

Program EVALPLOT
(Version 2021-1)

by

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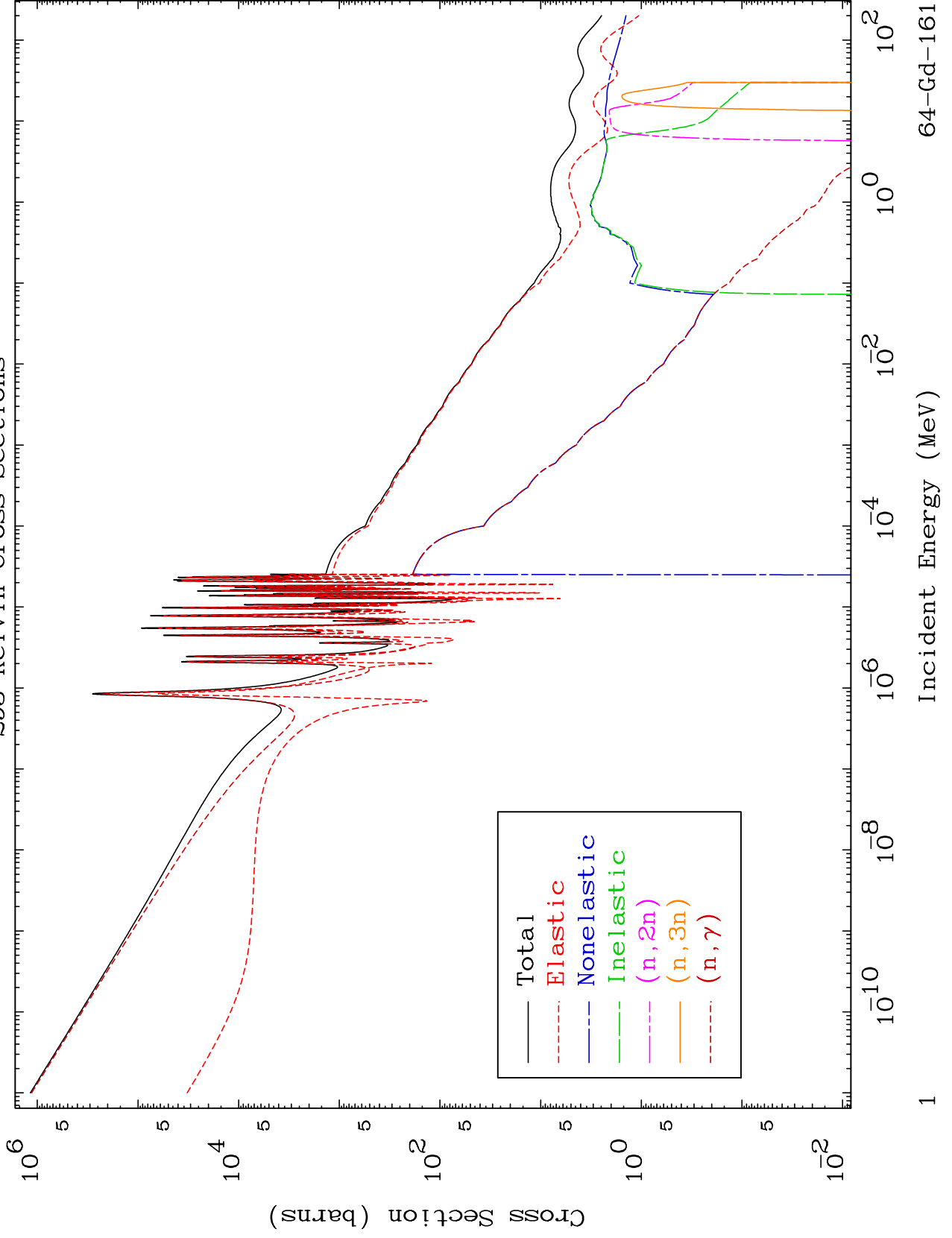
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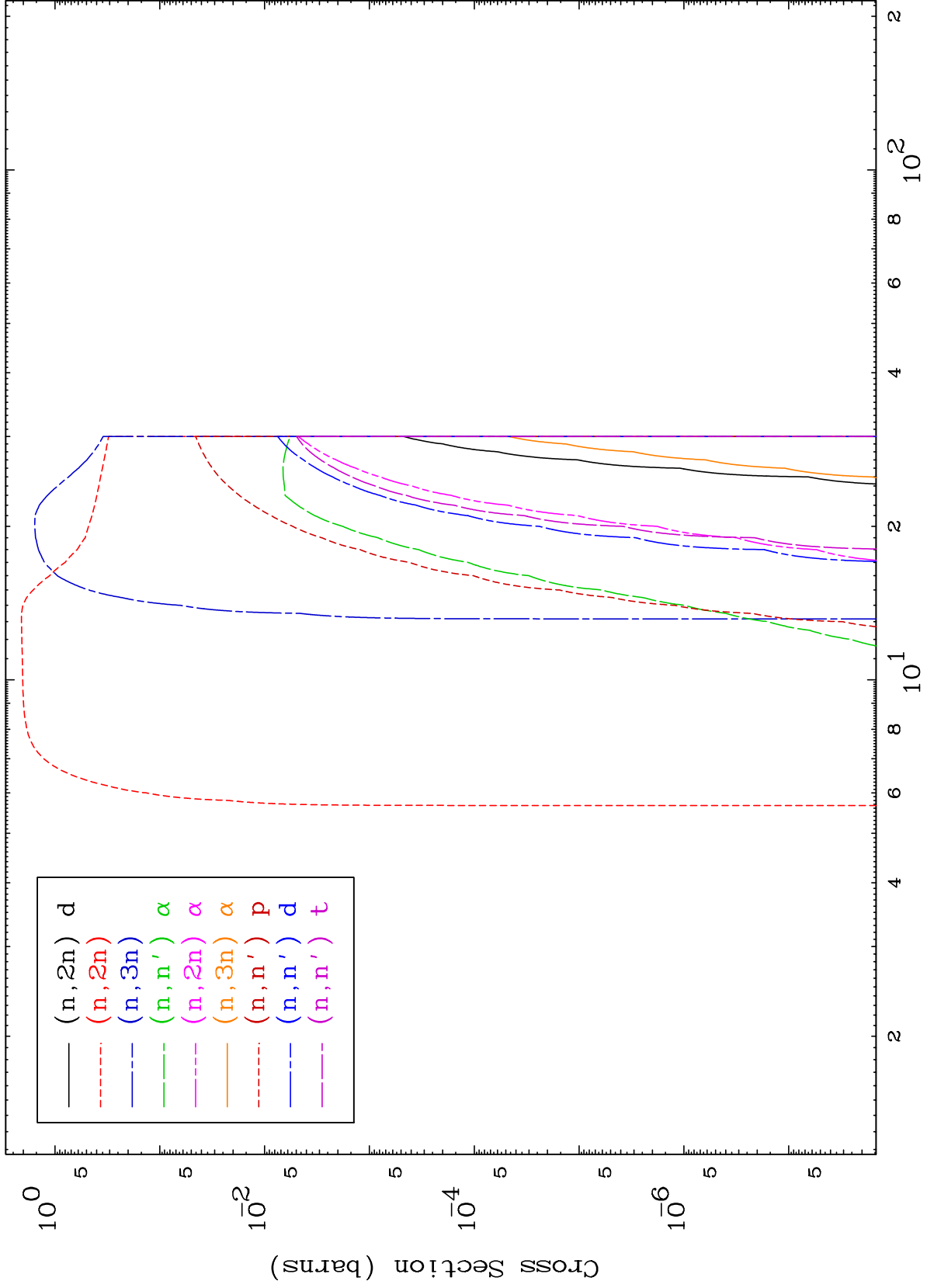
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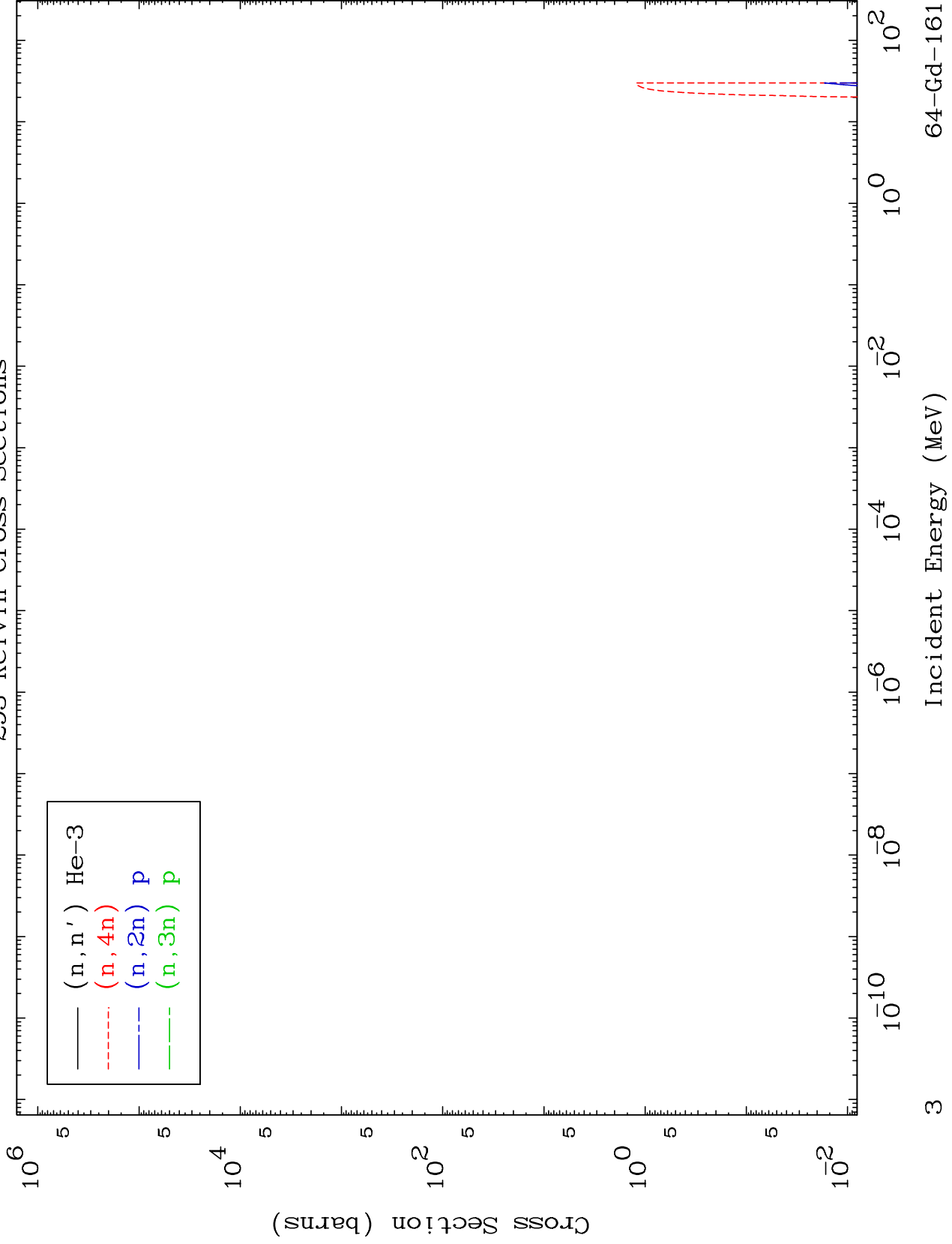
MAT 6452

Neutron Major
293 Kelvin Cross Sections

64-Gd-161



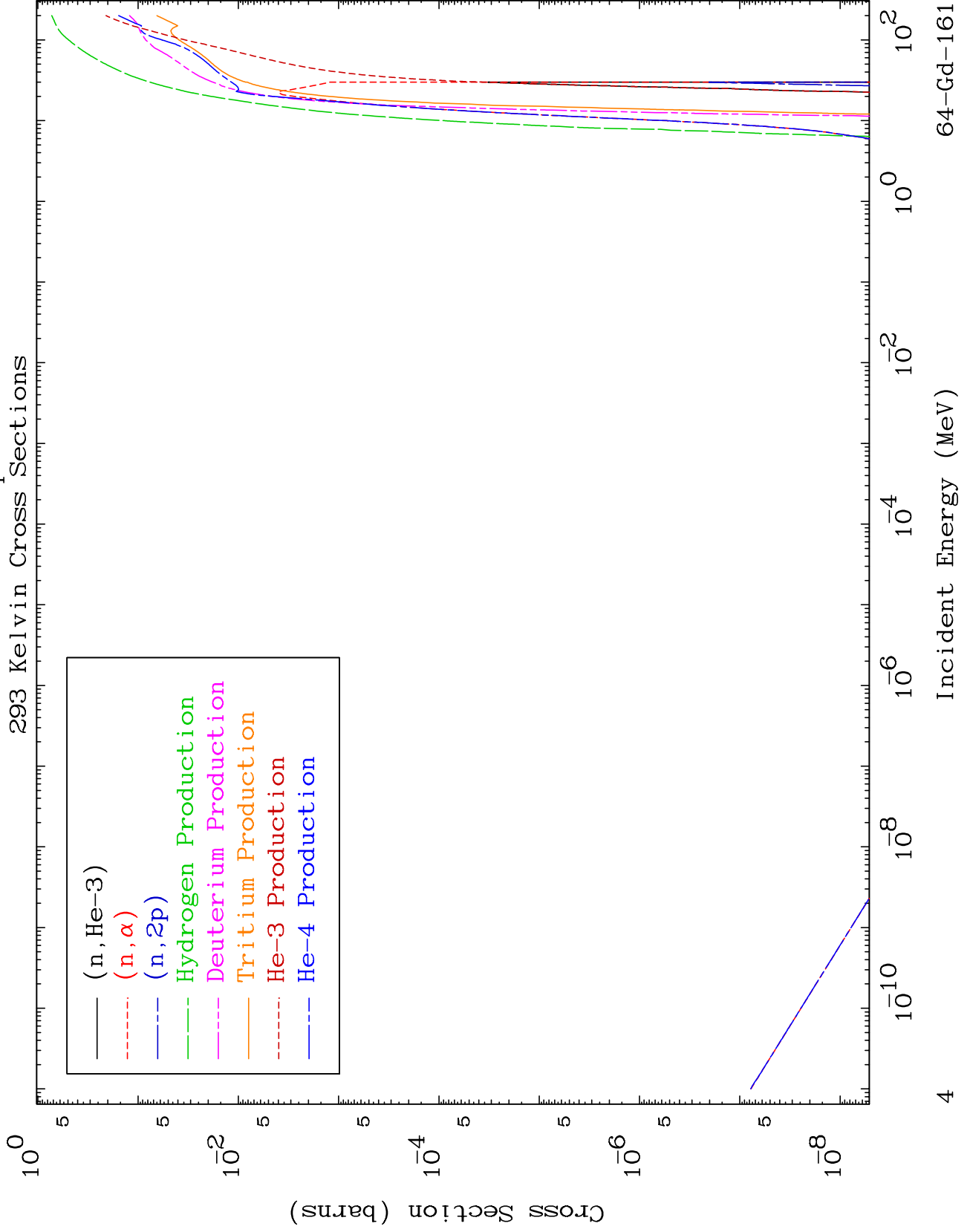


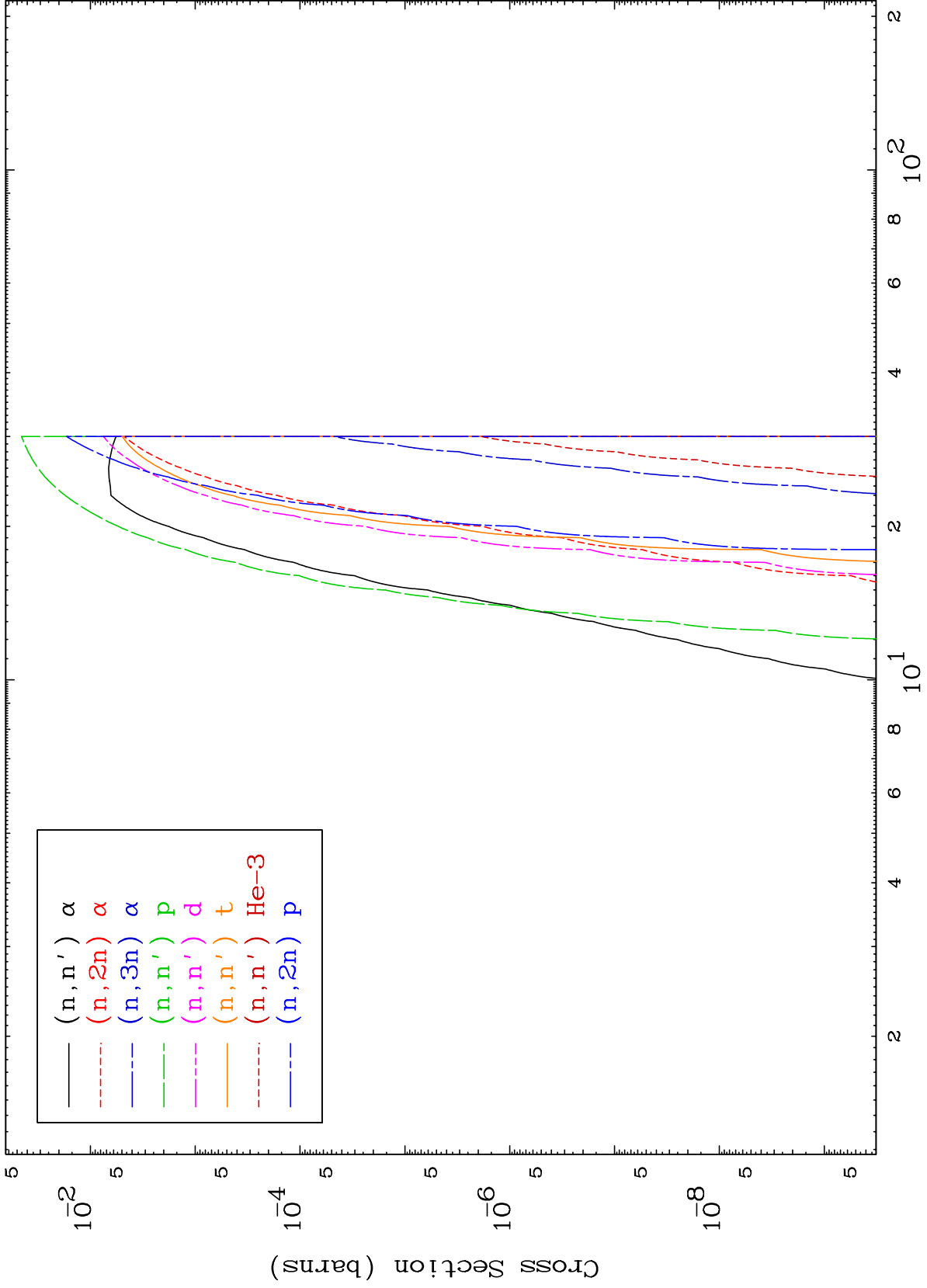


MAT 6452

Neutron Absorption
293 Kelvin Cross Sections

64-Gd-161

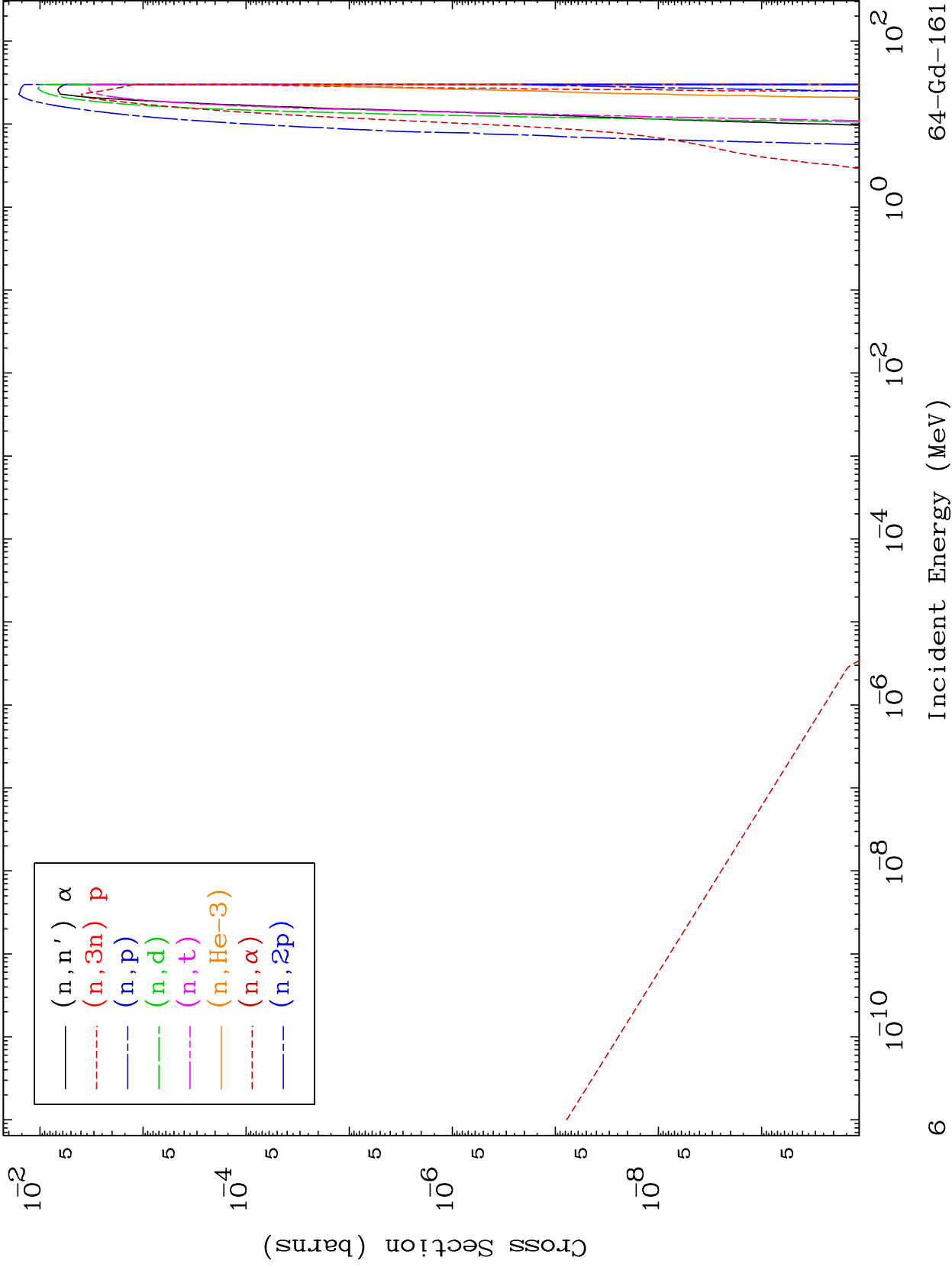




MAT 6452

Charged Particle
293 Kelvin Cross Sections

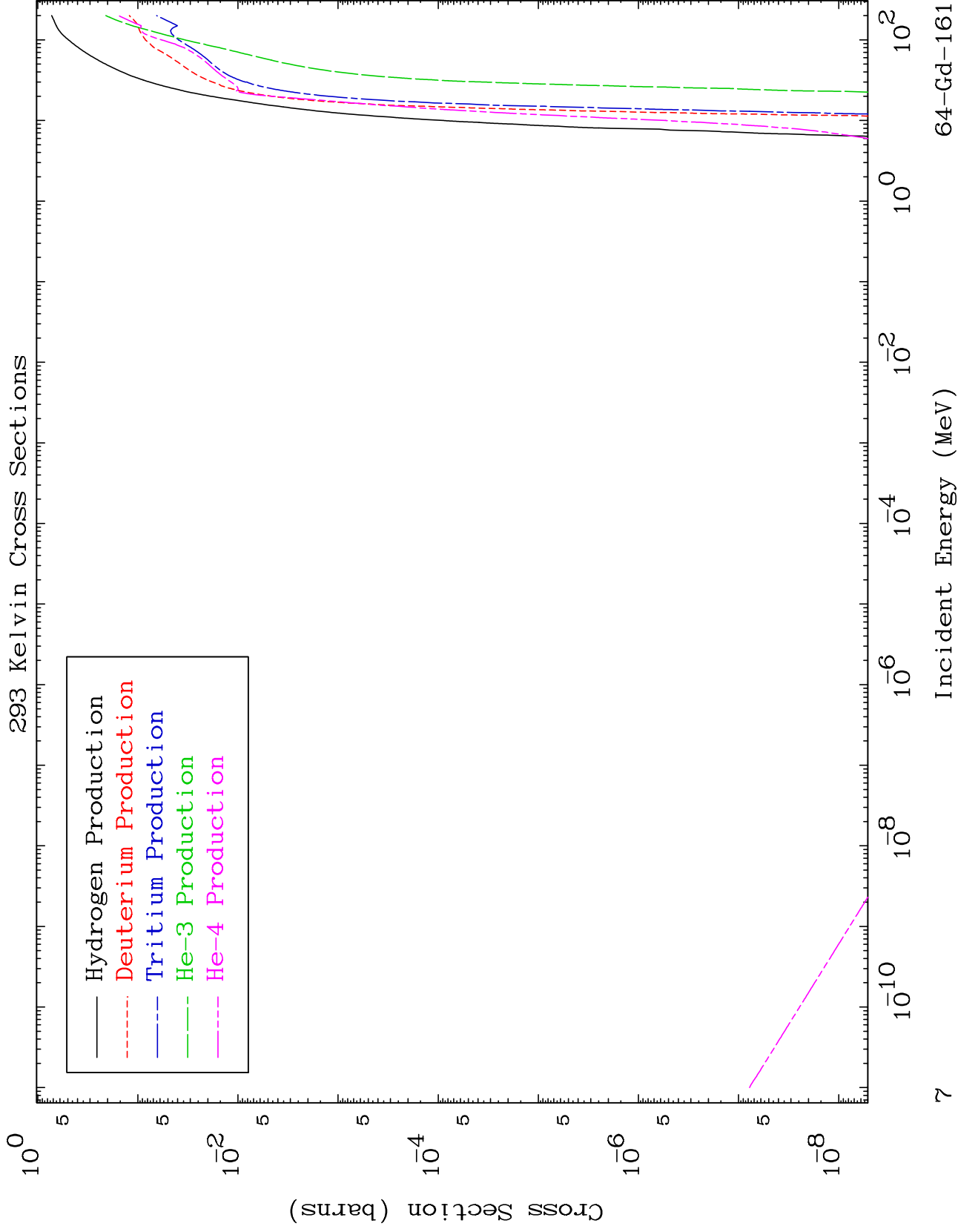
64-Gd-161



MAT 6452

Particle Production
293 Kelvin Cross Sections

64-Gd-161

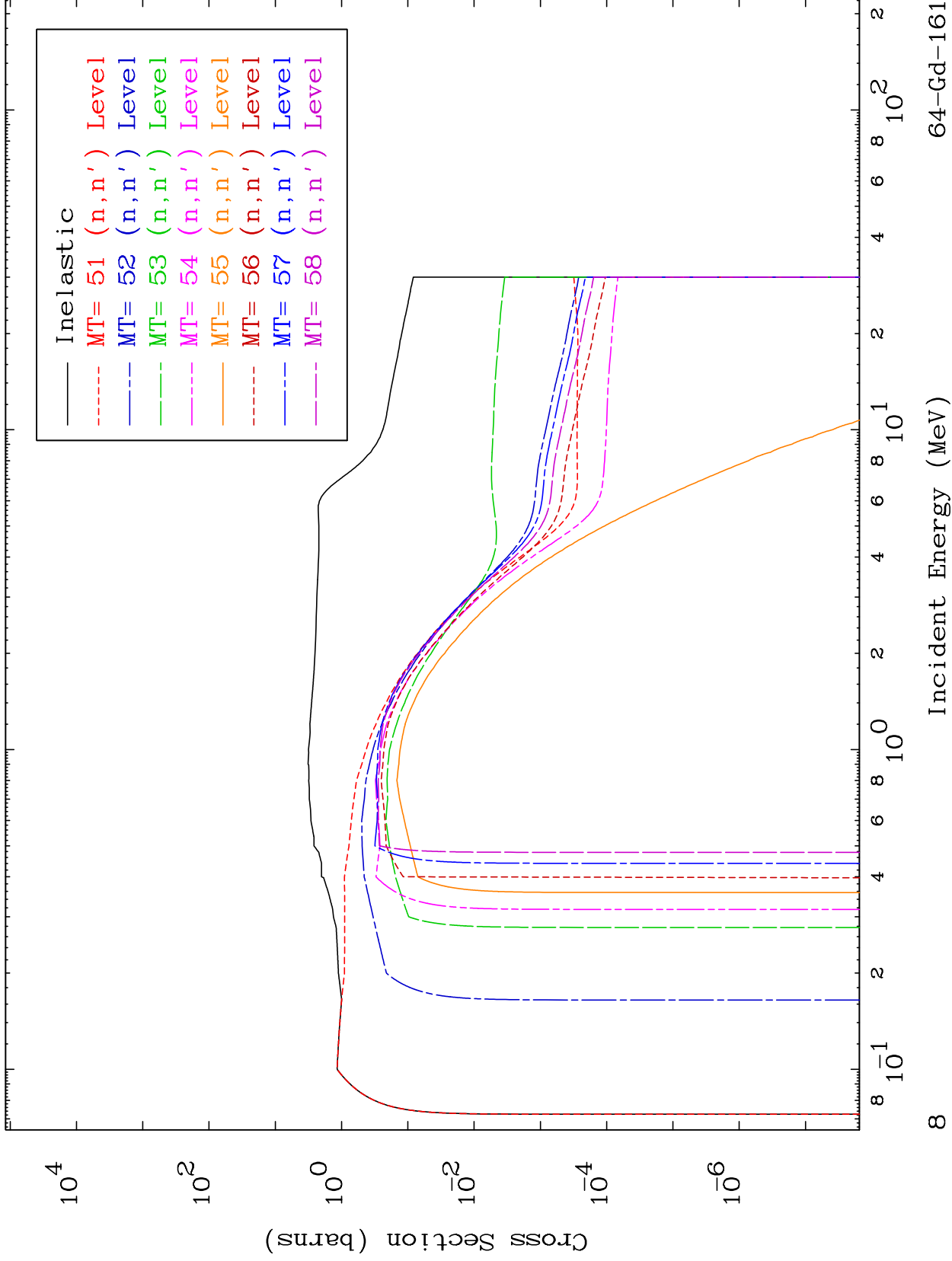


MAT 6452

(n,n') Levels

64-Gd-161

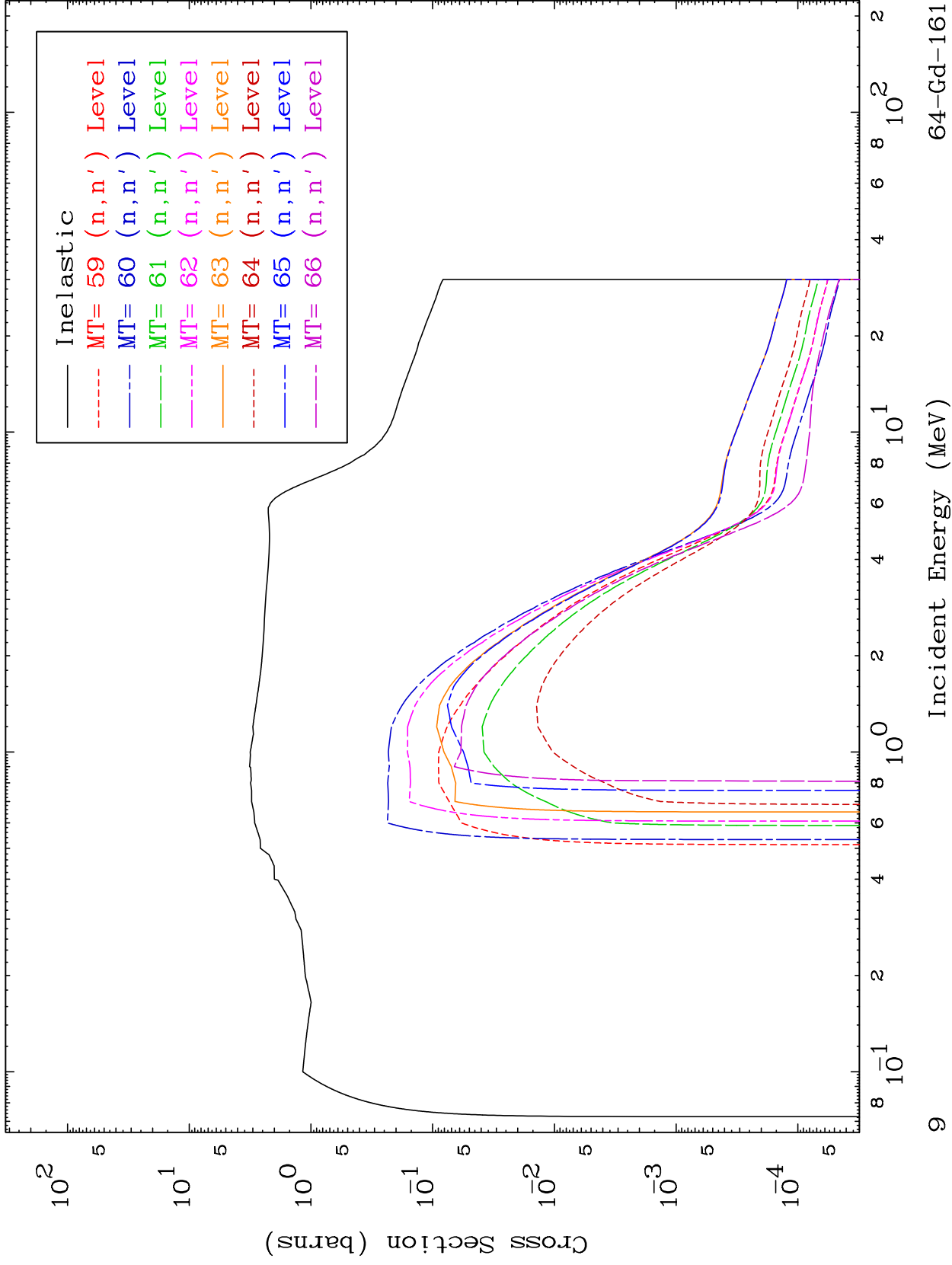
293 Kelvin Cross Sections



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Incident Energy (MeV)

64-Gd-161

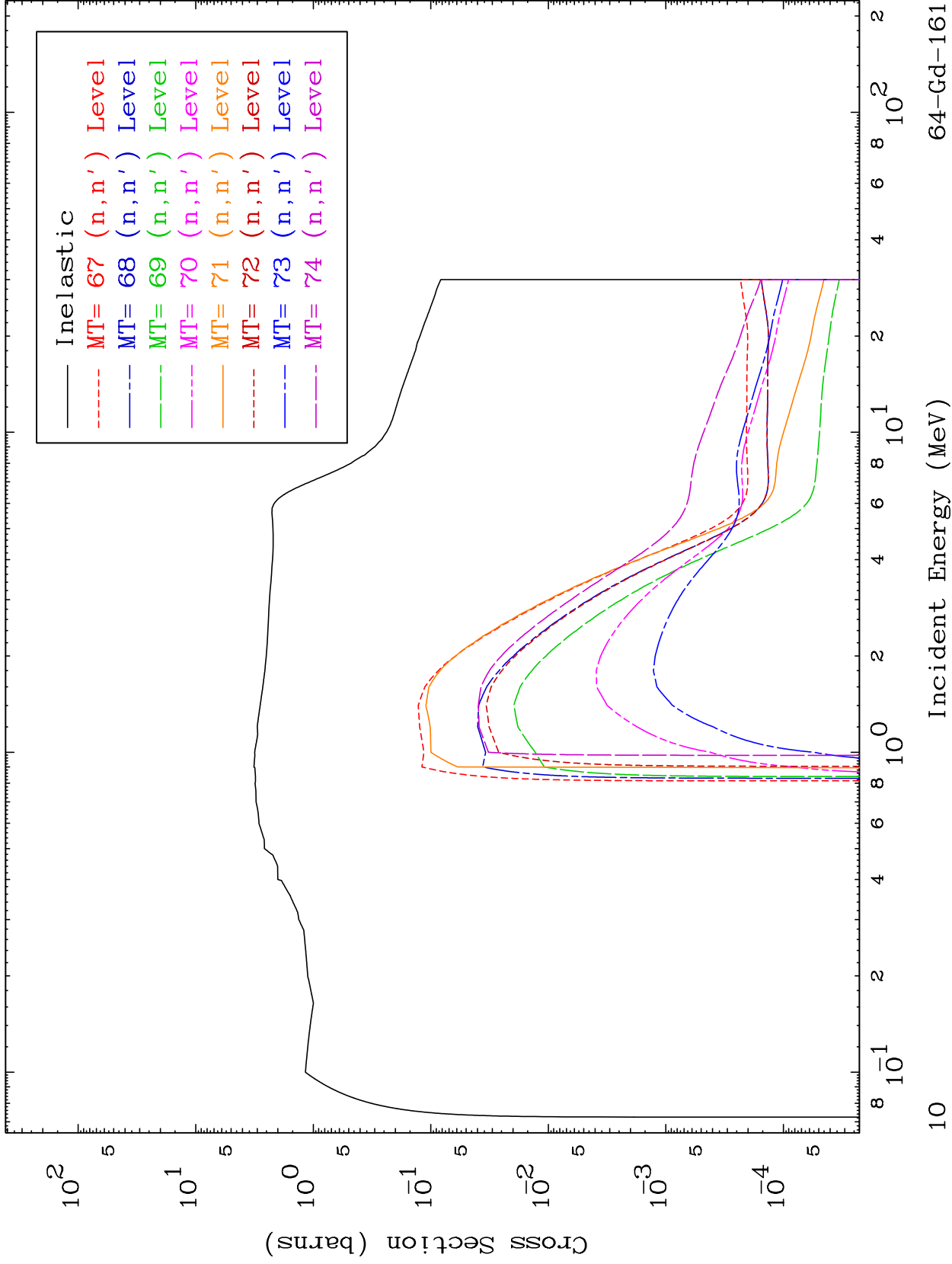


MAT 6452

(n,n') Levels

64-Gd-161

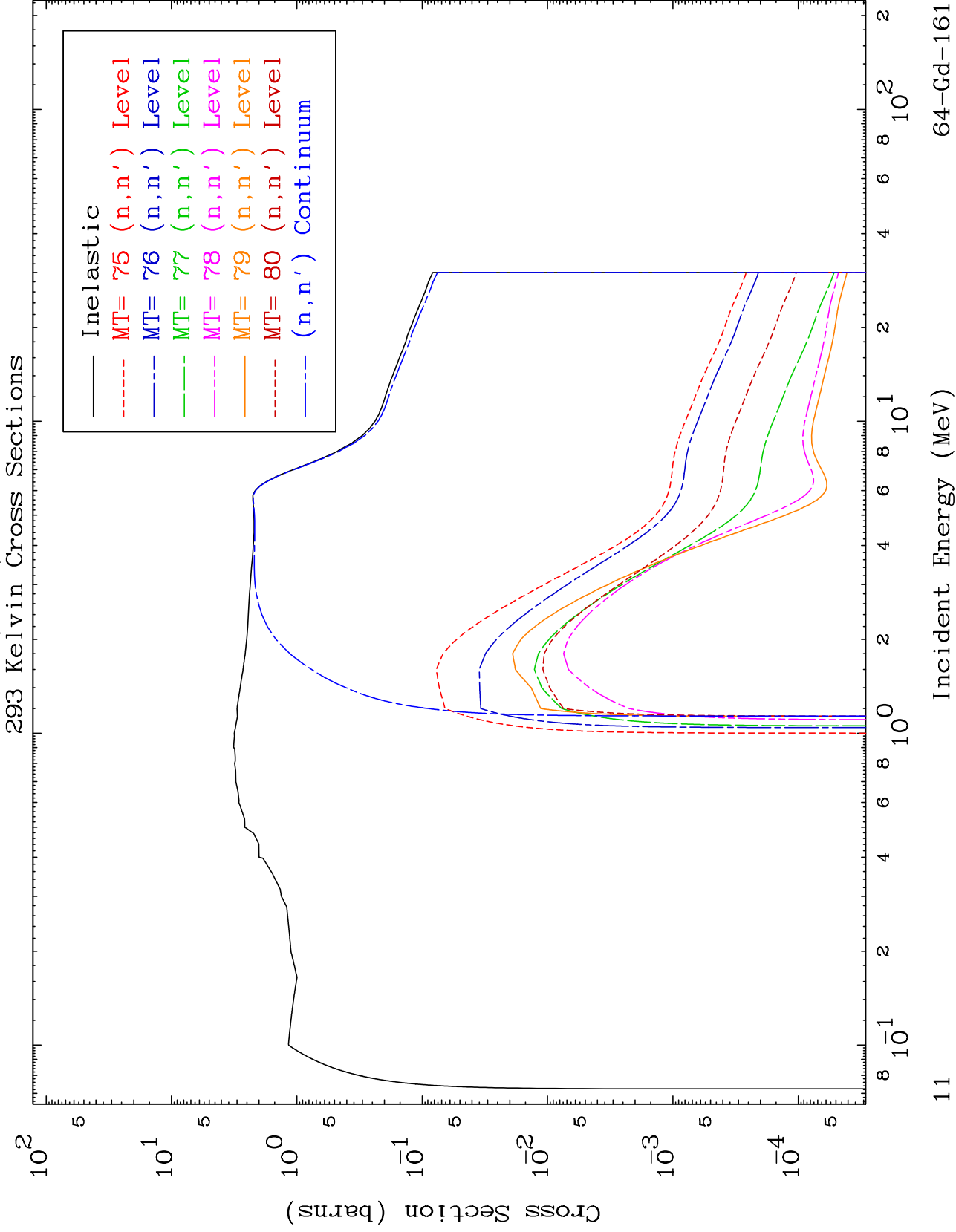
293 Kelvin Cross Sections



64-Gd-161

Incident Energy (MeV)

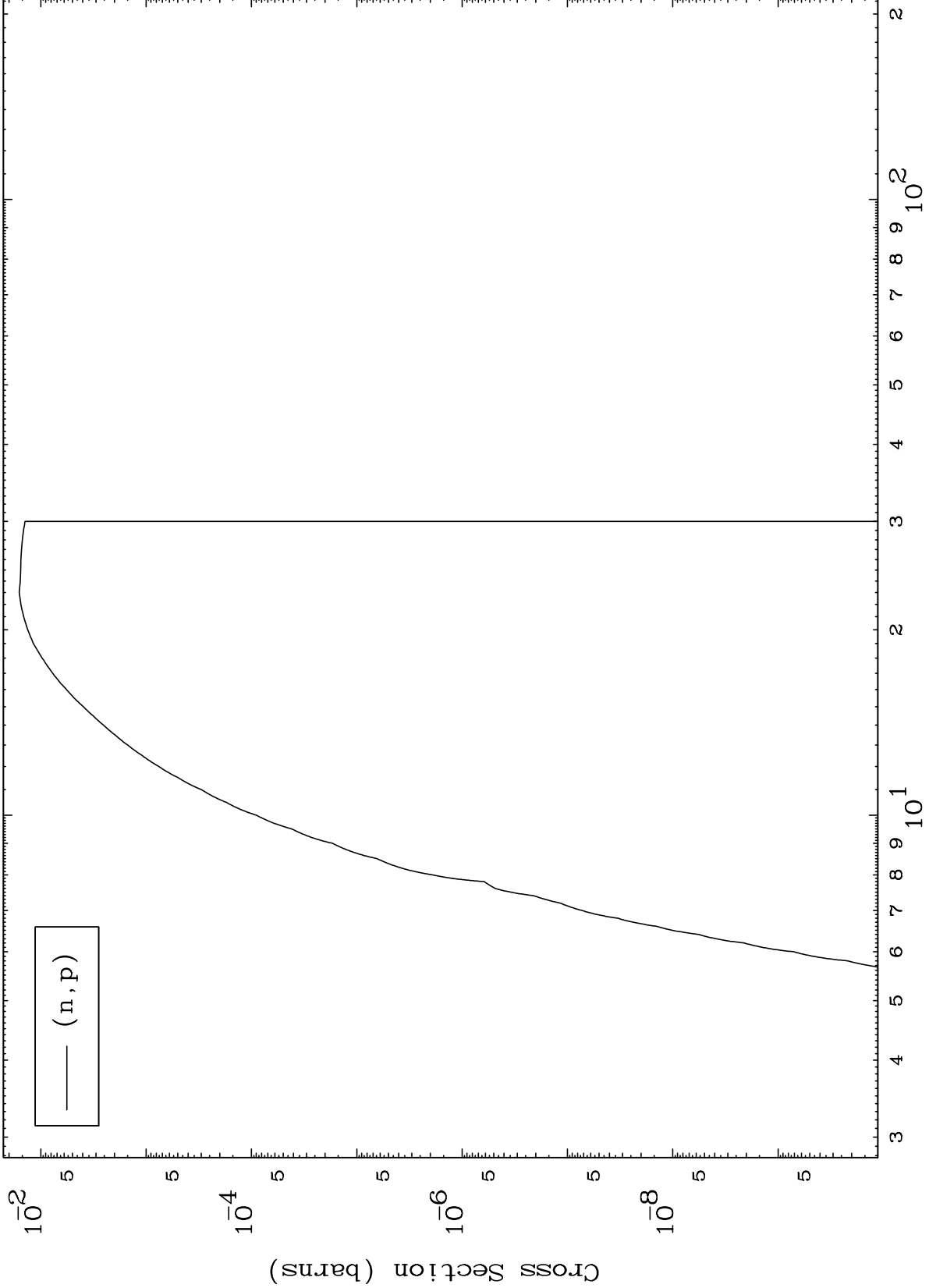
10



MAT 6452

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-161



12

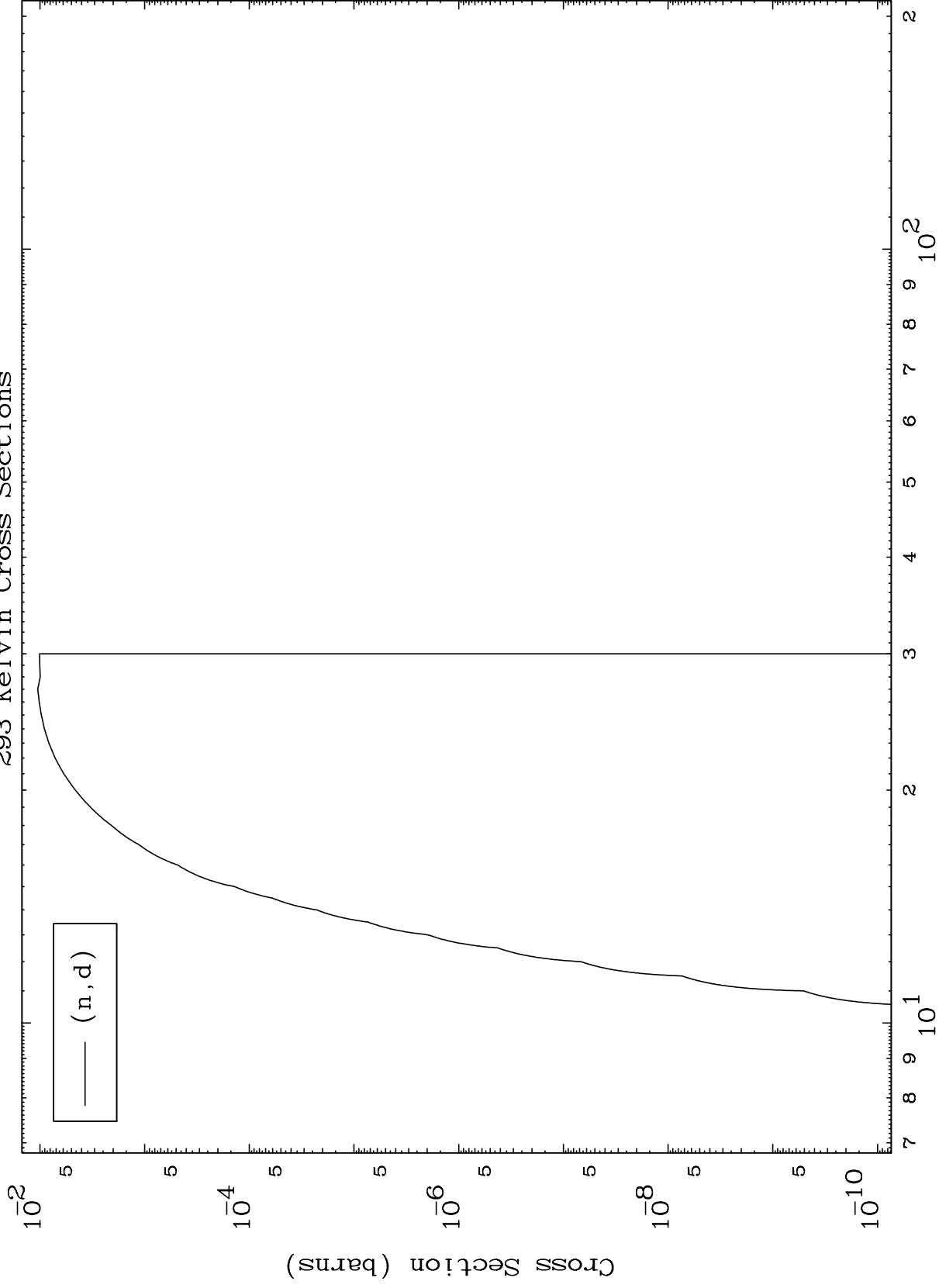
Incident Energy (MeV)

64-Gd-161

MAT 6452

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-161



13

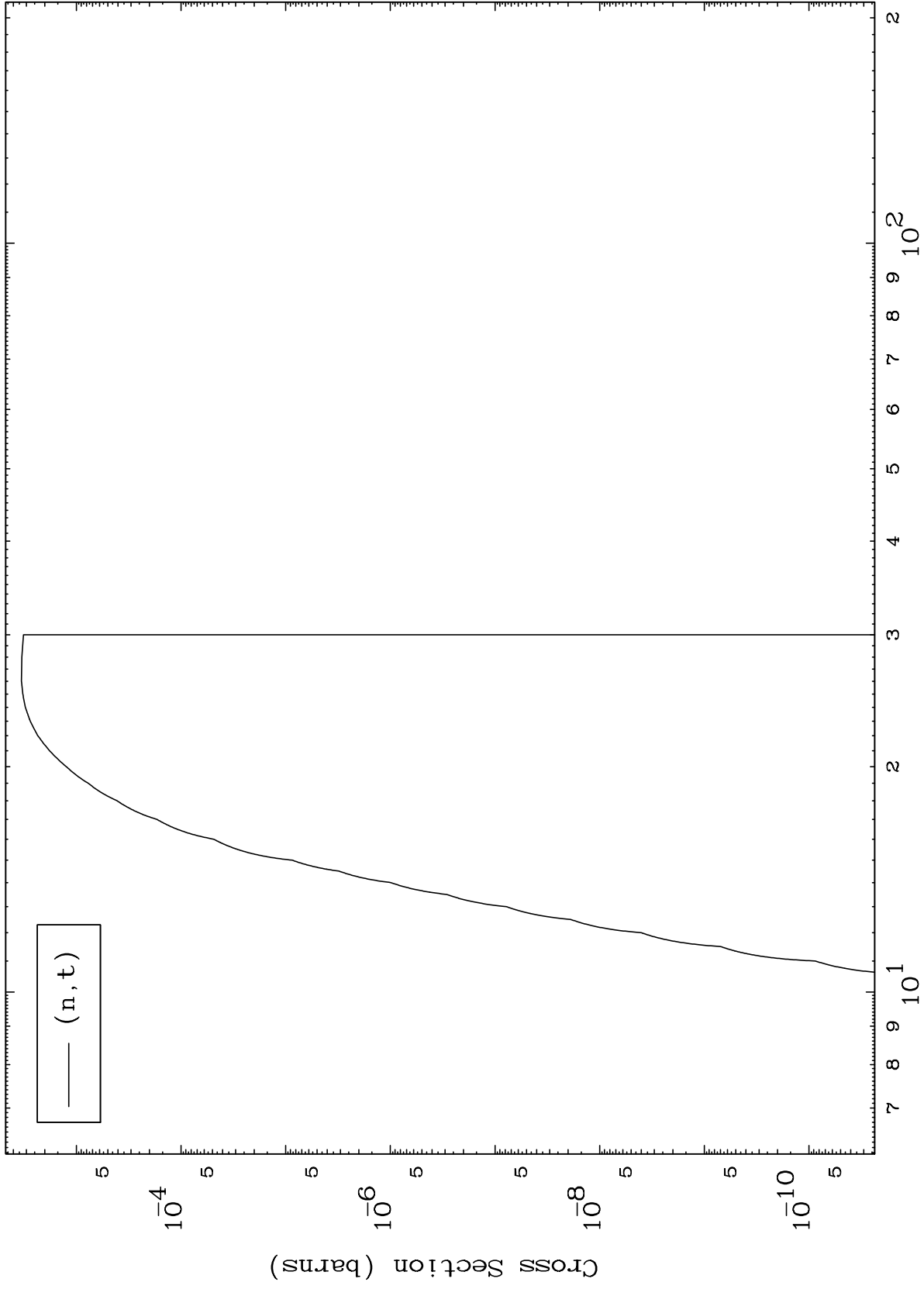
Incident Energy (MeV)

64-Gd-161

MAT 6452

64-Gd-161

(n,t) Levels
293 Kelvin Cross Sections



14

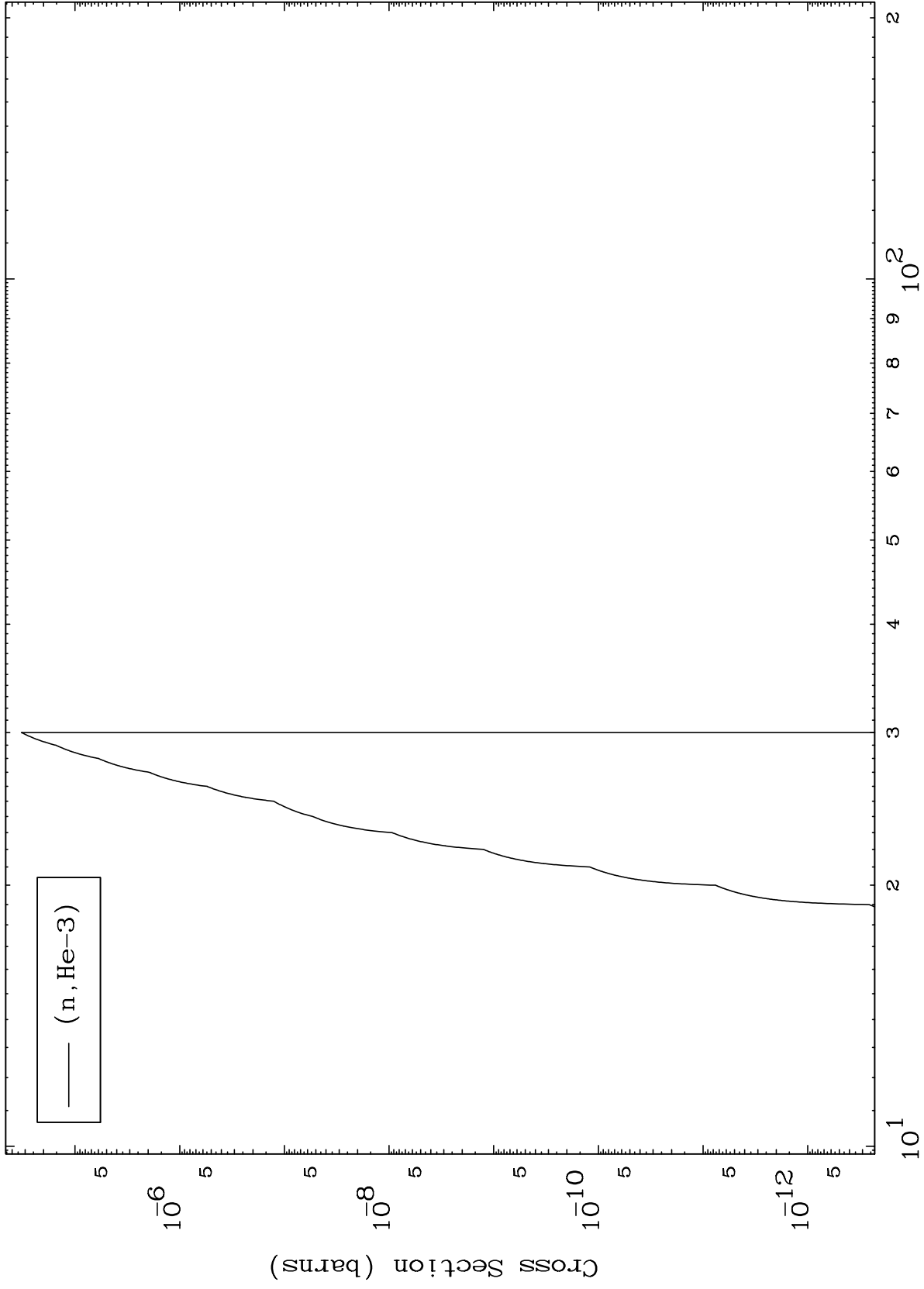
Incident Energy (MeV)

64-Gd-161

MAT 6452

64-Gd-161

(n,He3) Levels
293 Kelvin Cross Sections



64-Gd-161

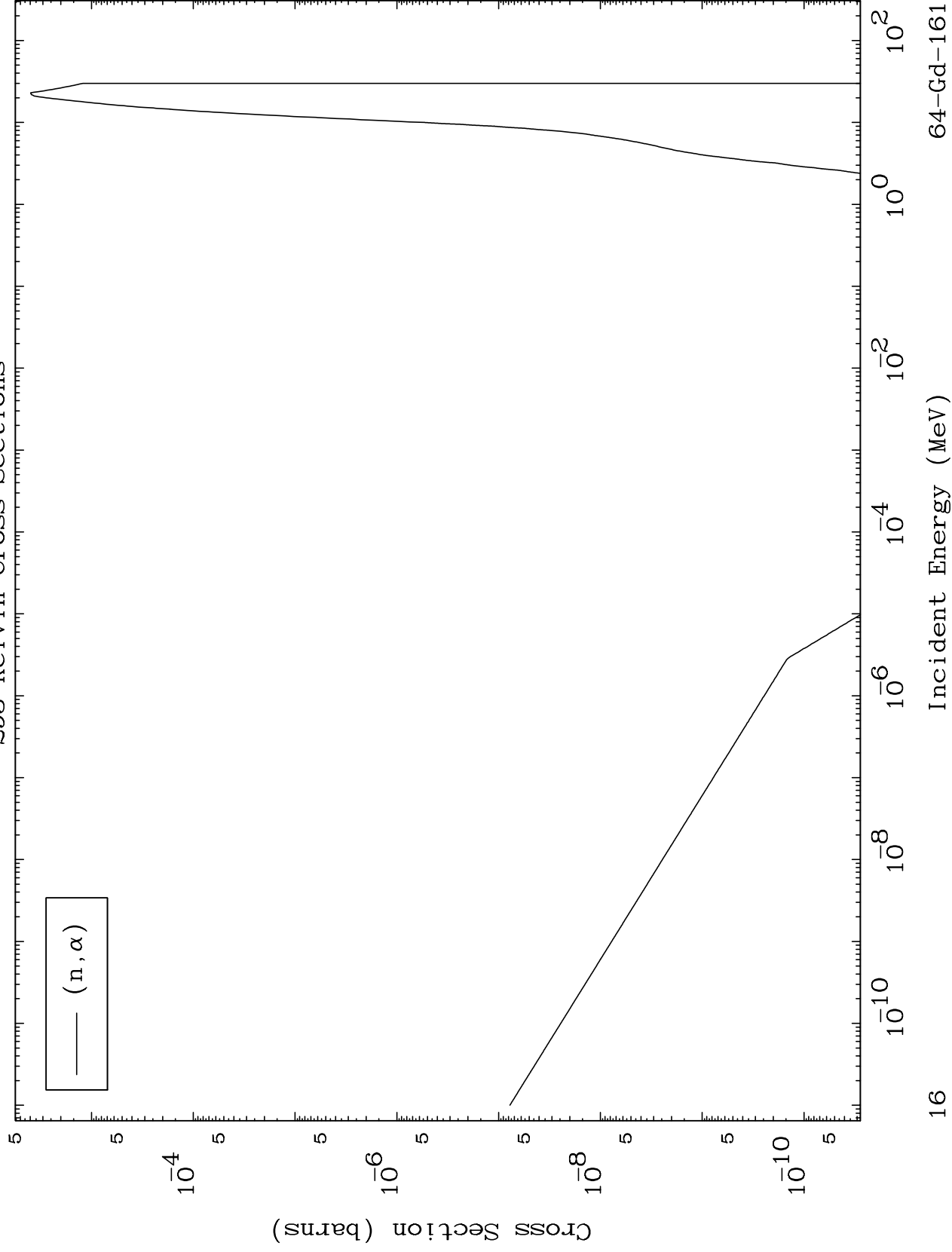
Incident Energy (MeV)

15

MAT 6452

(n, α) Levels
293 Kelvin Cross Sections

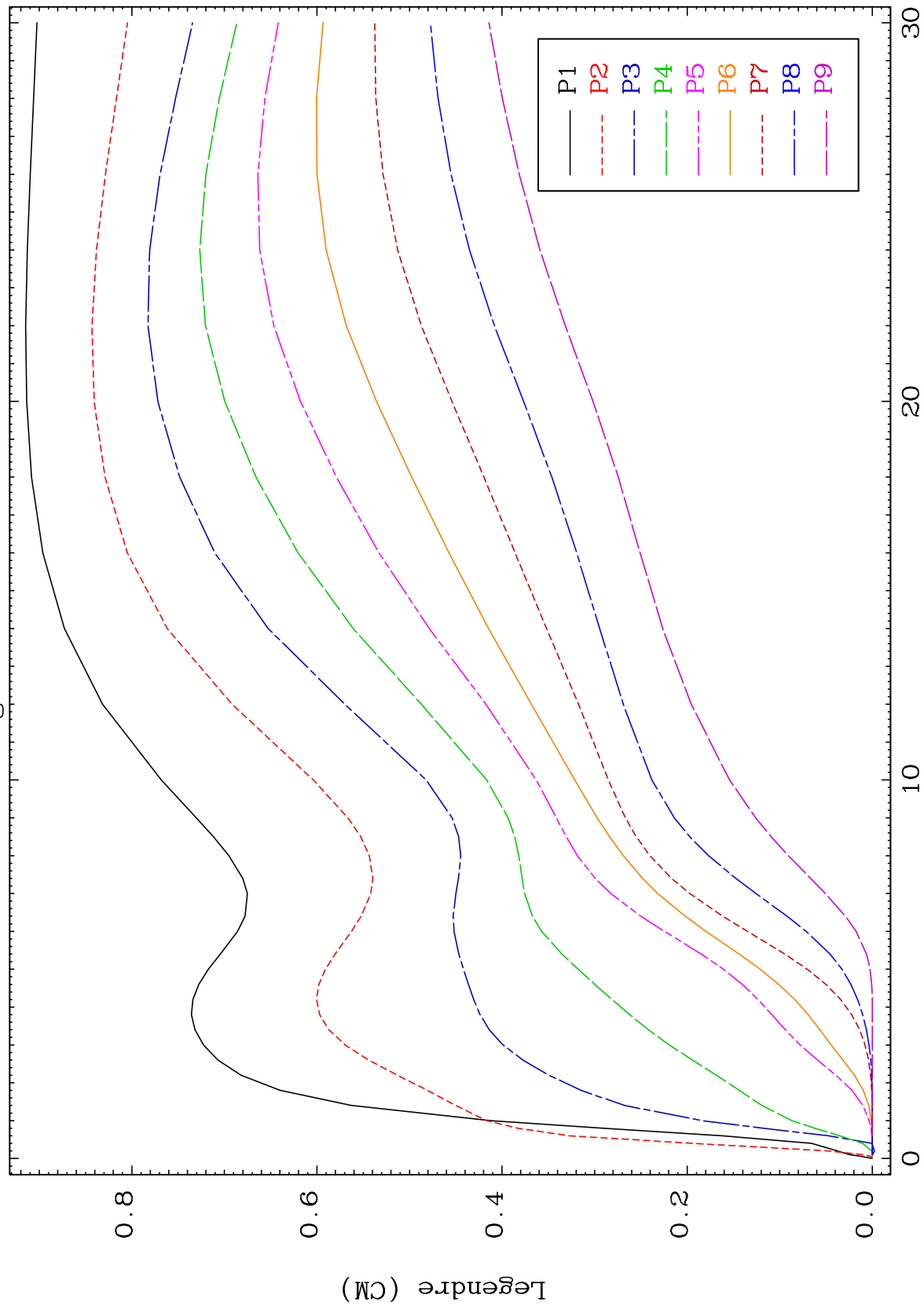
64-Gd-161



MAT 6452

Elastic Legendre Coefficients

64-Gd-161



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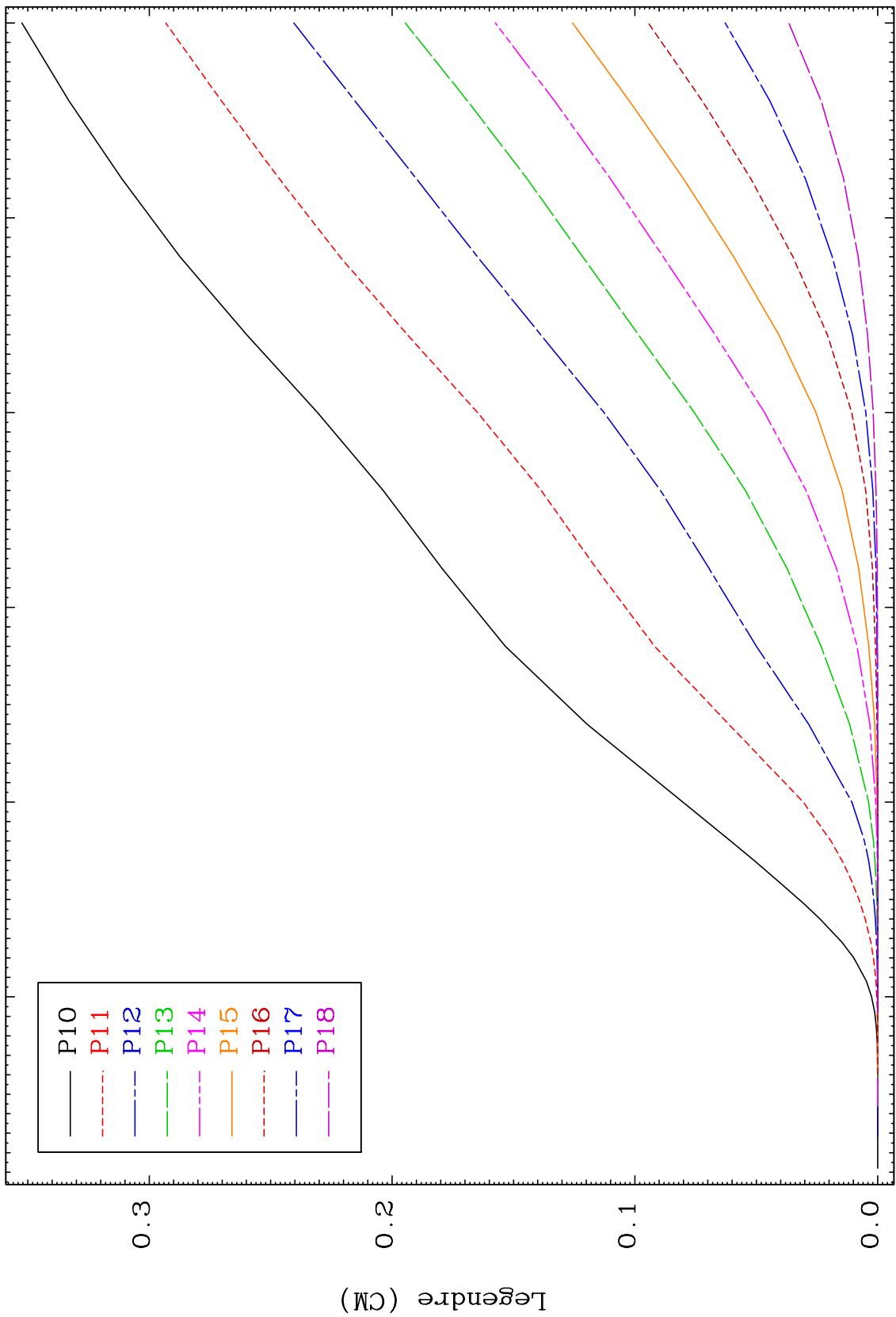
Incident Energy (MeV)

