

Program EVALPLOT
(Version 2018-1)

by

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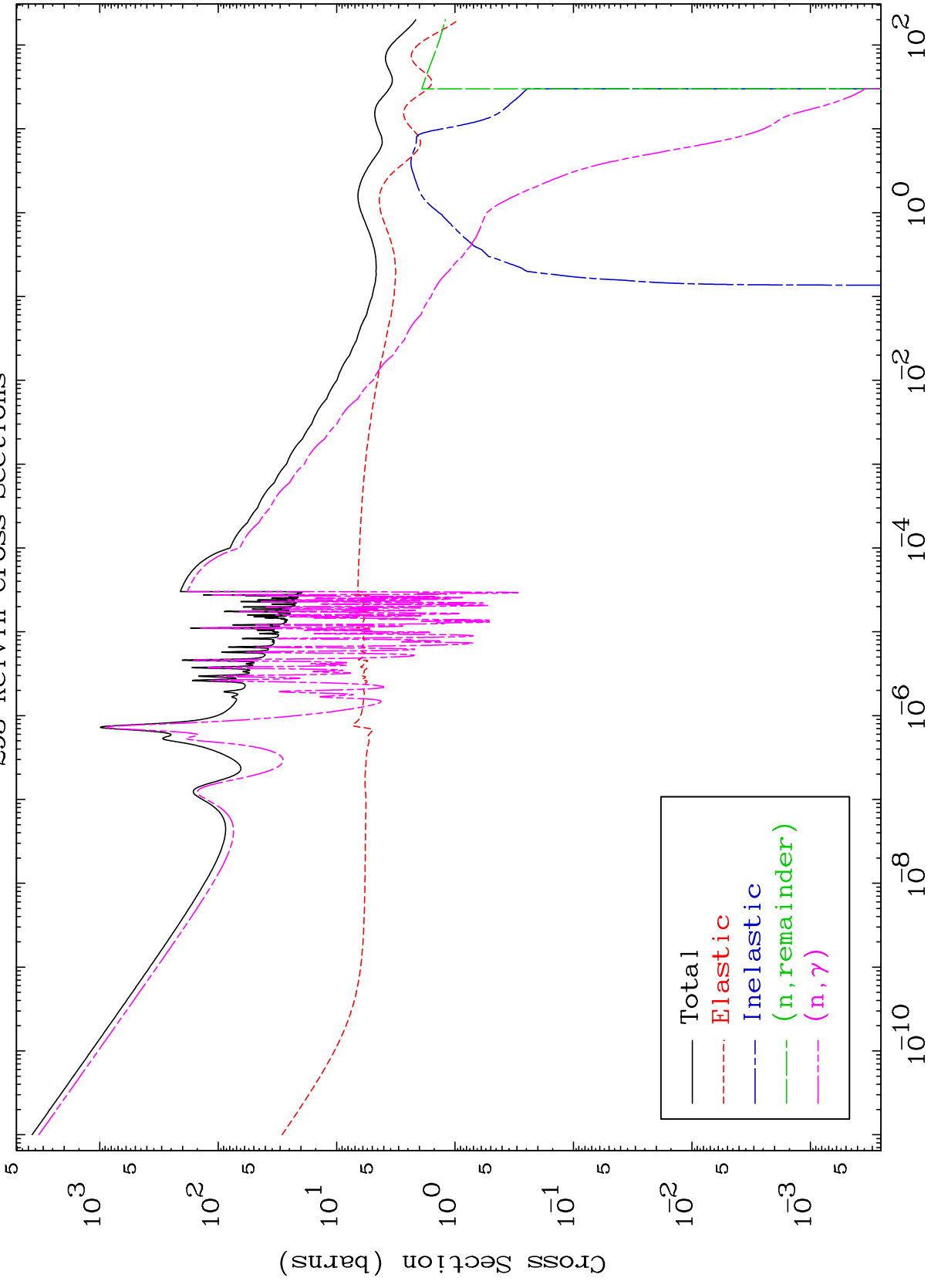
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5707

Major
293 Kelvin Cross Sections

57-La-132

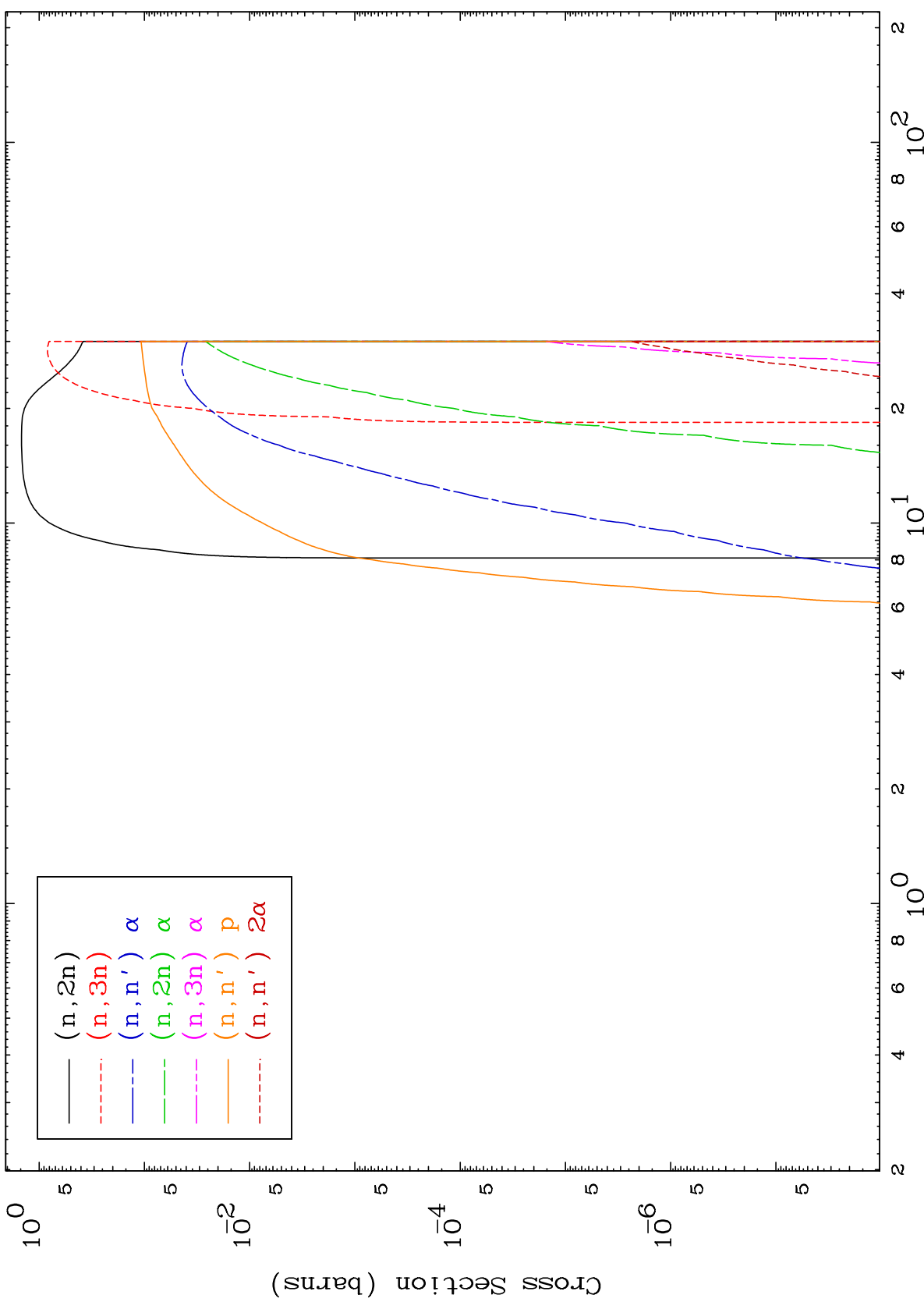


57-La-132

MAT 5707

Neutron Production
293 Kelvin Cross Sections

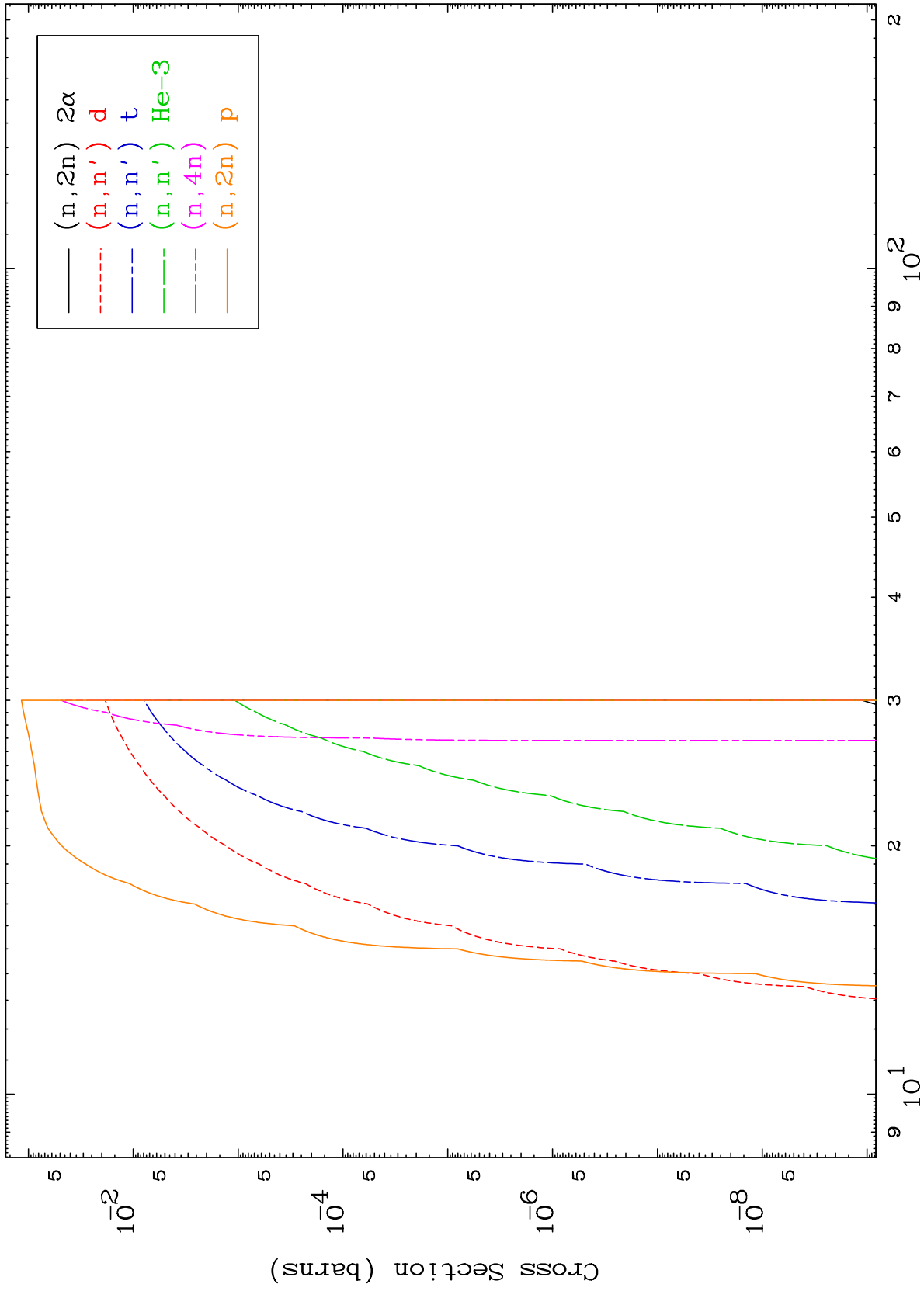
57-La-132

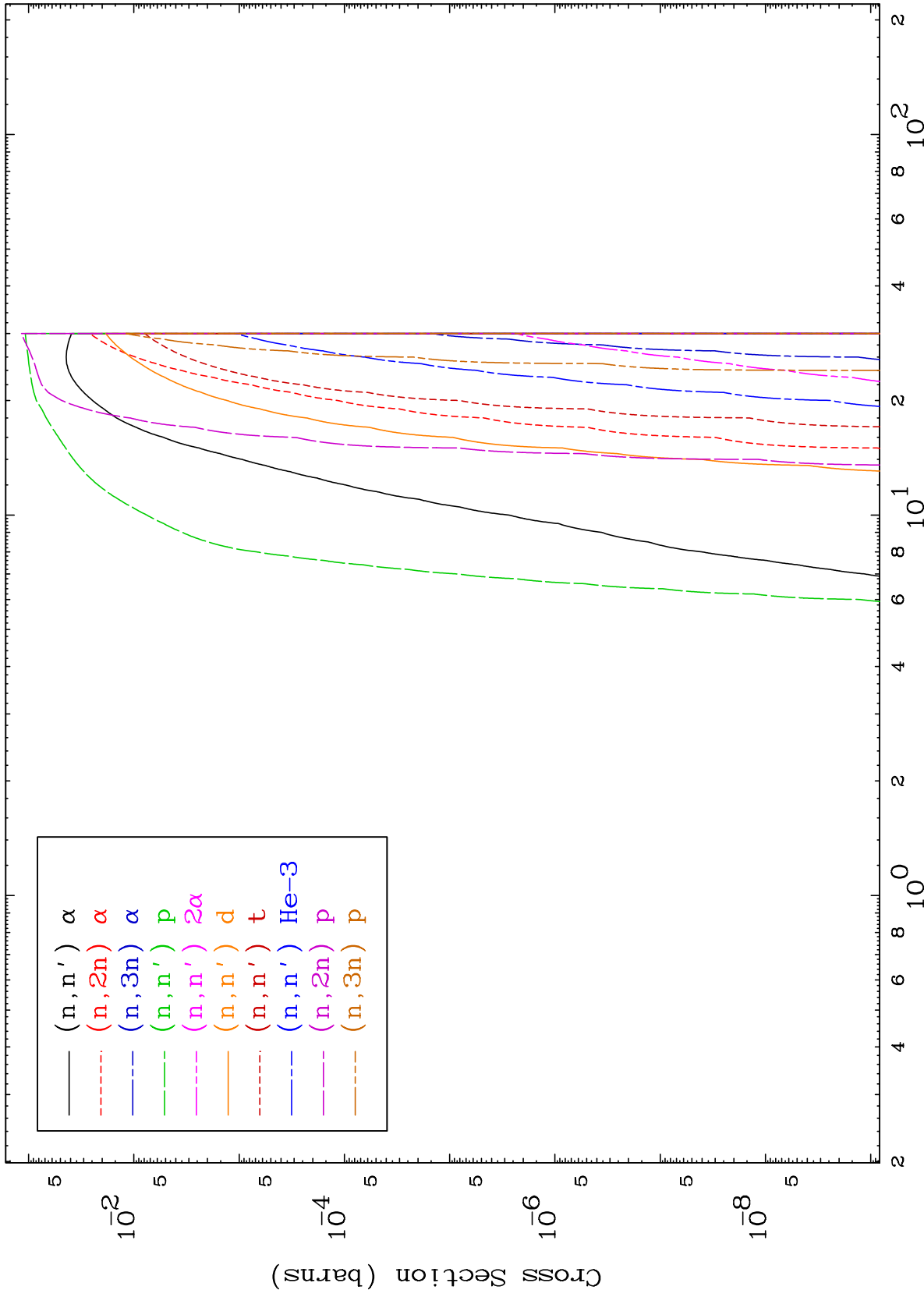


2

Incident Energy (MeV)

57-La-132

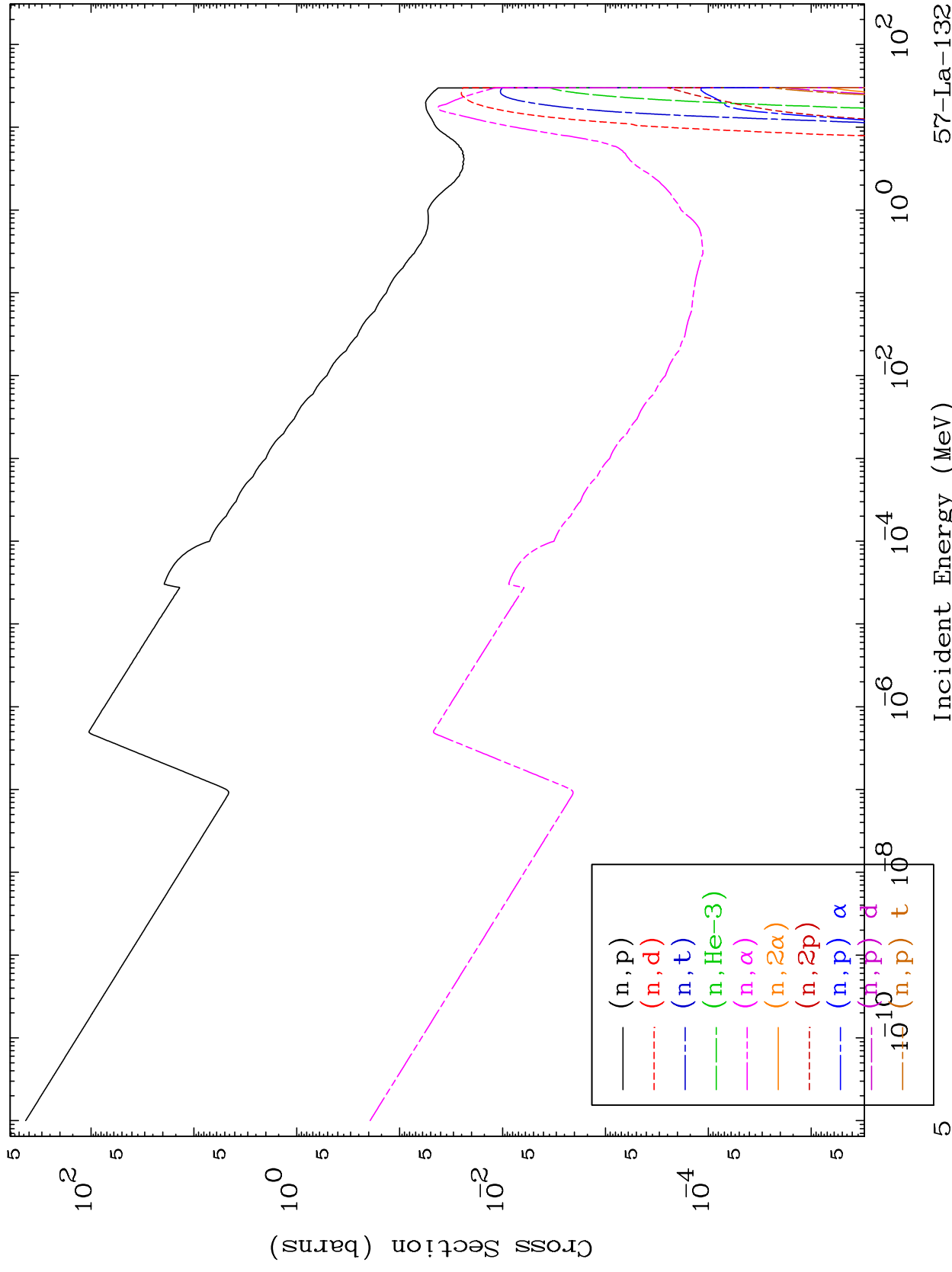




MAT 5707

Charged Particle
293 Kelvin Cross Sections

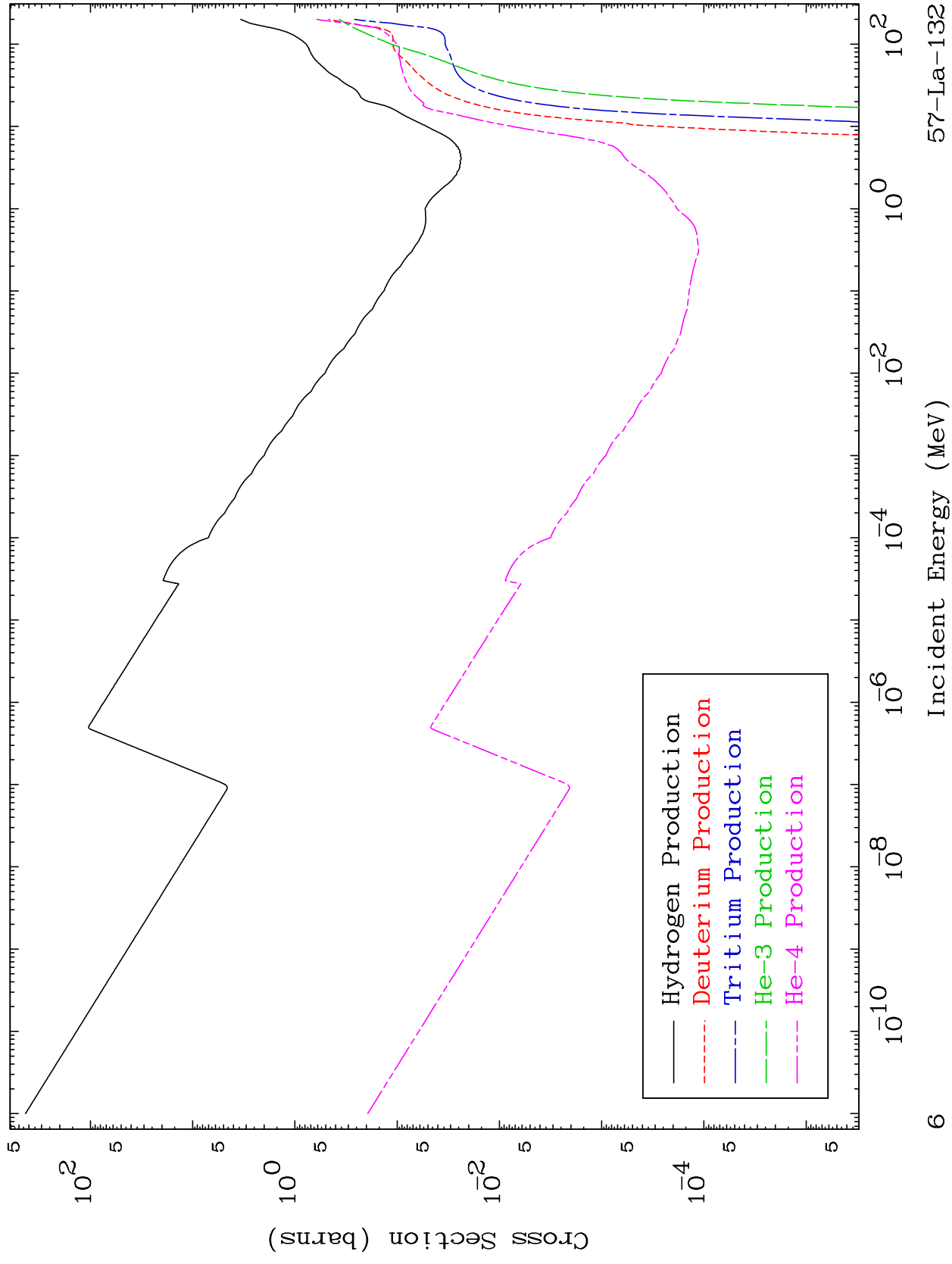
57-La-132



MAT 5707

Particle Production
293 Kelvin Cross Sections

57-La-132

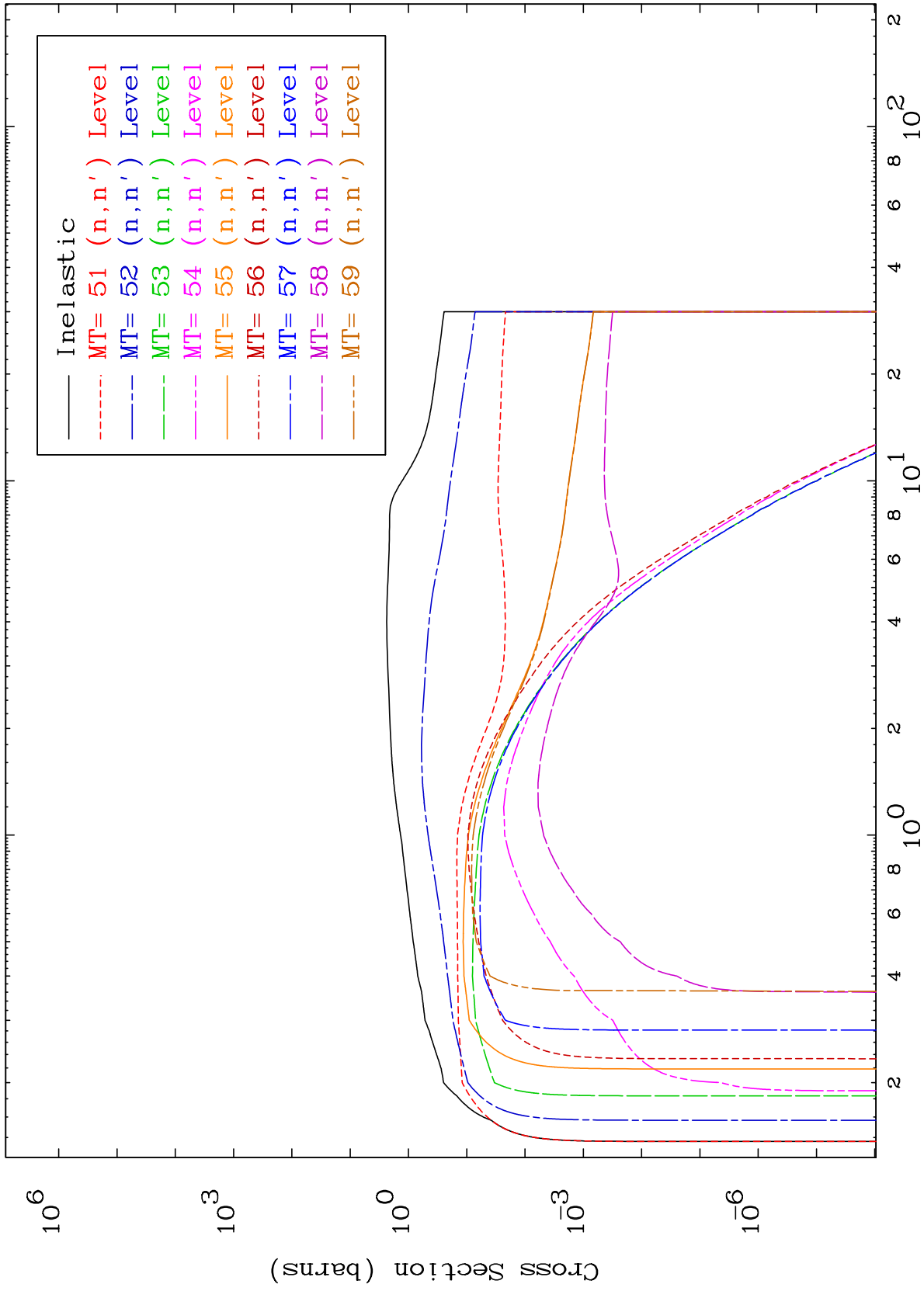


57-La-132

MAT 5707

(n,n') Level
293 Kelvin Cross Sections

57-La-132



7

Incident Energy (MeV)

