

Program EVALPLOT
(Version 2018-1)

by

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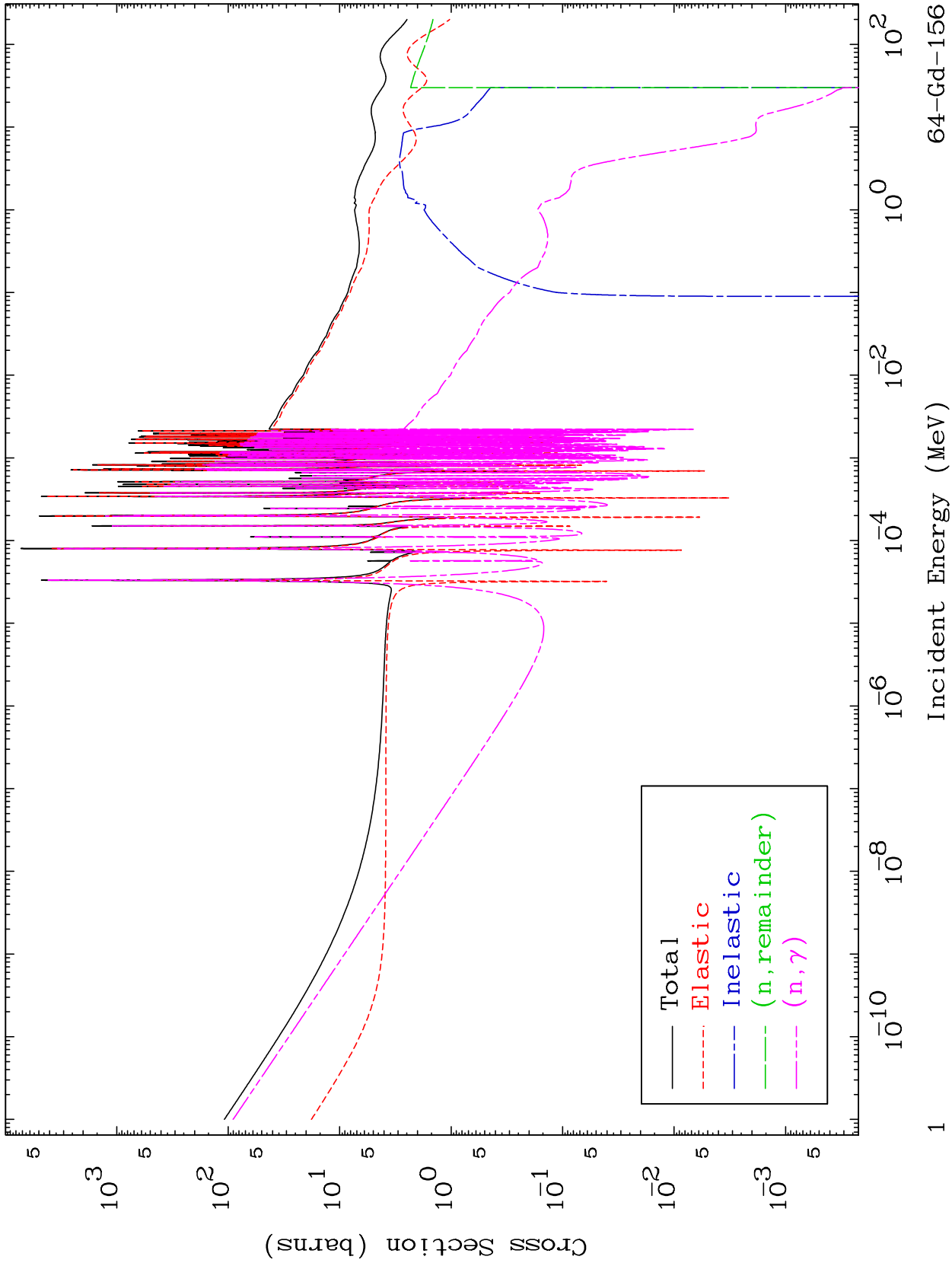
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6437

Major
293 Kelvin Cross Sections

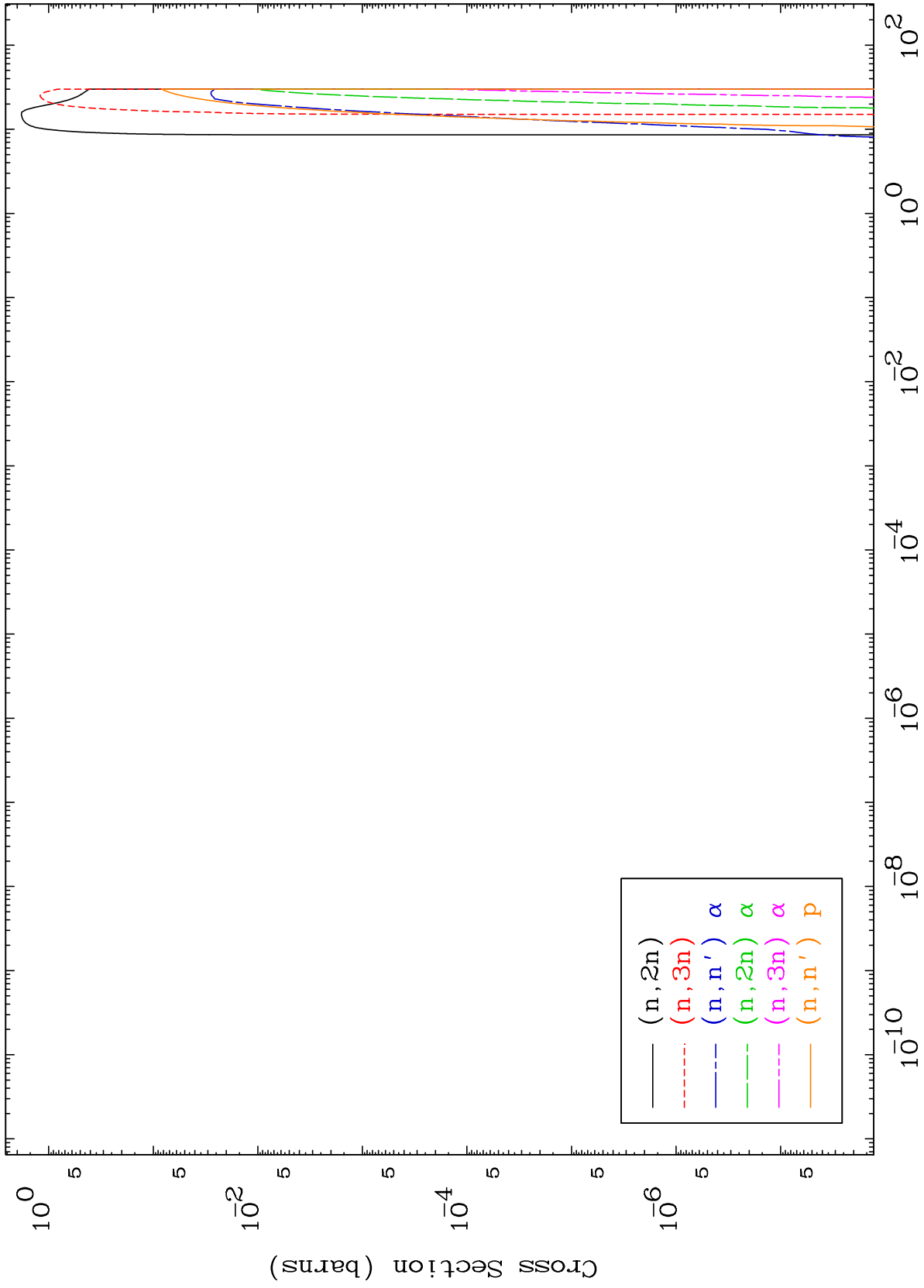
64-Gd-156

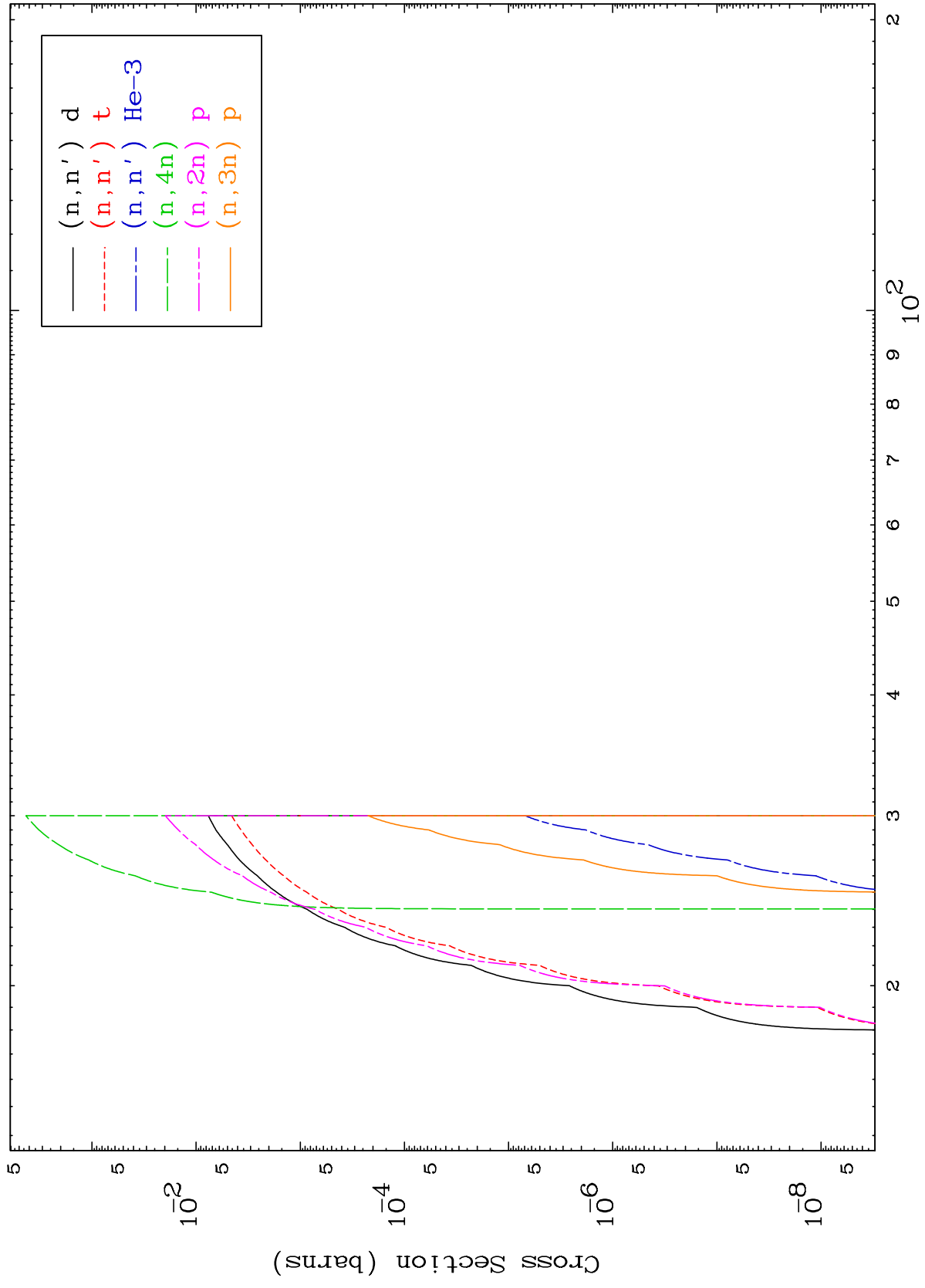


MAT 6437

Neutron Production
293 Kelvin Cross Sections

64-Gd-156

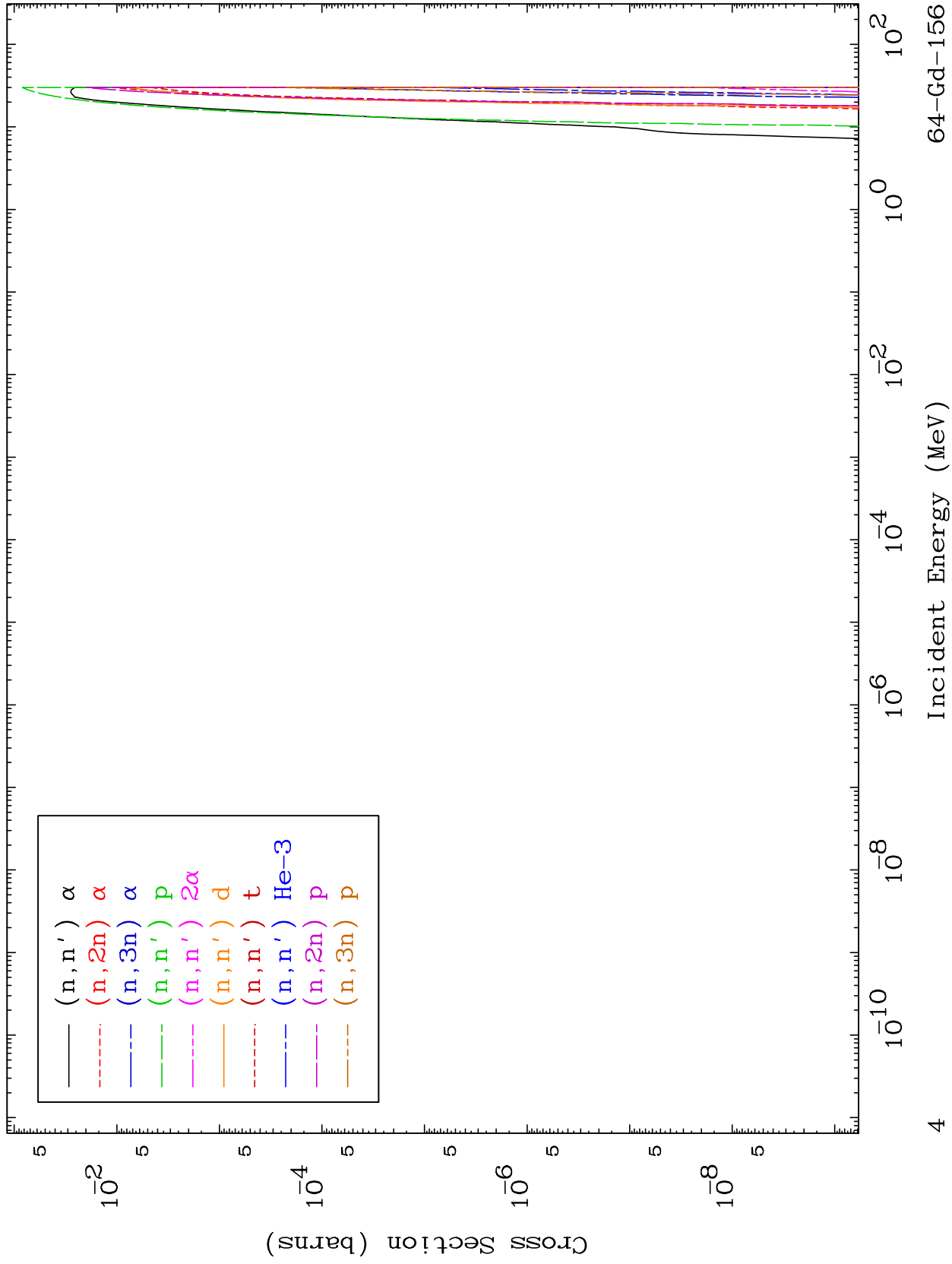




MAT 6437

293 Charged Particle
Kelvin Cross Sections

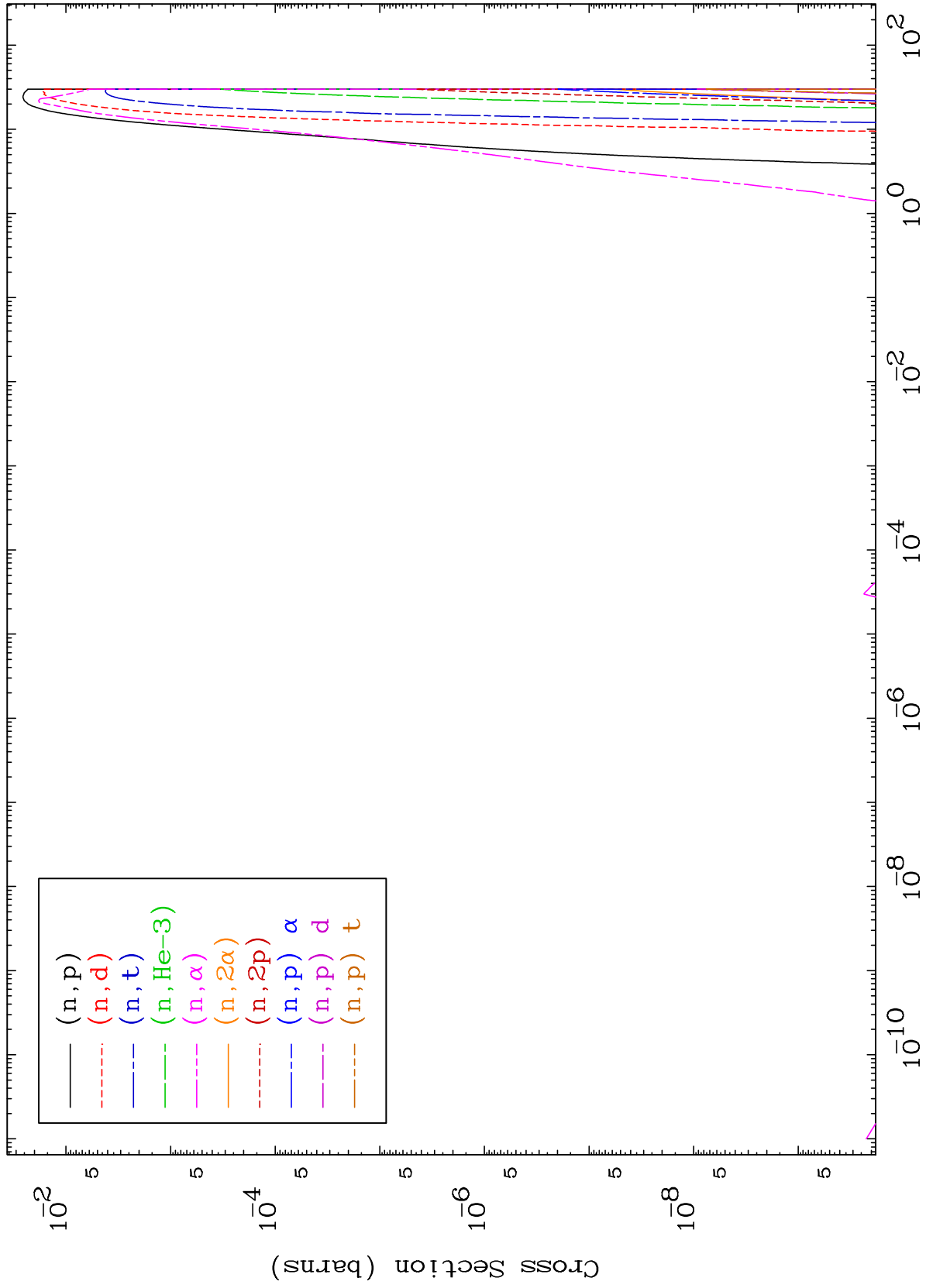
64-Gd-156



MAT 6437

293 Charged Particle
Kelvin Cross Sections

64-Gd-156



5

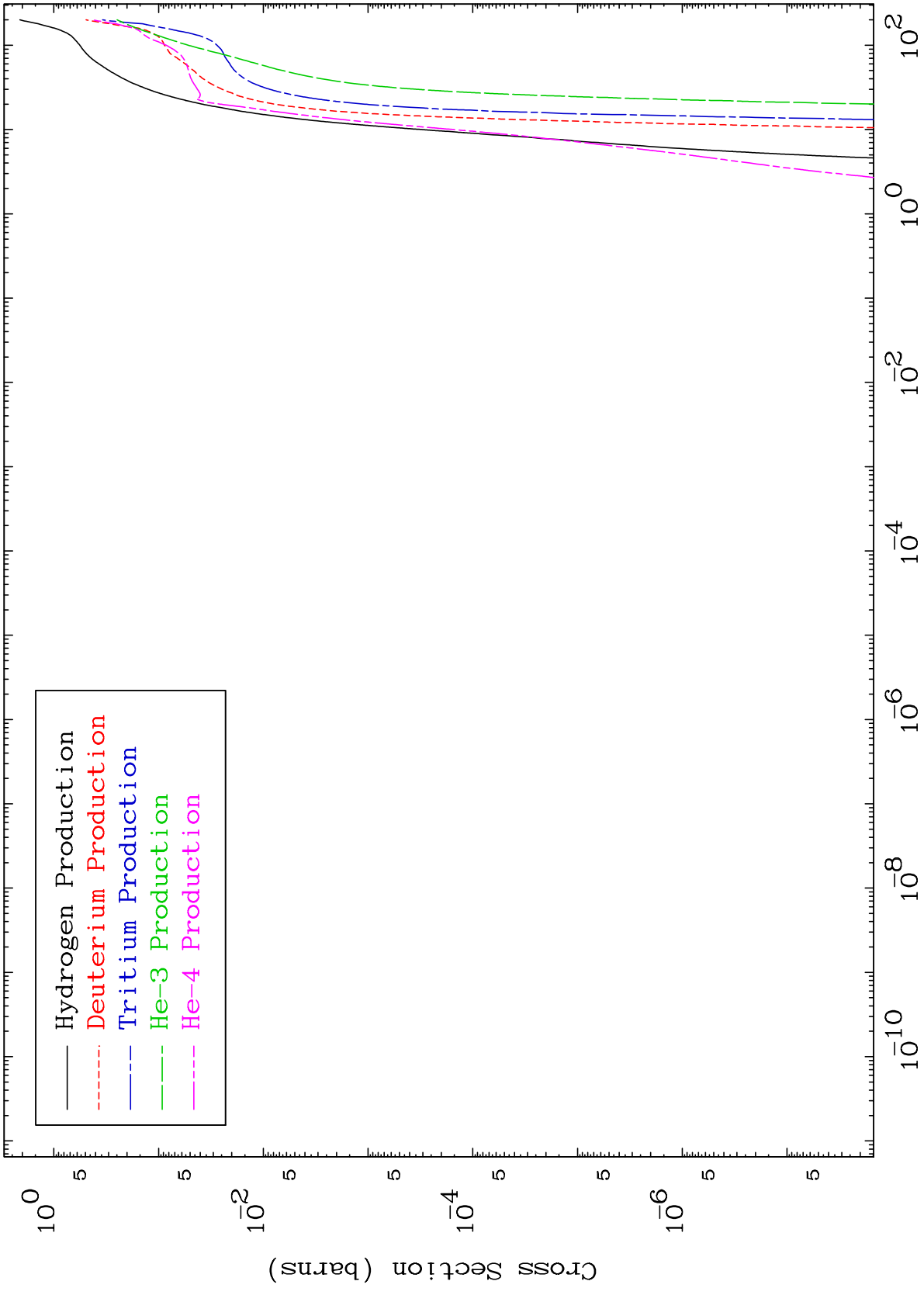
Incident Energy (MeV)

64-Gd-156

MAT 6437

Particle Production
293 Kelvin Cross Sections

64-Gd-156



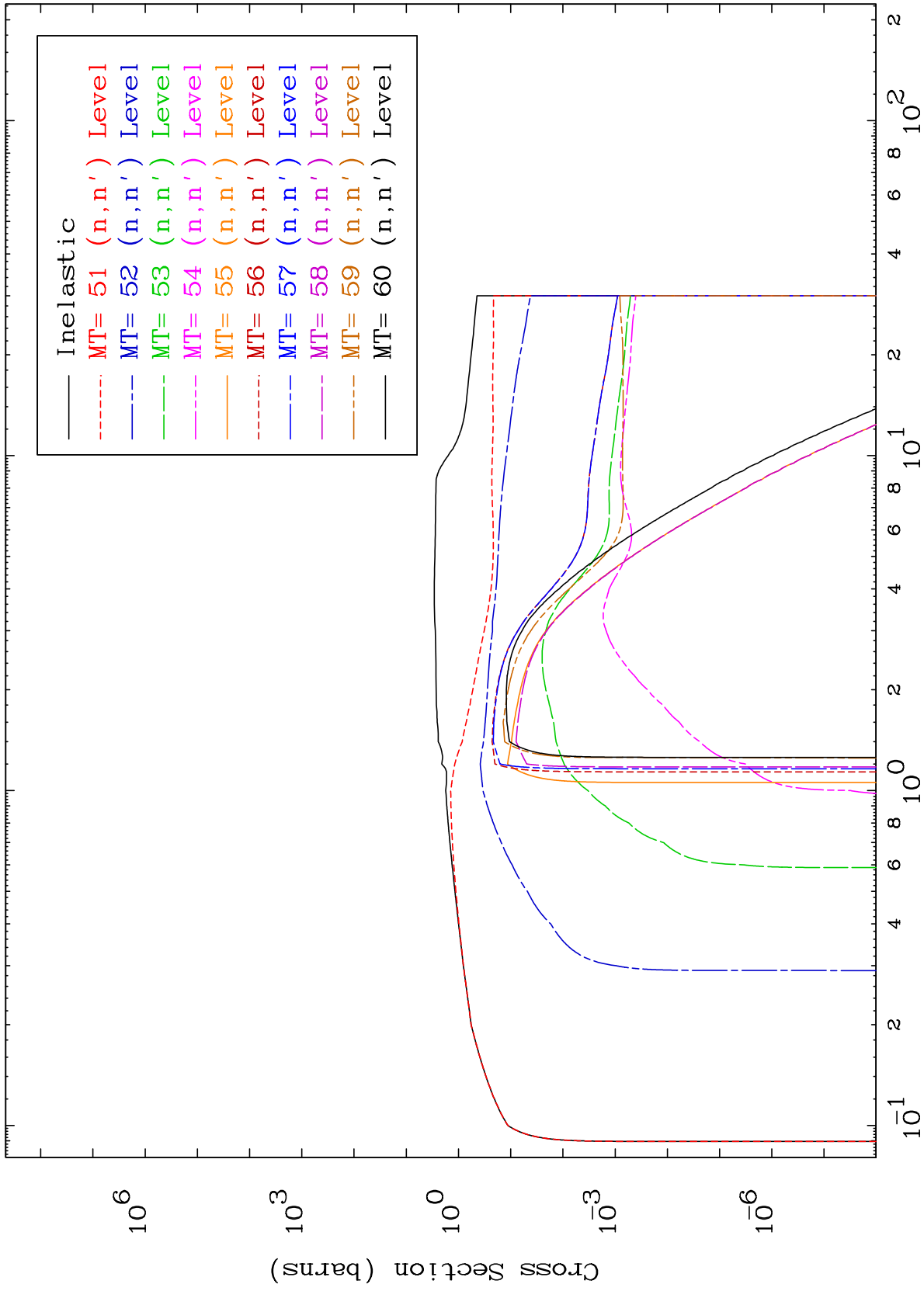
64-Gd-156

MAT 6437

(n,n') Level

64-Gd-156

293 Kelvin Cross Sections



7

Incident Energy (MeV)

64-Gd-156

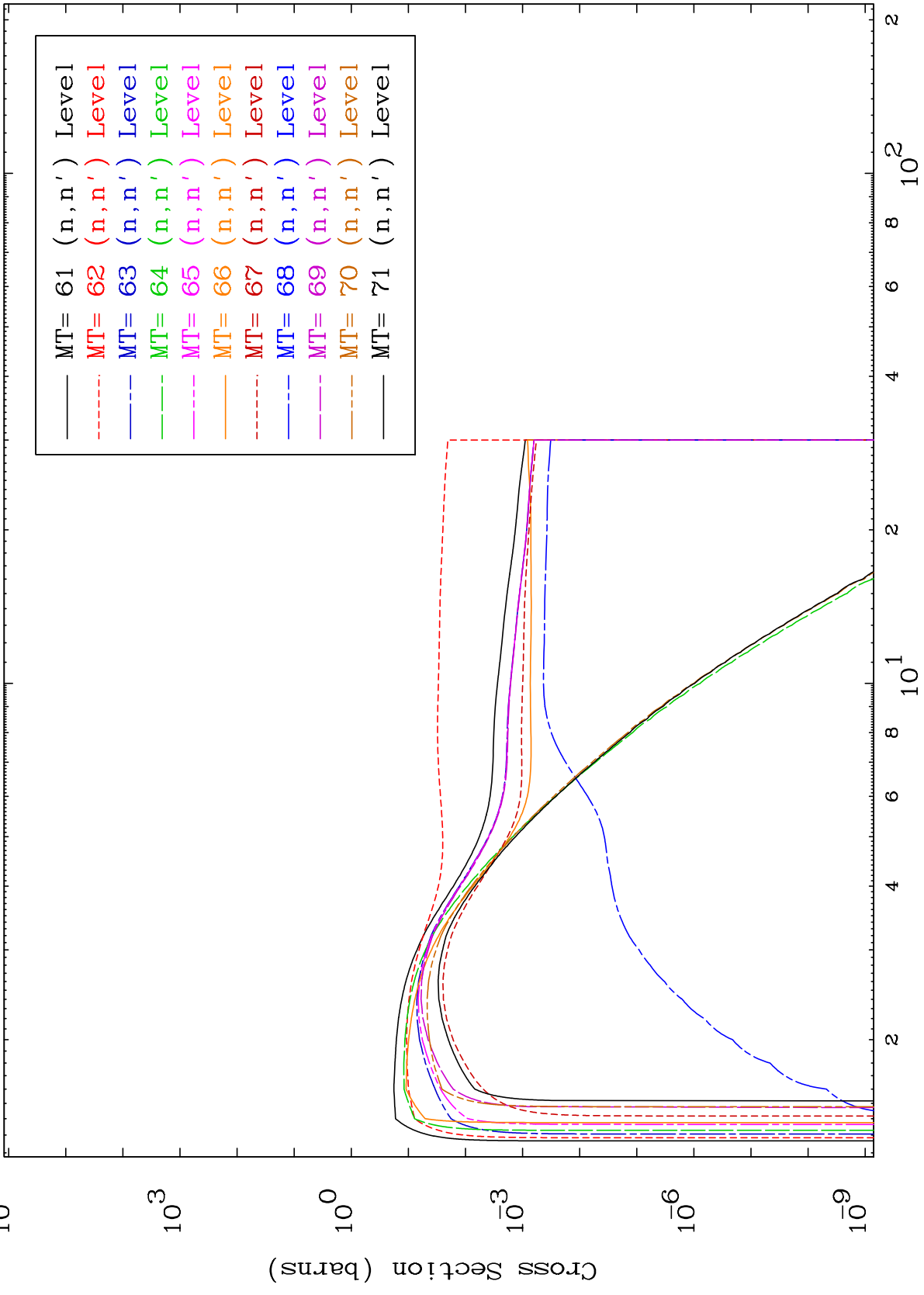
MAT 6437

(n,n') Level

64-Gd-156

293 Kelvin Cross Sections

64-Gd-156



8

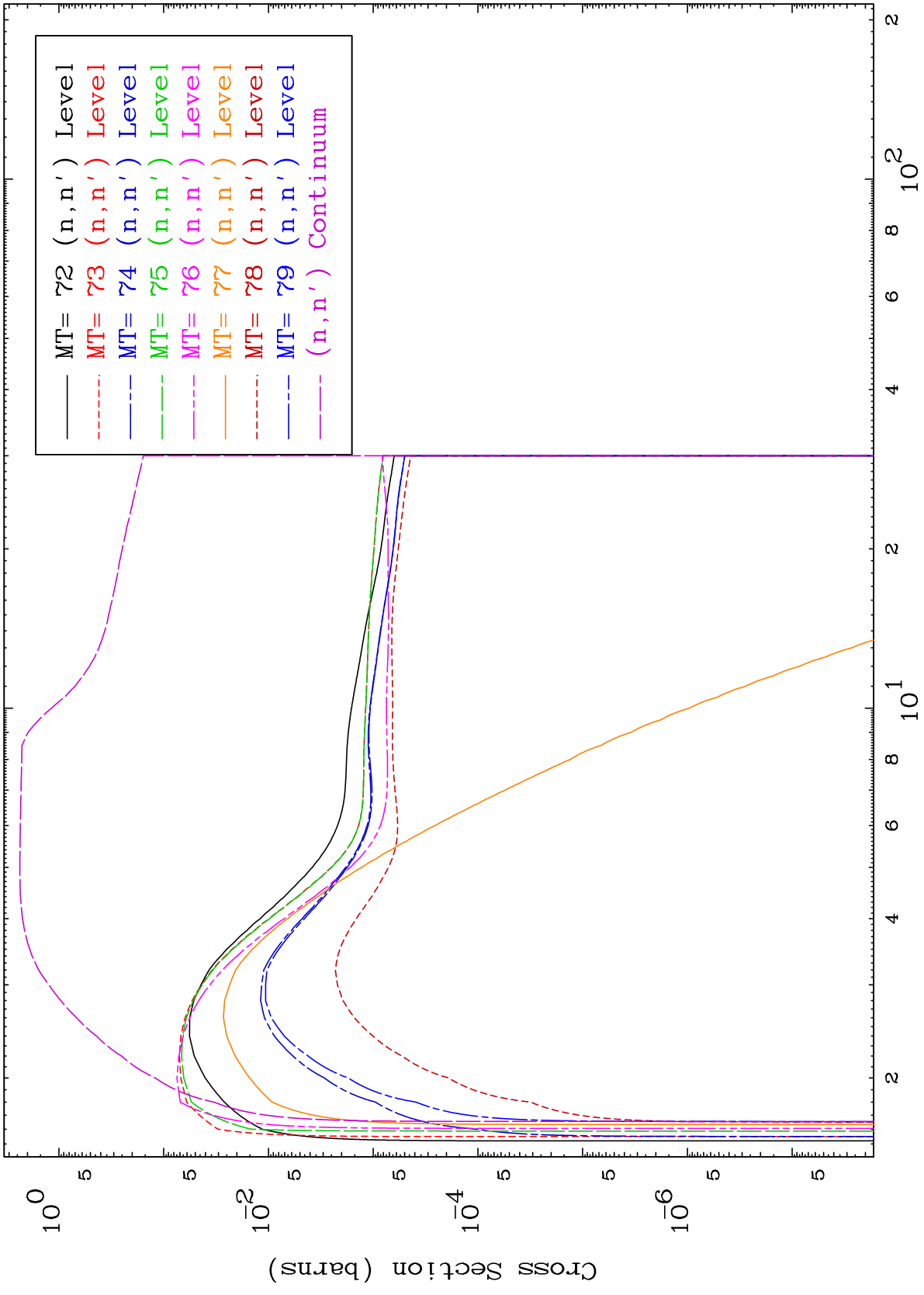
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,n') Level
293 Kelvin Cross Sections

64-Gd-156



9

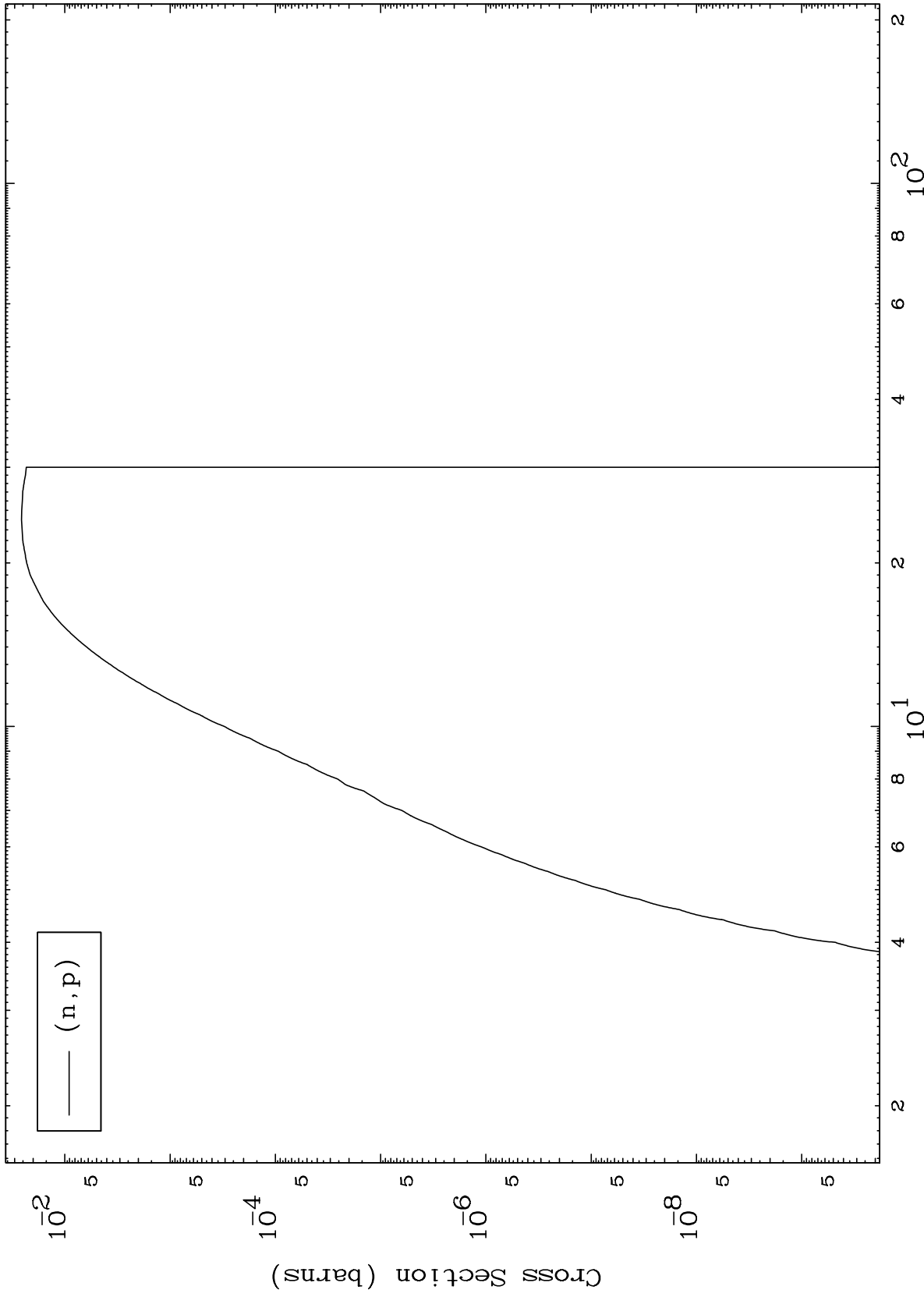
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-156



10

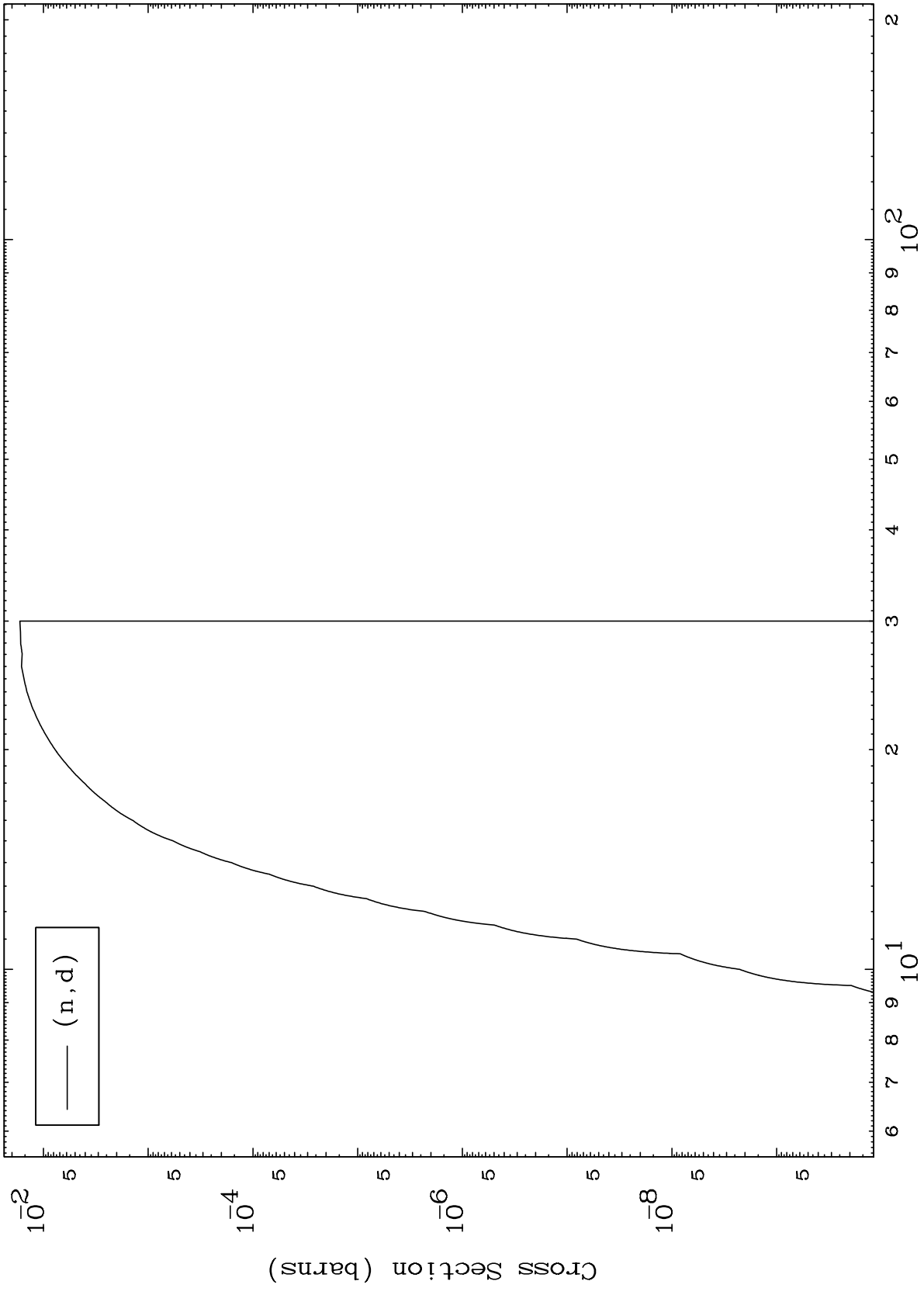
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-156



11

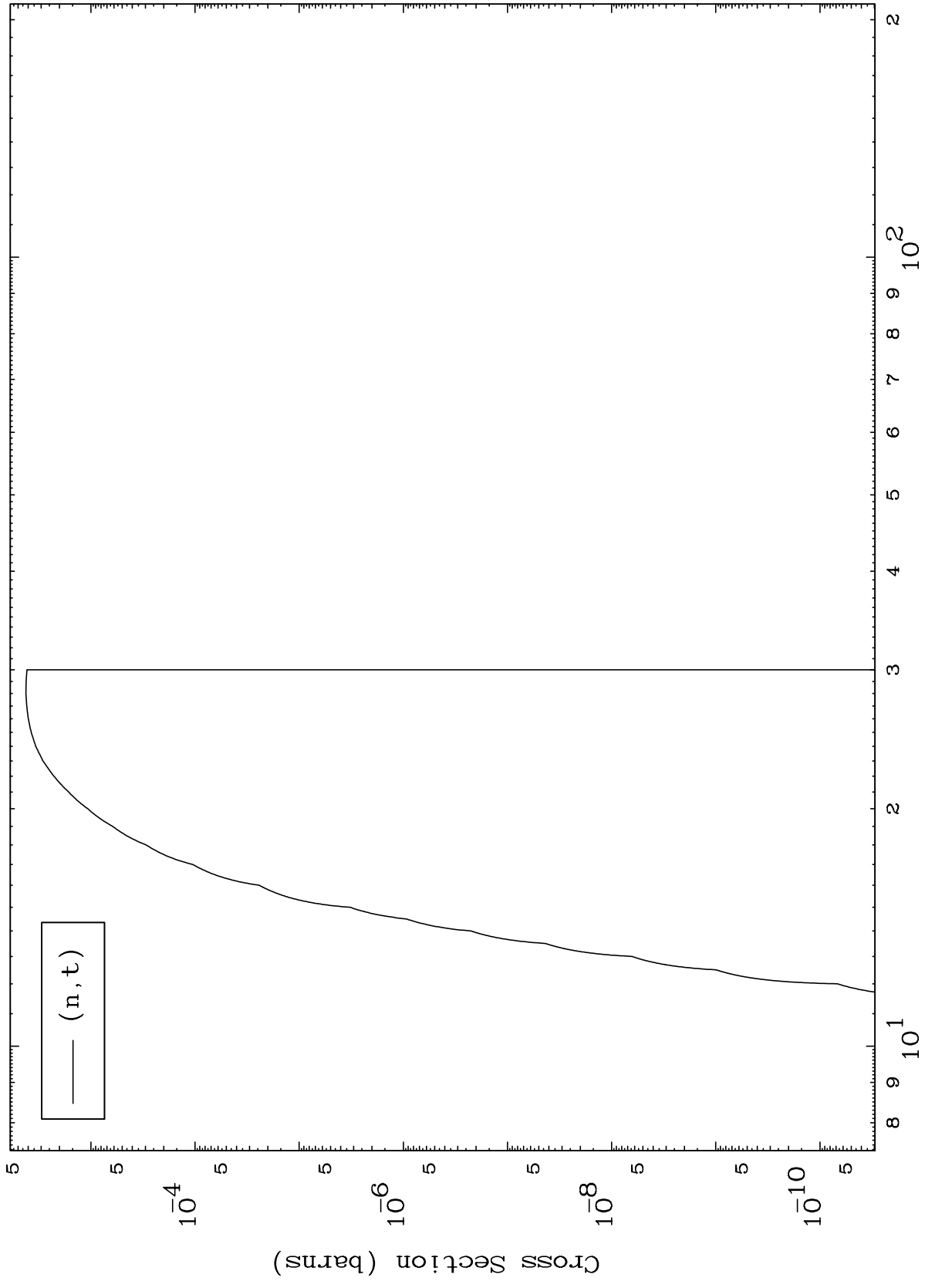
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-156



12

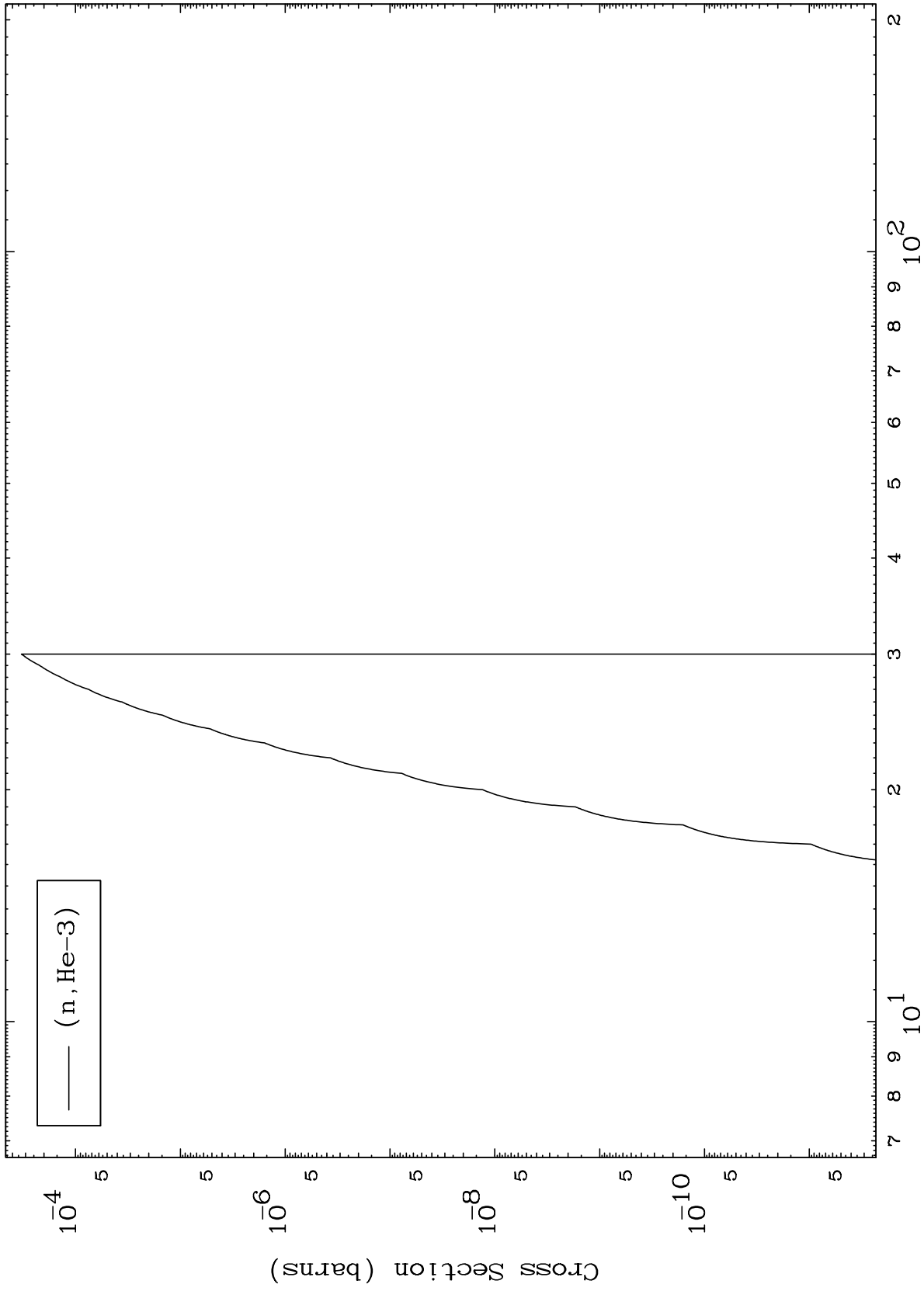
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-156



13

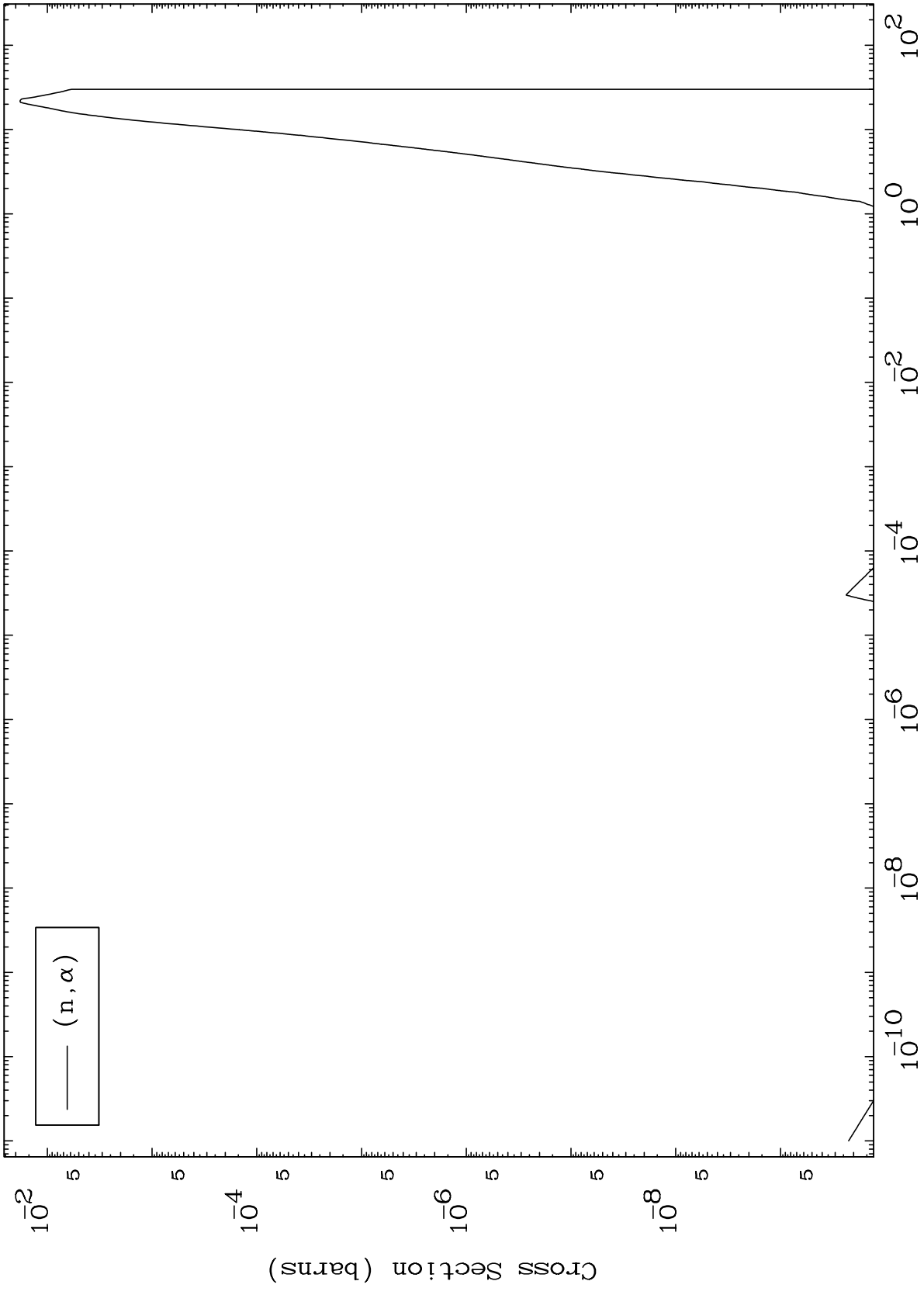
Incident Energy (MeV)

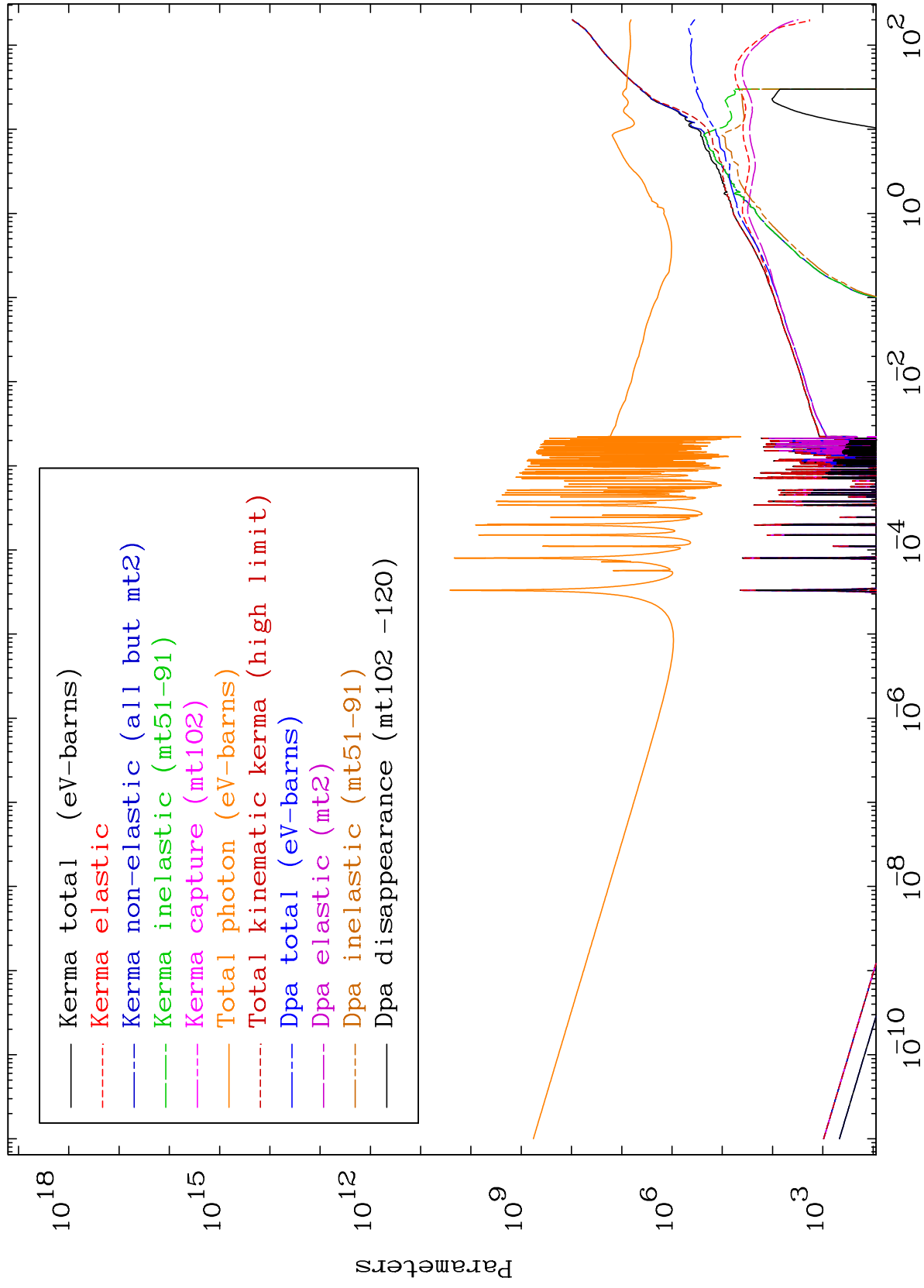
64-Gd-156

MAT 6437

(n, α) Levels
293 Kelvin Cross Sections

64-Gd-156

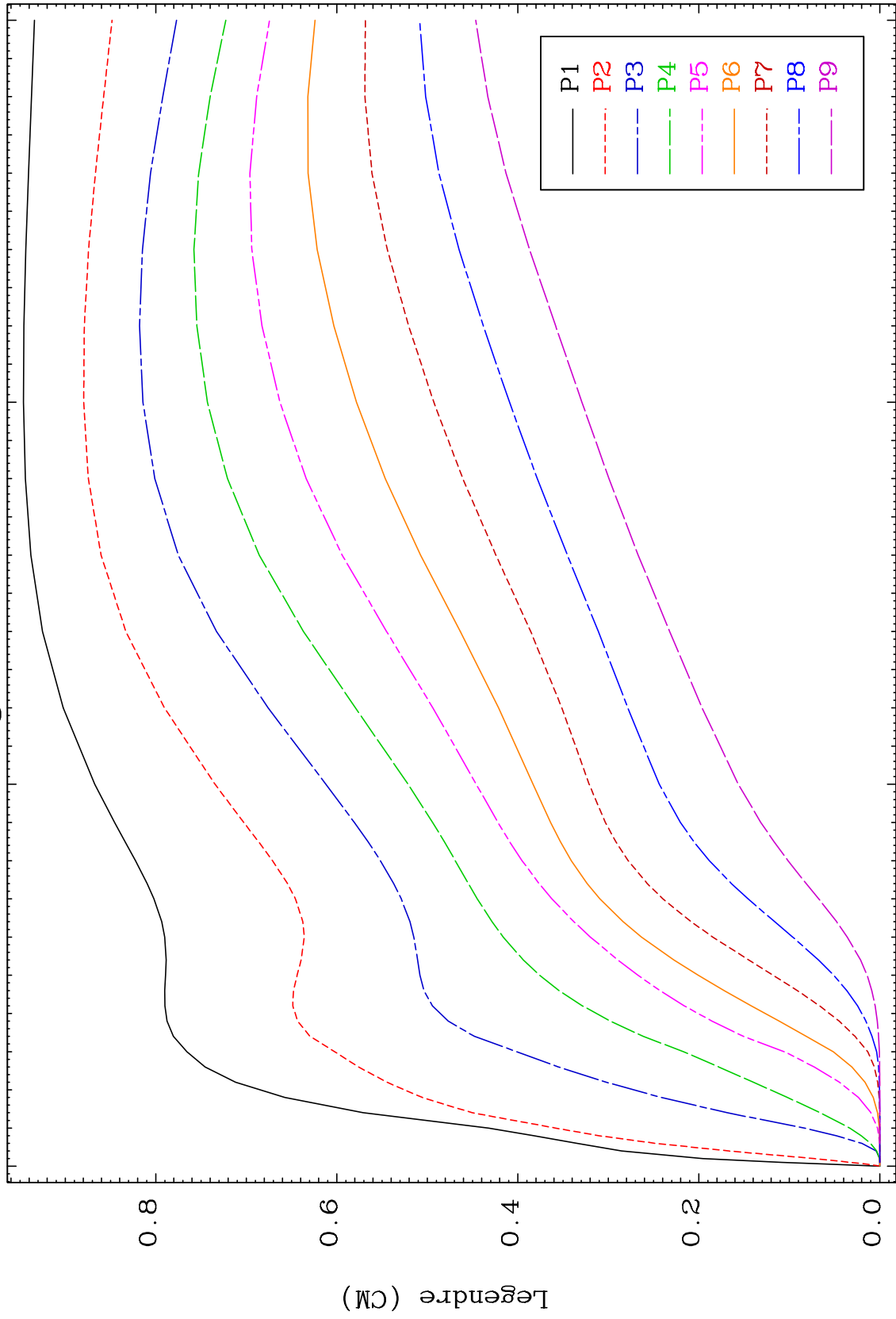




MAT 6437

Elastic Legendre Coefficients

64-Gd-156



0

0.0

0.2

0.4

0.6

0.8

64-Gd-156

Incident Energy (MeV)

