

Program EVALPLOT
(Version 2021-1)

by

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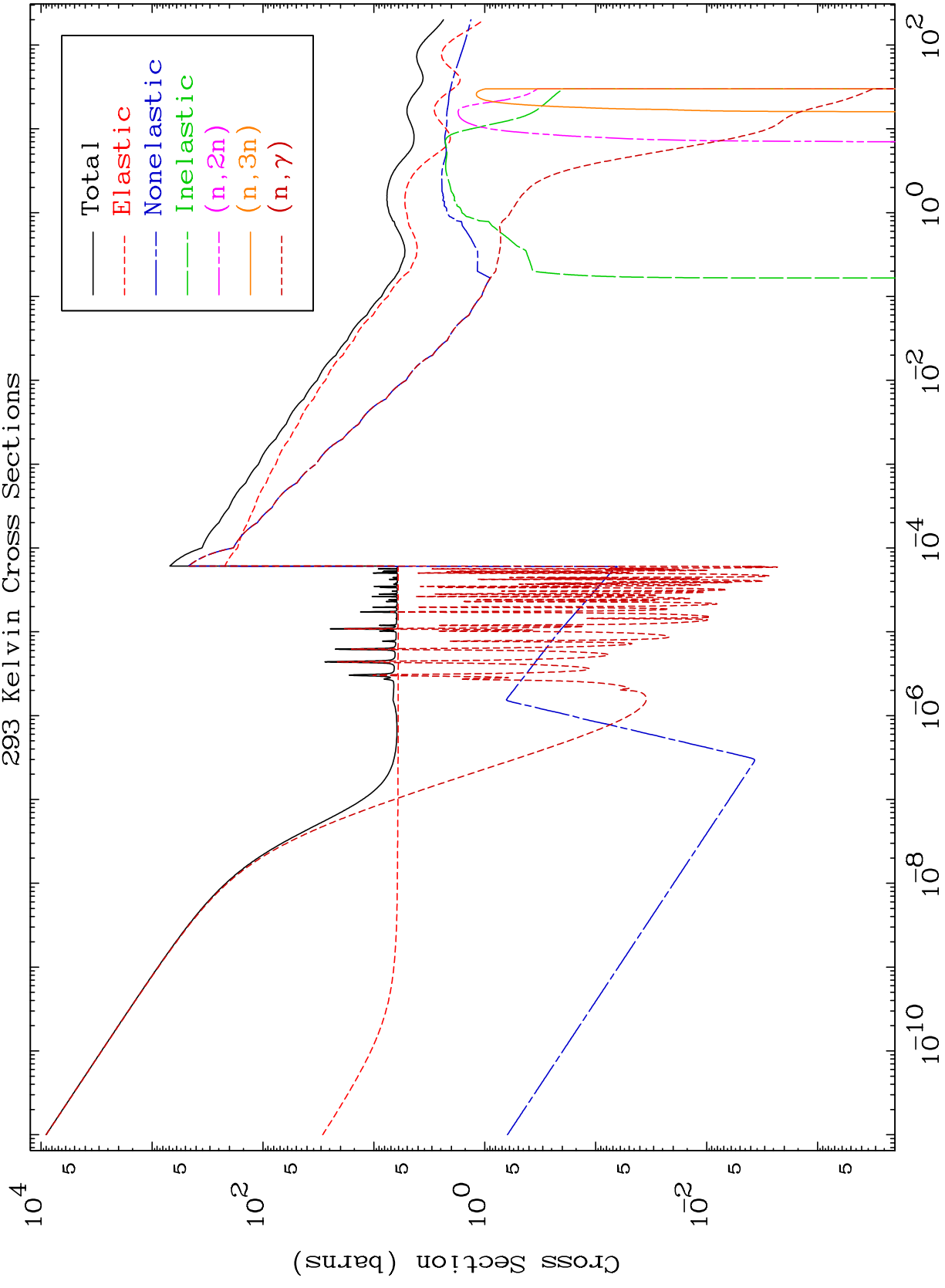
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6416

Neutron Major
293 Kelvin Cross Sections

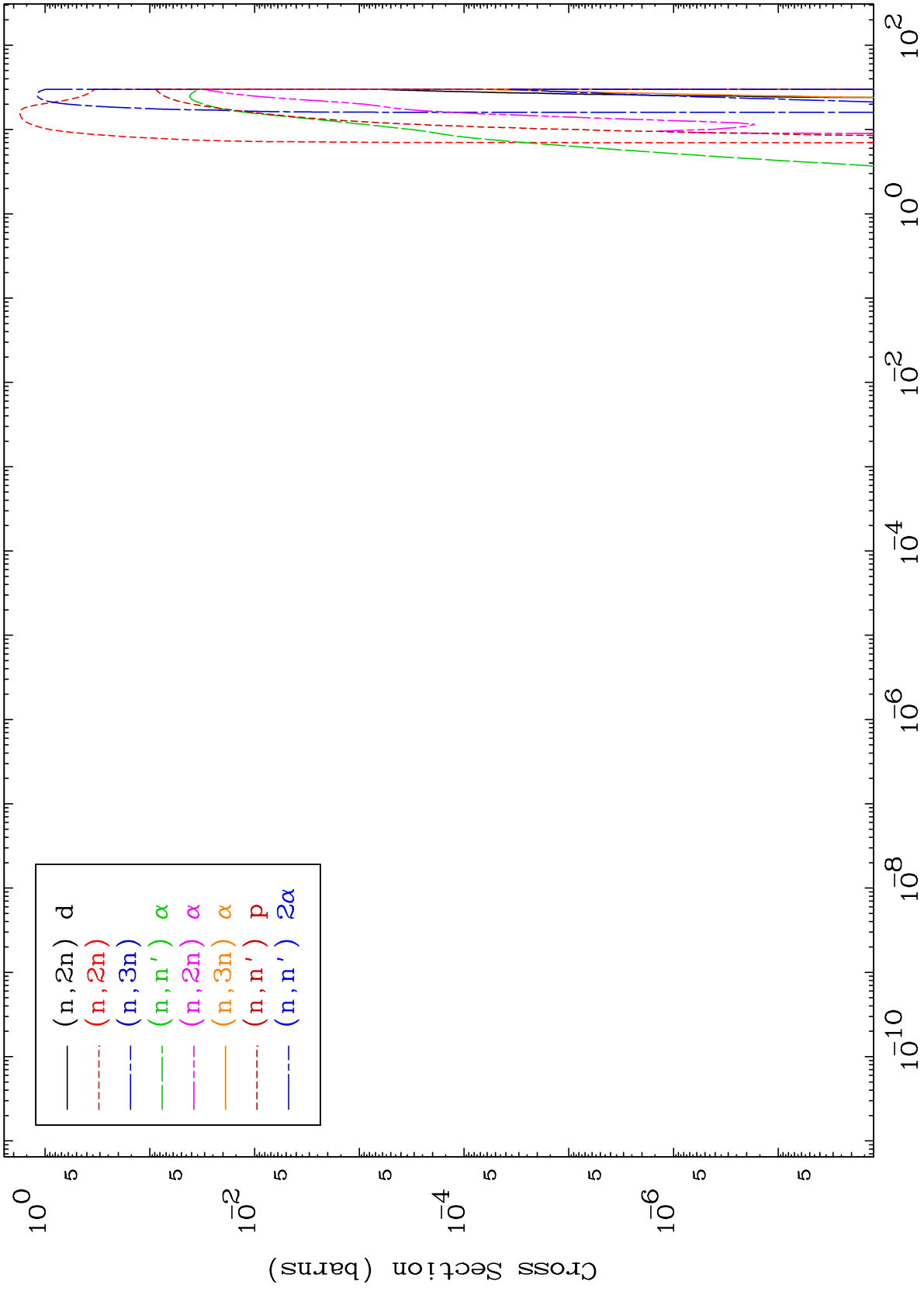
64-Gd-149



MAT 6416

Neutron Absorption
293 Kelvin Cross Sections

64-Gd-149

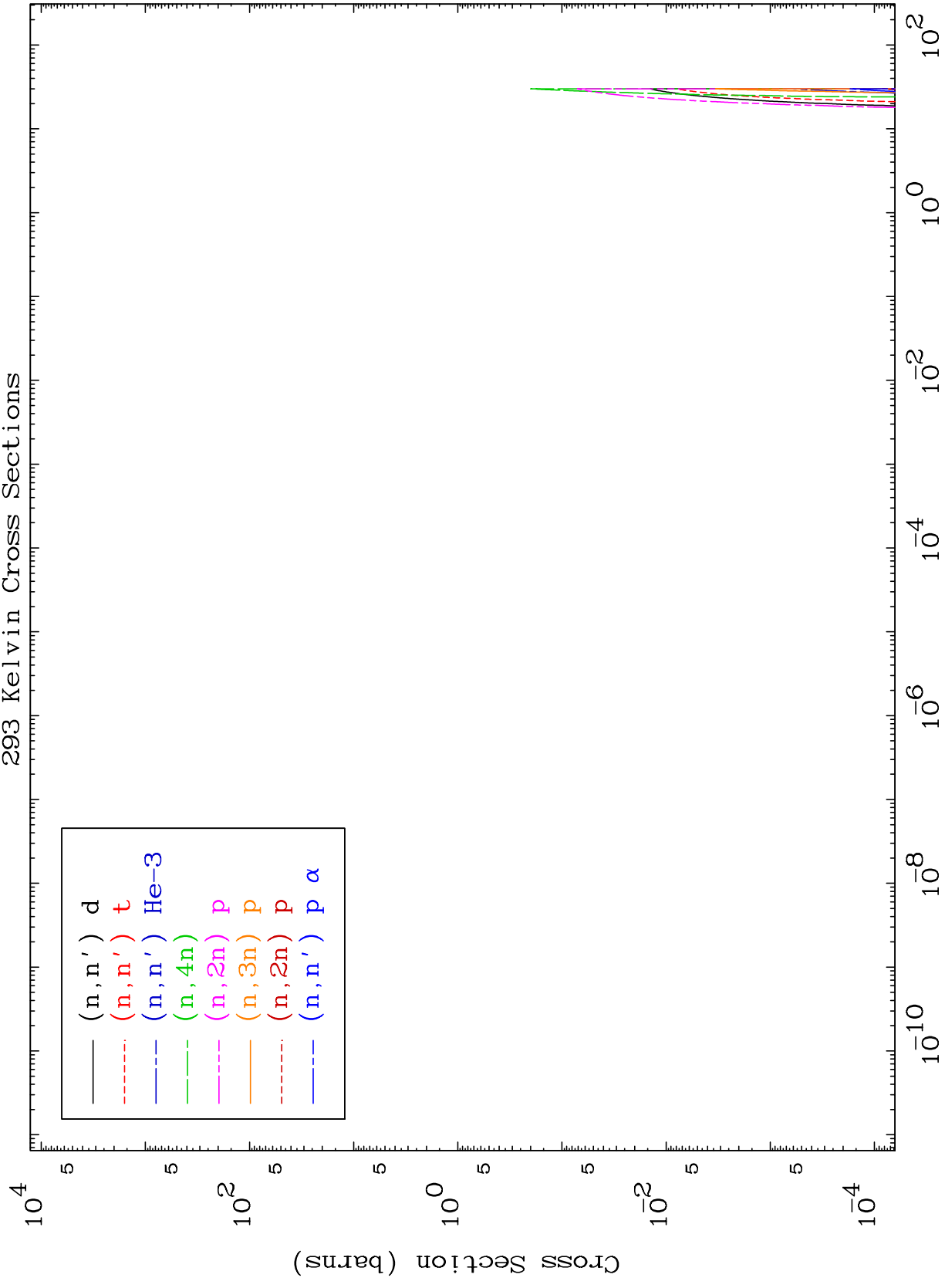


64-Gd-149

MAT 6416

Neutron Absorption
293 Kelvin Cross Sections

64-Gd-149



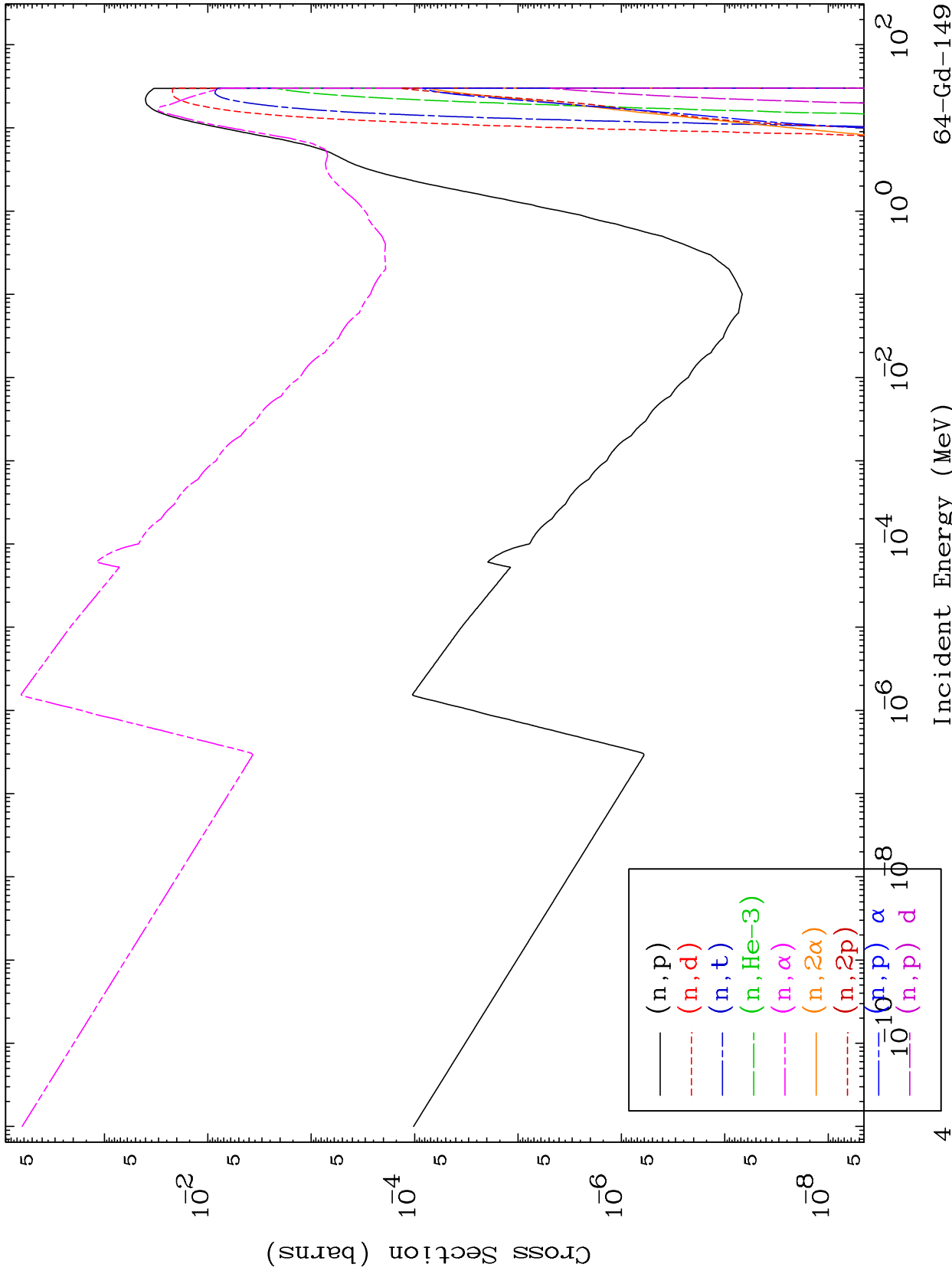
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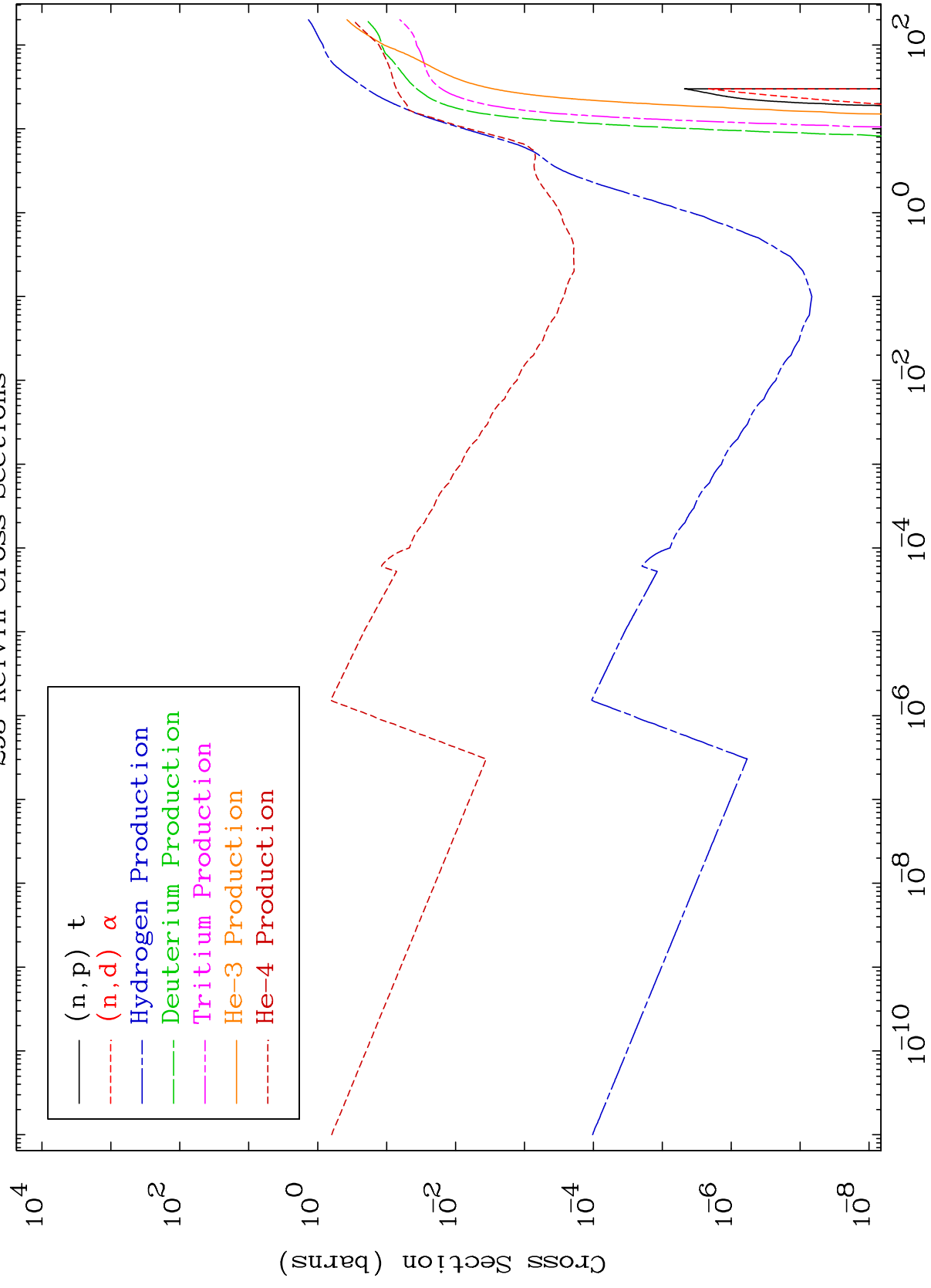
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MAT 6416

Neutron Absorption
293 Kelvin Cross Sections

64-Gd-149

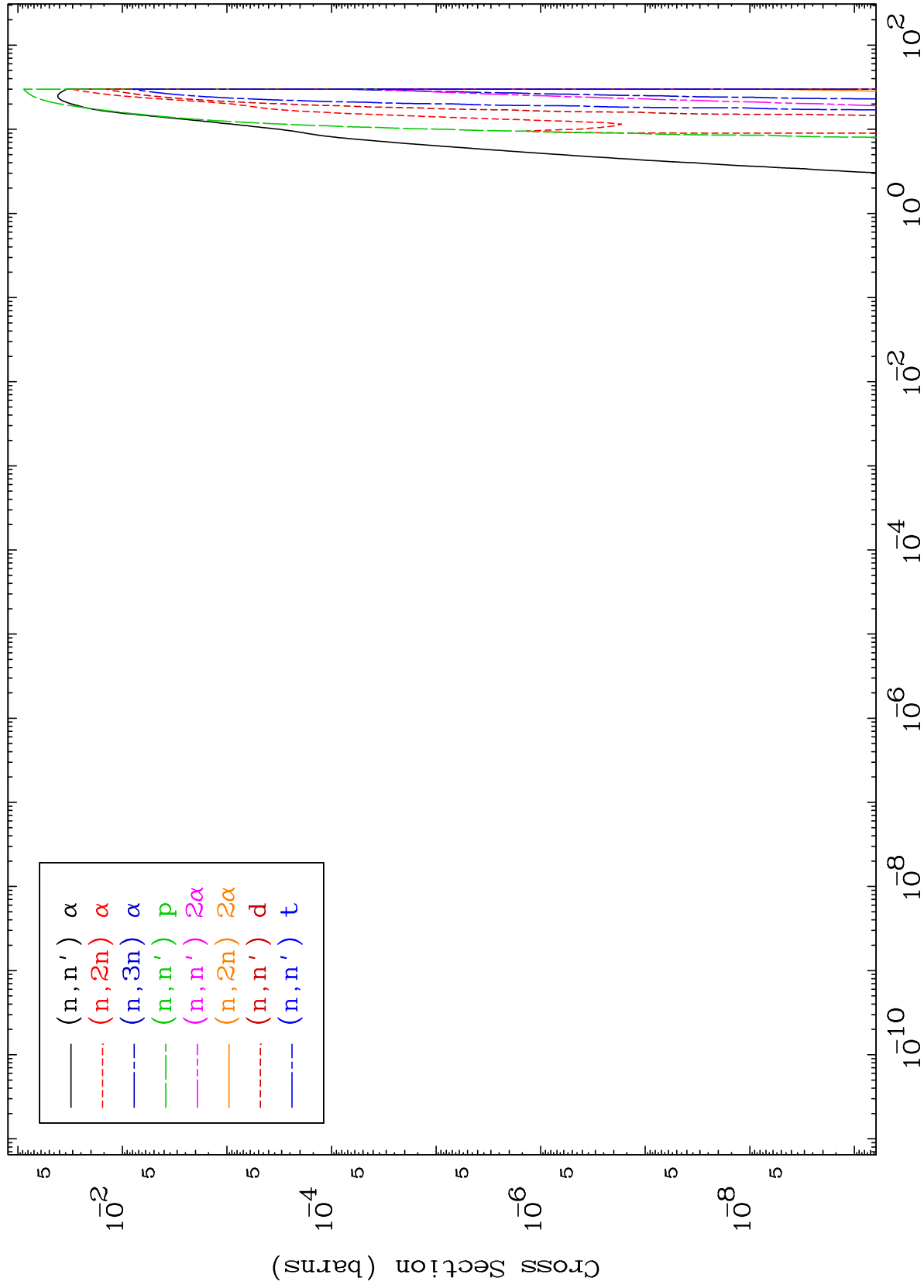




MAT 6416

293 Charged Particle
Kelvin Cross Sections

64-Gd-149



6

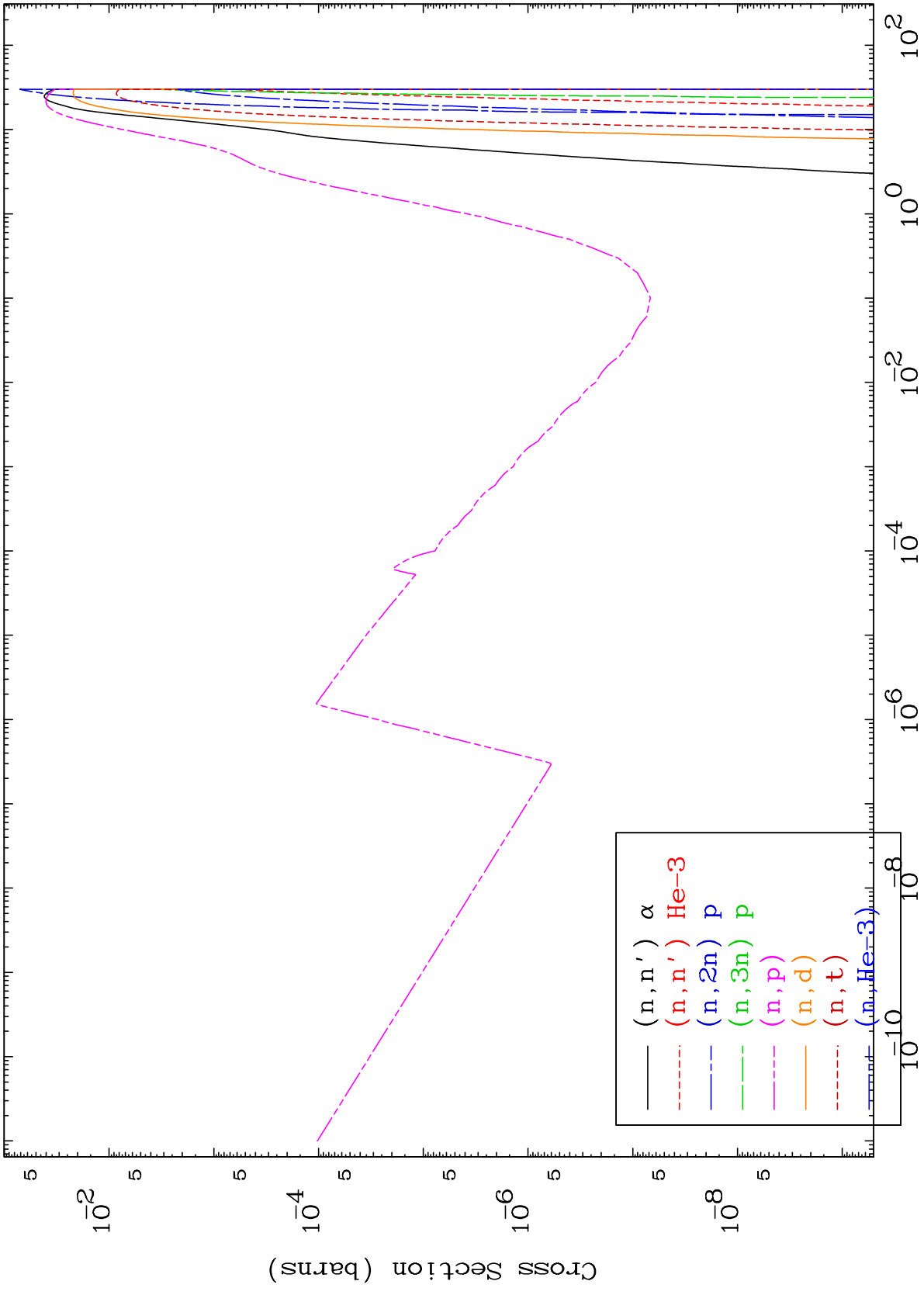
Incident Energy (MeV)

64-Gd-149

MAT 6416

Charged Particle
293 Kelvin Cross Sections

64-Gd-149

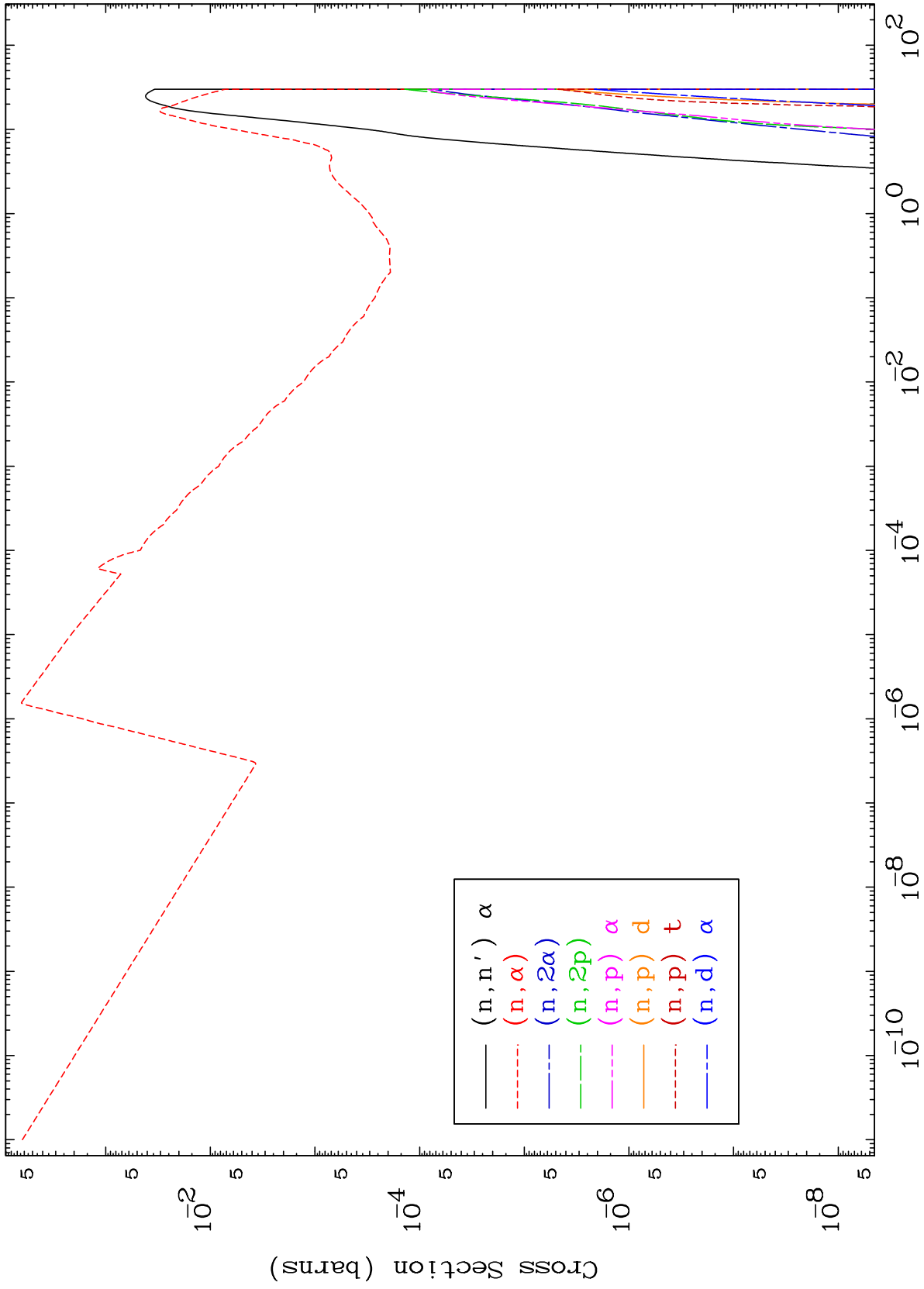


64-Gd-149

MAT 6416

Charged Particle
293 Kelvin Cross Sections

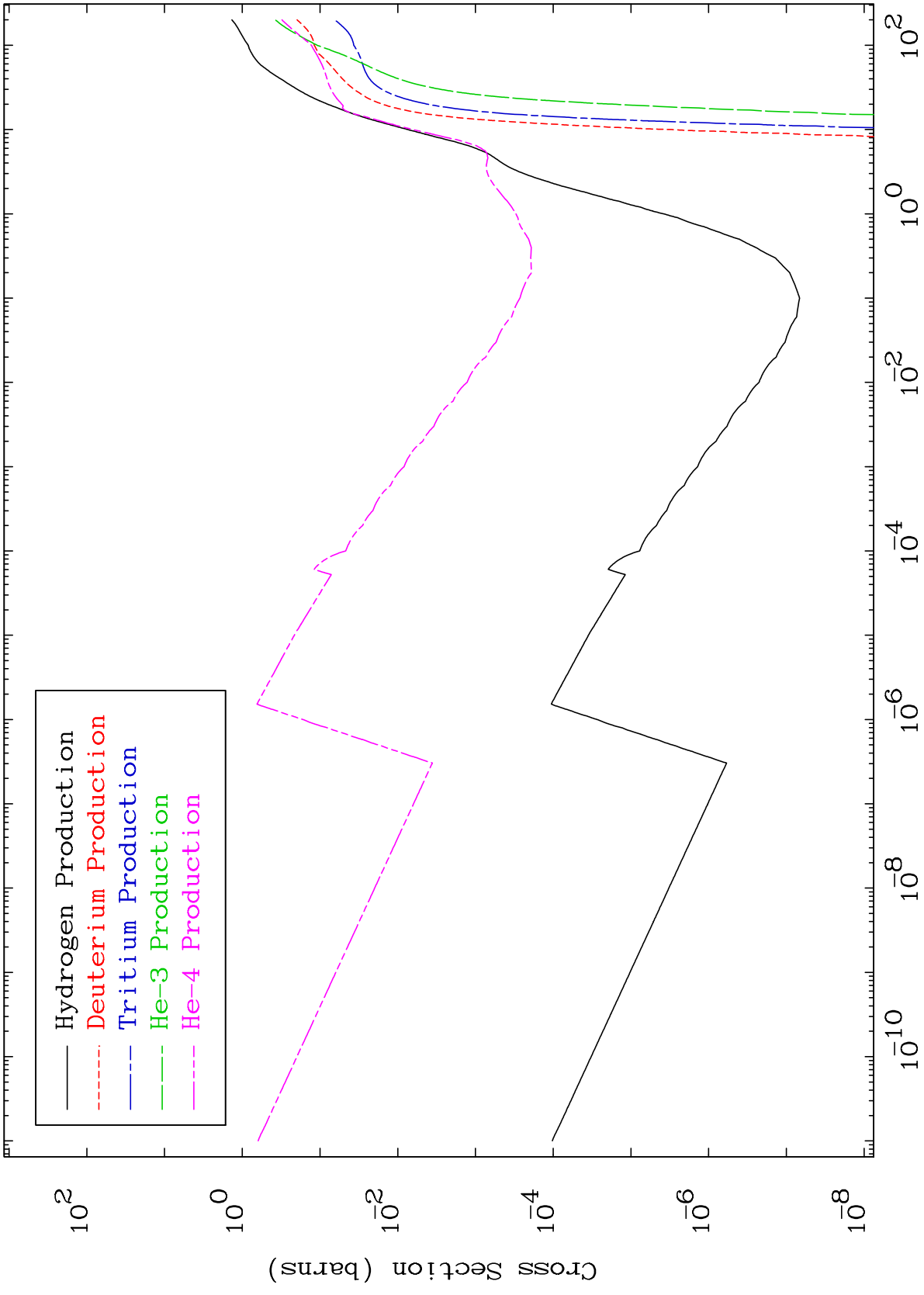
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MAT 6416

Particle Production
293 Kelvin Cross Sections

64-Gd-149

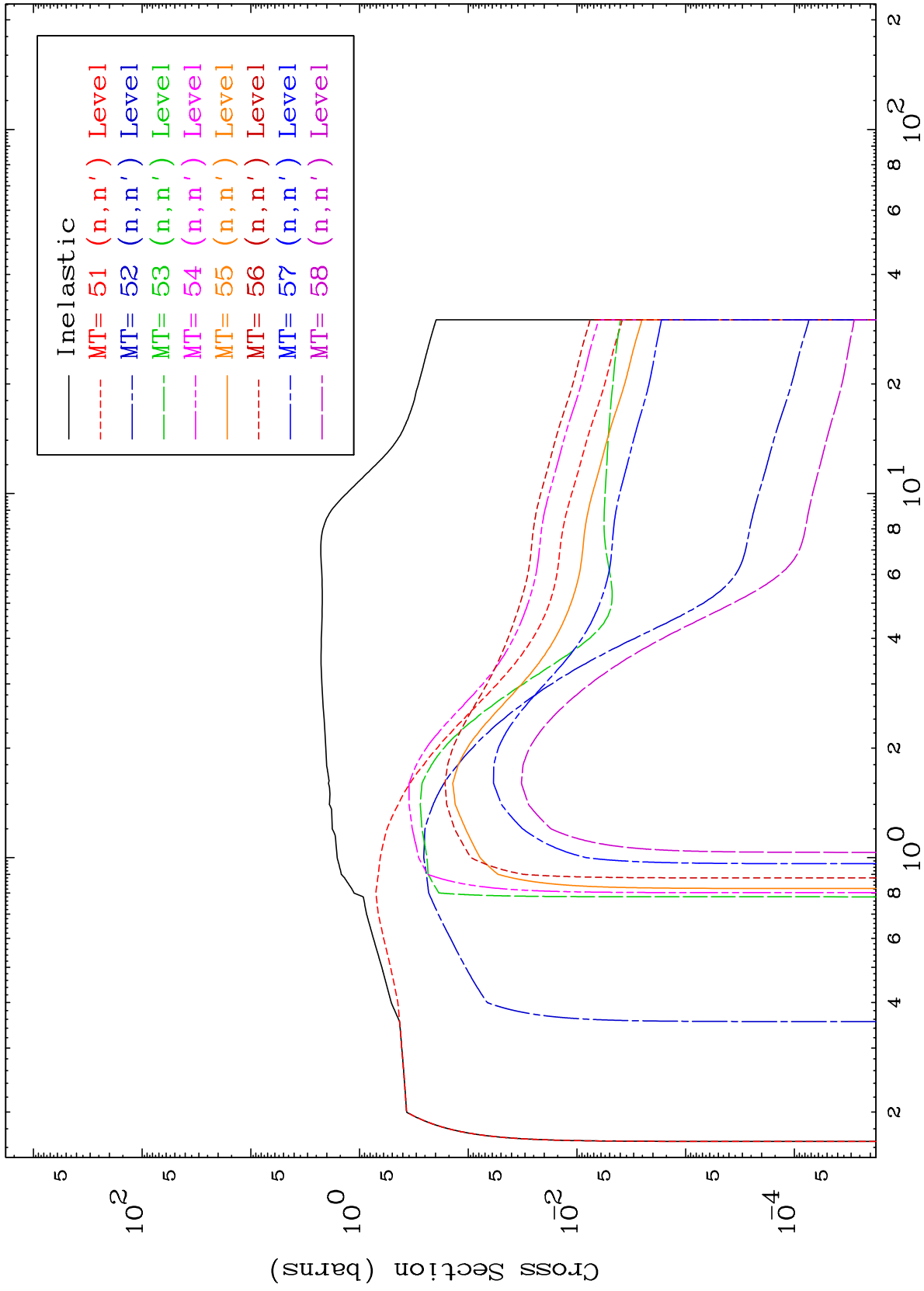


MAT 6416

(n,n') Levels

64-Gd-149

293 Kelvin Cross Sections



10

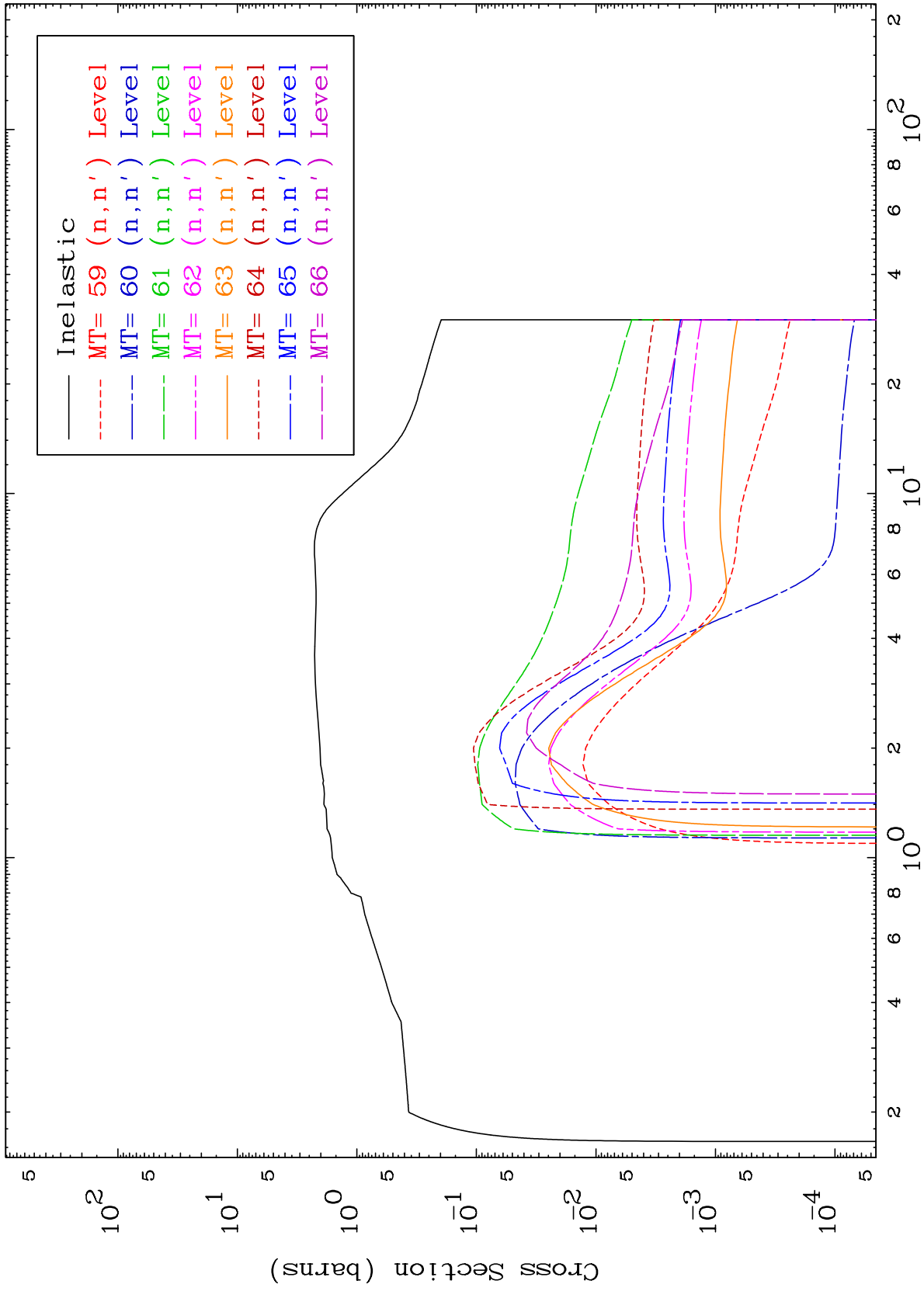
Incident Energy (MeV)

64-Gd-149

MAT 6416

(n,n') Levels
293 Kelvin Cross Sections

64-Gd-149



11

Incident Energy (MeV)

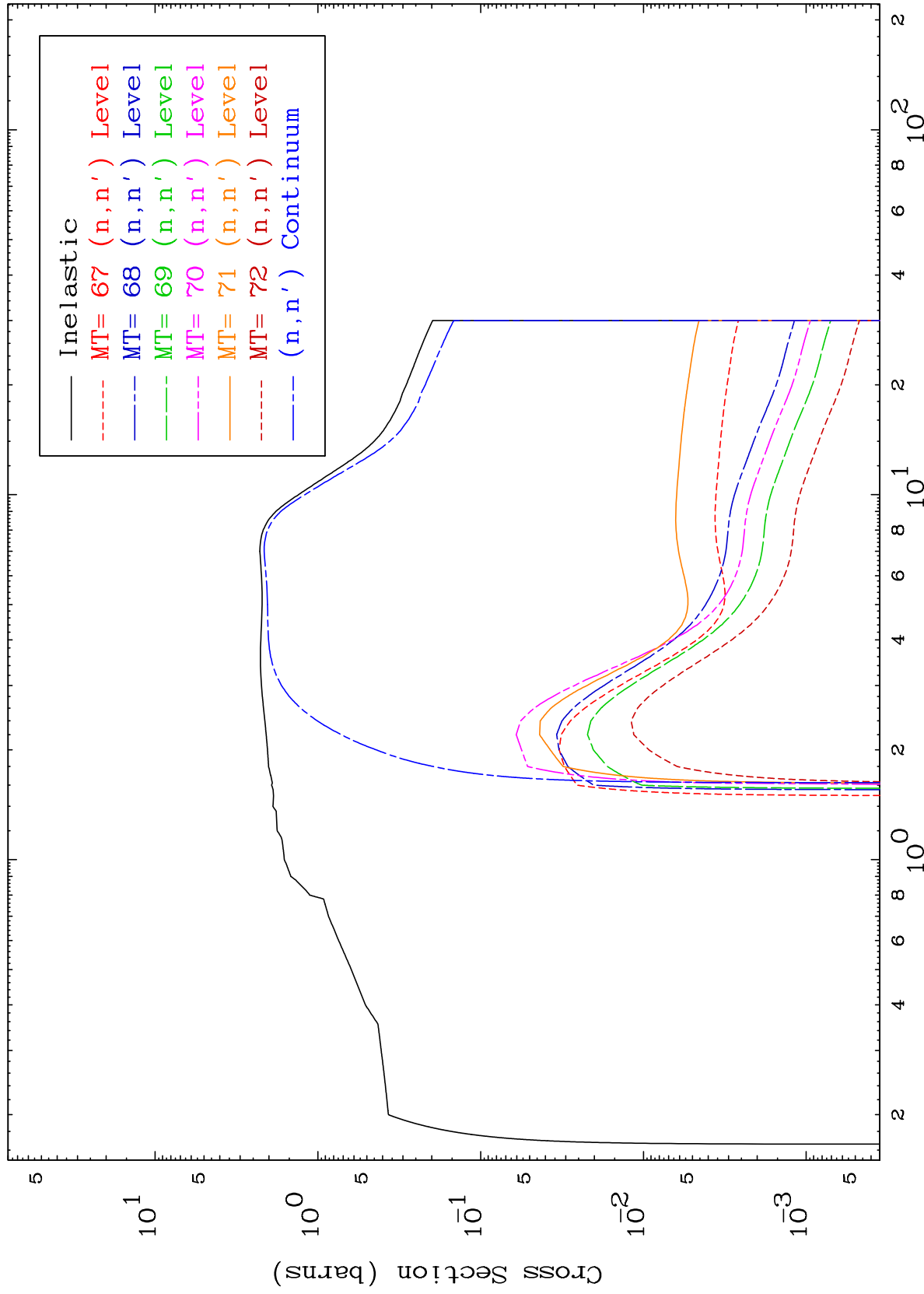
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MAT 6416

(n,n') Levels

64-Gd-149

293 Kelvin Cross Sections



12

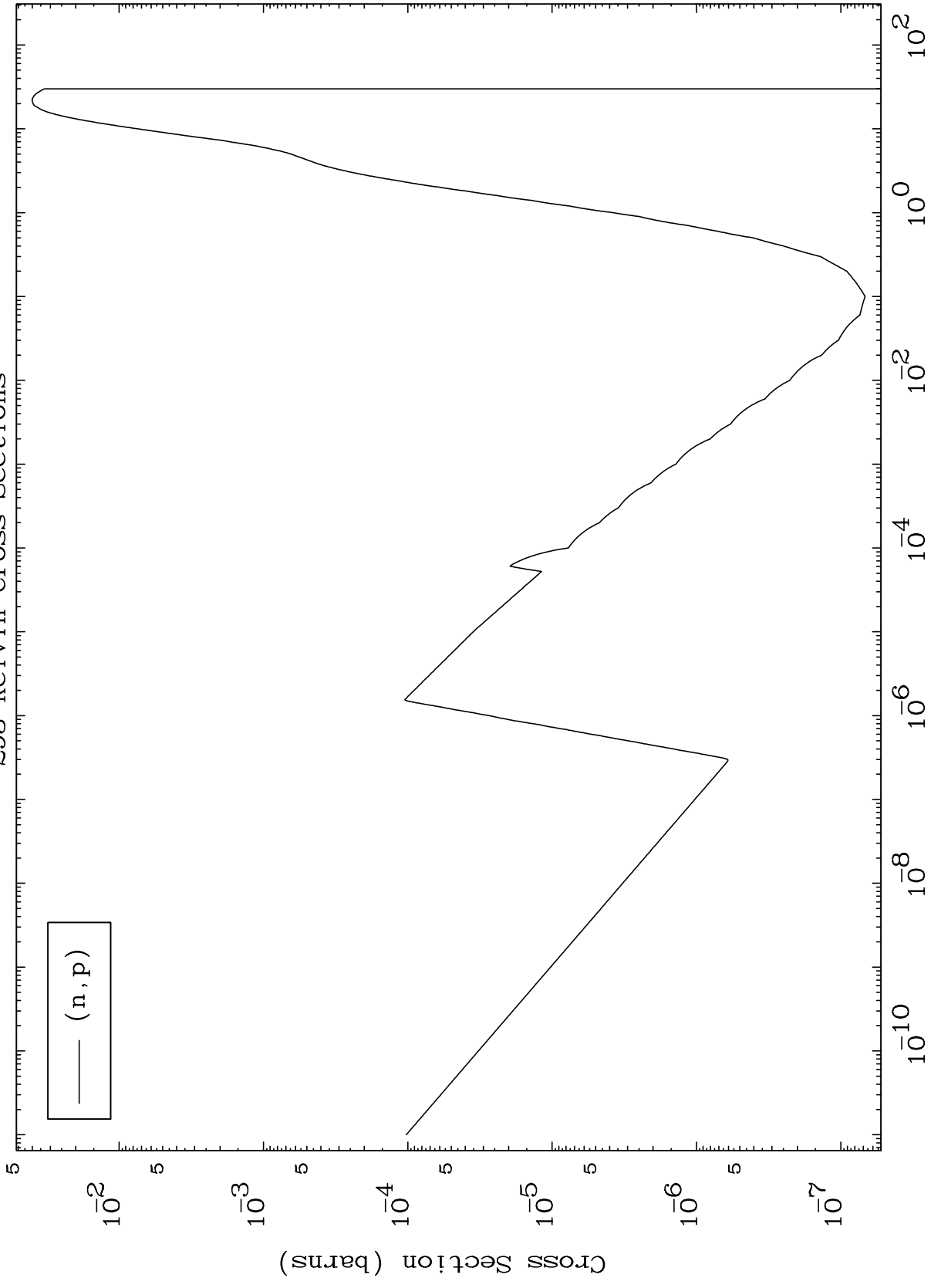
Incident Energy (MeV)

64-Gd-149

MAT 6416

(n,p) Levels
293 Kelvin Cross Sections

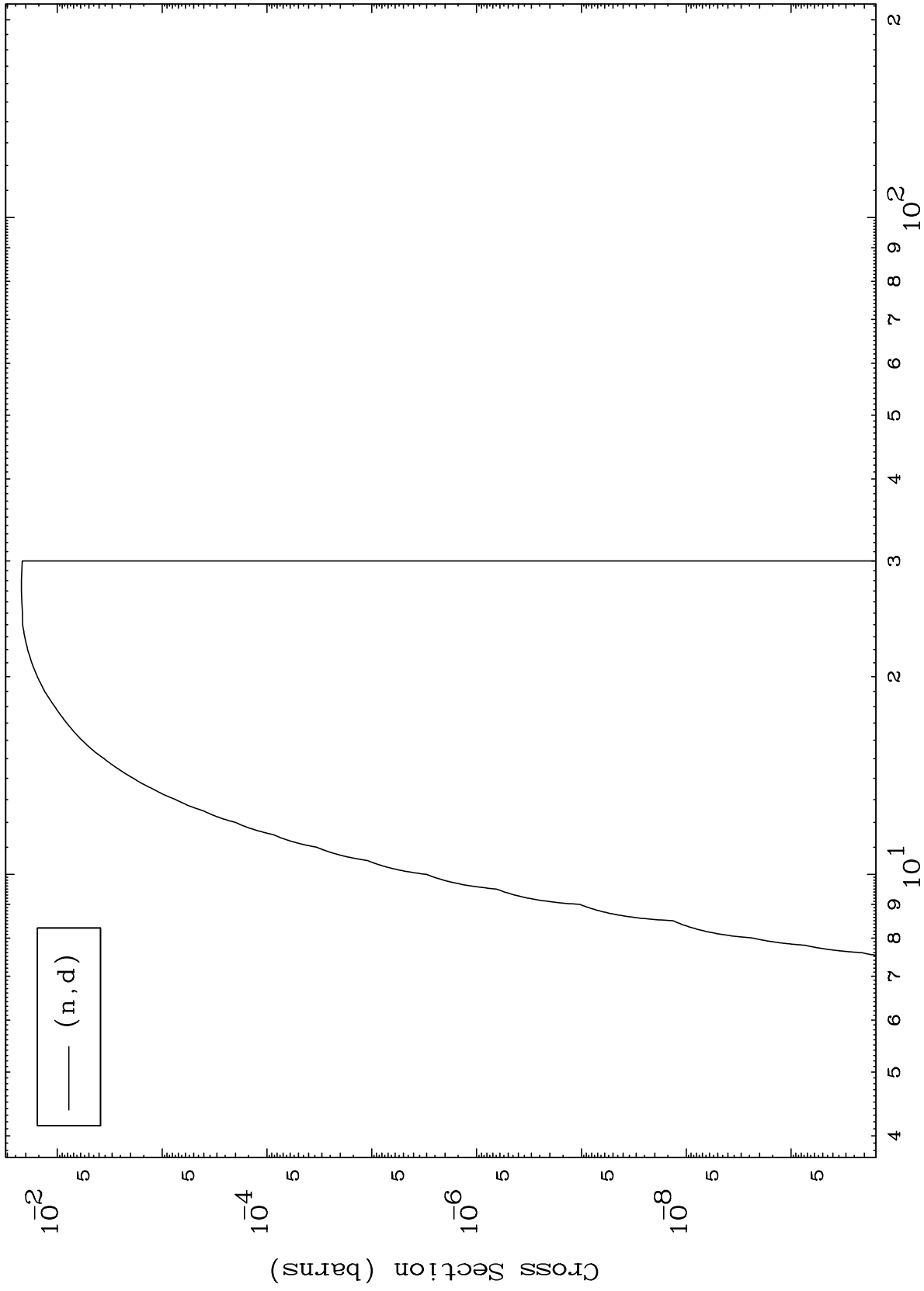
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MAT 6416