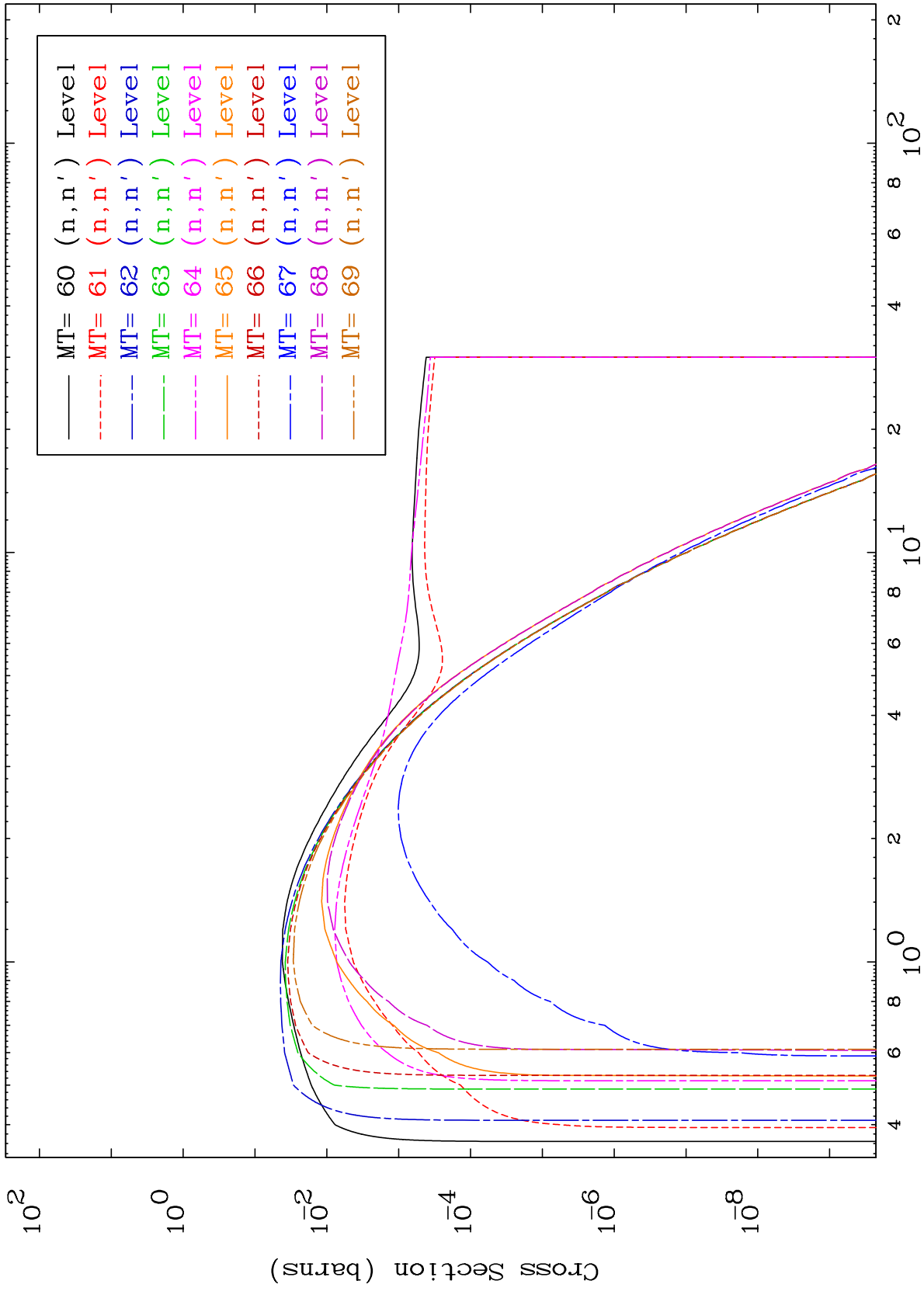
57-La-132

MAT 5707

(n,n') Level

57-La-132

293 Kelvin Cross Sections



8

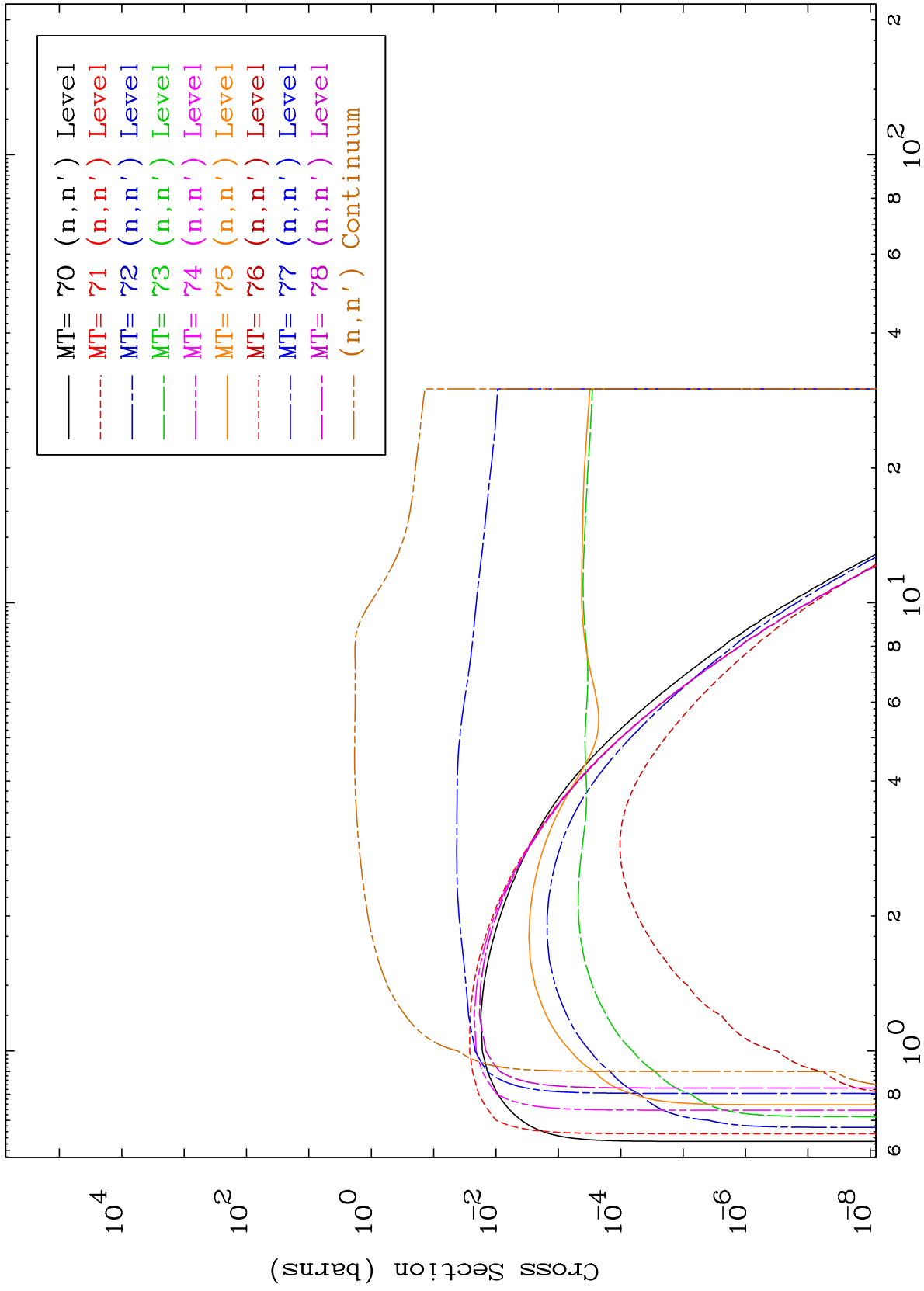
Incident Energy (MeV)

57-La-132

MAT 5707

(n,n') Level
293 Kelvin Cross Sections

57-La-132



9

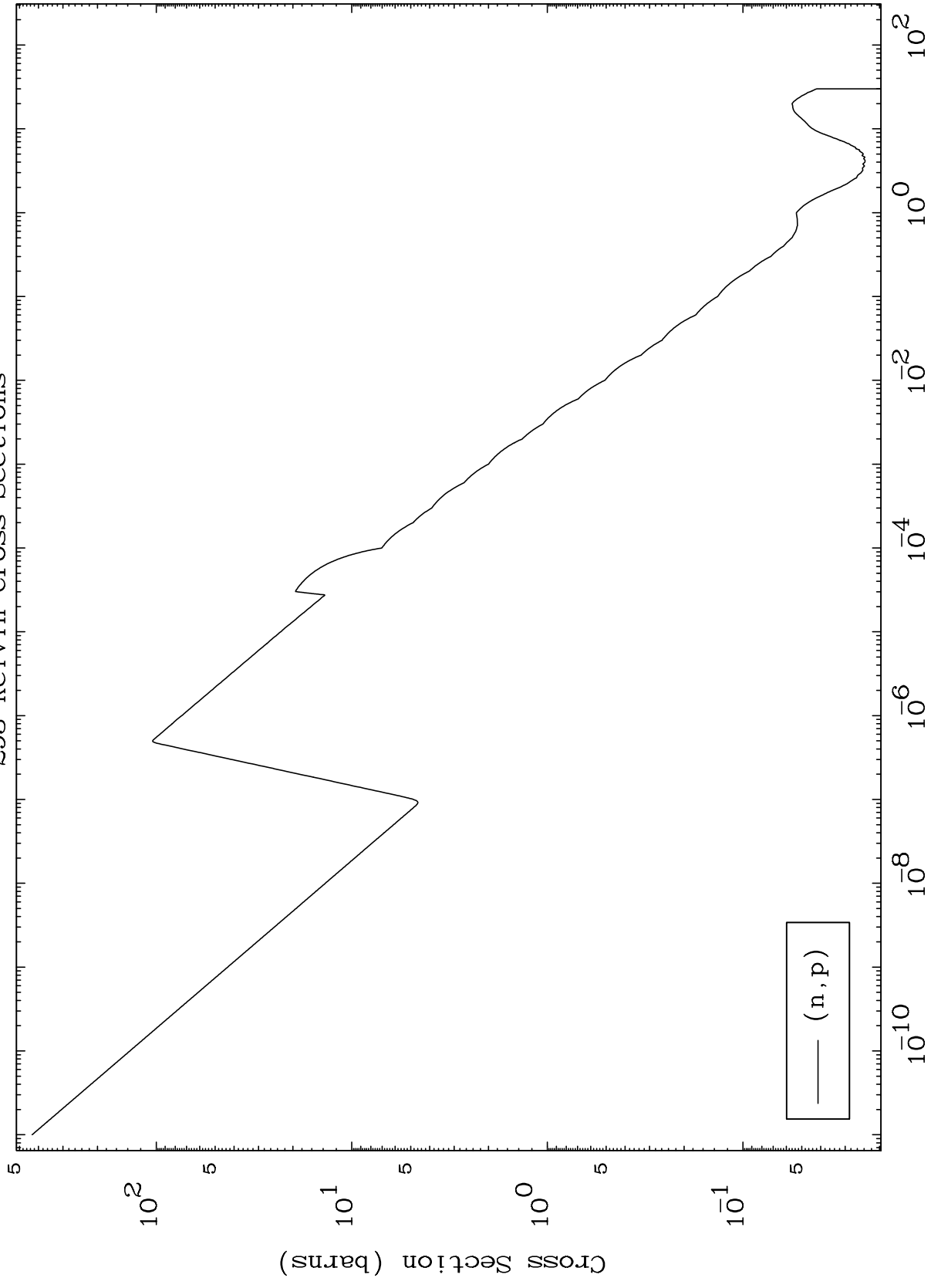
Incident Energy (MeV)

57-La-132

MAT 5707

(n,p) Levels
293 Kelvin Cross Sections

57-La-132



10

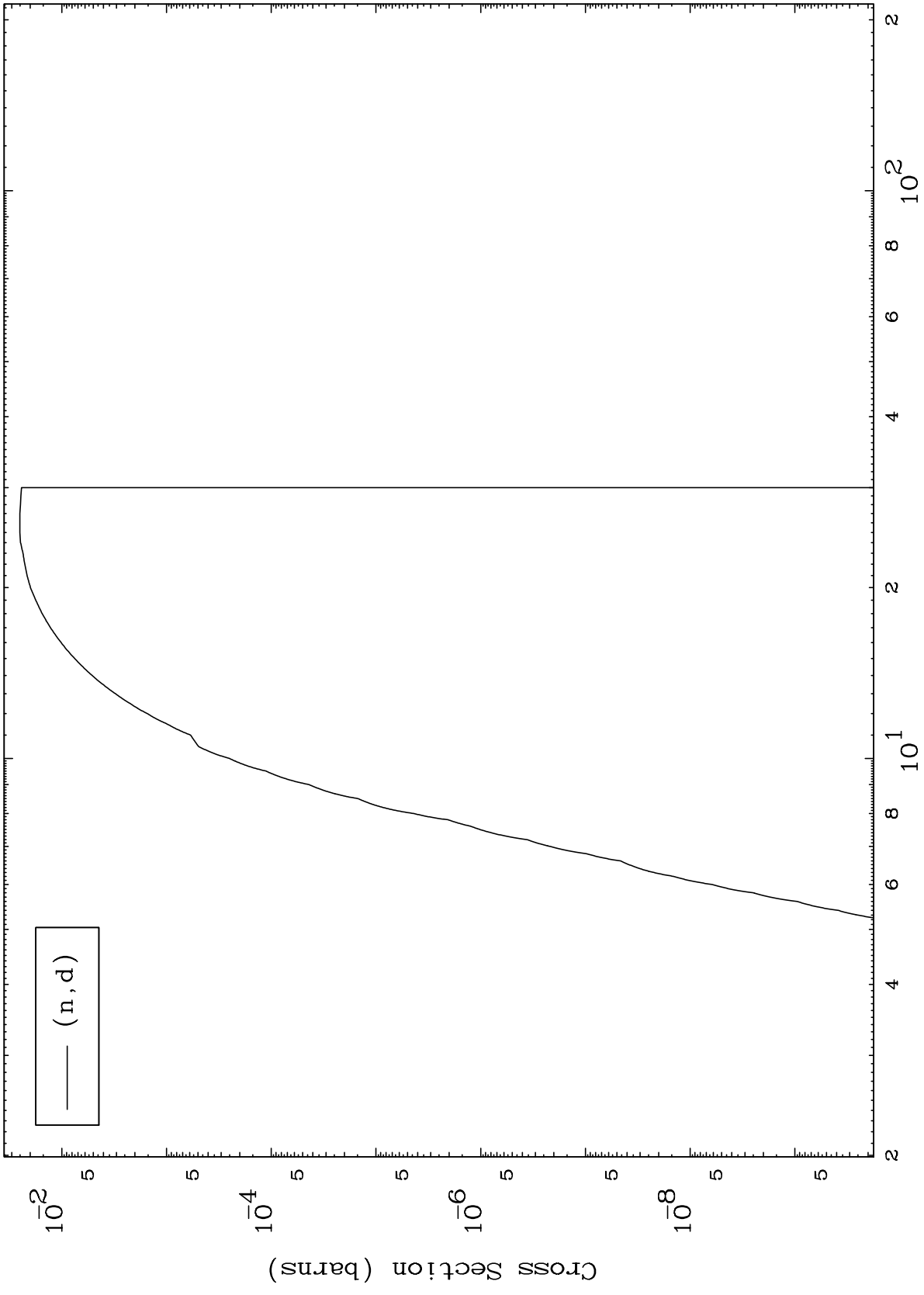
Incident Energy (MeV)

57-La-132

MAT 5707

(n,d) Levels
293 Kelvin Cross Sections

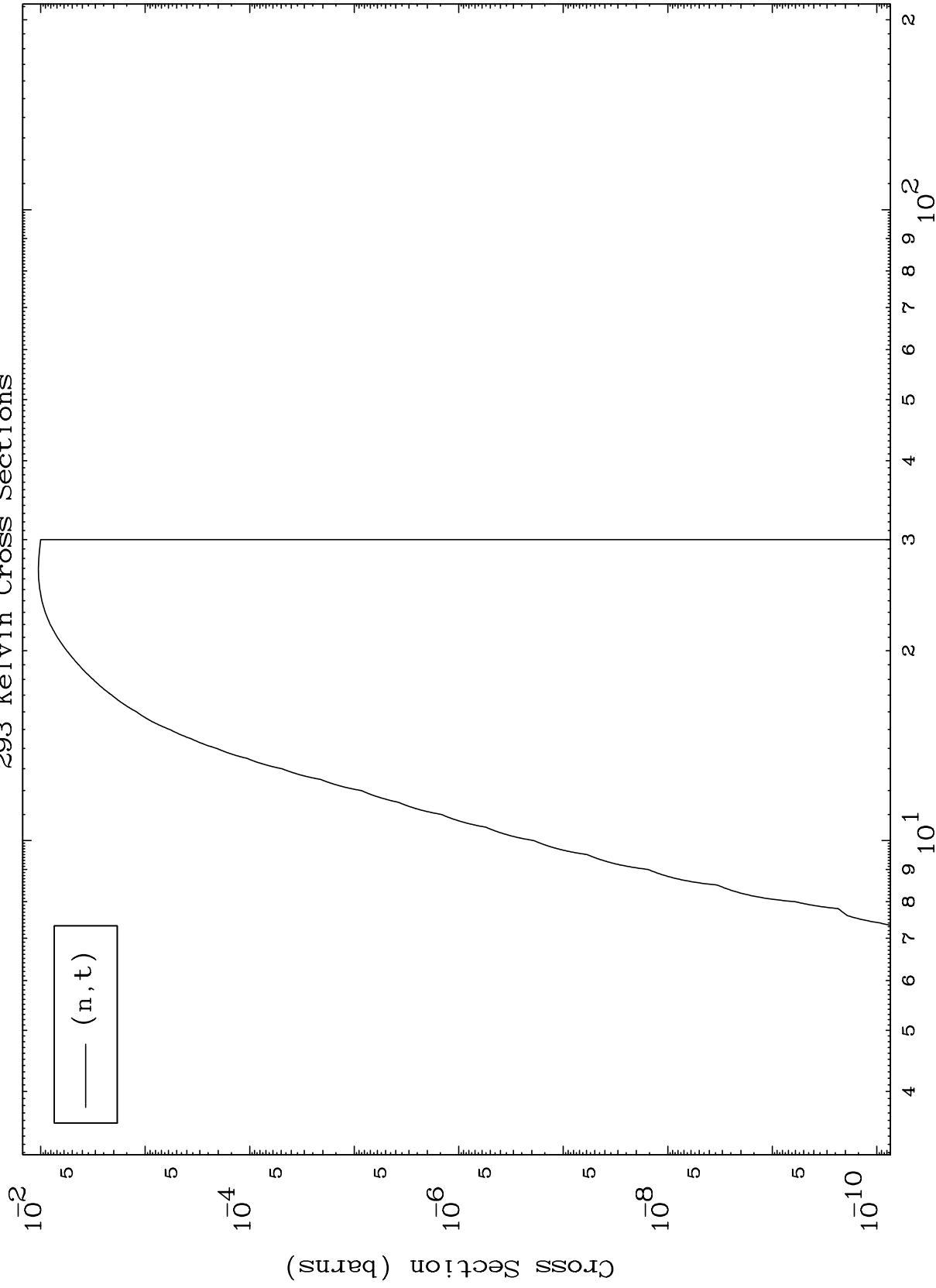
57-La-132



MAT 5707

(n,t) Levels
293 Kelvin Cross Sections

57-La-132



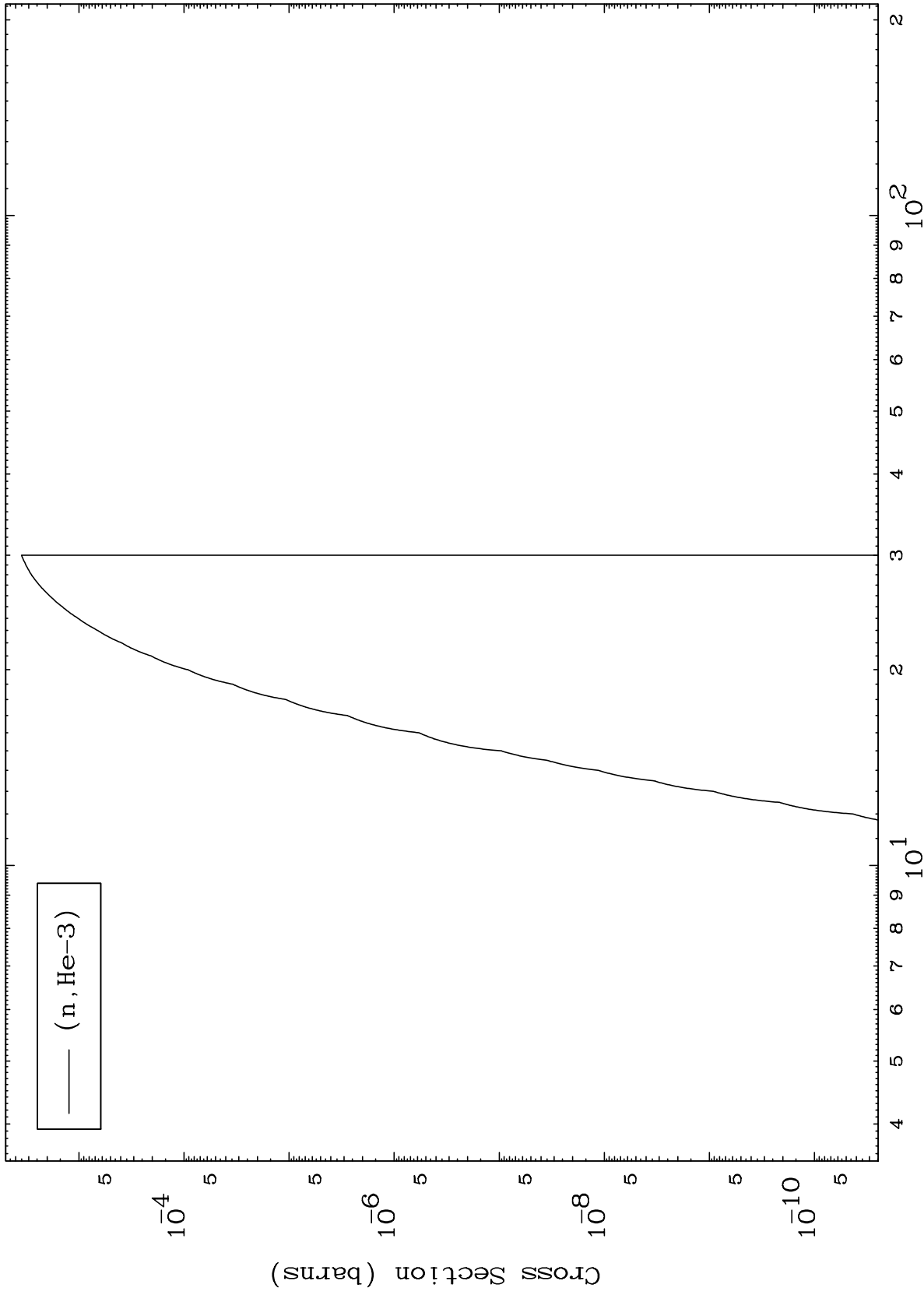
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57-La-132

