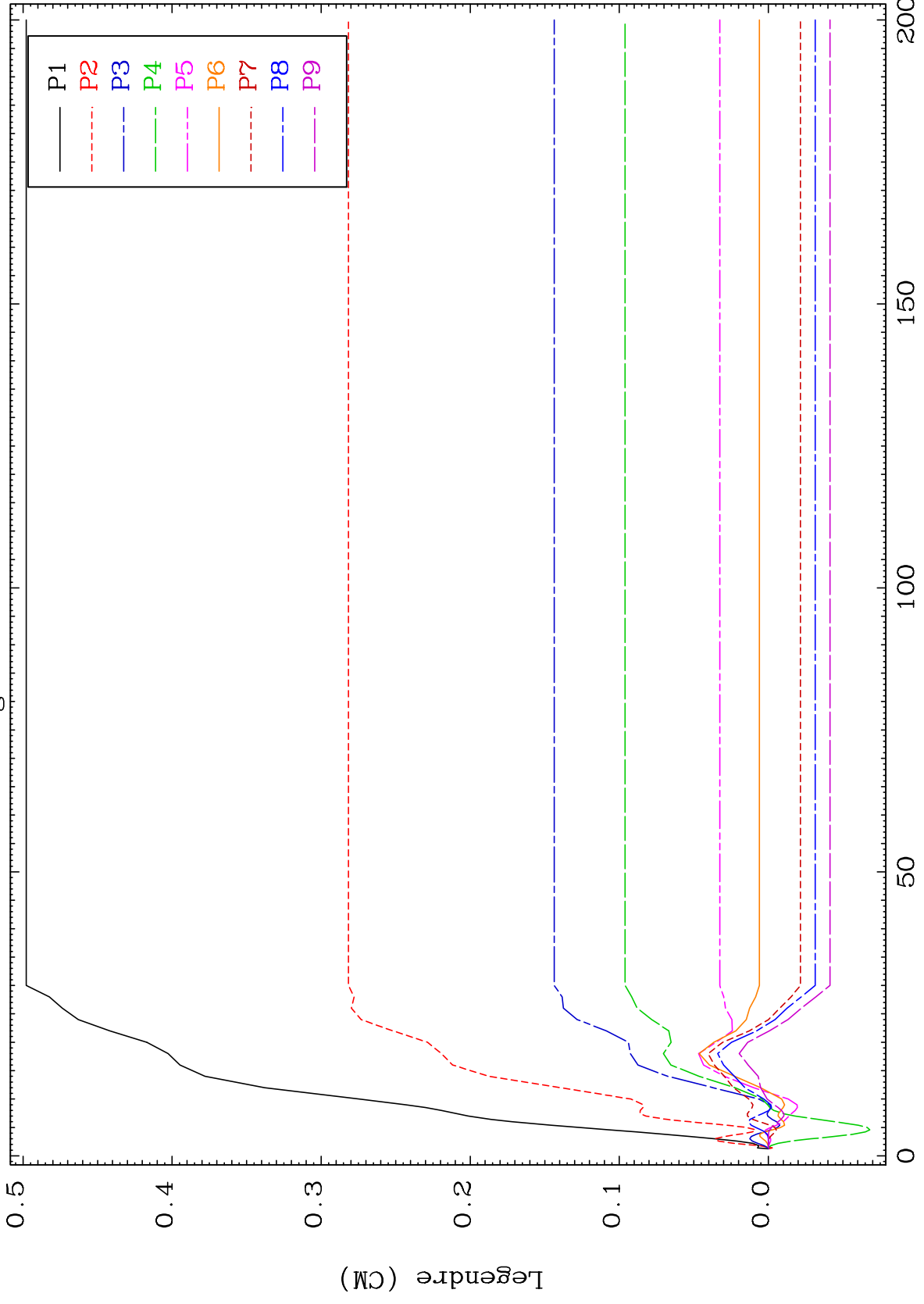


60-Nd-141

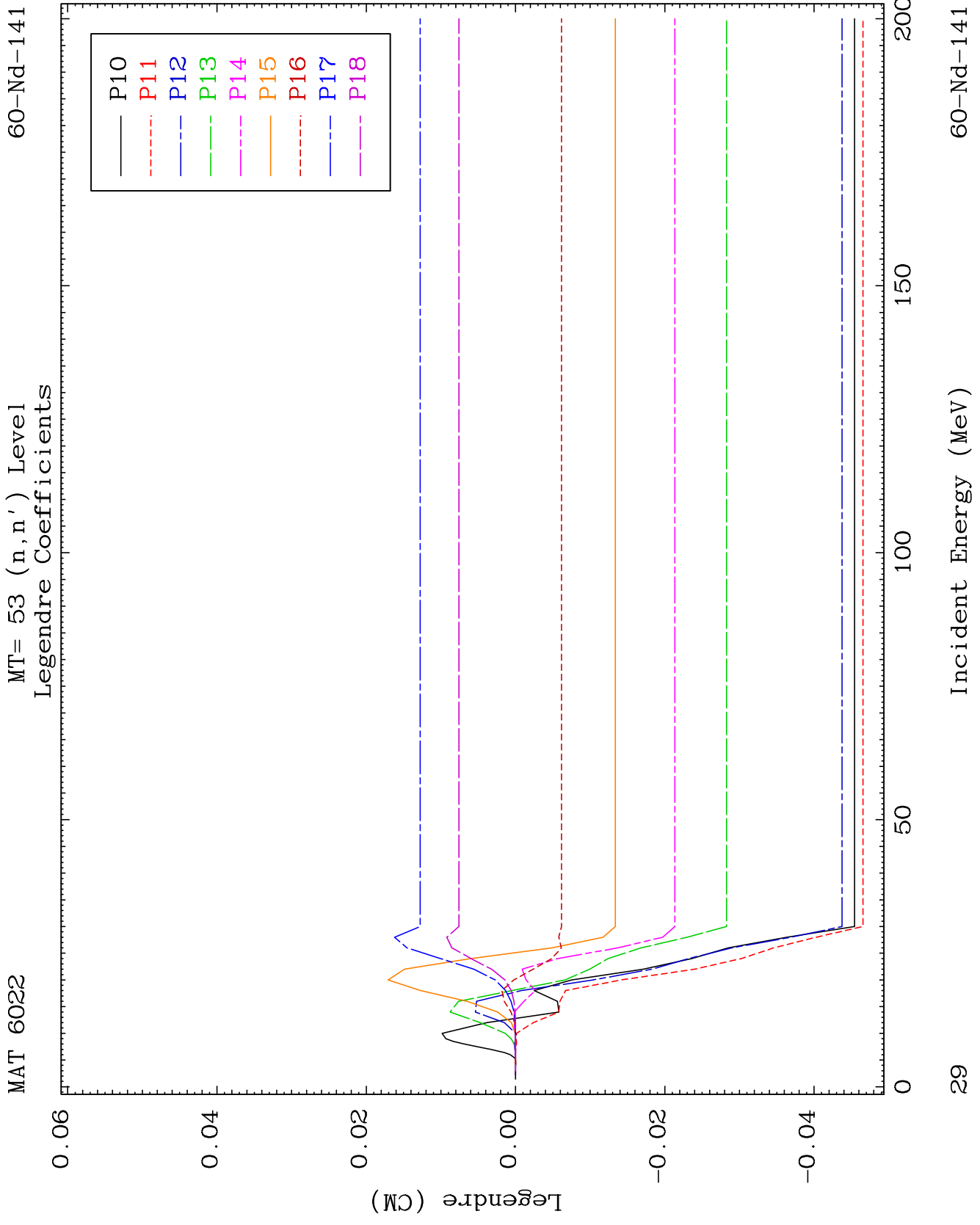
Incident Energy (MeV)

27

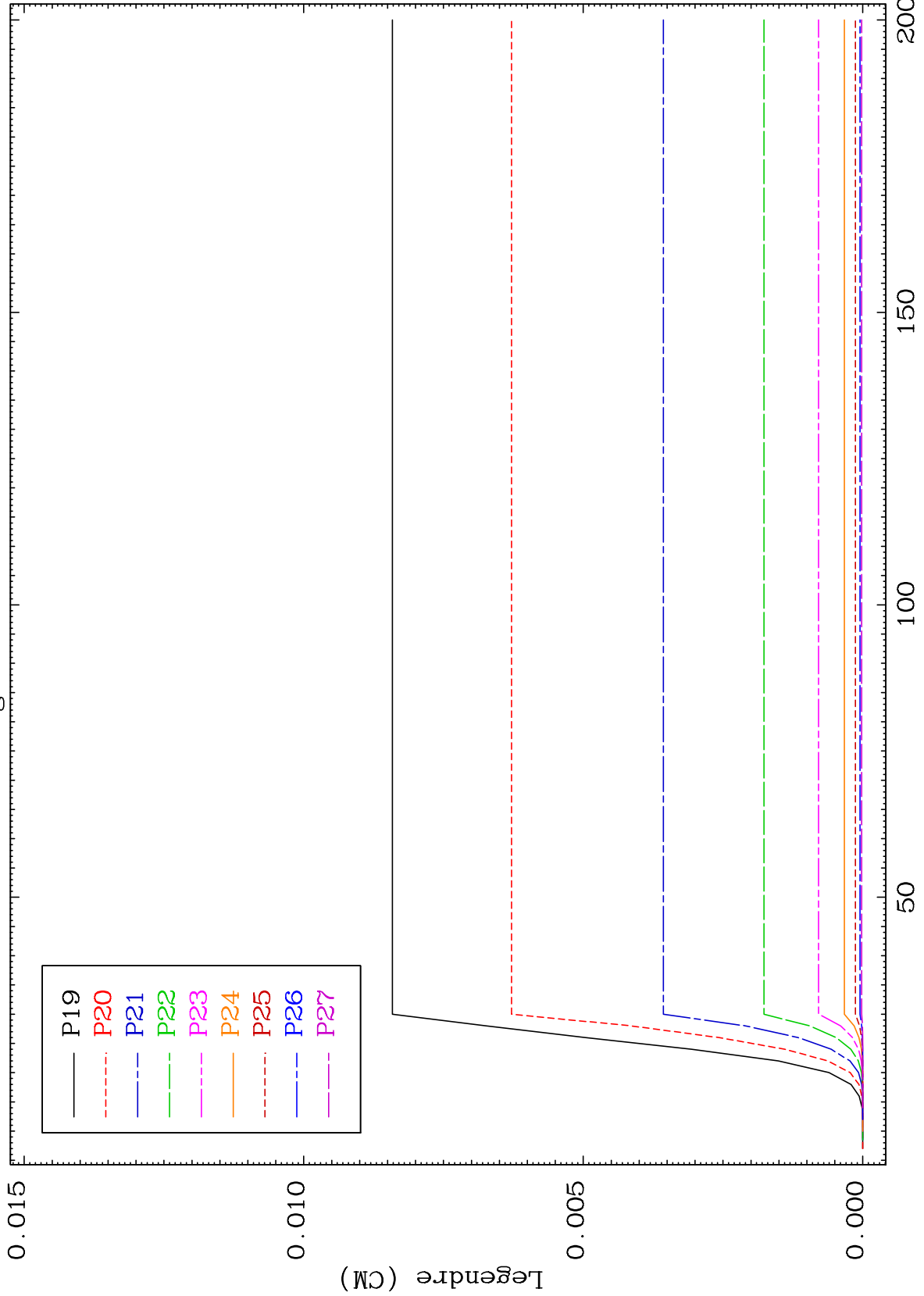
MAT 6022 MT= 53 (n,n') Level Legendre Coefficients 60-Nd-141



28 Incident Energy (MeV) 60-Nd-141



MAT 6022 MT= 53 (n,n') Level Legendre Coefficients 60-Nd-141



60-Nd-141

Incident Energy (MeV)

30

50

100

150

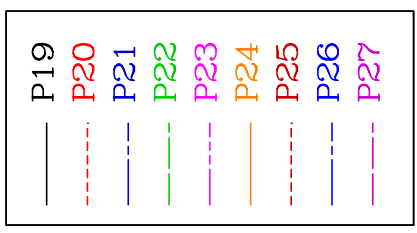
200

0.015

0.010

0.005

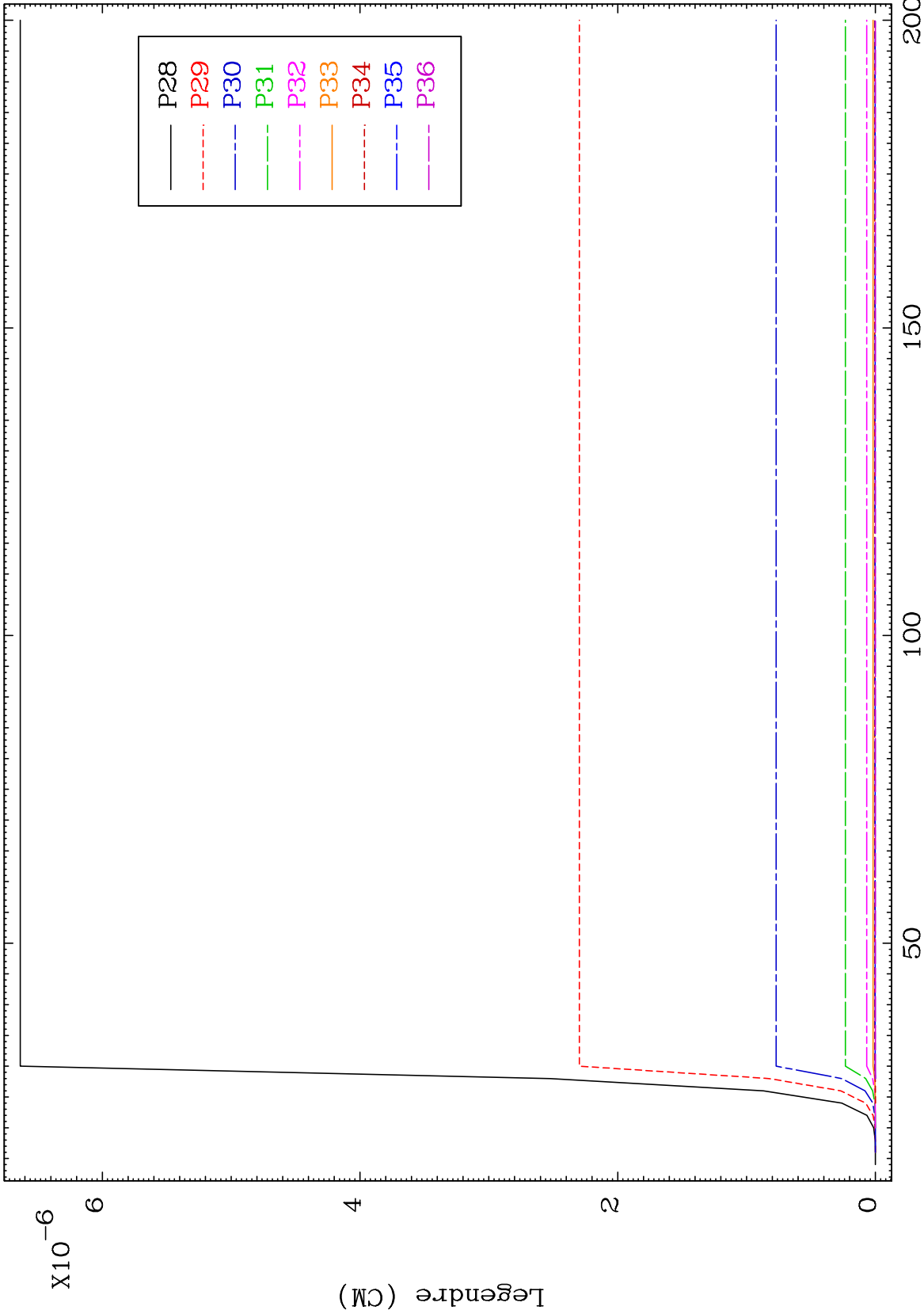
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MAT 6022

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

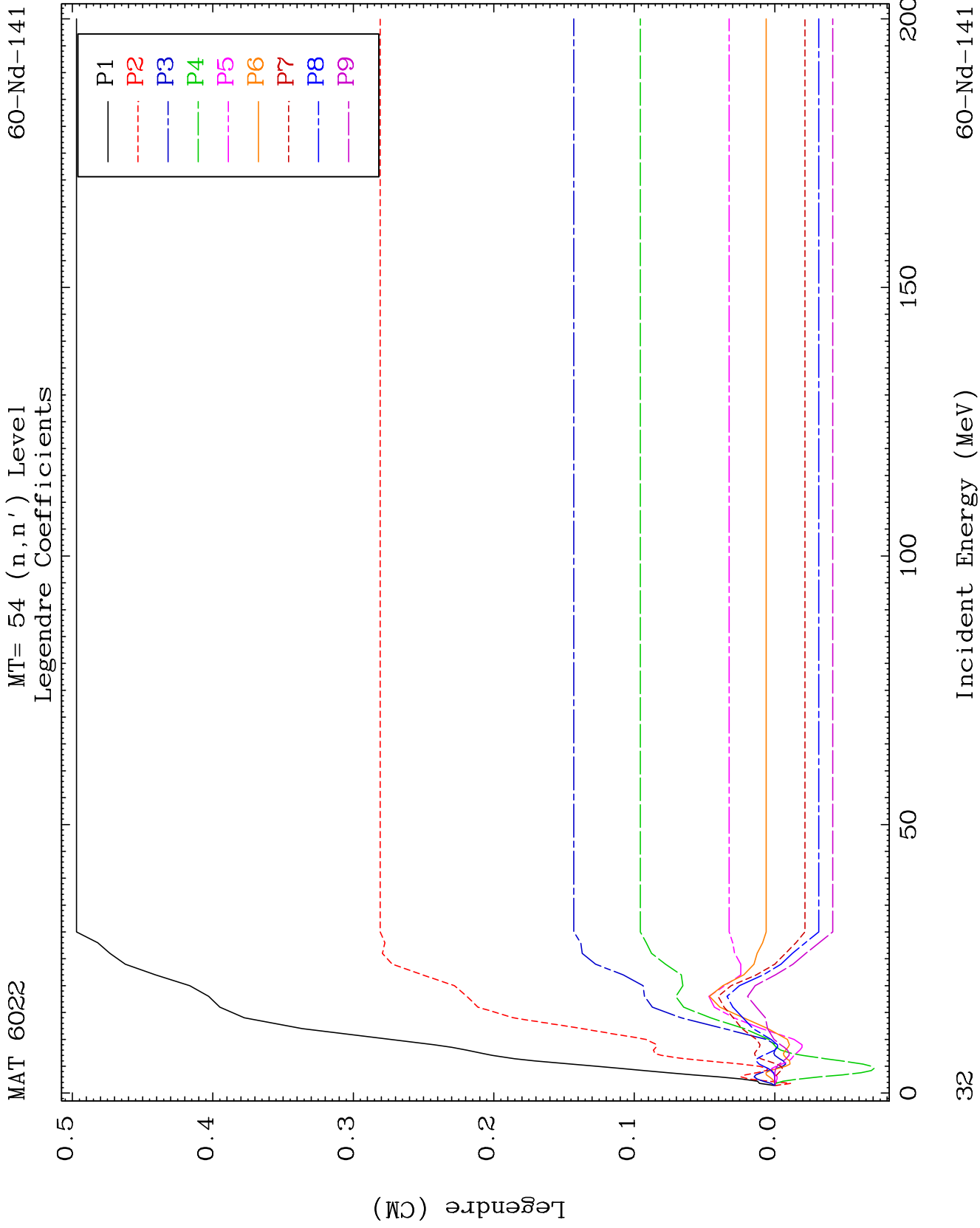
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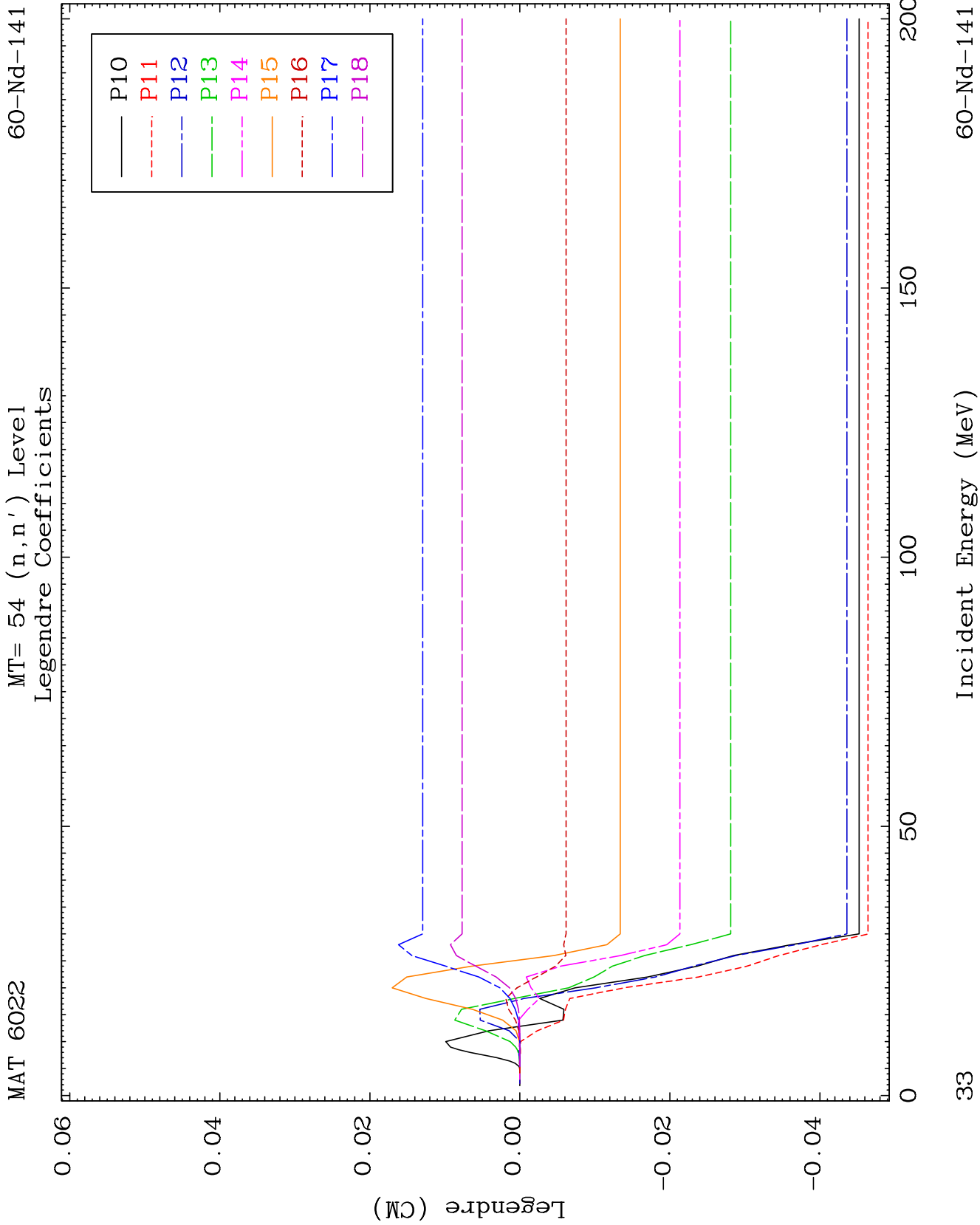


31

Incident Energy (MeV)

60-Nd-141

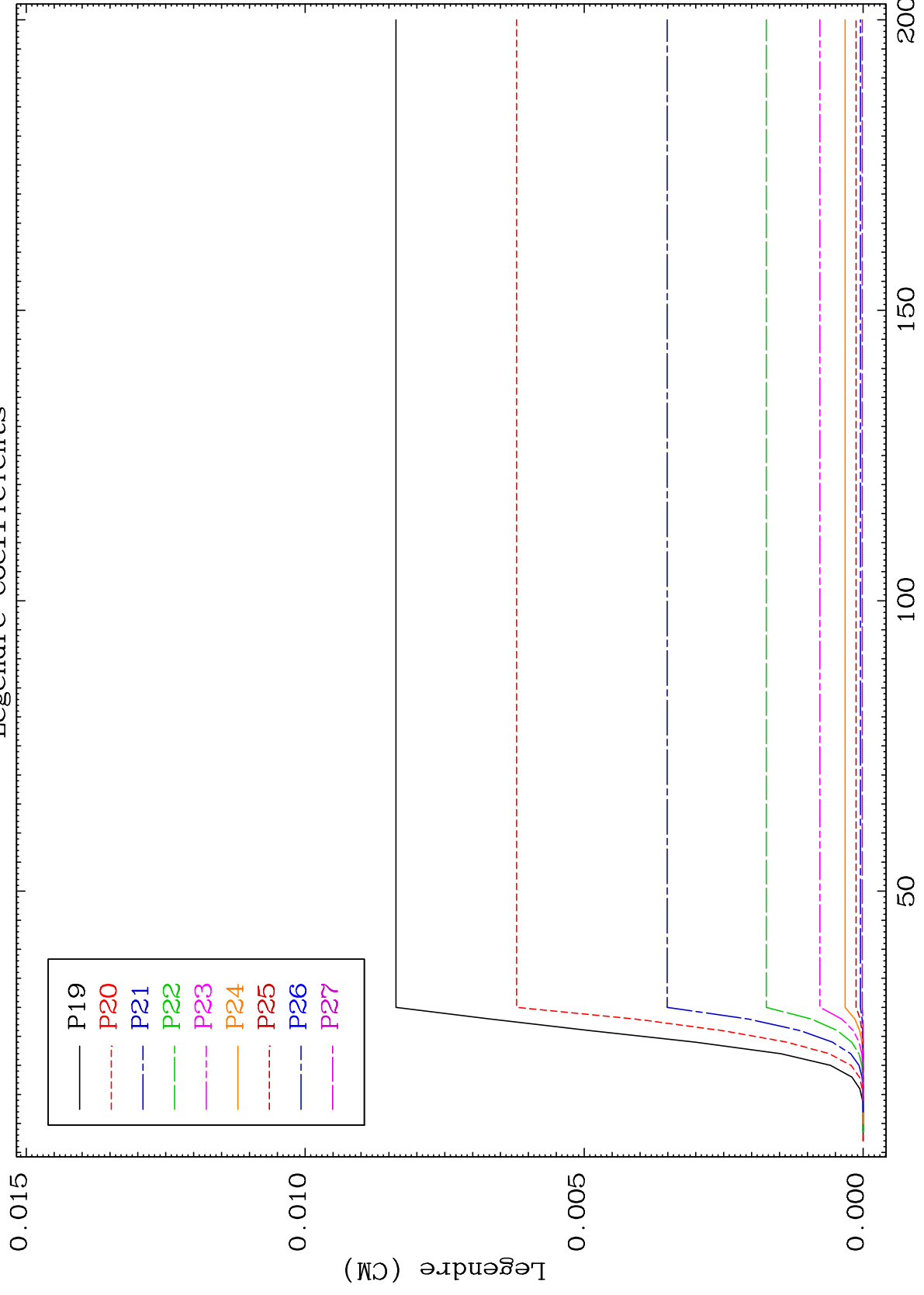




MAT 6022

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

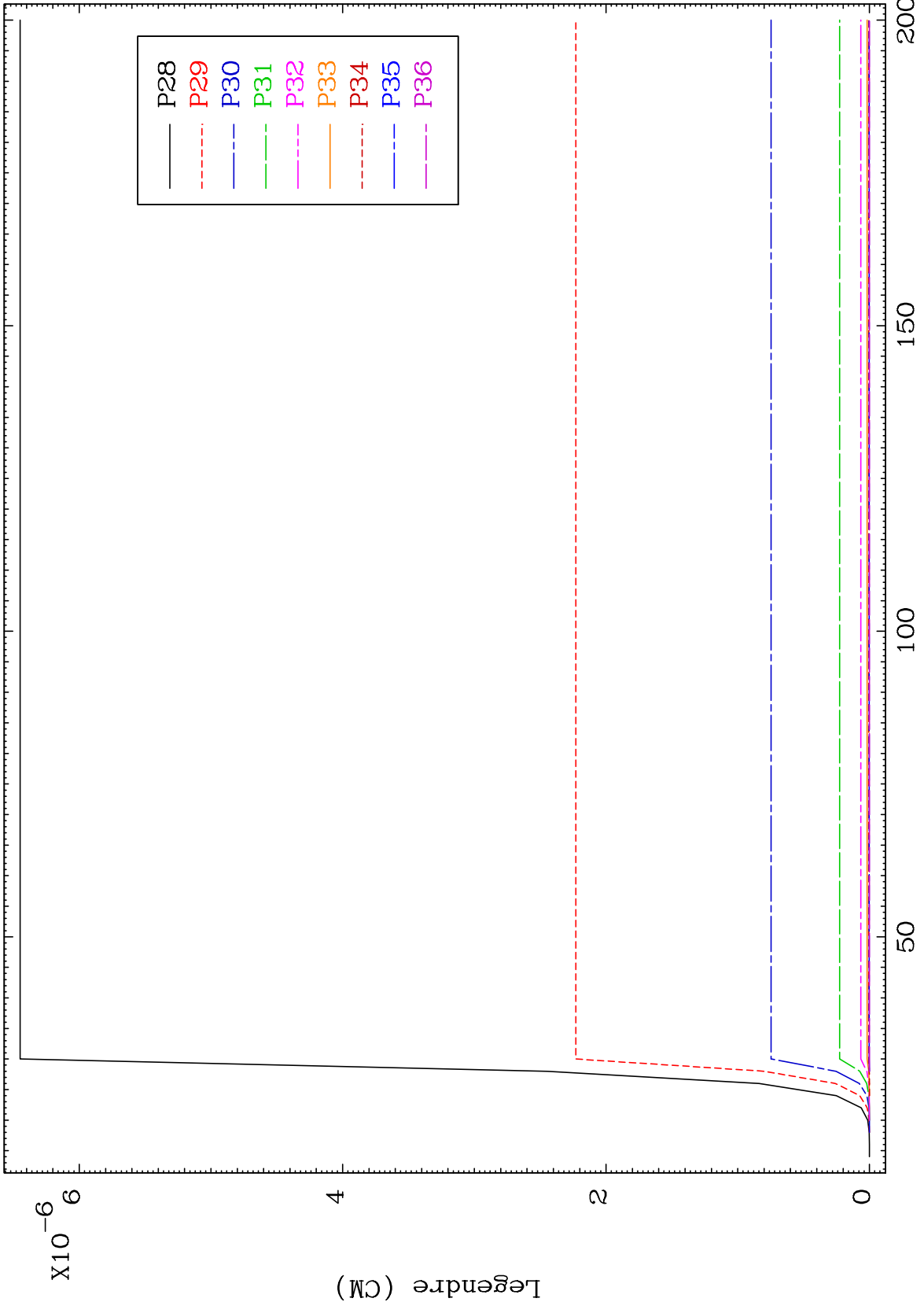
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MAT 6022

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

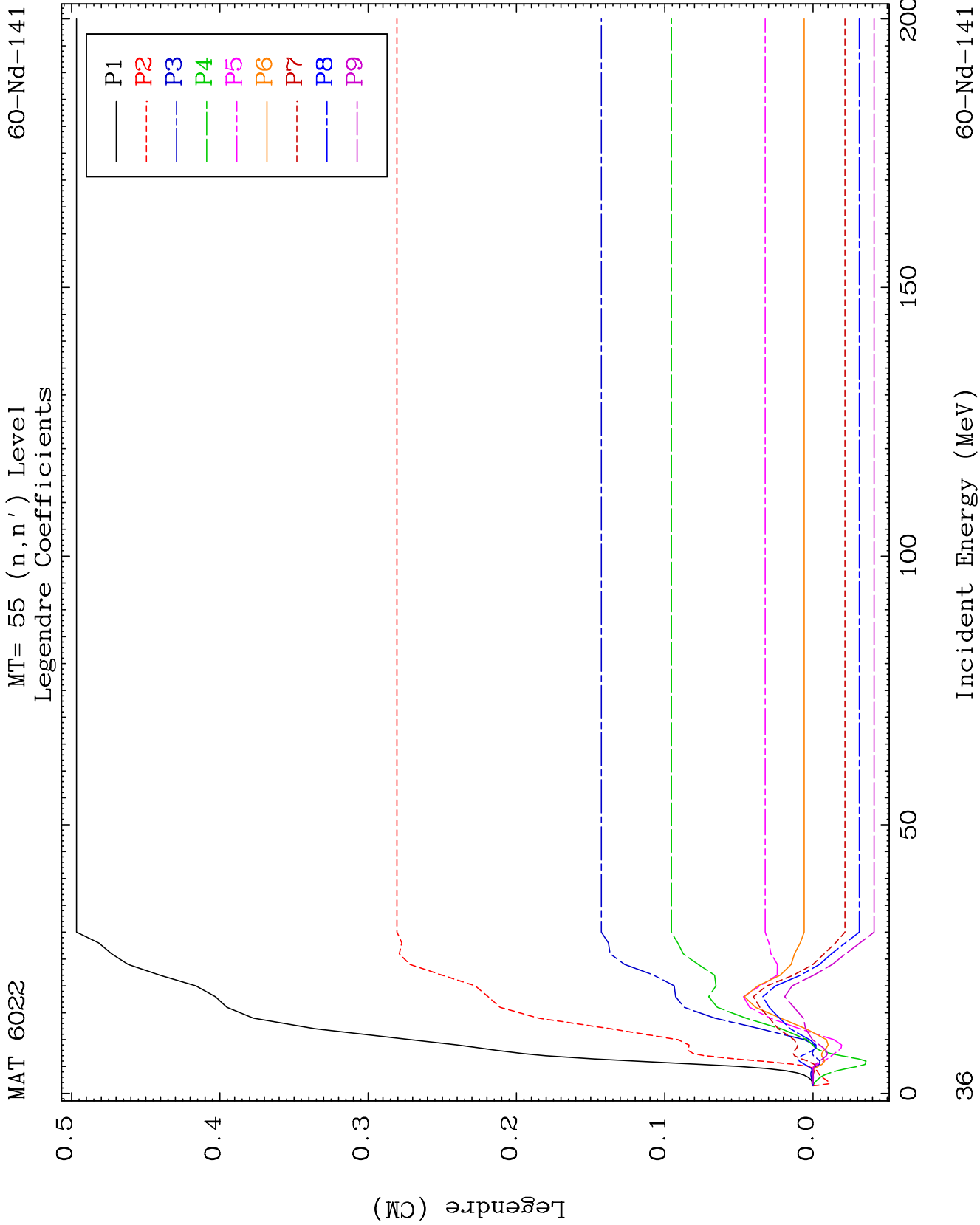
60-Nd-141



35

Incident Energy (MeV)

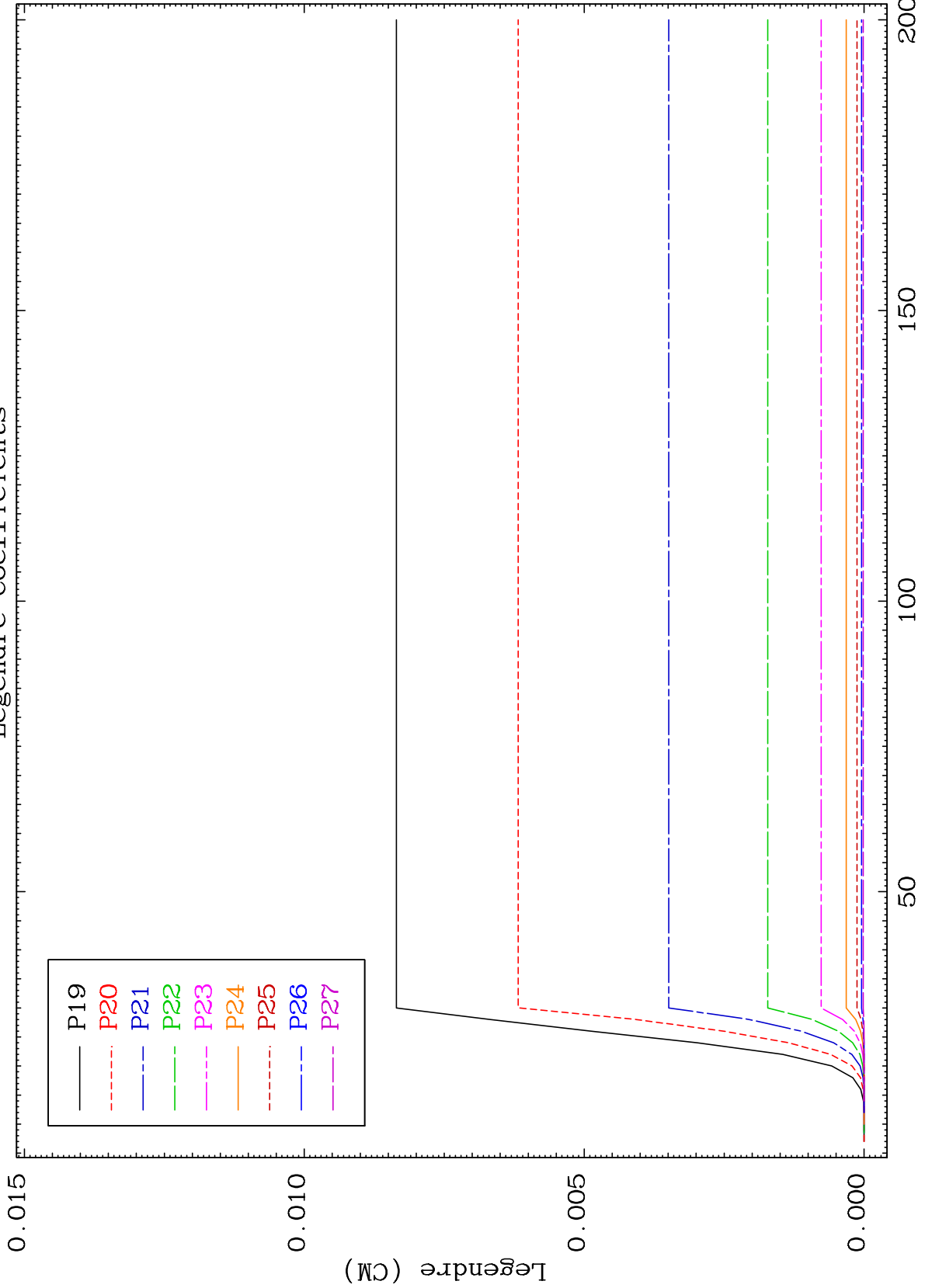
60-Nd-141



MAT 6022 MT= 55 (n,n') Level Legendre Coefficients

60-Nd-141

60-Nd-141

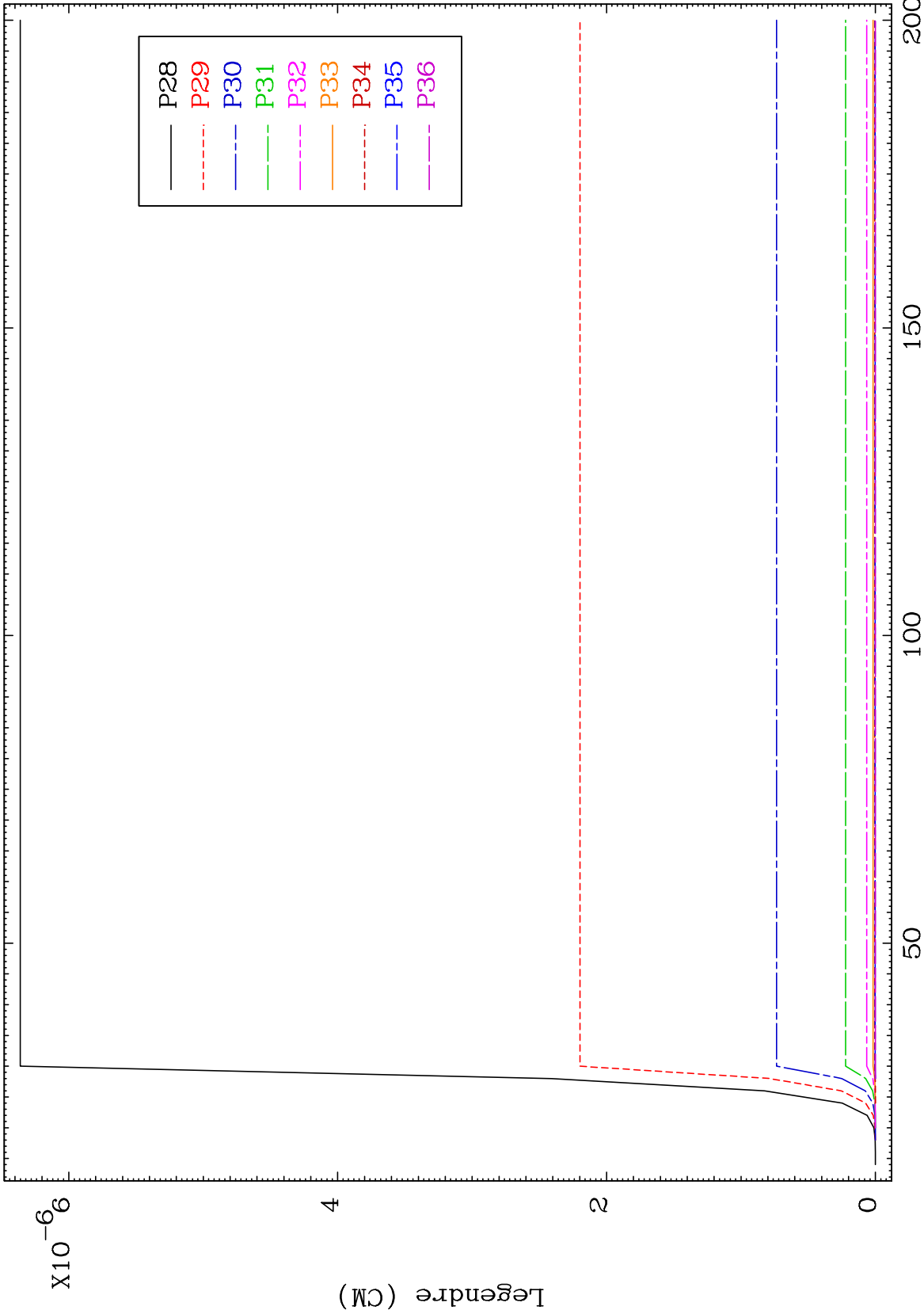


38

MAT 6022

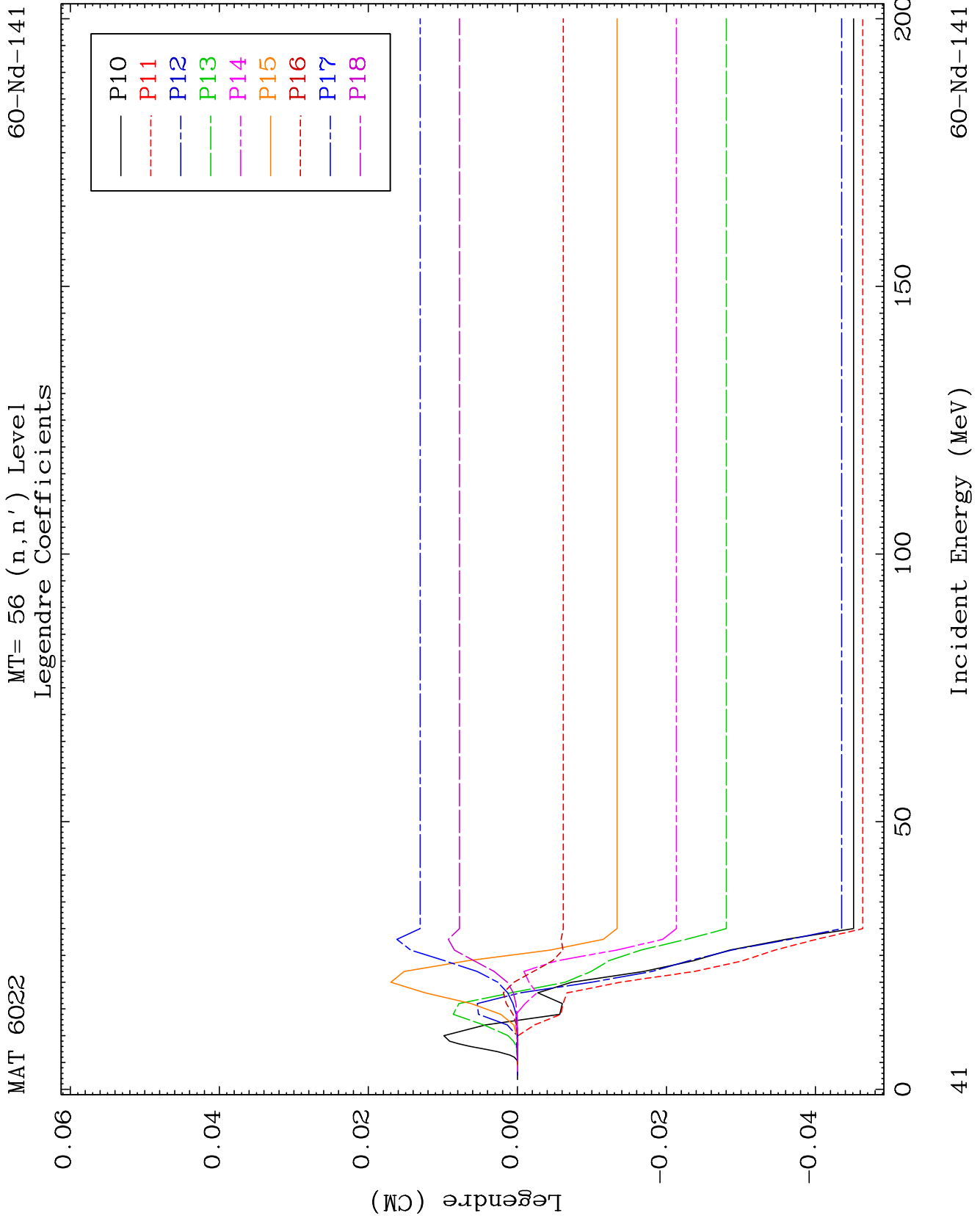
MT= 55 (n,n') Level
Legendre Coefficients

60-Nd-141

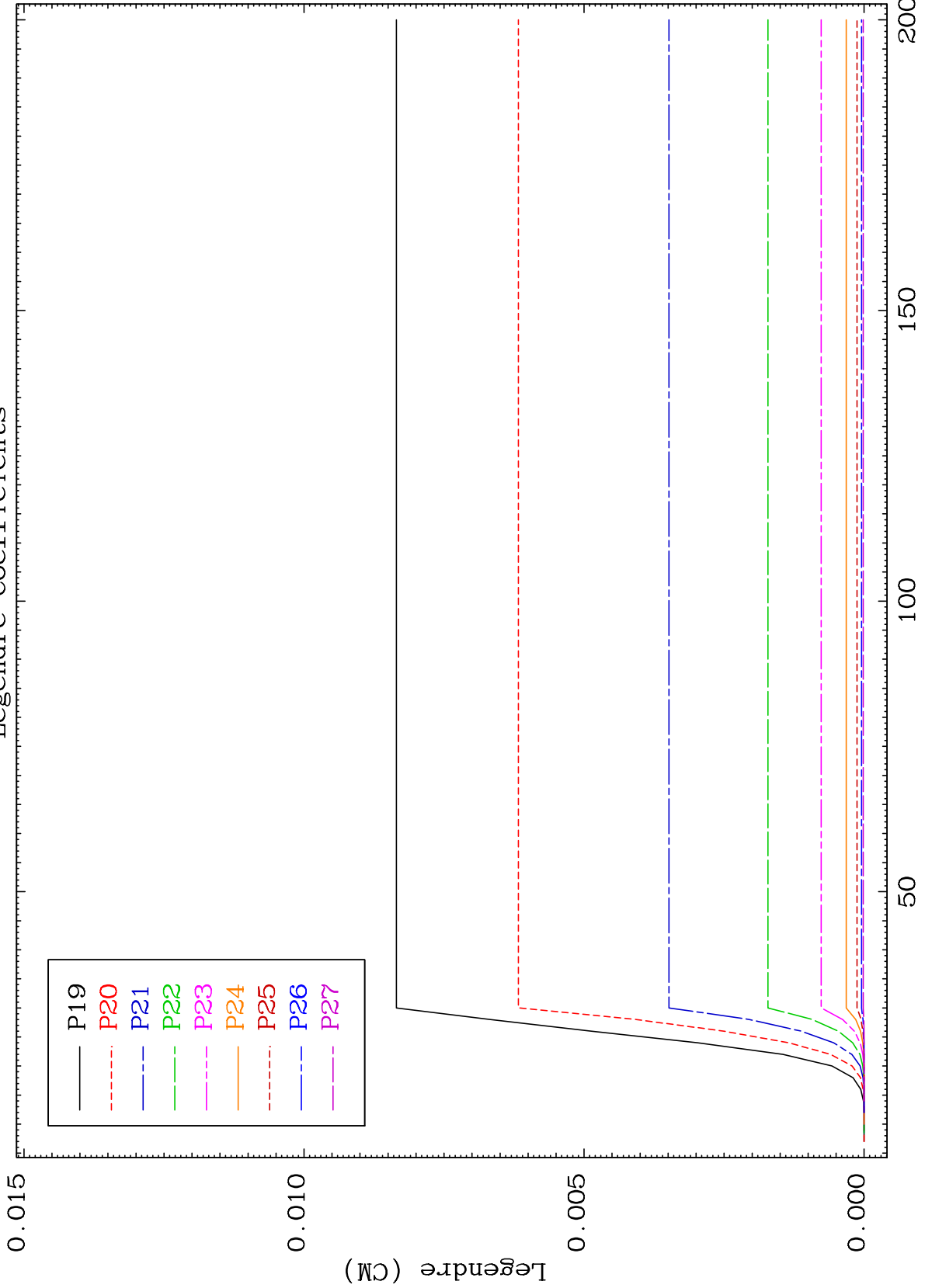


39

60-Nd-141



MAT 6022 MT= 56 (n,n') Level Legendre Coefficients 60-Nd-141



60-Nd-141

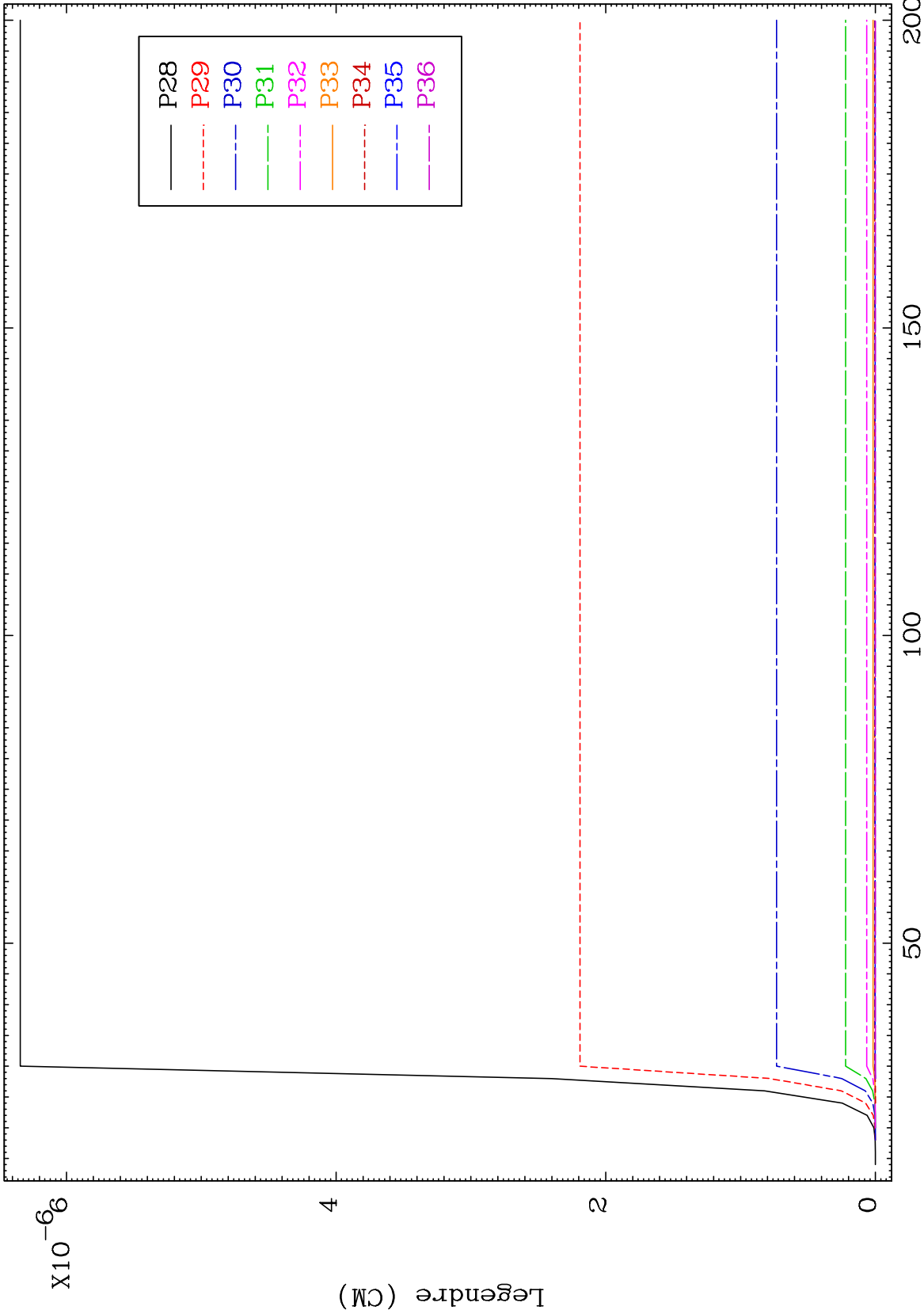
Incident Energy (MeV)

