

Program EVALPLOT
(Version 2018-1)

by

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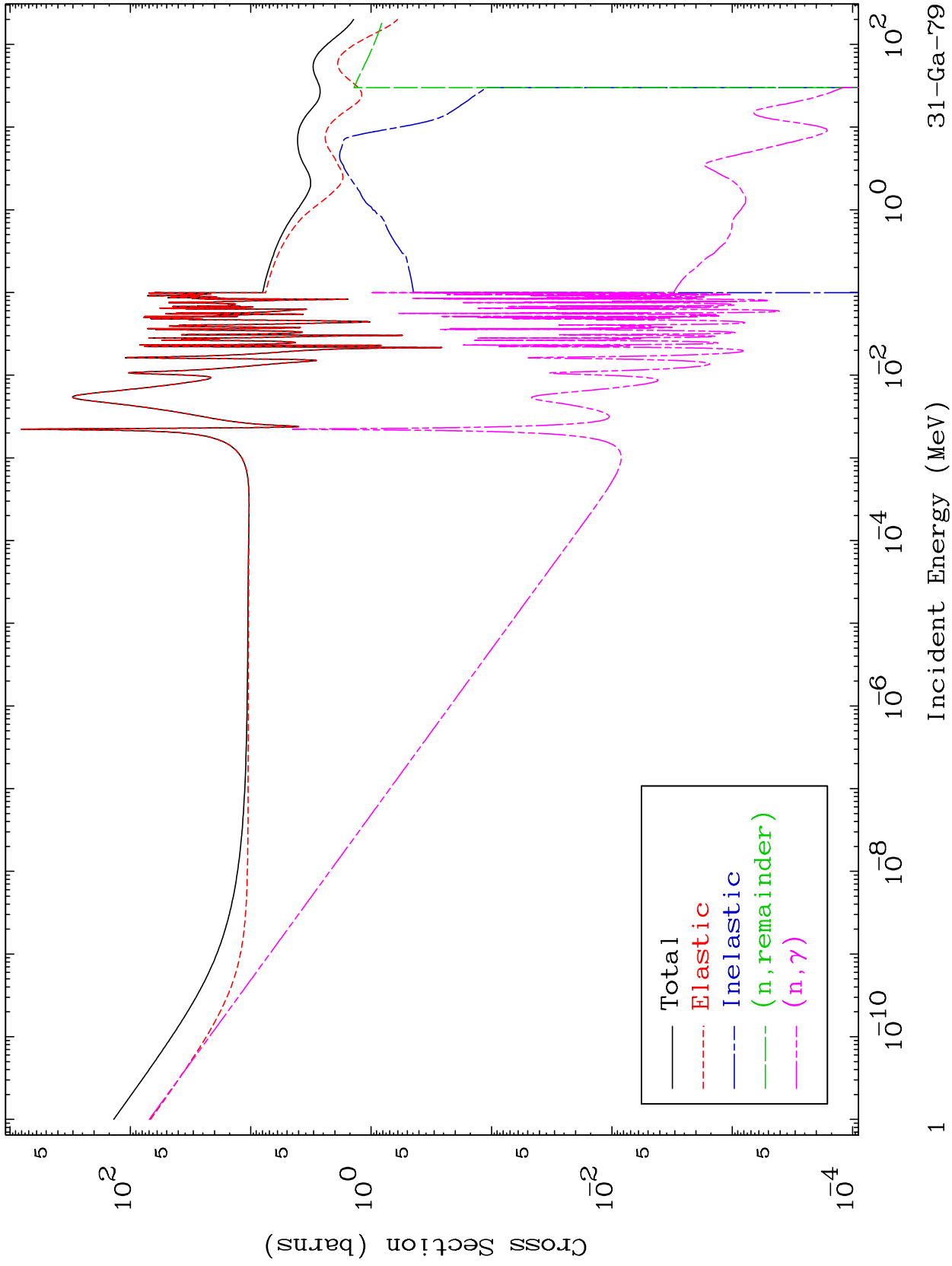
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3155

Major
293 Kelvin Cross Sections

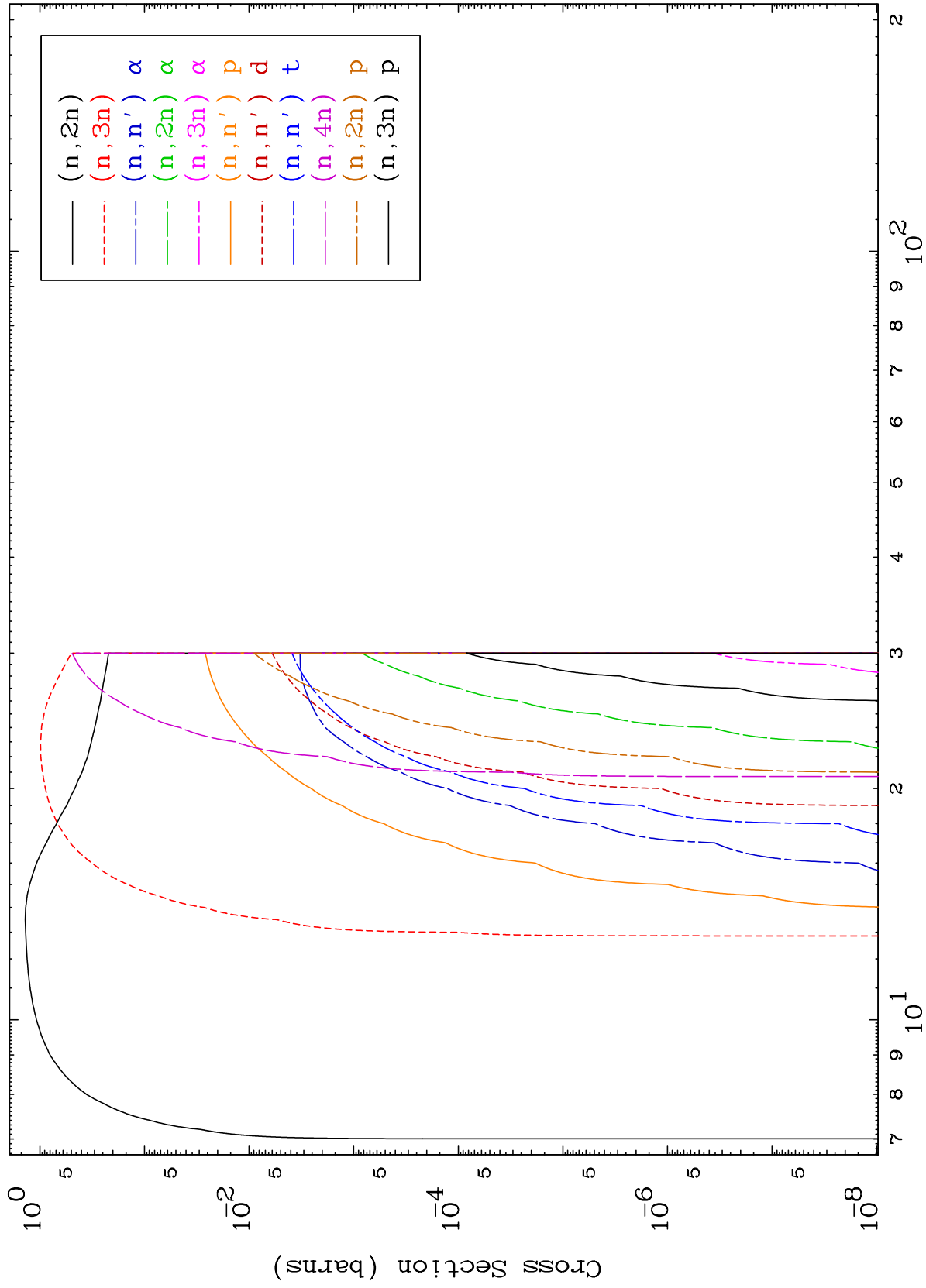
31-Ga-79



MAT 3155

Neutron Production
293 Kelvin Cross Sections

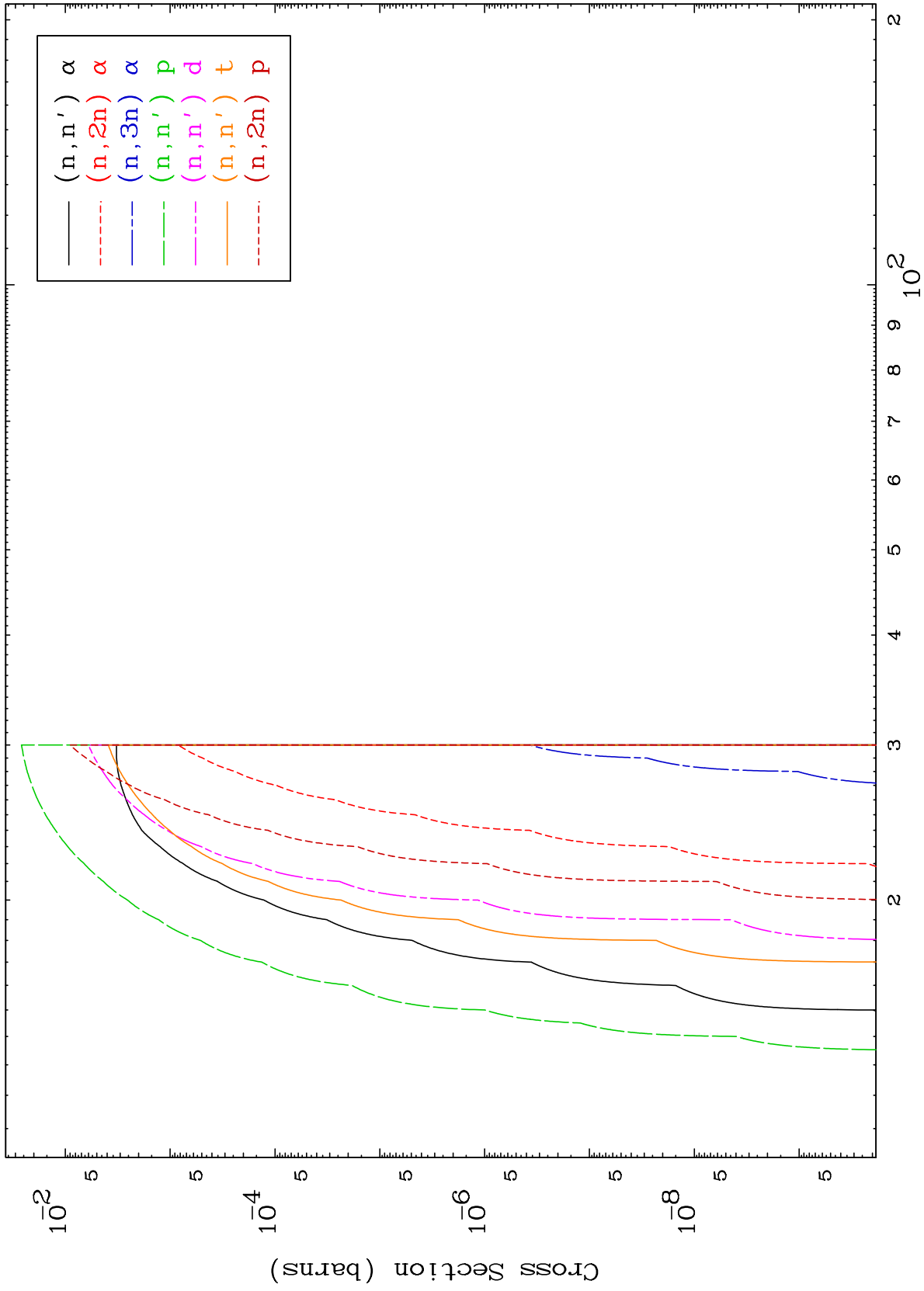
31-Ga-79



2

Incident Energy (MeV)

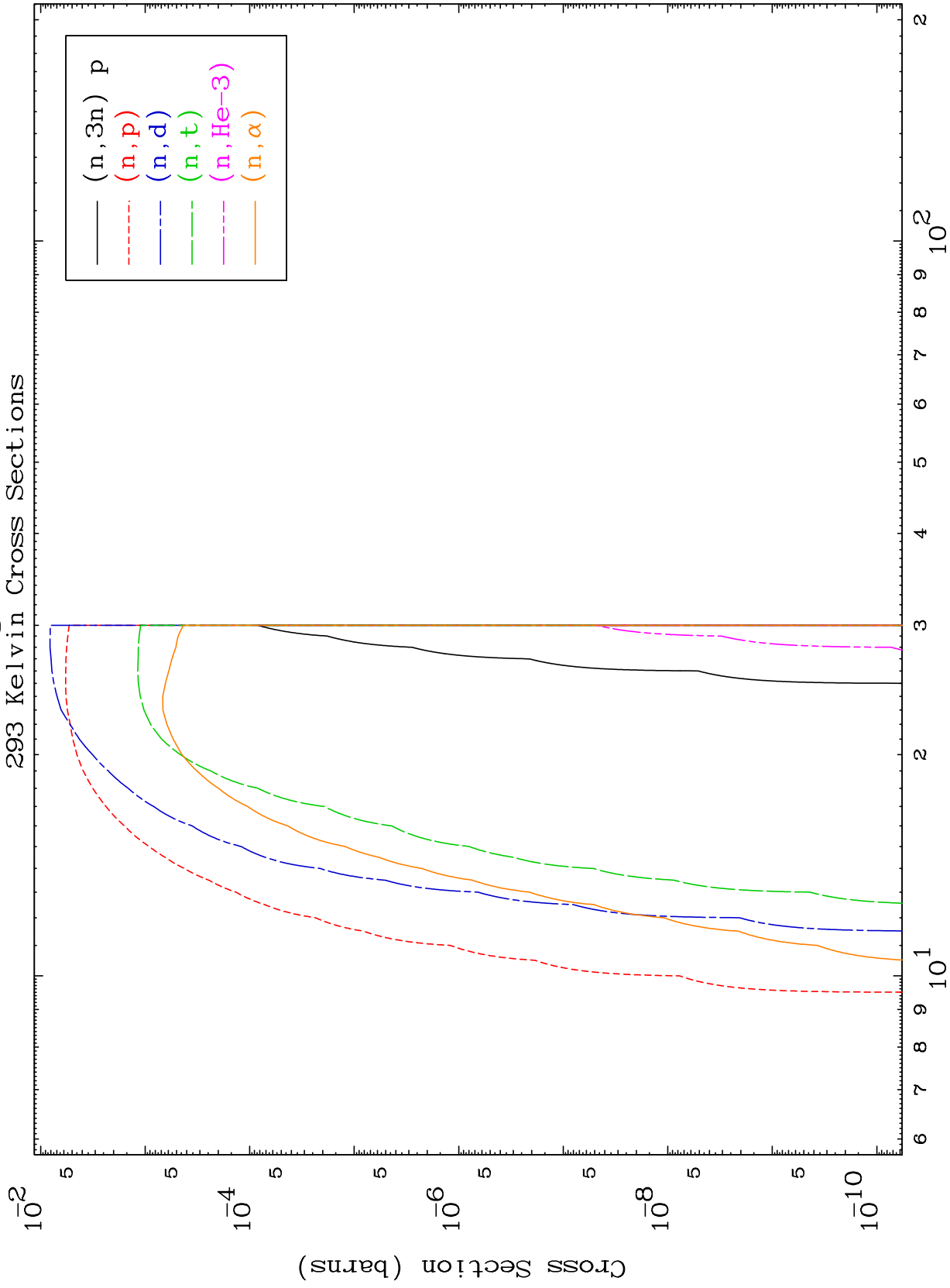
31-Ga-79



MAT 3155

Charged Particle
293 Kelvin Cross Sections

31-Ga-79



4

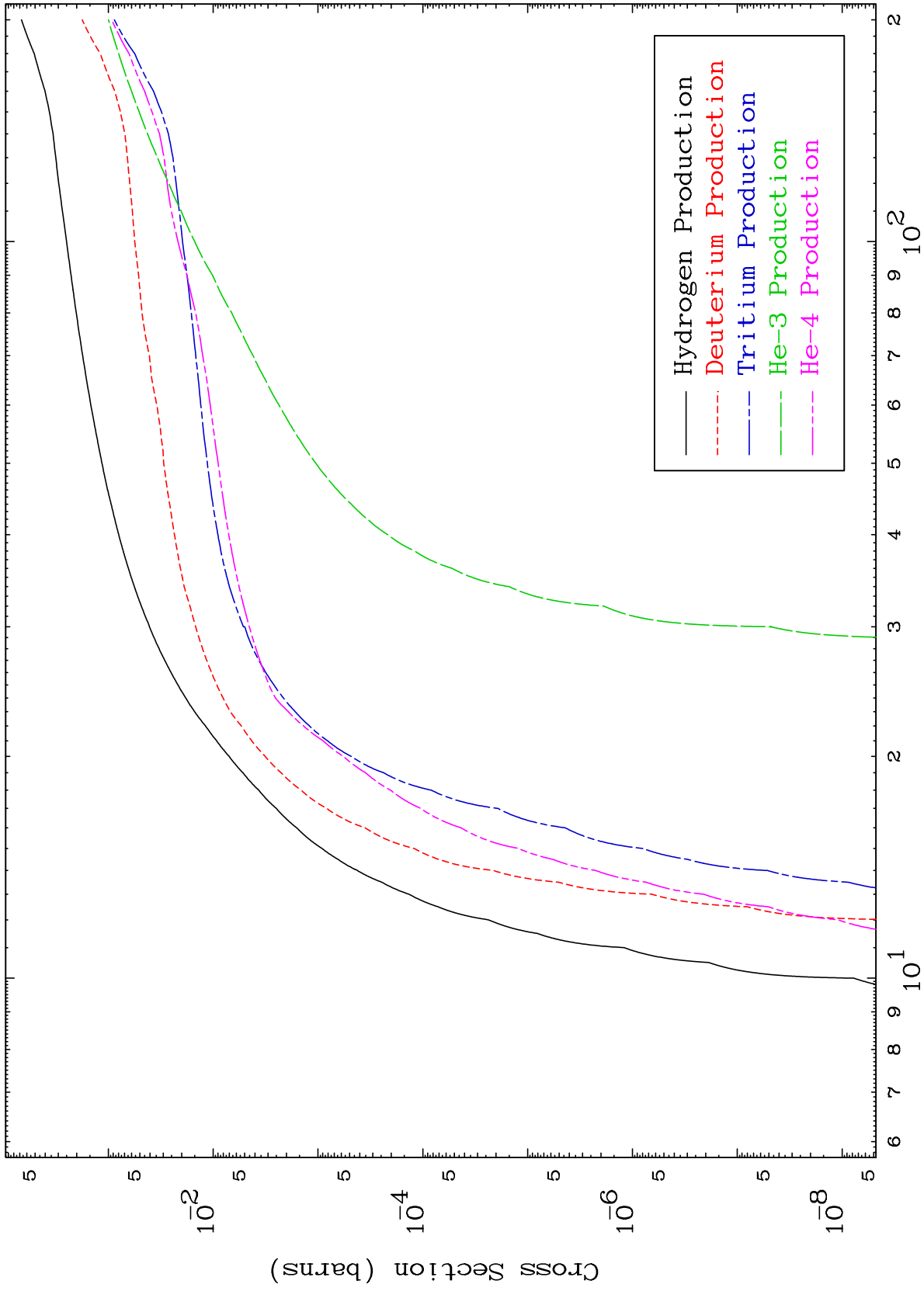
Incident Energy (MeV)

31-Ga-79

MAT 3155

Particle Production
293 Kelvin Cross Sections

31-Ga-79



5

Incident Energy (MeV)

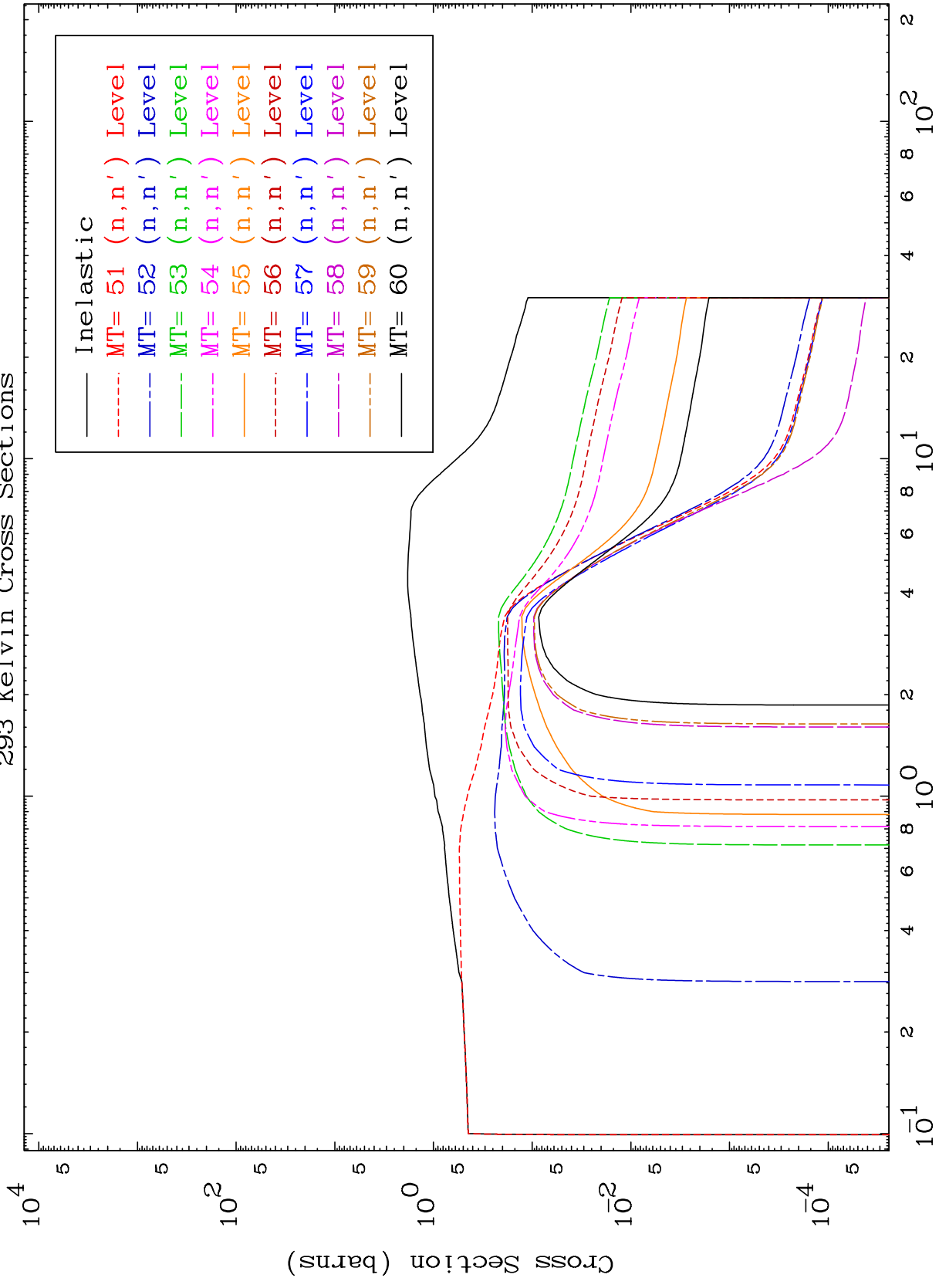
31-Ga-79

MAT 3155

(n,n') Level

31-Ga-79

293 Kelvin Cross Sections



31-Ga-79

Incident Energy (MeV)

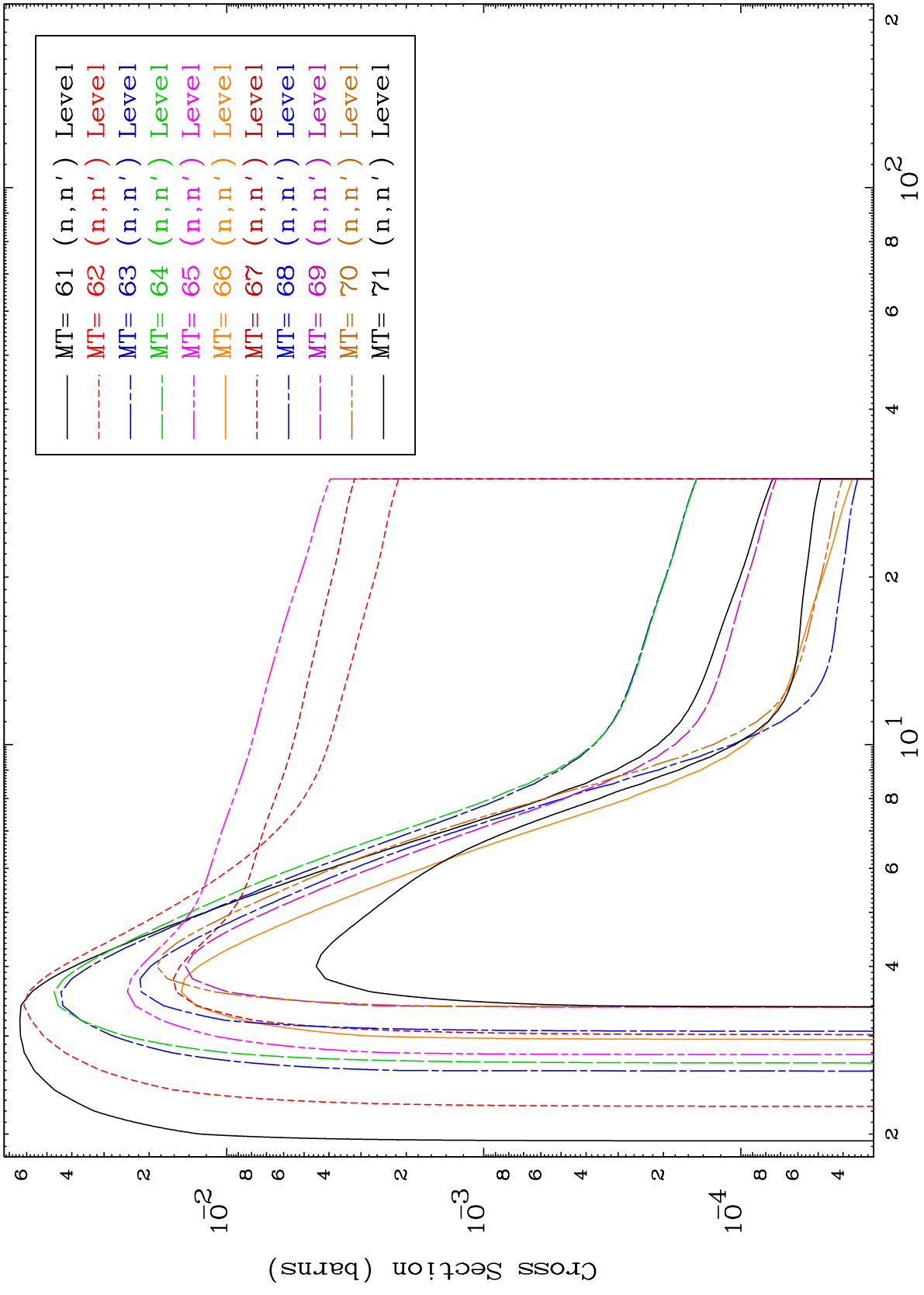
6

MAT 3155

(n,n') Level

31-Ga-79

293 Kelvin Cross Sections



7

Incident Energy (MeV)

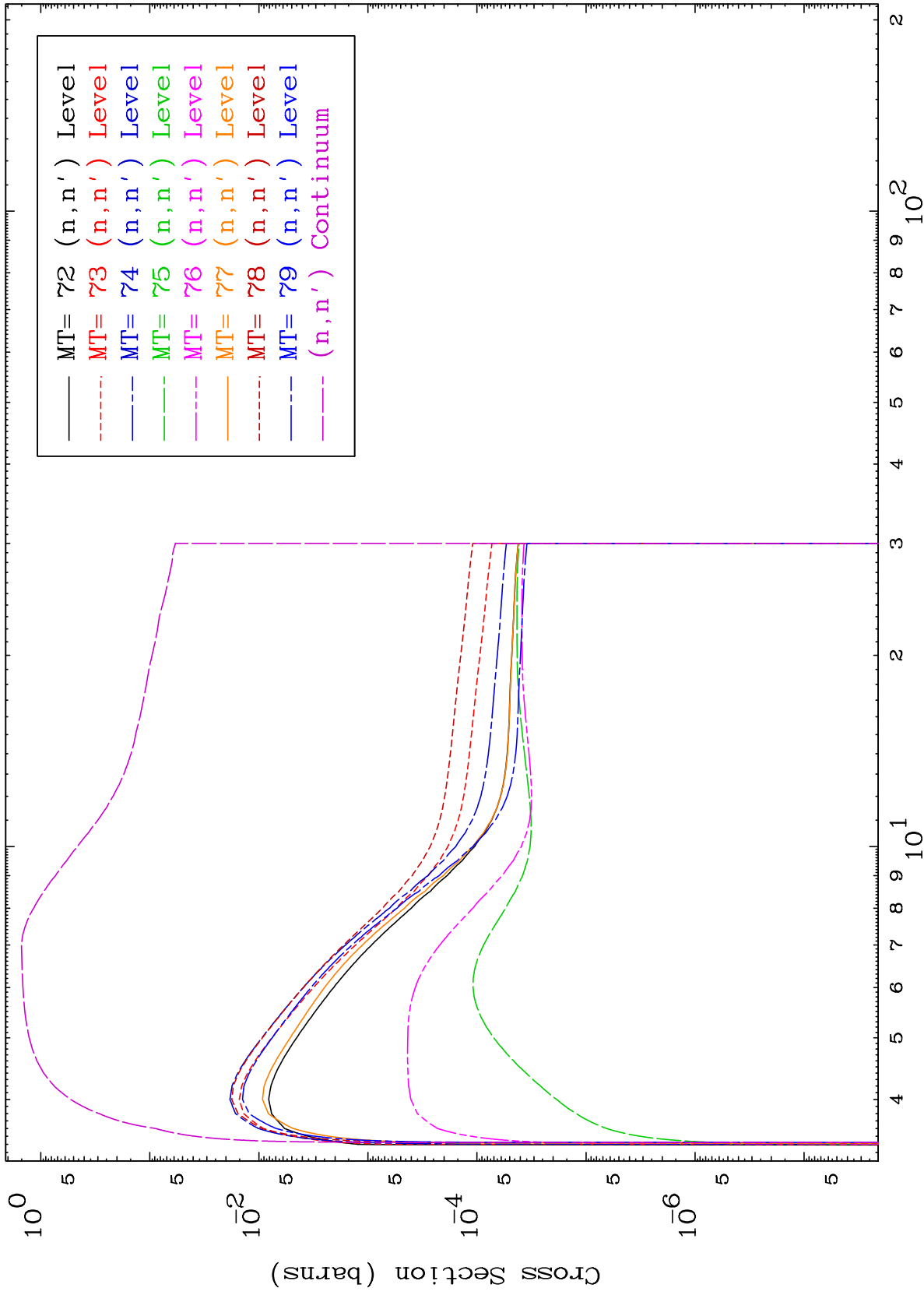
31-Ga-79

MAT 3155

(n,n') Level

31-Ga-79

293 Kelvin Cross Sections



8

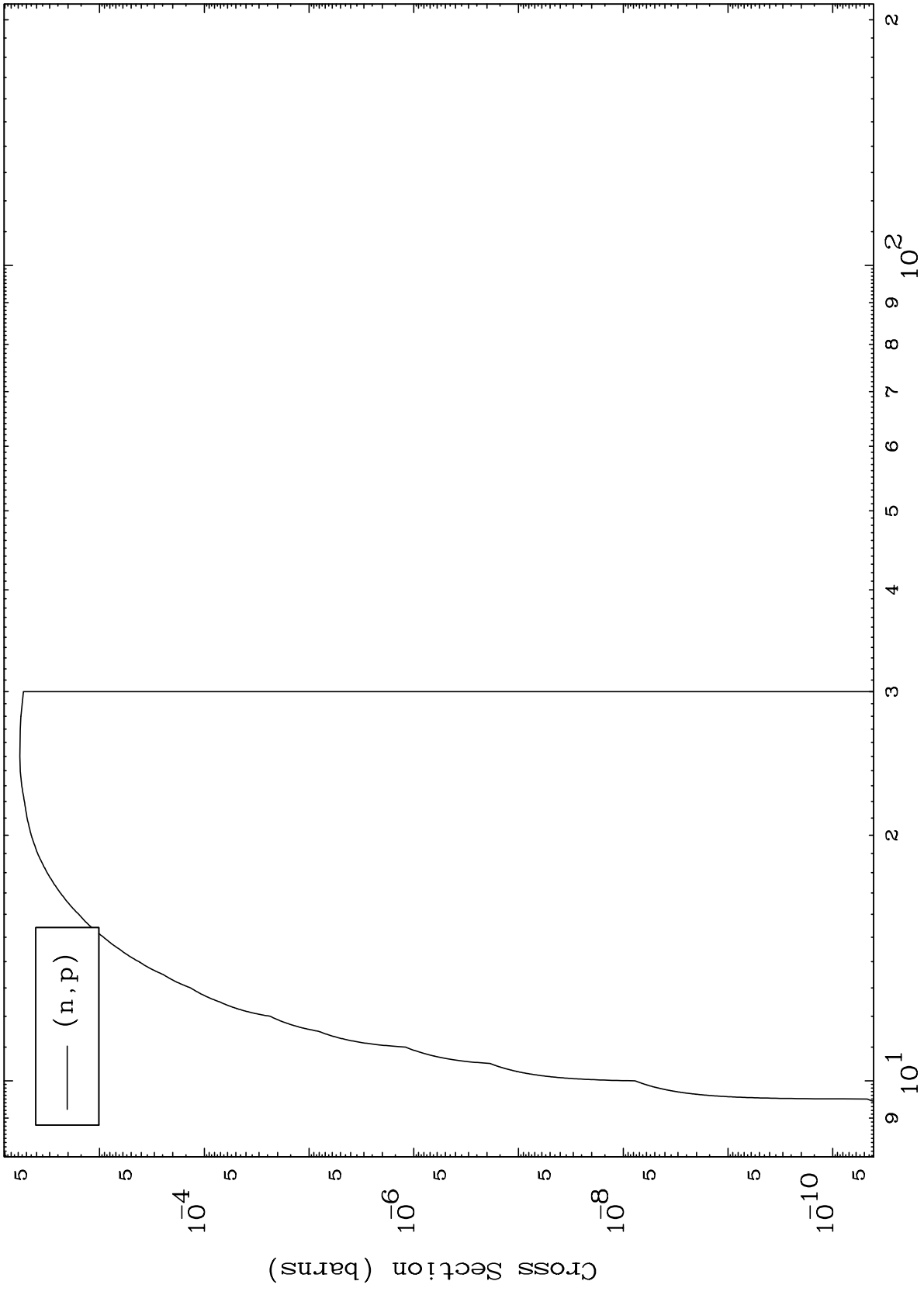
Incident Energy (MeV)

31-Ga-79

MAT 3155

(n,p) Levels
293 Kelvin Cross Sections

31-Ga-79



9

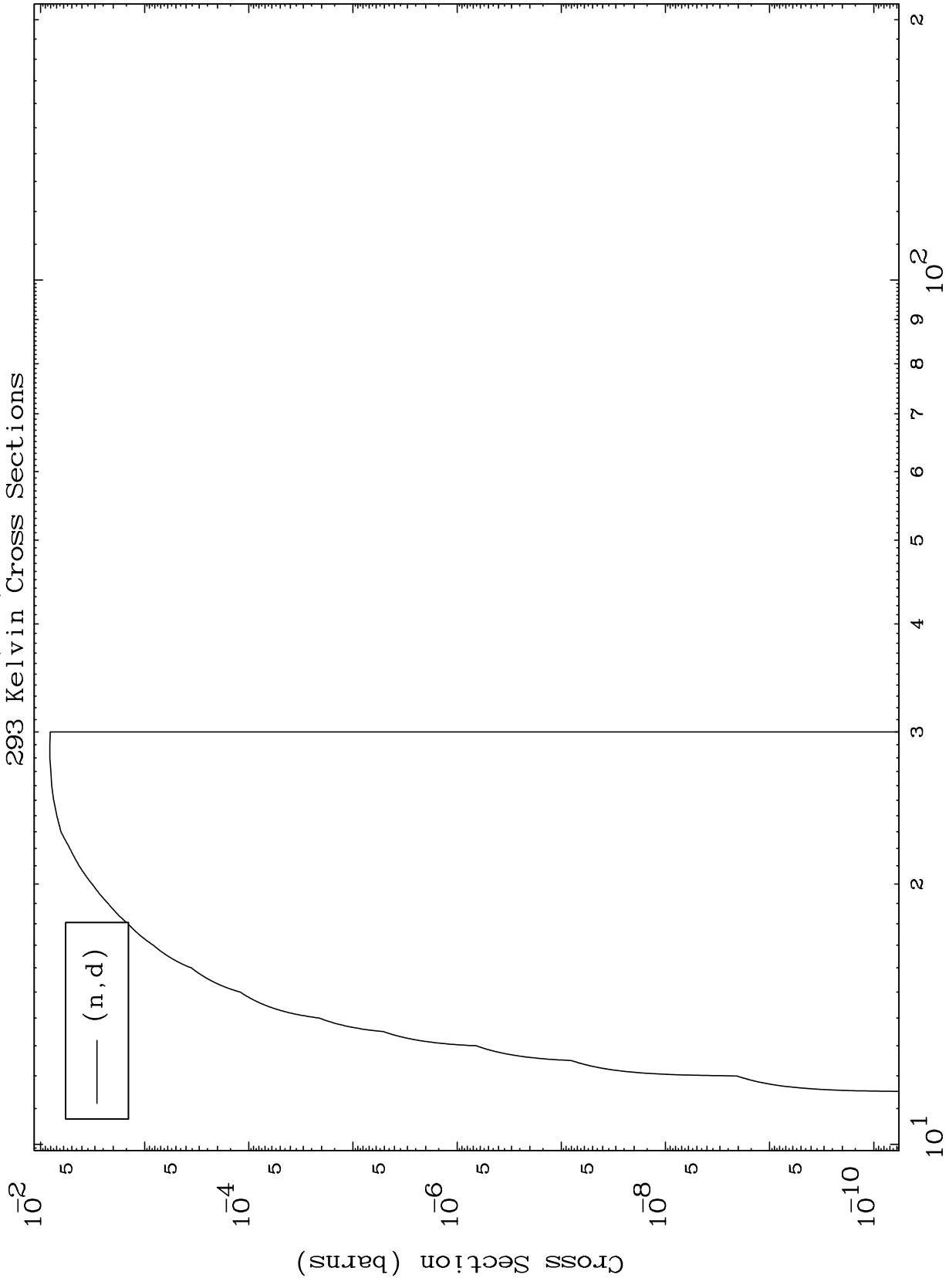
Incident Energy (MeV)

31-Ga-79

MAT 3155

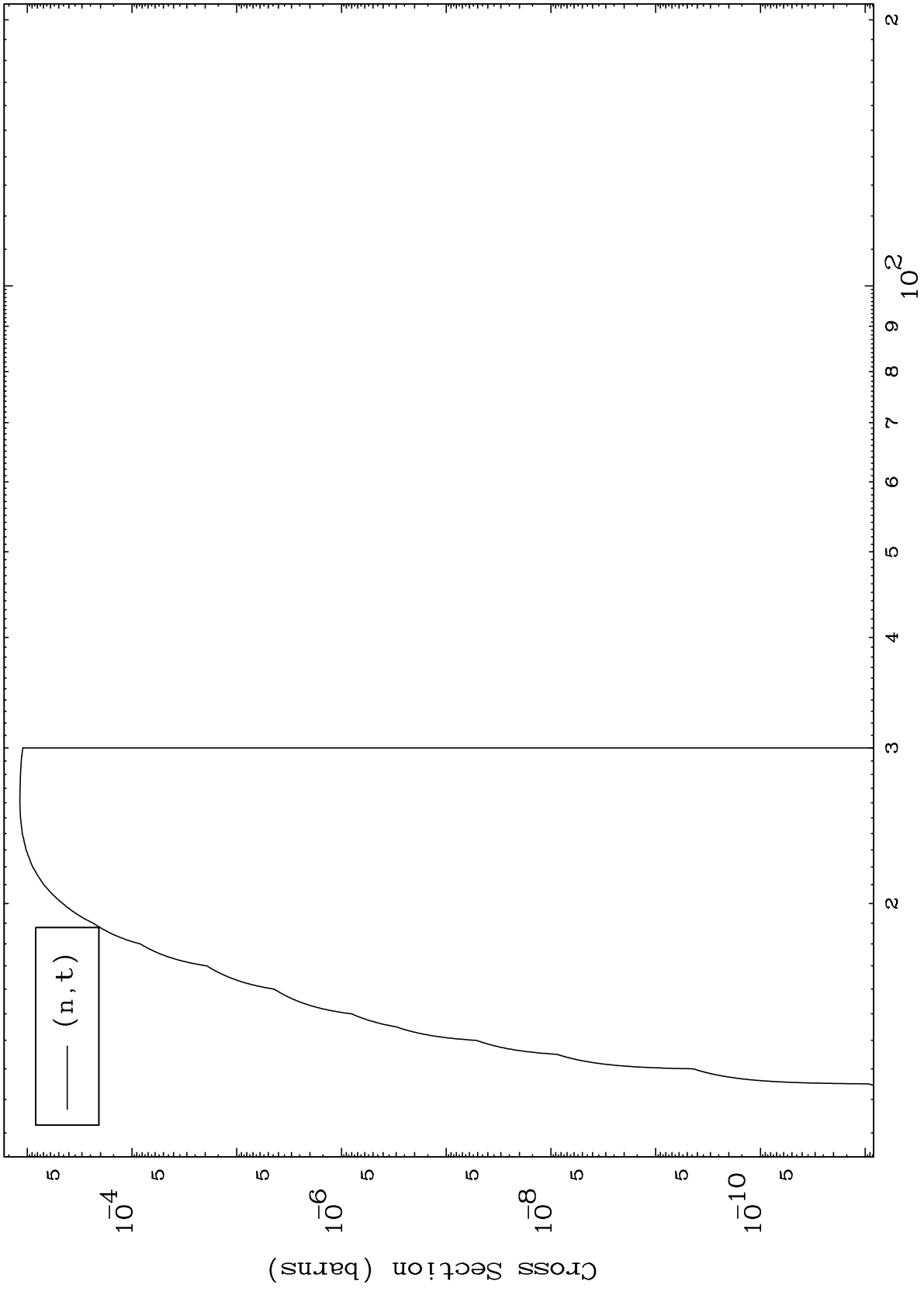
(n,d) Levels
293 Kelvin Cross Sections

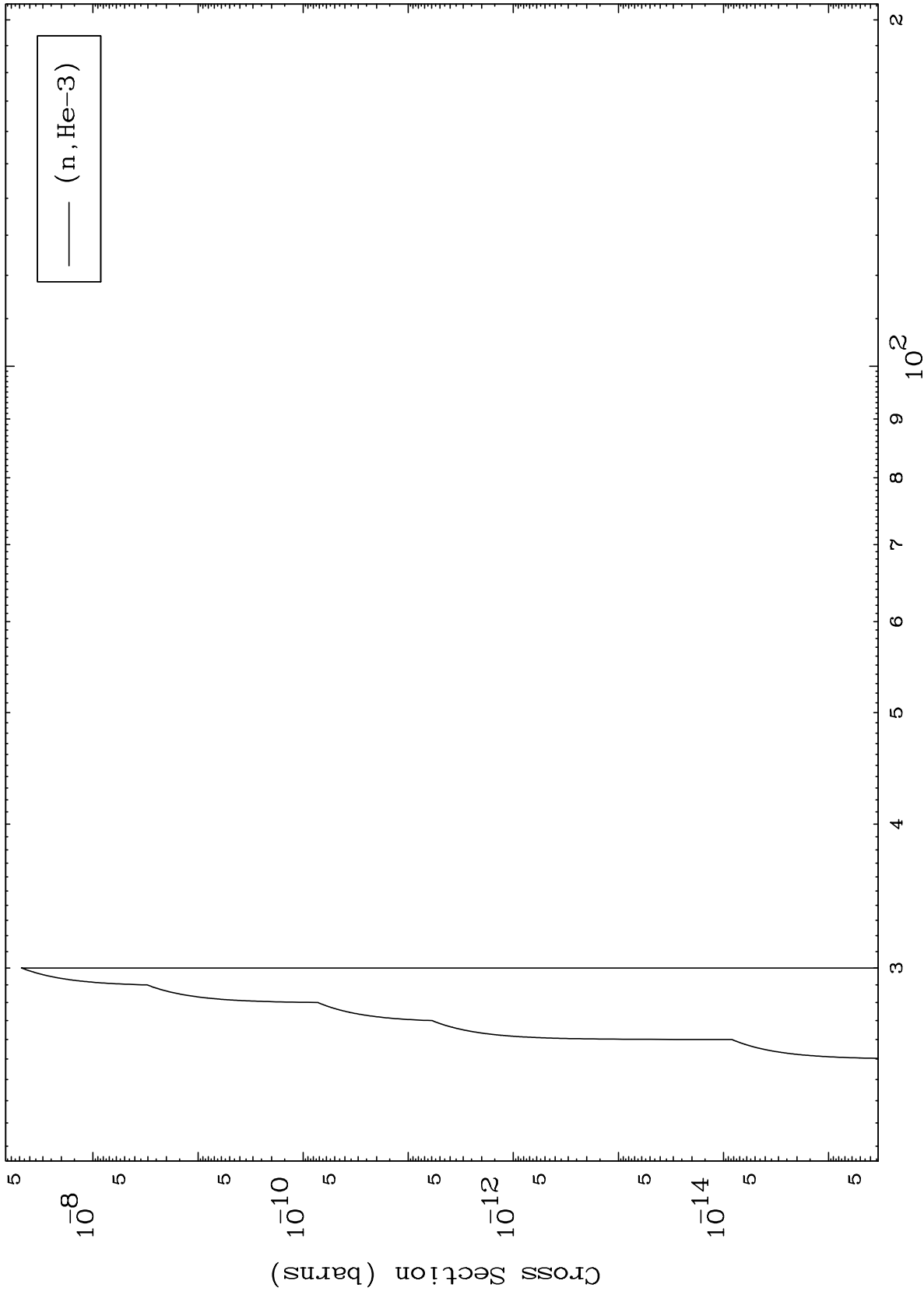
31-Ga-79



Incident Energy (MeV)

31-Ga-79

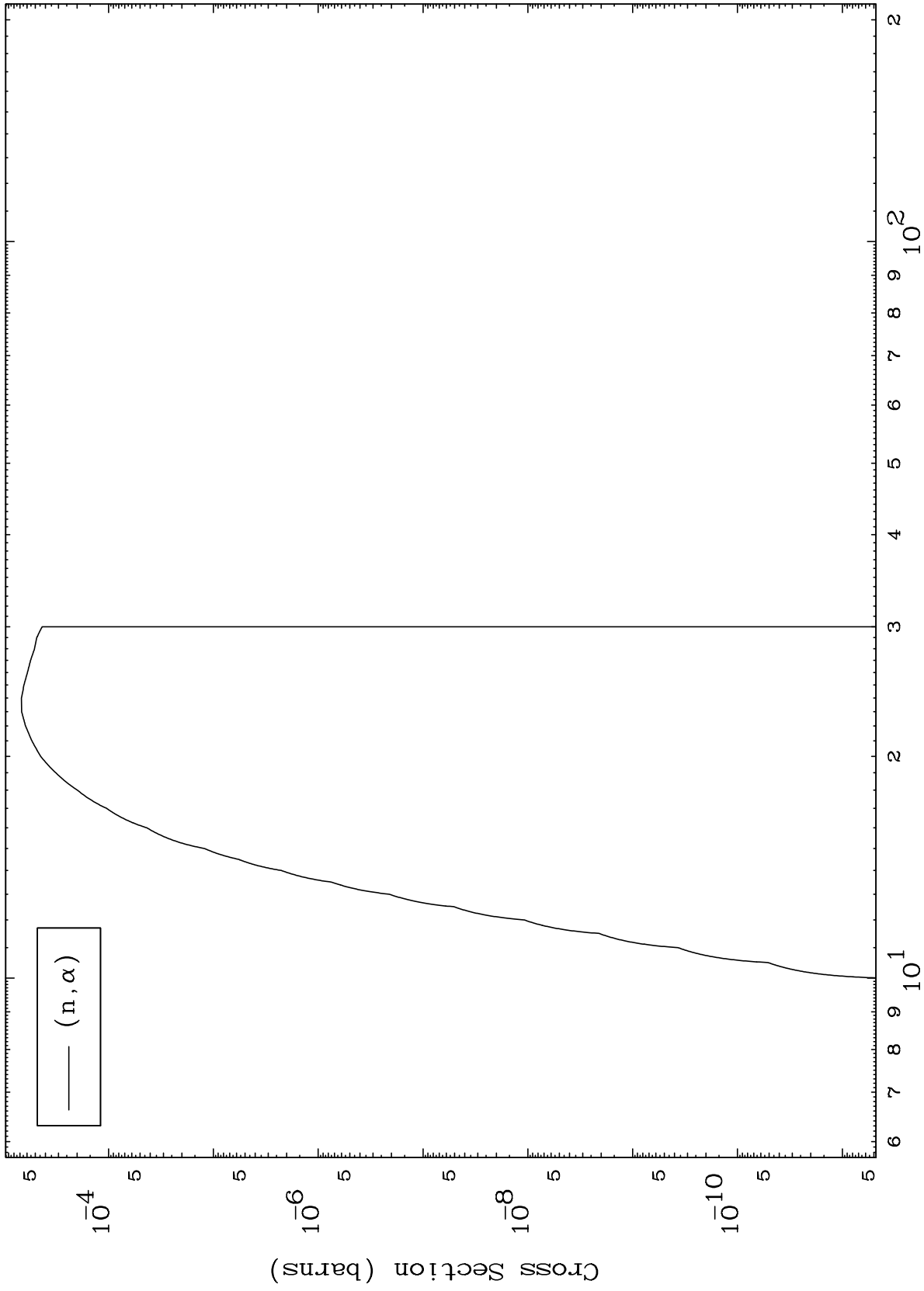




MAT 3155

31-Ga-79

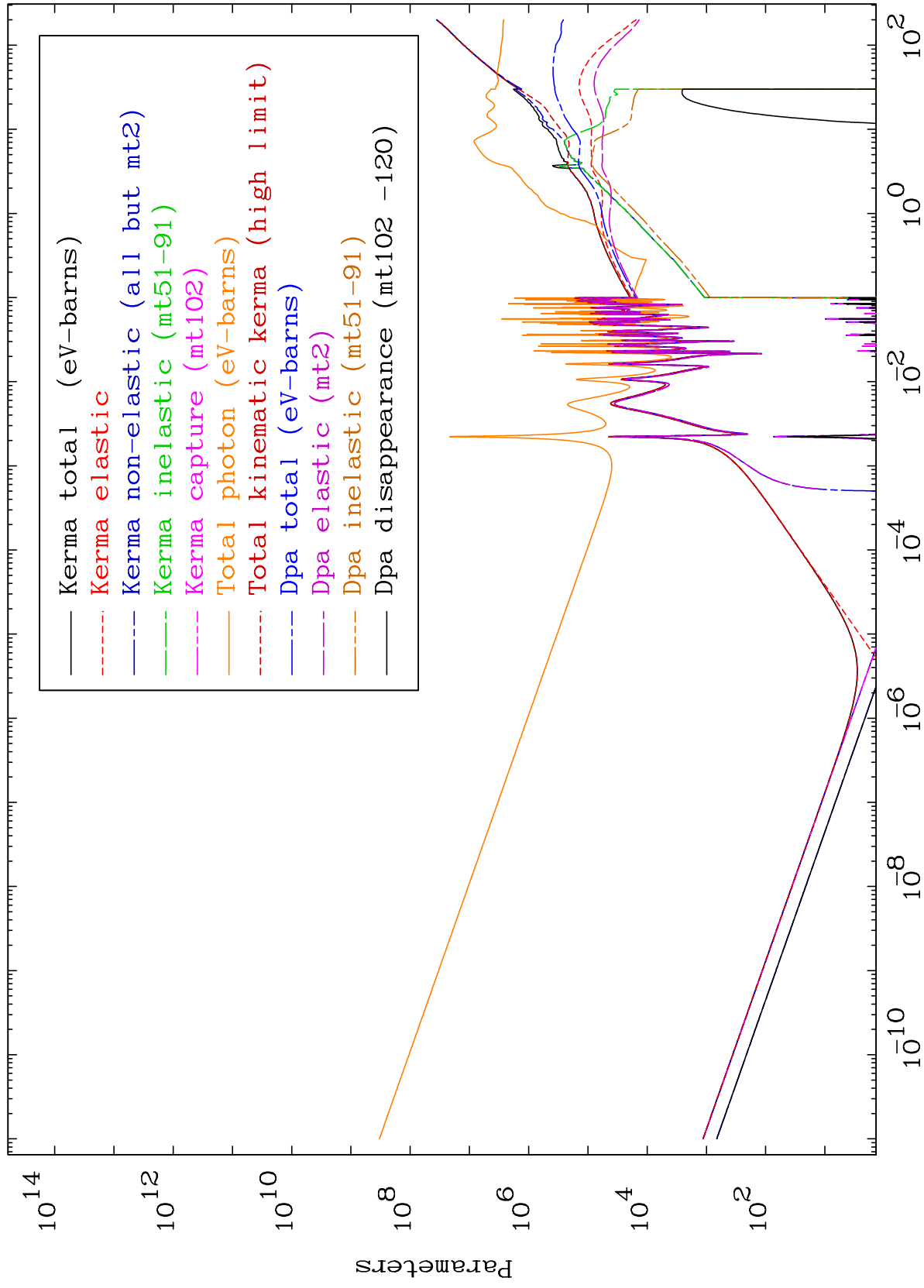
(n,α) Levels
293 Kelvin Cross Sections



13

Incident Energy (MeV)

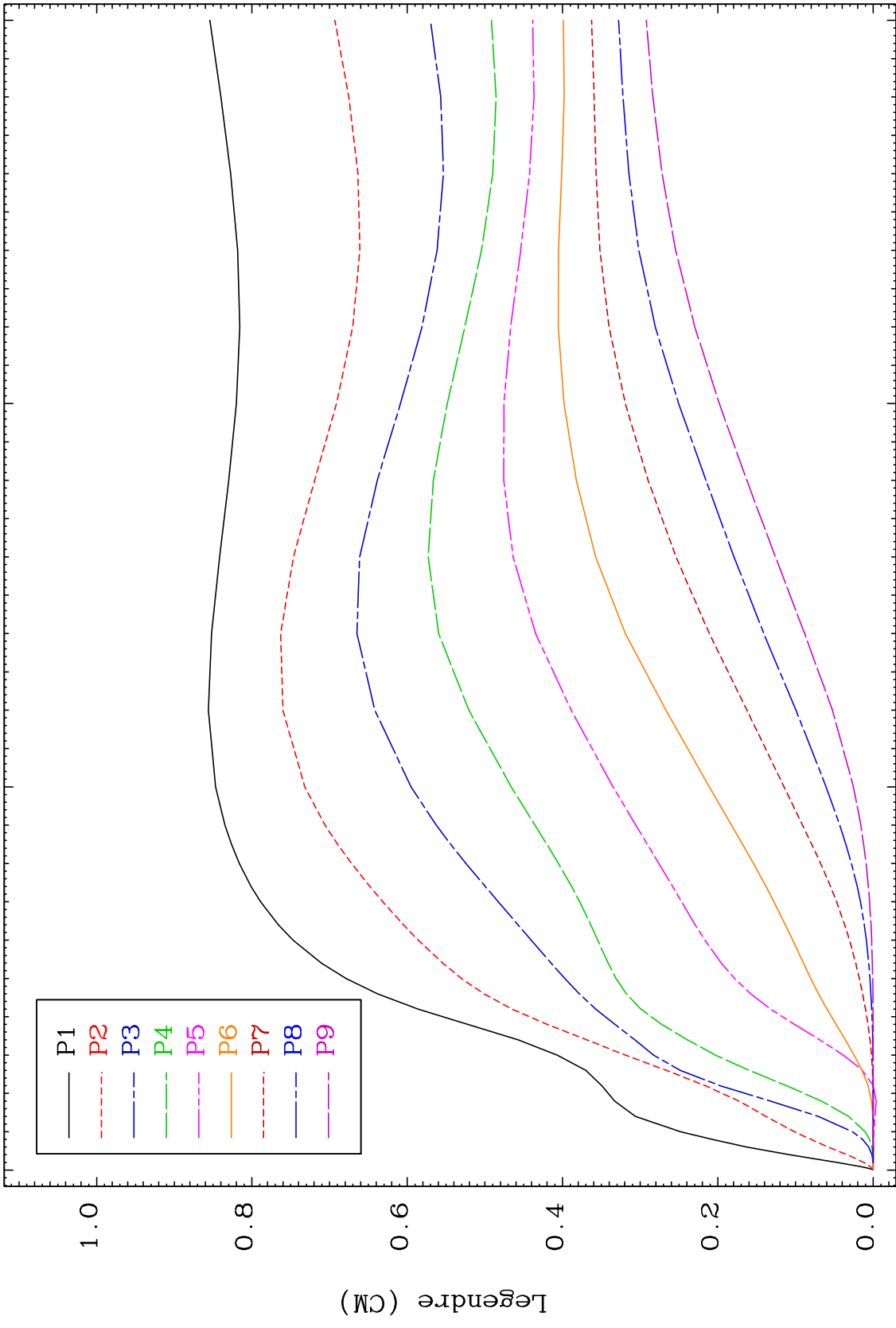
31-Ga-79



MAT 3155

Elastic Legendre Coefficients

31-Ga-79



15

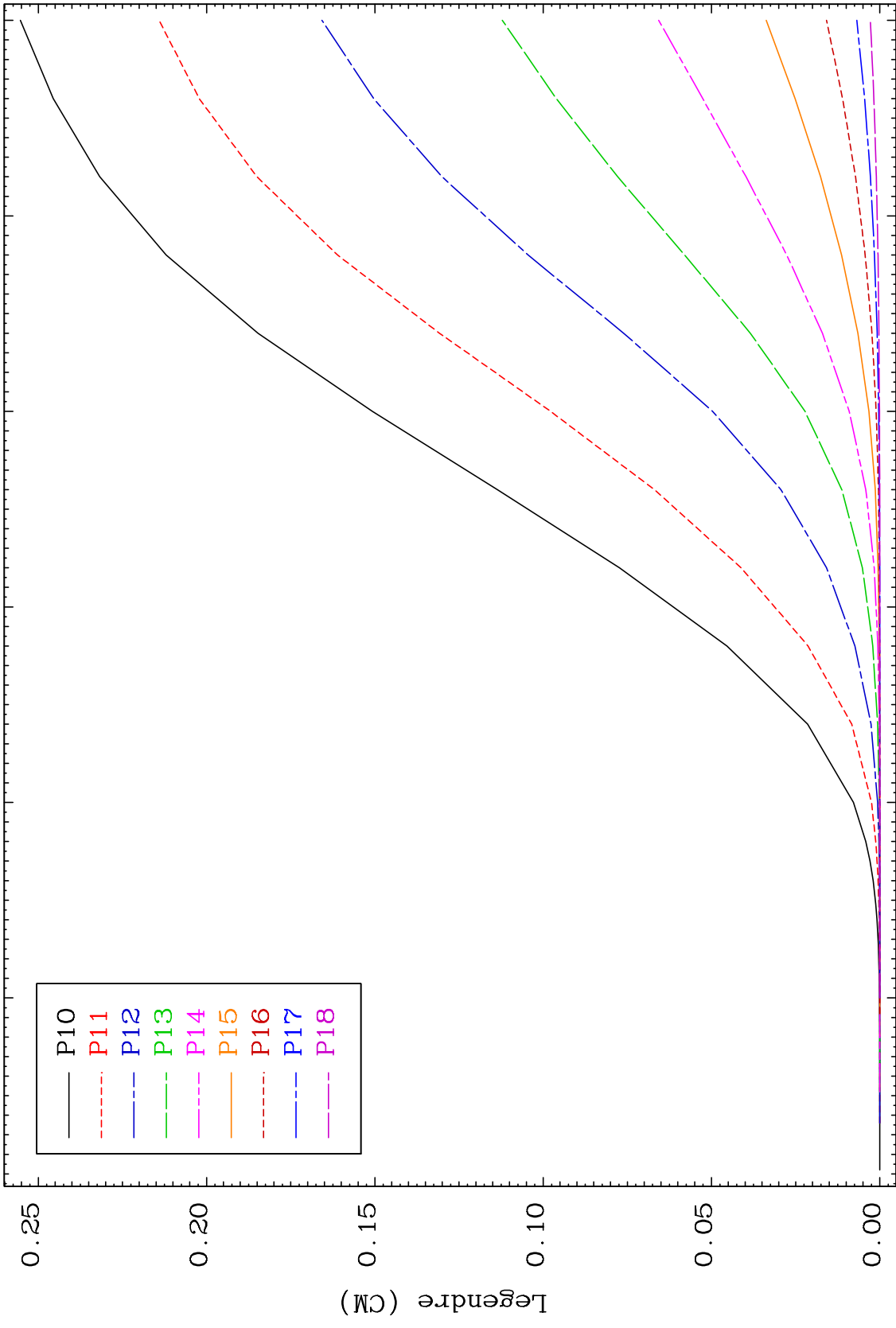
Incident Energy (MeV)

