

Program EVALPLOT
(Version 2018-1)

by

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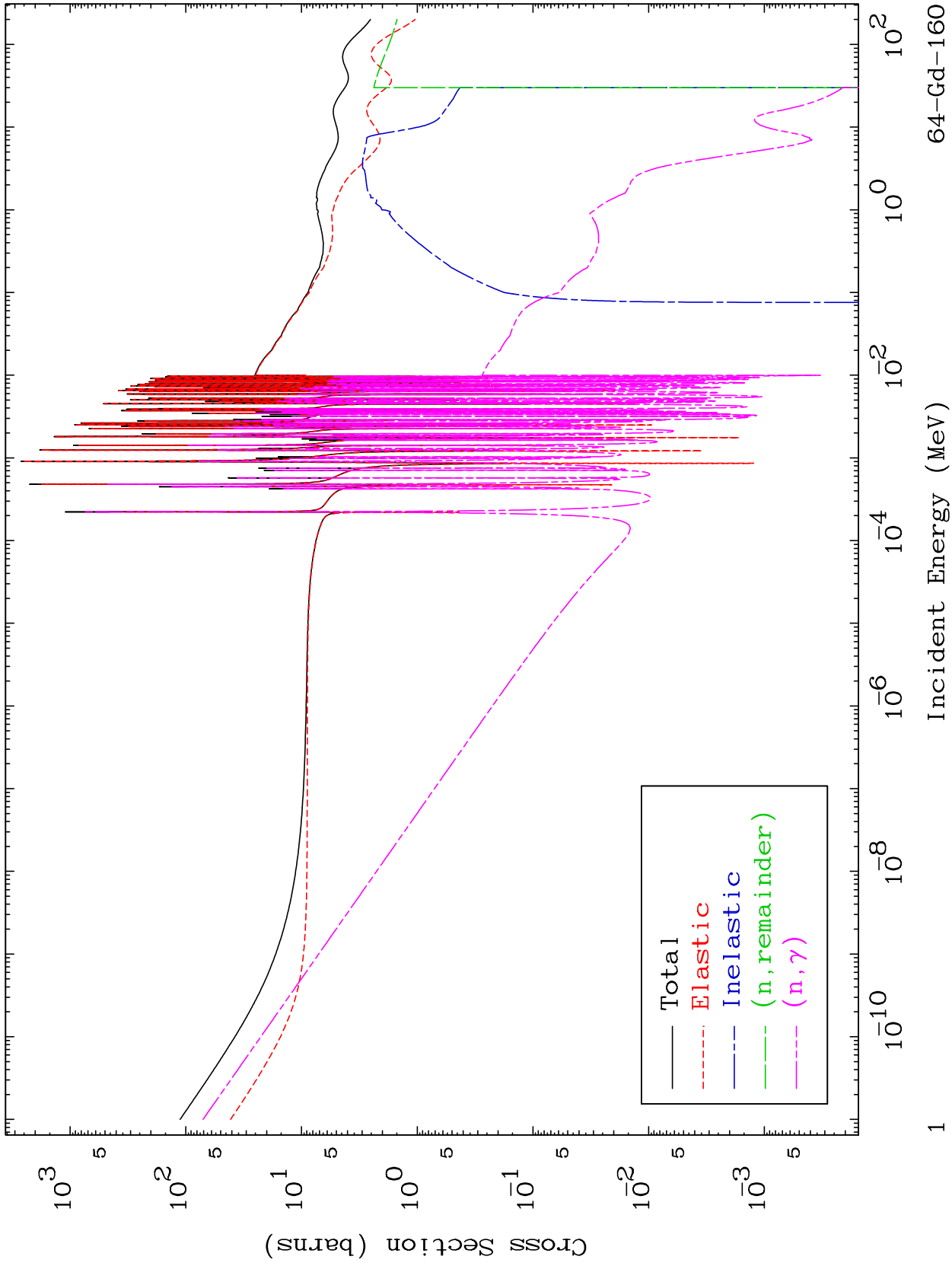
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6449

Major
293 Kelvin Cross Sections

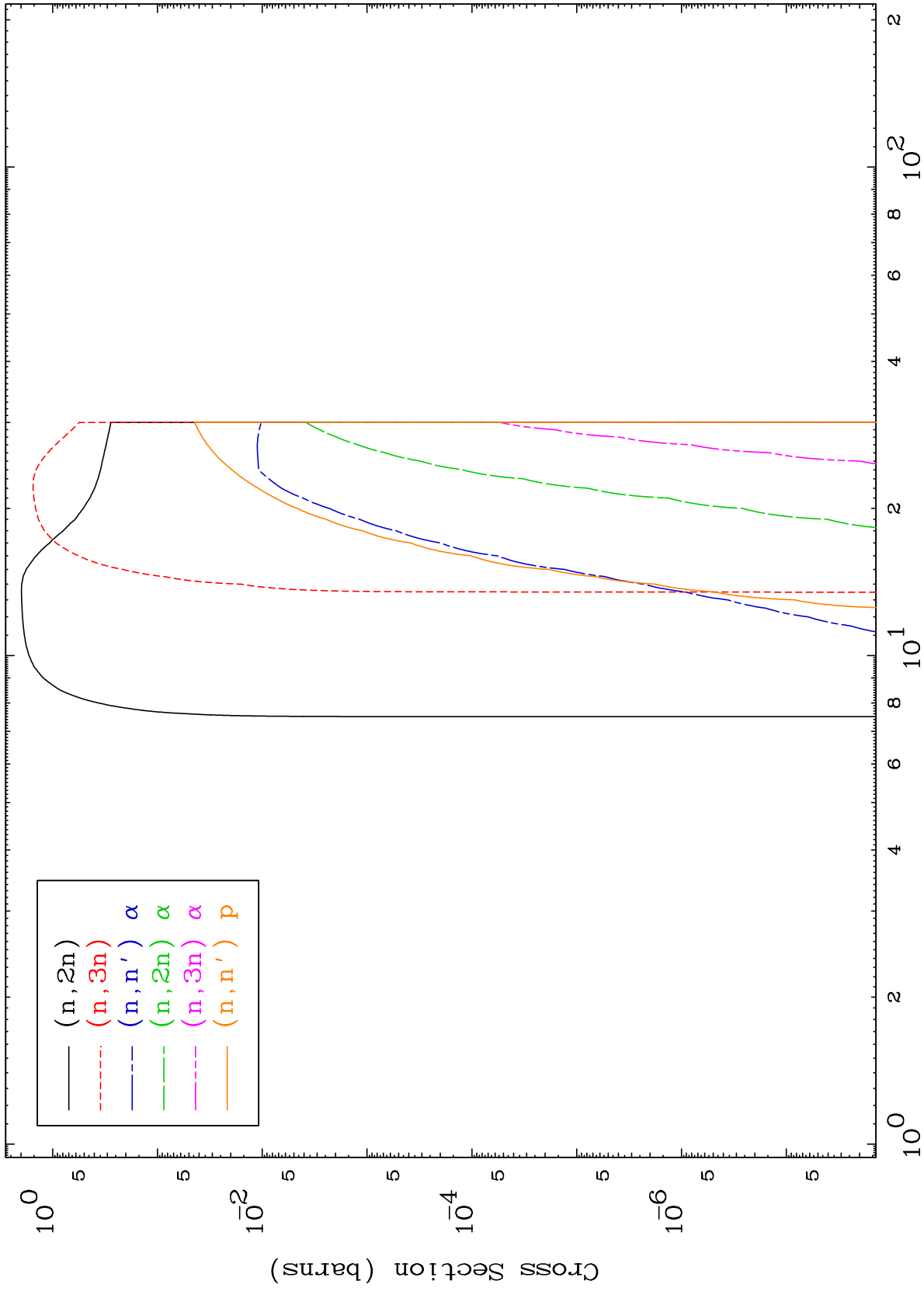
64-Gd-160



MAT 6449

Neutron Production 293 Kelvin Cross Sections

64-Gd-160



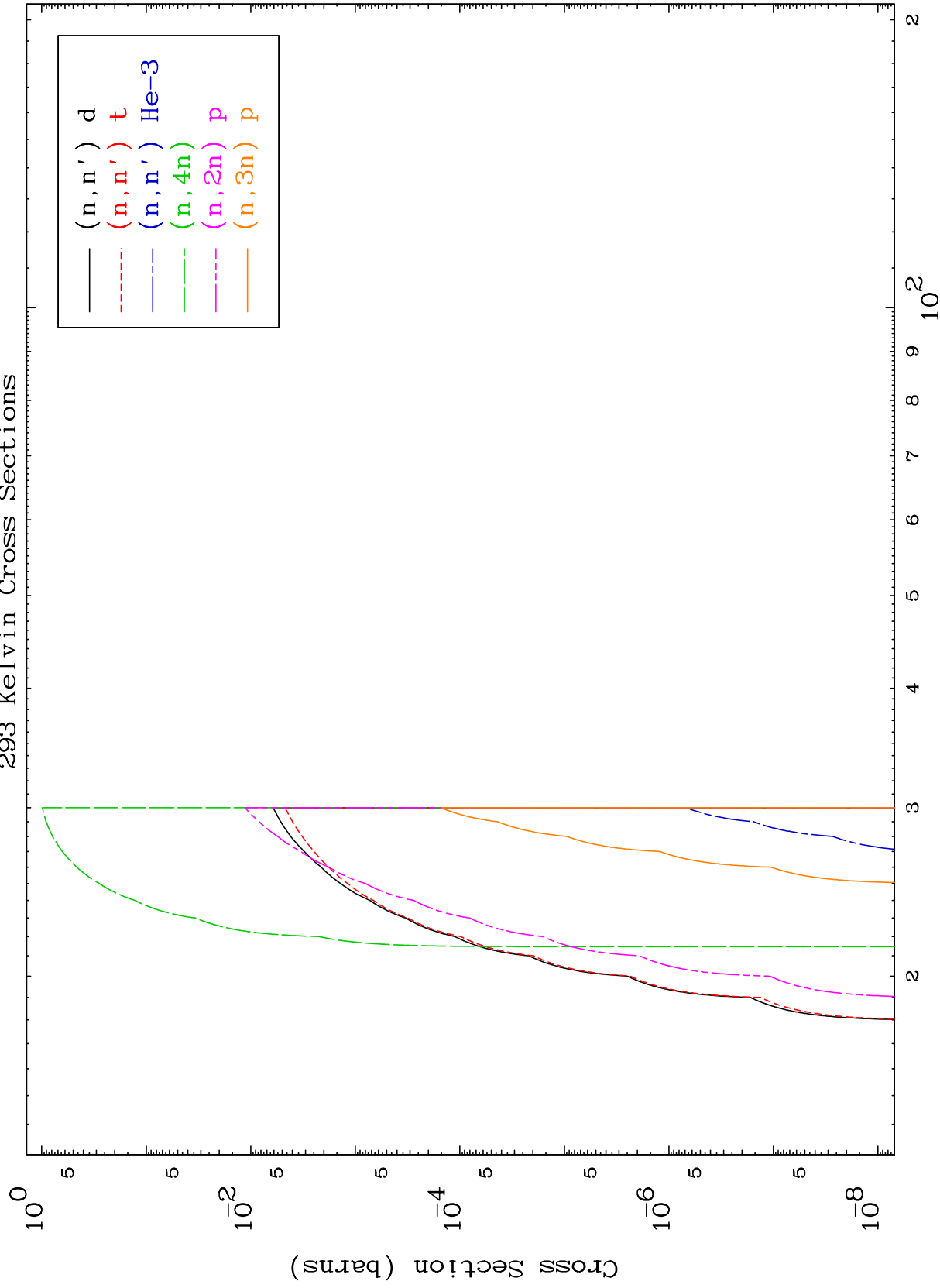
Incident Energy (MeV)

64-Gd-160

MAT 6449

Neutron Production
293 Kelvin Cross Sections

64-Gd-160



3

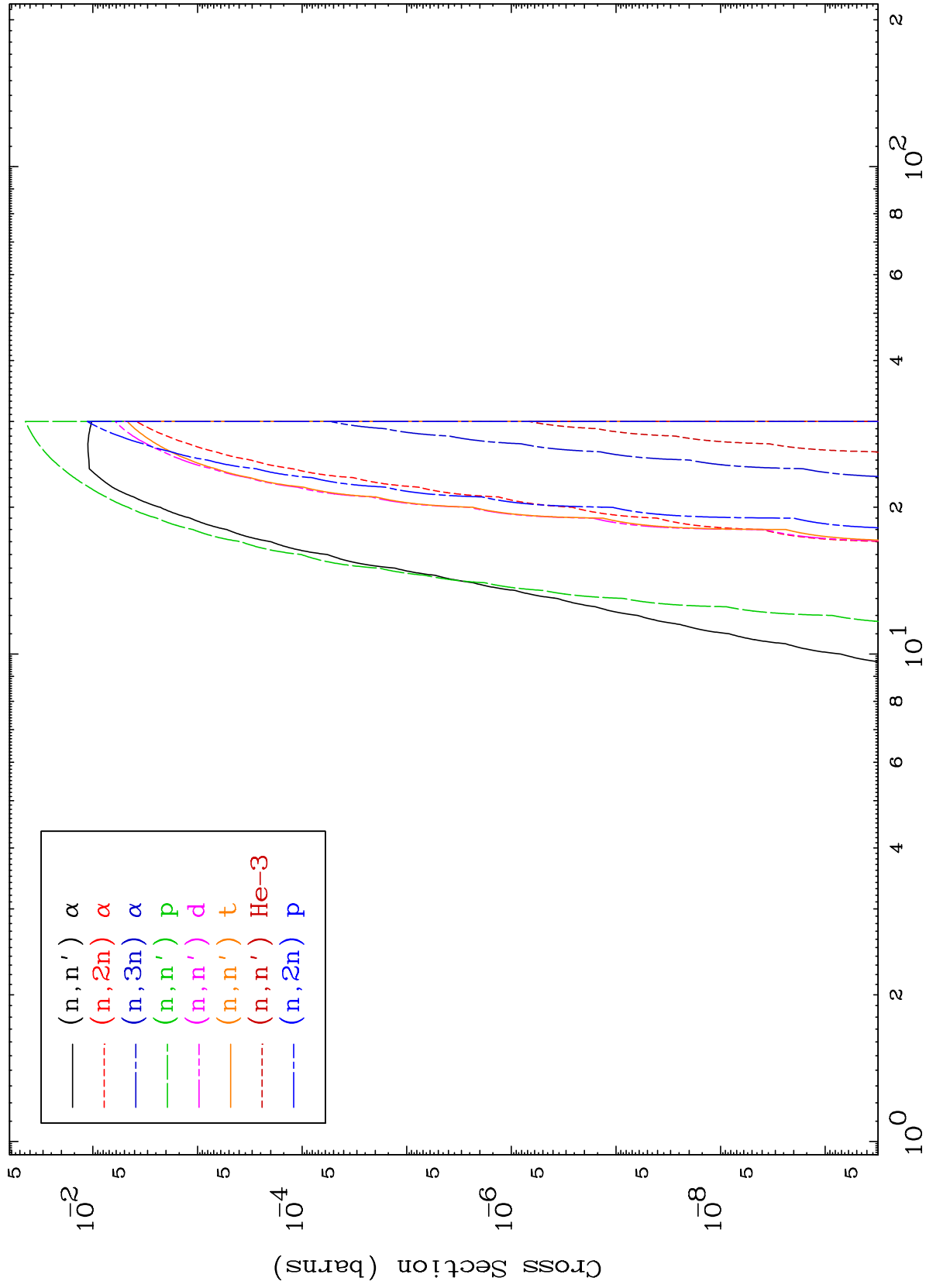
Incident Energy (MeV)

64-Gd-160

MAT 6449

293 Kelvin Cross Sections

64-Gd-160

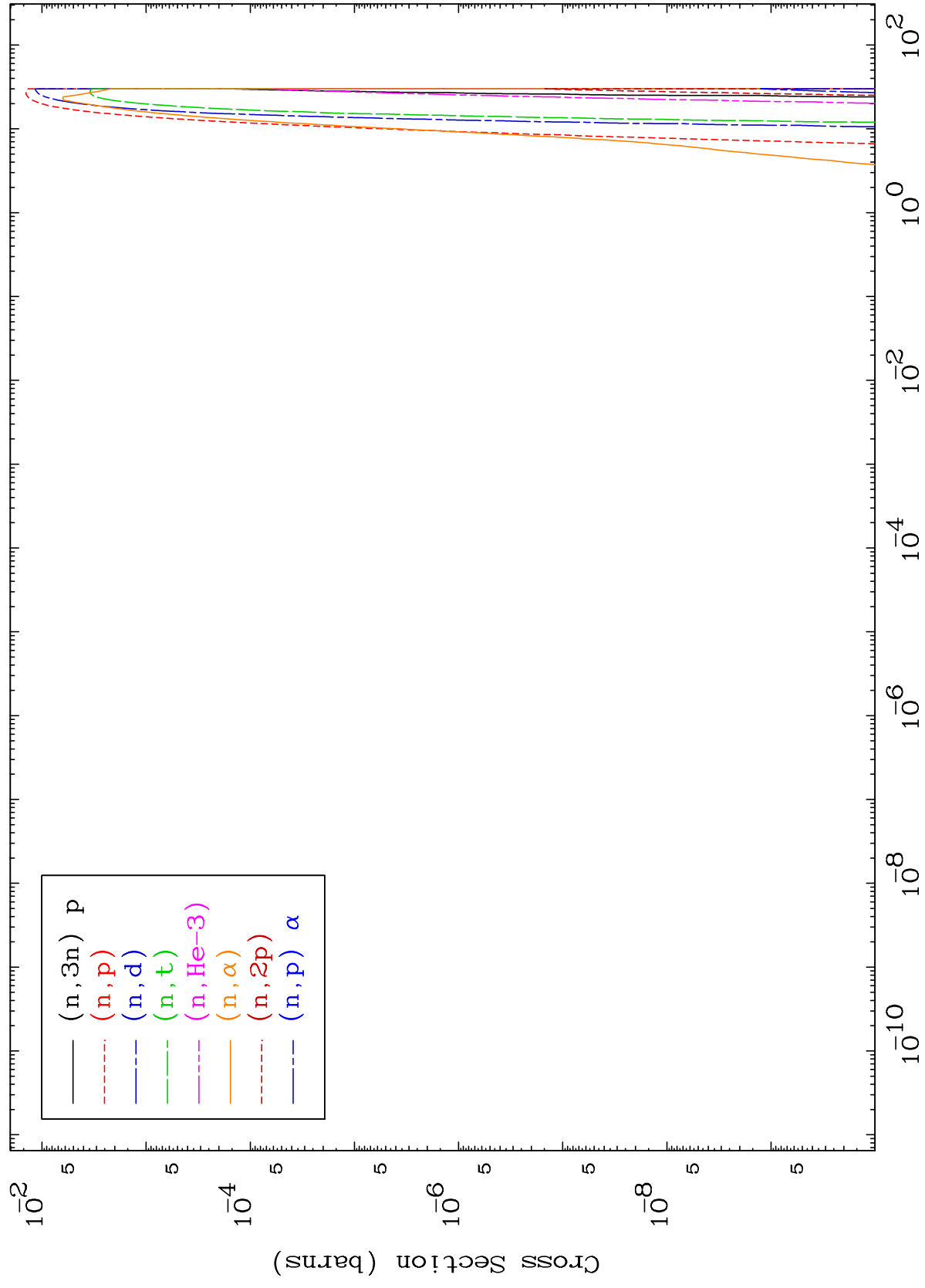


64-Gd-160

MAT 6449

Charged Particle
293 Kelvin Cross Sections

64-Gd-160



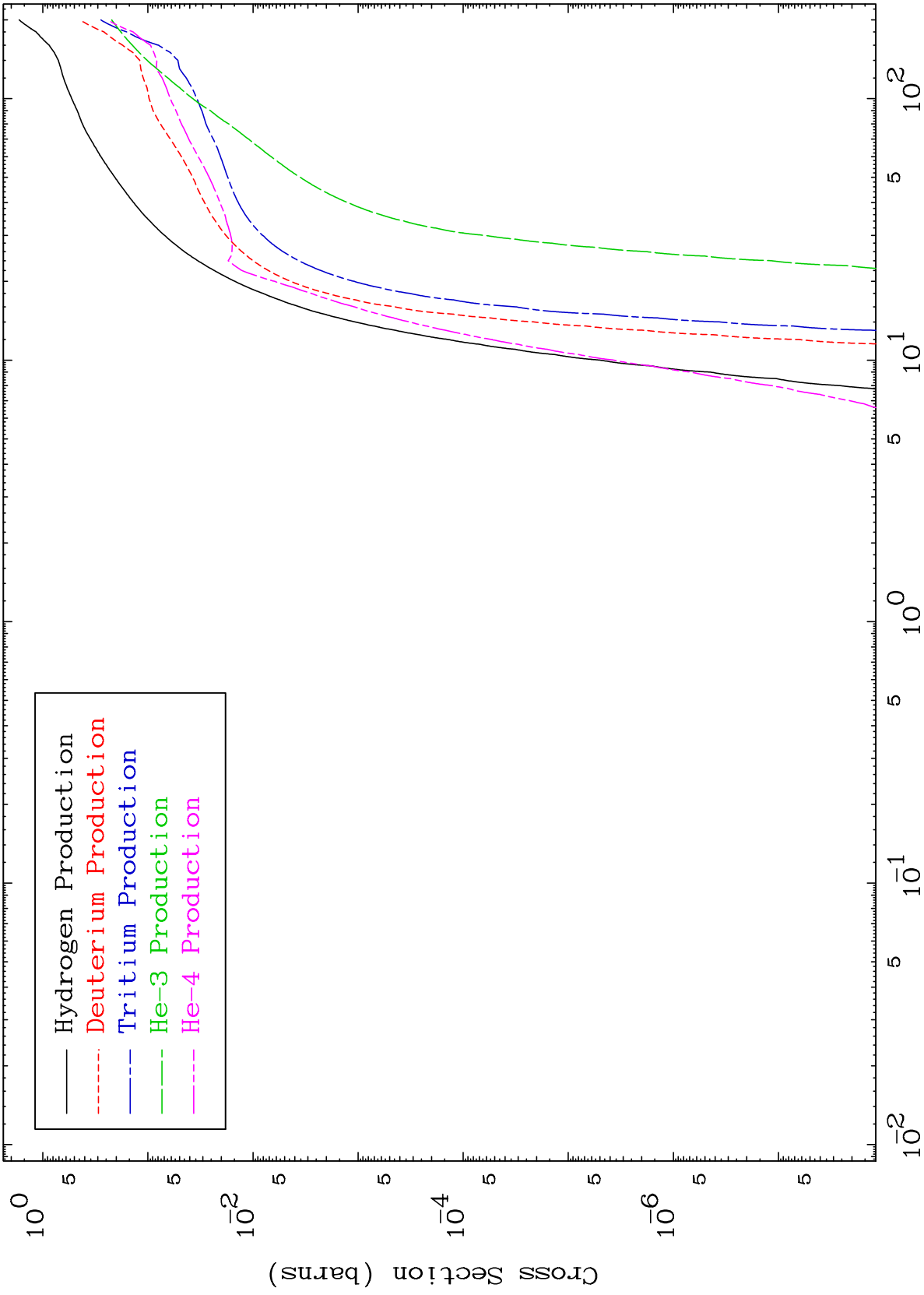
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64-Gd-160

MAT 6449

Particle Production
293 Kelvin Cross Sections

64-Gd-160



64-Gd-160

Incident Energy (MeV)

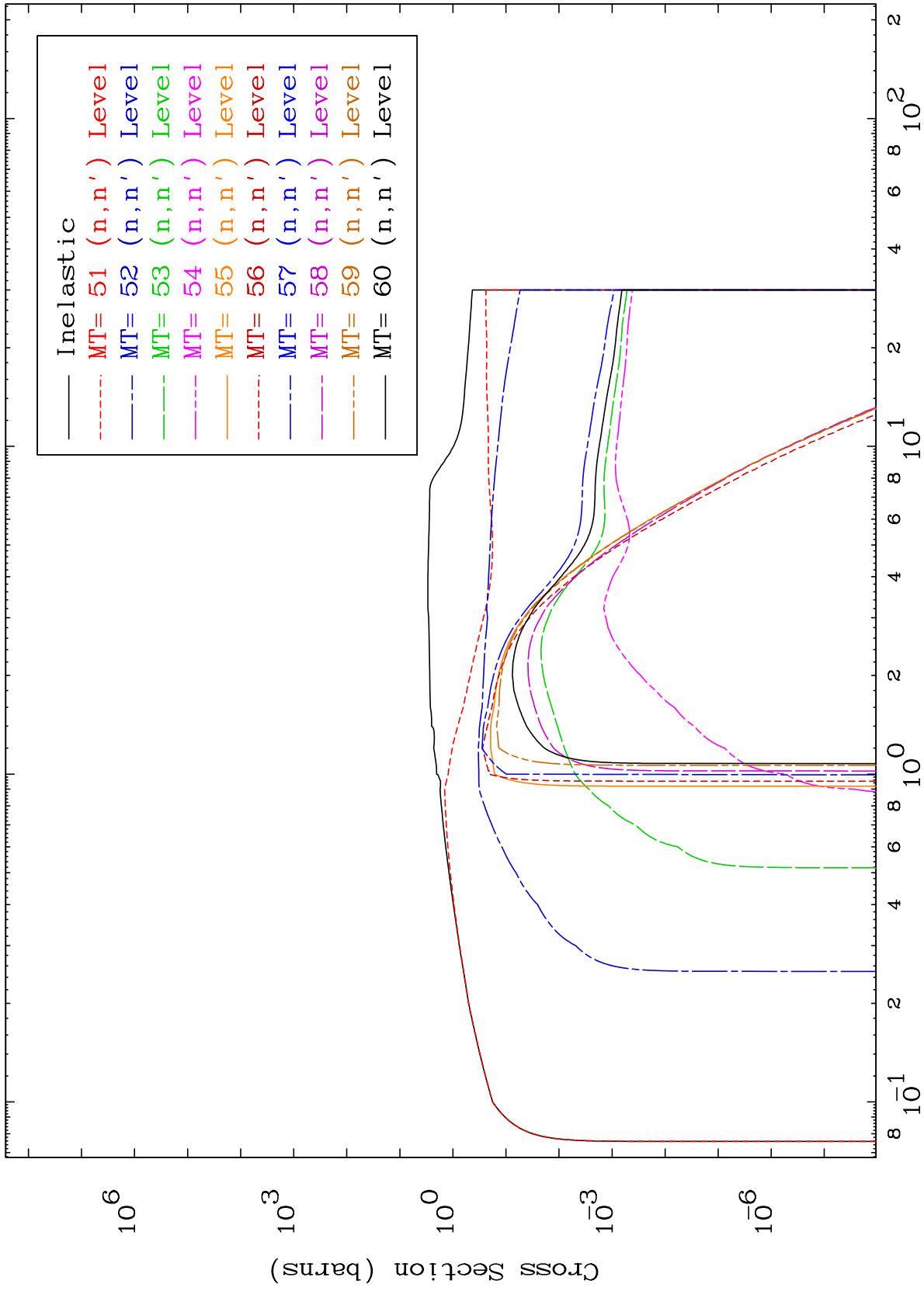
6

MAT 6449

(n,n') Level

64-Gd-160

293 Kelvin Cross Sections



7

Incident Energy (MeV)

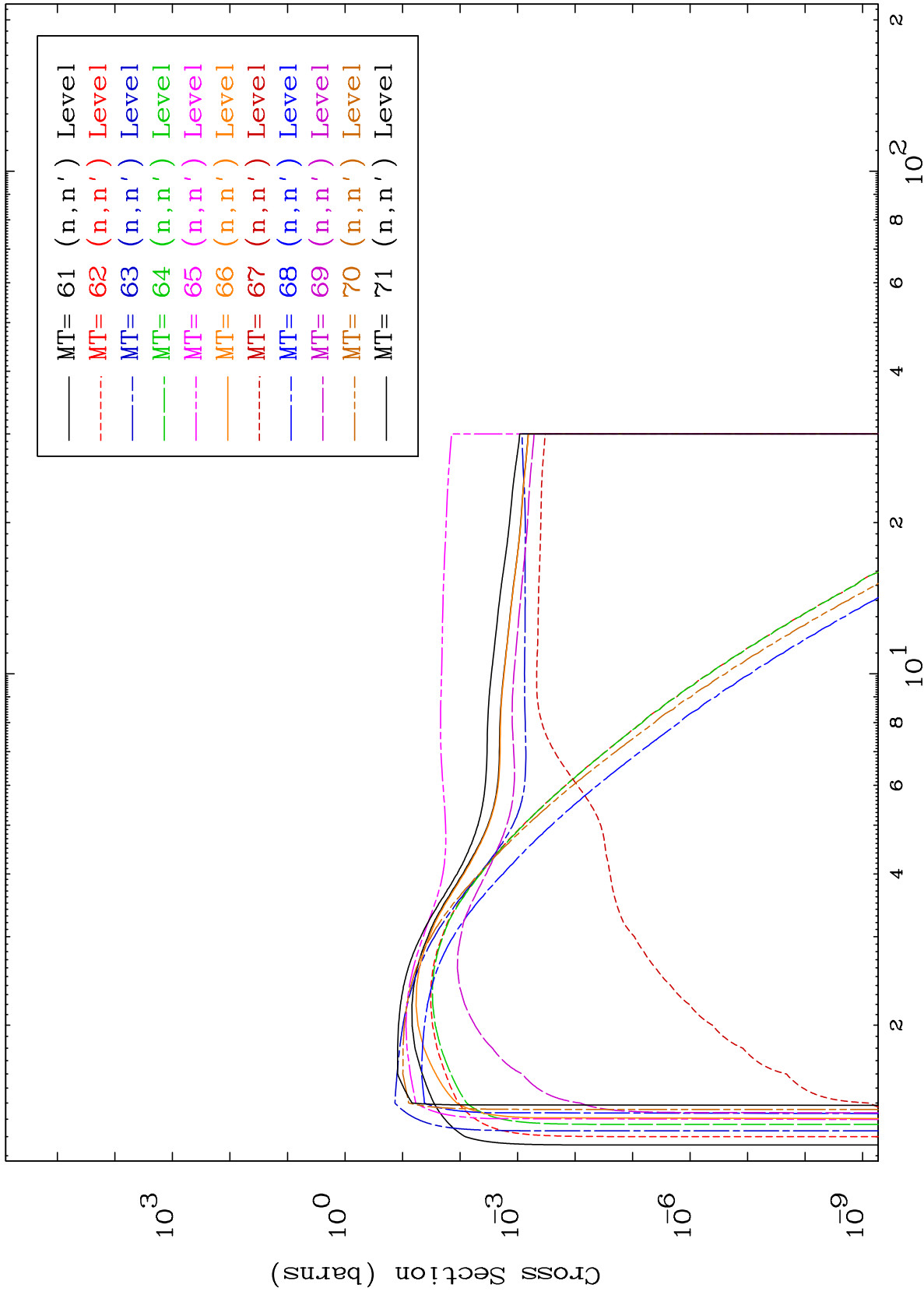
64-Gd-160

MAT 6449

(n,n') Level

64-Gd-160

293 Kelvin Cross Sections



8

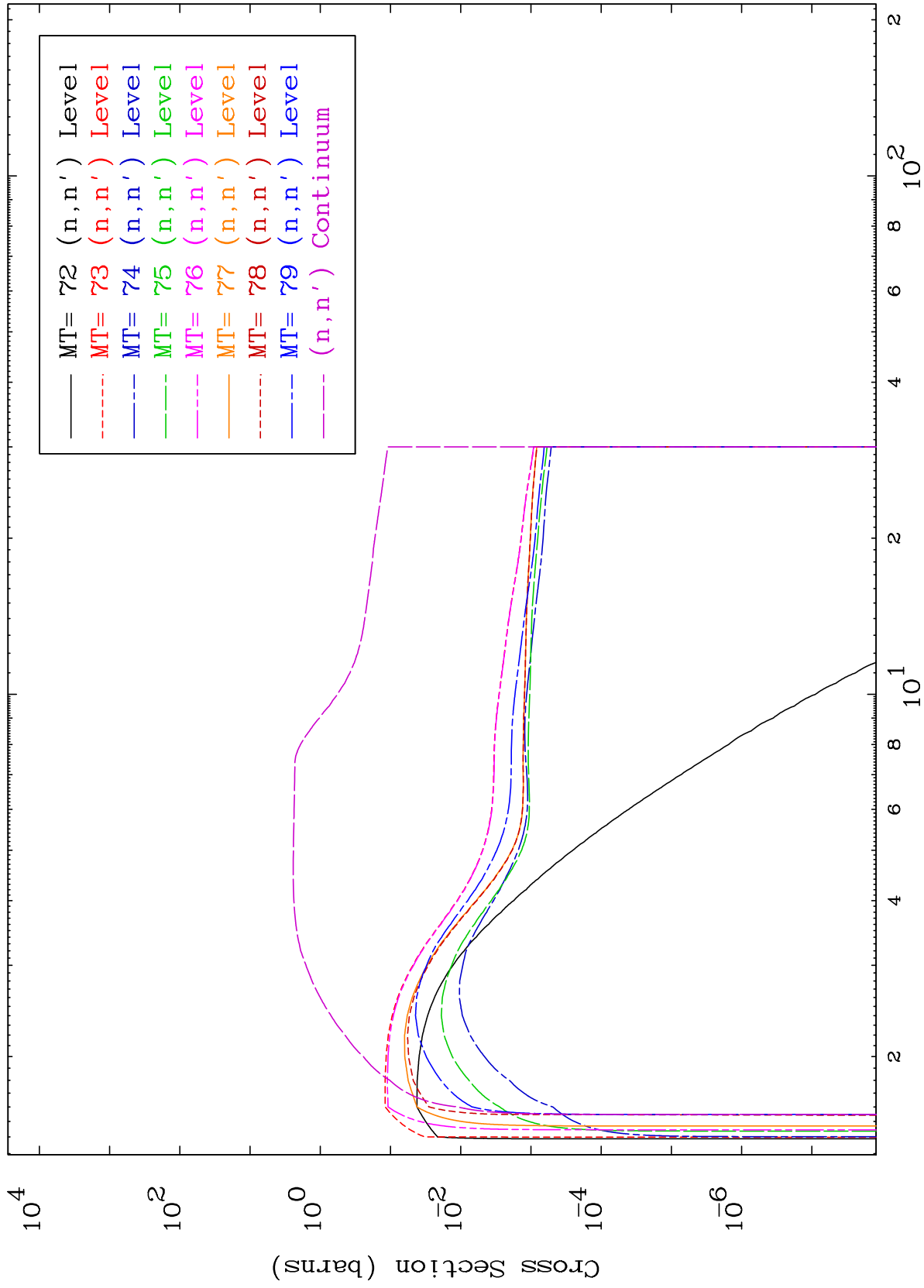
Incident Energy (MeV)

64-Gd-160

MAT 6449

(n,n') Level
293 Kelvin Cross Sections

64-Gd-160



9

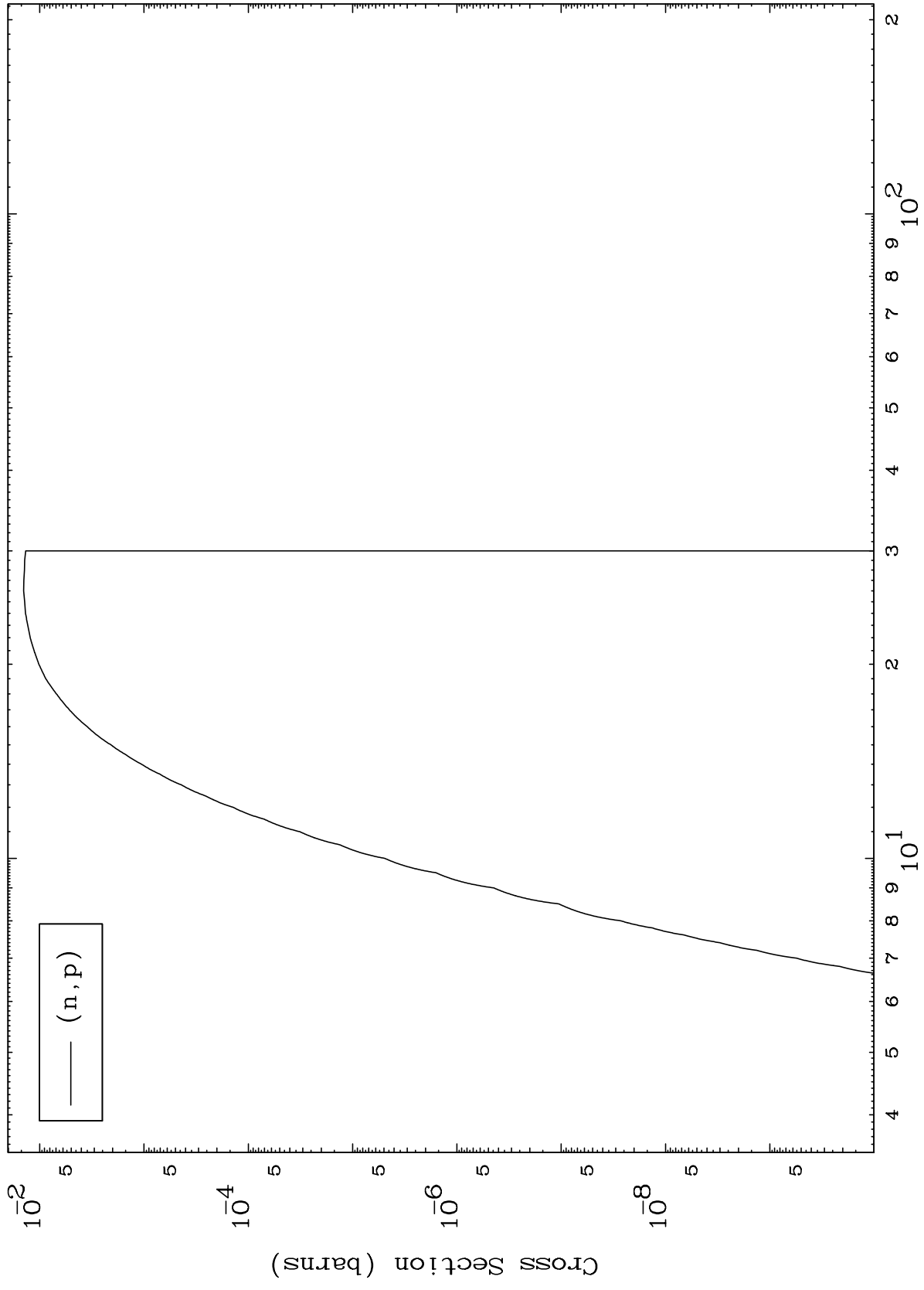
Incident Energy (MeV)

64-Gd-160

MAT 6449

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-160



10

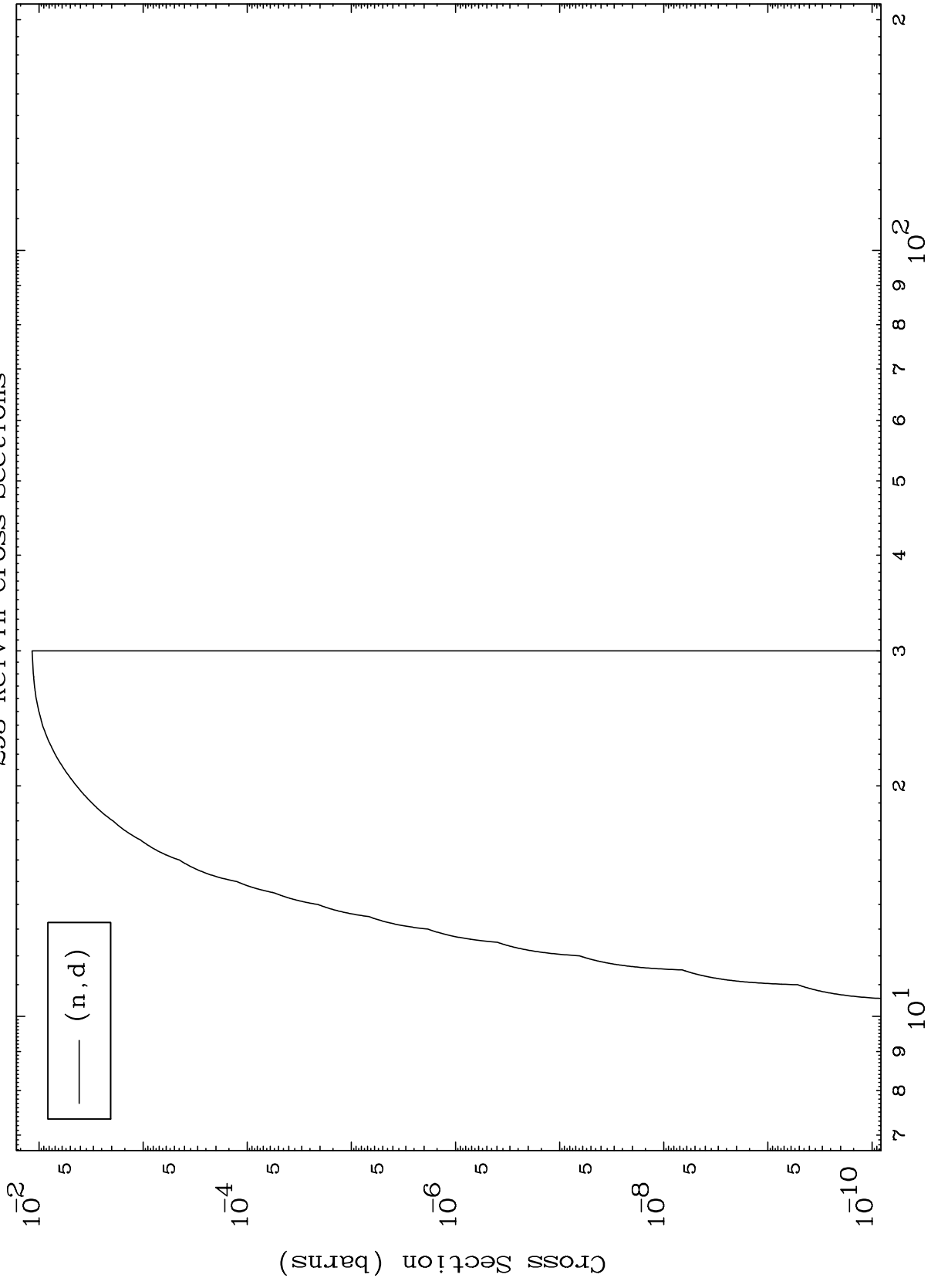
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64-Gd-160

MAT 6449

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-160



11

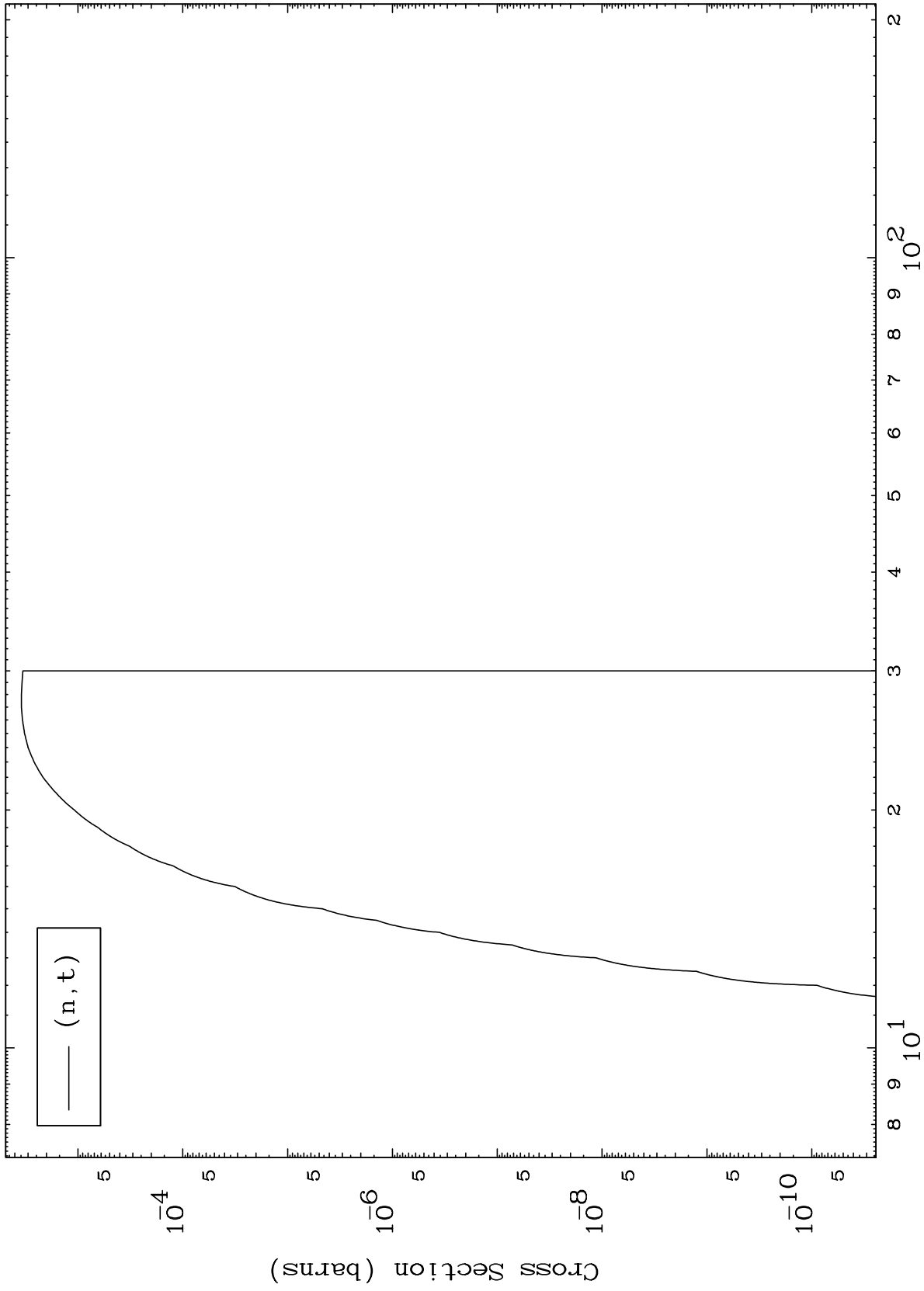
Incident Energy (MeV)

64-Gd-160

MAT 6449

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-160



12

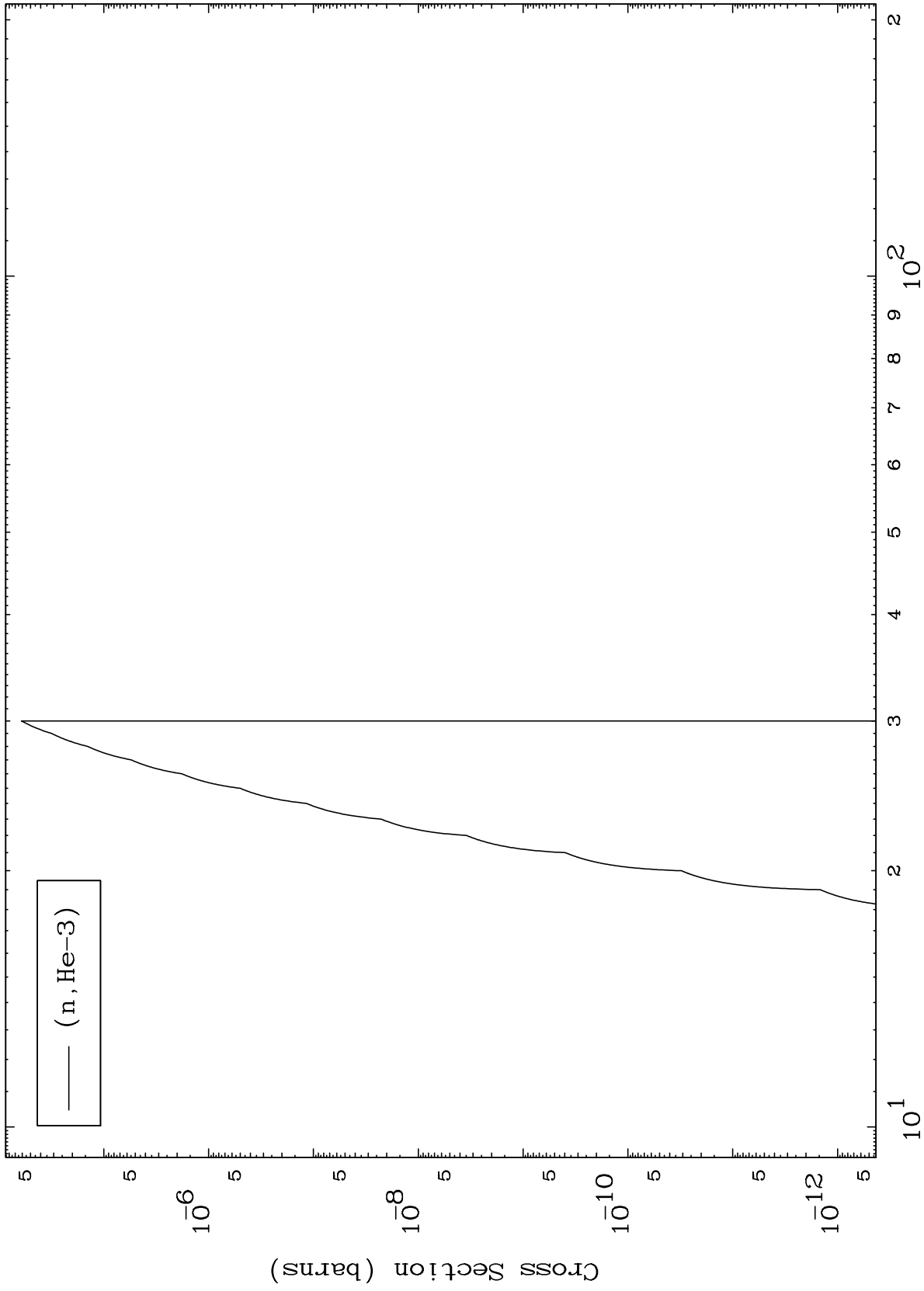
Incident Energy (MeV)

64-Gd-160

MAT 6449

(n,He3) Levels
293 Kelvin Cross Sections

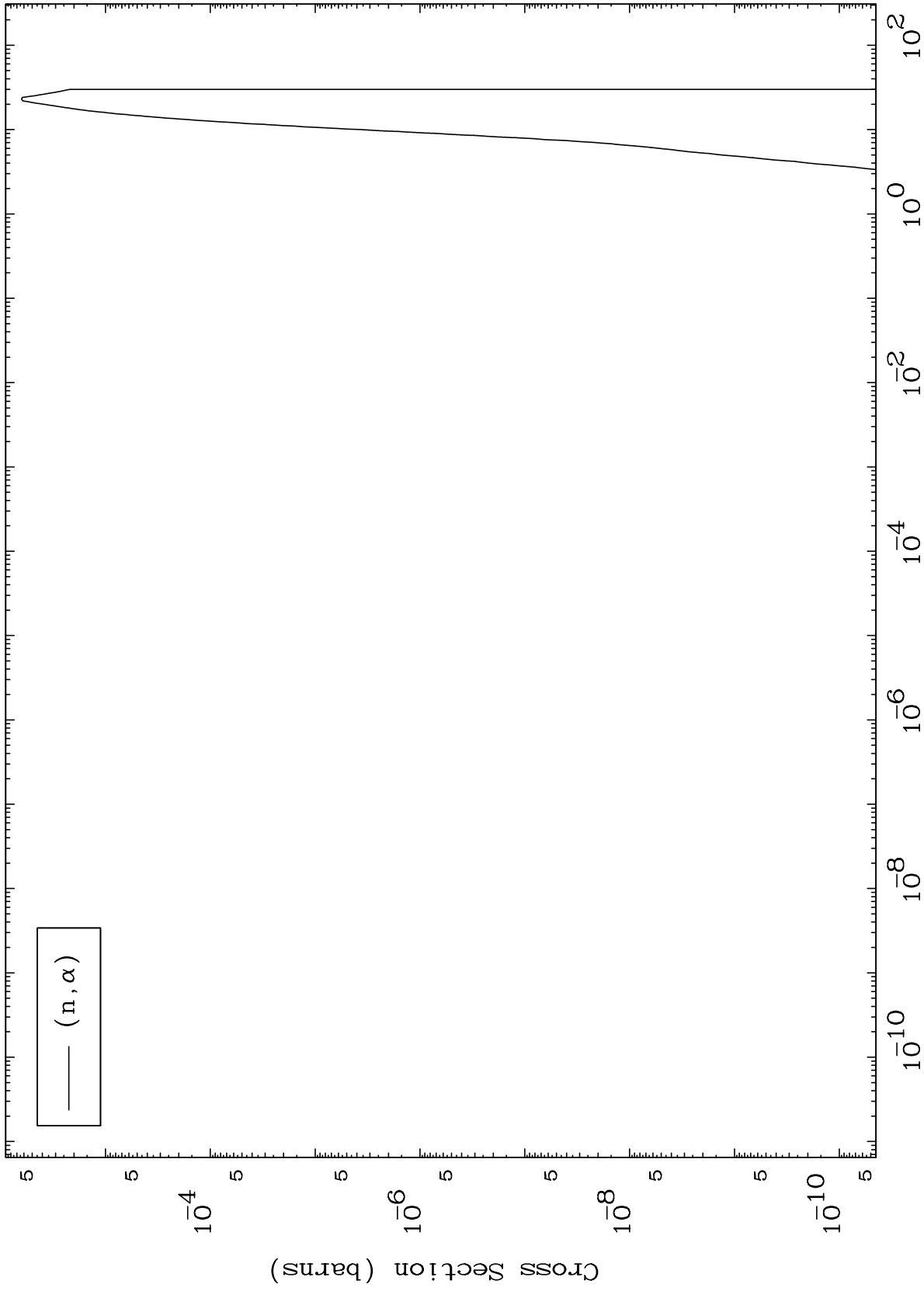
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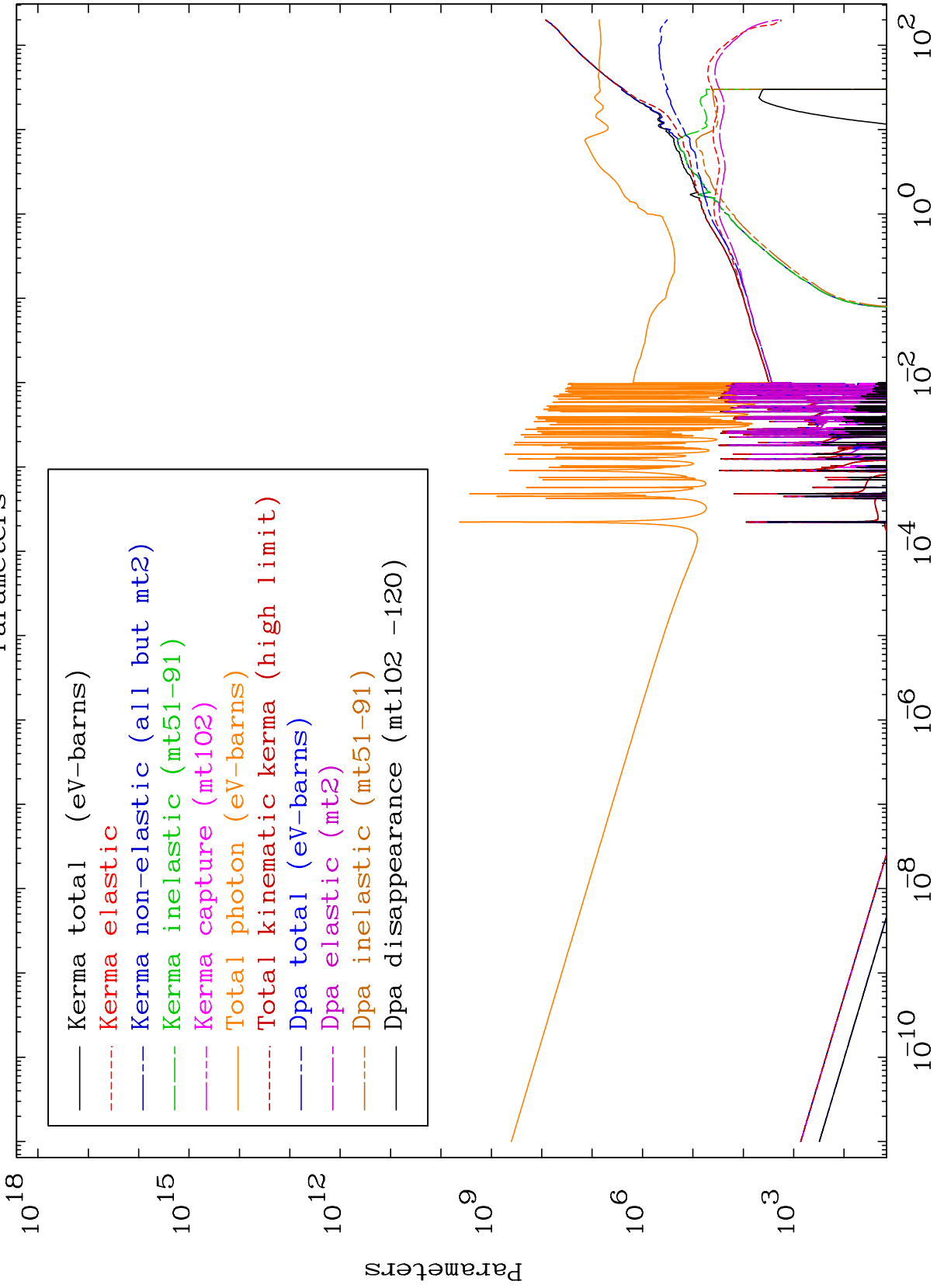