42

MAT 6022

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

60-Nd-141

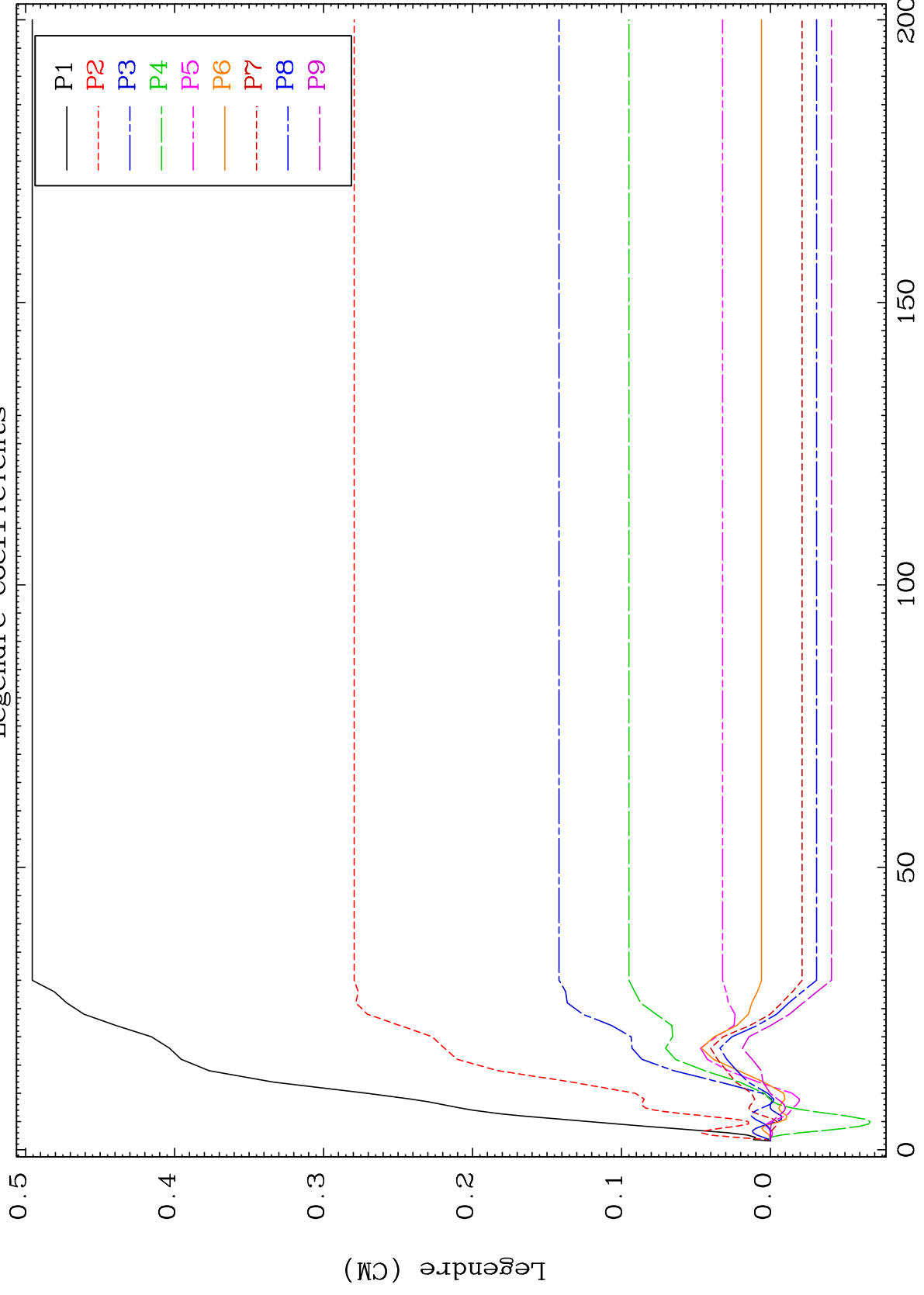


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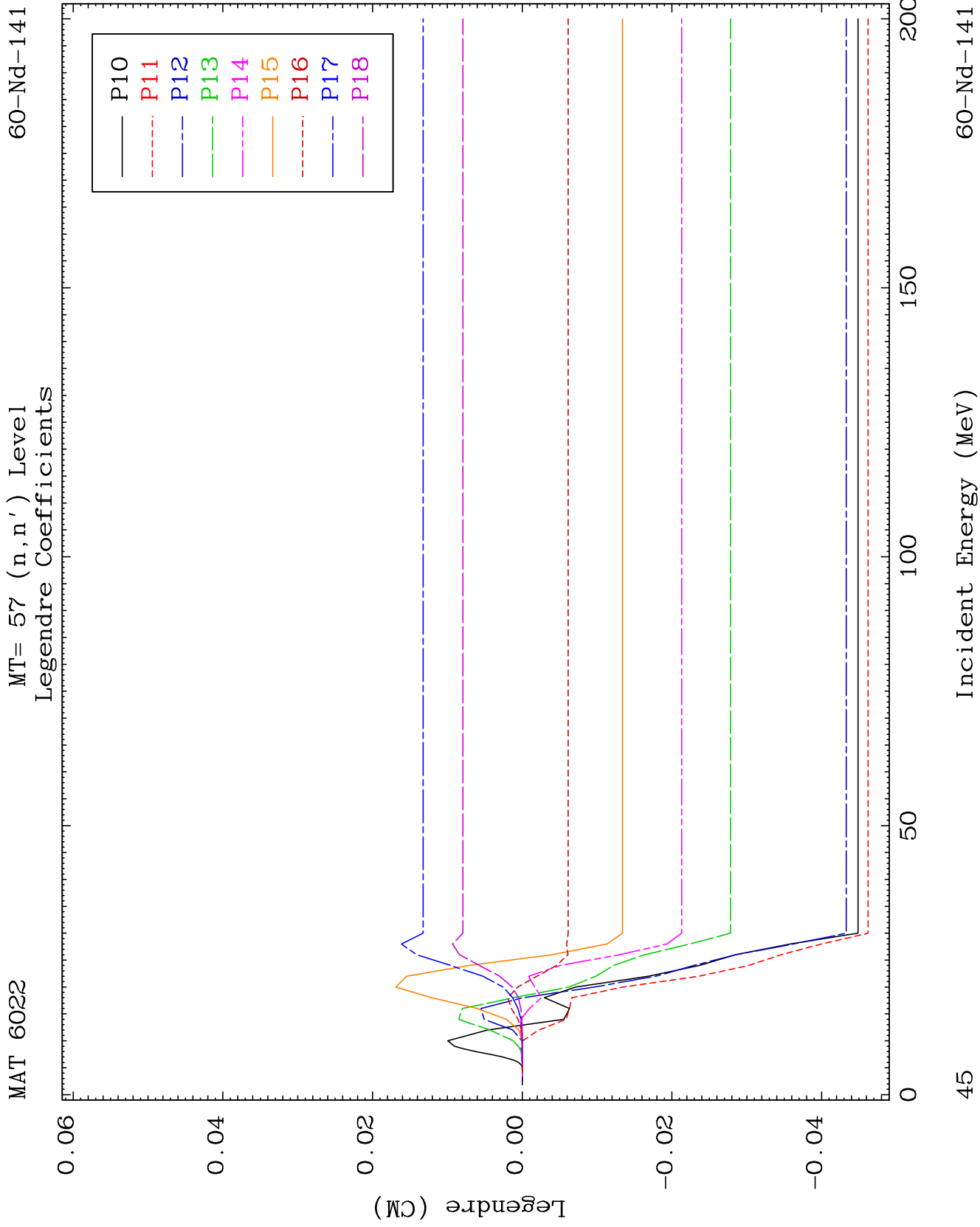
Incident Energy (MeV)

60-Nd-141

MAT 6022 MT= 57 (n,n') Level Legendre Coefficients 60-Nd-141



44 60-Nd-141



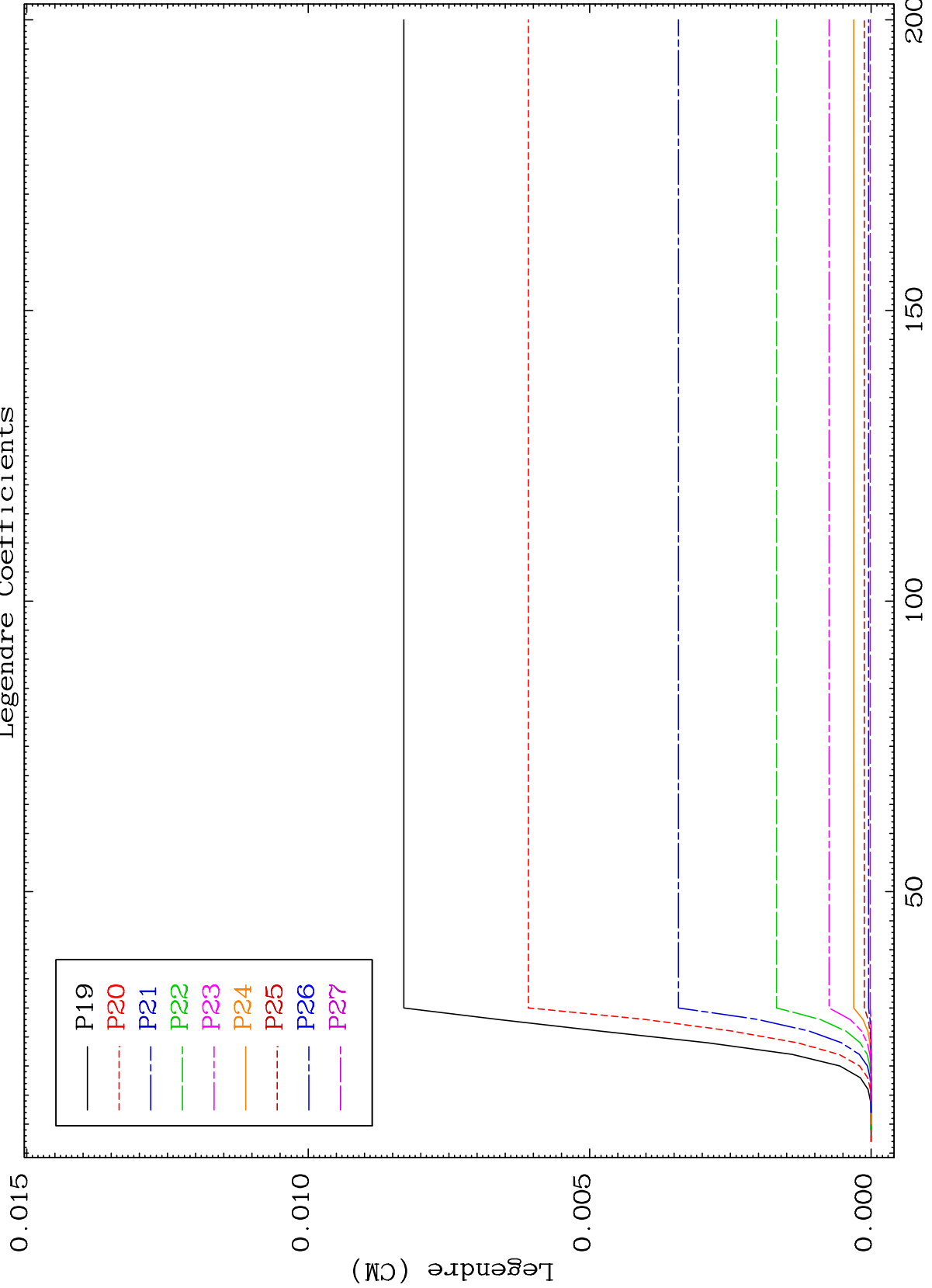
MAT 6022 MT= 57 (n,n') Level Legendre Coefficients

60-Nd-141

46

60-Nd-141

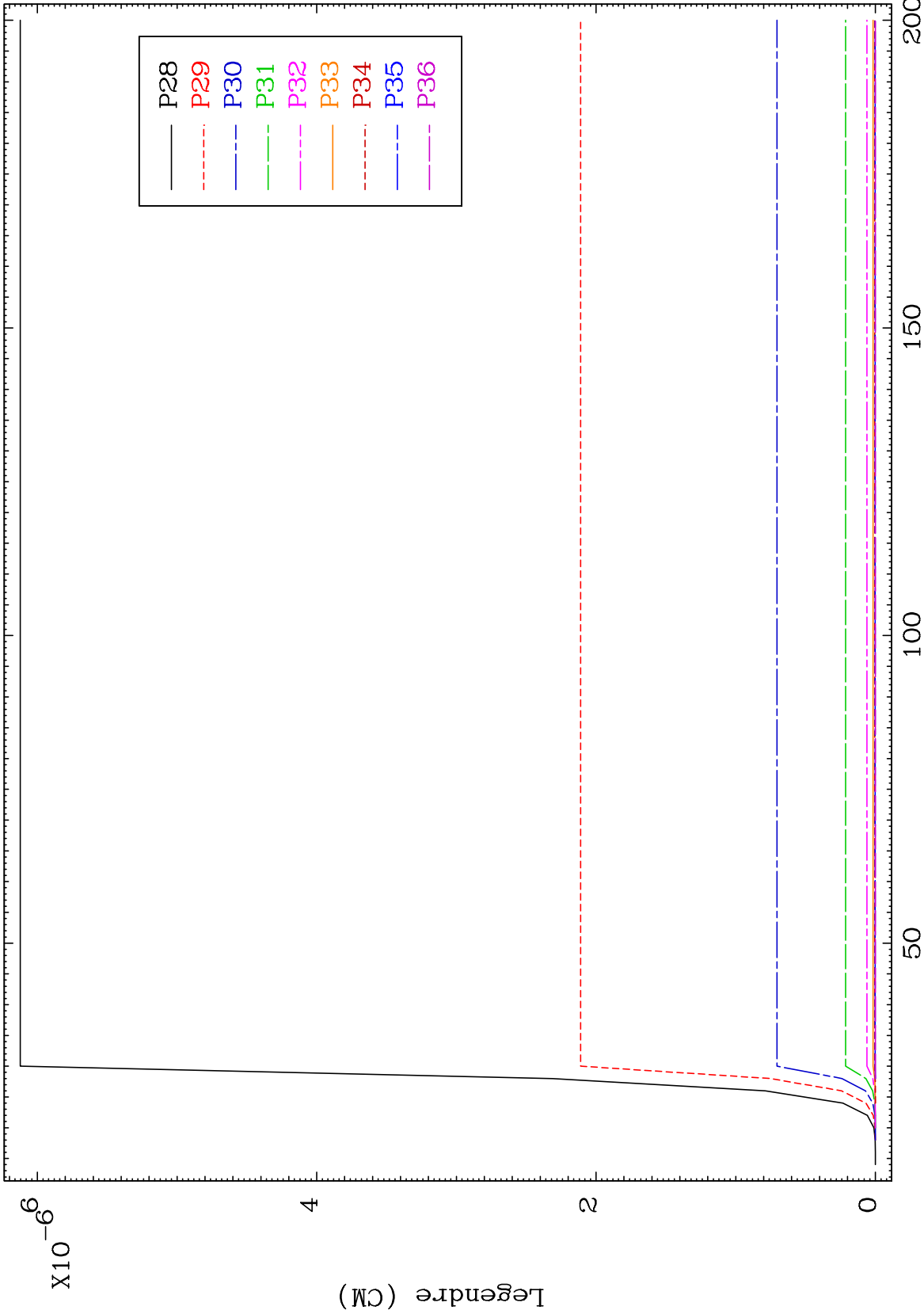
46



MAT 6022

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

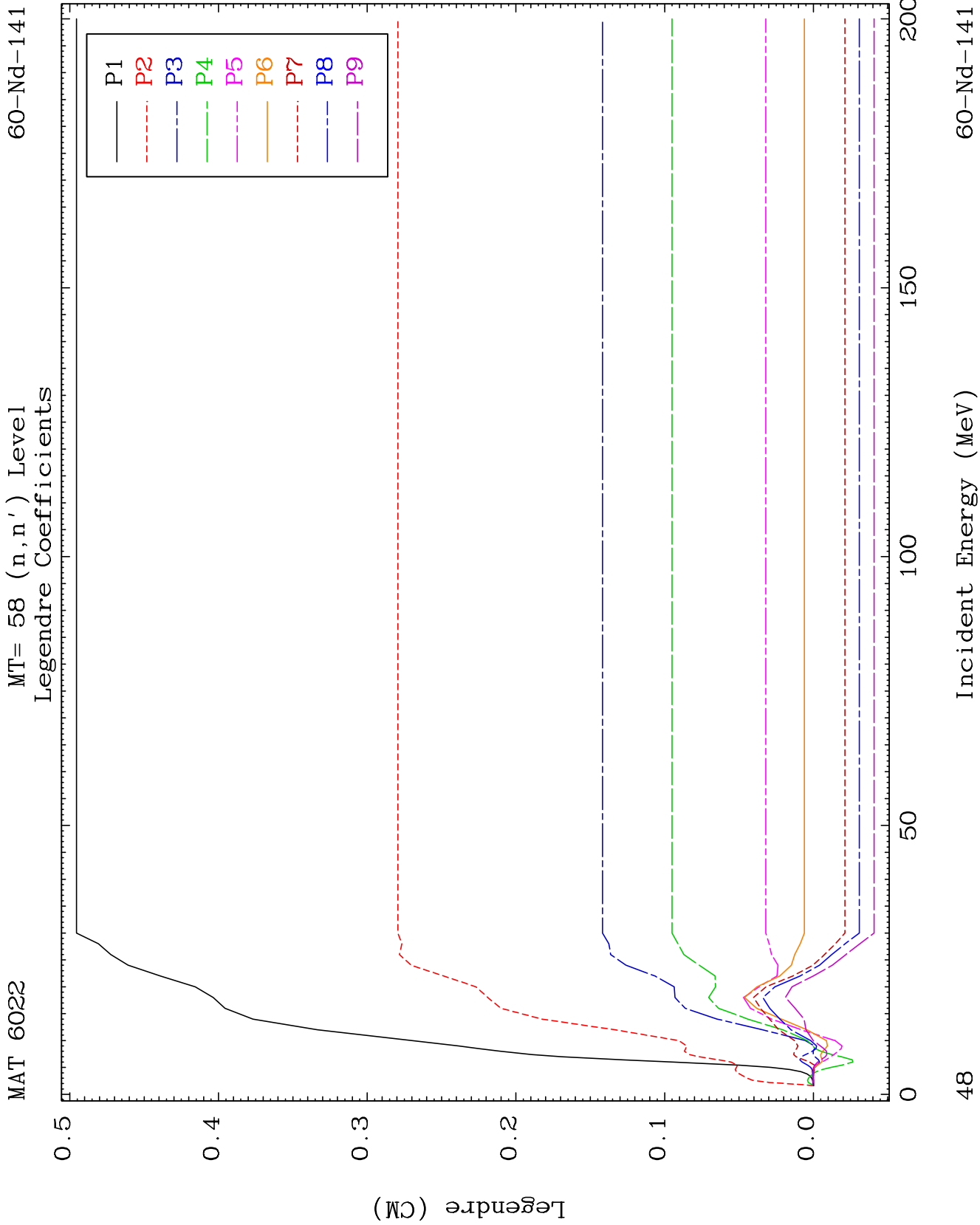
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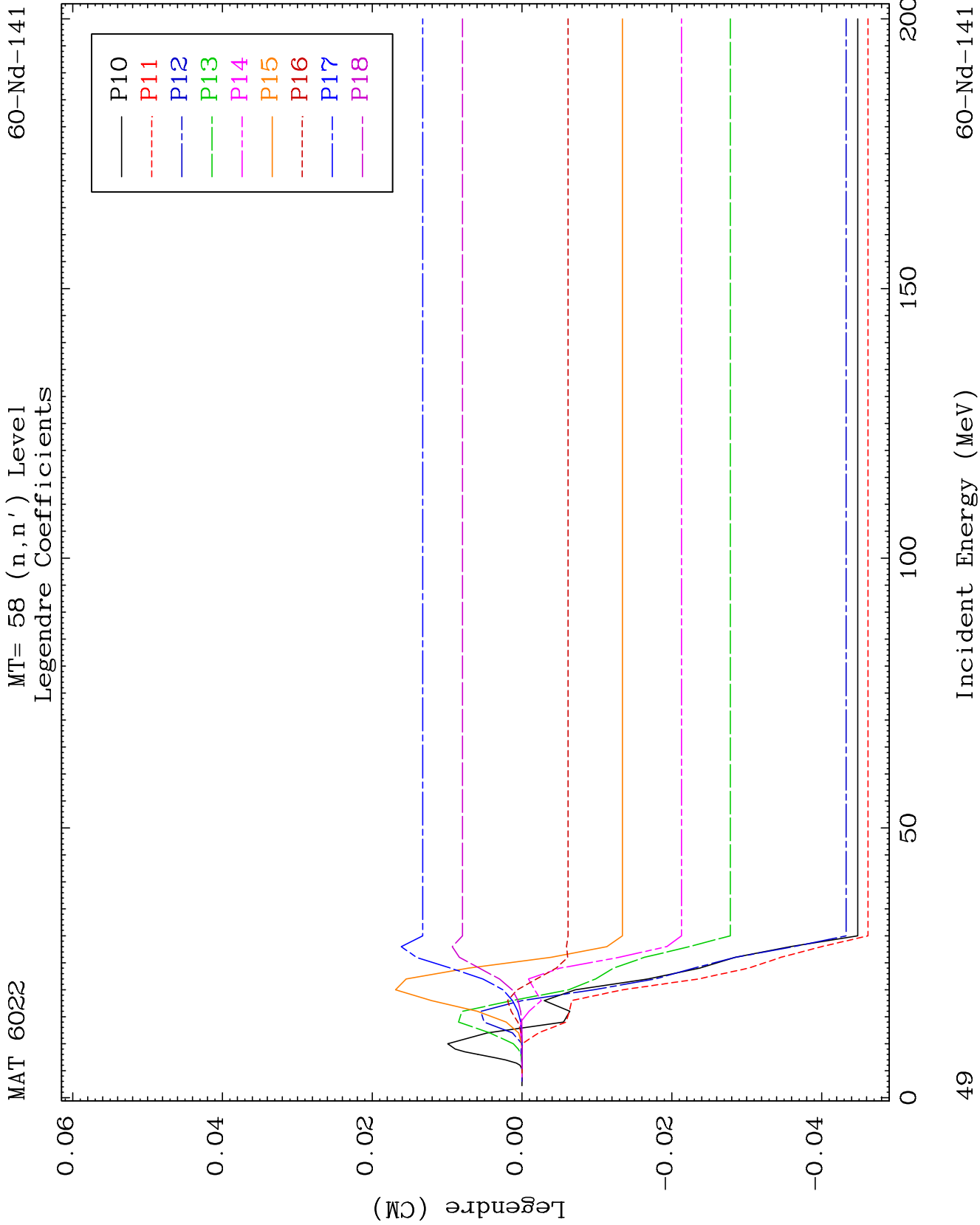


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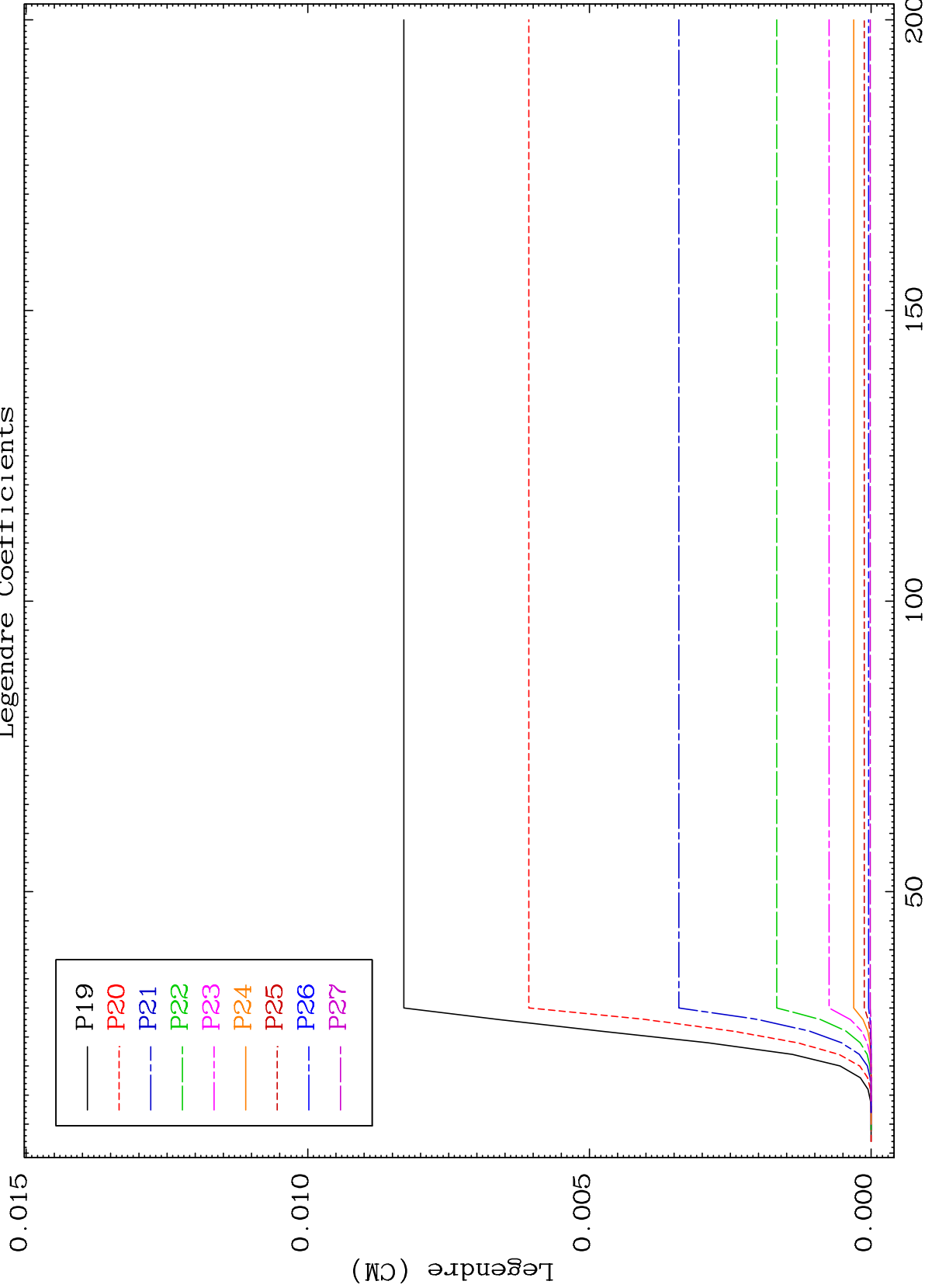
Incident Energy (MeV)

60-Nd-141





MAT 6022 MT= 58 (n,n') Level Legendre Coefficients 60-Nd-141



60-Nd-141

Incident Energy (MeV)

50

50

100

150

200

0.015

0.010

0.005

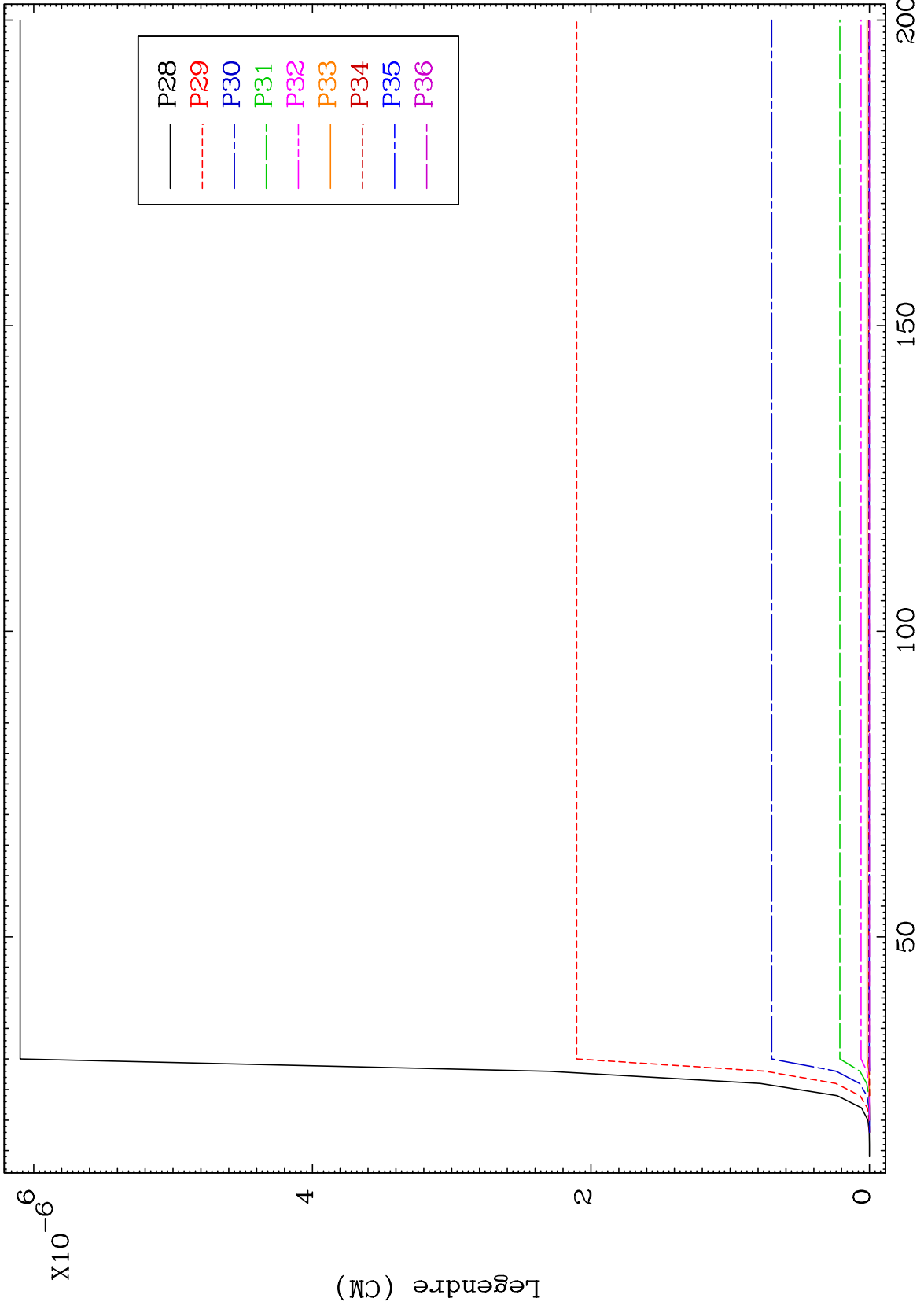
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- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

MAT 6022

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

60-Nd-141

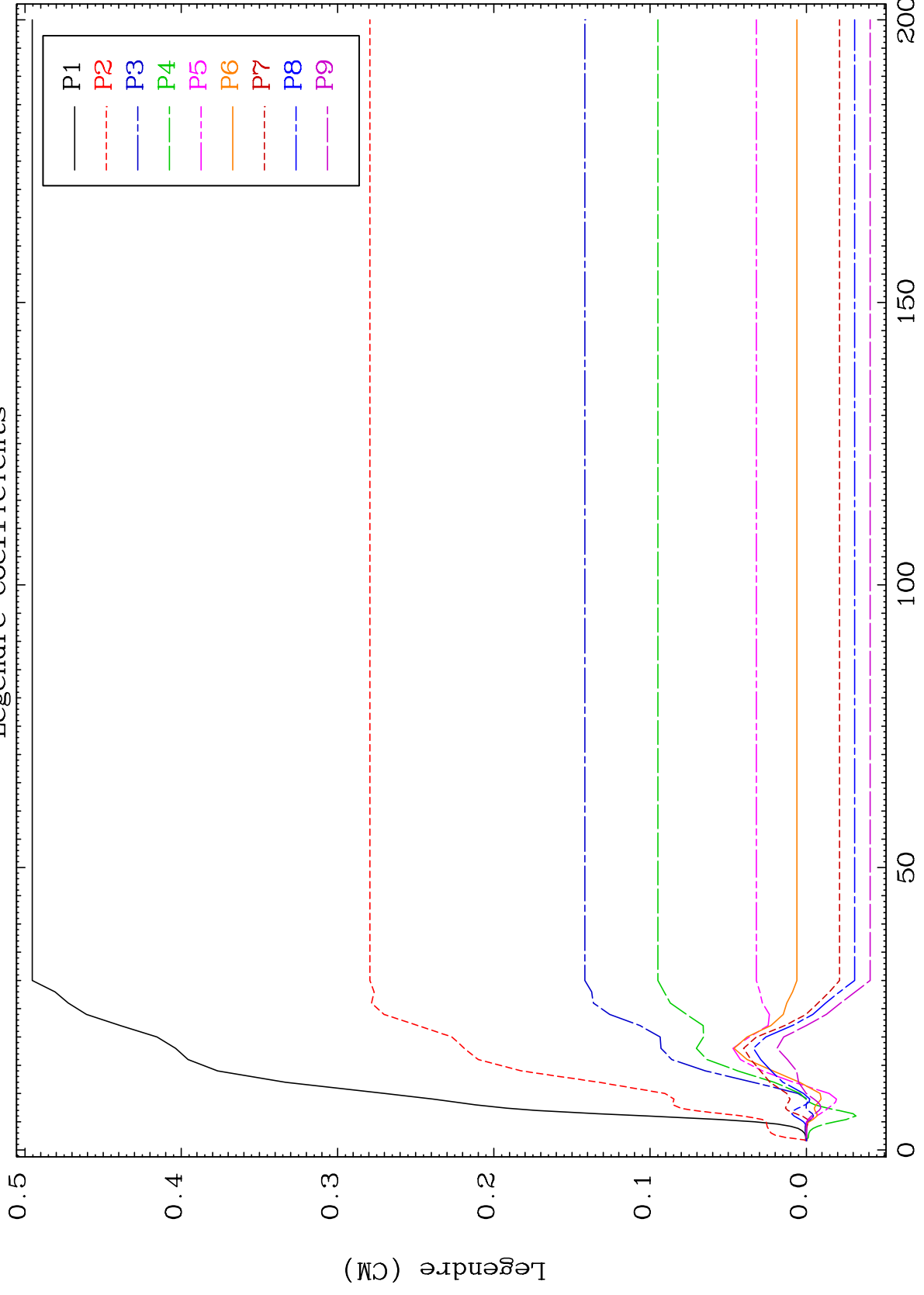


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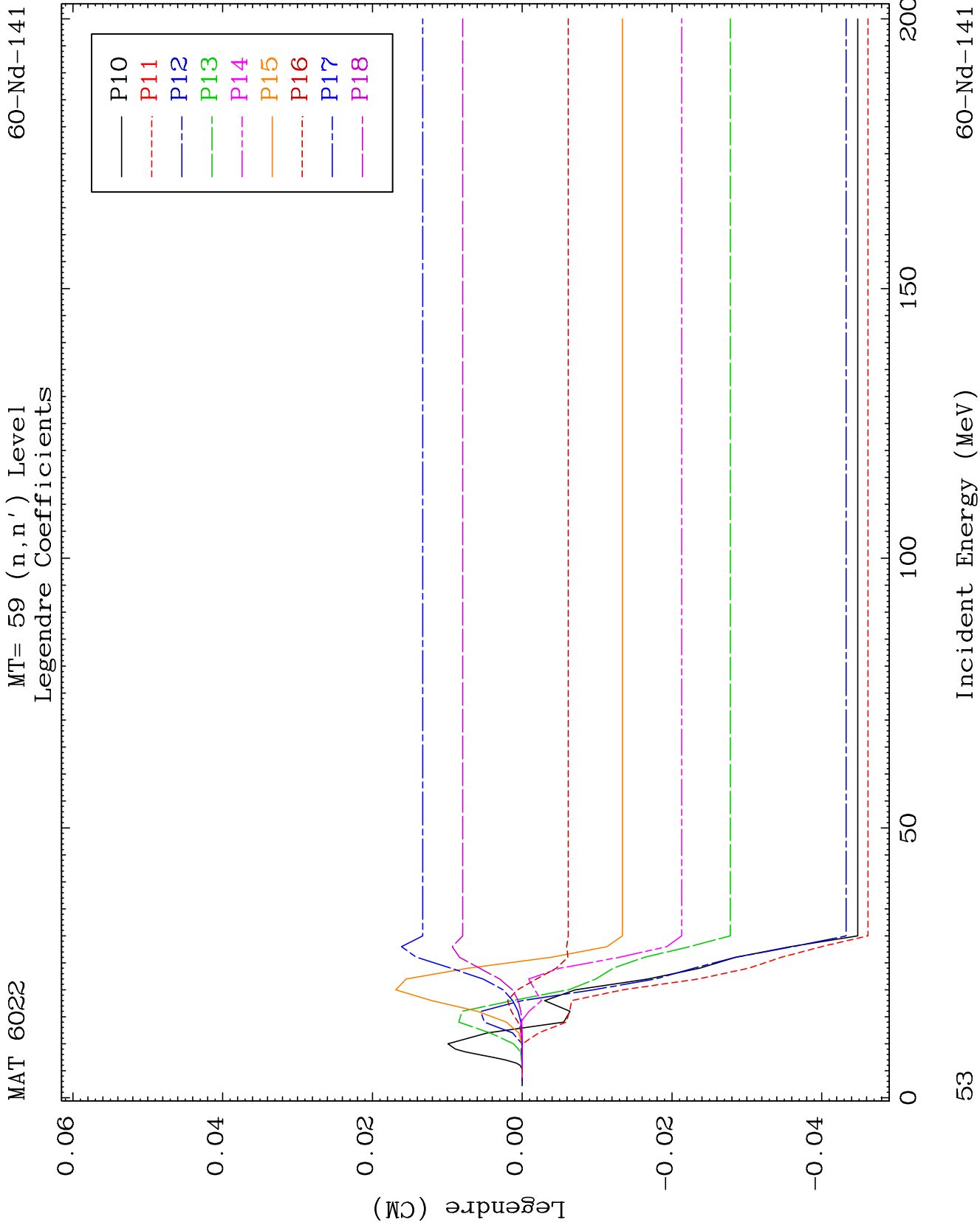
Incident Energy (MeV)

60-Nd-141

MAT 6022 MT= 59 (n,n') Level Legendre Coefficients 60-Nd-141



52 Incident Energy (MeV) 60-Nd-141



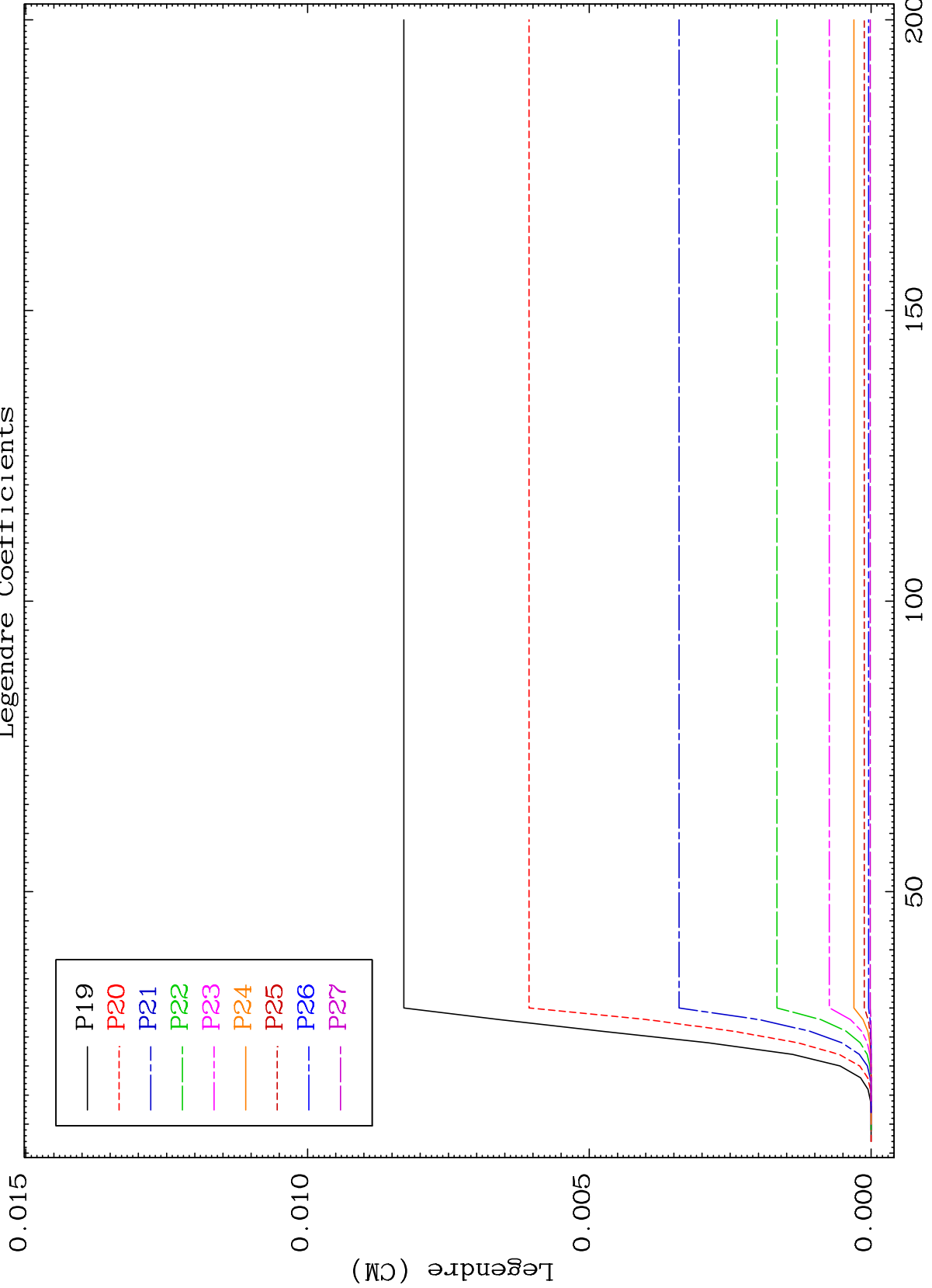
MAT 6022 MT= 59 (n,n') Level Legendre Coefficients

60-Nd-141

60-Nd-141

Incident Energy (MeV)

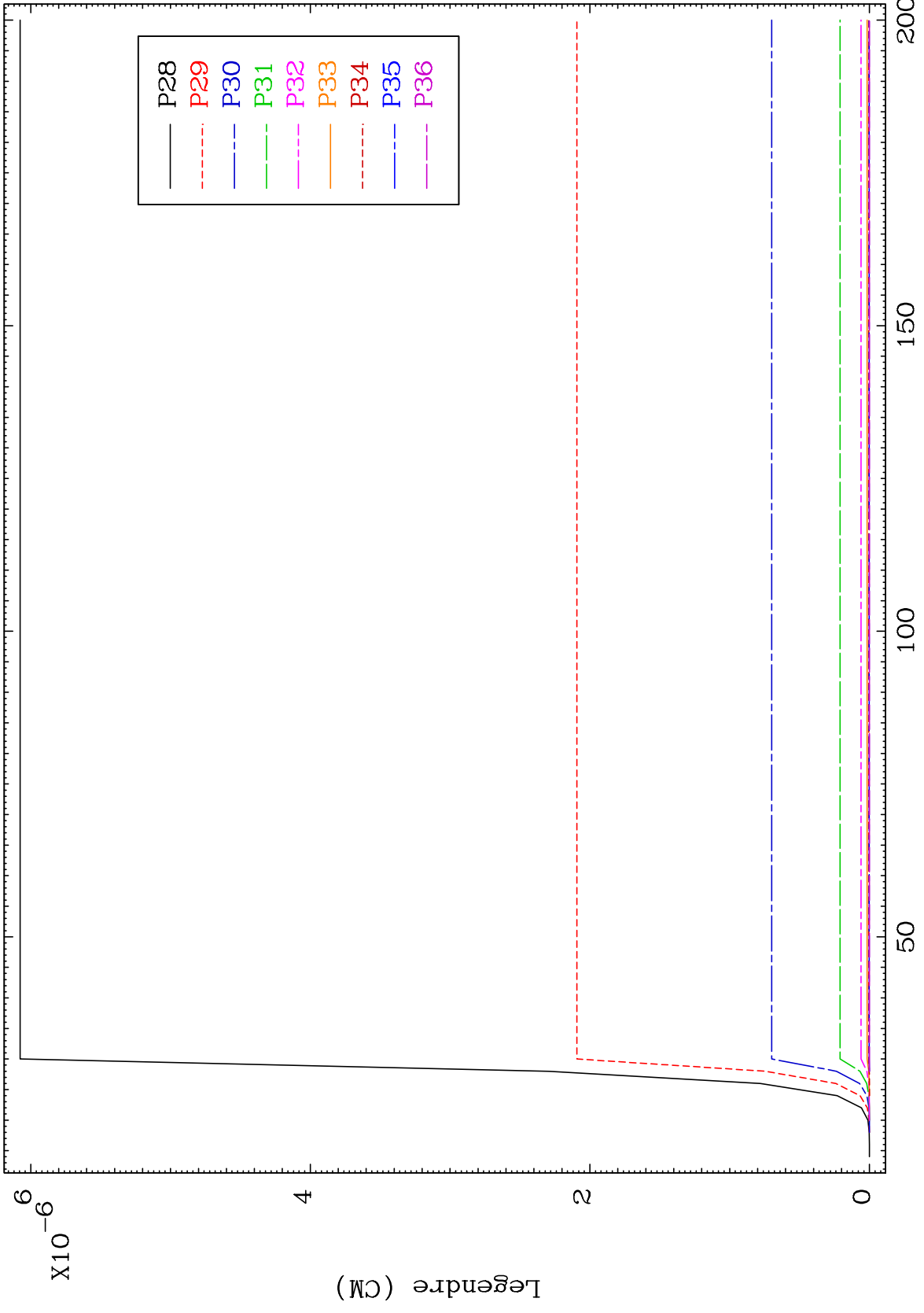
54



MAT 6022

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

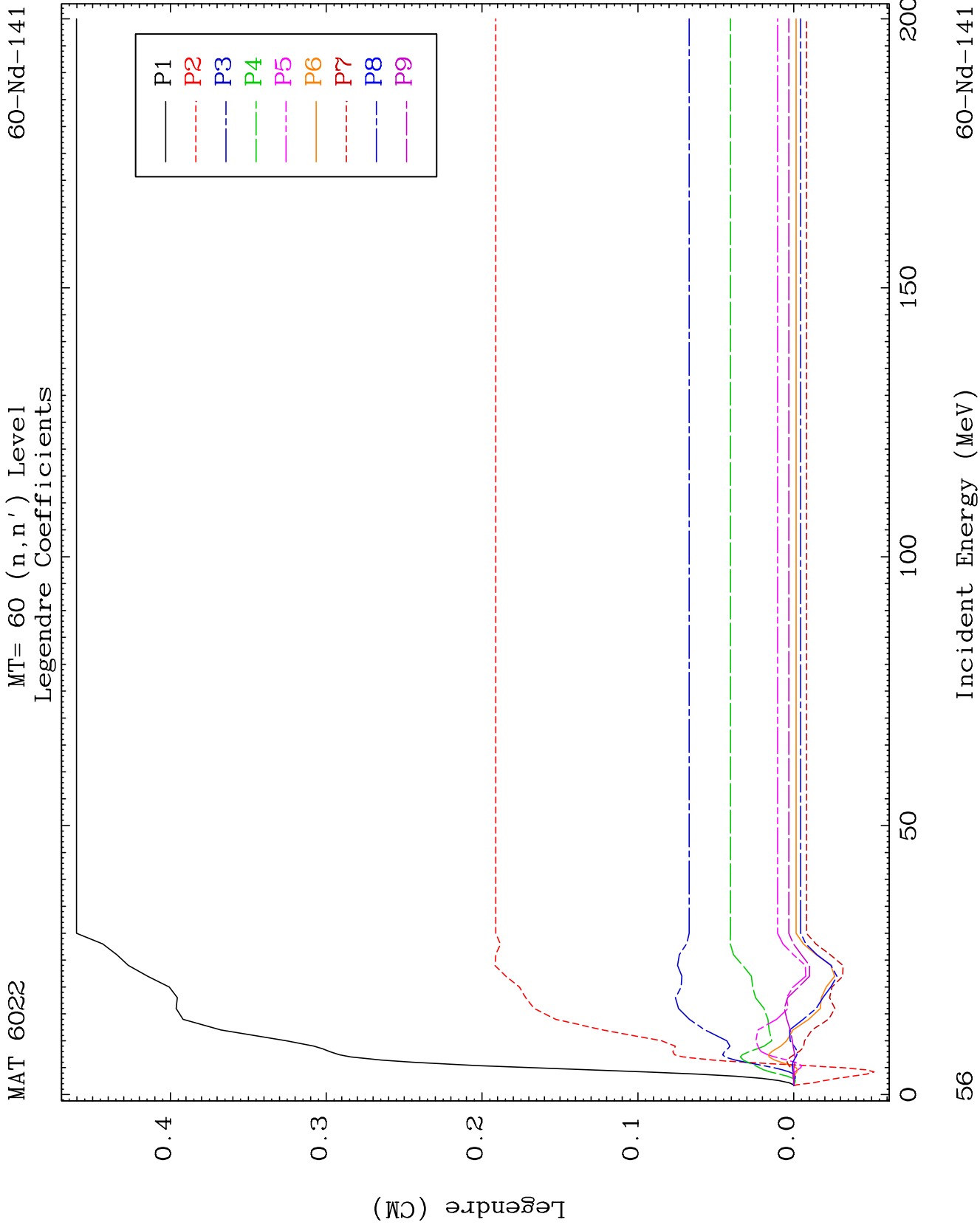
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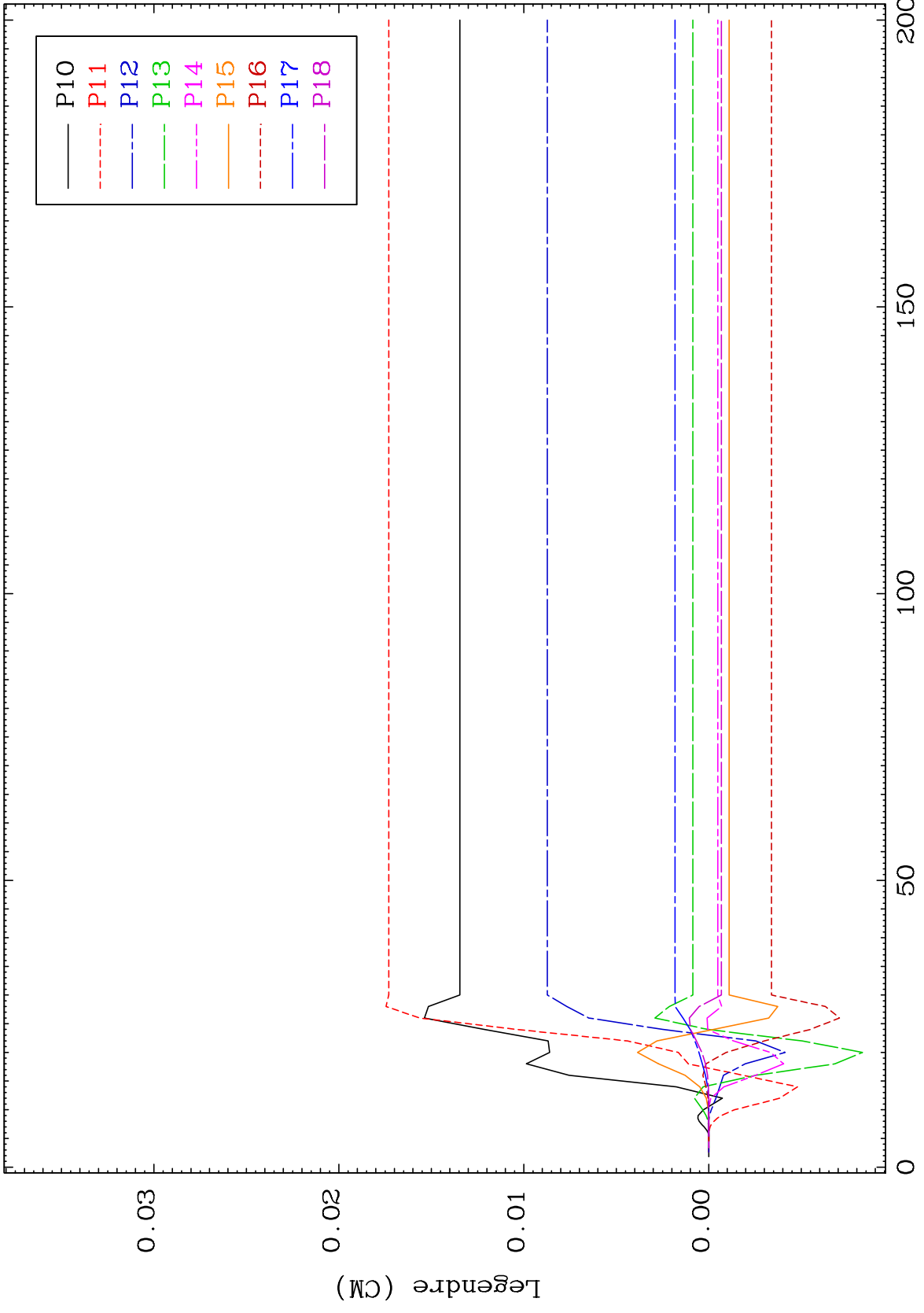
55

Incident Energy (MeV)