64-Gd-161

MAT 6452

Elastic Legendre Coefficients

64-Gd-161



18

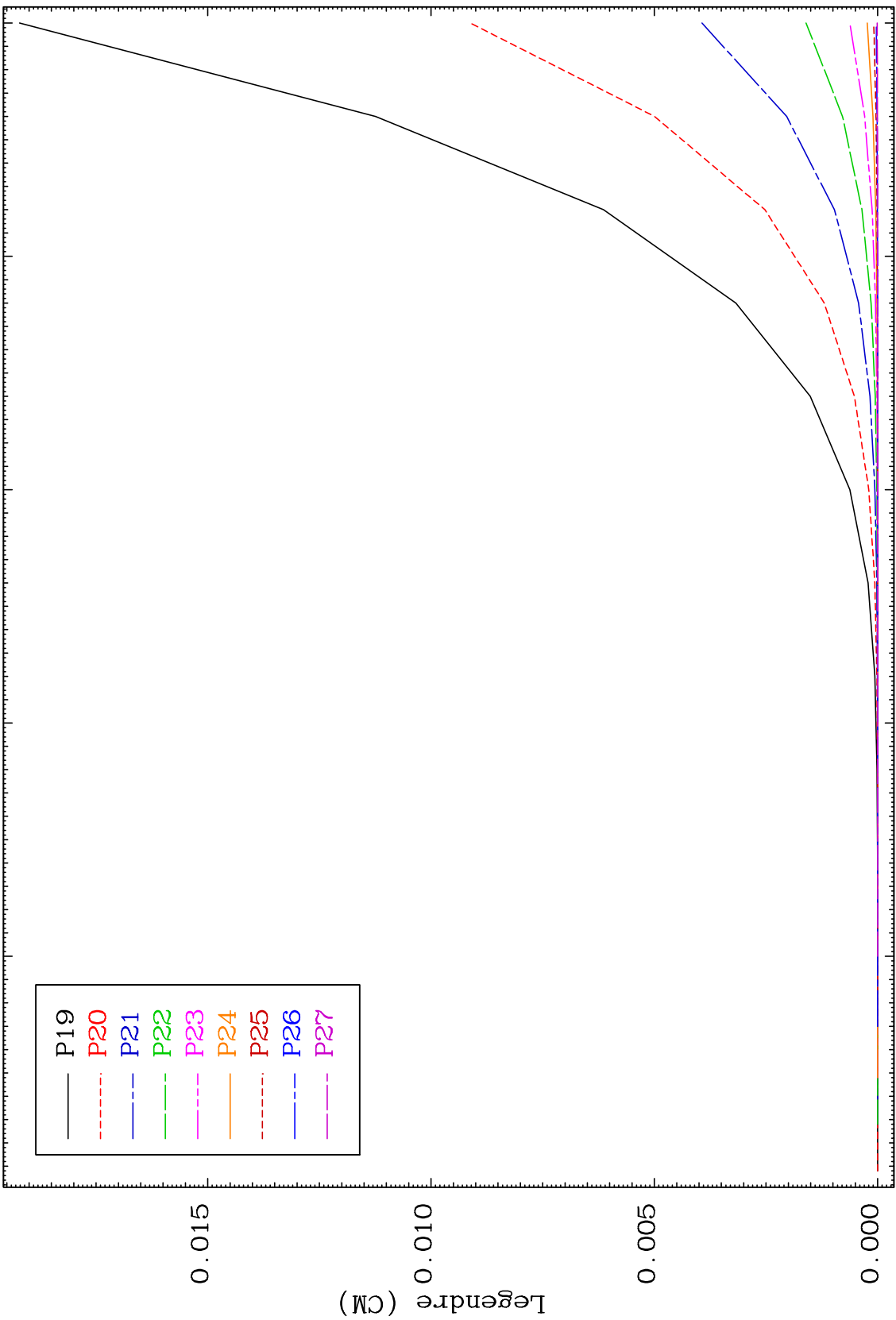
64-Gd-161

Incident Energy (MeV)

MAT 6452

Elastic Legendre Coefficients

64-Gd-161



- P19 (solid black line)
- P20 (dashed red line)
- P21 (dash-dot blue line)
- P22 (dashed green line)
- P23 (dashed magenta line)
- P24 (solid orange line)
- P25 (dashed brown line)
- P26 (dash-dot blue line)
- P27 (dashed purple line)

19

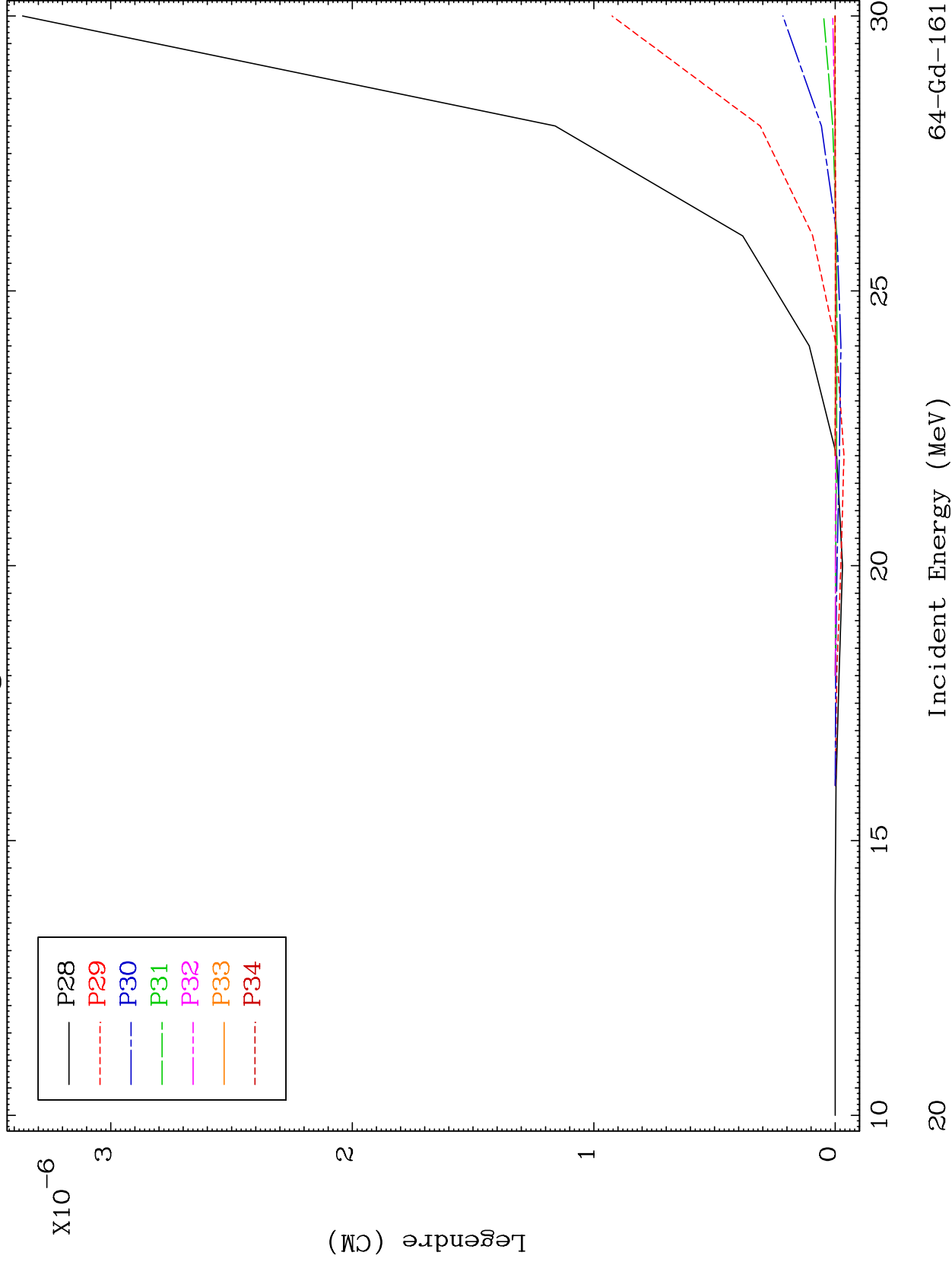
Incident Energy (MeV)

64-Gd-161

MAT 6452

Elastic Legendre Coefficients

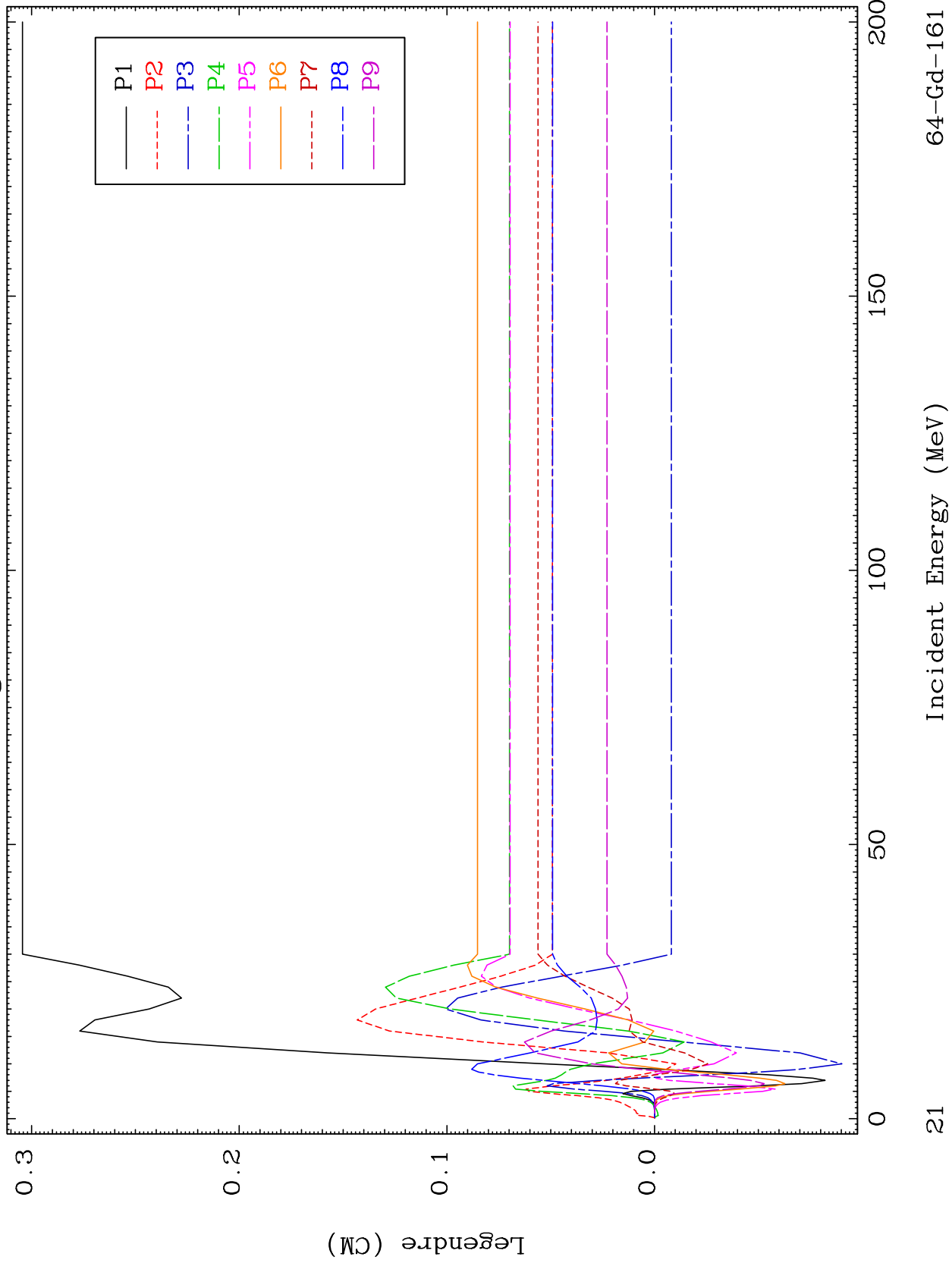
64-Gd-161



MAT 6452

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

64-Gd-161



64-Gd-161

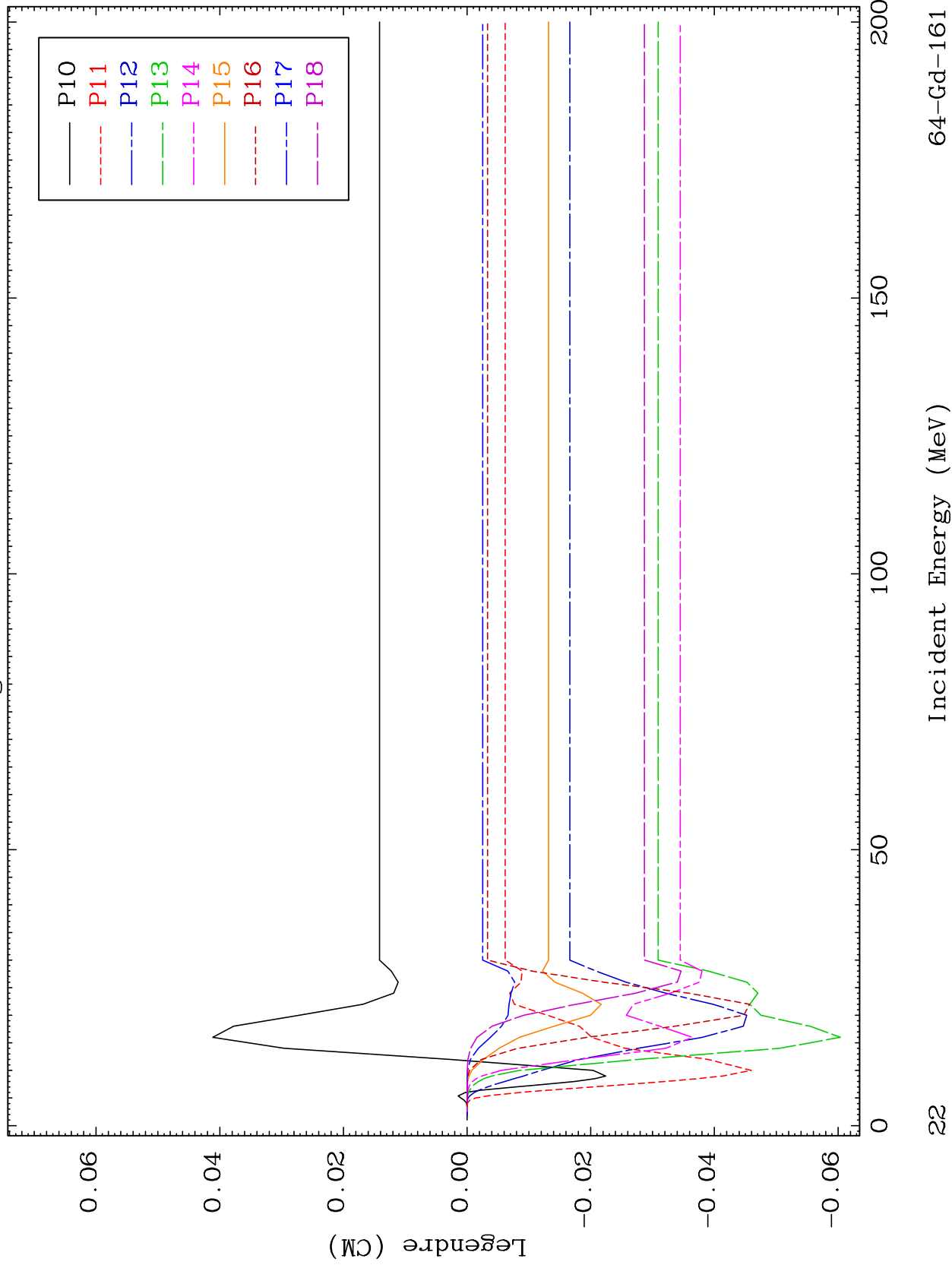
Incident Energy (MeV)

21

MAT 6452

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

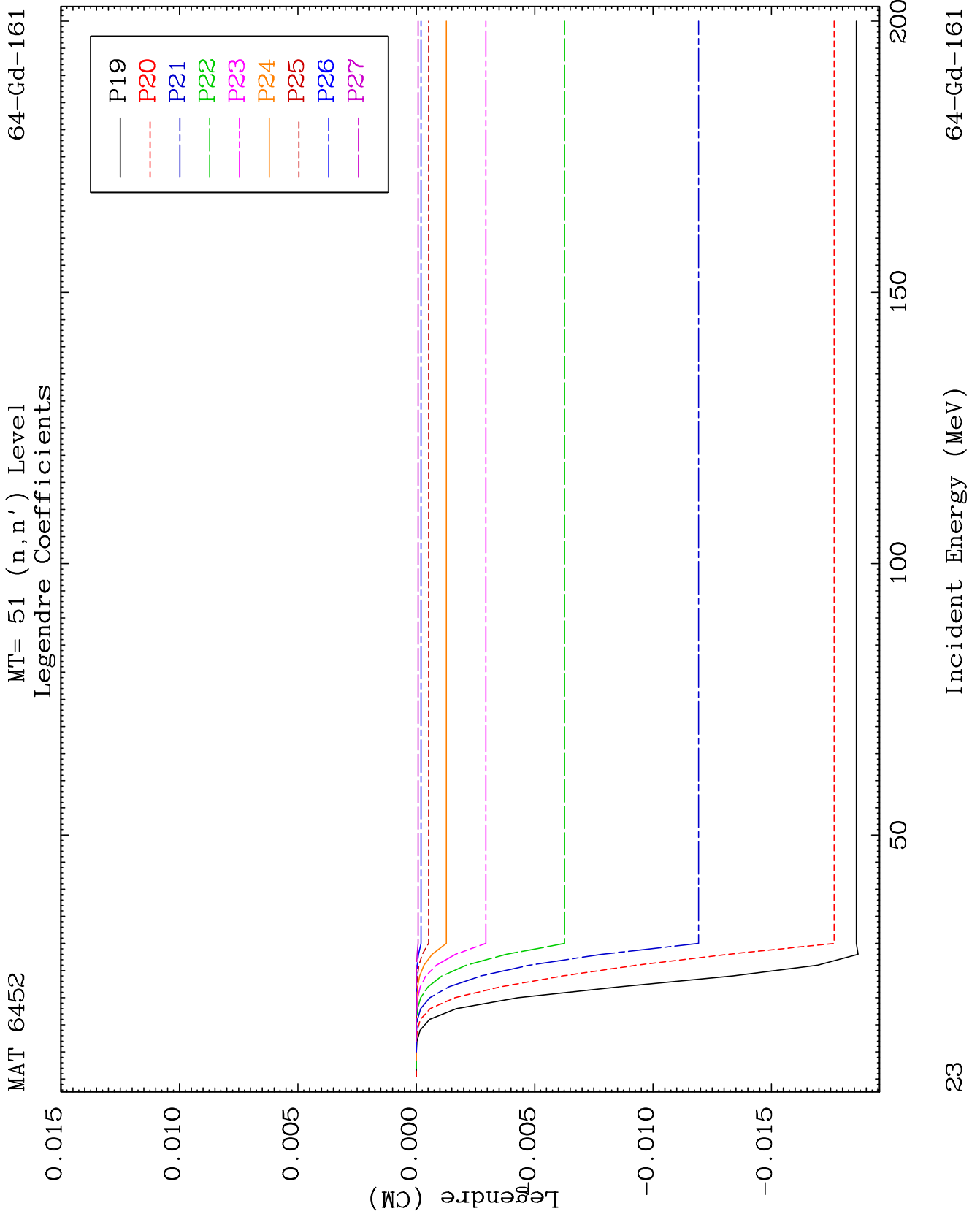
64-Gd-161



22

Incident Energy (MeV)

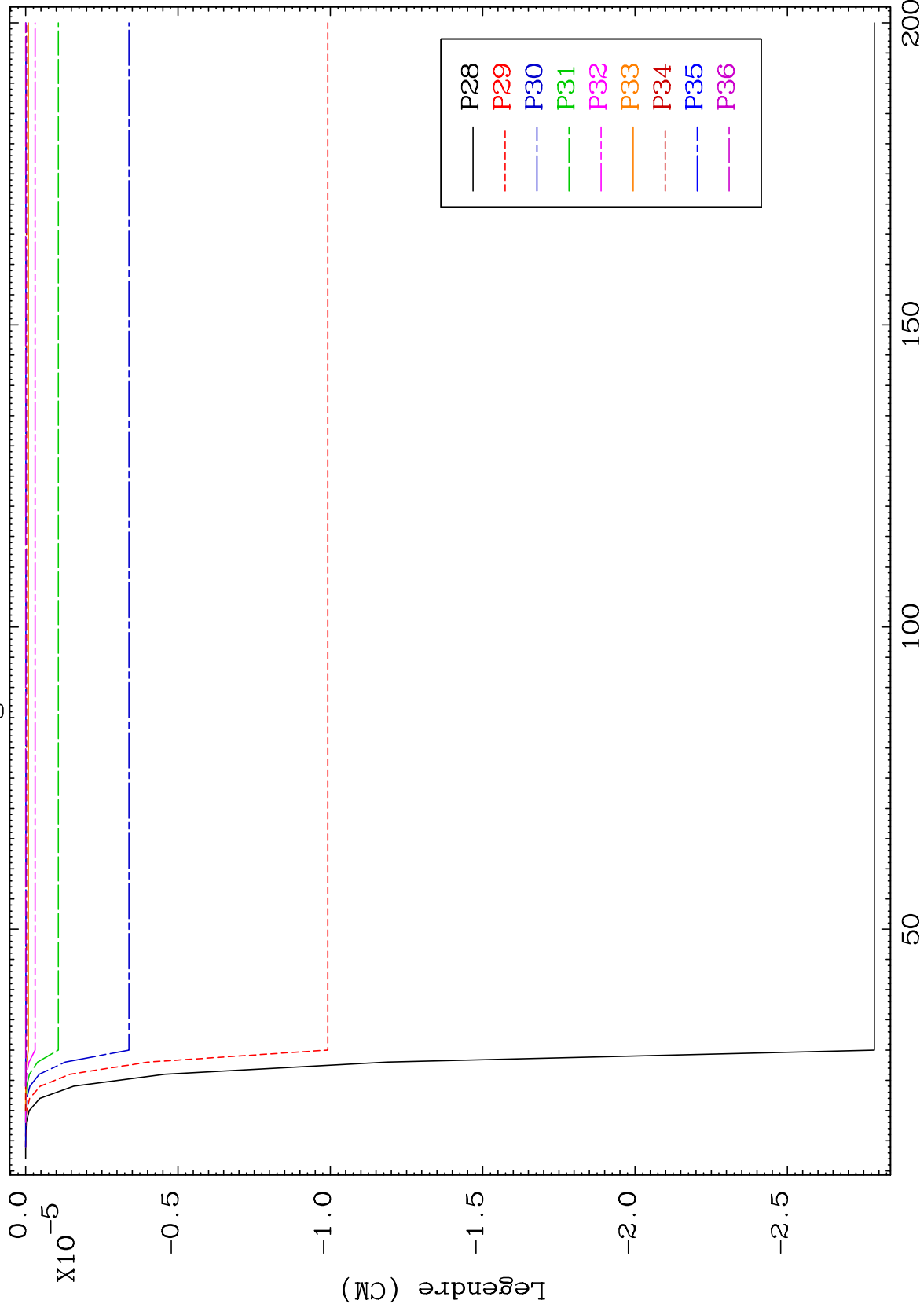
64-Gd-161



MAT 6452

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

64-Gd-161



24

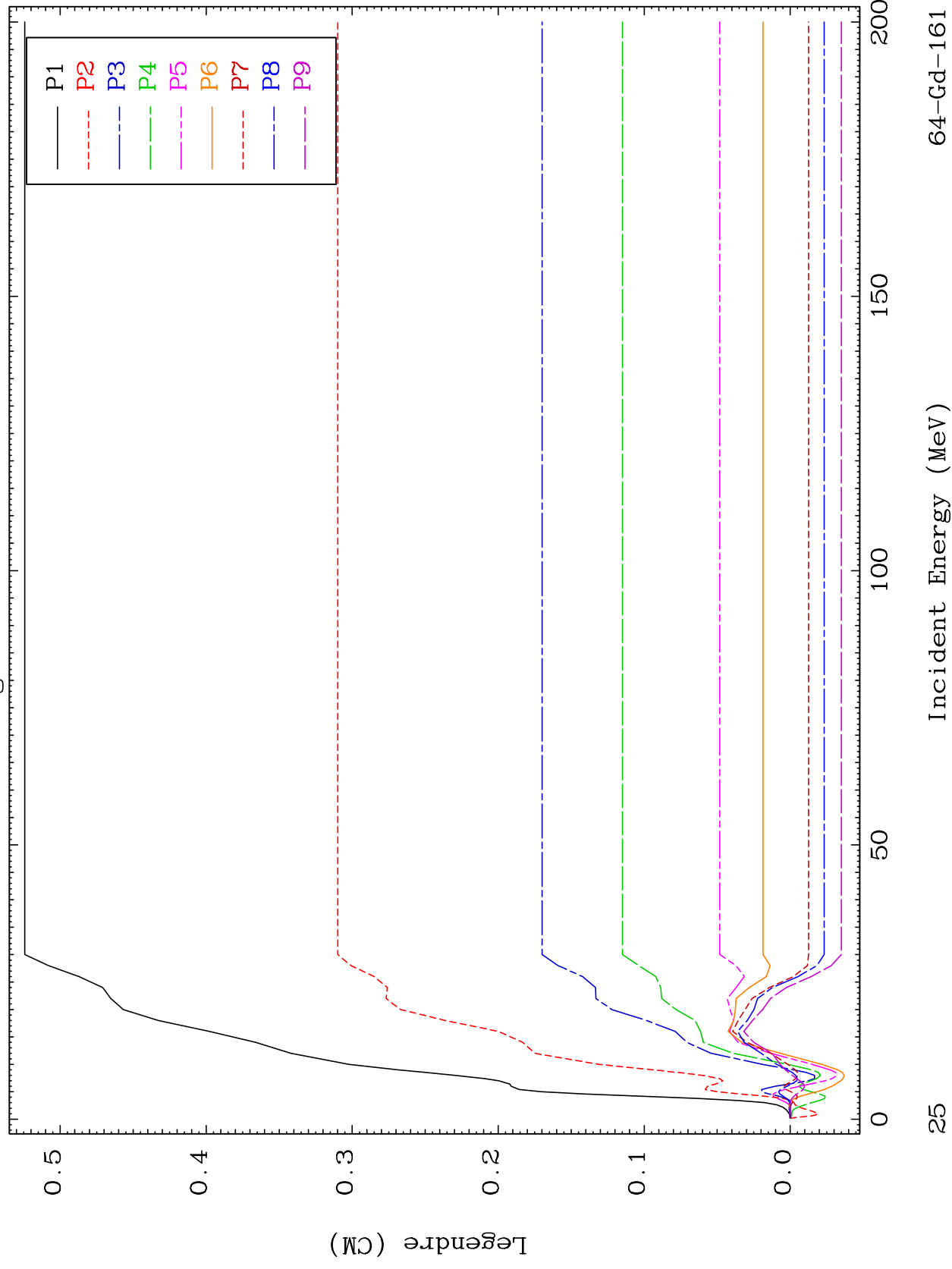
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

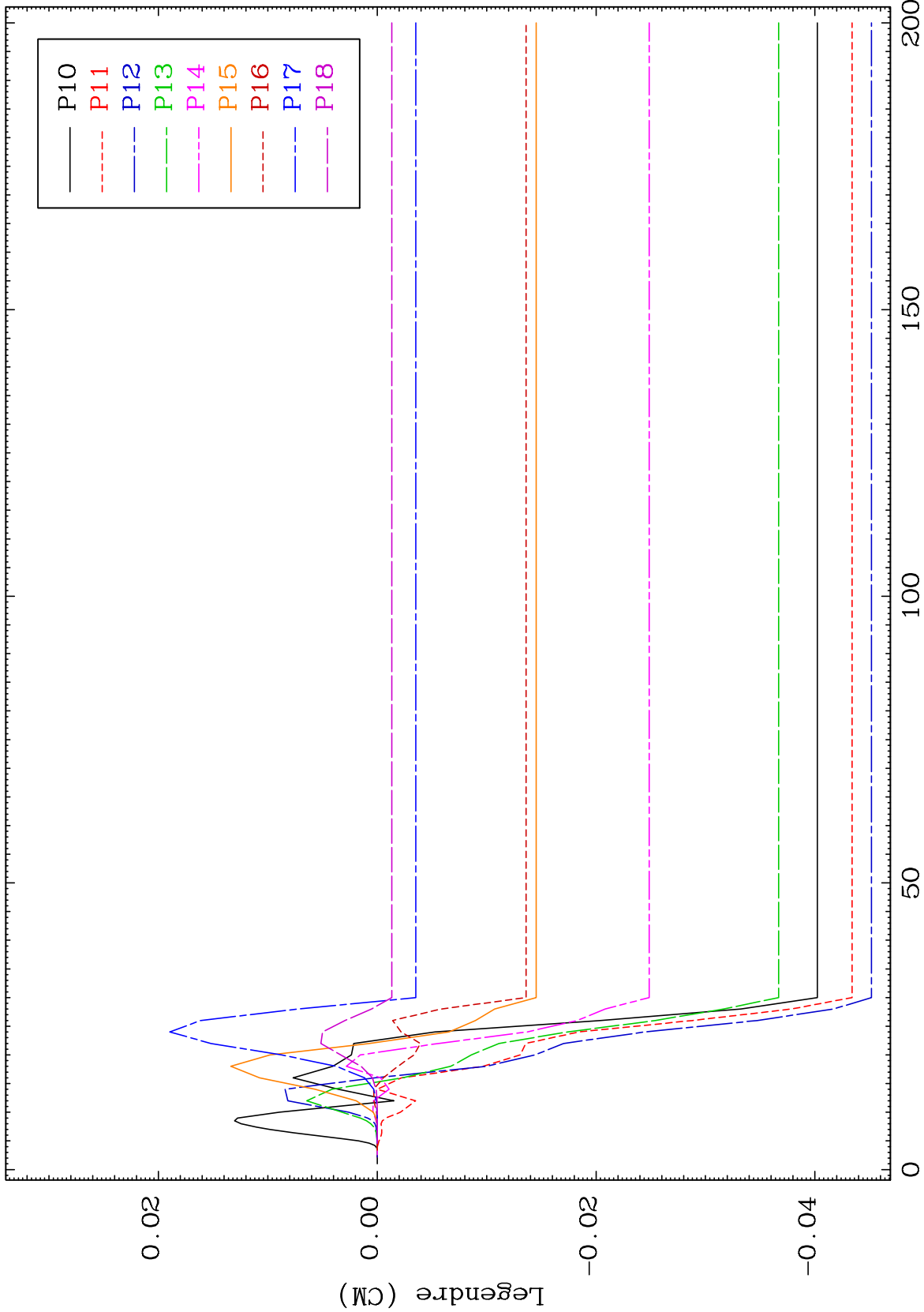
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MAT 6452

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

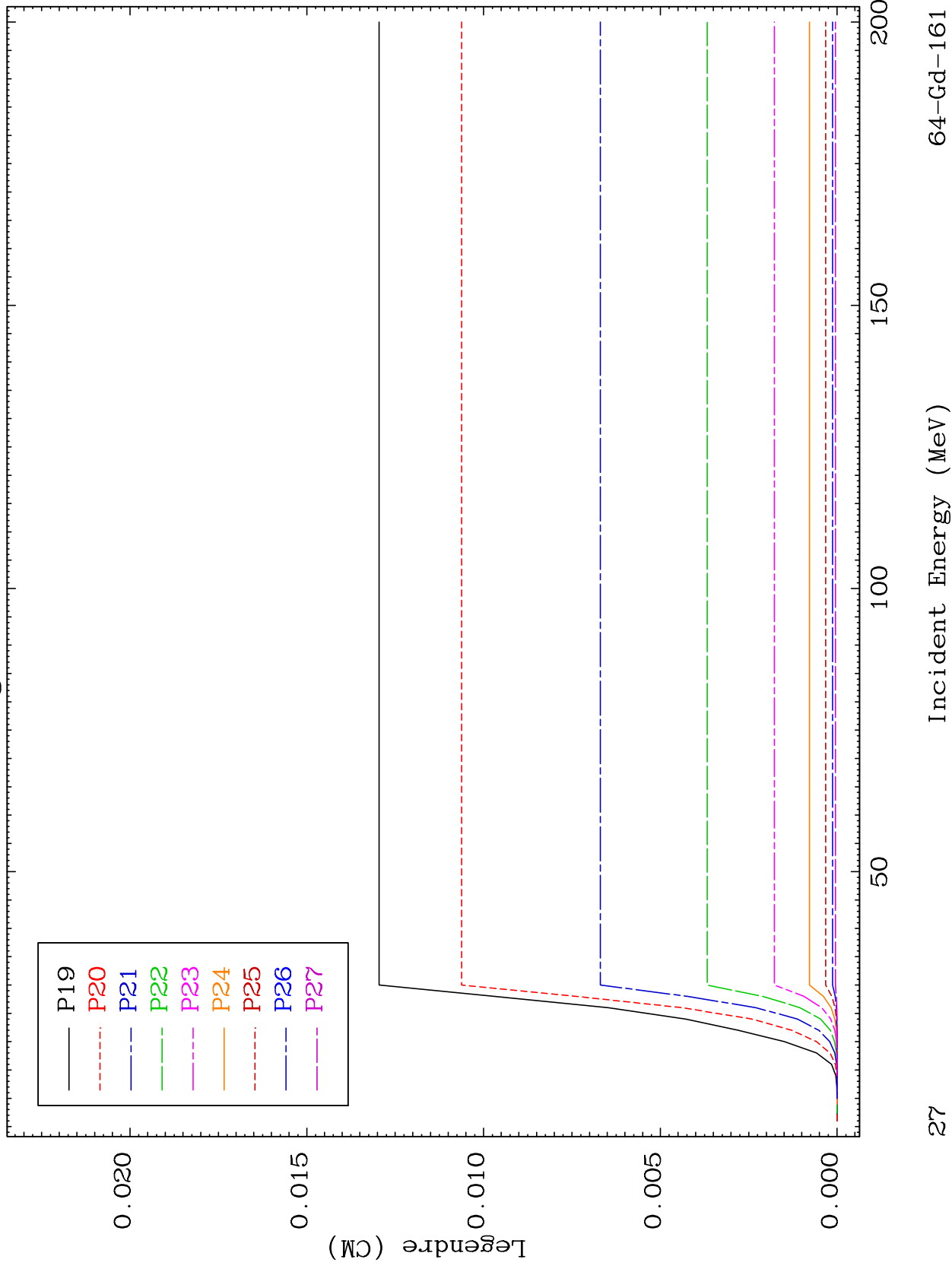
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Incident Energy (MeV)

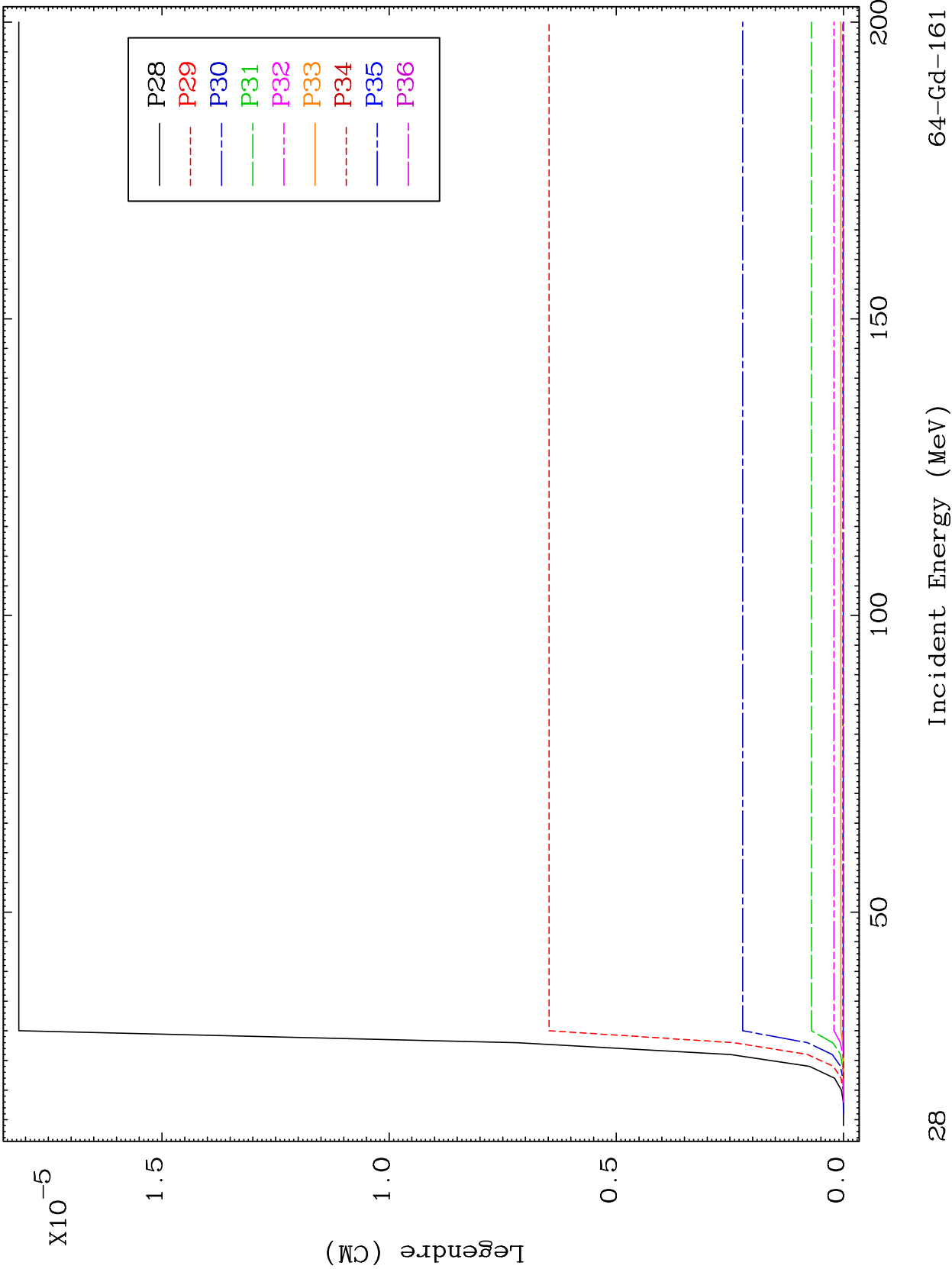
64-Gd-161



MAT 6452

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

64-Gd-161



28

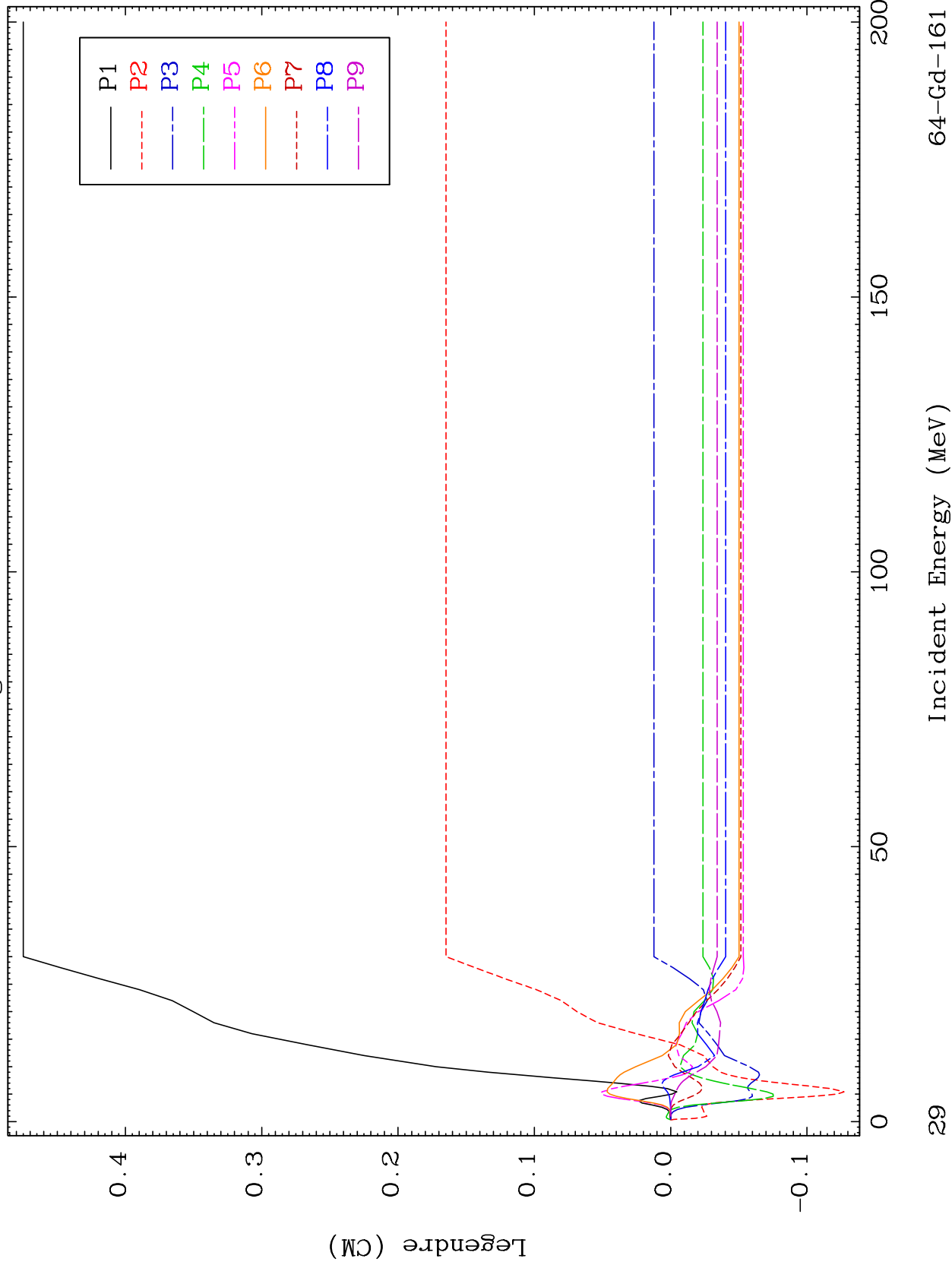
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161

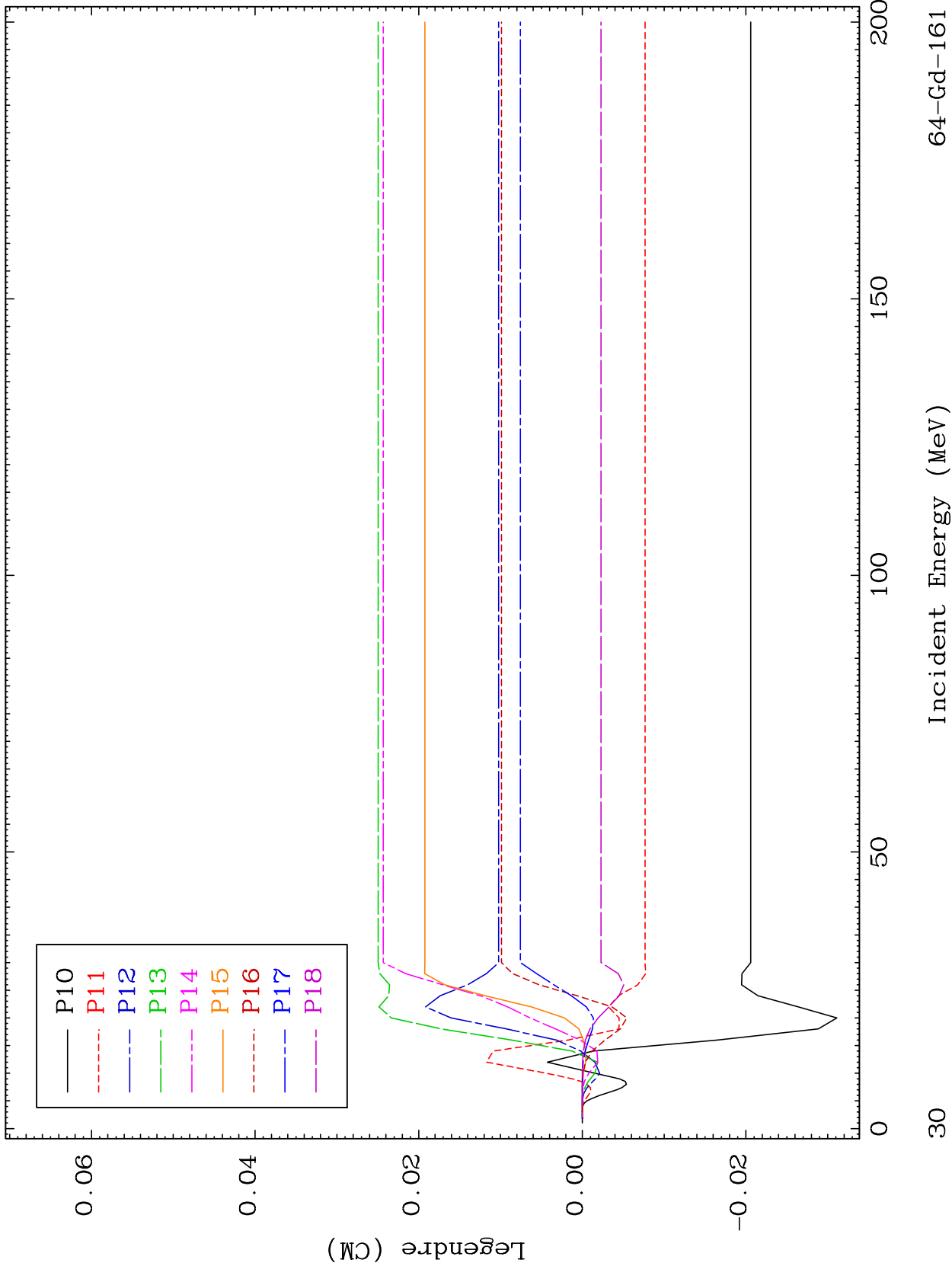


64-Gd-161

MAT 6452

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

64-Gd-161



64-Gd-161

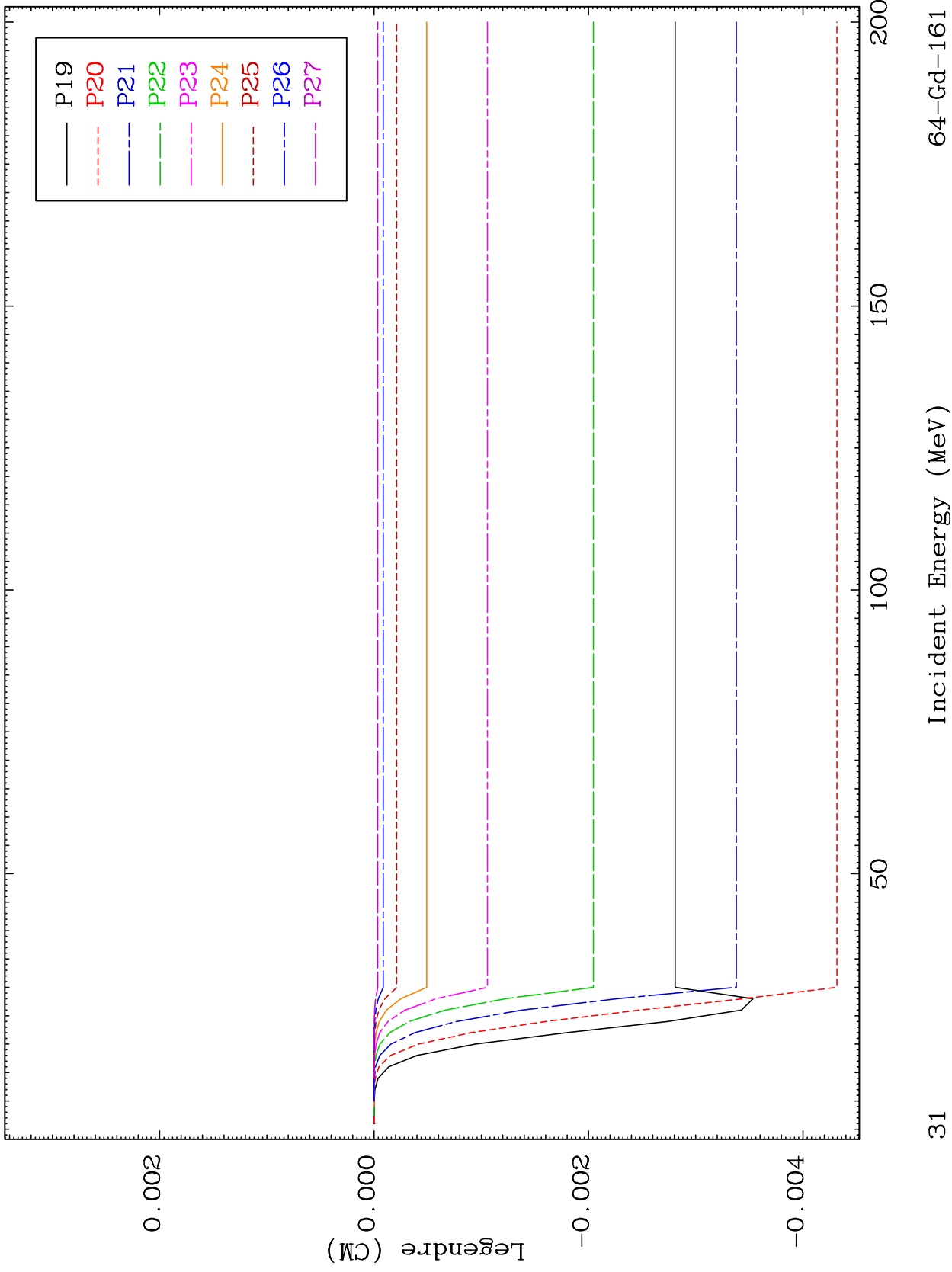
Incident Energy (MeV)

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MAT 6452

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

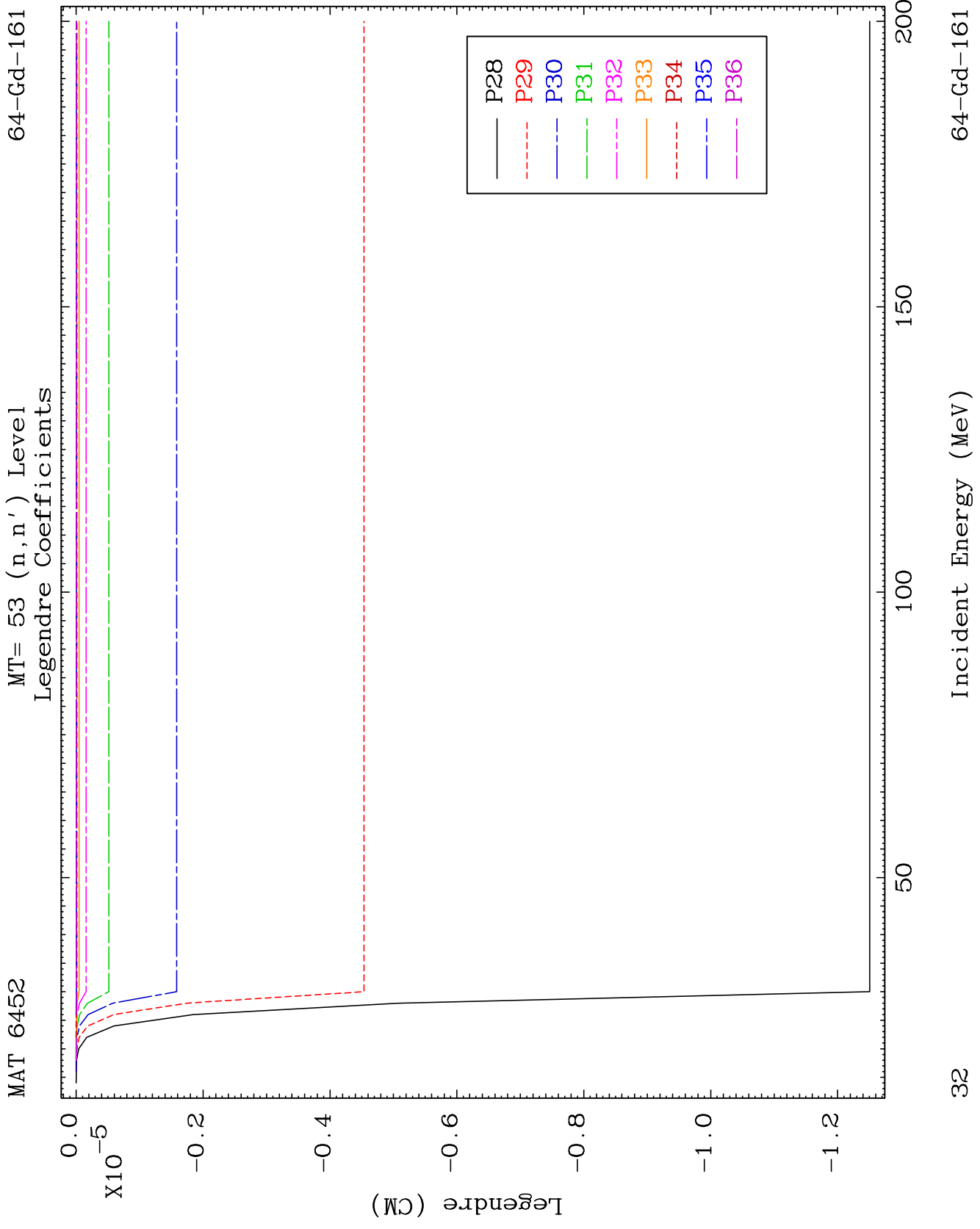
64-Gd-161



31

Incident Energy (MeV)

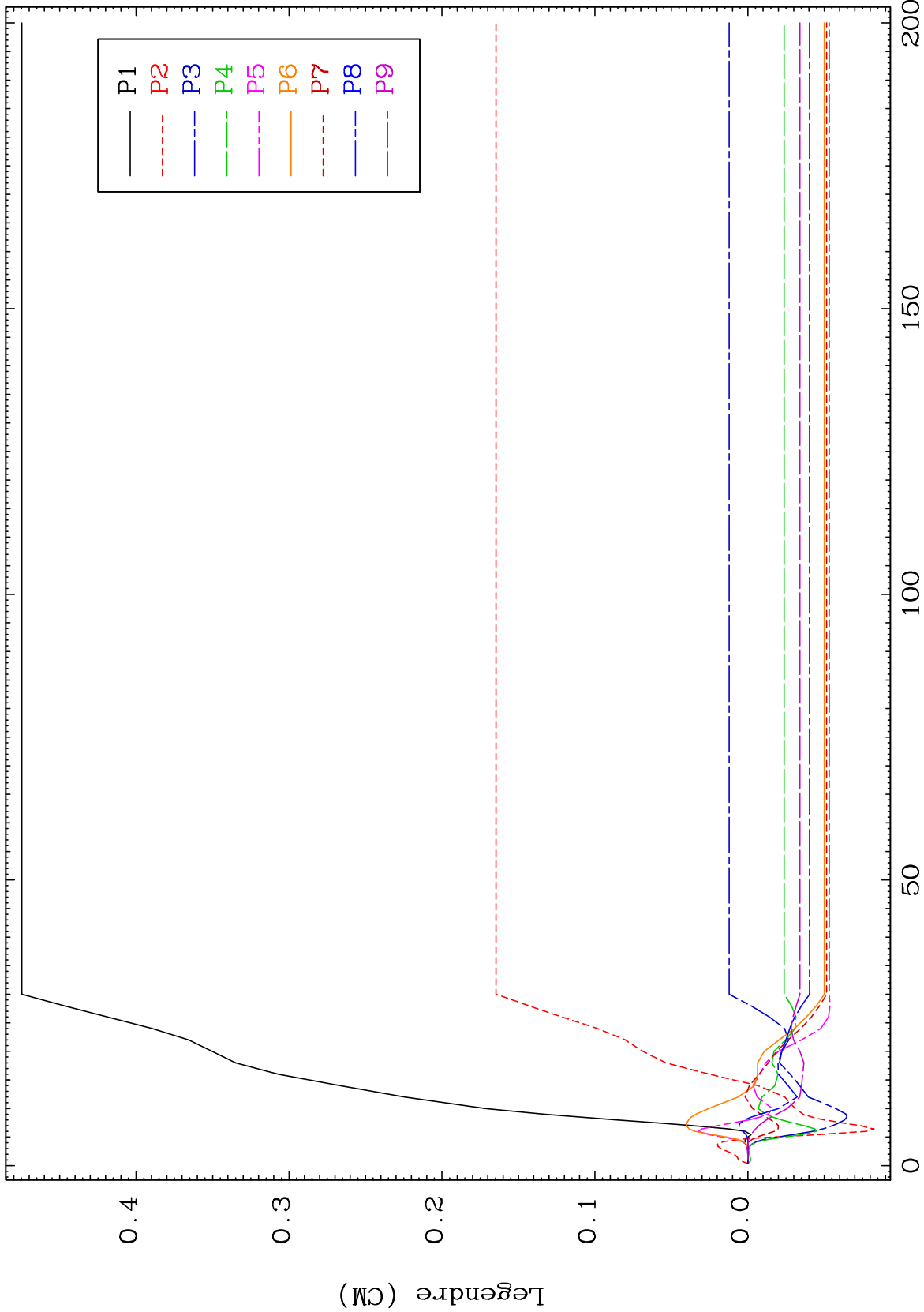
64-Gd-161



MAT 6452

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

64-Gd-161



33

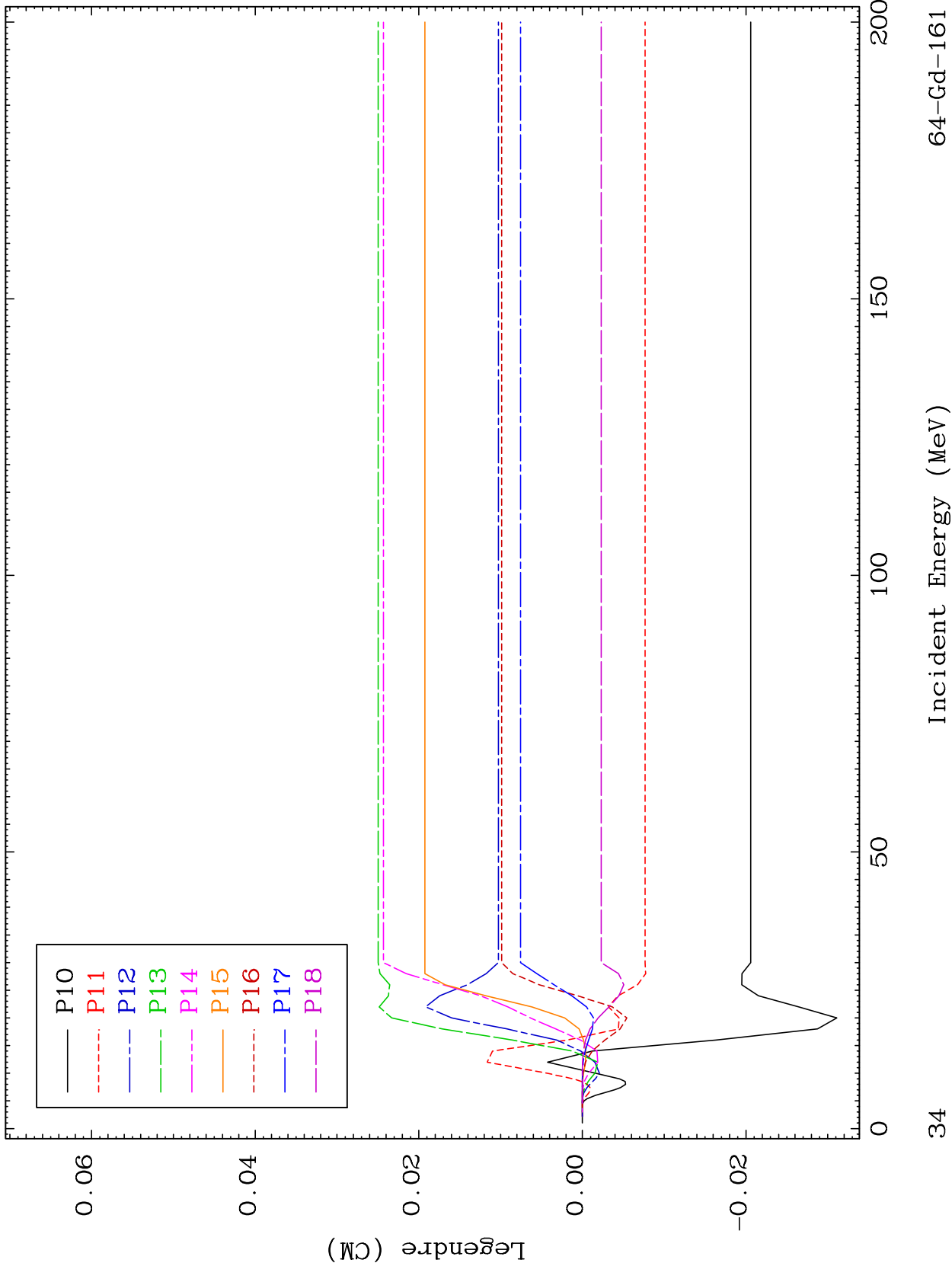
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



34

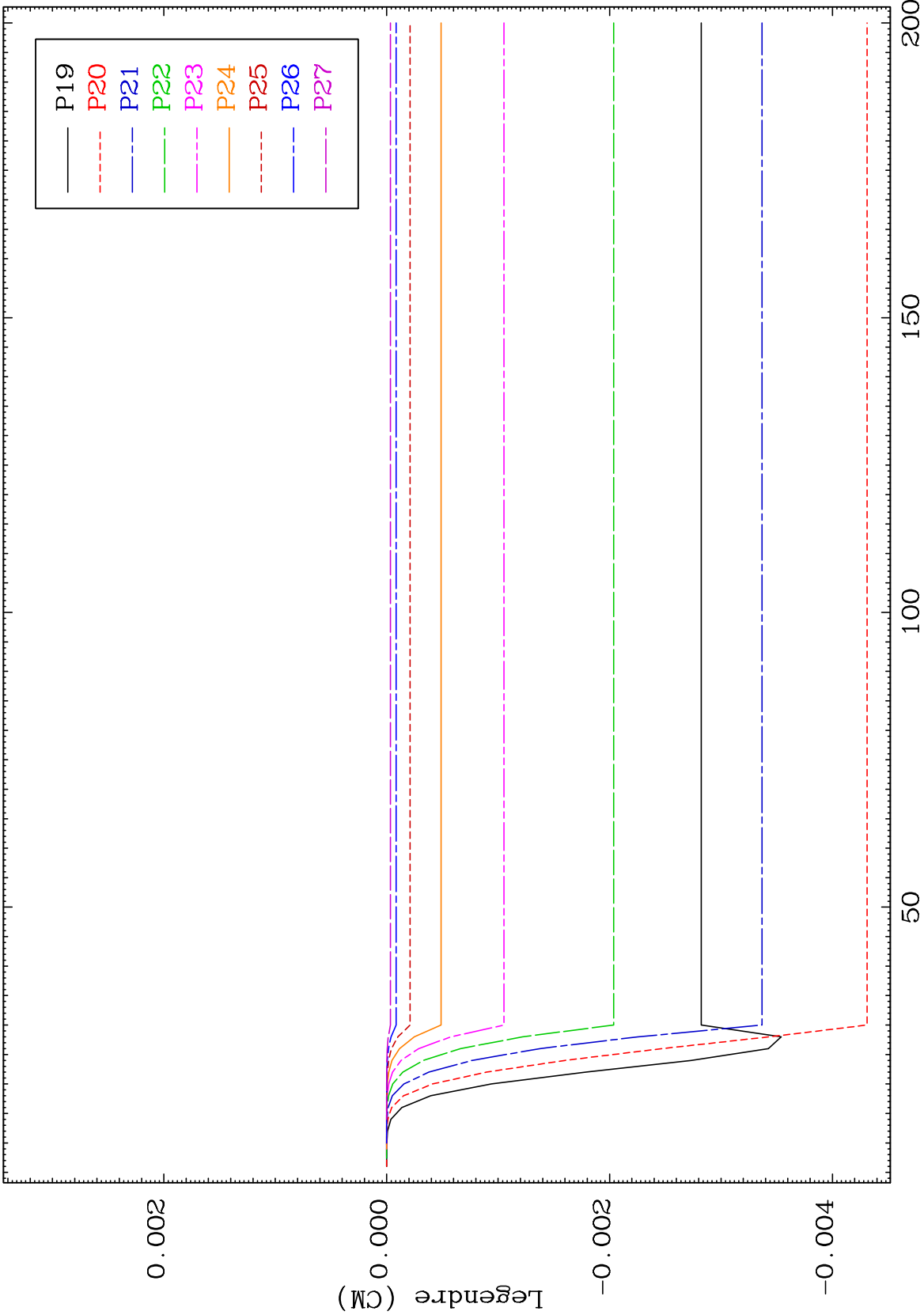
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