(n,d) Levels
293 Kelvin Cross Sections

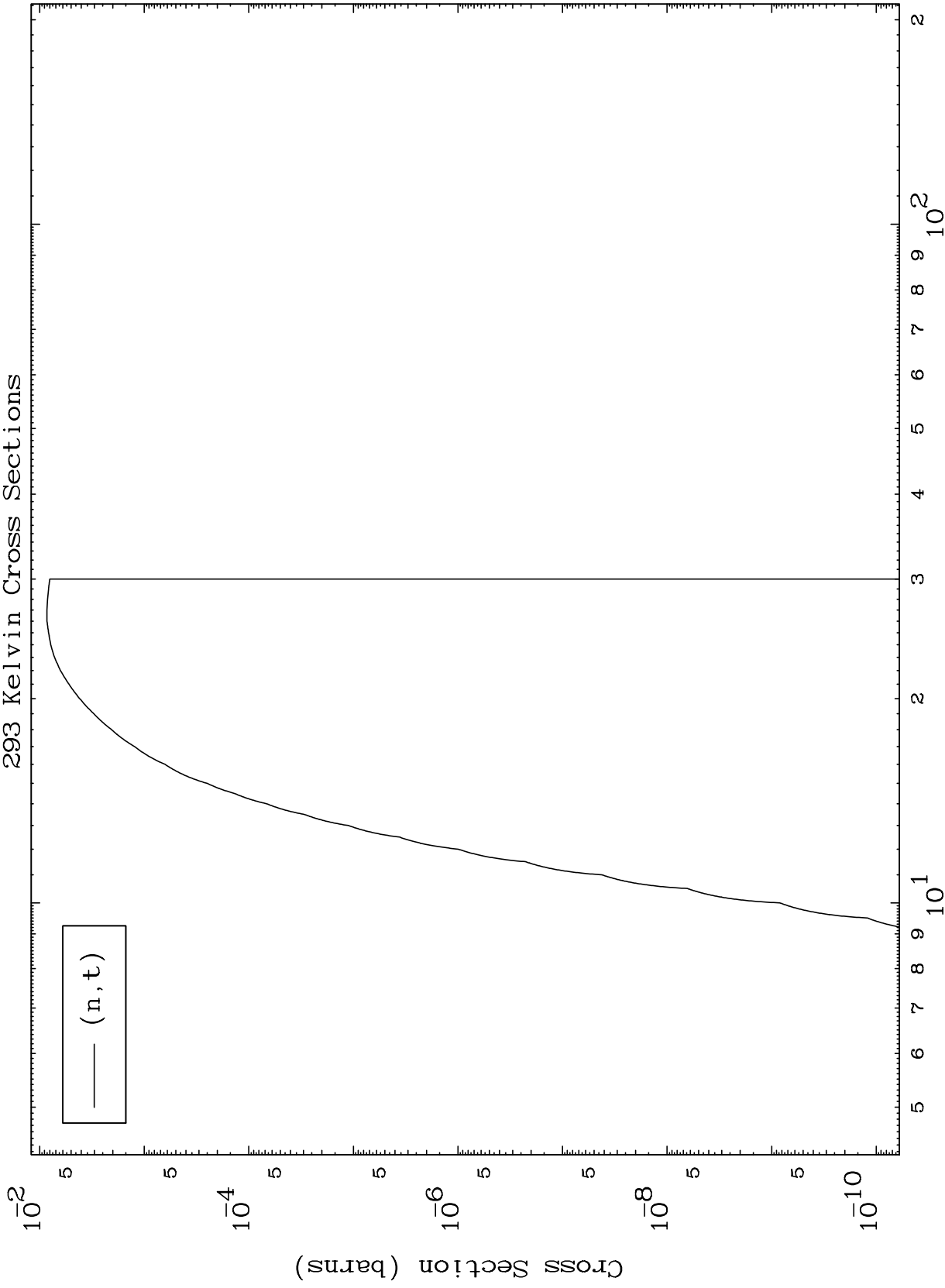
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MAT 6416

64-Gd-149

(n,t) Levels
293 Kelvin Cross Sections



15

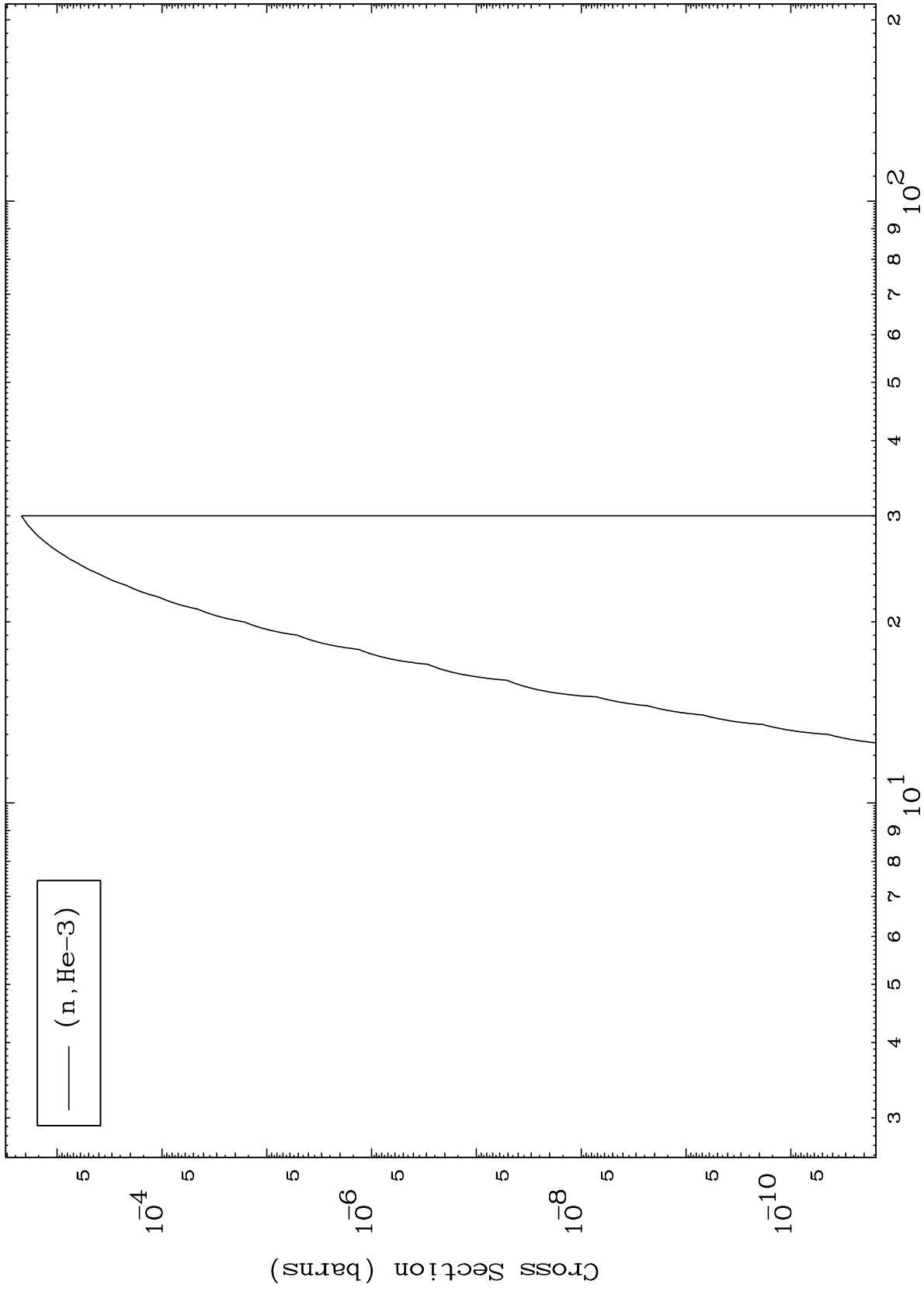
Incident Energy (MeV)

64-Gd-149

MAT 6416

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-149



16

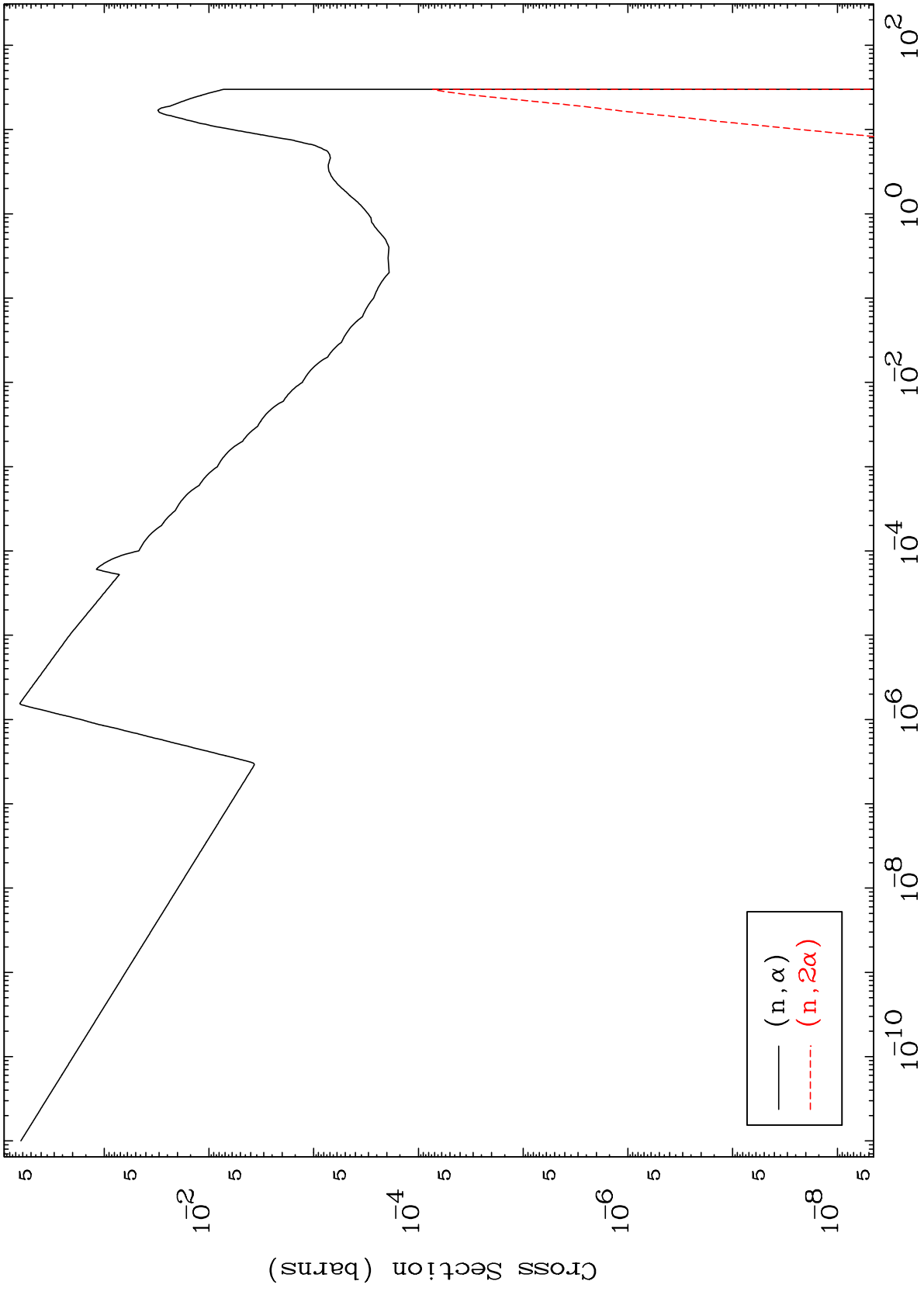
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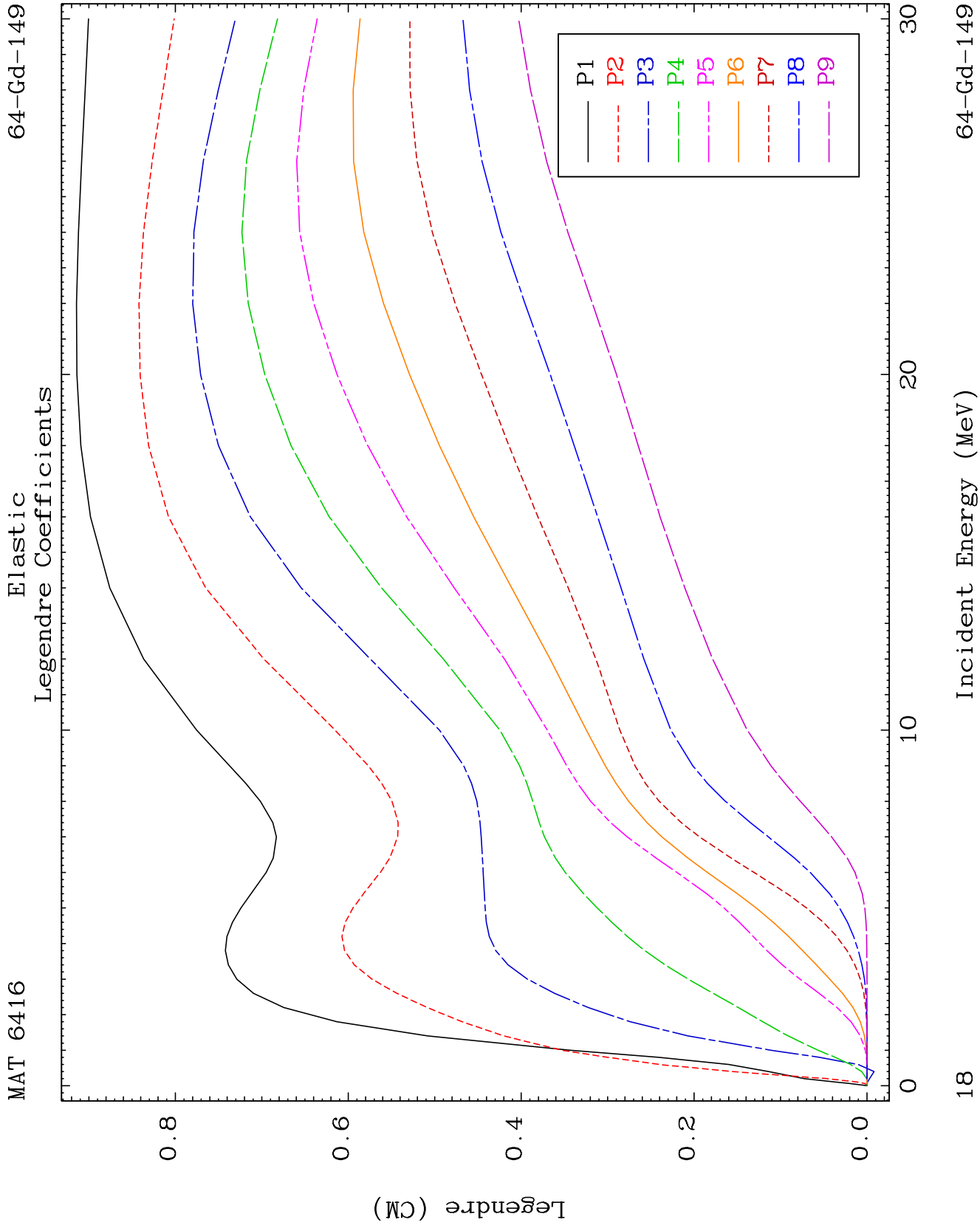
64-Gd-149

MAT 6416

(n,α) Levels
293 Kelvin Cross Sections

64-Gd-149

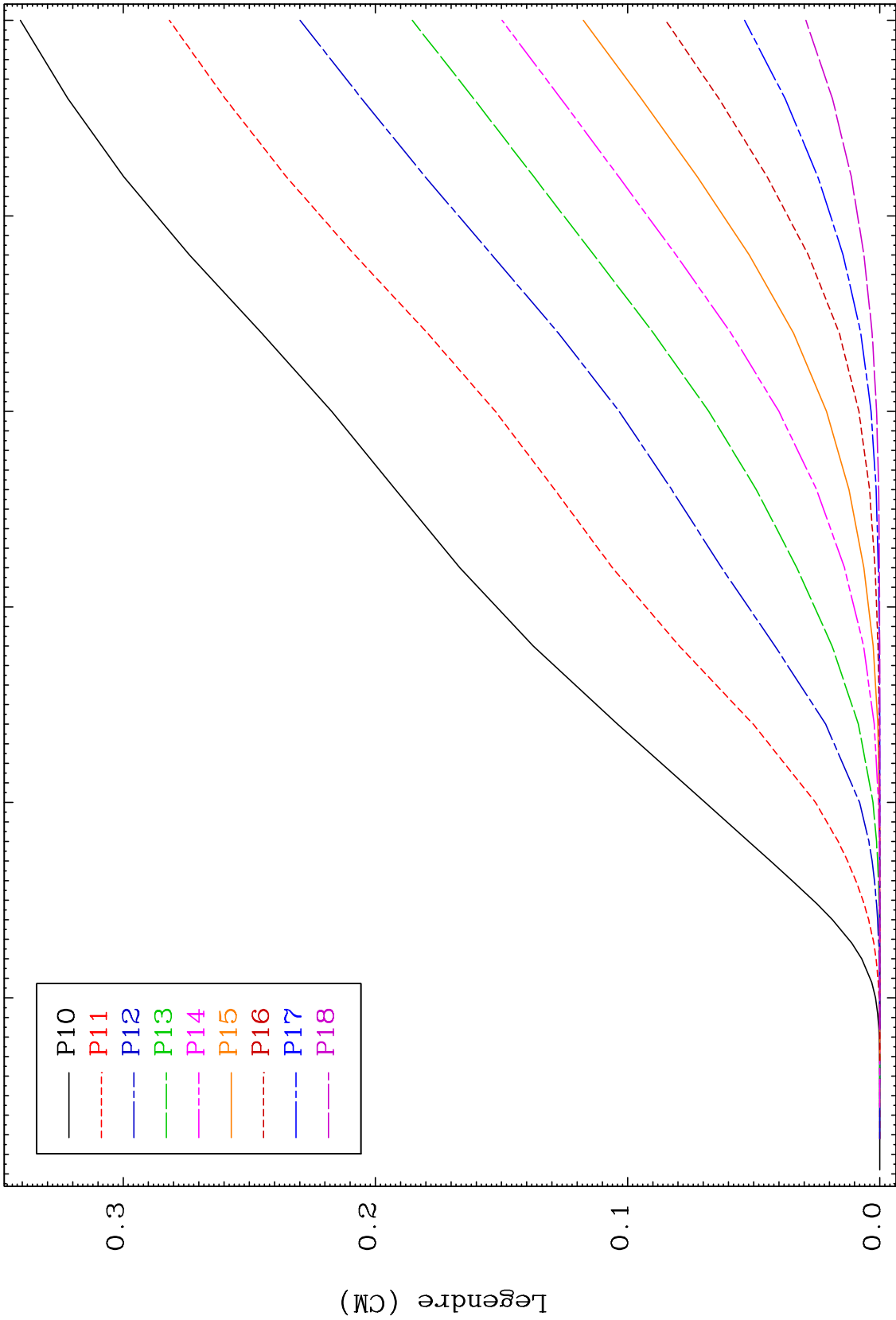




MAT 6416

Elastic Legendre Coefficients

64-Gd-149



19

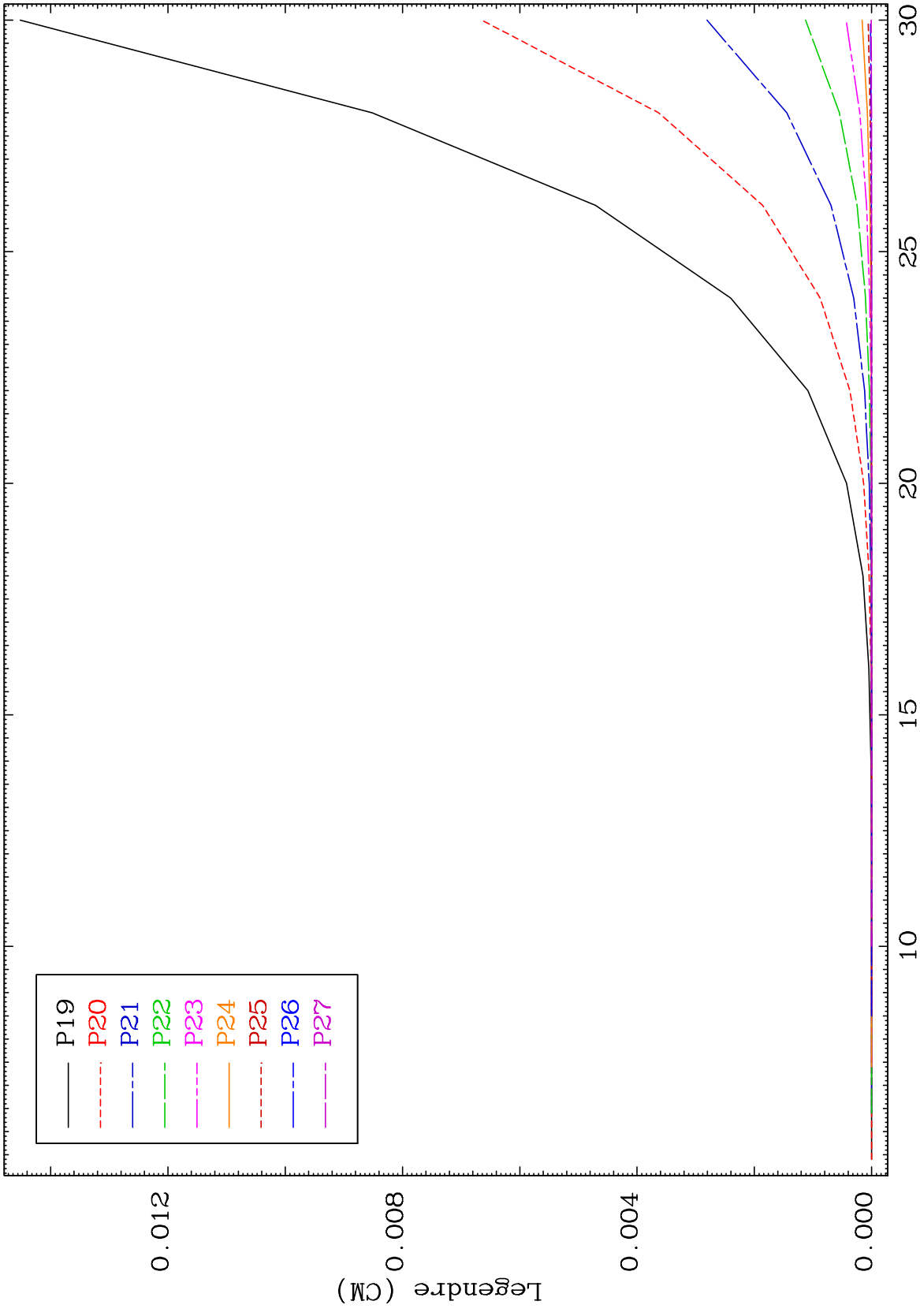
Incident Energy (MeV)

64-Gd-149

MAT 6416

Elastic Legendre Coefficients

64-Gd-149



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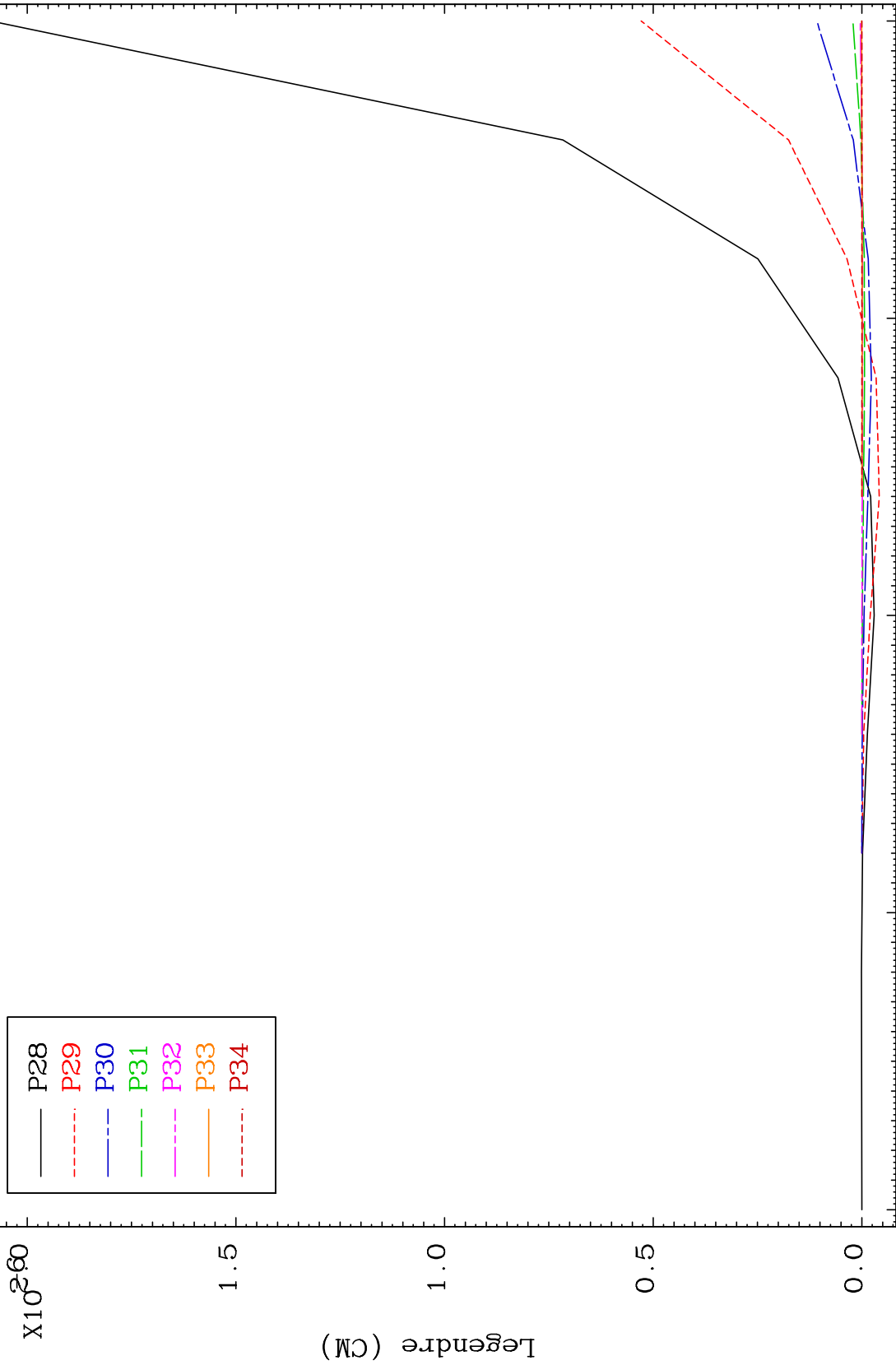
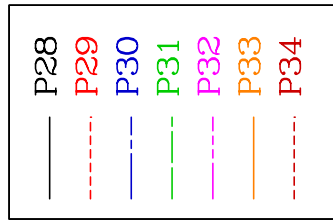
Incident Energy (MeV)

64-Gd-149

MAT 6416

Elastic Legendre Coefficients

64-Gd-149

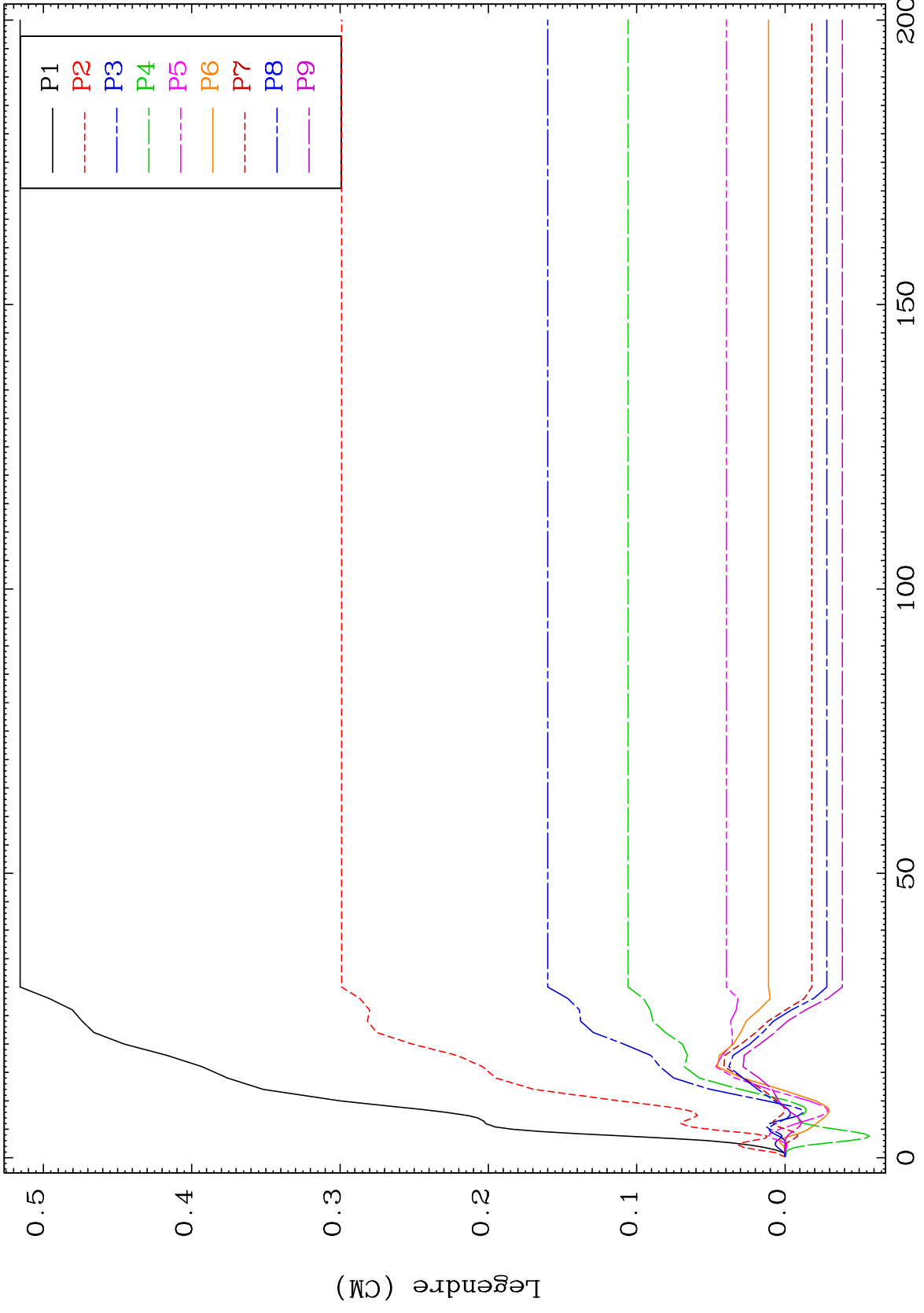


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Incident Energy (MeV)

64-Gd-149

MAT 6416 MT= 51 (n,n') Level Legendre Coefficients 64-Gd-149

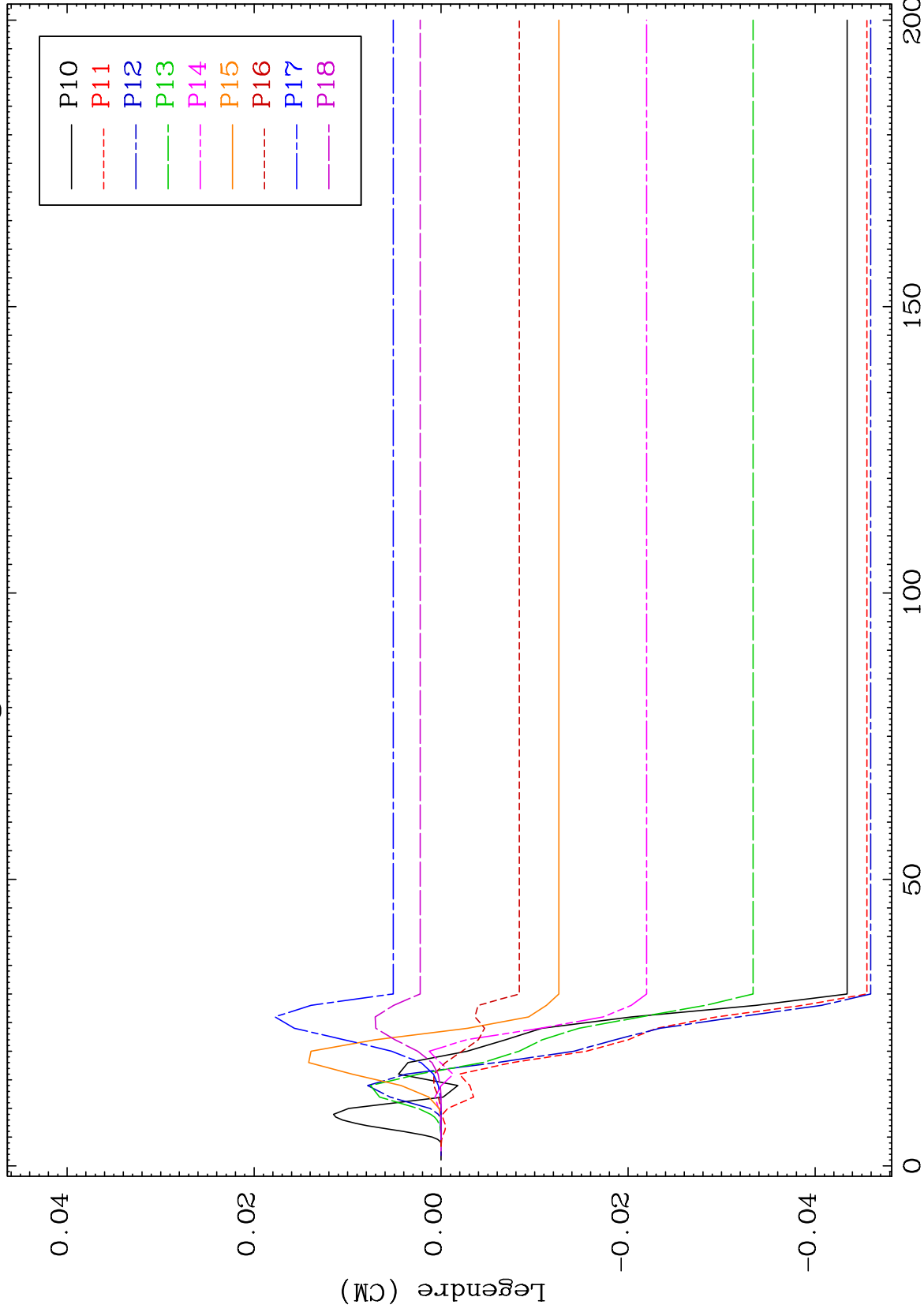


22 64-Gd-149

MAT 6416

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

64-Gd-149



23

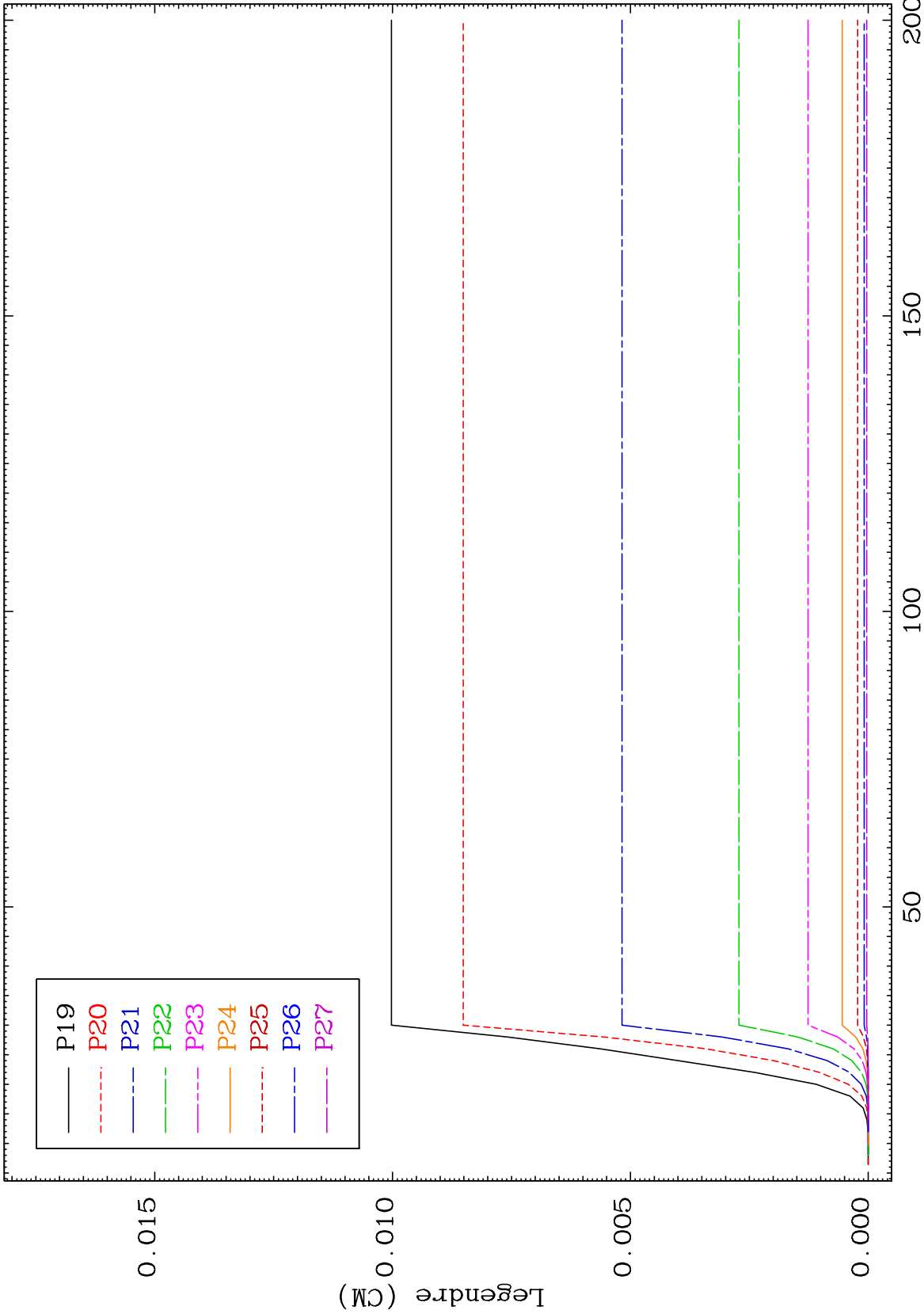
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



24

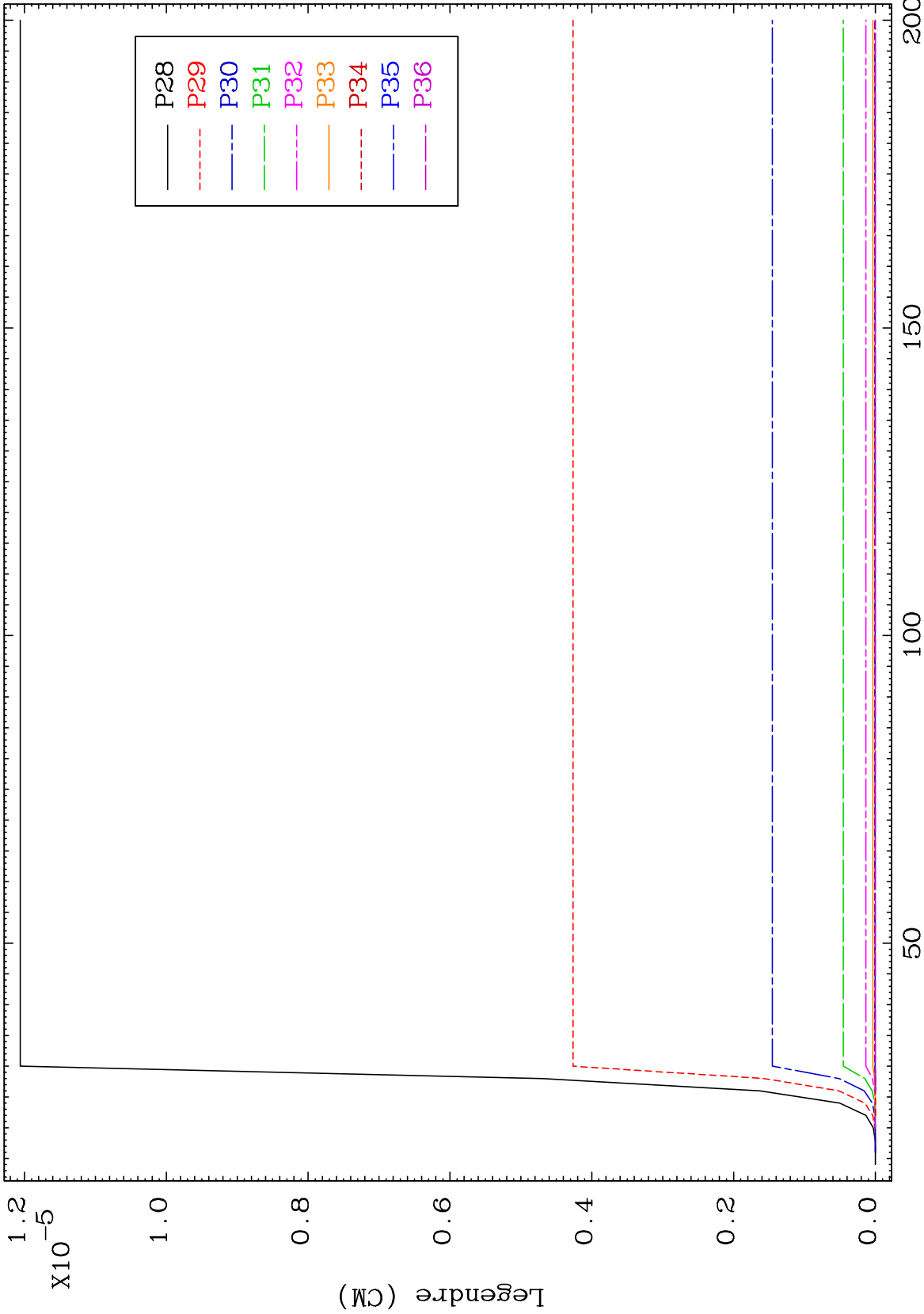
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



25

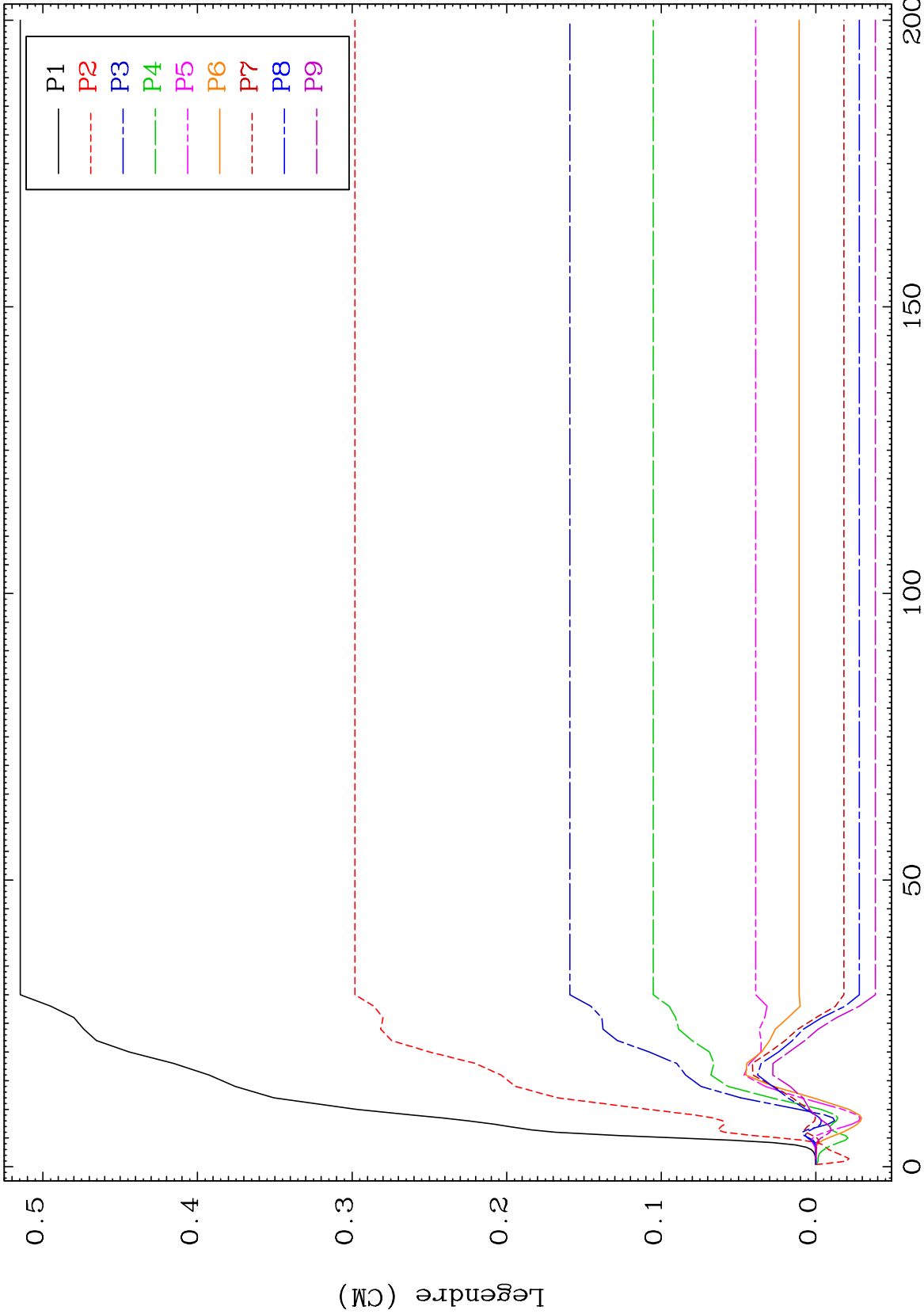
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



26

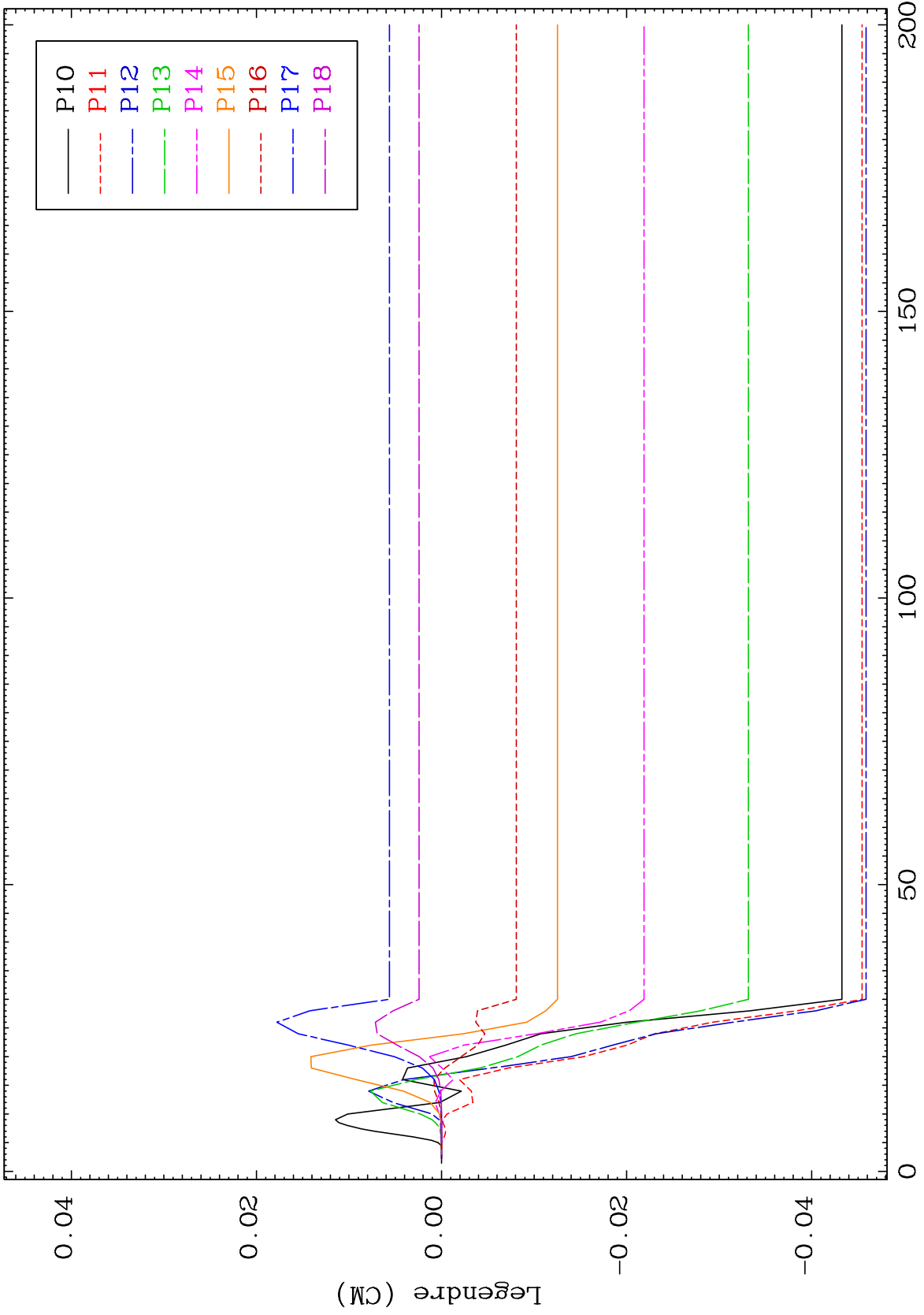
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