0

10

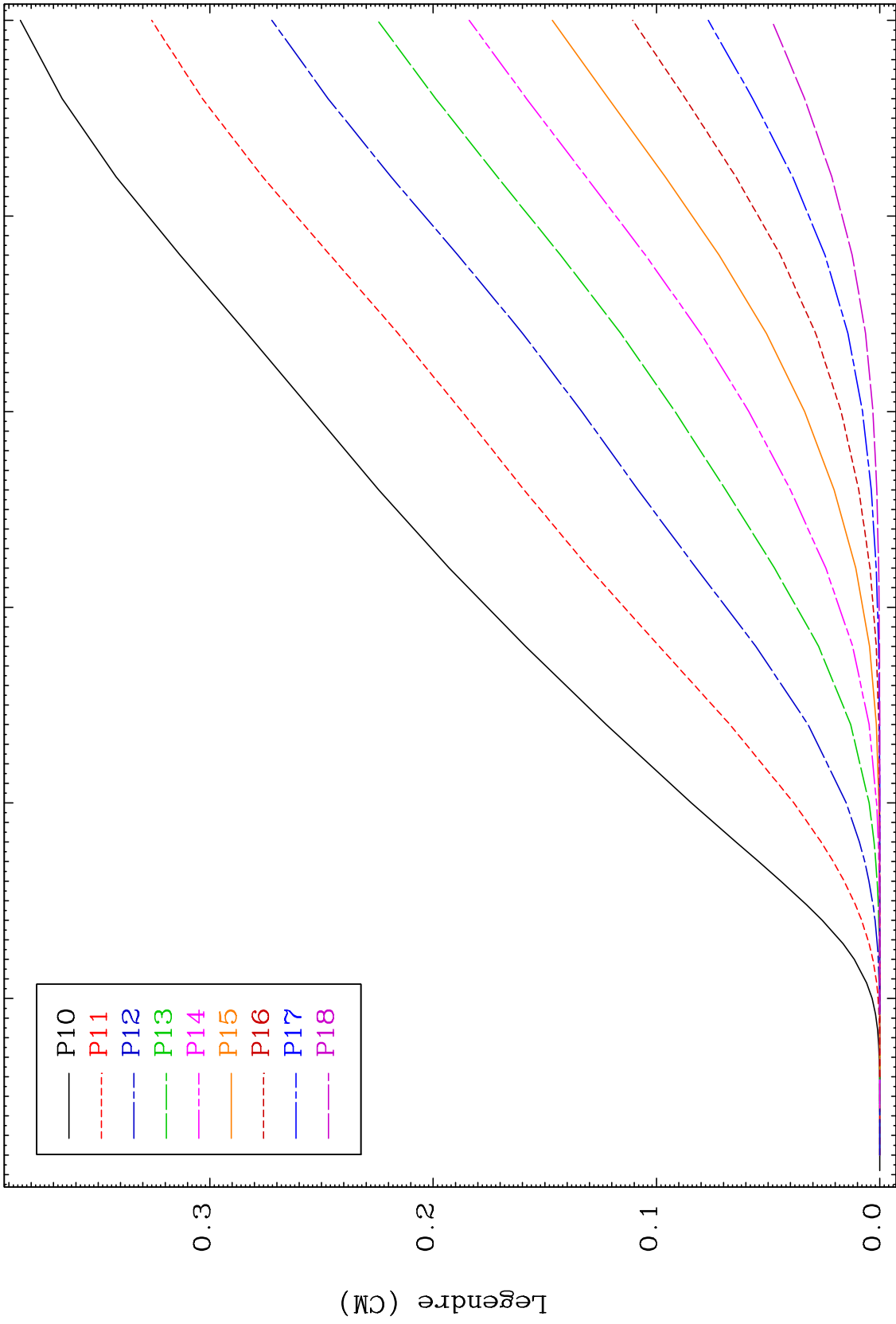
20

30

MAT 6437

Elastic Legendre Coefficients

64-Gd-156



17

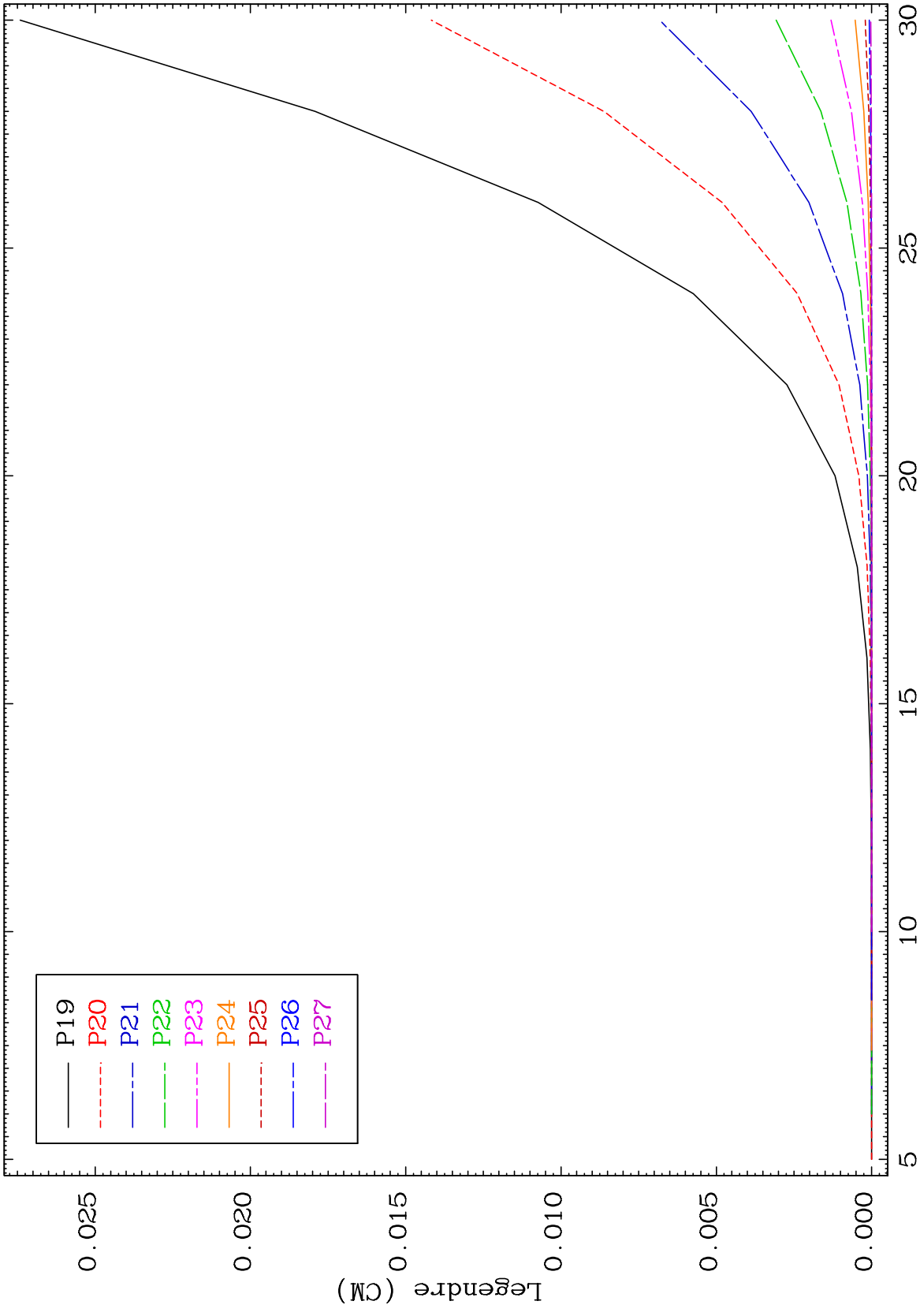
Incident Energy (MeV)

64-Gd-156

MAT 6437

Elastic Legendre Coefficients

64-Gd-156



18

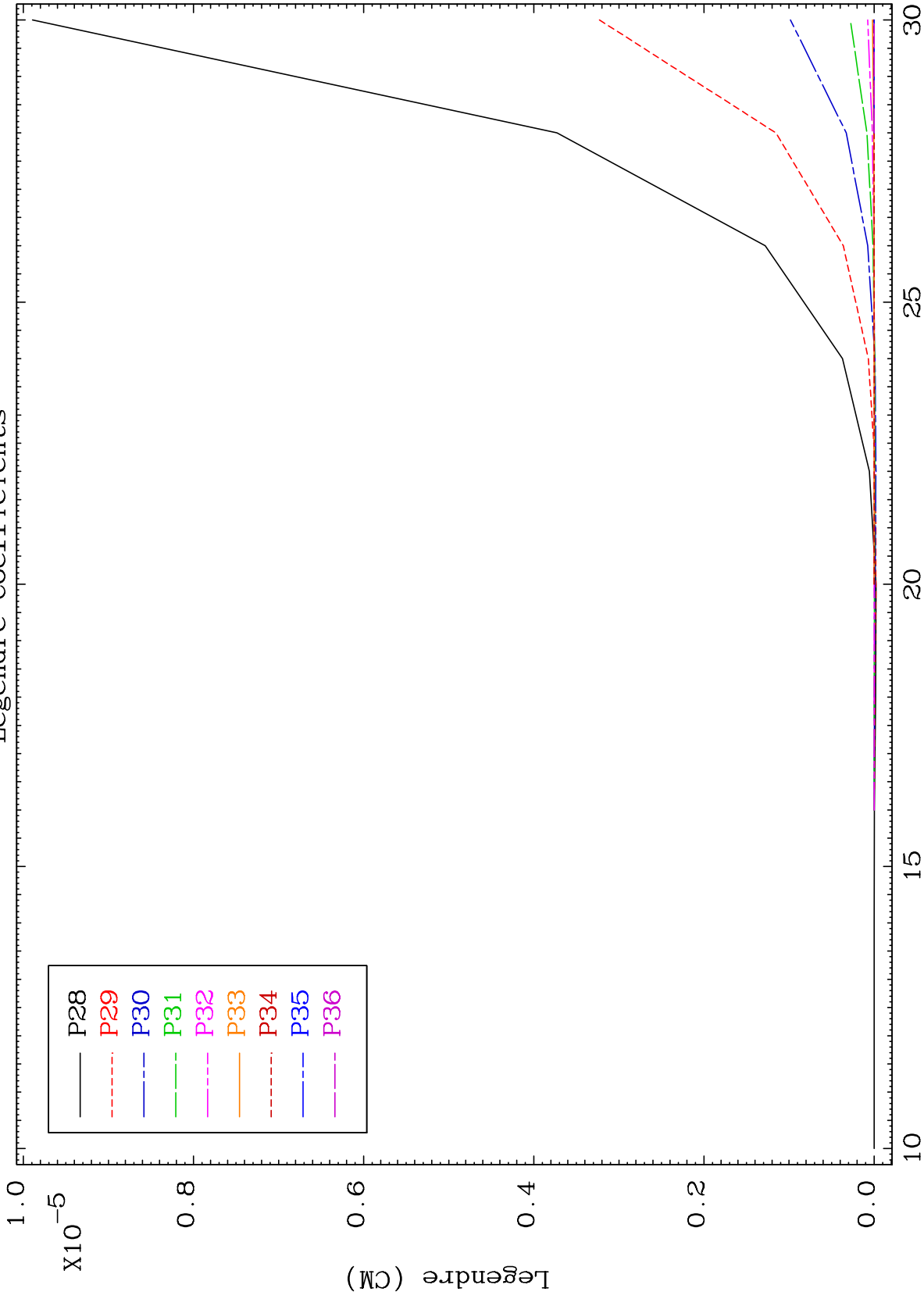
Incident Energy (MeV)

64-Gd-156

MAT 6437

Elastic Legendre Coefficients

64-Gd-156



19

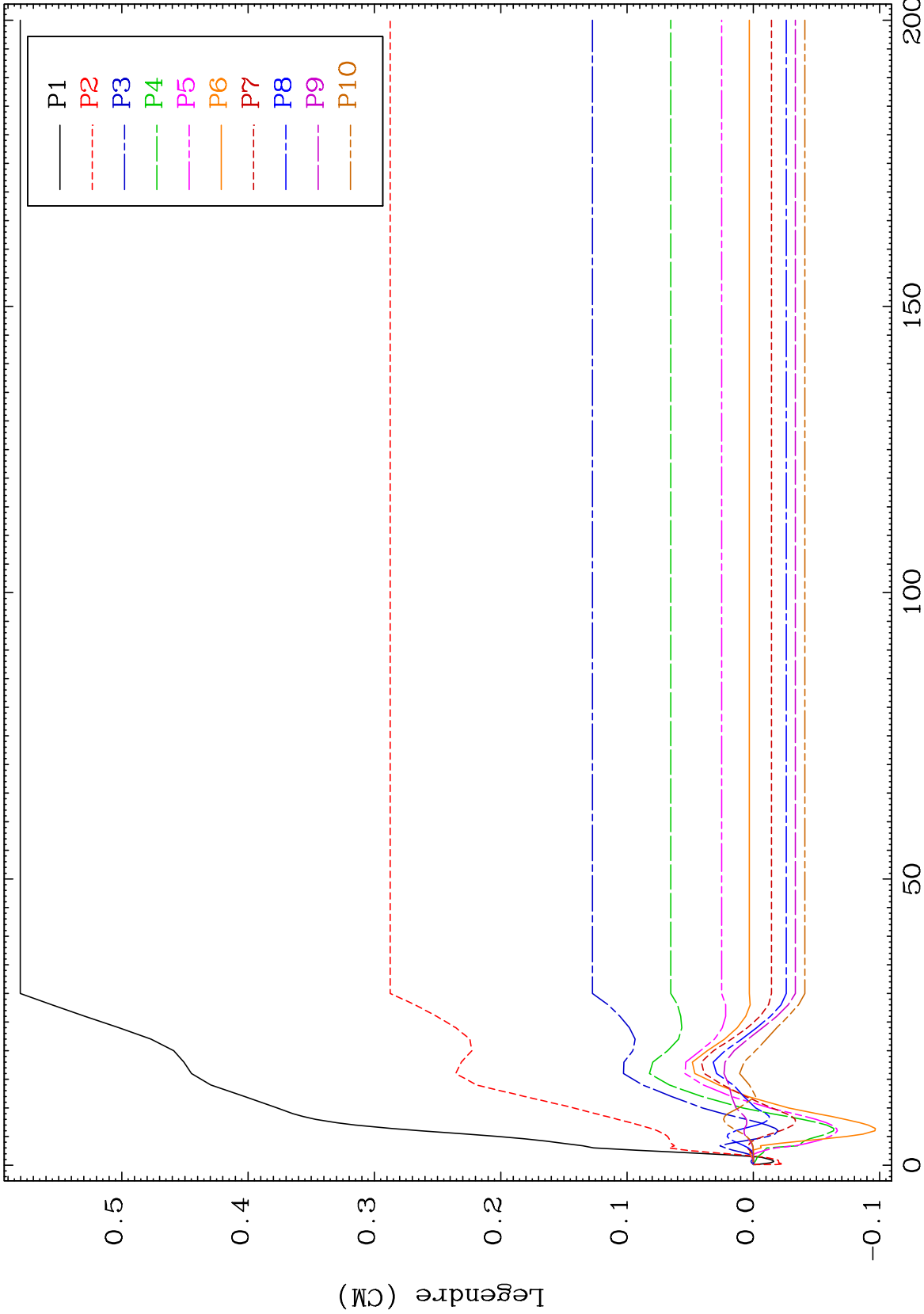
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



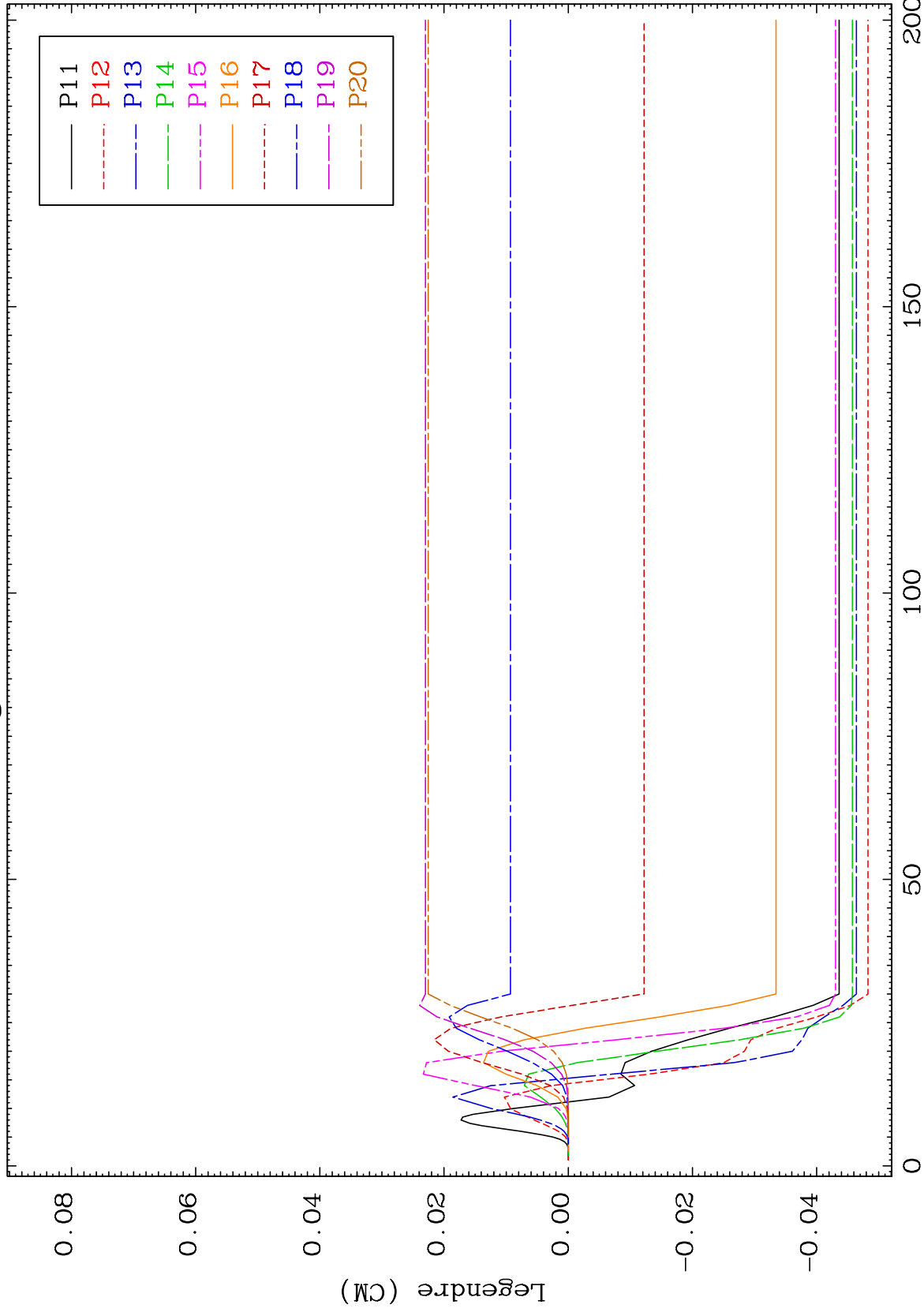
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Incident Energy (MeV)

MAT 6437

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

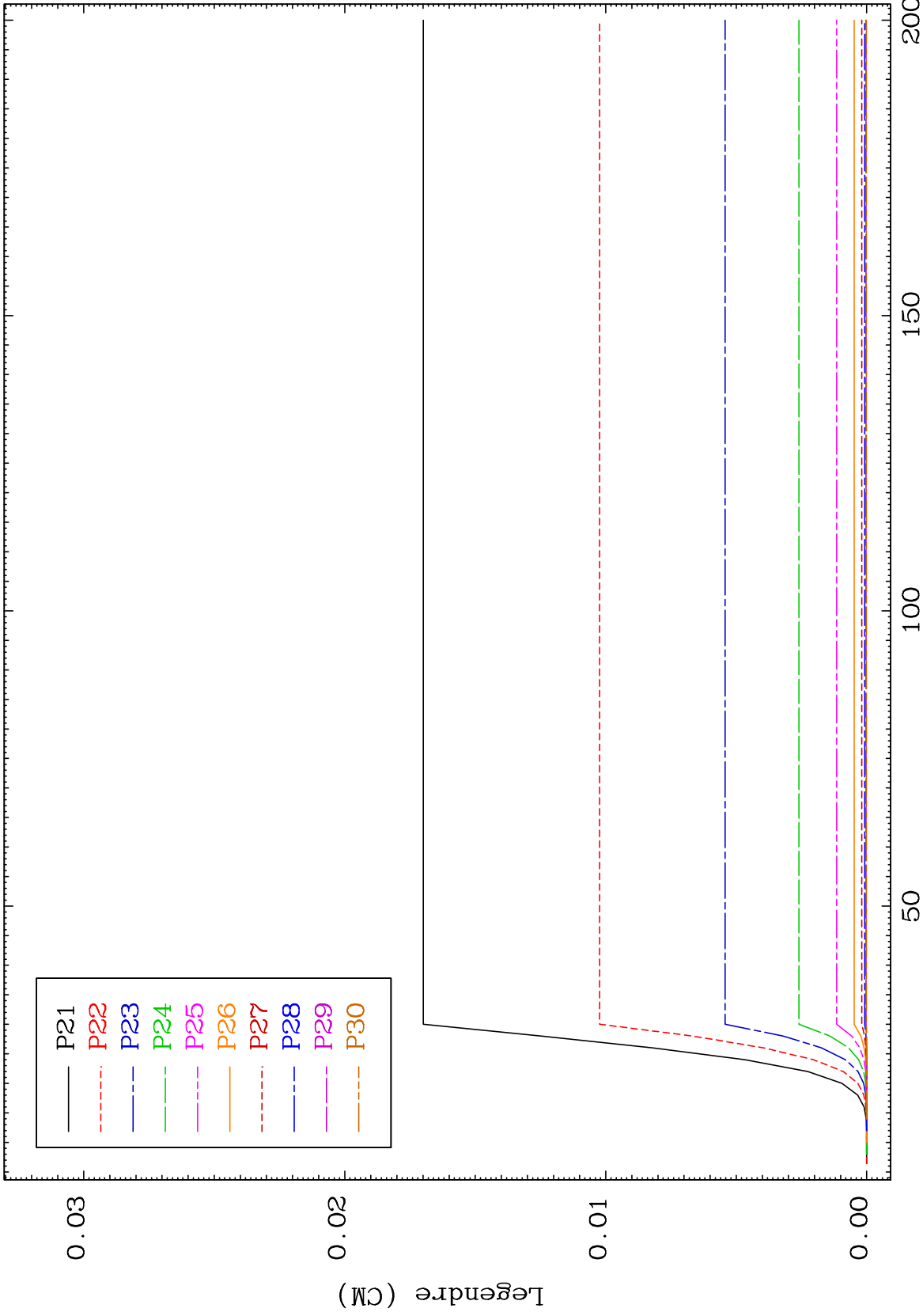
64-Gd-156



21

Incident Energy (MeV)

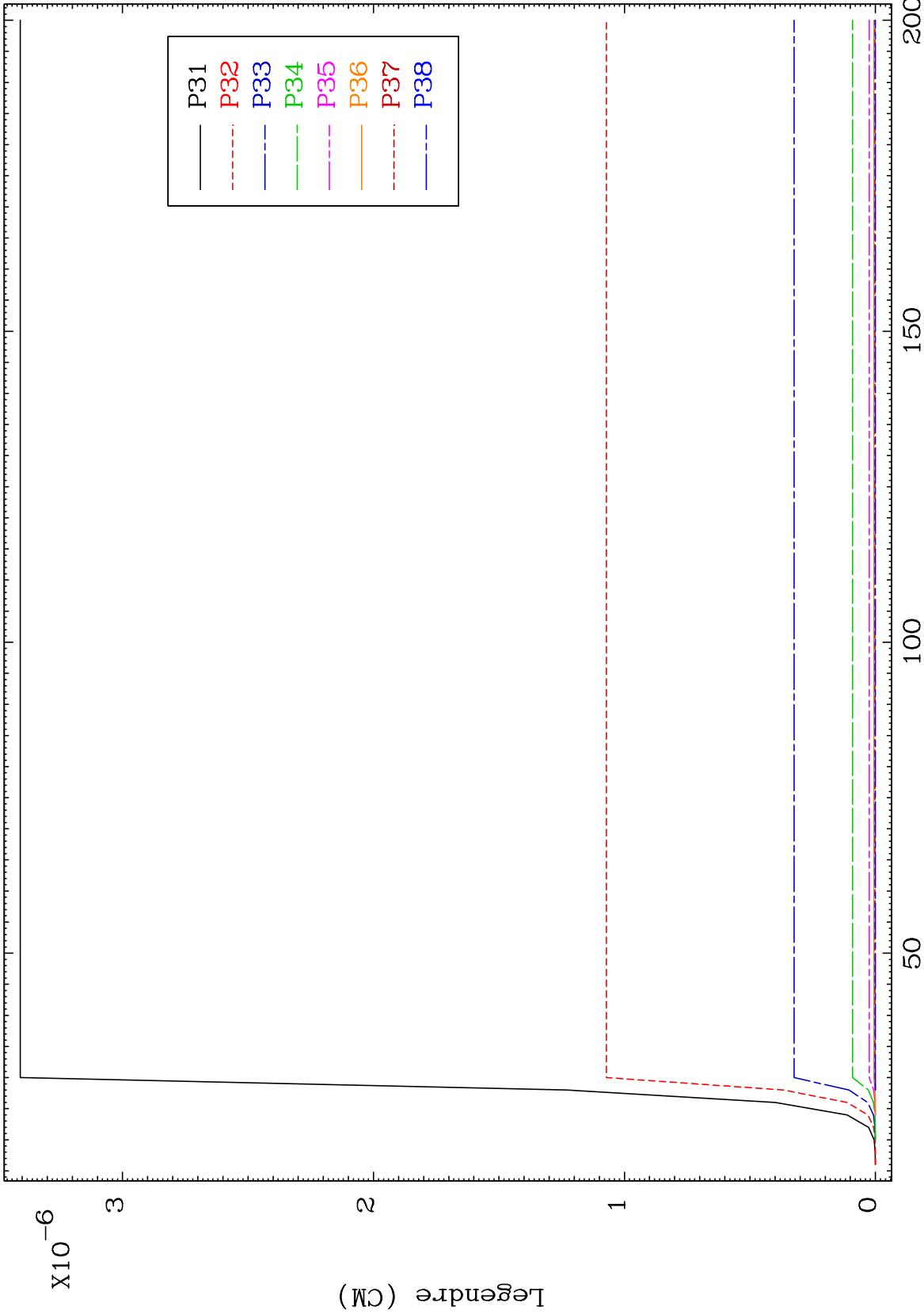
64-Gd-156



MAT 6437

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

64-Gd-156



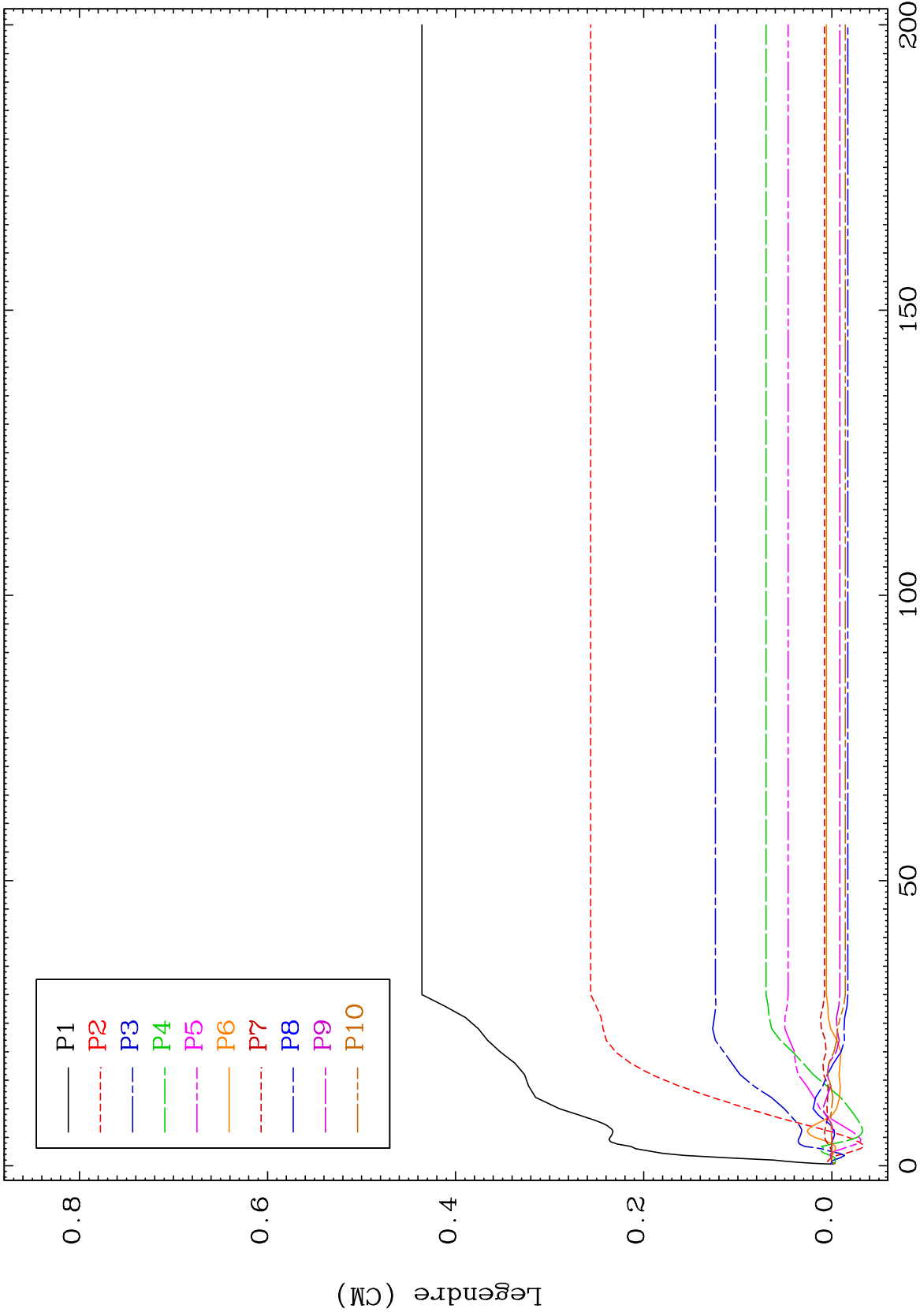
23

64-Gd-156

MAT 6437

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

64-Gd-156



24

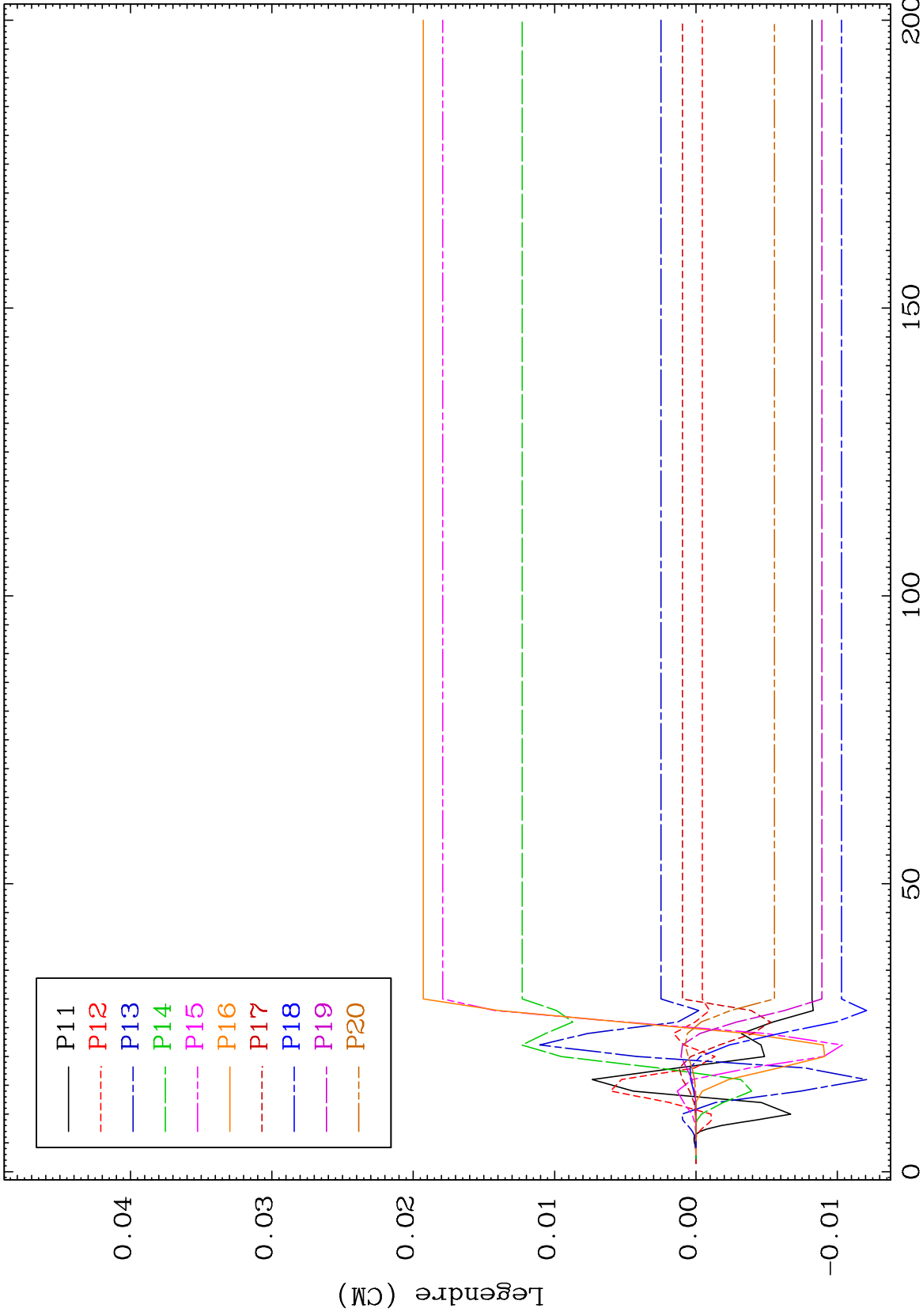
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

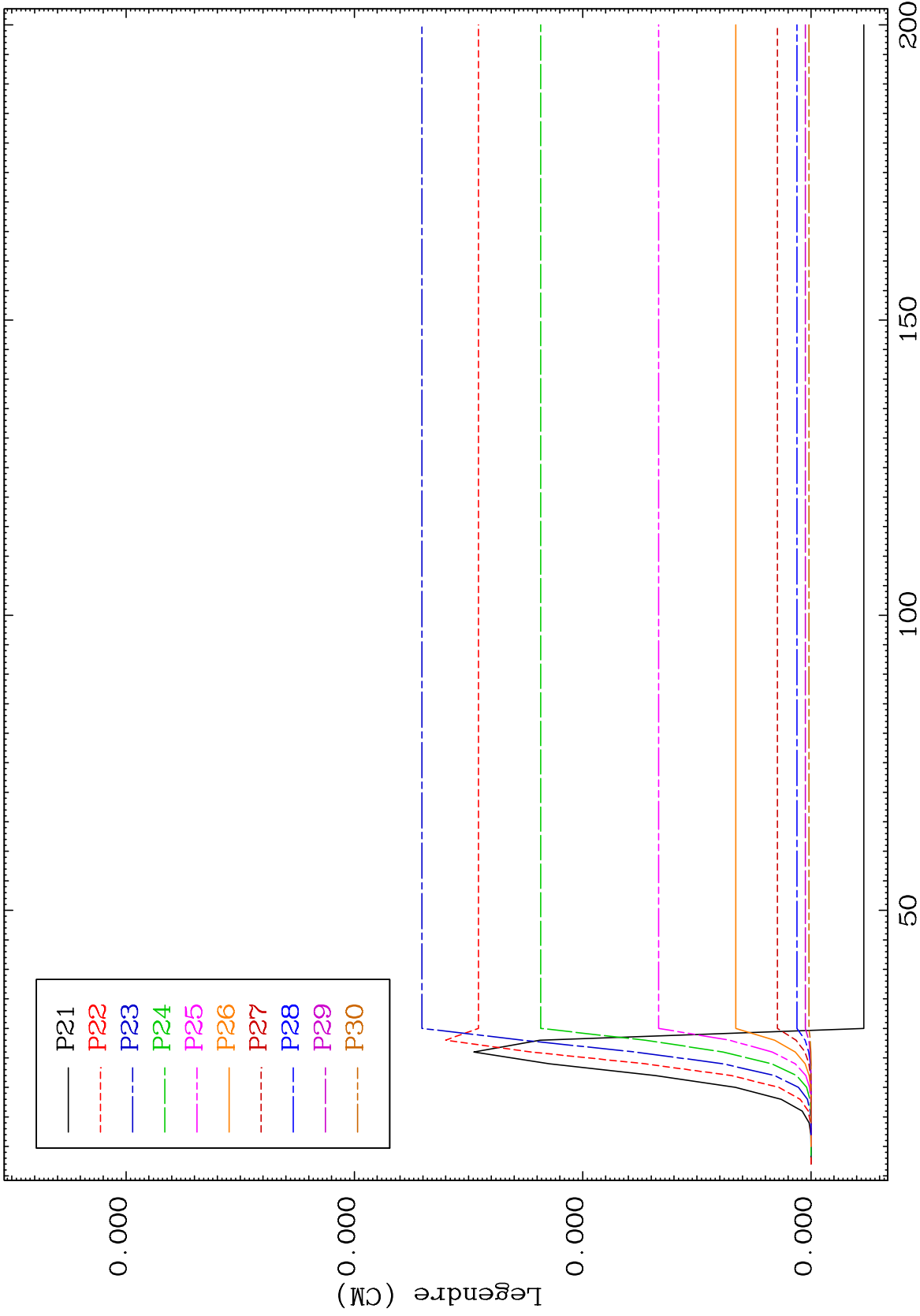
64-Gd-156



25

Incident Energy (MeV)

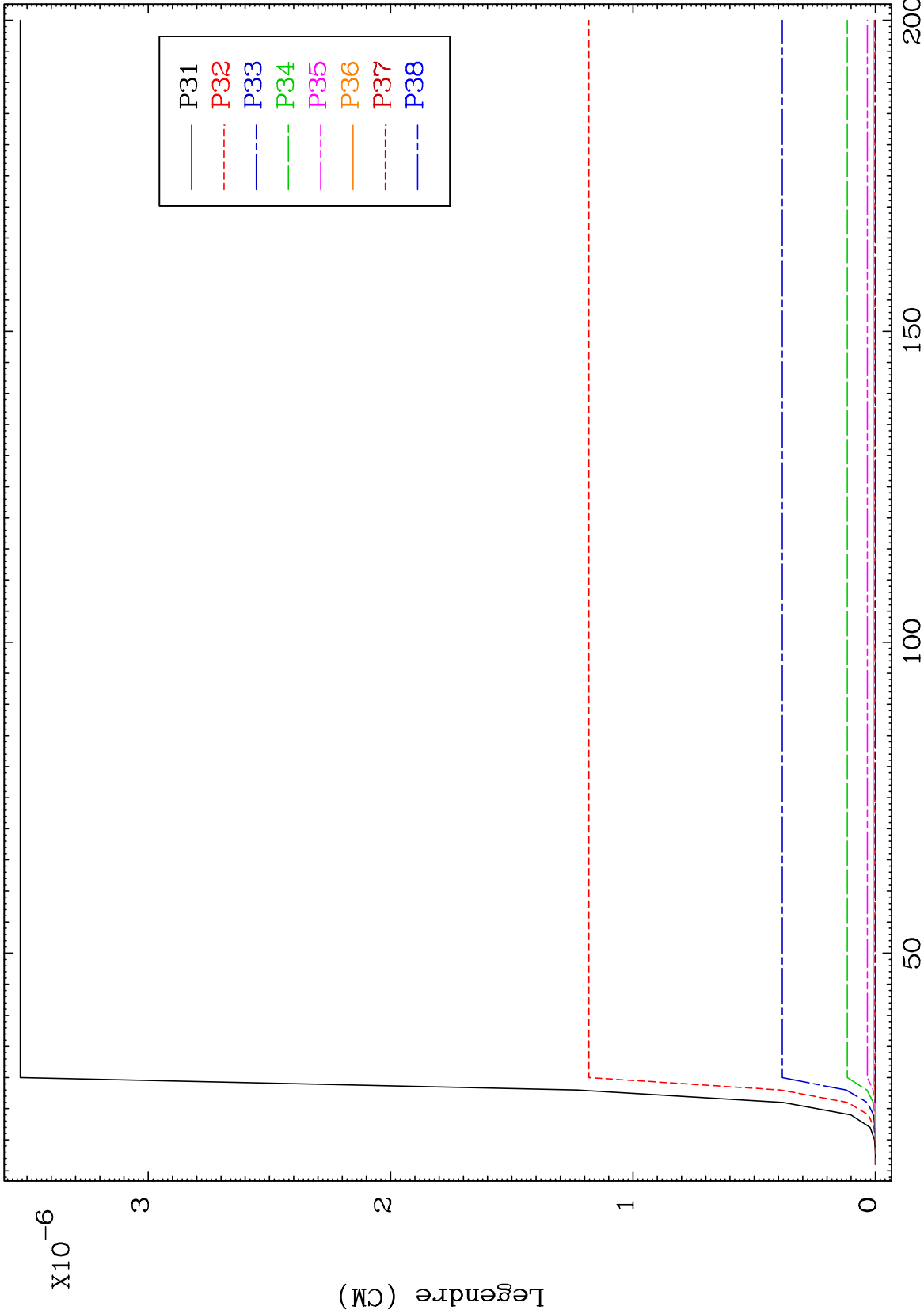
64-Gd-156



MAT 6437

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

64-Gd-156



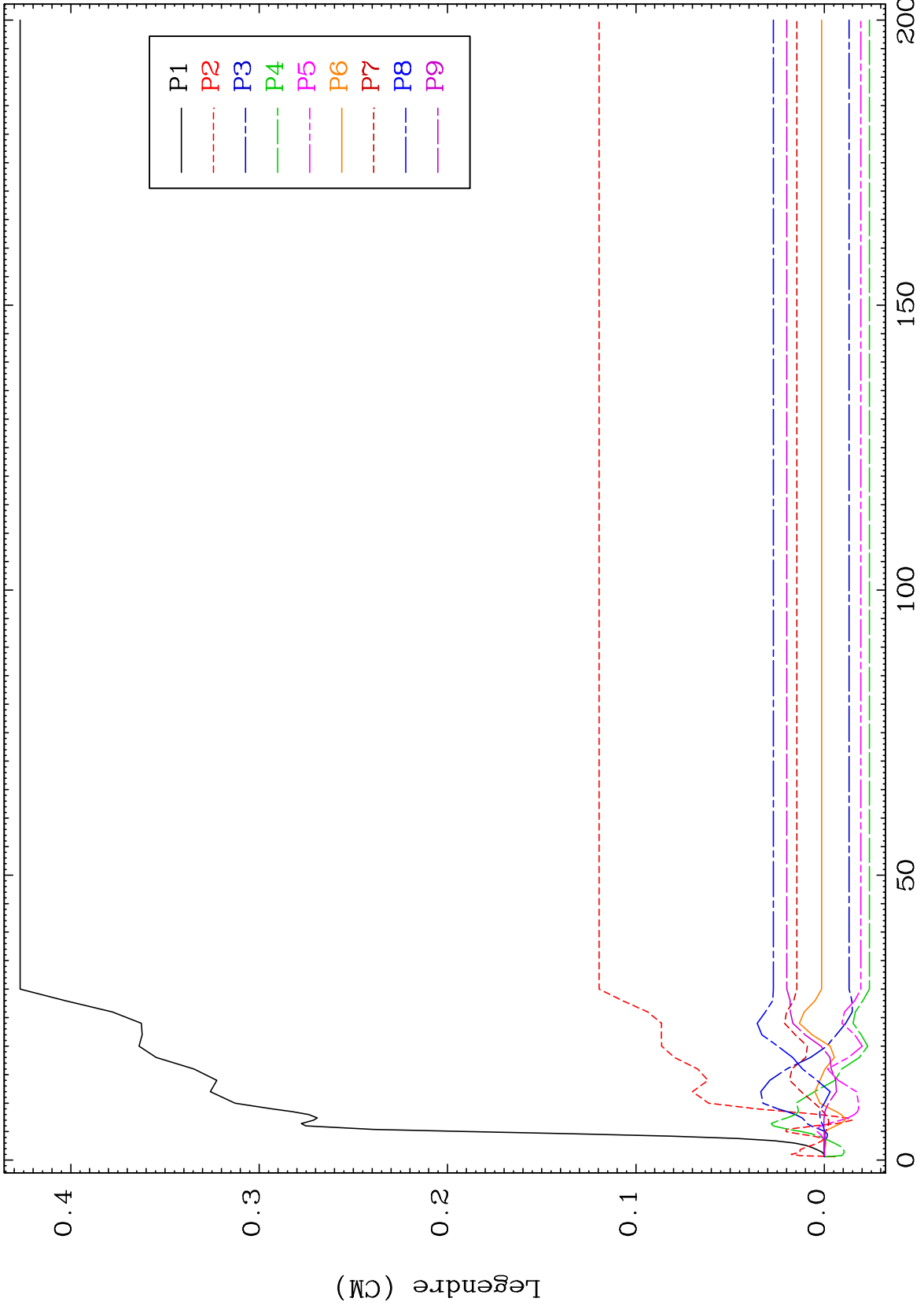
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64-Gd-156

MAT 6437

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

64-Gd-156



28

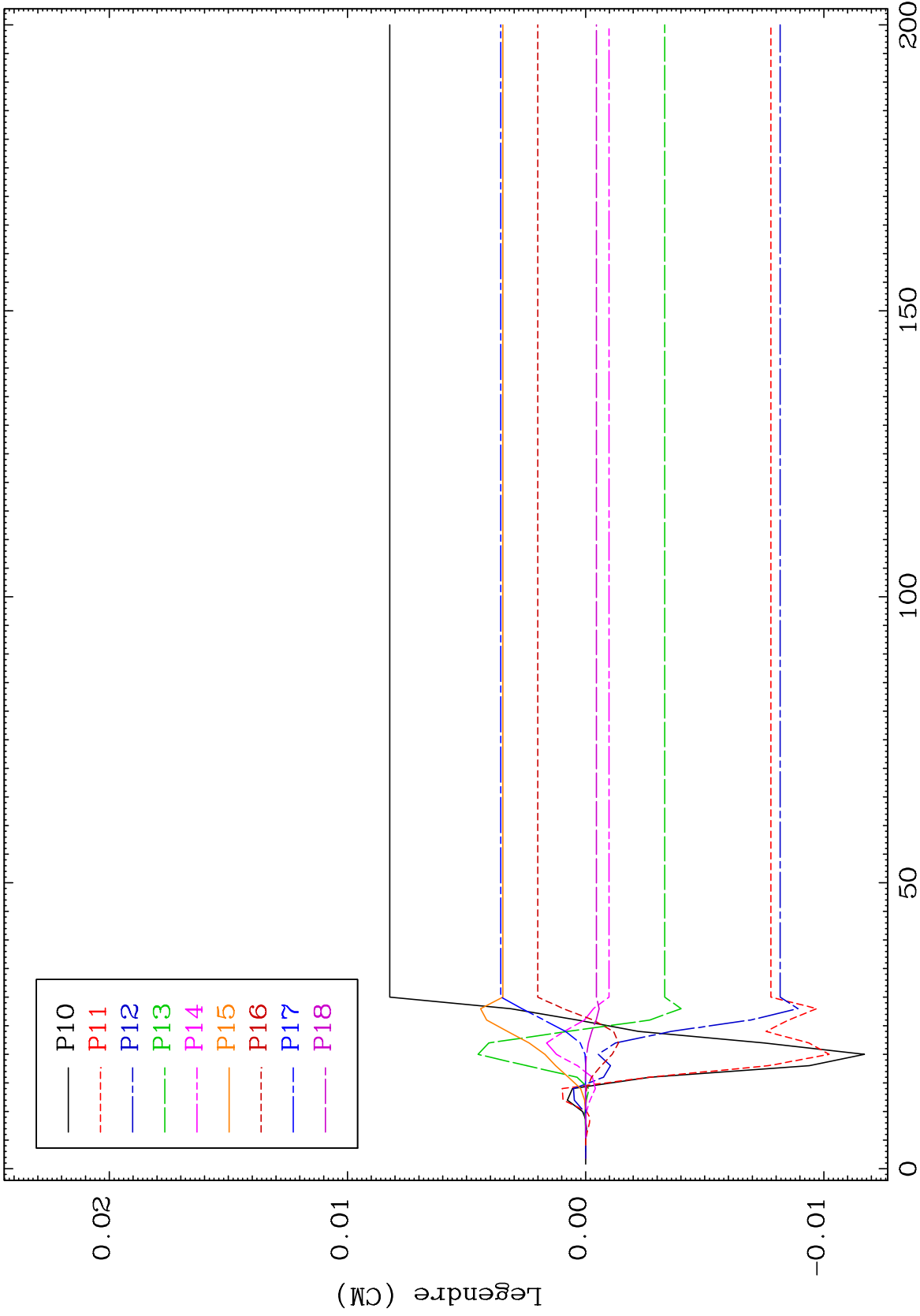
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



29

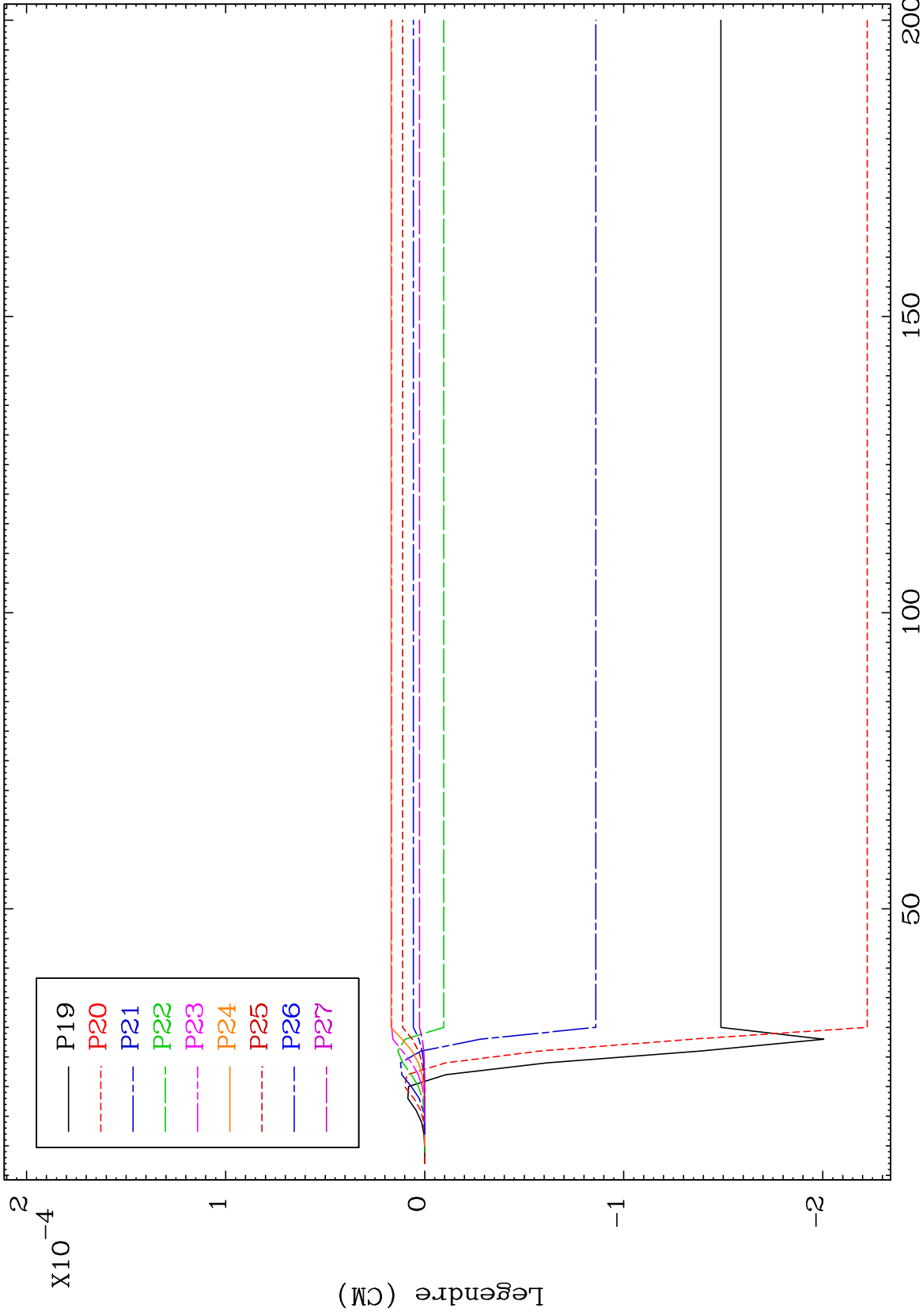
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



30

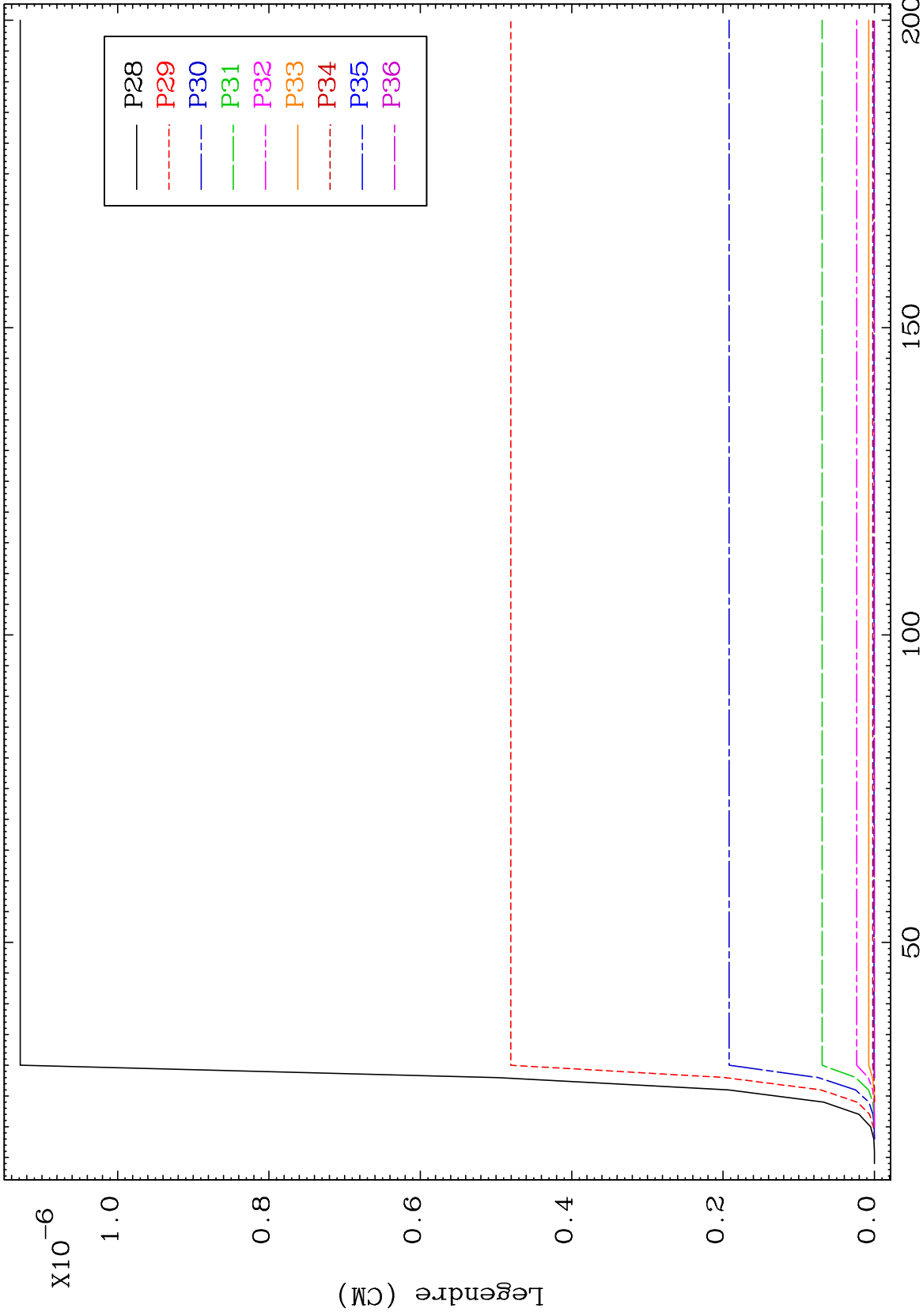
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



31

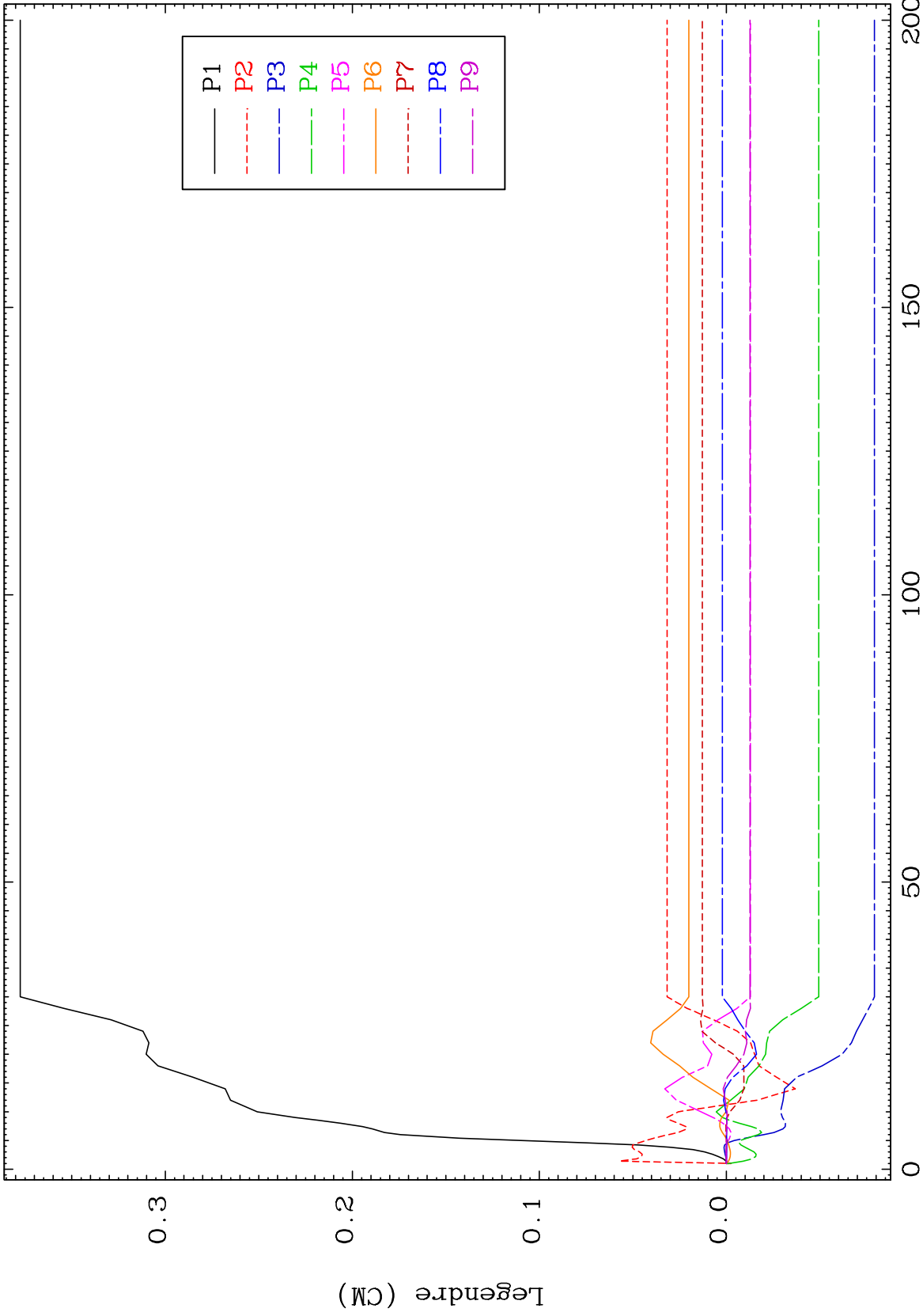
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



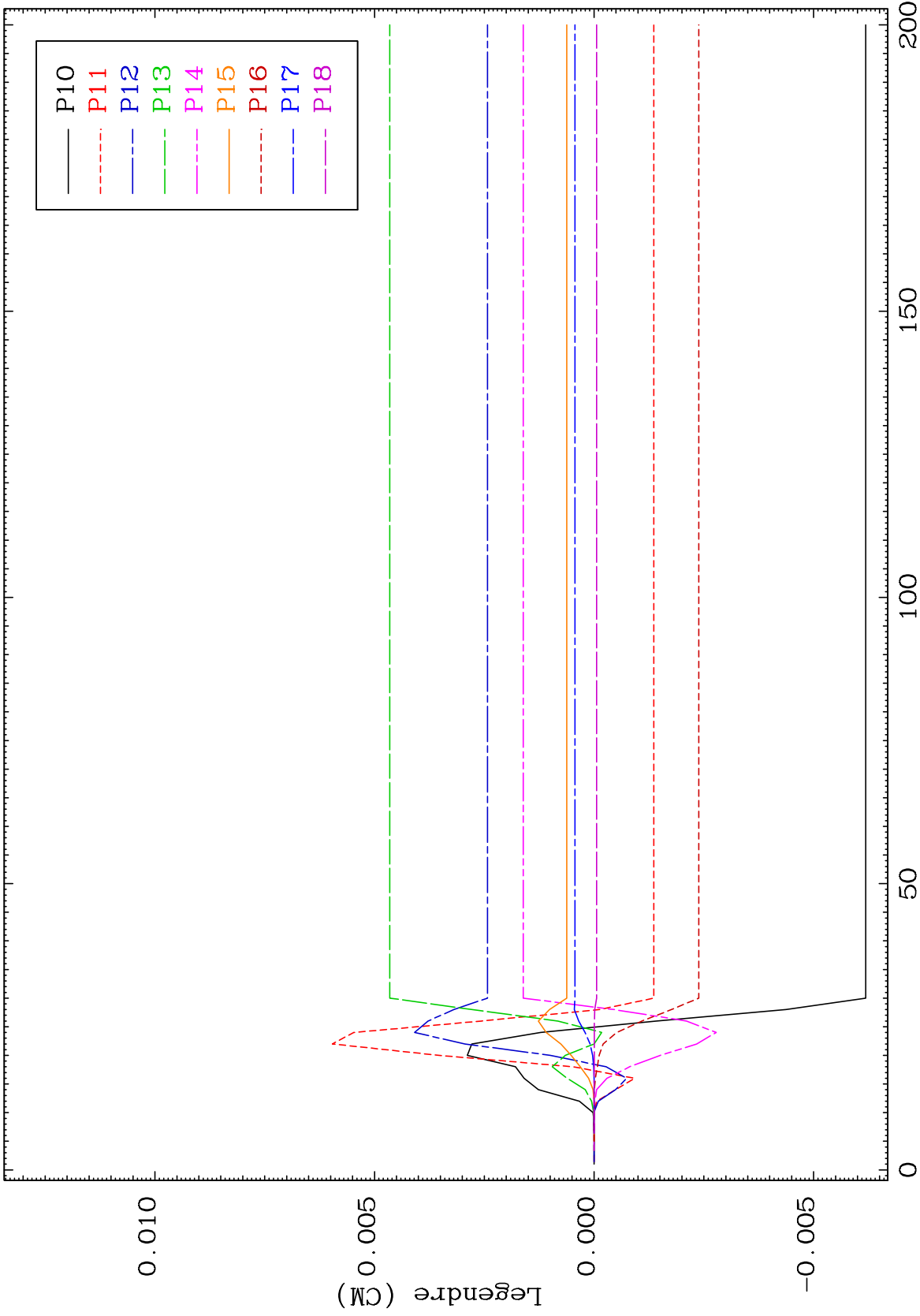
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64-Gd-156

