

Program EVALPLOT
(Version 2018-1)

by

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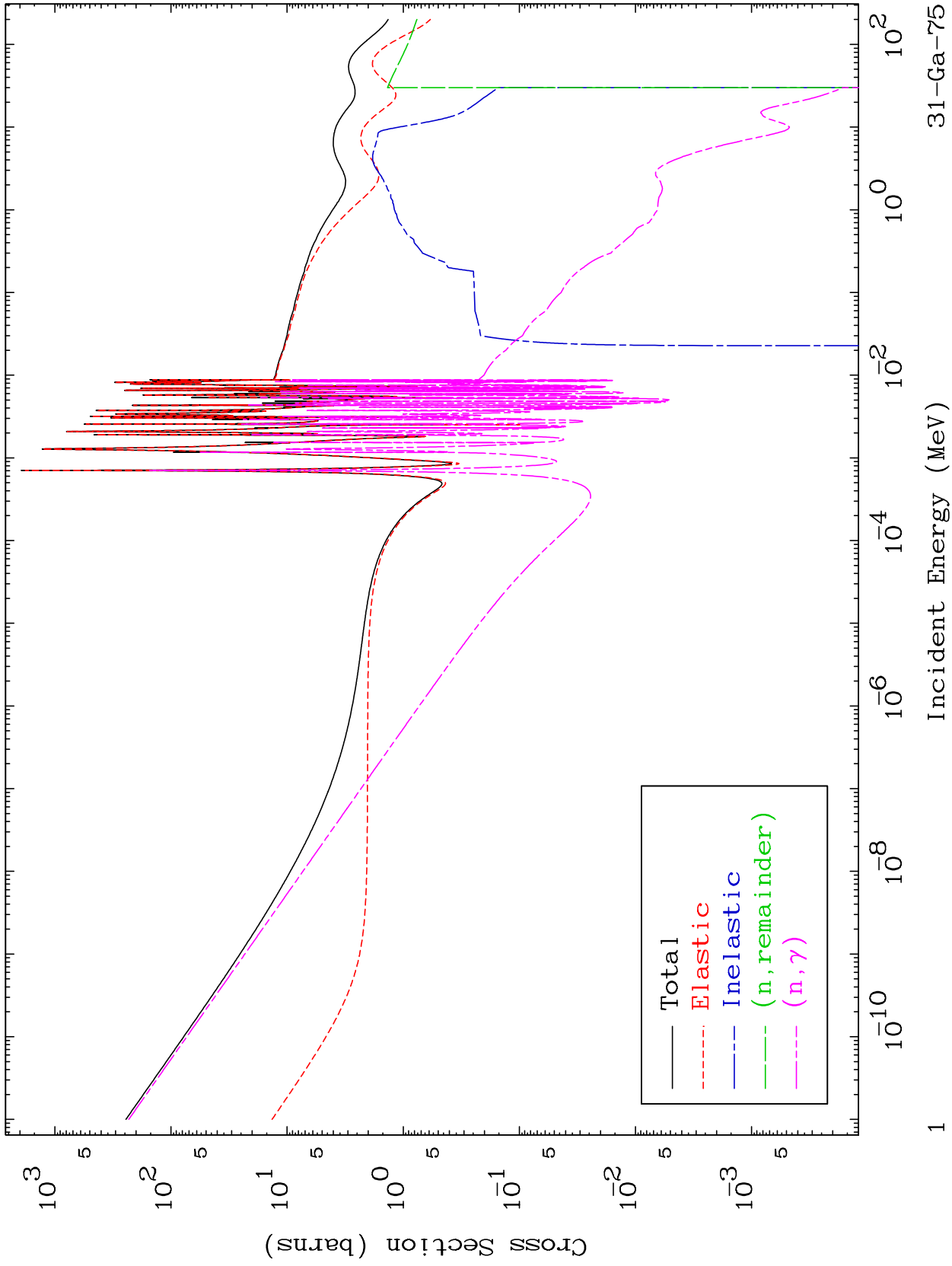
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3143

Major
293 Kelvin Cross Sections

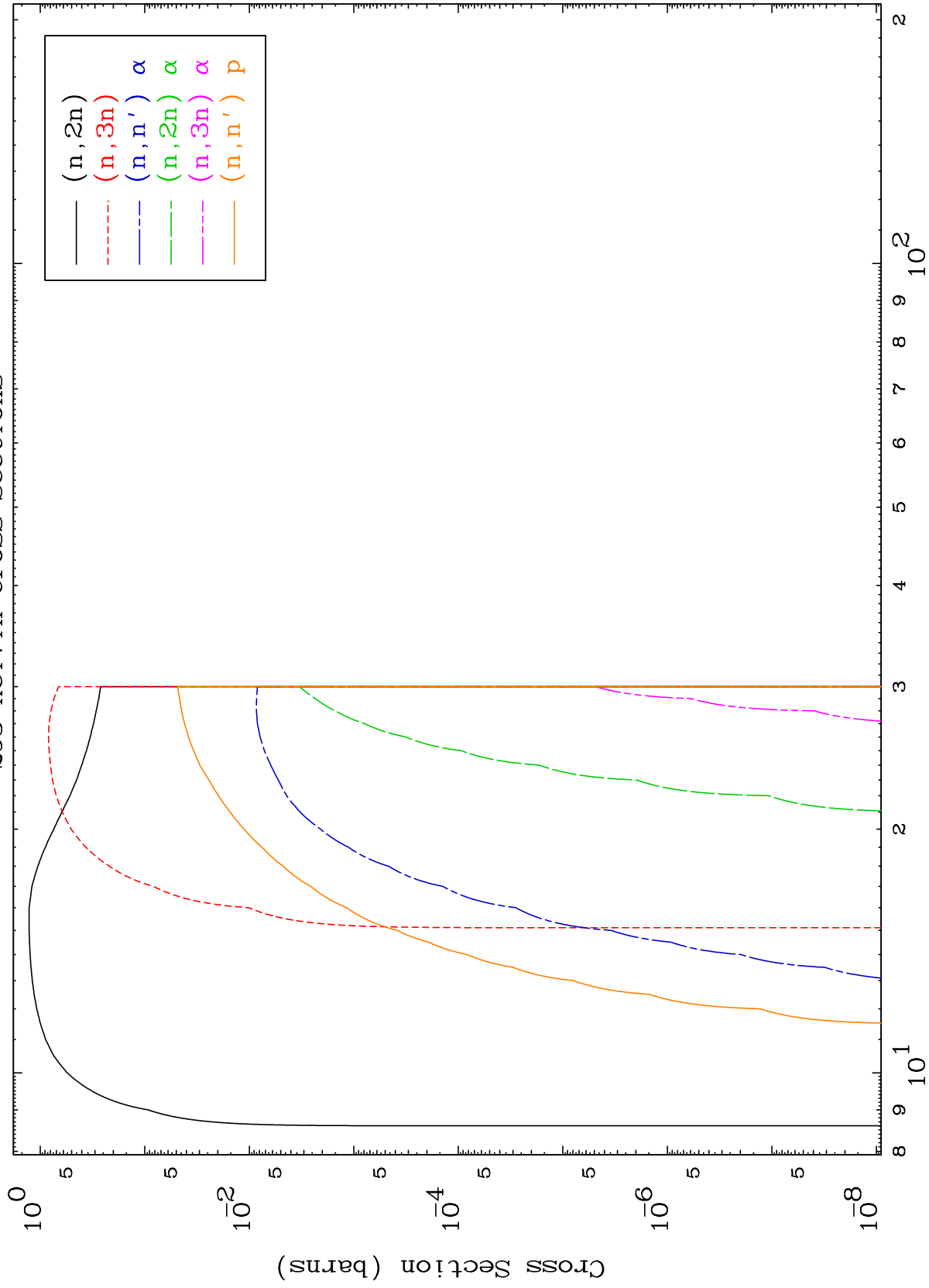
31-Ga-75



MAT 3143

Neutron Production
293 Kelvin Cross Sections

31-Ga-75



2

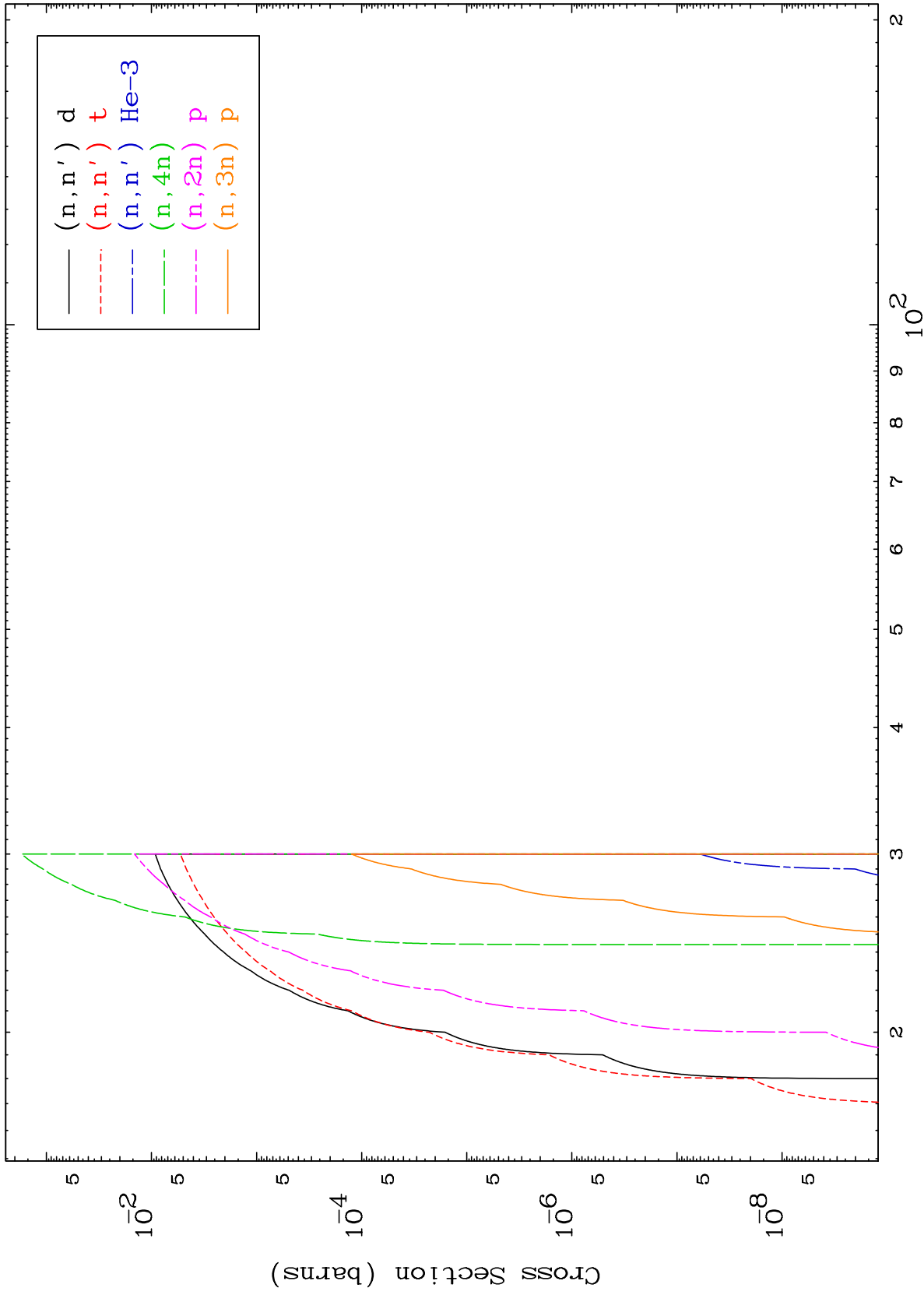
Incident Energy (MeV)

31-Ga-75

MAT 3143

Neutron Production 293 Kelvin Cross Sections

31-Ga-75



3

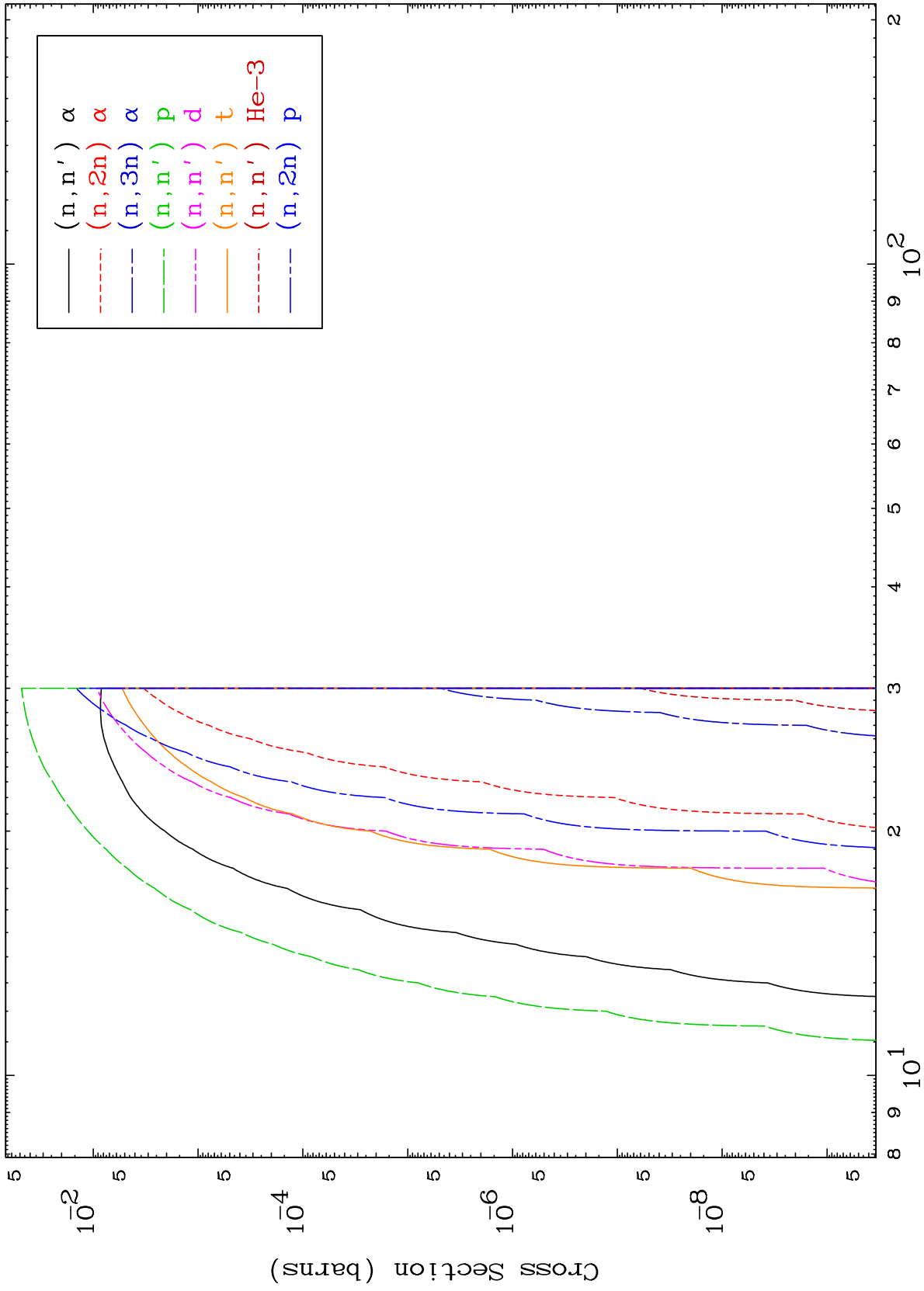
Incident Energy (MeV)

31-Ga-75

MAT 3143

Charged Particle
293 Kelvin Cross Sections

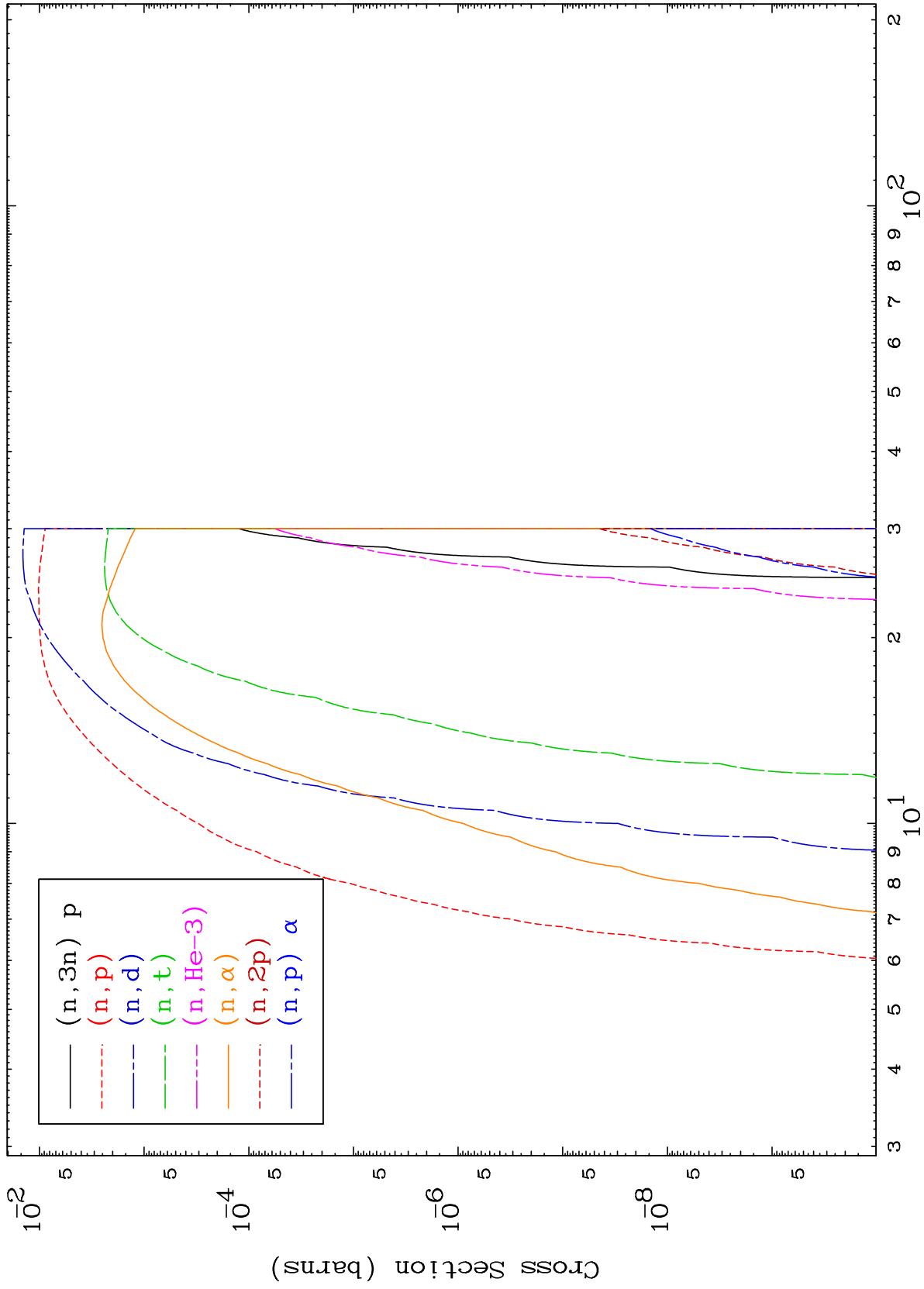
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4

Incident Energy (MeV)

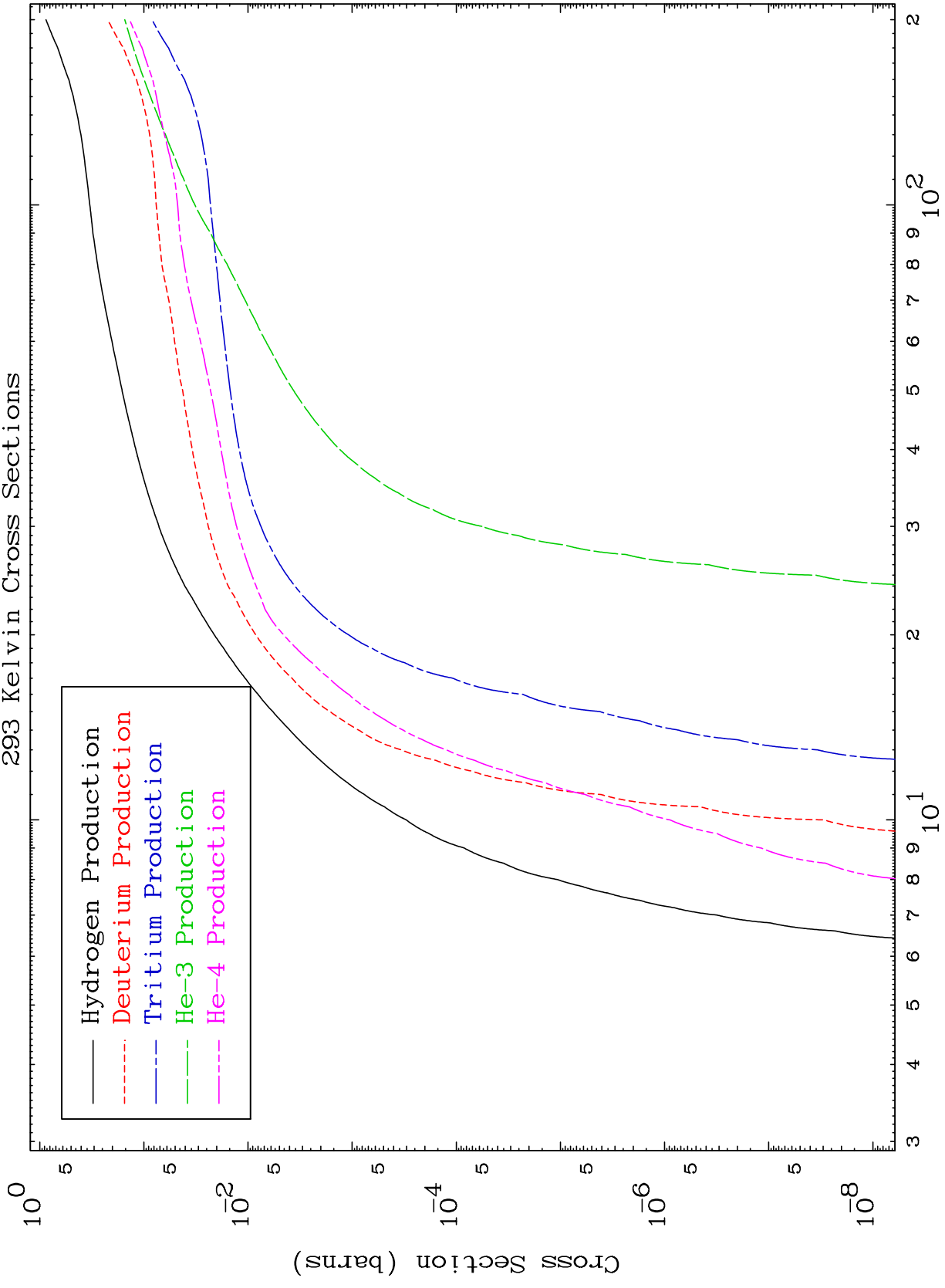
31-Ga-75



MAT 3143

Particle Production
293 Kelvin Cross Sections

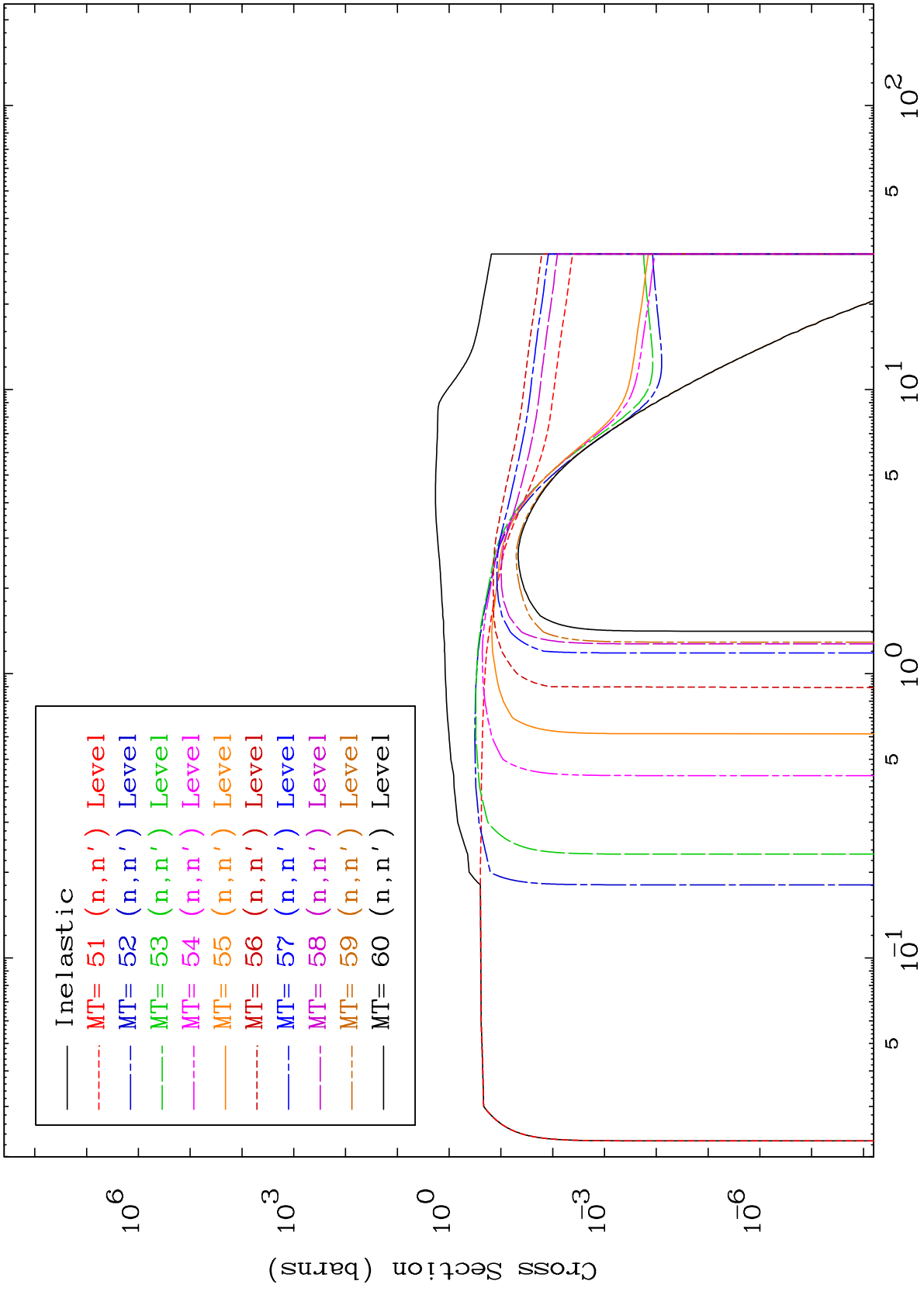
31-Ga-75



6

Incident Energy (MeV)

31-Ga-75

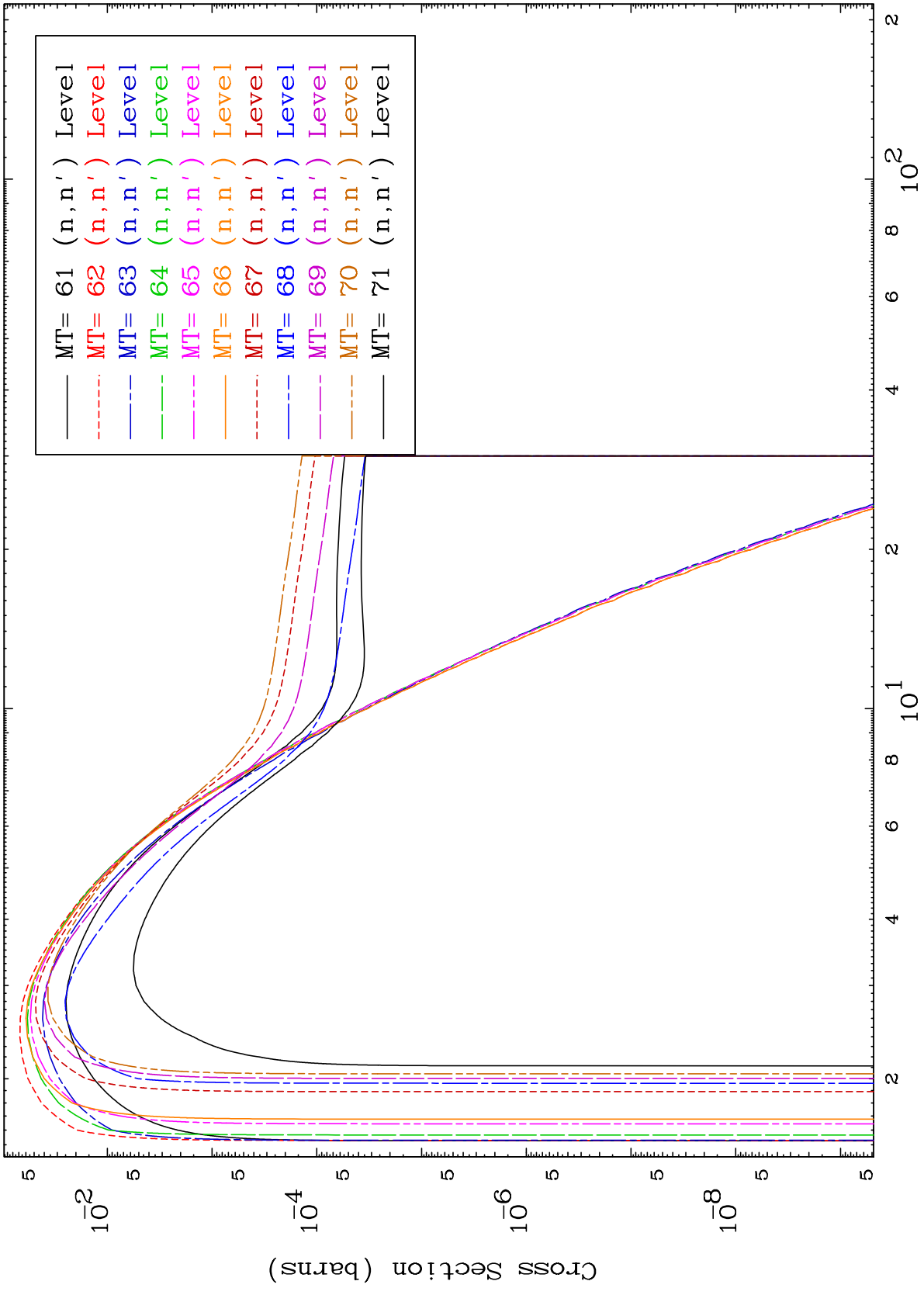


MAT 3143

(n,n') Level

31-Ga-75

293 Kelvin Cross Sections



8

Incident Energy (MeV)

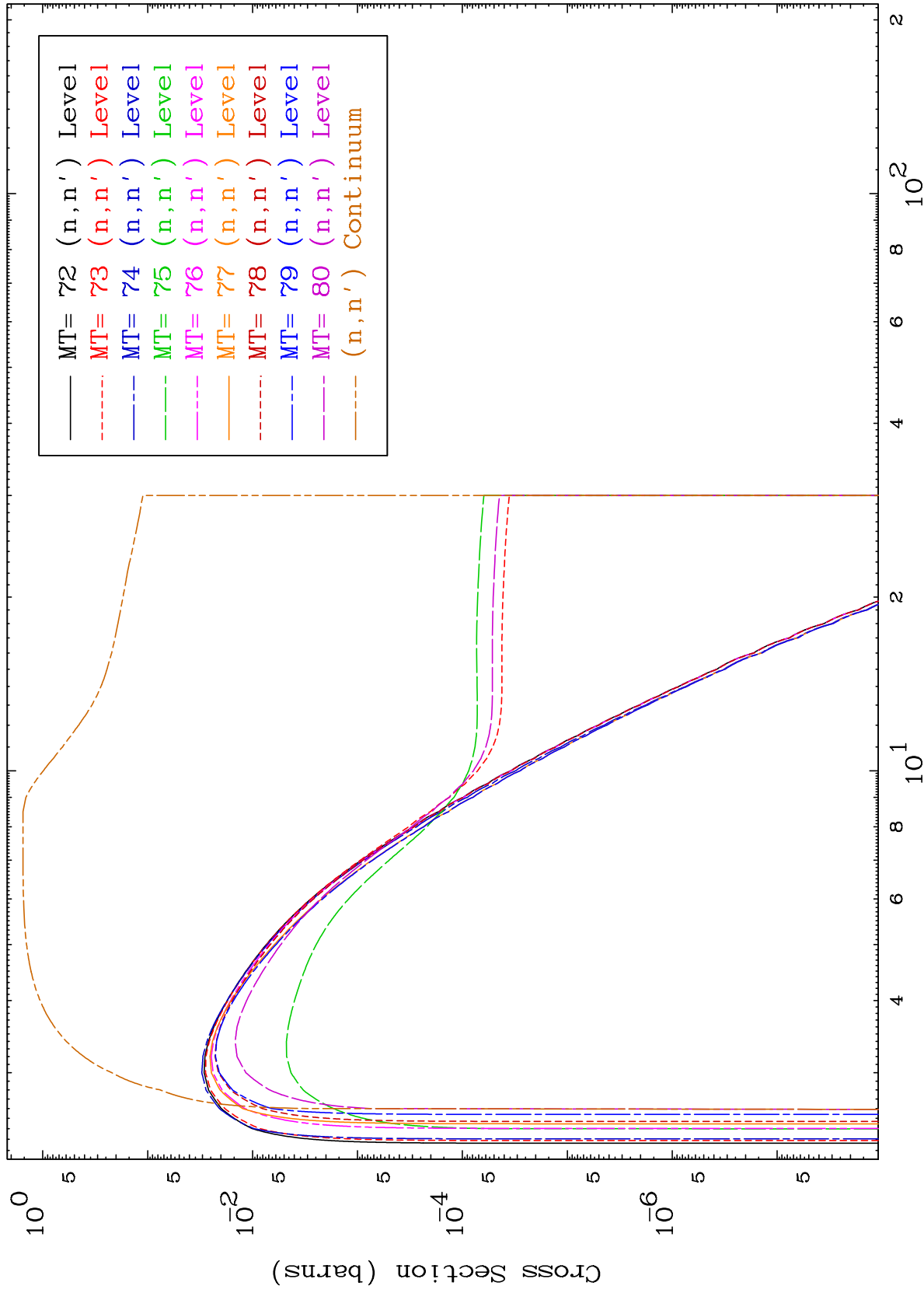
31-Ga-75

MAT 3143

(n,n') Level

31-Ga-75

293 Kelvin Cross Sections



9

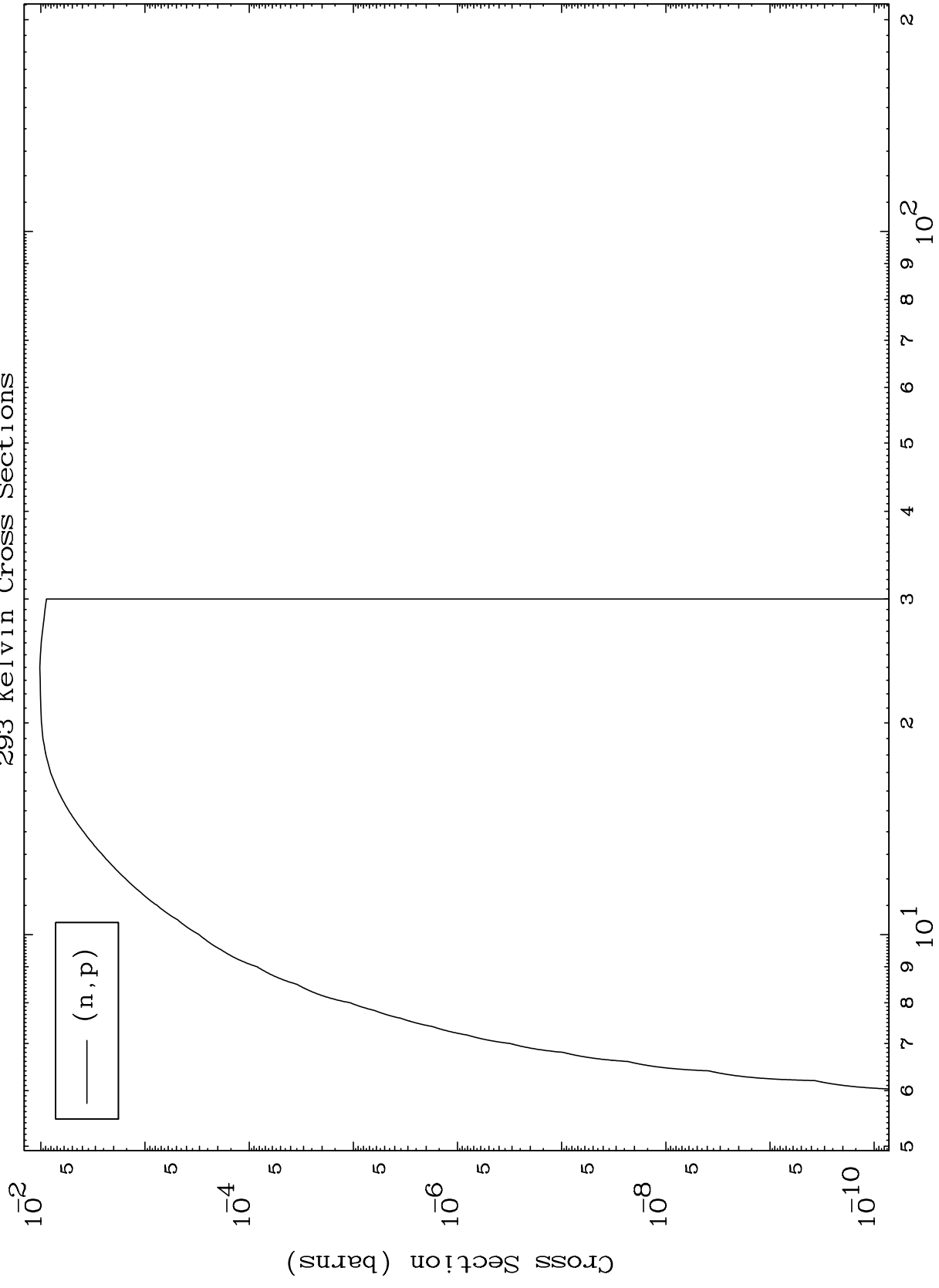
Incident Energy (MeV)

31-Ga-75

MAT 3143

(n,p) Levels
293 Kelvin Cross Sections

31-Ga-75



10

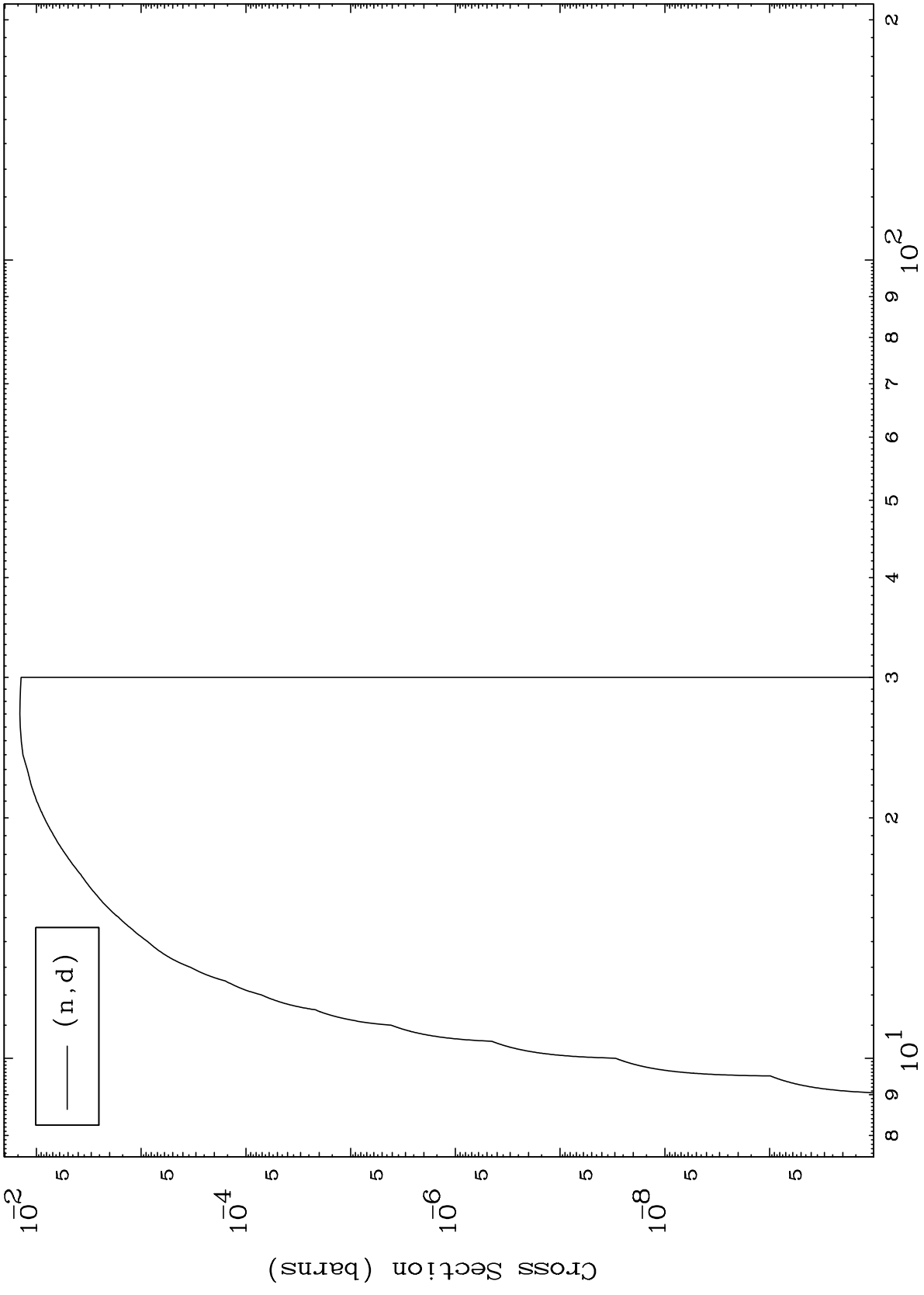
Incident Energy (MeV)

31-Ga-75

MAT 3143

(n,d) Levels
293 Kelvin Cross Sections

31-Ga-75



11

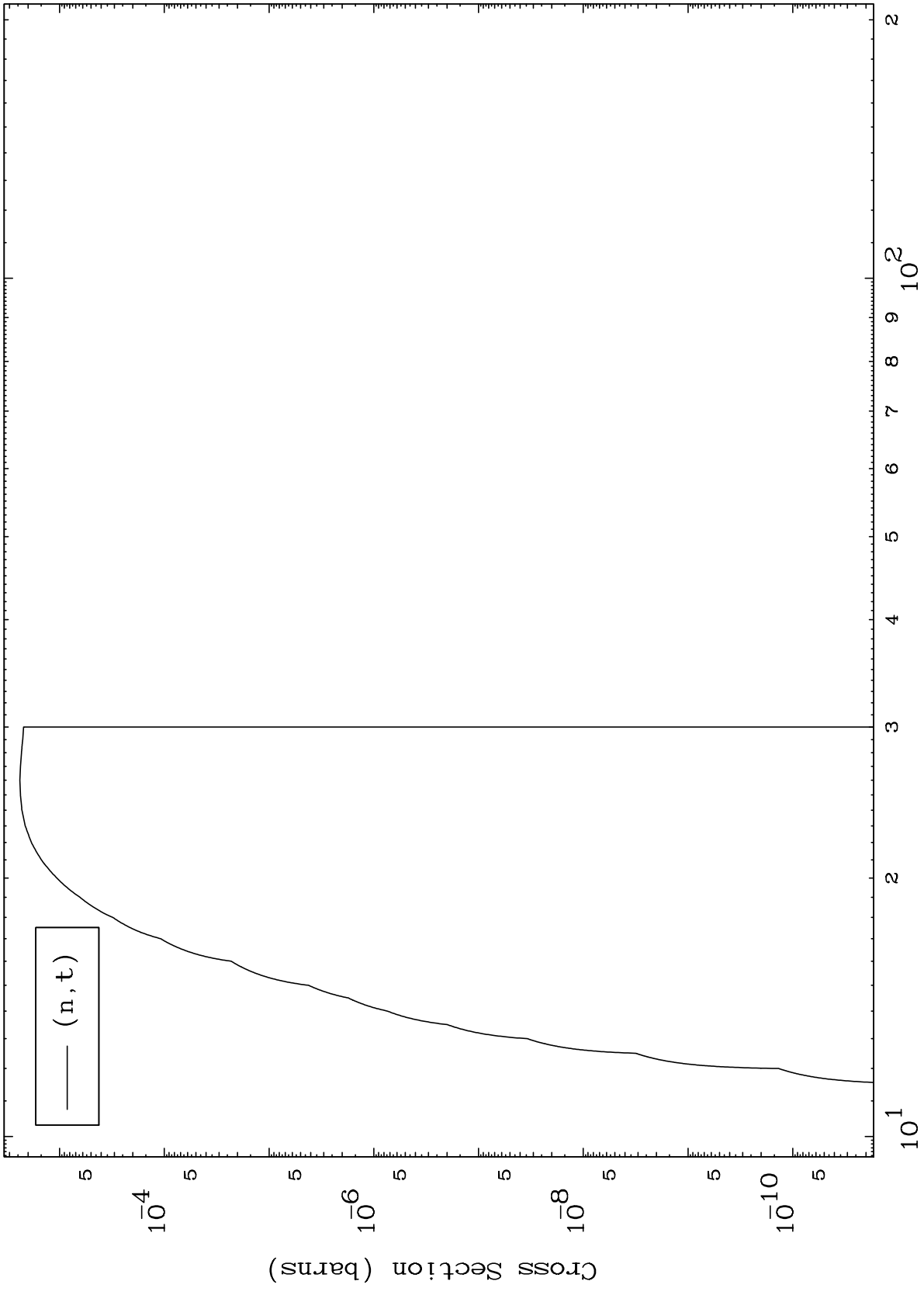
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31-Ga-75

MAT 3143

(n,t) Levels
293 Kelvin Cross Sections

31-Ga-75



12

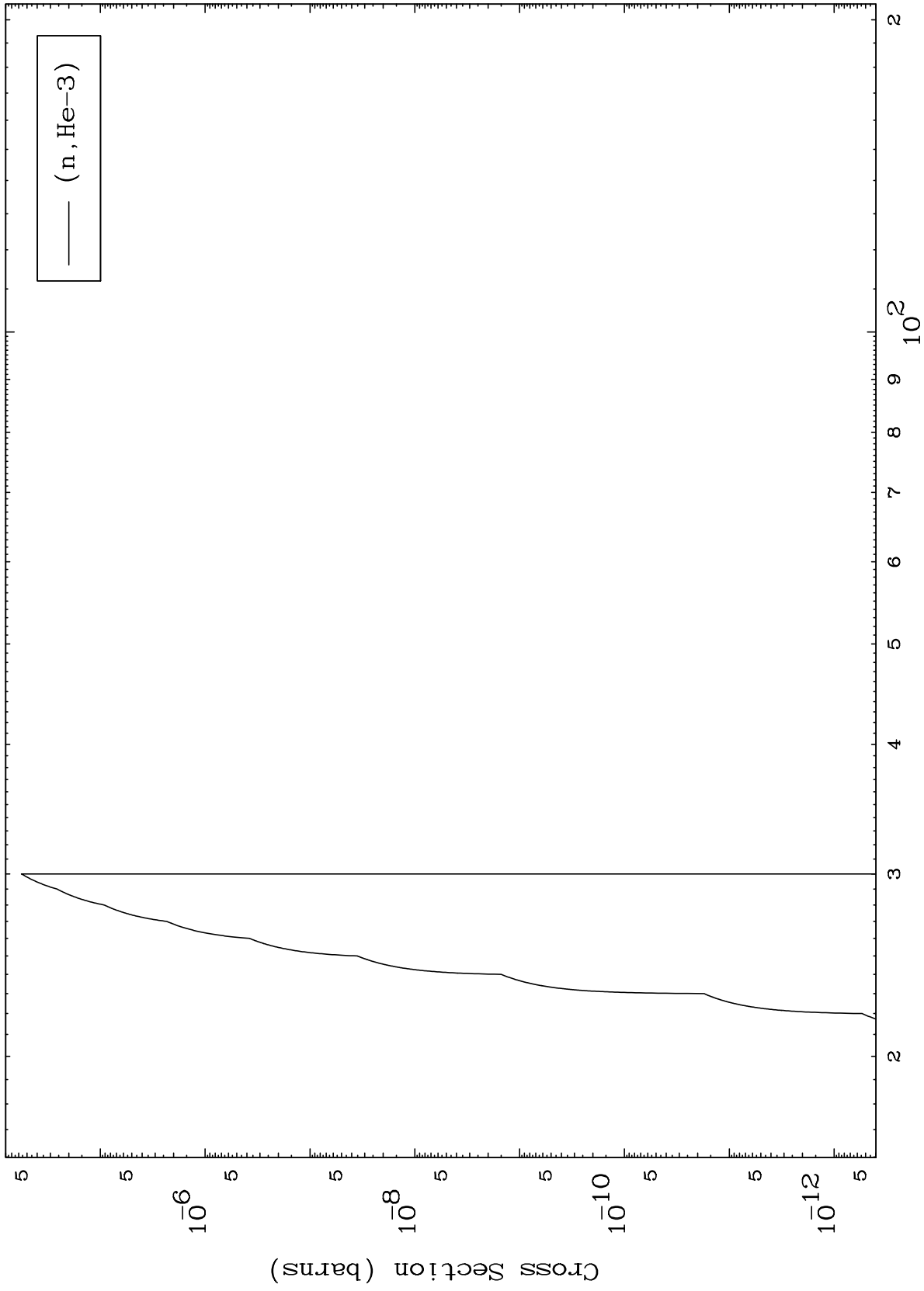
Incident Energy (MeV)

31-Ga-75

MAT 3143

(n,He3) Levels
293 Kelvin Cross Sections

31-Ga-75



13

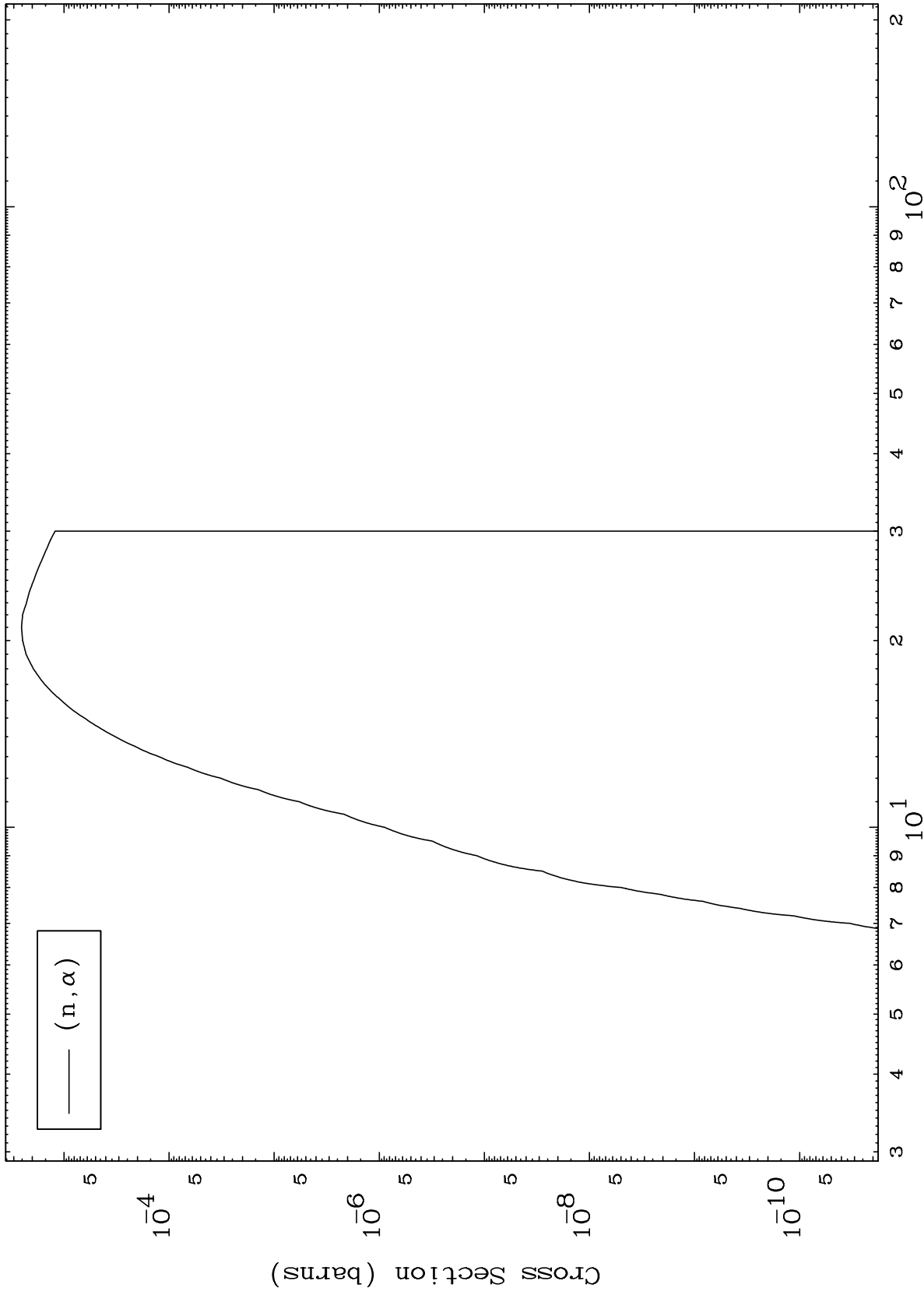
Incident Energy (MeV)

31-Ga-75

MAT 3143

(n,α) Levels
293 Kelvin Cross Sections

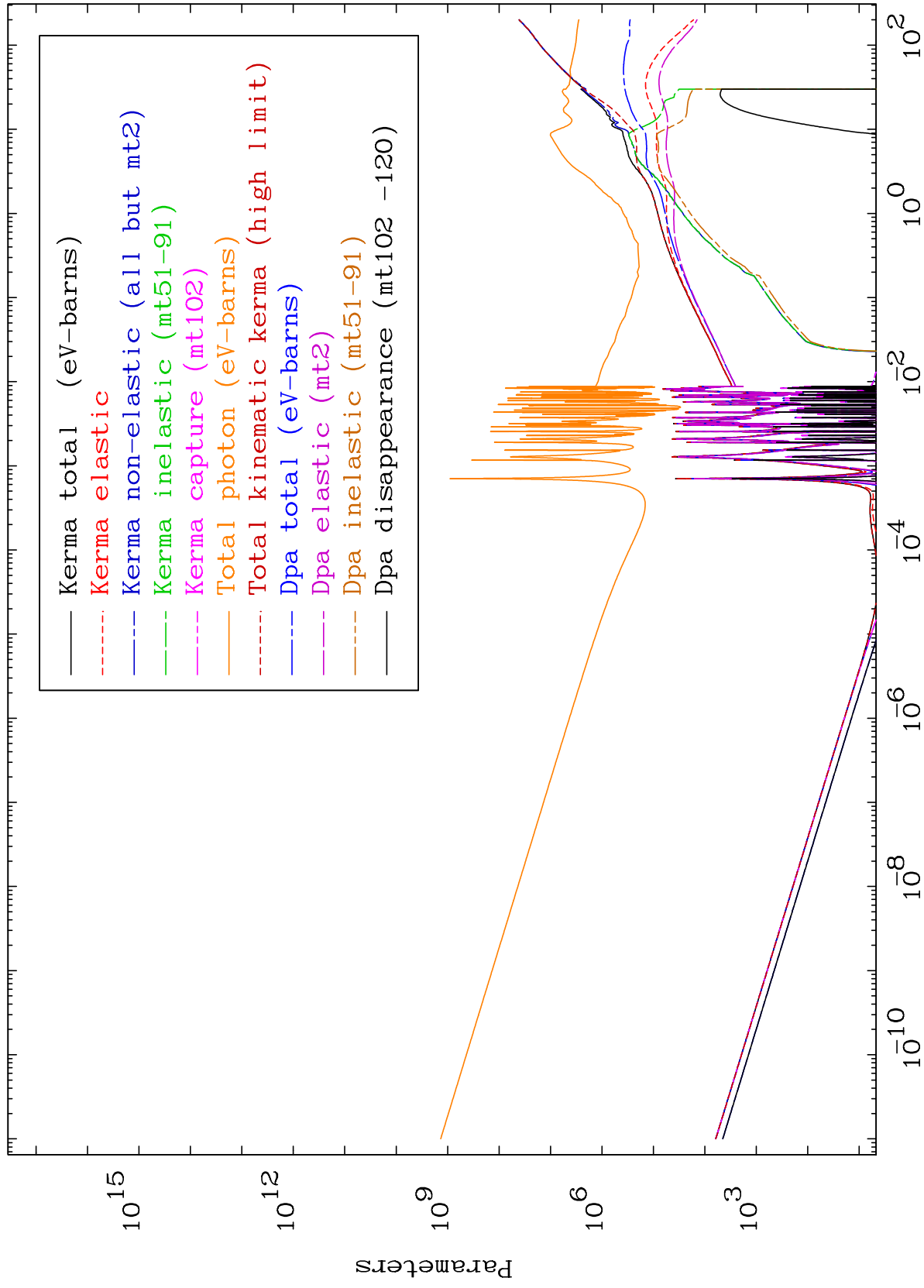
31-Ga-75



14

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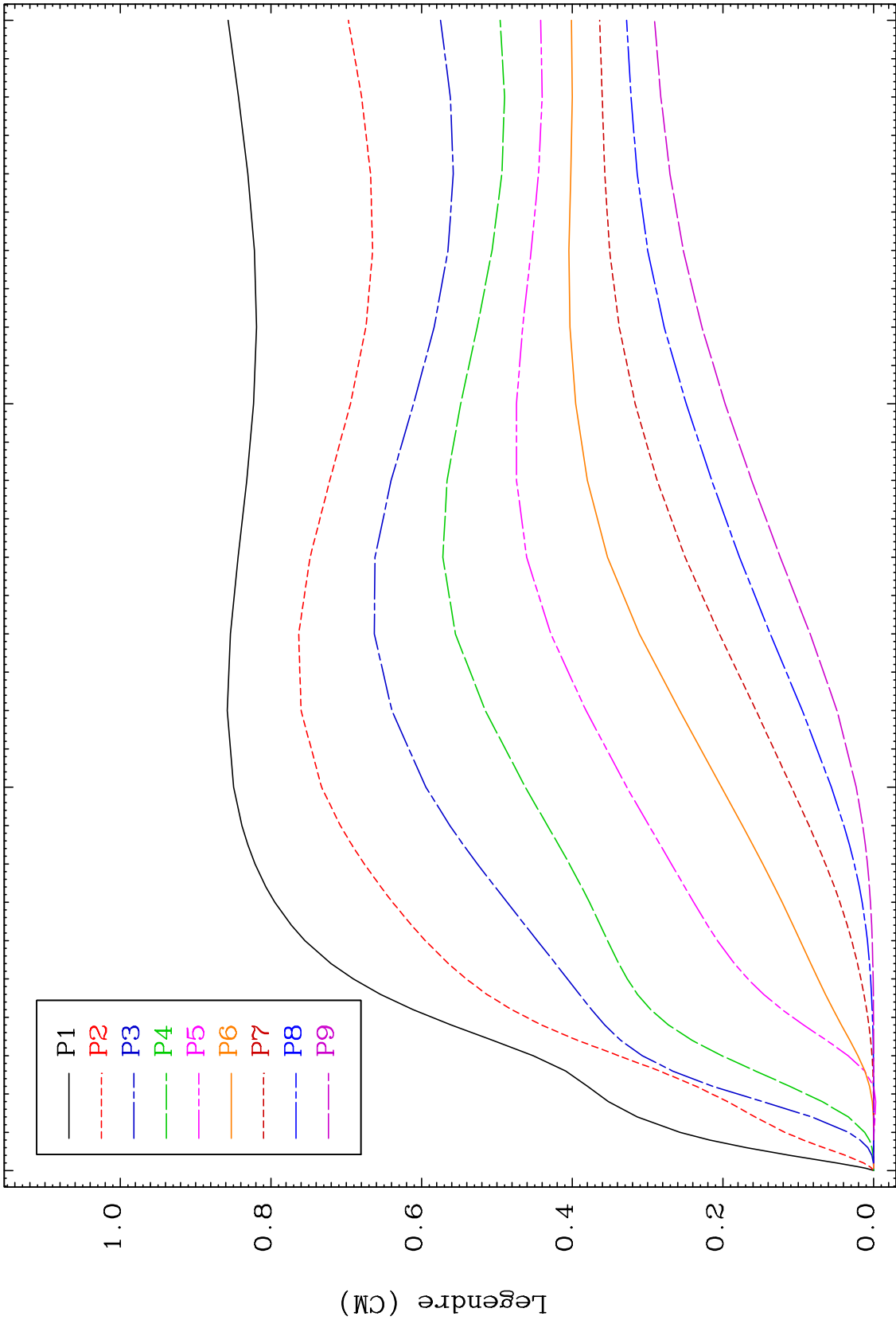
31-Ga-75