27

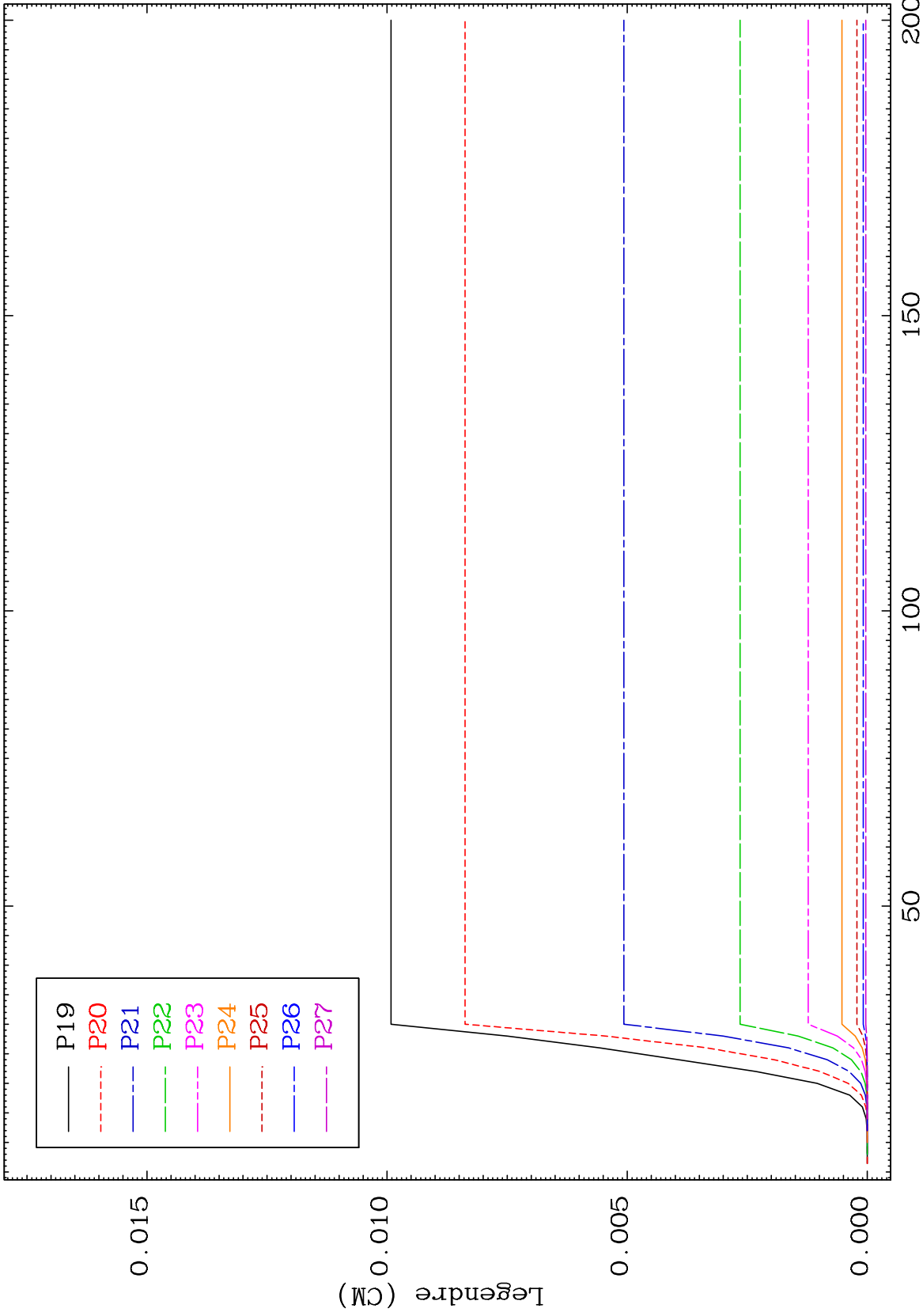
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



28

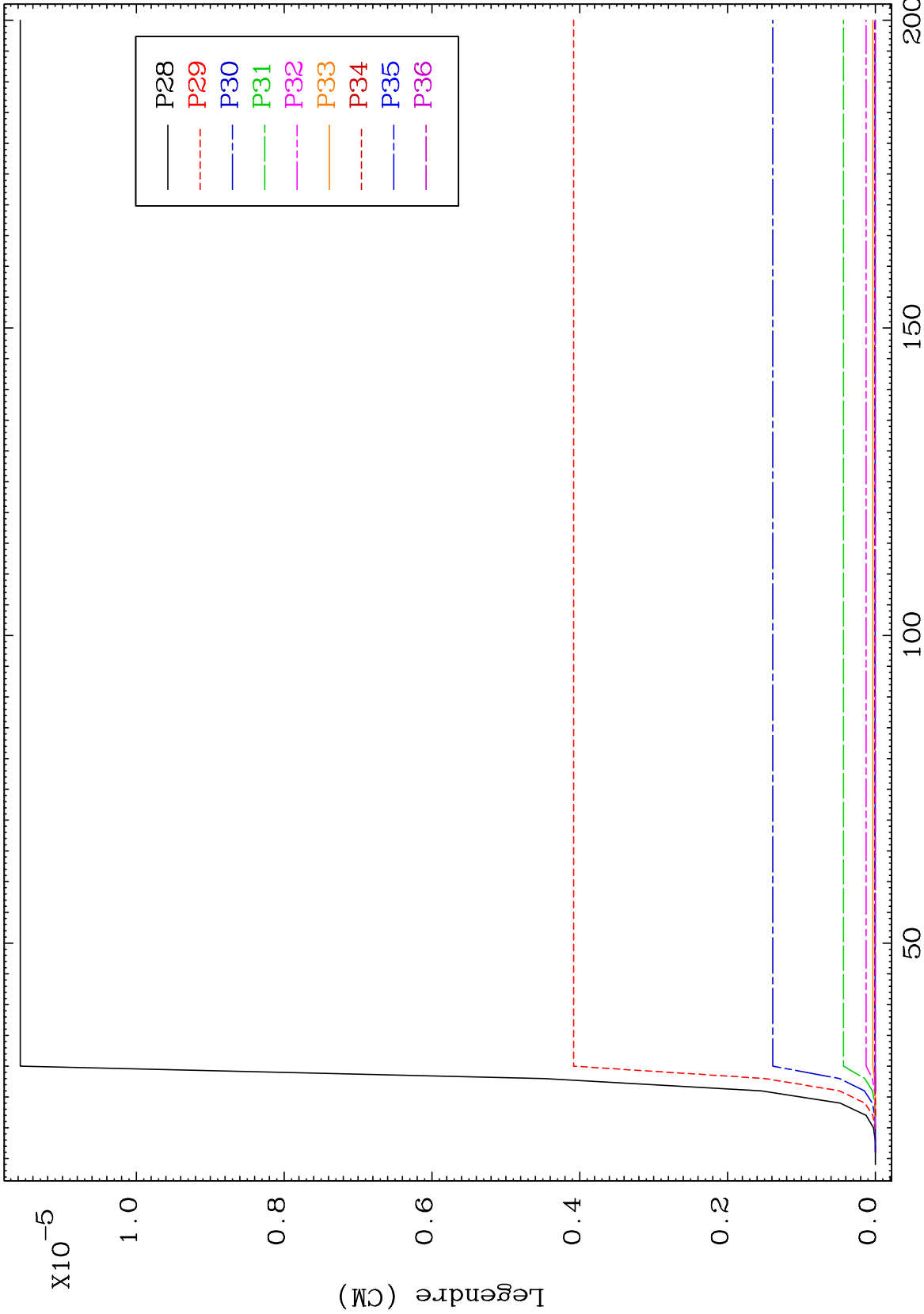
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



29

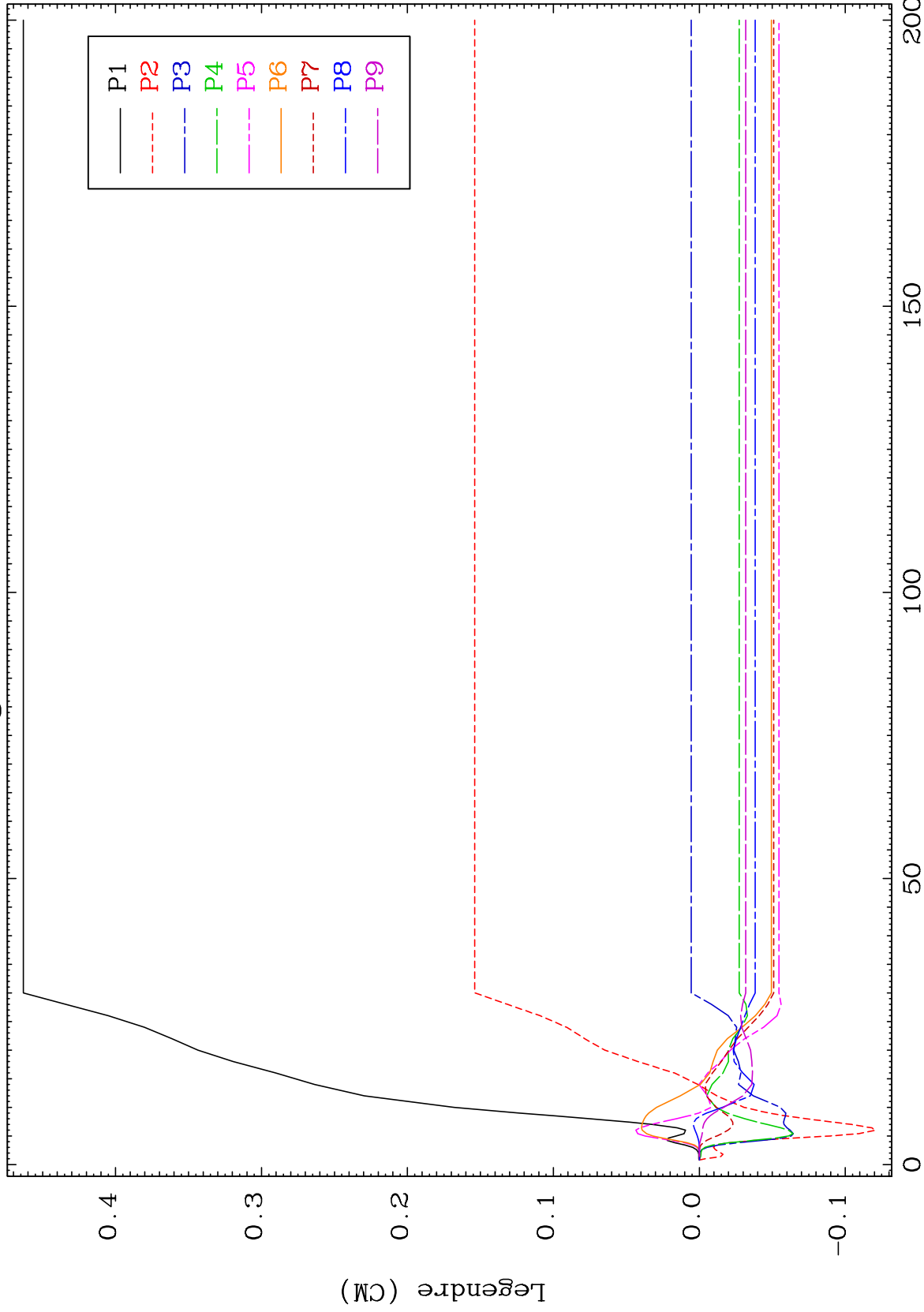
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



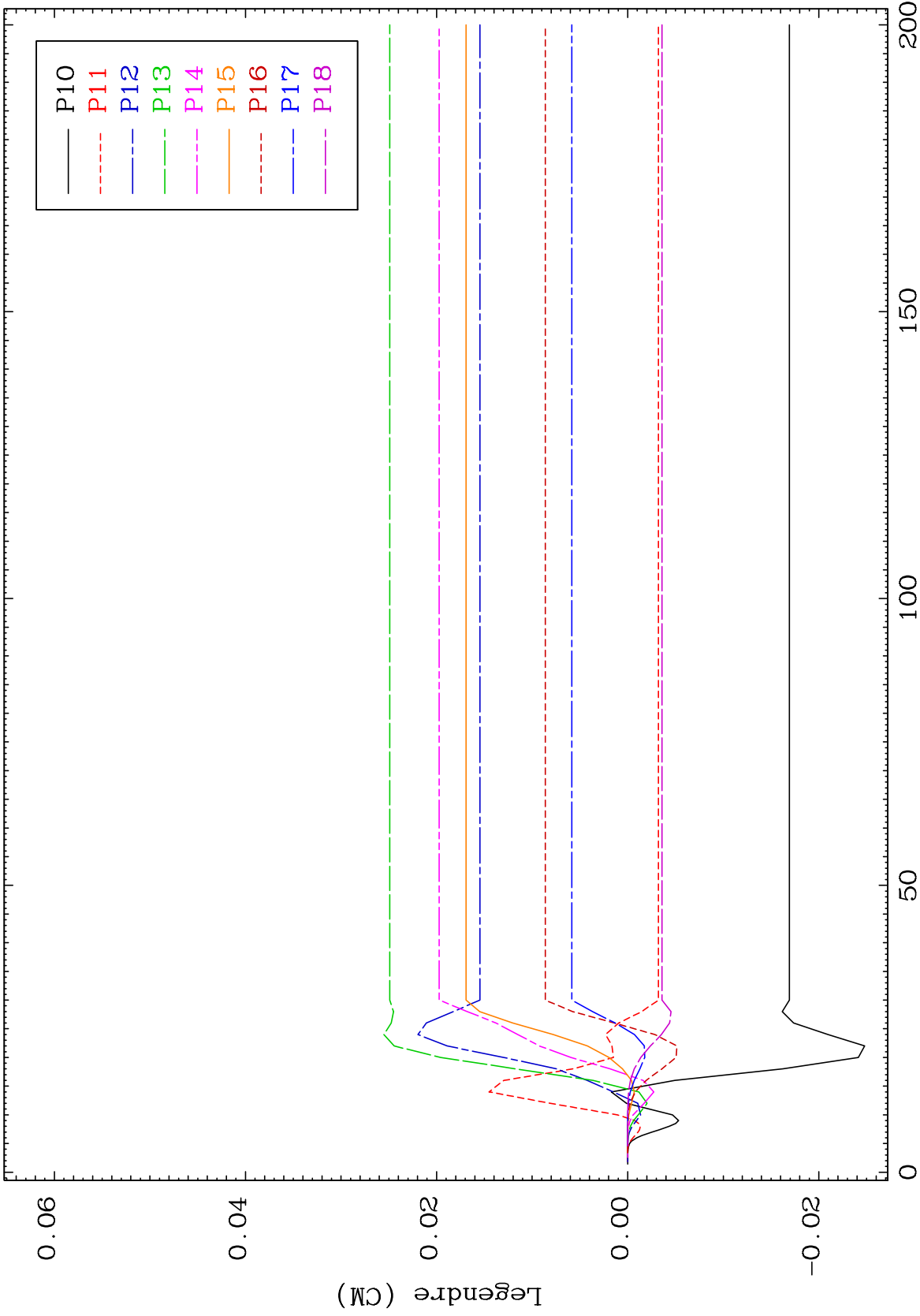
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Incident Energy (MeV)

MAT 6416

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

64-Gd-149



31

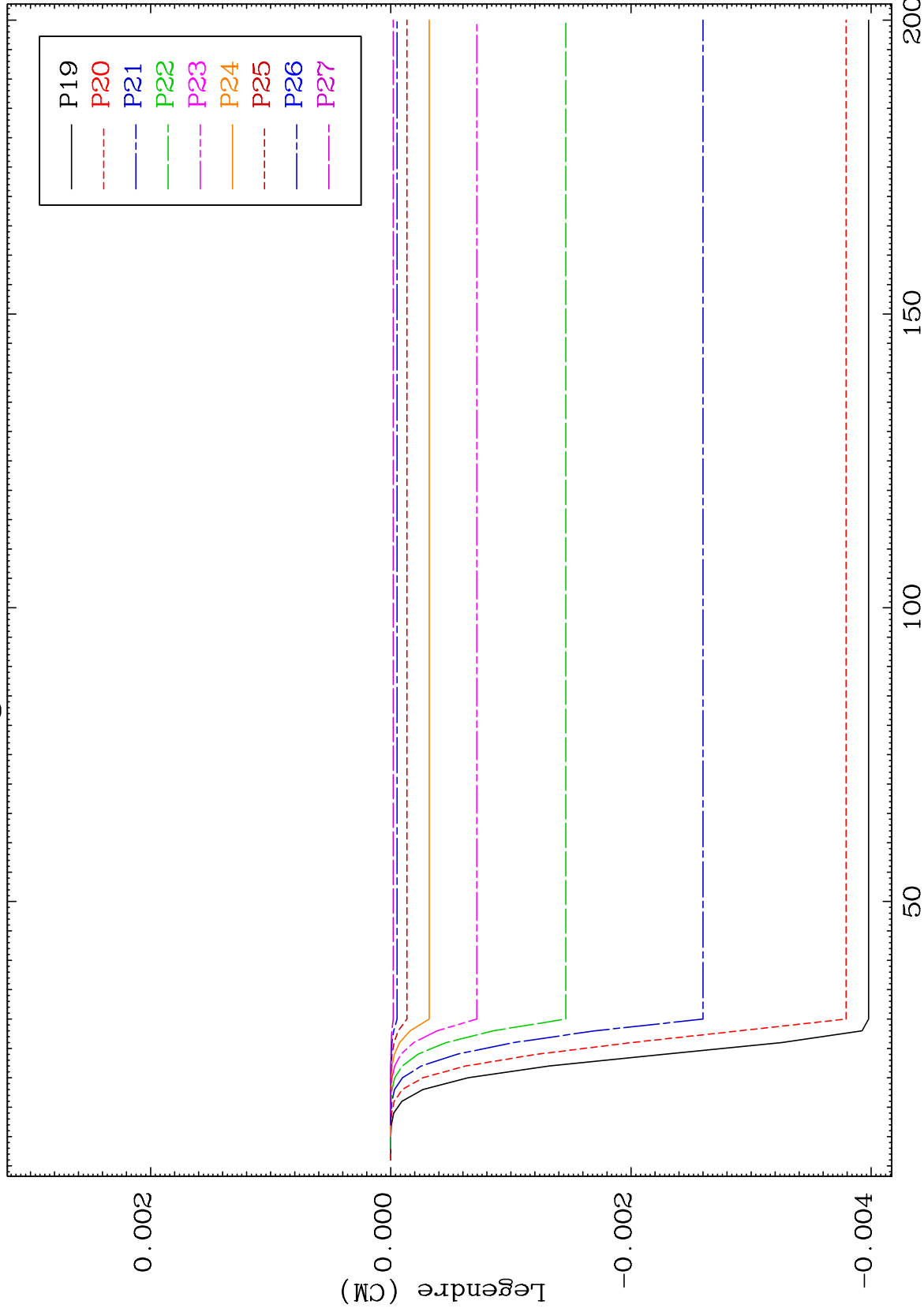
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



32

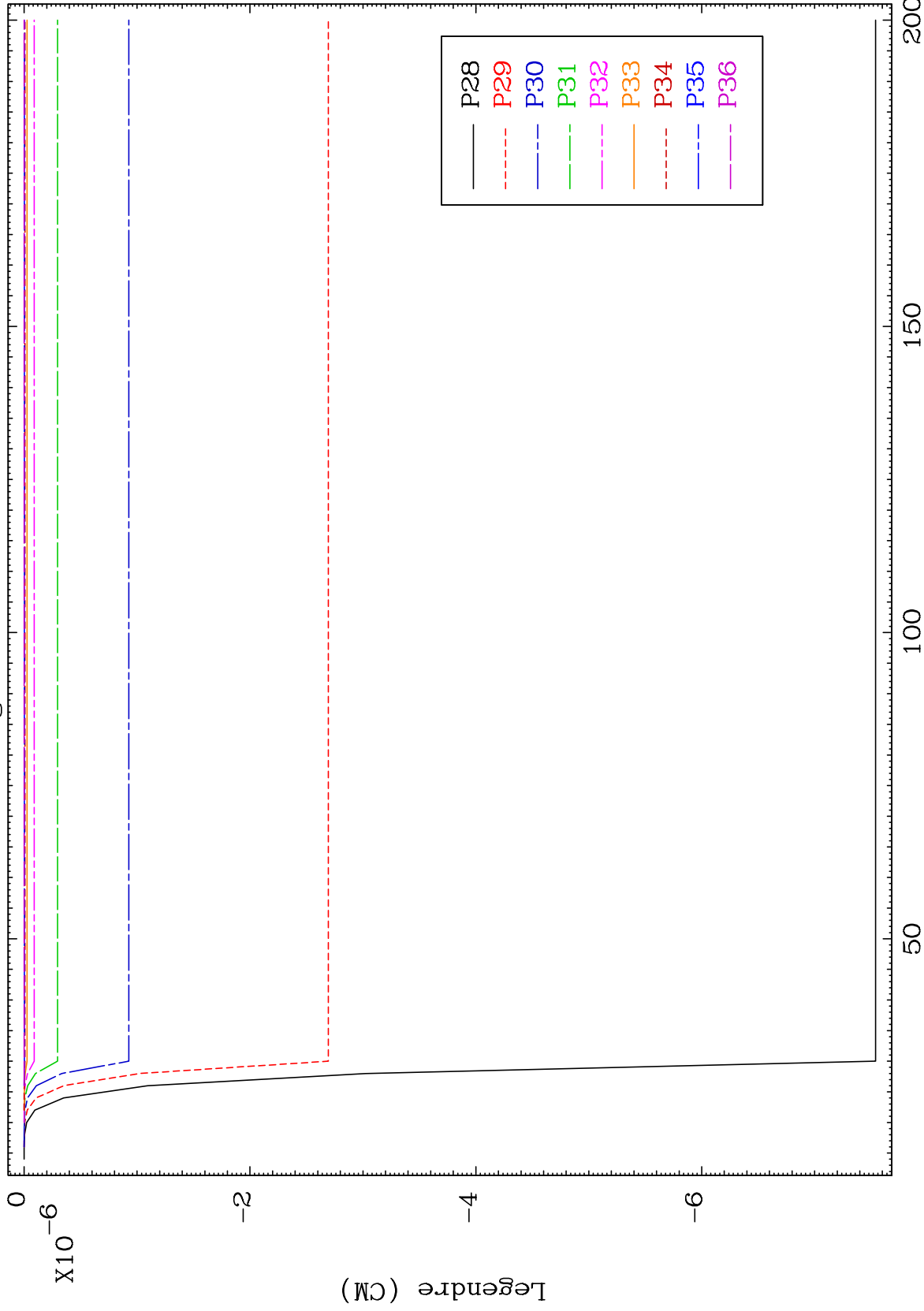
Incident Energy (MeV)

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MAT 6416

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

64-Gd-149



64-Gd-149

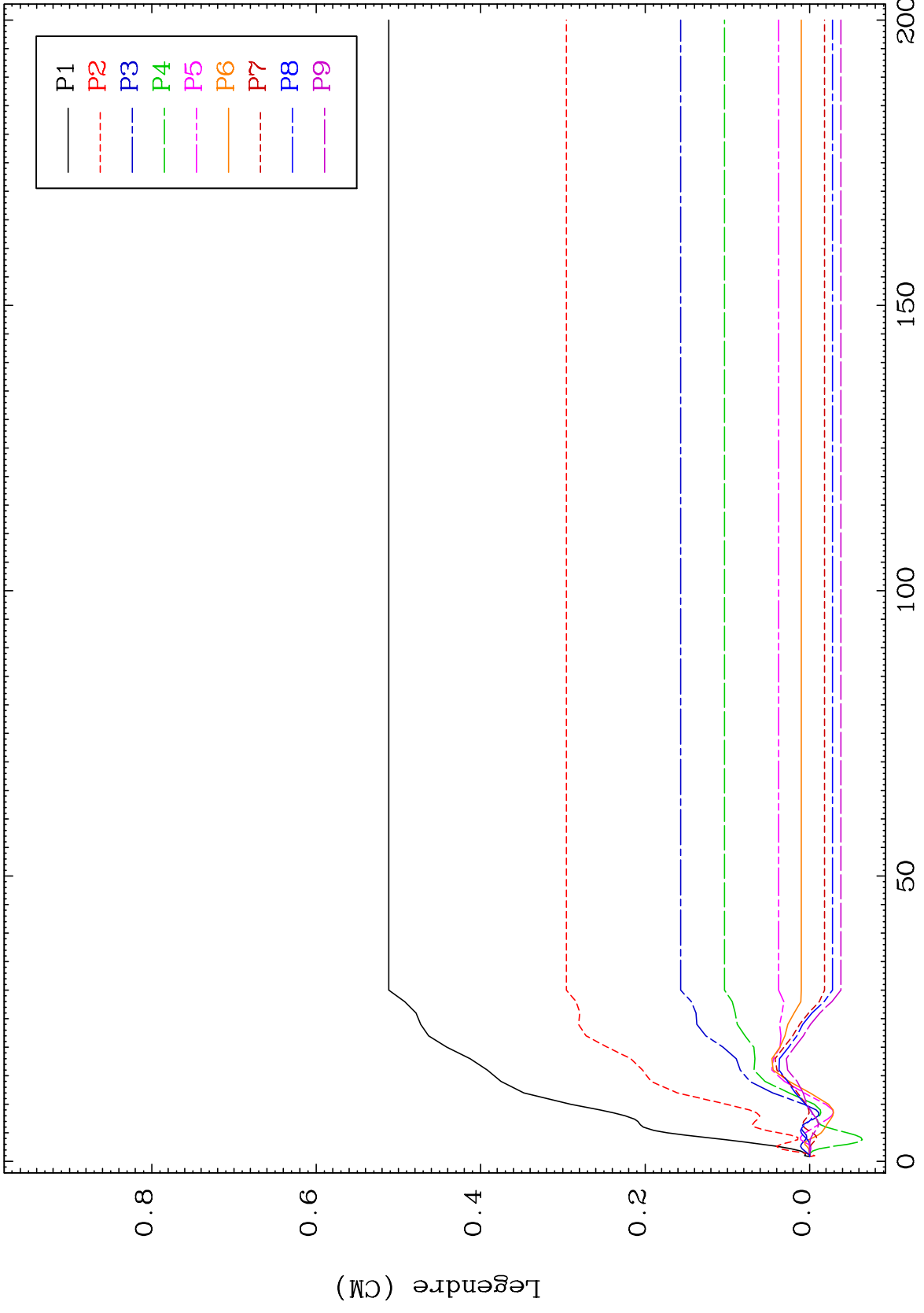
Incident Energy (MeV)

33

MAT 6416

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

64-Gd-149

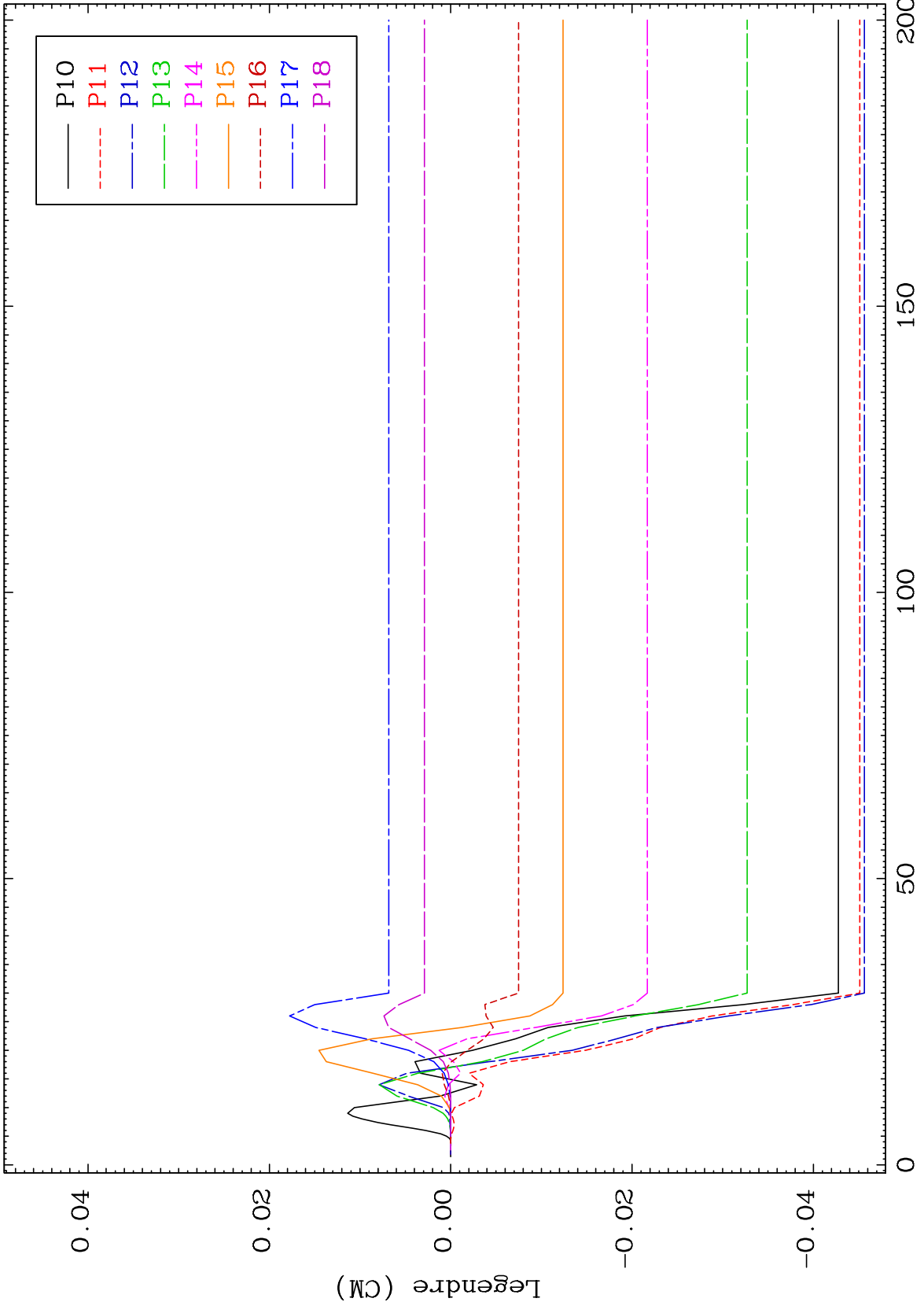


34

Incident Energy (MeV)

64-Gd-149

MAT 6416 MT= 54 (n,n') Level Legendre Coefficients 64-Gd-149

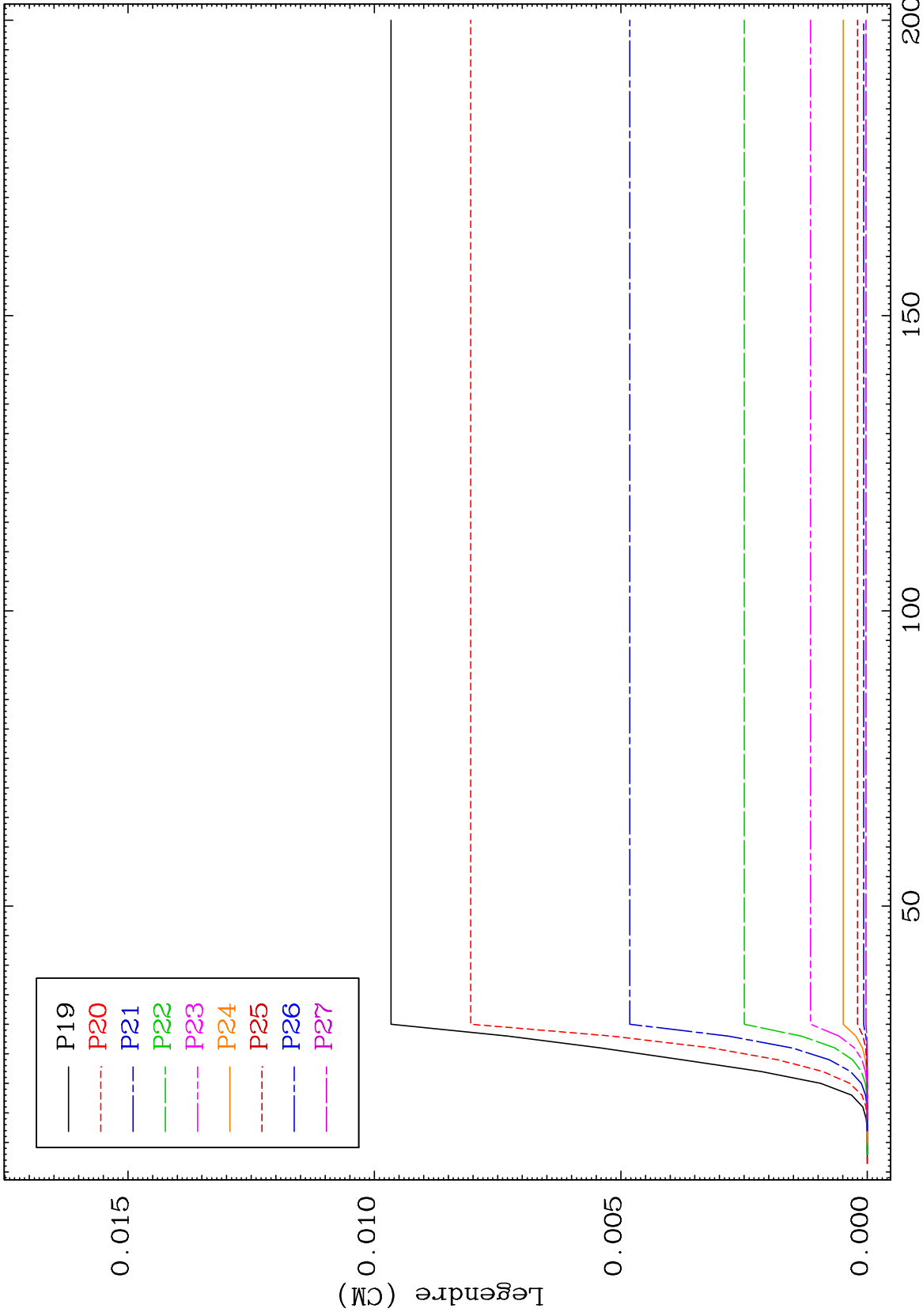


35 64-Gd-149

MAT 6416

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

64-Gd-149



36

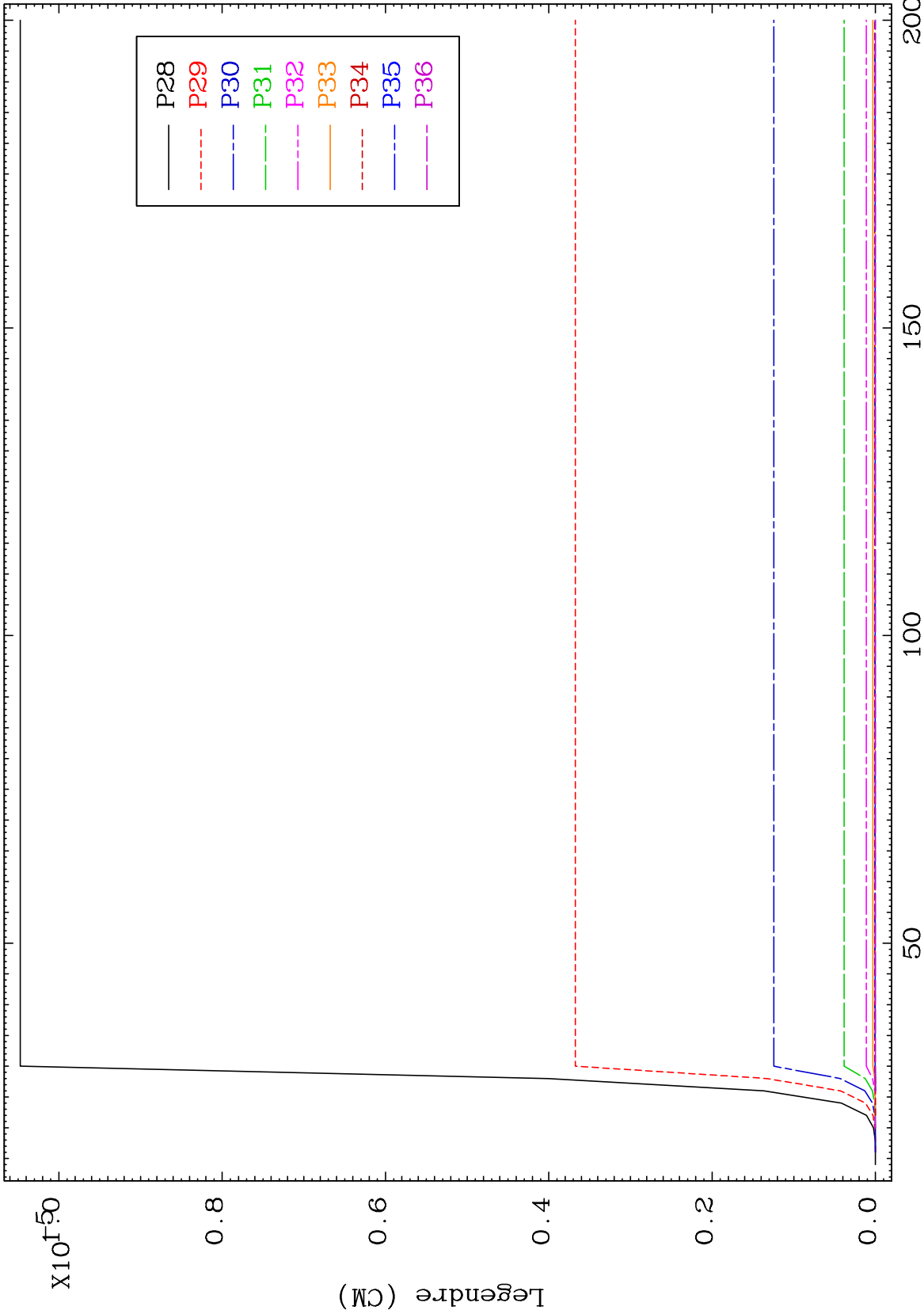
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



37

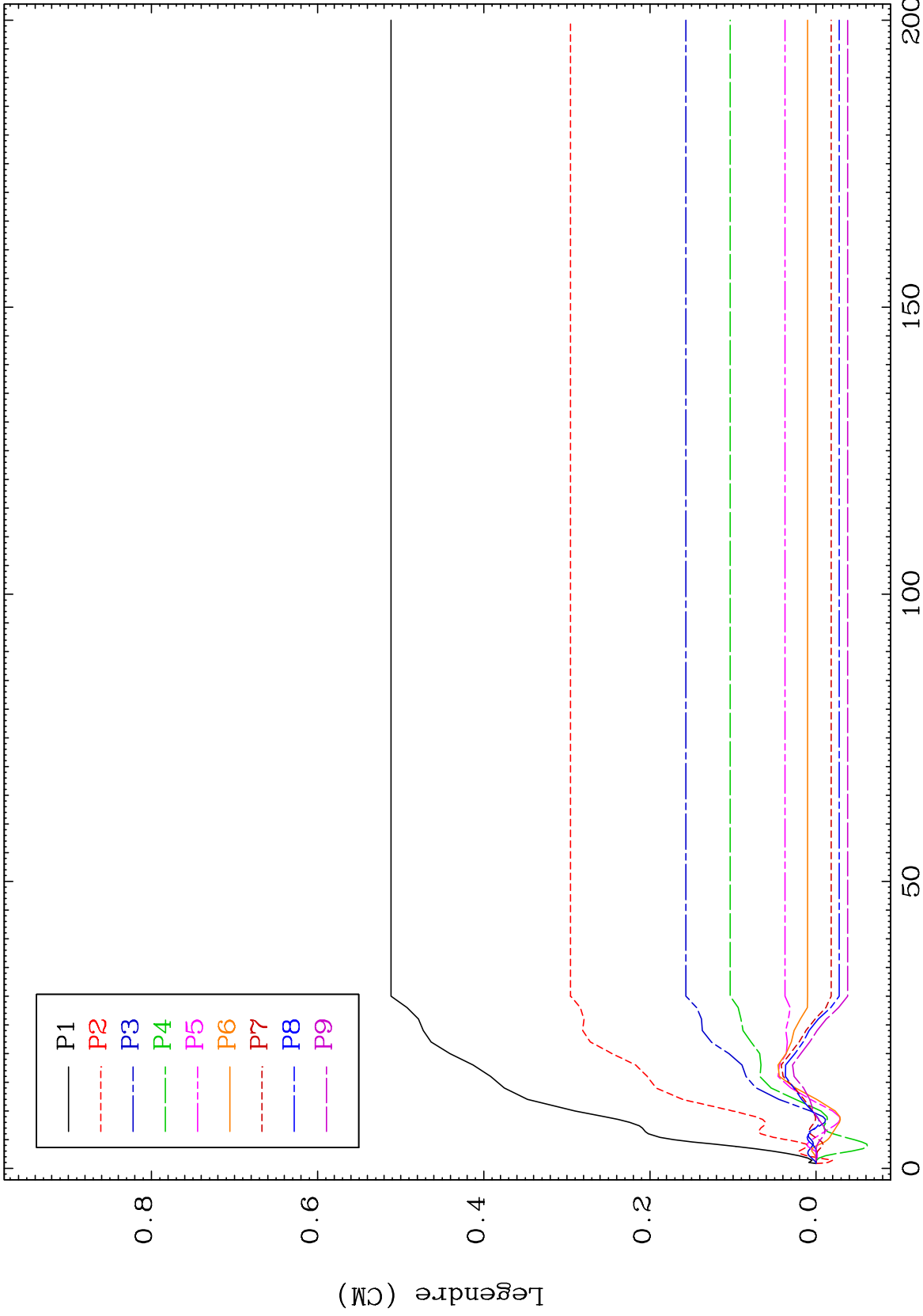
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



38

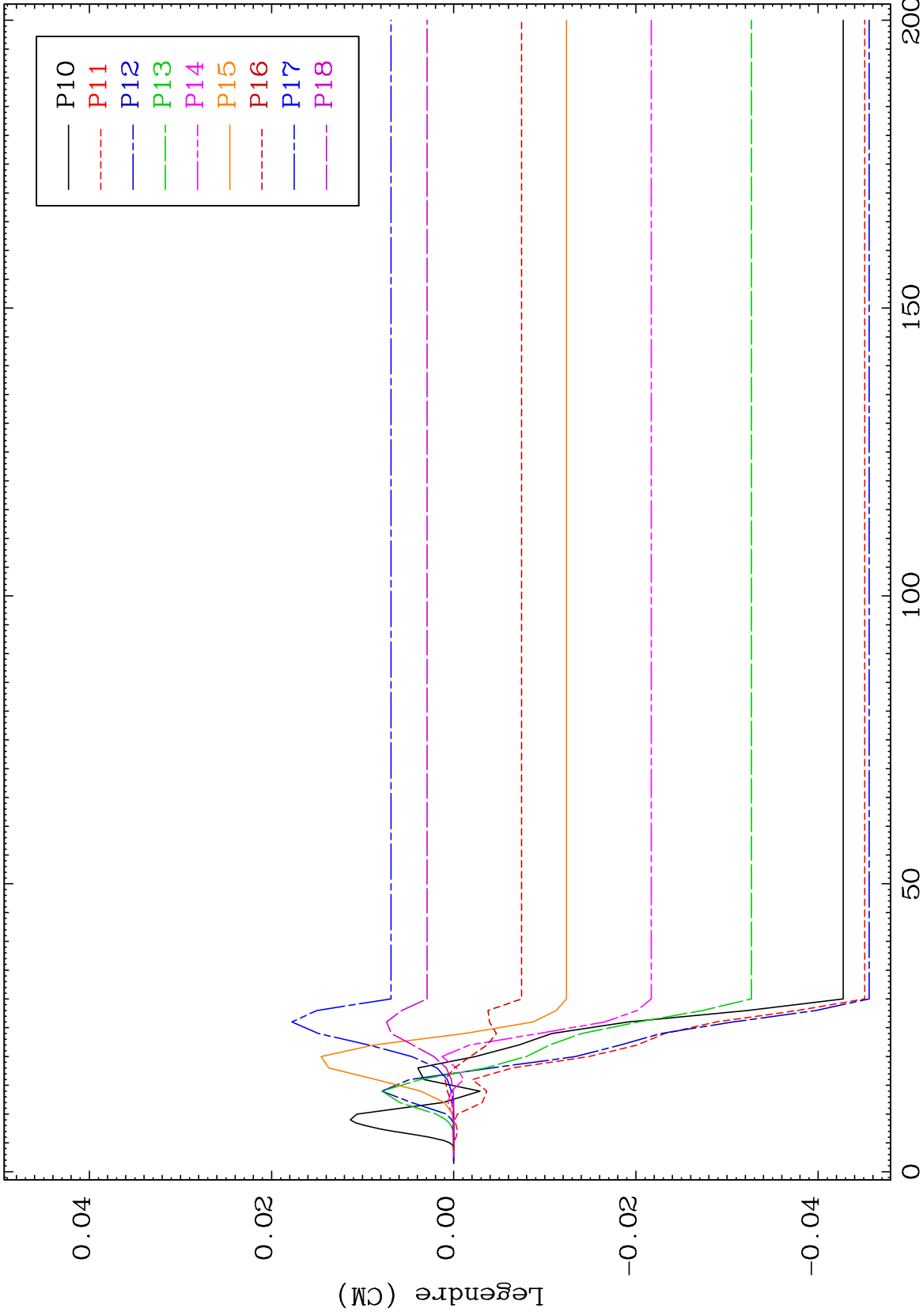
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



39

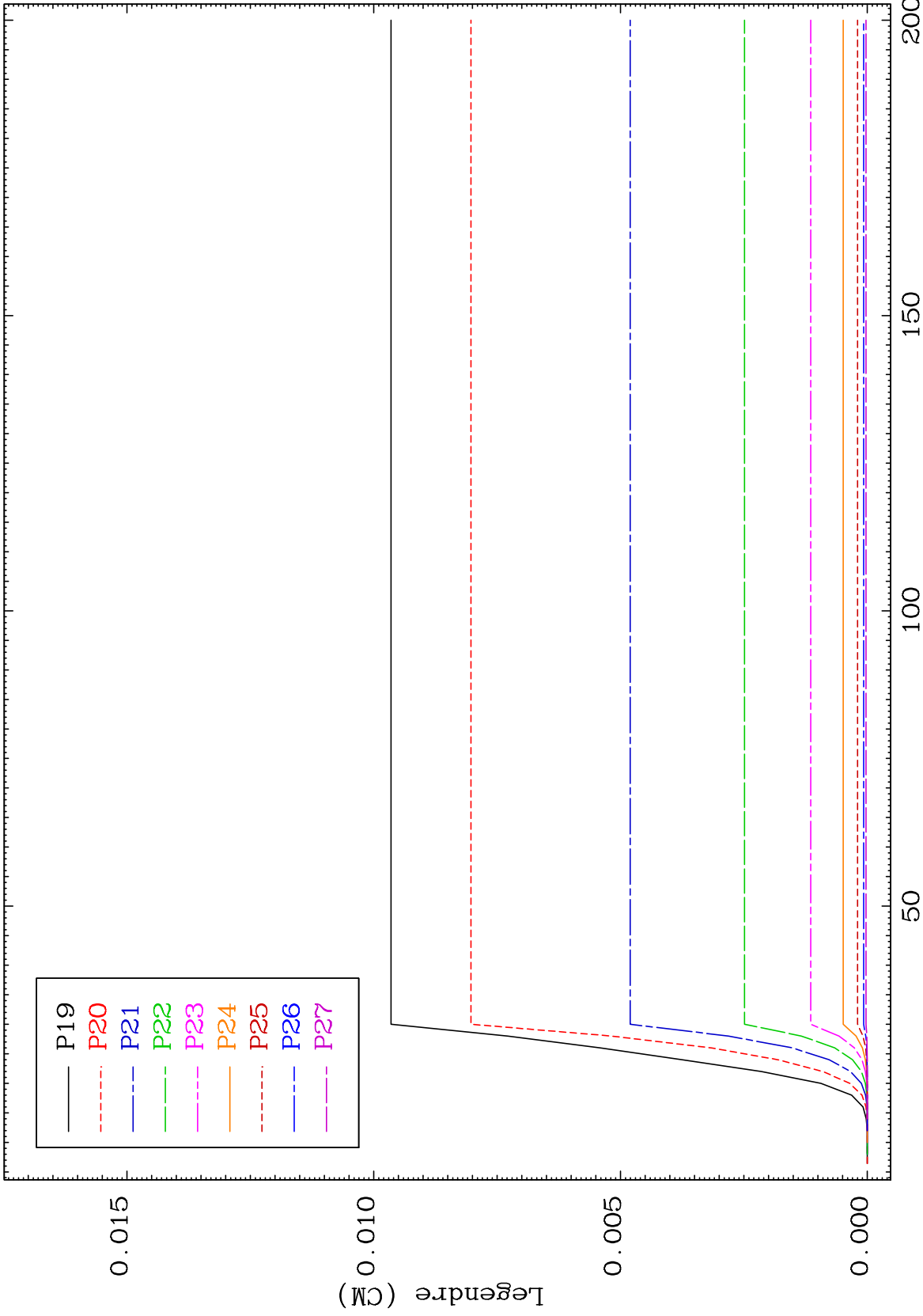
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



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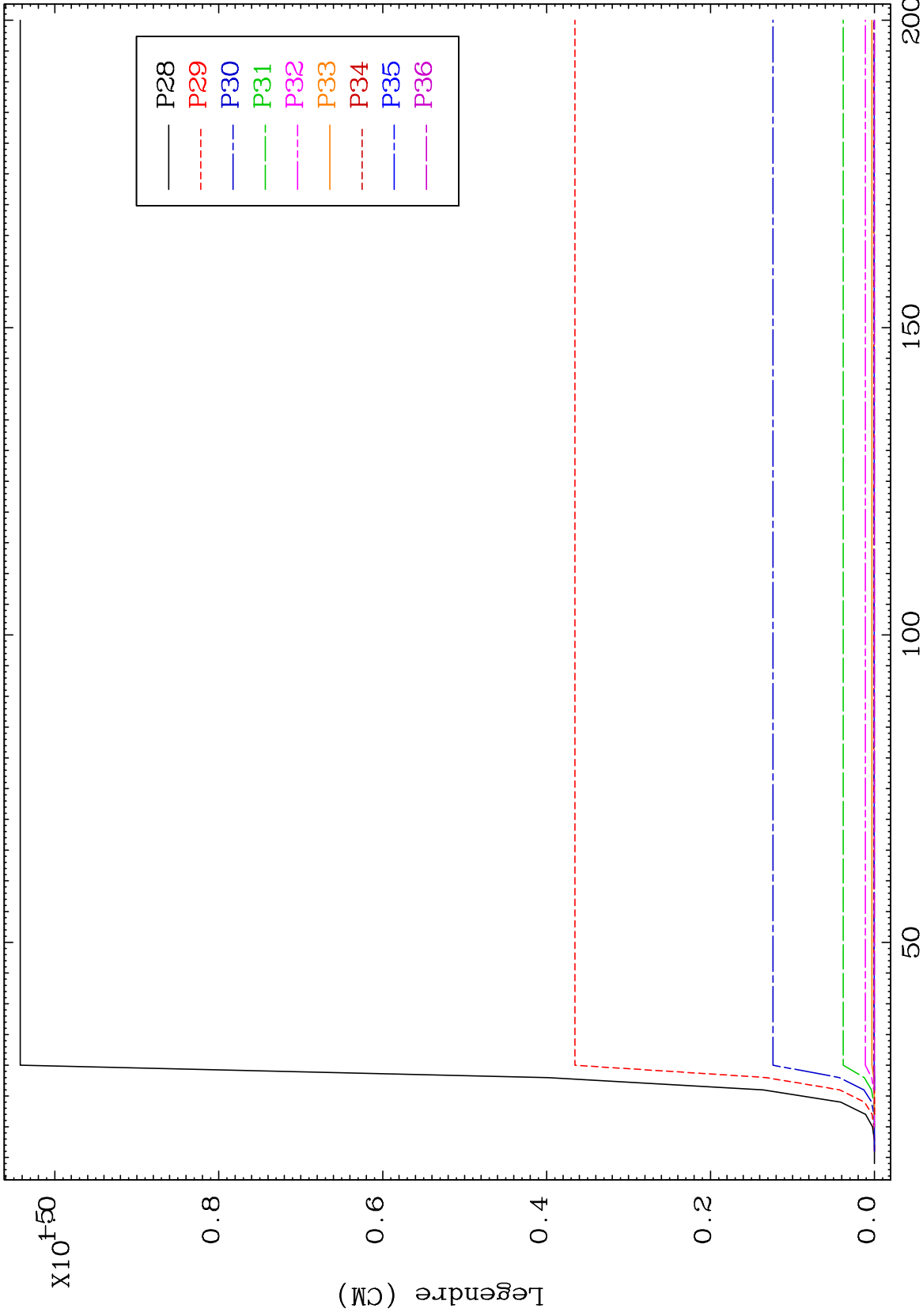
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