MAT 5707

(n,He3) Levels
293 Kelvin Cross Sections

57-La-132



13

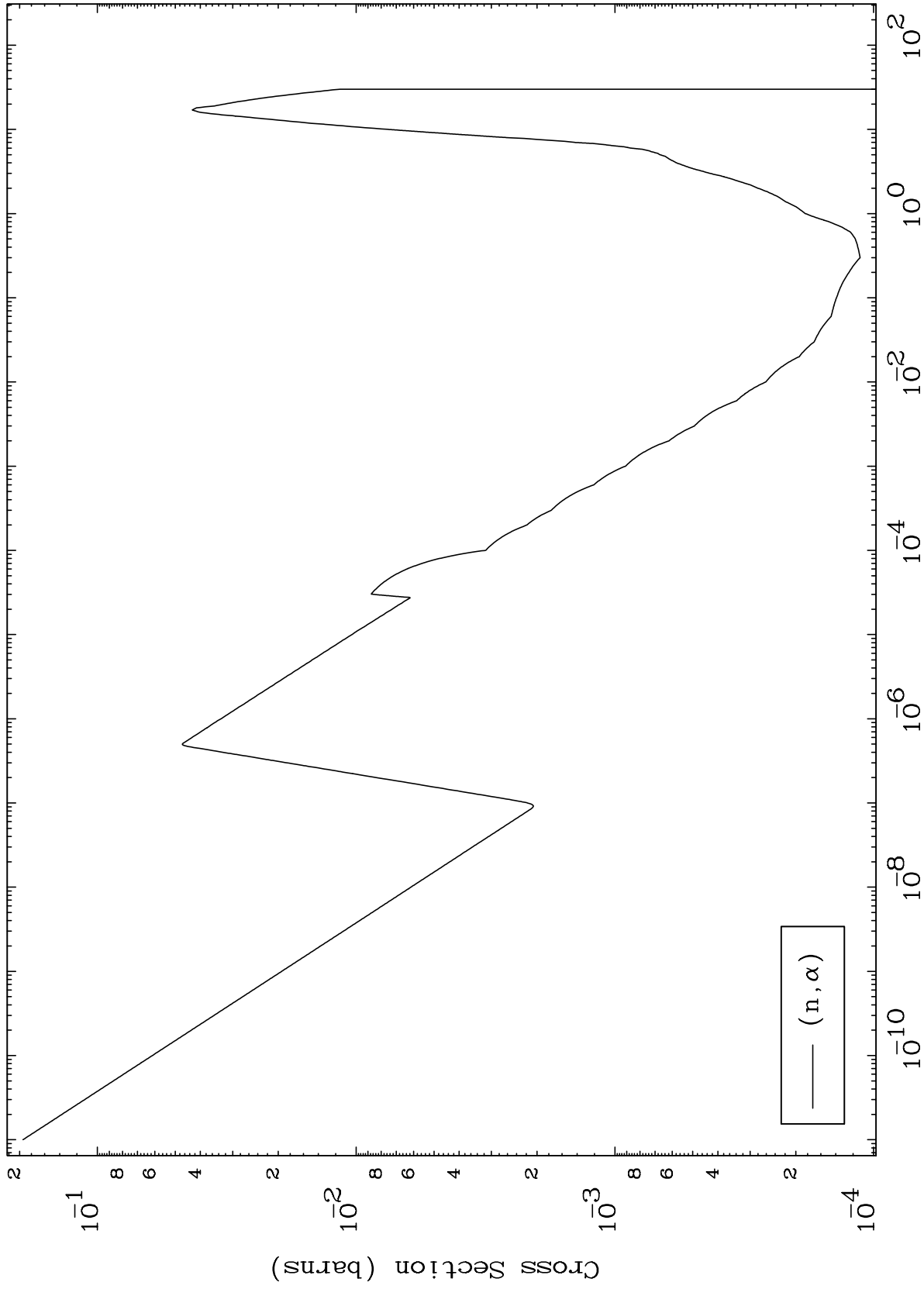
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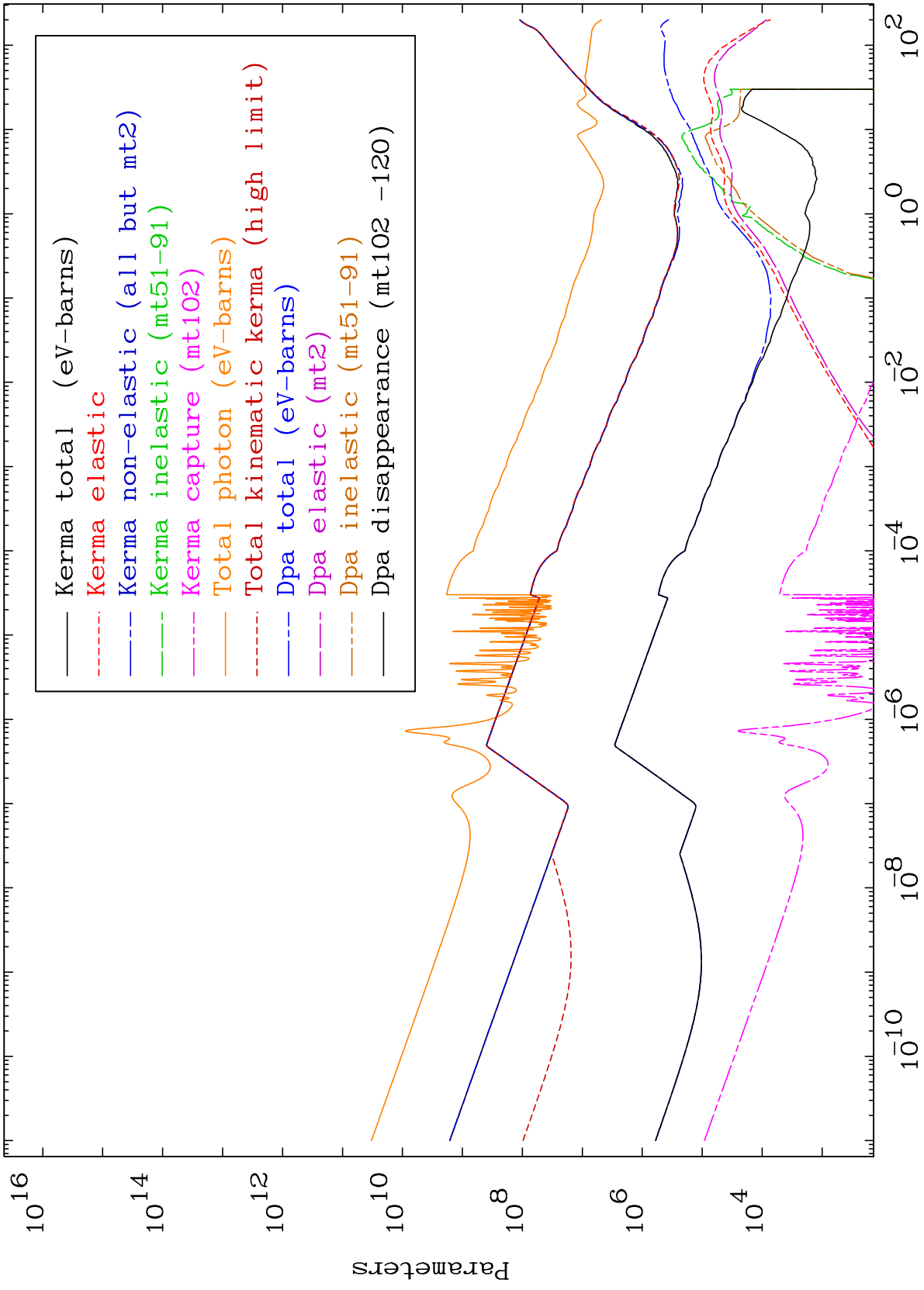
57-La-132

MAT 5707

(n,α) Levels
293 Kelvin Cross Sections

57-La-132

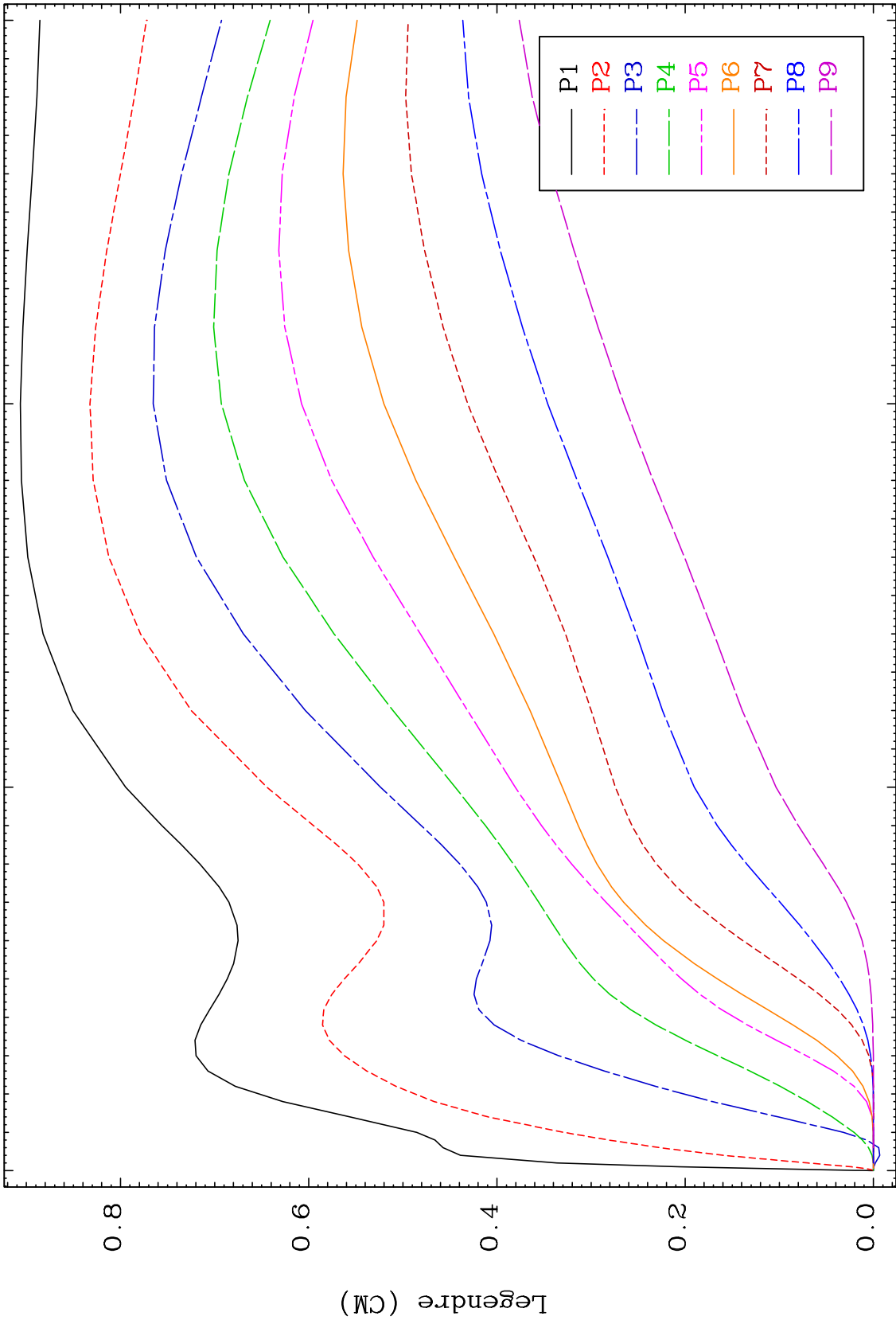




MAT 5707

Elastic Legendre Coefficients

57-La-132



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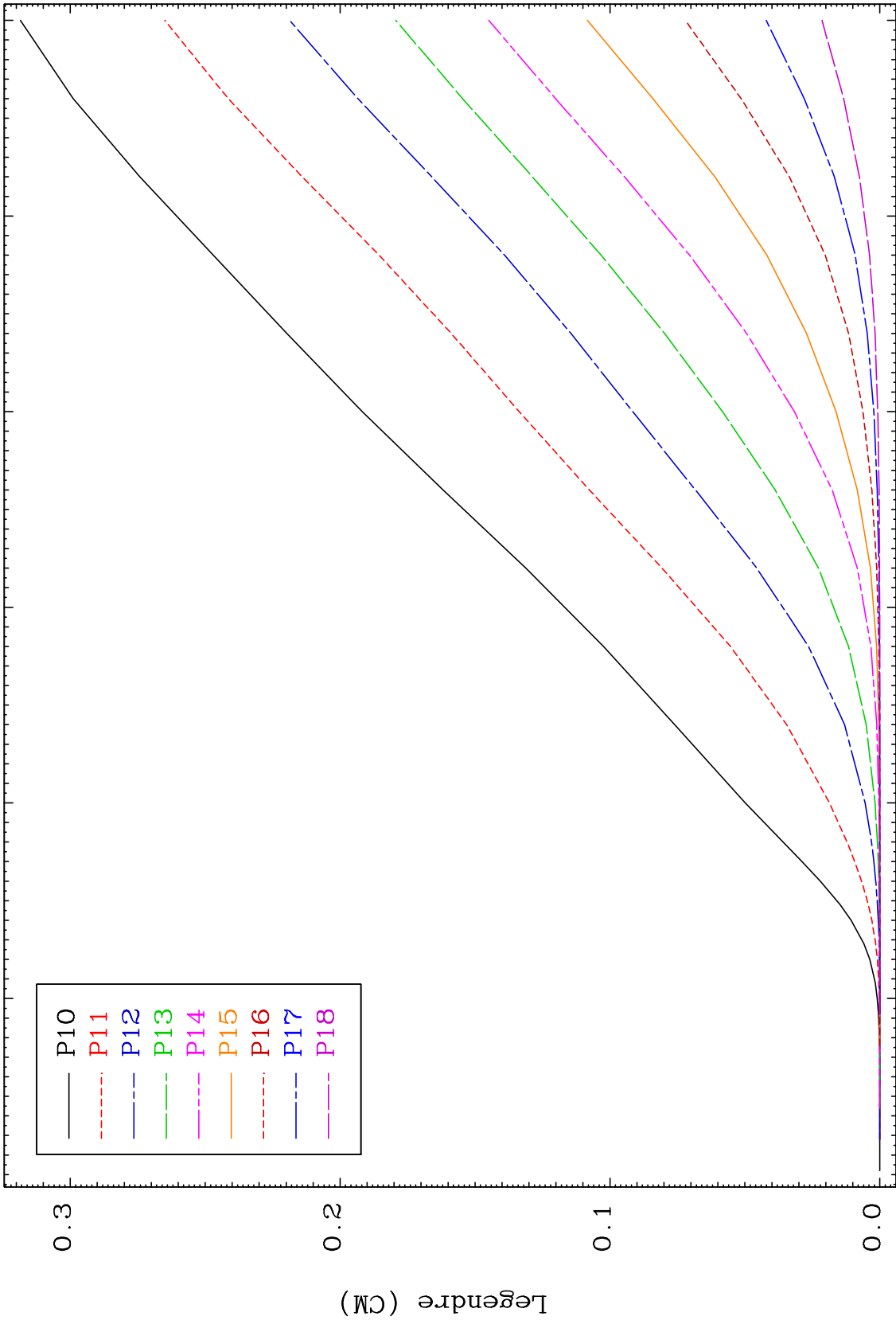
Incident Energy (MeV)

57-La-132

MAT 5707

Elastic Legendre Coefficients

57-La-132



17

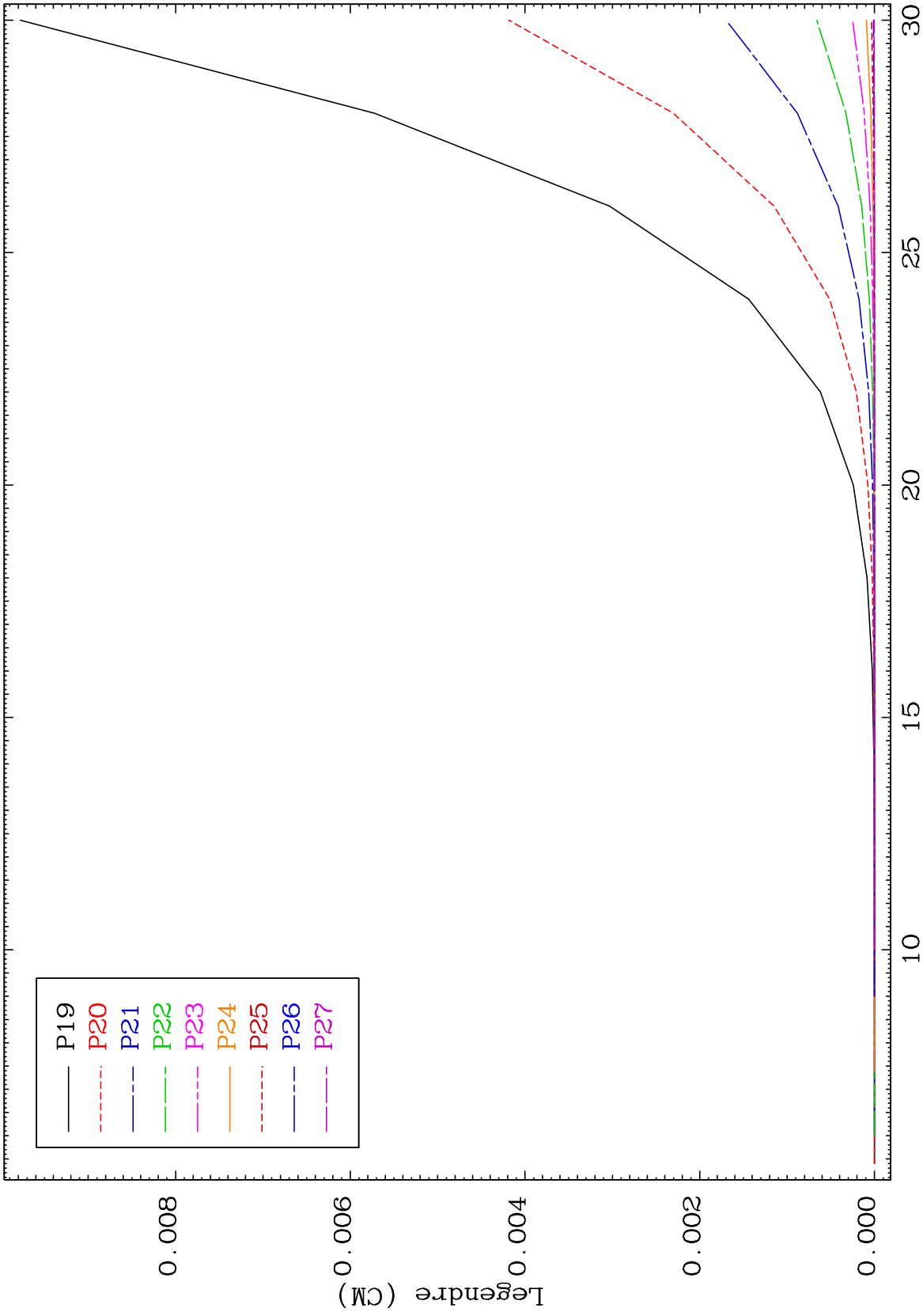
Incident Energy (MeV)

57-La-132

MAT 5707

Elastic Legendre Coefficients

57-La-132



18

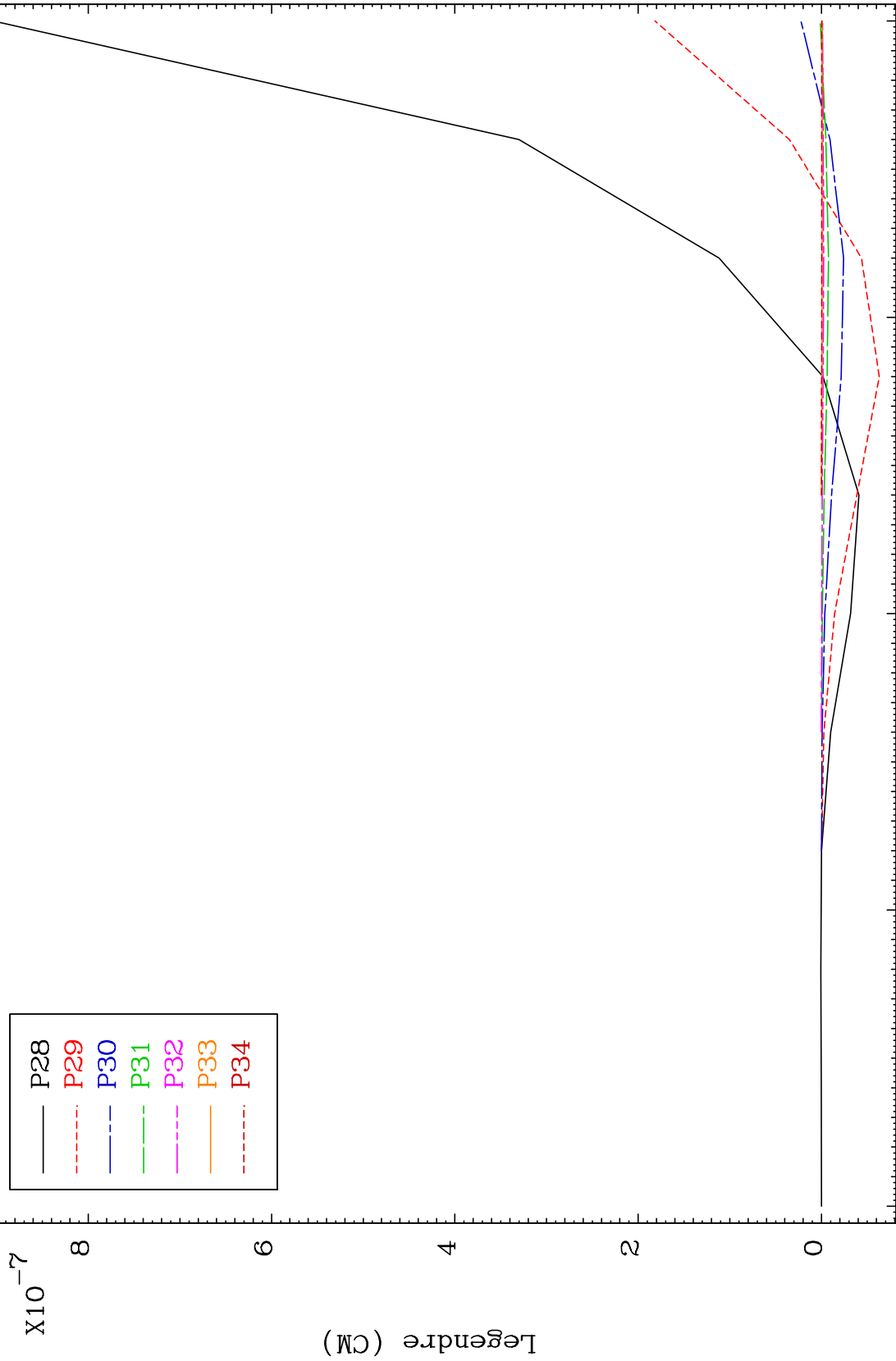
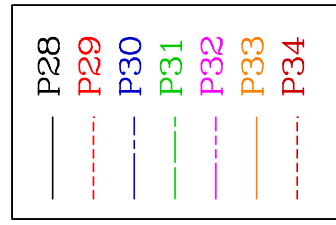
Incident Energy (MeV)

57-La-132

MAT 5707

Elastic
Legendre Coefficients

57-La-132



19

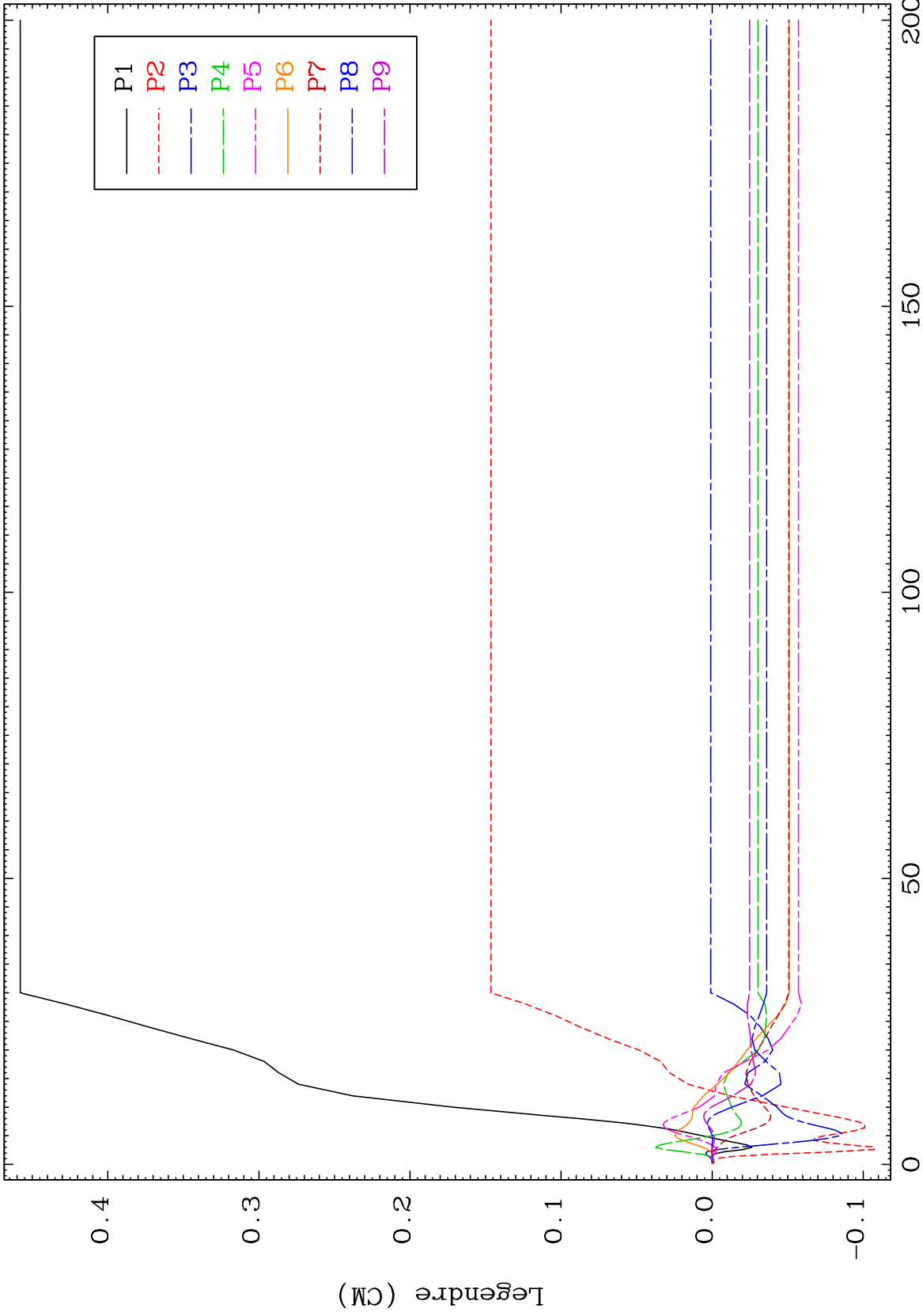
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



57-La-132

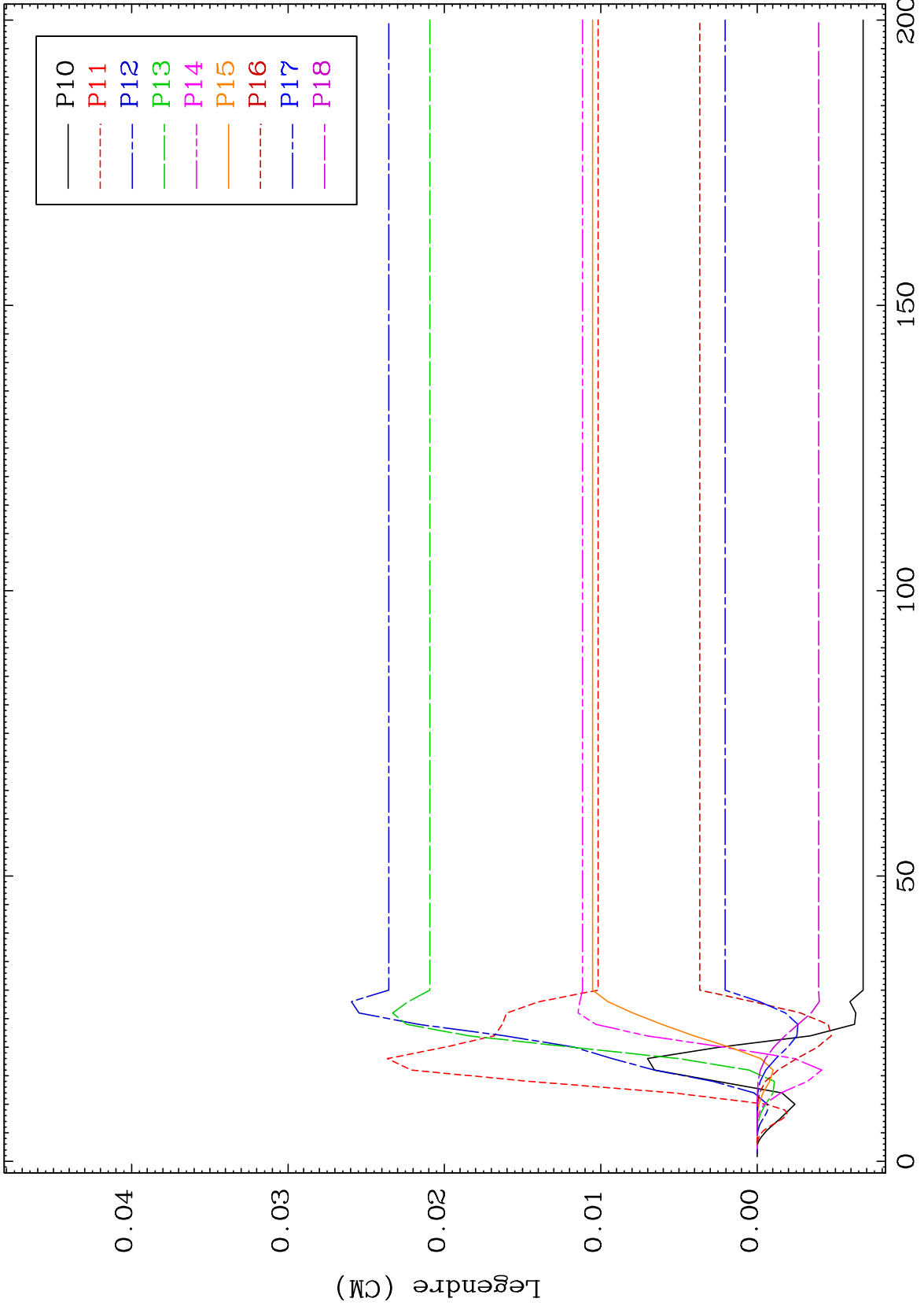
Incident Energy (MeV)