35

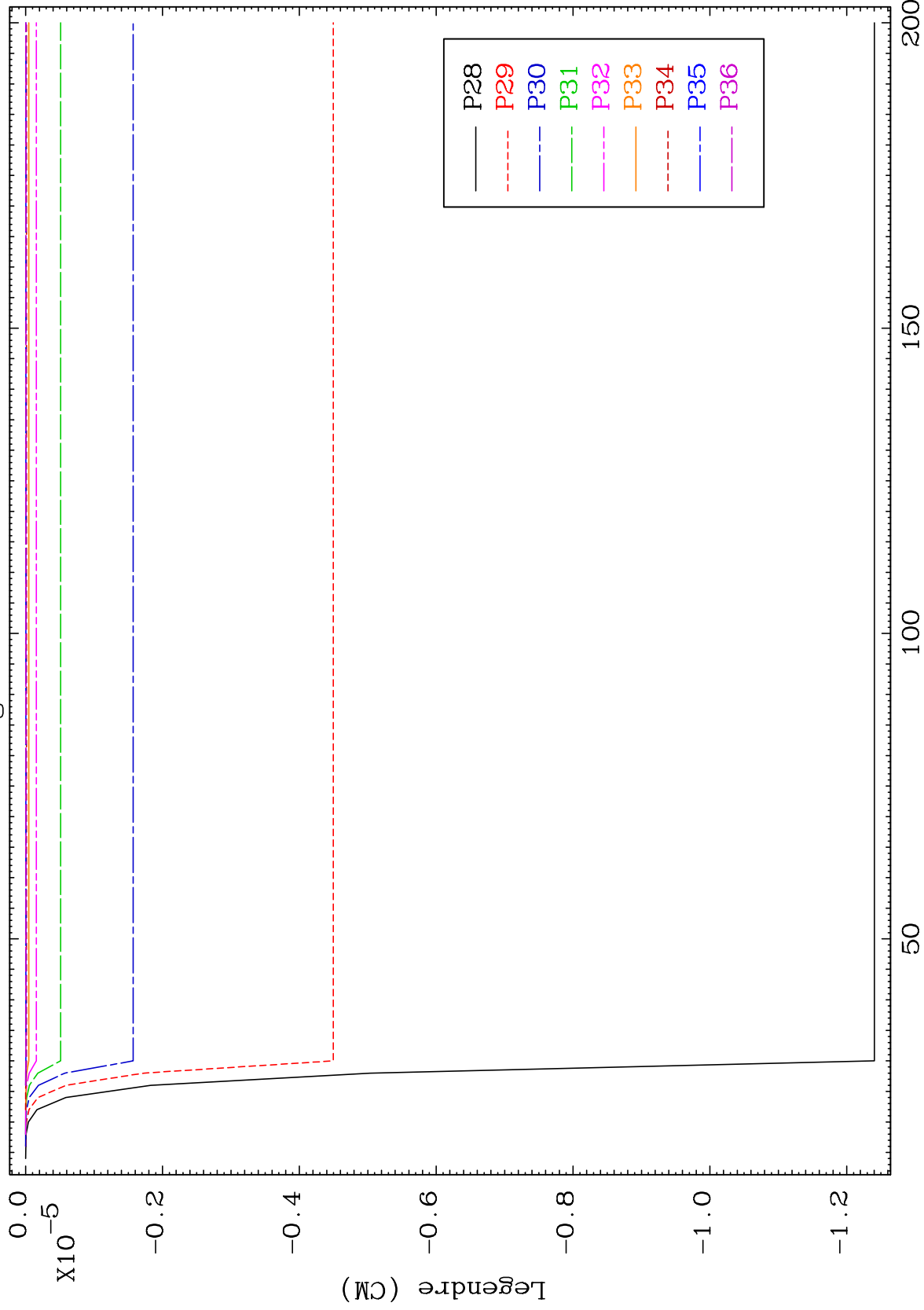
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



36

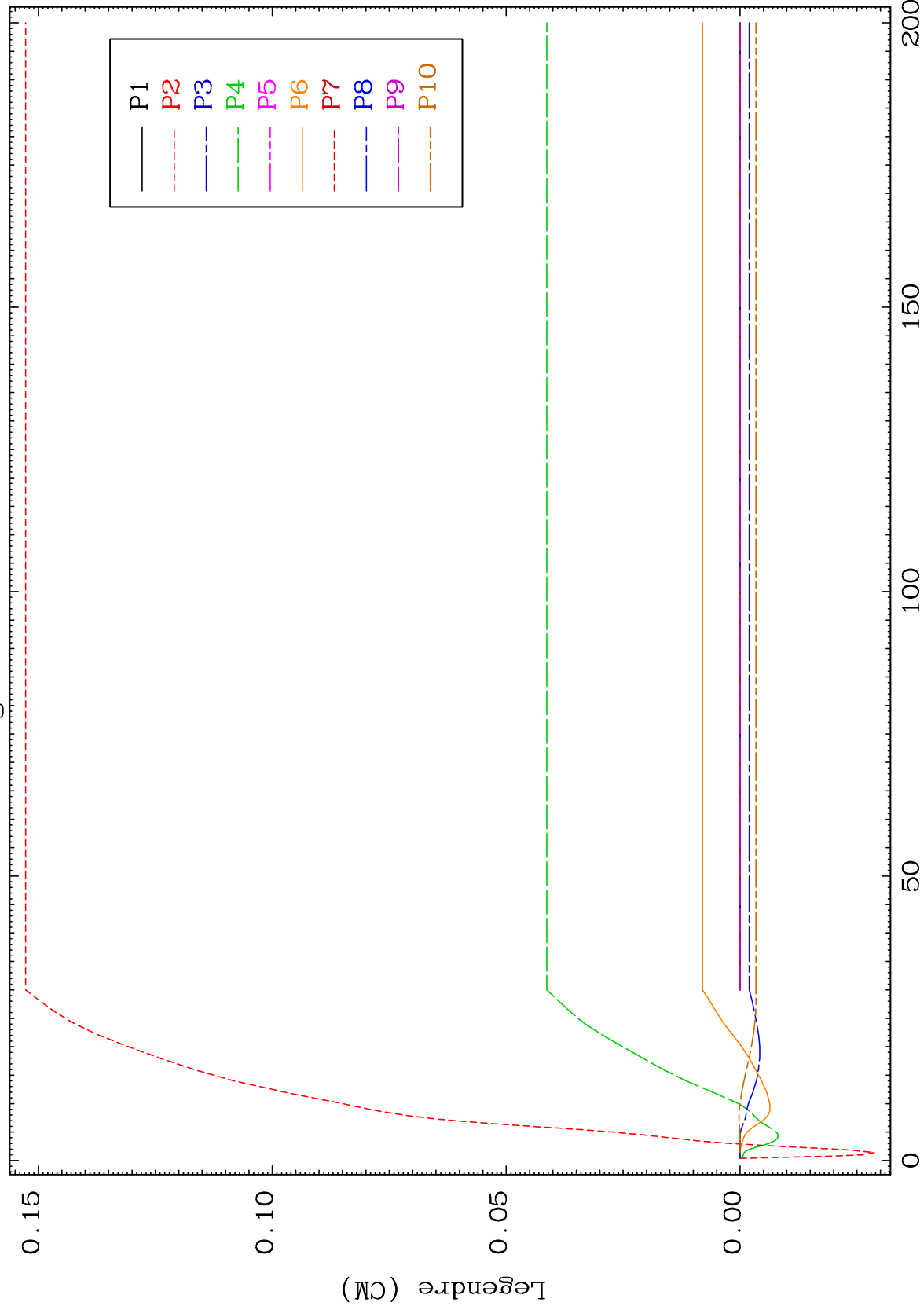
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



37

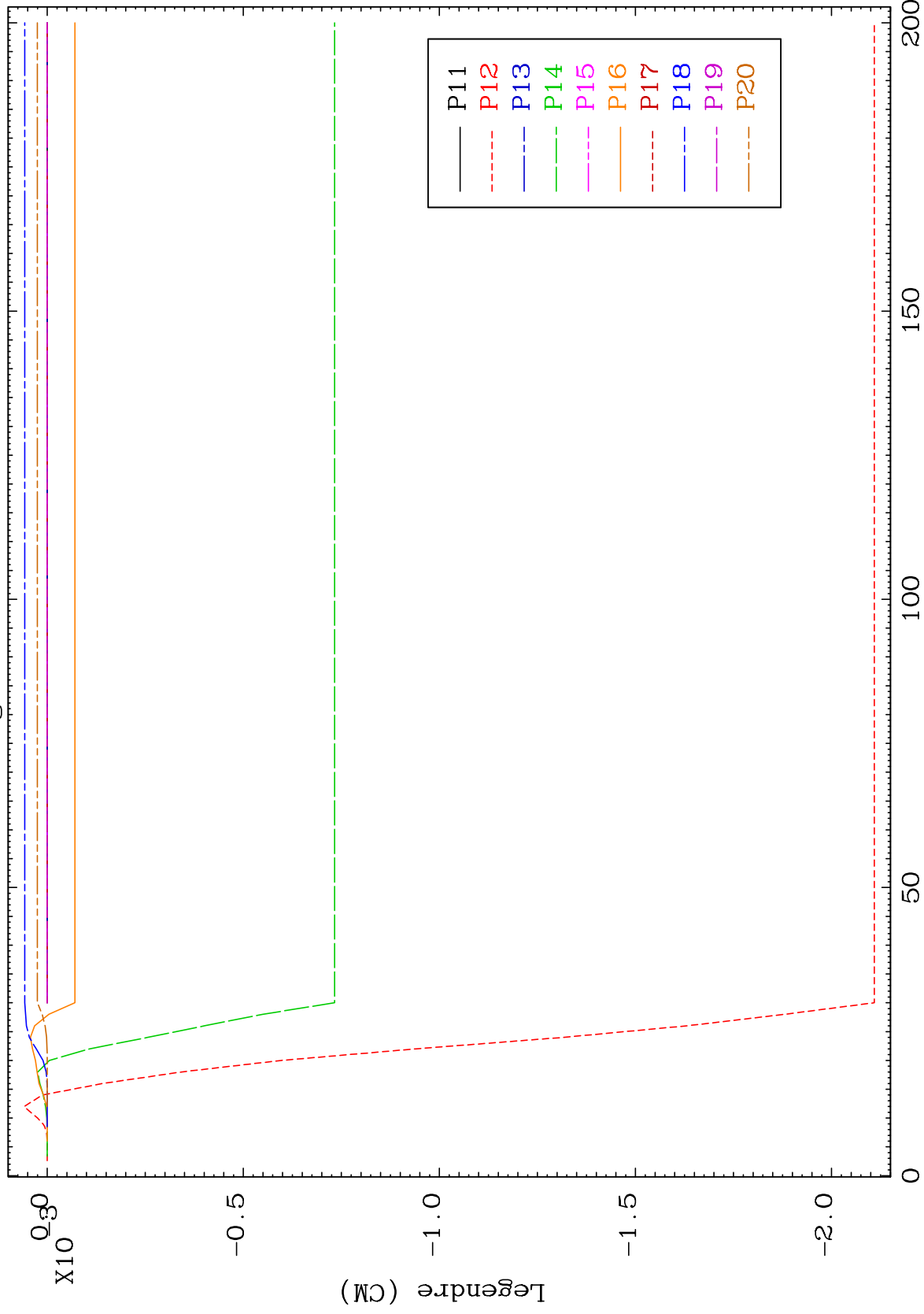
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



38

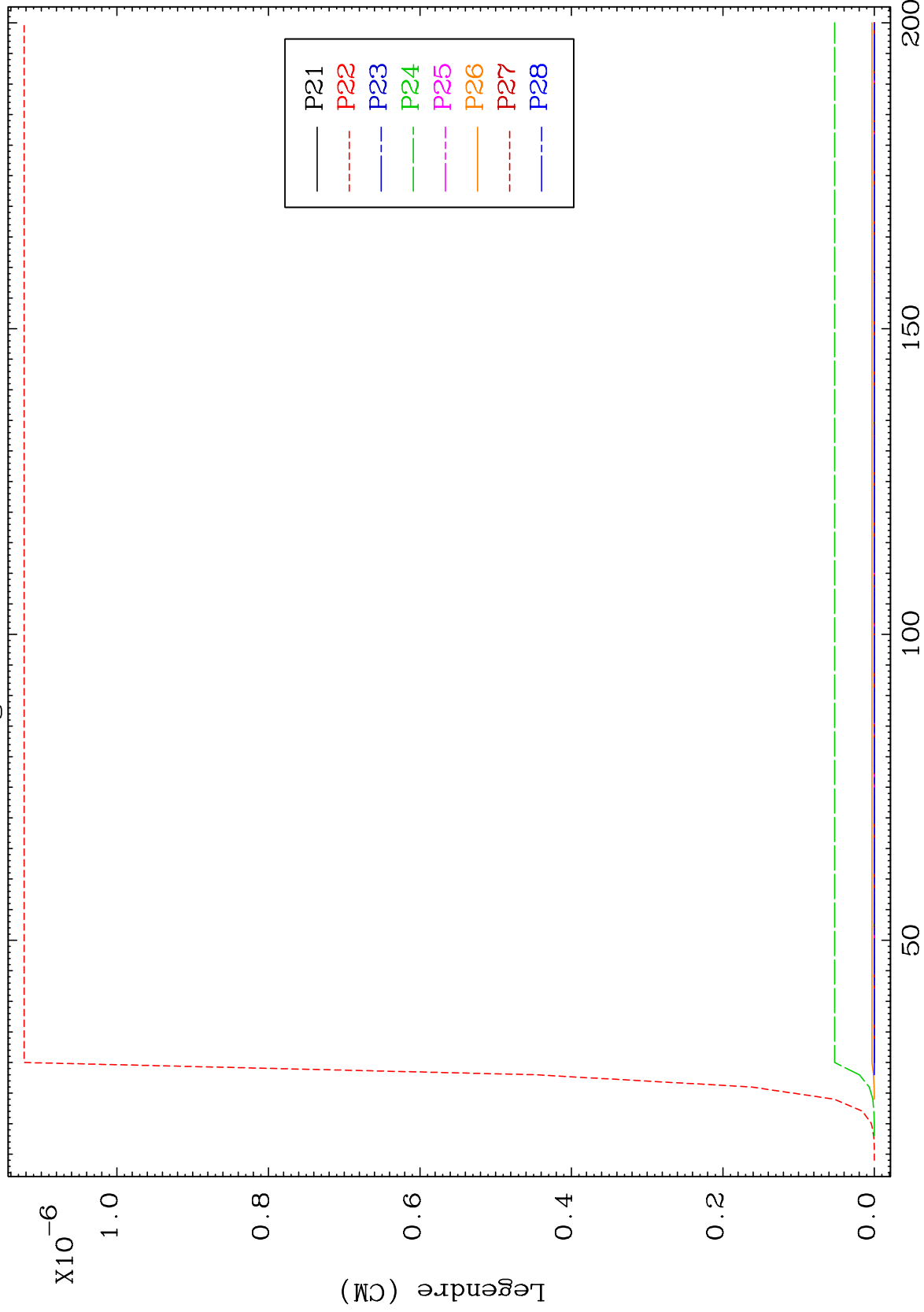
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



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Incident Energy (MeV)

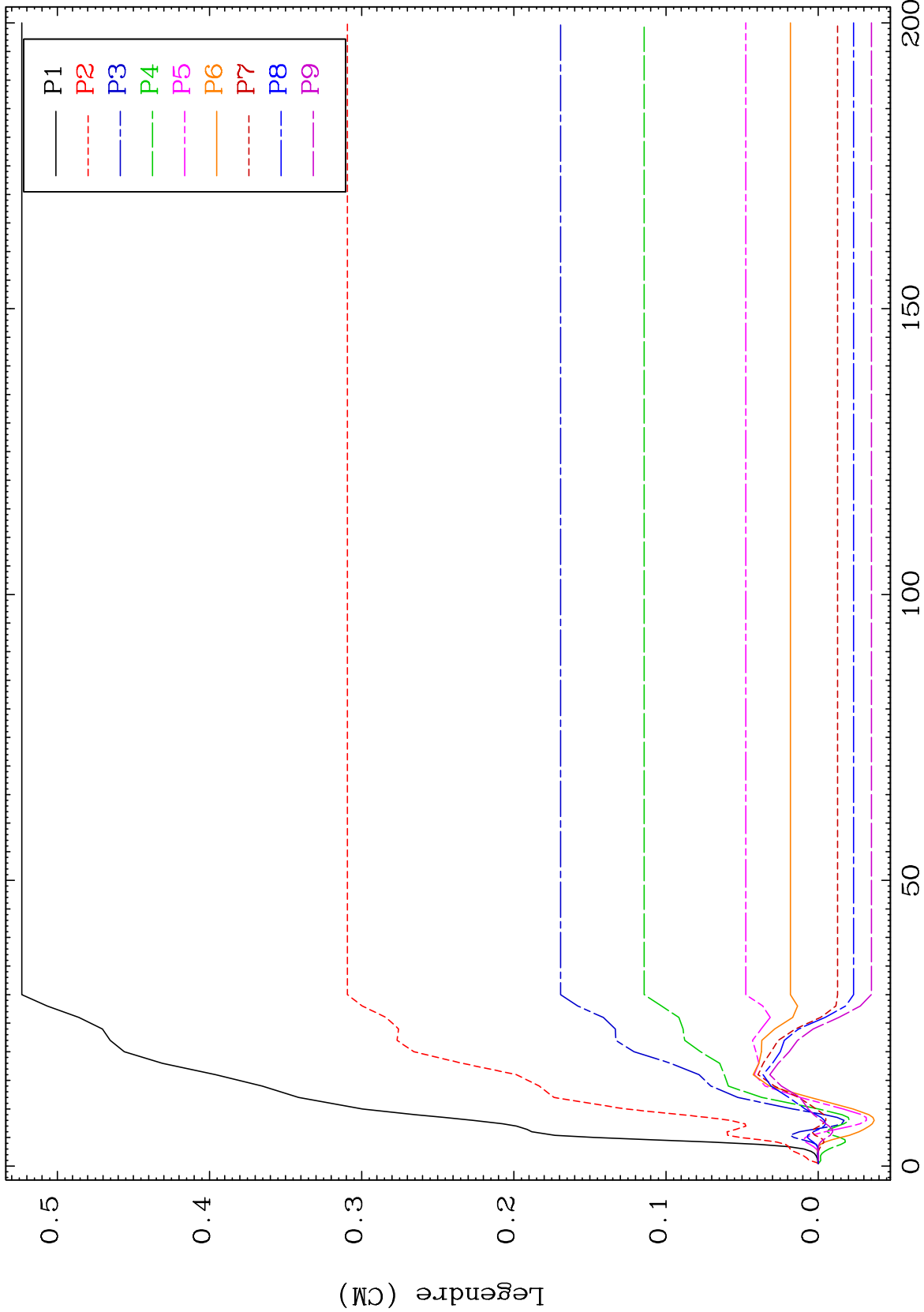
64-Gd-161

MAT 6452

MT= 56 (n,n') Level

64-Gd-161

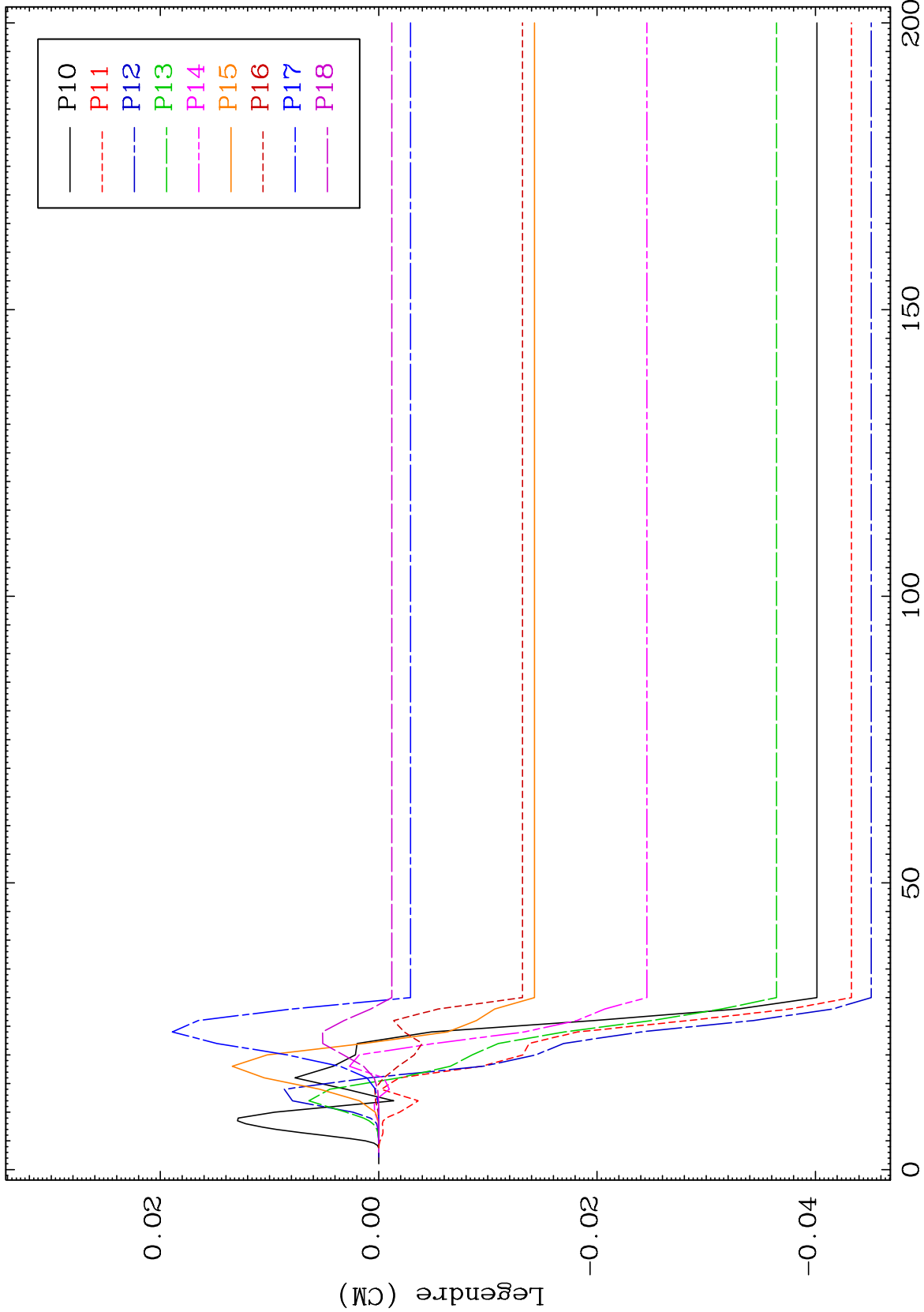
Legendre Coefficients



MAT 6452

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

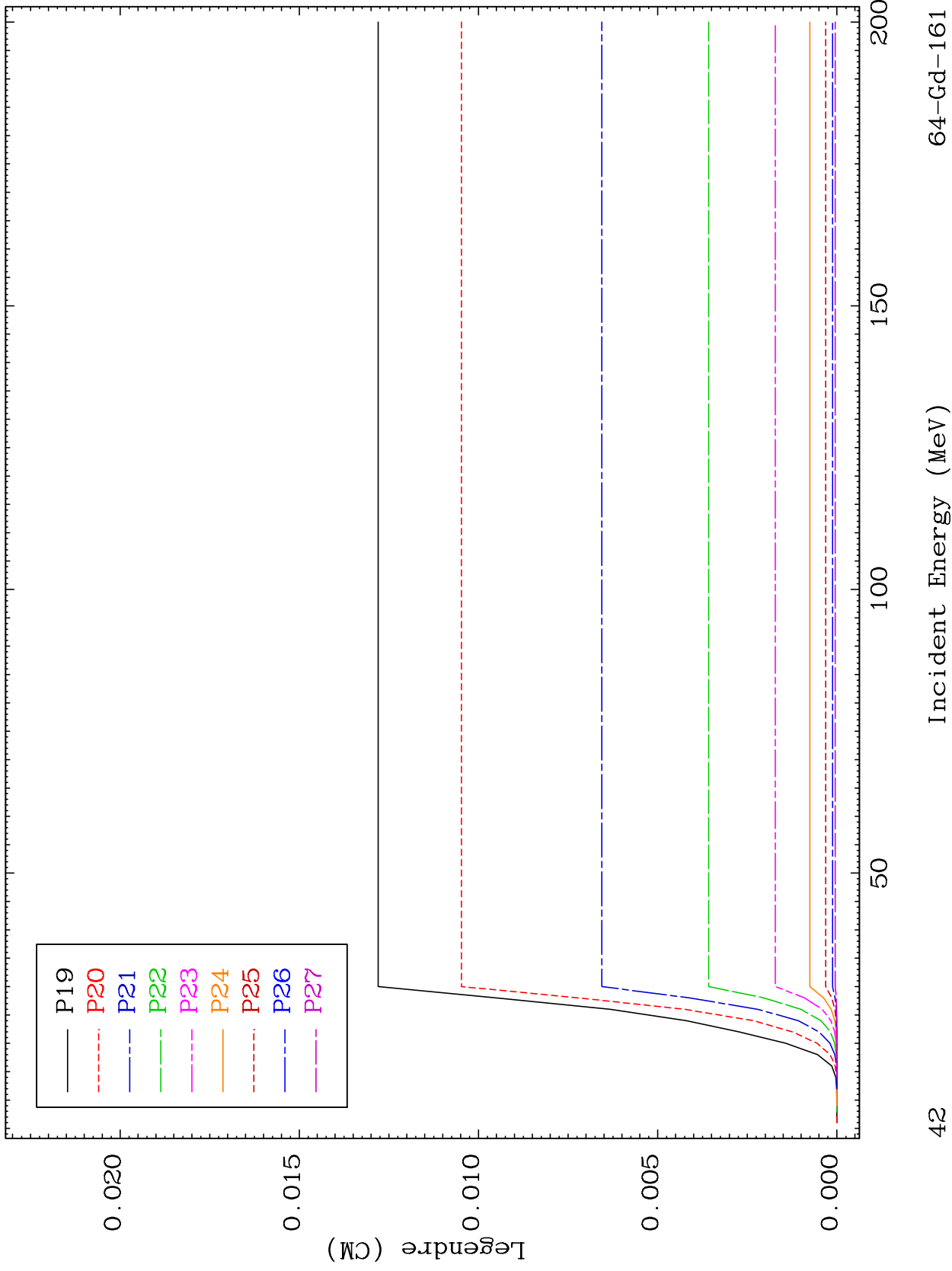
64-Gd-161



41

Incident Energy (MeV)

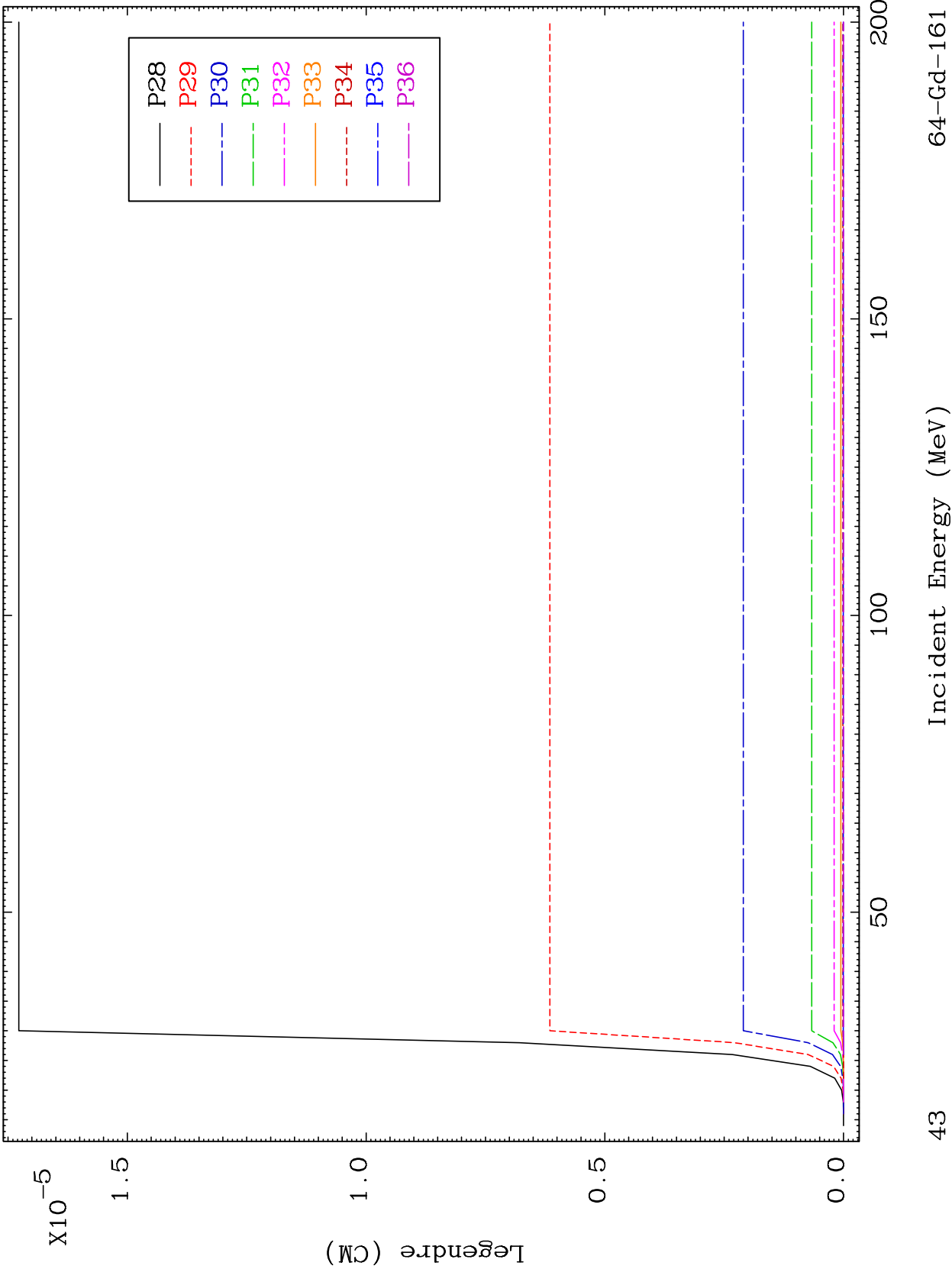
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MAT 6452

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

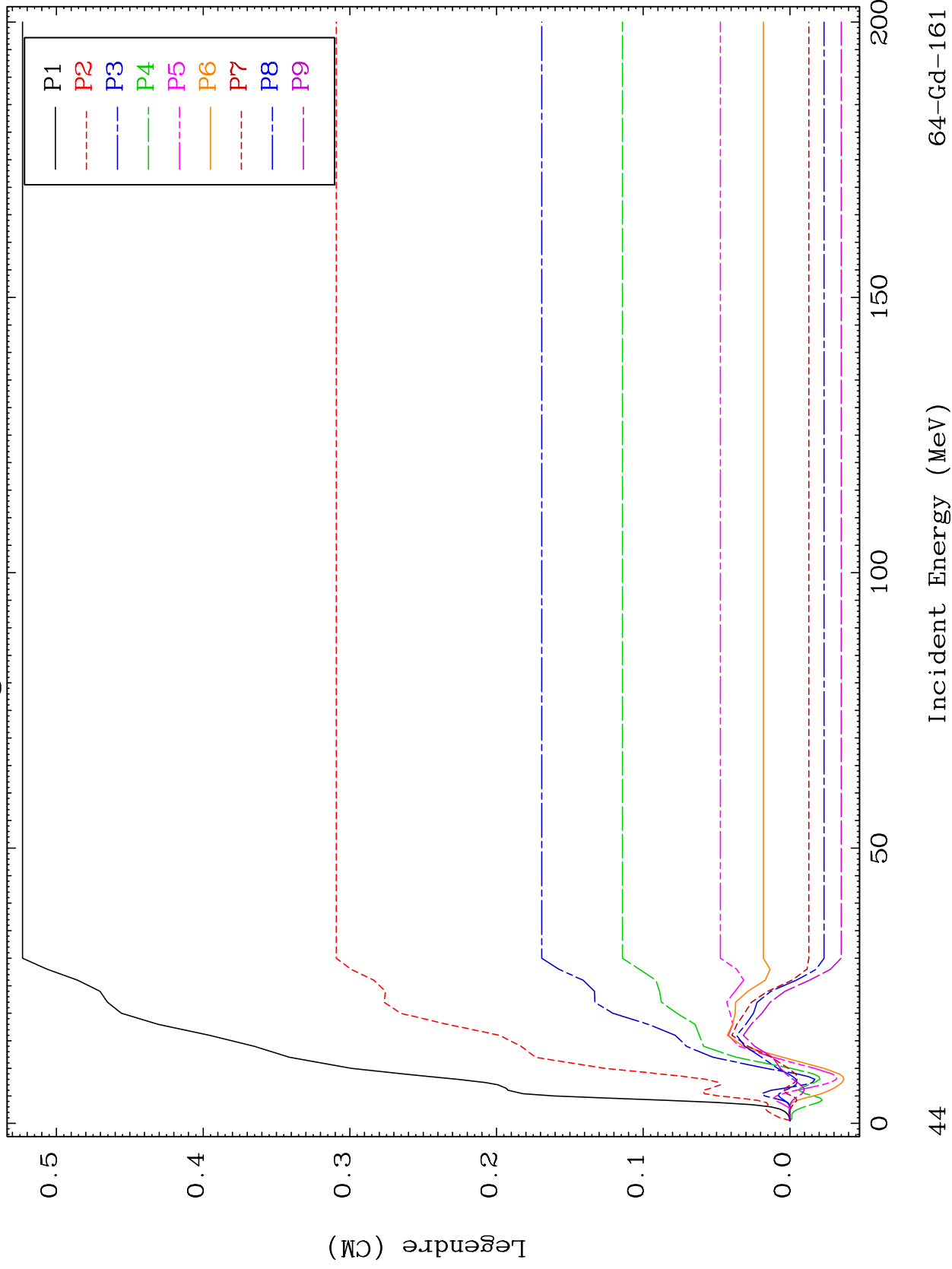
64-Gd-161



MAT 6452

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

64-Gd-161

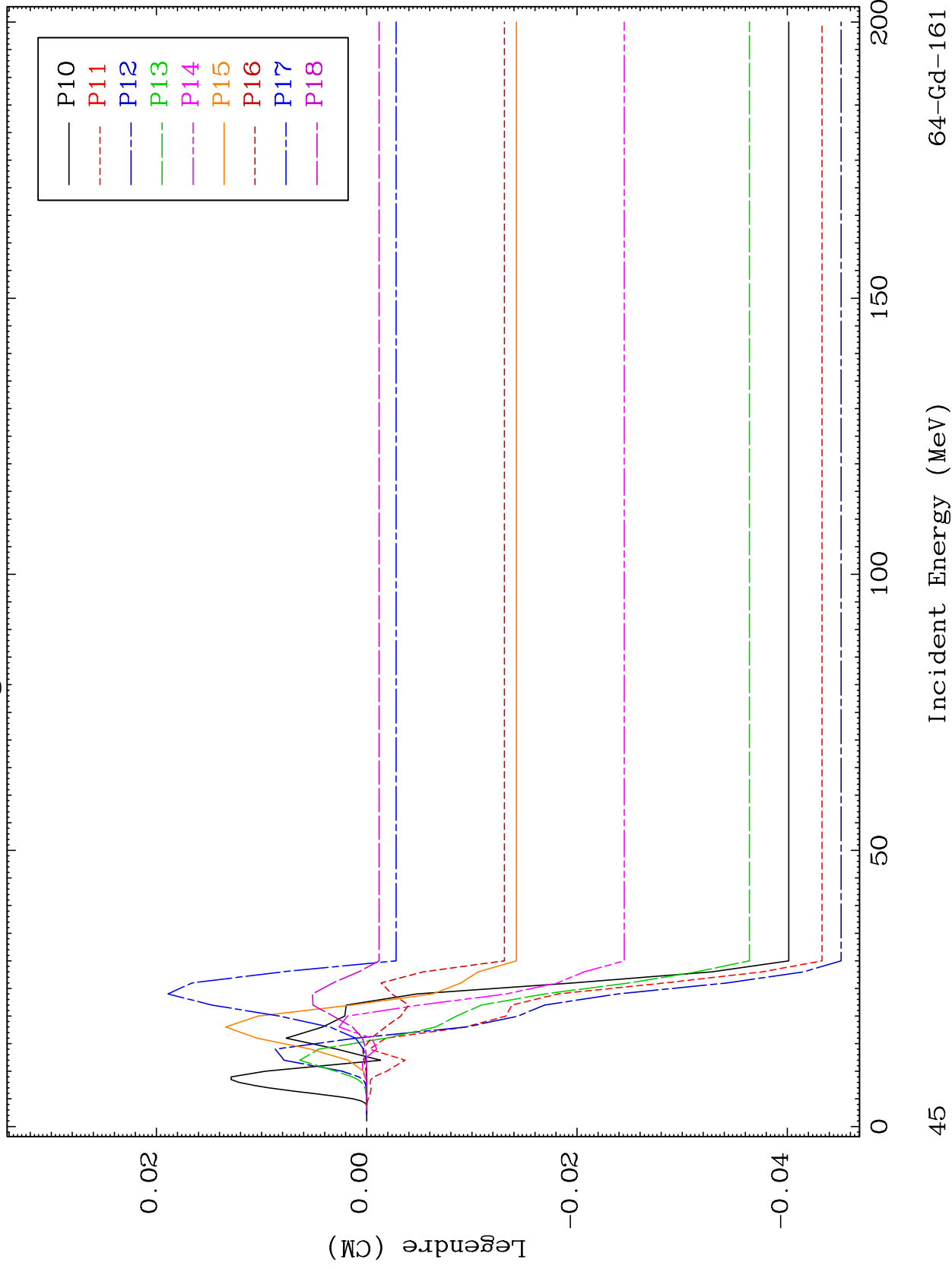


44

MAT 6452

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

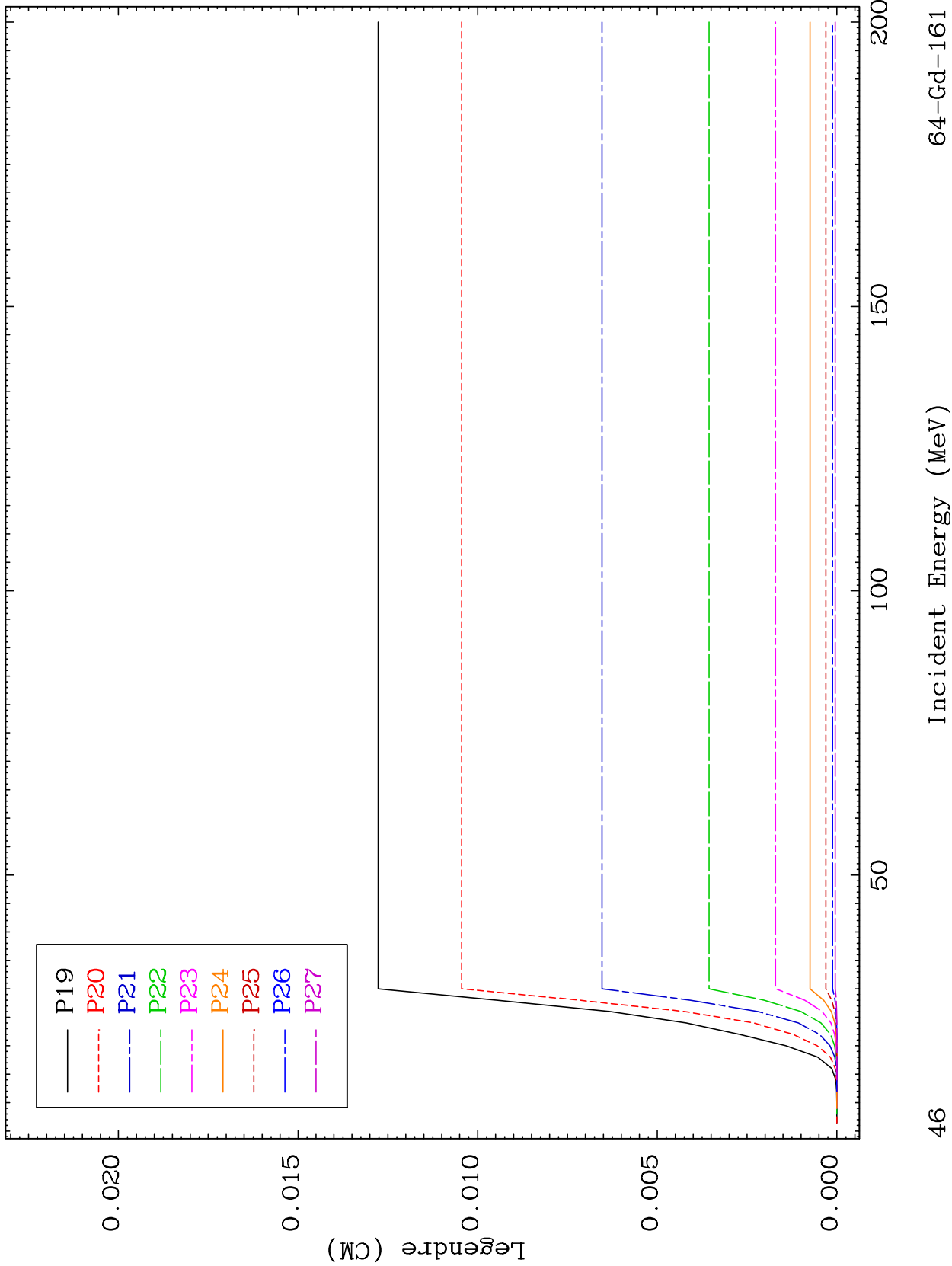
64-Gd-161



MAT 6452

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

64-Gd-161



46

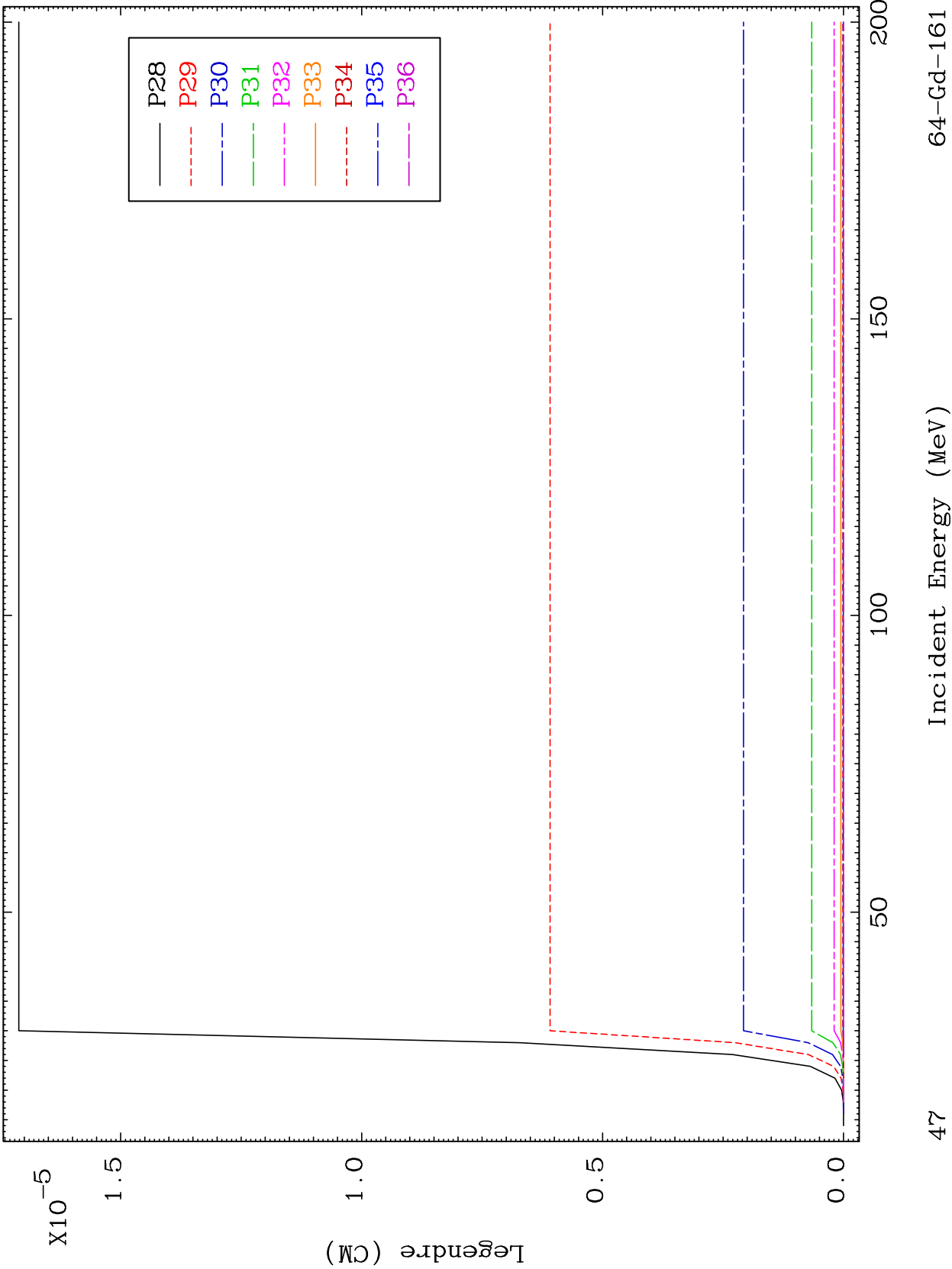
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



47

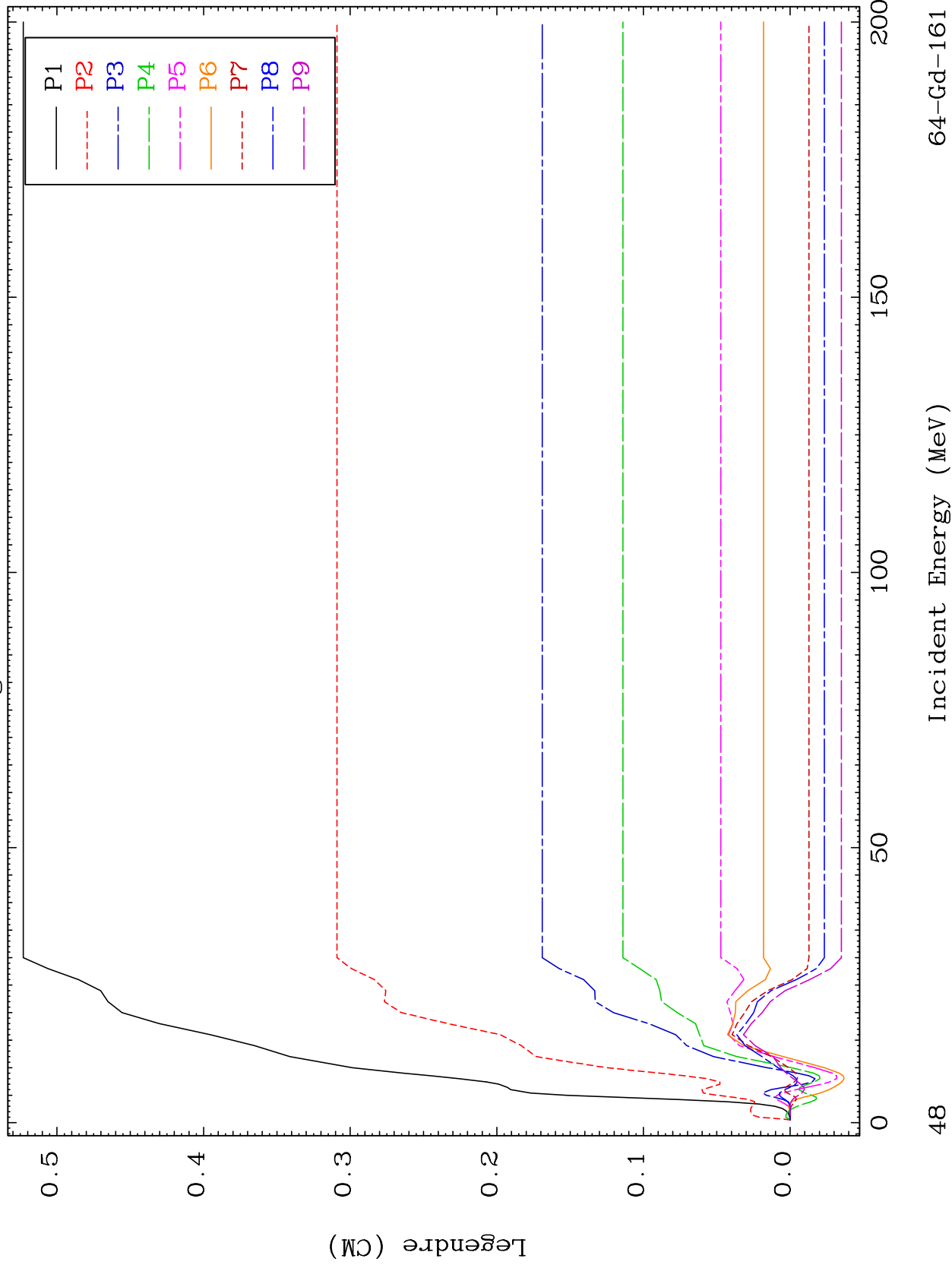
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



48

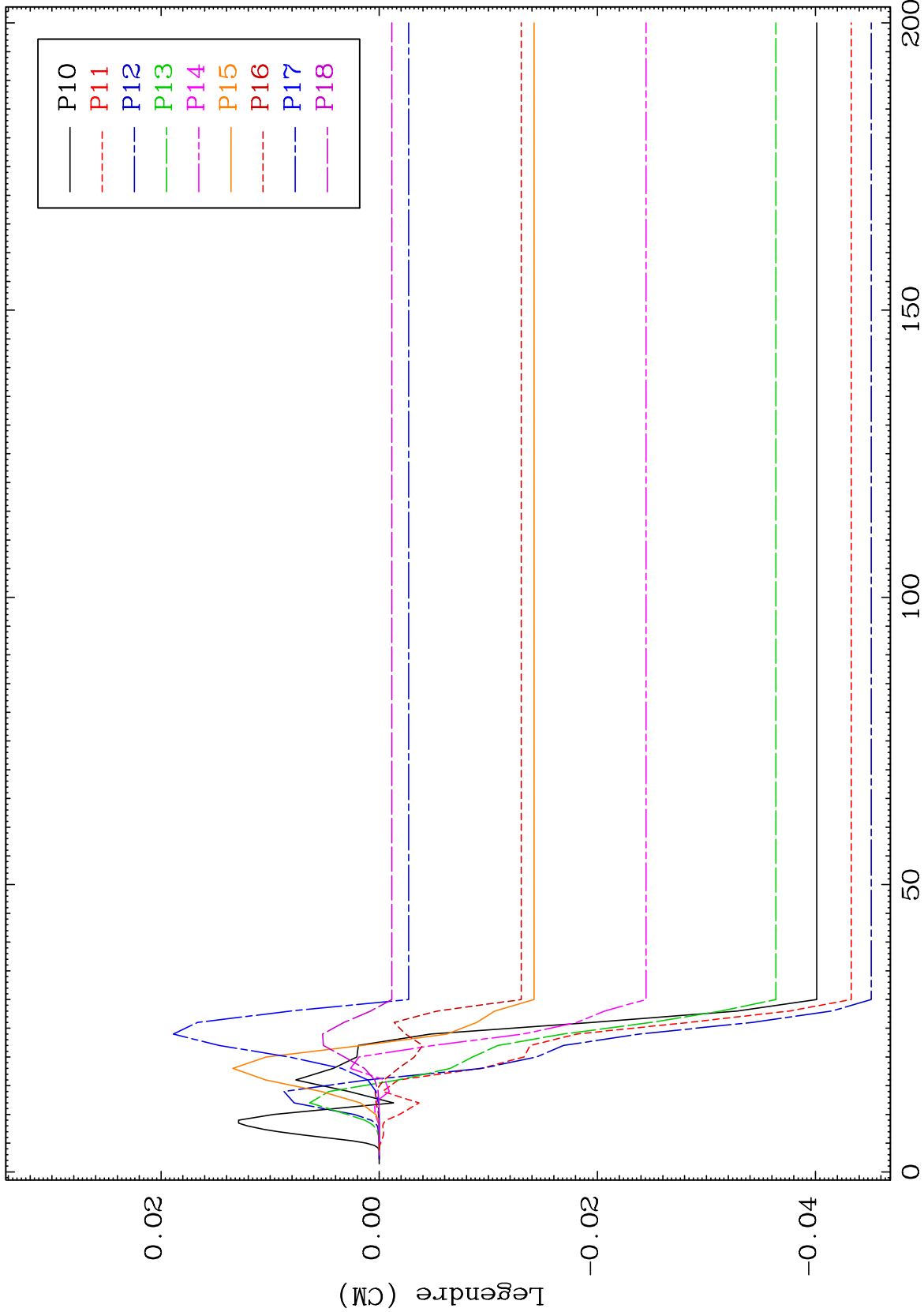
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



49

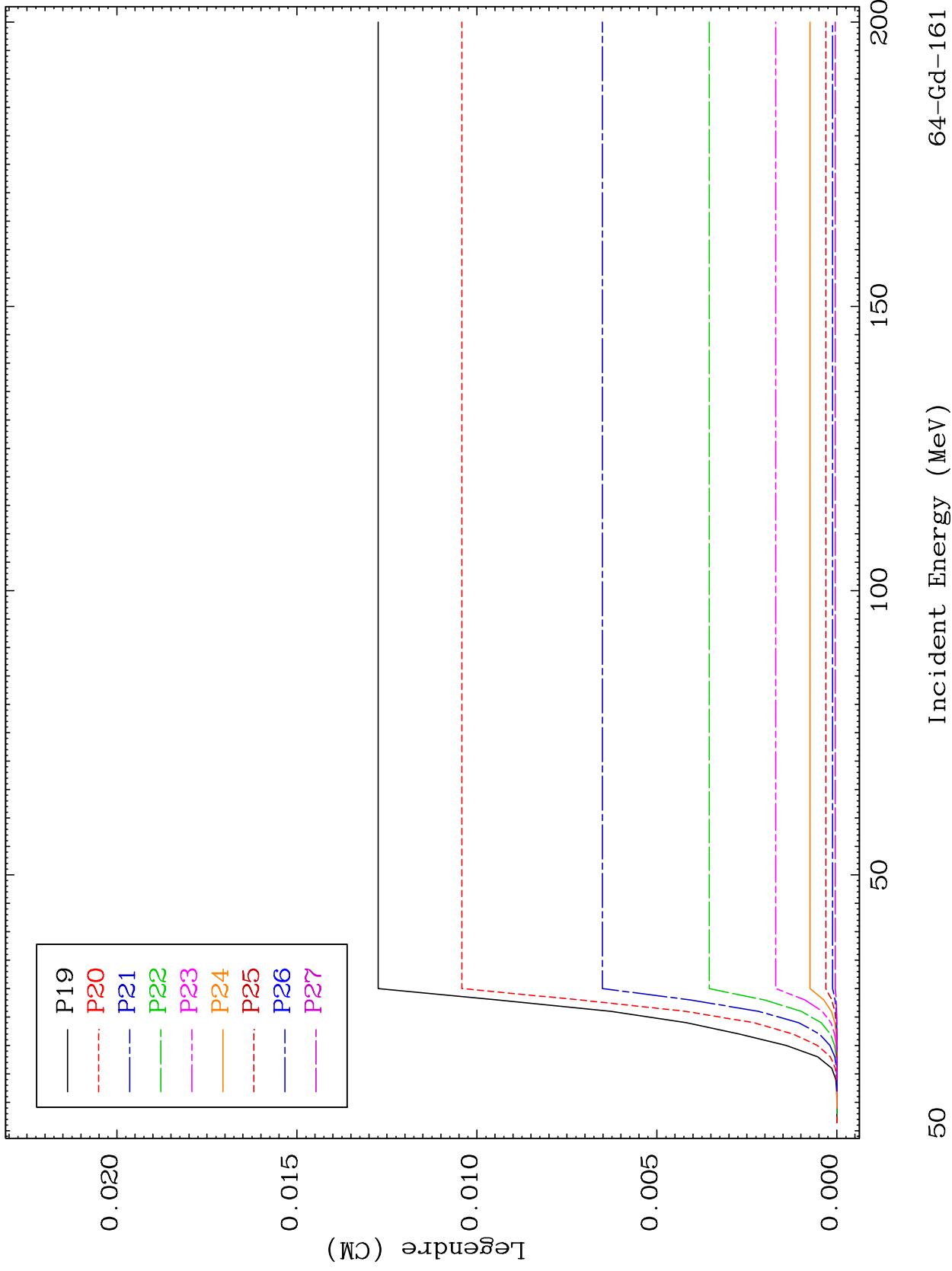
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



64-Gd-161

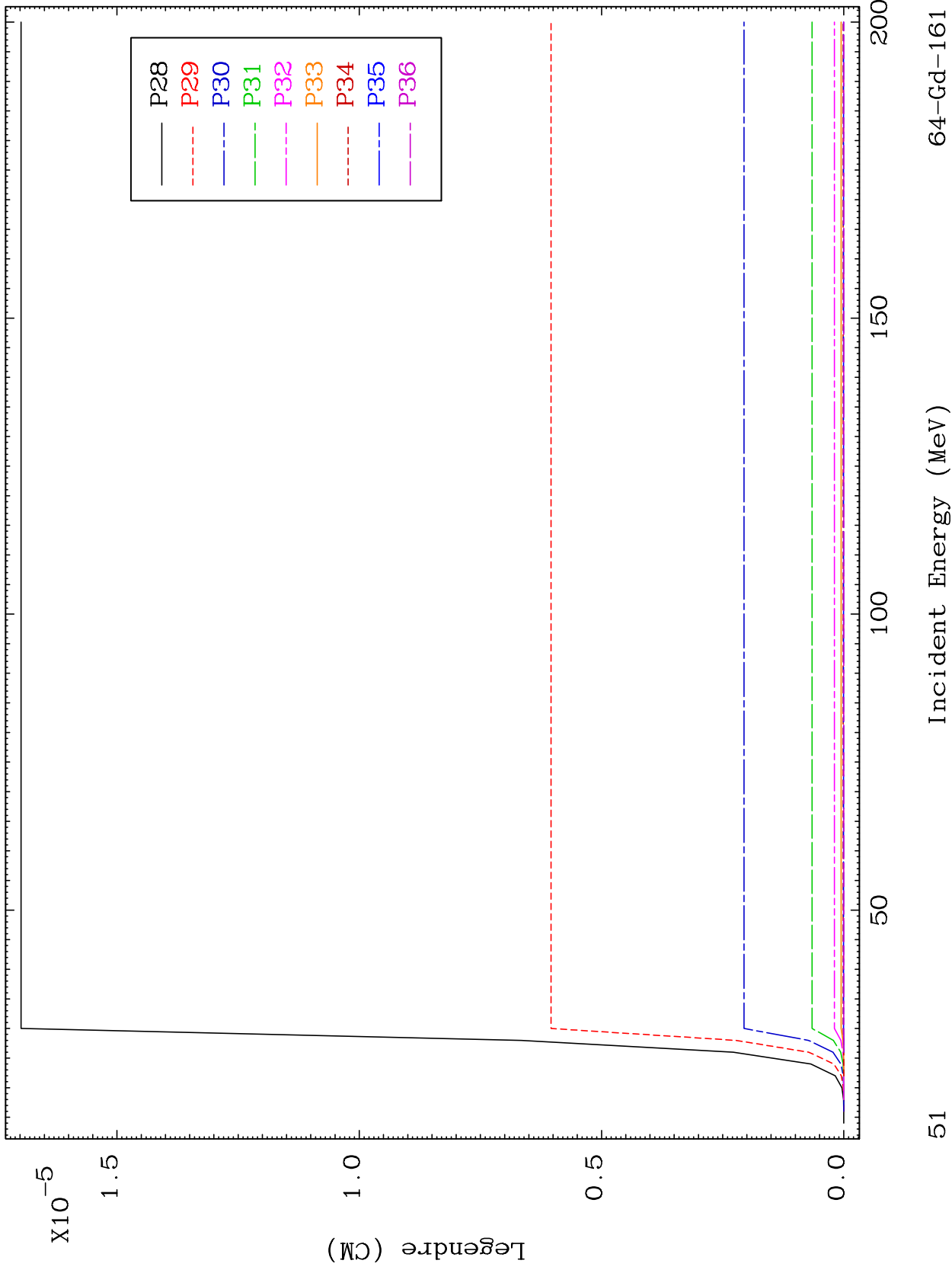
Incident Energy (MeV)