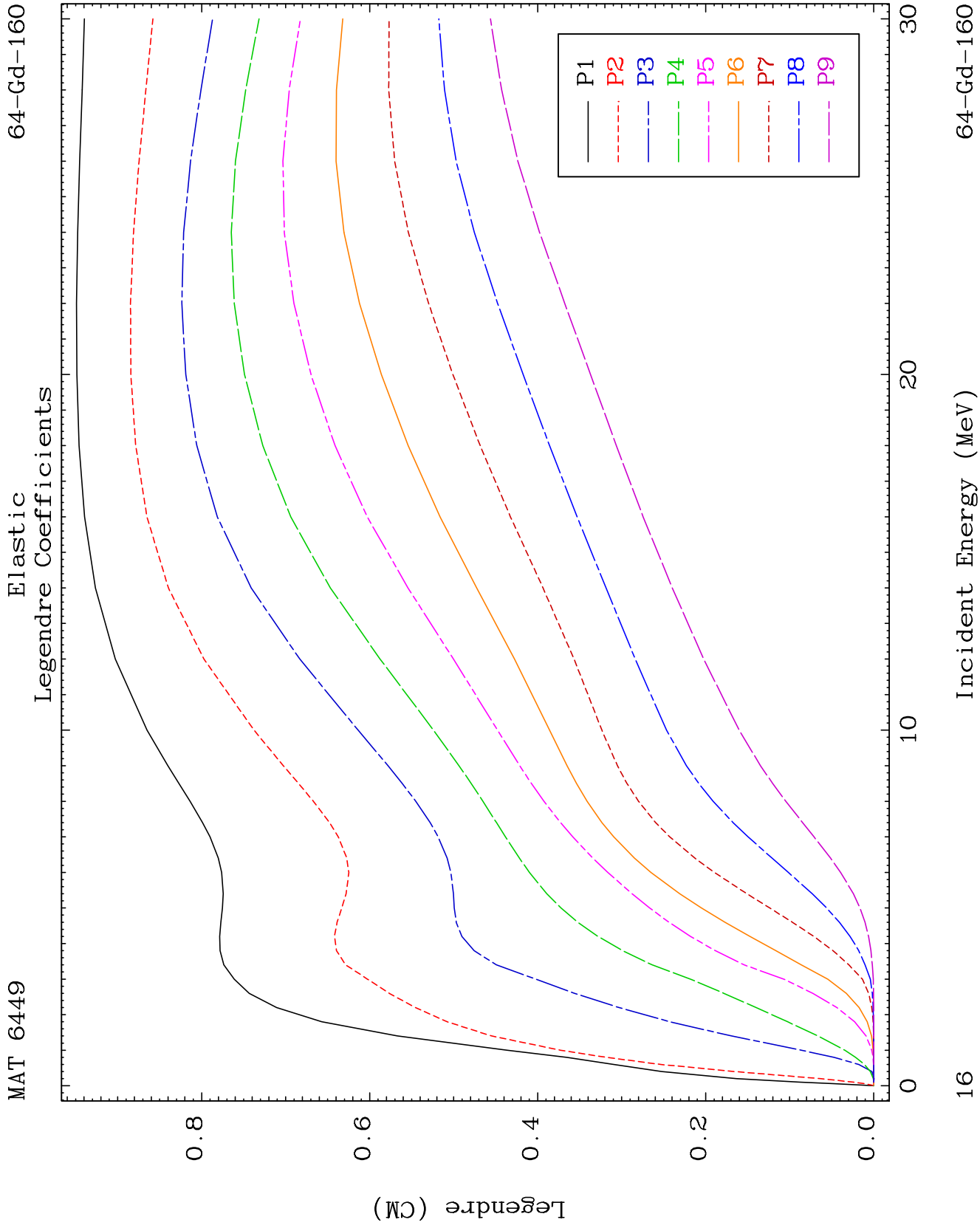
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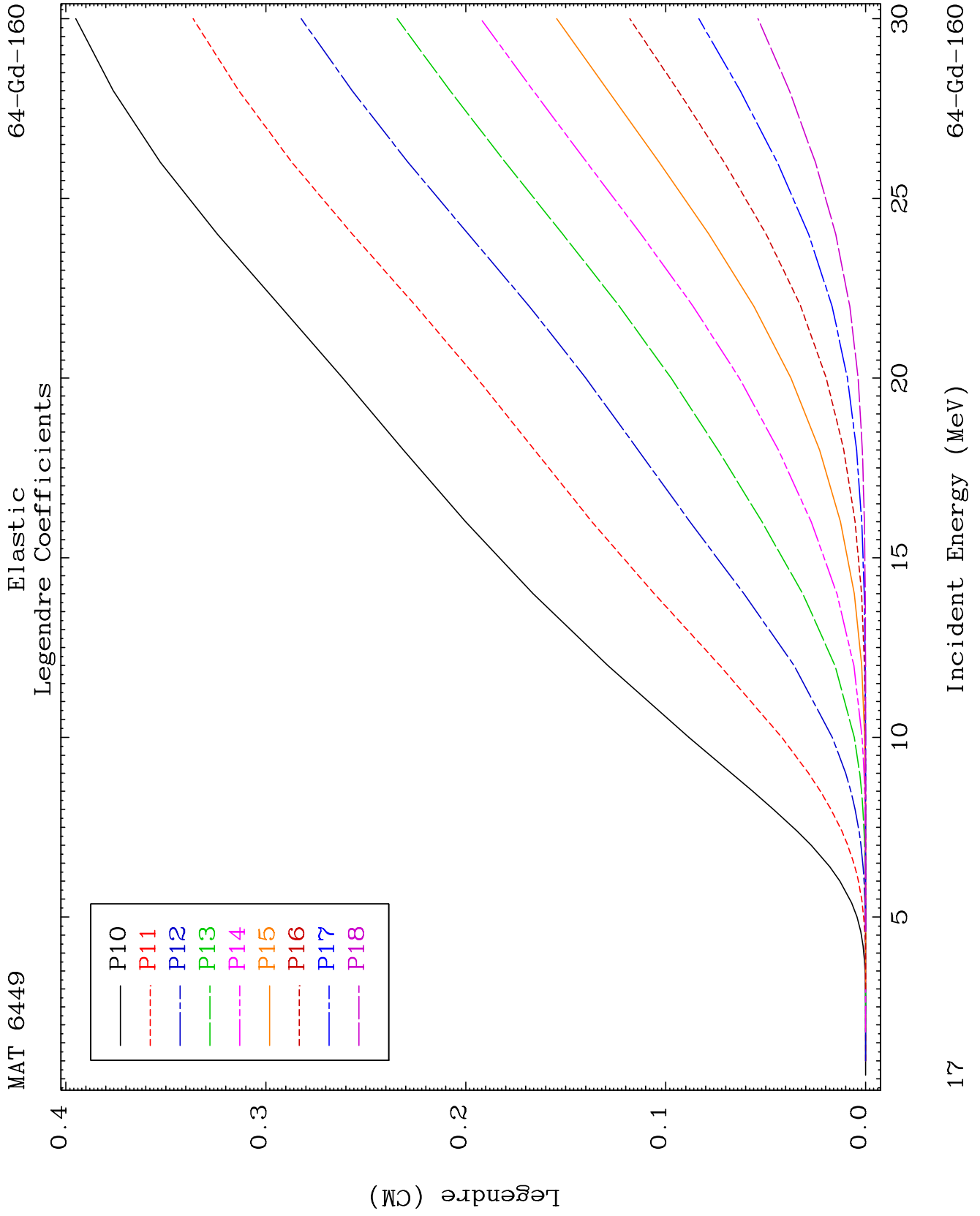
(n,α) Levels
293 Kelvin Cross Sections

64-Gd-160





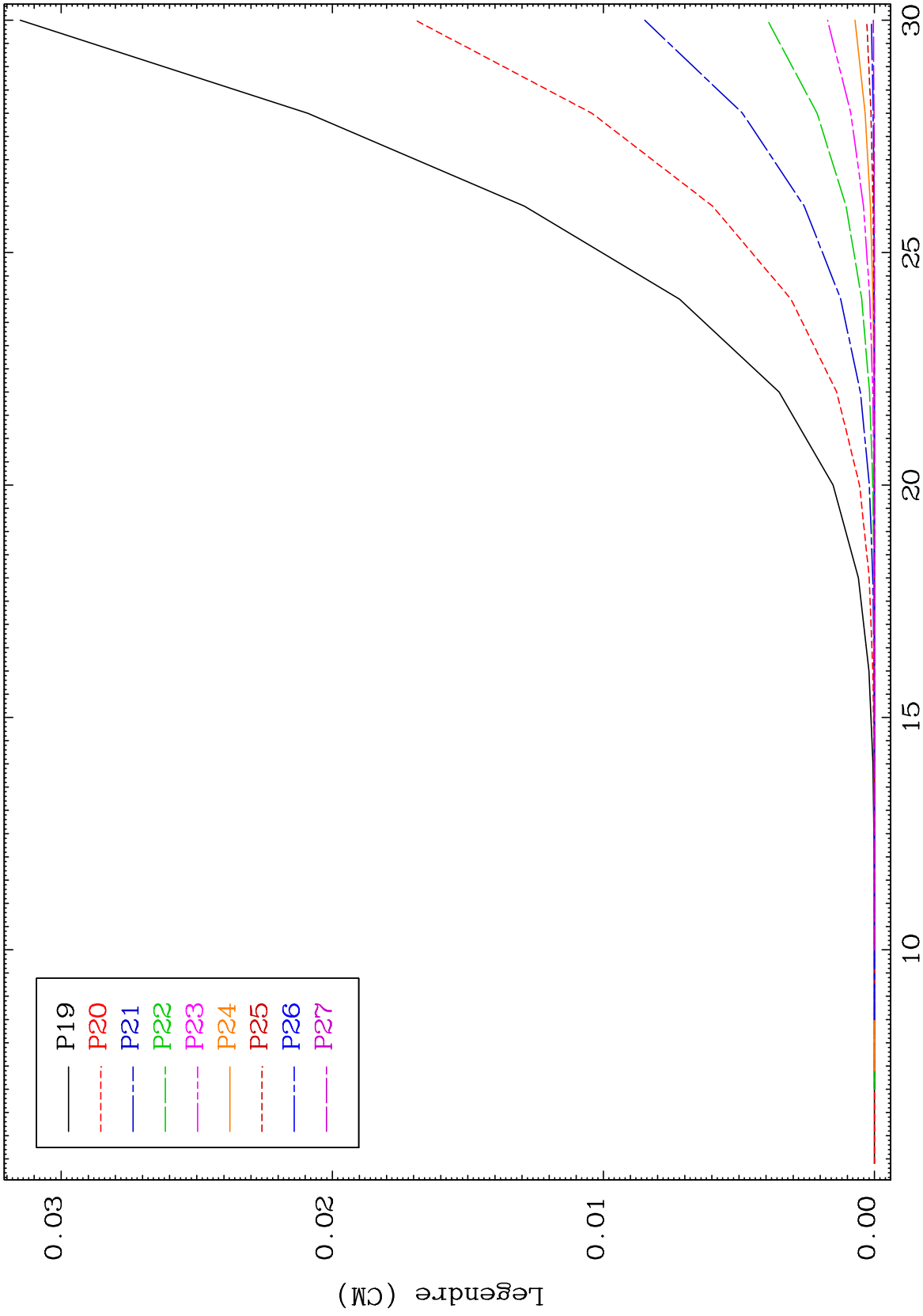




MAT 6449

Elastic Legendre Coefficients

64-Gd-160



18

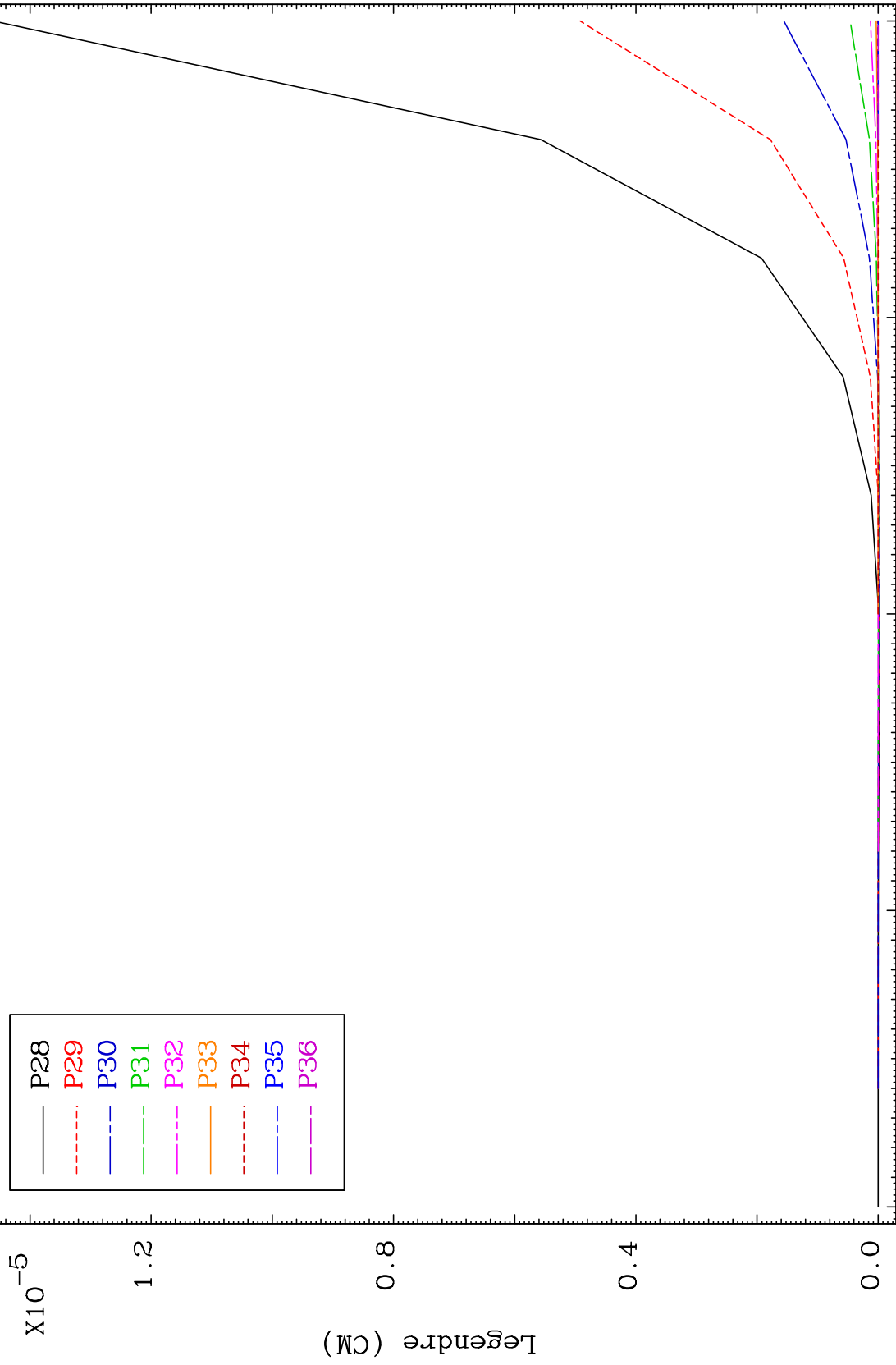
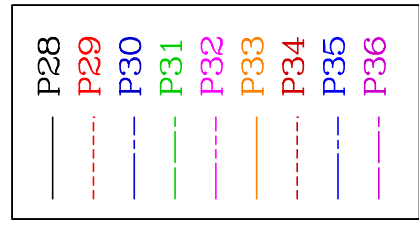
Incident Energy (MeV)

64-Gd-160

MAT 6449

Elastic Legendre Coefficients

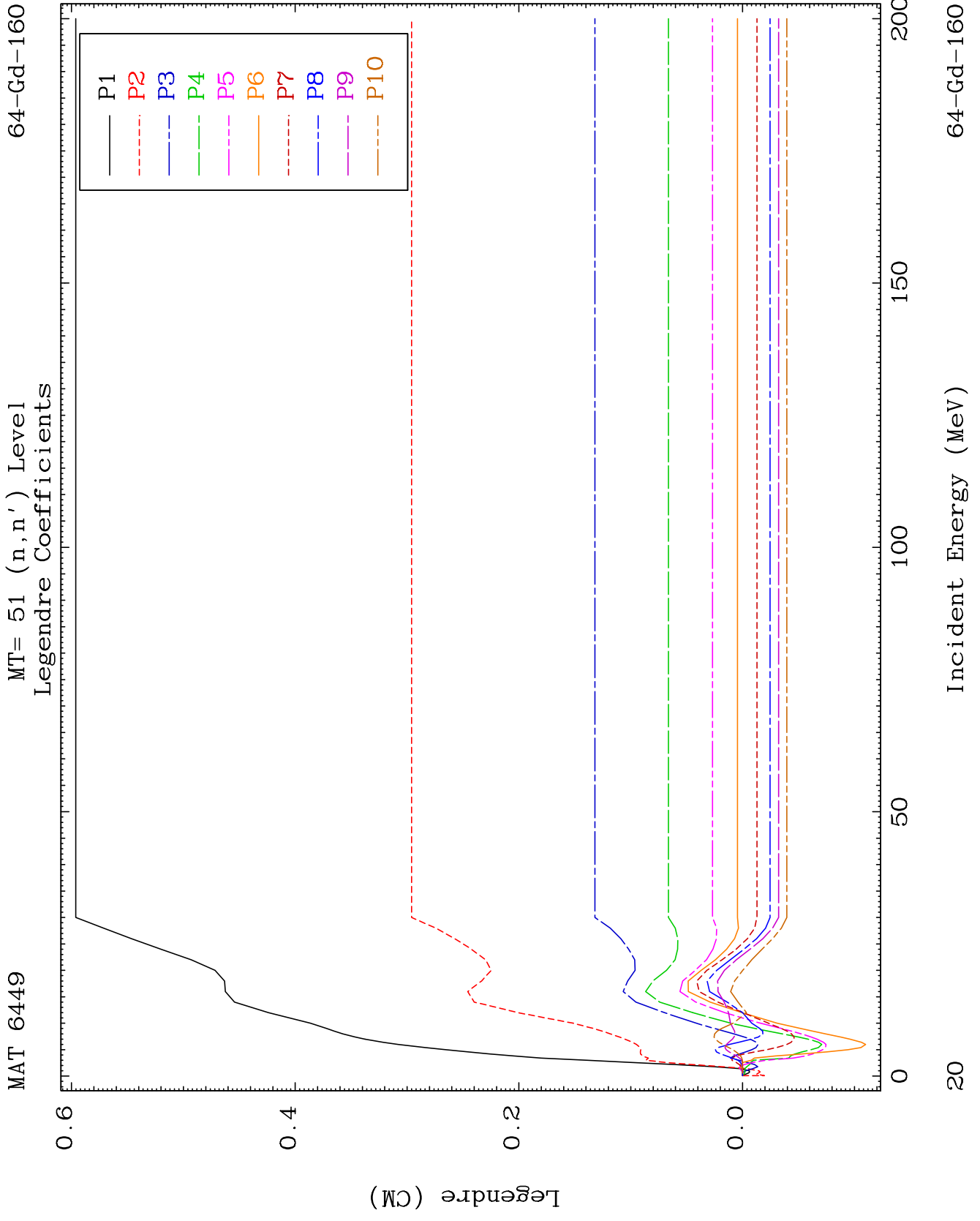
64-Gd-160



19

Incident Energy (MeV)

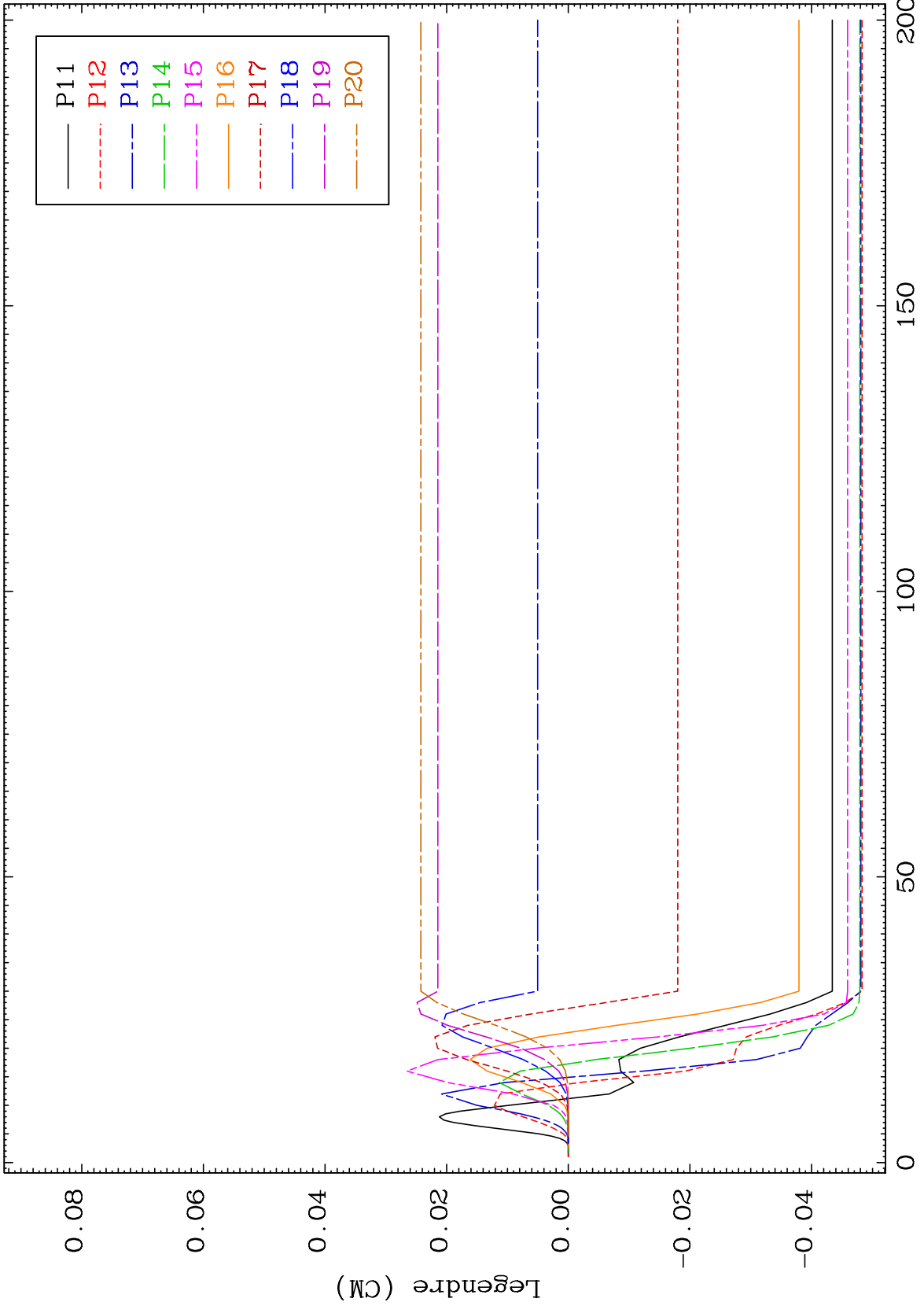
64-Gd-160



MAT 6449

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

64-Gd-160



21

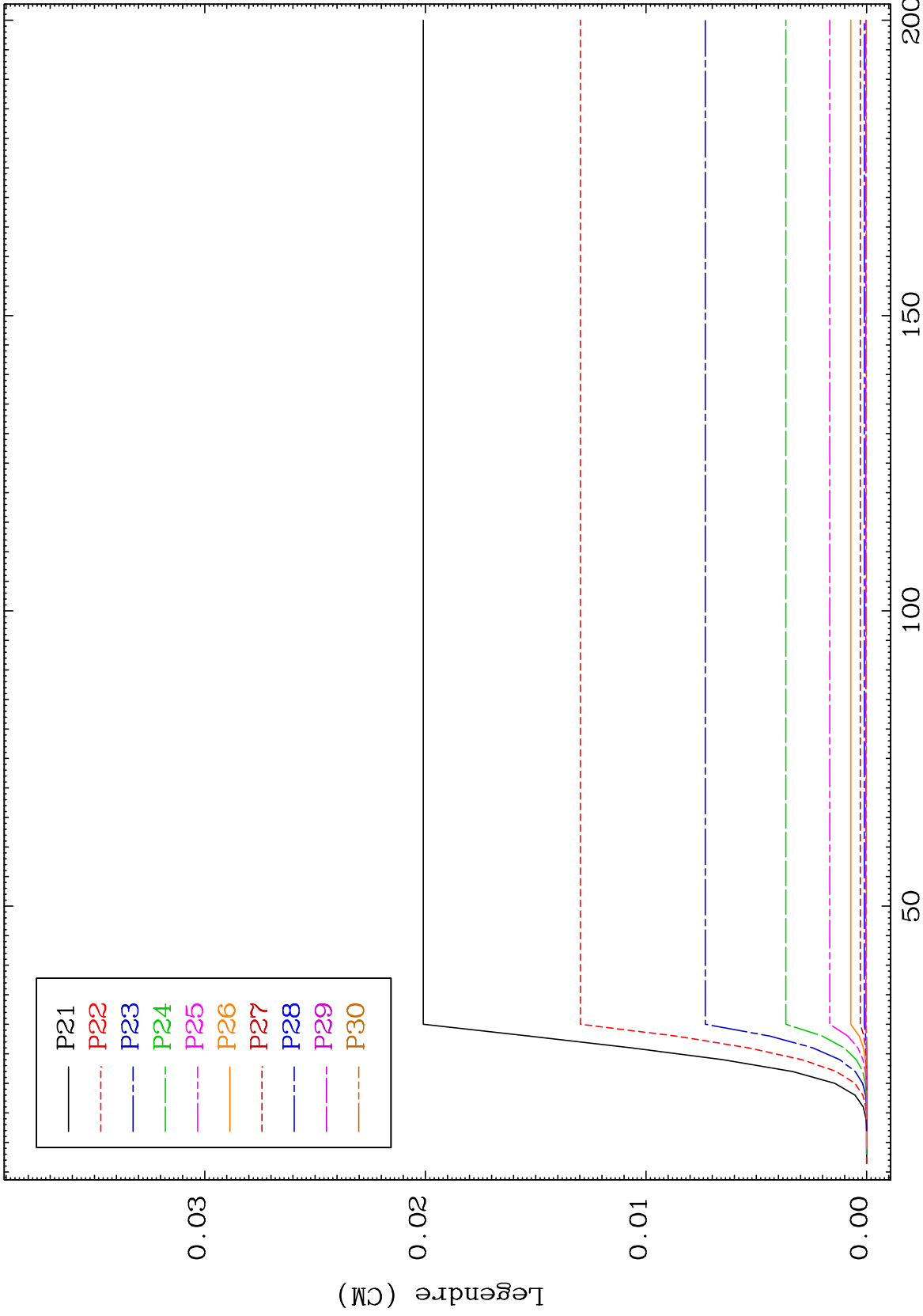
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



22

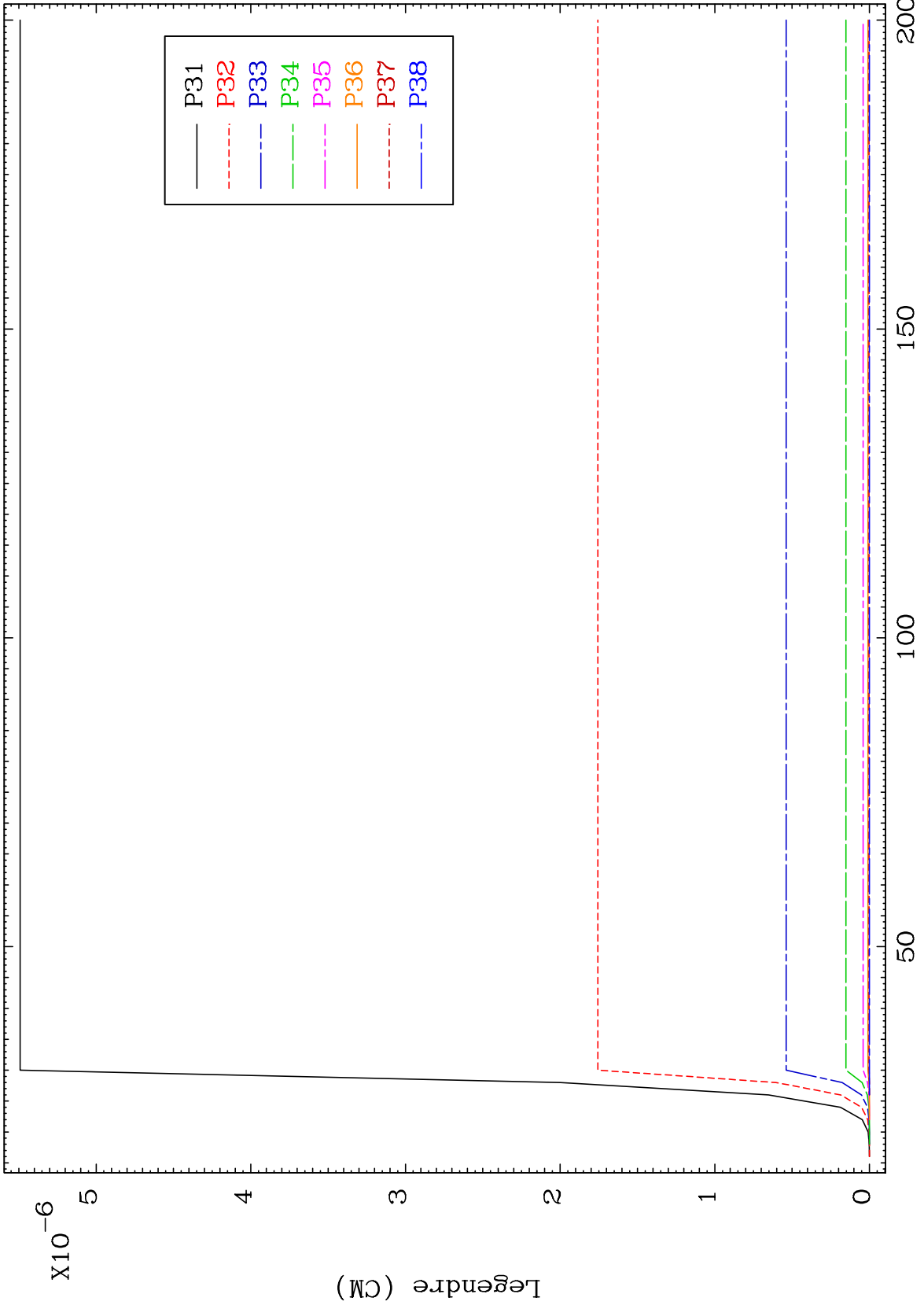
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



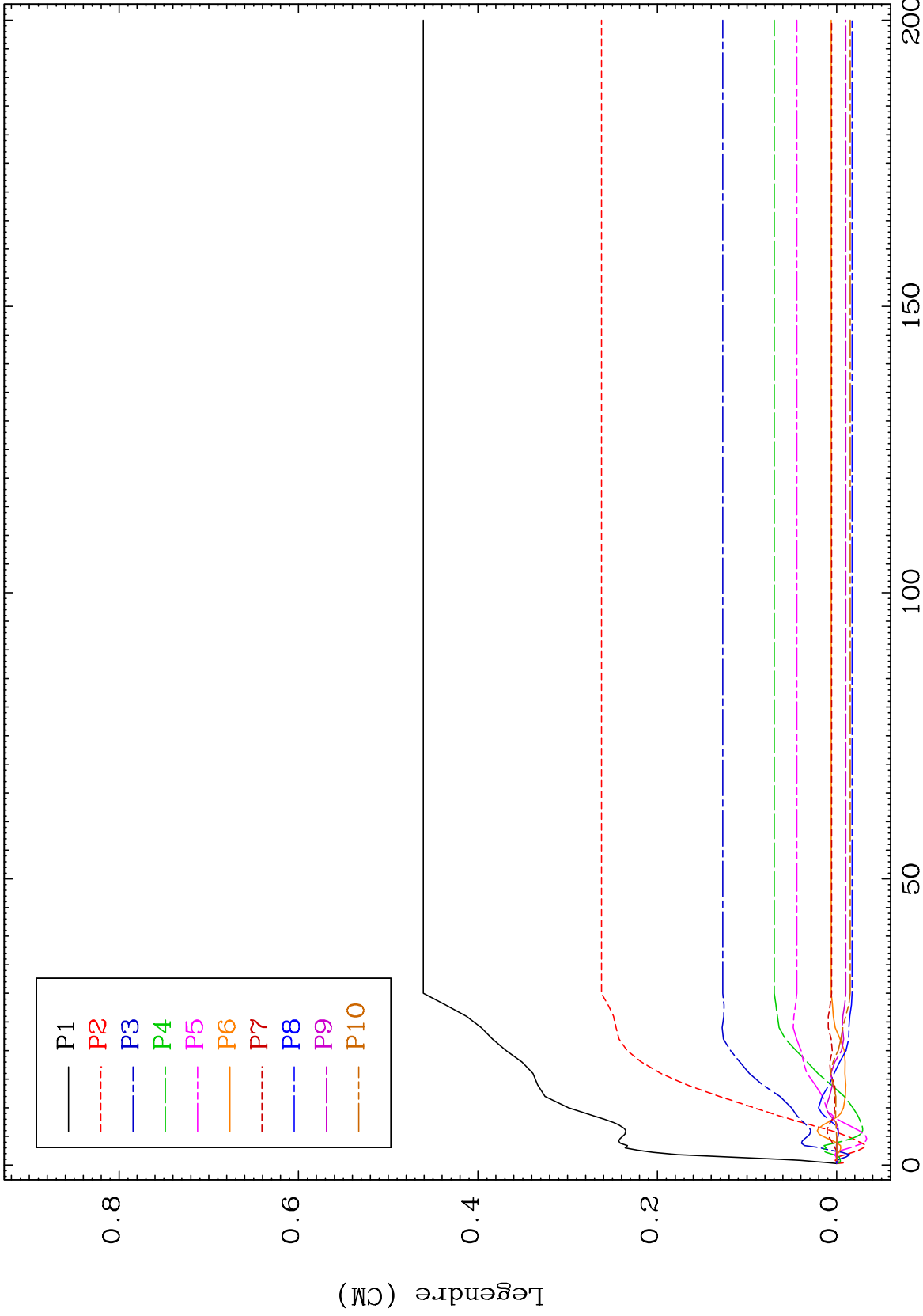
23

64-Gd-160

MAT 6449

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

64-Gd-160



24

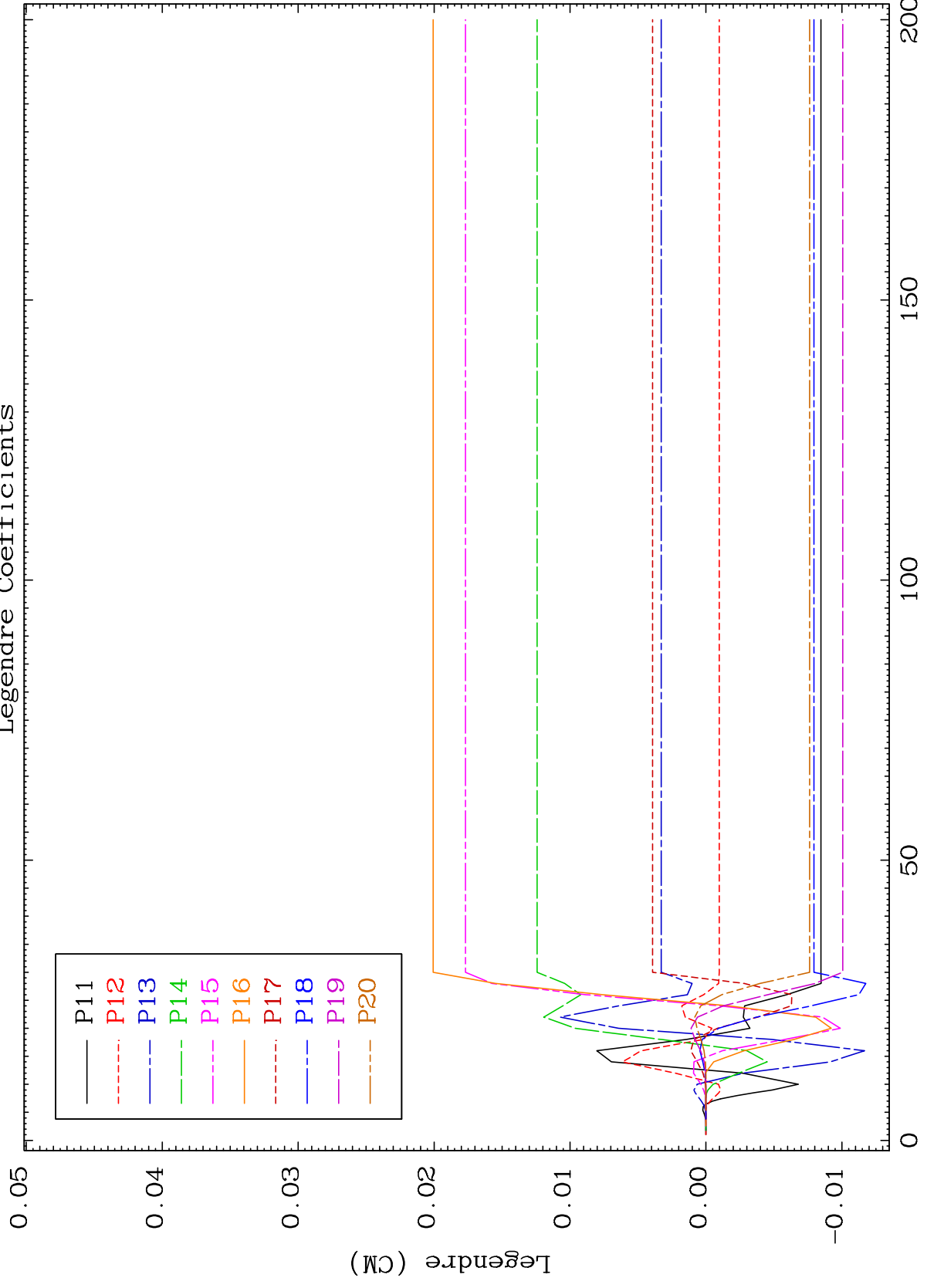
Incident Energy (MeV)

64-Gd-160

MAT 6449 MT= 52 (n,n') Level Legendre Coefficients

64-Gd-160

64-Gd-160

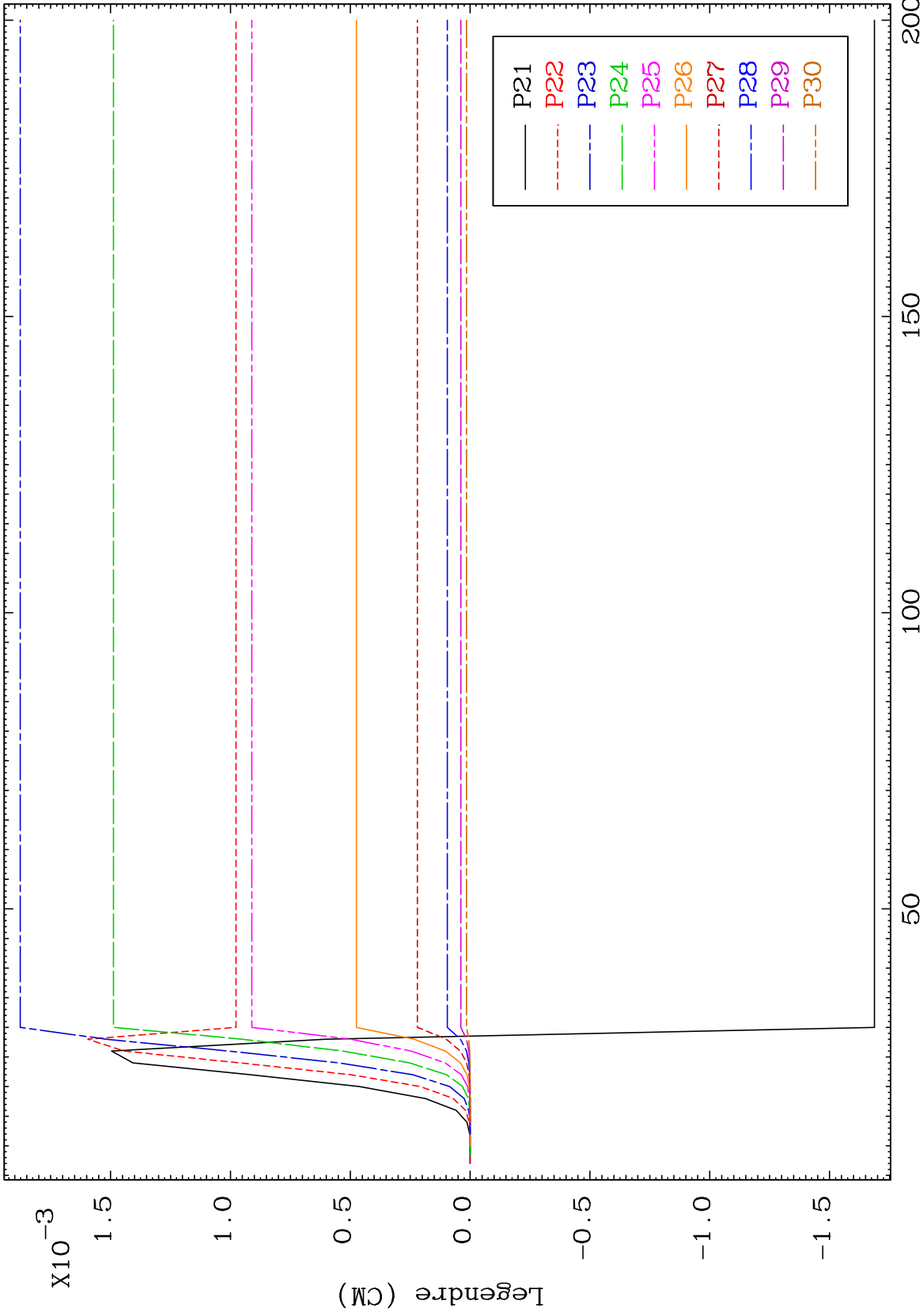


25

MAT 6449

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

64-Gd-160



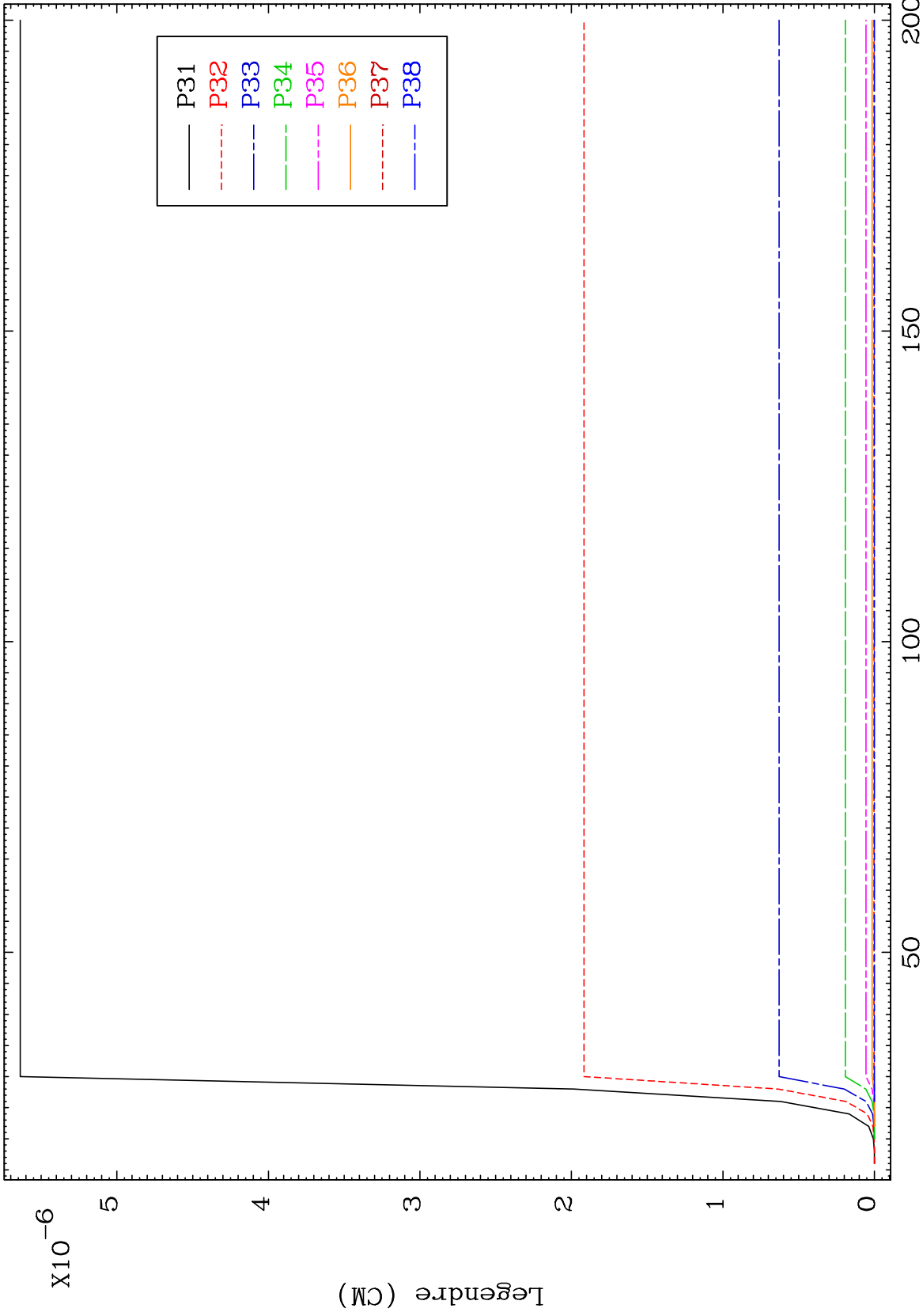
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64-Gd-160

MAT 6449

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

64-Gd-160



27

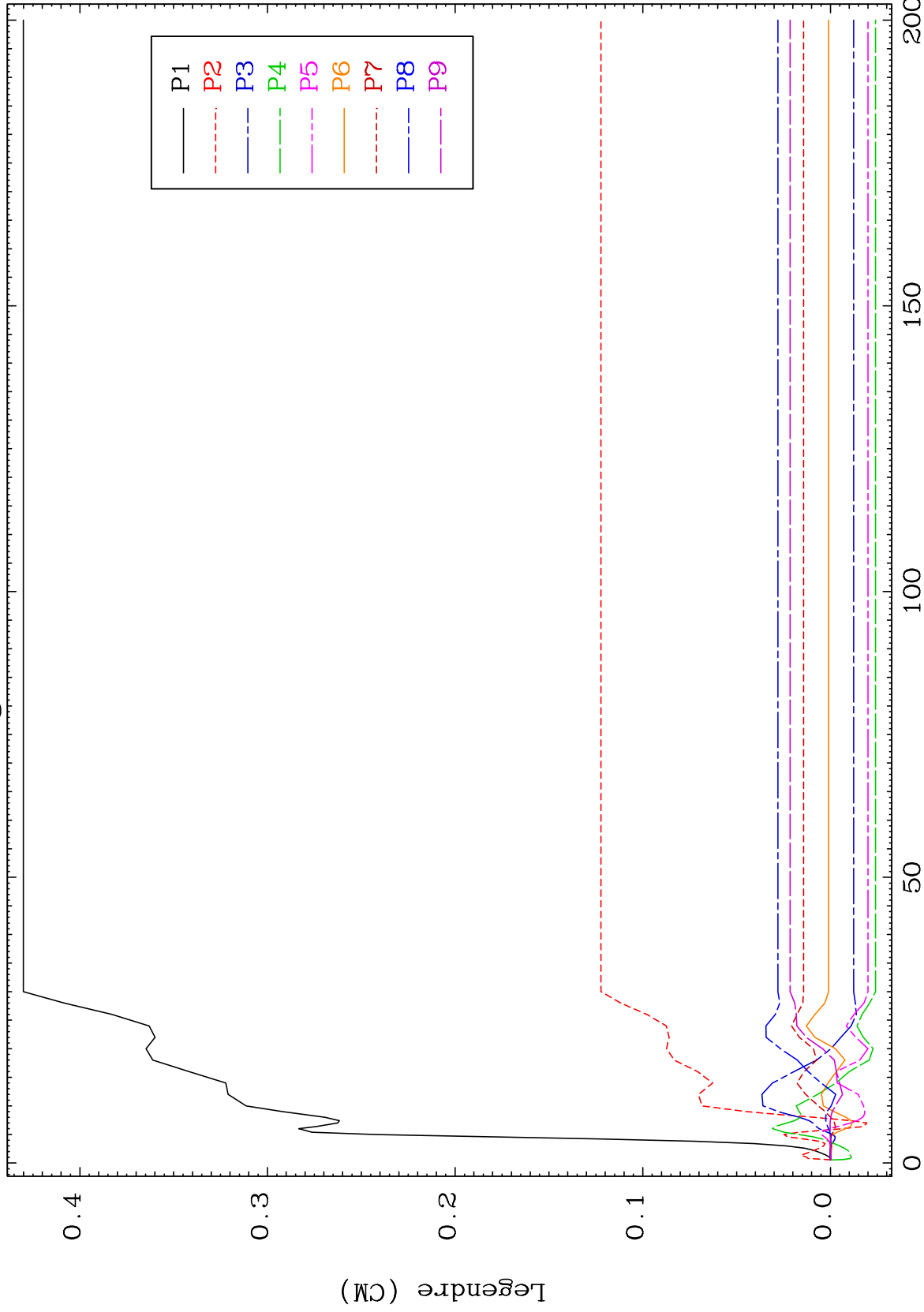
64-Gd-160

64-Gd-160

MAT 6449

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

64-Gd-160



28

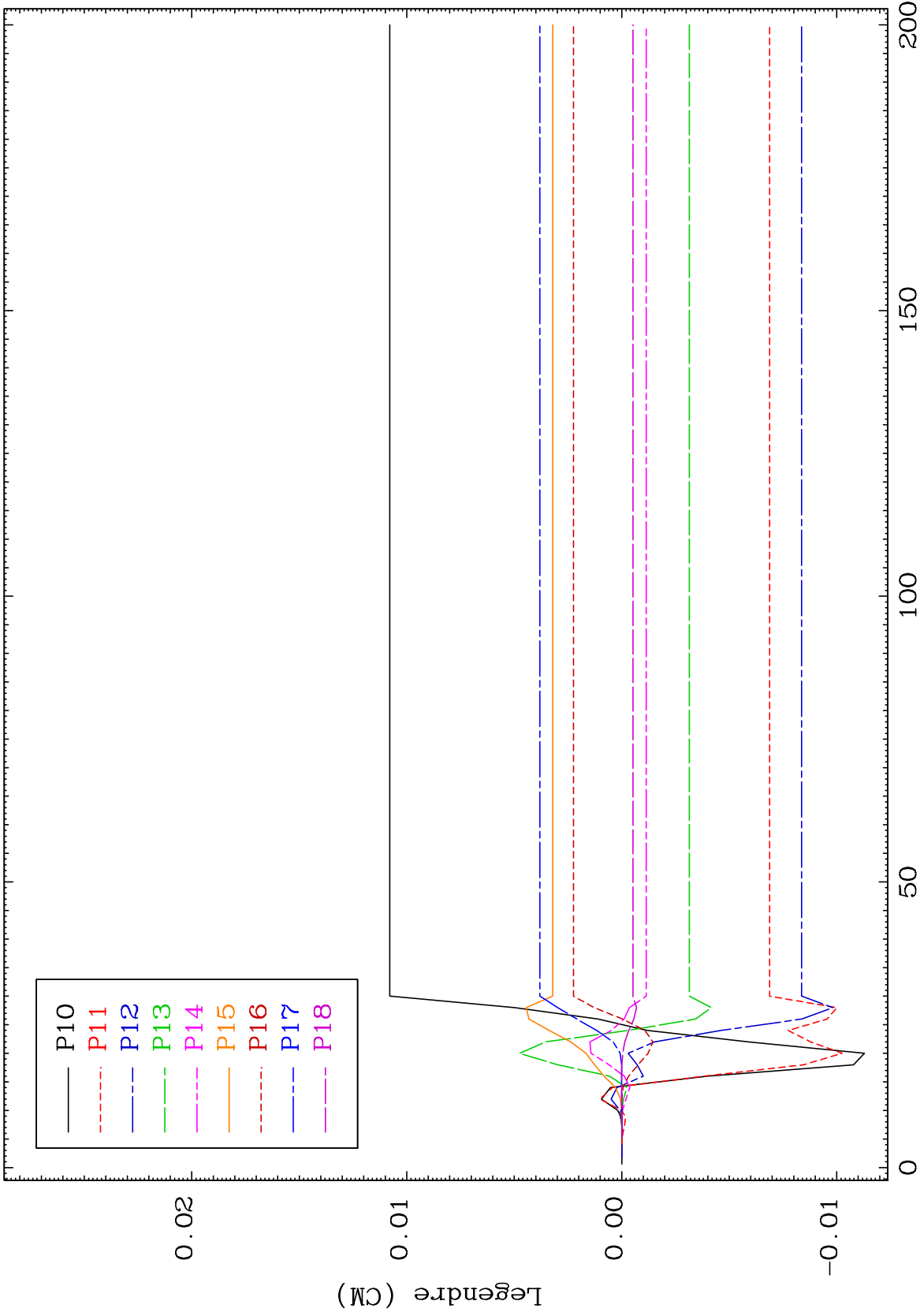
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160

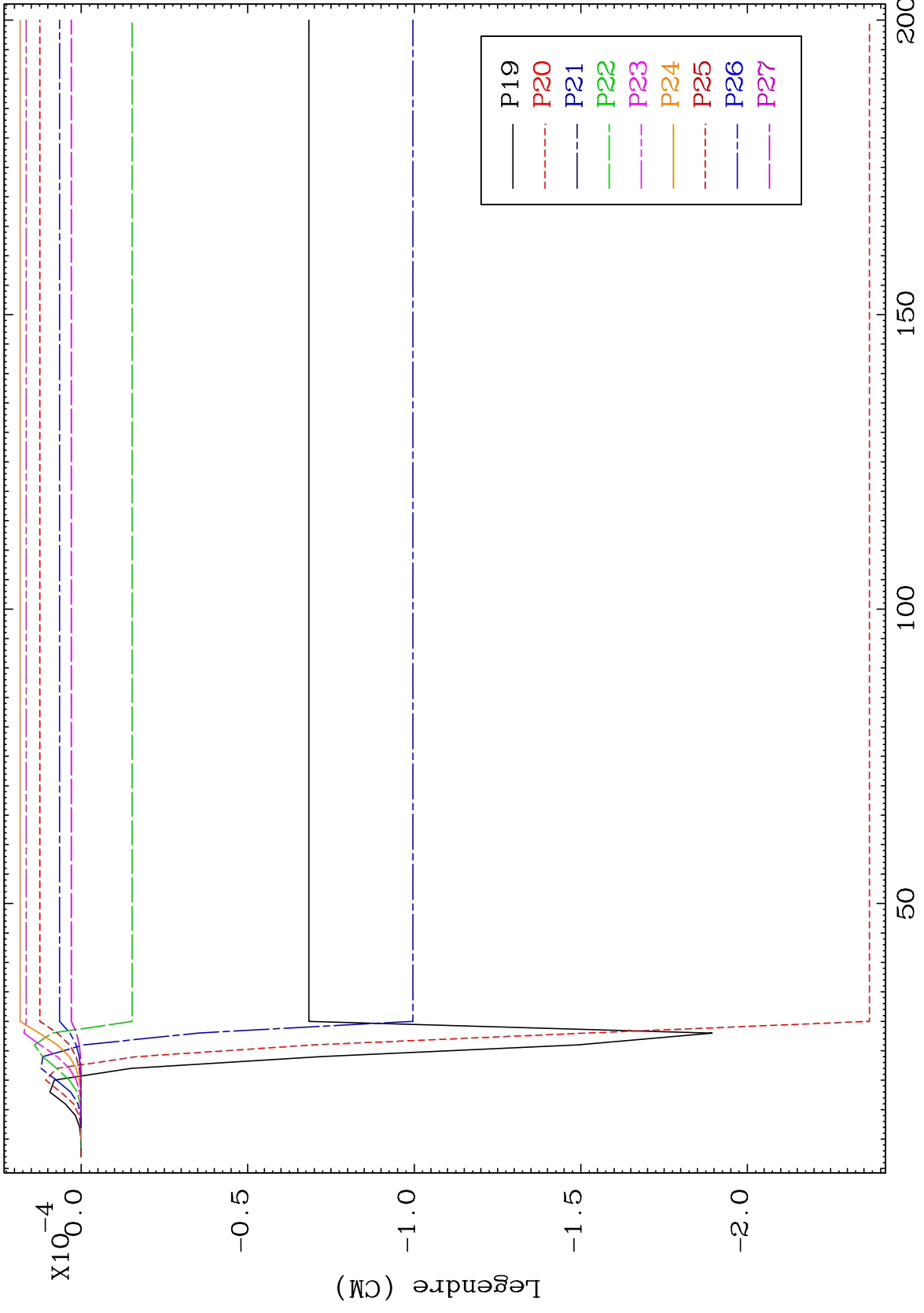


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Incident Energy (MeV)

64-Gd-160

MAT 6449 MT= 53 (n,n') Level Legendre Coefficients 64-Gd-160

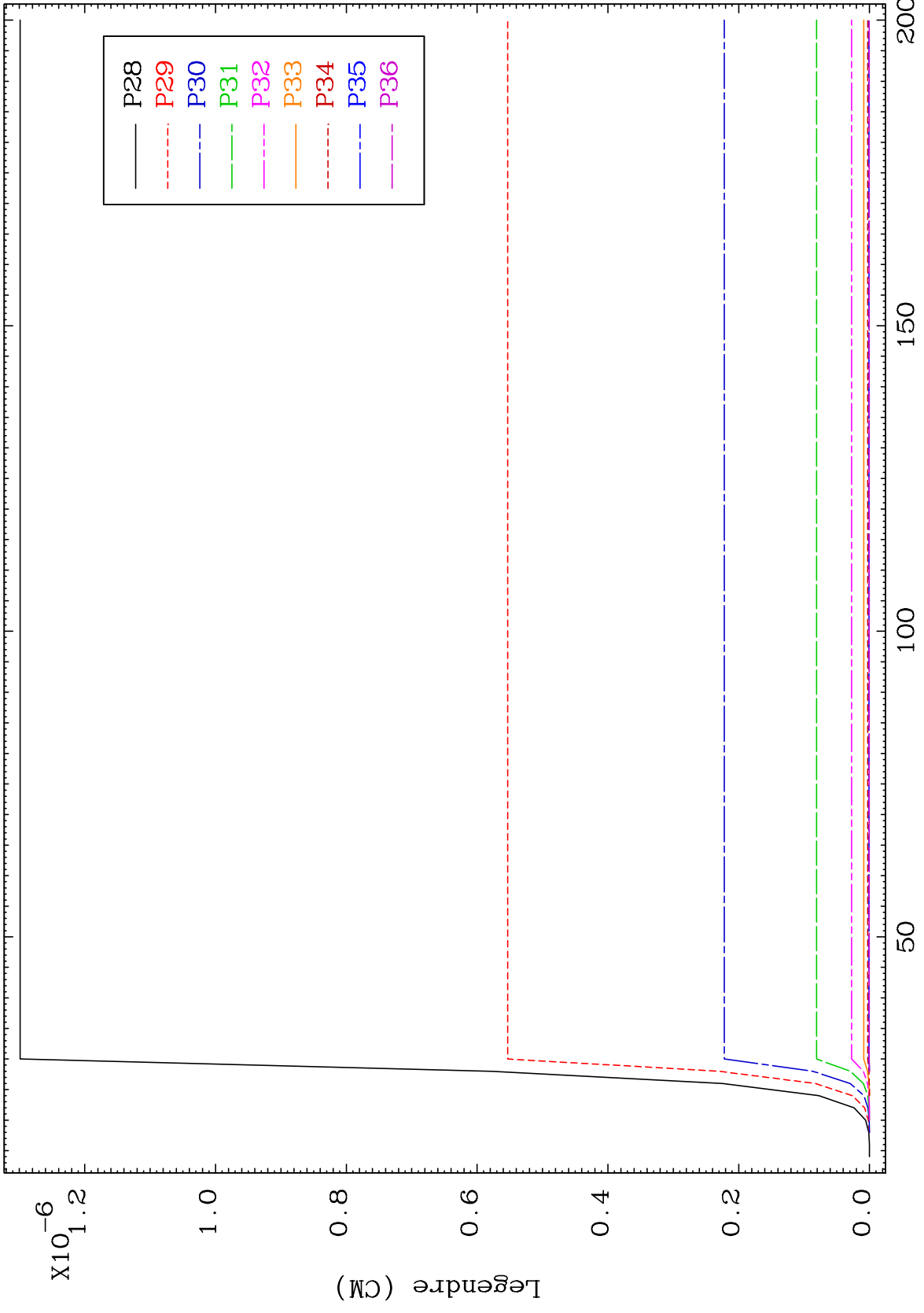


30 Incident Energy (MeV) 64-Gd-160

MAT 6449

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

64-Gd-160



31

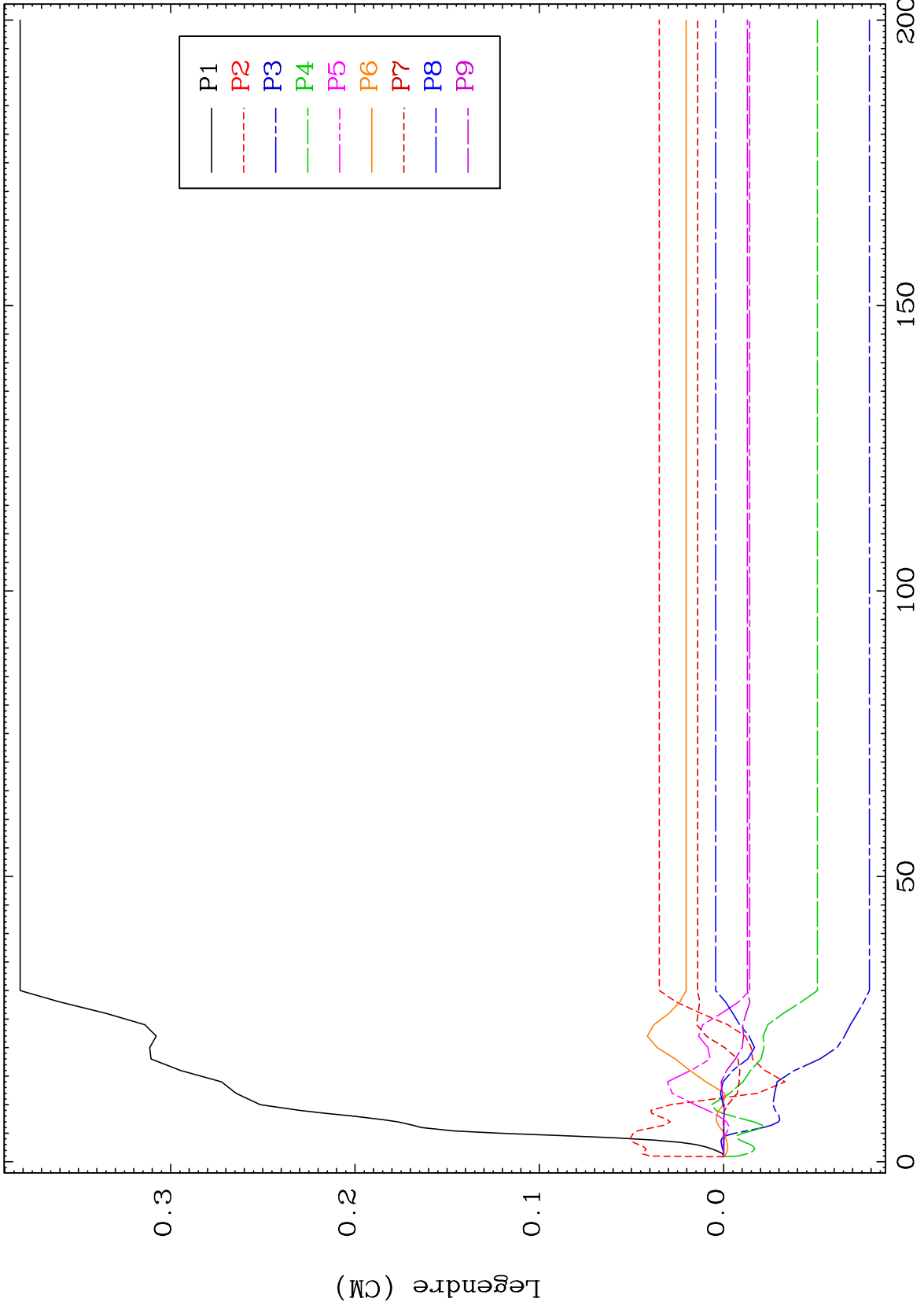
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160