Legendre (CM)

MAT 5707

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

57-La-132



21

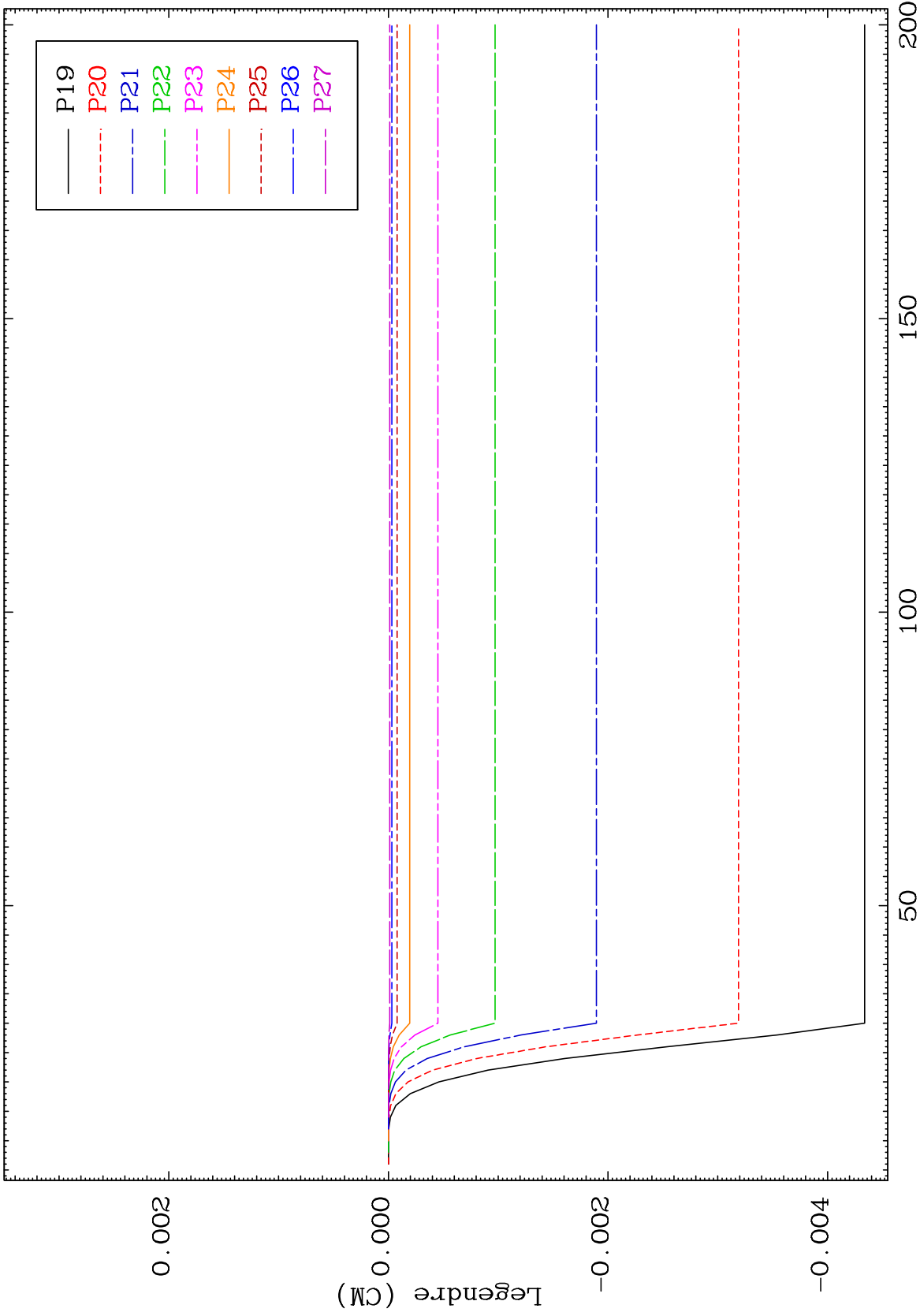
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



22

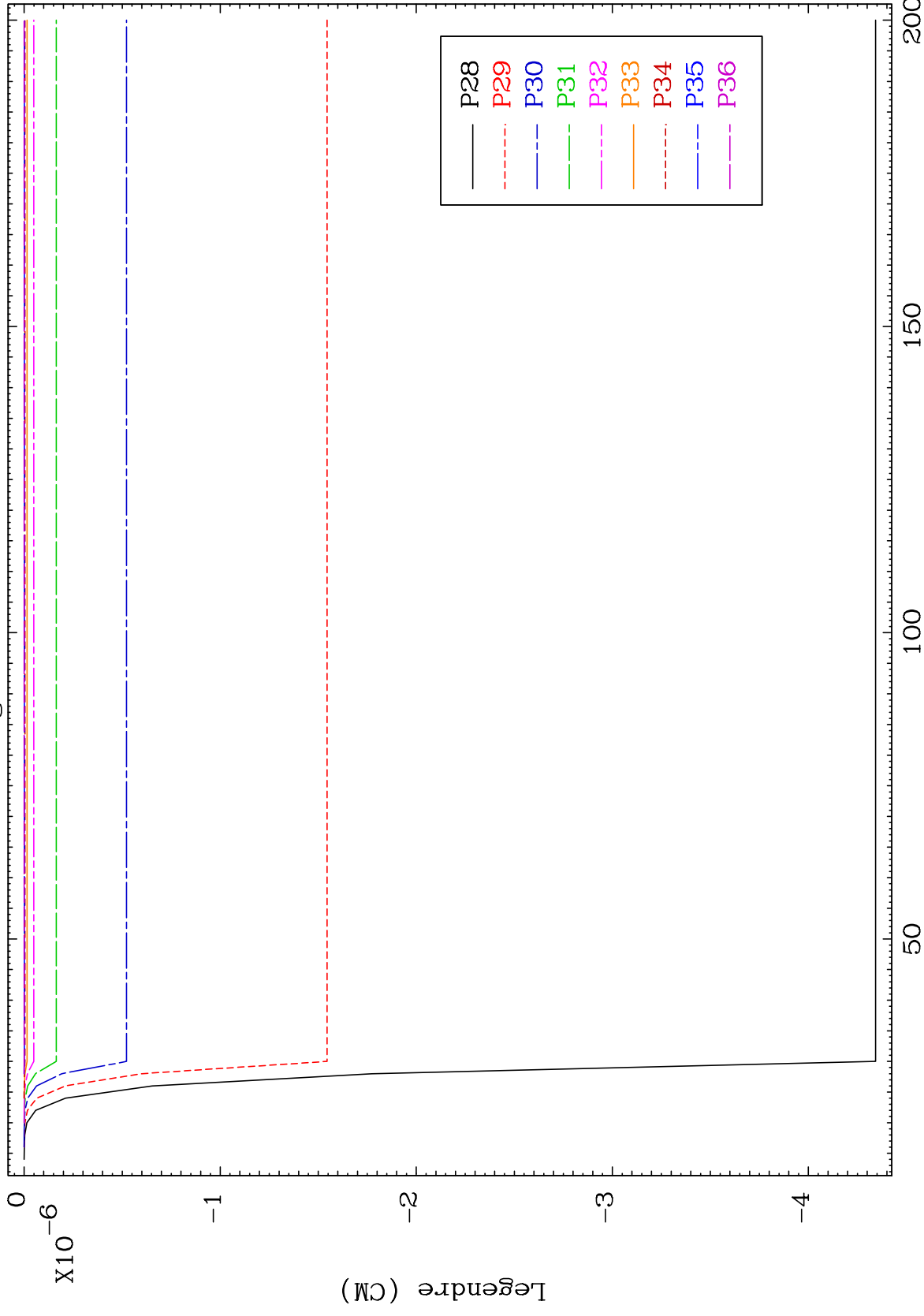
Incident Energy (MeV)

57-La-132

MAT 5707

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

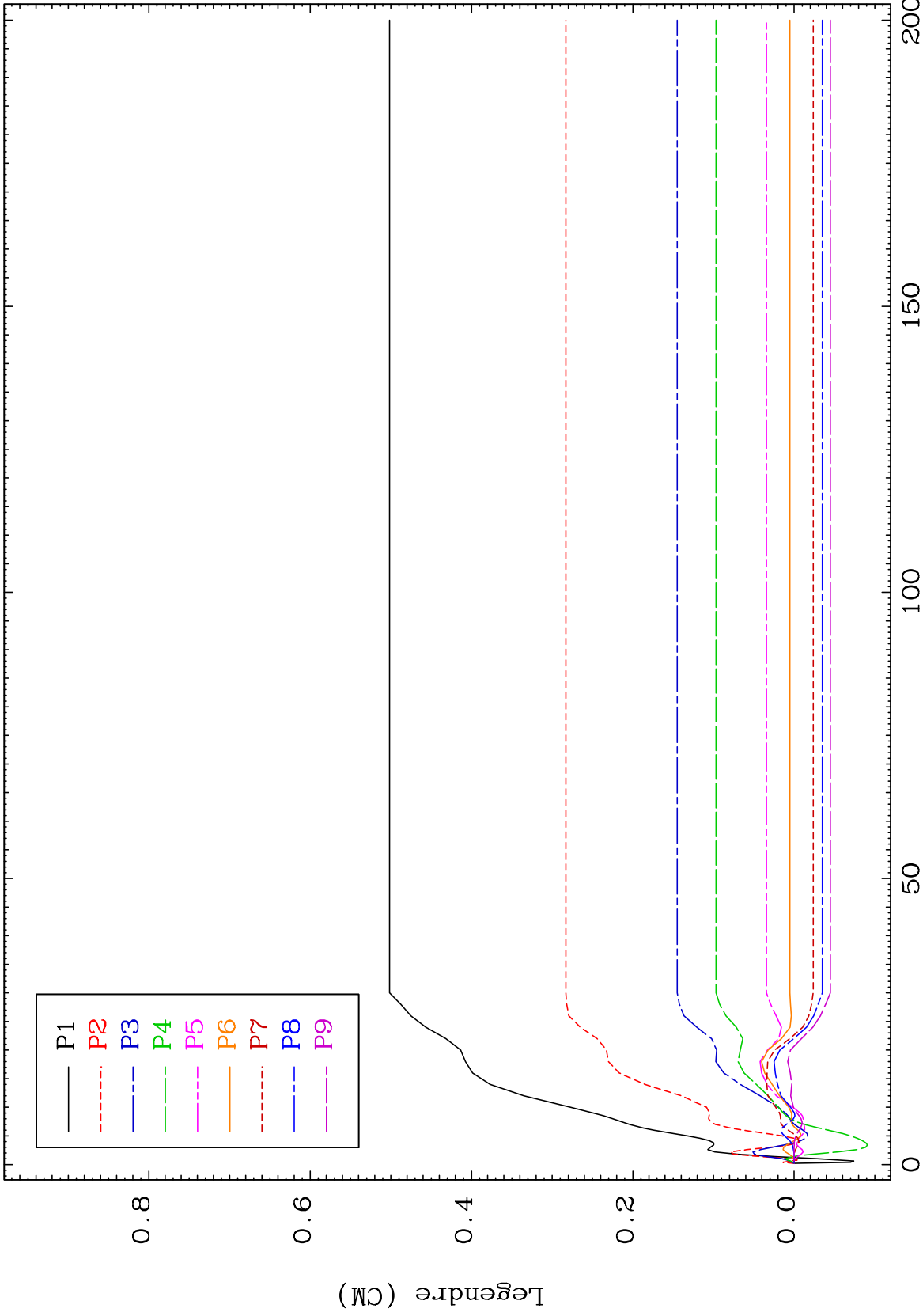
57-La-132



MAT 5707

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

57-La-132



24

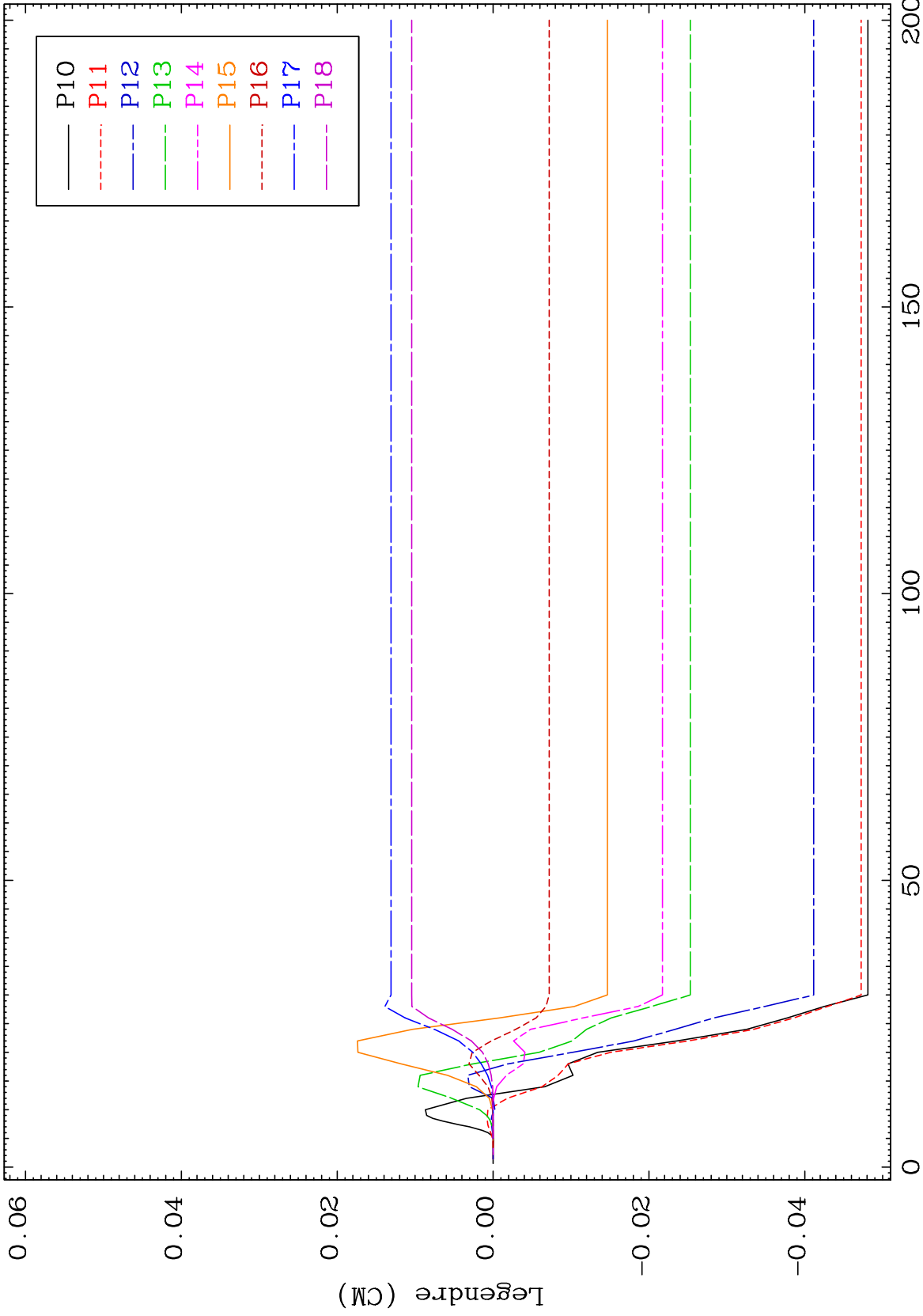
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



25

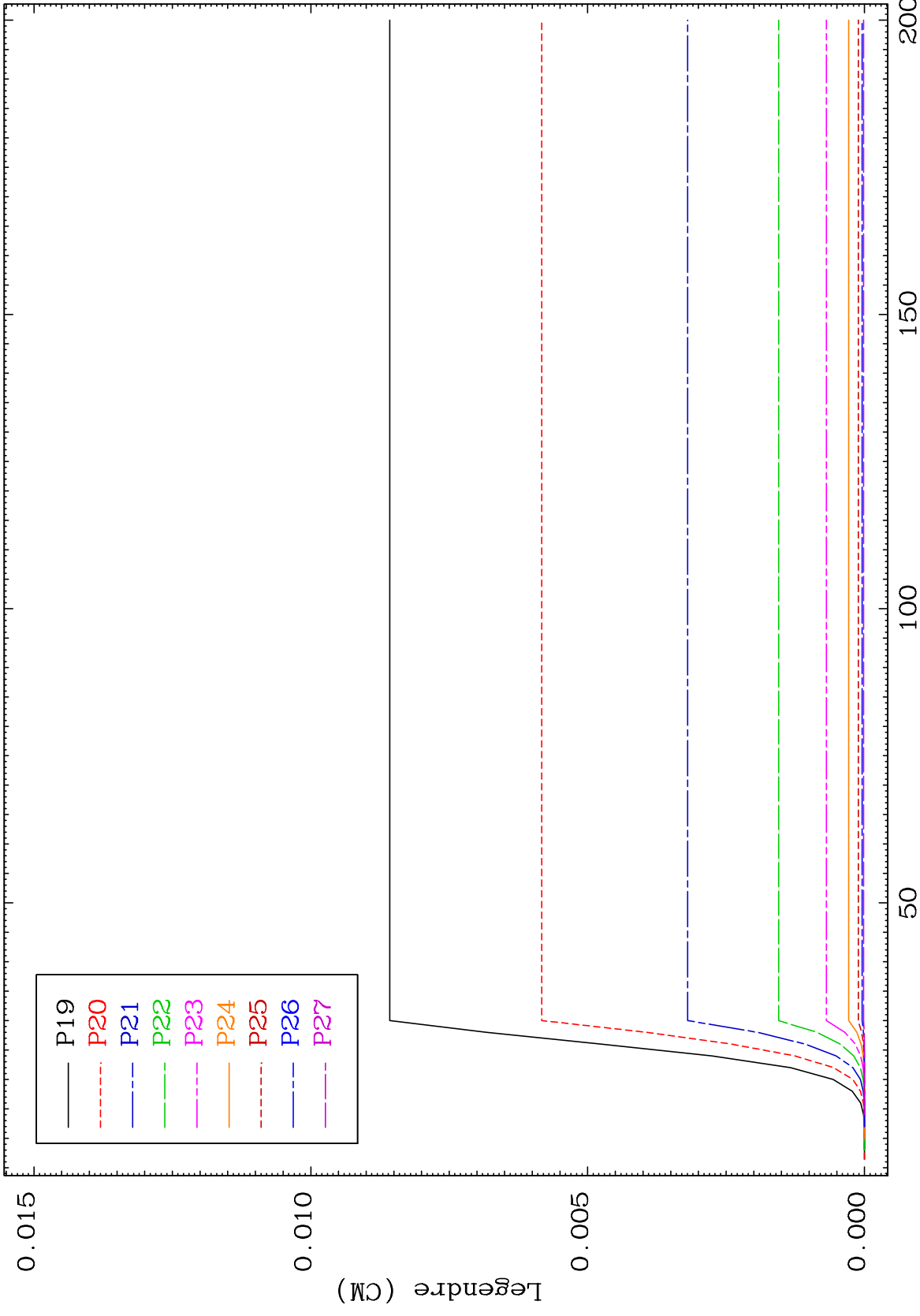
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



26

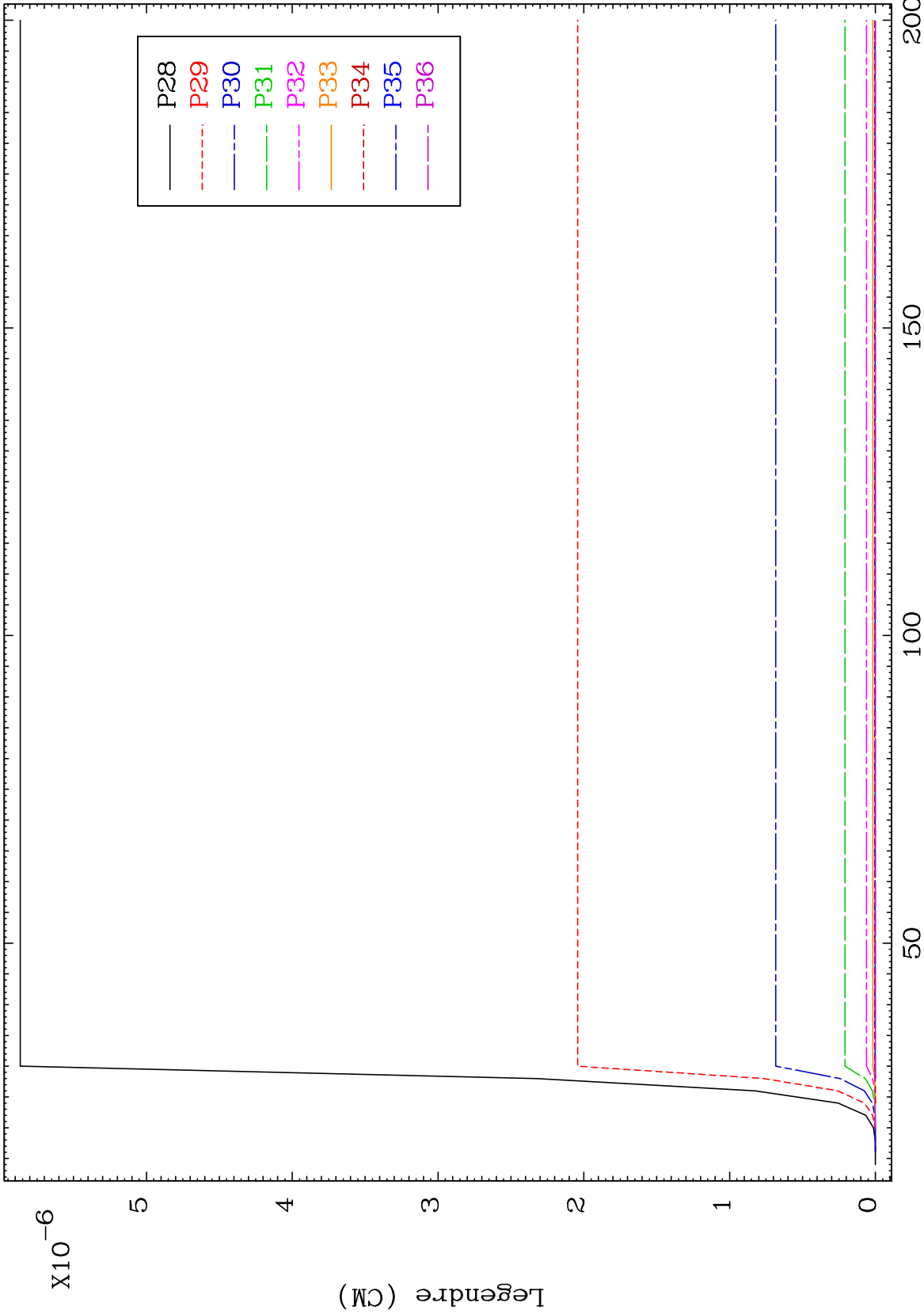
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



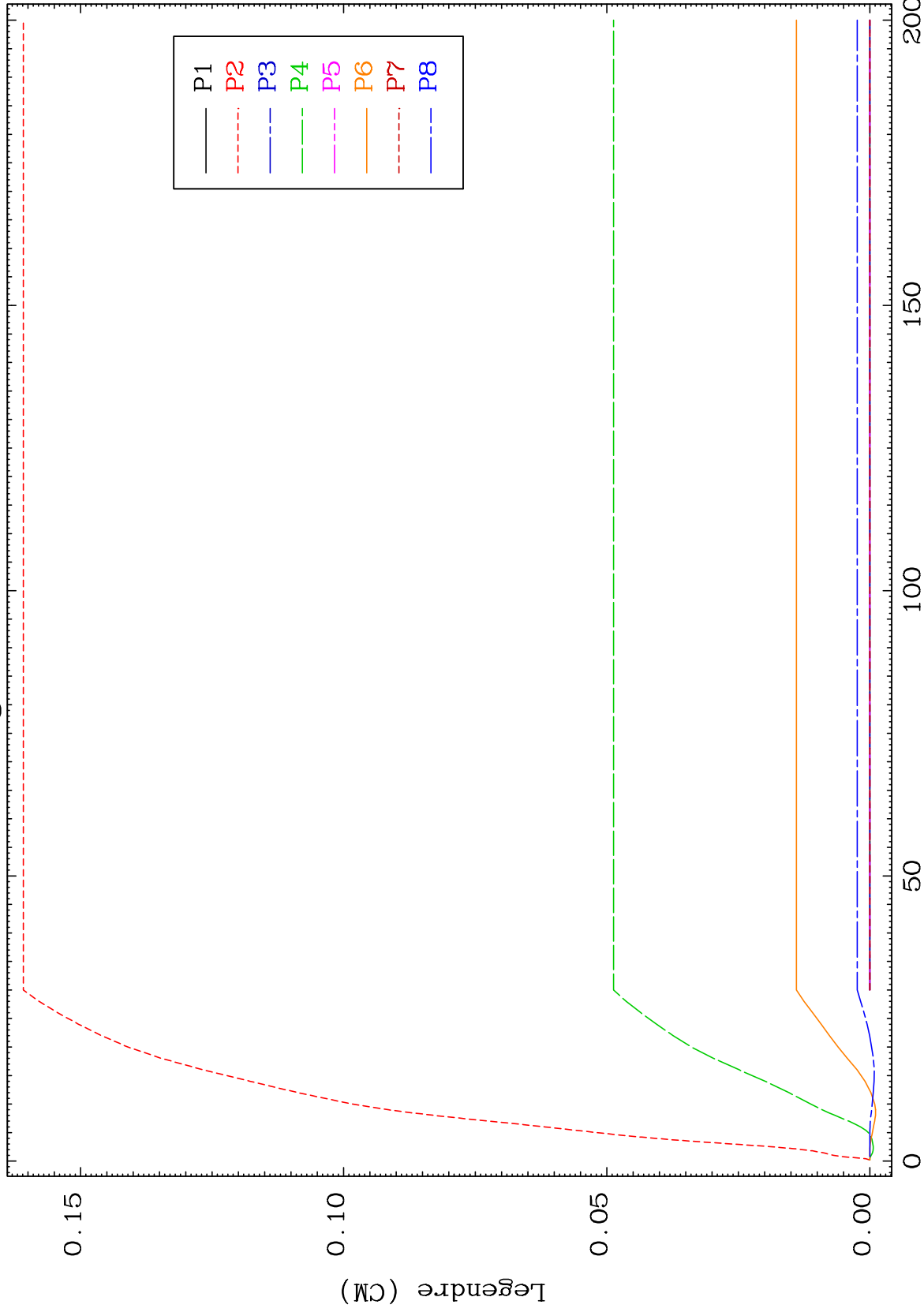
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57-La-132