50

MAT 6452

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

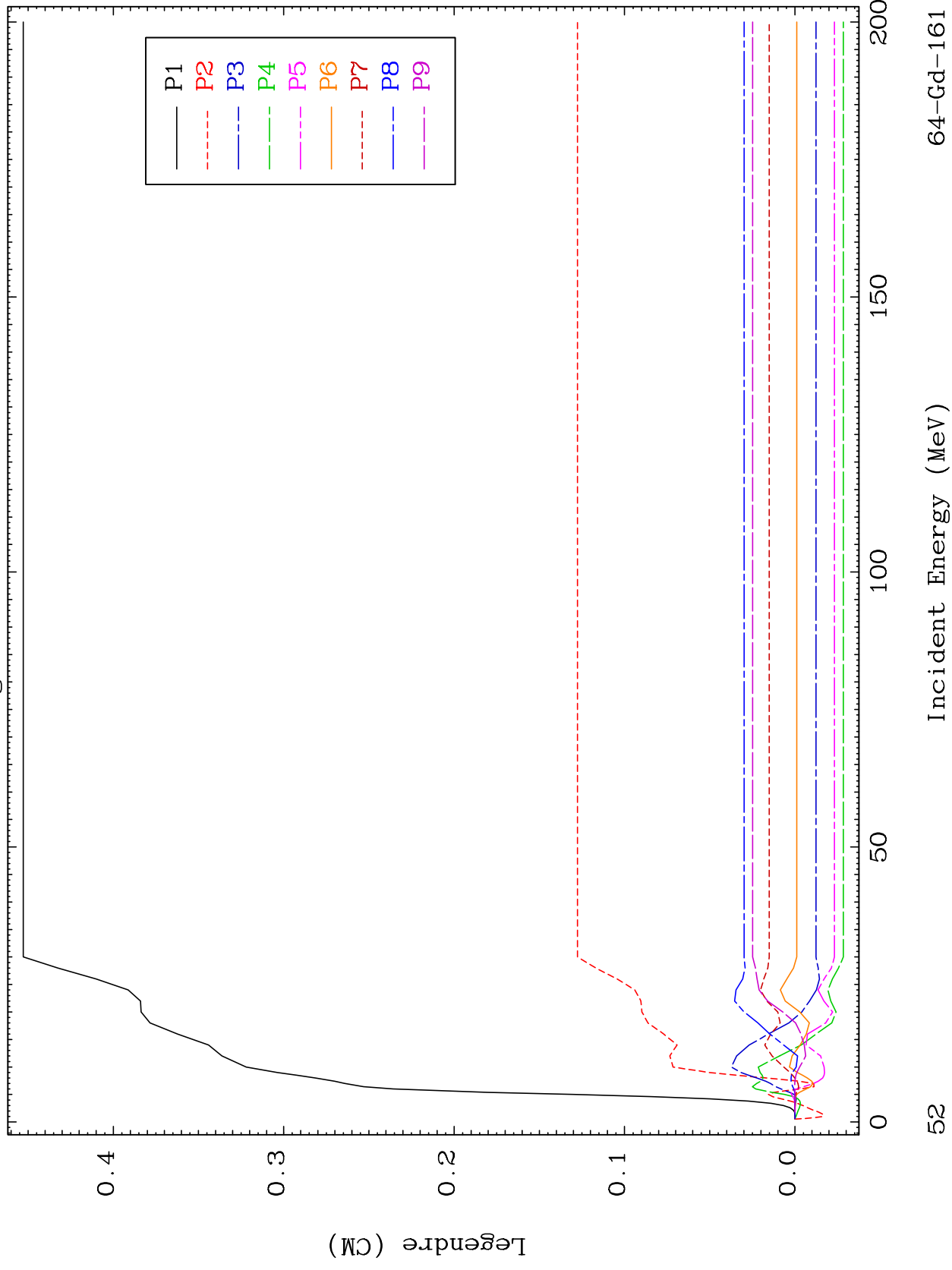
64-Gd-161



MAT 6452

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

64-Gd-161



64-Gd-161

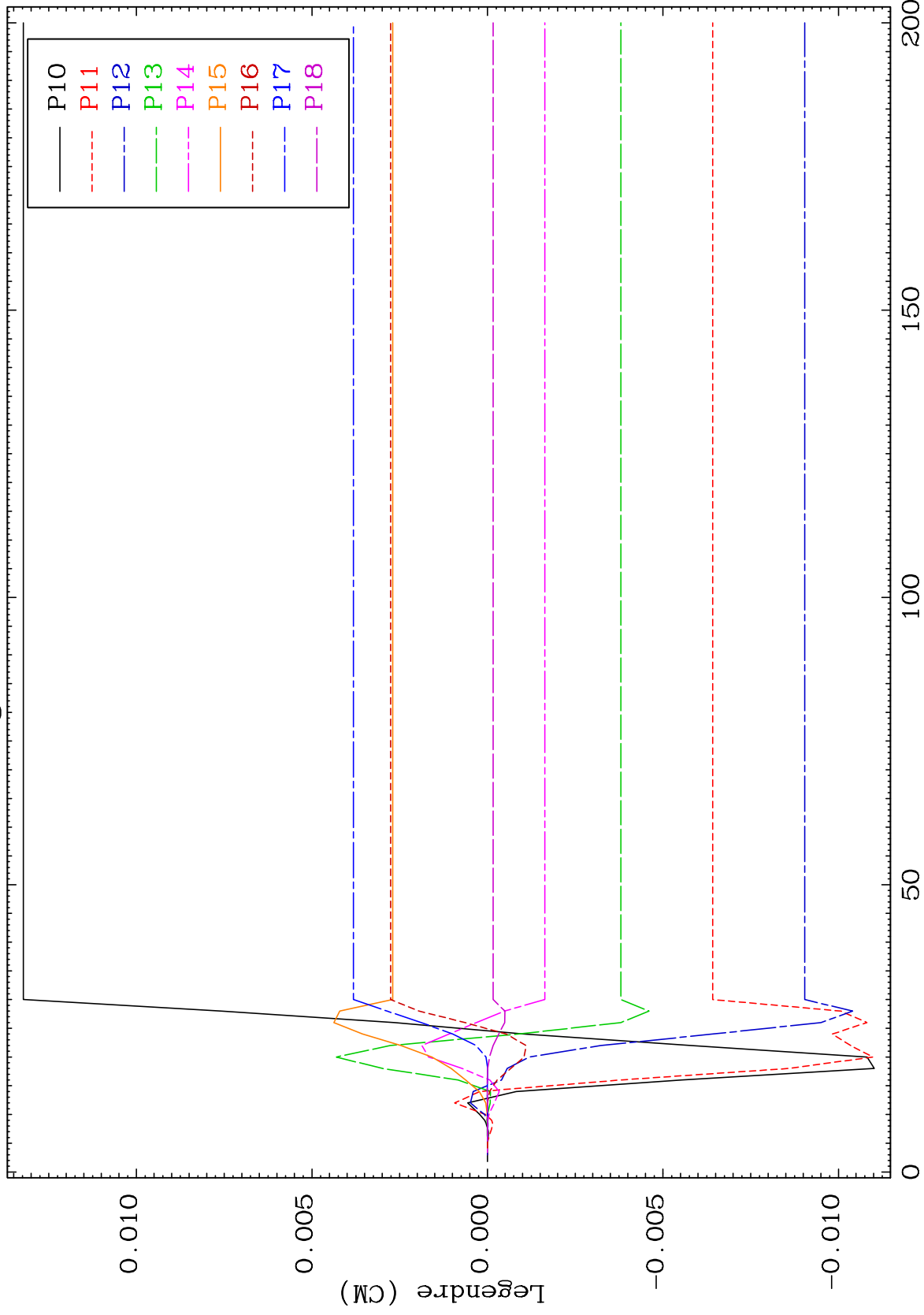
Incident Energy (MeV)

52

MAT 6452

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

64-Gd-161



53

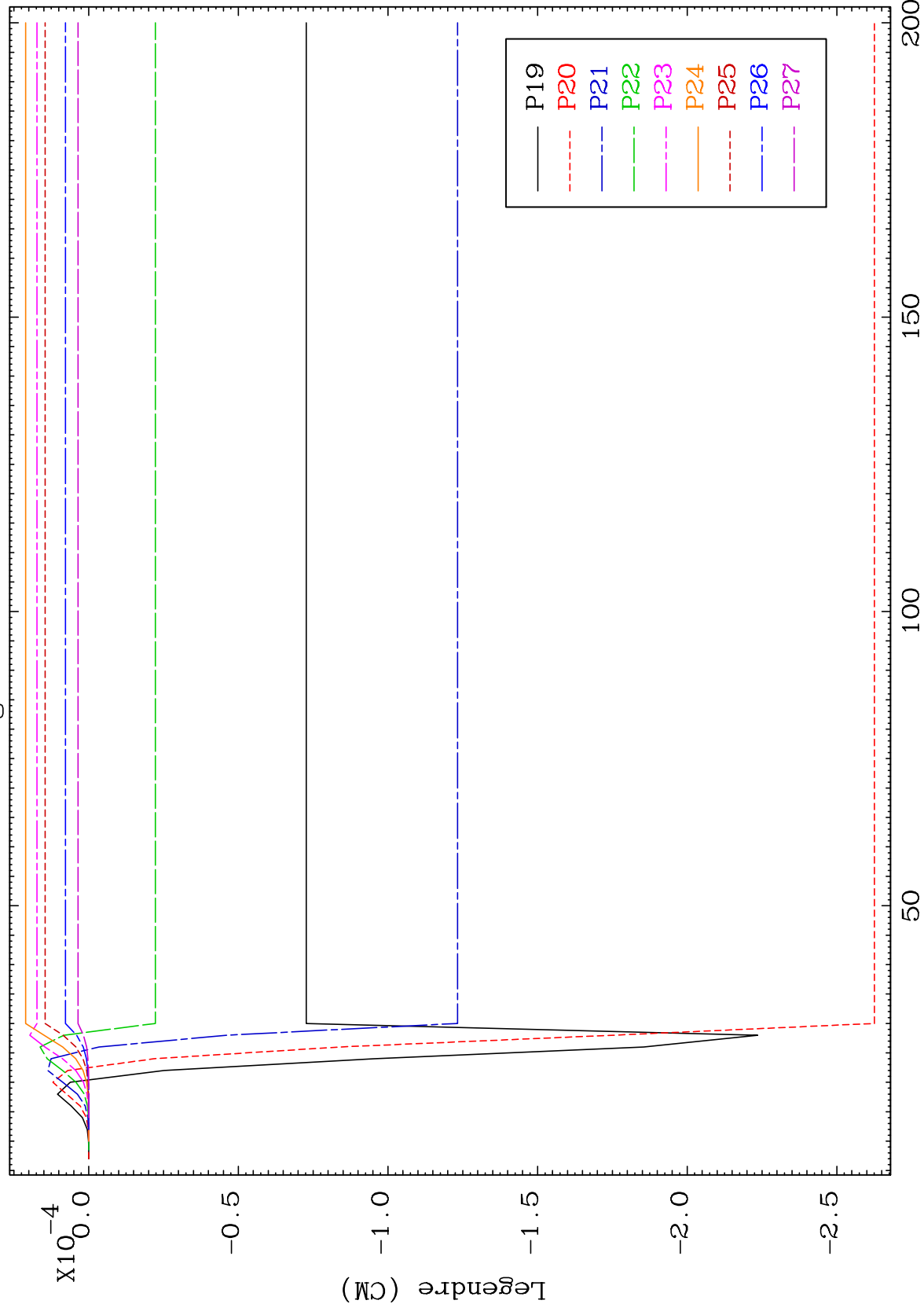
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



54

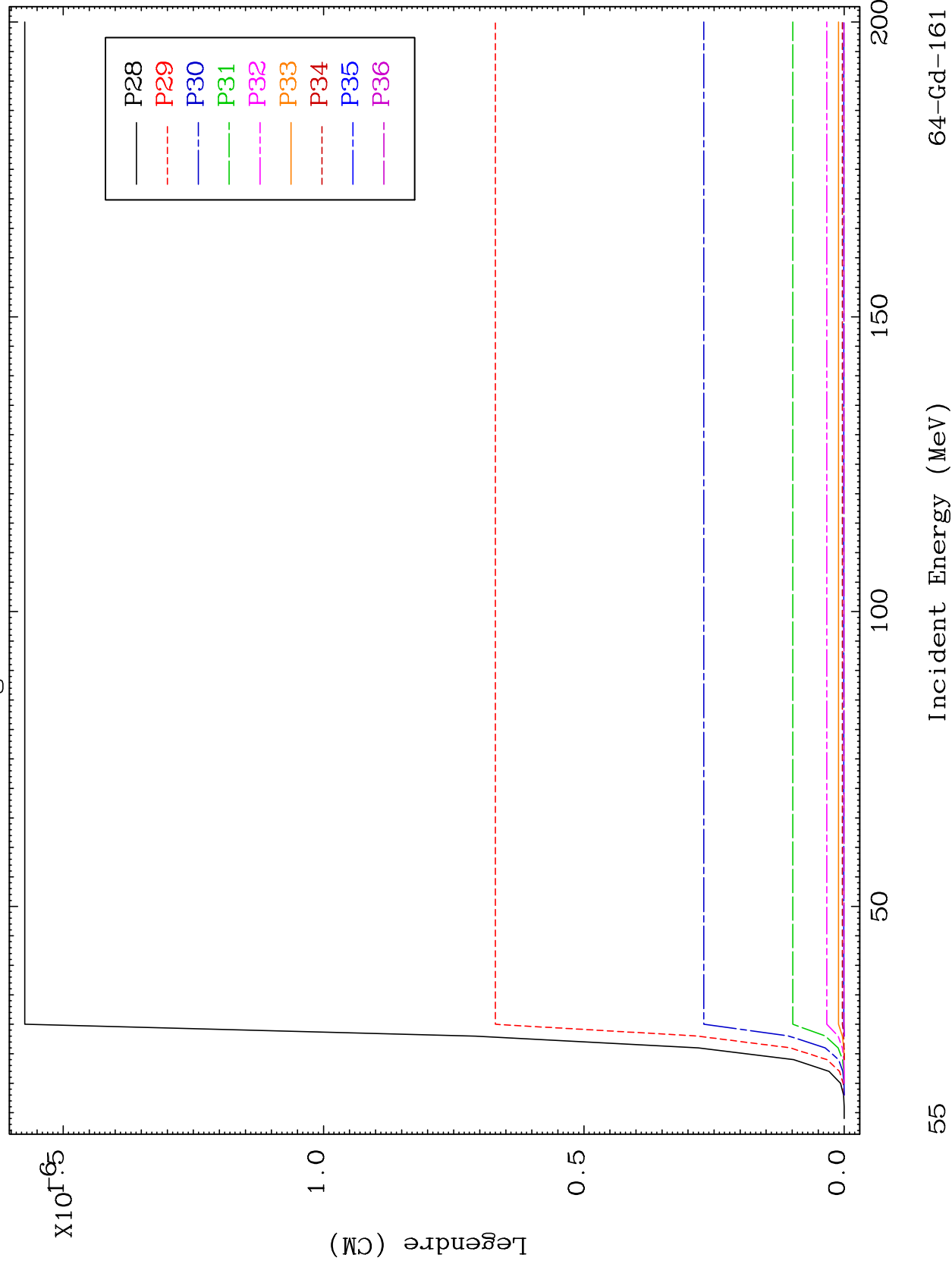
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



55

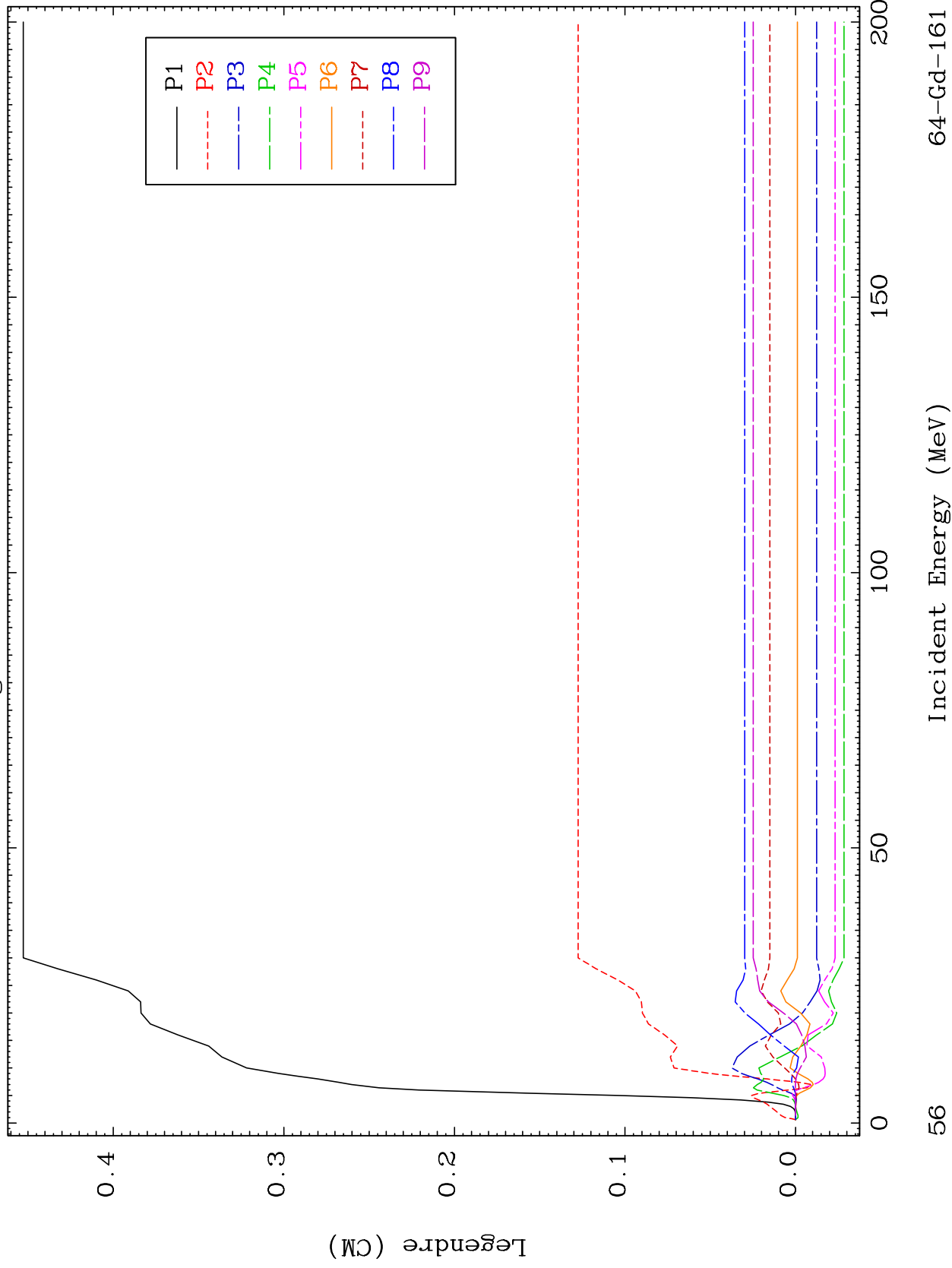
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



64-Gd-161

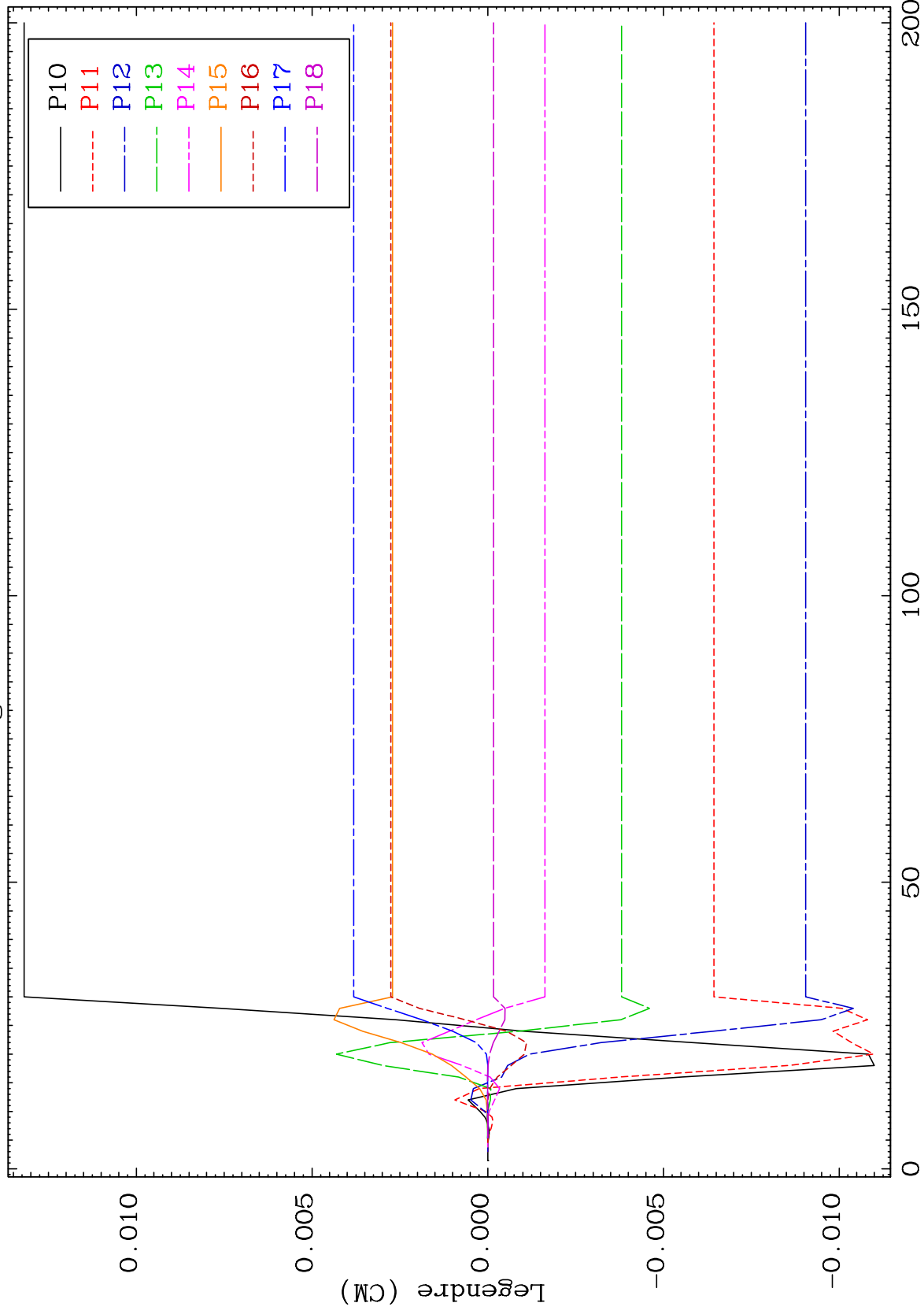
Incident Energy (MeV)

56

MAT 6452

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

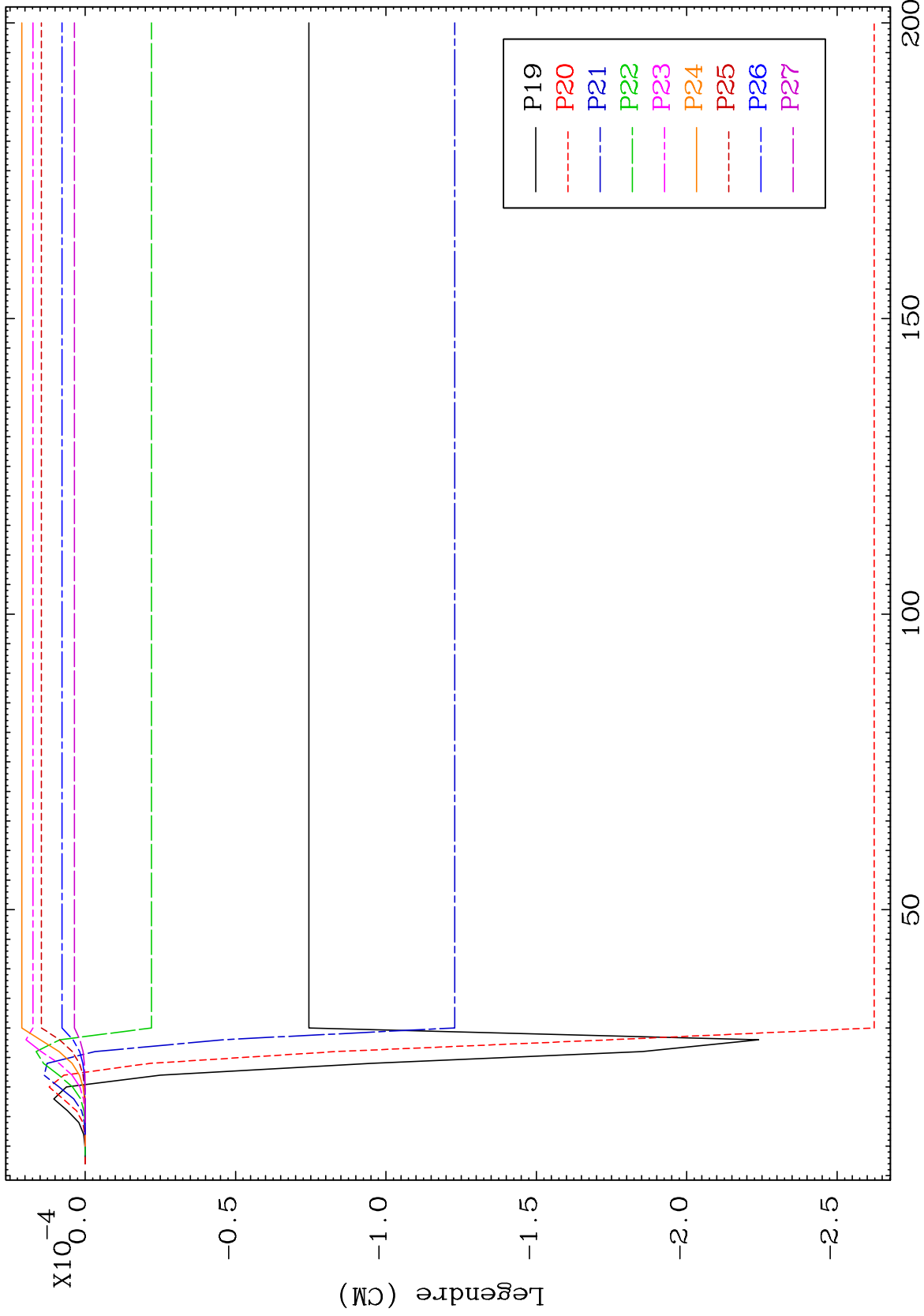
64-Gd-161



57

Incident Energy (MeV)

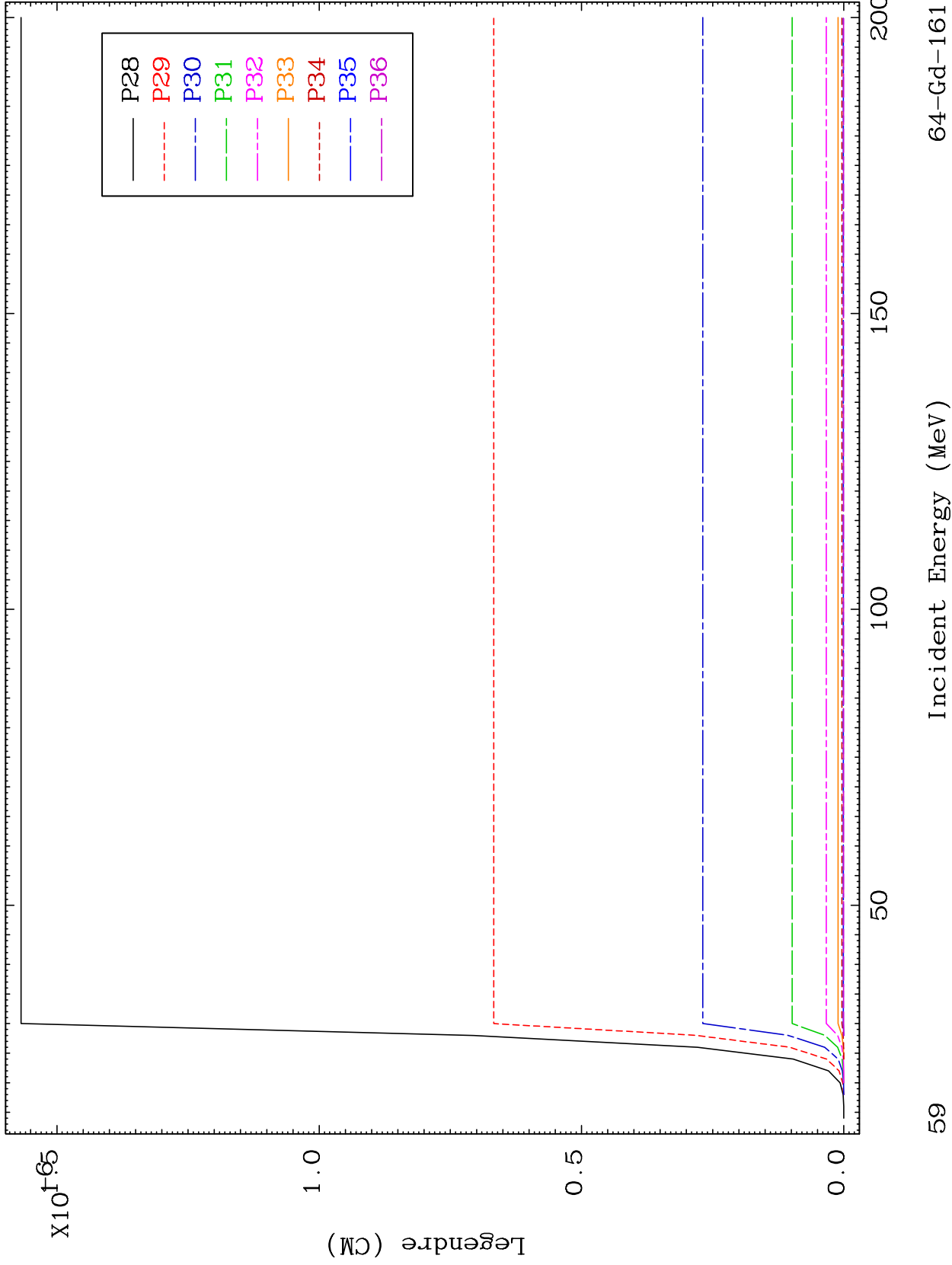
64-Gd-161



MAT 6452

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

64-Gd-161



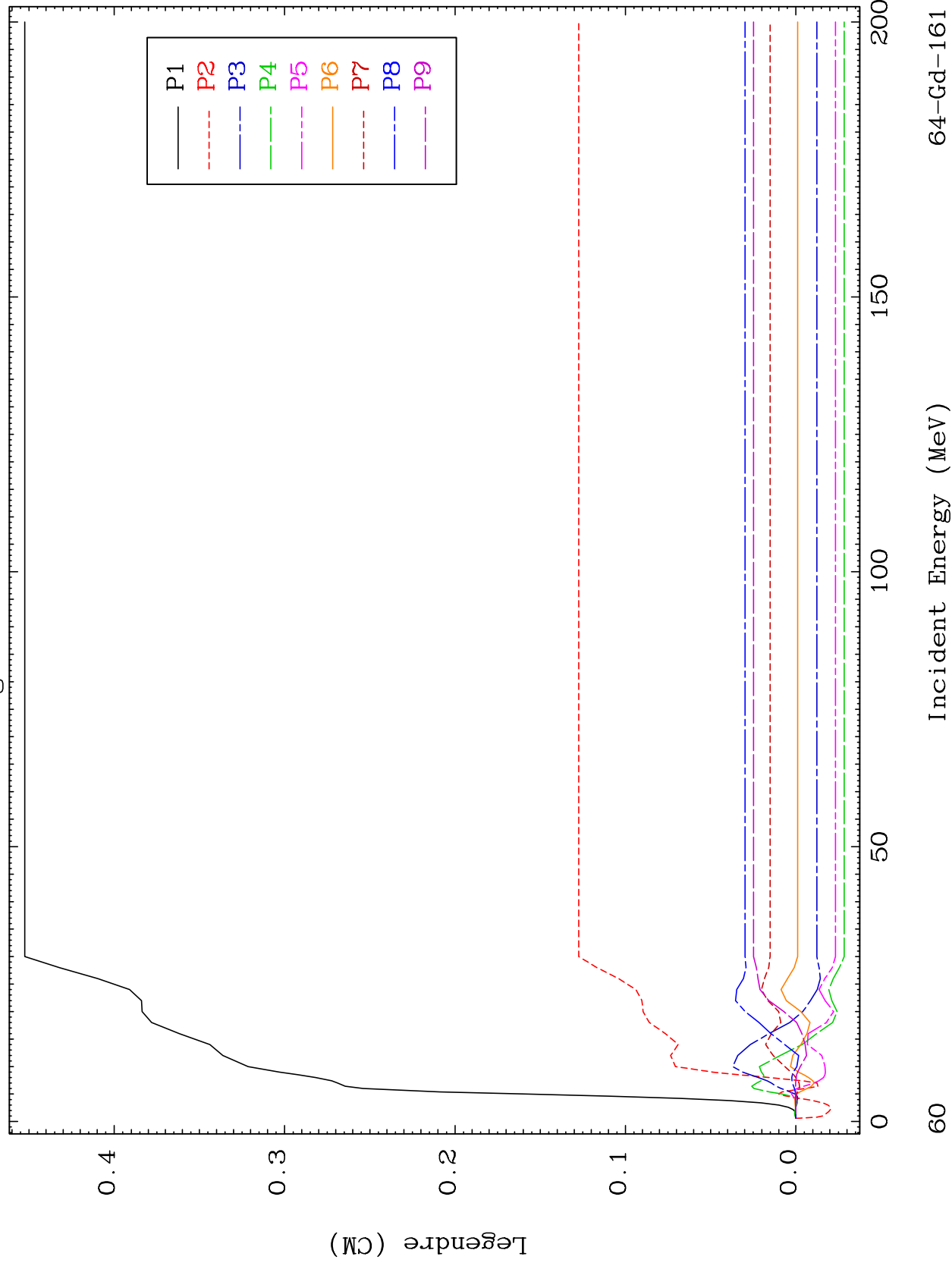
59

64-Gd-161

MAT 6452

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

64-Gd-161



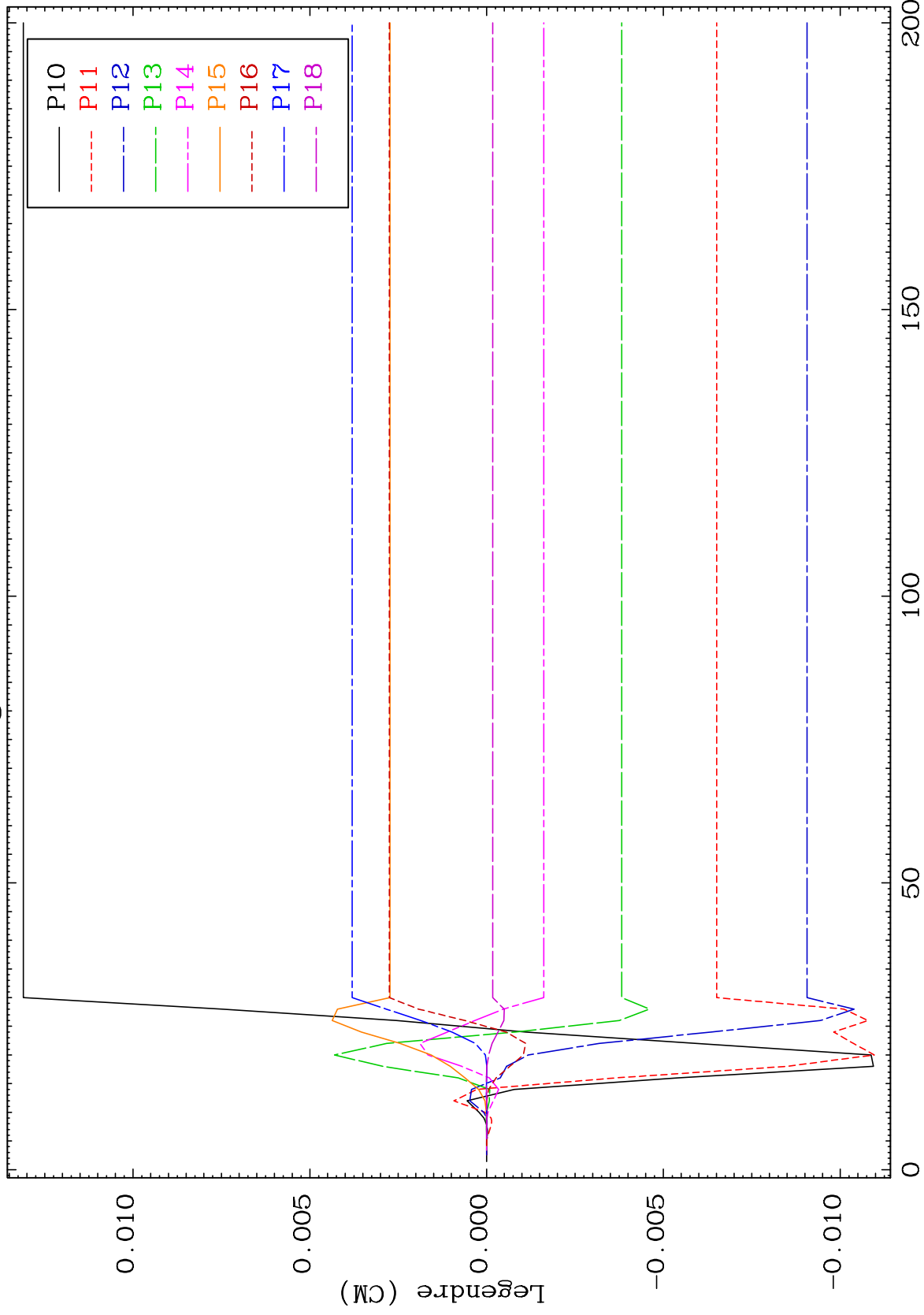
64-Gd-161

Incident Energy (MeV)

MAT 6452

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

64-Gd-161



61

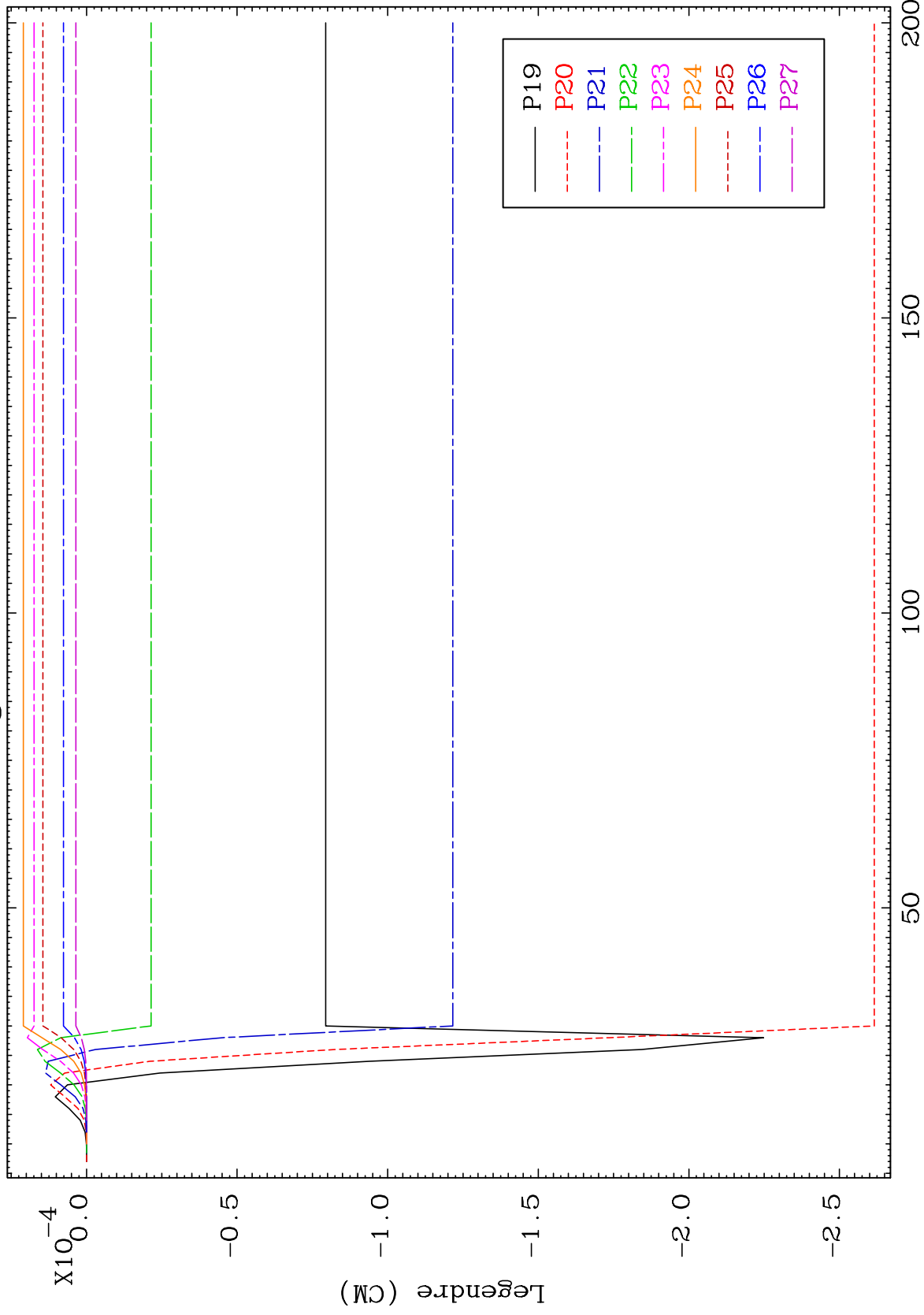
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



62

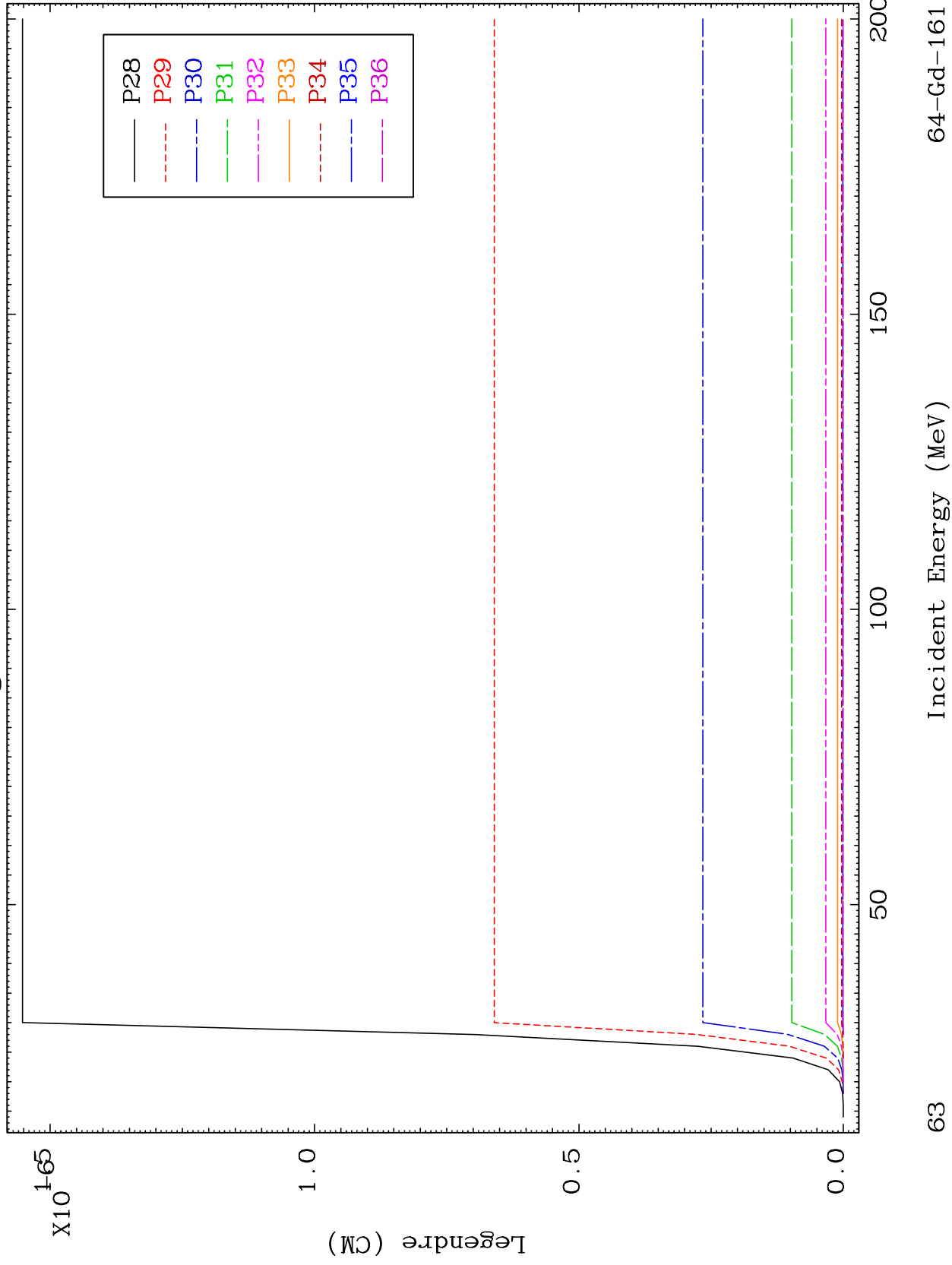
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

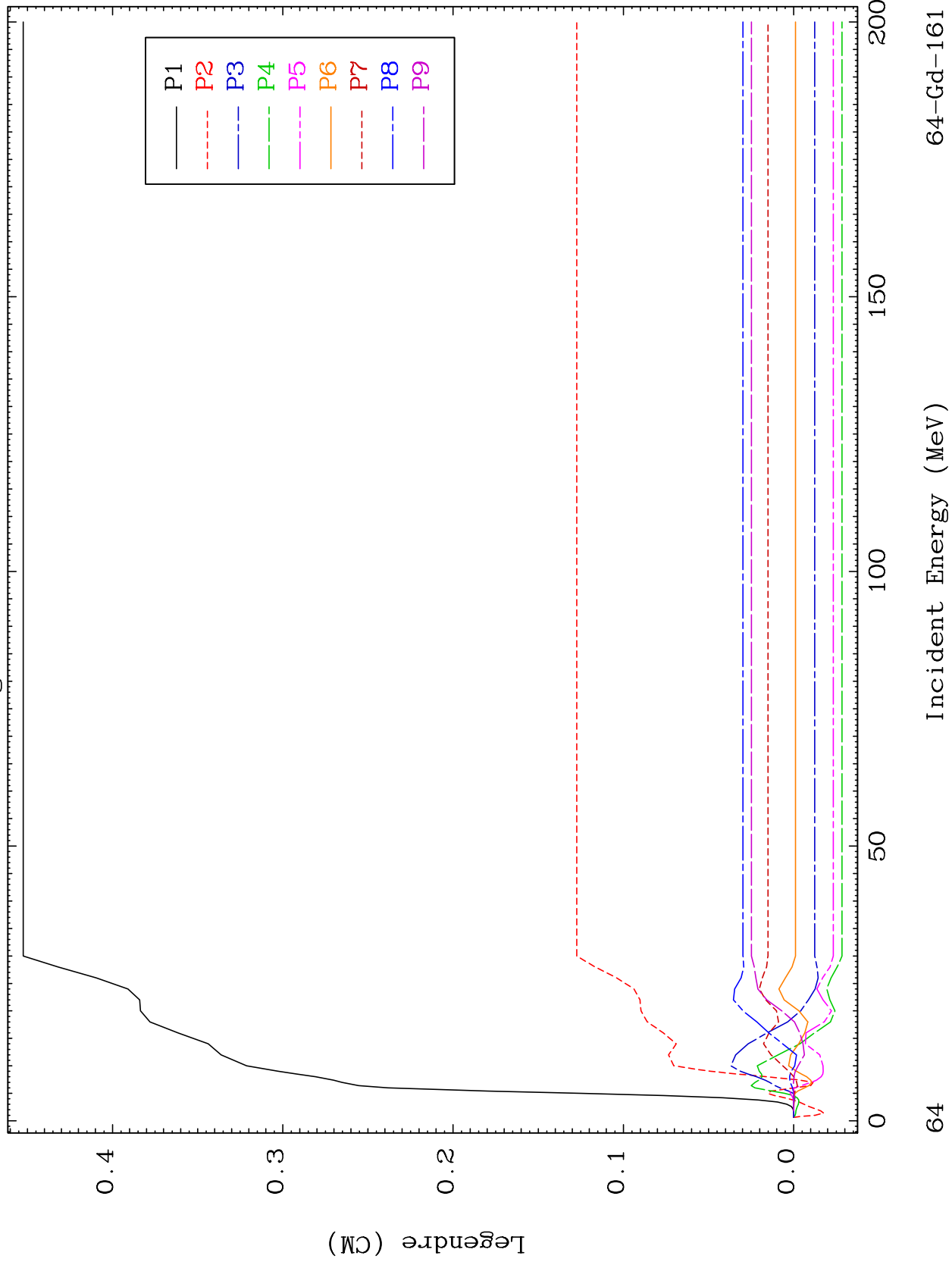
64-Gd-161



MAT 6452

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

64-Gd-161



64-Gd-161

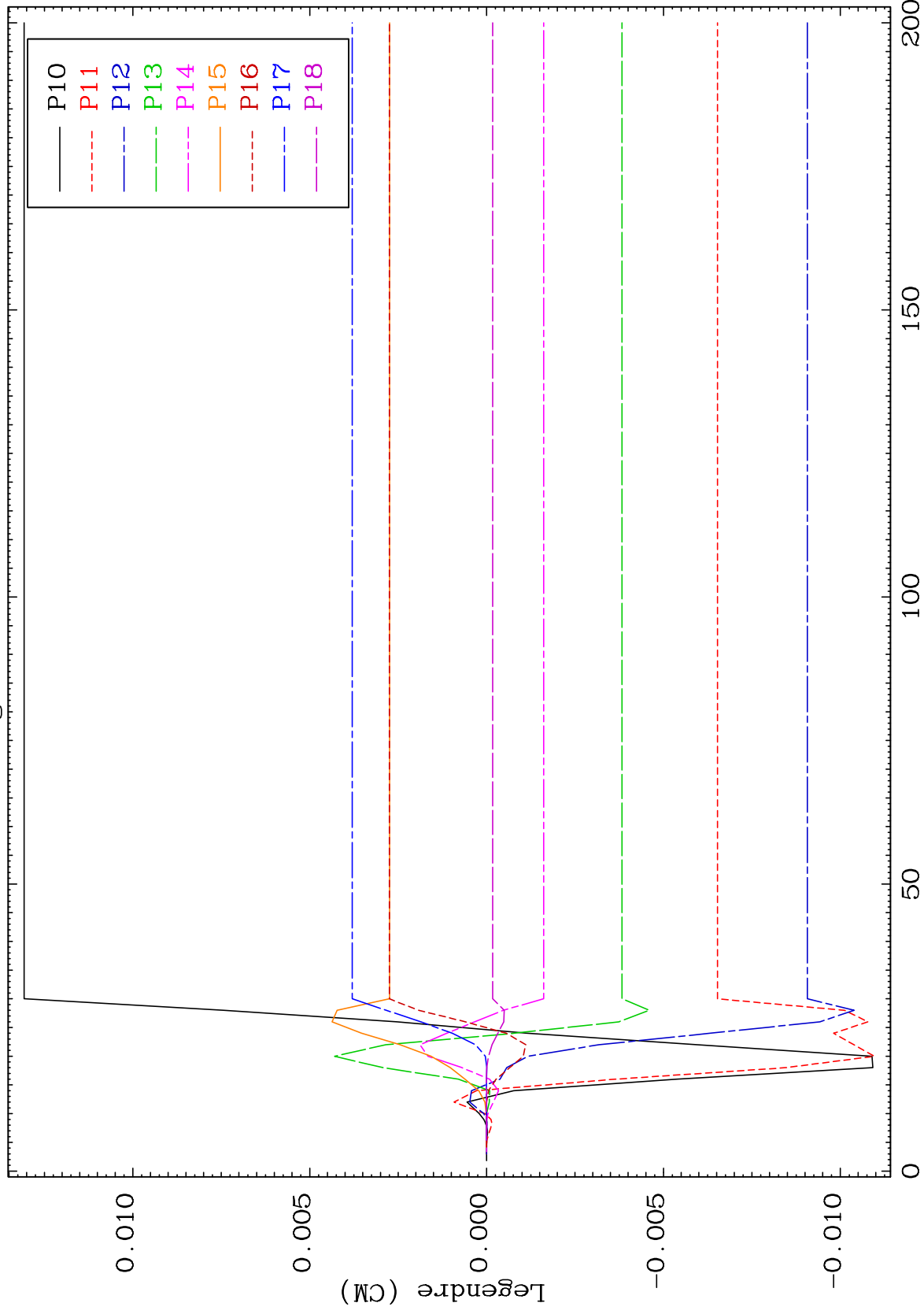
Incident Energy (MeV)

64

MAT 6452

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

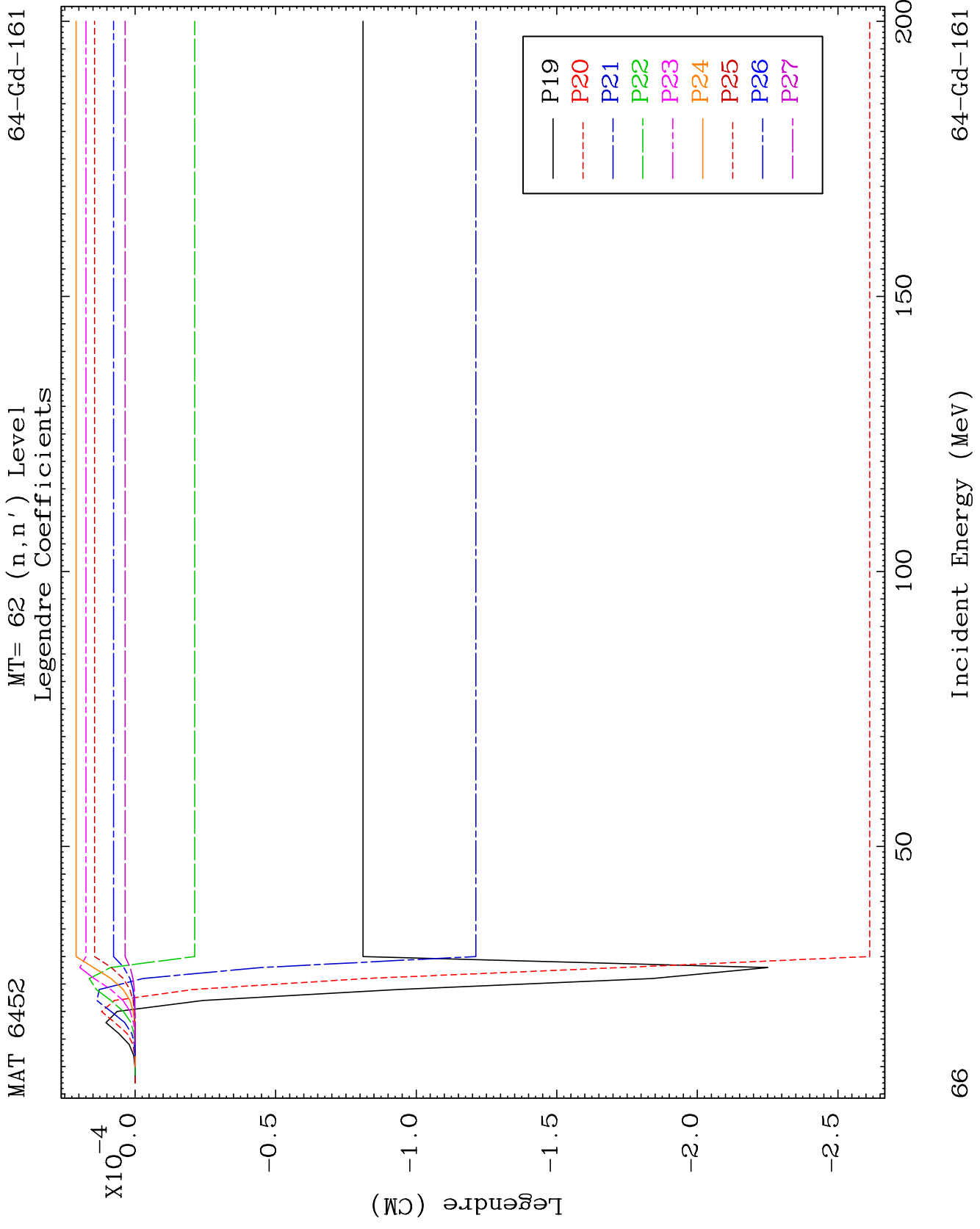
64-Gd-161



65

Incident Energy (MeV)

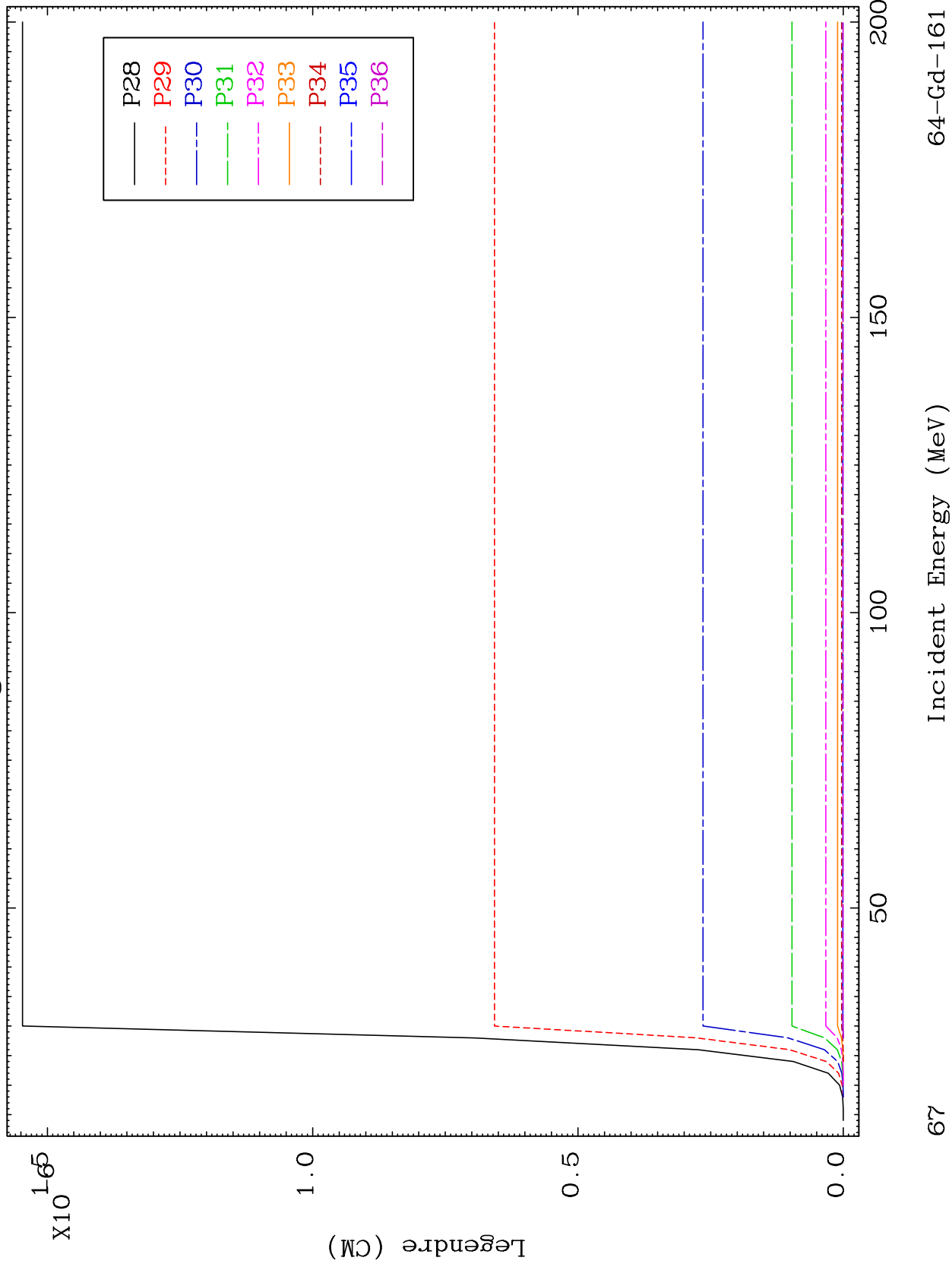
64-Gd-161



MAT 6452

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

64-Gd-161



67

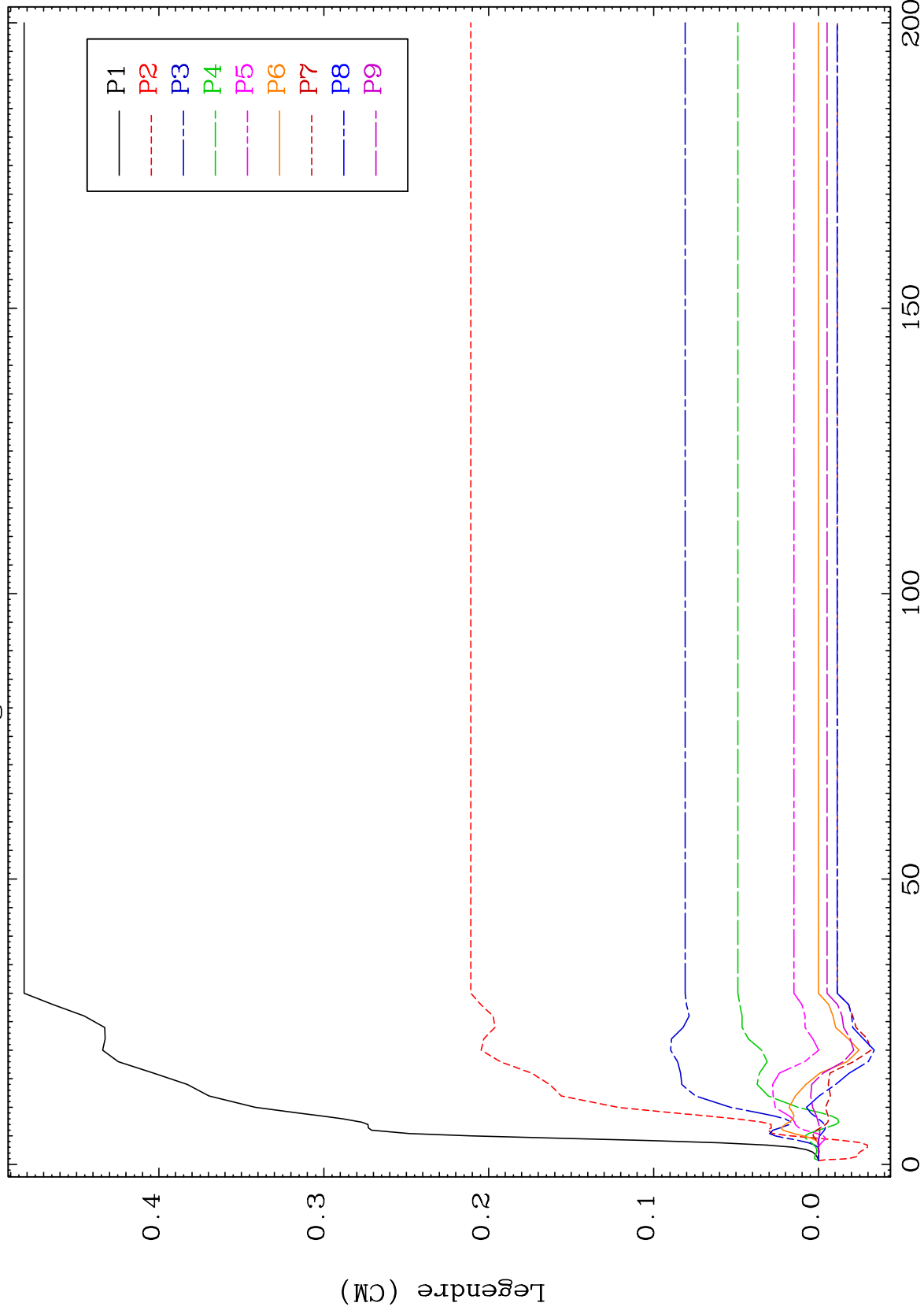
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



68

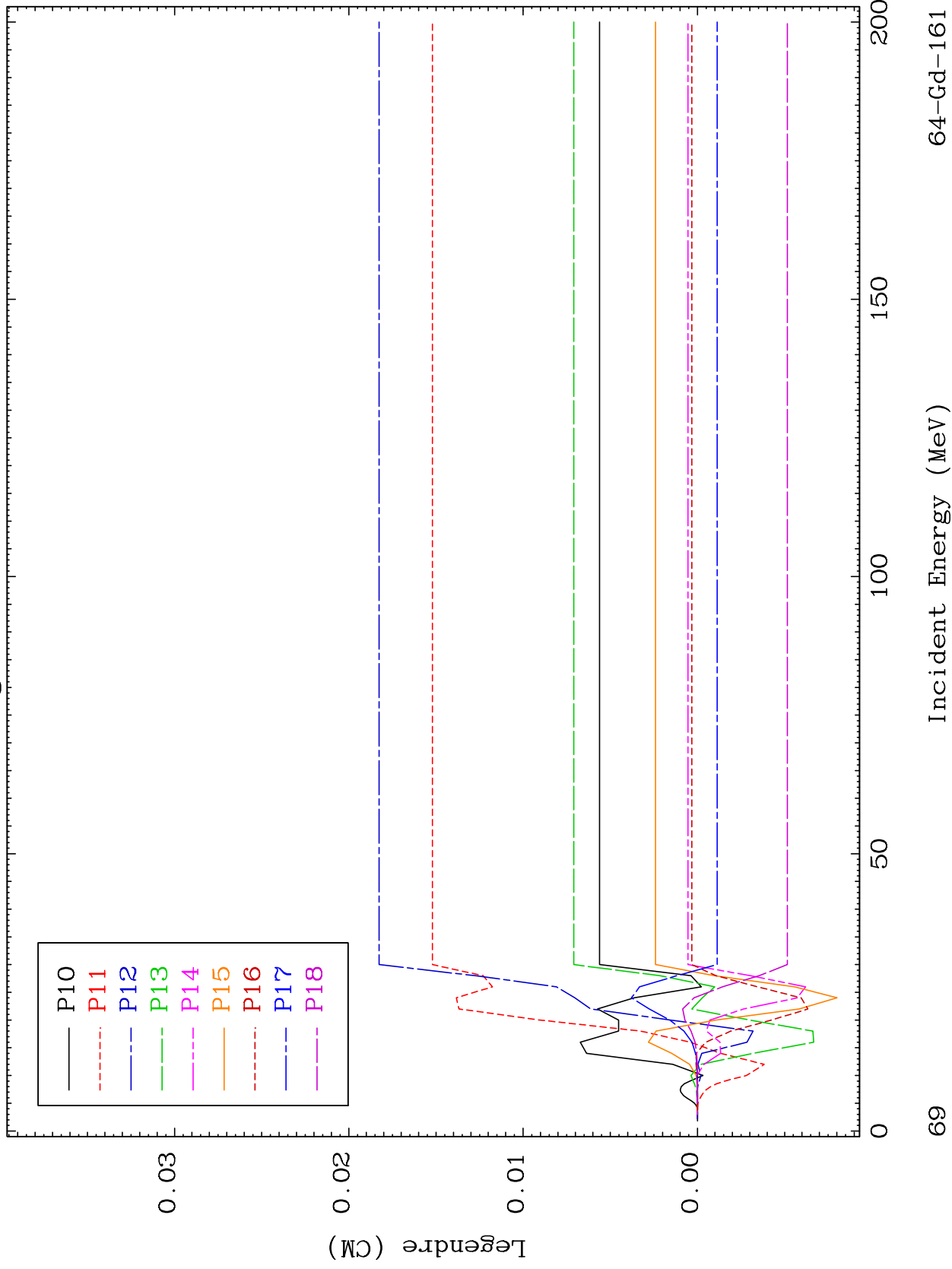
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