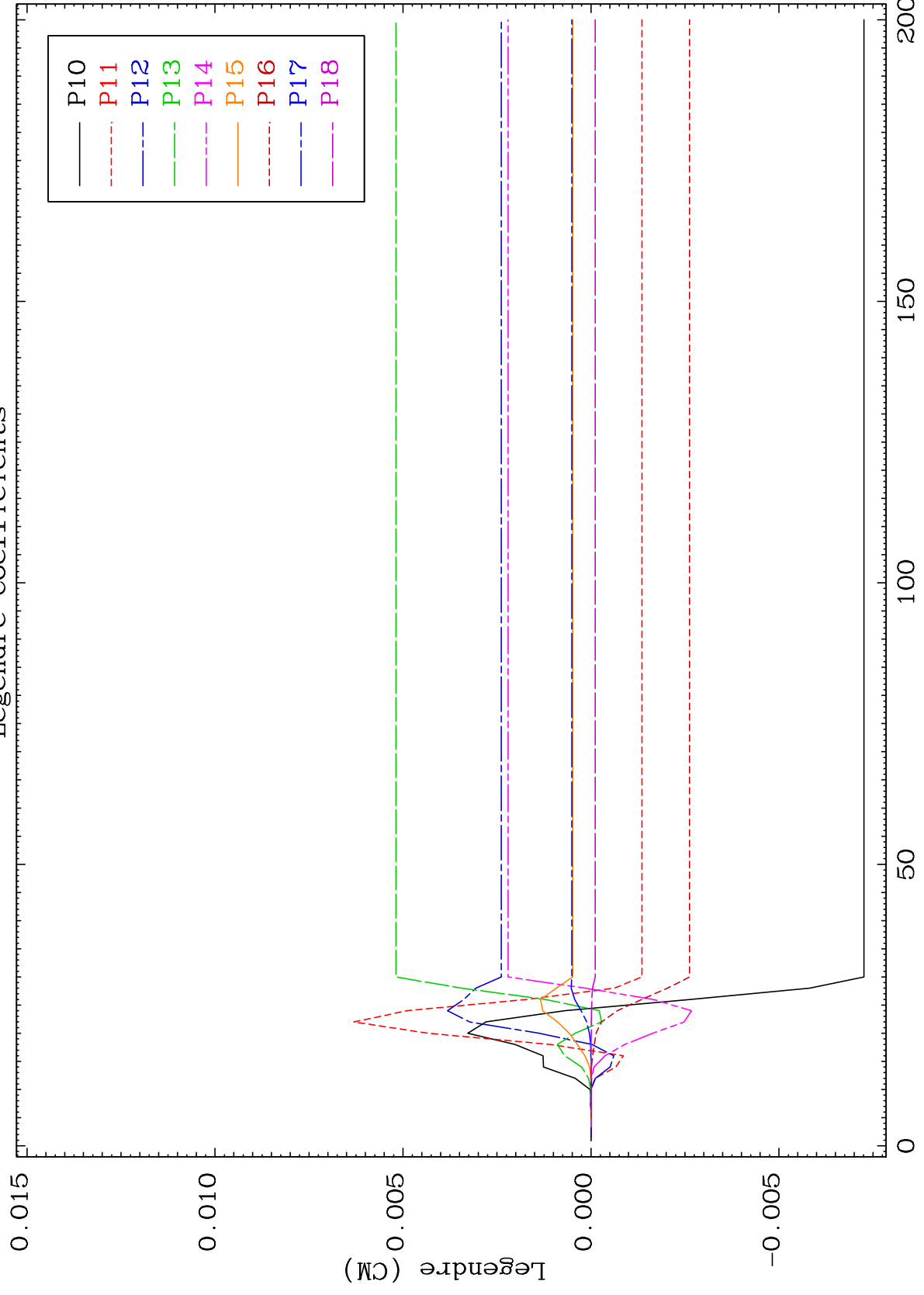


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Incident Energy (MeV)

64-Gd-160

MAT 6449 MT= 54 (n,n') Level Legendre Coefficients 64-Gd-160

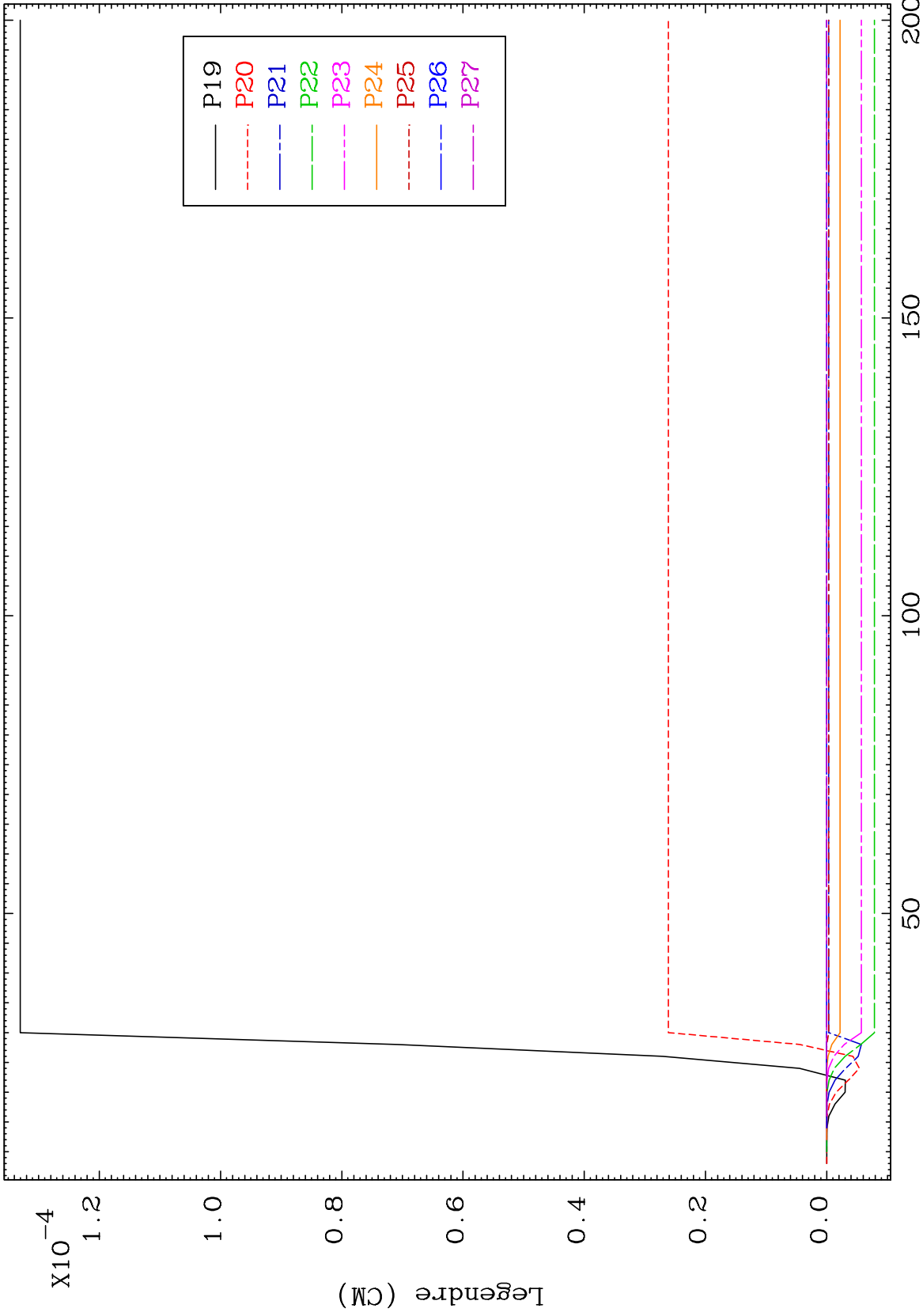


33 64-Gd-160

MAT 6449

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

64-Gd-160



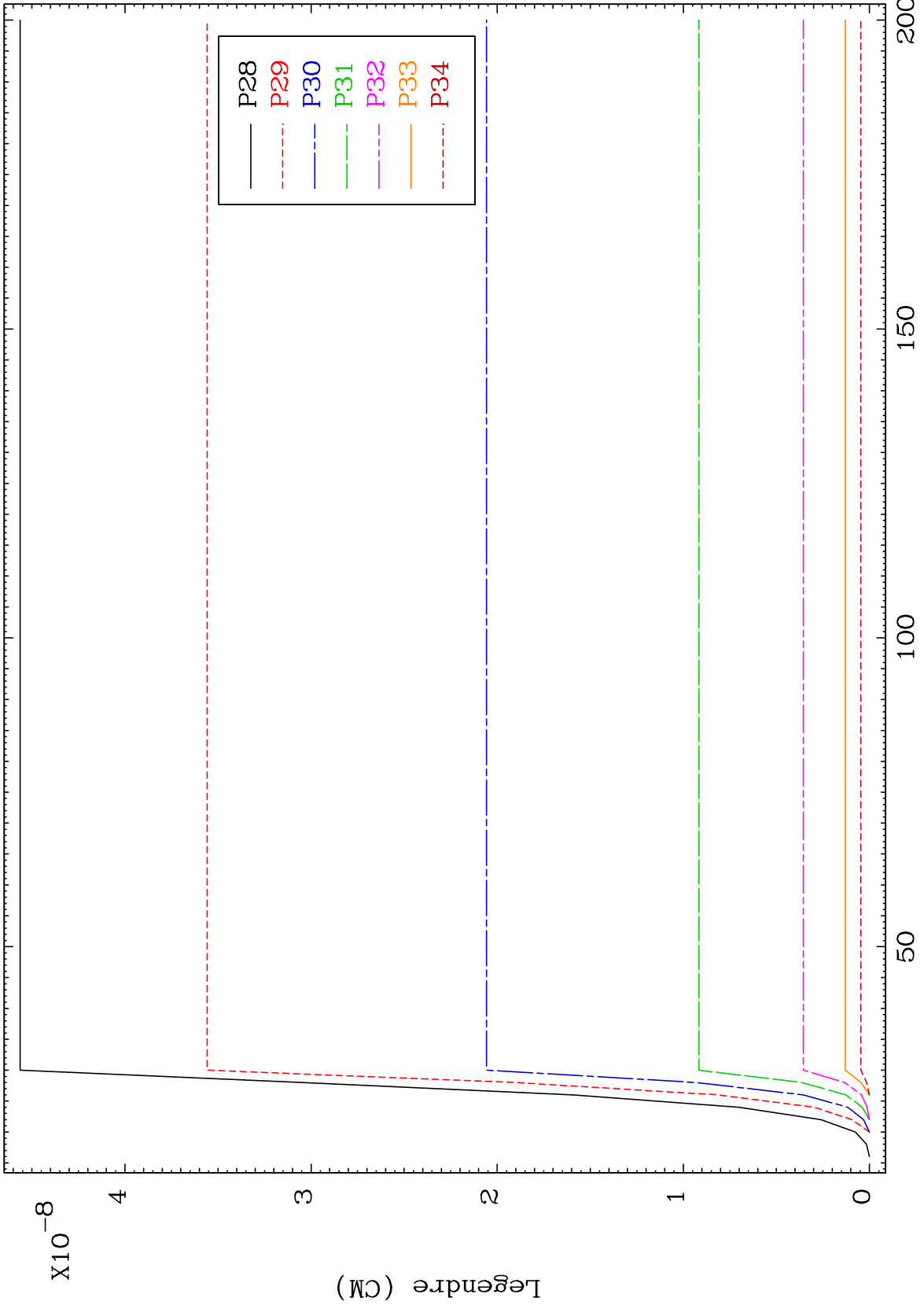
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64-Gd-160

MAT 6449

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

64-Gd-160

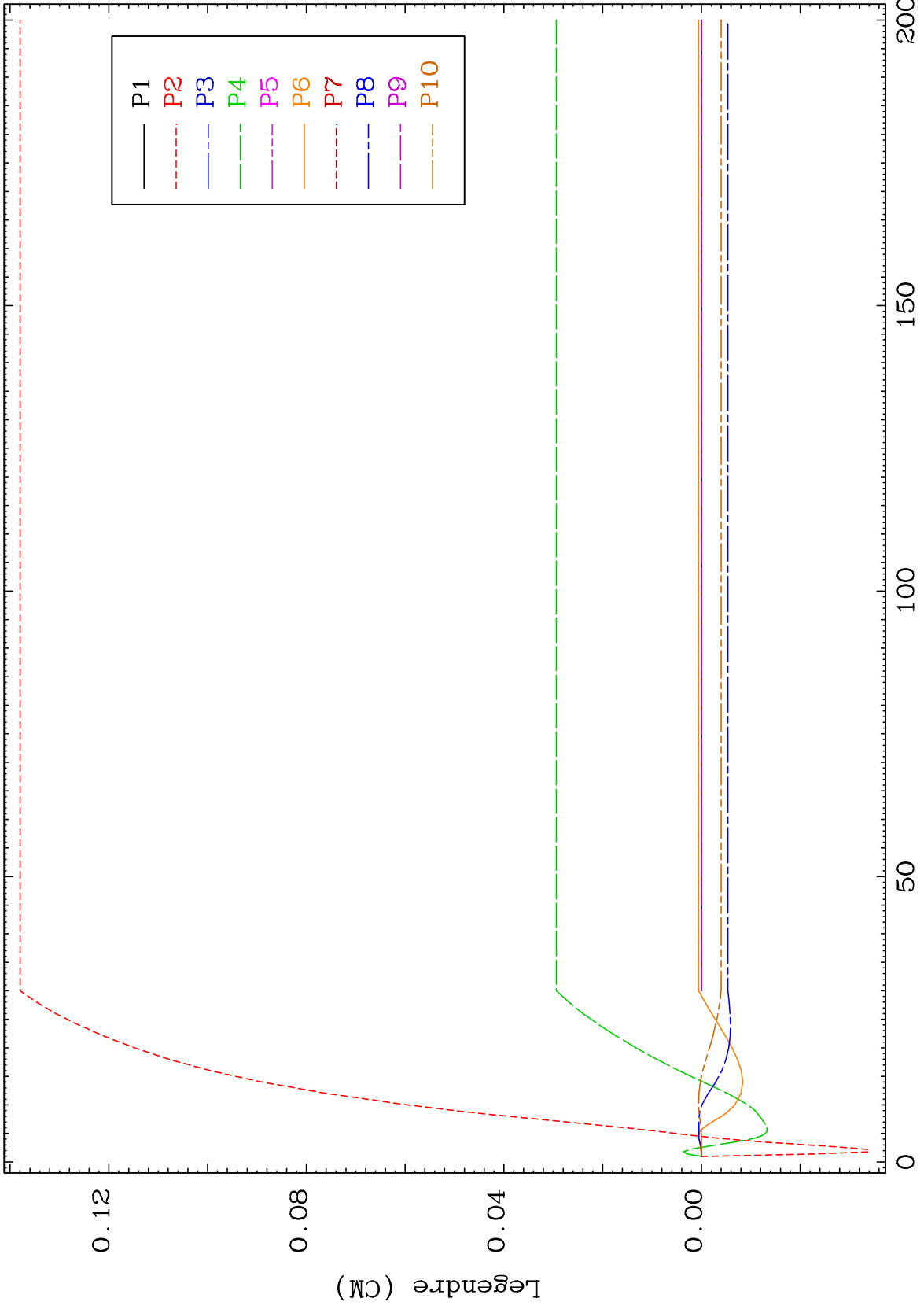


35

Incident Energy (MeV)

64-Gd-160

MAT 6449 MT= 55 (n,n') Level Legendre Coefficients 64-Gd-160

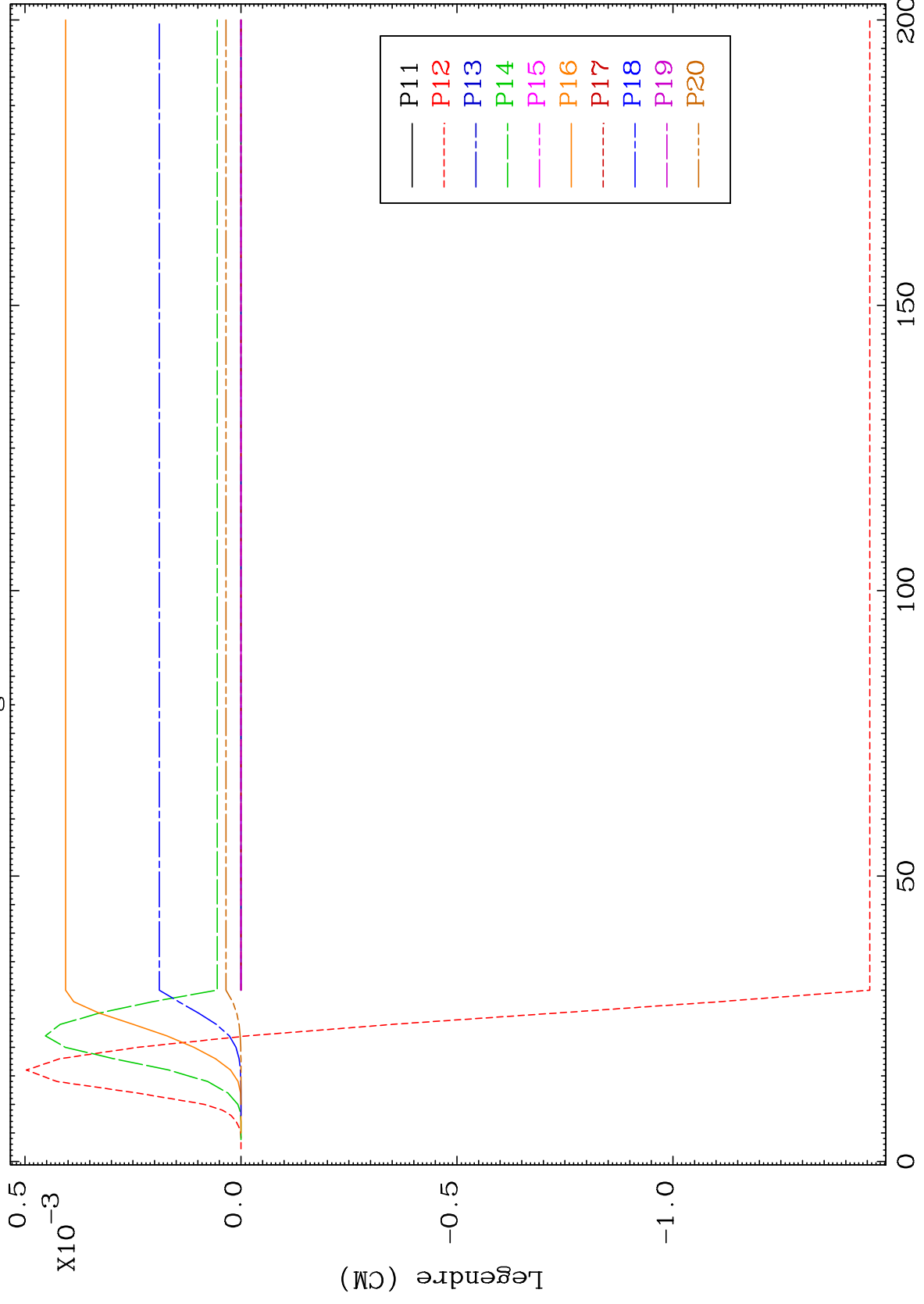


36 64-Gd-160

MAT 6449

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

64-Gd-160

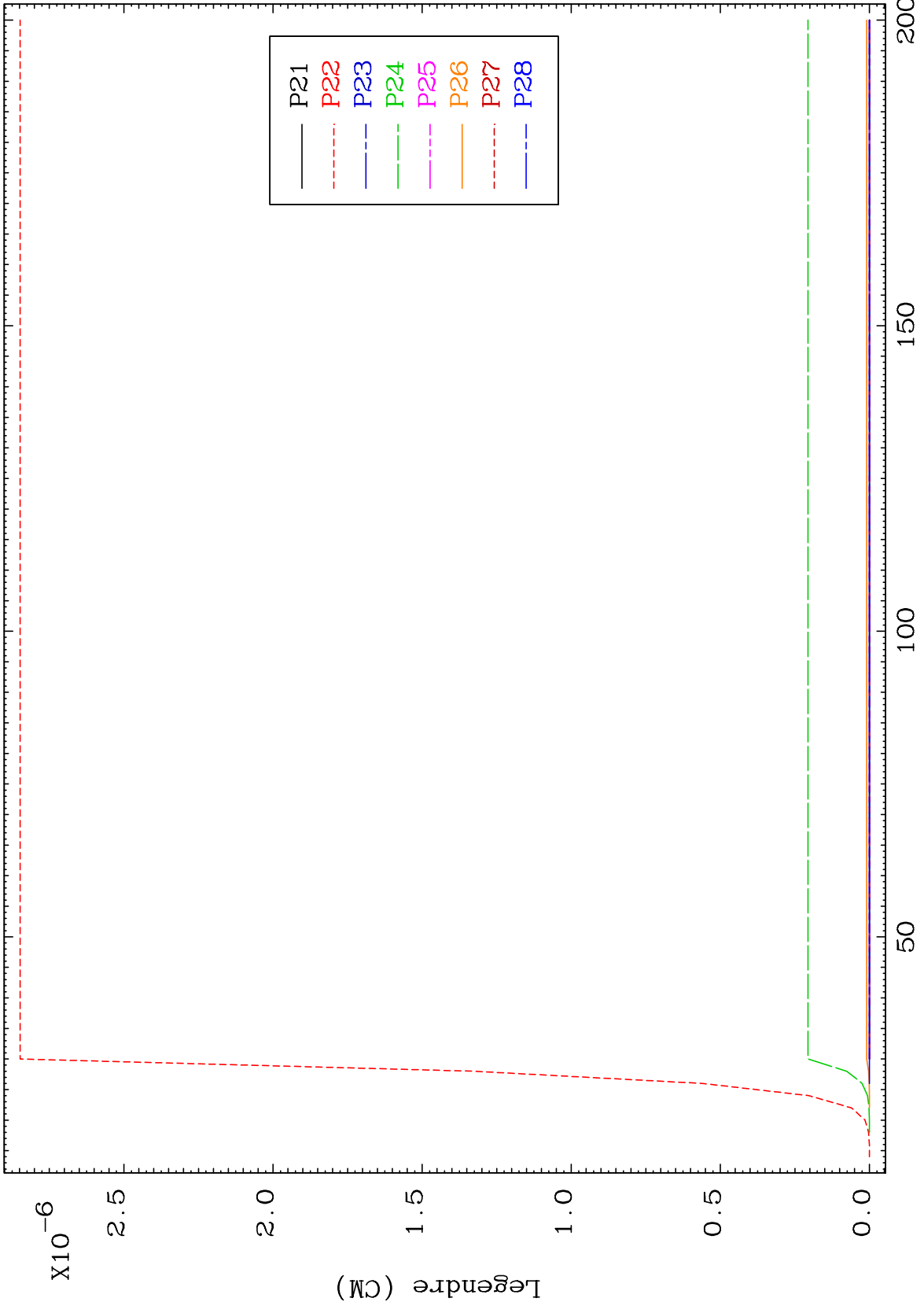


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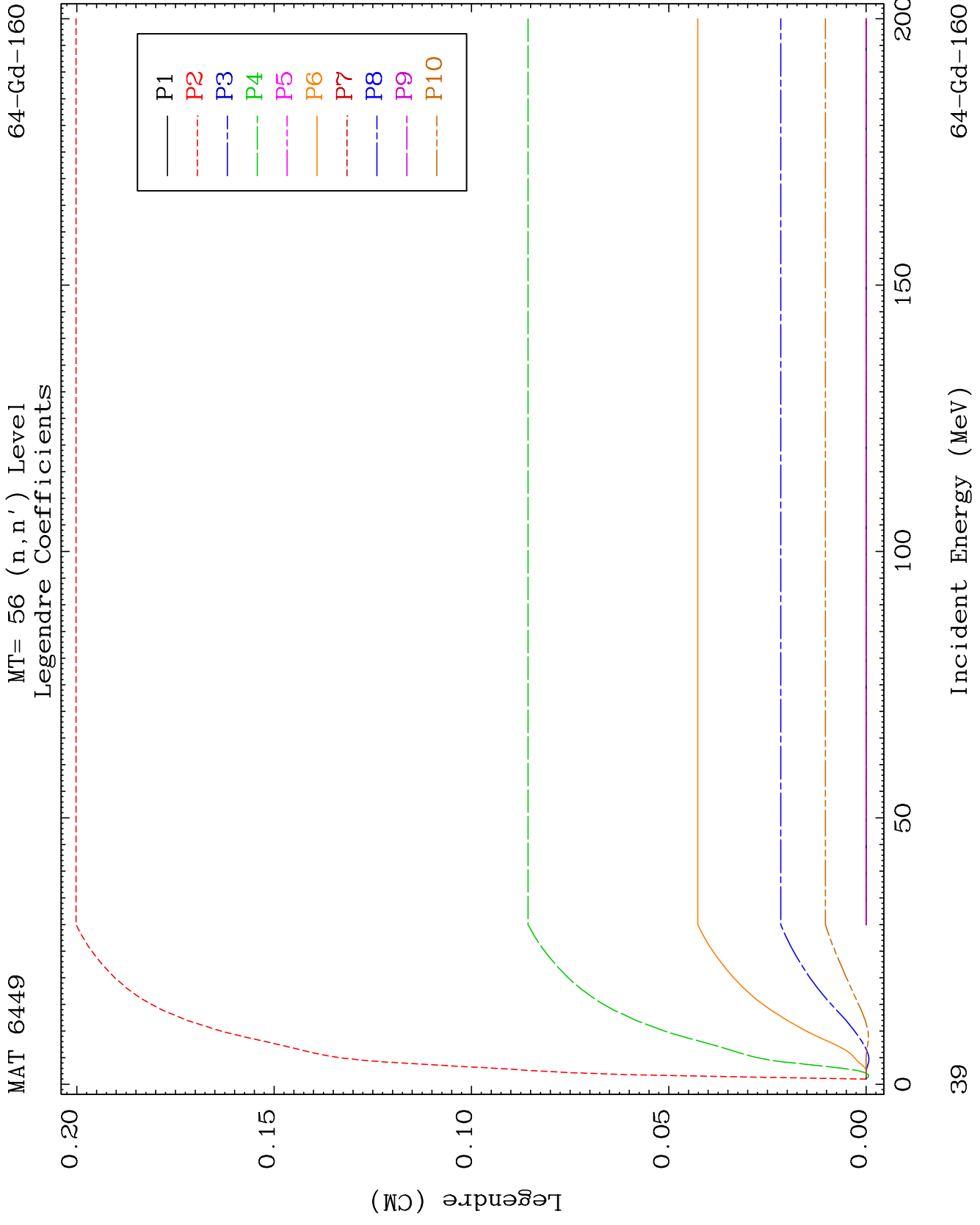
Incident Energy (MeV)

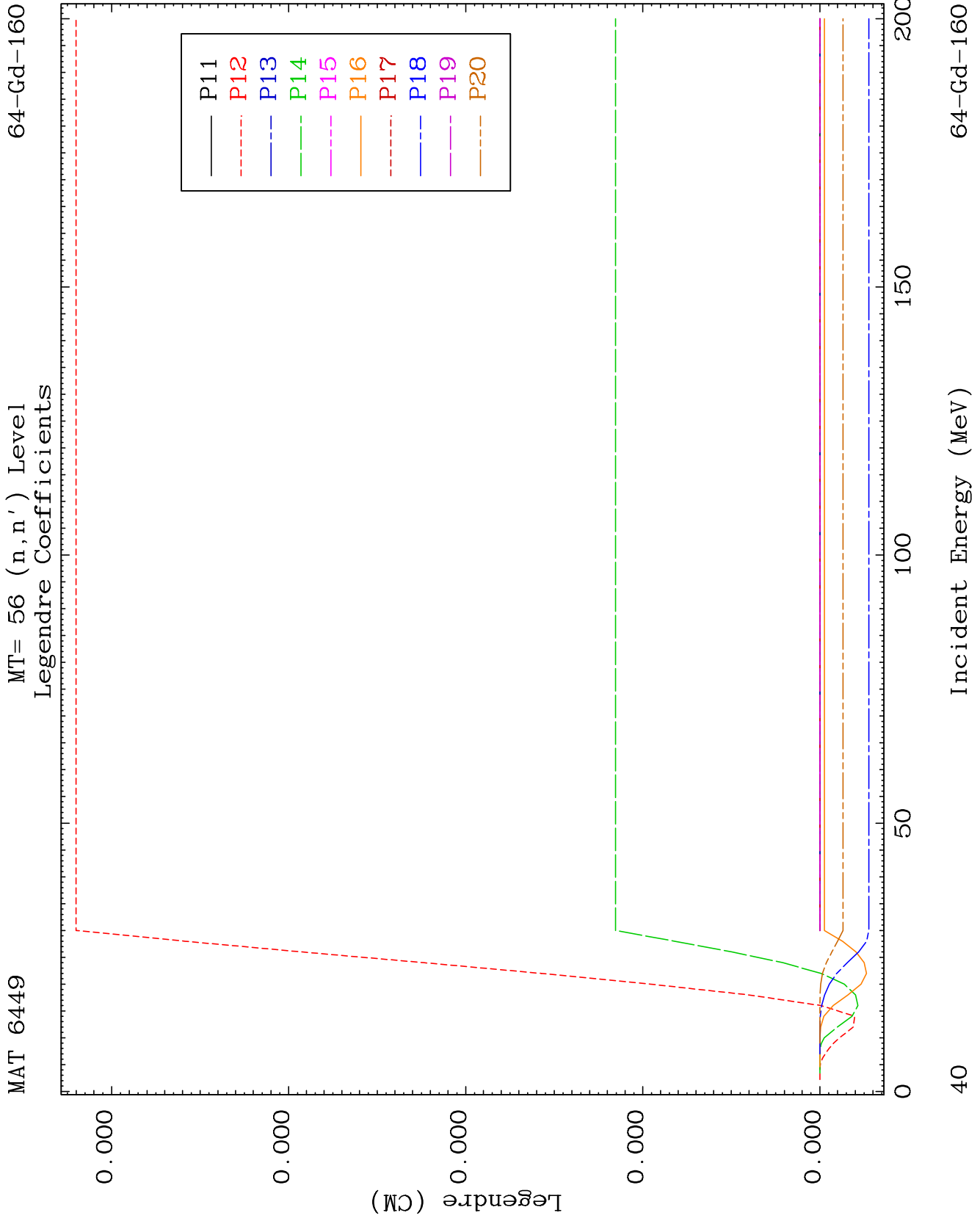
64-Gd-160

MAT 6449 MT= 55 (n,n') Level Legendre Coefficients 64-Gd-160



38 Incident Energy (MeV) 64-Gd-160

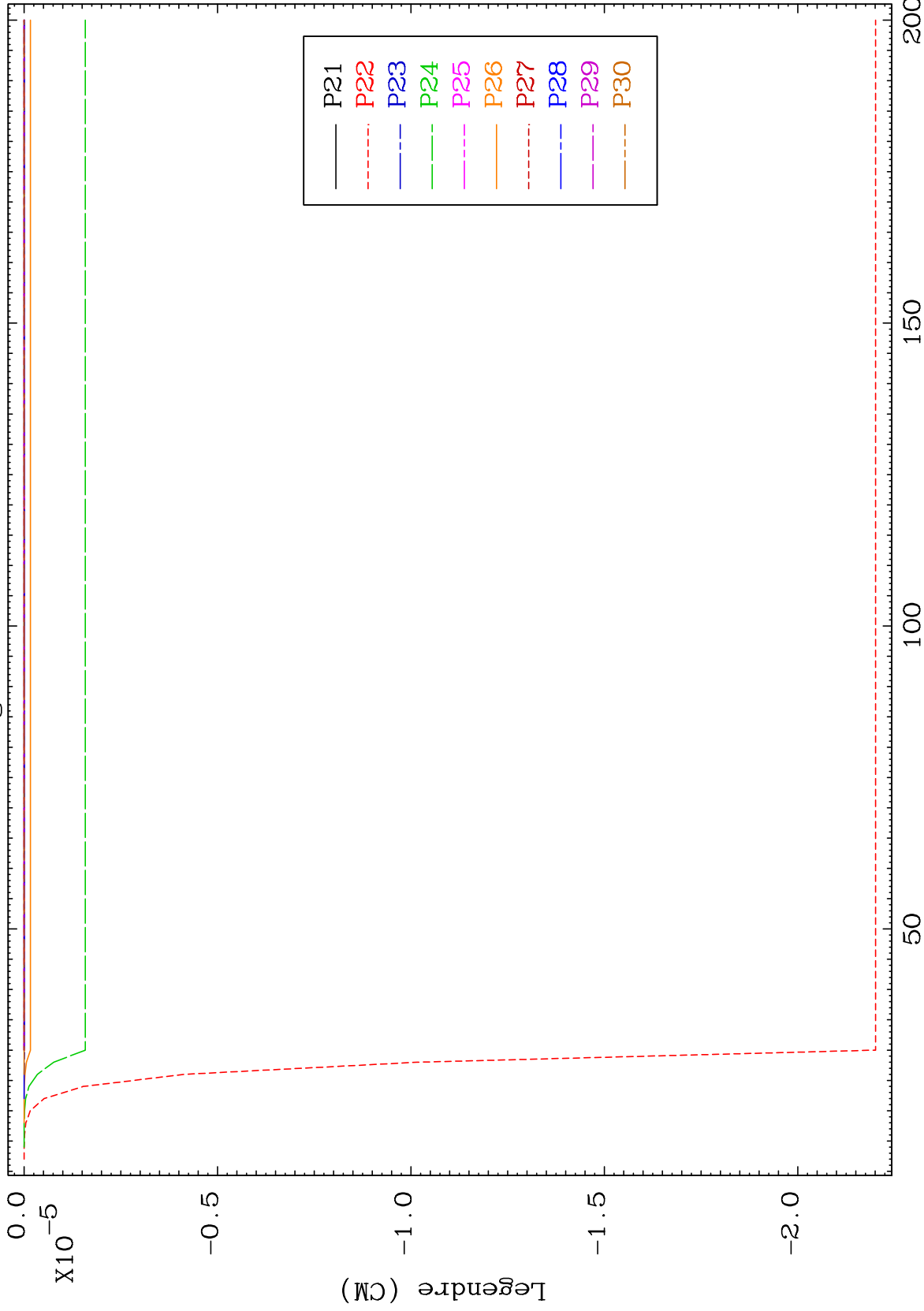




MAT 6449

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

64-Gd-160



64-Gd-160

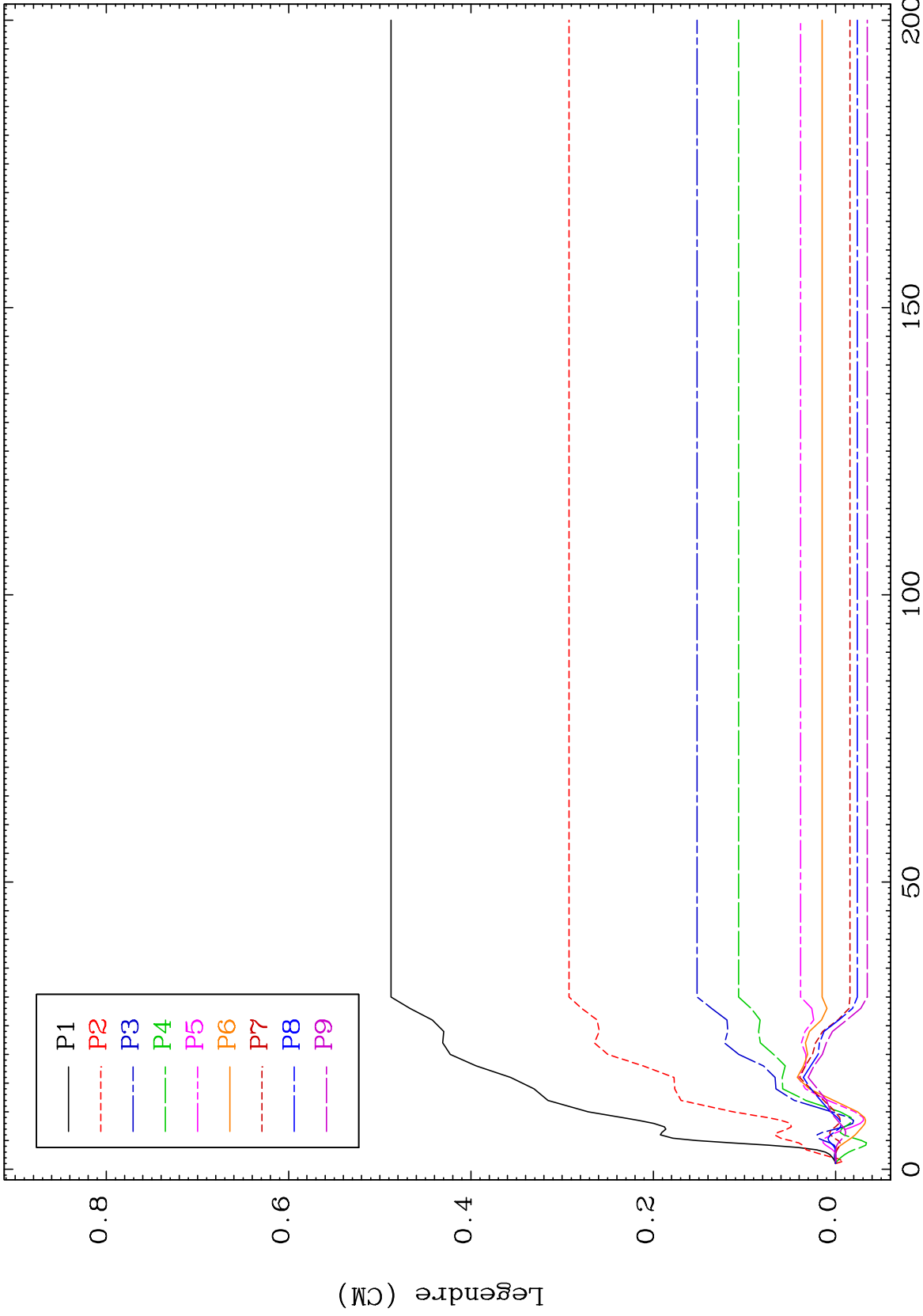
Incident Energy (MeV)

41

MAT 6449

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

64-Gd-160



42

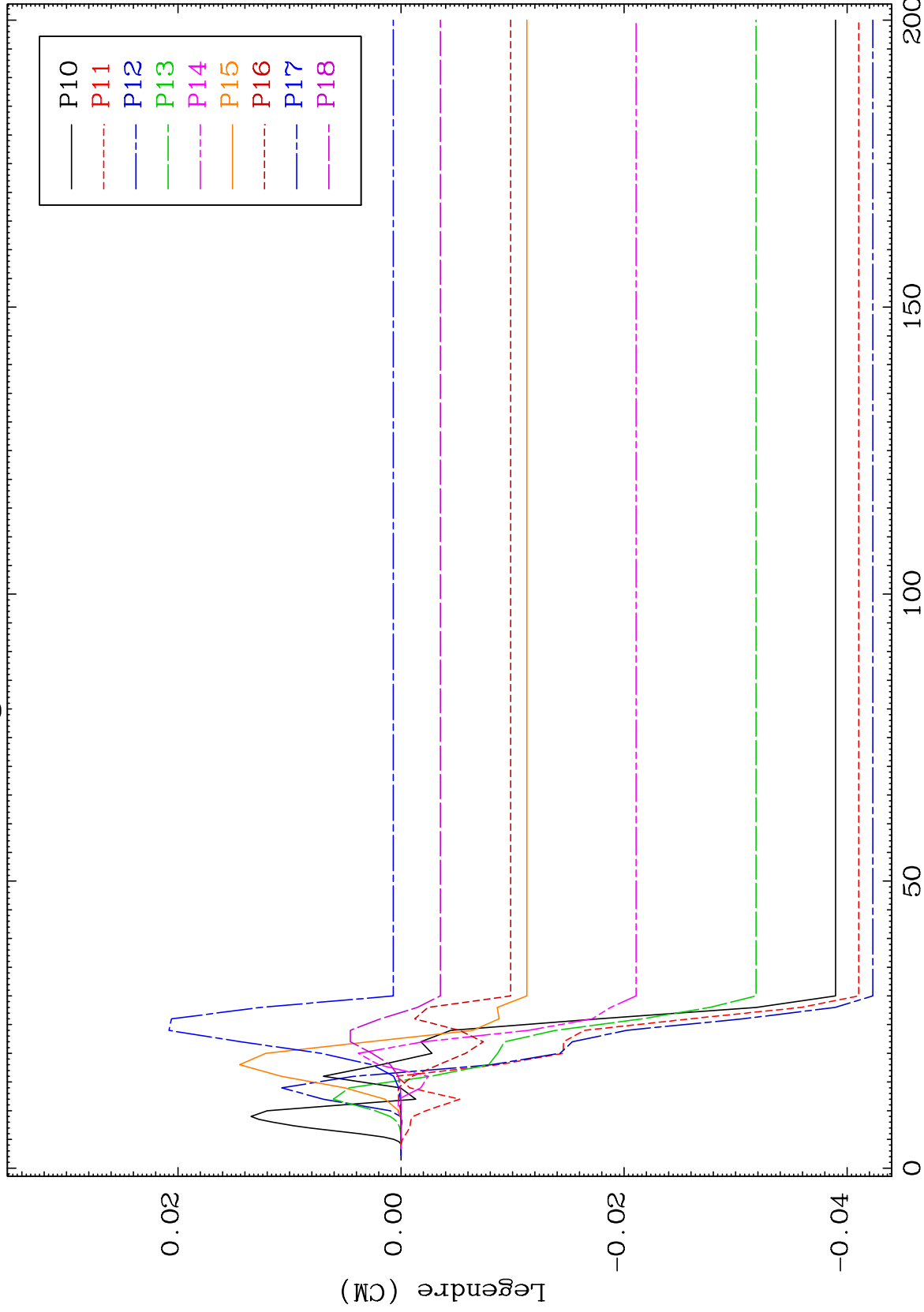
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



43

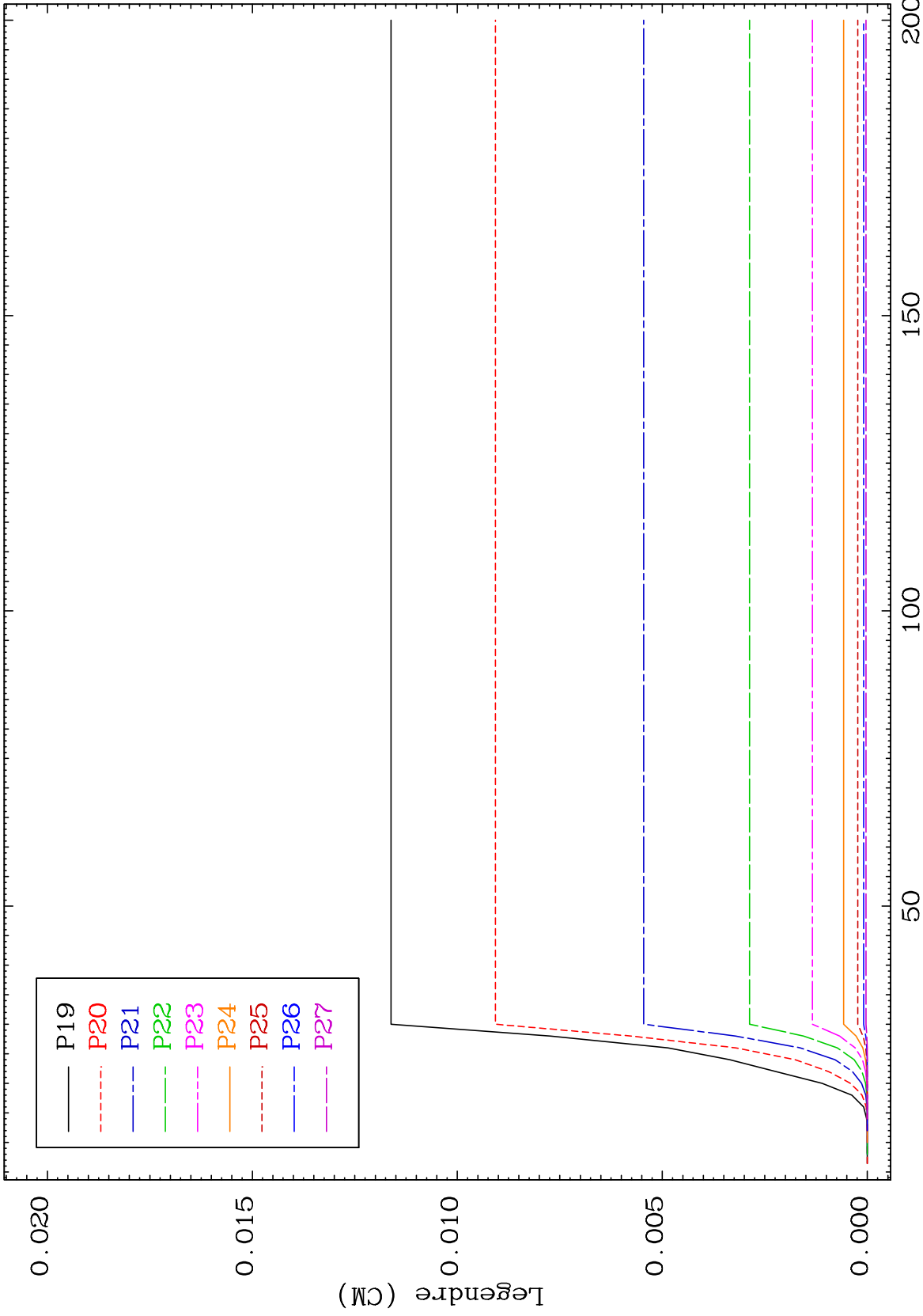
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

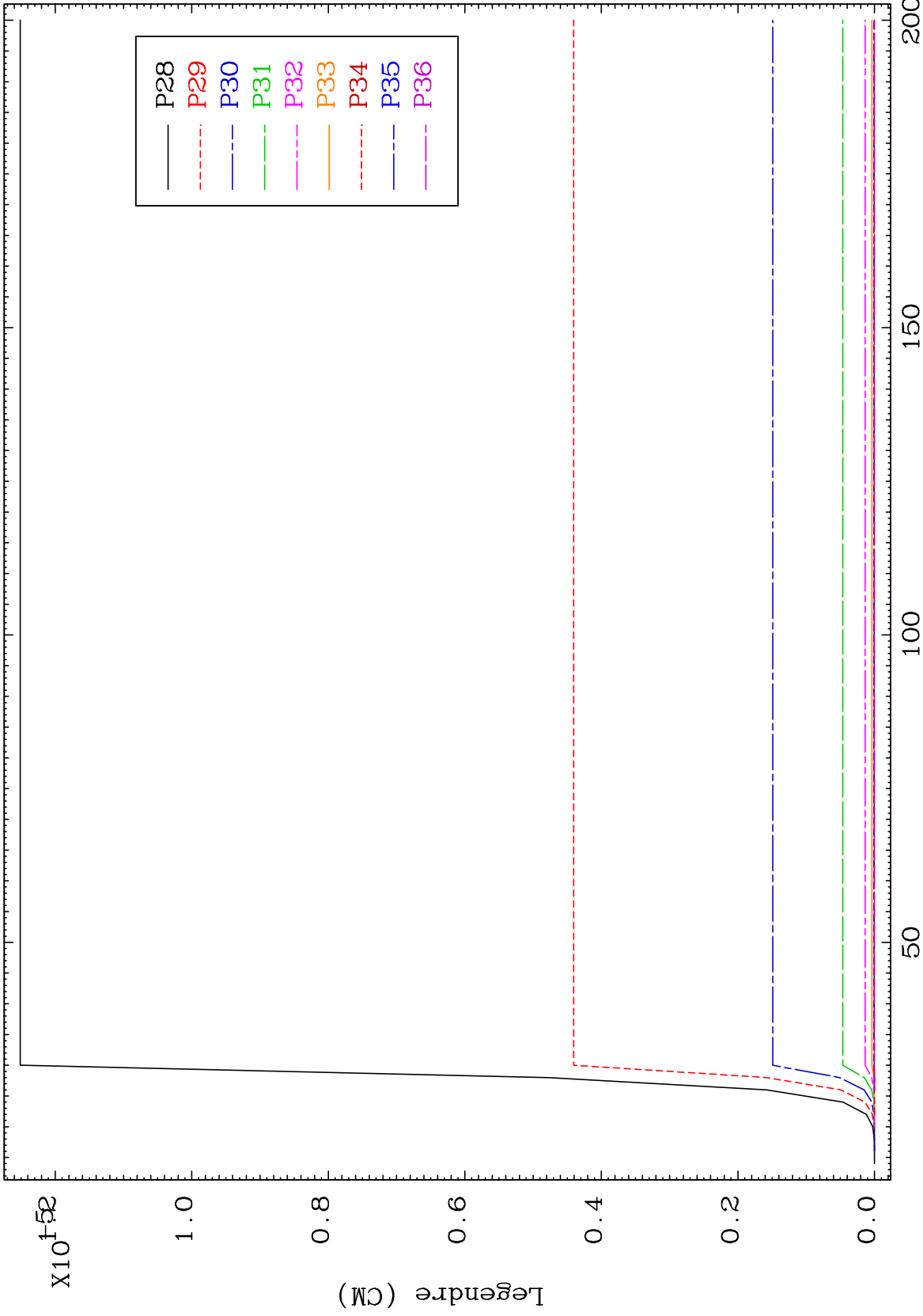
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MAT 6449

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

64-Gd-160



45

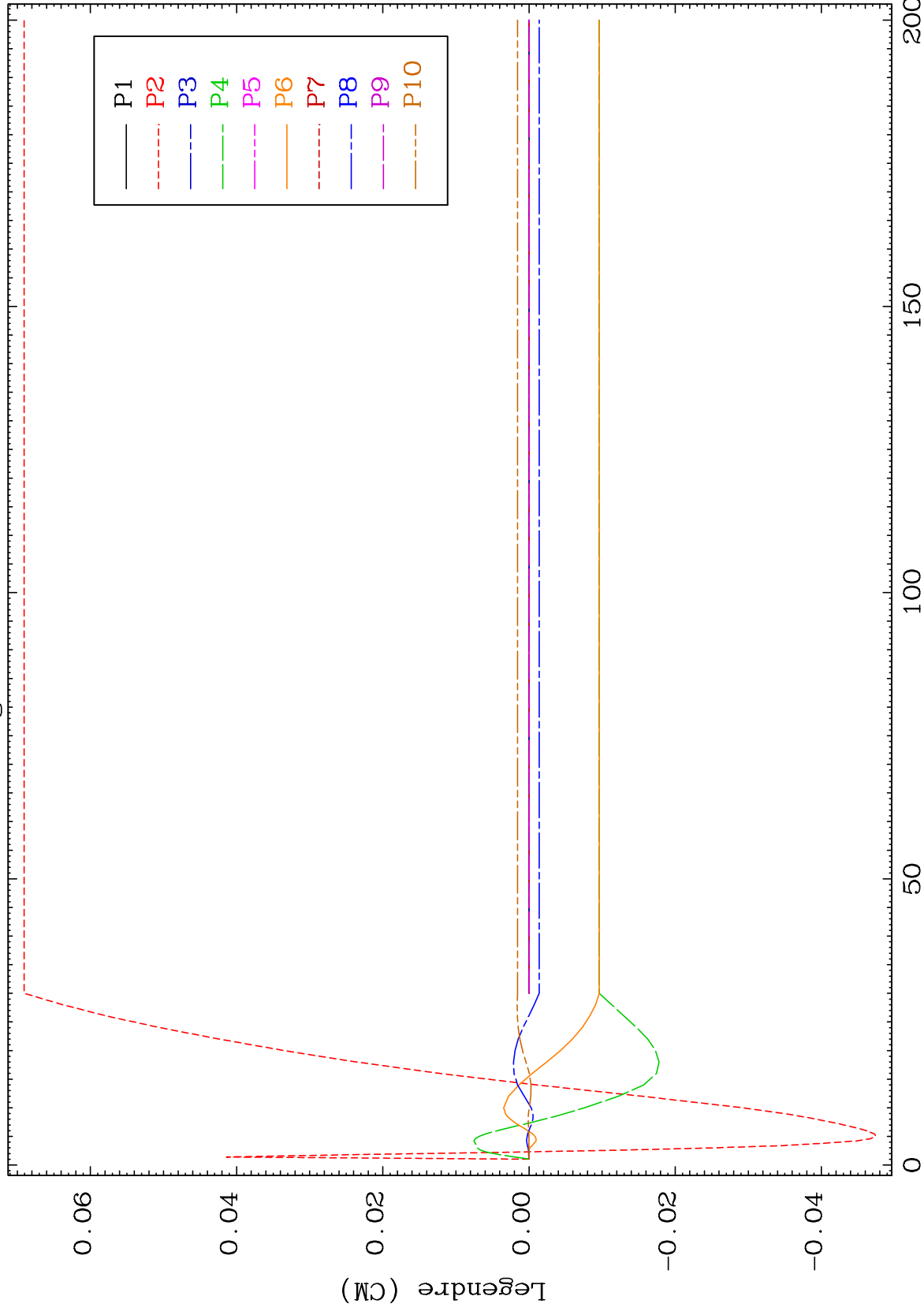
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160

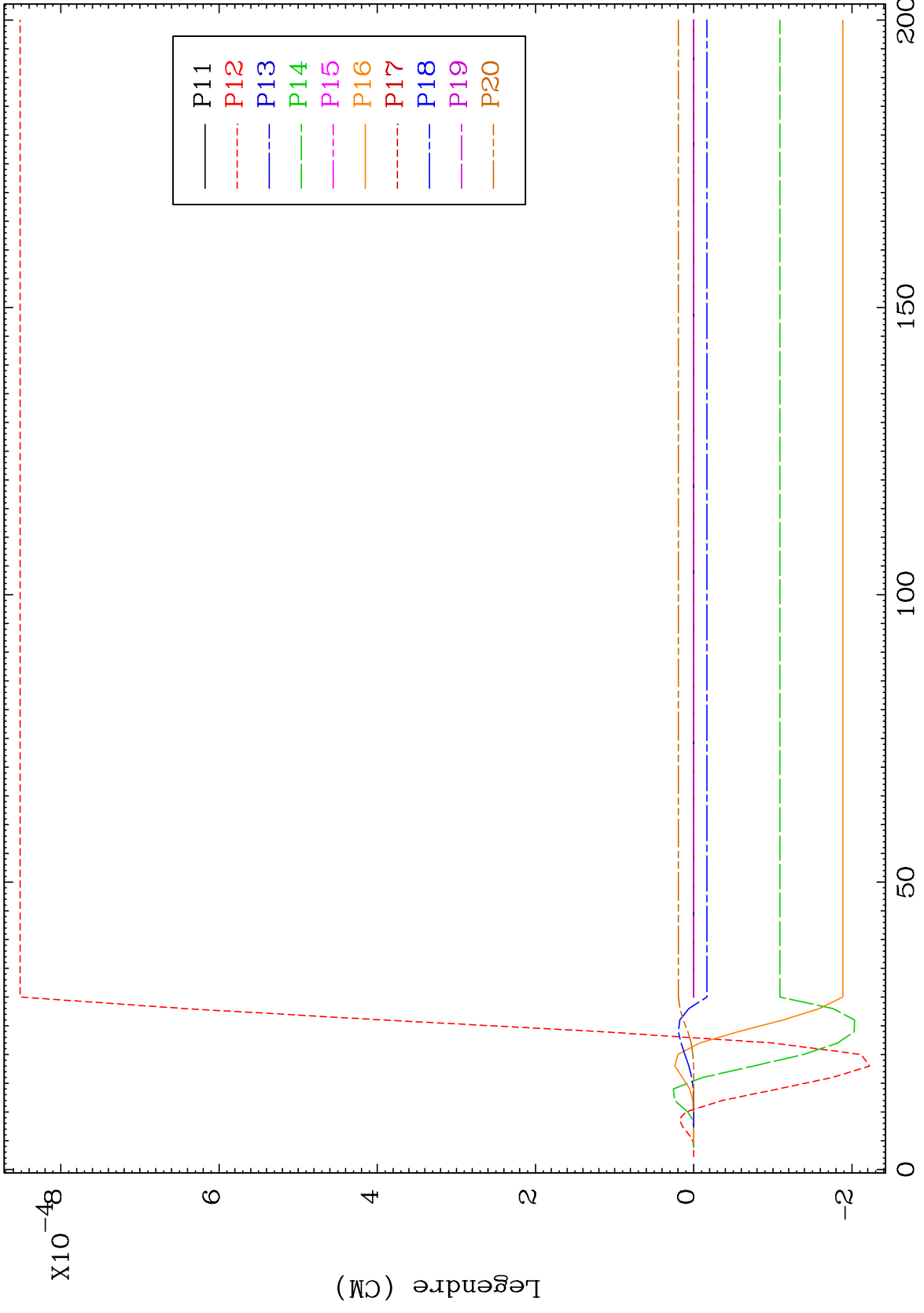


46

Incident Energy (MeV)