60-Nd-141



MAT 6022 MT= 60 (n,n') Level Legendre Coefficients 60-Nd-141

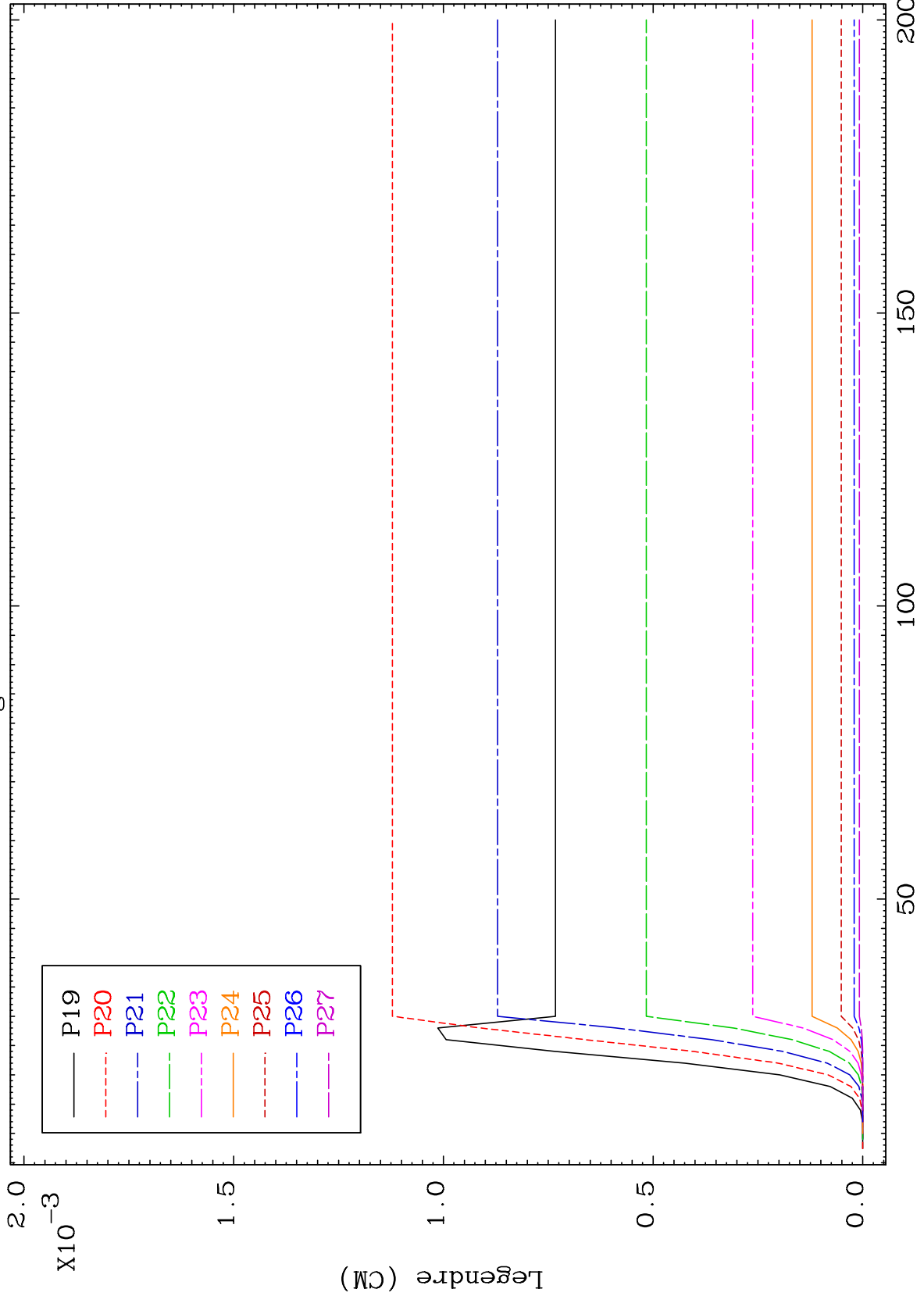


57 60-Nd-141

MAT 6022 MT= 60 (n,n') Level Legendre Coefficients

60-Nd-141

60-Nd-141

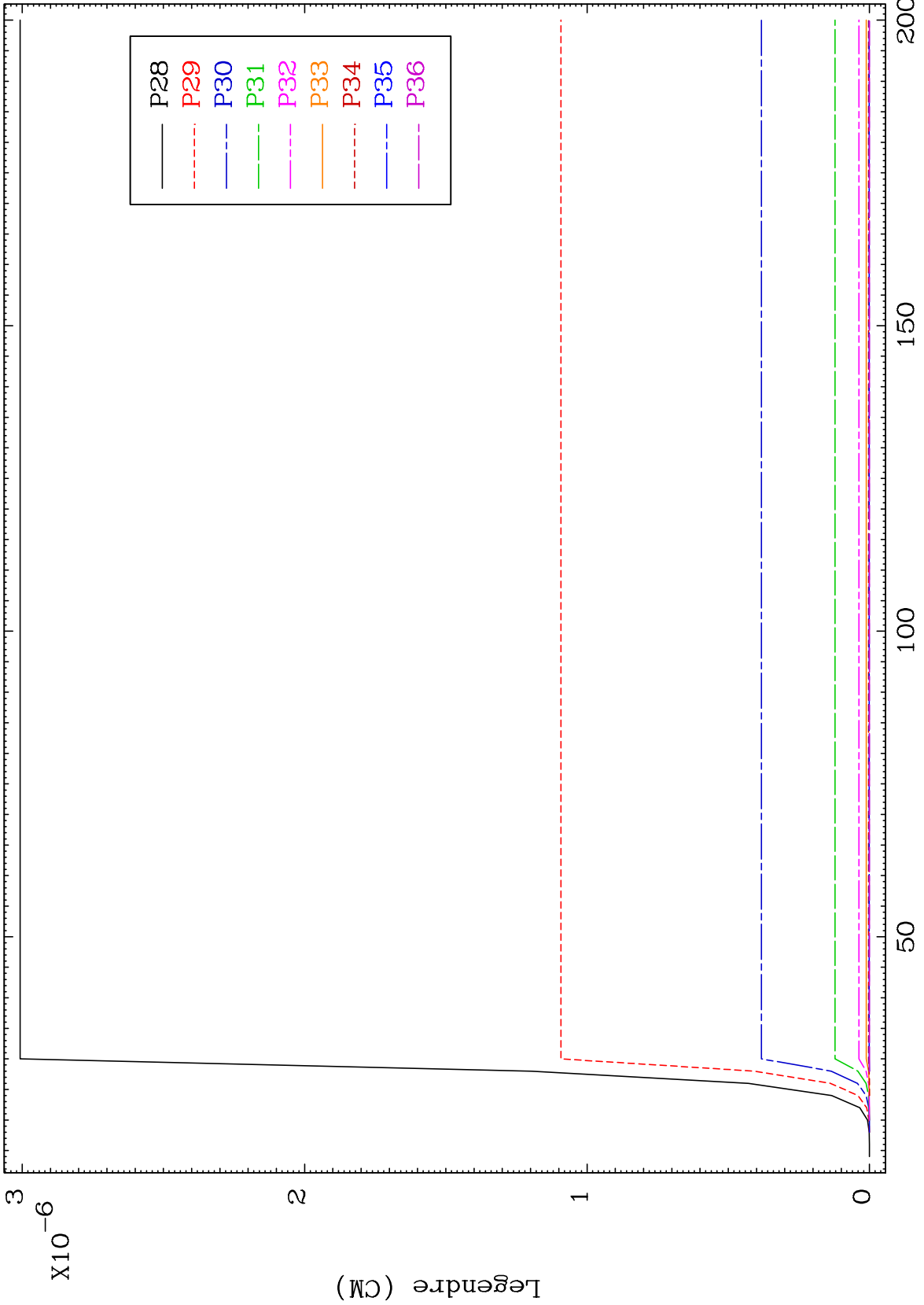


58

MAT 6022

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

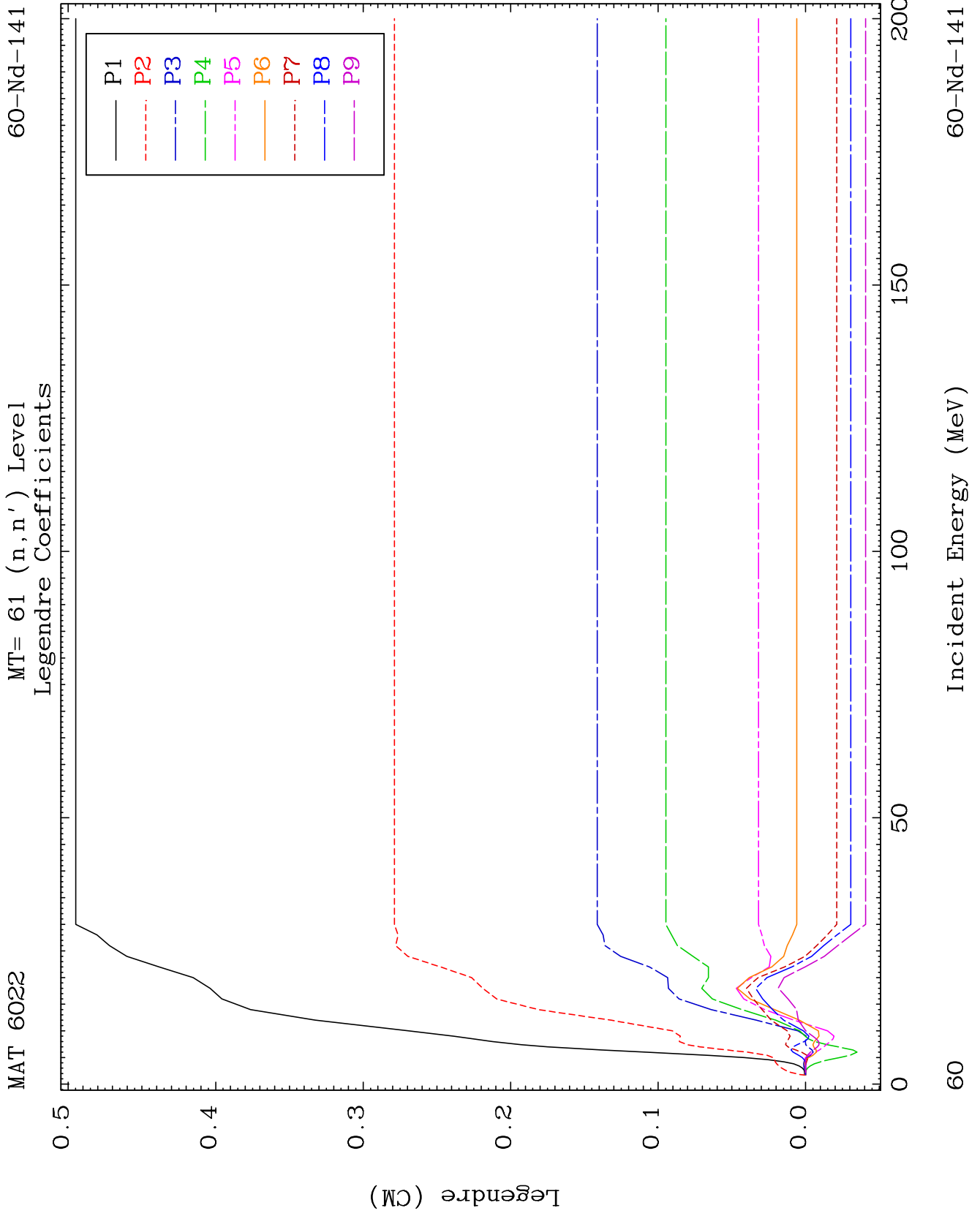
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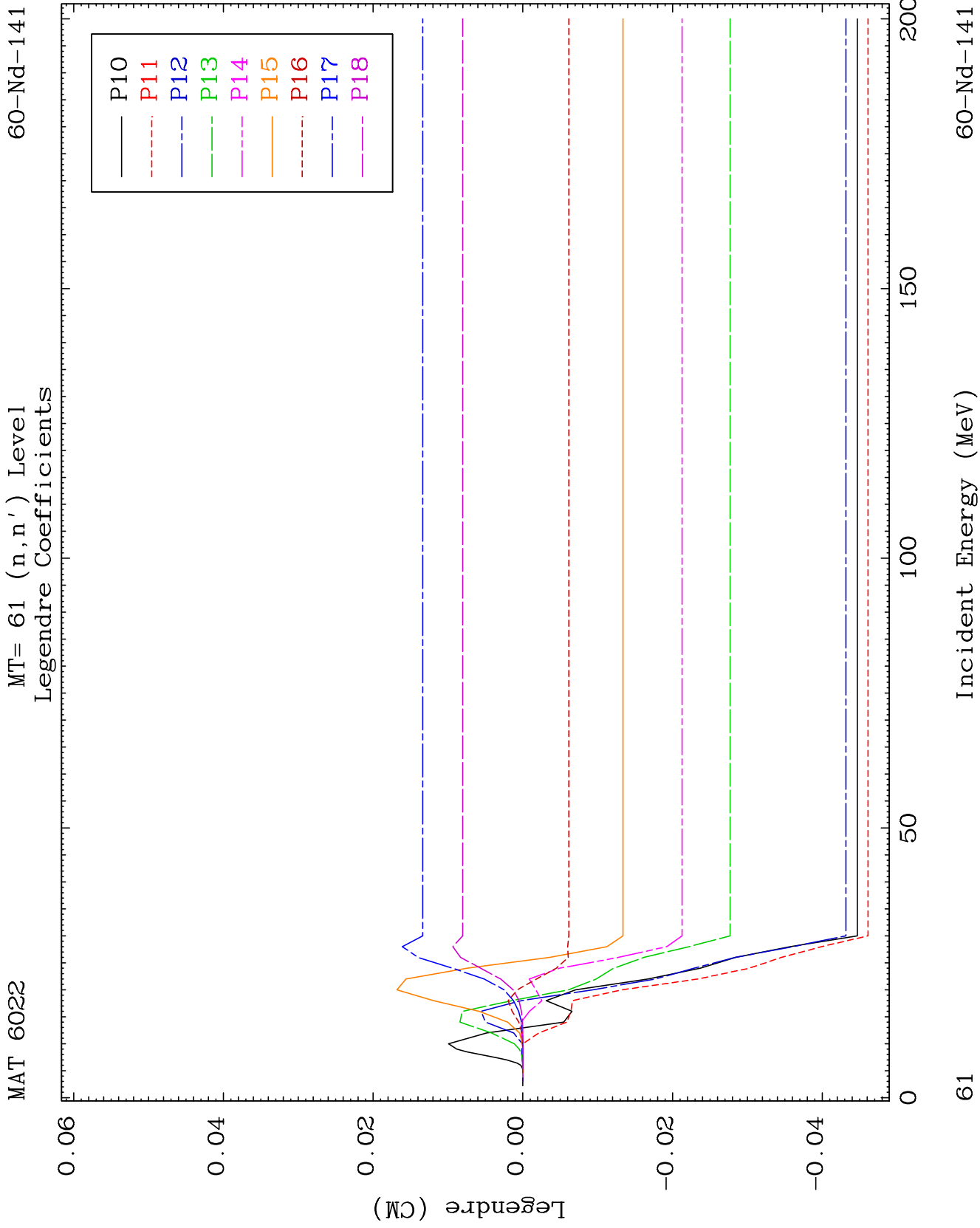


59

Incident Energy (MeV)

60-Nd-141

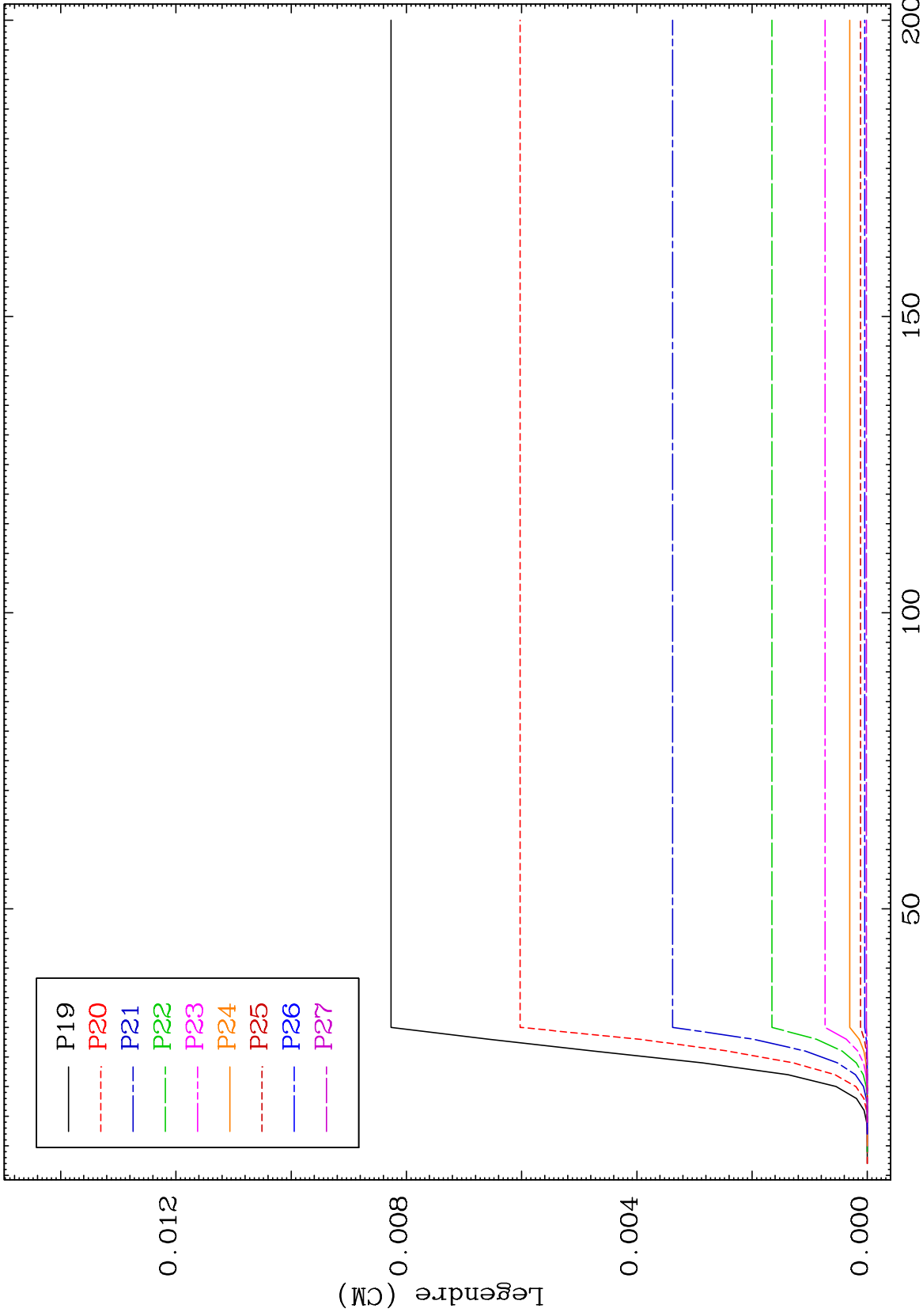




MAT 6022

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

60-Nd-141

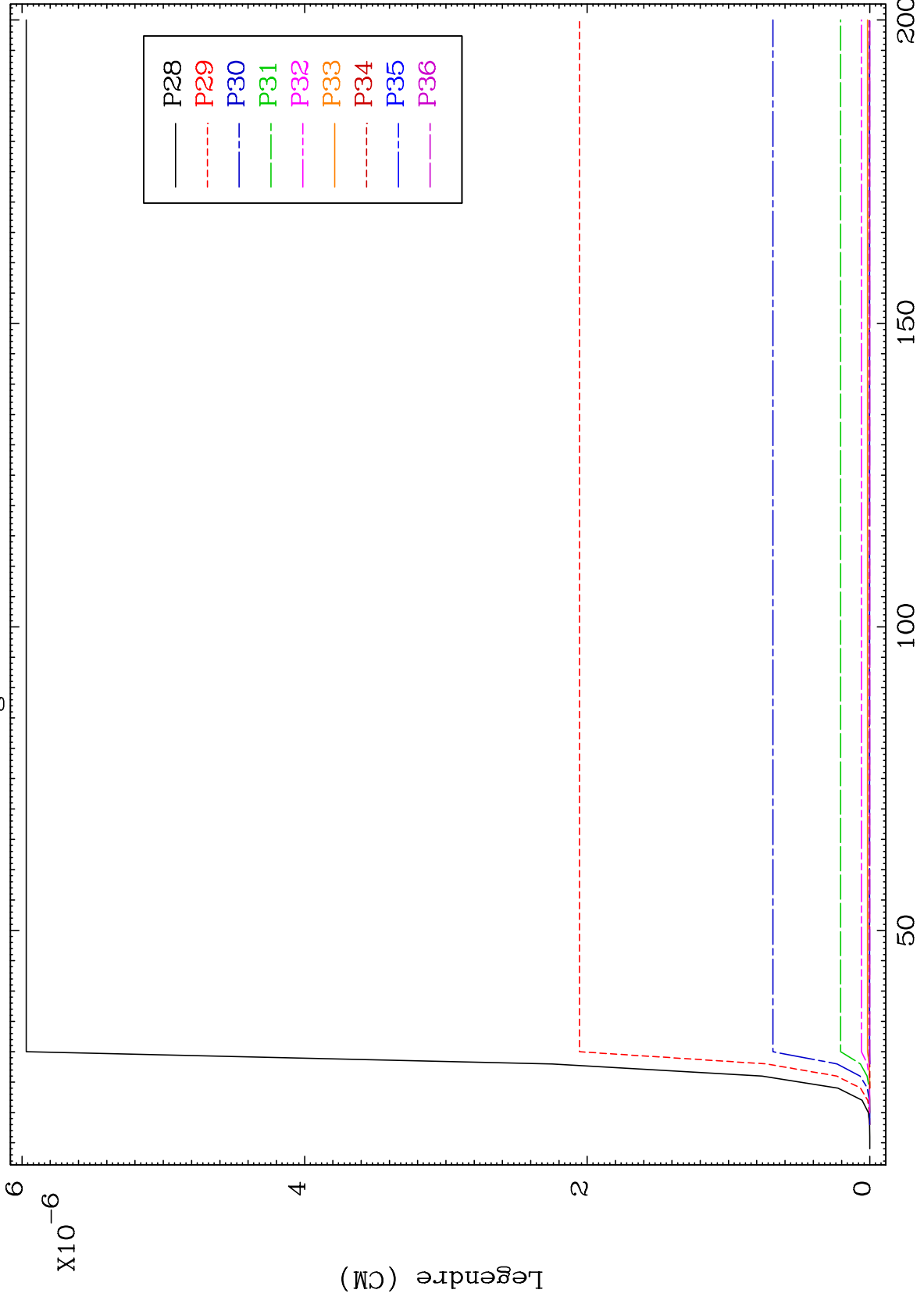


62

Incident Energy (MeV)

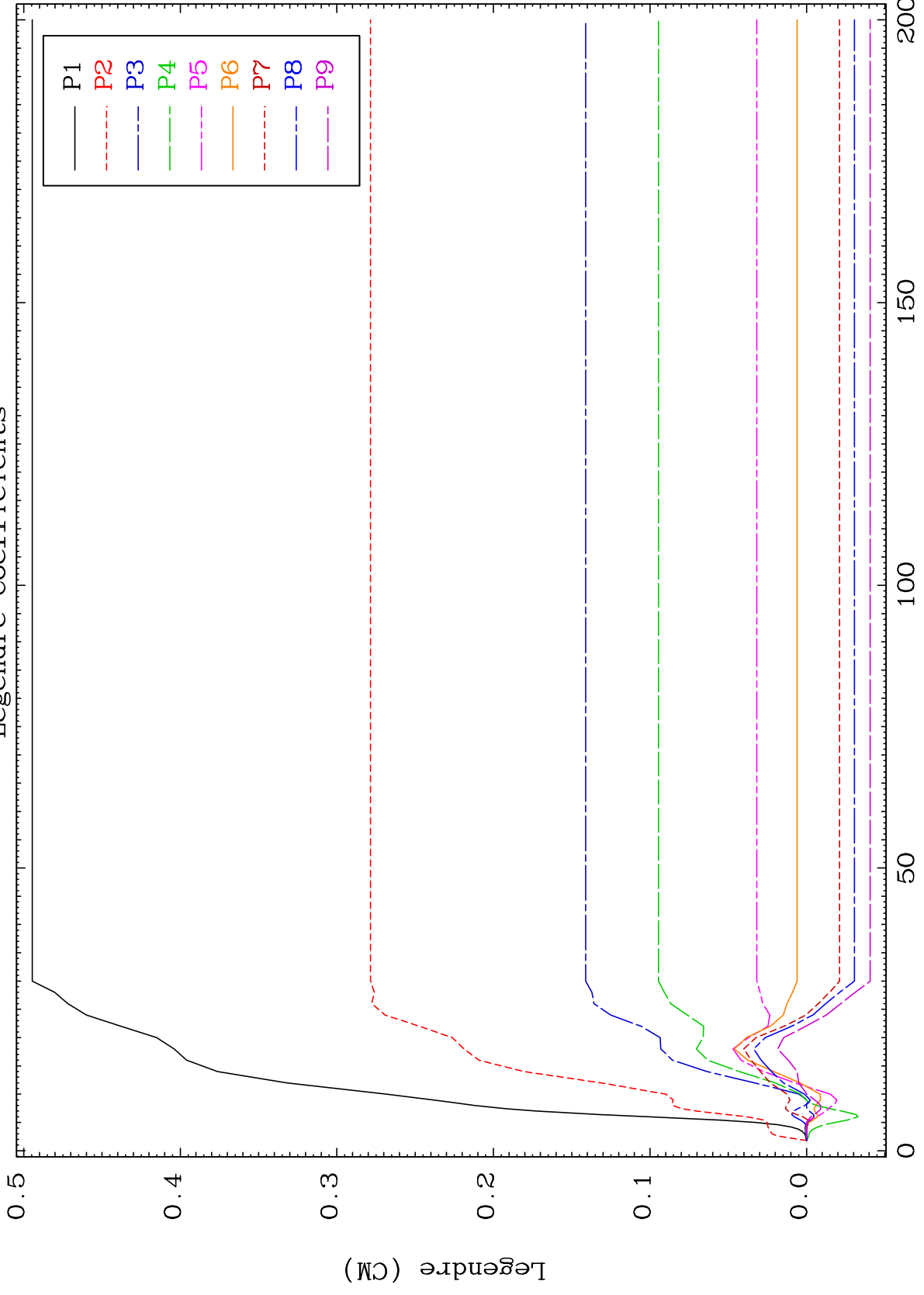
60-Nd-141

MAT 6022 MT= 61 (n,n') Level Legendre Coefficients 60-Nd-141



63 60-Nd-141

MAT 6022 MT= 62 (n,n') Level Legendre Coefficients 60-Nd-141

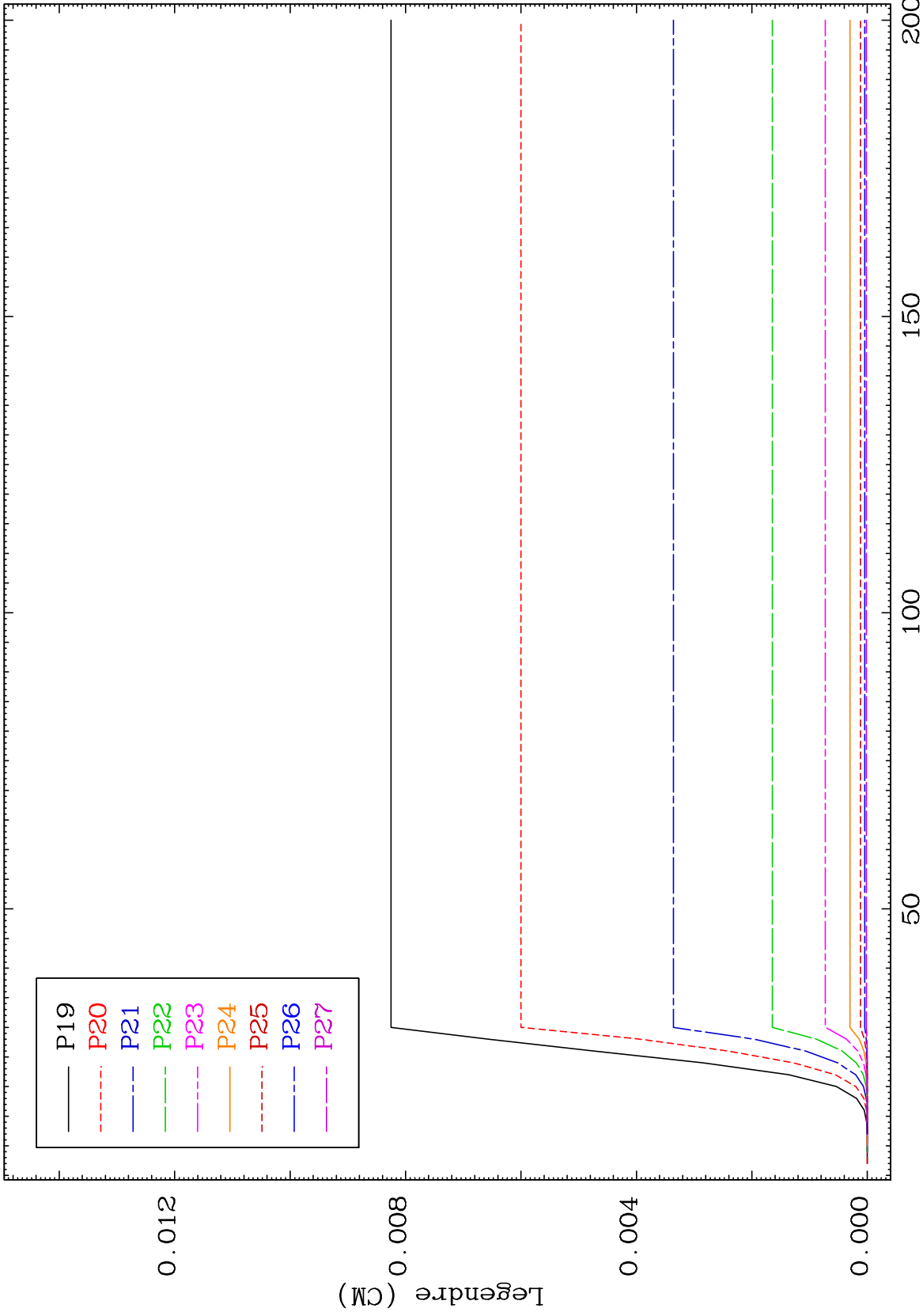


64 60-Nd-141

MAT 6022

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

60-Nd-141

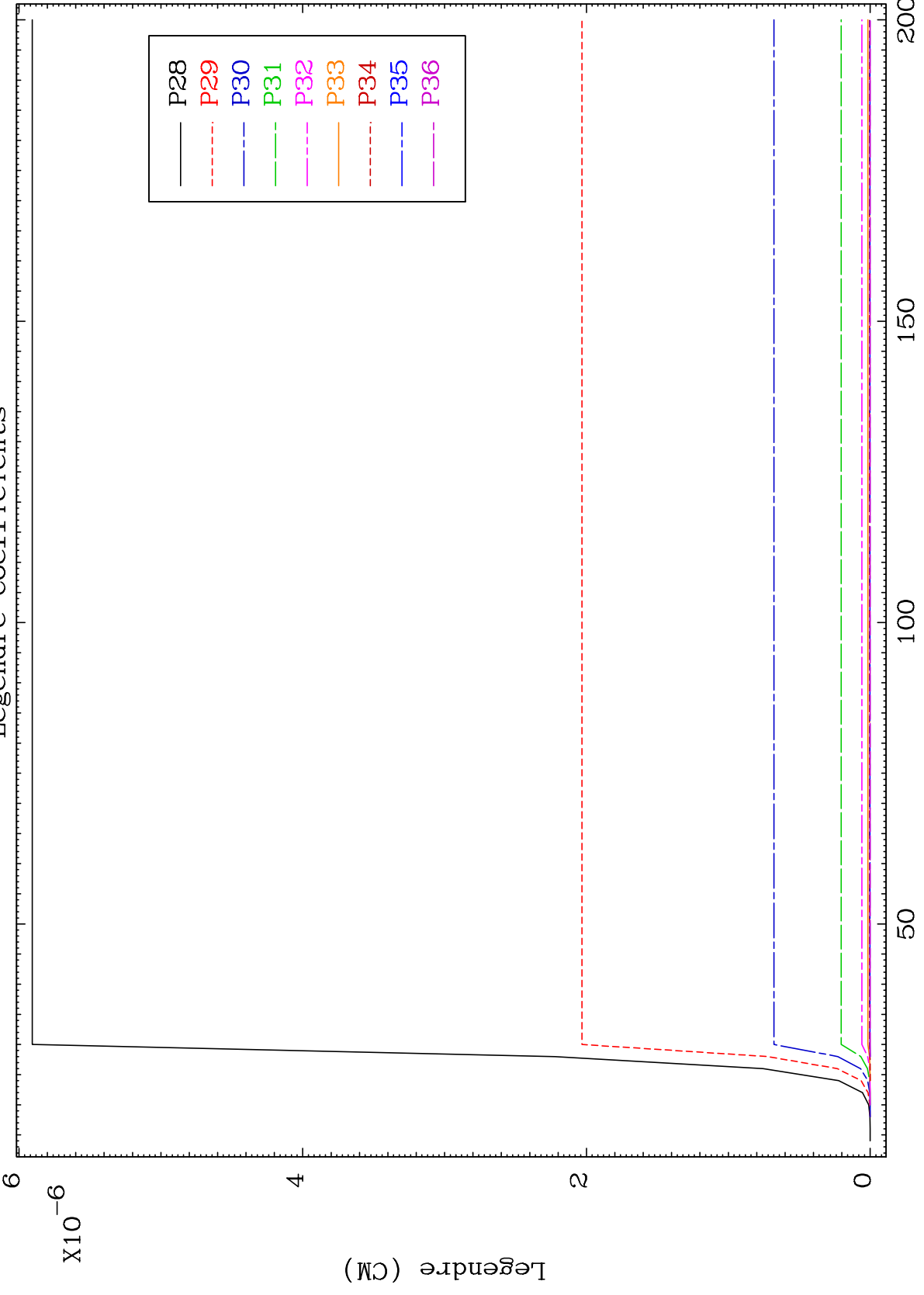


66

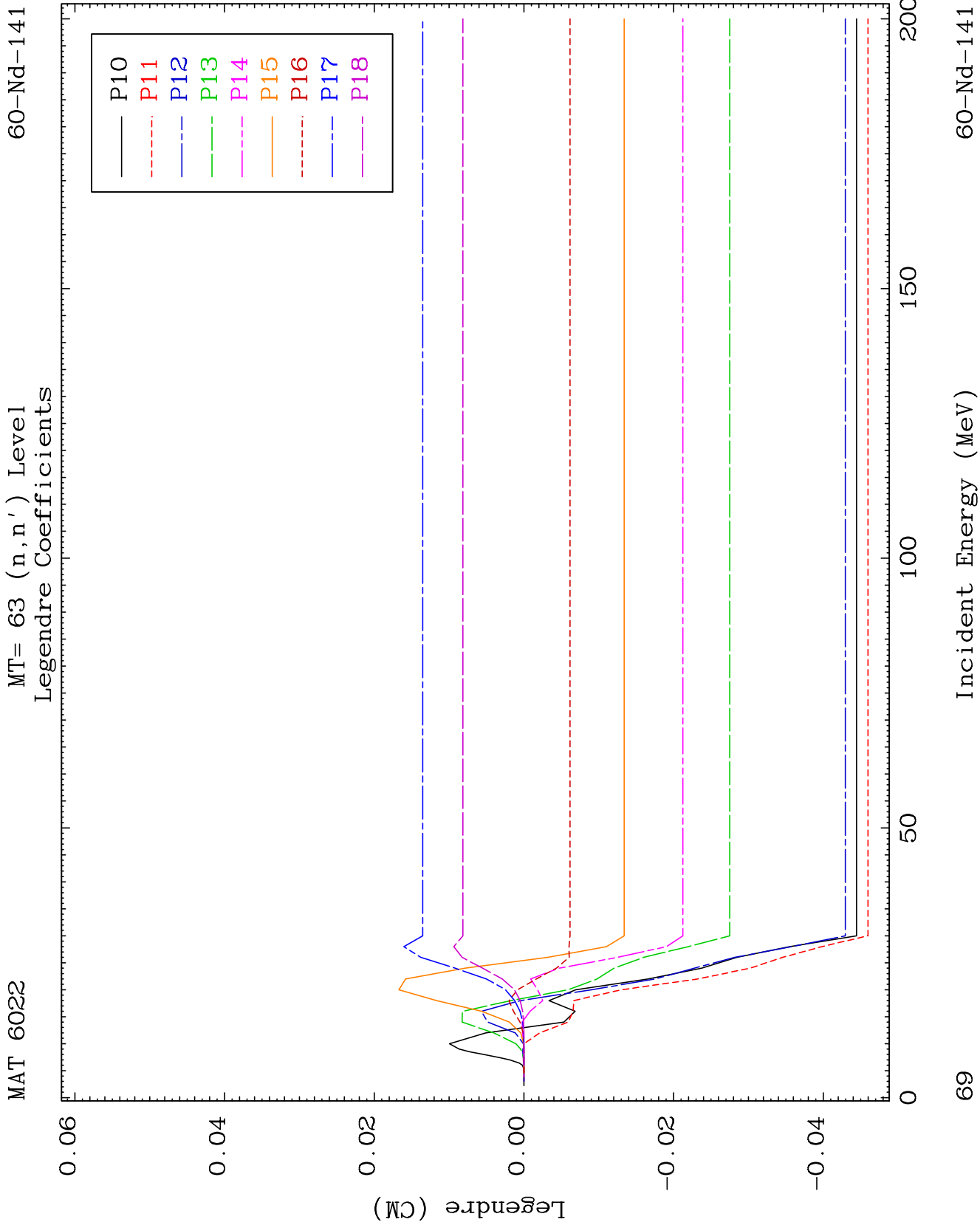
Incident Energy (MeV)

60-Nd-141

MAT 6022 MT= 62 (n,n') Level Legendre Coefficients 60-Nd-141



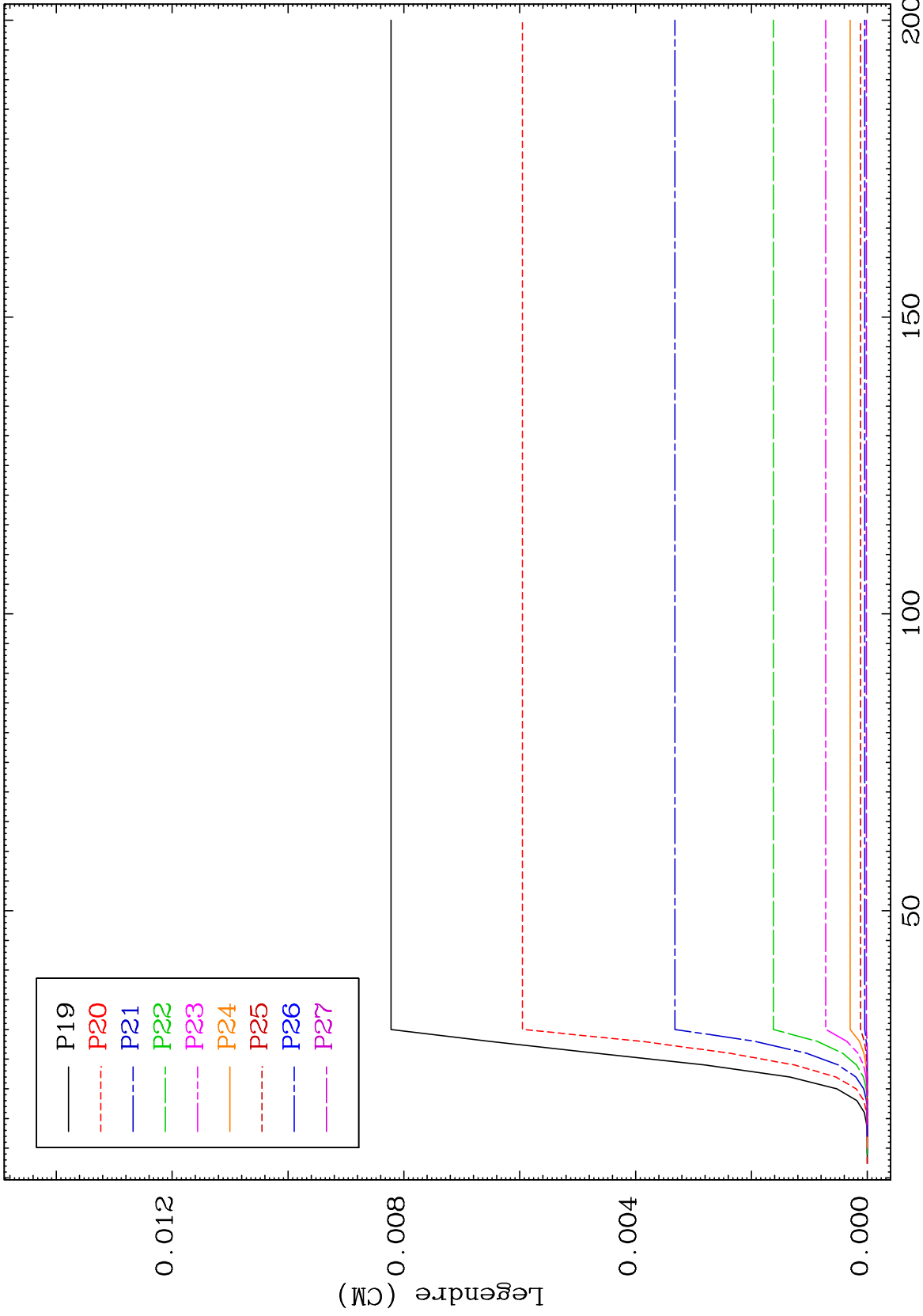
67 60-Nd-141



MAT 6022

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

60-Nd-141



70

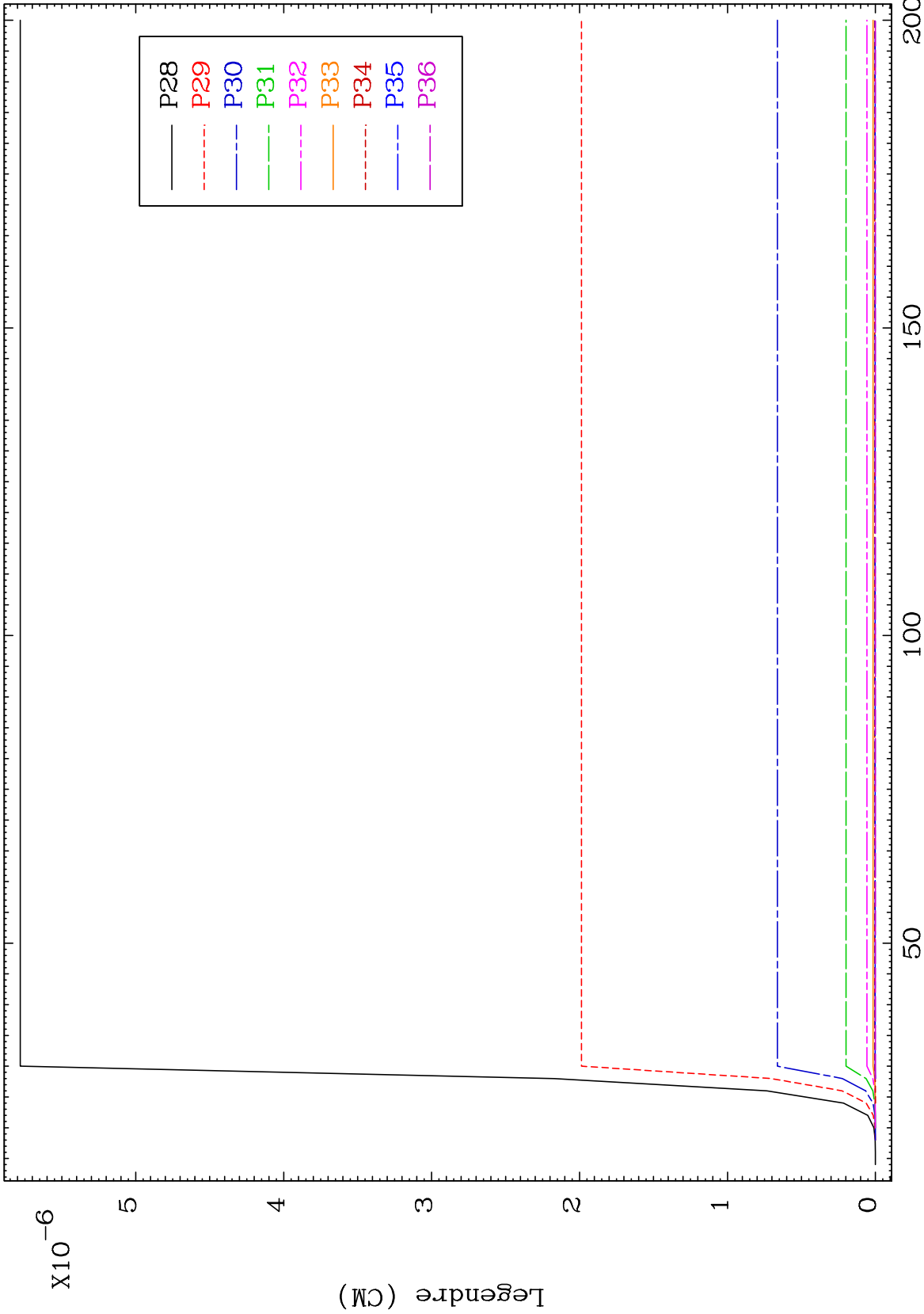
Incident Energy (MeV)

60-Nd-141

MAT 6022

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

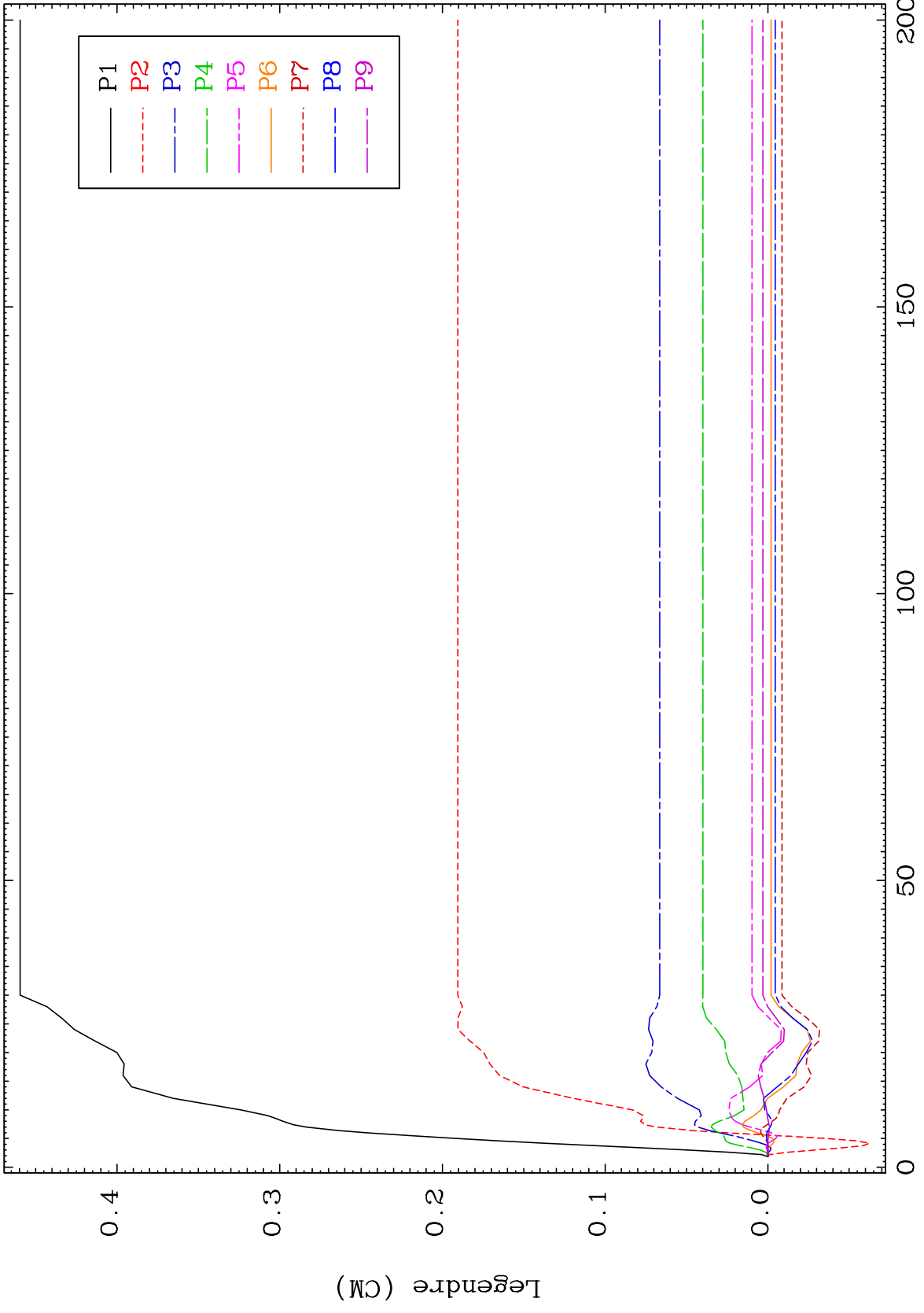
60-Nd-141



71

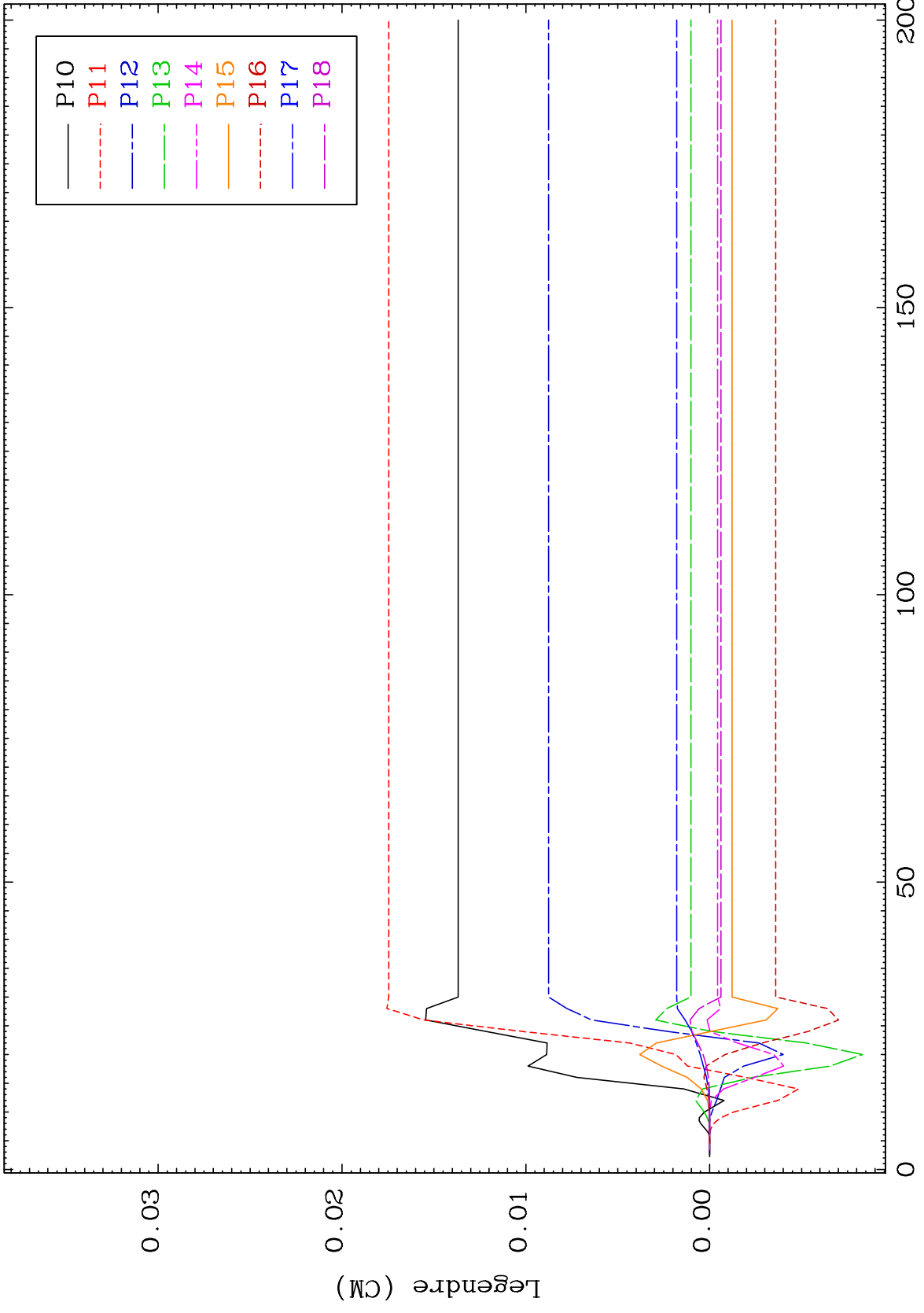
60-Nd-141

MAT 6022 MT= 64 (n,n') Level Legendre Coefficients 60-Nd-141

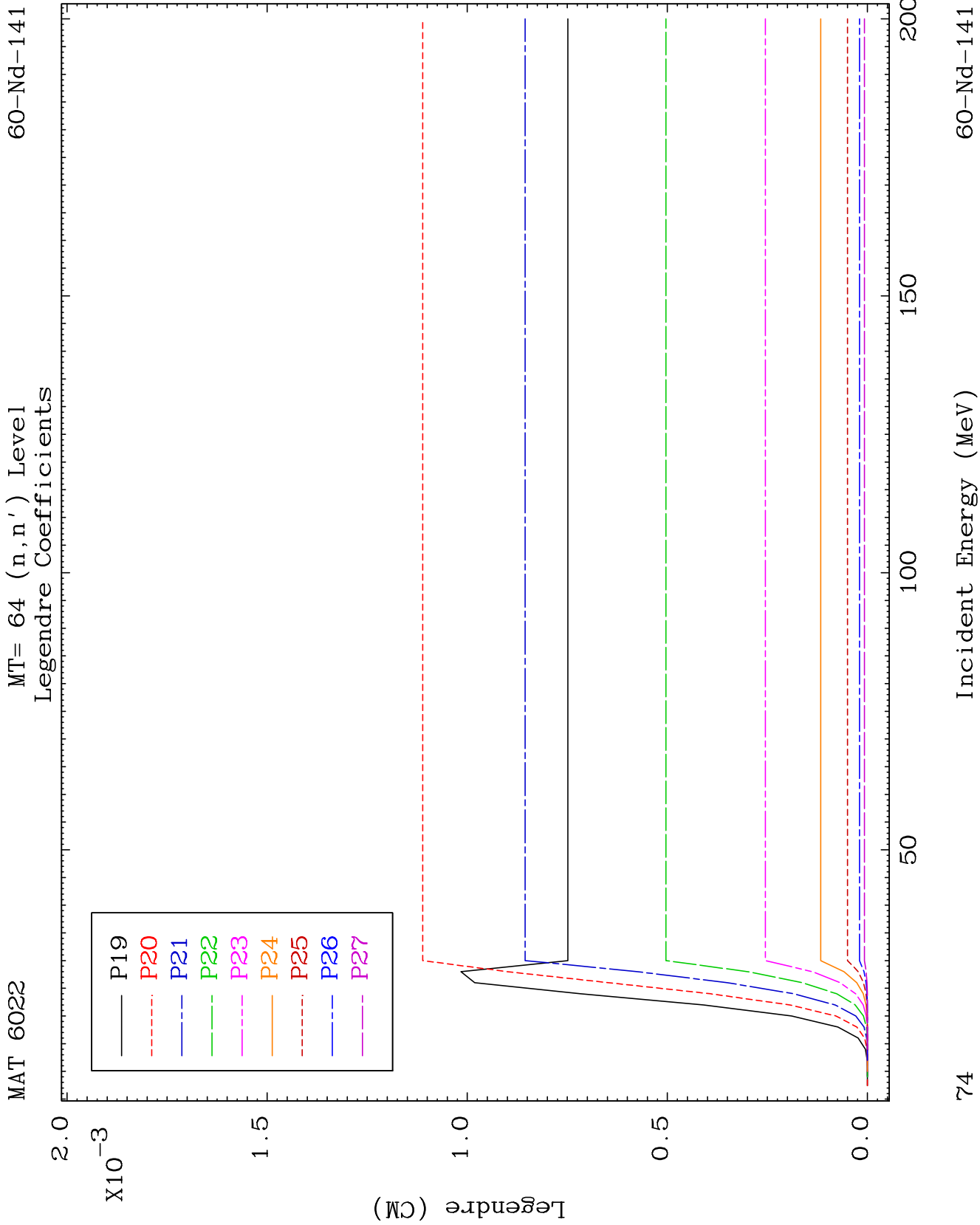


72 60-Nd-141

MAT 6022 MT= 64 (n,n') Level Legendre Coefficients 60-Nd-141



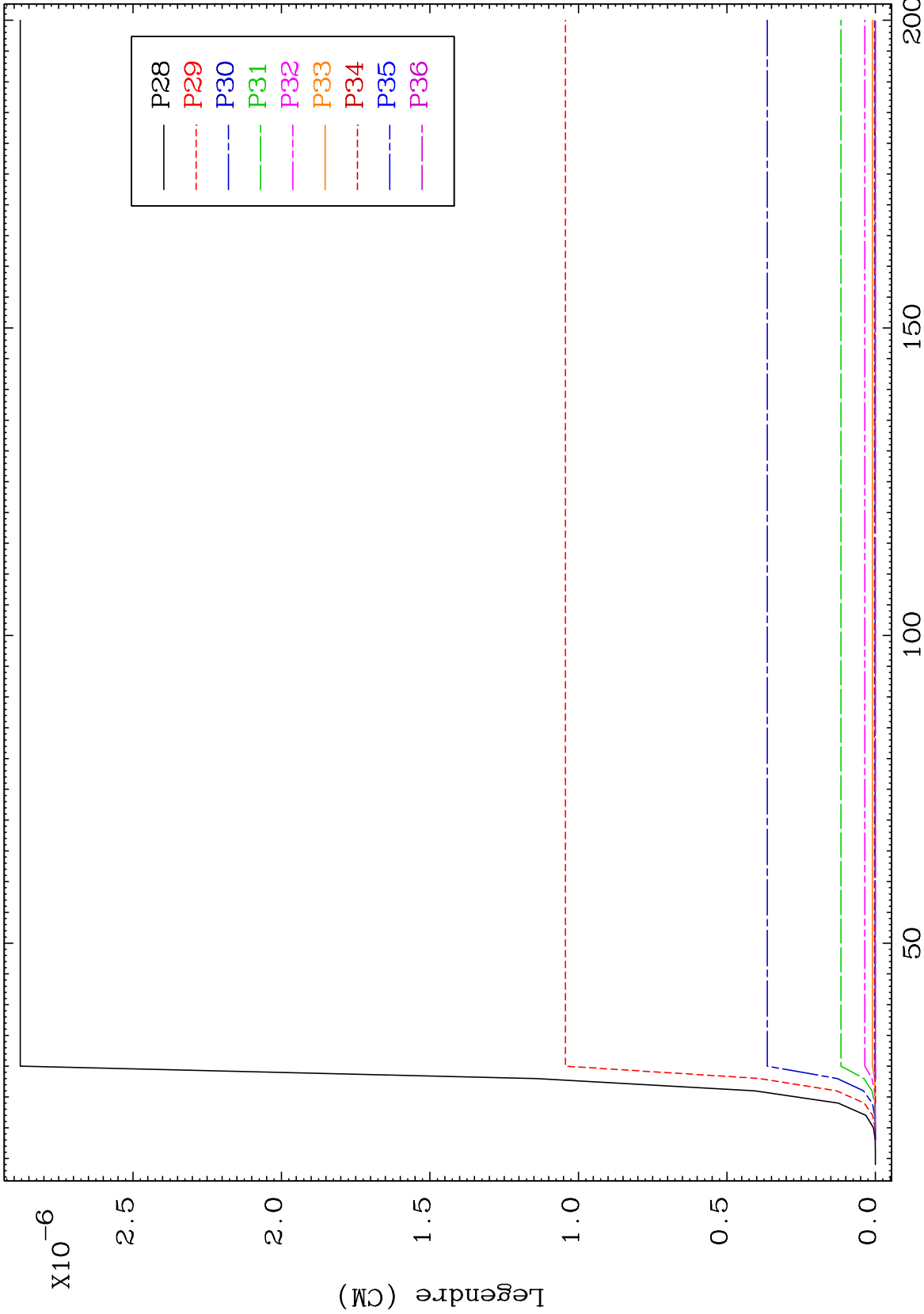
73 60-Nd-141



MAT 6022

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

60-Nd-141

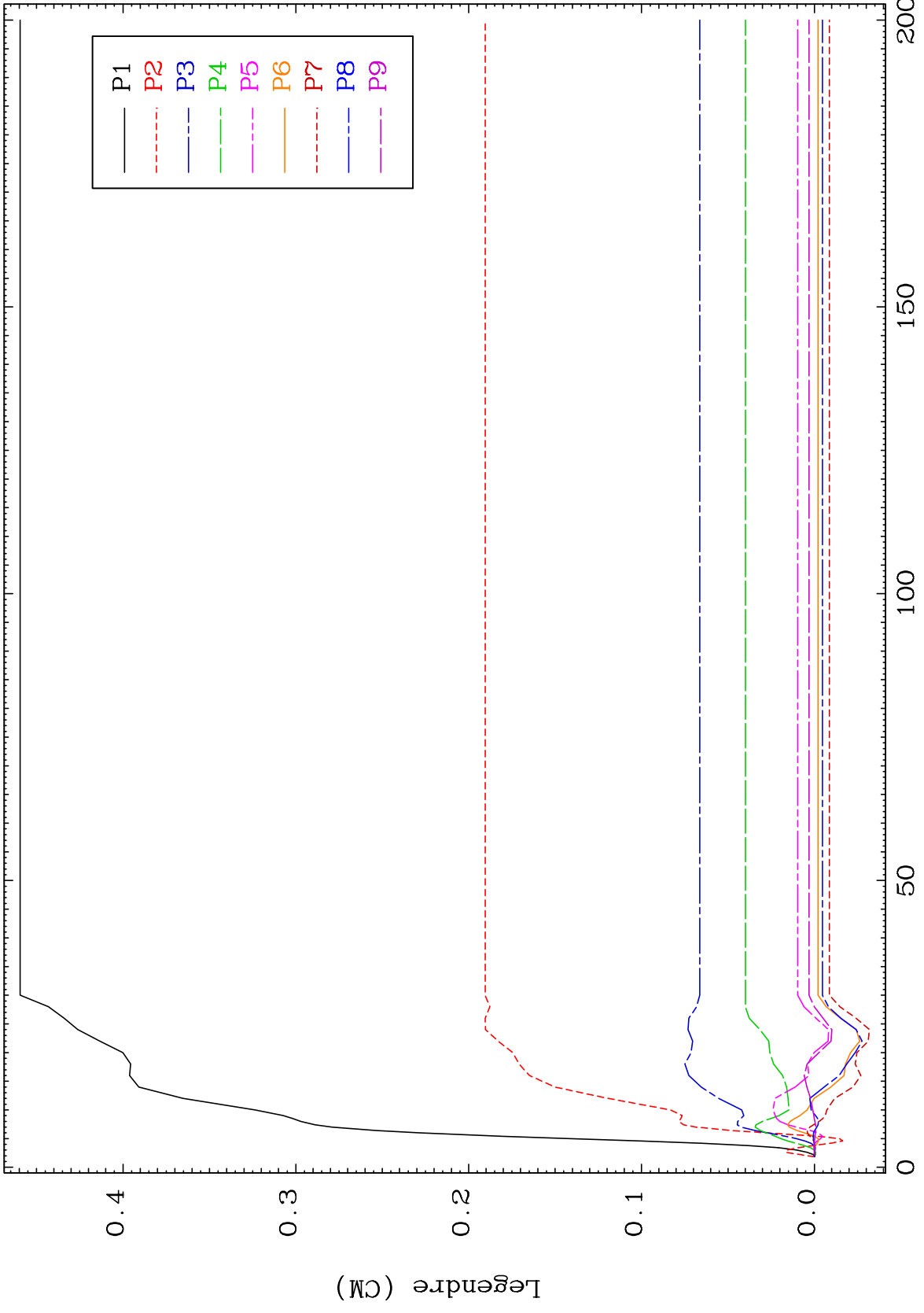


75

Incident Energy (MeV)