MAT 5707

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

57-La-132



28

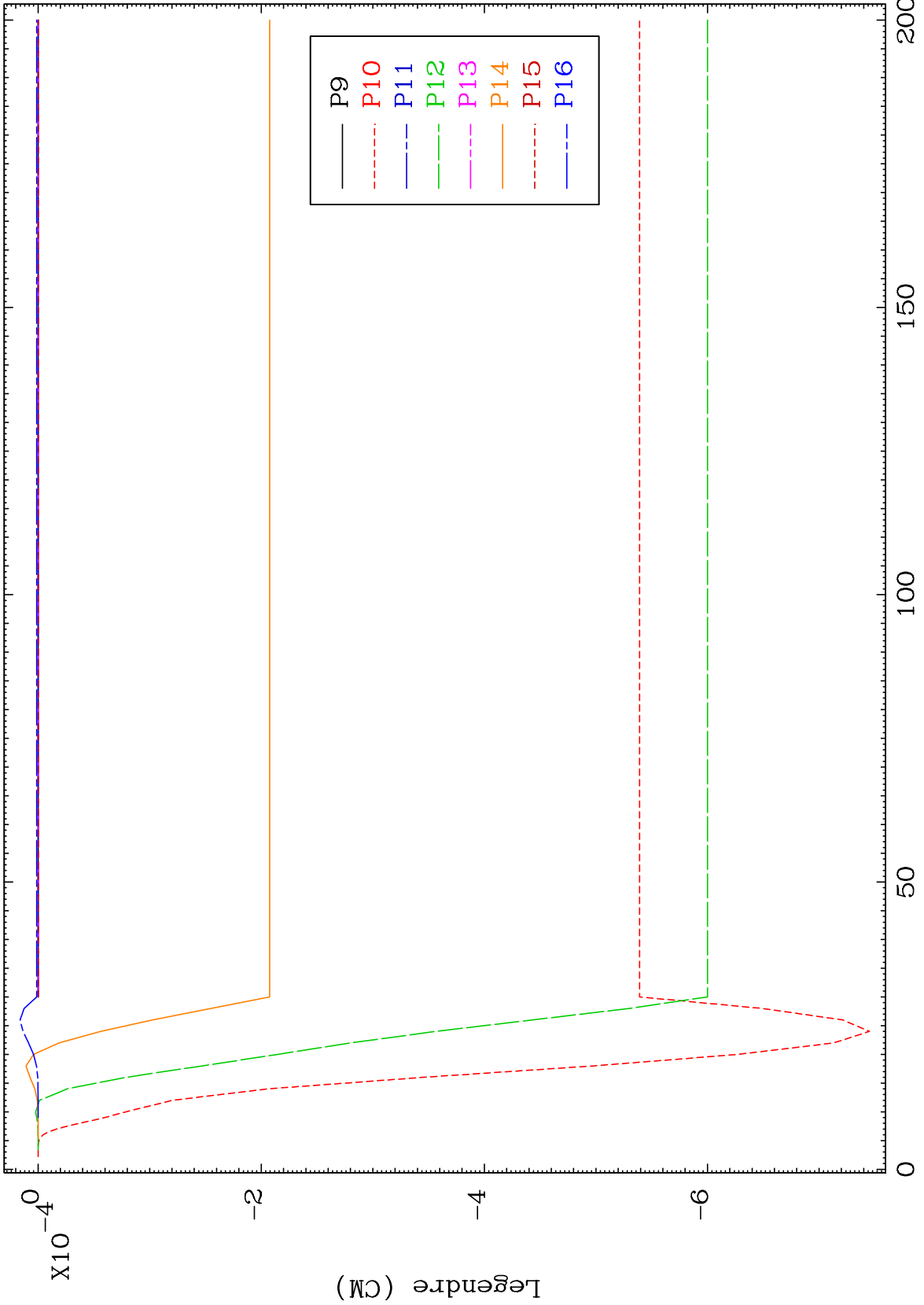
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



29

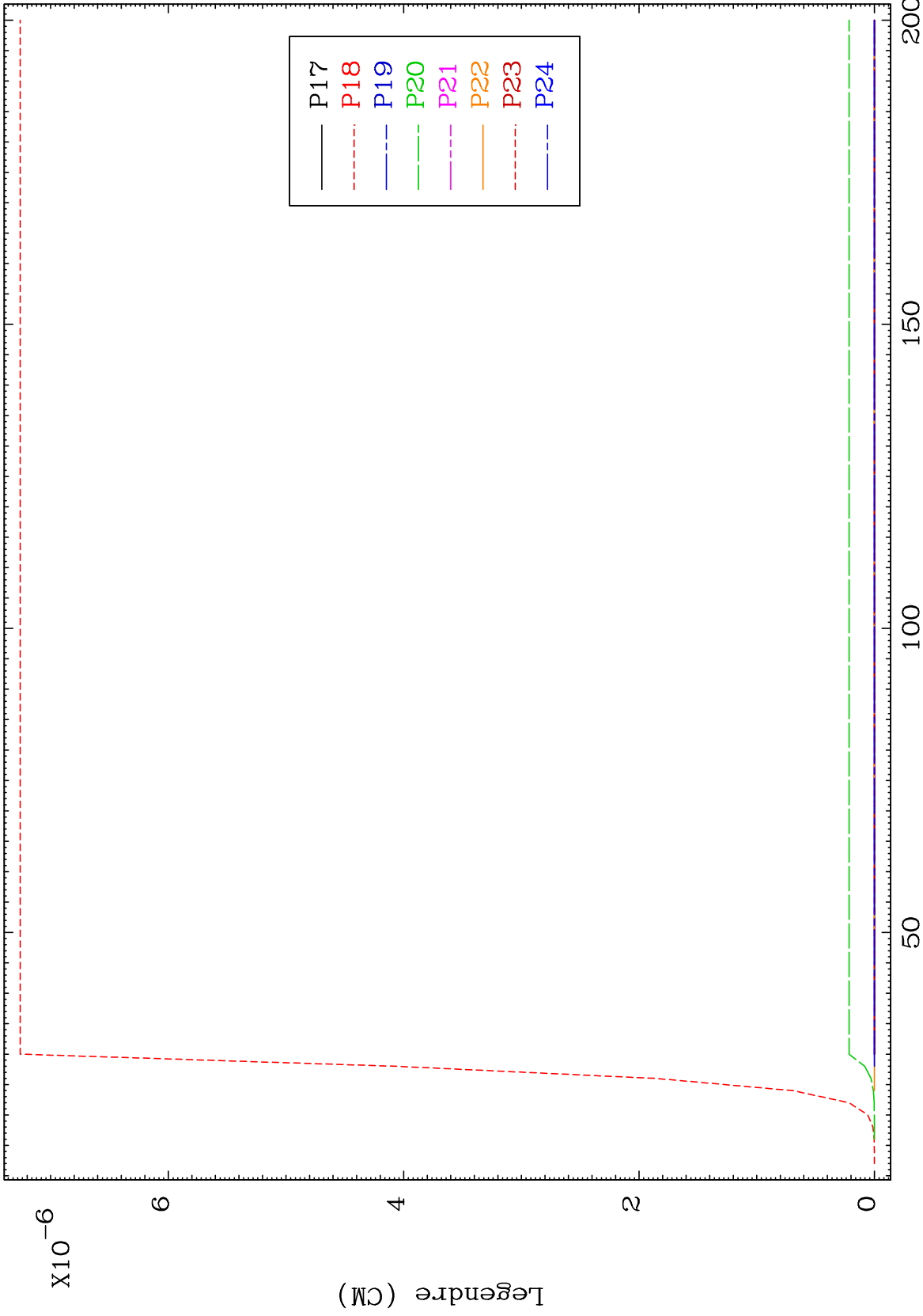
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



30

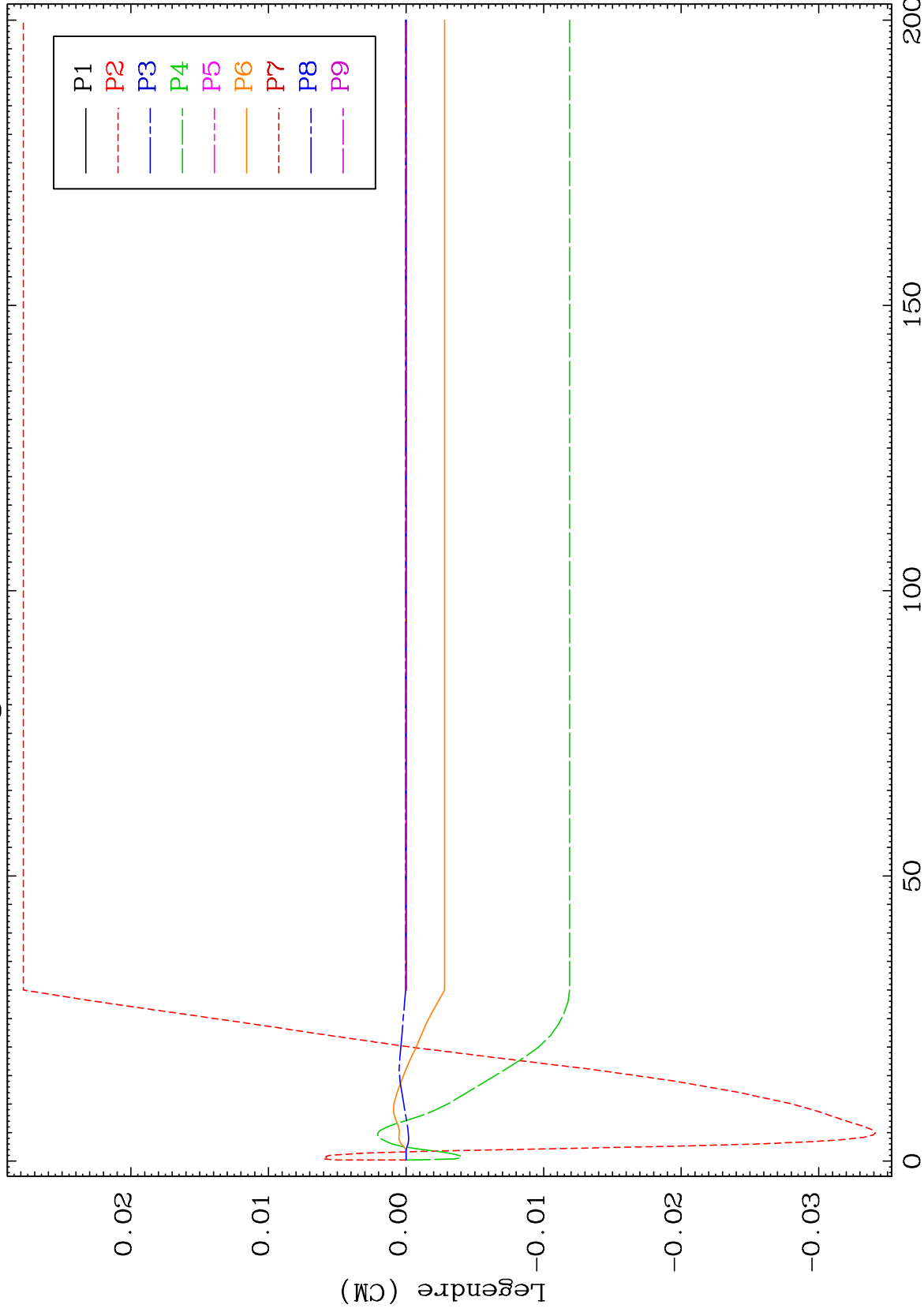
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



31

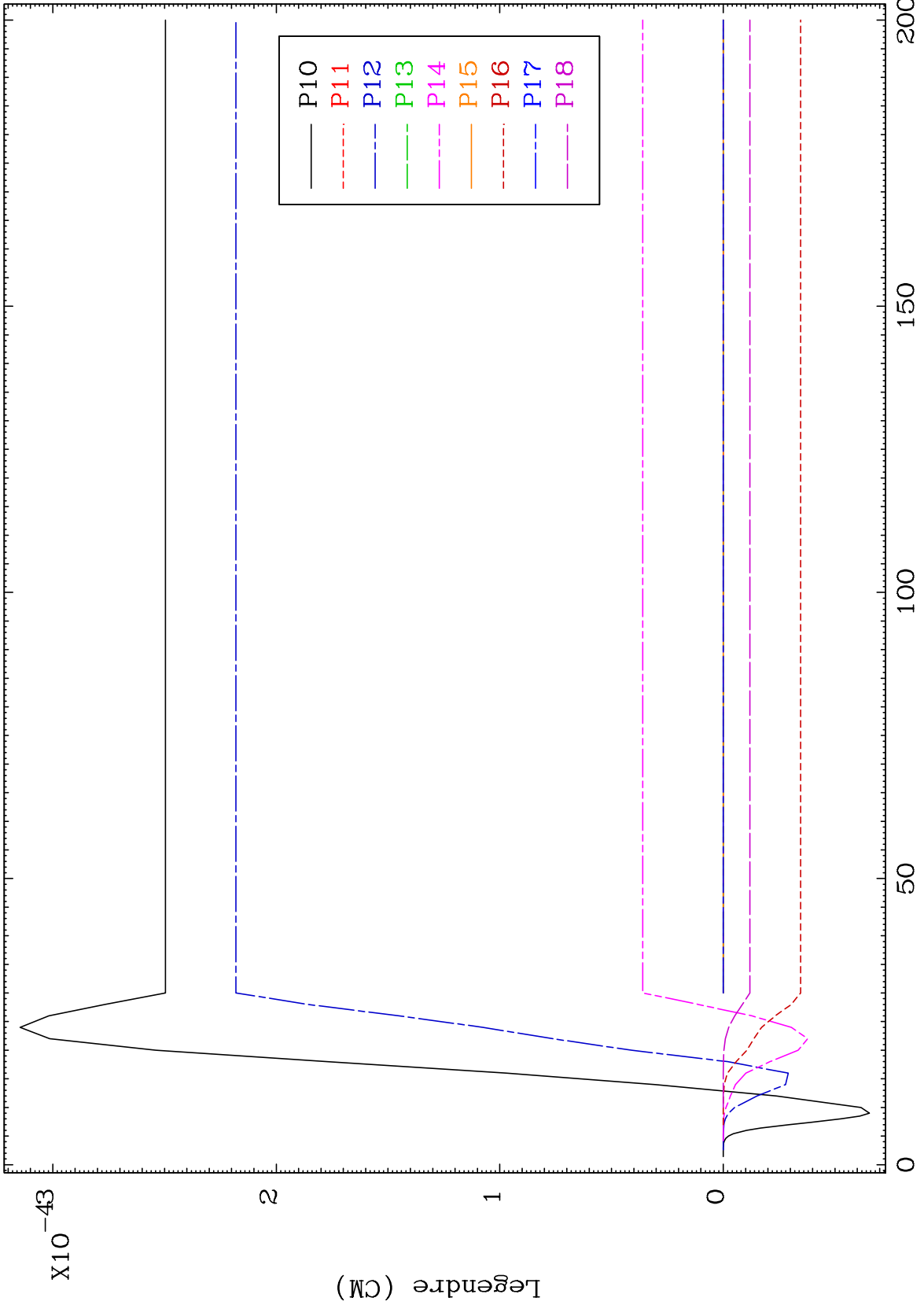
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



32

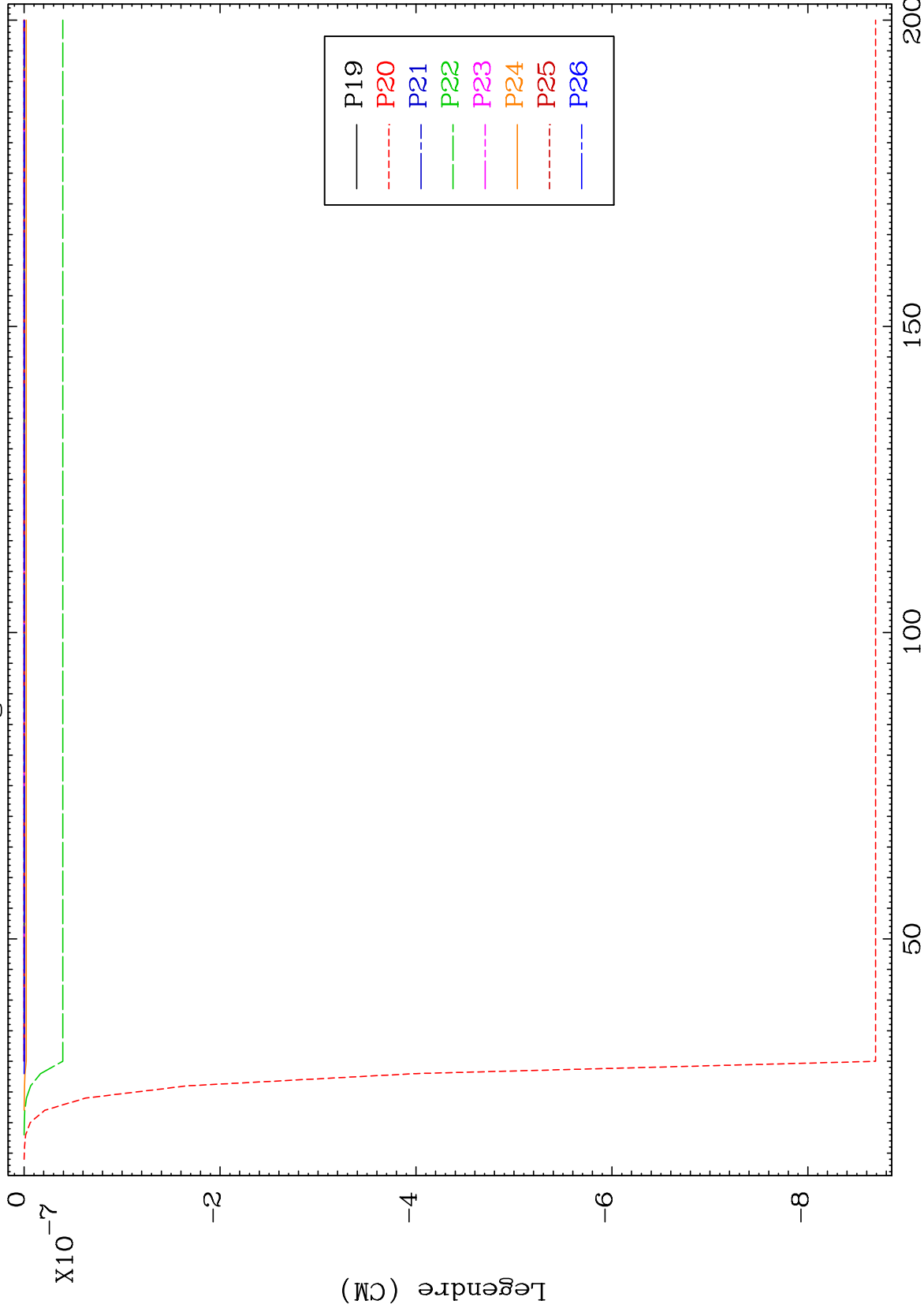
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



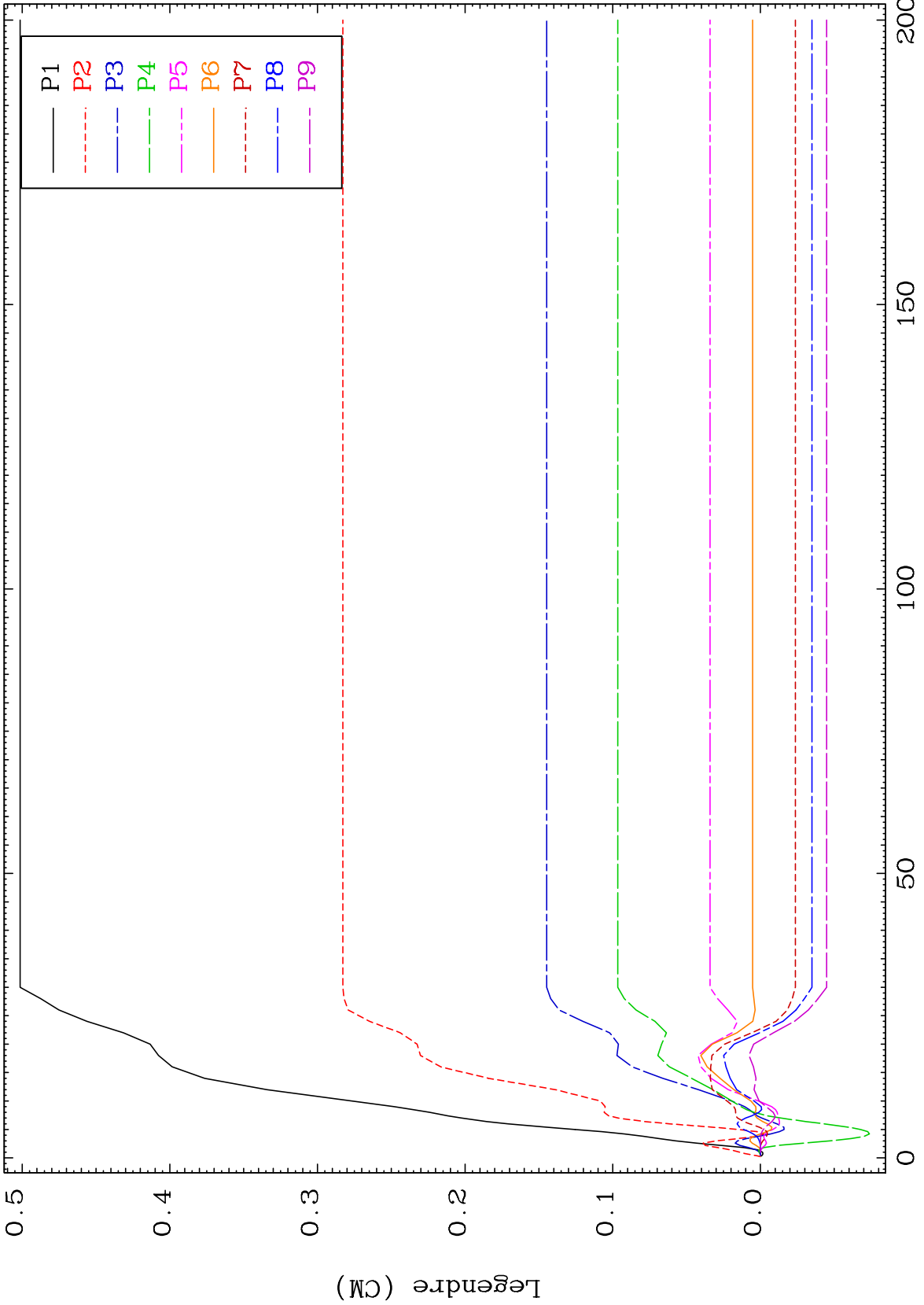
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57-La-132

MAT 5707

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

57-La-132



34

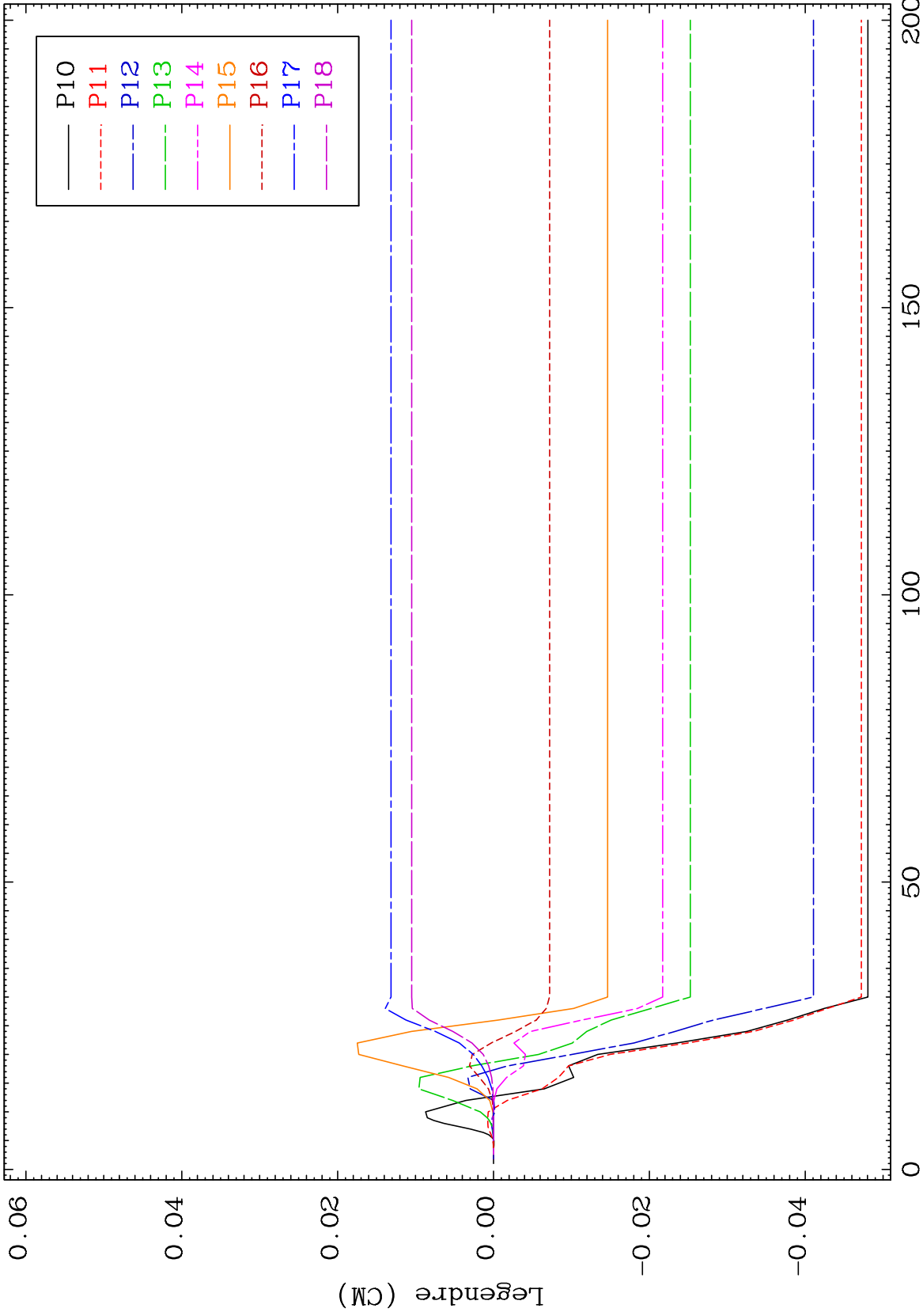
Incident Energy (MeV)