MAT 3143

Elastic Legendre Coefficients

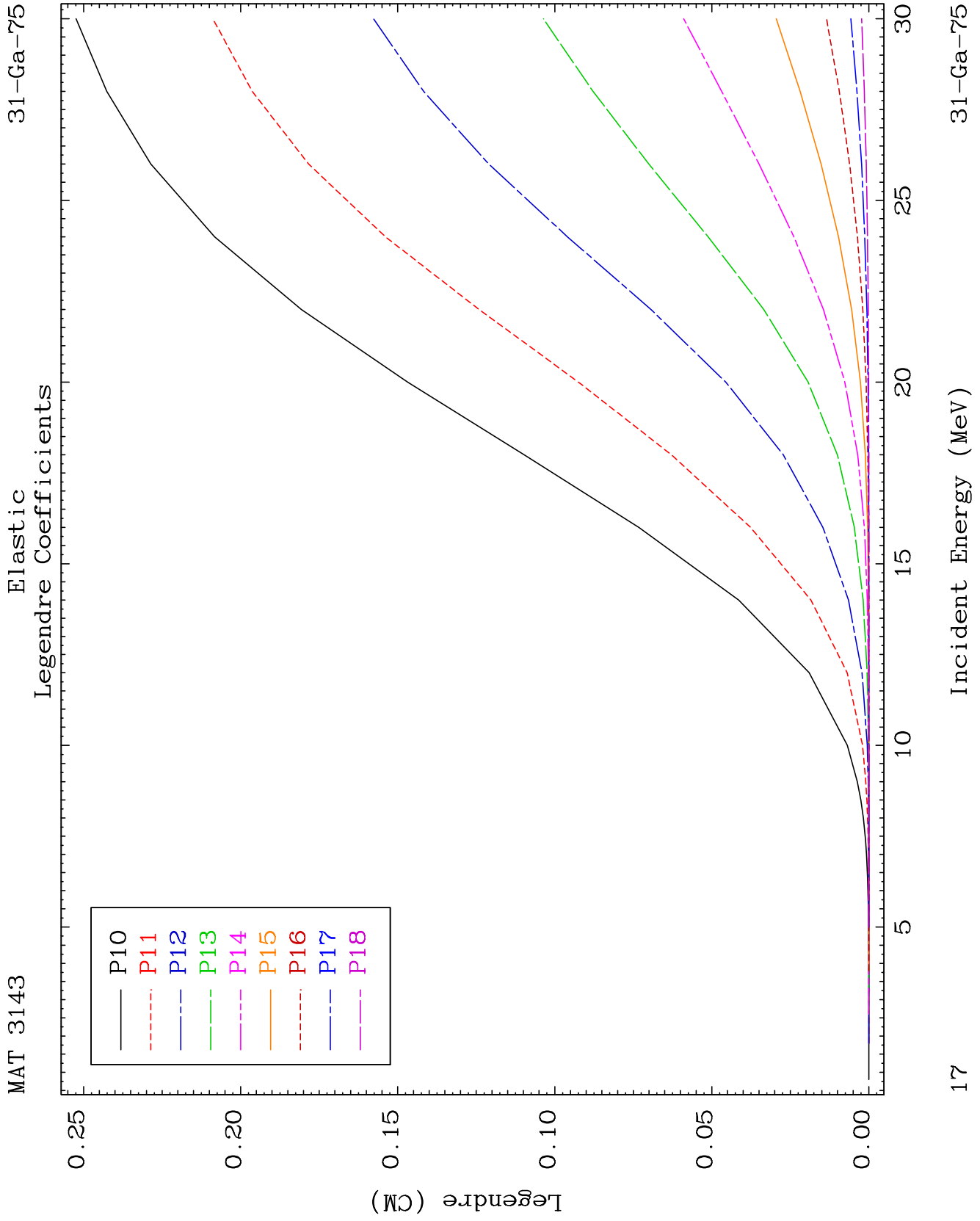
31-Ga-75



16

Incident Energy (MeV)

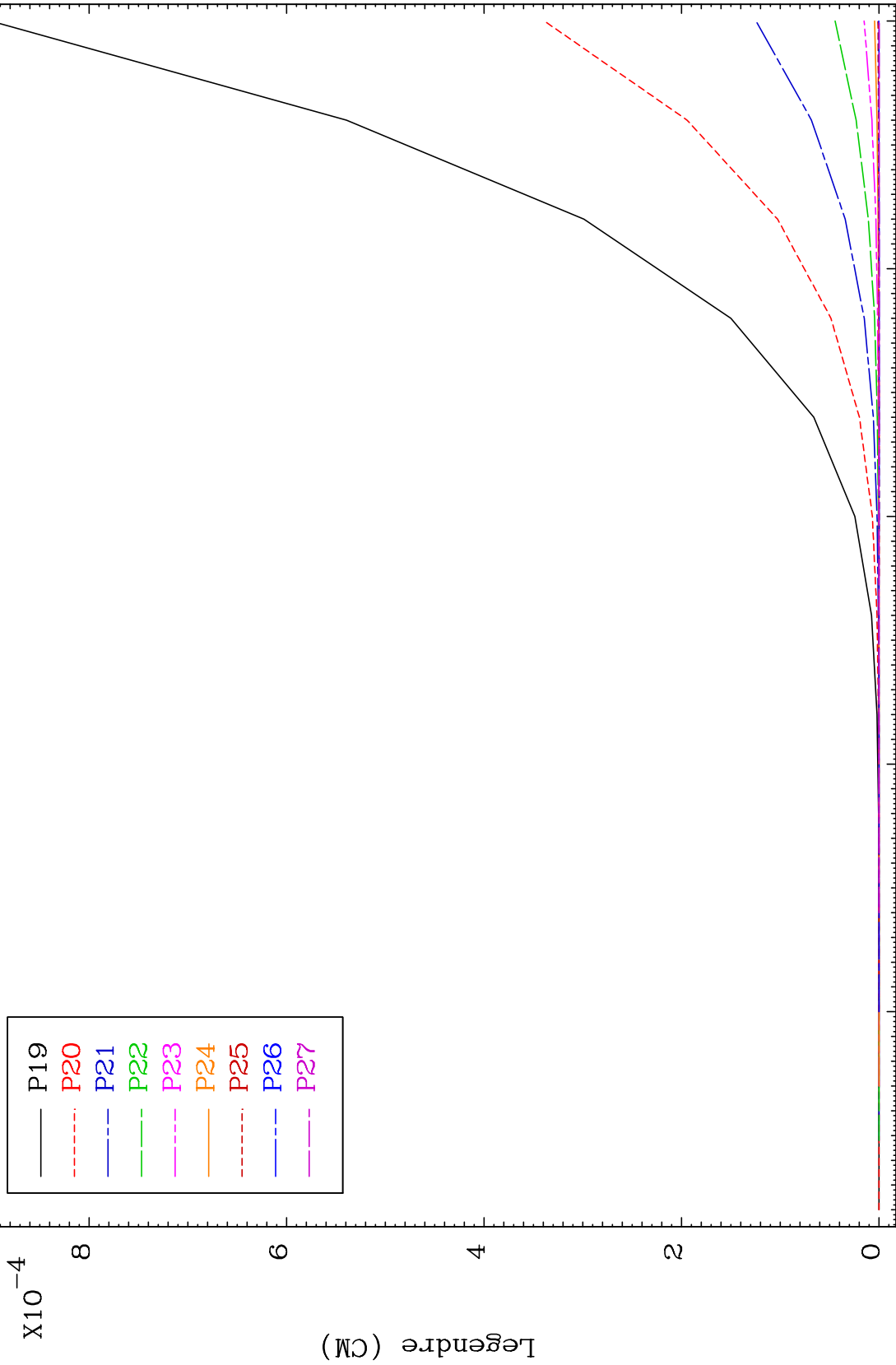
31-Ga-75



MAT 3143

Elastic Legendre Coefficients

31-Ga-75



18

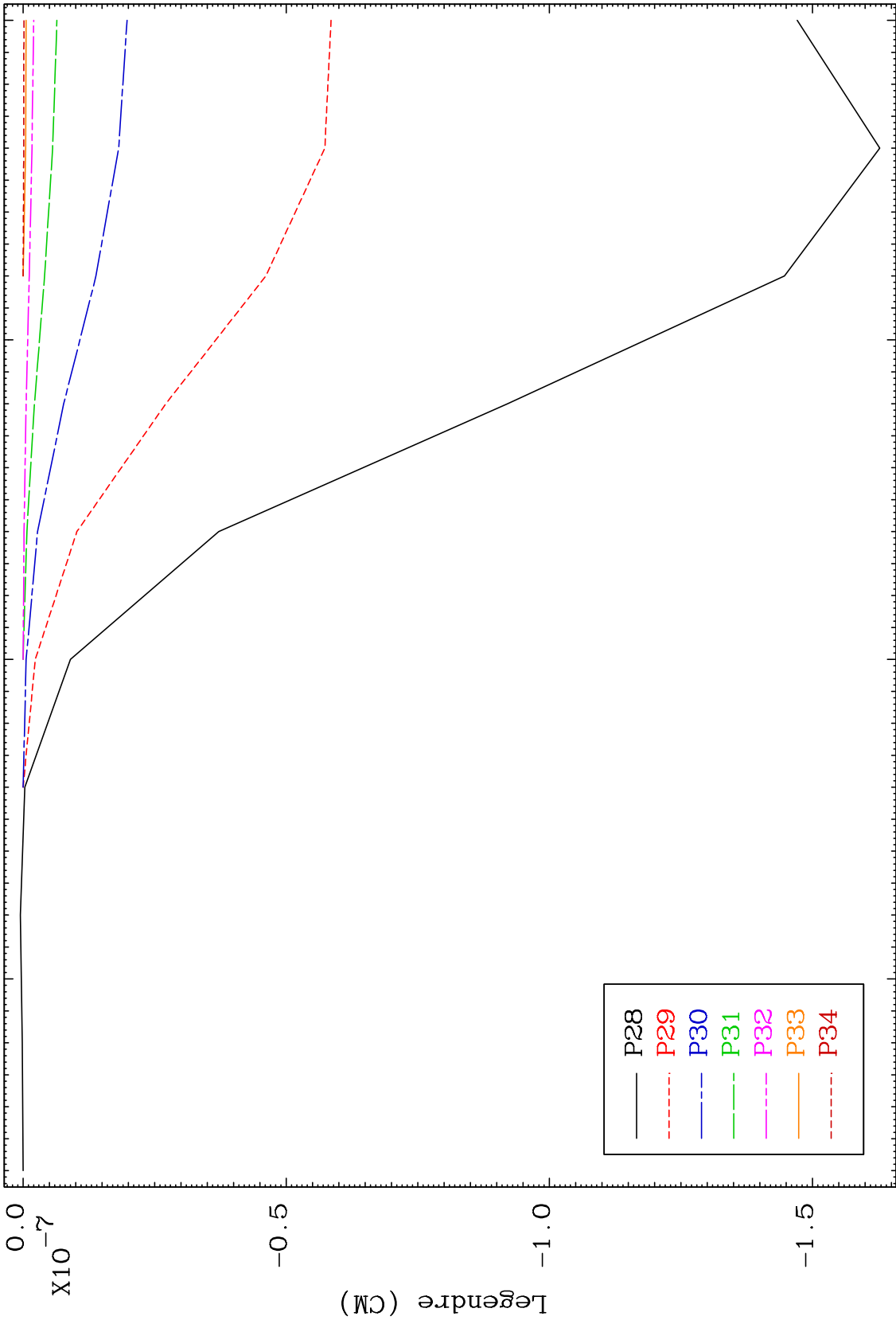
Incident Energy (MeV)

31-Ga-75

MAT 3143

31-Ga-75

Elastic Legendre Coefficients



19

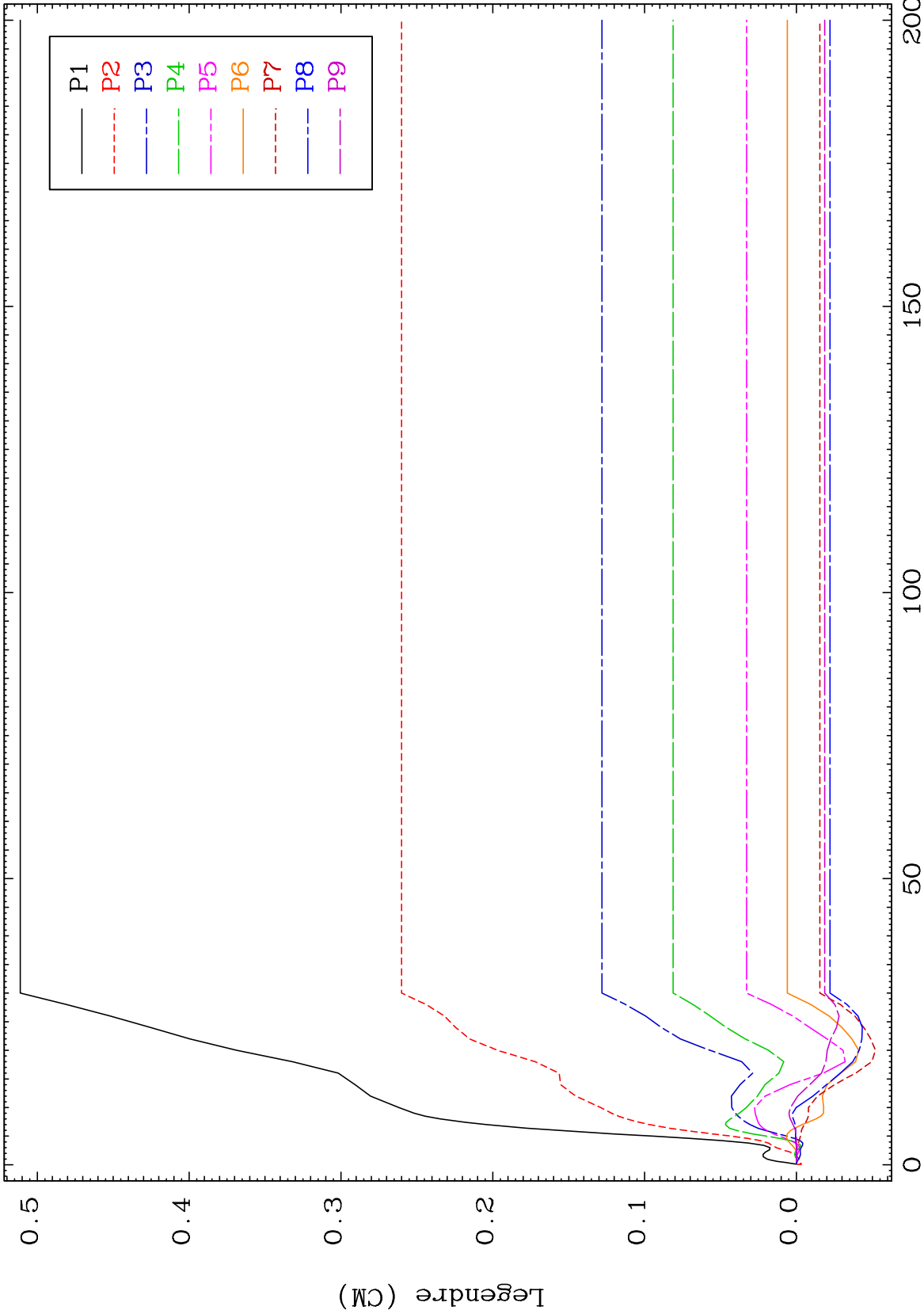
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

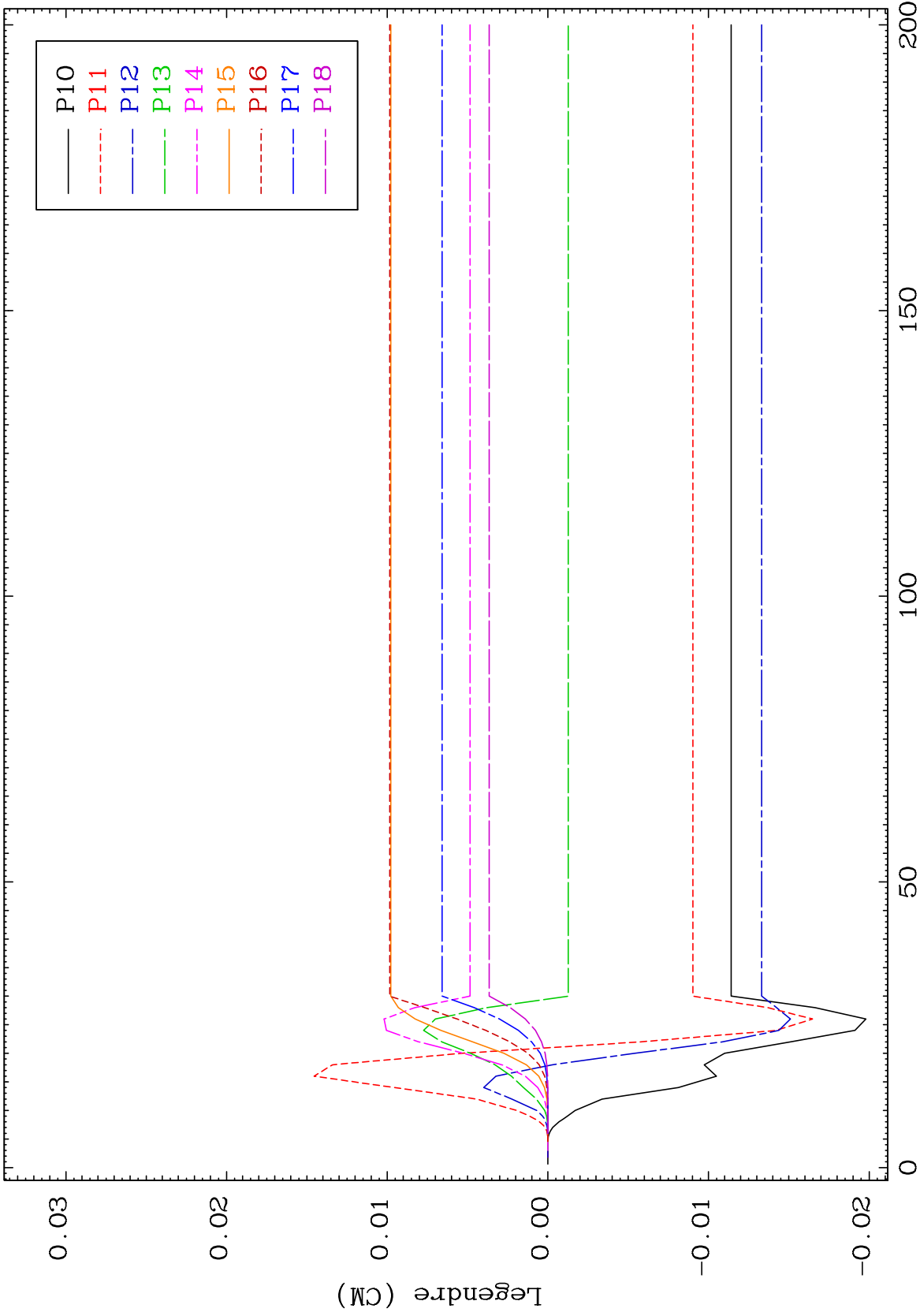
31-Ga-75



MAT 3143

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

31-Ga-75



21

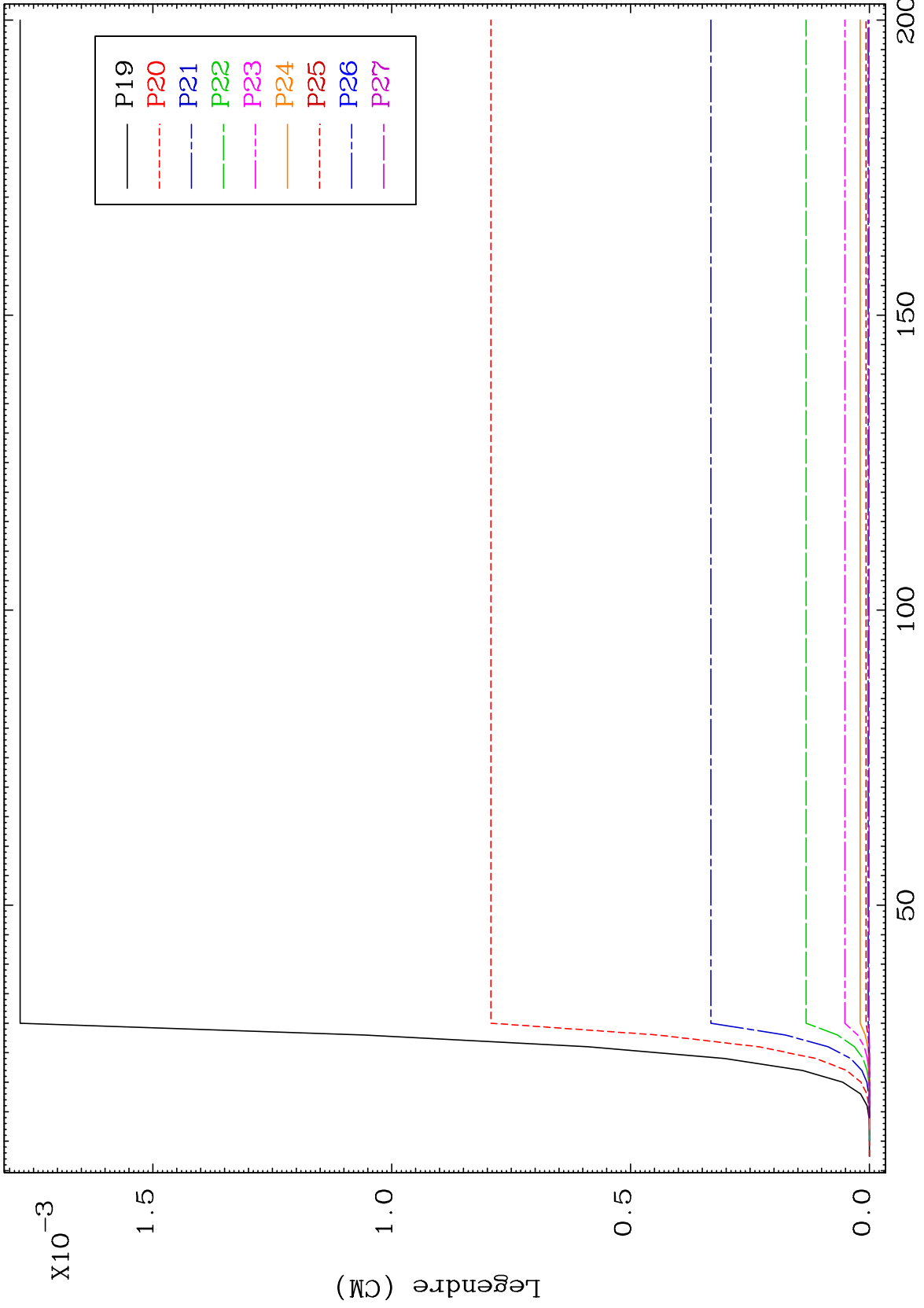
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



22

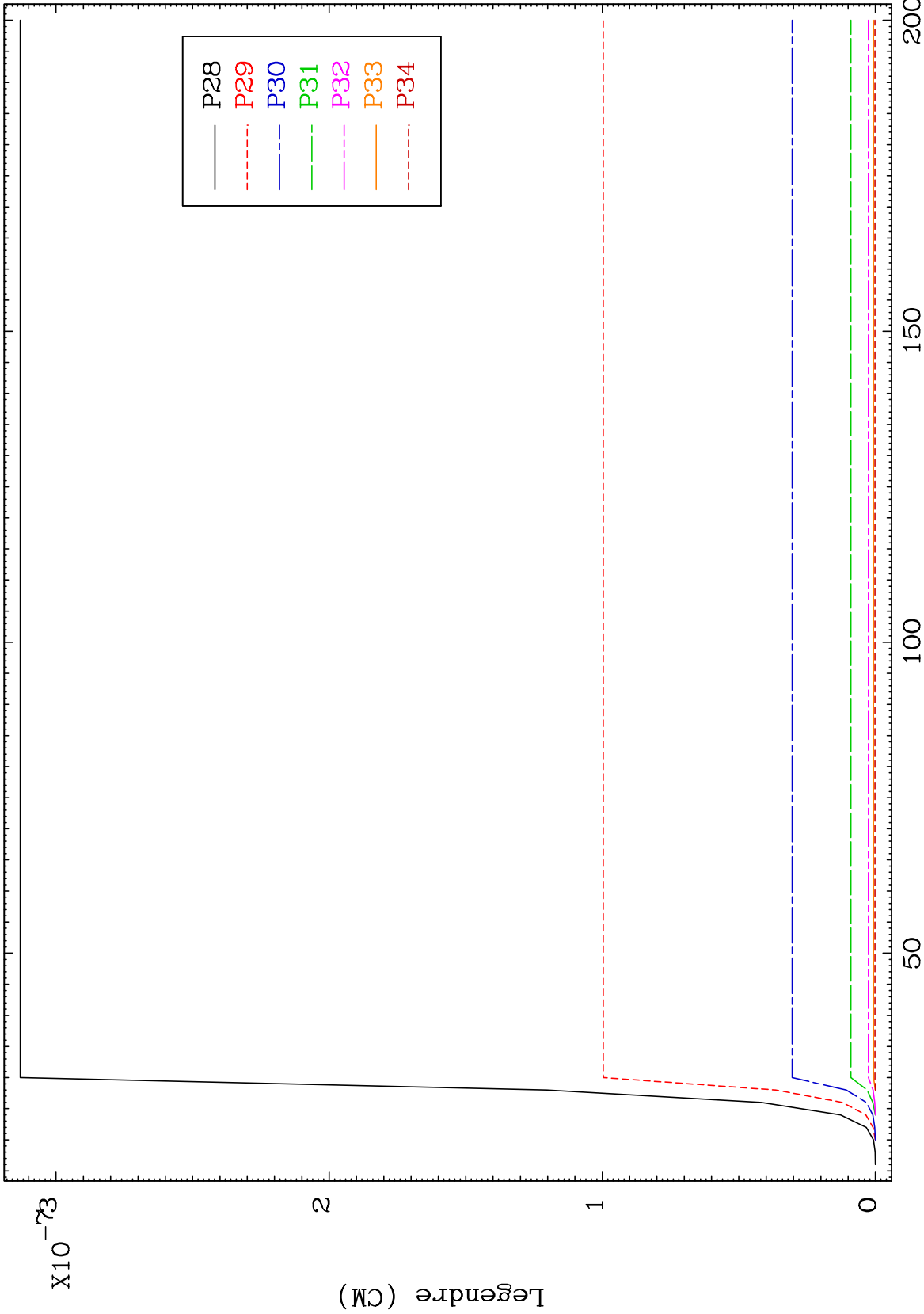
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



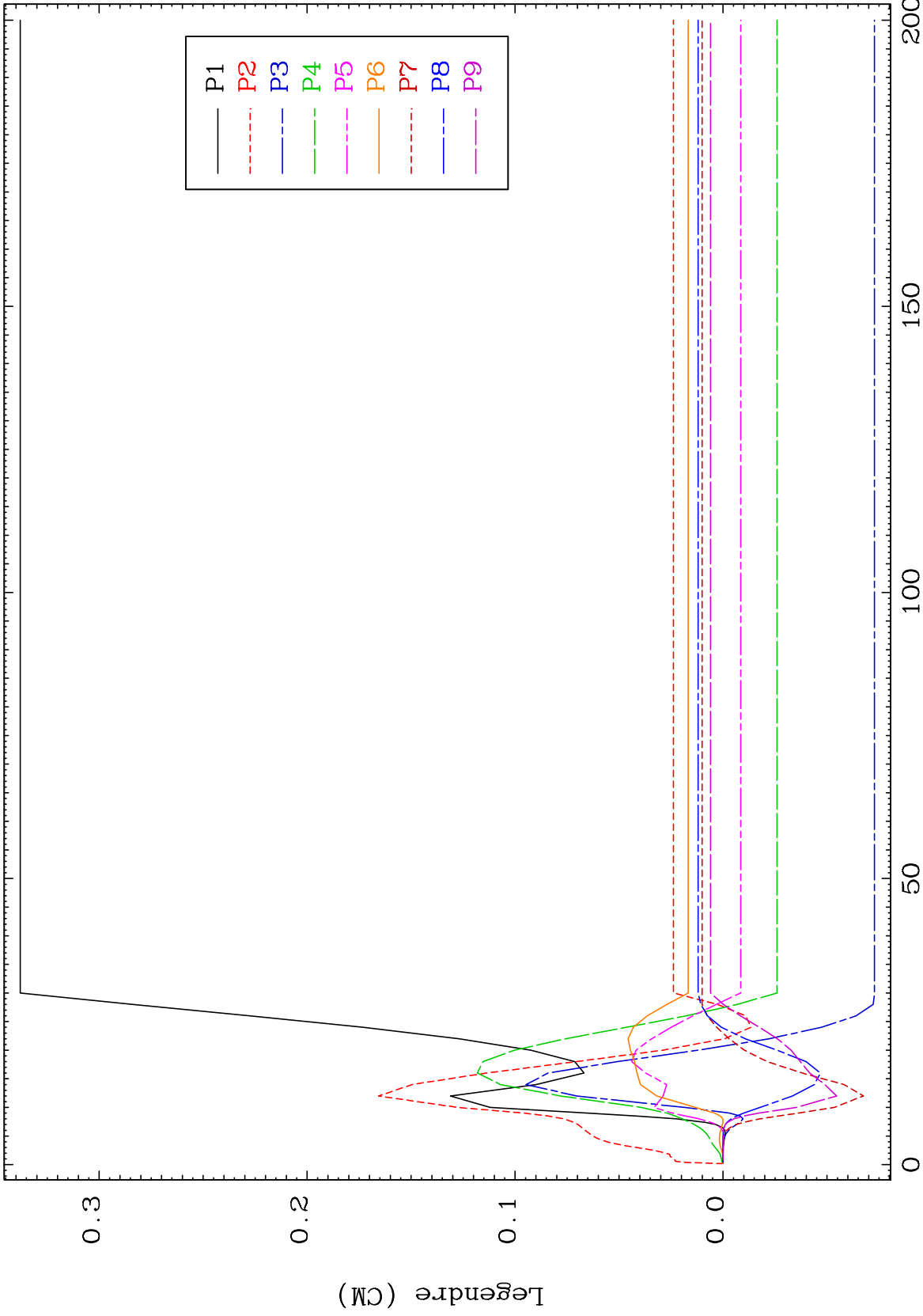
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31-Ga-75

MAT 3143

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

31-Ga-75



24

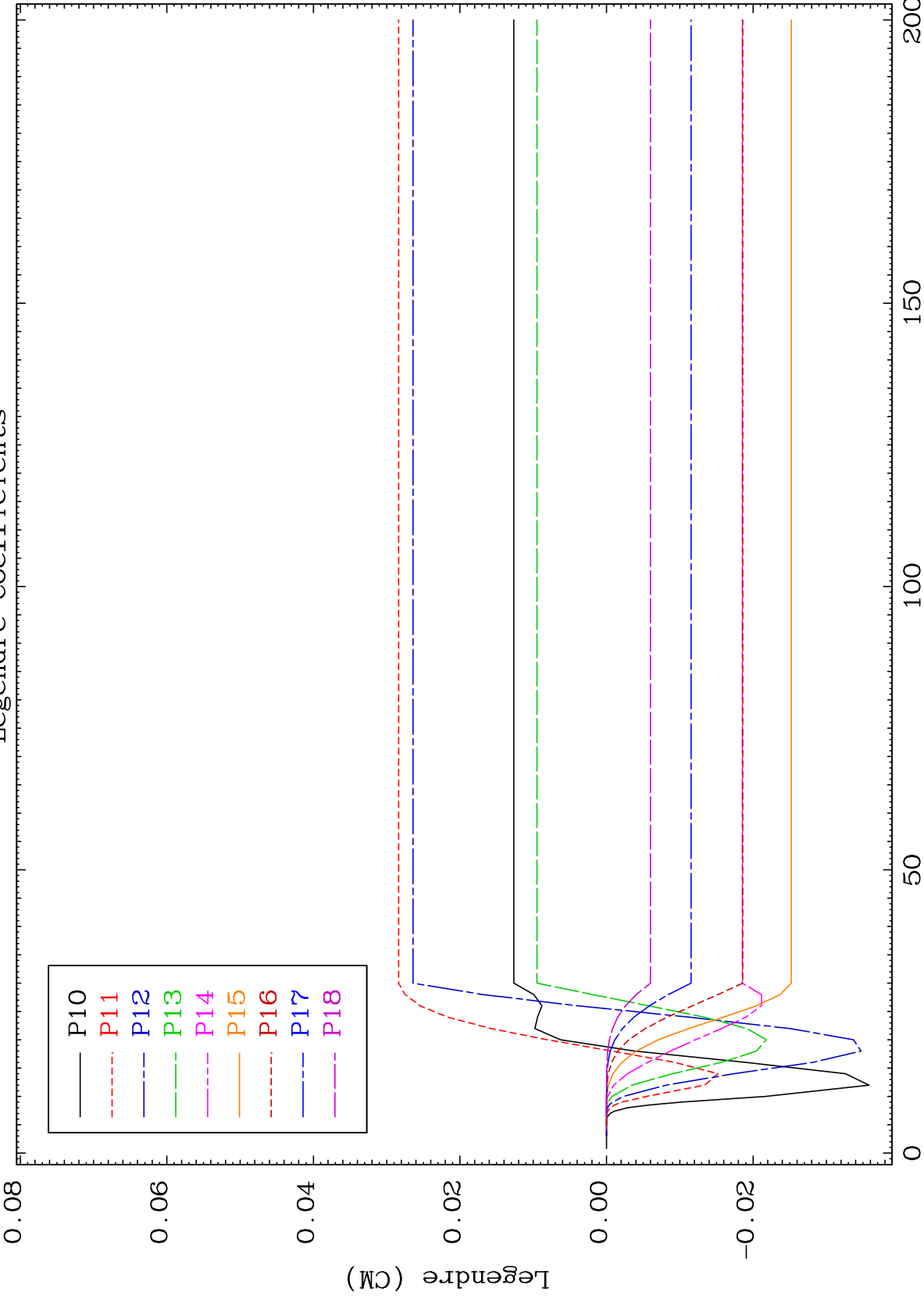
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

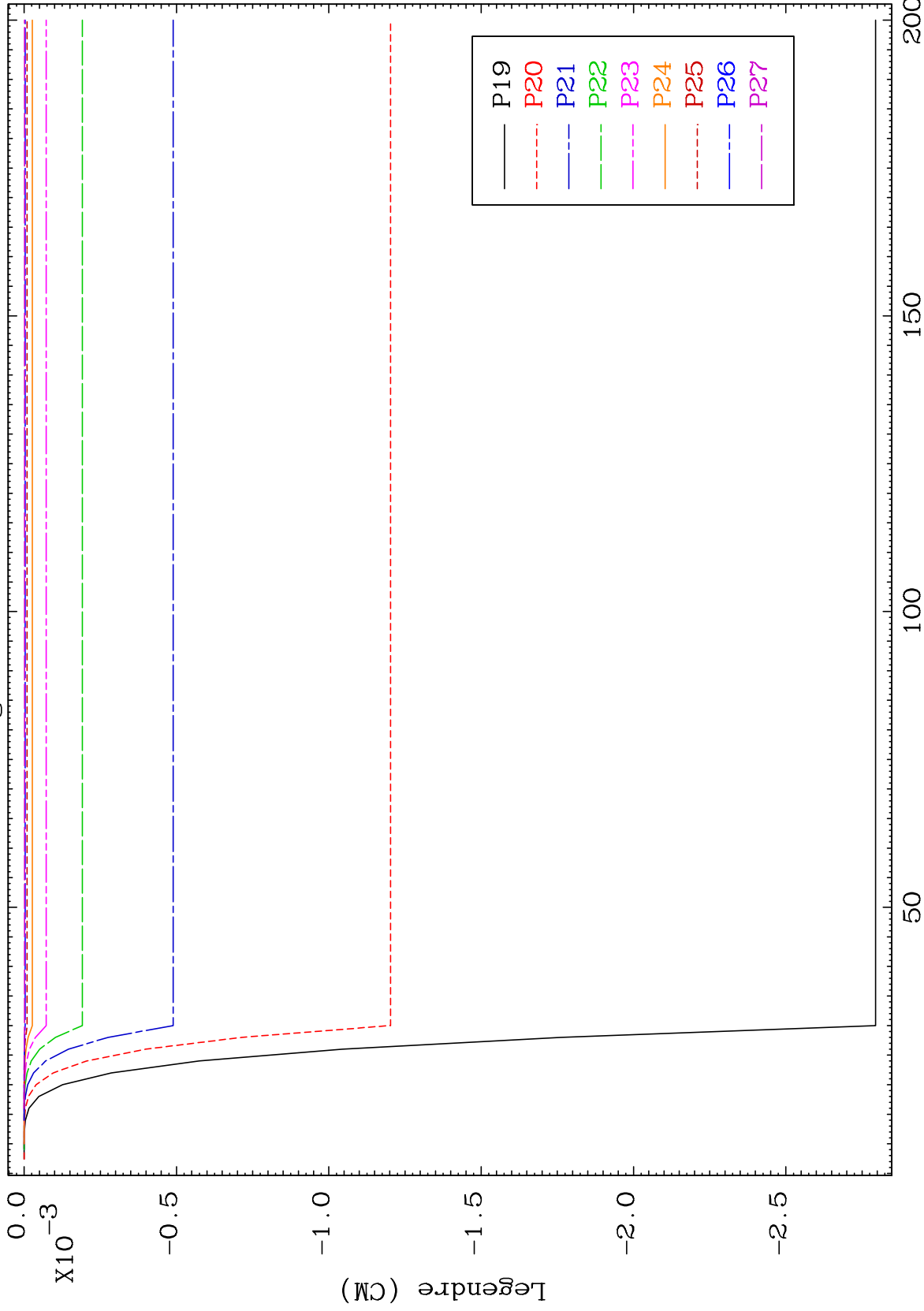
31-Ga-75



31-Ga-75

Incident Energy (MeV)

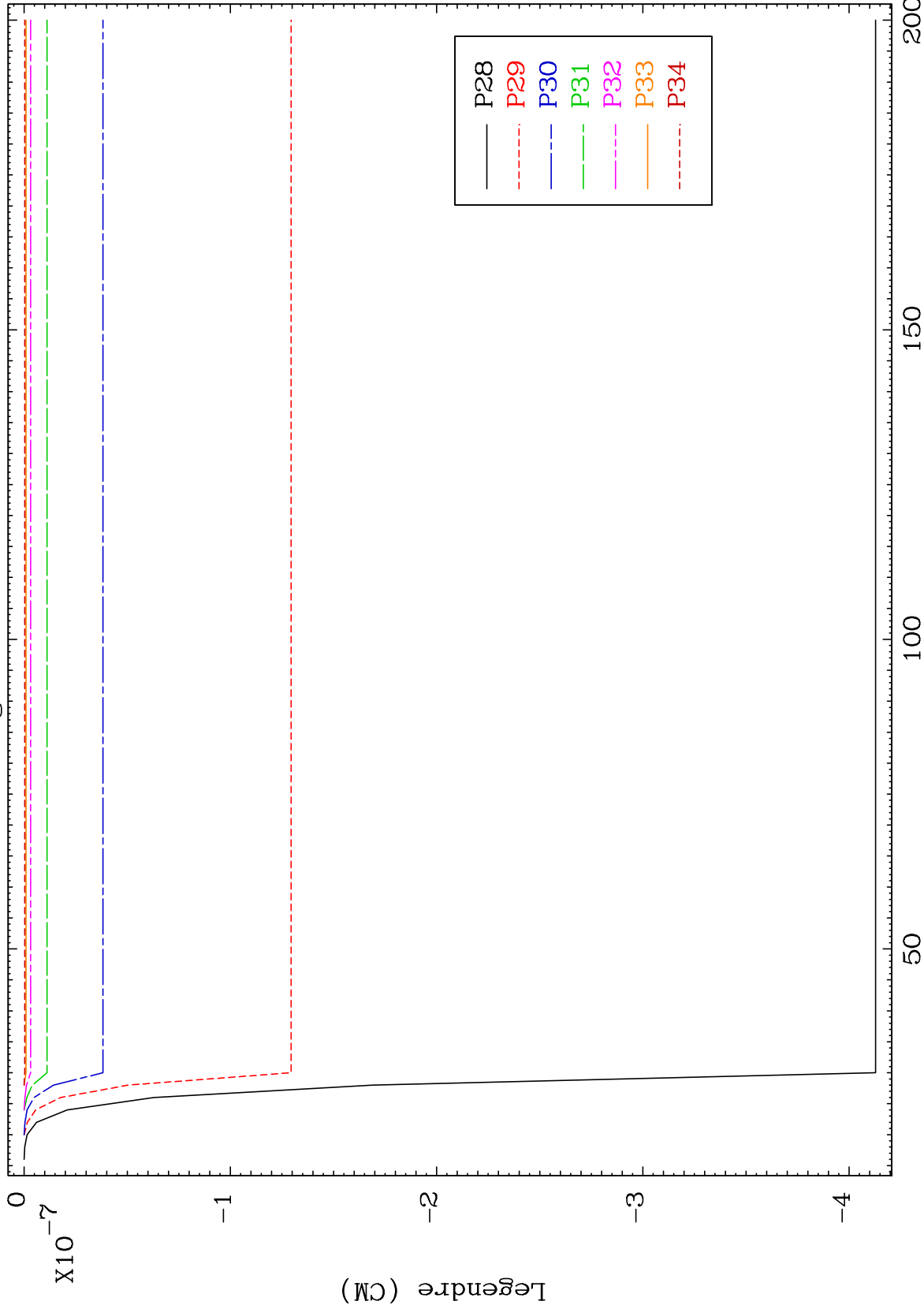
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MAT 3143

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

31-Ga-75



31-Ga-75

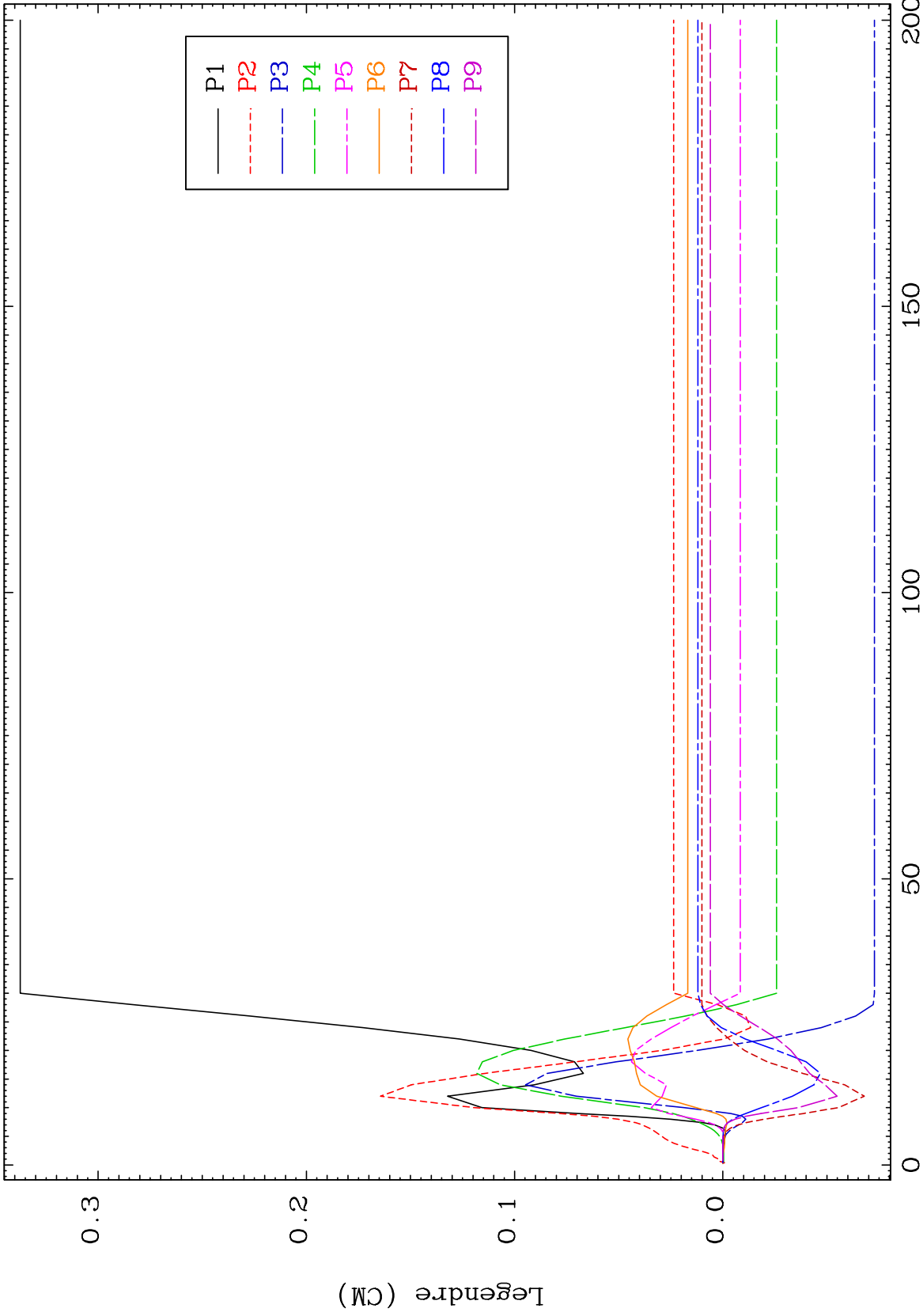
Incident Energy (MeV)

27

MAT 3143

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

31-Ga-75



28

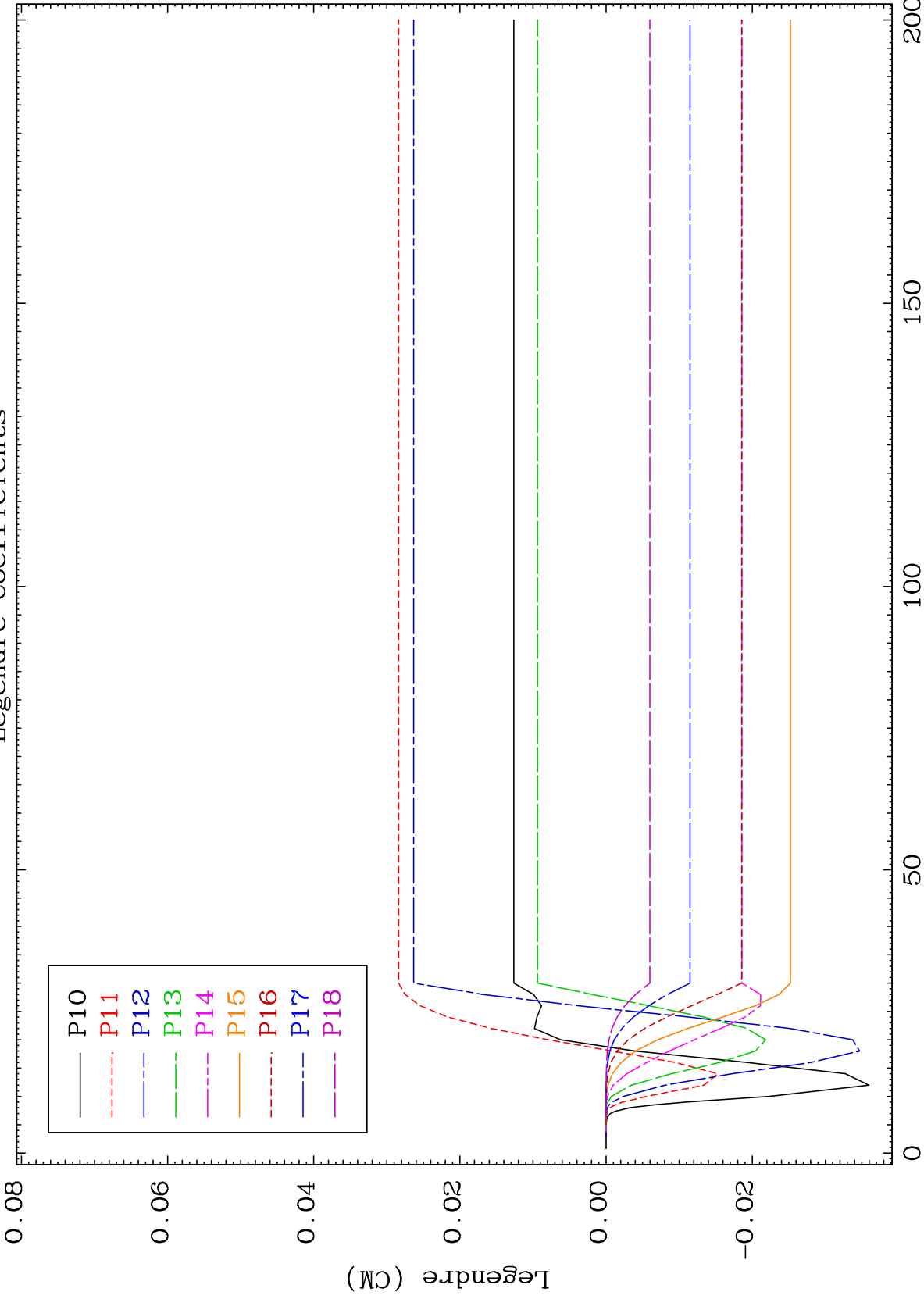
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



29

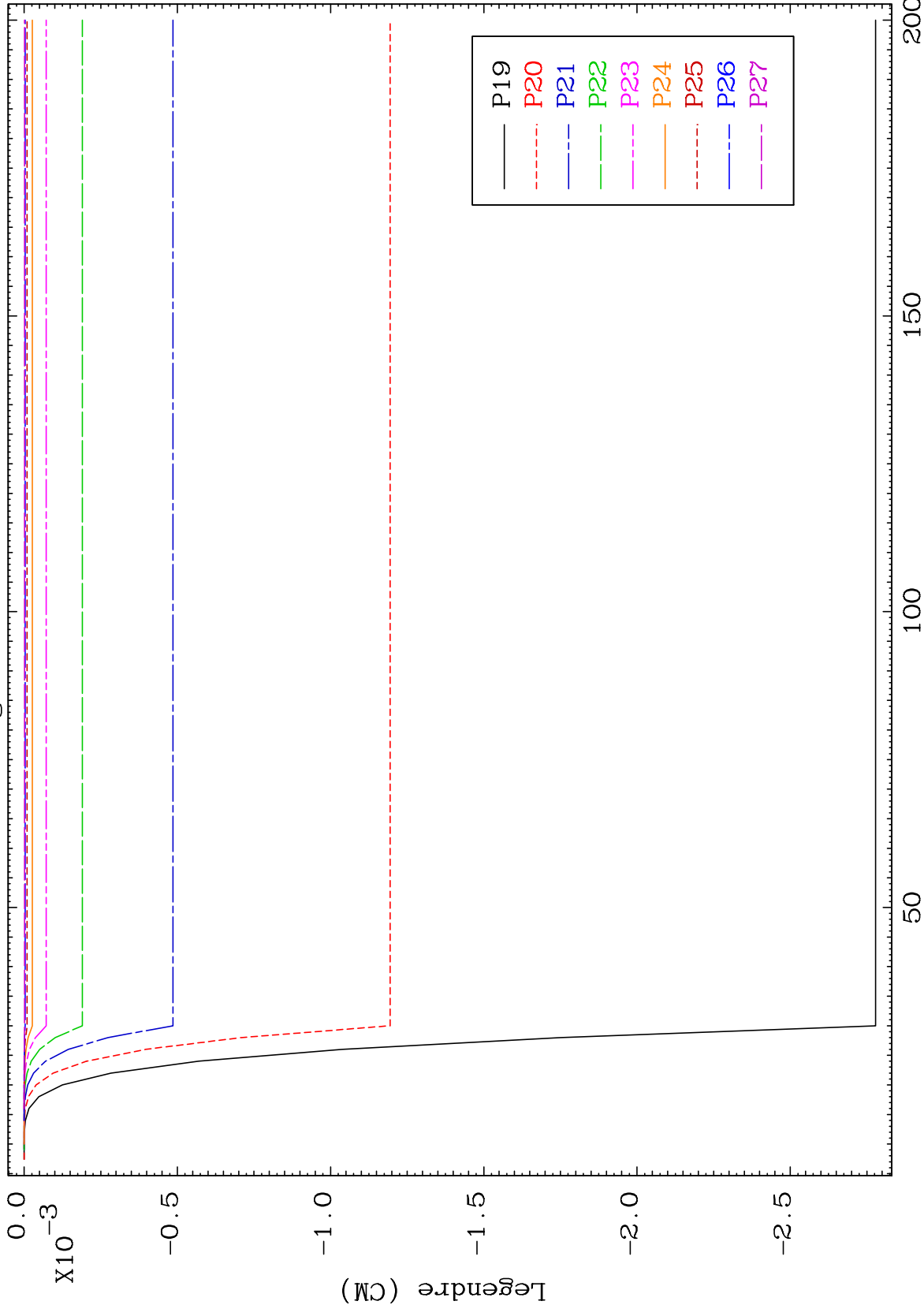
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75

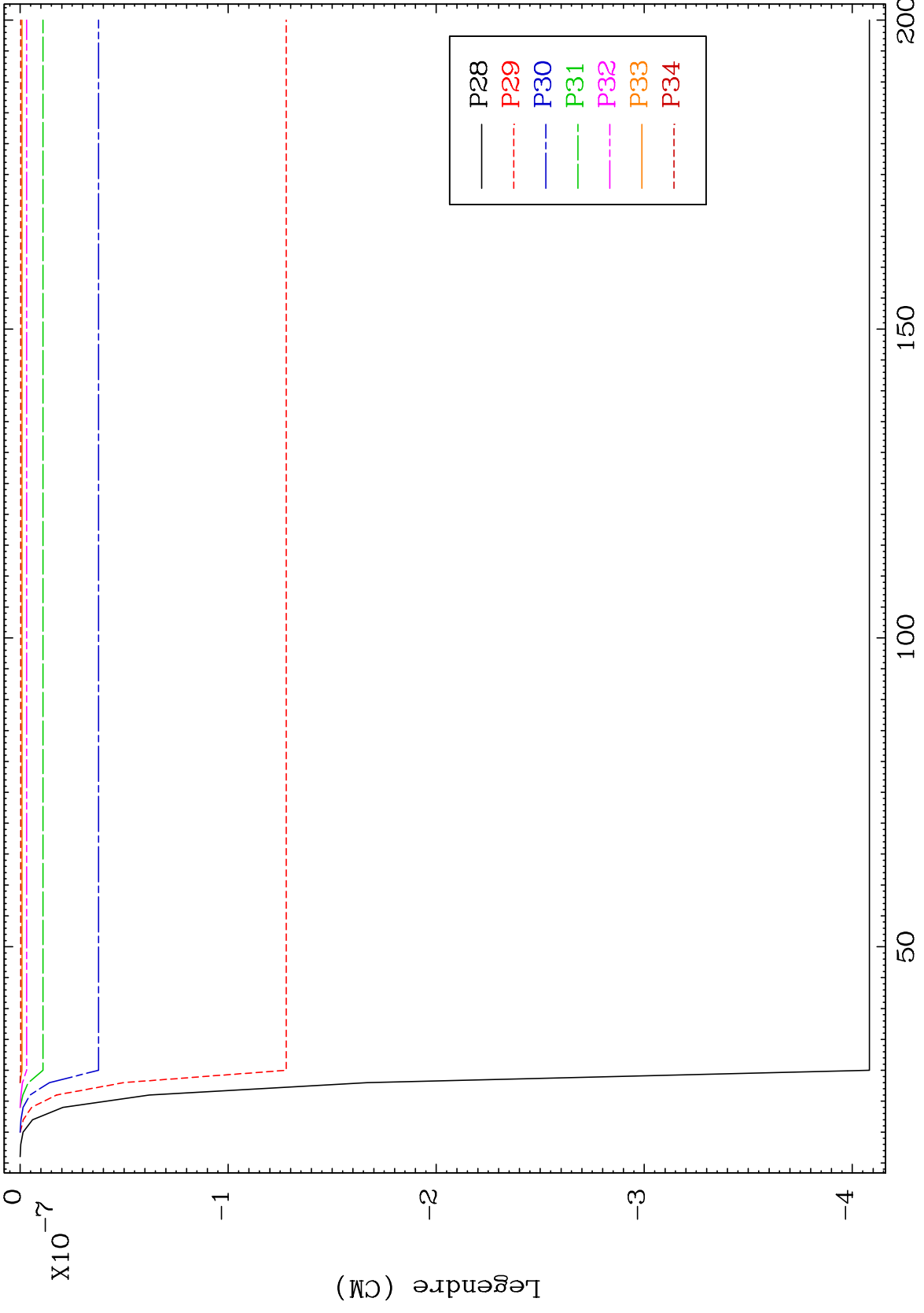


30

Incident Energy (MeV)