MAT 6437

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

64-Gd-156



33

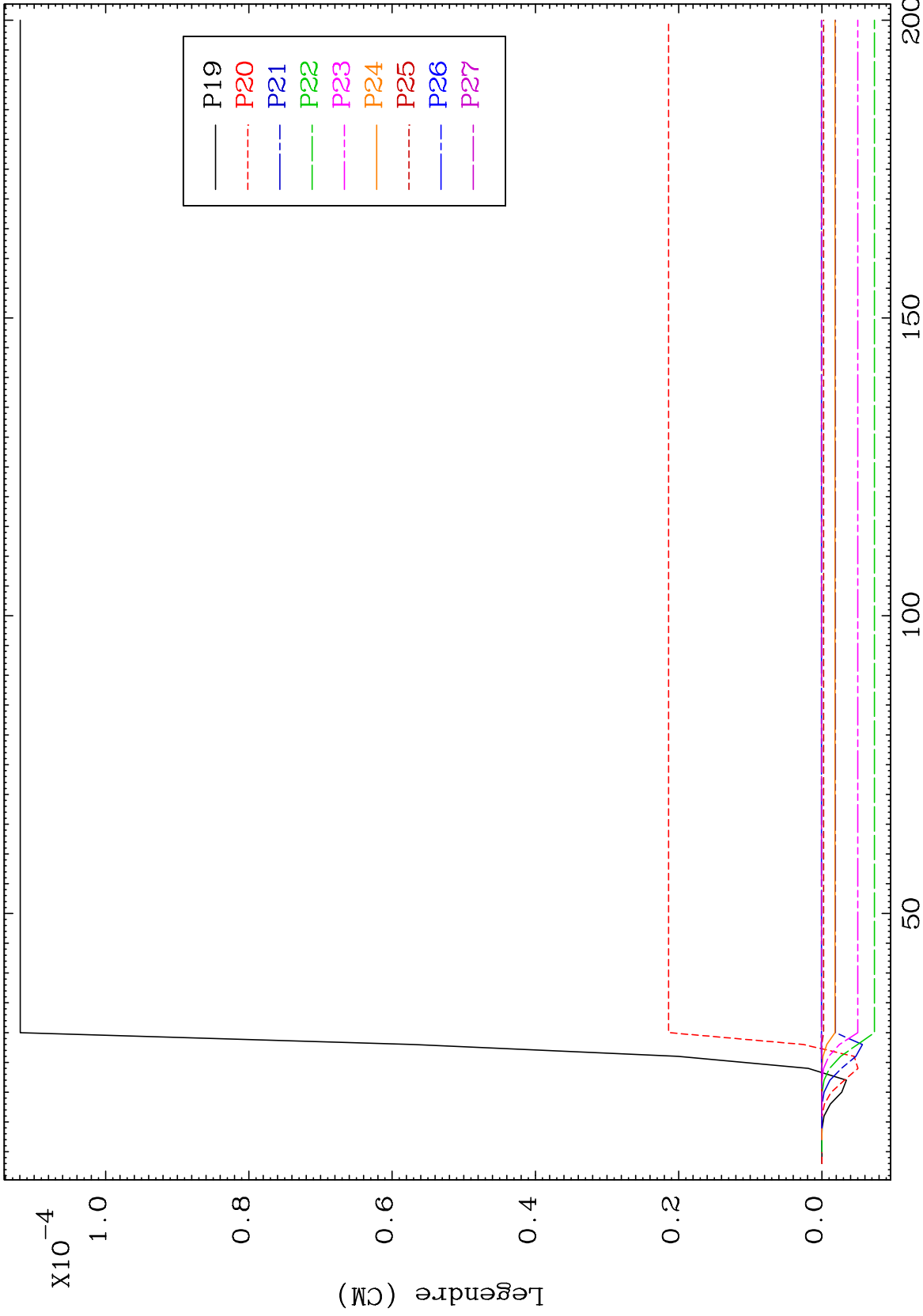
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



34

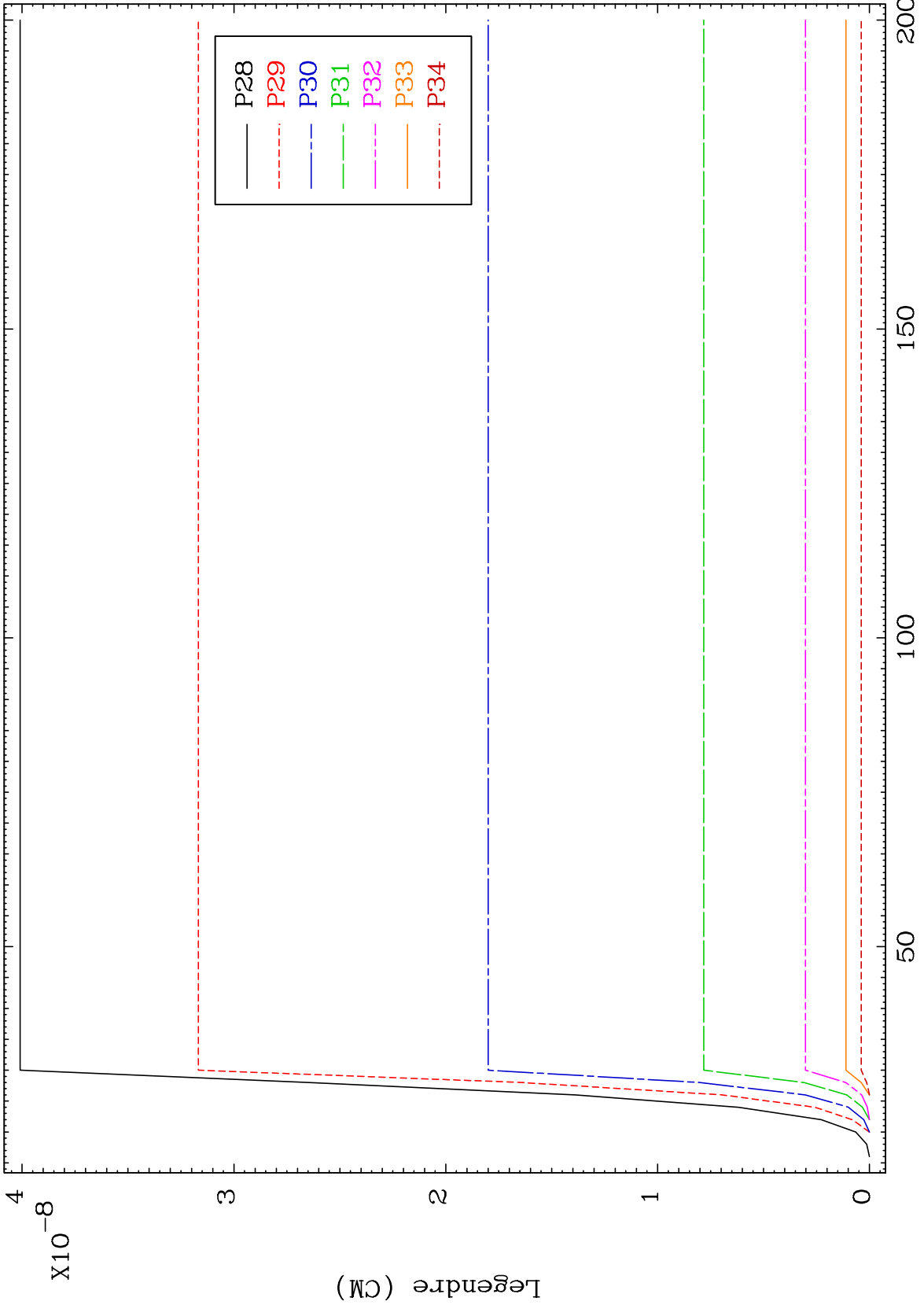
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



35

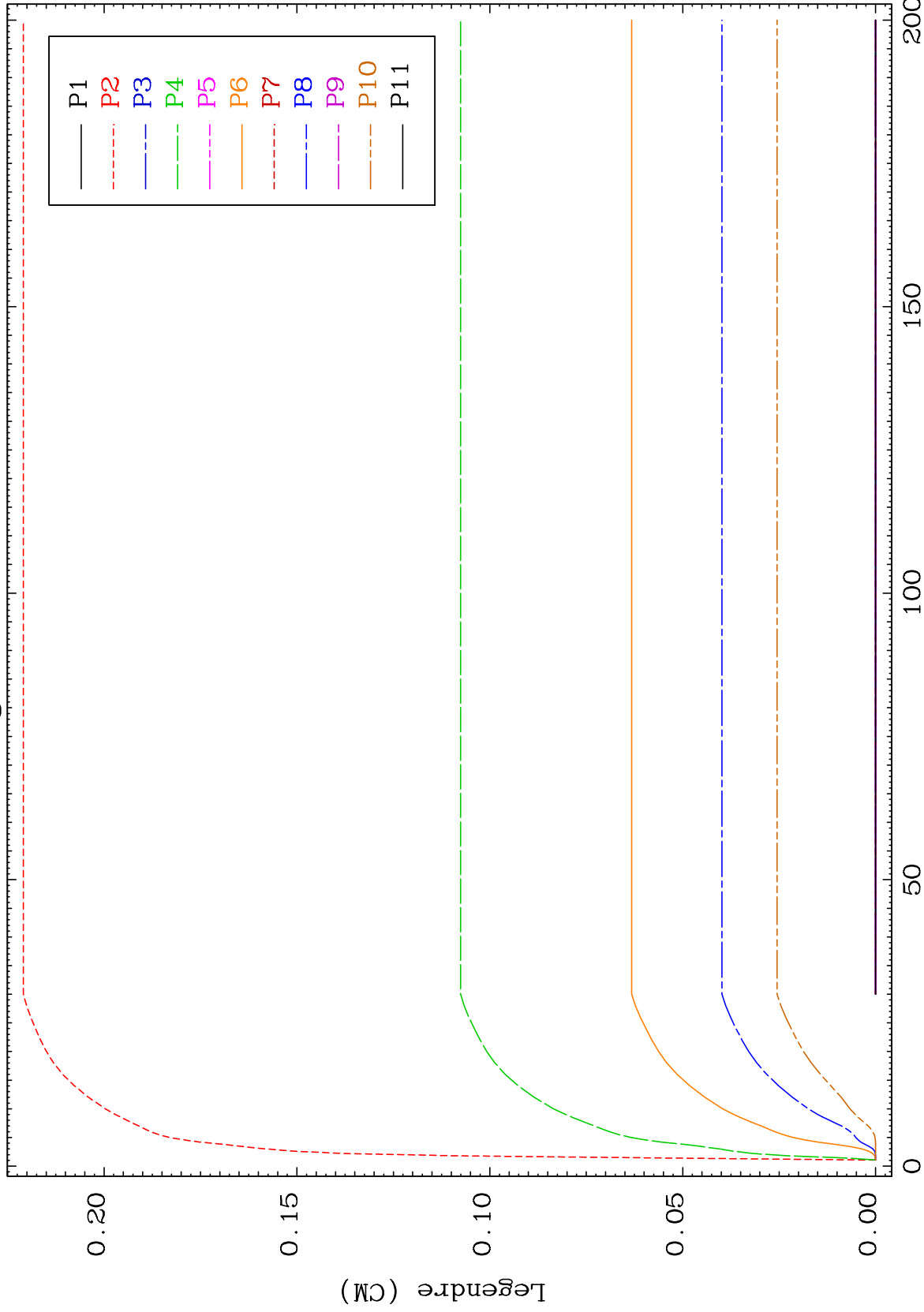
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



36

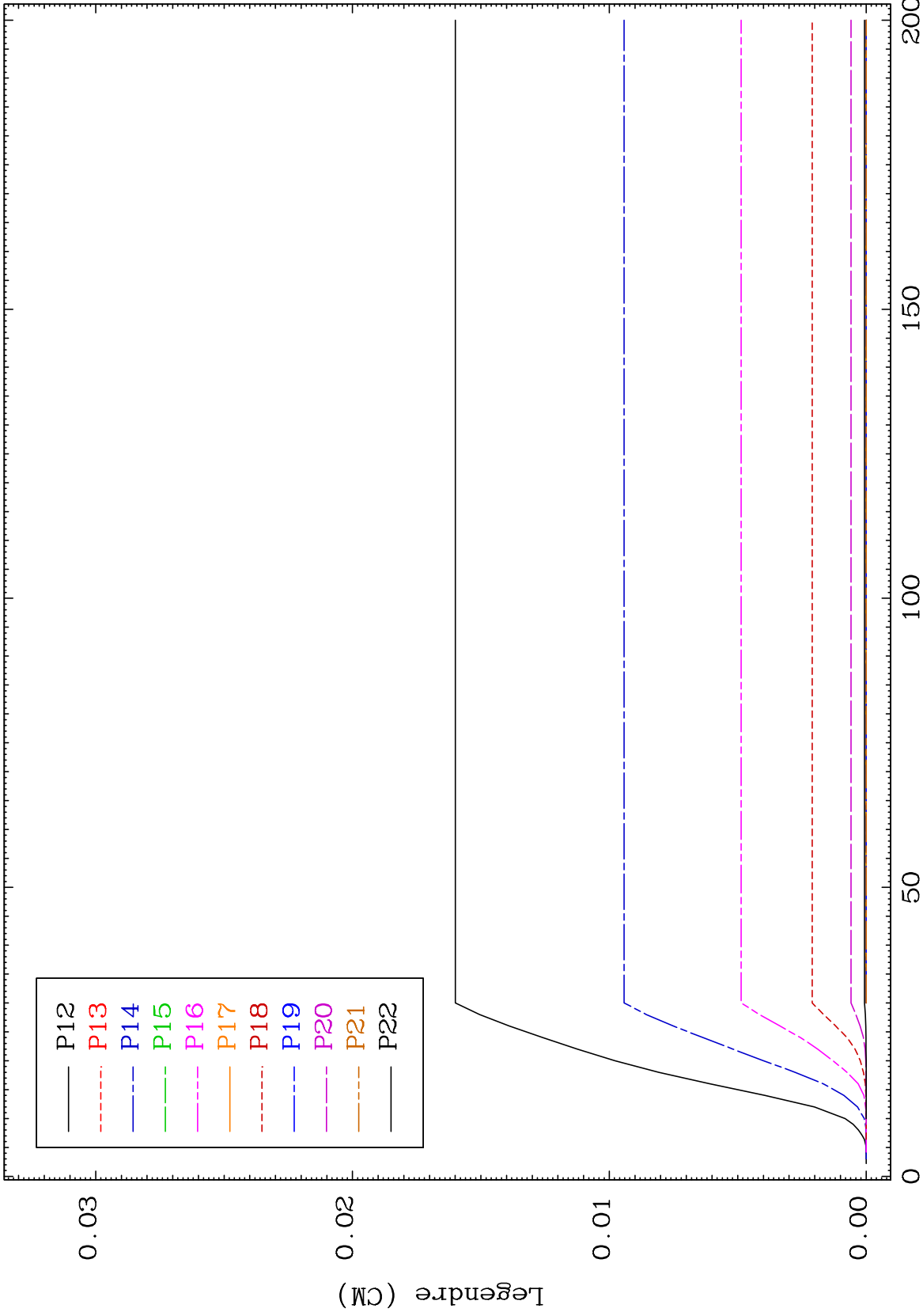
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



37

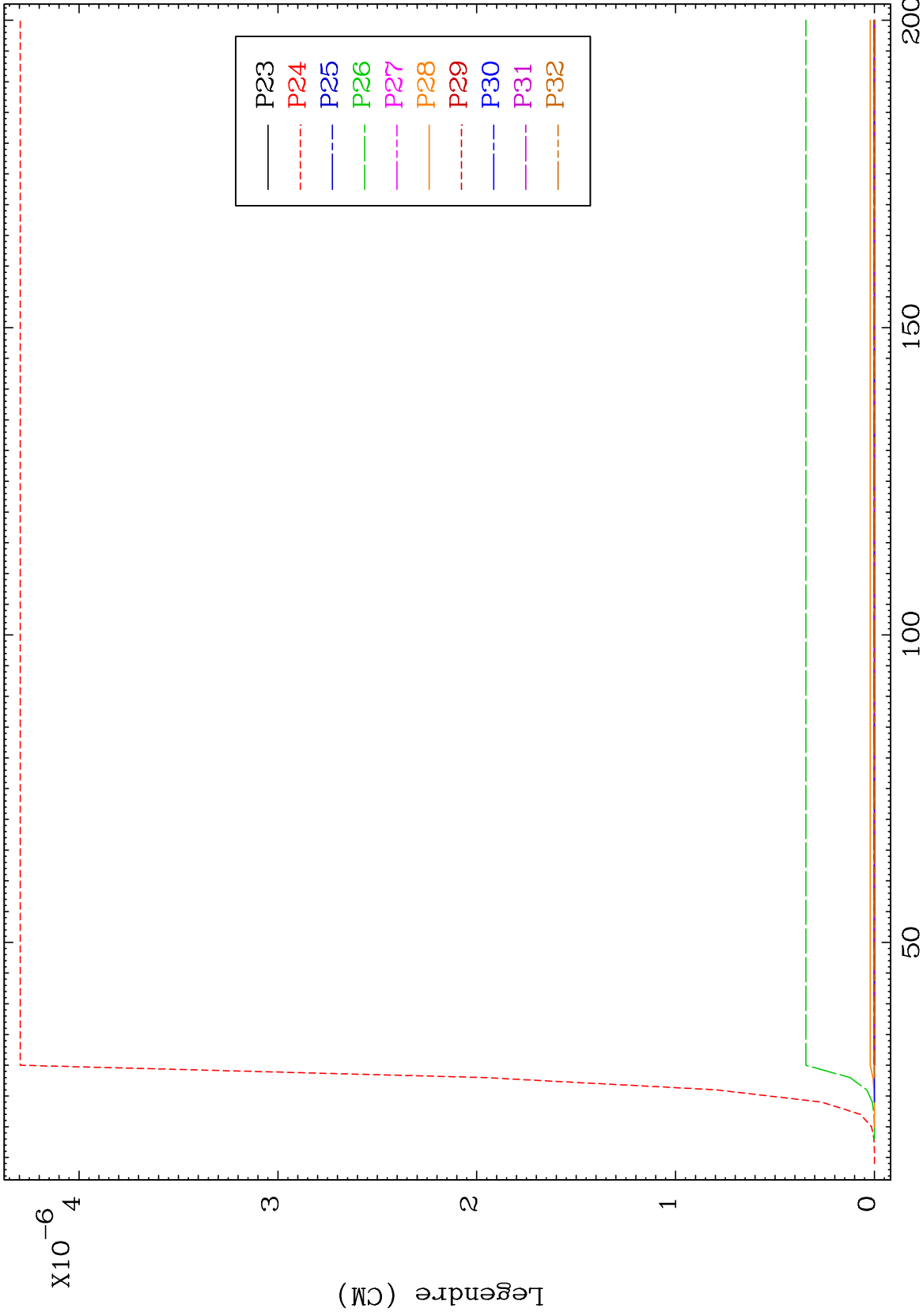
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



38

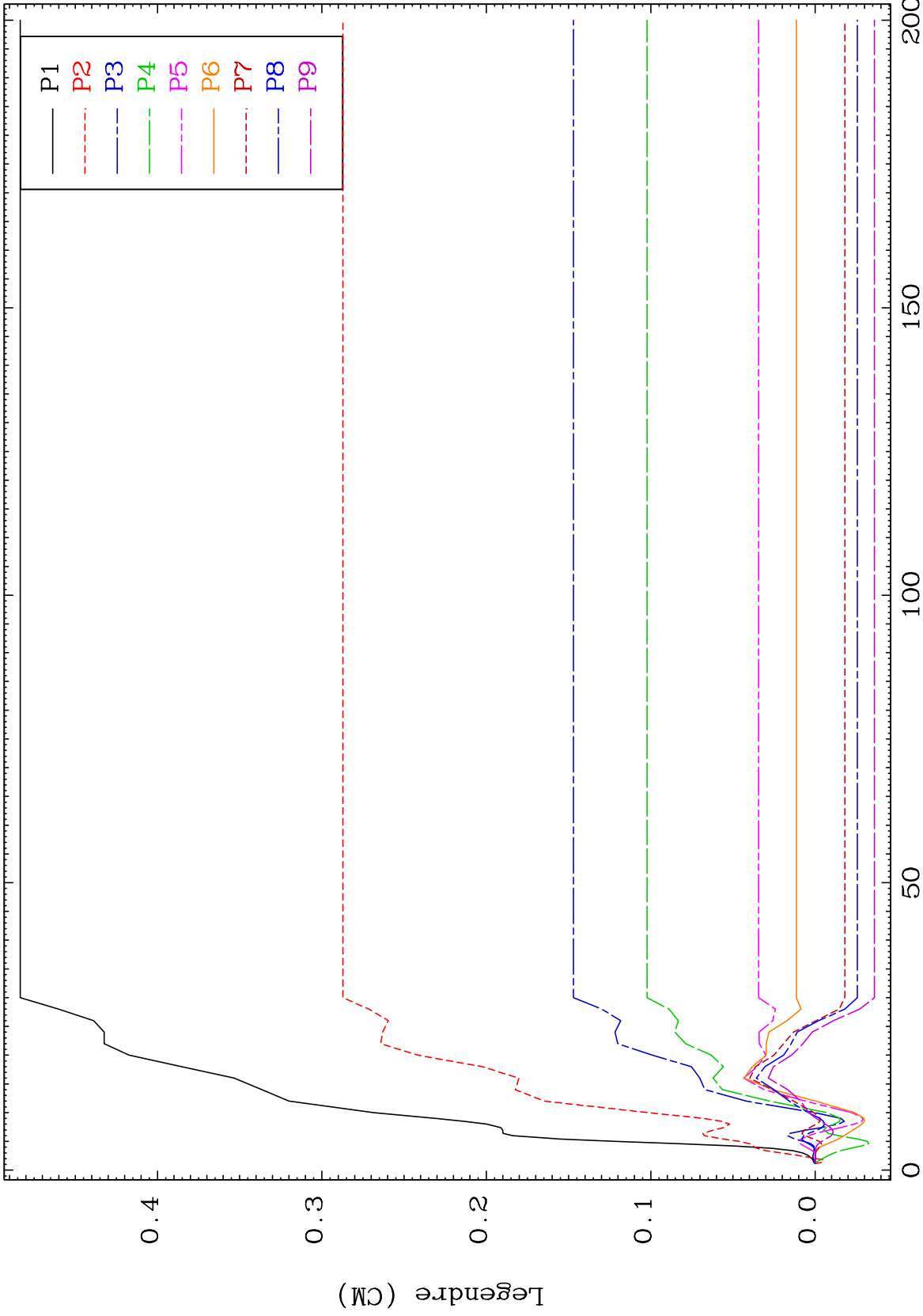
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



39

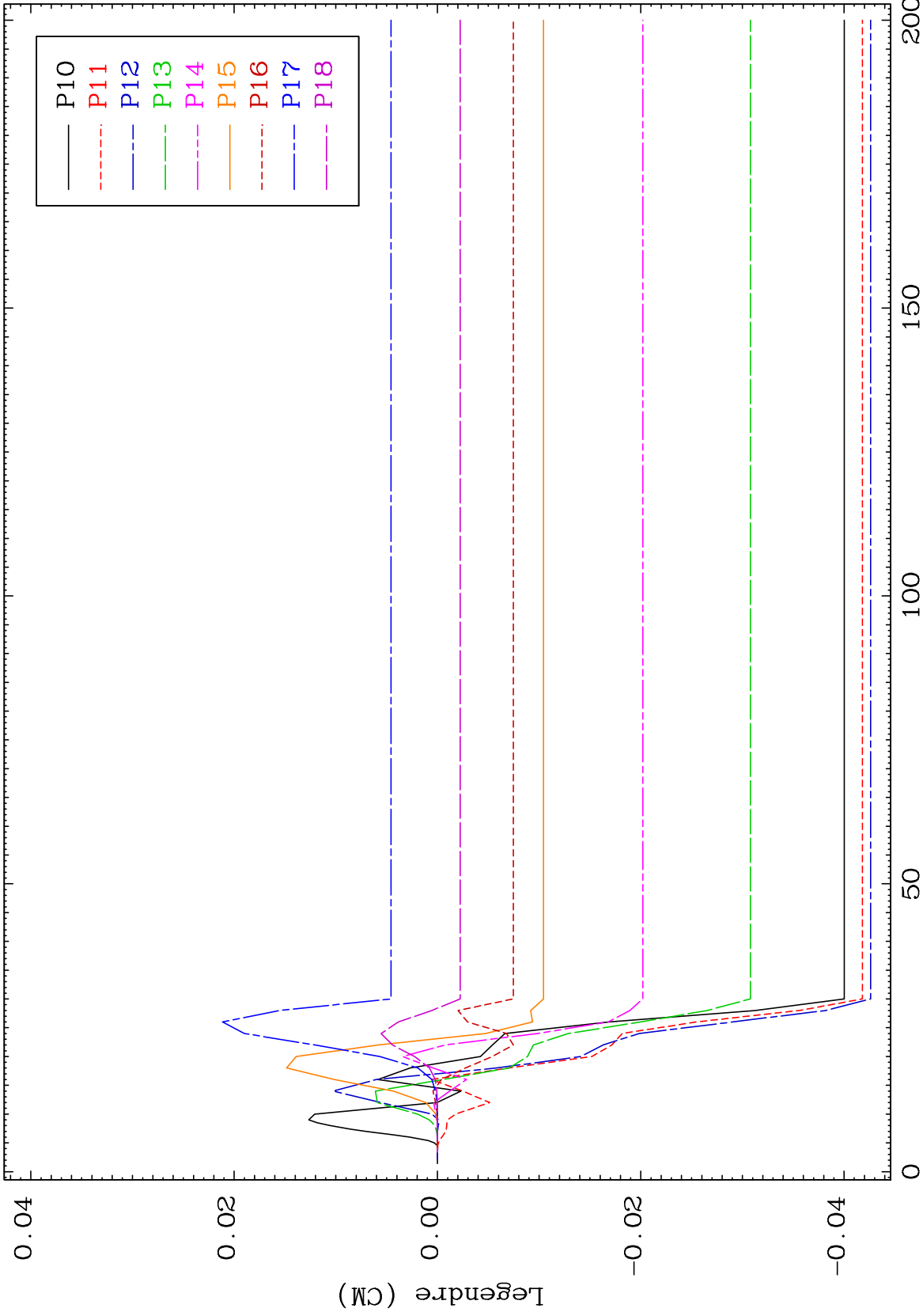
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

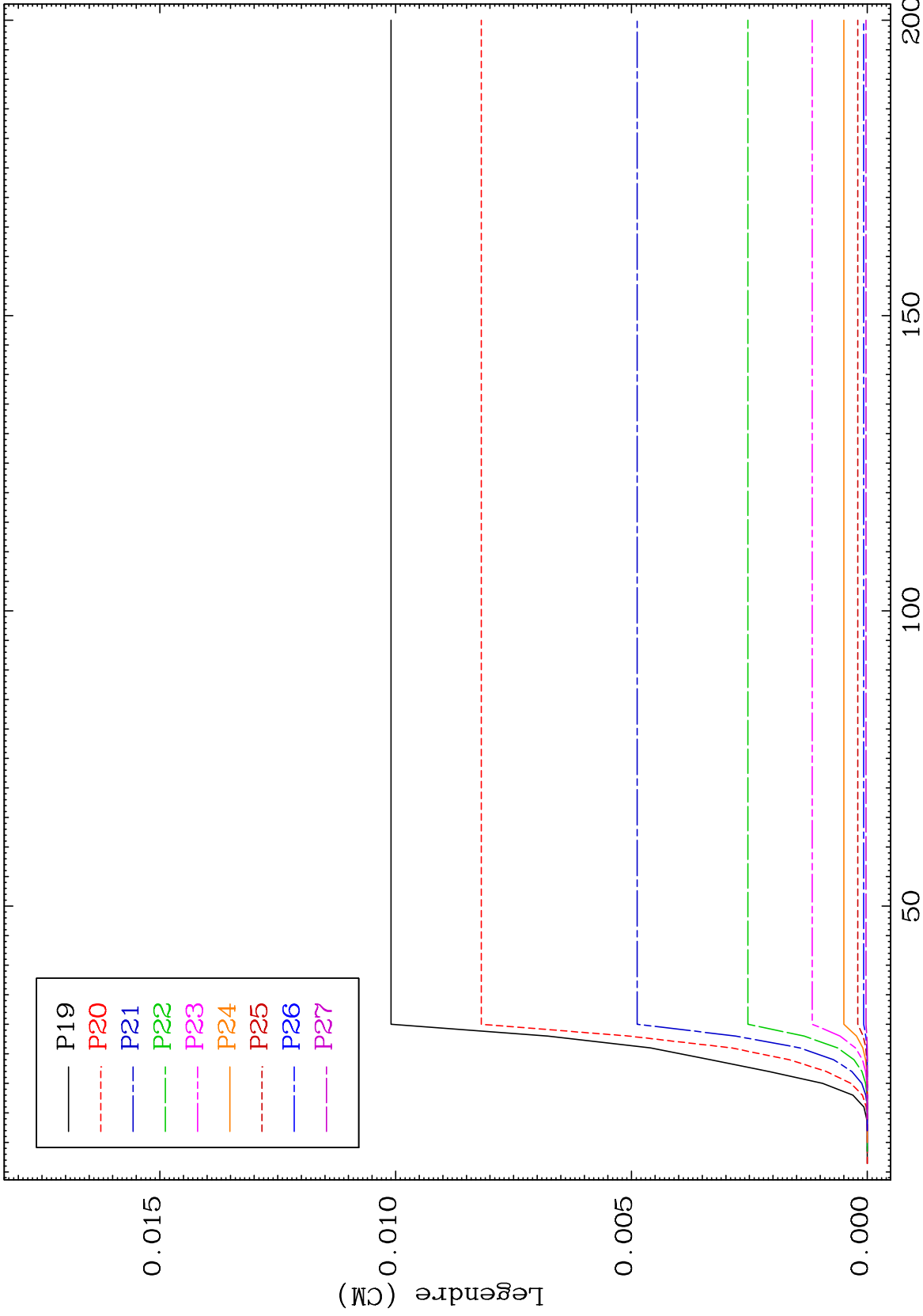
64-Gd-156



40

Incident Energy (MeV)

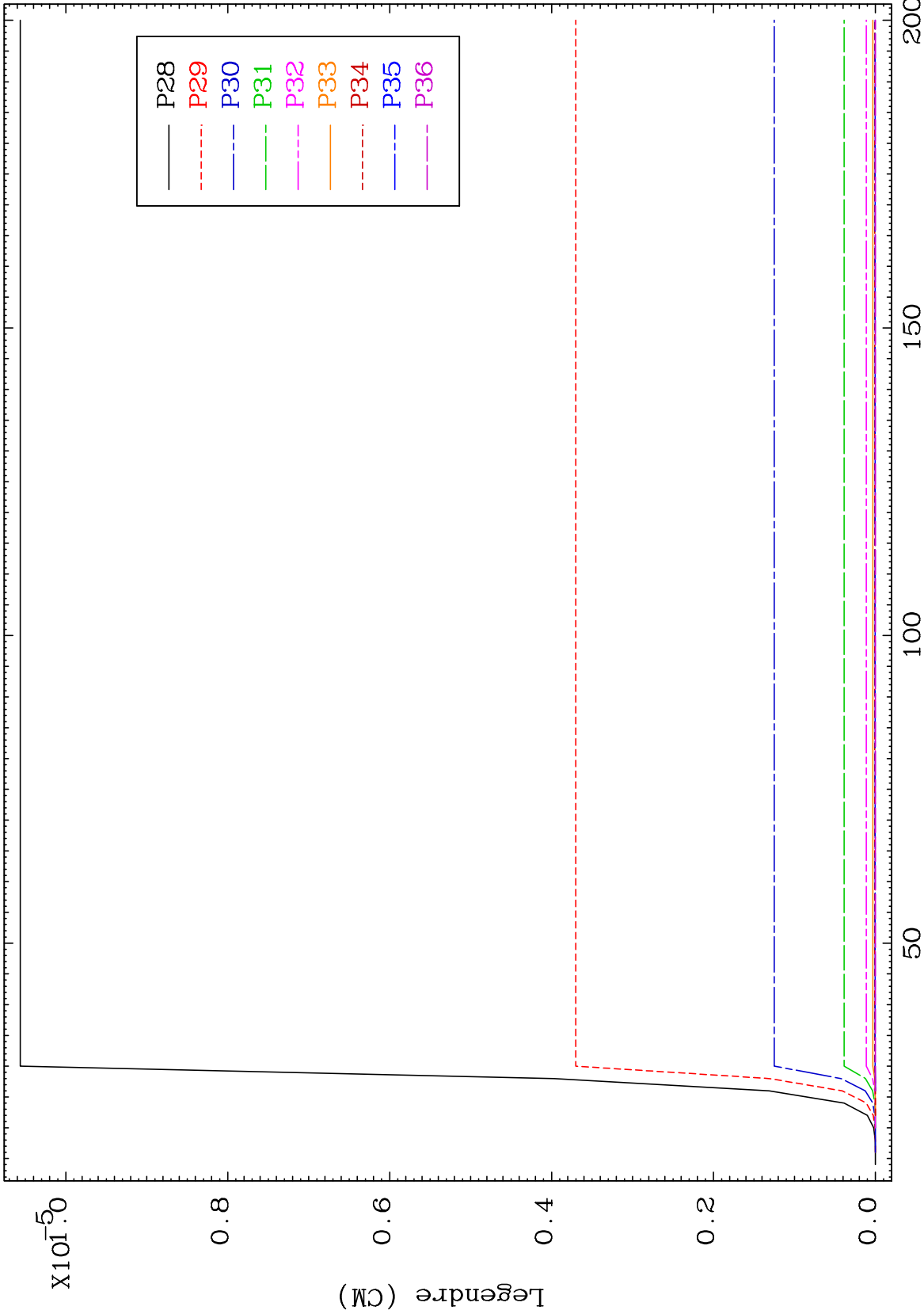
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MAT 6437

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

64-Gd-156



42

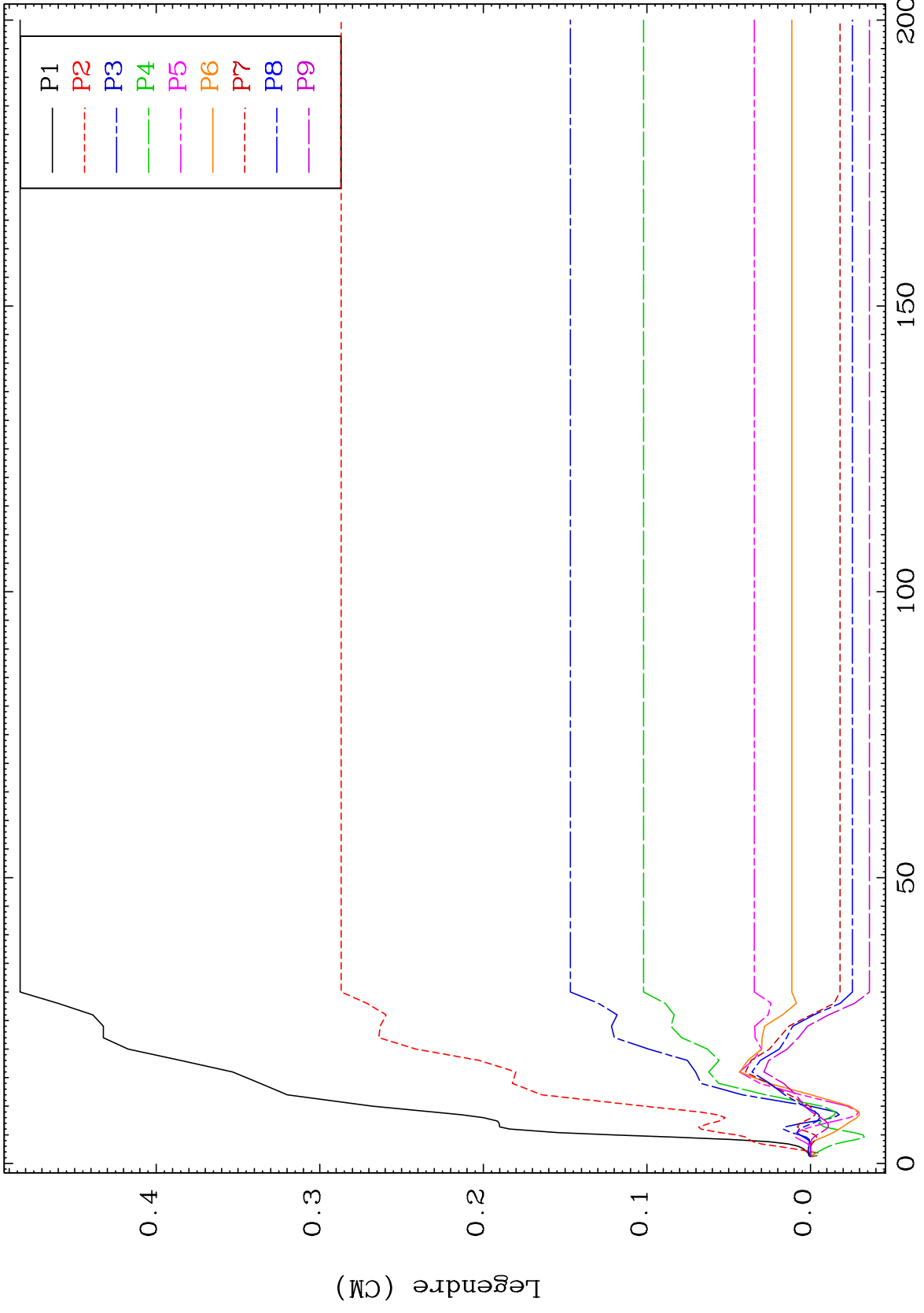
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



43

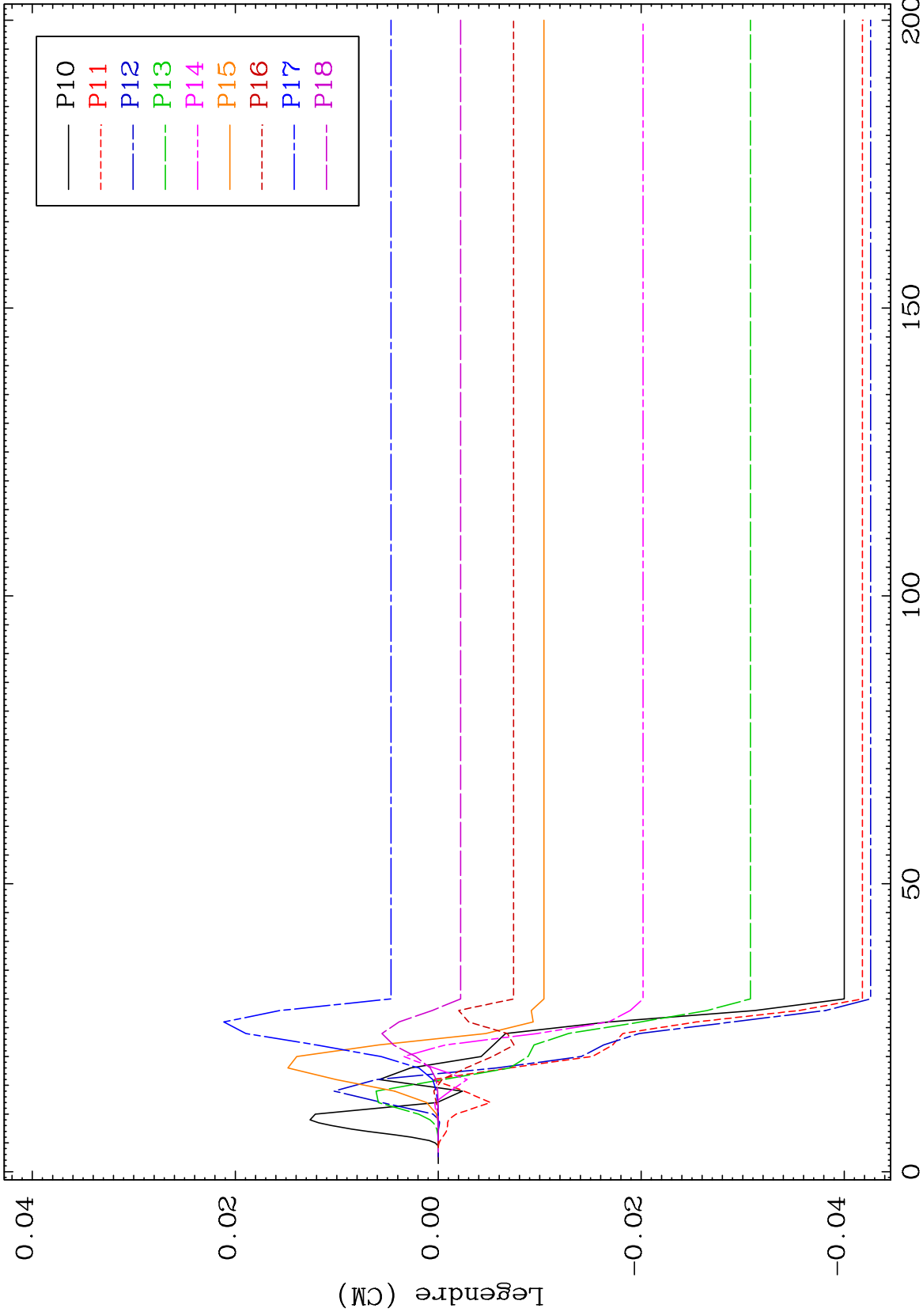
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



44

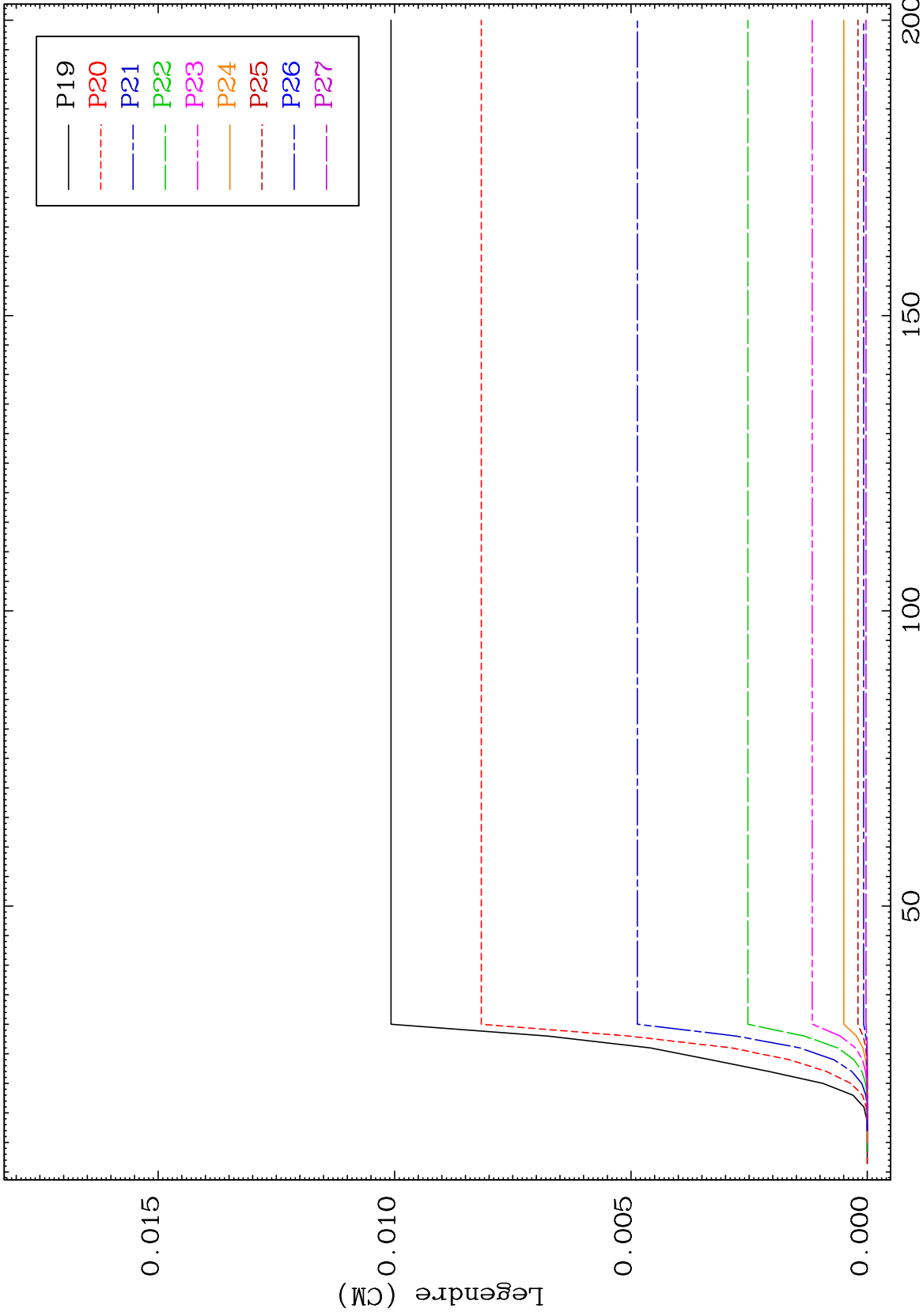
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



45

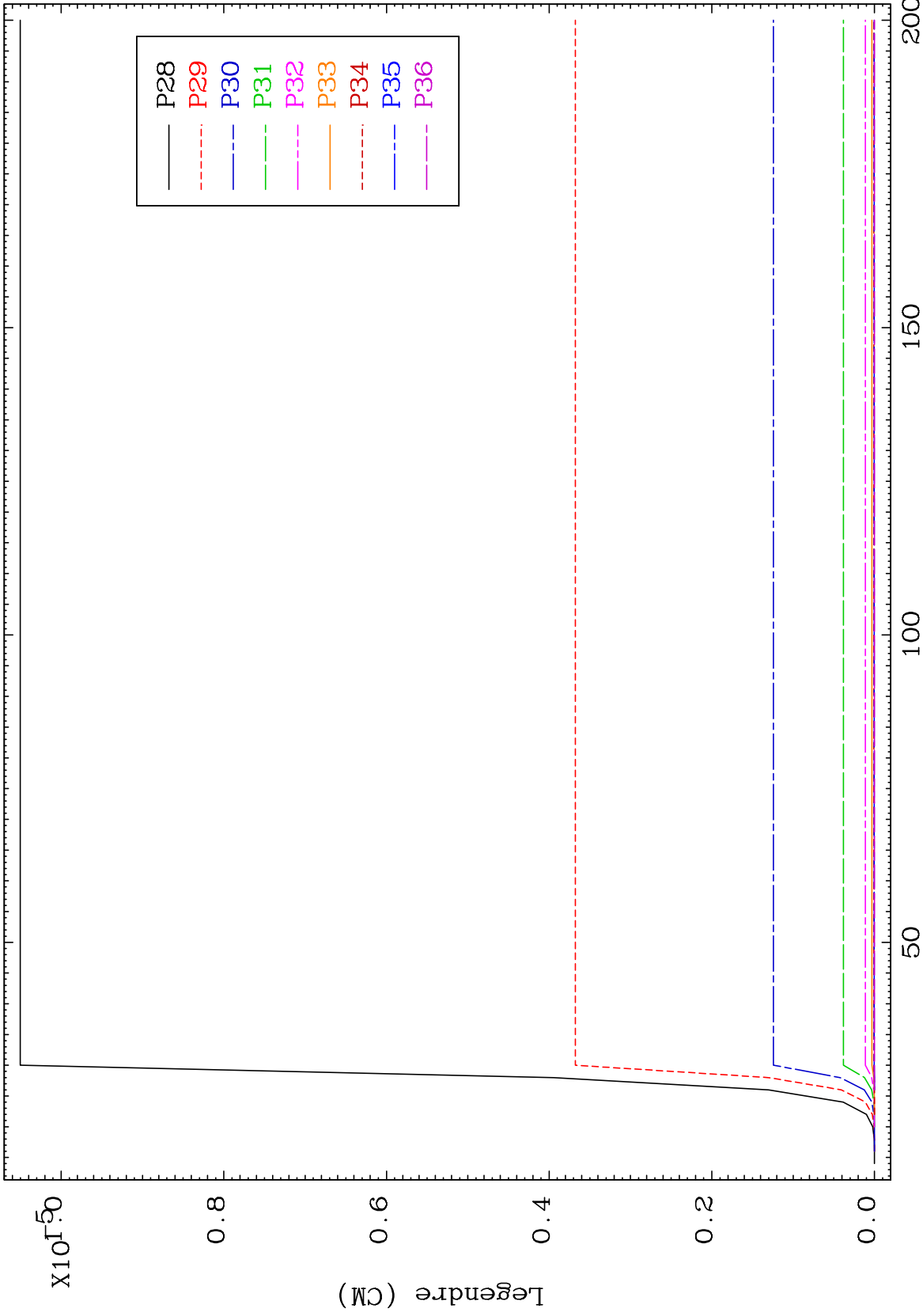
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



46

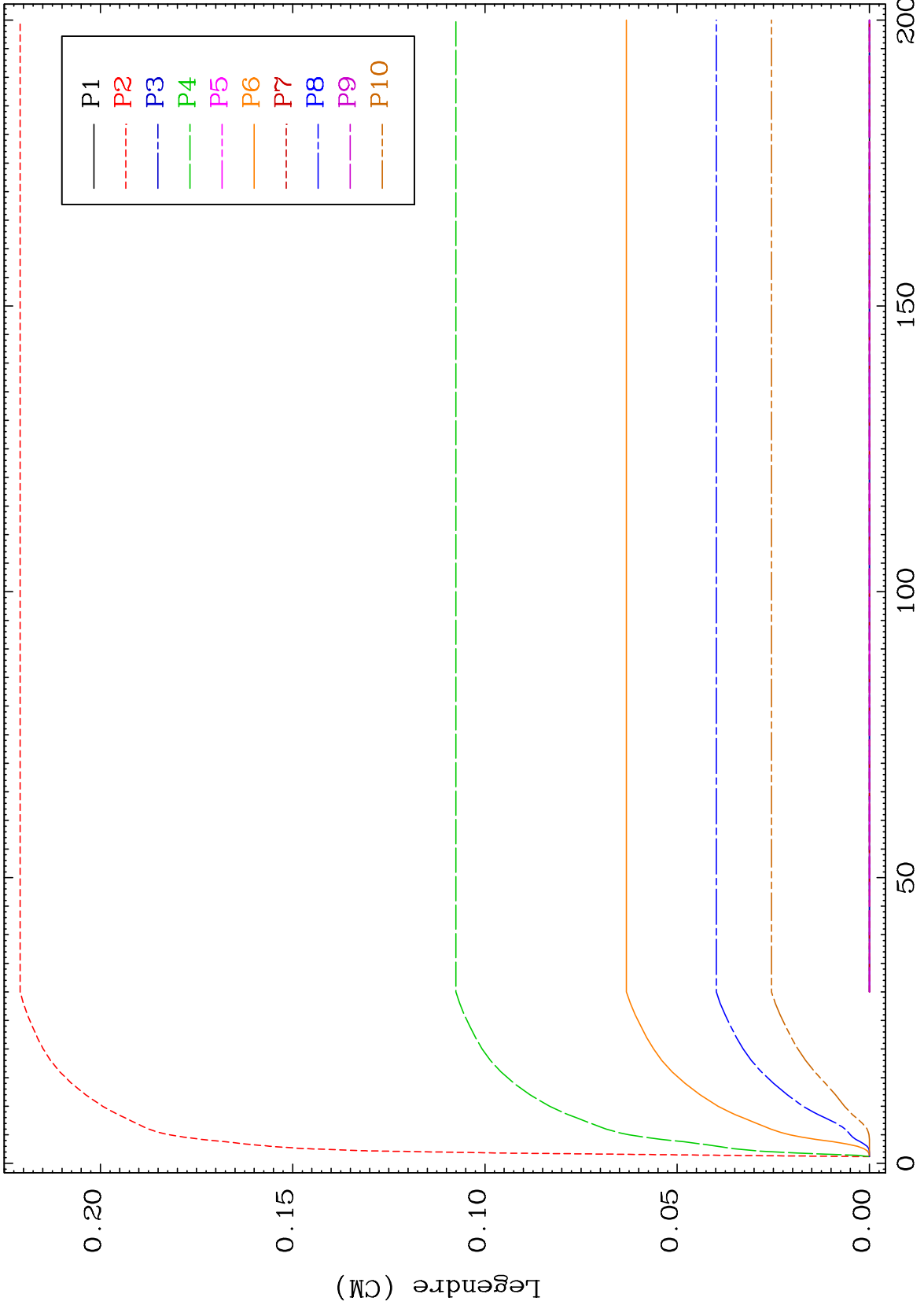
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



47

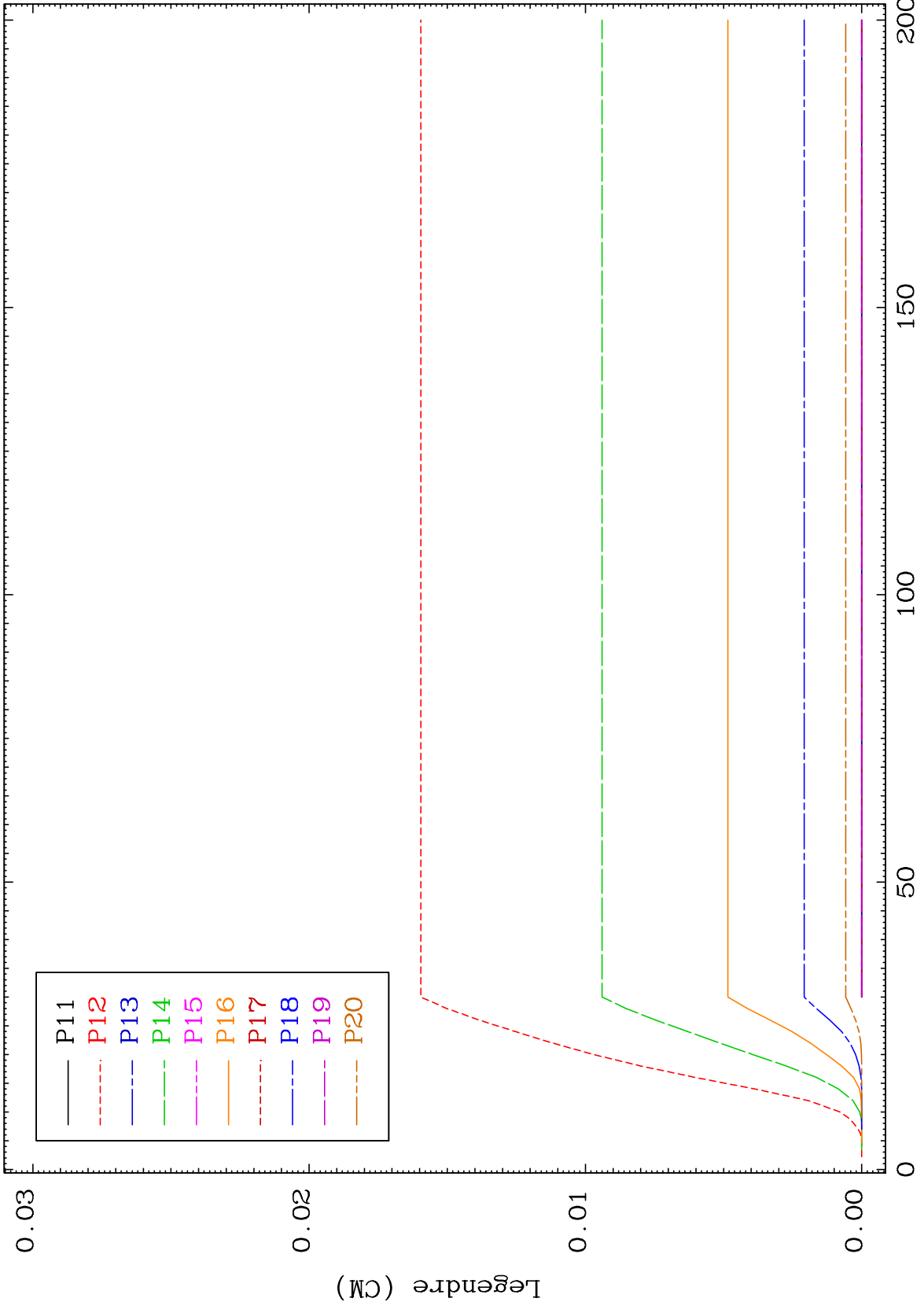
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156

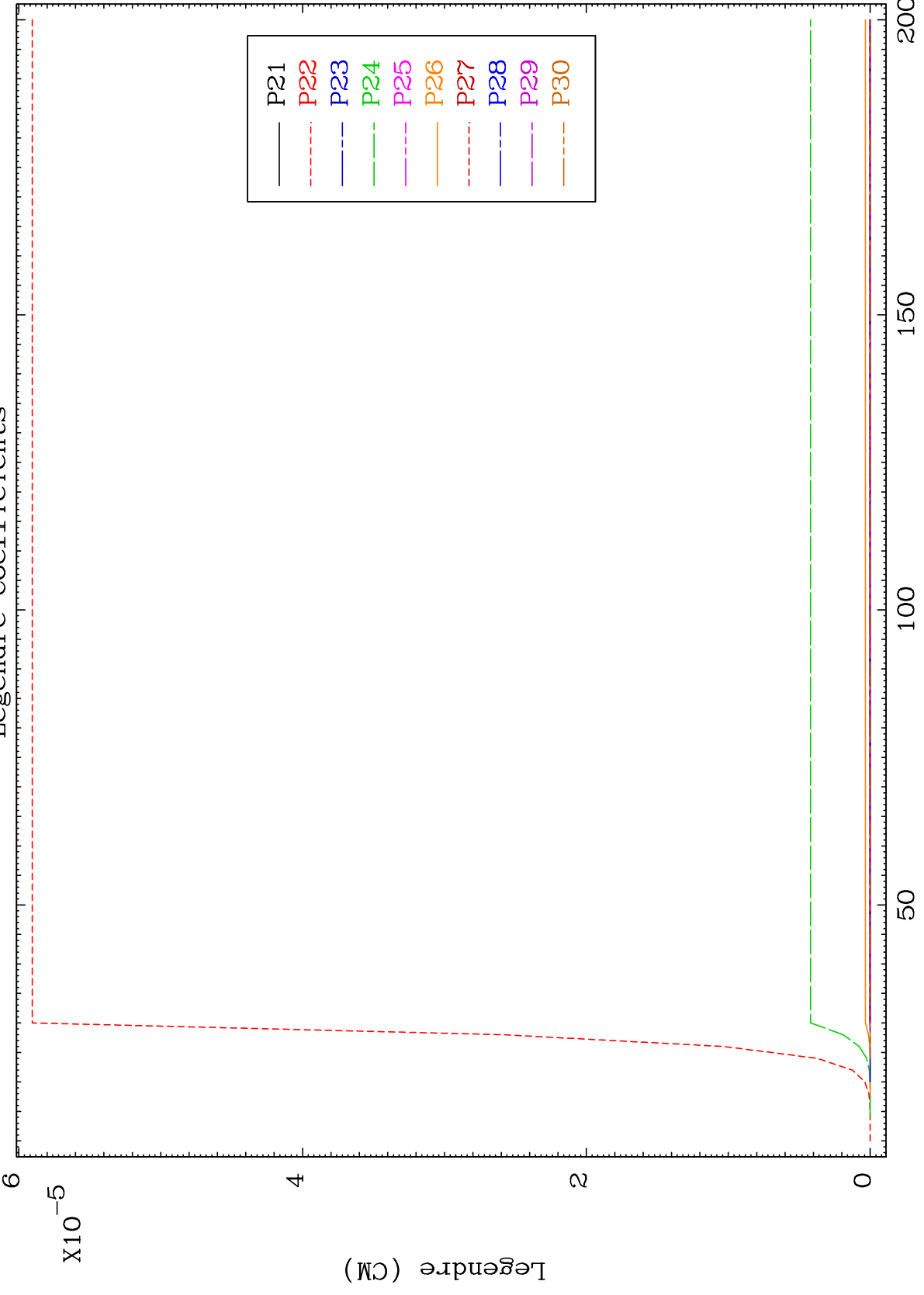


48

Incident Energy (MeV)