57-La-132

MAT 5707

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

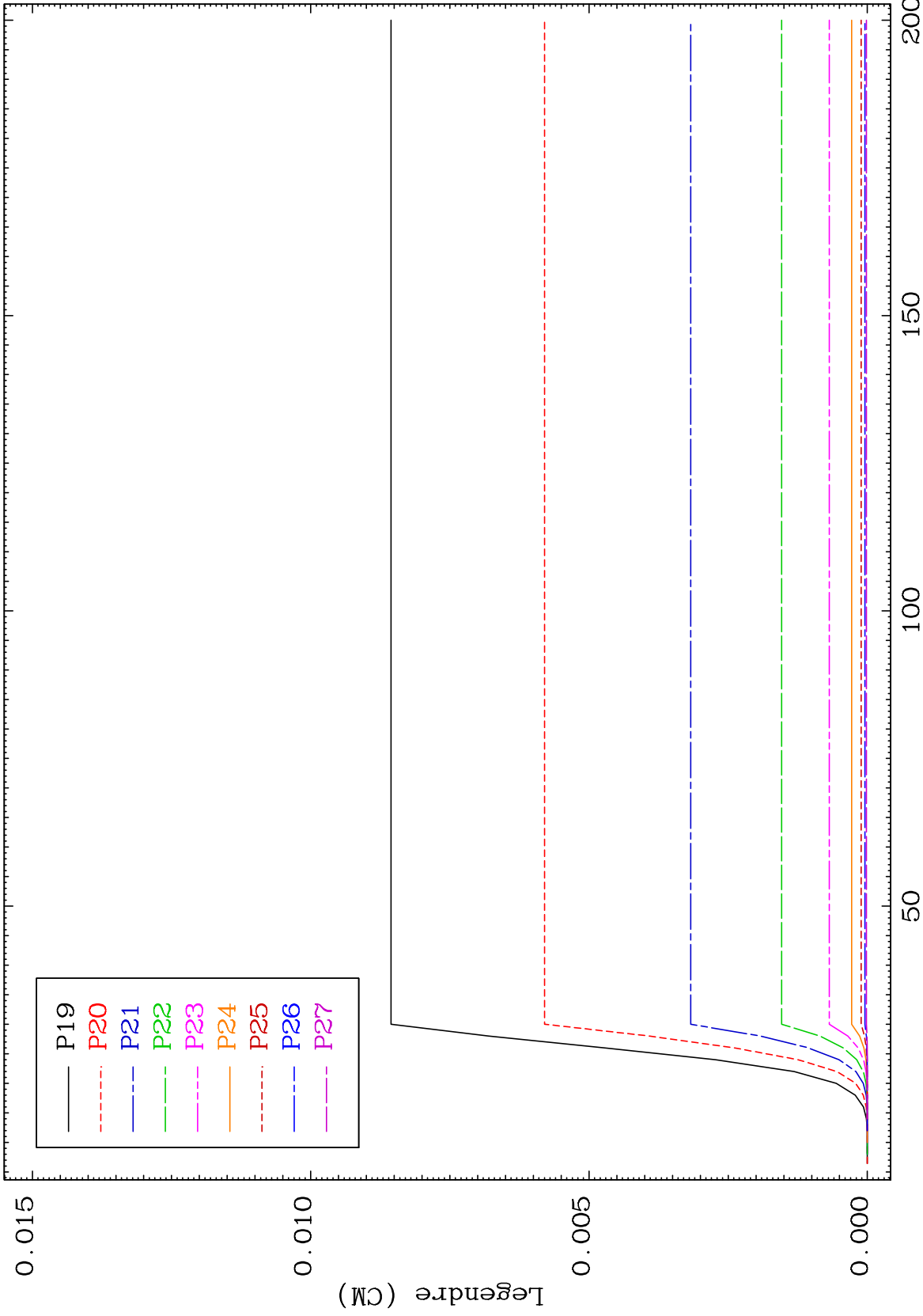
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35

Incident Energy (MeV)

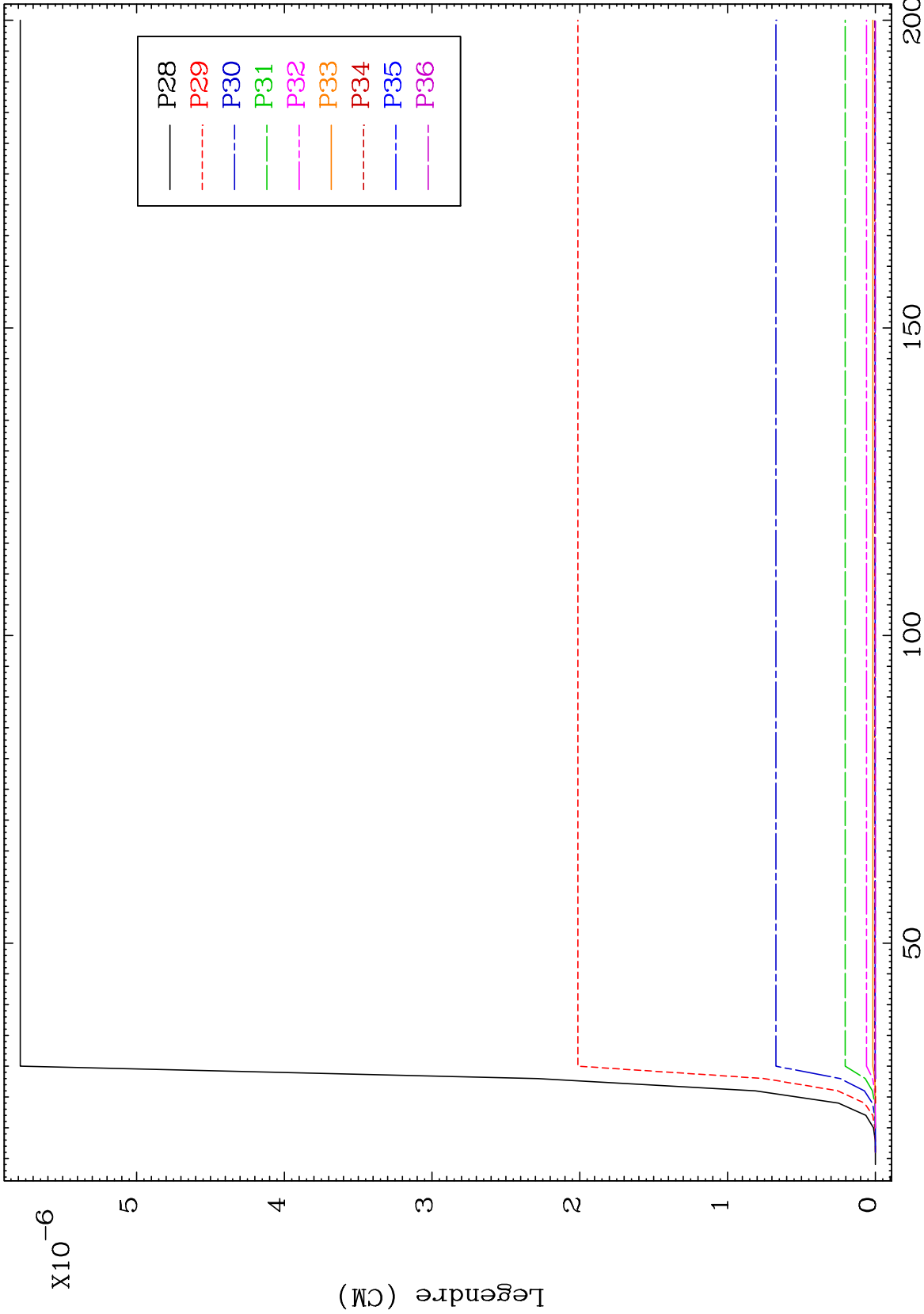
57-La-132



MAT 5707

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

57-La-132



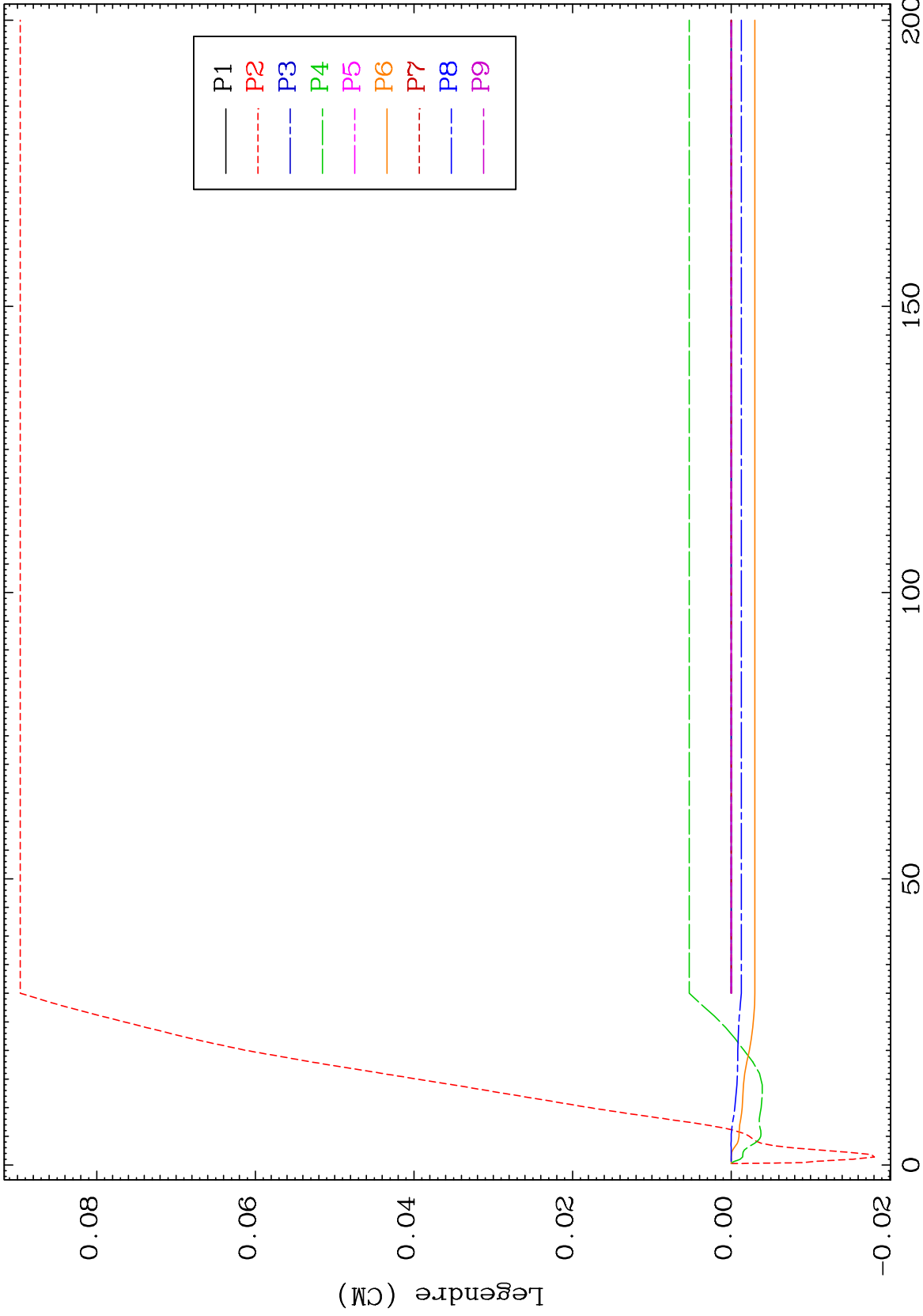
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57-La-132

MAT 5707

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

57-La-132



38

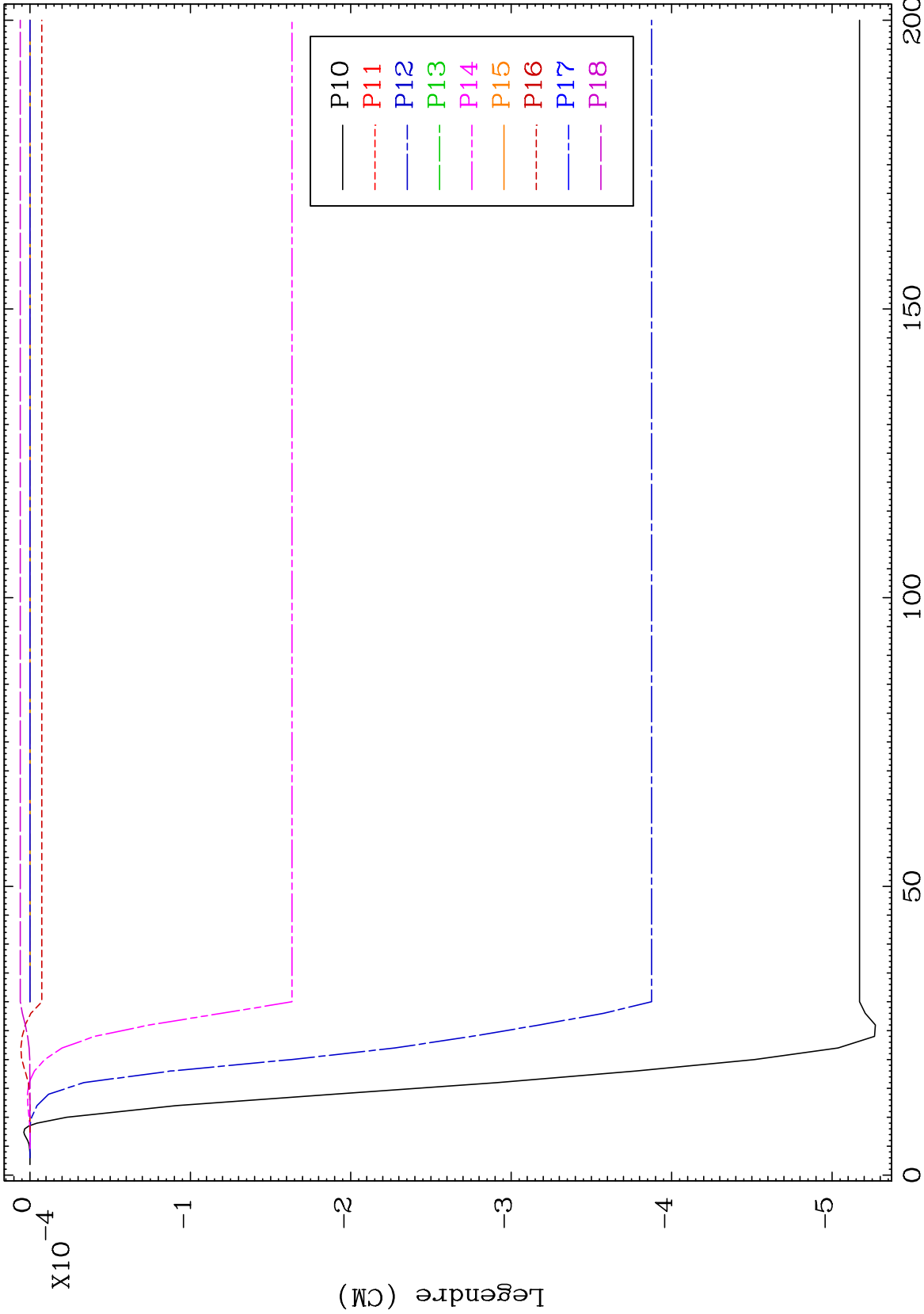
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



39

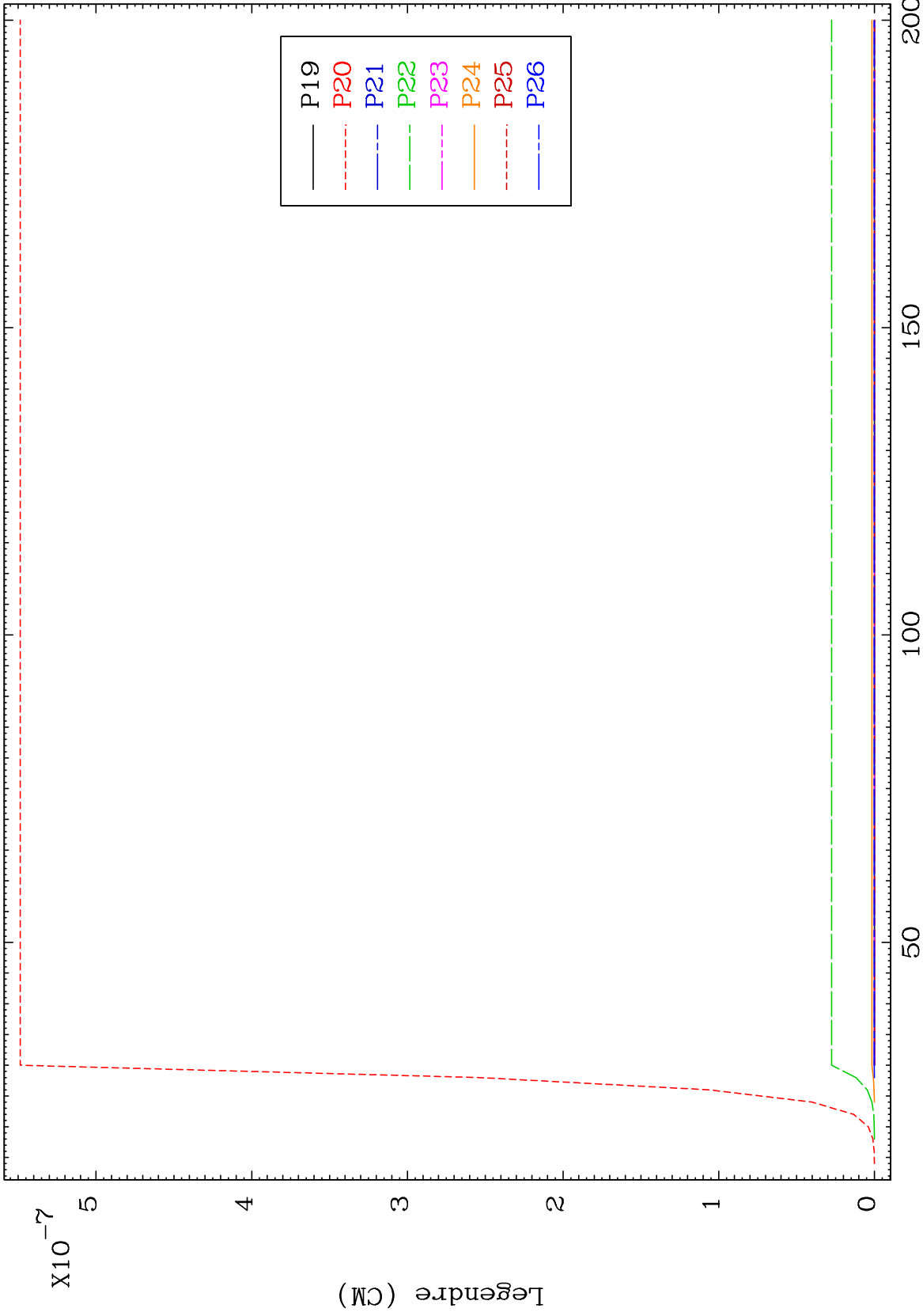
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



40

50

100

150

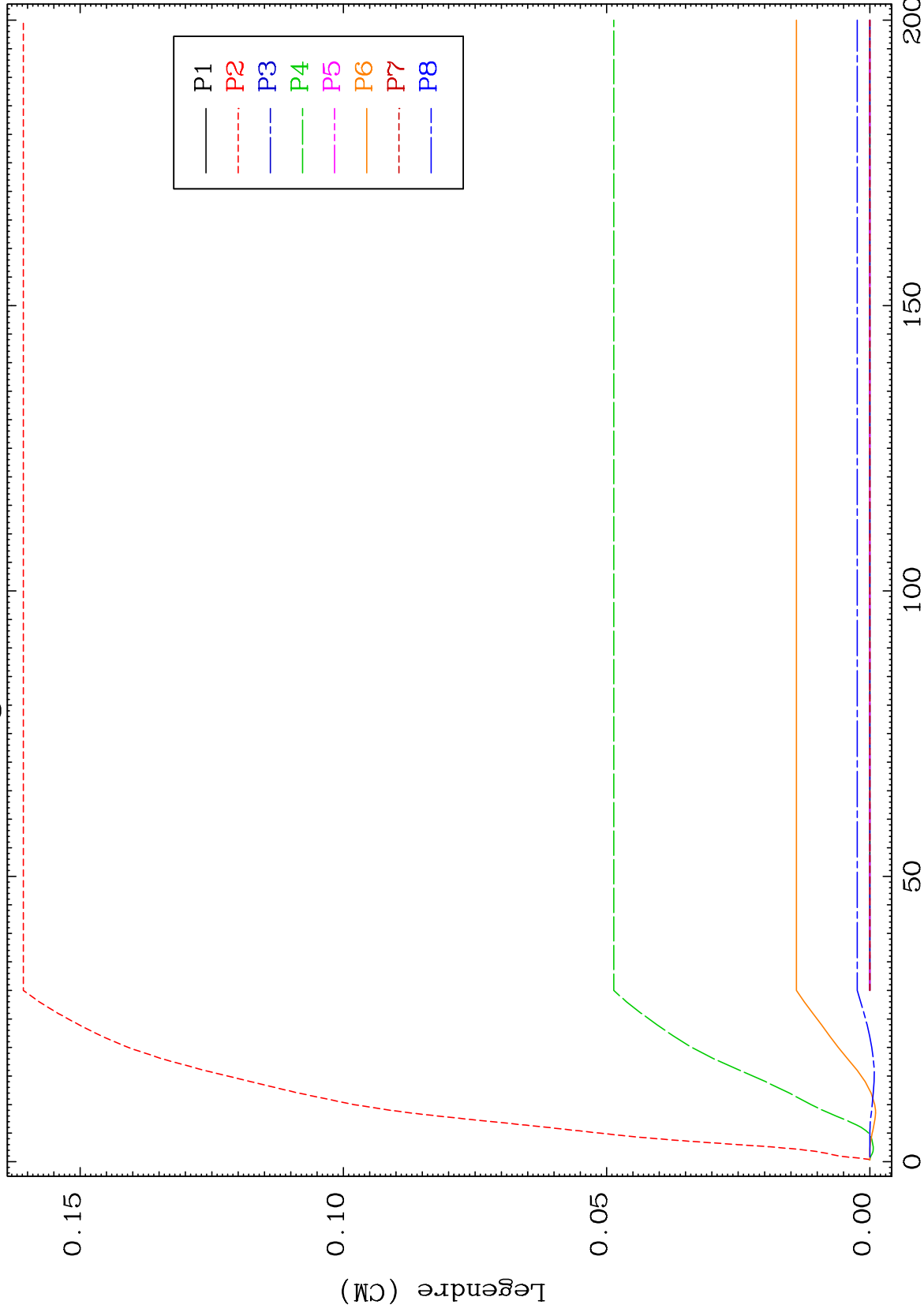
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57-La-132

MAT 5707

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

57-La-132



41

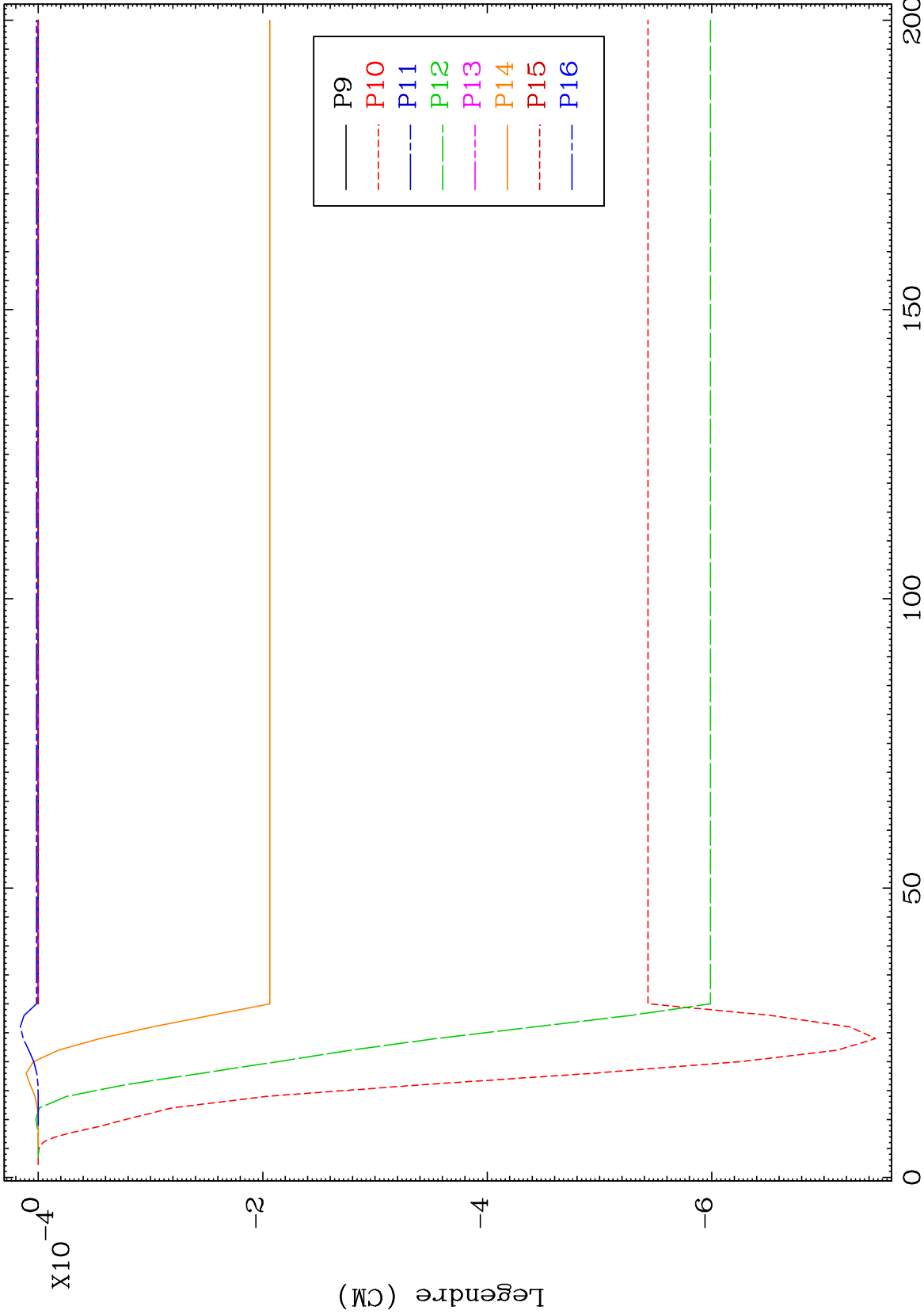
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