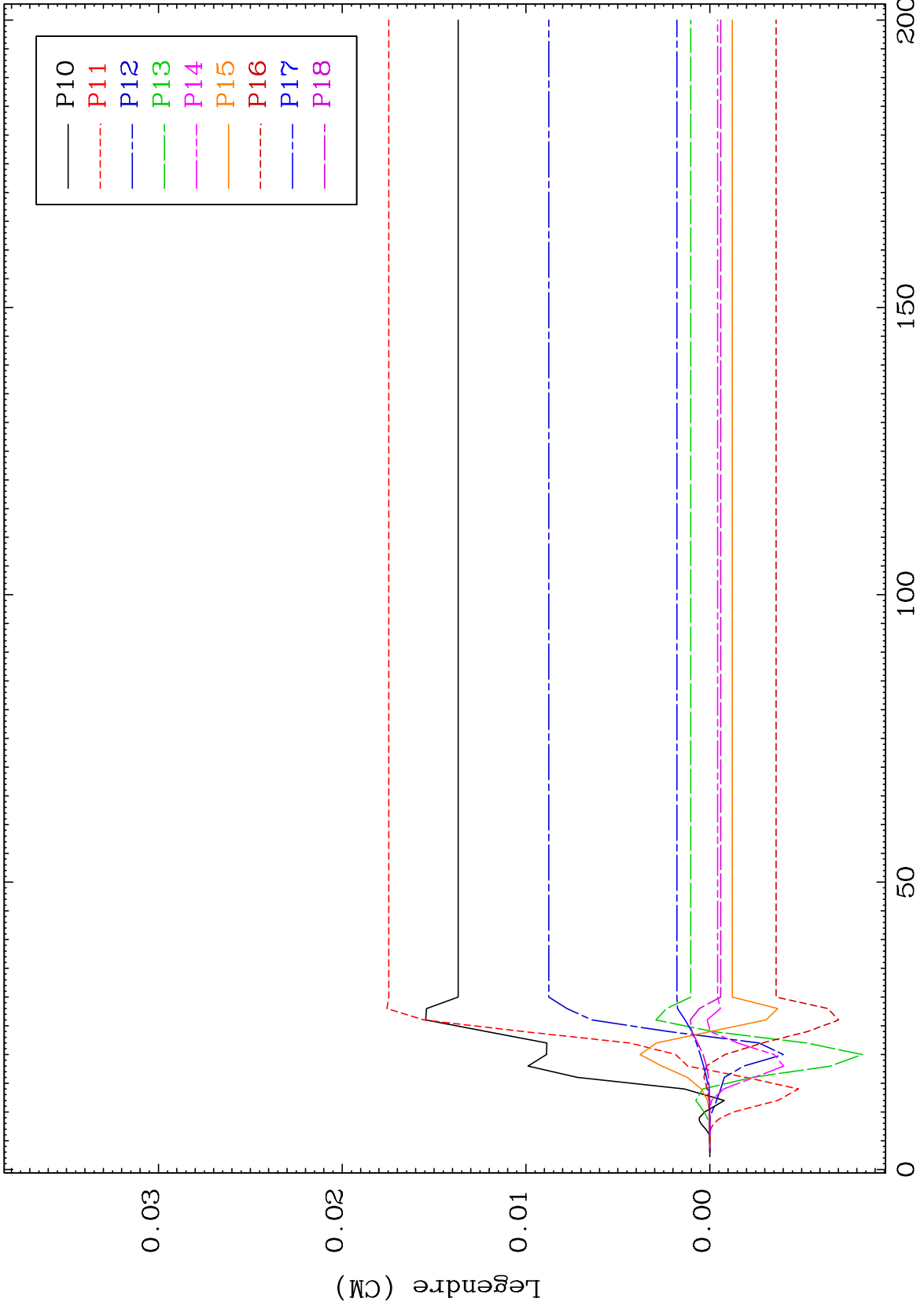
60-Nd-141

MAT 6022 MT= 65 (n,n') Level Legendre Coefficients 60-Nd-141

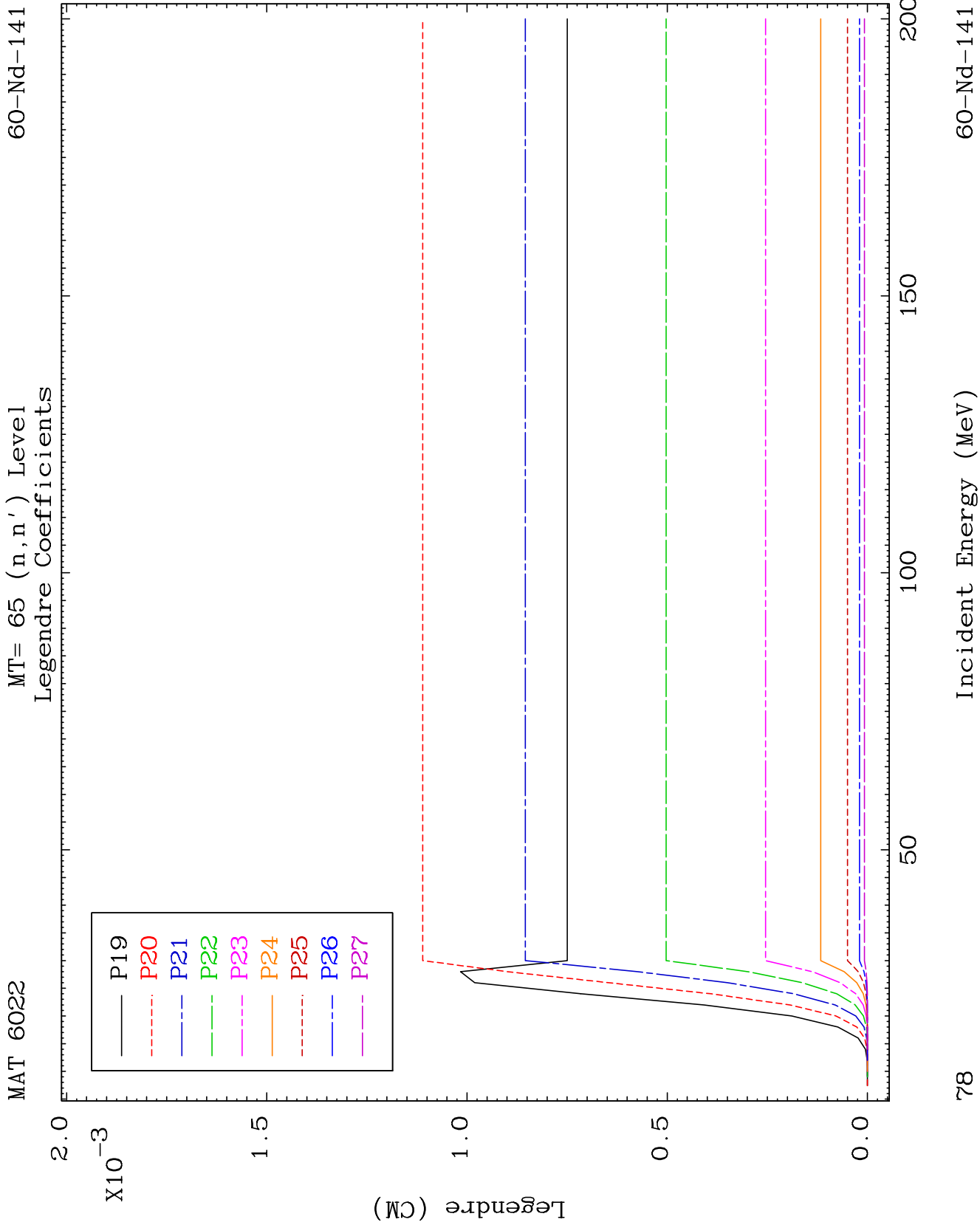


76 Incident Energy (MeV) 60-Nd-141

MAT 6022 MT= 65 (n,n') Level Legendre Coefficients 60-Nd-141



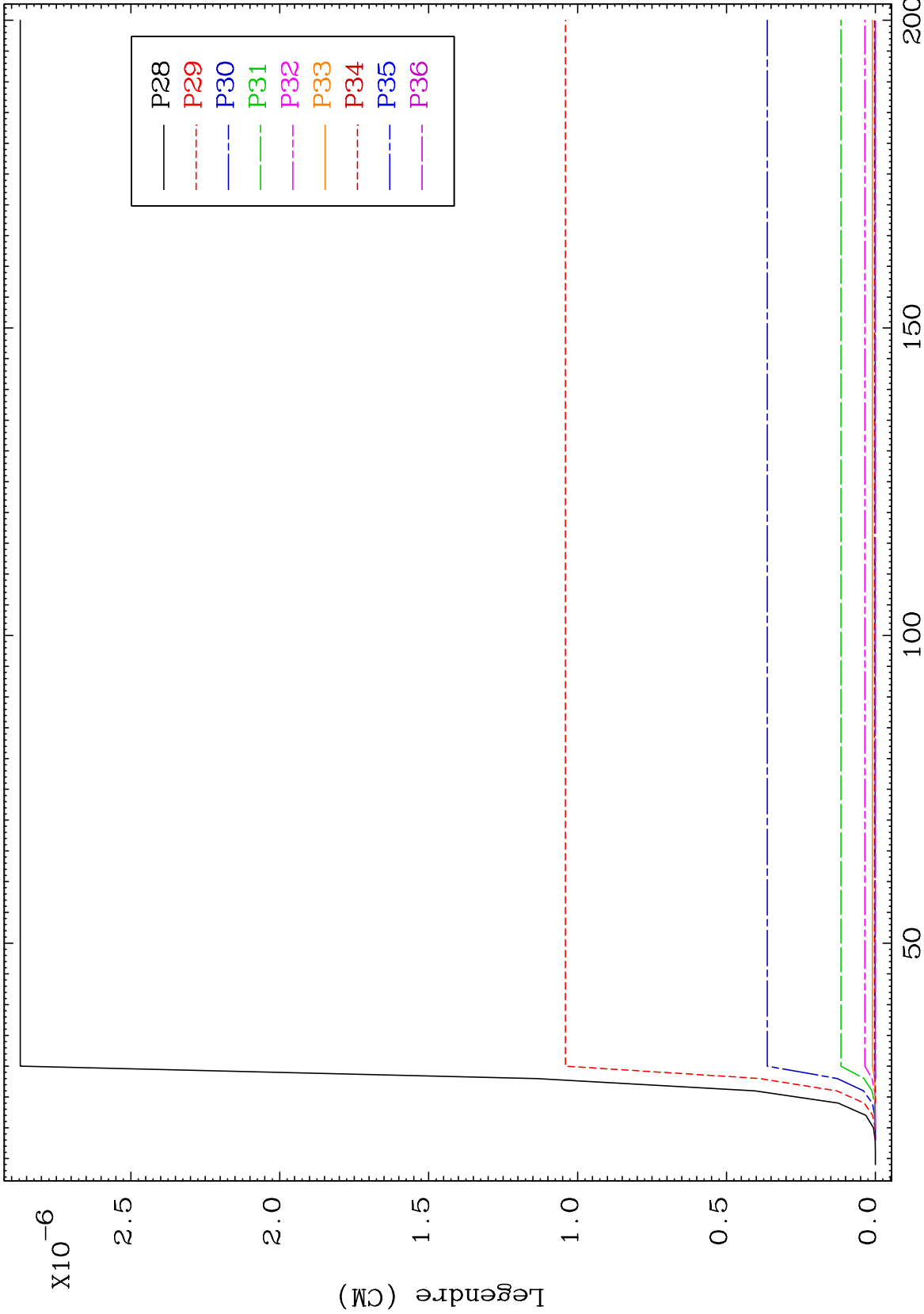
77 60-Nd-141



MAT 6022

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

60-Nd-141



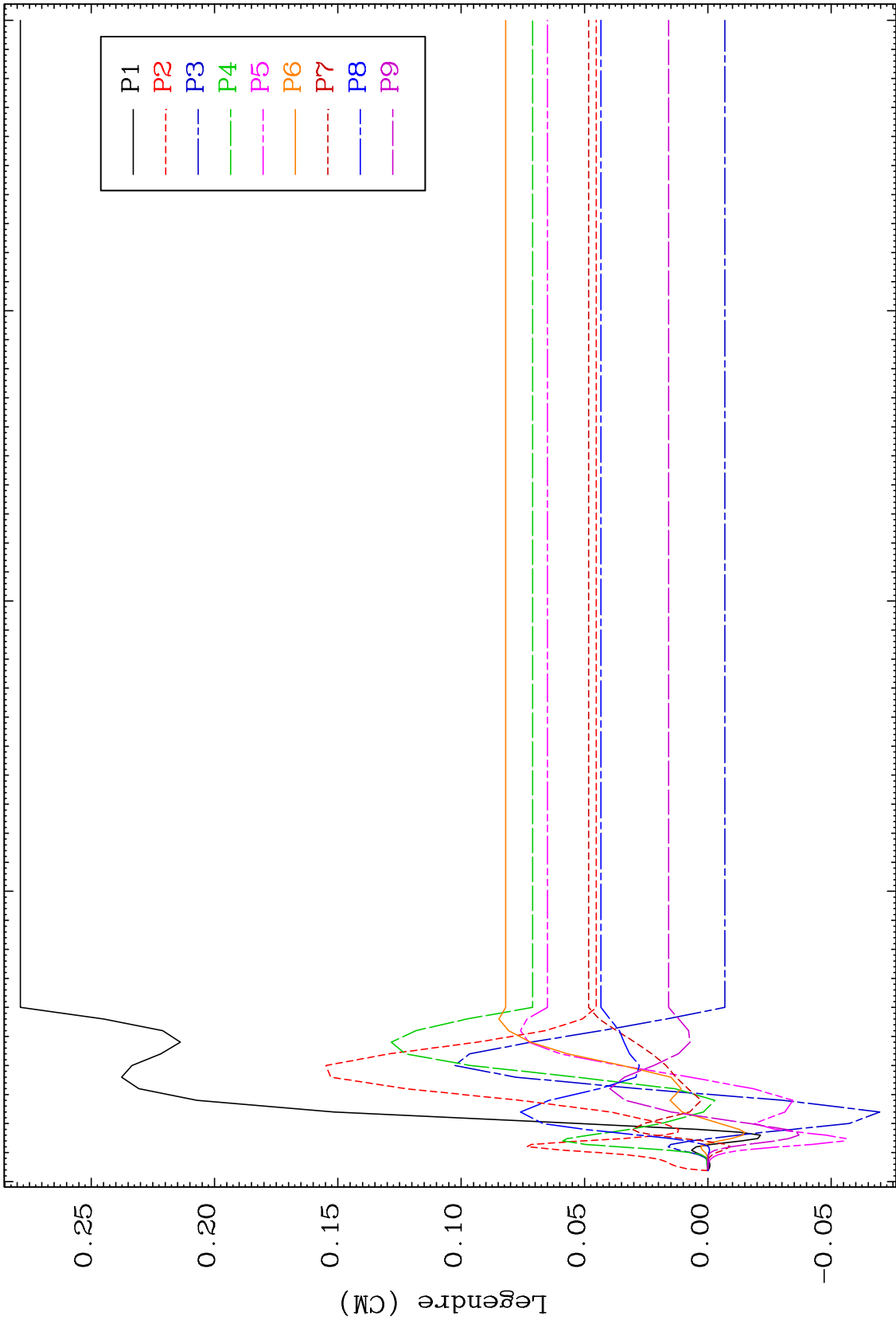
79

60-Nd-141

MAT 6022

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

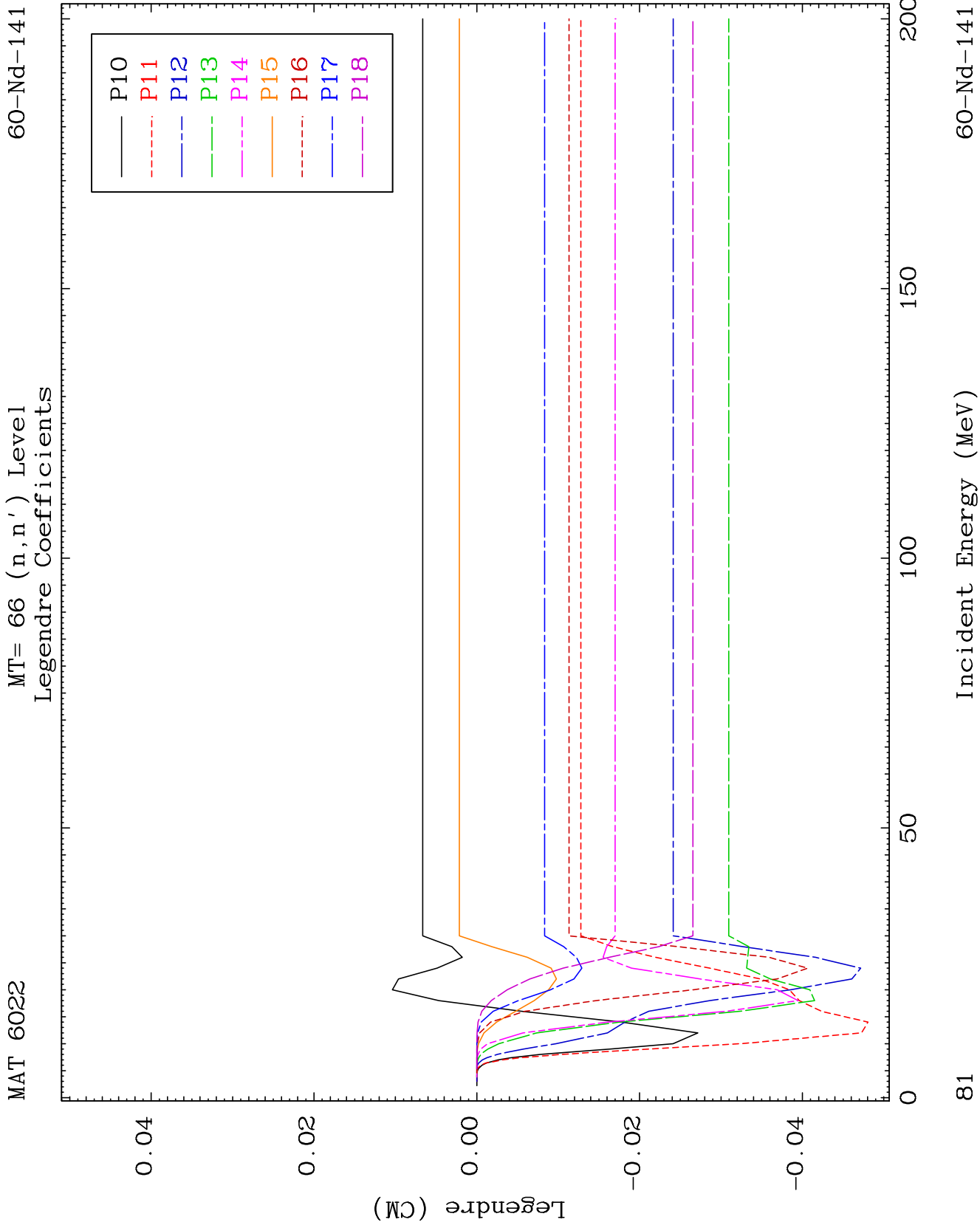
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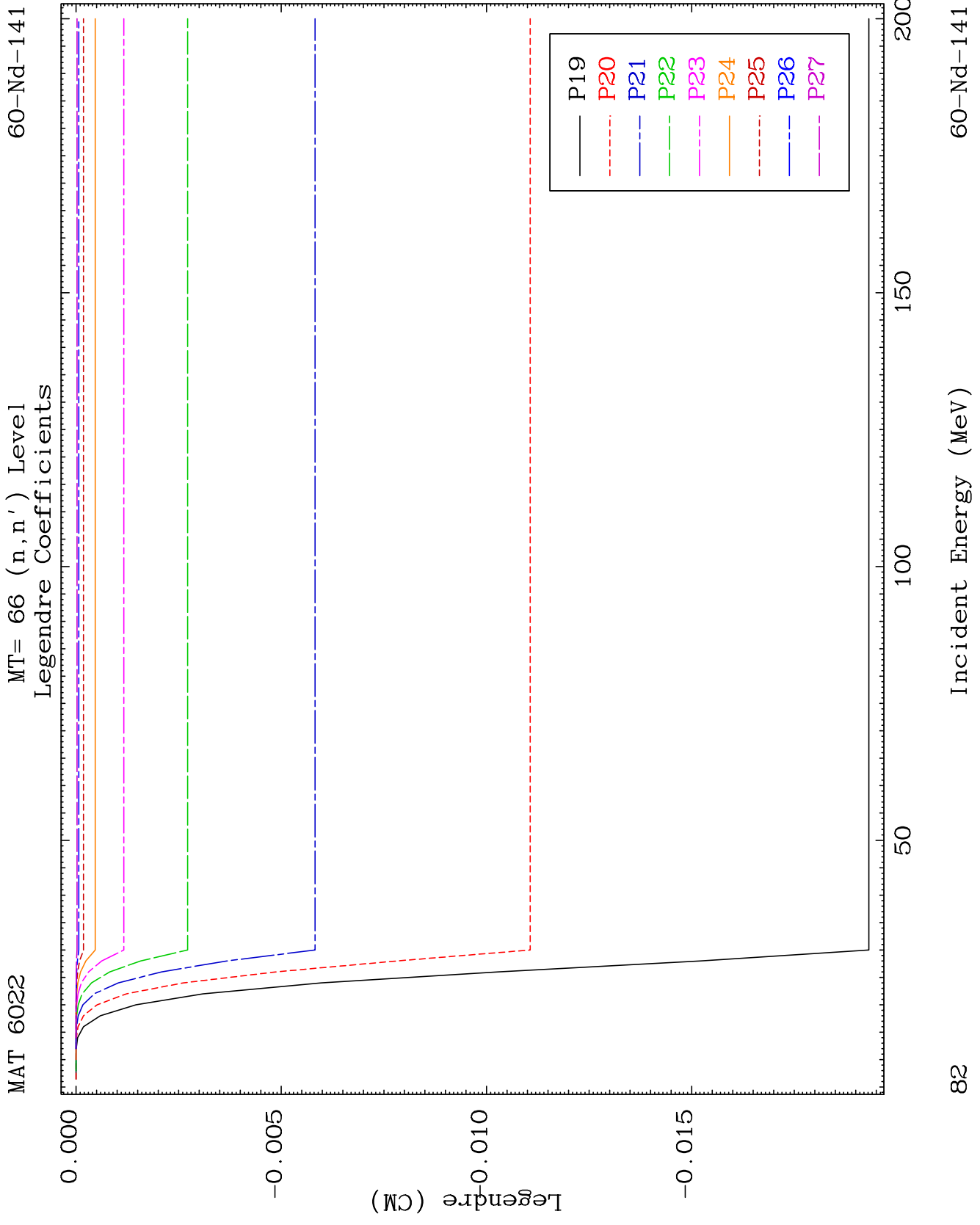


80

Incident Energy (MeV)

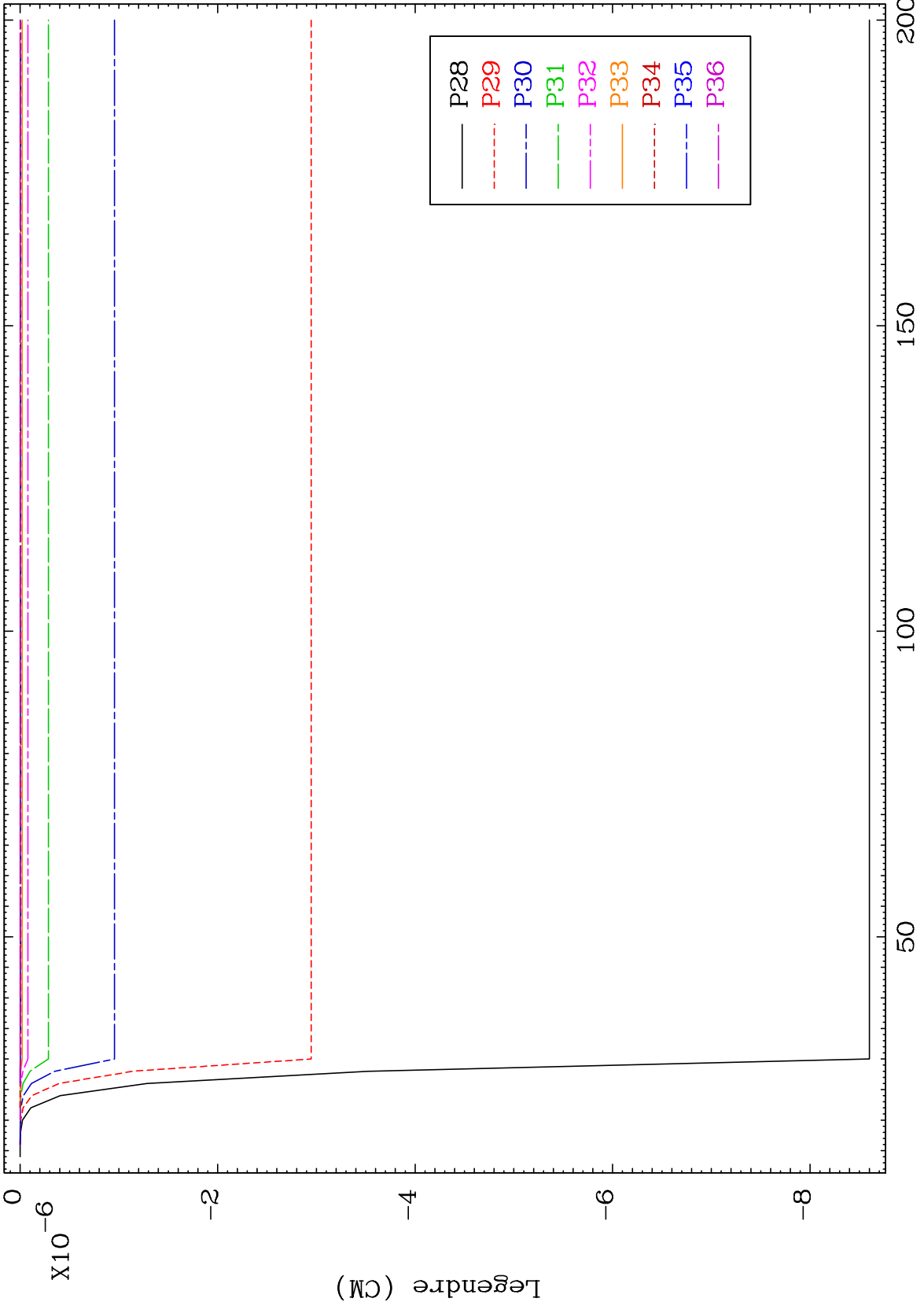
60-Nd-141



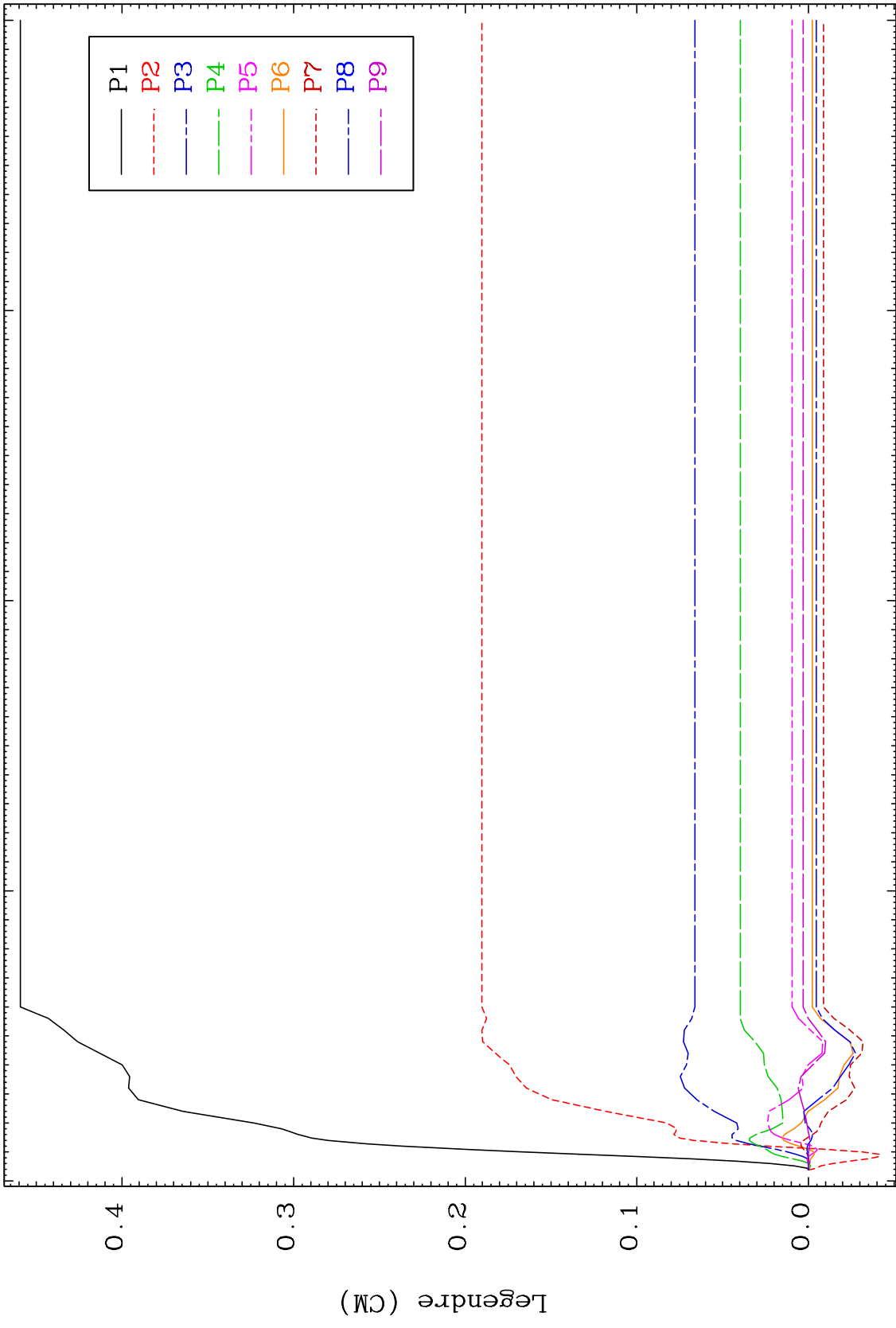


MAT 6022 MT= 66 (n,n') Level 60-Nd-141

Legendre Coefficients

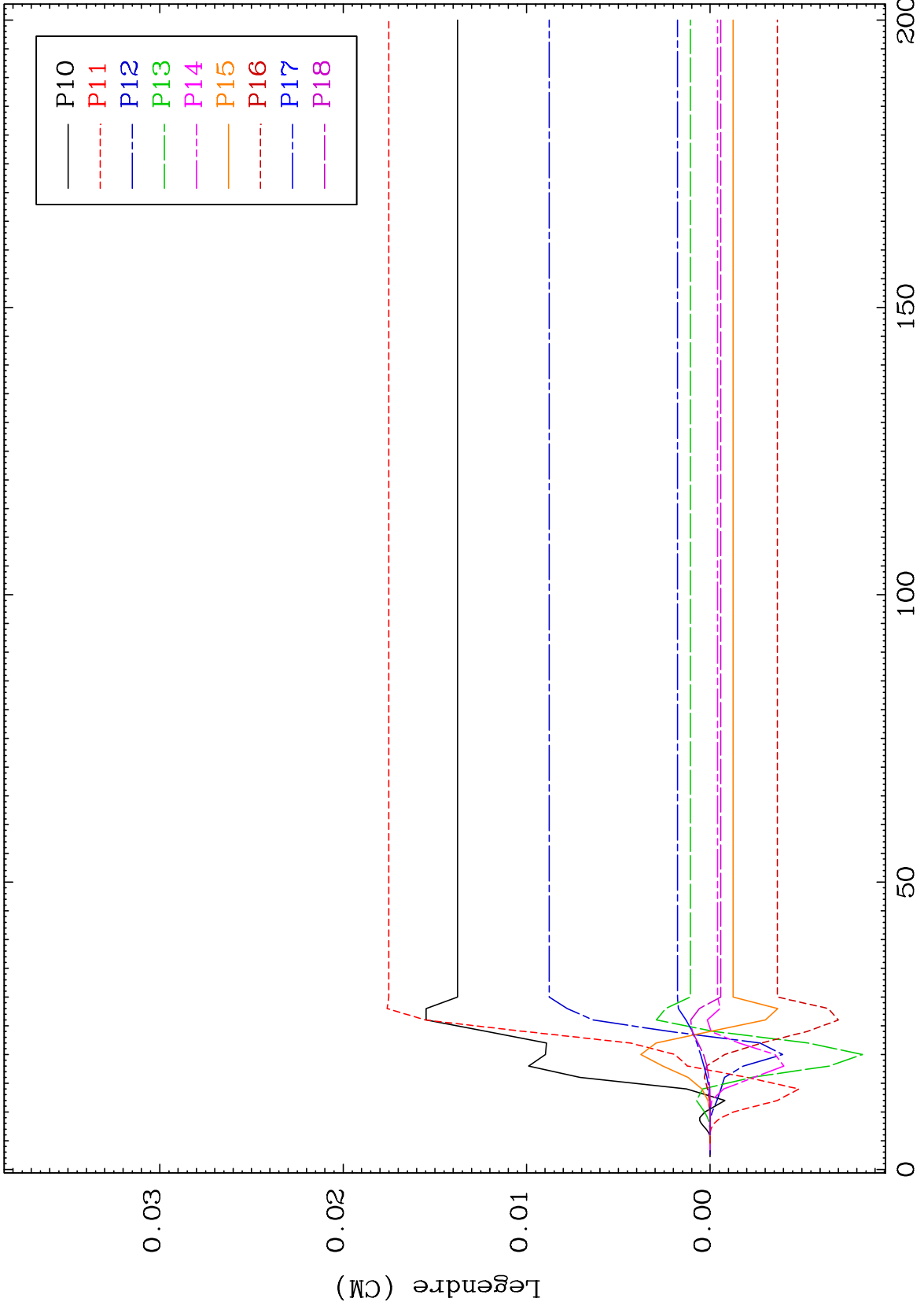


MAT 6022 MT= 67 (n,n') Level Legendre Coefficients 60-Nd-141

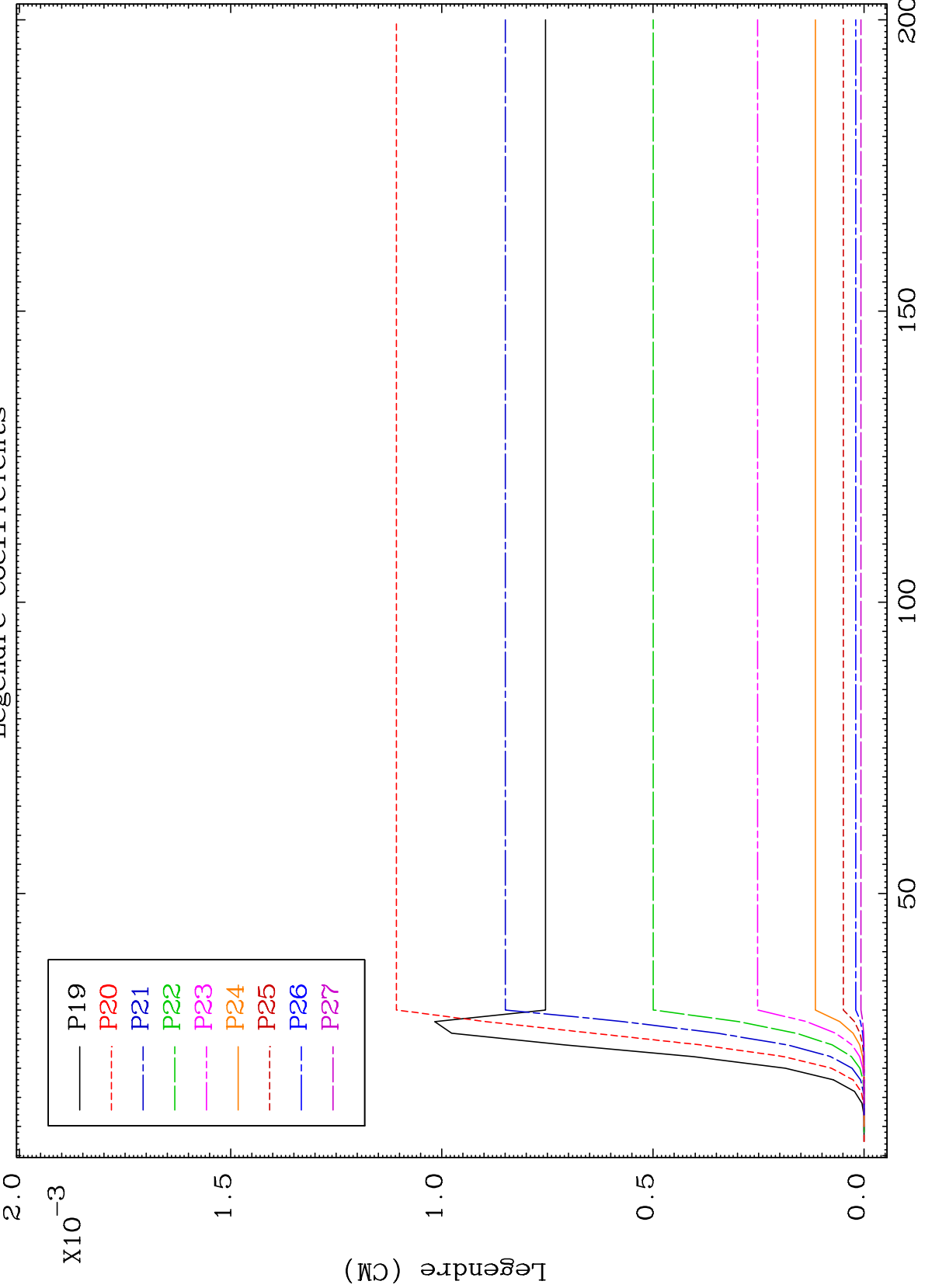


84 Incident Energy (MeV) 60-Nd-141

MAT 6022 MT= 67 (n,n') Level Legendre Coefficients 60-Nd-141



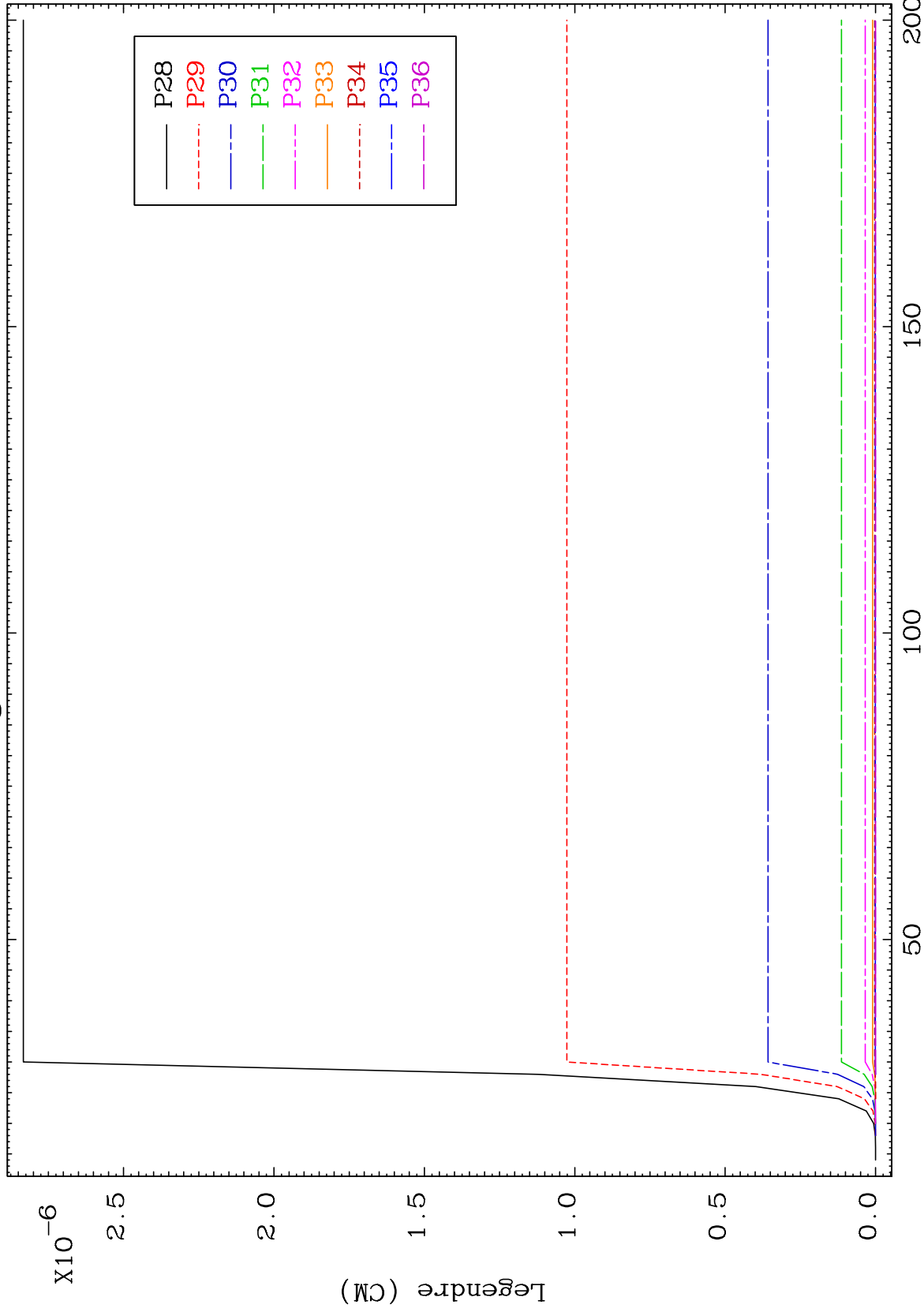
85 Incident Energy (MeV) 60-Nd-141



MAT 6022

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

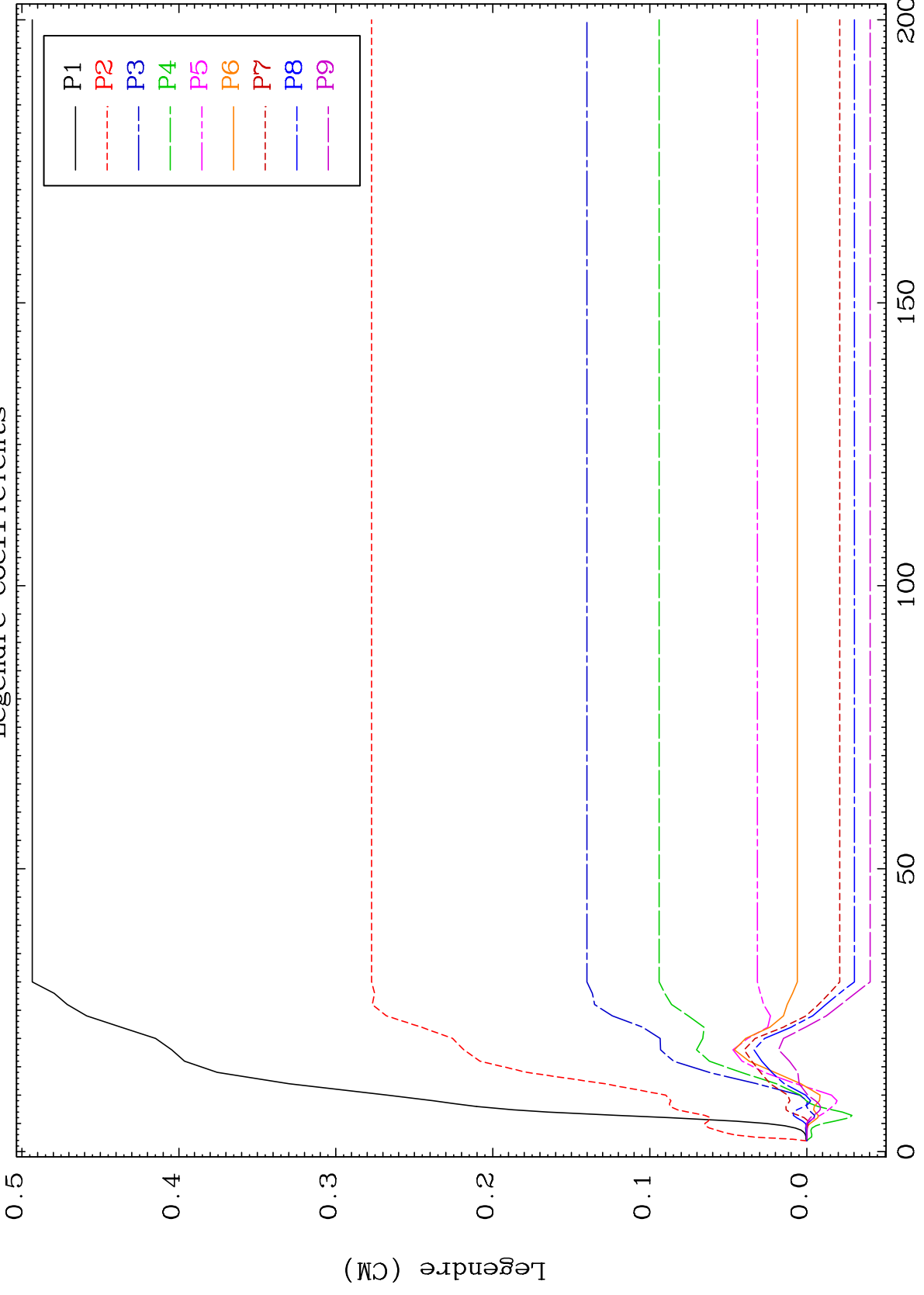
60-Nd-141



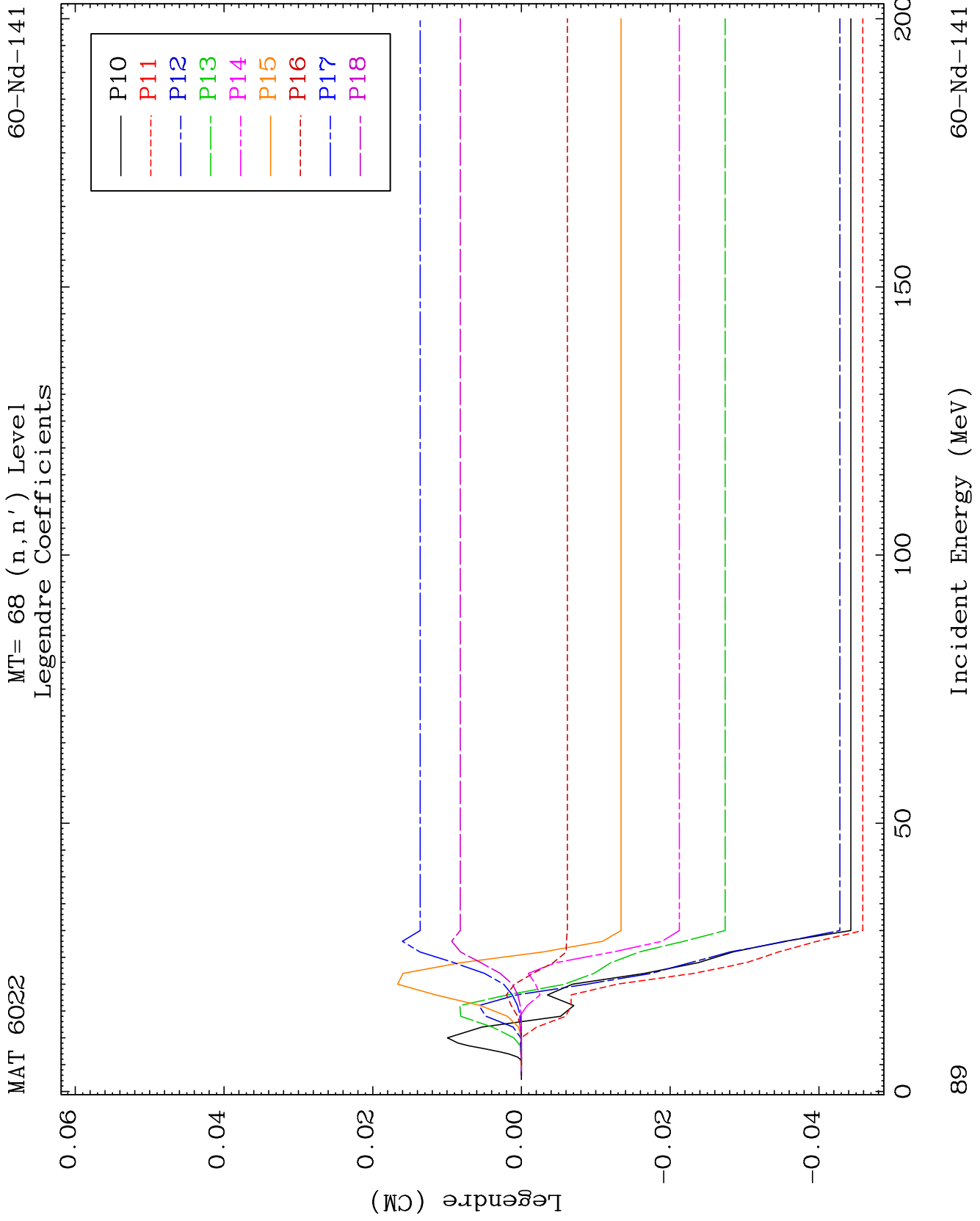
87

60-Nd-141

MAT 6022 MT= 68 (n,n') Level Legendre Coefficients 60-Nd-141



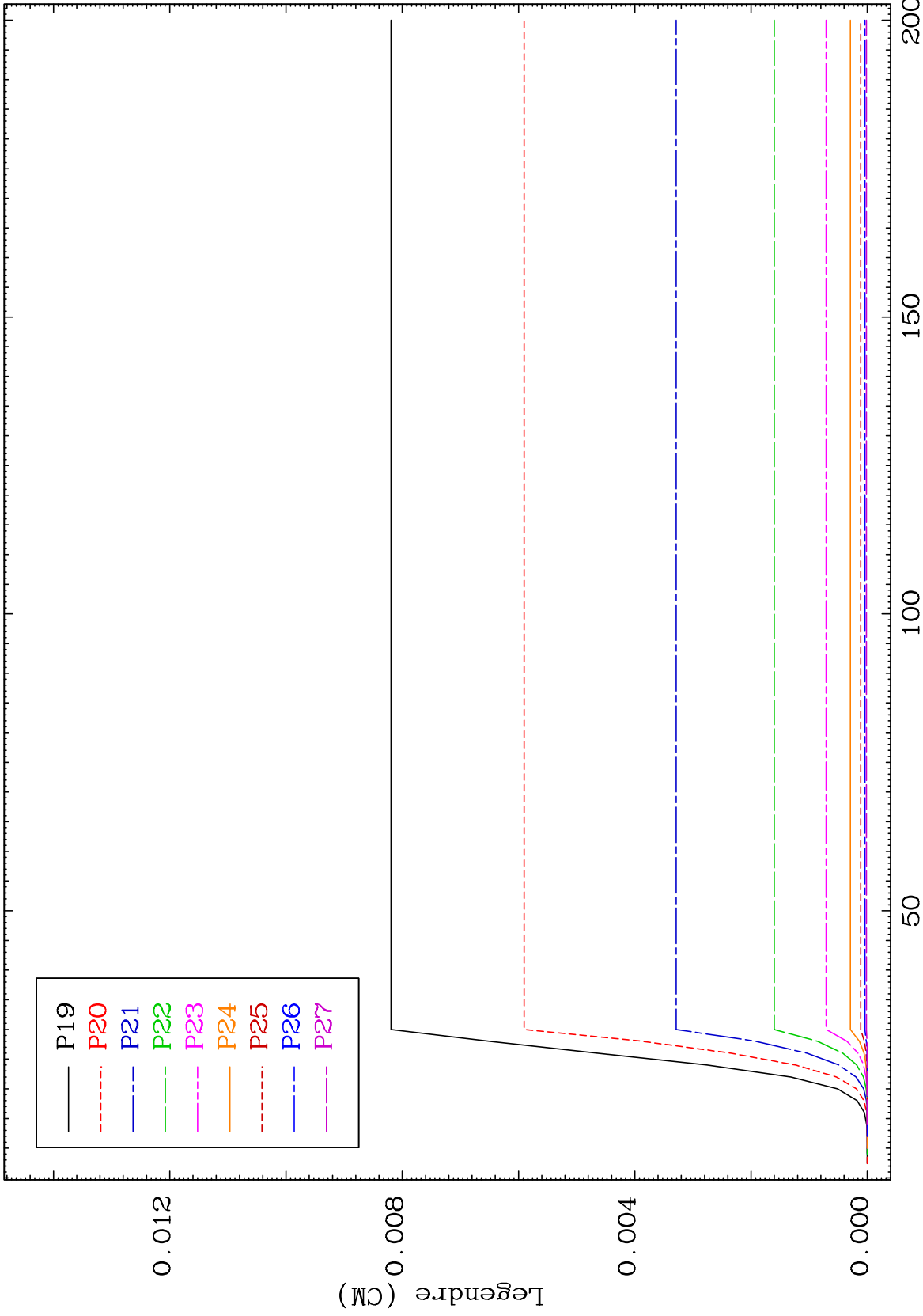
88 Incident Energy (MeV) 60-Nd-141



MAT 6022

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

60-Nd-141



90

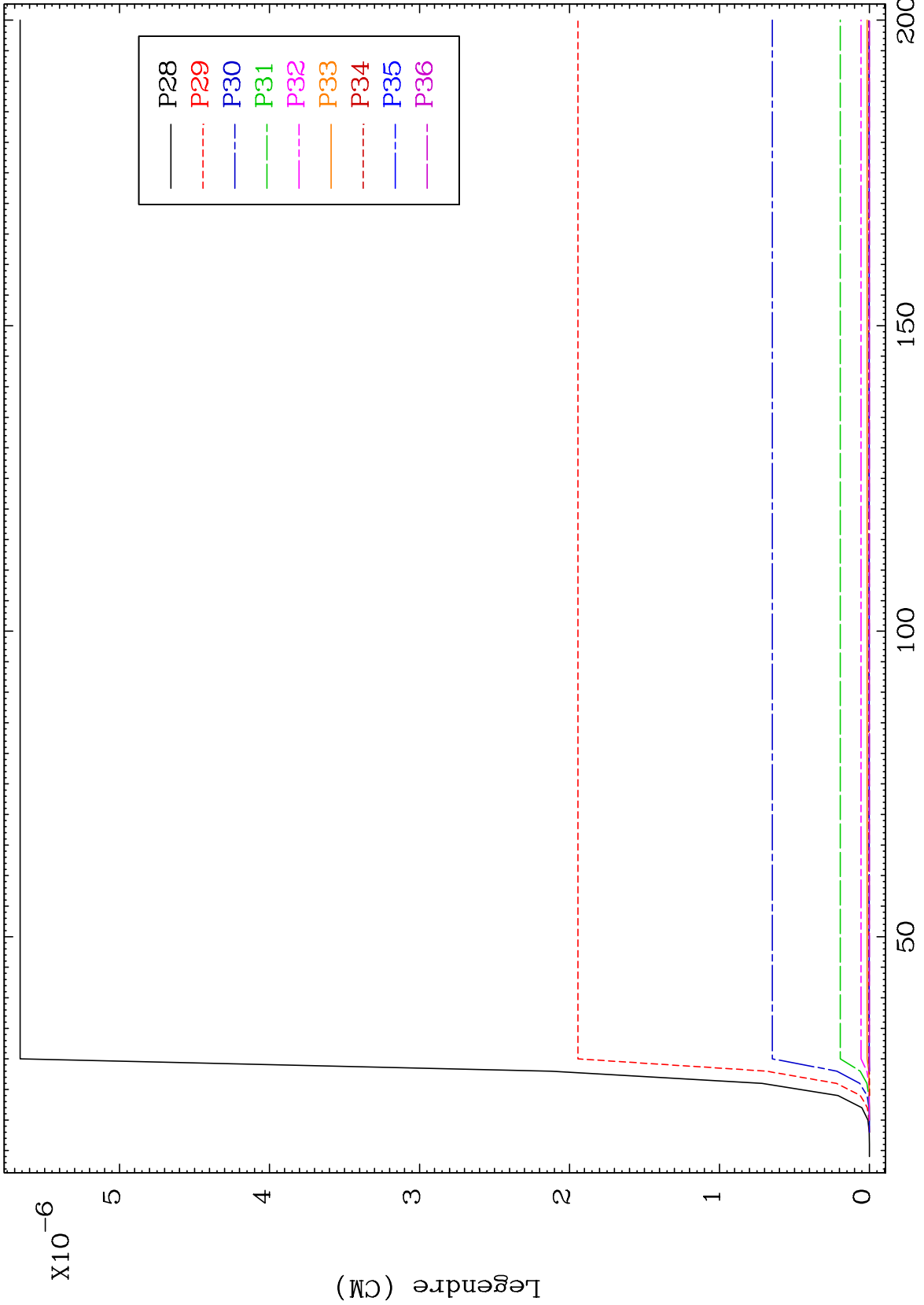
Incident Energy (MeV)