31-Ga-75

MAT 3143 MT= 53 (n,n') Level Legendre Coefficients 31-Ga-75

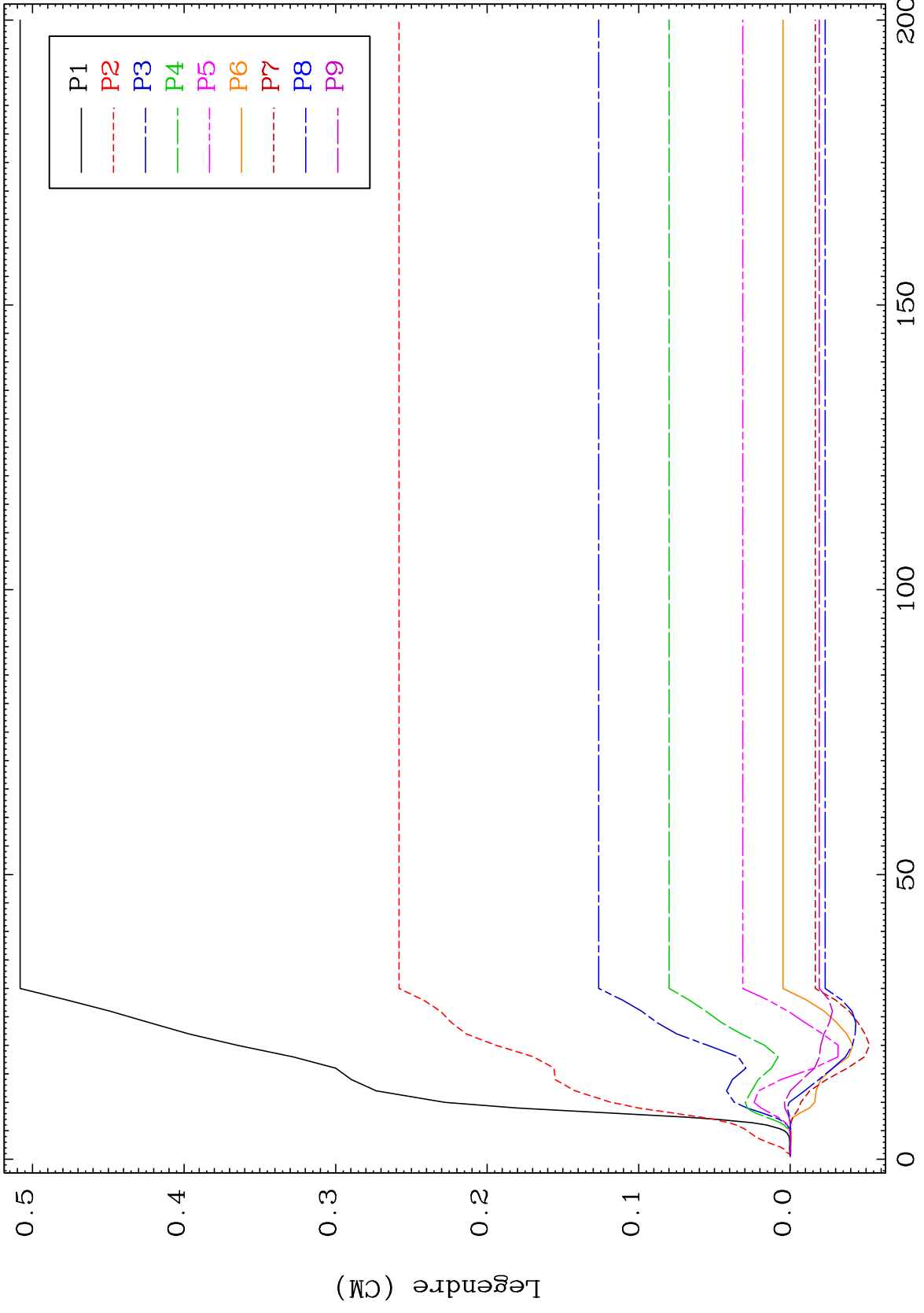


31 31-Ga-75

MAT 3143

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

31-Ga-75



32

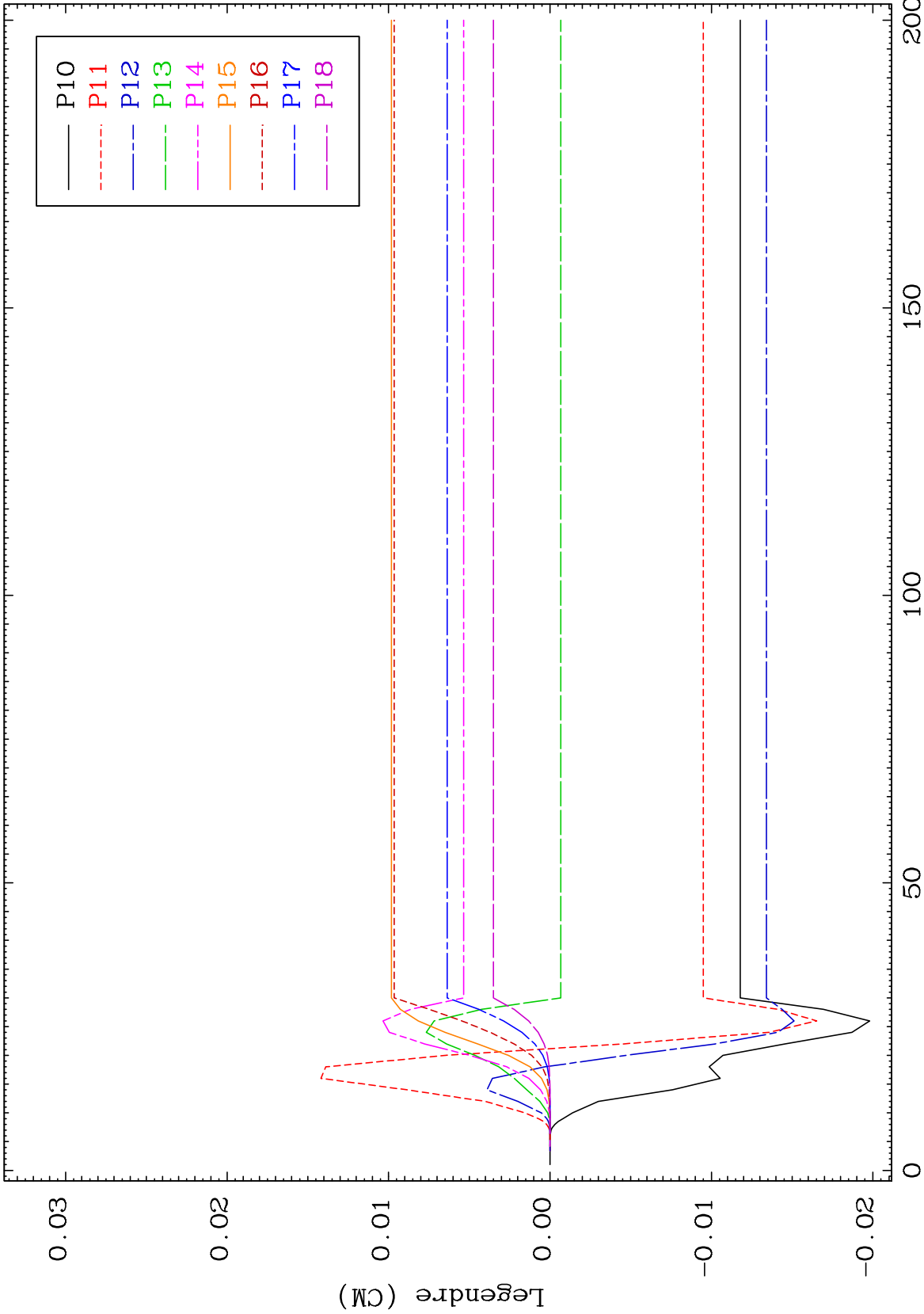
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



33

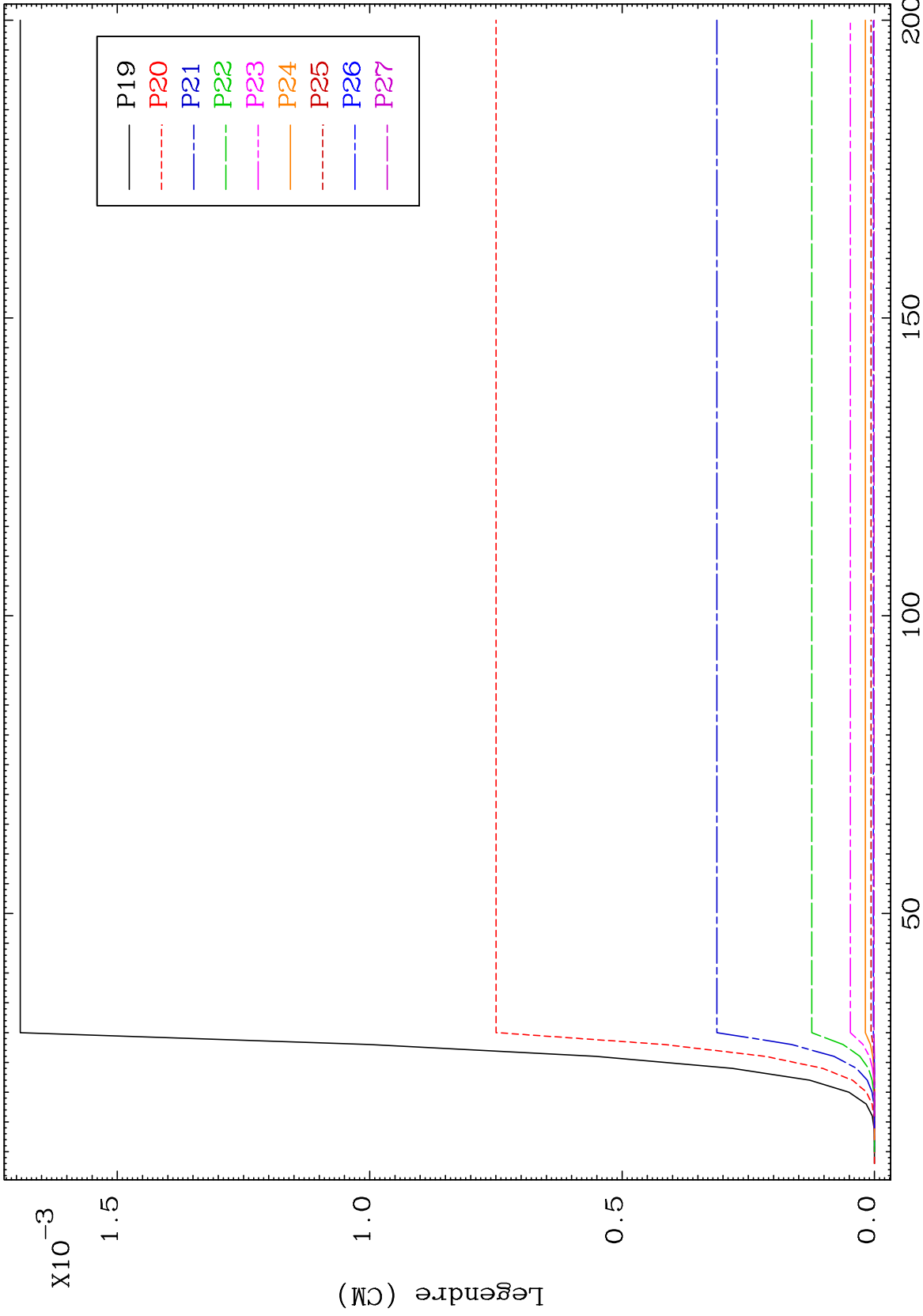
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



34

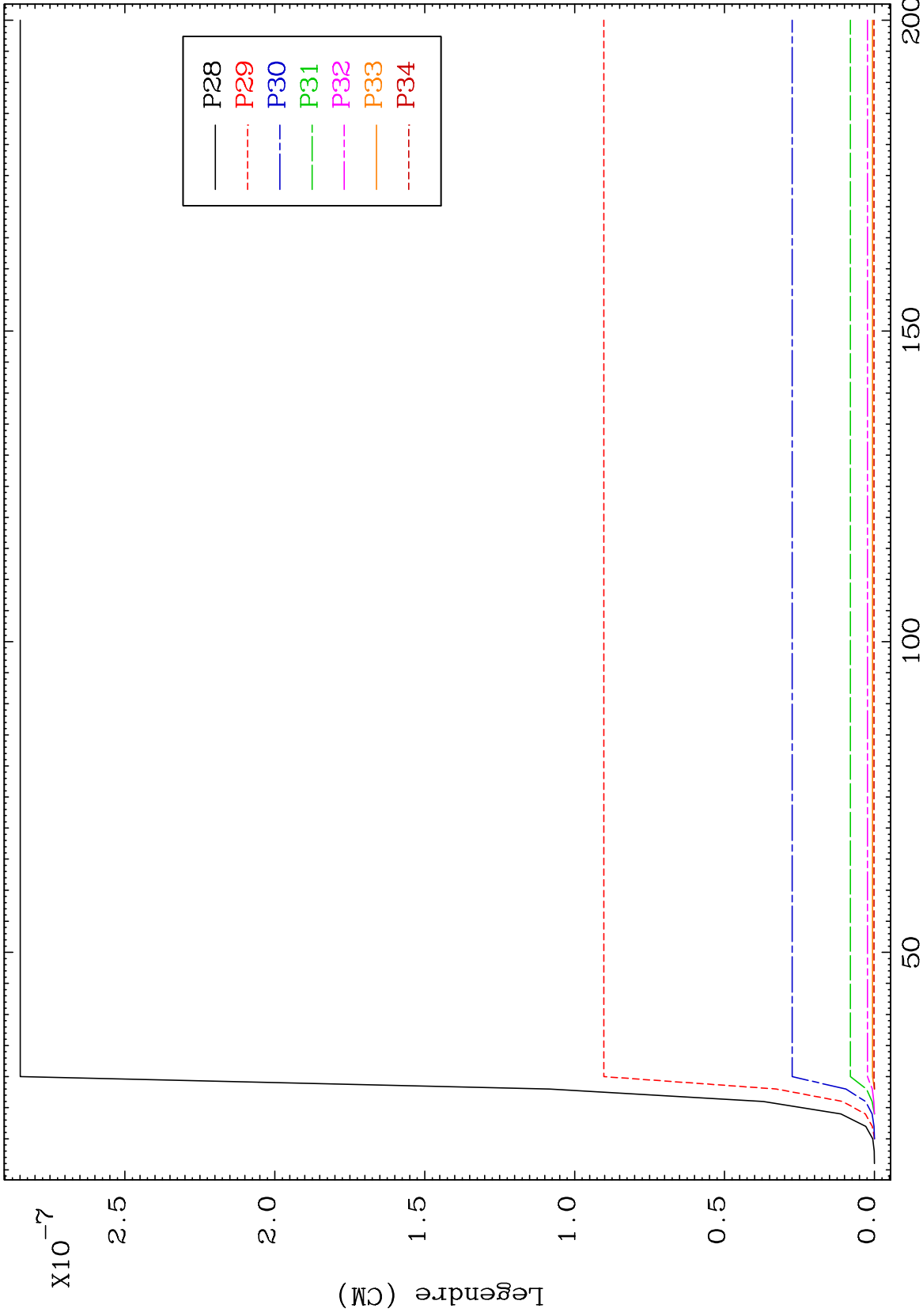
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



35

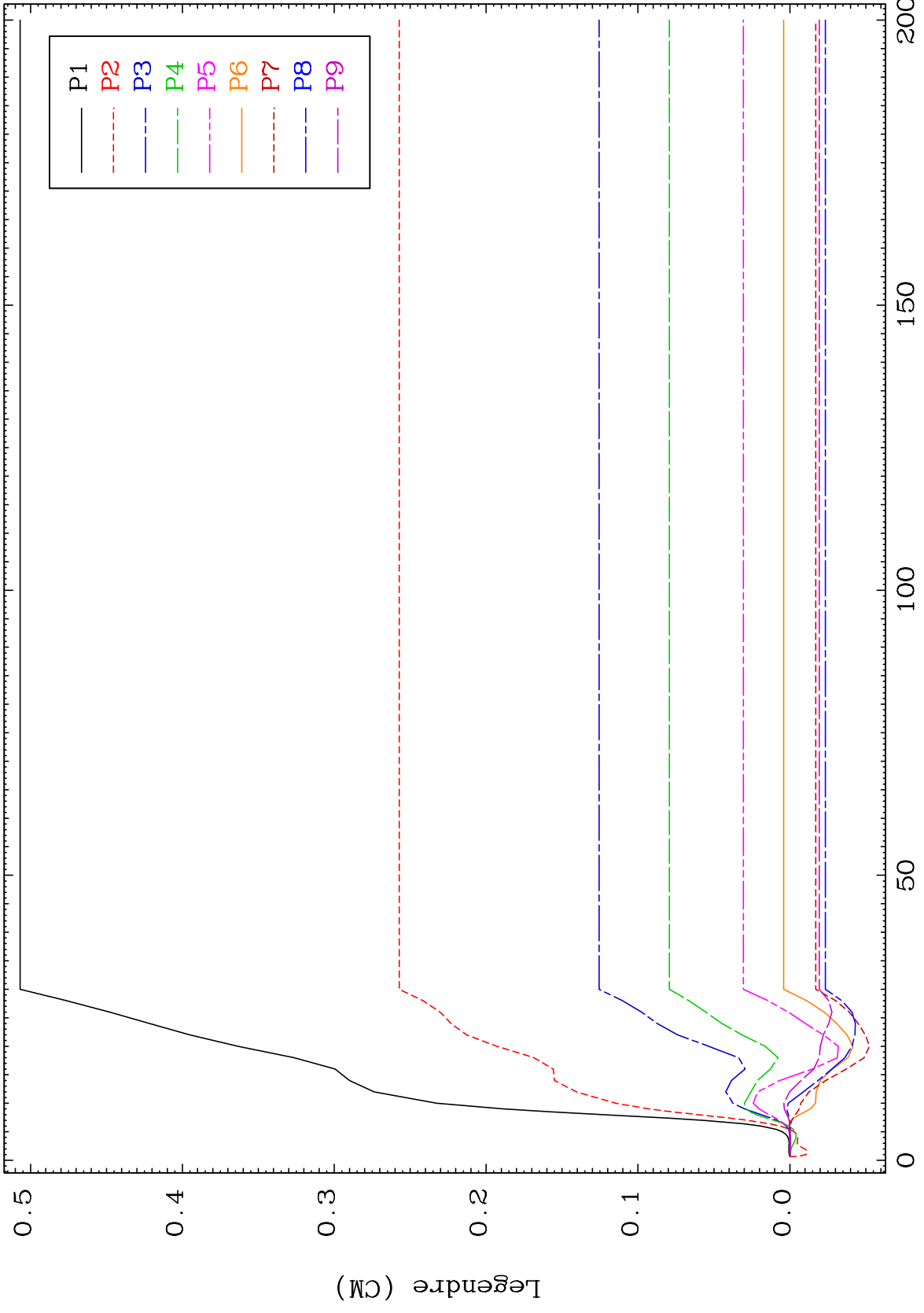
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



36

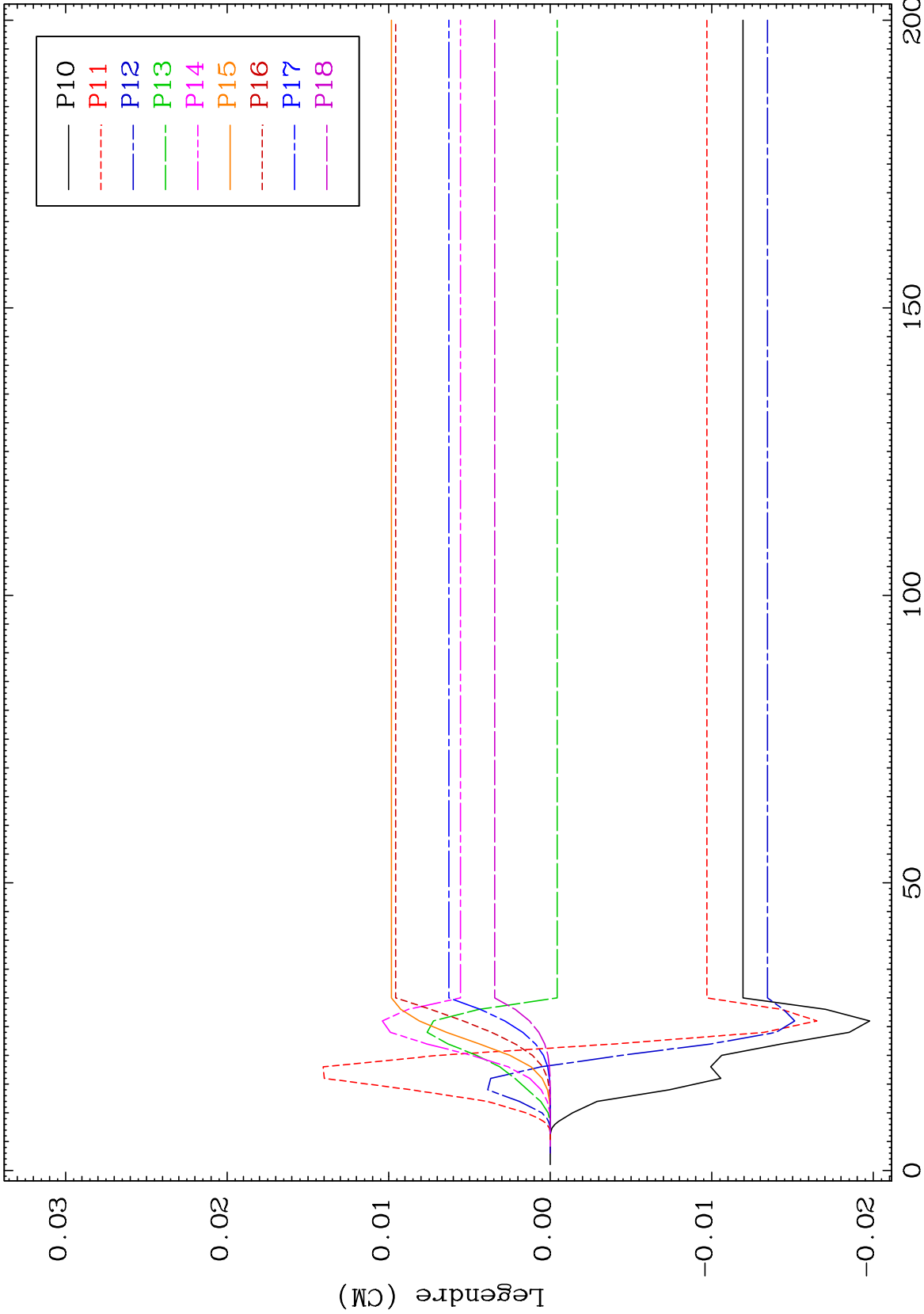
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



37

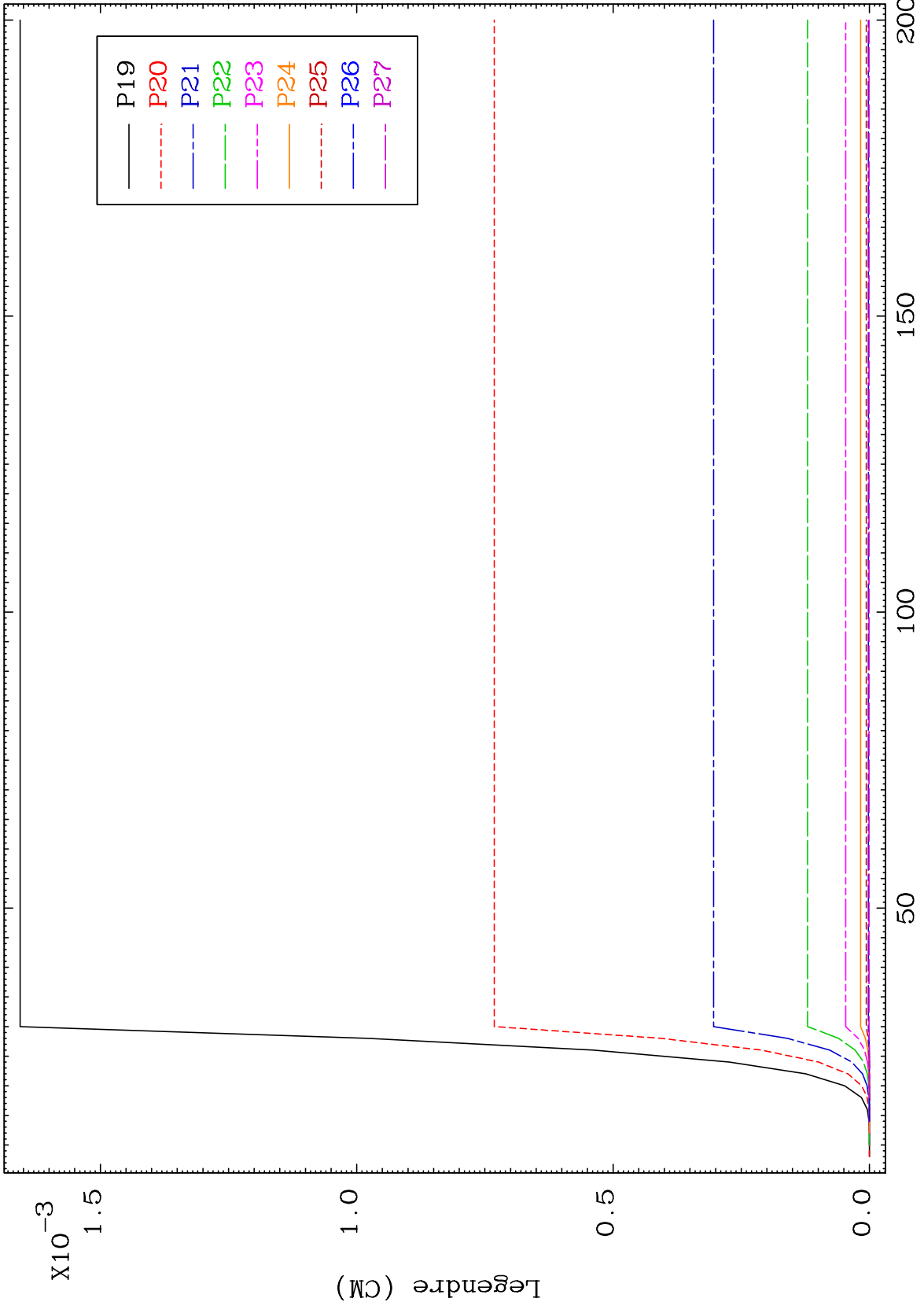
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



38

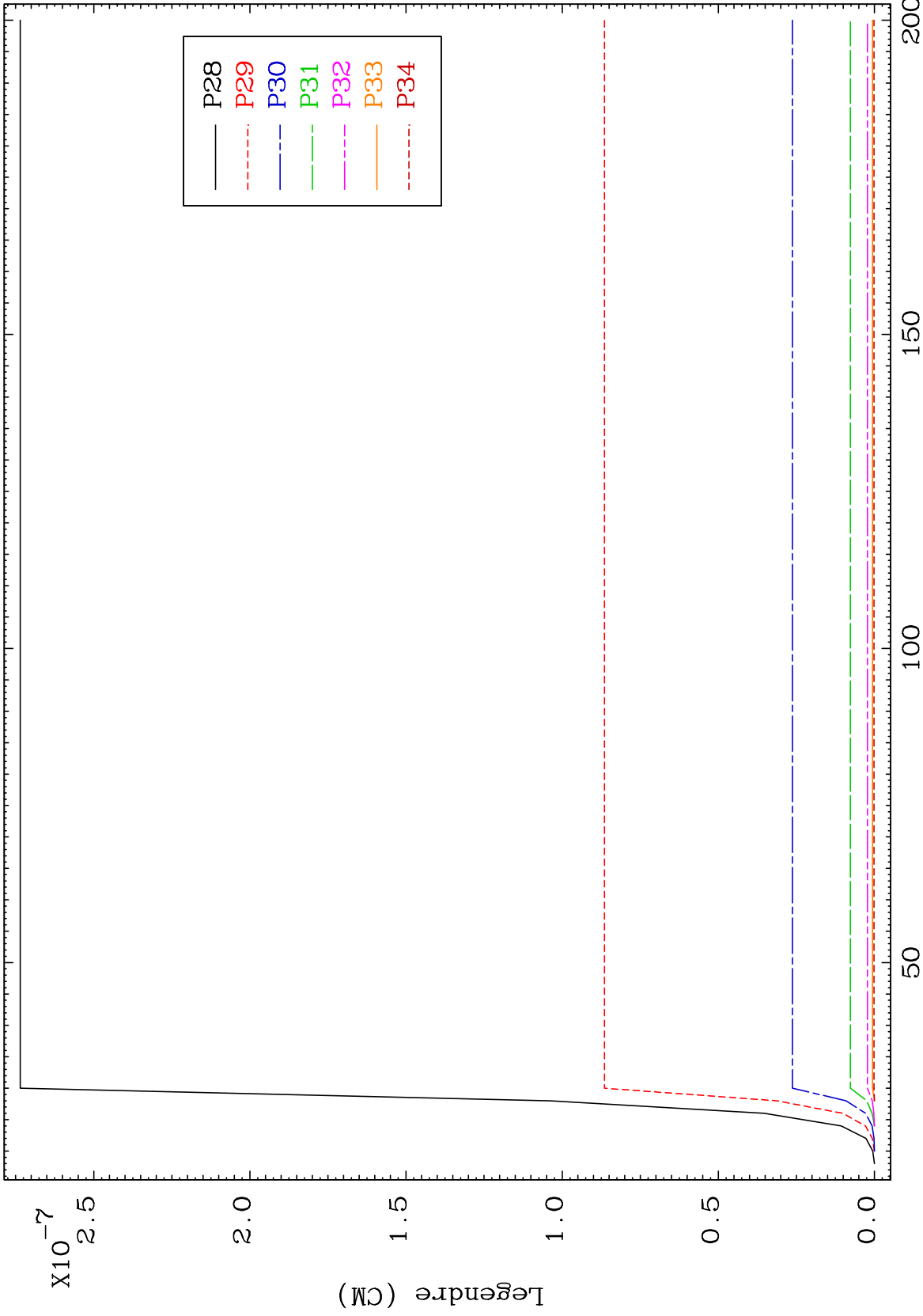
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



39

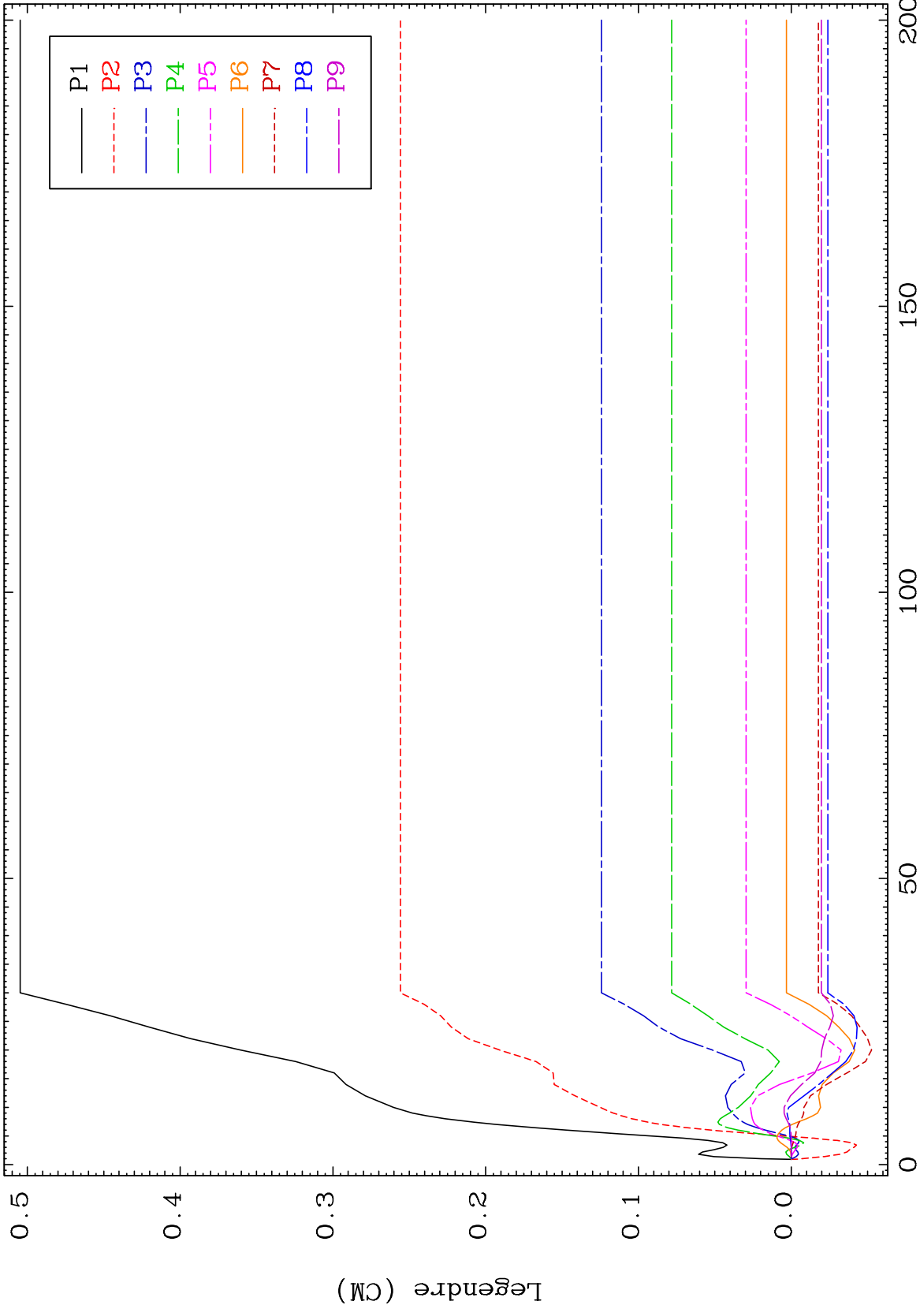
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



40

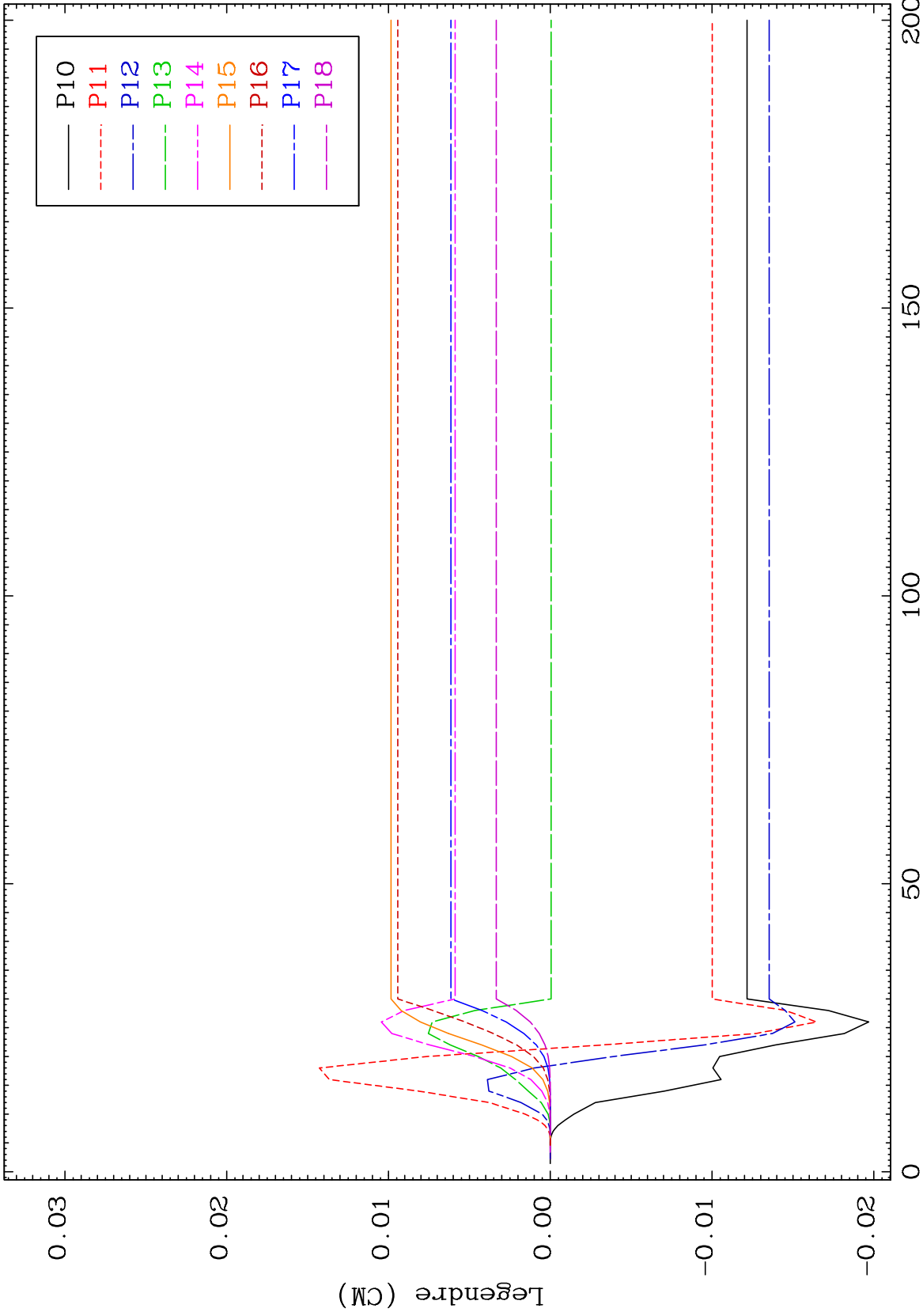
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



41

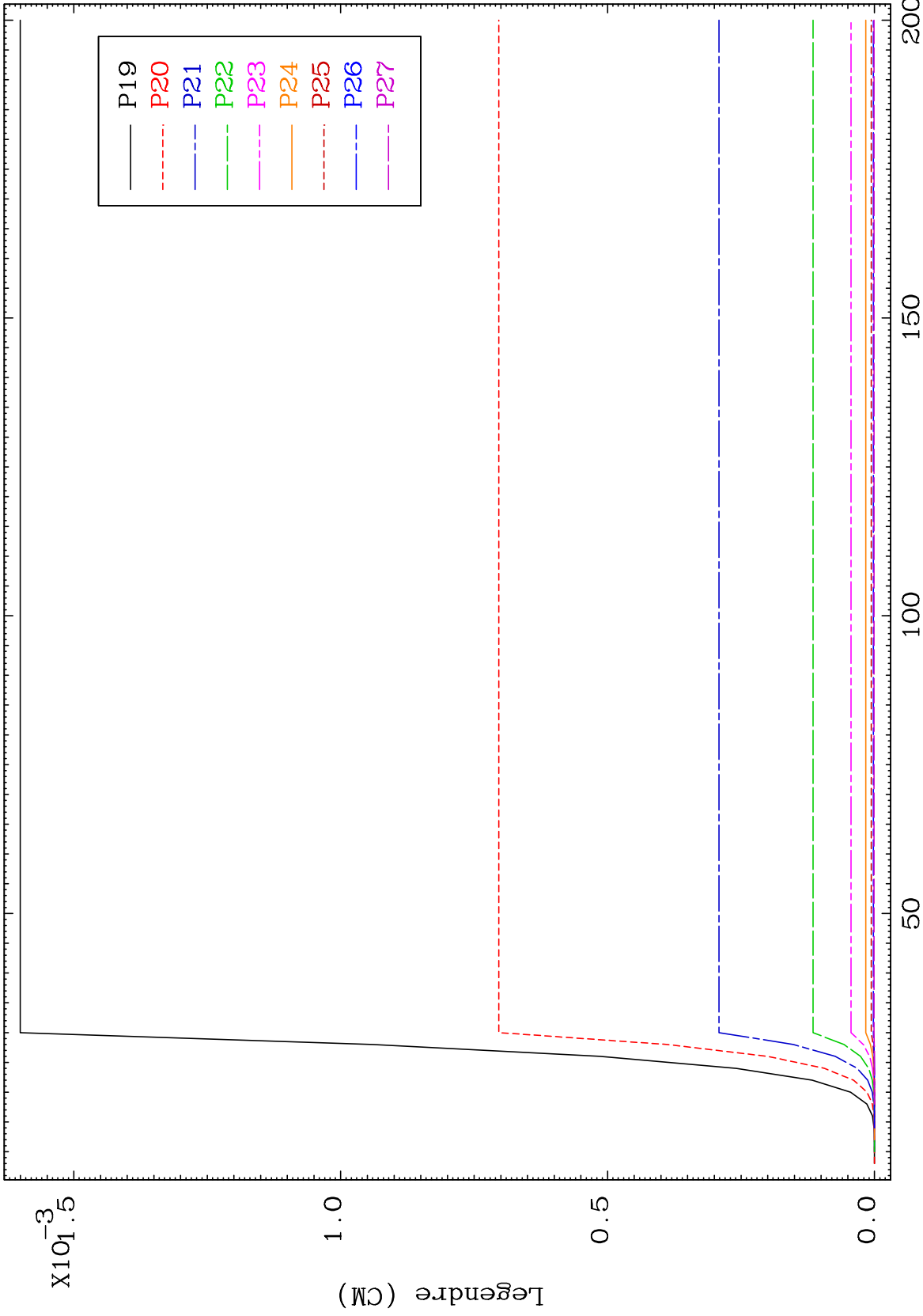
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



42

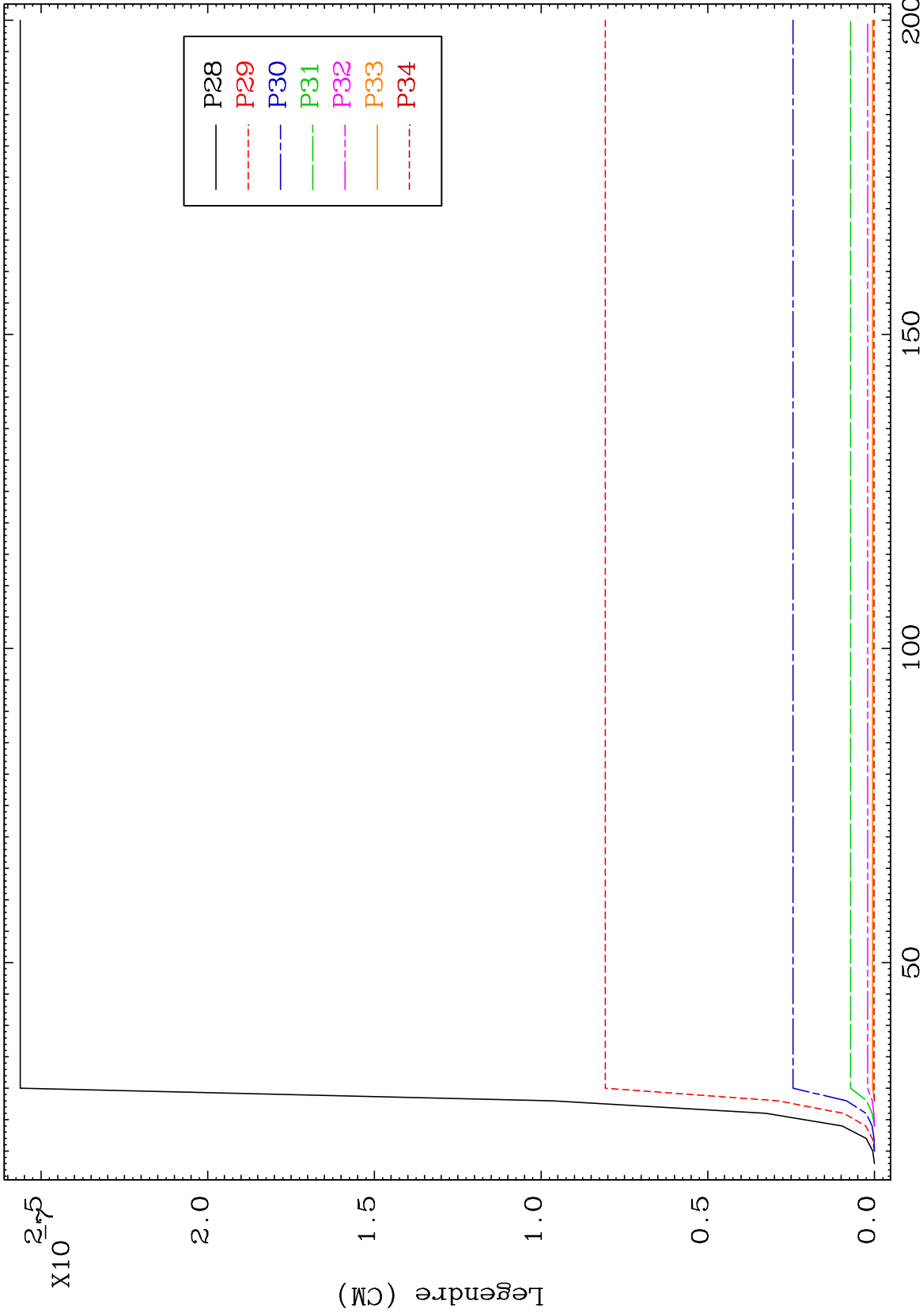
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

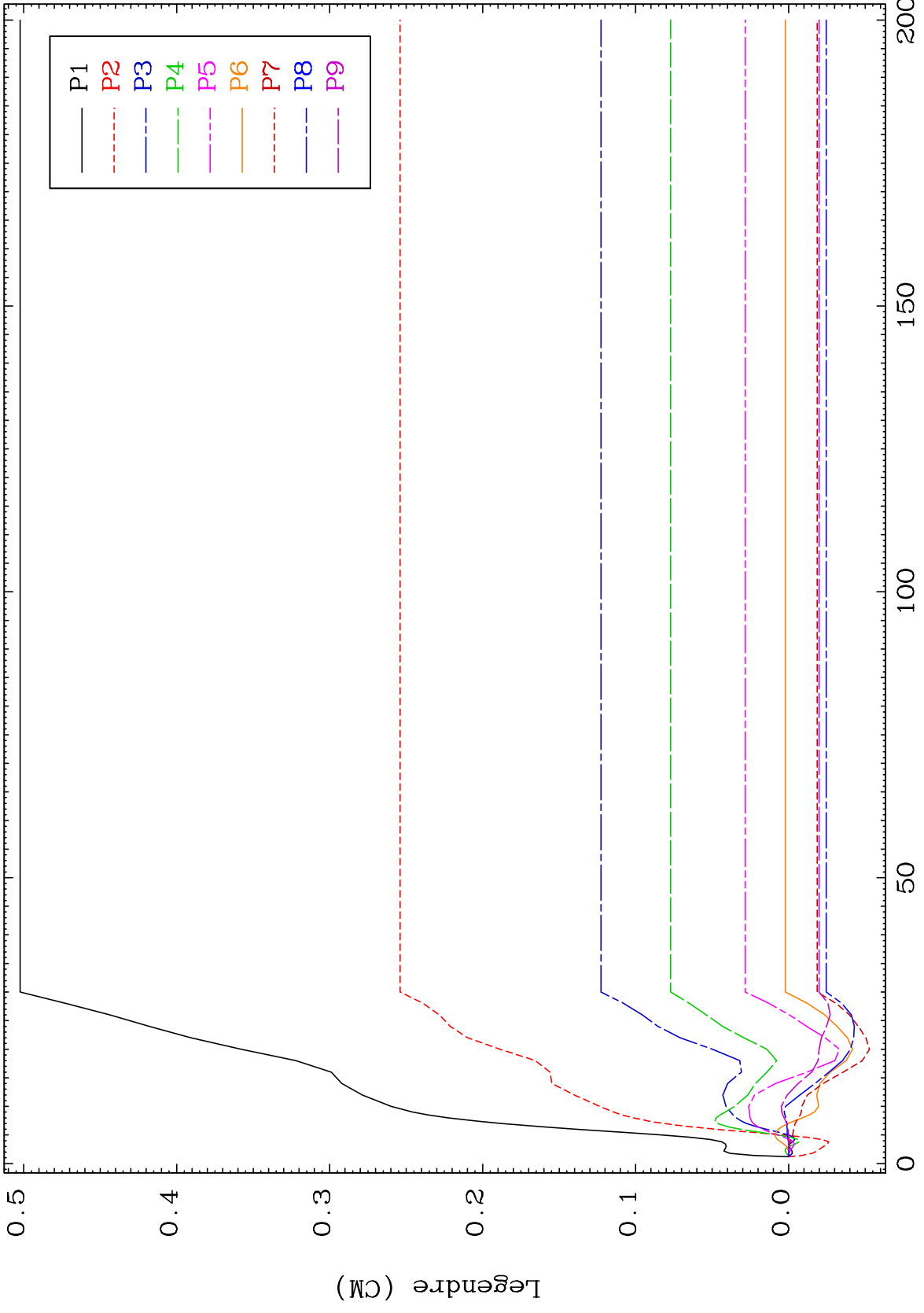
31-Ga-75



43

Incident Energy (MeV)

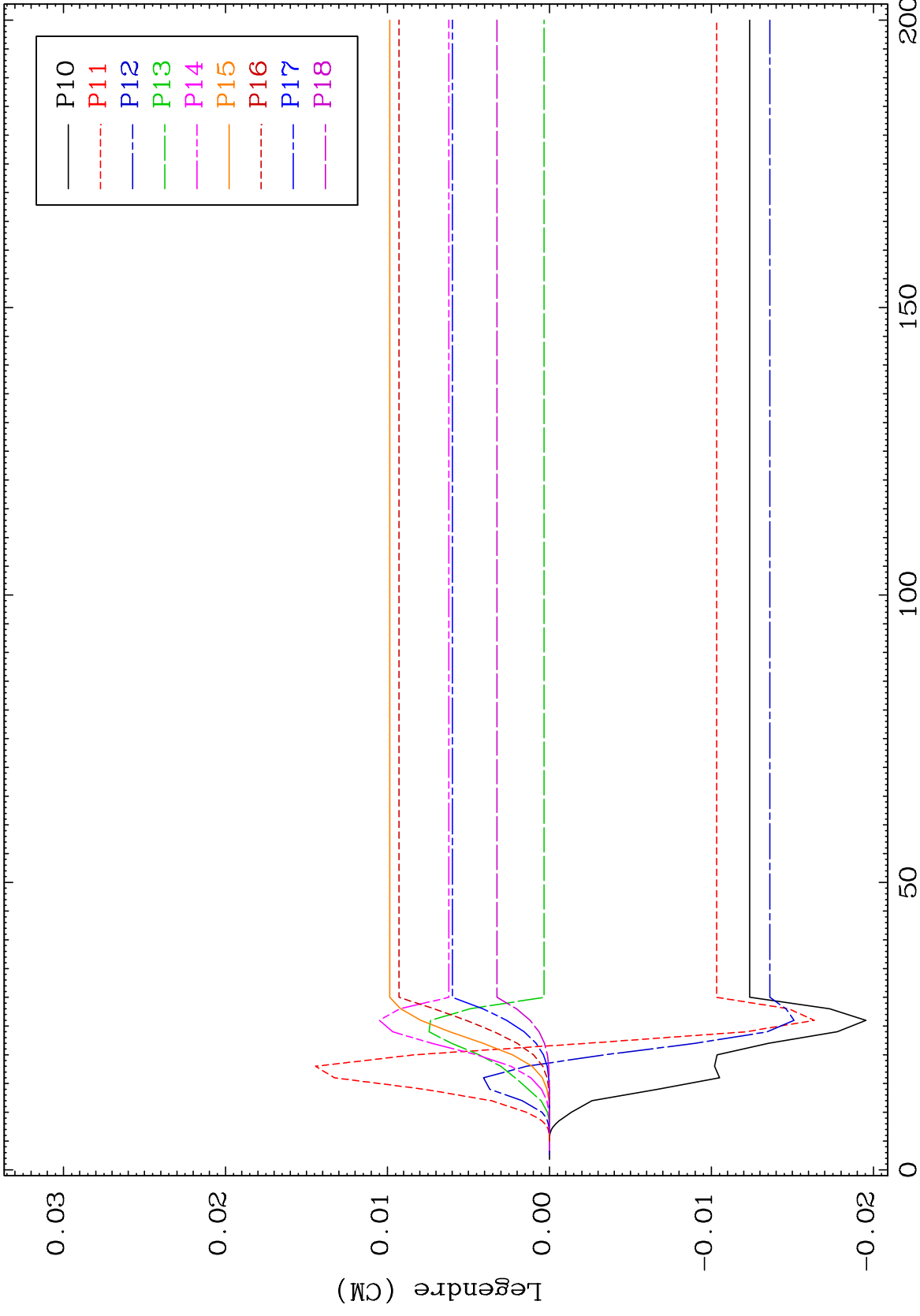
31-Ga-75



MAT 3143

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

31-Ga-75



45

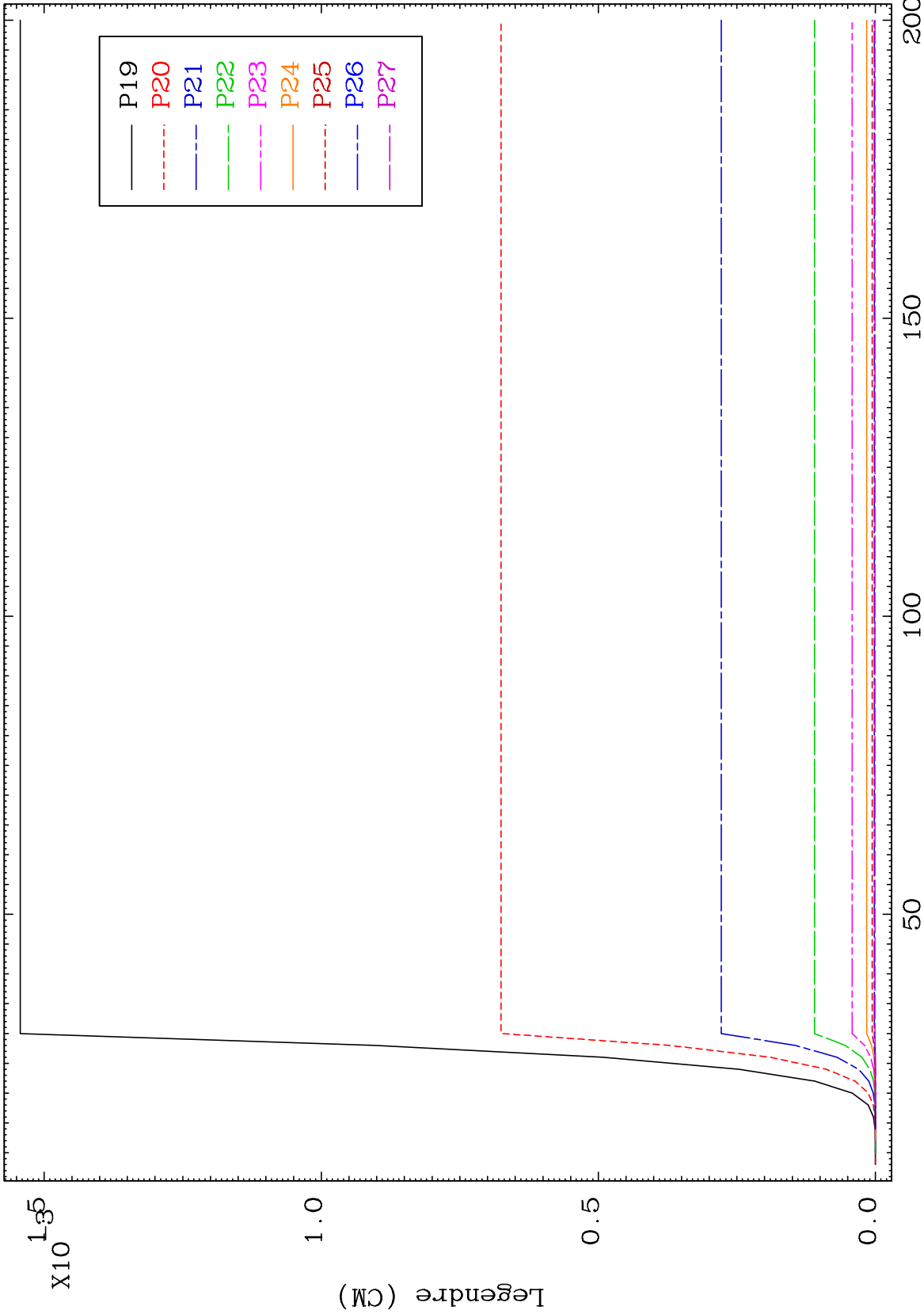
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



46

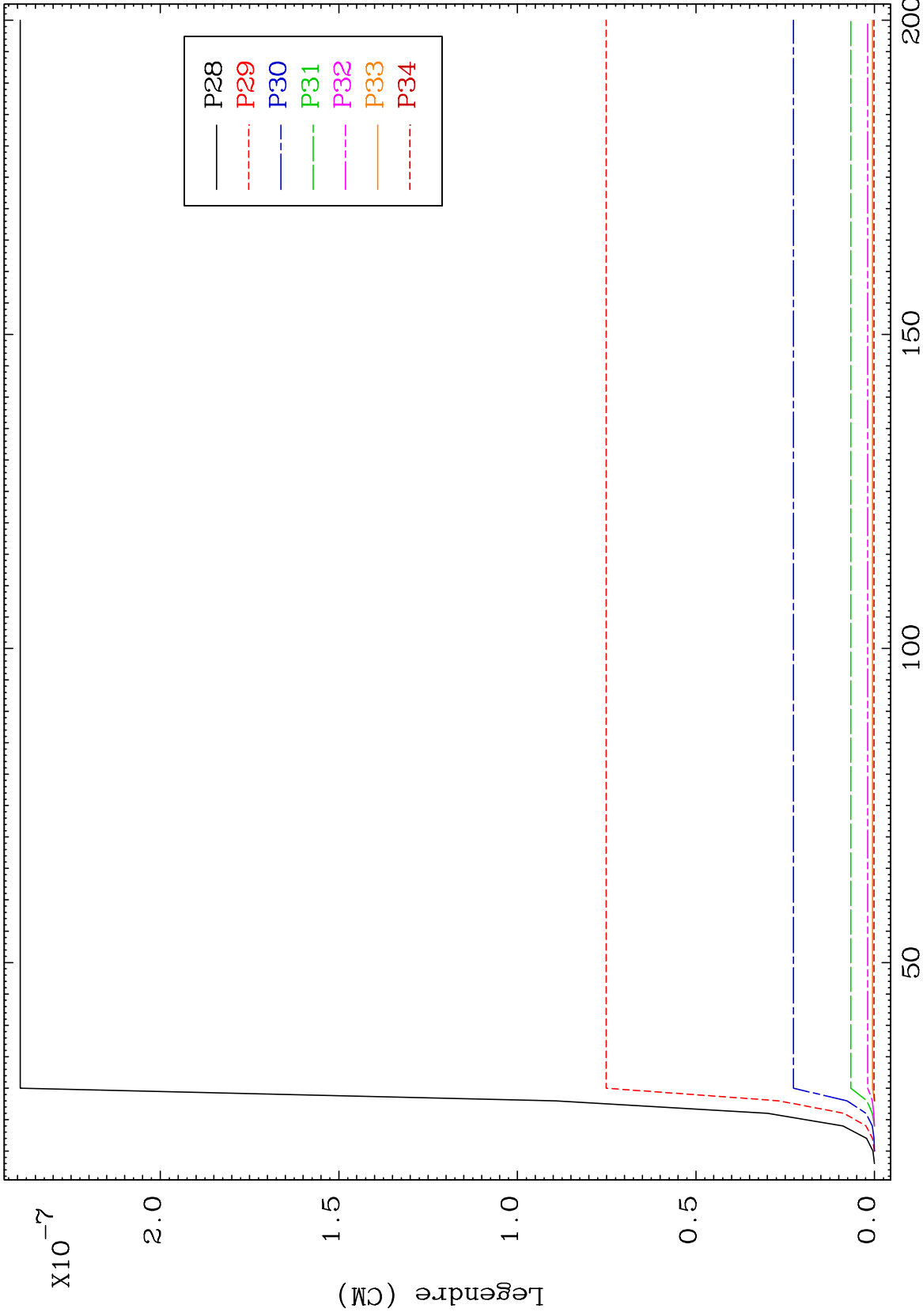
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75