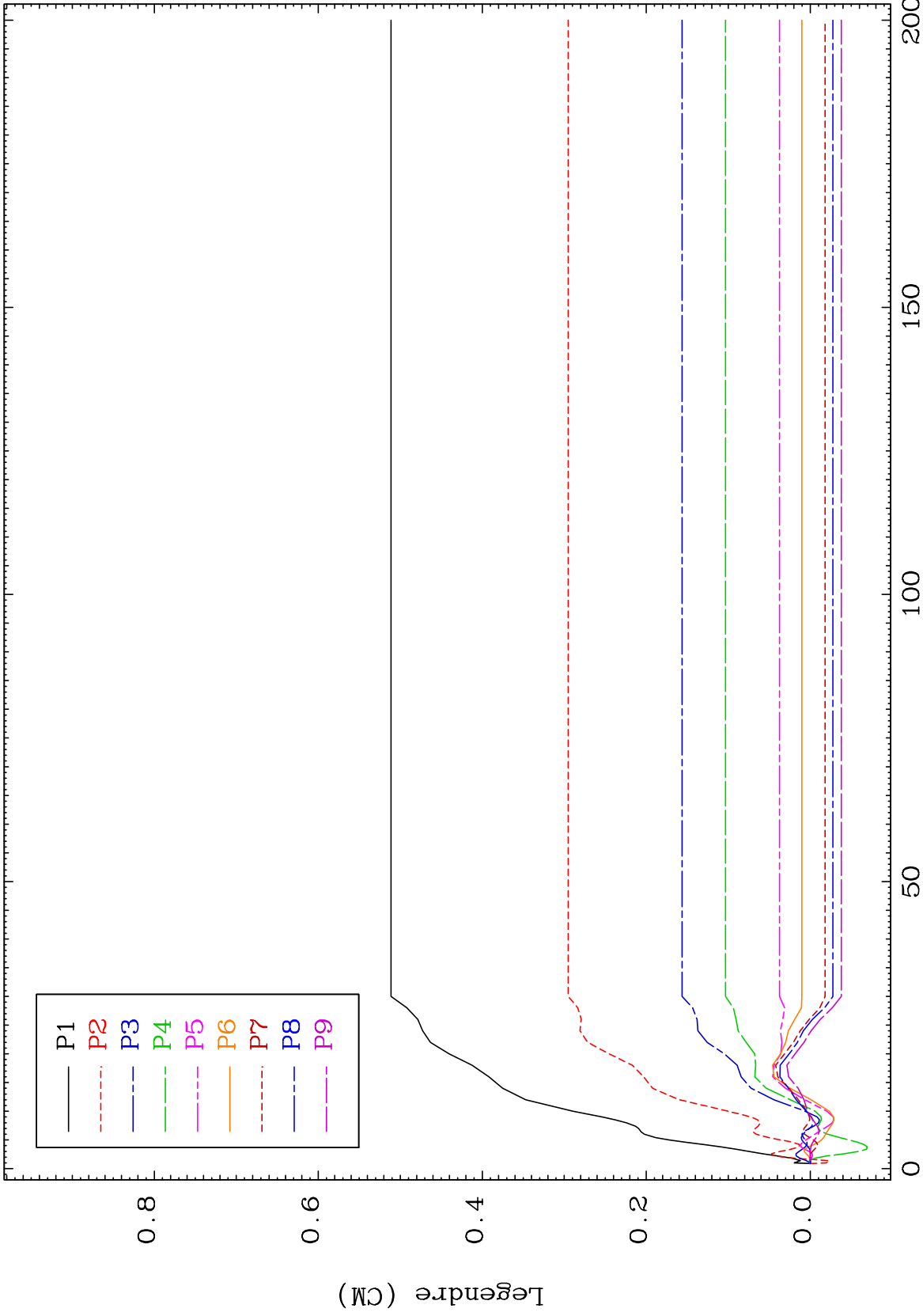
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64-Gd-149

MAT 6416

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

64-Gd-149



42

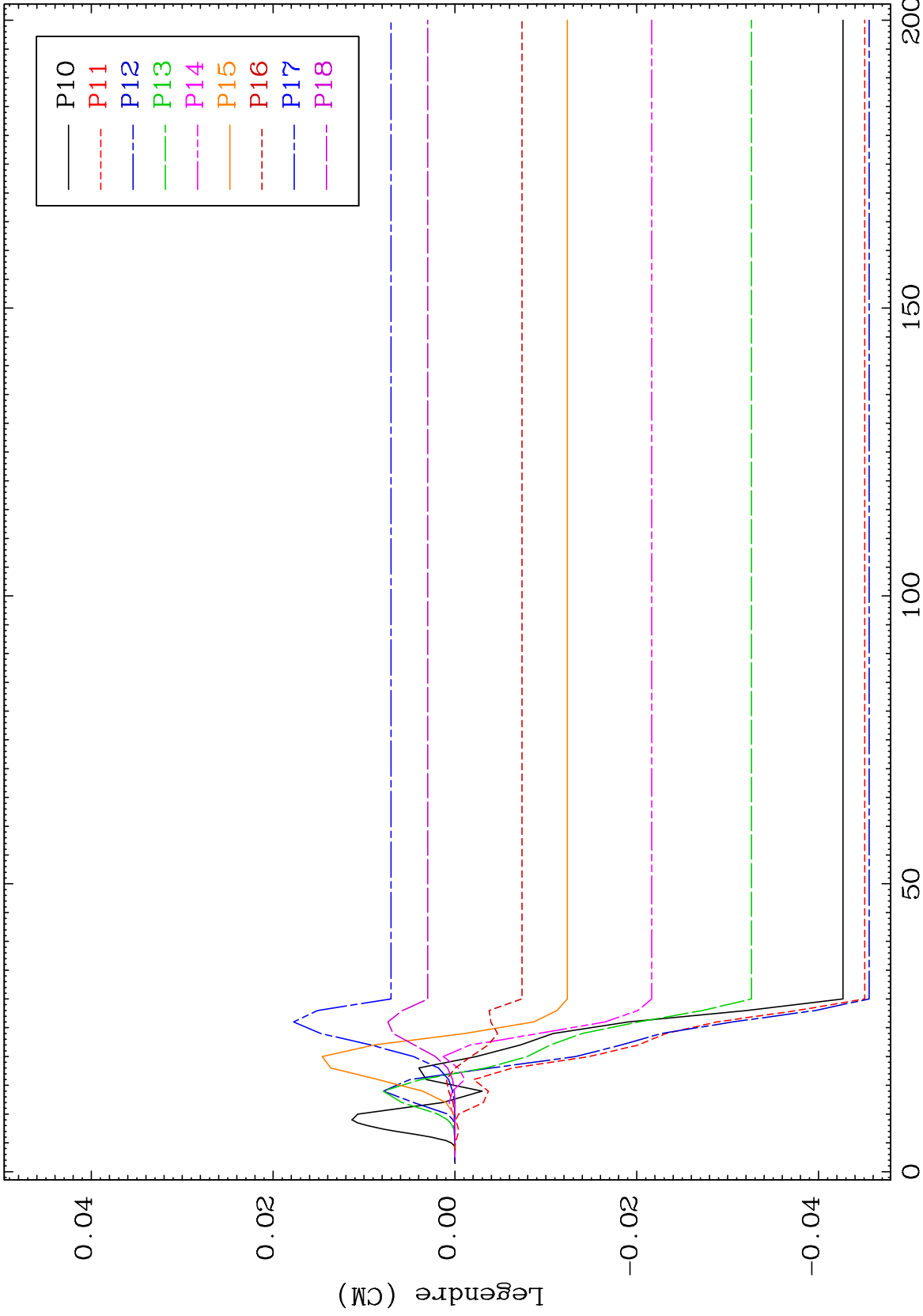
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



43

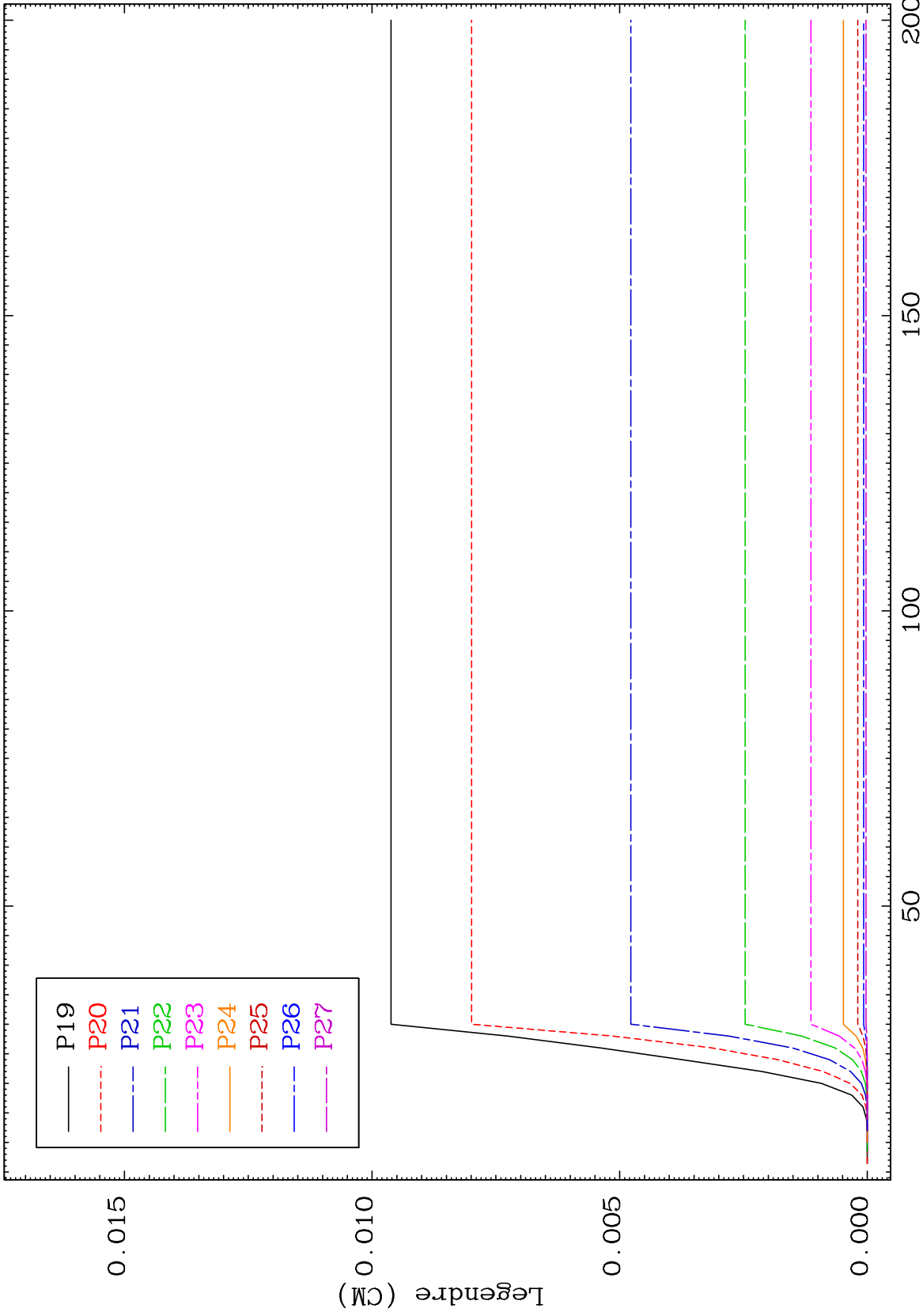
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



44

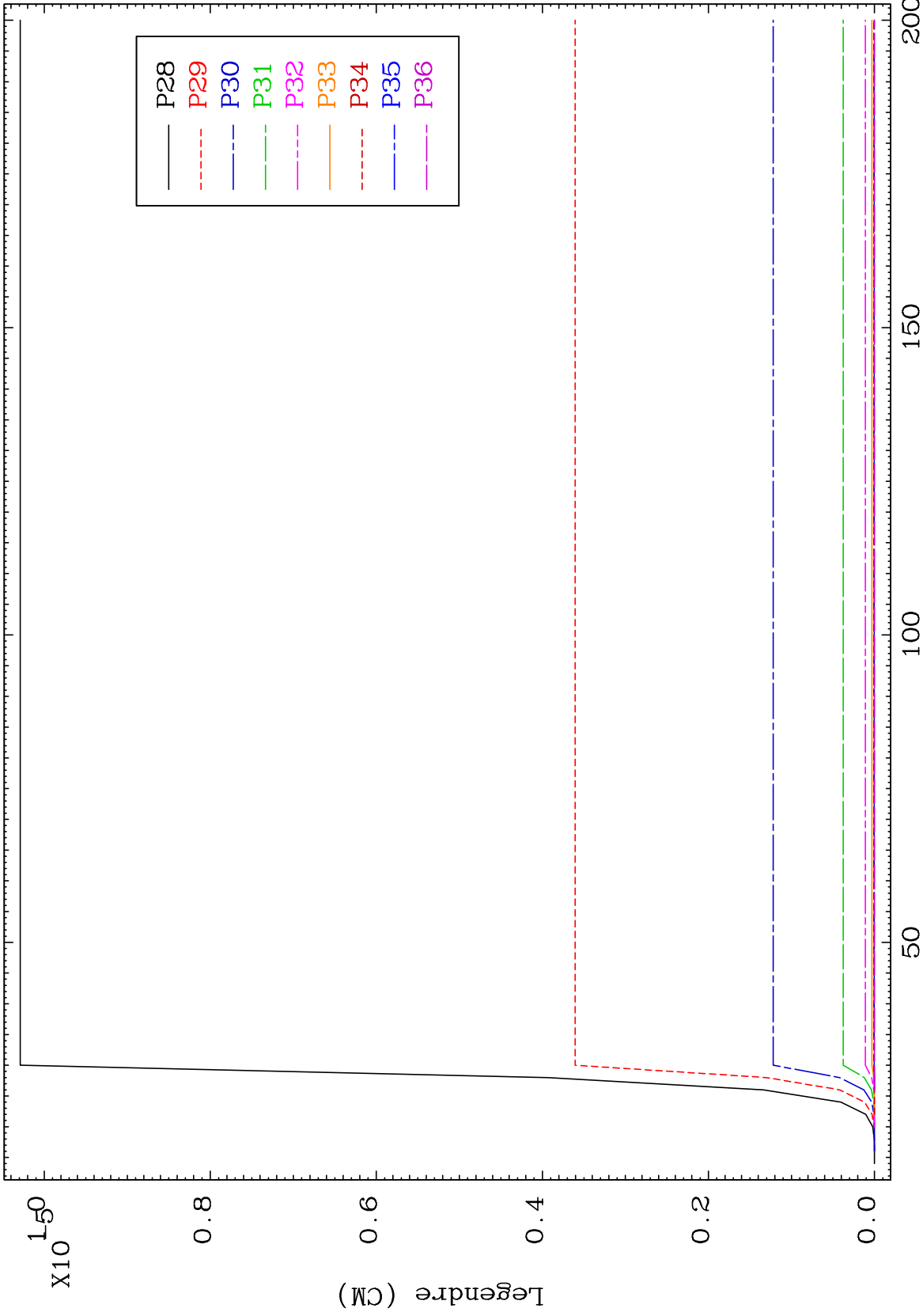
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



45

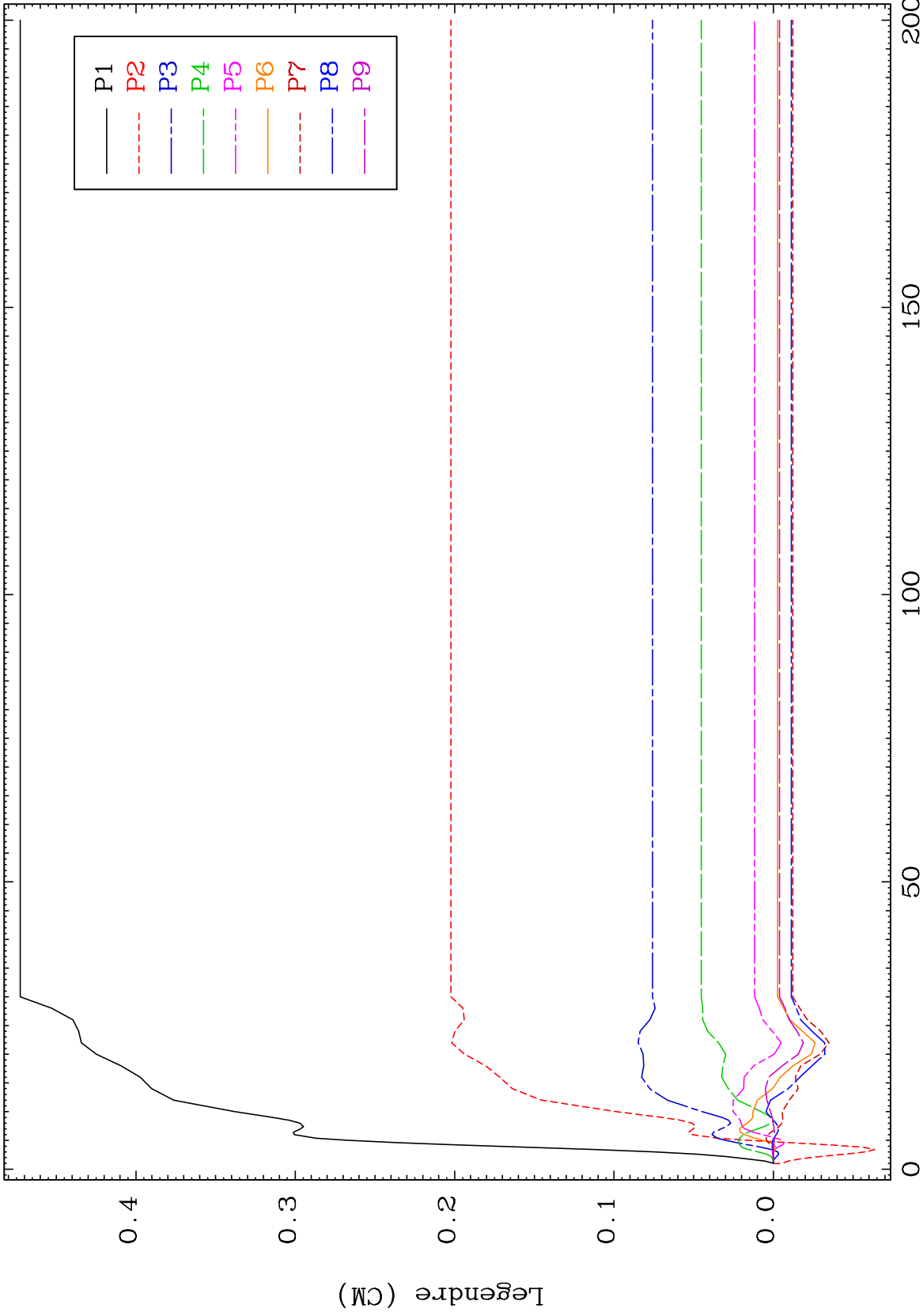
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149

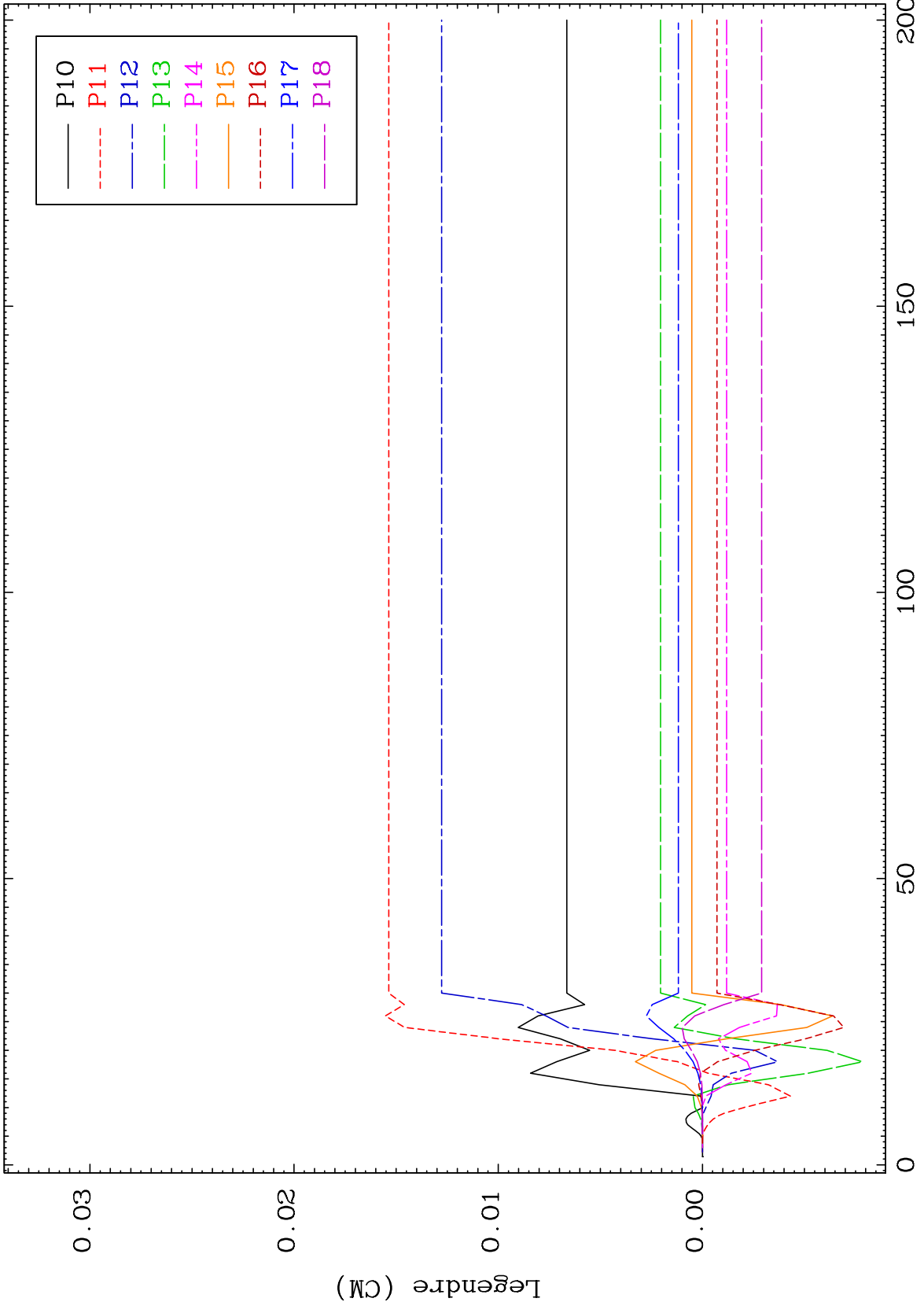


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Incident Energy (MeV)

64-Gd-149

MAT 6416 MT= 57 (n,n') Level Legendre Coefficients 64-Gd-149

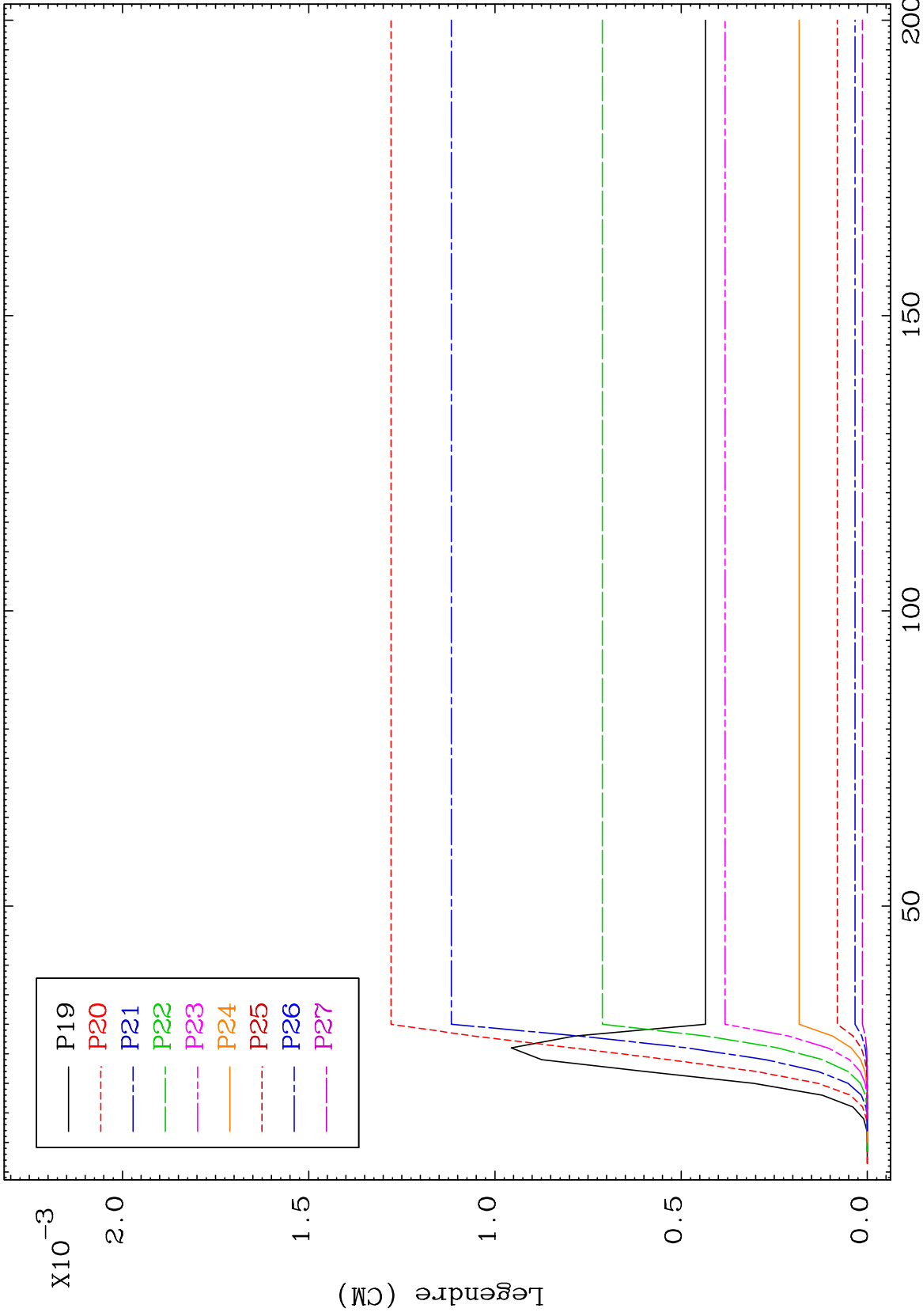


47 64-Gd-149

MAT 6416

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

64-Gd-149



48

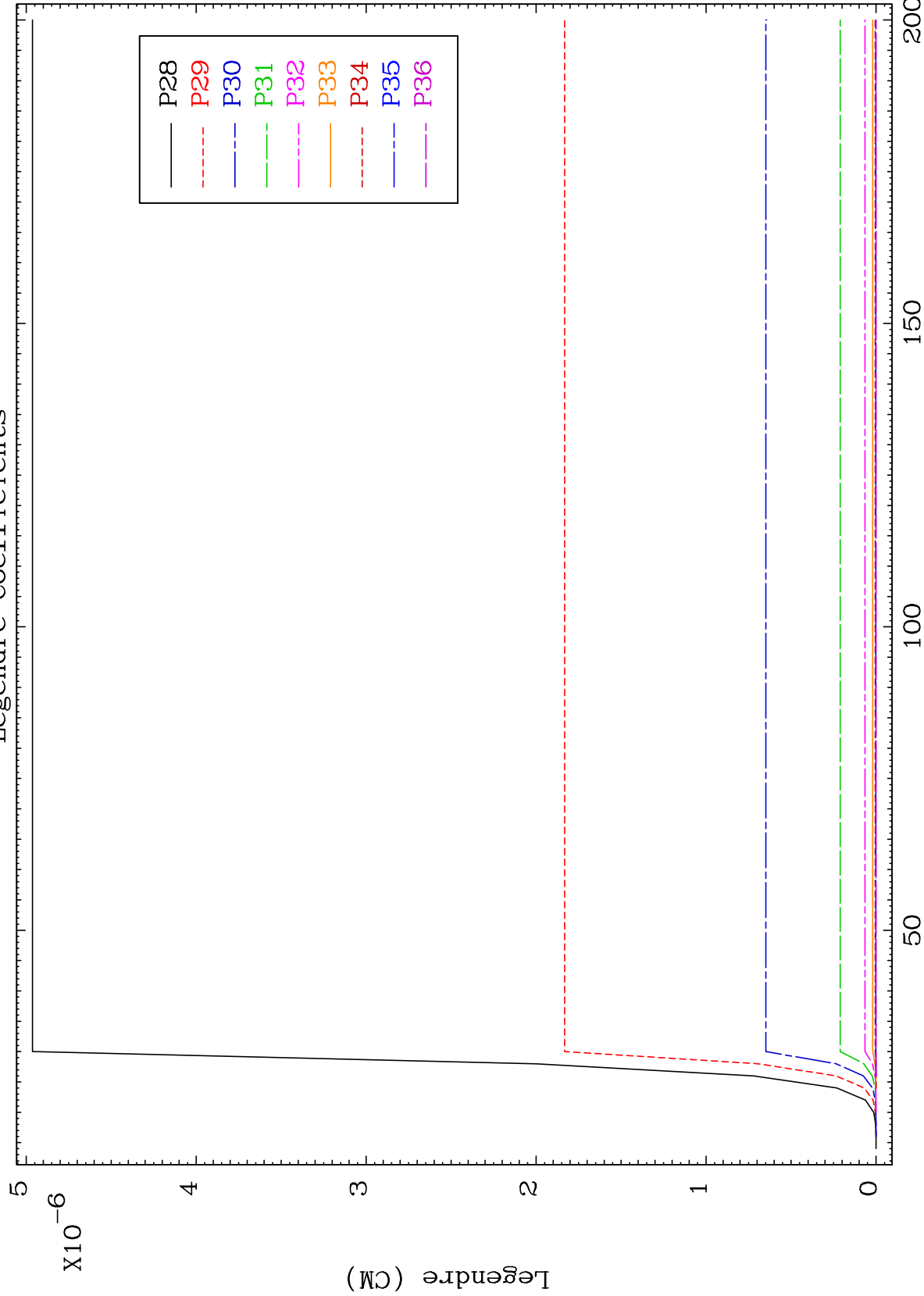
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



49

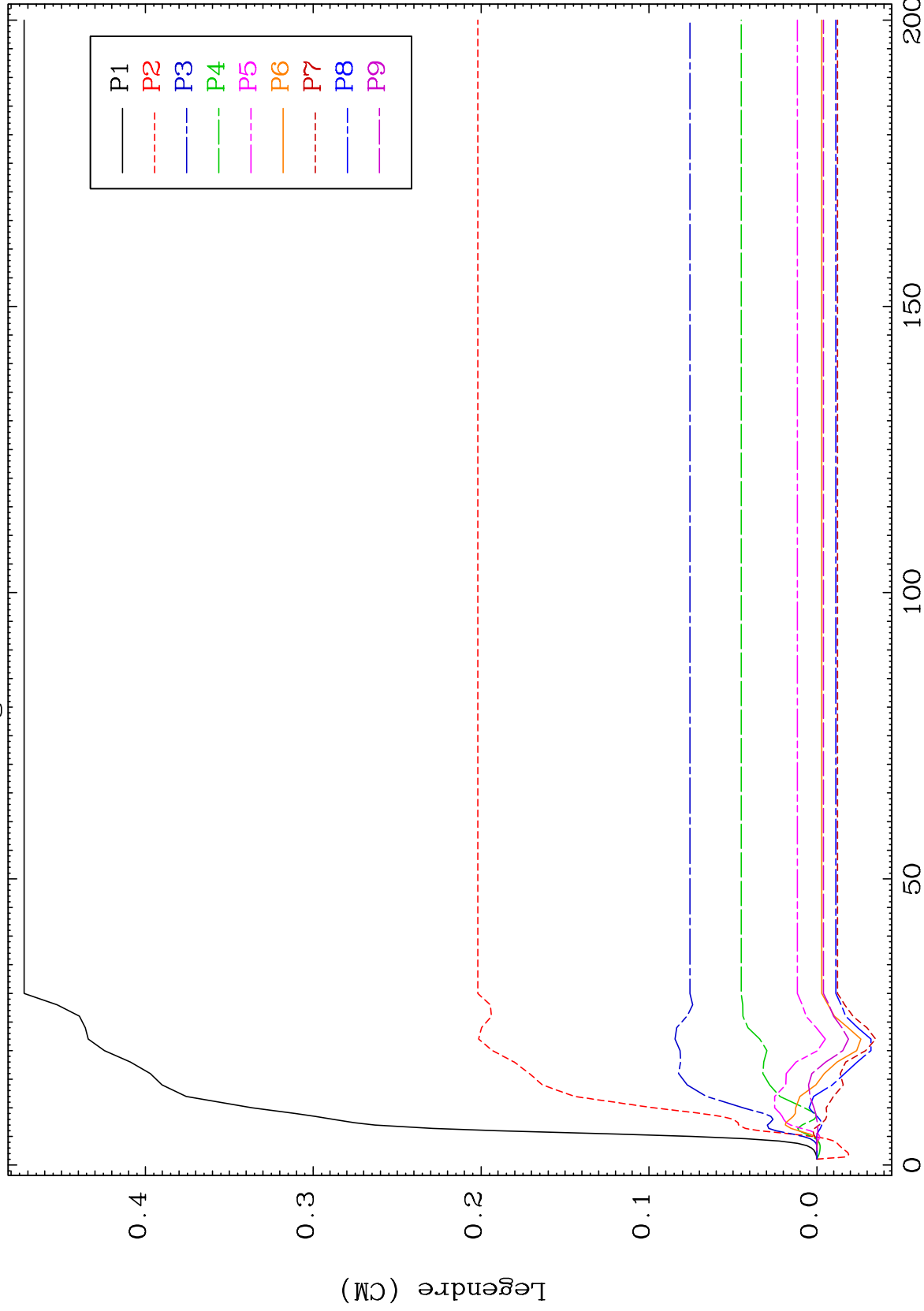
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



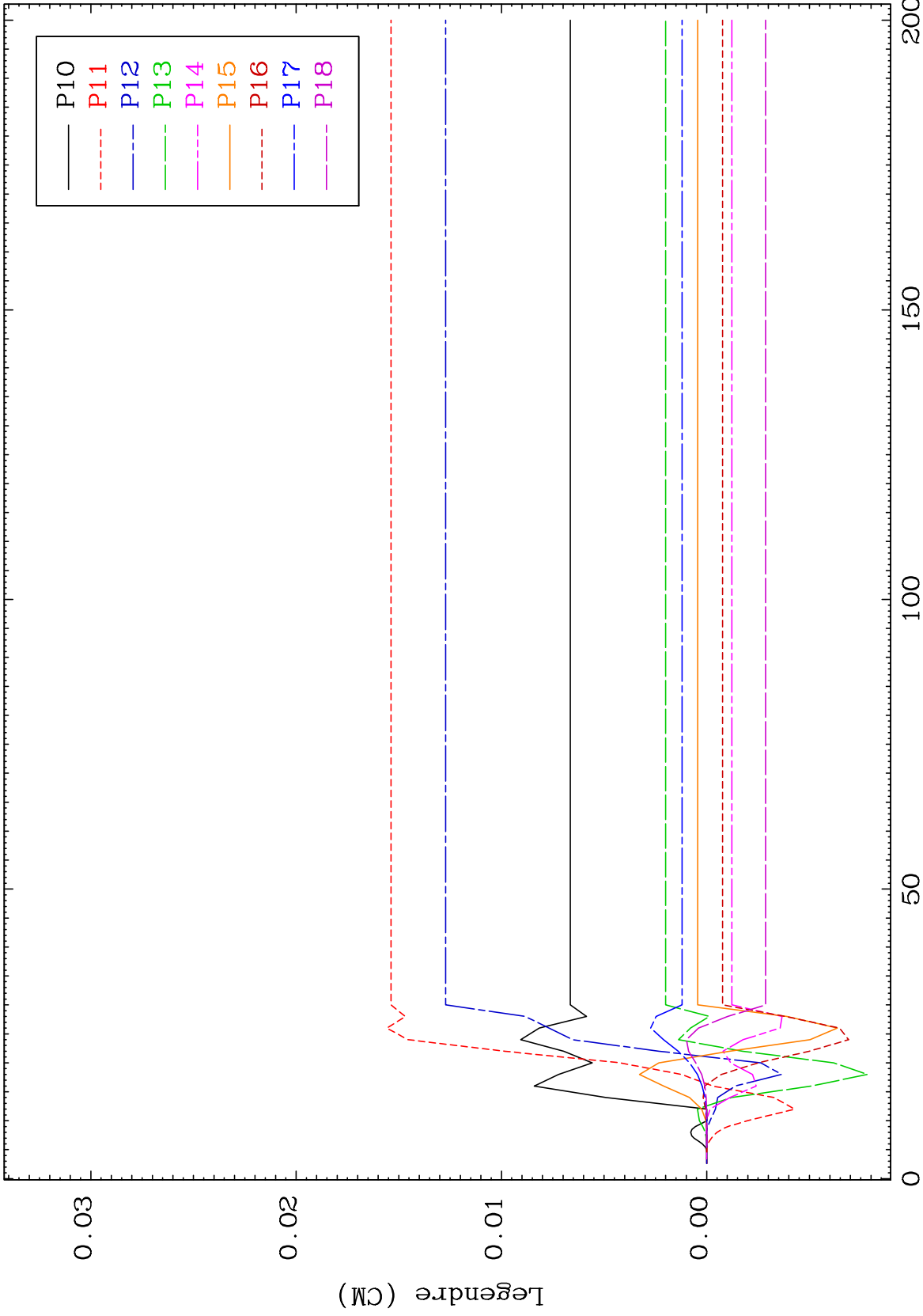
64-Gd-149

Incident Energy (MeV)

MAT 6416

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

64-Gd-149



51

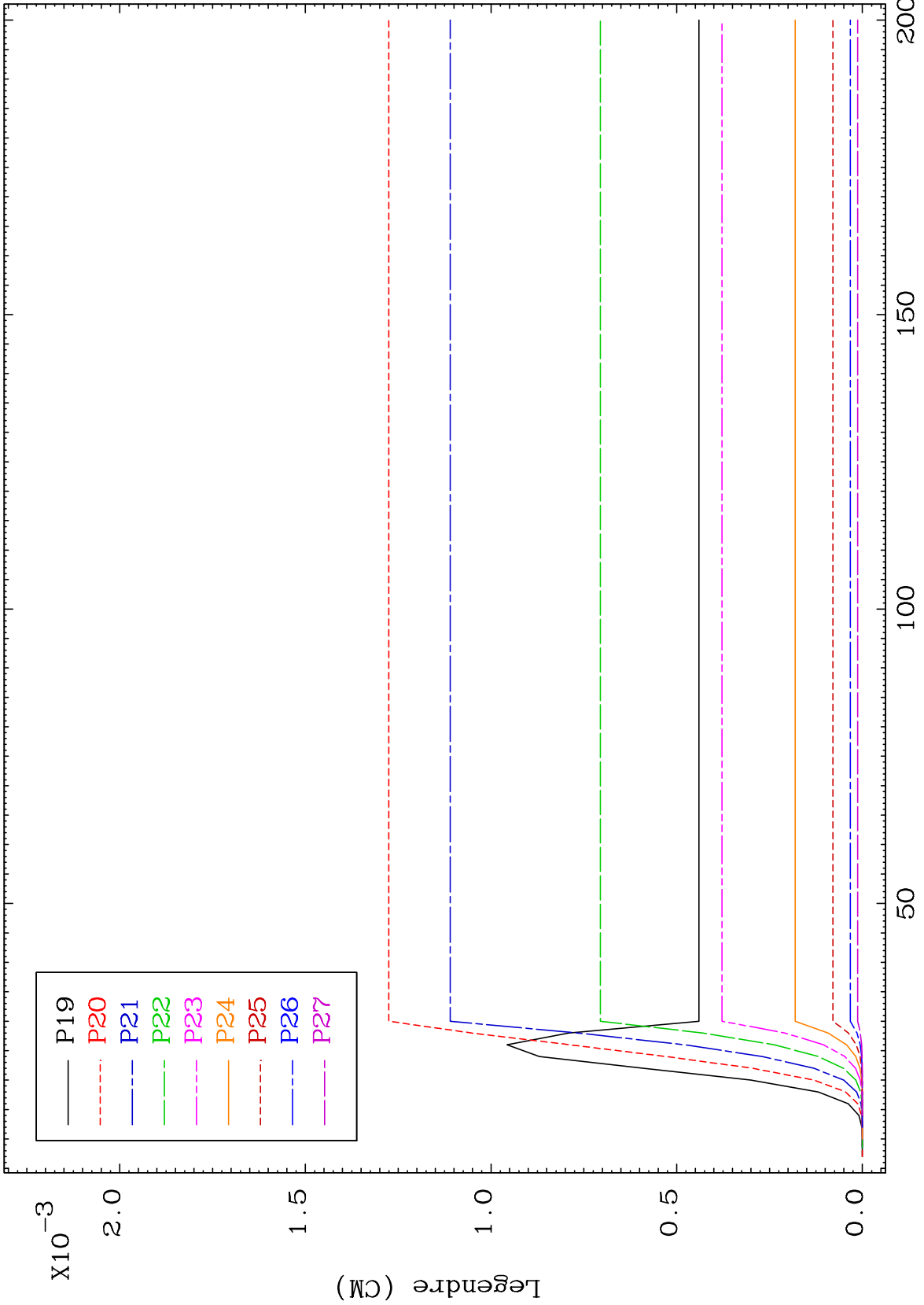
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



52

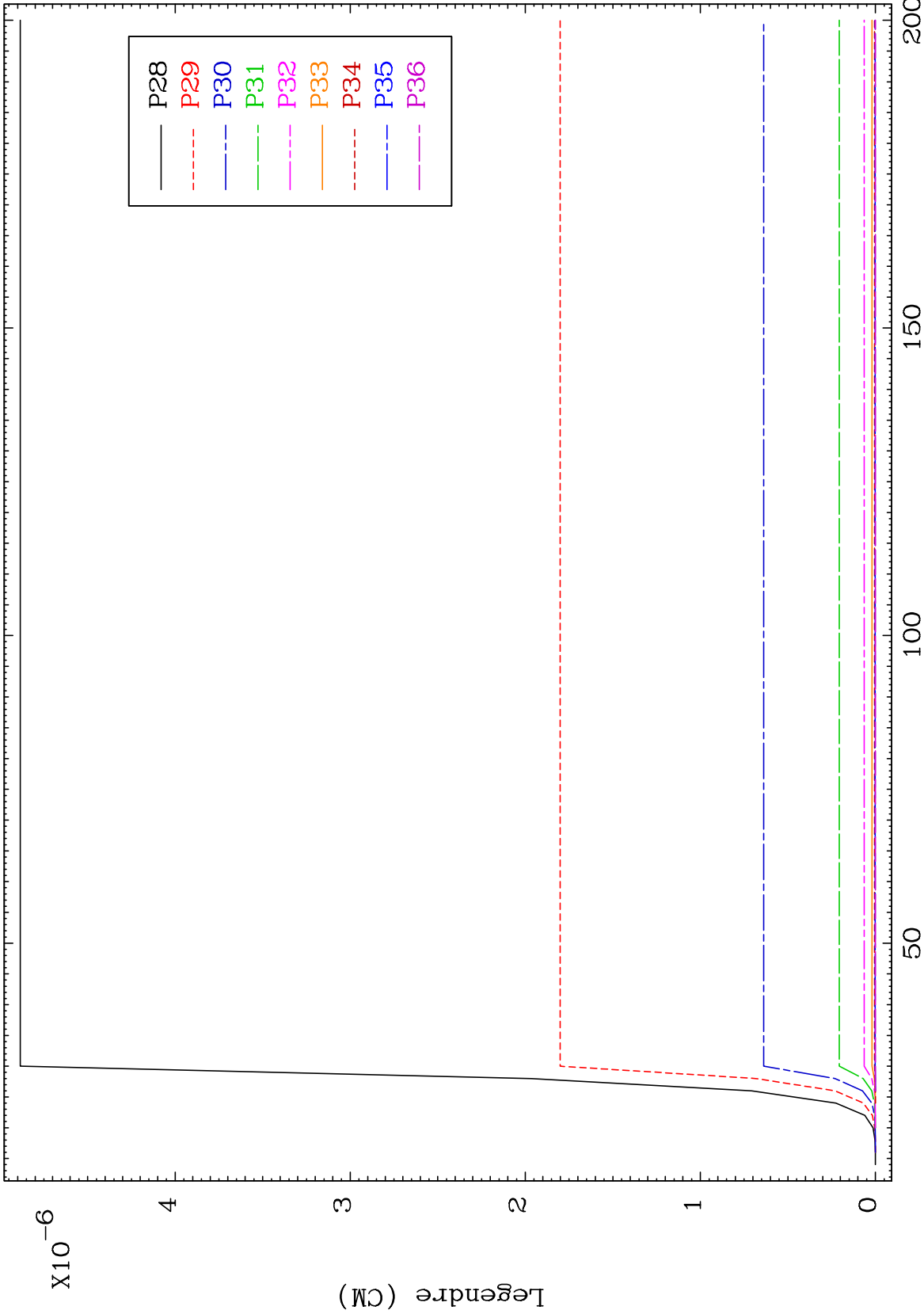
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



53

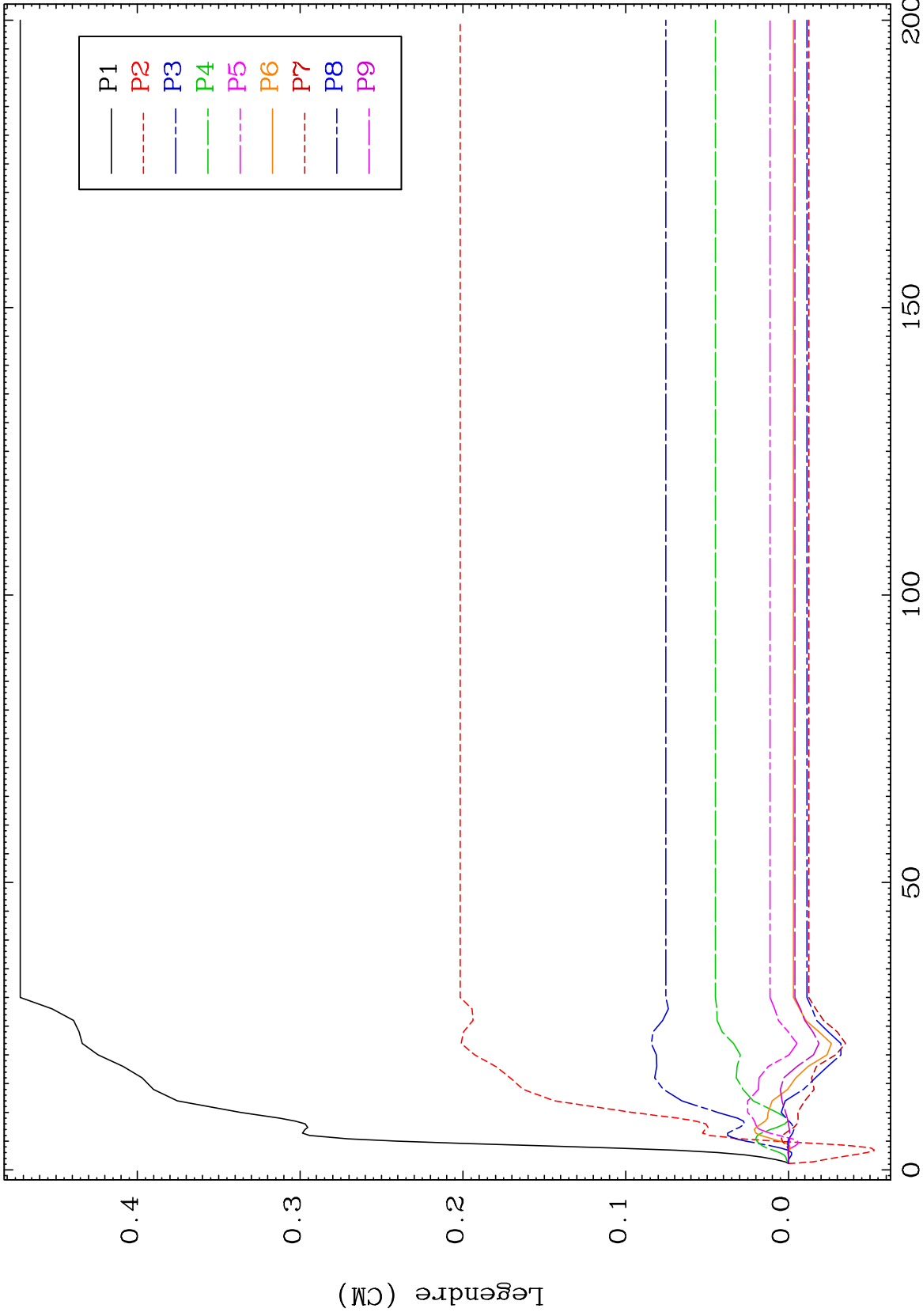
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149

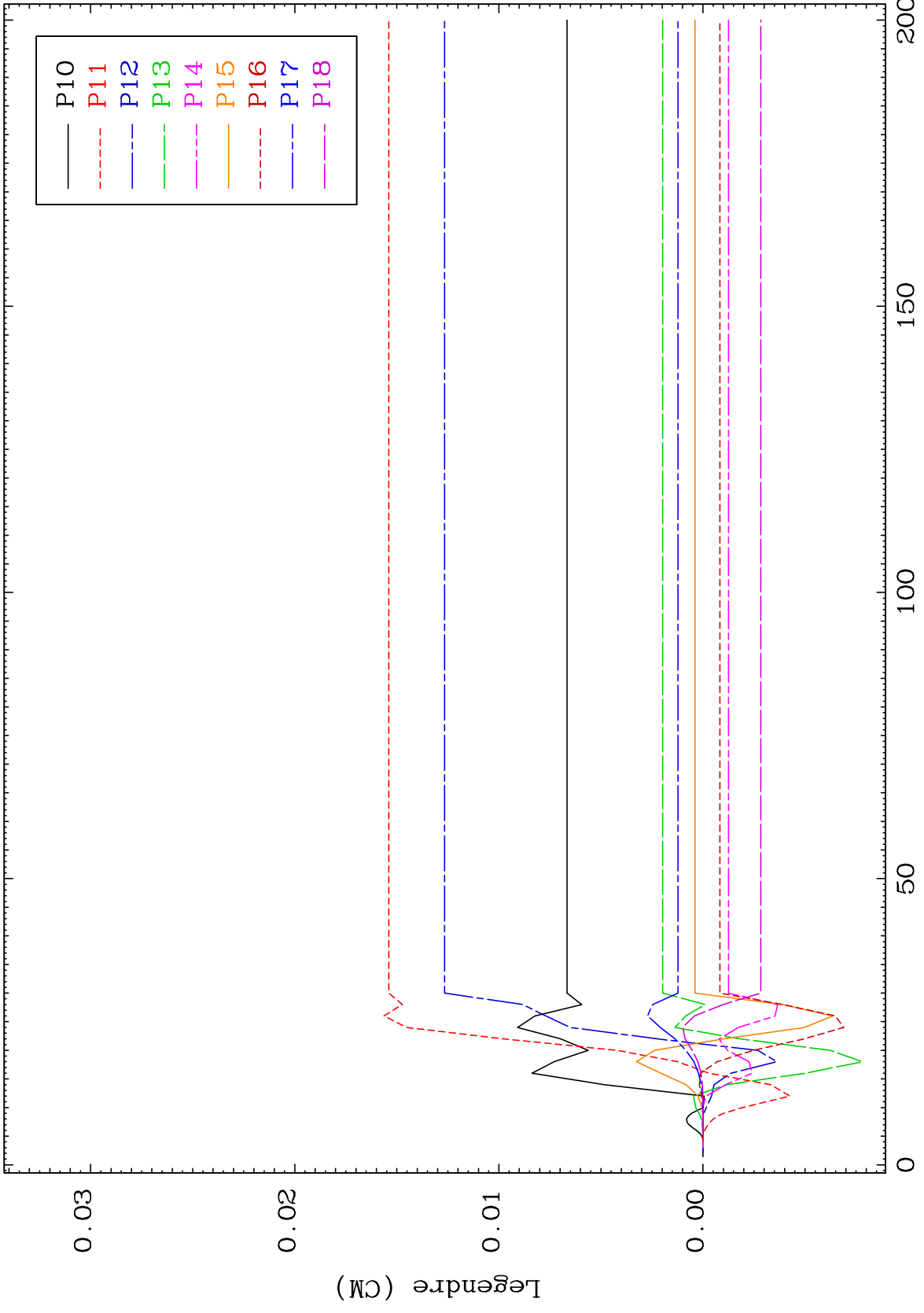


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Incident Energy (MeV)