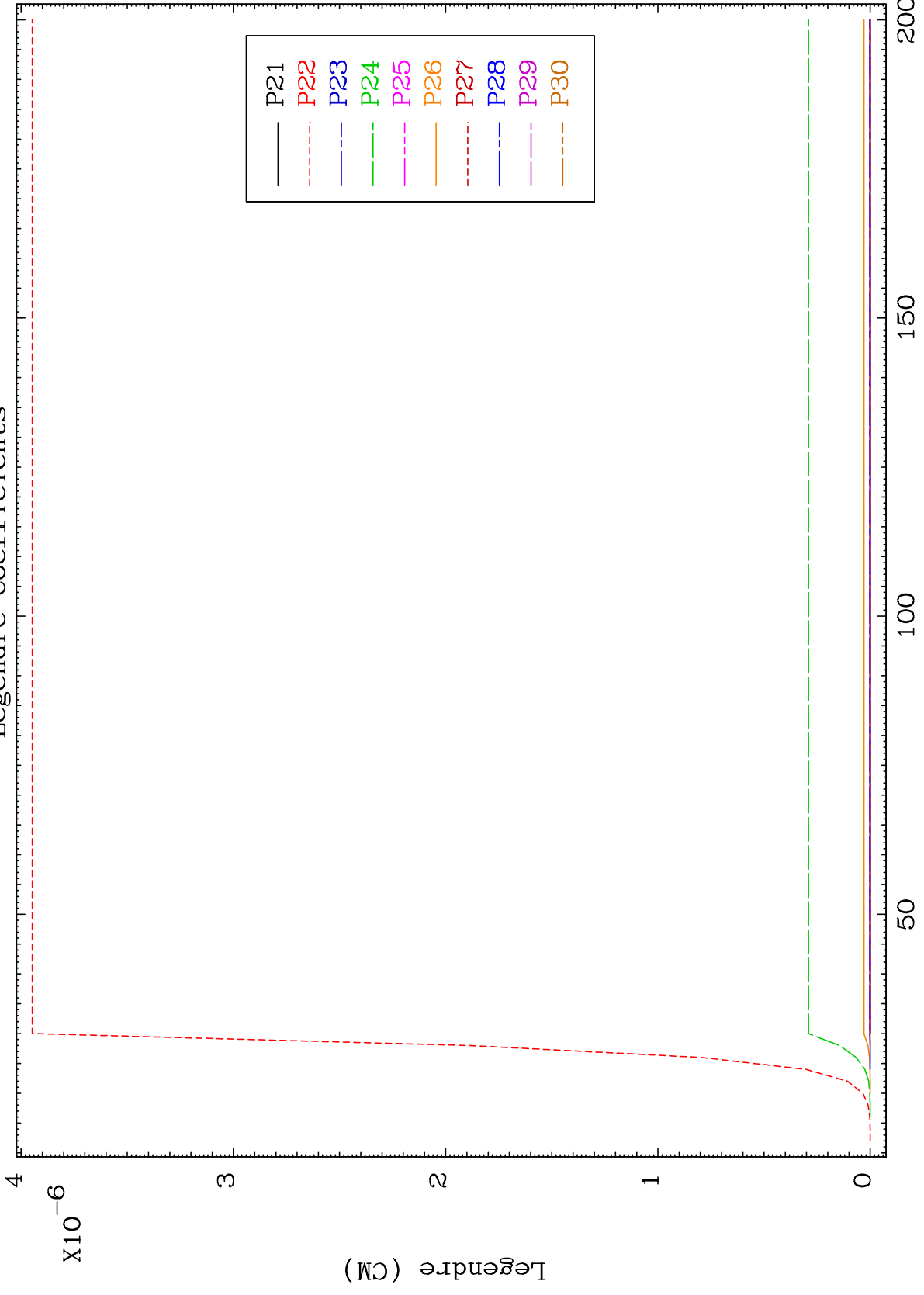
64-Gd-160

MAT 6449 MT= 58 (n,n') Level Legendre Coefficients 64-Gd-160

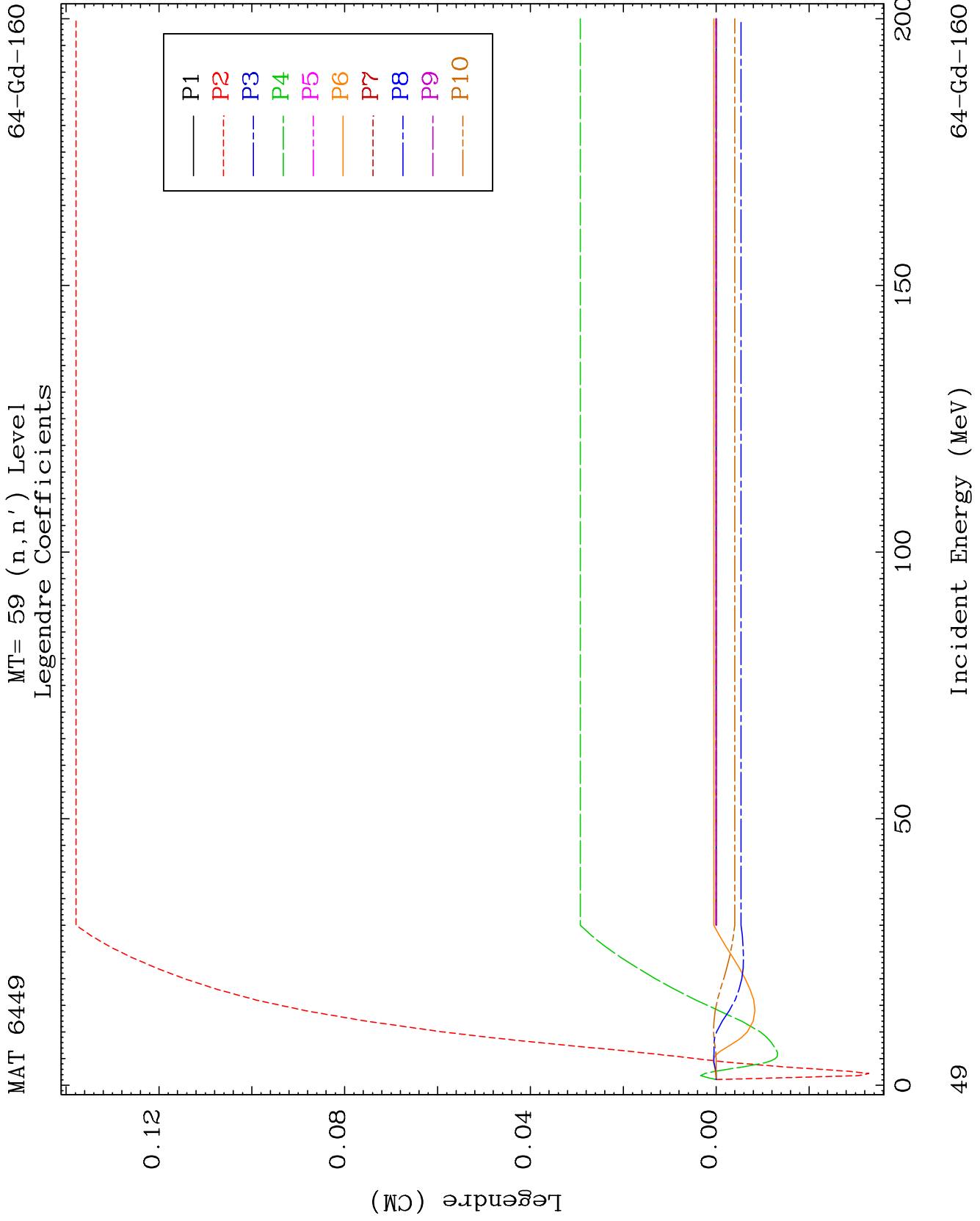


47 64-Gd-160

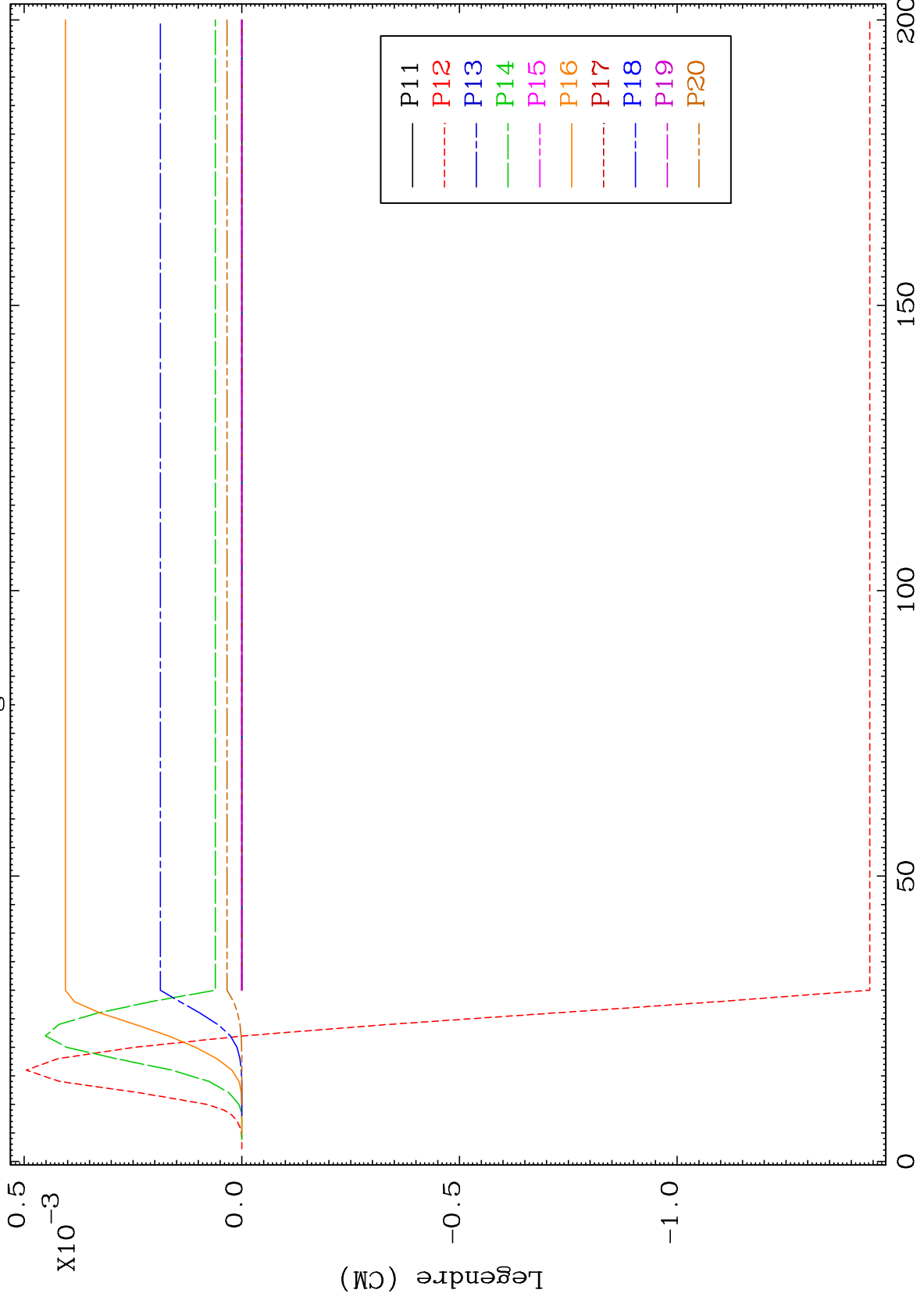
MAT 6449 MT= 58 (n,n') Level Legendre Coefficients 64-Gd-160



48 50 100 150 200 64-Gd-160



MAT 6449 MT= 59 (n,n') Level Legendre Coefficients 64-Gd-160

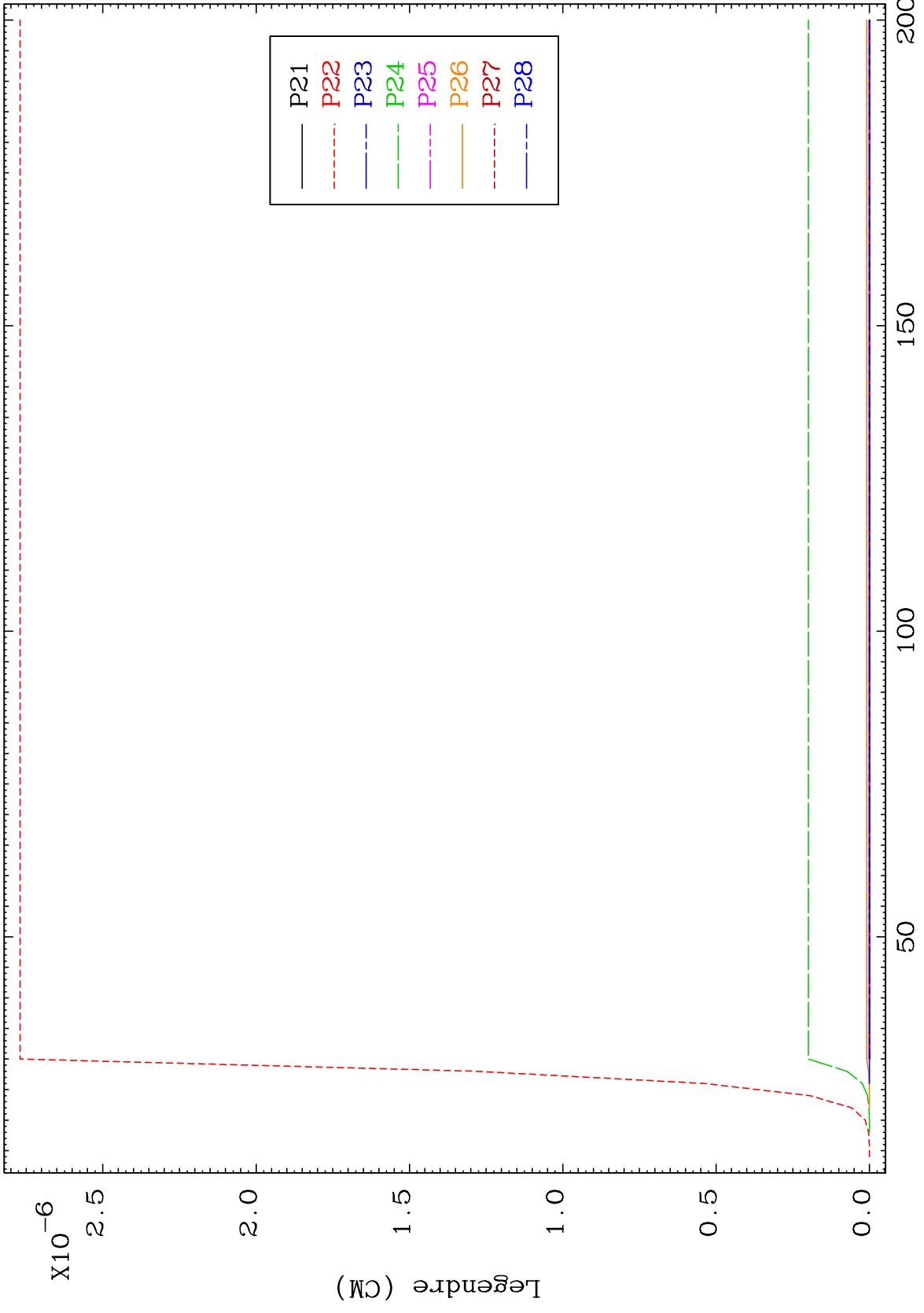


64-Gd-160

Incident Energy (MeV)

50

MAT 6449 MT= 59 (n,n') Level Legendre Coefficients 64-Gd-160

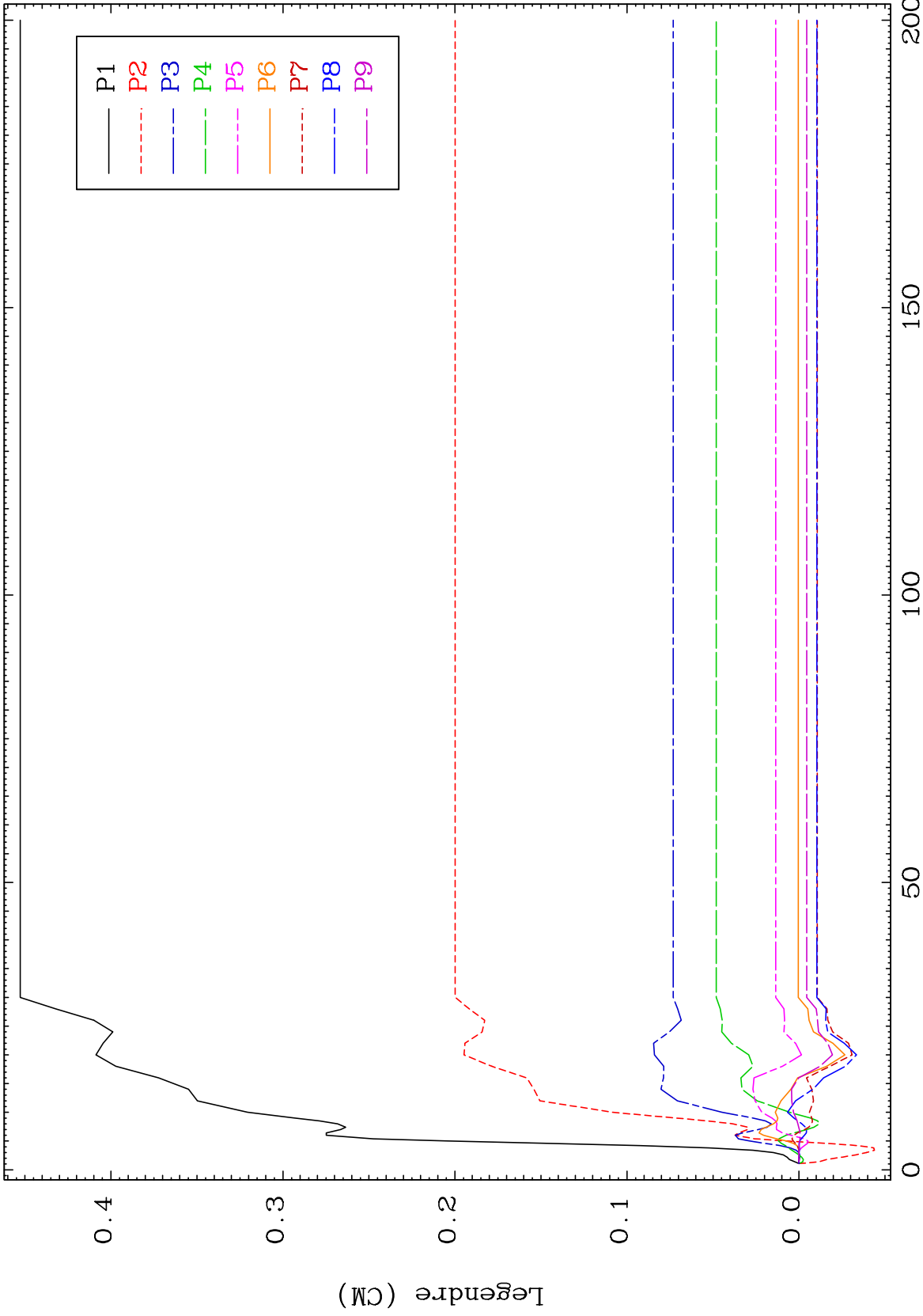


51 Incident Energy (MeV) 64-Gd-160

MAT 6449

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

64-Gd-160



52

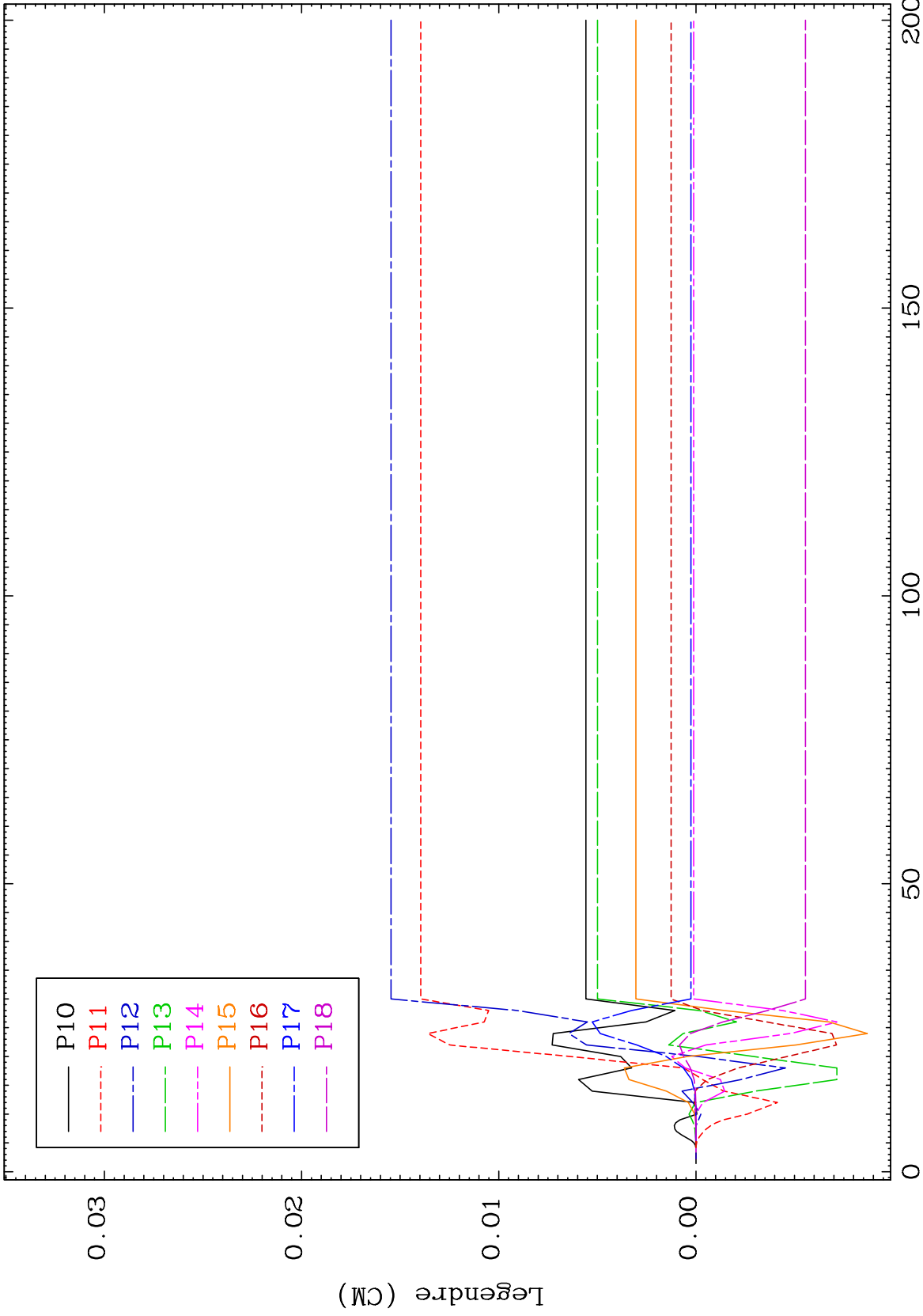
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



53

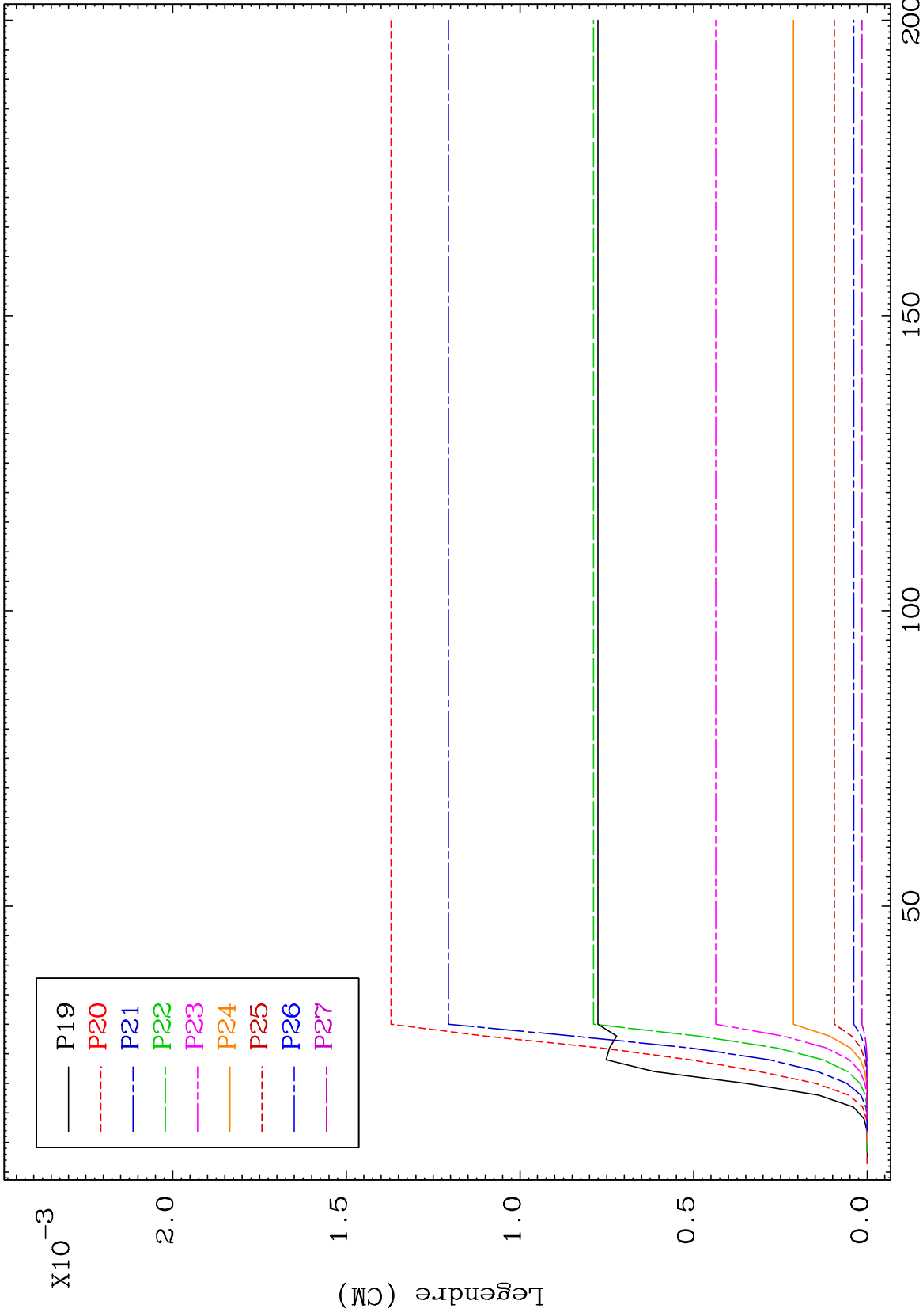
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



54

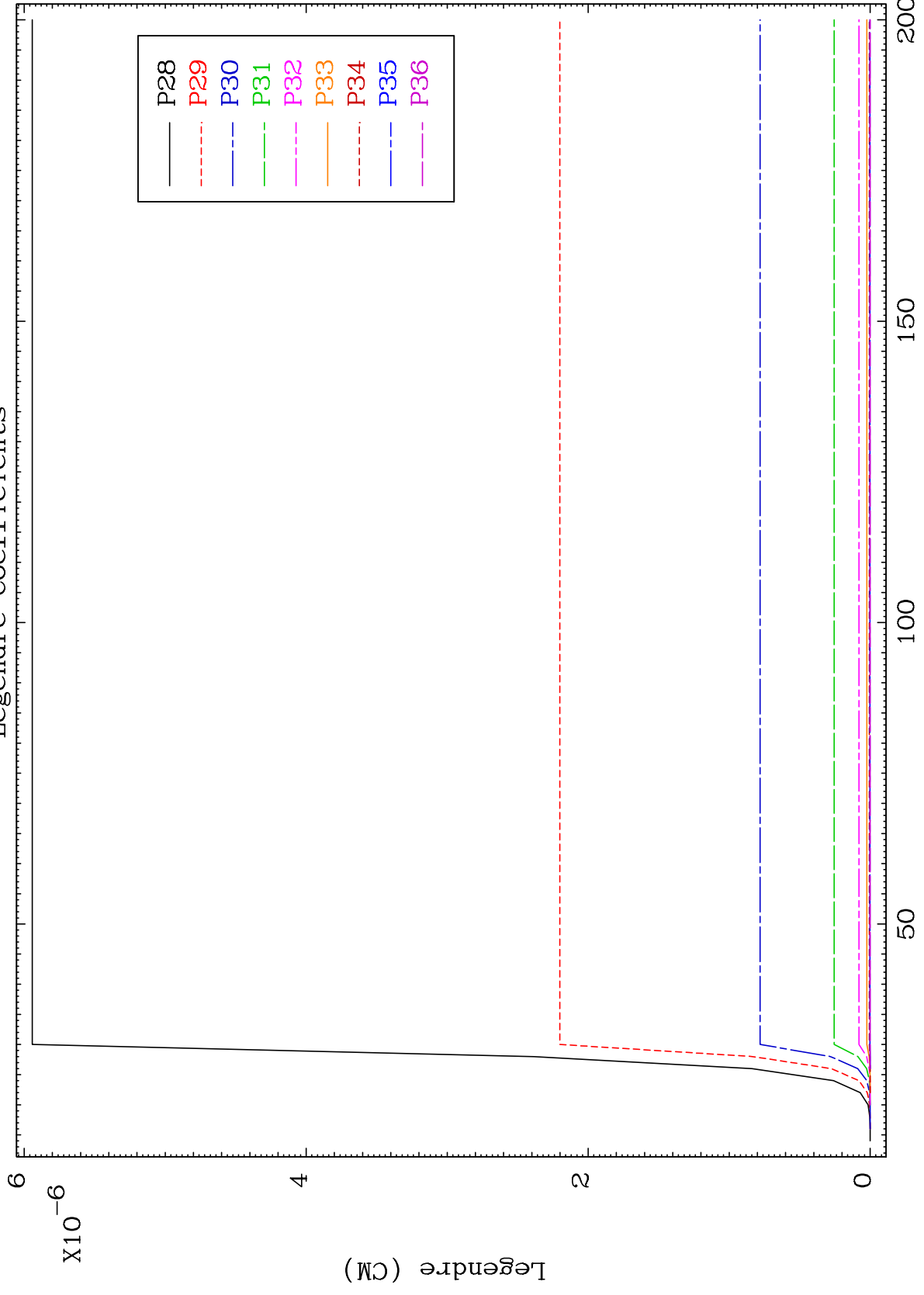
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



55

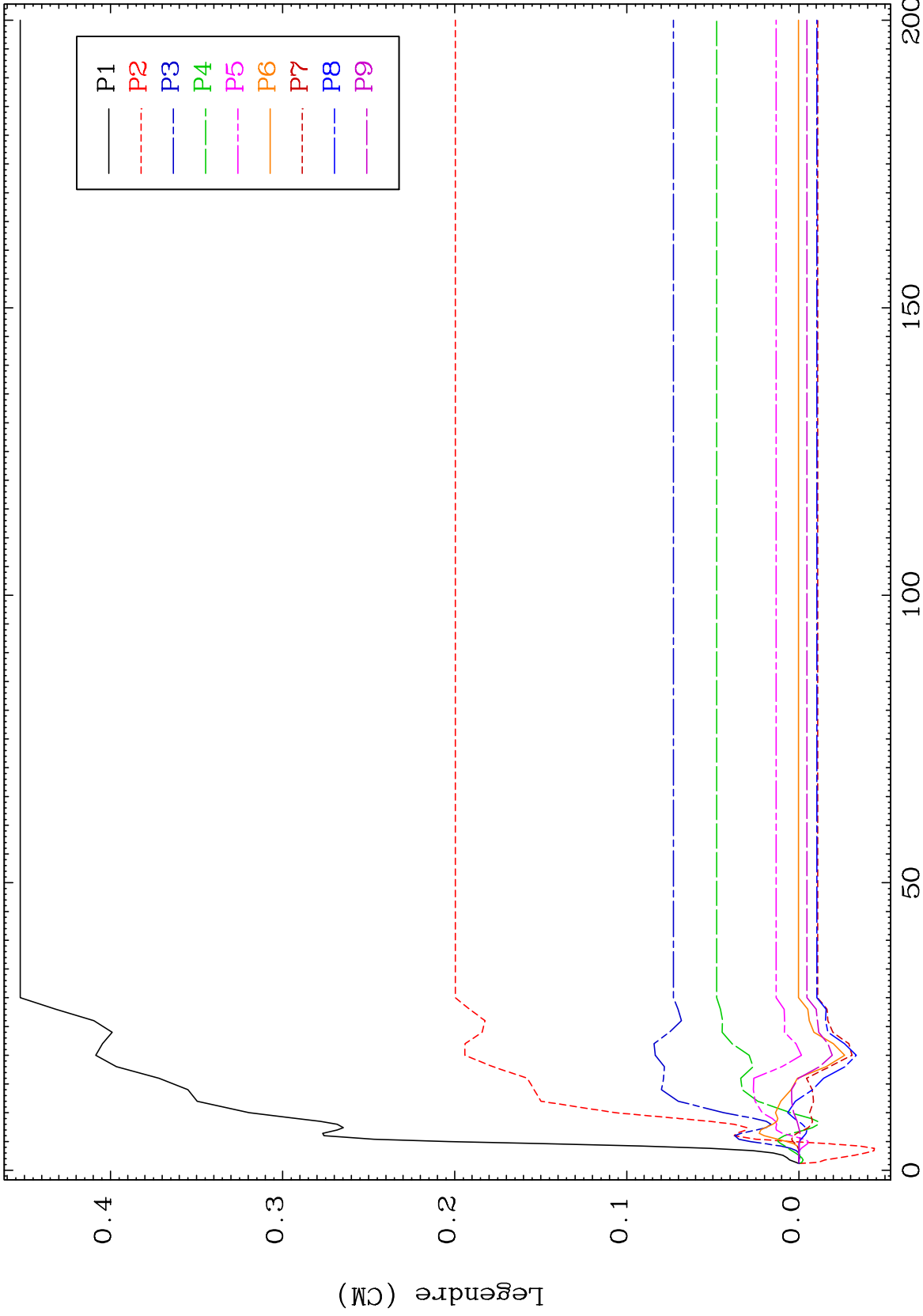
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



56

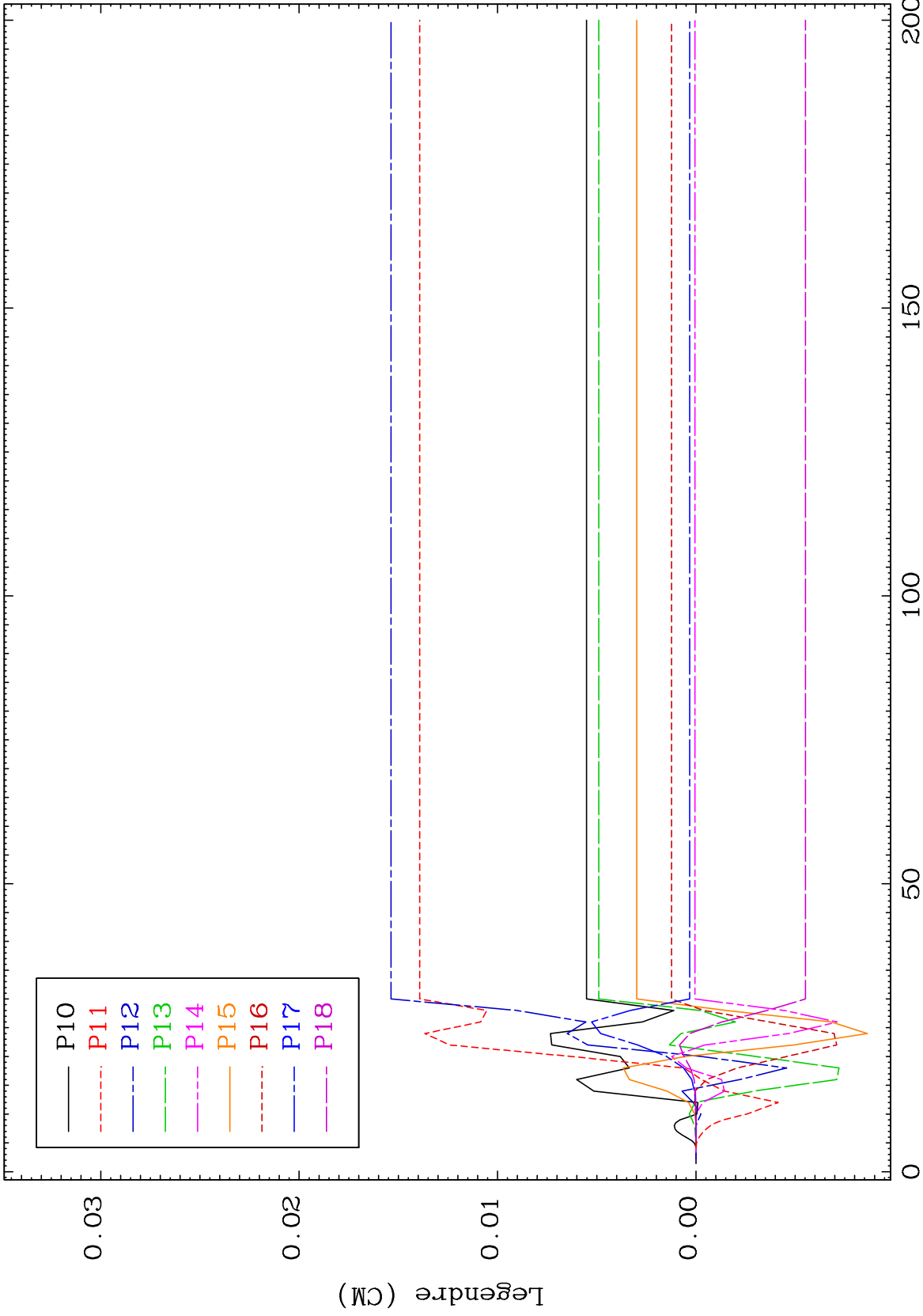
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



57

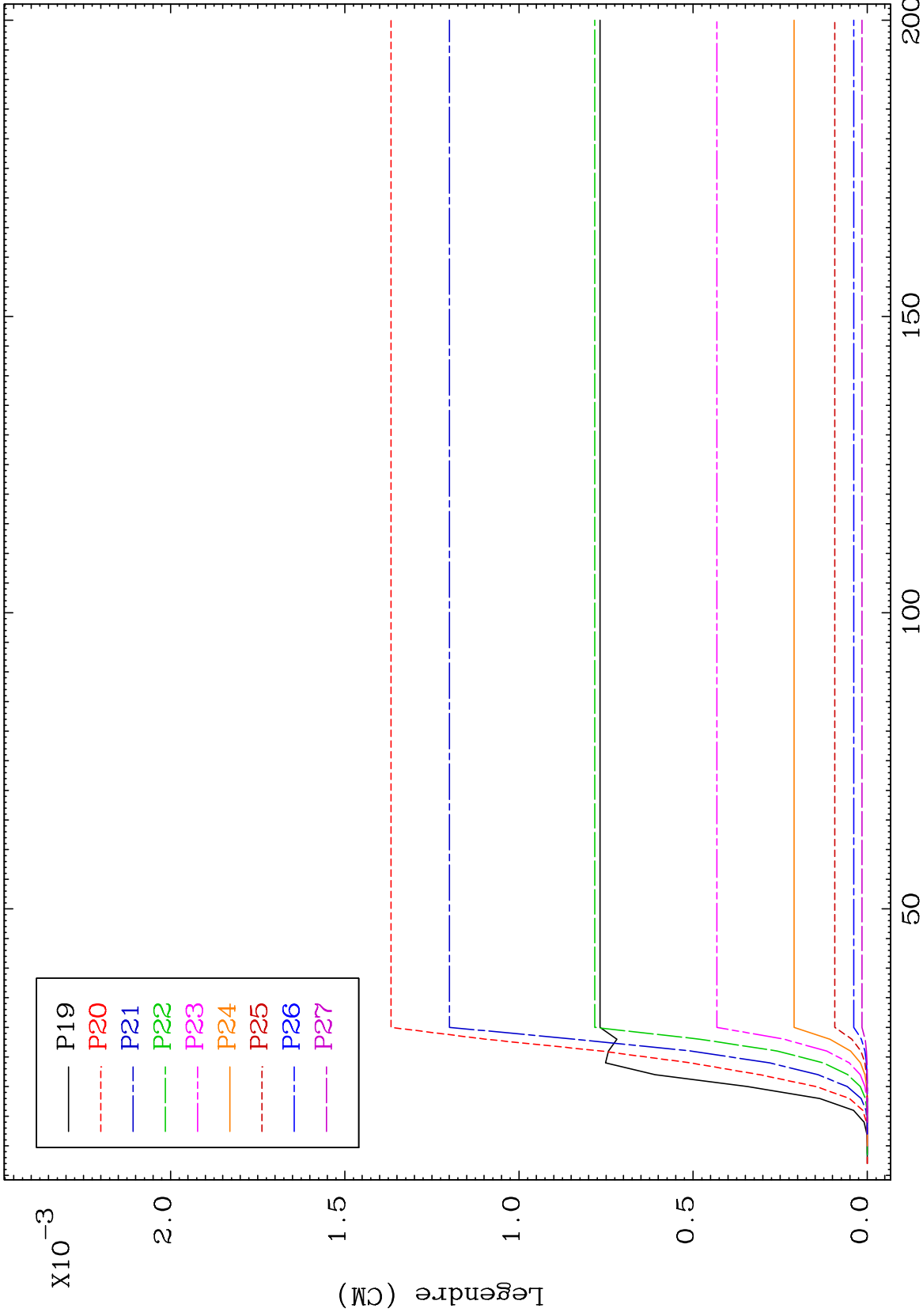
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



58

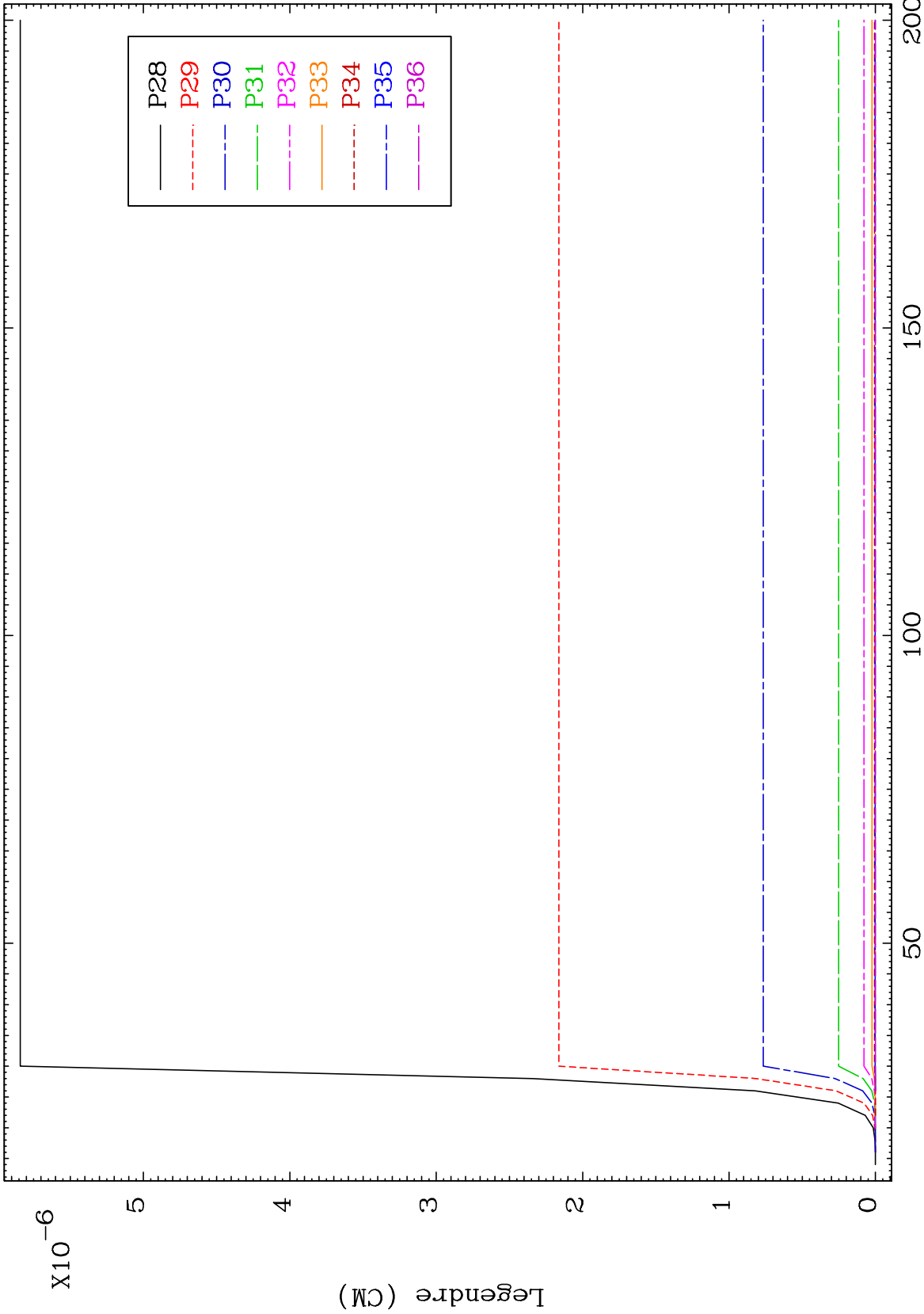
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



59

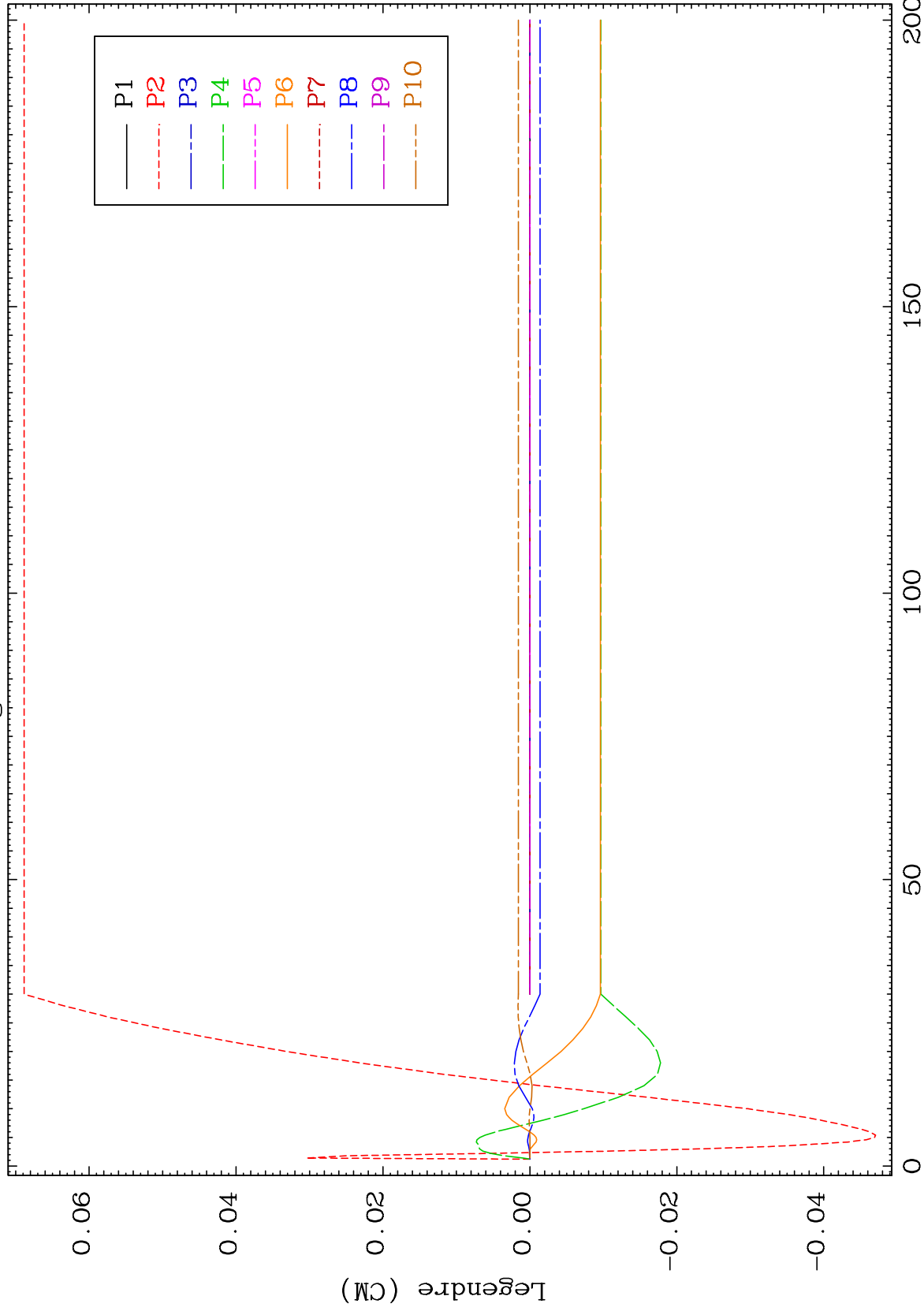
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

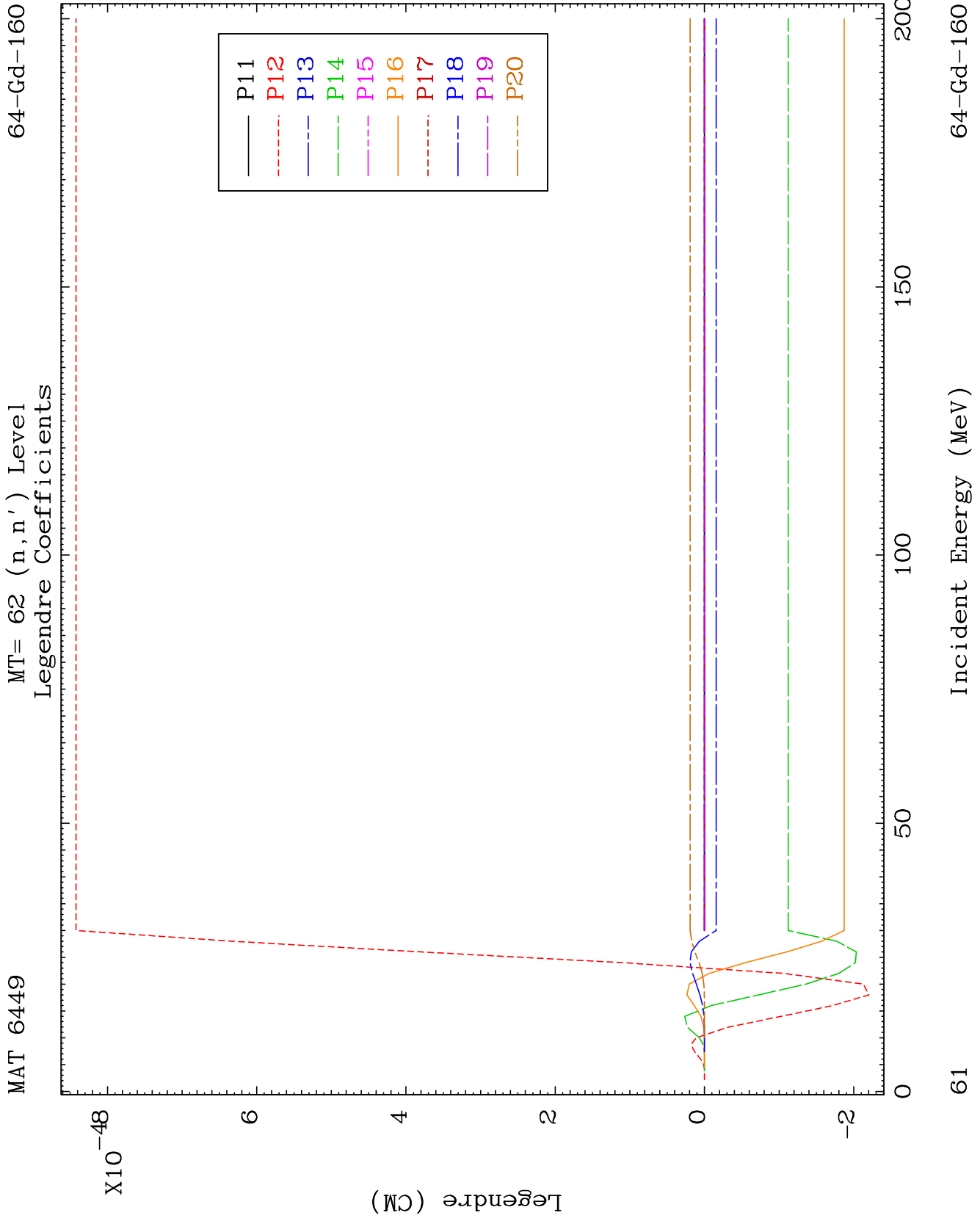
64-Gd-160



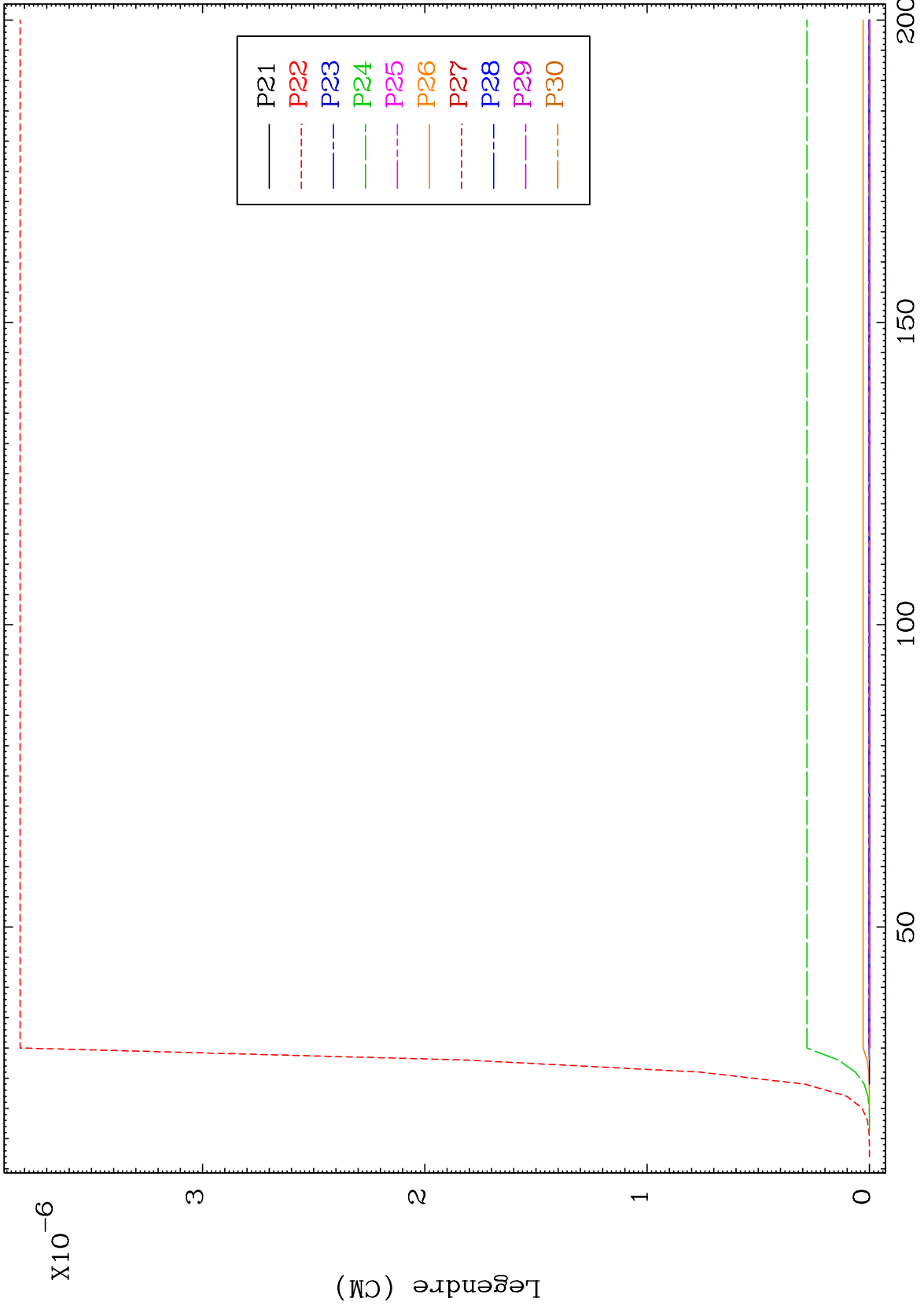
60

Incident Energy (MeV)