31-Ga-79

MAT 3155

Elastic Legendre Coefficients

31-Ga-79



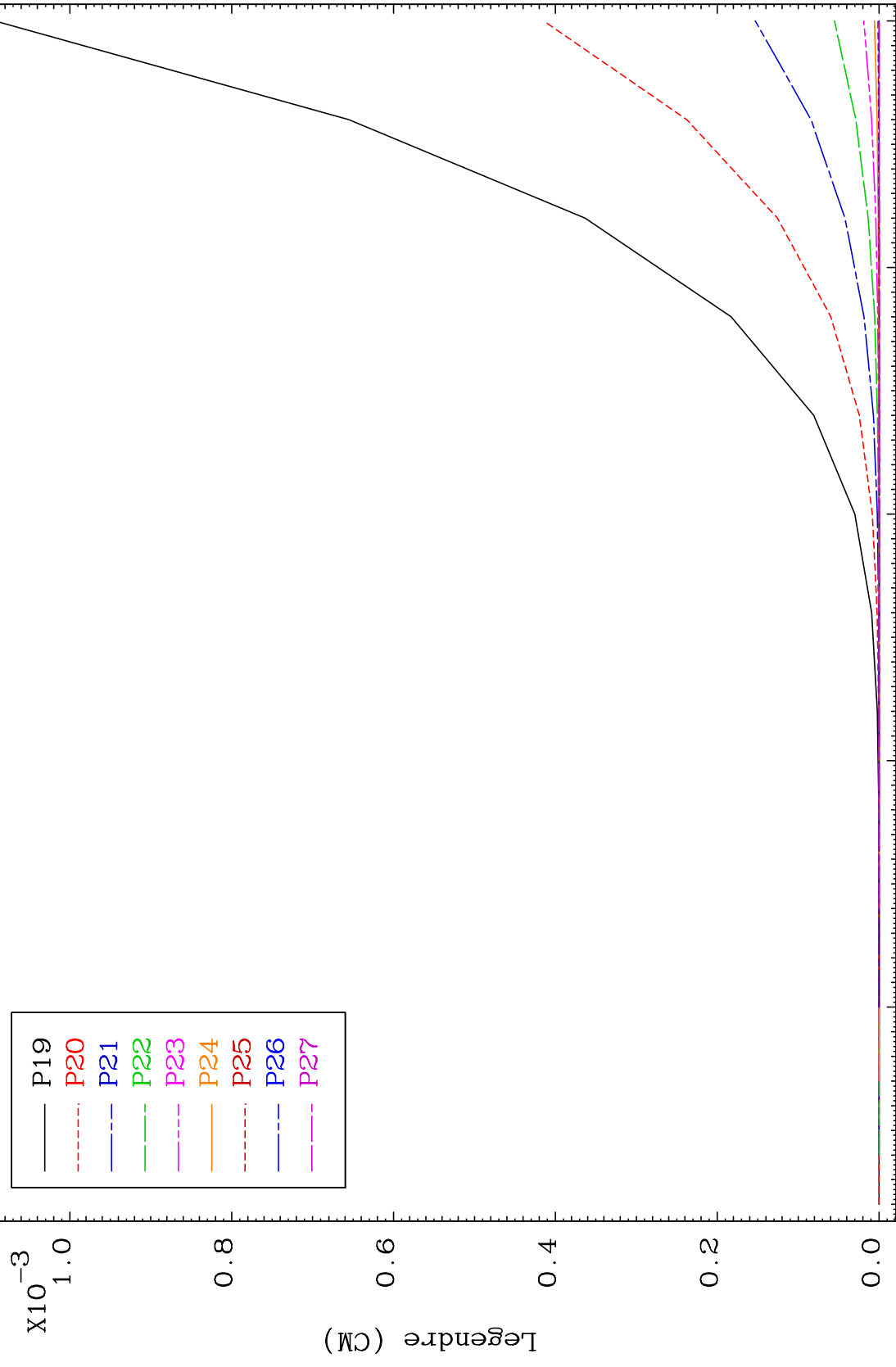
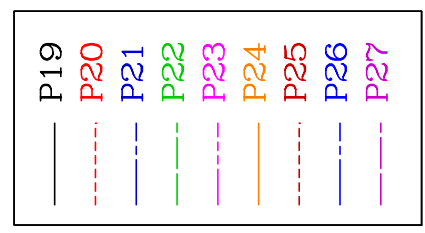
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31-Ga-79

MAT 3155

Elastic Legendre Coefficients

31-Ga-79



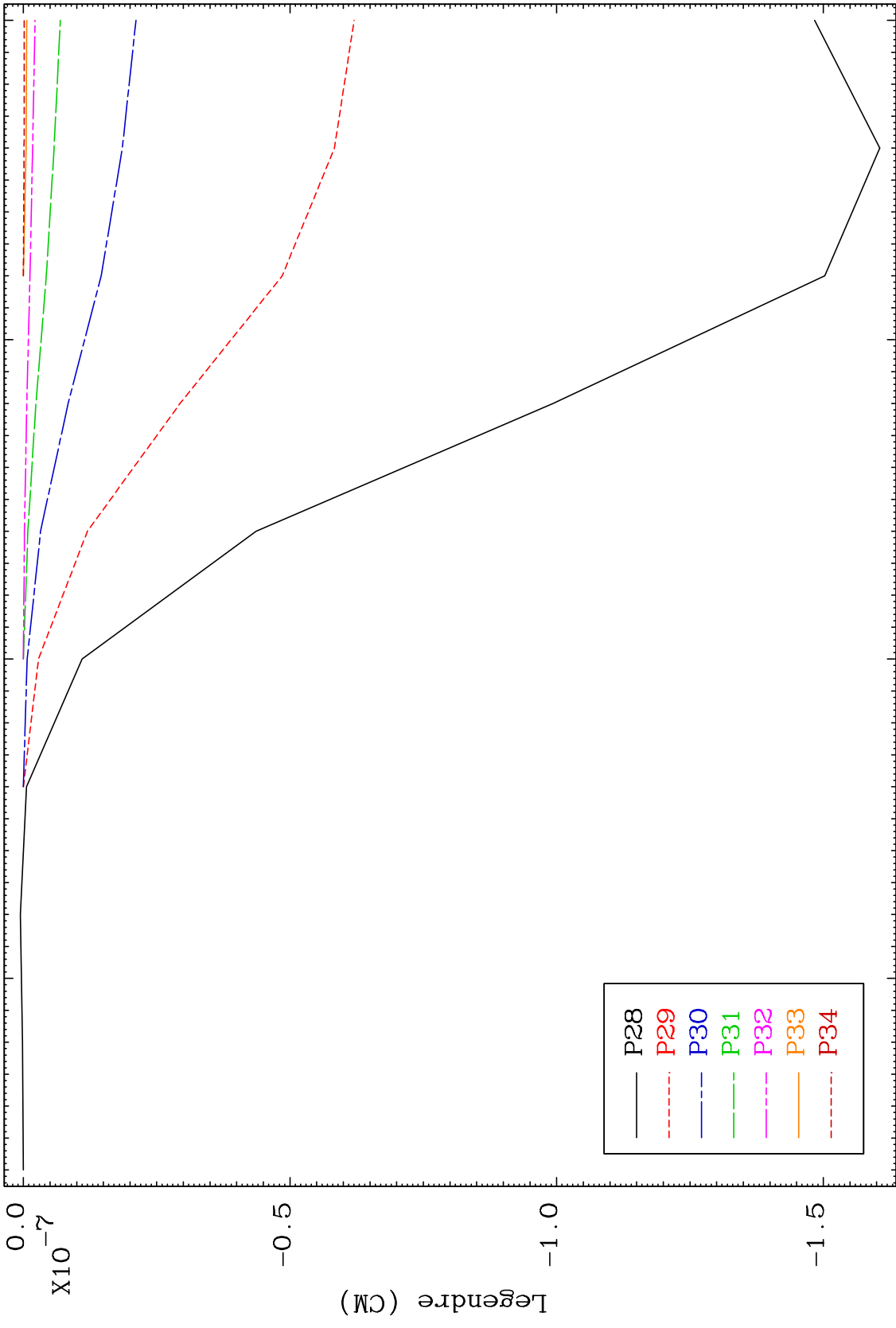
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31-Ga-79

MAT 3155

31-Ga-79

Elastic Legendre Coefficients



18

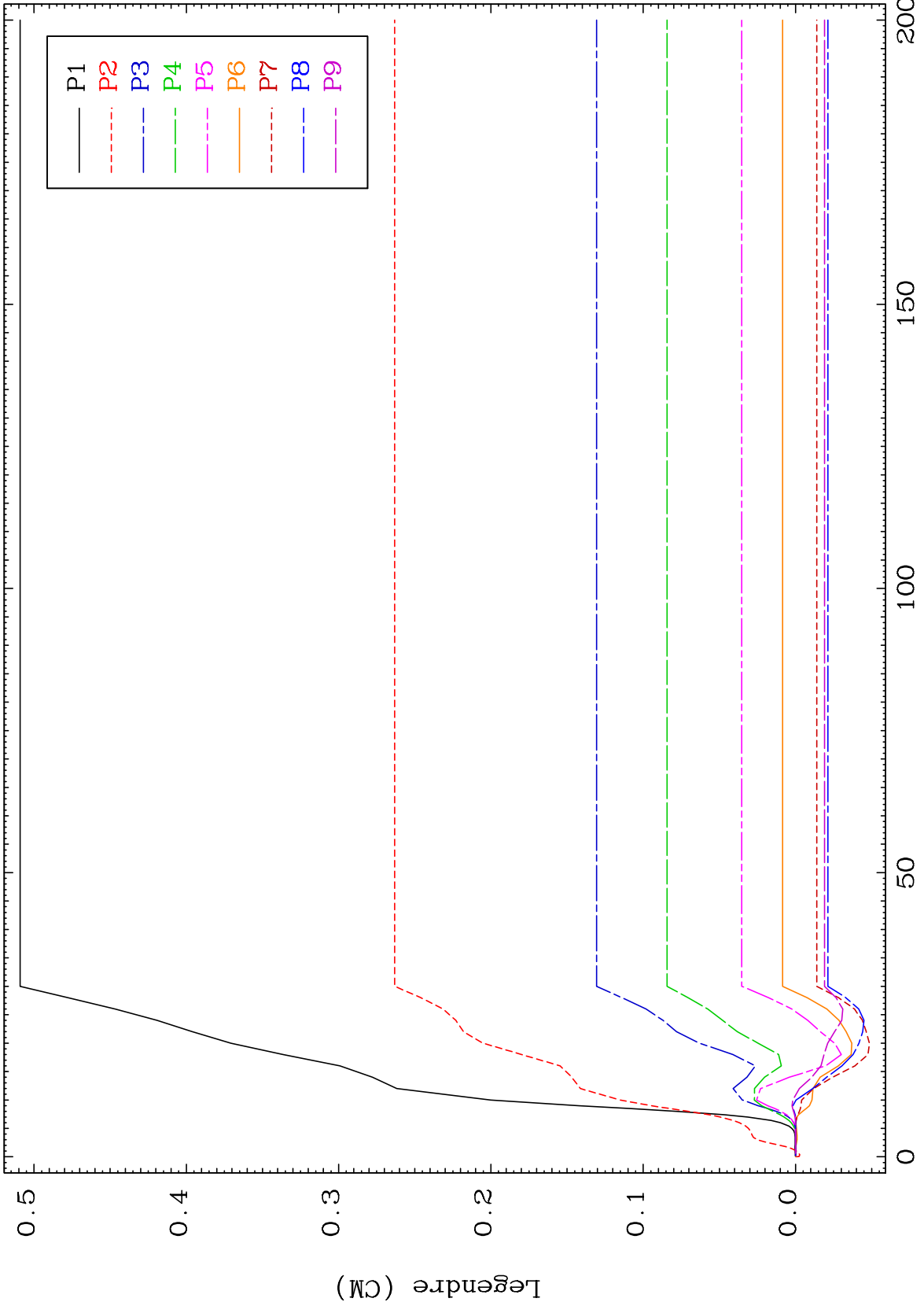
31-Ga-79

Incident Energy (MeV)

MAT 3155

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

31-Ga-79



19

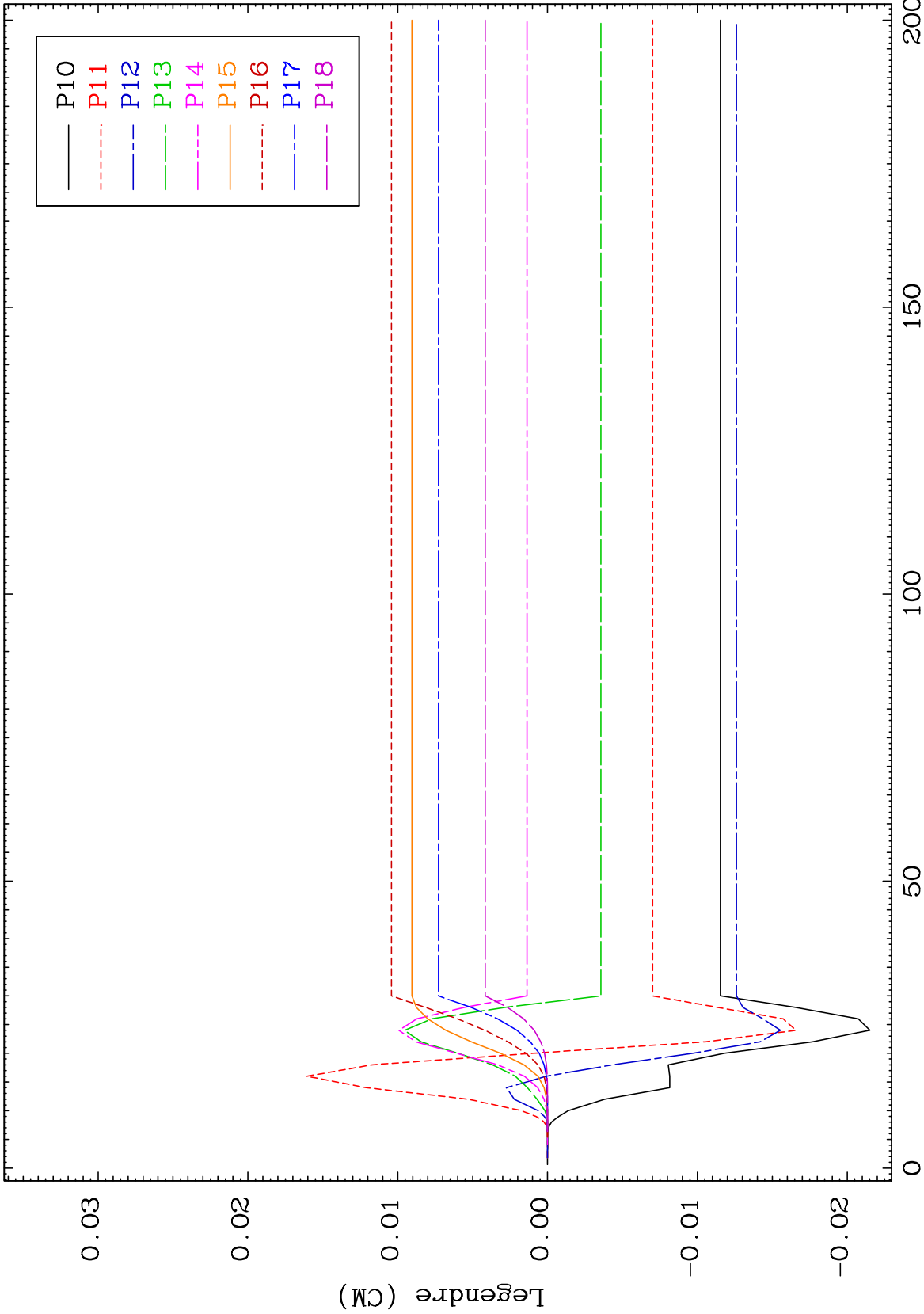
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



0

50

100

150

200

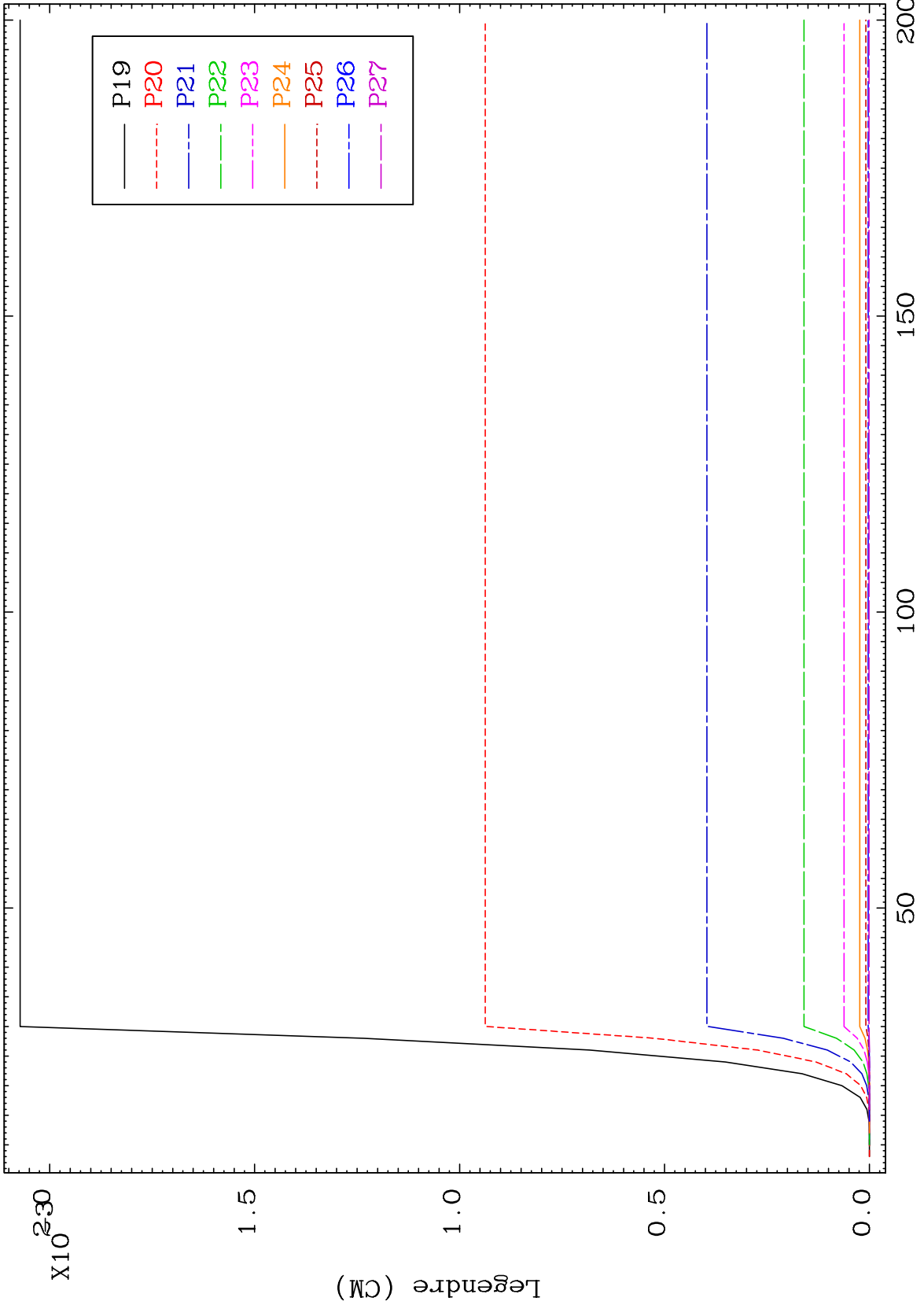
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



21

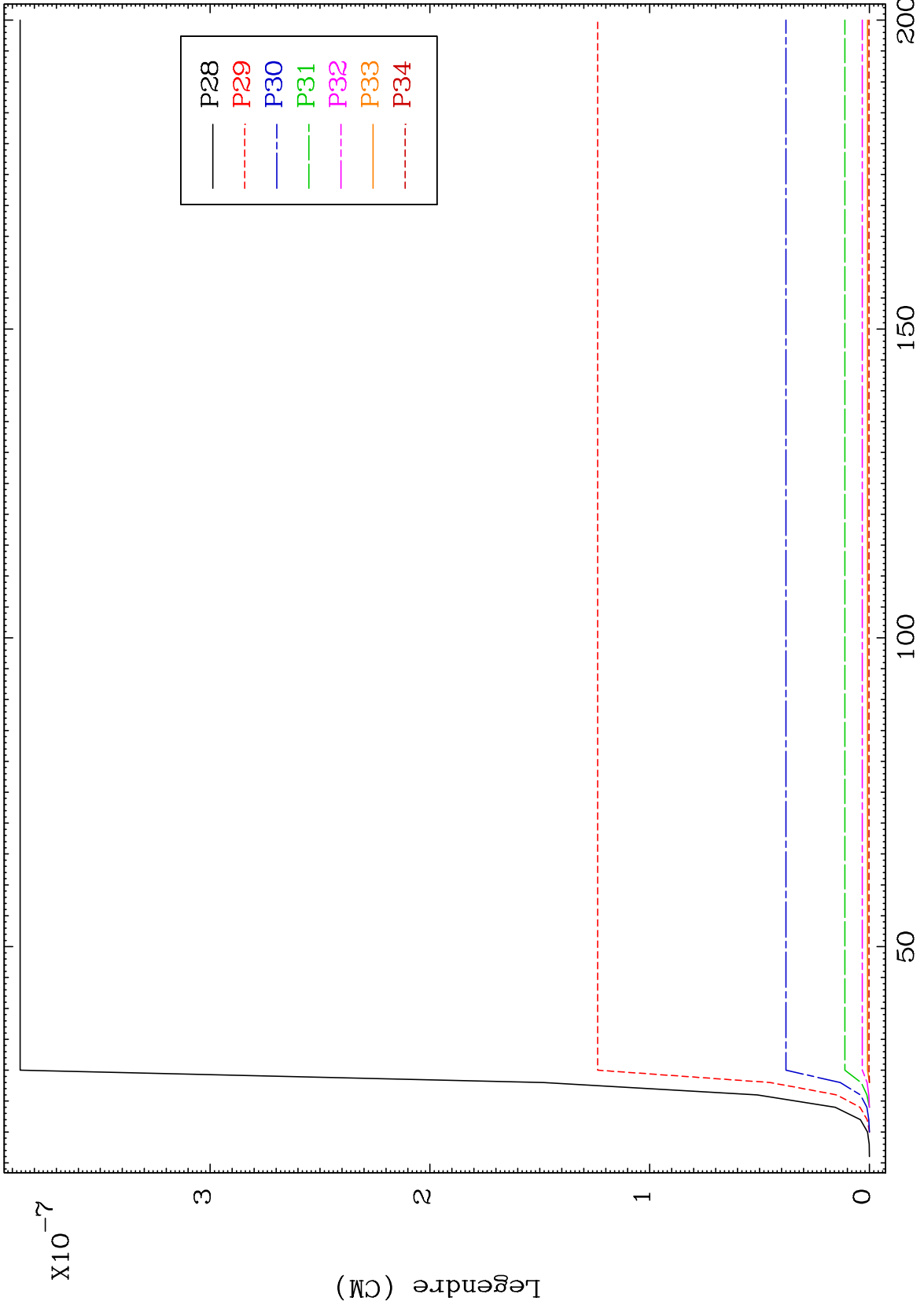
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



22

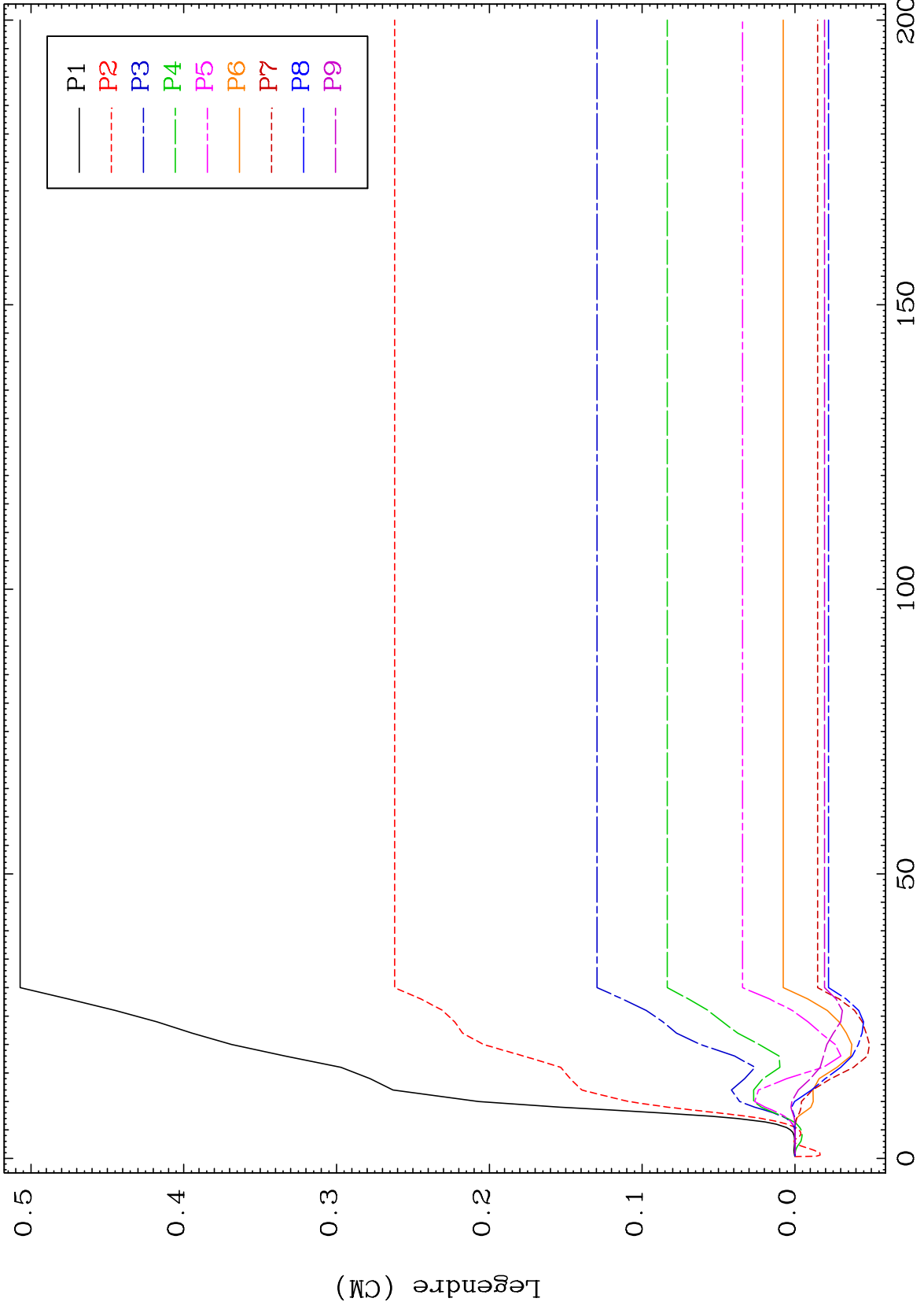
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



23

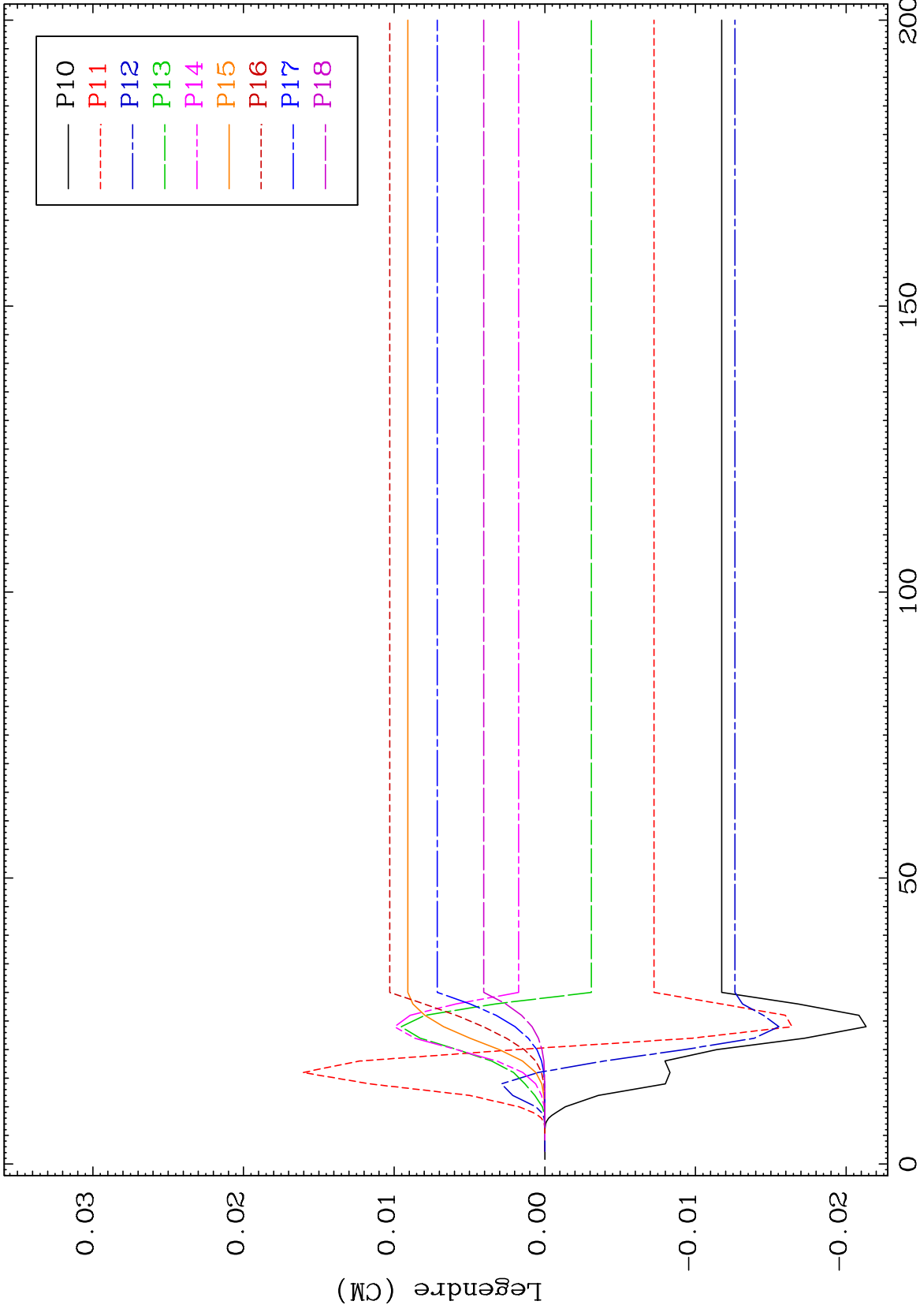
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



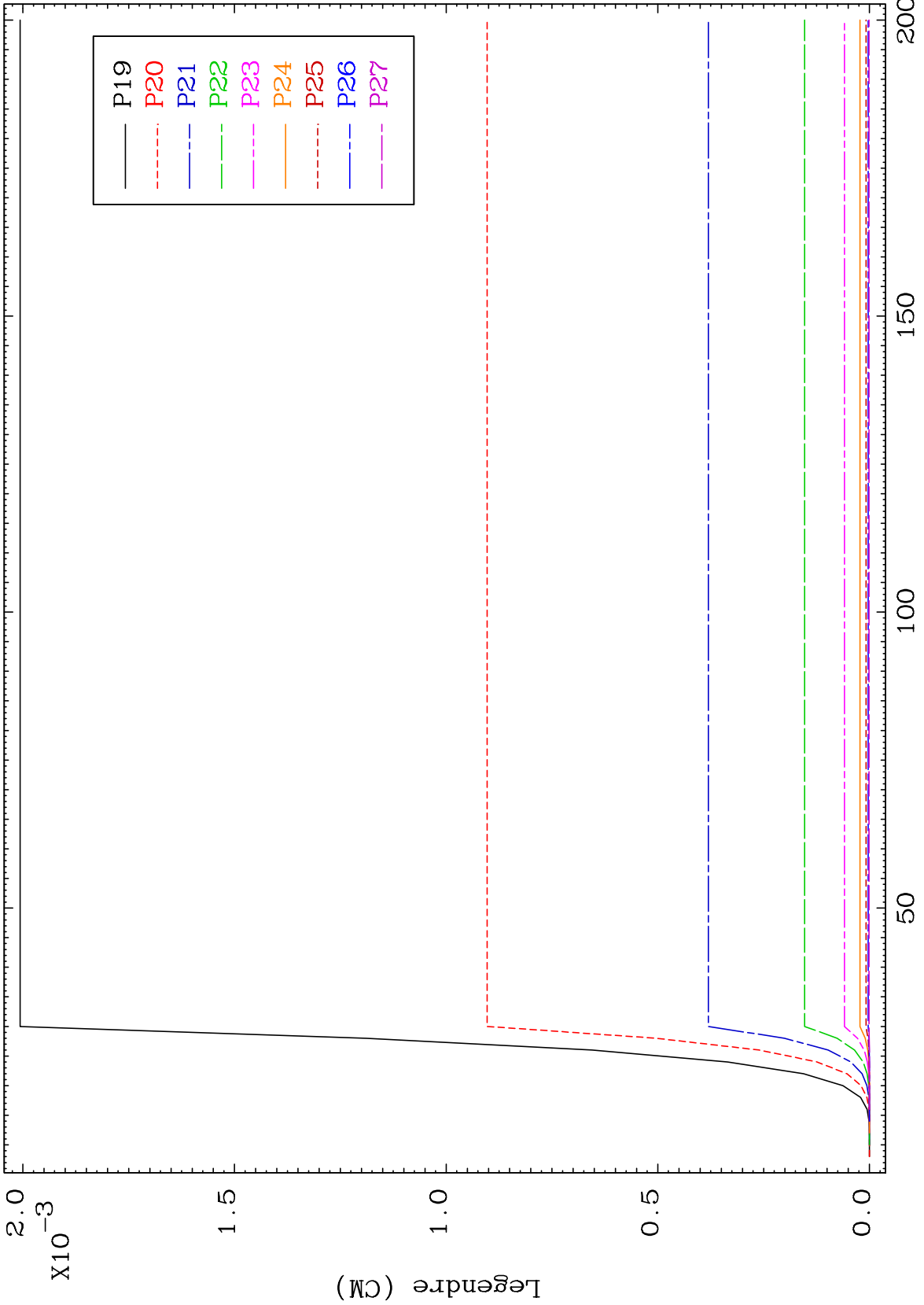
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31-Ga-79

MAT 3155

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

31-Ga-79



25

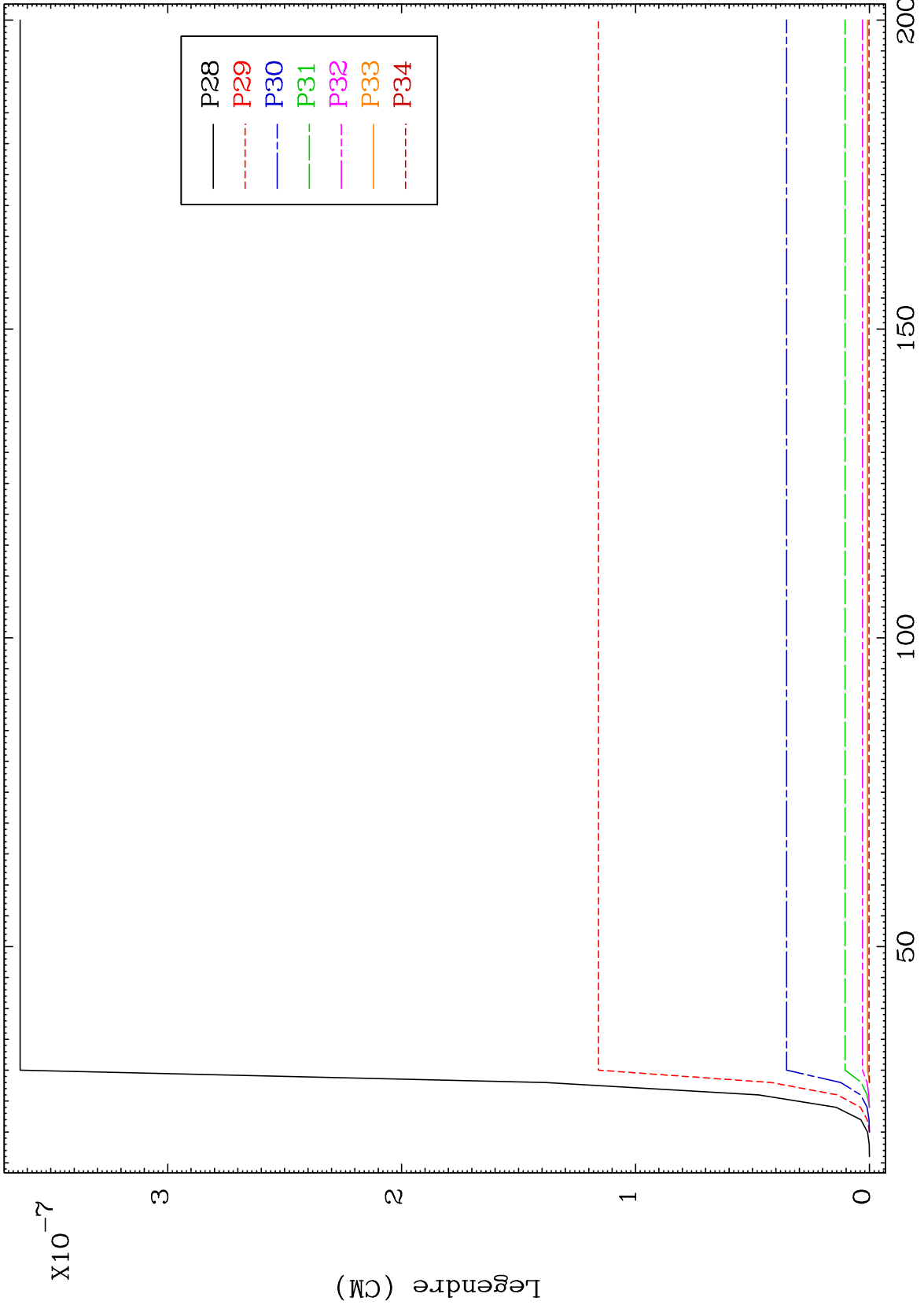
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



26

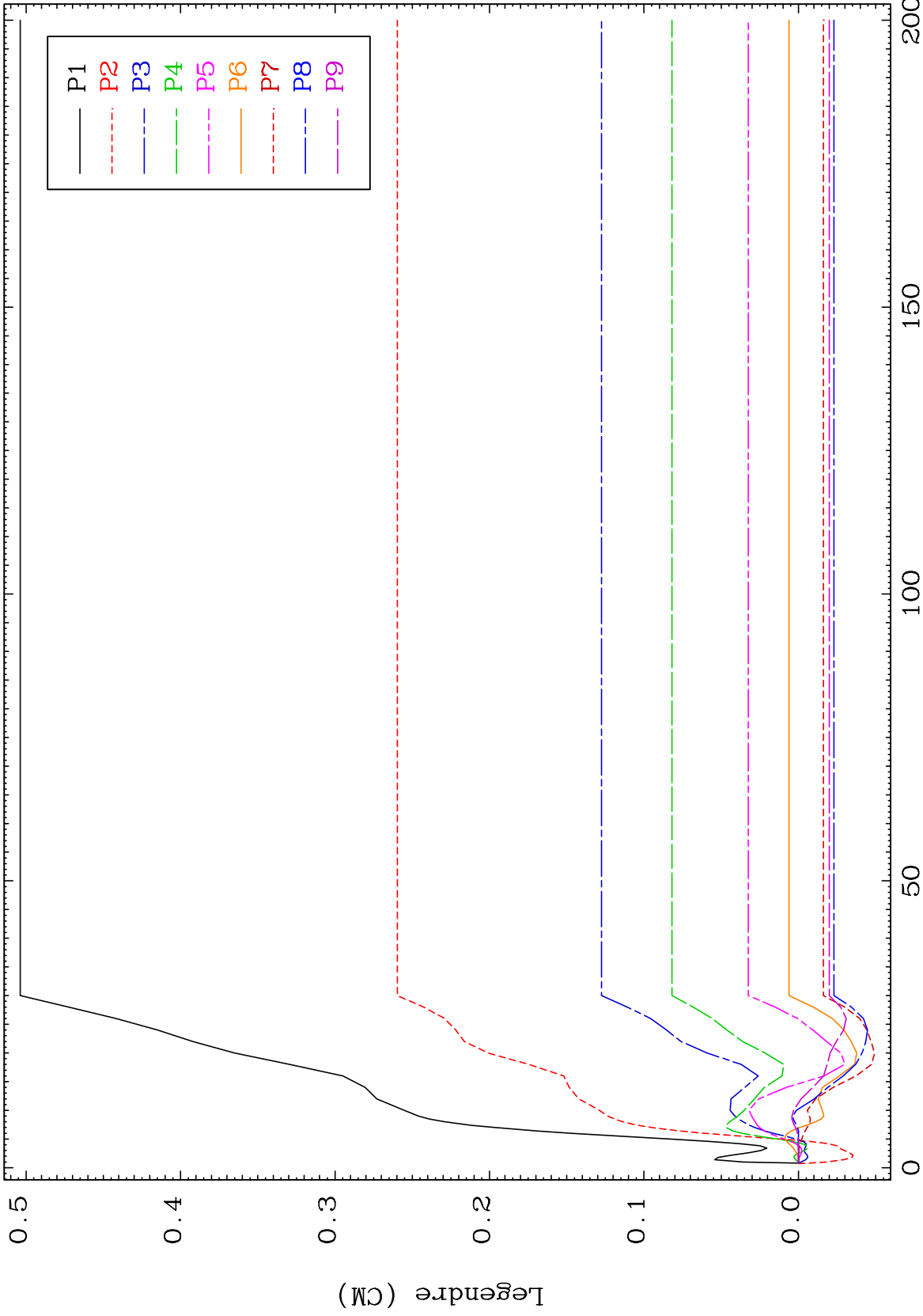
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



27

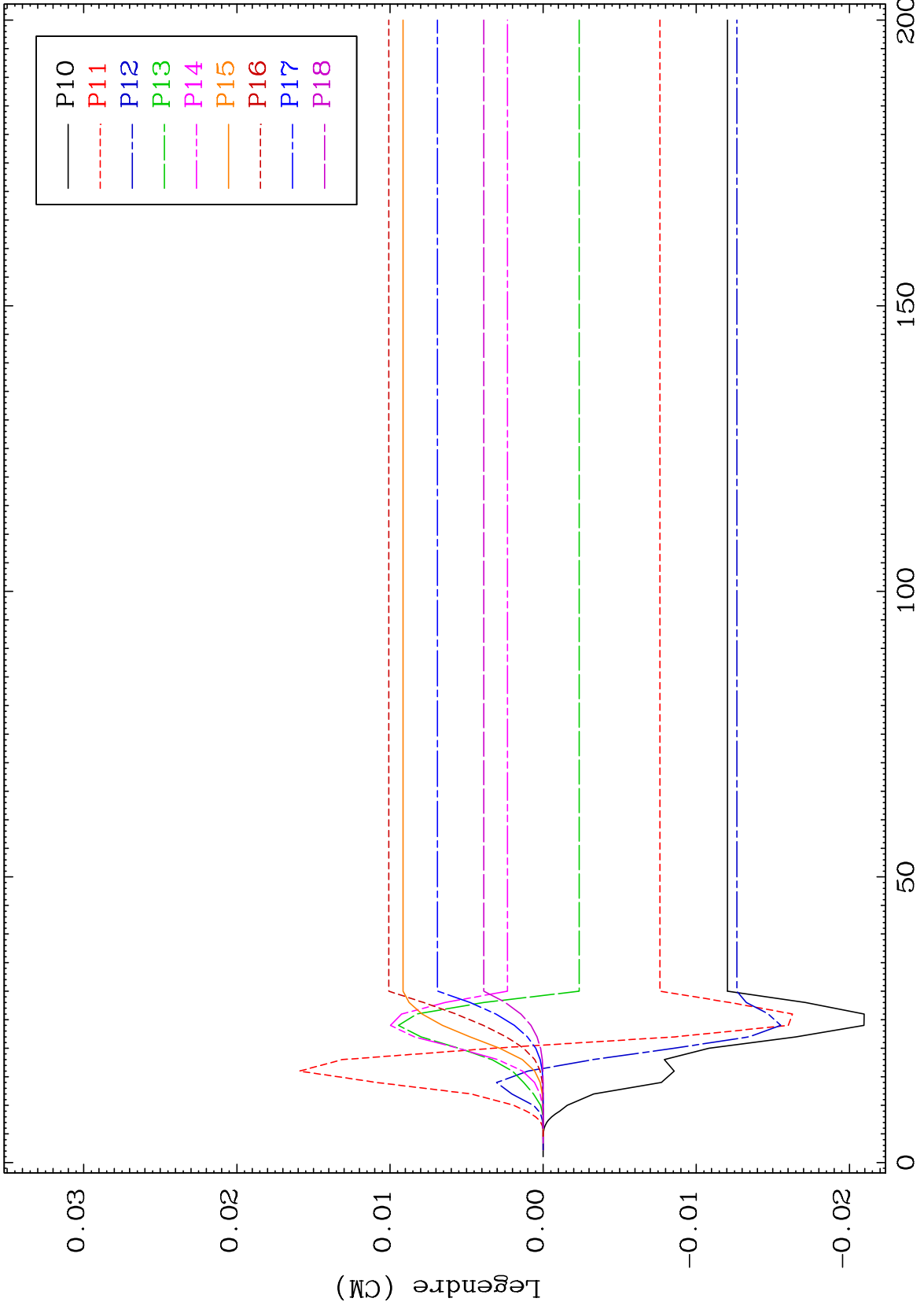
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



28

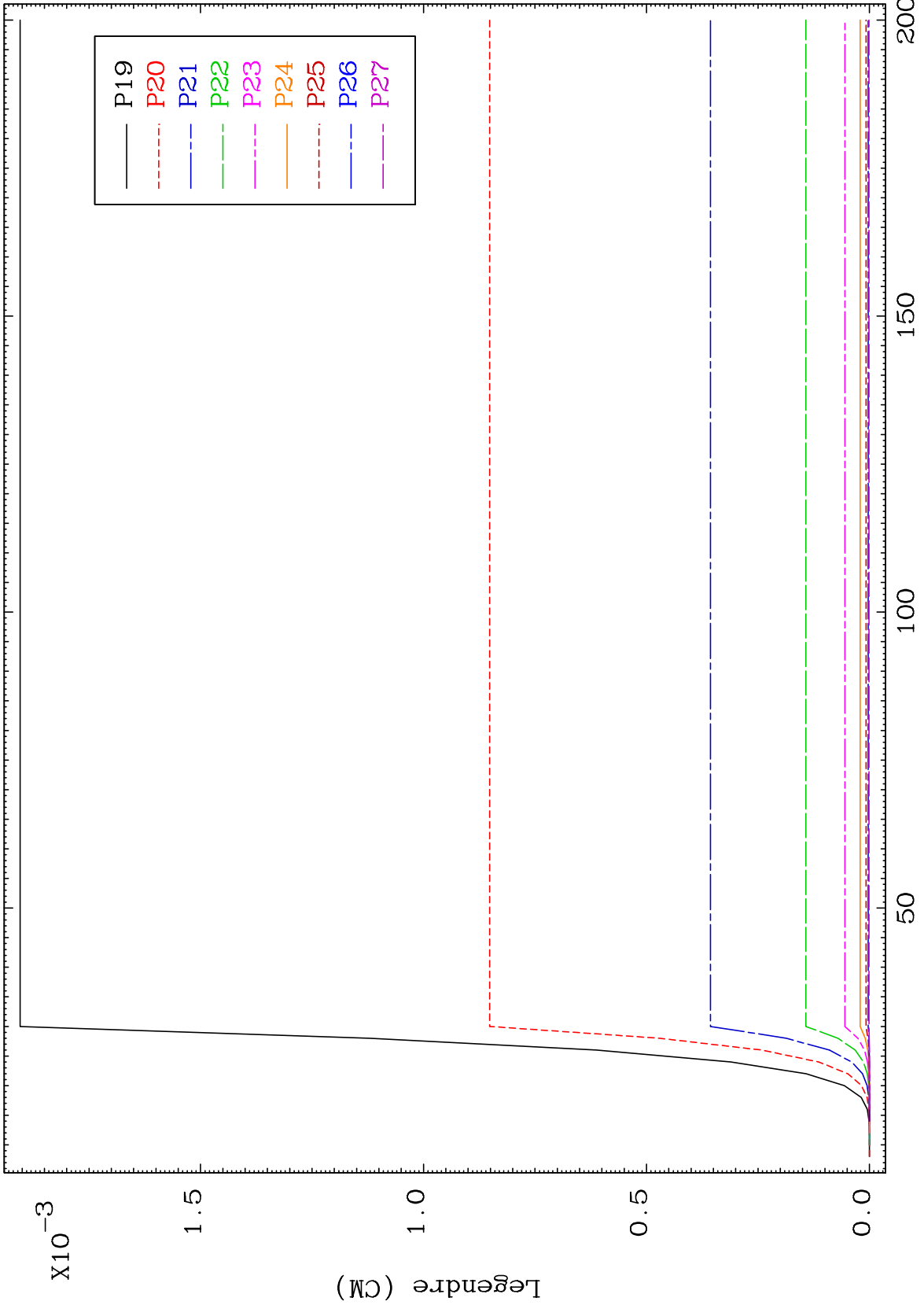
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



29

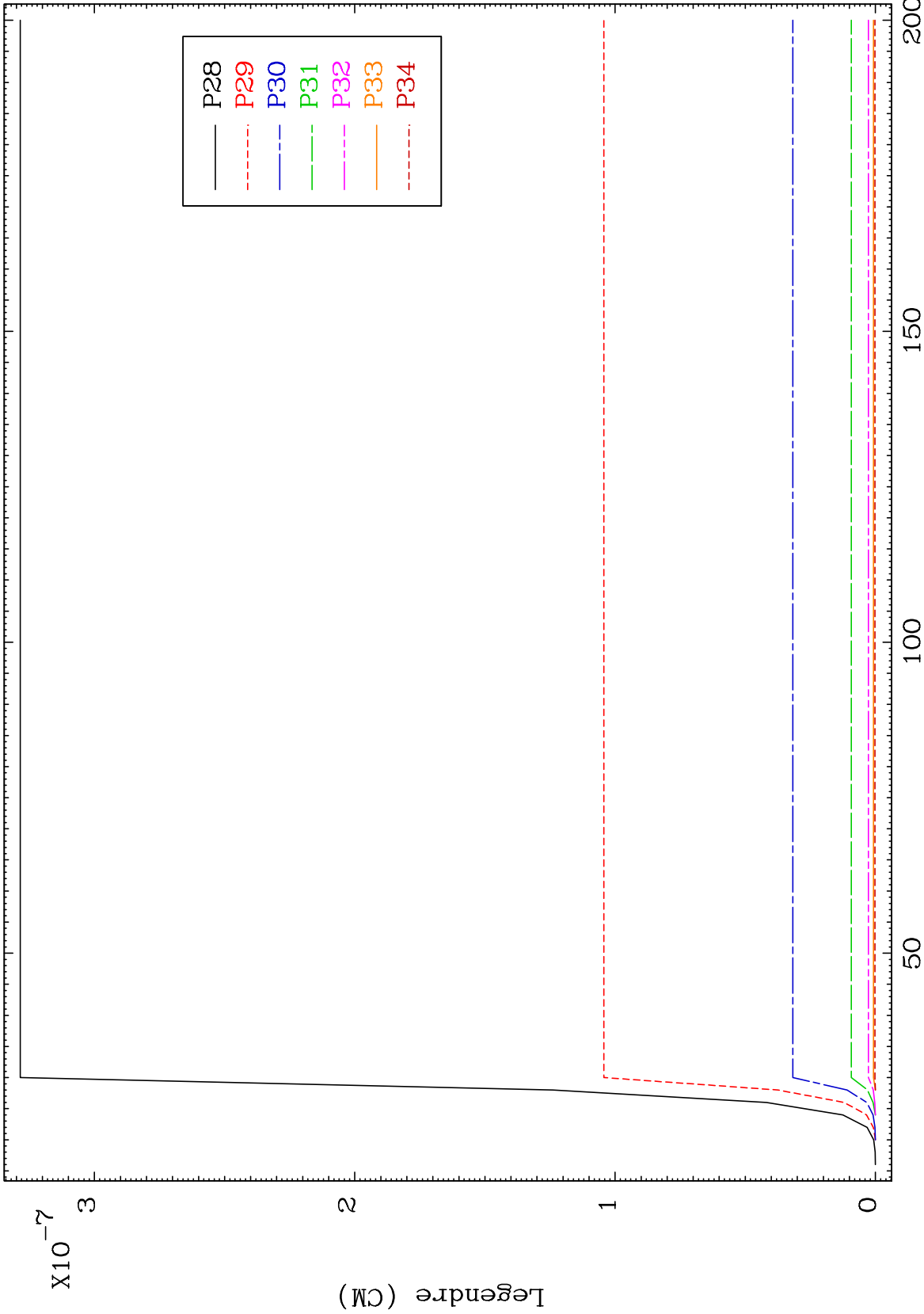
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



30

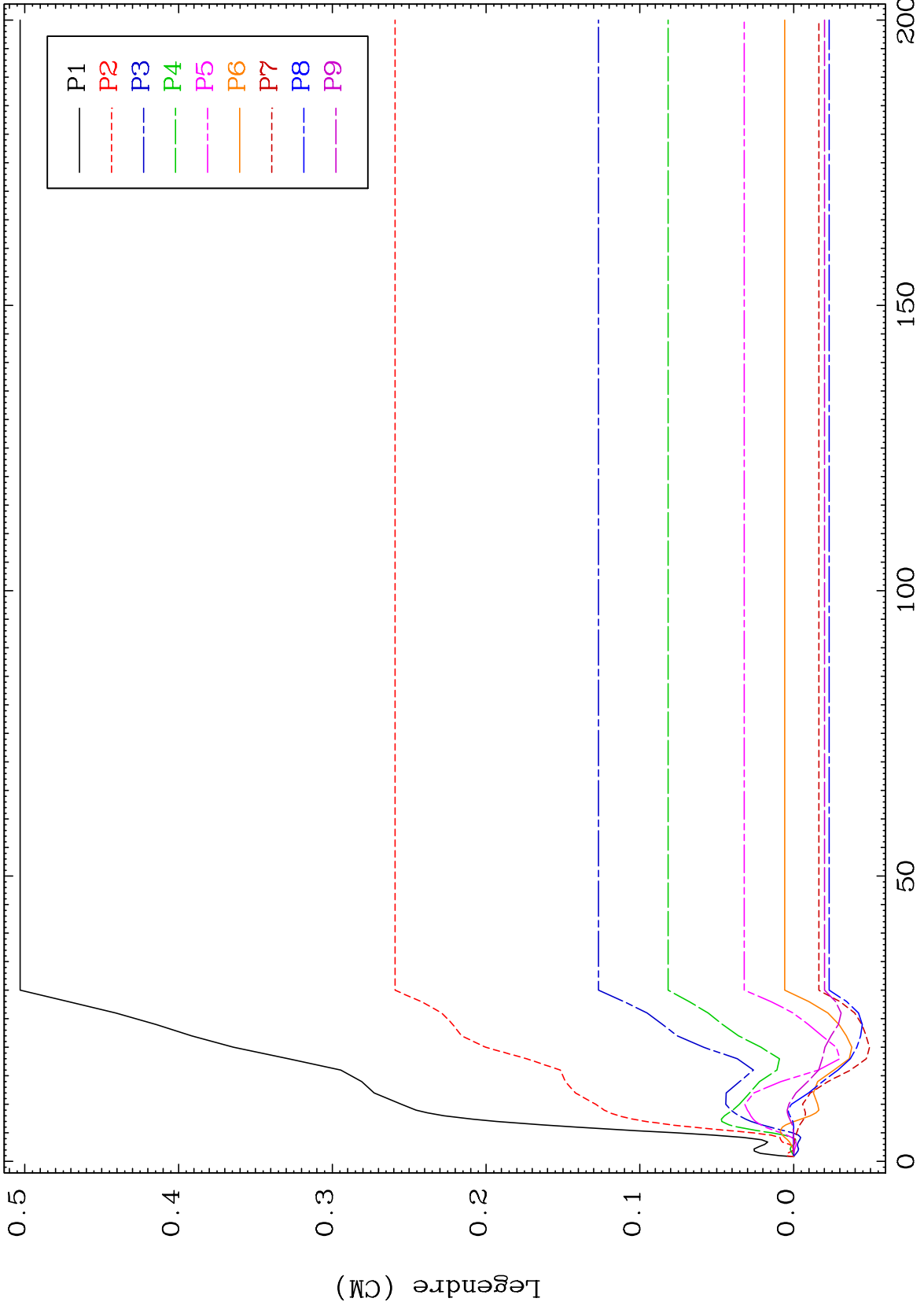
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