42

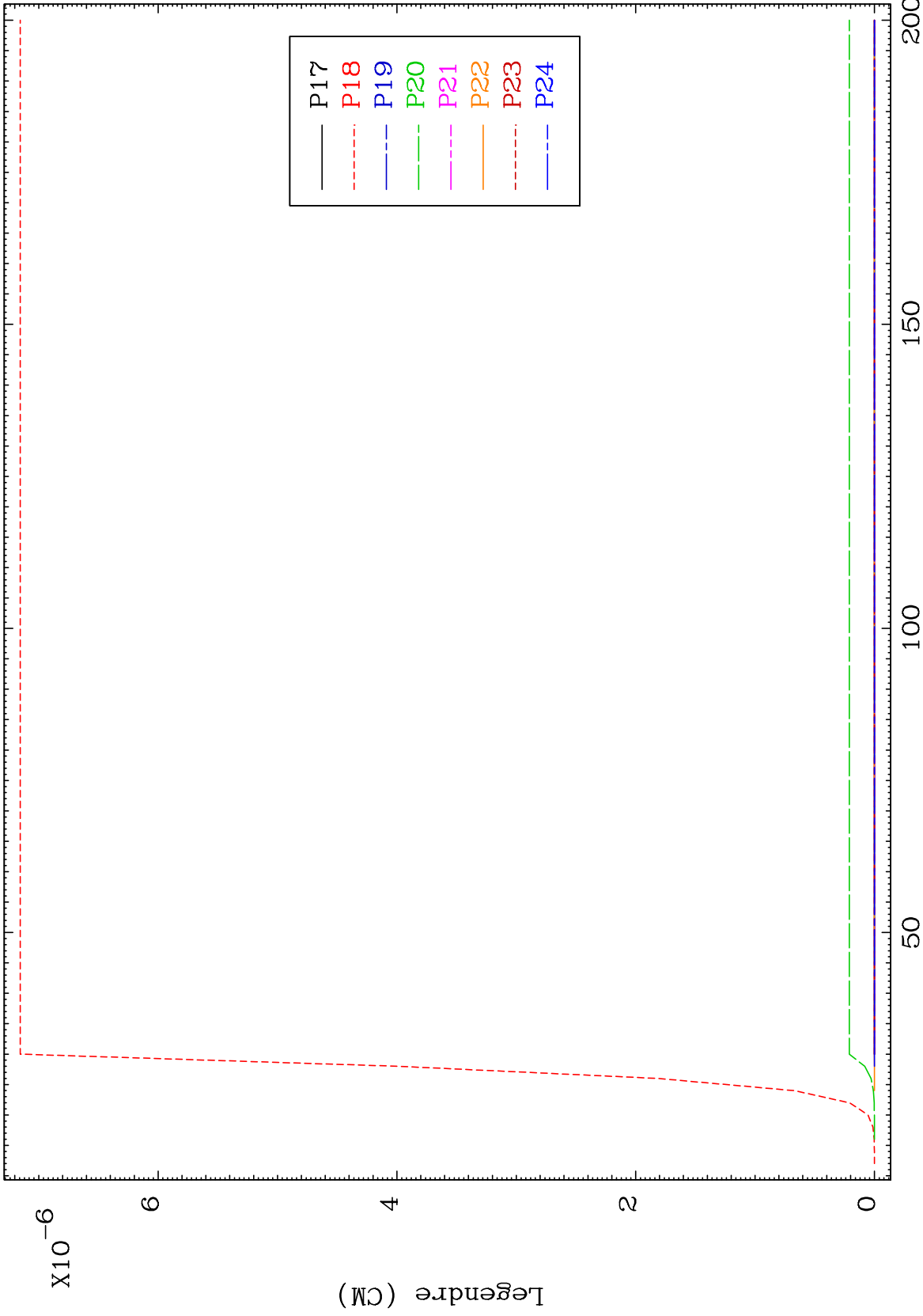
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



43

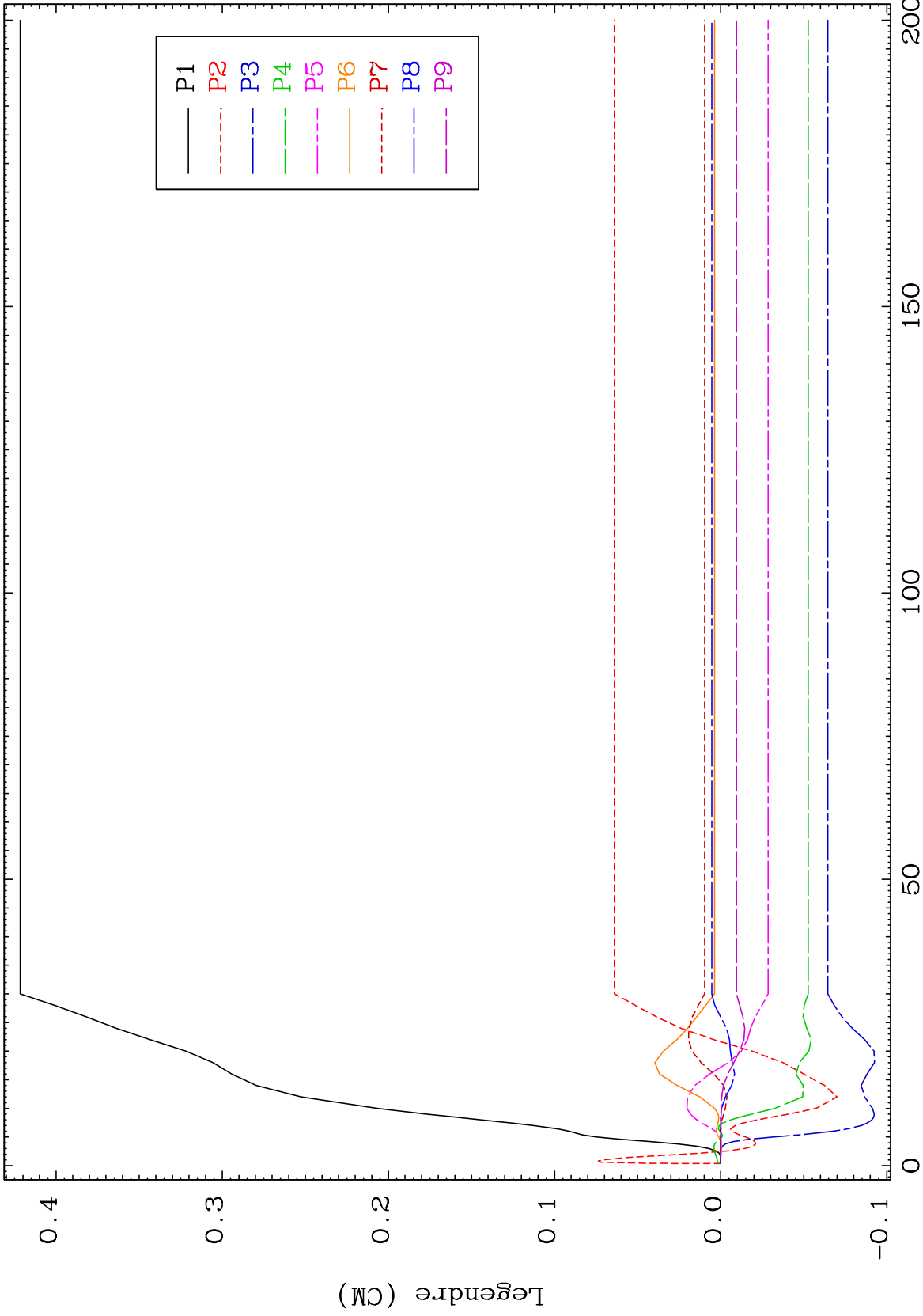
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



44

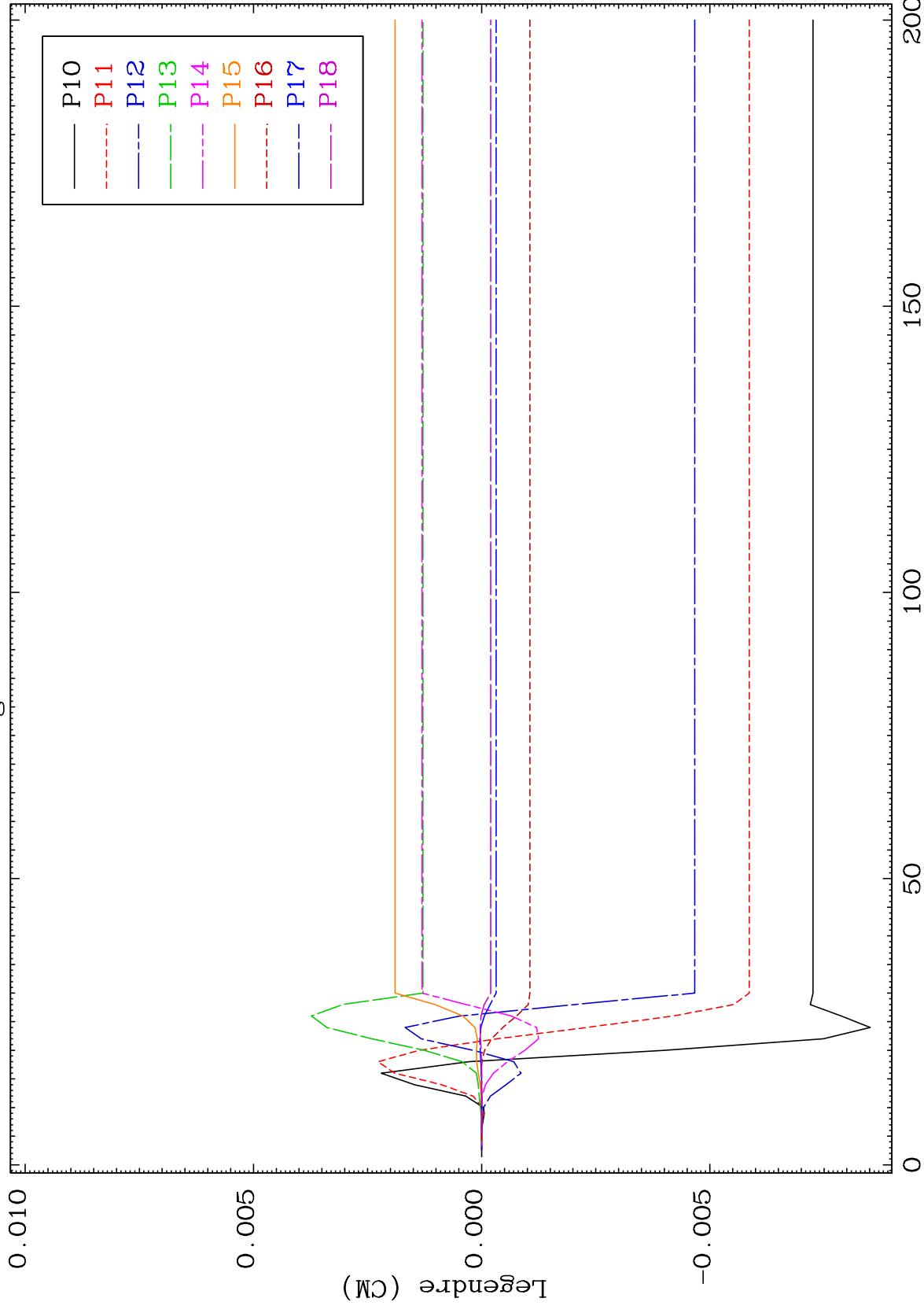
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



45

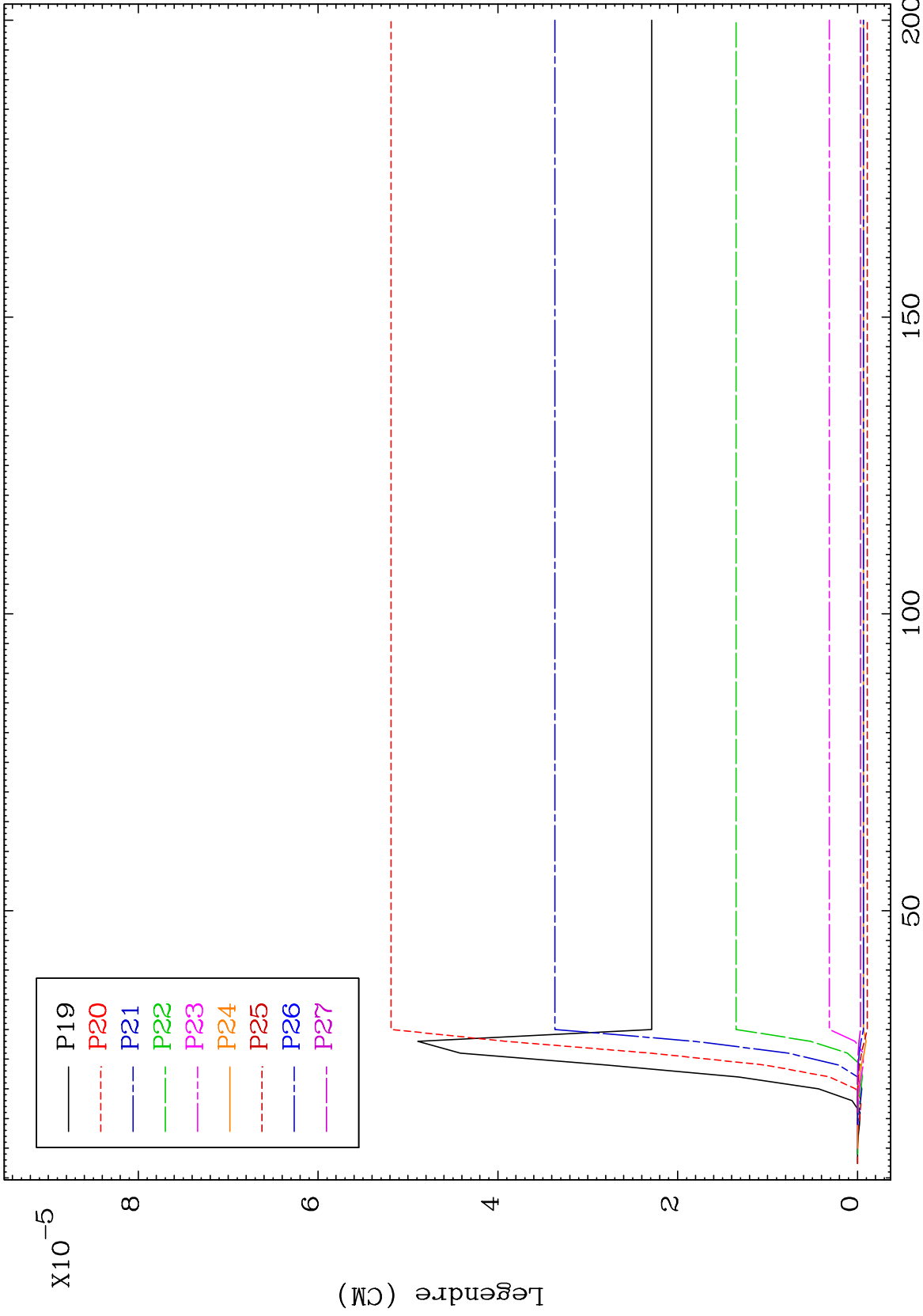
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



46

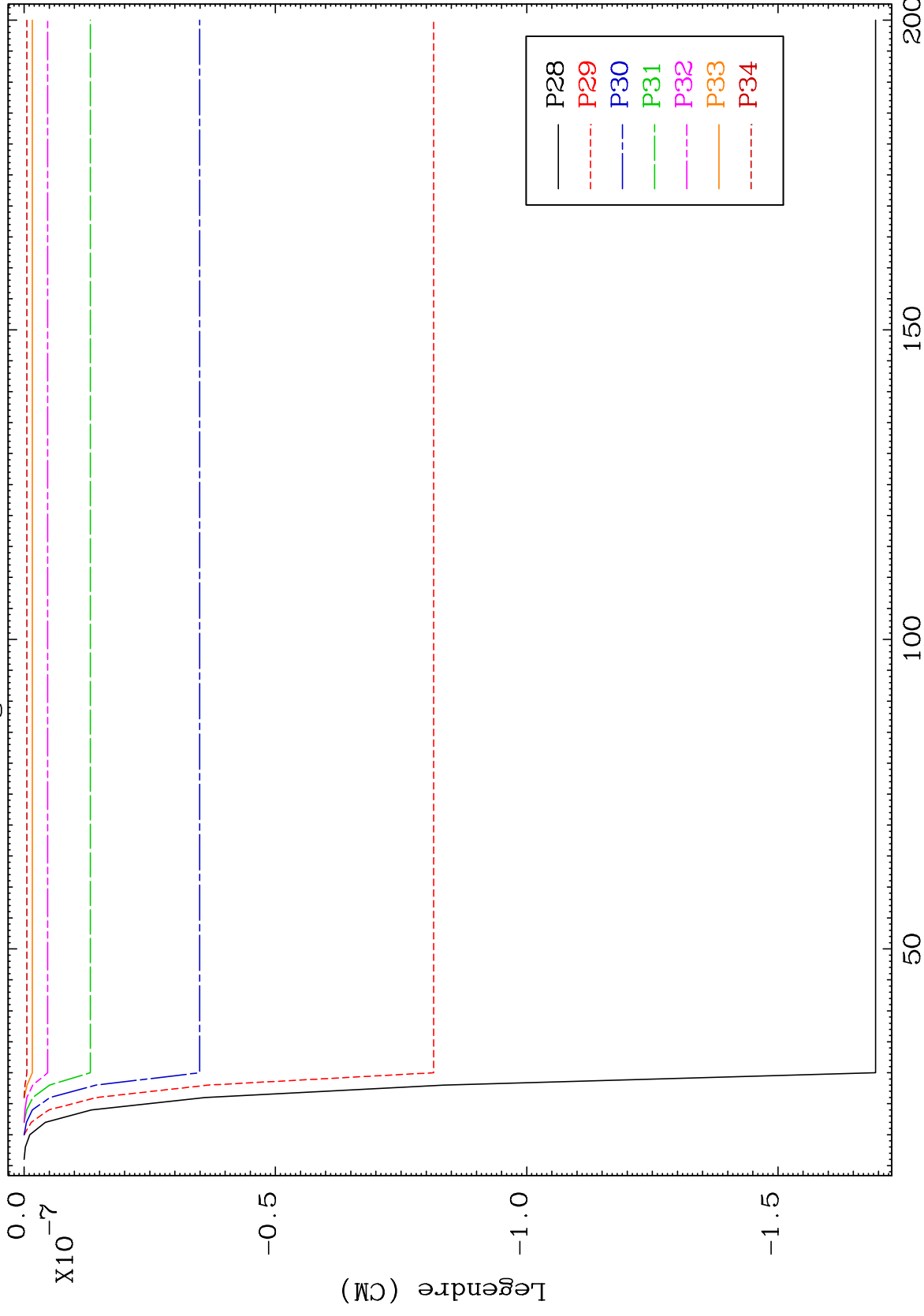
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



57-La-132

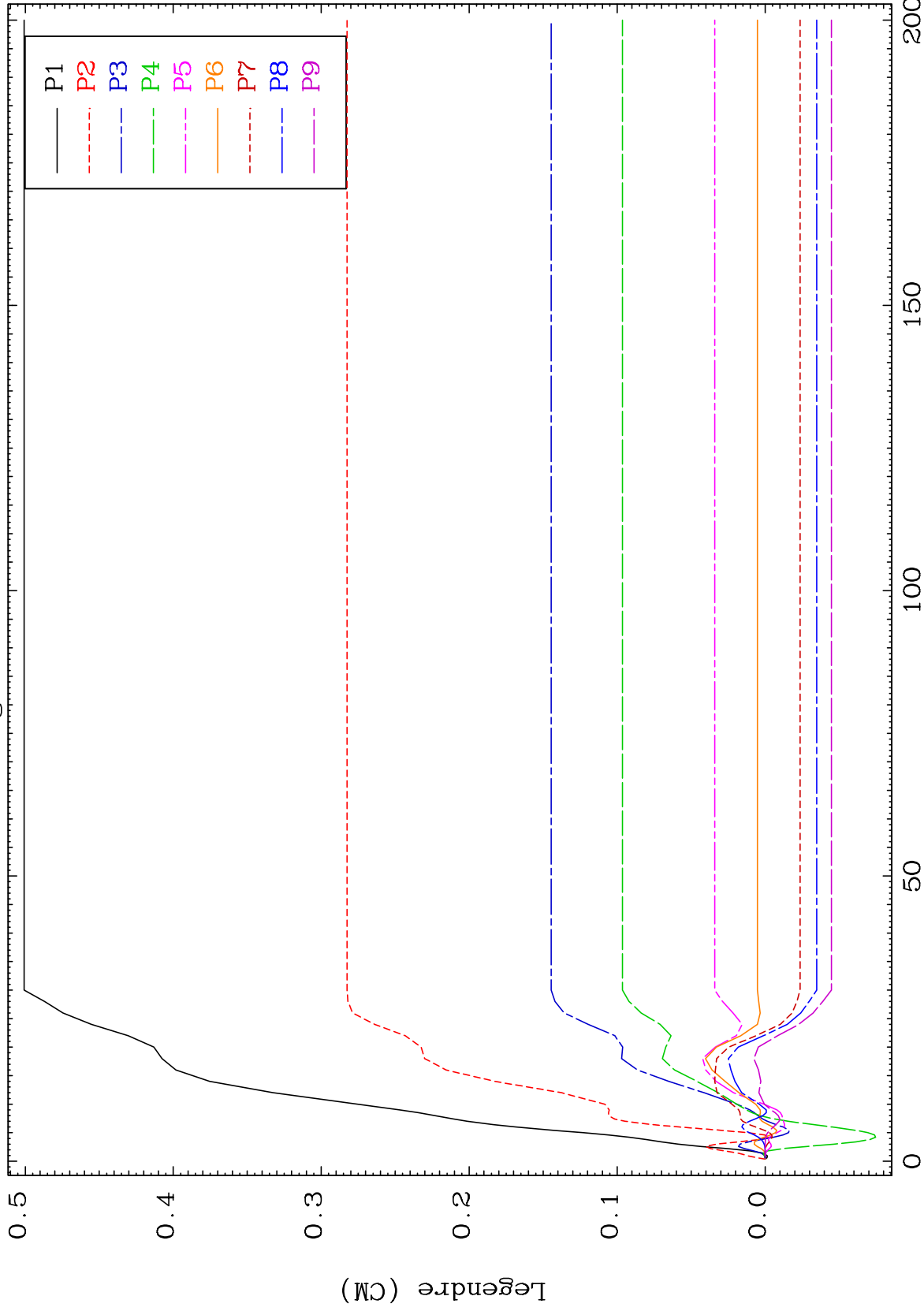
Incident Energy (MeV)

47

MAT 5707

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

57-La-132



48

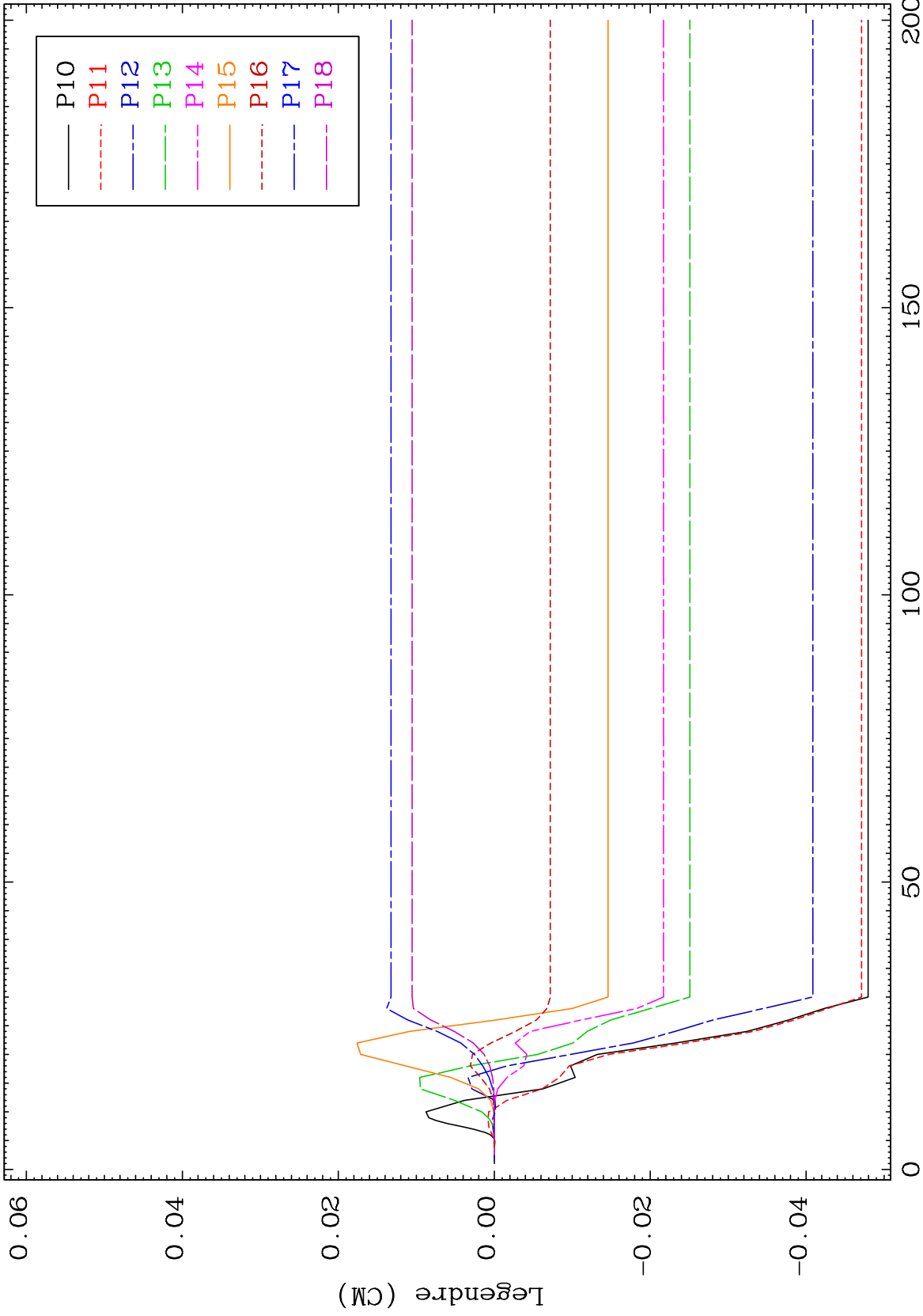
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