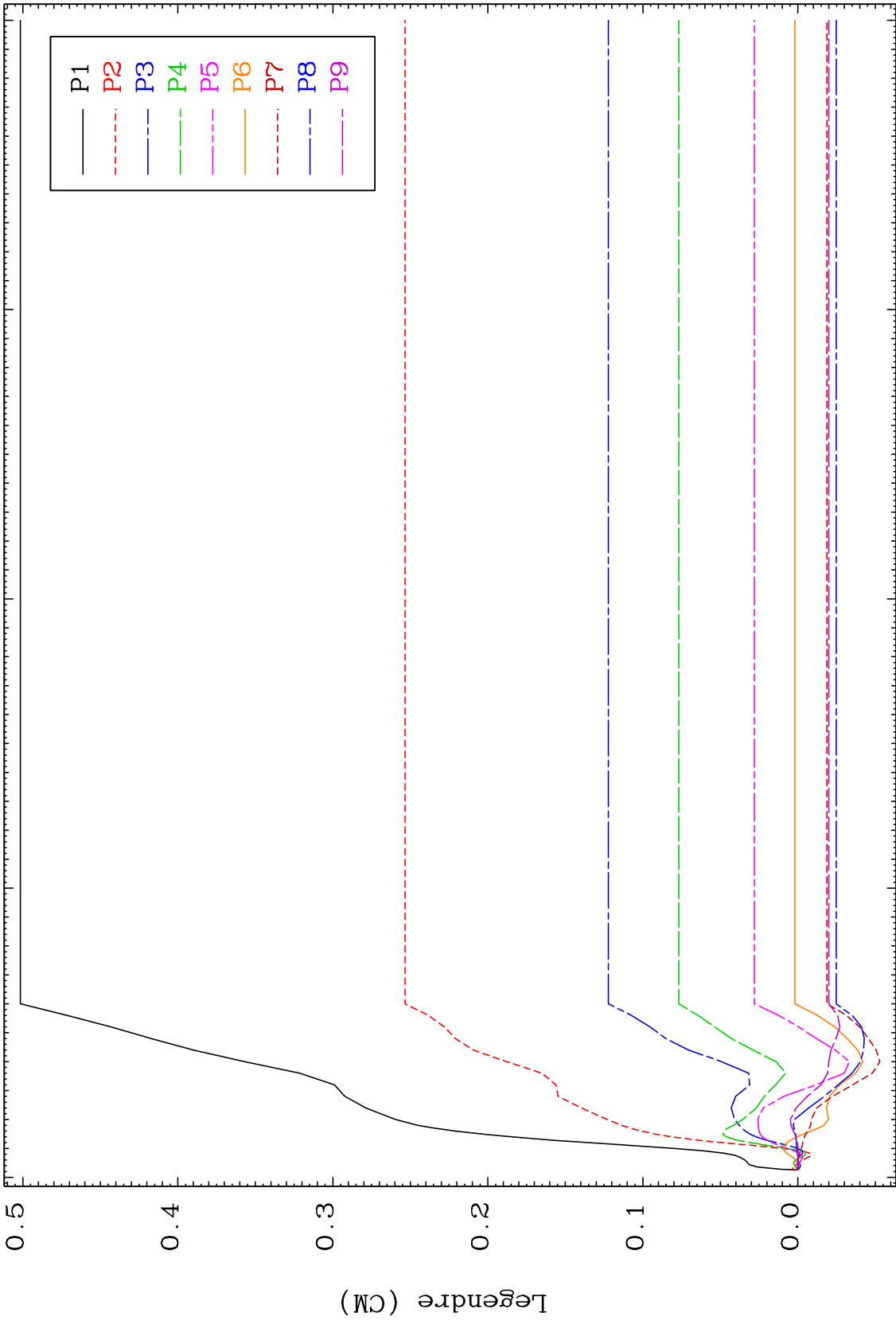


47

Incident Energy (MeV)

31-Ga-75

MAT 3143 MT= 58 (n,n') Level Legendre Coefficients 31-Ga-75

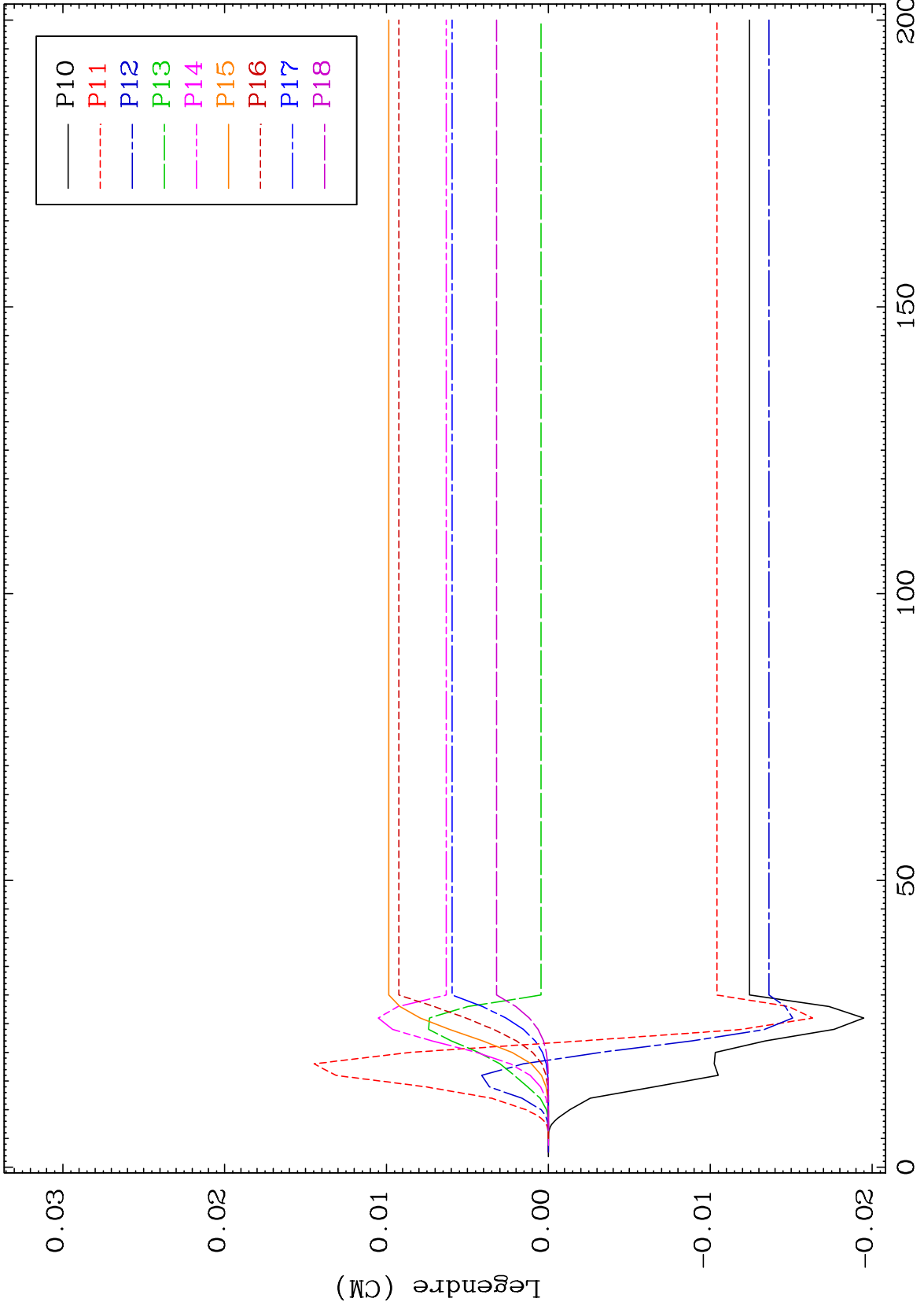


48 31-Ga-75

MAT 3143

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

31-Ga-75



49

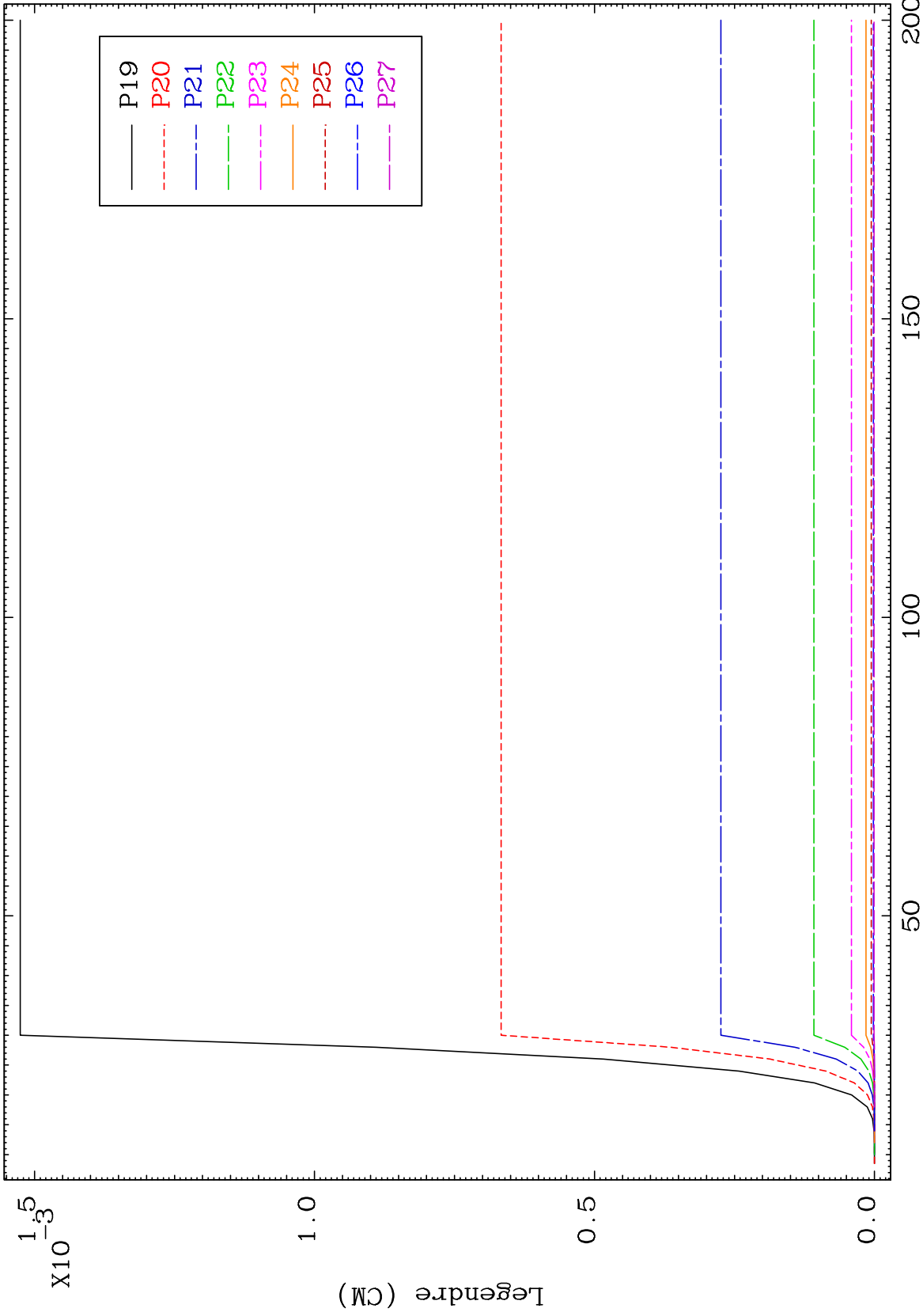
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



50

50

100

150

200

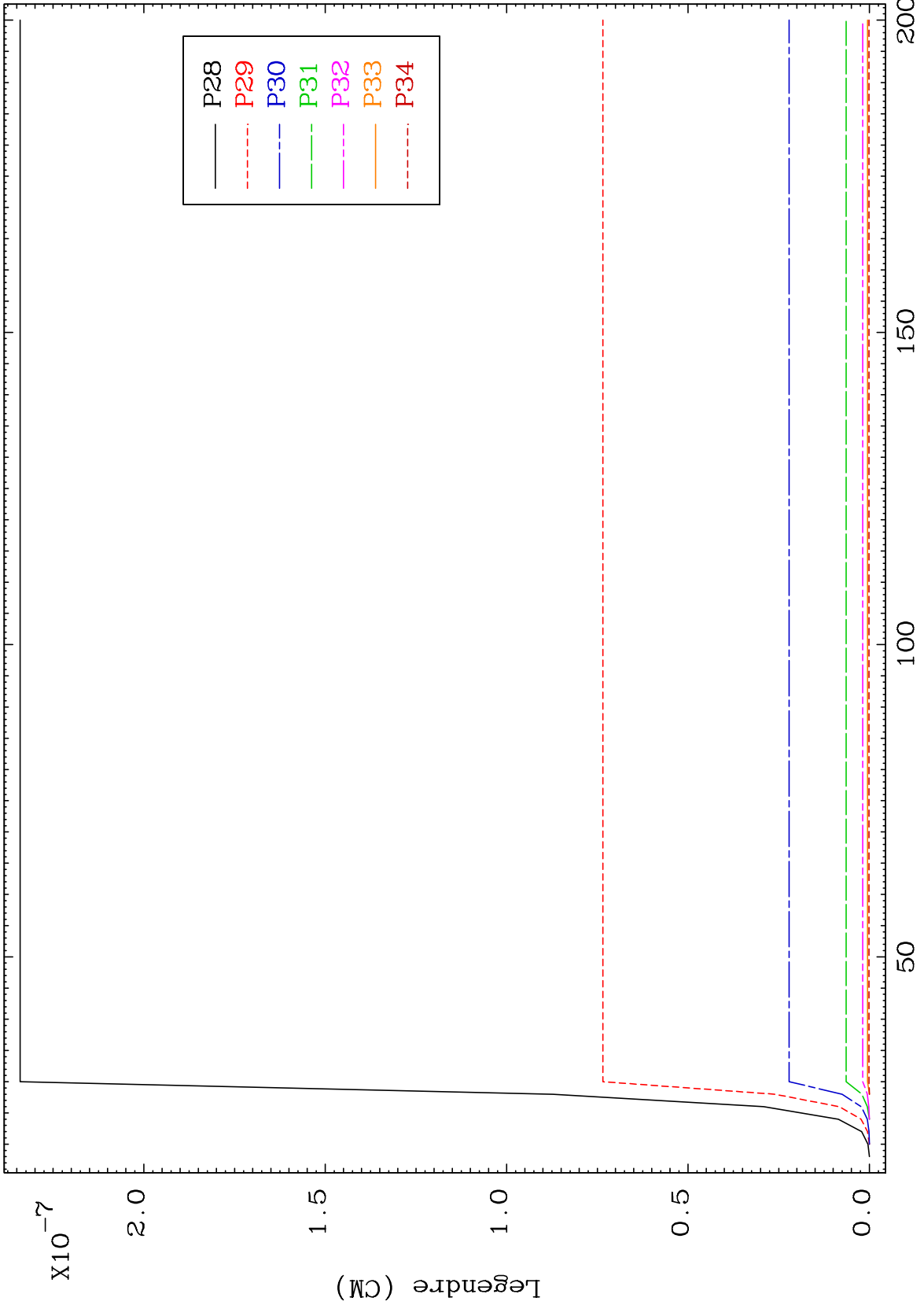
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



51

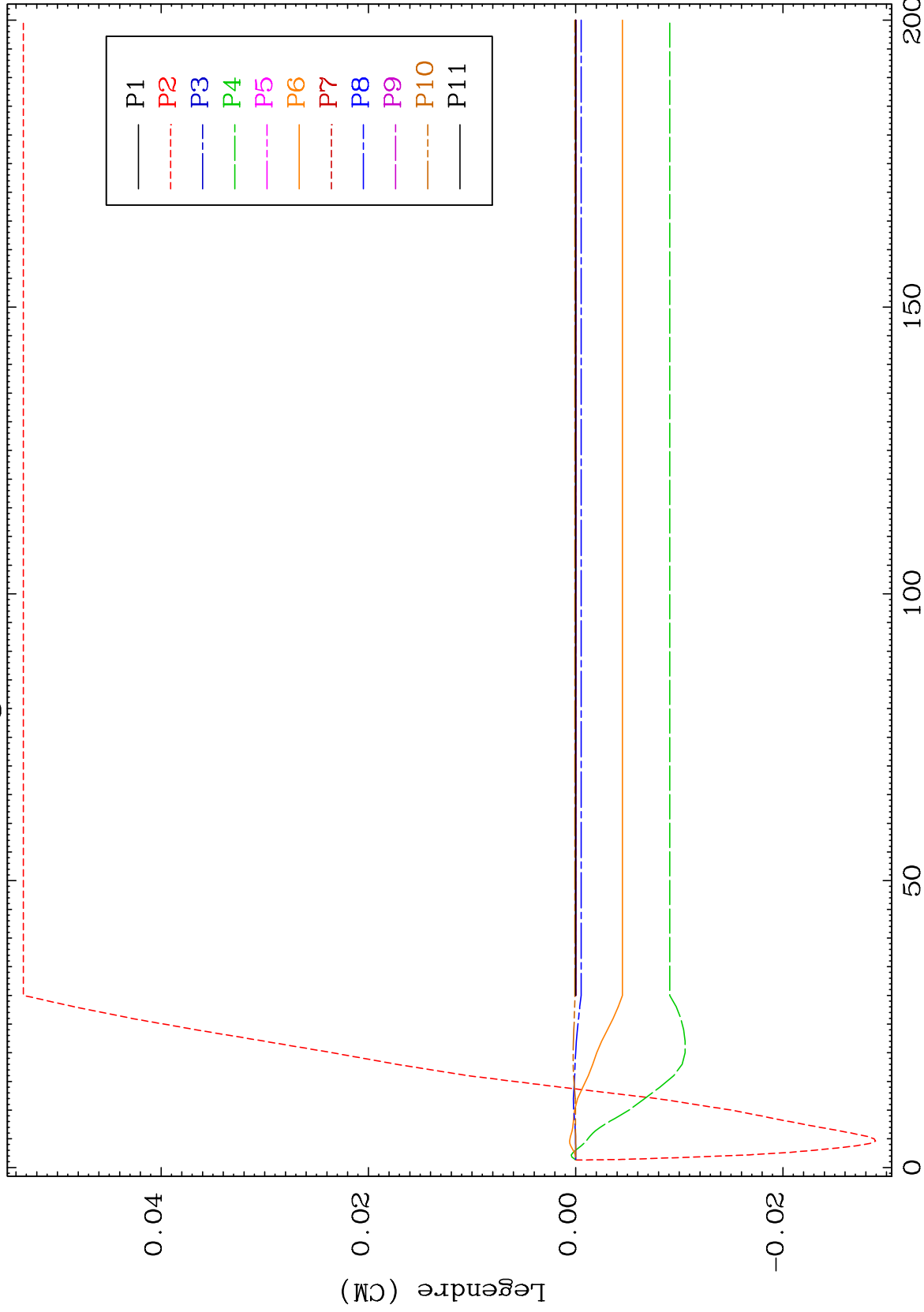
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



52

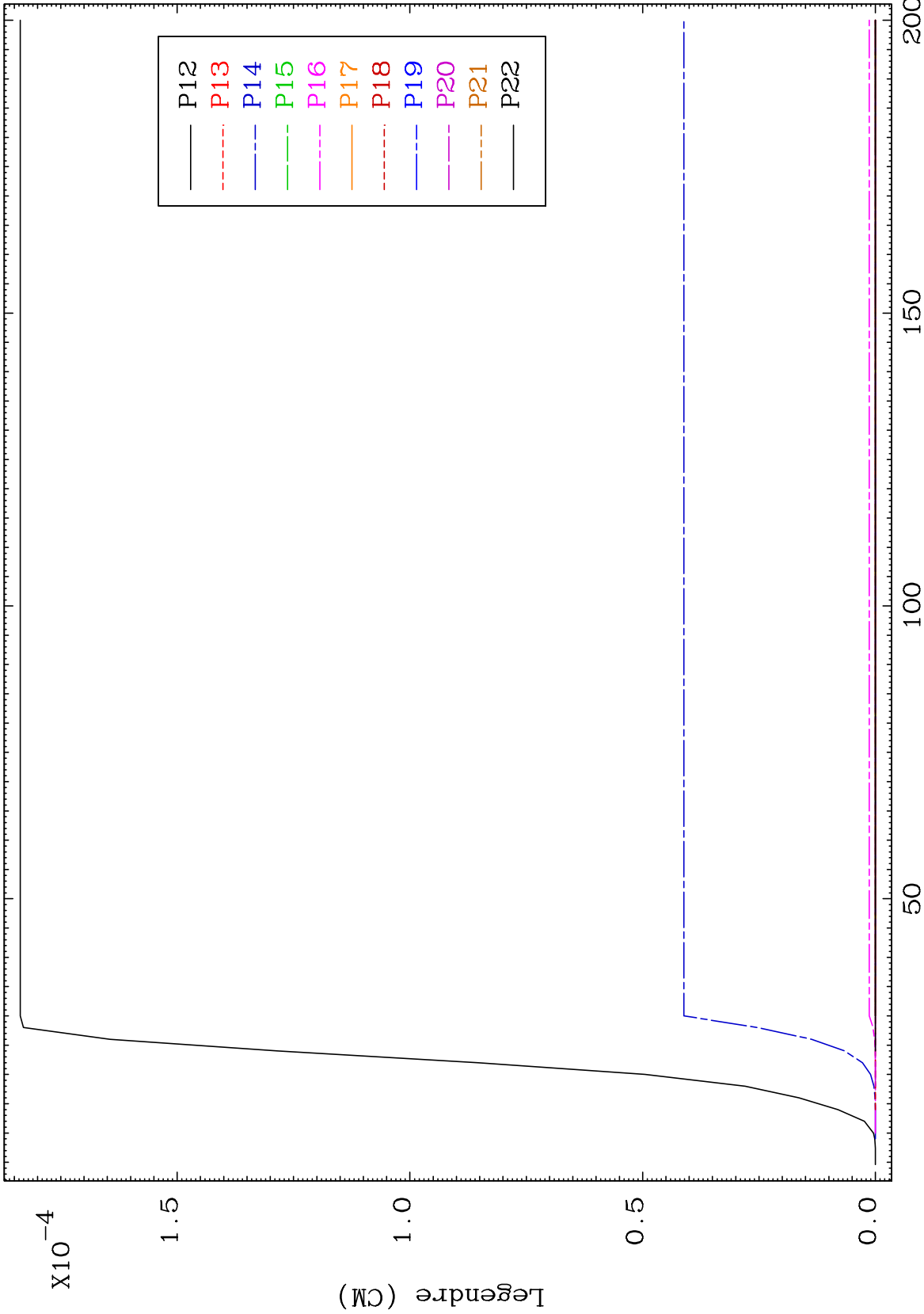
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



53

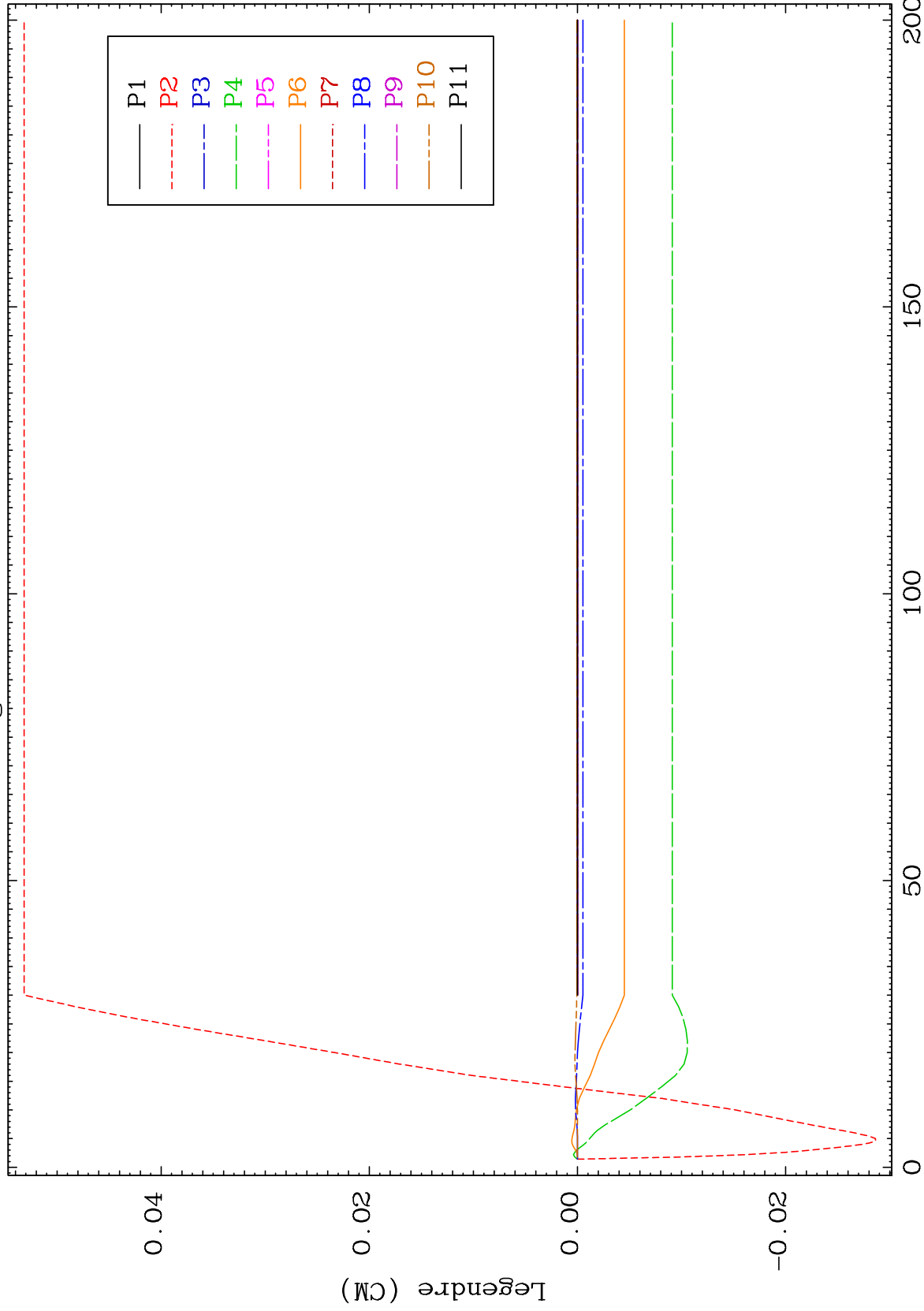
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



54

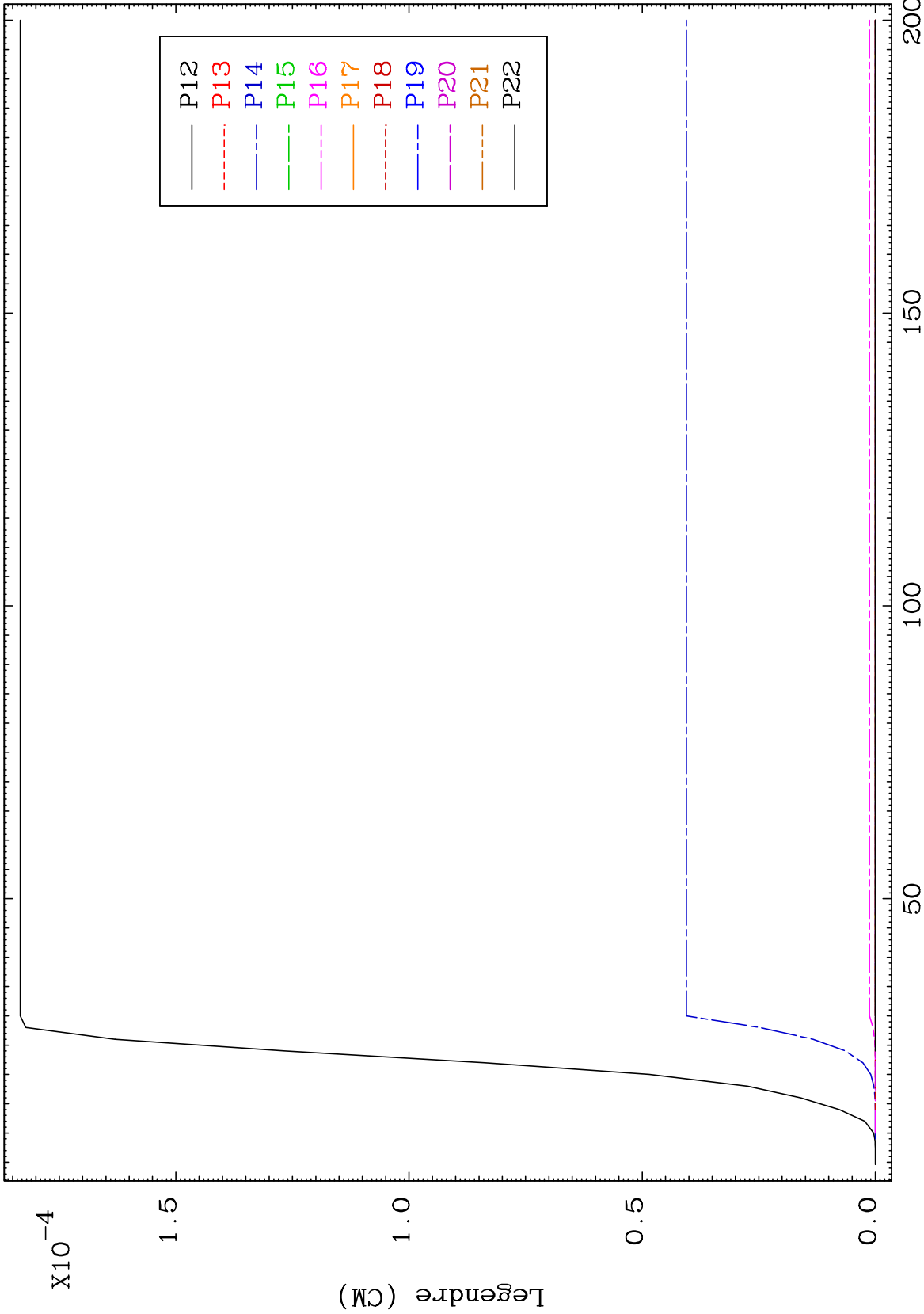
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



55

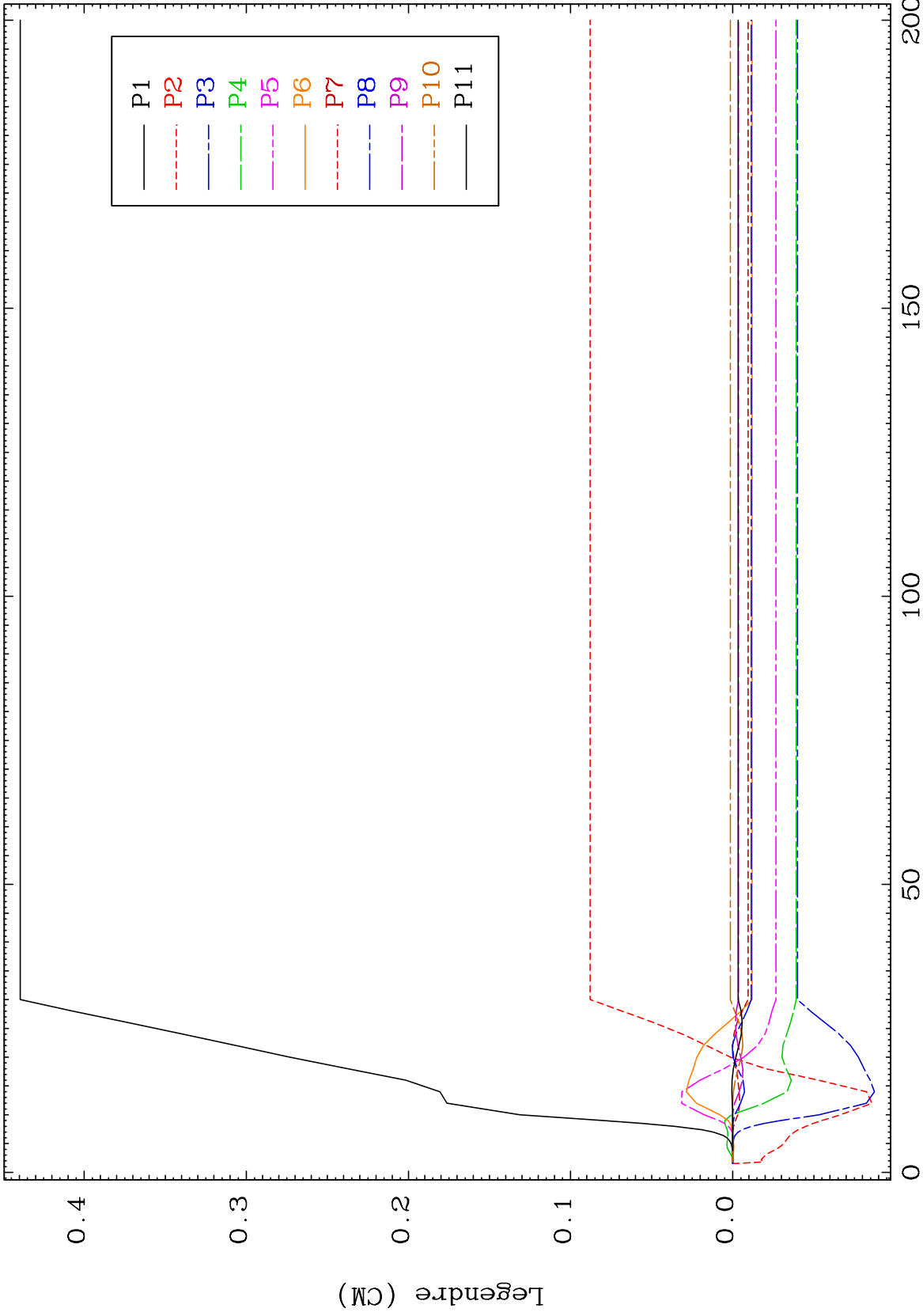
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



56

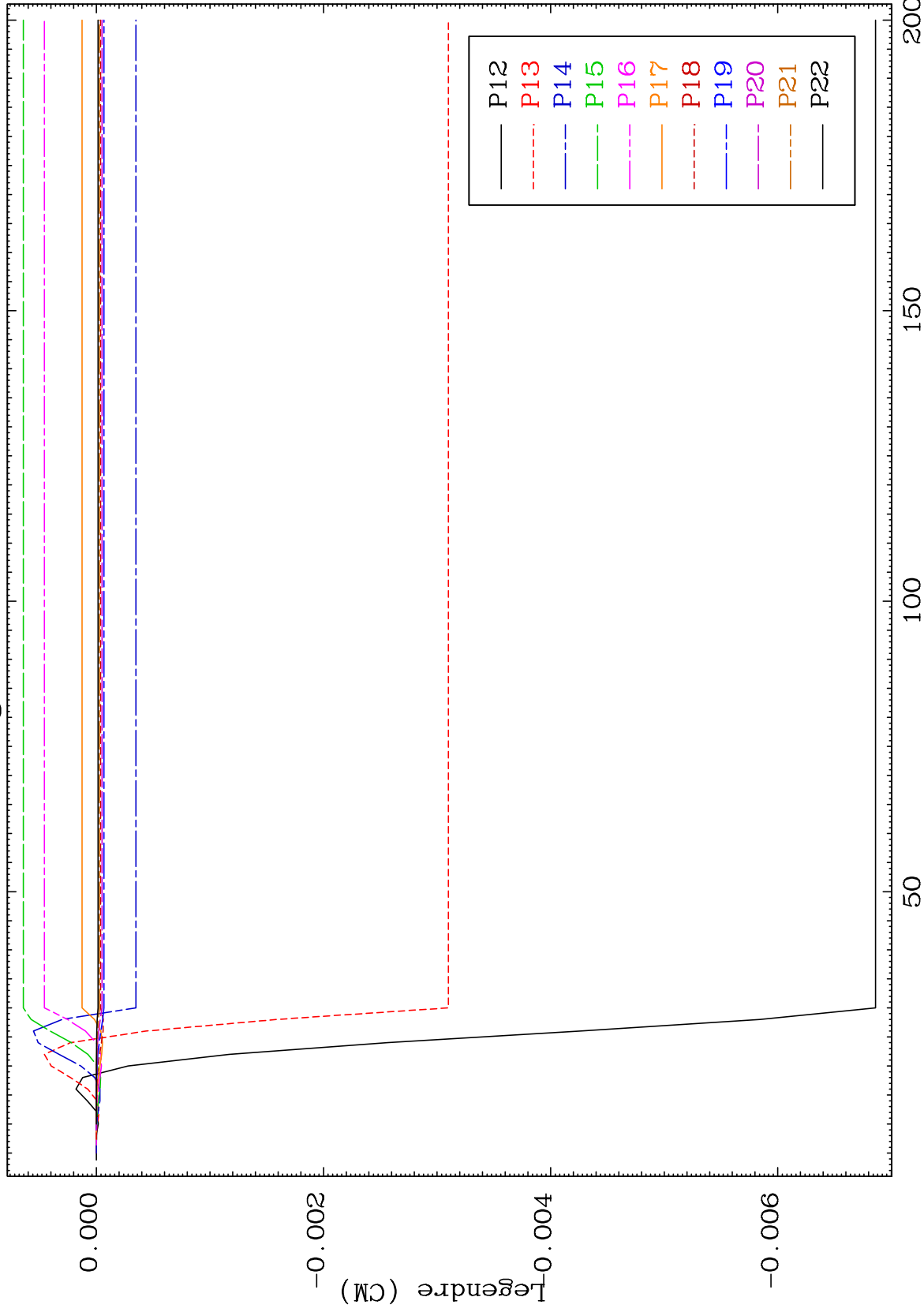
31-Ga-75

31-Ga-75

MAT 3143

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

31-Ga-75



57

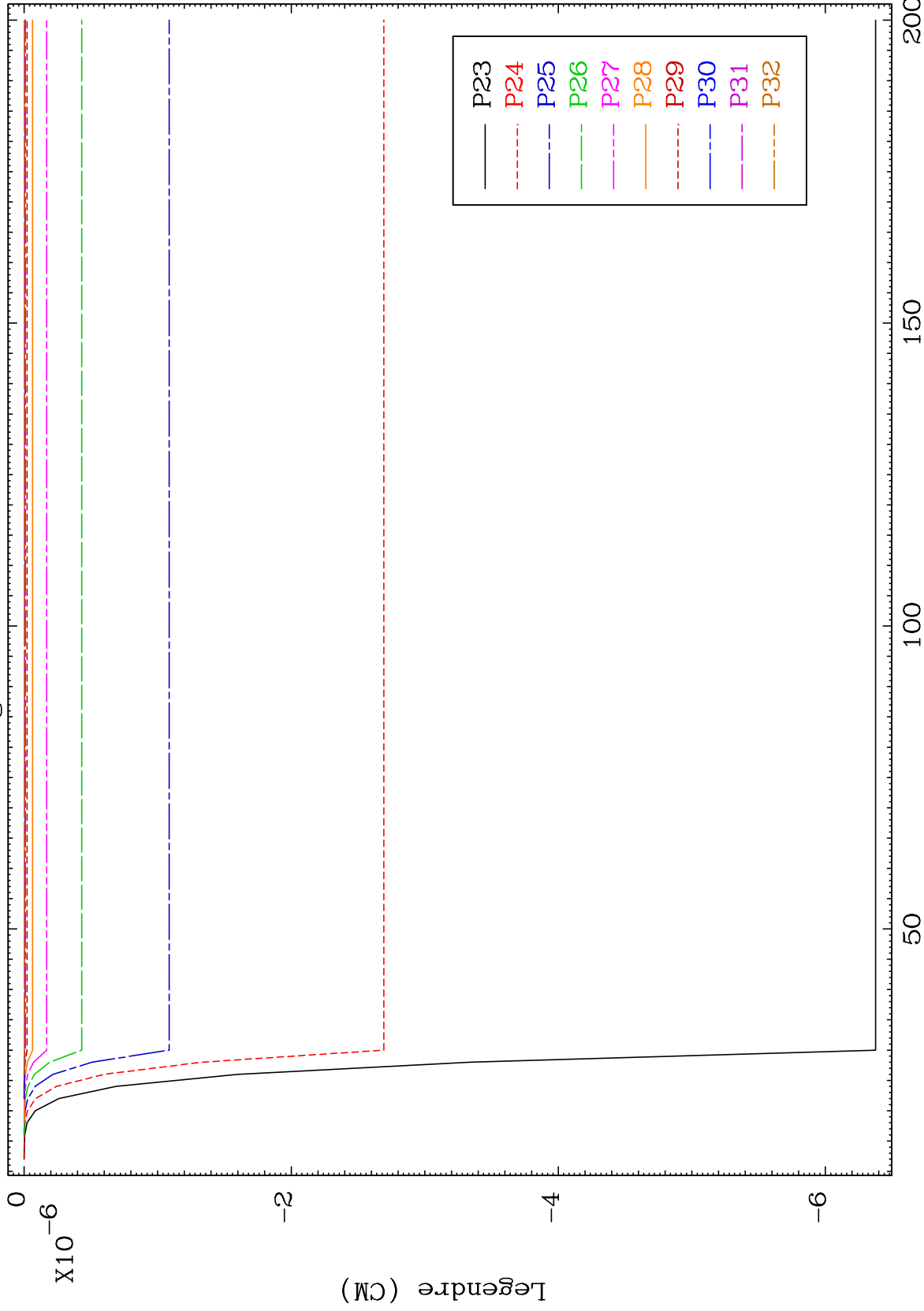
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75

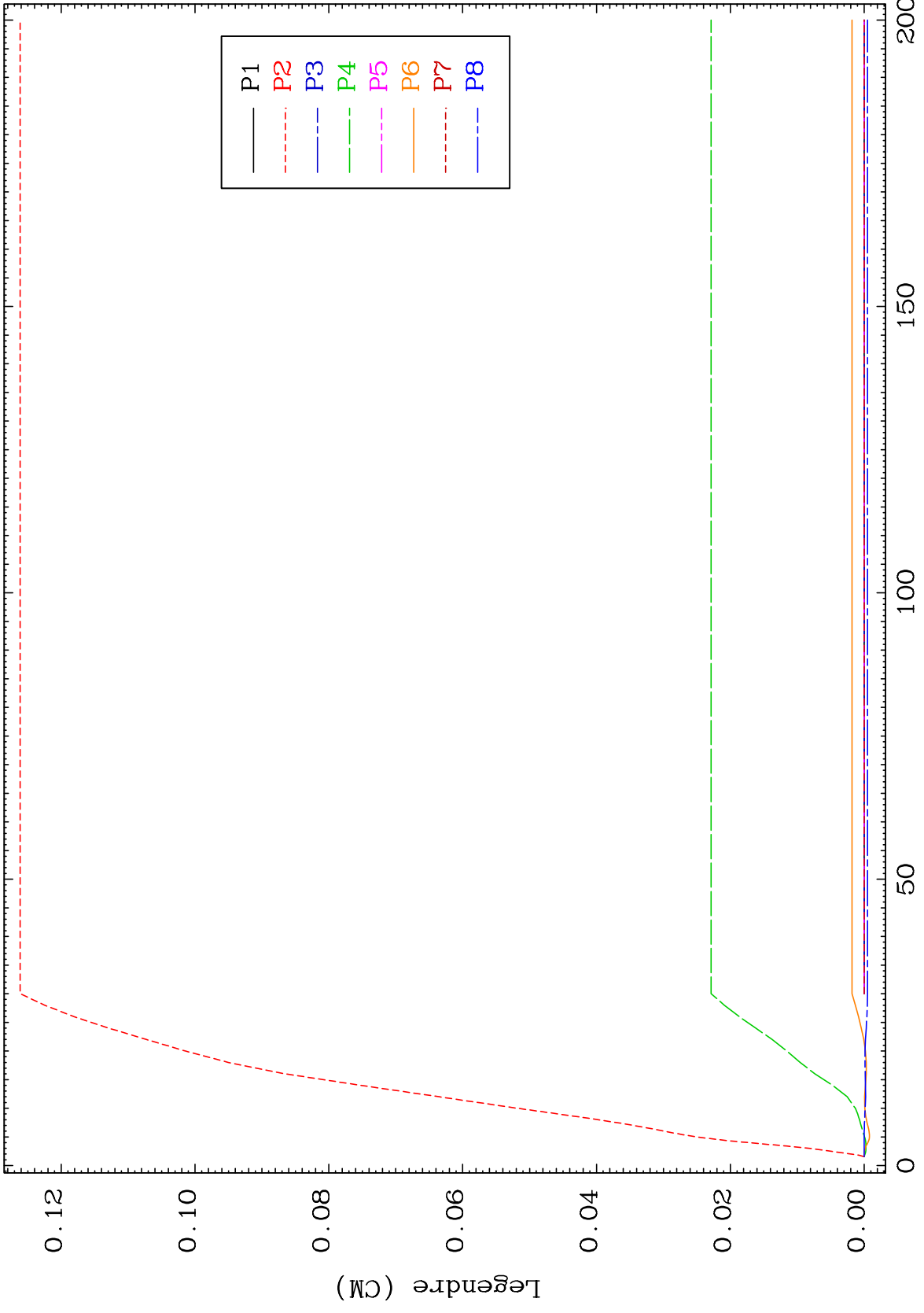


58

31-Ga-75

200

MAT 3143 MT= 62 (n,n') Level Legendre Coefficients 31-Ga-75

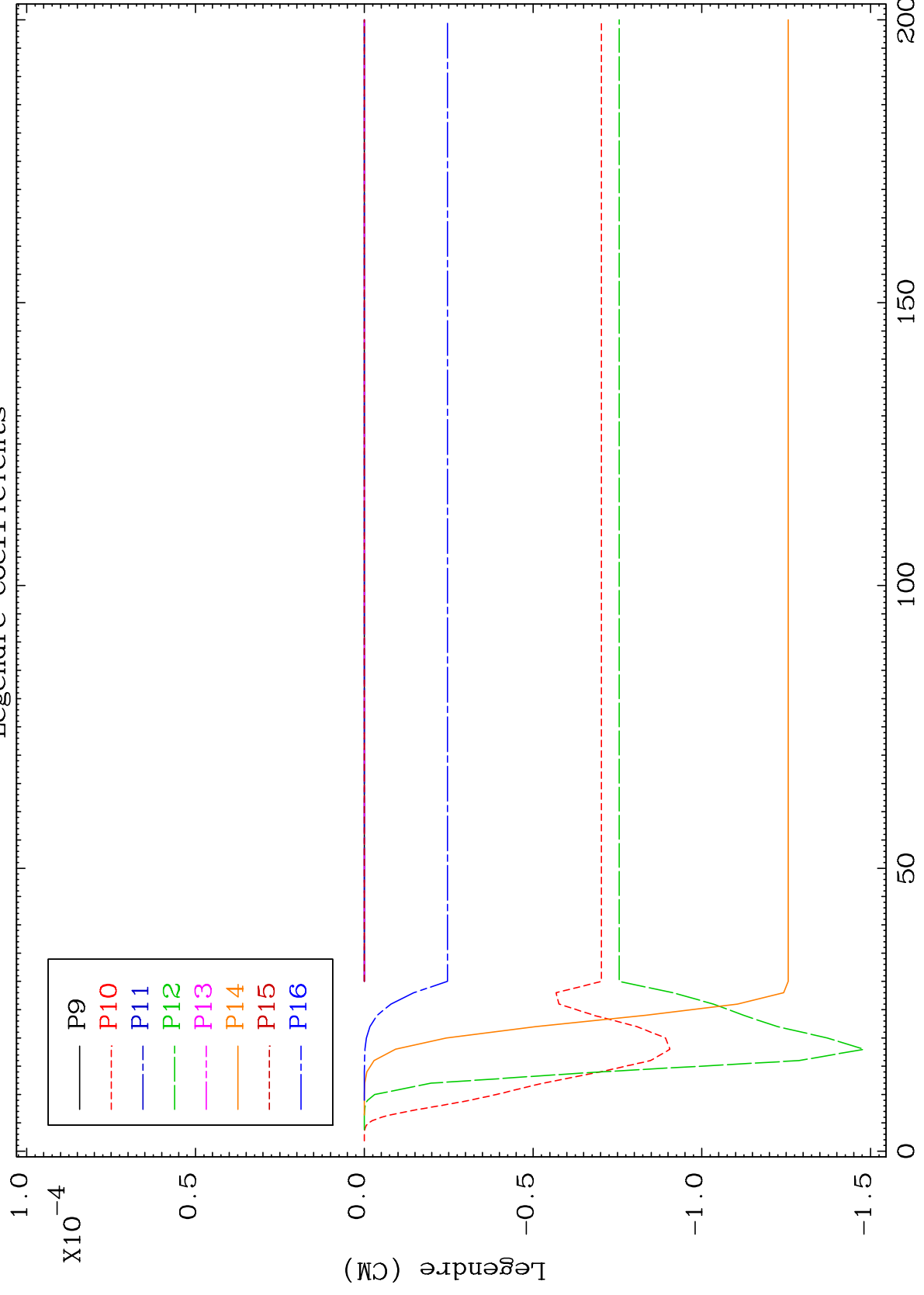


59 Incident Energy (MeV) 31-Ga-75

MAT 3143

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

31-Ga-75

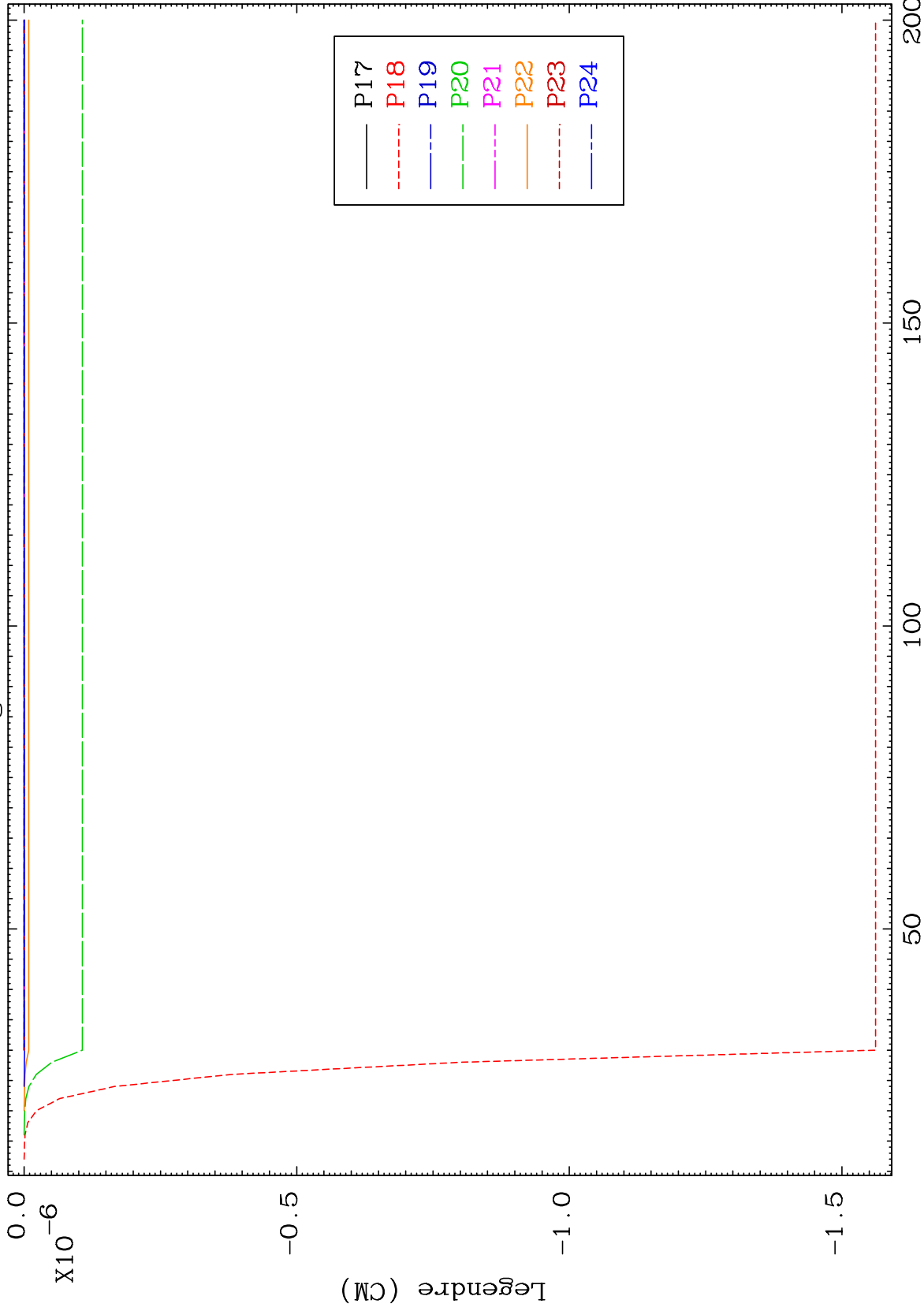


60

Incident Energy (MeV)

31-Ga-75

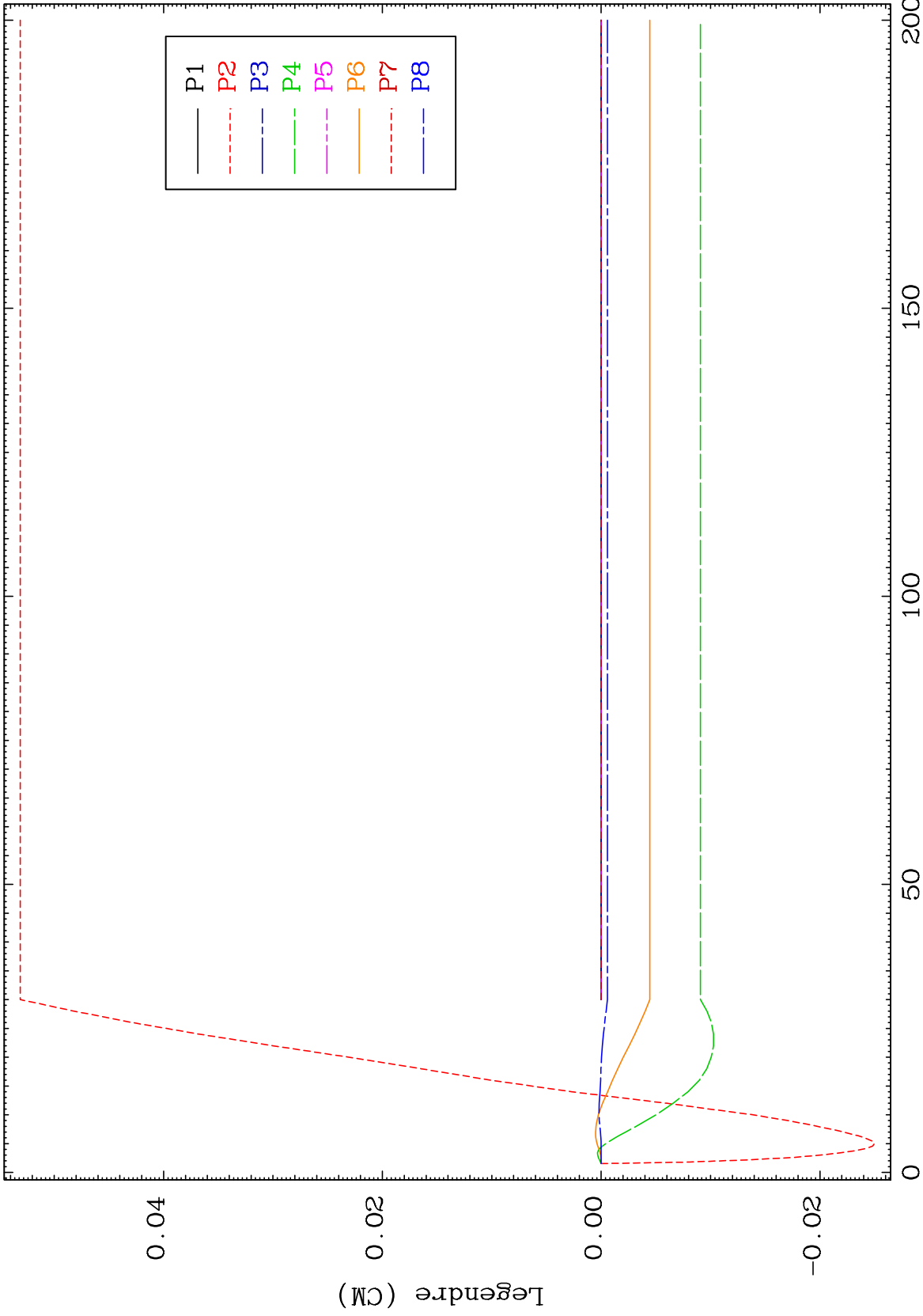
MAT 3143 MT= 62 (n,n') Level Legendre Coefficients 31-Ga-75