31

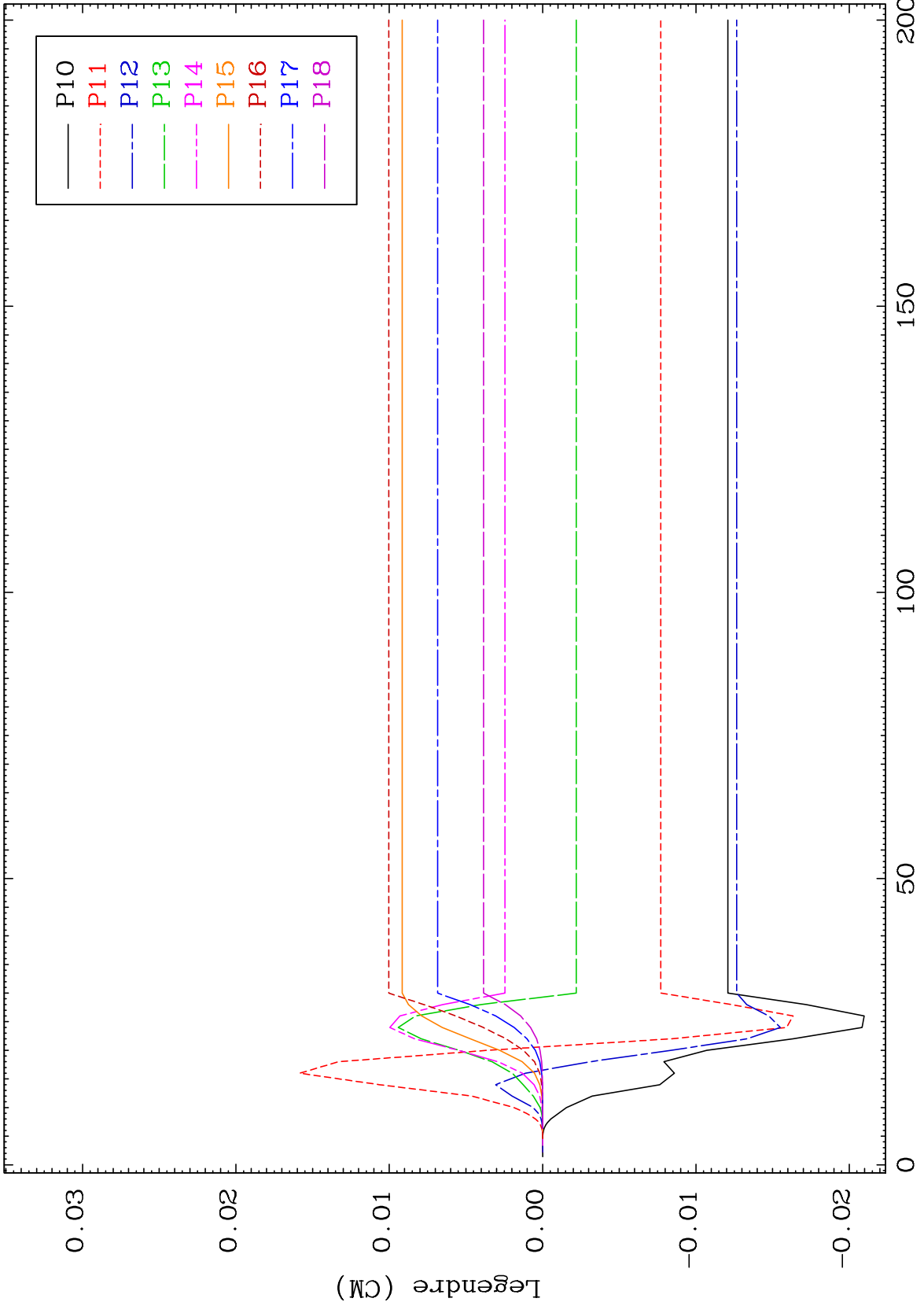
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



32

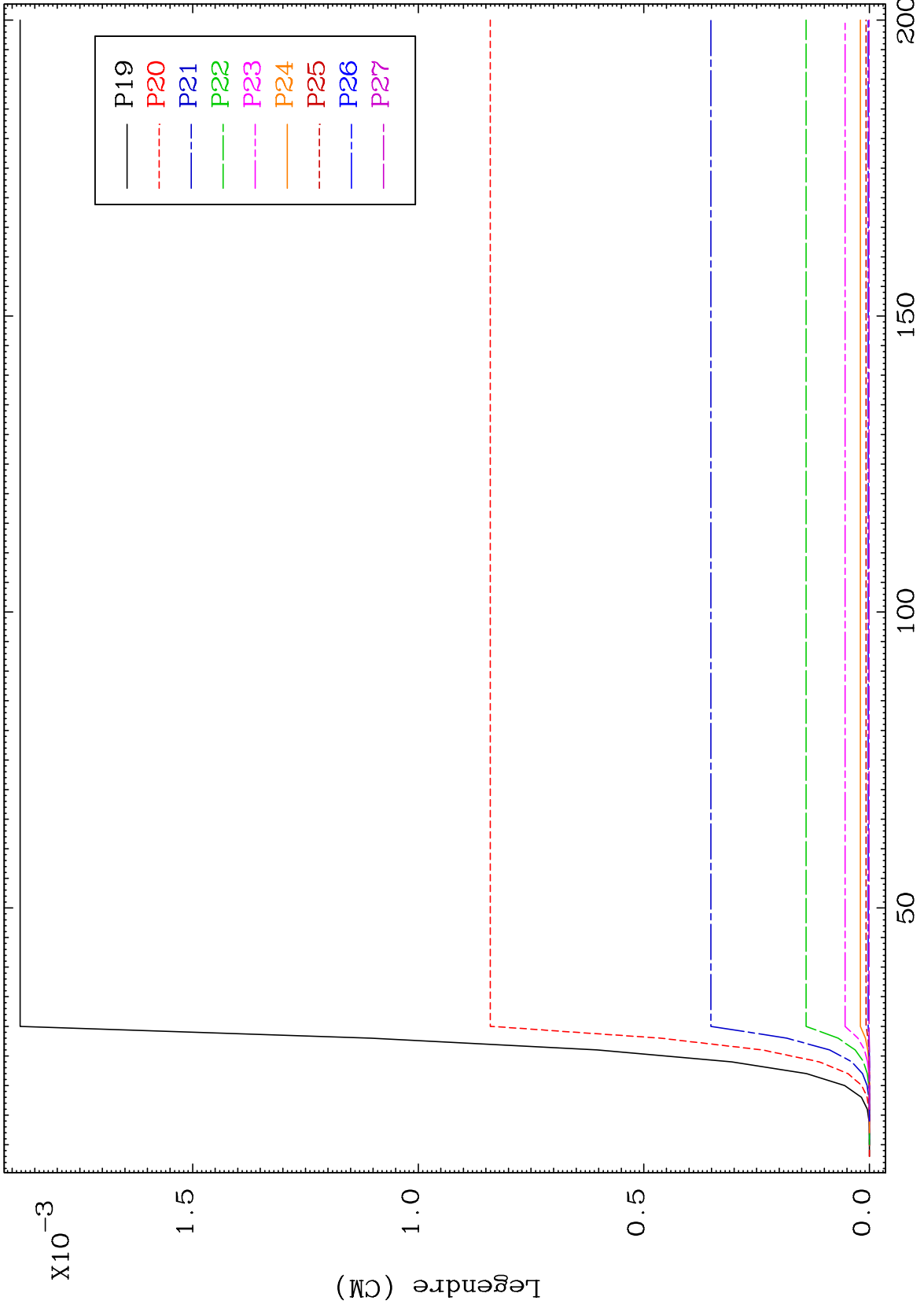
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



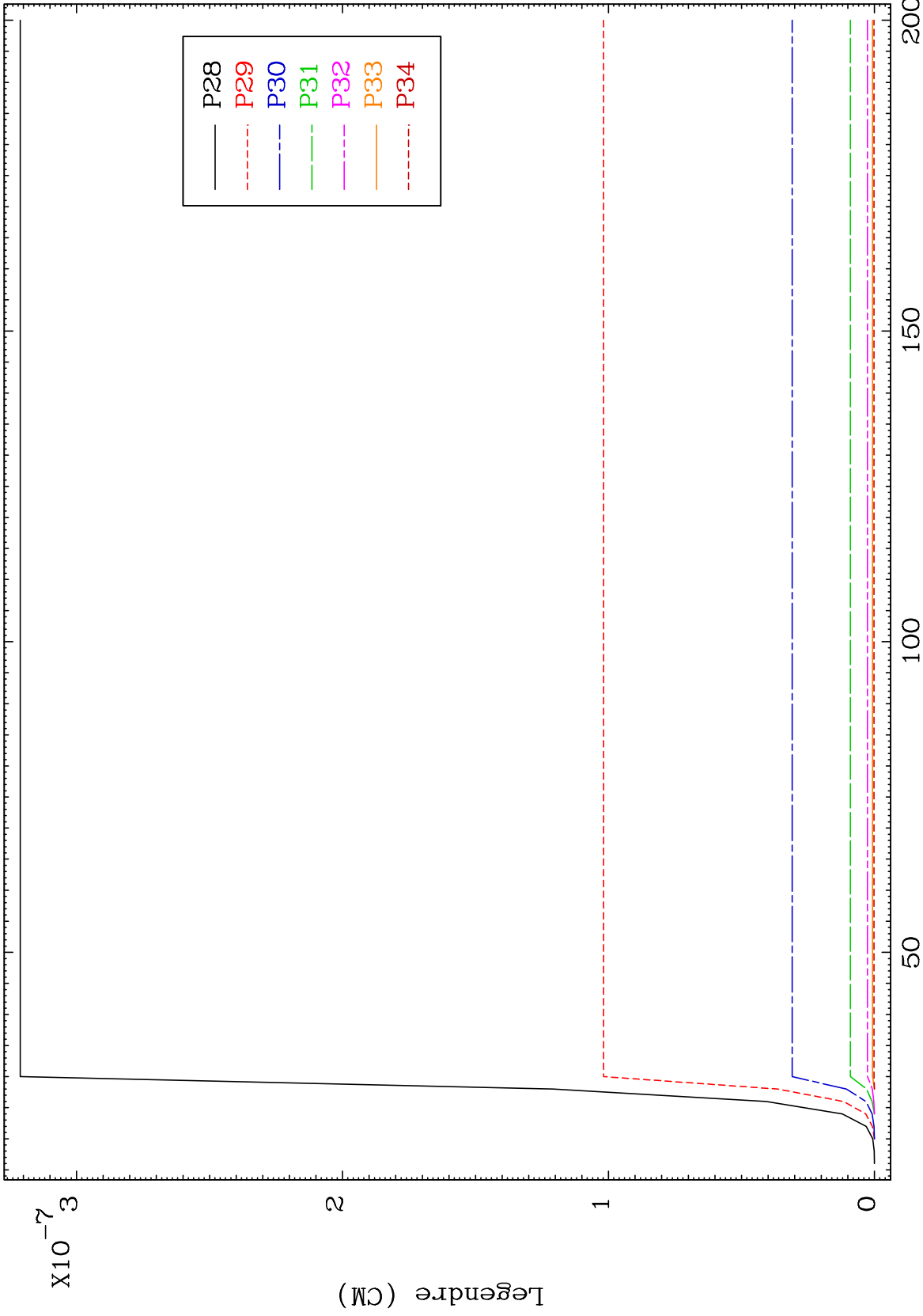
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31-Ga-79

MAT 3155

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

31-Ga-79



34

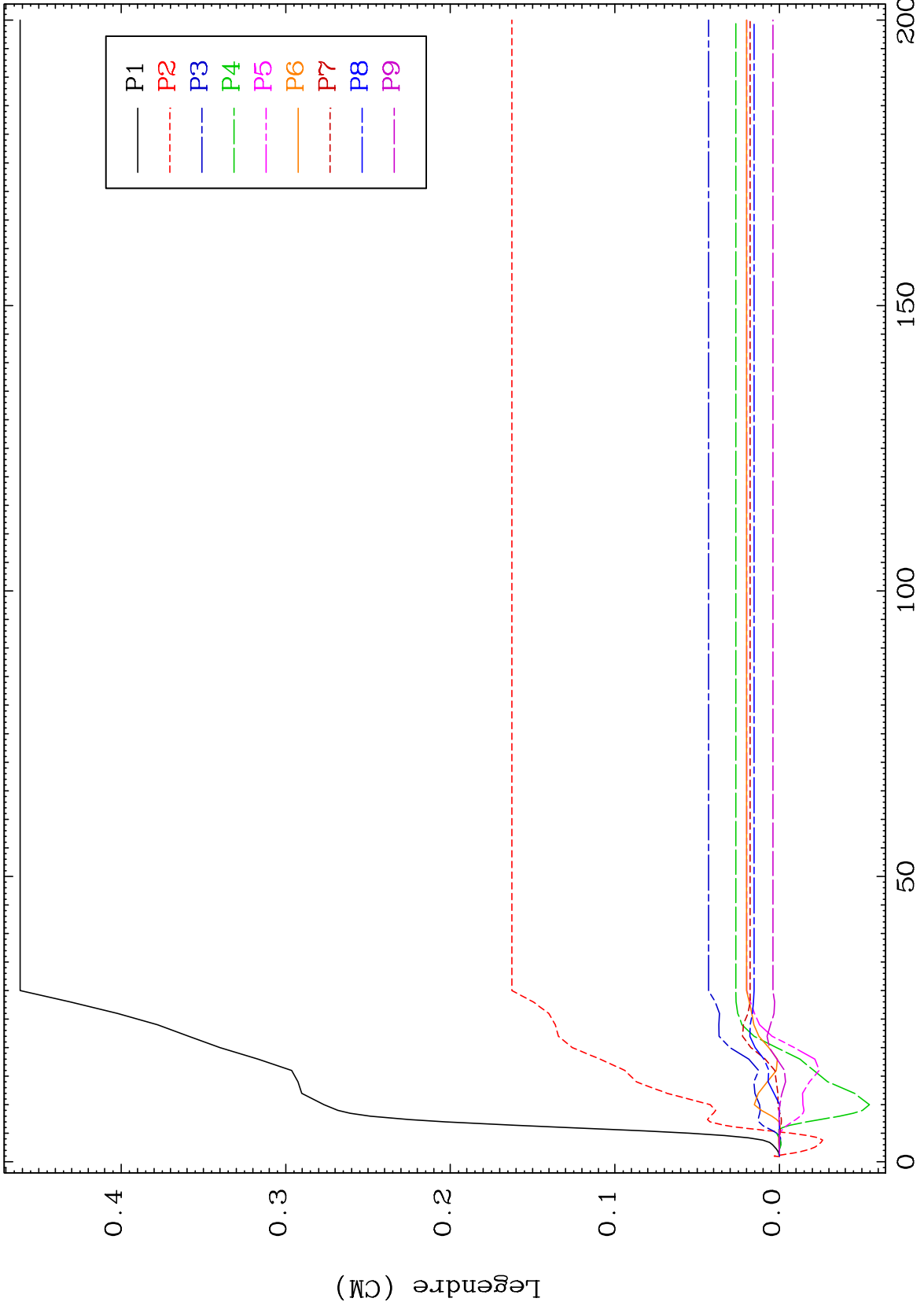
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

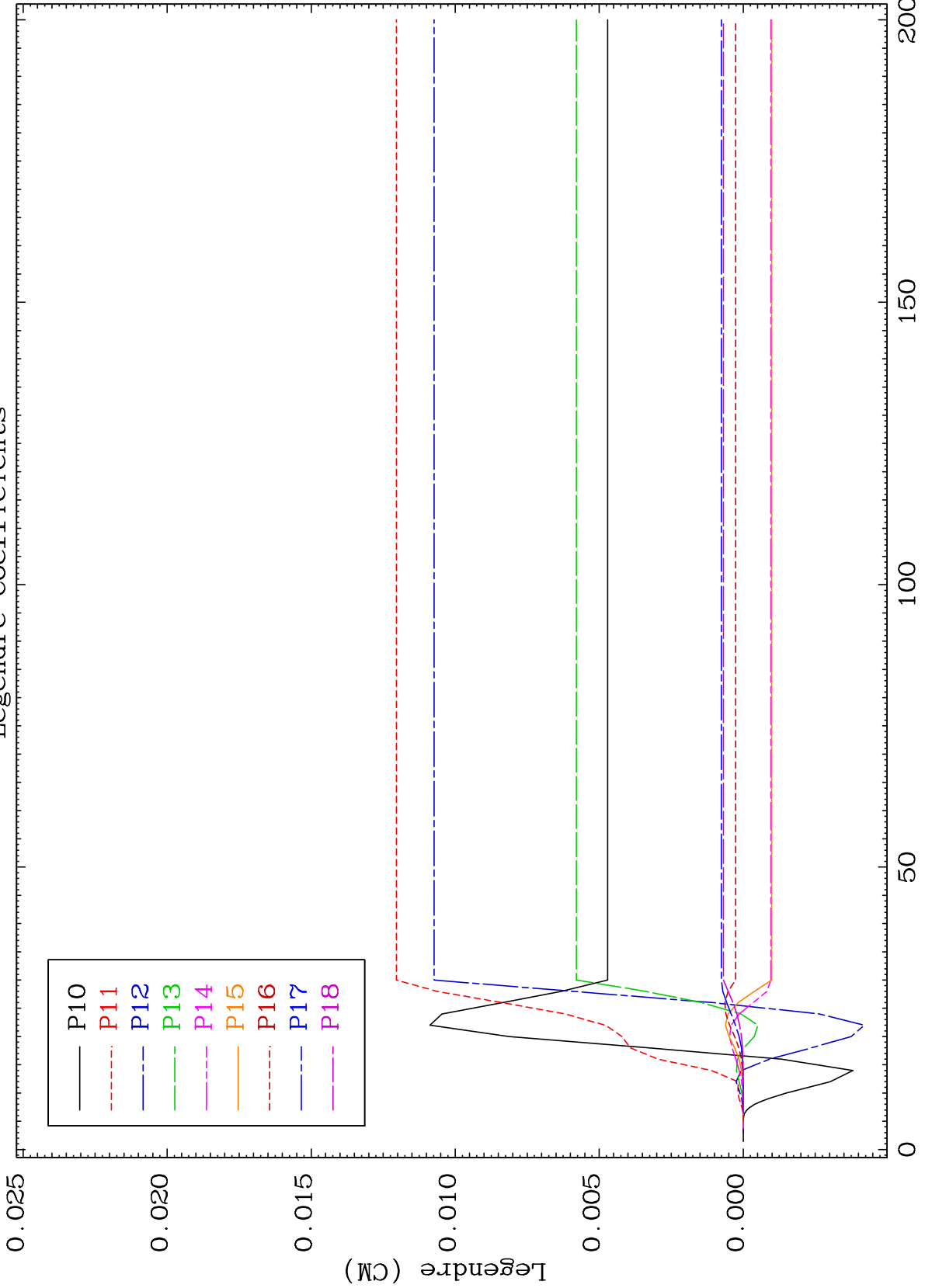
31-Ga-79



35

Incident Energy (MeV)

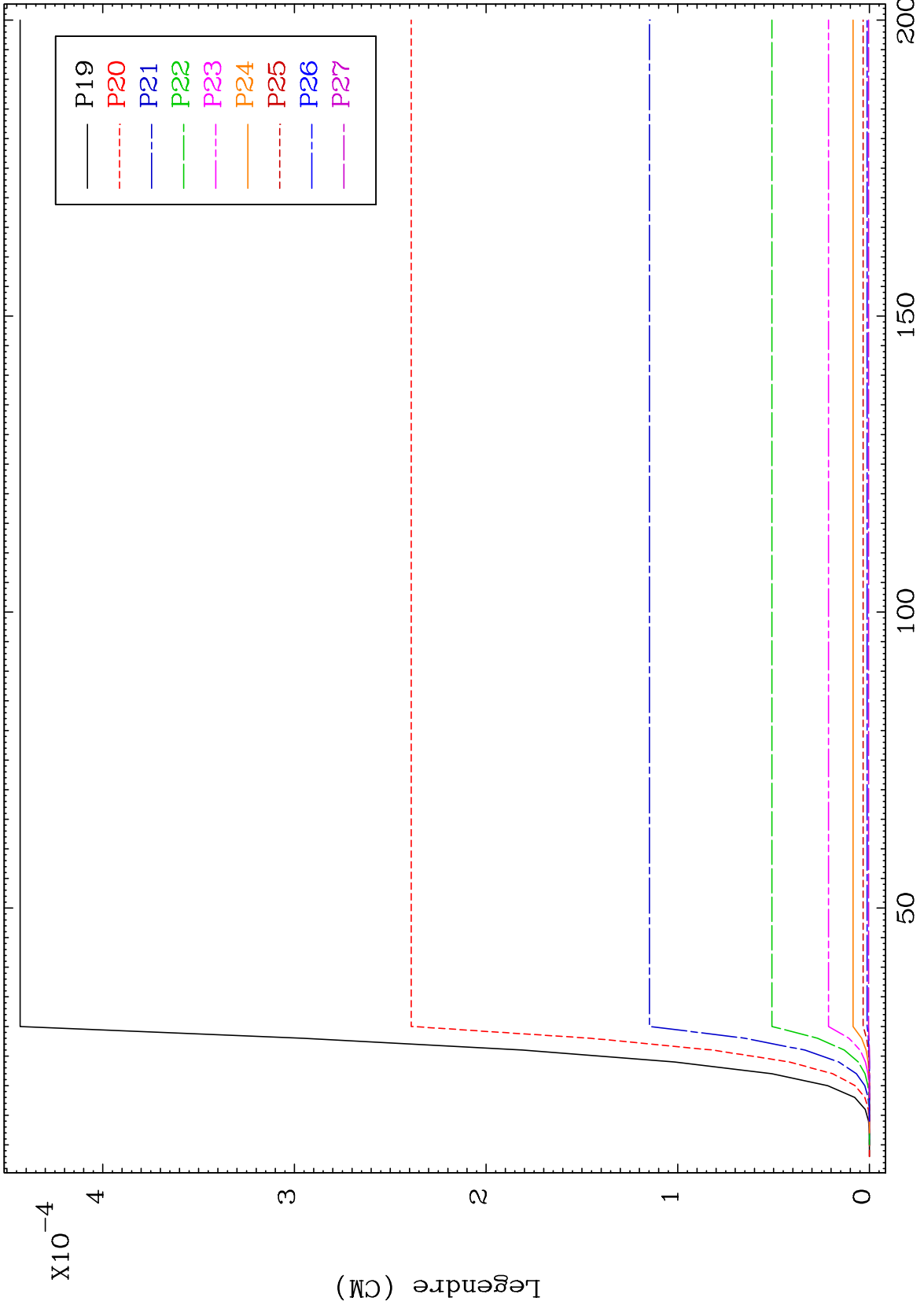
31-Ga-79



MAT 3155

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

31-Ga-79



37

Incident Energy (MeV)

31-Ga-79

200

150

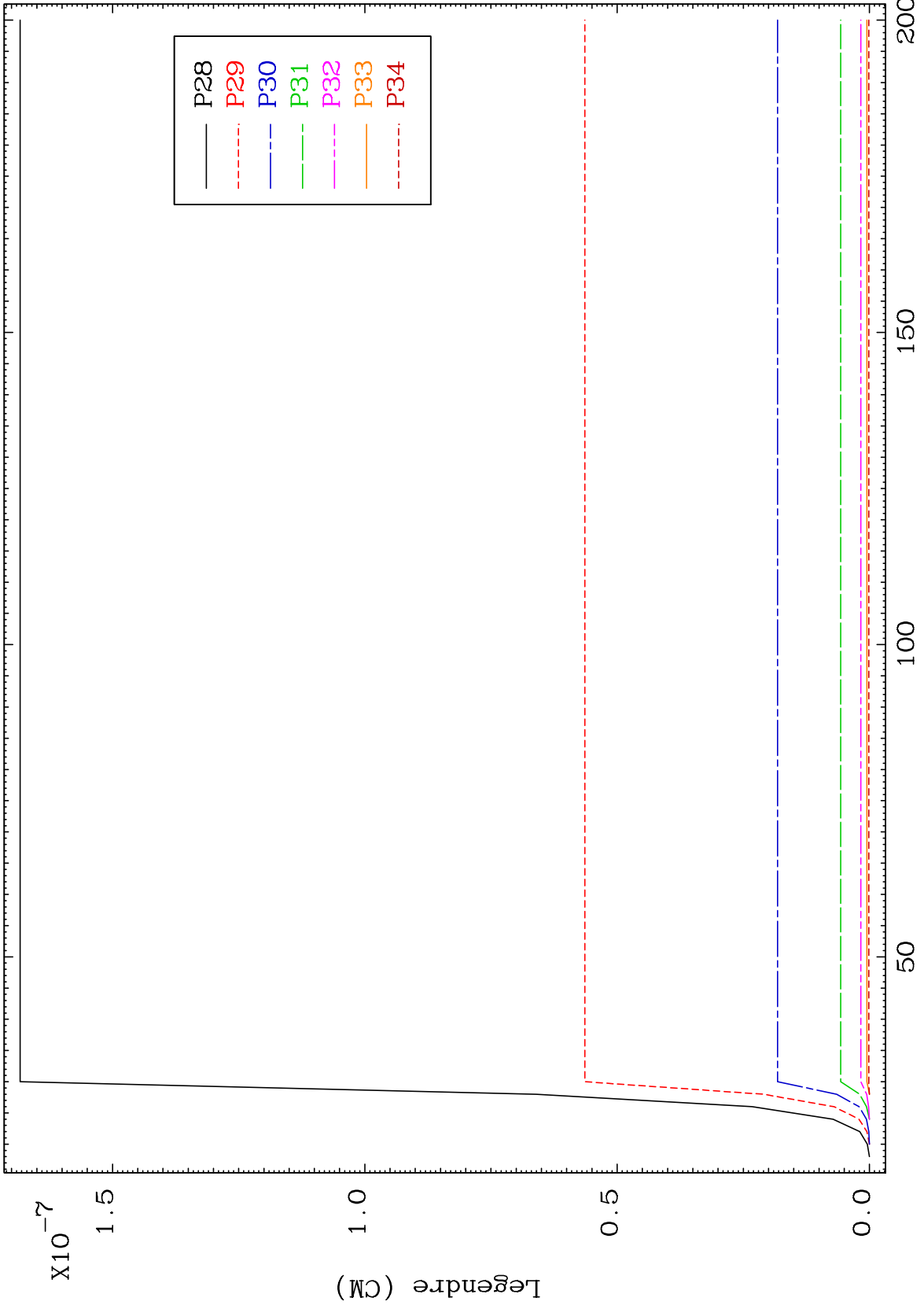
100

50

MAT 3155

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

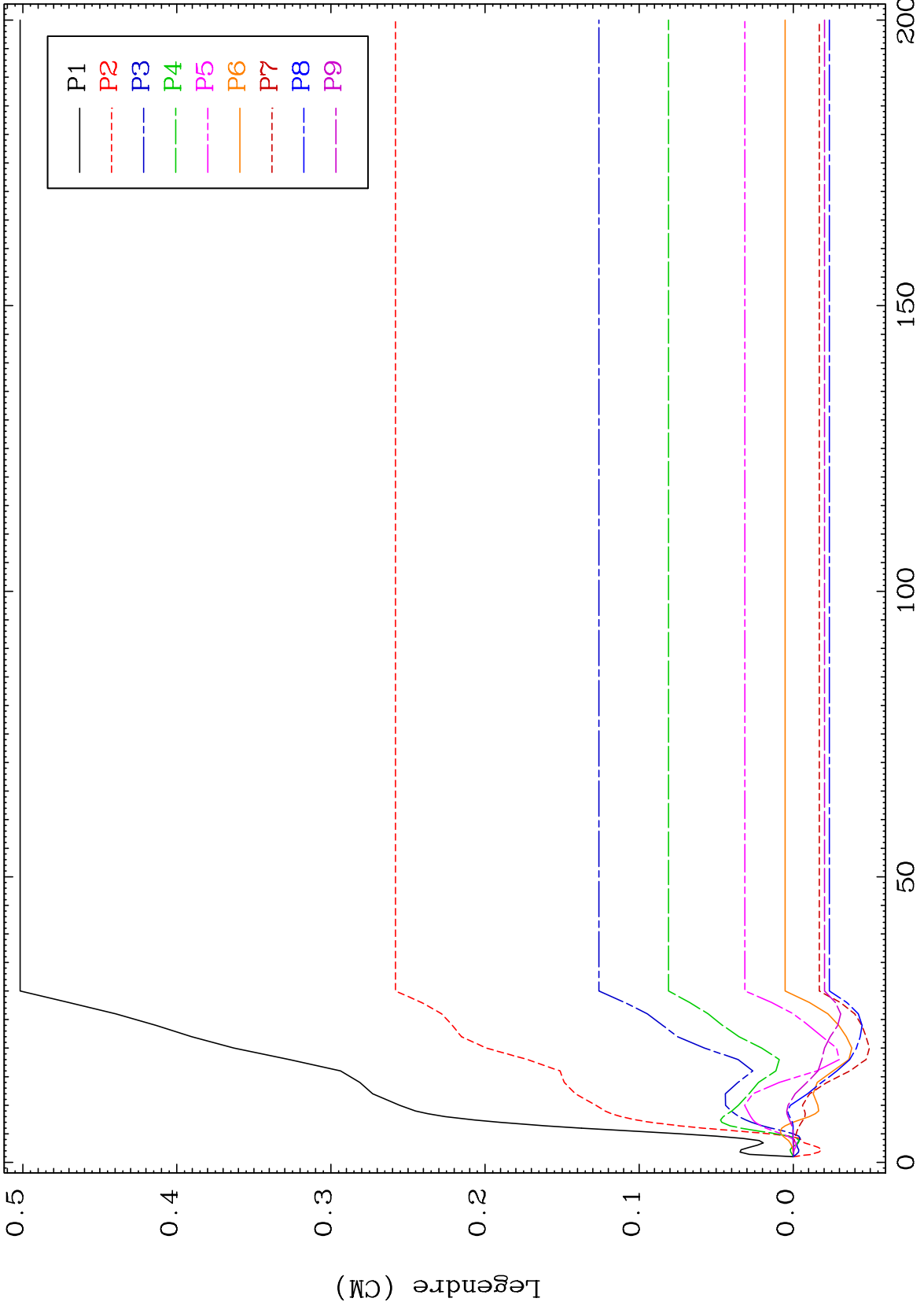
31-Ga-79



38

Incident Energy (MeV)

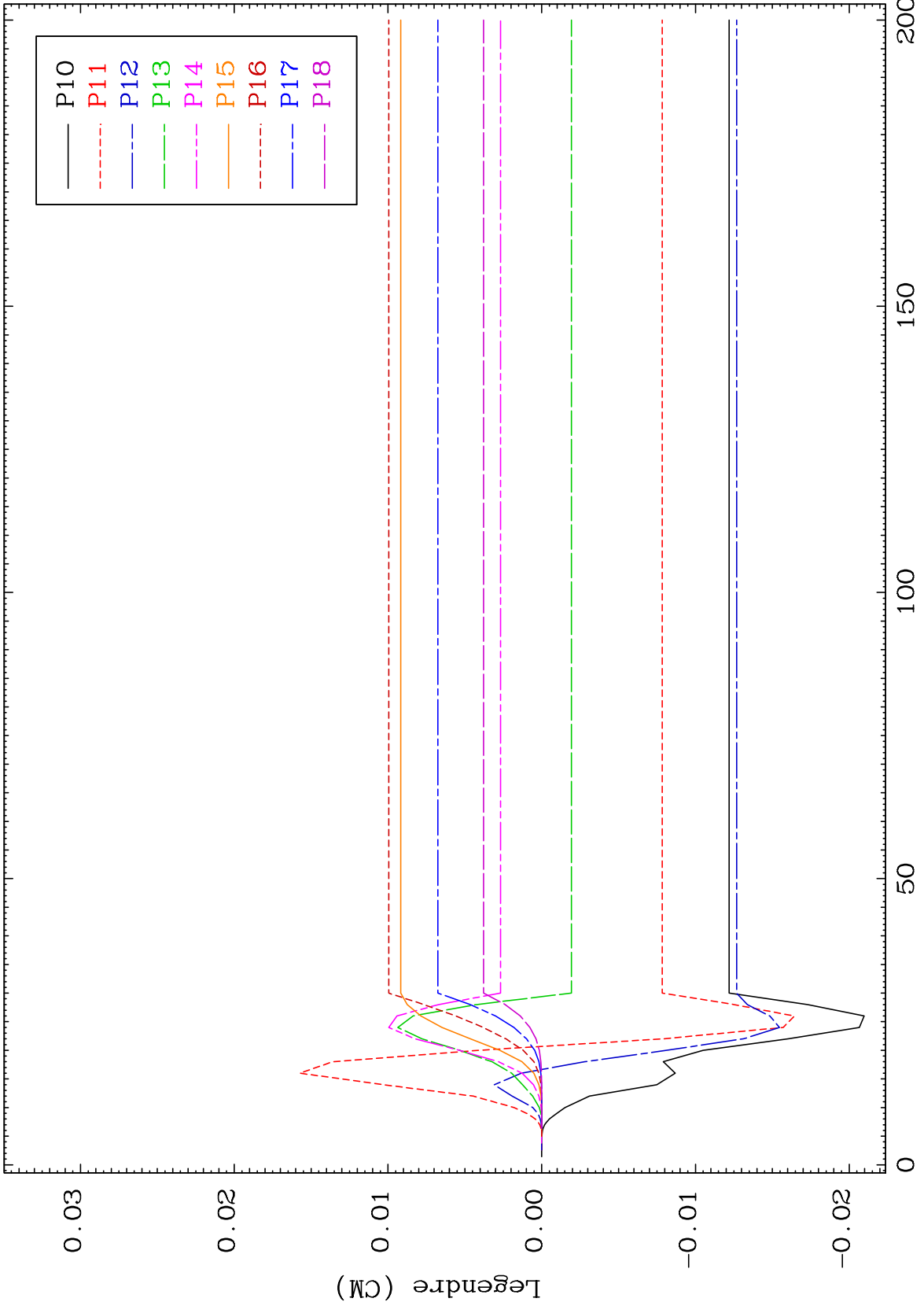
31-Ga-79



MAT 3155

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

31-Ga-79



40

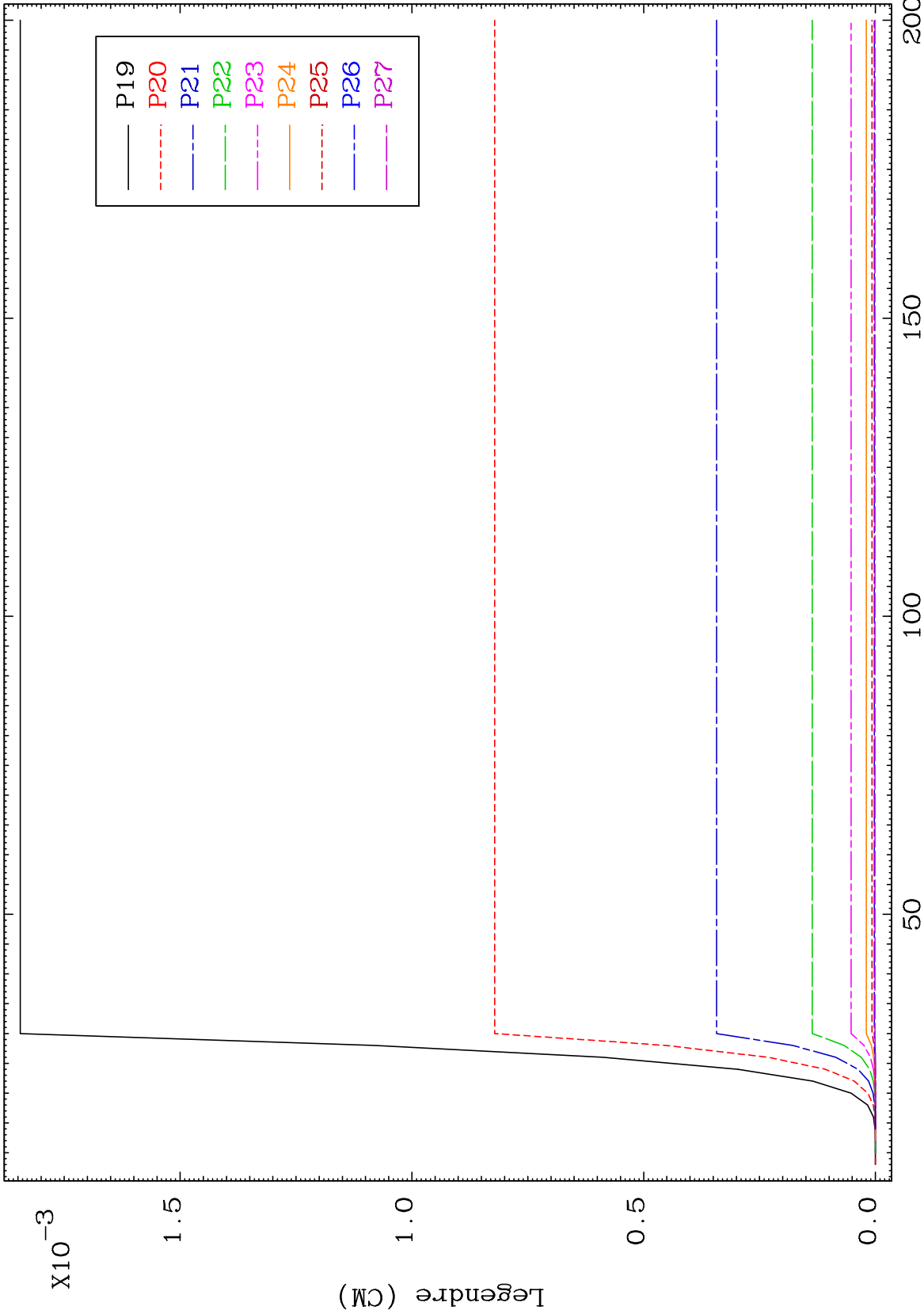
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



41

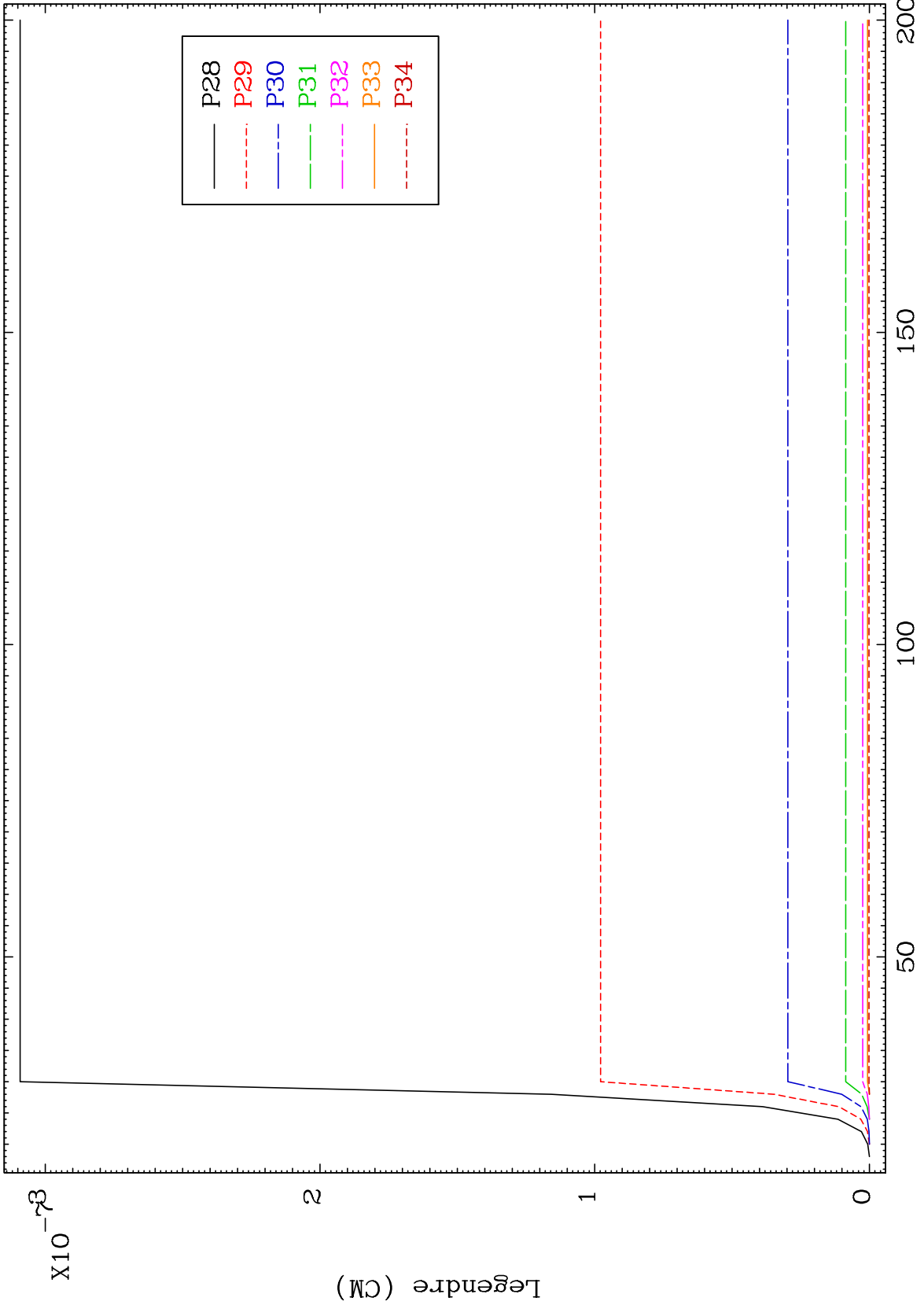
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



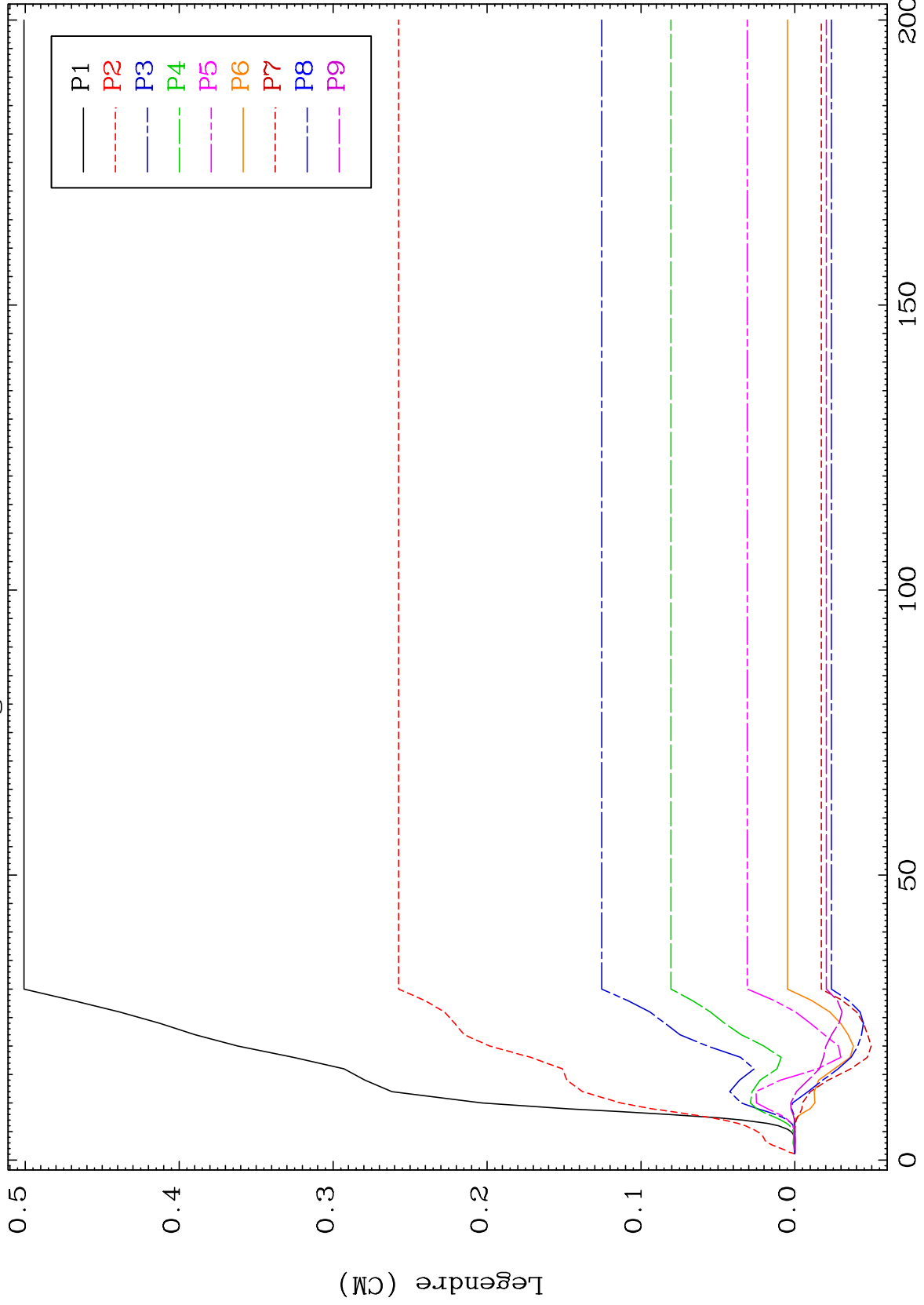
42

31-Ga-79

MAT 3155

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

31-Ga-79



43

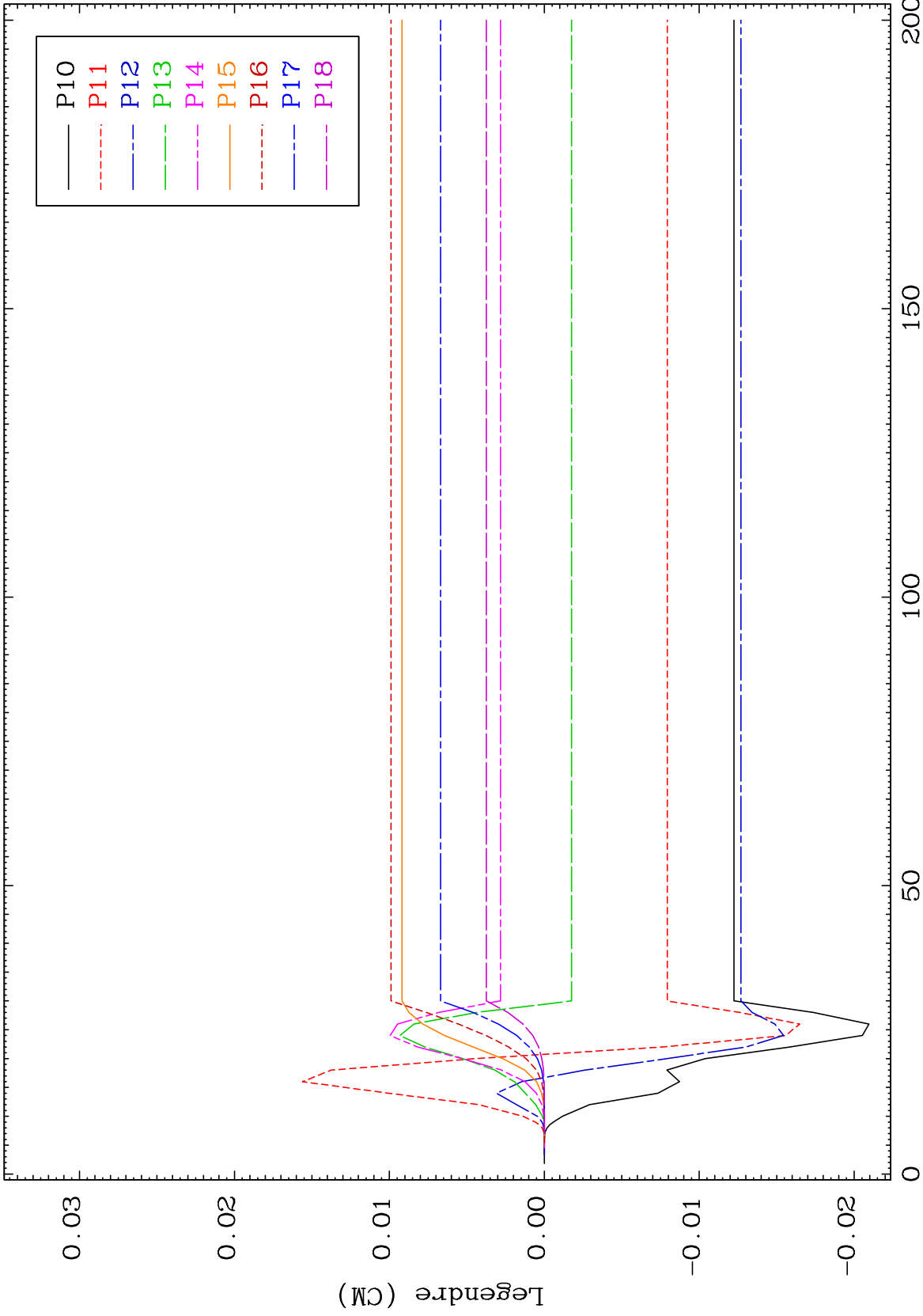
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



44

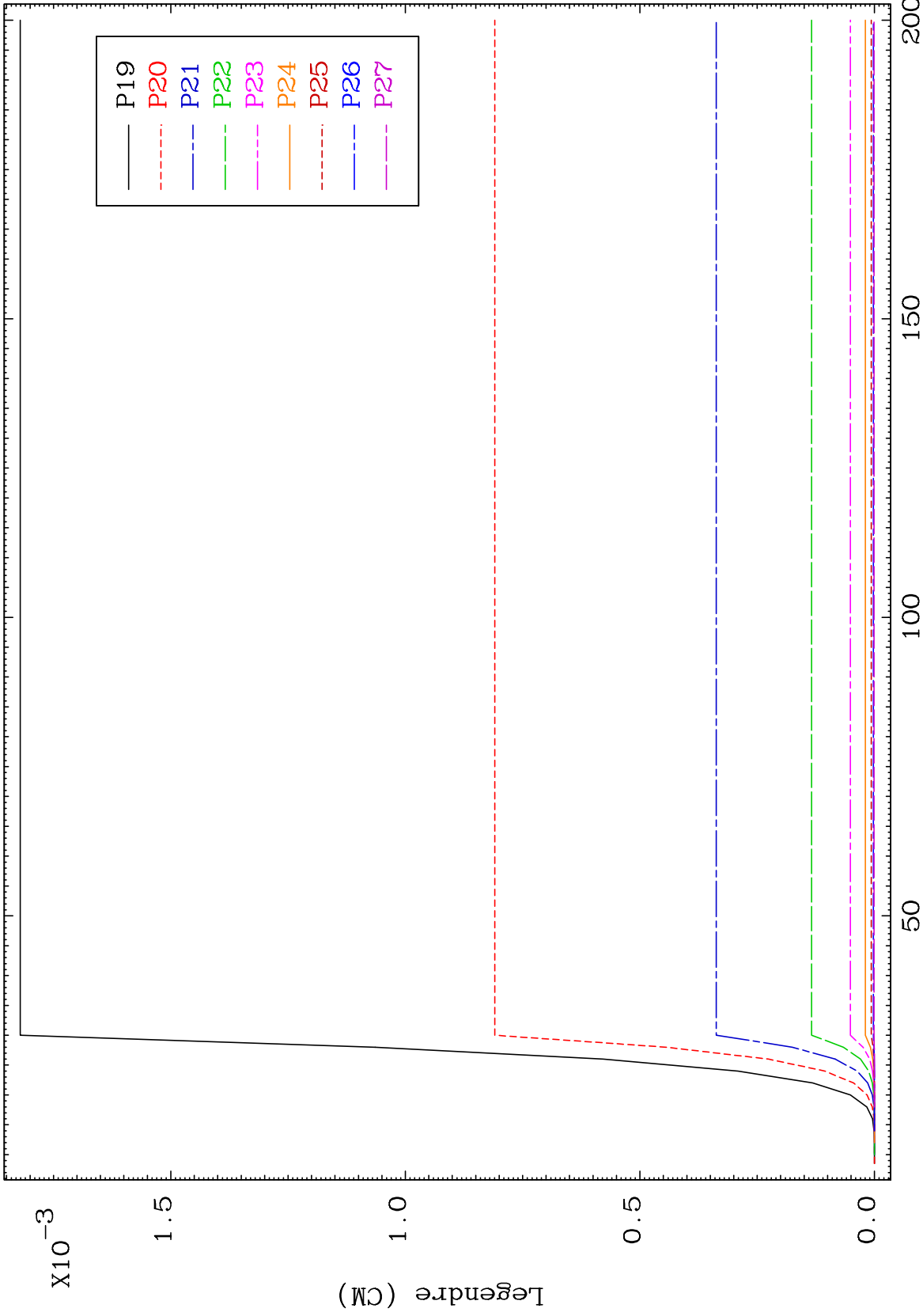
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



45

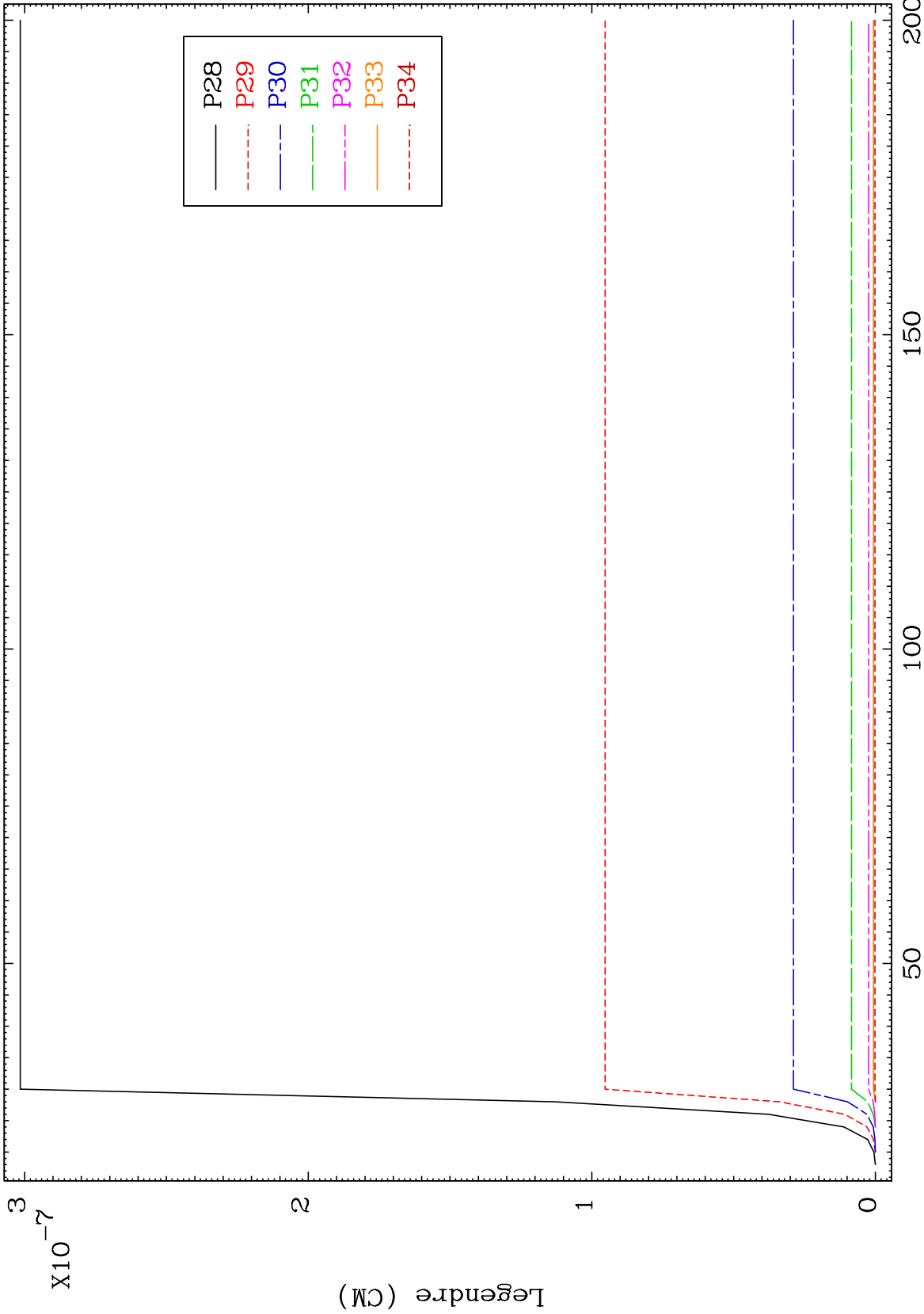
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