60-Nd-141

MAT 6022

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

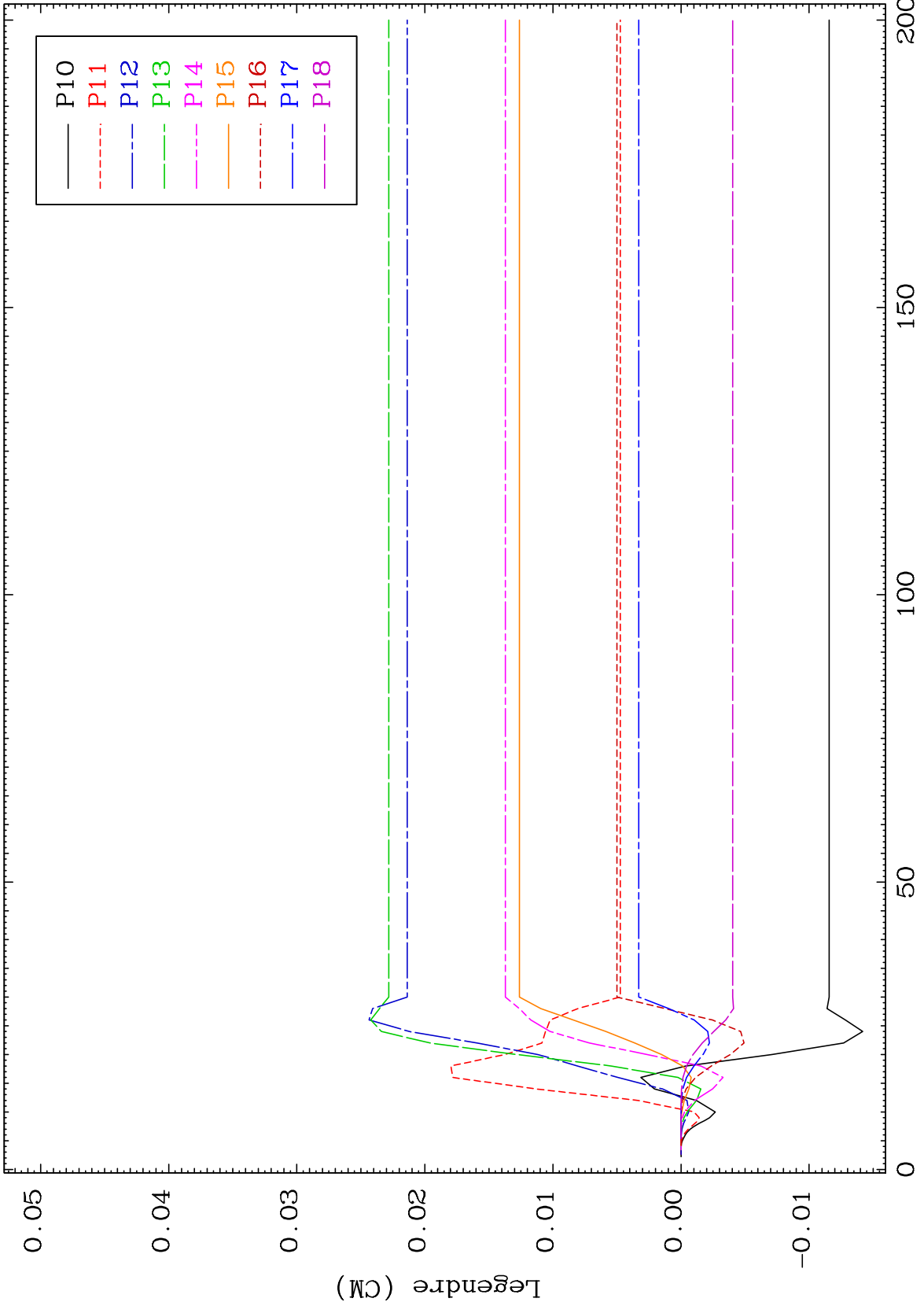
60-Nd-141



91

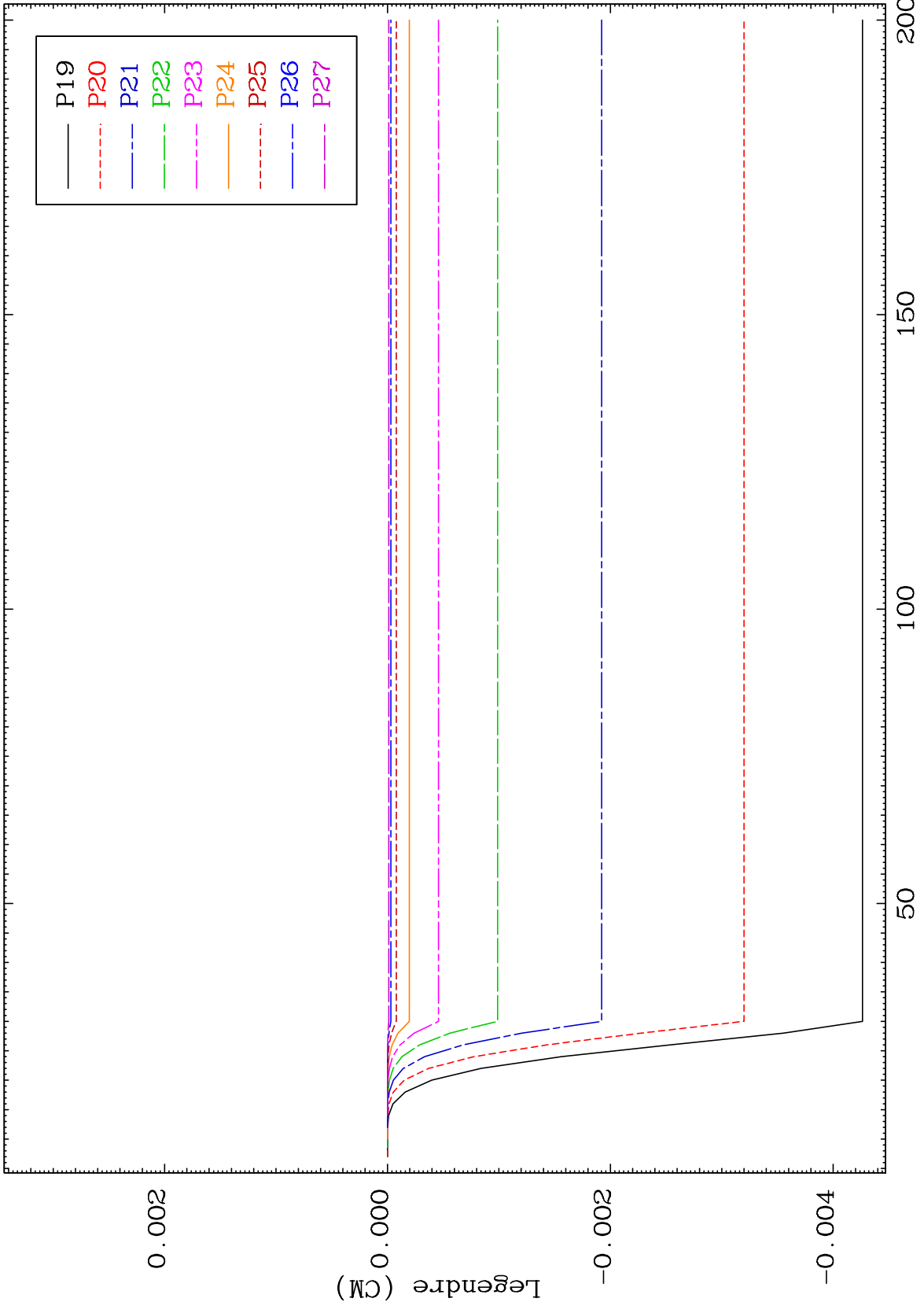
60-Nd-141

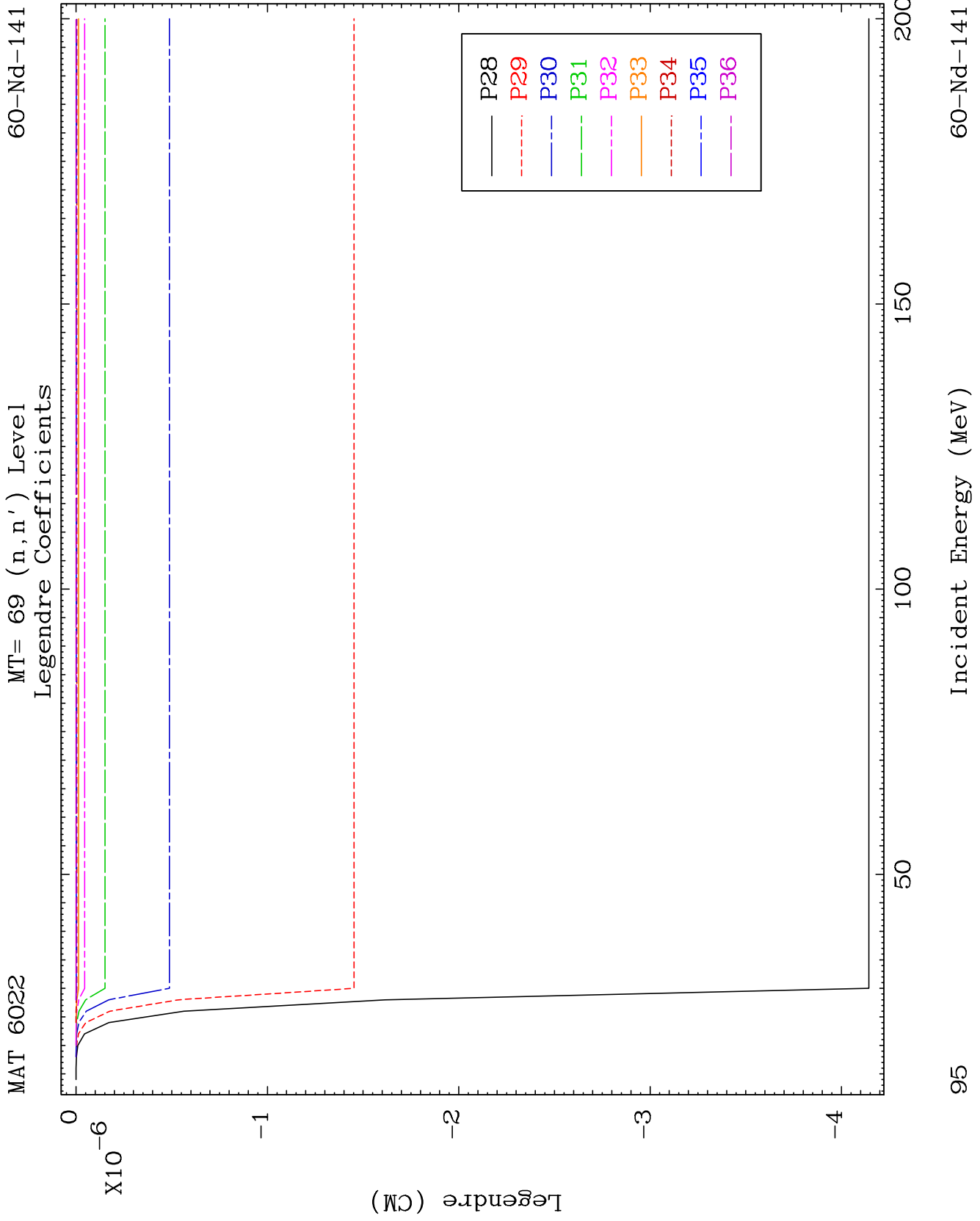
MAT 6022 MT= 69 (n,n') Level Legendre Coefficients 60-Nd-141



93 Incident Energy (MeV) 60-Nd-141

MAT 6022 MT= 69 (n,n') Level Legendre Coefficients 60-Nd-141

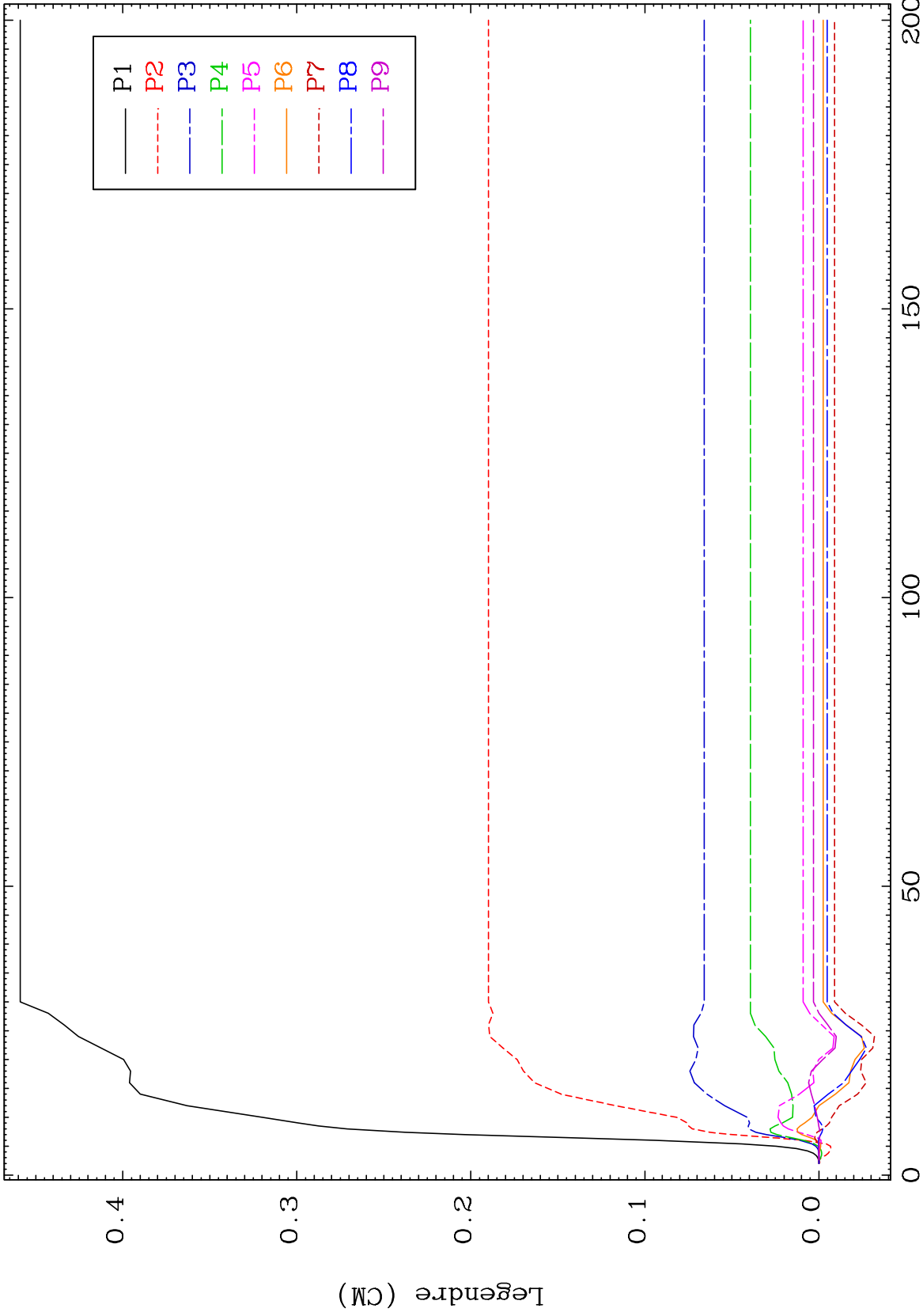




MAT 6022

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

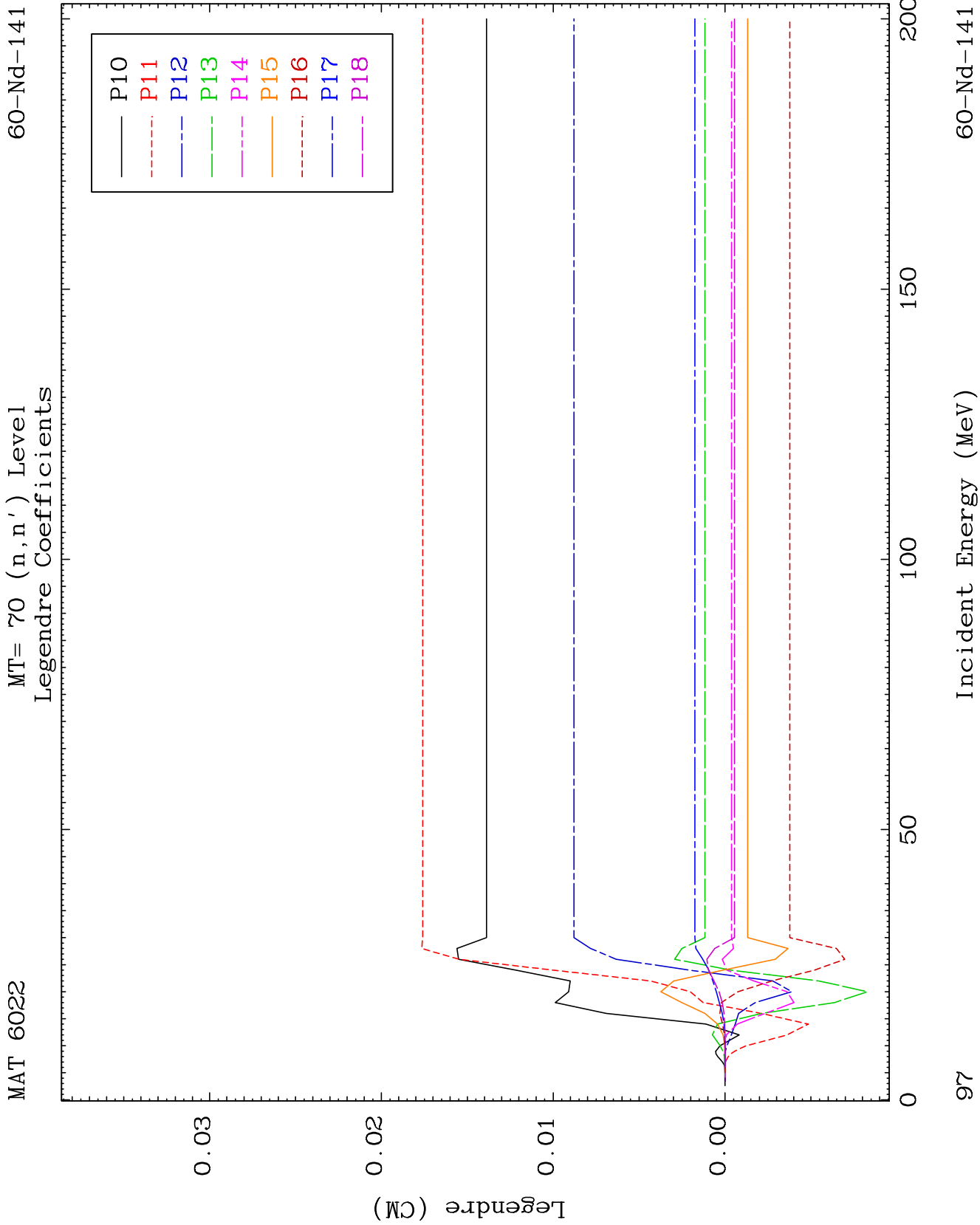
60-Nd-141



96

Incident Energy (MeV)

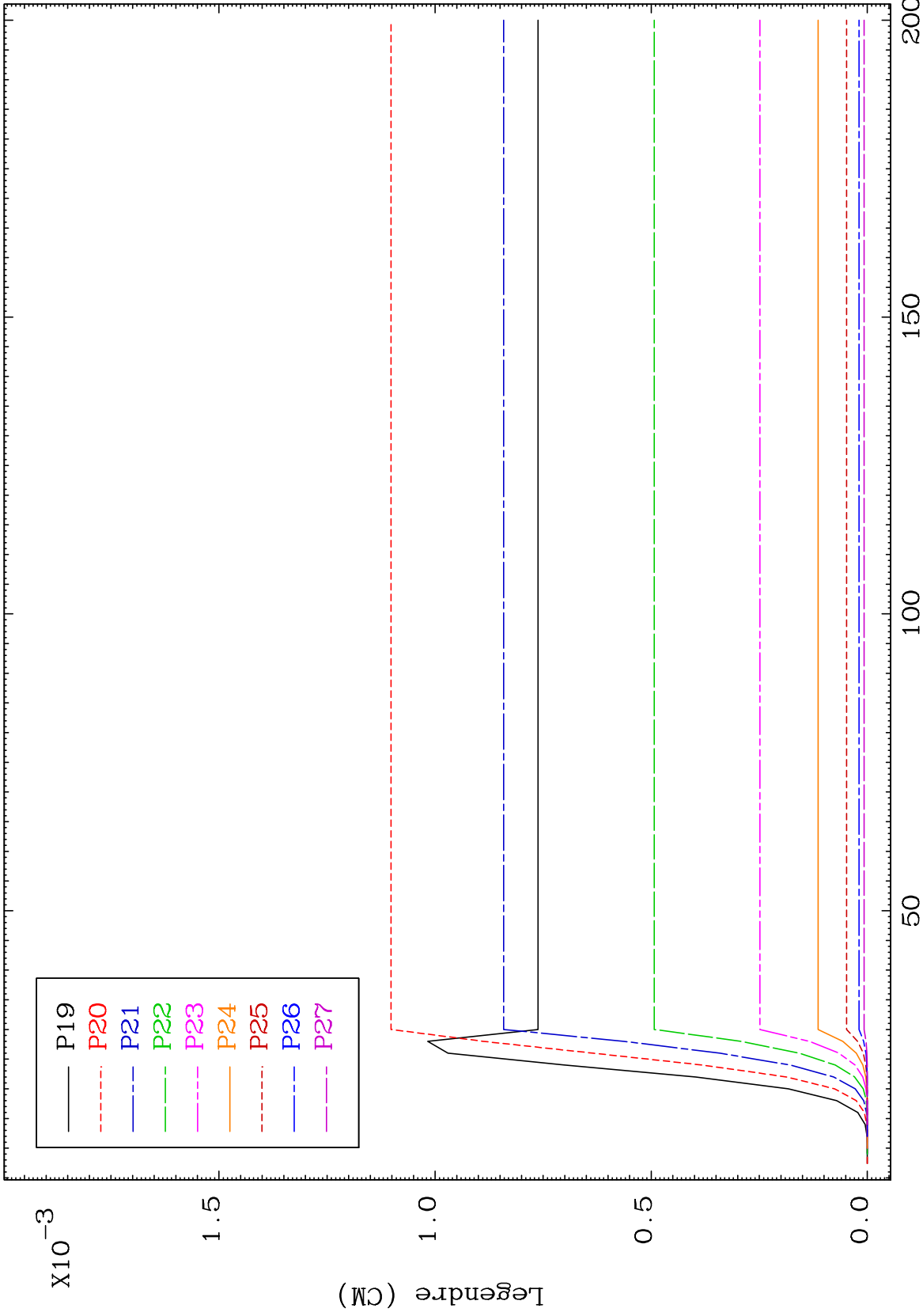
60-Nd-141



MAT 6022

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

60-Nd-141

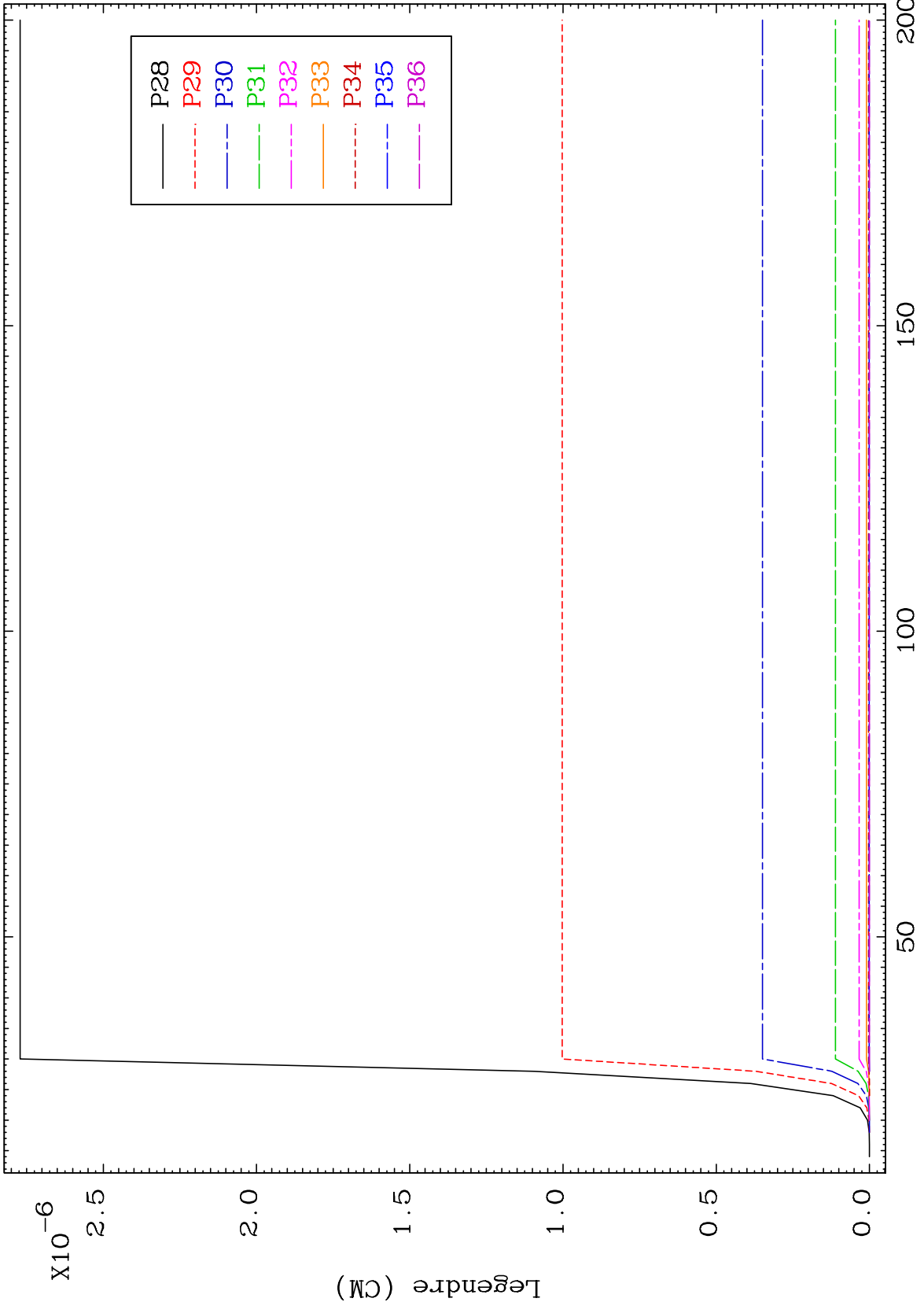


98

Incident Energy (MeV)

60-Nd-141

MAT 6022 MT= 70 (n,n') Level Legendre Coefficients 60-Nd-141

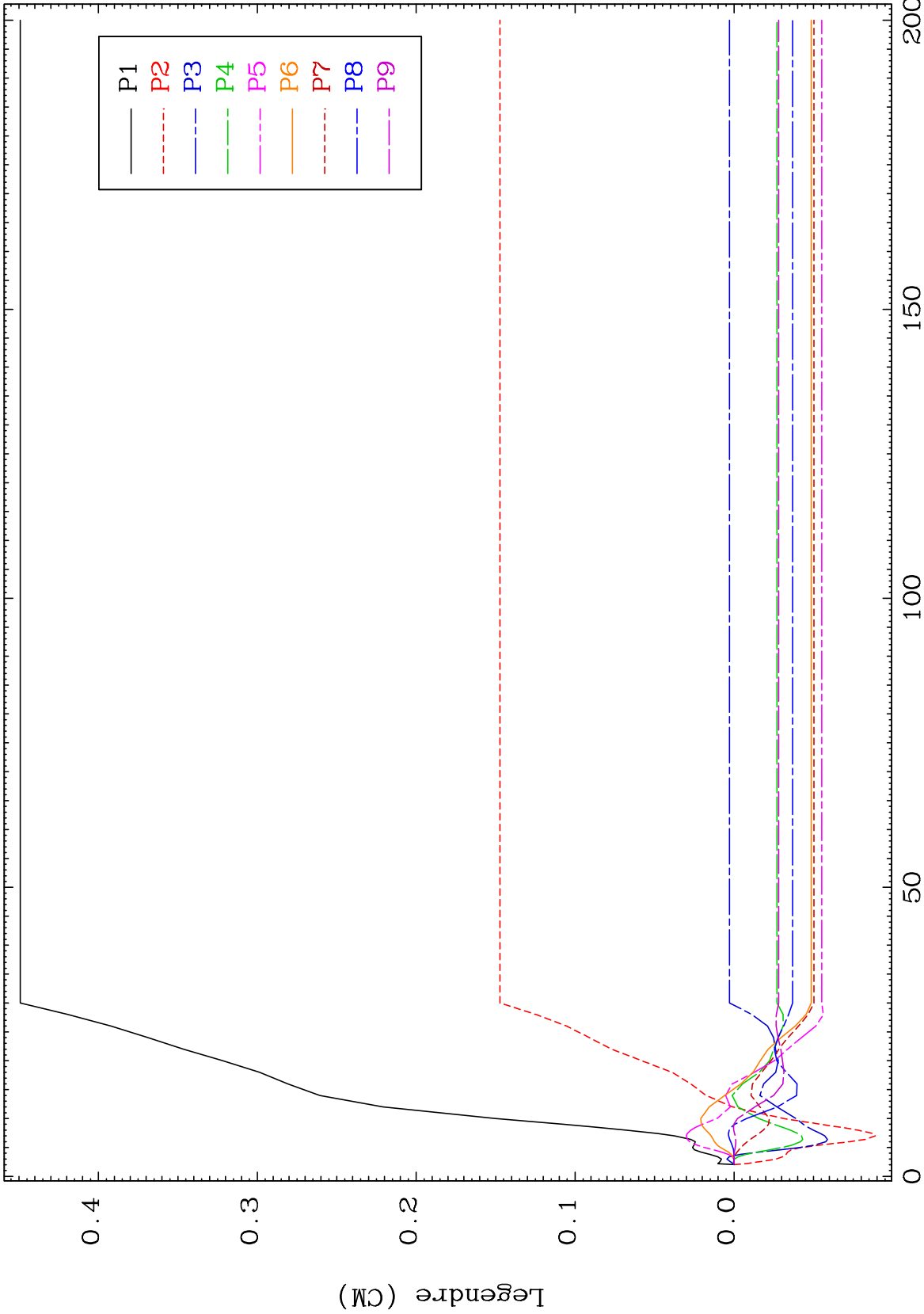


99 60-Nd-141

MAT 6022

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

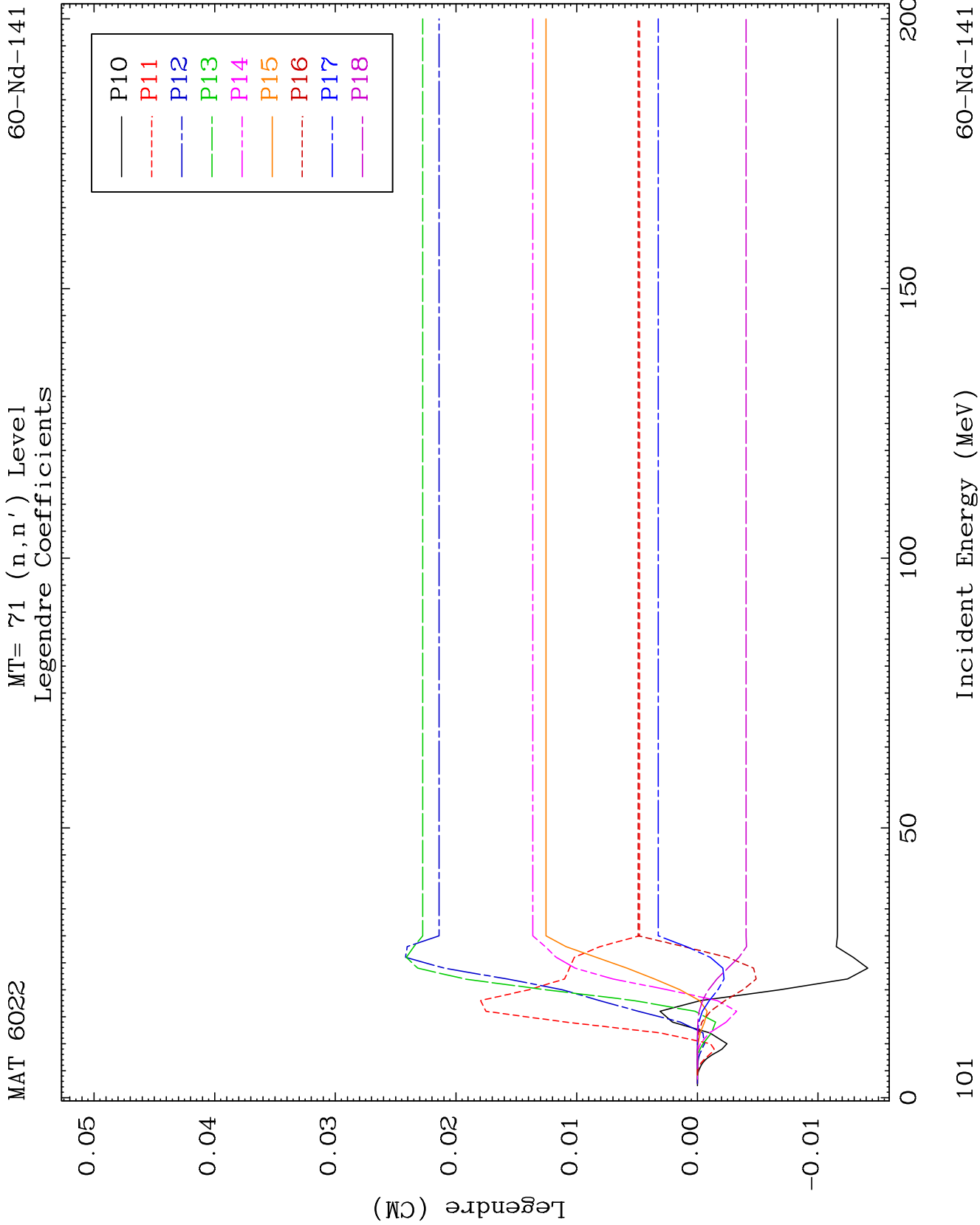
60-Nd-141



60-Nd-141

Incident Energy (MeV)

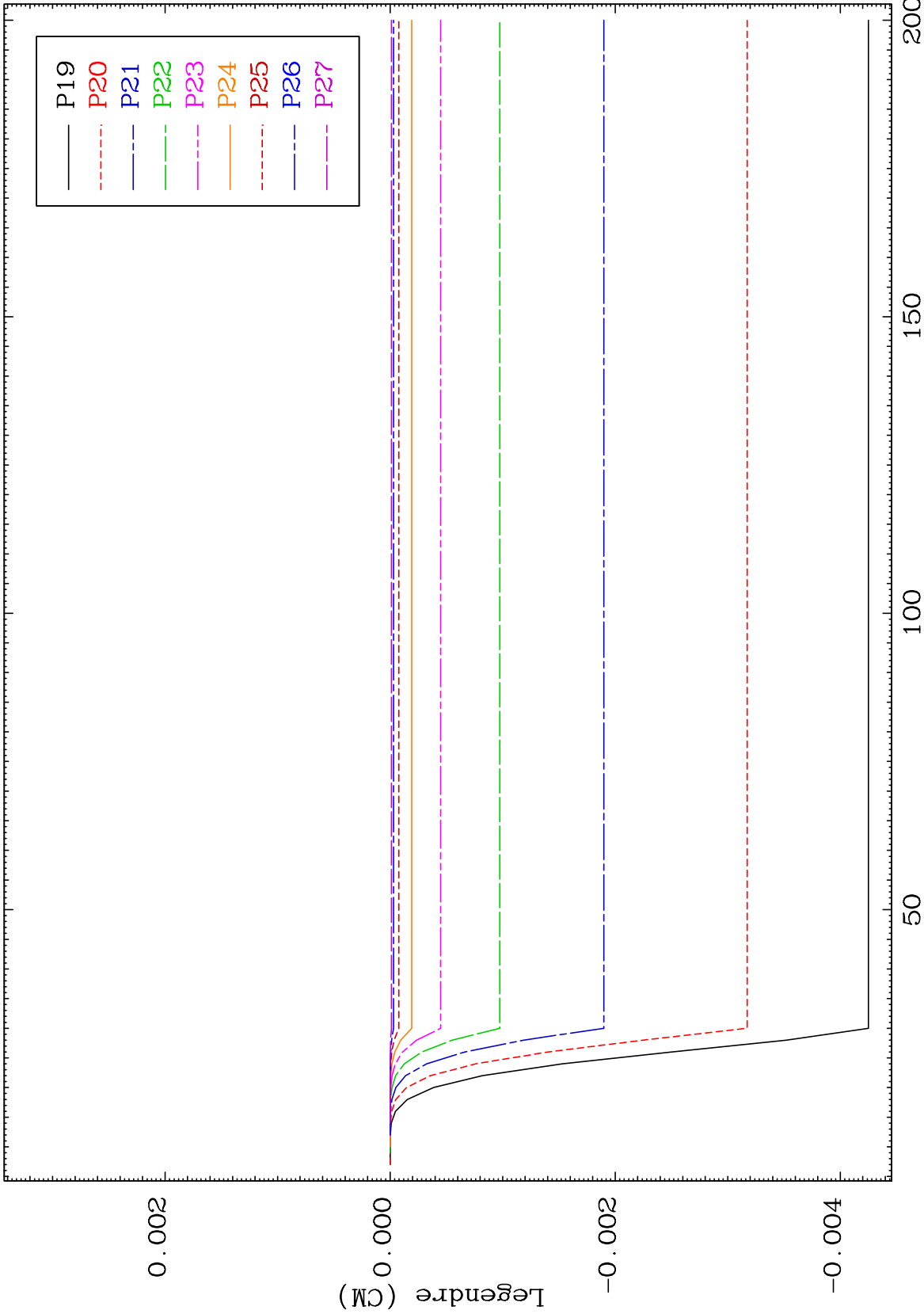
Legendre (CM)



MAT 6022

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

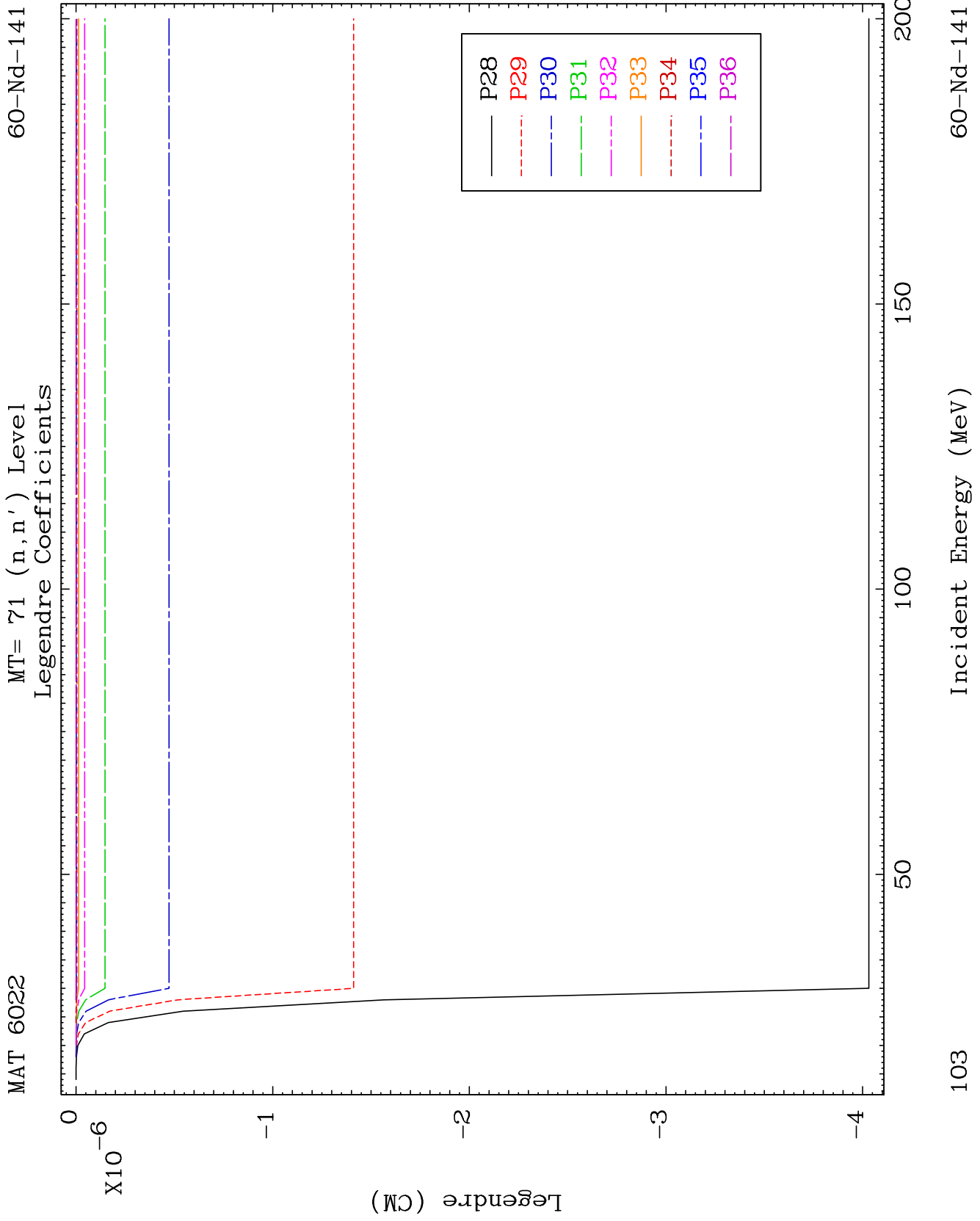
60-Nd-141



102

Incident Energy (MeV)

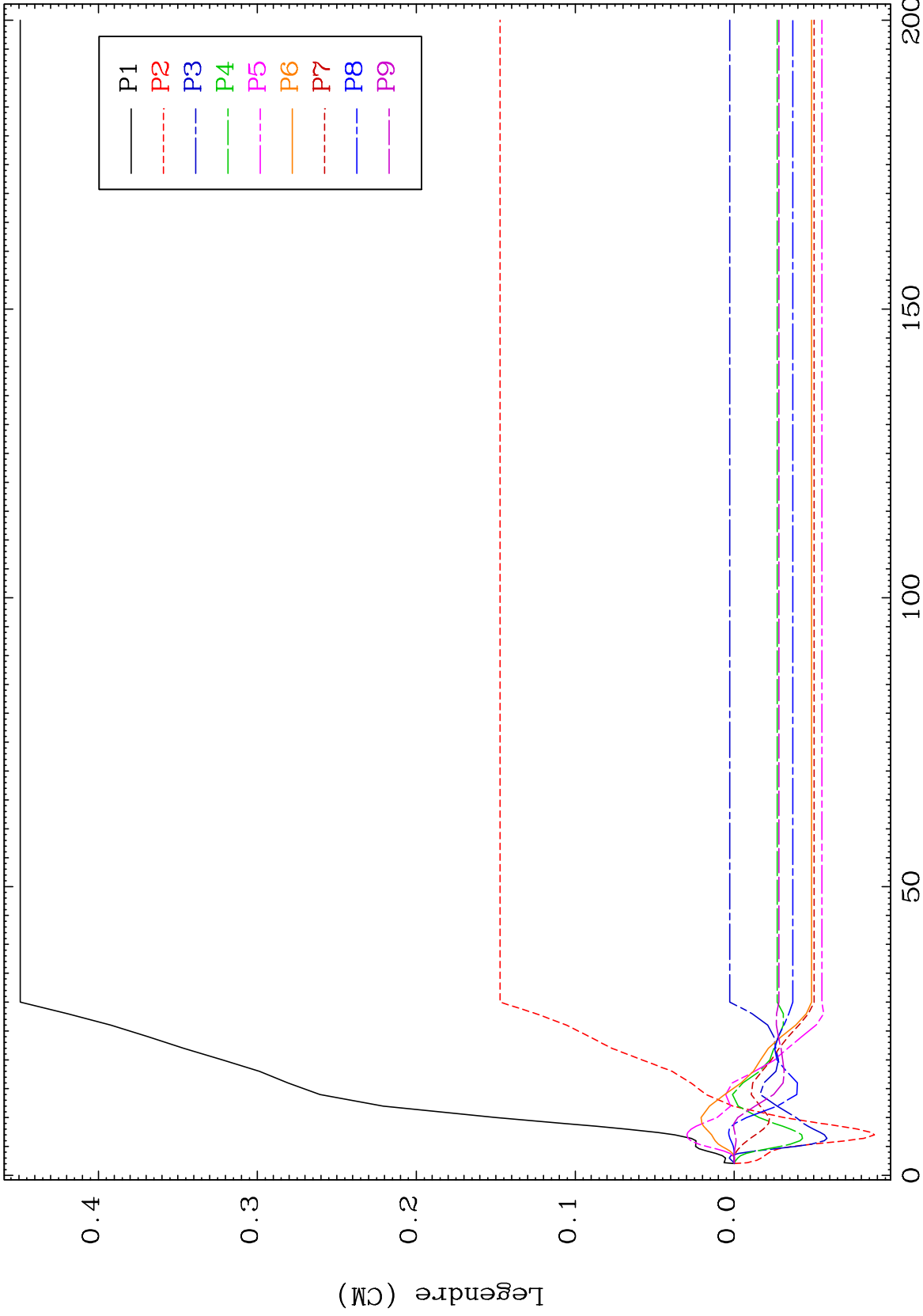
60-Nd-141



MAT 6022

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

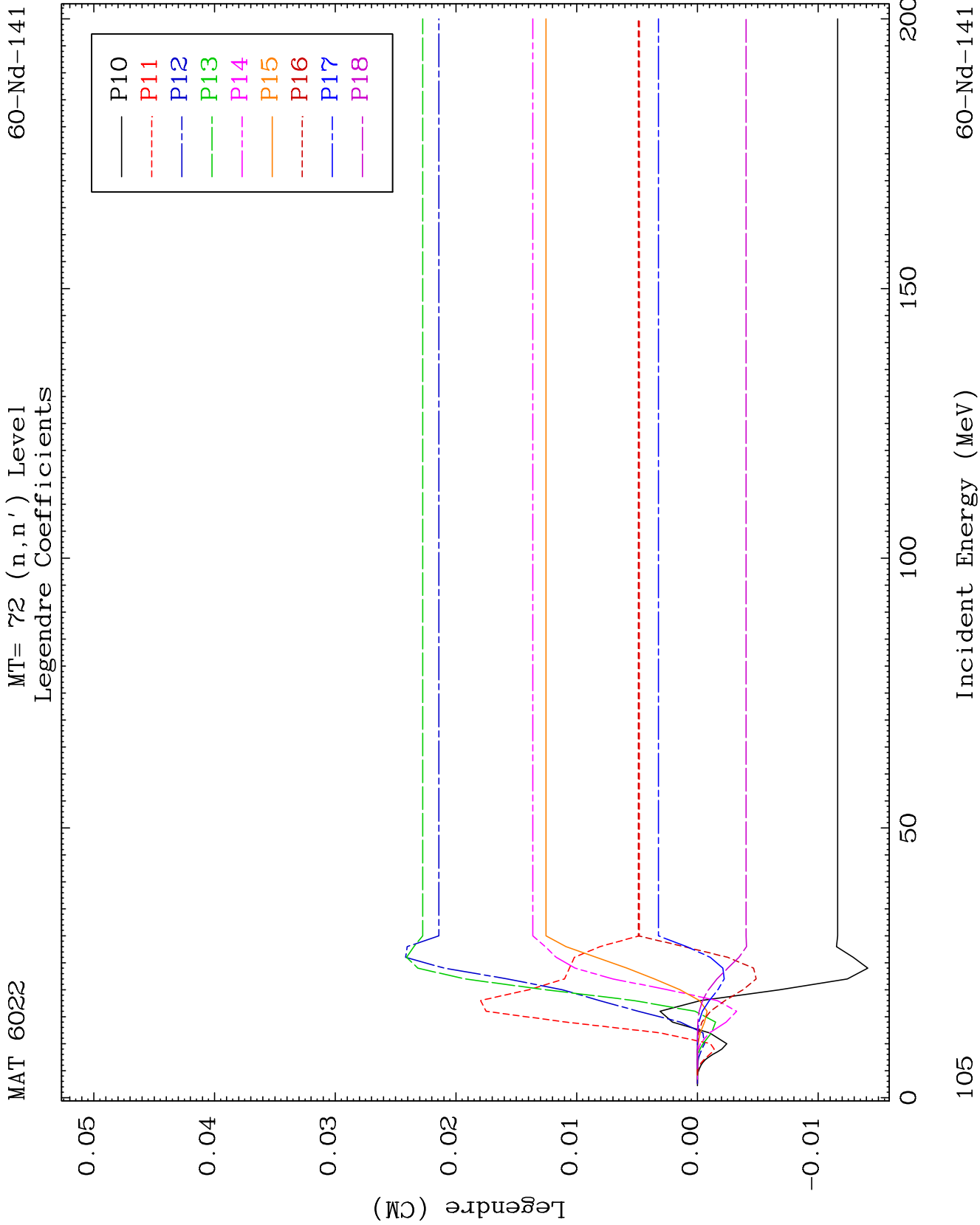
60-Nd-141



60-Nd-141

Incident Energy (MeV)