64-Gd-149

MAT 6416 MT= 59 (n,n') Level Legendre Coefficients 64-Gd-149

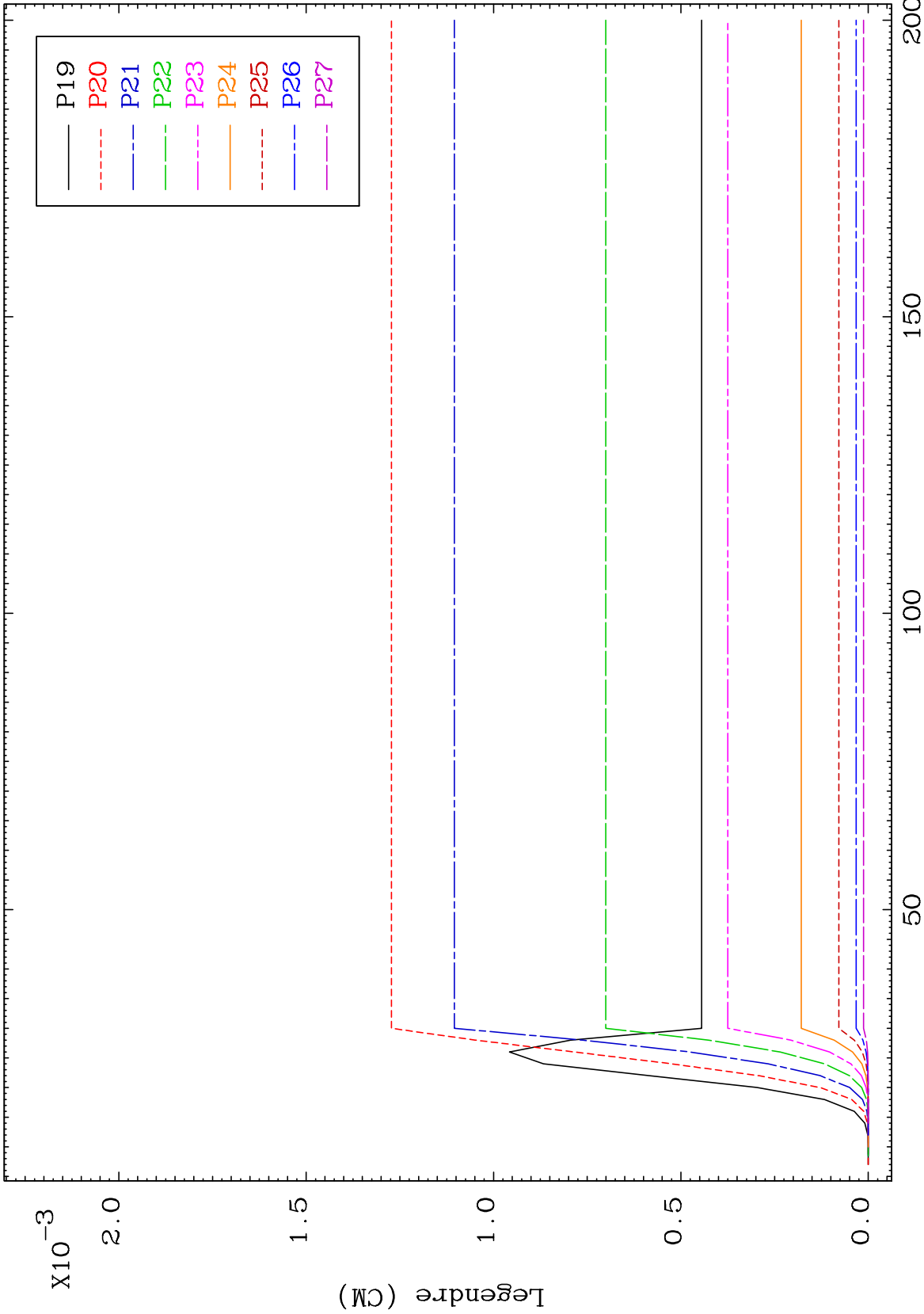


55 64-Gd-149

MAT 6416

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

64-Gd-149



56

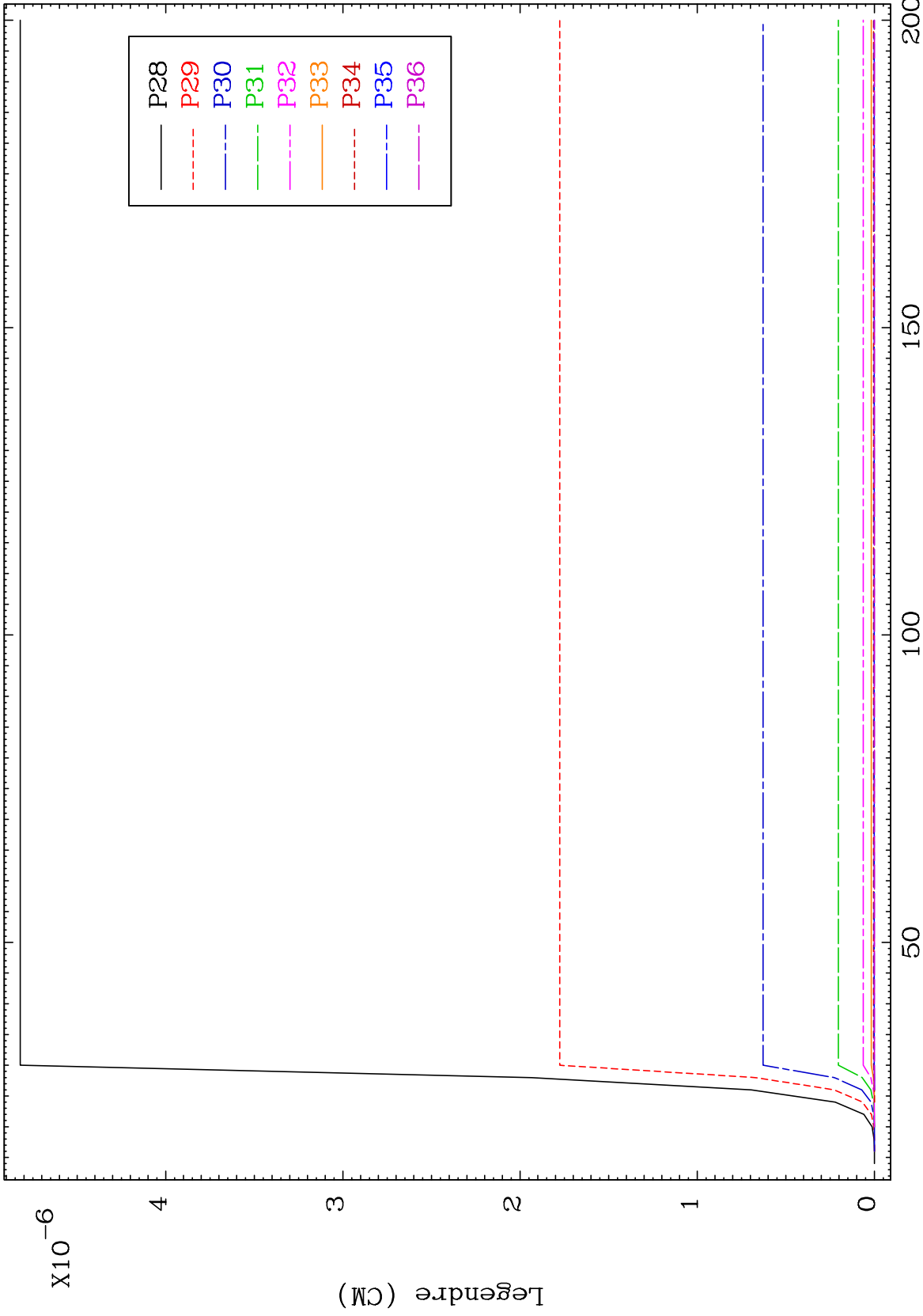
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



57

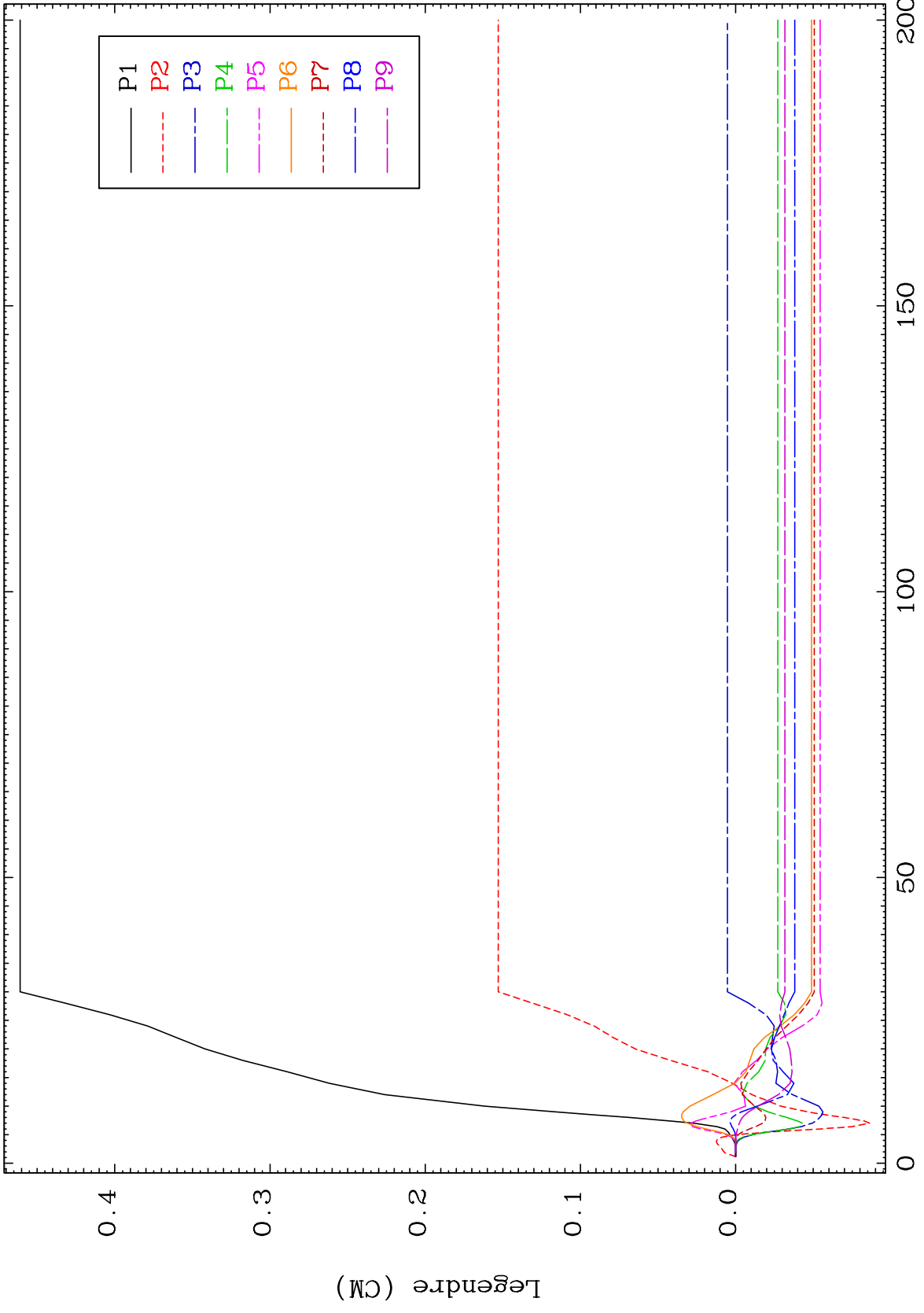
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



58

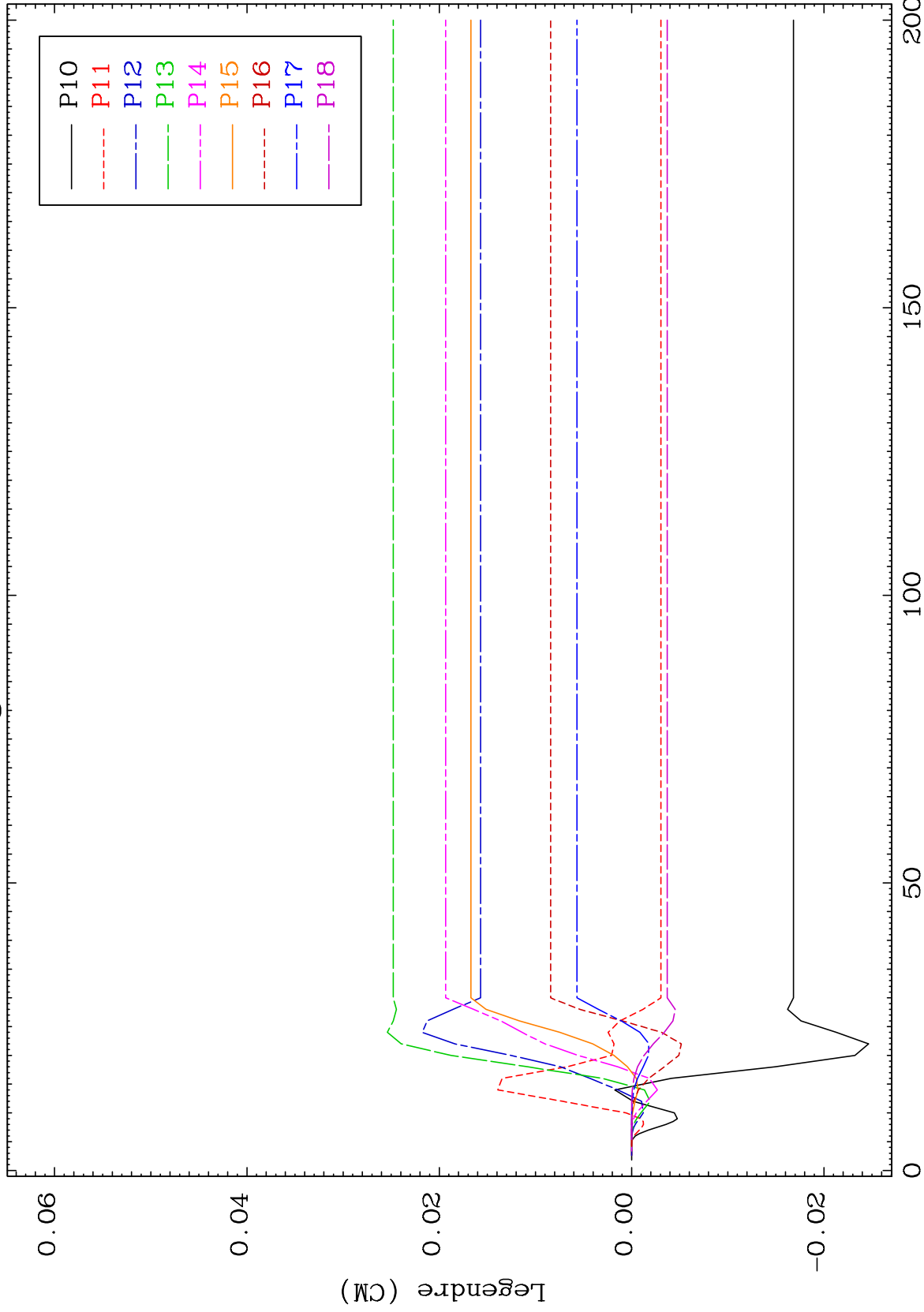
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



59

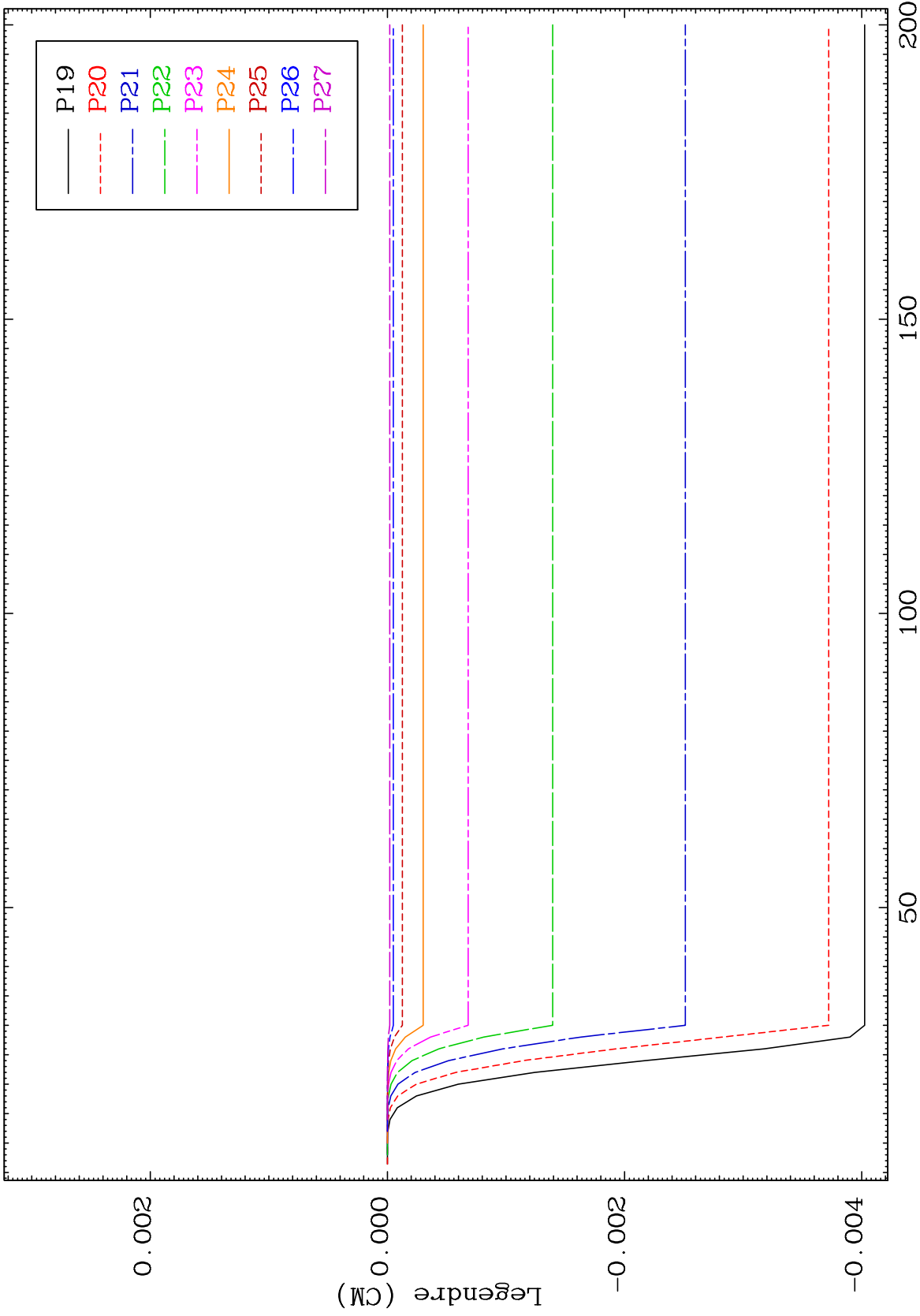
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



60

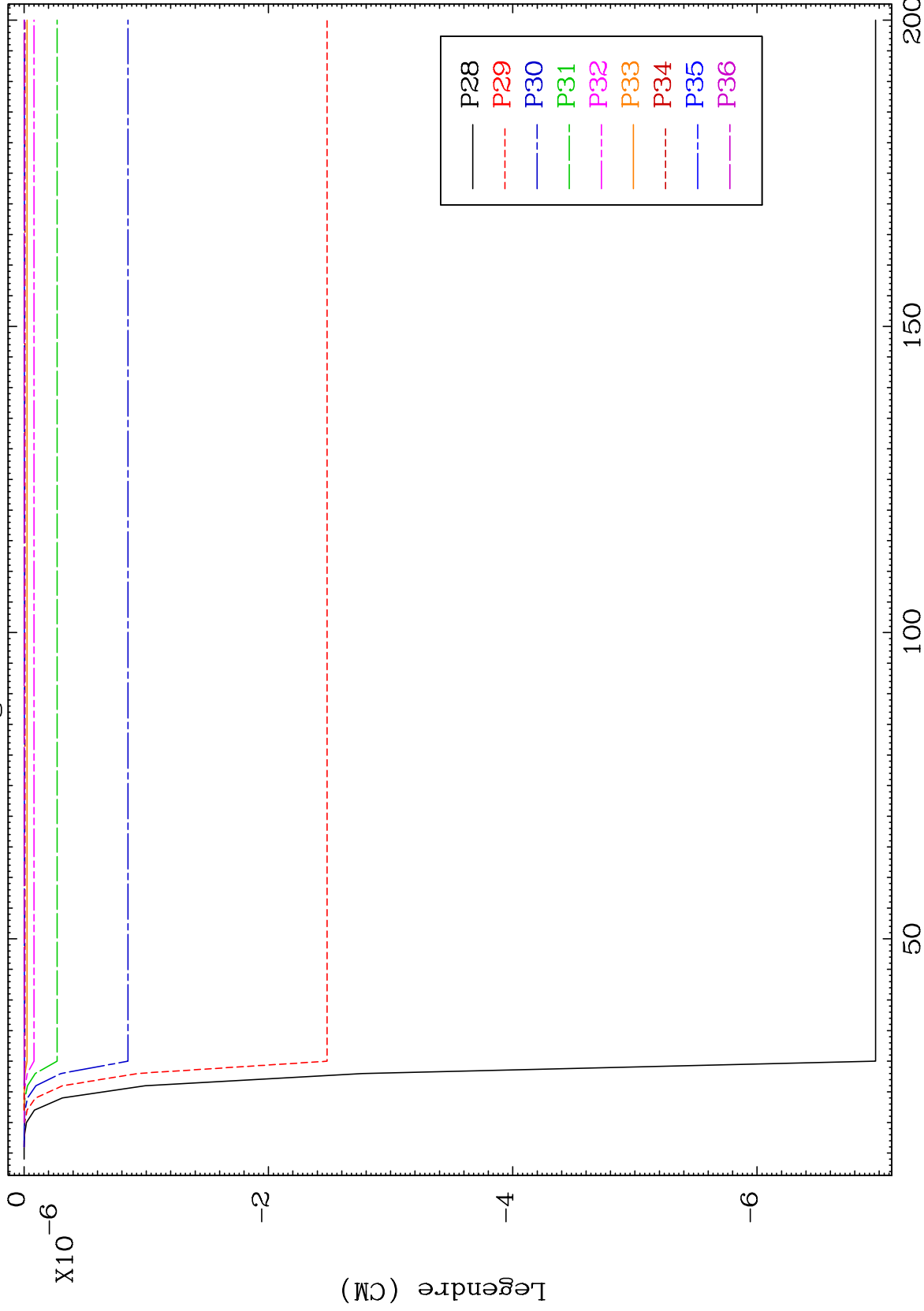
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

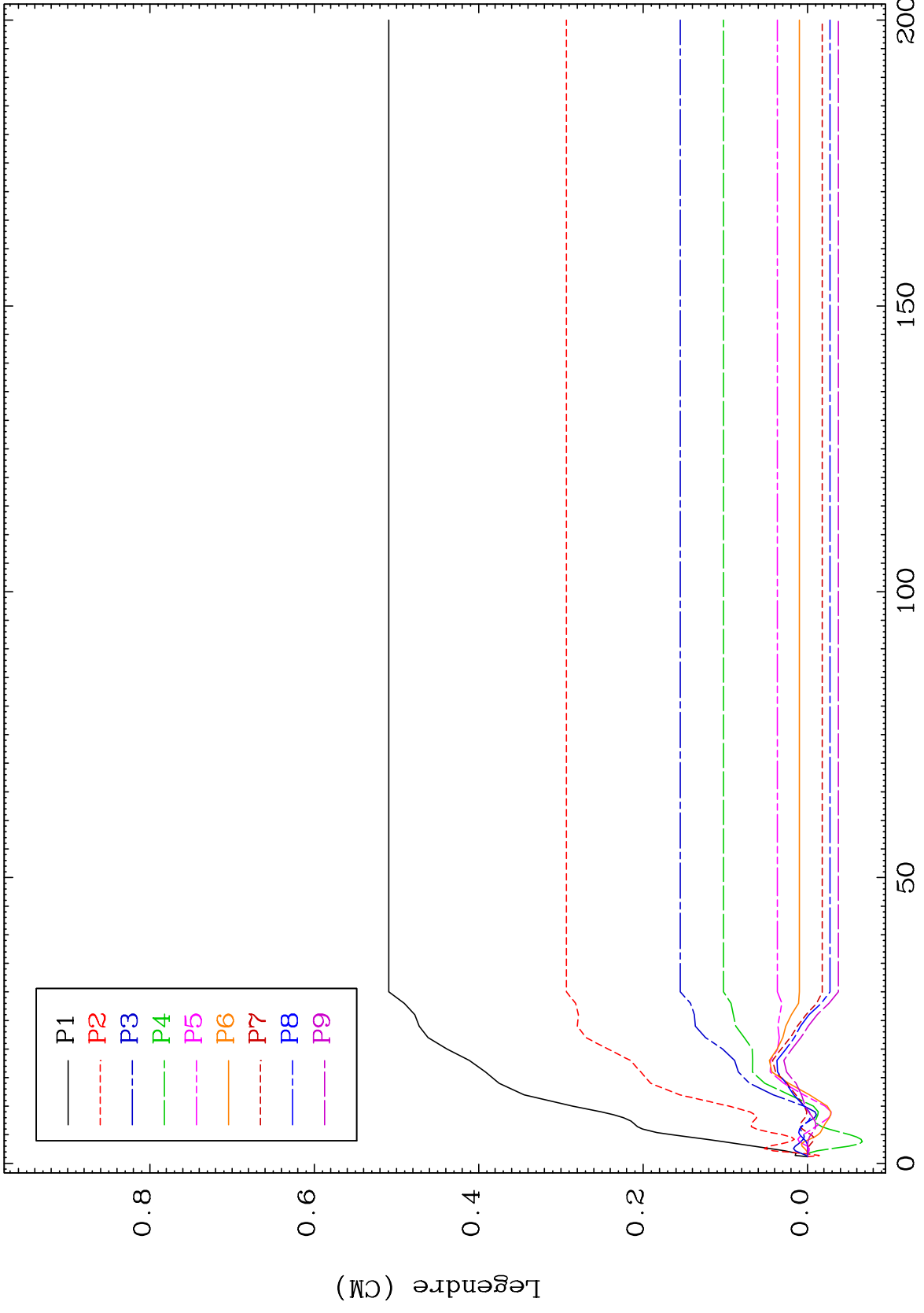
64-Gd-149



61

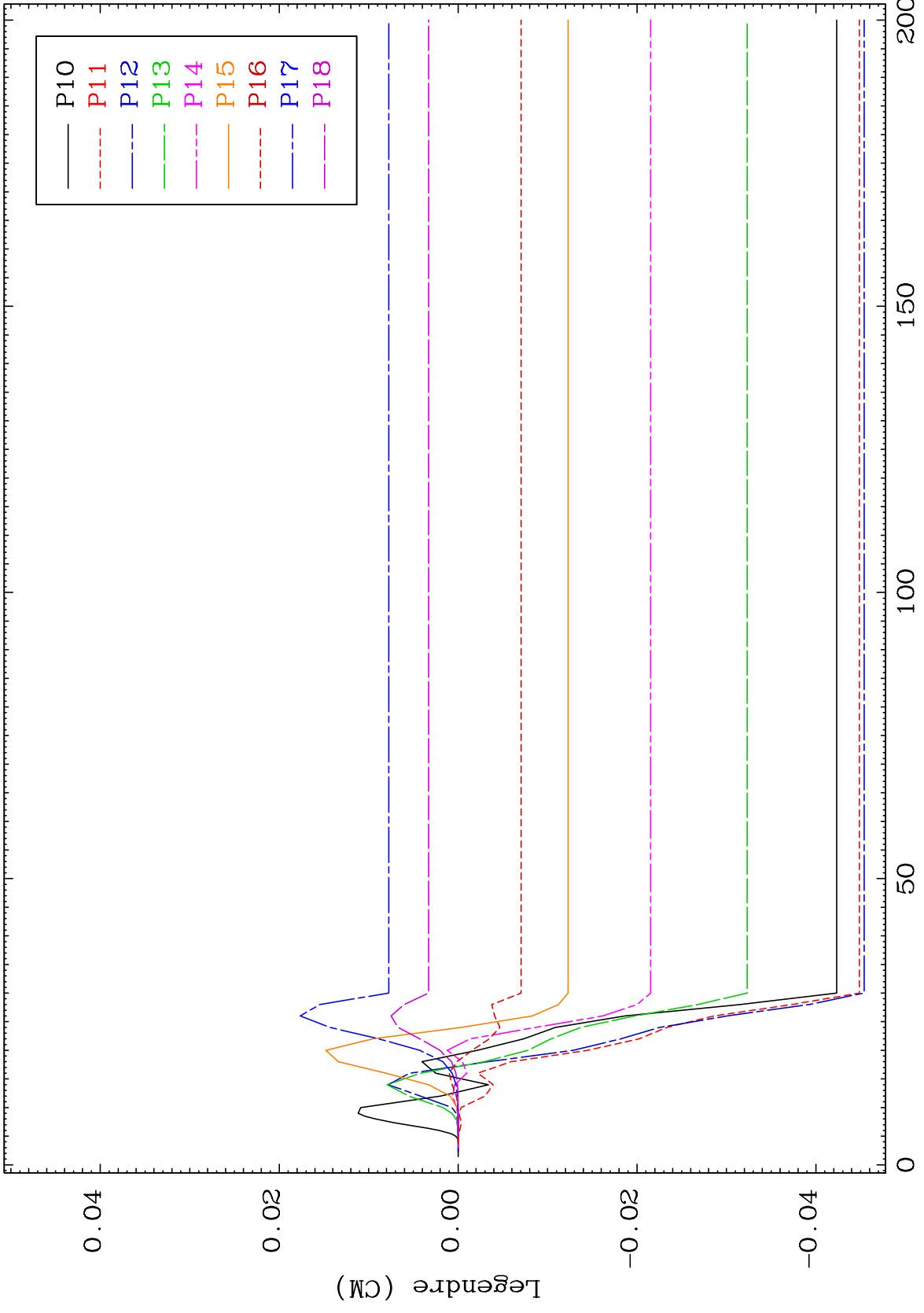
64-Gd-149

MAT 6416 MT= 61 (n,n') Level Legendre Coefficients 64-Gd-149



62 64-Gd-149

MAT 6416 MT= 61 (n,n') Level Legendre Coefficients 64-Gd-149

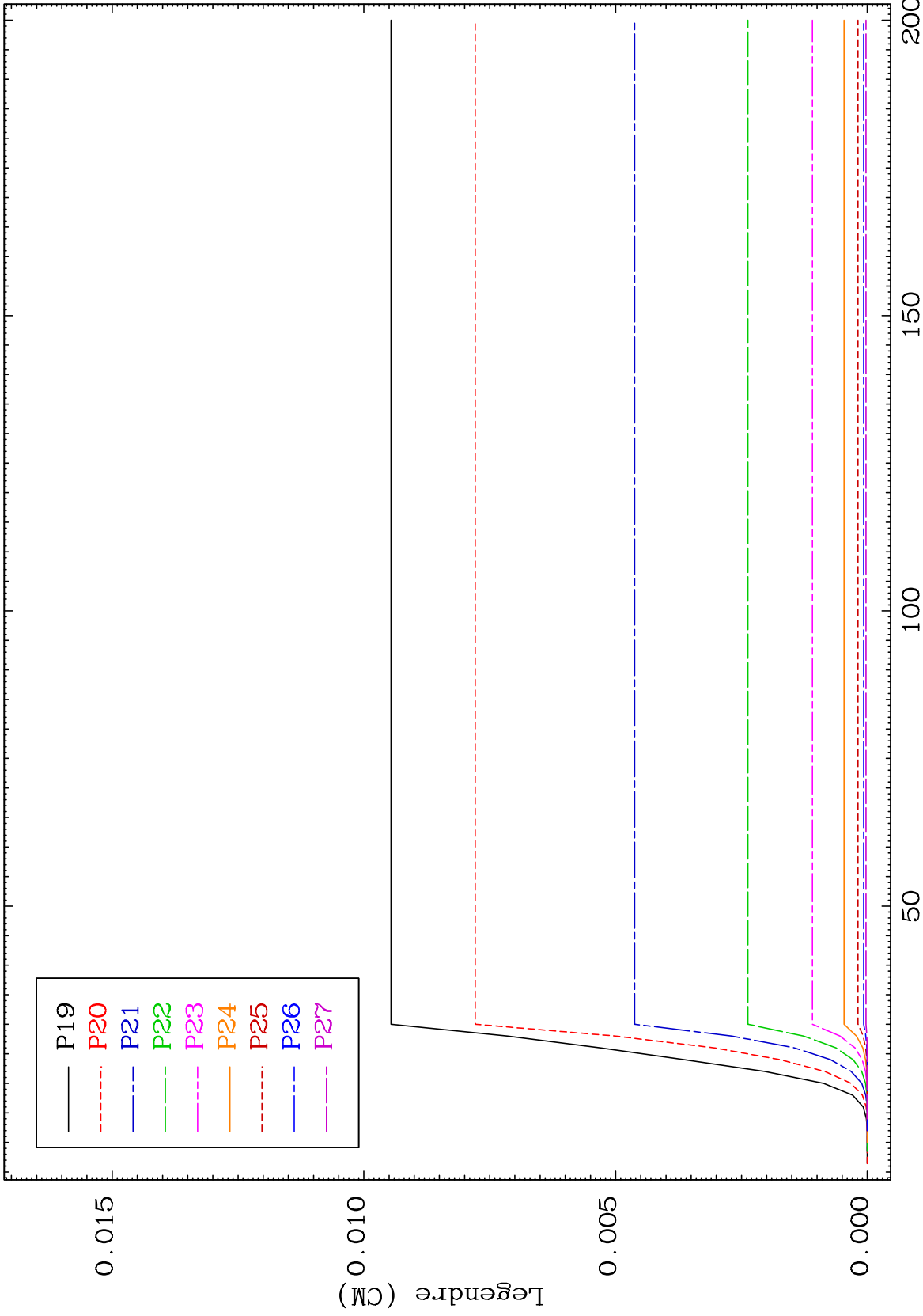


63 64-Gd-149

MAT 6416

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

64-Gd-149



64

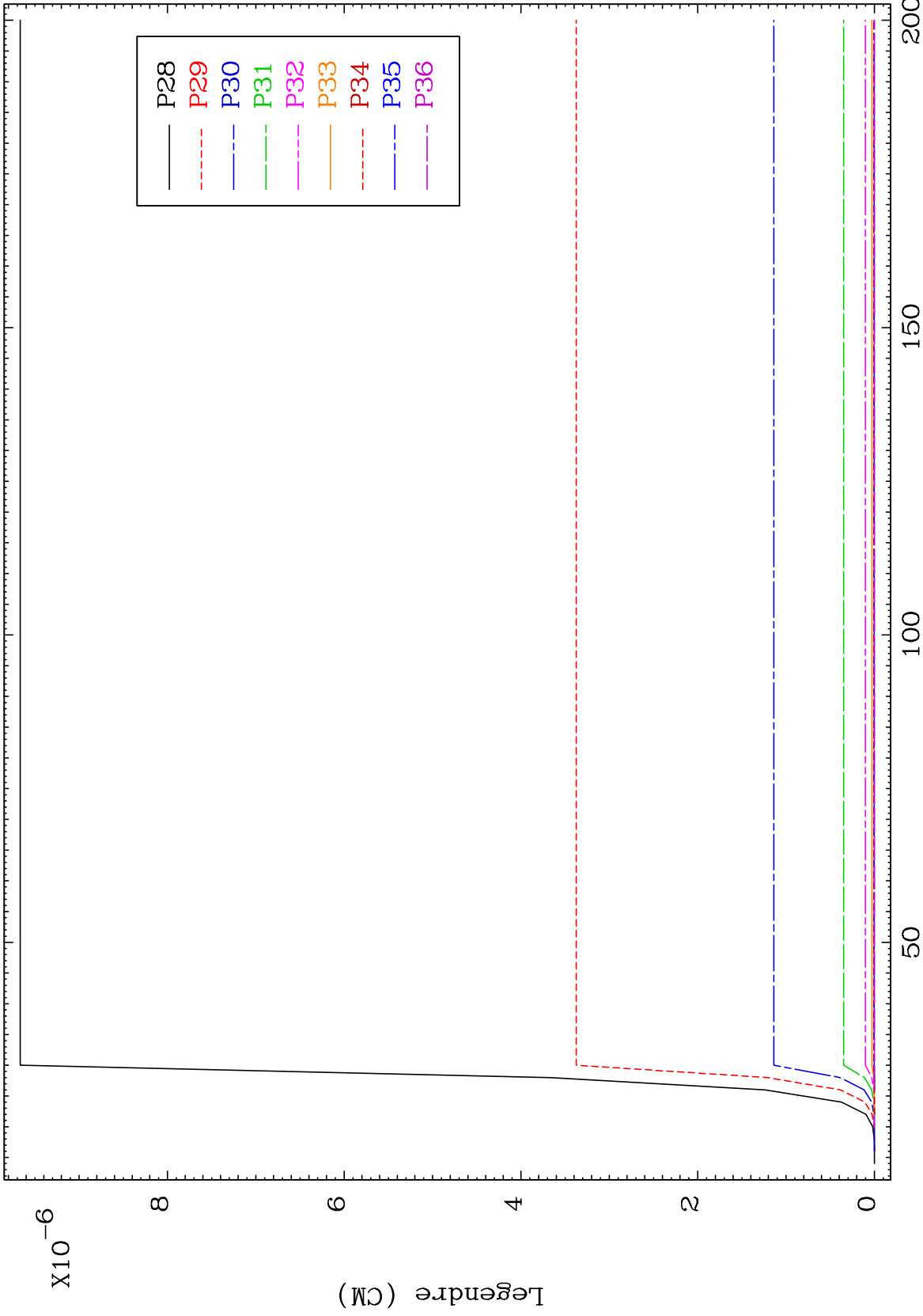
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



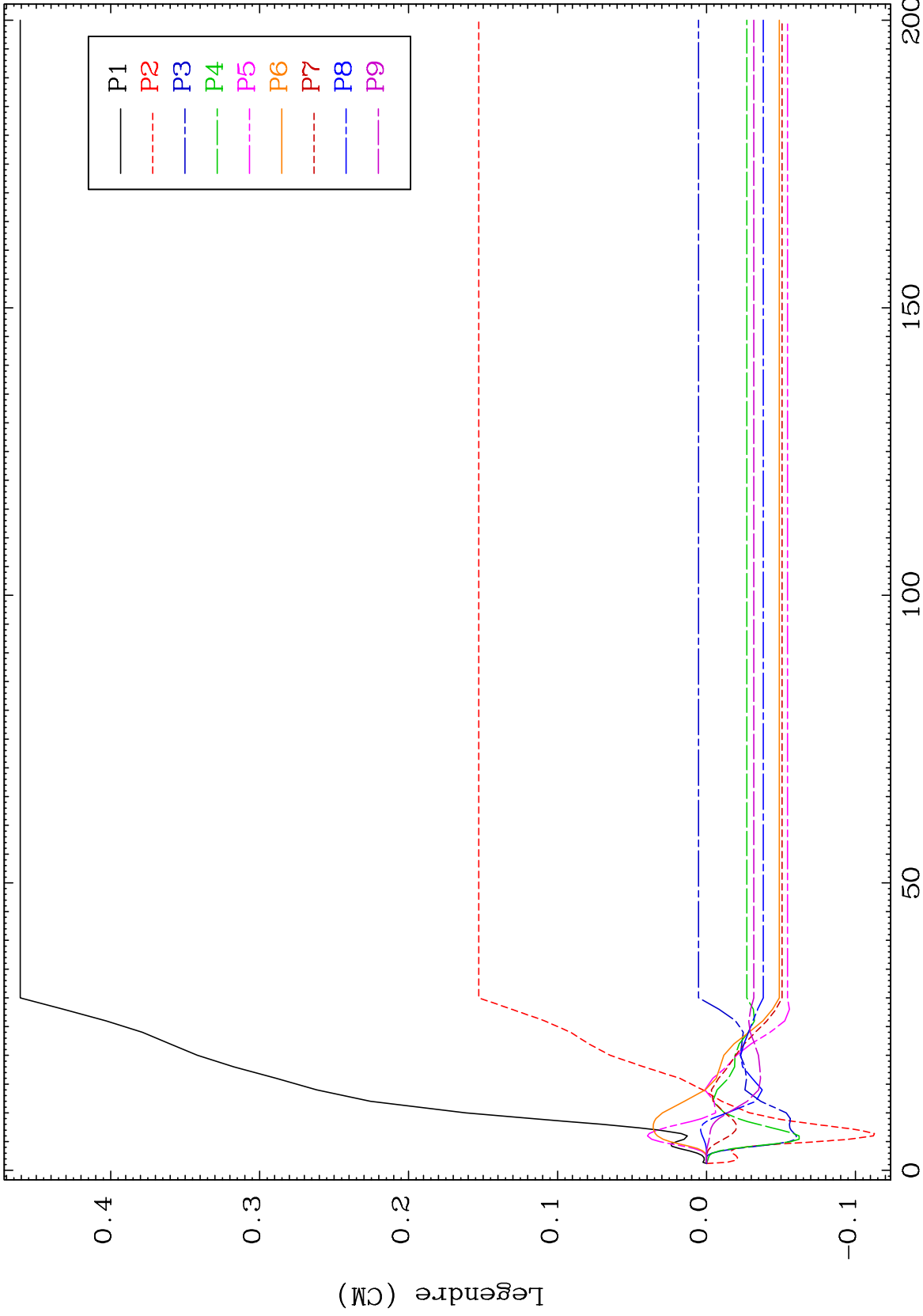
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64-Gd-149

MAT 6416

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

64-Gd-149



66

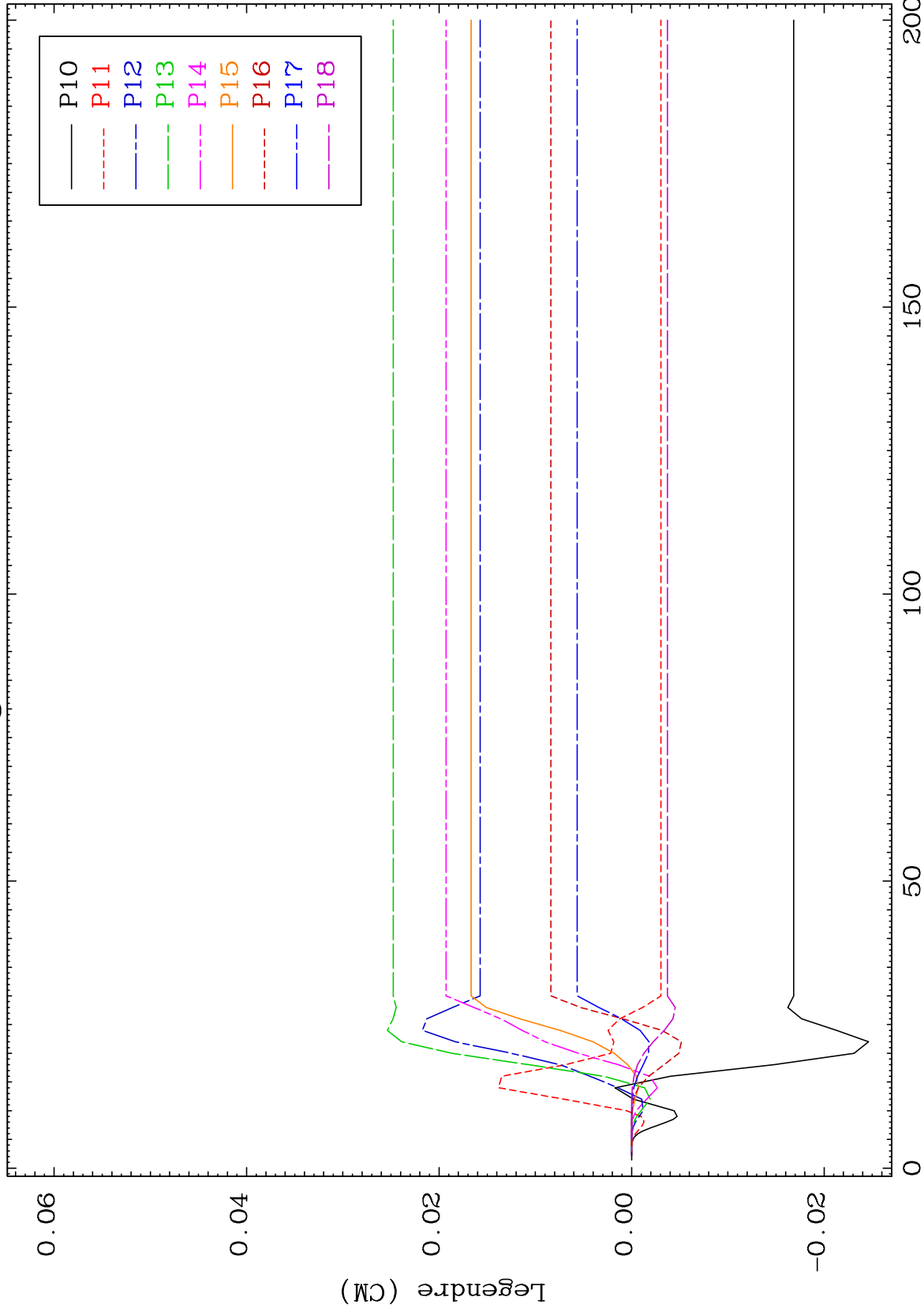
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



67

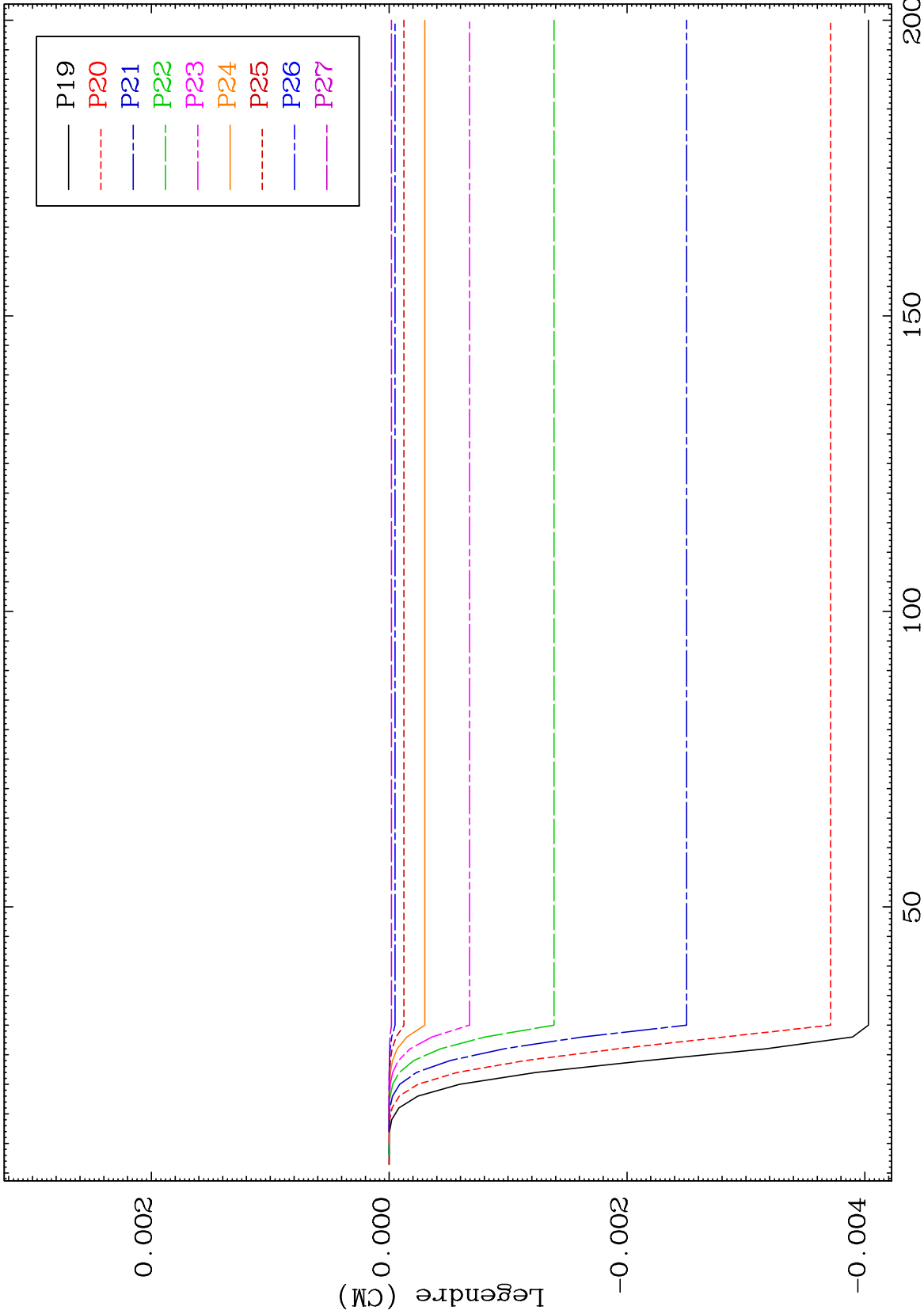
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



68

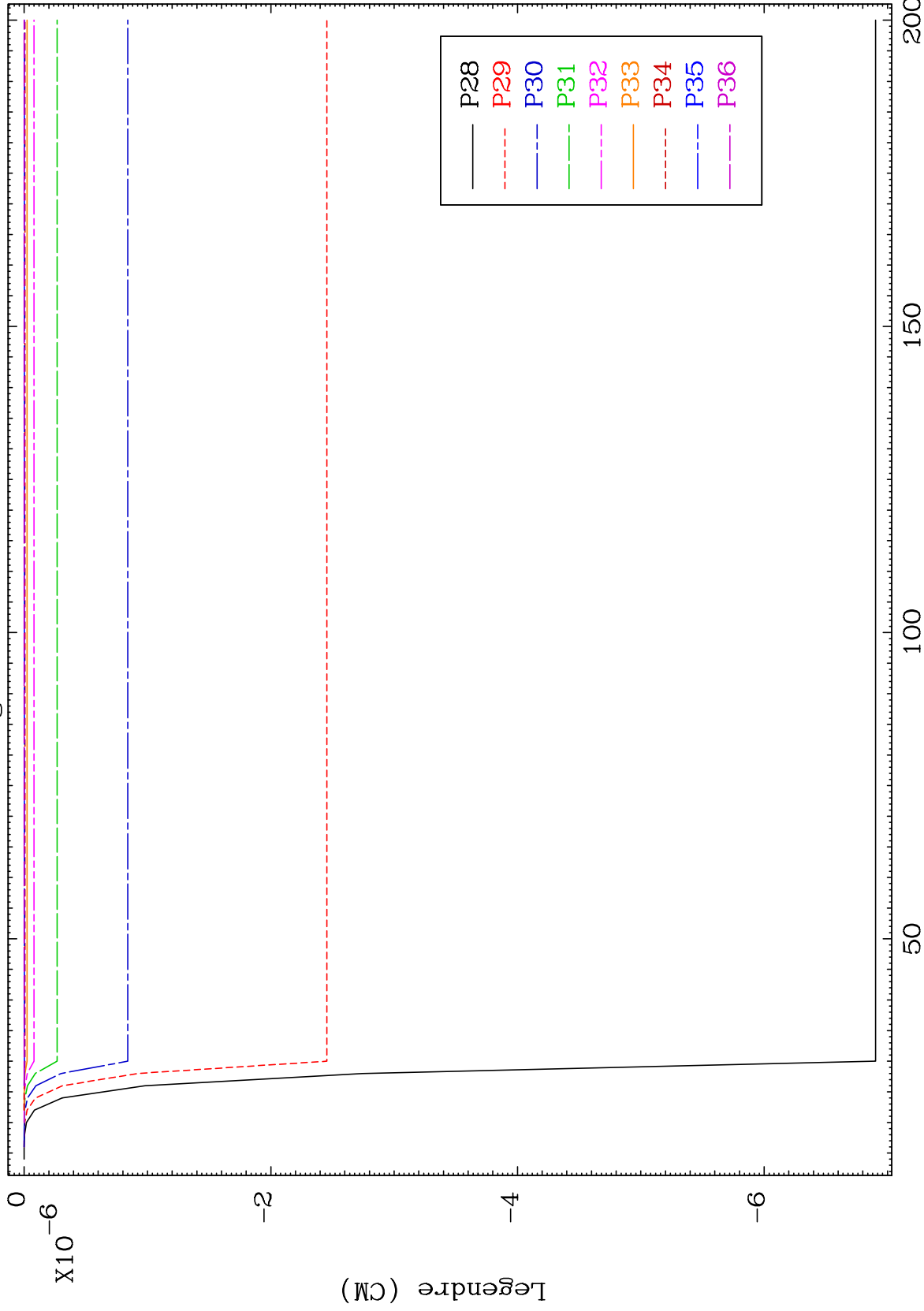
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