46

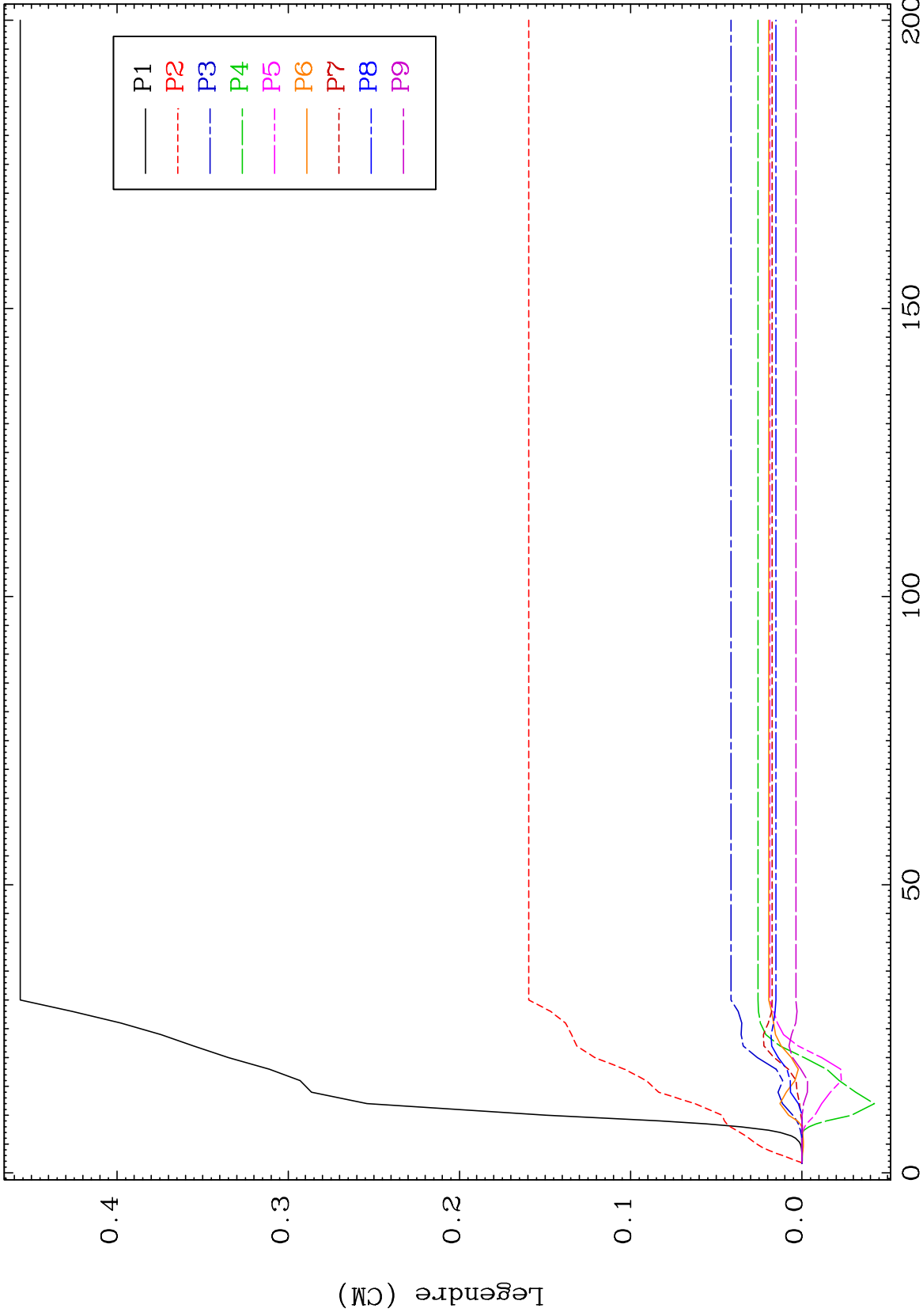
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79

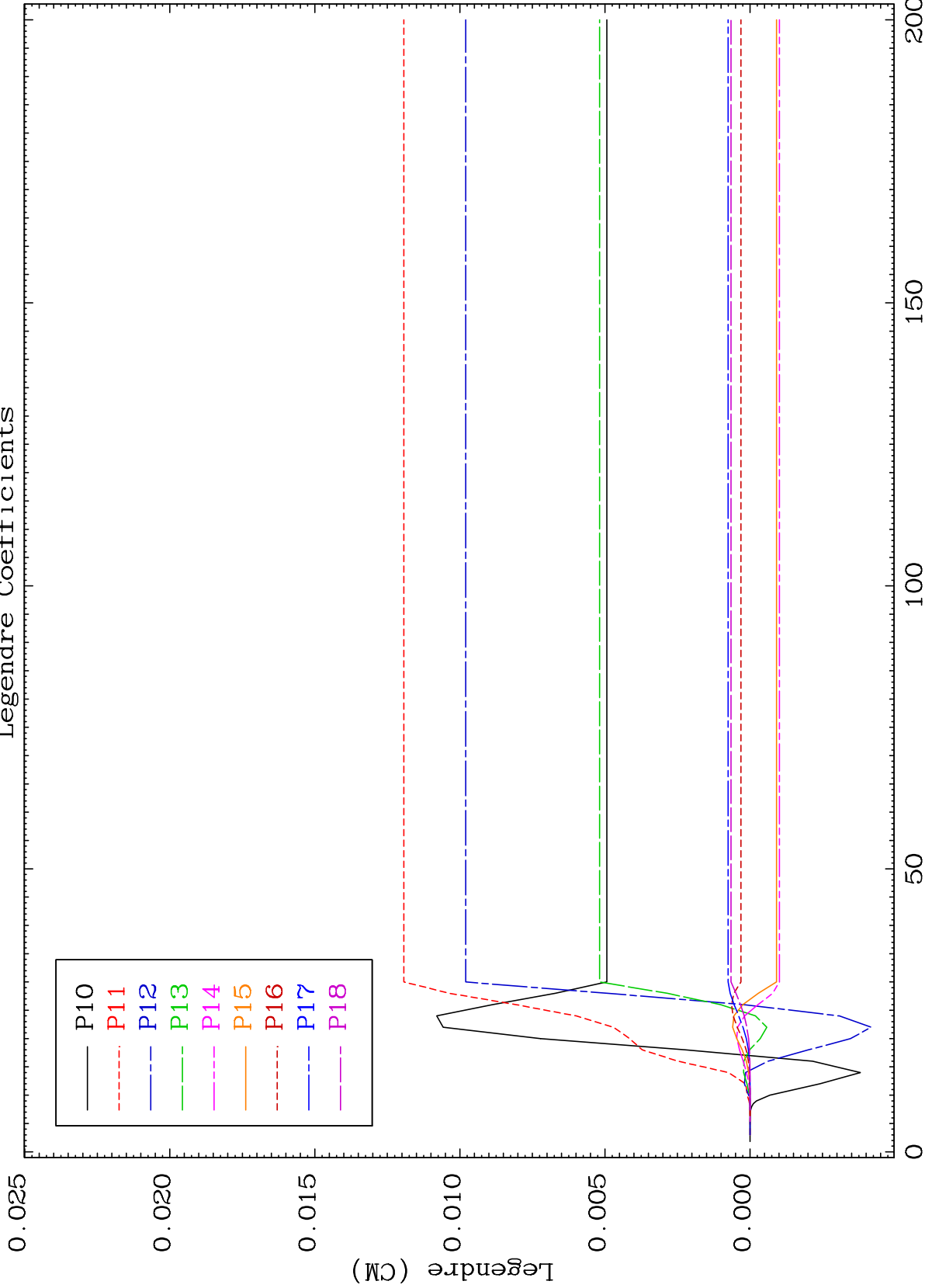


47

Incident Energy (MeV)

31-Ga-79

MAT 3155 MT= 58 (n,n') Level Legendre Coefficients 31-Ga-79



31-Ga-79

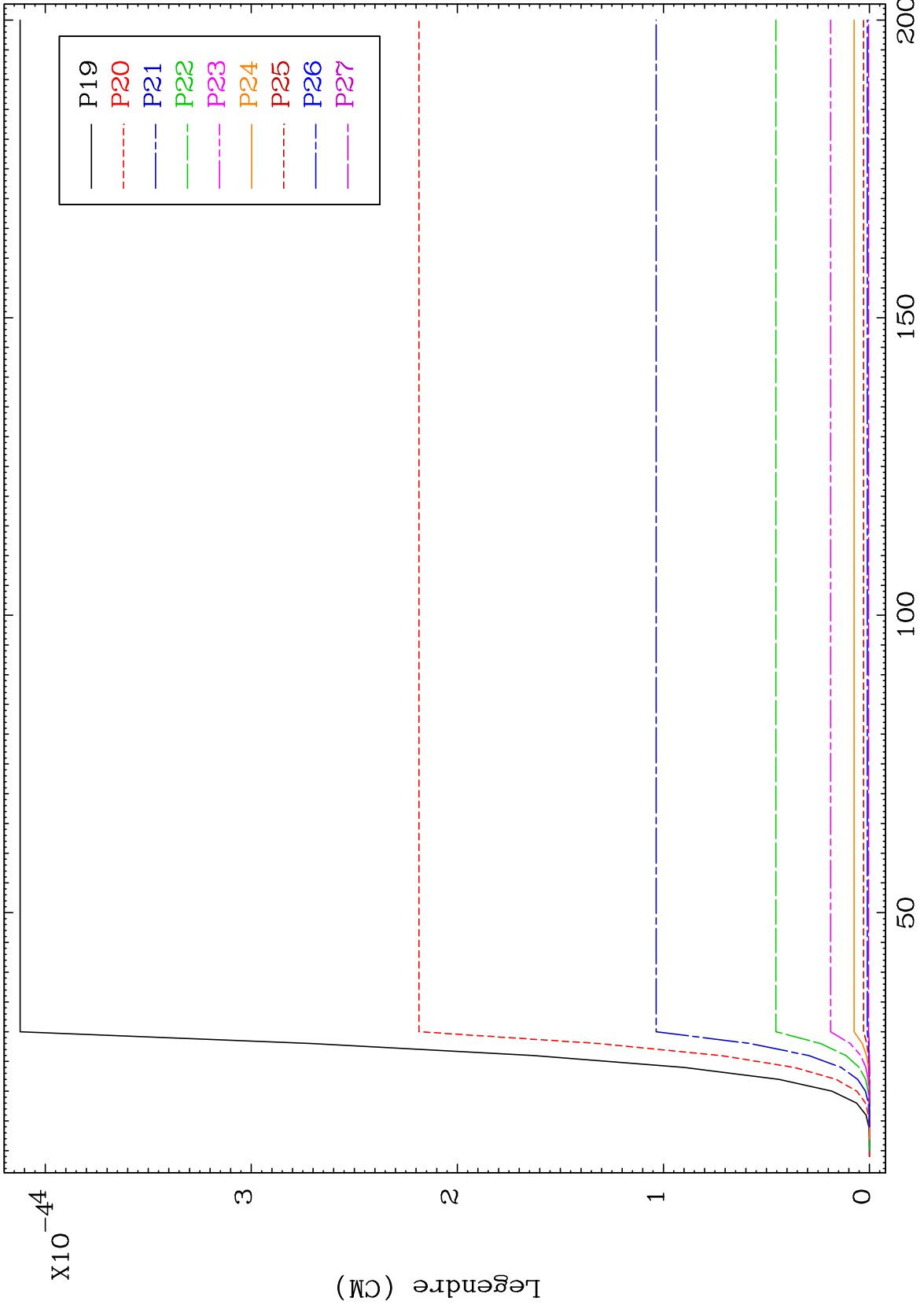
Incident Energy (MeV)

48

MAT 3155

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

31-Ga-79



49

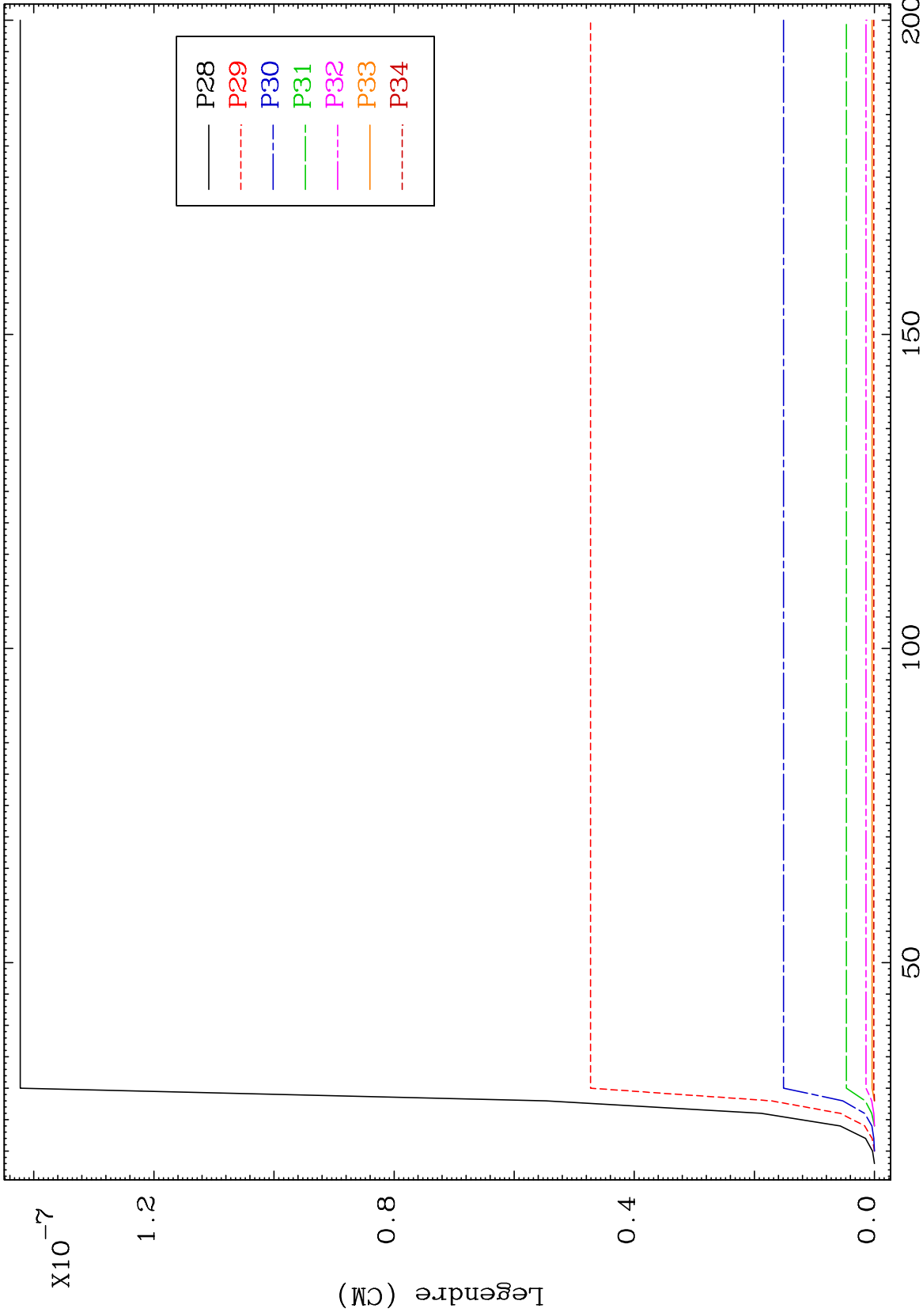
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



50

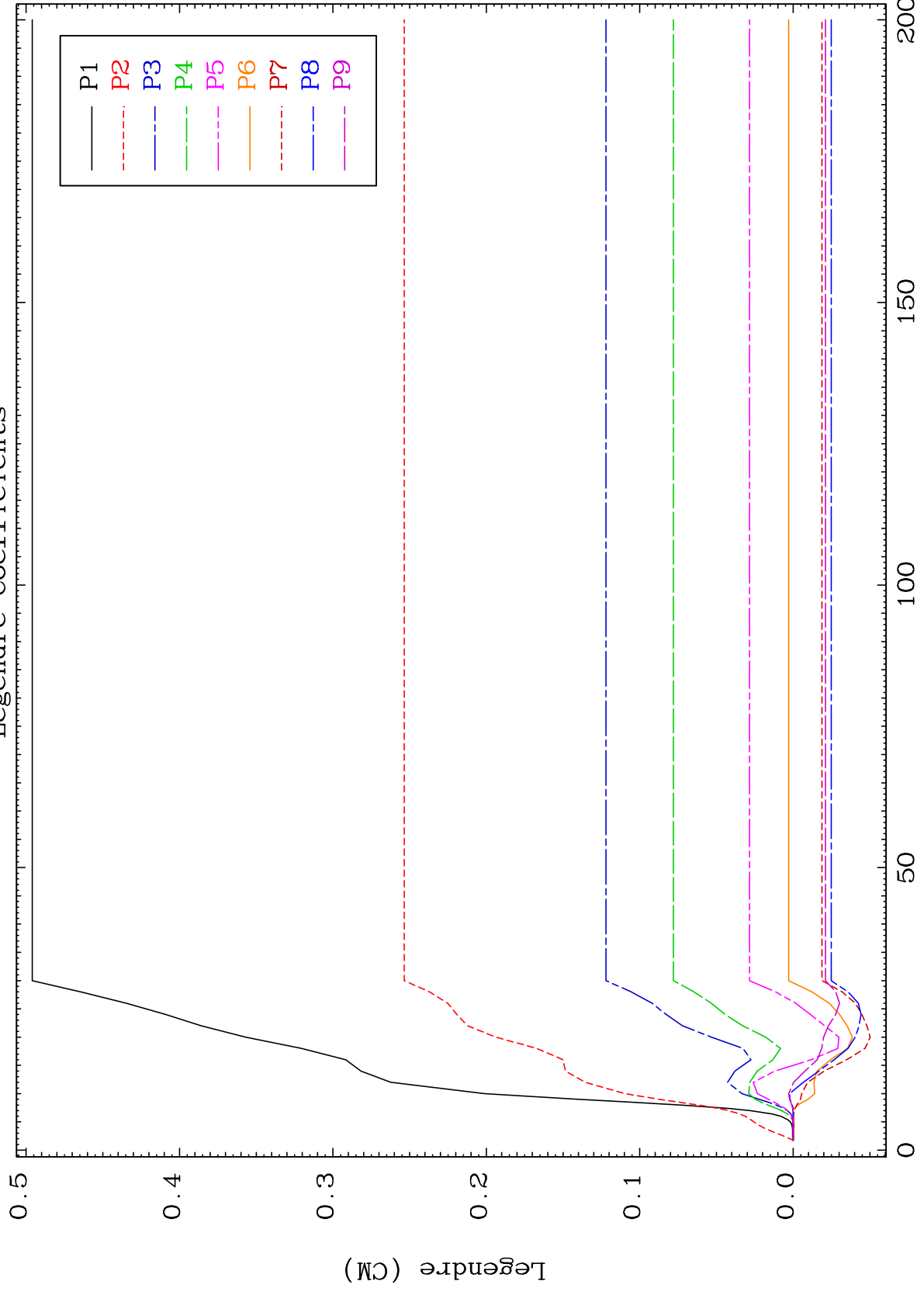
50

100

150

200

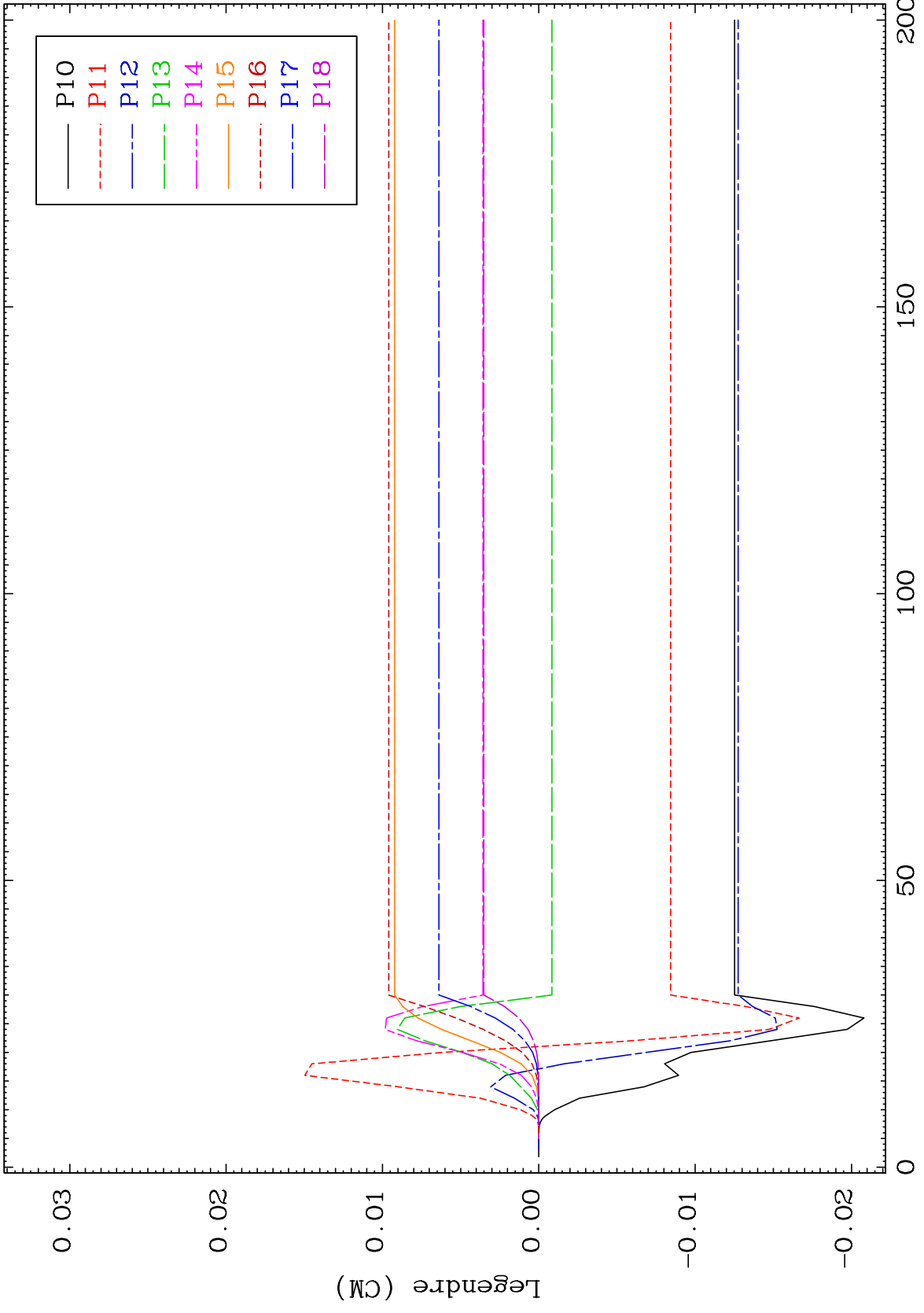
31-Ga-79



MAT 3155

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

31-Ga-79



52

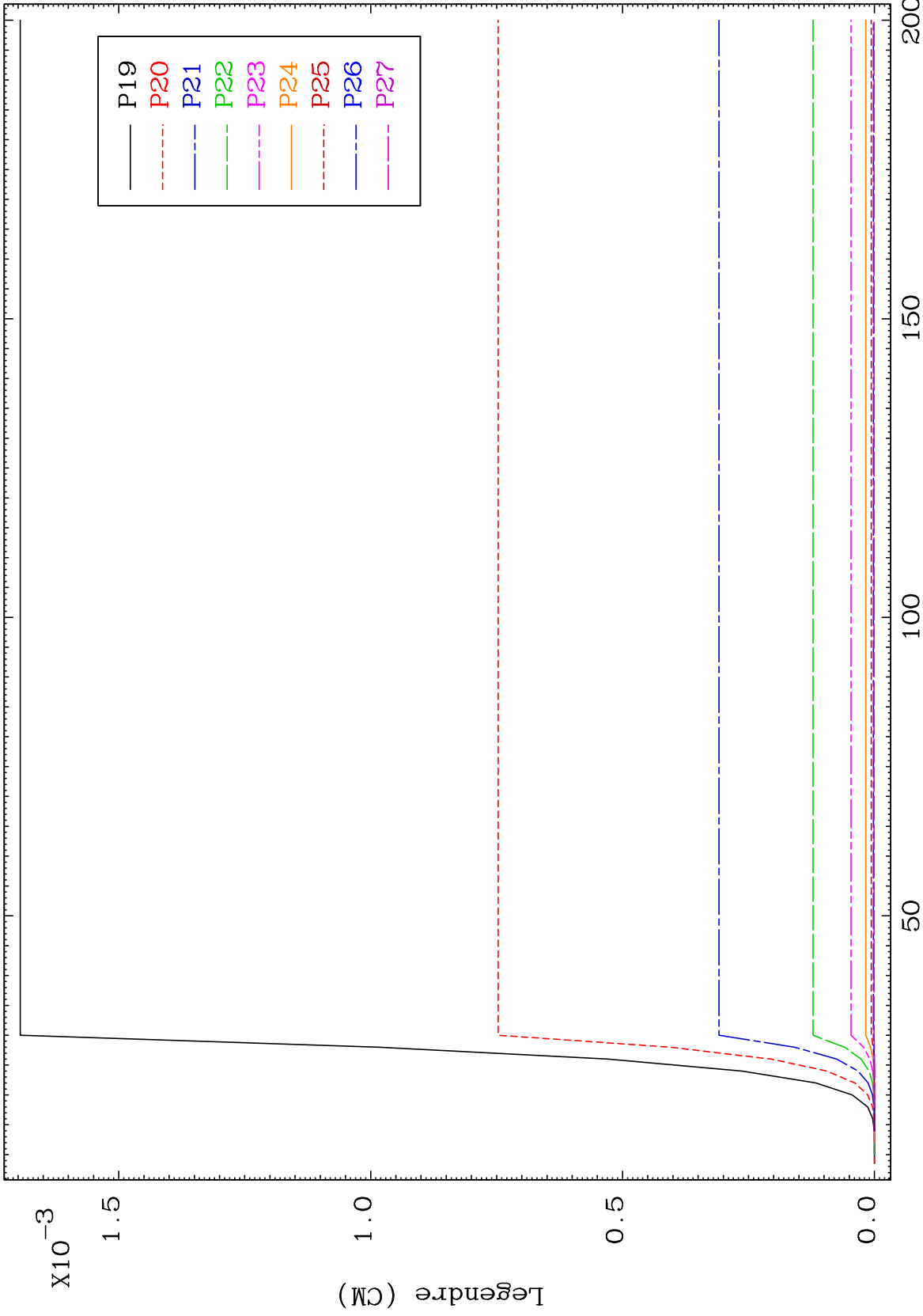
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



53

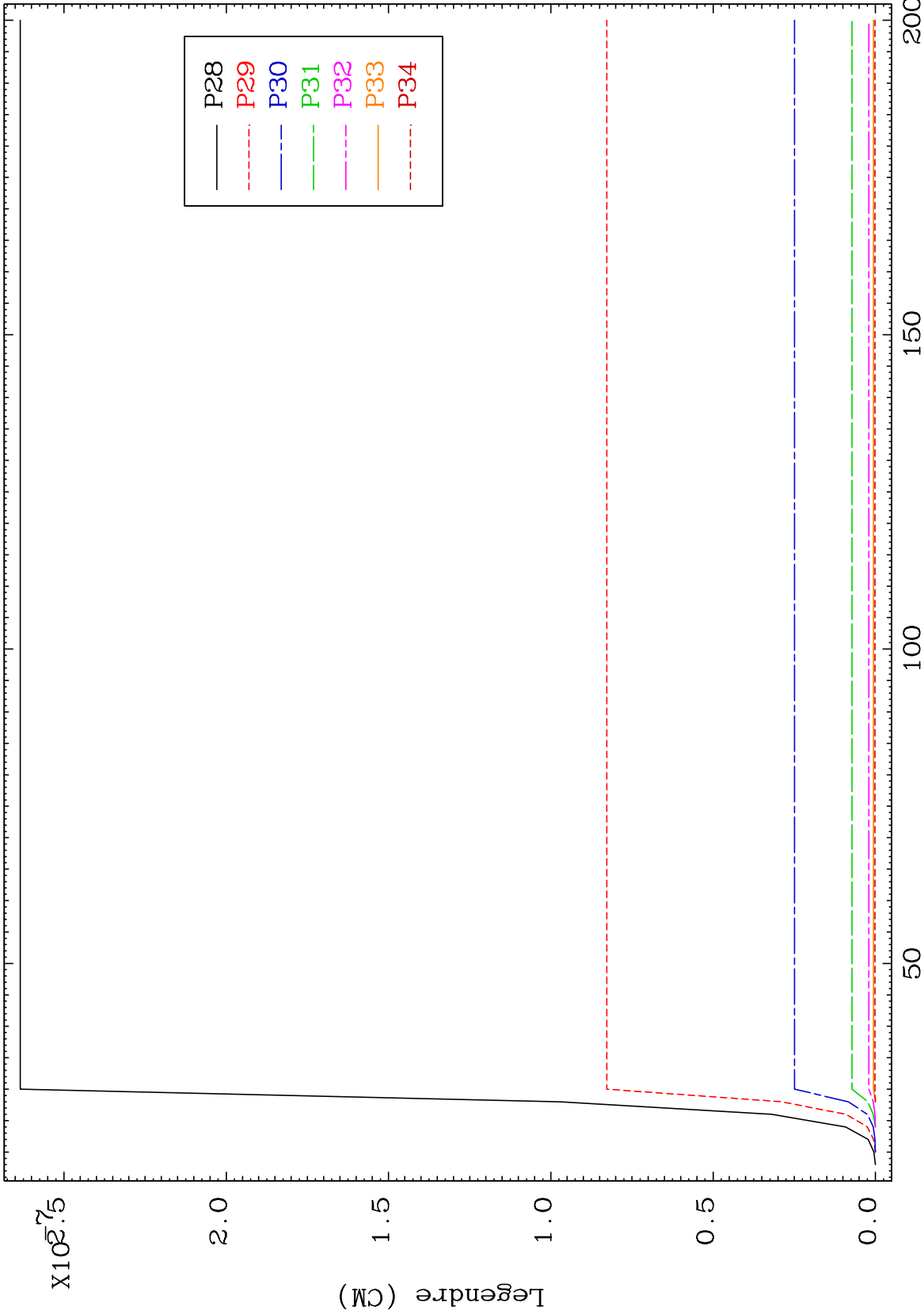
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



54

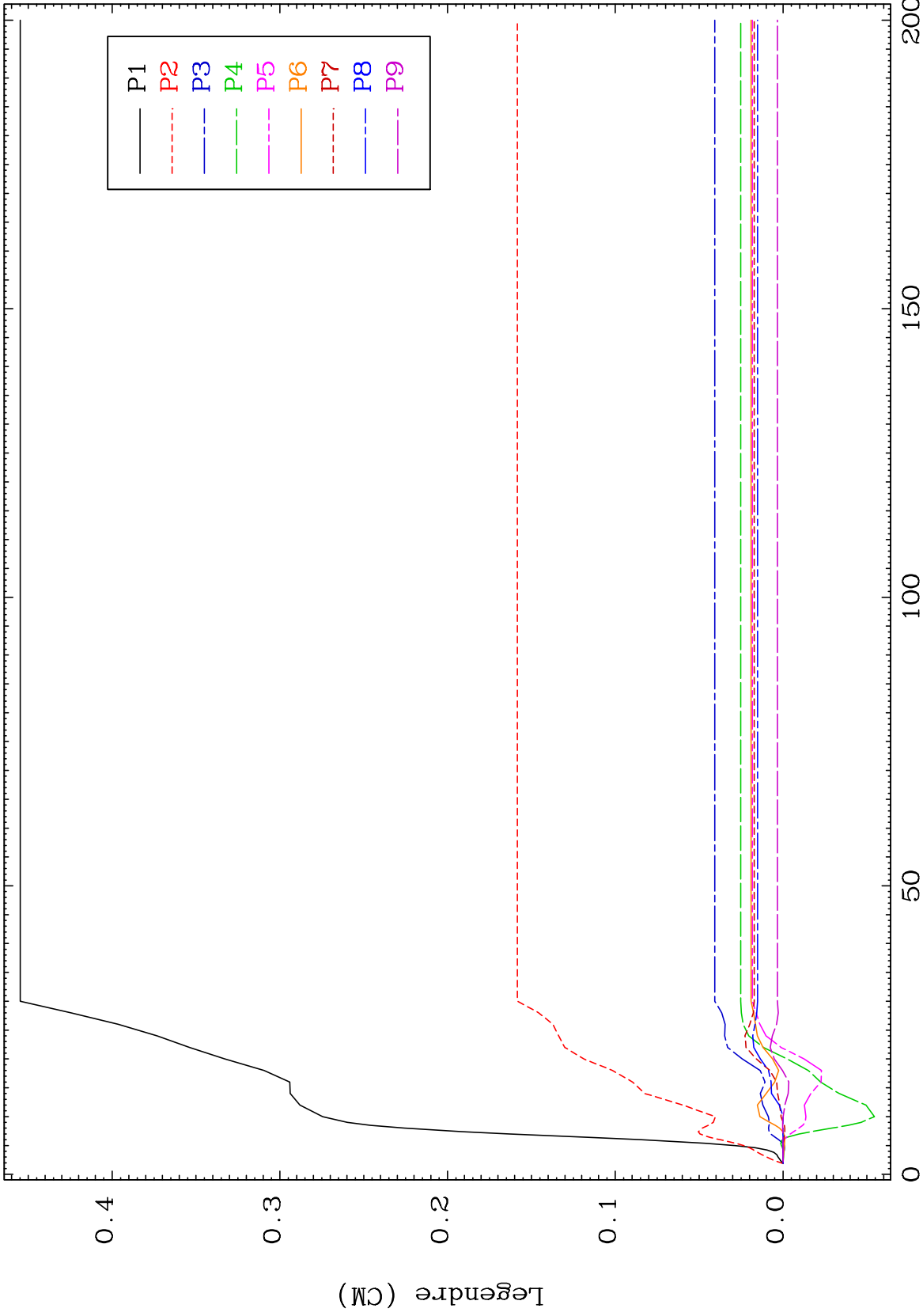
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



55

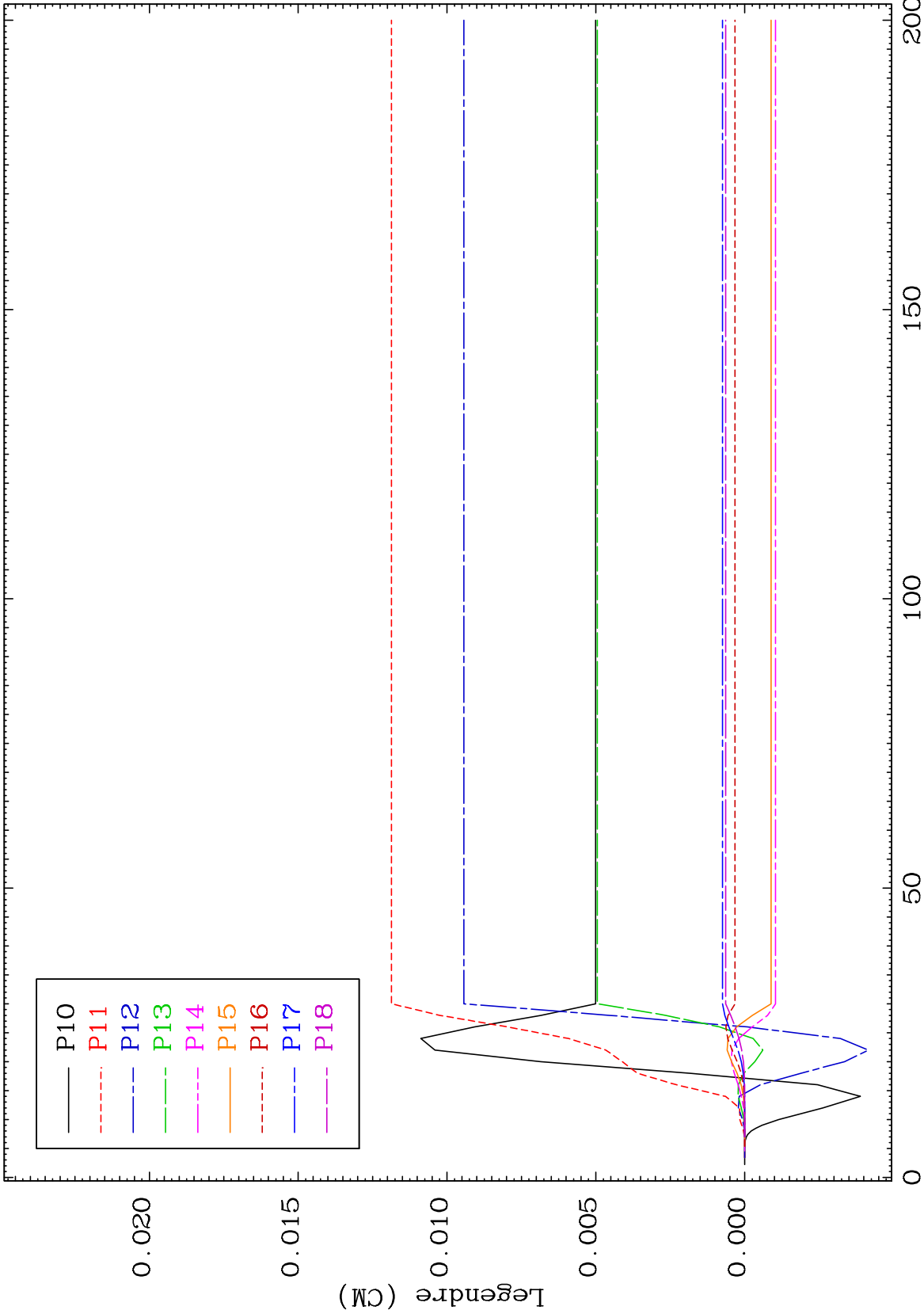
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



56

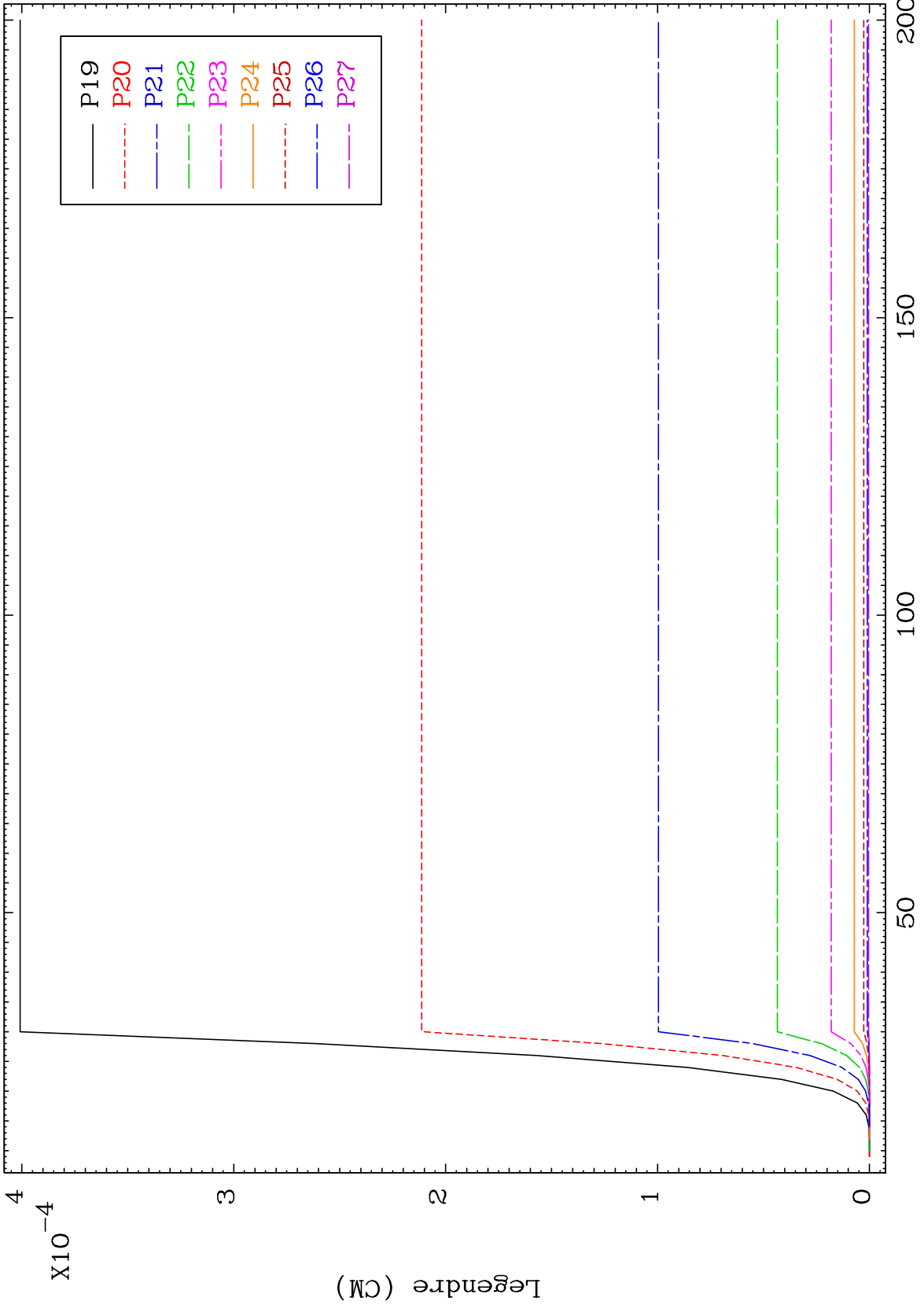
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



57

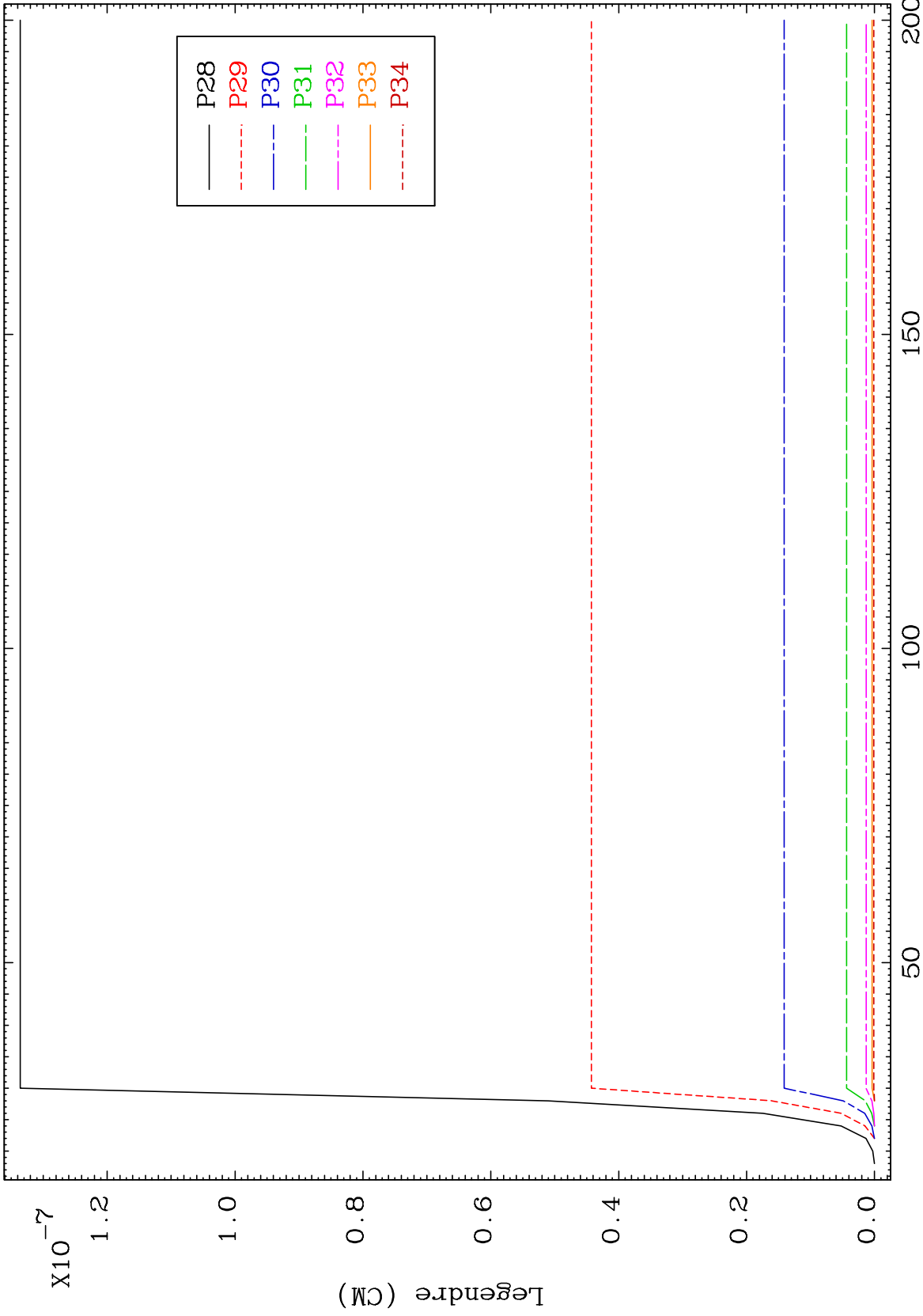
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79

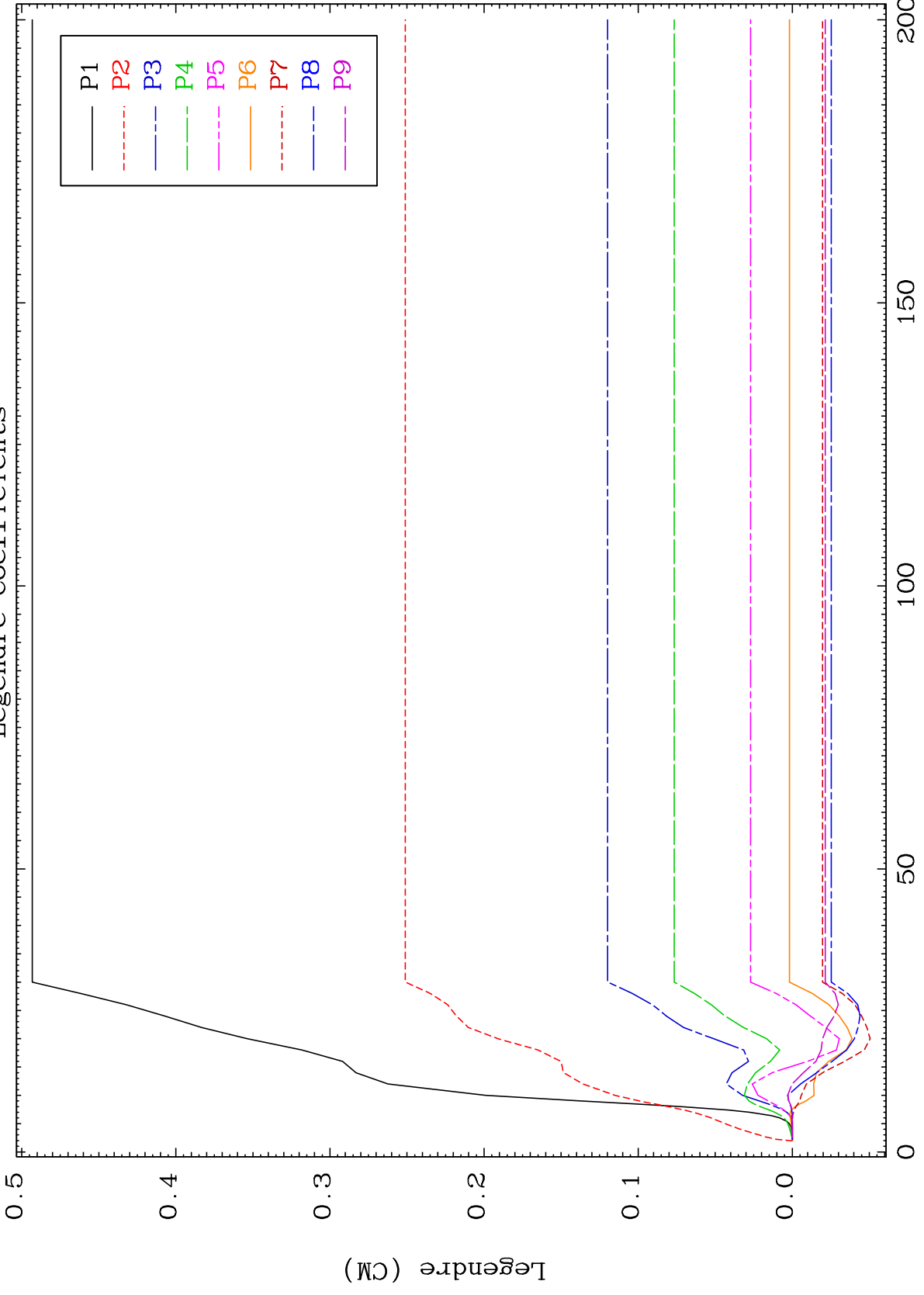


58

Incident Energy (MeV)

31-Ga-79

MAT 3155 MT= 61 (n,n') Level Legendre Coefficients 31-Ga-79

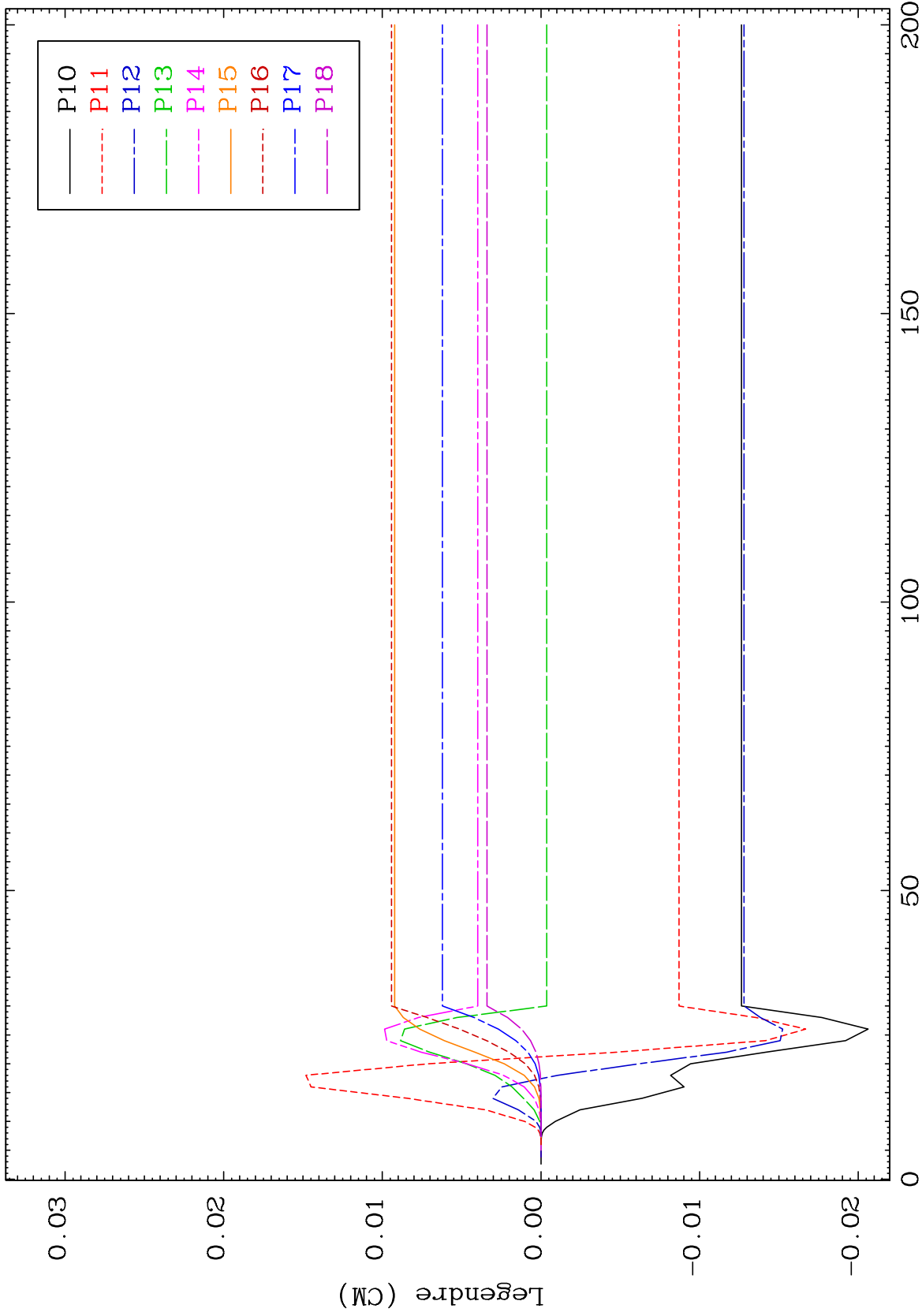


59 31-Ga-79

MAT 3155

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

31-Ga-79



60

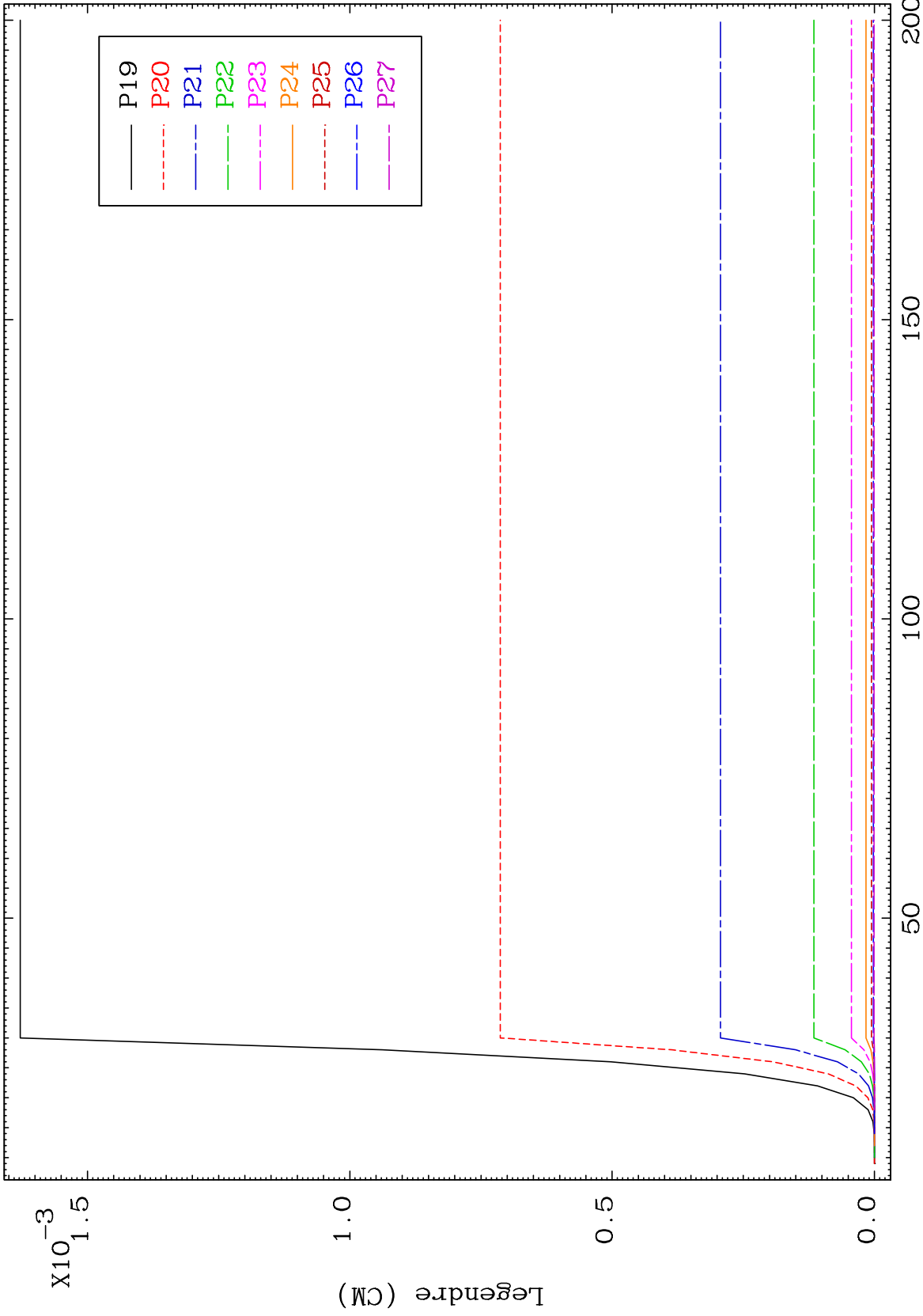
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



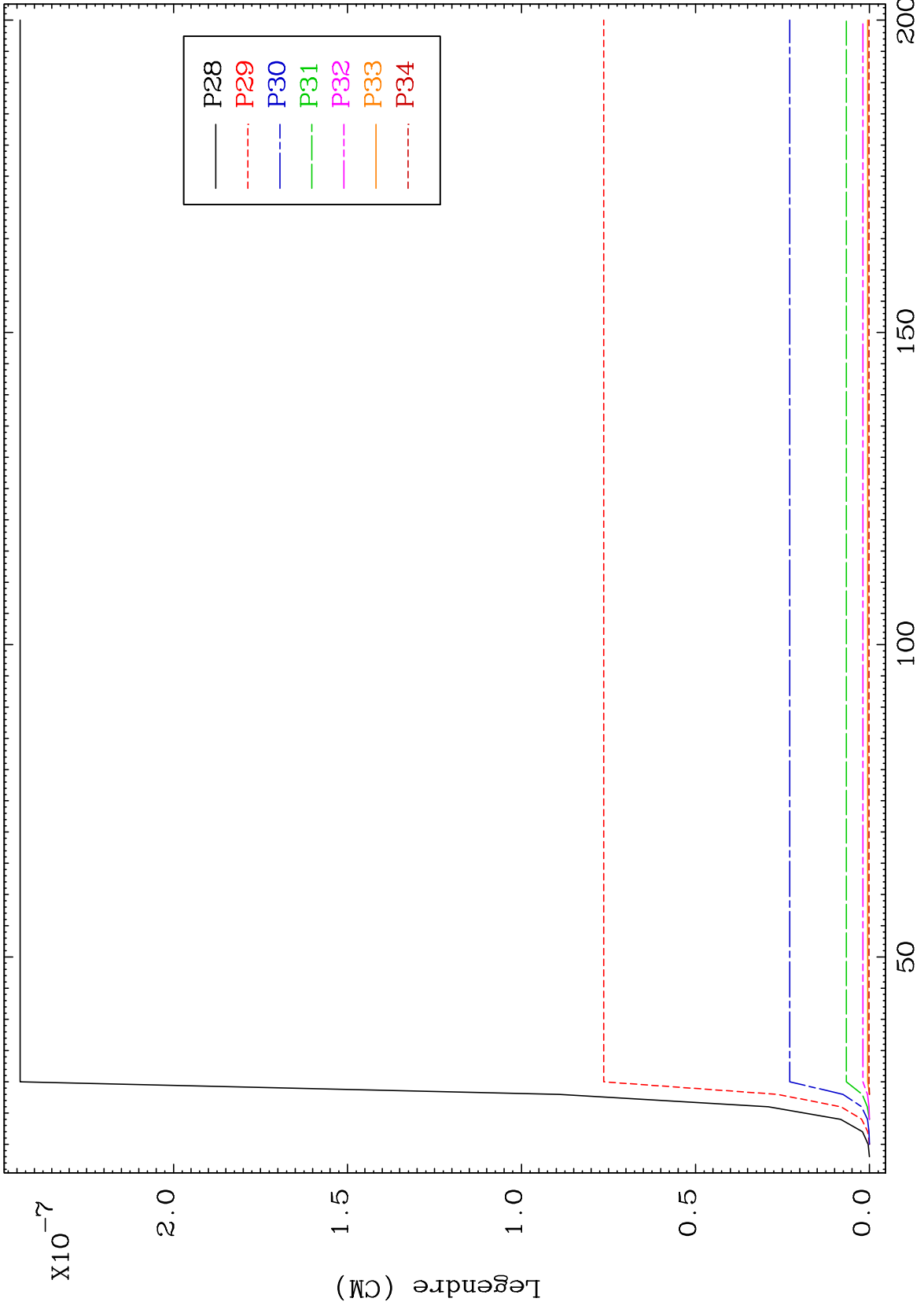
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31-Ga-79