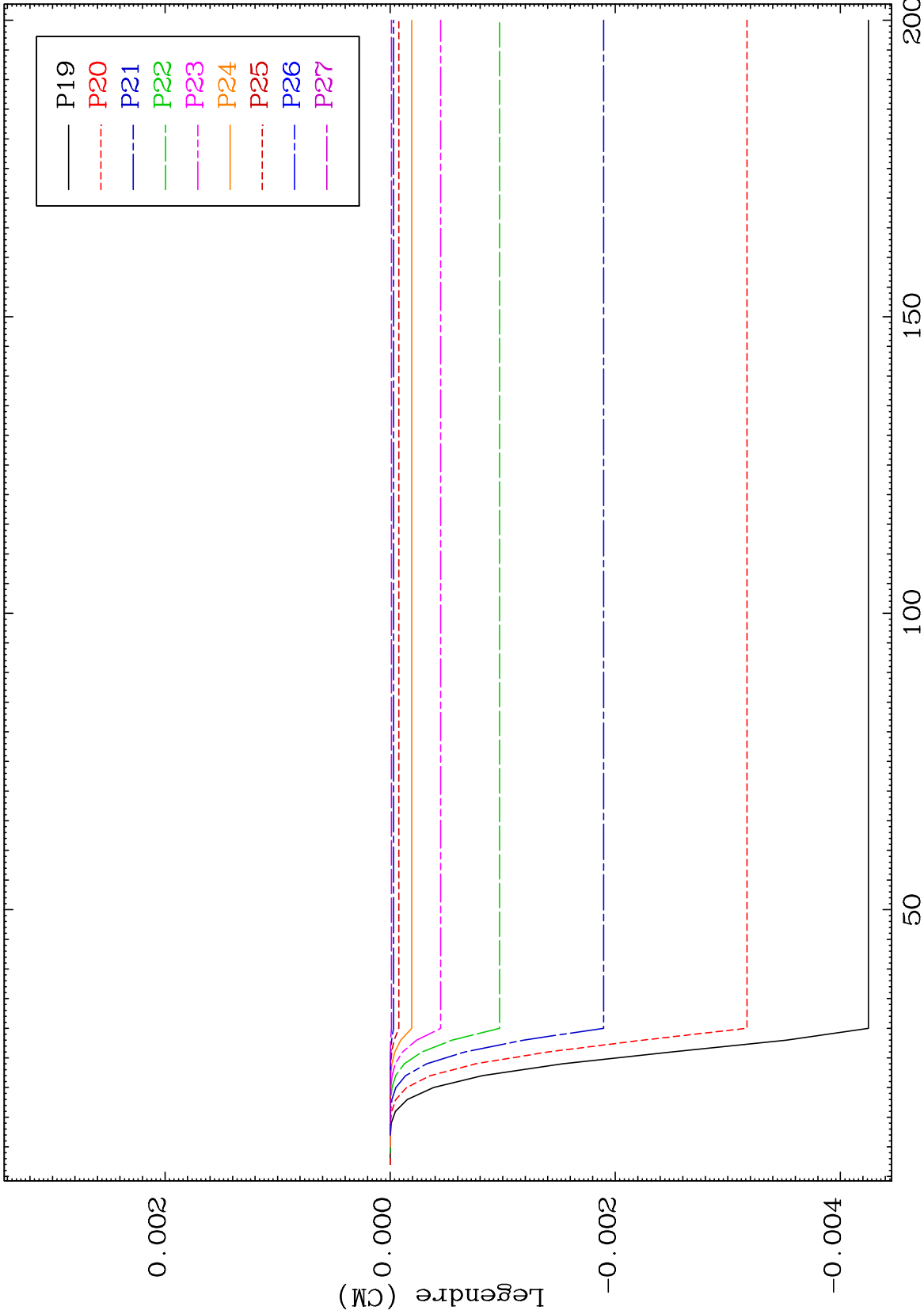
104



MAT 6022

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

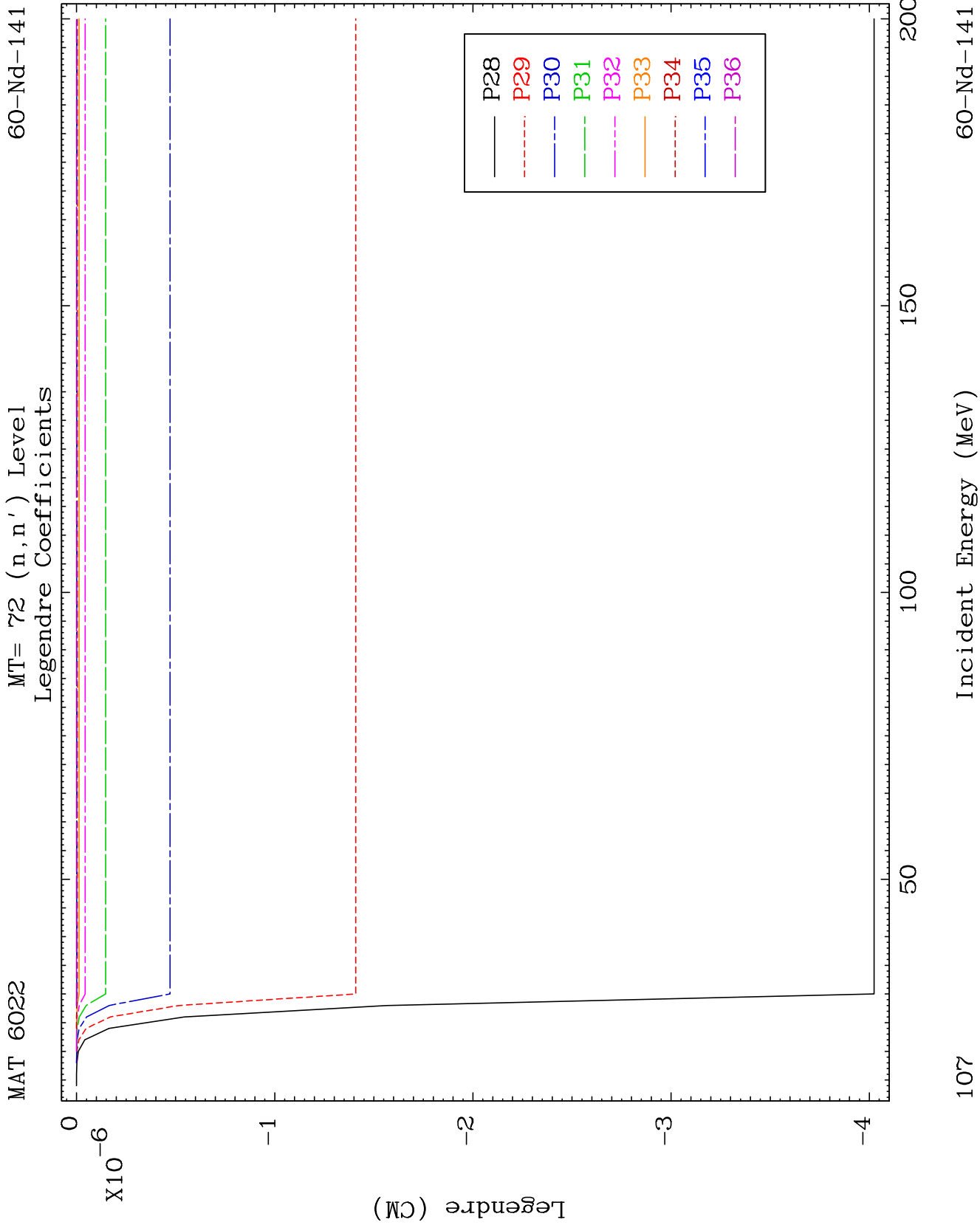
60-Nd-141



106

Incident Energy (MeV)

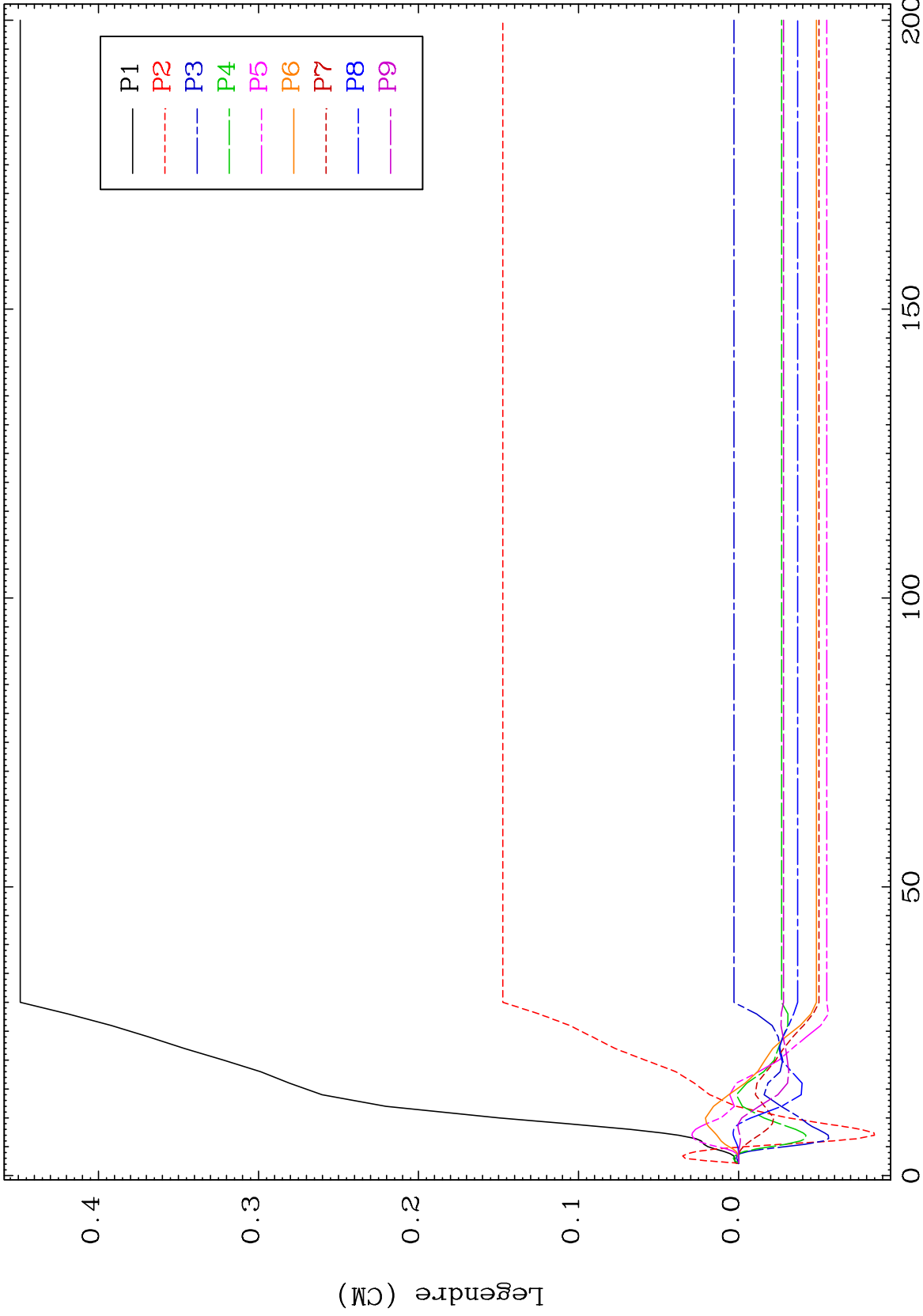
60-Nd-141



MAT 6022

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

60-Nd-141



108

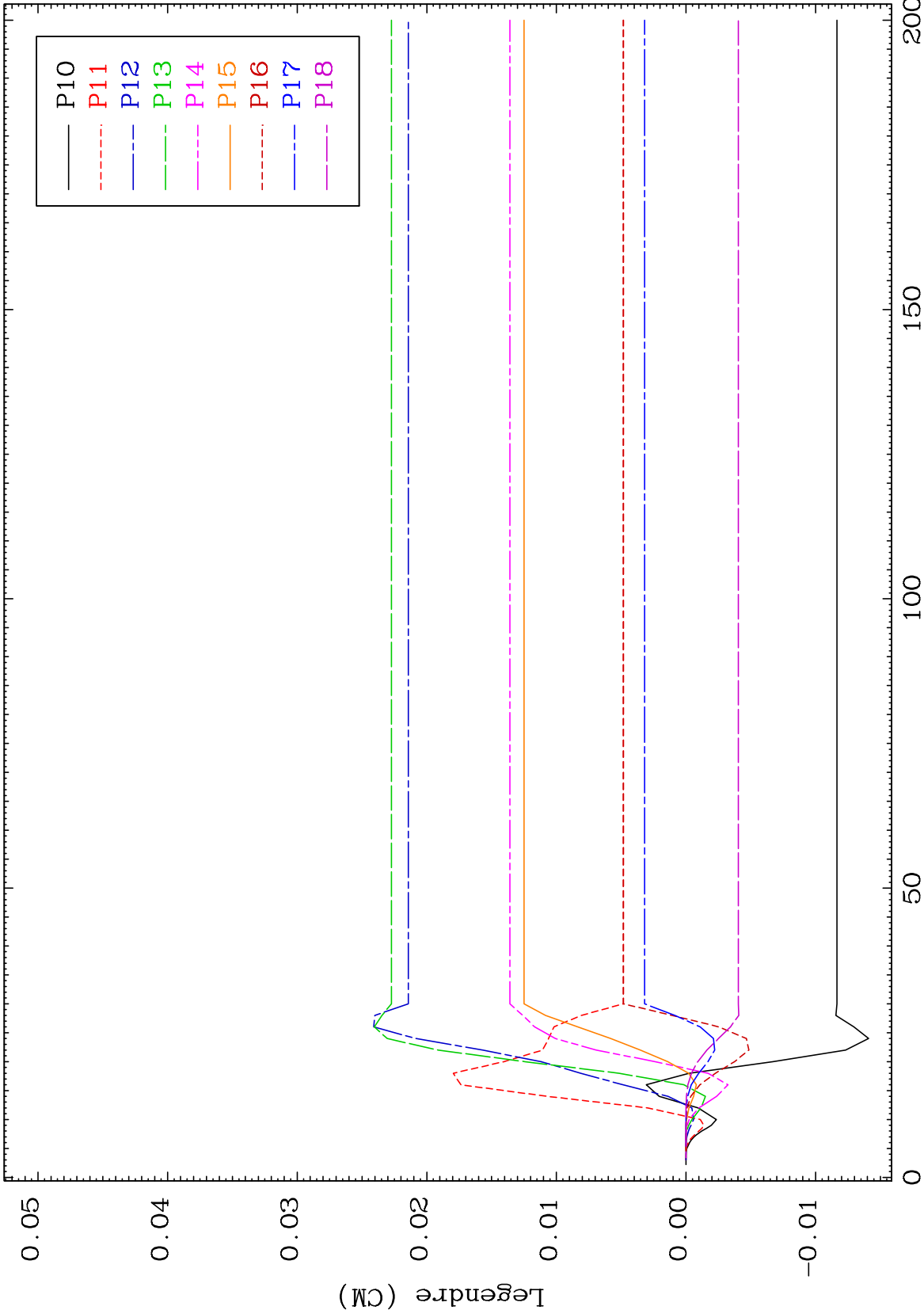
Incident Energy (MeV)

60-Nd-141

MAT 6022

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

60-Nd-141



109

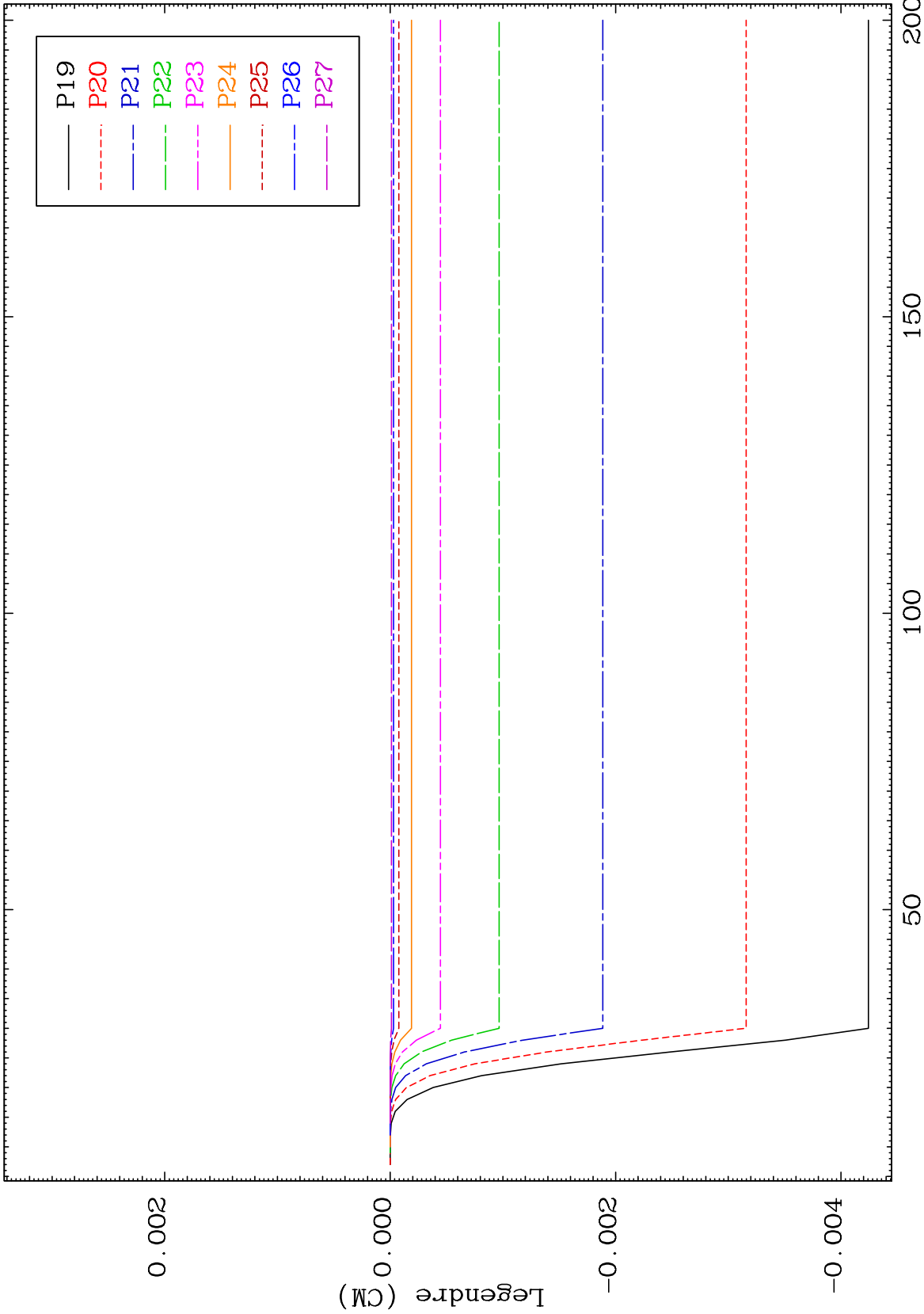
Incident Energy (MeV)

60-Nd-141

MAT 6022

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

60-Nd-141

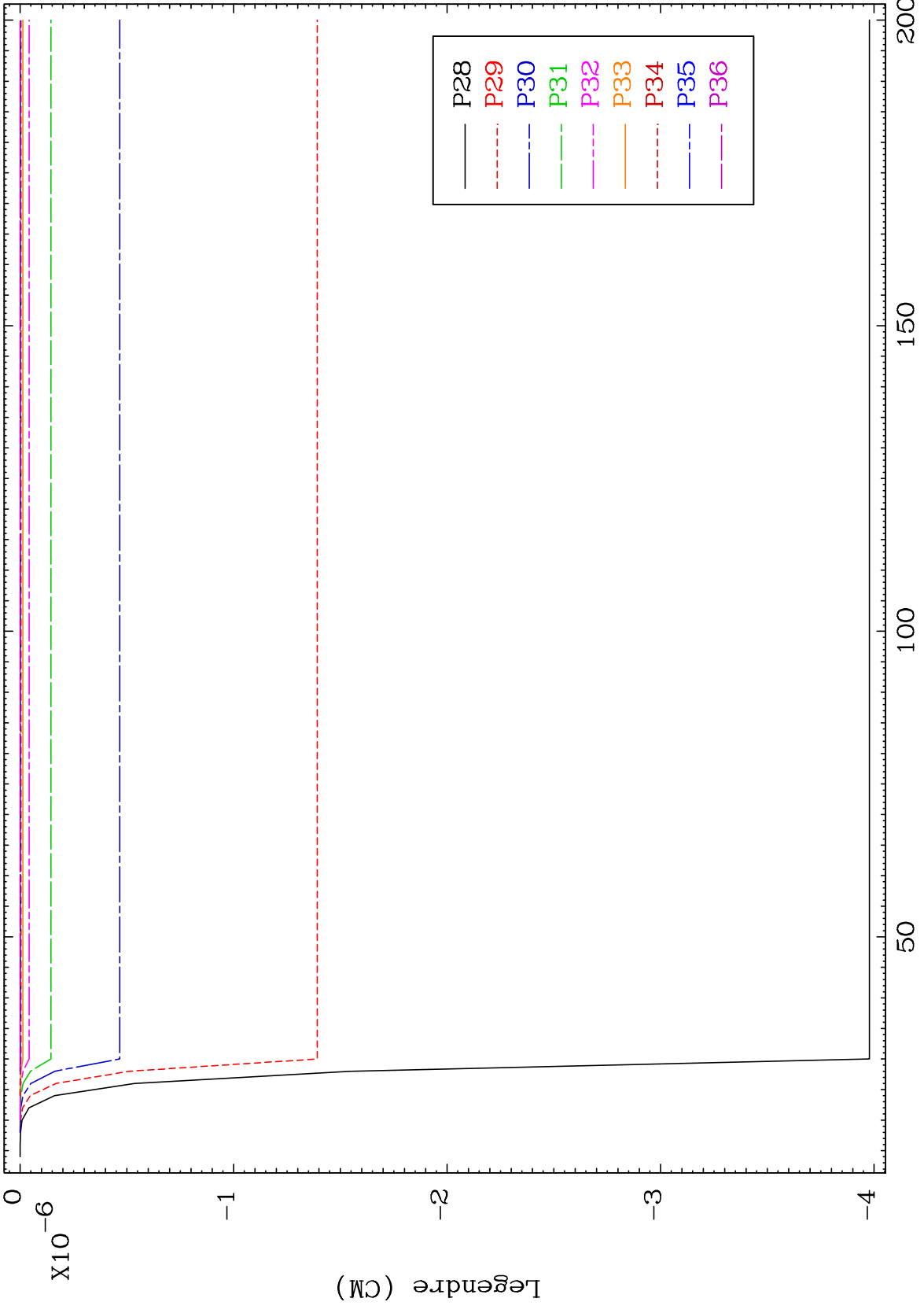


110

Incident Energy (MeV)

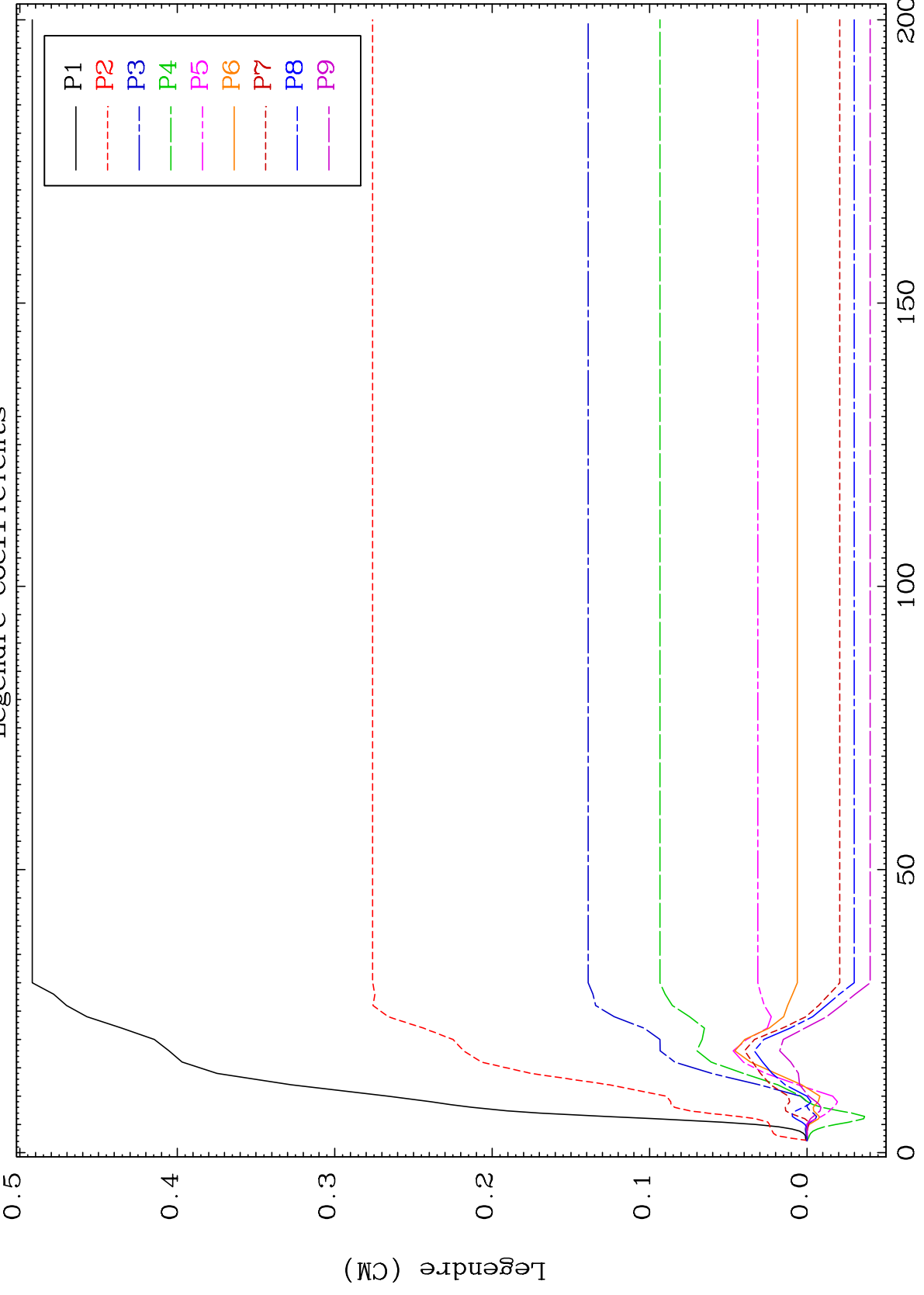
60-Nd-141

MAT 6022 MT= 73 (n,n') Level Legendre Coefficients 60-Nd-141



111 Incident Energy (MeV) 60-Nd-141

MAT 6022 MT= 74 (n,n') Level Legendre Coefficients 60-Nd-141

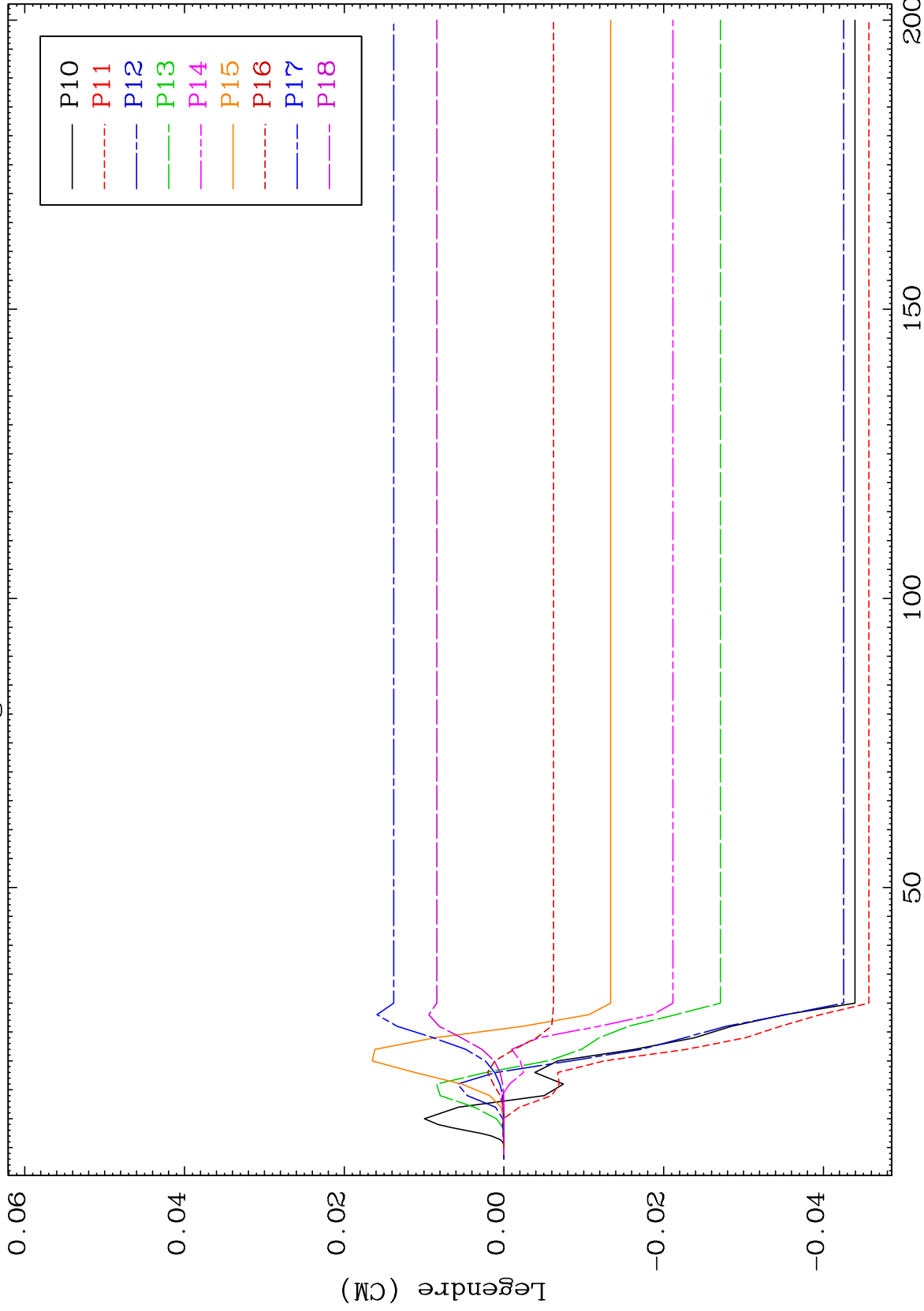


112 Incident Energy (MeV) 60-Nd-141

MAT 6022

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

60-Nd-141



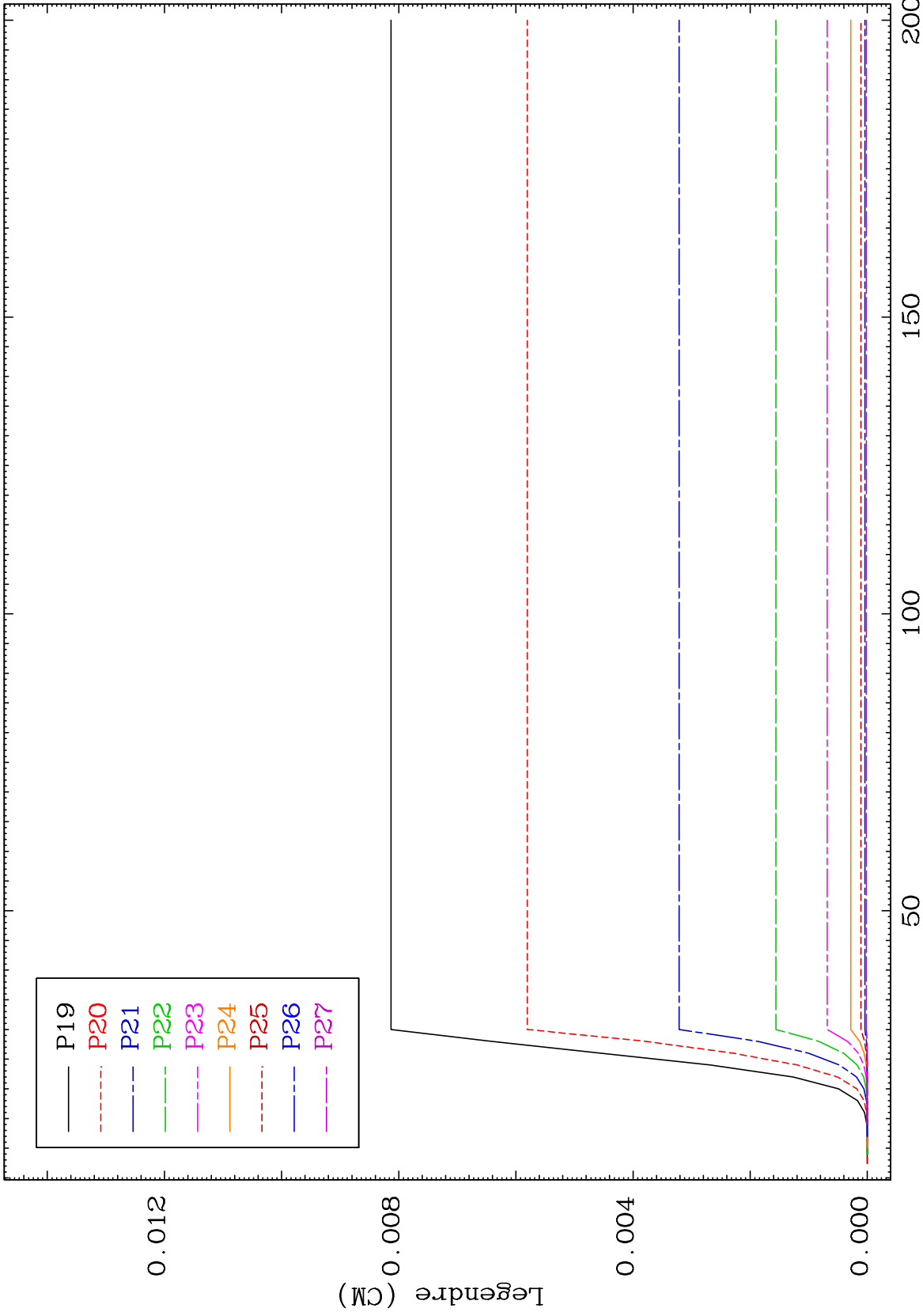
113

60-Nd-141

MAT 6022

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

60-Nd-141



114

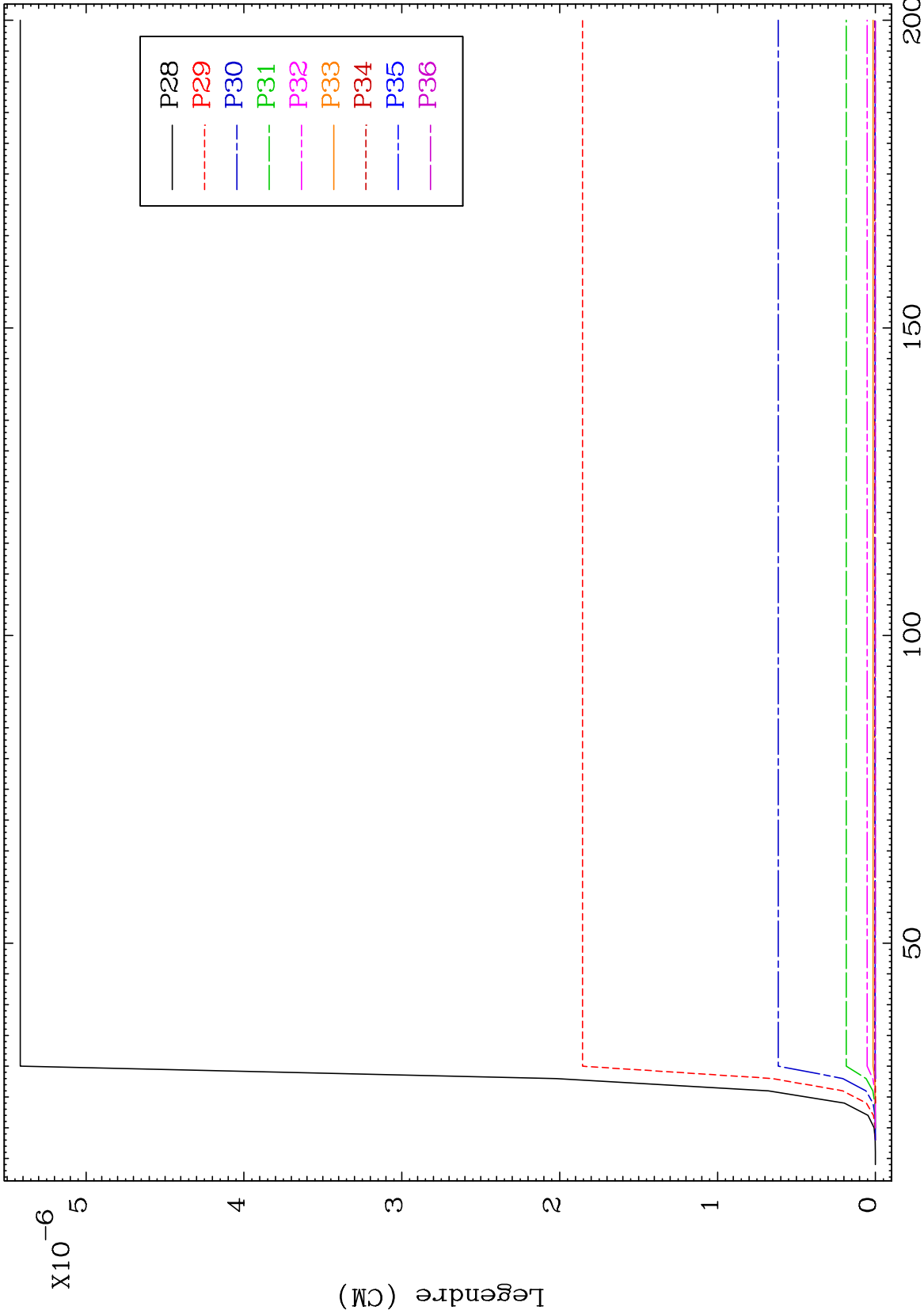
Incident Energy (MeV)

60-Nd-141

MAT 6022

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

60-Nd-141

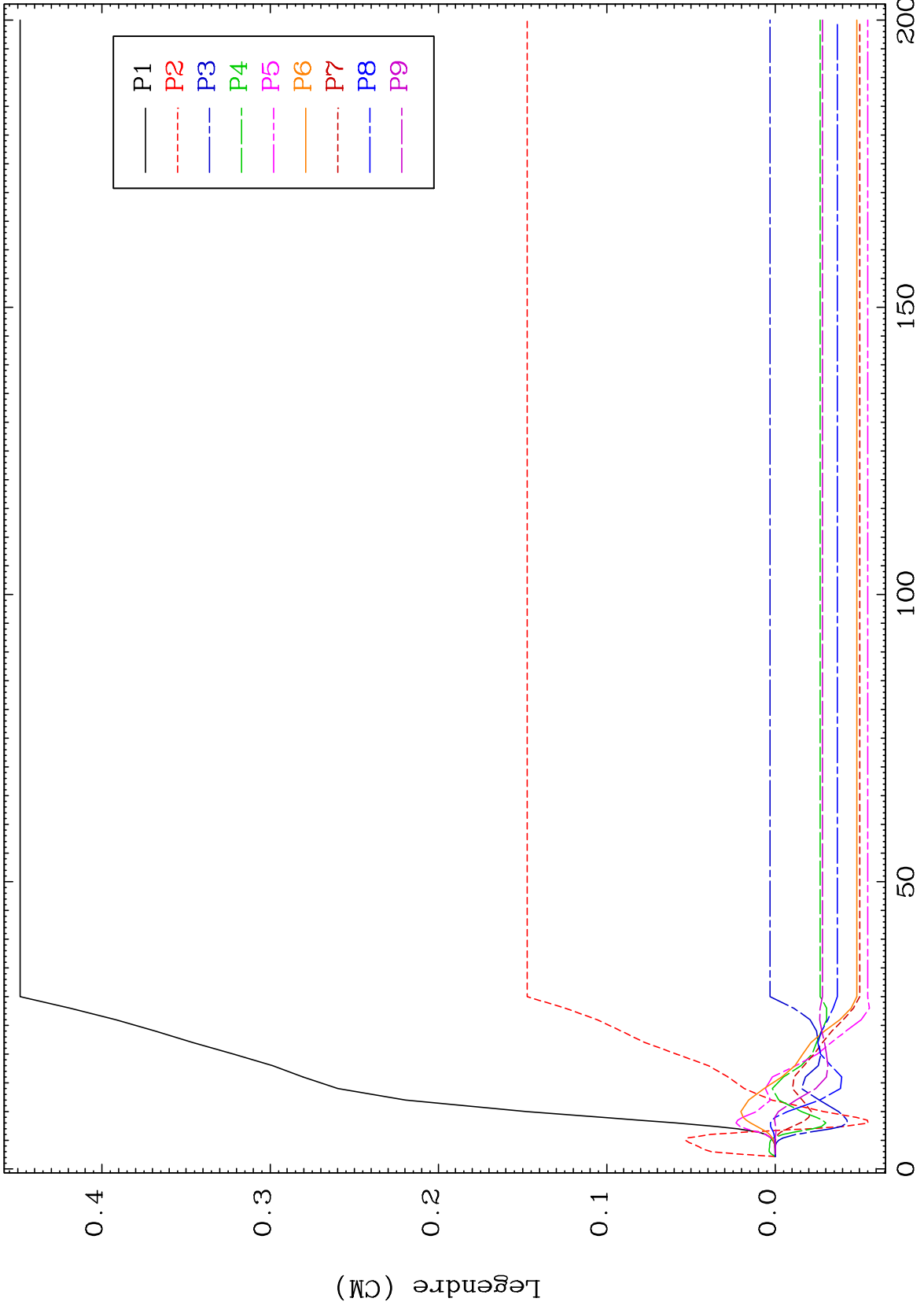


115

Incident Energy (MeV)

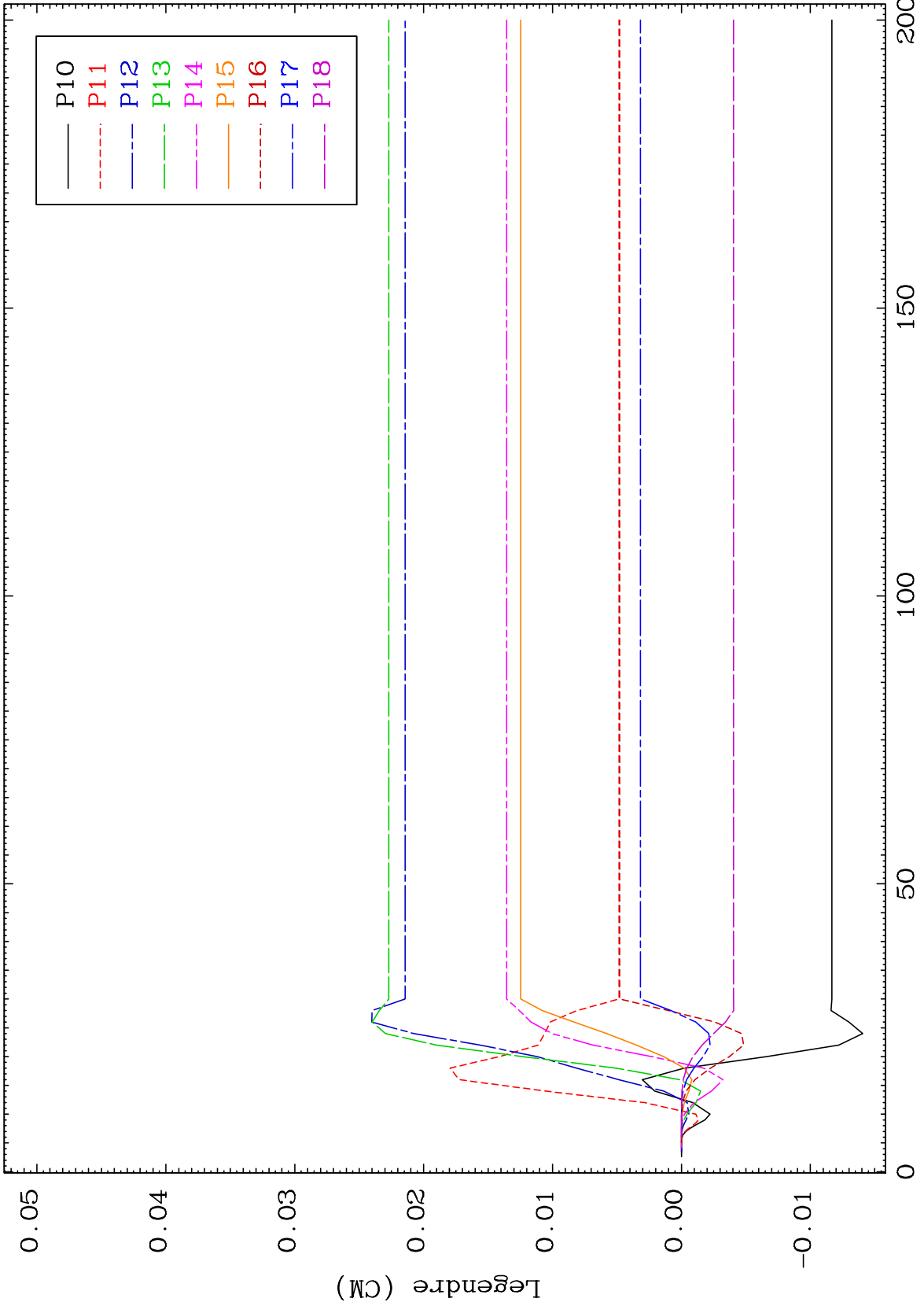
60-Nd-141

MAT 6022 MT= 75 (n,n') Level Legendre Coefficients 60-Nd-141



116 60-Nd-141

MAT 6022 MT= 75 (n,n') Level Legendre Coefficients 60-Nd-141

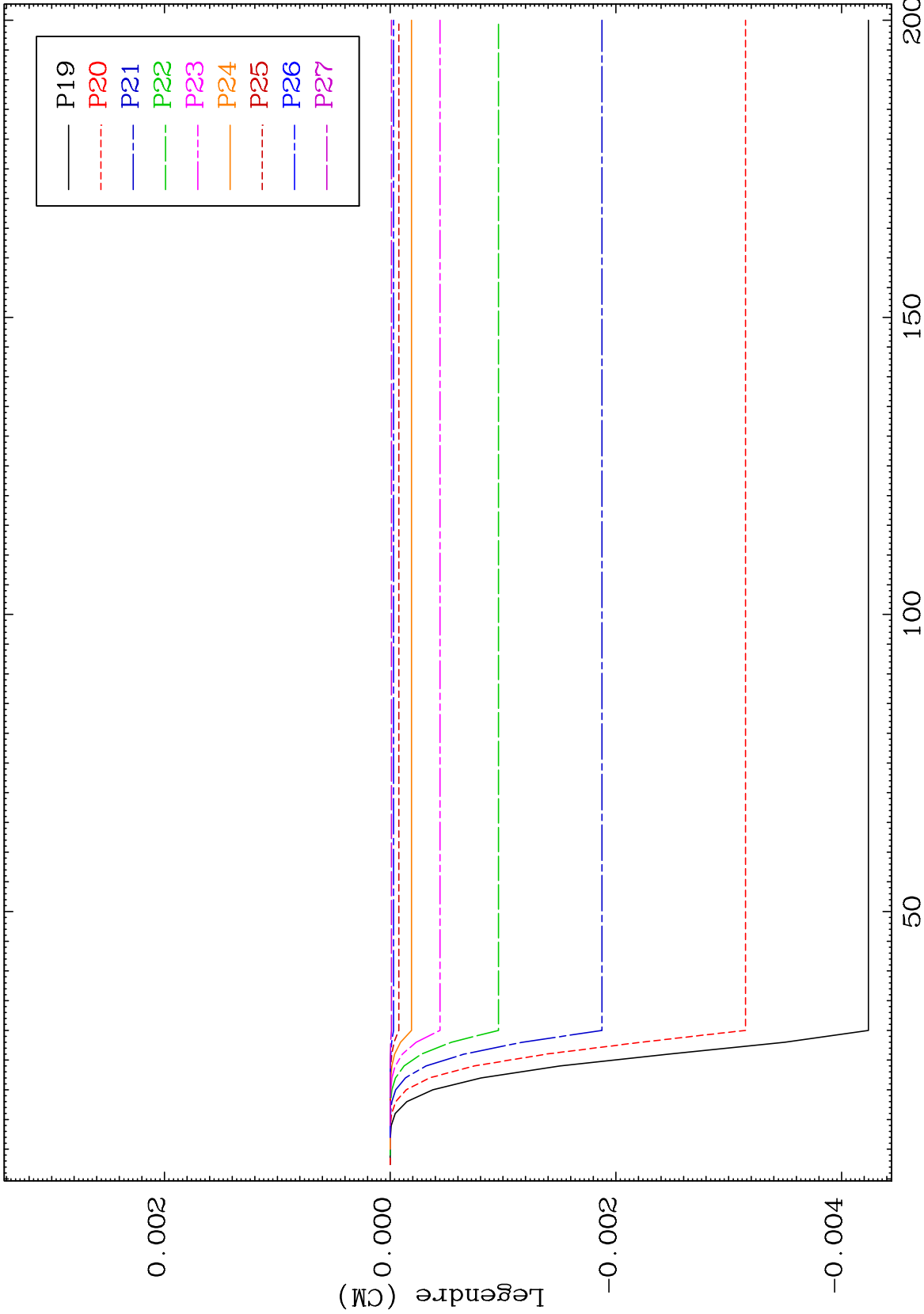


117 60-Nd-141

MAT 6022

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

60-Nd-141



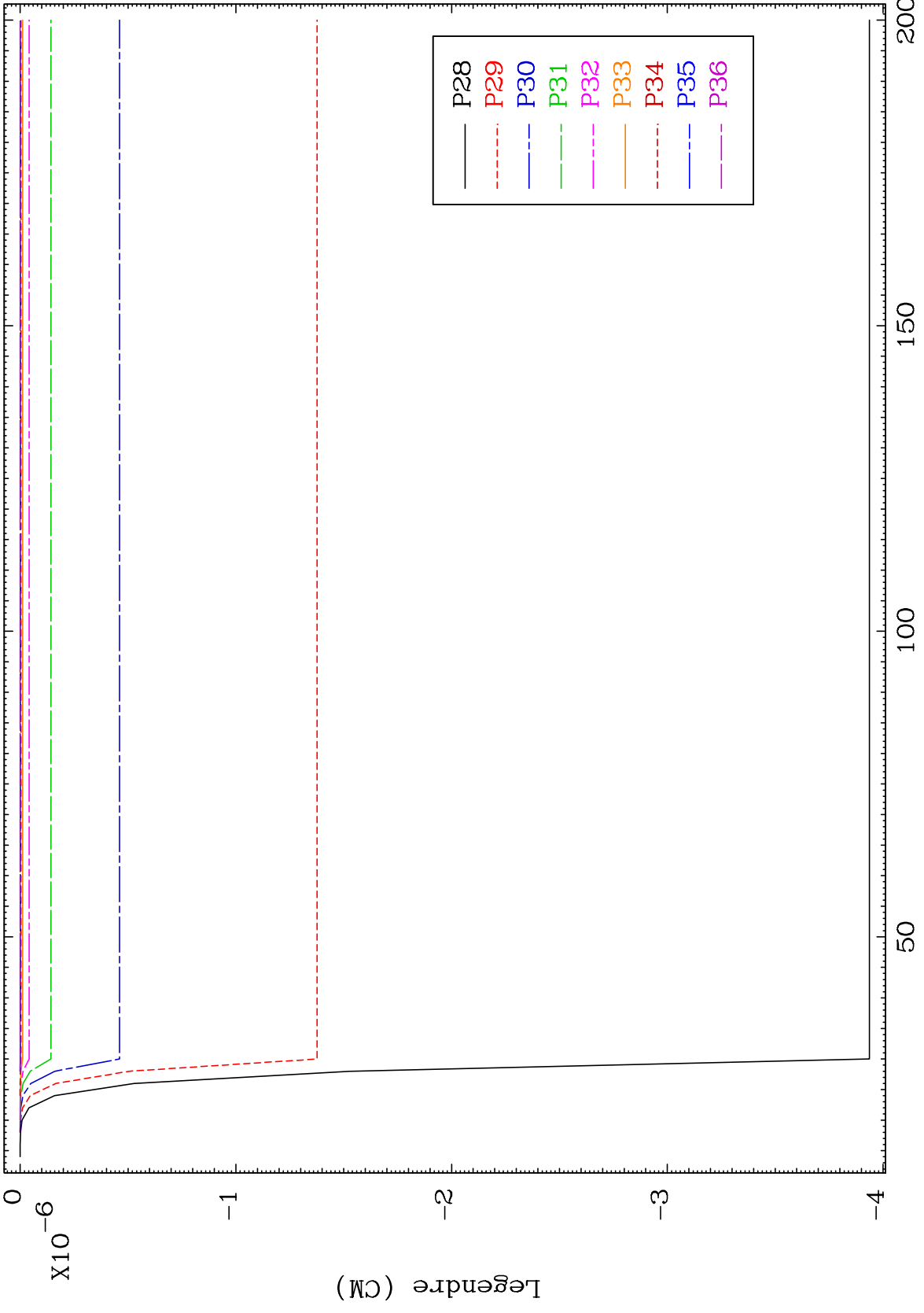
118

Incident Energy (MeV)