64-Gd-160



MAT 6449 MT= 62 (n,n') Level Legendre Coefficients 64-Gd-160

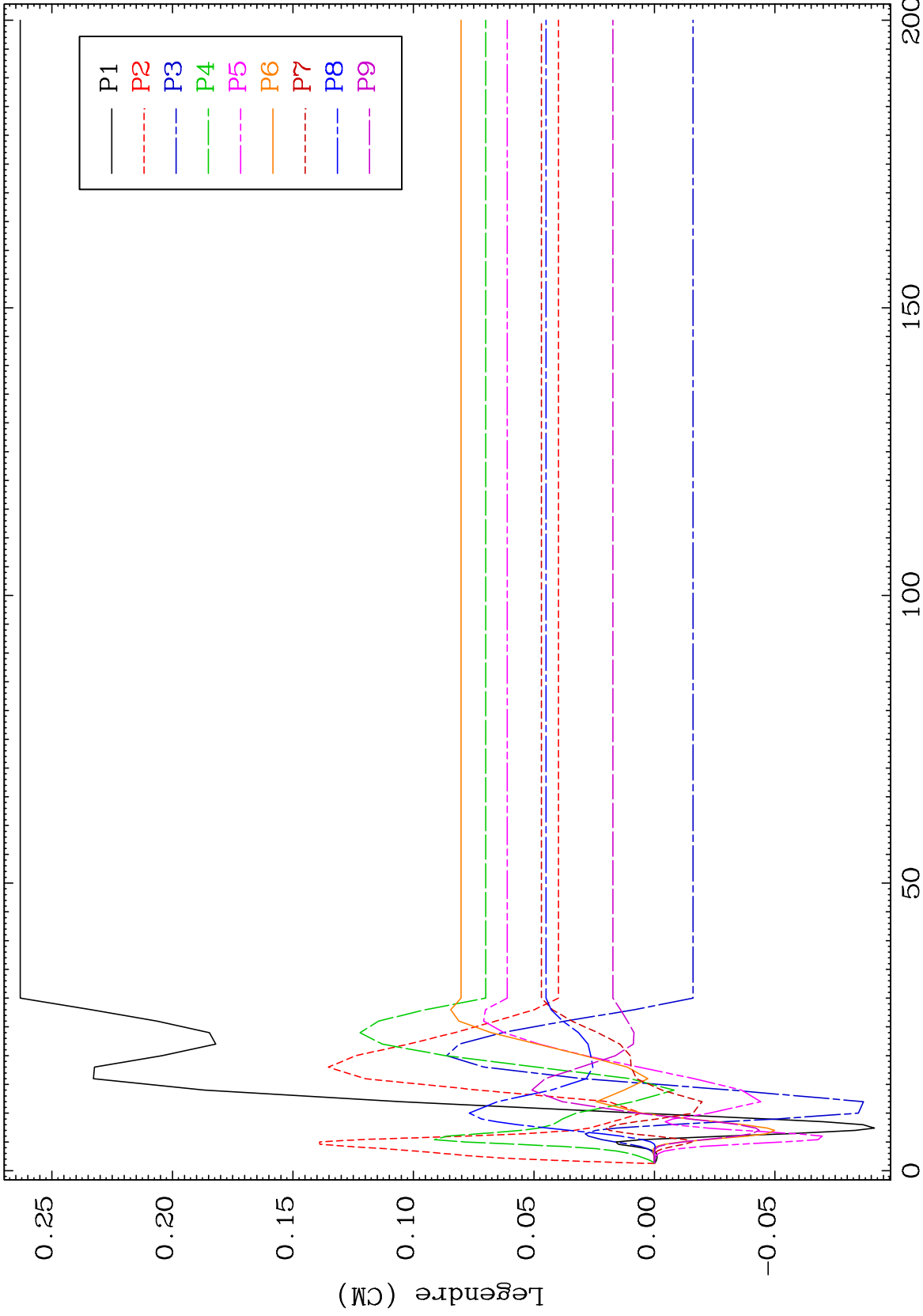


64-Gd-160

MAT 6449

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

64-Gd-160



63

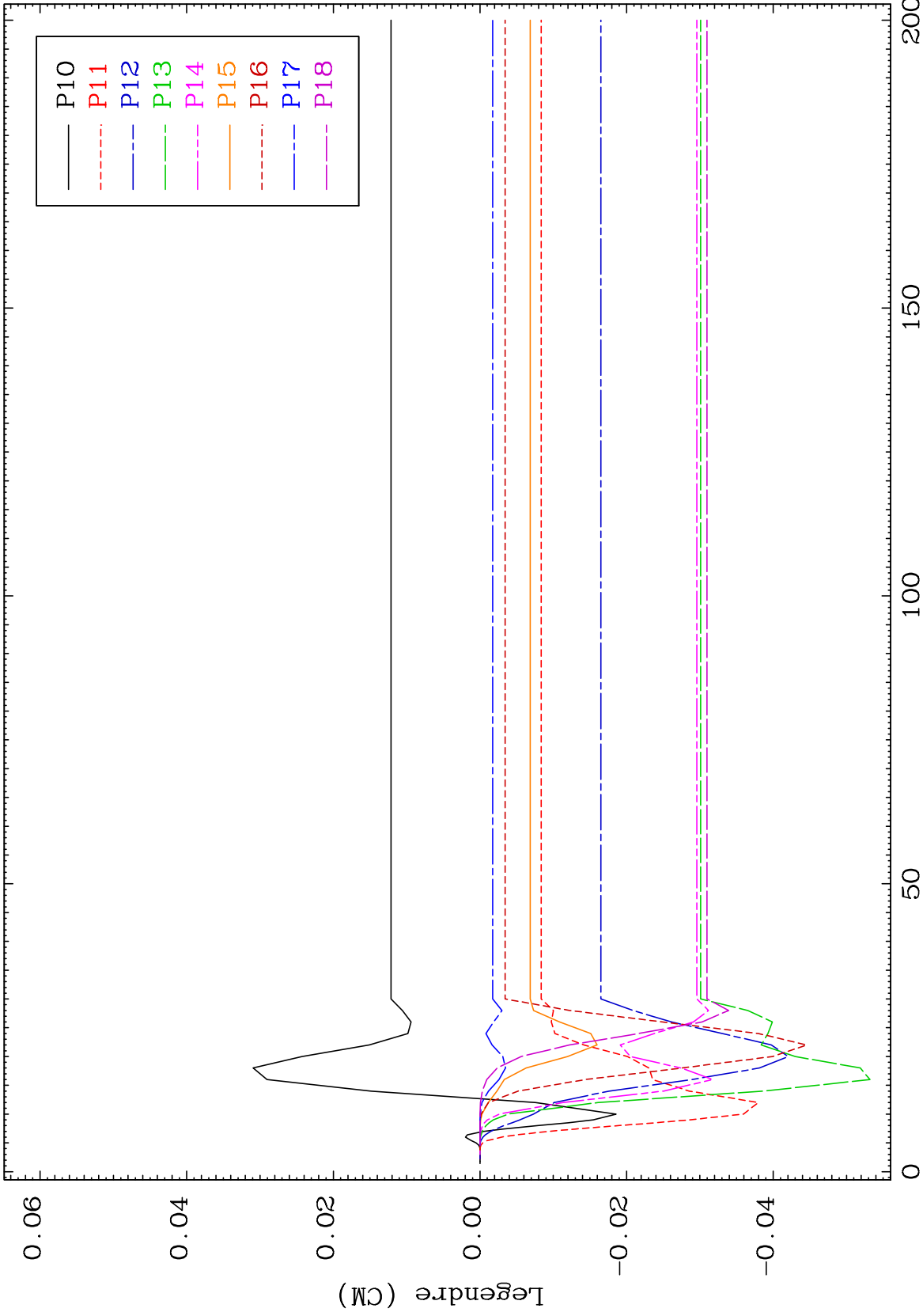
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



64

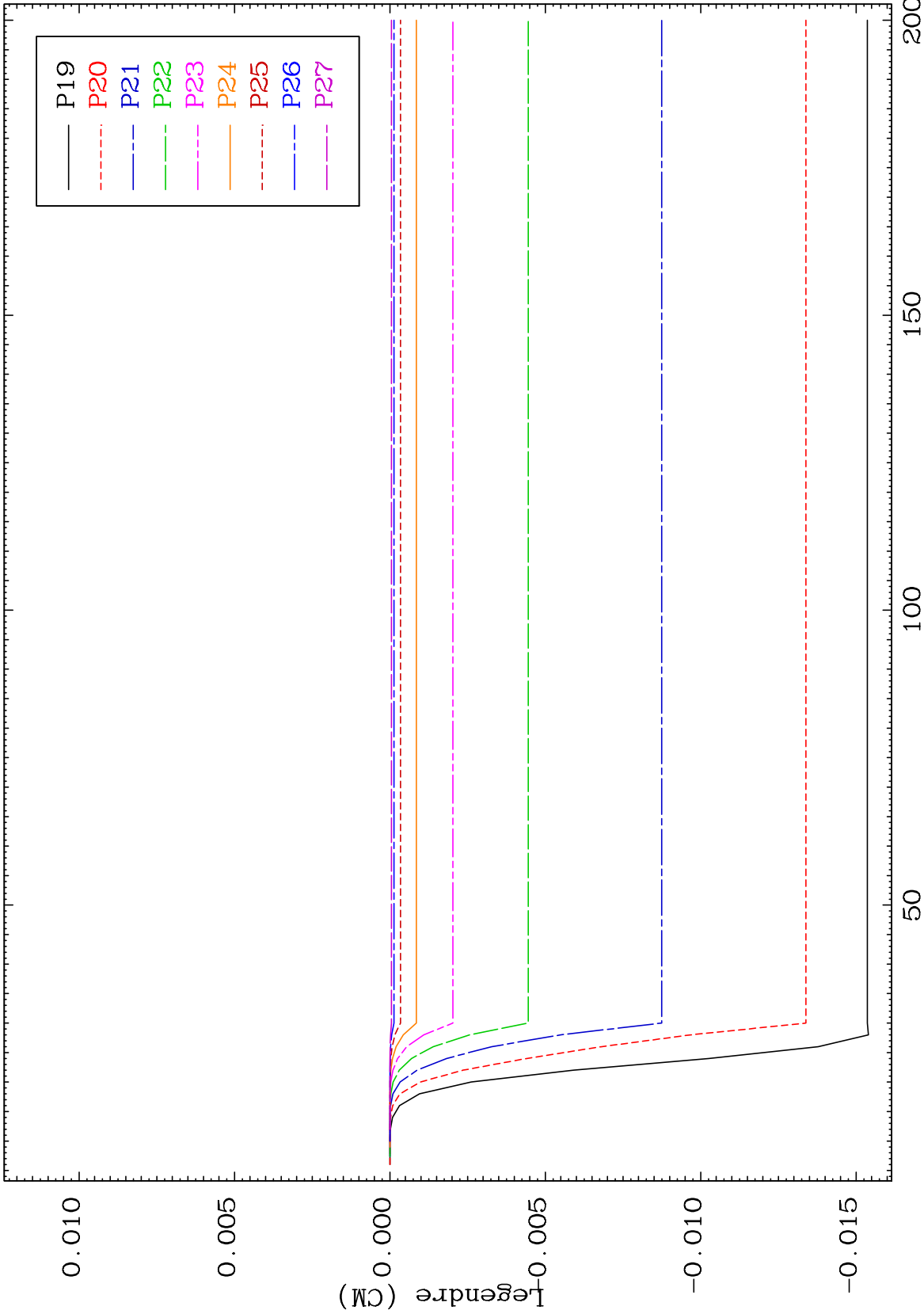
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



65

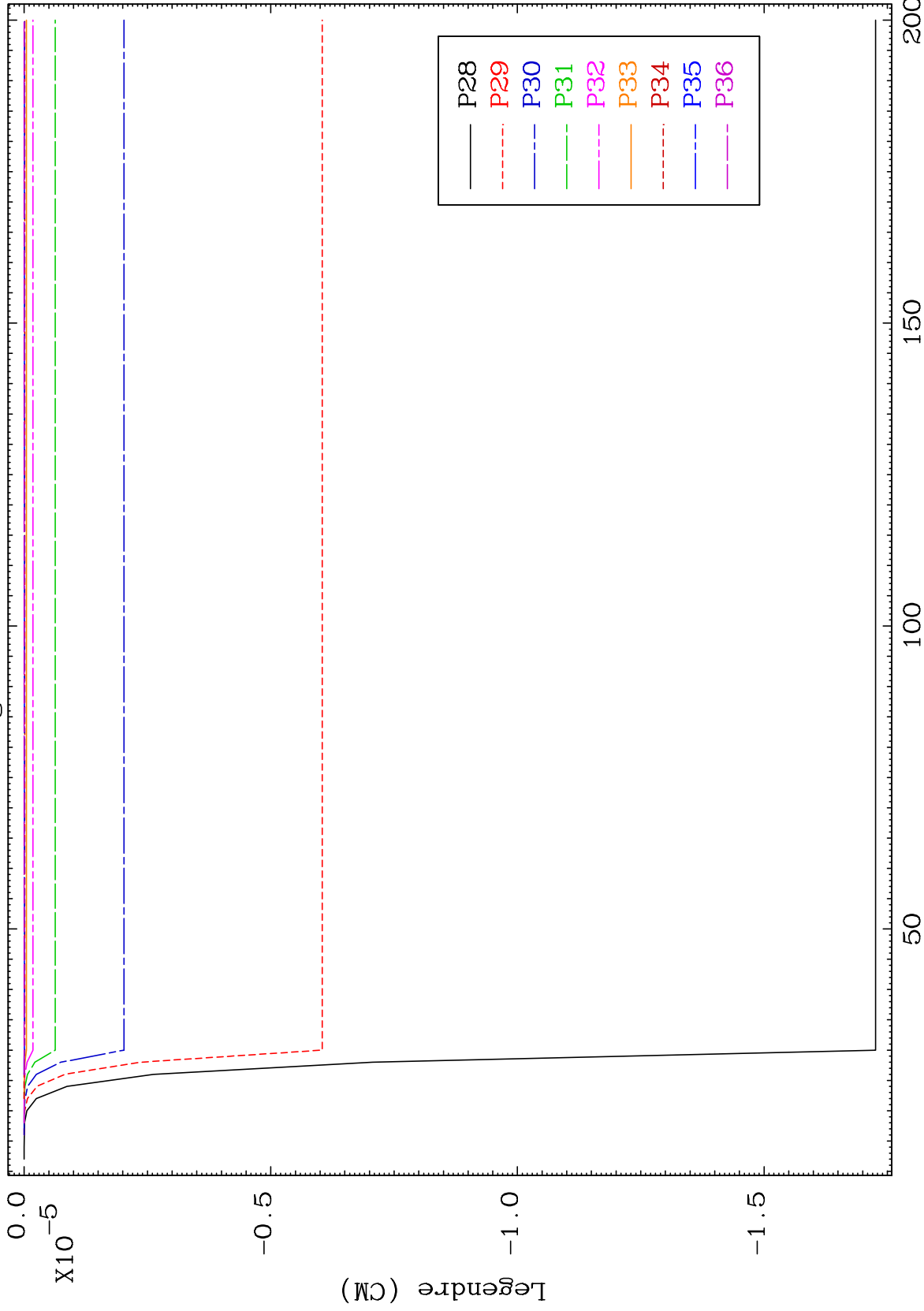
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



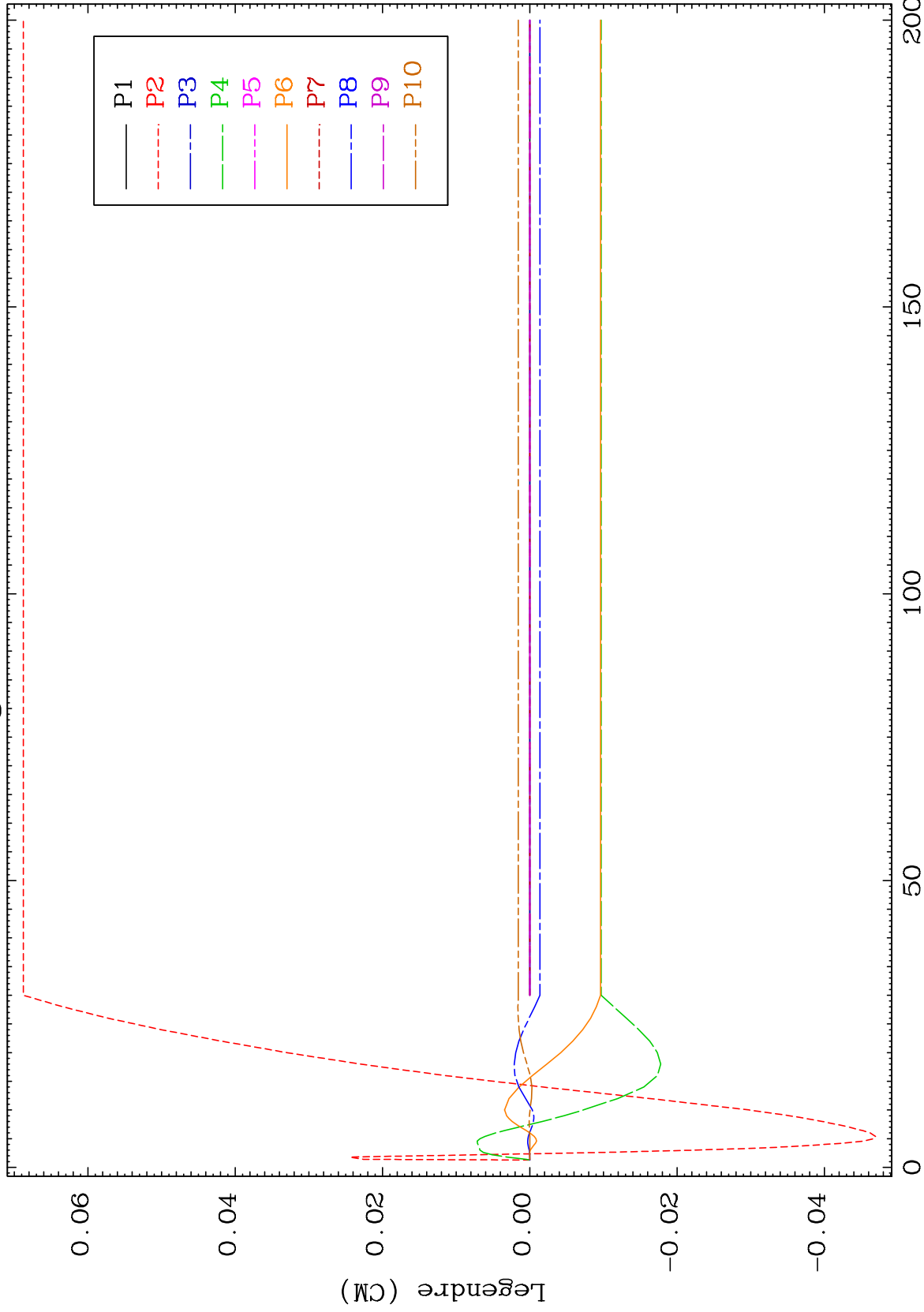
66

64-Gd-160

MAT 6449

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

64-Gd-160

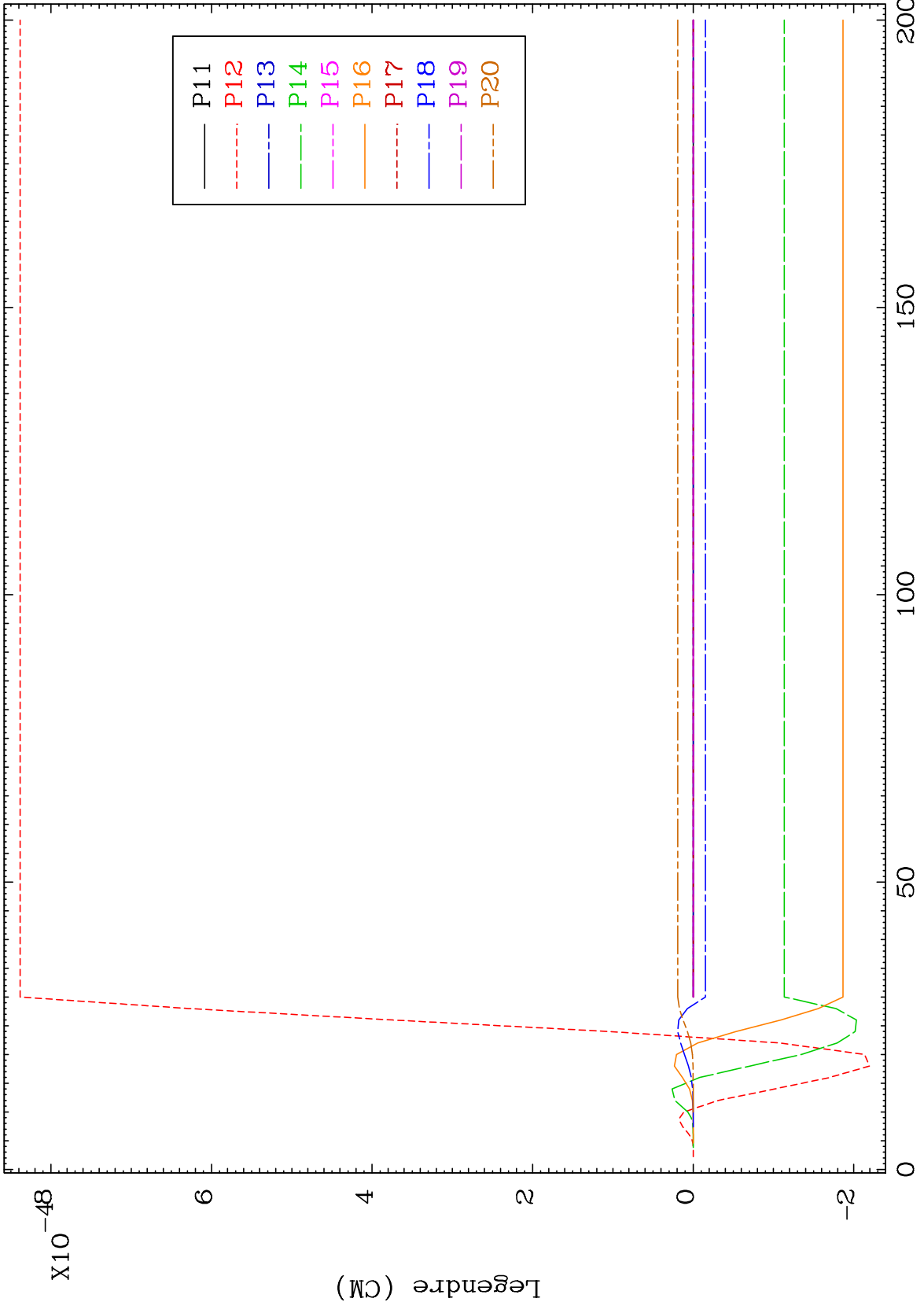


67

Incident Energy (MeV)

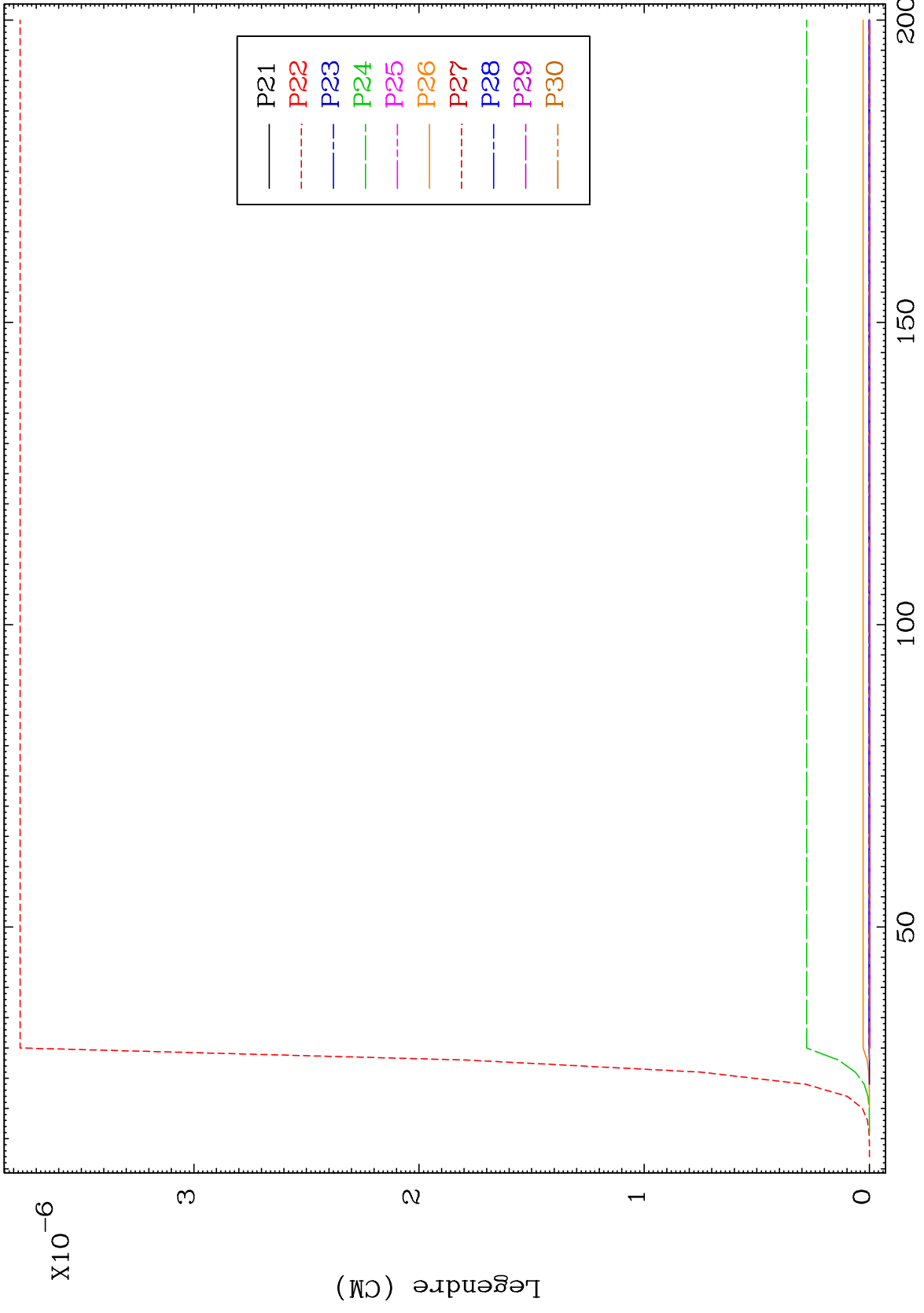
64-Gd-160

MAT 6449 MT= 64 (n,n') Level Legendre Coefficients 64-Gd-160



68 64-Gd-160

MAT 6449 MT= 64 (n,n') Level Legendre Coefficients 64-Gd-160

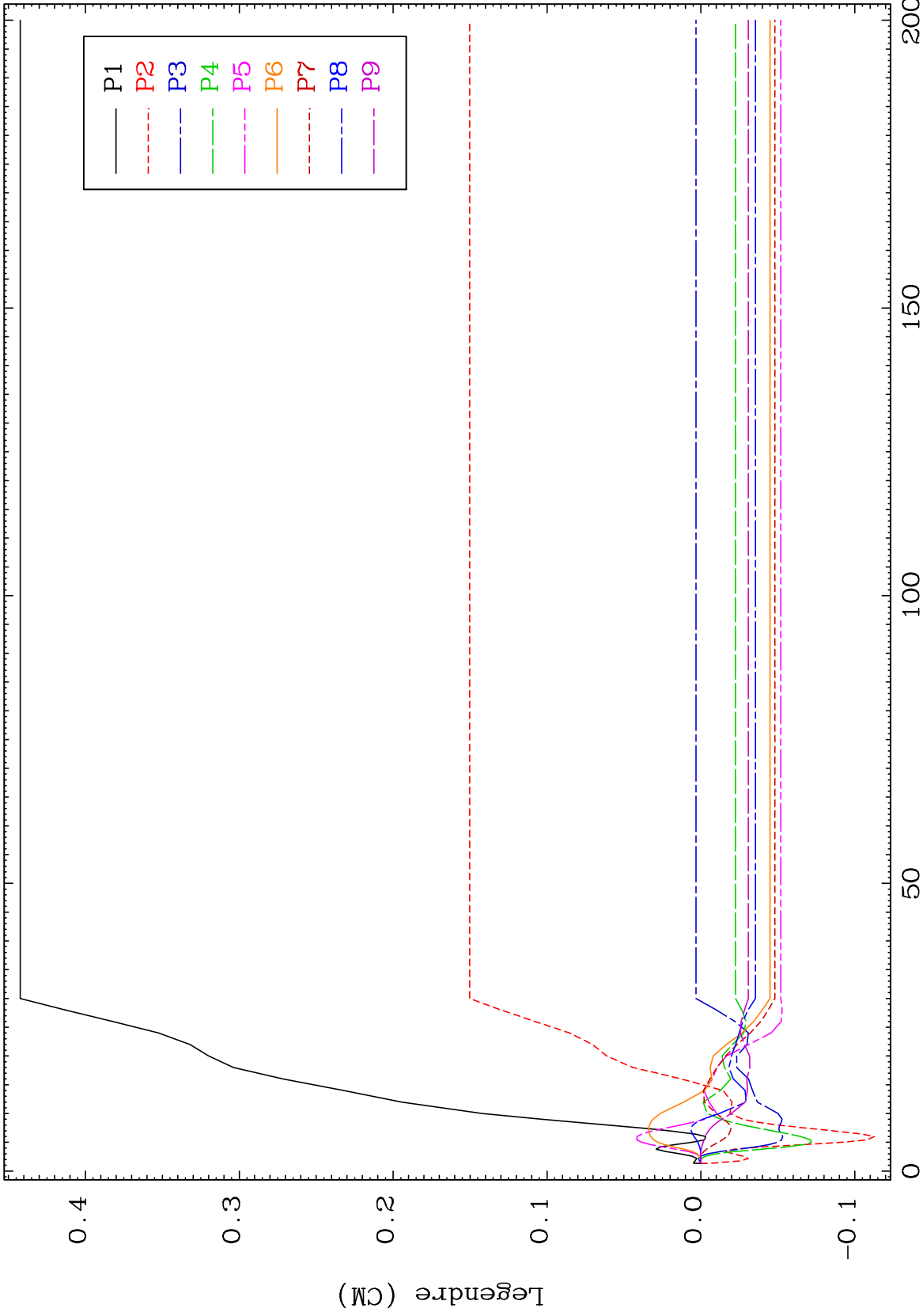


69 64-Gd-160

MAT 6449

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

64-Gd-160



70

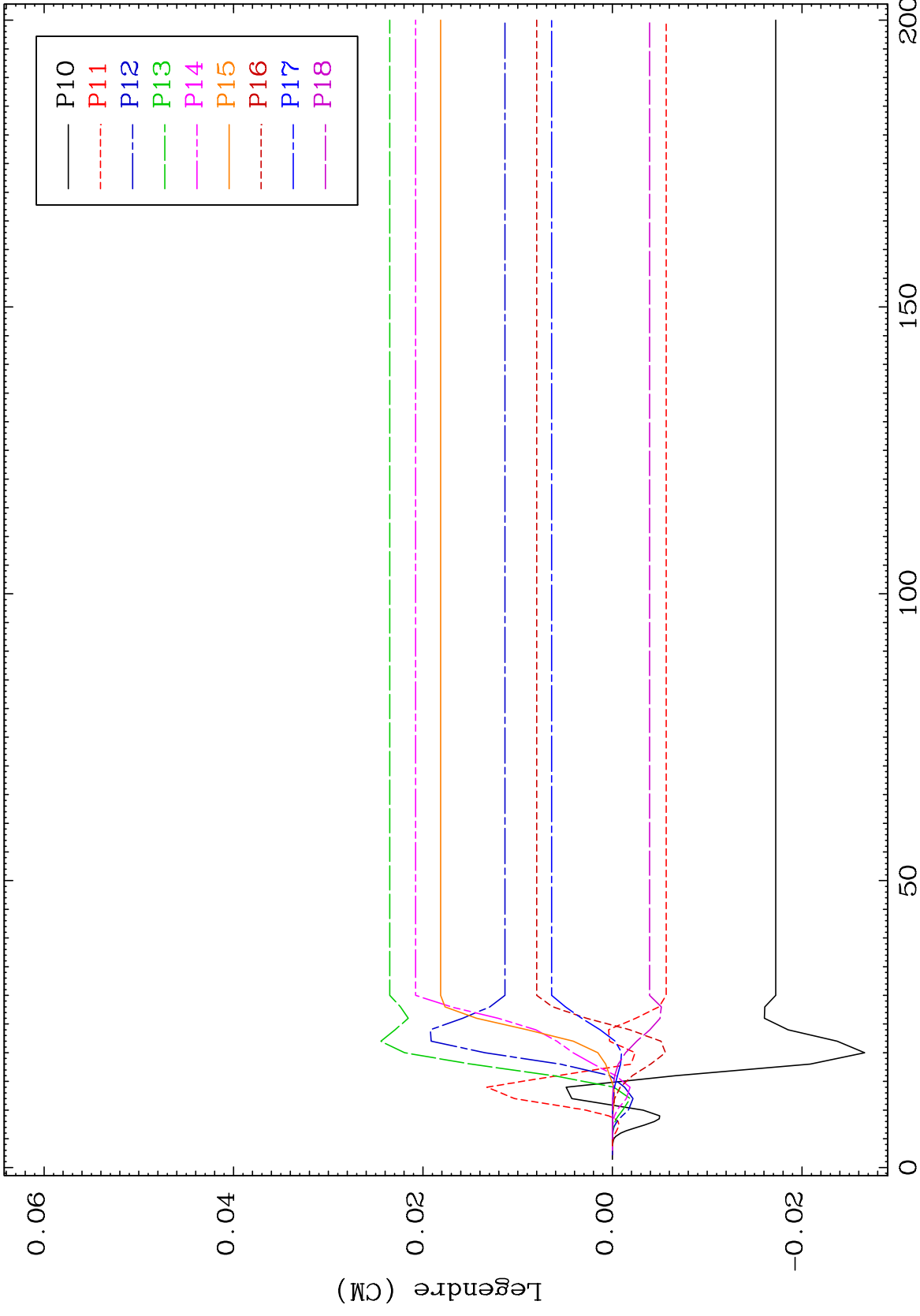
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



71

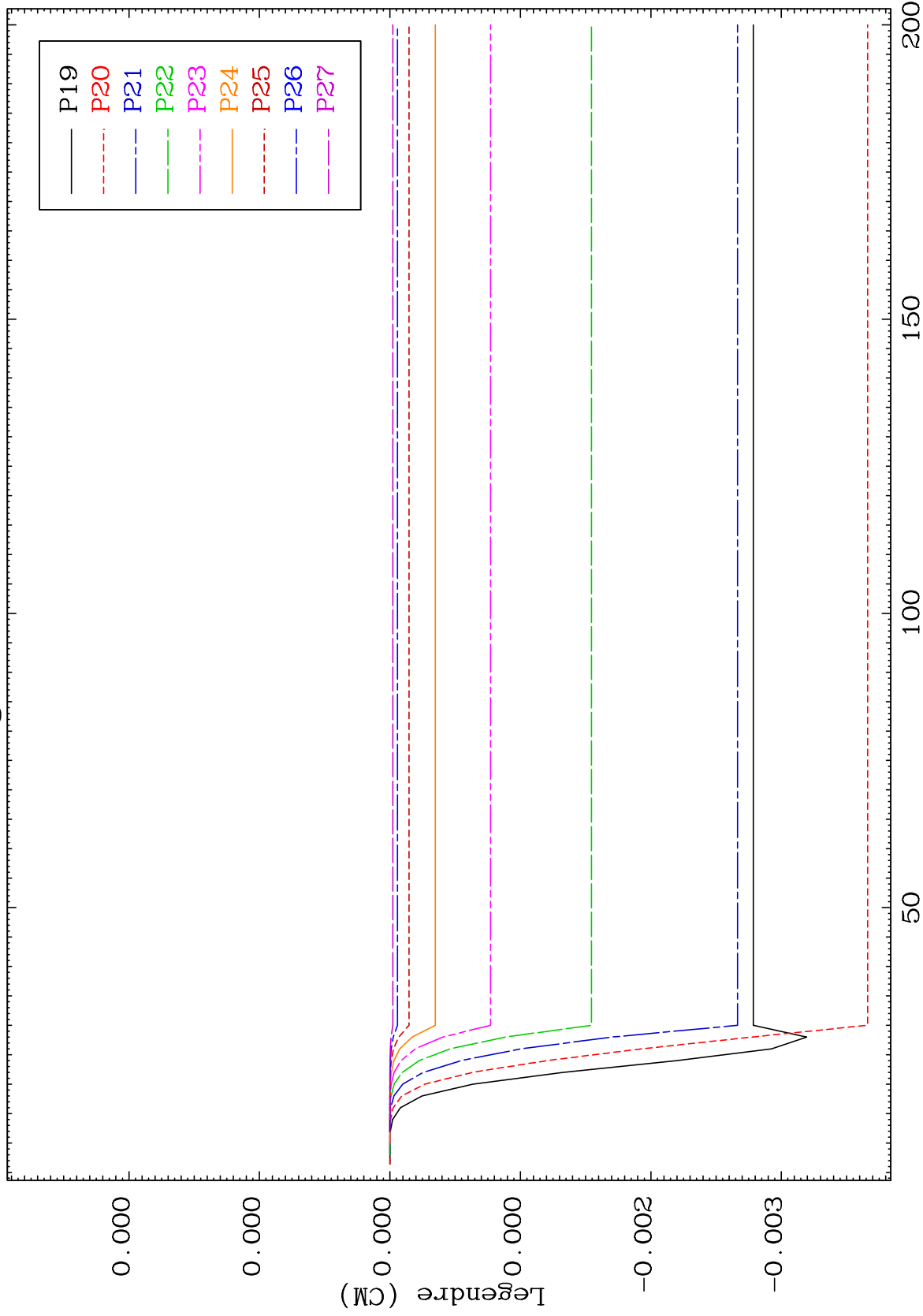
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



72

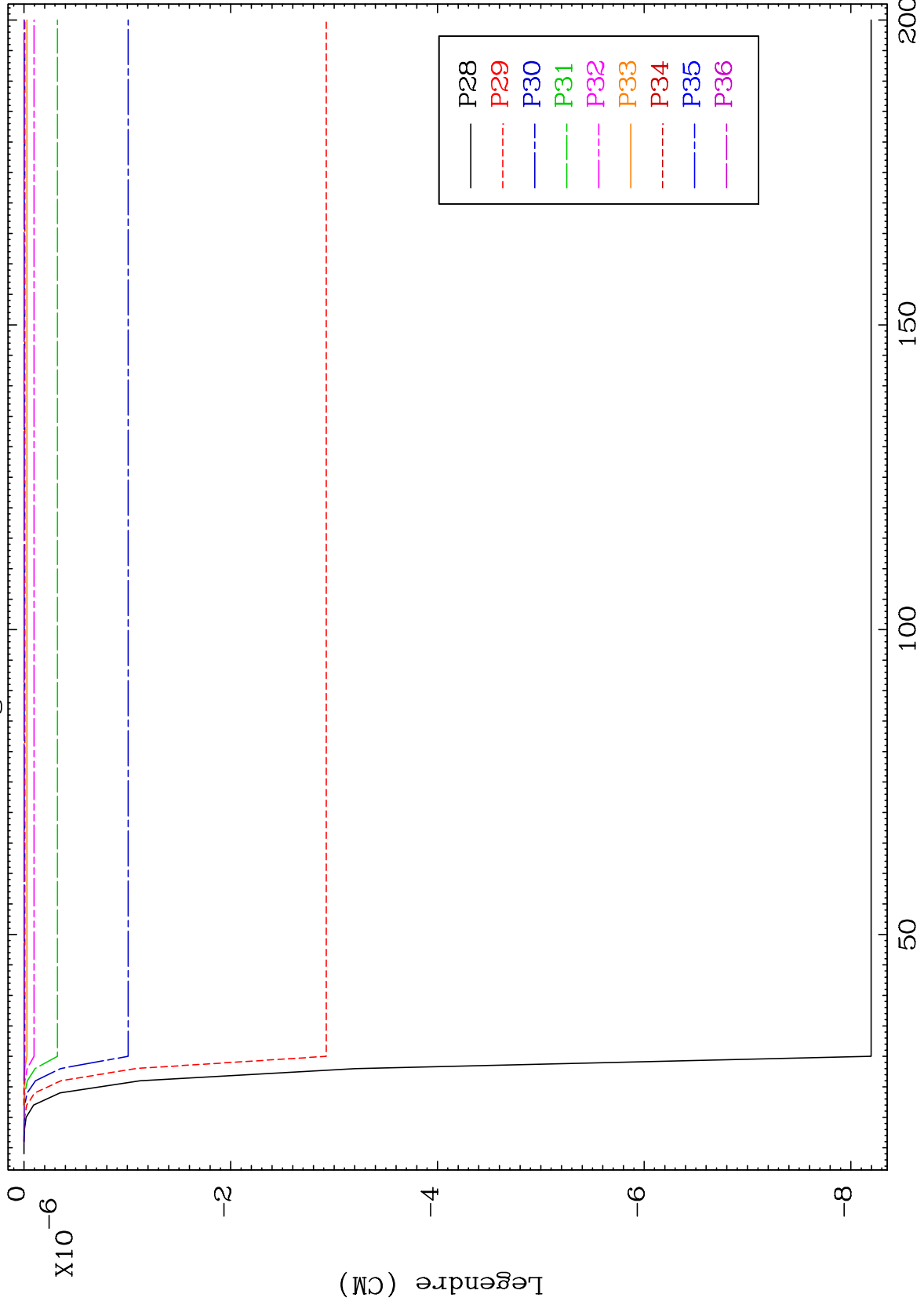
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



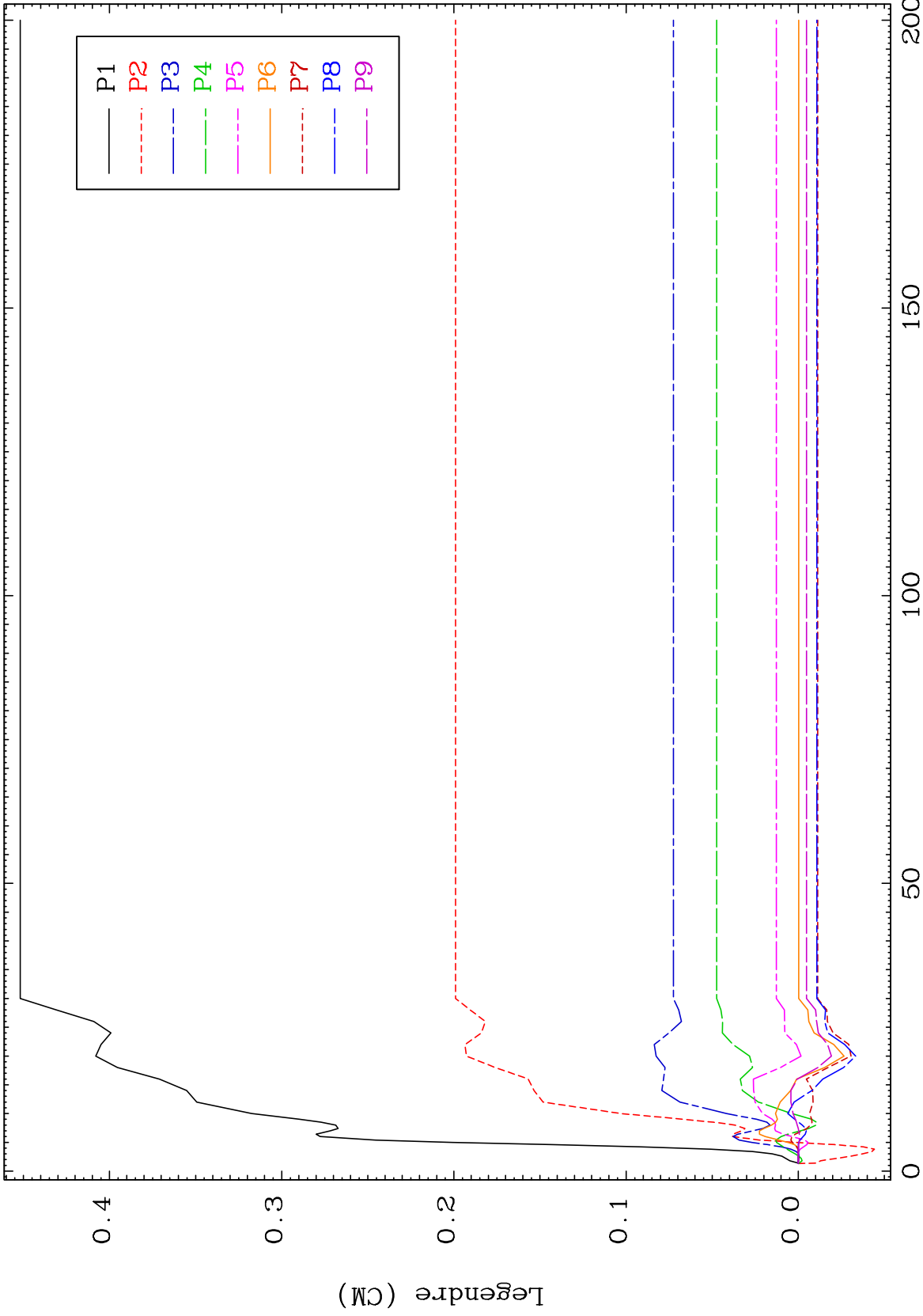
73

64-Gd-160

MAT 6449

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

64-Gd-160

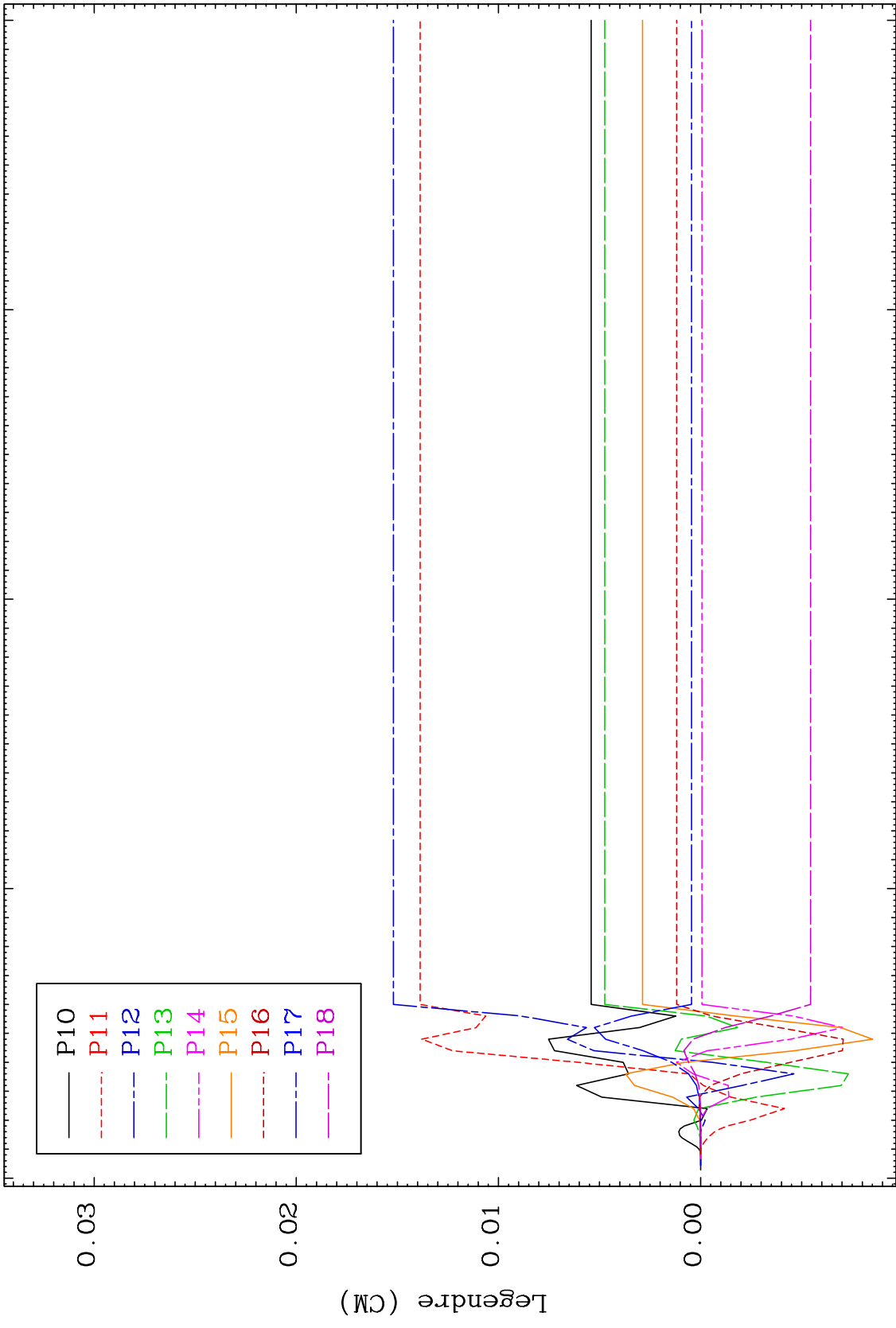


74

Incident Energy (MeV)

64-Gd-160

MAT 6449 MT= 66 (n,n') Level Legendre Coefficients 64-Gd-160

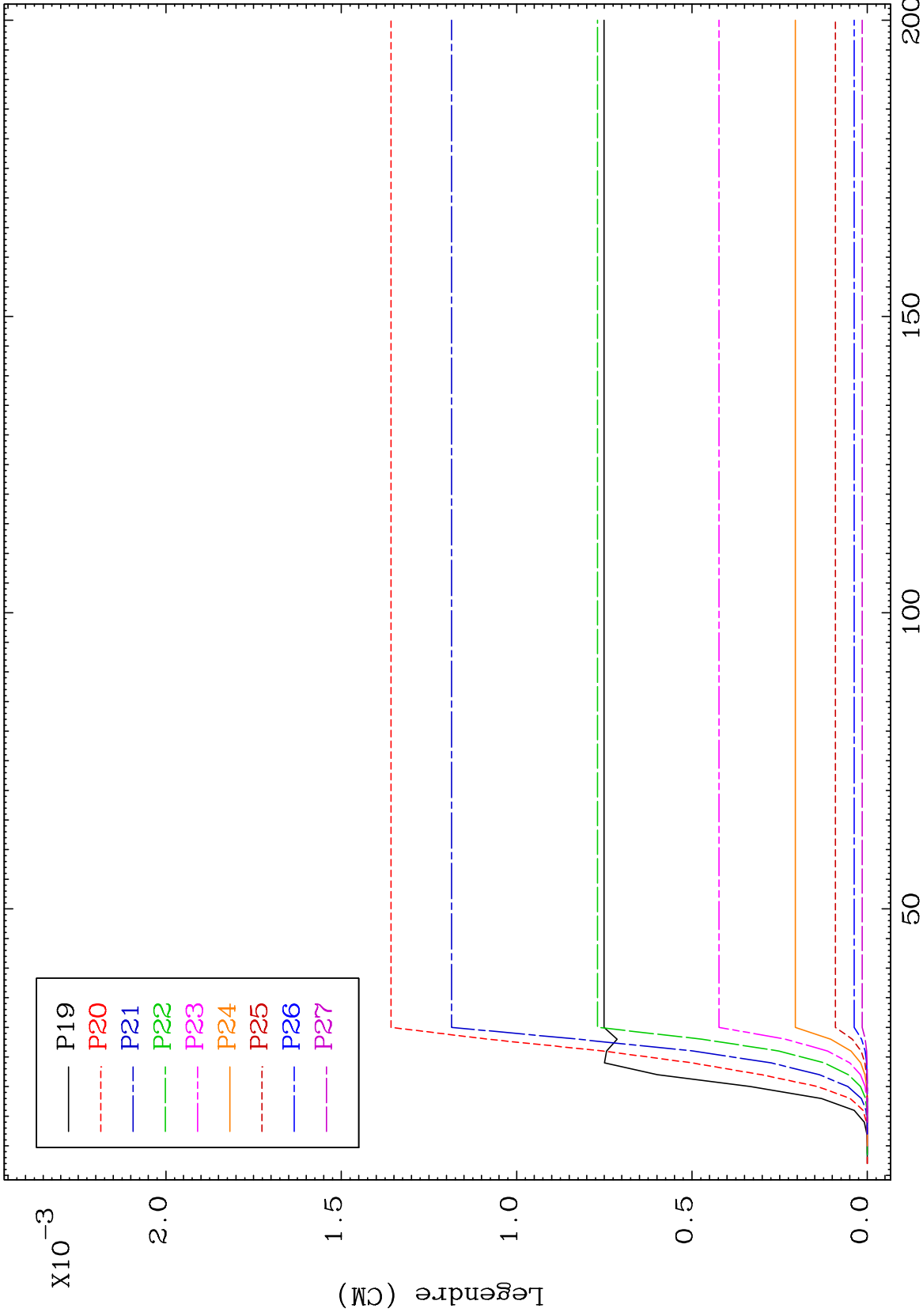


75 Incident Energy (MeV) 64-Gd-160

MAT 6449

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

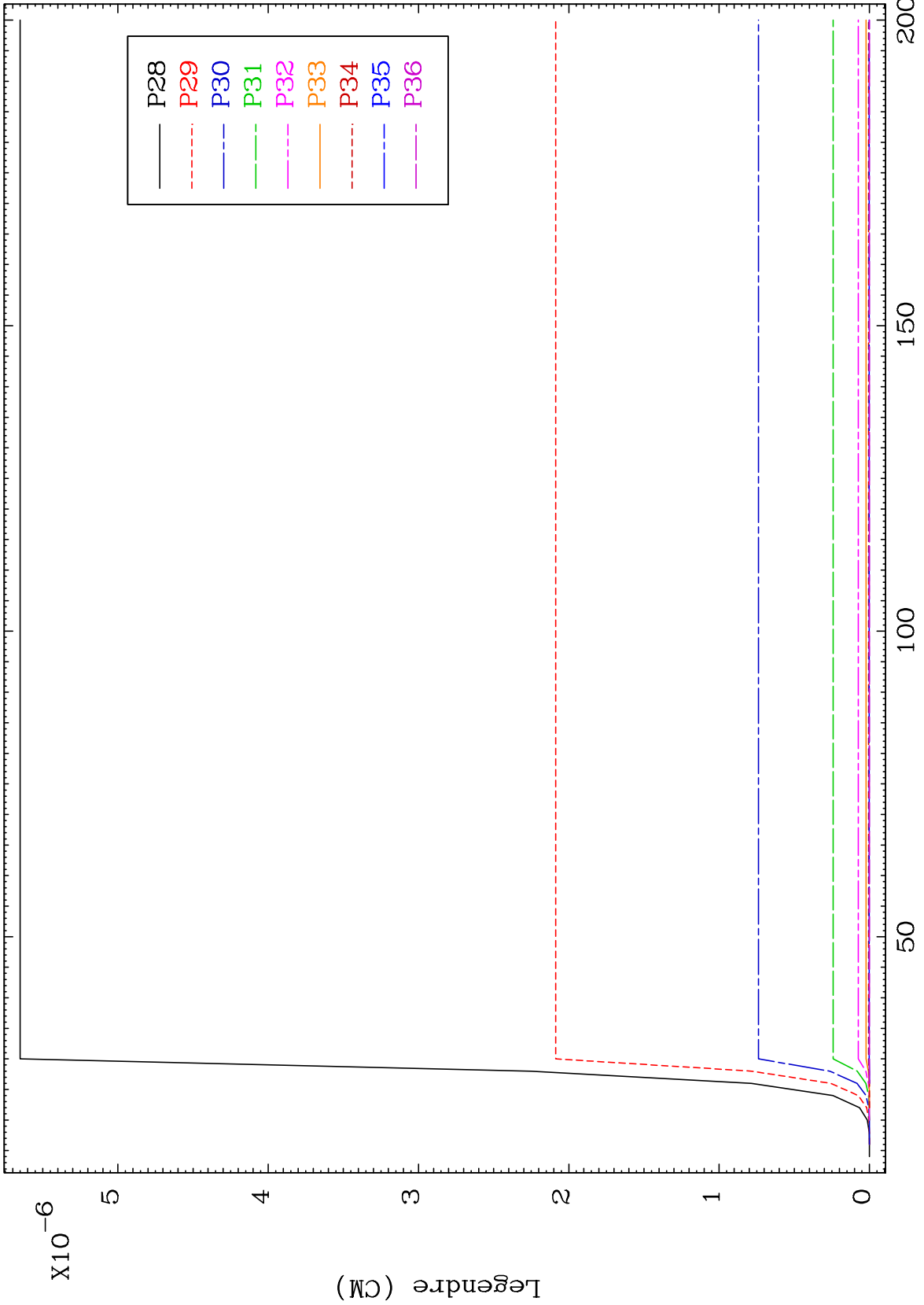
64-Gd-160



MAT 6449

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

64-Gd-160



77

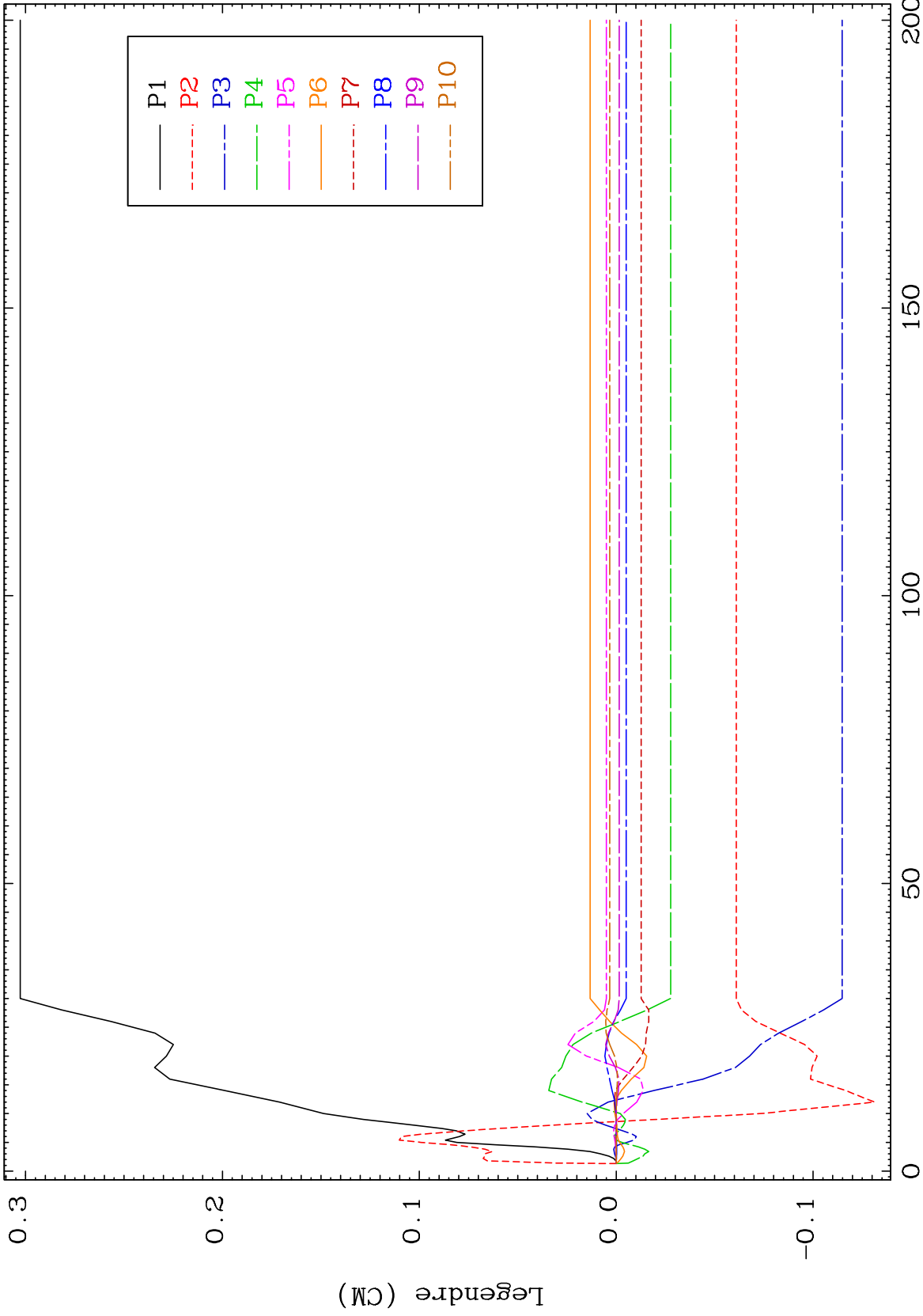
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



78

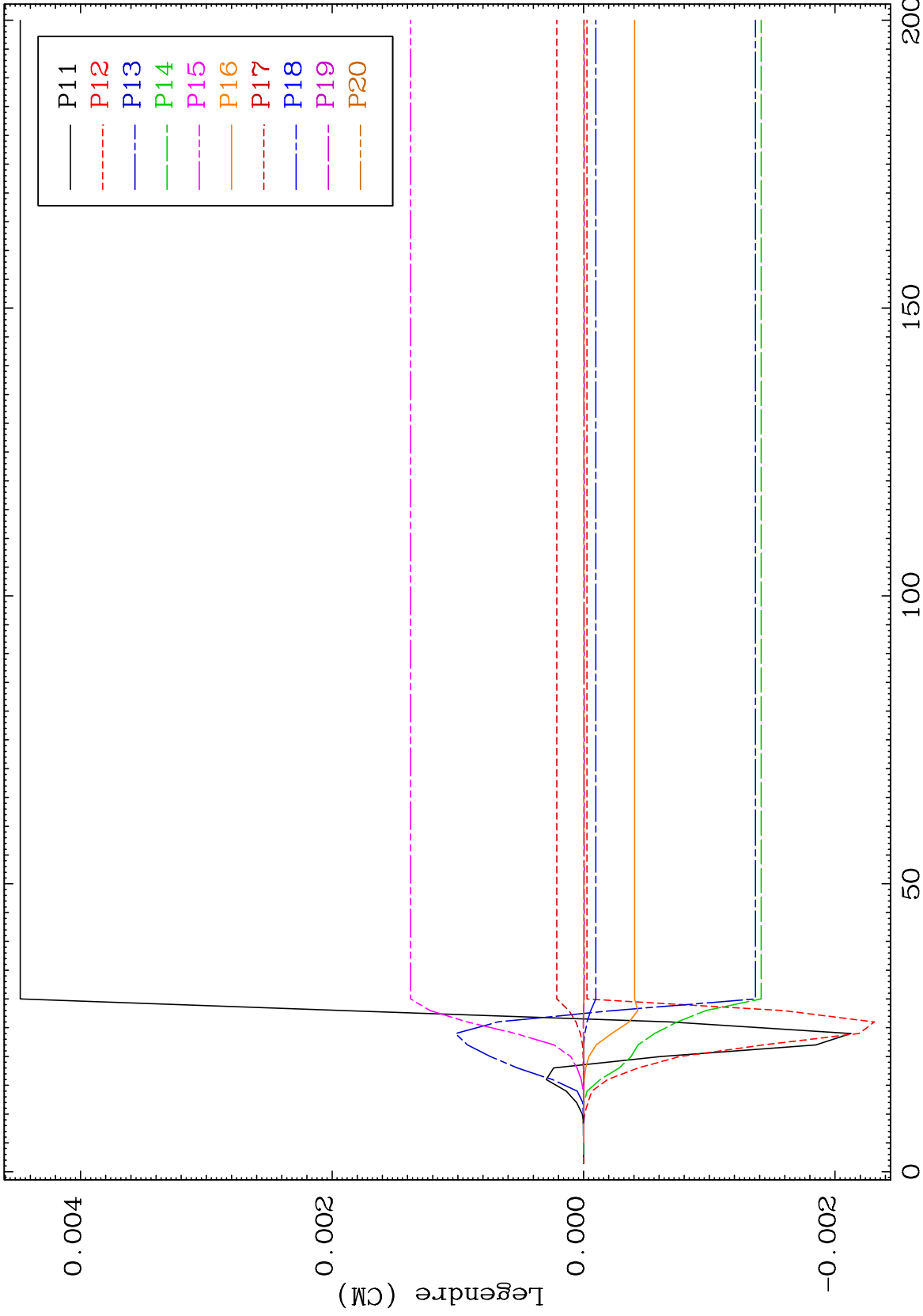
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