MAT 3143

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

31-Ga-75



62

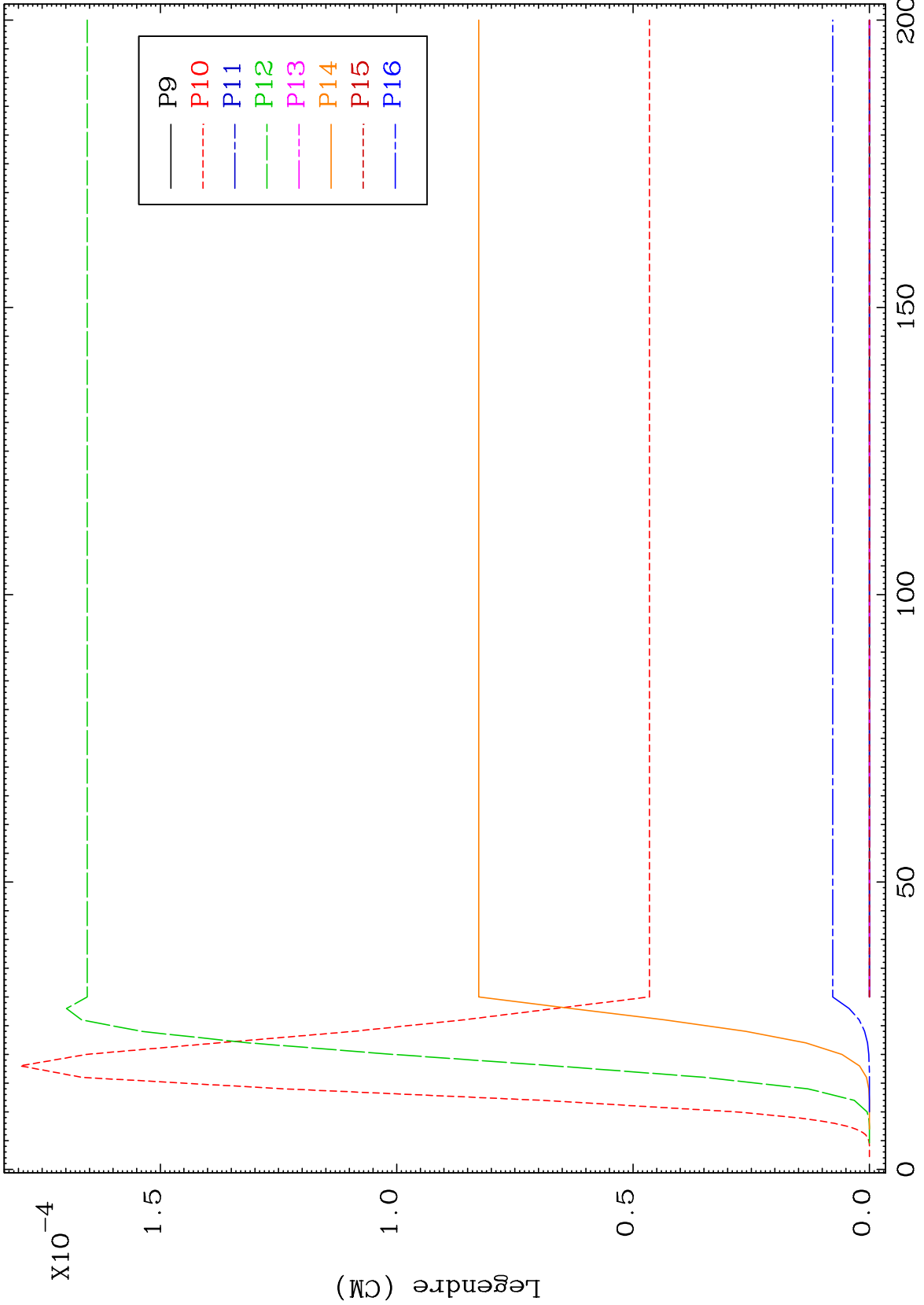
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



63

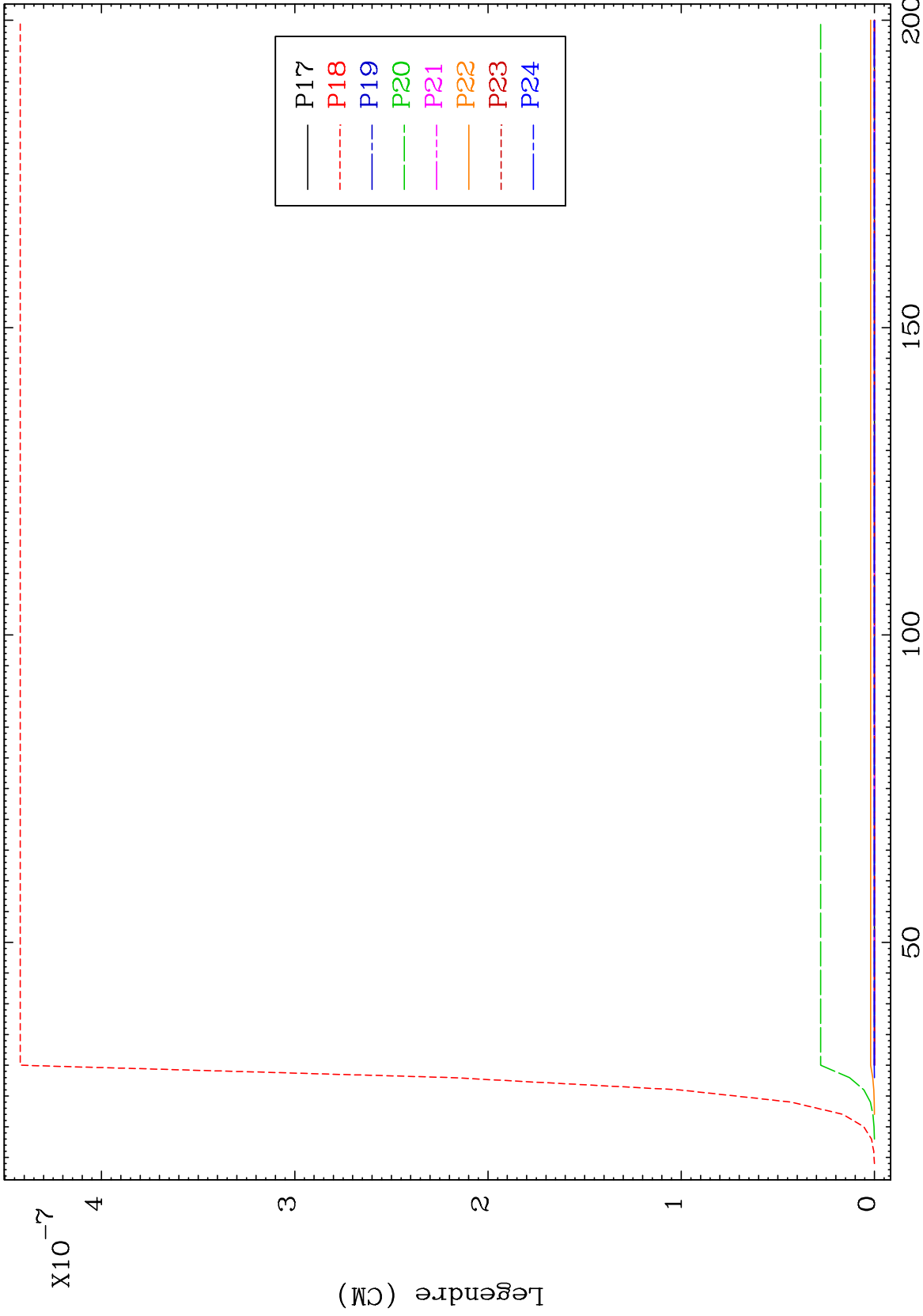
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75

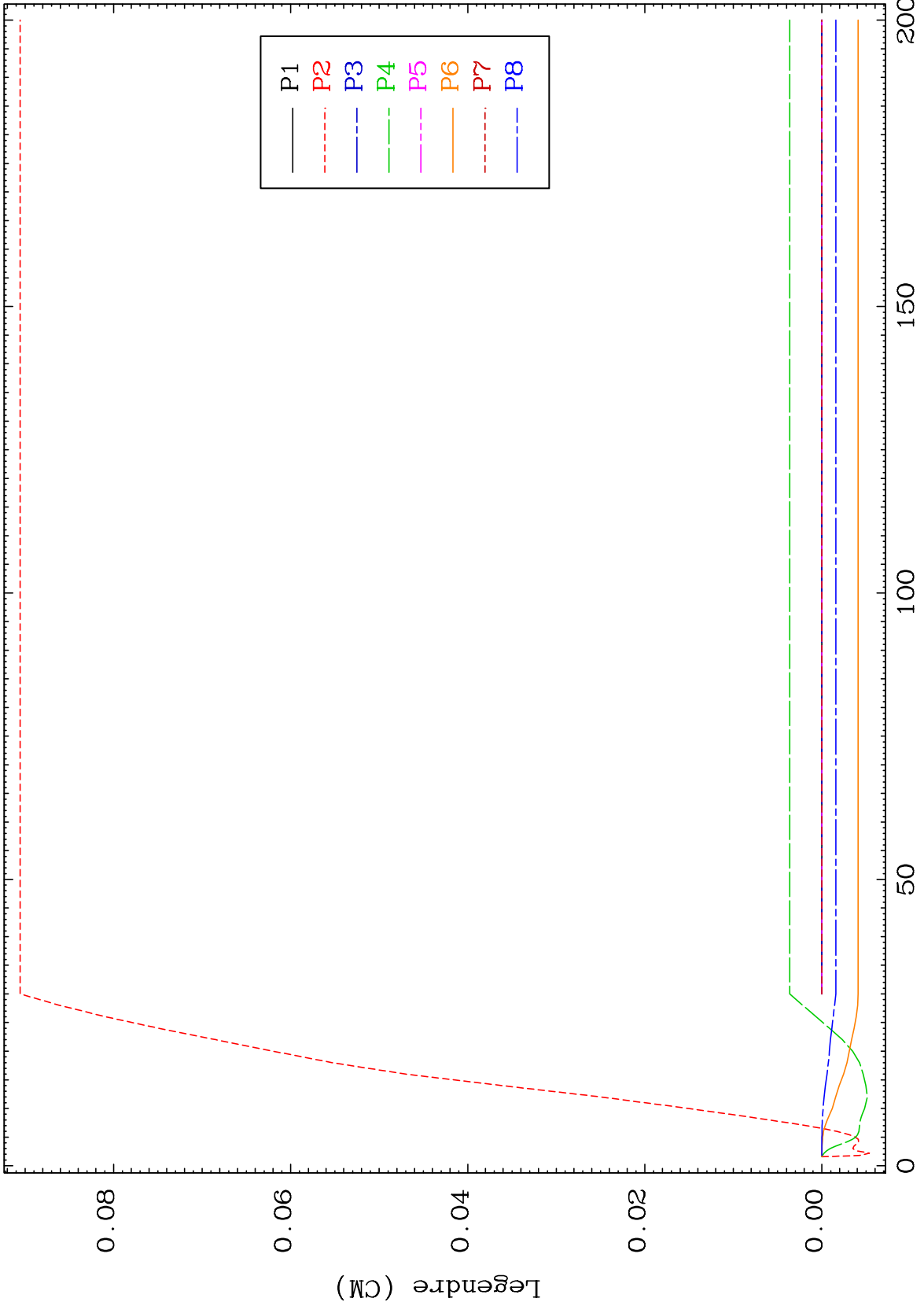


64

Incident Energy (MeV)

31-Ga-75

MAT 3143 MT= 64 (n,n') Level Legendre Coefficients 31-Ga-75

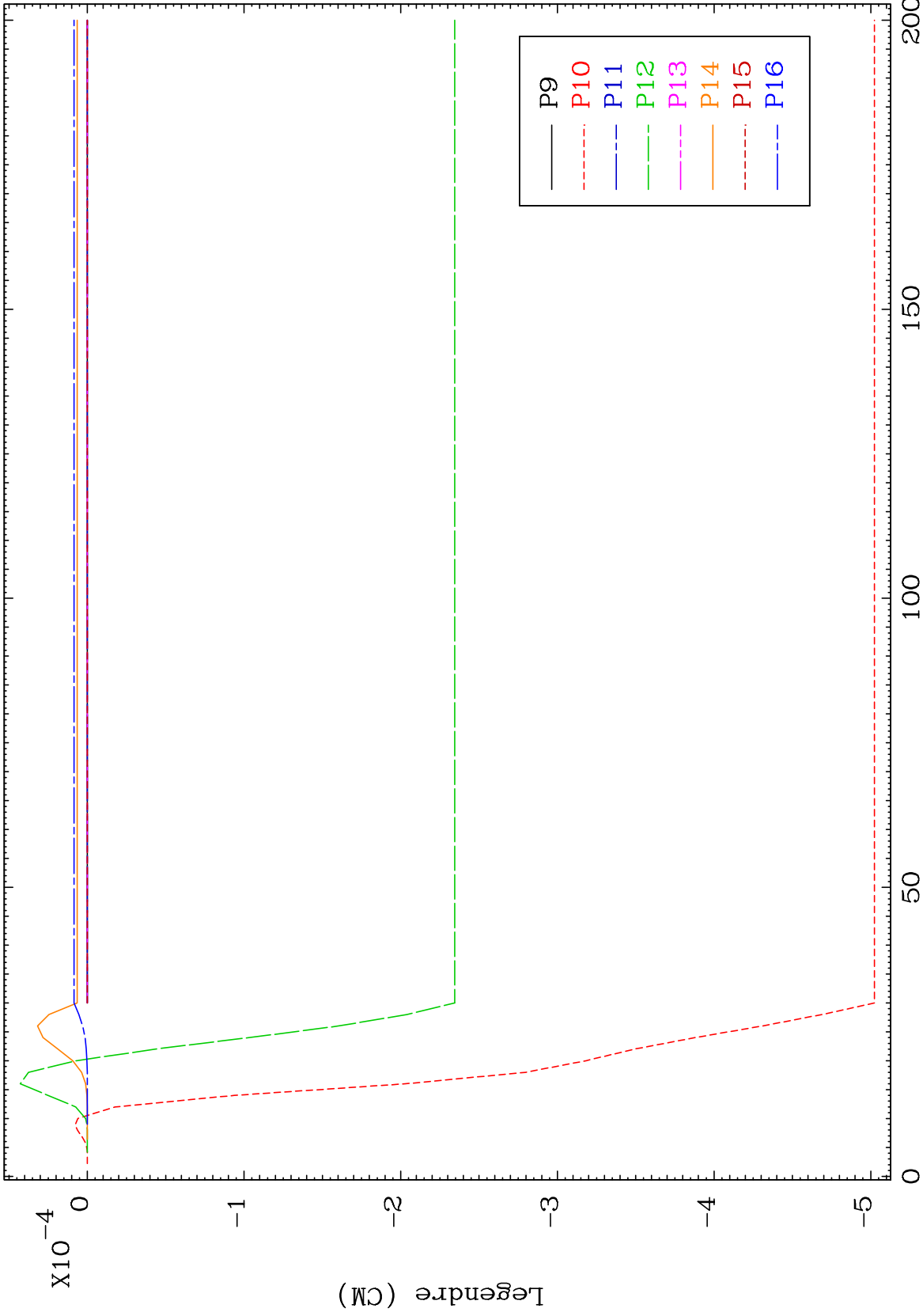


65 31-Ga-75

MAT 3143

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

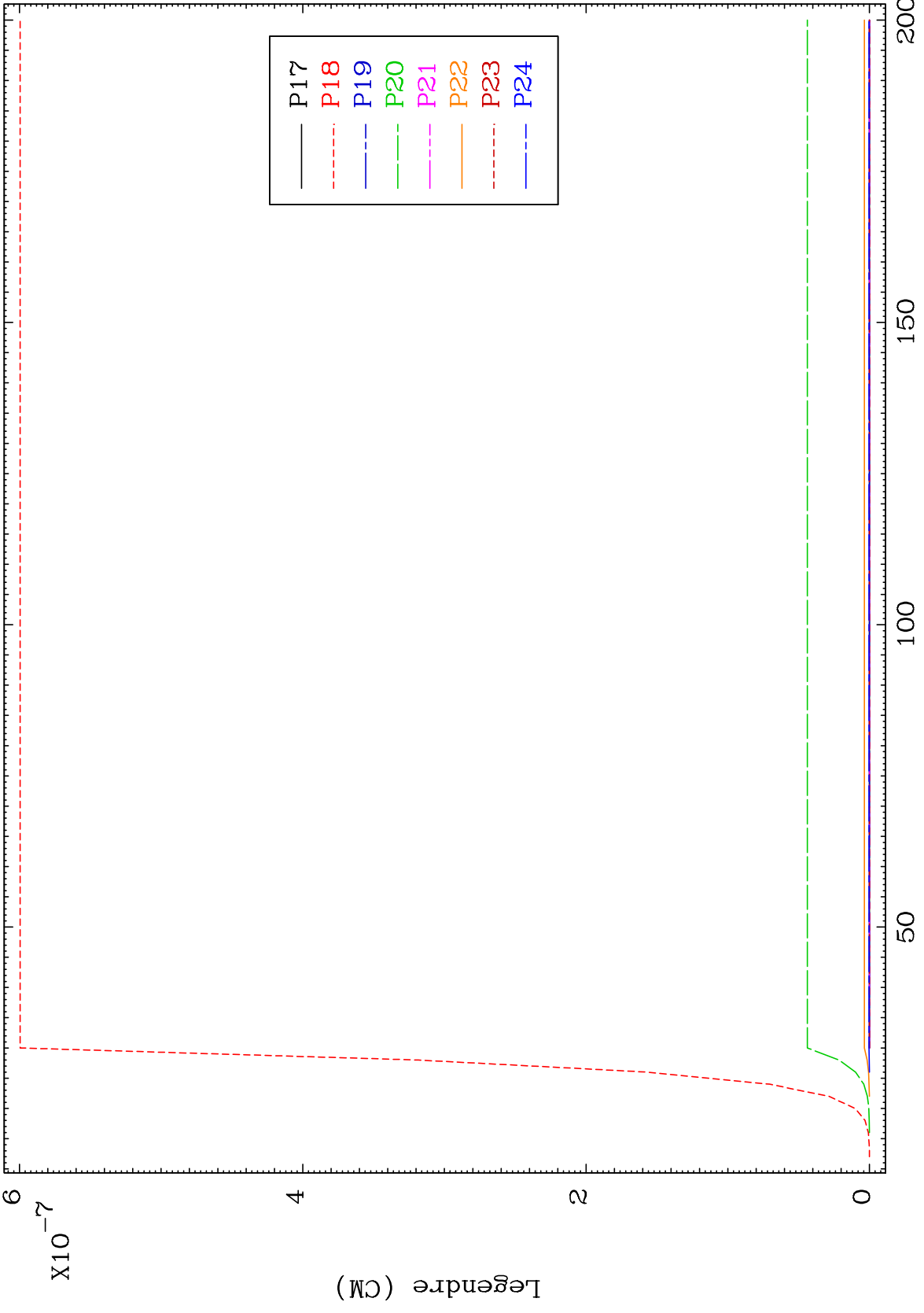
31-Ga-75



66

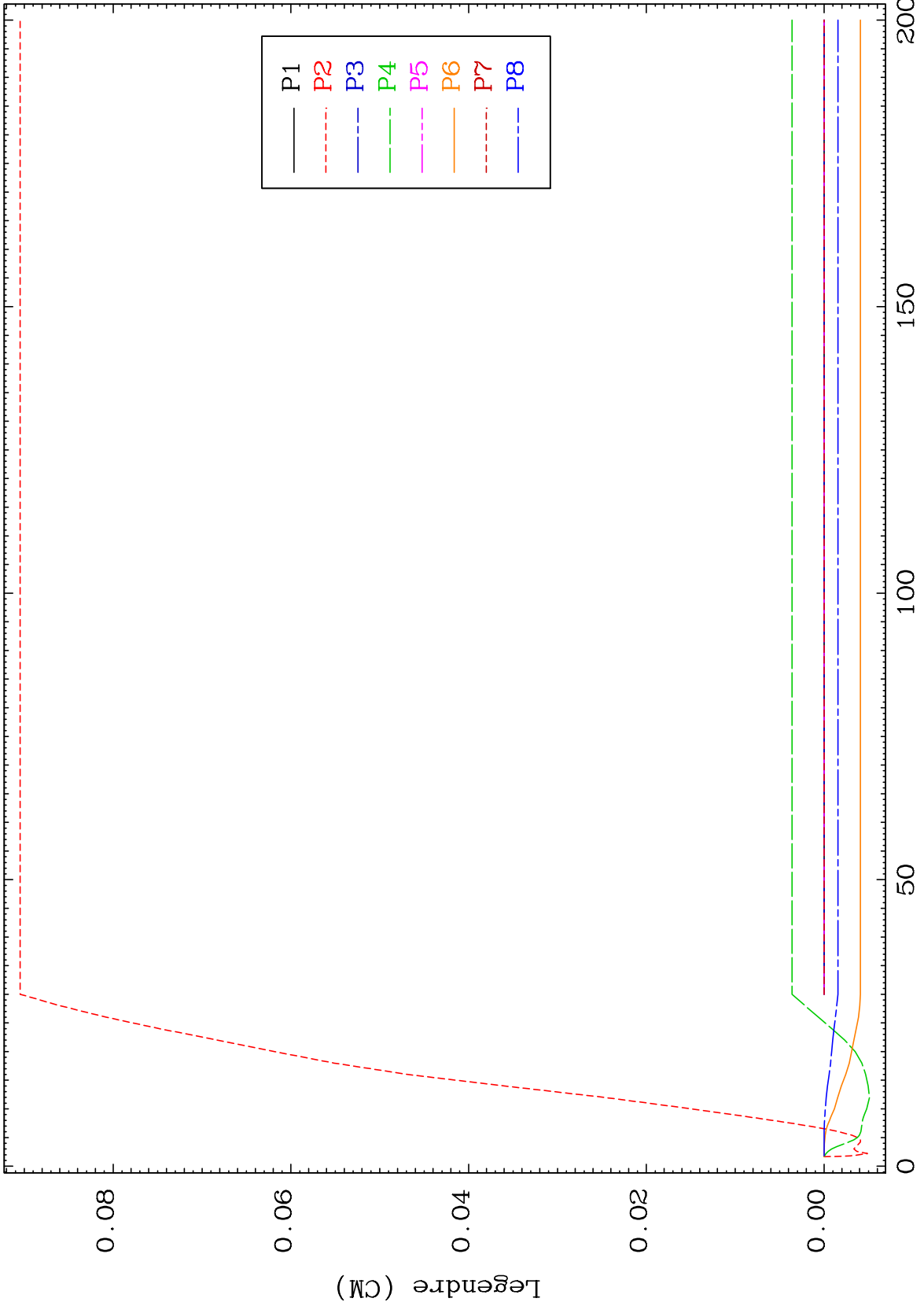
31-Ga-75

MAT 3143 MT= 64 (n,n') Level Legendre Coefficients 31-Ga-75



67 31-Ga-75

MAT 3143 MT= 65 (n,n') Level Legendre Coefficients 31-Ga-75

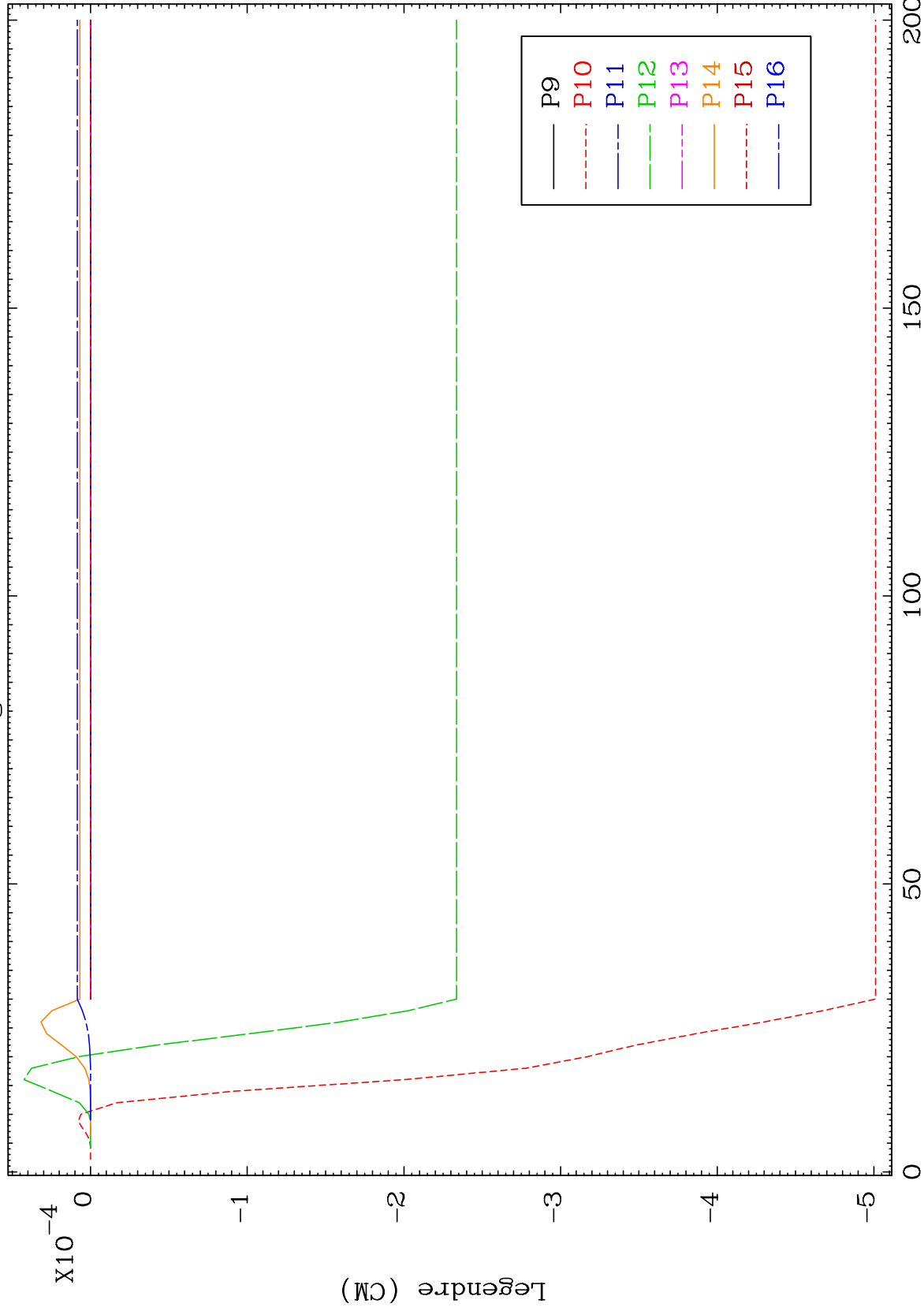


68 31-Ga-75

MAT 3143

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

31-Ga-75

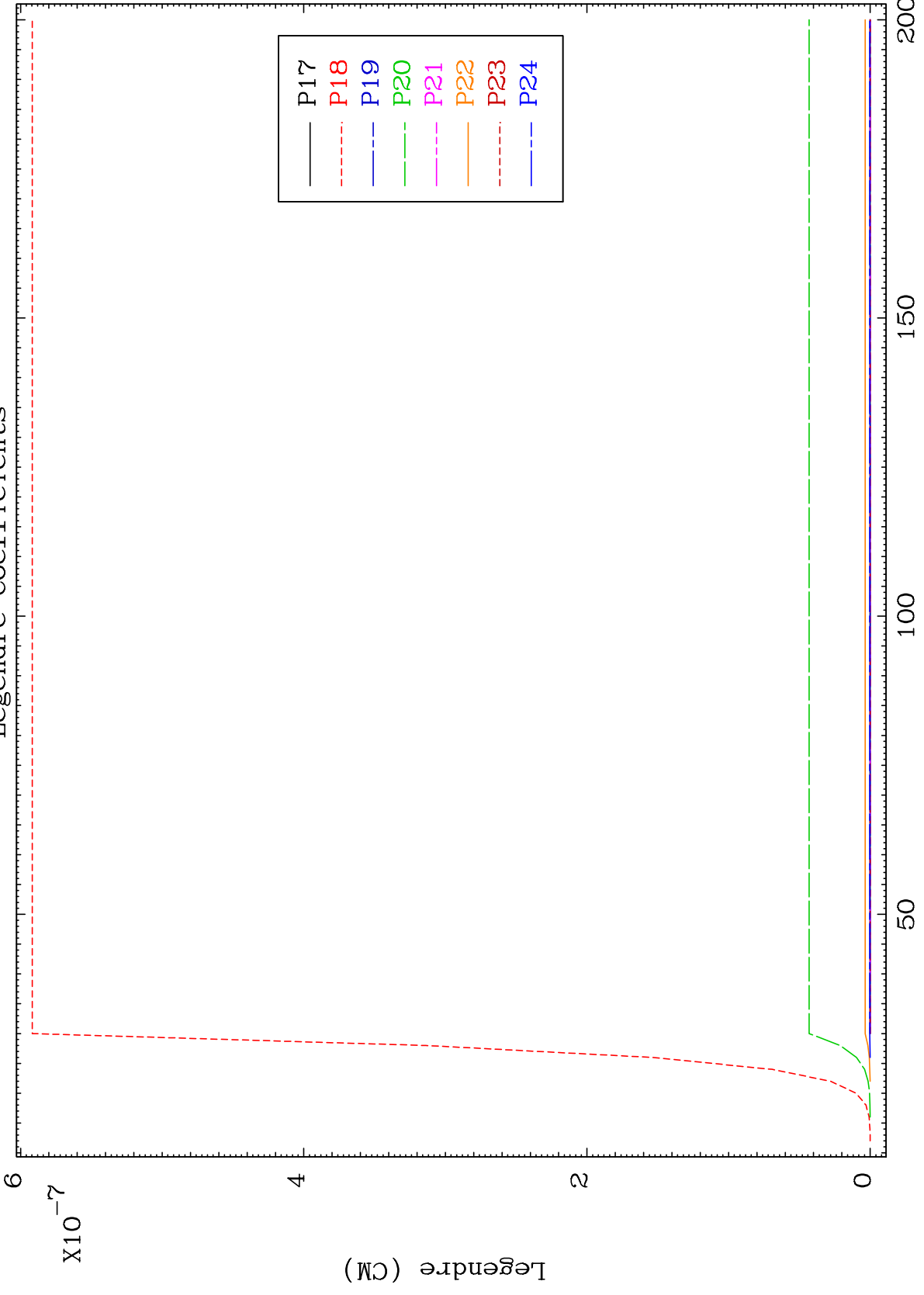


69

Incident Energy (MeV)

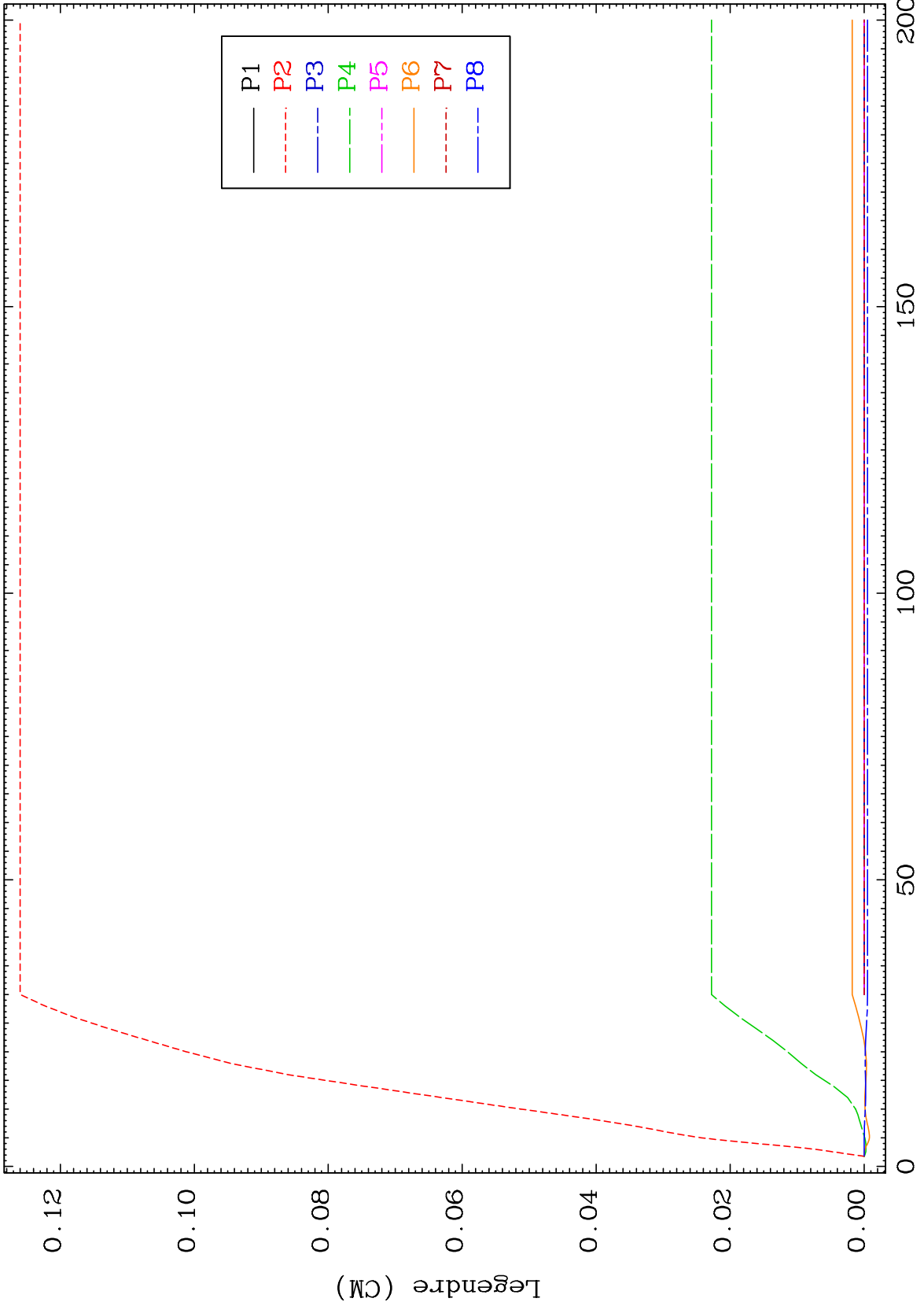
31-Ga-75

MAT 3143 MT= 65 (n,n') Level Legendre Coefficients 31-Ga-75



70 150 200 31-Ga-75

MAT 3143 MT= 66 (n,n') Level Legendre Coefficients 31-Ga-75

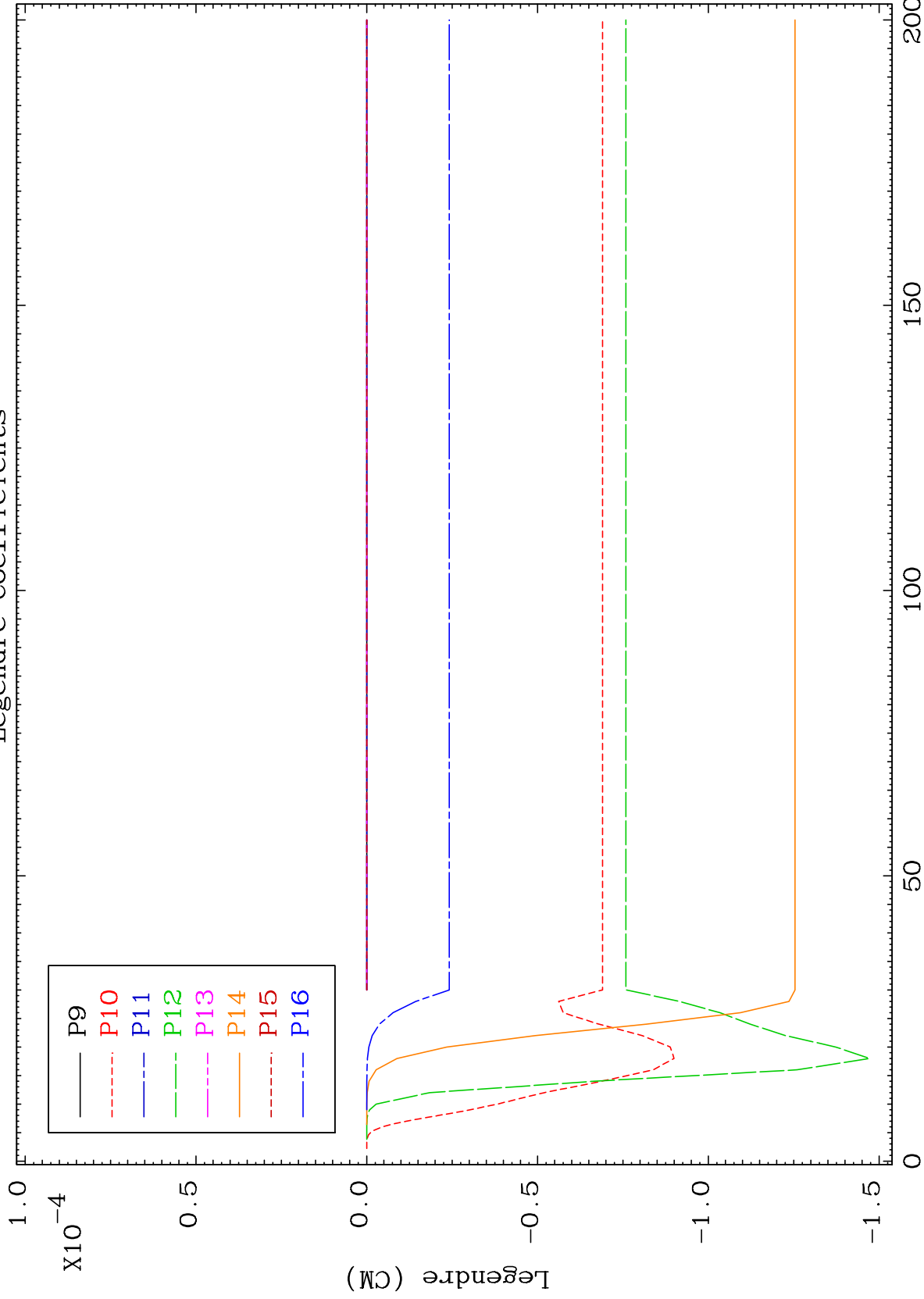


71 Incident Energy (MeV) 31-Ga-75

MAT 3143

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

31-Ga-75

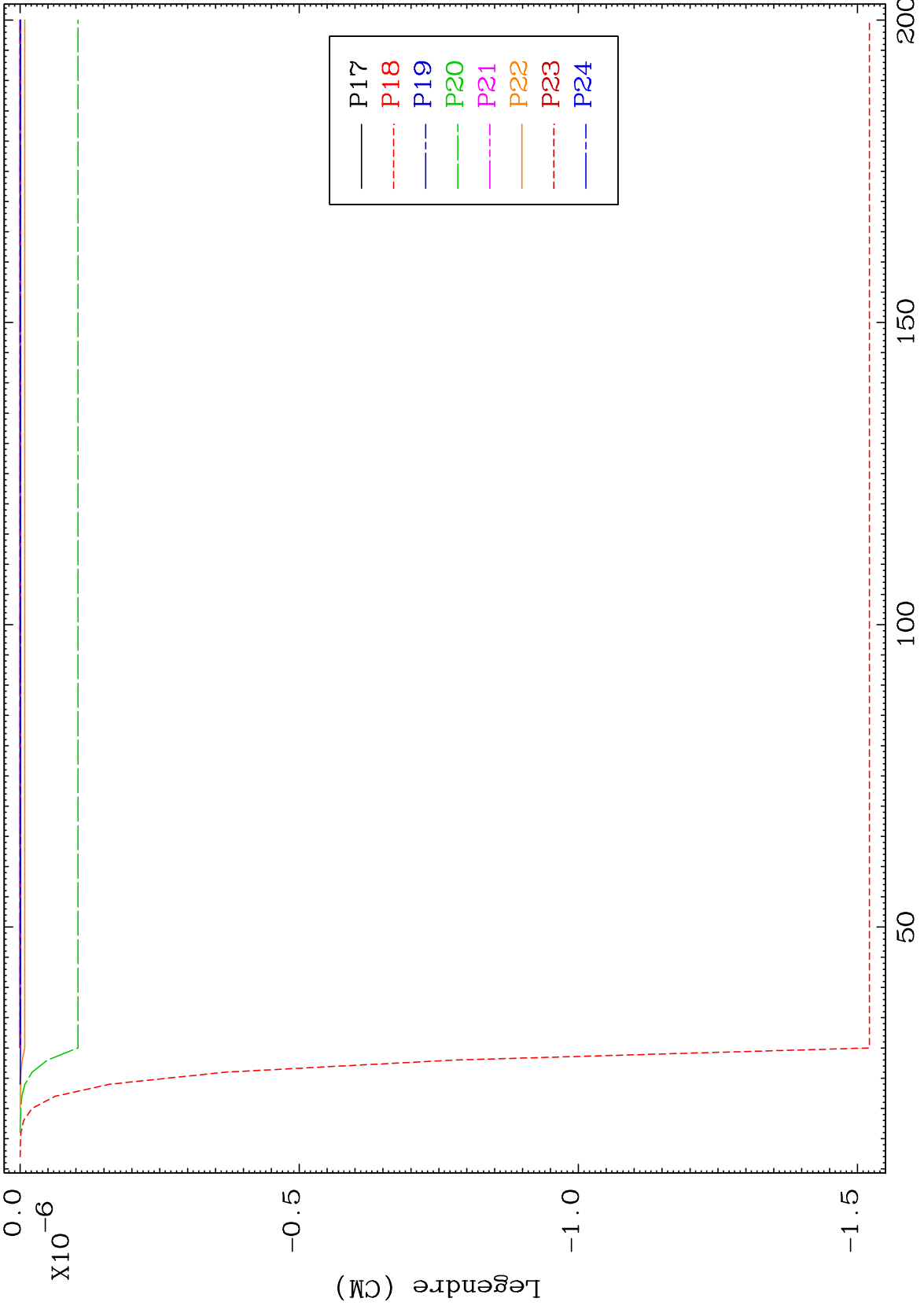


72

Incident Energy (MeV)

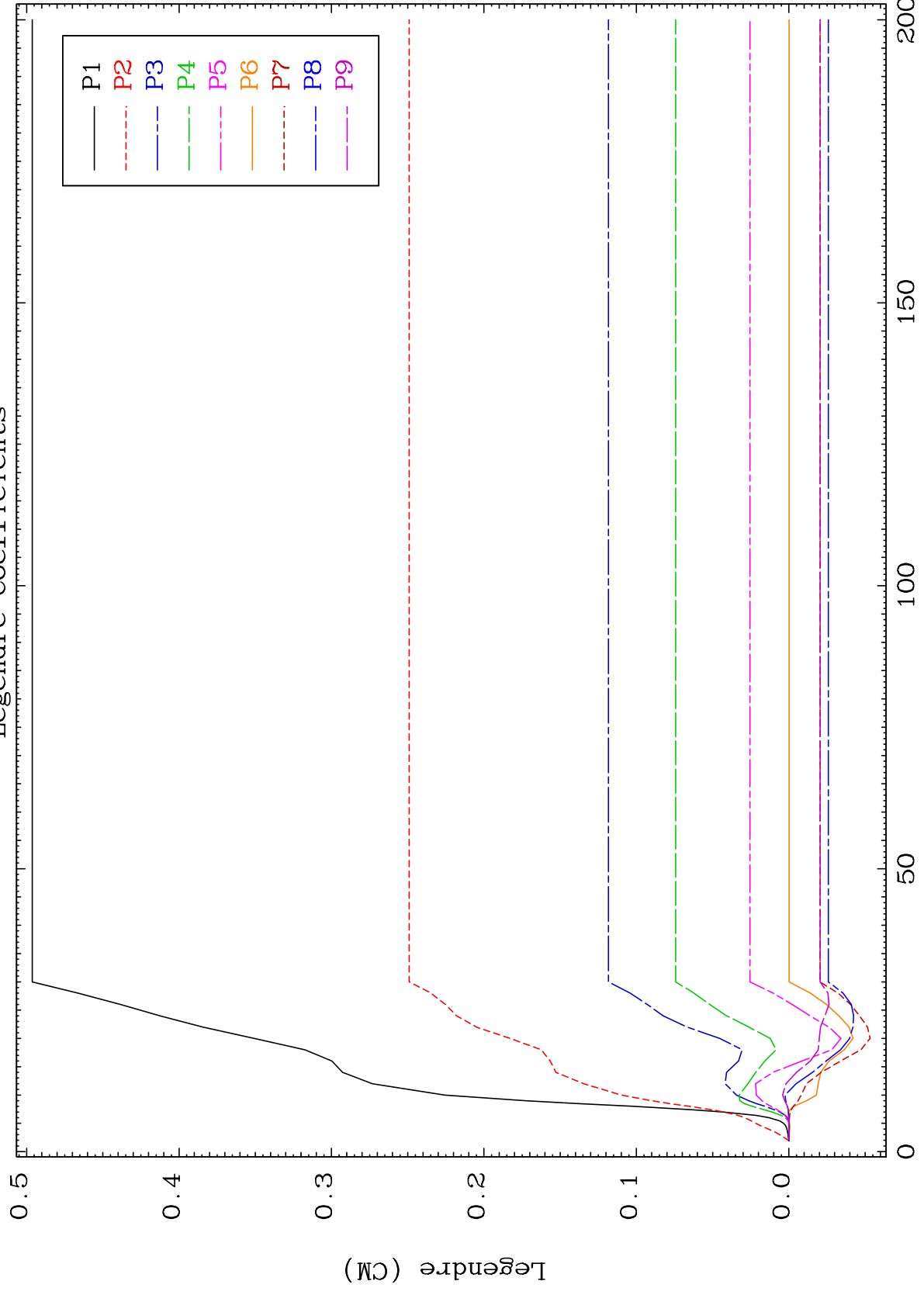
31-Ga-75

MAT 3143 MT= 66 (n,n') Level Legendre Coefficients 31-Ga-75



73 31-Ga-75

MAT 3143 MT= 67 (n,n') Level Legendre Coefficients 31-Ga-75

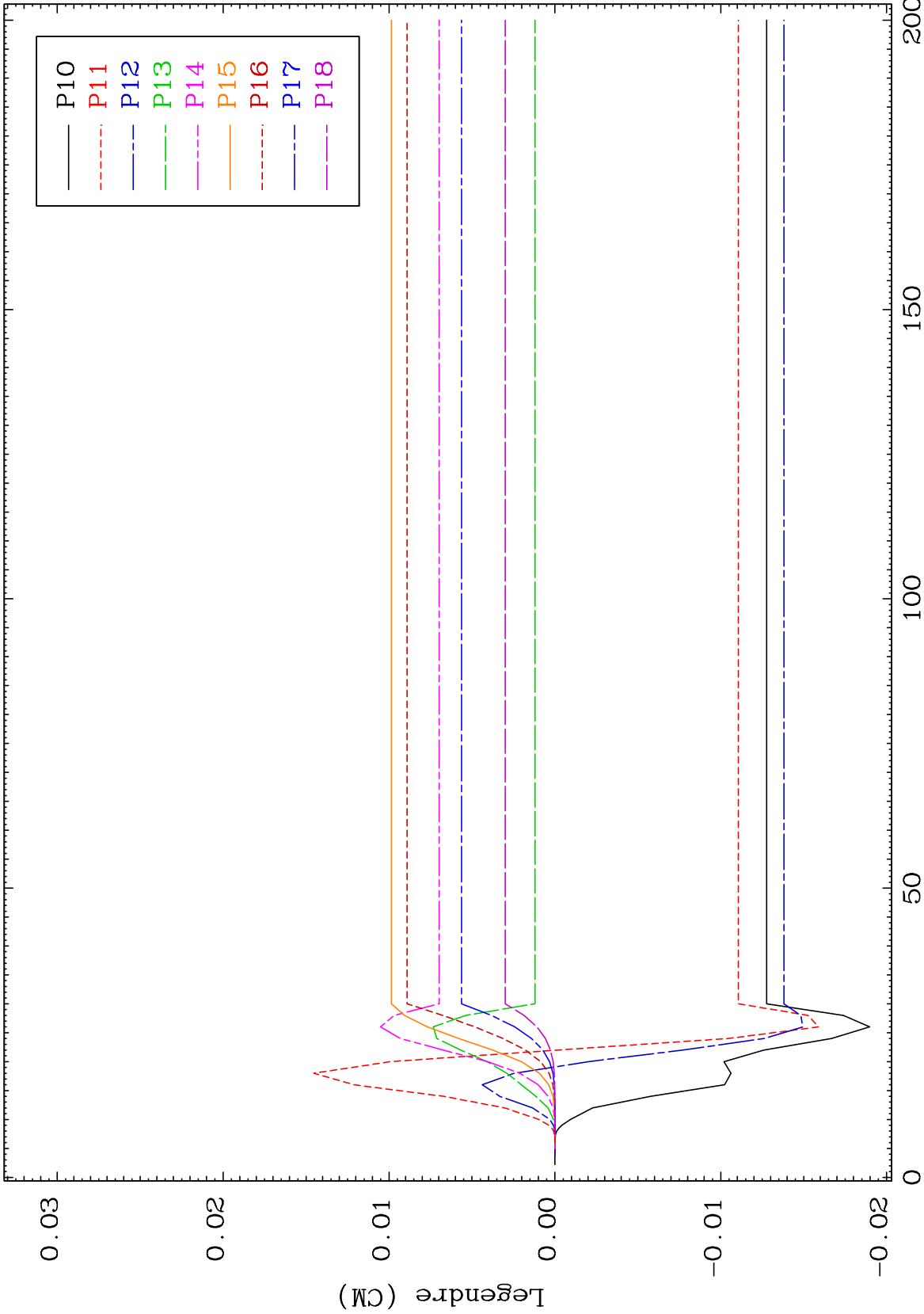


74 31-Ga-75

MAT 3143

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

31-Ga-75



75

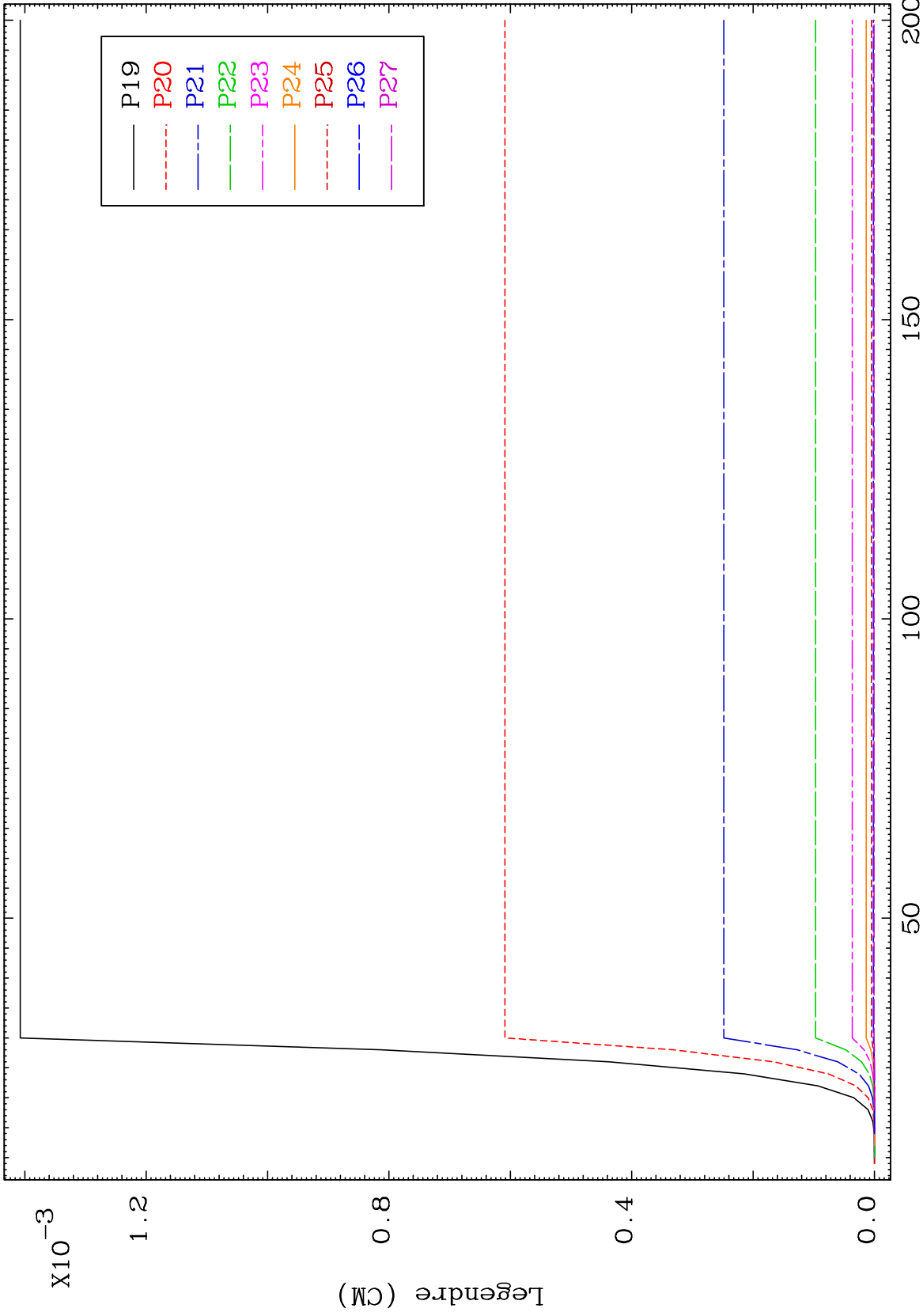
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



76

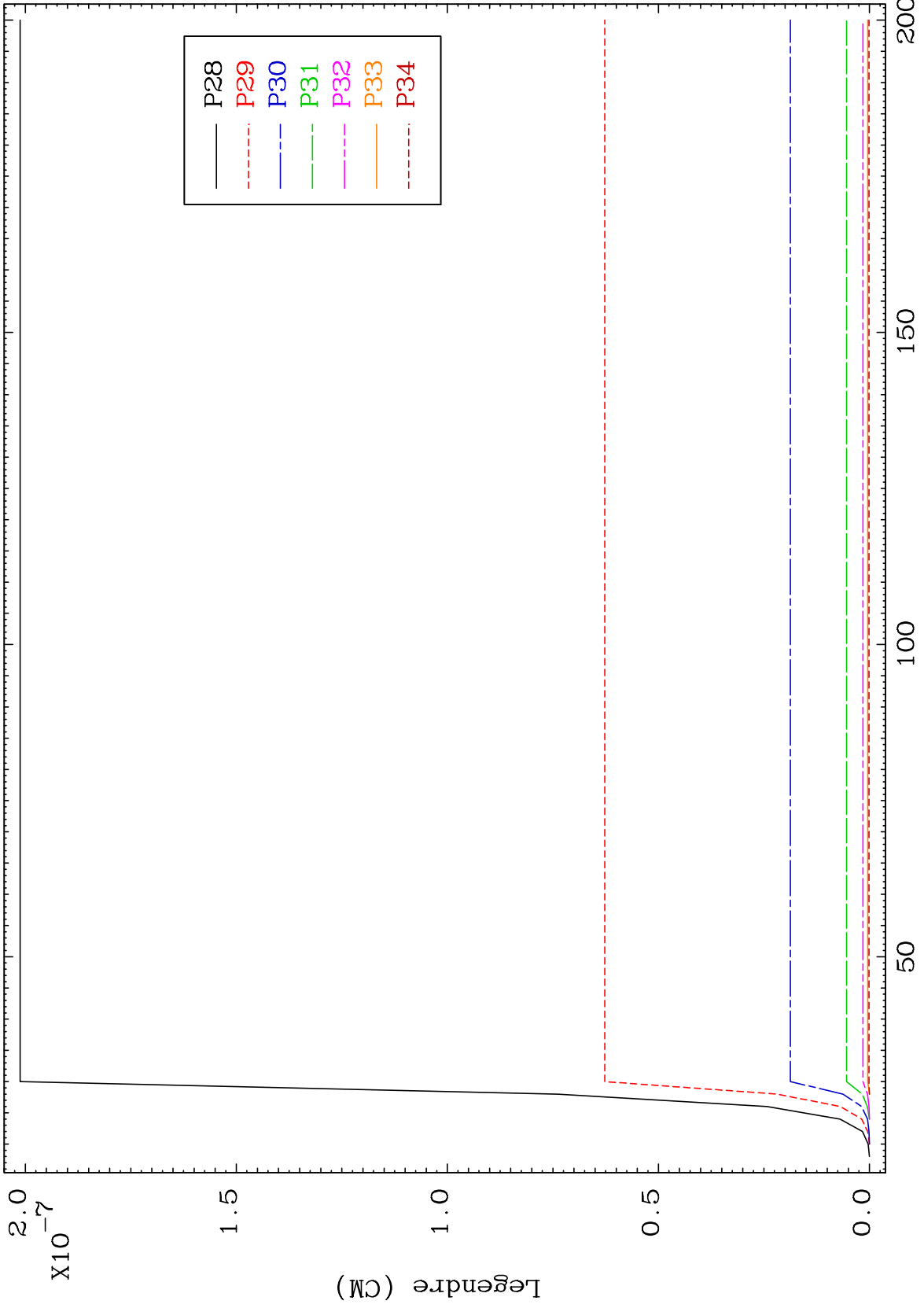
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