69

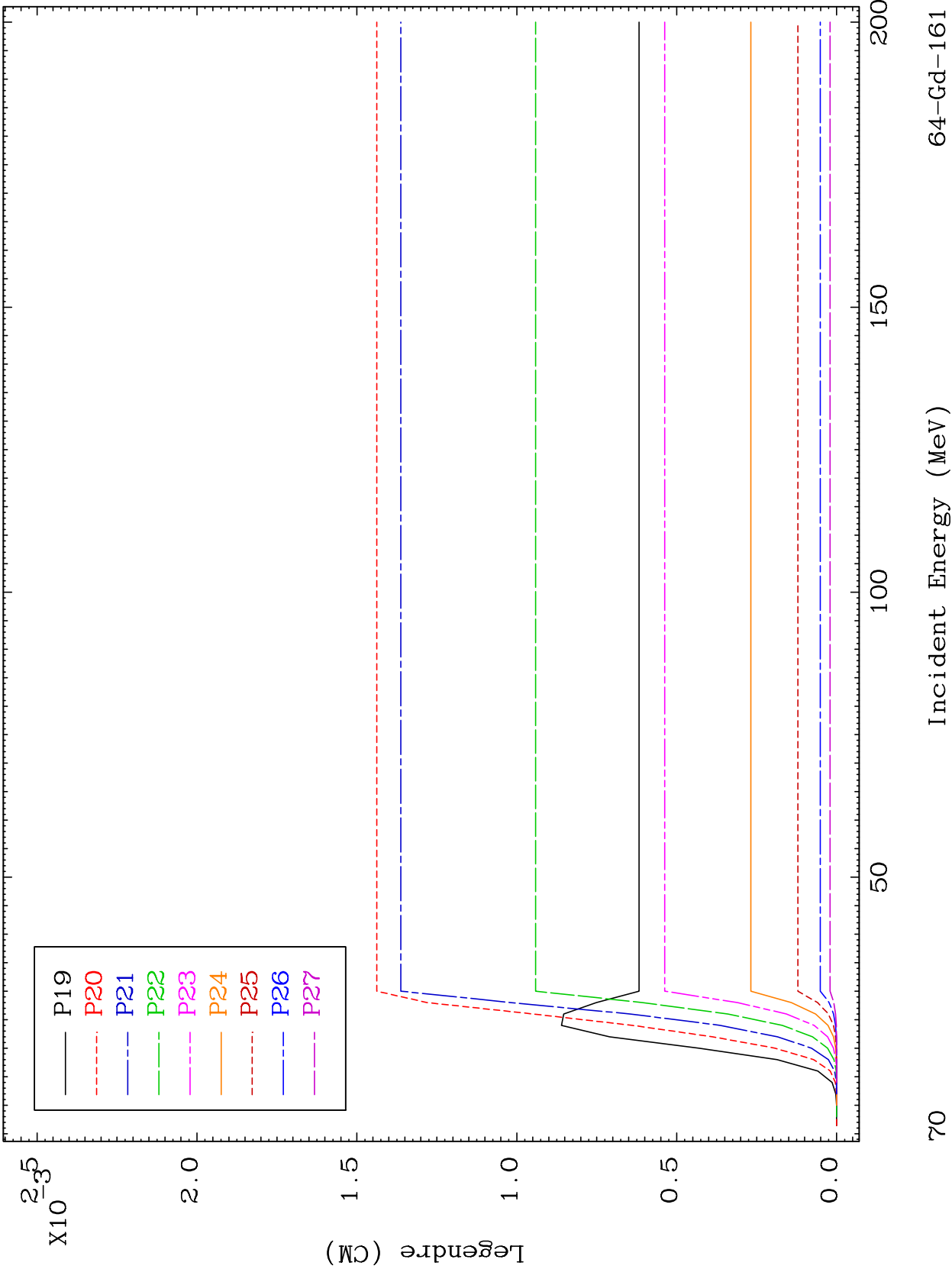
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



70

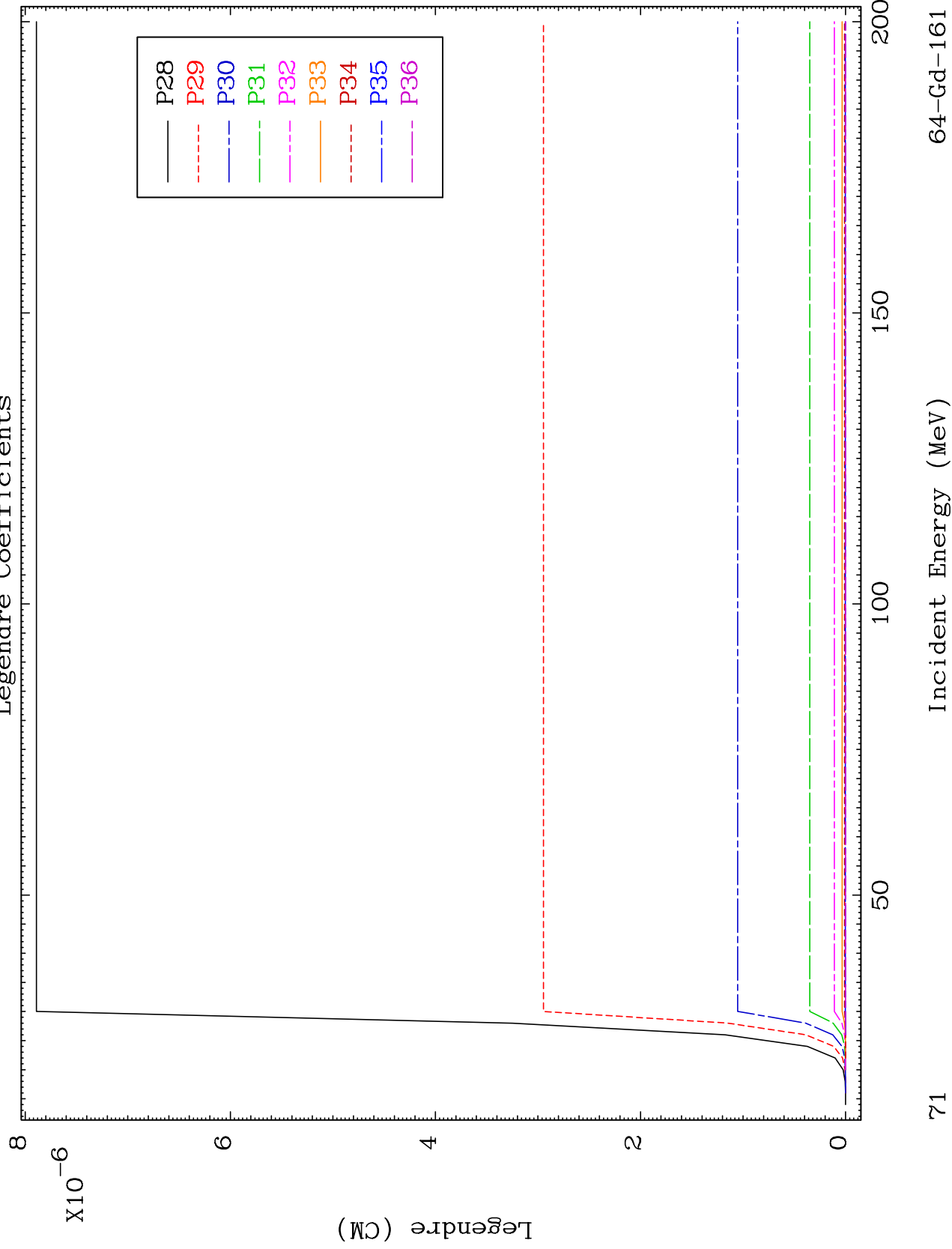
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

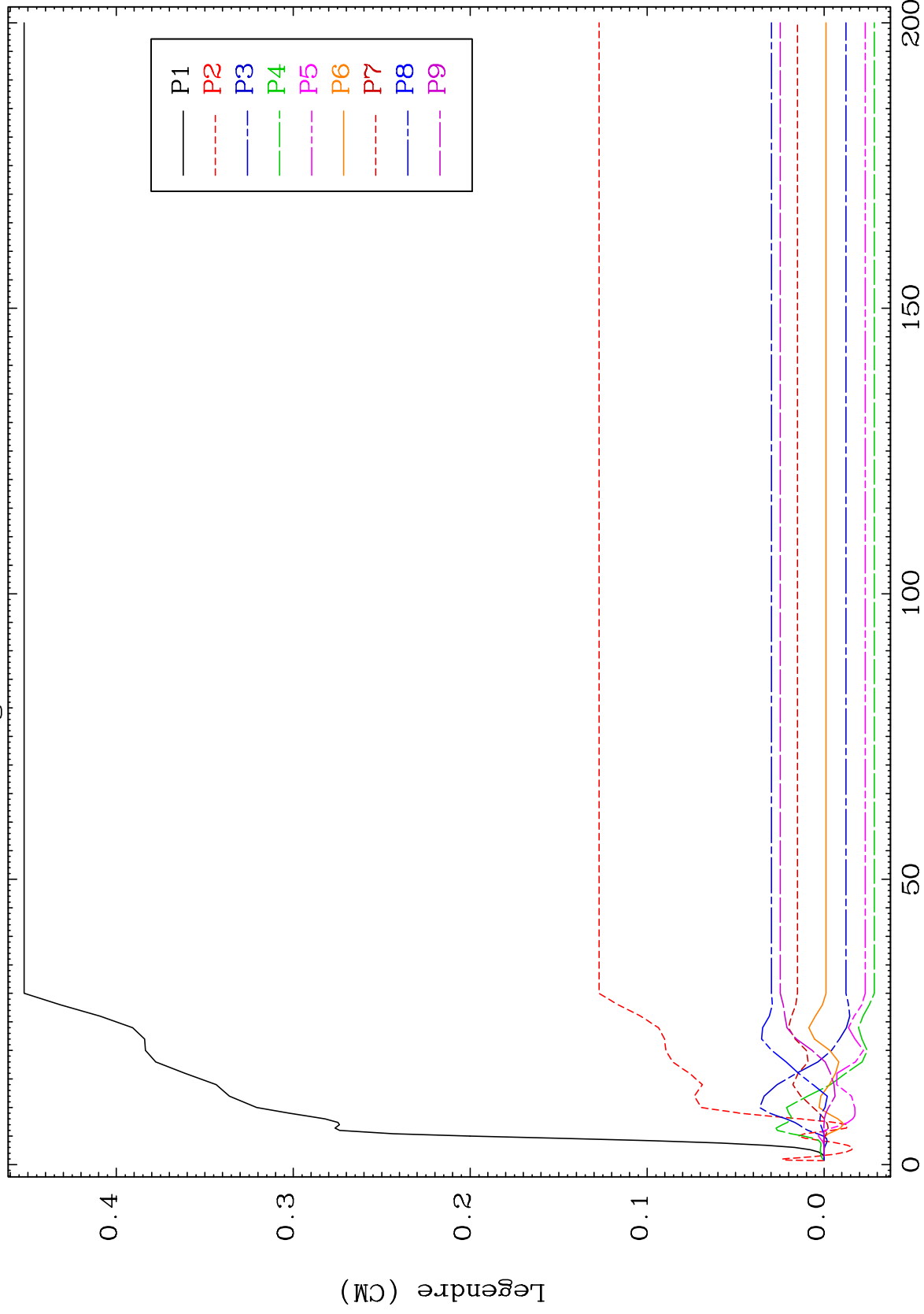
64-Gd-161



MAT 6452

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

64-Gd-161



72

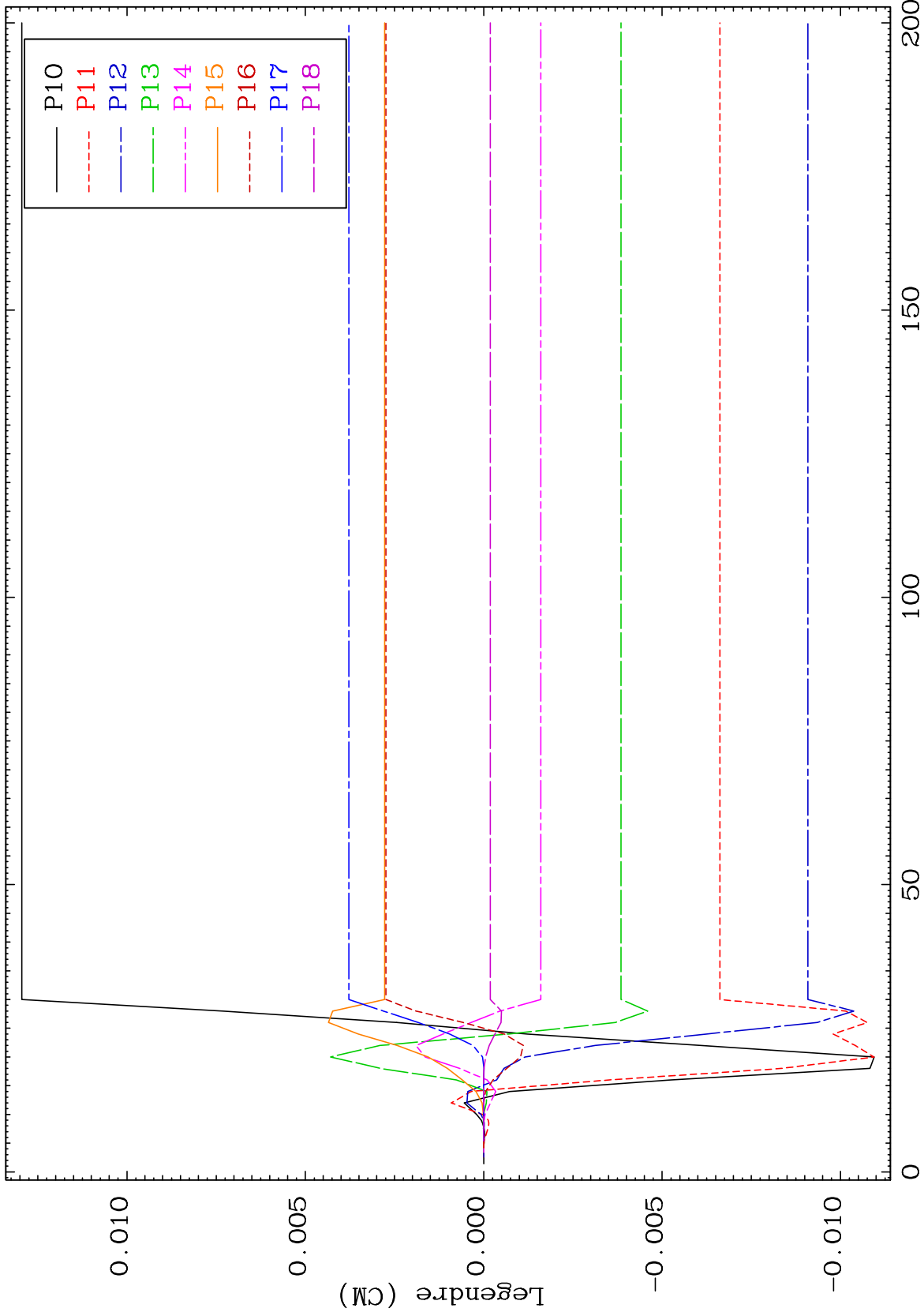
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



73

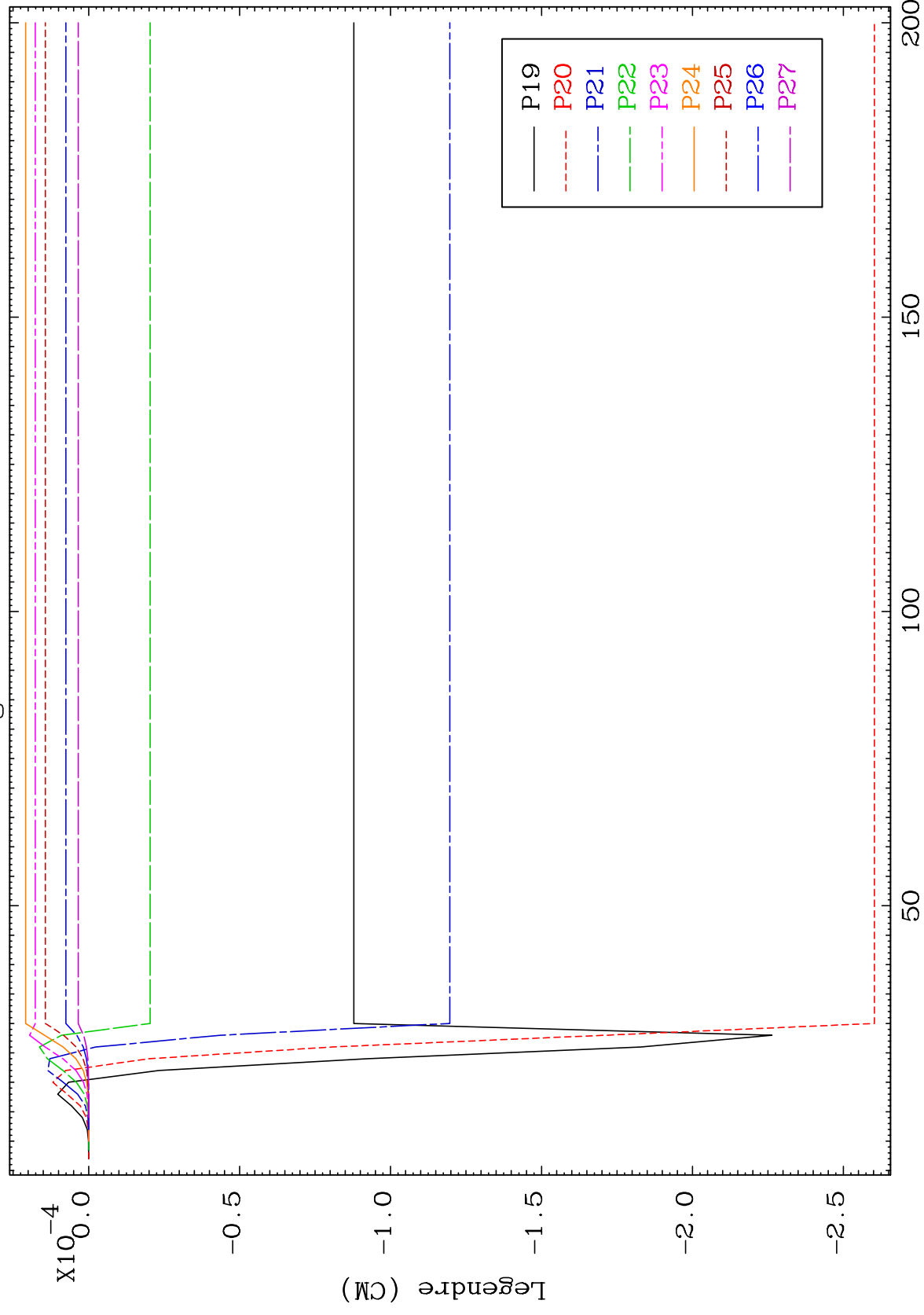
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



74

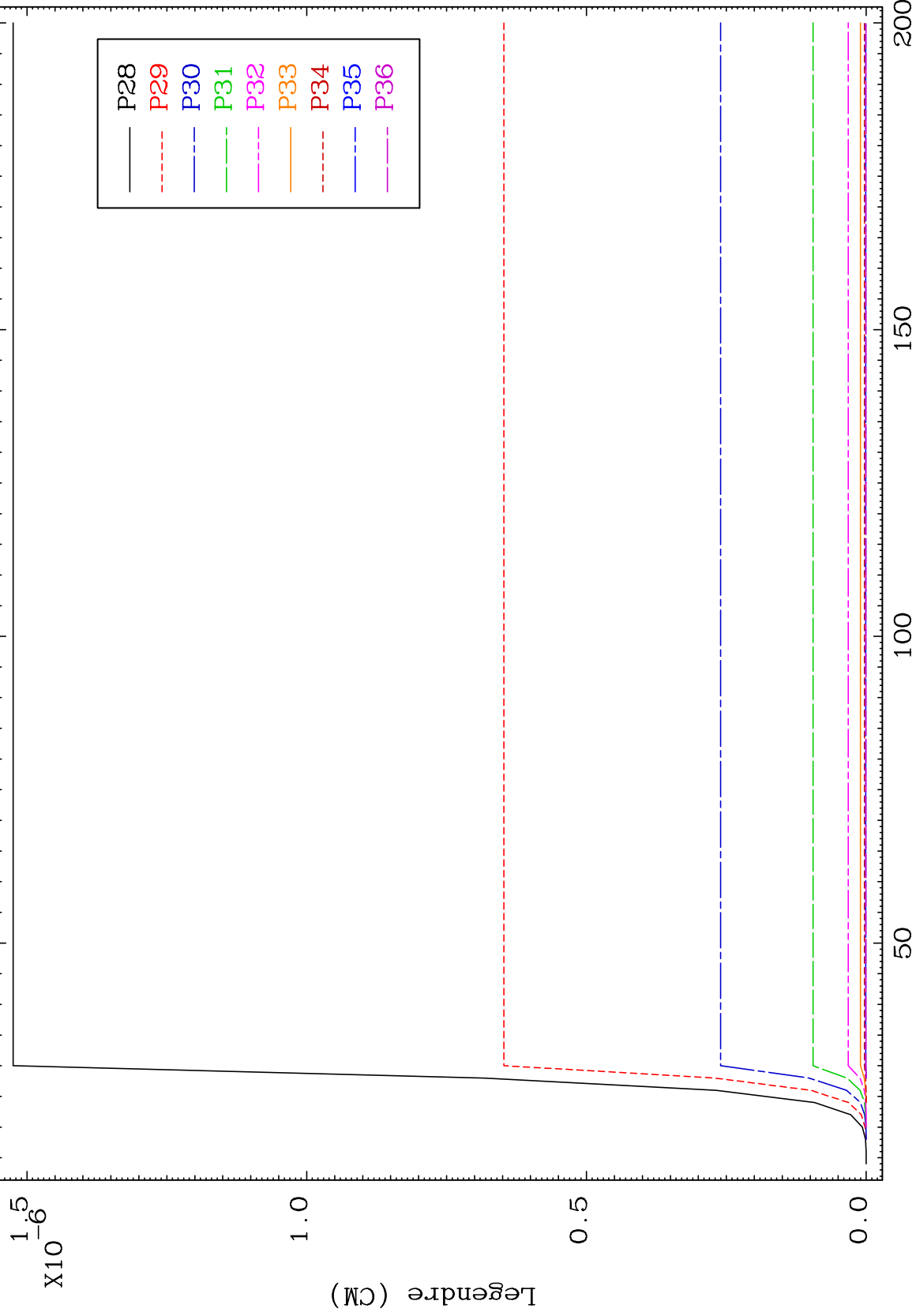
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



75

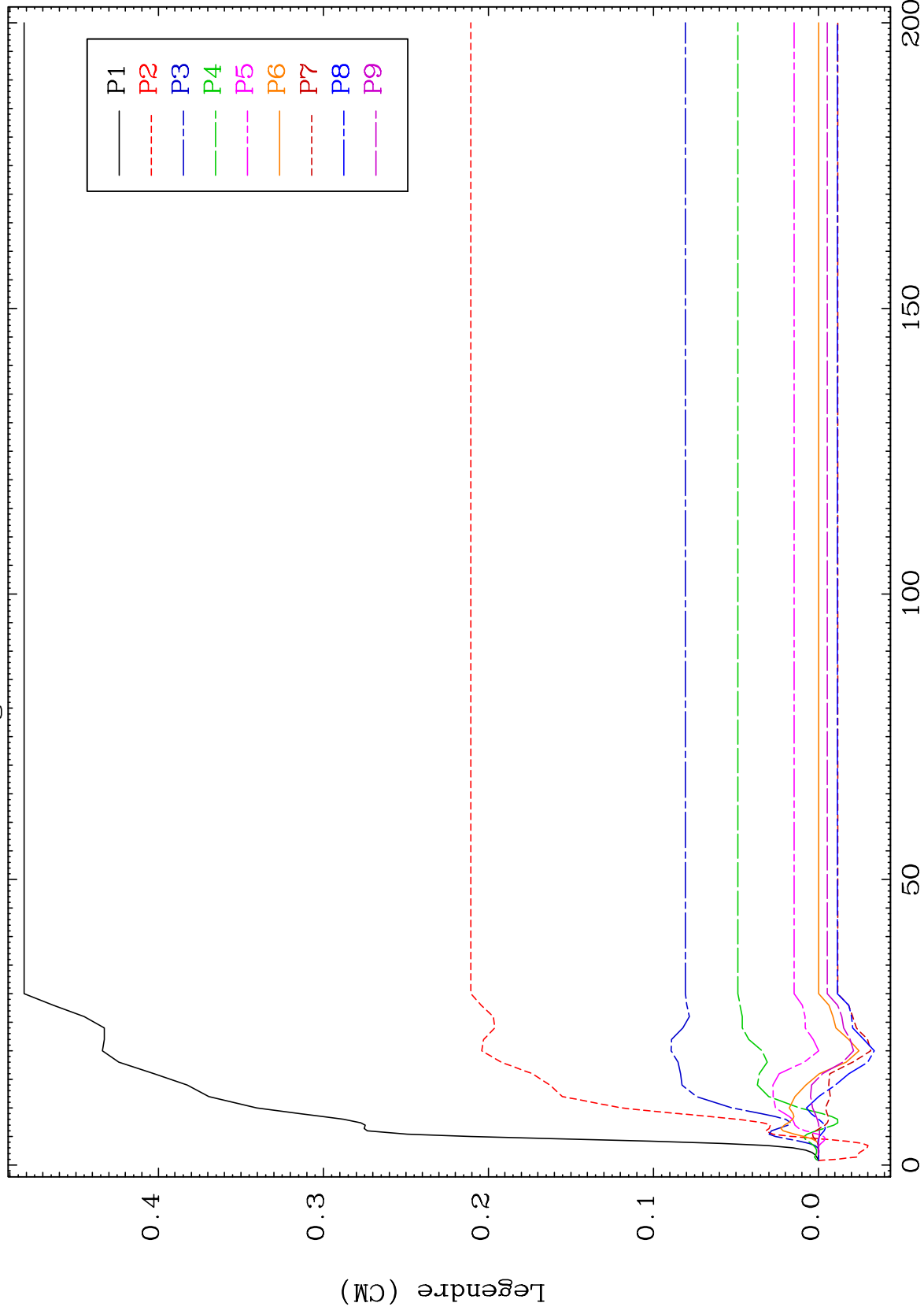
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



76

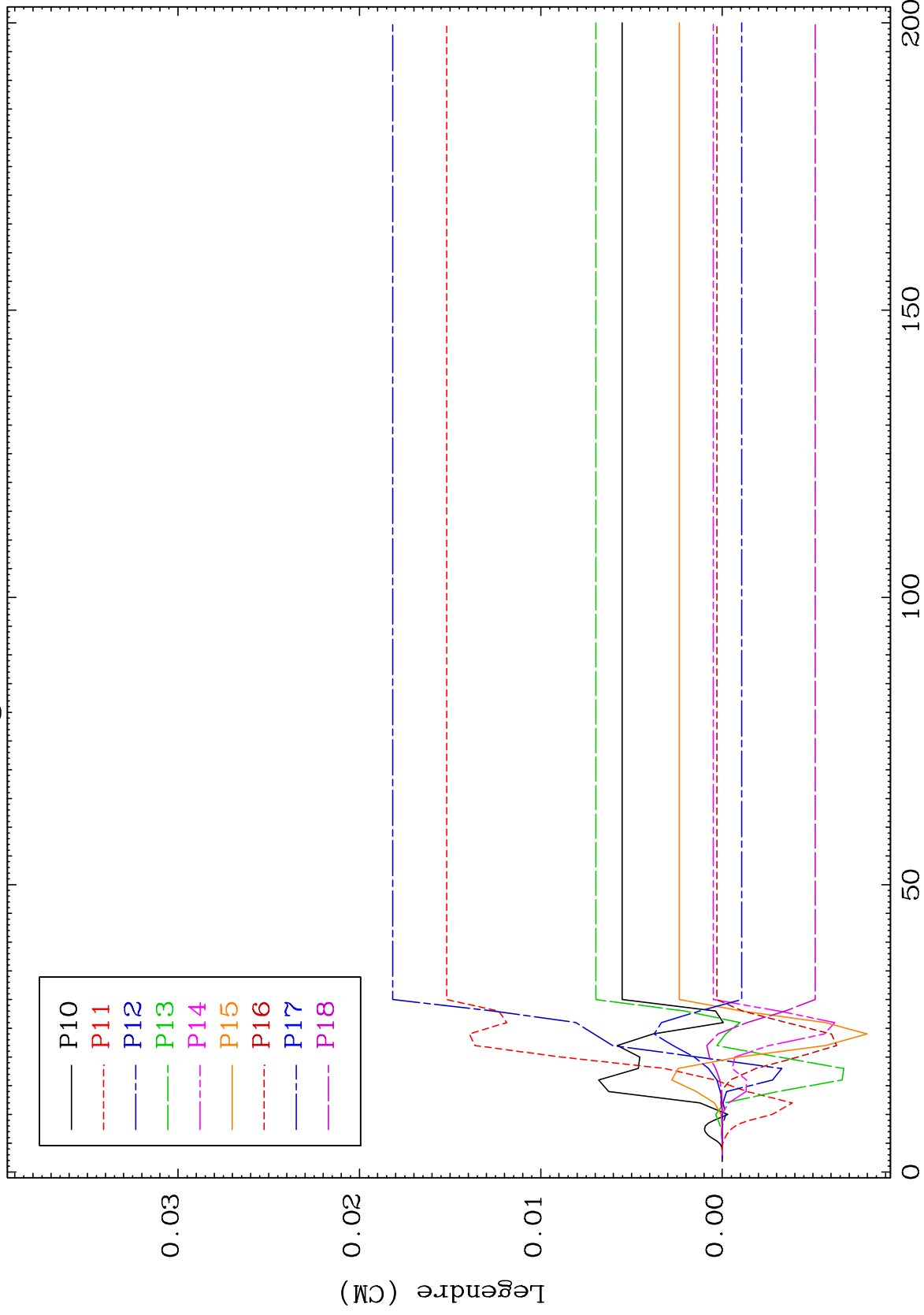
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



77

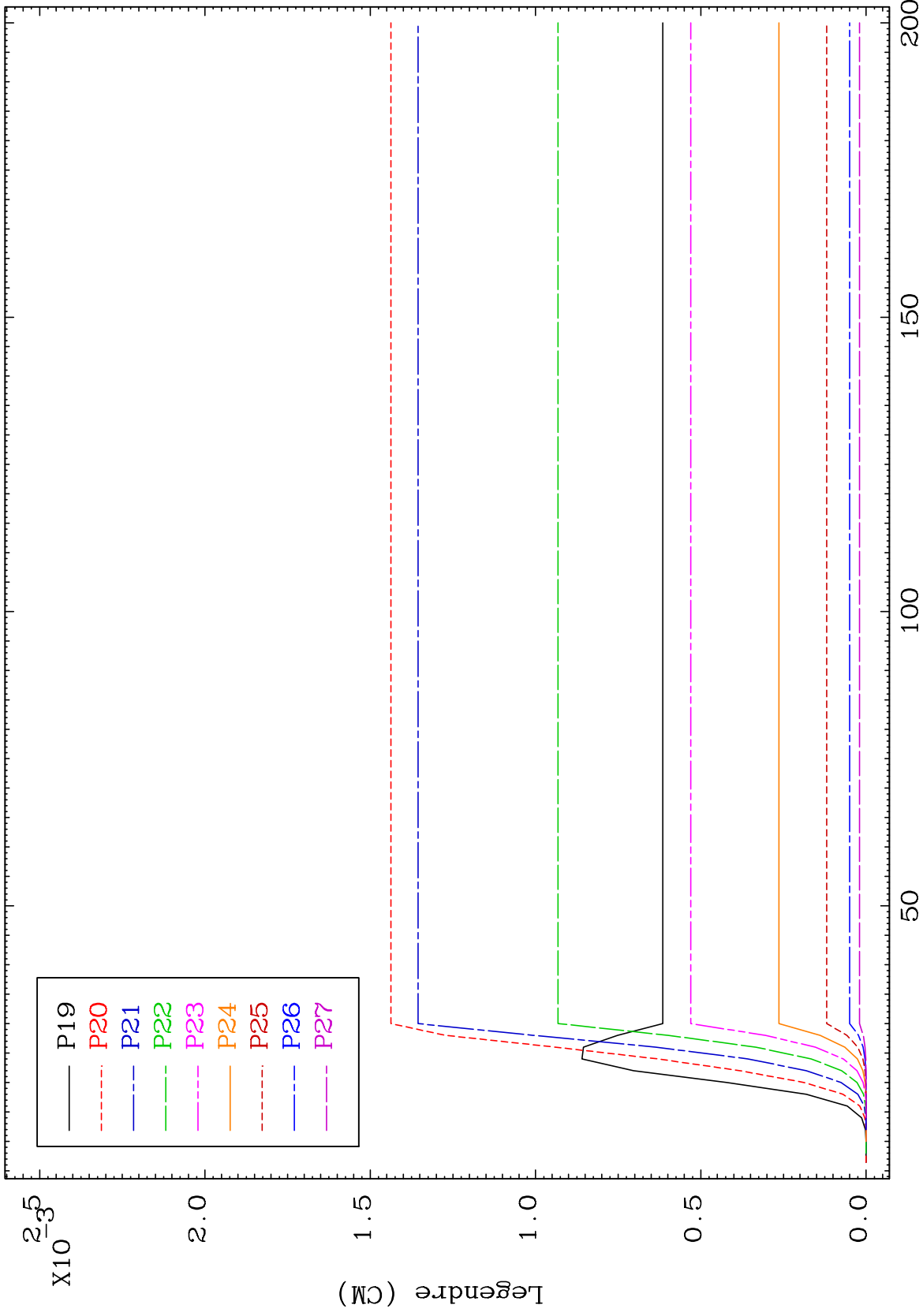
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



78

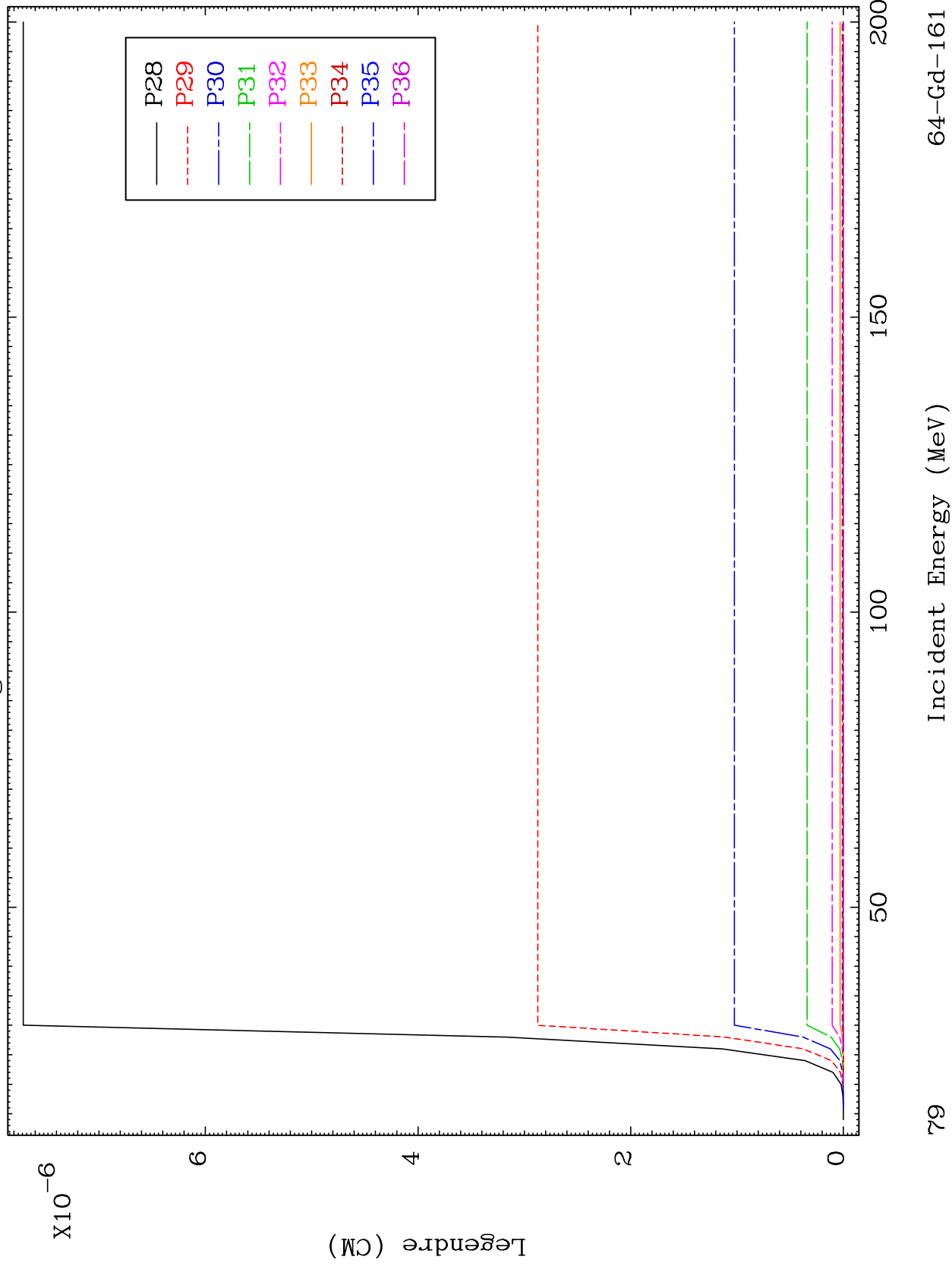
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



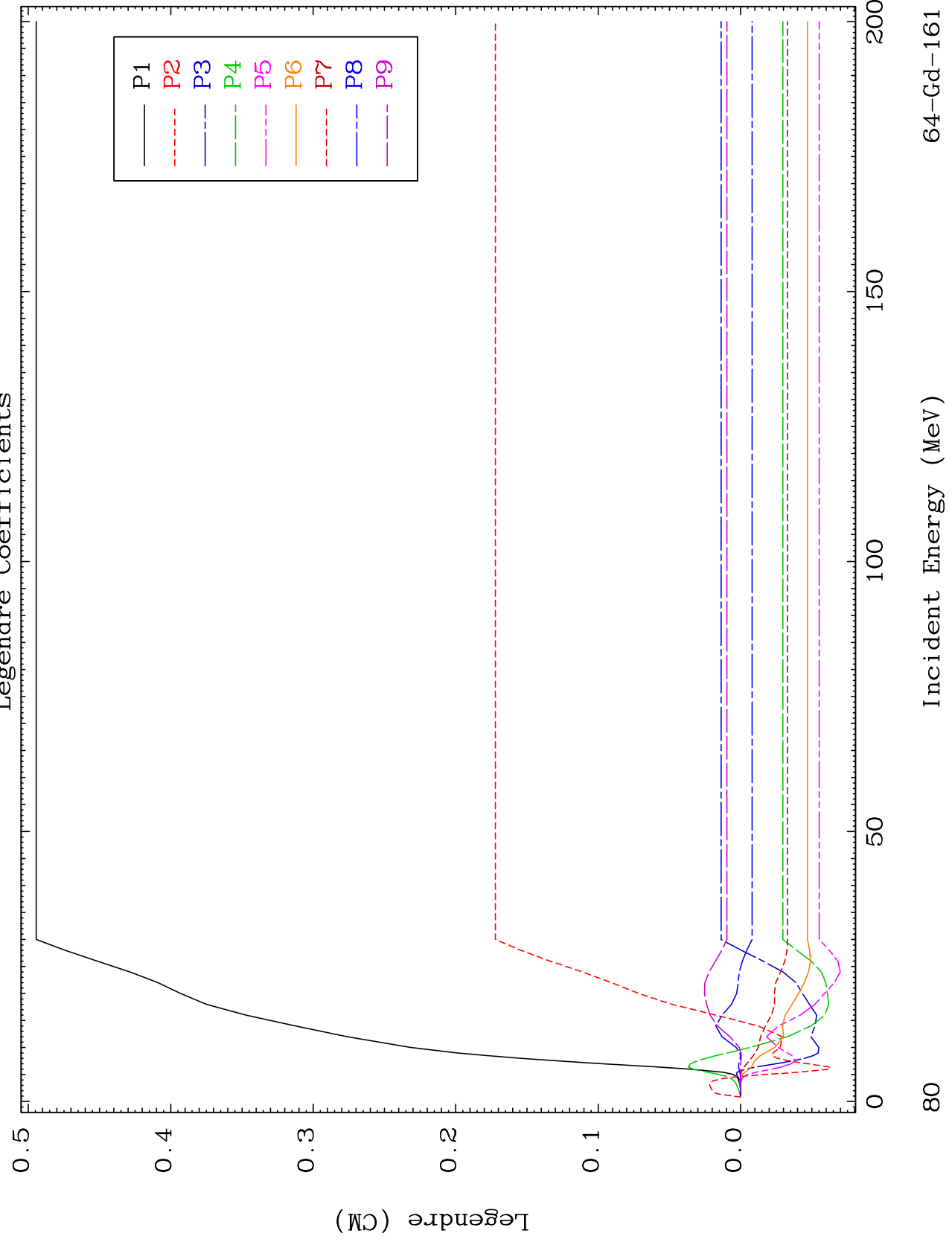
79

64-Gd-161

MAT 6452

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

64-Gd-161



64-Gd-161

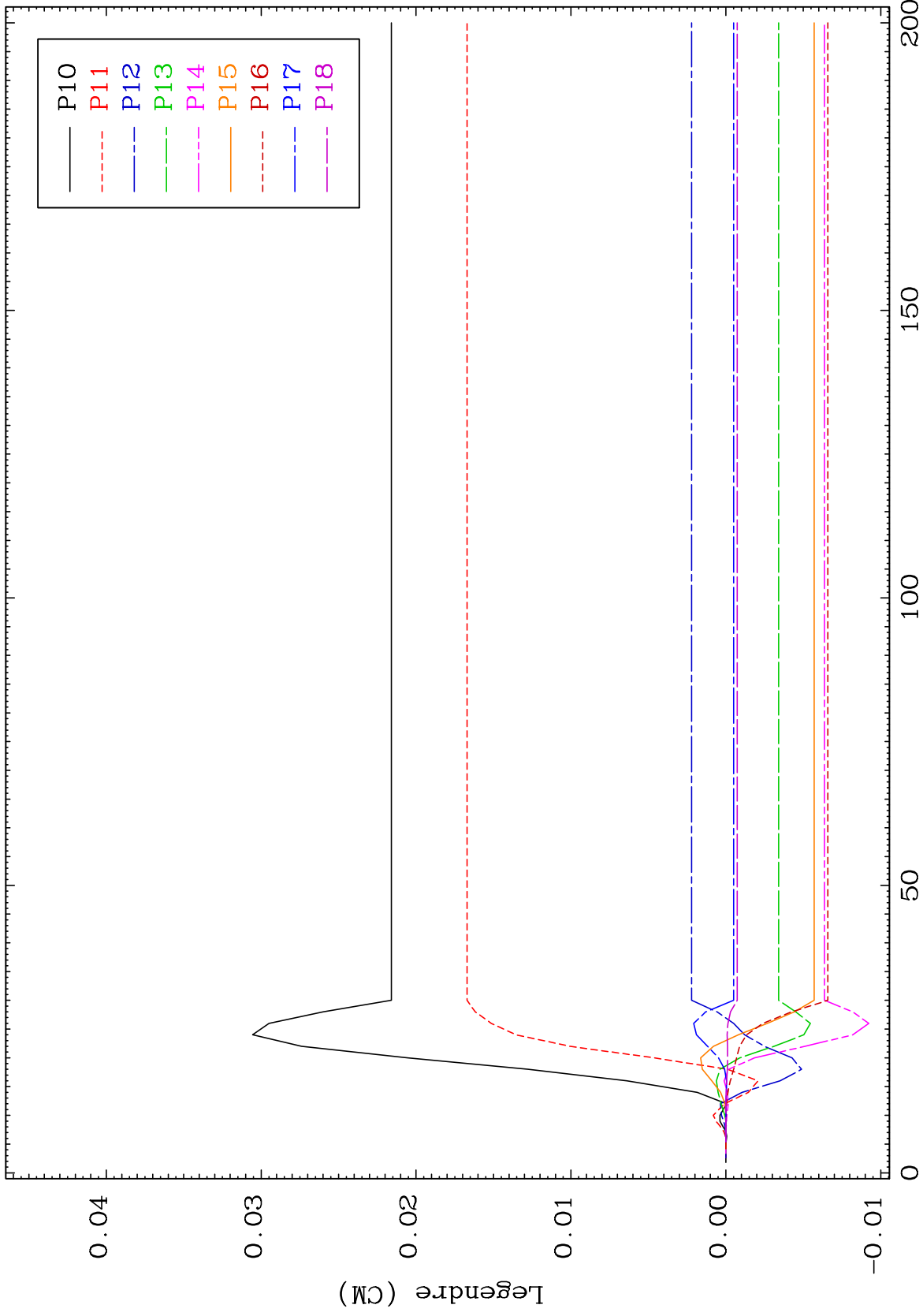
Incident Energy (MeV)

80

MAT 6452

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

64-Gd-161



81

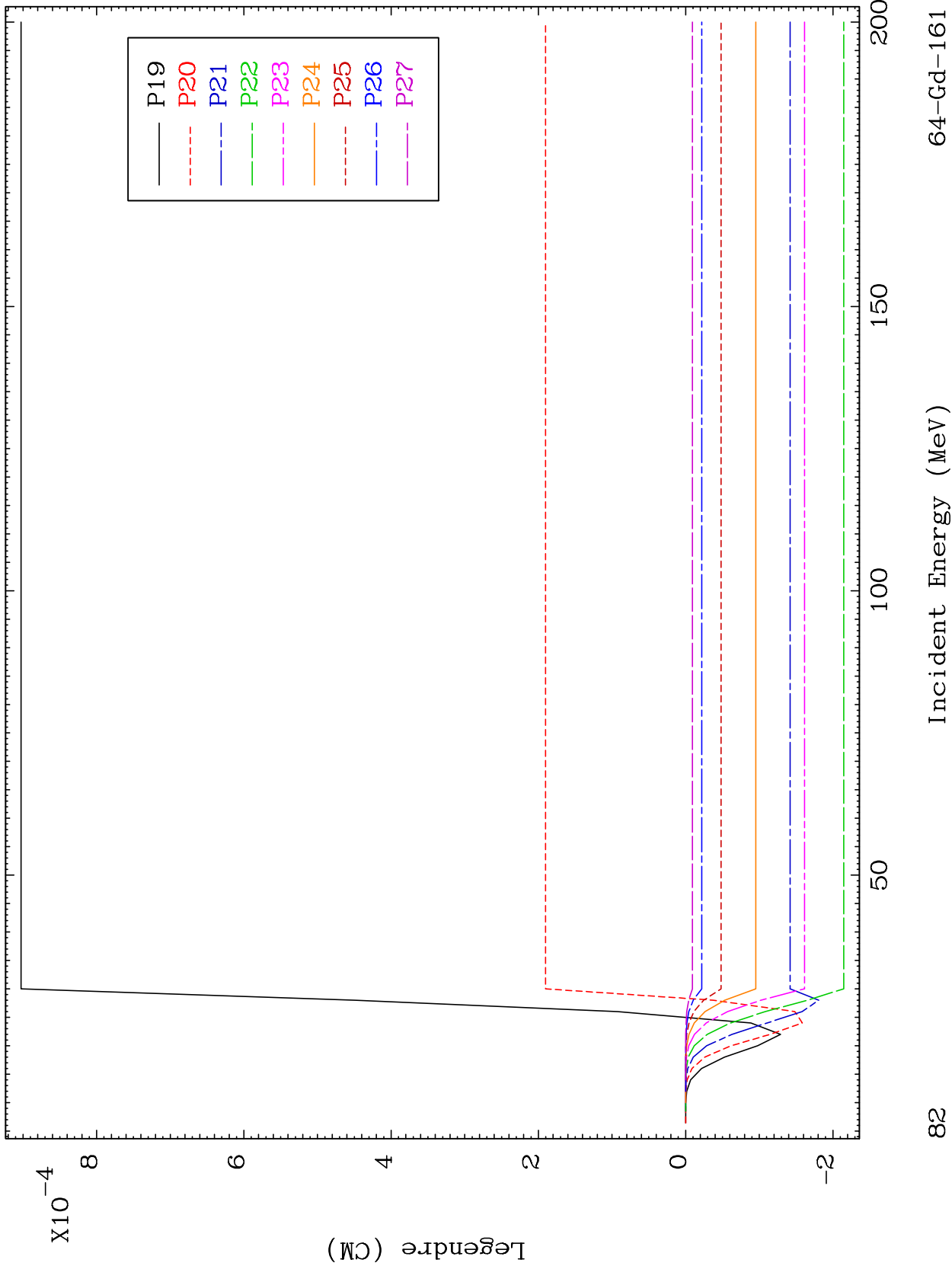
Incident Energy (MeV)

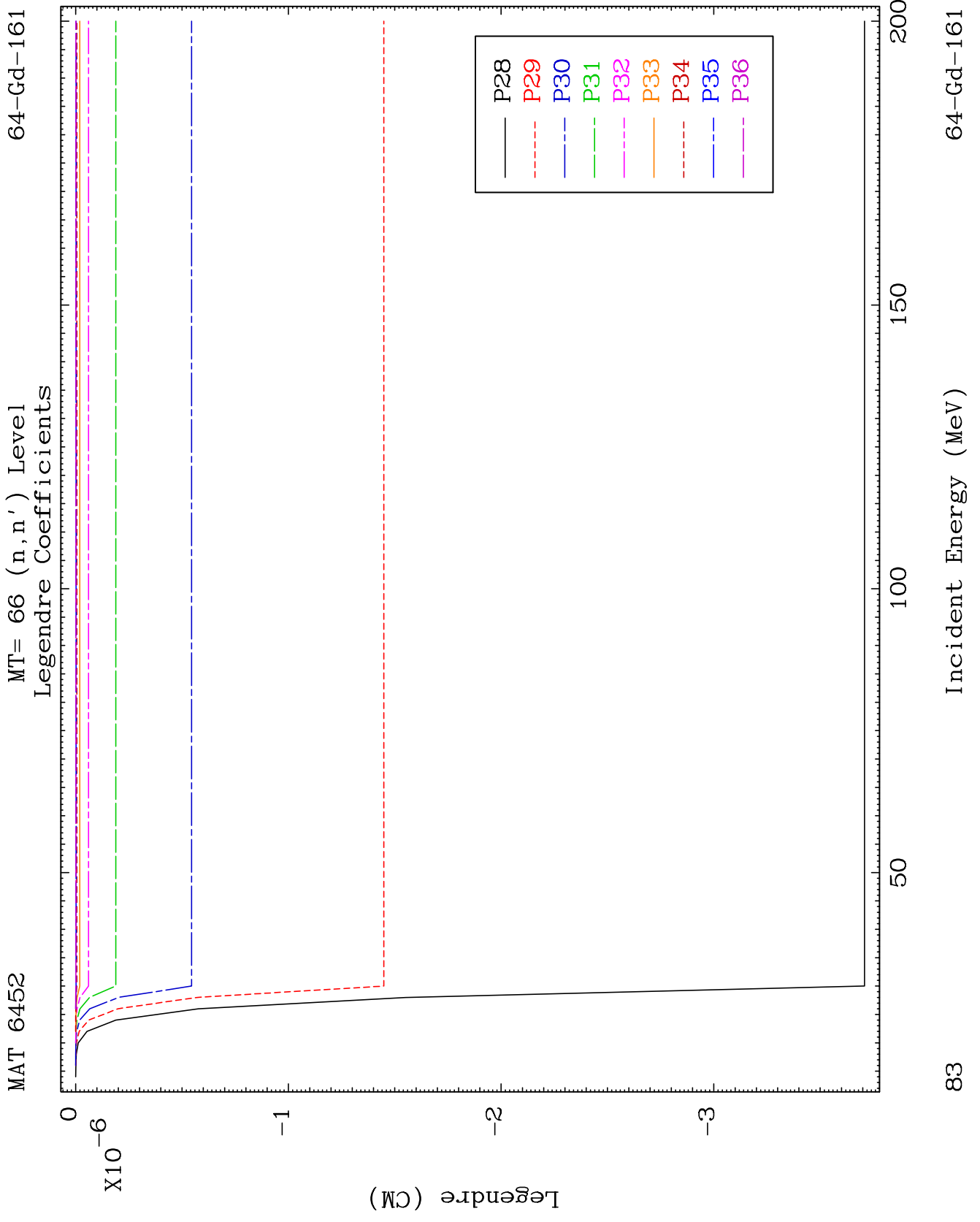
64-Gd-161

MAT 6452

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

64-Gd-161



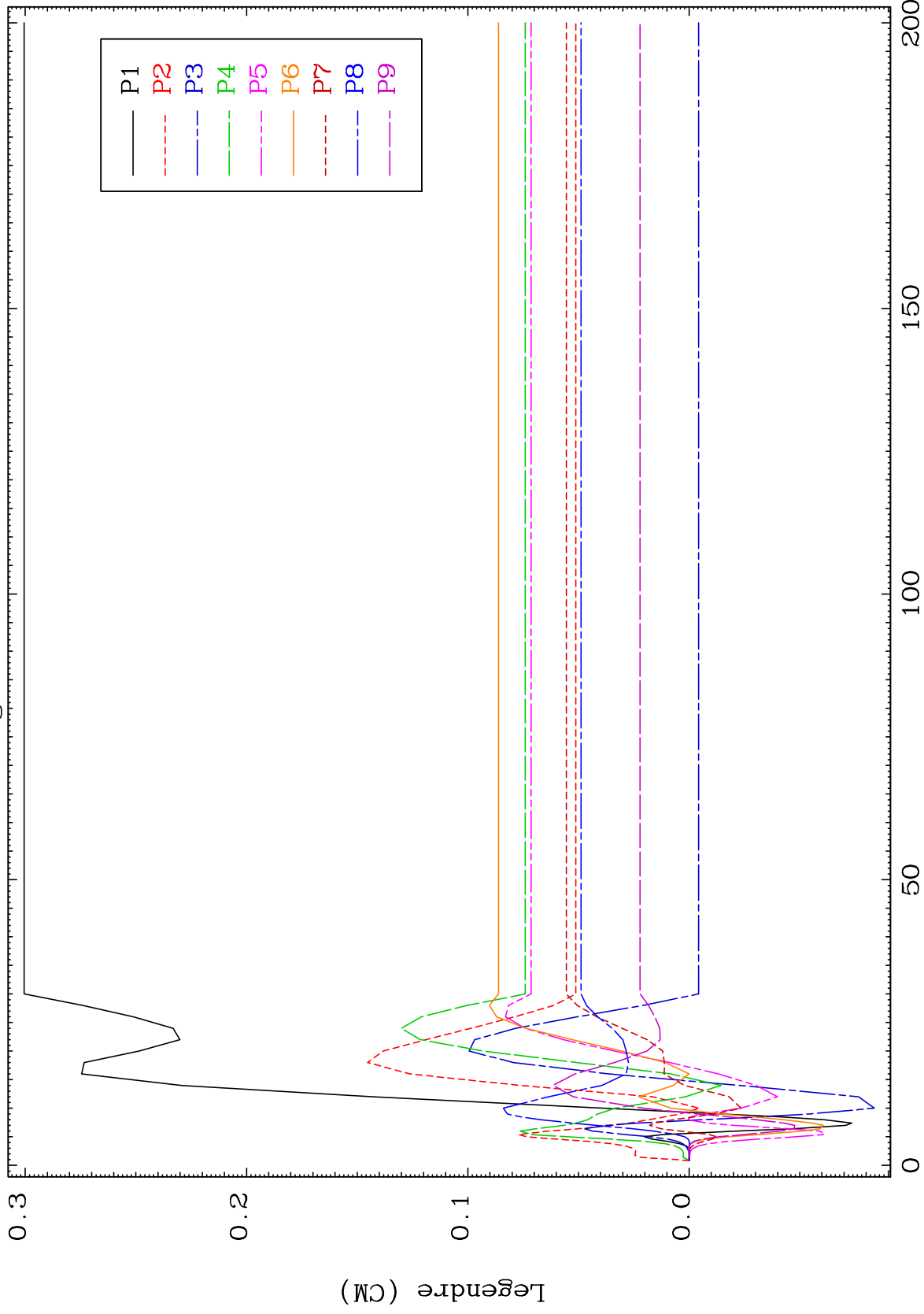


MAT 6452

MT= 67 (n,n') Level

64-Gd-161

Legendre Coefficients



84

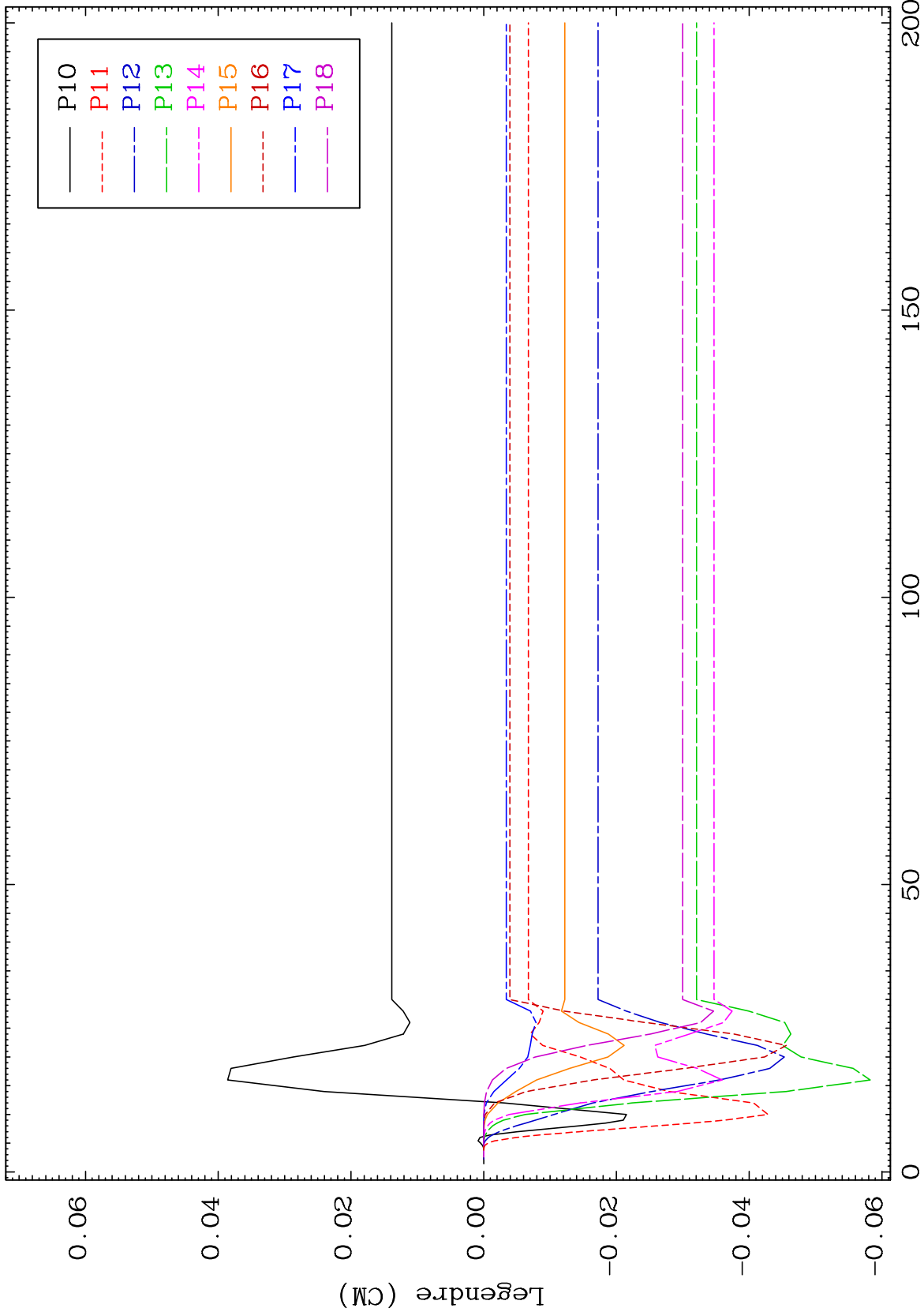
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



85

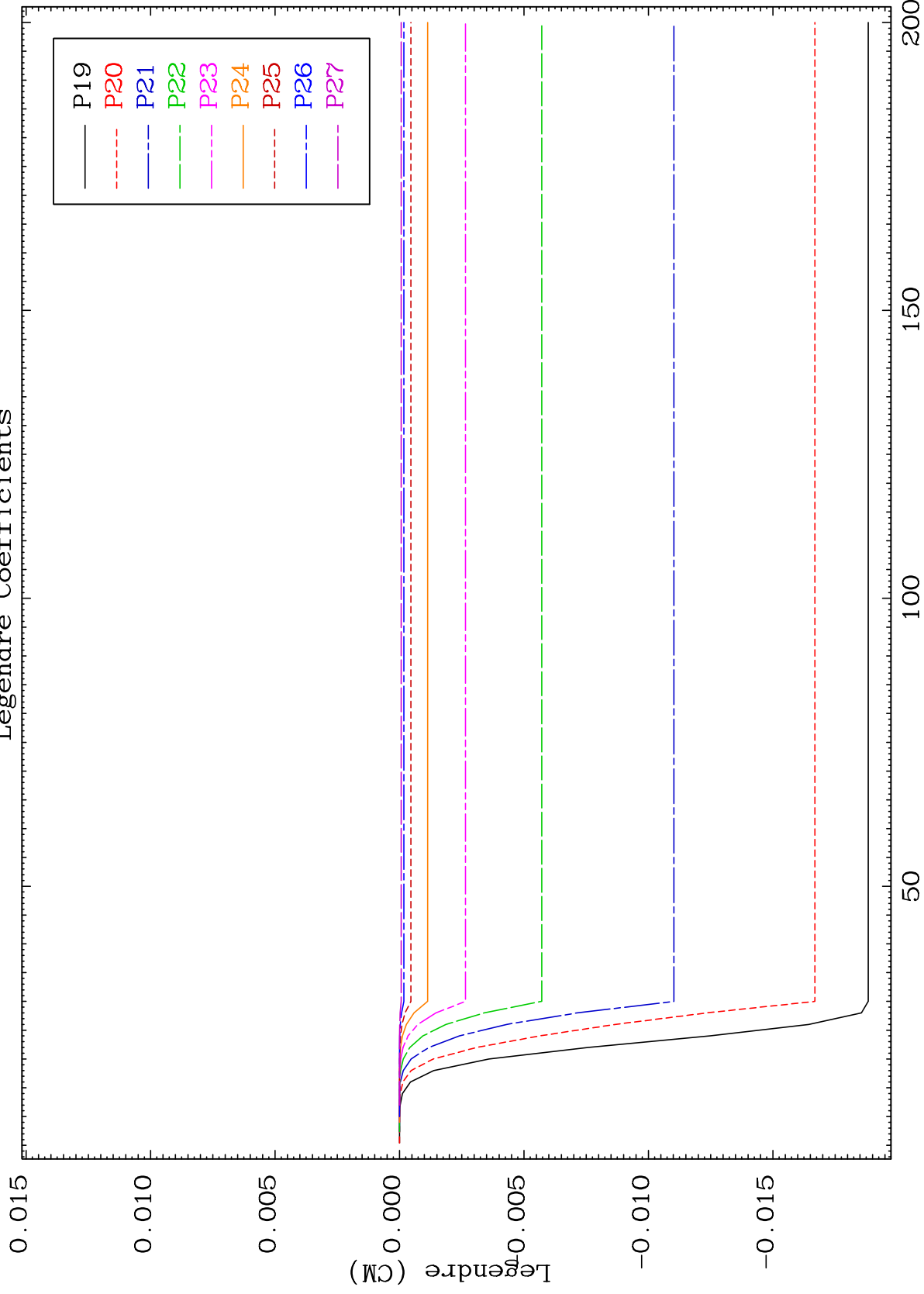
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

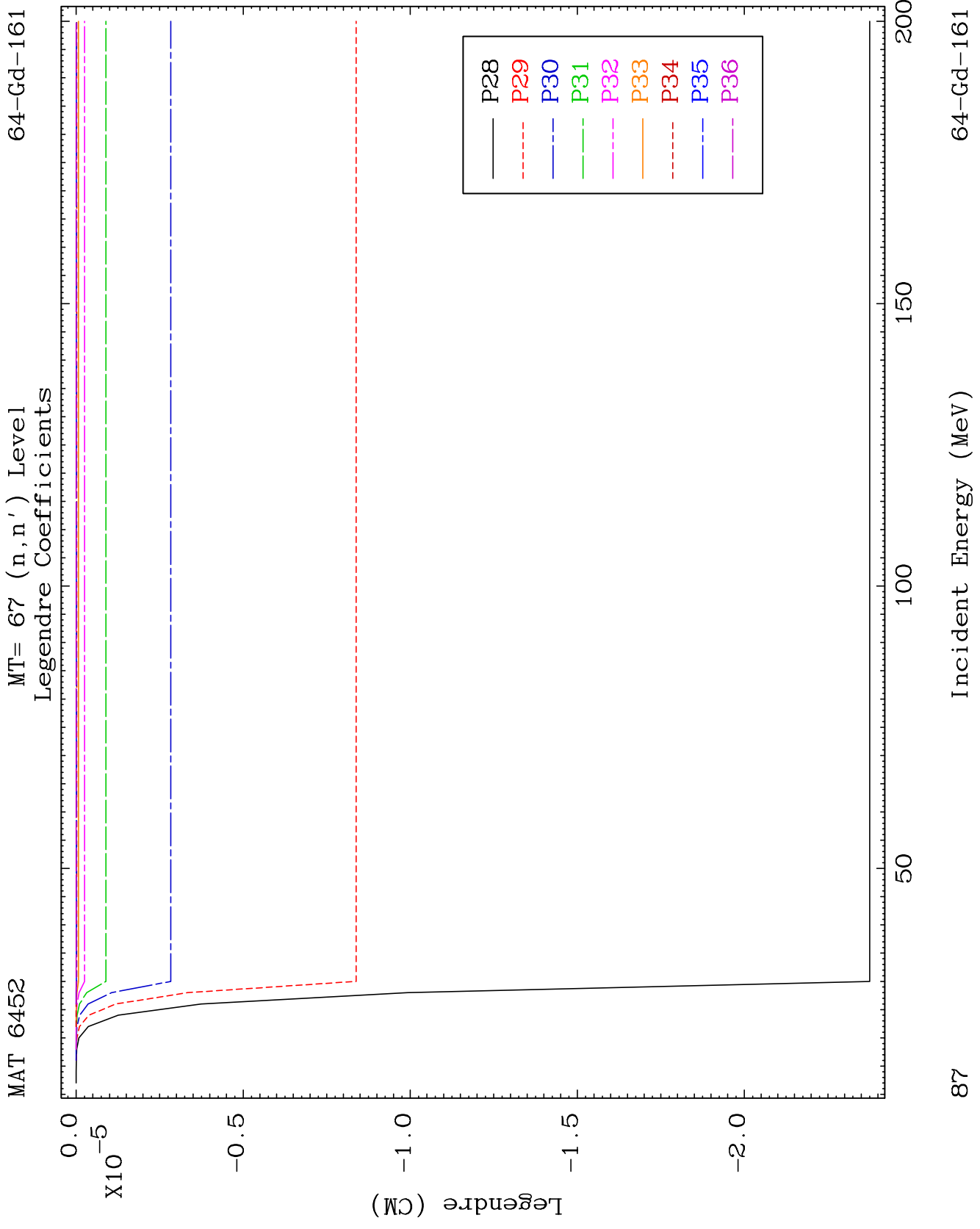
64-Gd-161



86

Incident Energy (MeV)