79

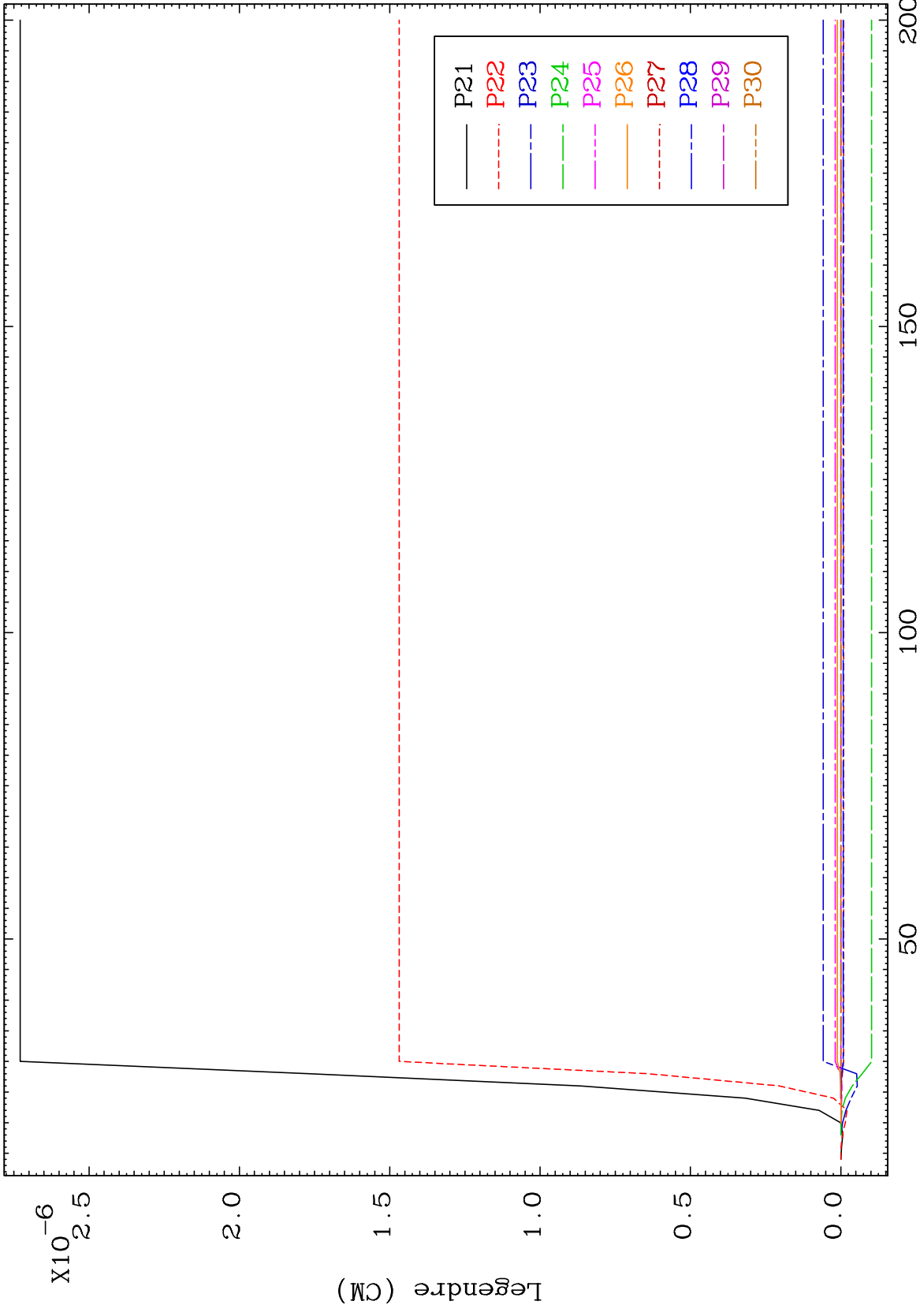
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160

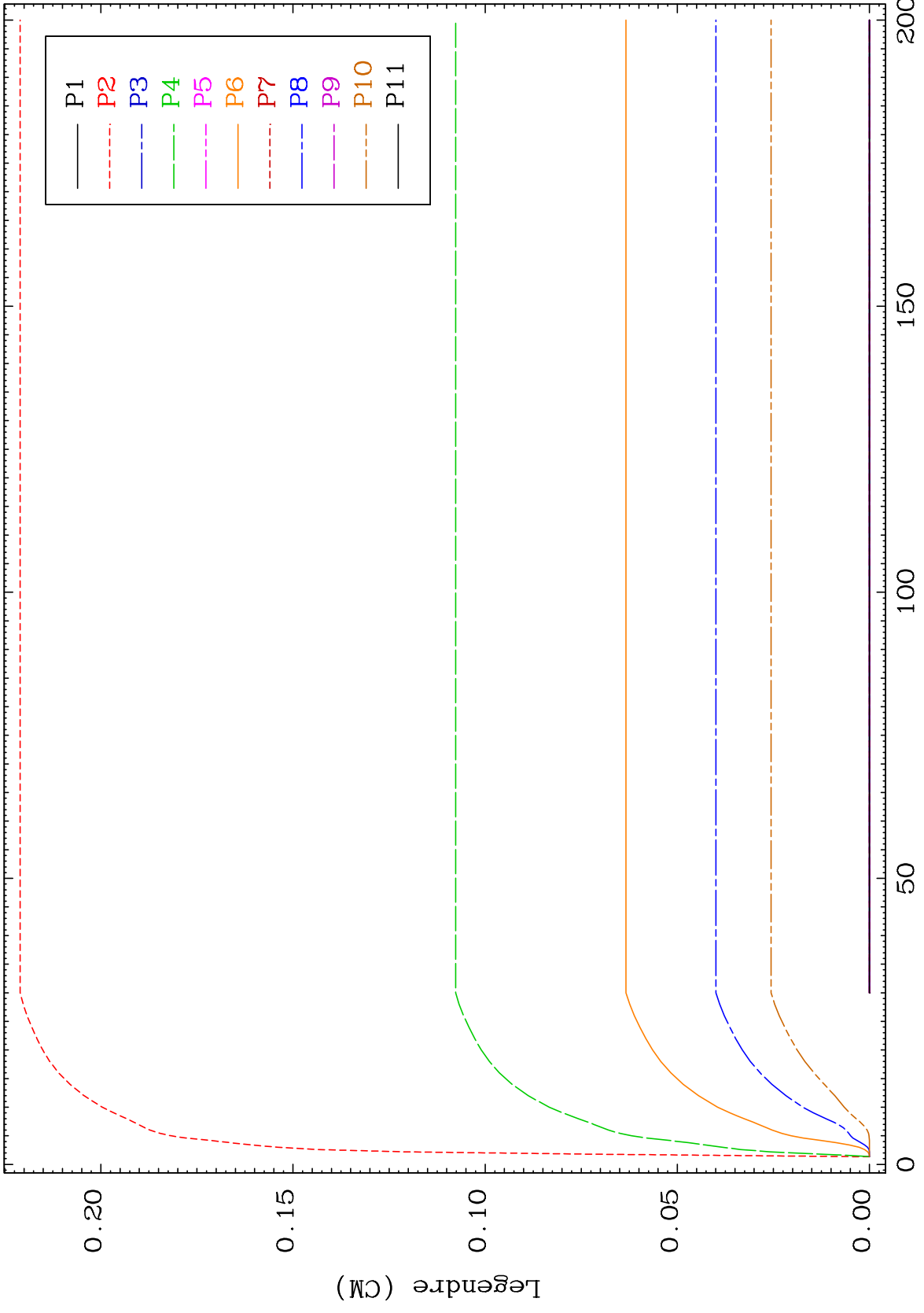


80

Incident Energy (MeV)

64-Gd-160

MAT 6449 MT= 68 (n,n') Level Legendre Coefficients 64-Gd-160

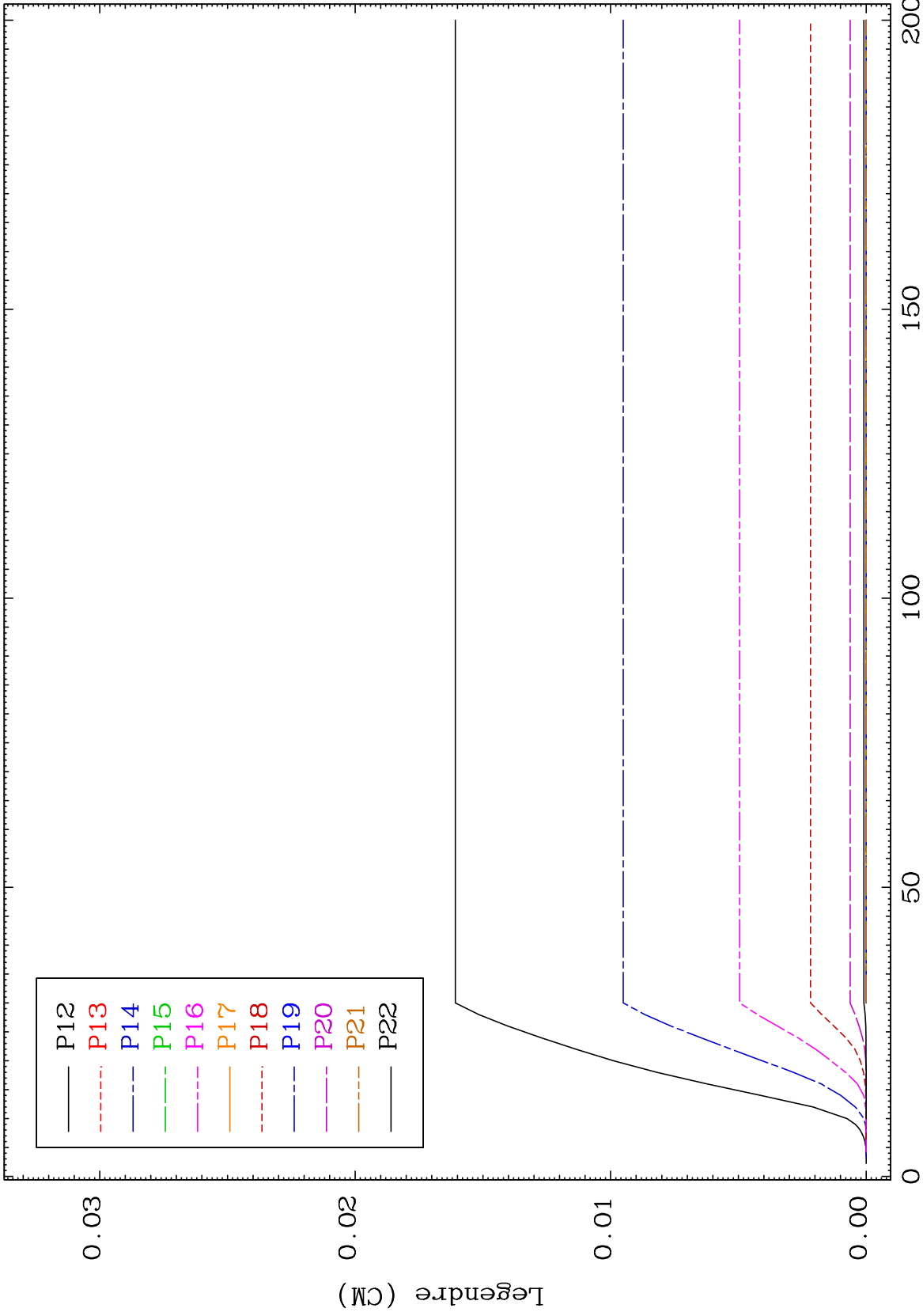


81 64-Gd-160

MAT 6449

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

64-Gd-160

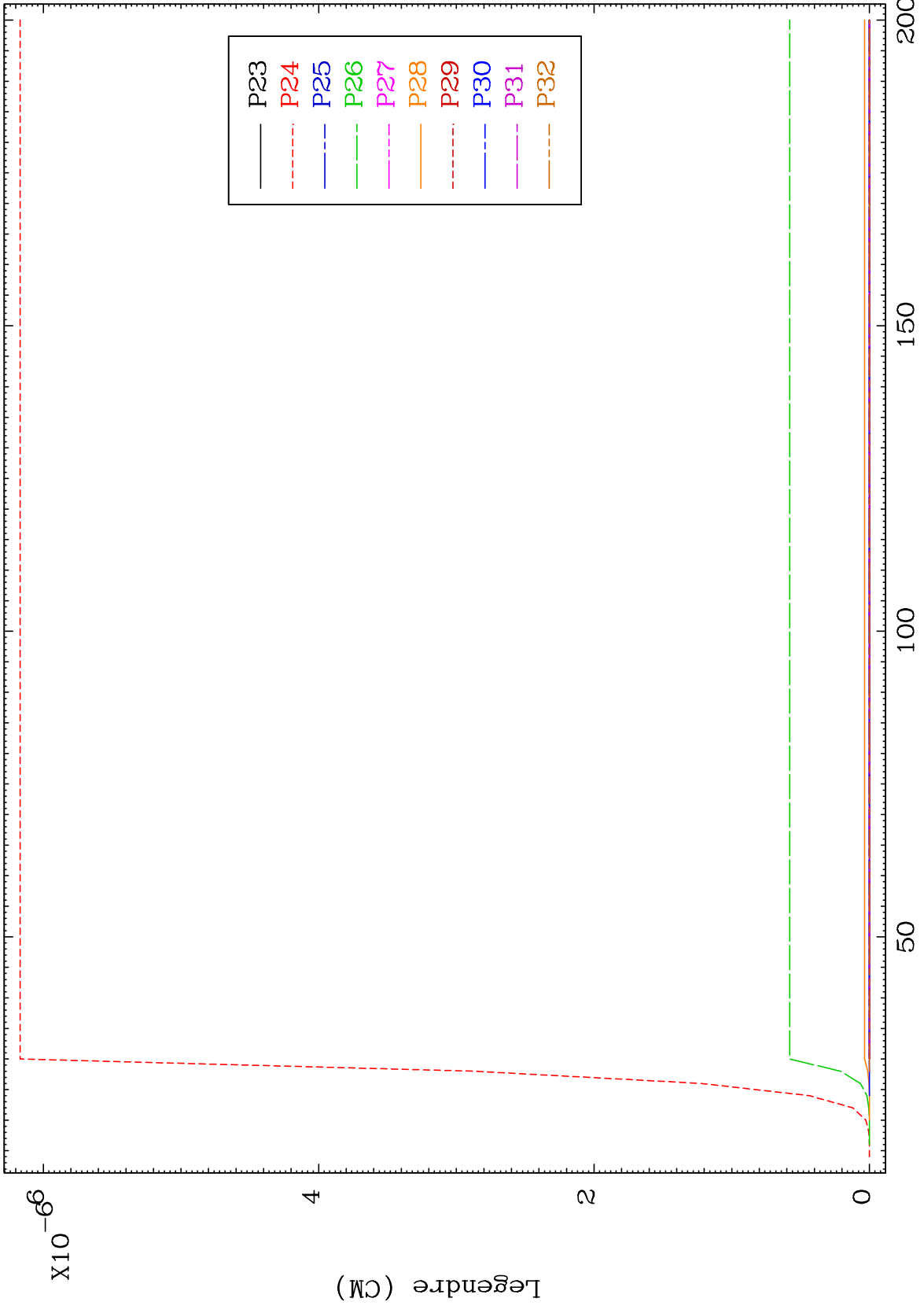


82

Incident Energy (MeV)

64-Gd-160

MAT 6449 MT= 68 (n,n') Level Legendre Coefficients 64-Gd-160

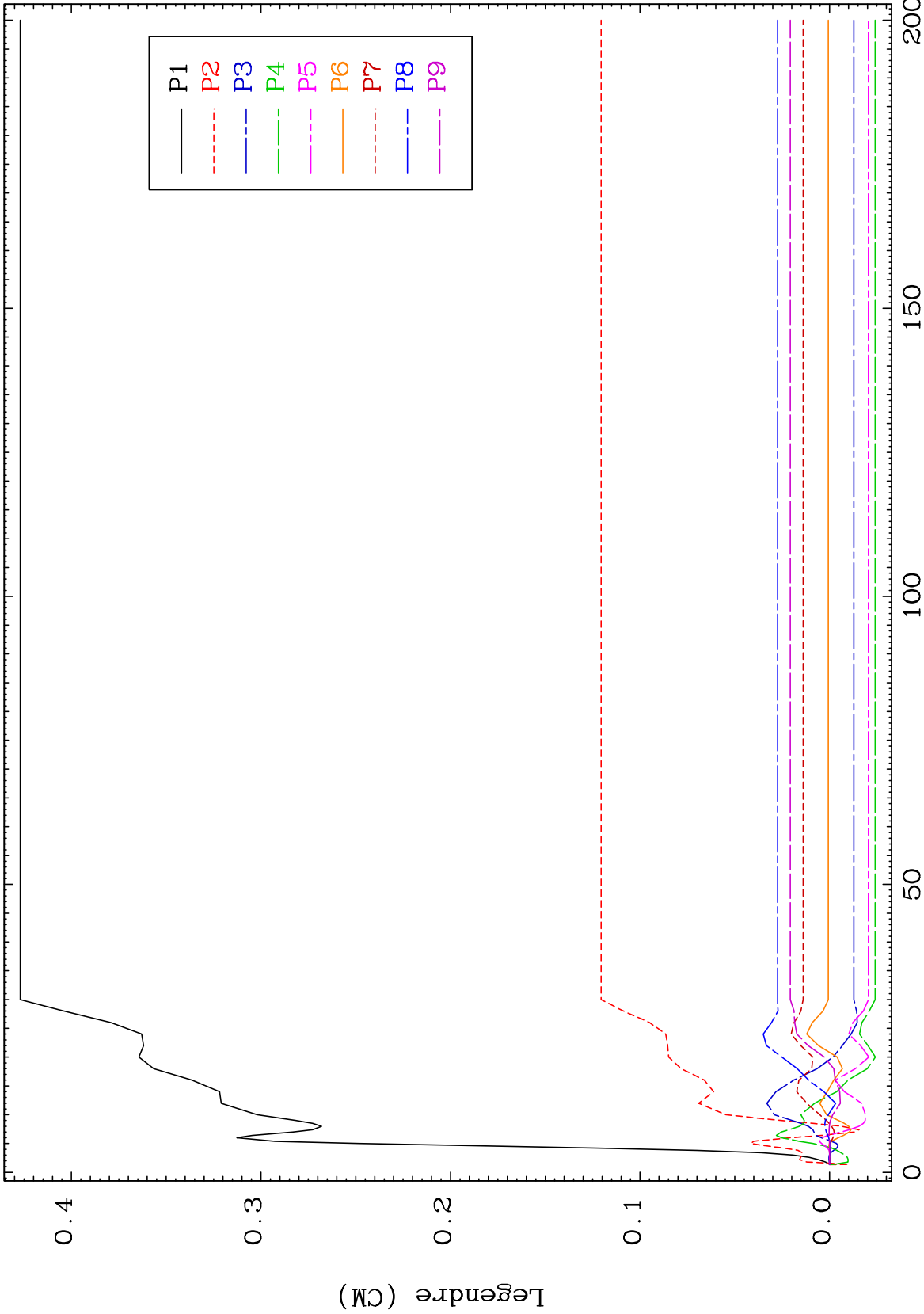


83 64-Gd-160

MAT 6449

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

64-Gd-160



84

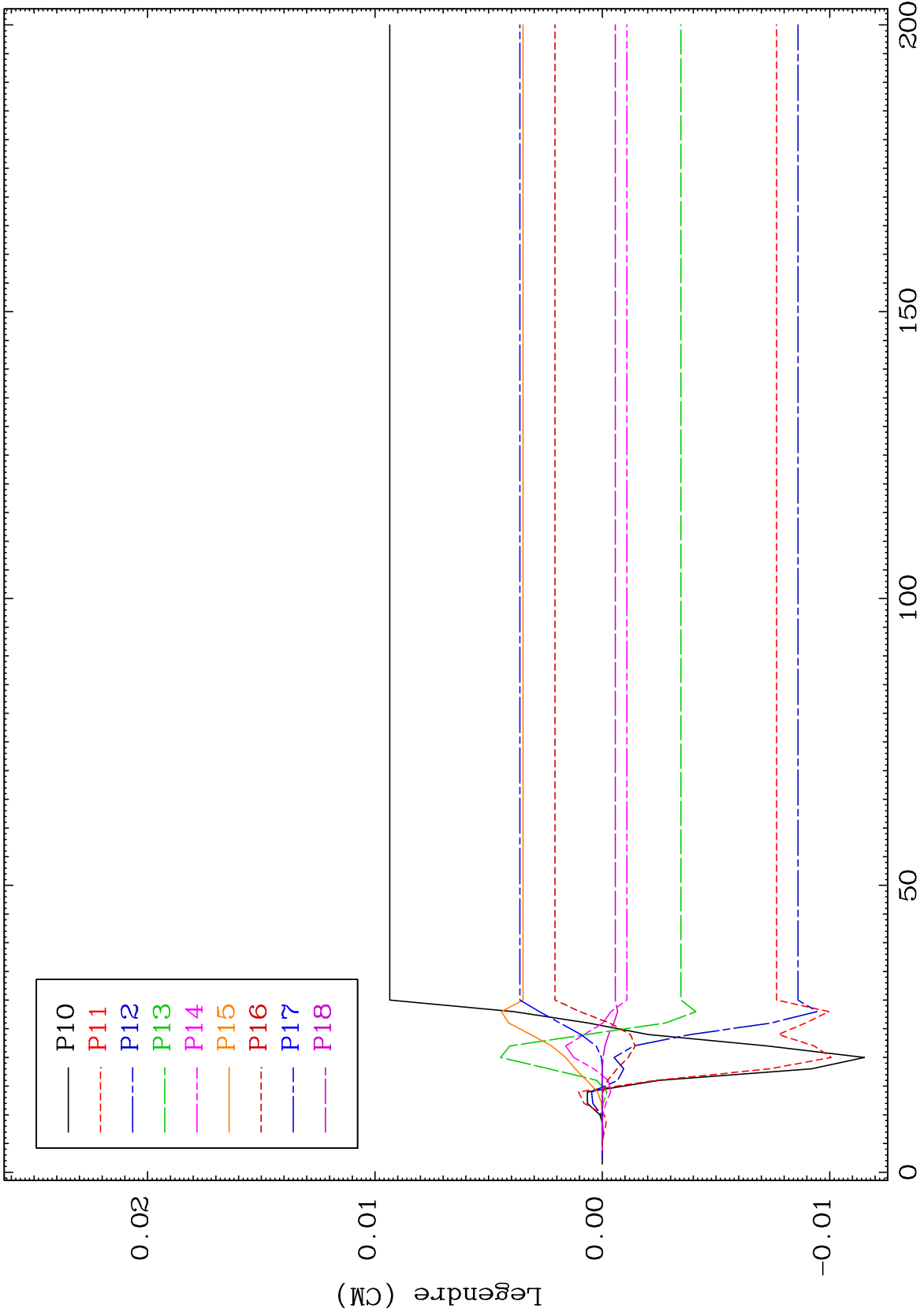
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160

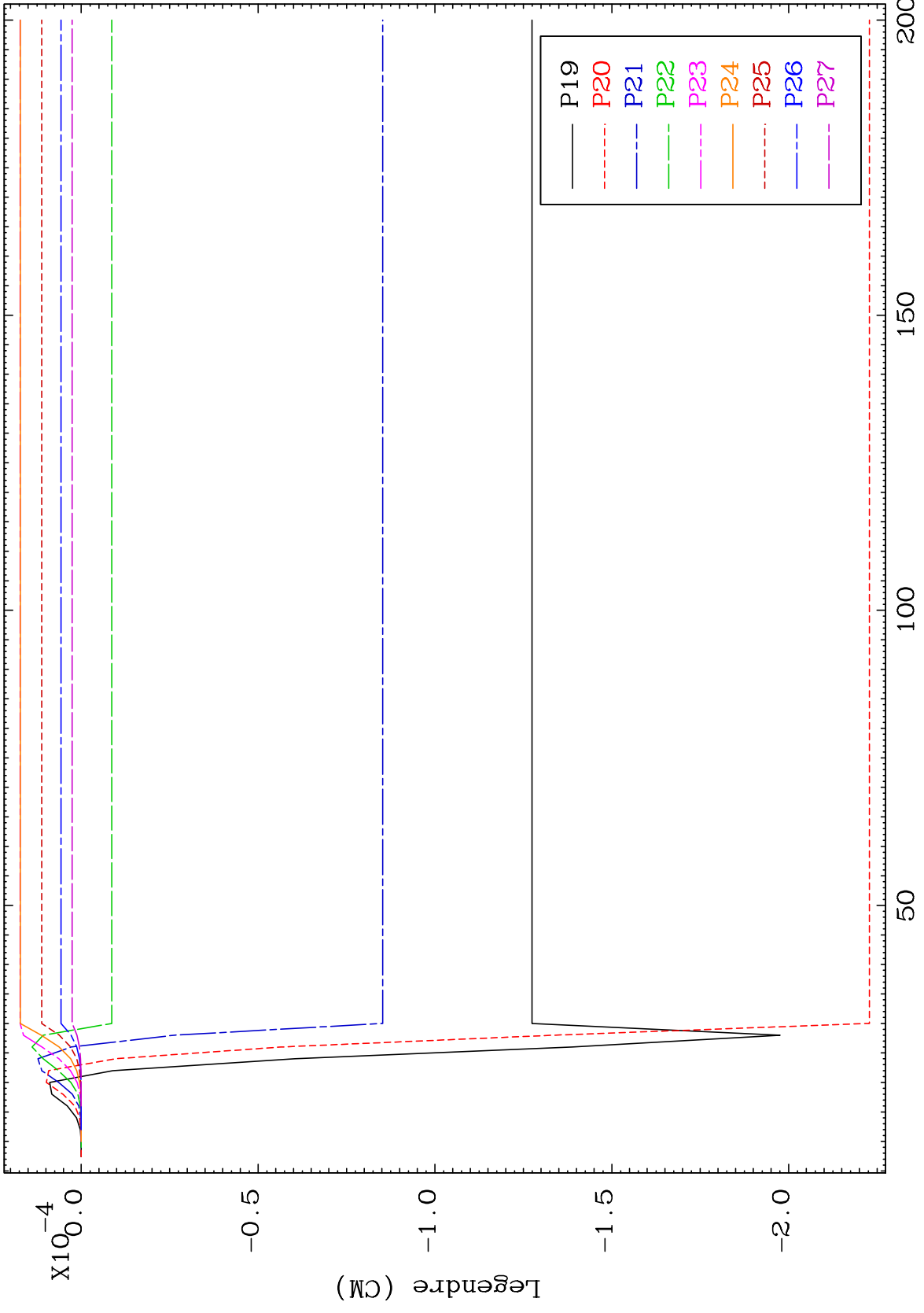


85

Incident Energy (MeV)

64-Gd-160

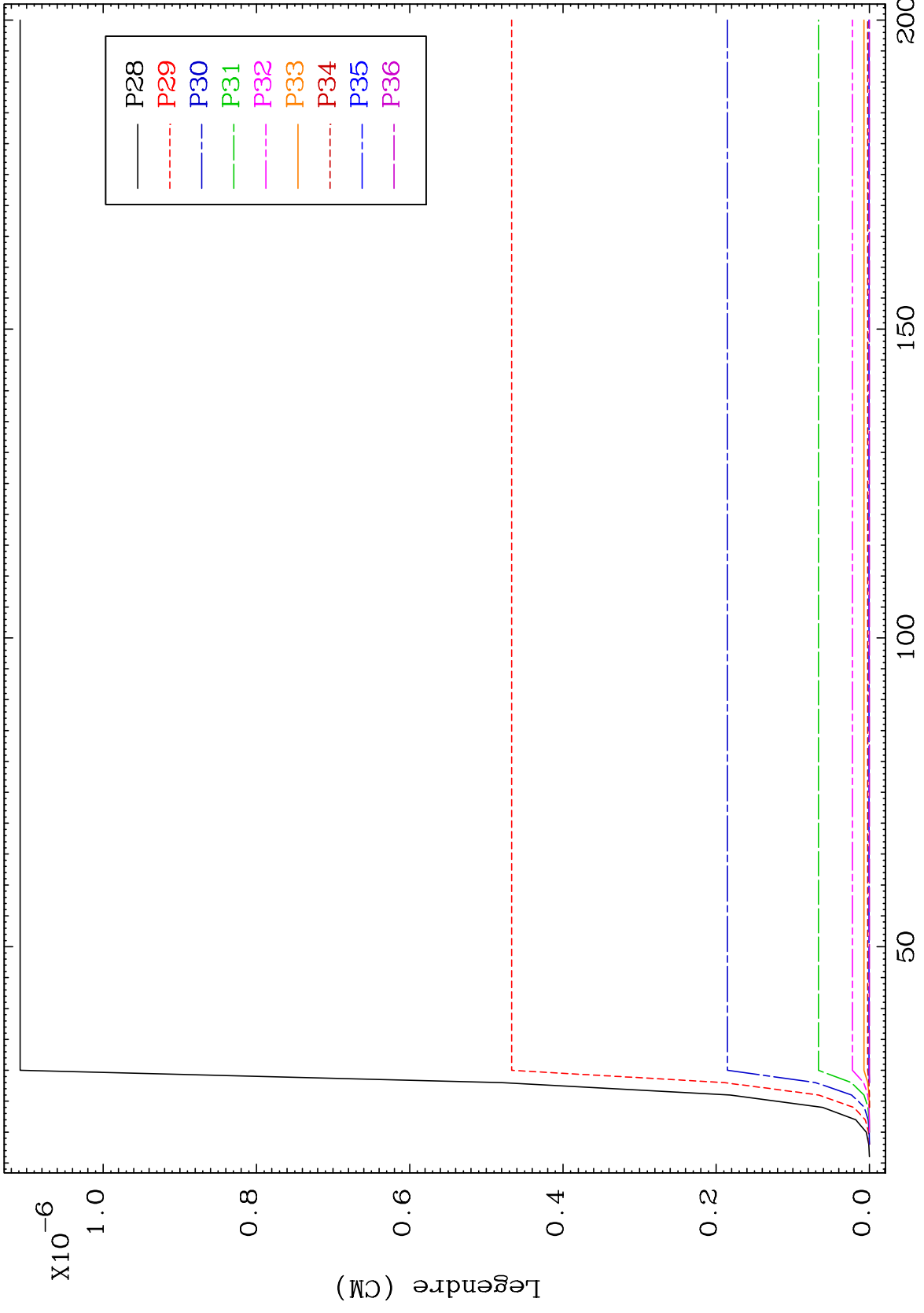
MAT 6449 MT= 69 (n,n') Level Legendre Coefficients 64-Gd-160



MAT 6449

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

64-Gd-160

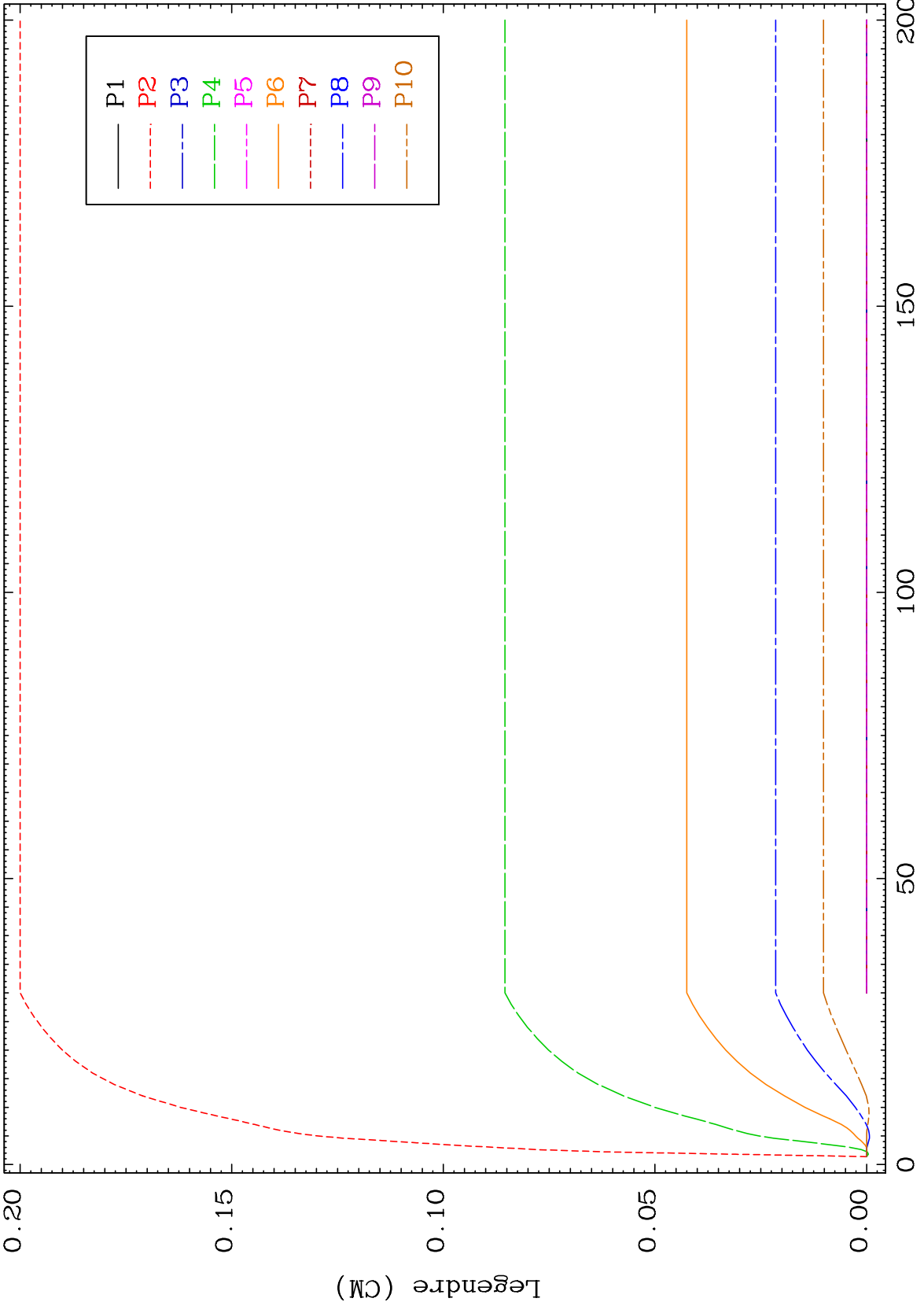


87

Incident Energy (MeV)

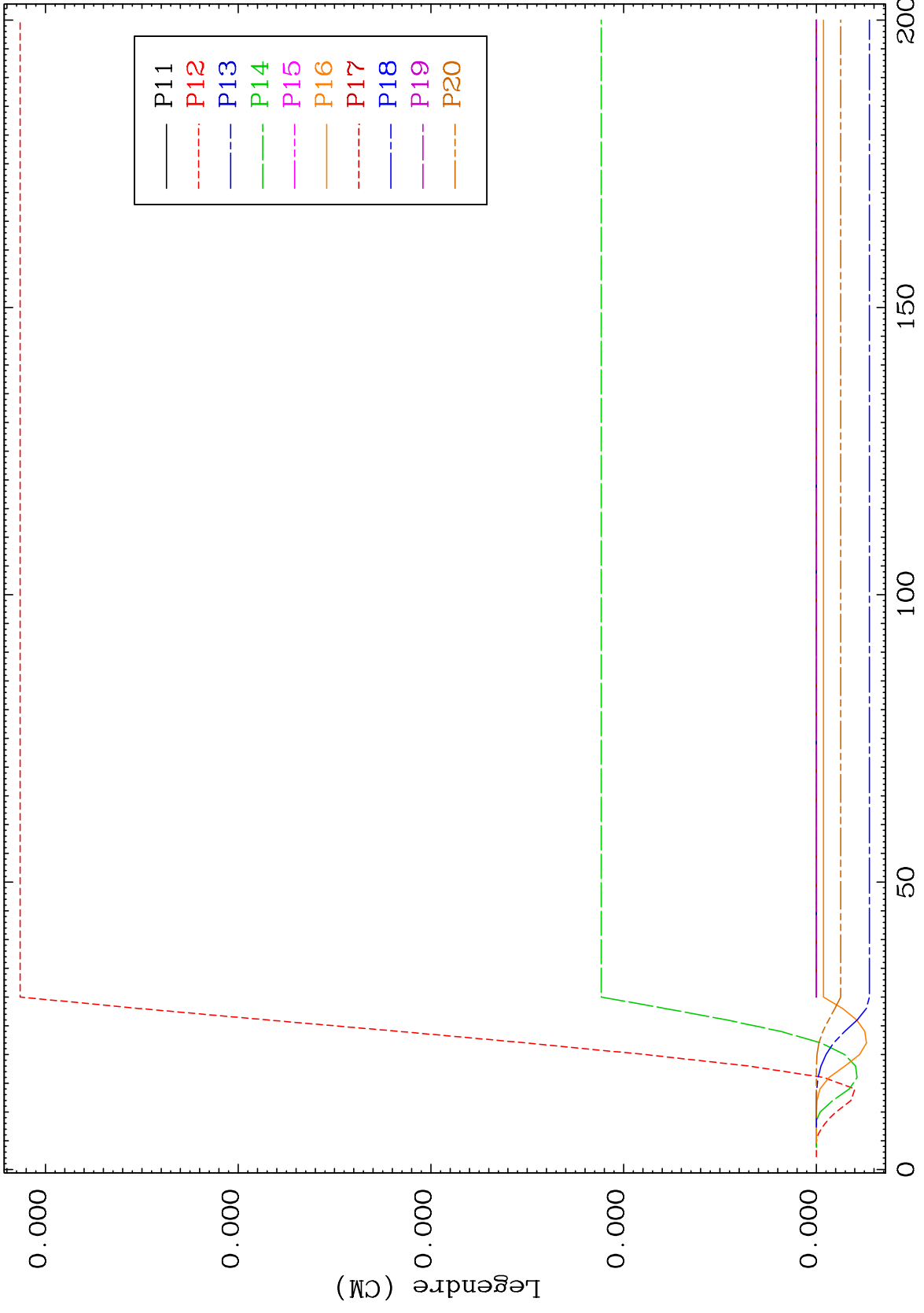
64-Gd-160

MAT 6449 MT= 70 (n,n') Level Legendre Coefficients 64-Gd-160



88 64-Gd-160

MAT 6449 MT= 70 (n,n') Level Legendre Coefficients 64-Gd-160

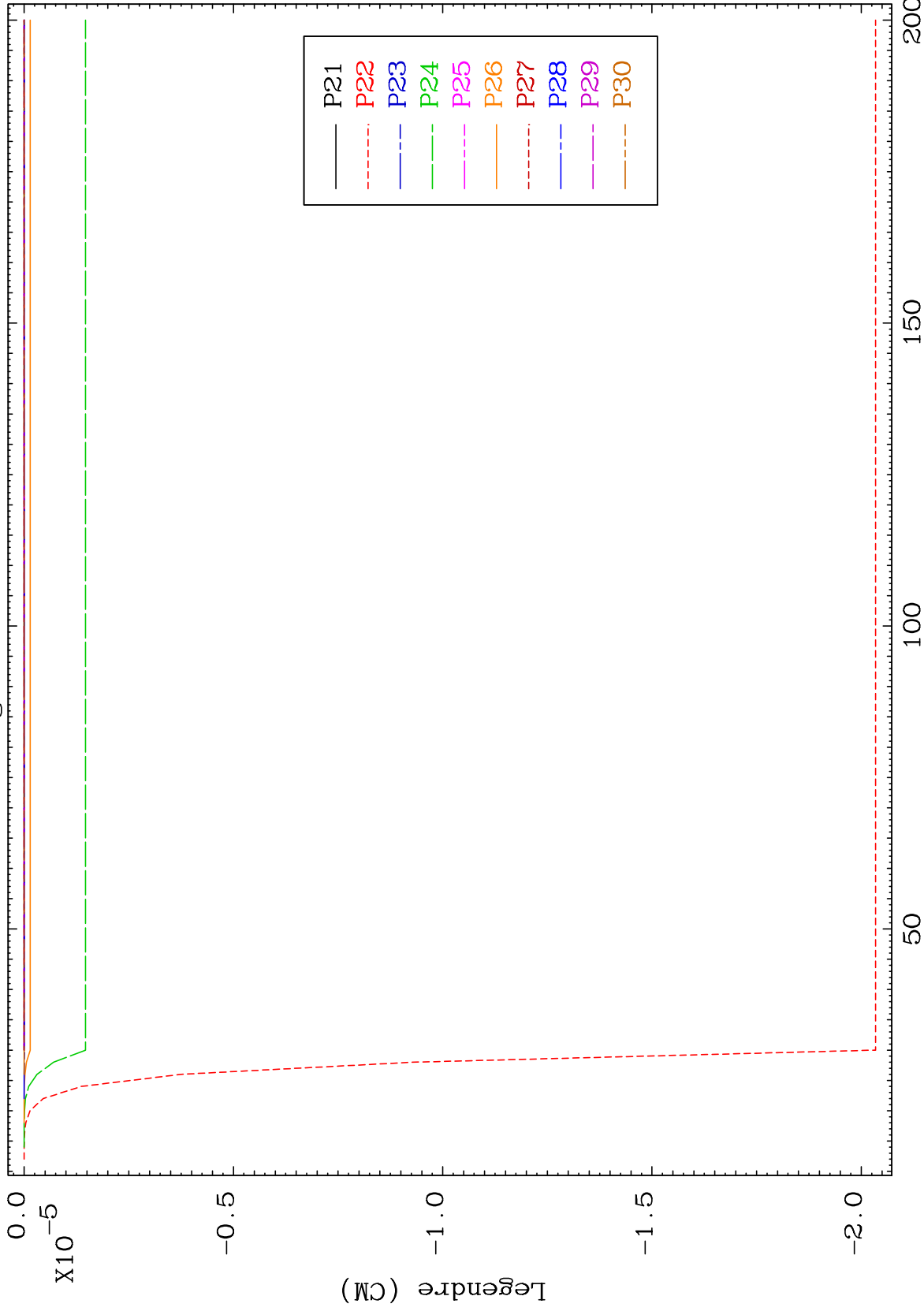


89 64-Gd-160

MAT 6449

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

64-Gd-160



64-Gd-160

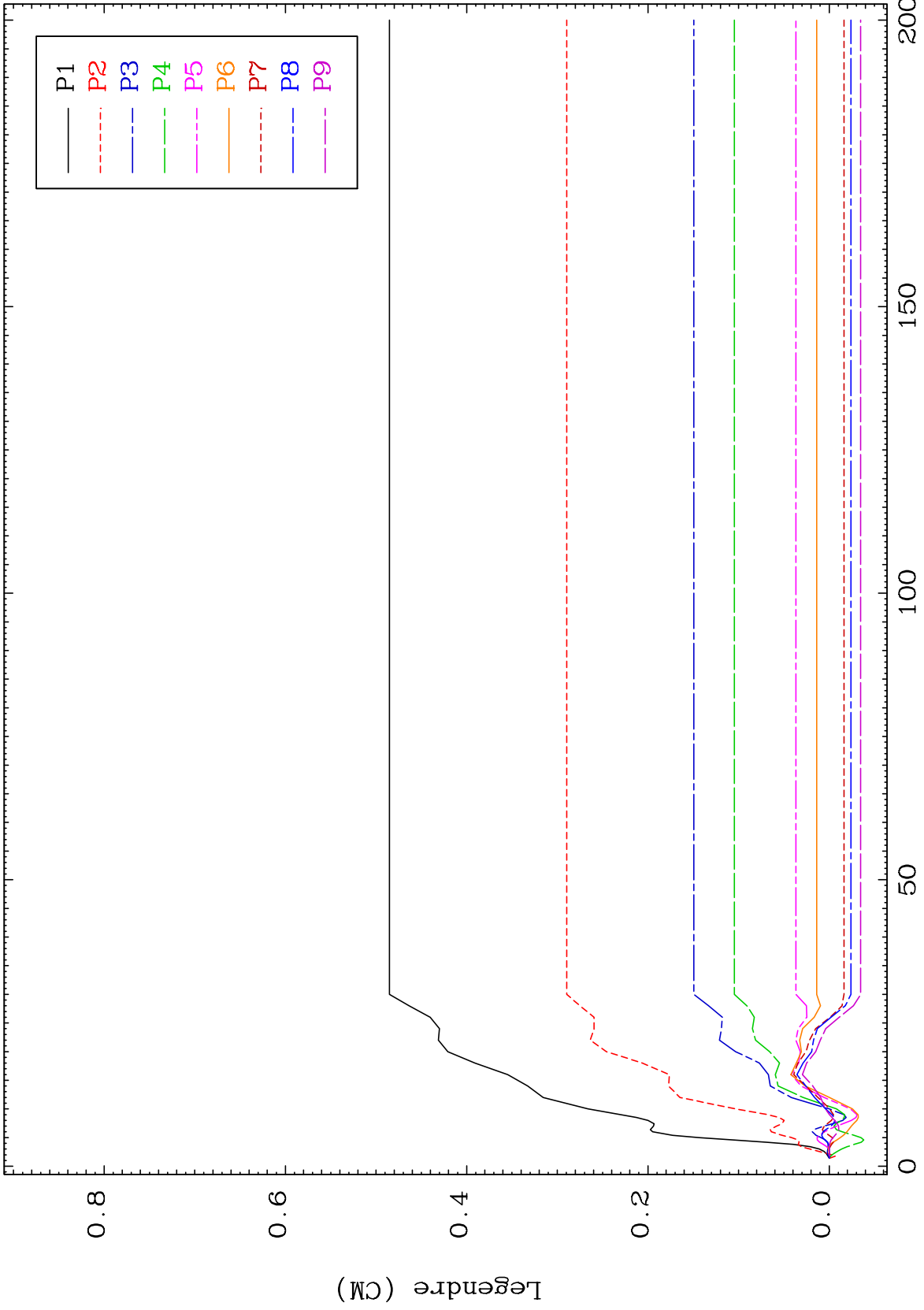
Incident Energy (MeV)

90

MAT 6449

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

64-Gd-160



91

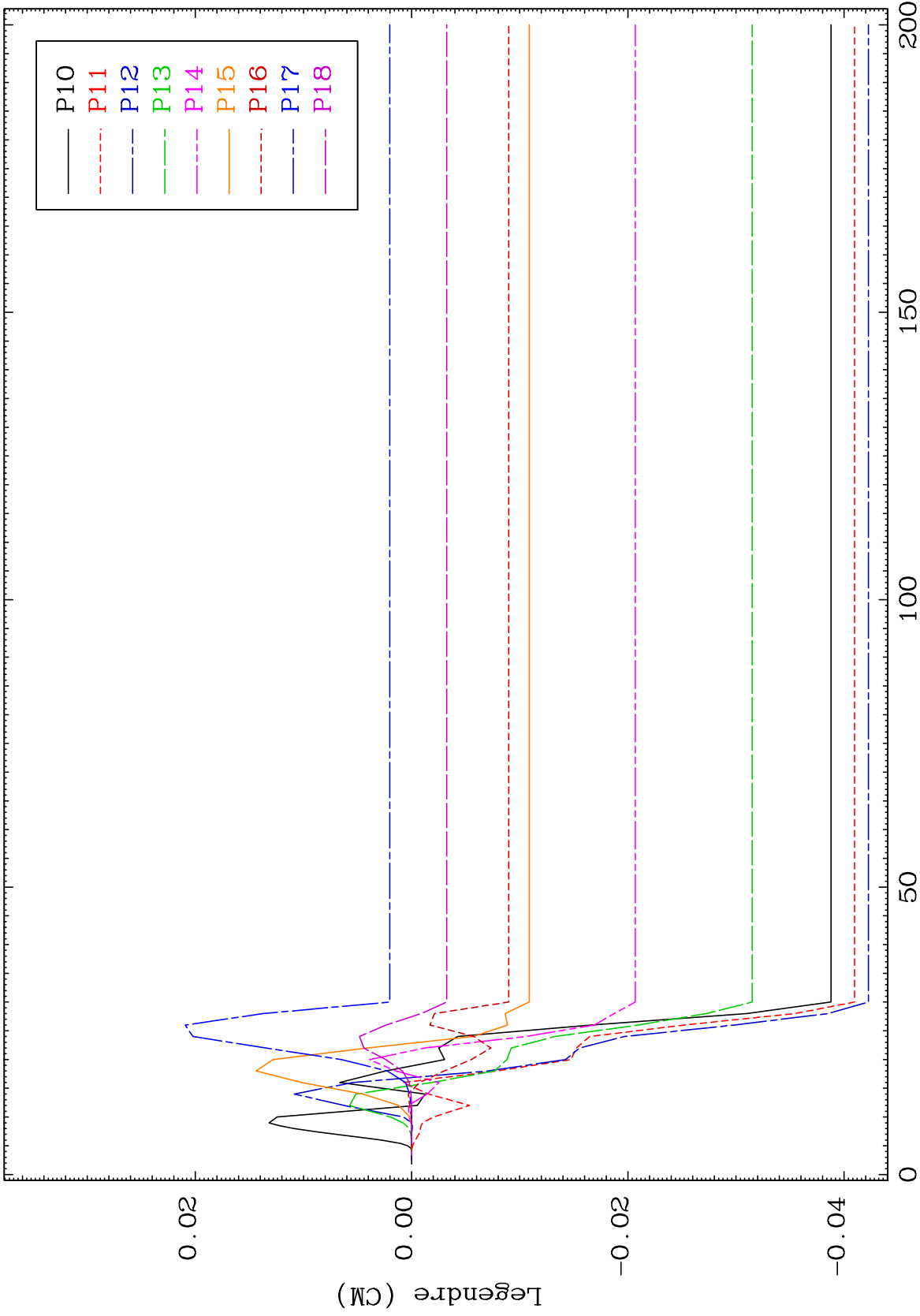
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



92

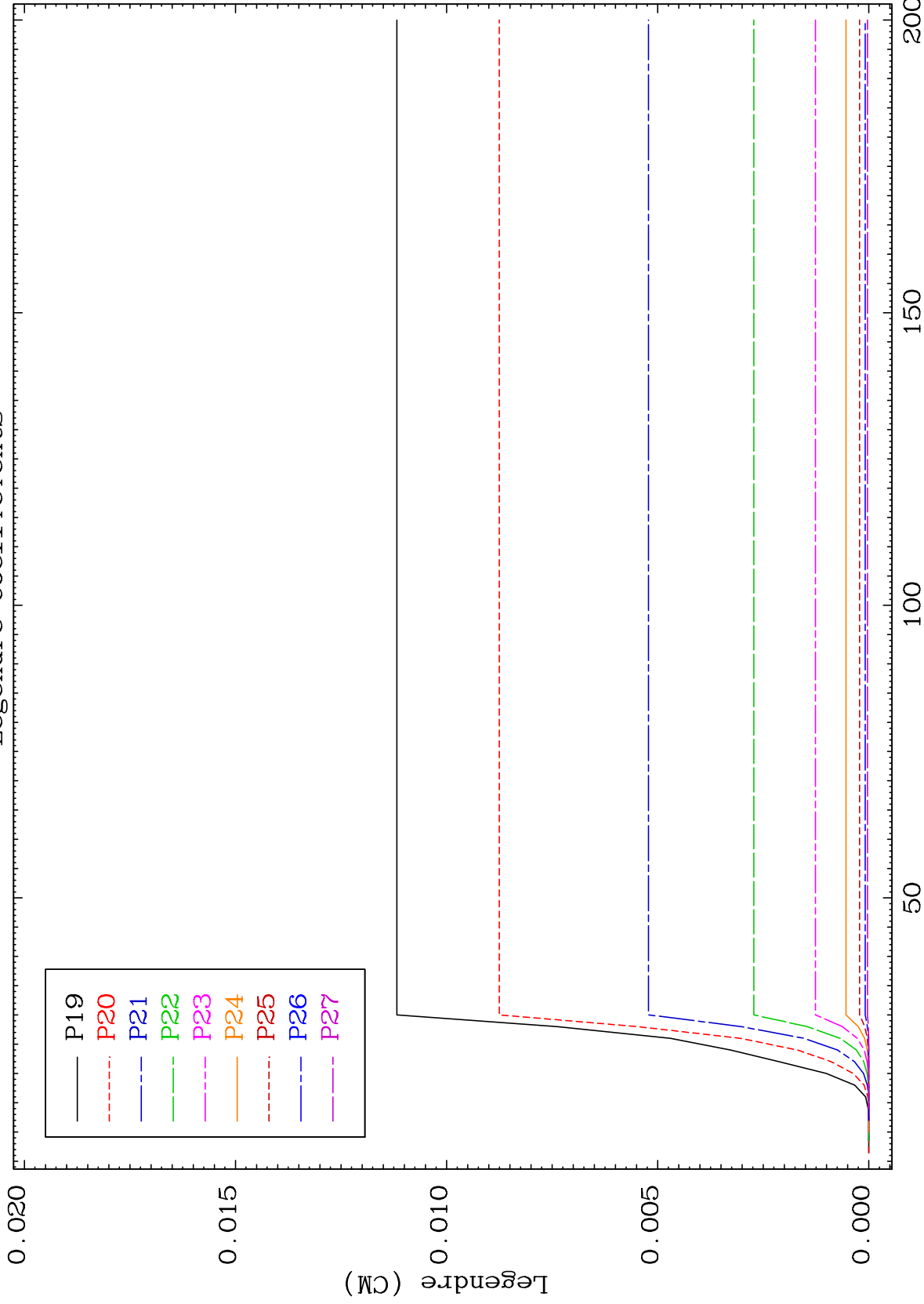
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



93

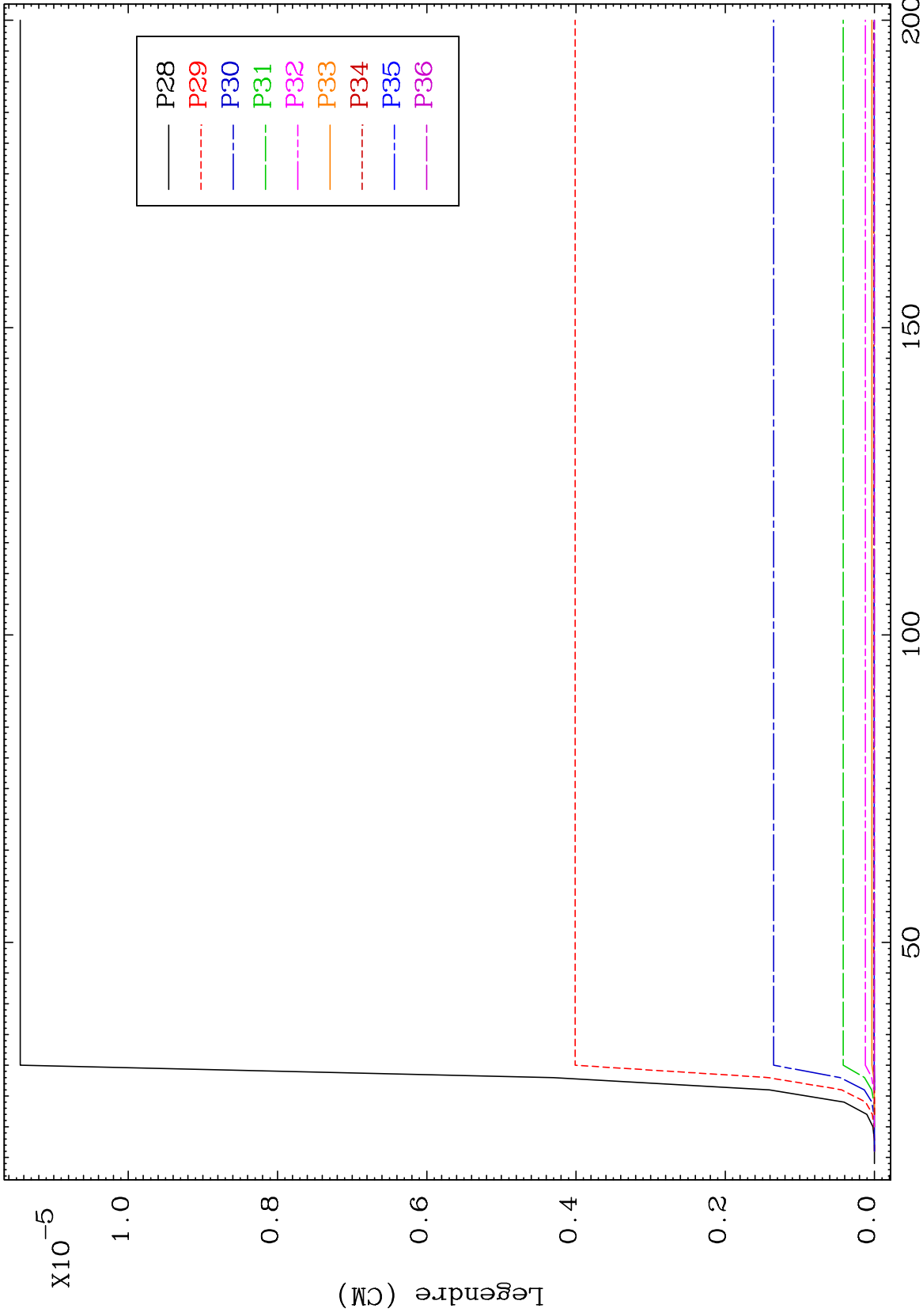
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