64-Gd-156

MAT 6437 MT= 58 (n,n') Level Legendre Coefficients 64-Gd-156

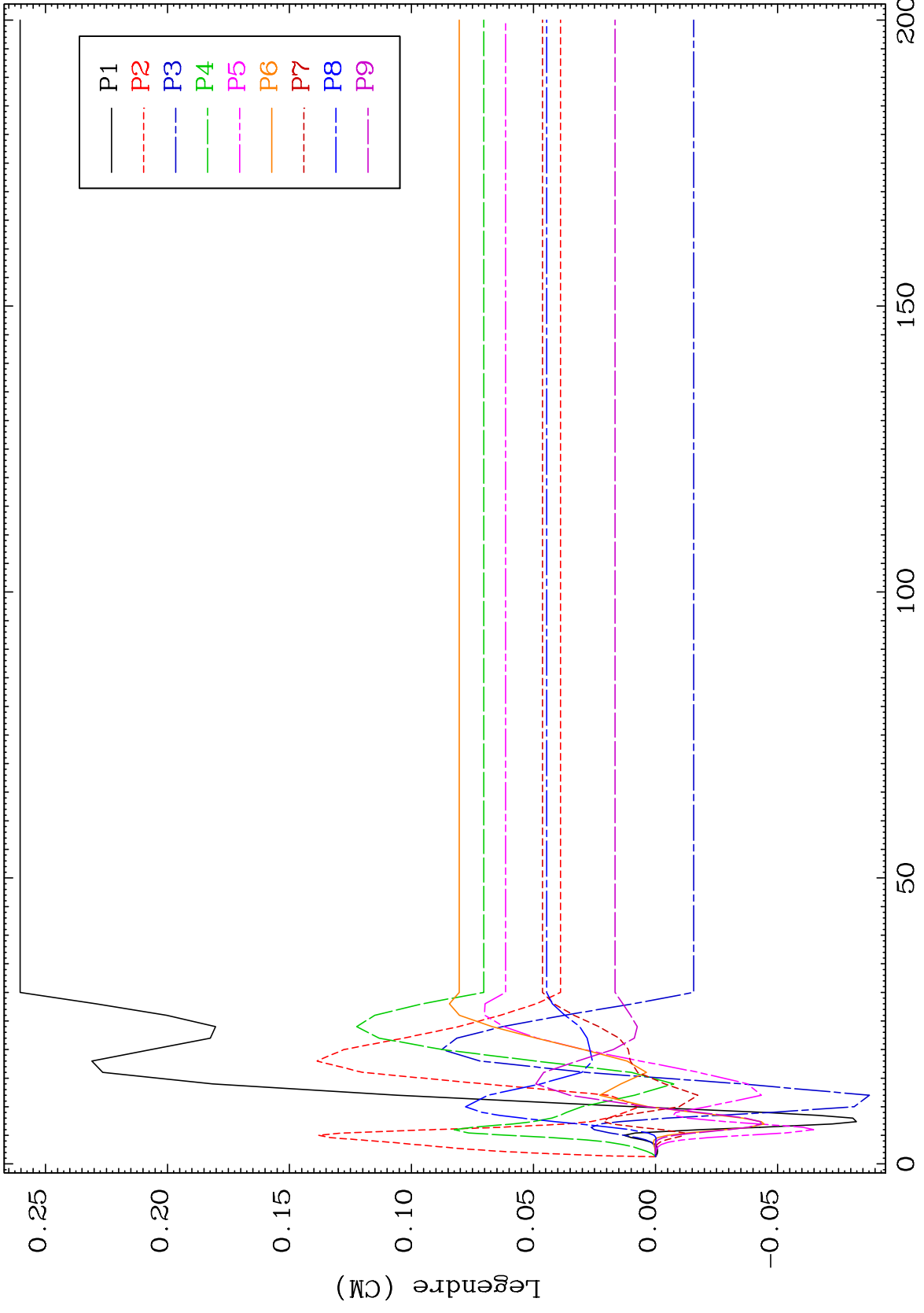


49 50 100 150 200 64-Gd-156

MAT 6437

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

64-Gd-156



50

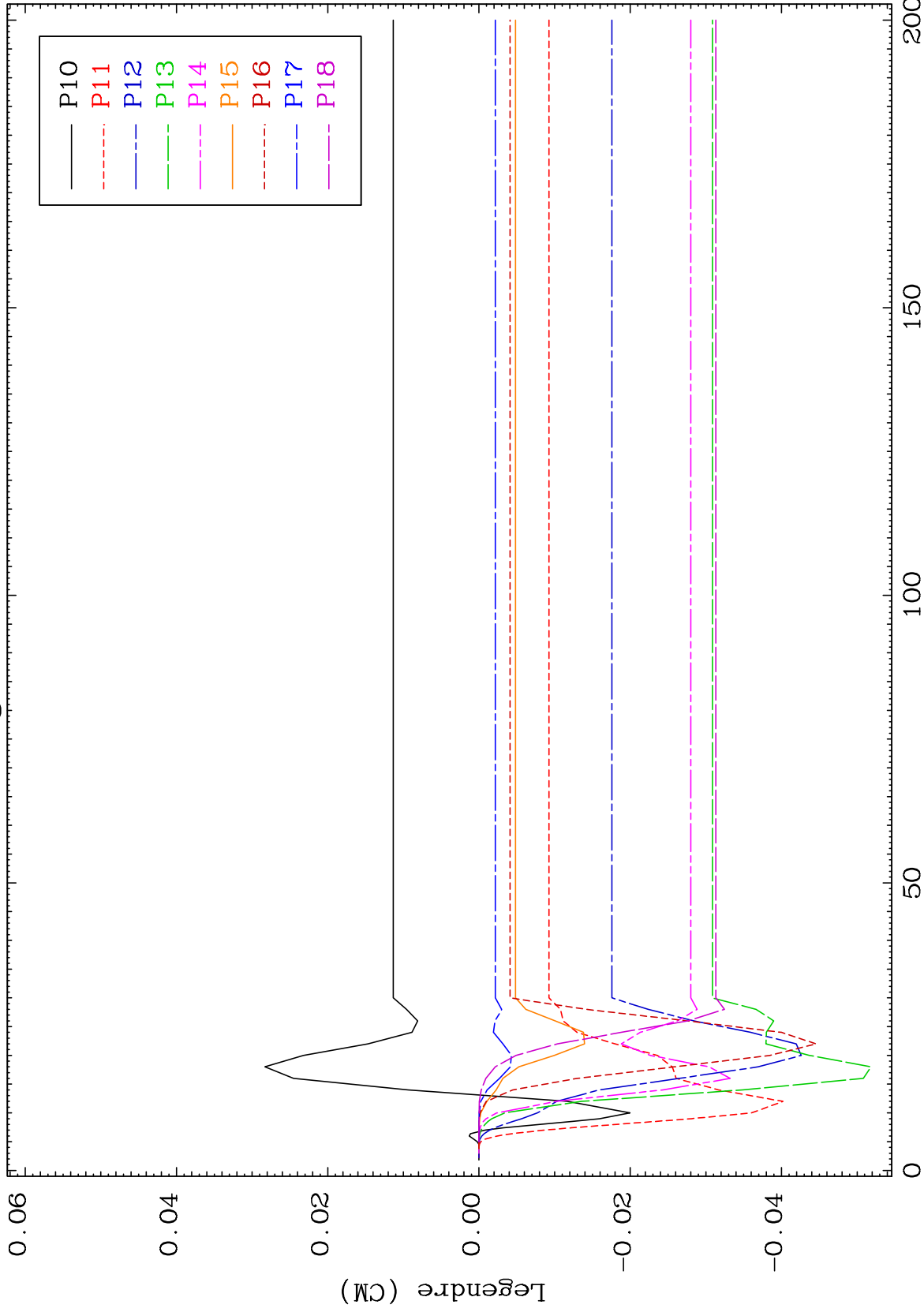
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



51

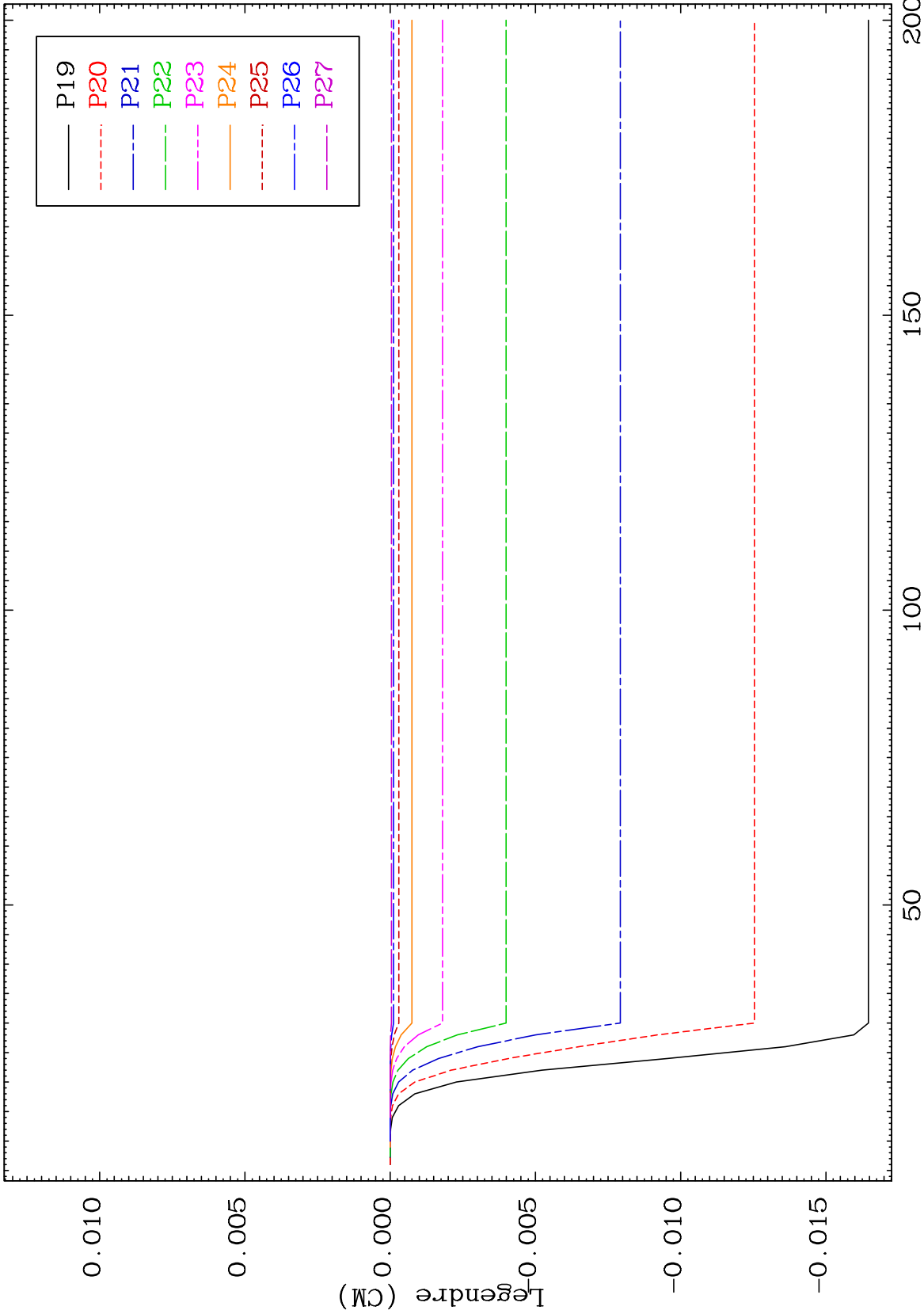
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



52

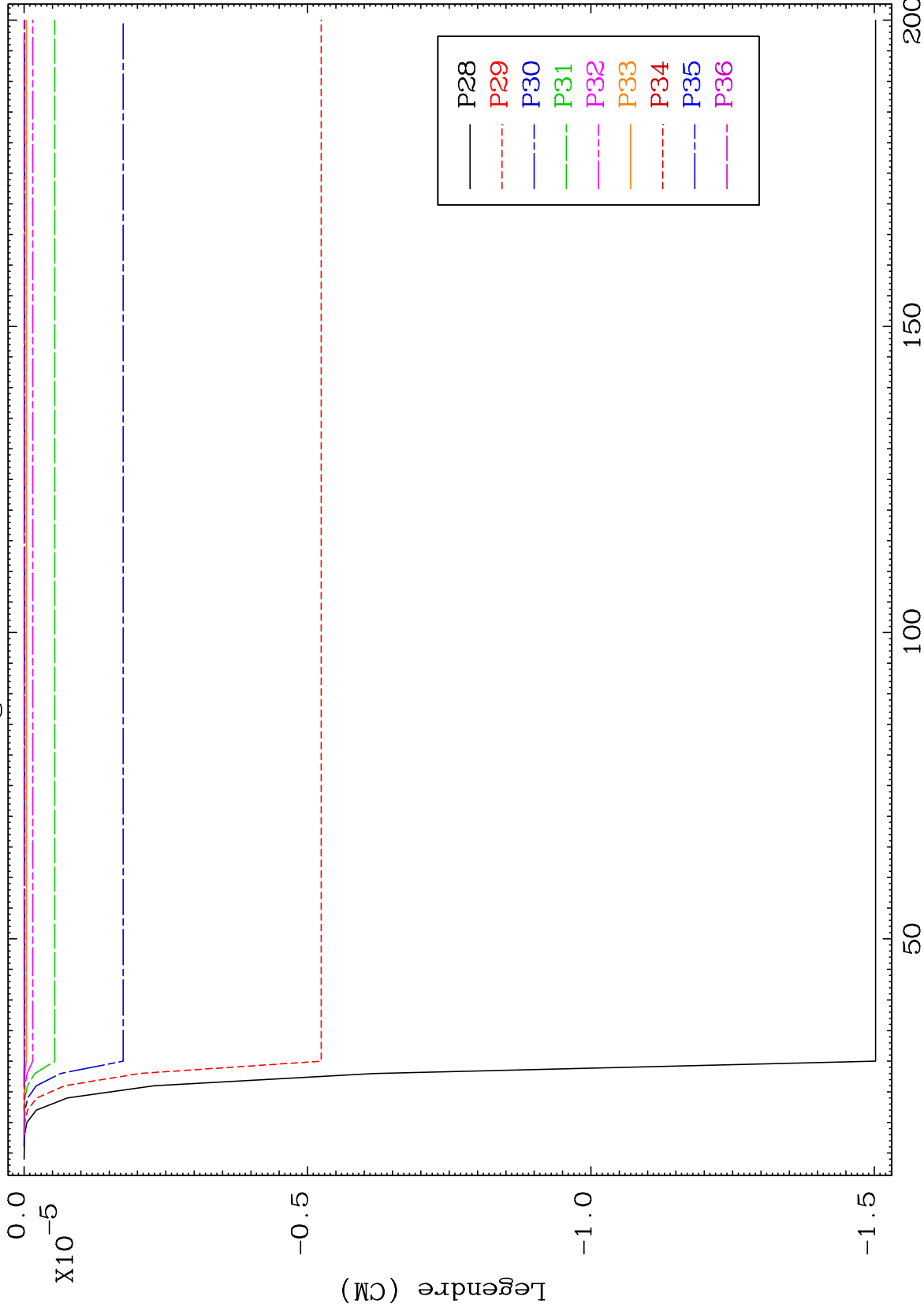
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156

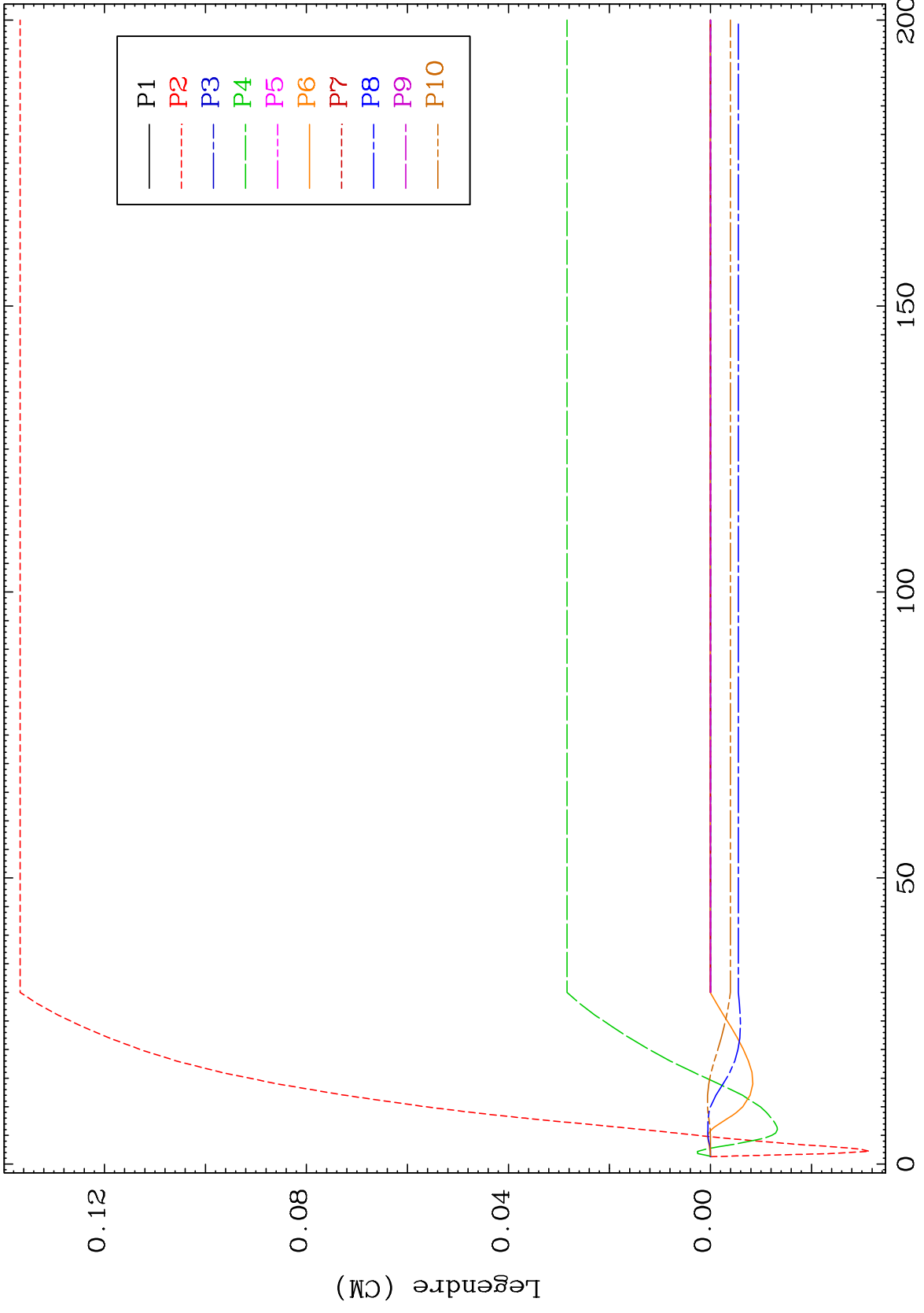


53

Incident Energy (MeV)

64-Gd-156

MAT 6437 MT= 60 (n,n') Level Legendre Coefficients 64-Gd-156

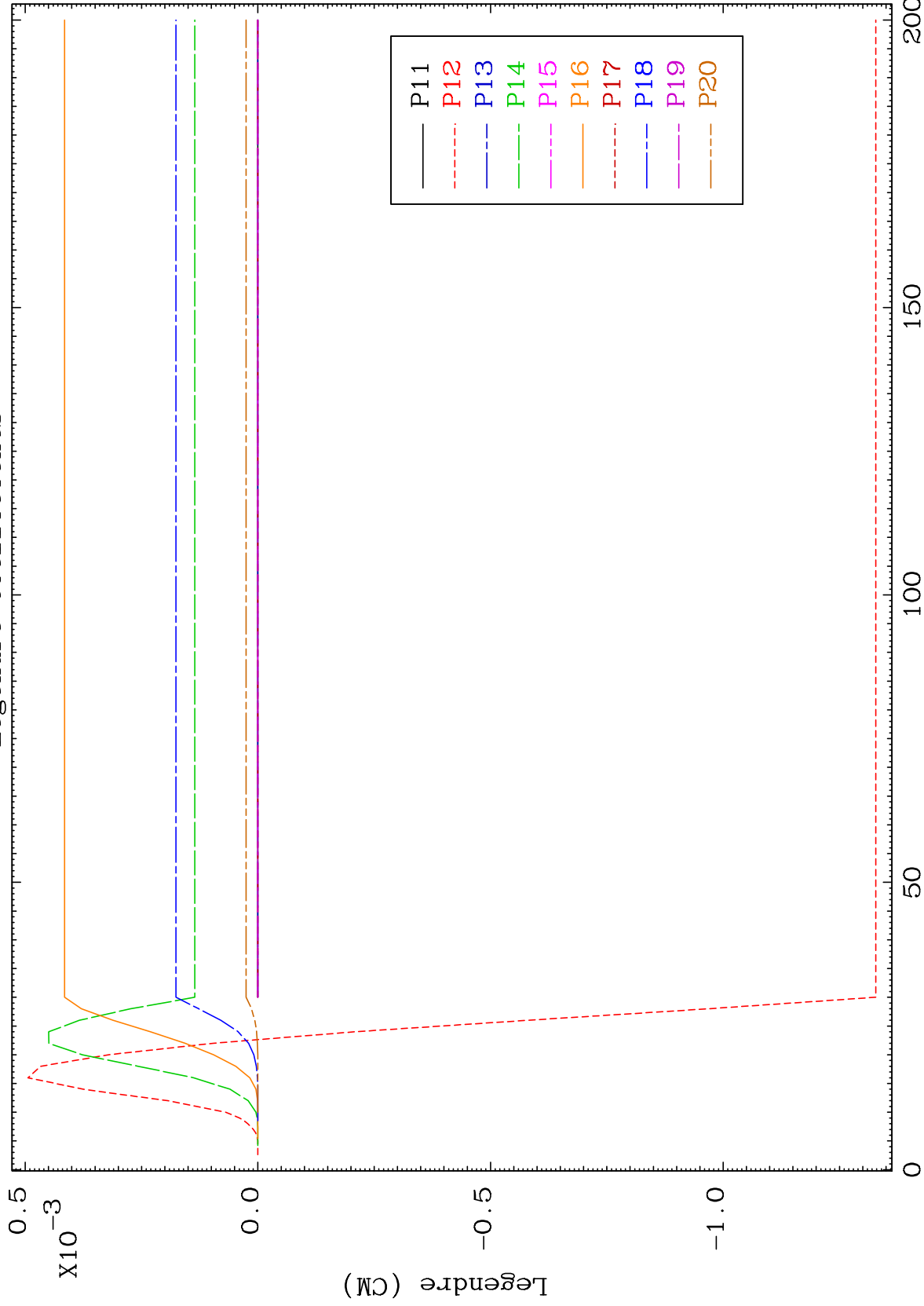


64-Gd-156

MAT 6437

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

64-Gd-156



55

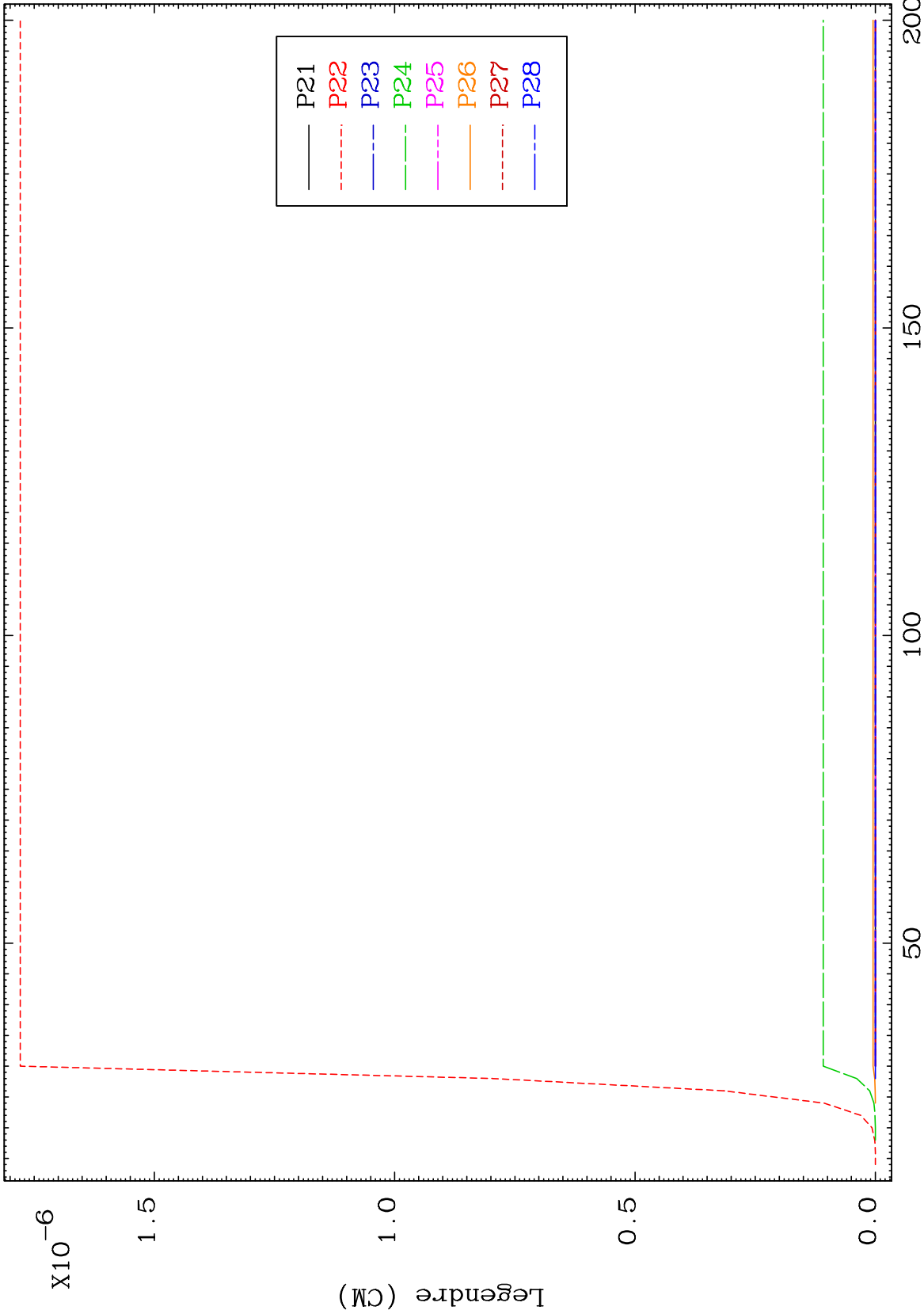
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



56

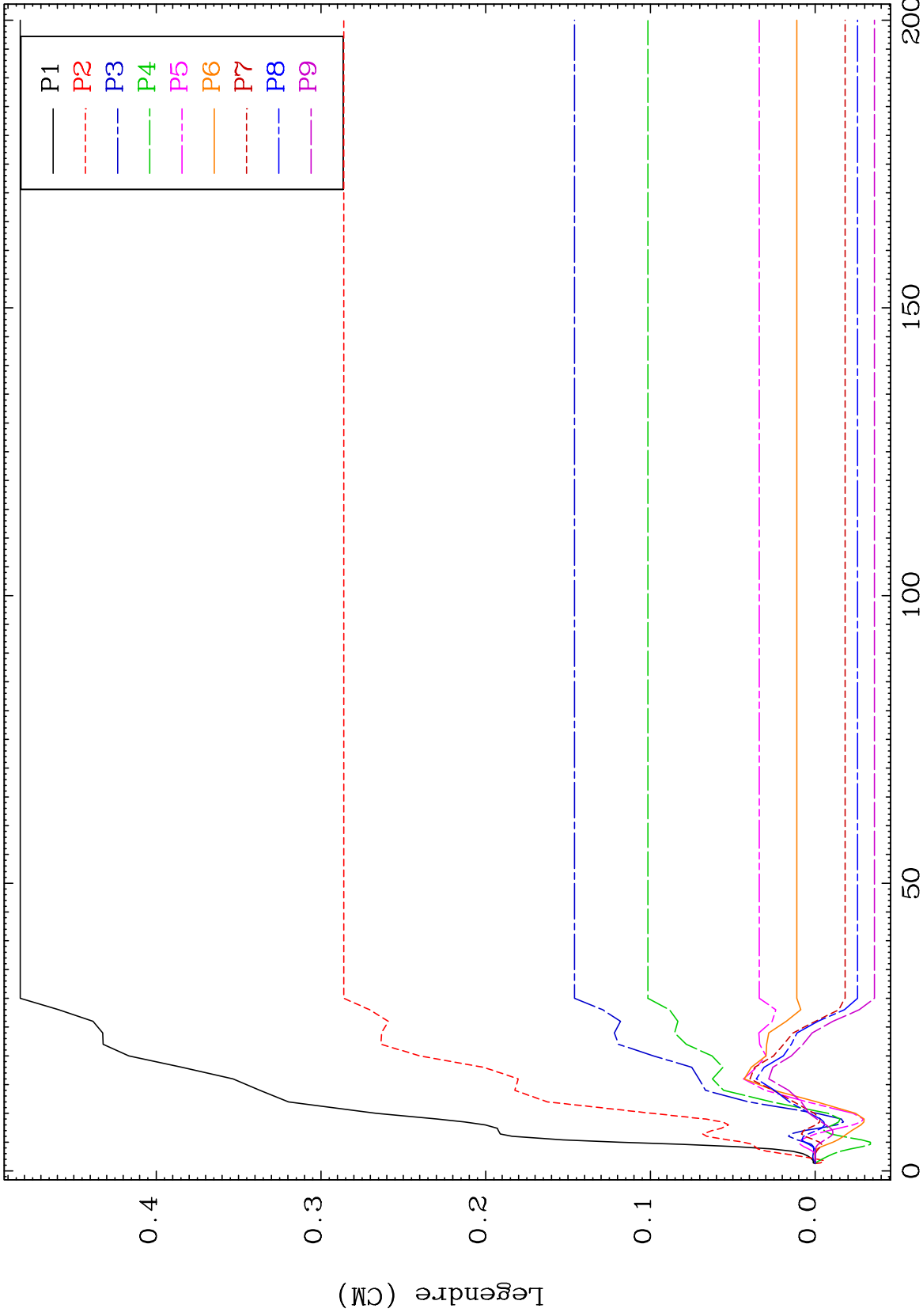
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



57

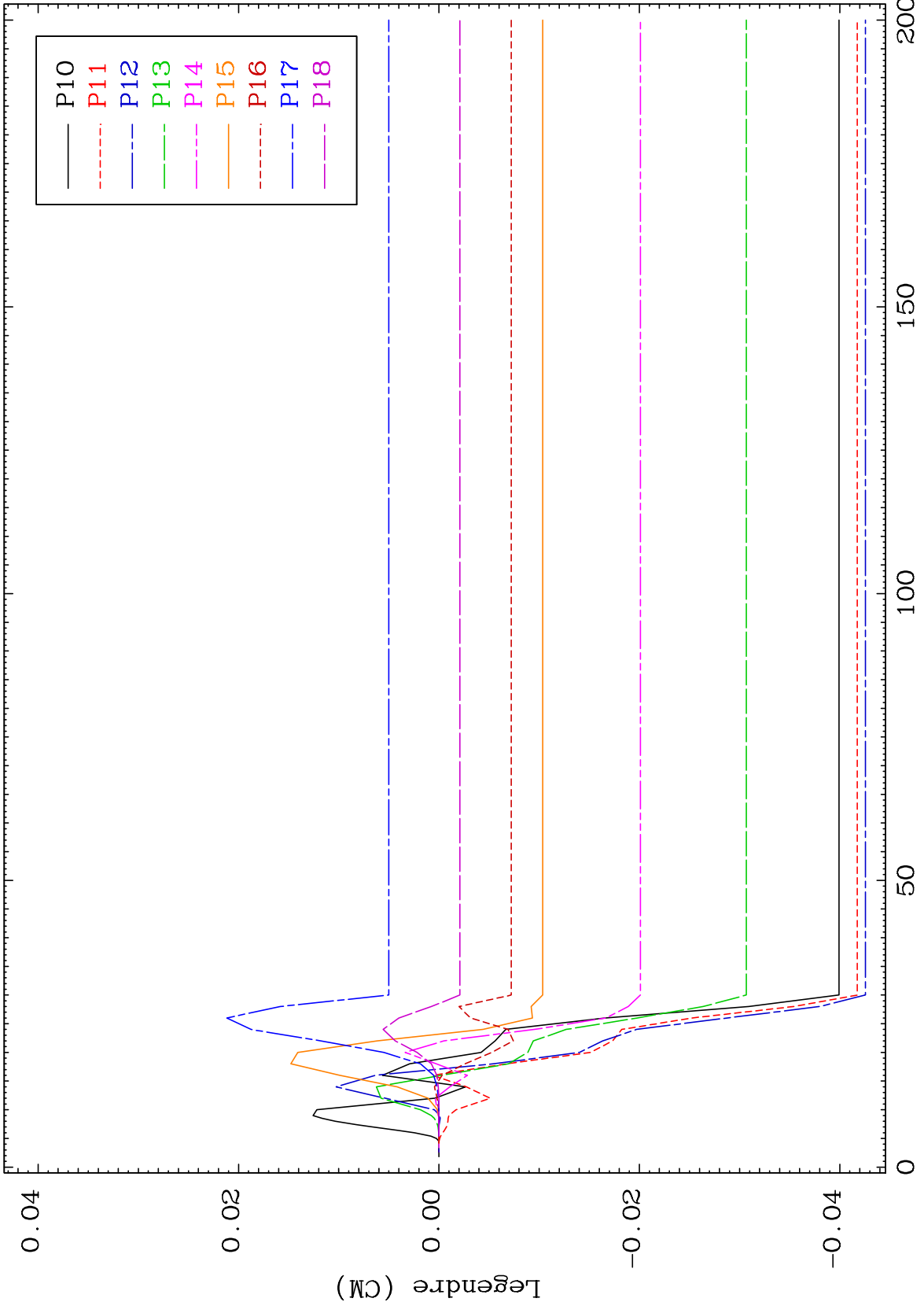
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



58

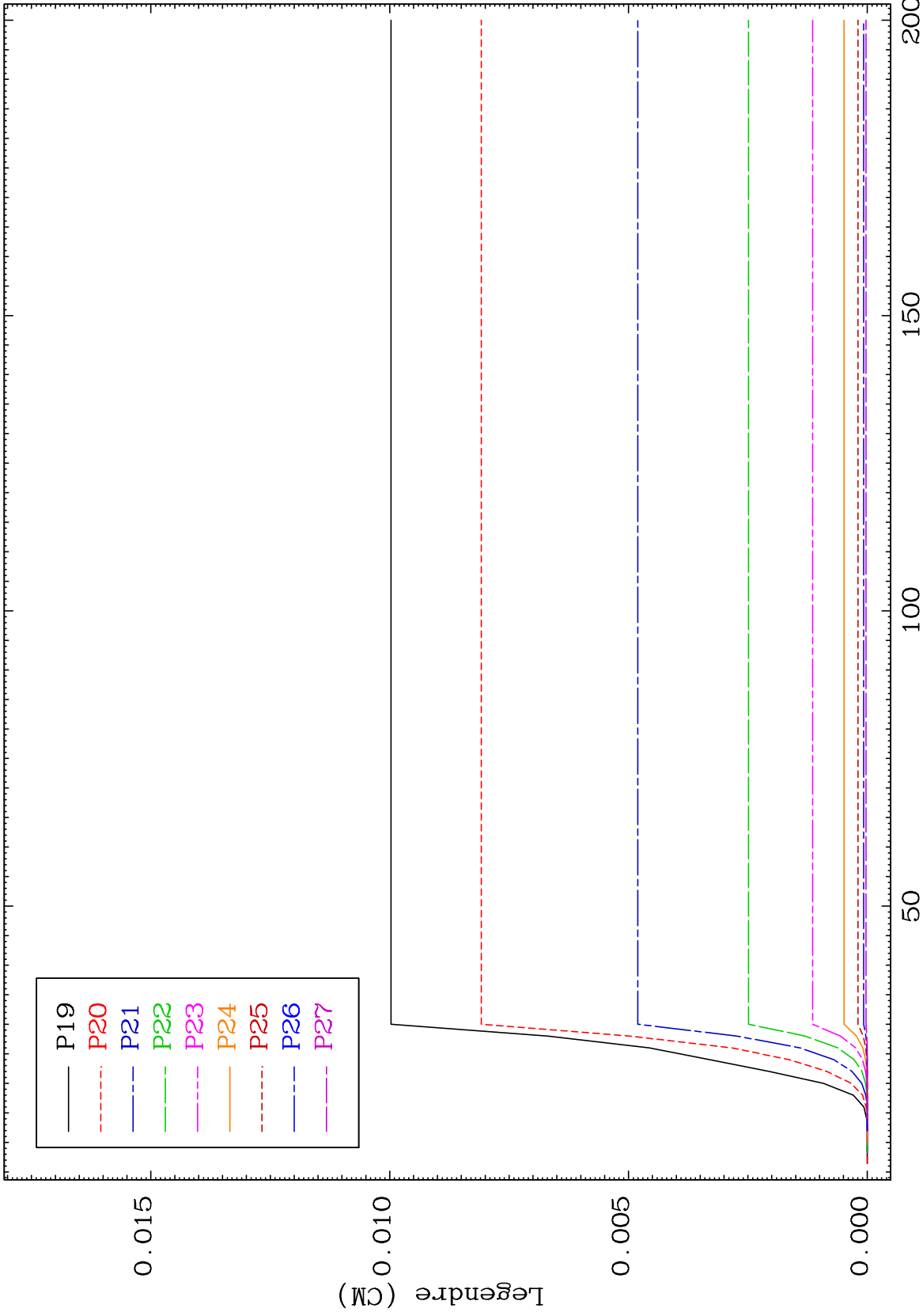
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



59

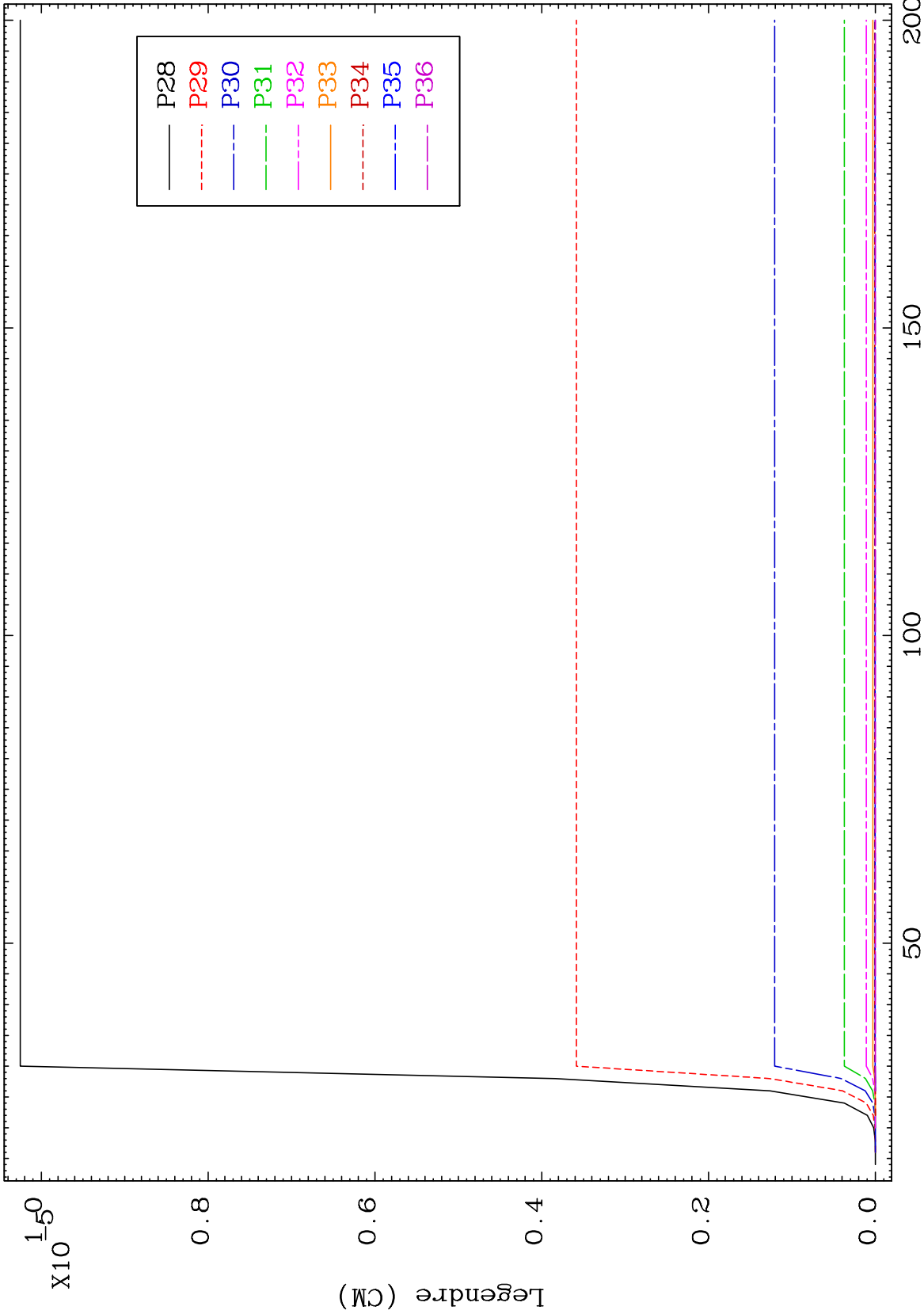
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



60

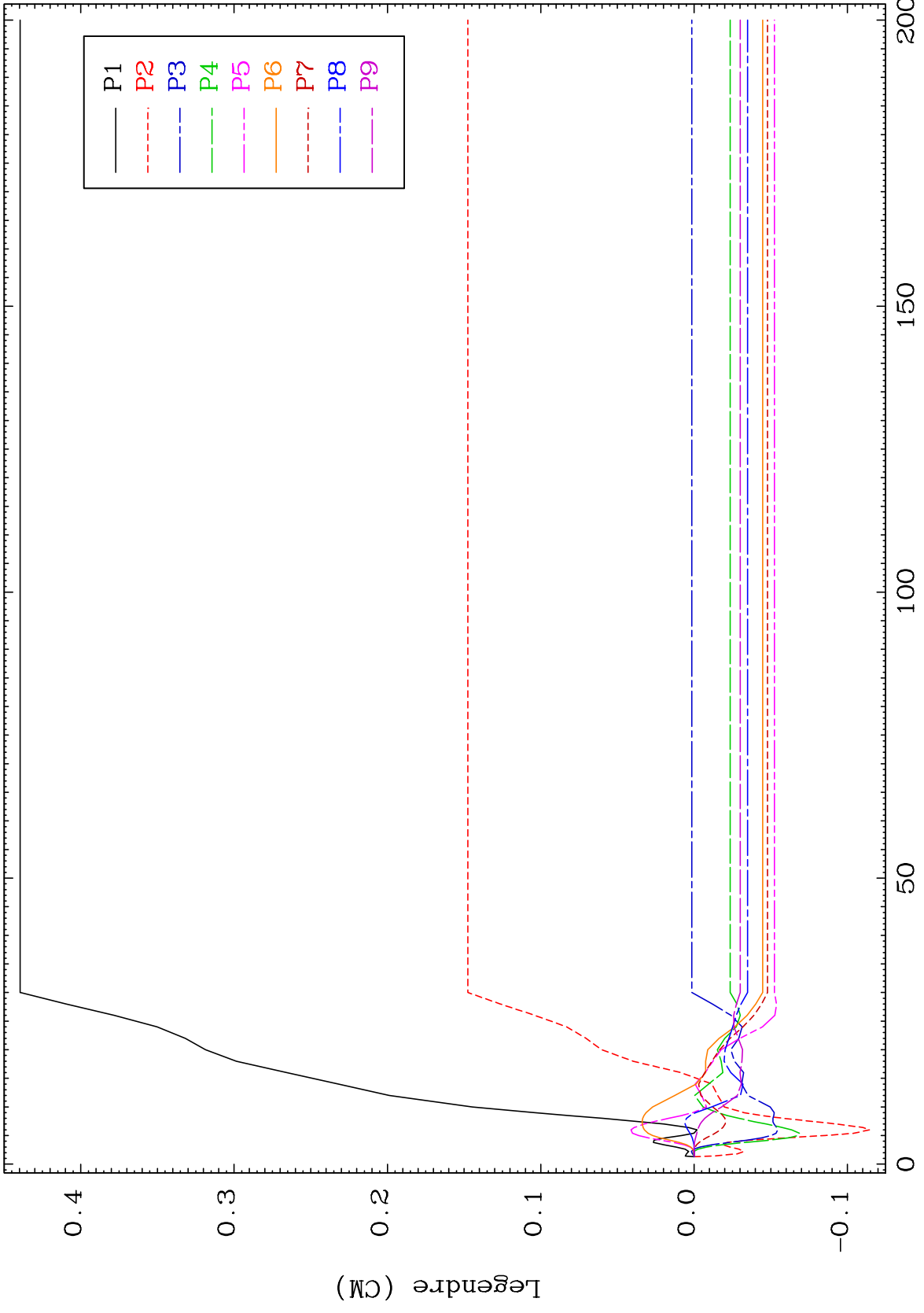
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



61

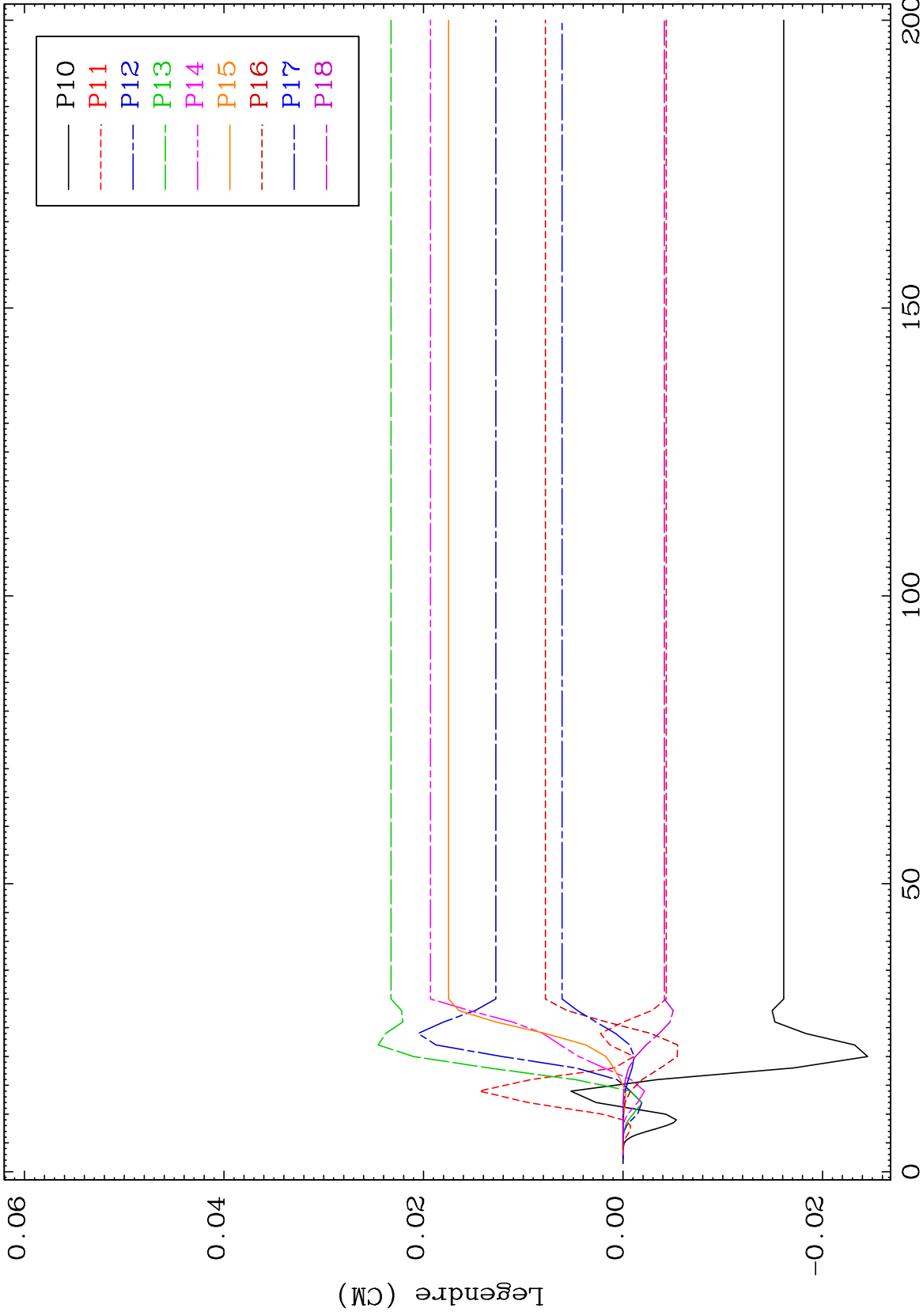
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



62

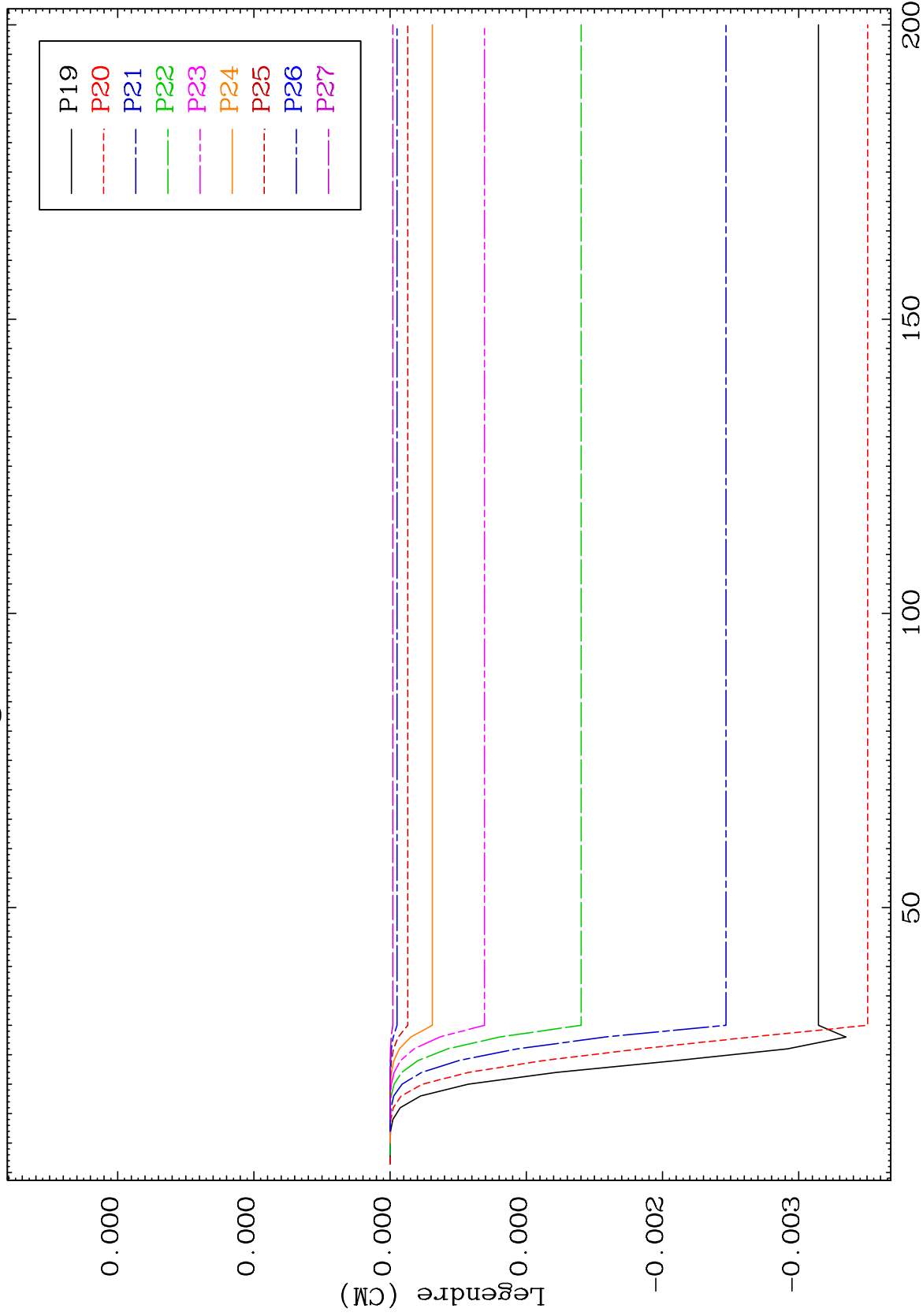
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



63

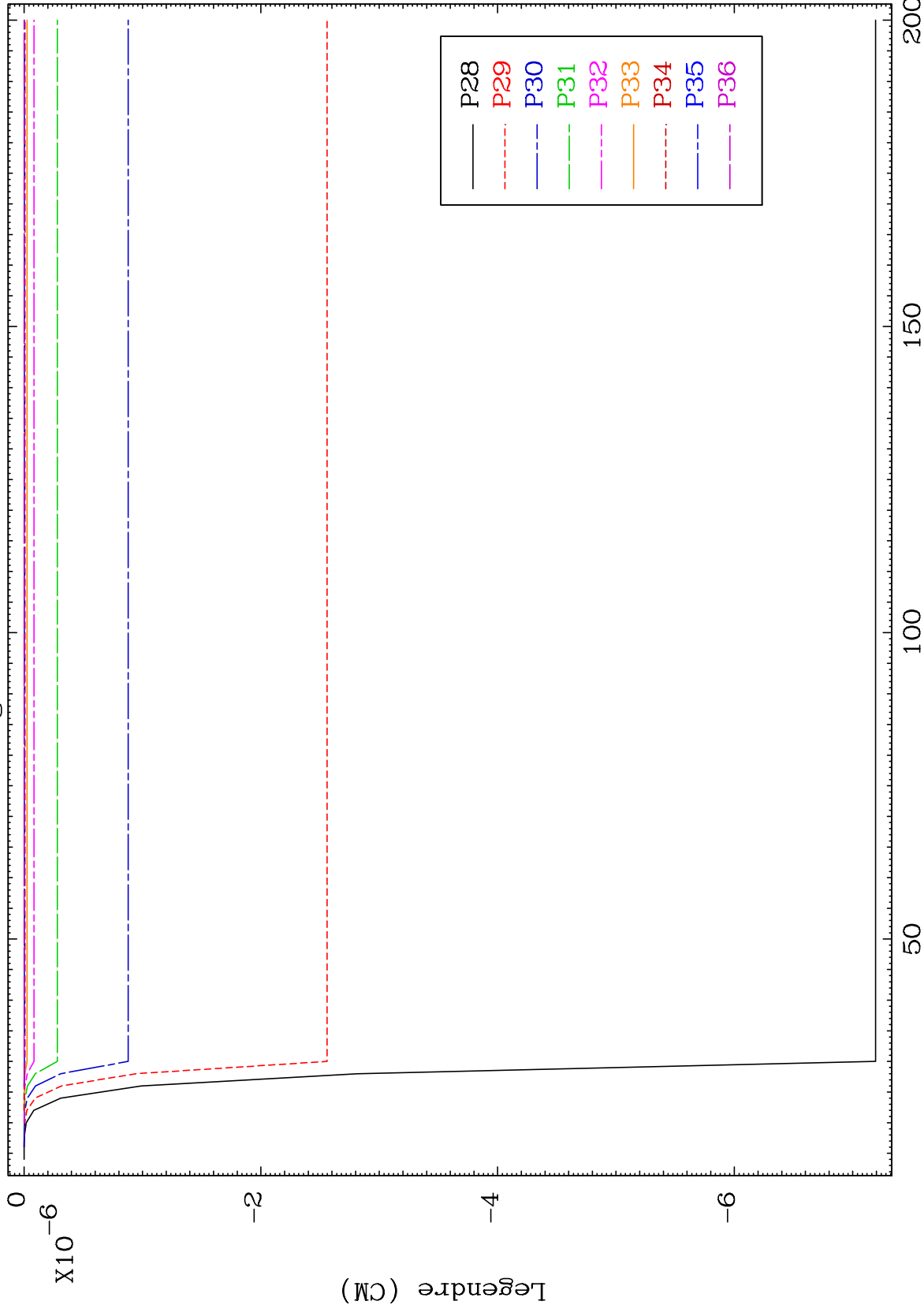
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

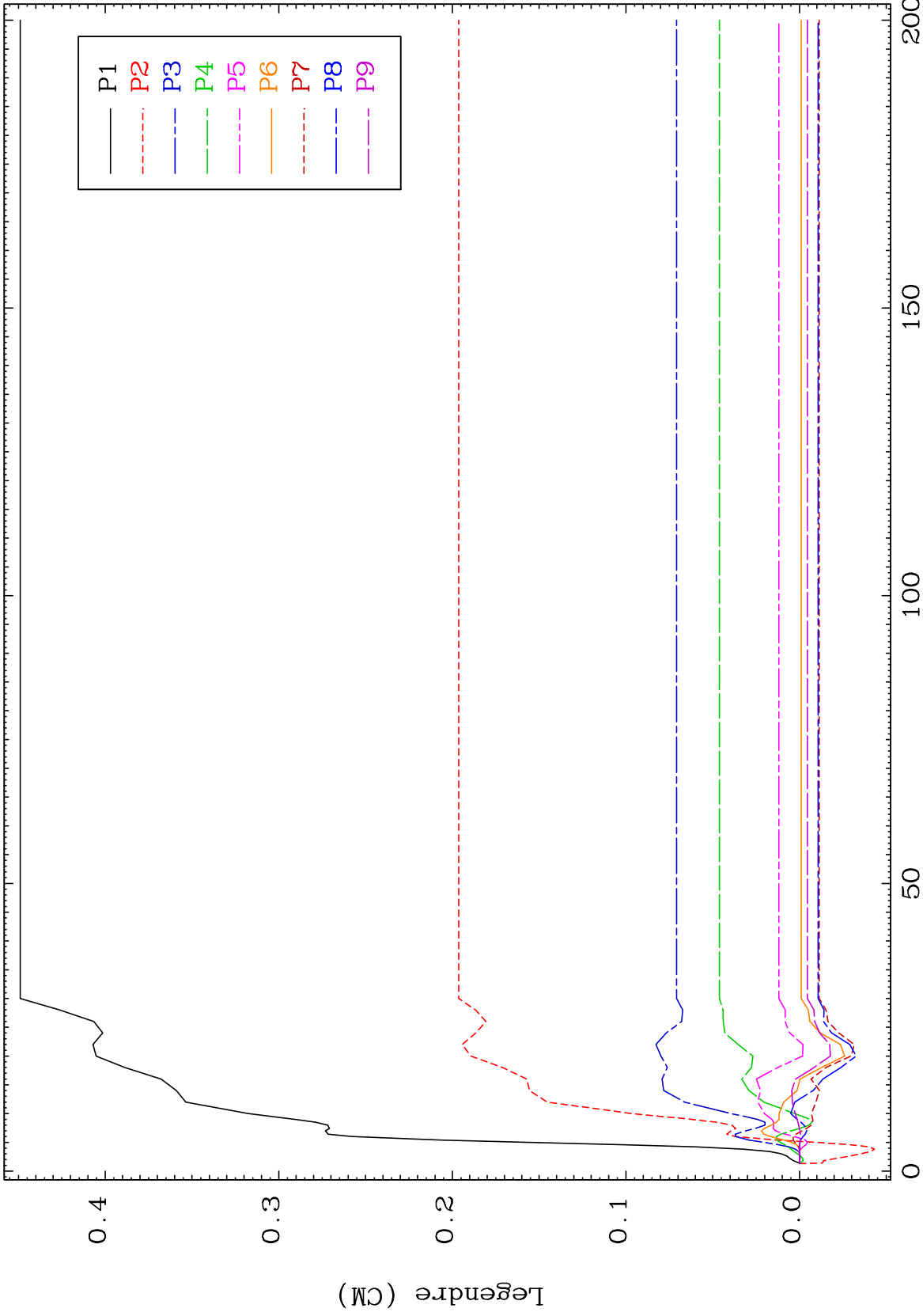
Incident Energy (MeV)