64-Gd-161

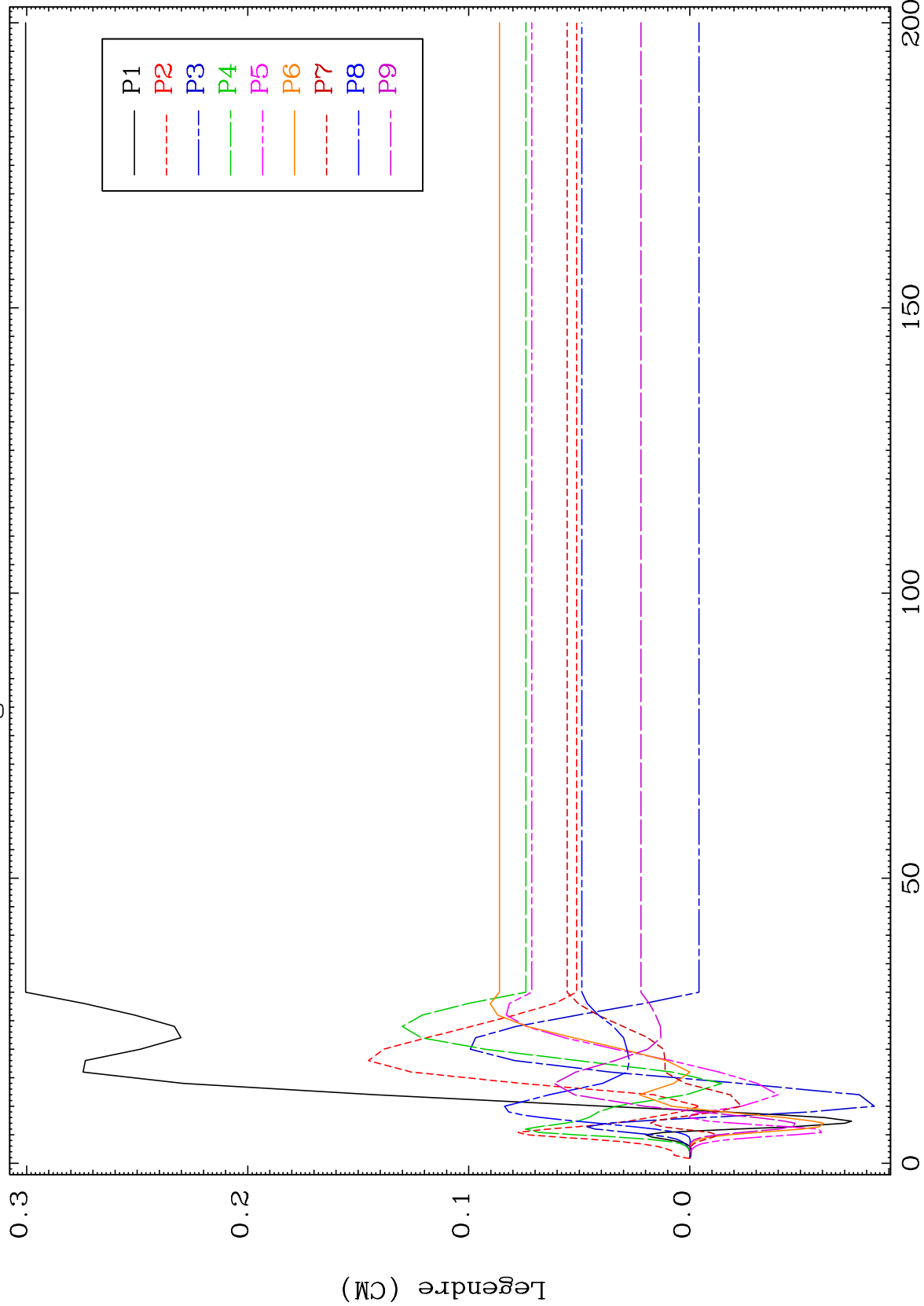


MAT 6452

MT= 68 (n,n') Level

64-Gd-161

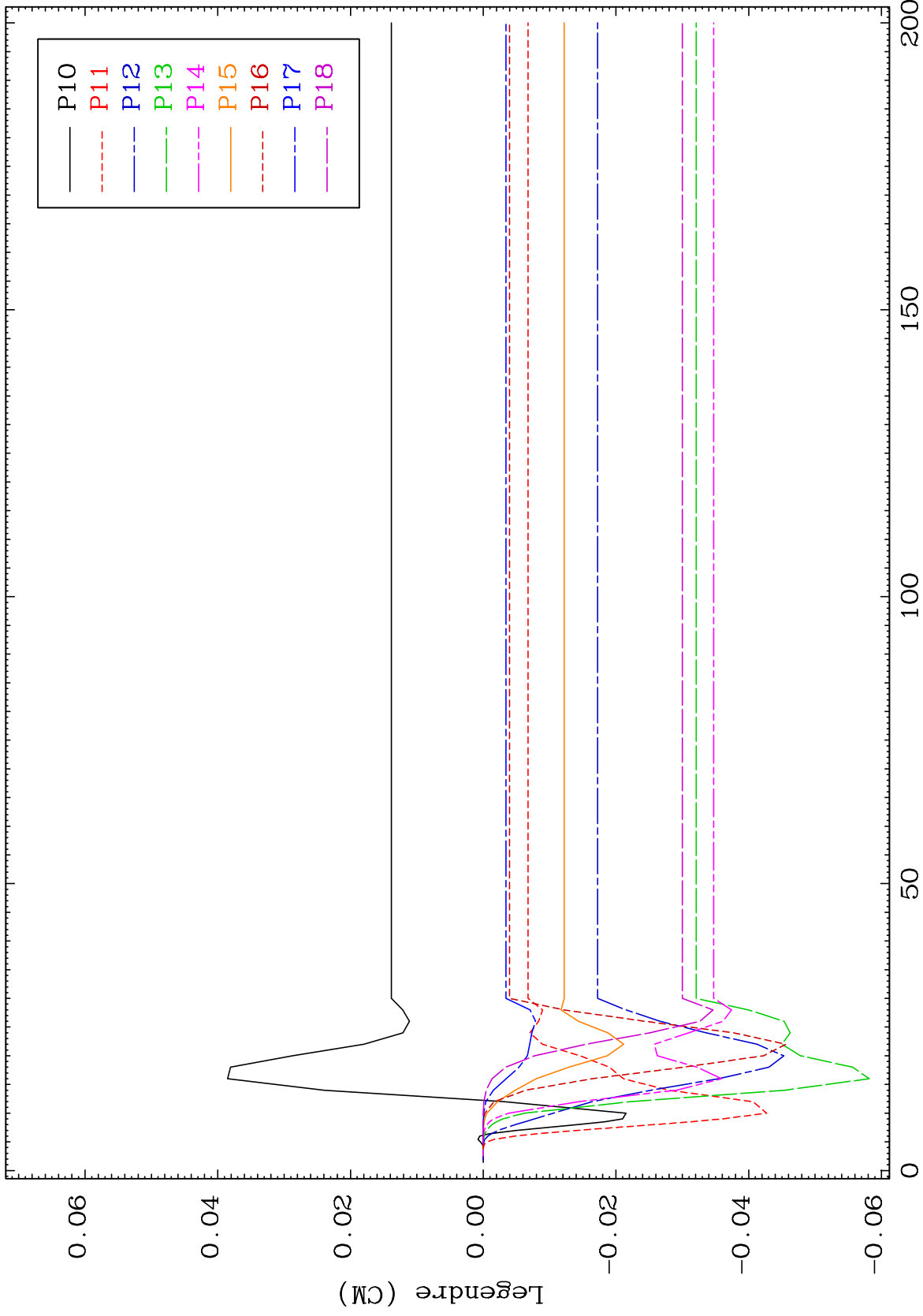
Legendre Coefficients



MAT 6452

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

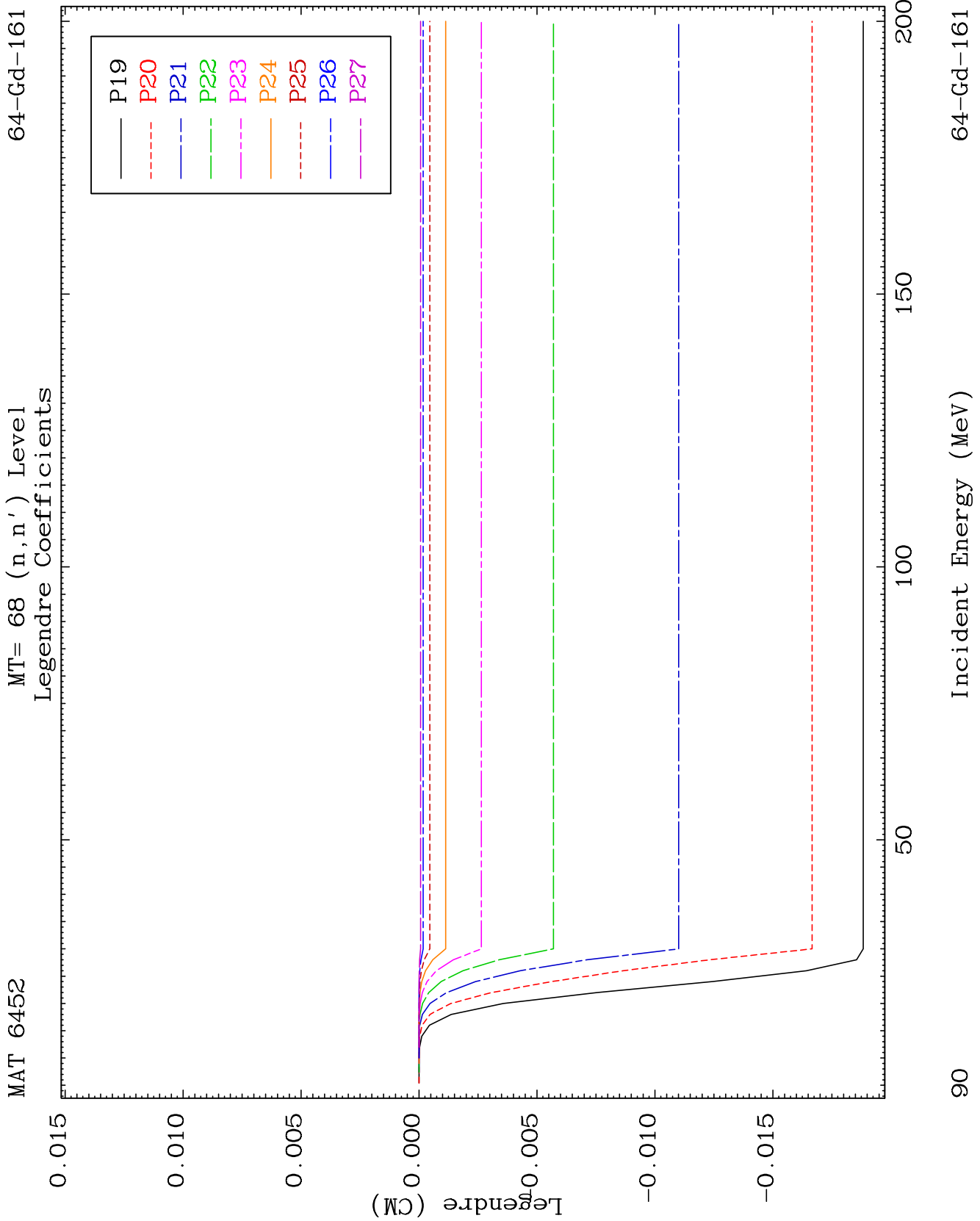
64-Gd-161

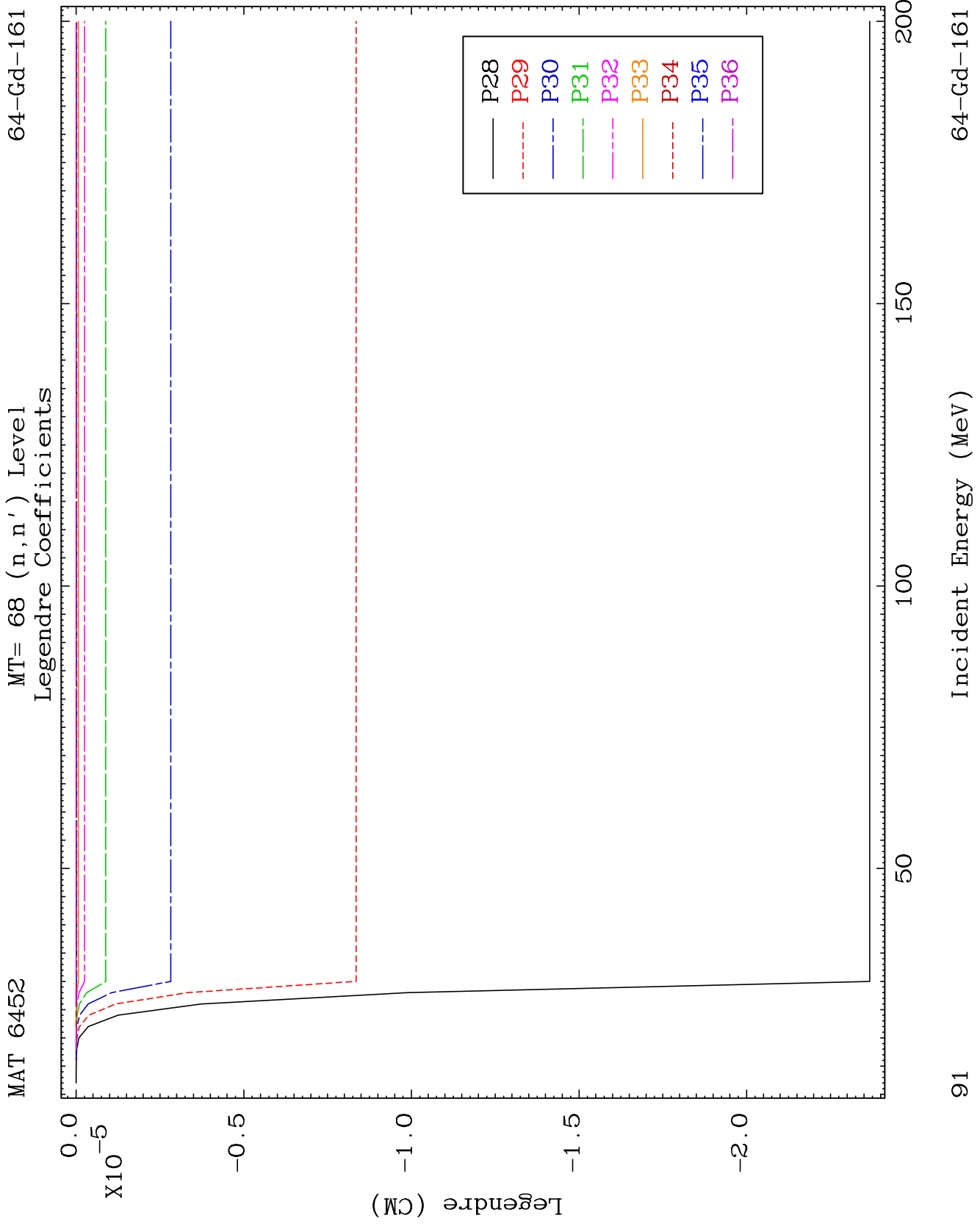


89

Incident Energy (MeV)

64-Gd-161

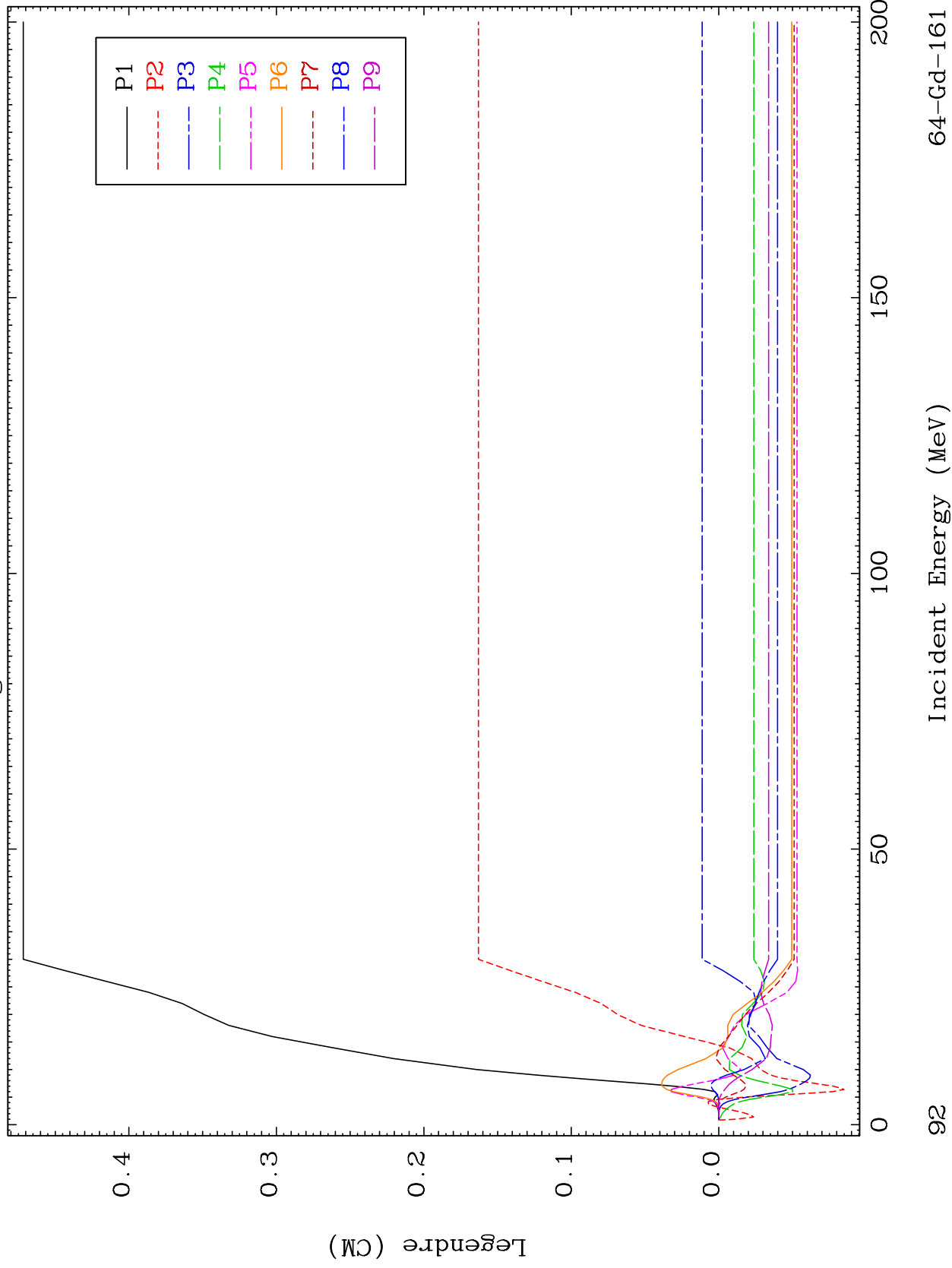




MAT 6452

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

64-Gd-161



64-Gd-161

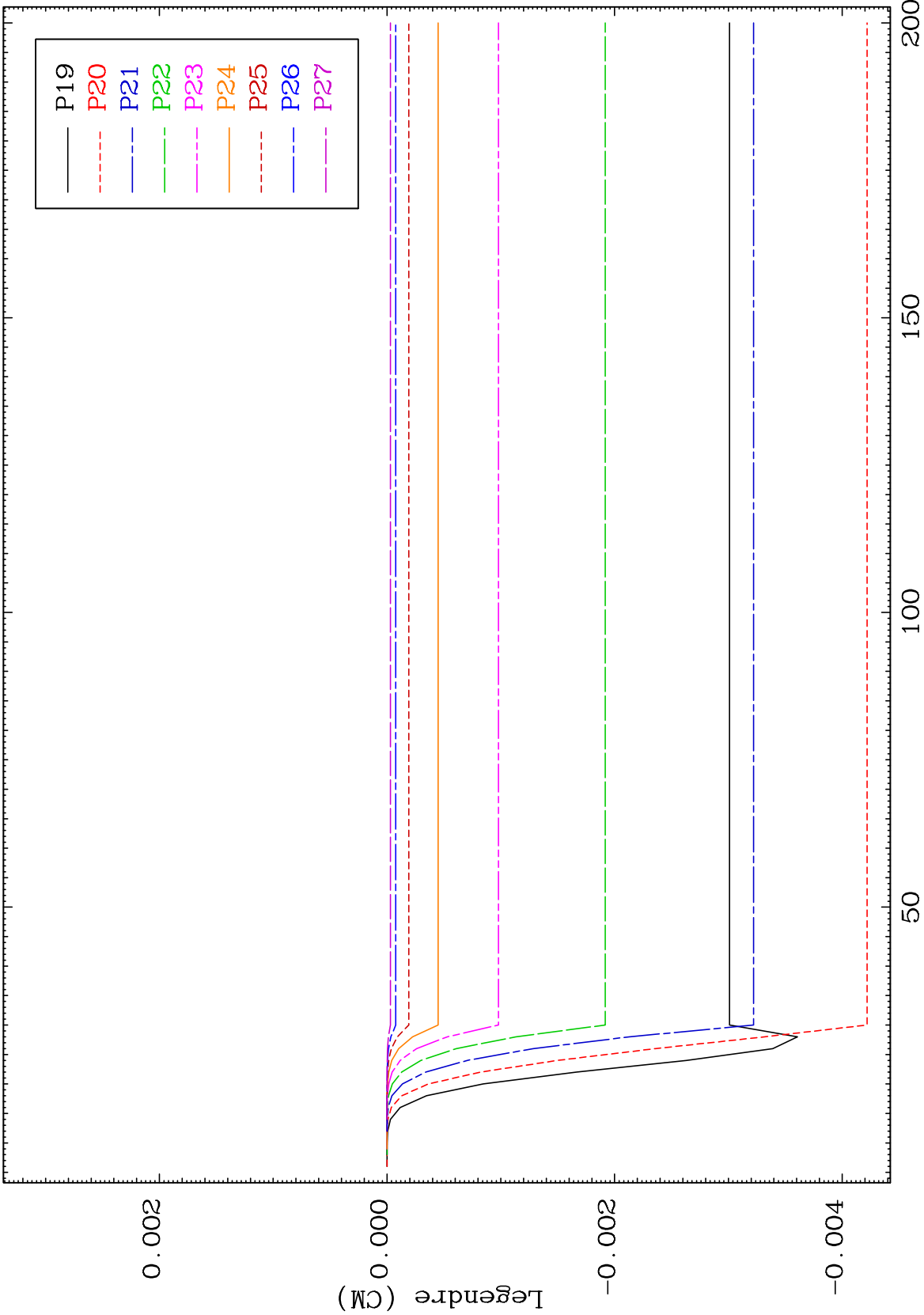
Incident Energy (MeV)

92

MAT 6452

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

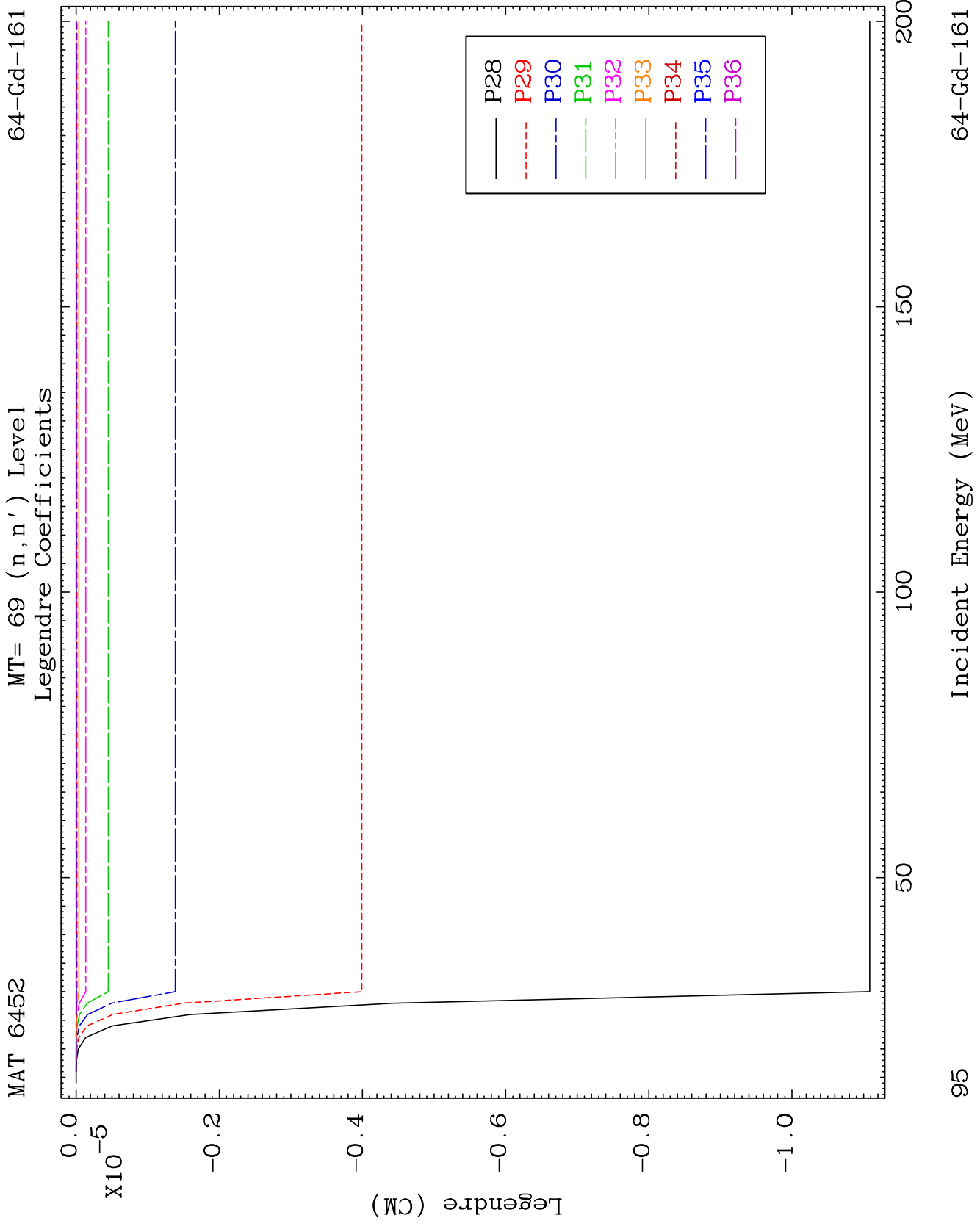
64-Gd-161



94

Incident Energy (MeV)

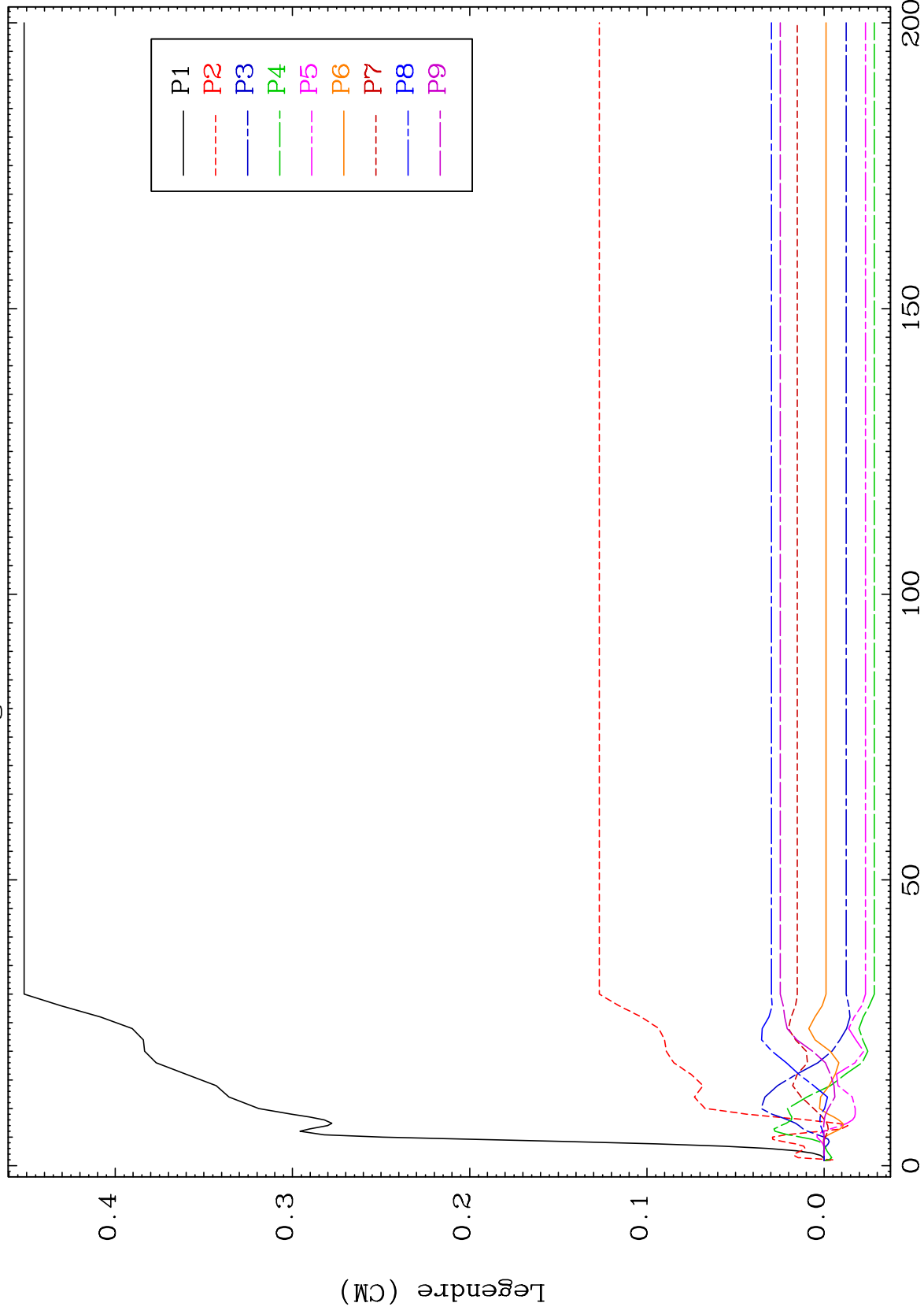
64-Gd-161



MAT 6452

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

64-Gd-161



96

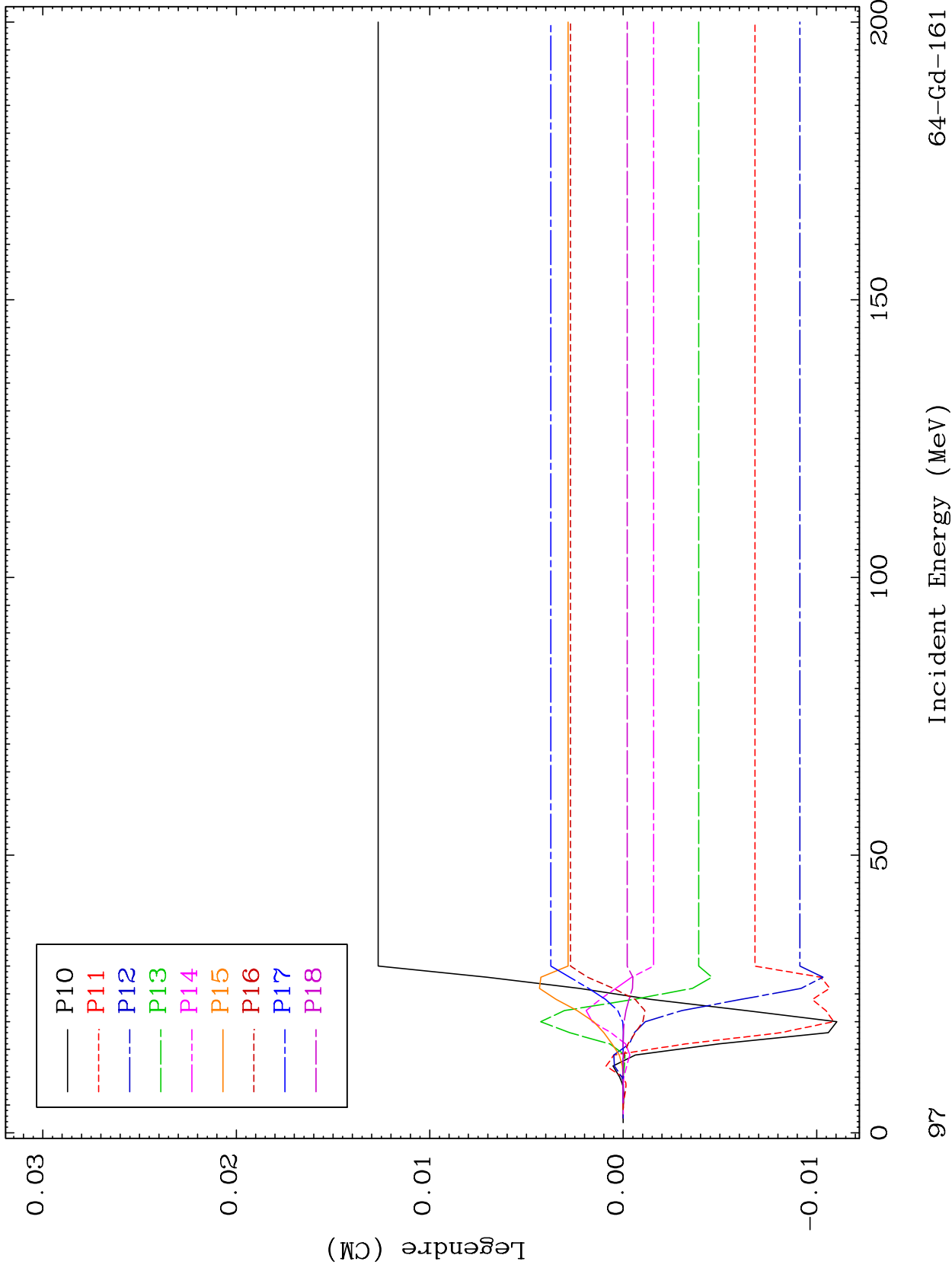
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



97

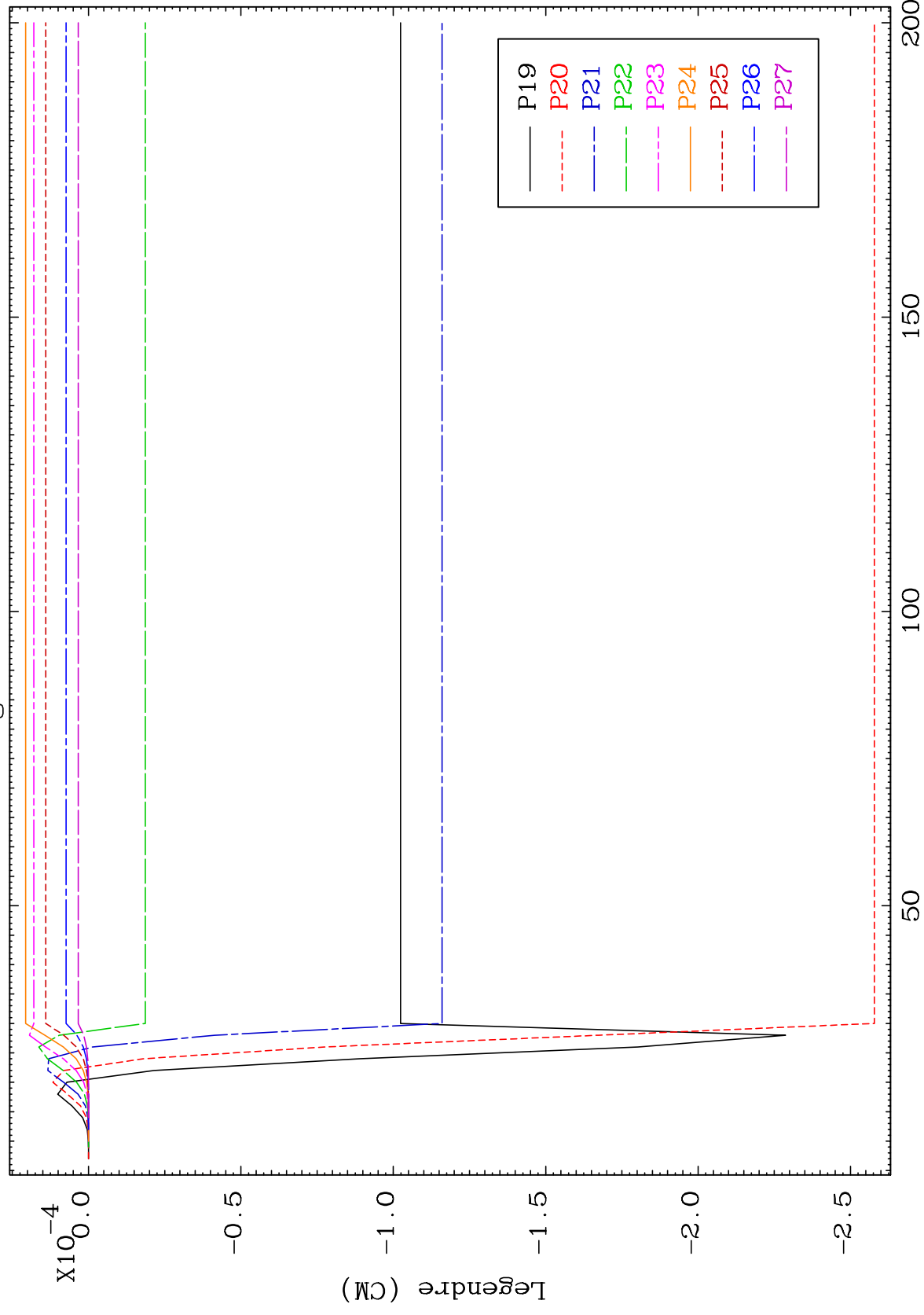
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

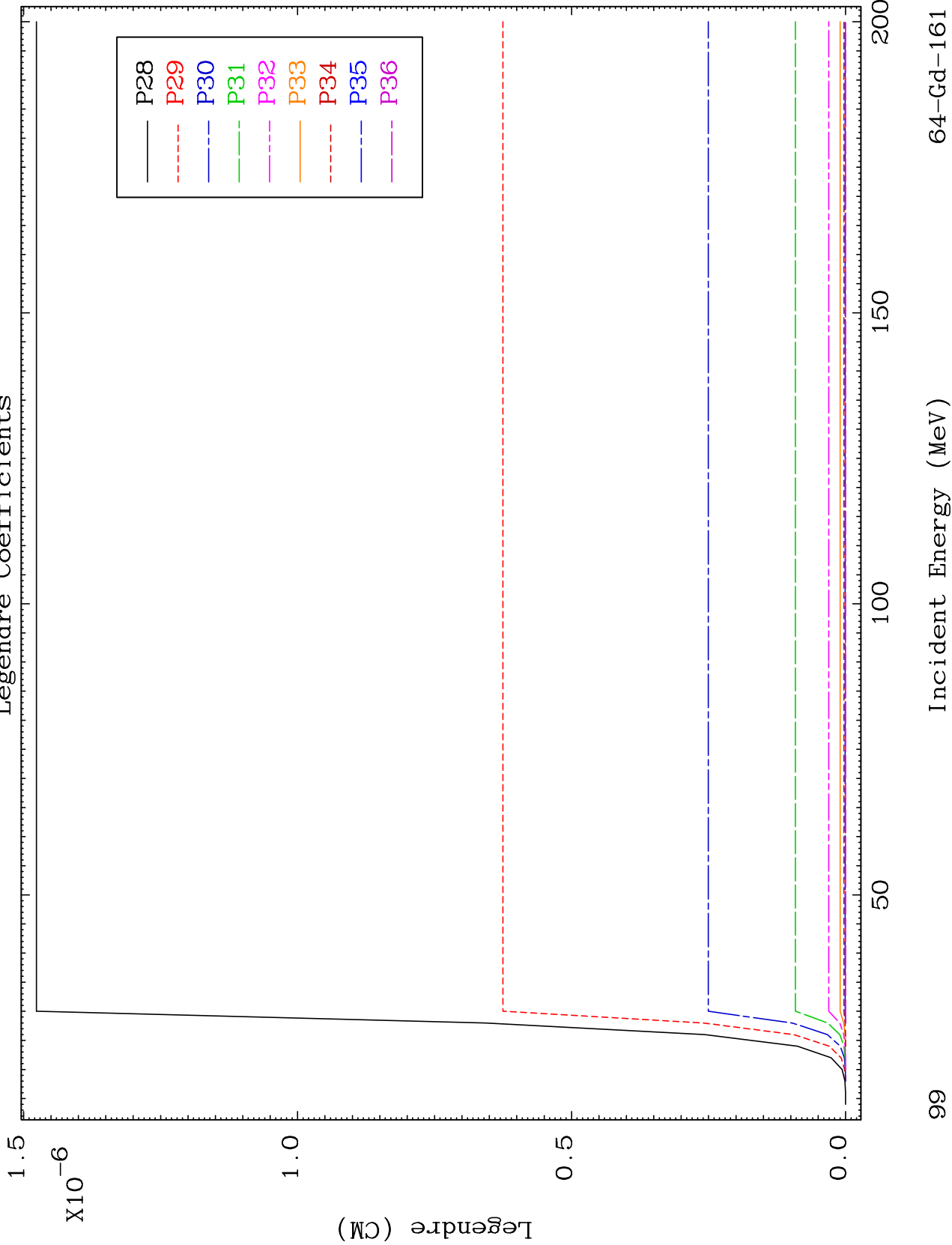
64-Gd-161



MAT 6452

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

64-Gd-161



99

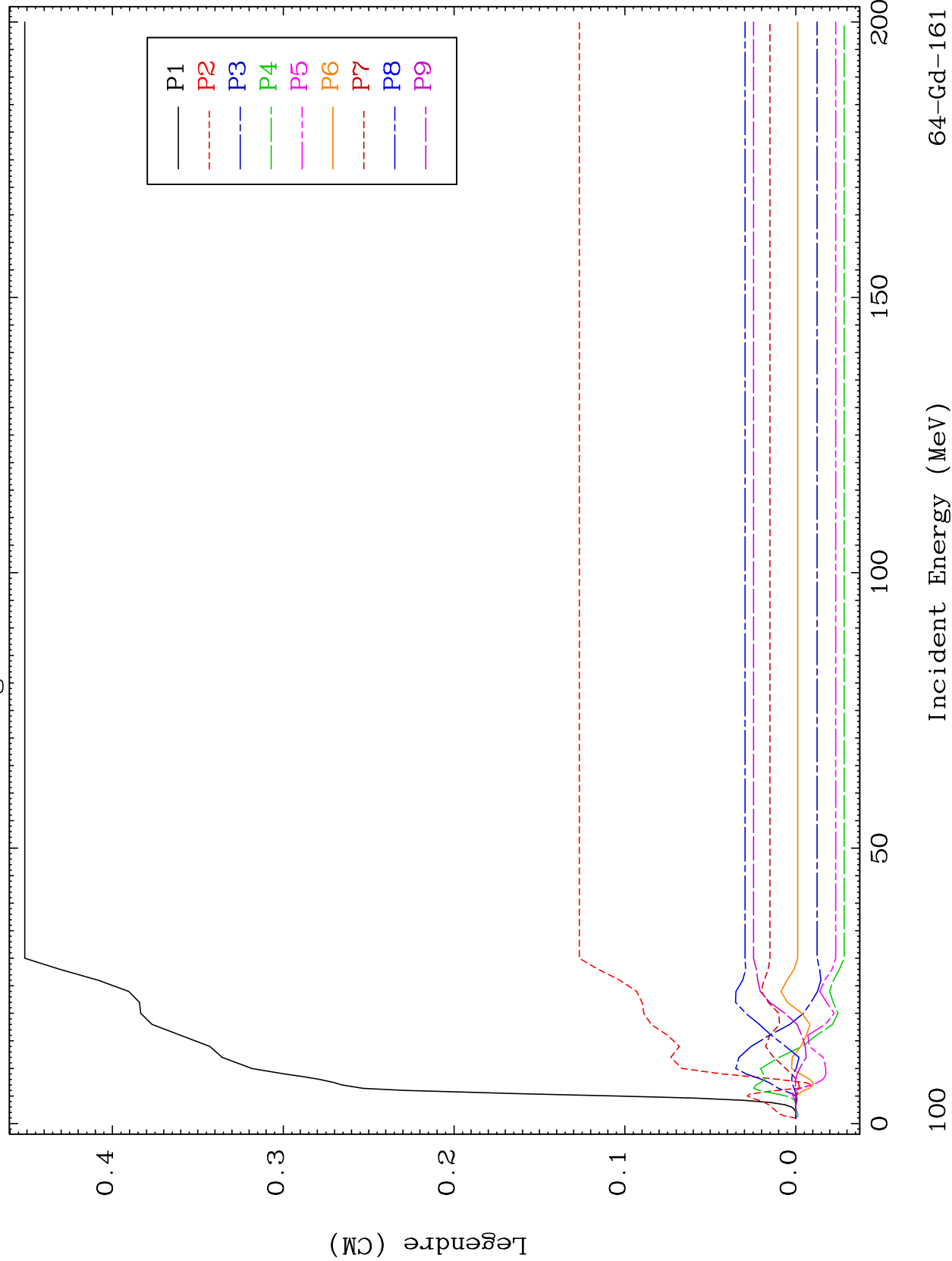
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



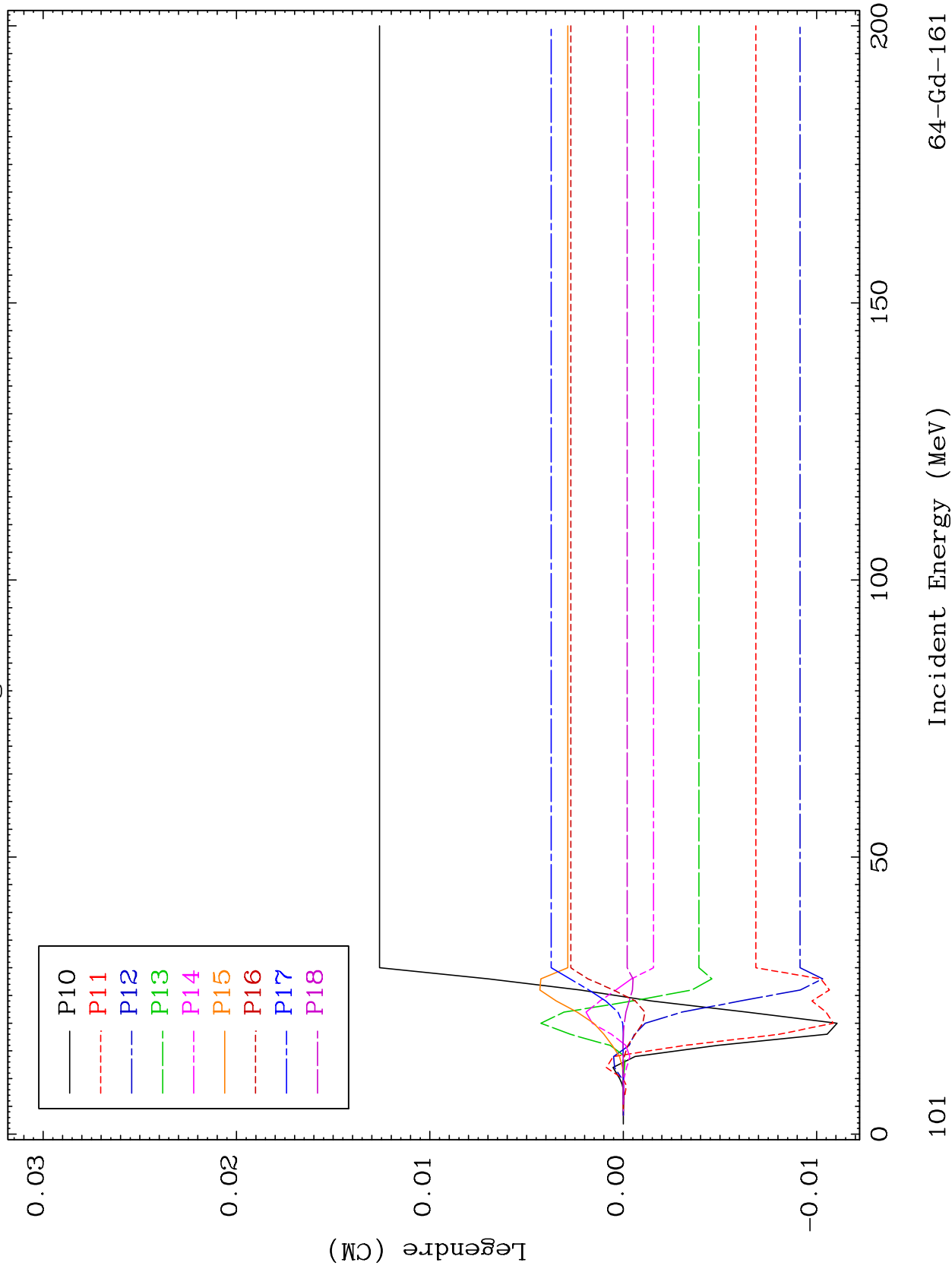
64-Gd-161

Incident Energy (MeV)

MAT 6452

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

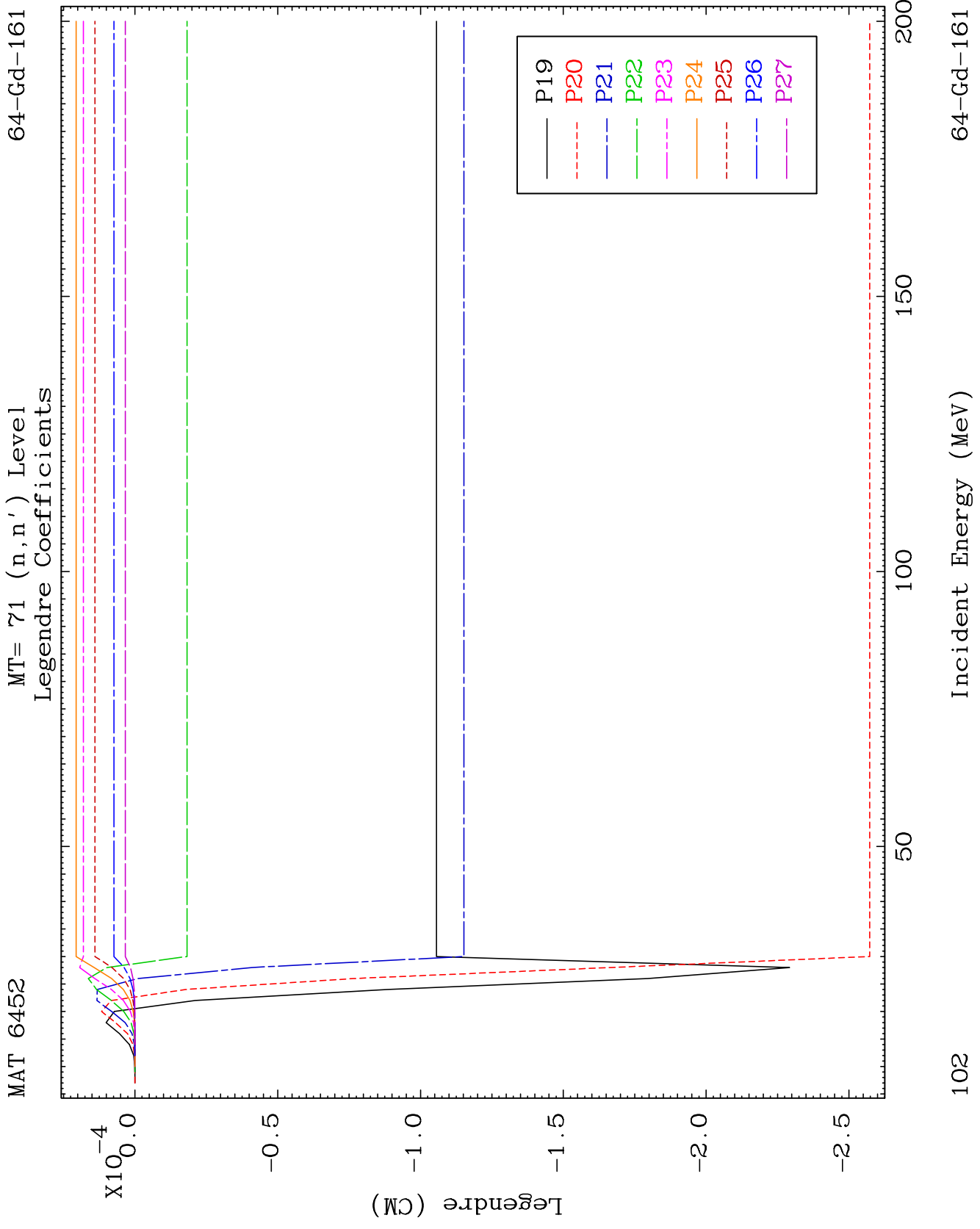
64-Gd-161



64-Gd-161

Incident Energy (MeV)

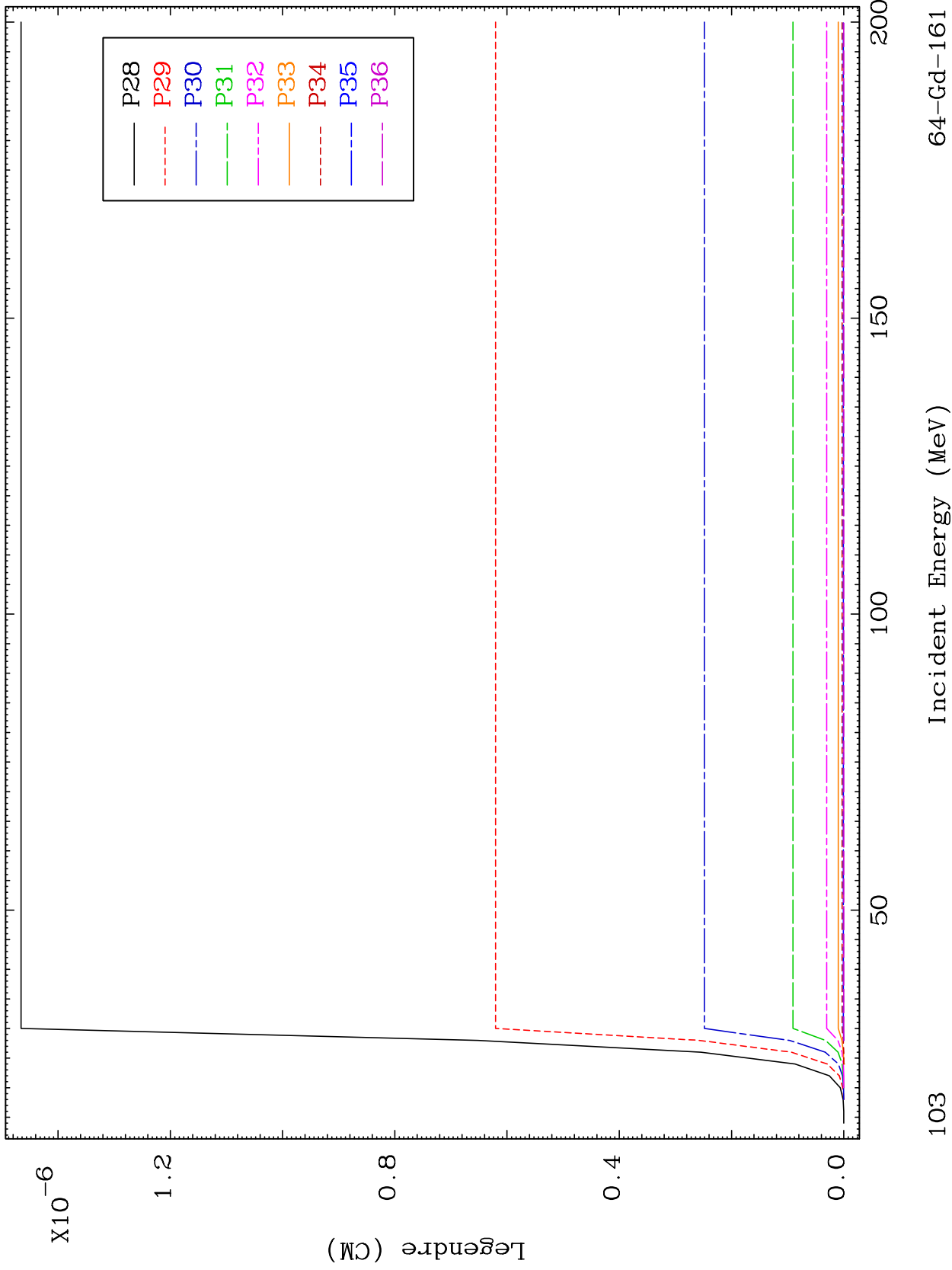
101



MAT 6452

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

64-Gd-161



103

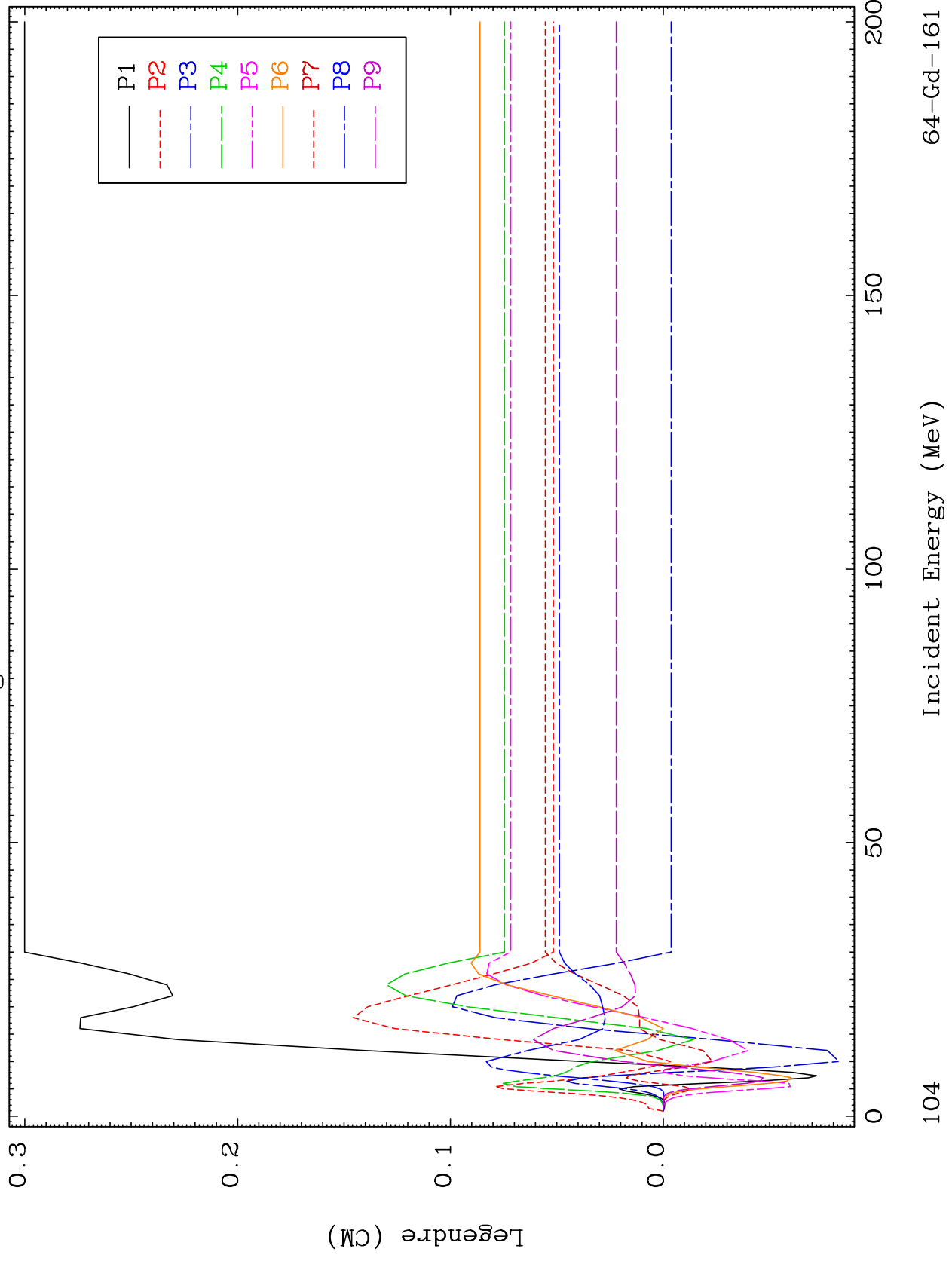
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



64-Gd-161

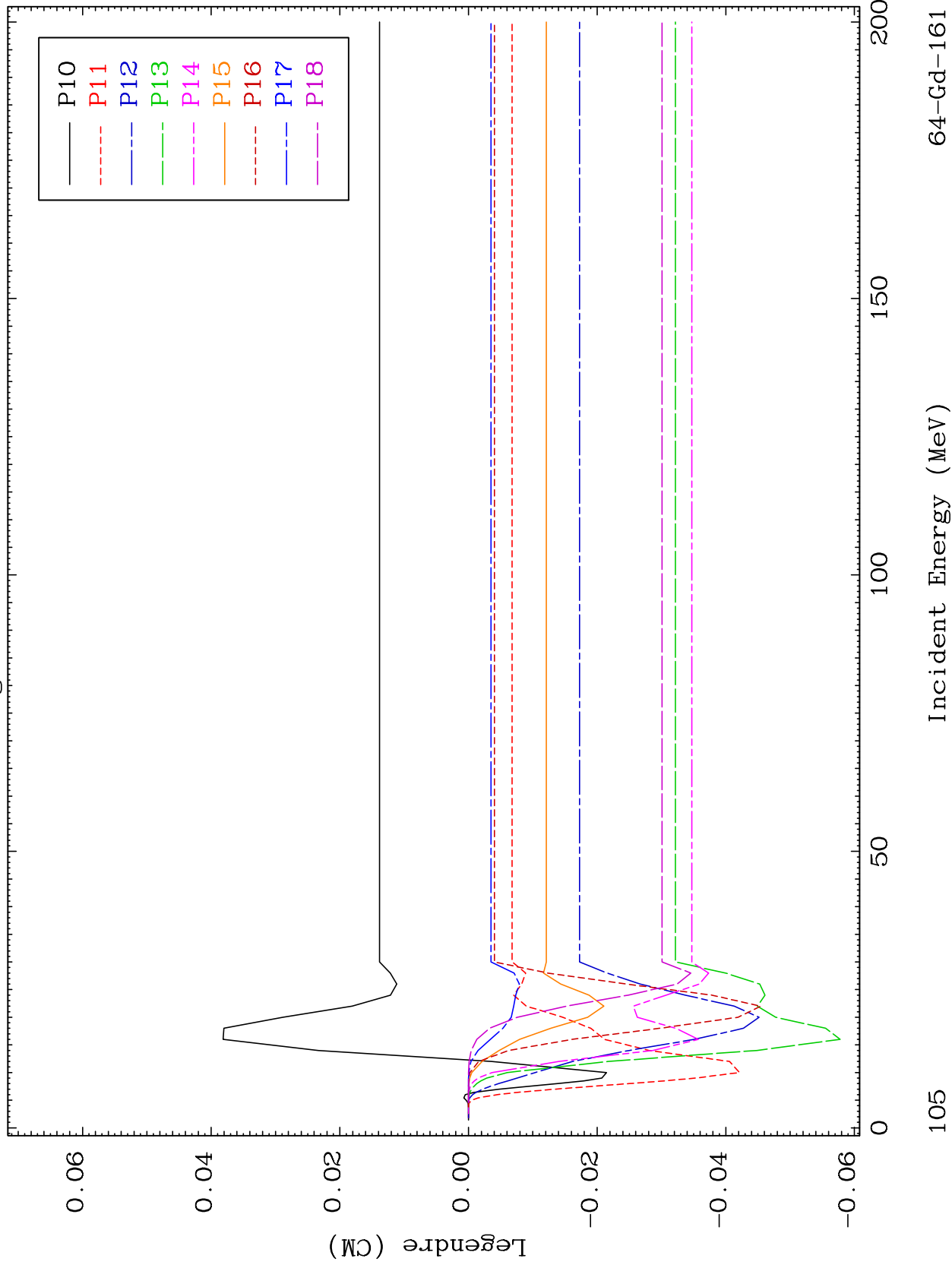
Incident Energy (MeV)