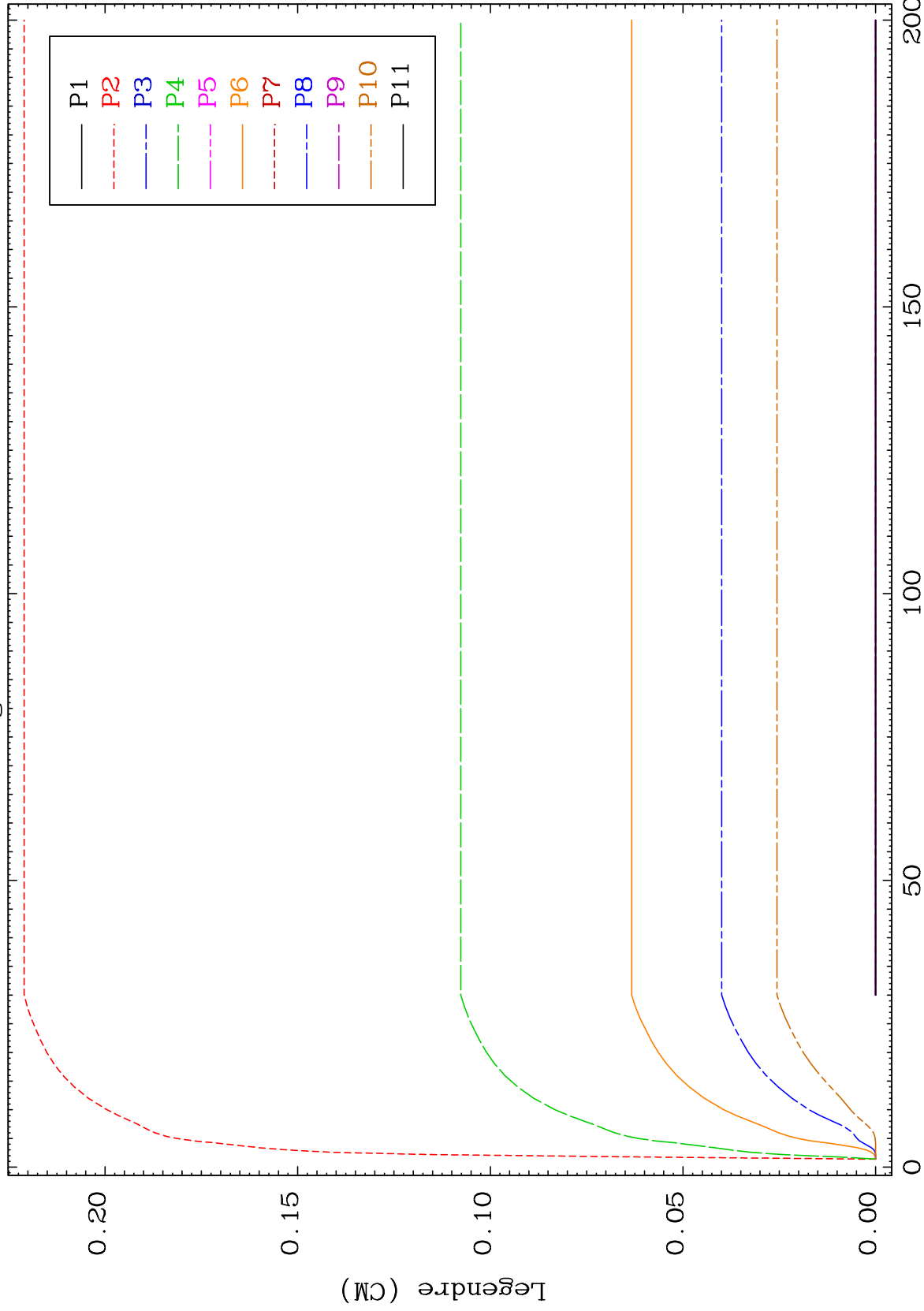
94

64-Gd-160

MAT 6449

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

64-Gd-160



95

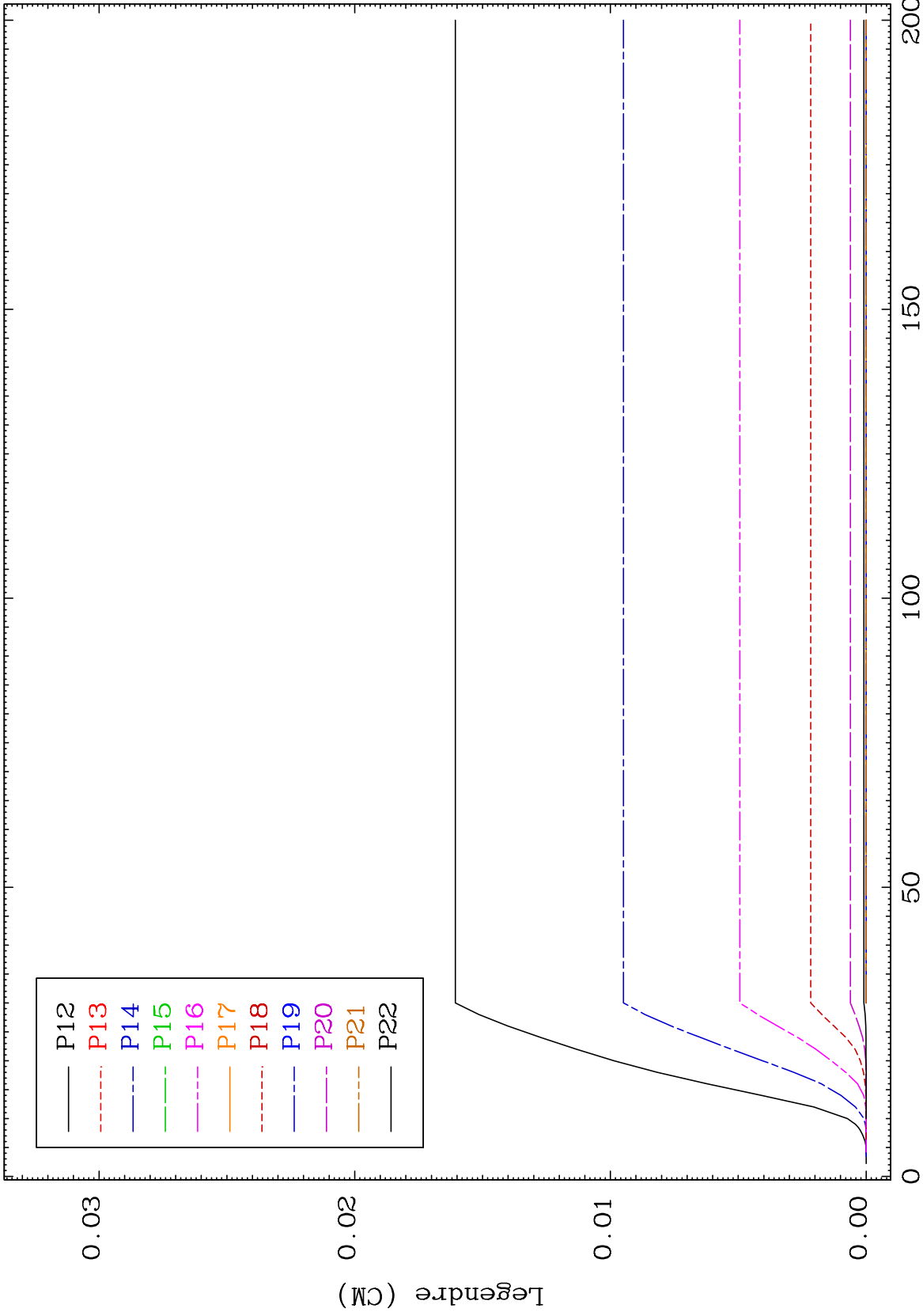
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160

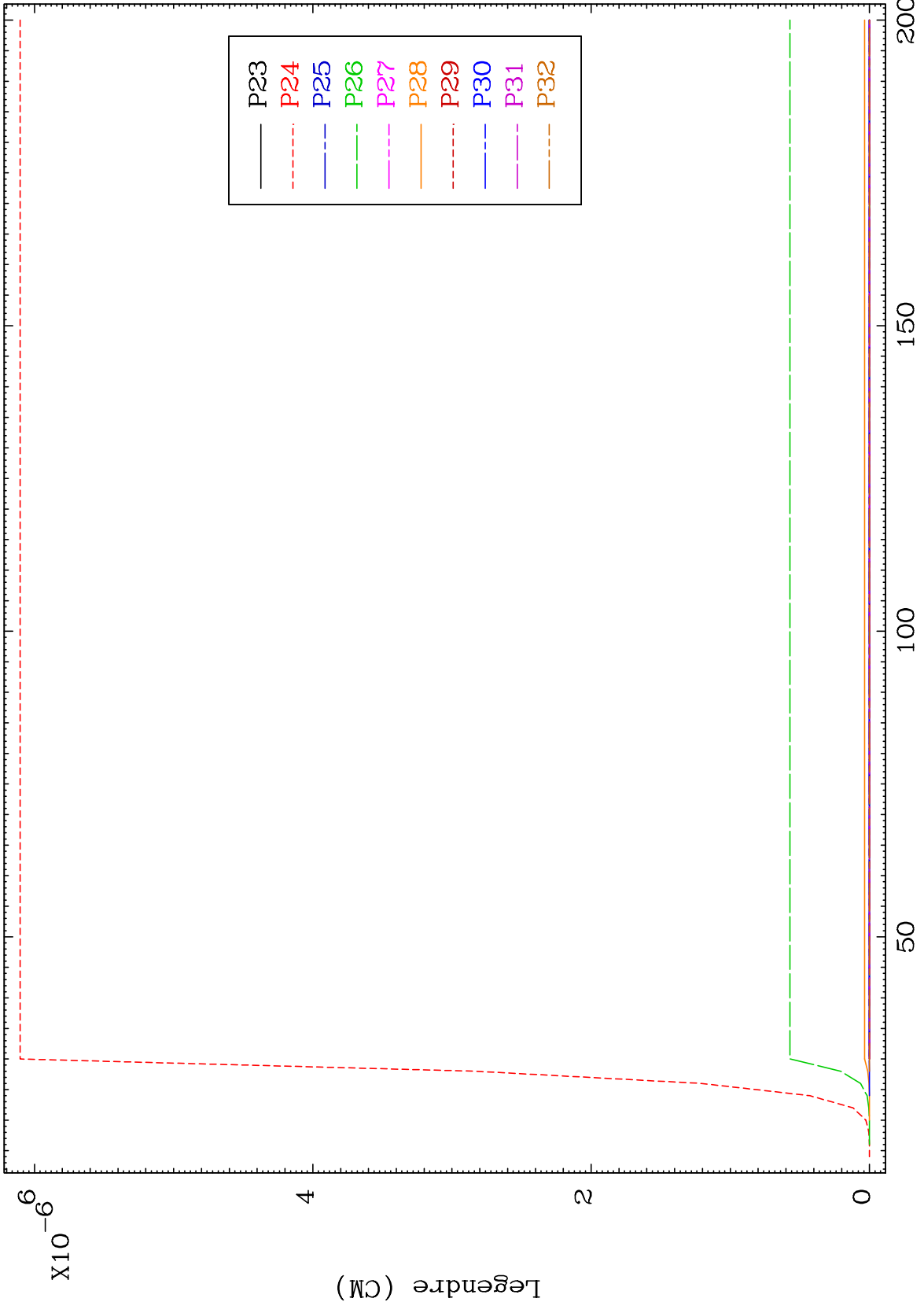


96

Incident Energy (MeV)

64-Gd-160

MAT 6449 MT= 72 (n,n') Level Legendre Coefficients 64-Gd-160

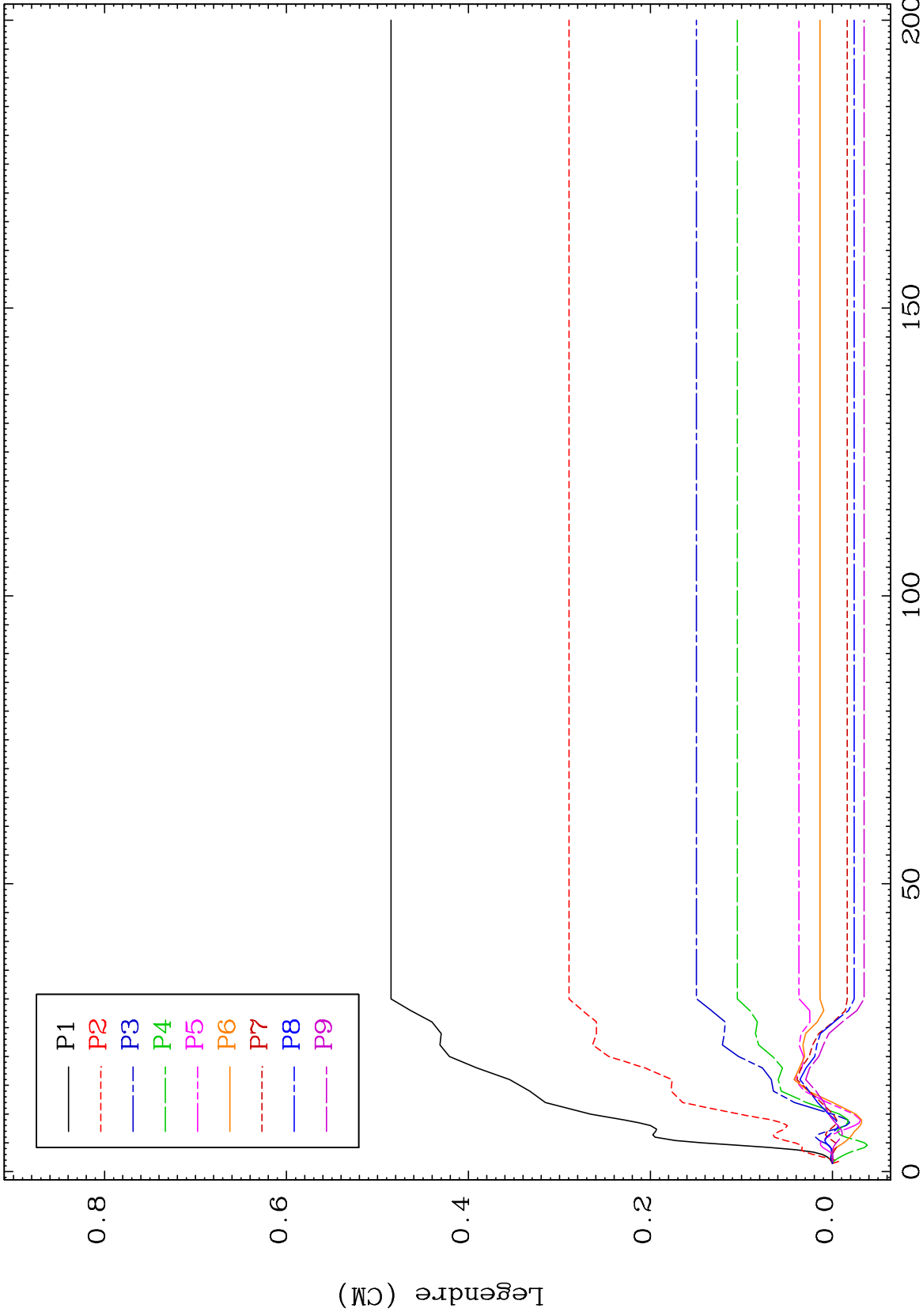


97 64-Gd-160

MAT 6449

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

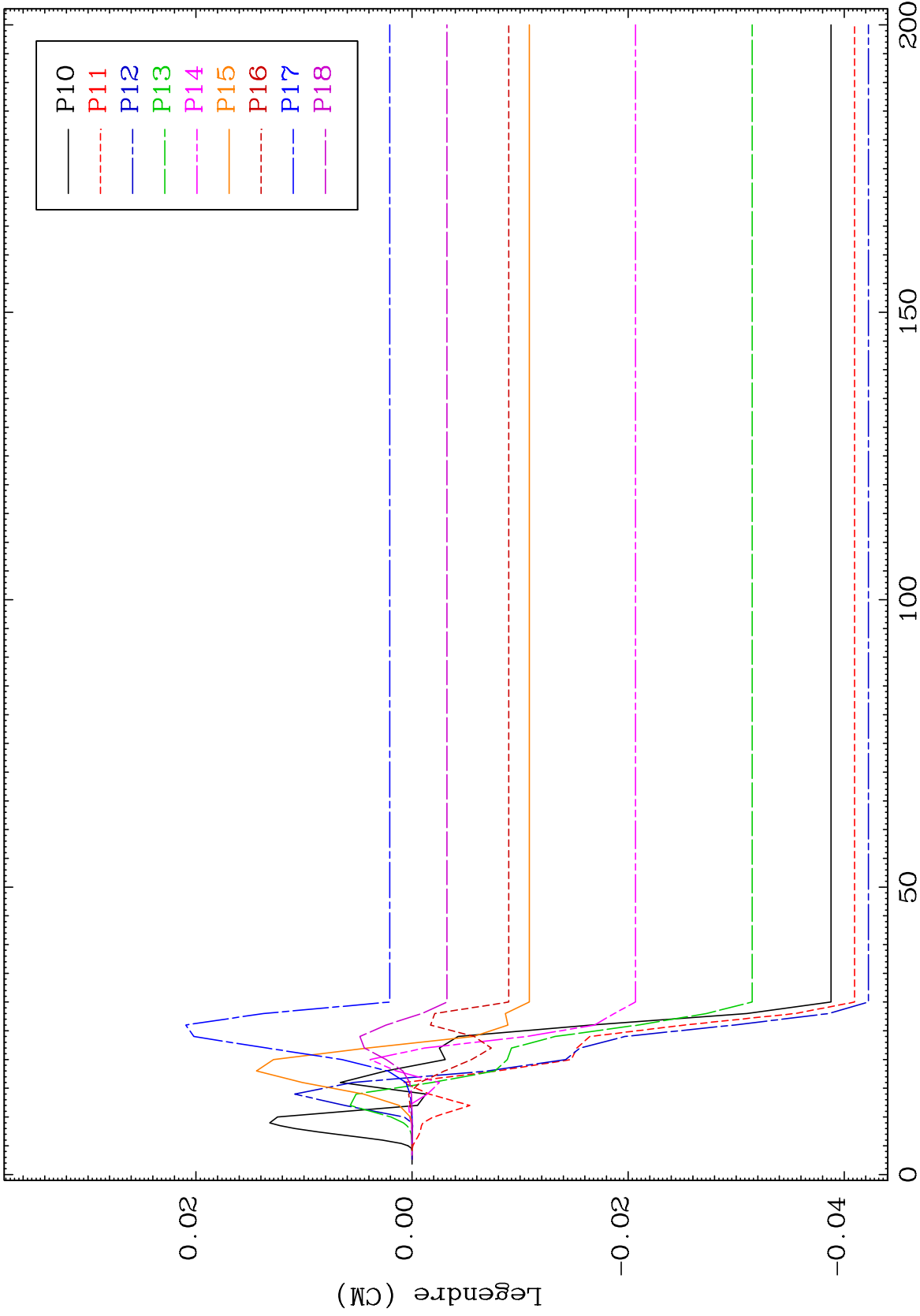
64-Gd-160



MAT 6449

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

64-Gd-160



99

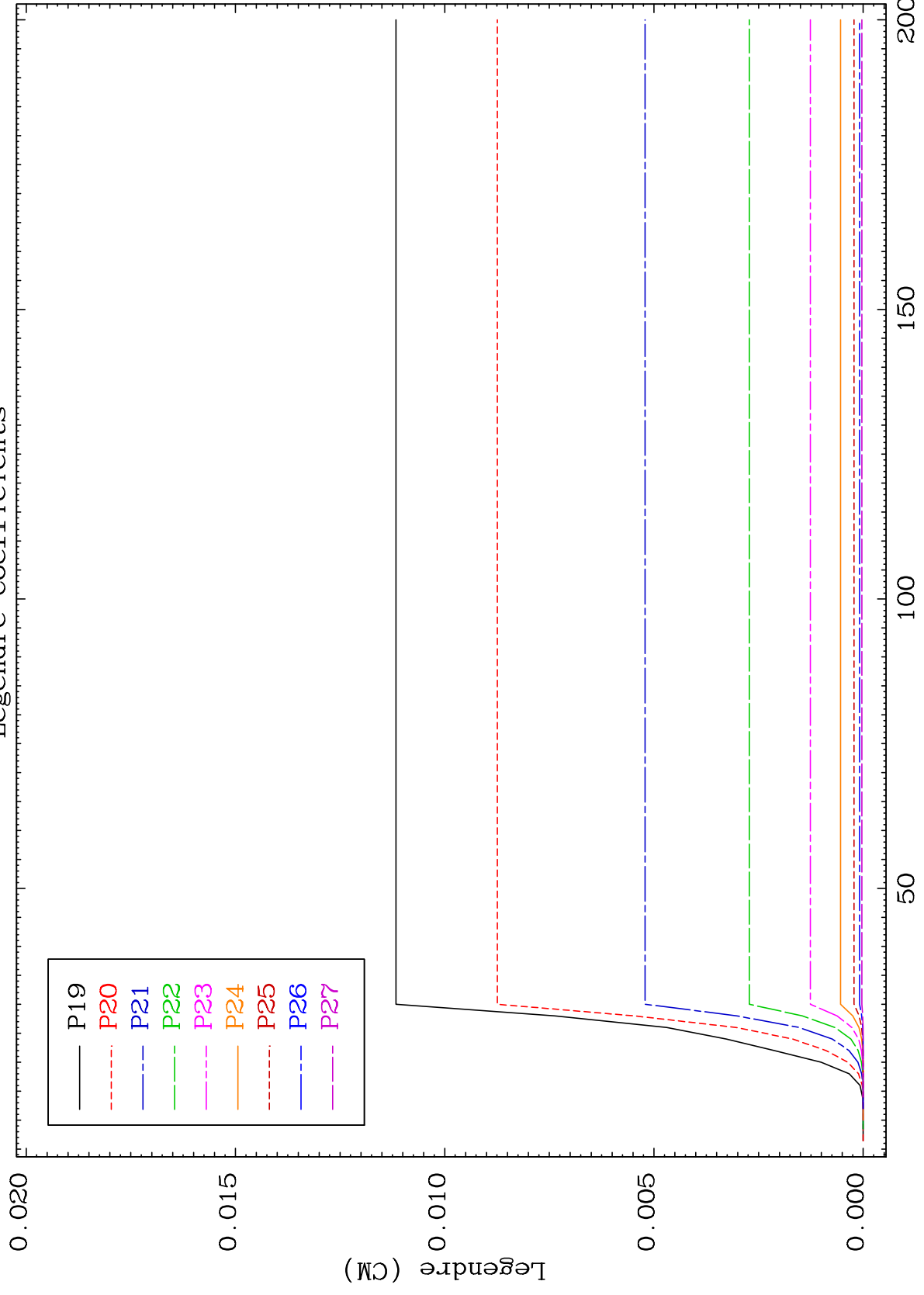
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



64-Gd-160

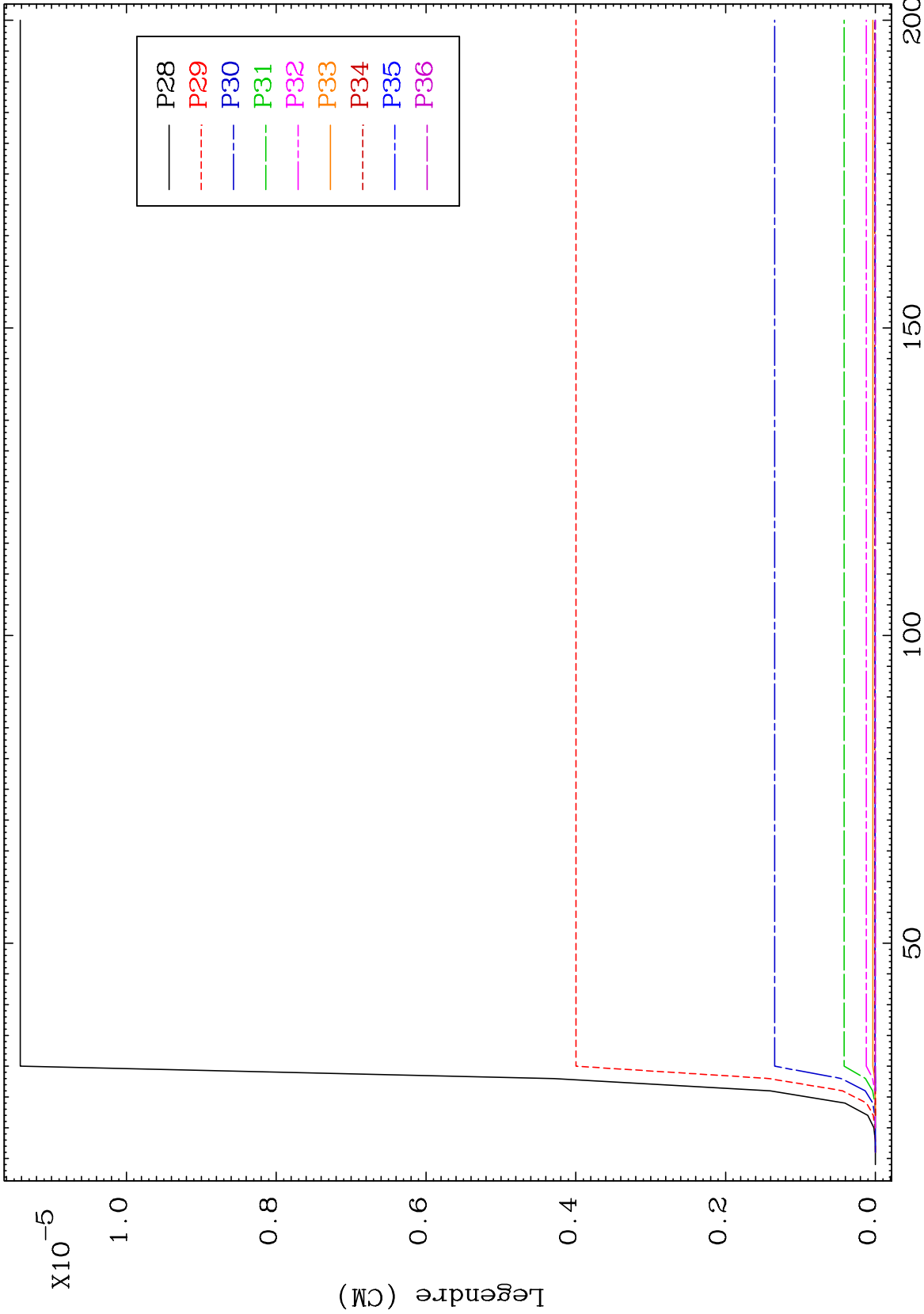
Incident Energy (MeV)

100

MAT 6449

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

64-Gd-160



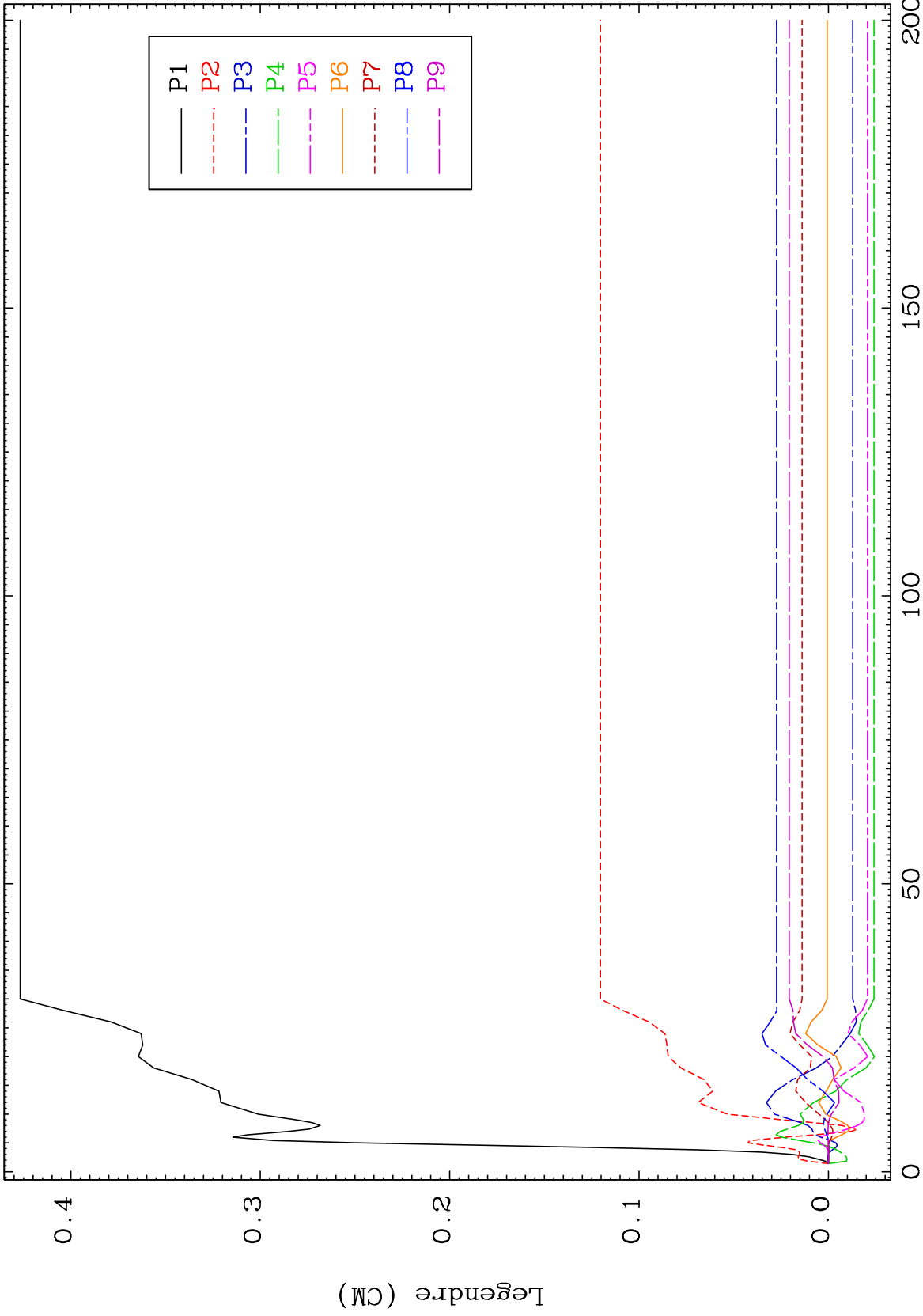
101

64-Gd-160

MAT 6449

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

64-Gd-160



102

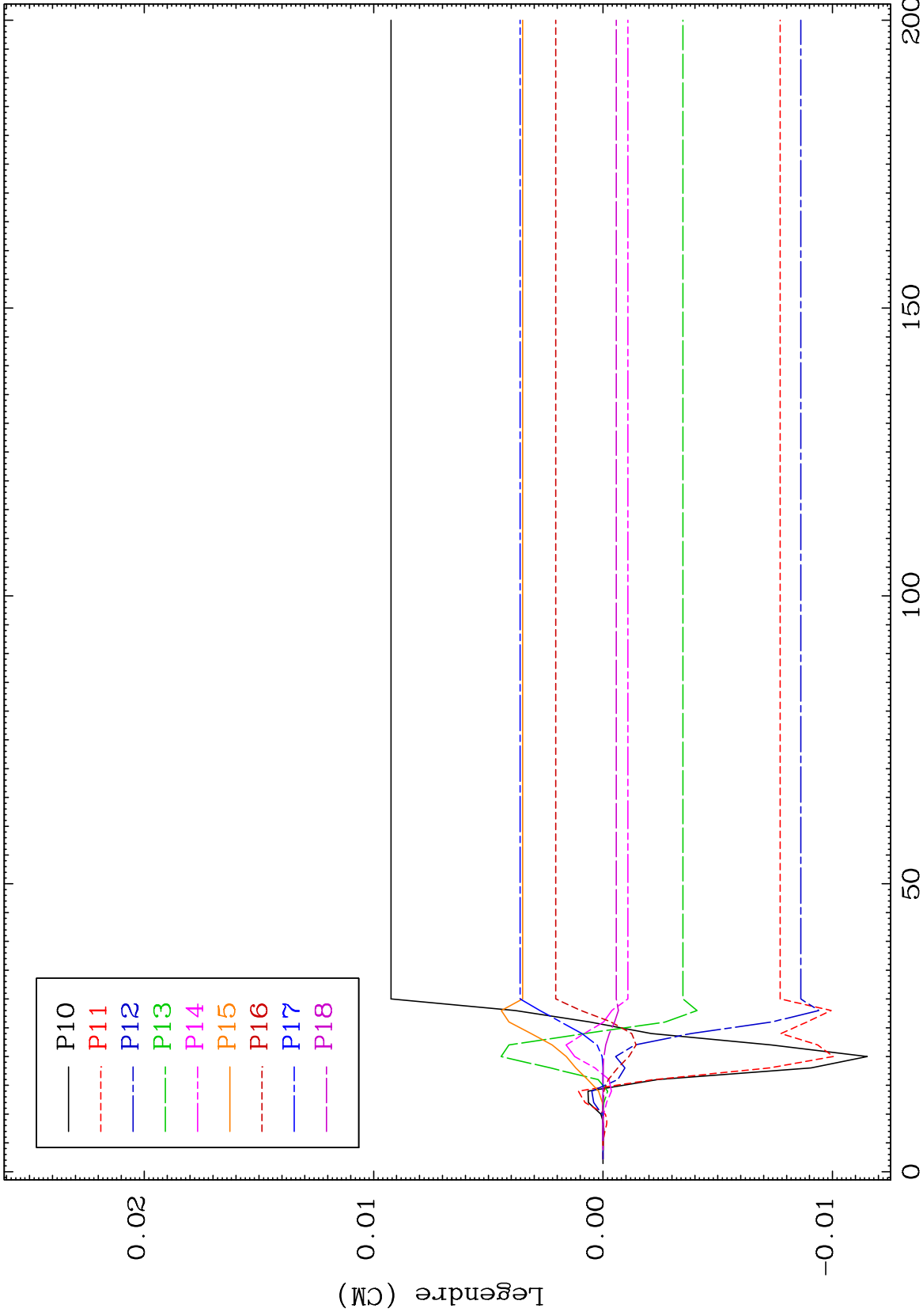
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



103

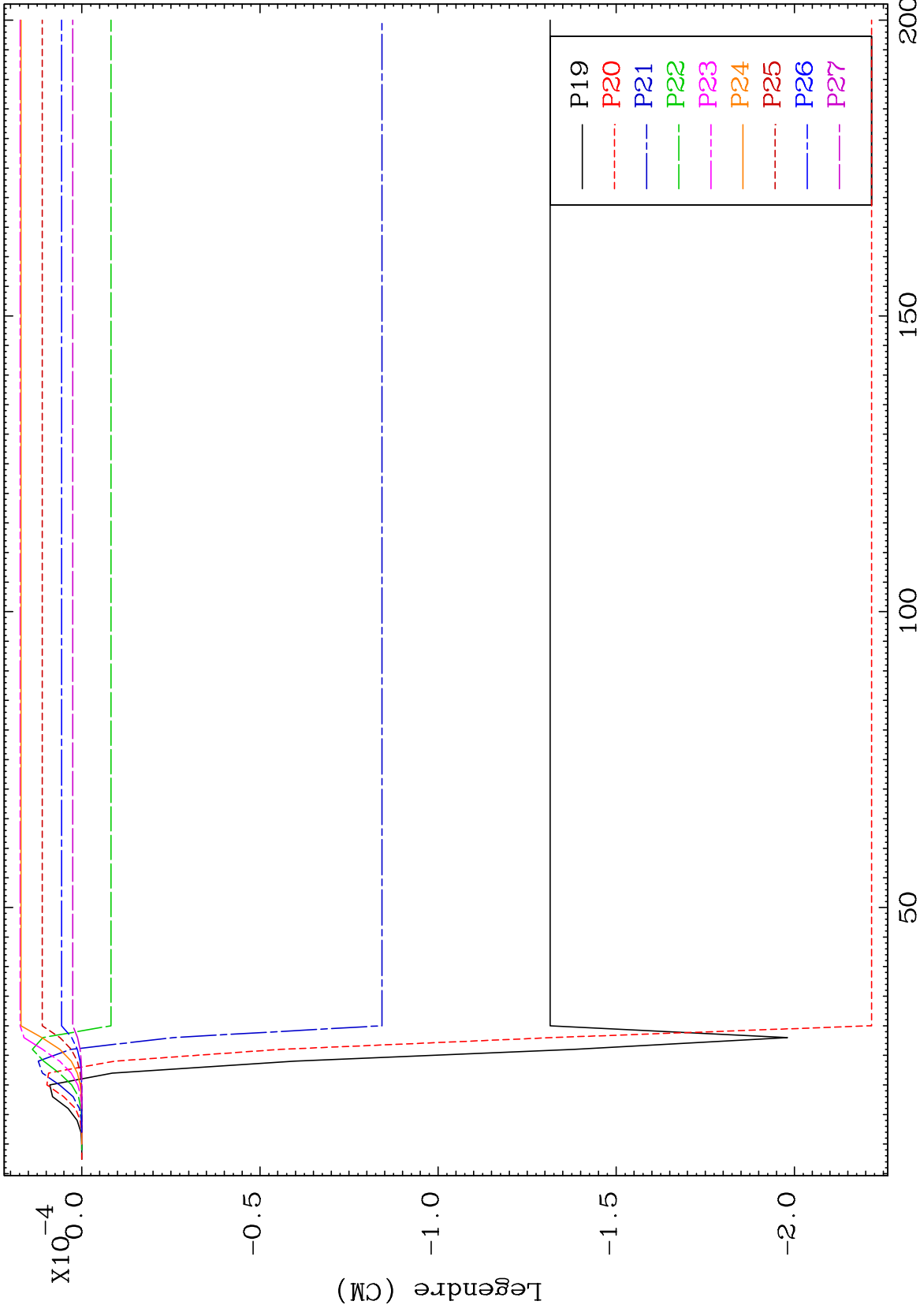
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



64-Gd-160

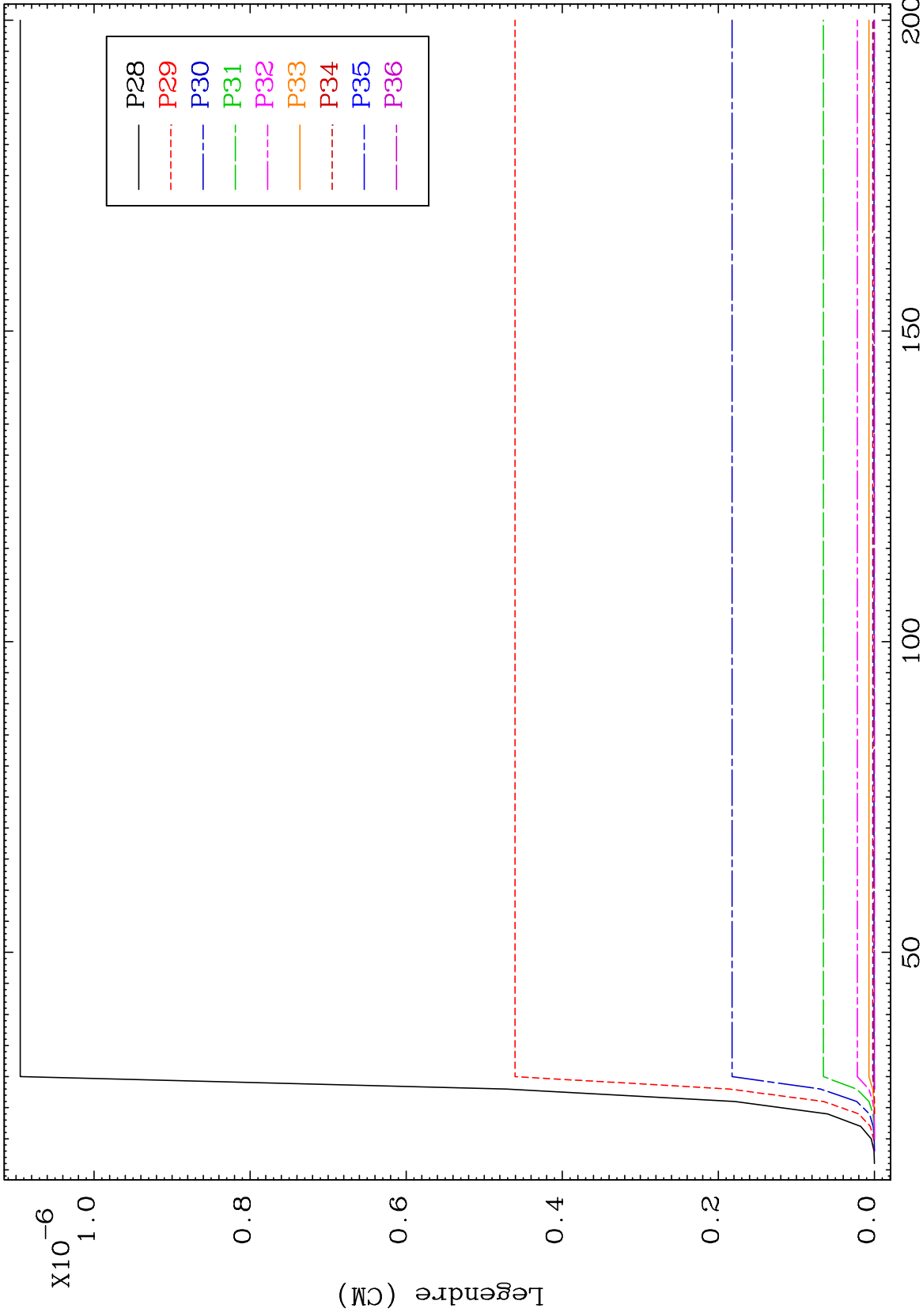
Incident Energy (MeV)

104

MAT 6449

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

64-Gd-160



105

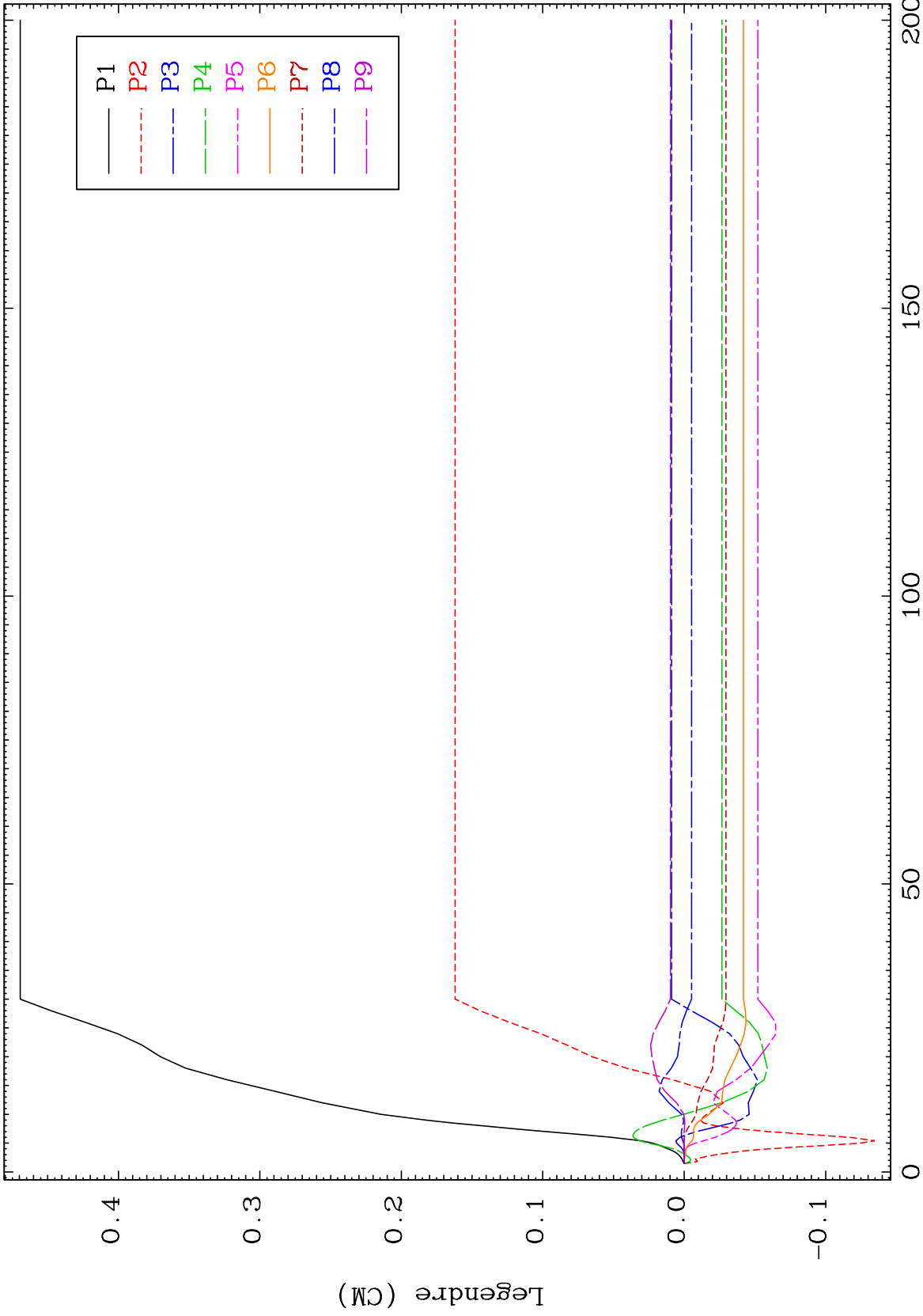
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



64-Gd-160

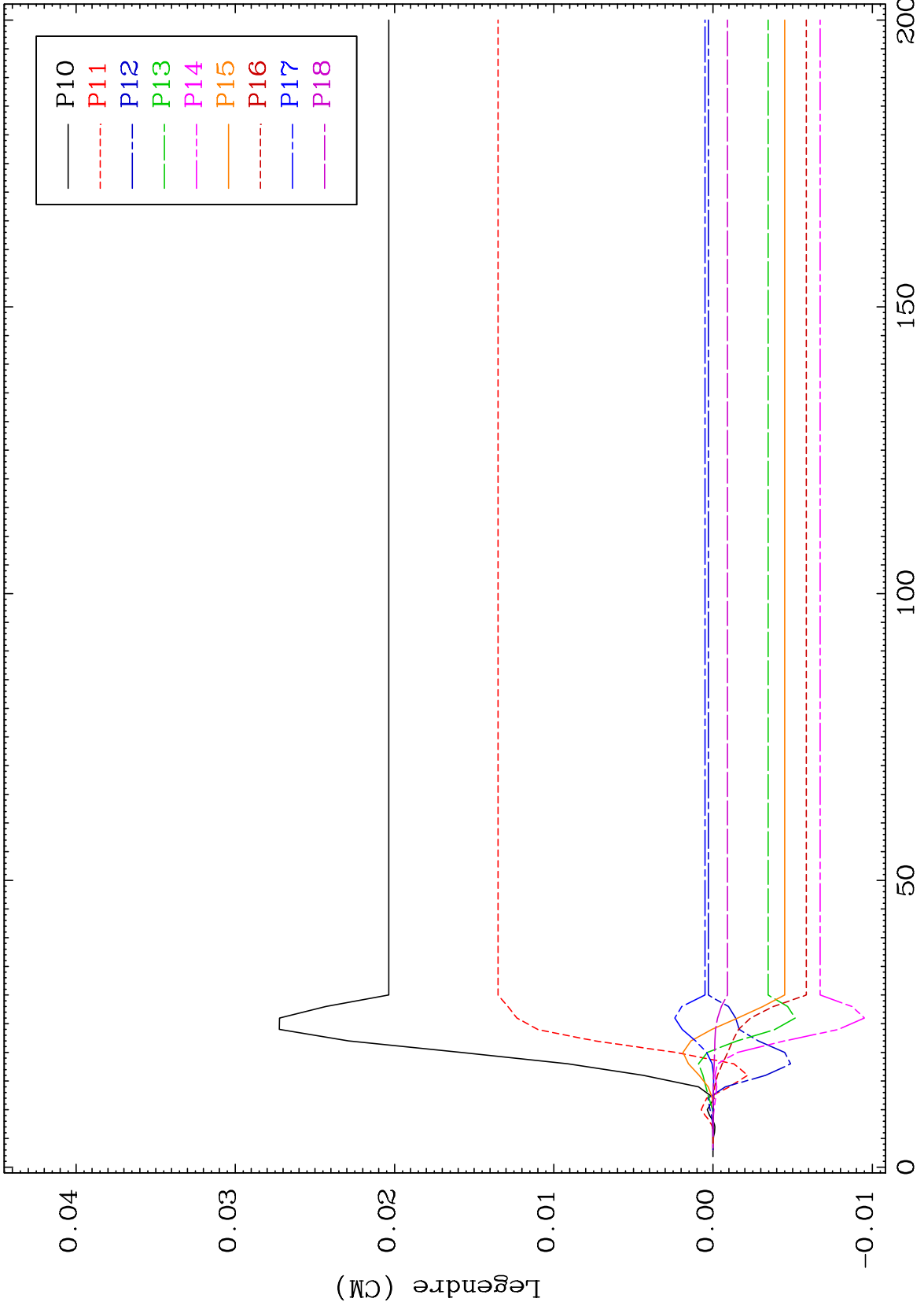
Incident Energy (MeV)

106

MAT 6449

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

64-Gd-160



107

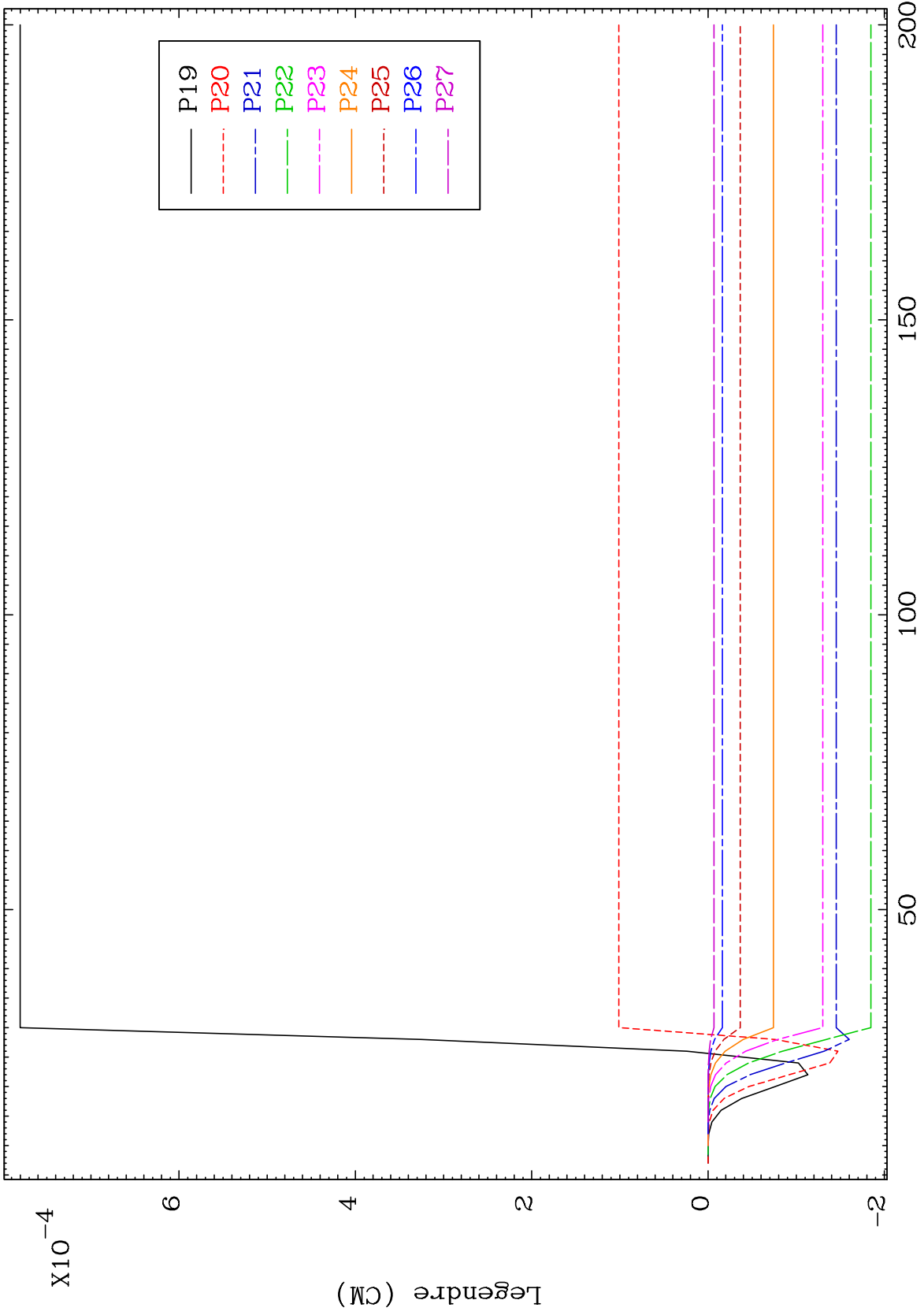
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



108

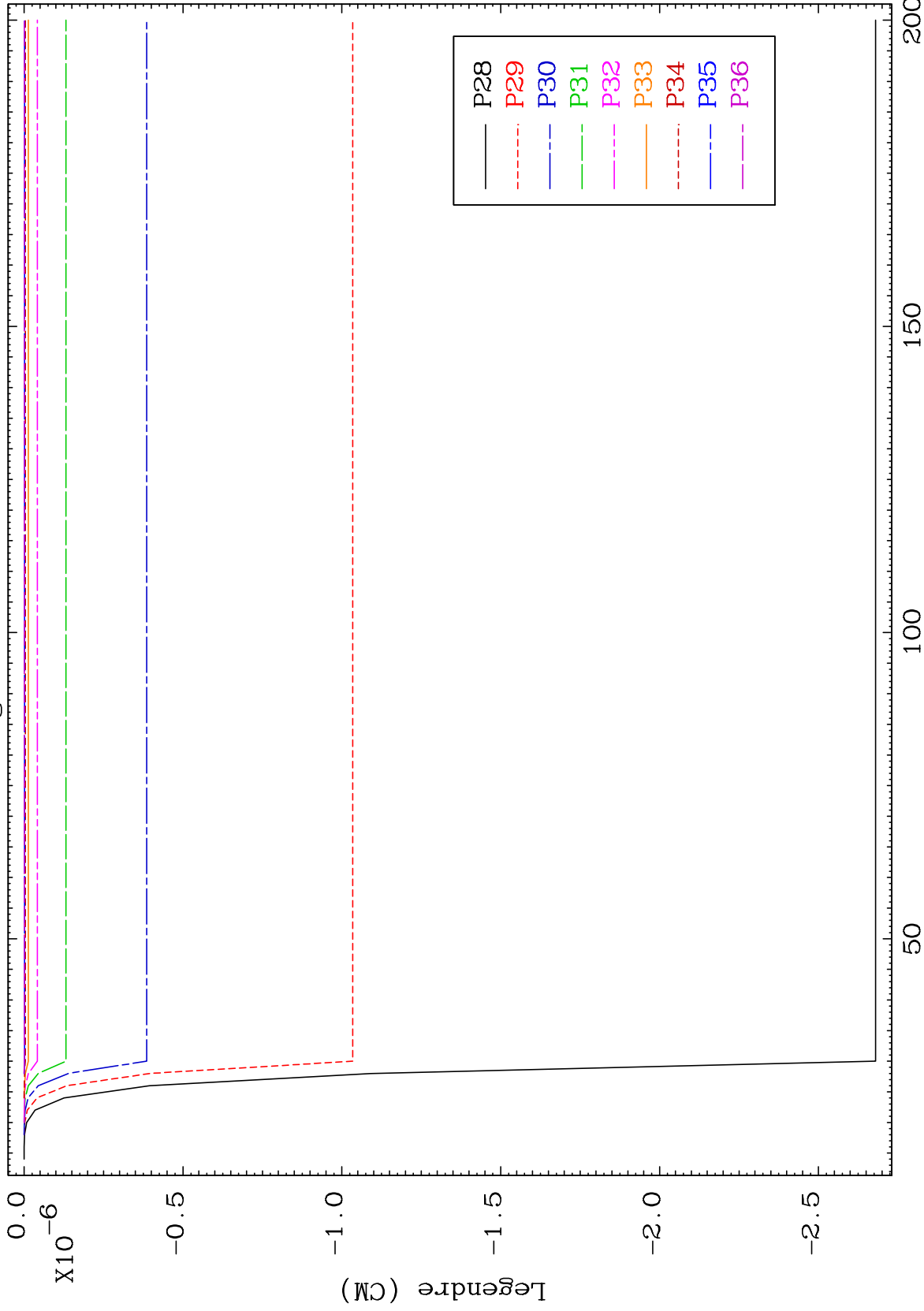
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



64-Gd-160

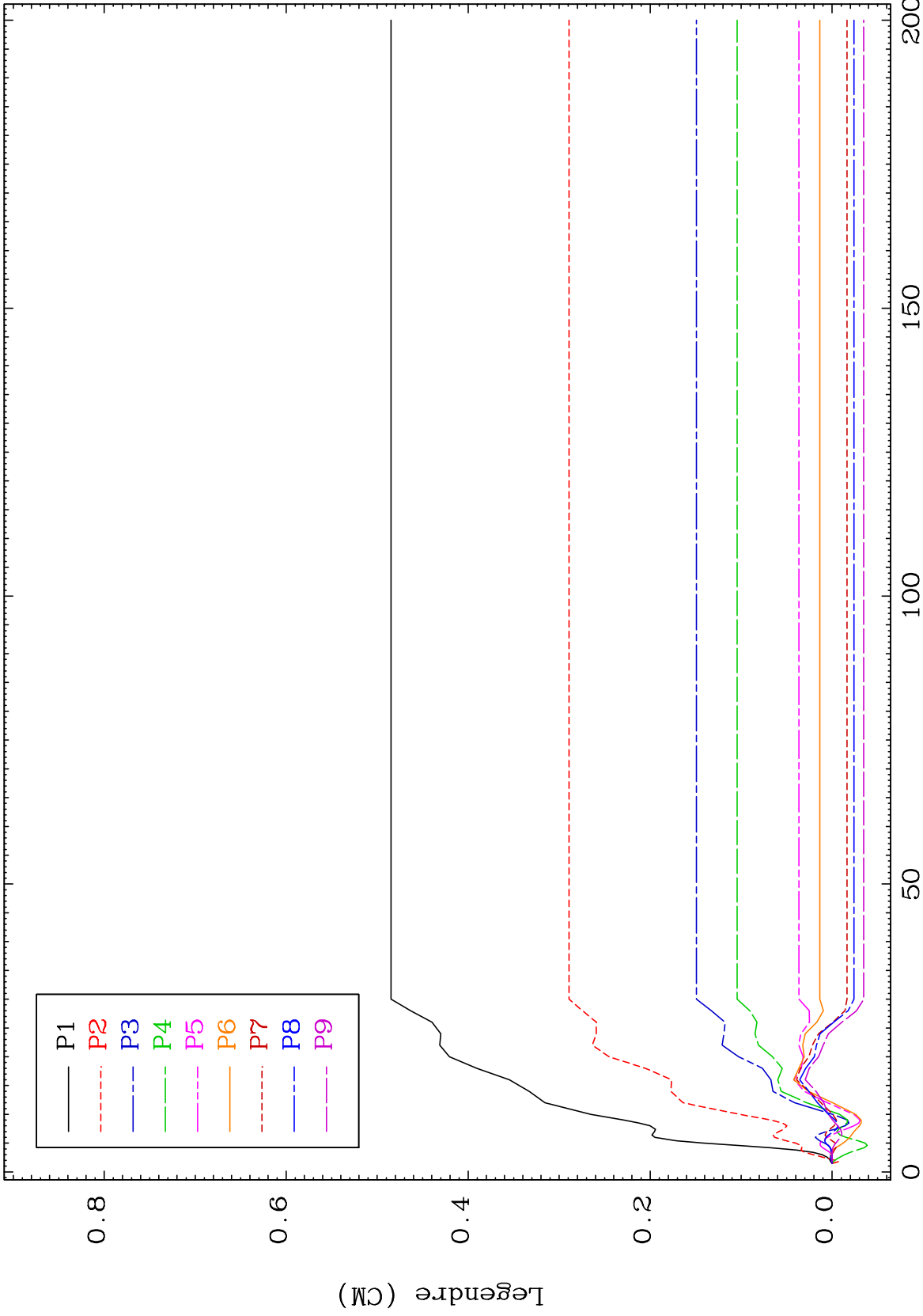
Incident Energy (MeV)