64

MAT 6437

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

64-Gd-156



65

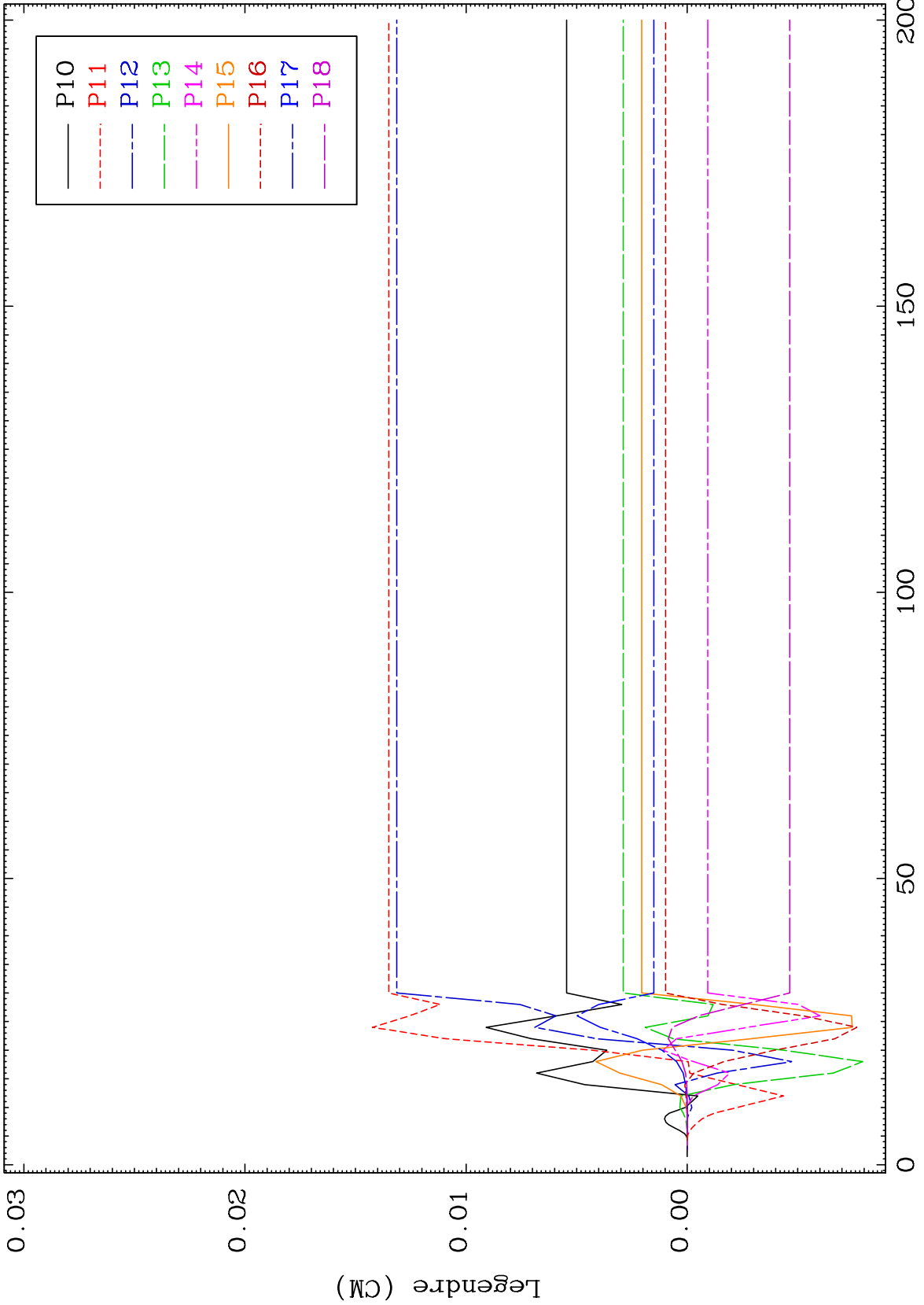
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



66

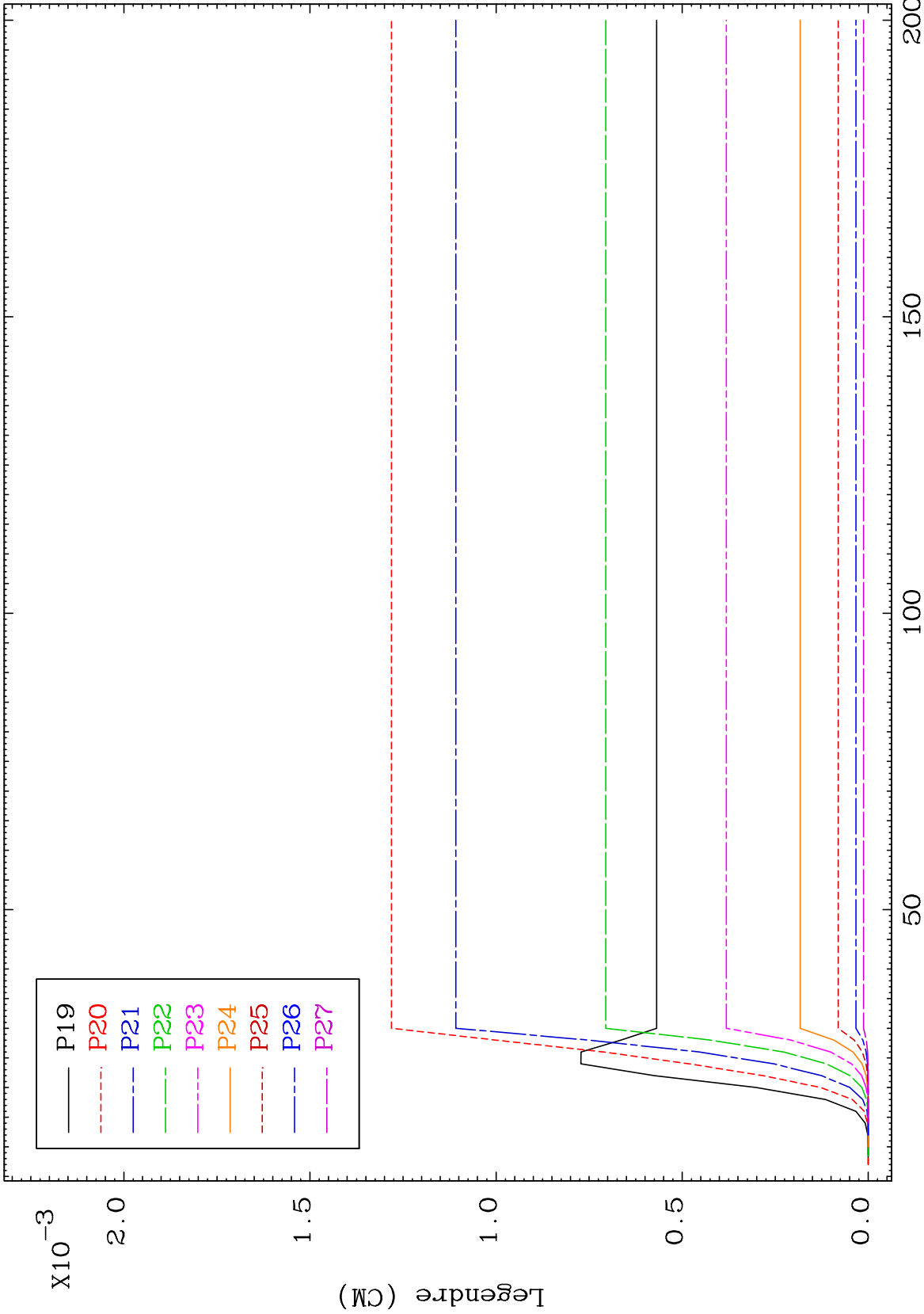
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

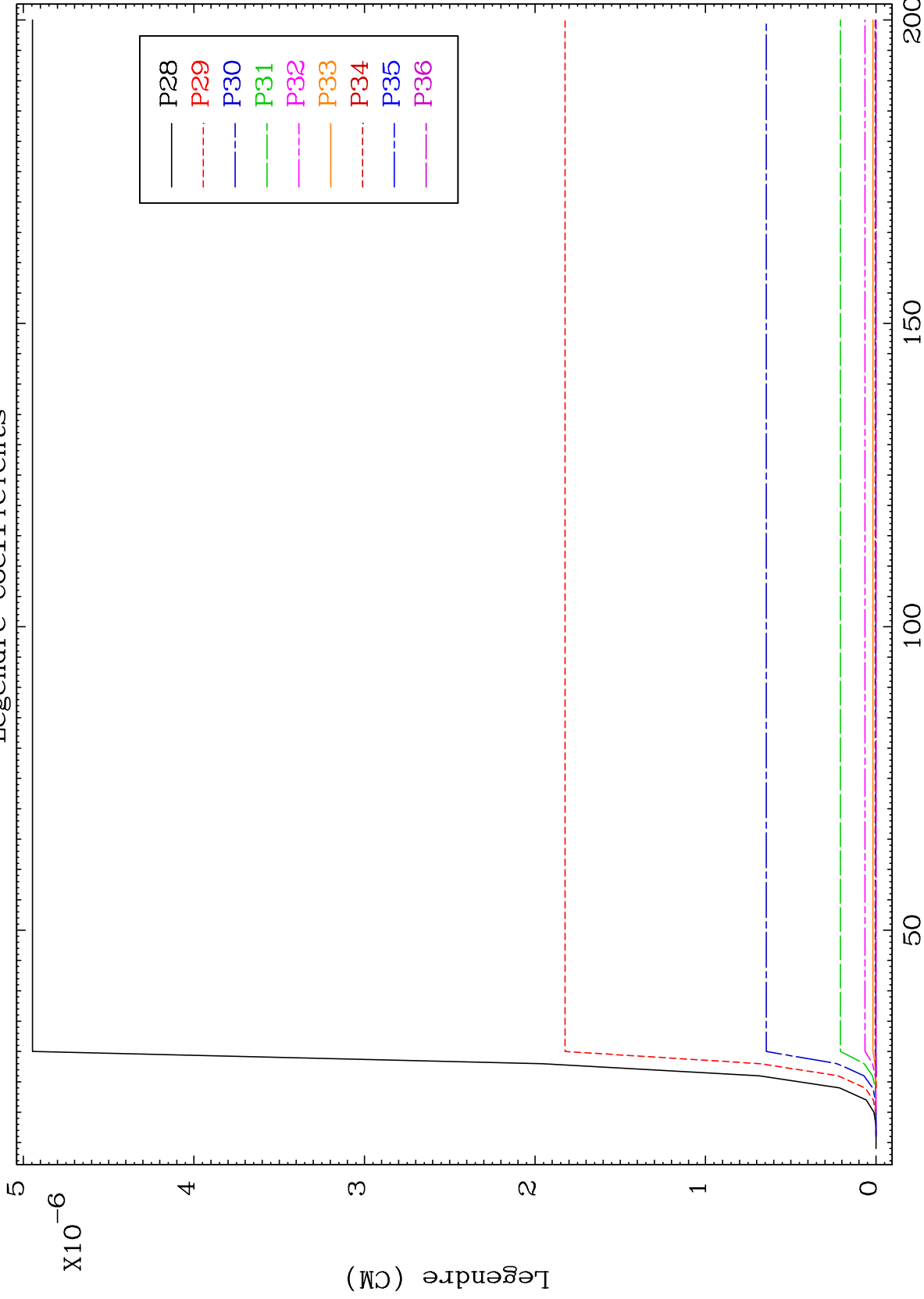
64-Gd-156



MAT 6437

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

64-Gd-156



68

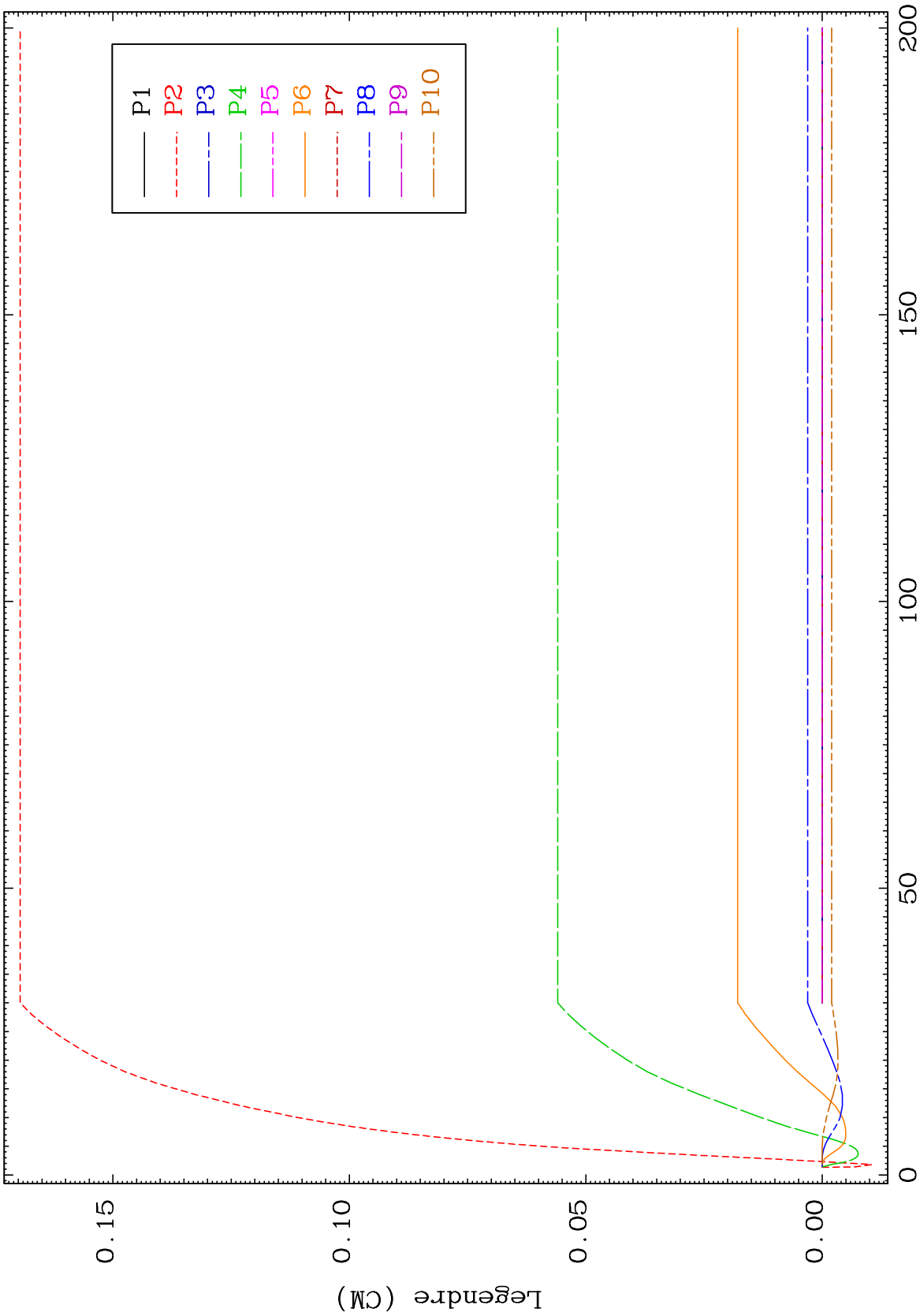
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



69

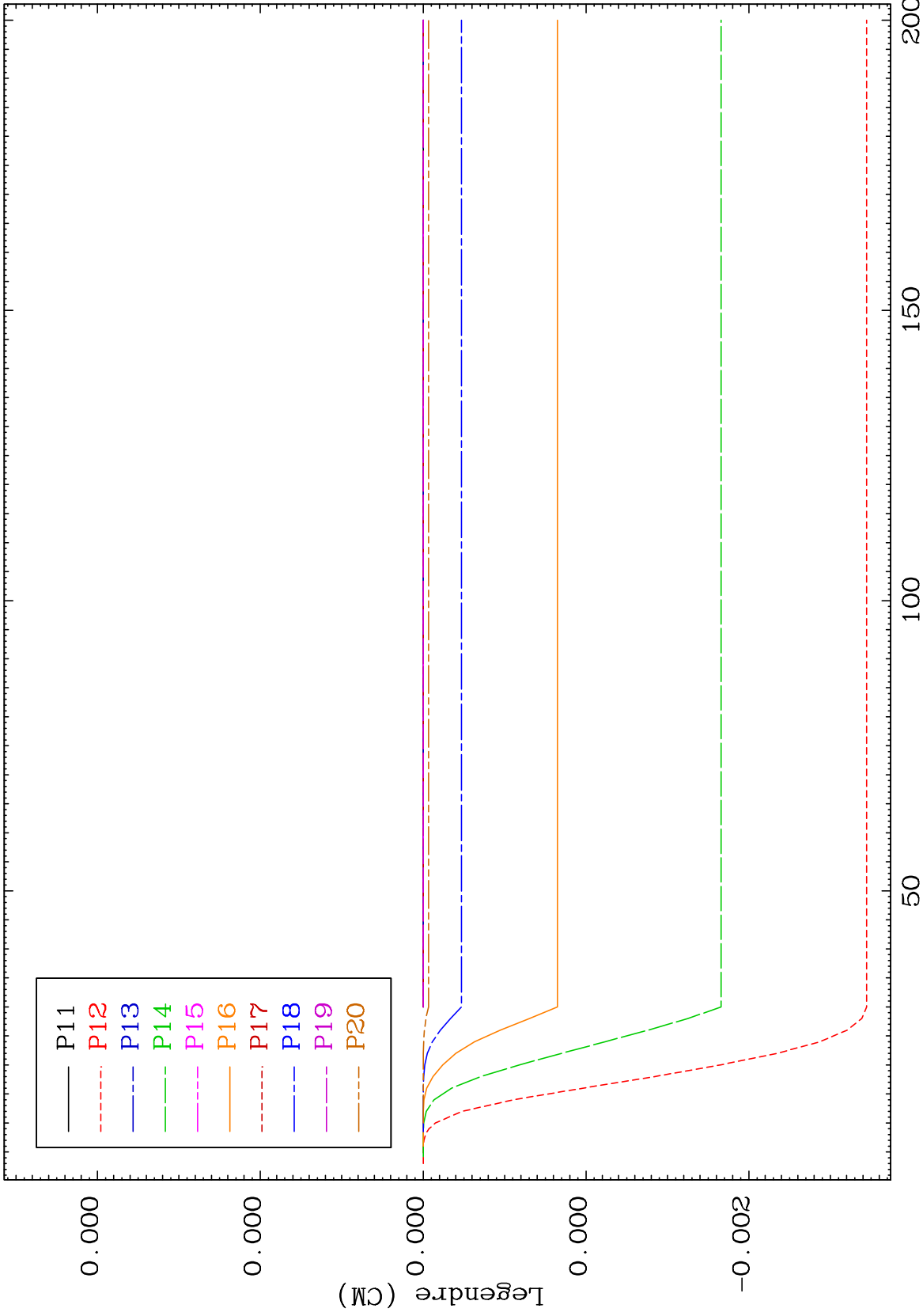
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



70

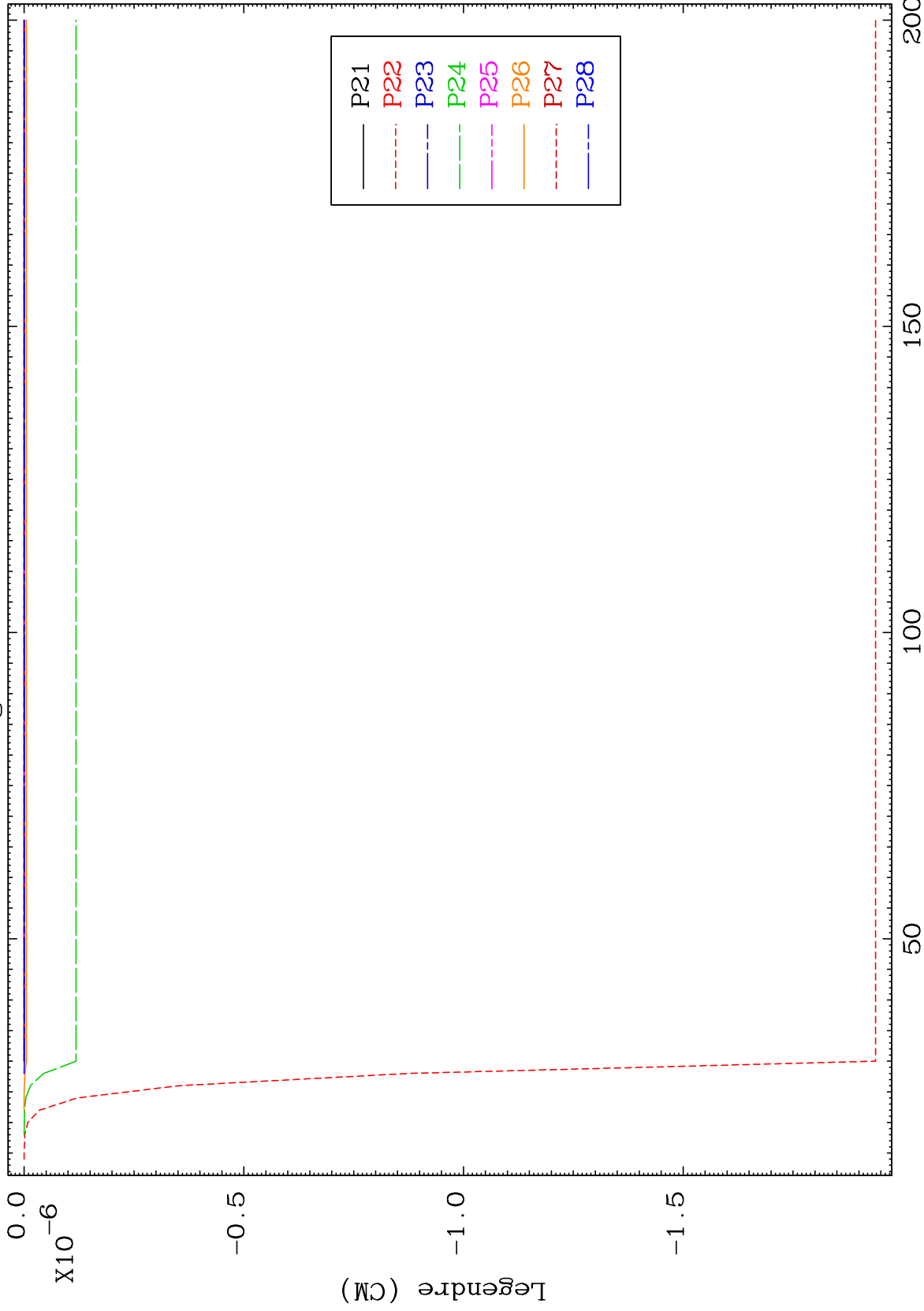
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



71

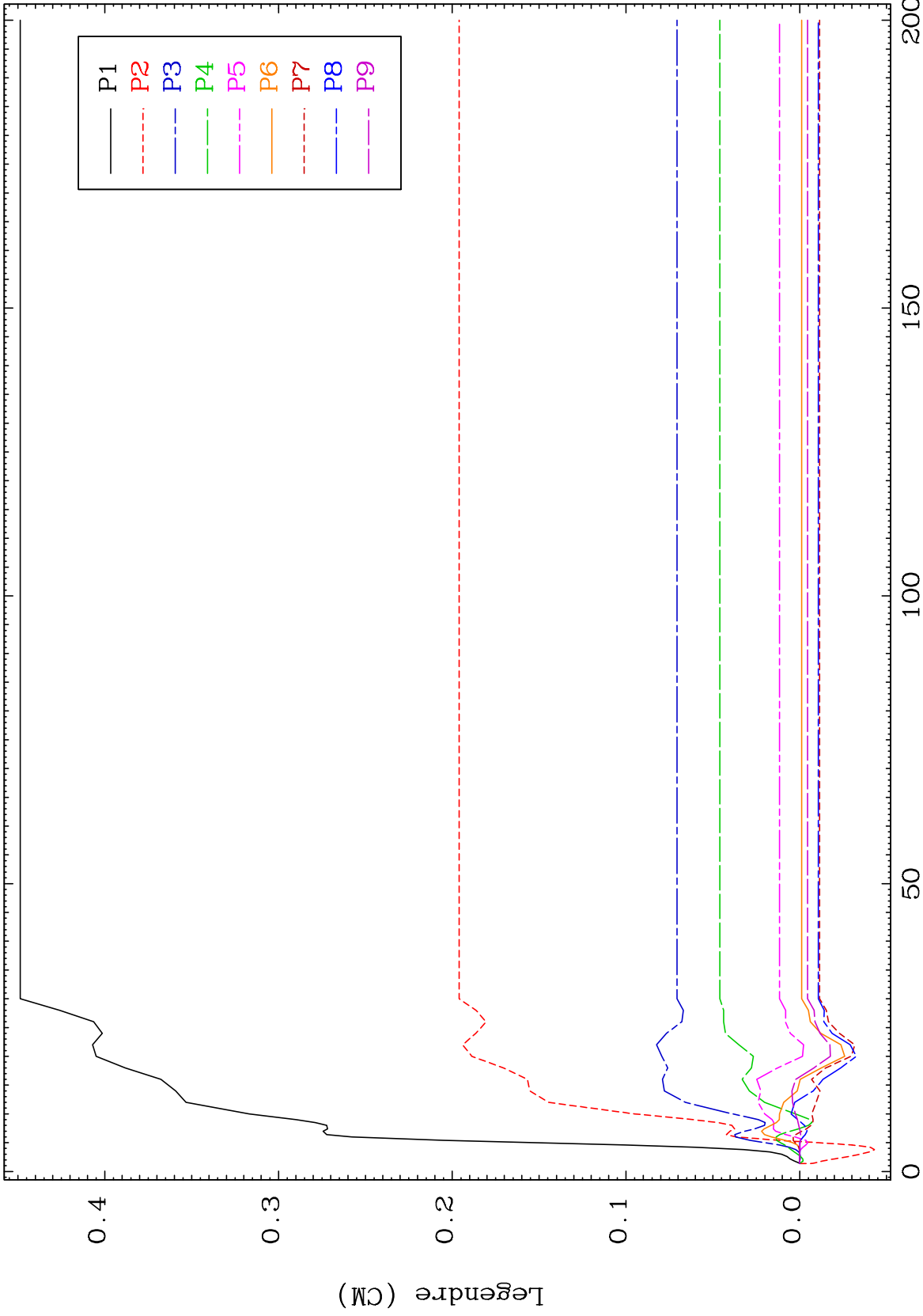
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



72

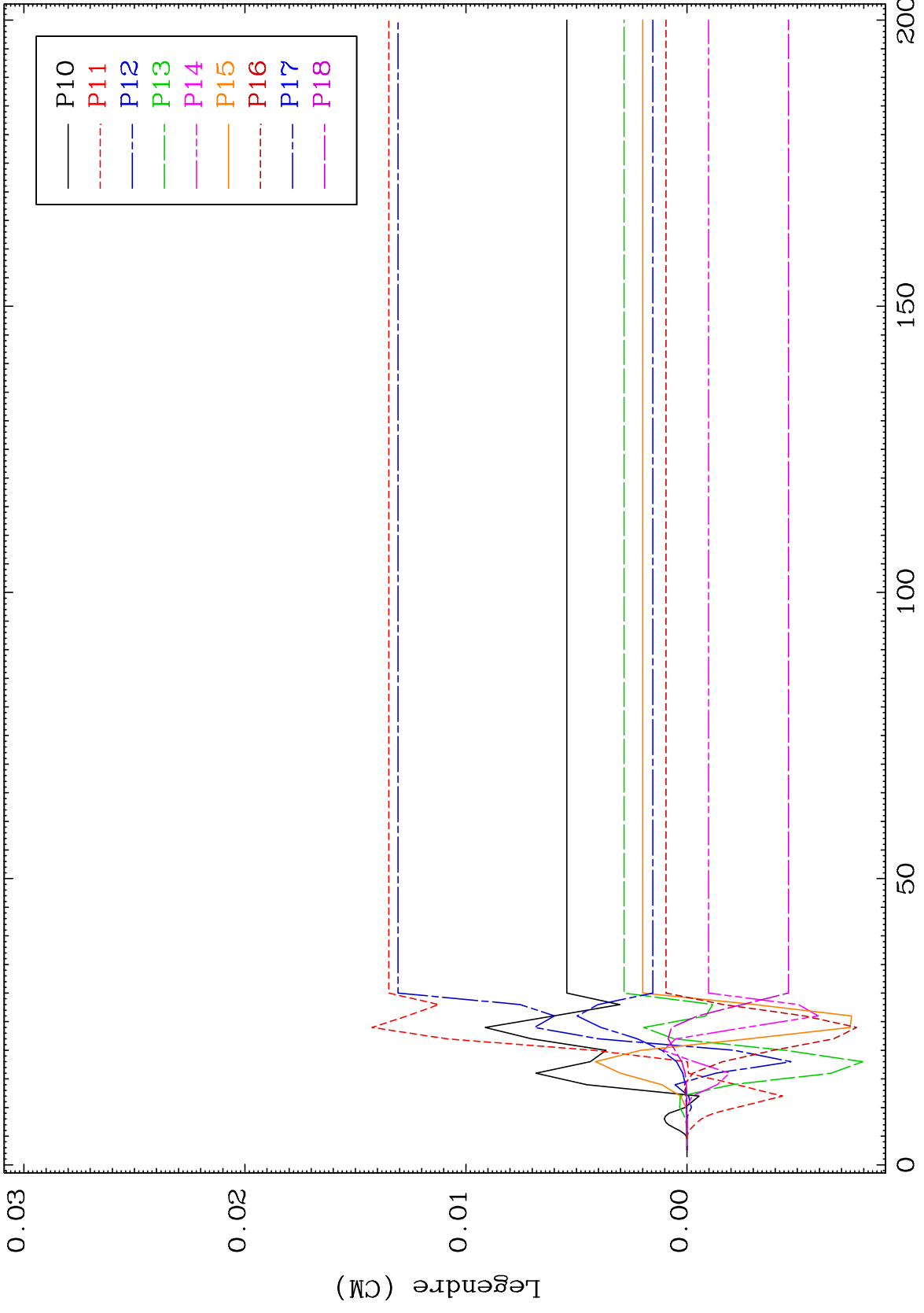
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



73

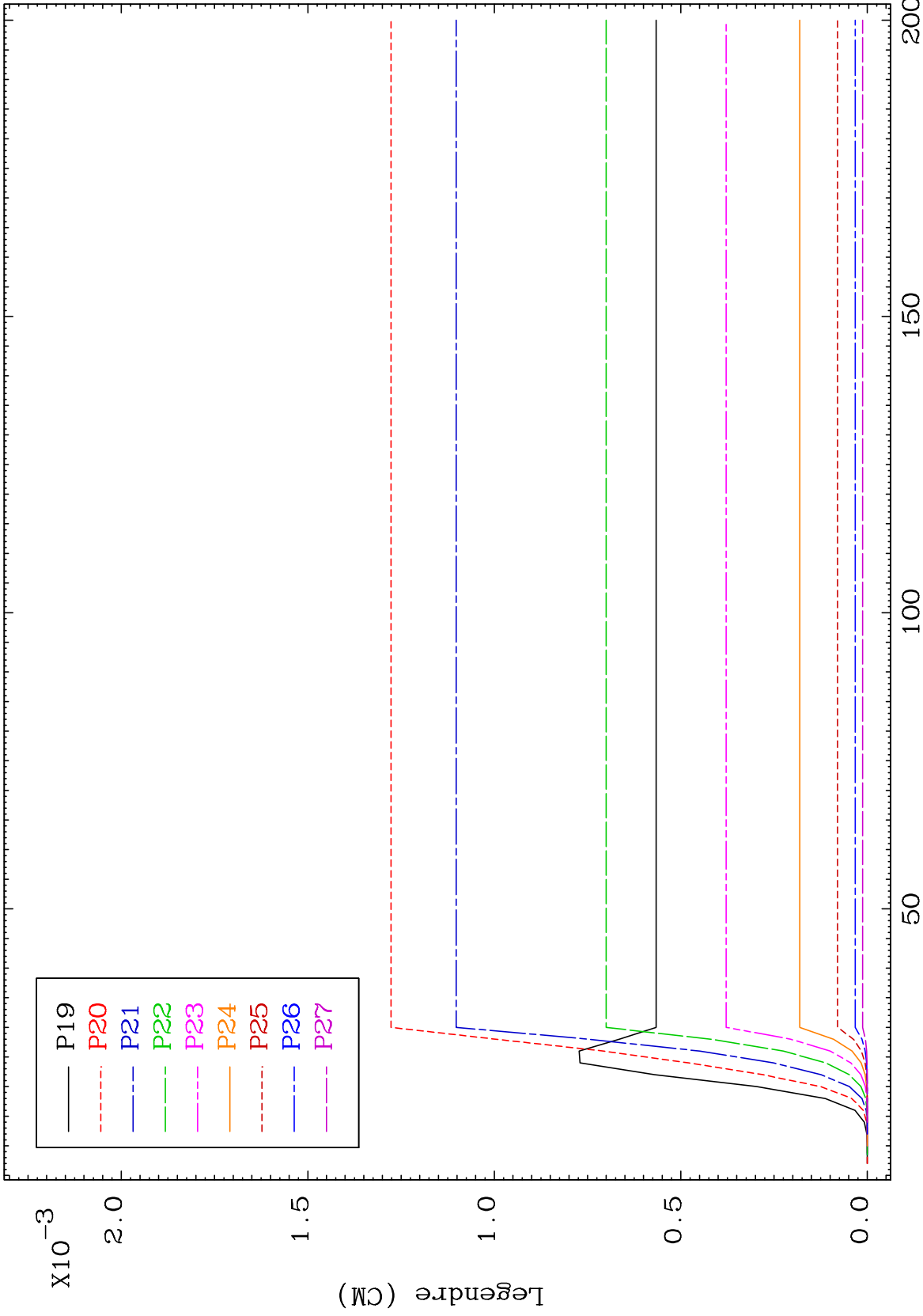
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



74

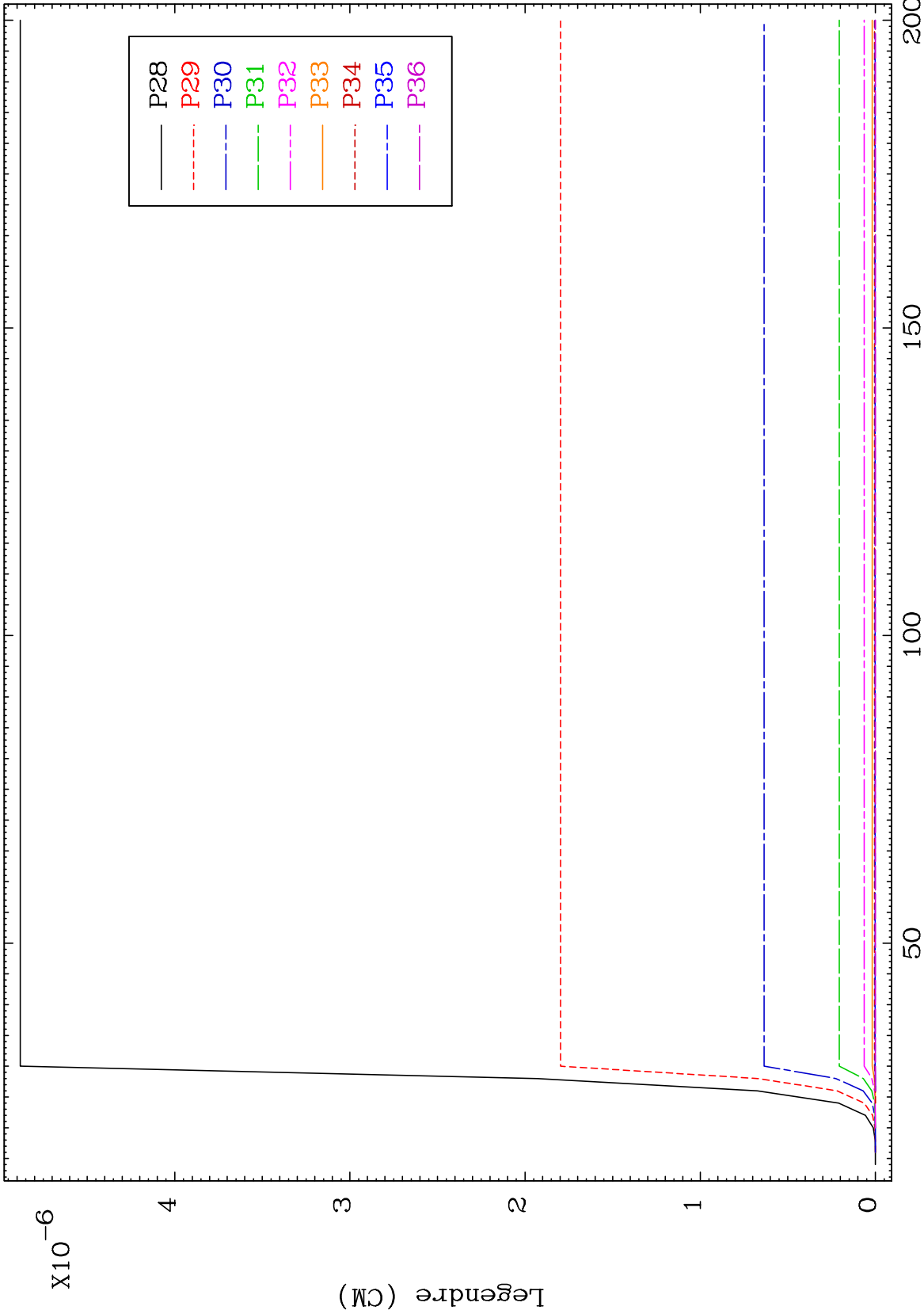
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



75

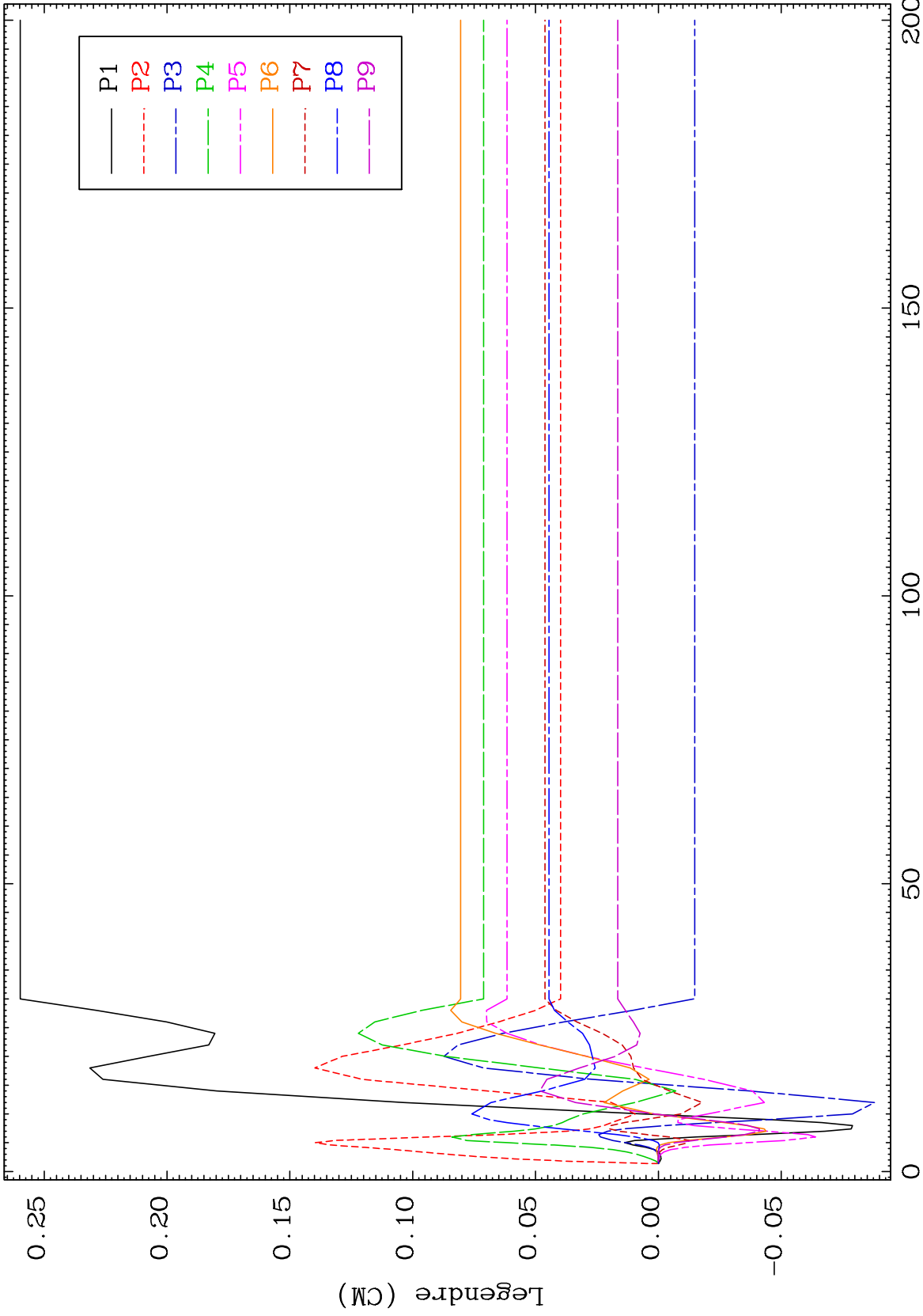
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



76

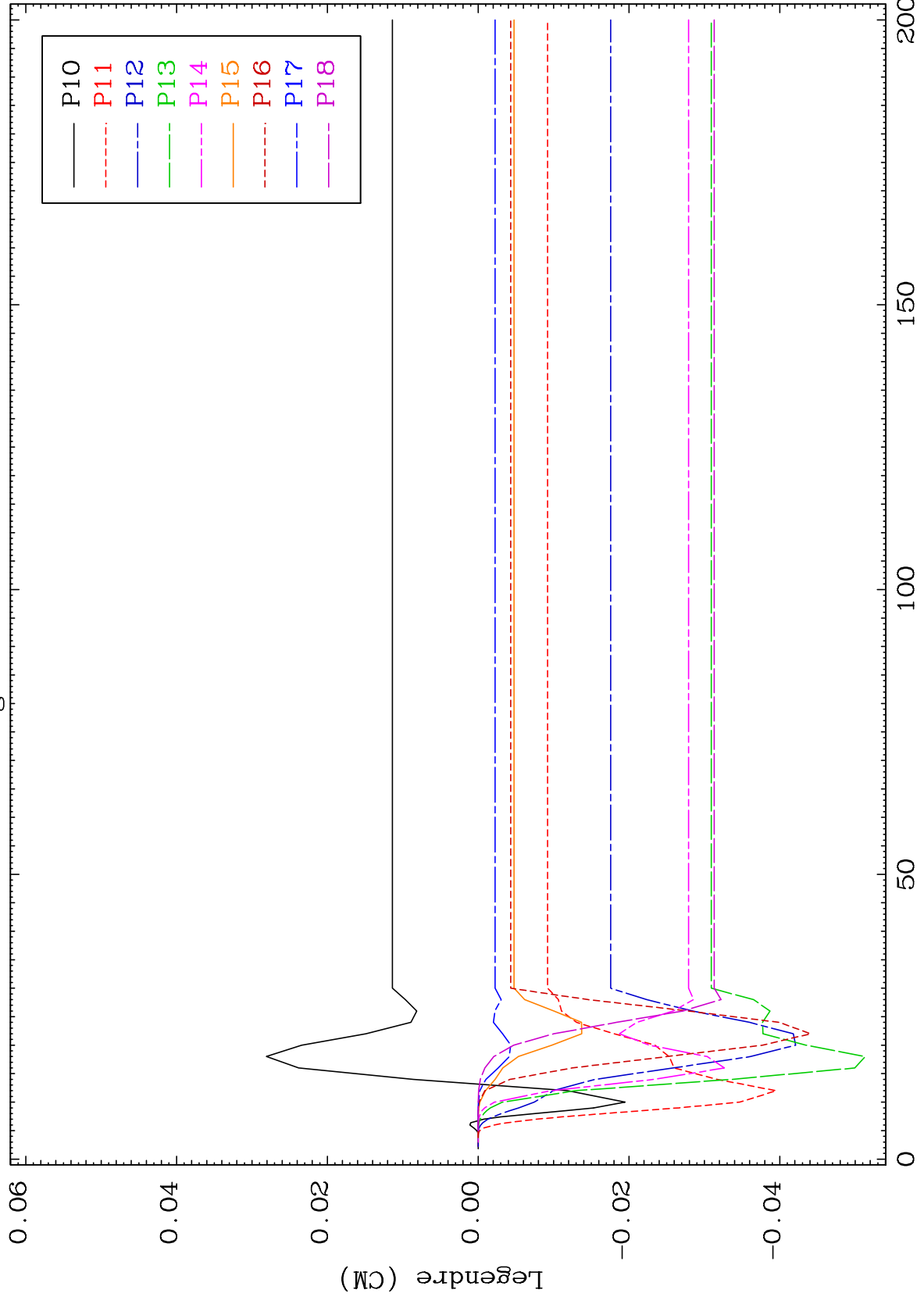
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



77

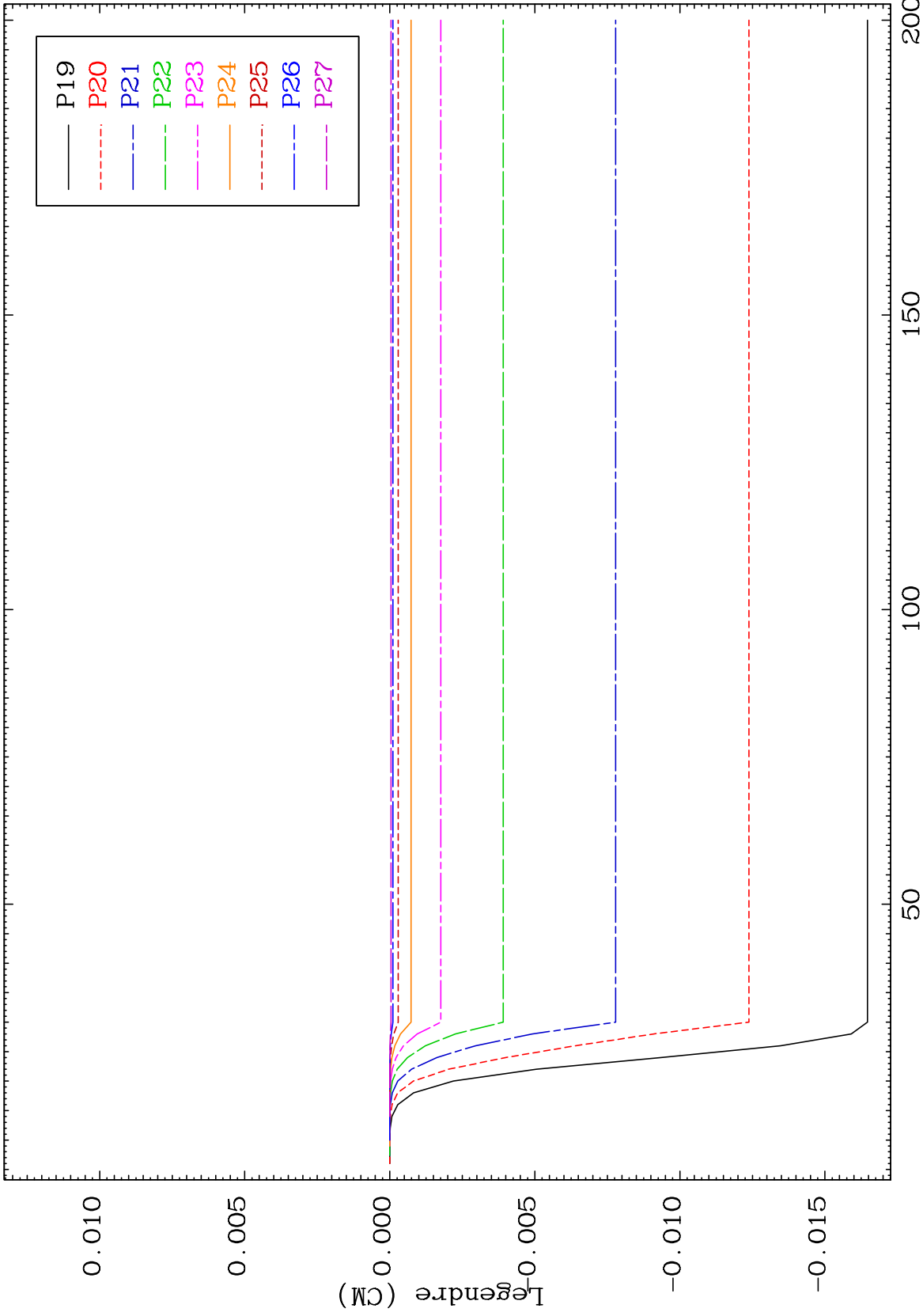
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



78

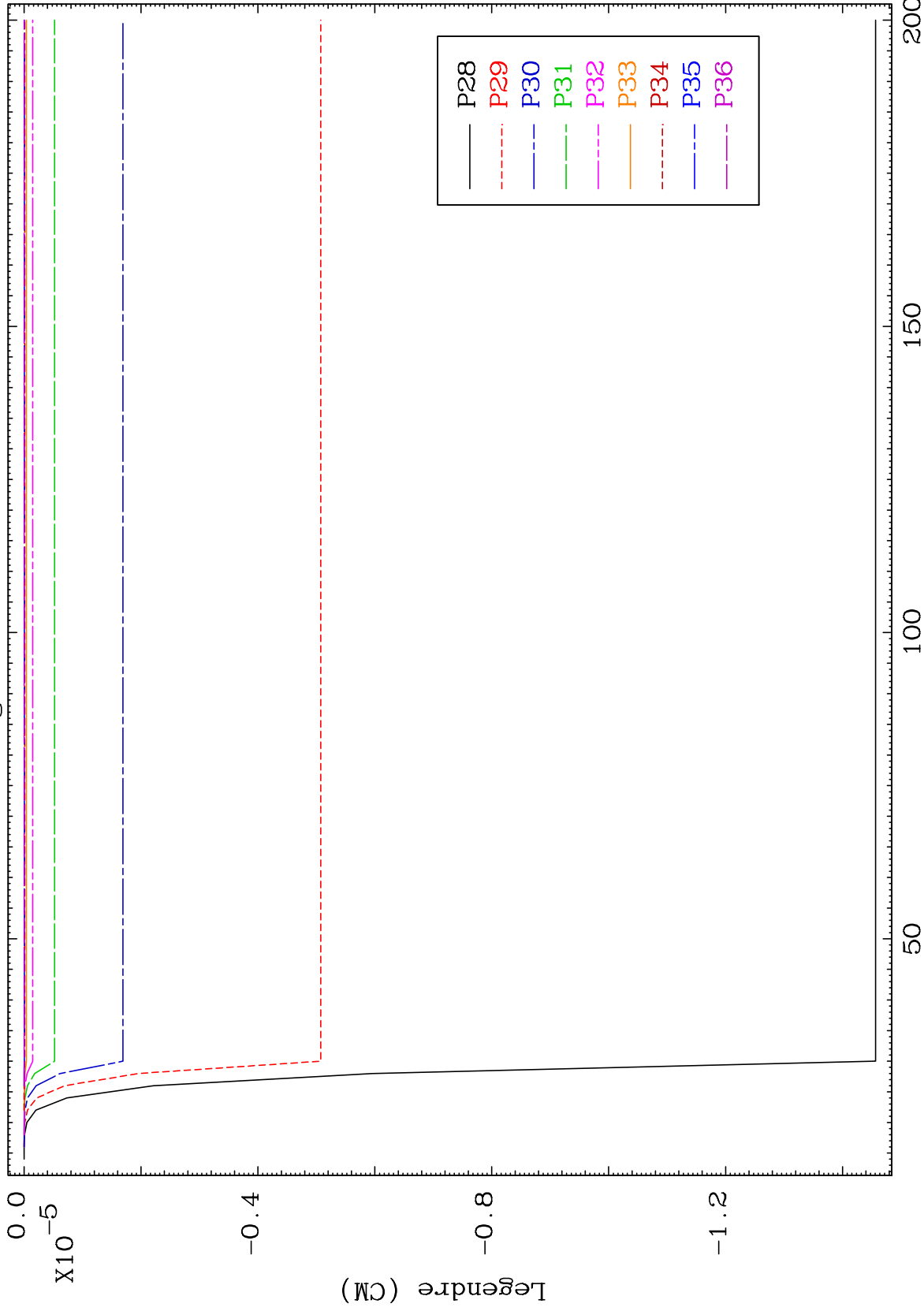
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



79

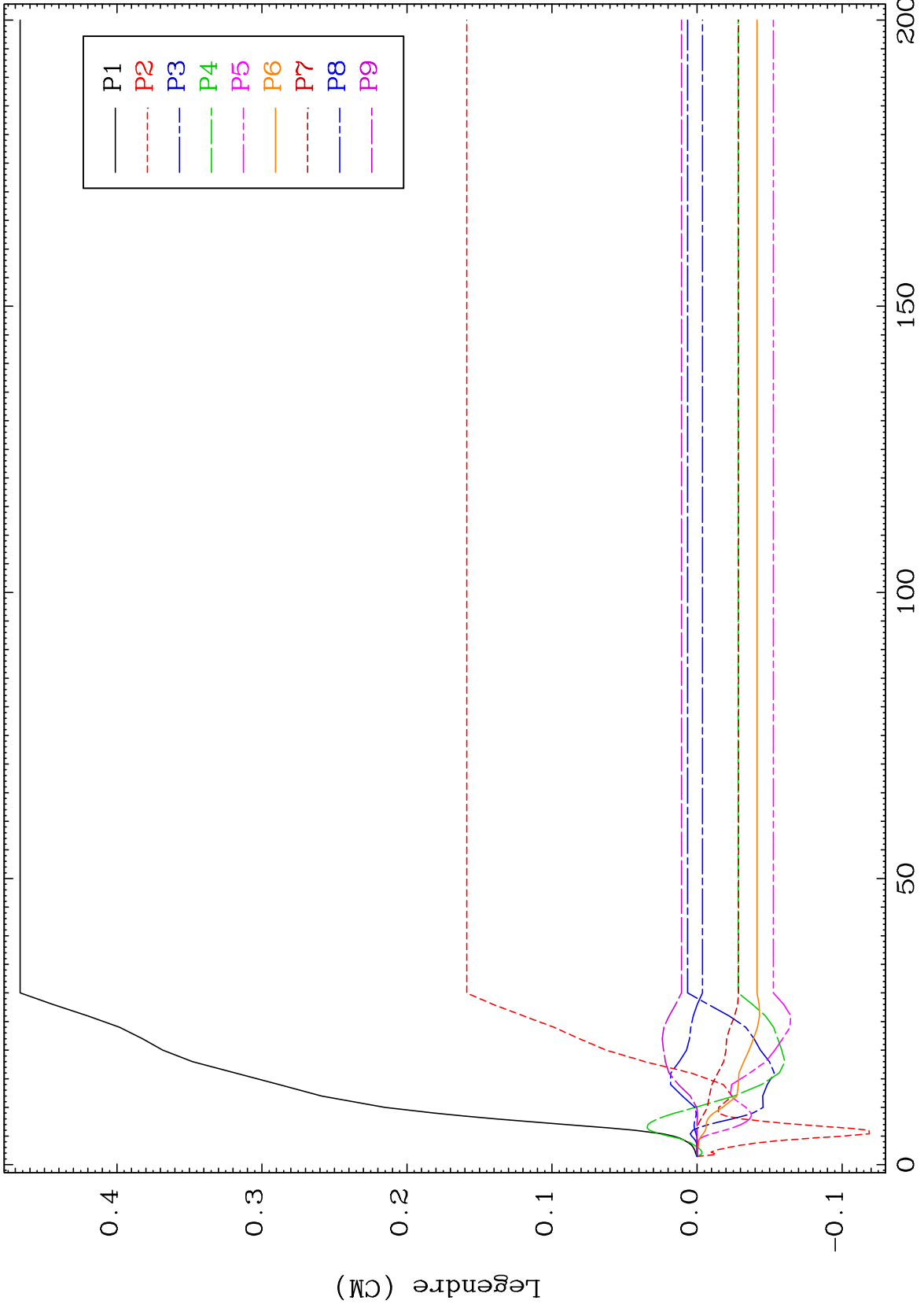
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

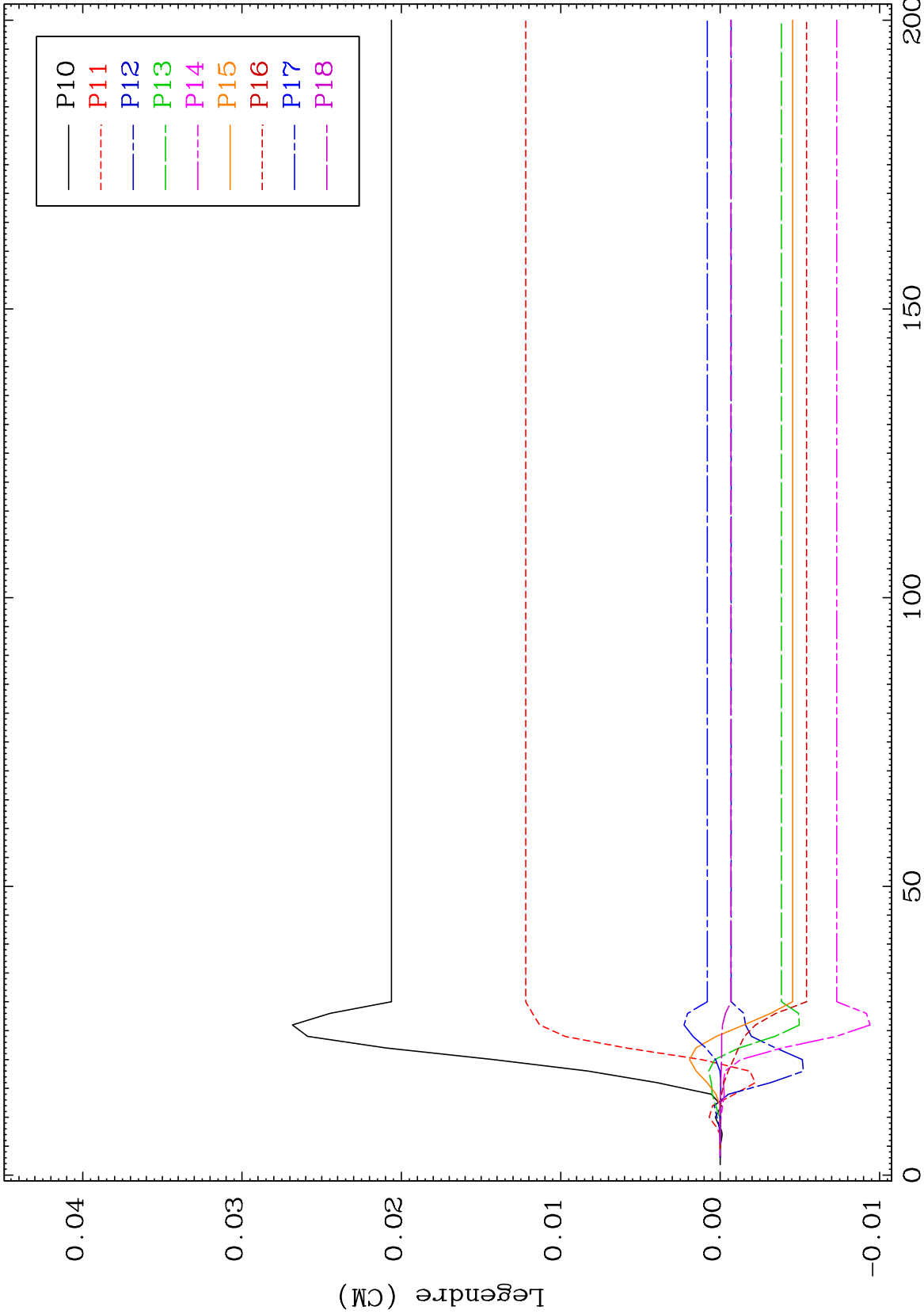
Incident Energy (MeV)

80

MAT 6437

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

64-Gd-156



81

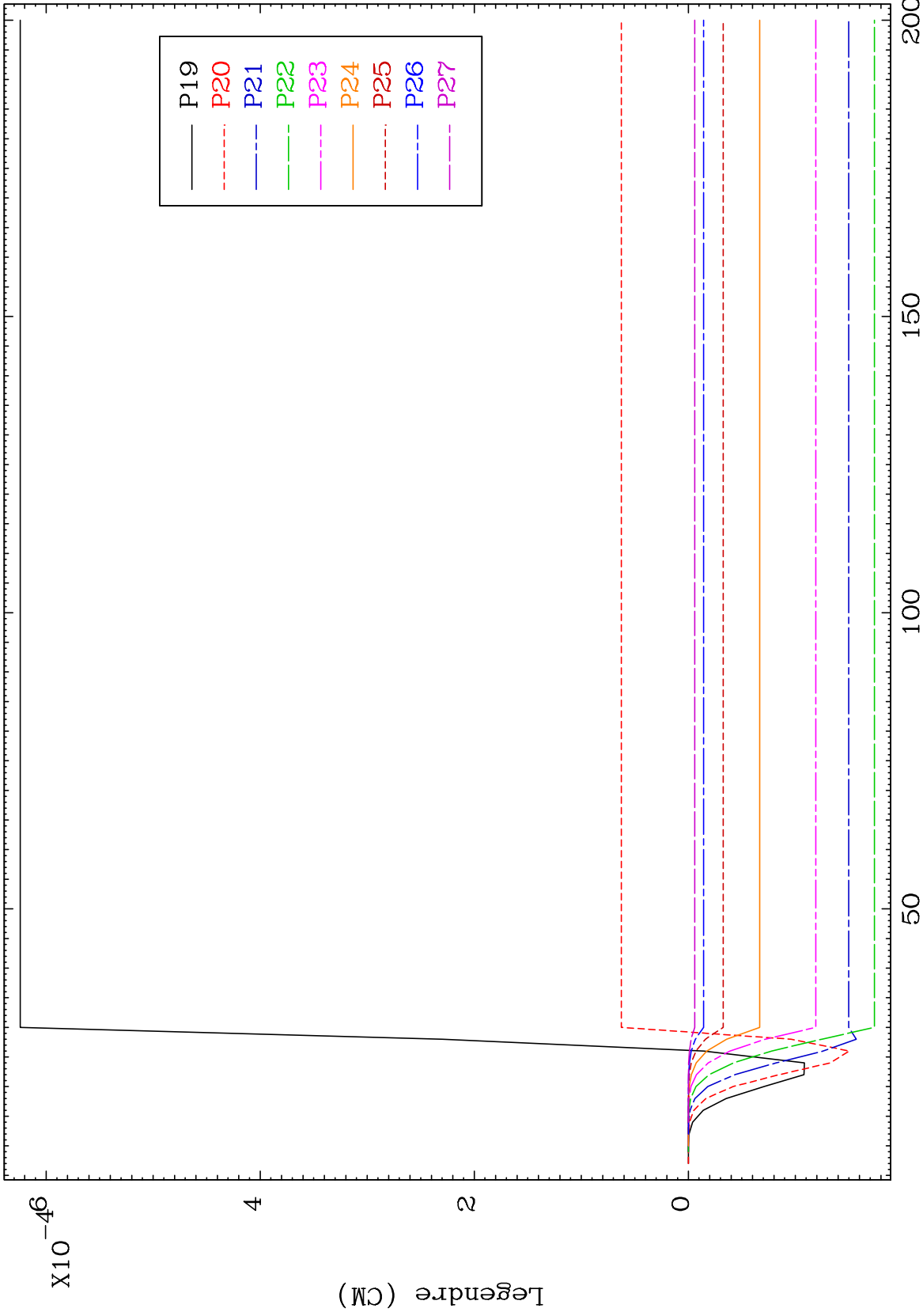
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