104

MAT 6452

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

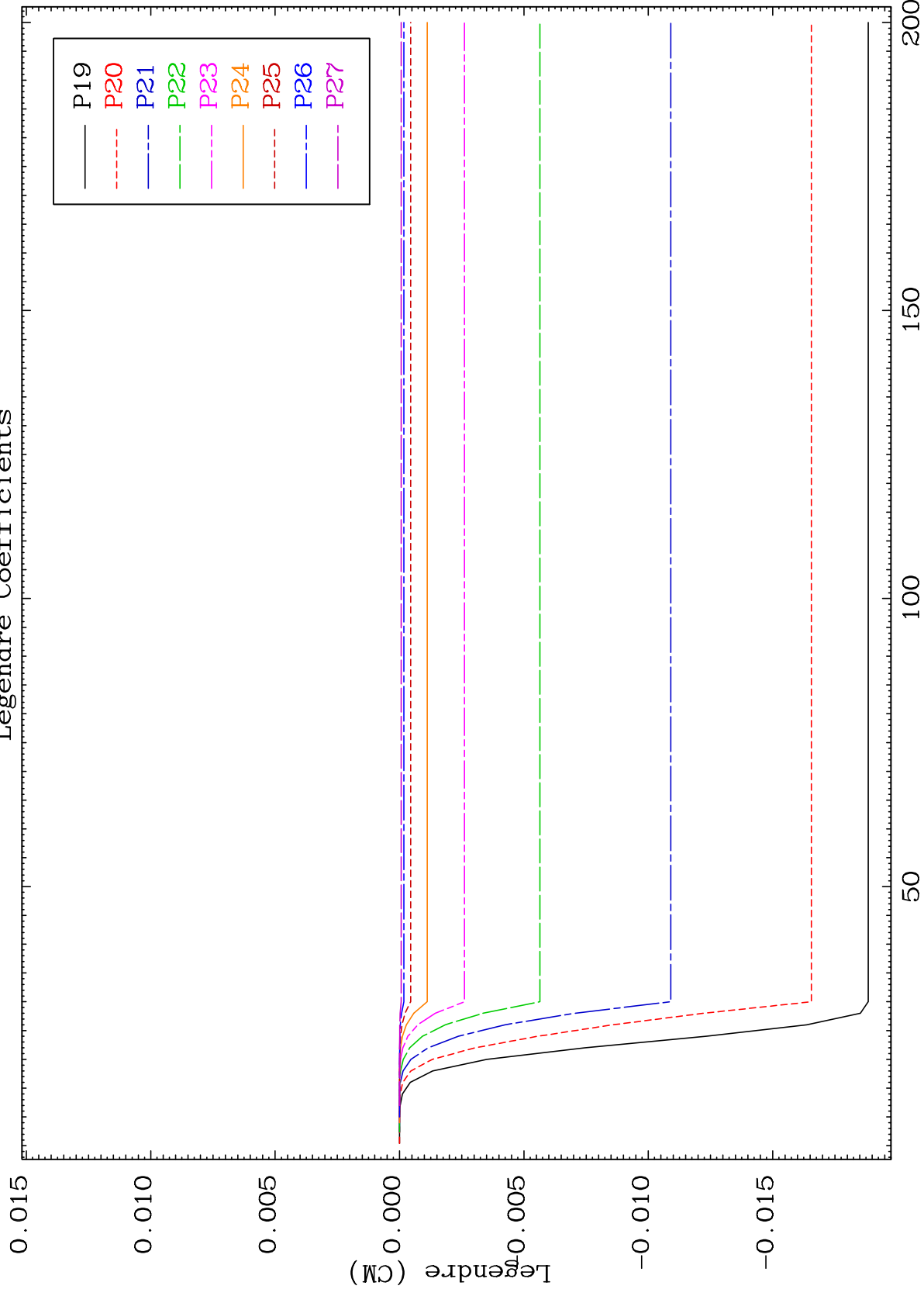
64-Gd-161



MAT 6452

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

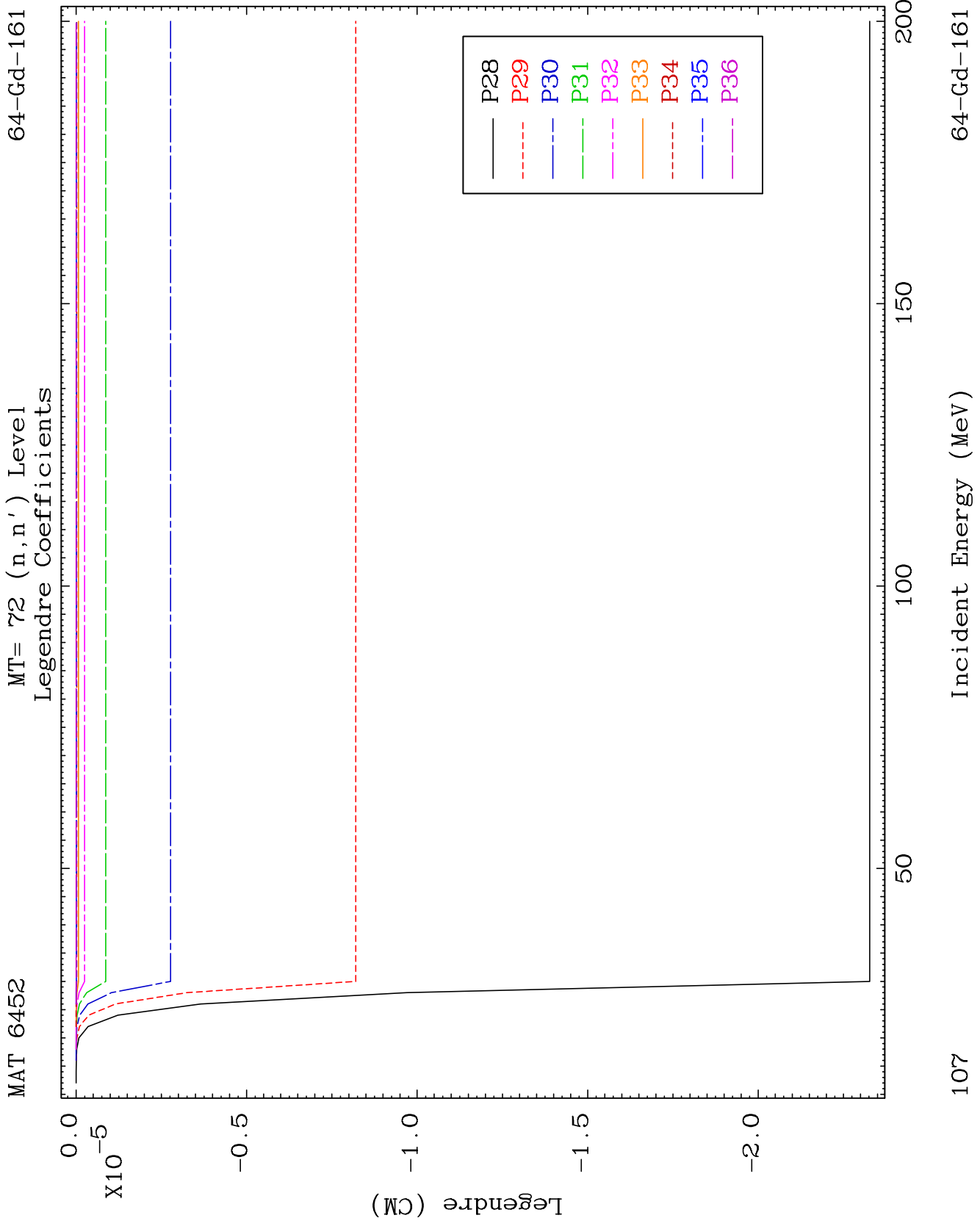
64-Gd-161



106

Incident Energy (MeV)

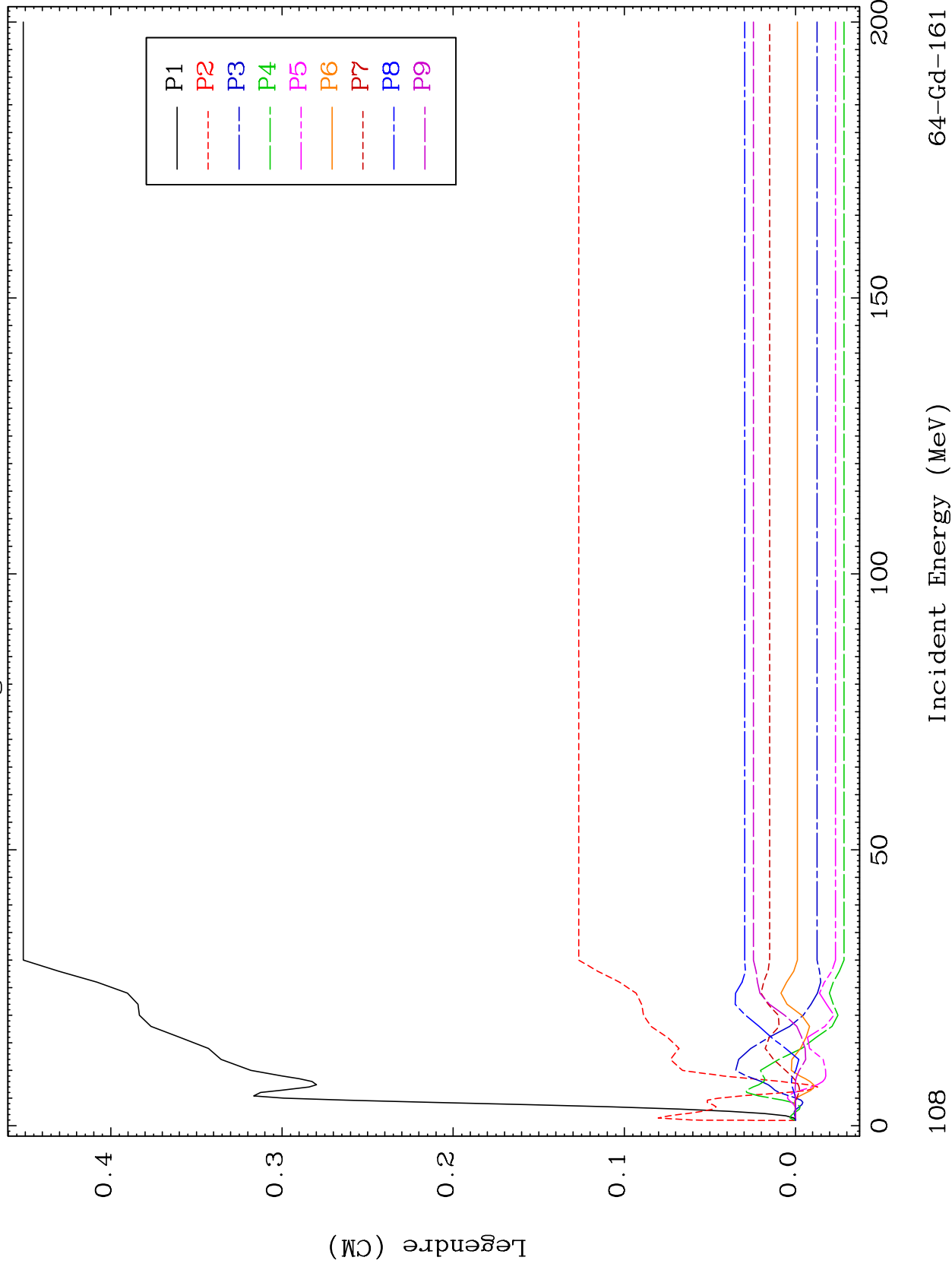
64-Gd-161



MAT 6452

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

64-Gd-161



64-Gd-161

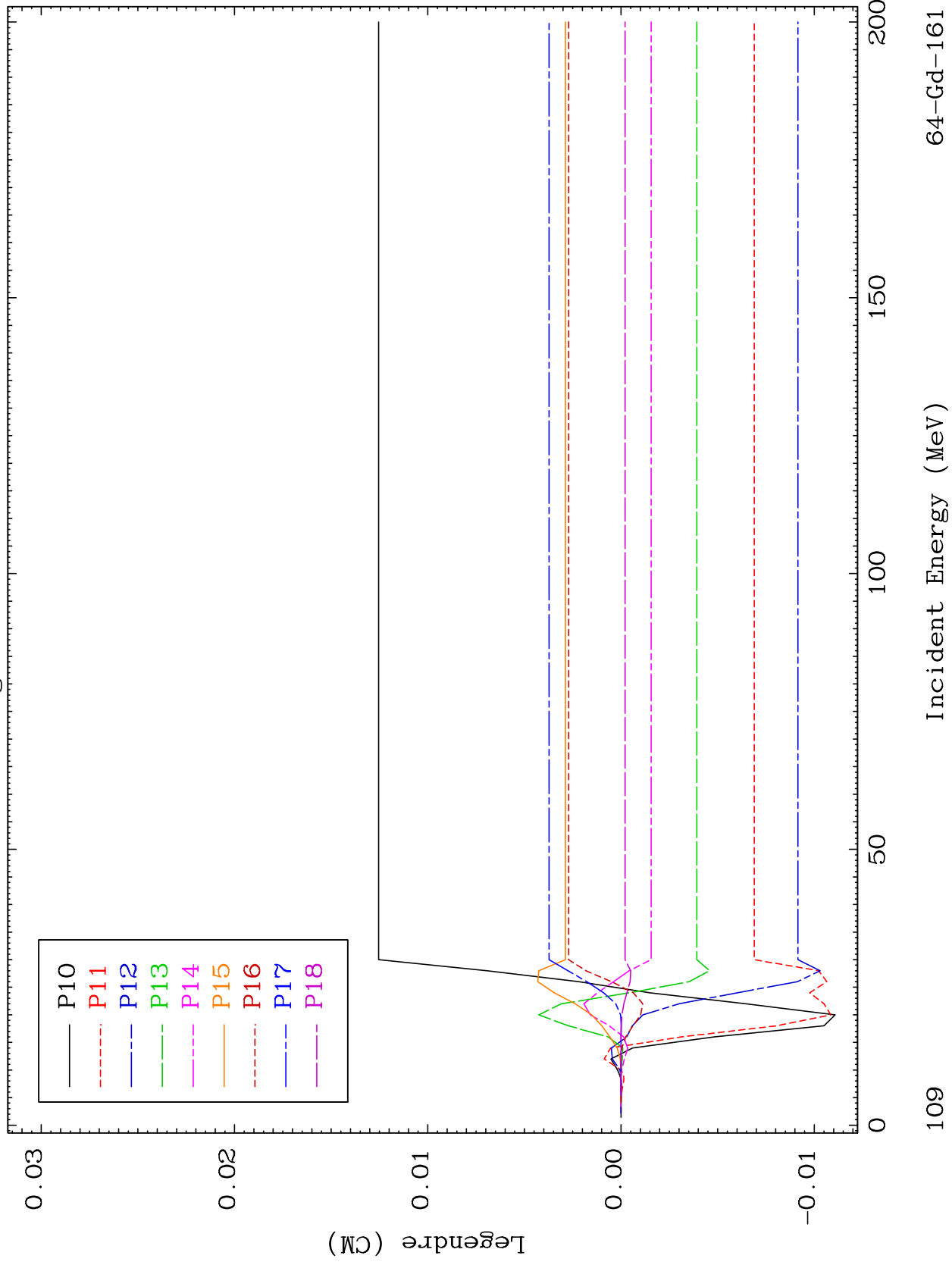
Incident Energy (MeV)

108

MAT 6452

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

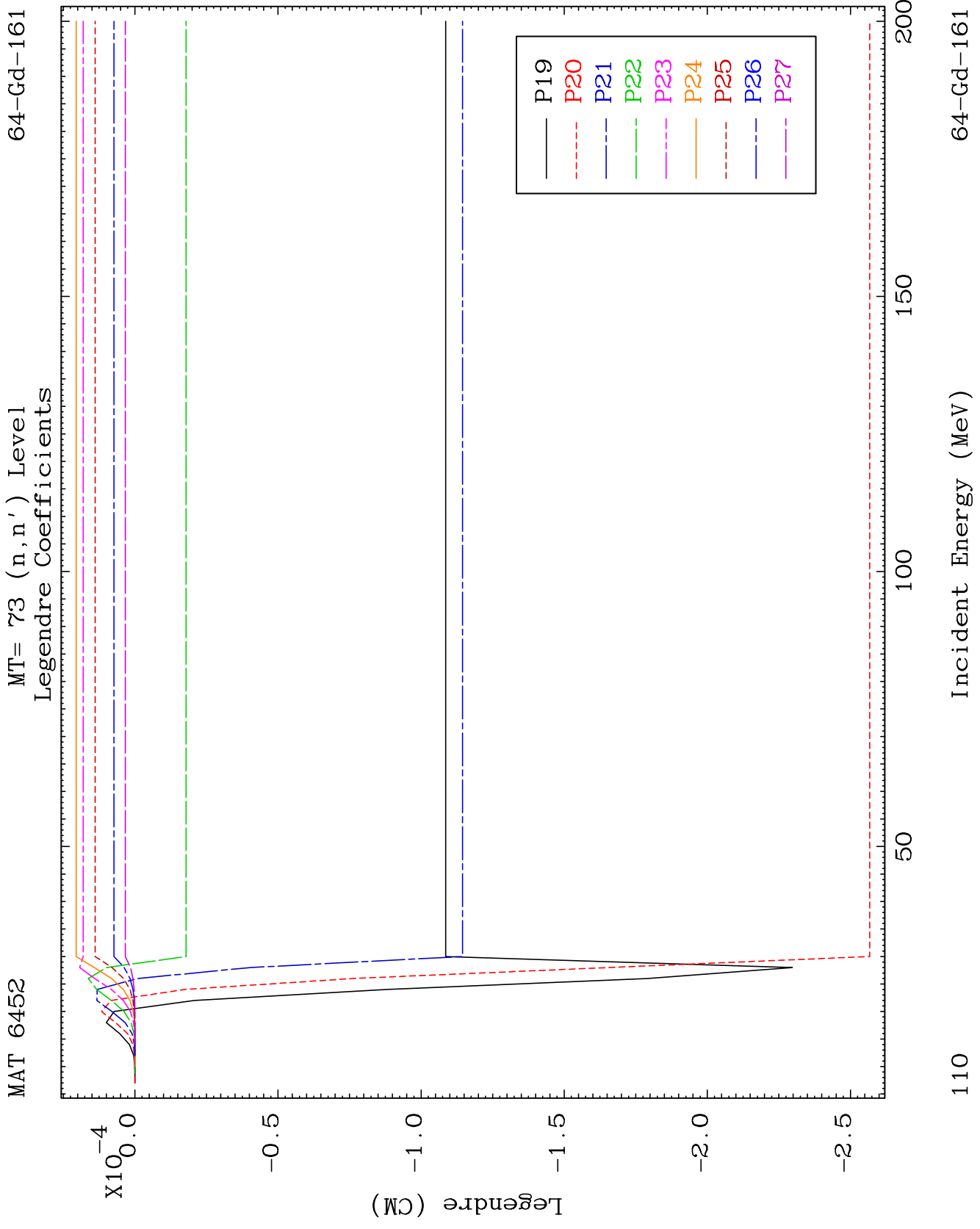
64-Gd-161



64-Gd-161

Incident Energy (MeV)

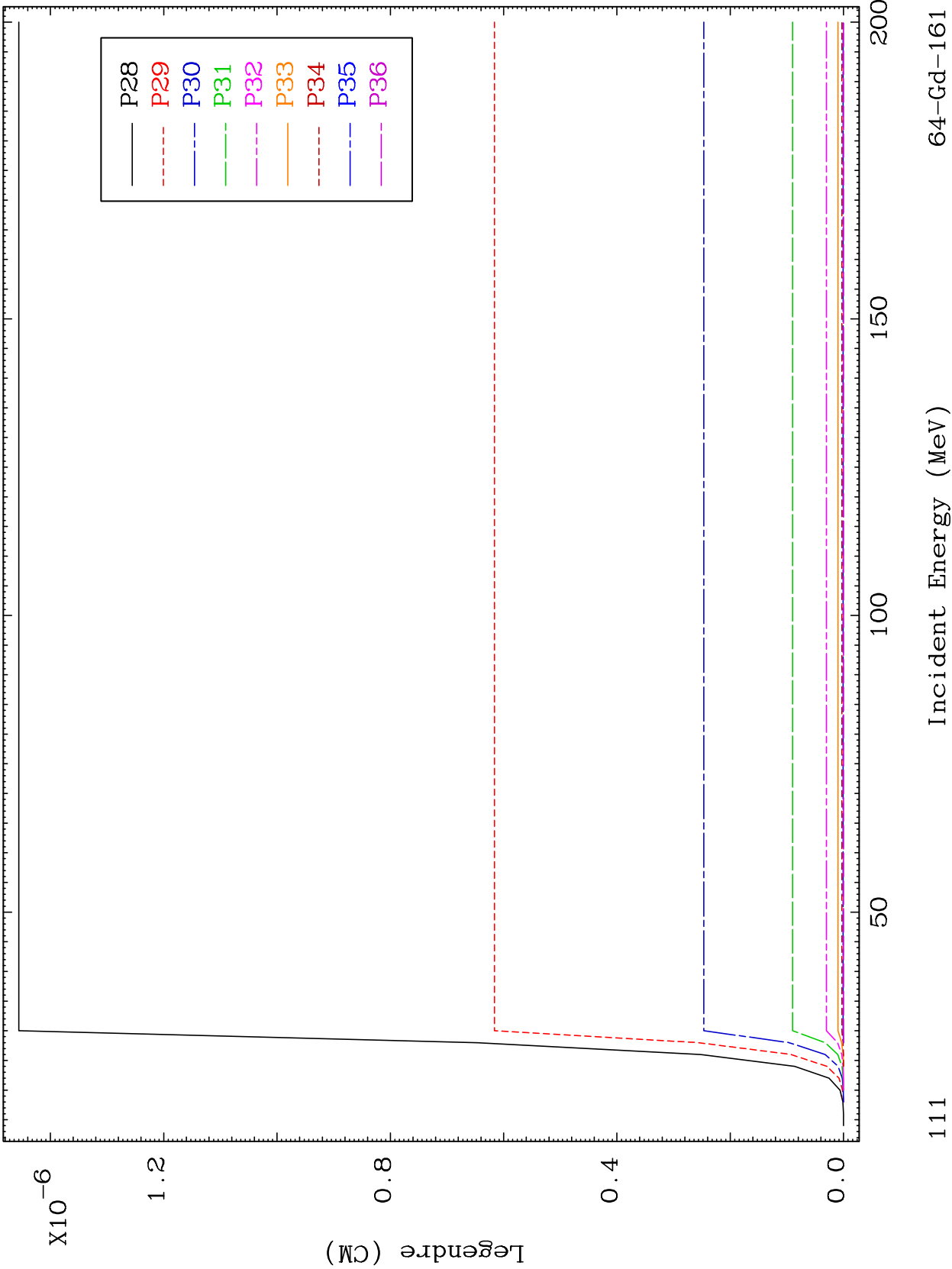
109



MAT 6452

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

64-Gd-161



111

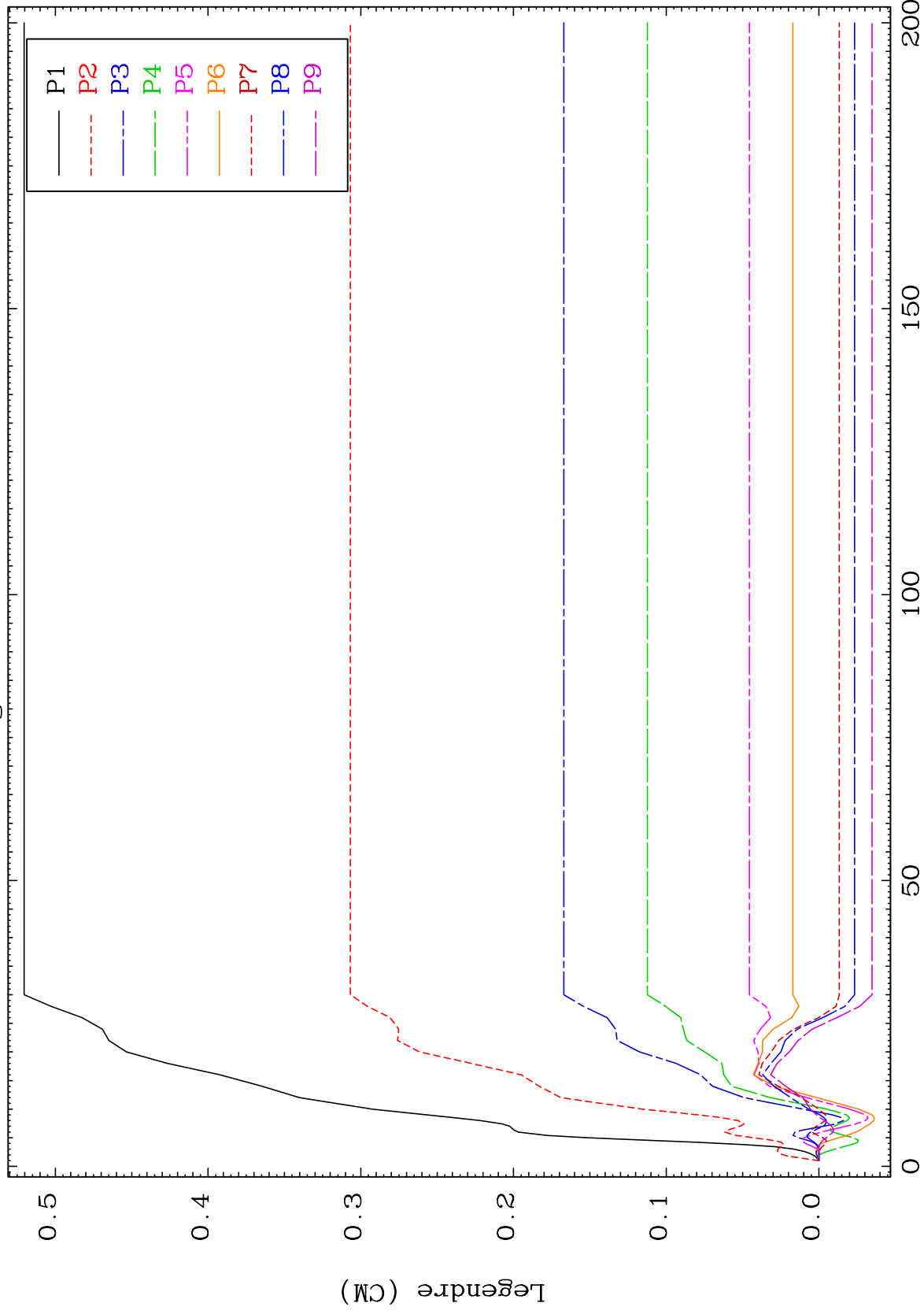
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



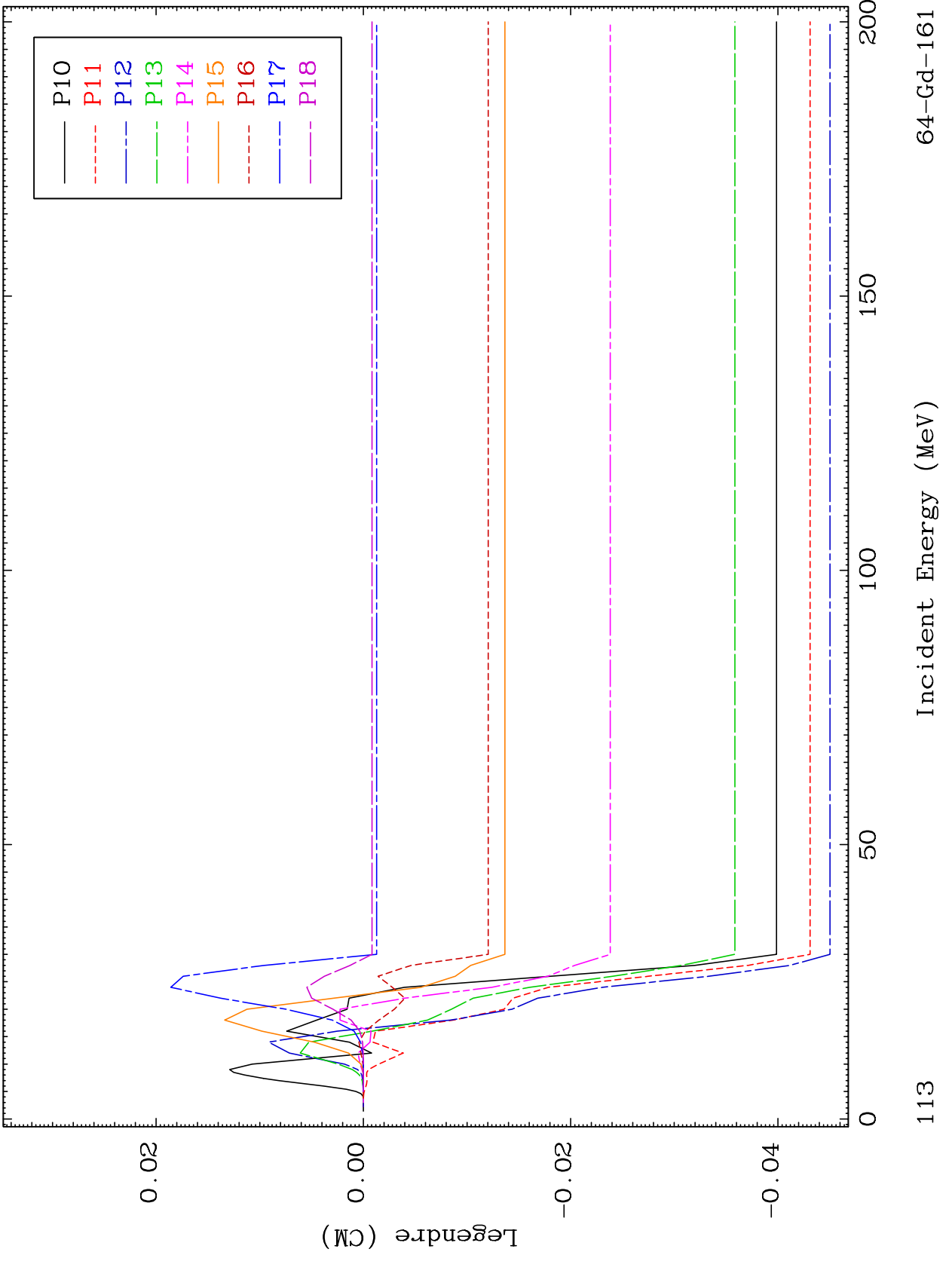
112

64-Gd-161

MAT 6452

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

64-Gd-161

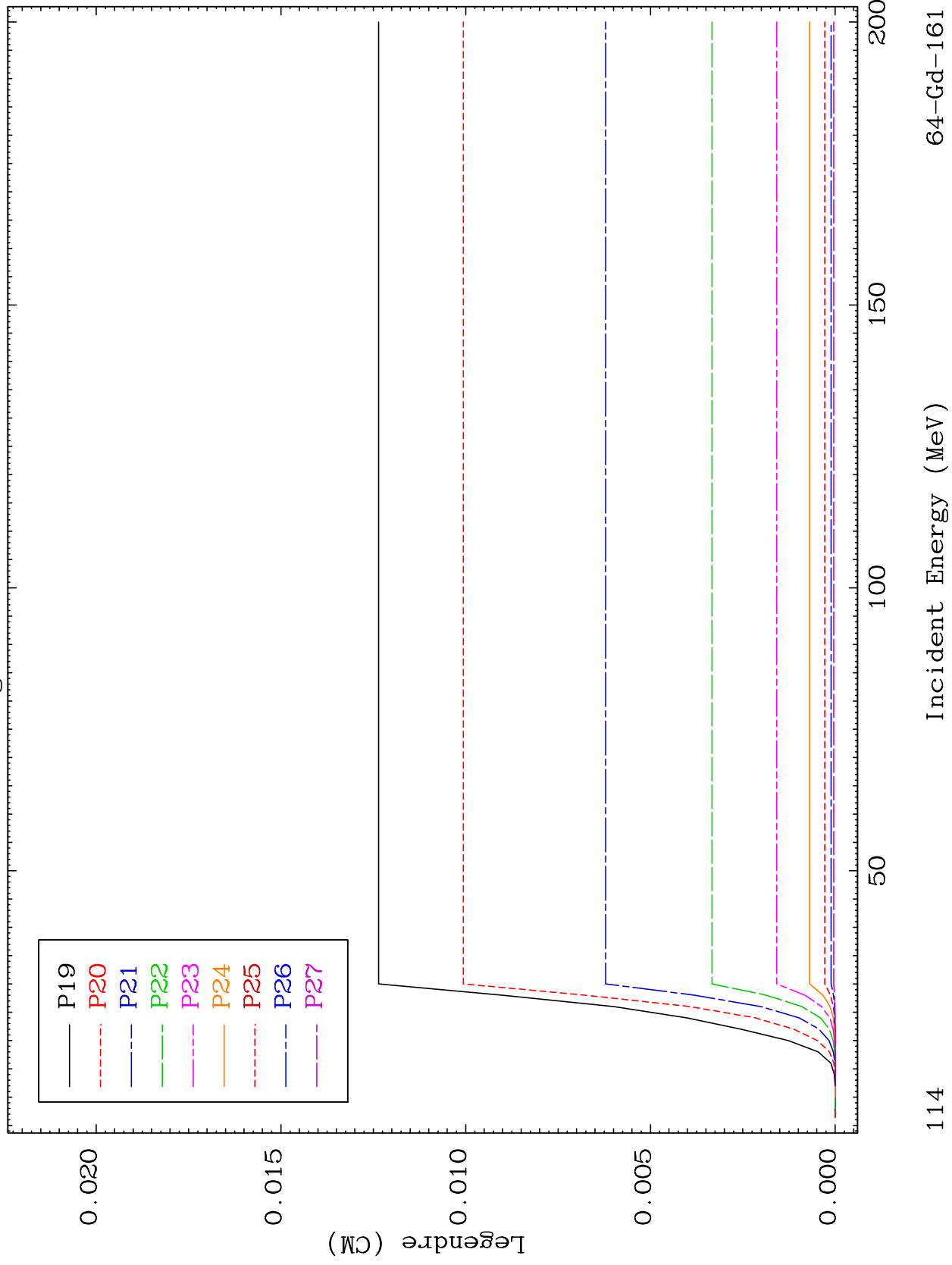


113

MAT 6452

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

64-Gd-161



114

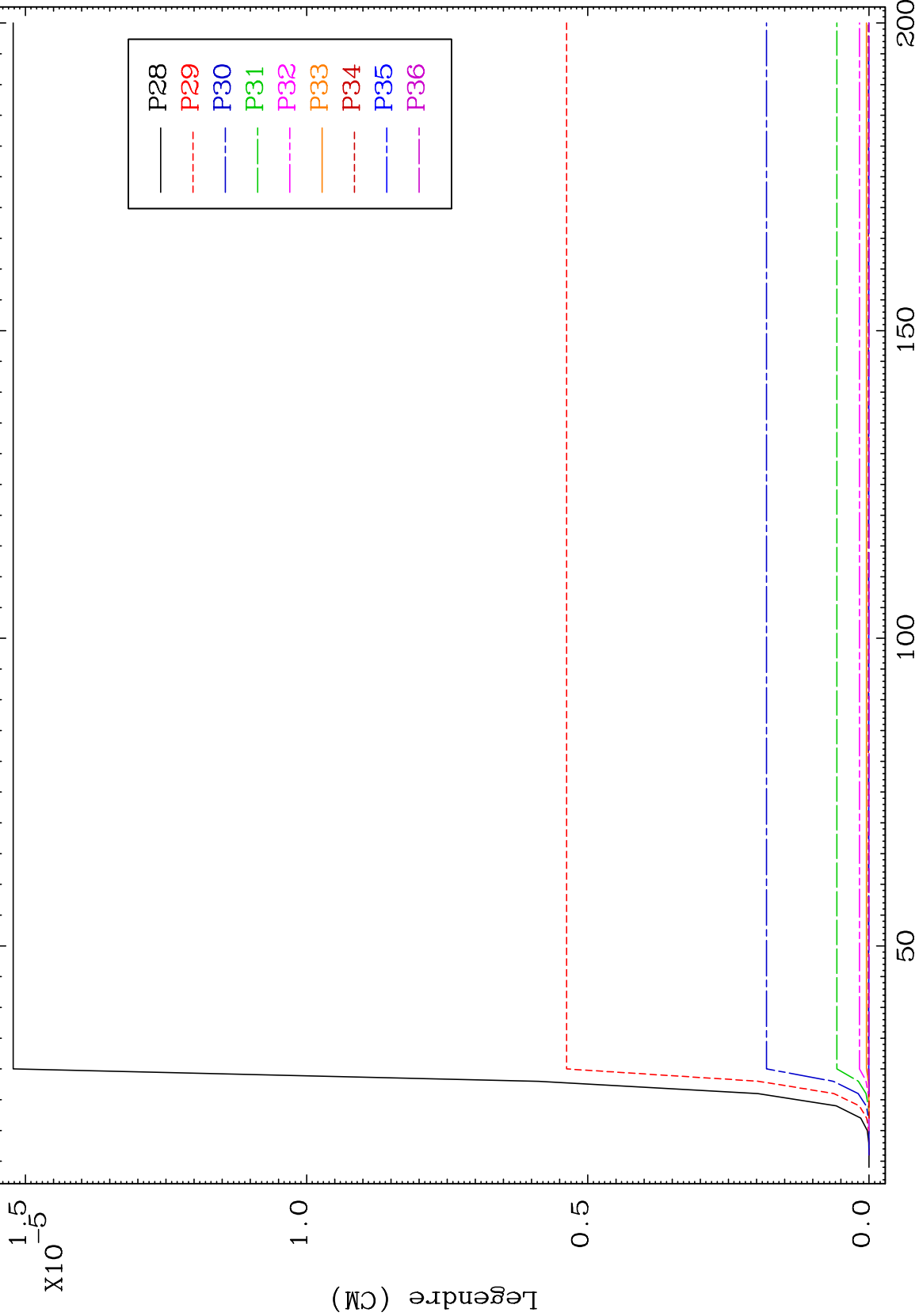
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



115

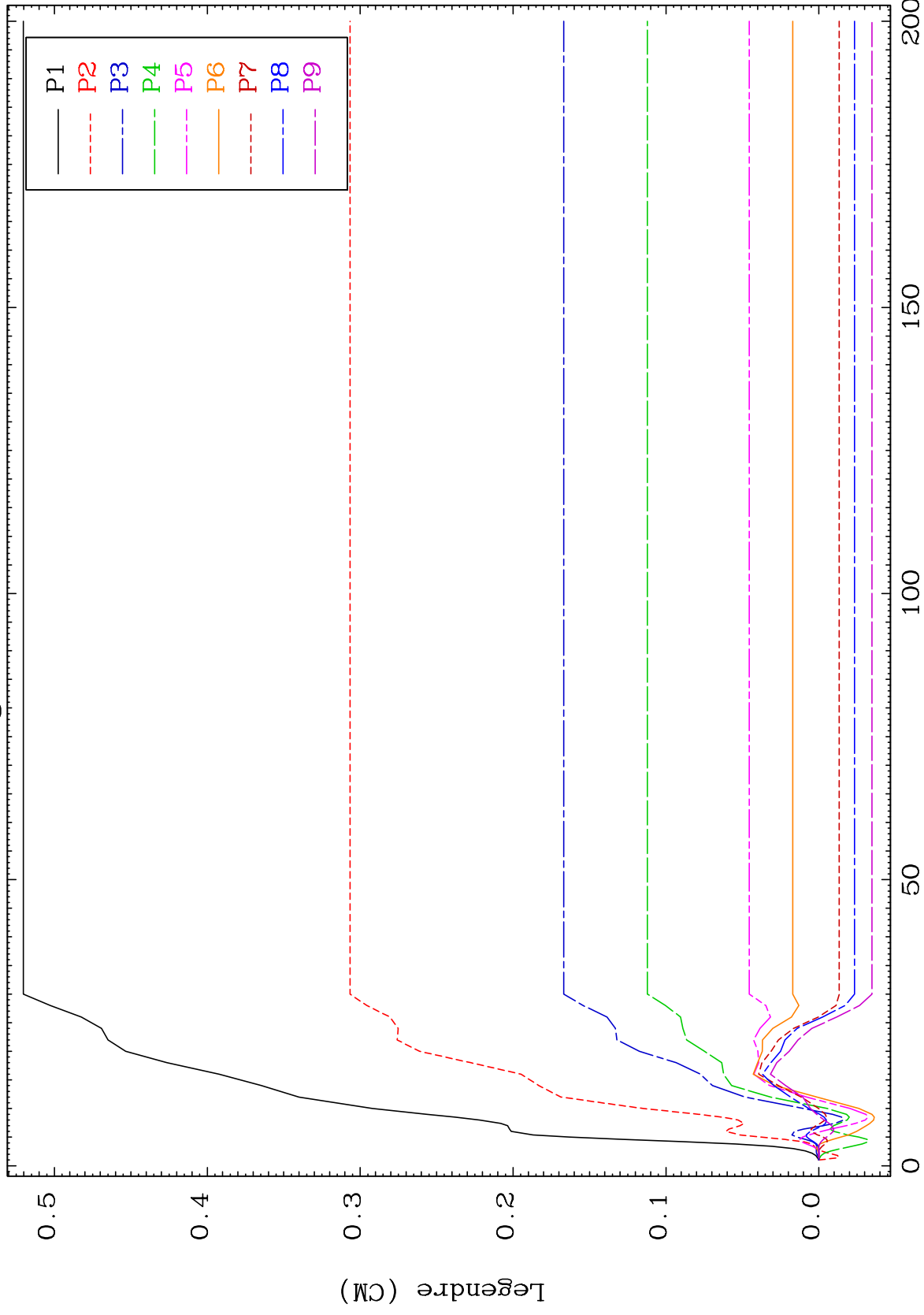
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



116

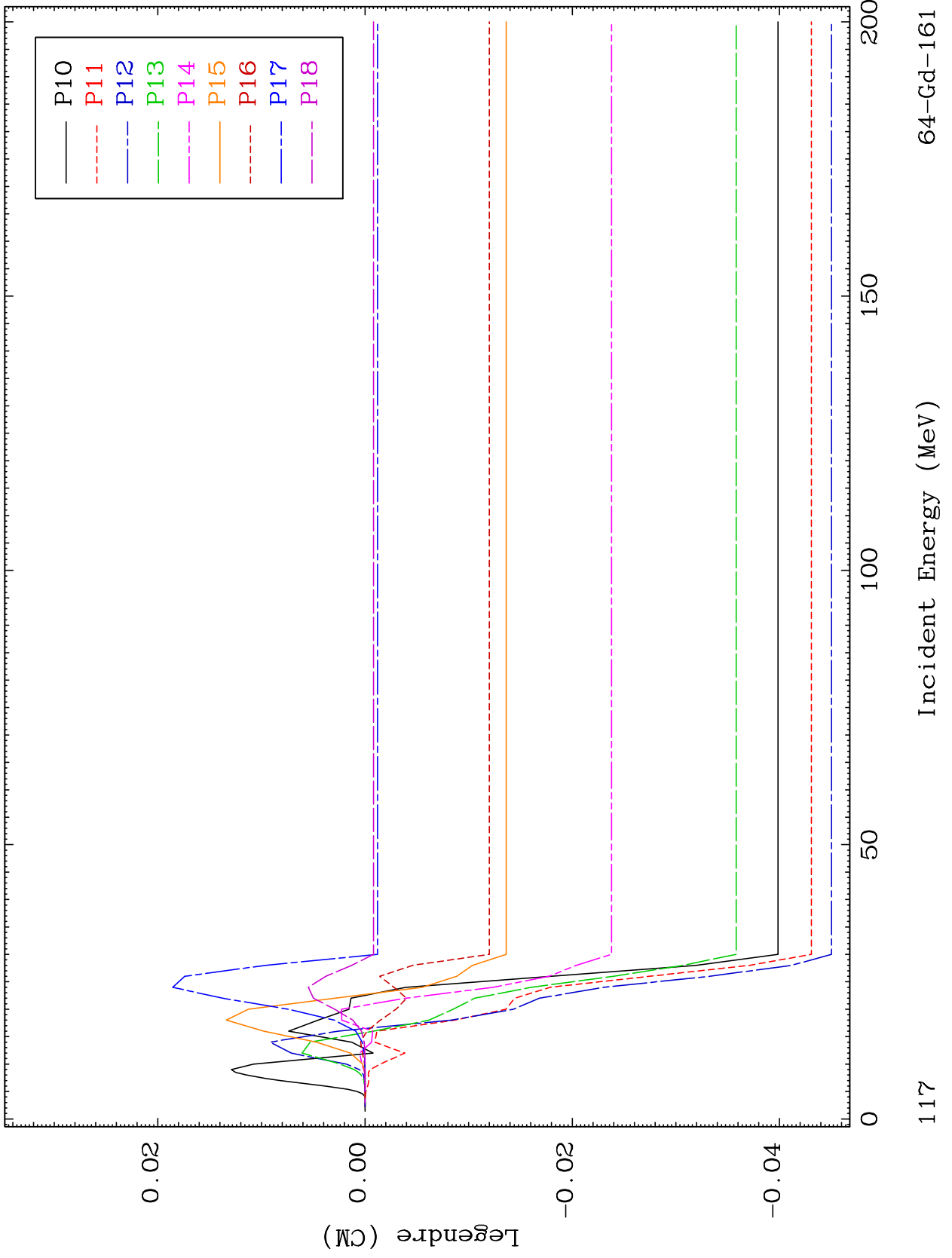
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



117

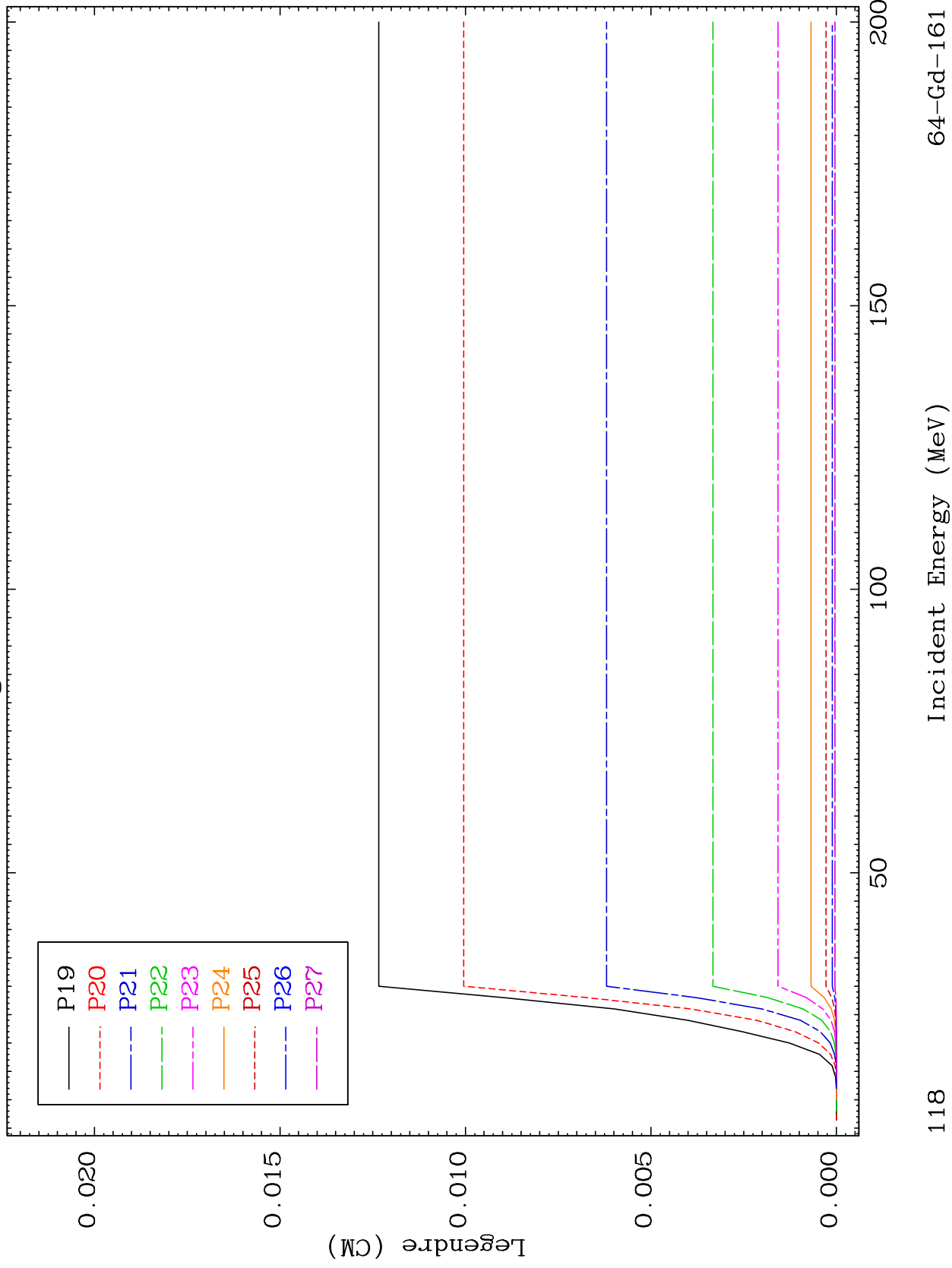
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



118

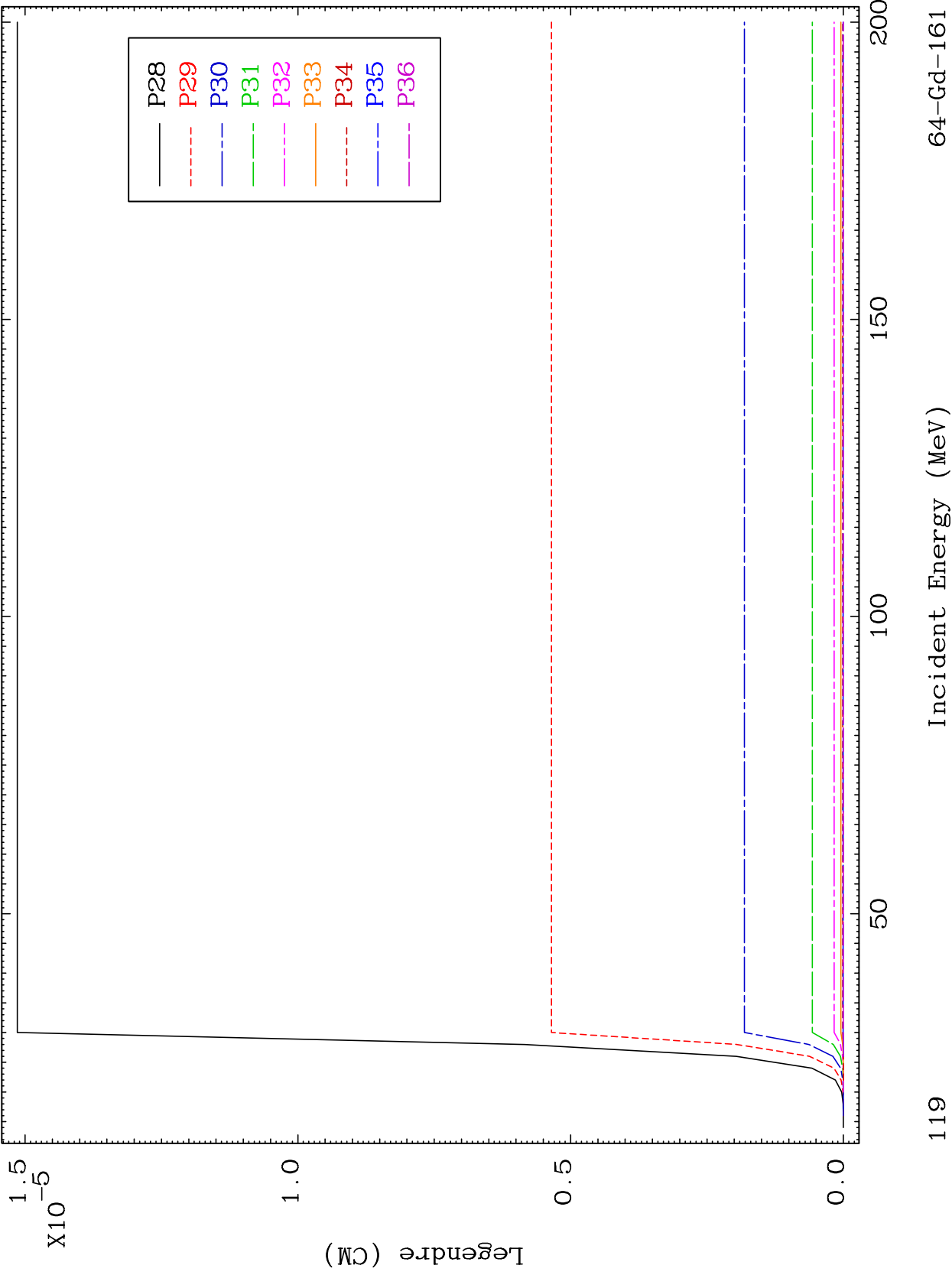
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161

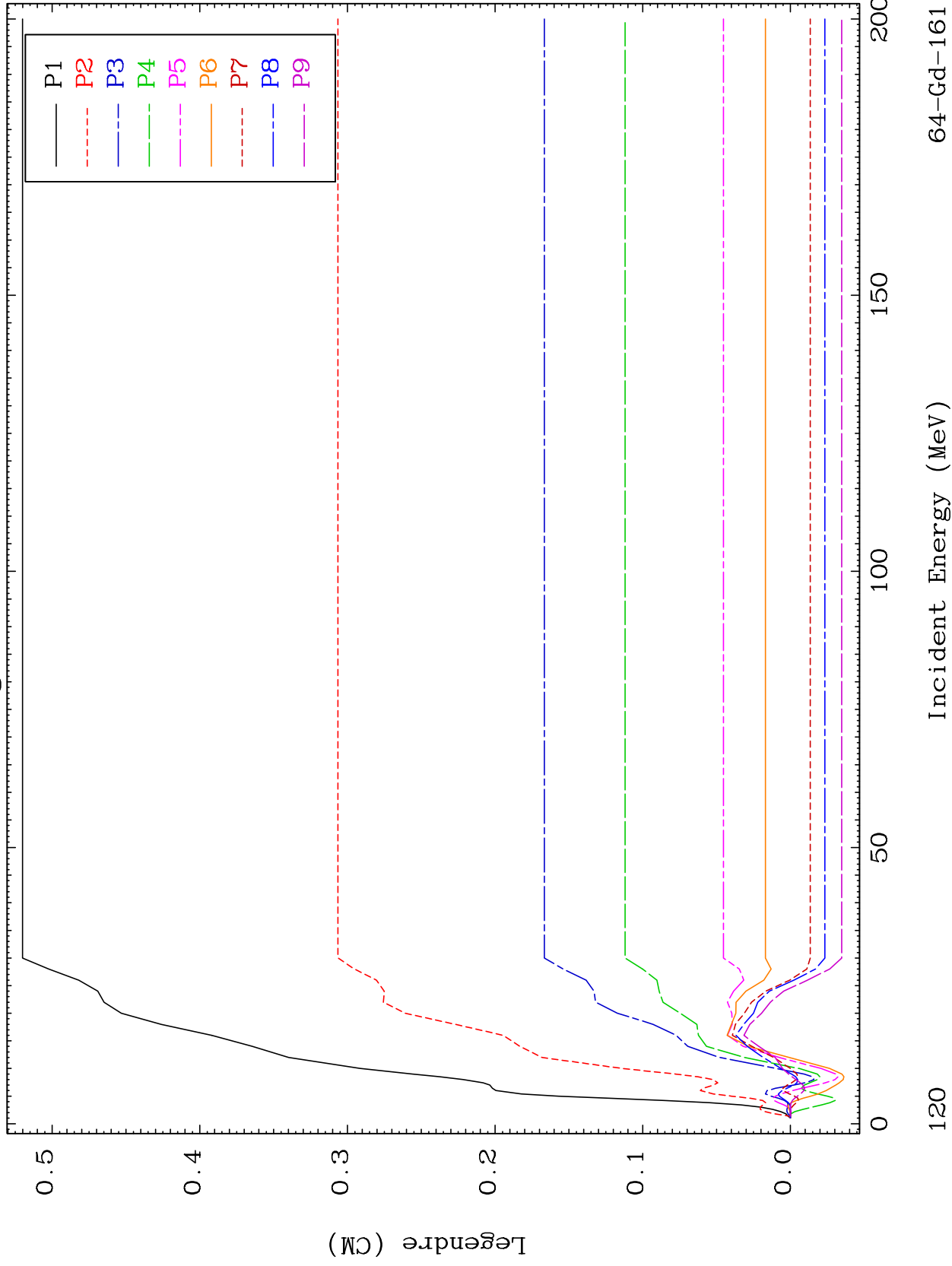


MAT 6452

MT= 76 (n,n') Level

64-Gd-161

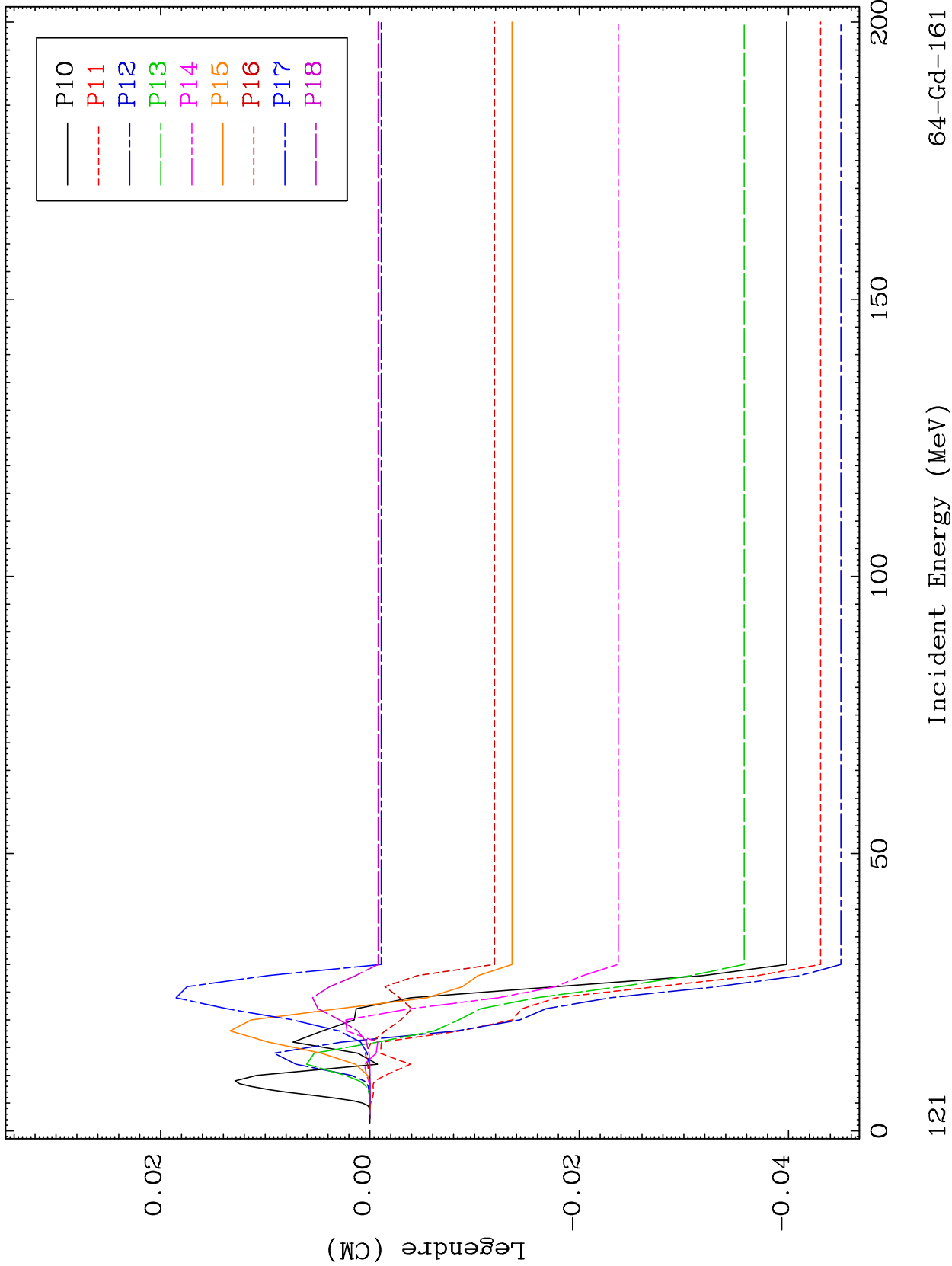
Legendre Coefficients



MAT 6452

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

64-Gd-161



64-Gd-161

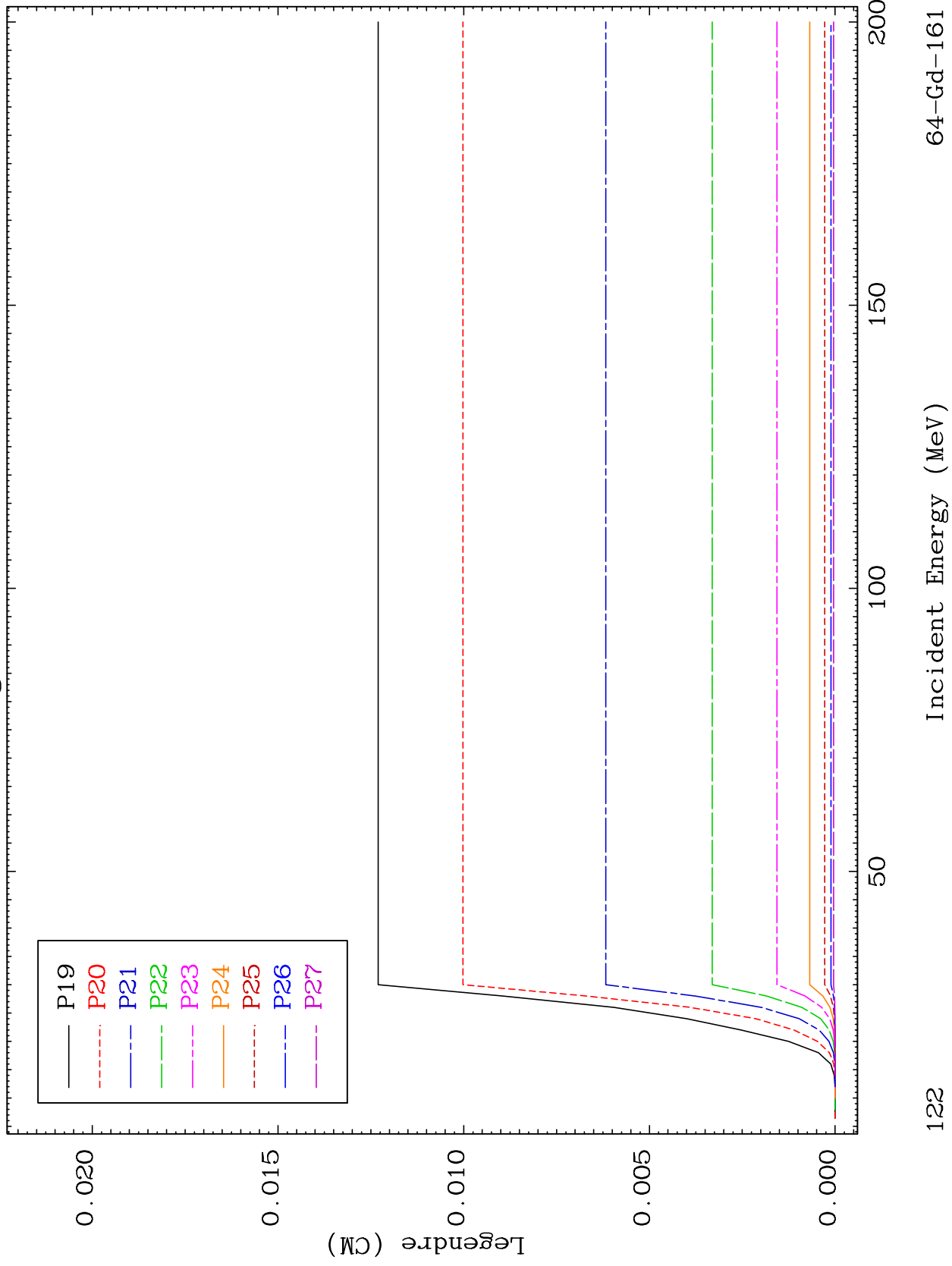
Incident Energy (MeV)

121

MAT 6452

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

64-Gd-161



122

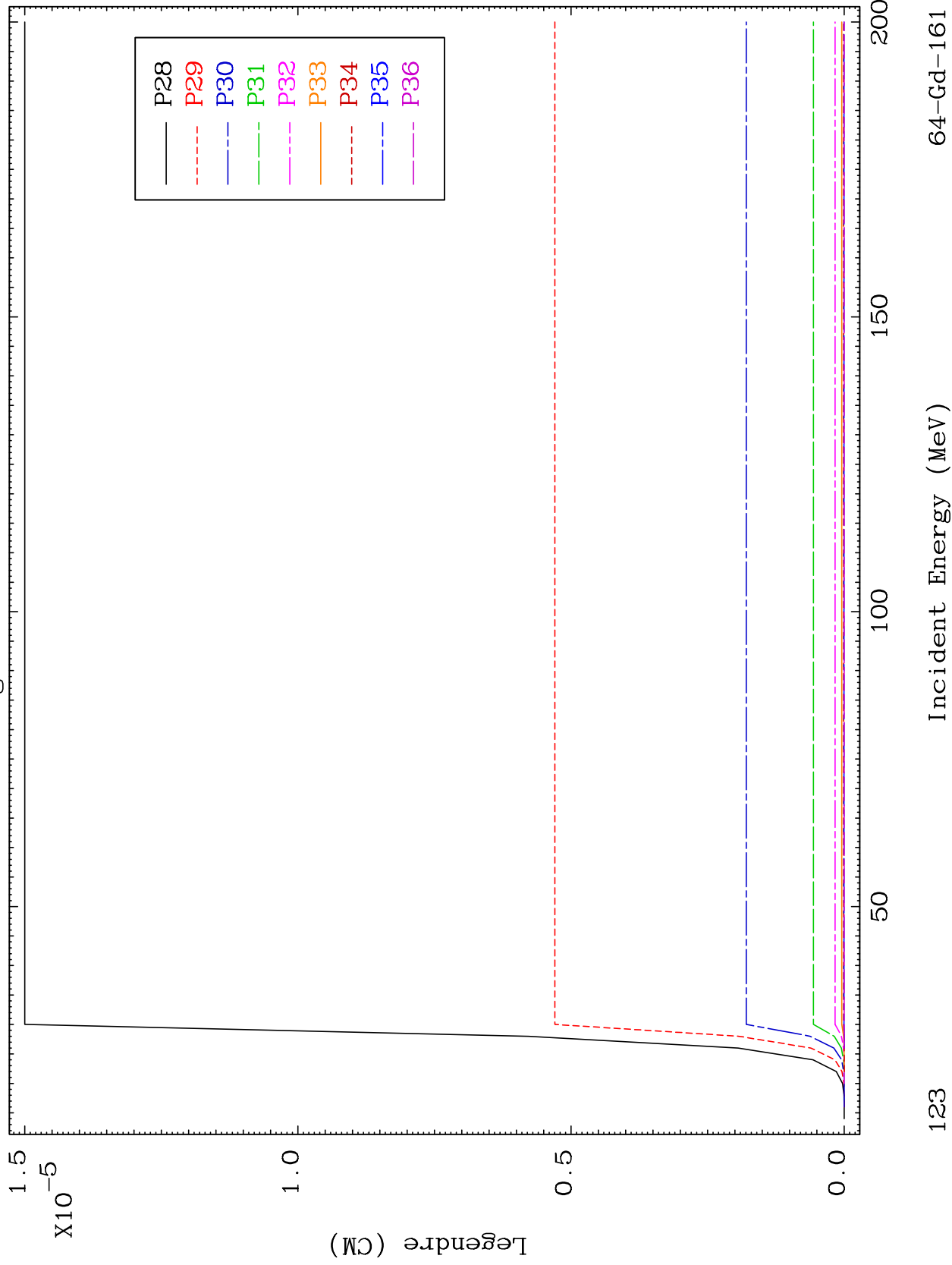
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