109

MAT 6449

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

64-Gd-160



64-Gd-160

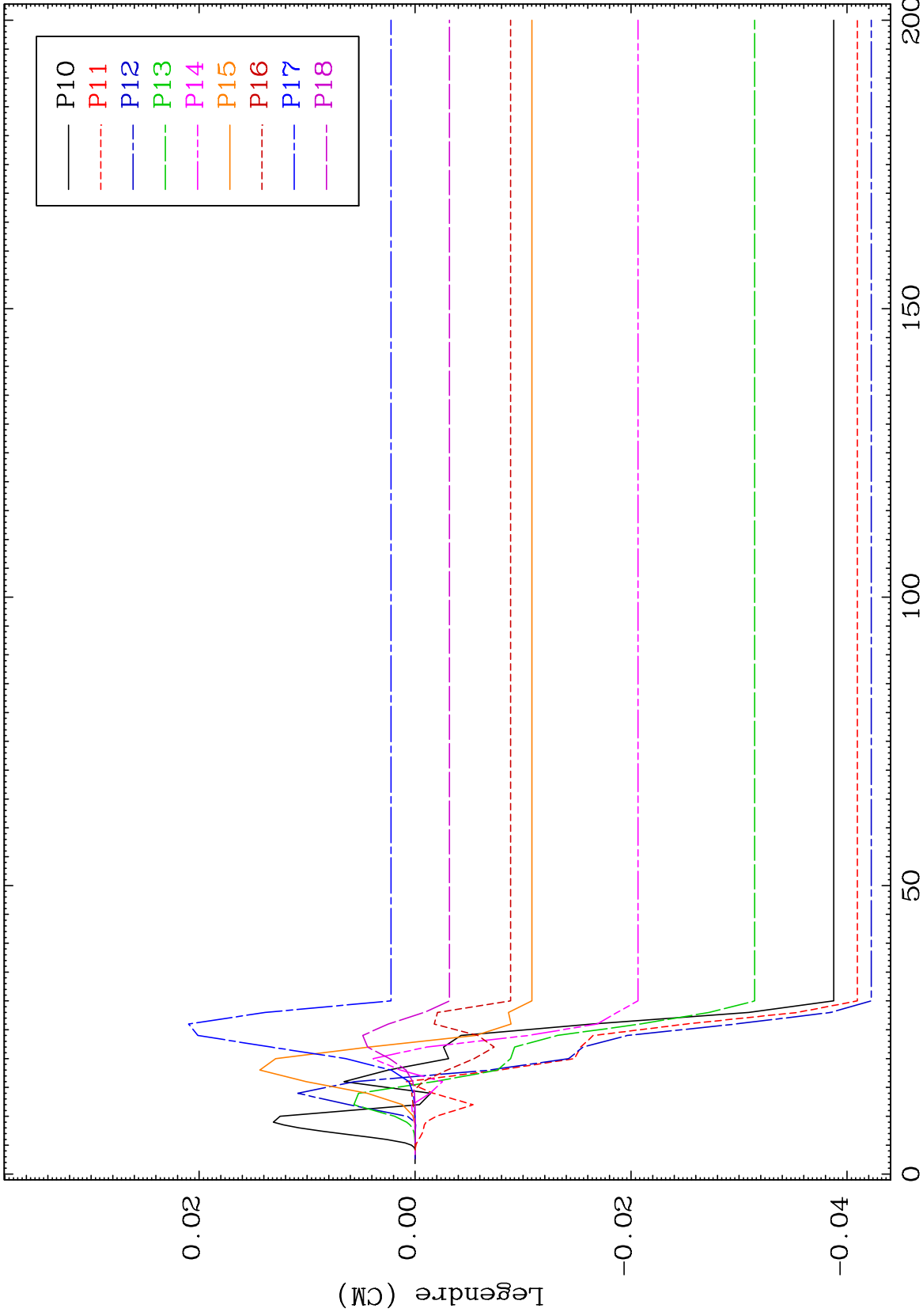
Incident Energy (MeV)

110

MAT 6449

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

64-Gd-160

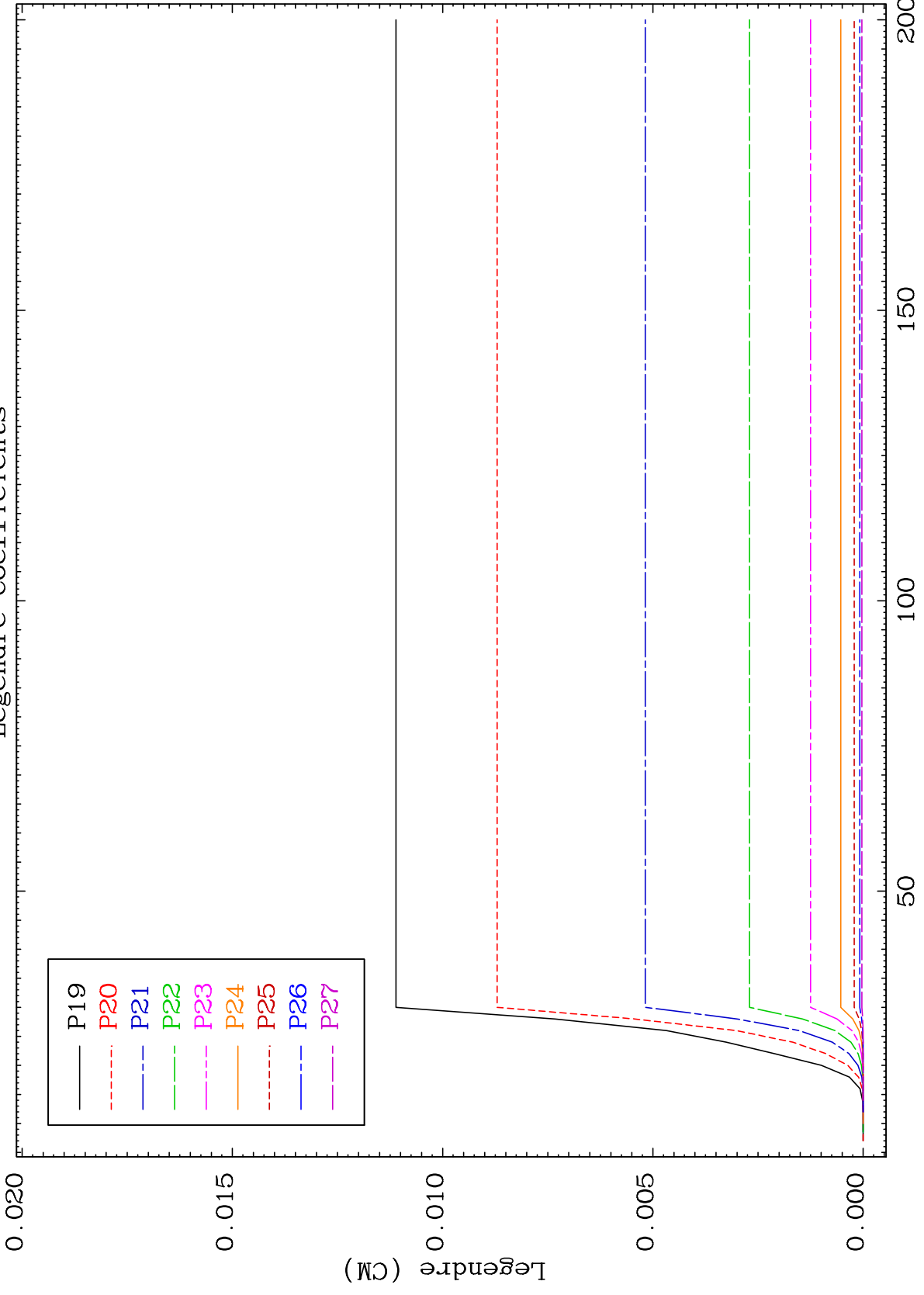


111

Incident Energy (MeV)

64-Gd-160

MAT 6449 MT= 76 (n,n') Level Legendre Coefficients 64-Gd-160



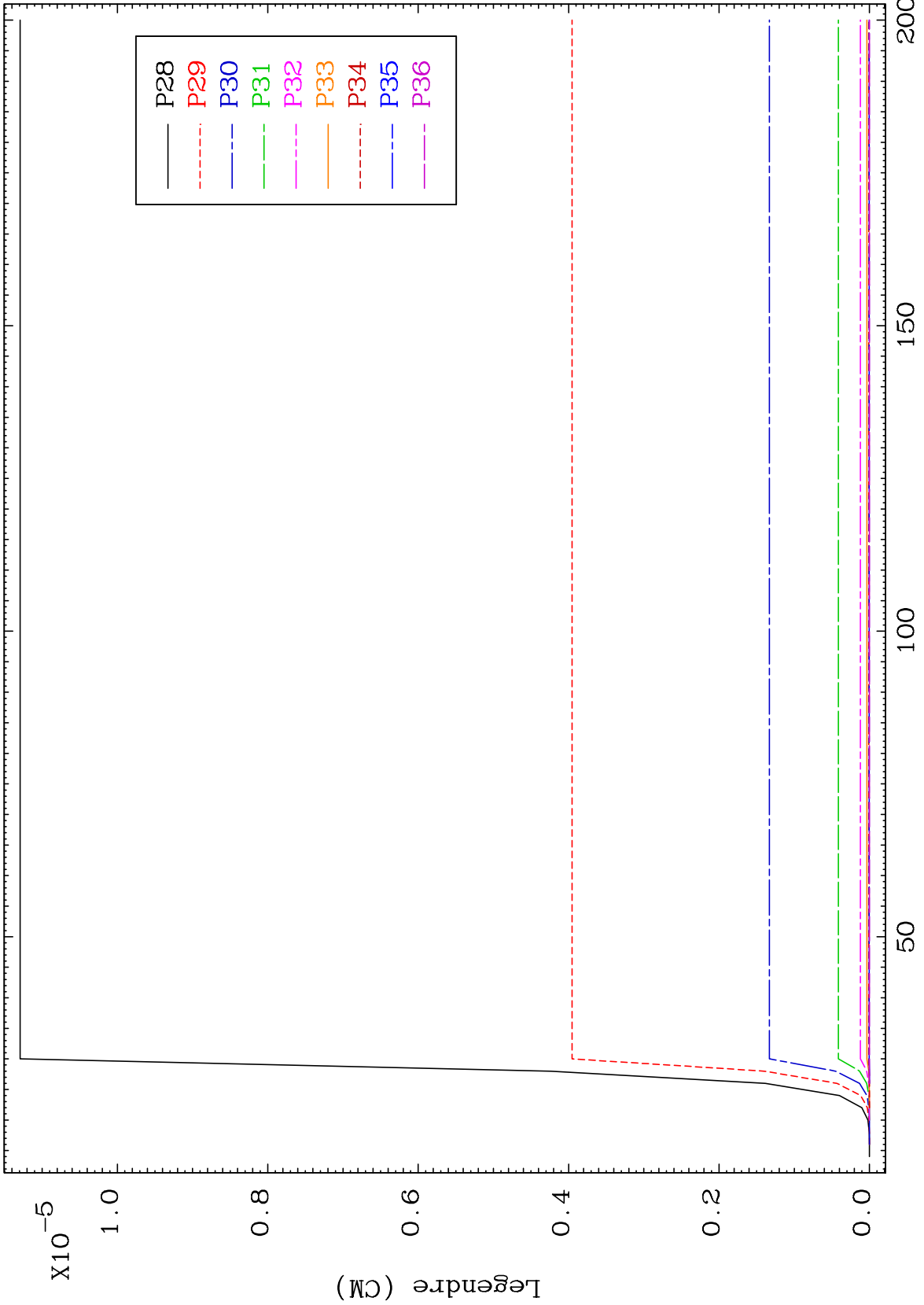
64-Gd-160

Incident Energy (MeV)

MAT 6449

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

64-Gd-160



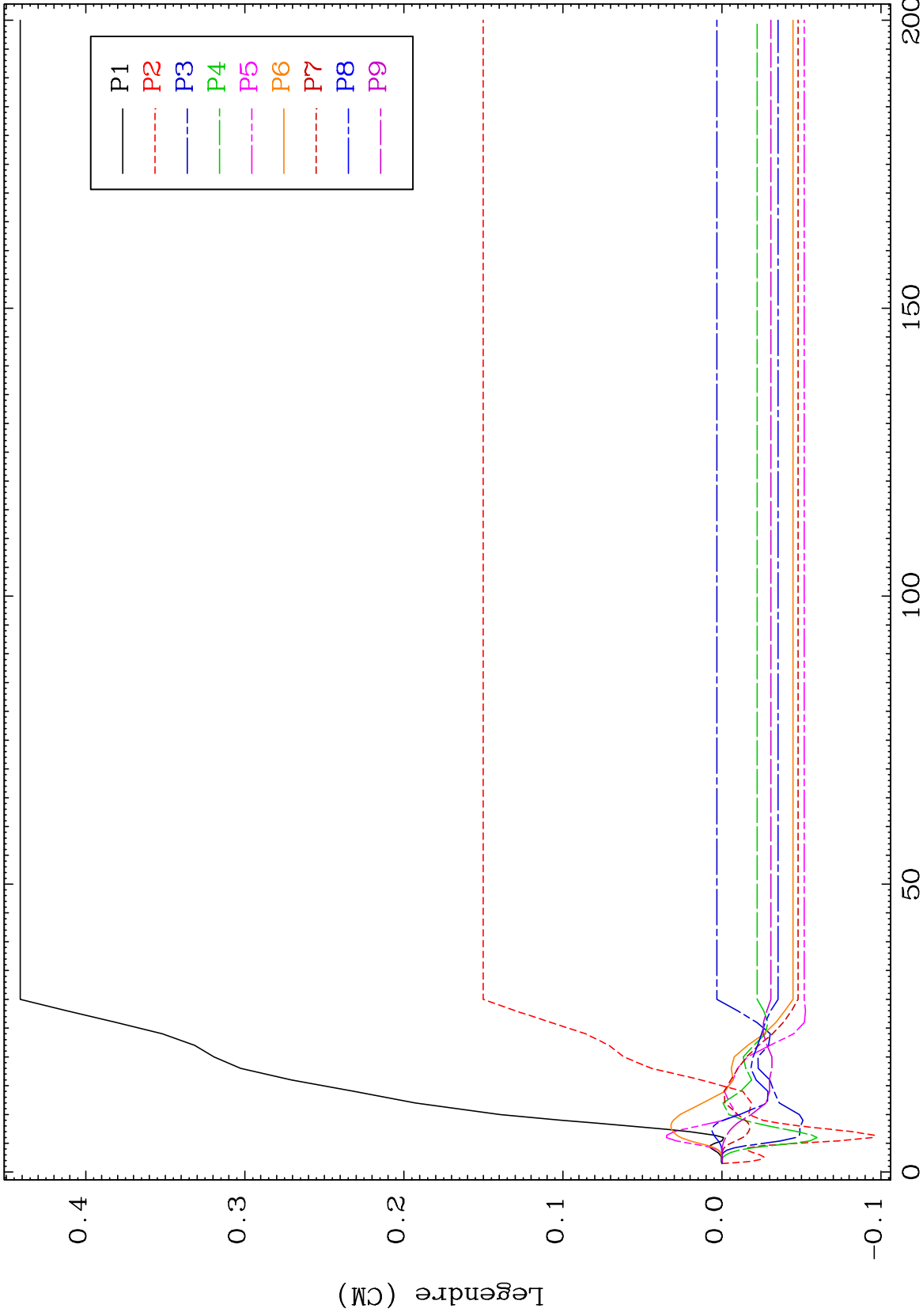
113

64-Gd-160

MAT 6449

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

64-Gd-160



114

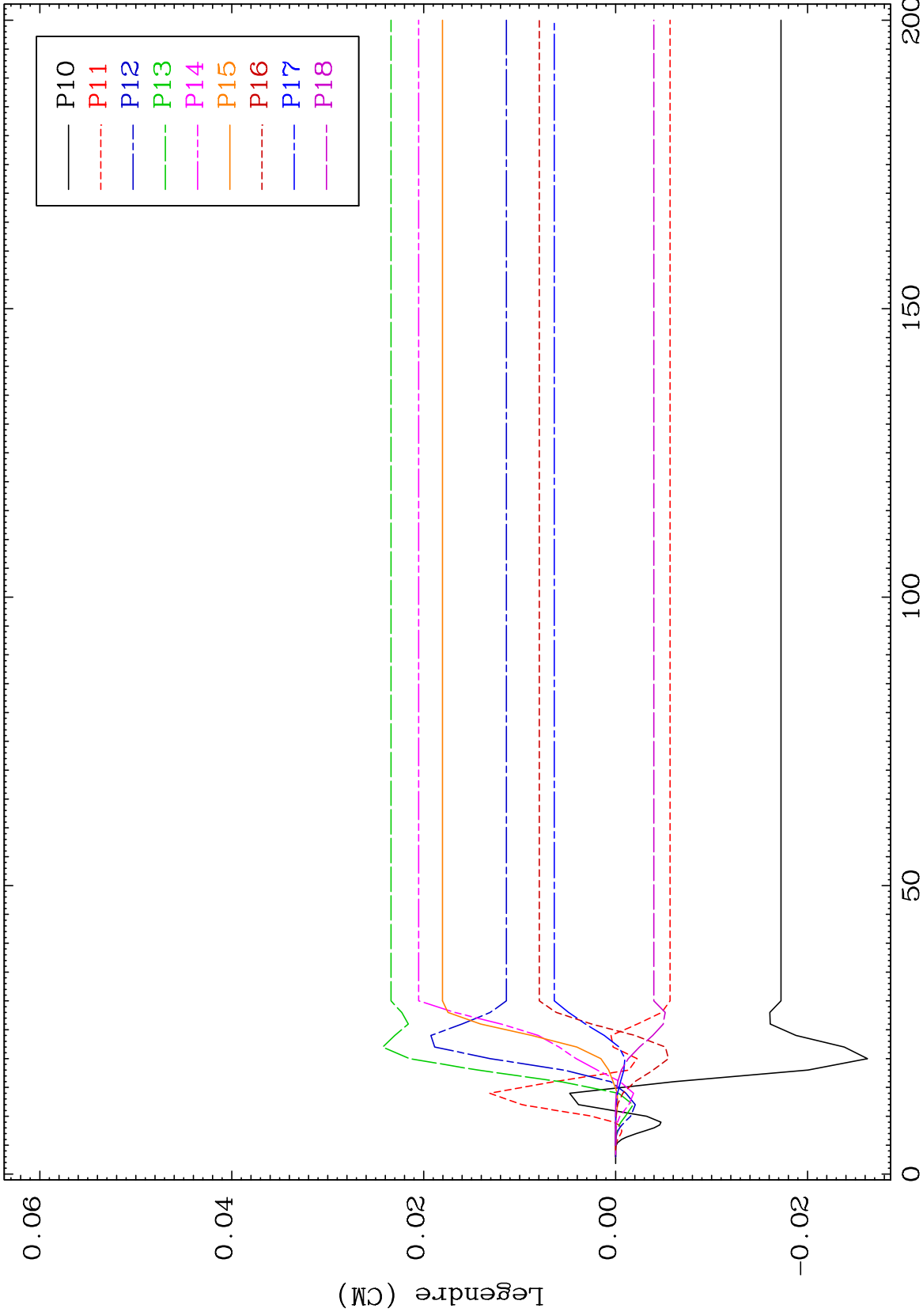
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



115

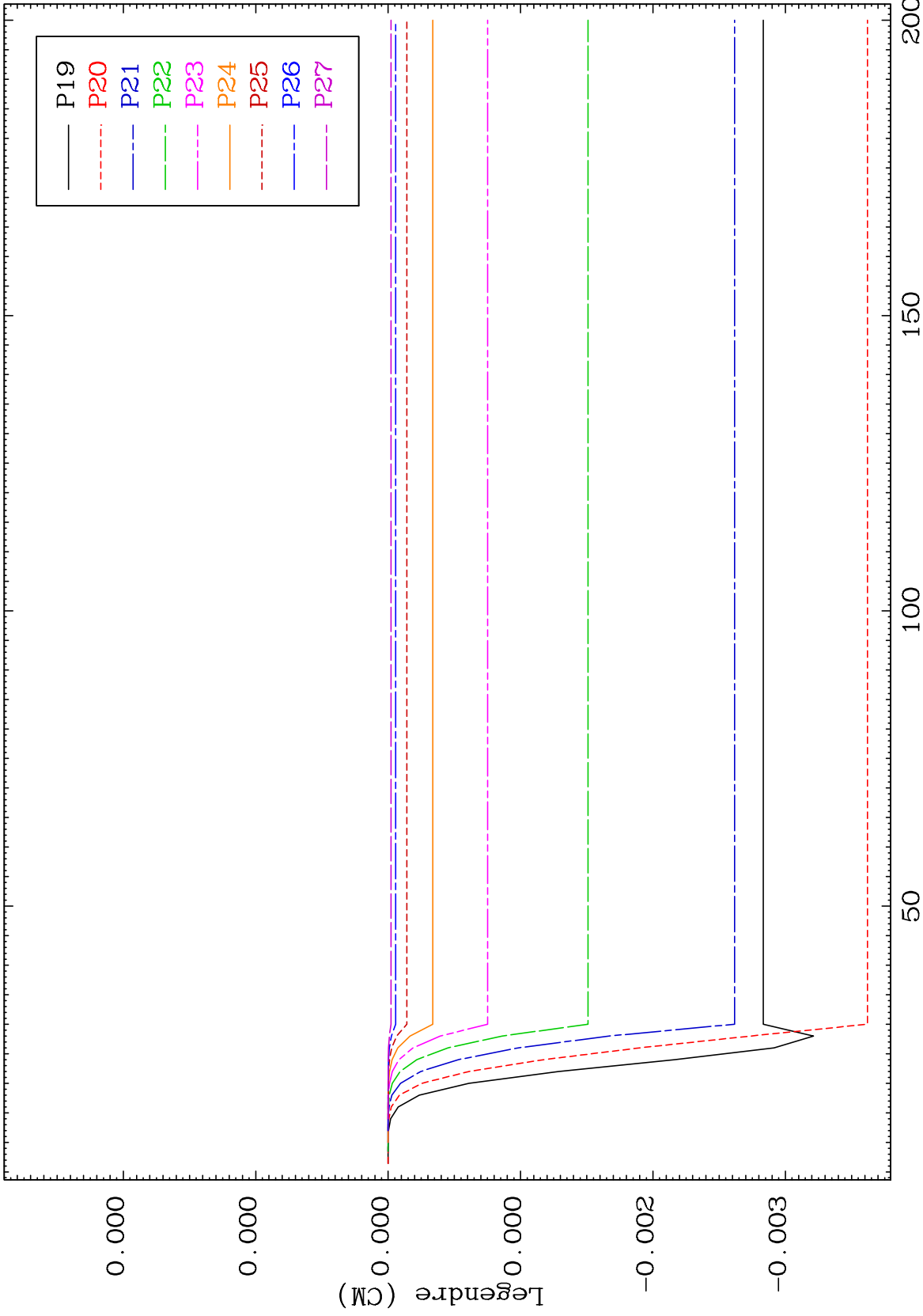
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



116

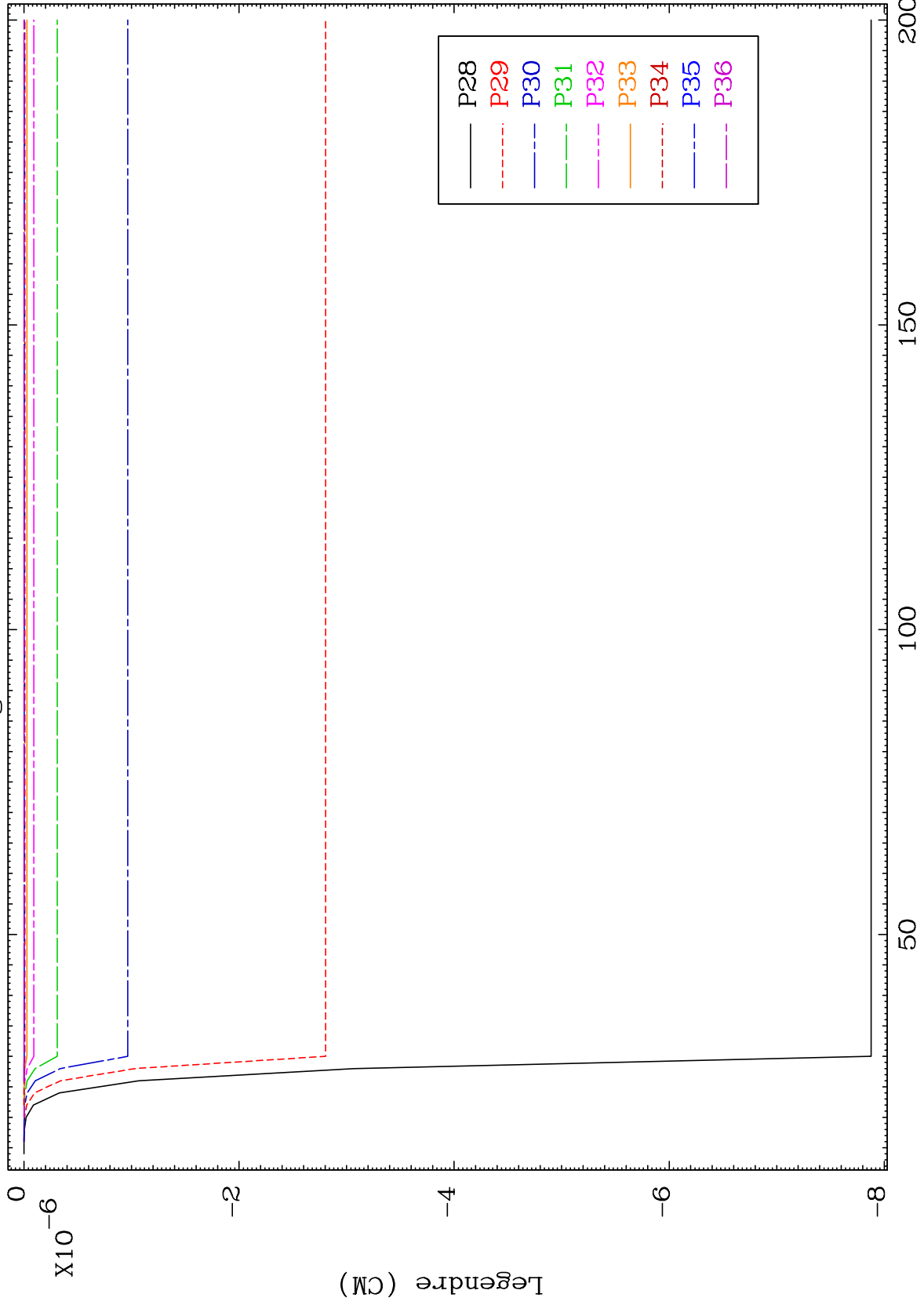
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

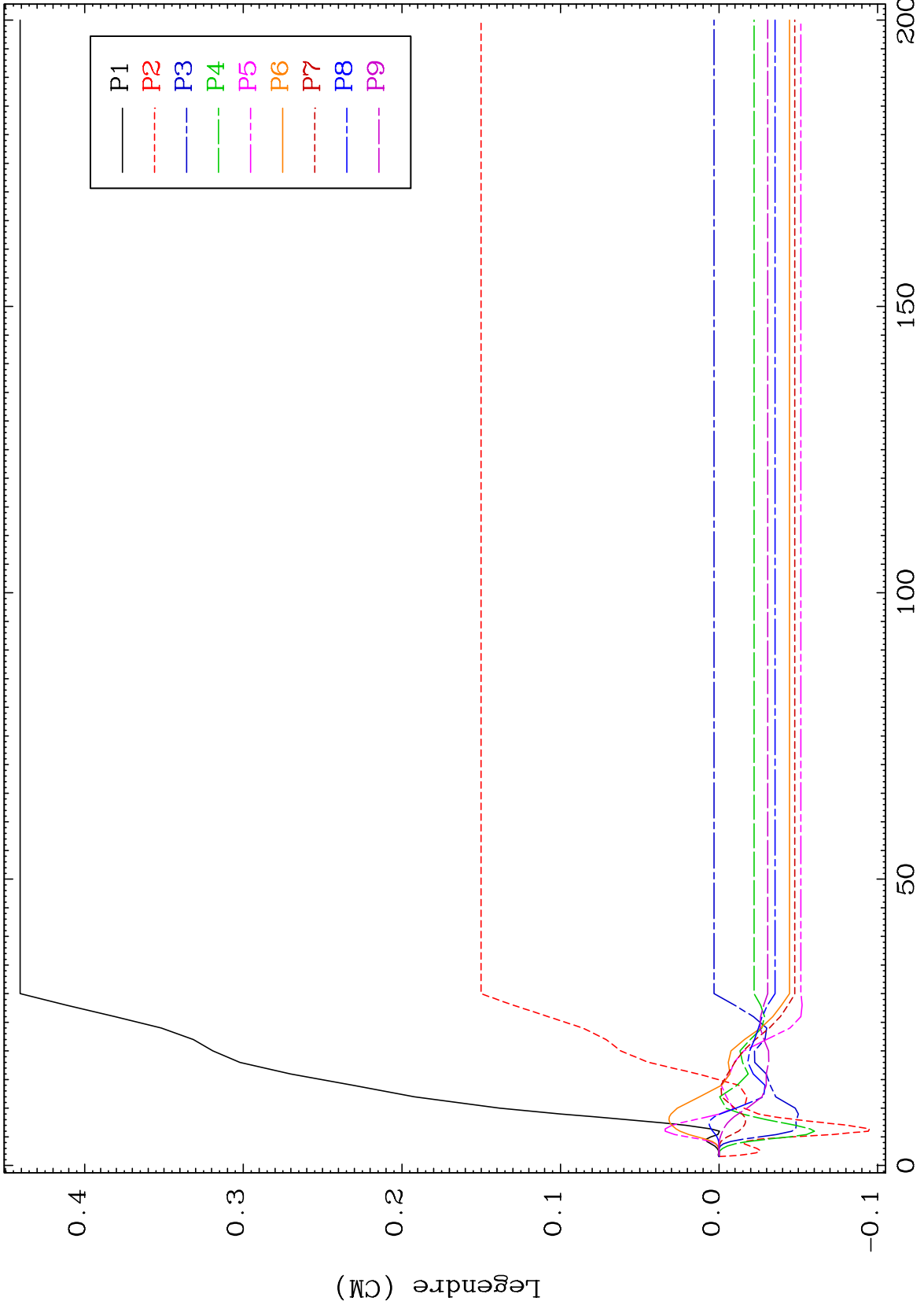
64-Gd-160



MAT 6449

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

64-Gd-160



118

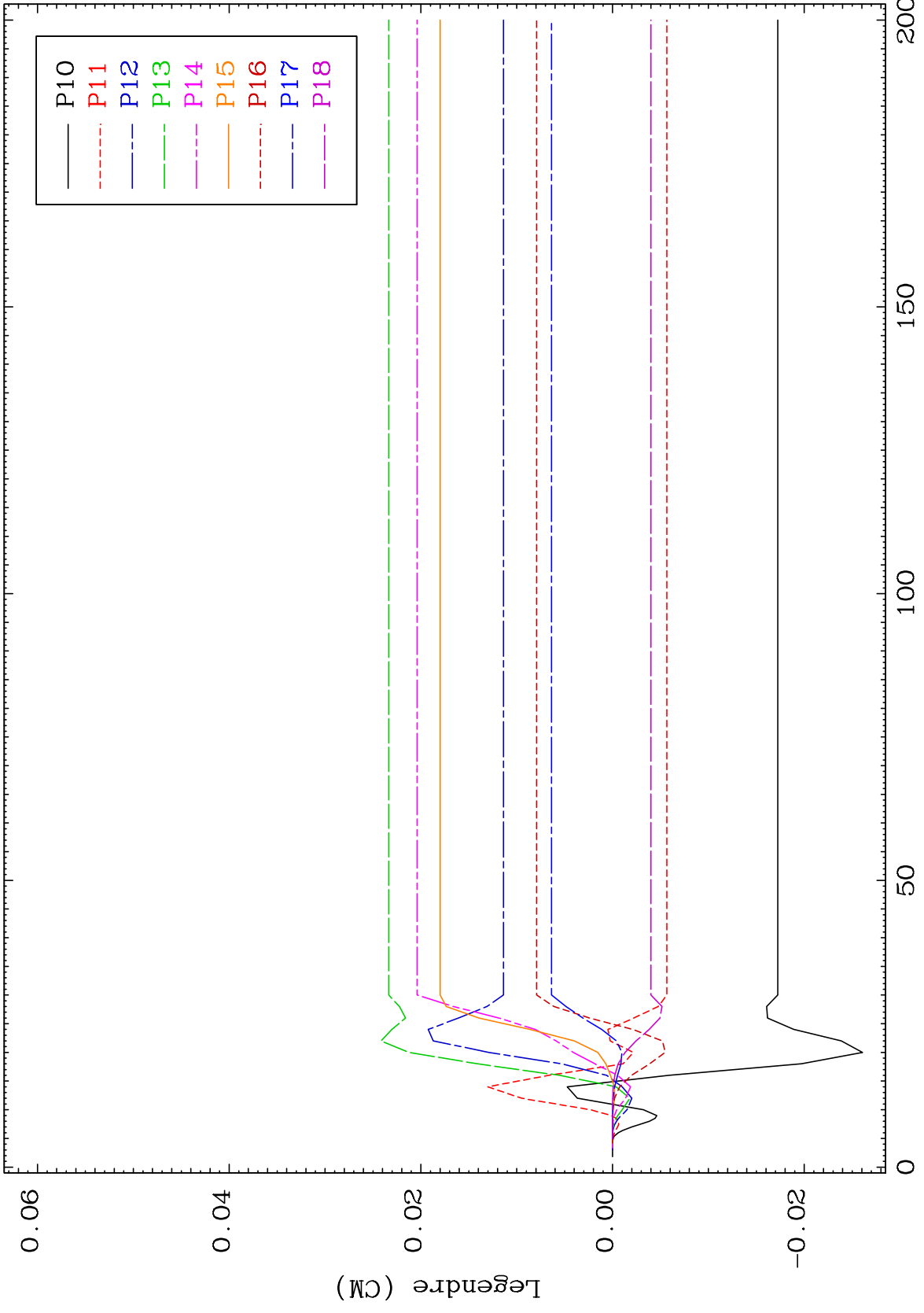
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



119

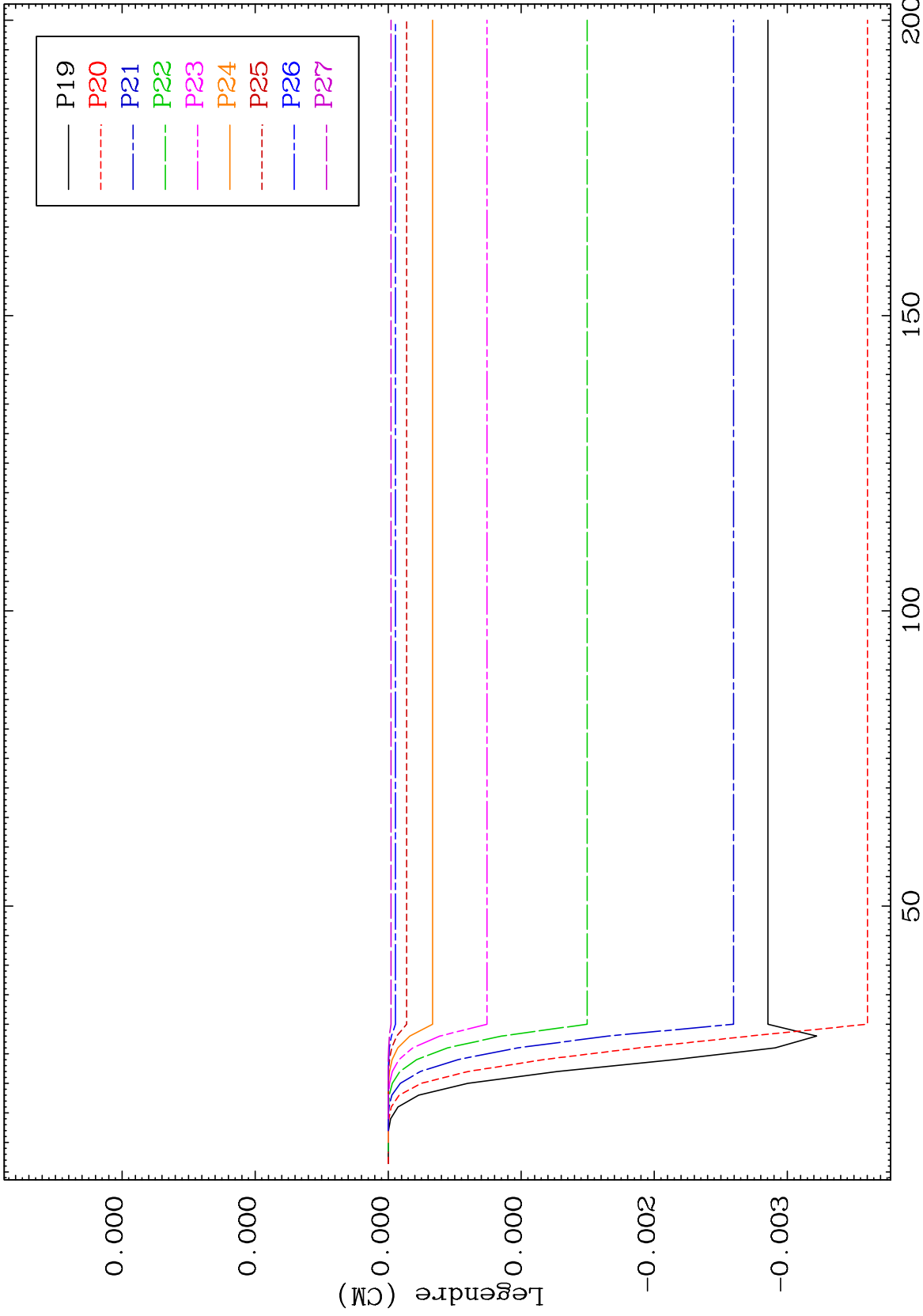
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160

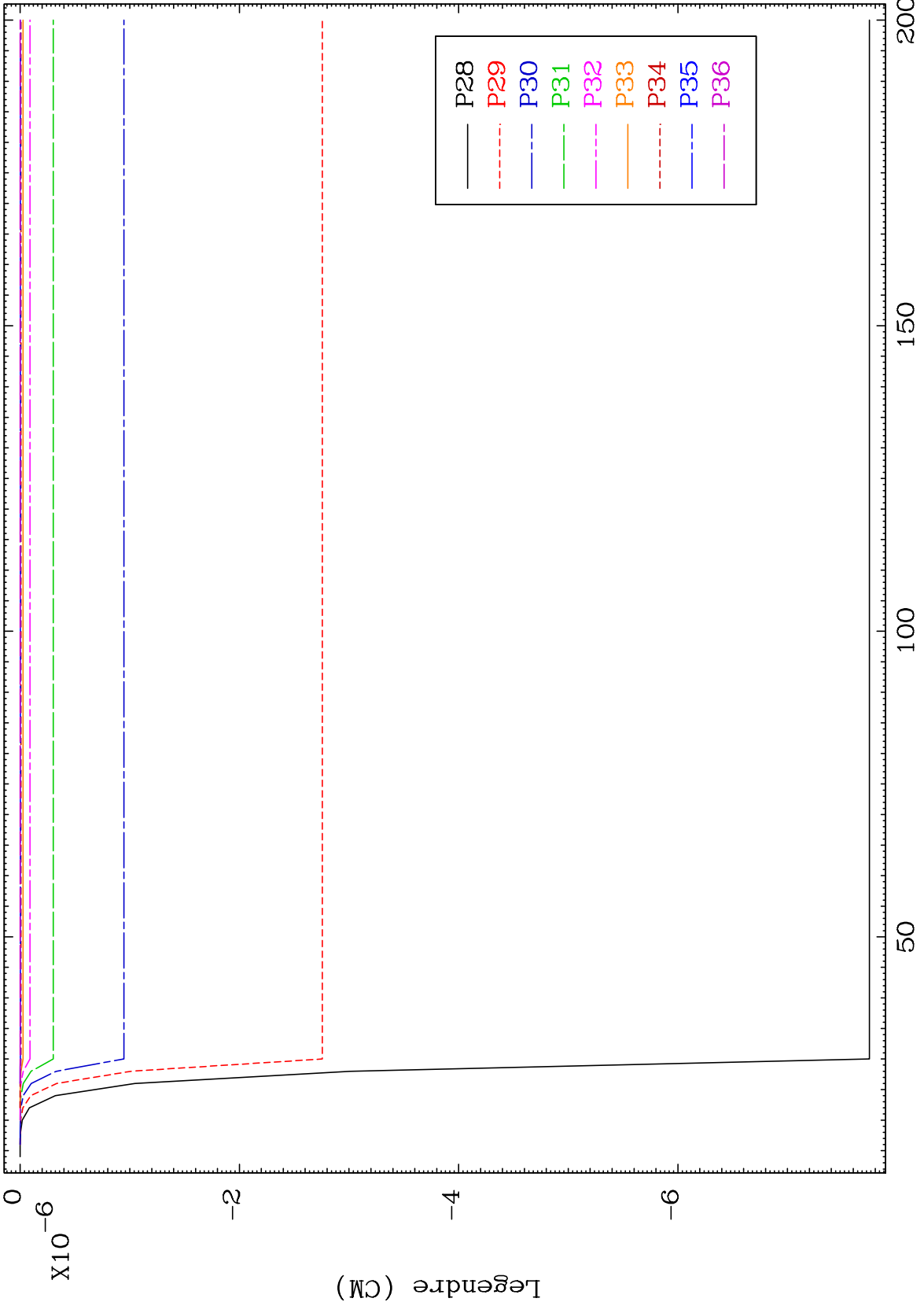


120

Incident Energy (MeV)

64-Gd-160

MAT 6449 MT= 78 (n,n') Level Legendre Coefficients 64-Gd-160

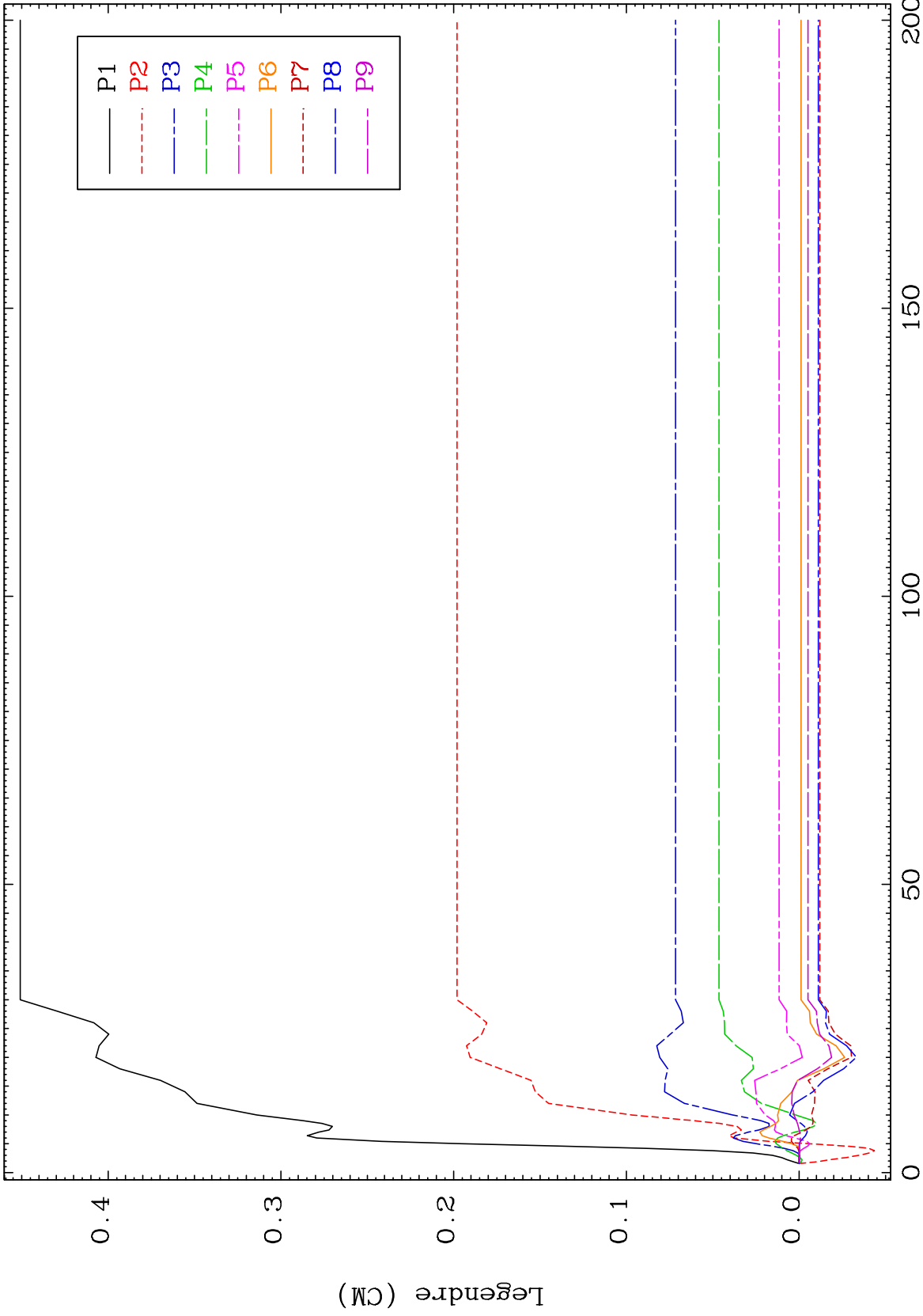


121 64-Gd-160

MAT 6449

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

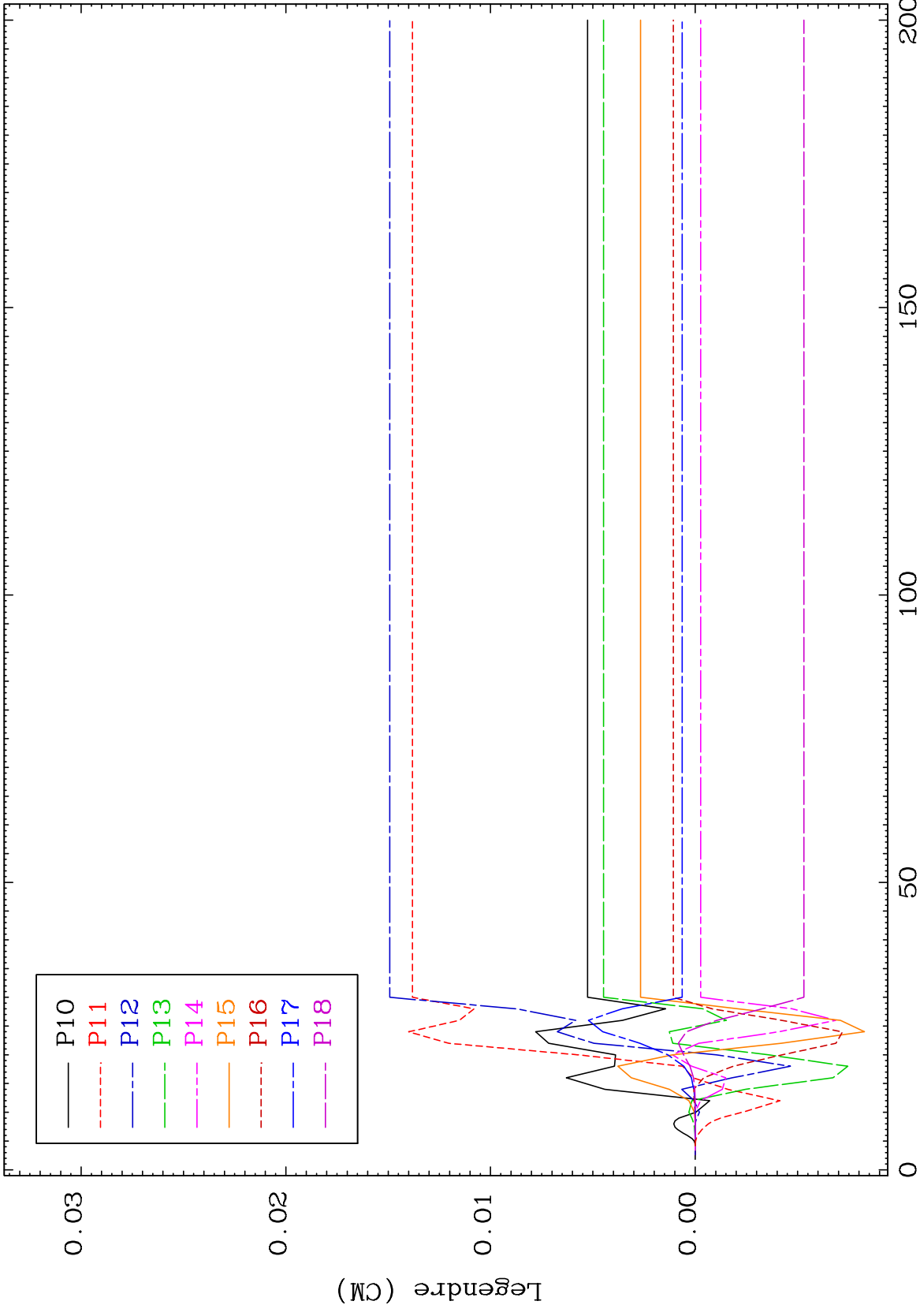
64-Gd-160



MAT 6449

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

64-Gd-160



123

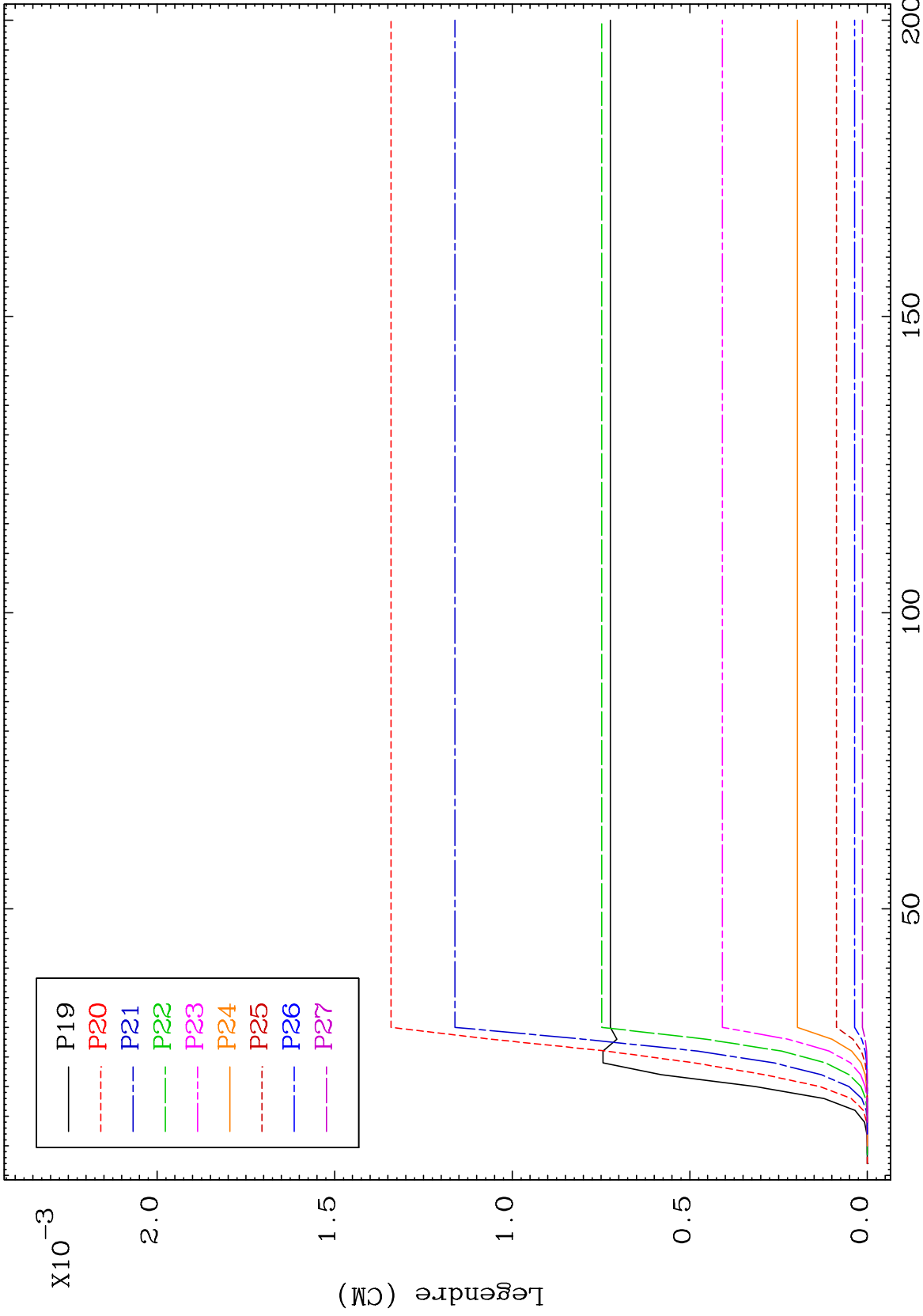
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



124

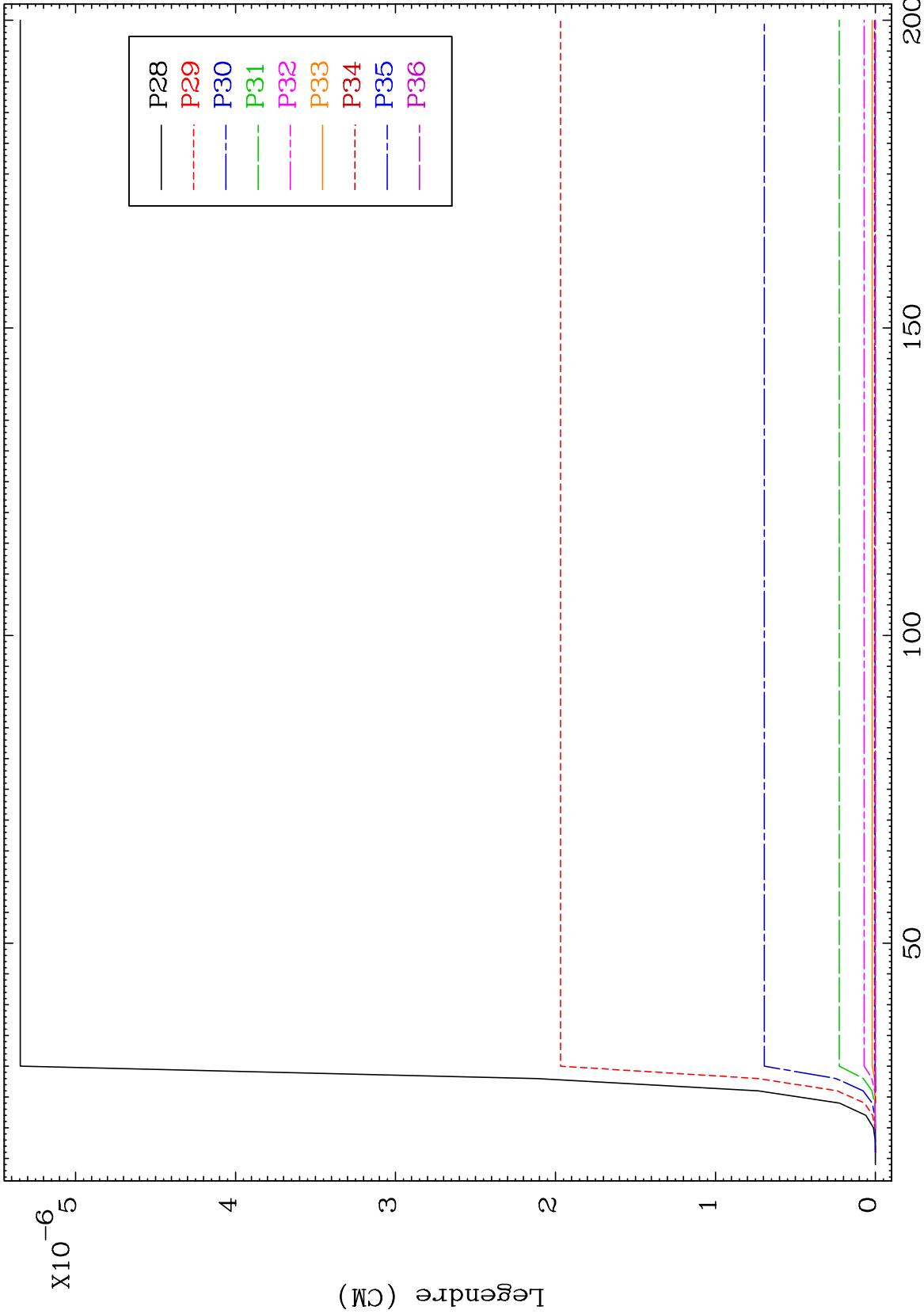
Incident Energy (MeV)

64-Gd-160

MAT 6449

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

64-Gd-160



125

Incident Energy (MeV)

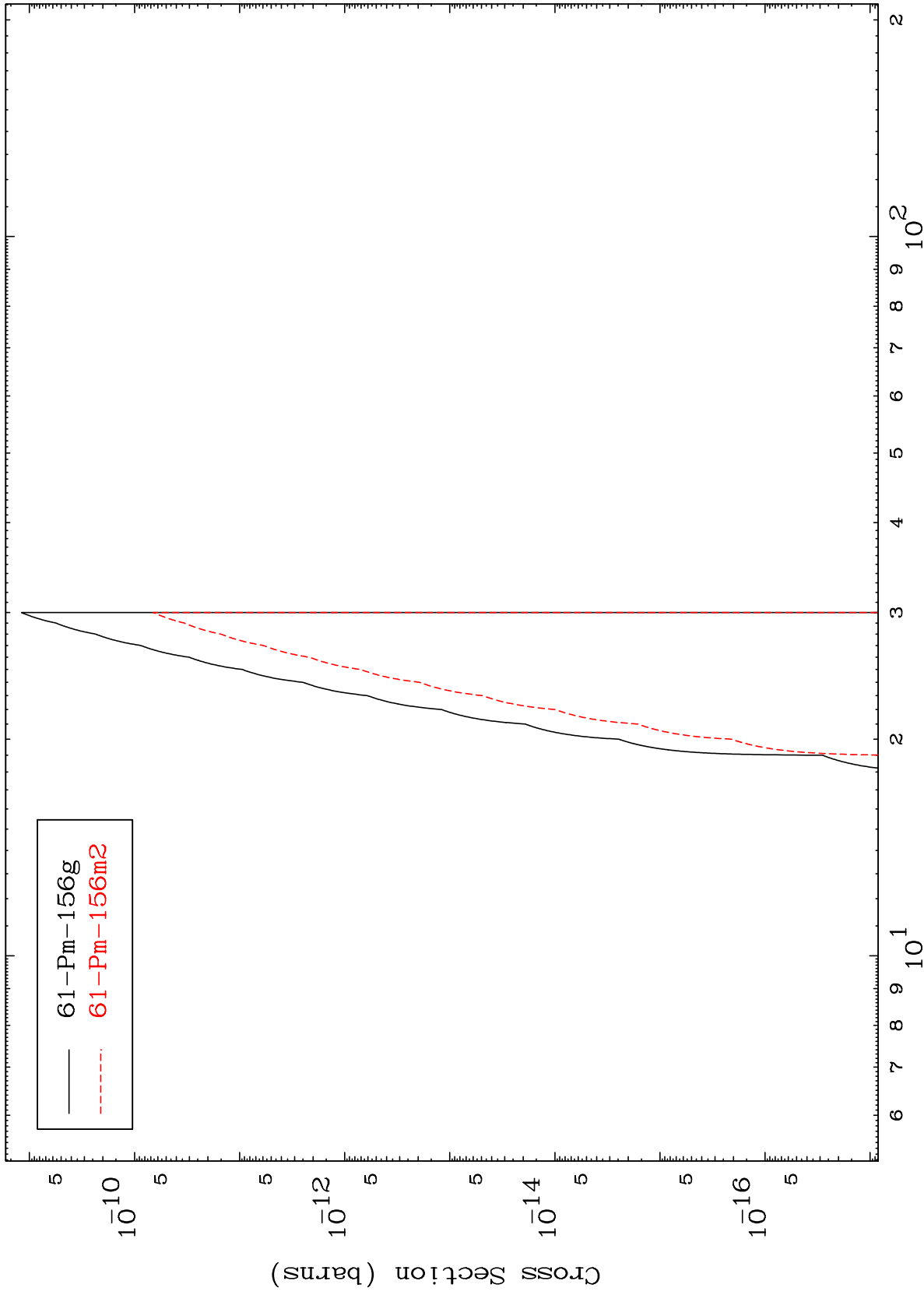
64-Gd-160

MAT 6449

(n,p) α

64-Gd-160

Radionuclide Production Cross Section



61-Pm-156g
61-Pm-156m2

126

Incident Energy (MeV)

64-Gd-160