MAT 3155

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

31-Ga-79



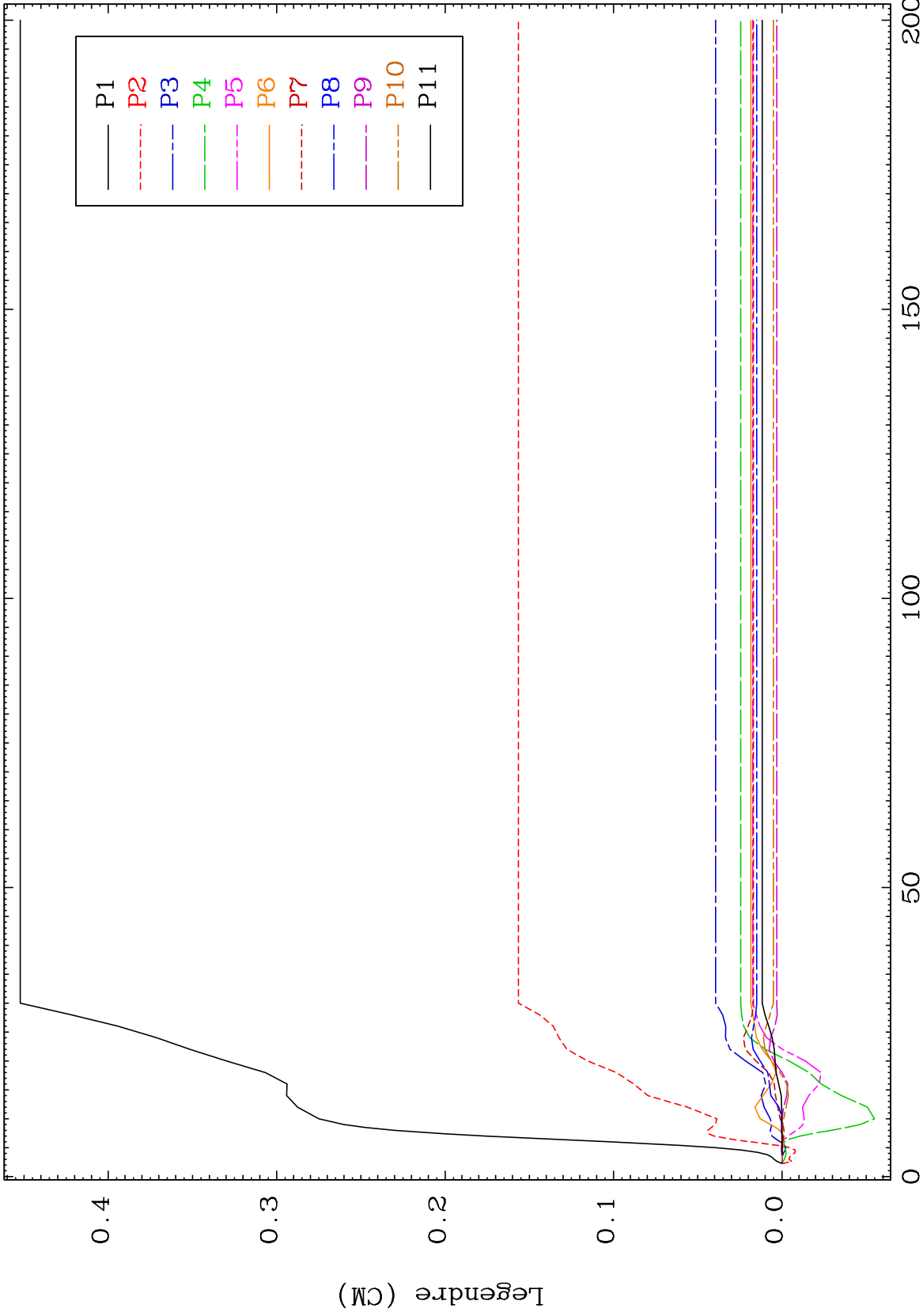
62

31-Ga-79

MAT 3155

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

31-Ga-79



63

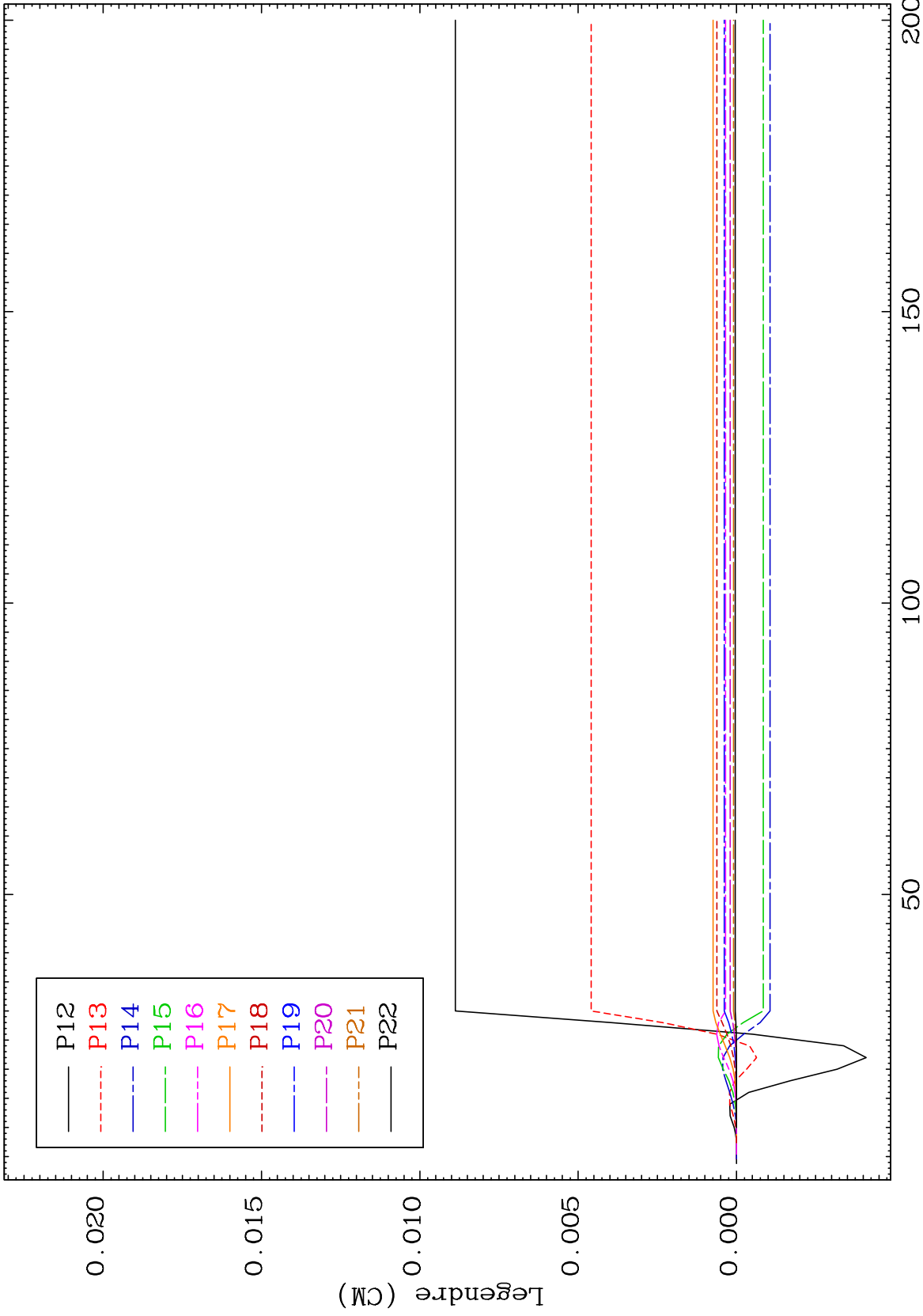
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



64

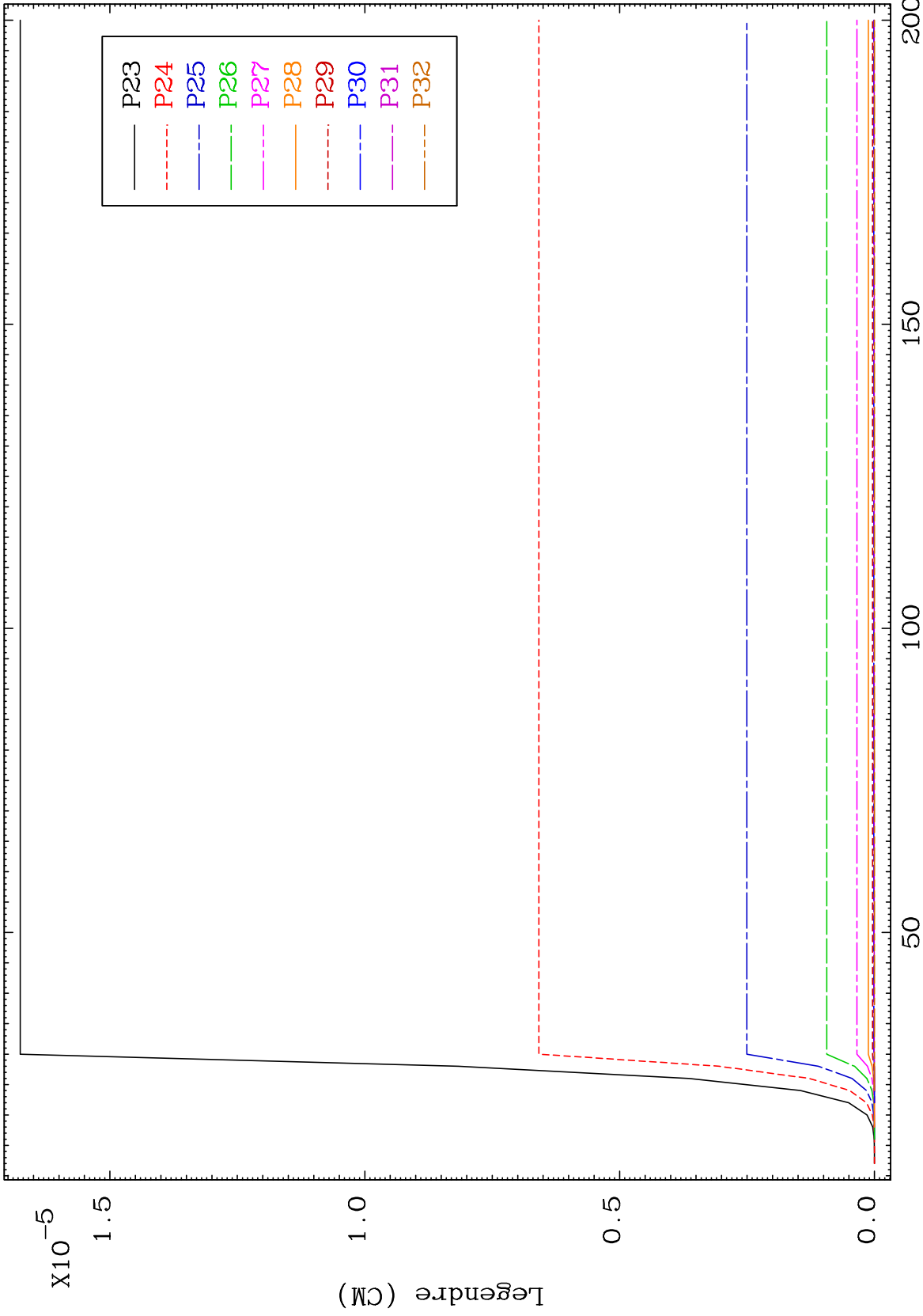
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



65

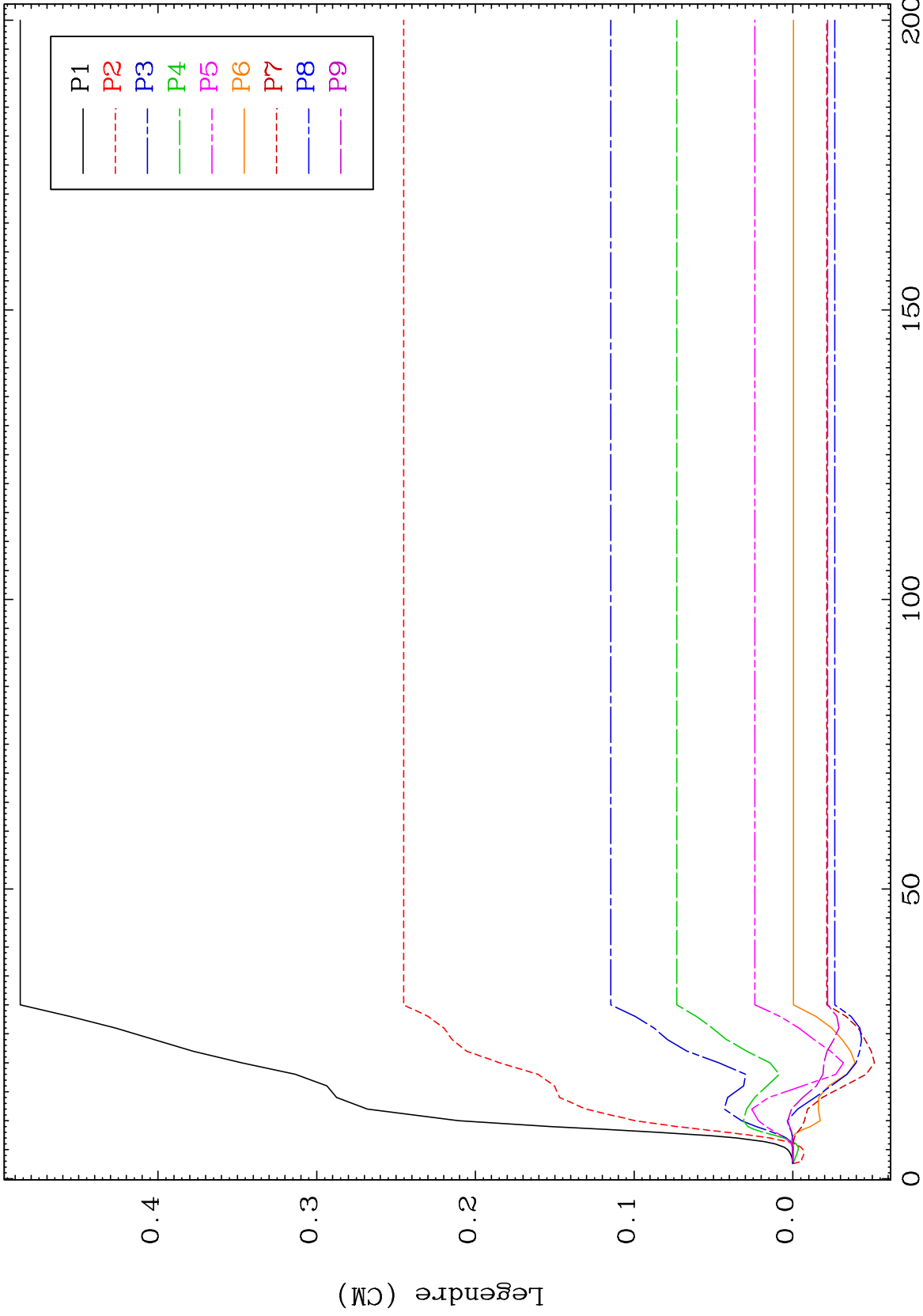
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



66

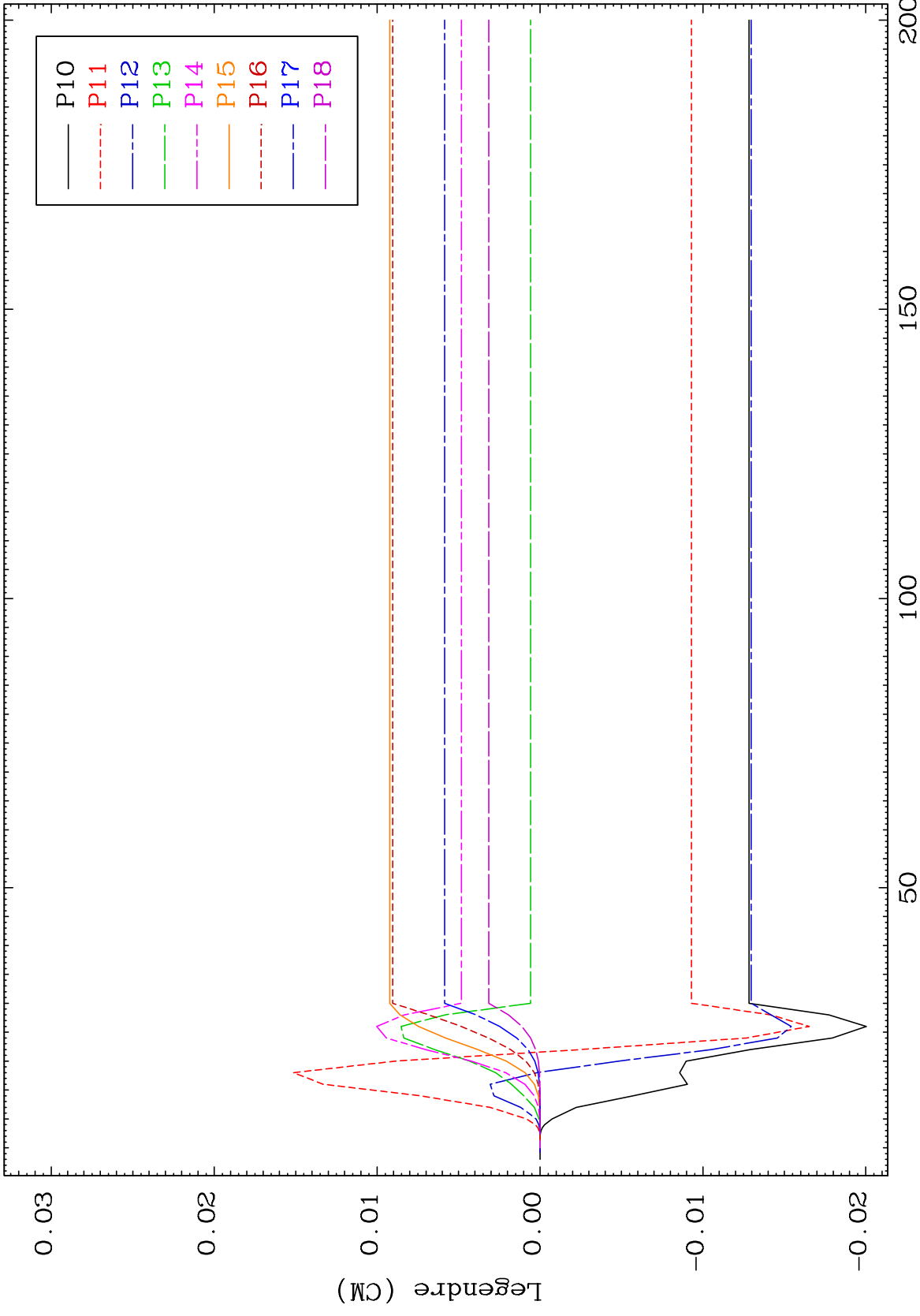
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

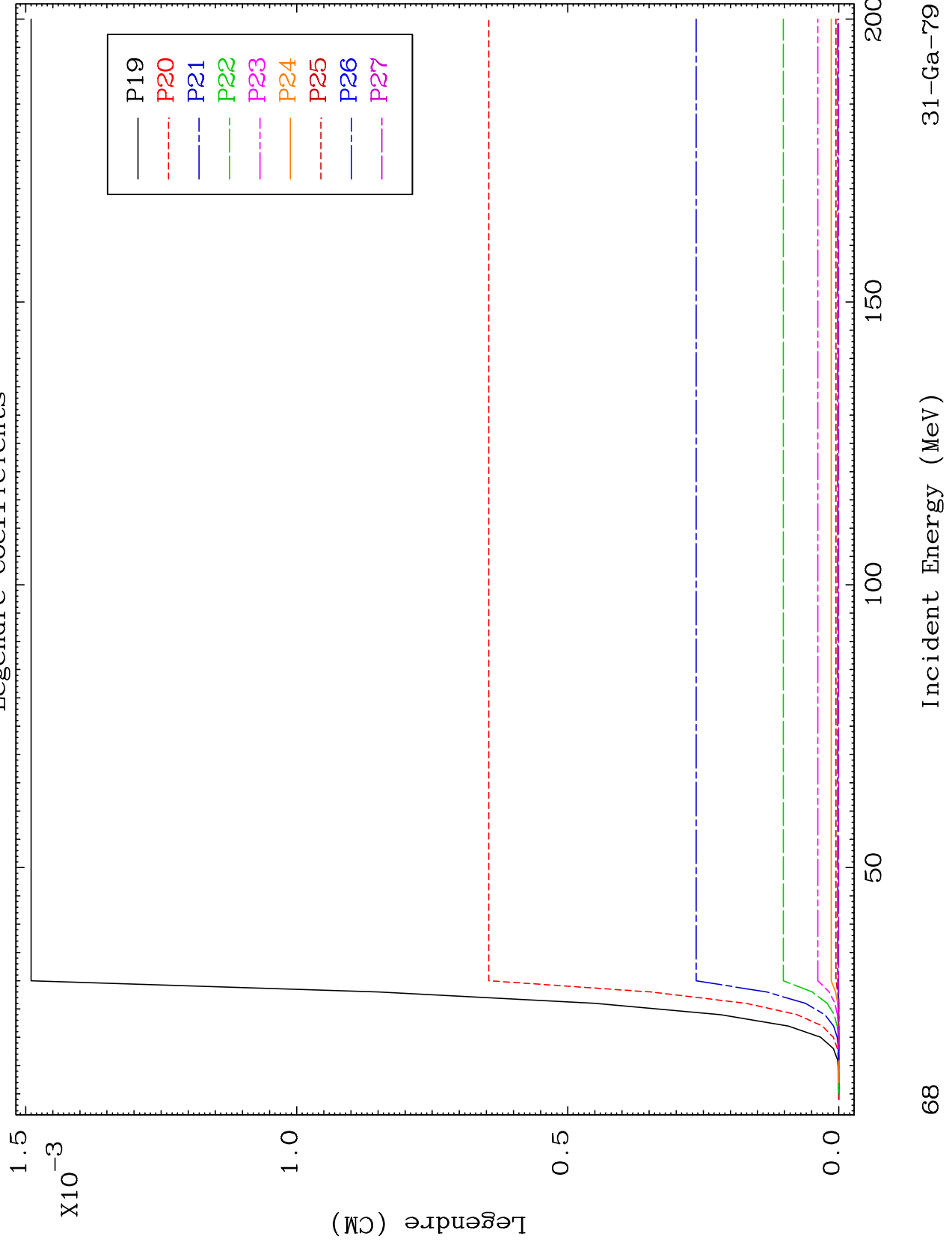
31-Ga-79



67

Incident Energy (MeV)

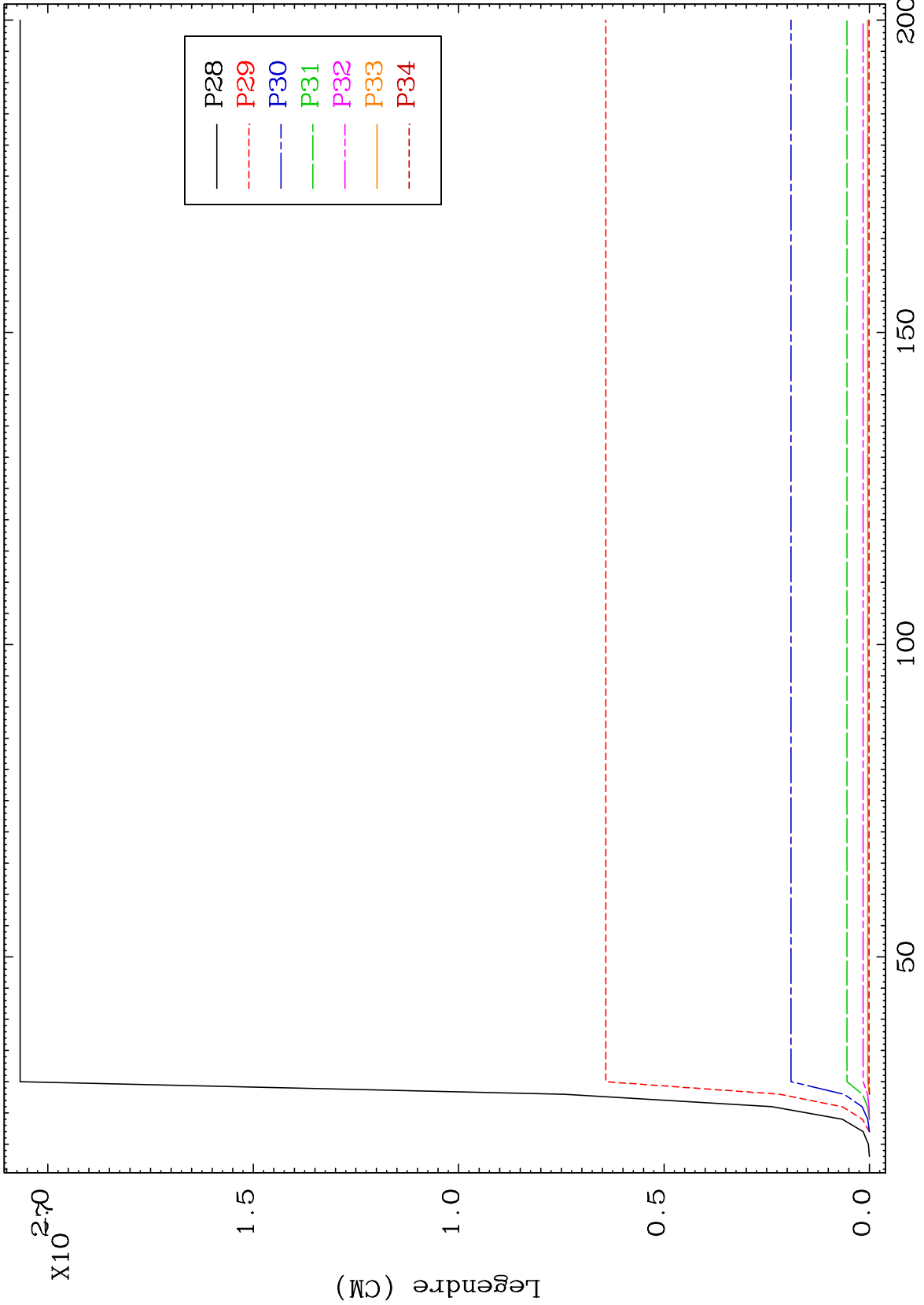
31-Ga-79



MAT 3155

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

31-Ga-79



69

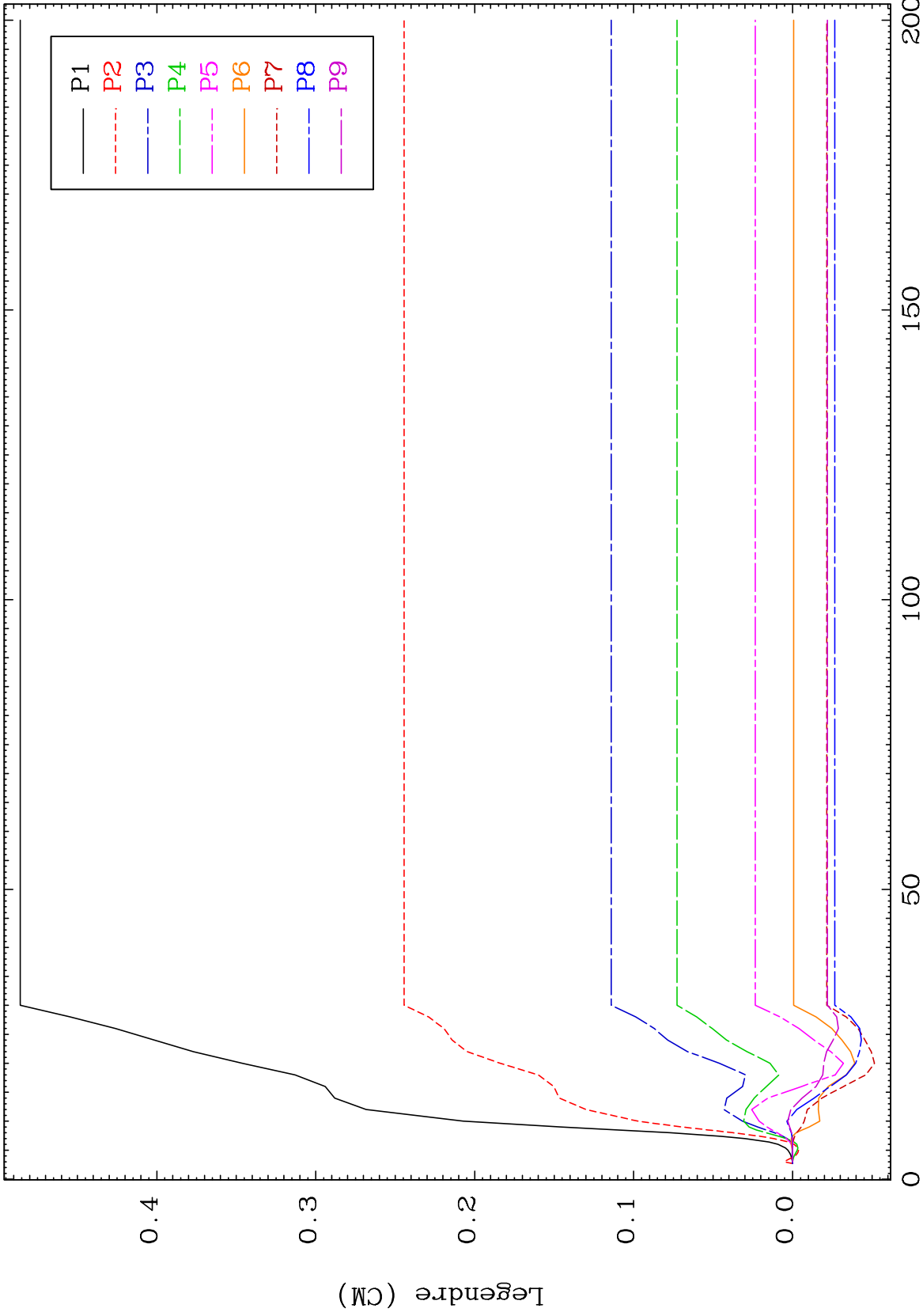
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



70

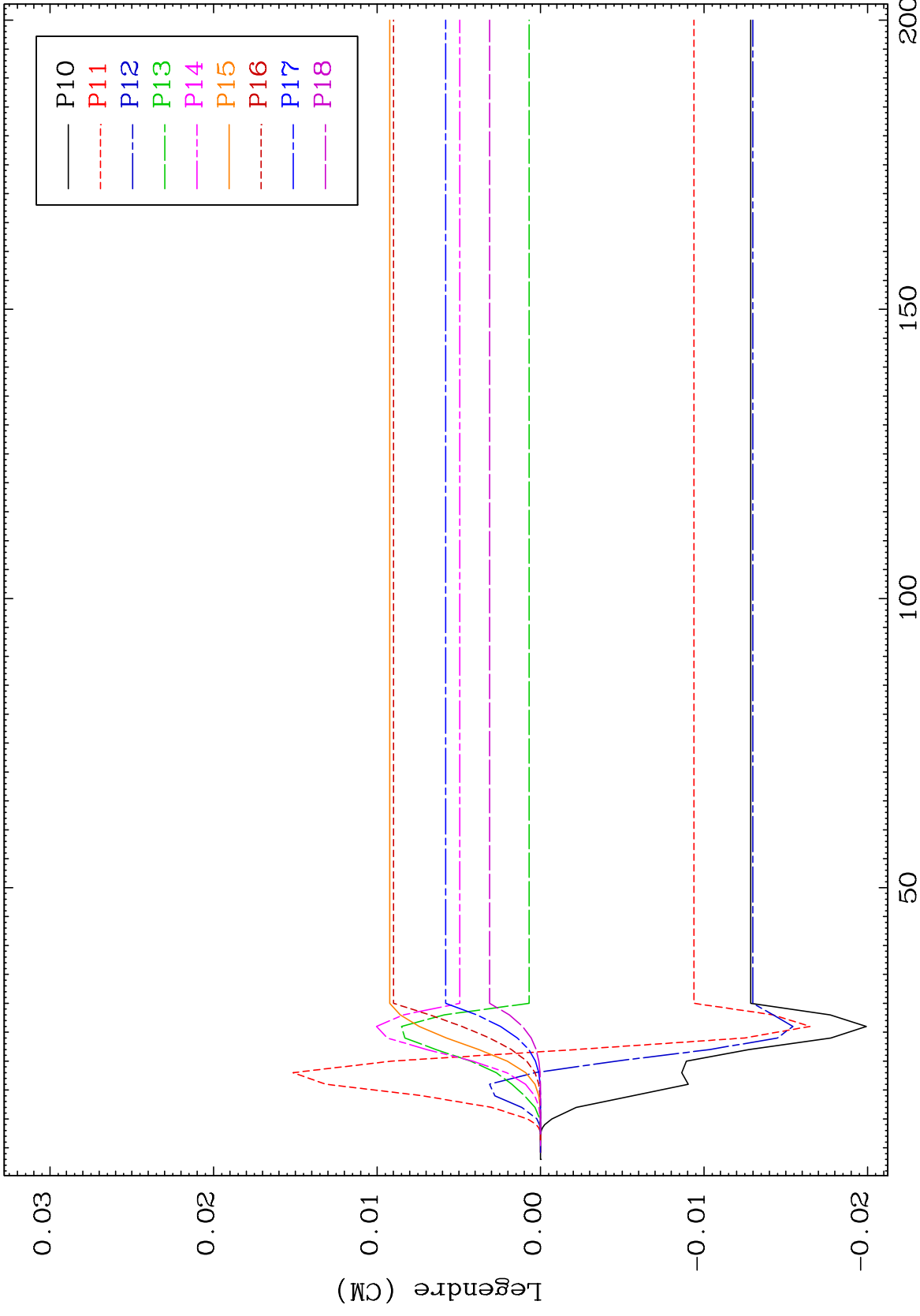
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



71

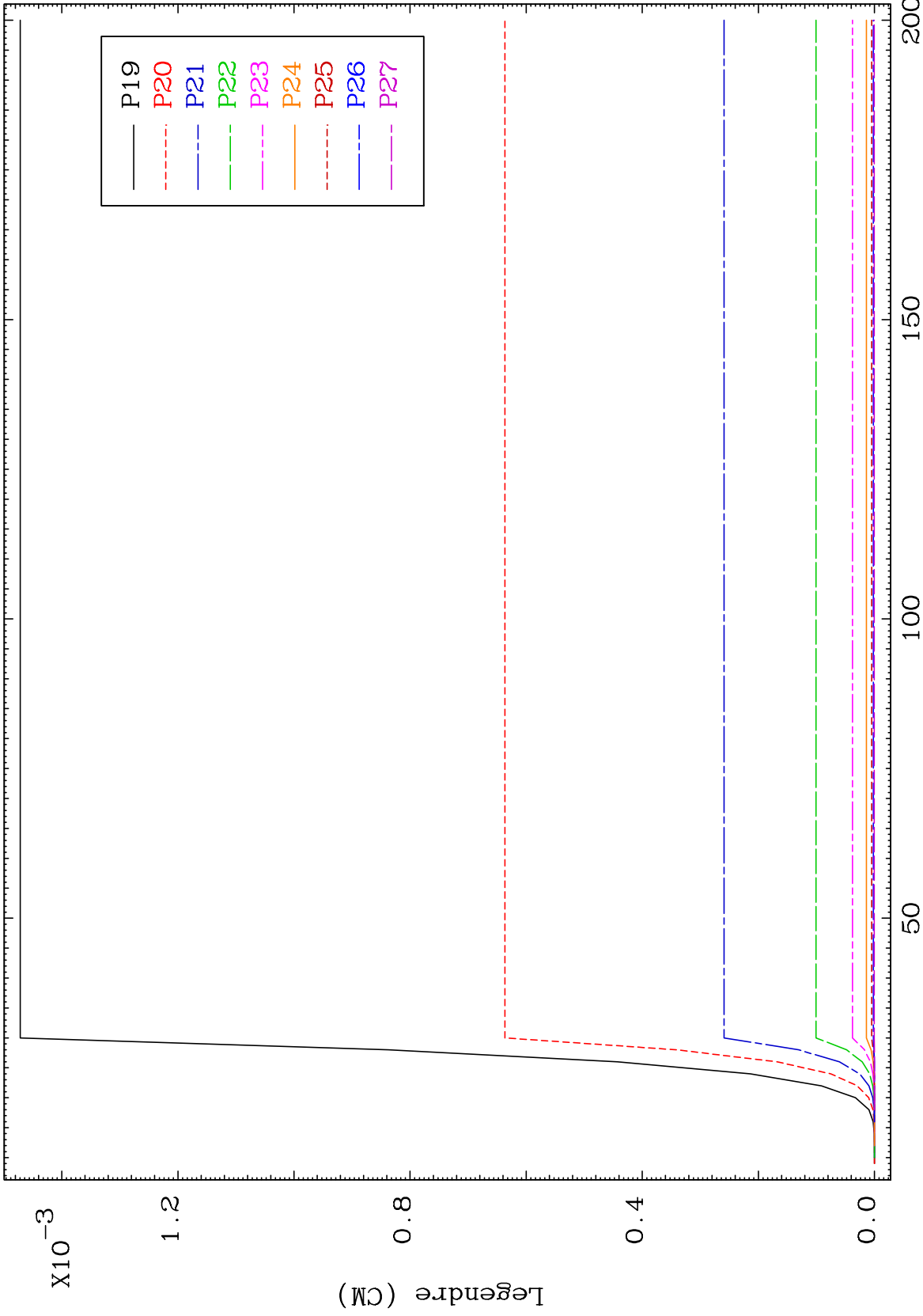
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



72

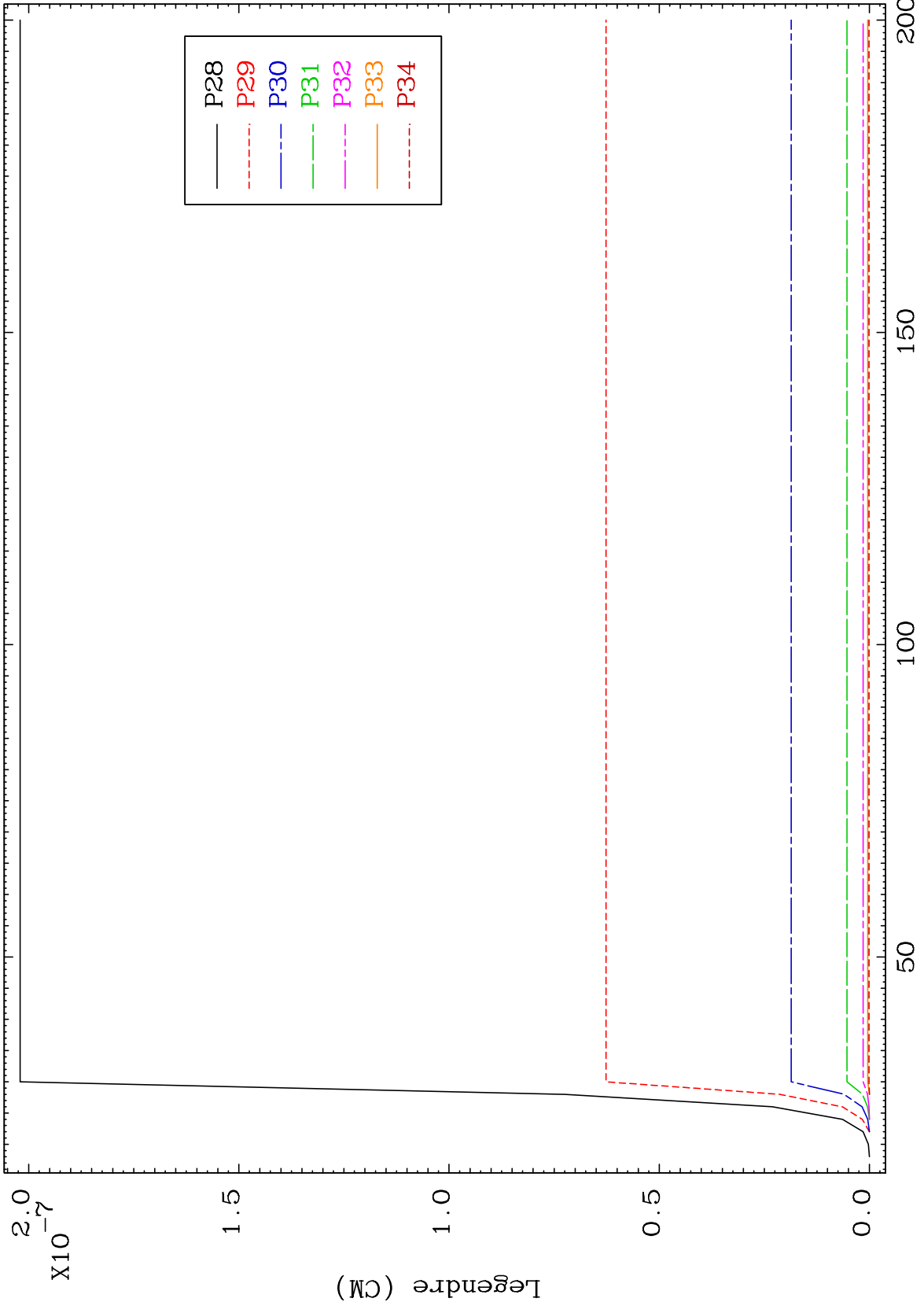
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



73

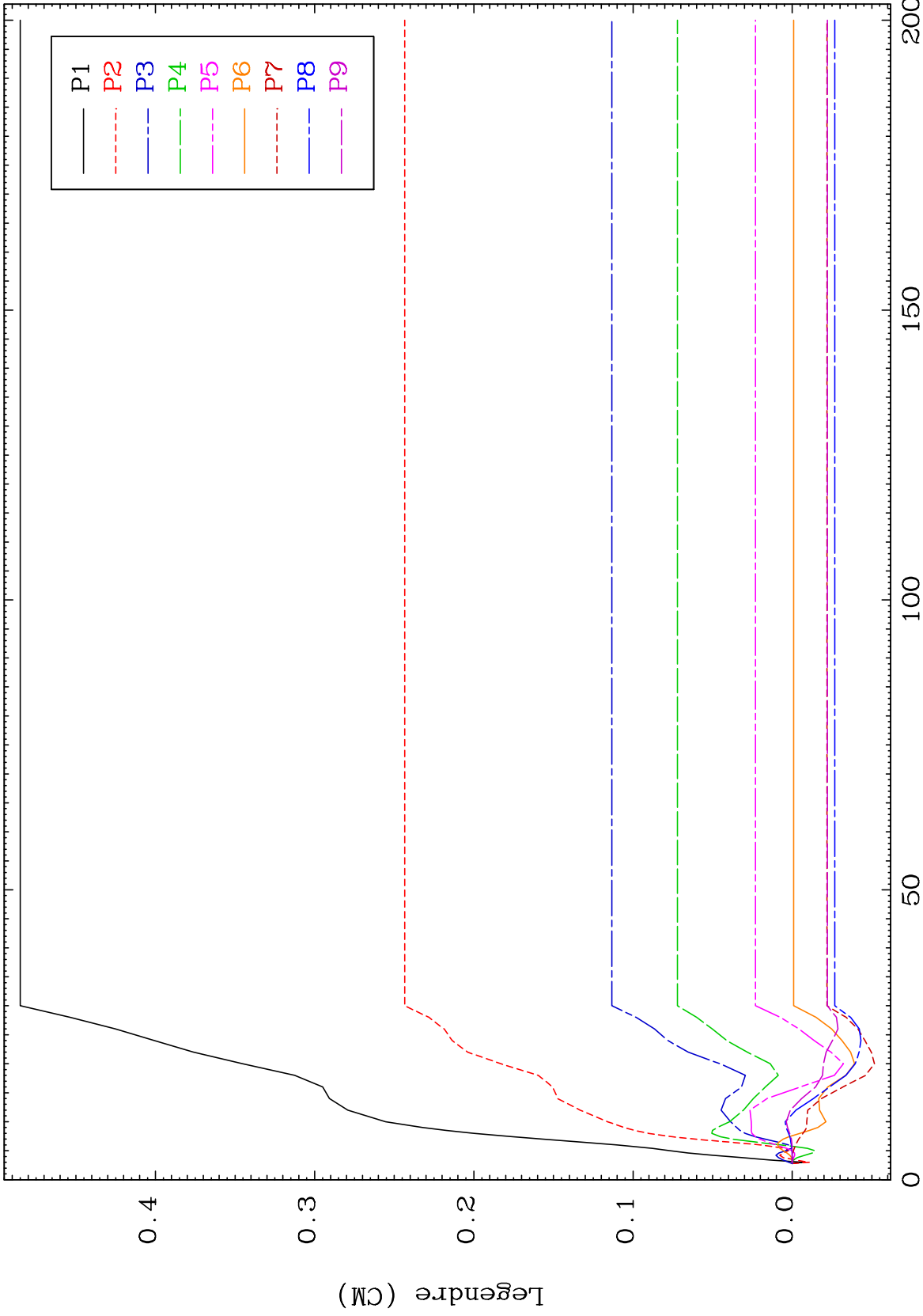
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79

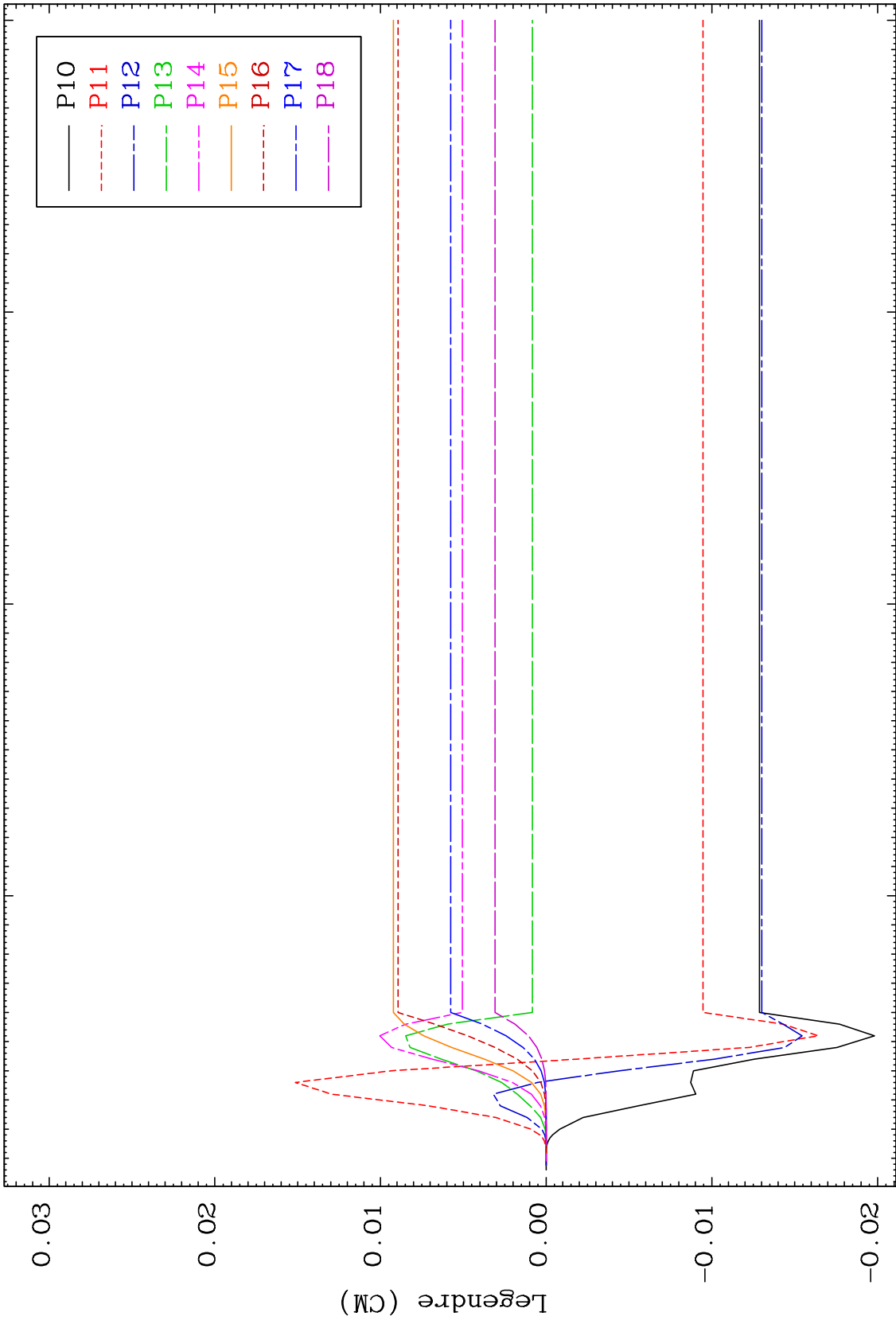


74

Incident Energy (MeV)

31-Ga-79

MAT 3155 MT= 65 (n,n') Level Legendre Coefficients 31-Ga-79

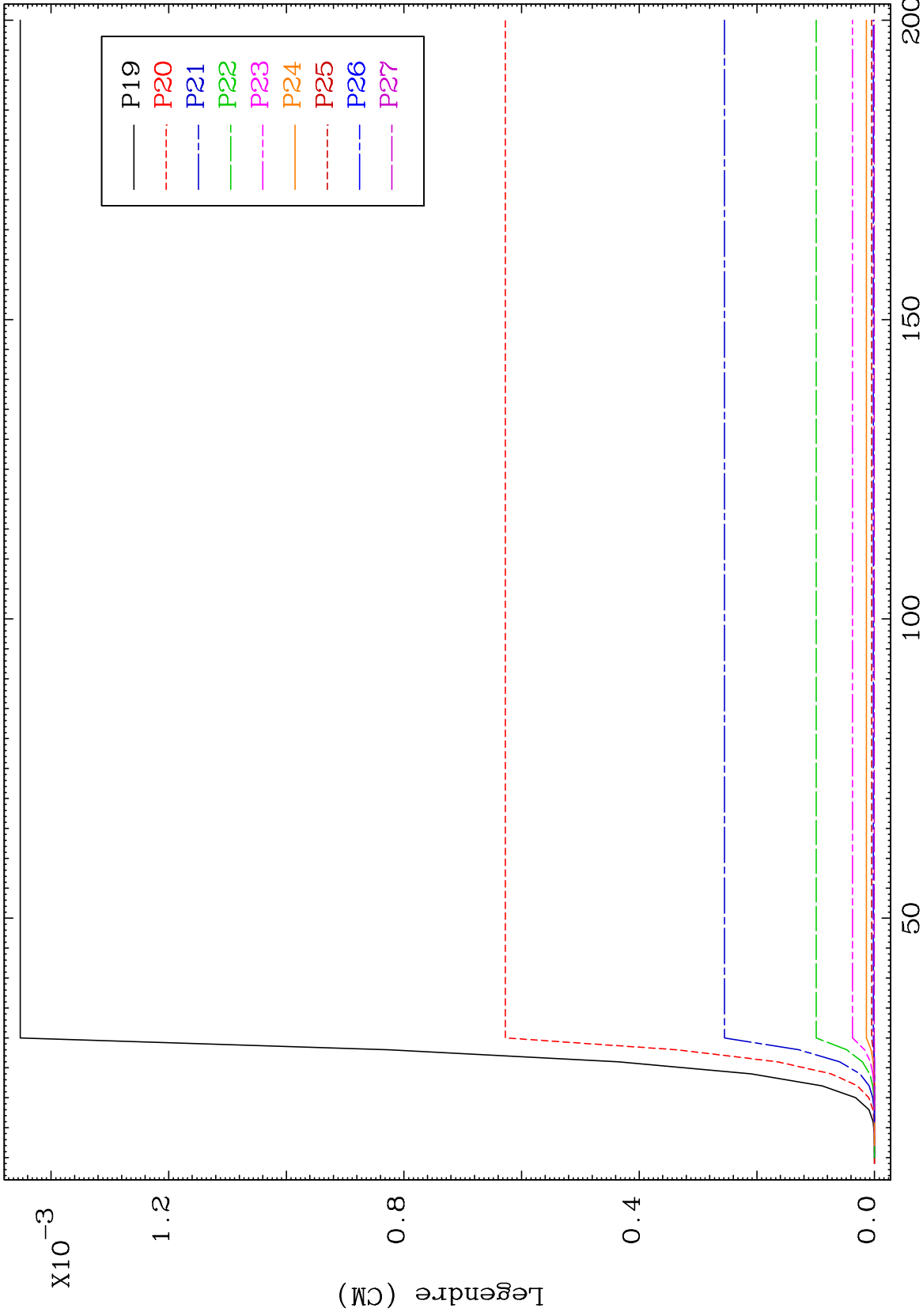


75 Incident Energy (MeV) 31-Ga-79

MAT 3155

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

31-Ga-79

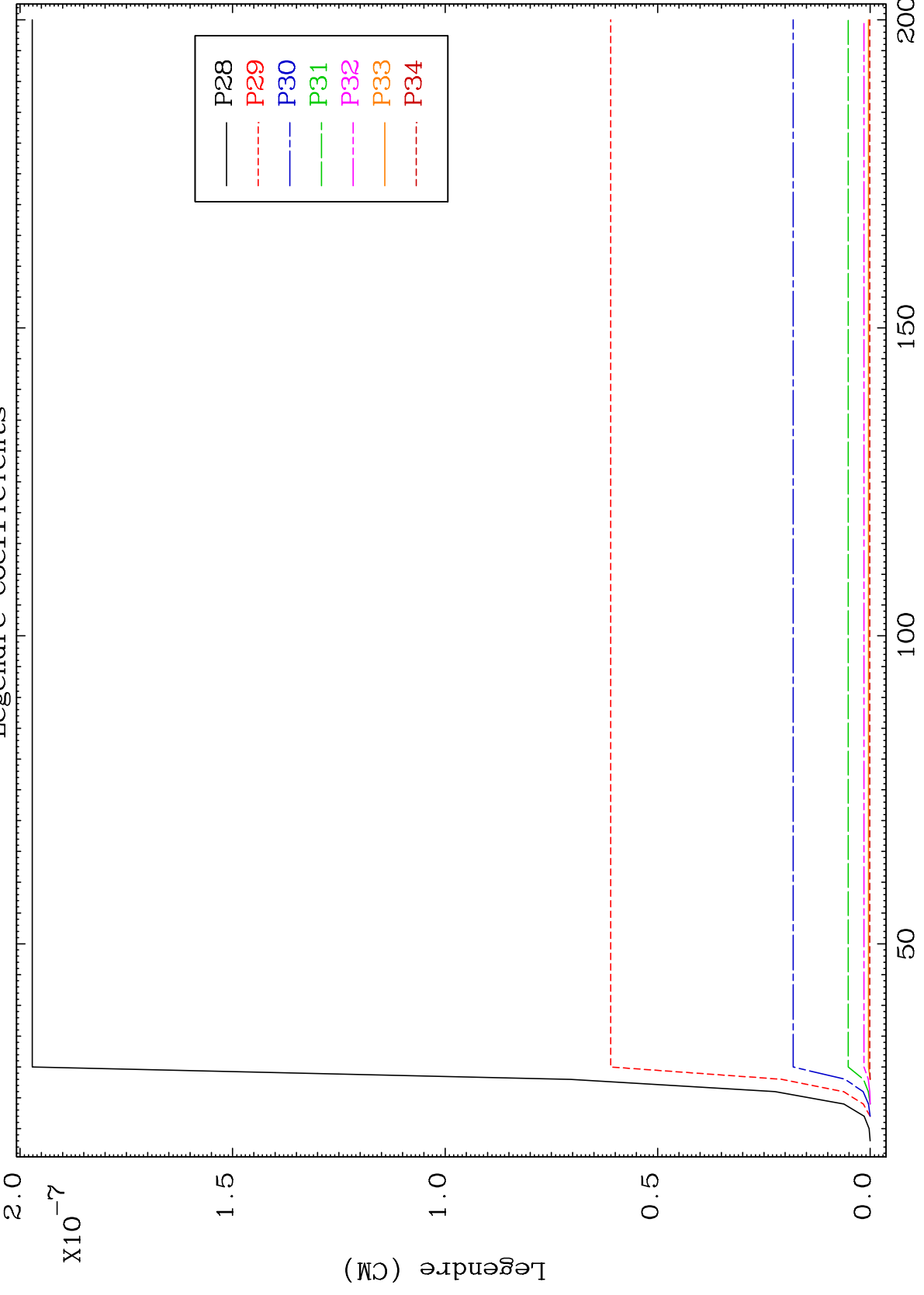


76

Incident Energy (MeV)