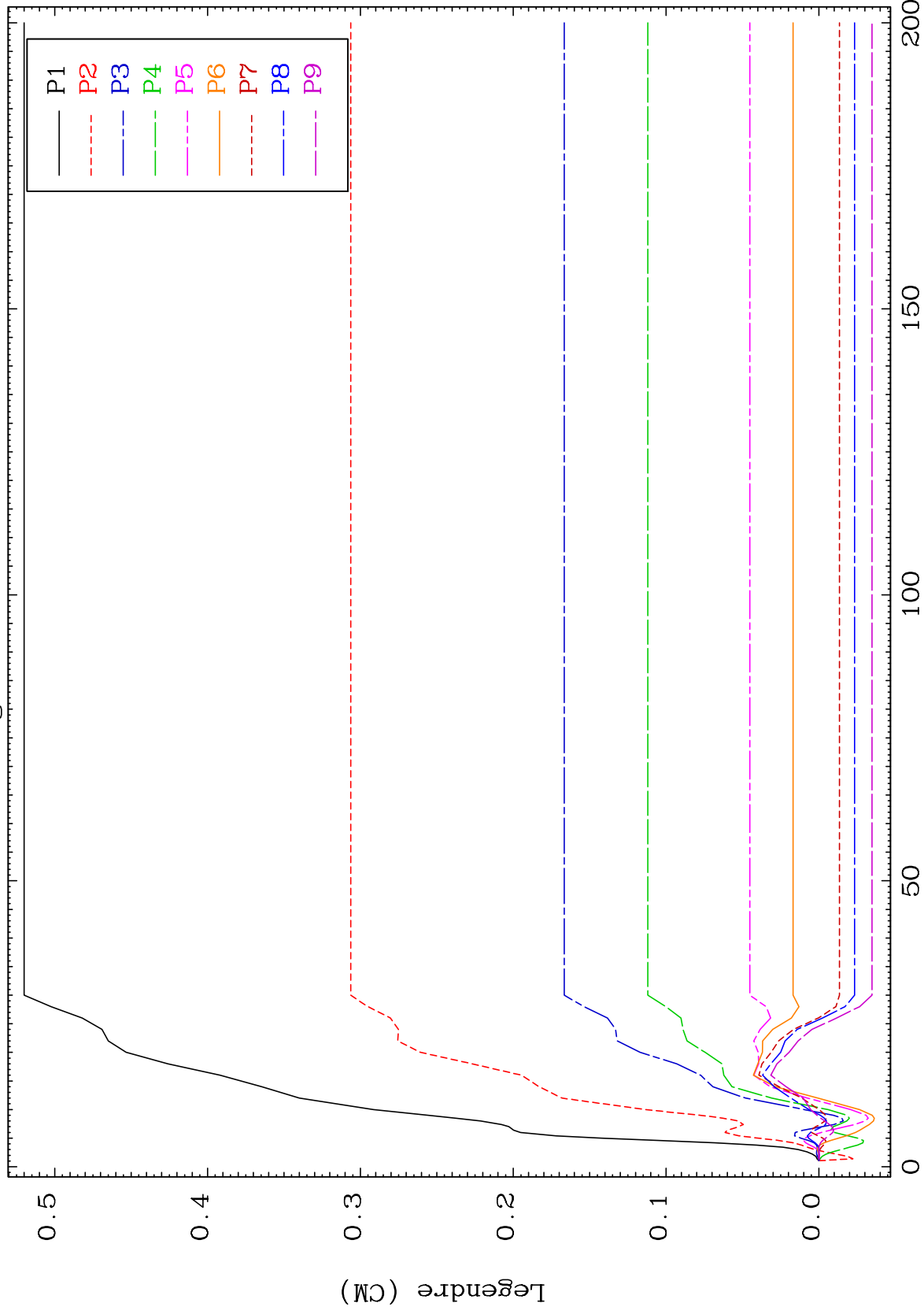
64-Gd-161



MAT 6452

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

64-Gd-161



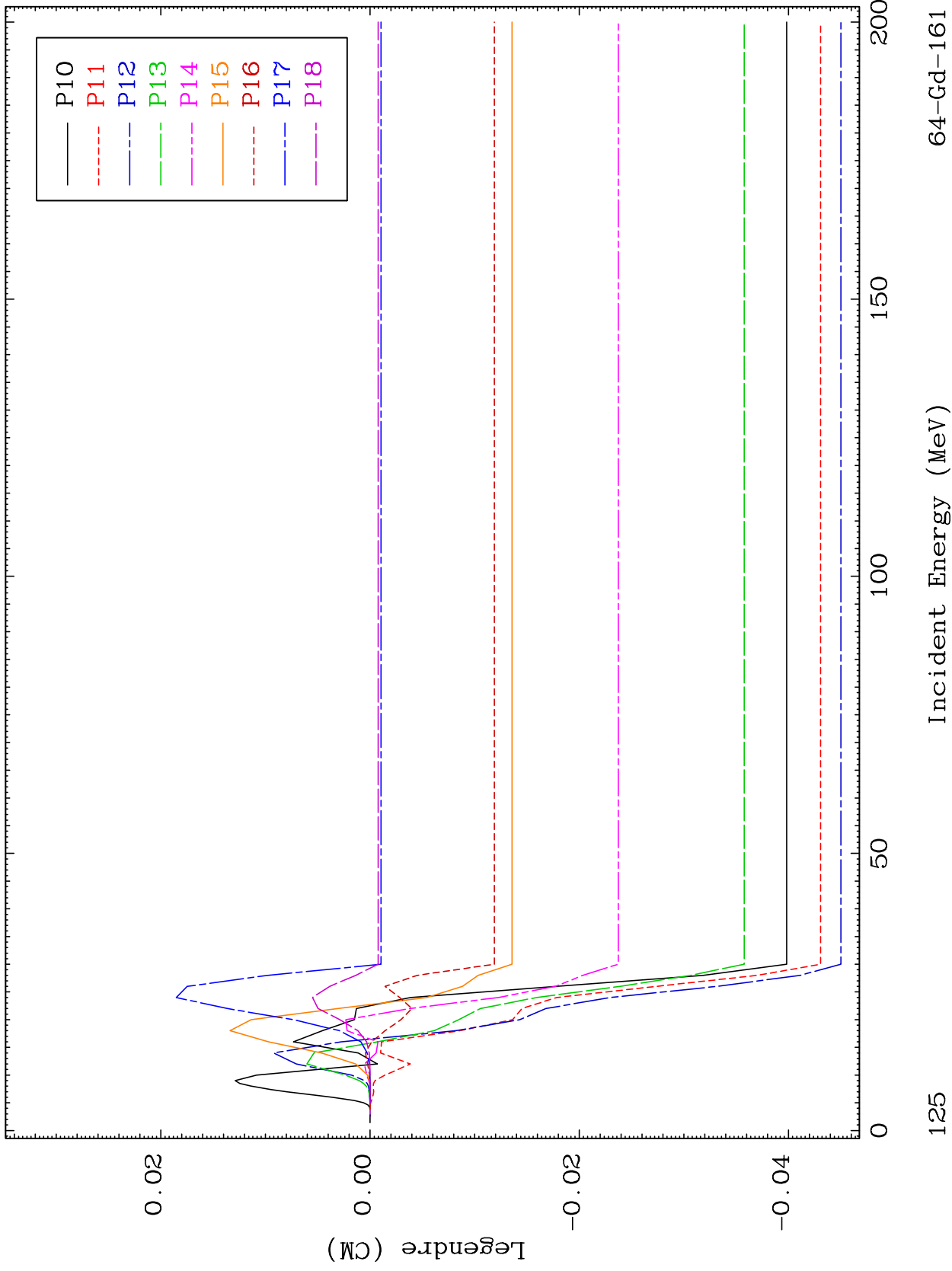
124

64-Gd-161

MAT 6452

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

64-Gd-161



64-Gd-161

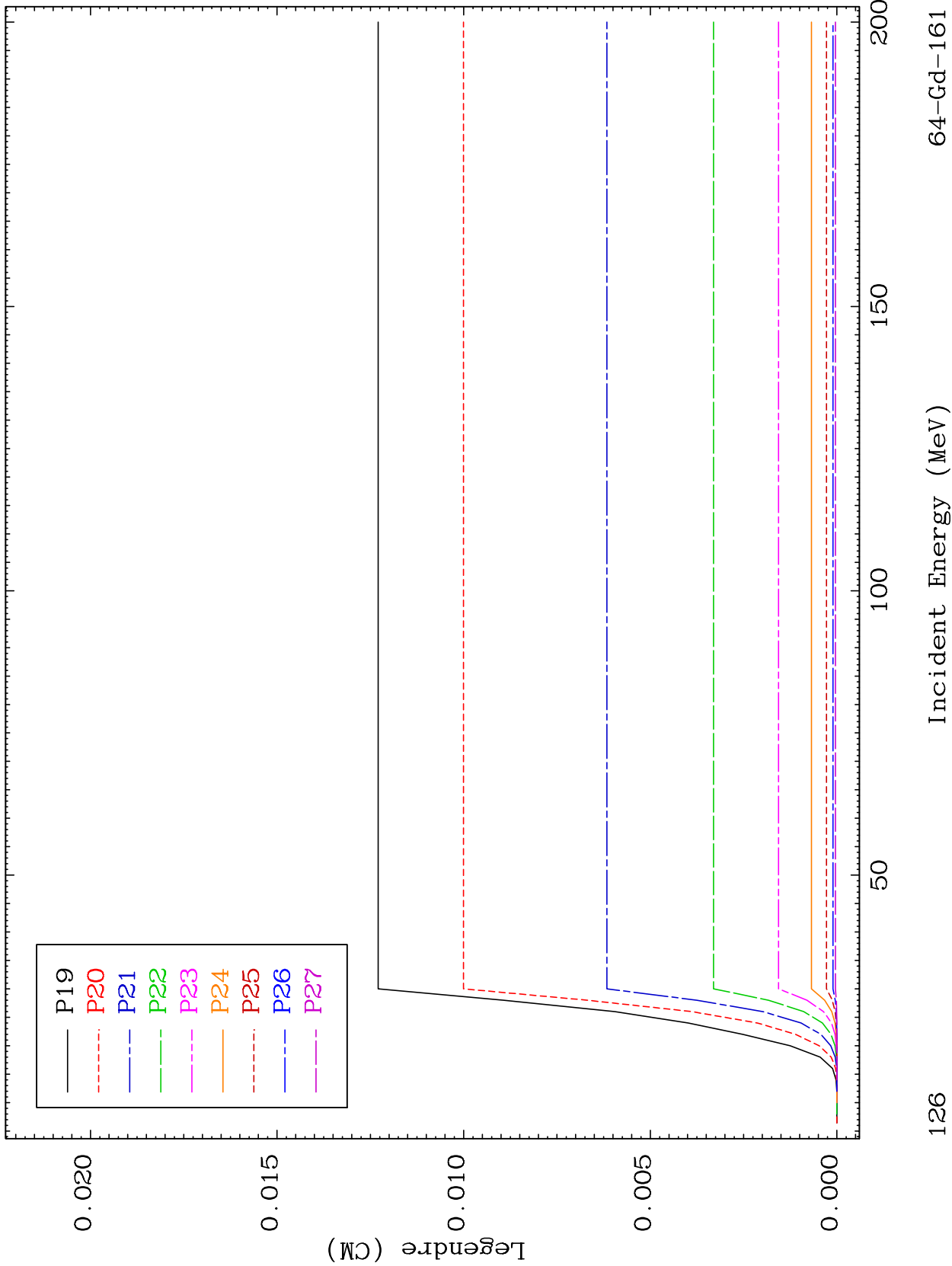
Incident Energy (MeV)

125

MAT 6452

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

64-Gd-161



126

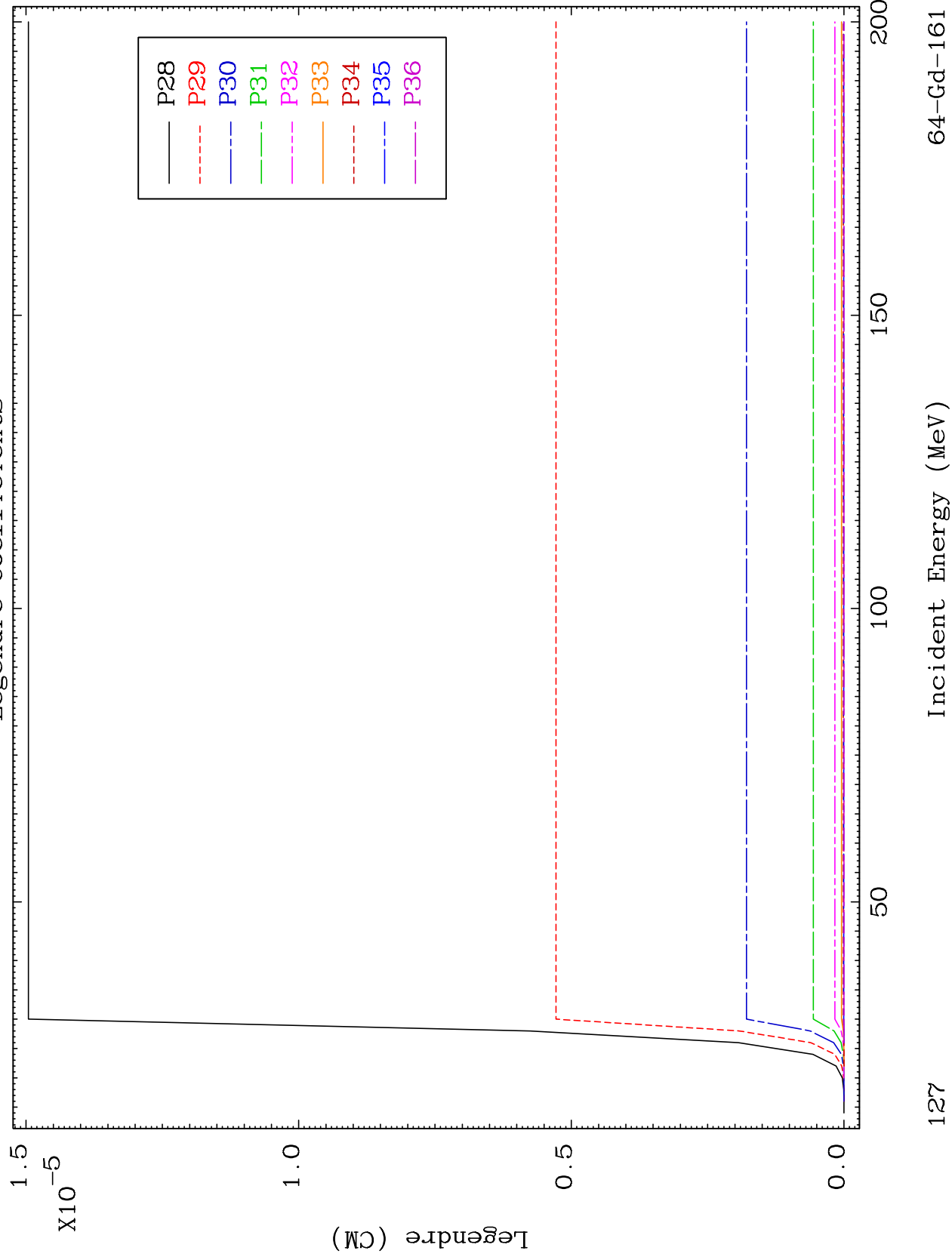
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



127

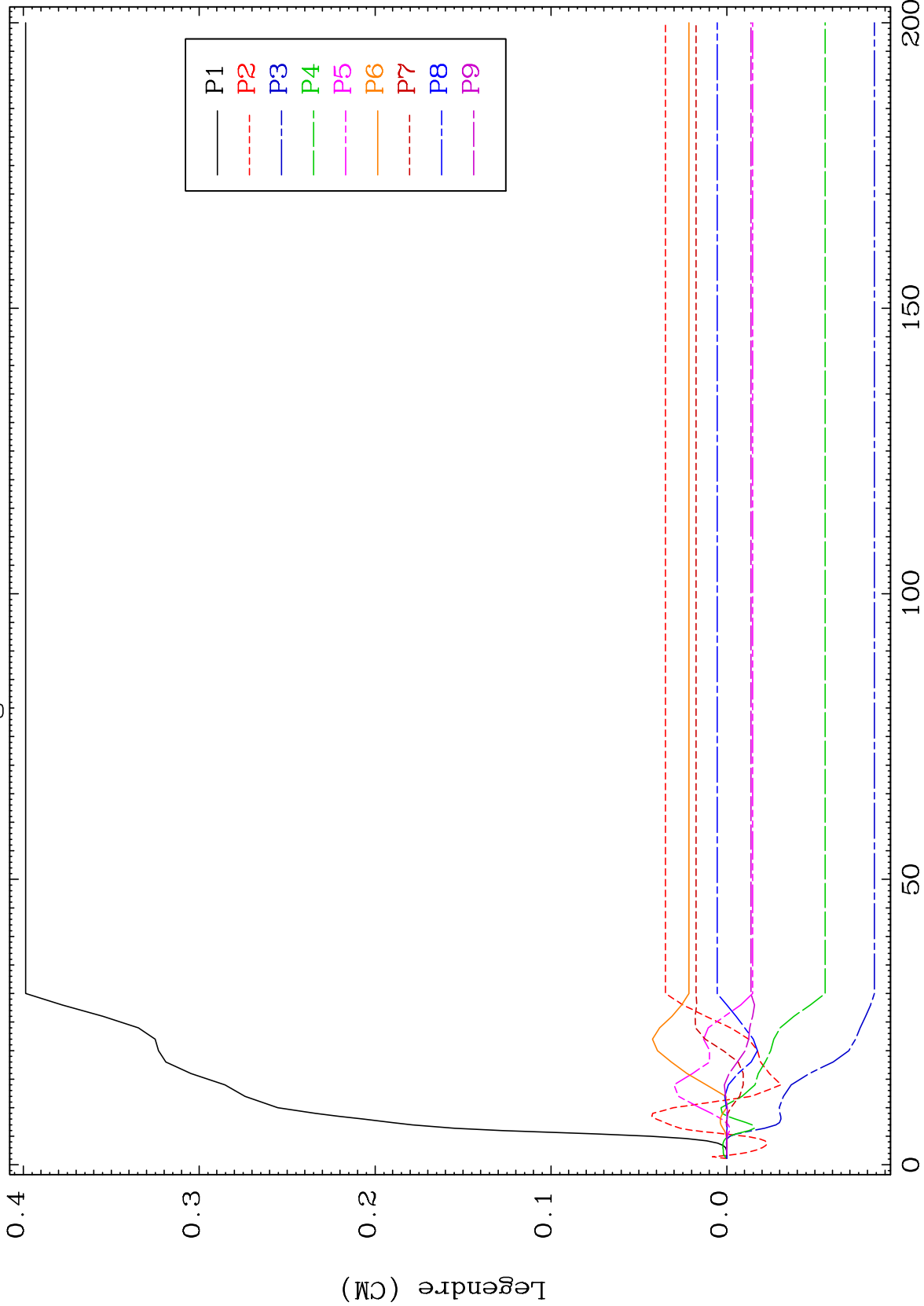
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



64-Gd-161

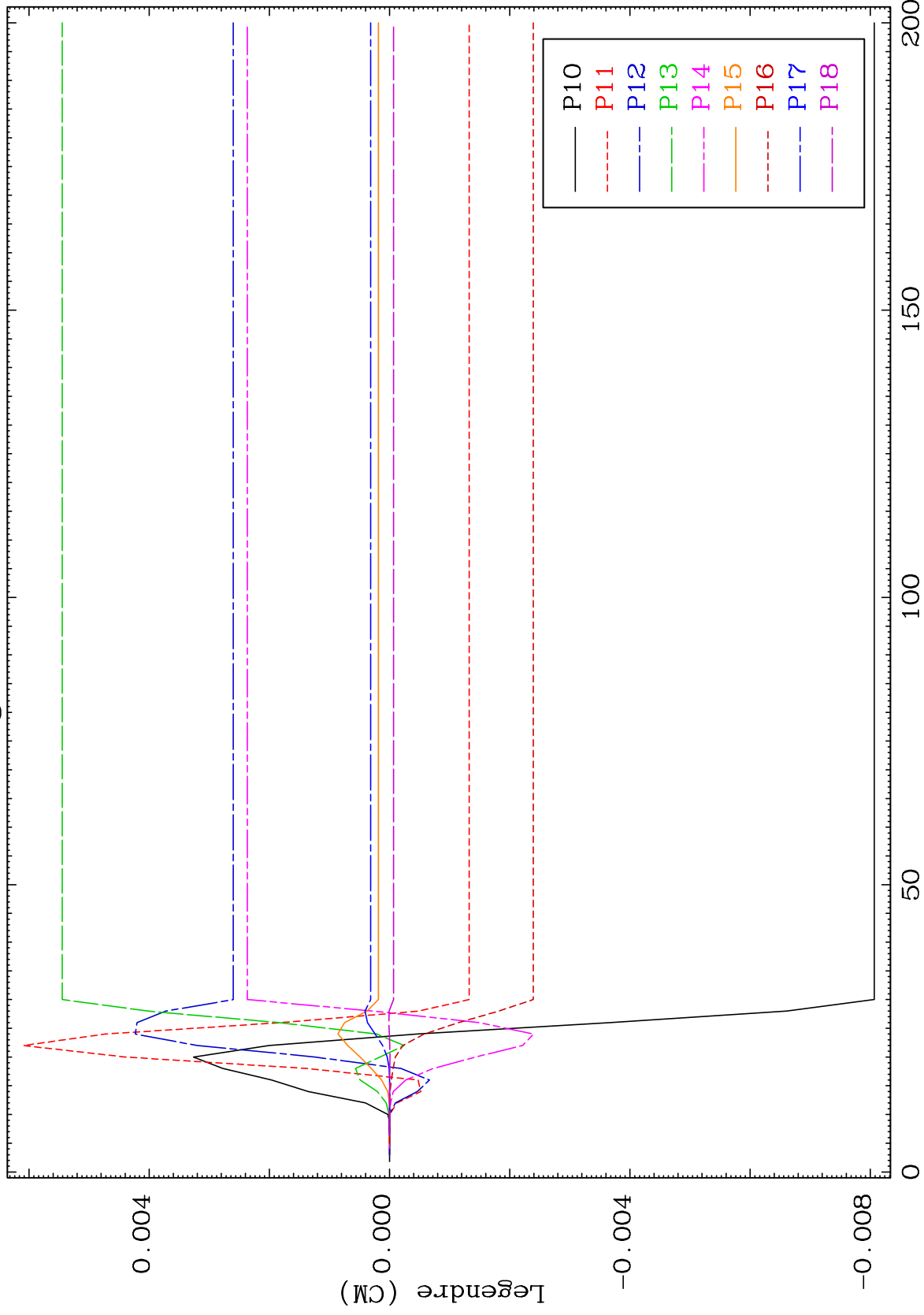
Incident Energy (MeV)

128

MAT 6452

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

64-Gd-161



129

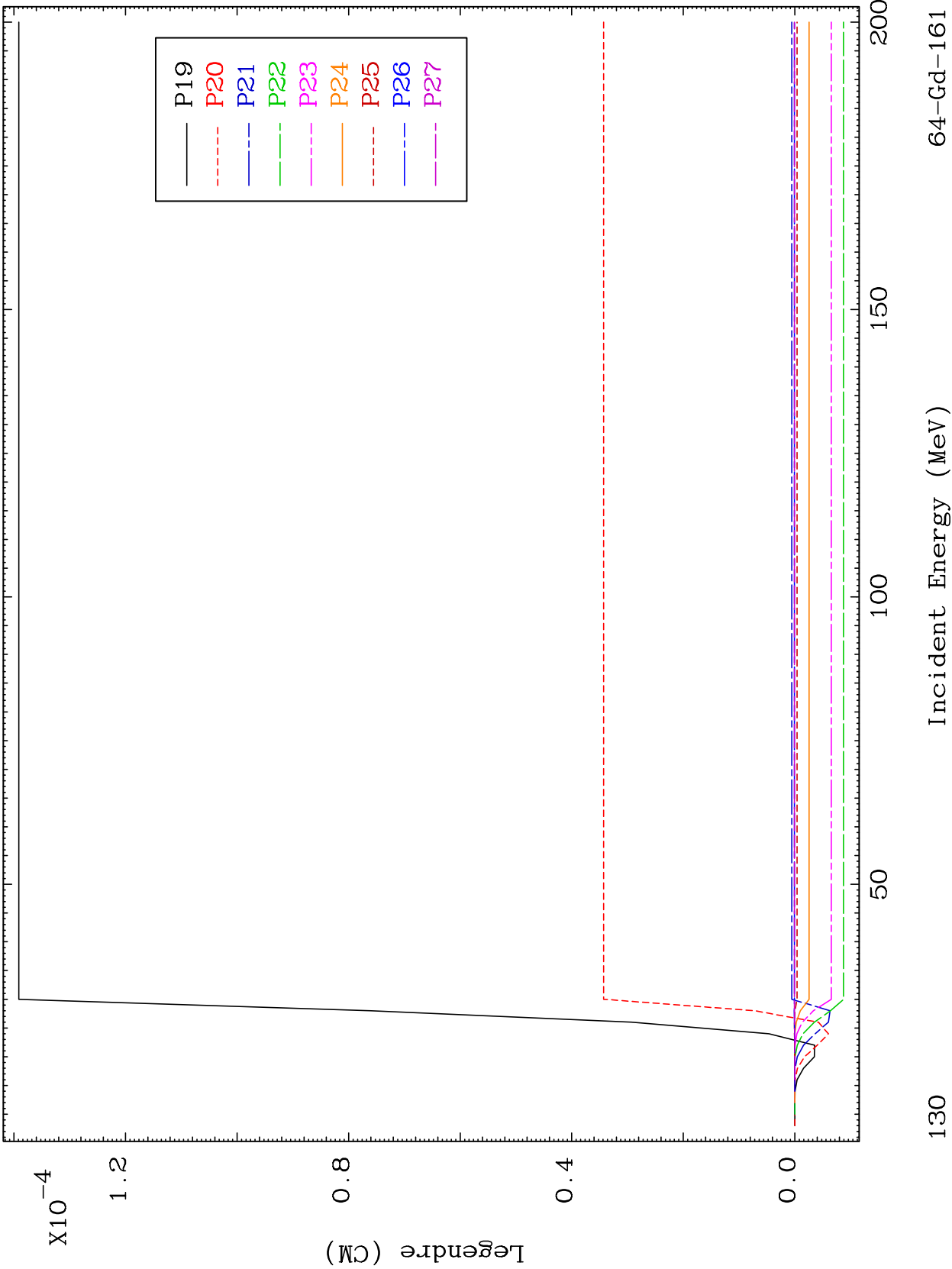
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



130

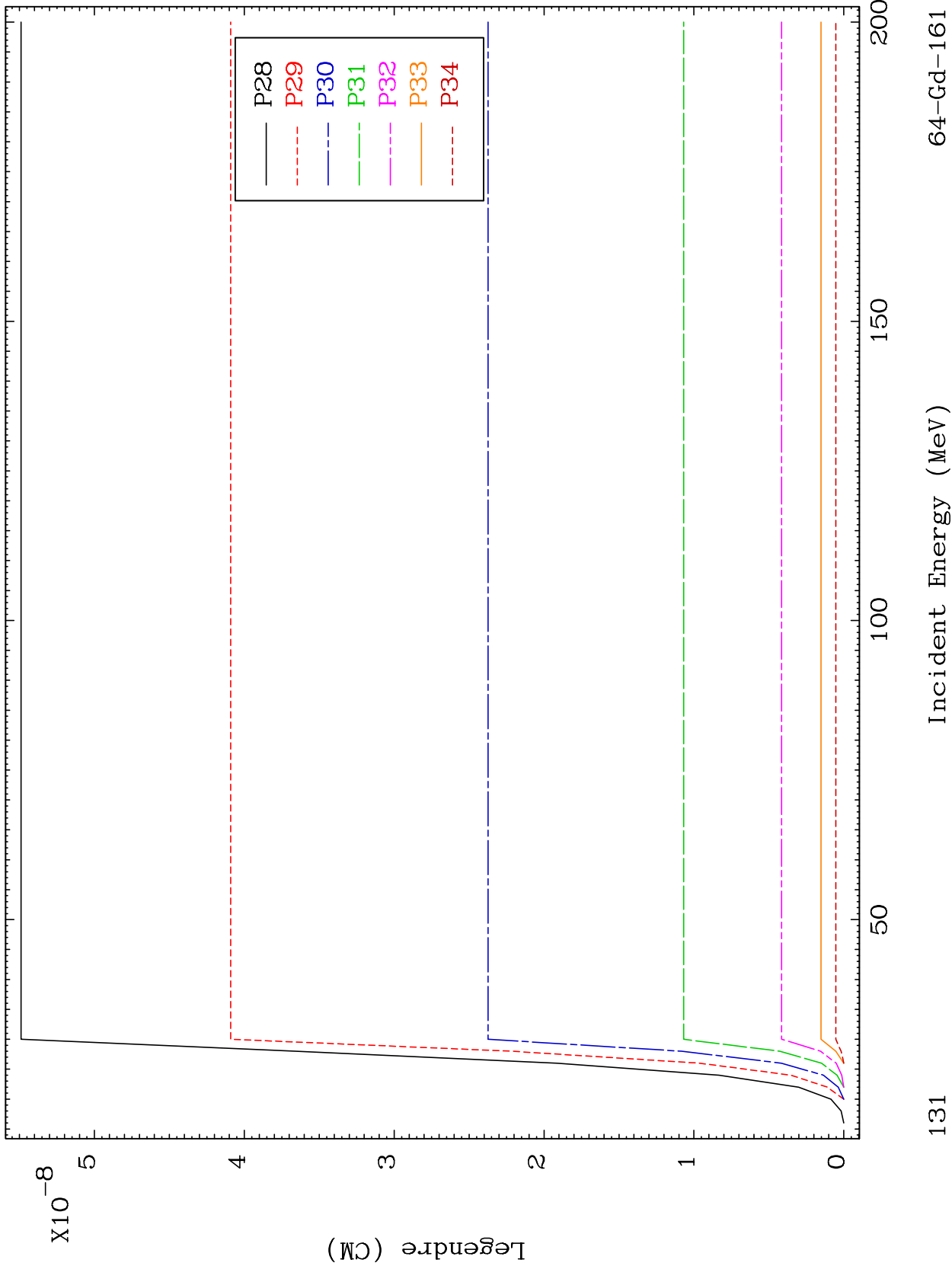
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

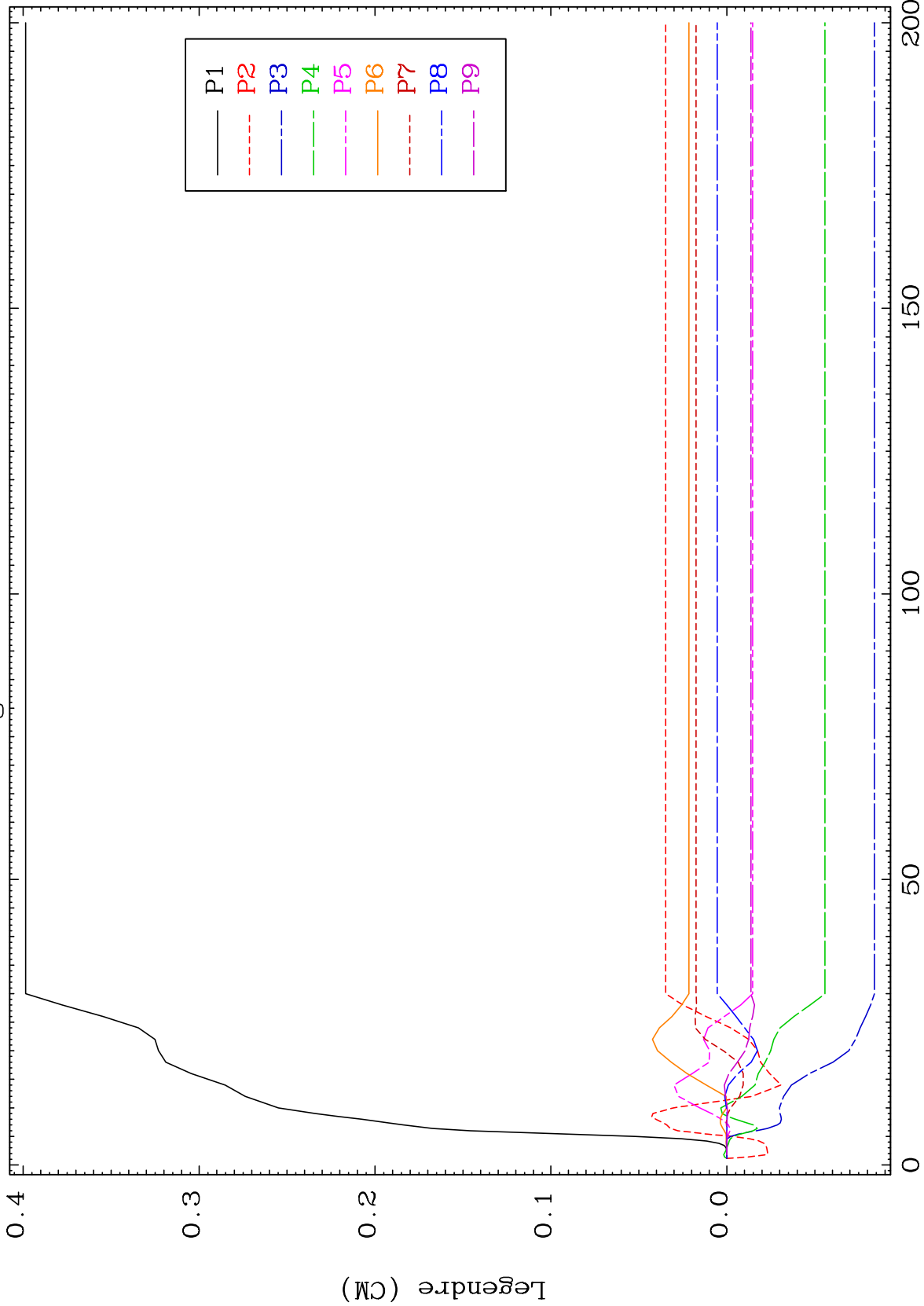
64-Gd-161



MAT 6452

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

64-Gd-161



64-Gd-161

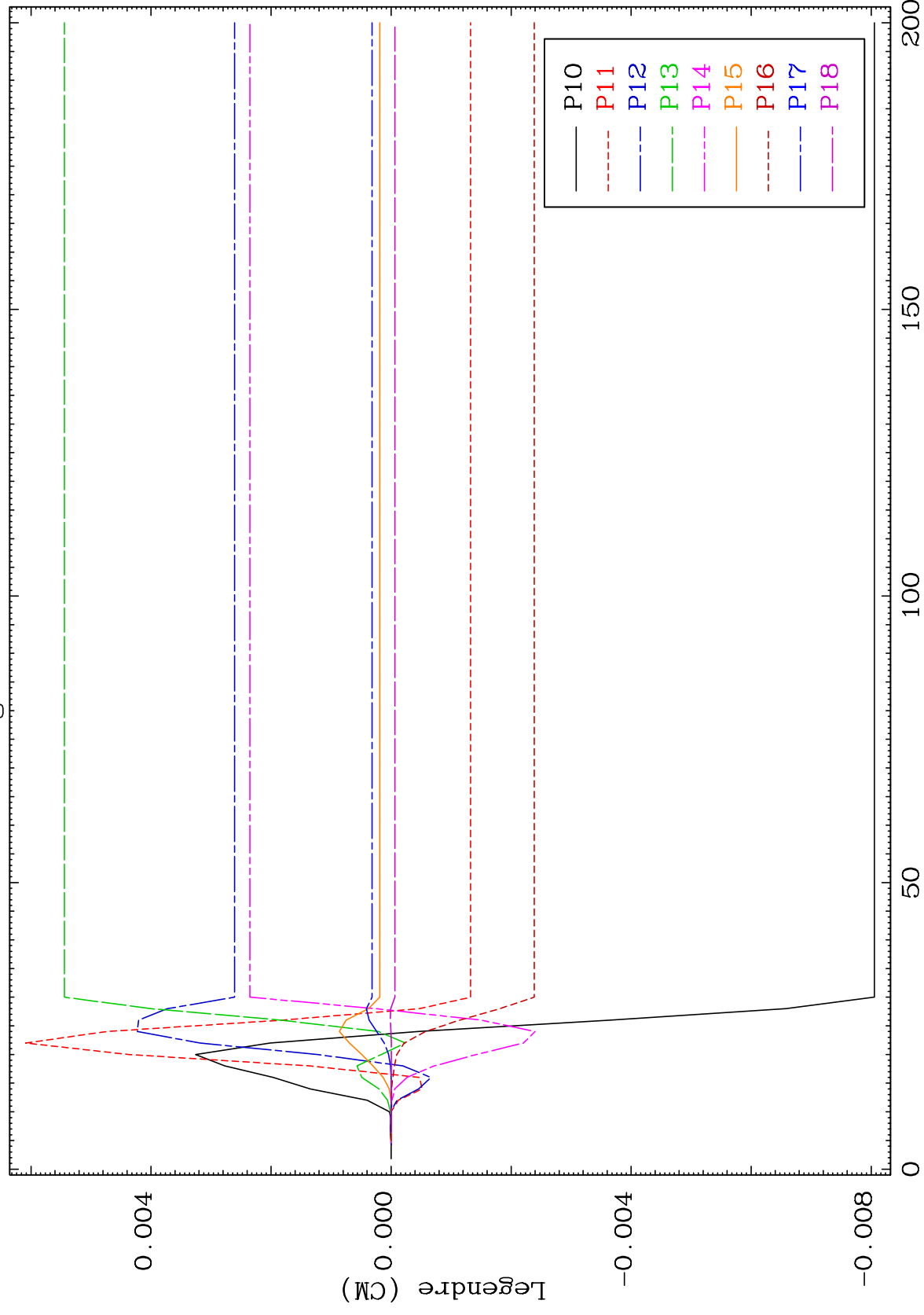
Incident Energy (MeV)

132

MAT 6452

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

64-Gd-161



133

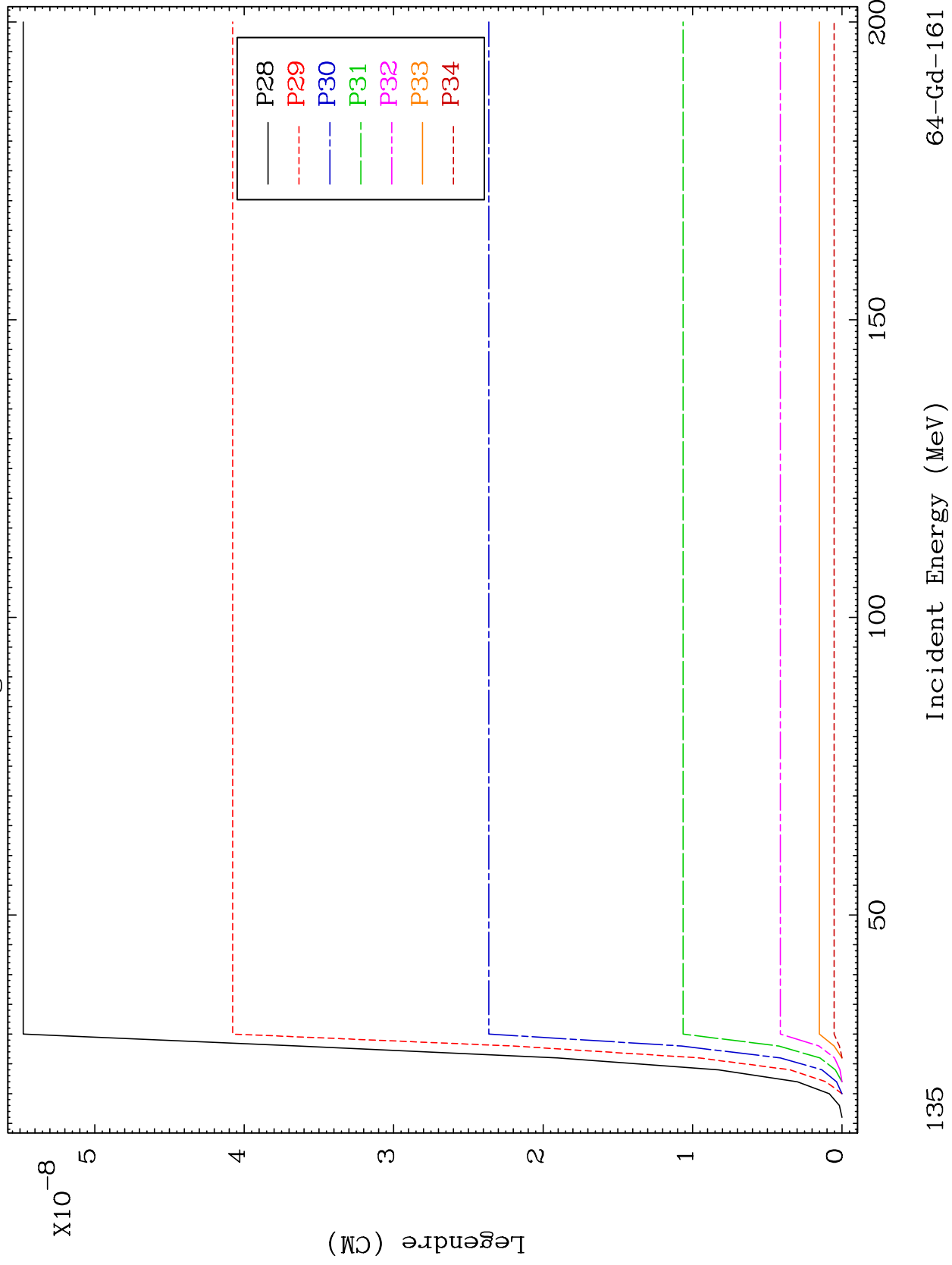
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

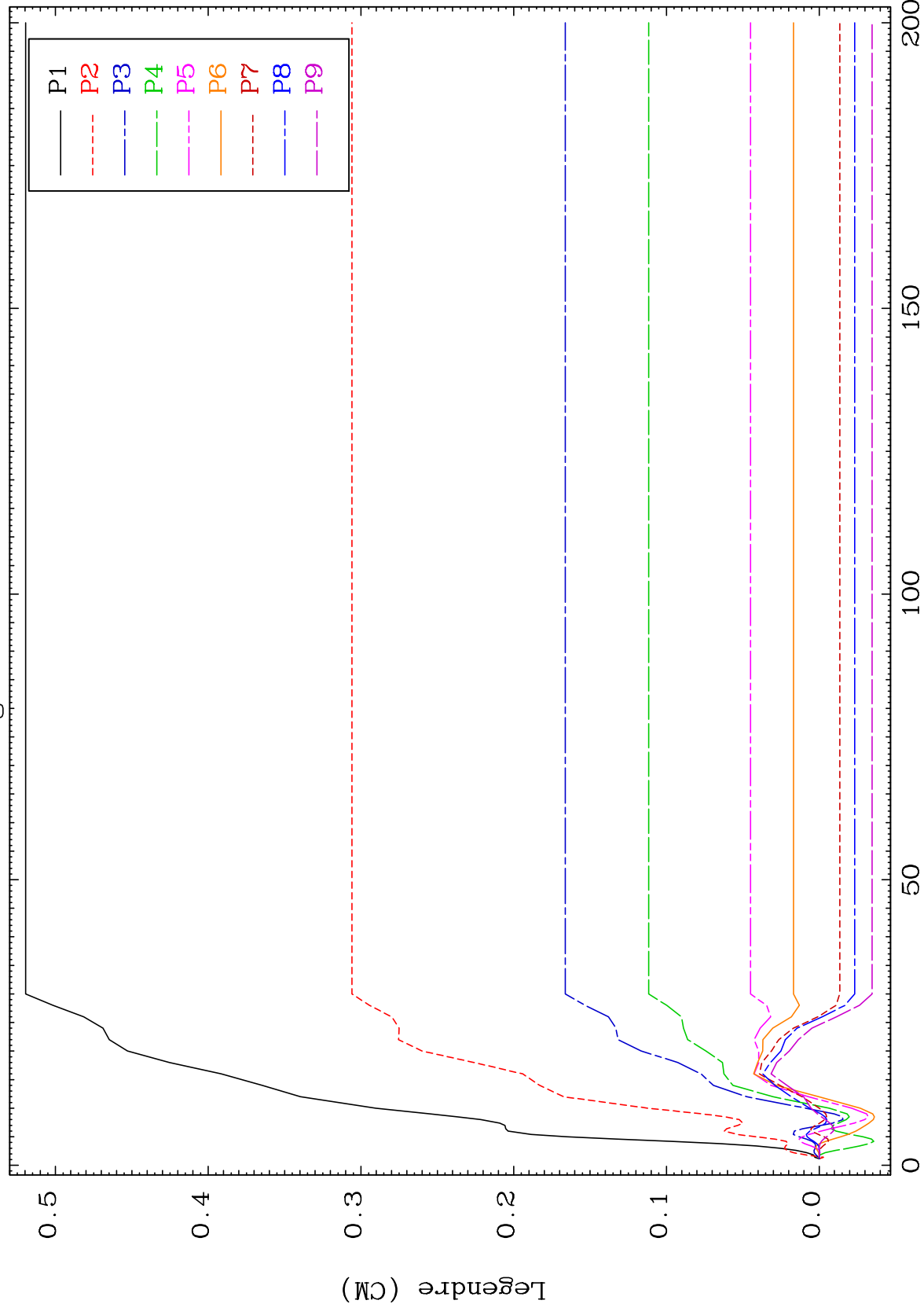
64-Gd-161



MAT 6452

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

64-Gd-161



64-Gd-161

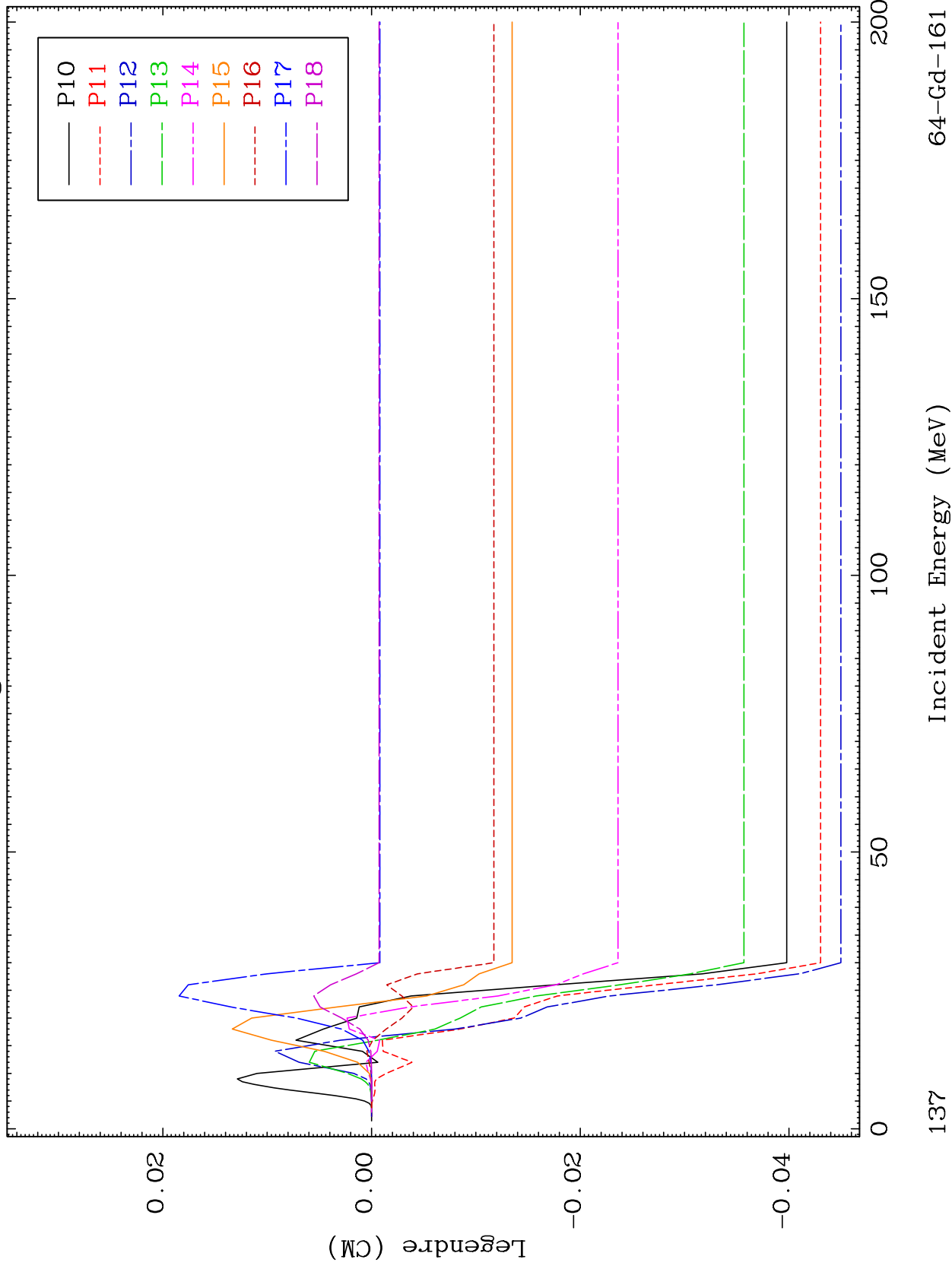
Incident Energy (MeV)

136

MAT 6452

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

64-Gd-161



137

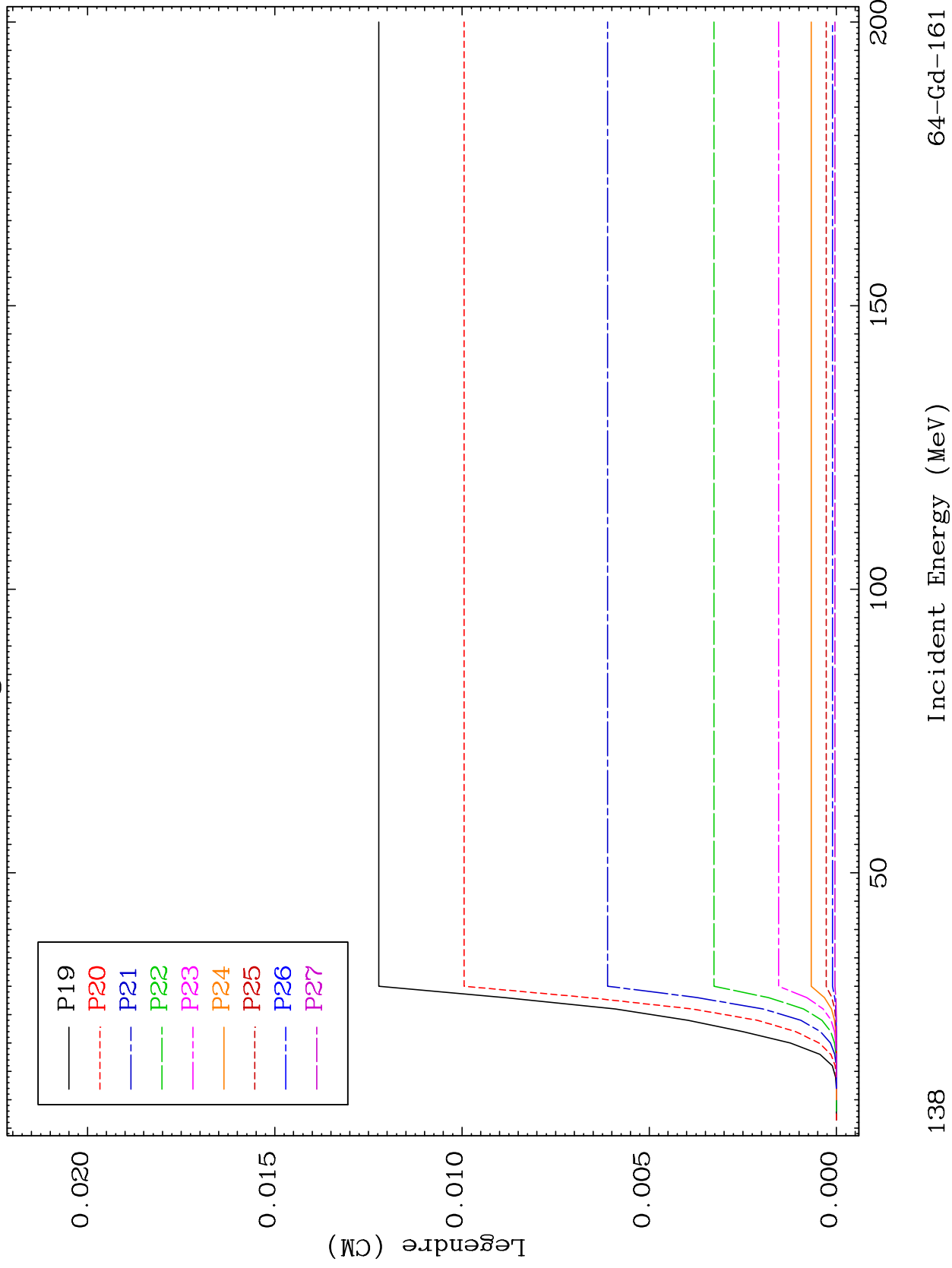
Incident Energy (MeV)

64-Gd-161

MAT 6452

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

64-Gd-161



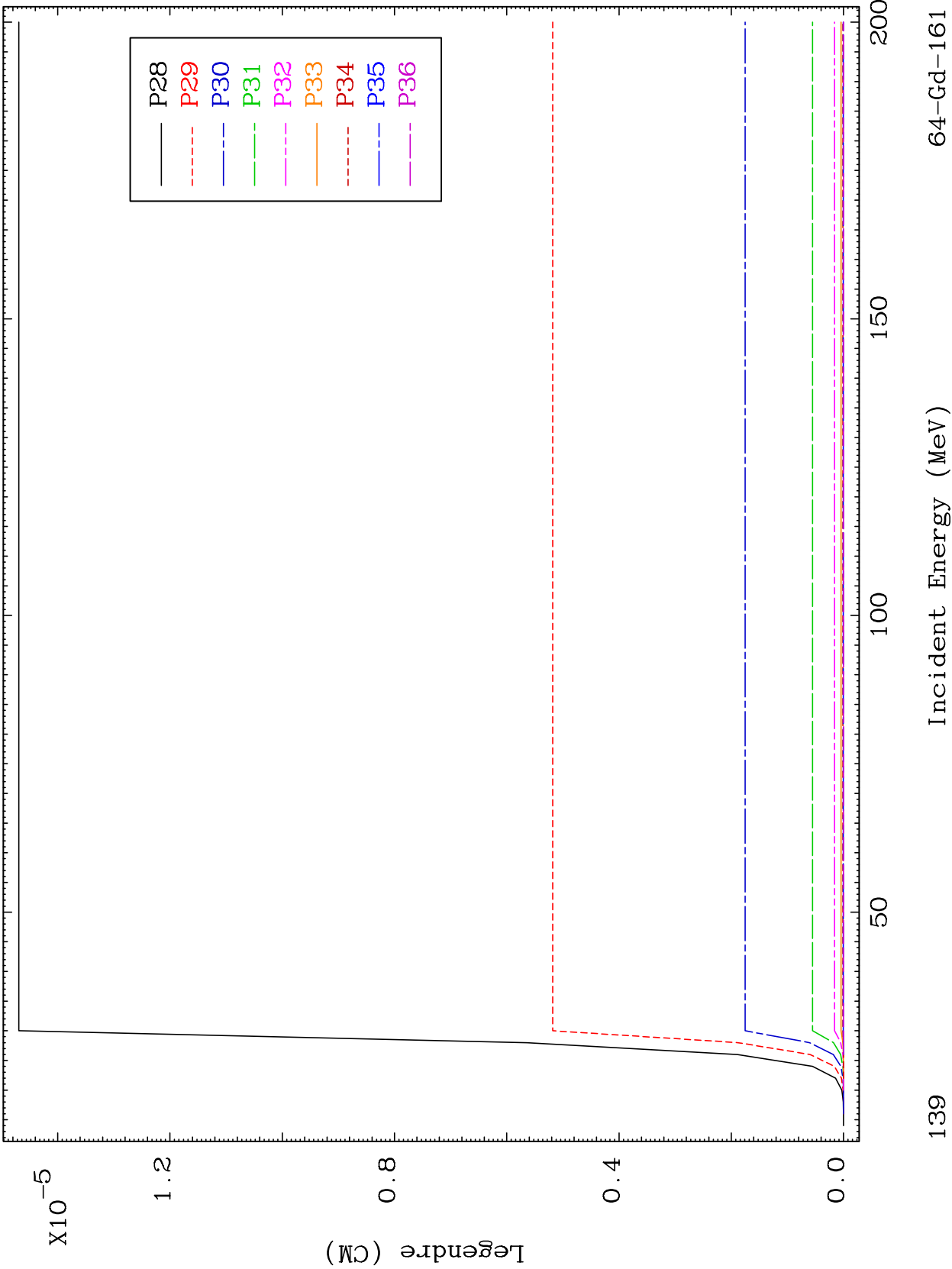
138

64-Gd-161

MAT 6452

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

64-Gd-161

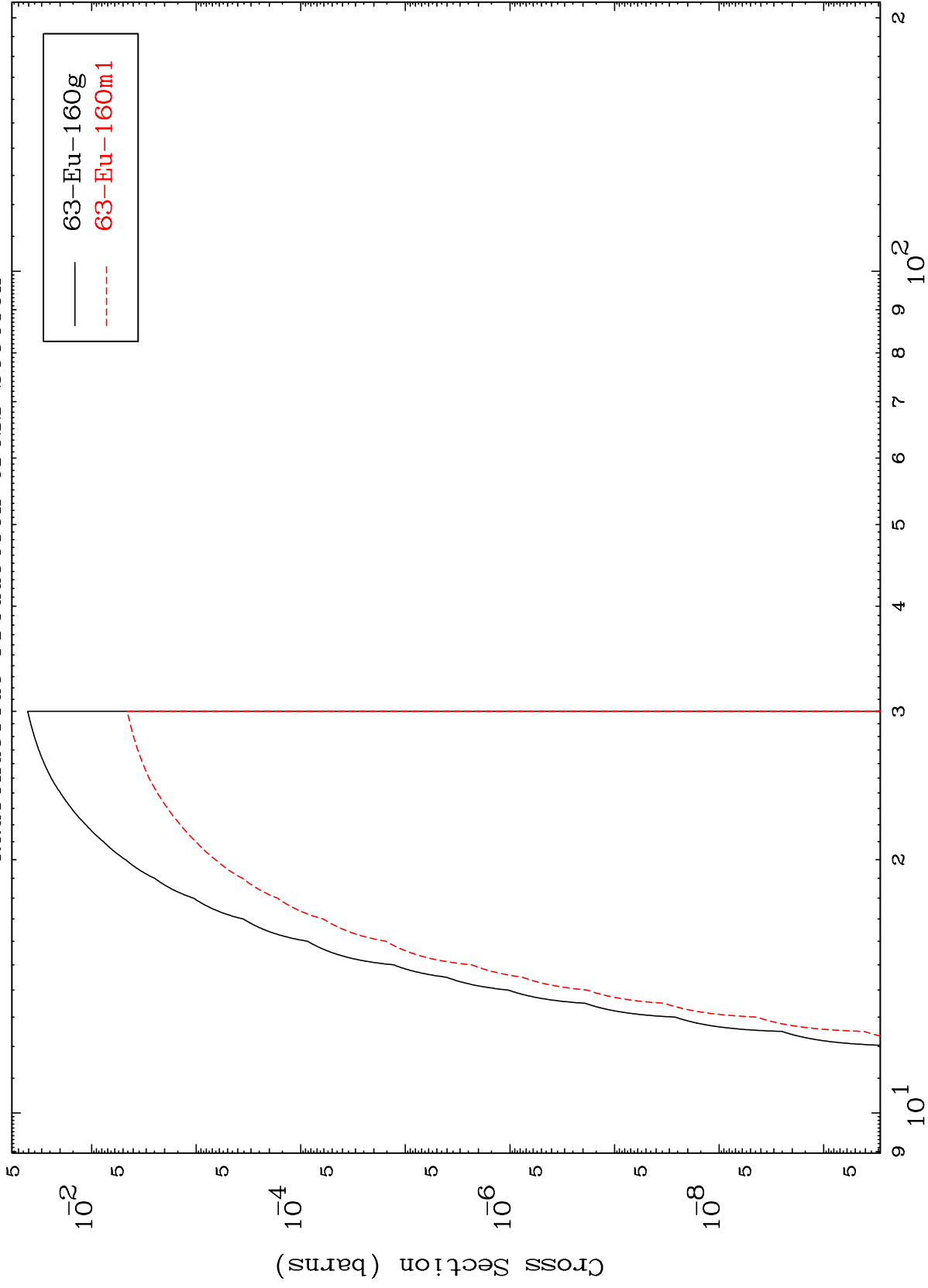


MAT 6452

(n,n') p

64-Gd-161

Radionuclide Production Cross Section



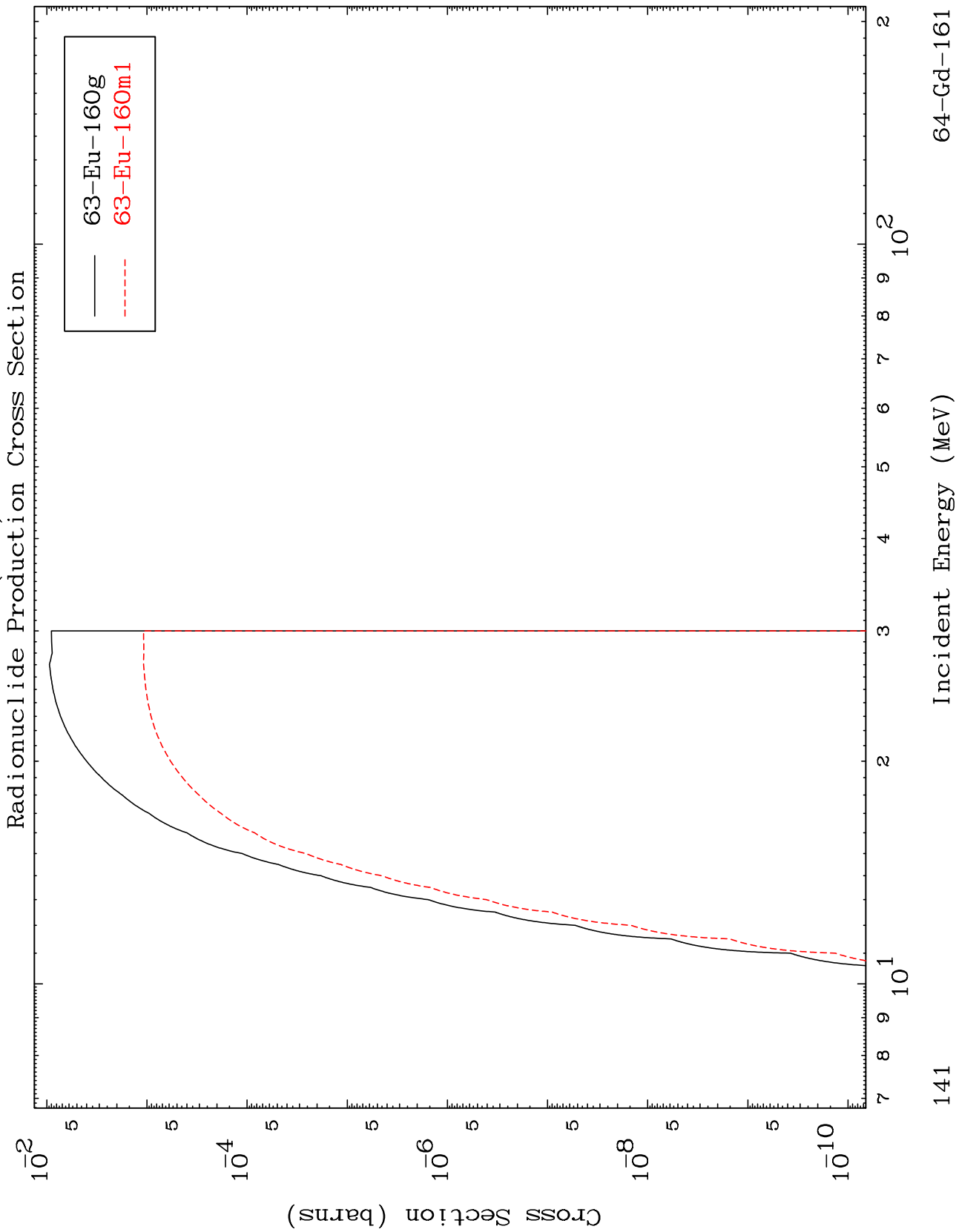
Incident Energy (MeV)

64-Gd-161

MAT 6452

(n,d)

64-Gd-161



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64-Gd-161