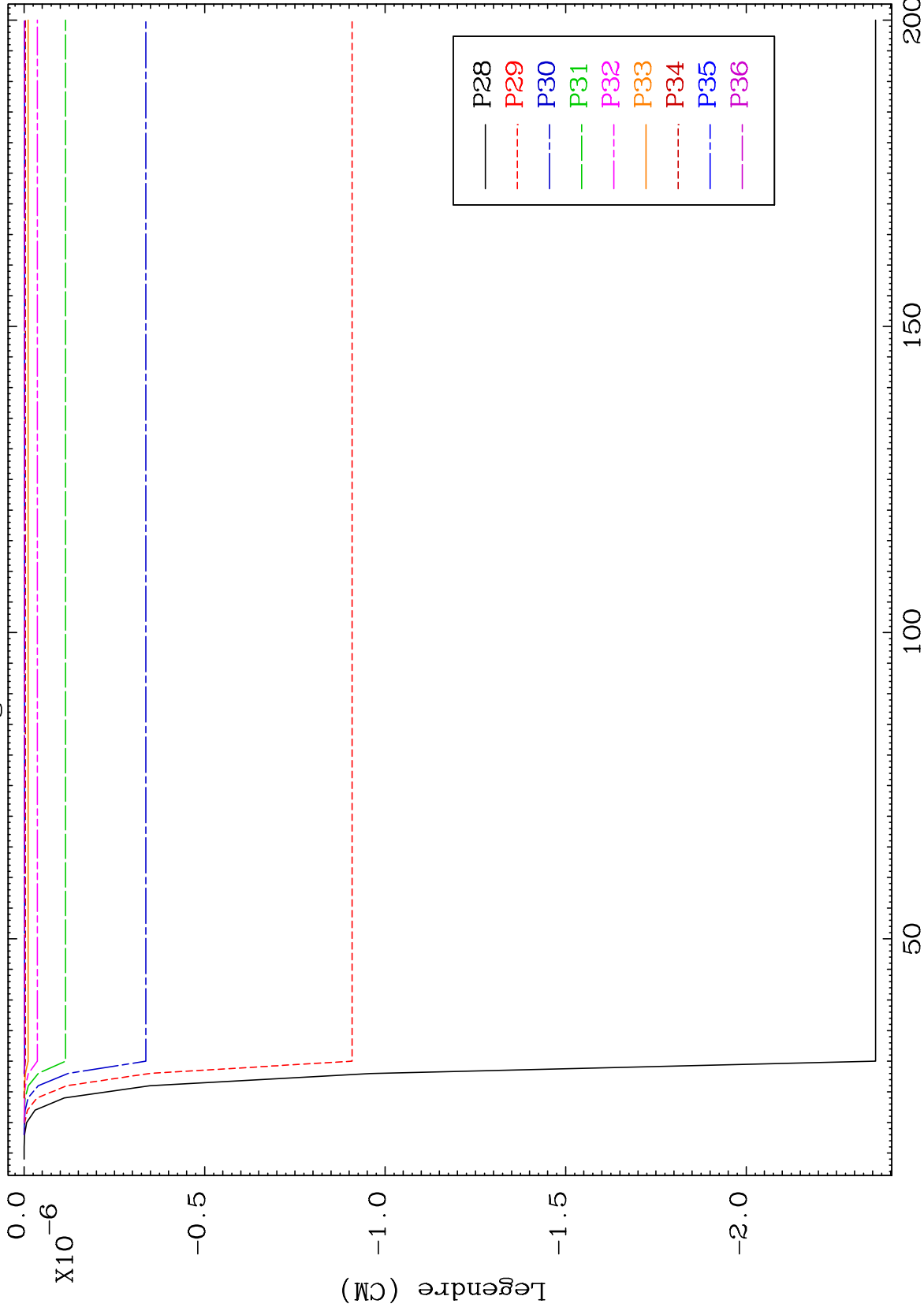
82

64-Gd-156

MAT 6437

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

64-Gd-156



83

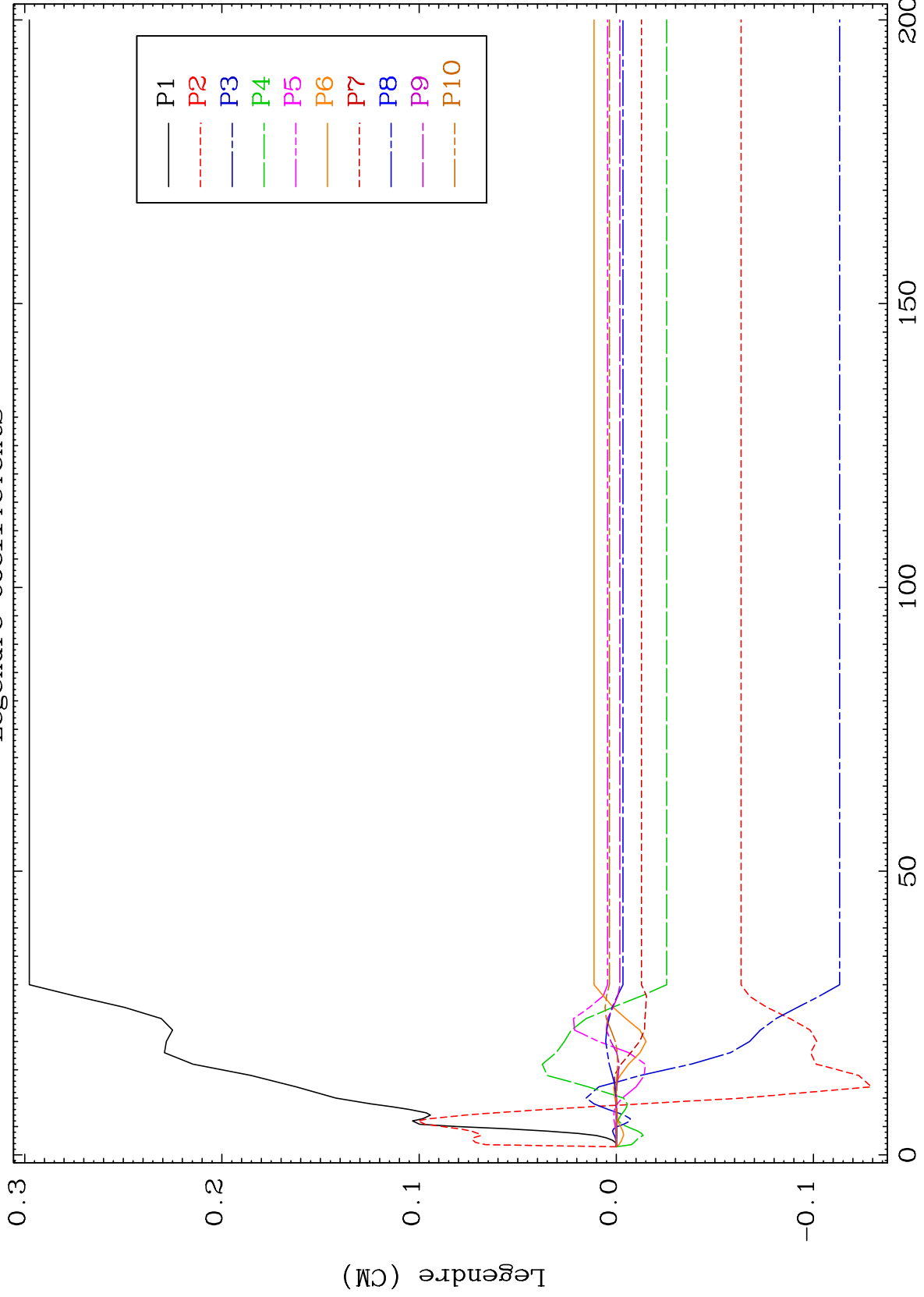
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



84

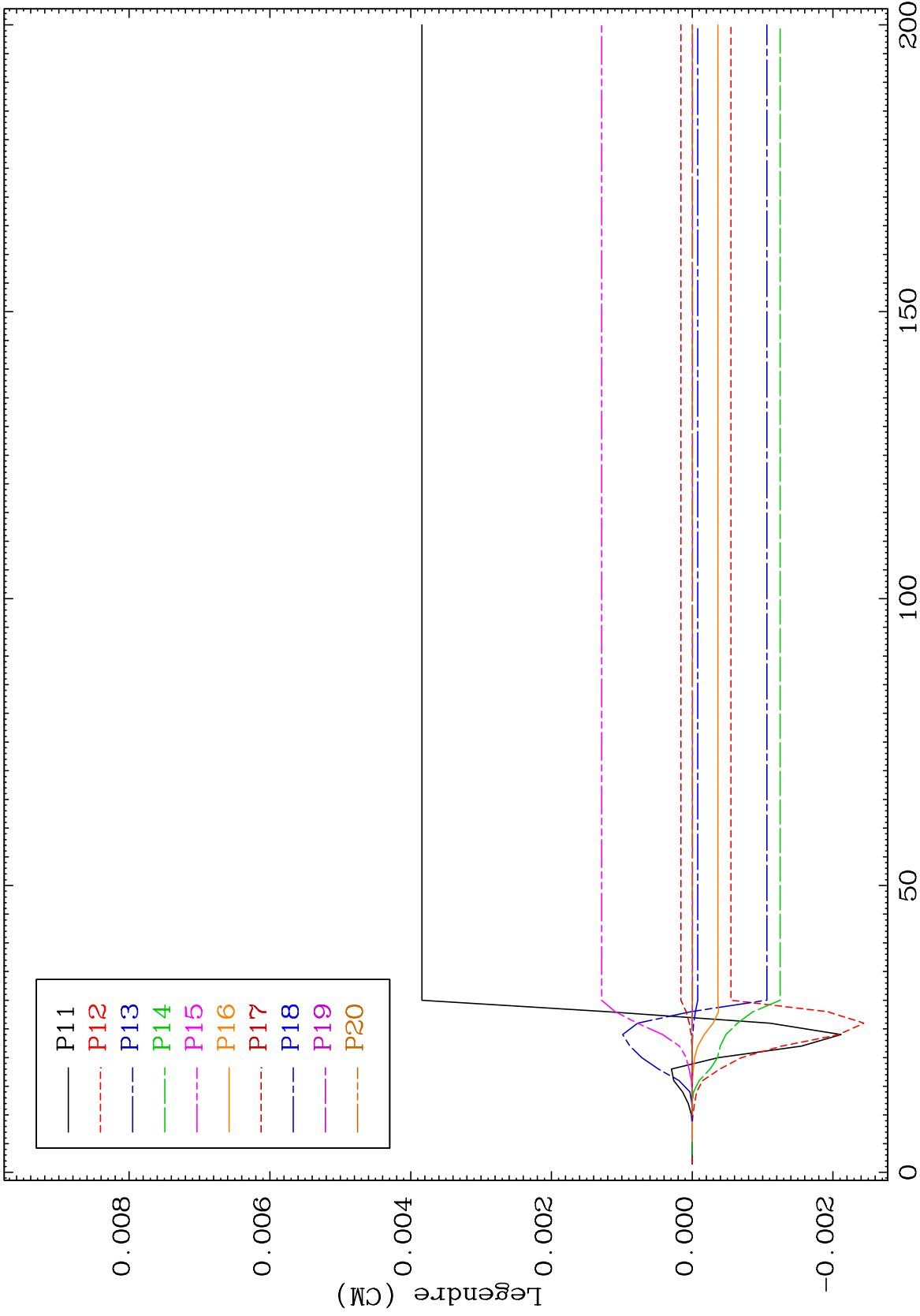
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

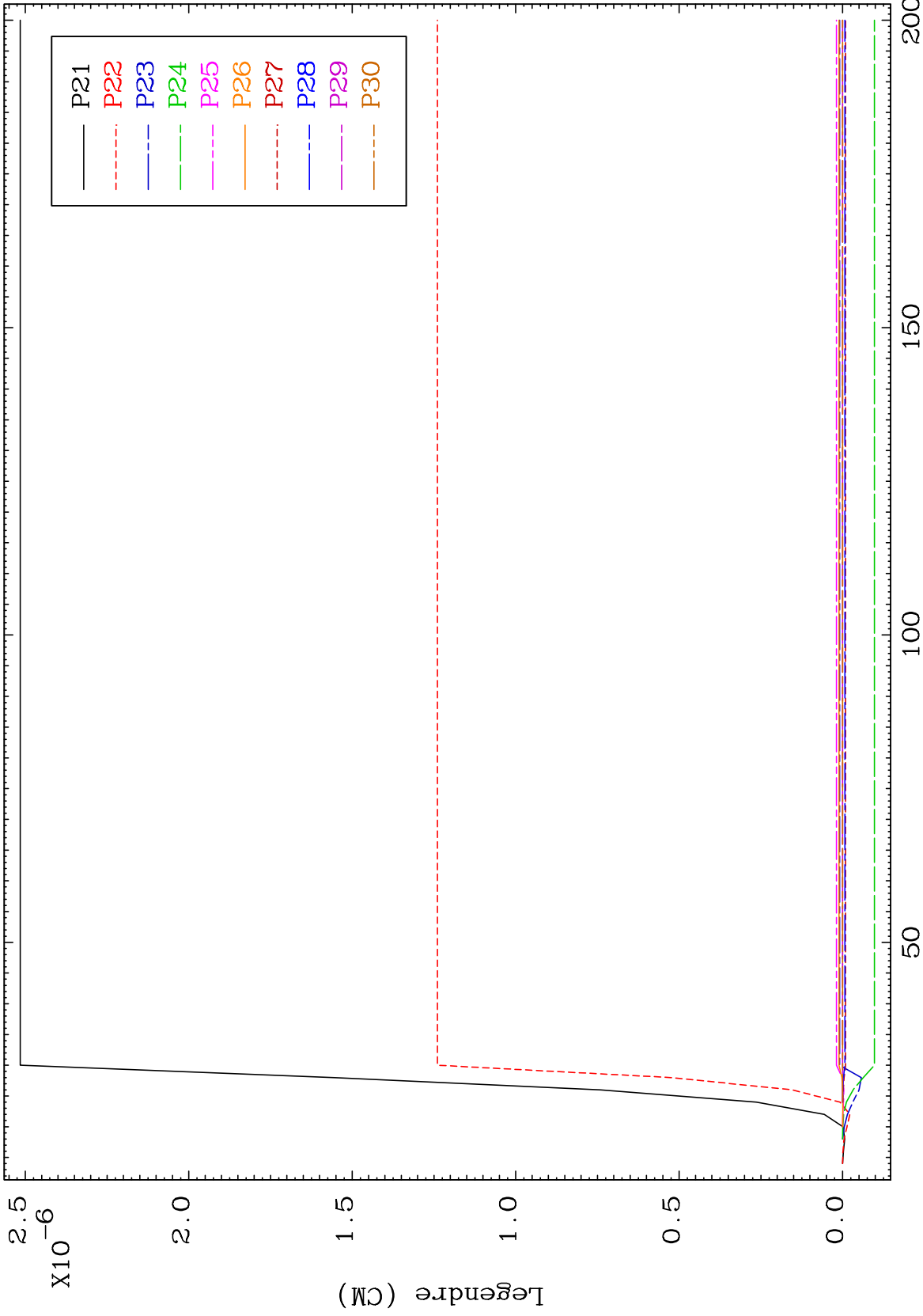
64-Gd-156



85

Incident Energy (MeV)

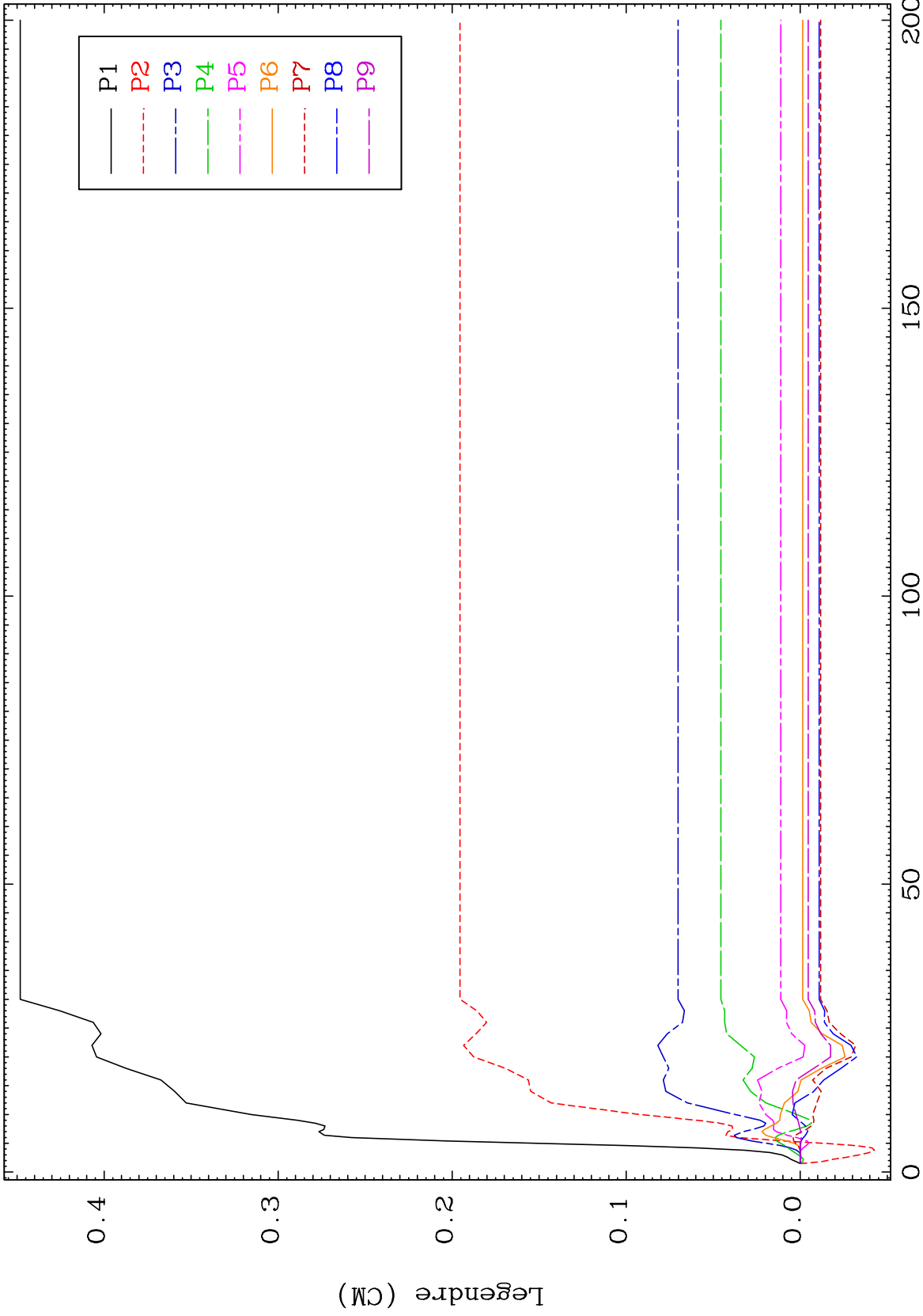
64-Gd-156



MAT 6437

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

64-Gd-156



87

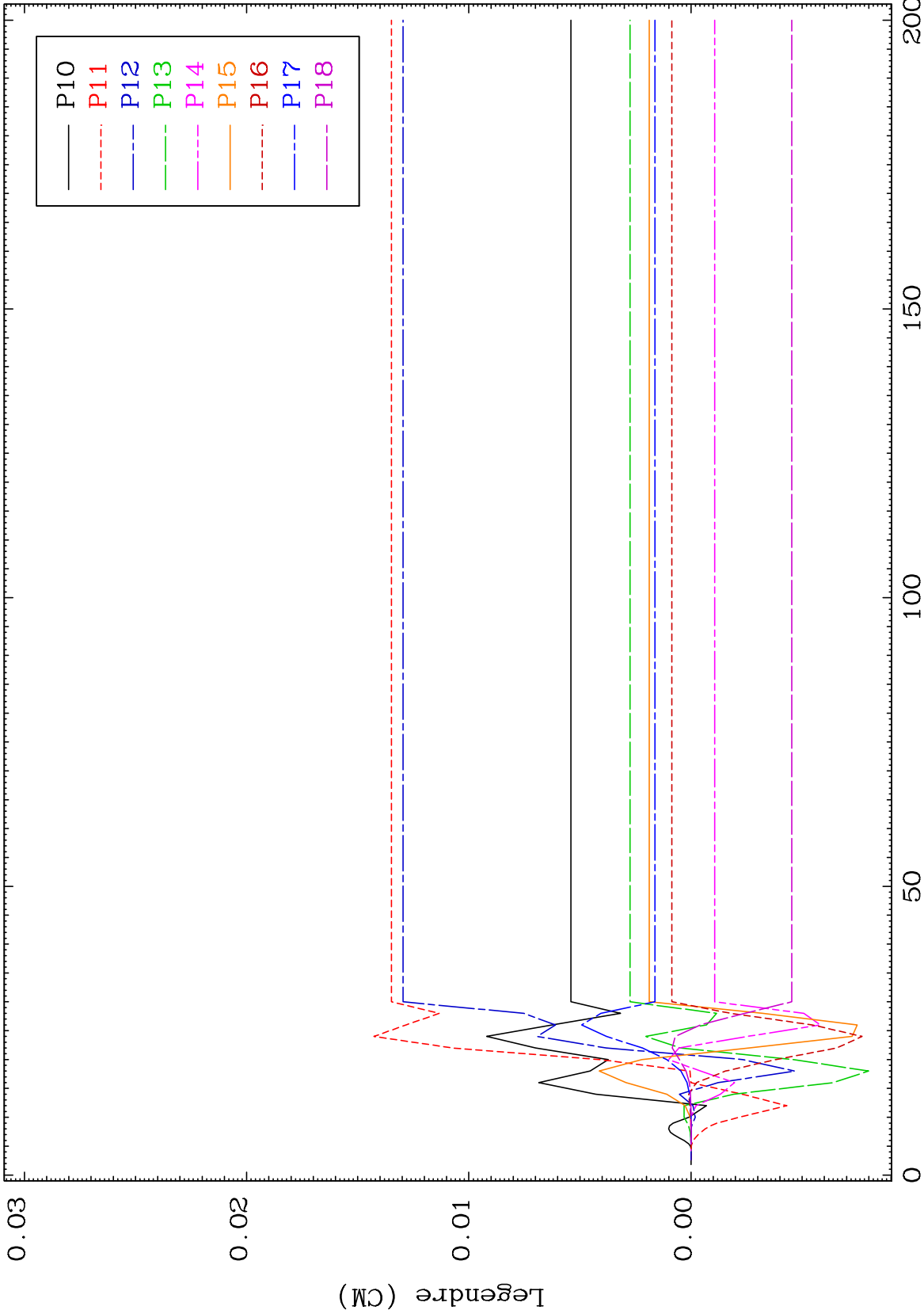
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

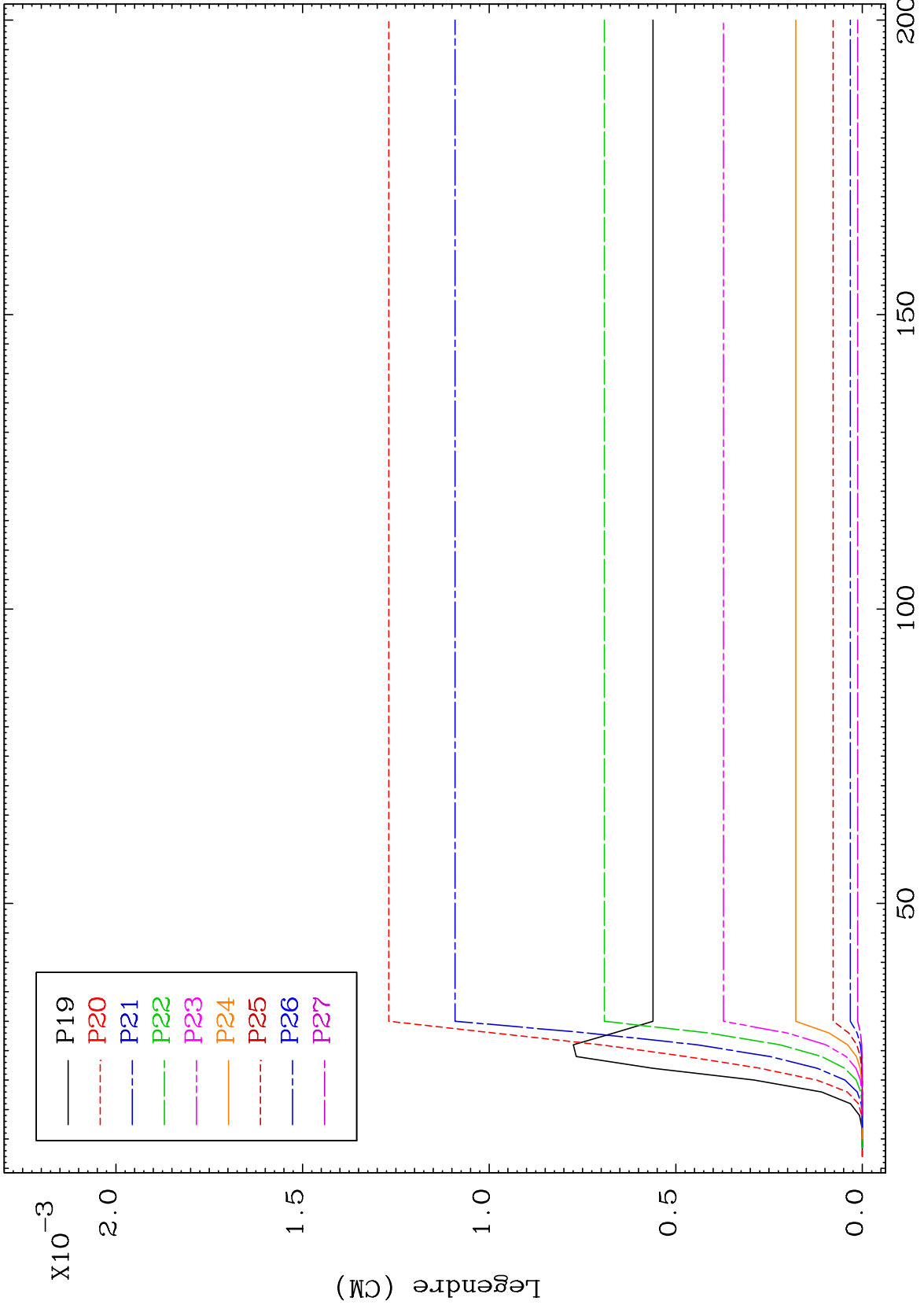
64-Gd-156



88

Incident Energy (MeV)

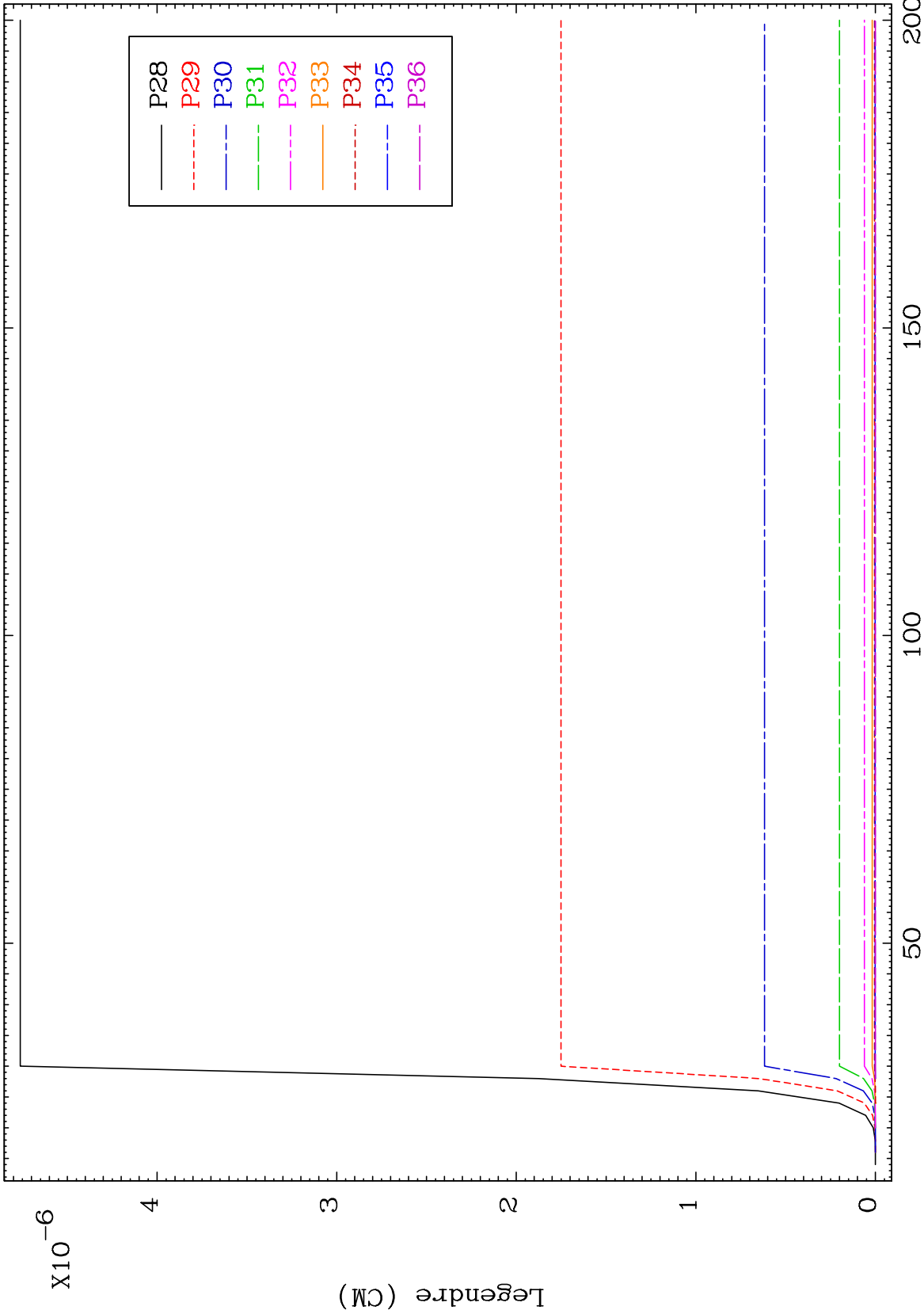
64-Gd-156



MAT 6437

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

64-Gd-156



90

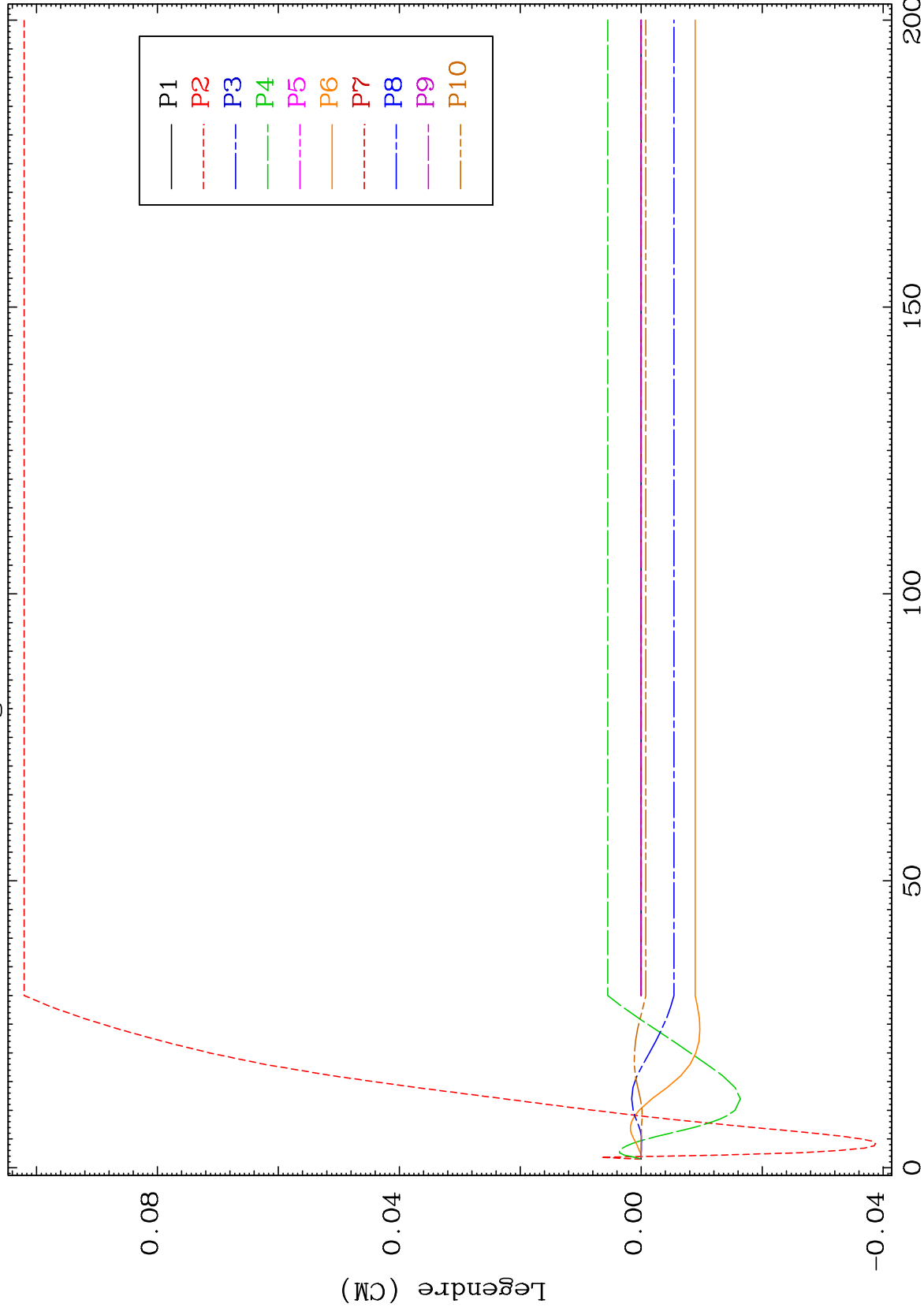
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



91

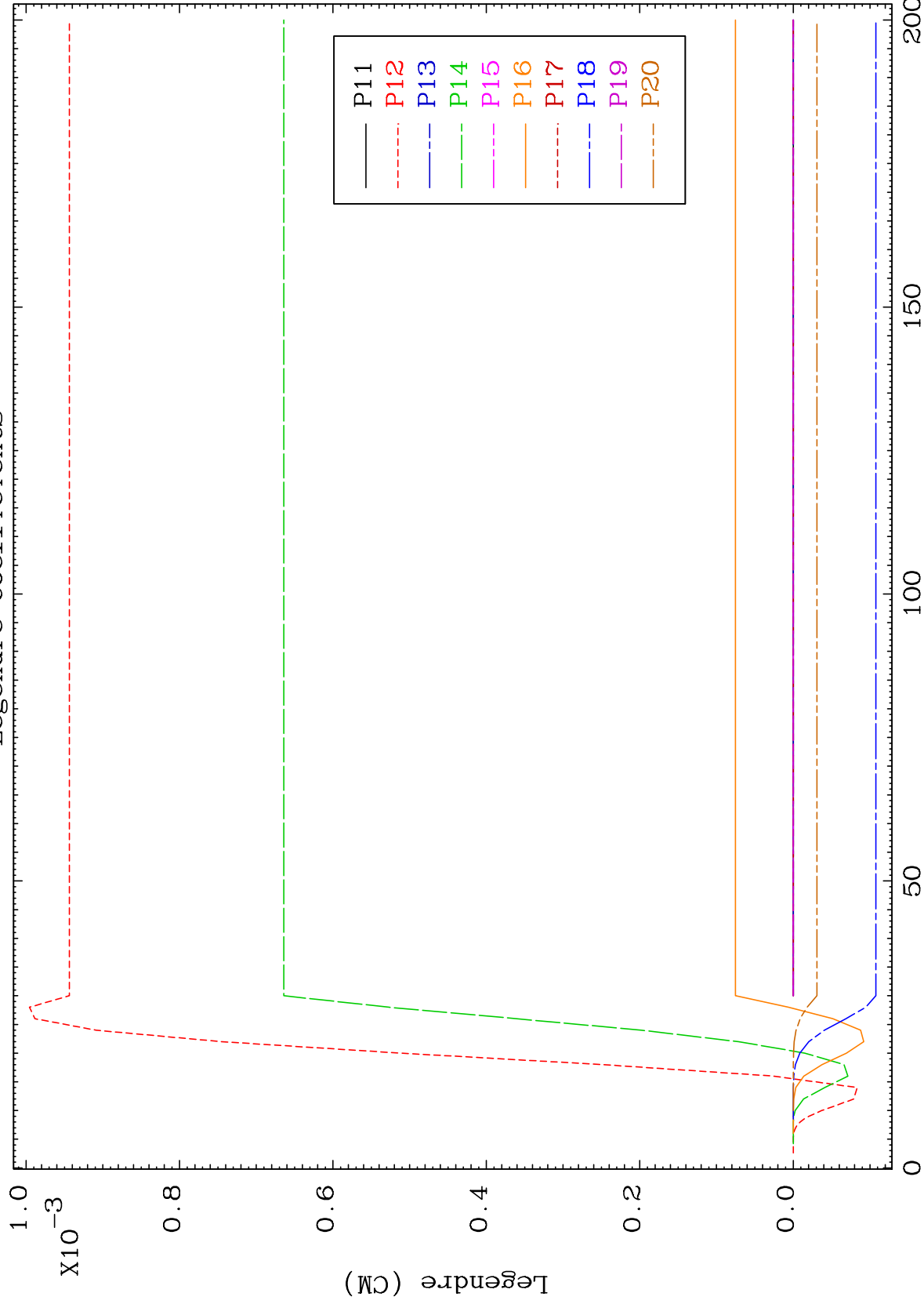
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



92

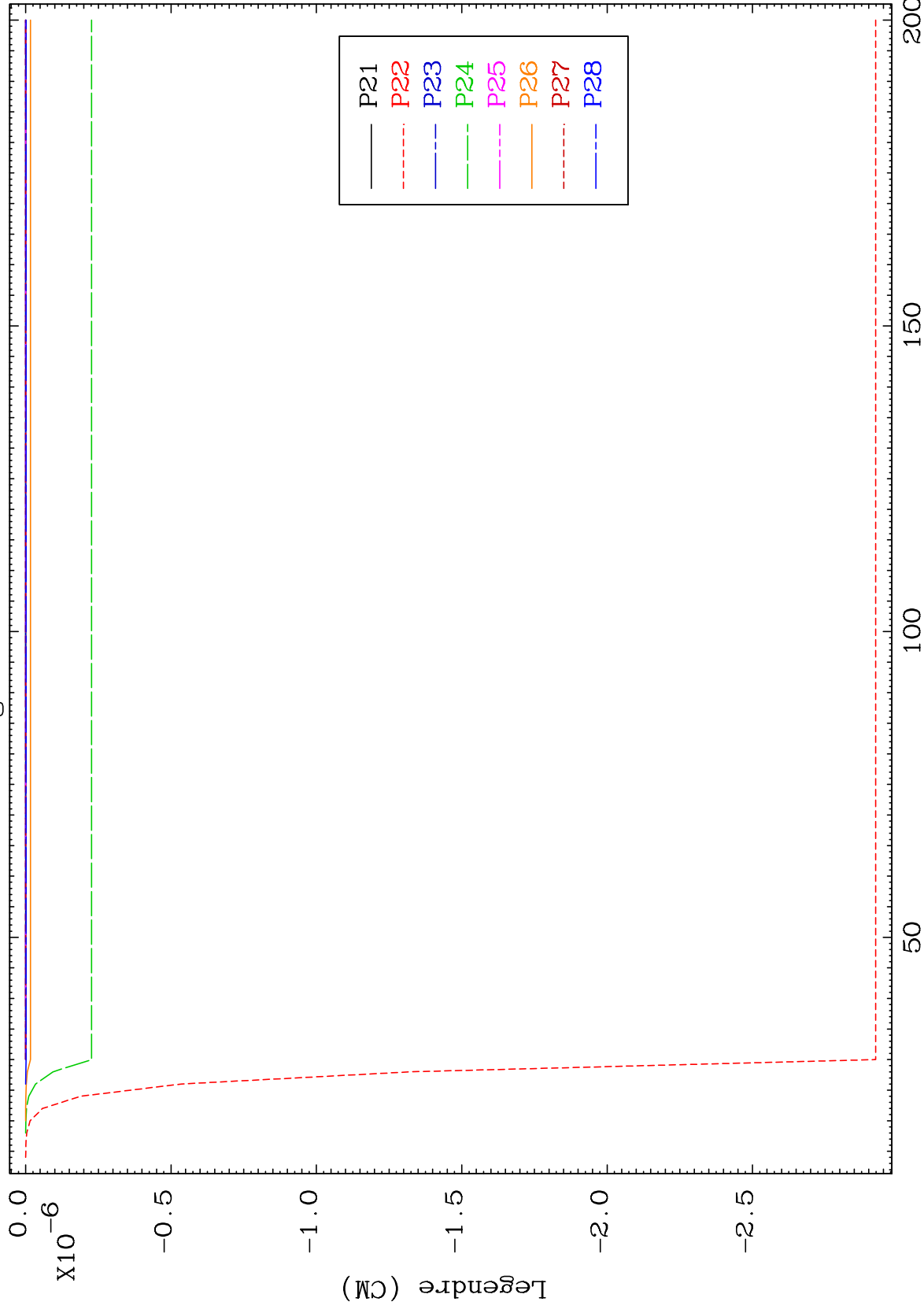
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



93

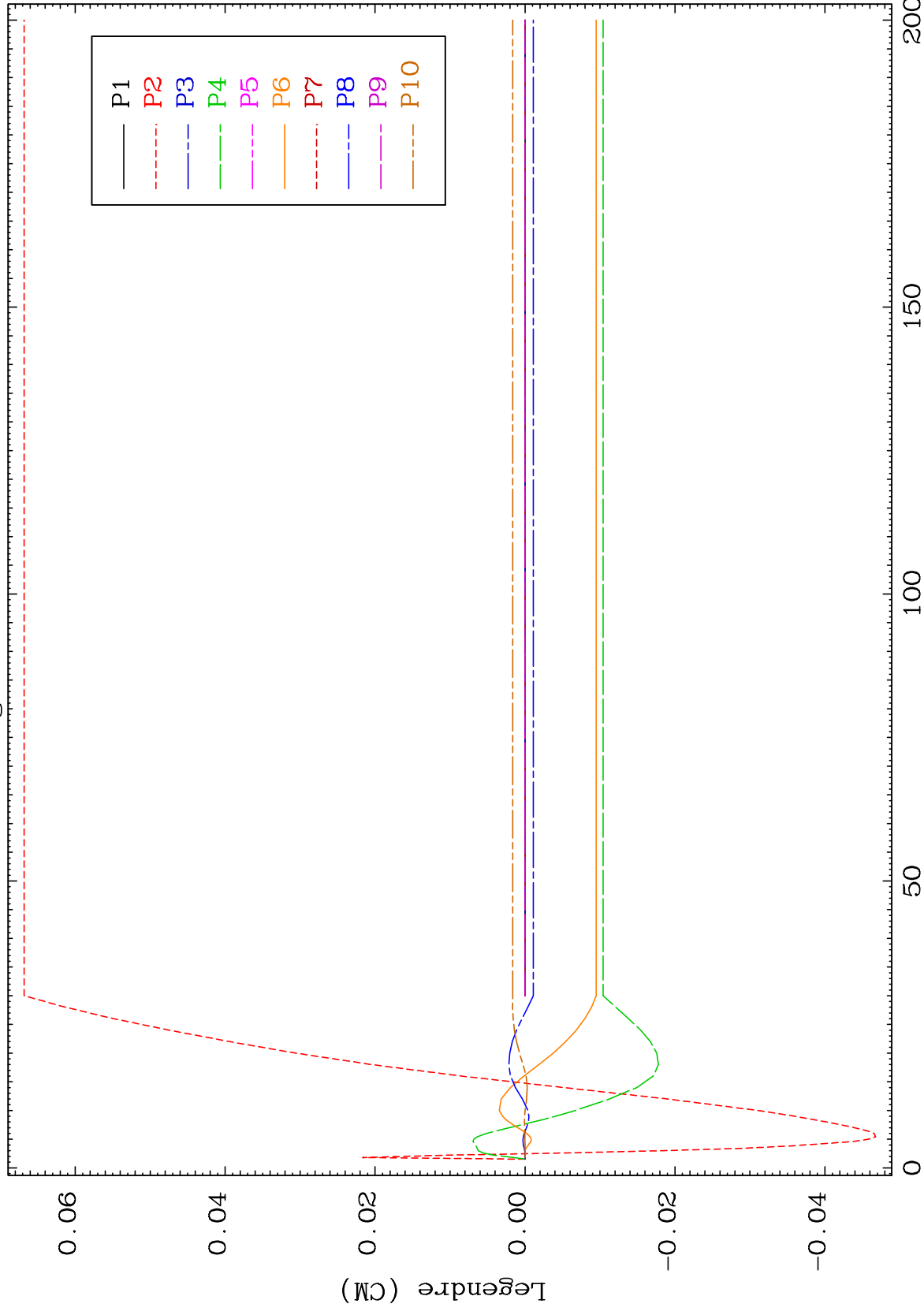
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



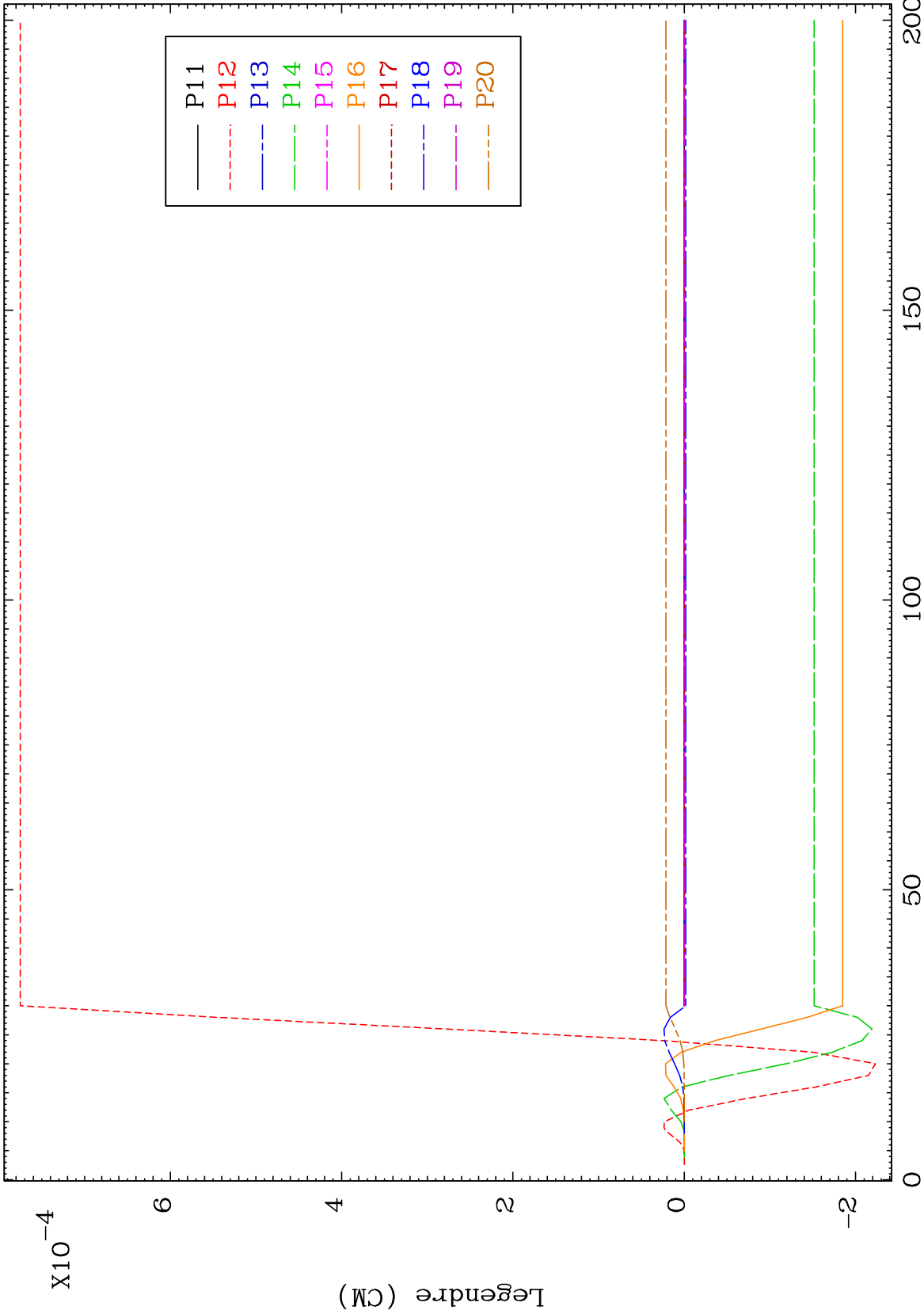
94

64-Gd-156

MAT 6437

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

64-Gd-156



95

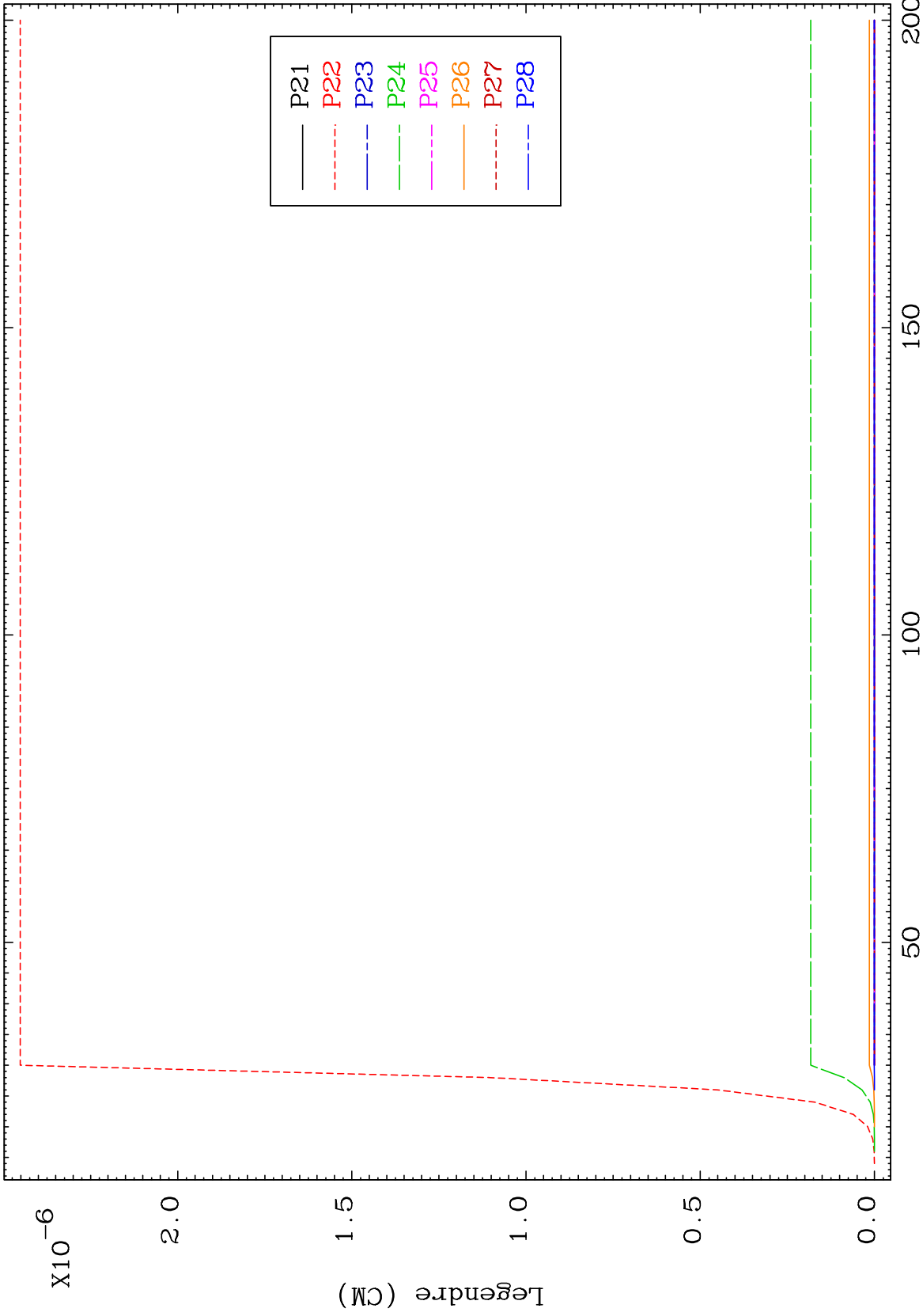
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



96

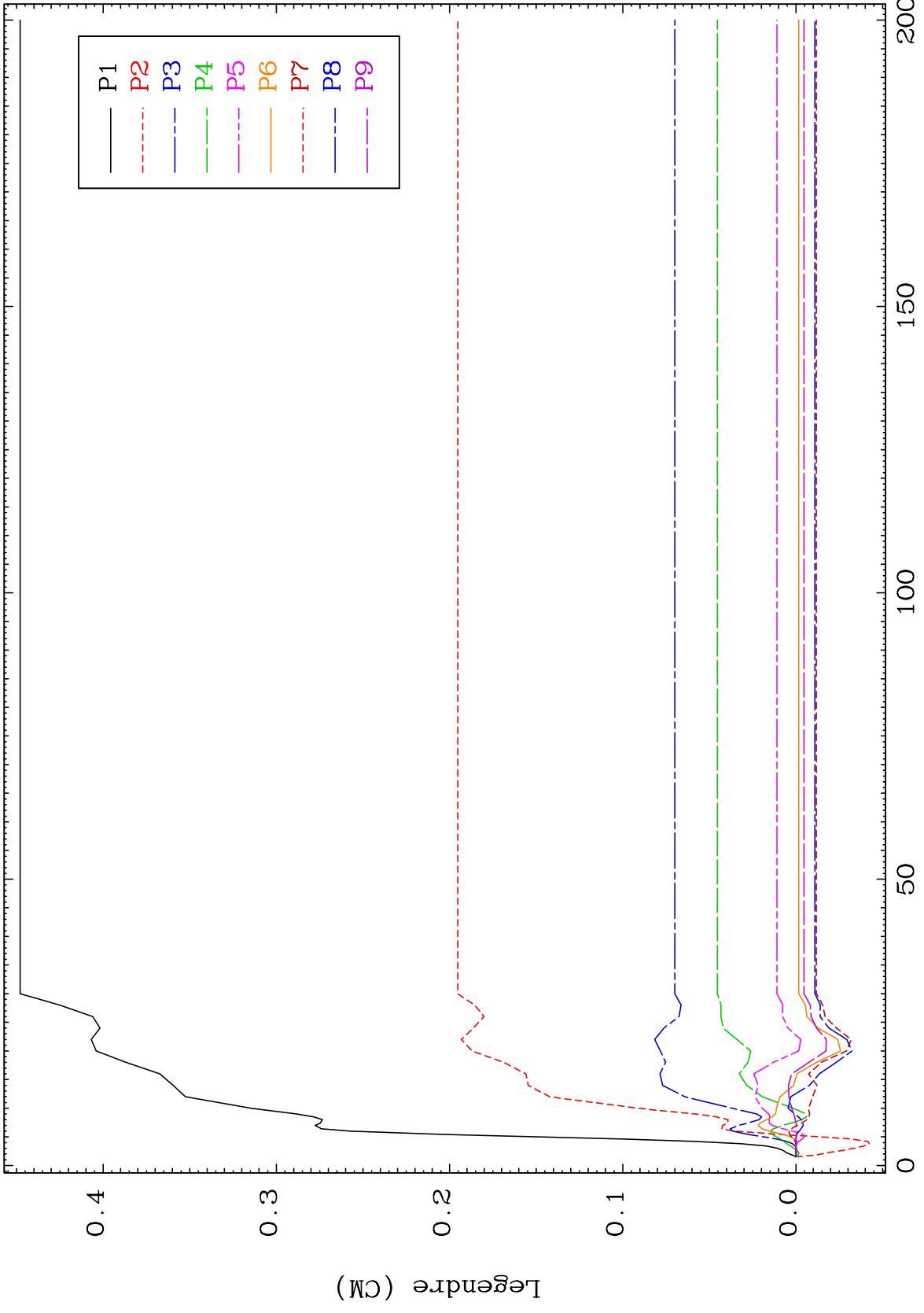
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



97

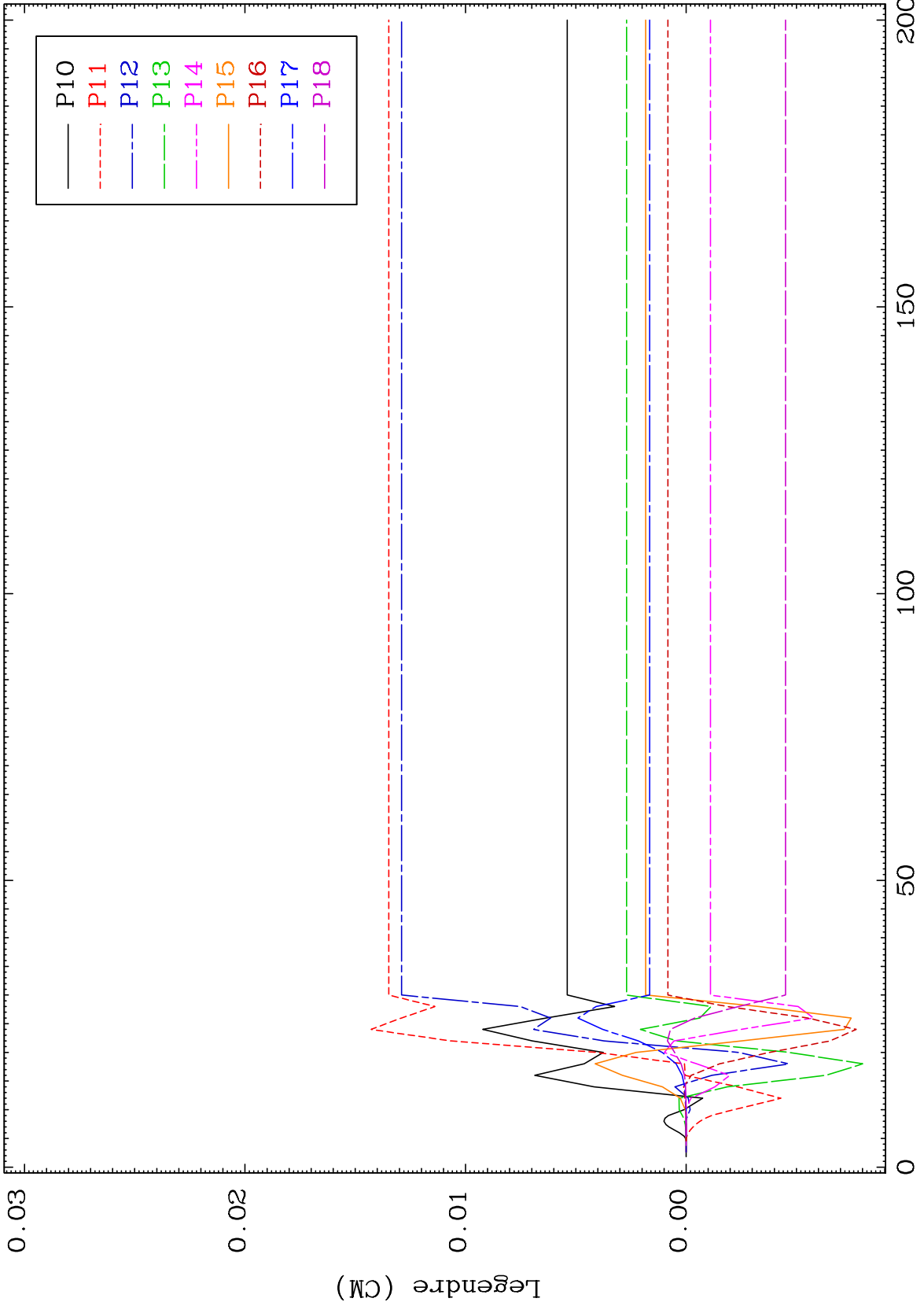
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