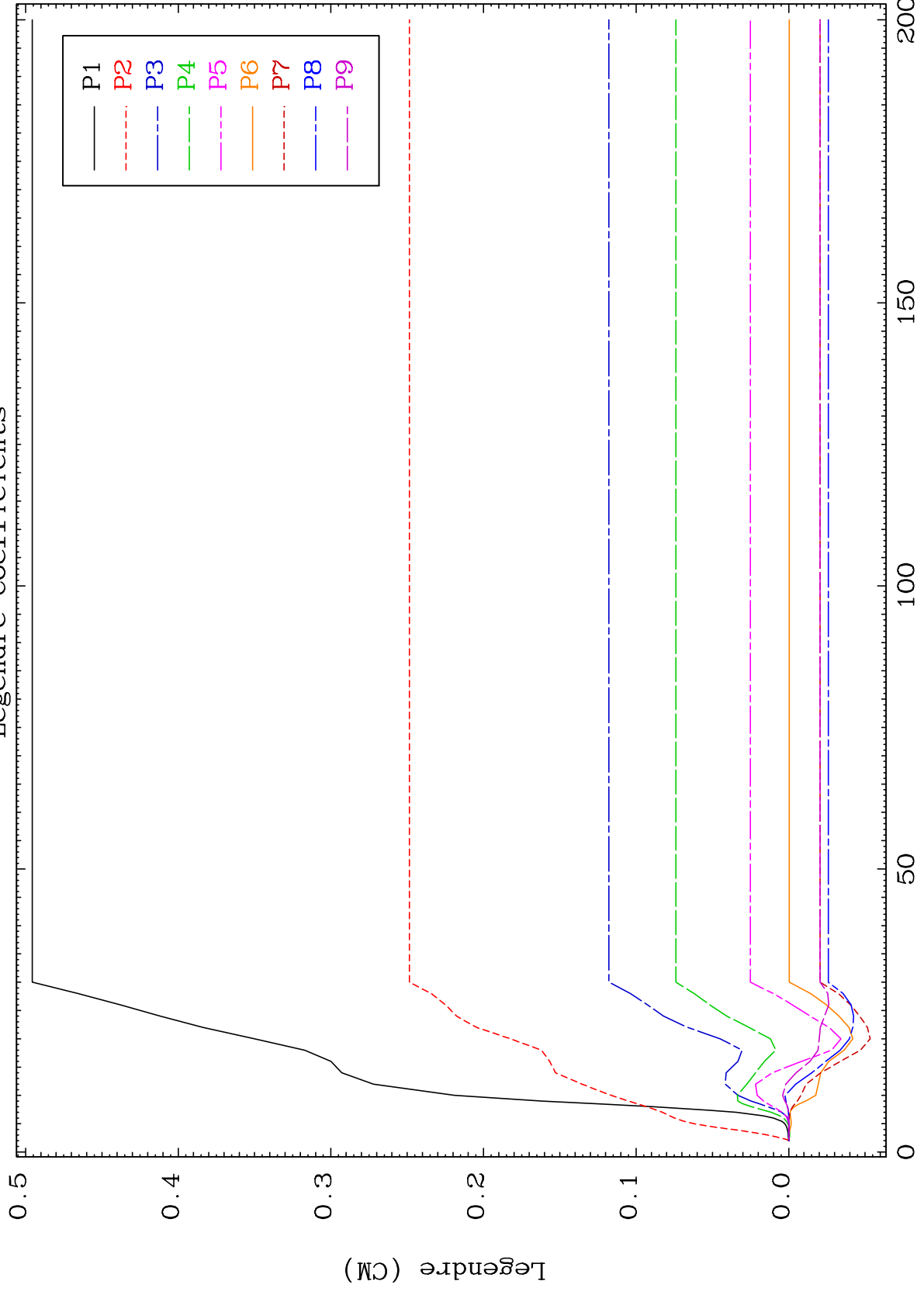
31-Ga-75



77

31-Ga-75

MAT 3143 MT= 68 (n,n') Level Legendre Coefficients 31-Ga-75

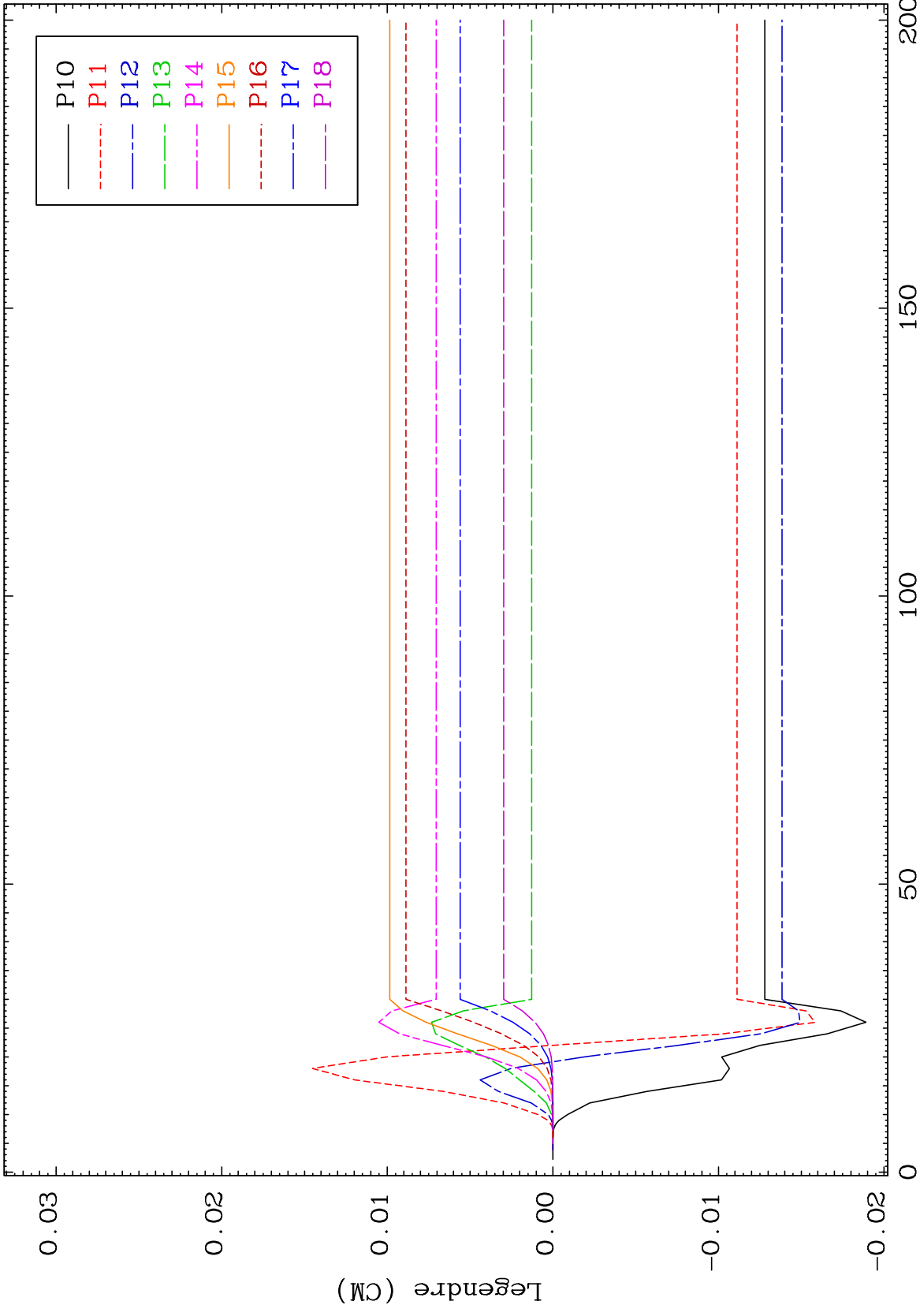


78 Incident Energy (MeV) 31-Ga-75

MAT 3143

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

31-Ga-75



79

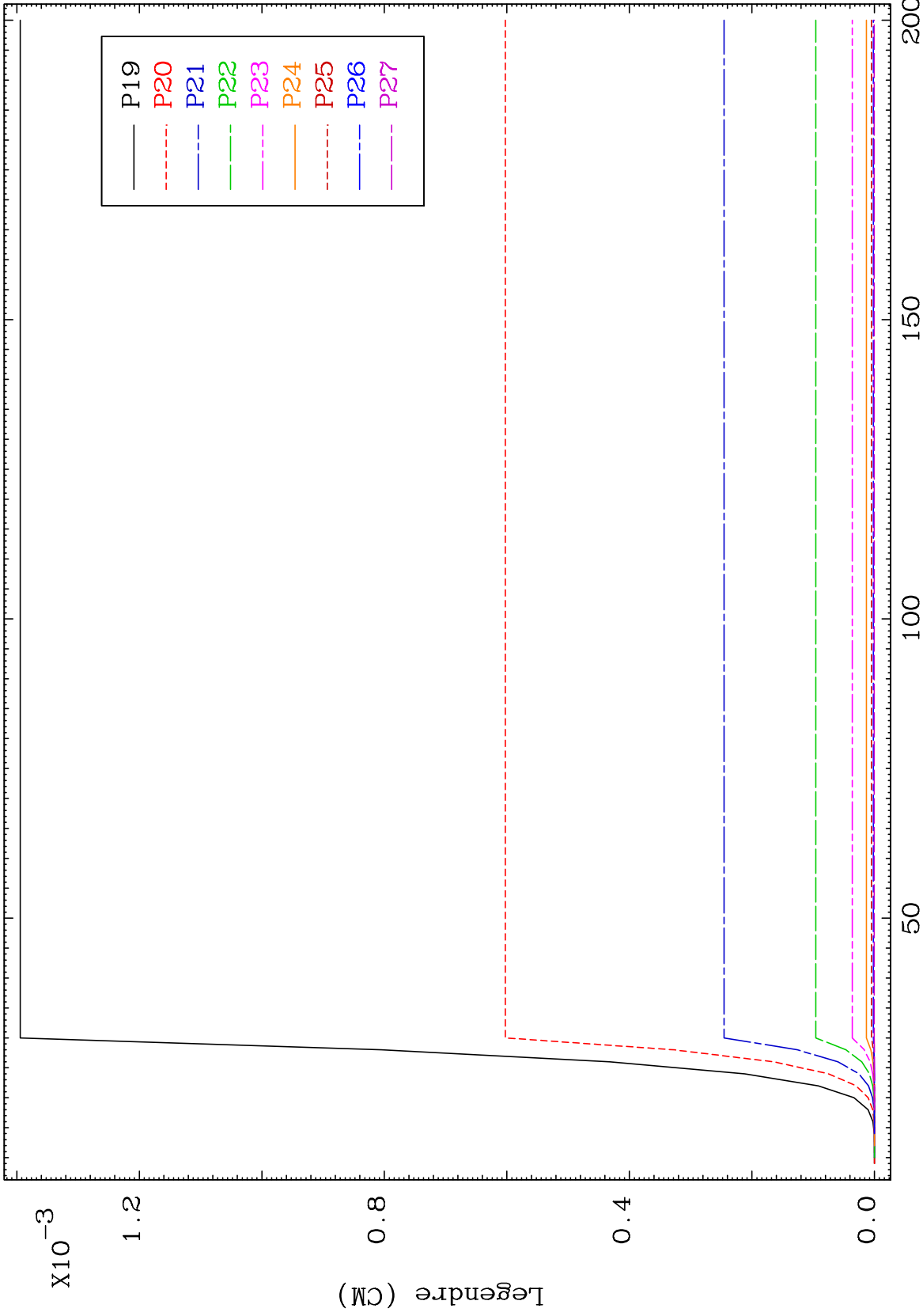
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75

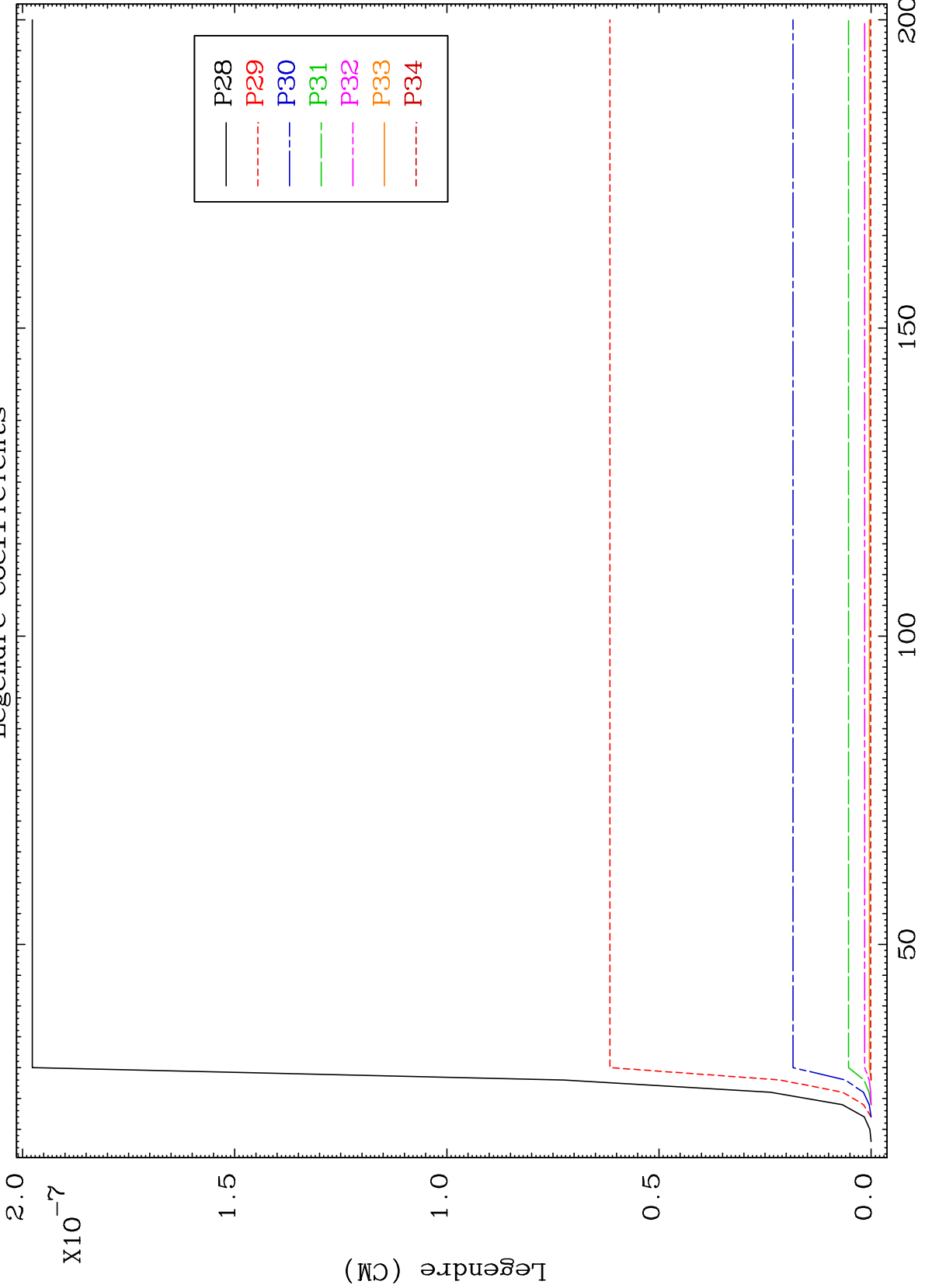


80

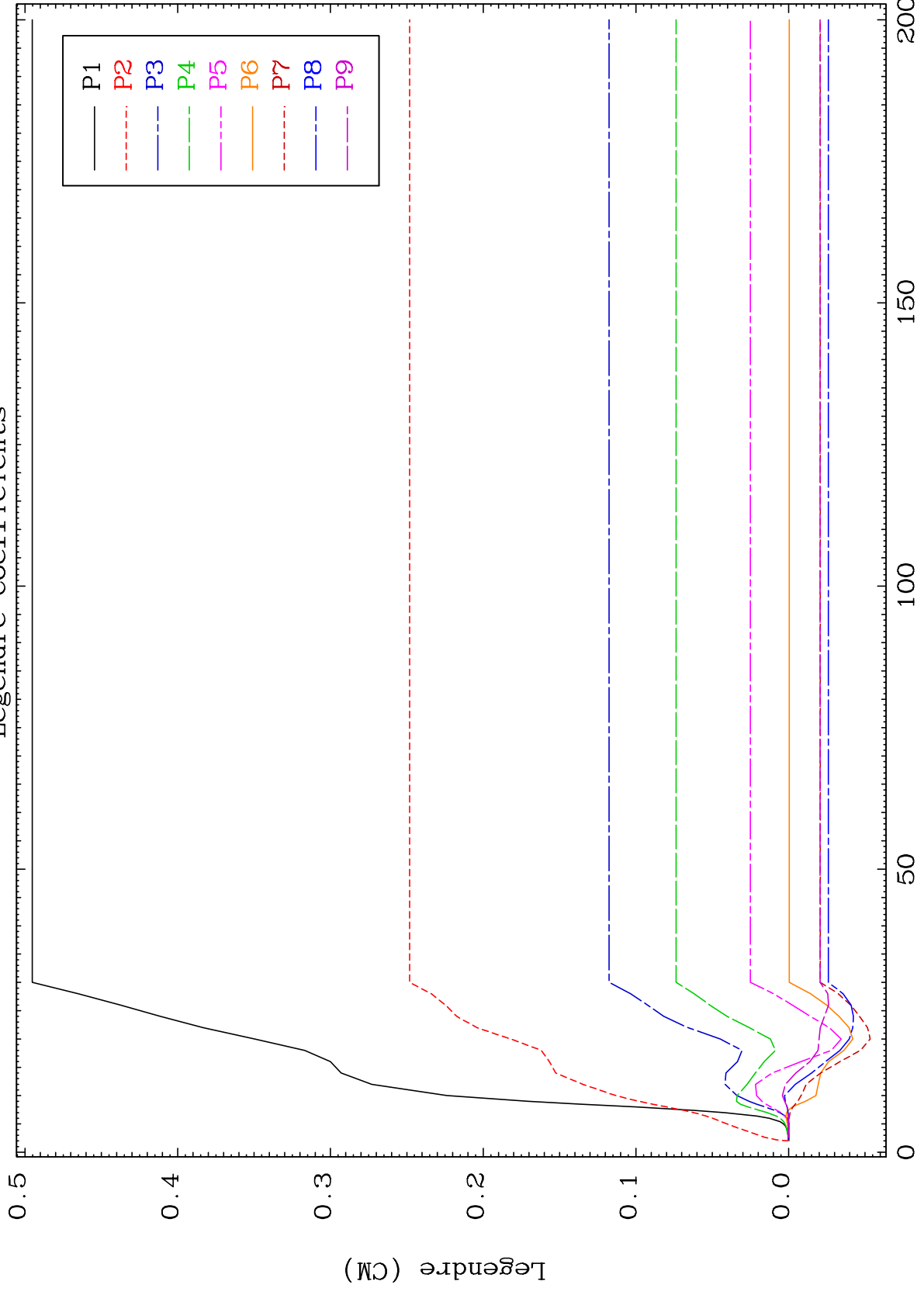
Incident Energy (MeV)

31-Ga-75

MAT 3143 MT= 68 (n,n') Level Legendre Coefficients 31-Ga-75



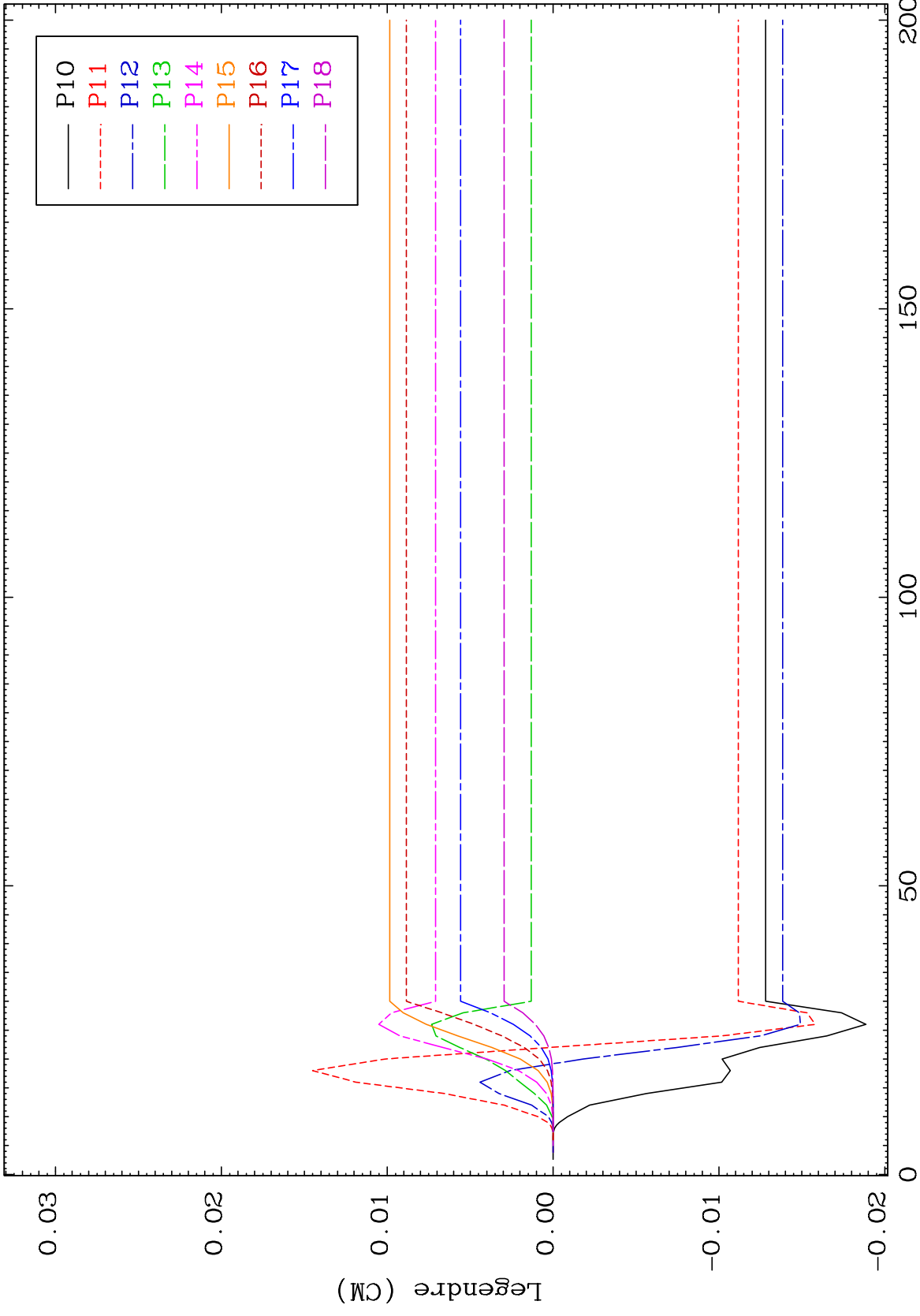
MAT 3143 MT= 69 (n,n') Level Legendre Coefficients 31-Ga-75



MAT 3143

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

31-Ga-75



83

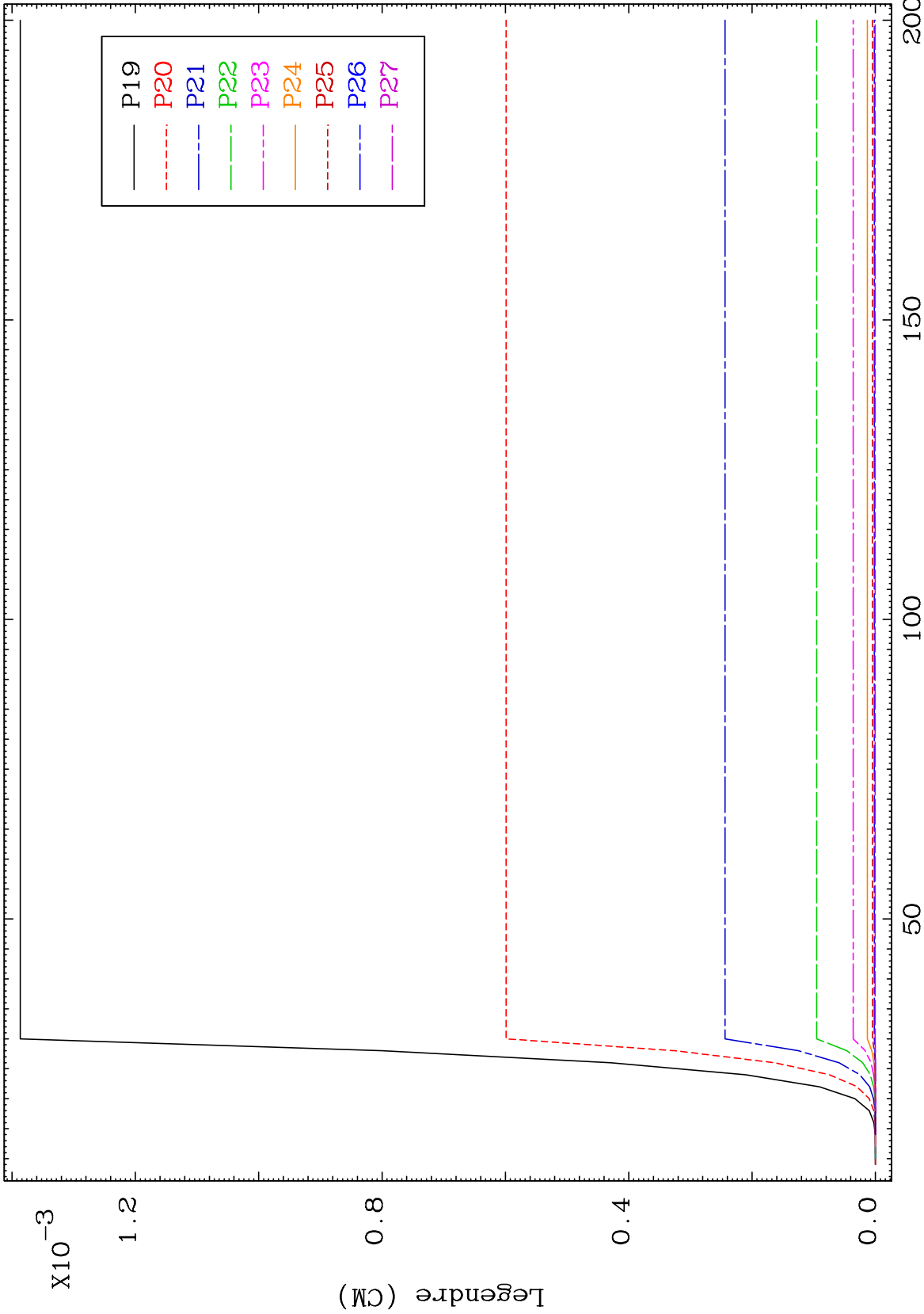
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



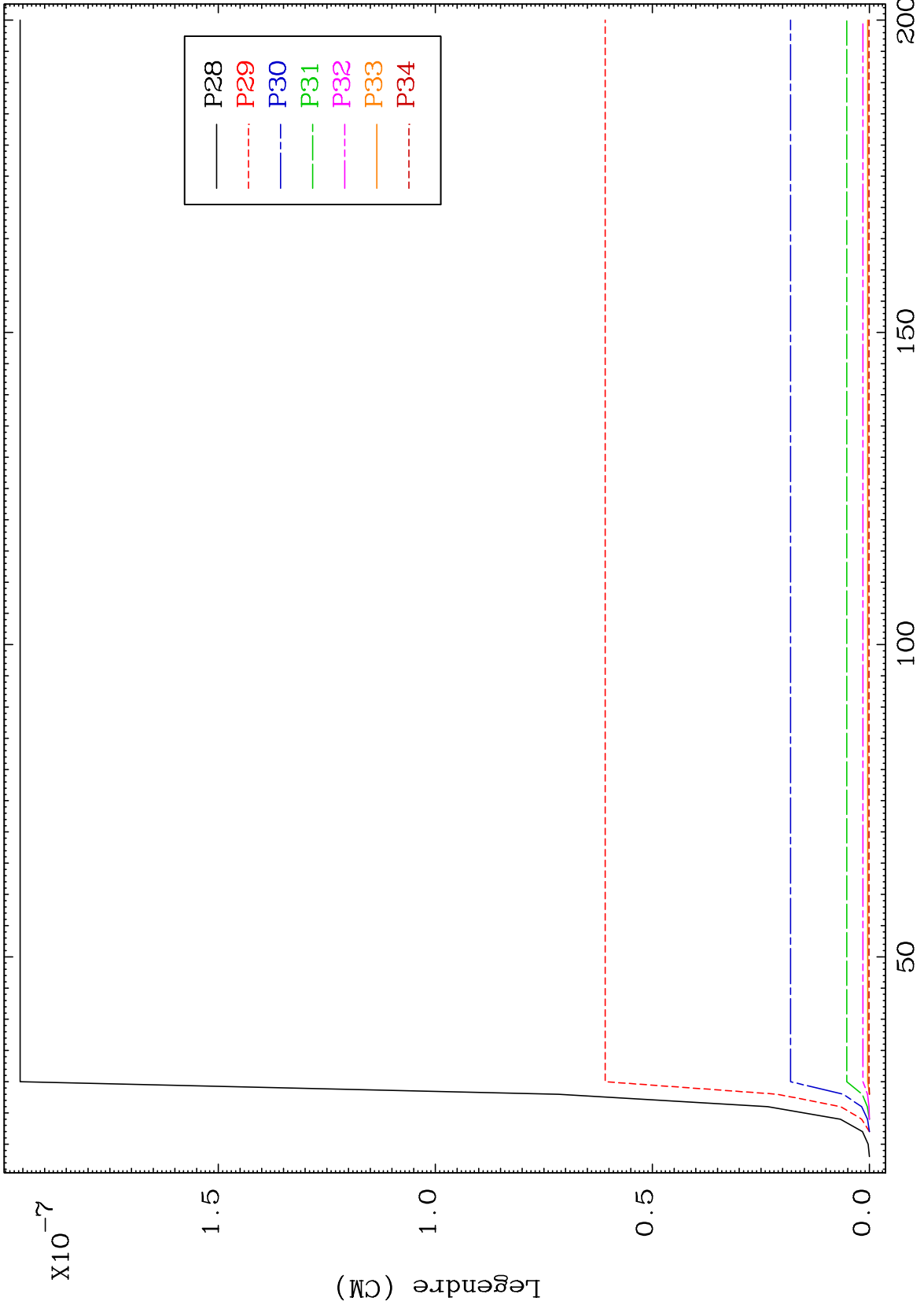
84

31-Ga-75

MAT 3143

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

31-Ga-75

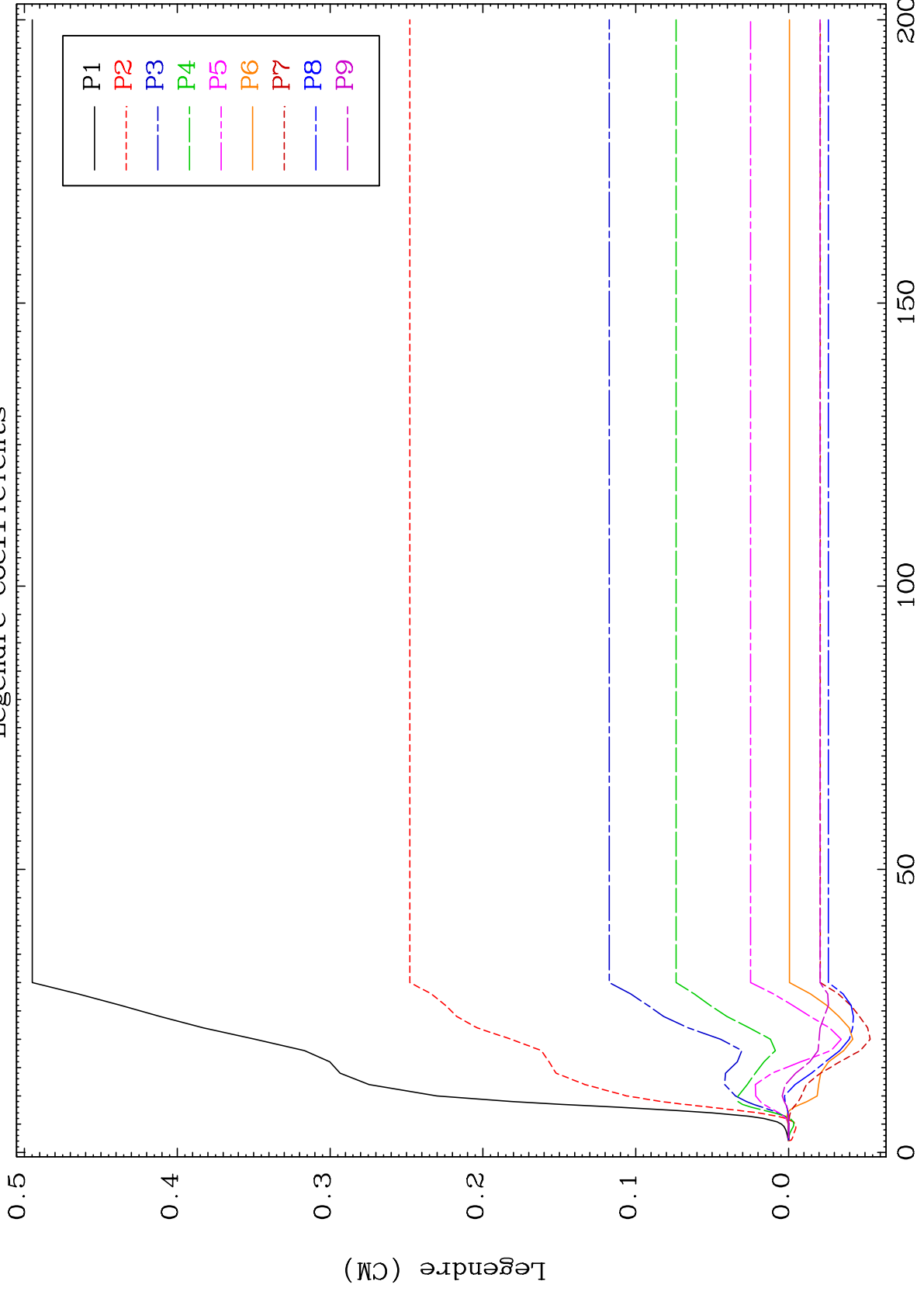


85

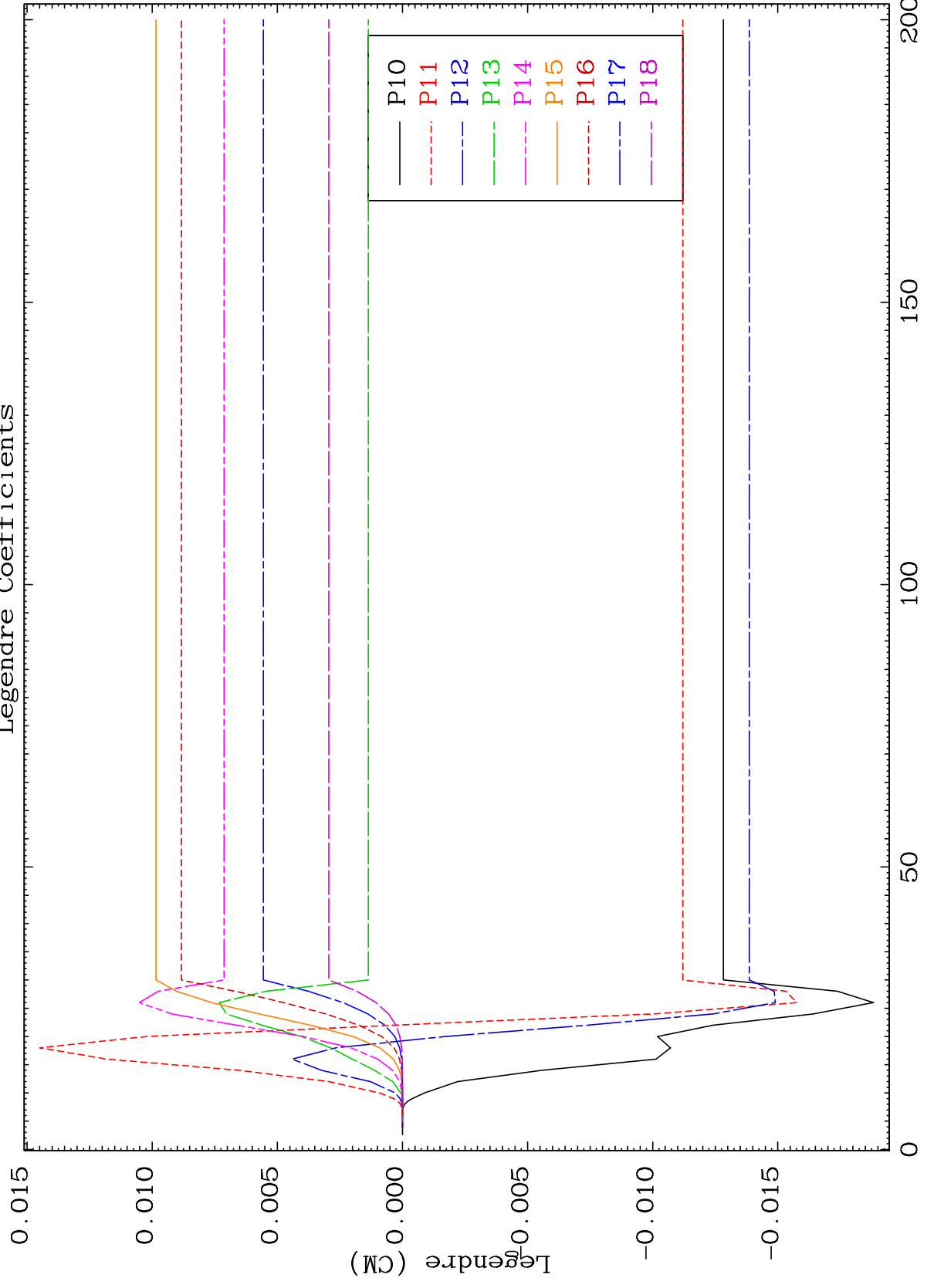
Incident Energy (MeV)

31-Ga-75

MAT 3143 MT= 70 (n,n') Level Legendre Coefficients 31-Ga-75



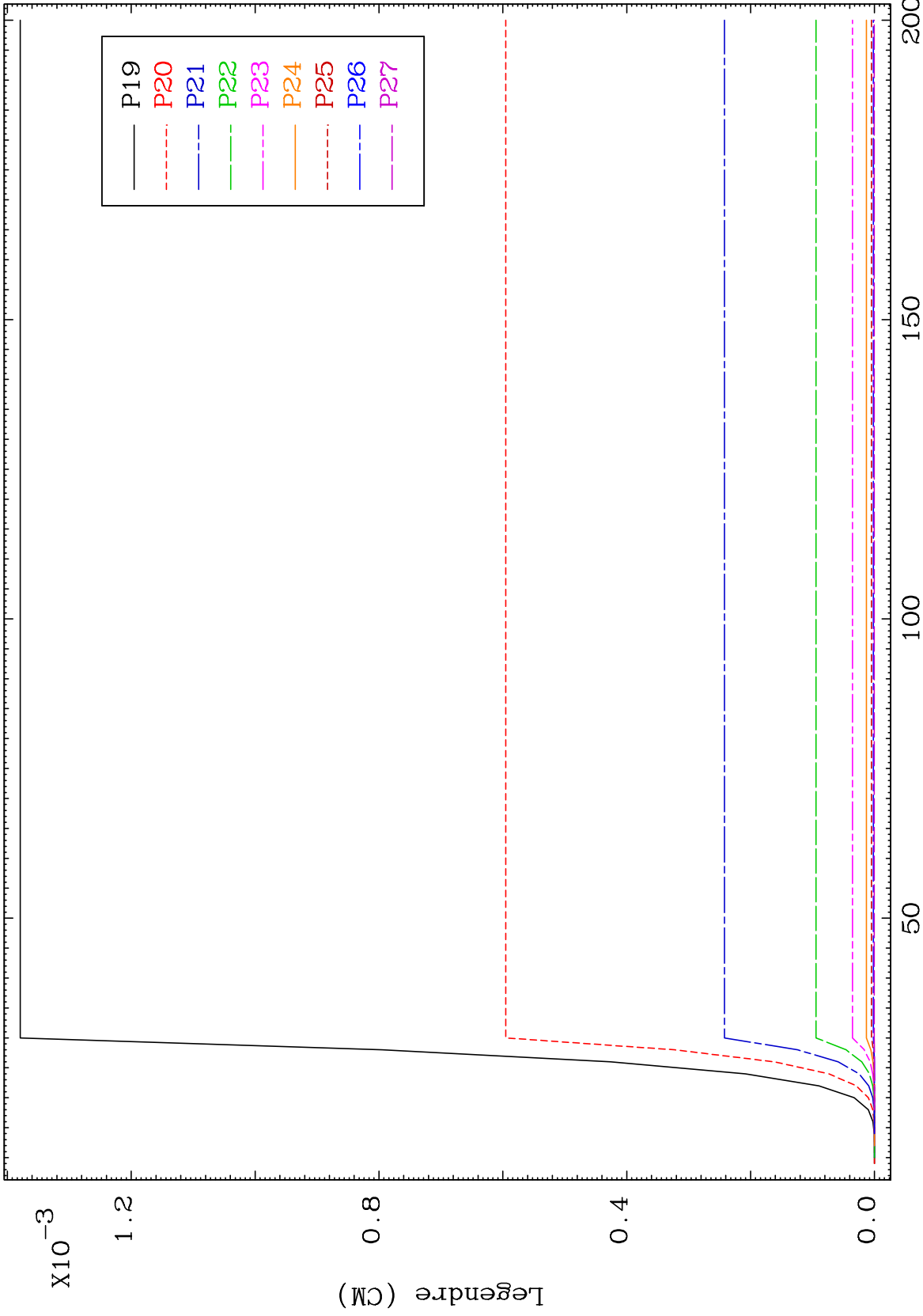
MAT 3143 MT= 70 (n,n') Level Legendre Coefficients 31-Ga-75



MAT 3143

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

31-Ga-75



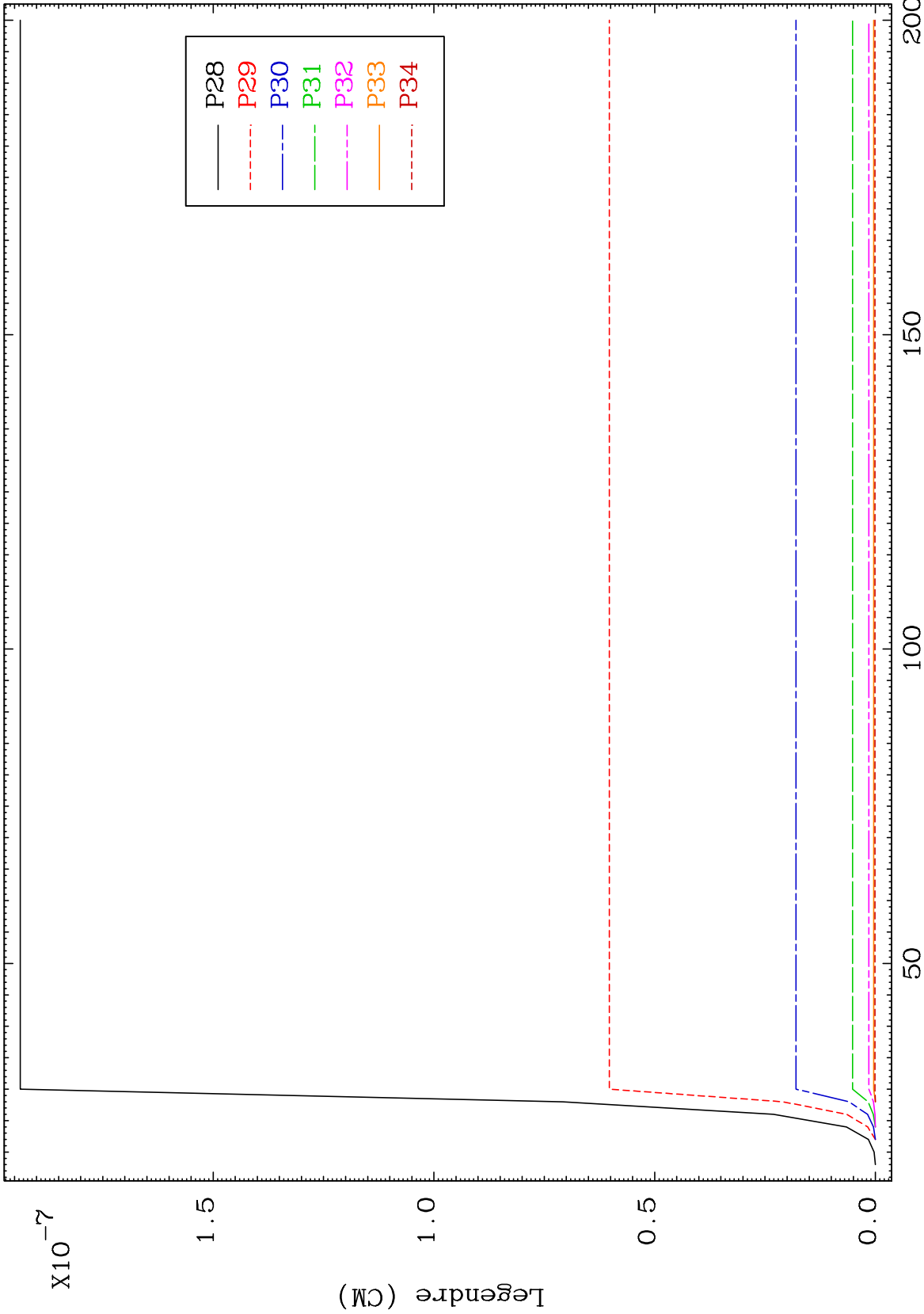
88

31-Ga-75

MAT 3143

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

31-Ga-75



89

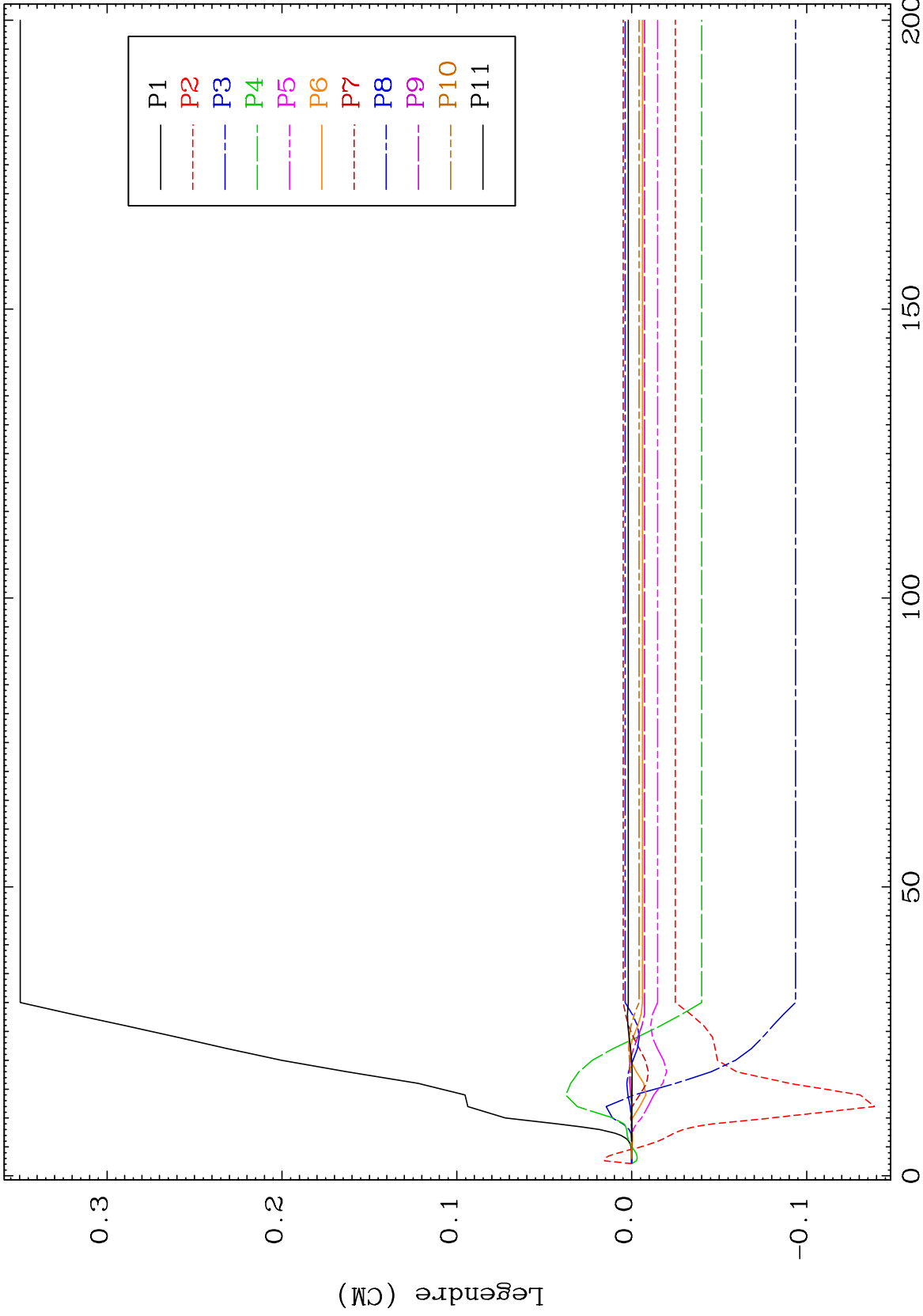
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



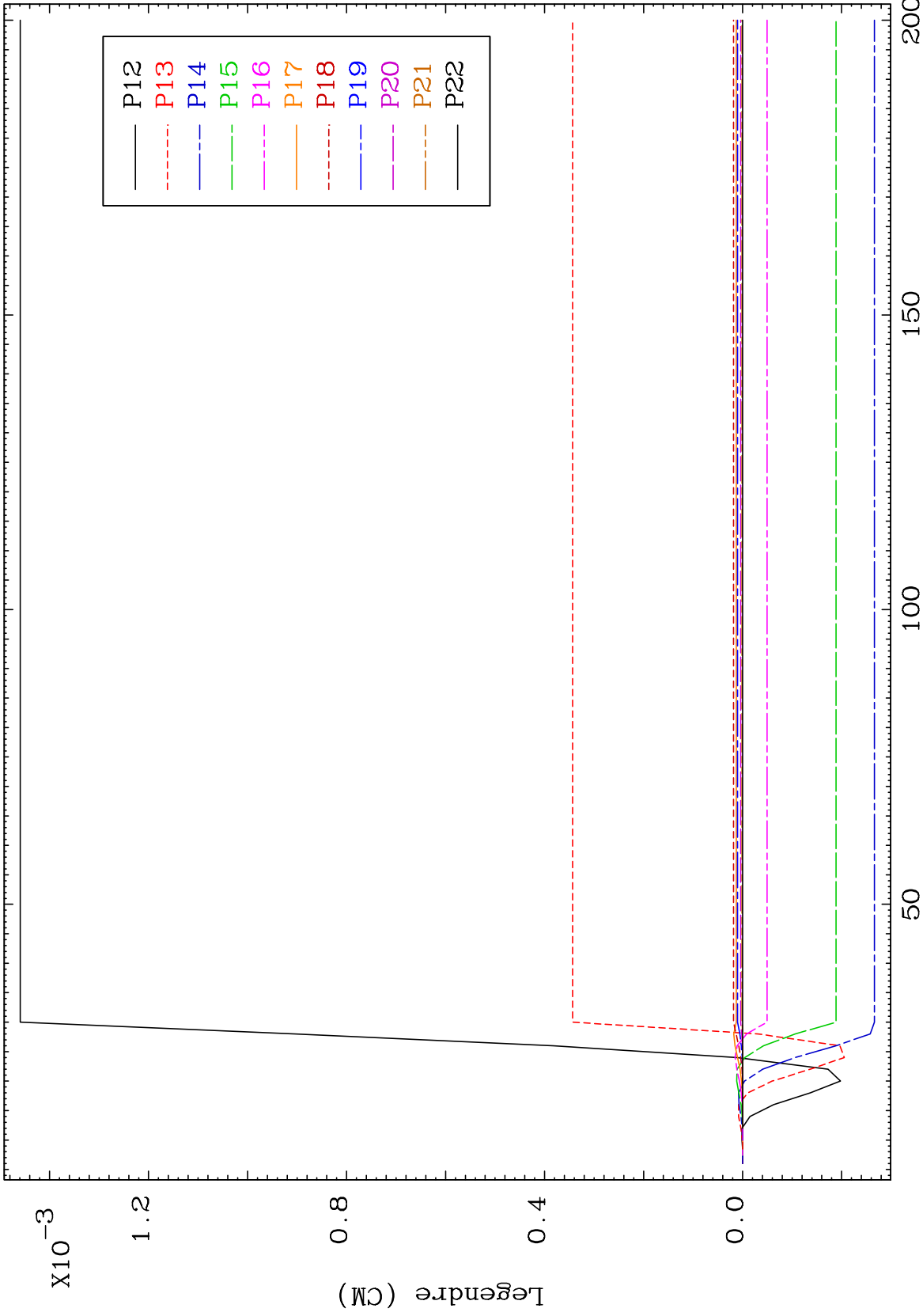
31-Ga-75

Incident Energy (MeV)

MAT 3143

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

31-Ga-75



91

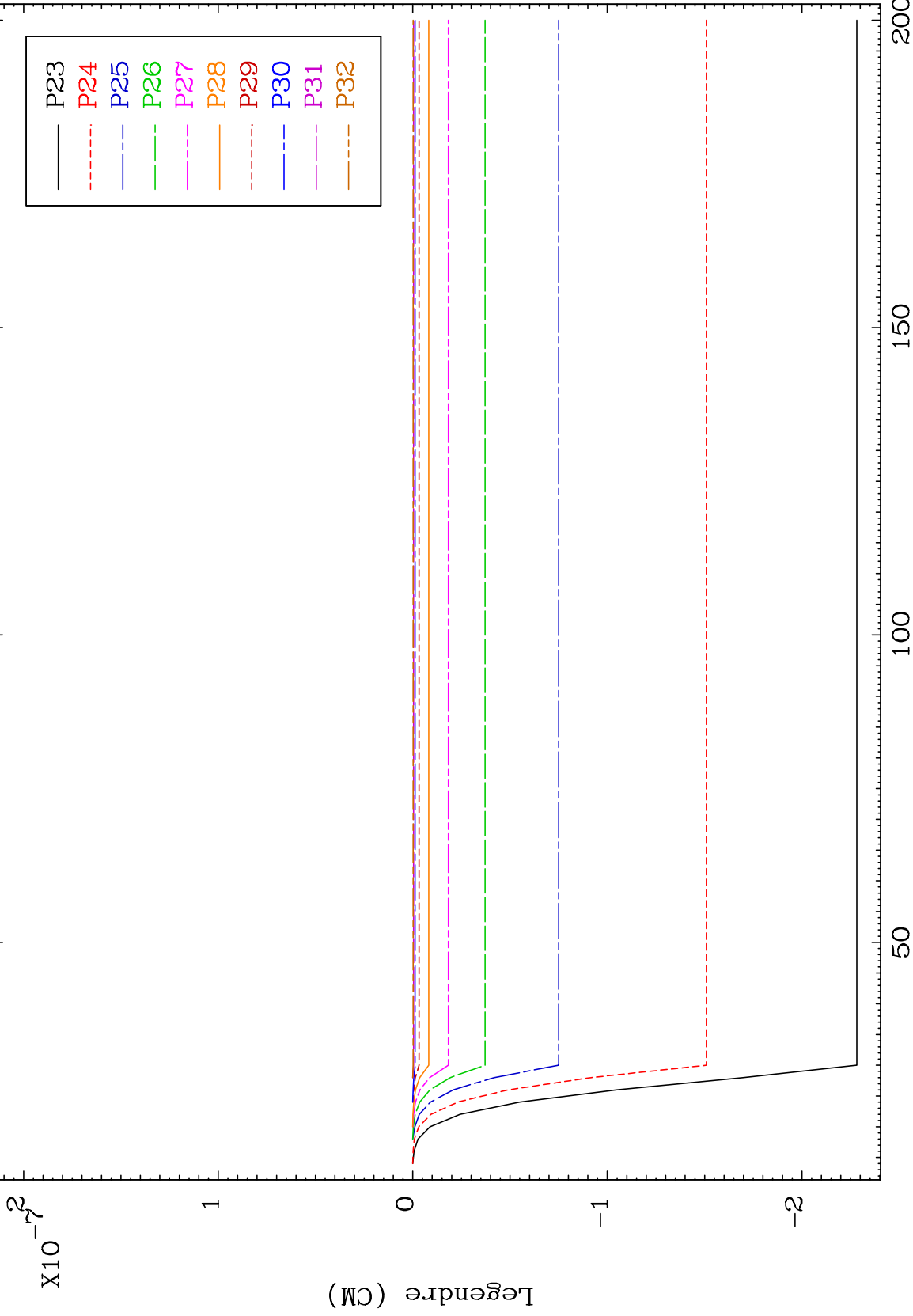
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