60-Nd-141

MAT 6022 MT= 75 (n,n') Level 60-Nd-141

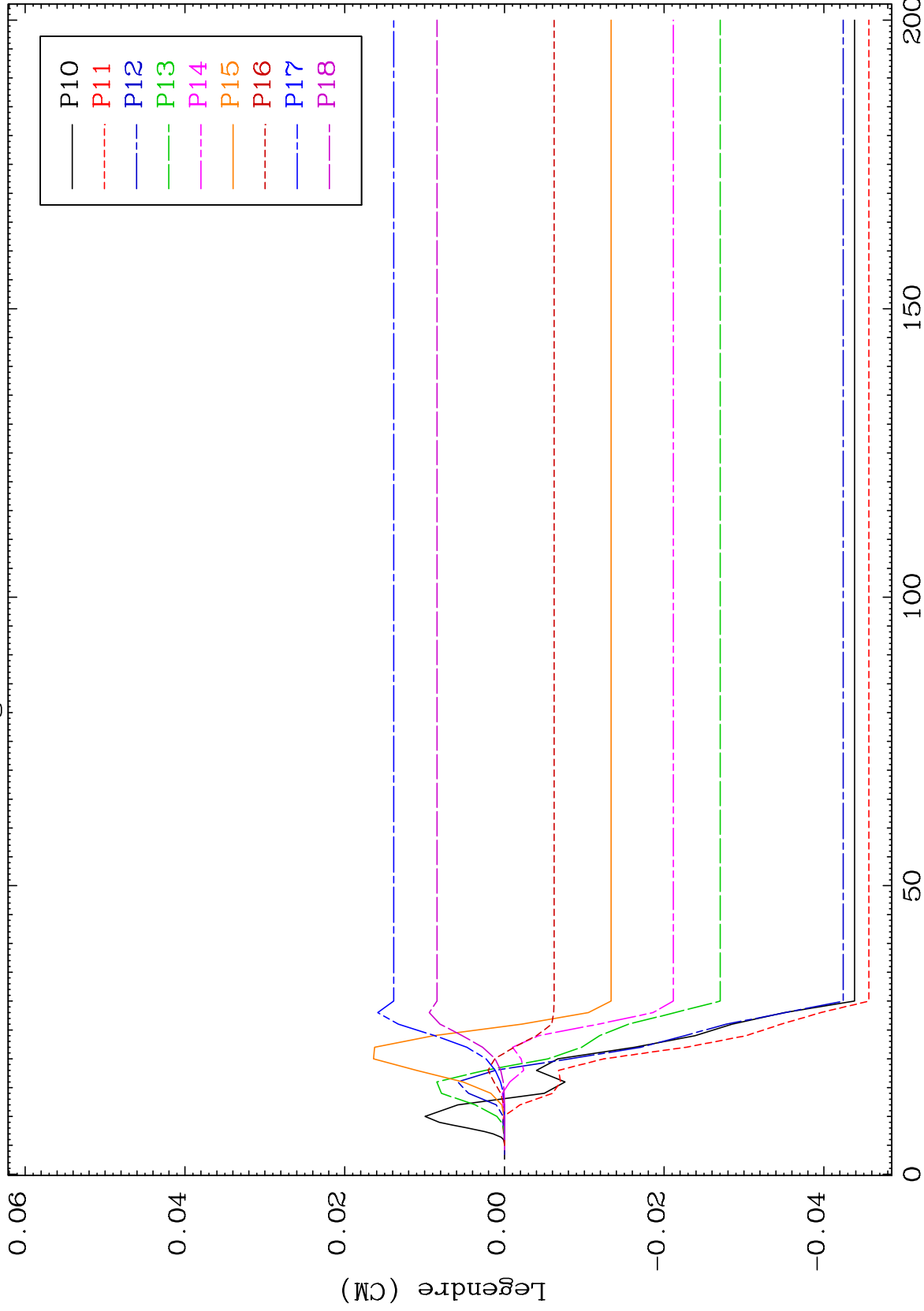
Legendre Coefficients



119 60-Nd-141

MAT 6022 MT= 76 (n,n') Level Legendre Coefficients

60-Nd-141



60-Nd-141

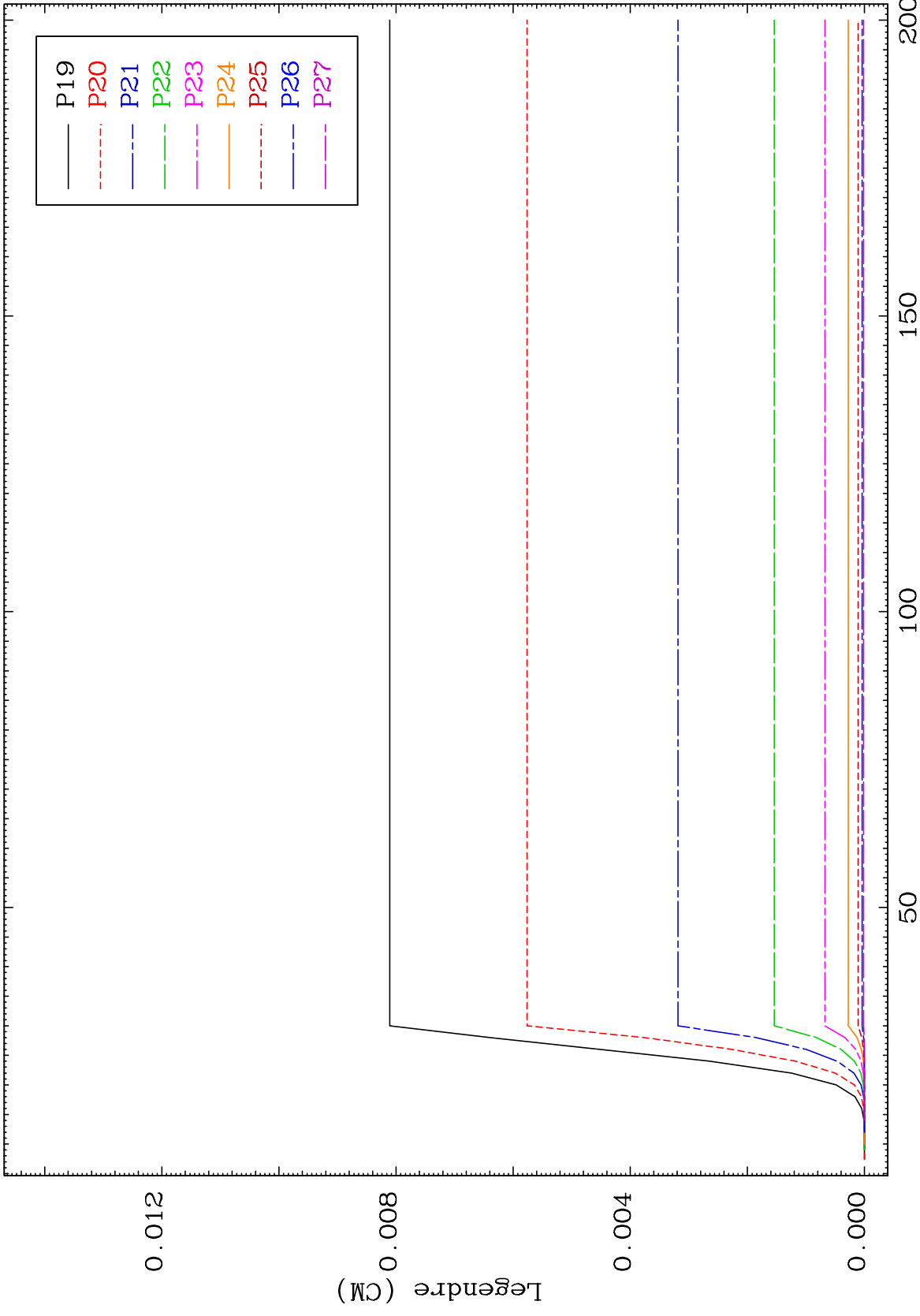
Incident Energy (MeV)

121

MAT 6022

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

60-Nd-141



122

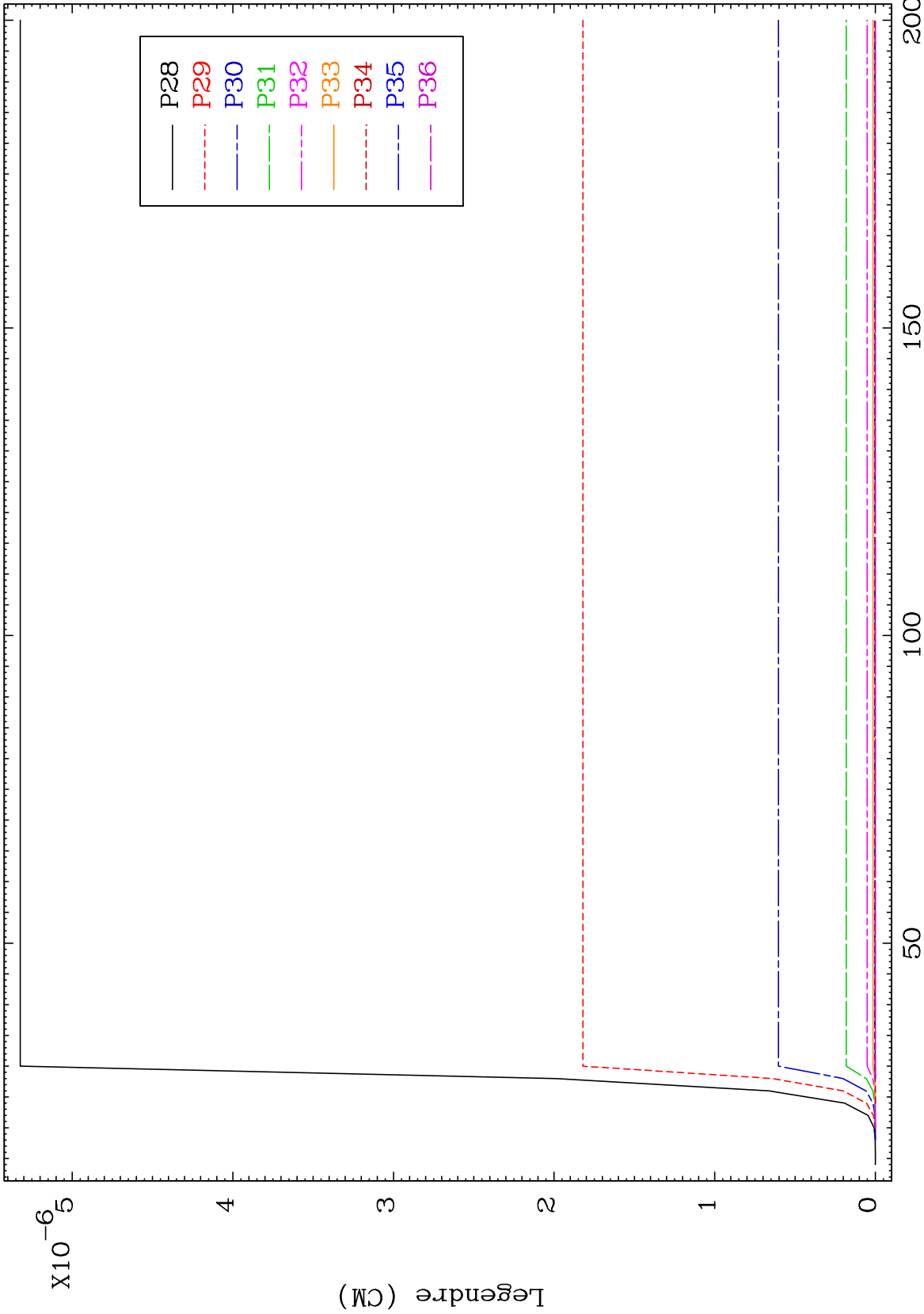
Incident Energy (MeV)

60-Nd-141

MAT 6022

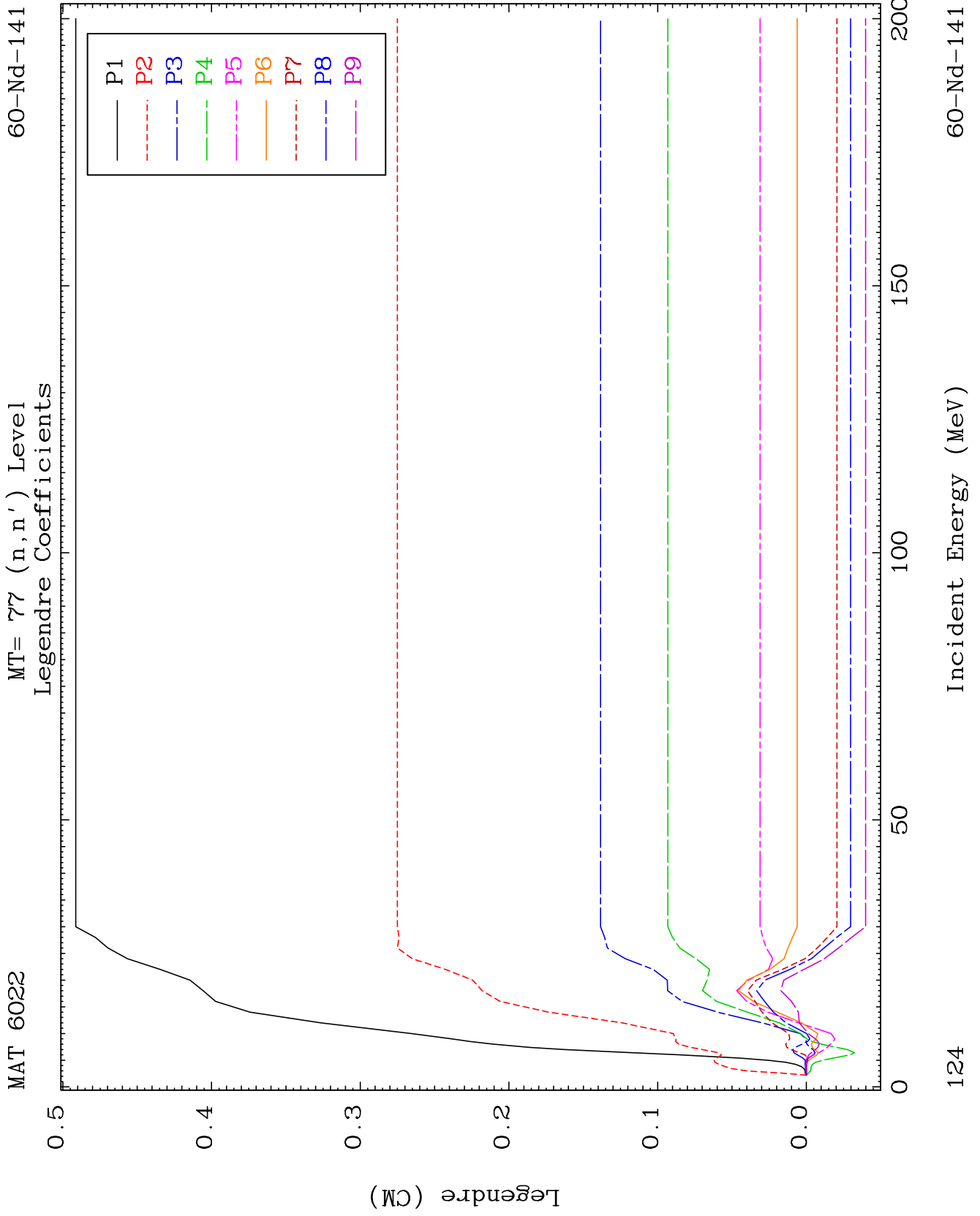
MT= 76 (n,n') Level
Legendre Coefficients

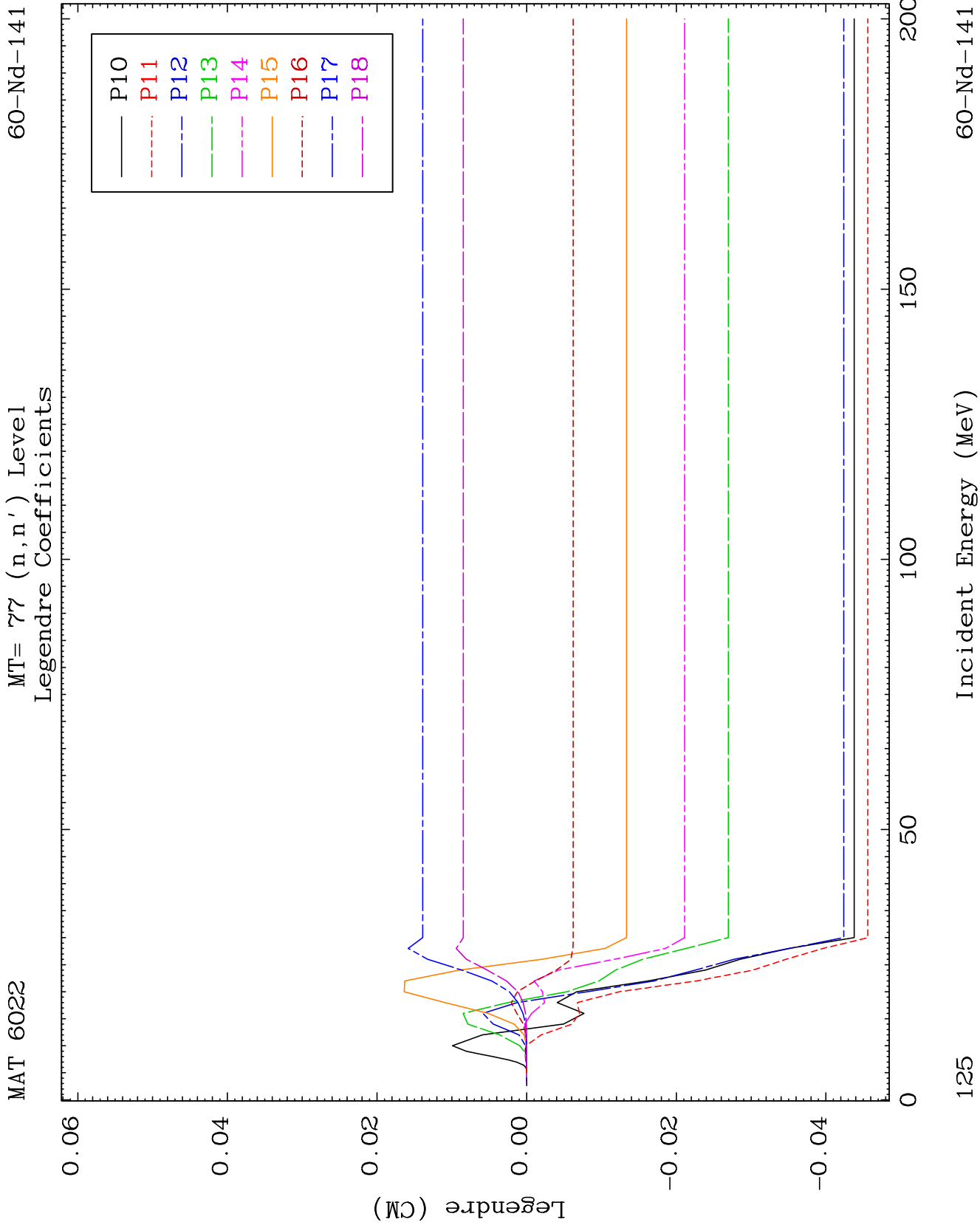
60-Nd-141



123

60-Nd-141

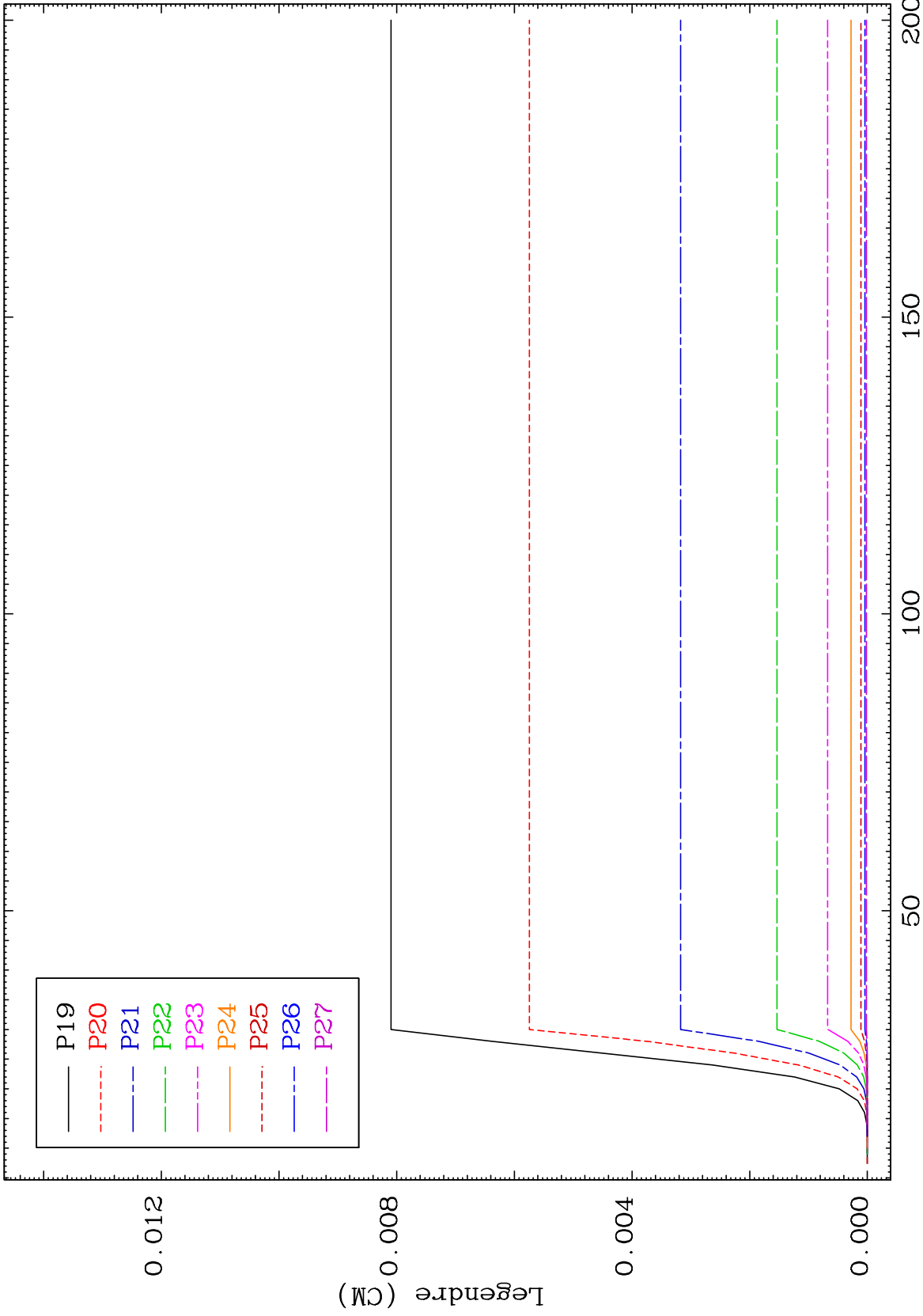




MAT 6022

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

60-Nd-141



126

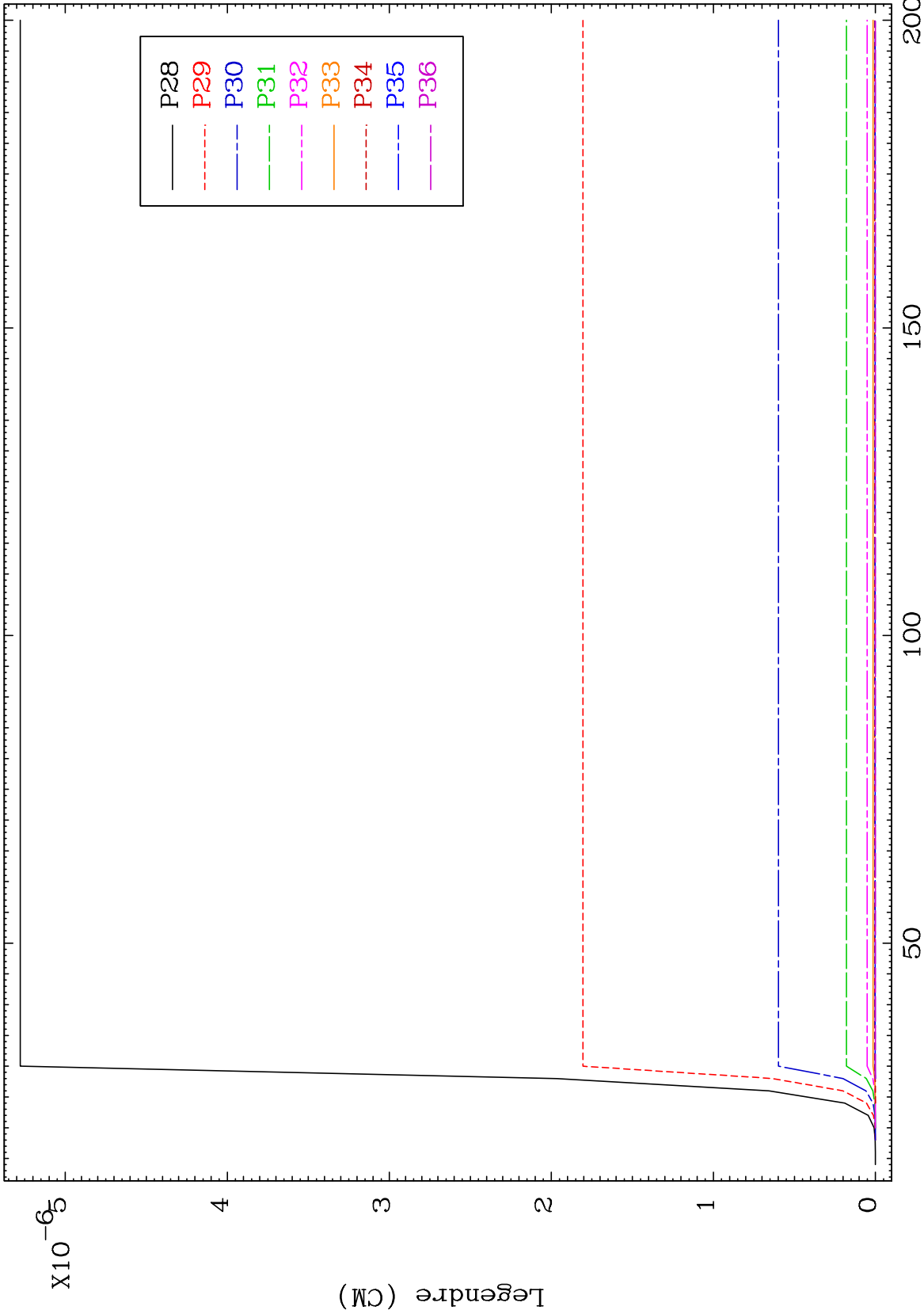
Incident Energy (MeV)

60-Nd-141

MAT 6022

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

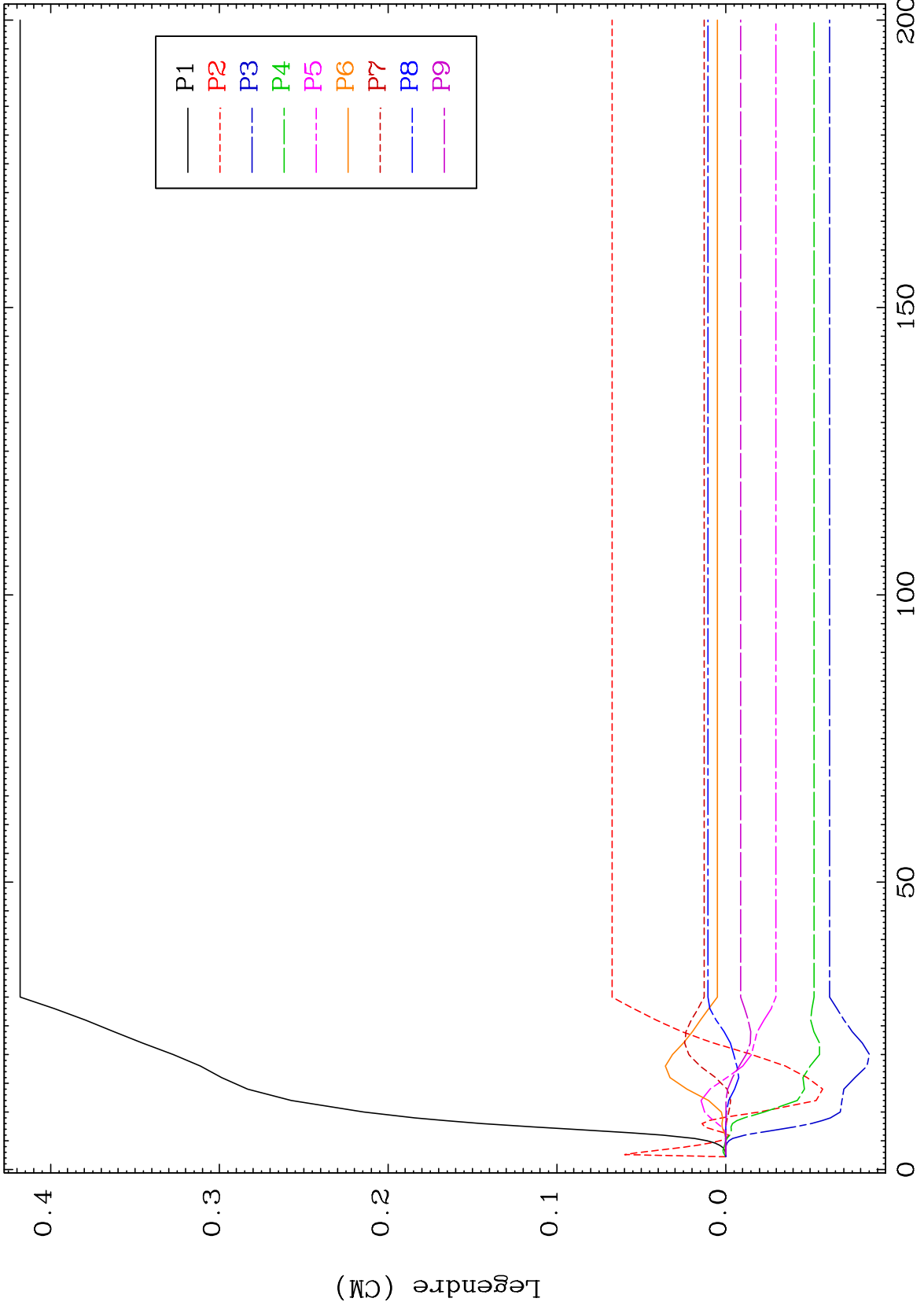
60-Nd-141



127

60-Nd-141

MAT 6022 MT= 78 (n,n') Level Legendre Coefficients 60-Nd-141

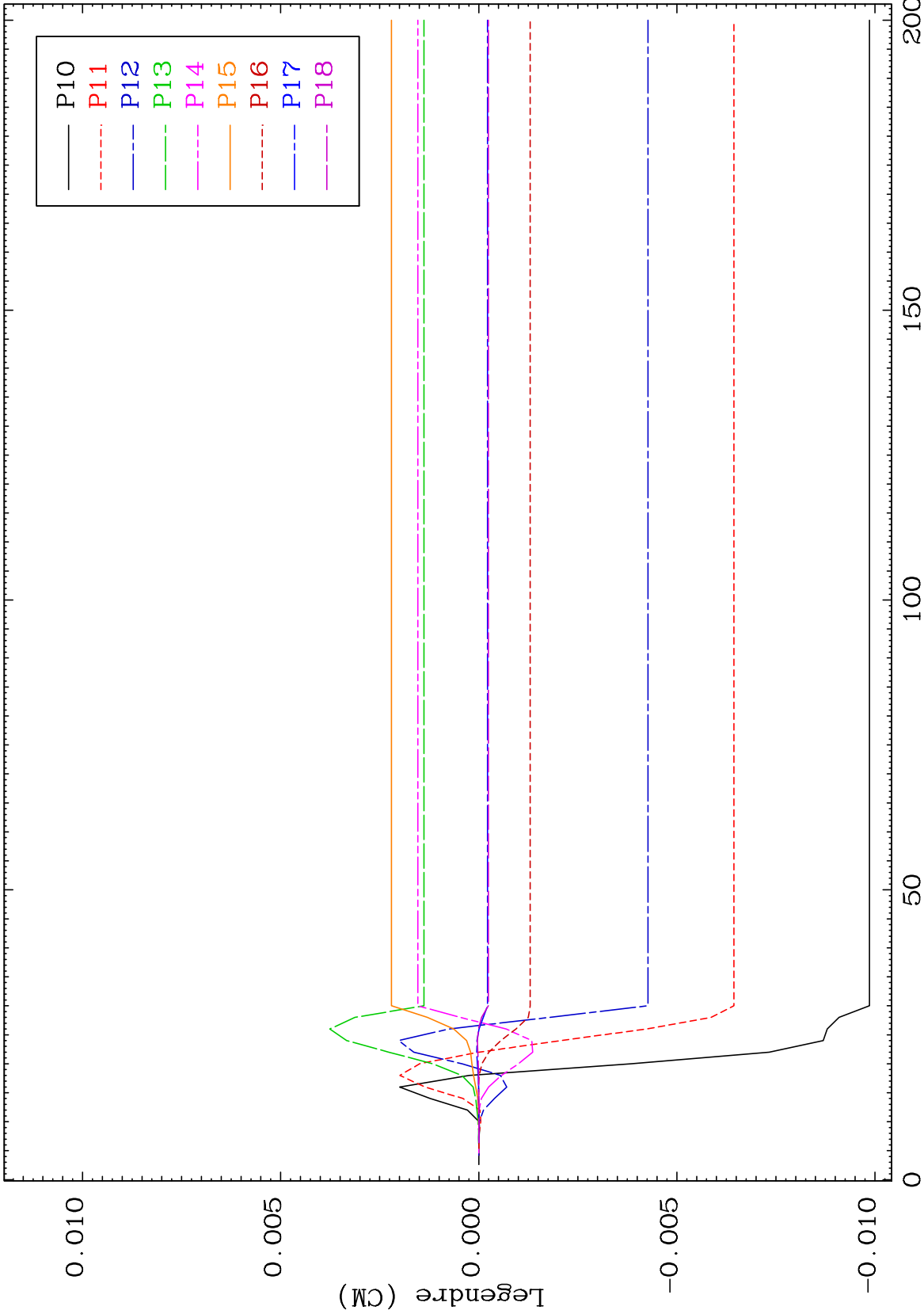


128 60-Nd-141

MAT 6022

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

60-Nd-141



129

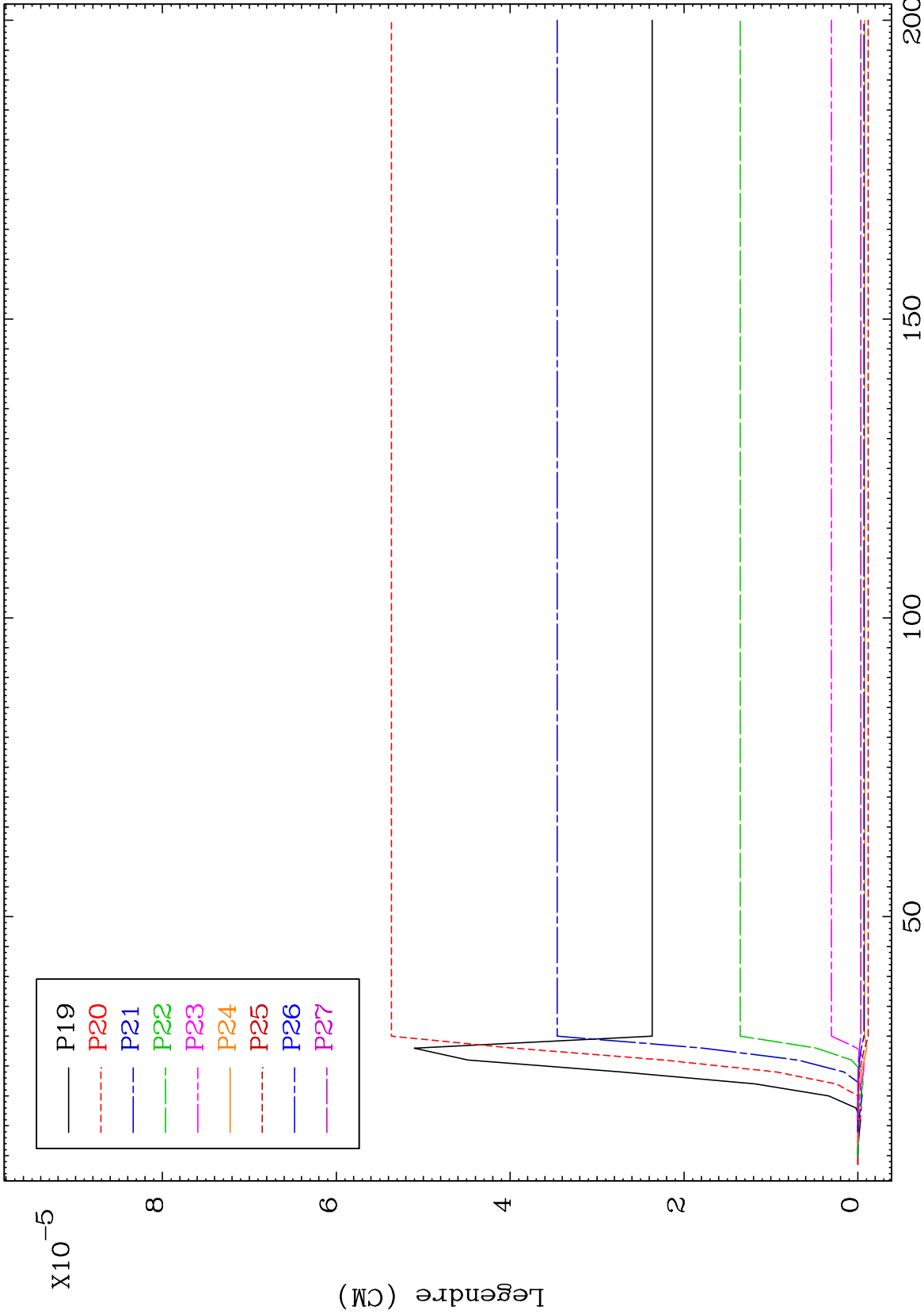
Incident Energy (MeV)

60-Nd-141

MAT 6022

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

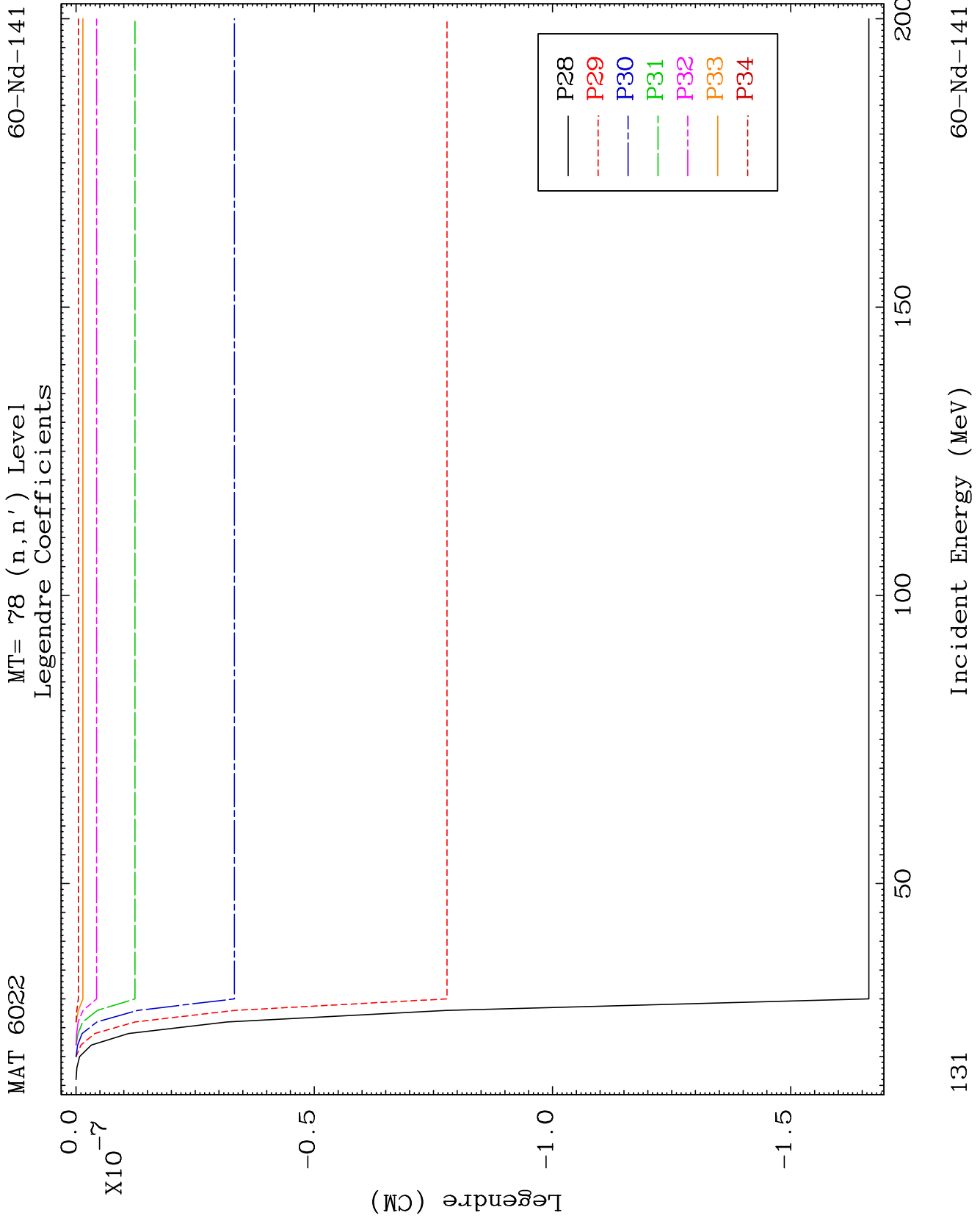
60-Nd-141



130

Incident Energy (MeV)

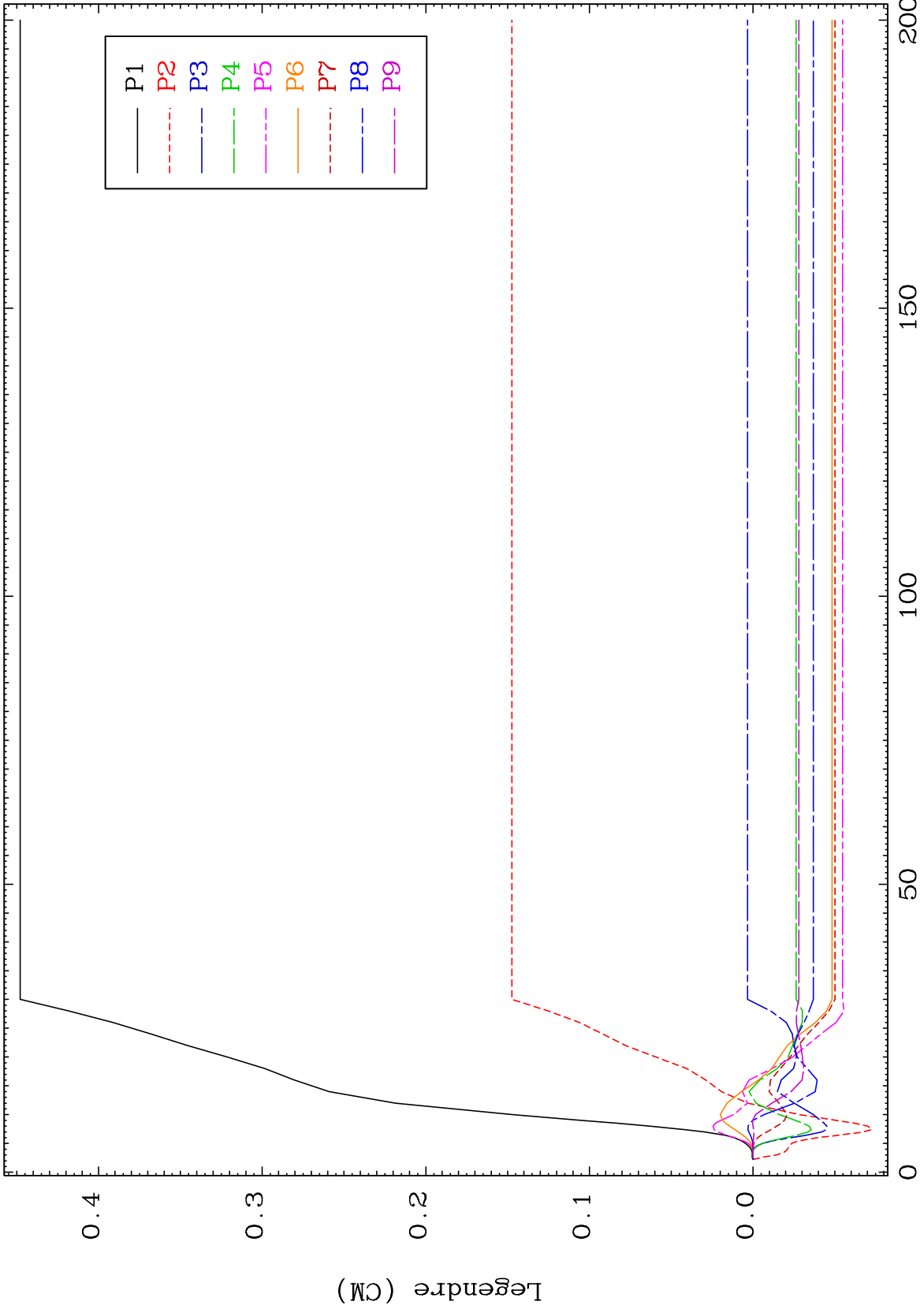
60-Nd-141



MAT 6022

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

60-Nd-141



132

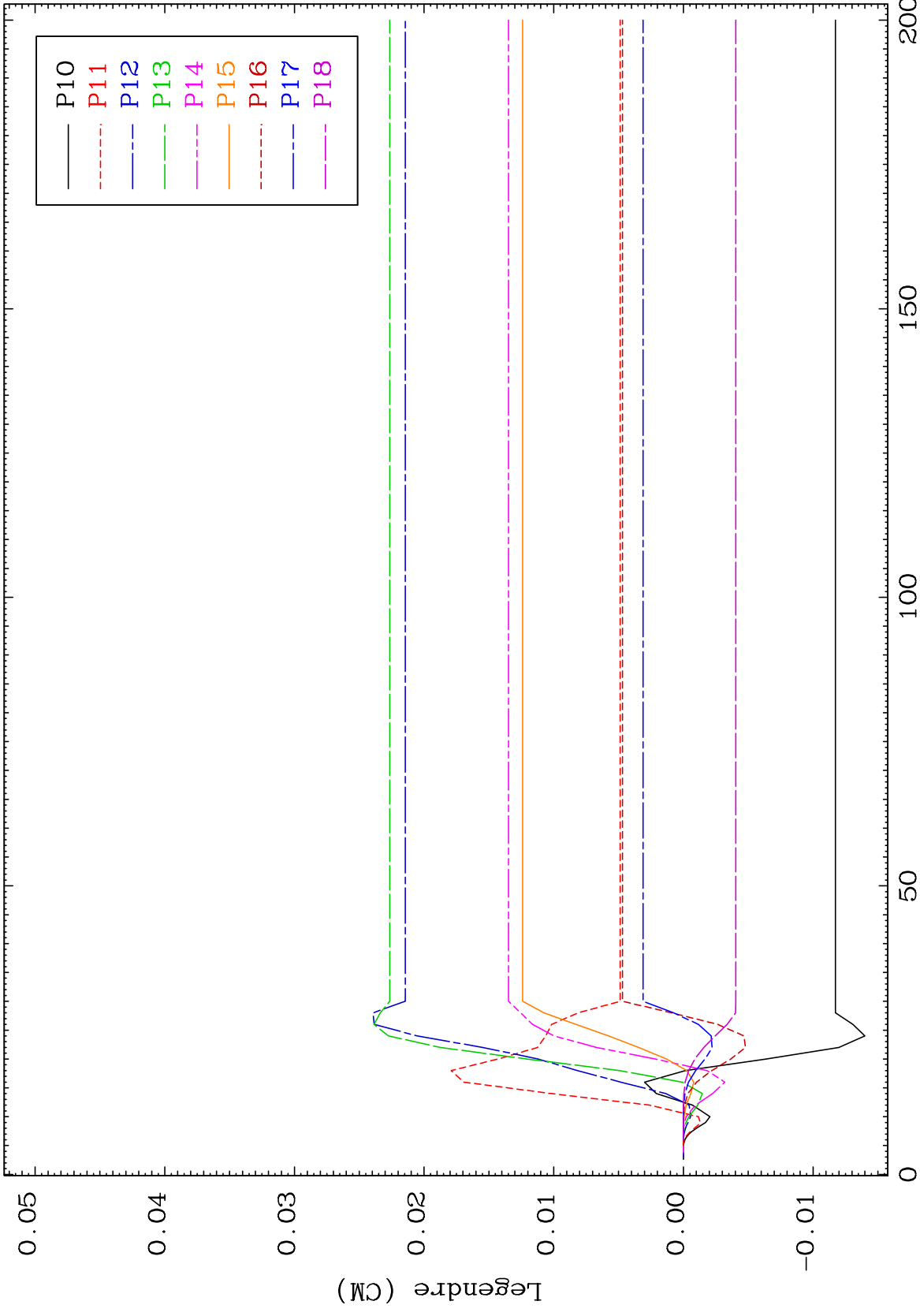
Incident Energy (MeV)

60-Nd-141

MAT 6022

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

60-Nd-141



60-Nd-141

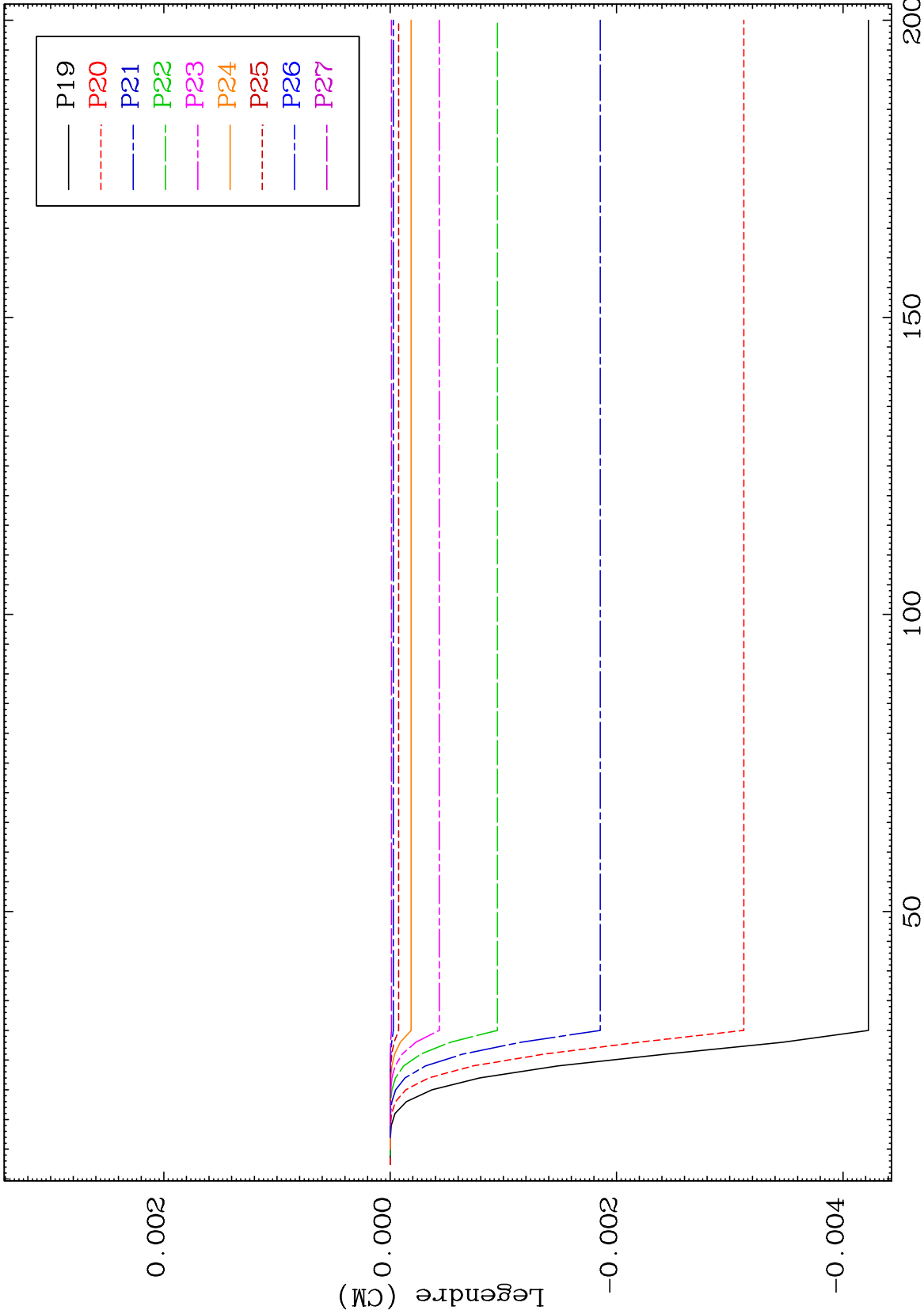
Incident Energy (MeV)

133

MAT 6022

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

60-Nd-141



134

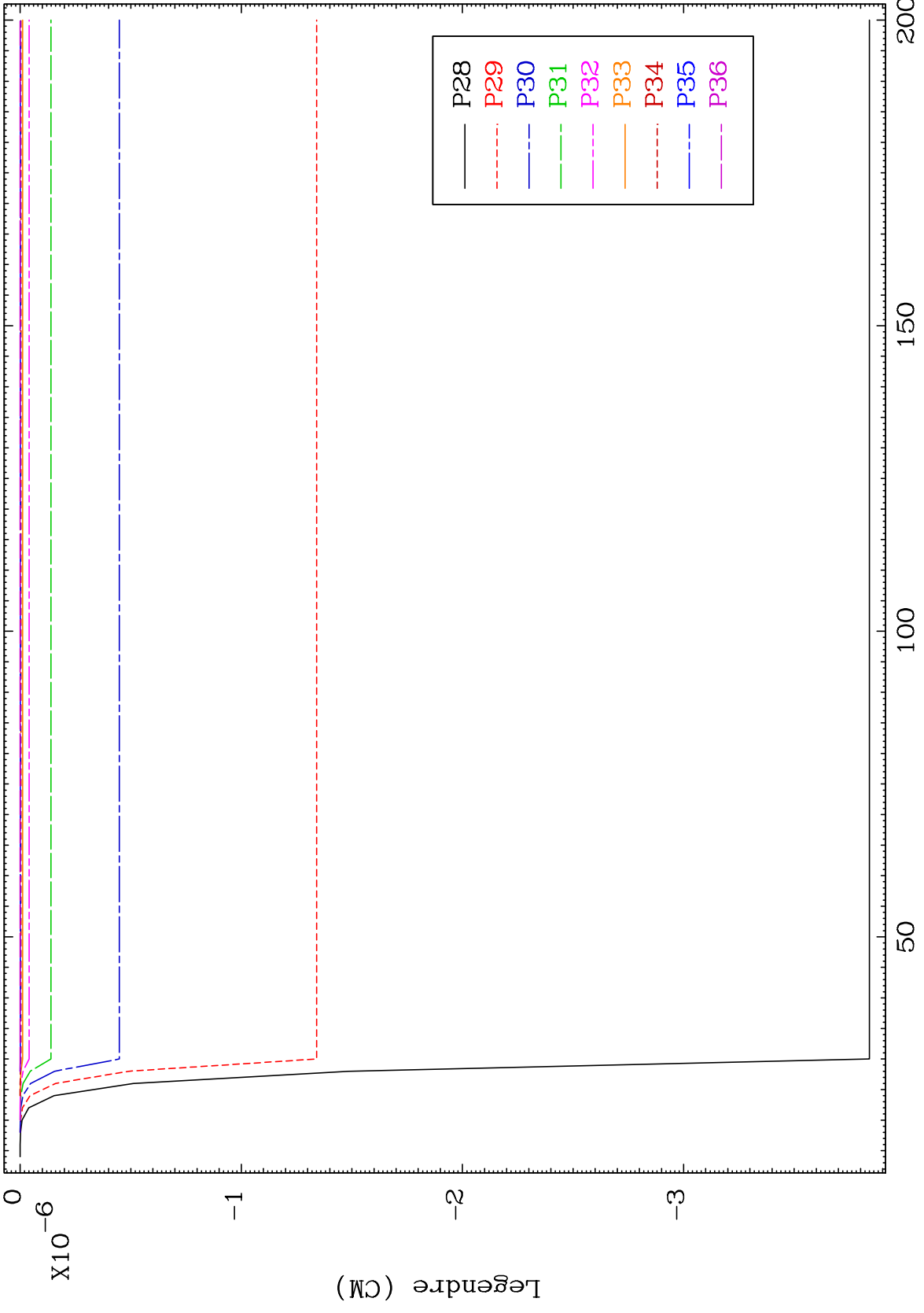
Incident Energy (MeV)