98

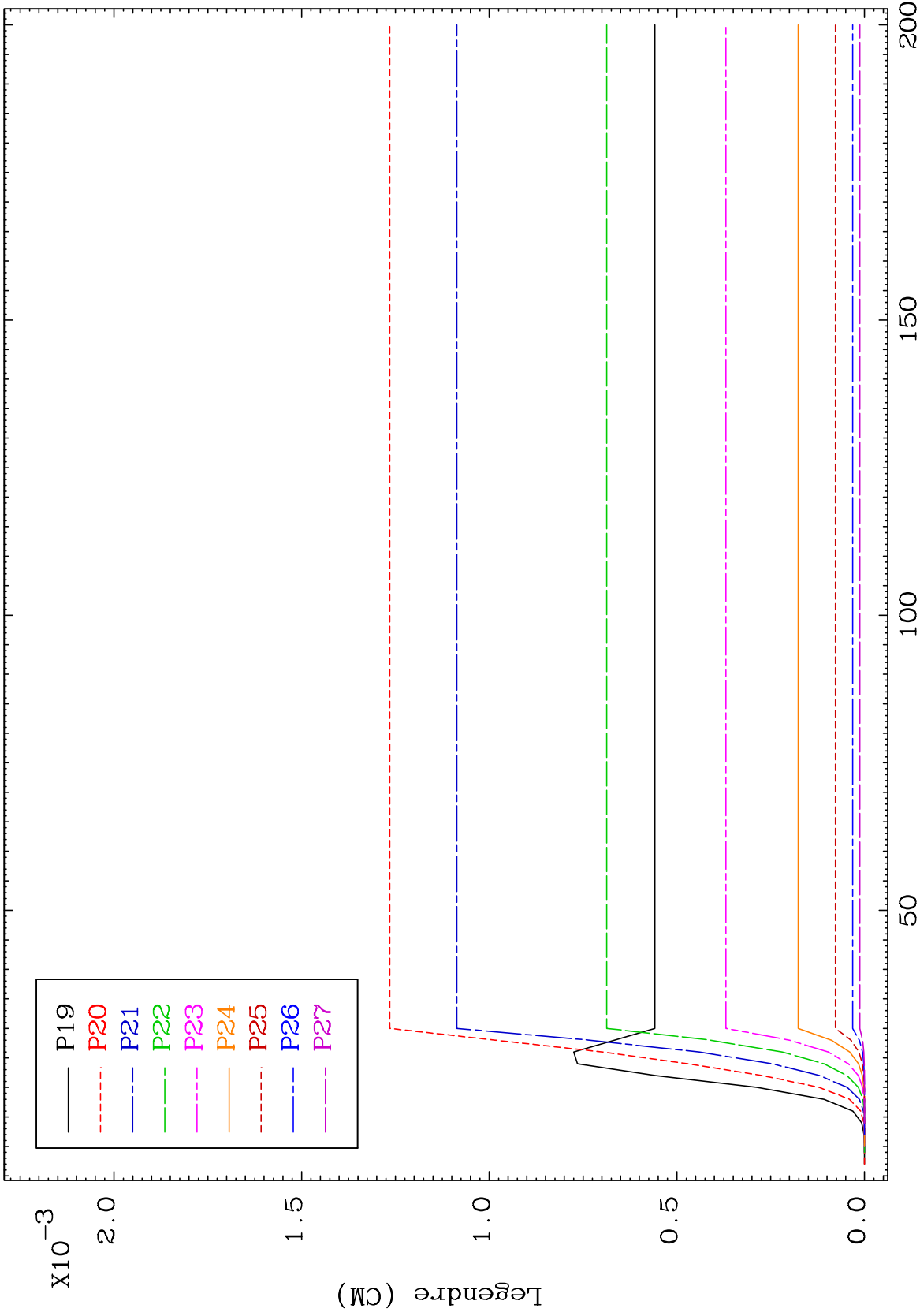
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



99

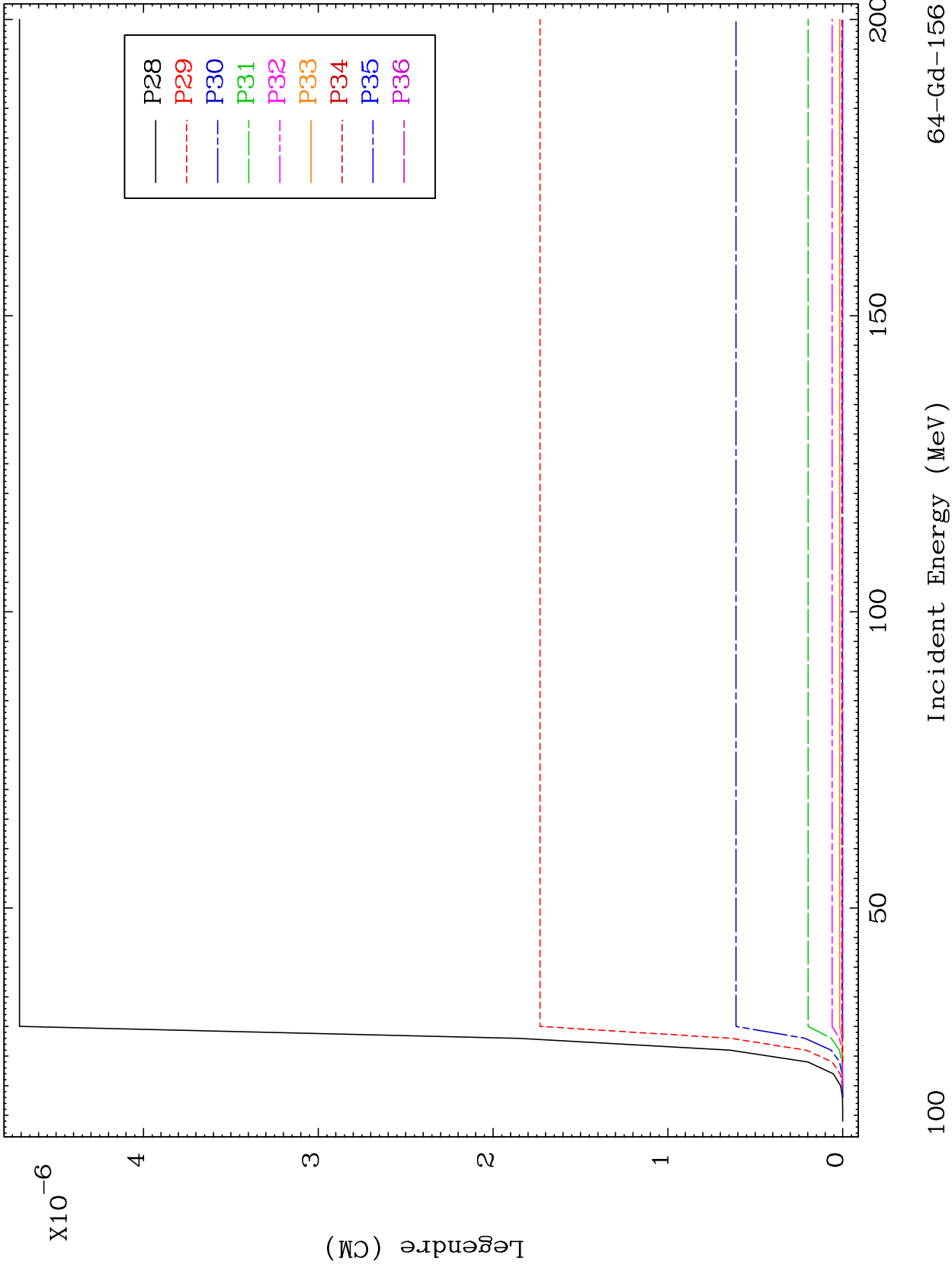
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

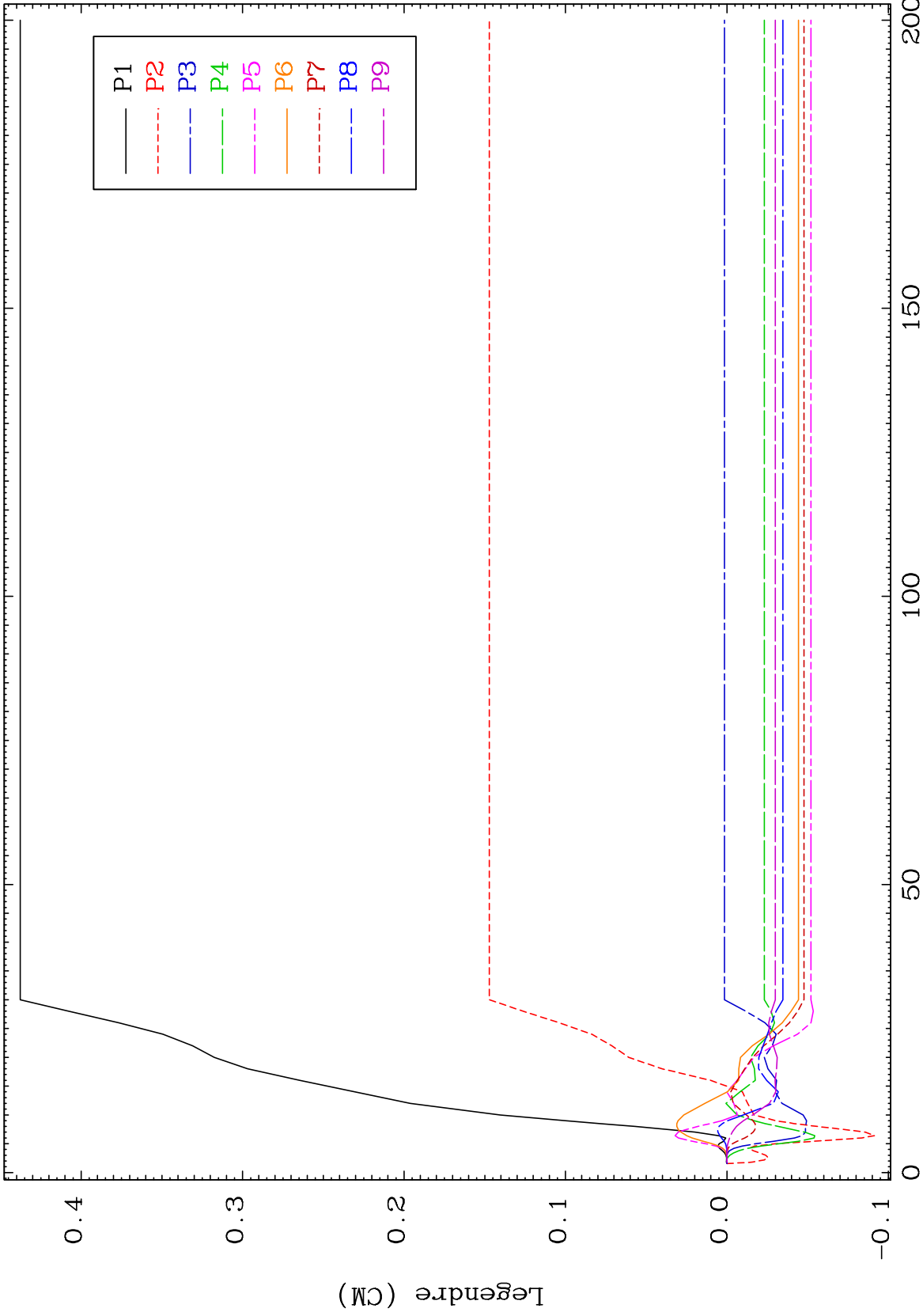
64-Gd-156



MAT 6437

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

64-Gd-156



101

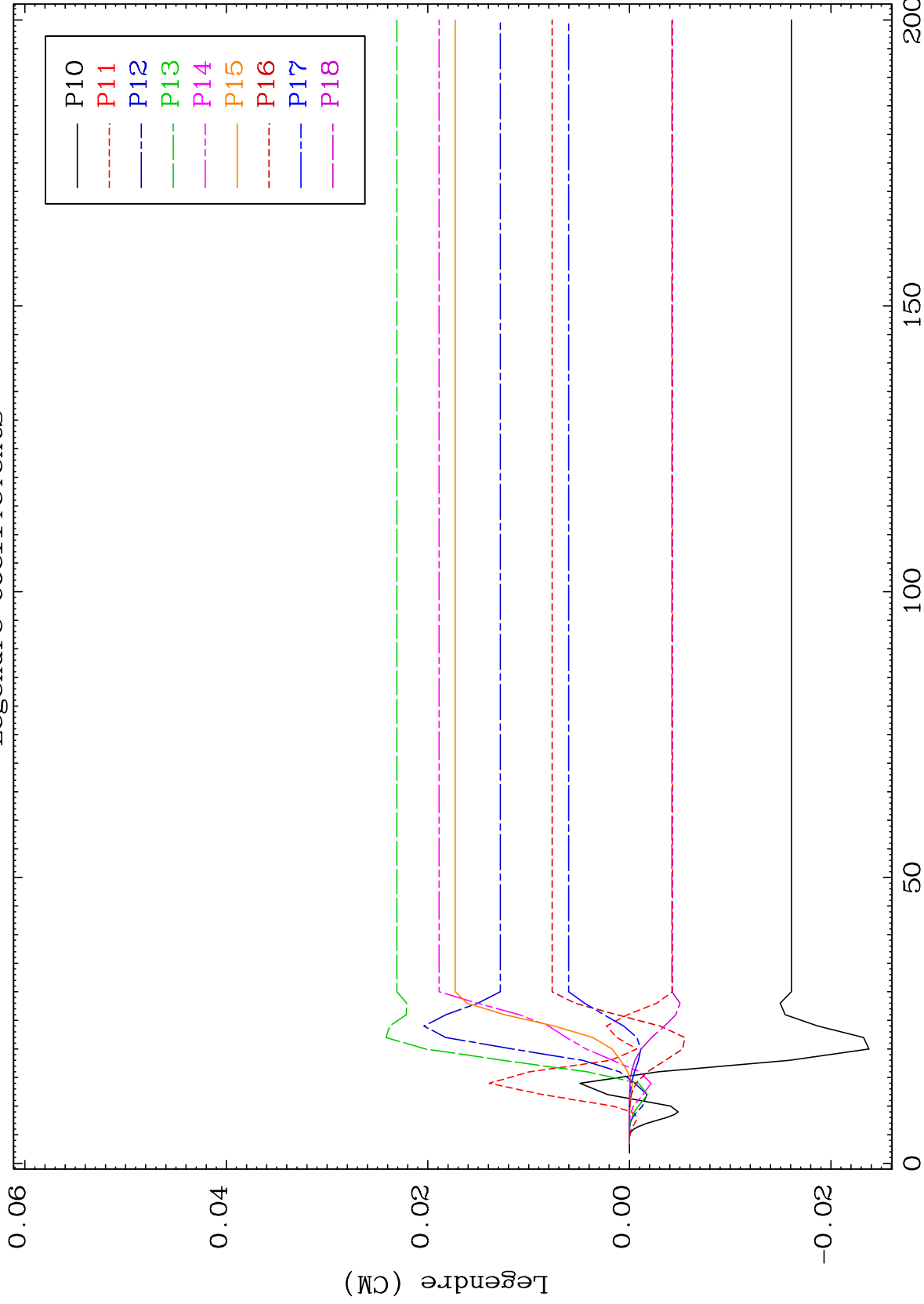
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

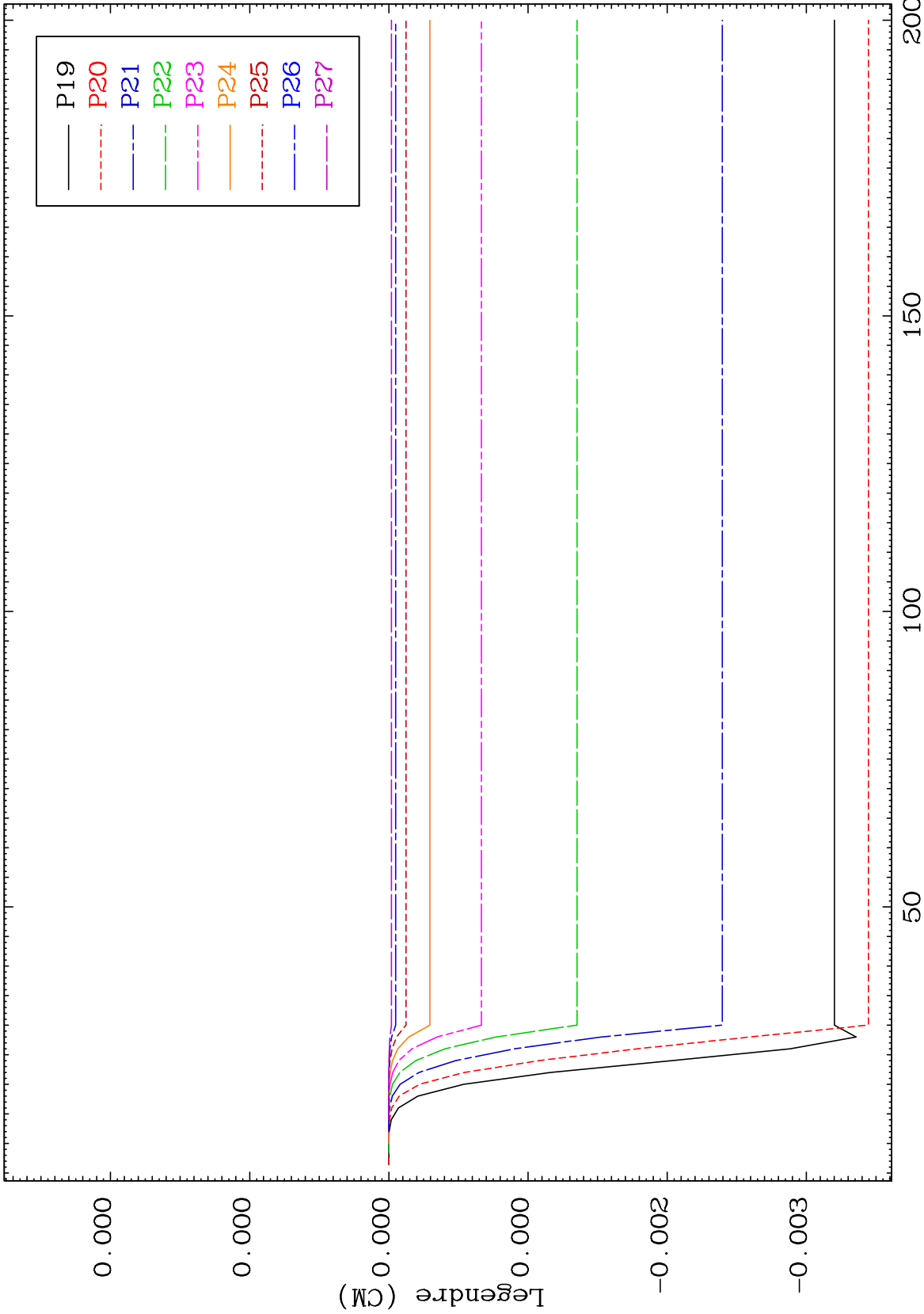
Incident Energy (MeV)

102

MAT 6437

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

64-Gd-156



103

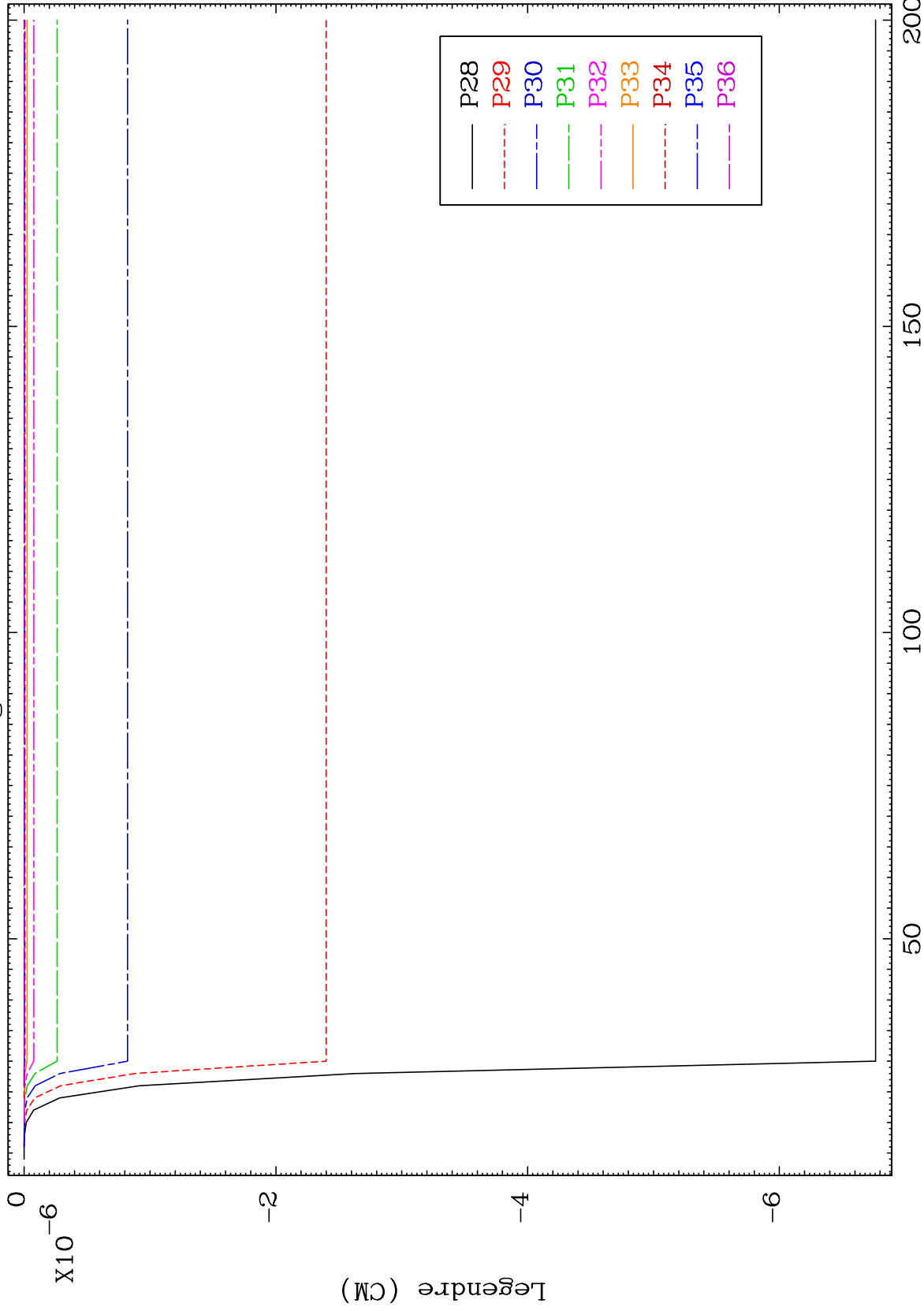
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



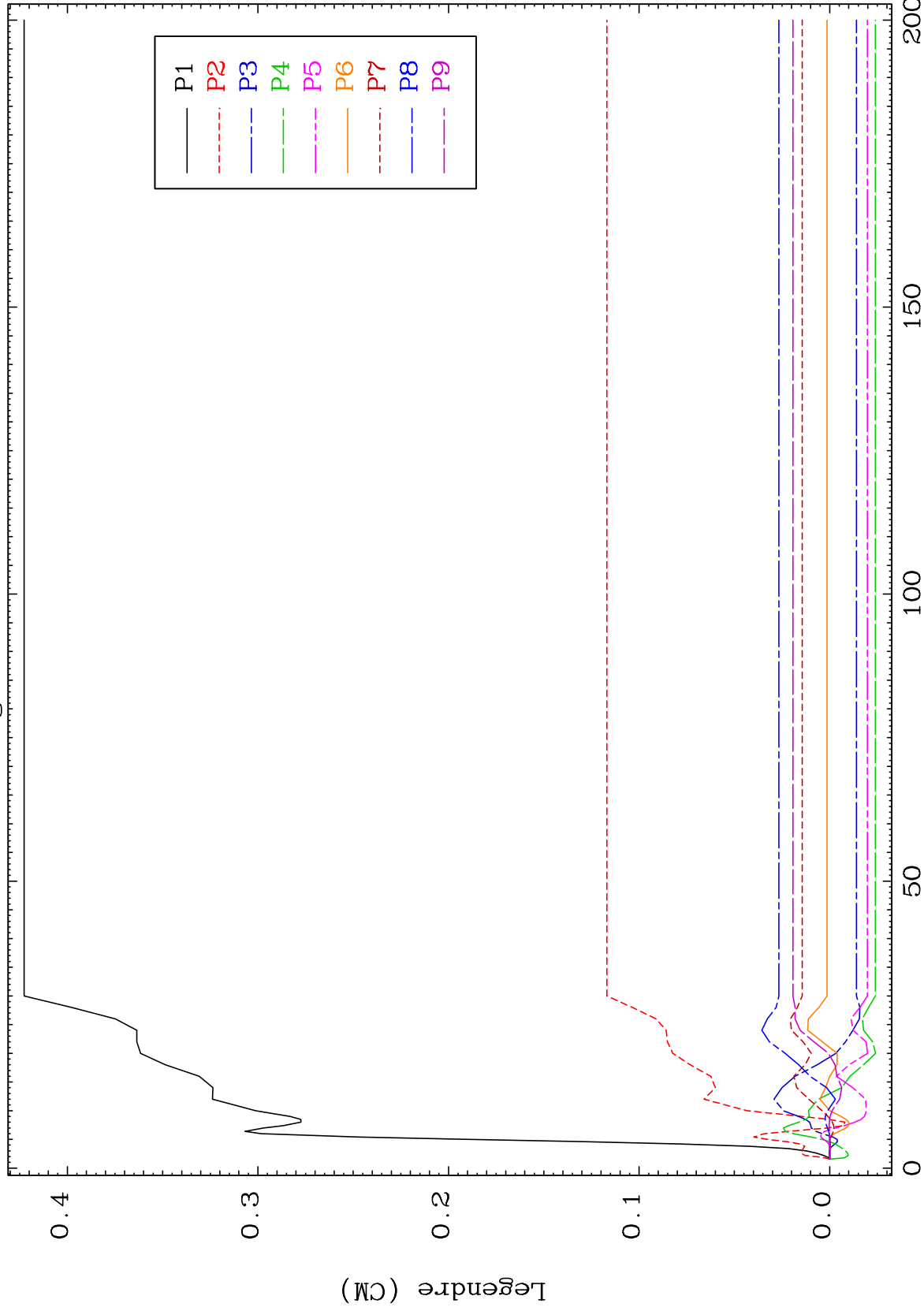
104

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

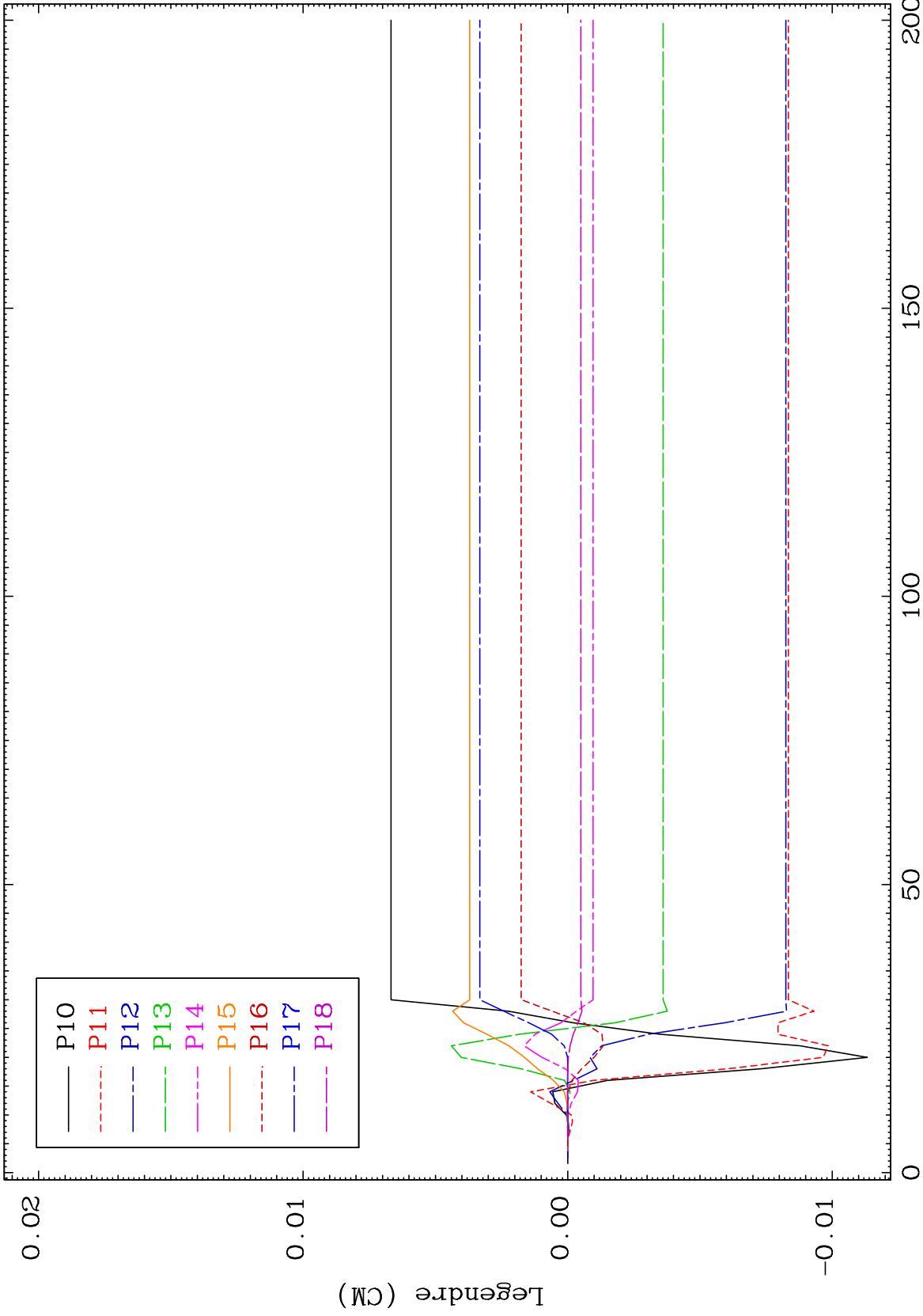
Incident Energy (MeV)

105

MAT 6437

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

64-Gd-156



106

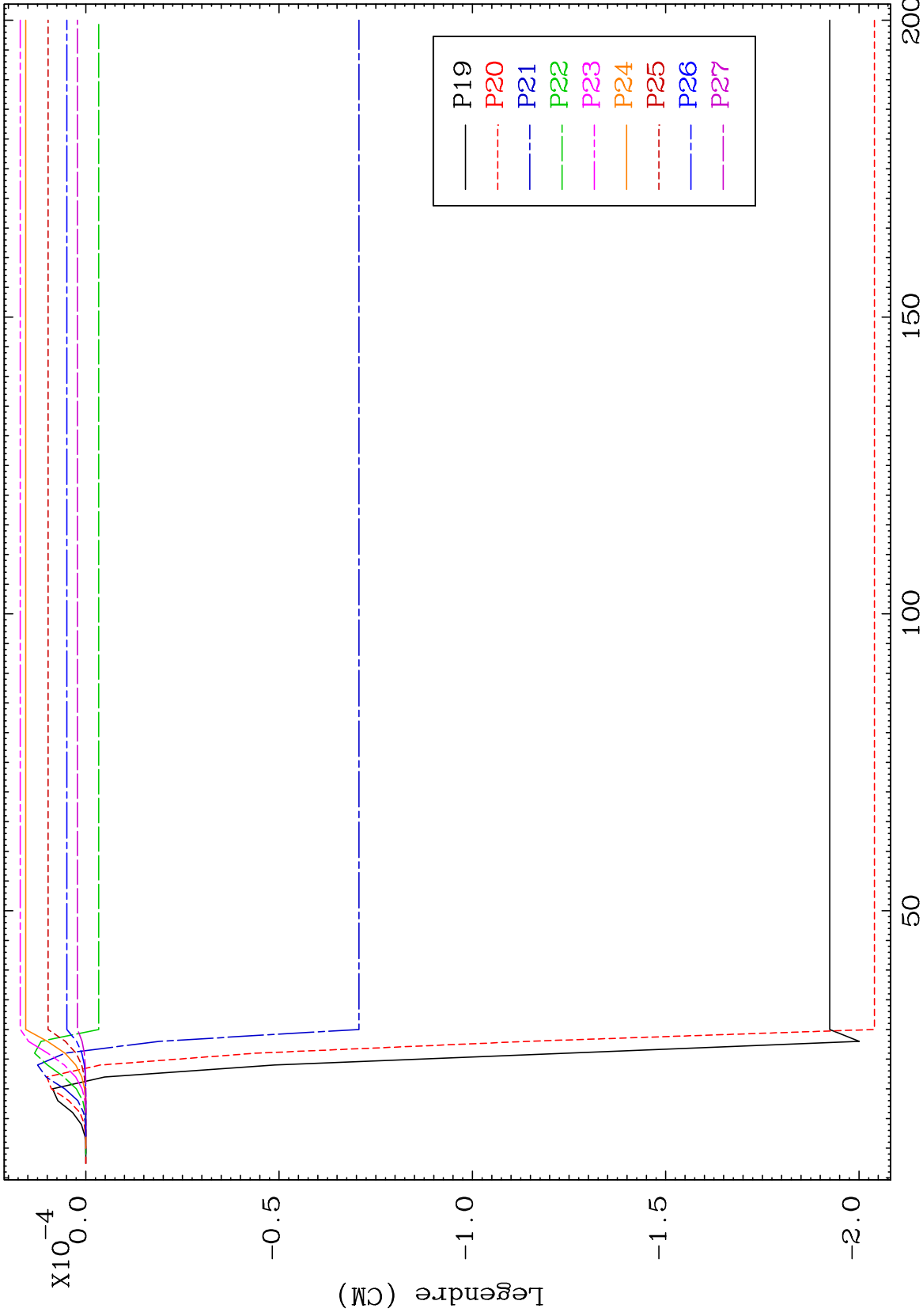
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



107

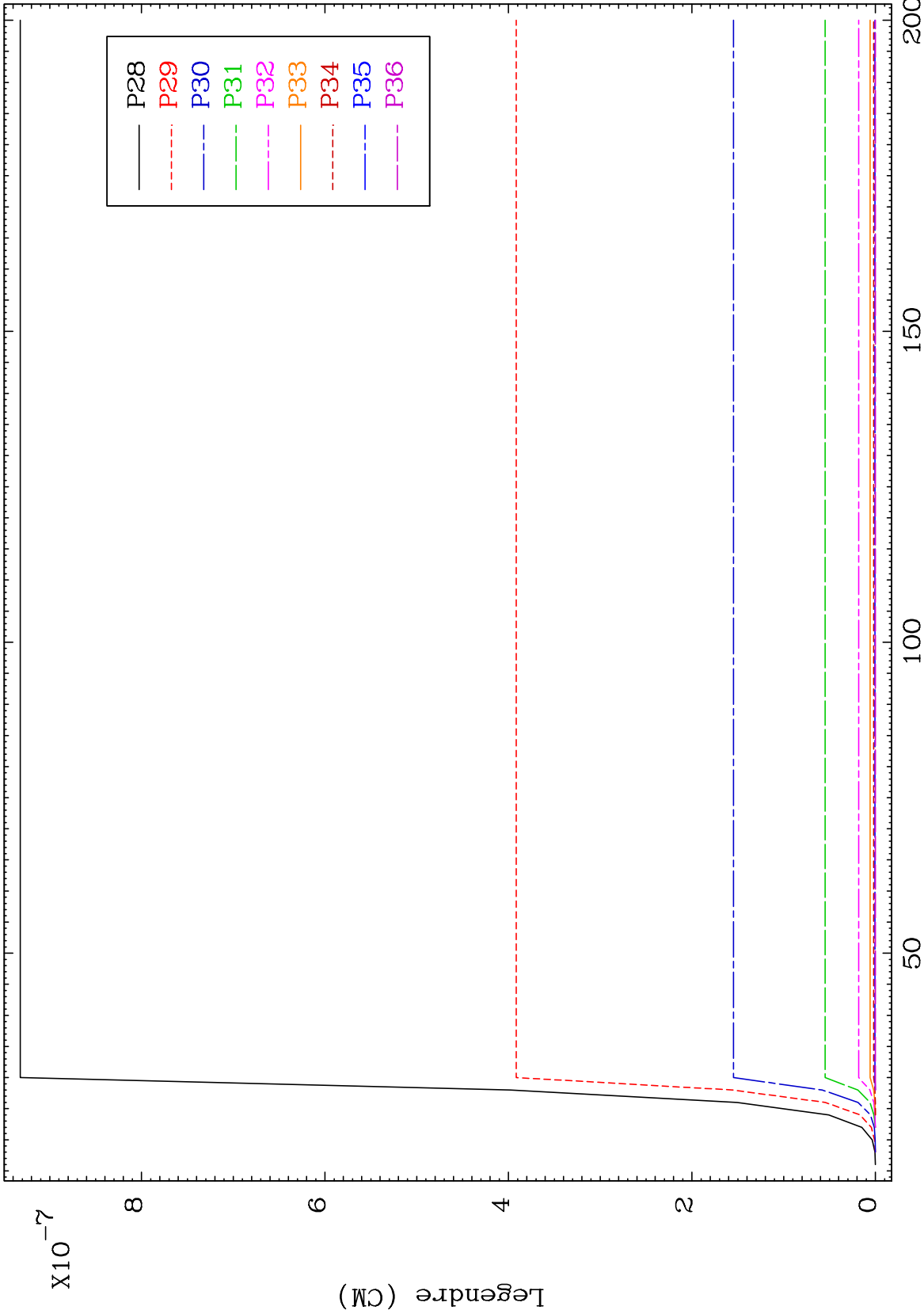
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



108

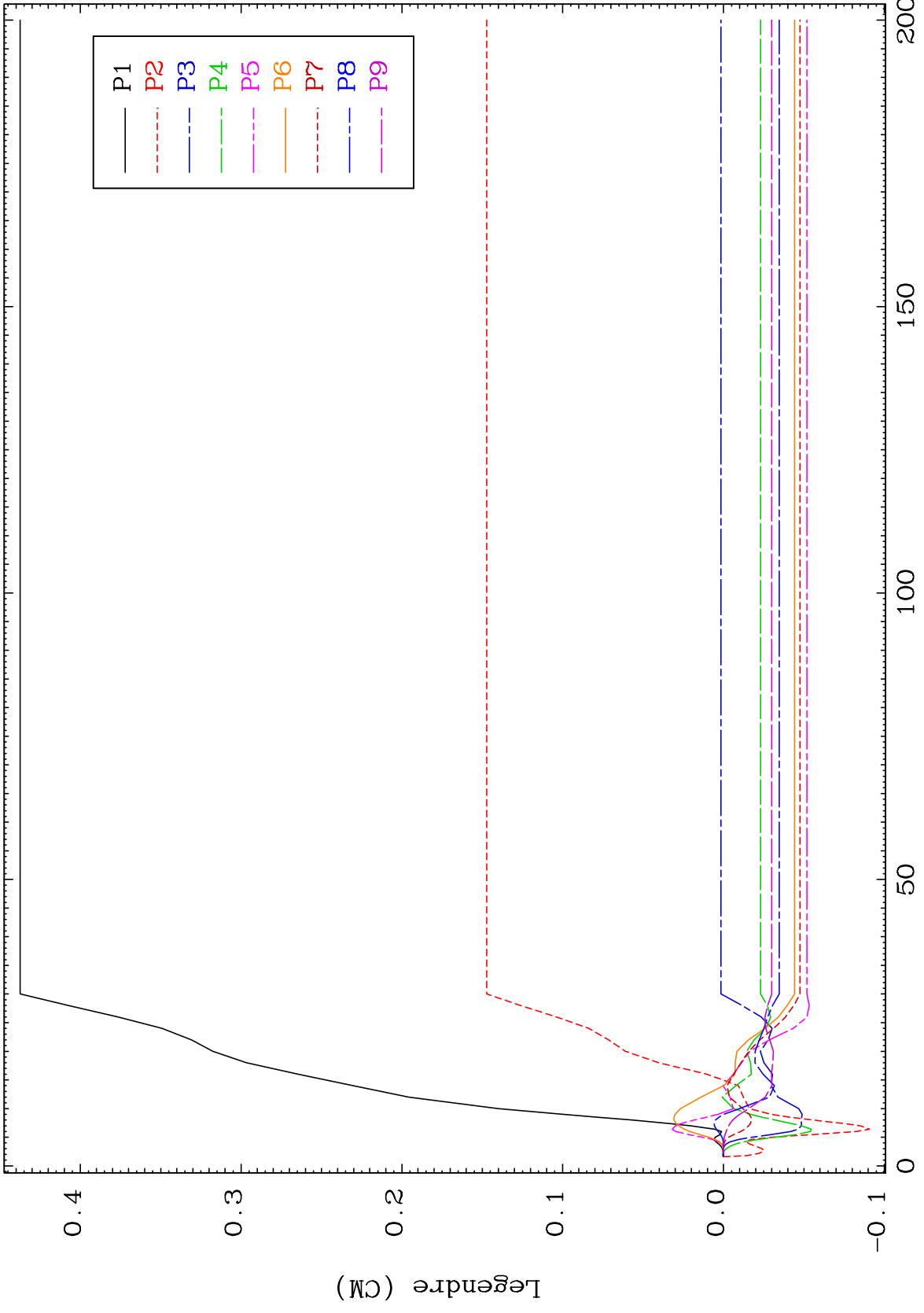
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

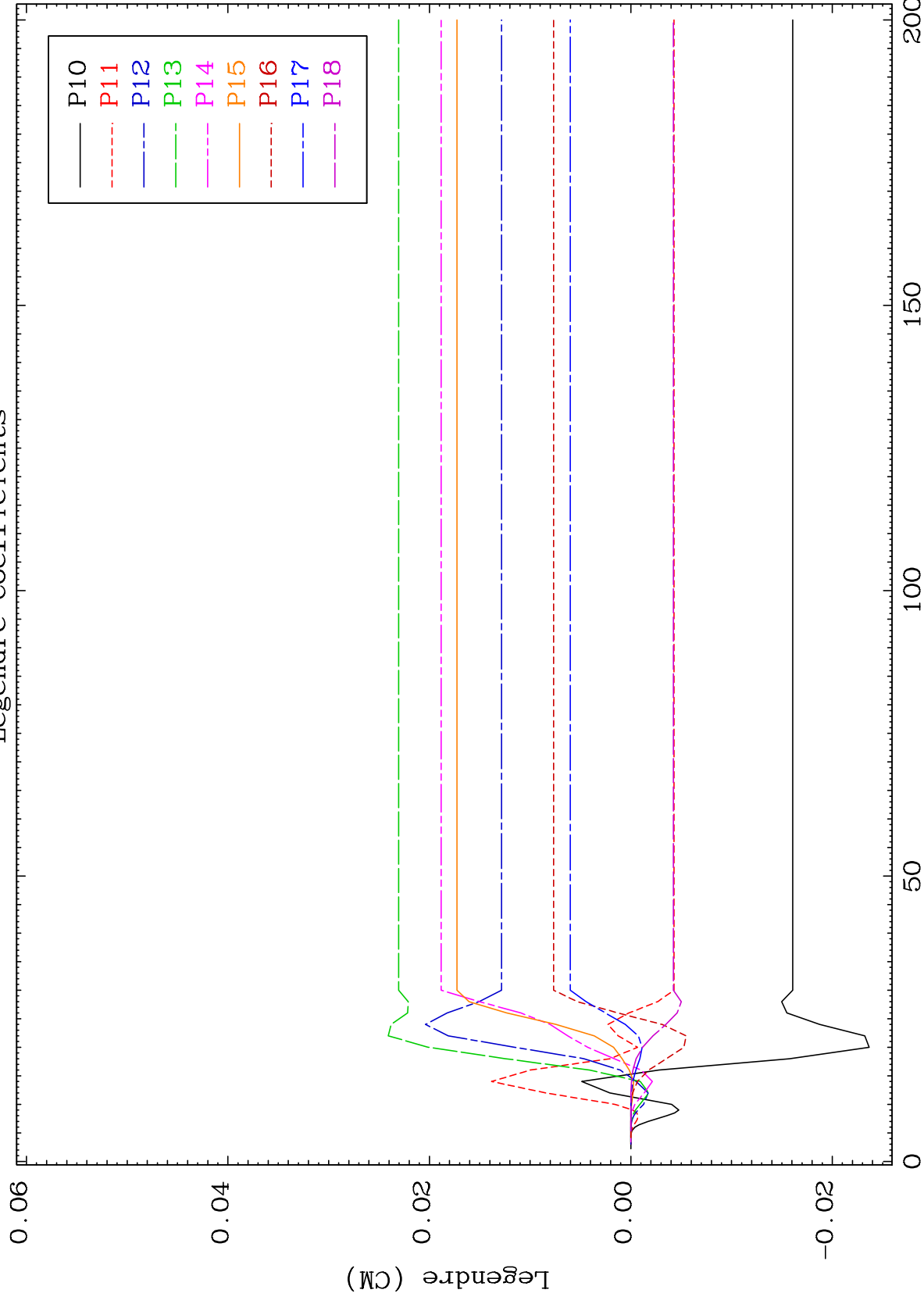
Incident Energy (MeV)

109

MAT 6437

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

64-Gd-156



64-Gd-156

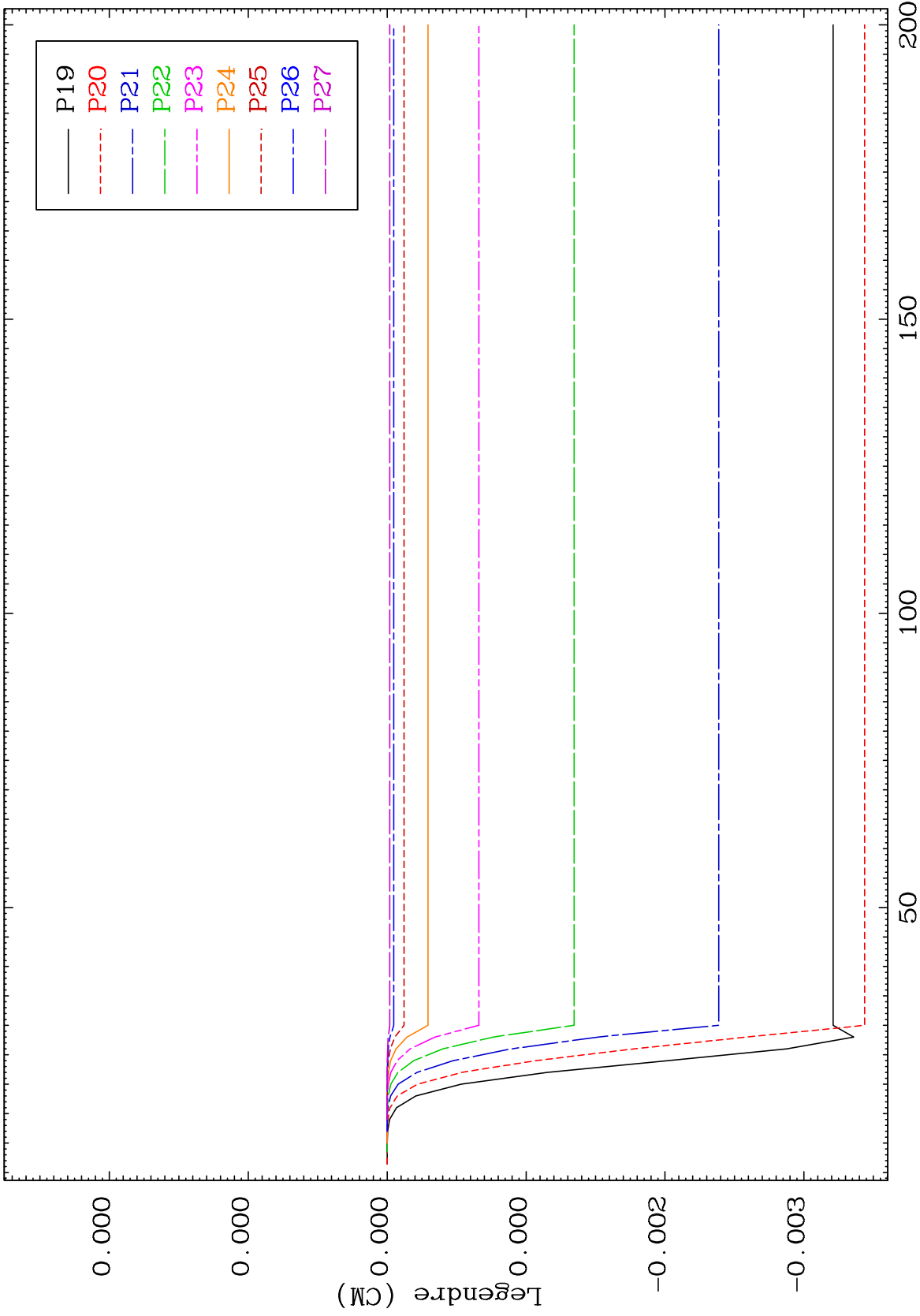
Incident Energy (MeV)

110

MAT 6437

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

64-Gd-156



111

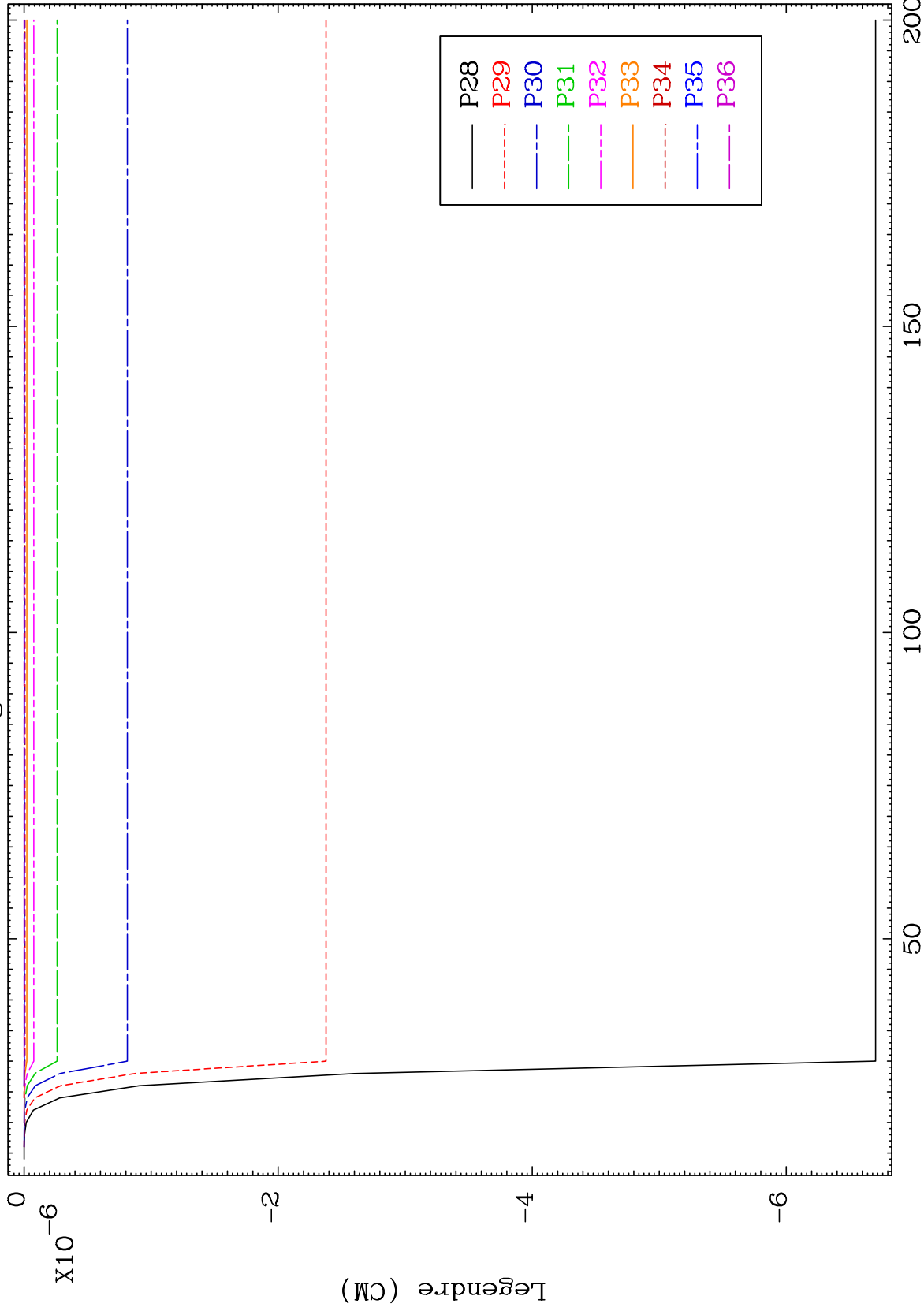
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

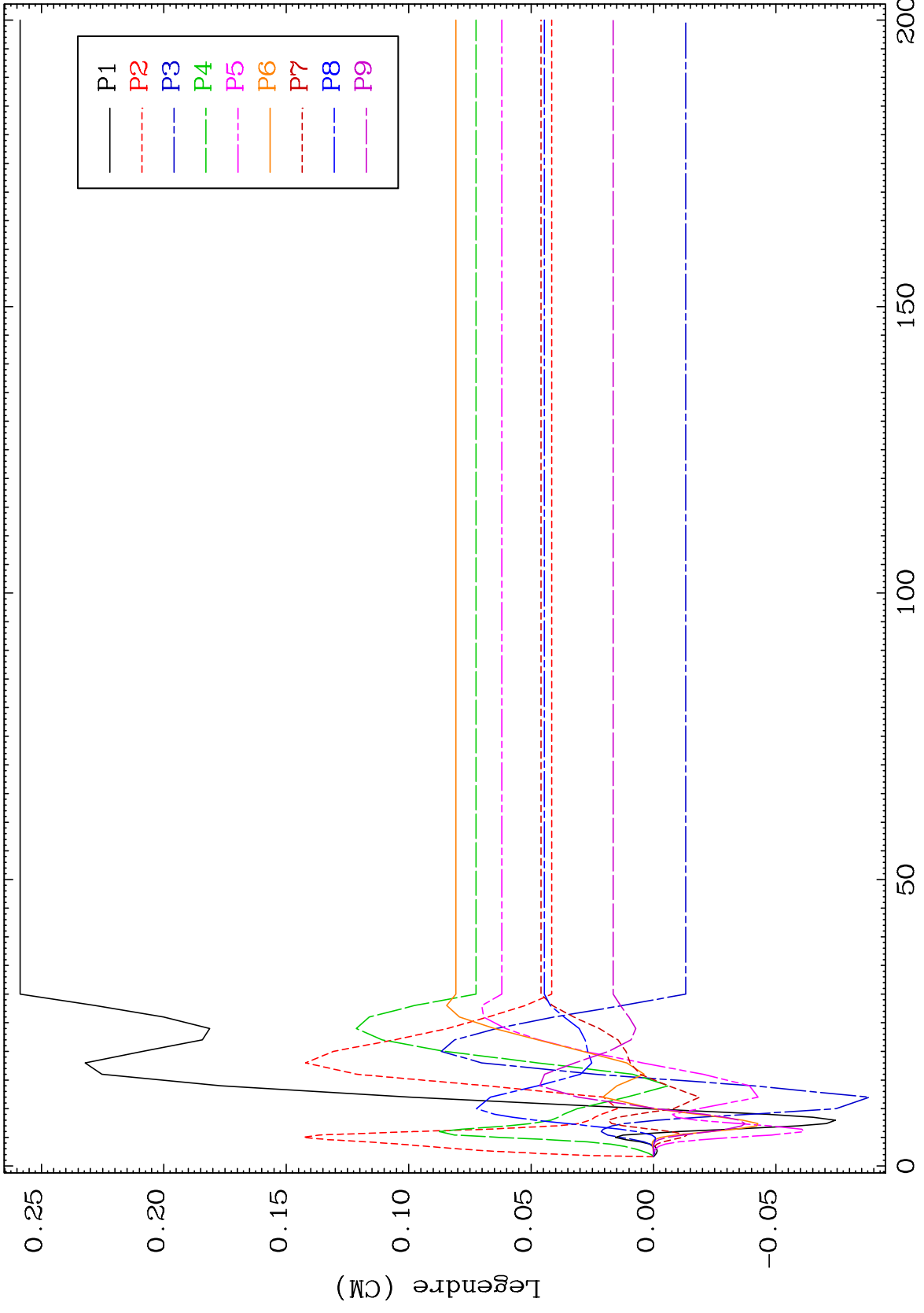
Incident Energy (MeV)

112

MAT 6437

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

64-Gd-156



113

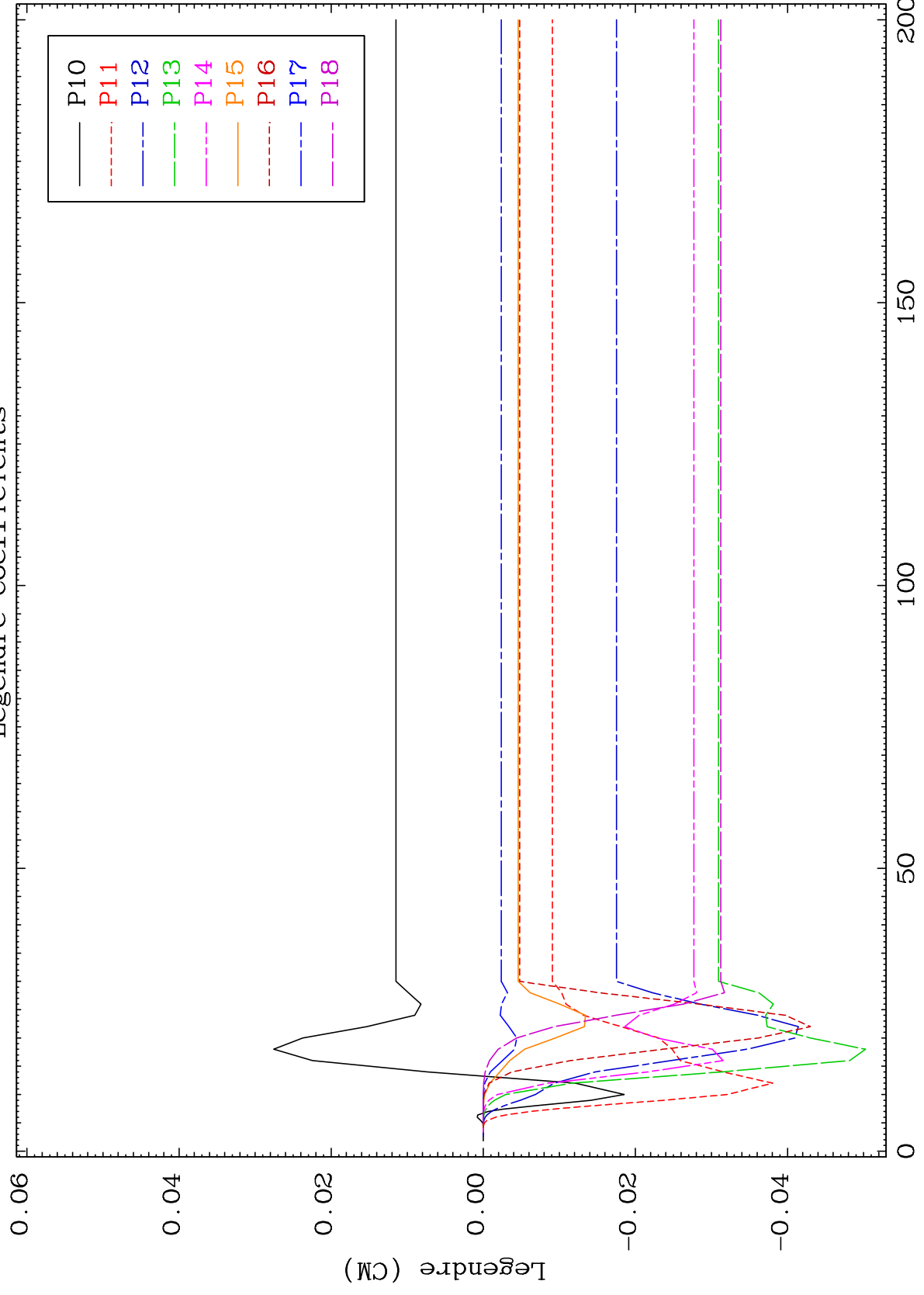
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



114

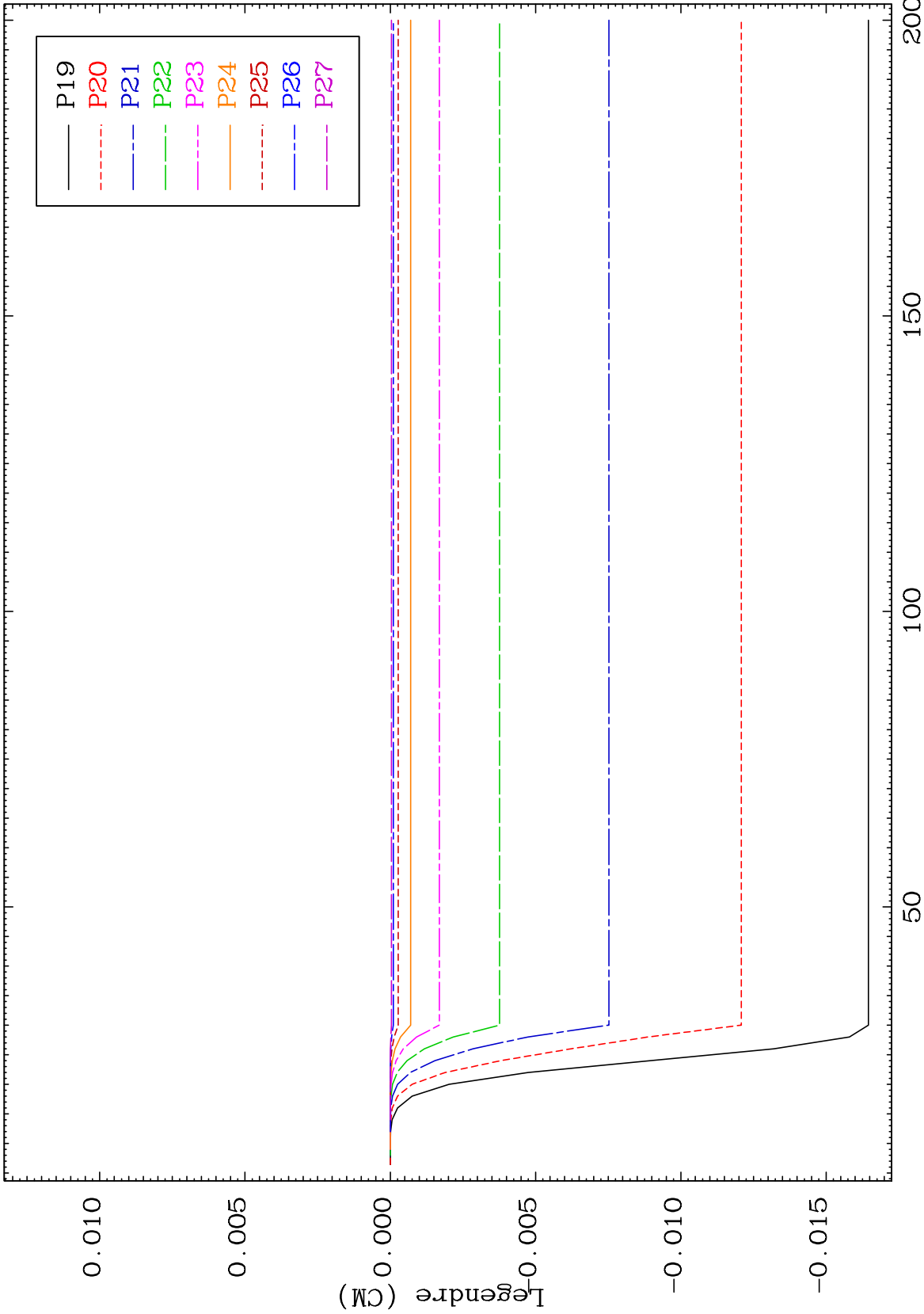
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