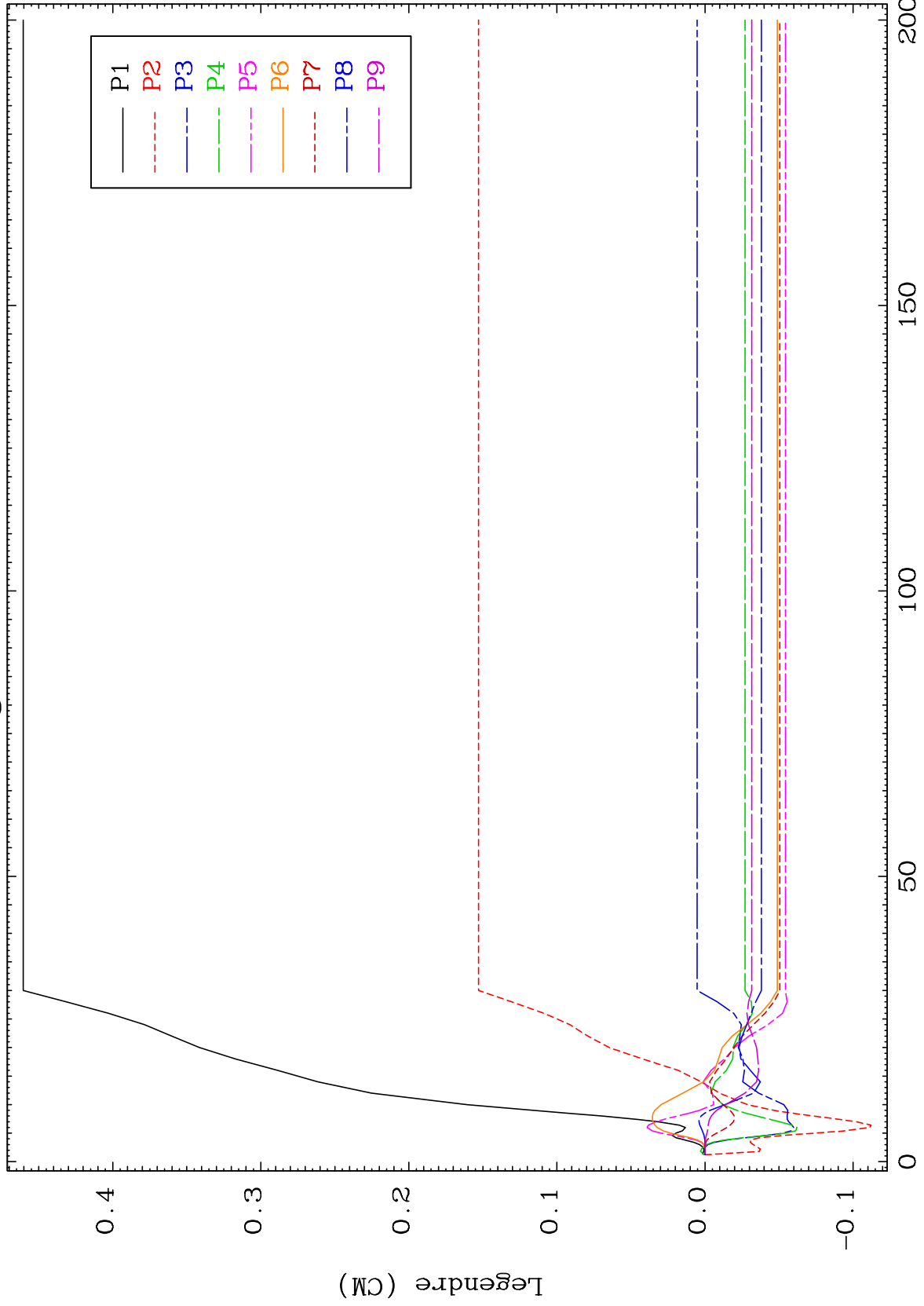
69

64-Gd-149

MAT 6416

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

64-Gd-149



64-Gd-149

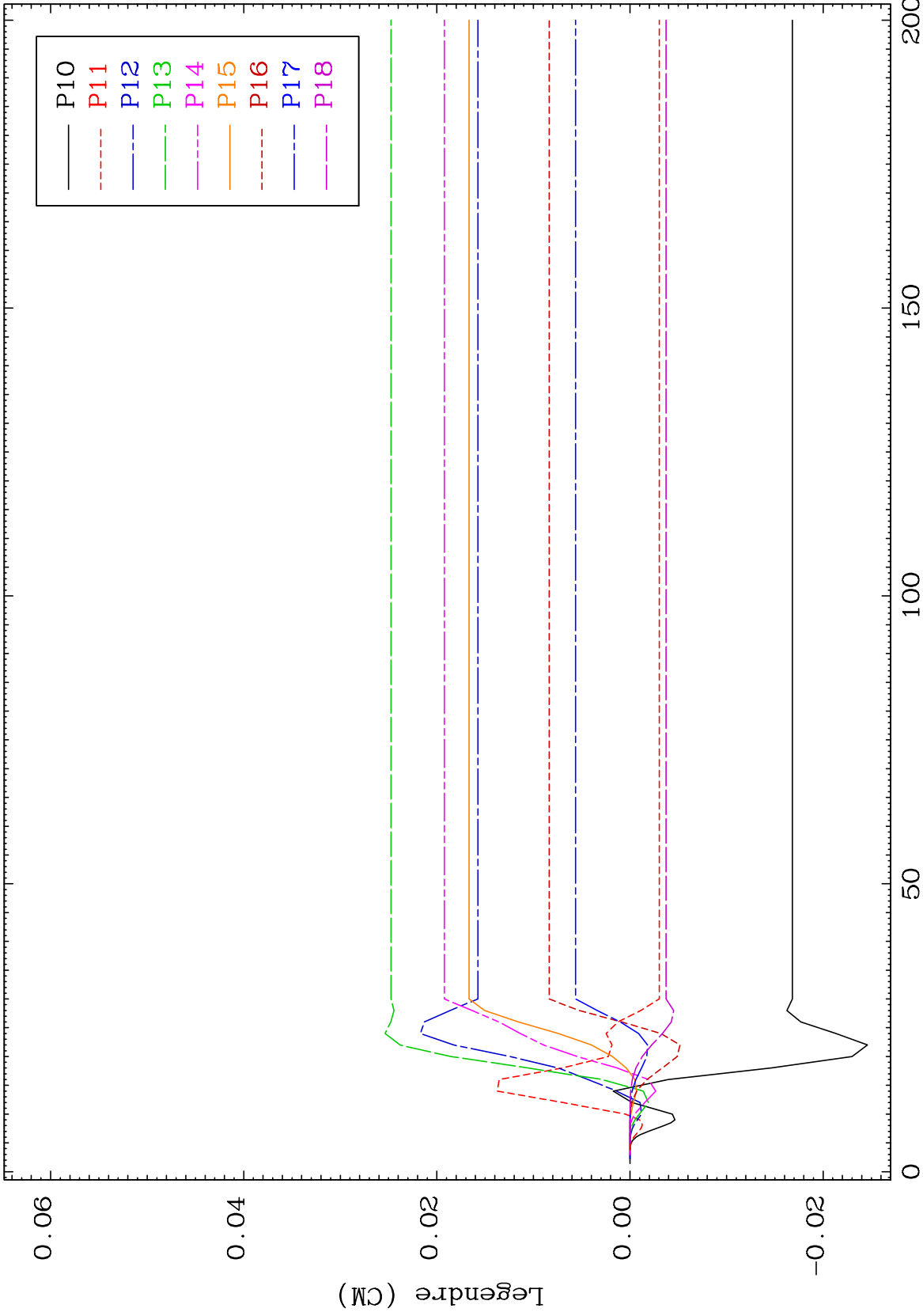
Incident Energy (MeV)

70

MAT 6416

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

64-Gd-149



71

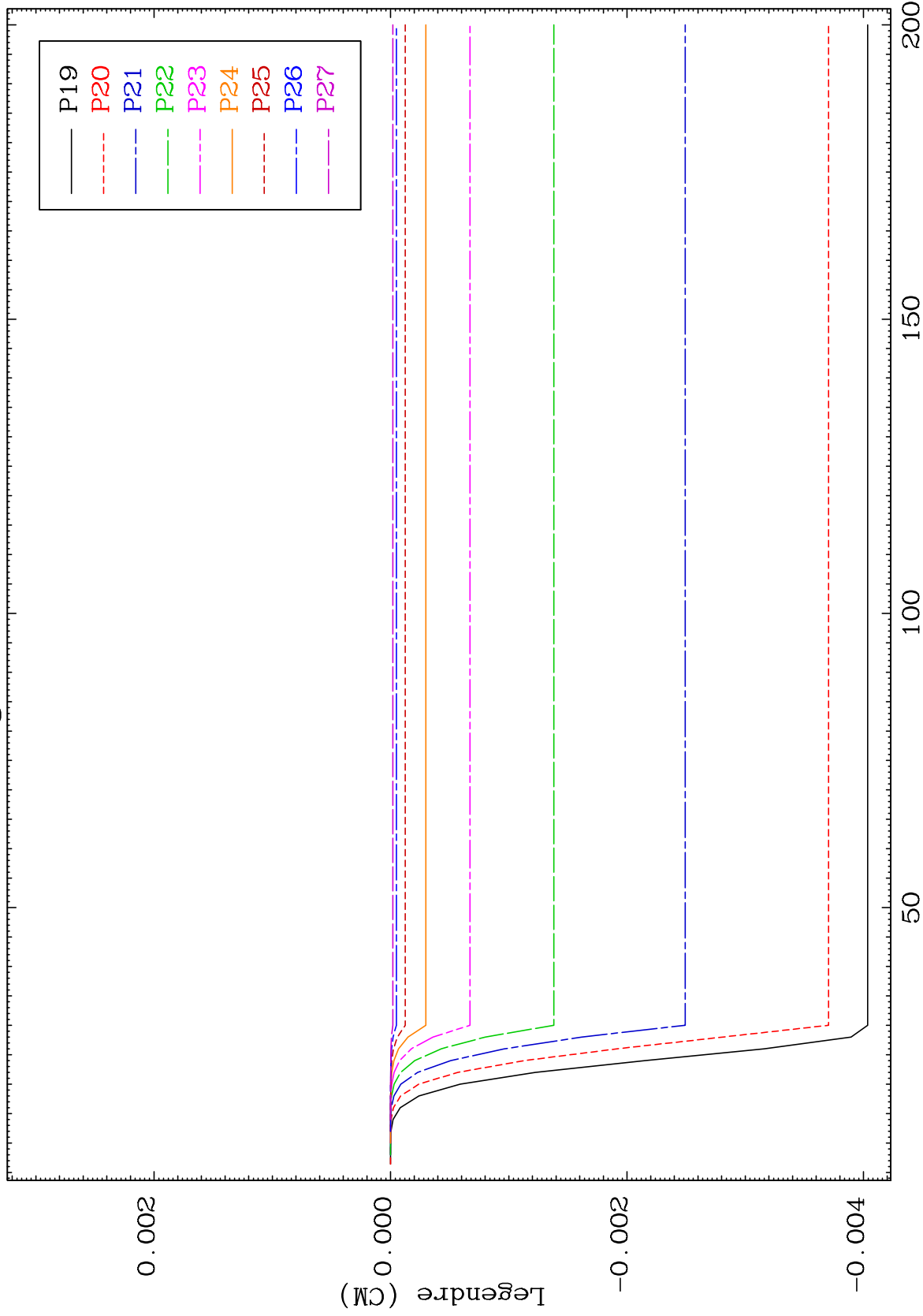
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



72

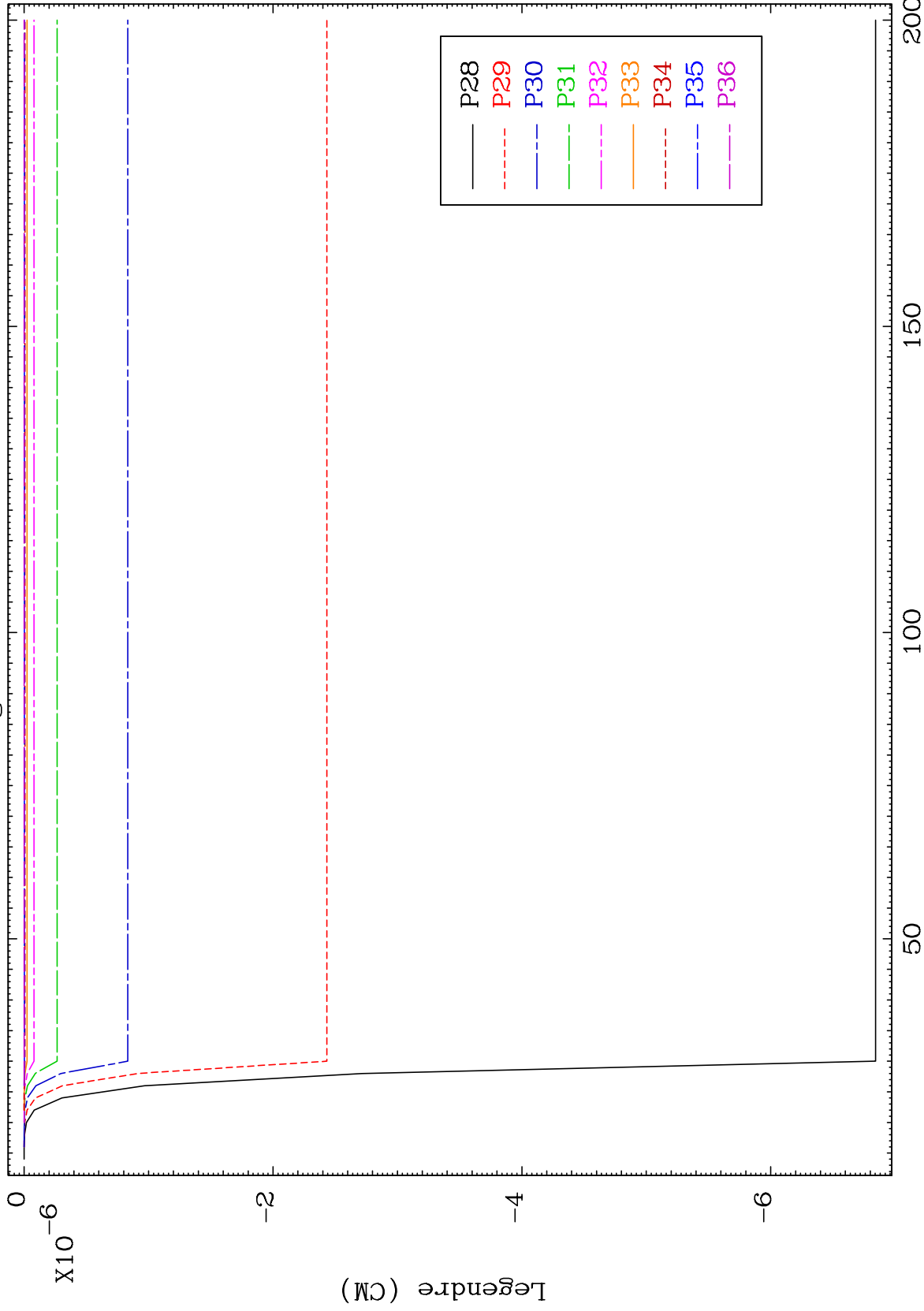
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

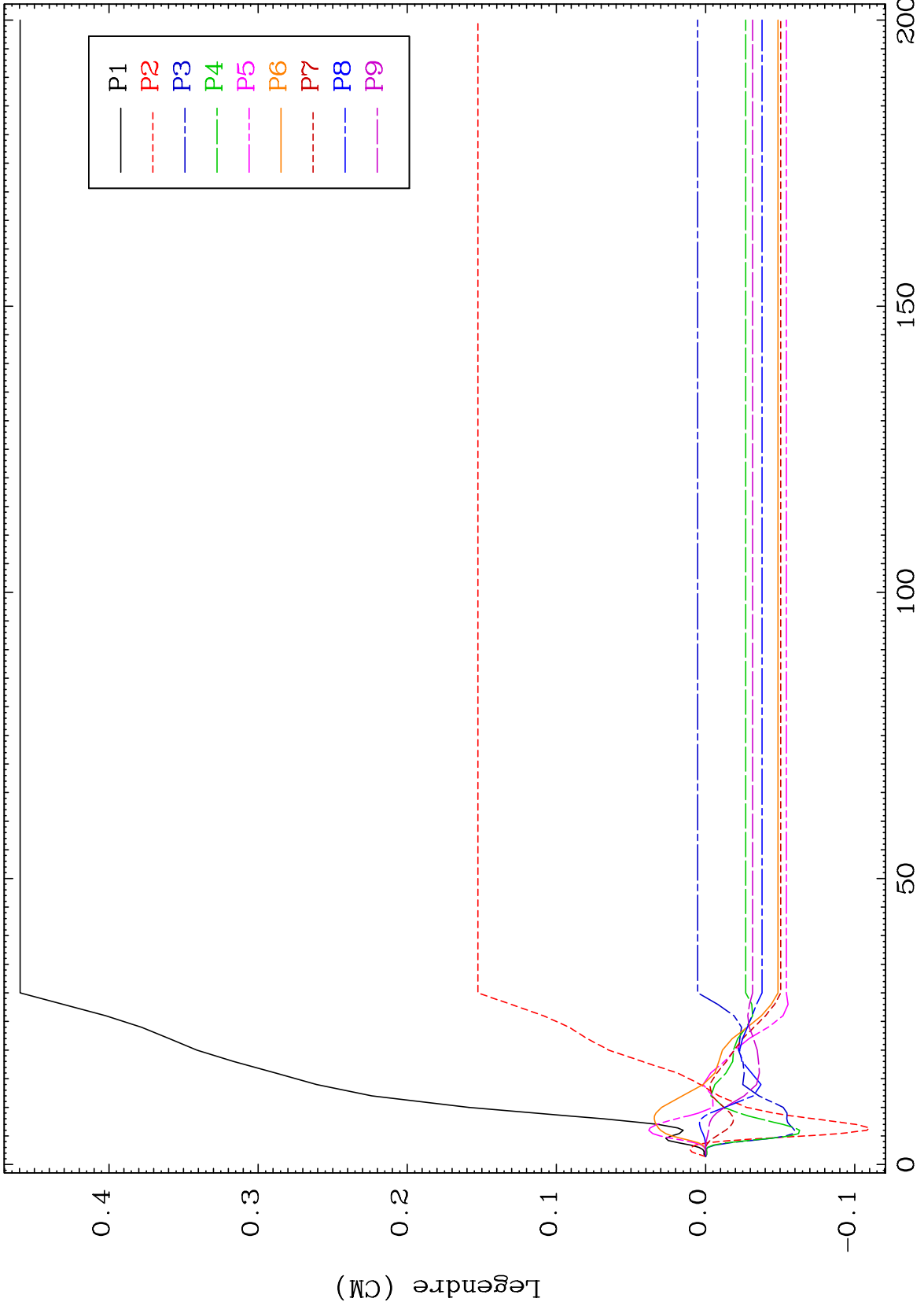
64-Gd-149



64-Gd-149

73

MAT 6416 MT= 64 (n,n') Level Legendre Coefficients 64-Gd-149

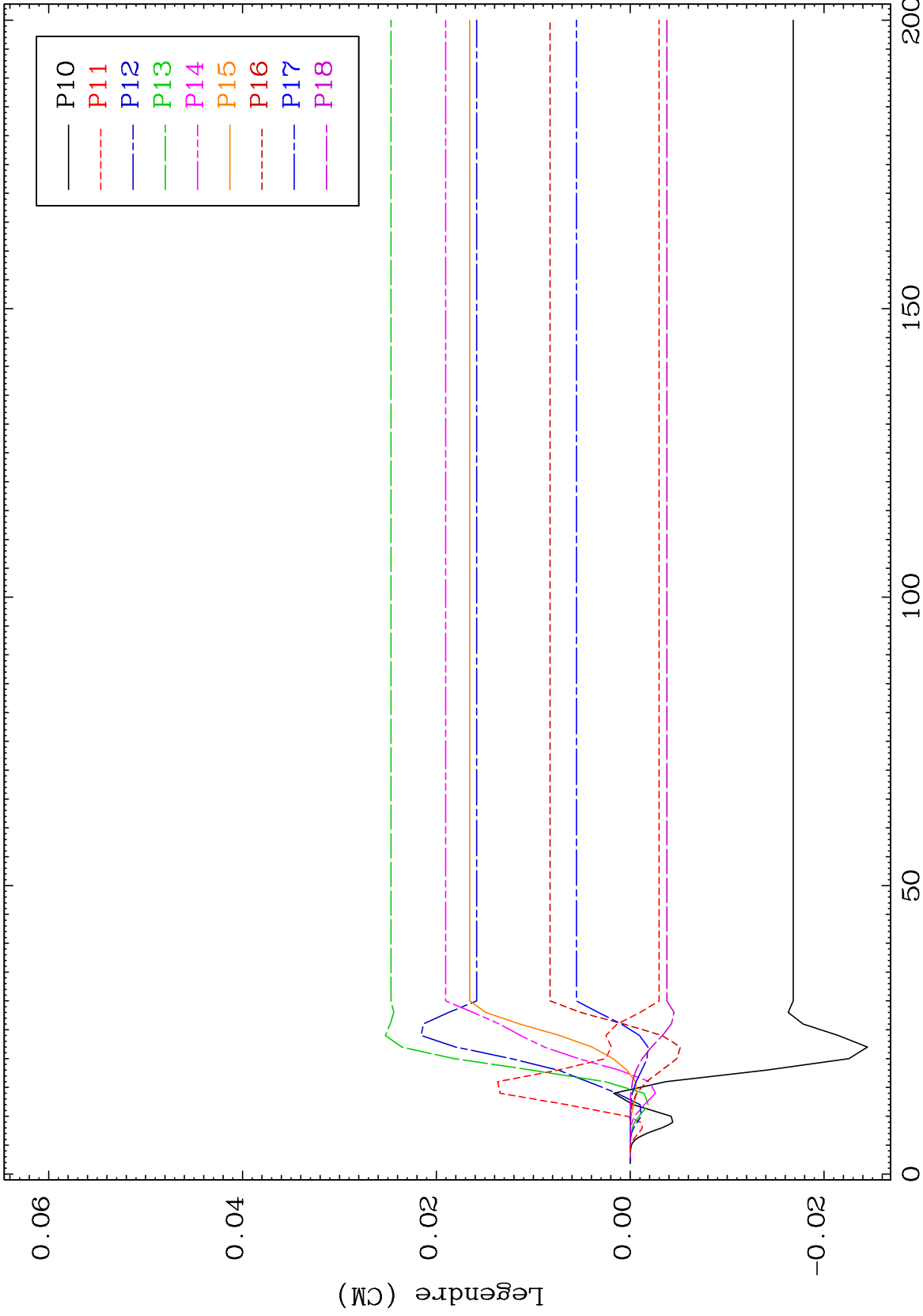


74 64-Gd-149

MAT 6416

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

64-Gd-149



75

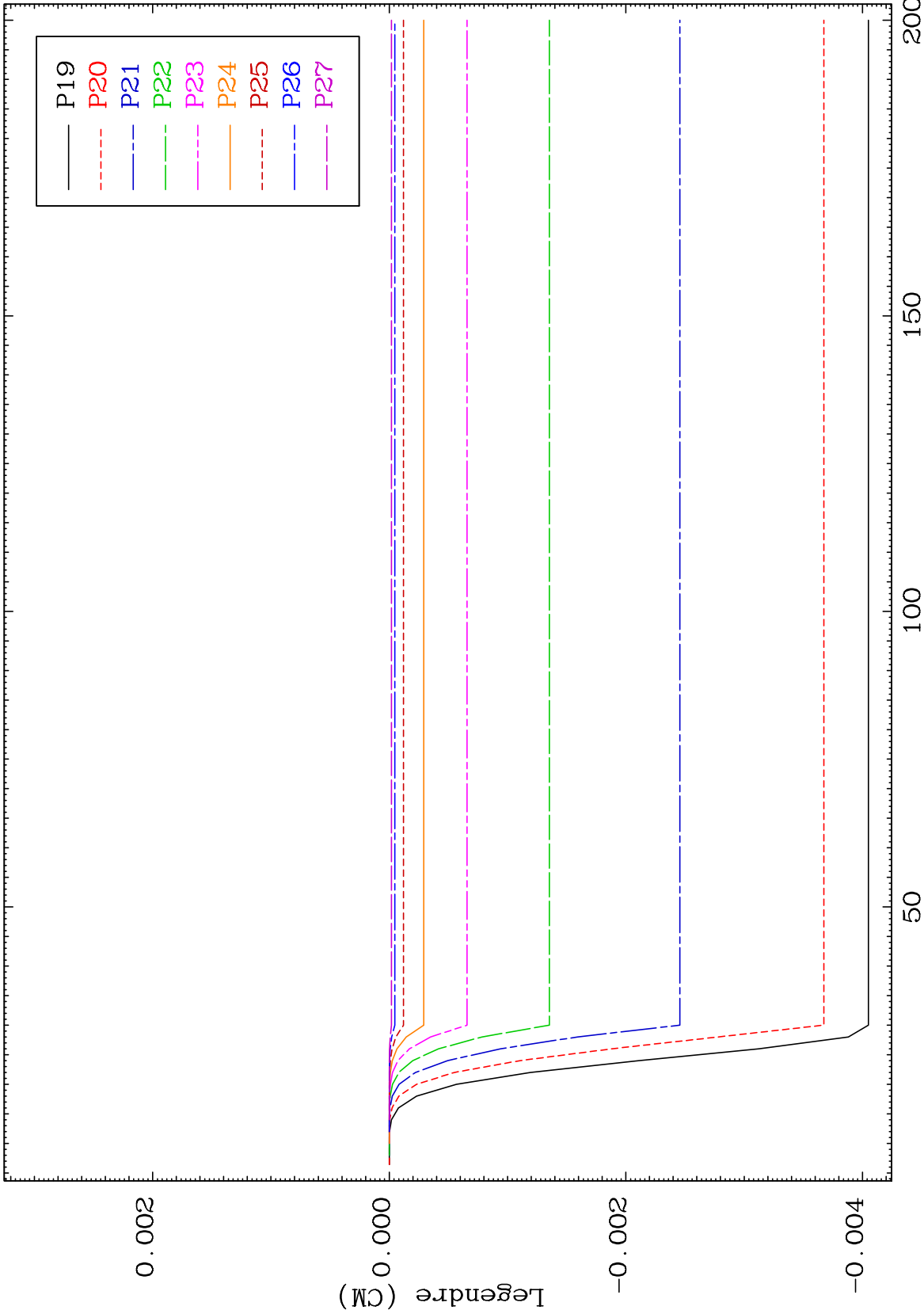
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



76

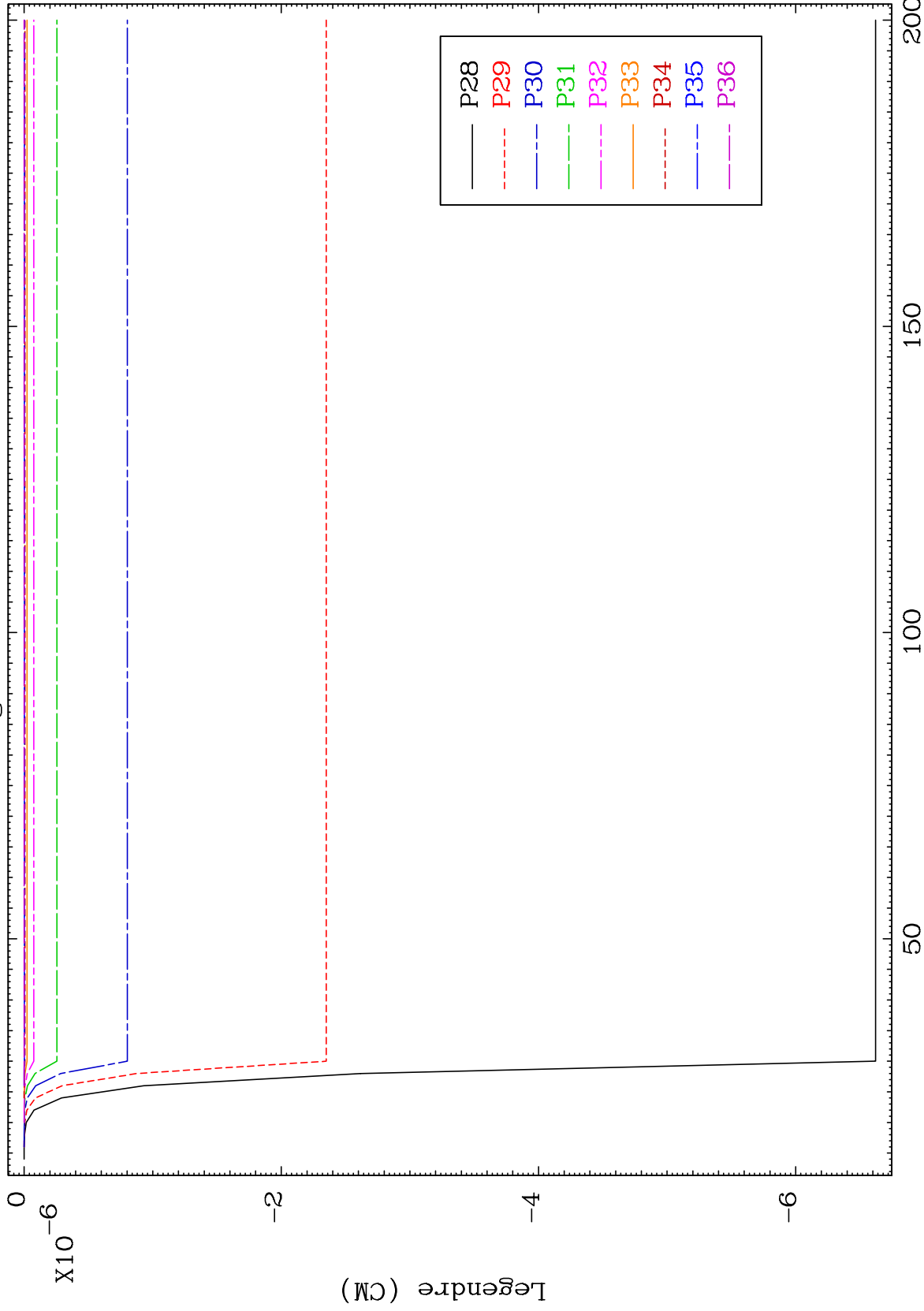
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



64-Gd-149

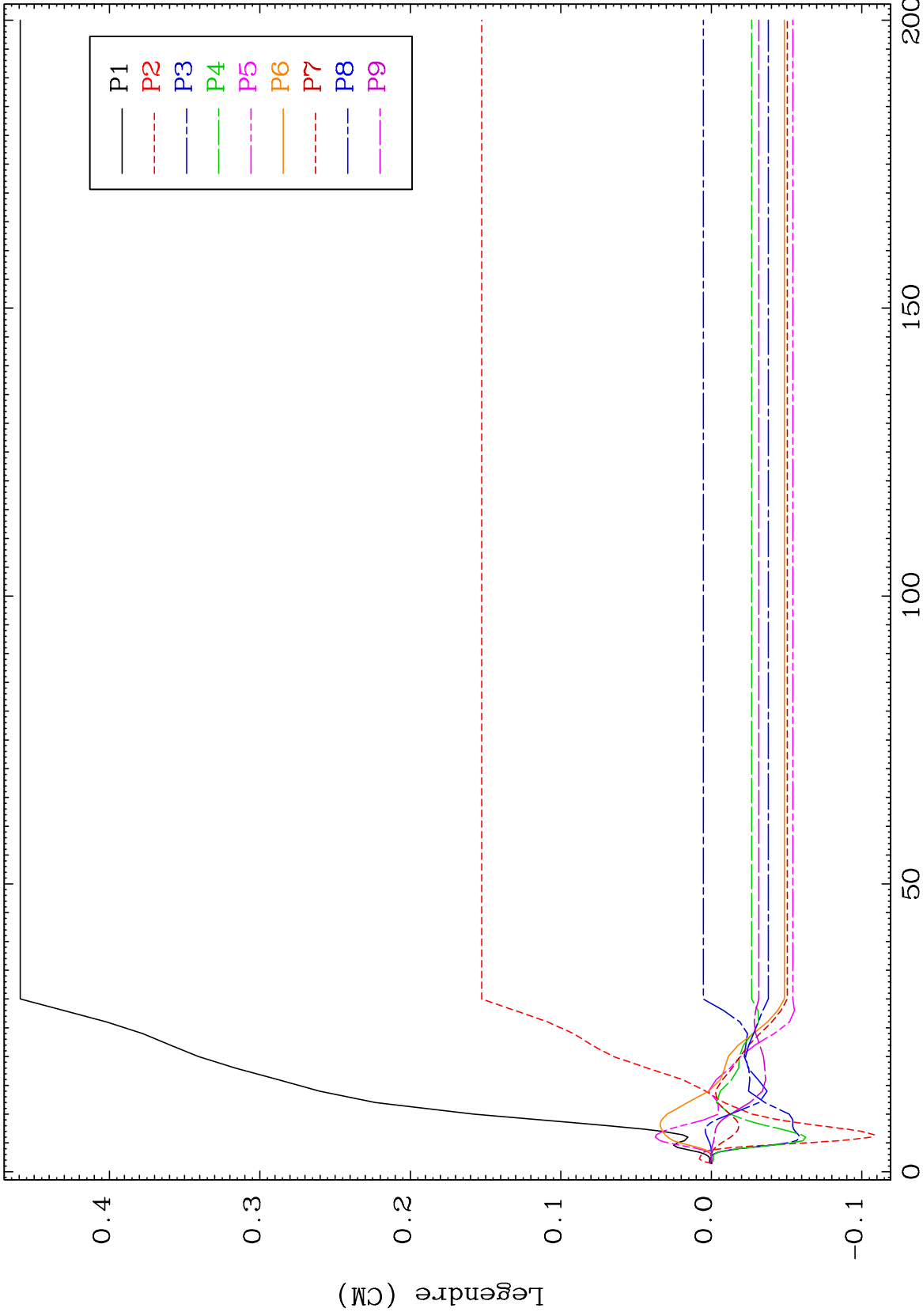
Incident Energy (MeV)

77

MAT 6416

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

64-Gd-149



78

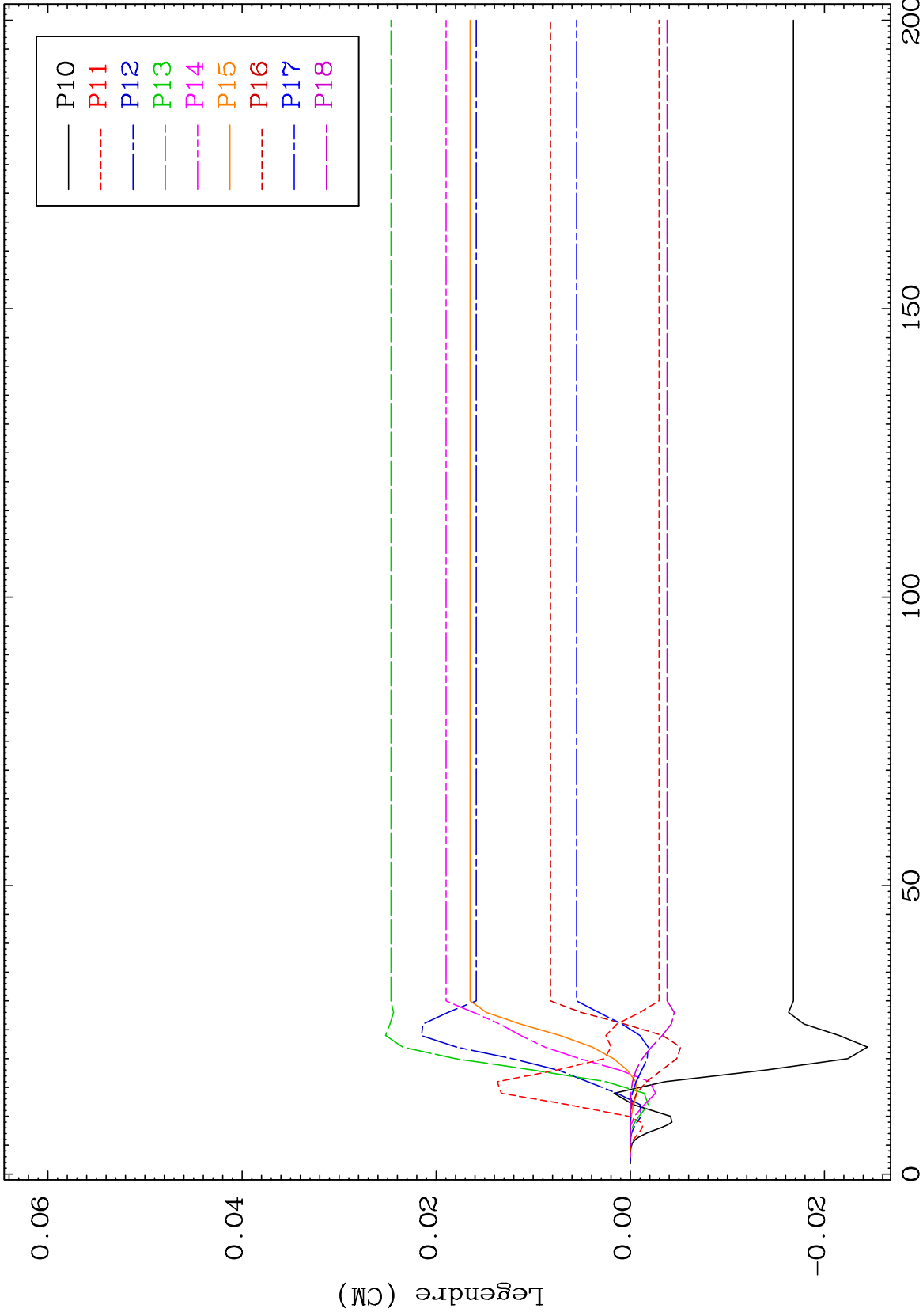
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



79

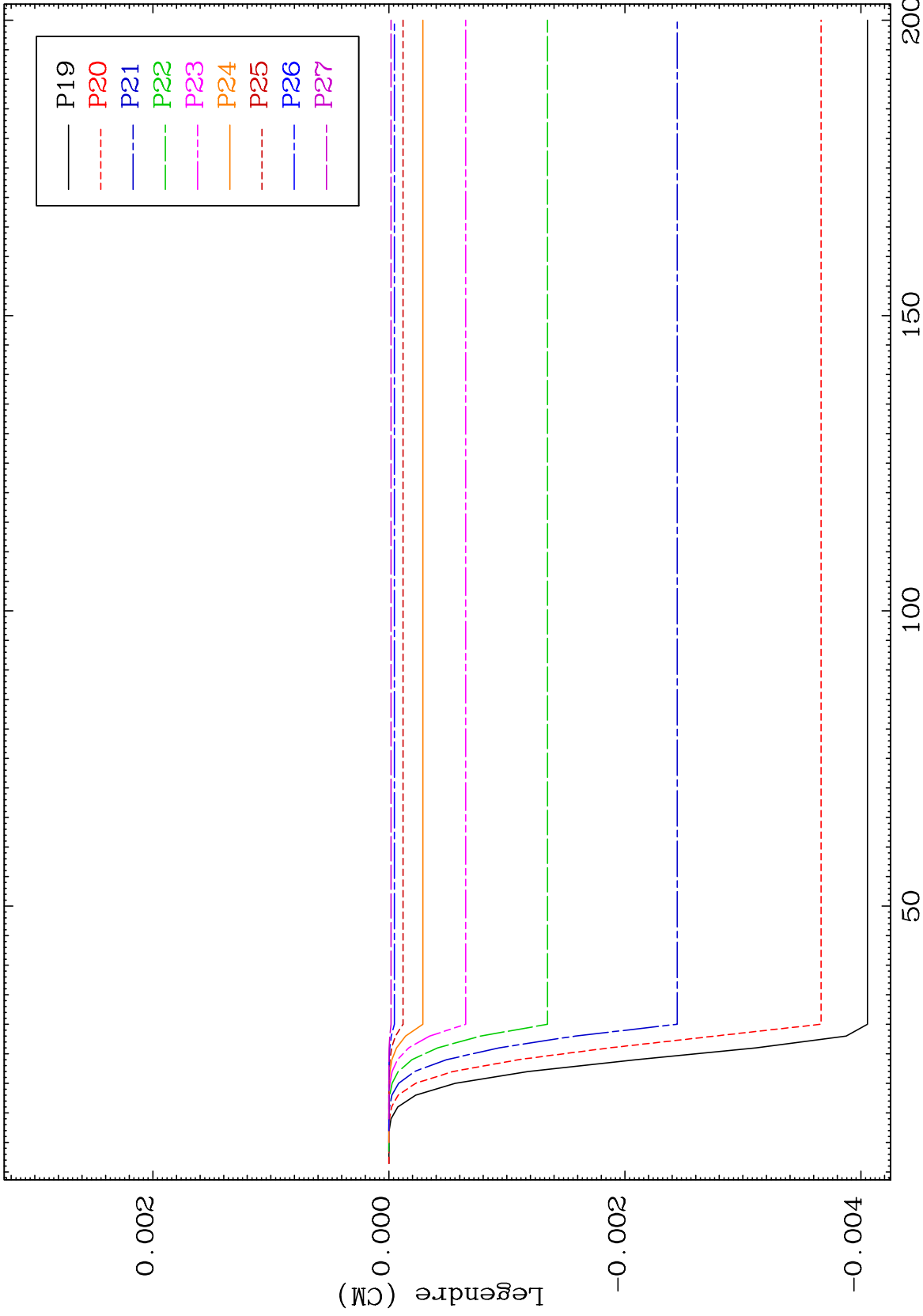
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



80

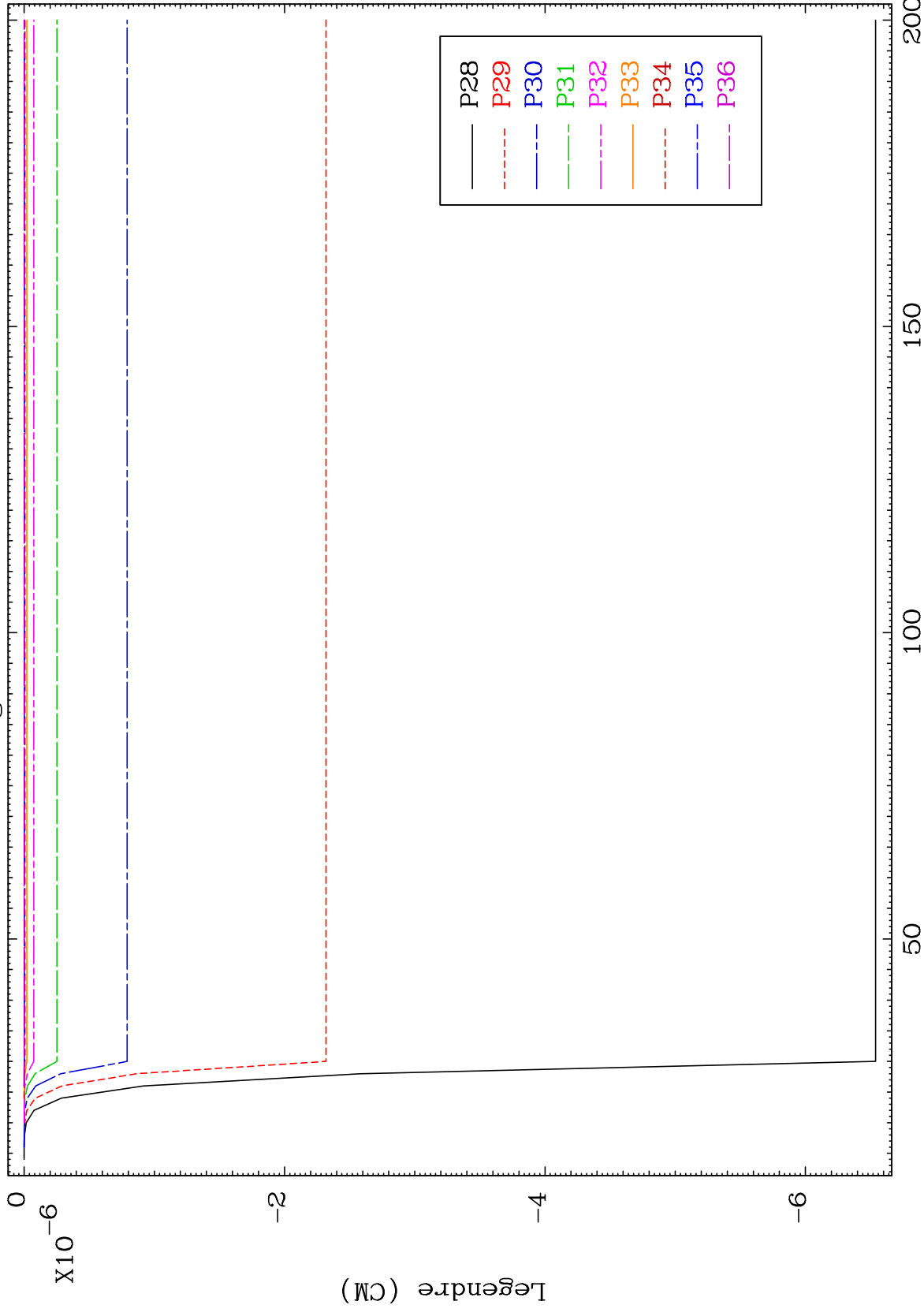
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149

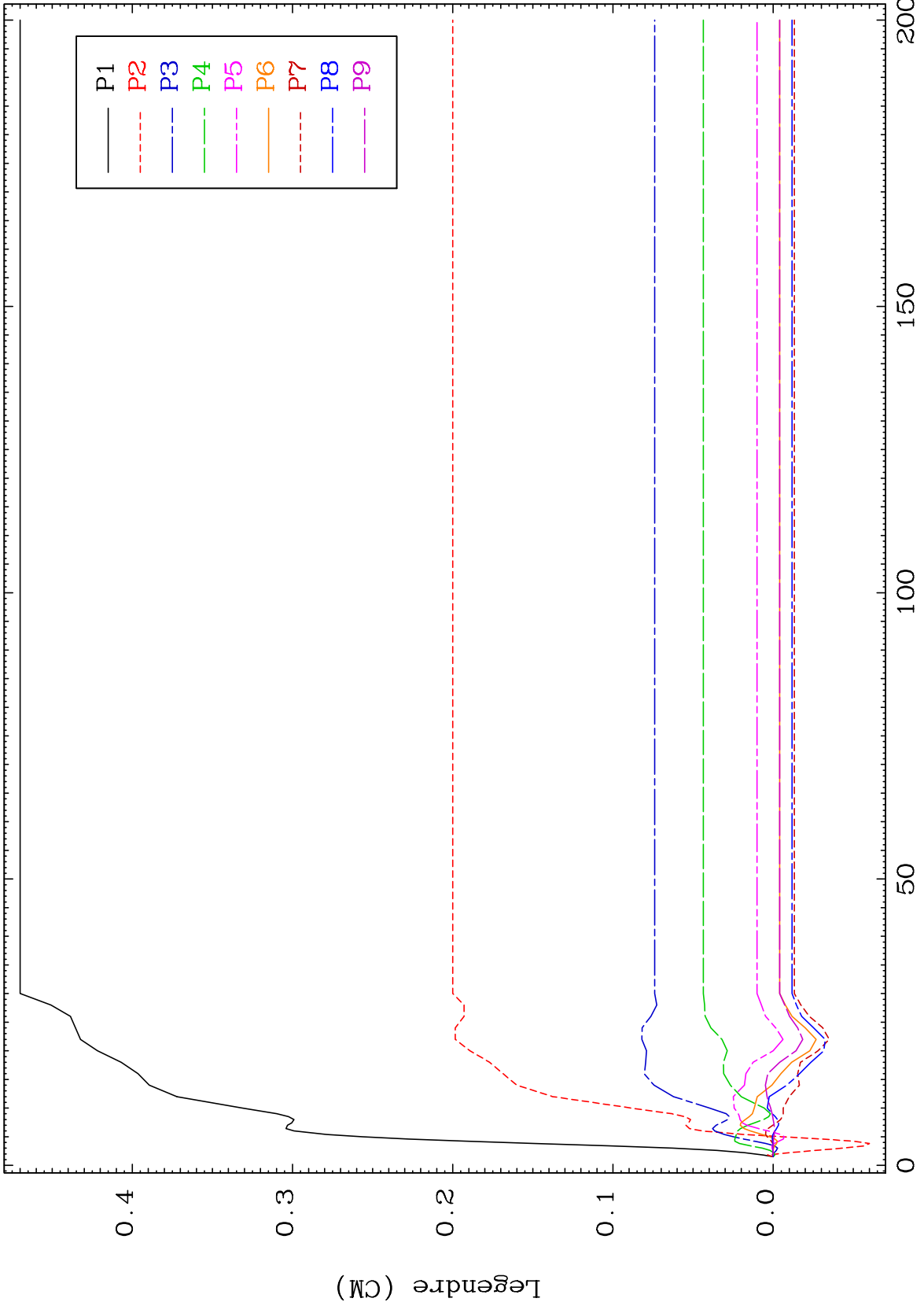


64-Gd-149

Incident Energy (MeV)