60-Nd-141

MAT 6022

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

60-Nd-141

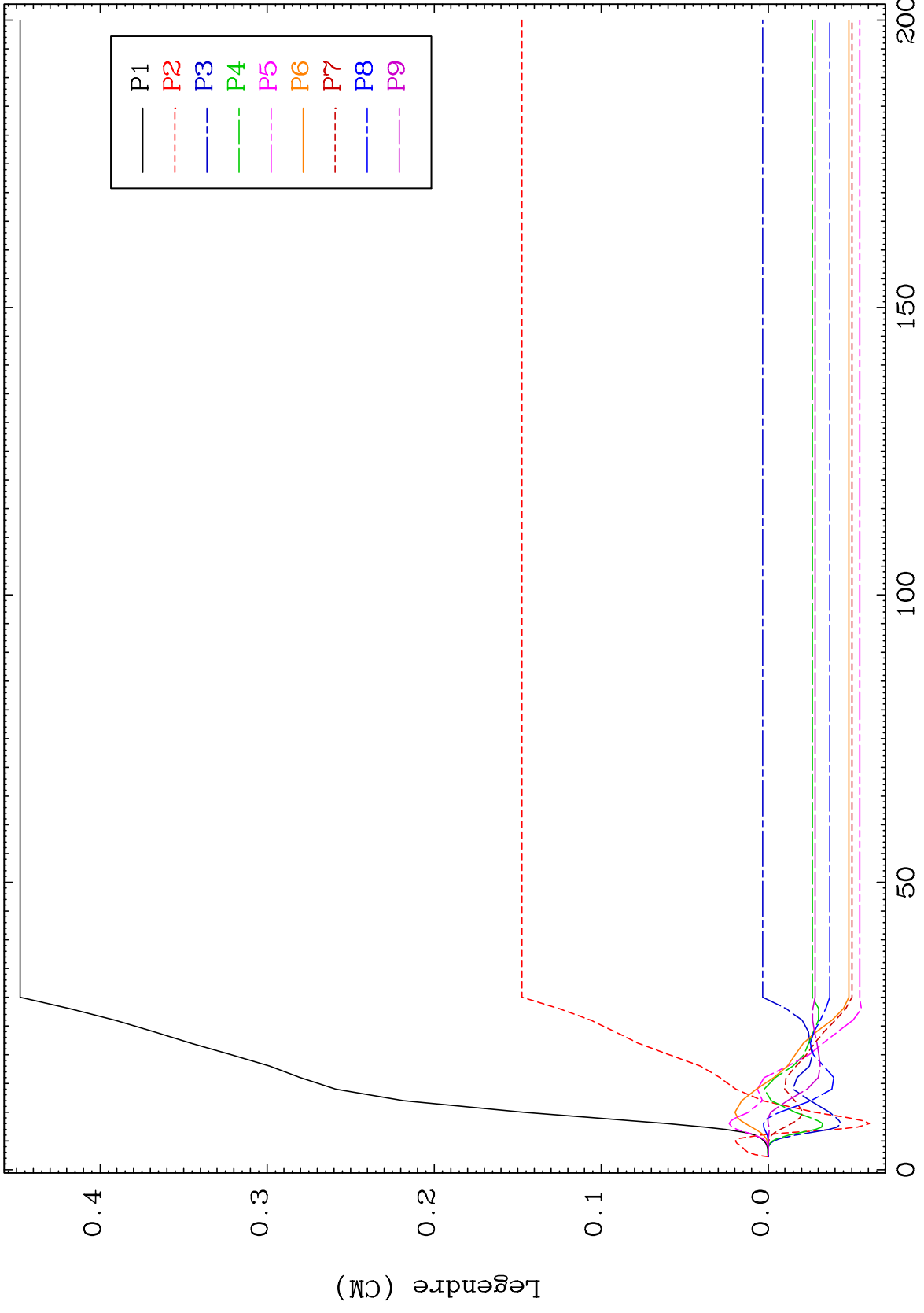


60-Nd-141

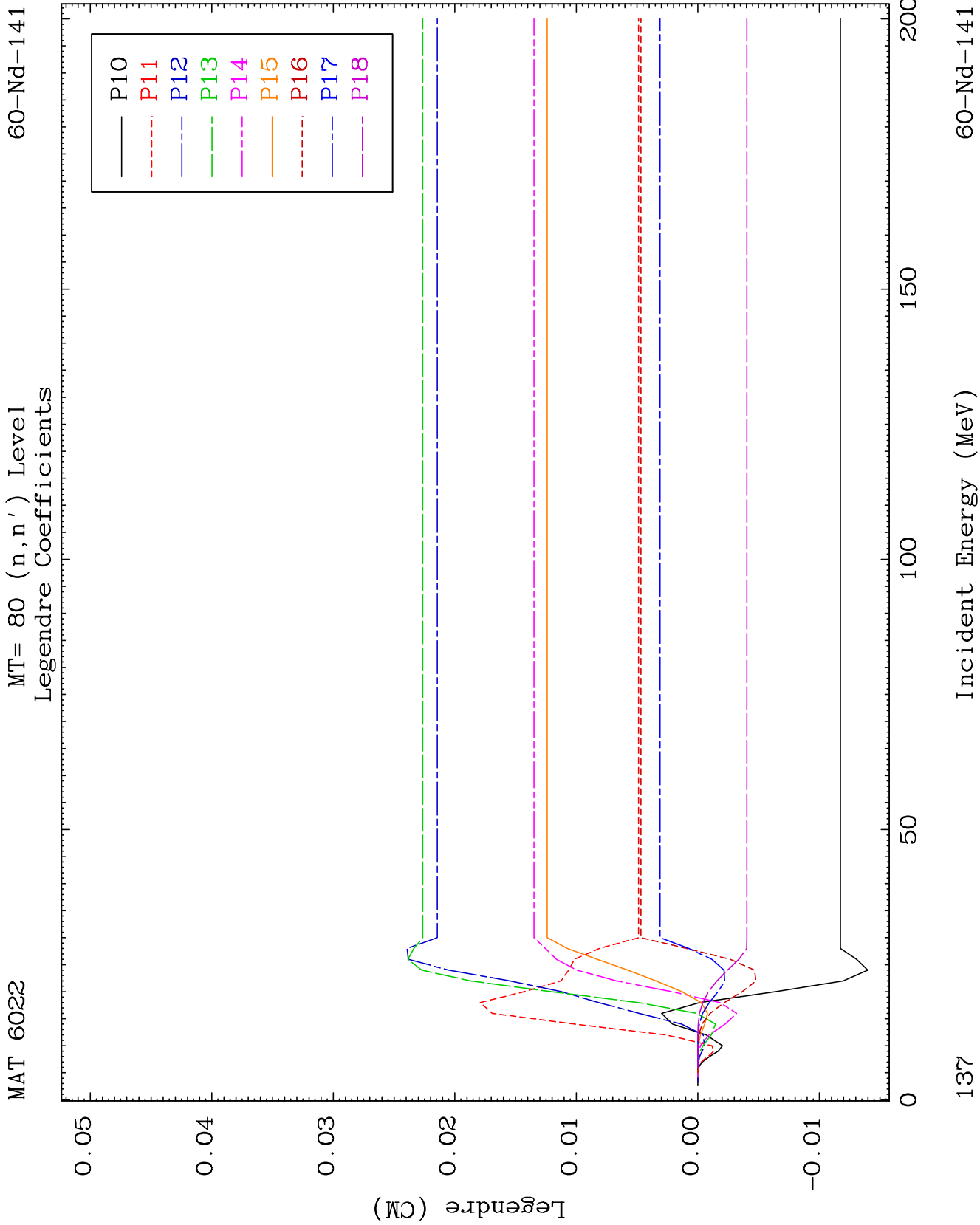
Incident Energy (MeV)

135

MAT 6022 MT= 80 (n,n') Level Legendre Coefficients 60-Nd-141



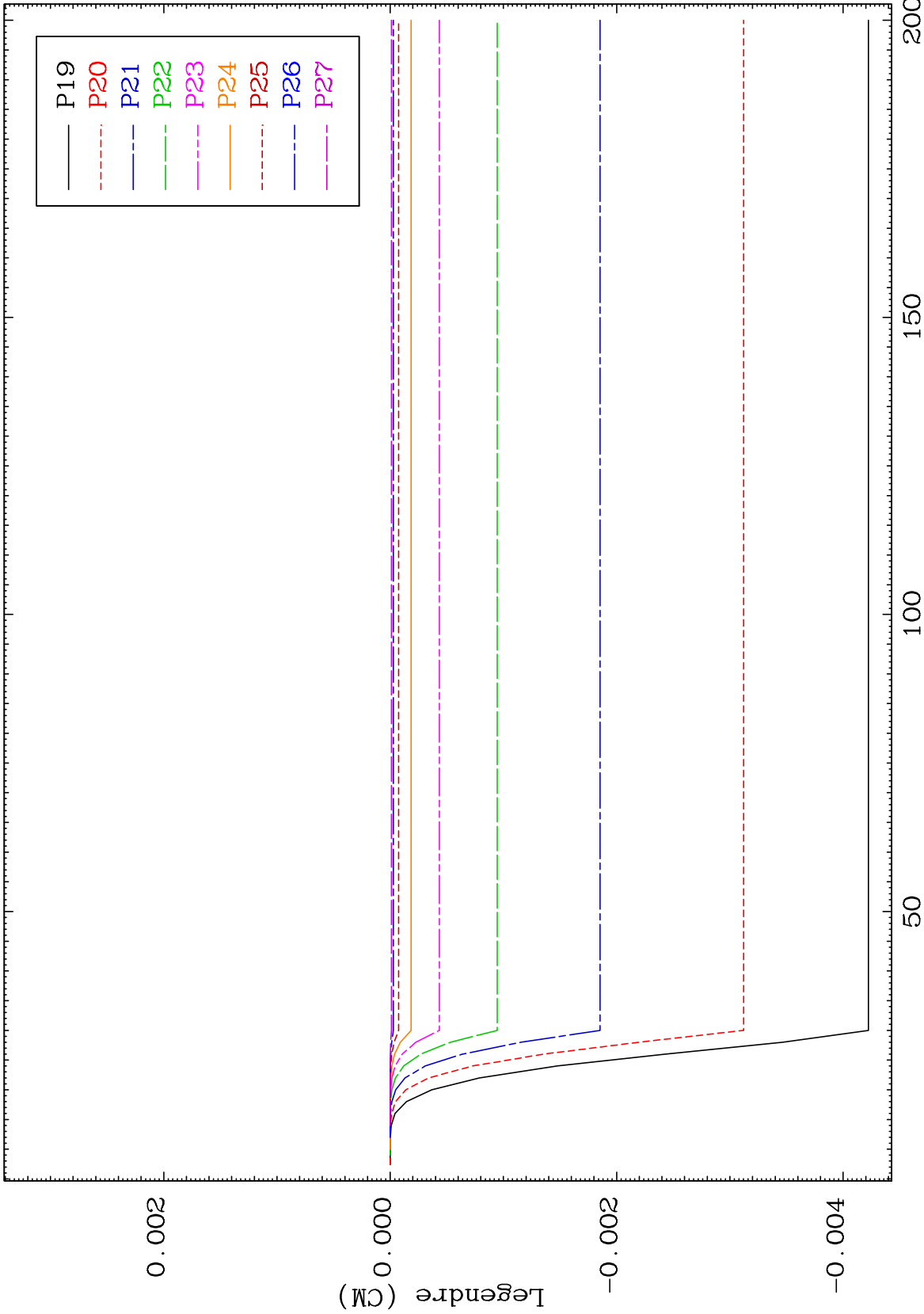
136 Incident Energy (MeV) 60-Nd-141



MAT 6022

MT= 80 (n,n') Level
Legendre Coefficients

60-Nd-141



138

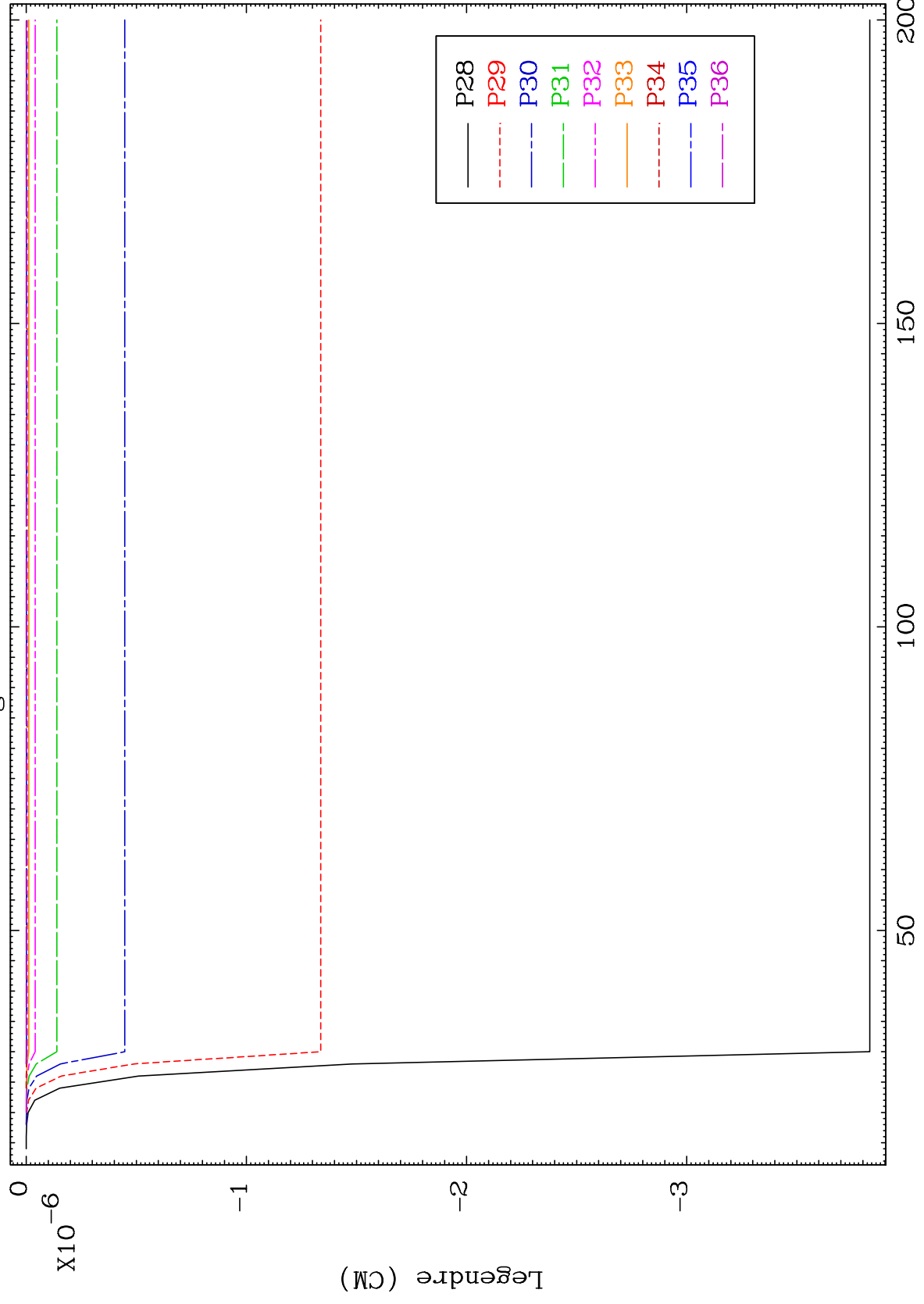
Incident Energy (MeV)

60-Nd-141

MAT 6022

MT= 80 (n,n') Level
Legendre Coefficients

60-Nd-141



60-Nd-141

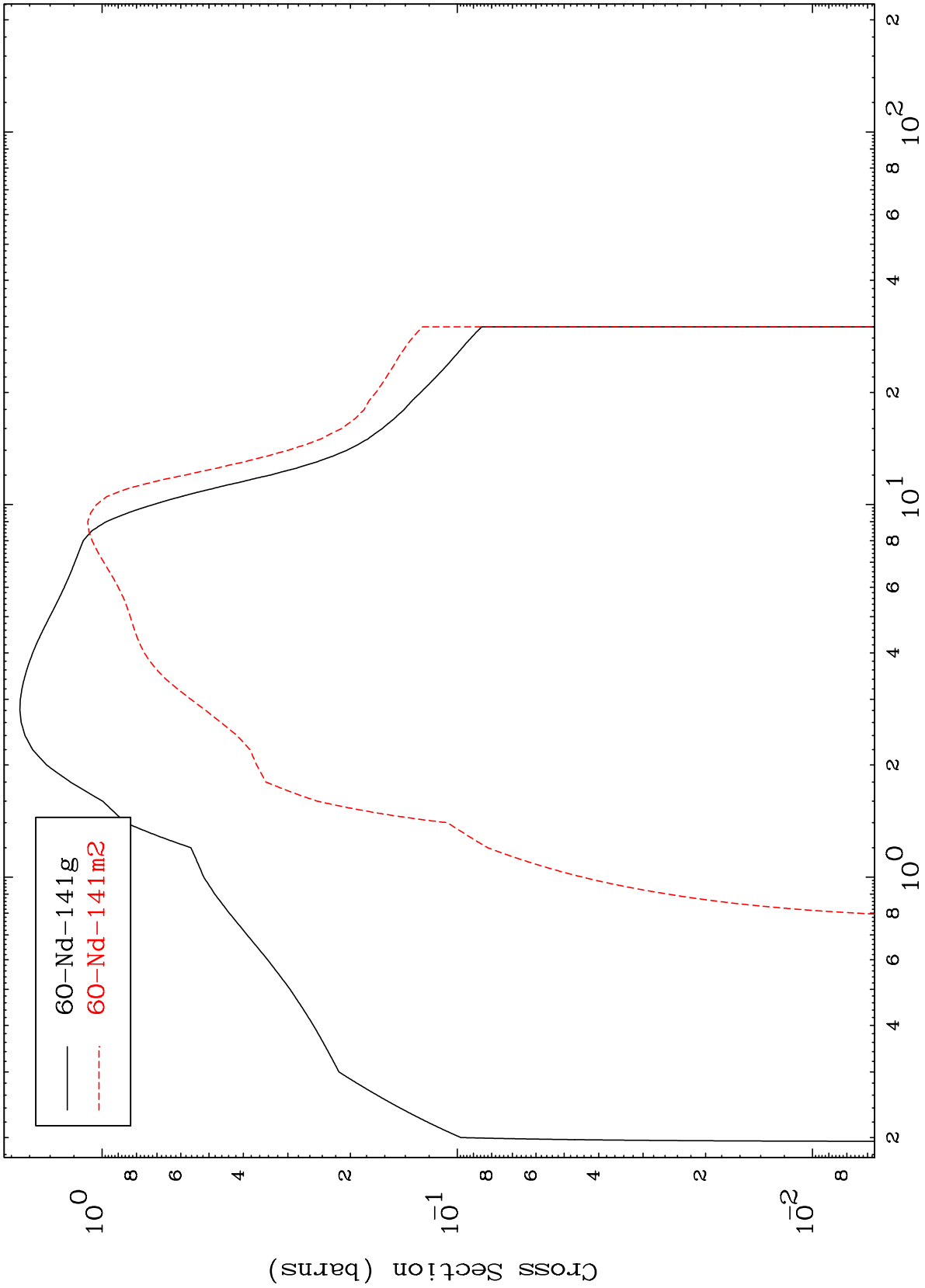
Incident Energy (MeV)

139

MAT 6022

60-Nd-141

Inelastic Radionuclide Production Cross Section



— 60-Nd-141 g
- - - 60-Nd-141 m2

60-Nd-141

Incident Energy (MeV)

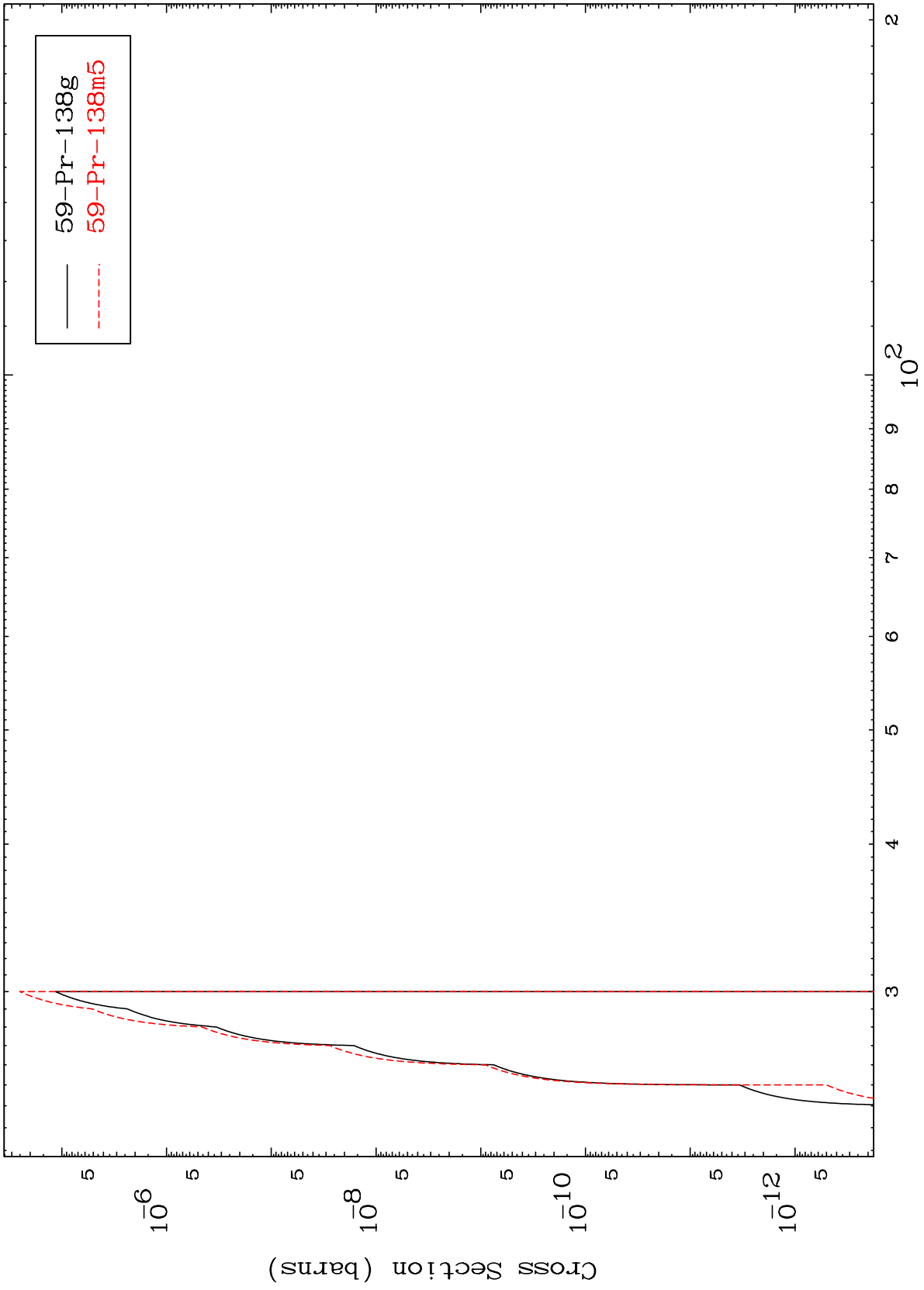
140

MAT 6022

(n,2n) d

60-Nd-141

Radionuclide Production Cross Section



141

Incident Energy (MeV)

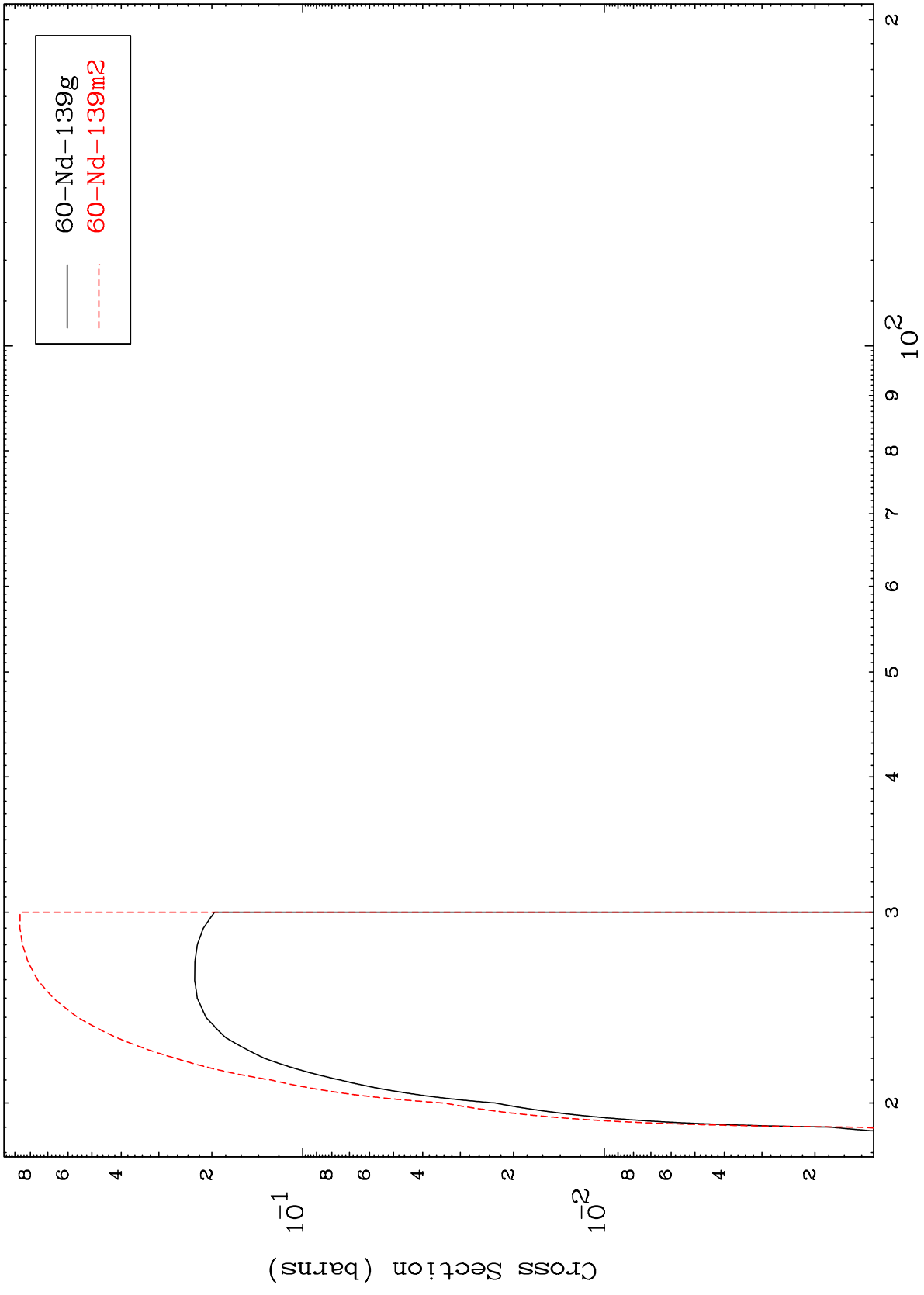
60-Nd-141

MAT 6022

(n,3n)

60-Nd-141

Radionuclide Production Cross Section



142

Incident Energy (MeV)

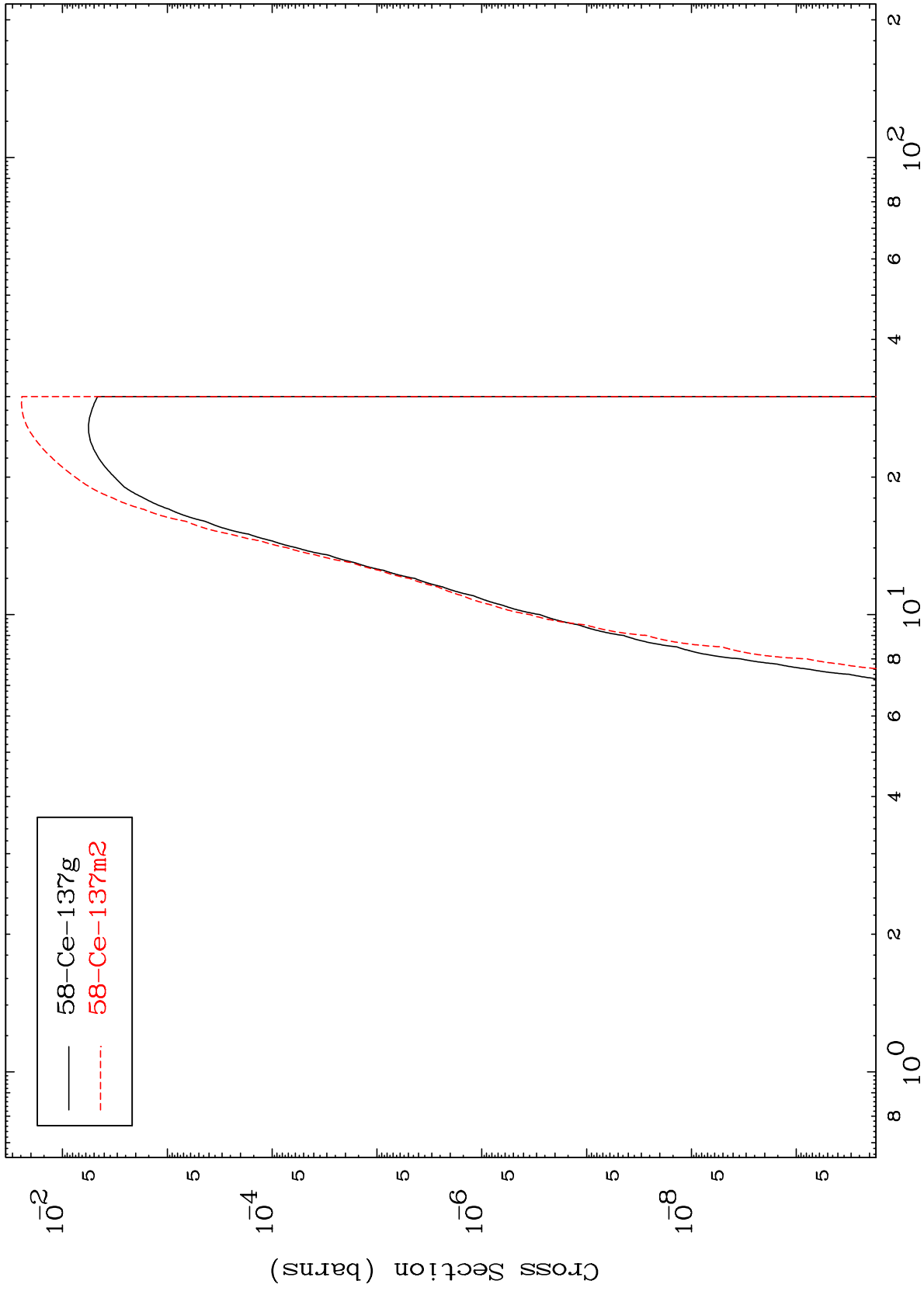
60-Nd-141

MAT 6022

(n,n') α

60-Nd-141

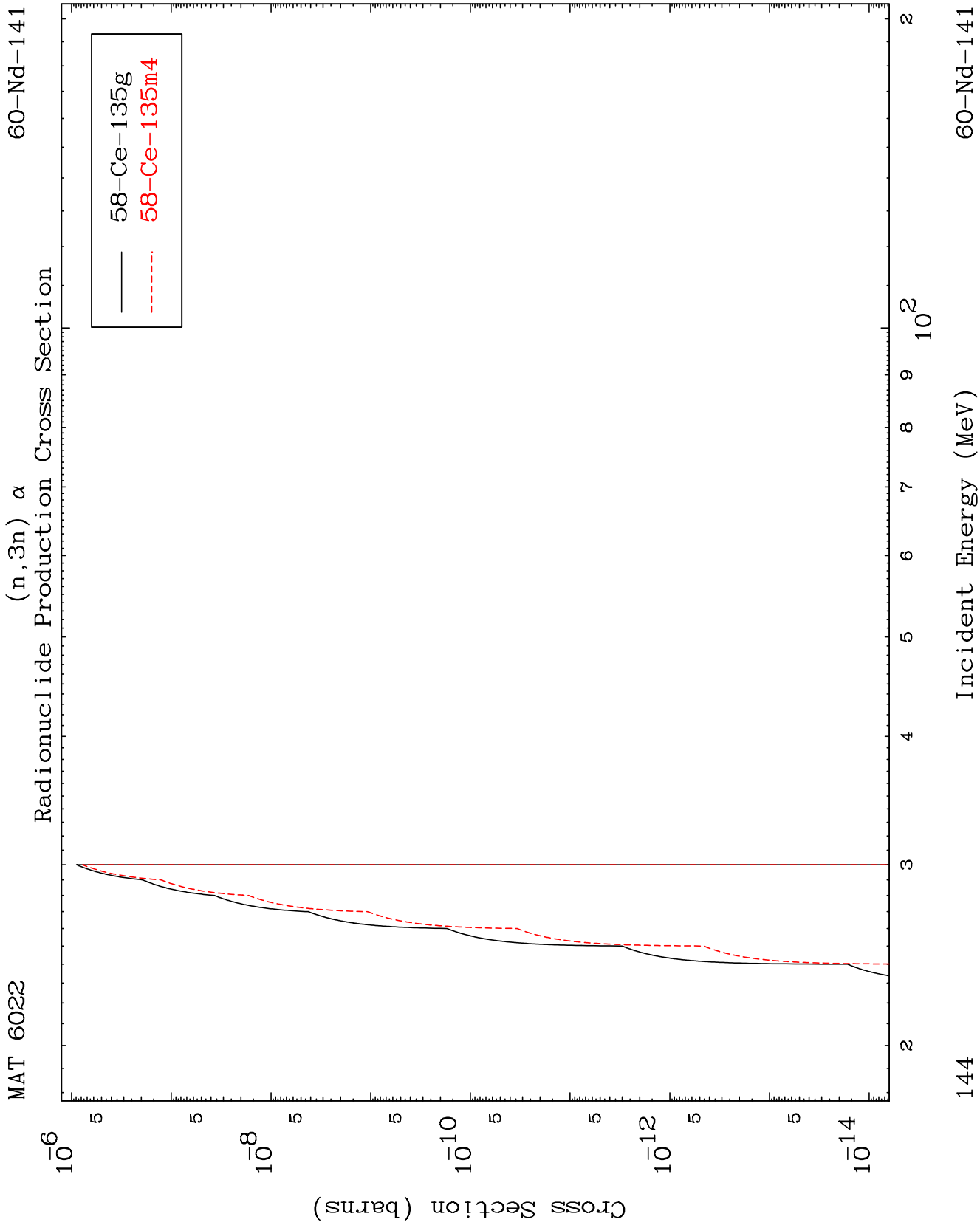
Radionuclide Production Cross Section



143

Incident Energy (MeV)

60-Nd-141

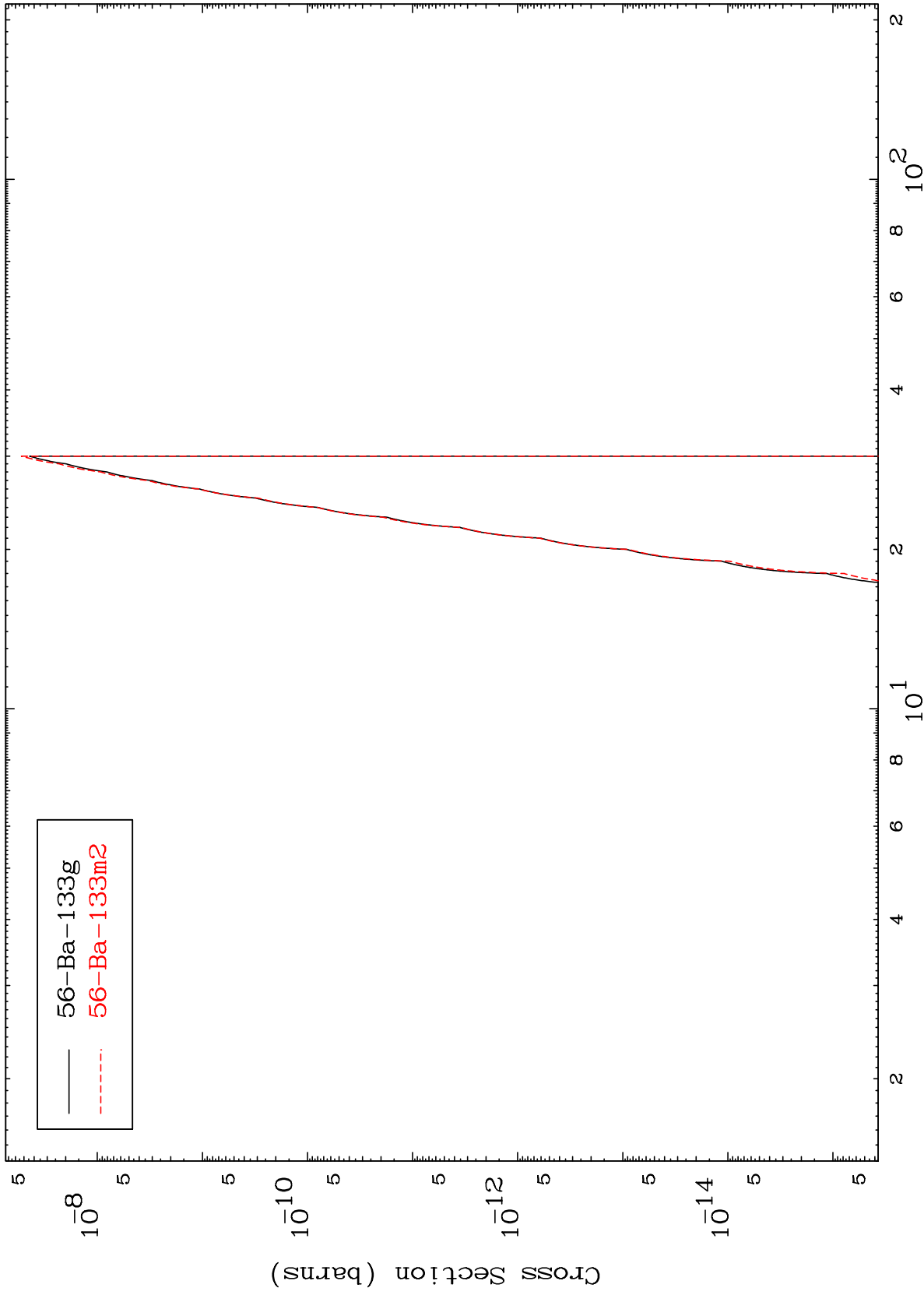


MAT 6022

(n,n') 2 α

60-Nd-141

Radionuclide Production Cross Section



145

Incident Energy (MeV)

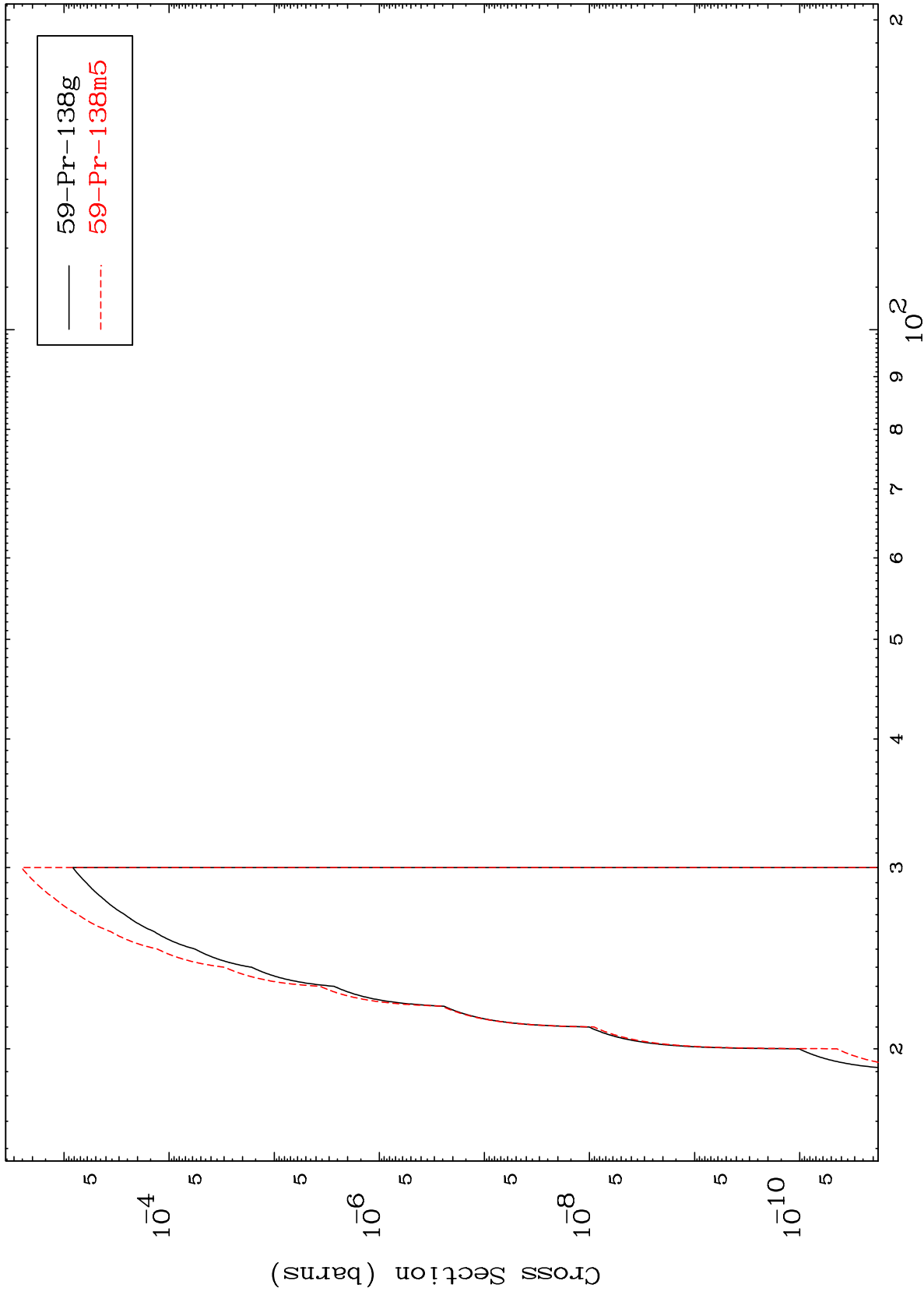
60-Nd-141

MAT 6022

(n,n') t

⁶⁰Nd-141

Radionuclide Production Cross Section



146

Incident Energy (MeV)

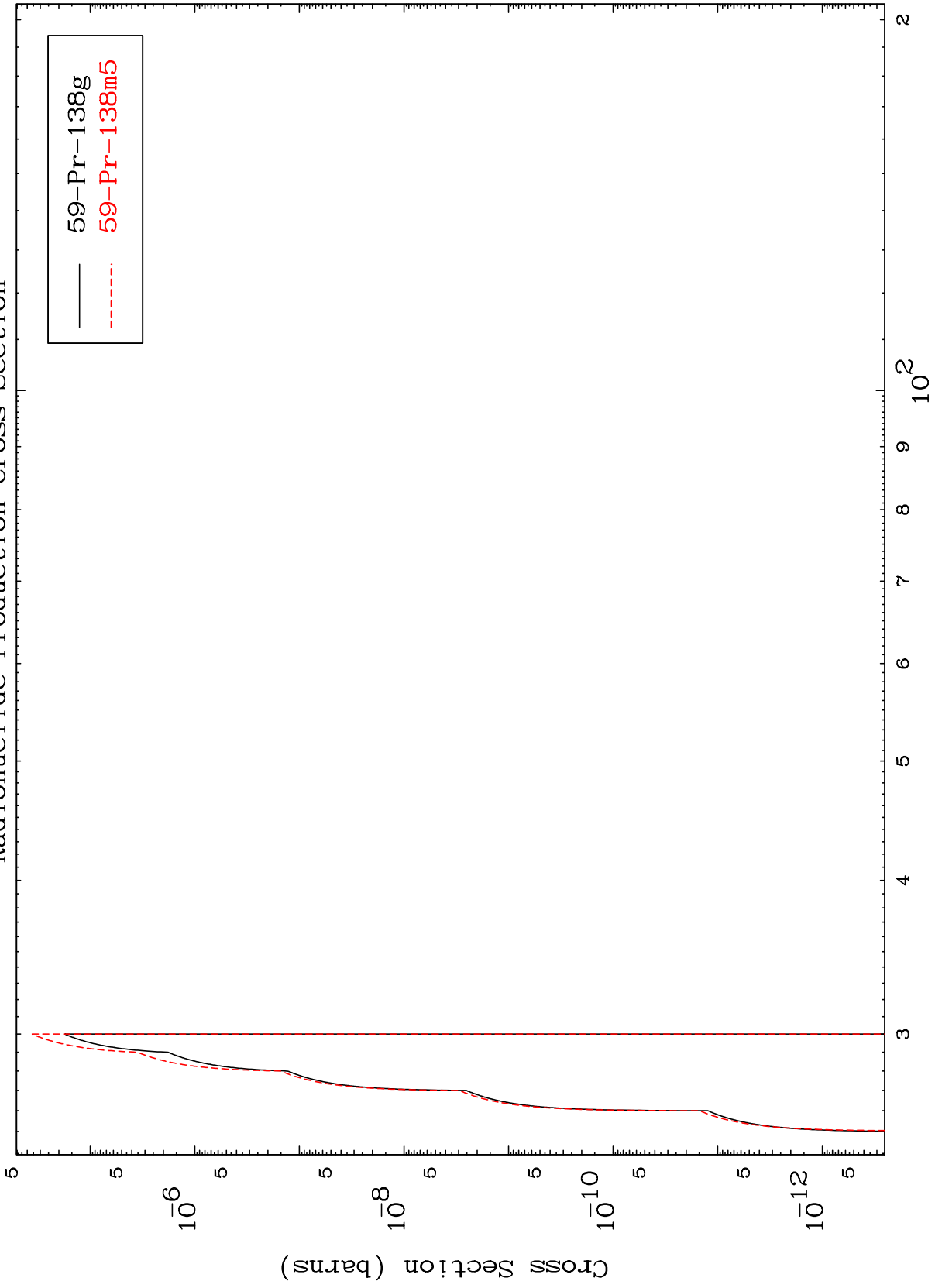
⁶⁰Nd-141

MAT 6022

(n,3n) p

60-Nd-141

Radionuclide Production Cross Section



147

Incident Energy (MeV)

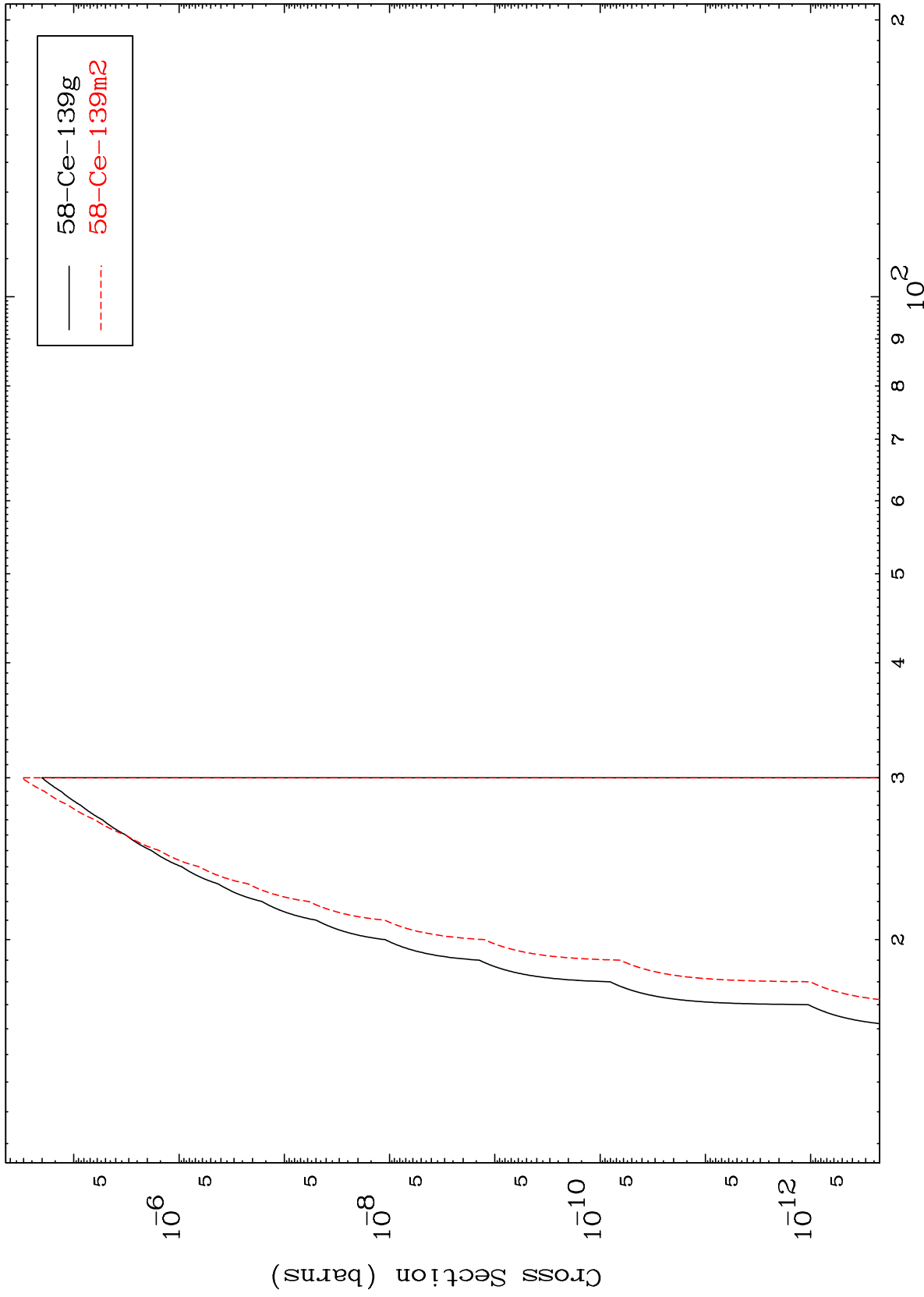
60-Nd-141

MAT 6022

(n,2n) p

60-Nd-141

Radionuclide Production Cross Section



148

Incident Energy (MeV)

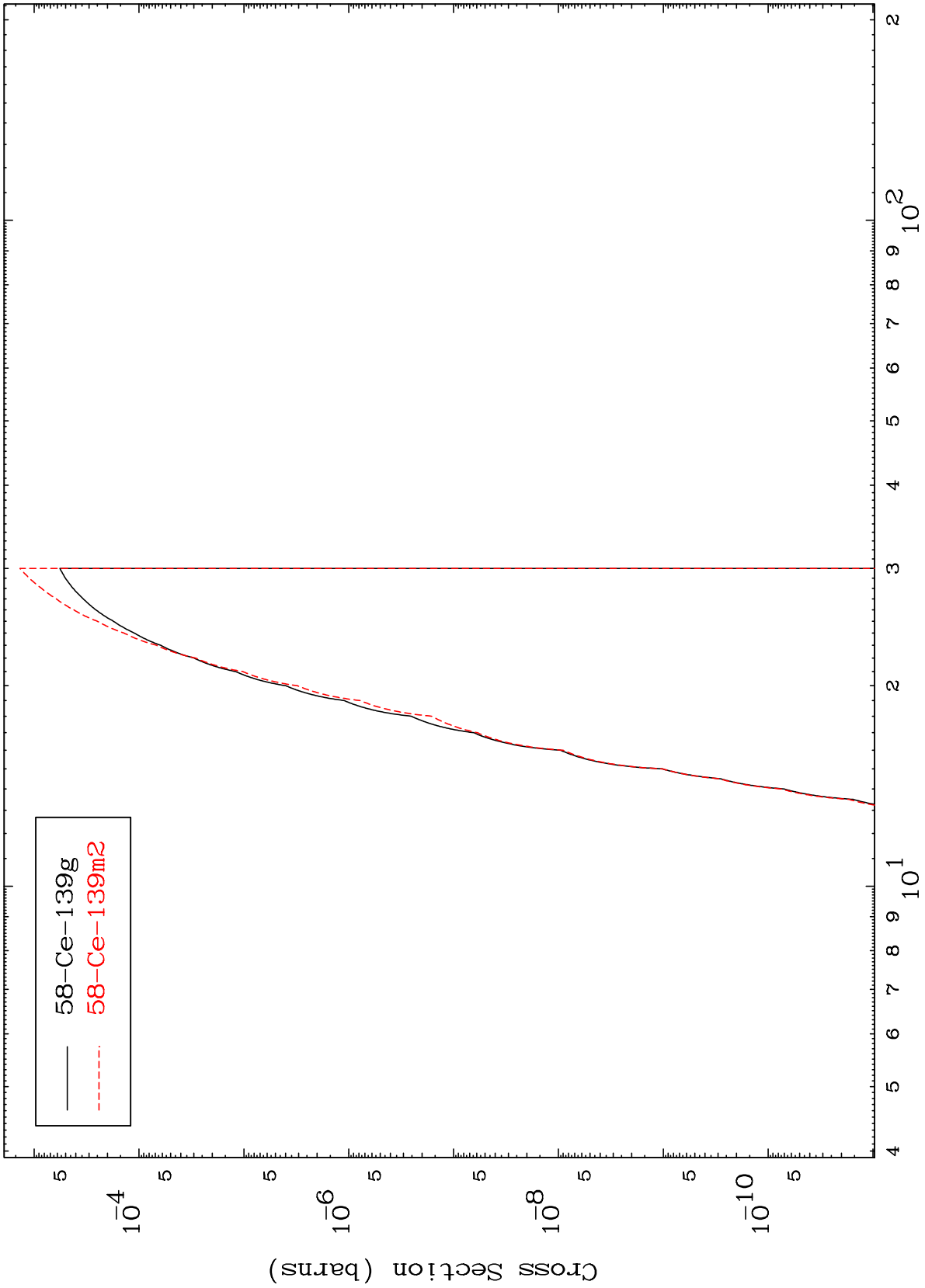
60-Nd-141

MAT 6022

(n, He-3)

60-Nd-141

Radionuclide Production Cross Section



149

Incident Energy (MeV)

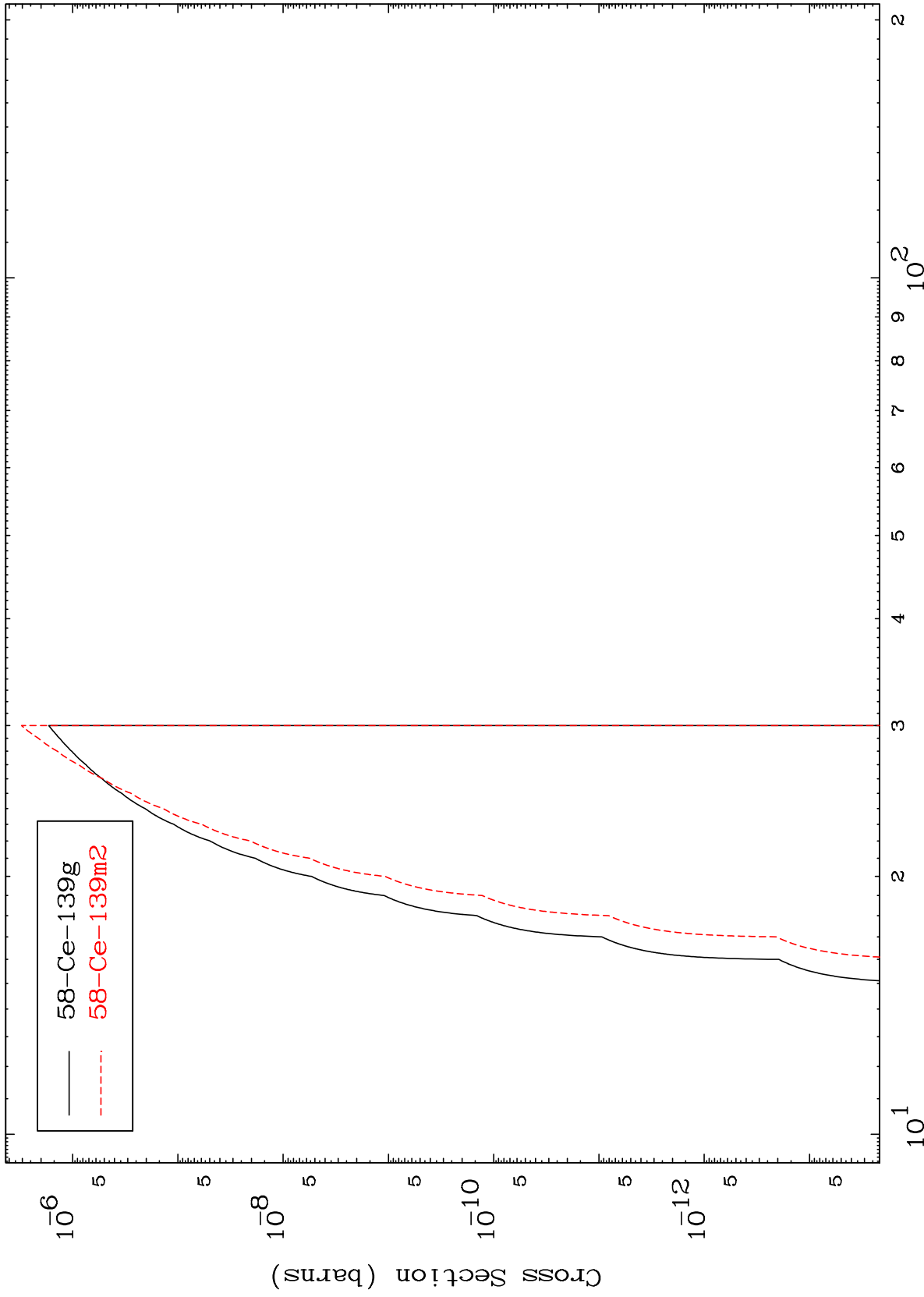
60-Nd-141

MAT 6022

(n,p) d

60-Nd-141

Radionuclide Production Cross Section



58-Ce-139g
58-Ce-139m2

150

Incident Energy (MeV)

60-Nd-141