115

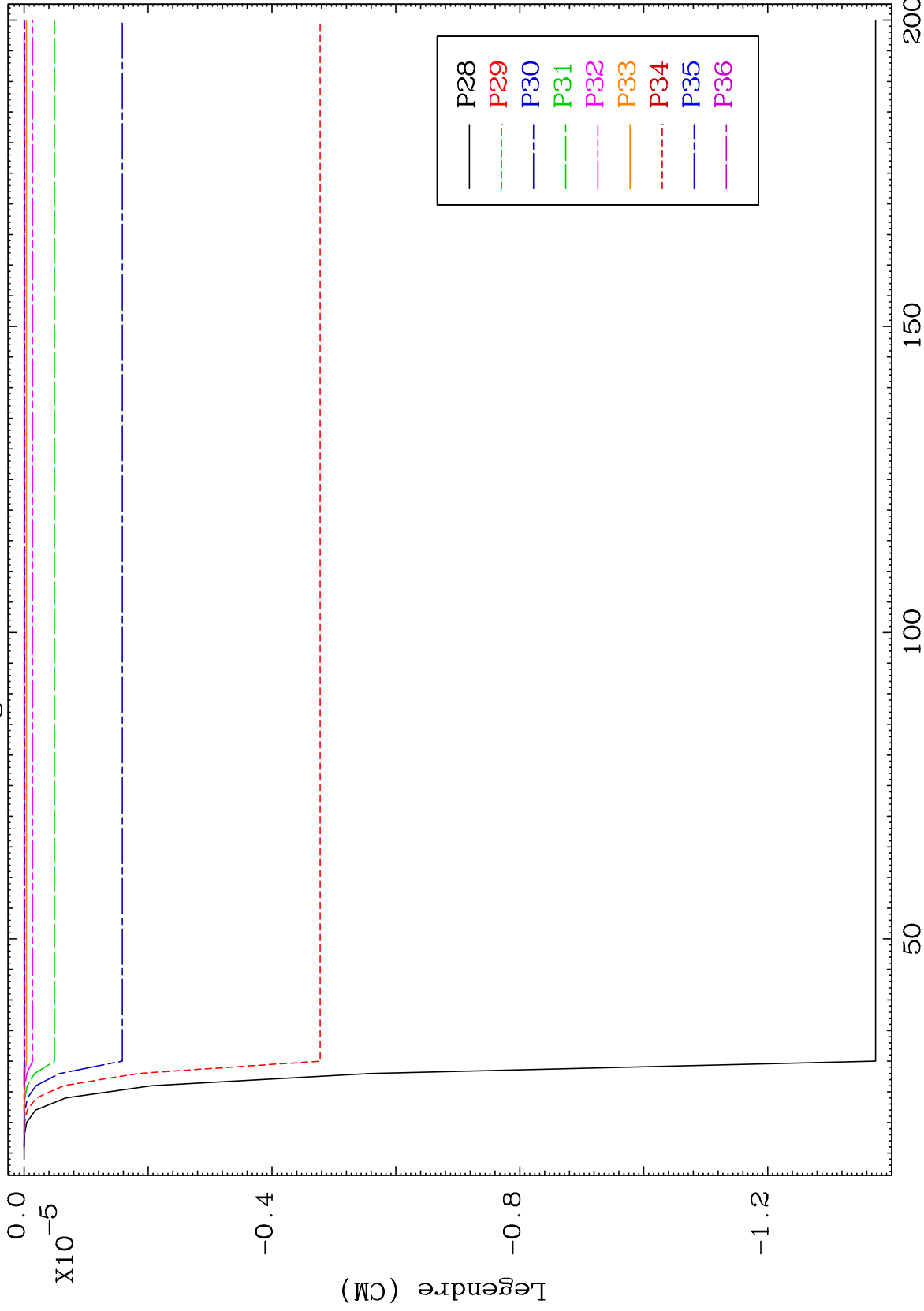
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



116

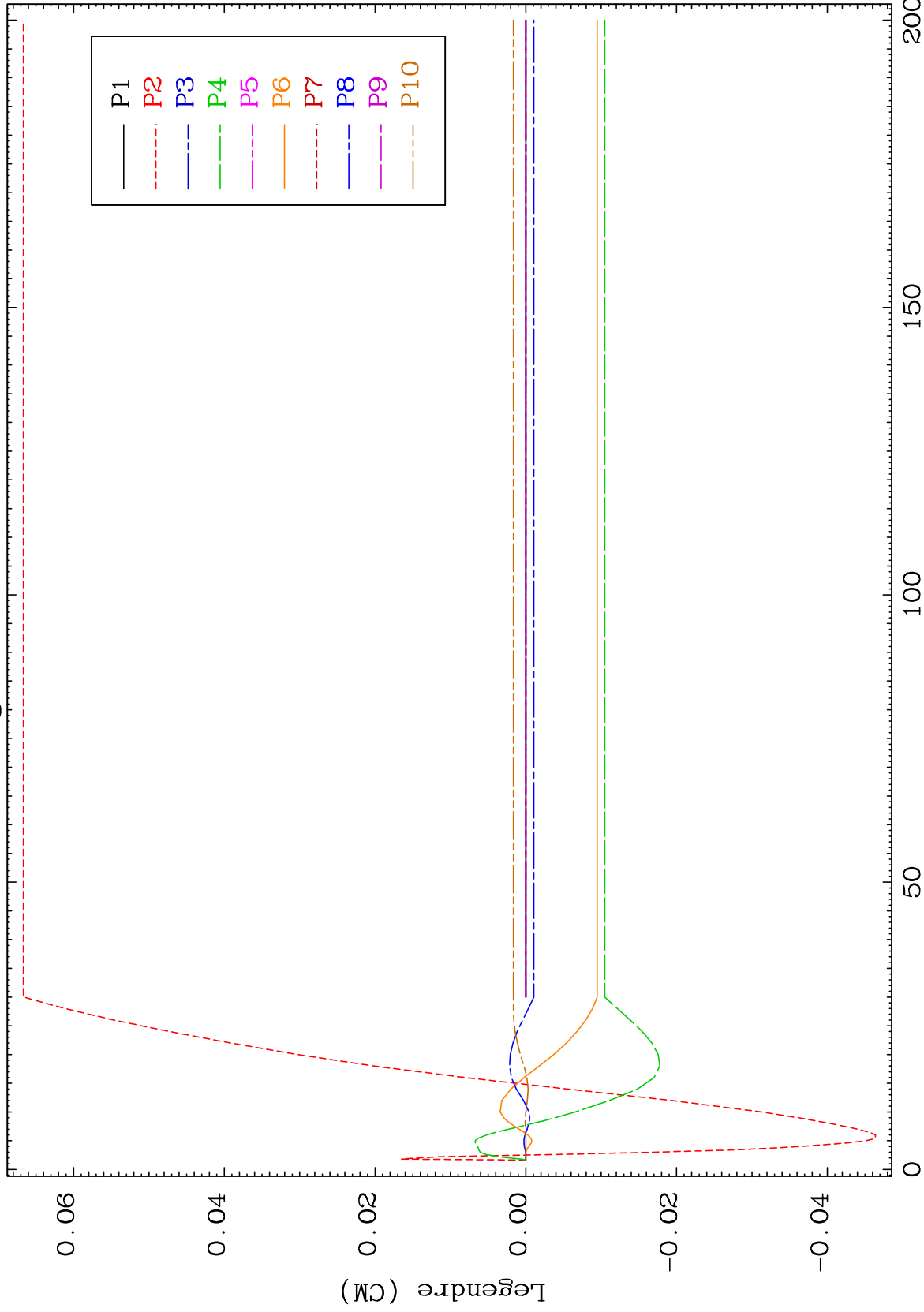
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



117

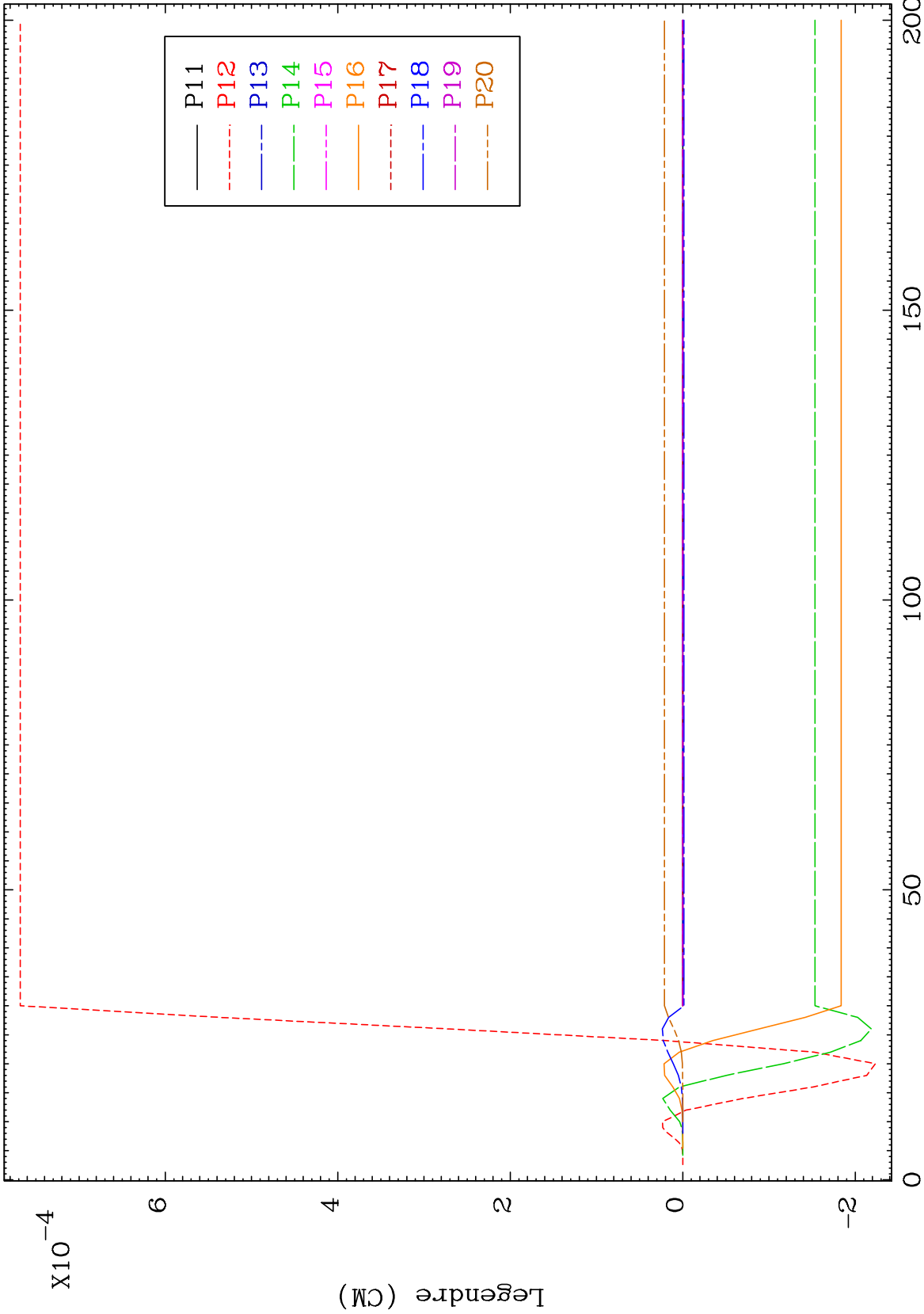
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



118

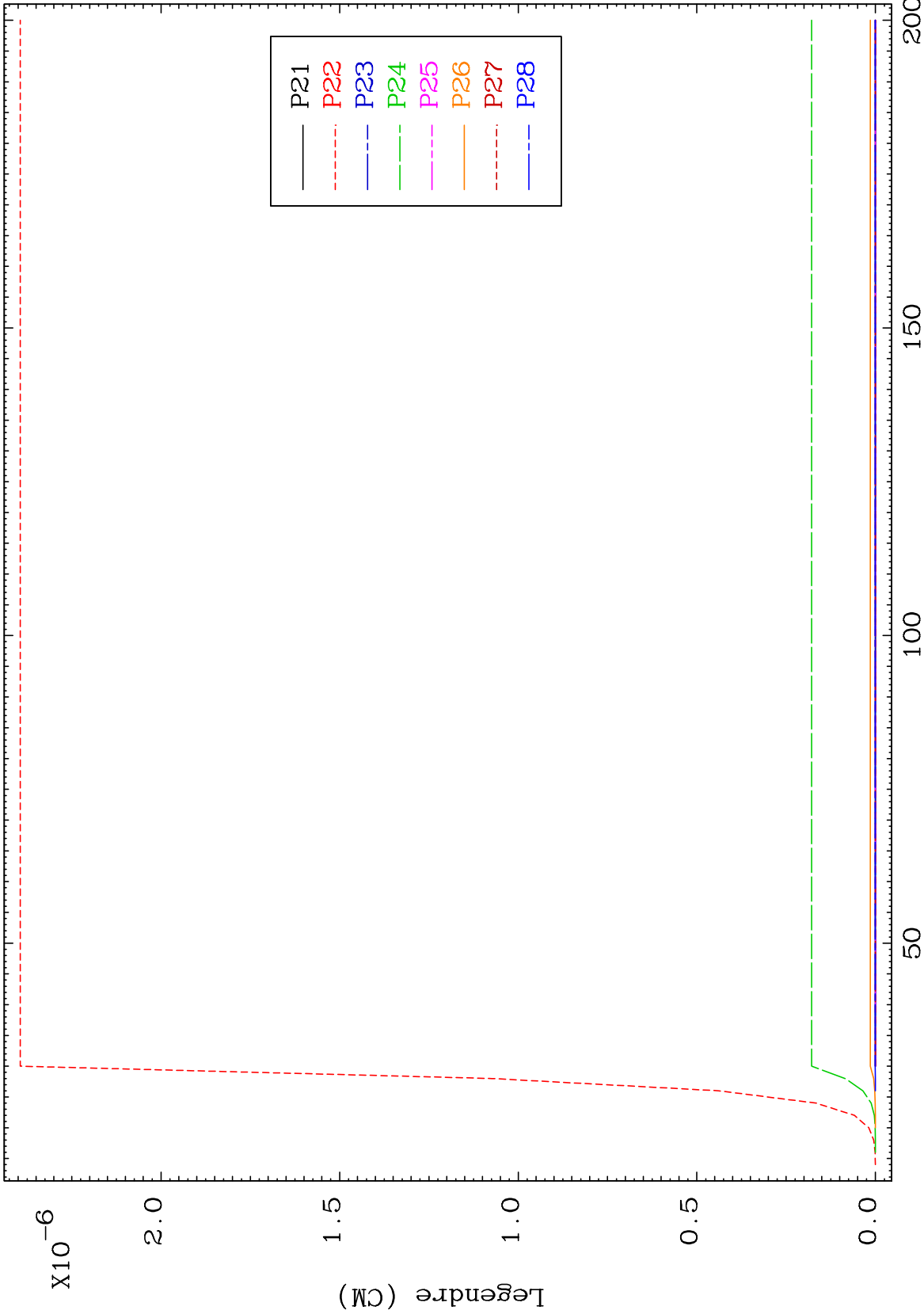
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



119

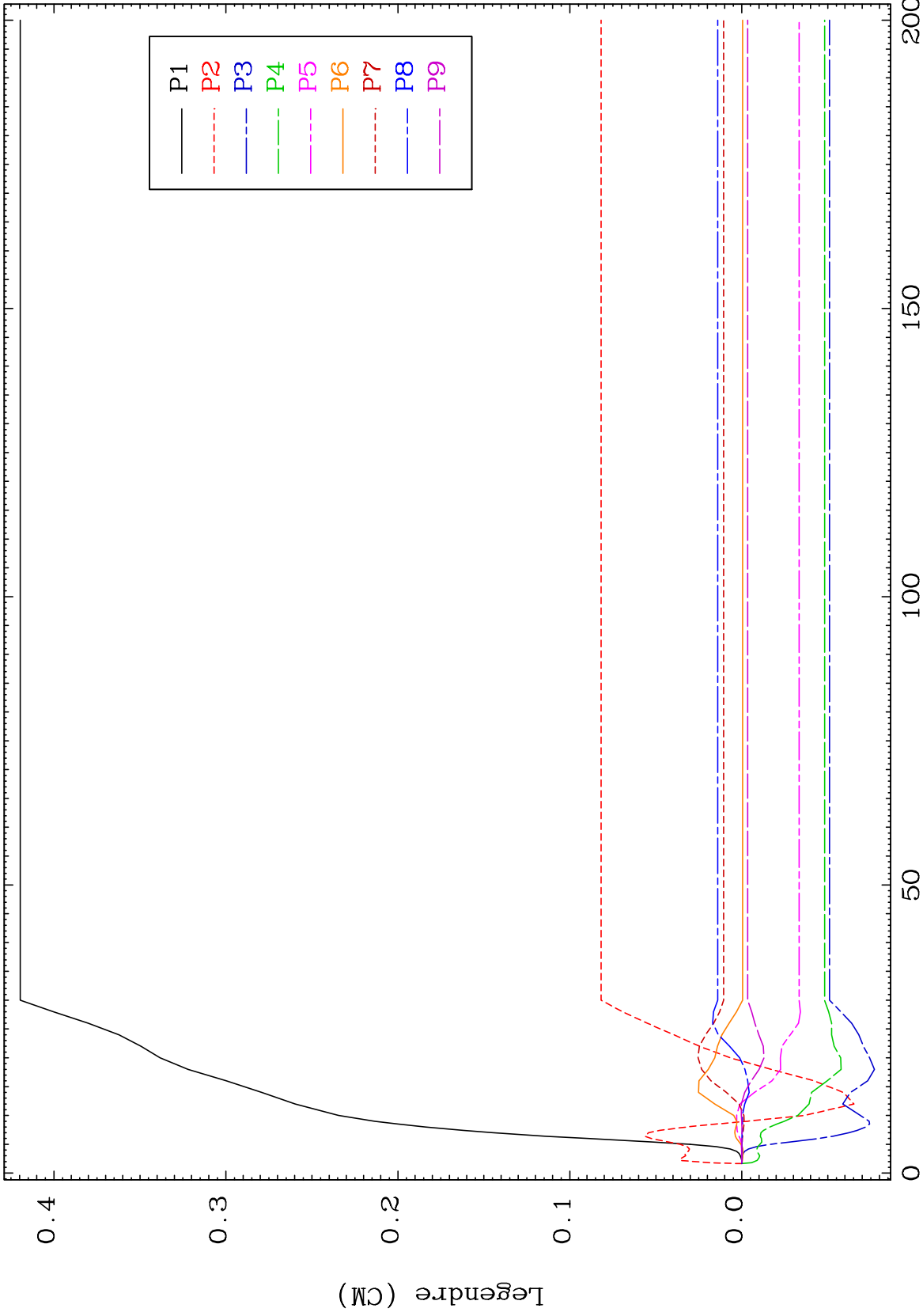
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

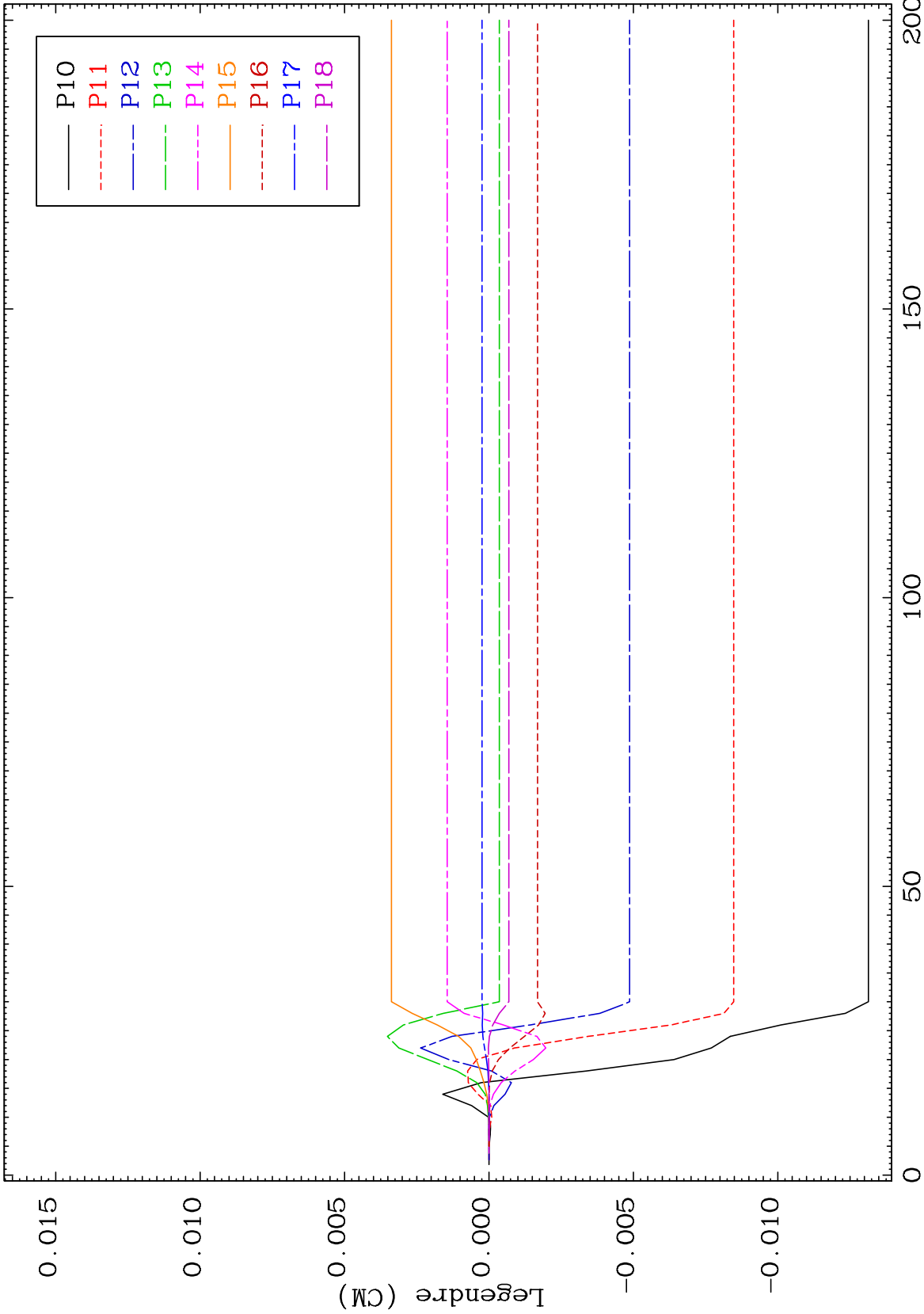
Incident Energy (MeV)

Legendre (CM)

MAT 6437

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

64-Gd-156



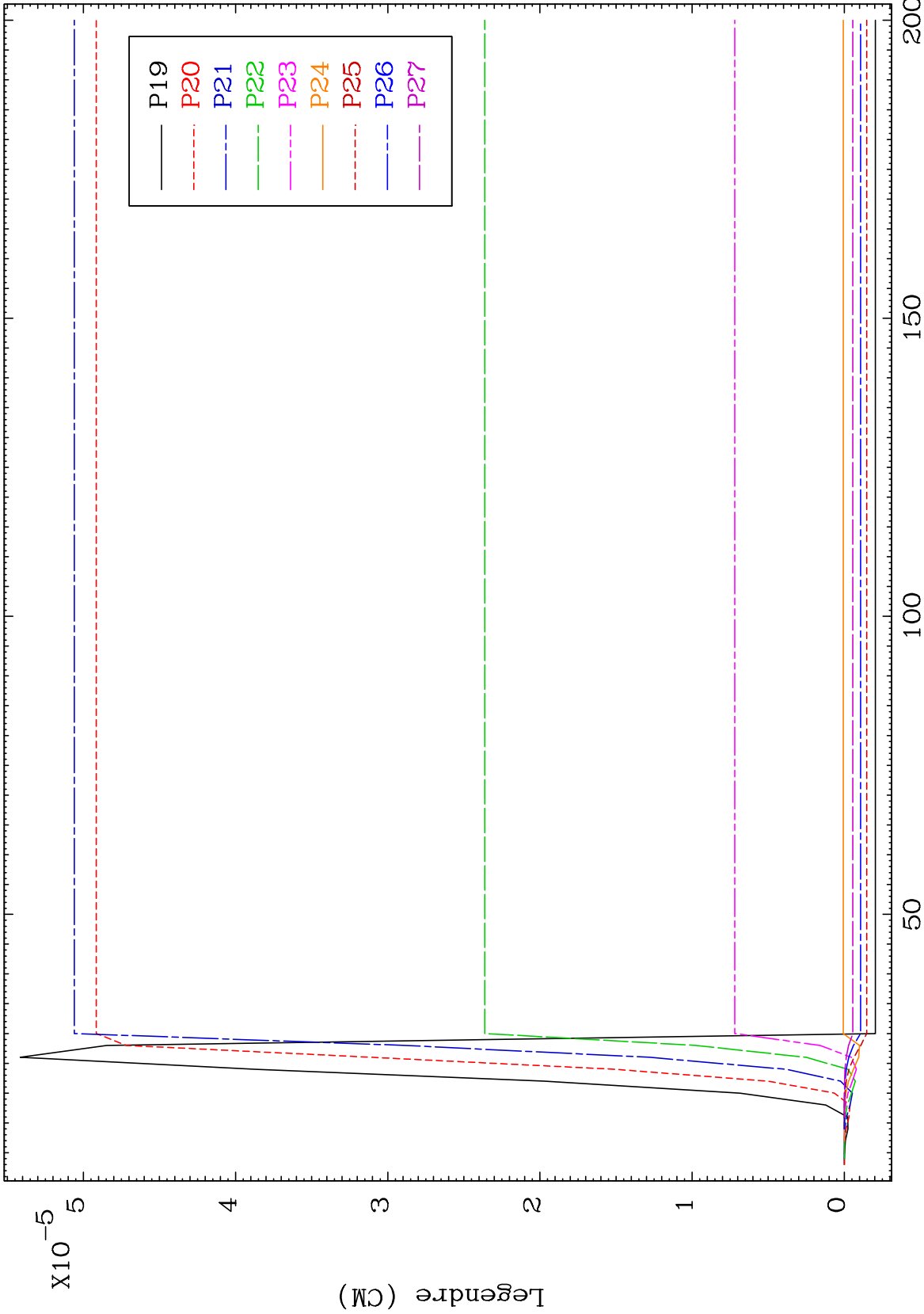
121

64-Gd-156

MAT 6437

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

64-Gd-156



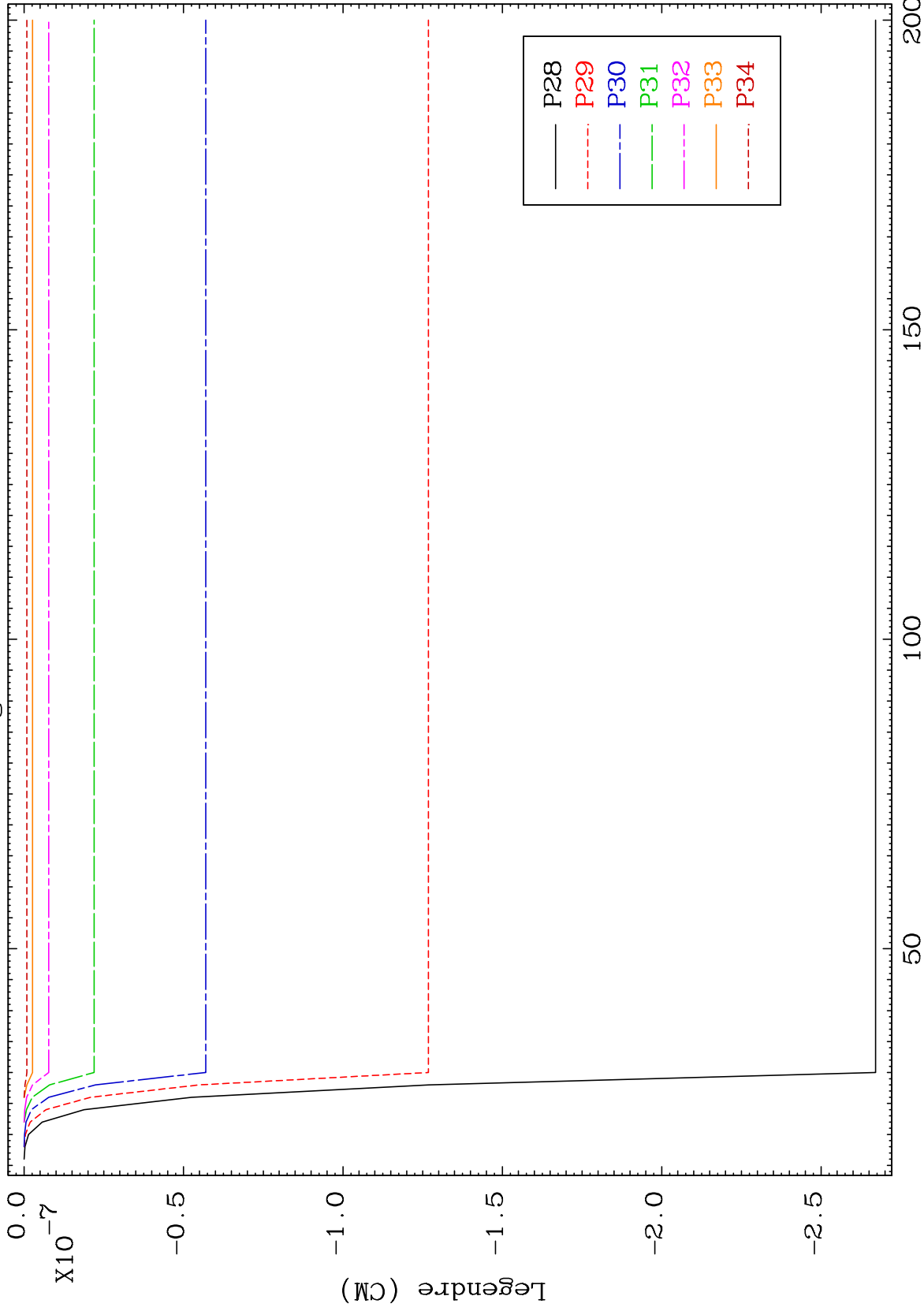
122

64-Gd-156

MAT 6437

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

64-Gd-156



123

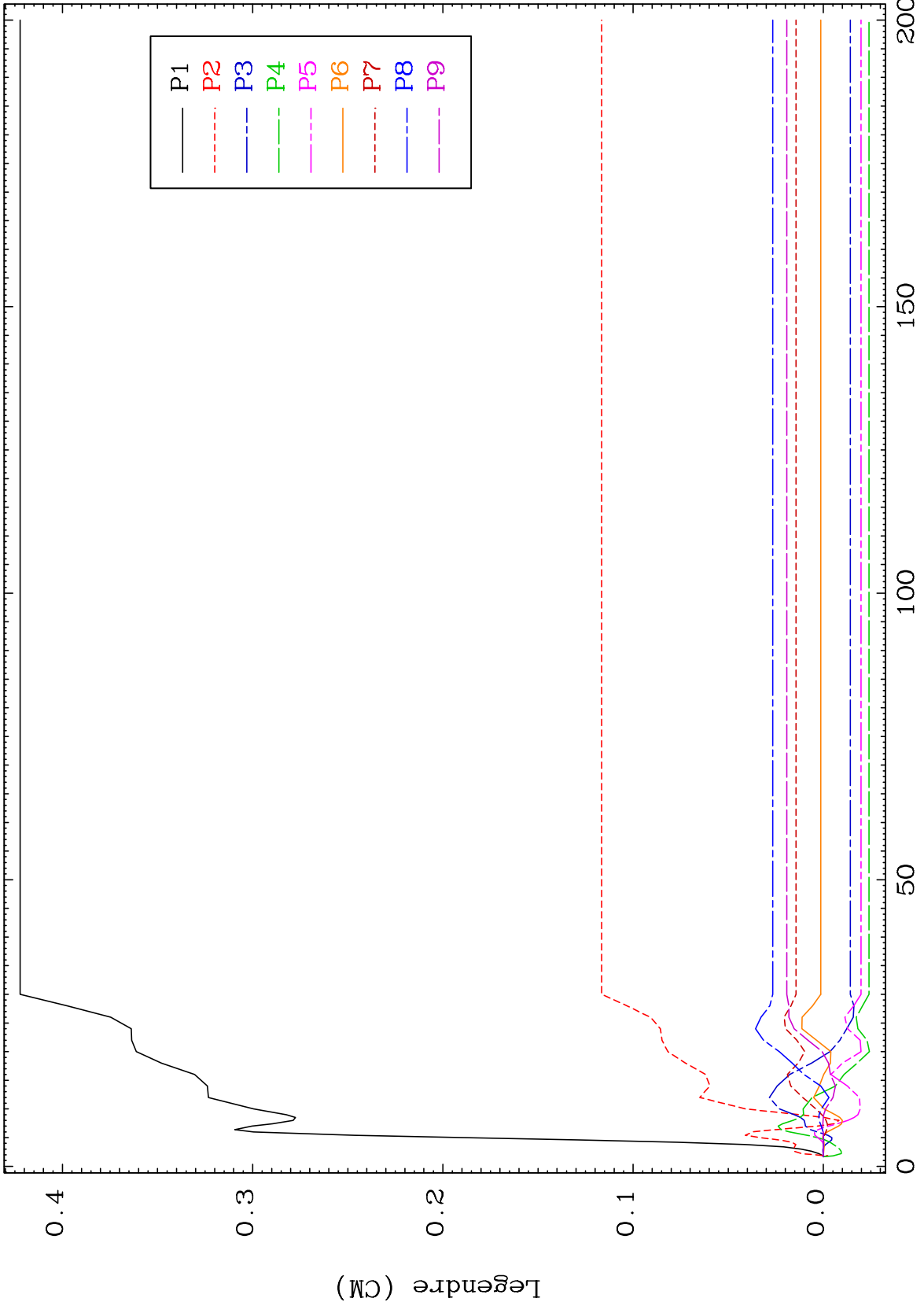
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



124

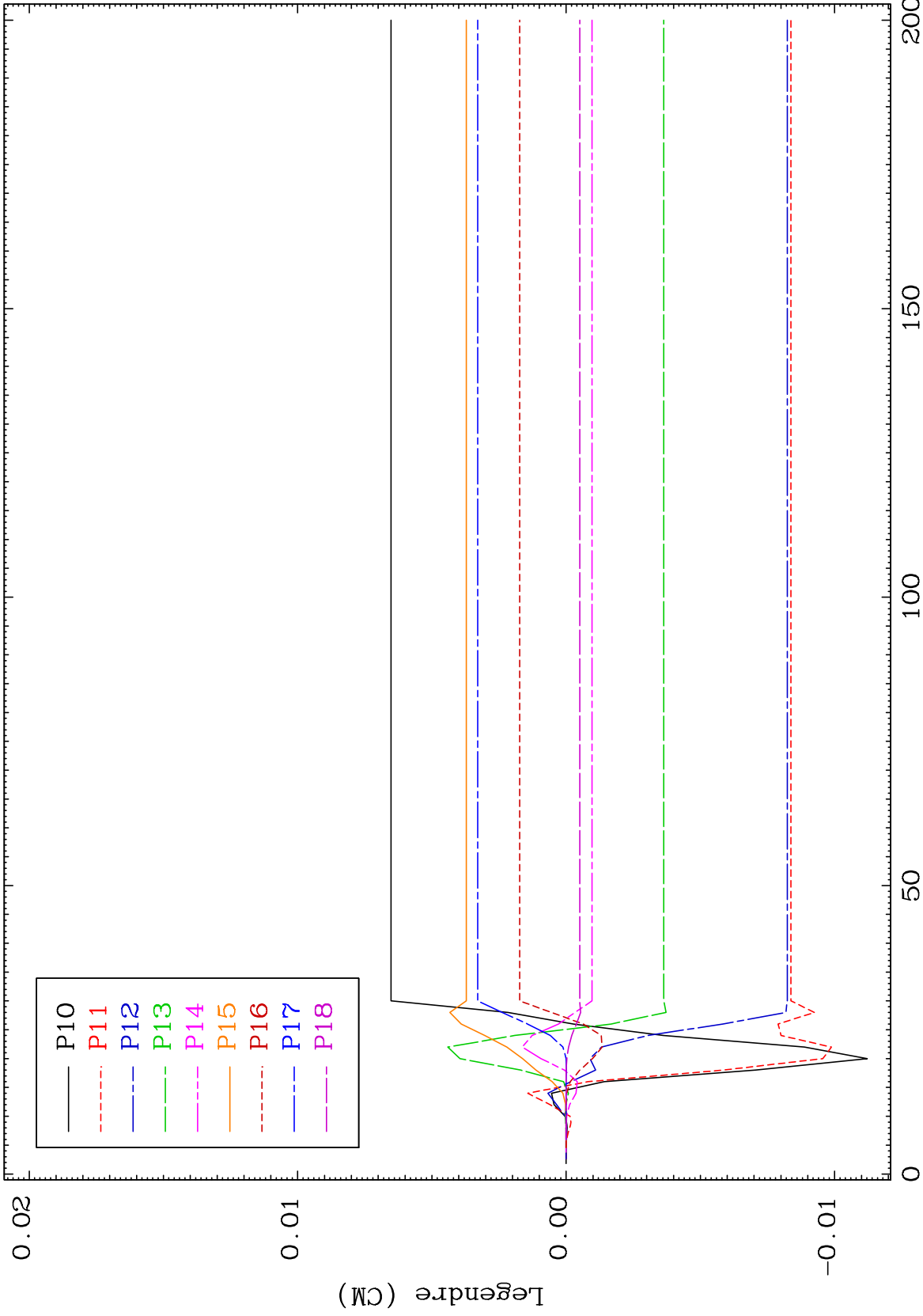
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



125

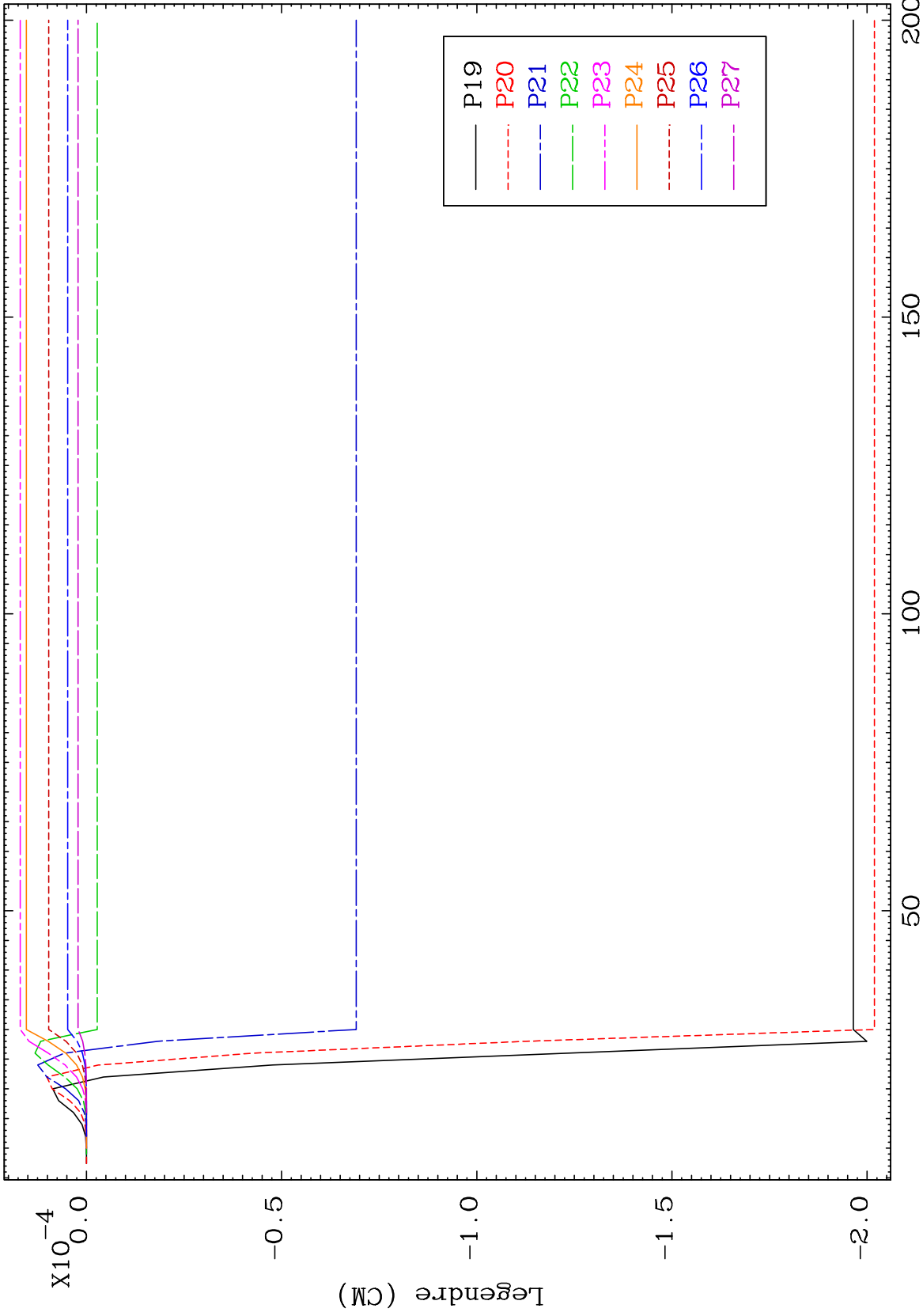
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



126

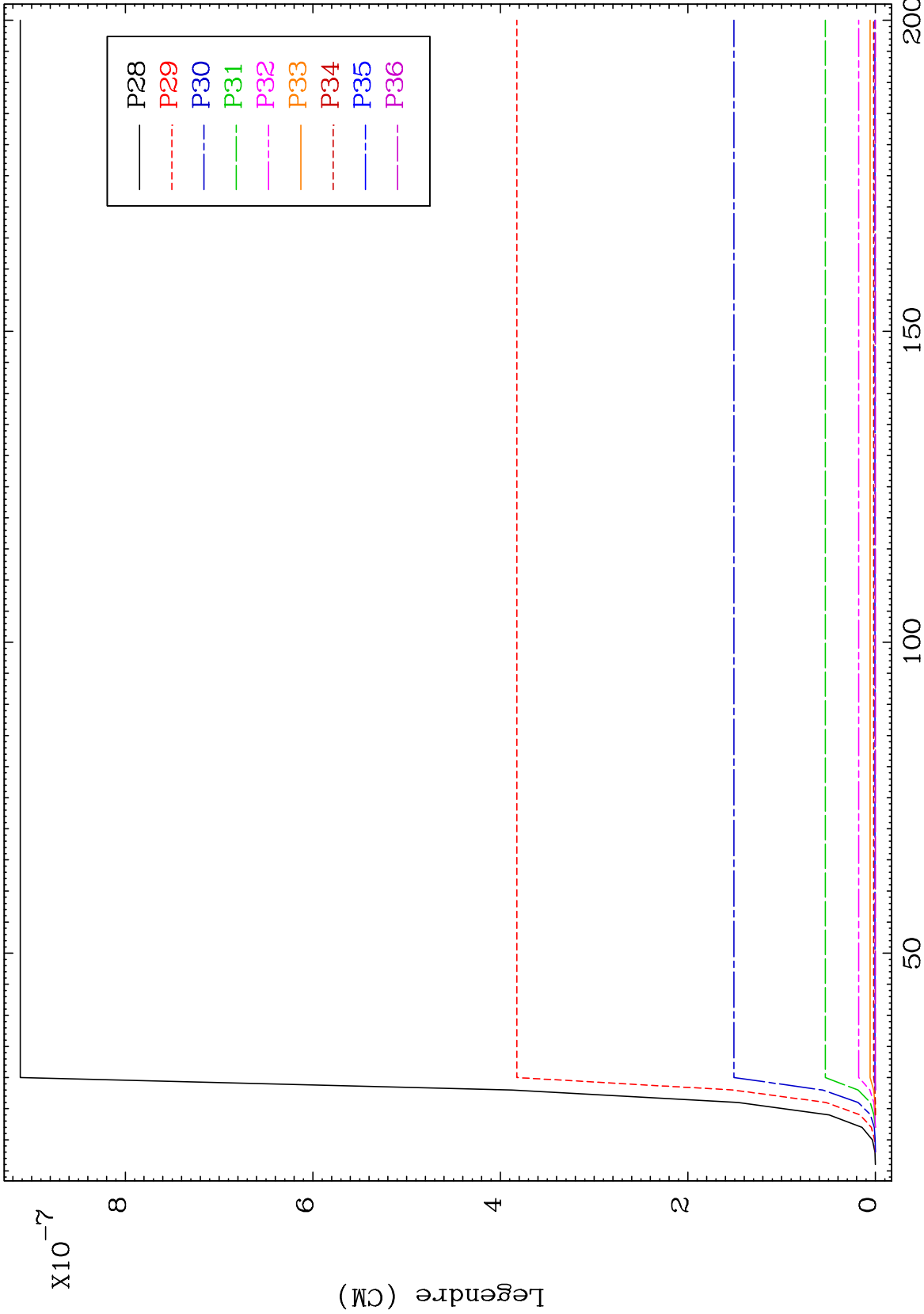
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



127

Incident Energy (MeV)

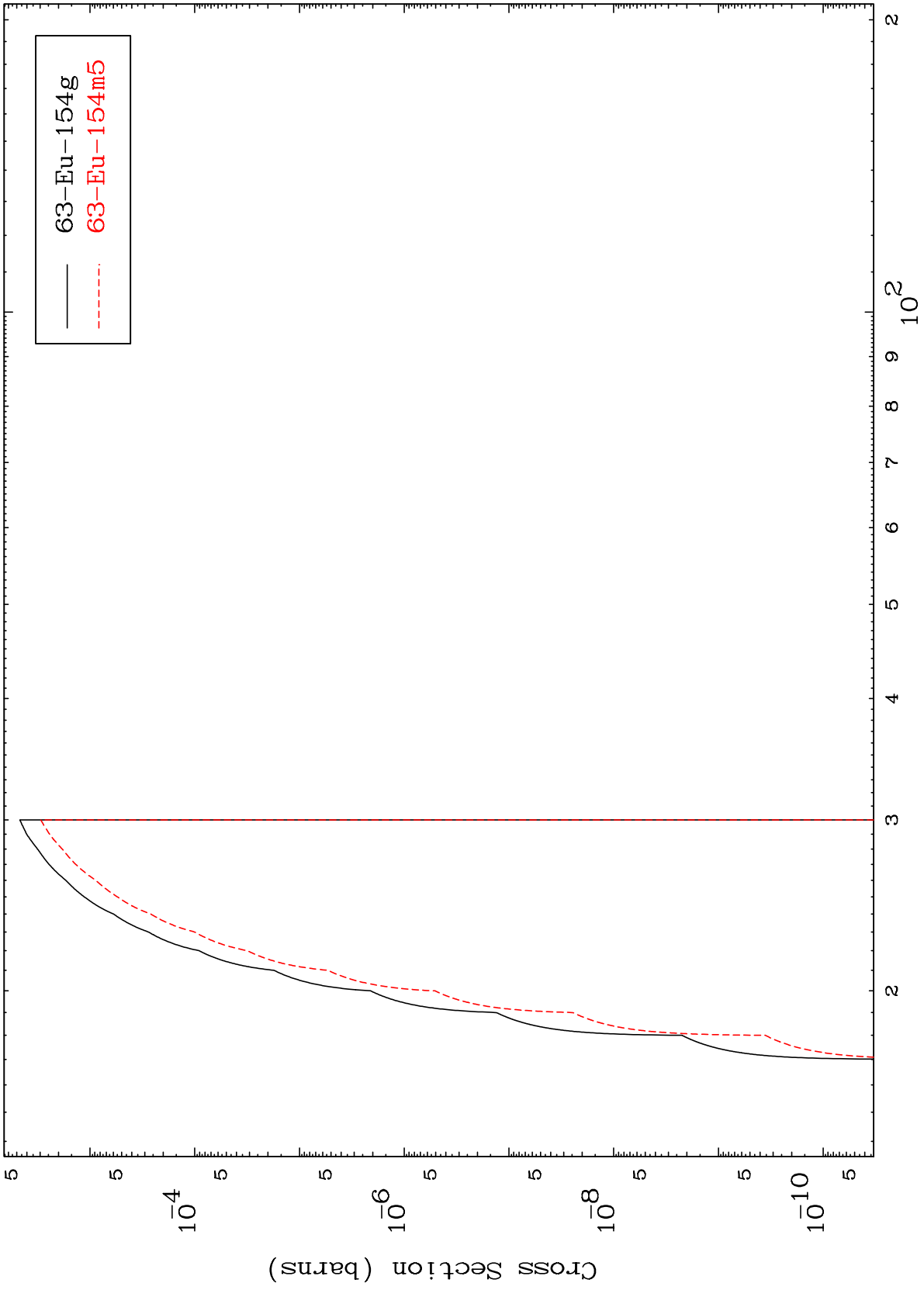
64-Gd-156

MAT 6437

(n,n') d

64-Gd-156

Radionuclide Production Cross Section



128

Incident Energy (MeV)

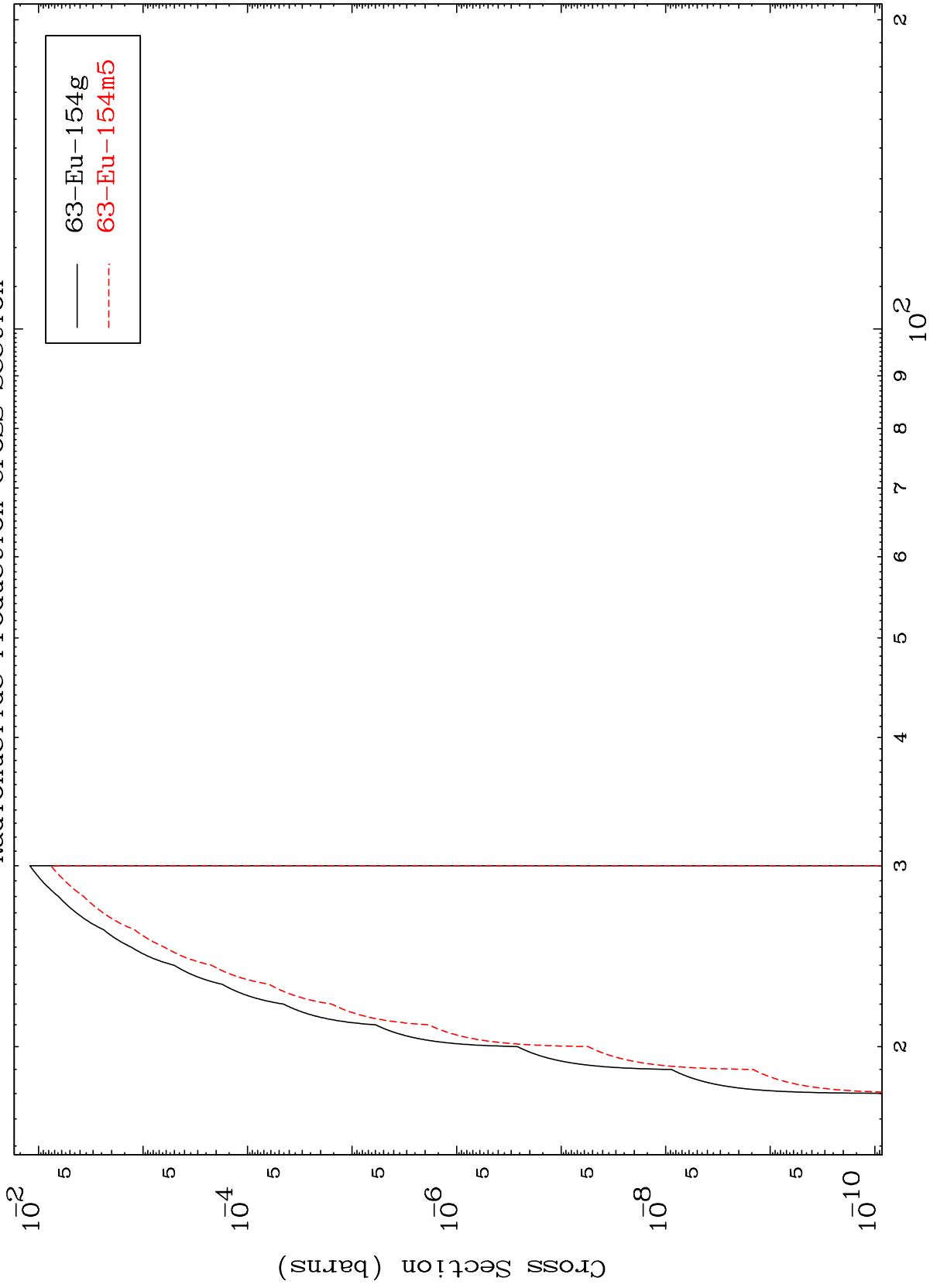
64-Gd-156

MAT 6437

(n,2n) p

64-Gd-156

Radionuclide Production Cross Section



129

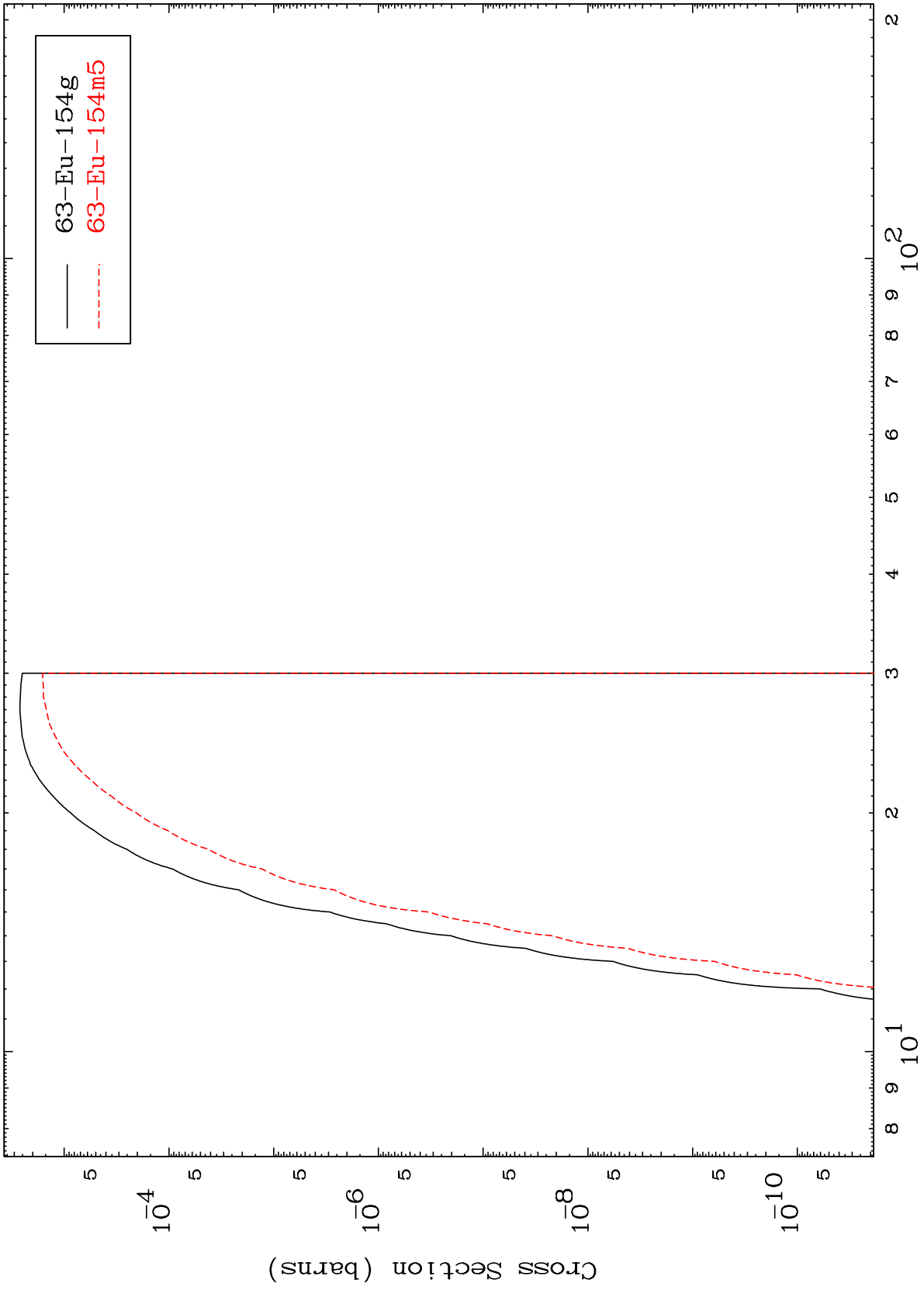
Incident Energy (MeV)

64-Gd-156

MAT 6437

64-Gd-156

(n, t)
Radionuclide Production Cross Section



130

Incident Energy (MeV)

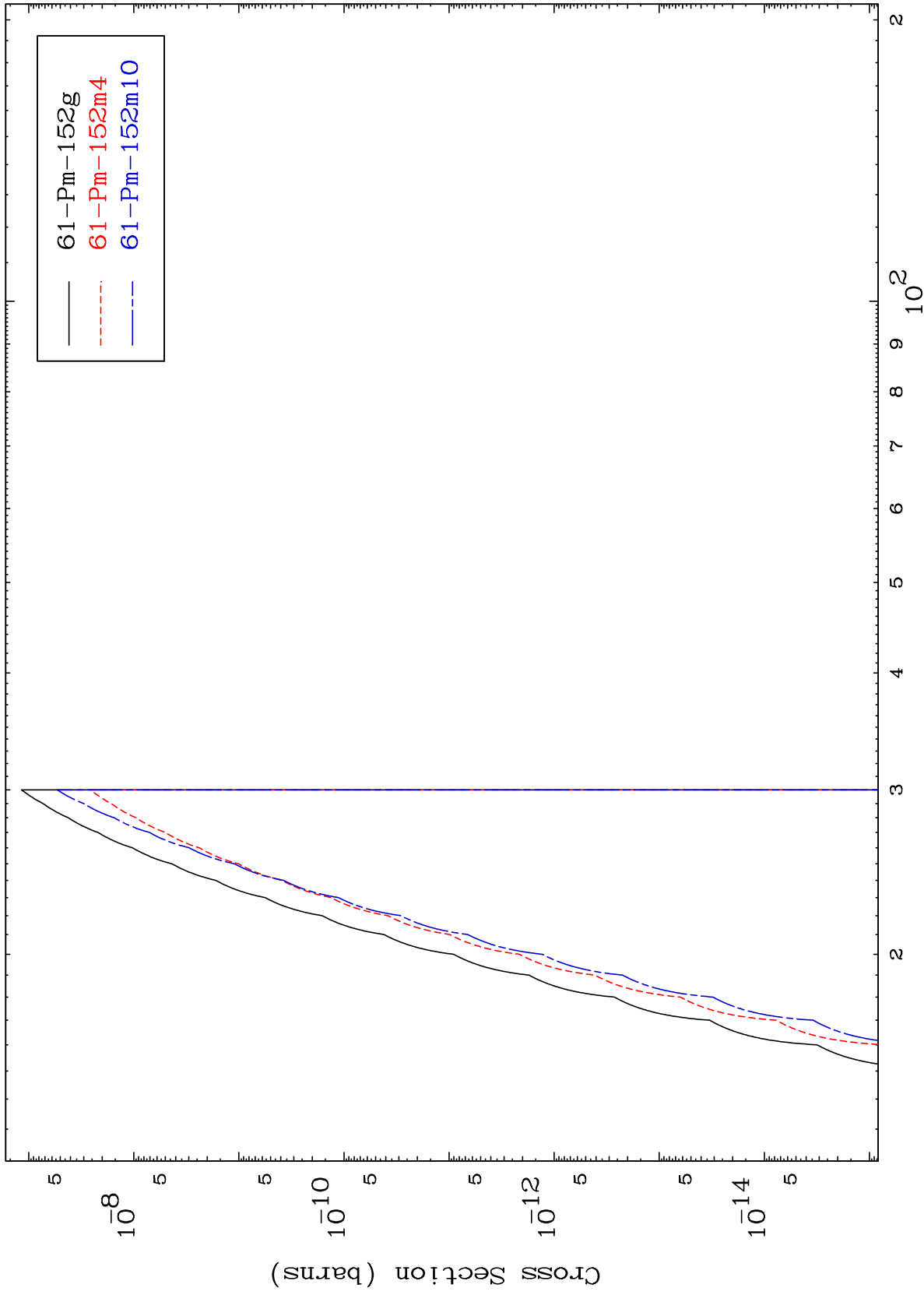
64-Gd-156

MAT 6437

(n,p) α

64-Gd-156

Radionuclide Production Cross Section



131

Incident Energy (MeV)

64-Gd-156