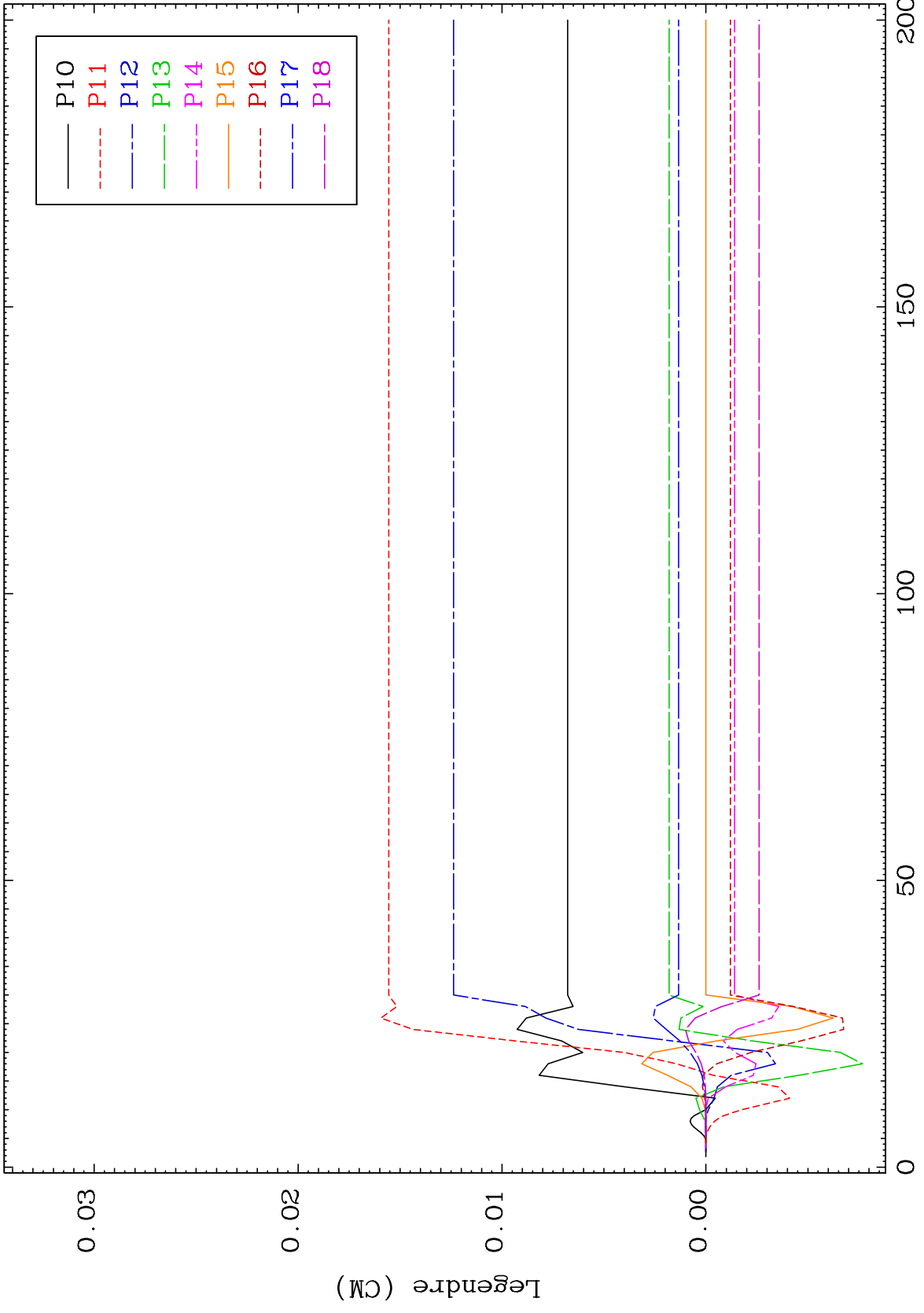
81

MAT 6416 MT= 66 (n,n') Level Legendre Coefficients 64-Gd-149



82 64-Gd-149

MAT 6416 MT= 66 (n,n') Level Legendre Coefficients 64-Gd-149

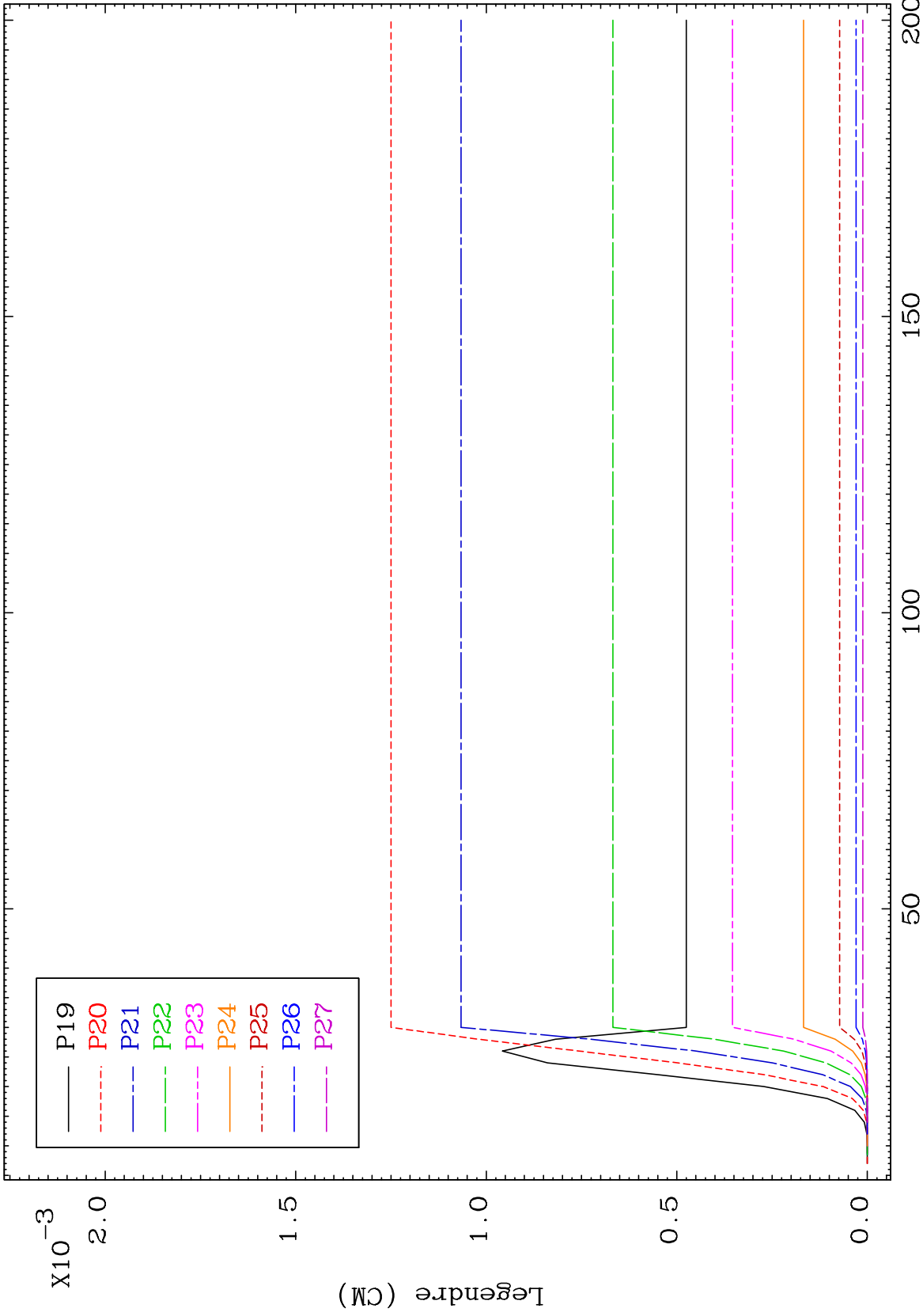


83 64-Gd-149

MAT 6416

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

64-Gd-149



84

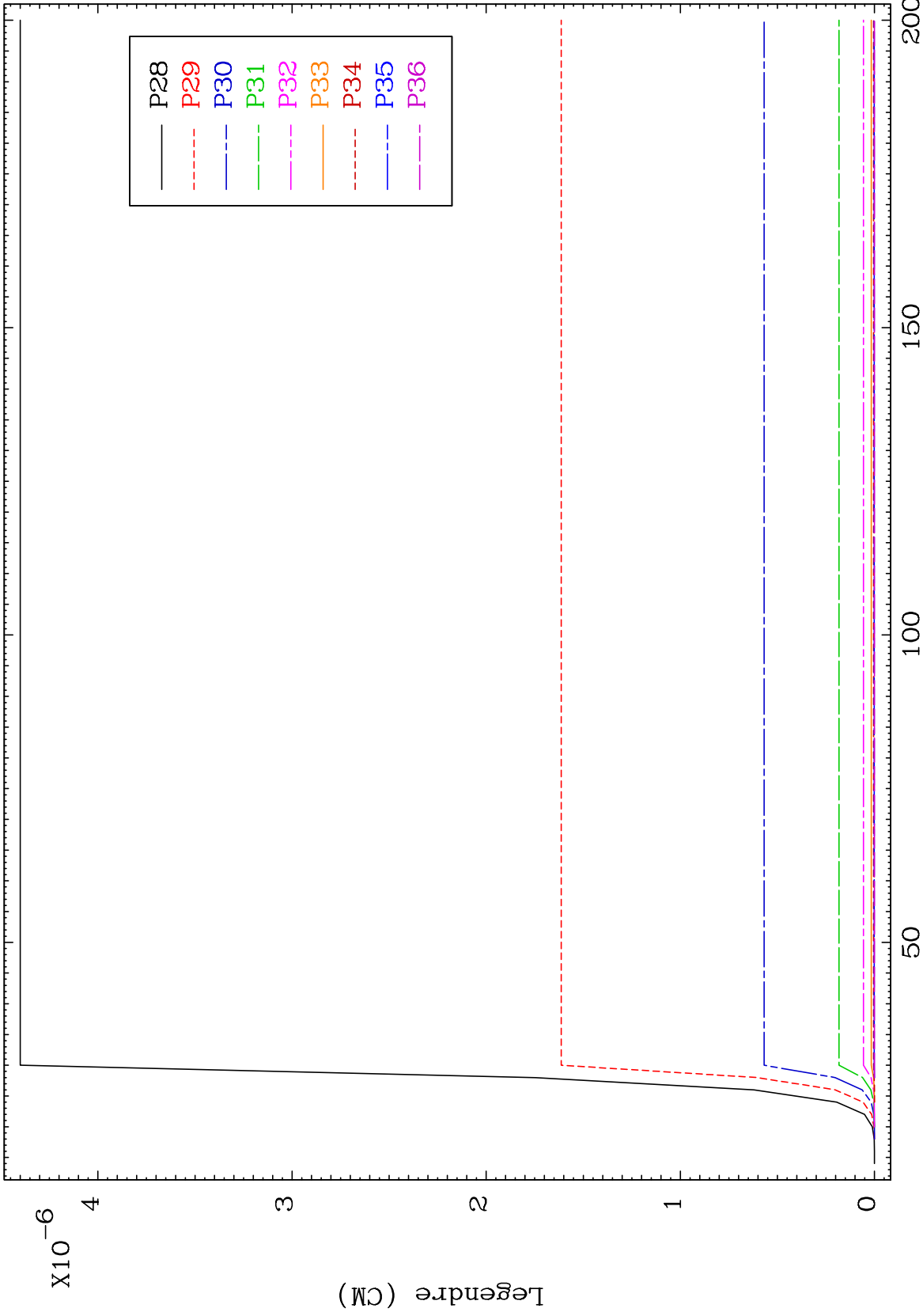
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



85

Incident Energy (MeV)

64-Gd-149

200

150

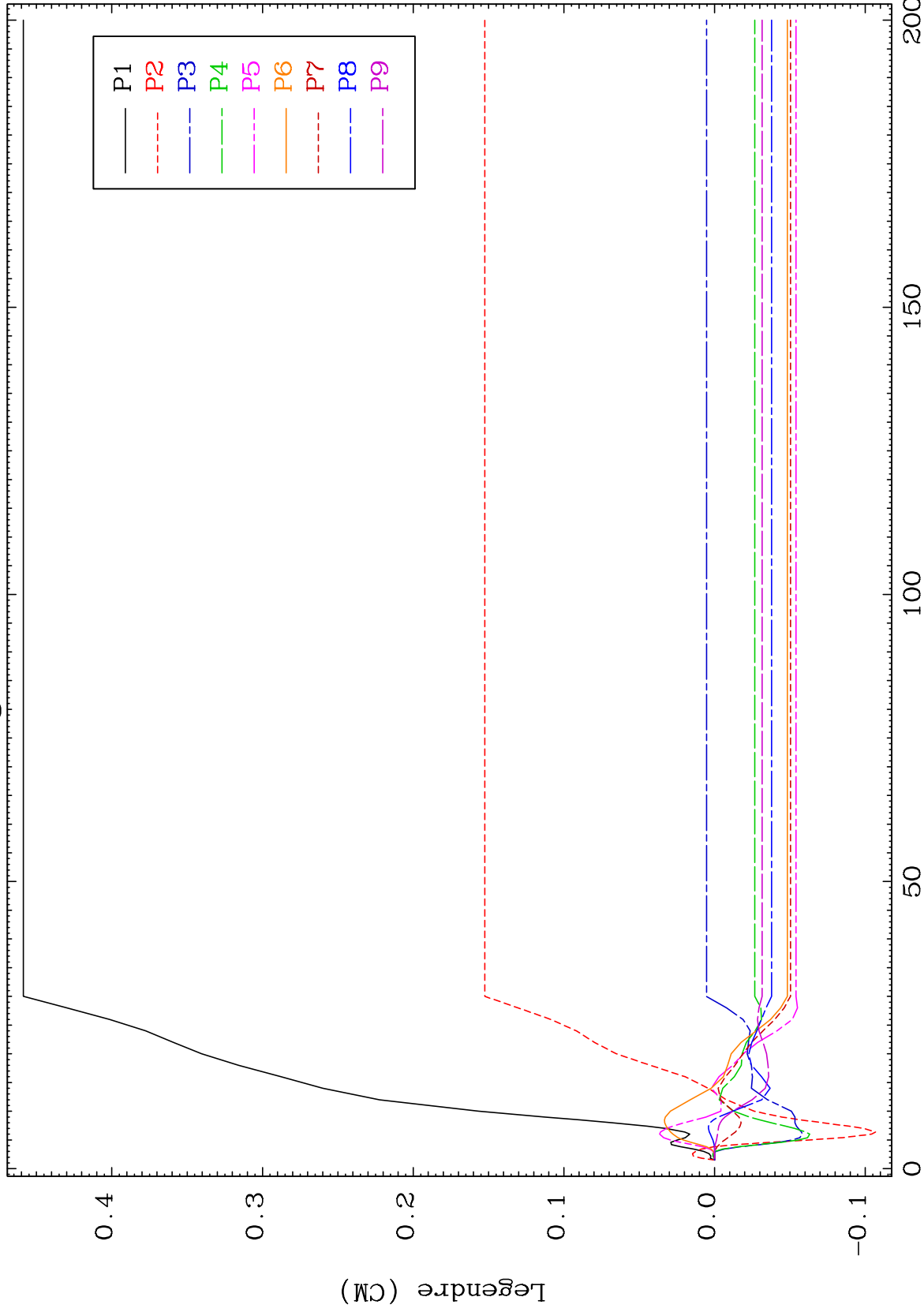
100

50

MAT 6416

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

64-Gd-149



86

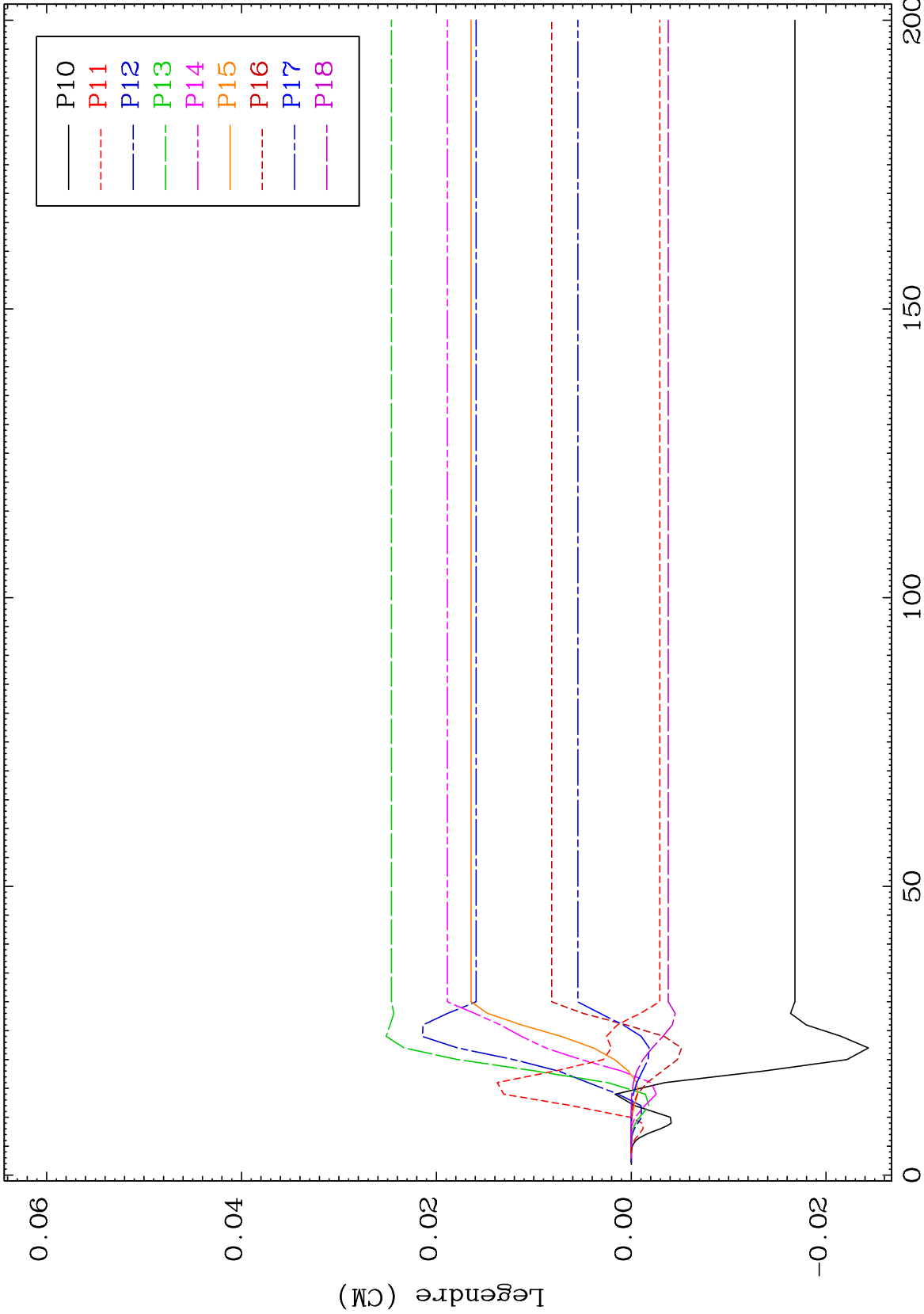
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



87

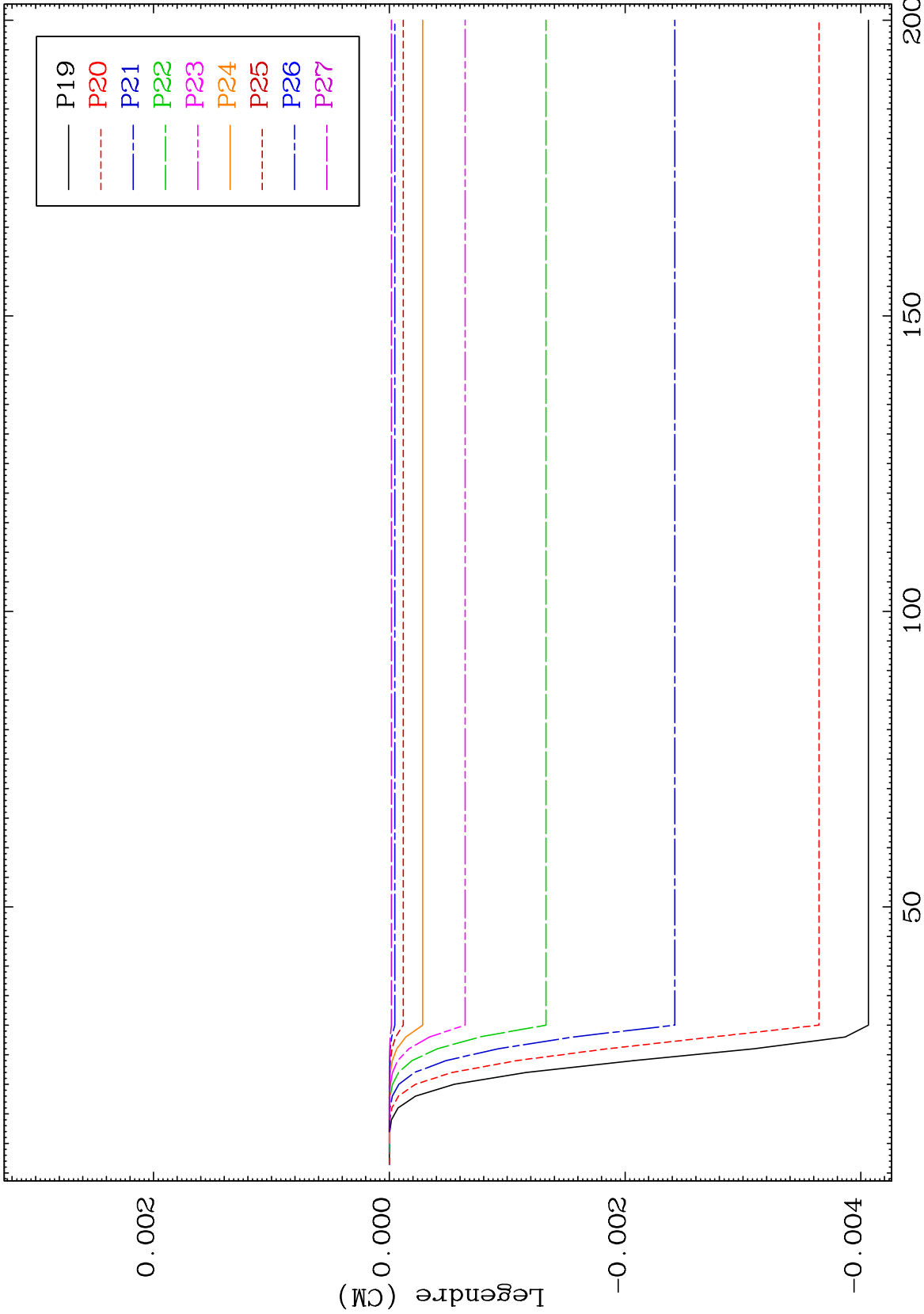
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



88

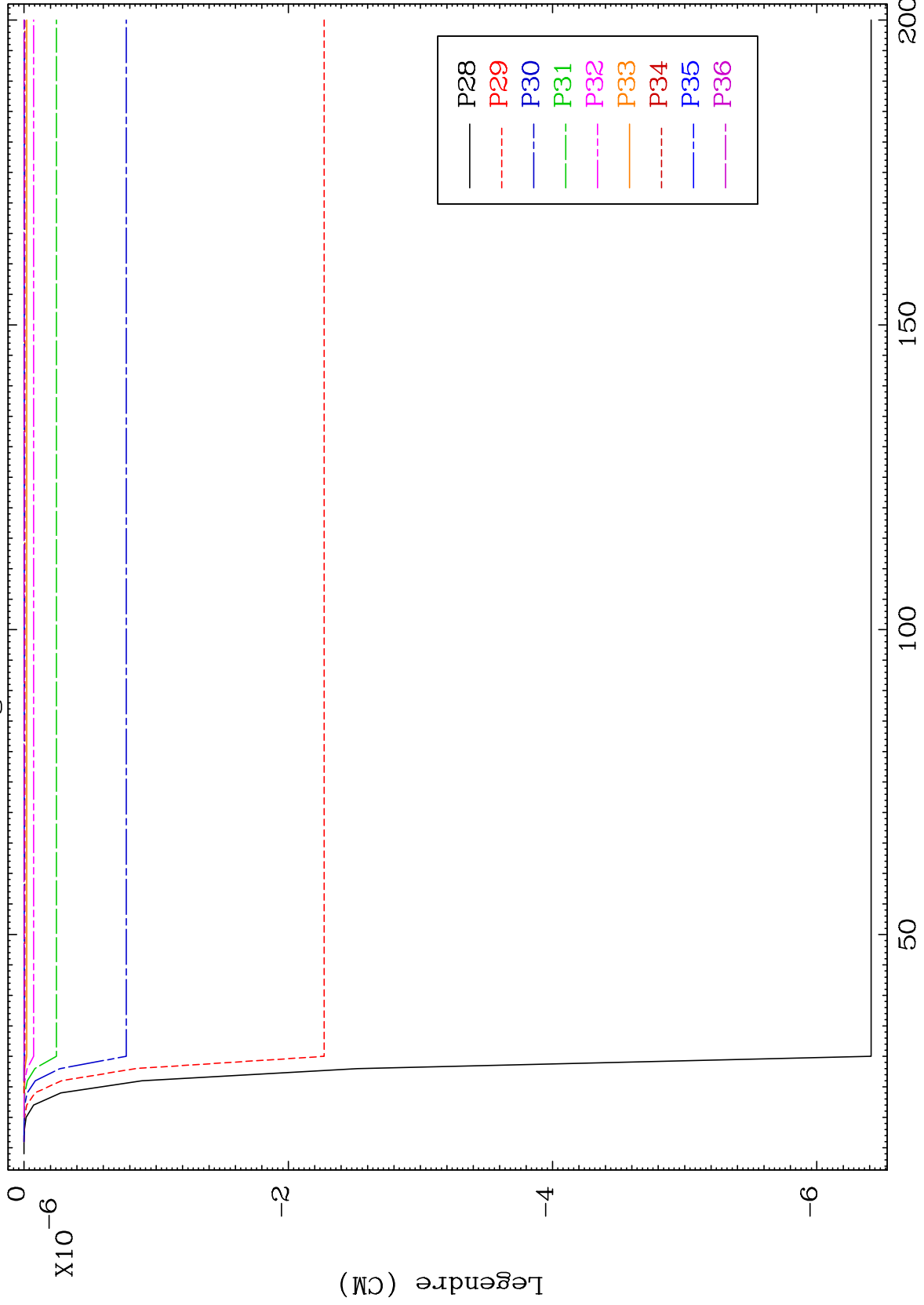
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



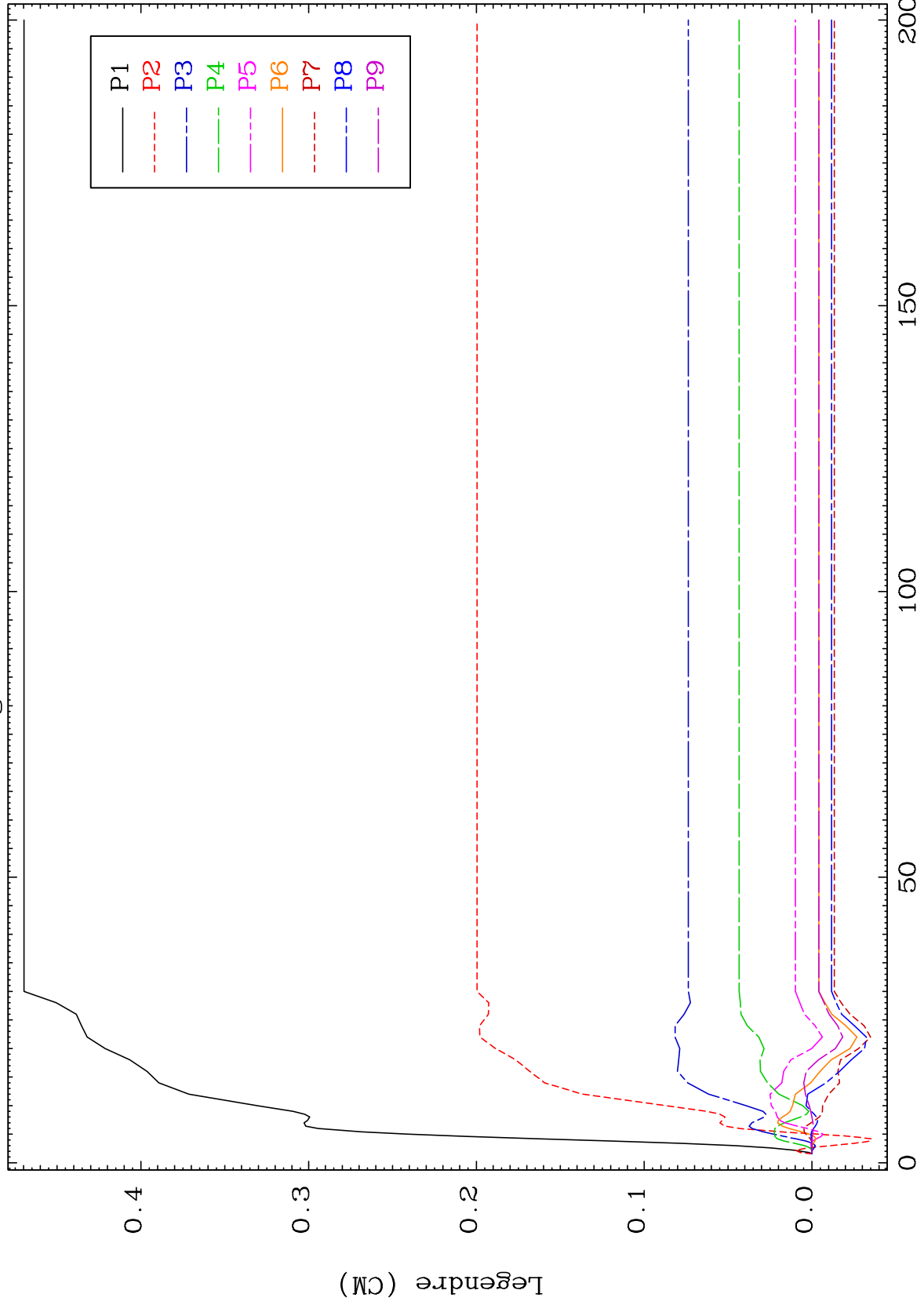
89

64-Gd-149

MAT 6416

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

64-Gd-149



90

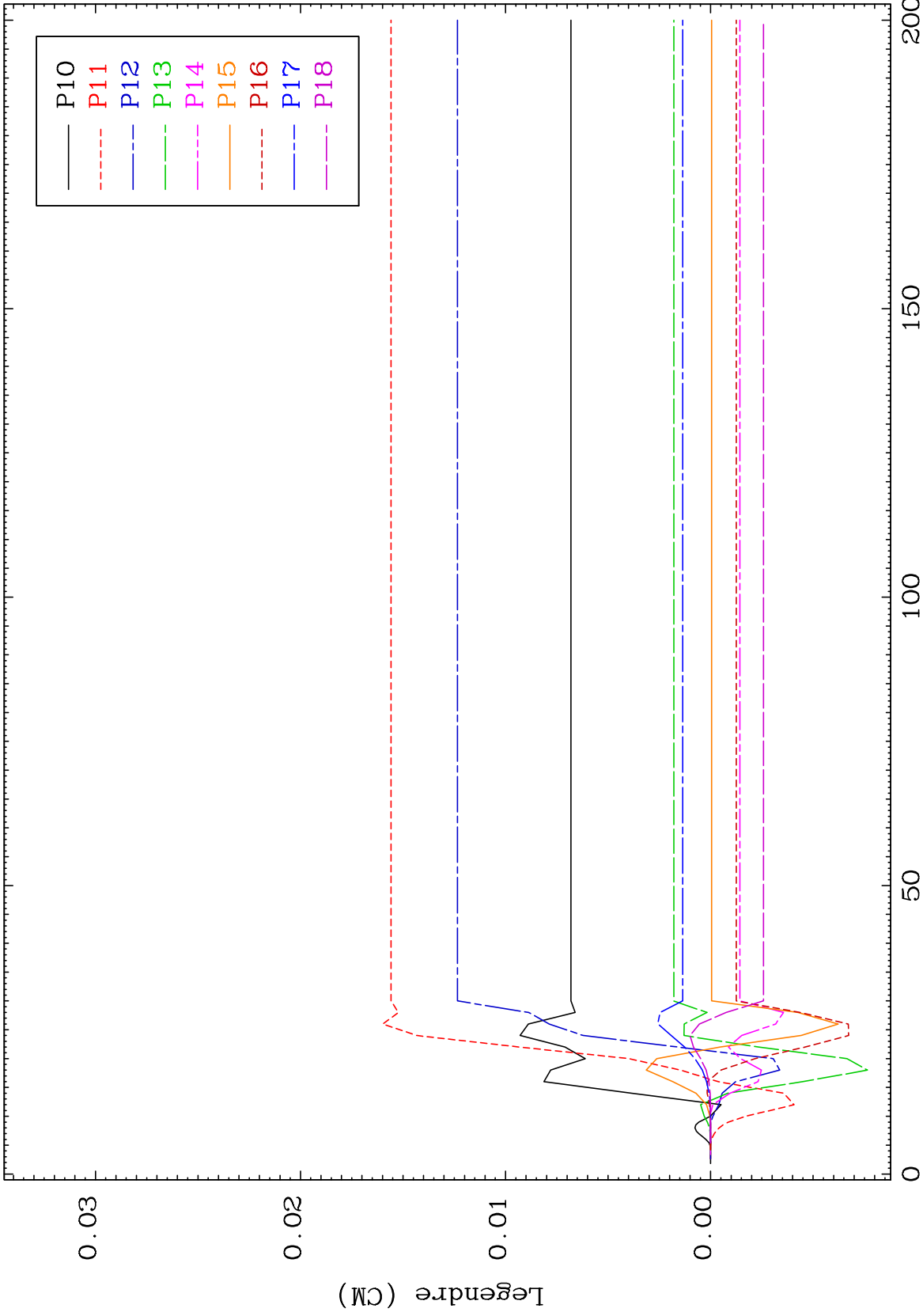
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



91

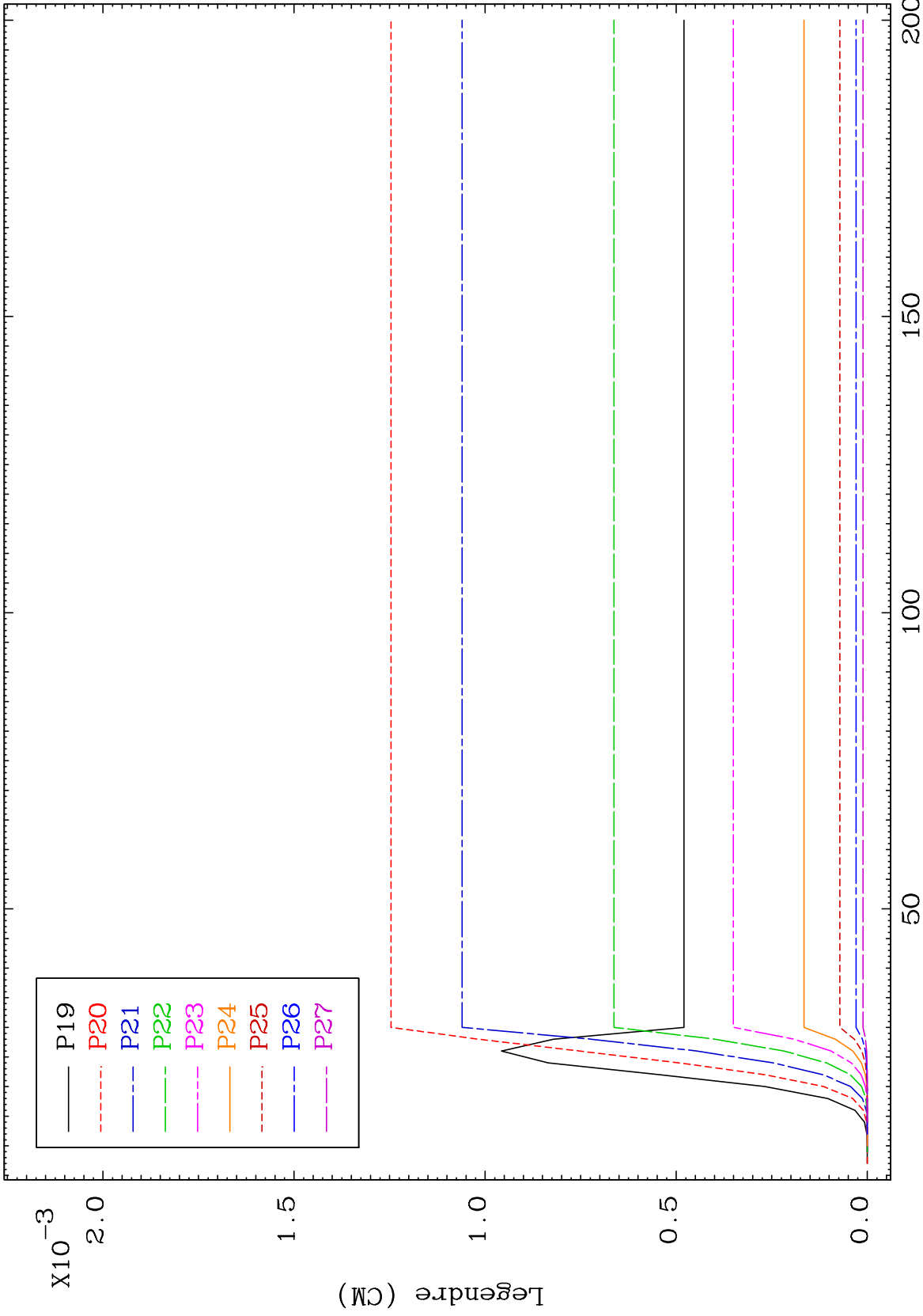
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



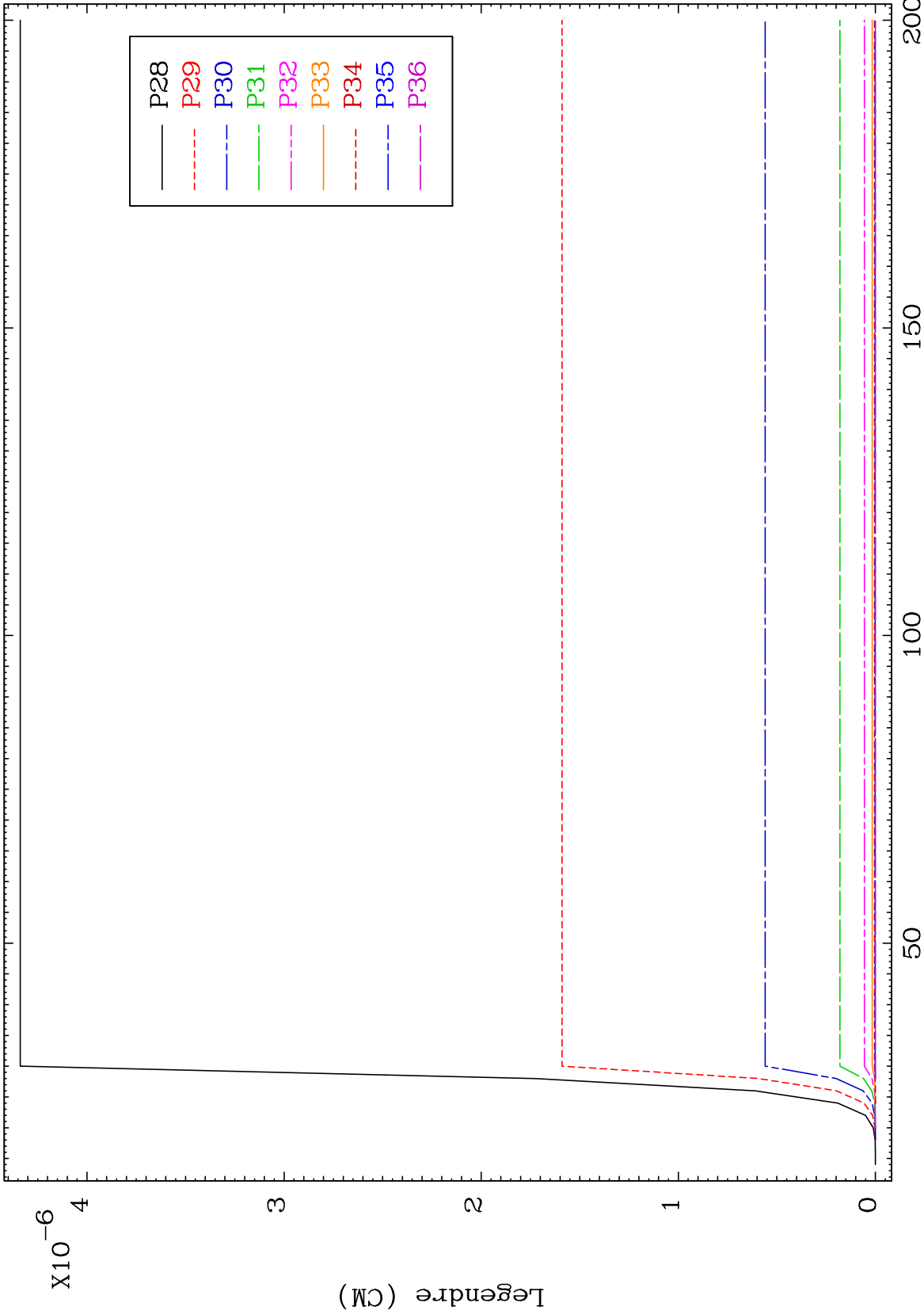
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64-Gd-149

MAT 6416

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

64-Gd-149



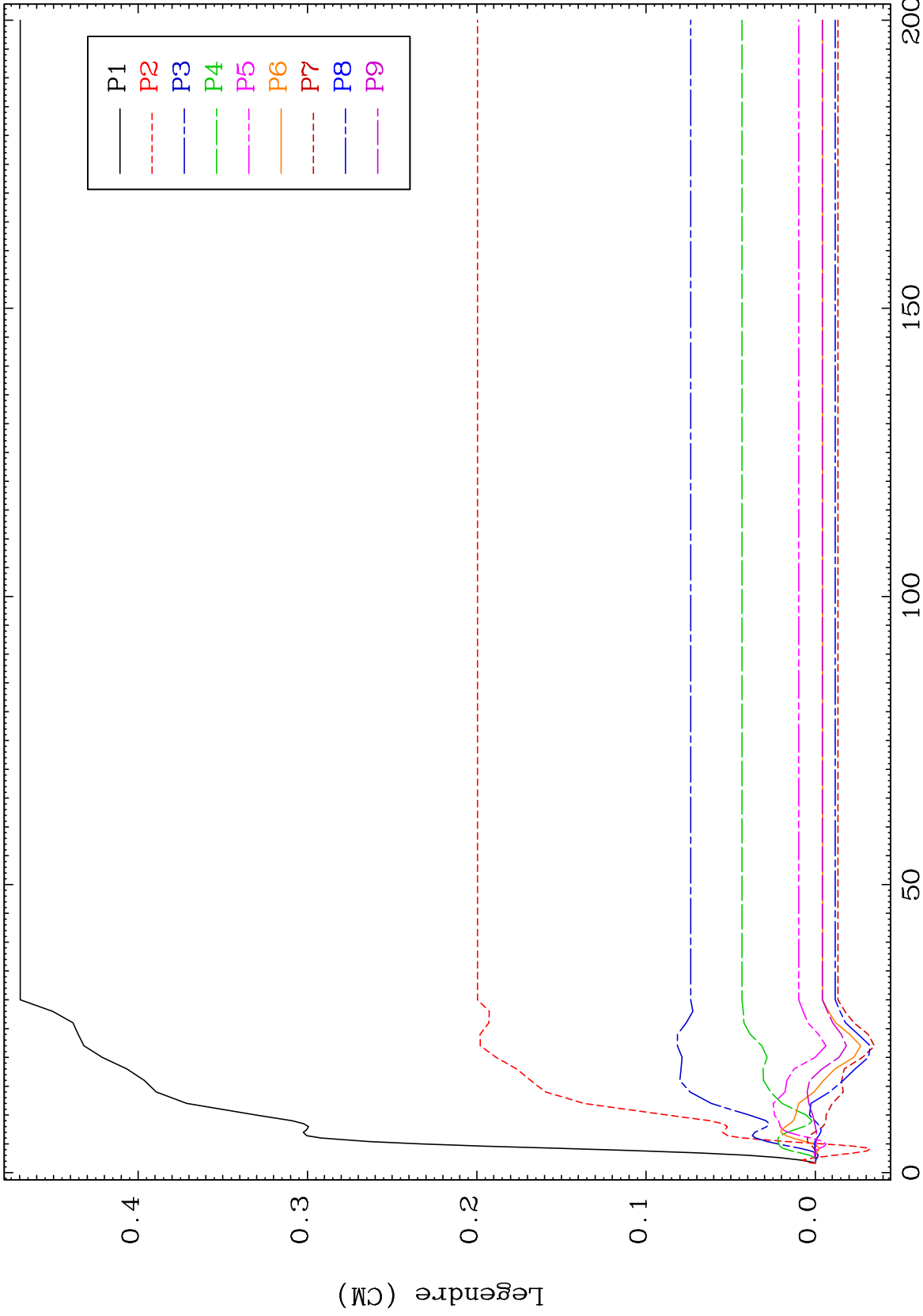
93

64-Gd-149

MAT 6416

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

64-Gd-149

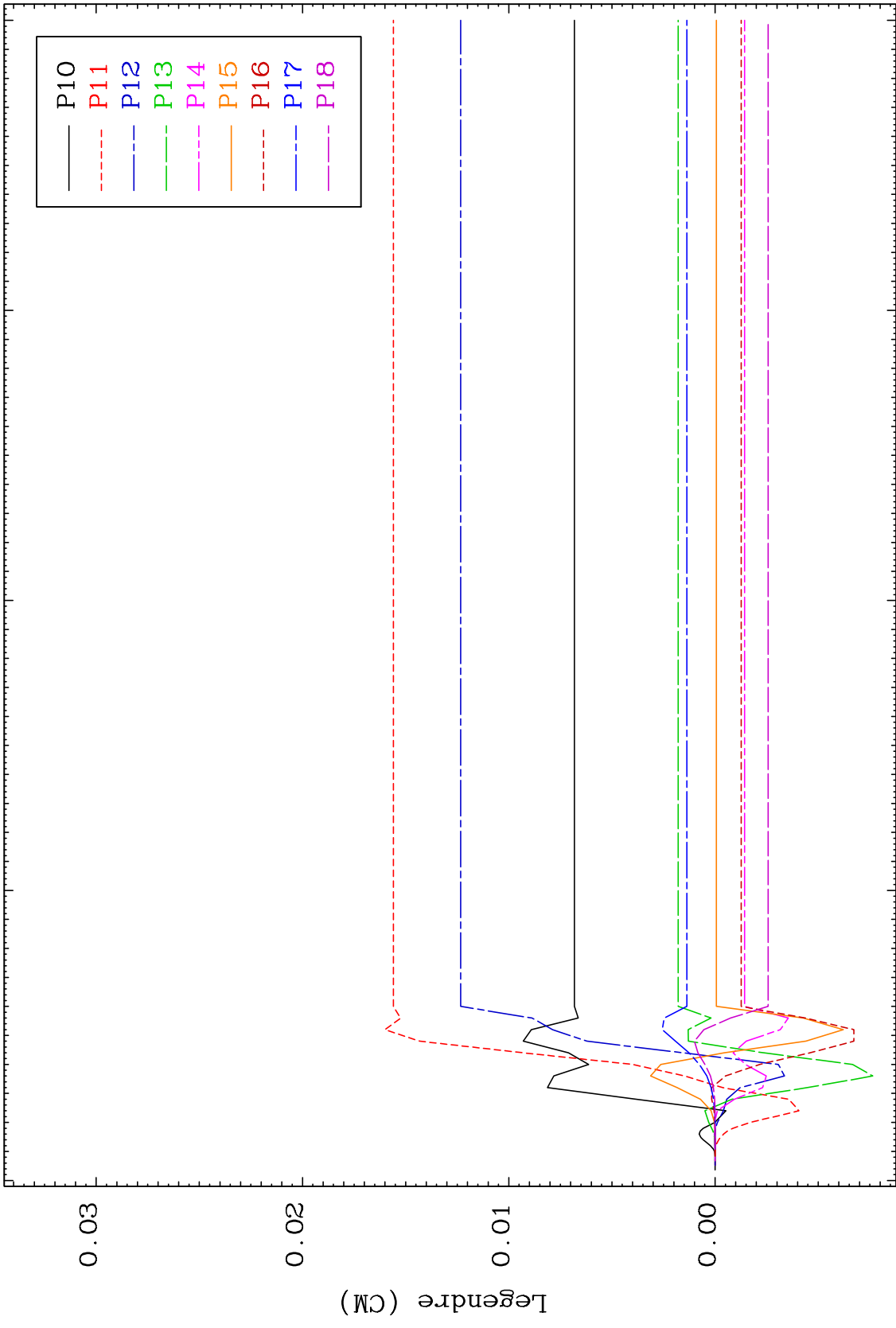


94

Incident Energy (MeV)

64-Gd-149

MAT 6416 MT= 69 (n,n') Level Legendre Coefficients 64-Gd-149

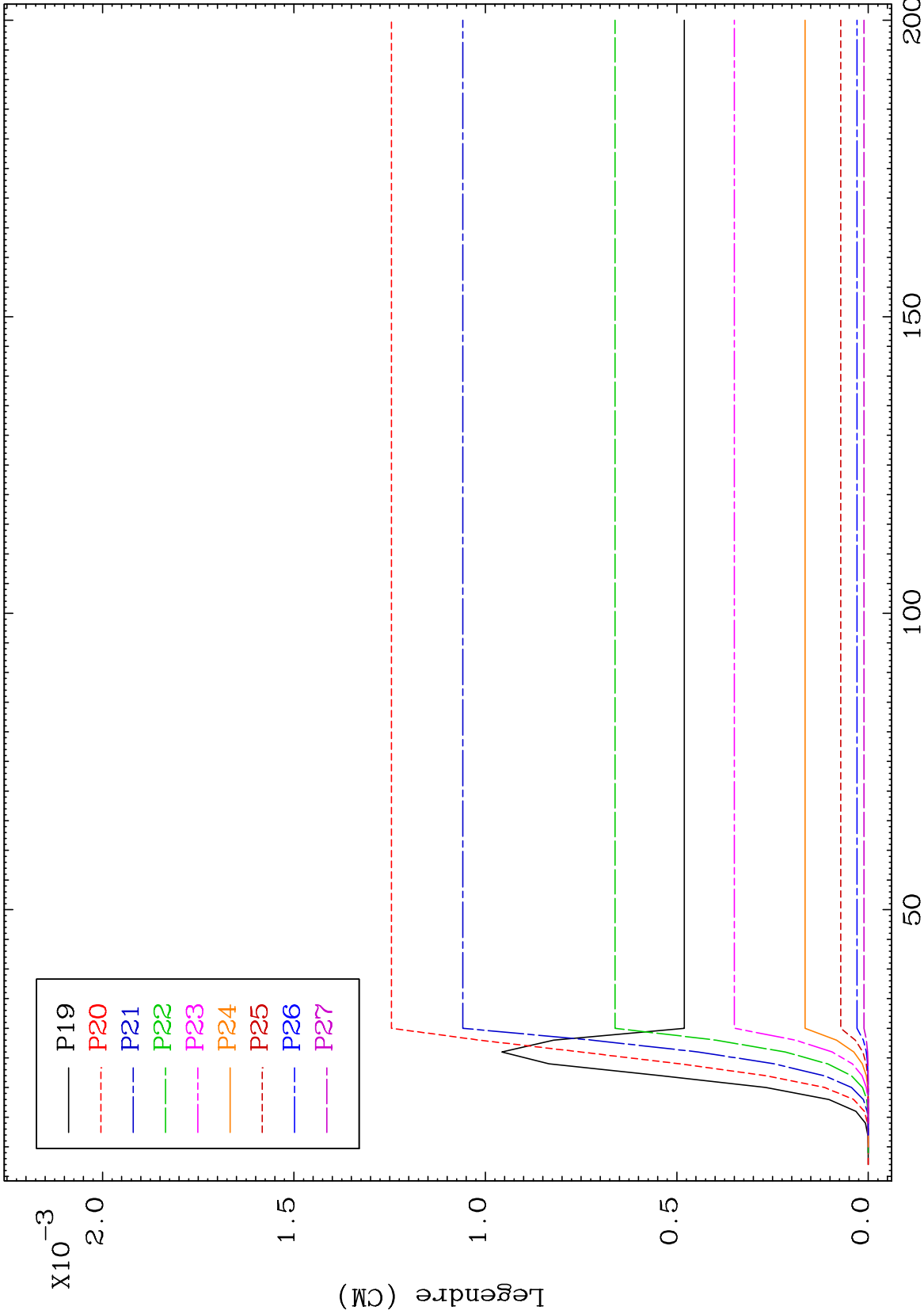


95 64-Gd-149

MAT 6416

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

64-Gd-149



96

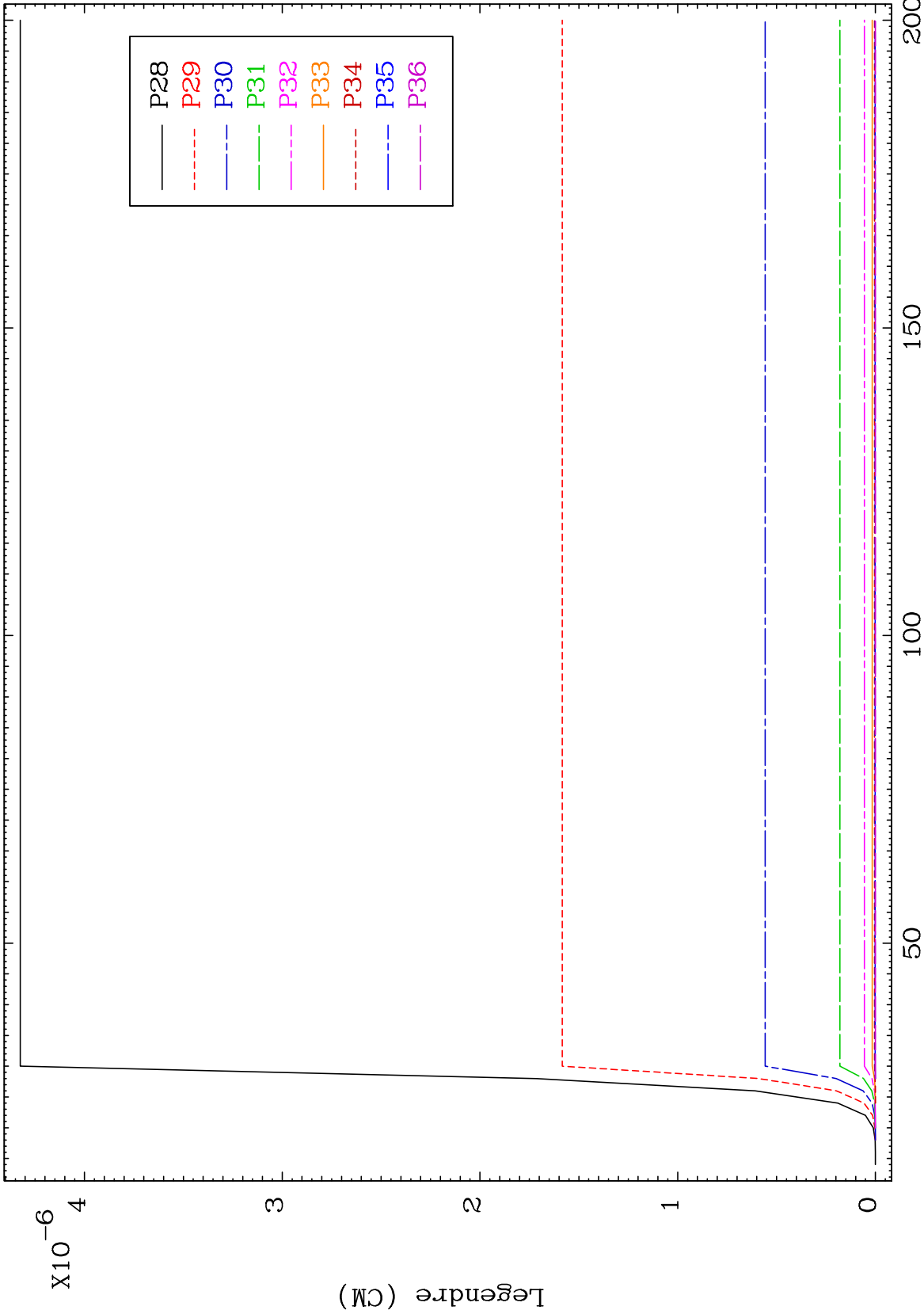
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