31-Ga-79

MAT 3155 MT= 65 (n,n') Level Legendre Coefficients 31-Ga-79

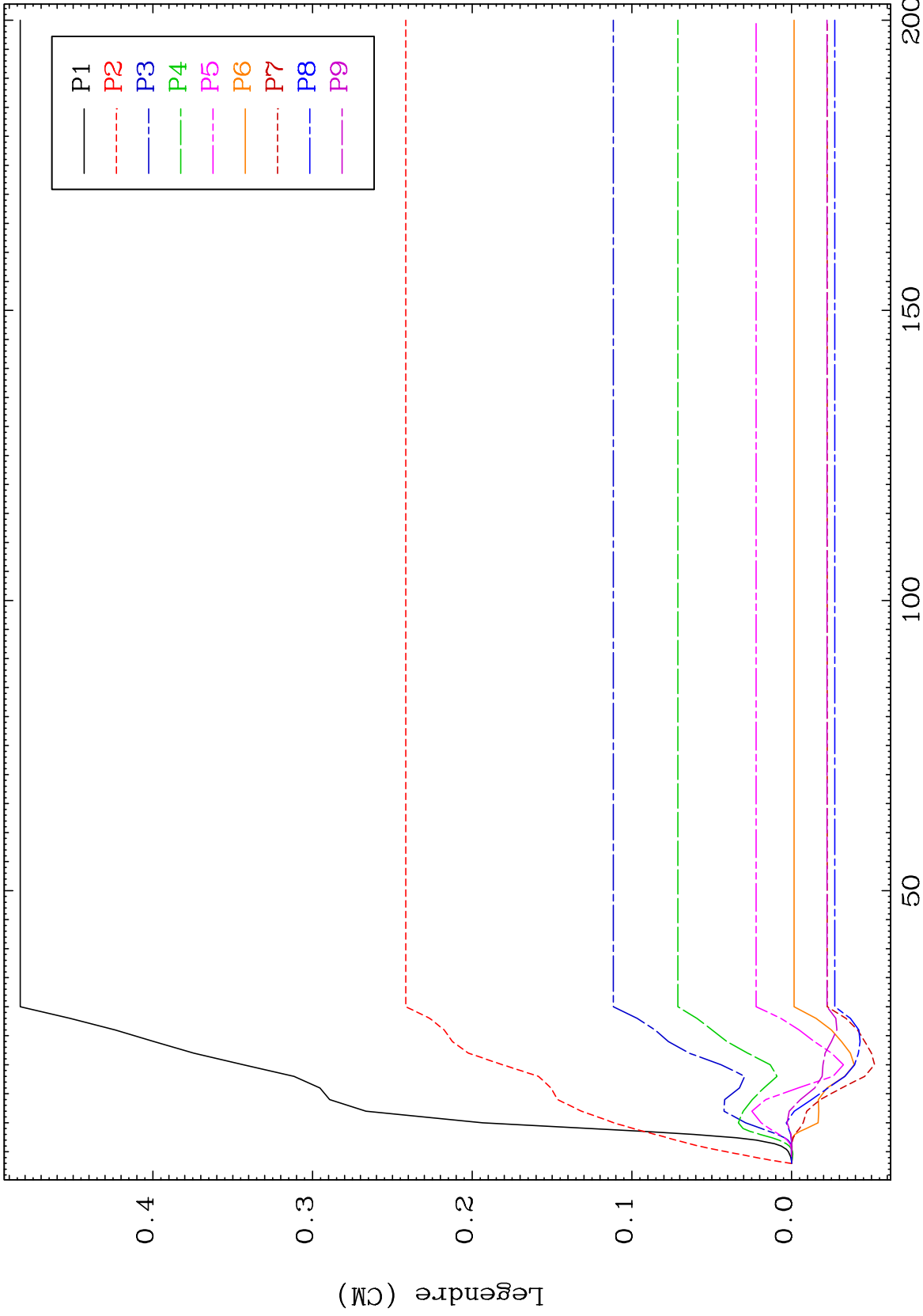


77 31-Ga-79

MAT 3155

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

31-Ga-79



78

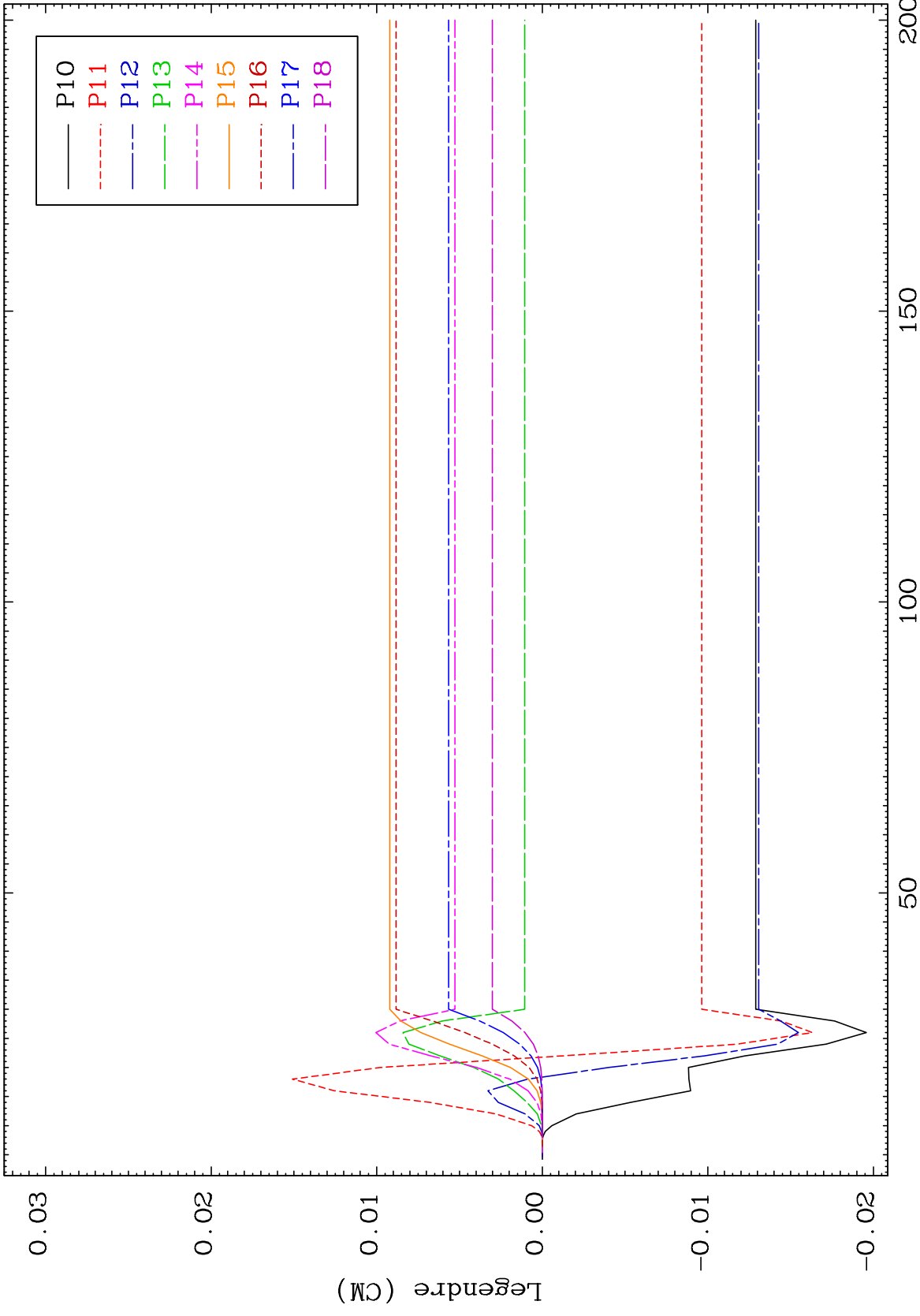
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



79

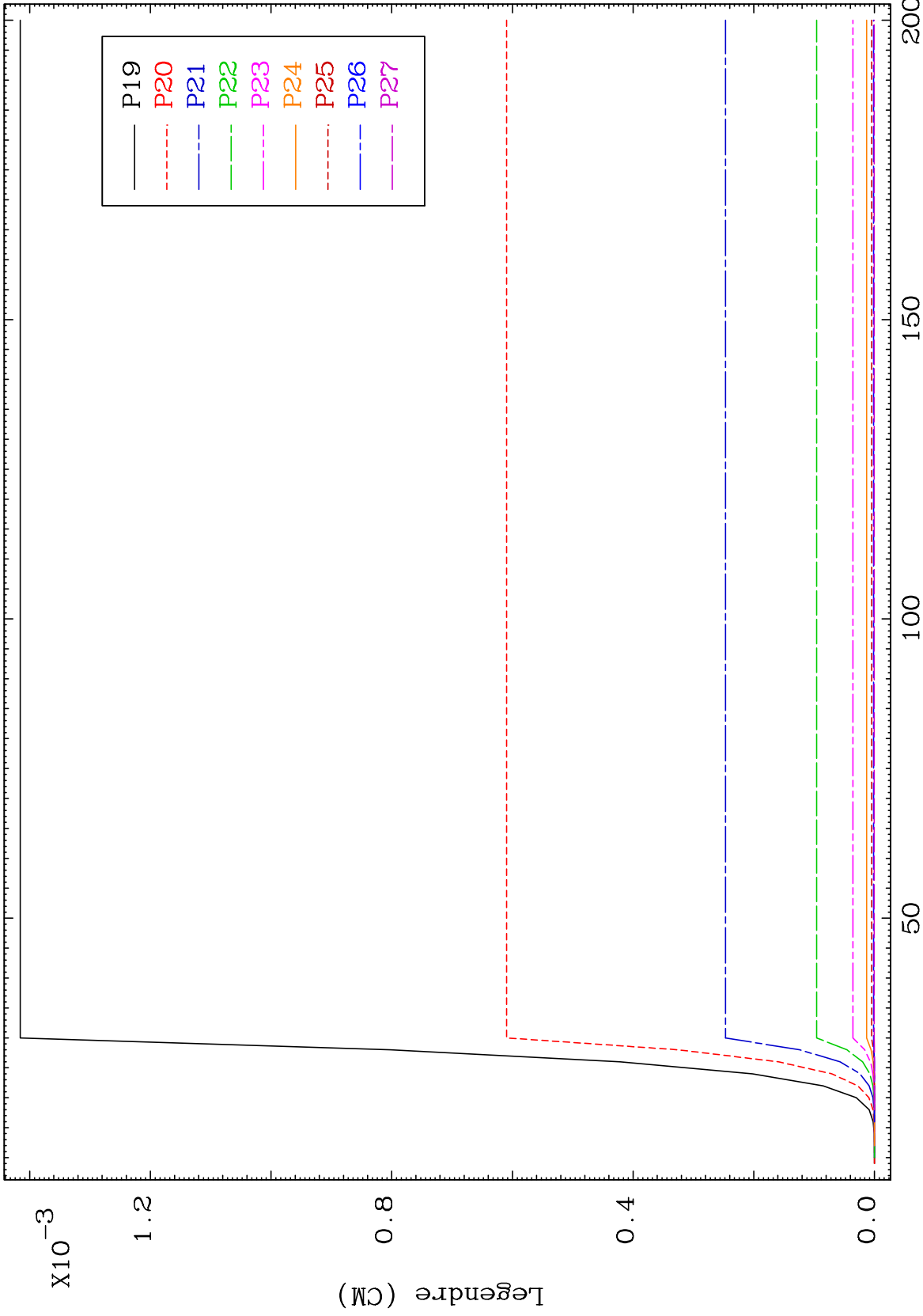
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



80

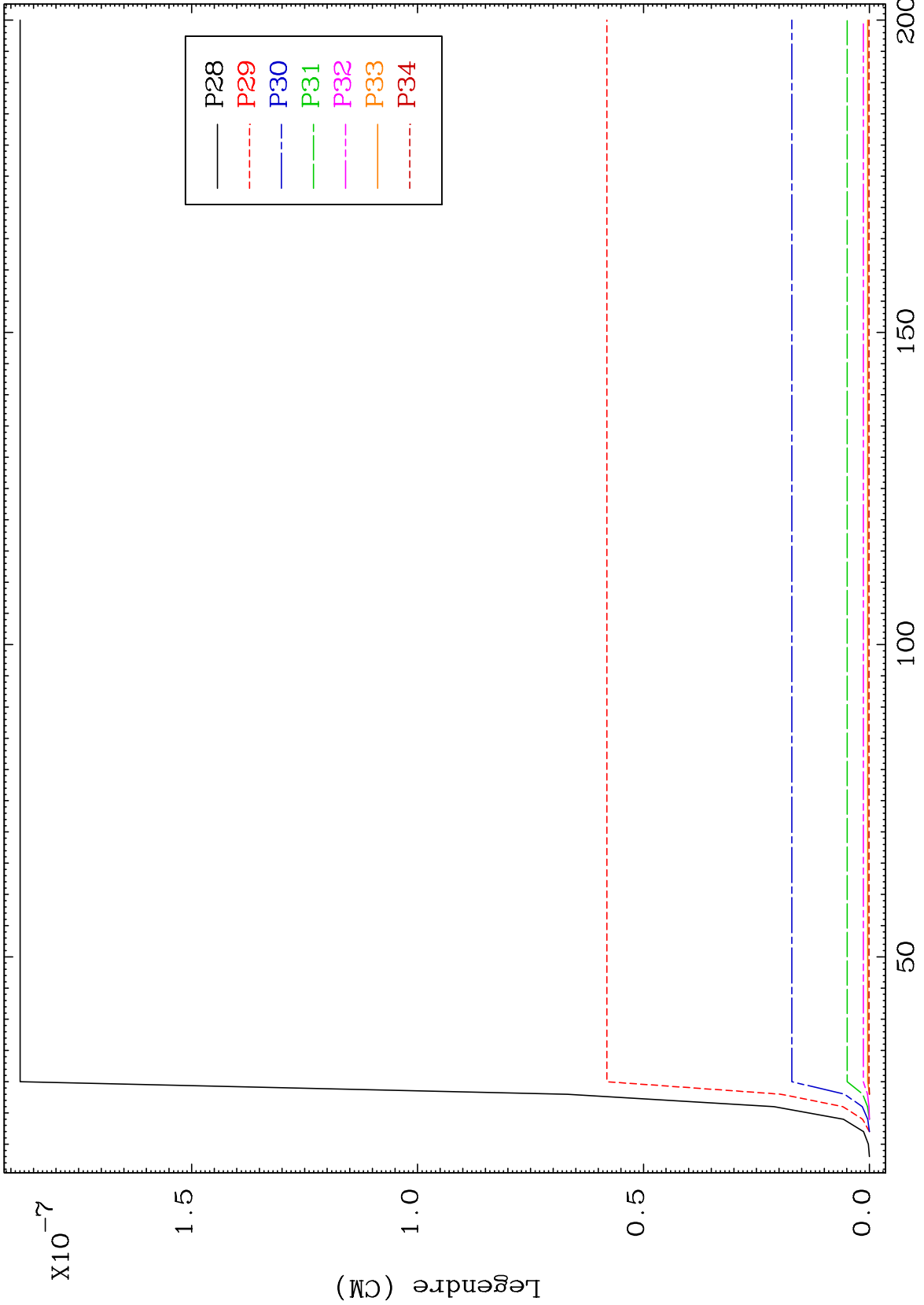
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



81

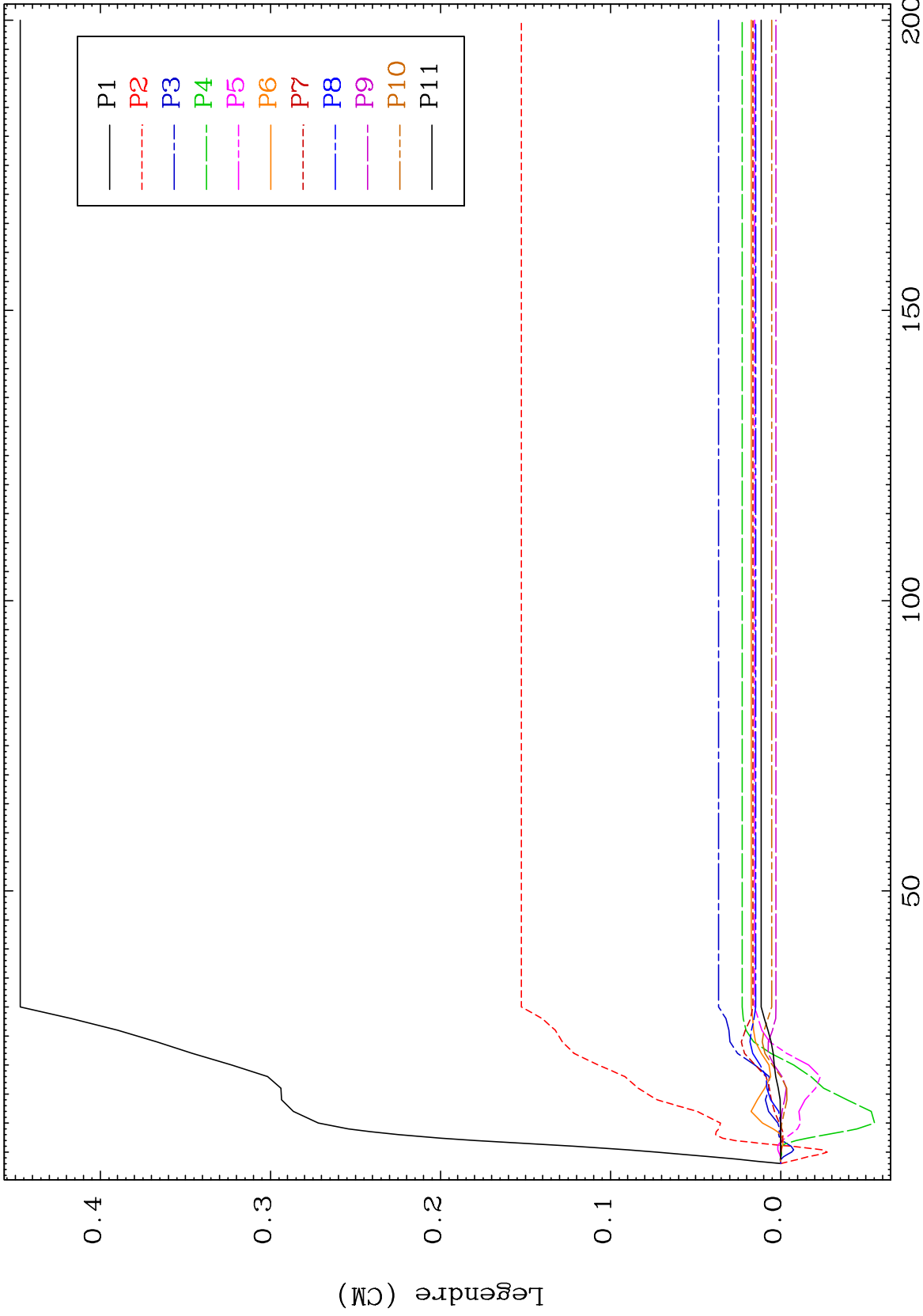
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



82

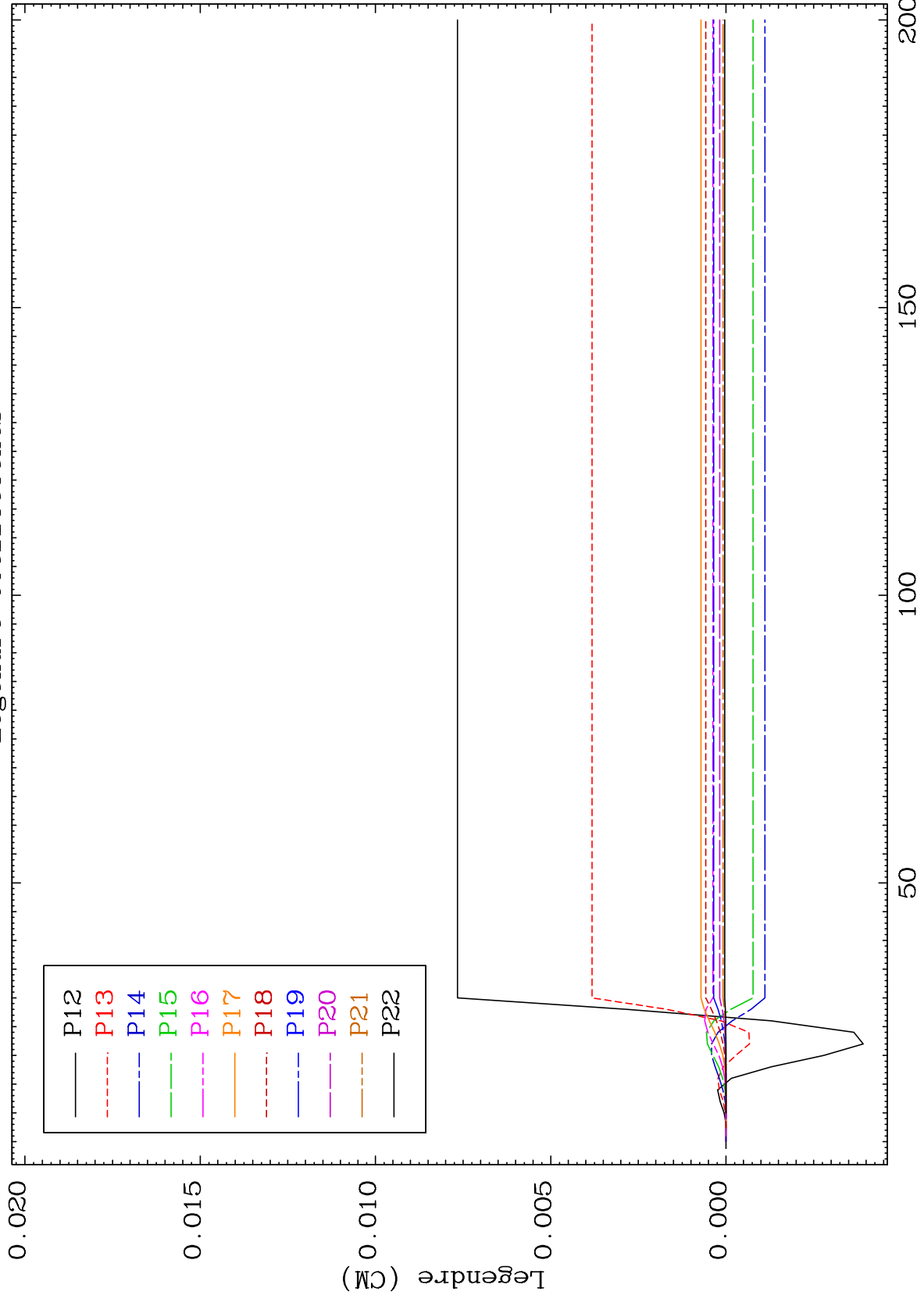
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



83

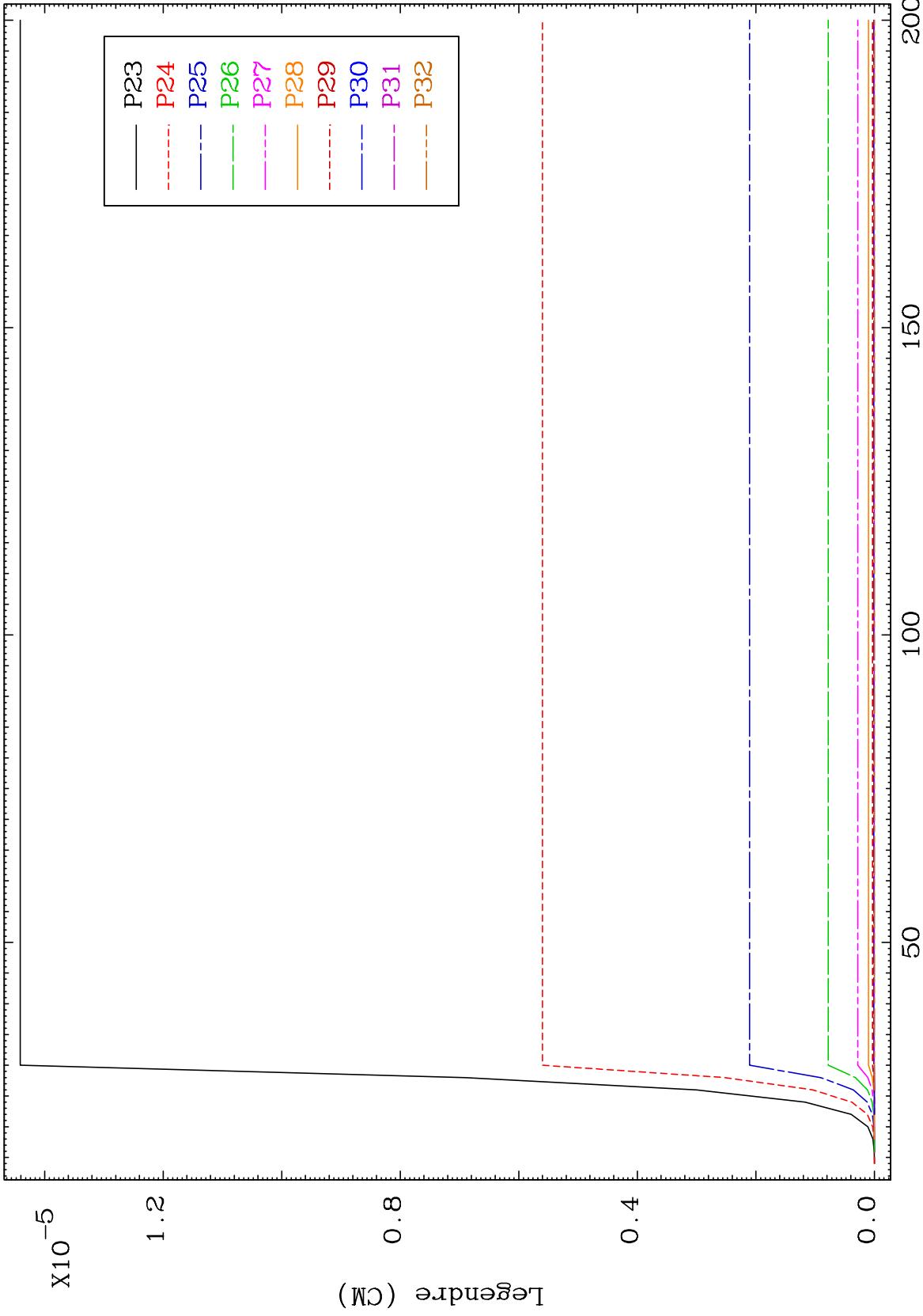
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



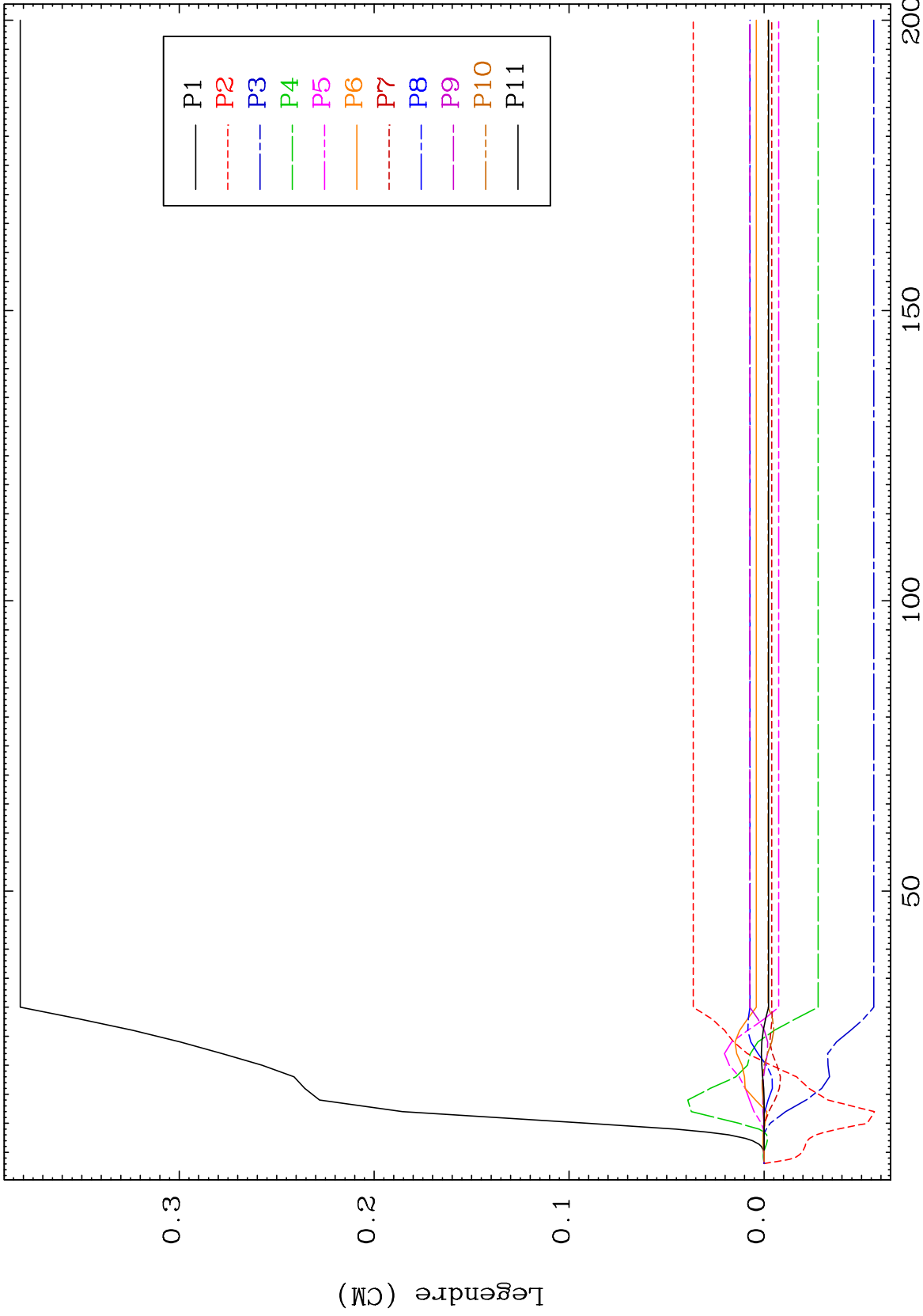
84

31-Ga-79

MAT 3155

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

31-Ga-79



85

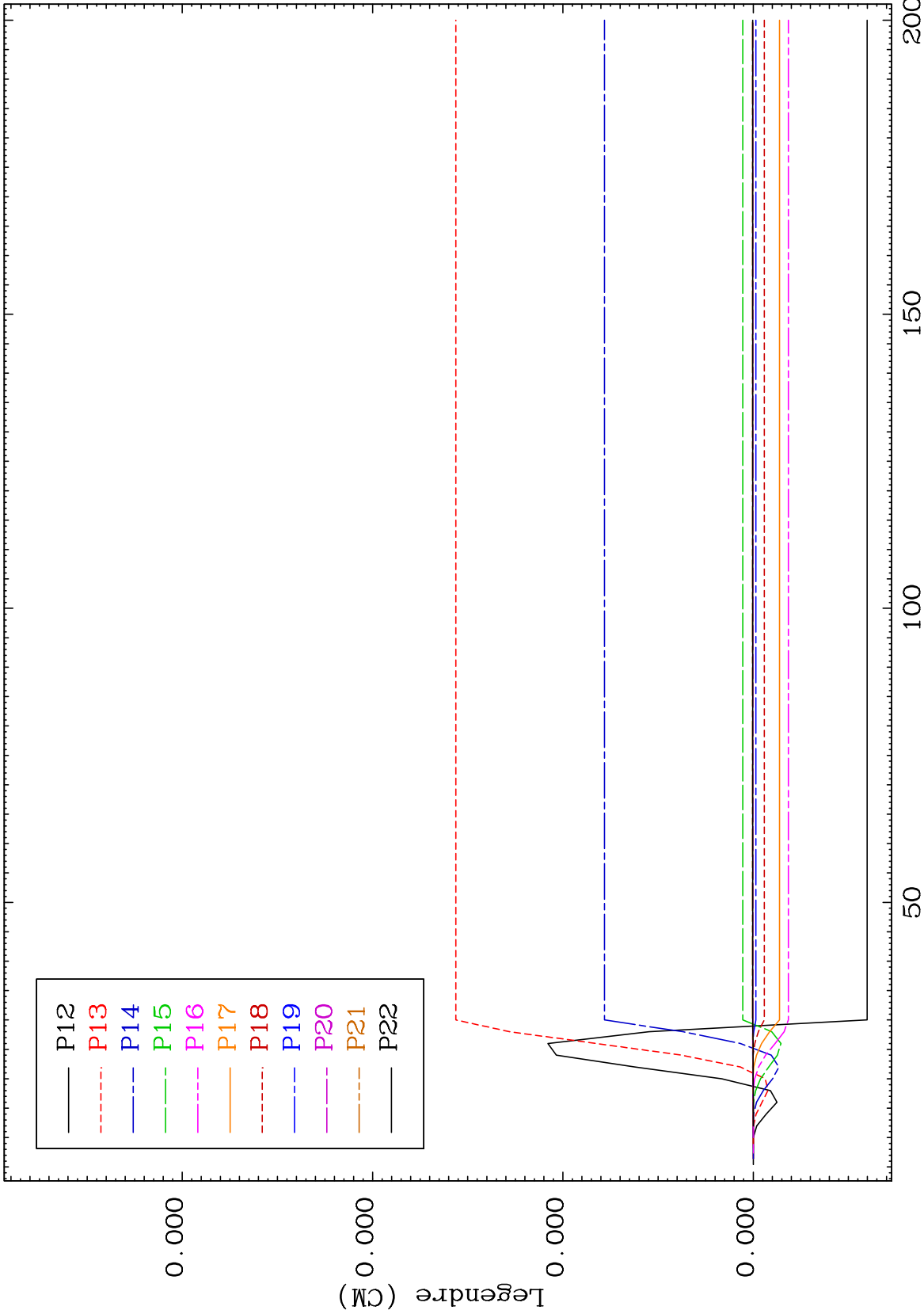
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

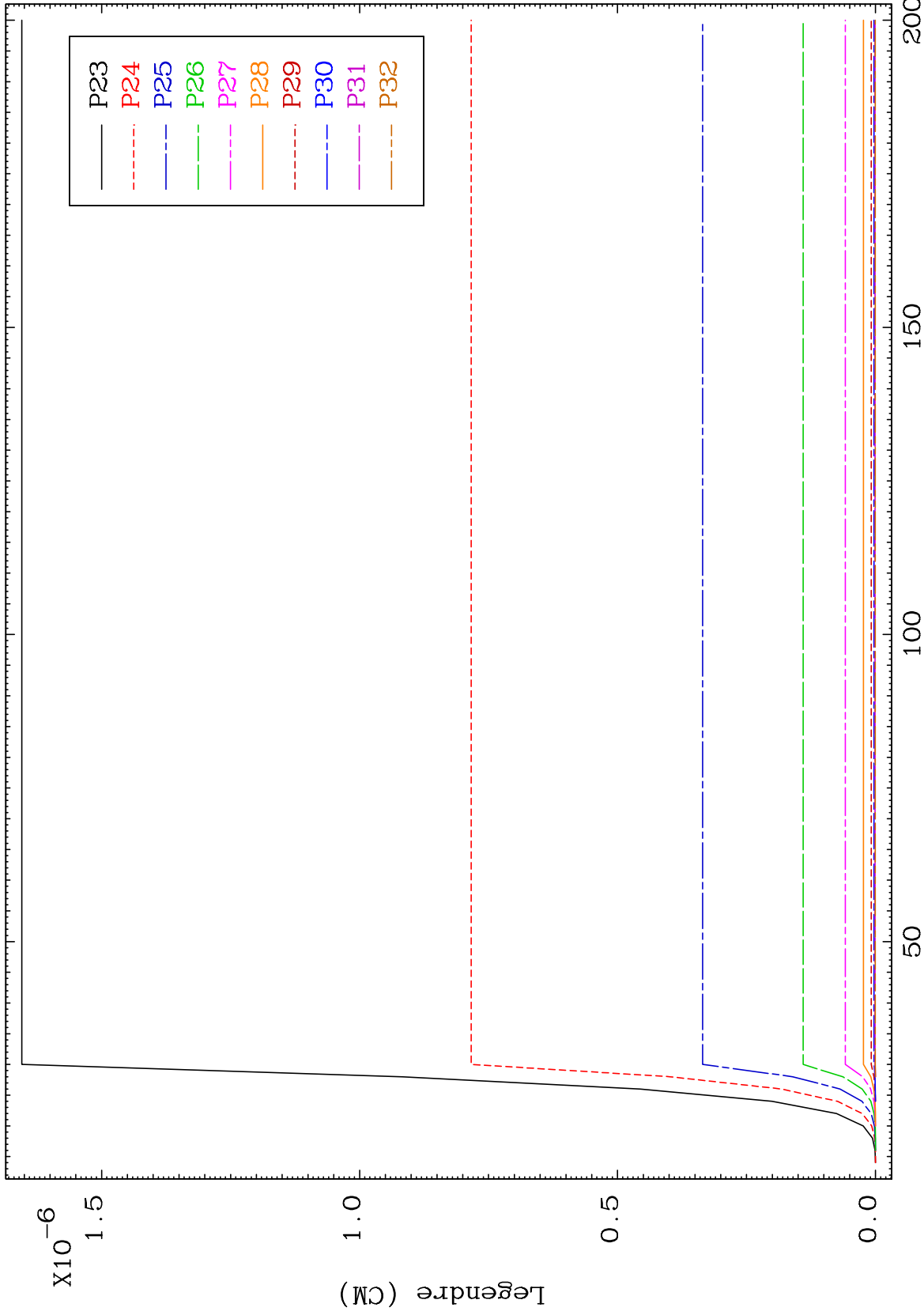
31-Ga-79



MAT 3155

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

31-Ga-79



87

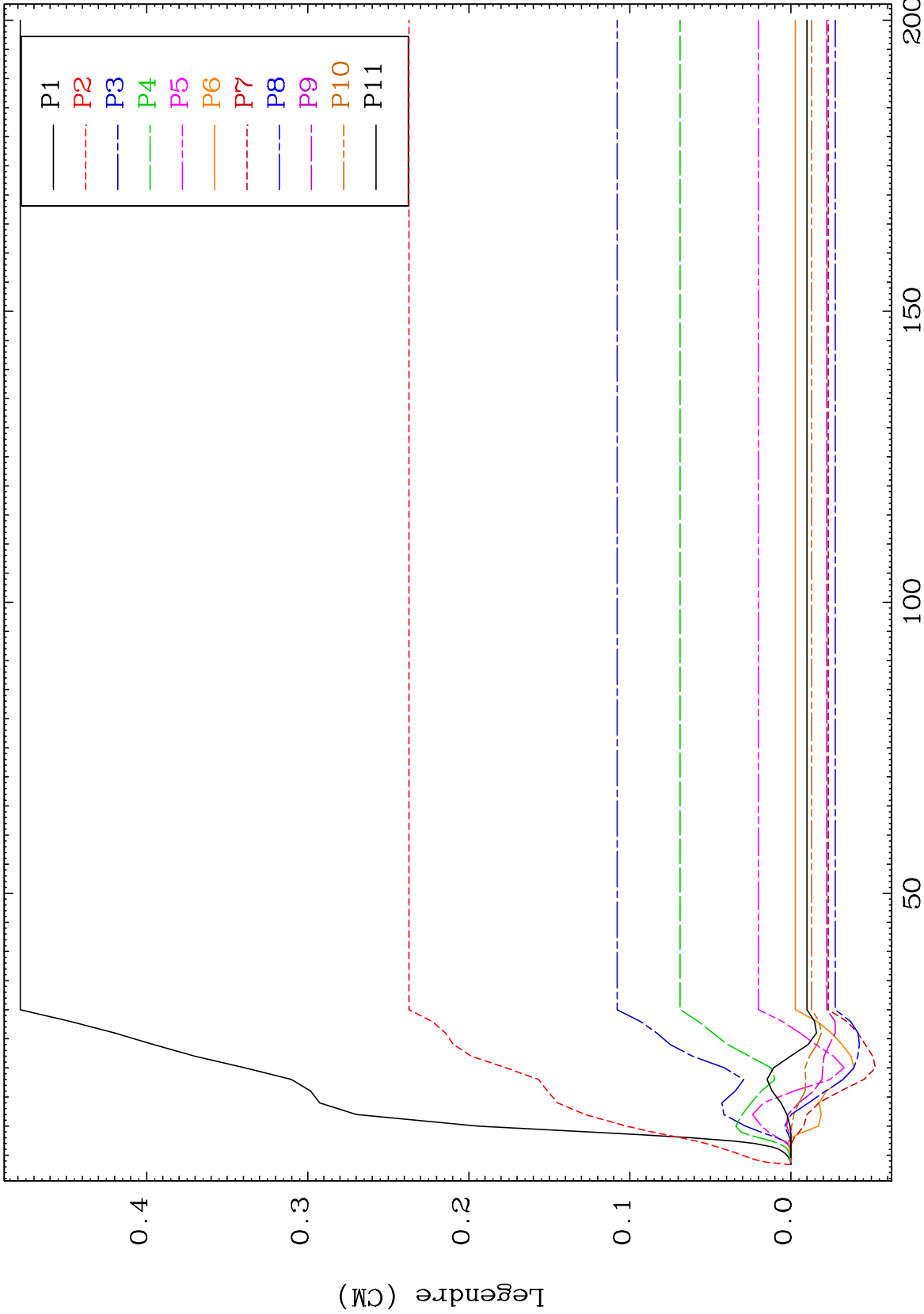
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

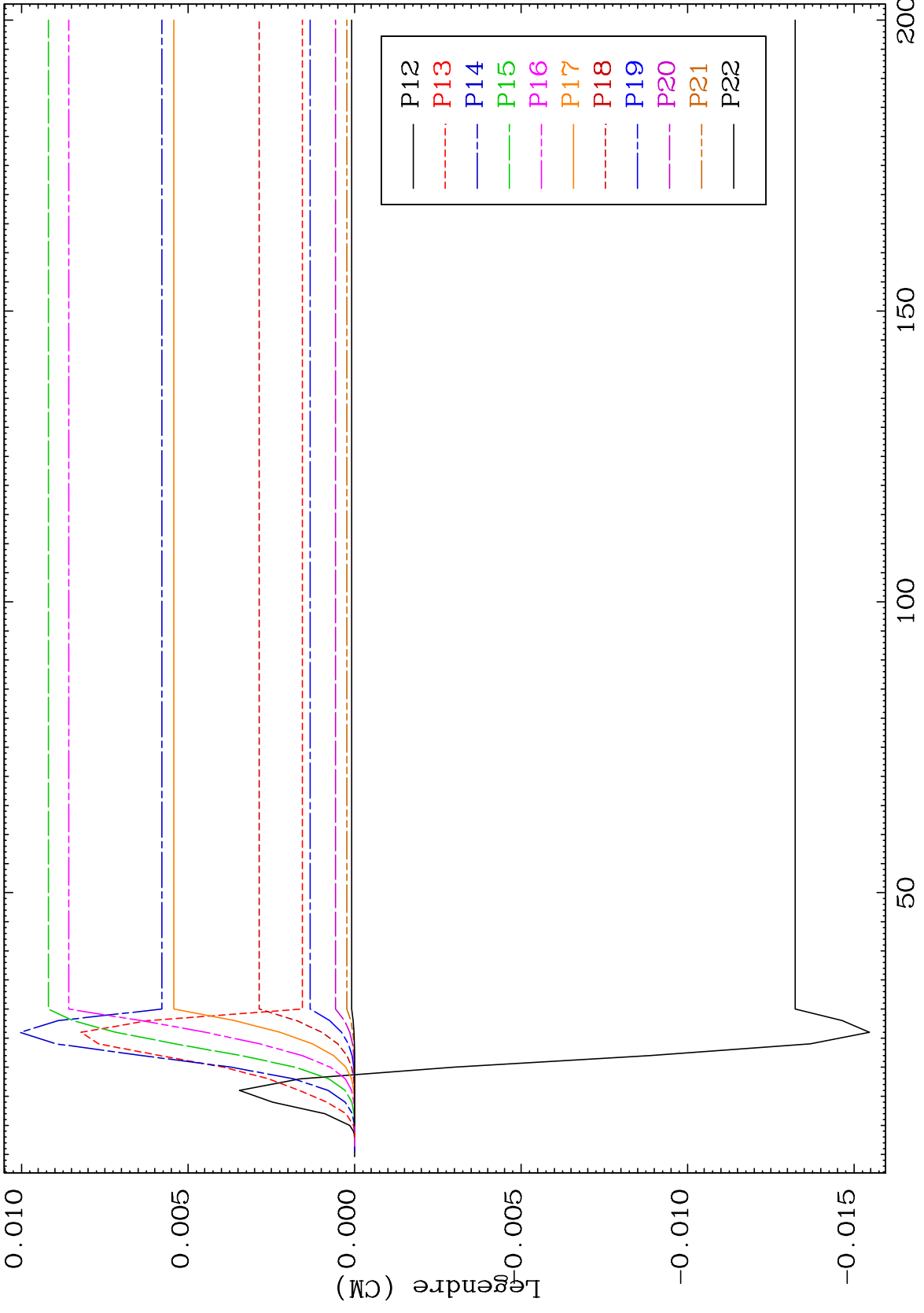
31-Ga-79



88

Incident Energy (MeV)

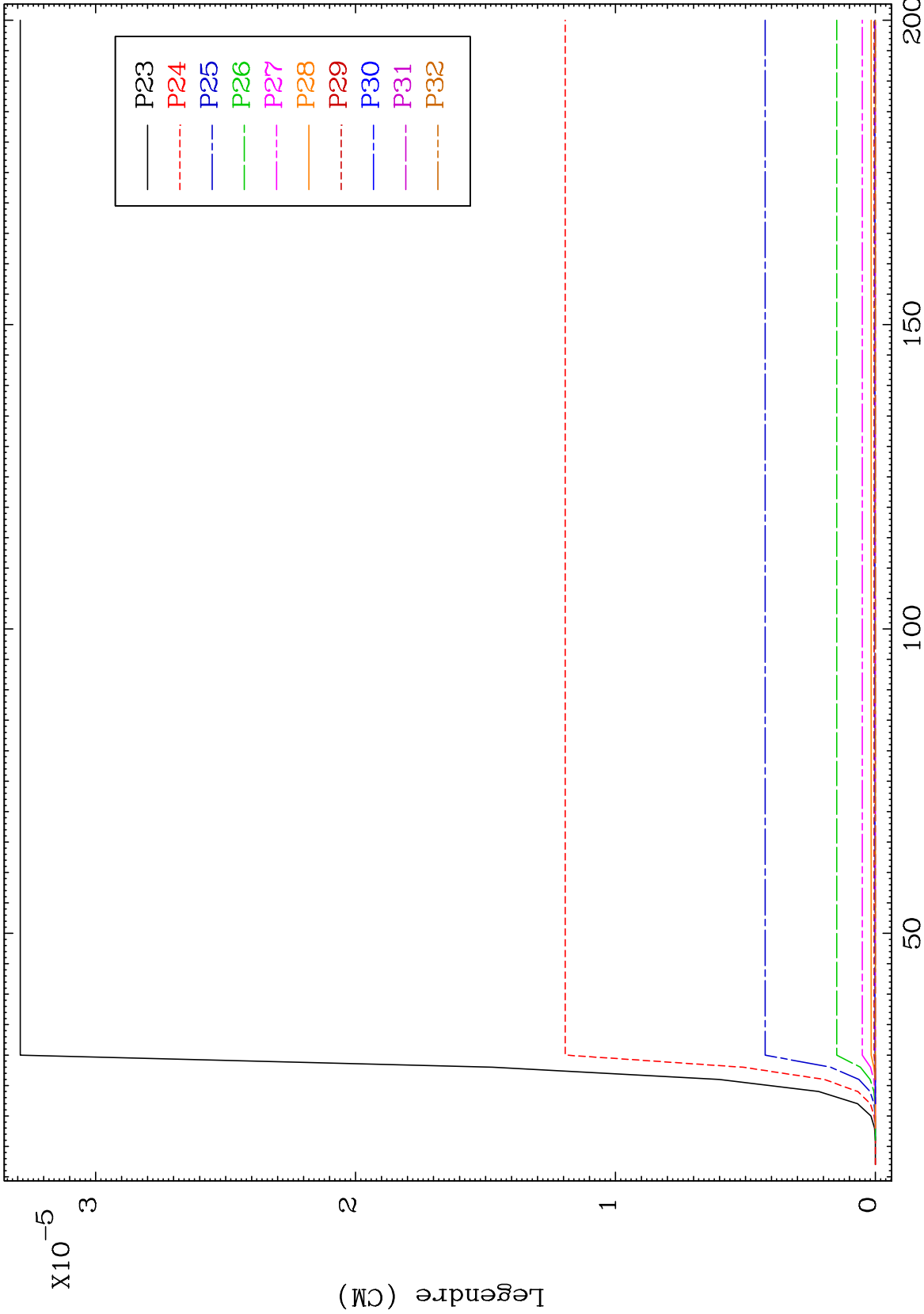
31-Ga-79



MAT 3155

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

31-Ga-79



90

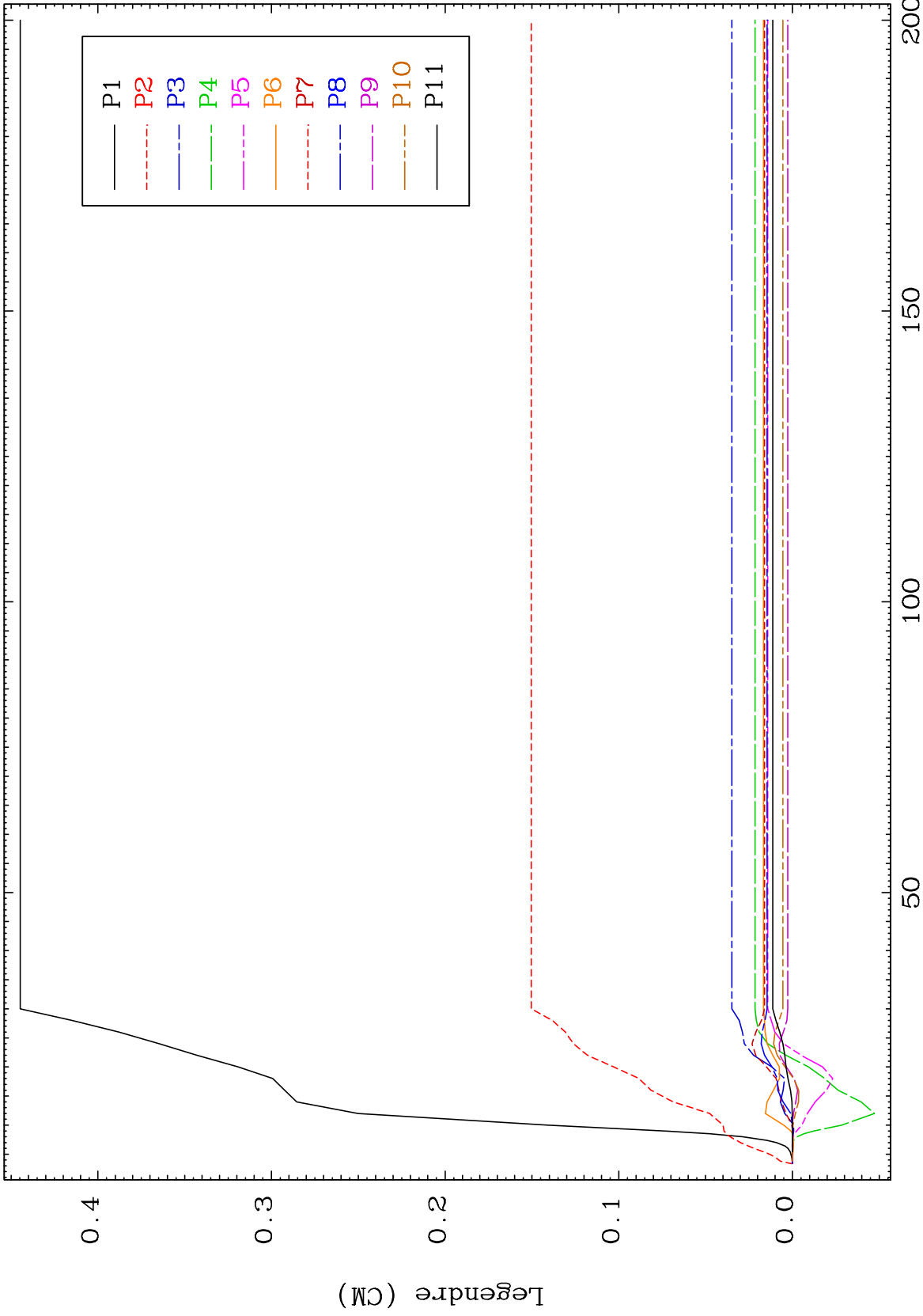
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



91

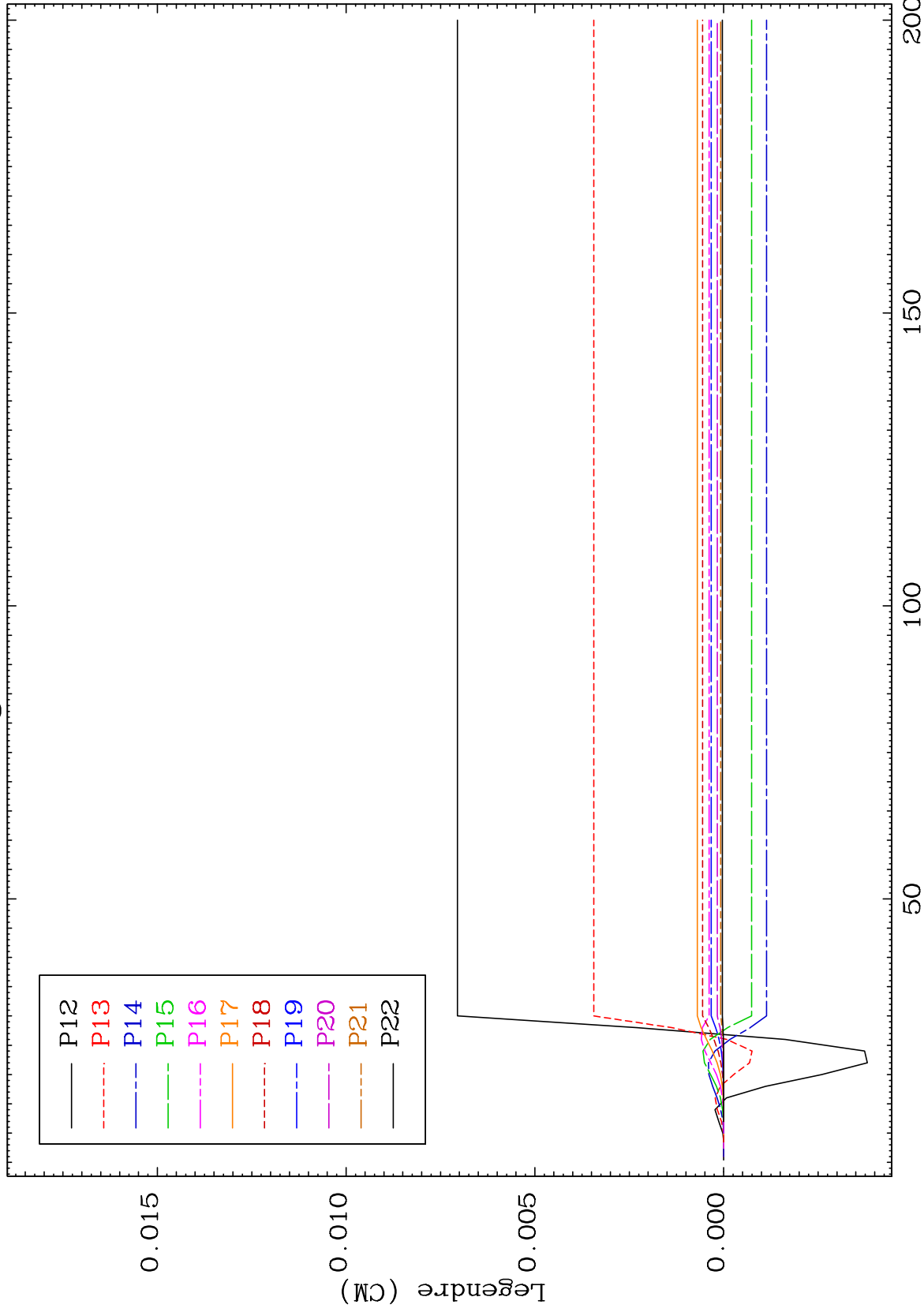
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



92

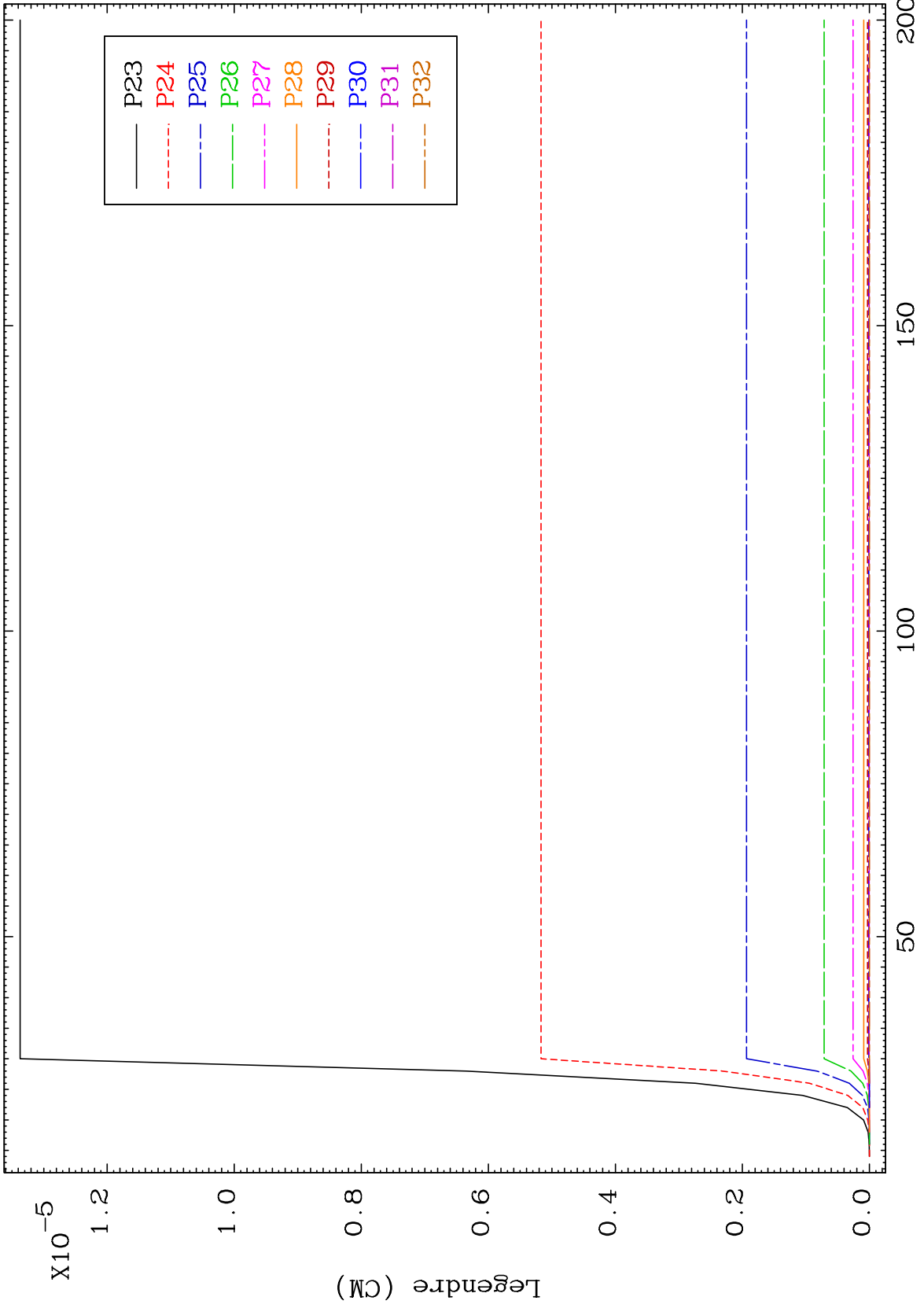
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