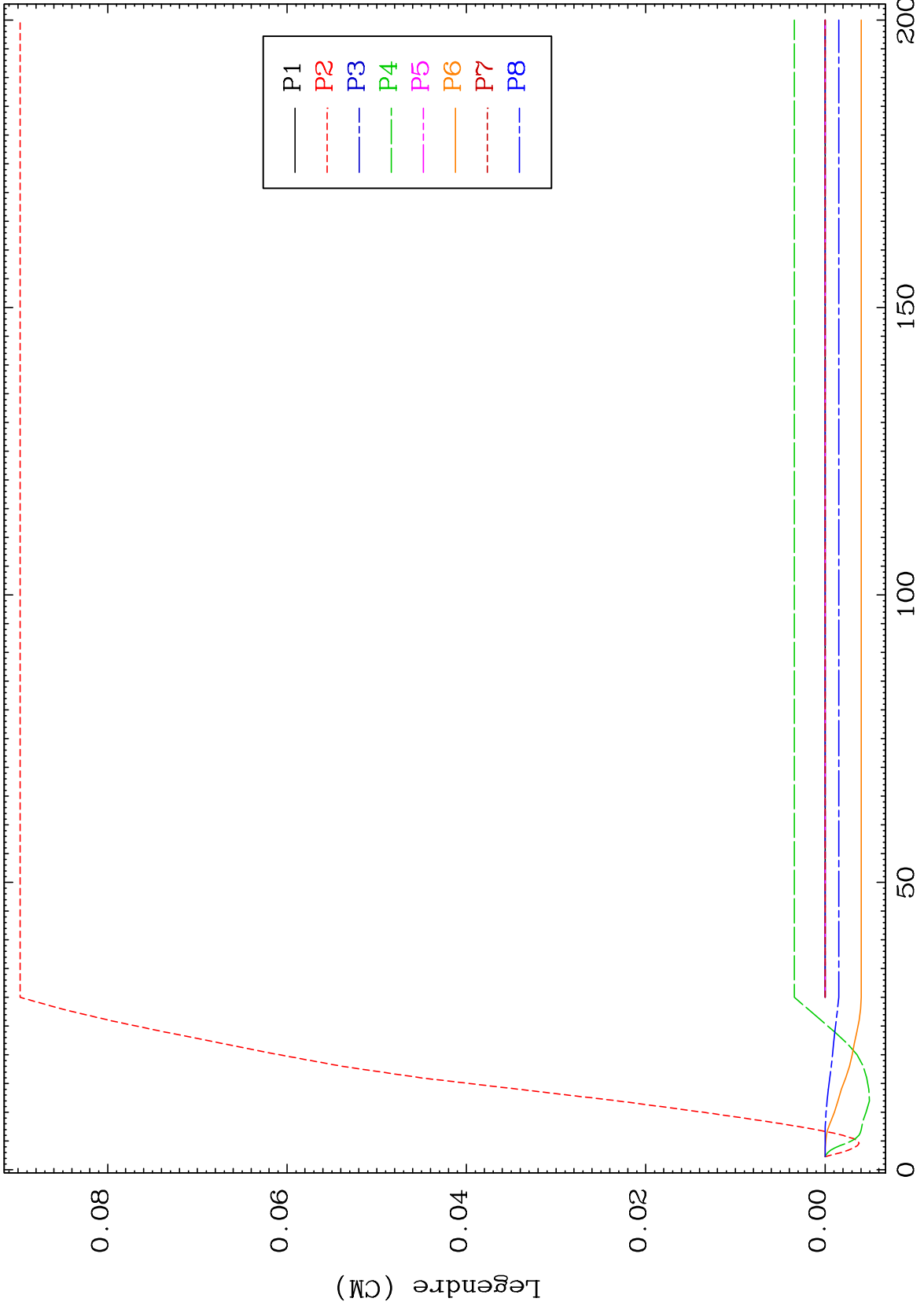
31-Ga-75



92

31-Ga-75

MAT 3143 MT= 72 (n,n') Level Legendre Coefficients 31-Ga-75

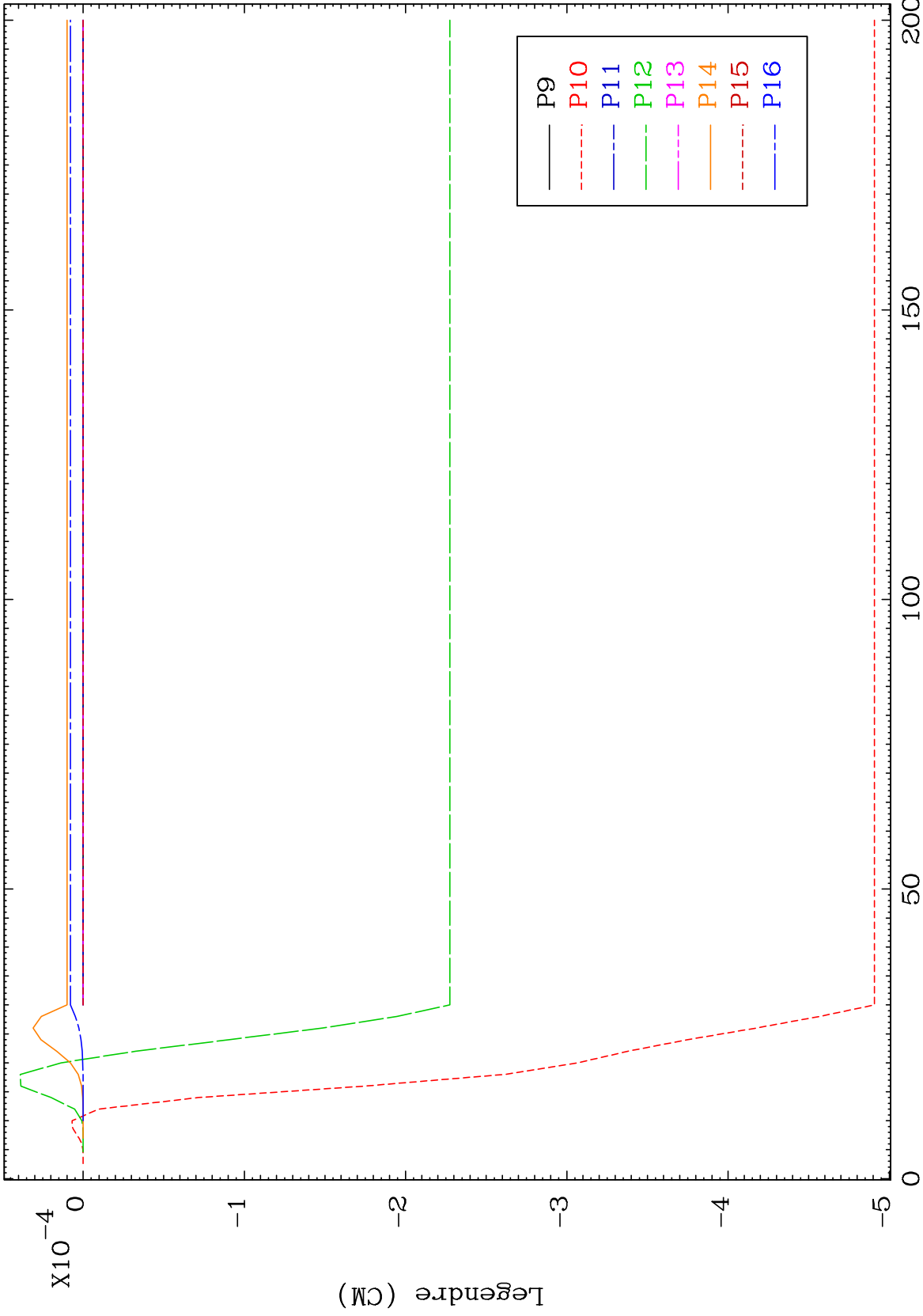


93 31-Ga-75

MAT 3143

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

31-Ga-75

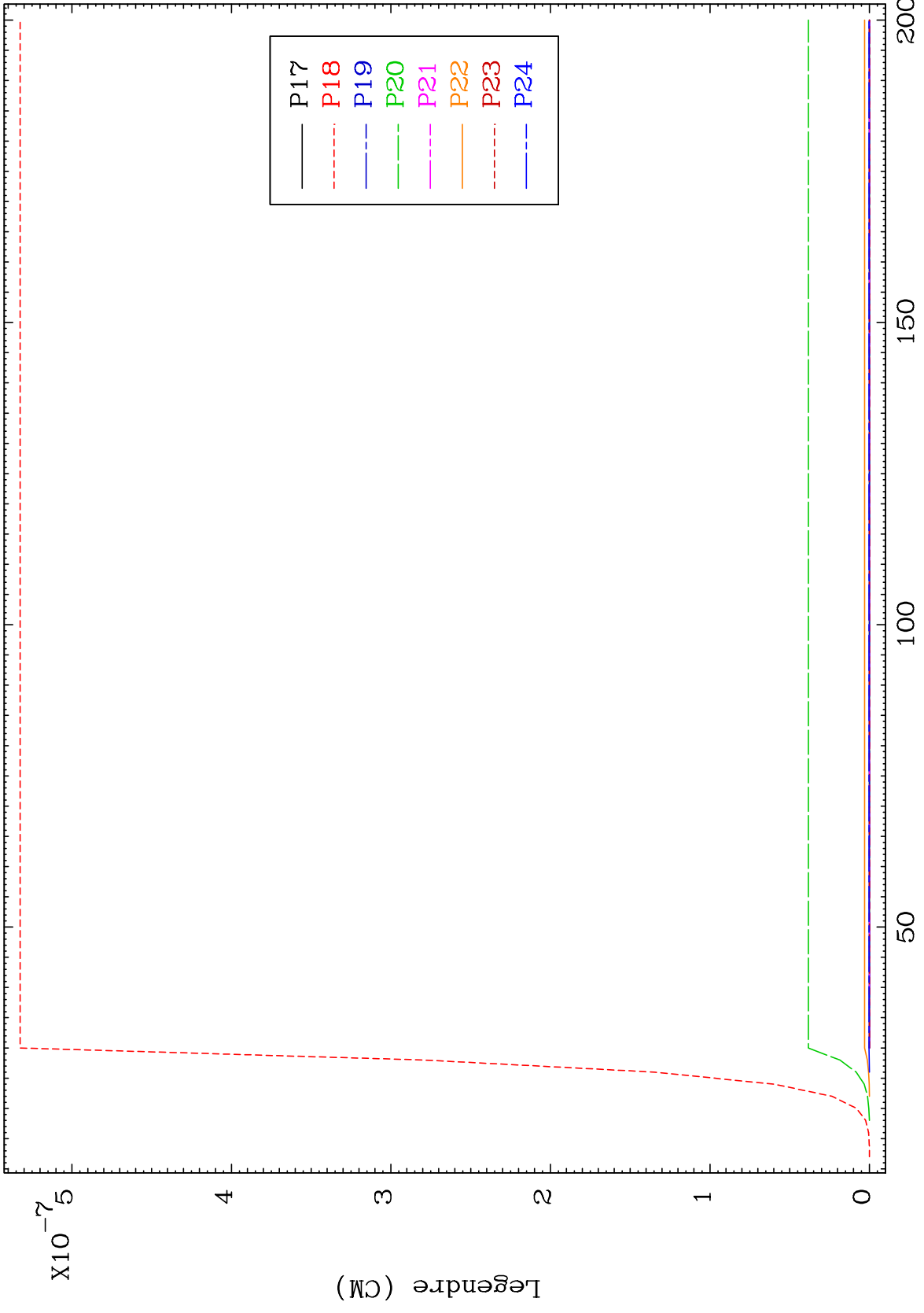


94

Incident Energy (MeV)

31-Ga-75

MAT 3143 MT= 72 (n,n') Level Legendre Coefficients 31-Ga-75

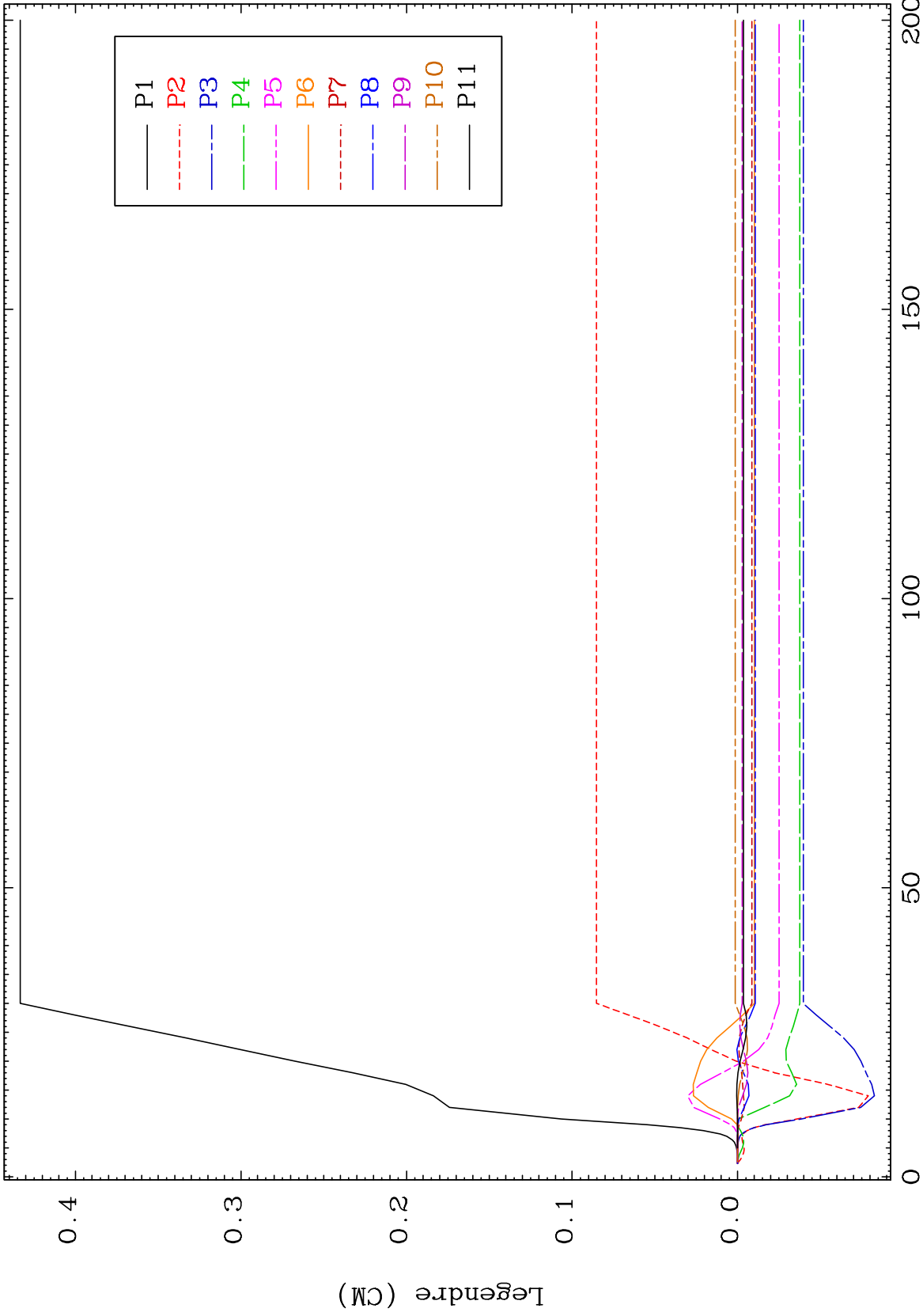


95 50 100 150 200 31-Ga-75

MAT 3143

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

31-Ga-75



96

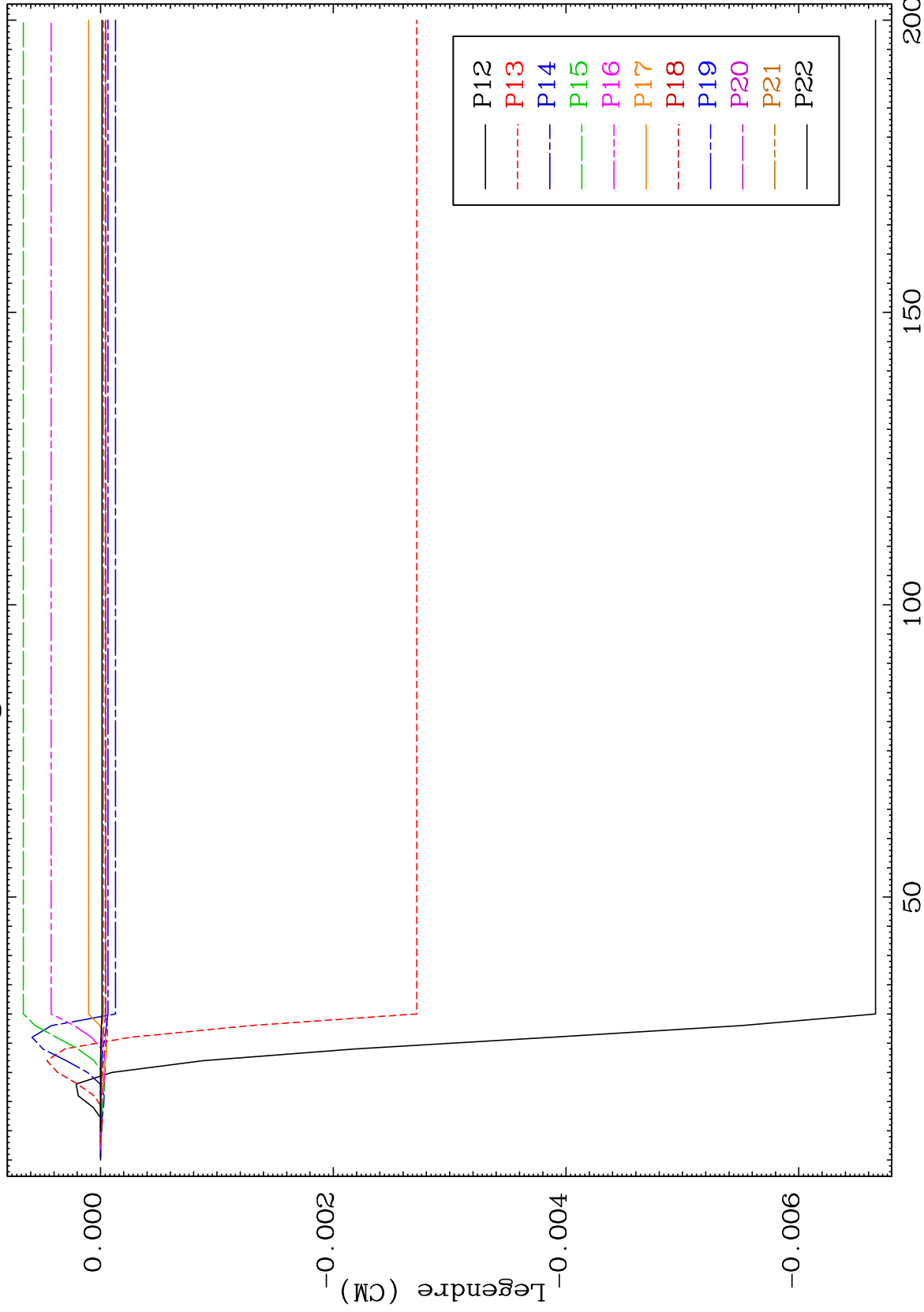
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



97

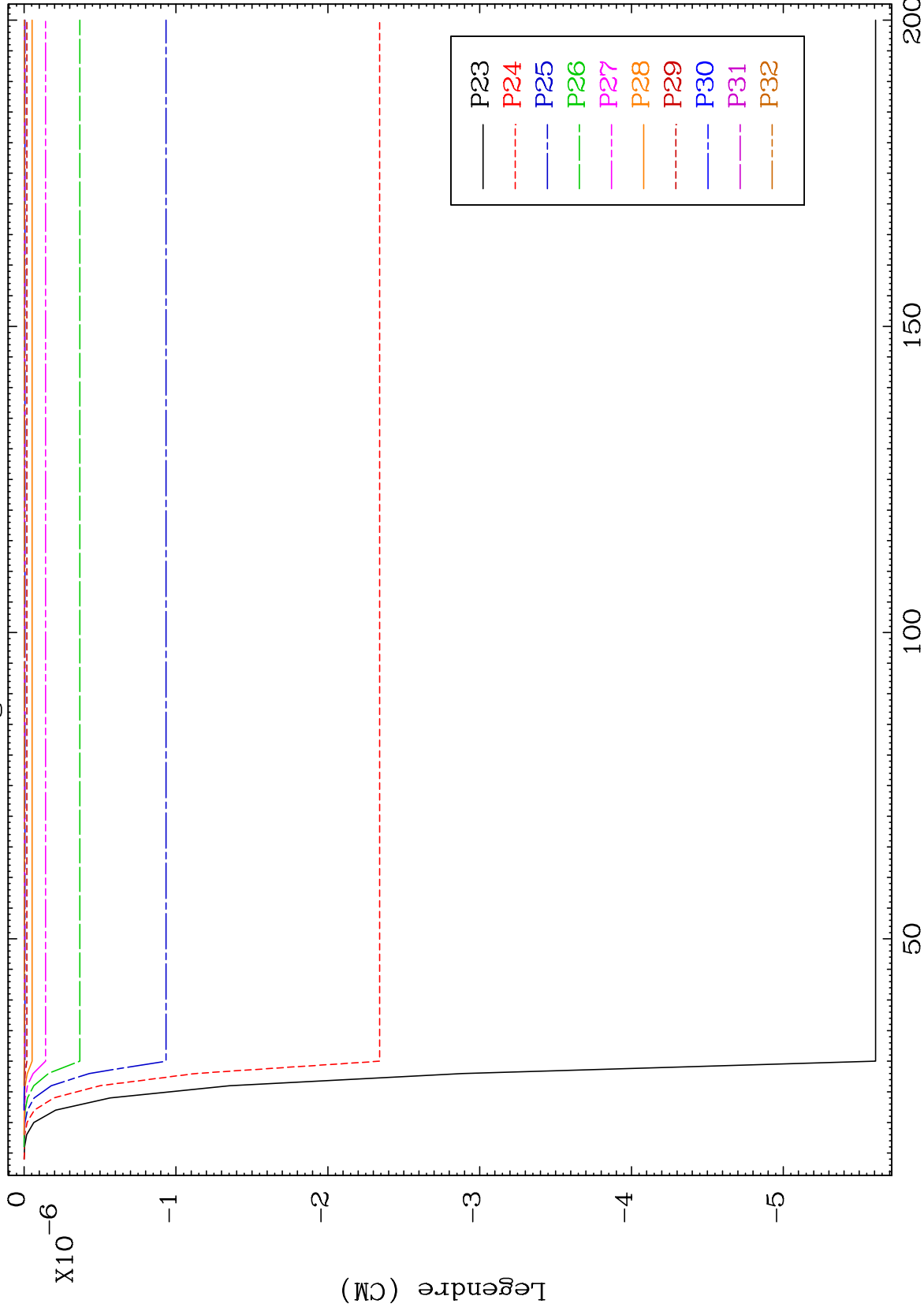
Incident Energy (MeV)

31-Ga-75

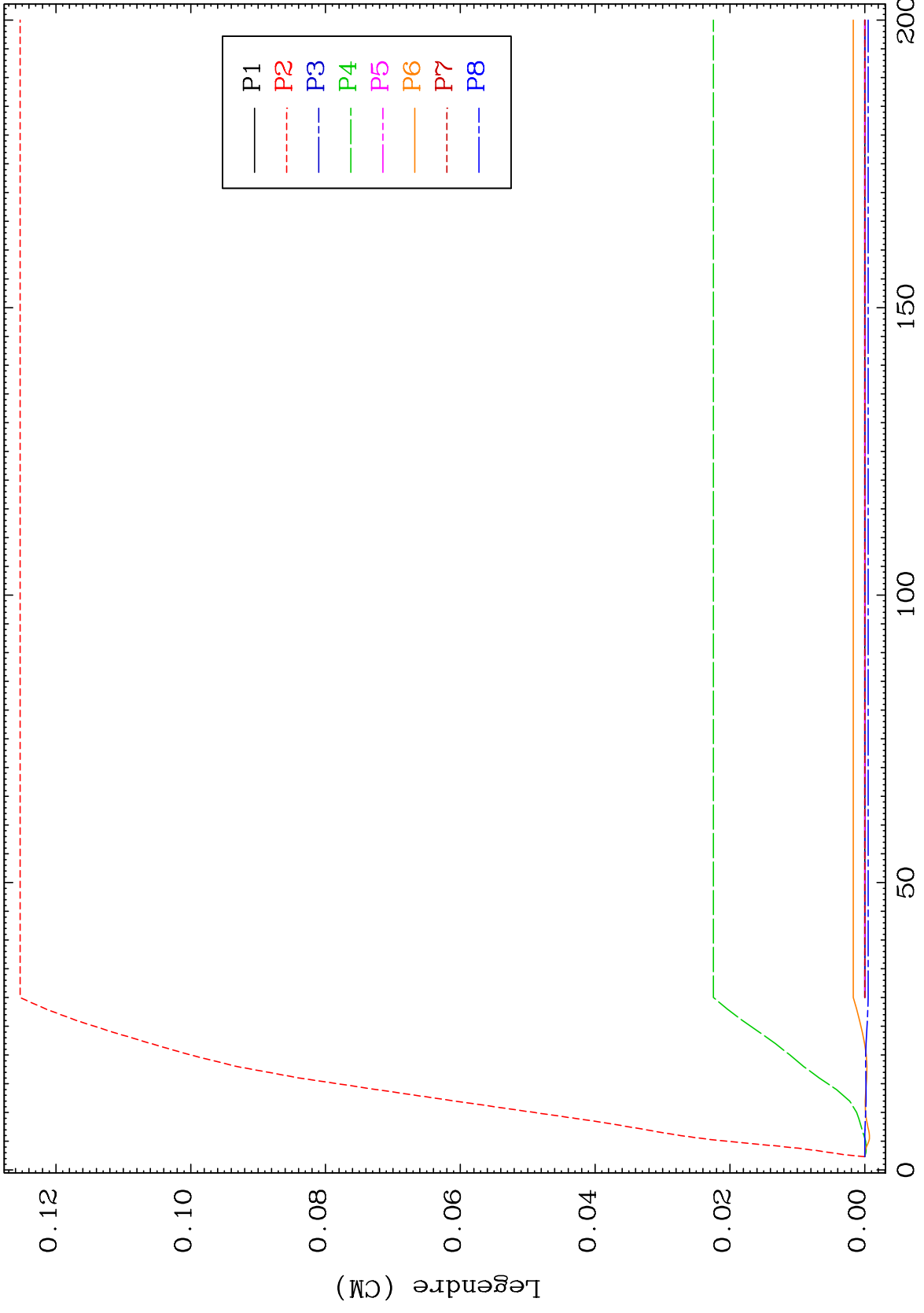
MAT 3143

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

31-Ga-75



MAT 3143 MT= 74 (n,n') Level Legendre Coefficients 31-Ga-75

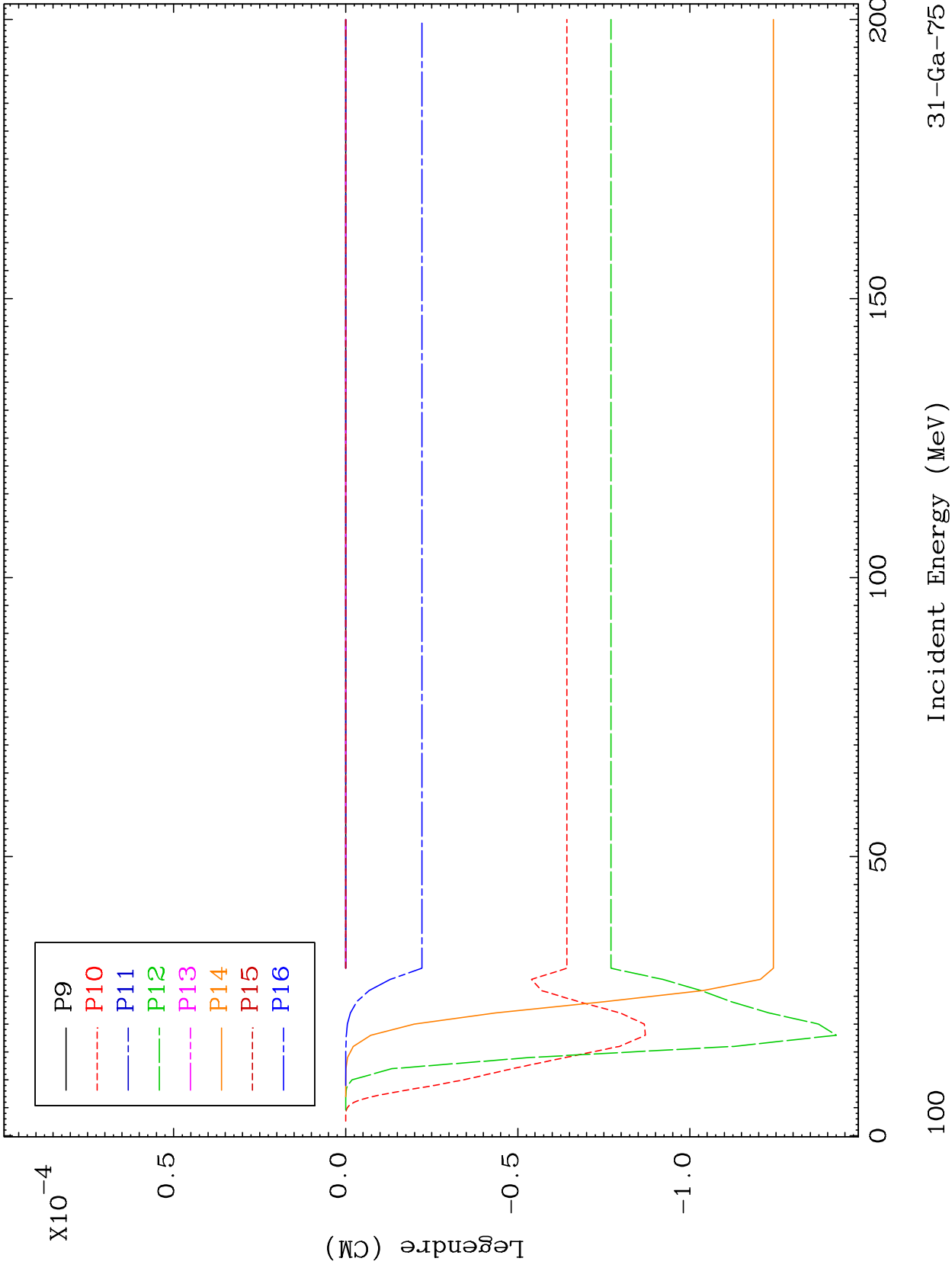


99 Incident Energy (MeV) 31-Ga-75

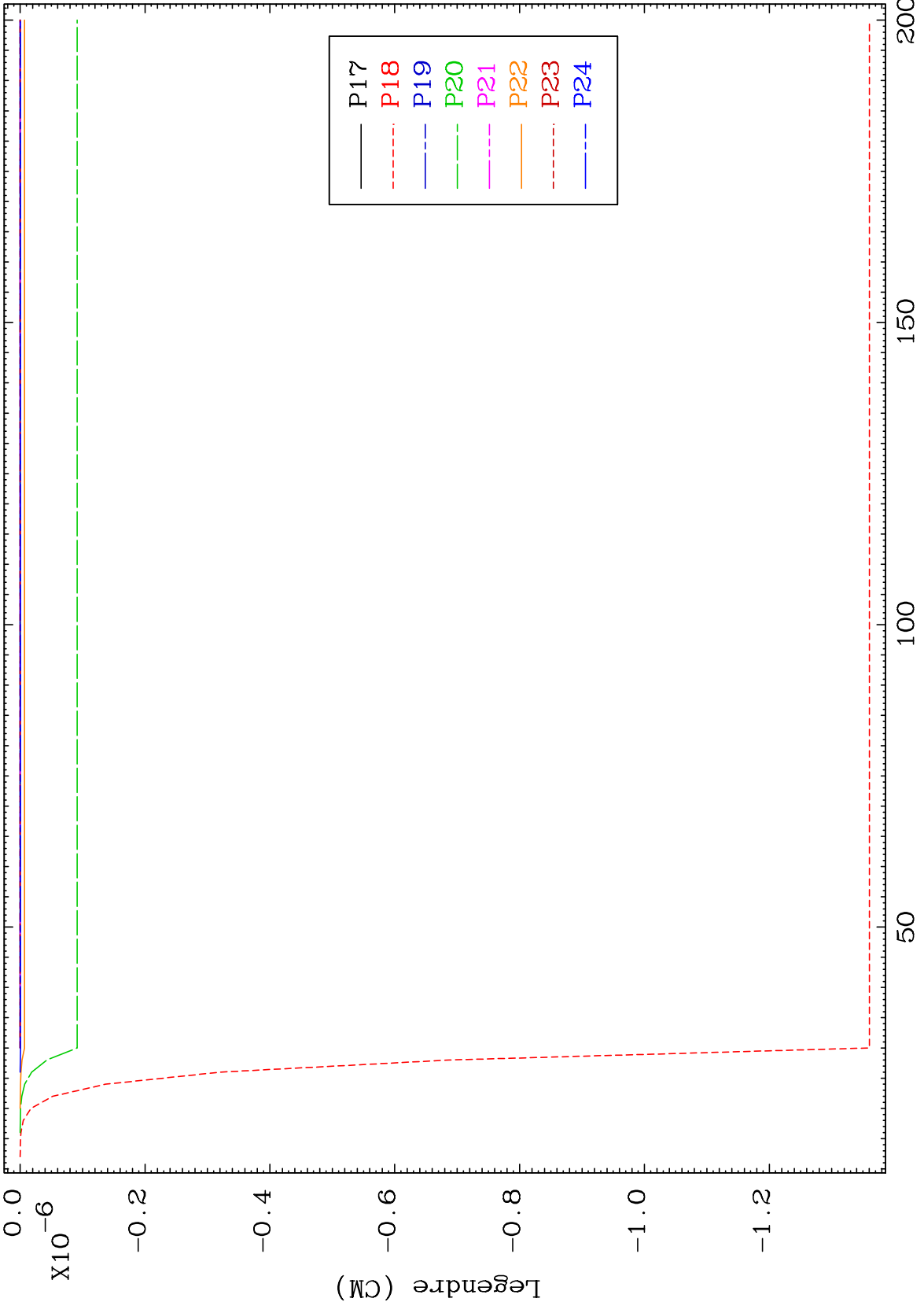
MAT 3143

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

31-Ga-75



MAT 3143 MT= 74 (n,n') Level Legendre Coefficients 31-Ga-75

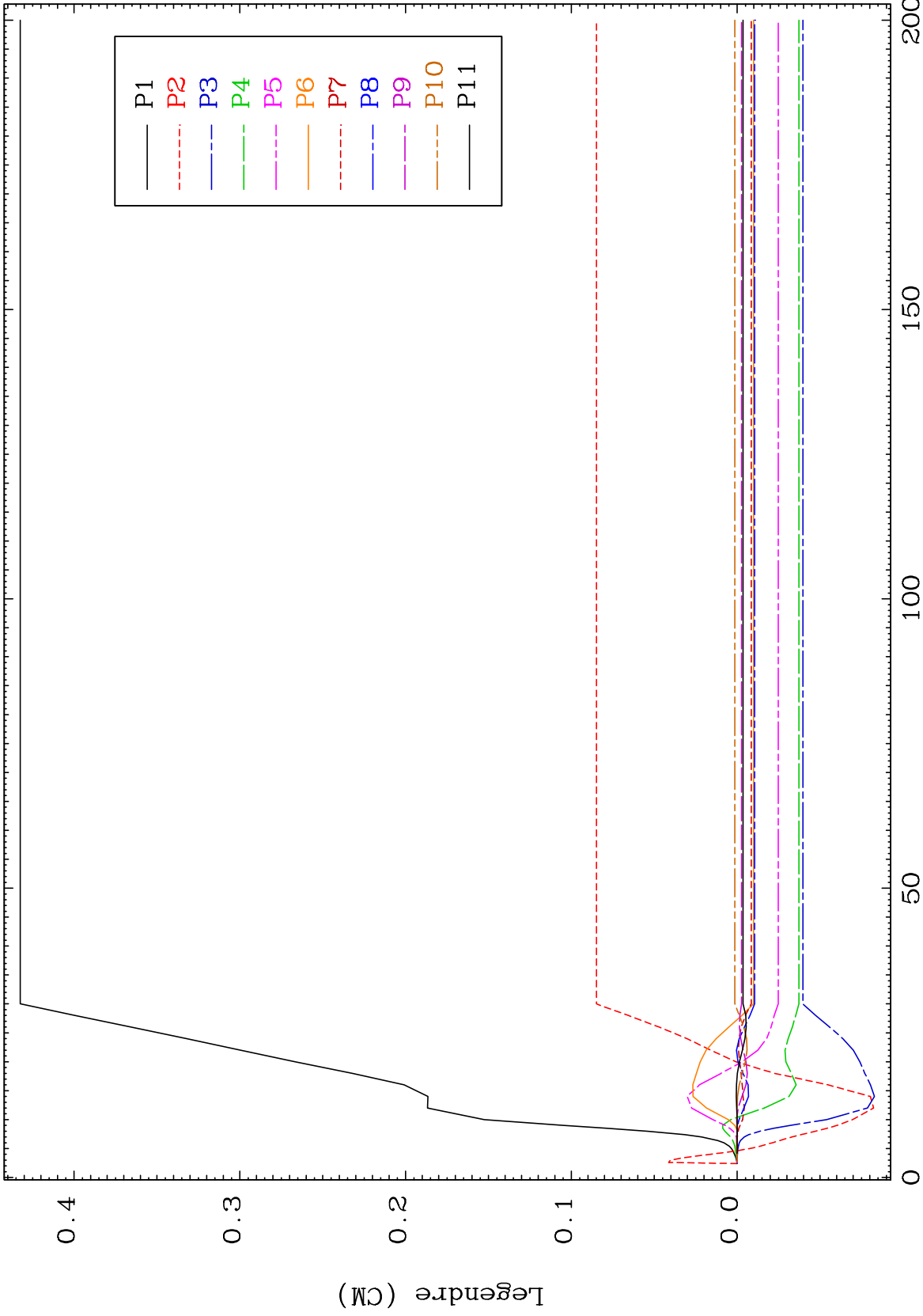


101 31-Ga-75

MAT 3143

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

31-Ga-75



102

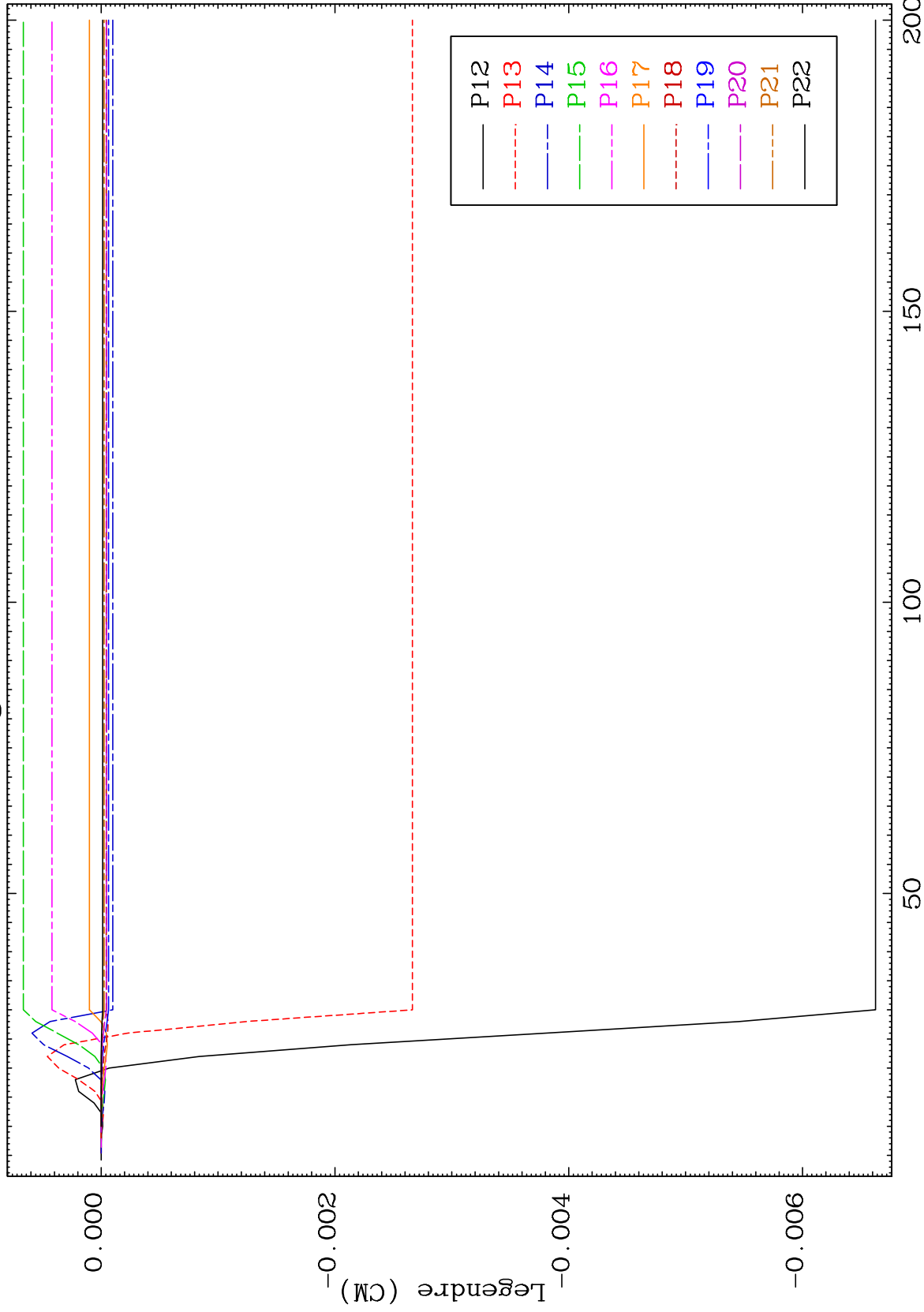
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75

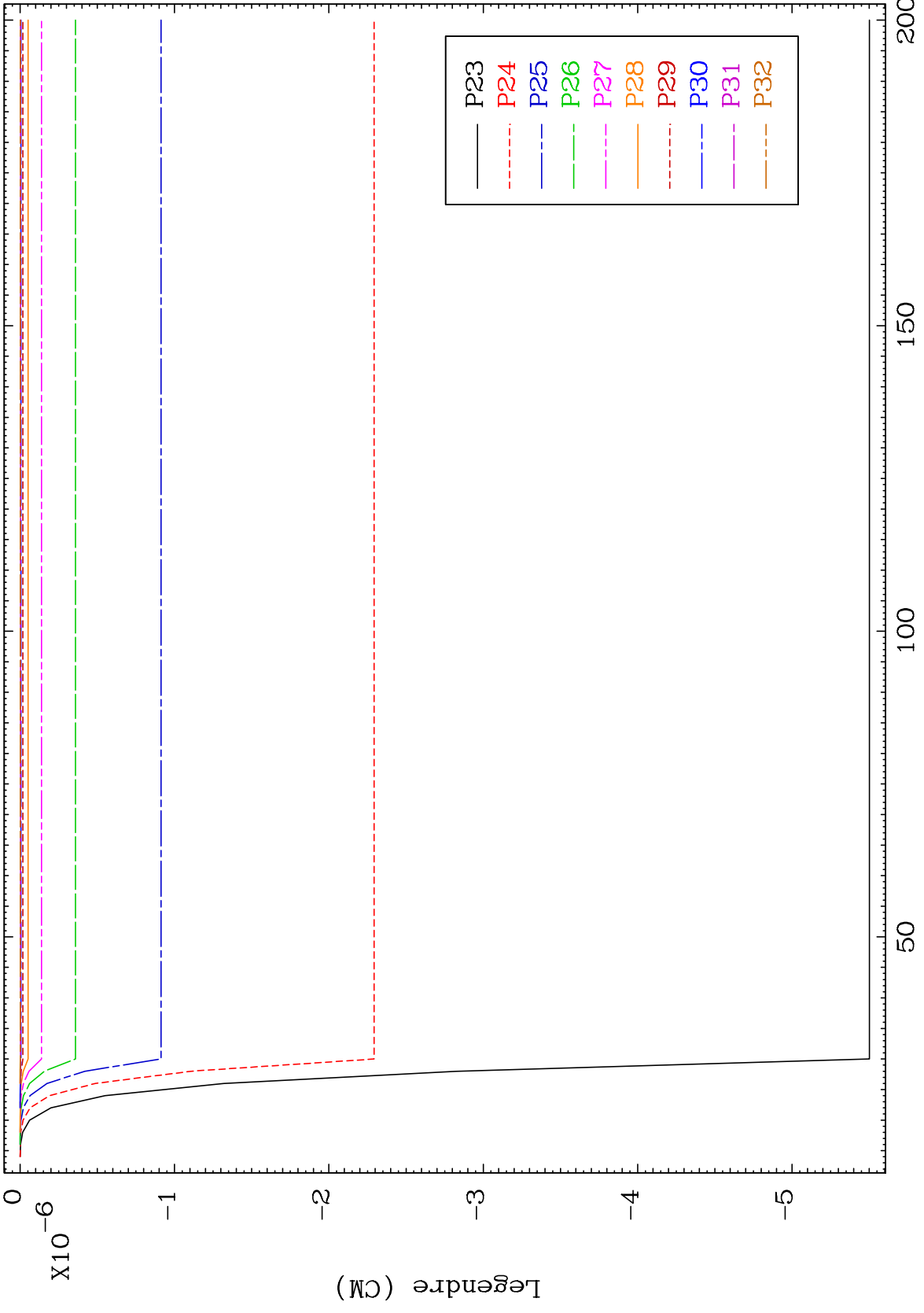


103

Incident Energy (MeV)

31-Ga-75

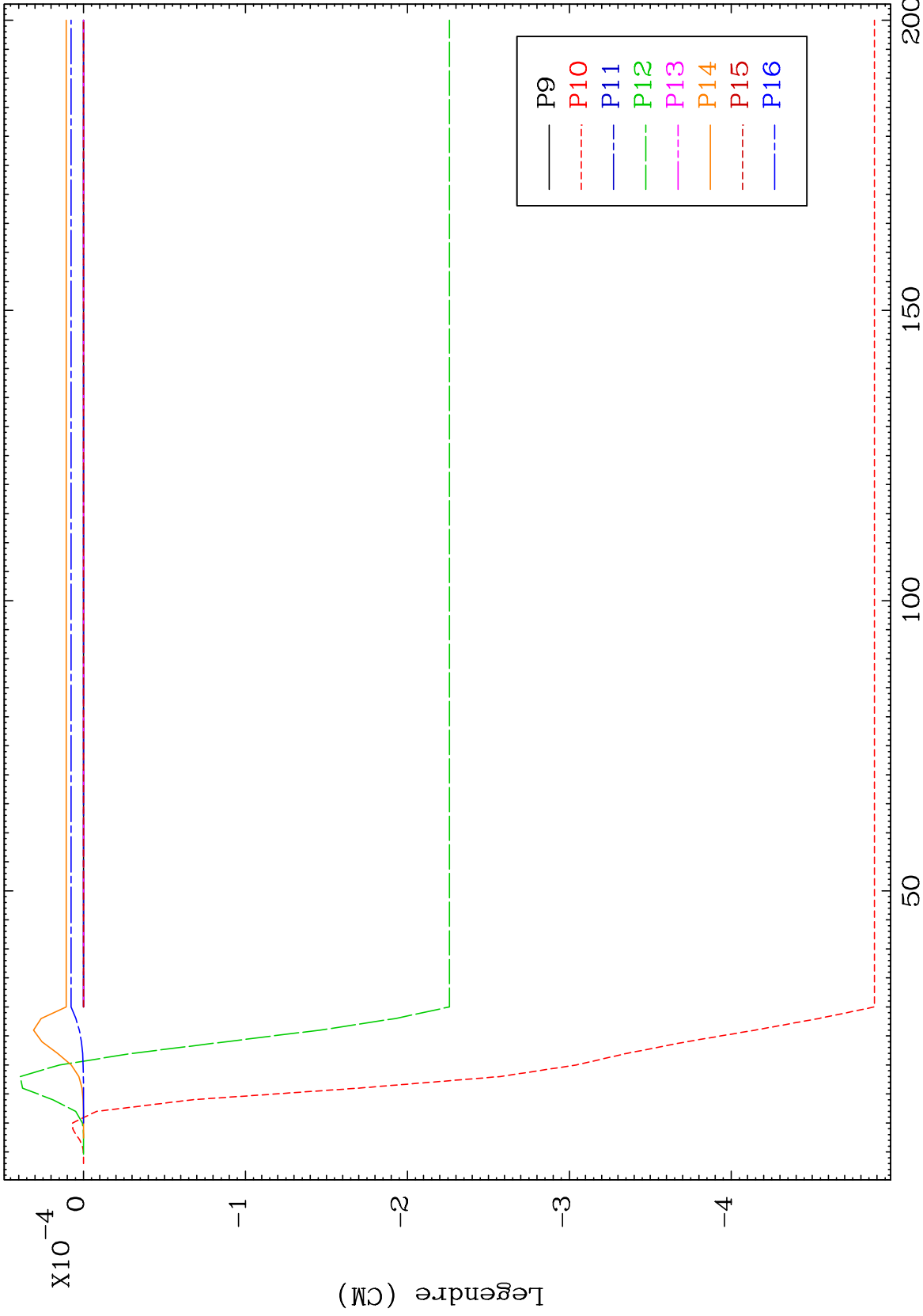
MAT 3143 MT= 75 (n,n') Level Legendre Coefficients 31-Ga-75



MAT 3143

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

31-Ga-75

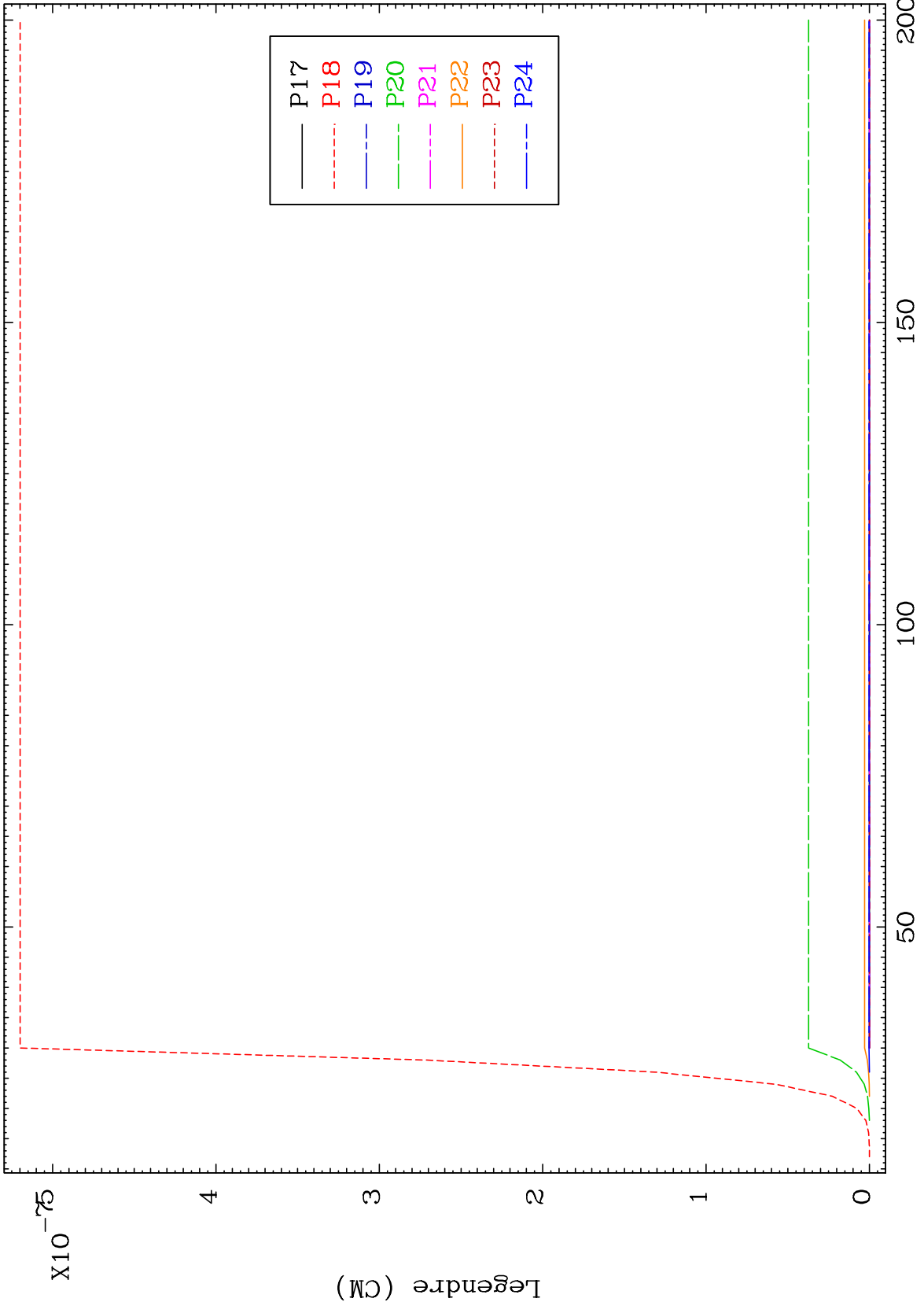


106

Incident Energy (MeV)

31-Ga-75

MAT 3143 MT= 76 (n,n') Level Legendre Coefficients 31-Ga-75

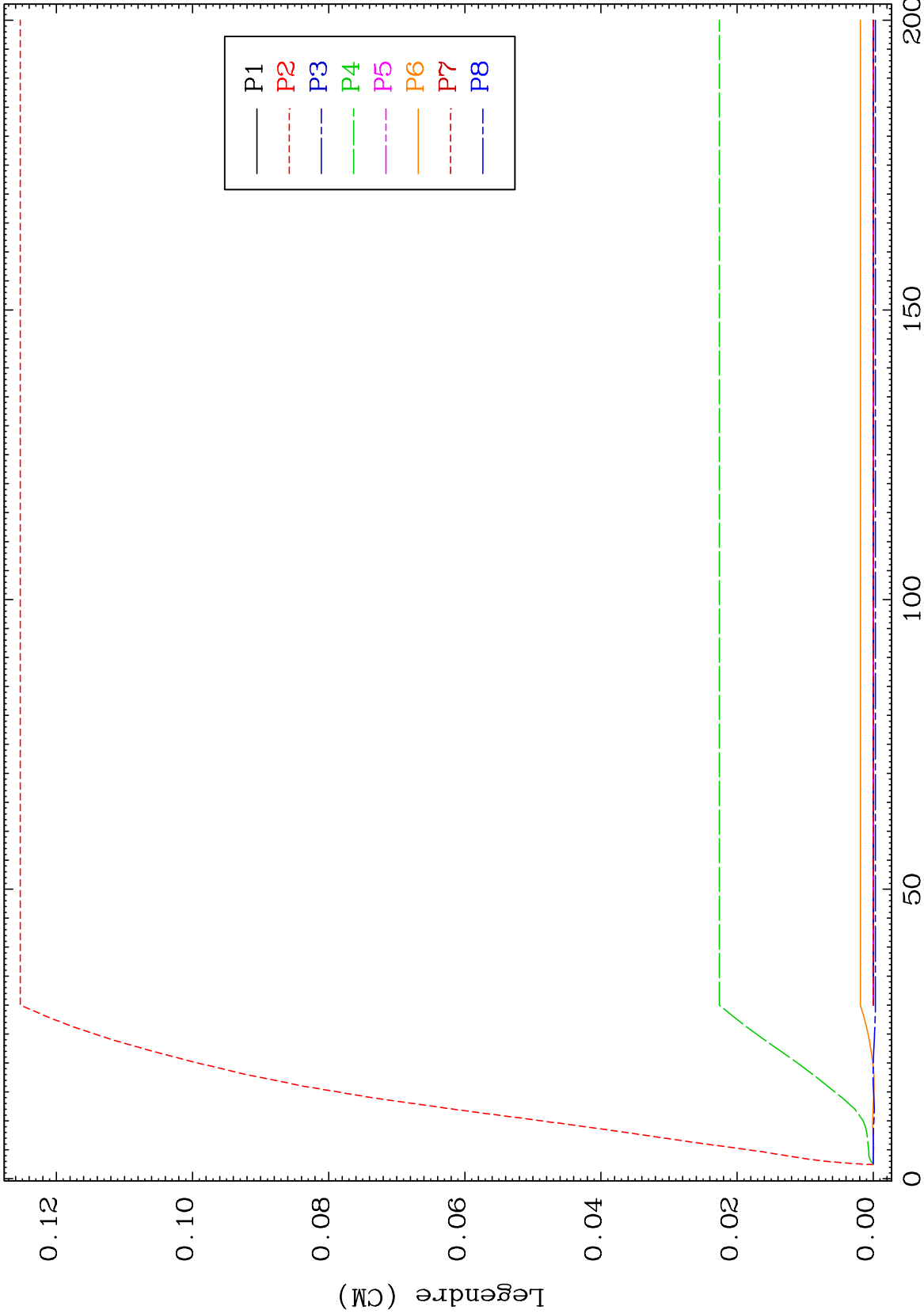


107 Incident Energy (MeV) 31-Ga-75

MAT 3143

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

31-Ga-75



31-Ga-75

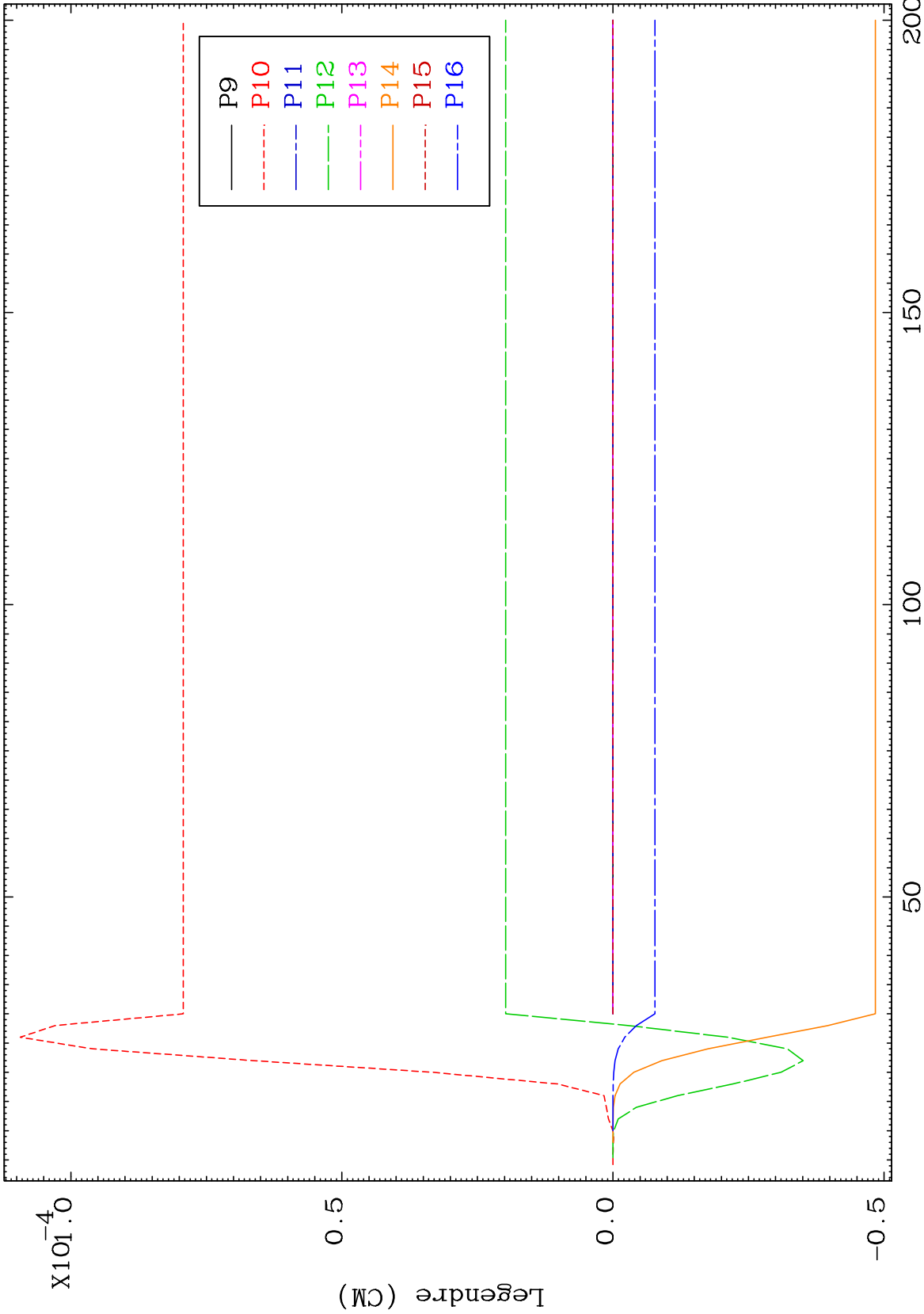
Incident Energy (MeV)

Legendre (CM)

MAT 3143

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

31-Ga-75



109

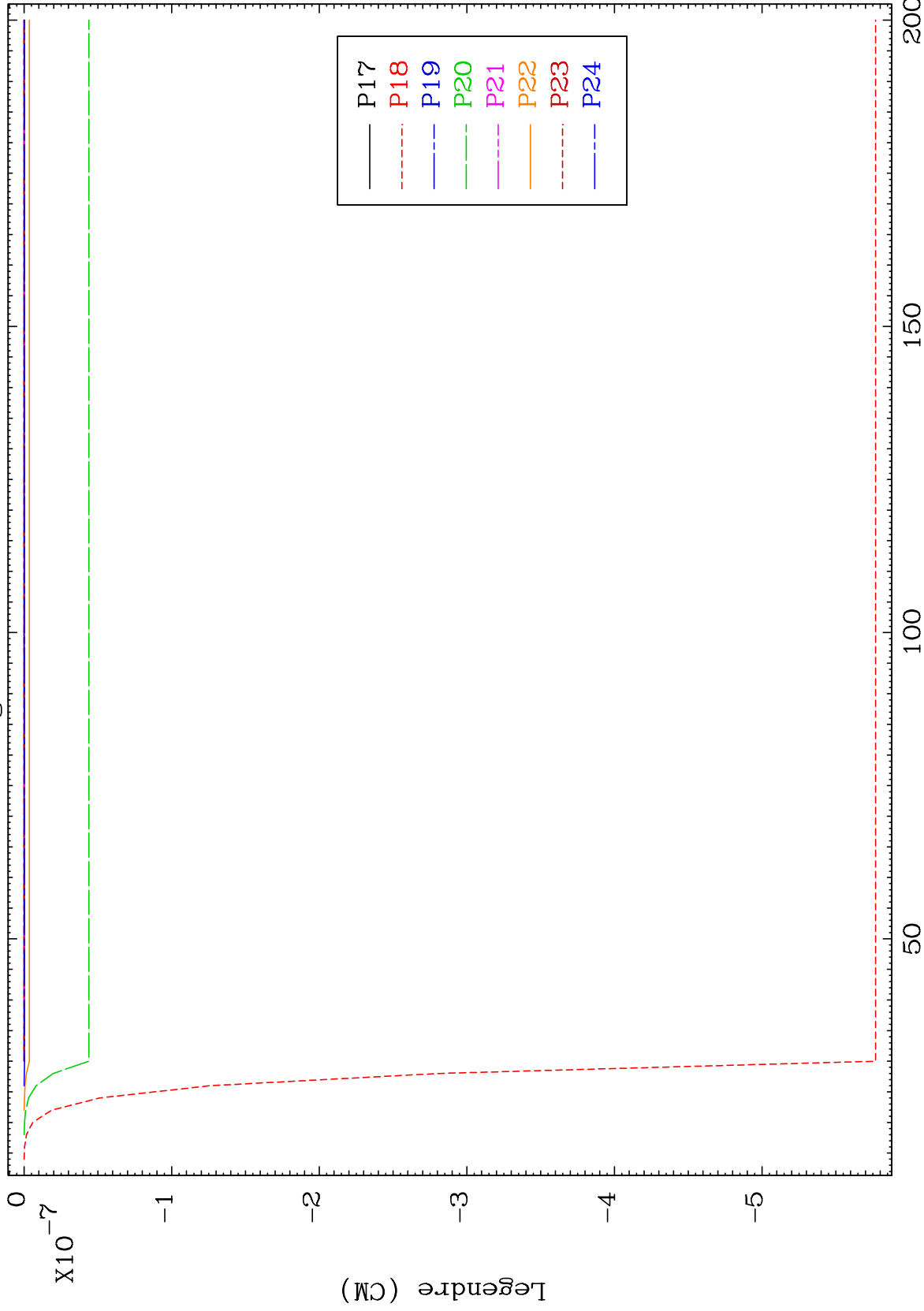
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75