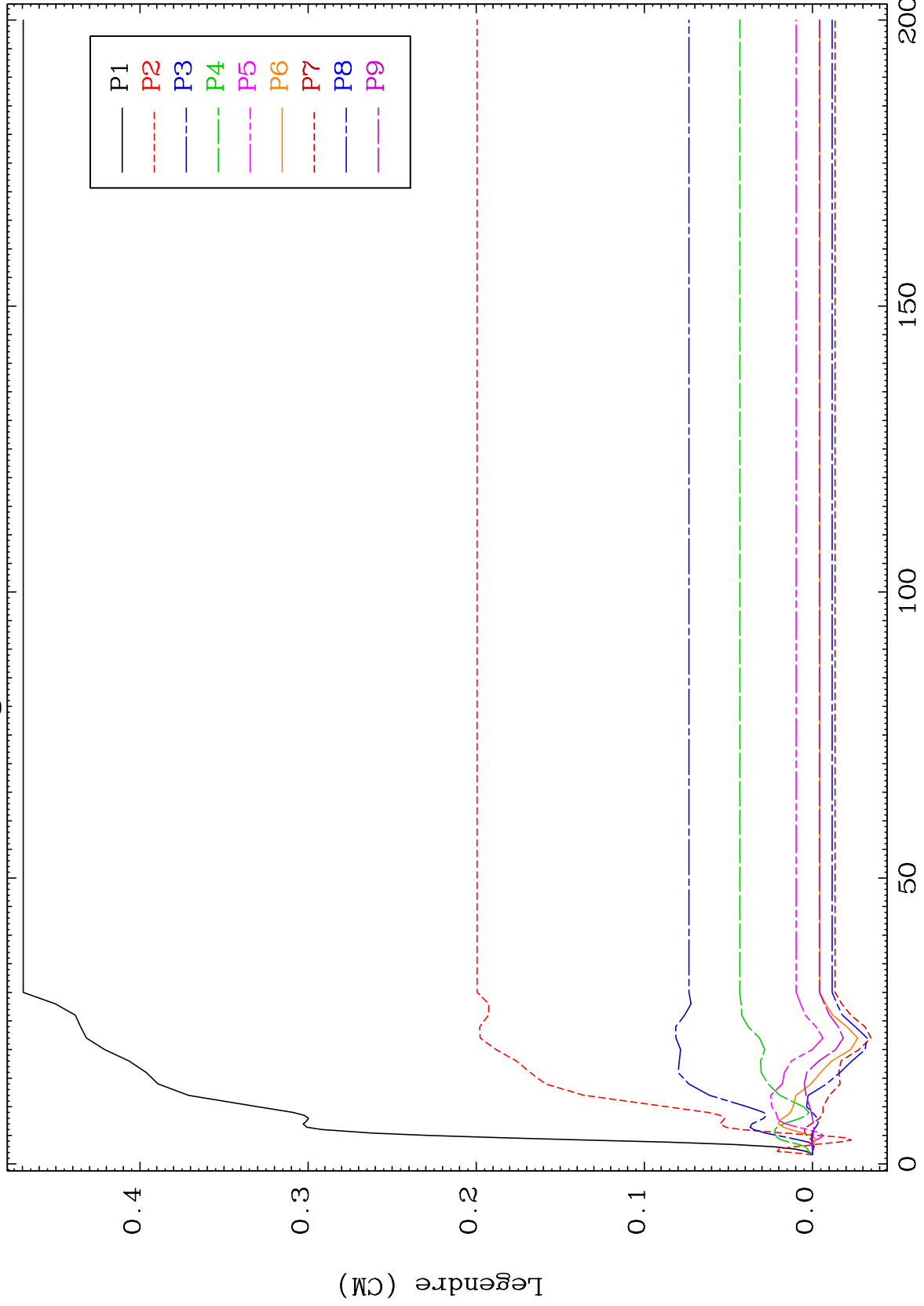
97

64-Gd-149

MAT 6416

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

64-Gd-149

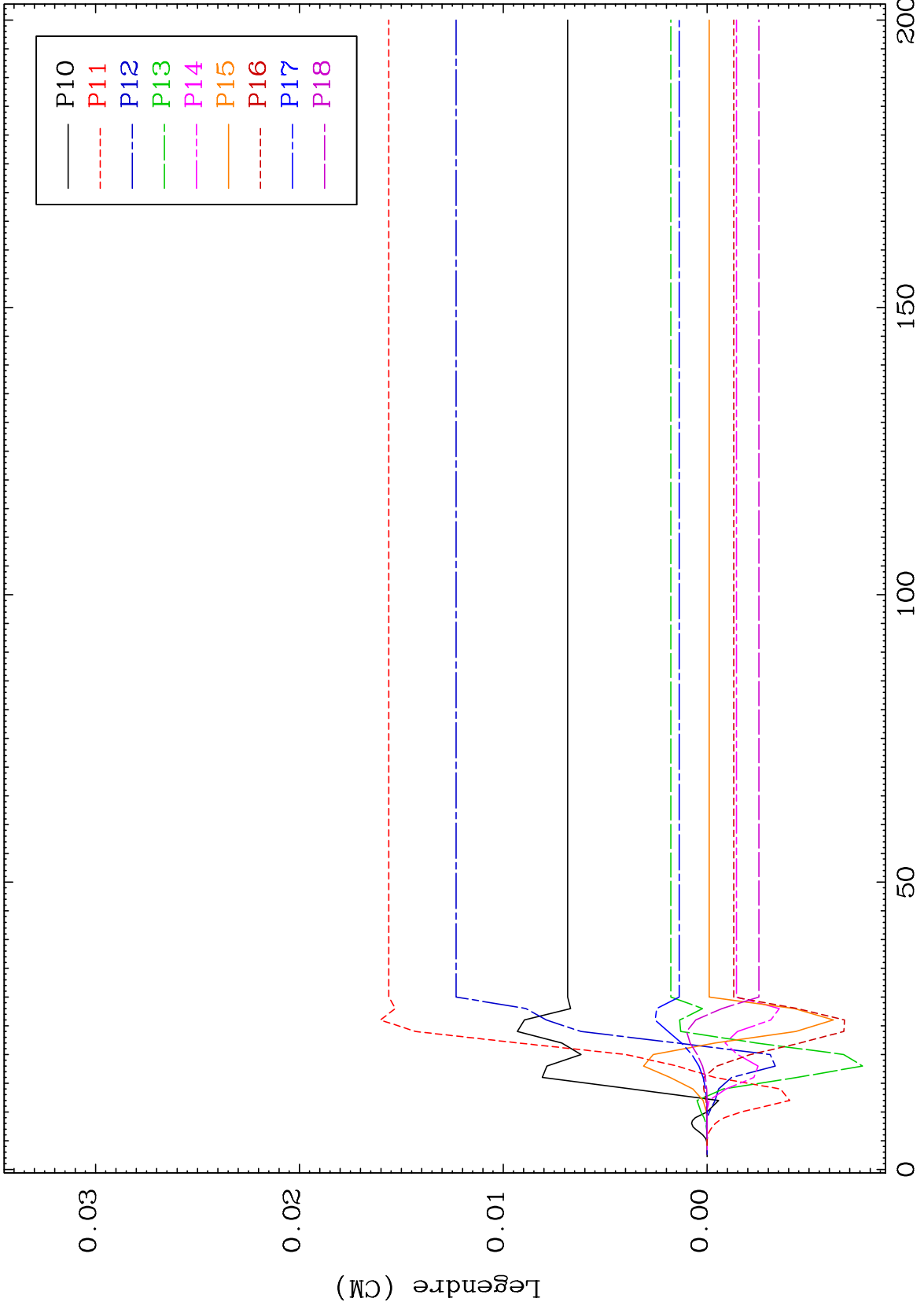


98

Incident Energy (MeV)

64-Gd-149

MAT 6416 MT= 70 (n,n') Level Legendre Coefficients 64-Gd-149

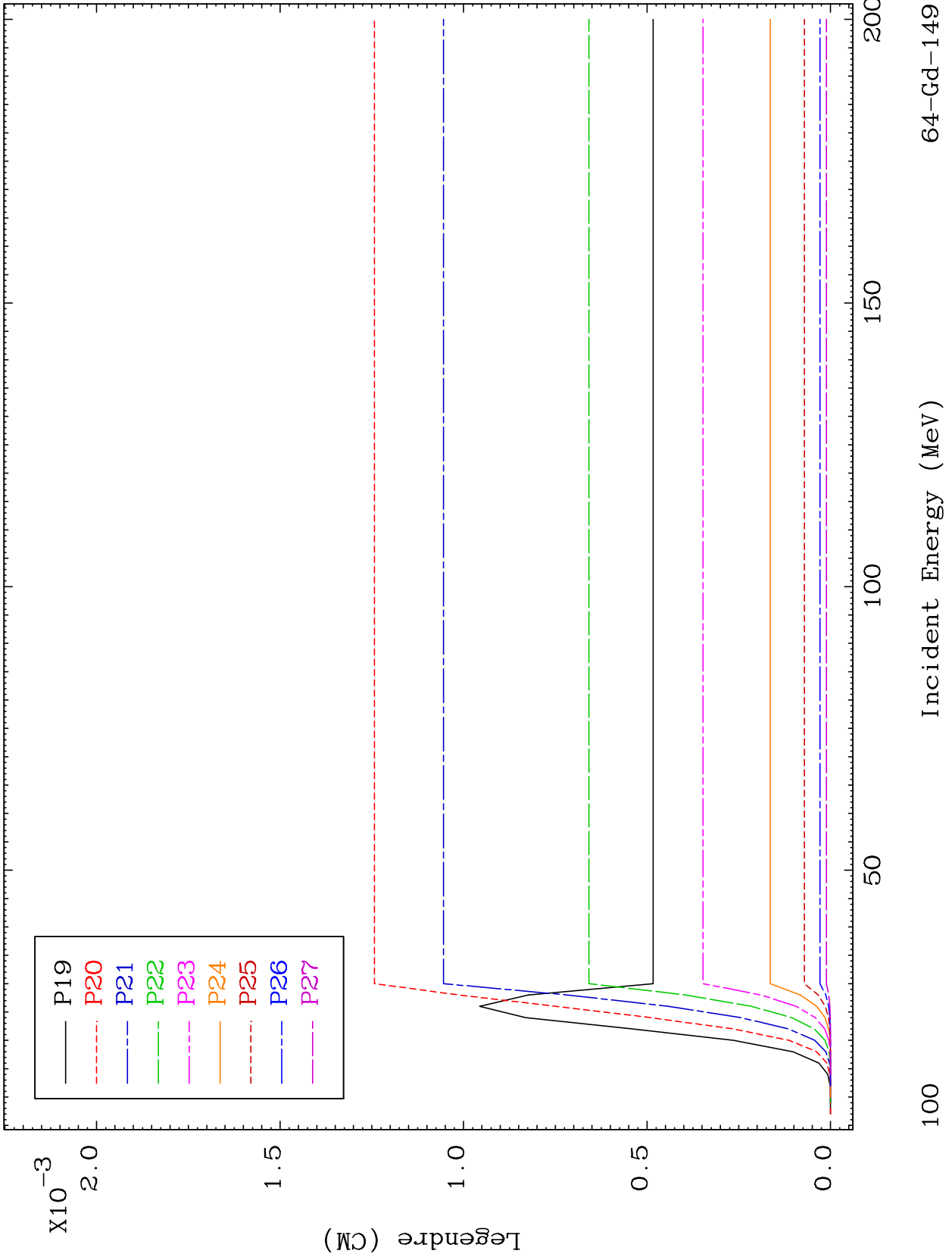


99 64-Gd-149

MAT 6416

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

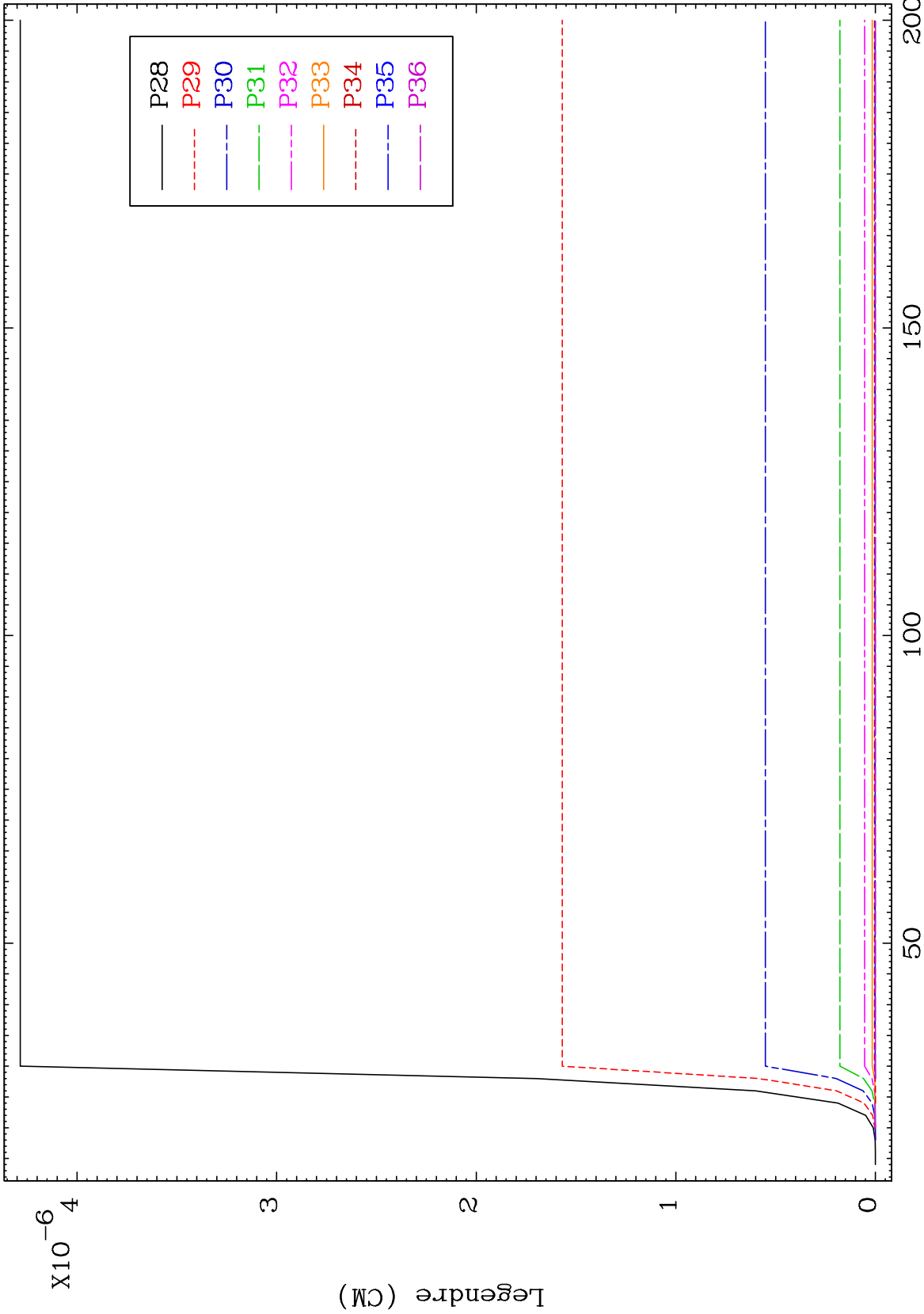
64-Gd-149



MAT 6416

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

64-Gd-149



101

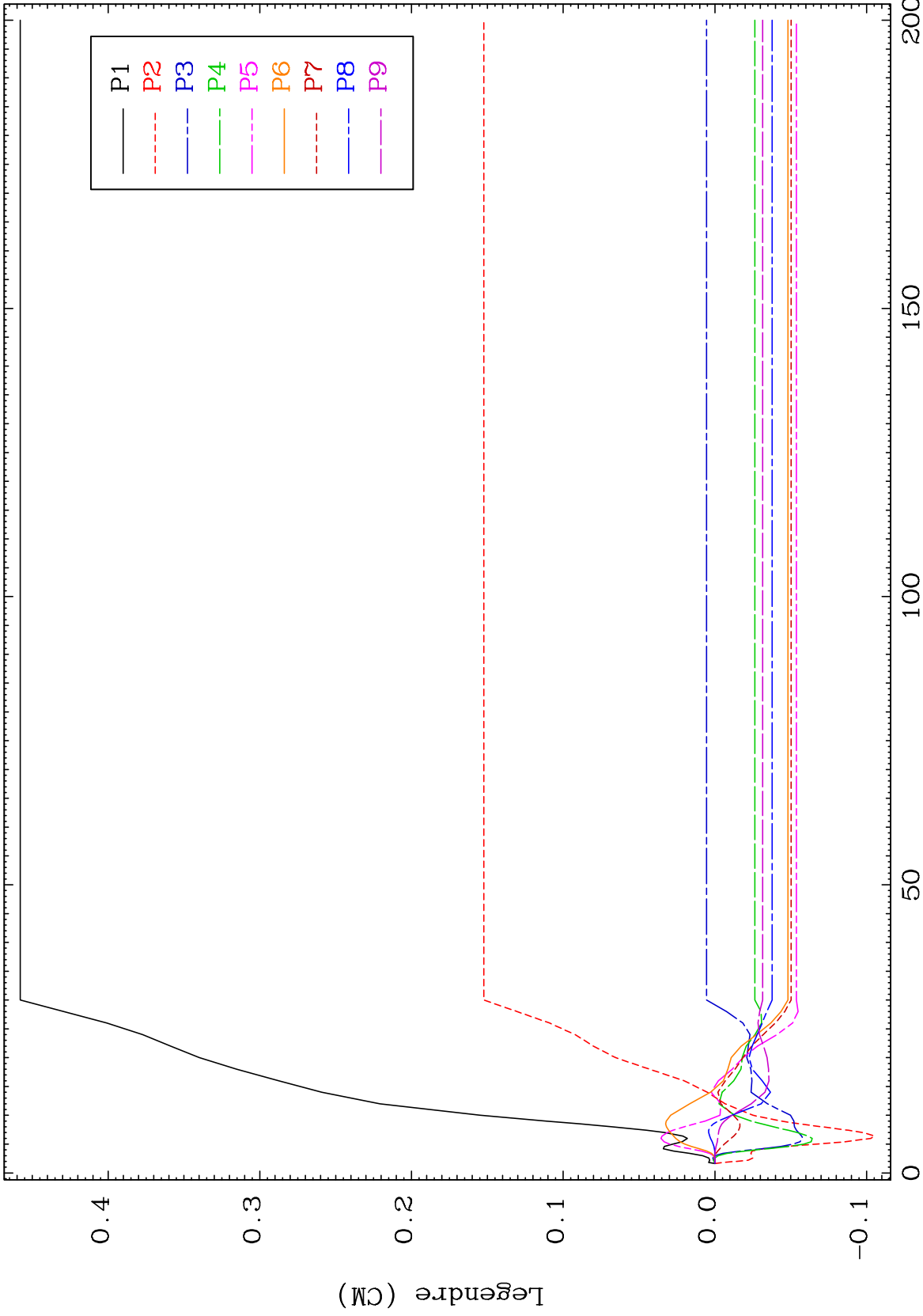
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



102

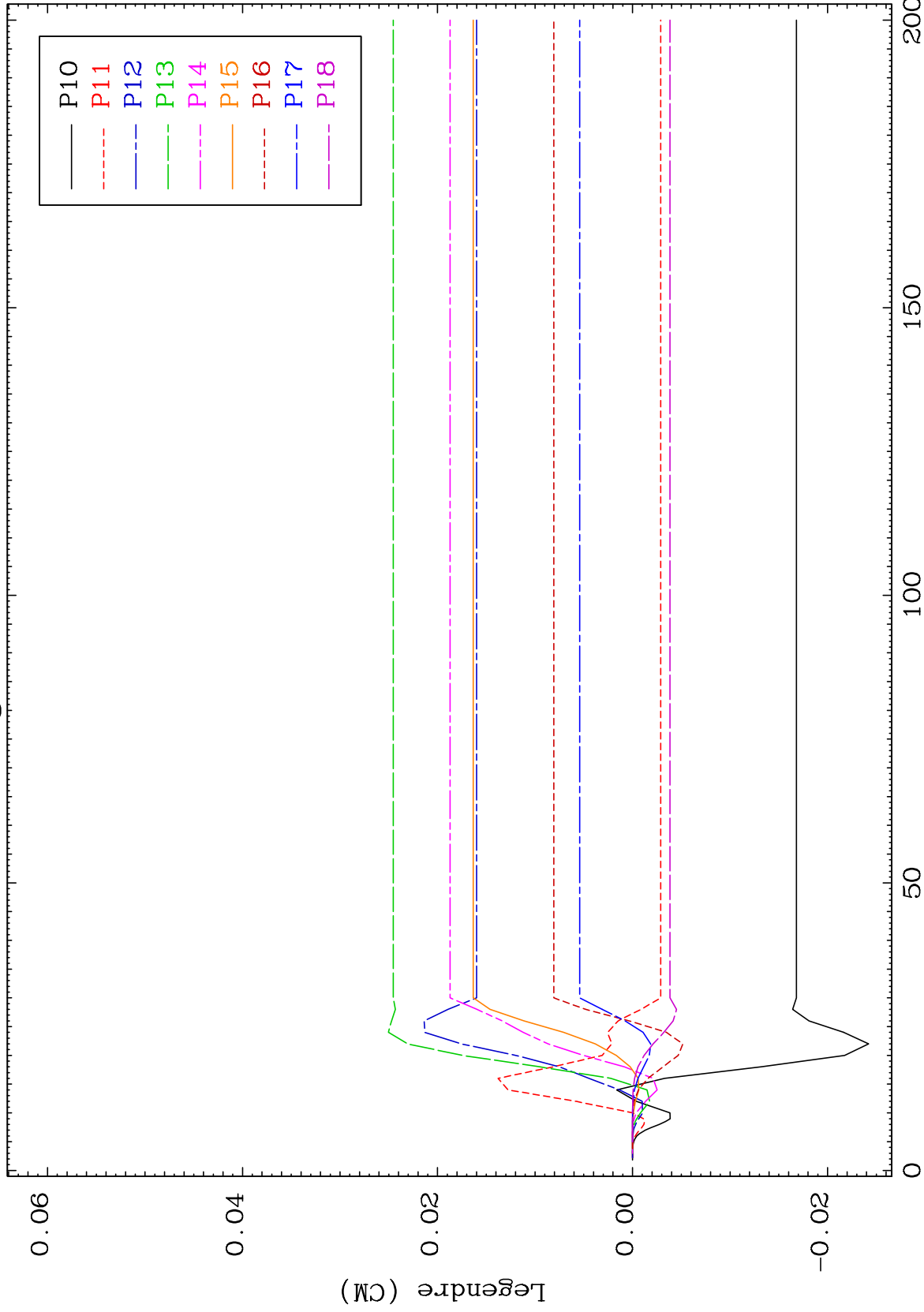
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



103

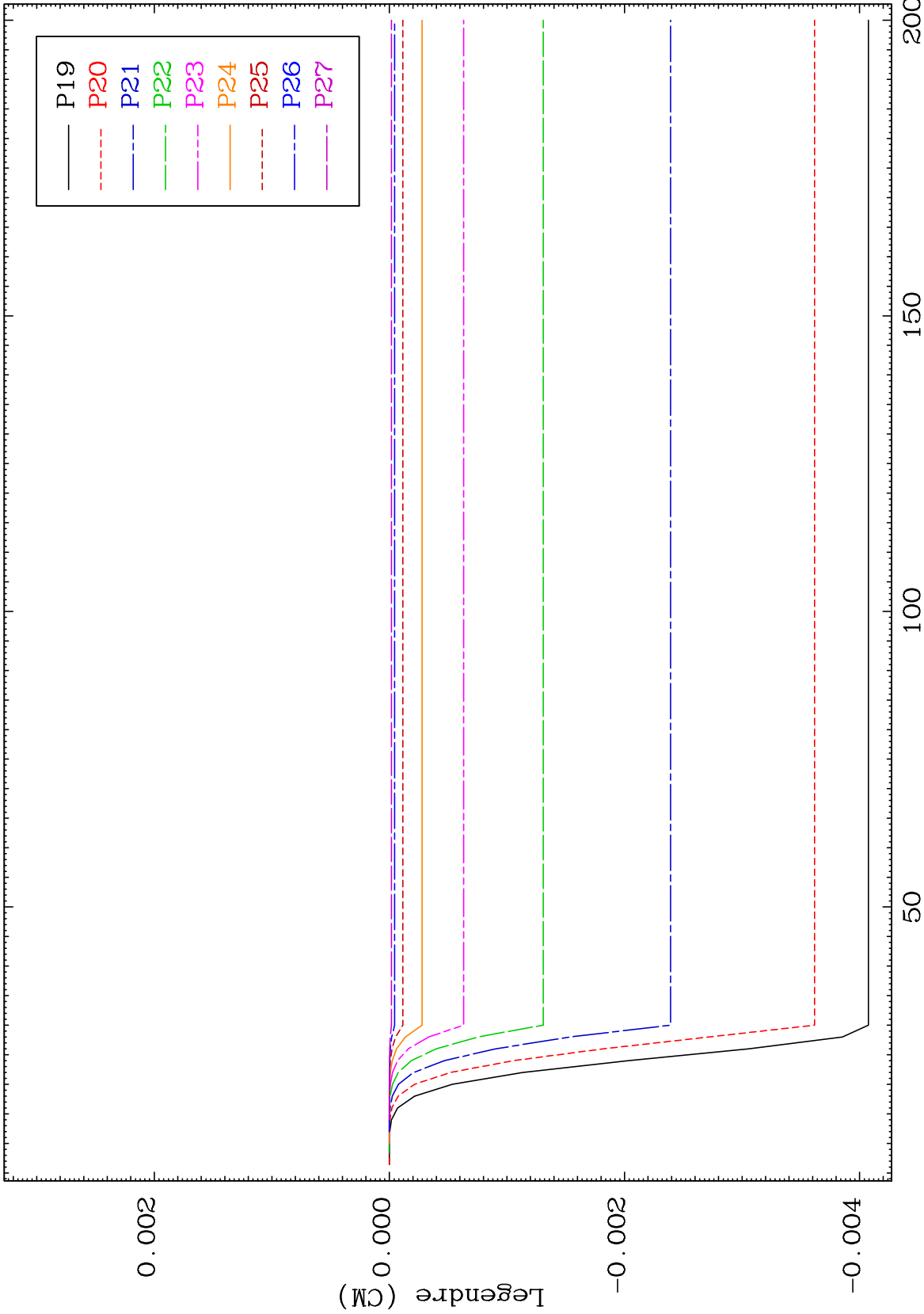
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



104

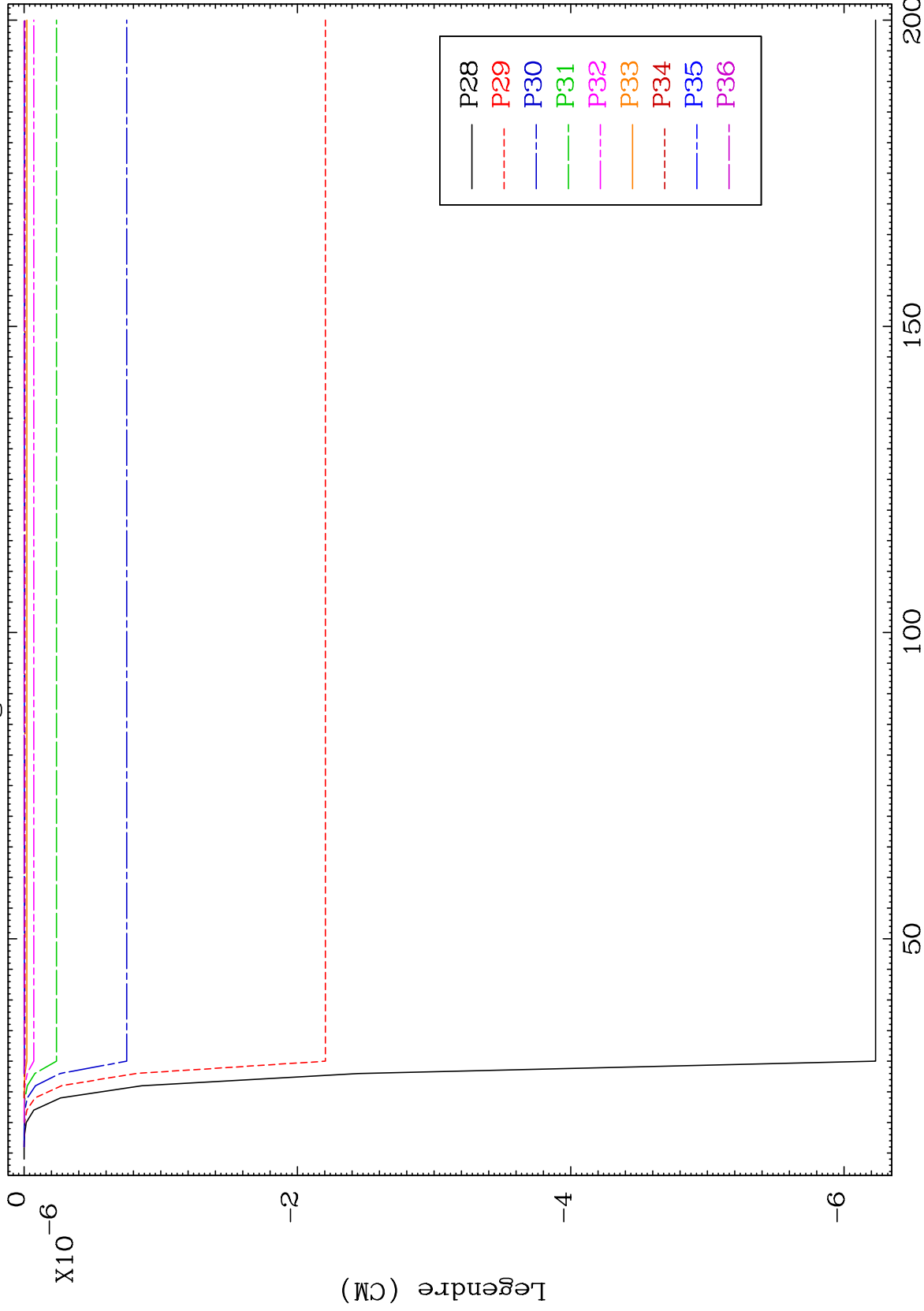
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



64-Gd-149

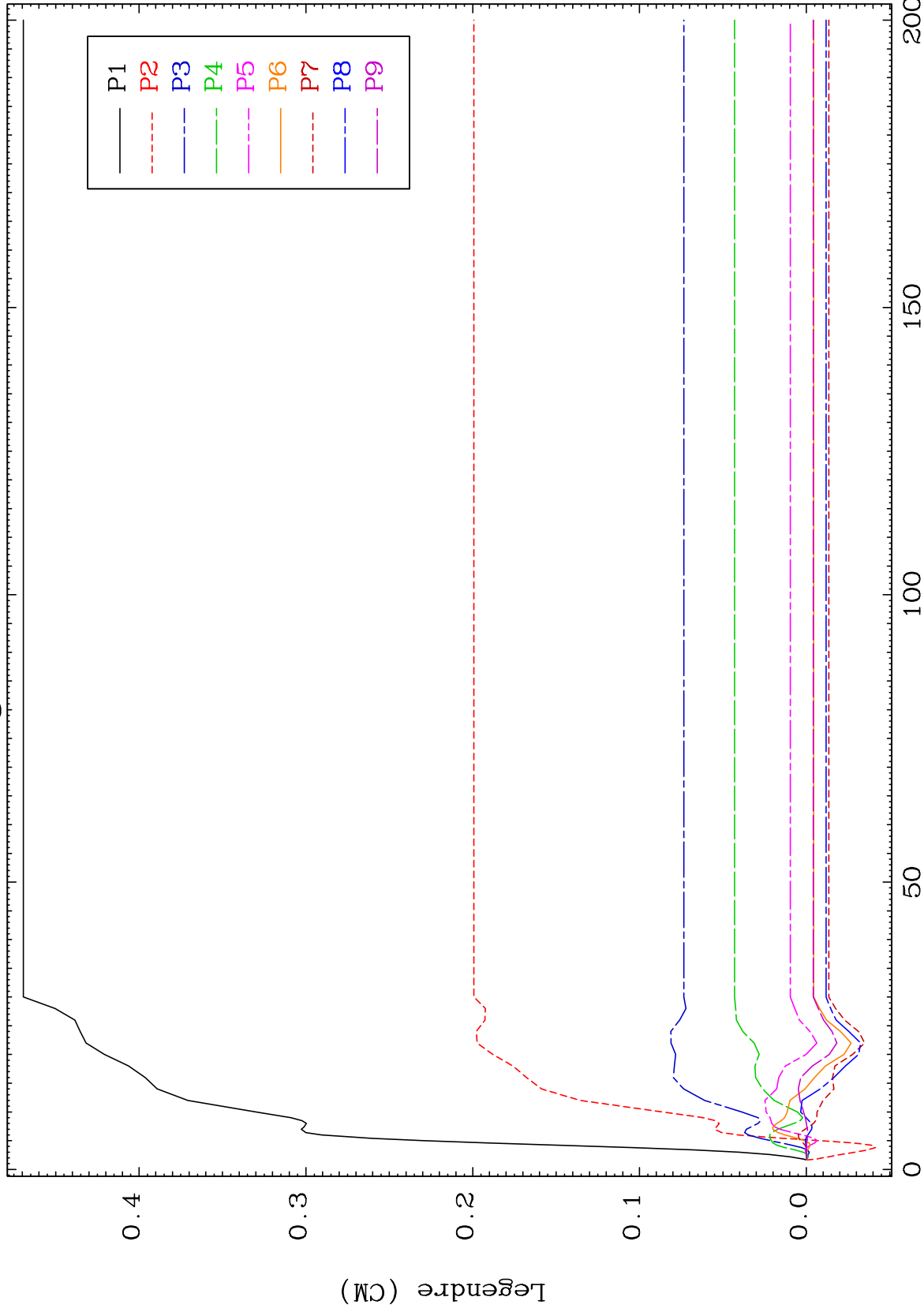
Incident Energy (MeV)

105

MAT 6416

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

64-Gd-149



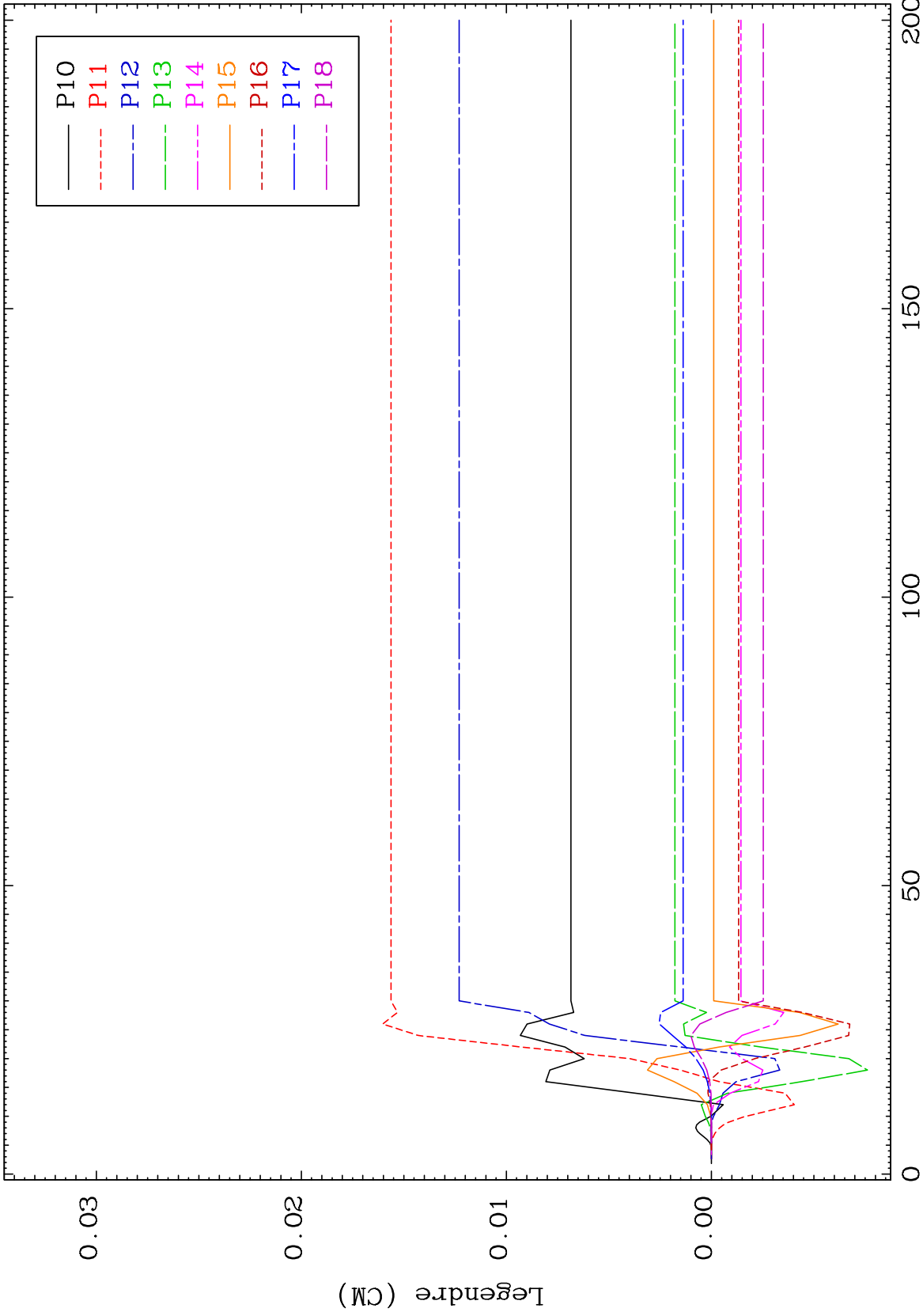
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64-Gd-149

MAT 6416

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

64-Gd-149



107

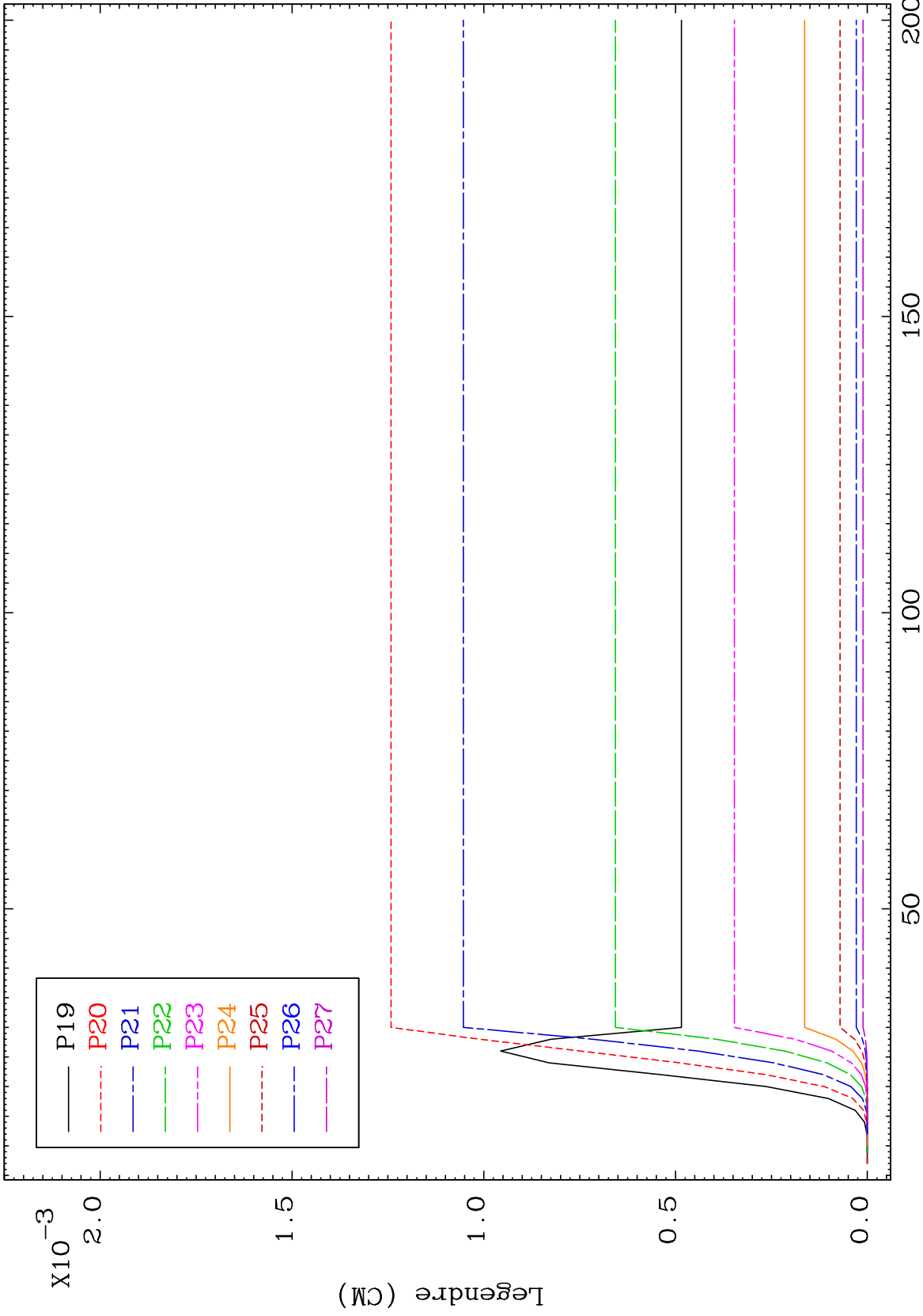
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



108

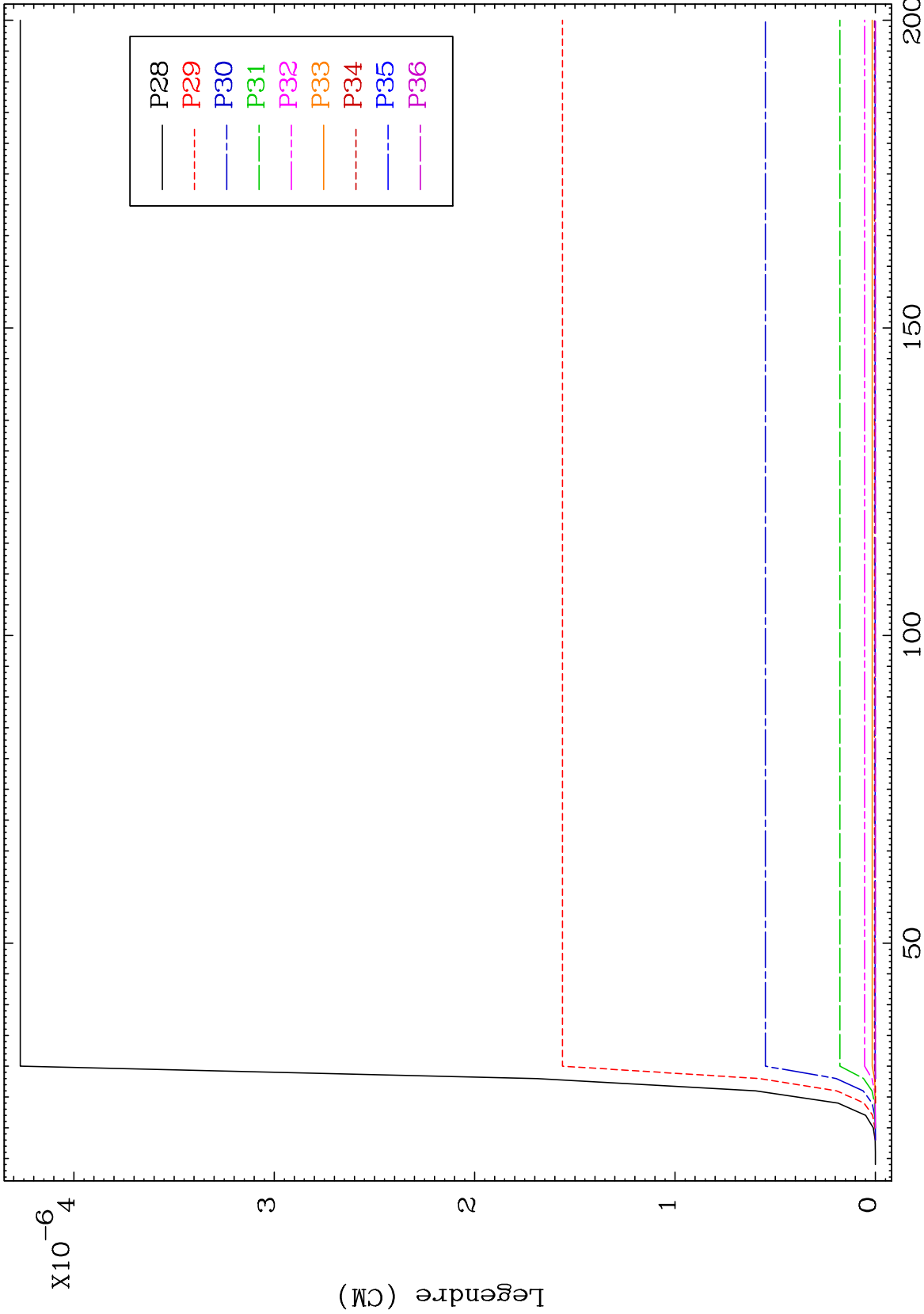
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



109

Incident Energy (MeV)

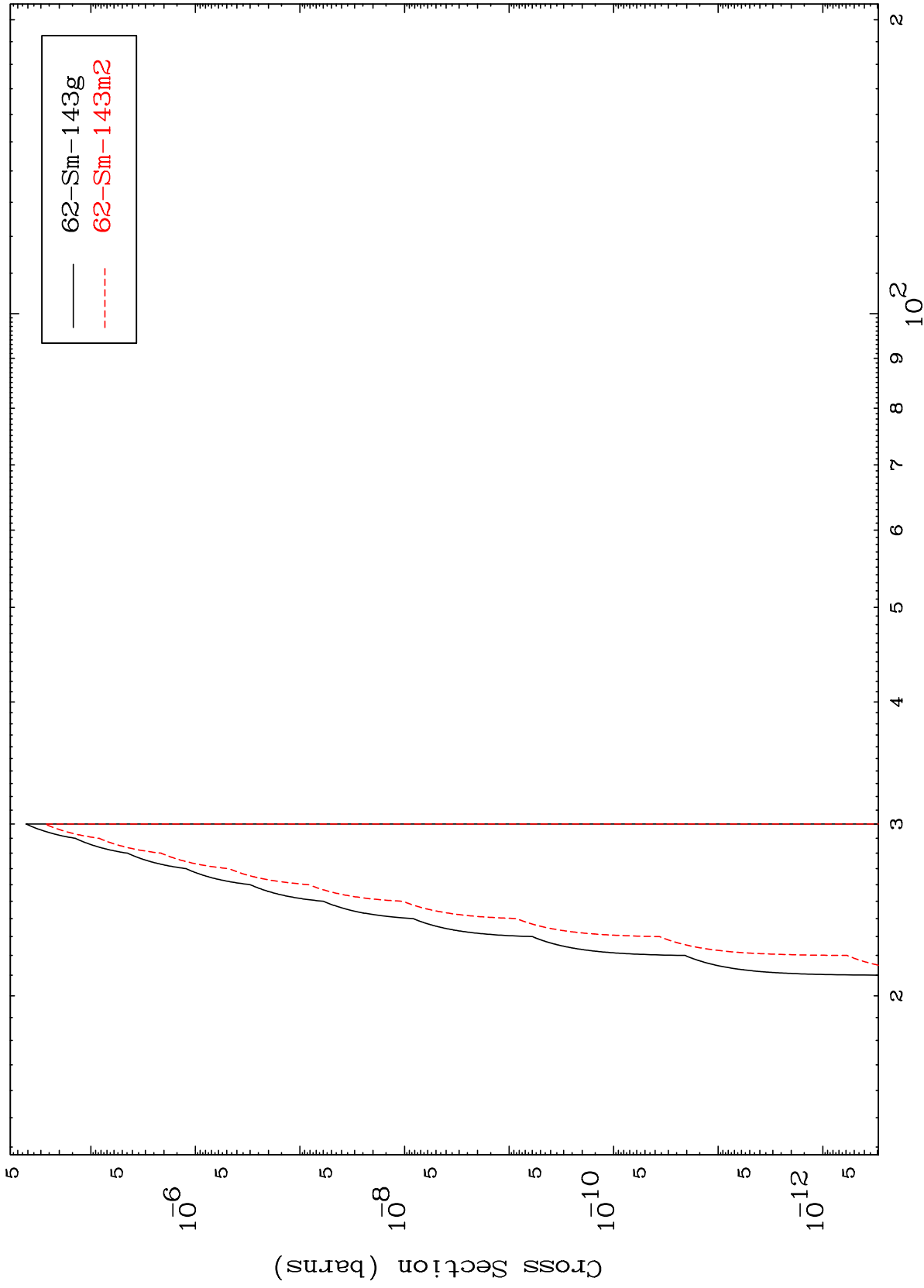
64-Gd-149

MAT 6416

(n,3n) α

64-Gd-149

Radionuclide Production Cross Section



110

Incident Energy (MeV)

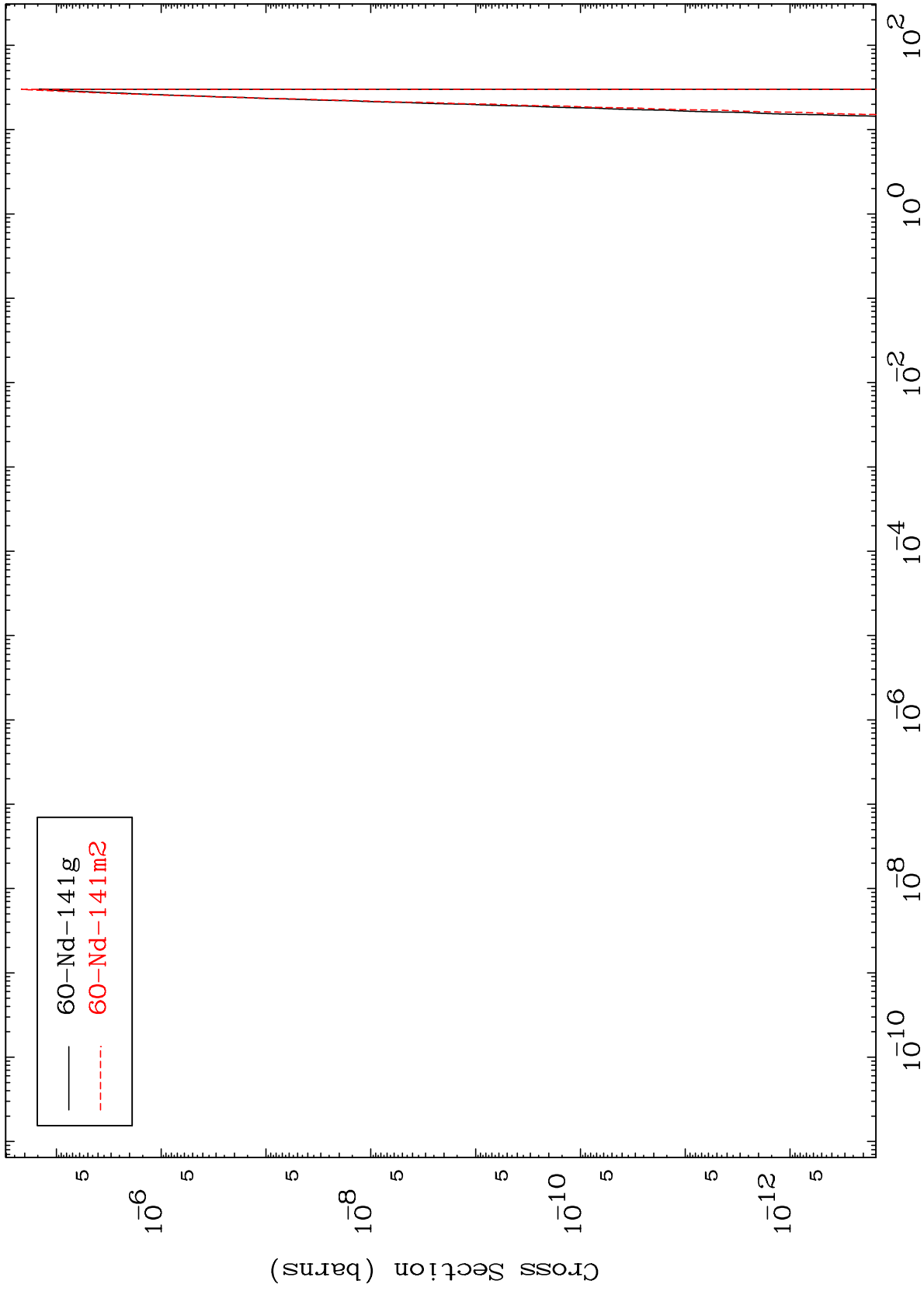
64-Gd-149

MAT 6416

(n,n') 2 α

64-Gd-149

Radionuclide Production Cross Section



111

Incident Energy (MeV)

64-Gd-149