93

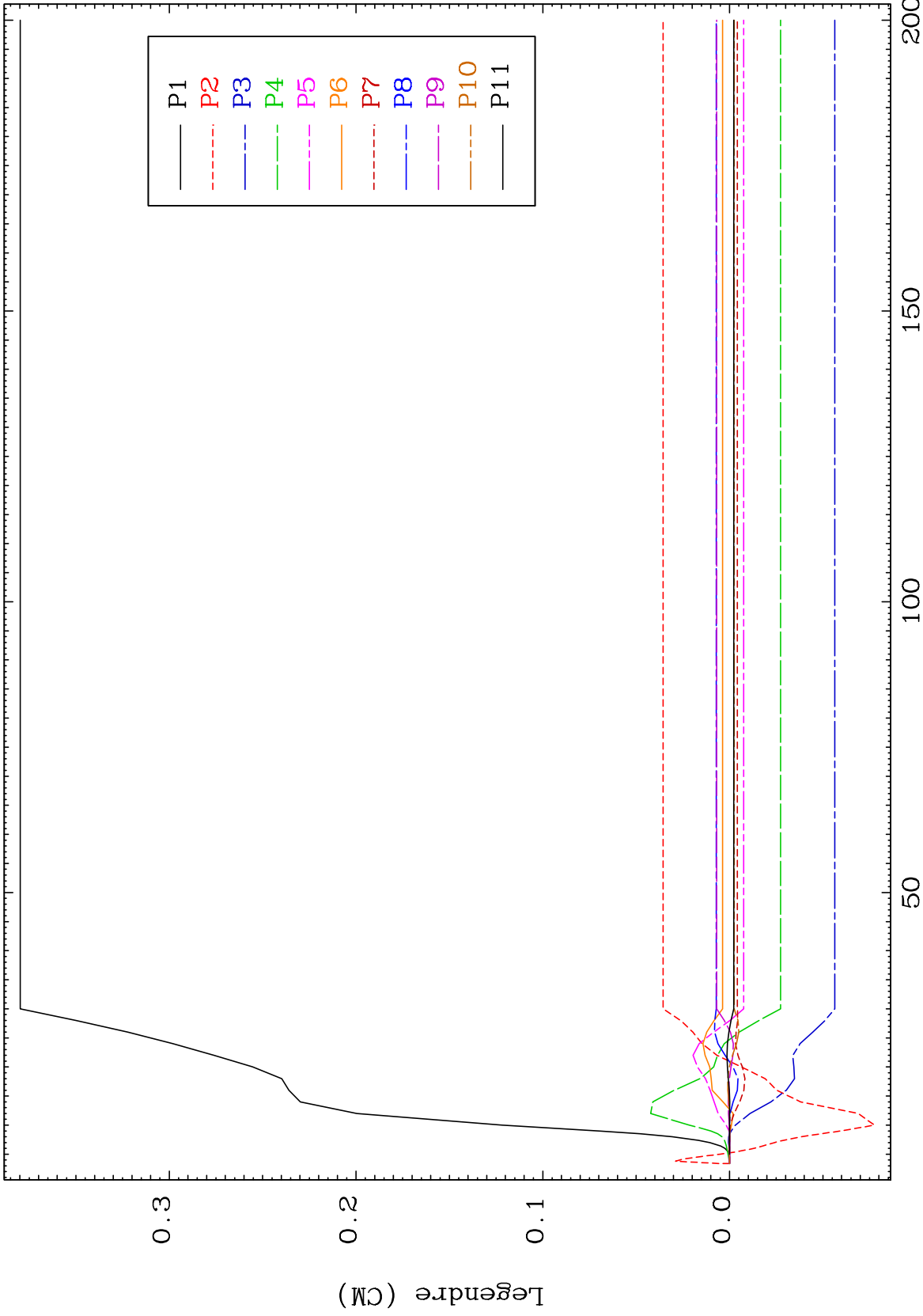
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



94

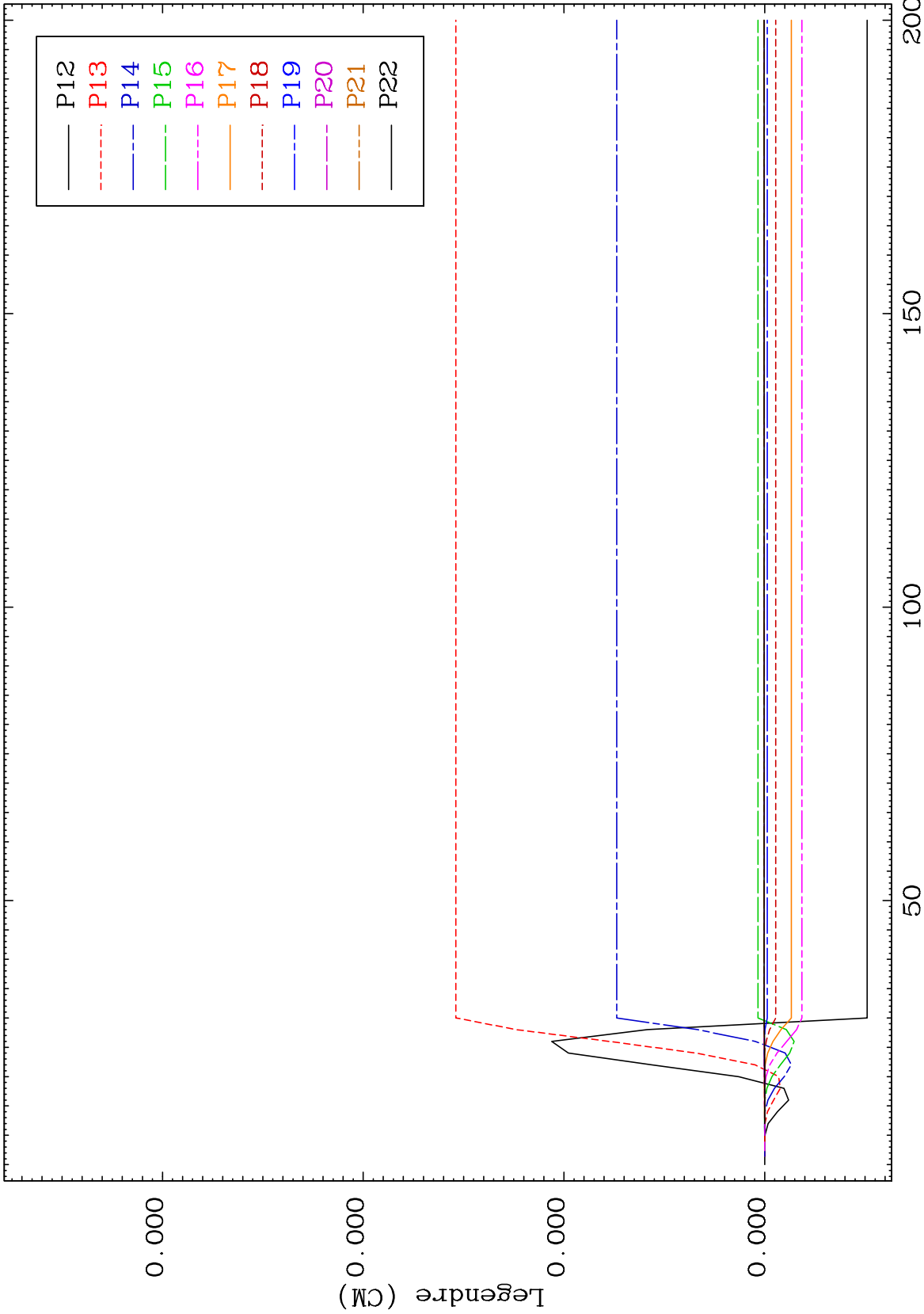
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



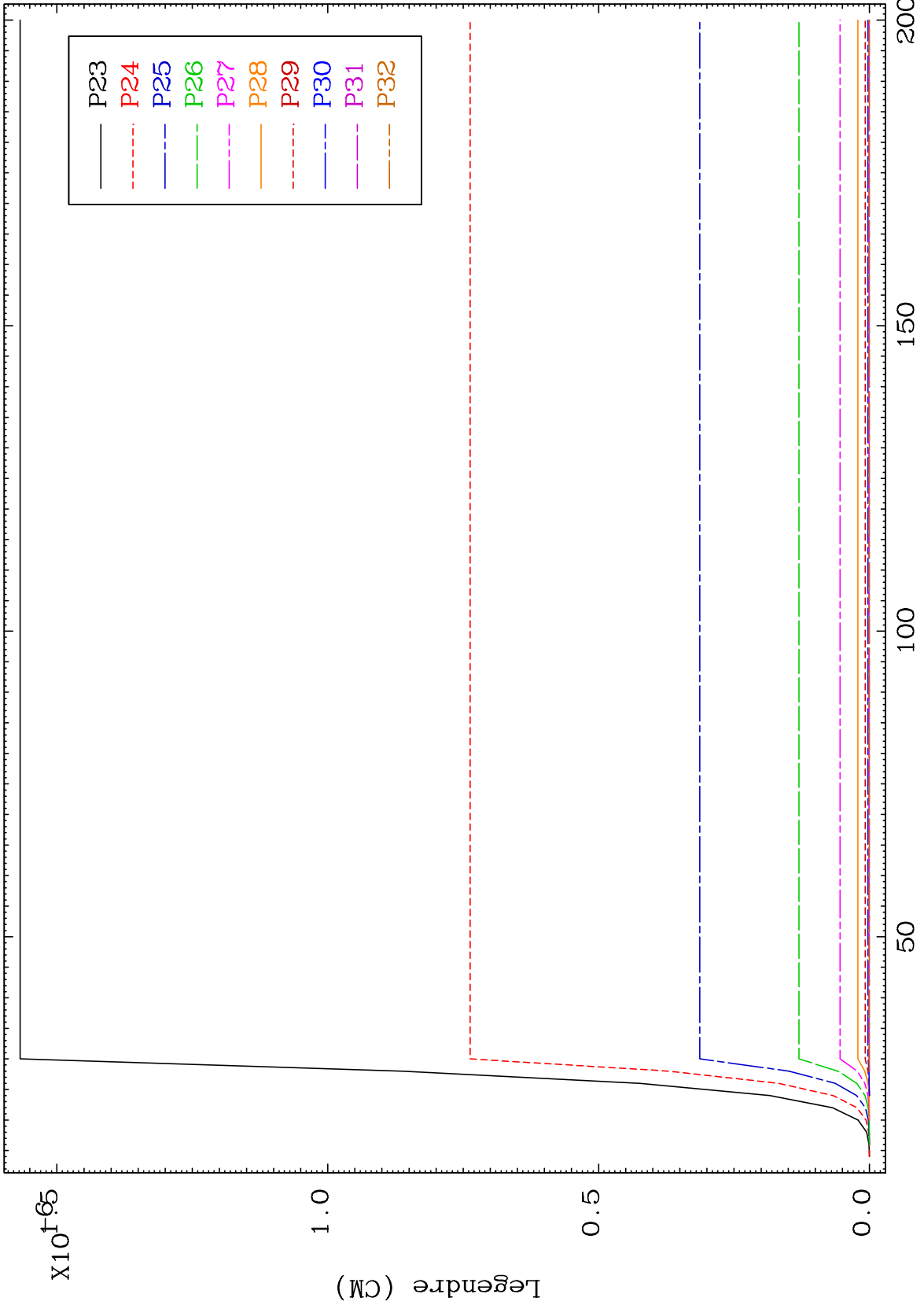
95

31-Ga-79

MAT 3155

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

31-Ga-79



96

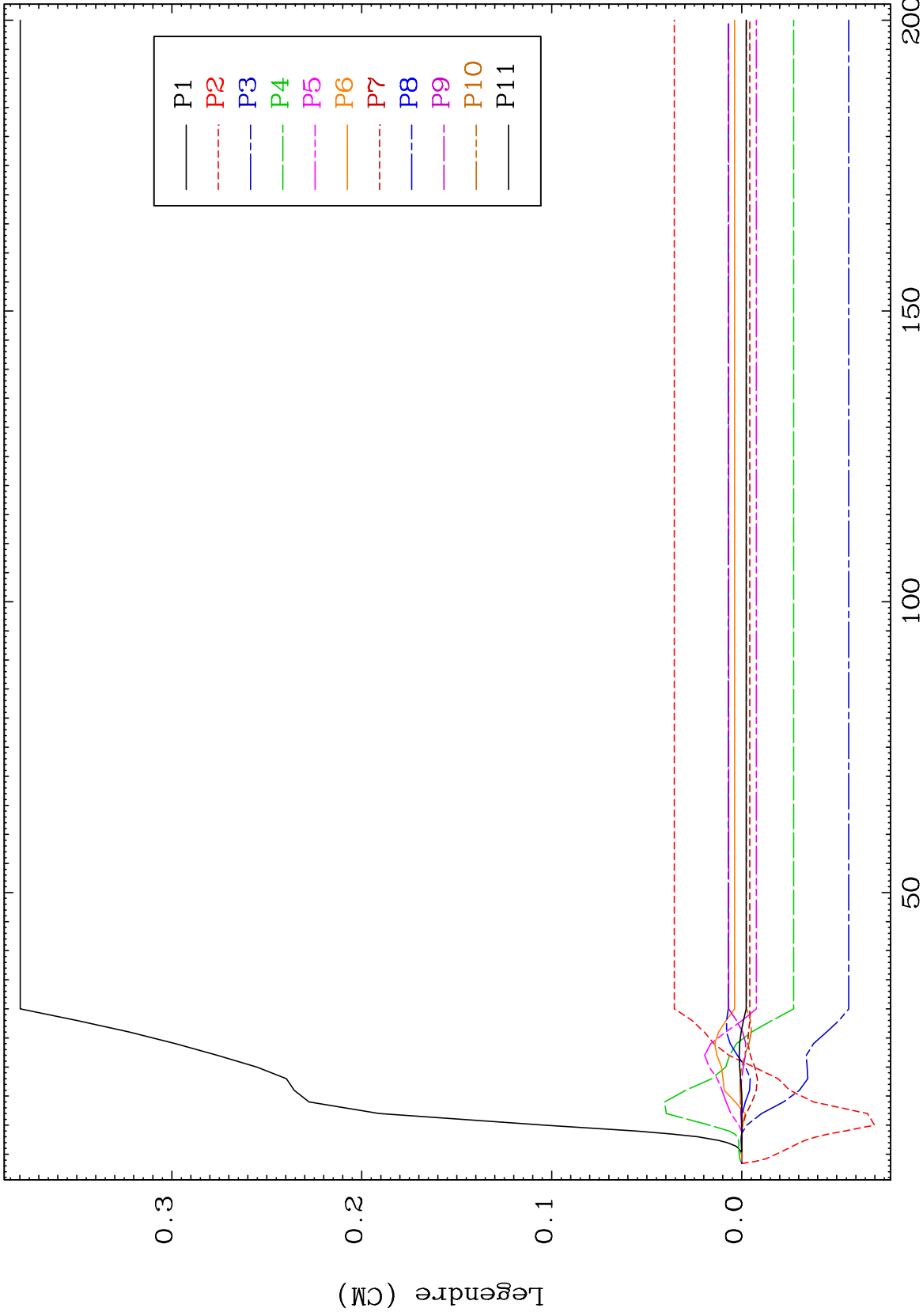
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

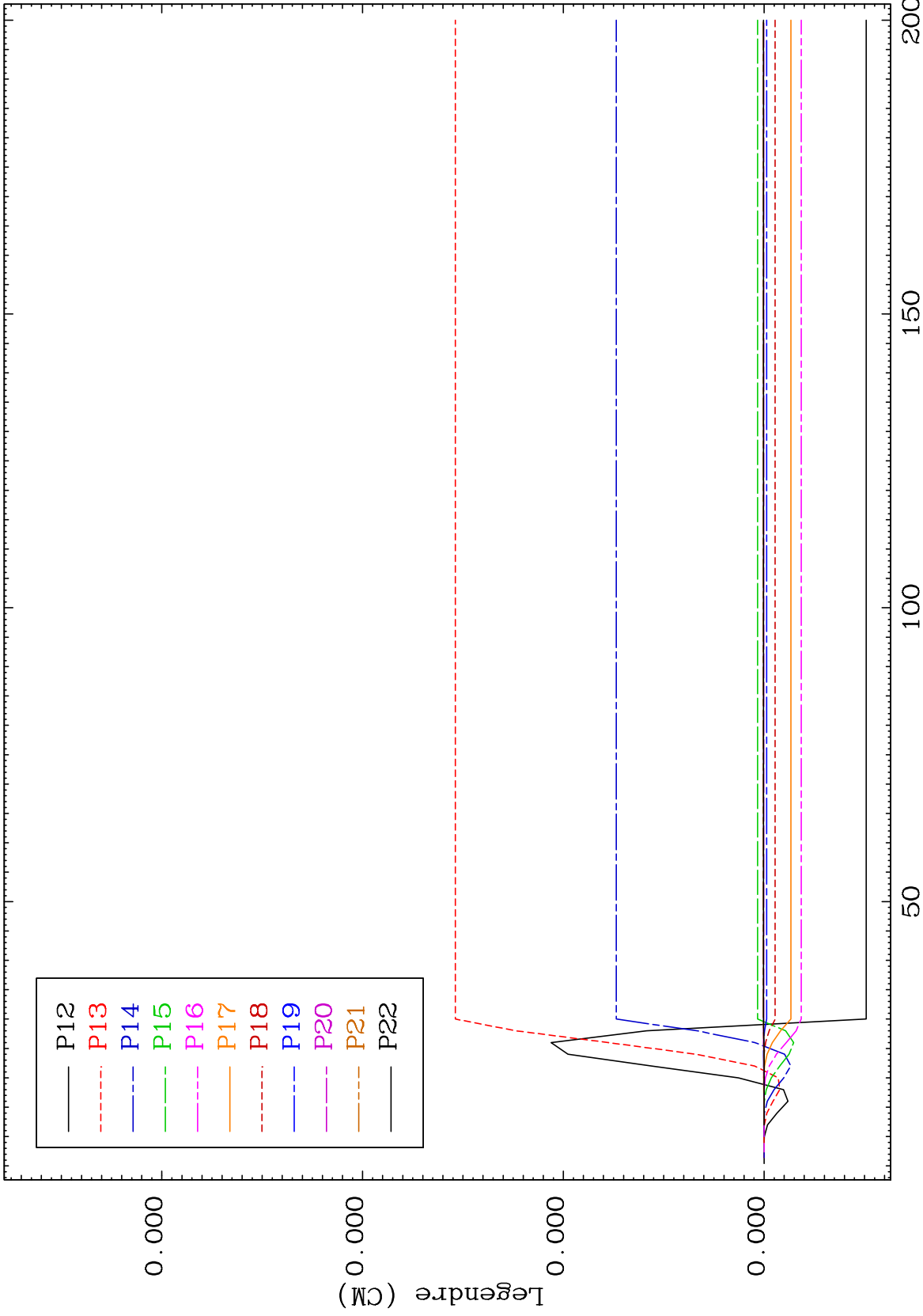
31-Ga-79



97

Incident Energy (MeV)

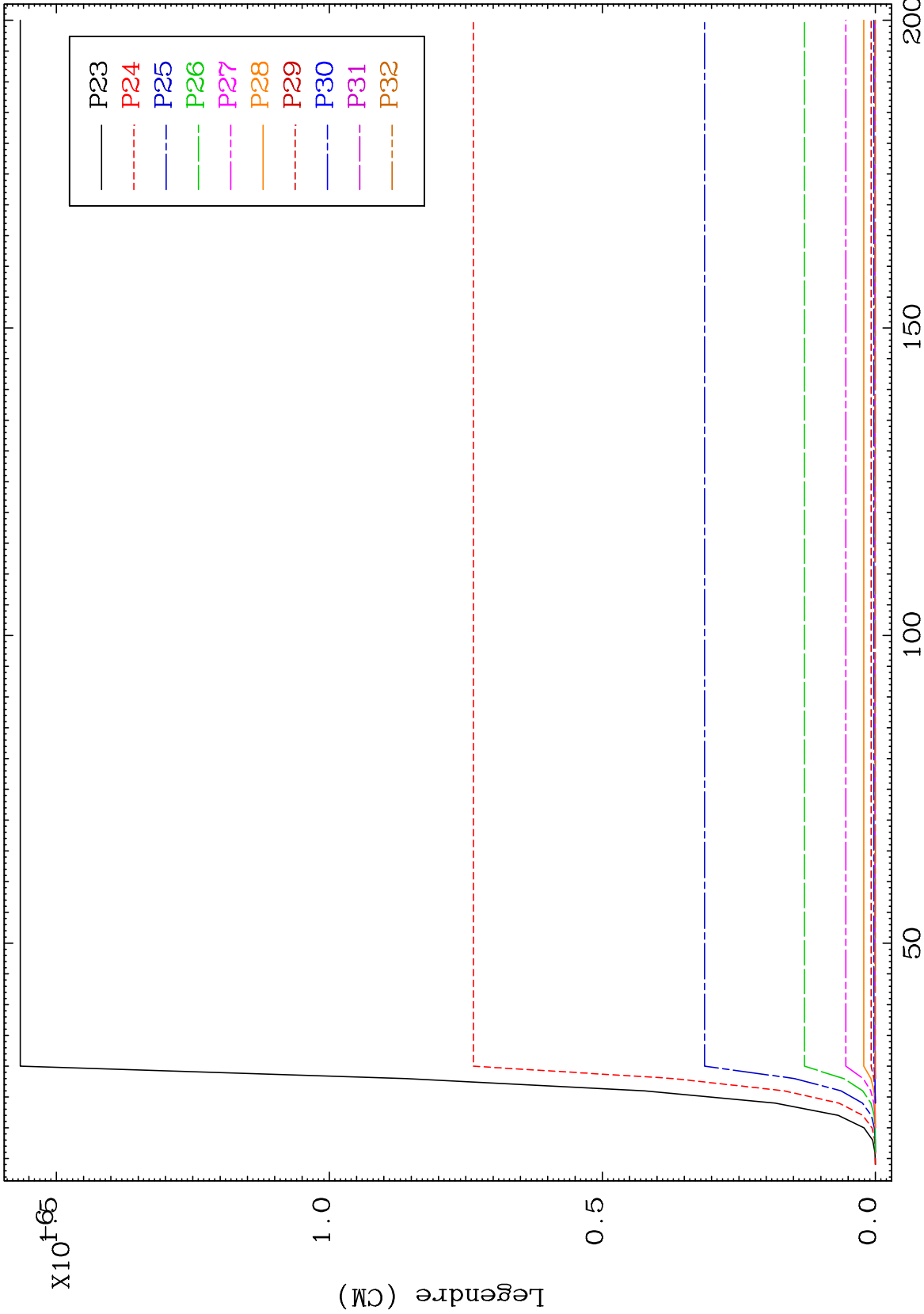
31-Ga-79



MAT 3155

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

31-Ga-79



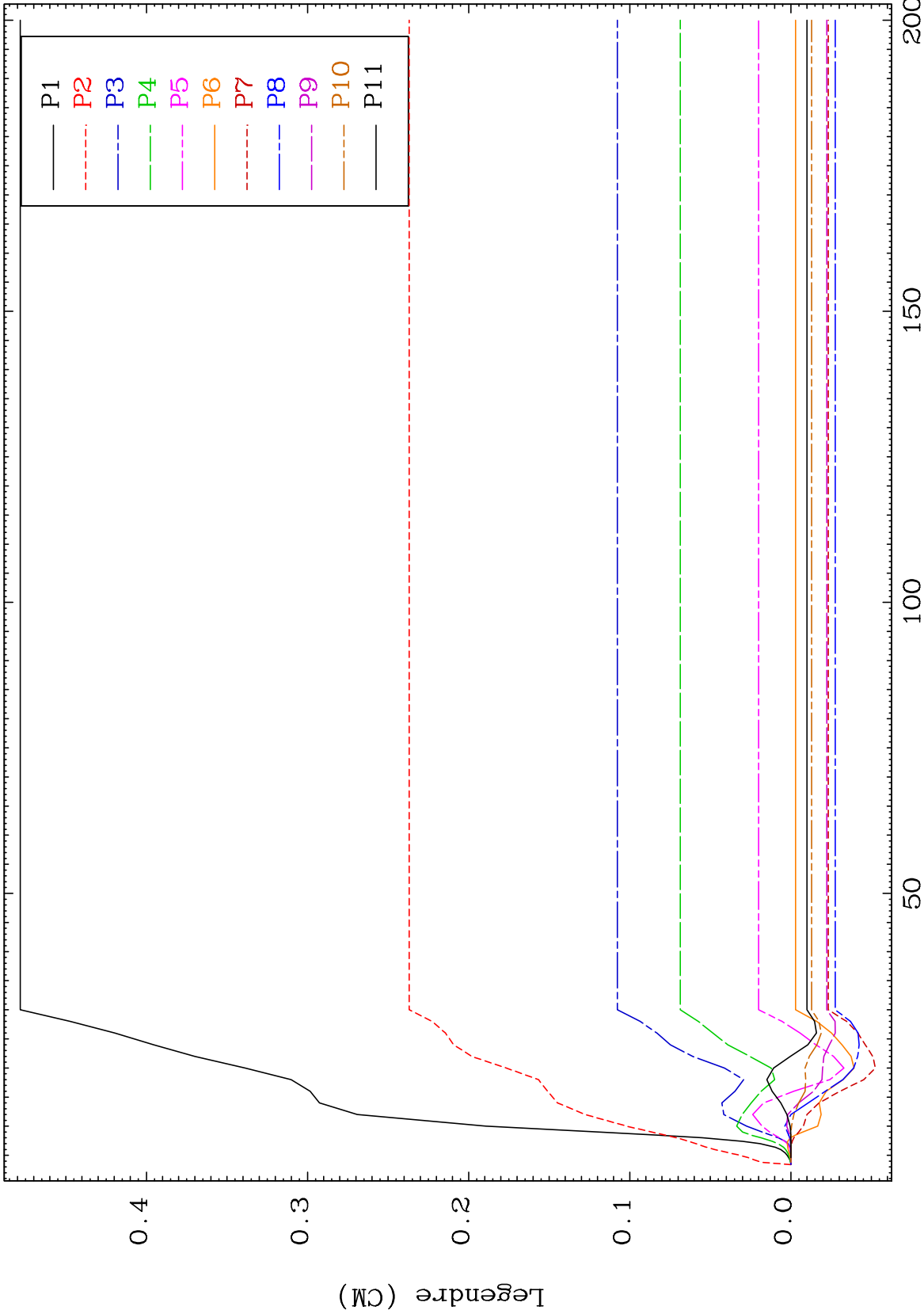
99

31-Ga-79

MAT 3155

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

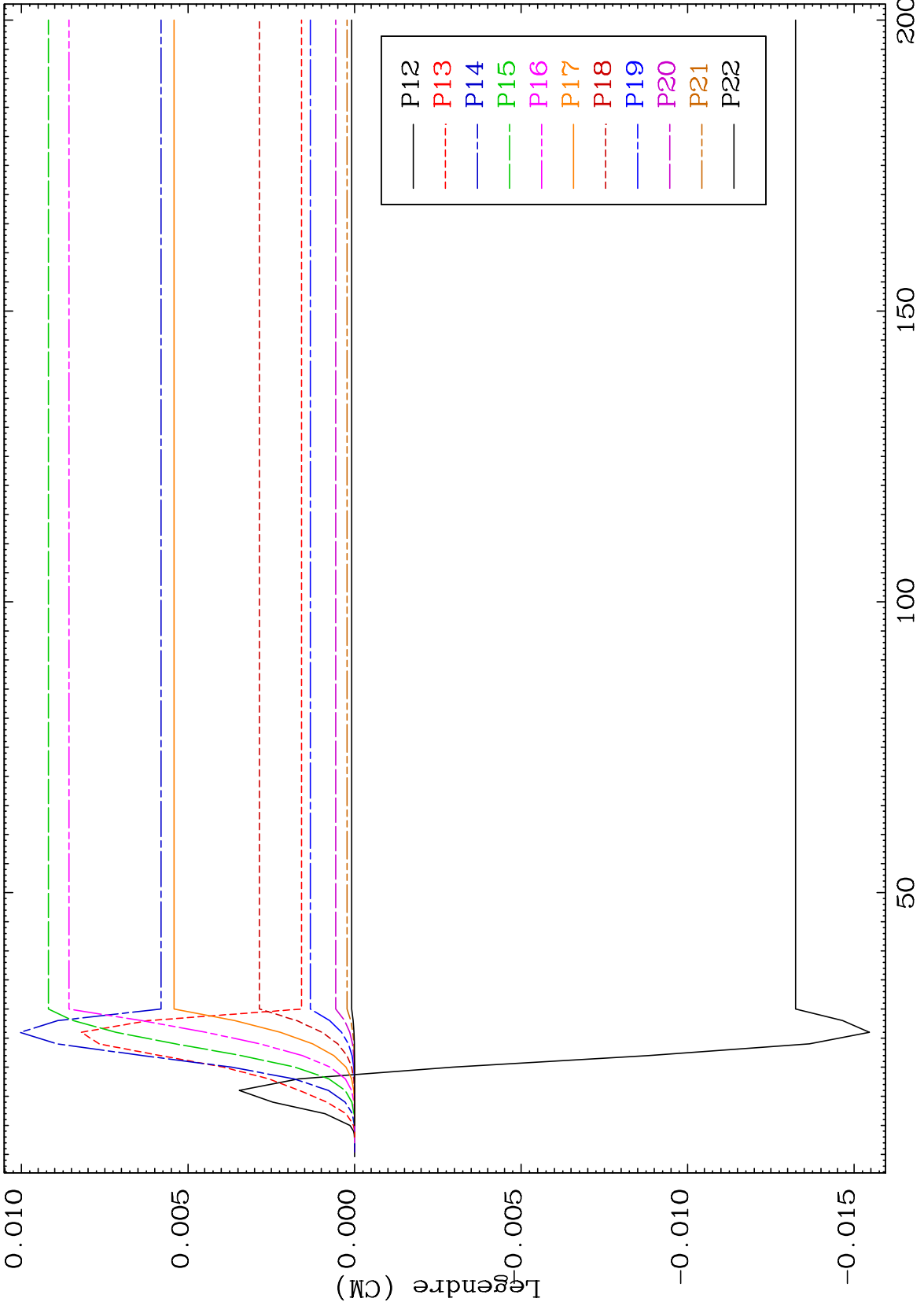
31-Ga-79



31-Ga-79

Incident Energy (MeV)

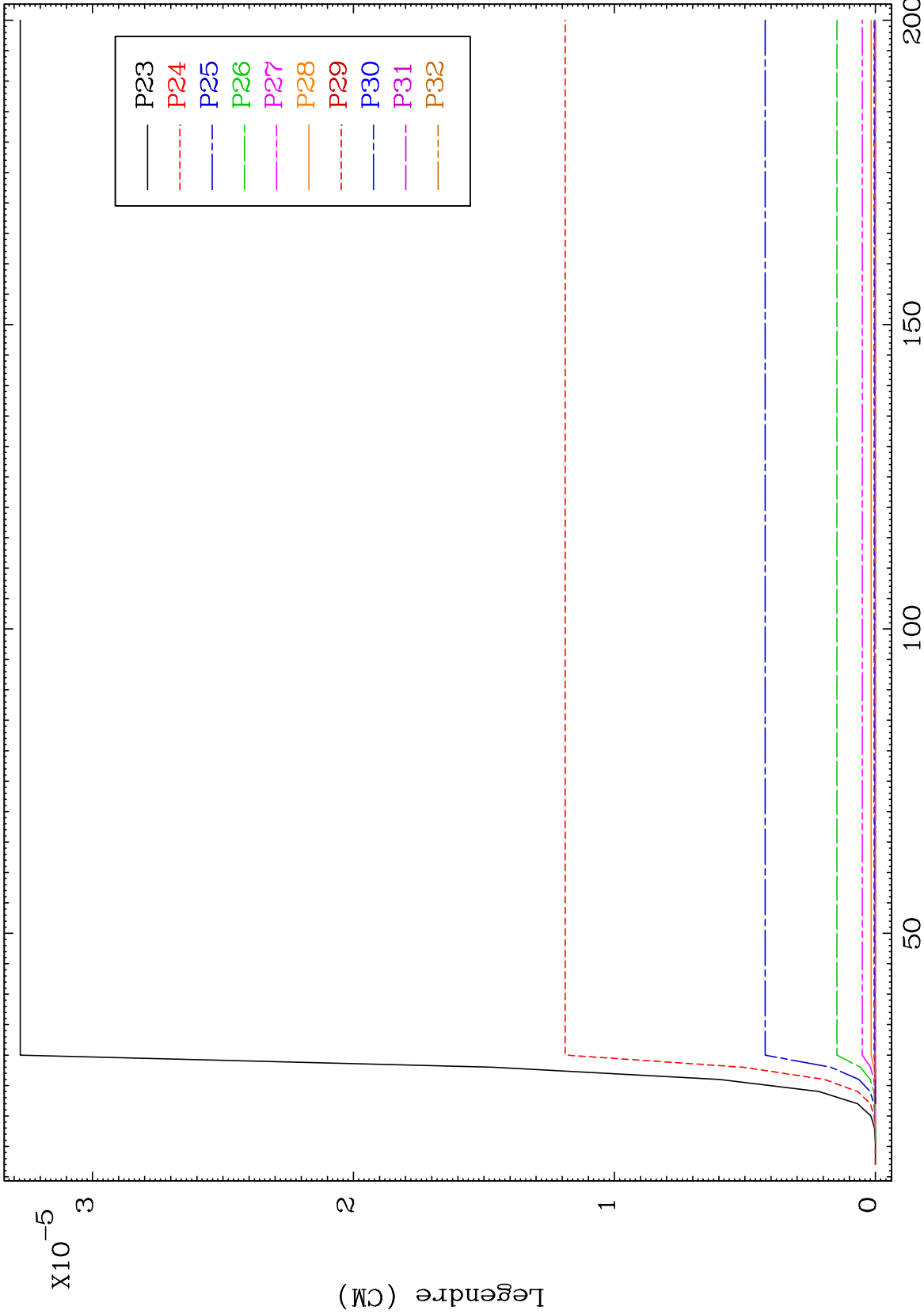
Legendre (CM)



MAT 3155

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

31-Ga-79



102

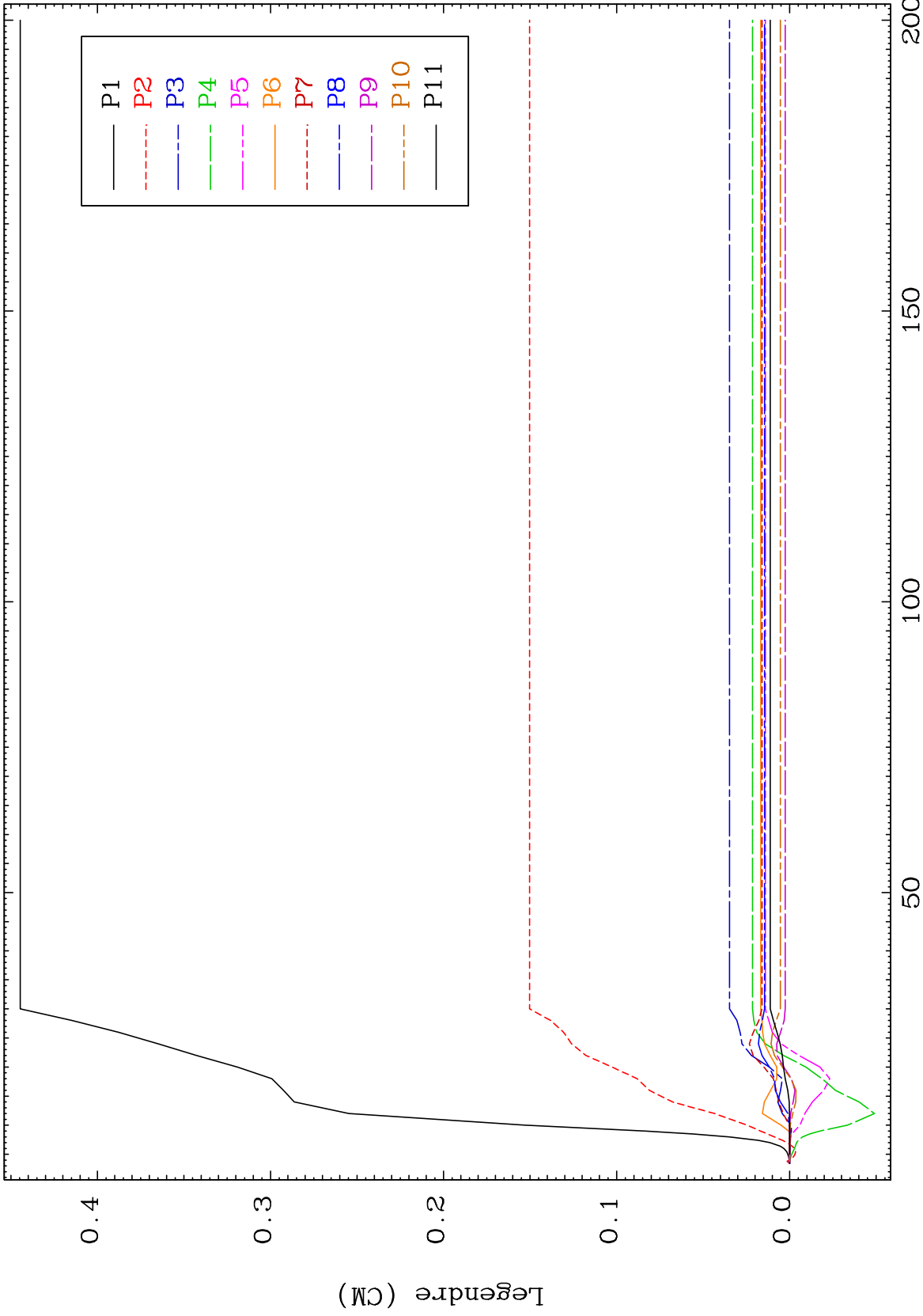
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



103

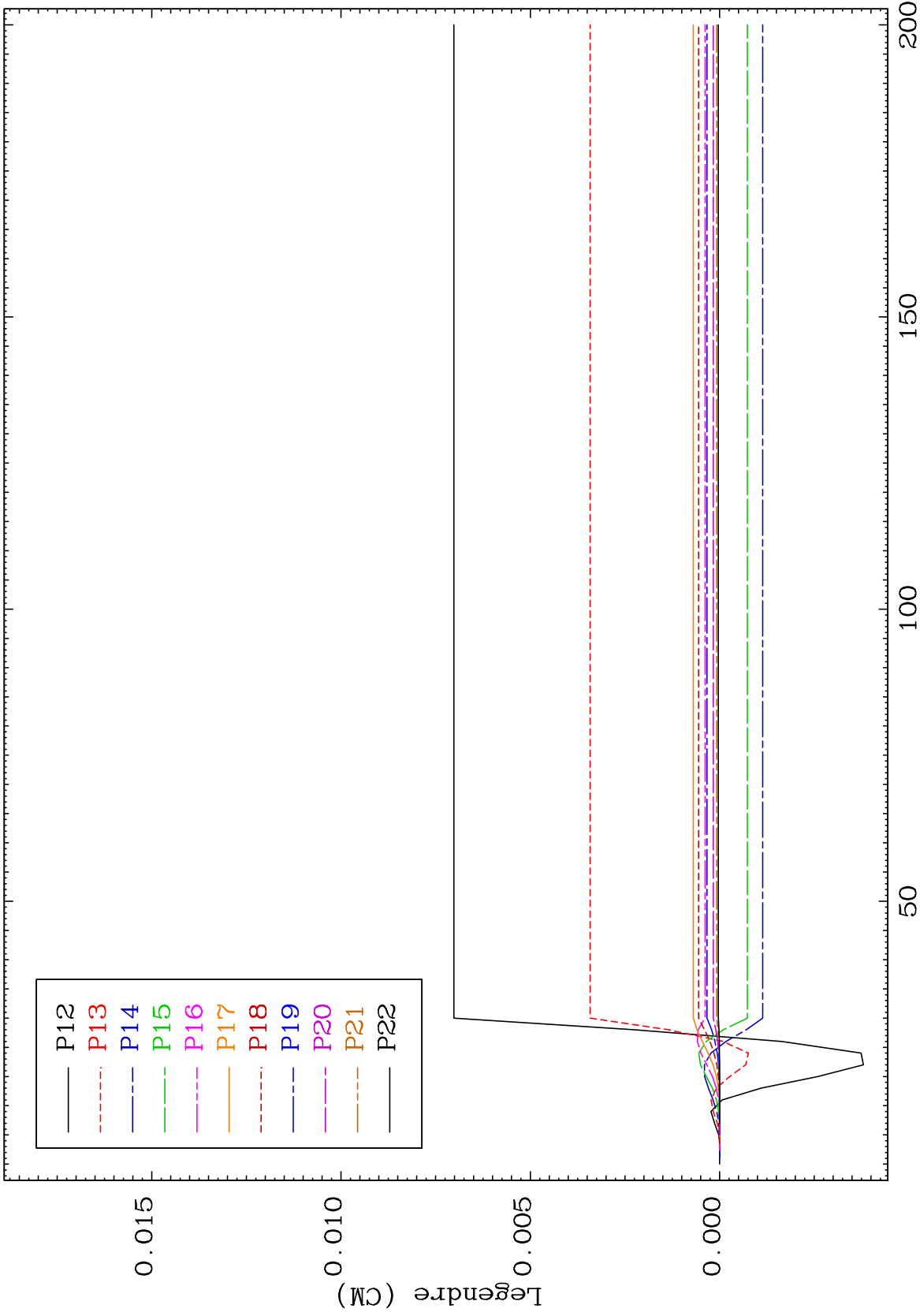
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



104

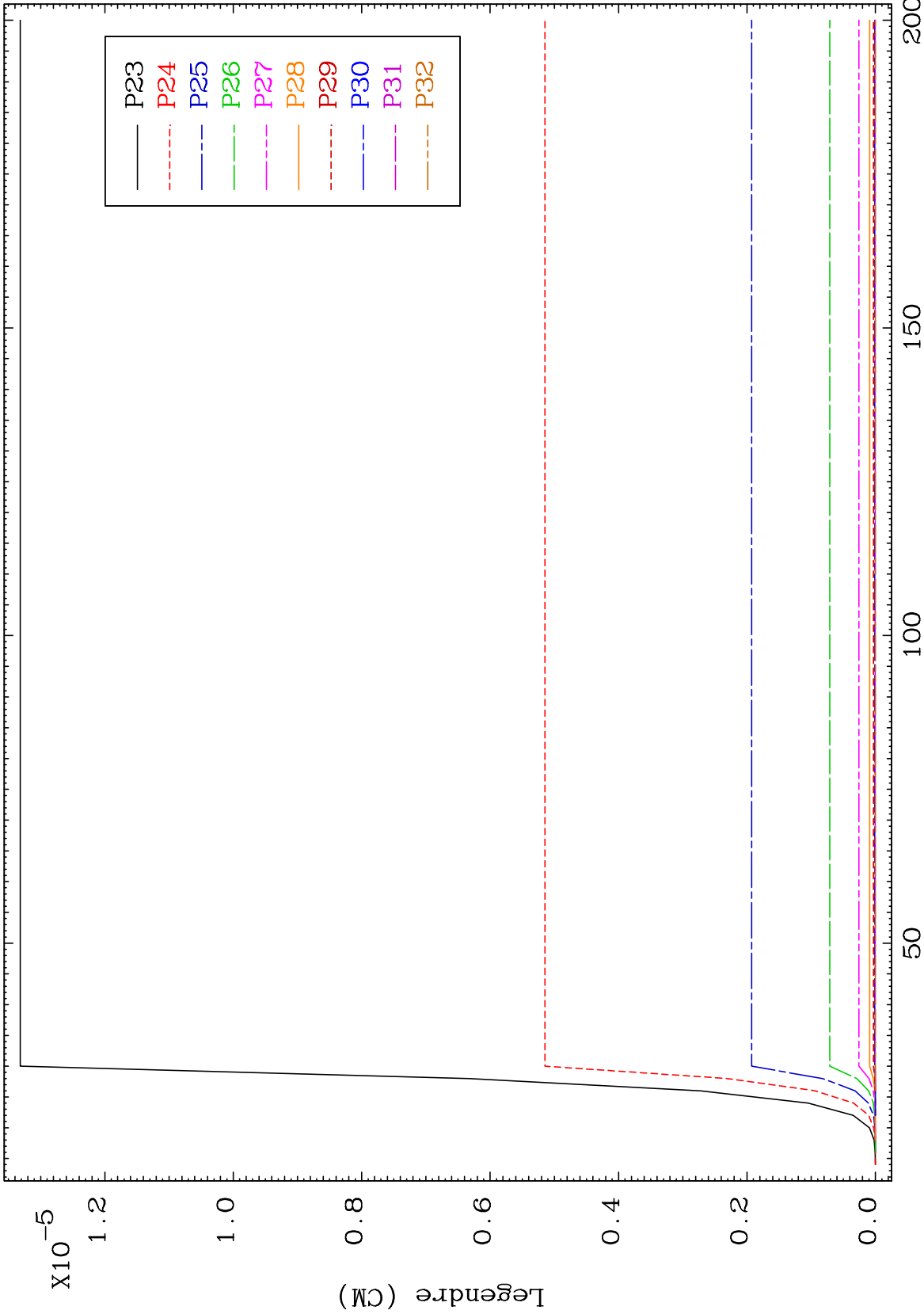
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



105

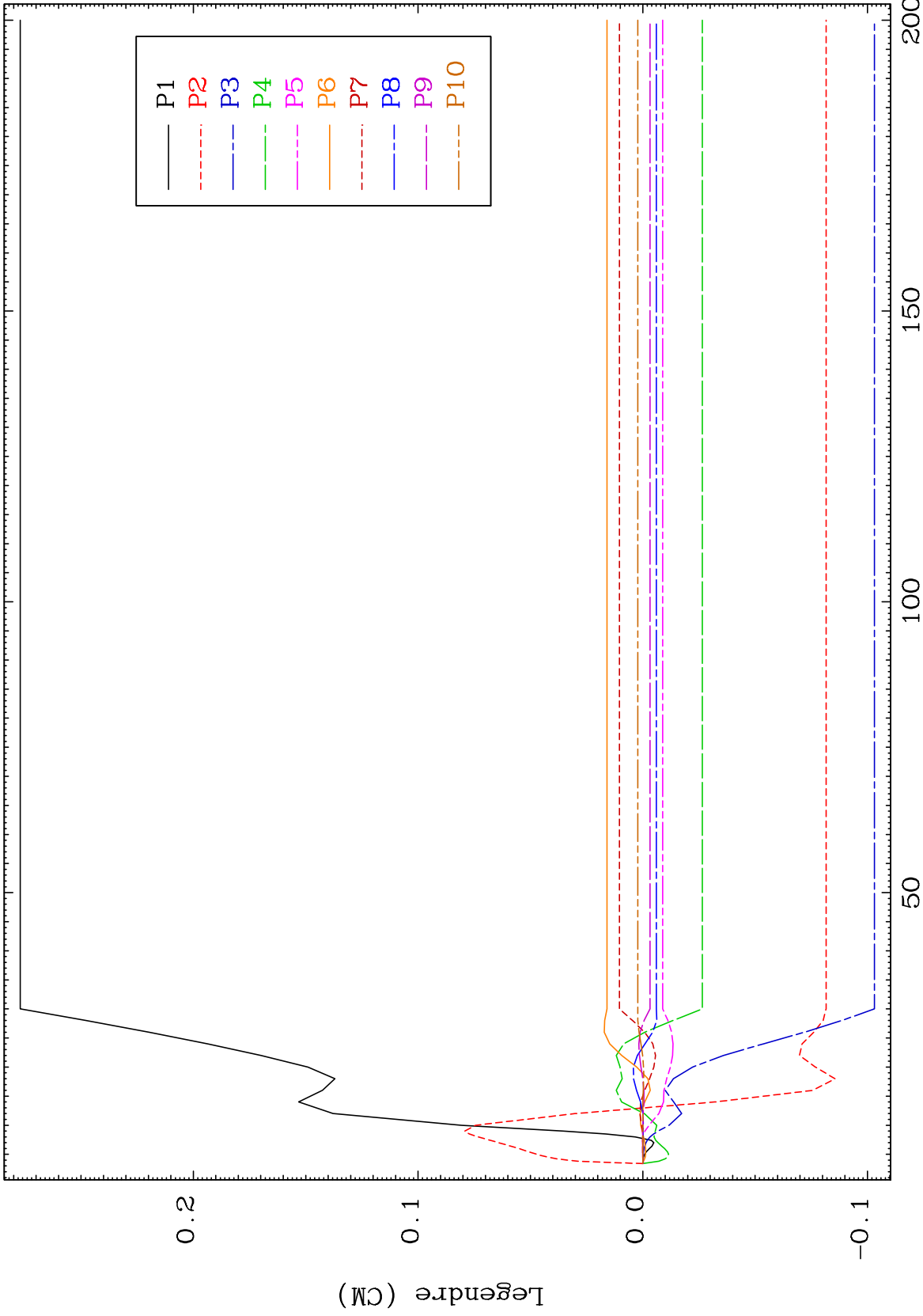
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



106

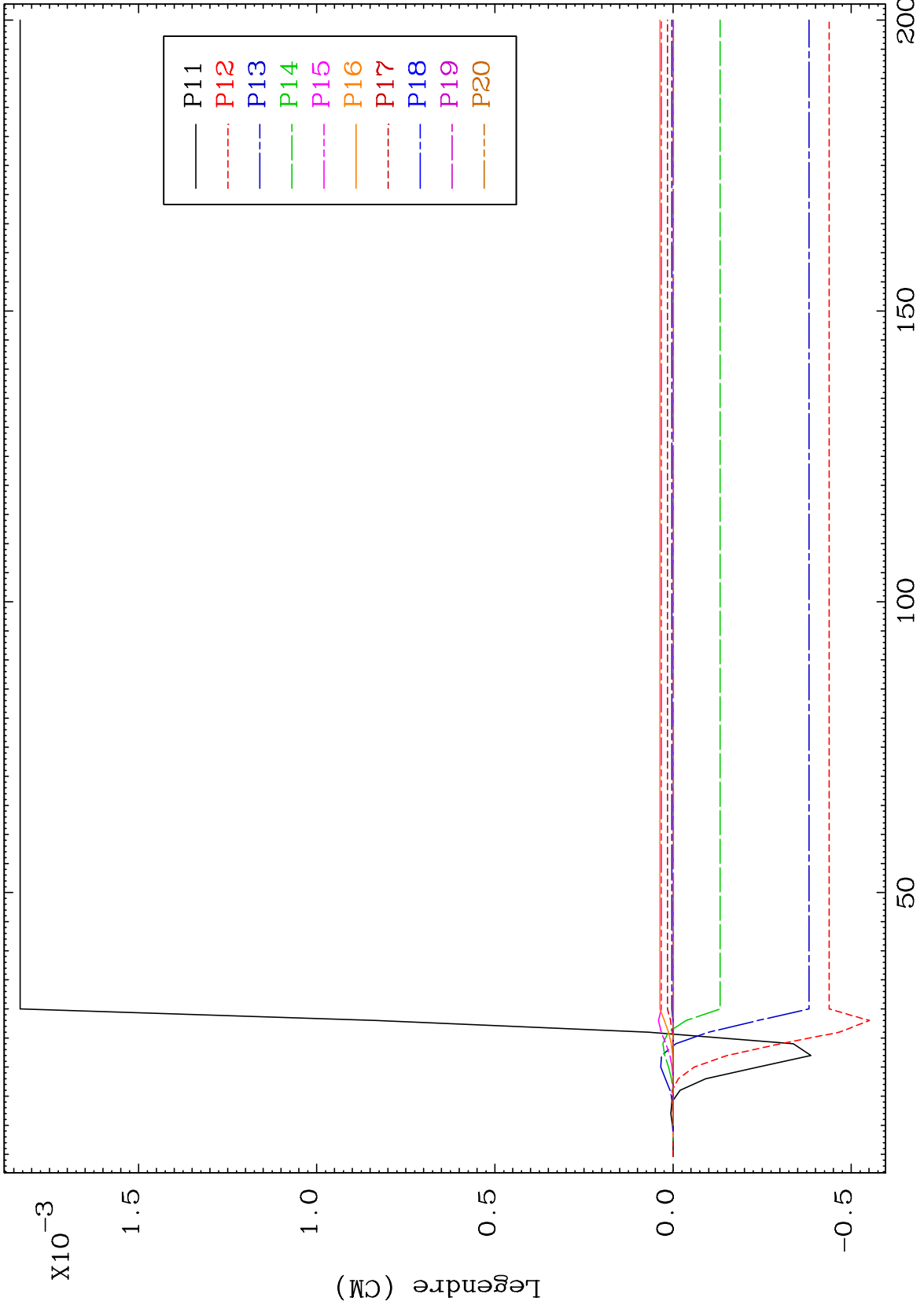
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



107

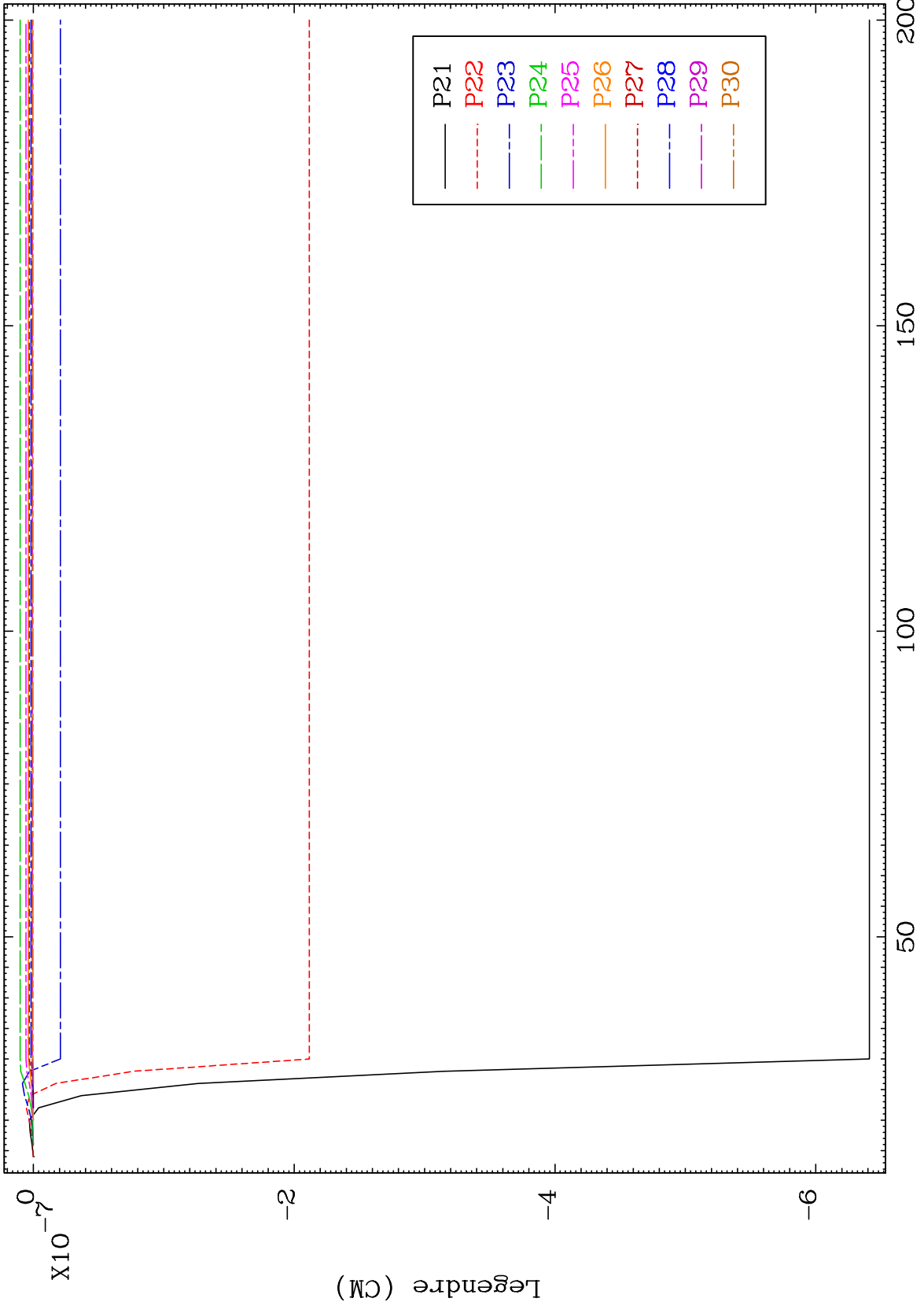
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



108

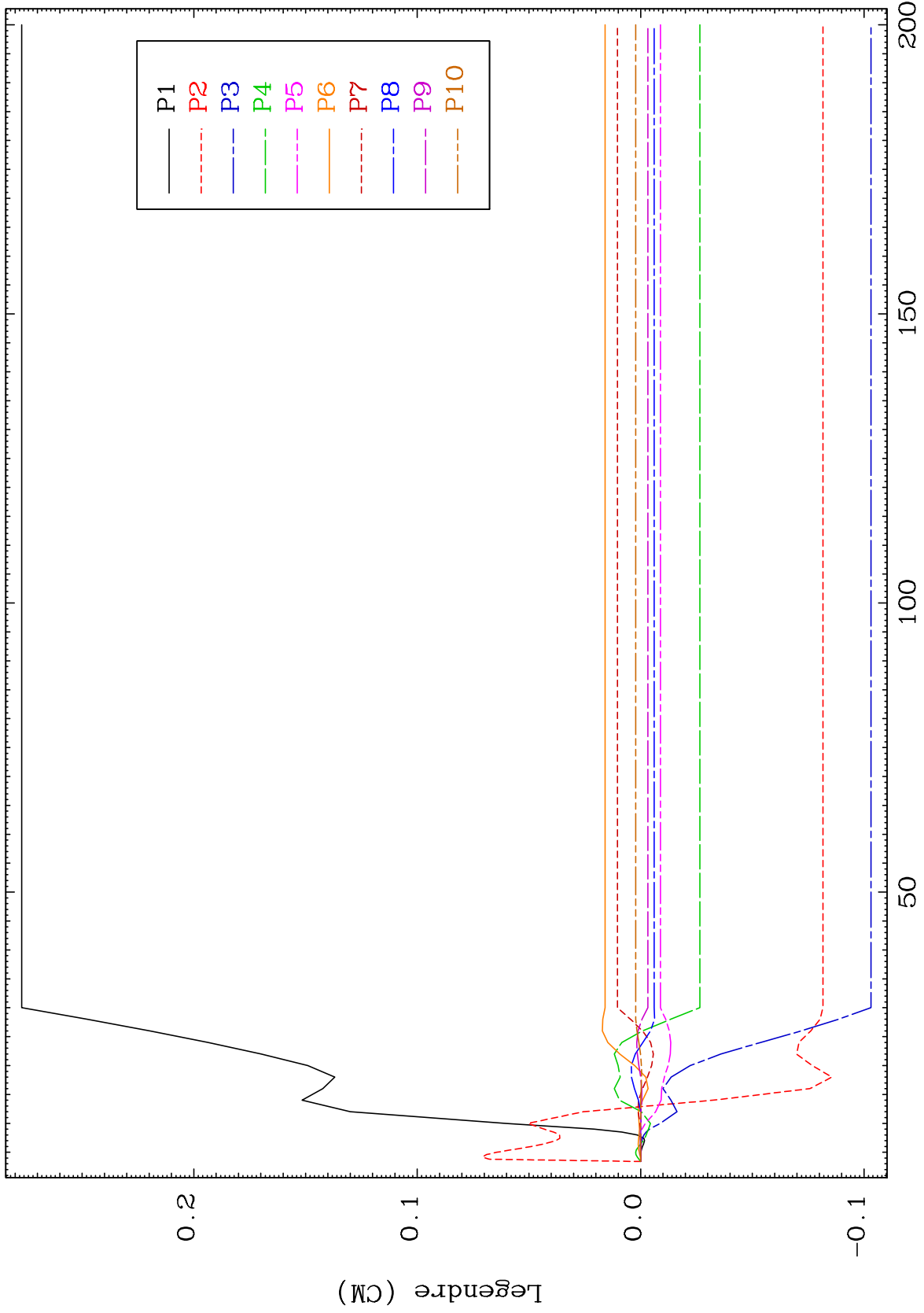
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