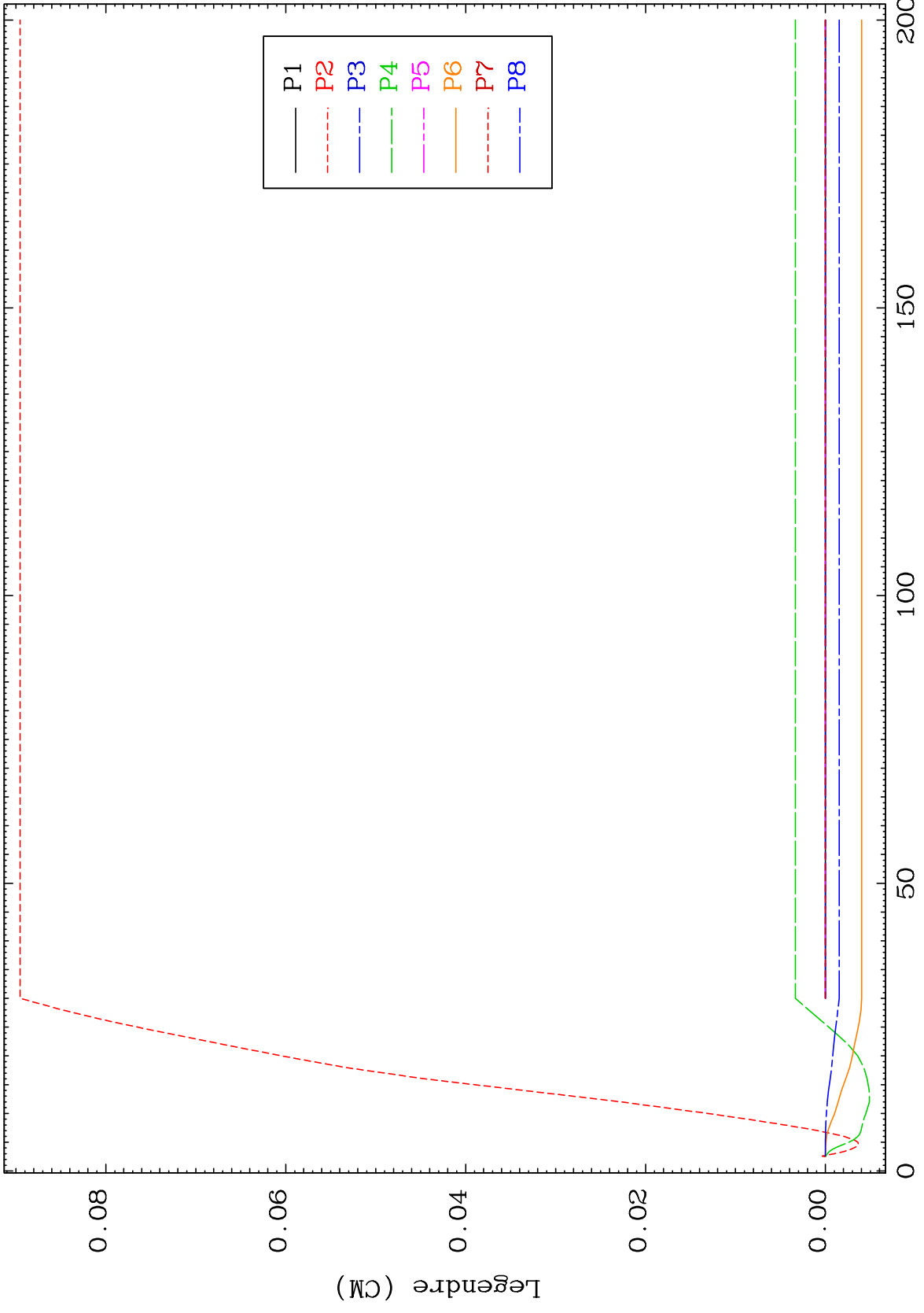


31-Ga-75

Incident Energy (MeV)

110

MAT 3143 MT= 78 (n,n') Level Legendre Coefficients 31-Ga-75

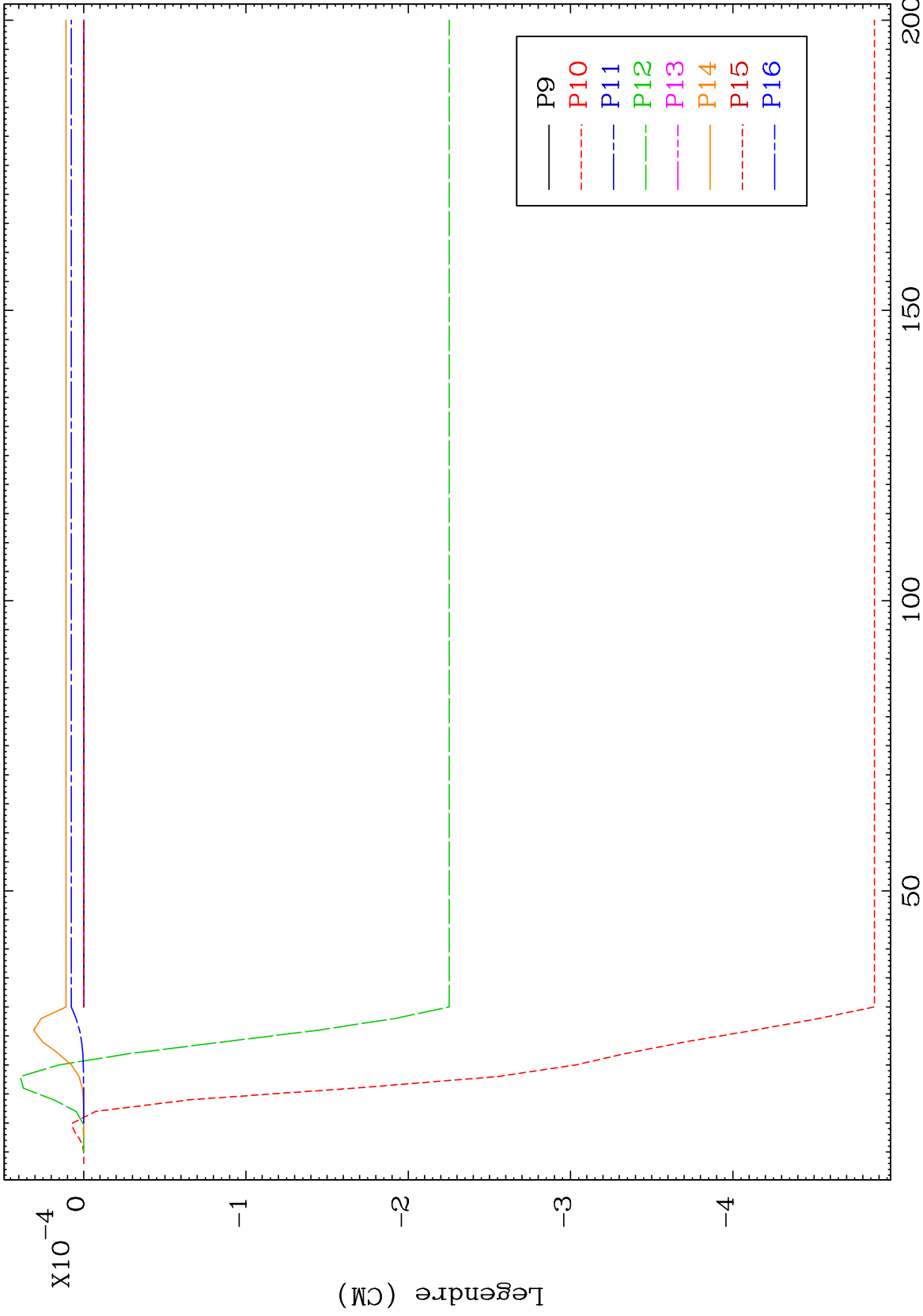


111 31-Ga-75

MAT 3143

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

31-Ga-75



112

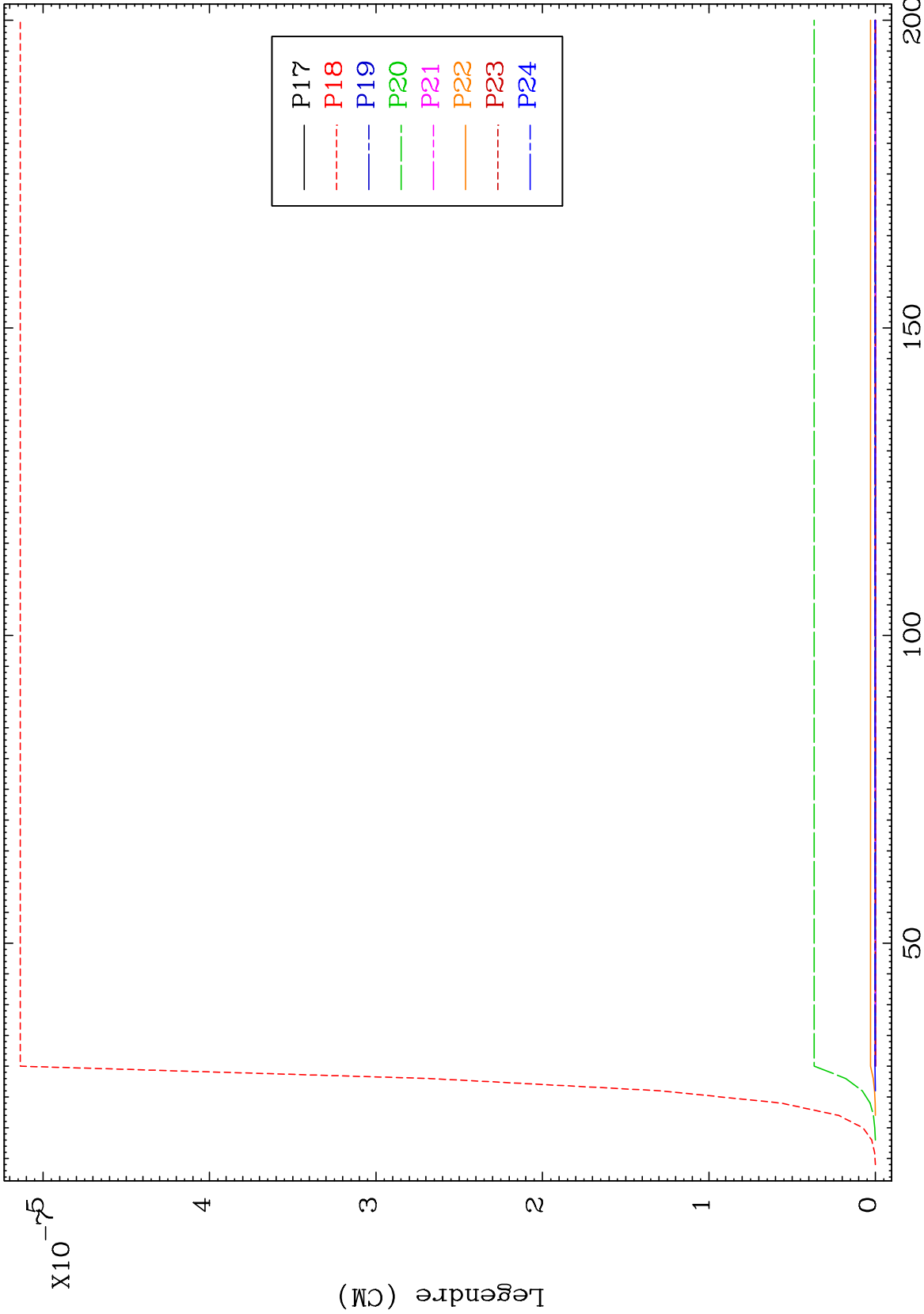
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



113

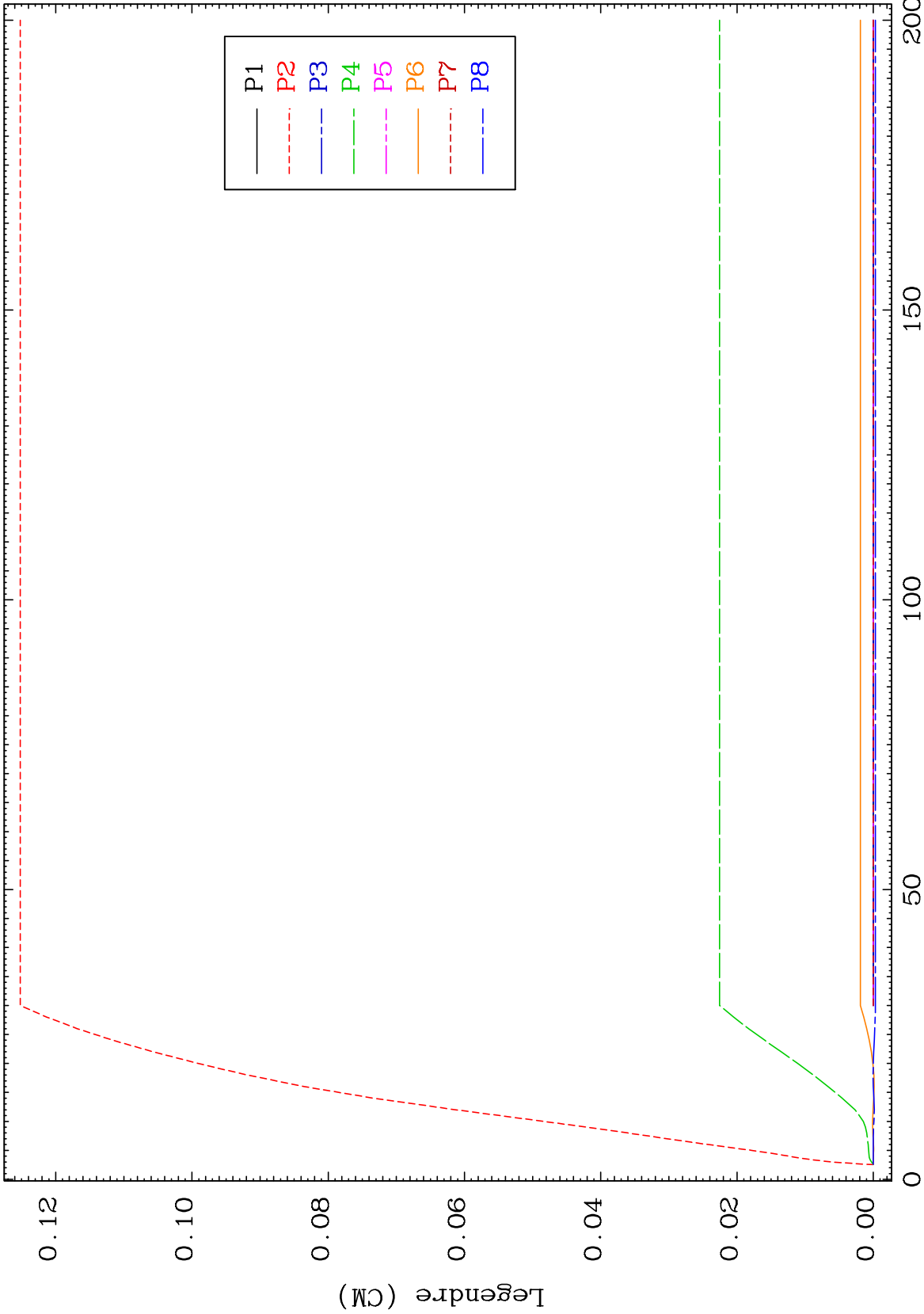
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



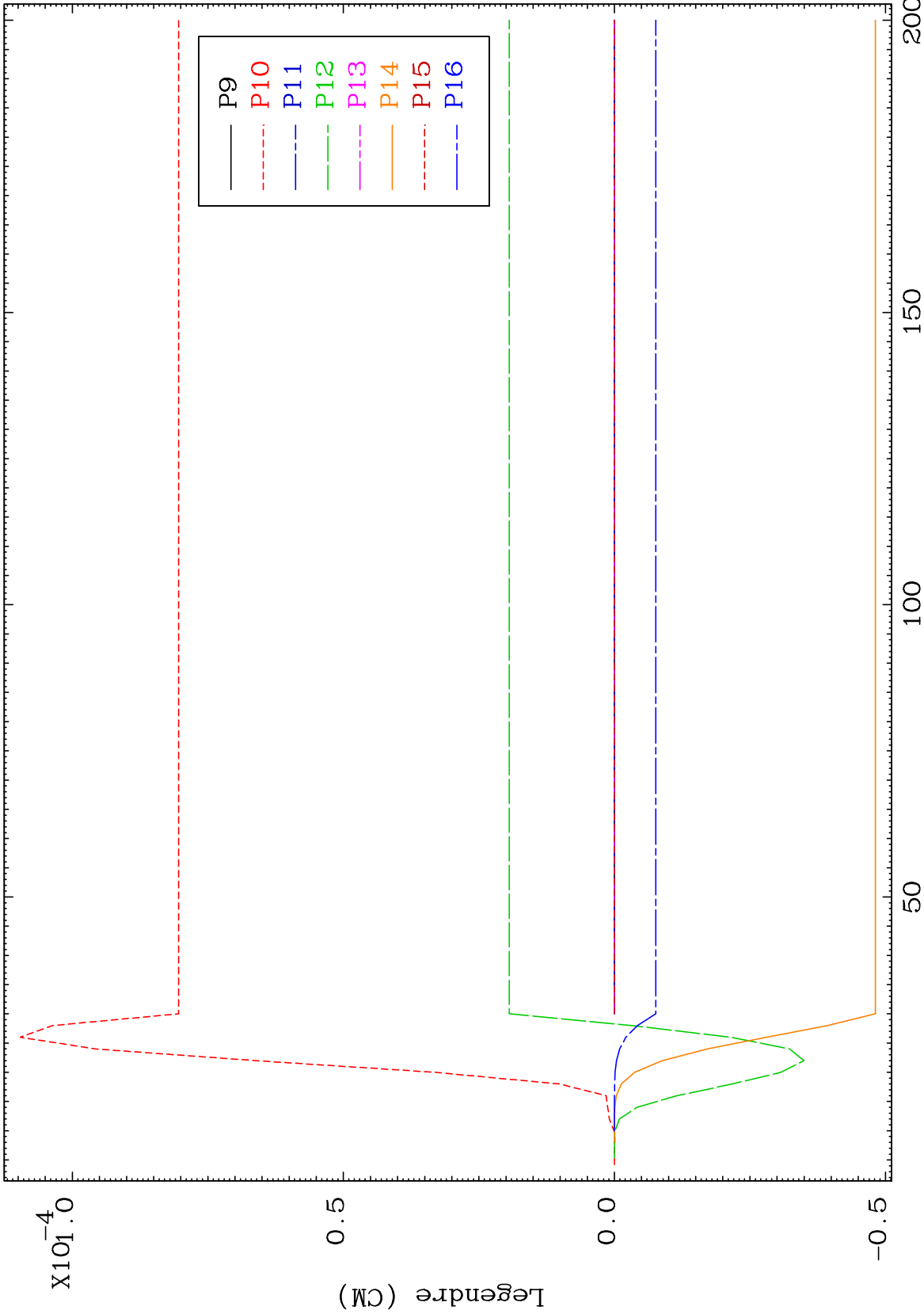
31-Ga-75

114

MAT 3143

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

31-Ga-75

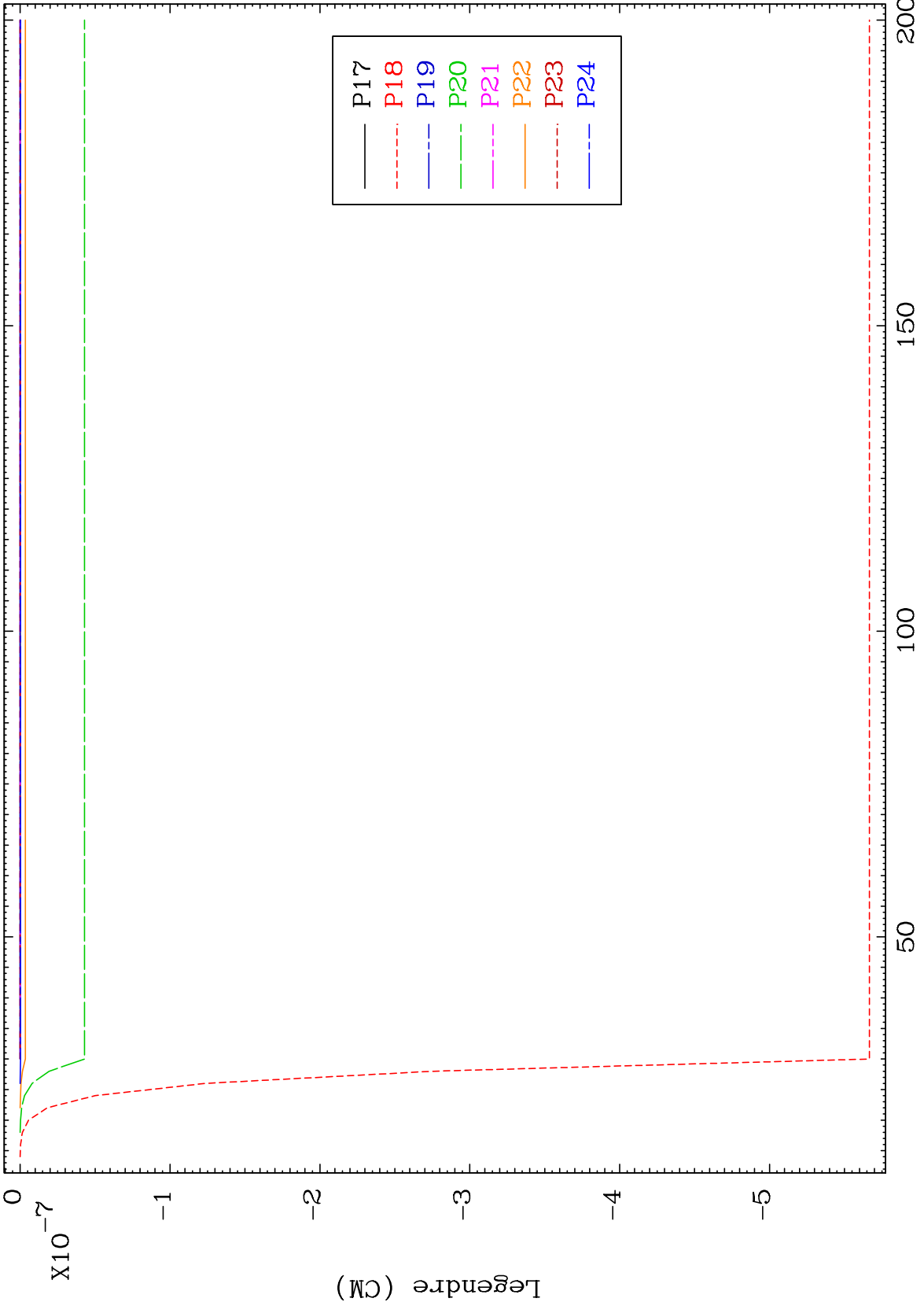


115

Incident Energy (MeV)

31-Ga-75

MAT 3143 MT= 79 (n,n') Level Legendre Coefficients 31-Ga-75

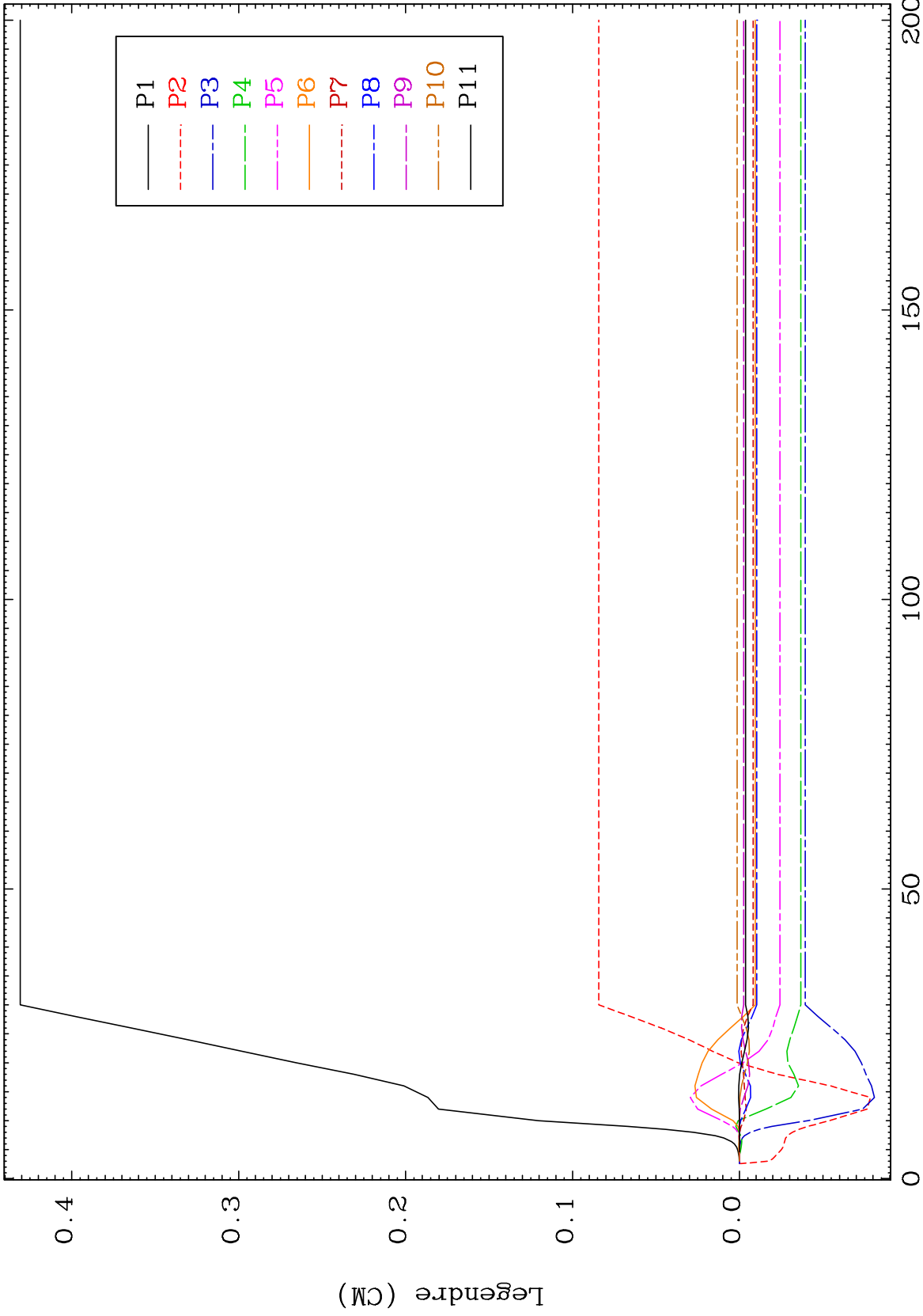


116 31-Ga-75

MAT 3143

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

31-Ga-75



117

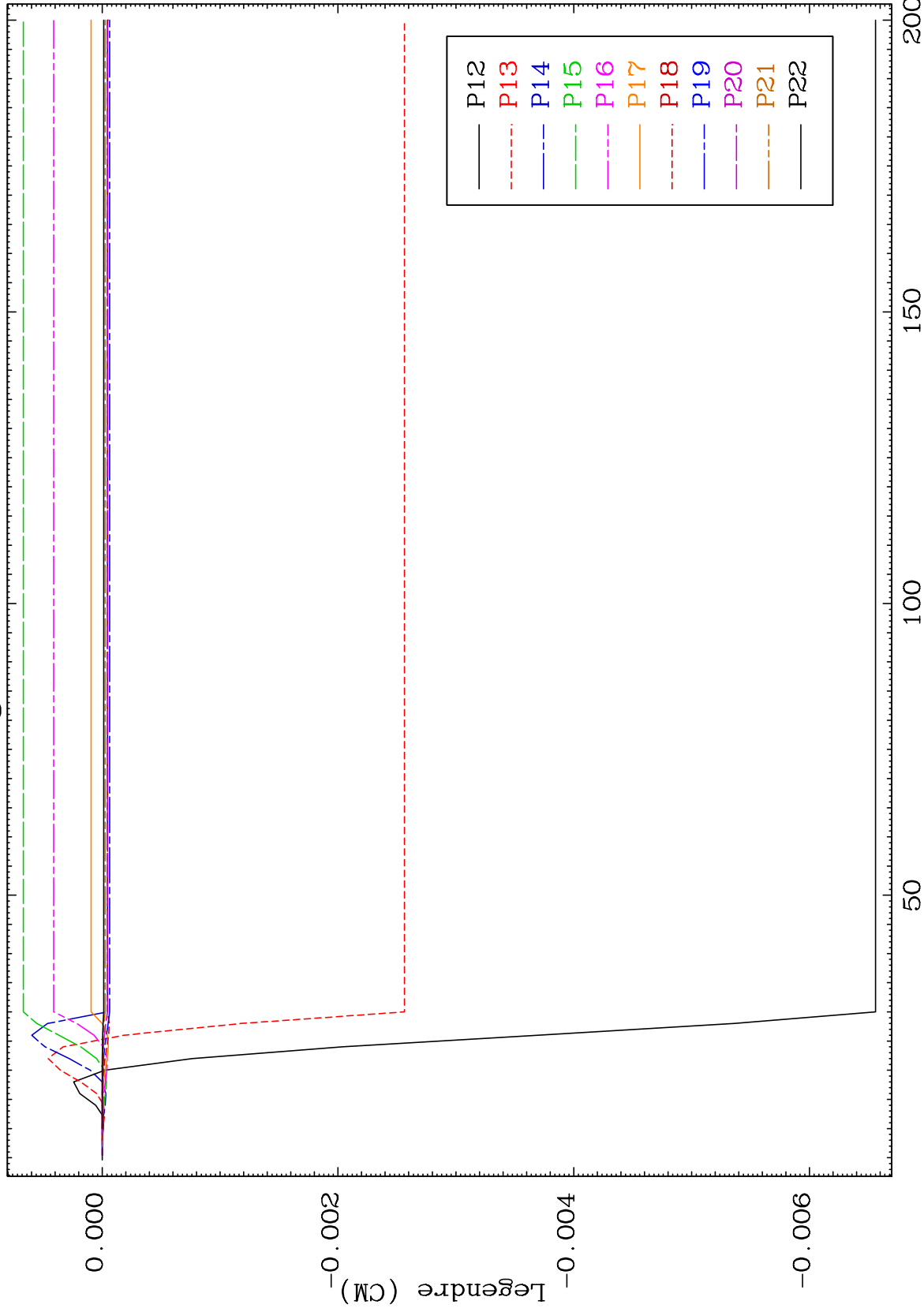
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

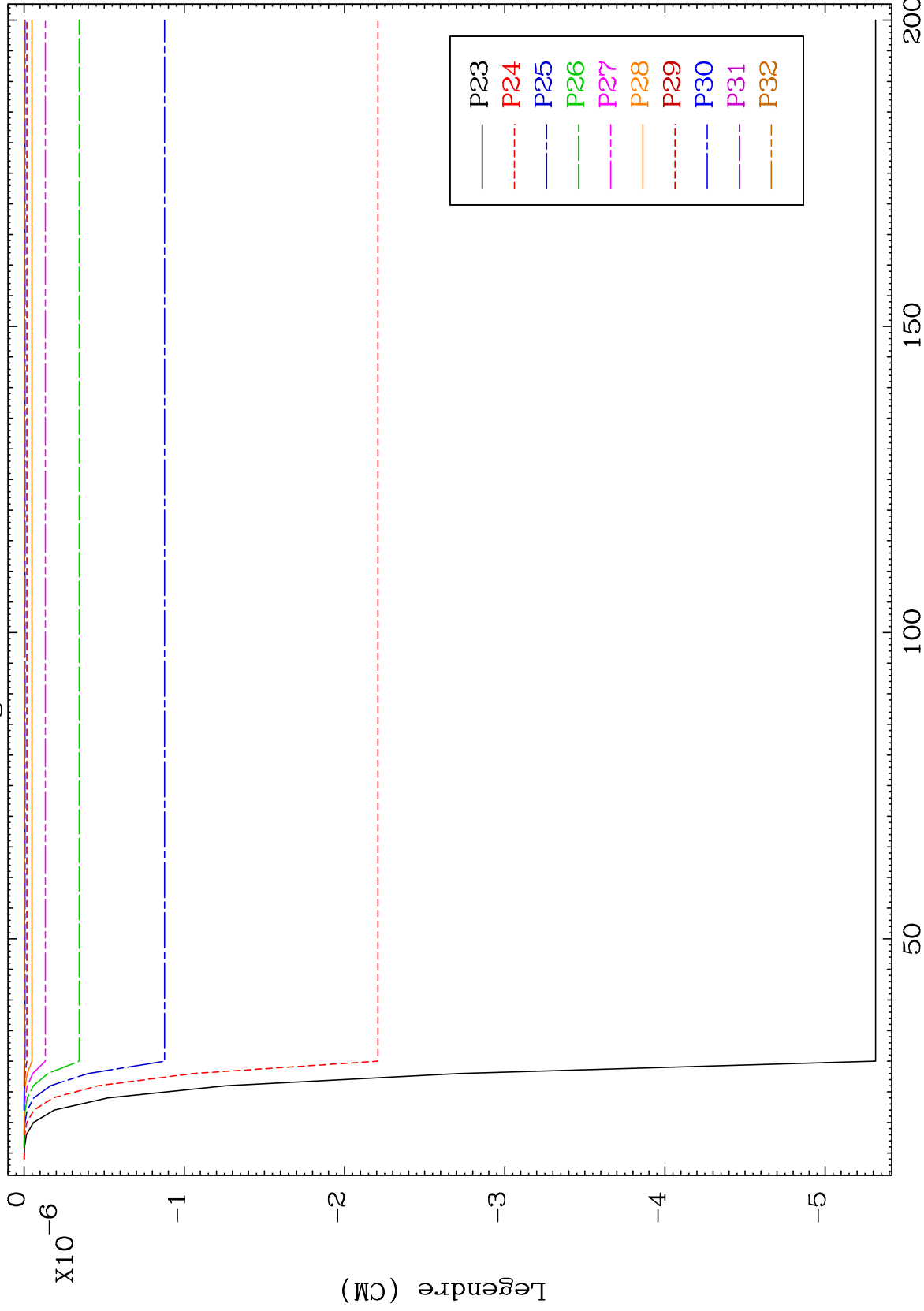
31-Ga-75



118

Incident Energy (MeV)

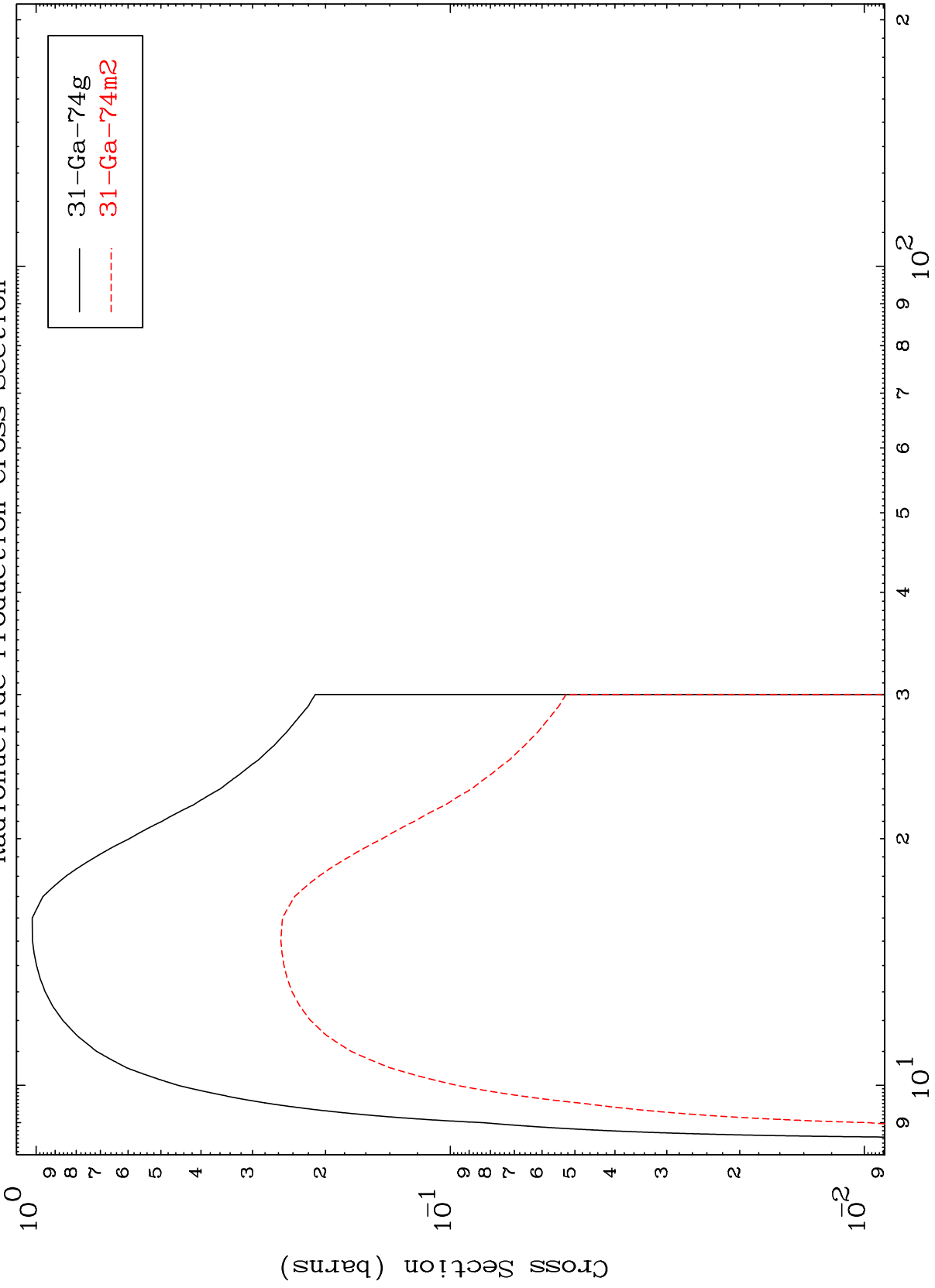
31-Ga-75



MAT 3143

31-Ga-75

(n,2n)
Radionuclide Production Cross Section



120

Incident Energy (MeV)

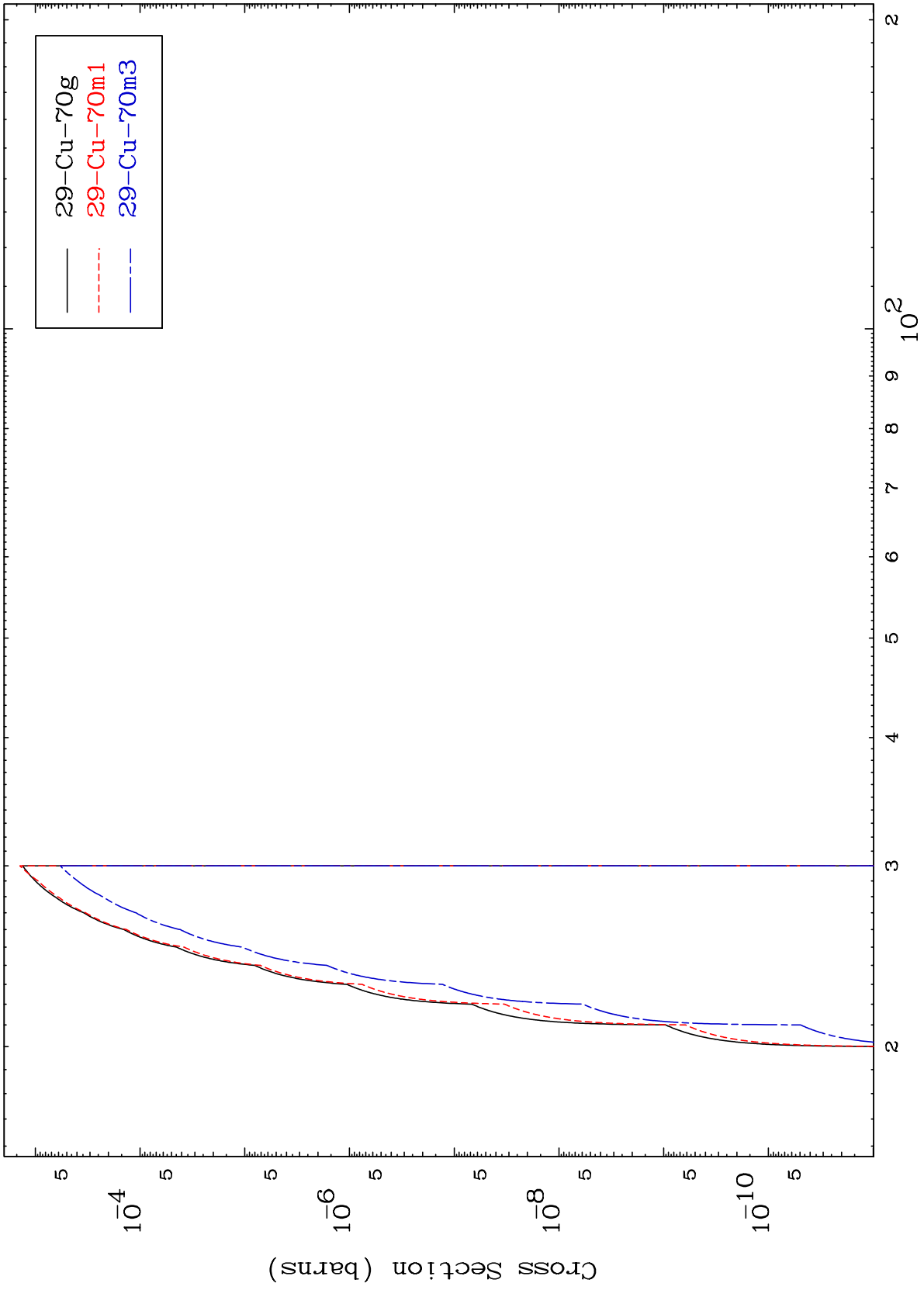
31-Ga-75

MAT 3143

$(n, 2n) \alpha$

$^{31}\text{Ga-75}$

Radionuclide Production Cross Section



121

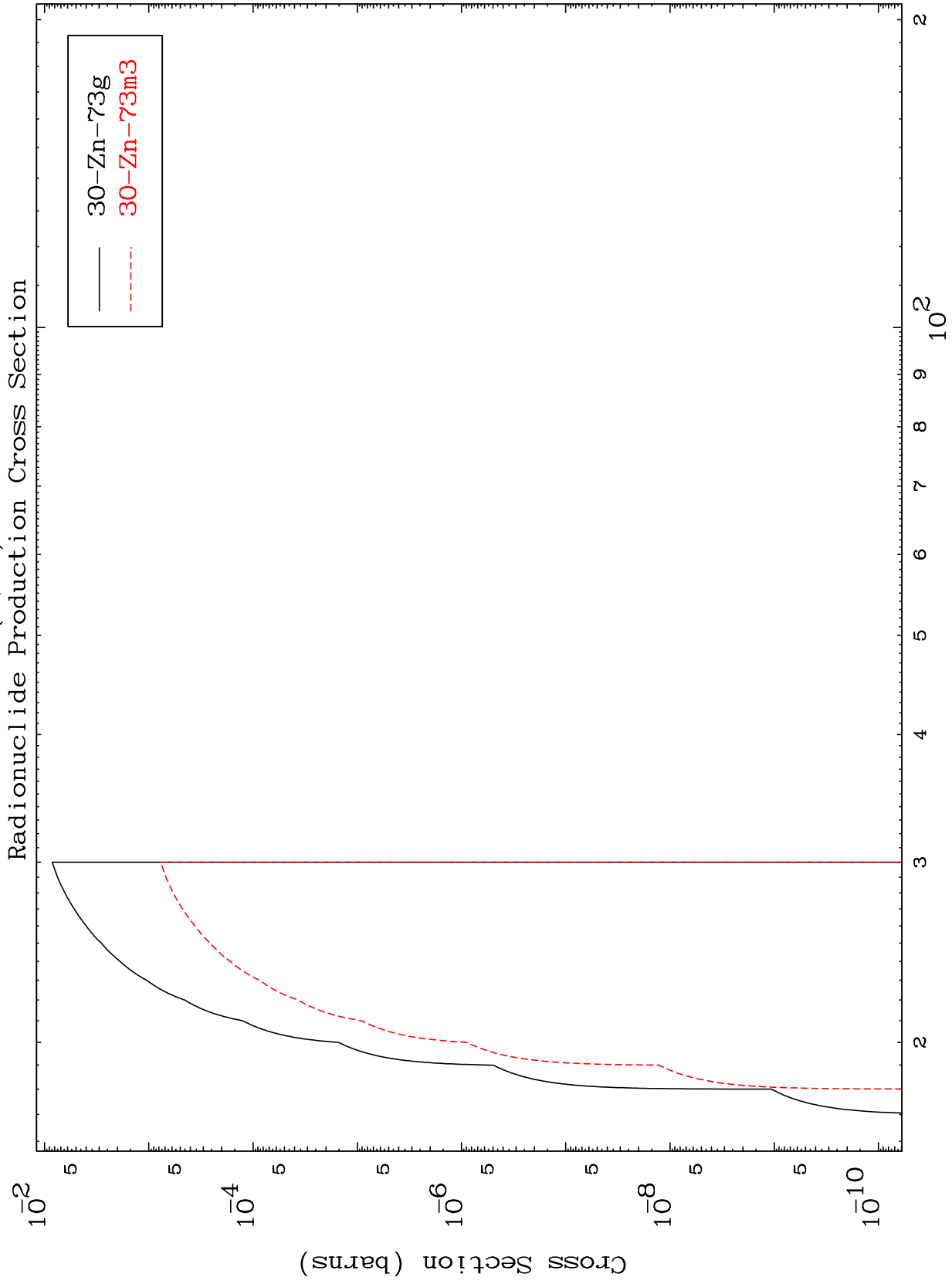
Incident Energy (MeV)

$^{31}\text{Ga-75}$

MAT 3143

(n,n') d

31-Ga-75



122

Incident Energy (MeV)

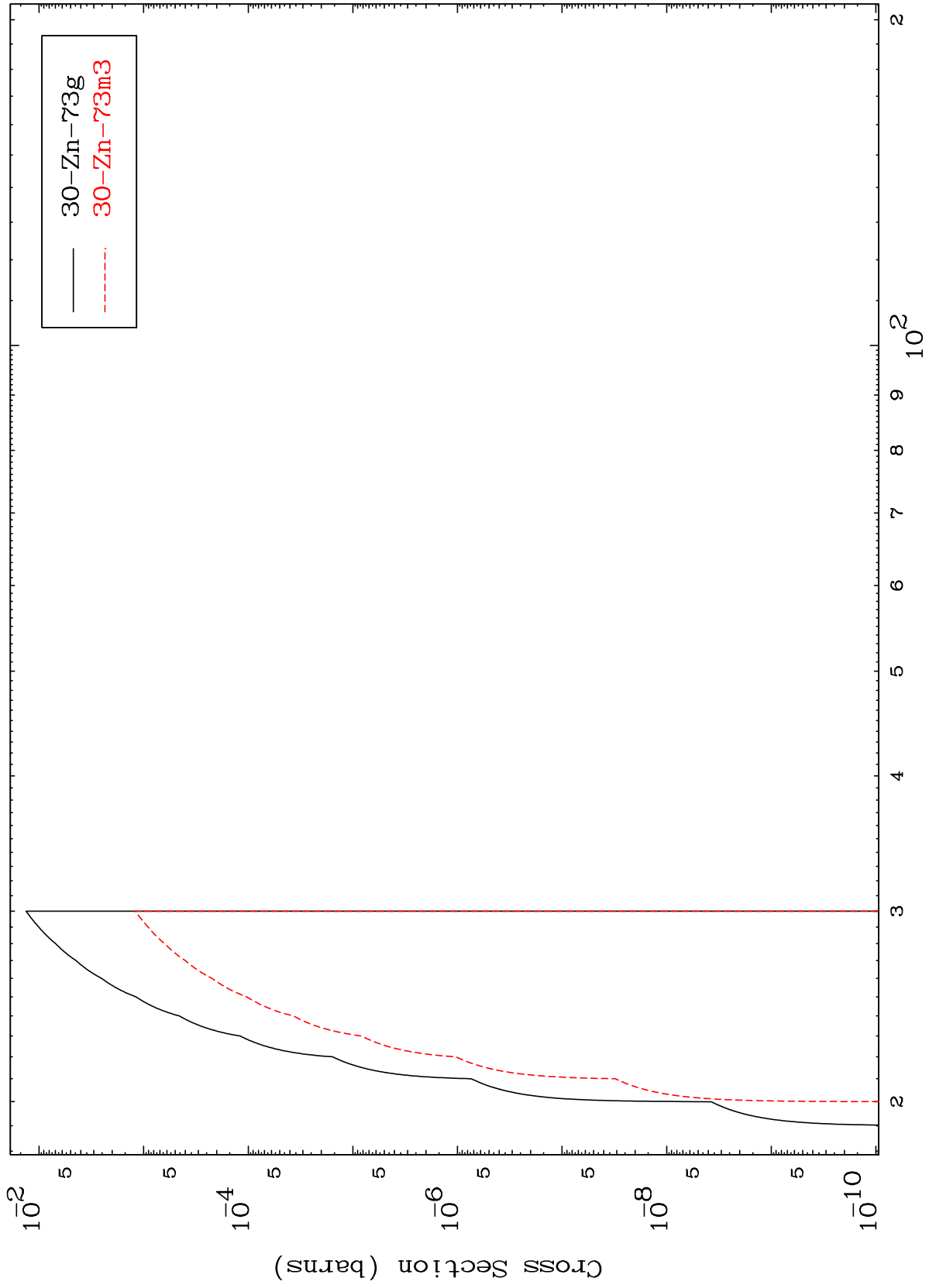
31-Ga-75

MAT 3143

(n,2n) p

31-Ga-75

Radionuclide Production Cross Section



123

Incident Energy (MeV)

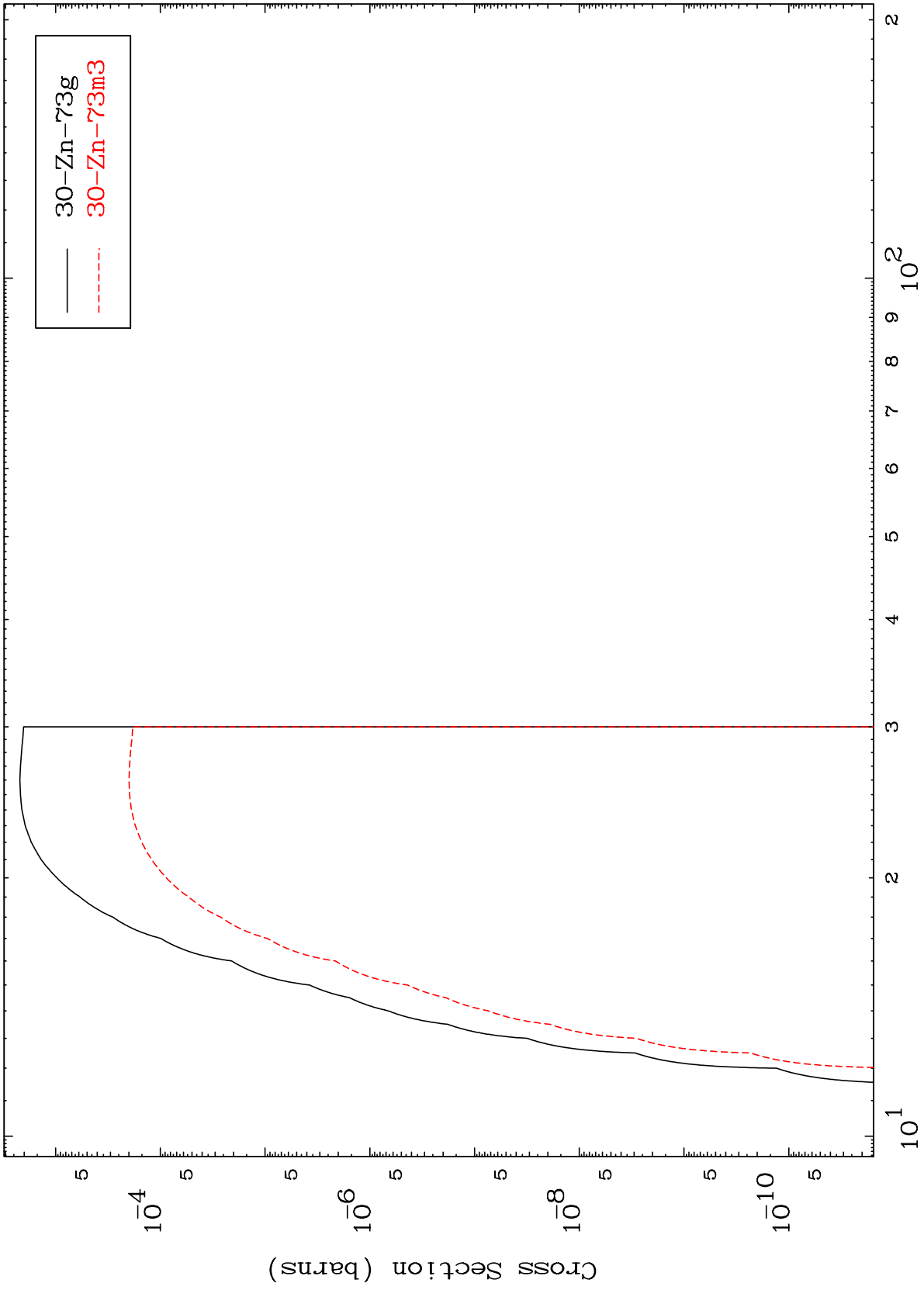
31-Ga-75

MAT 3143

(n, t)

31-Ga-75

Radionuclide Production Cross Section



124

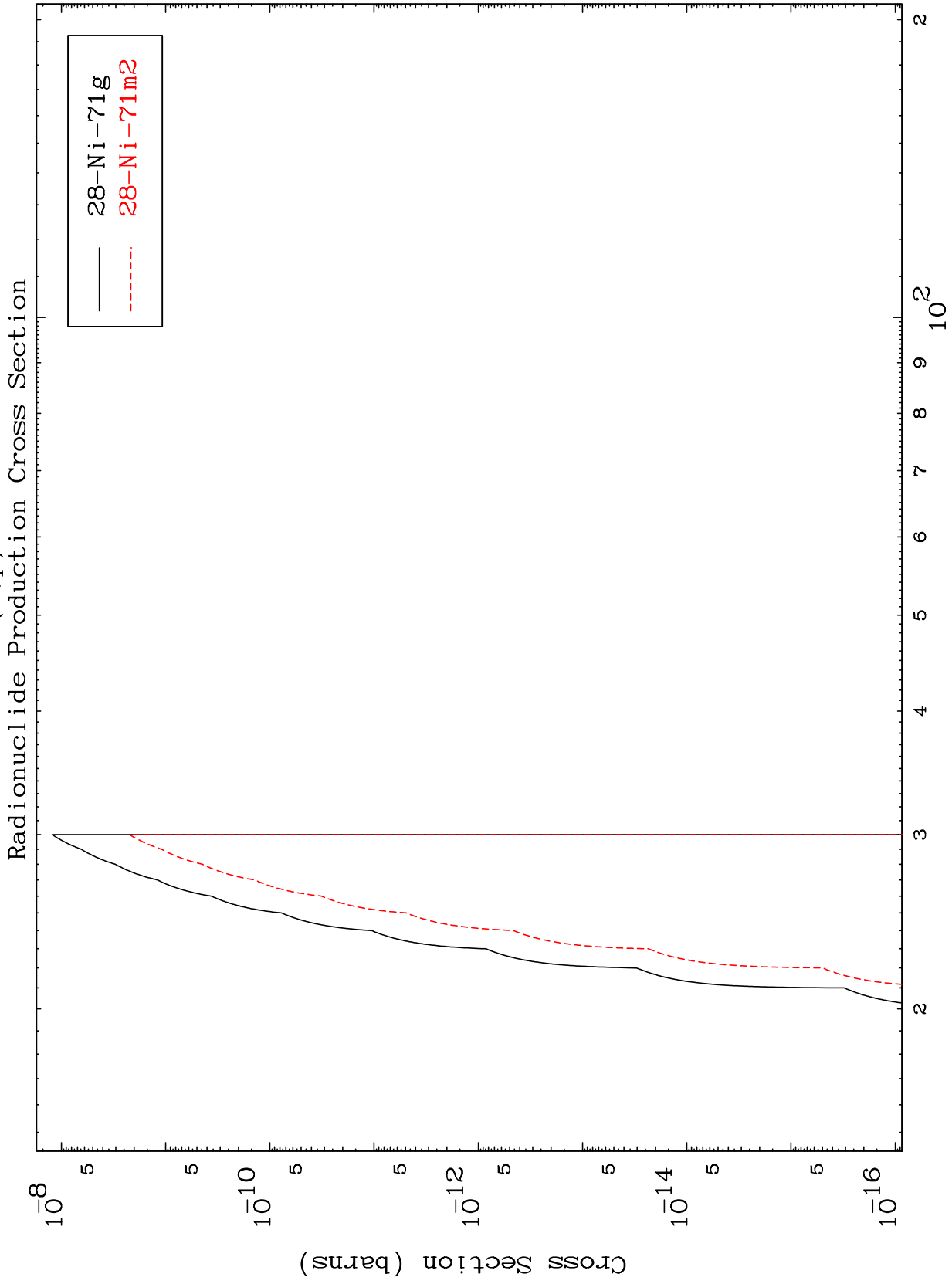
Incident Energy (MeV)

31-Ga-75

MAT 3143

(n,p) α

31-Ga-75



125

Incident Energy (MeV)

31-Ga-75