109

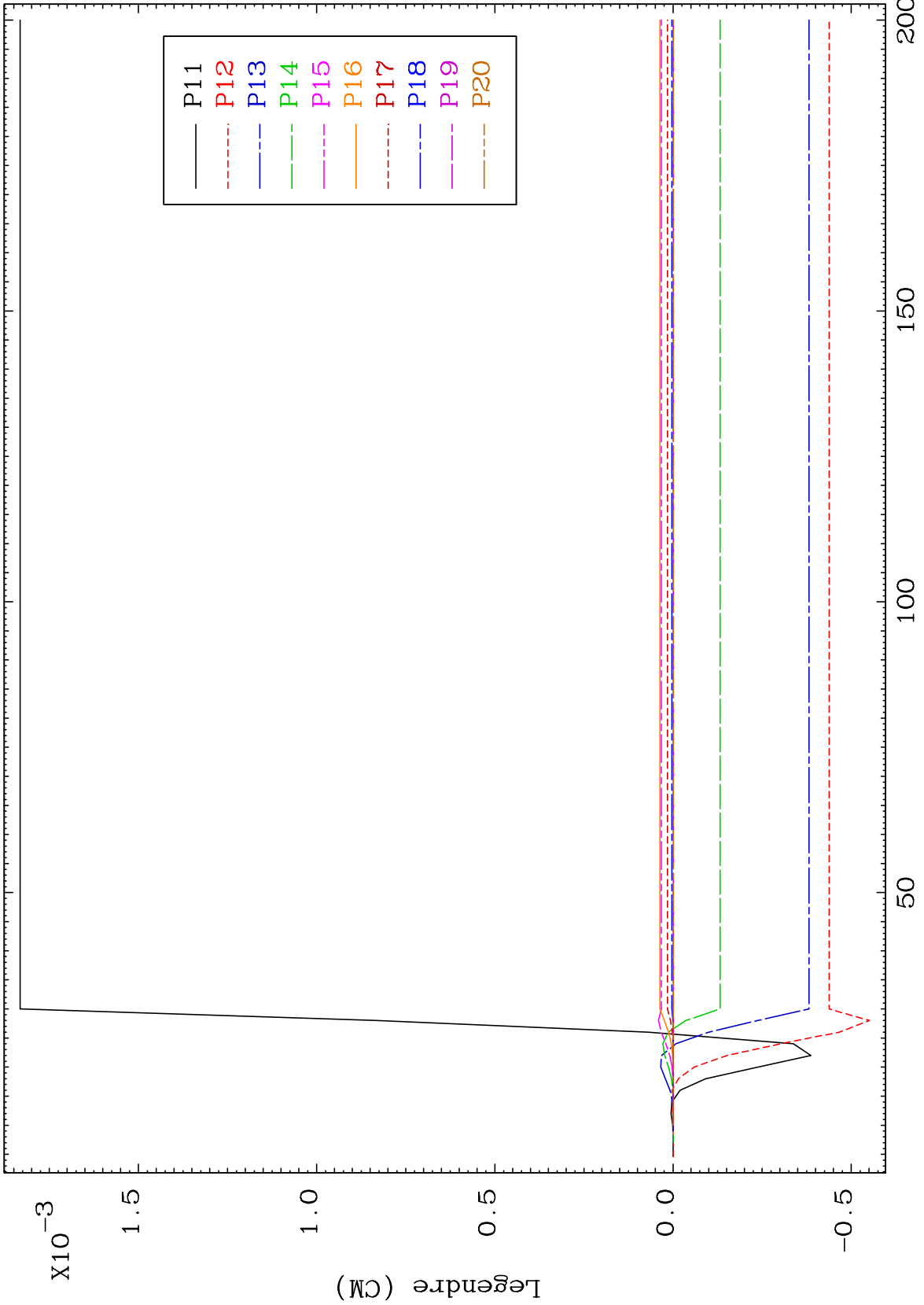
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



110

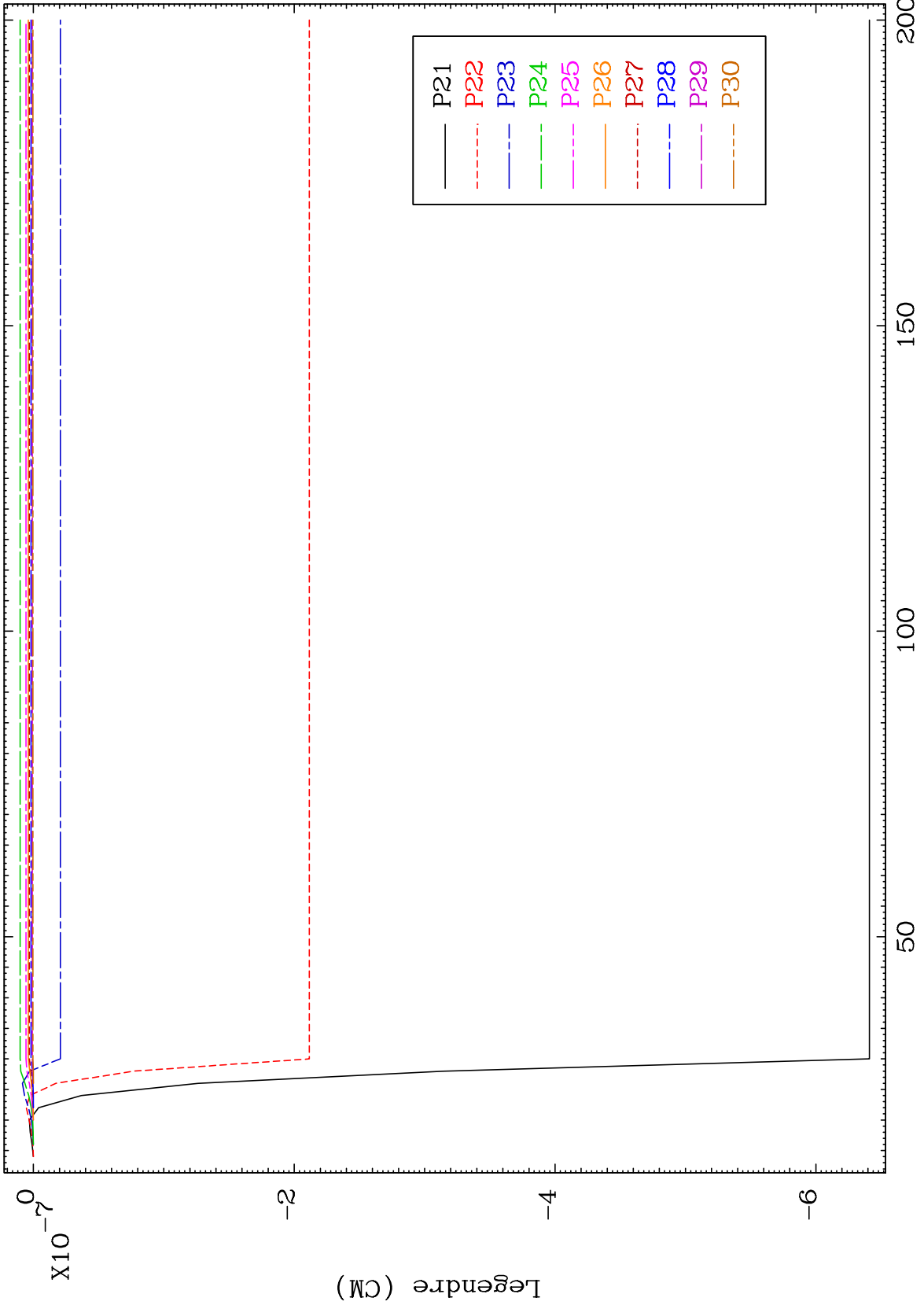
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



111

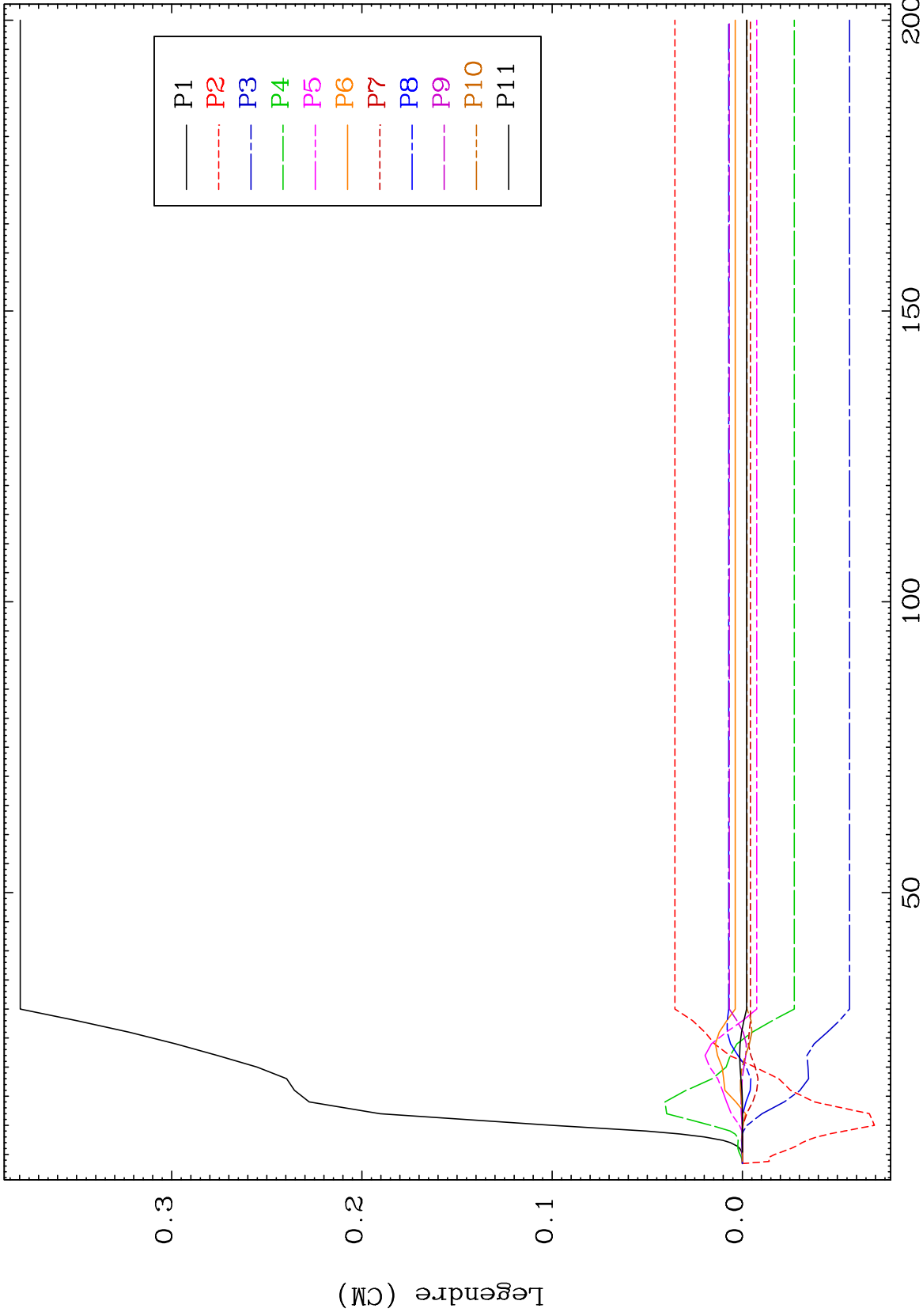
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



112

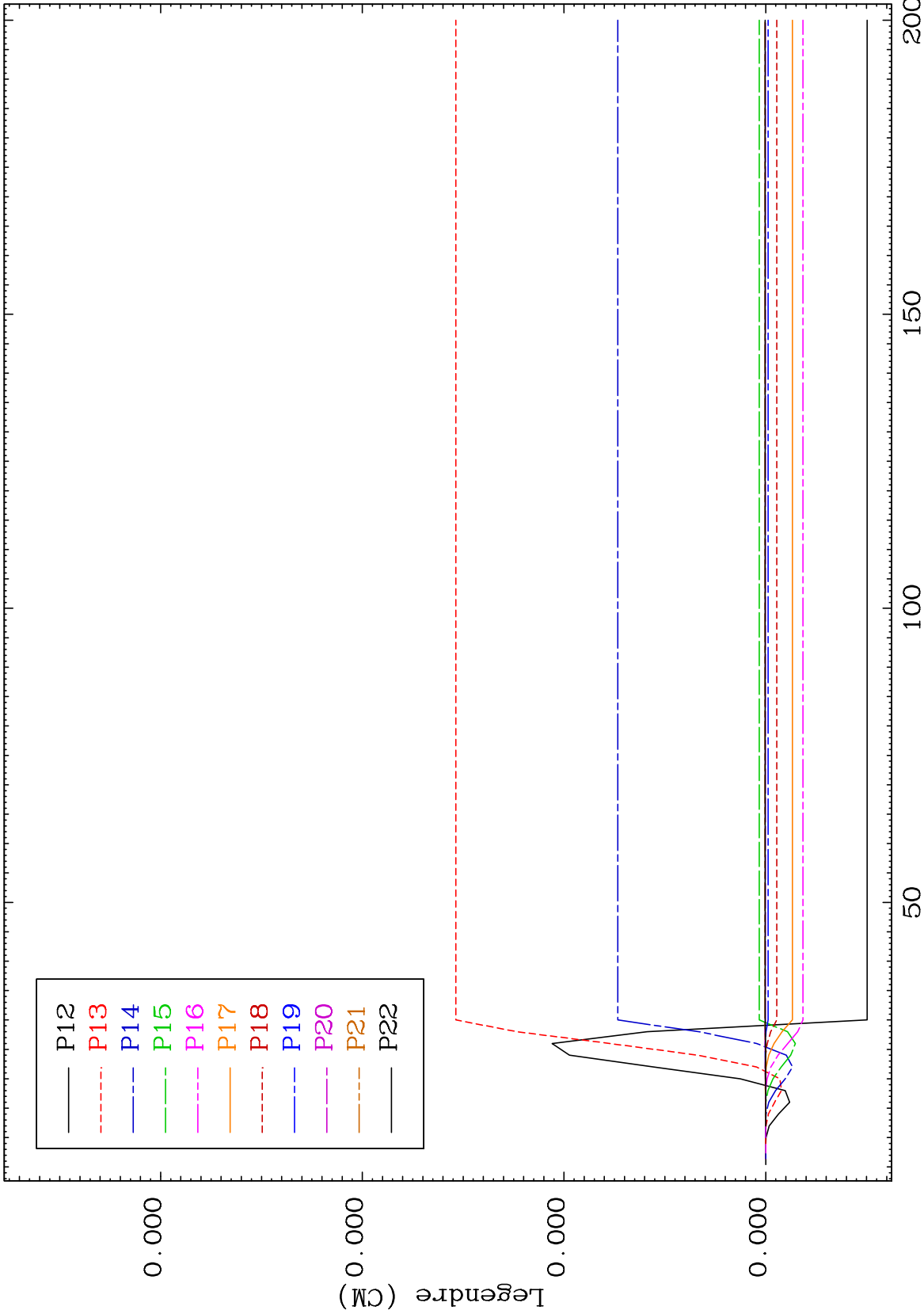
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



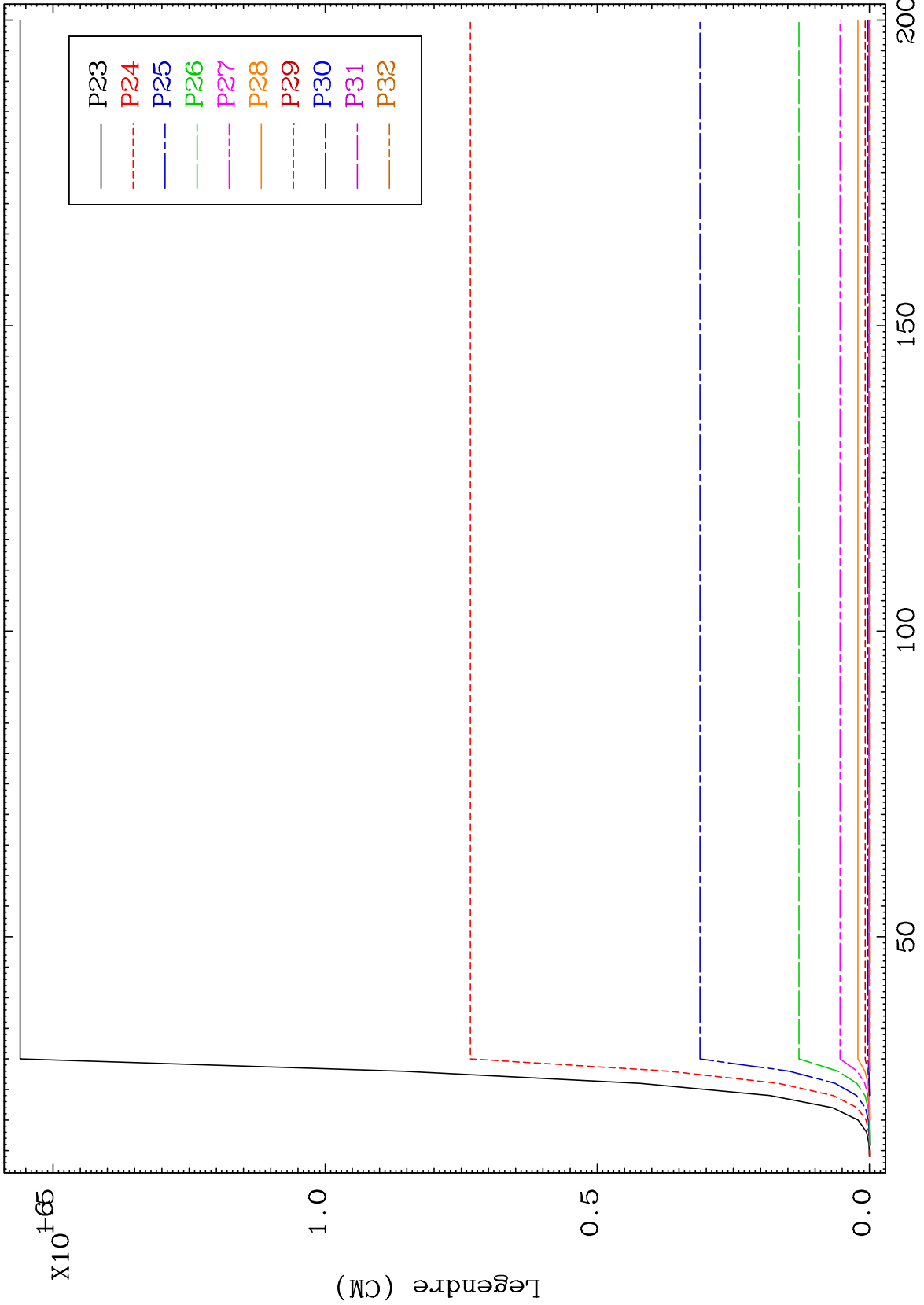
113

31-Ga-79

MAT 3155

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

31-Ga-79



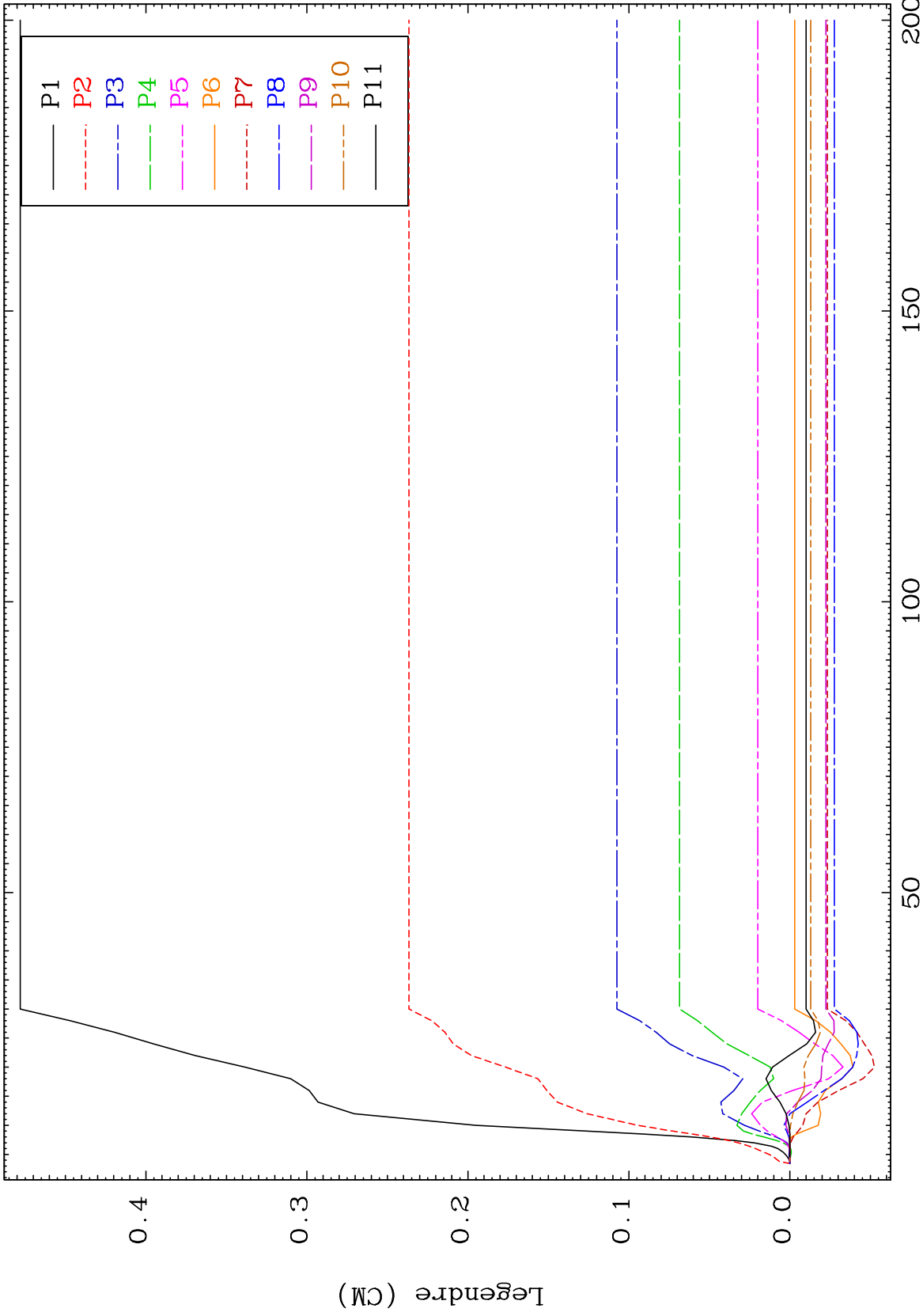
114

31-Ga-79

MAT 3155

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

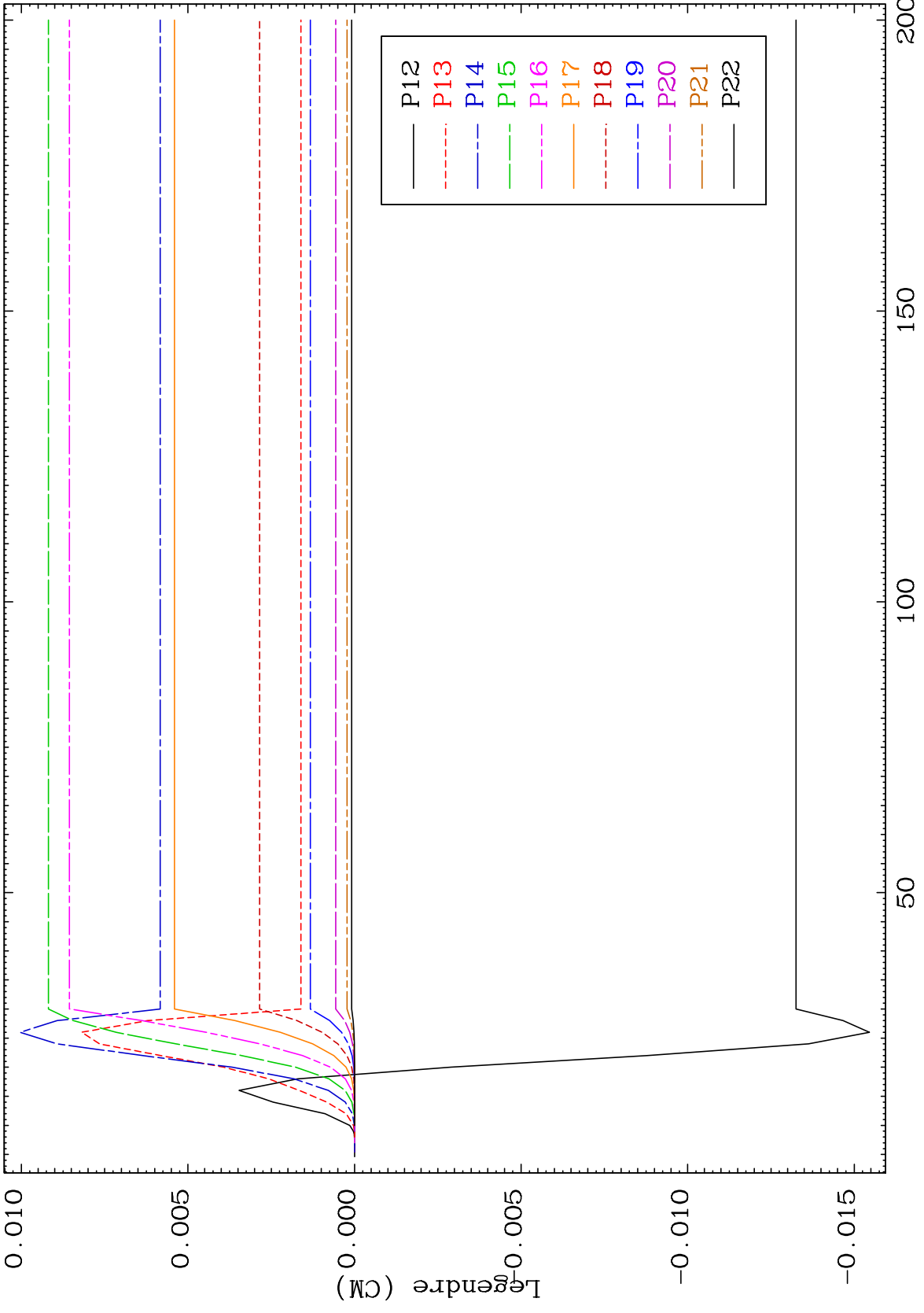
31-Ga-79



115

Incident Energy (MeV)

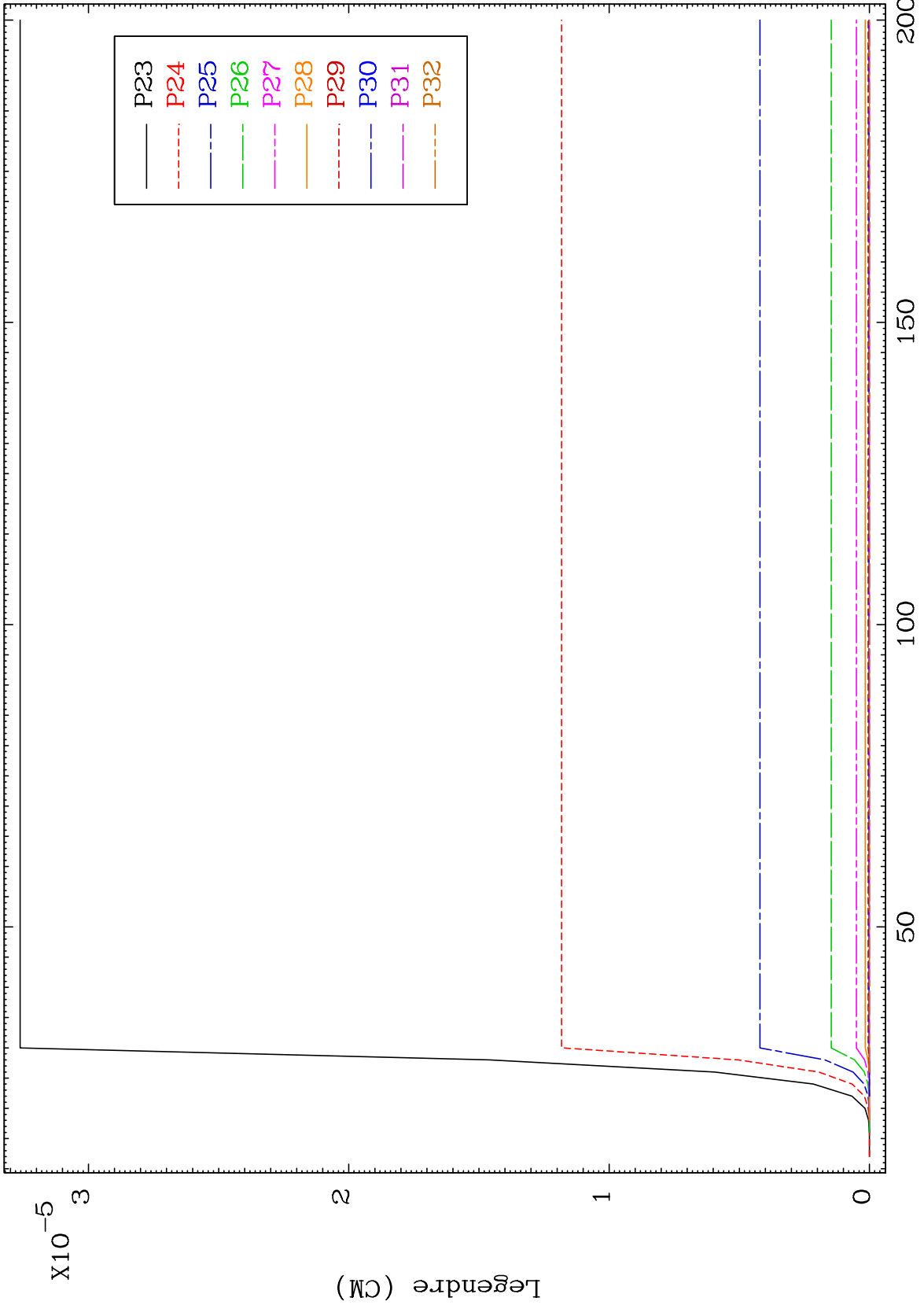
31-Ga-79



MAT 3155

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

31-Ga-79



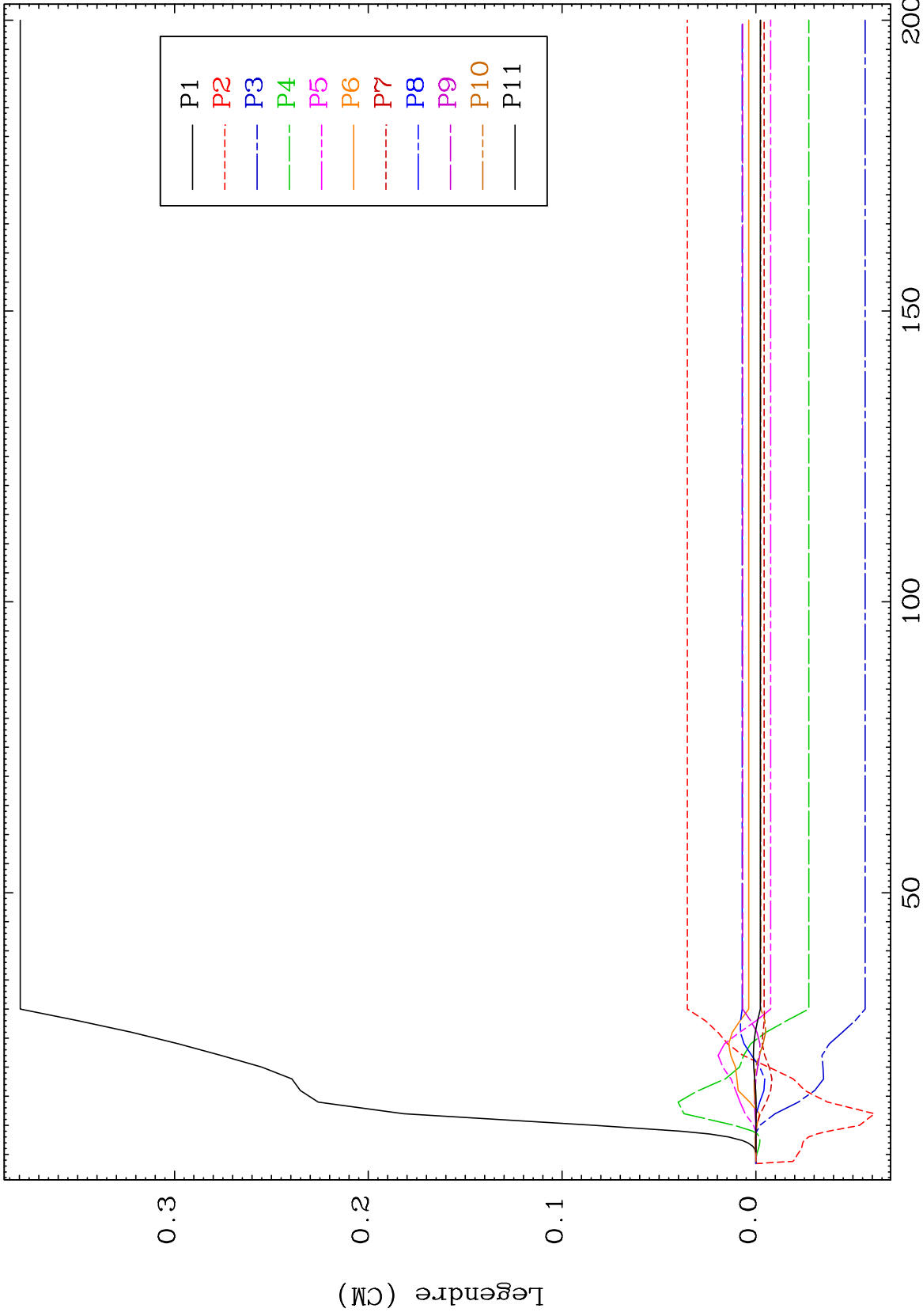
117

31-Ga-79

MAT 3155

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

31-Ga-79



118

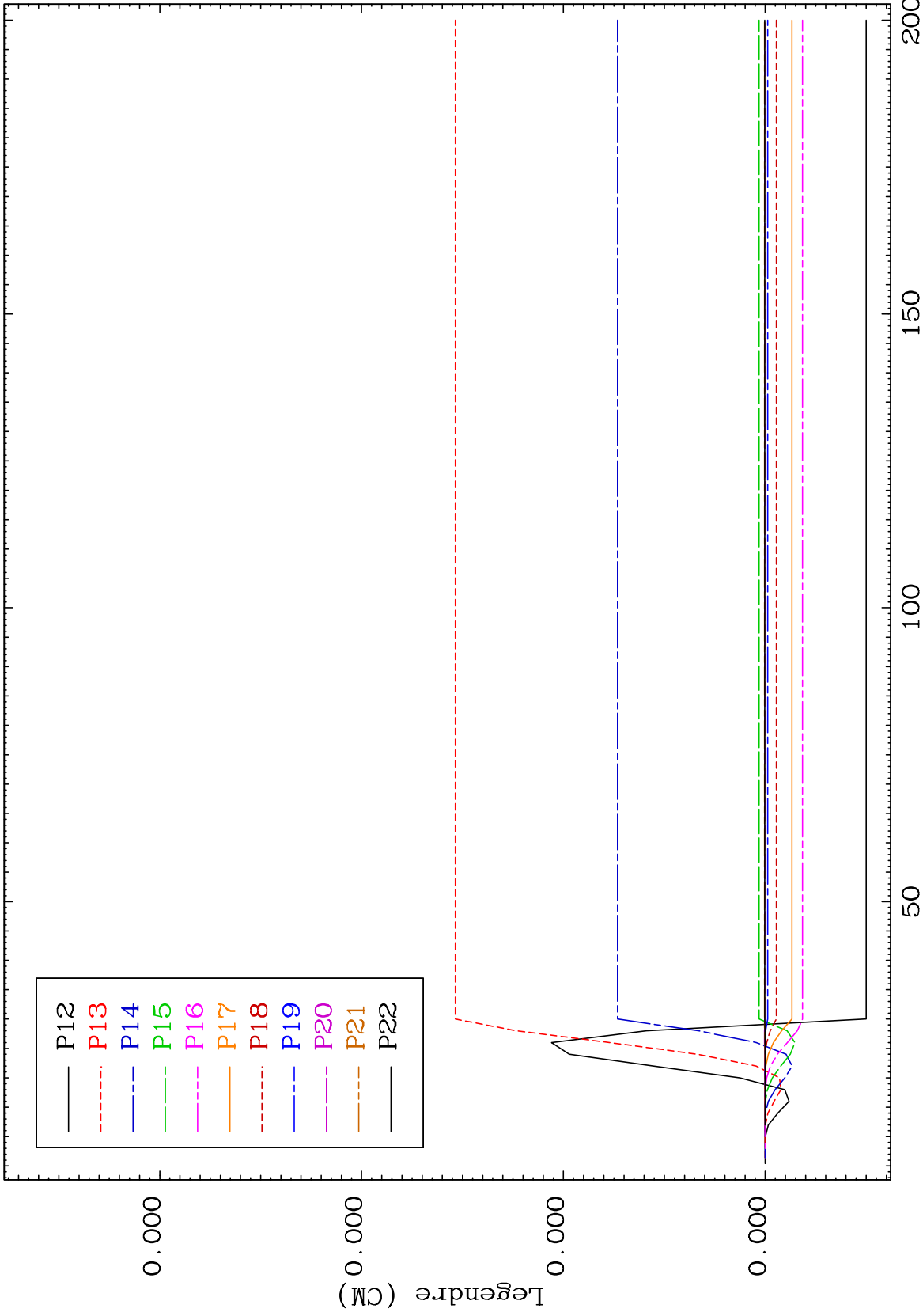
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



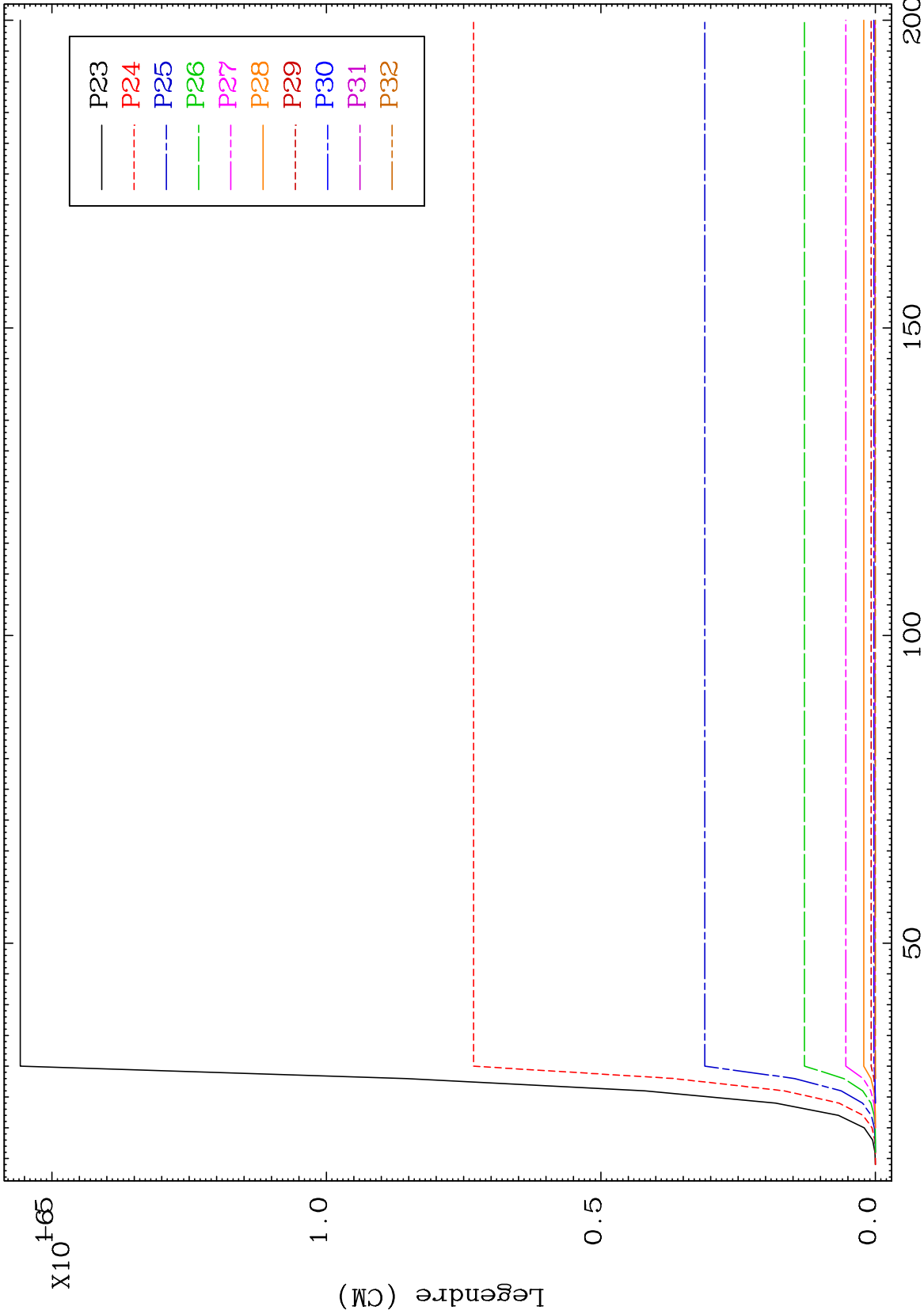
119

31-Ga-79

MAT 3155

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

31-Ga-79



120

50

100

150

200

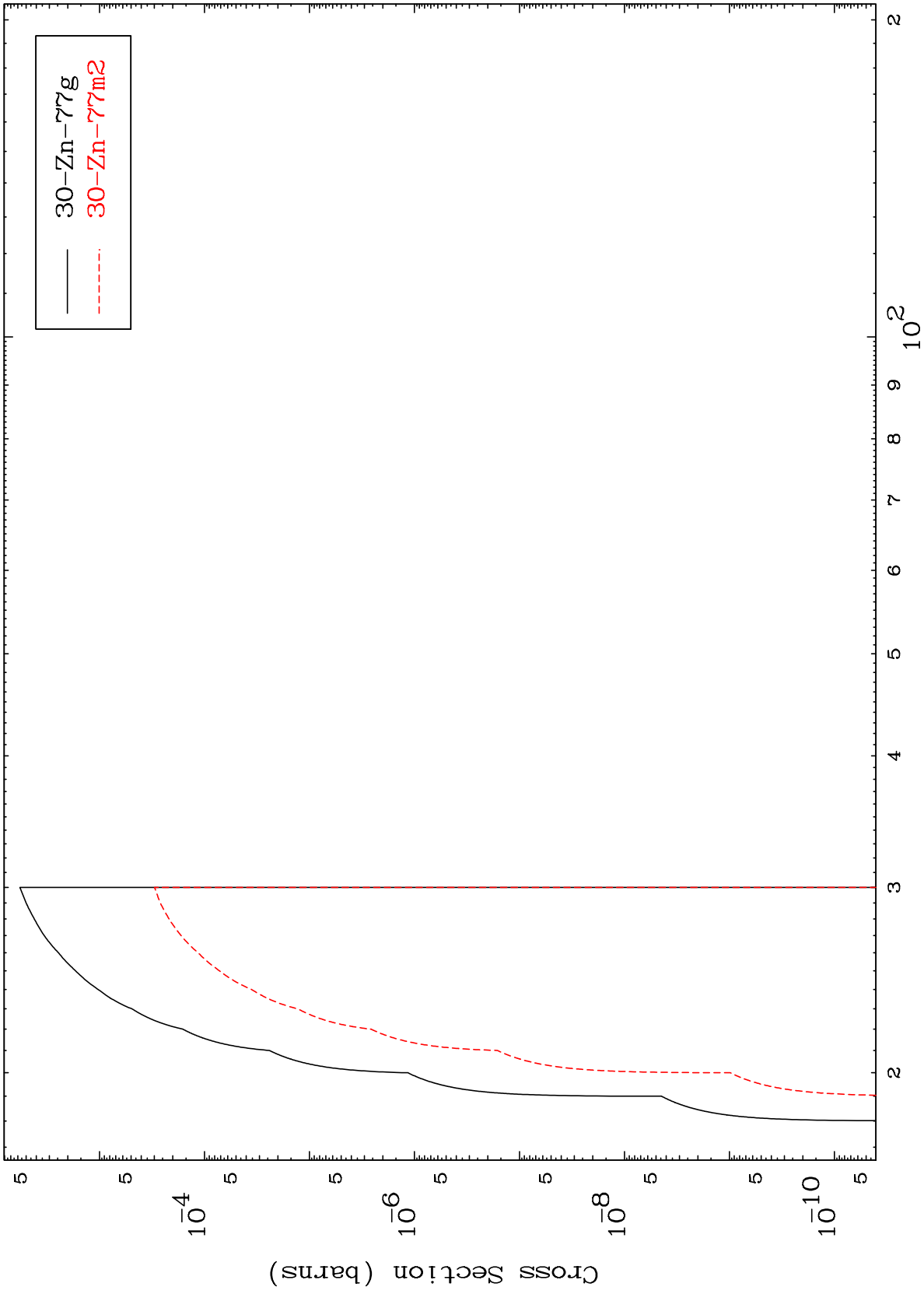
31-Ga-79

MAT 3155

(n,n') d

31-Ga-79

Radionuclide Production Cross Section

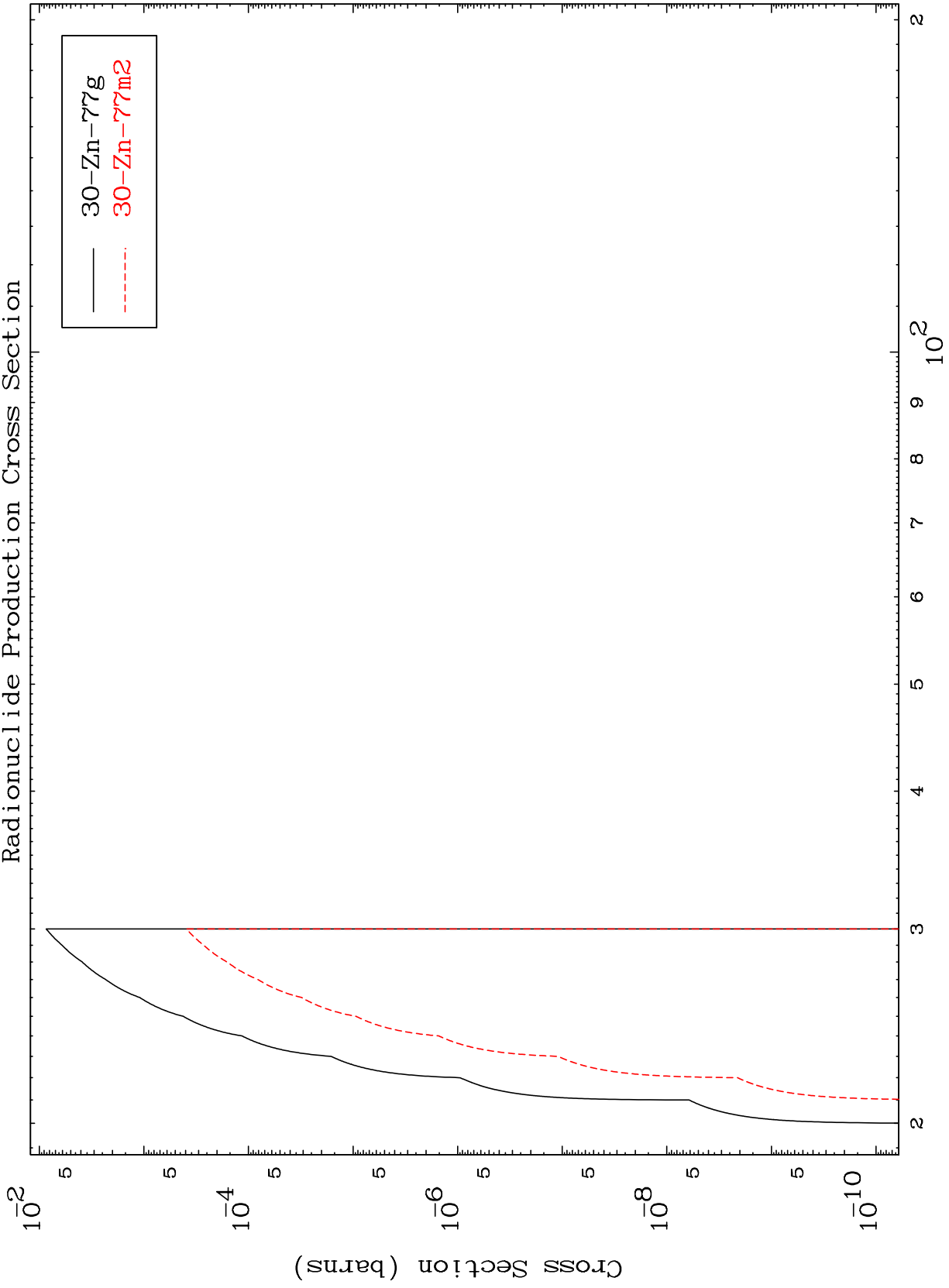


121

Incident Energy (MeV)

31-Ga-79

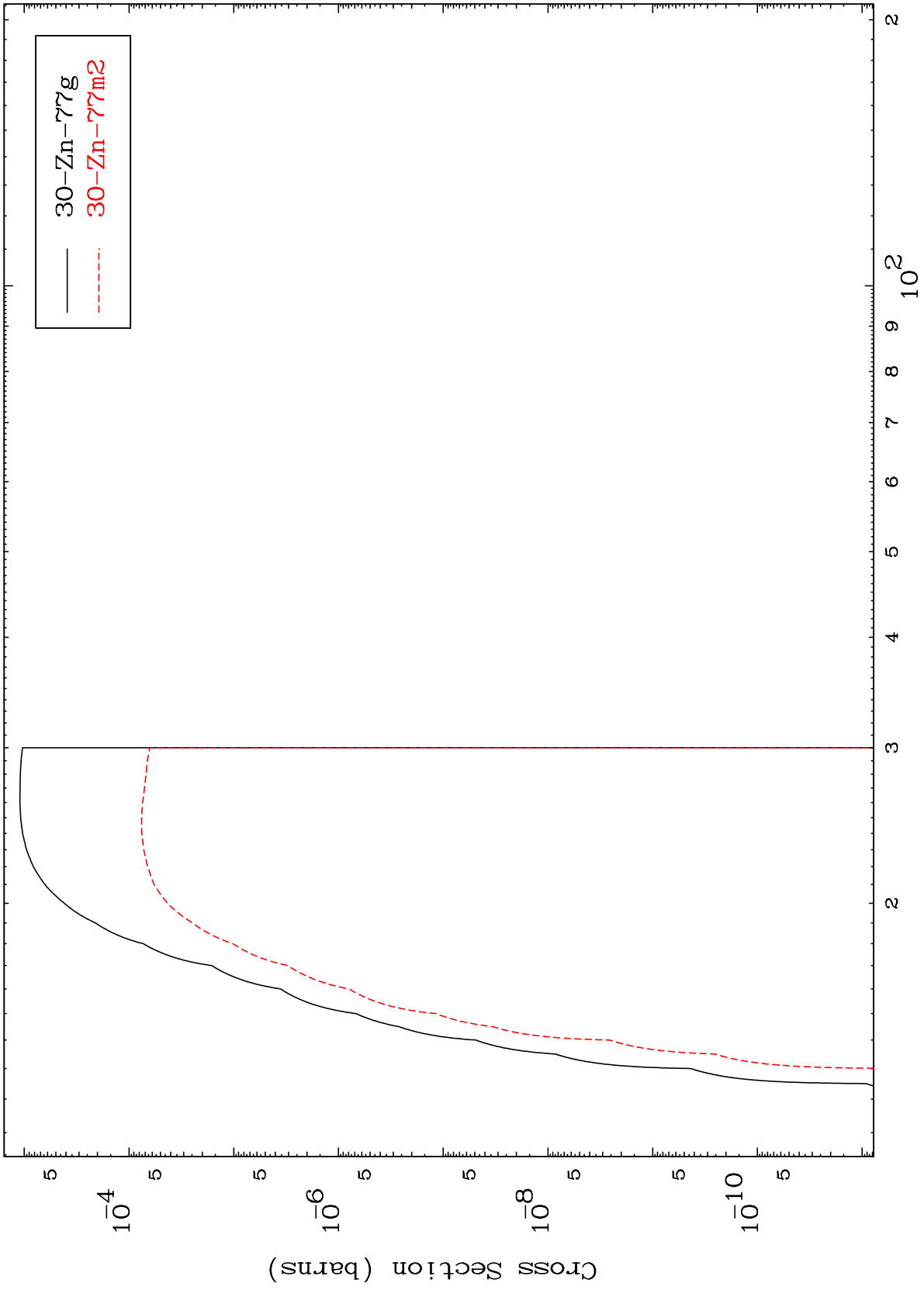
Radionuclide Production Cross Section



MAT 3155

31-Ga-79

(n, t)
Radionuclide Production Cross Section



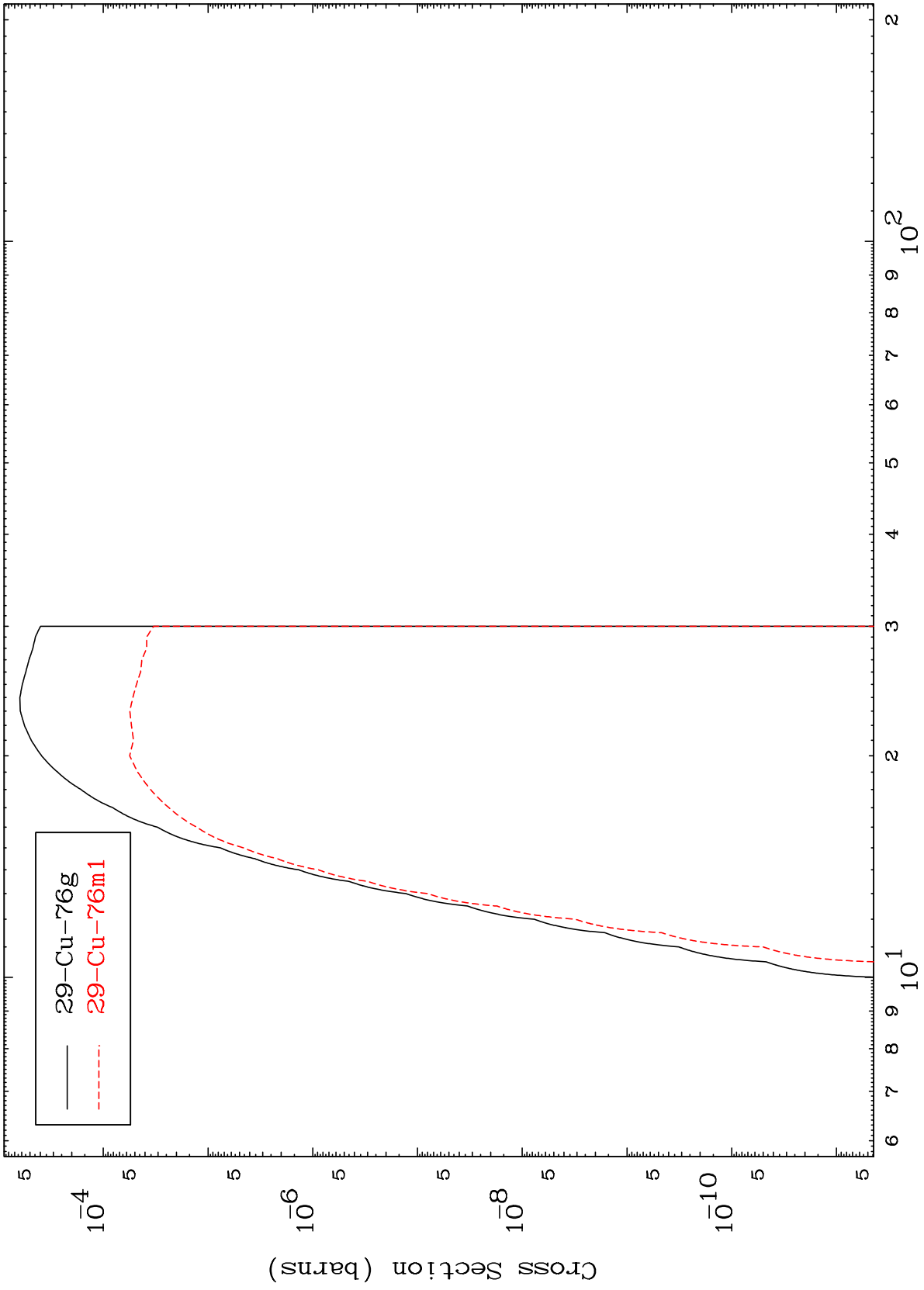
123

31-Ga-79

MAT 3155

31-Ga-79

Radionuclide Production Cross Section
(n, α)



124

31-Ga-79