49

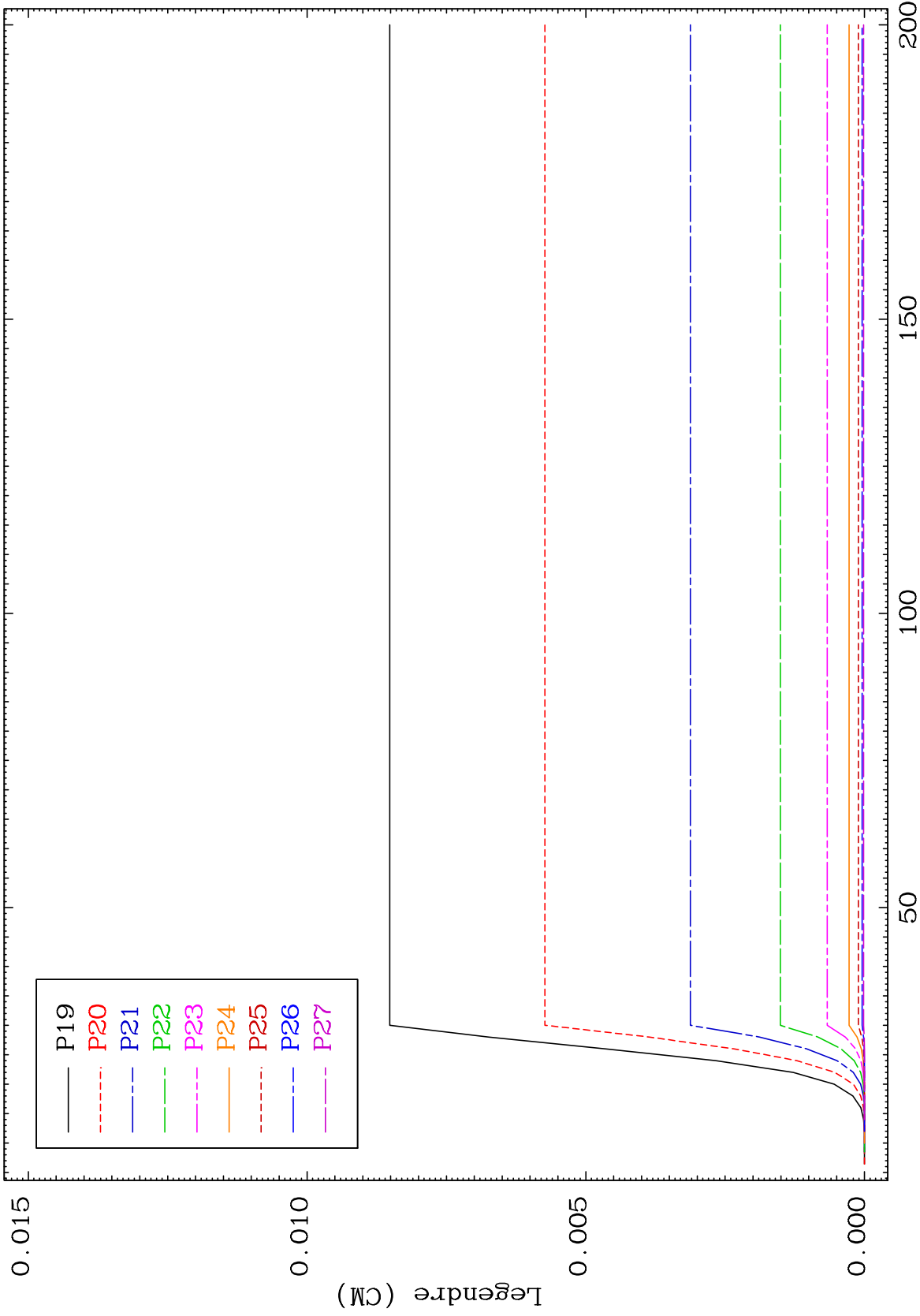
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



57-La-132

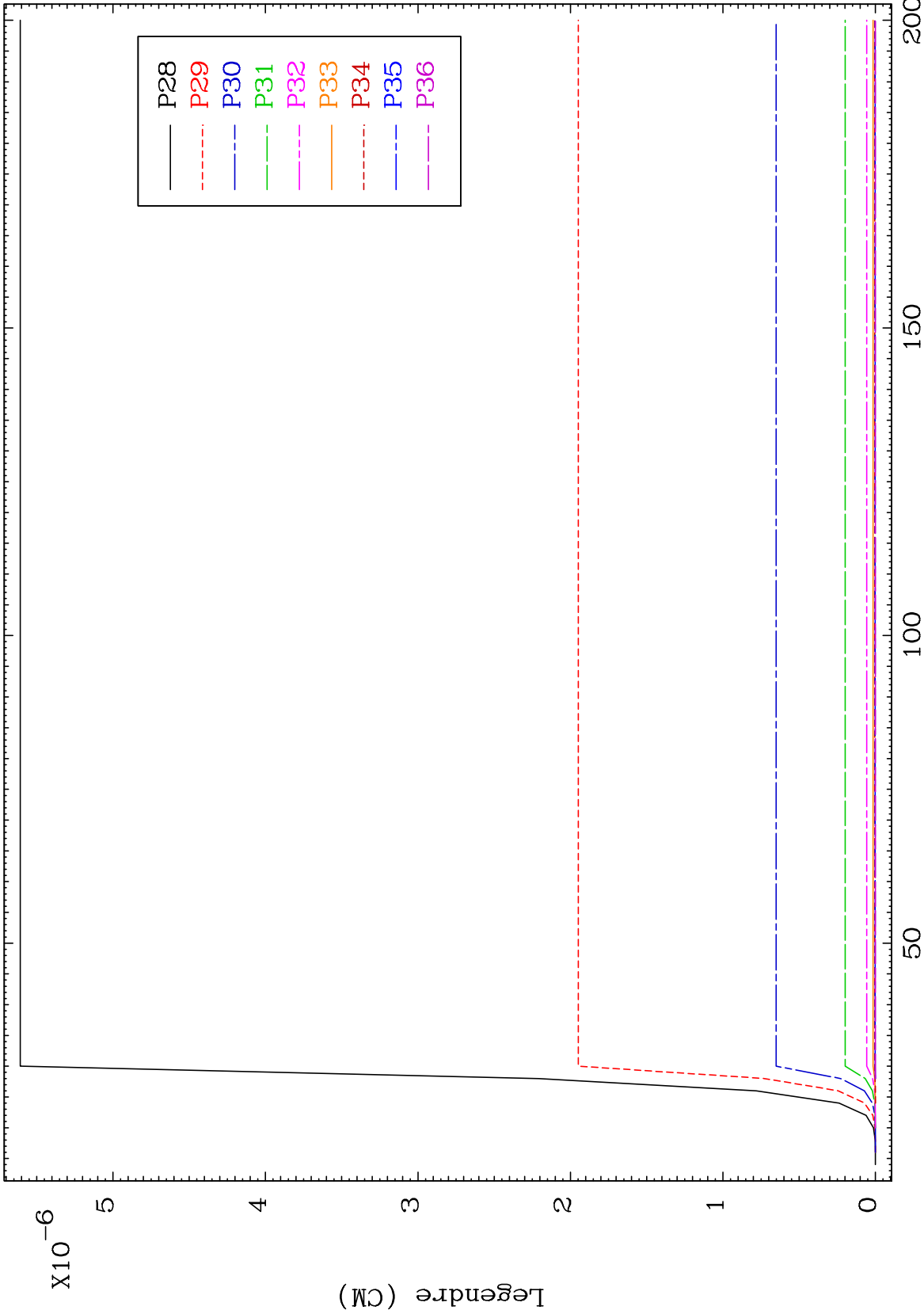
Incident Energy (MeV)

50

MAT 5707

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

57-La-132



51

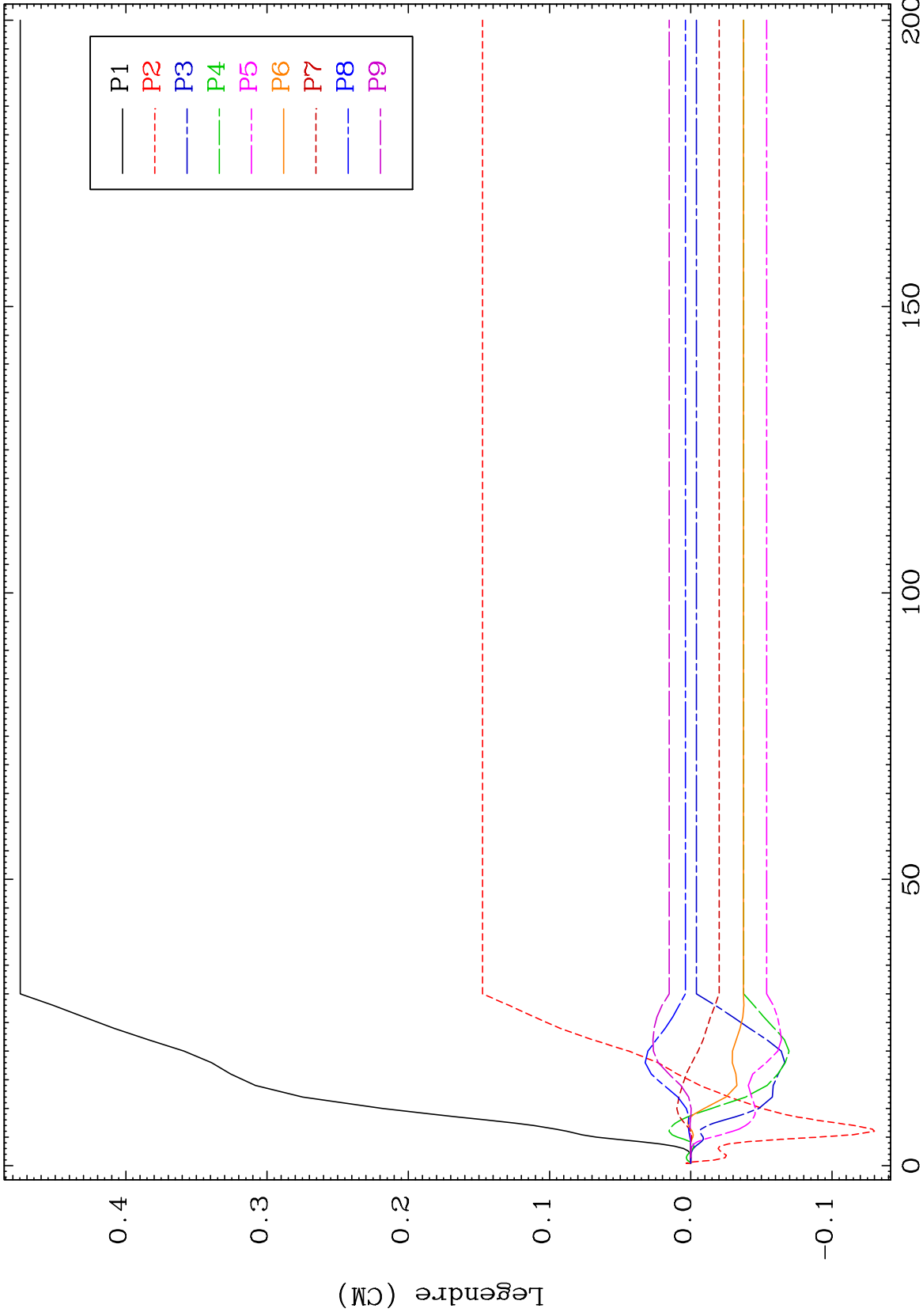
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



52

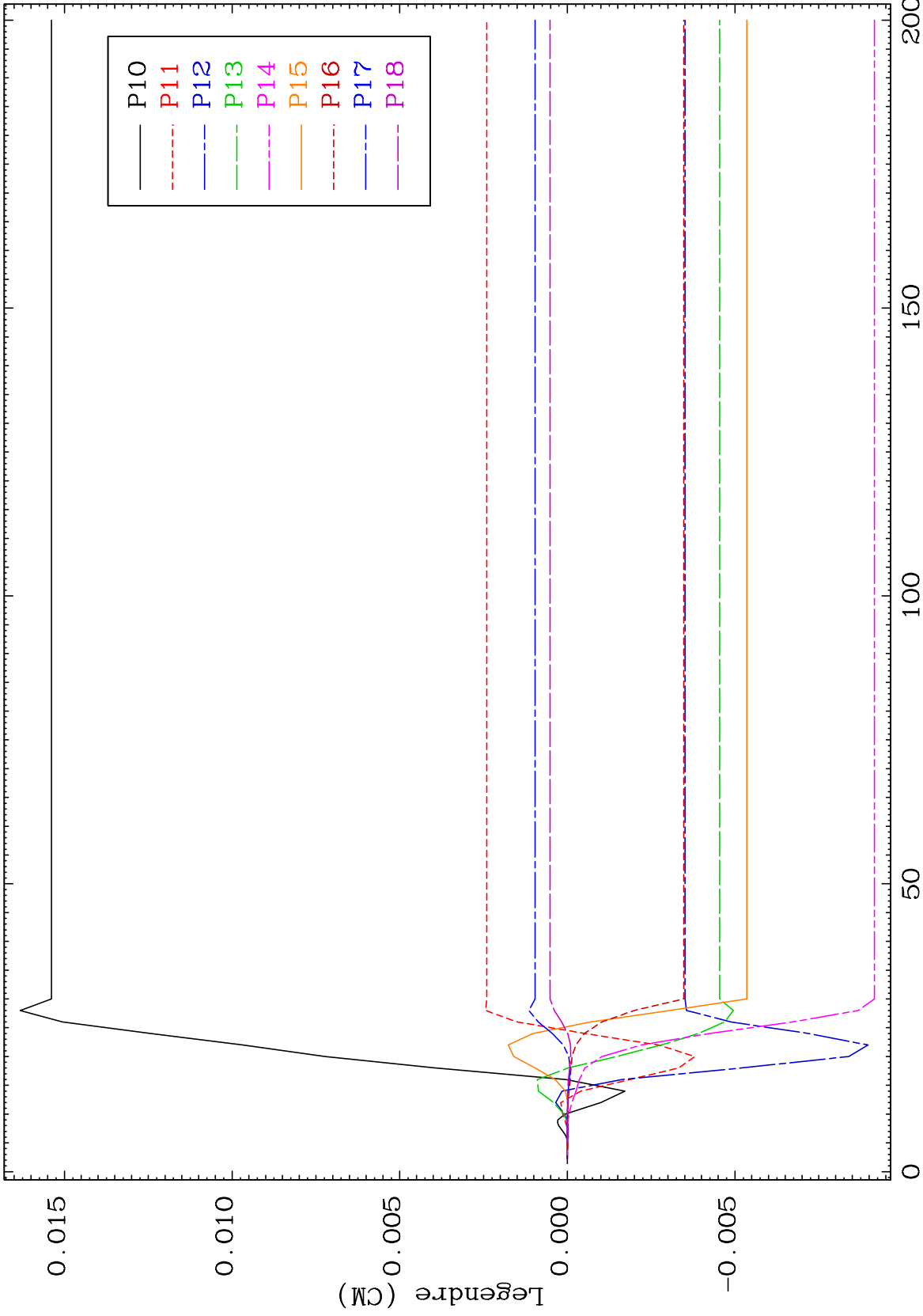
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



53

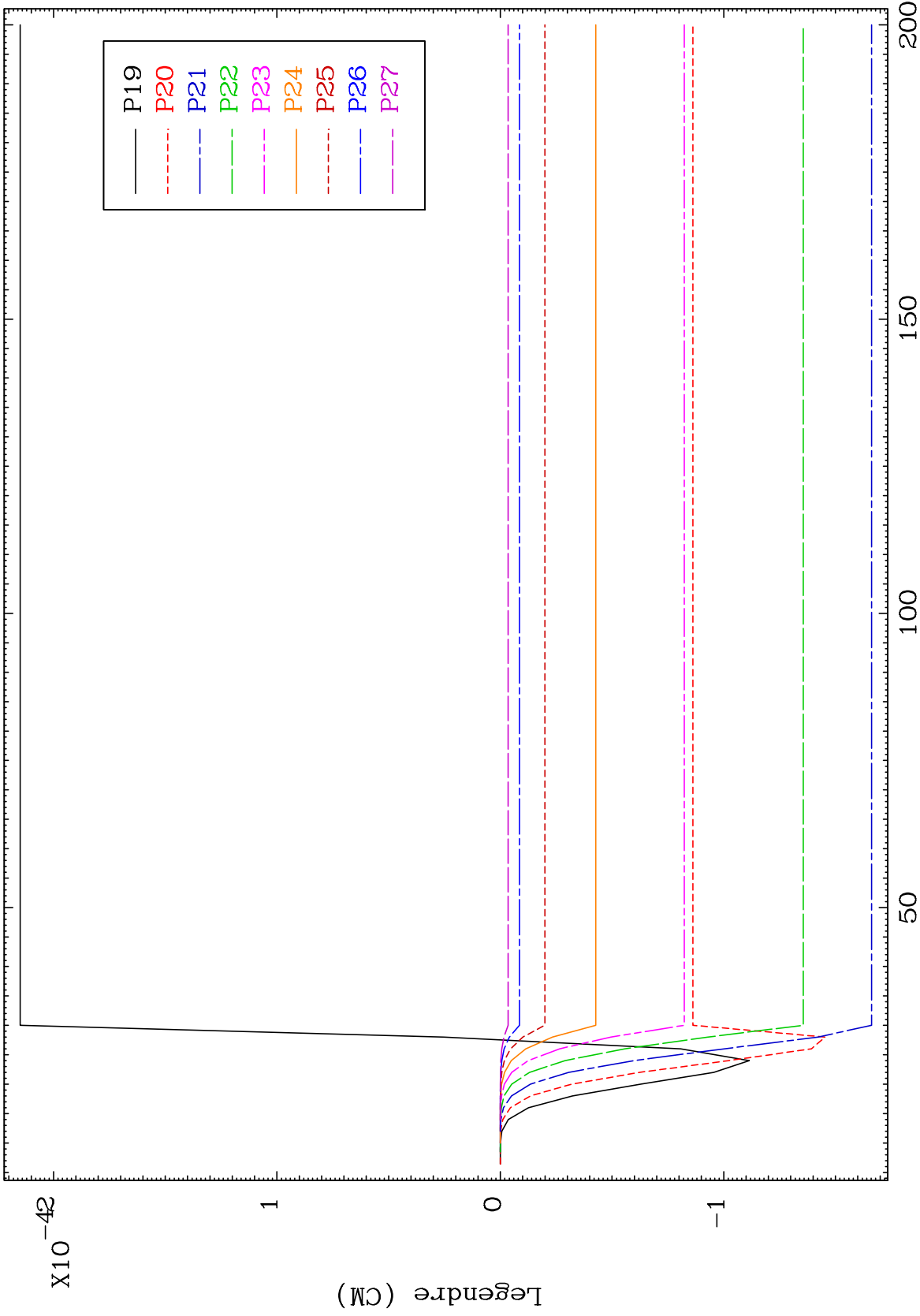
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



54

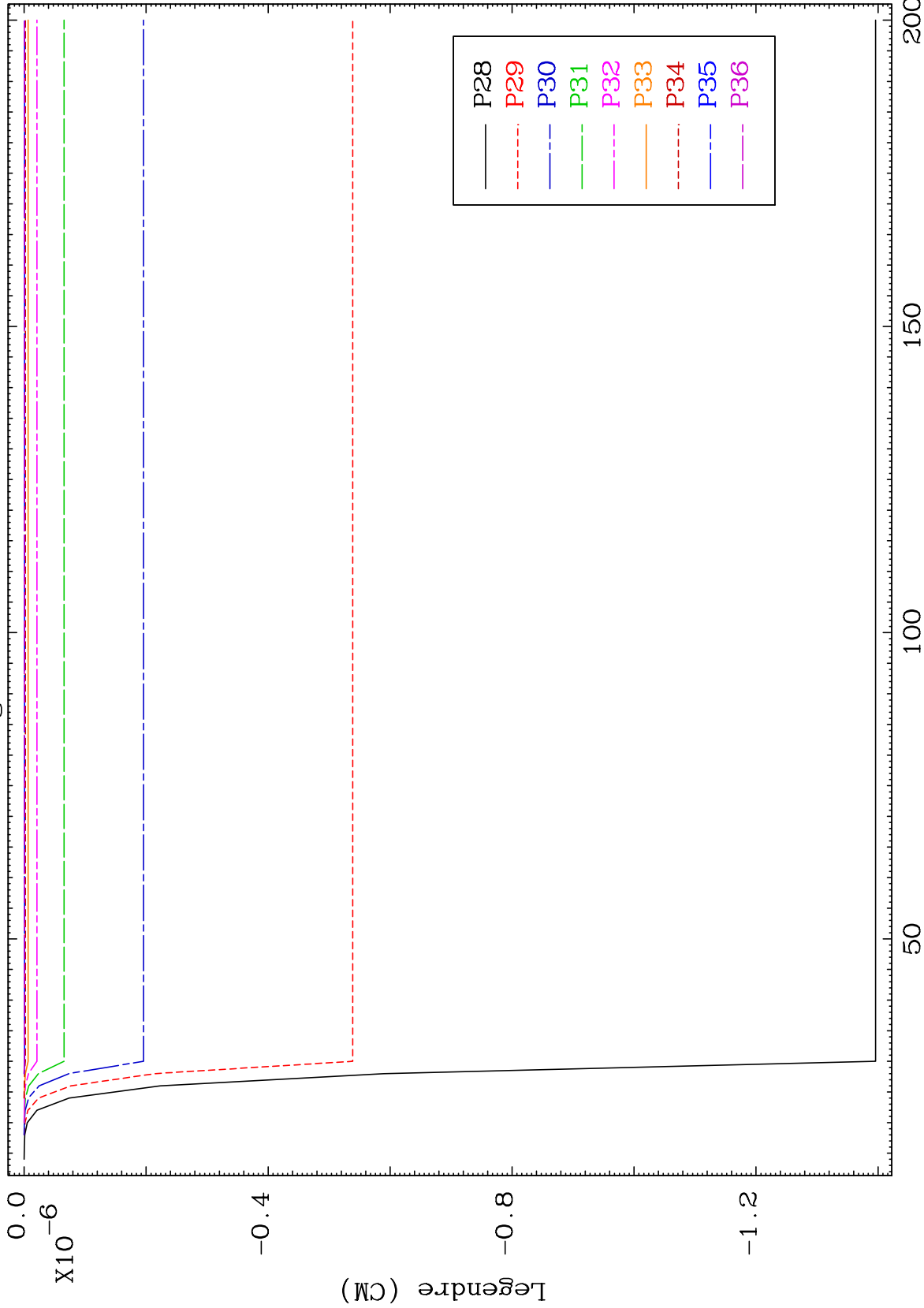
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



55

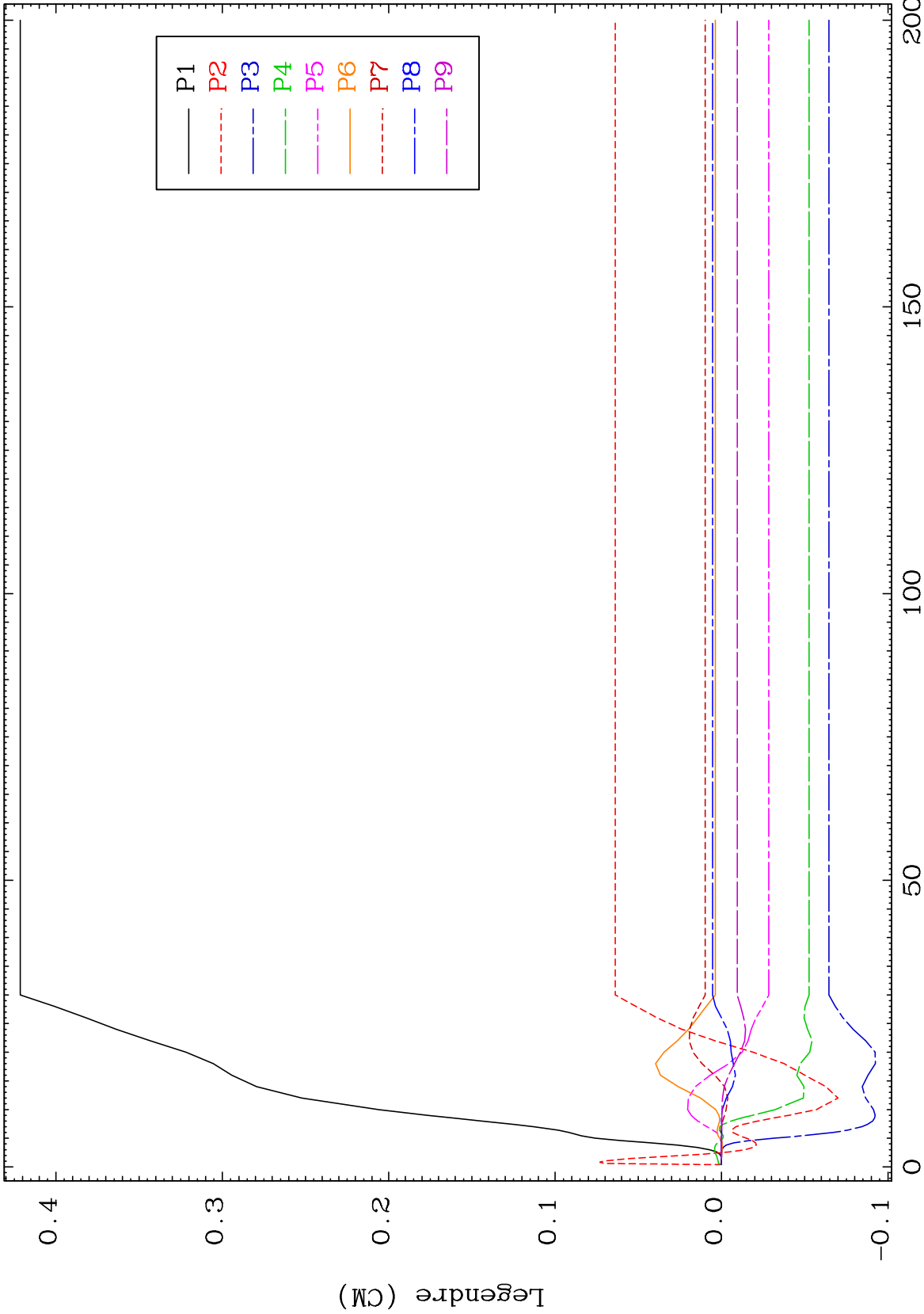
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



56

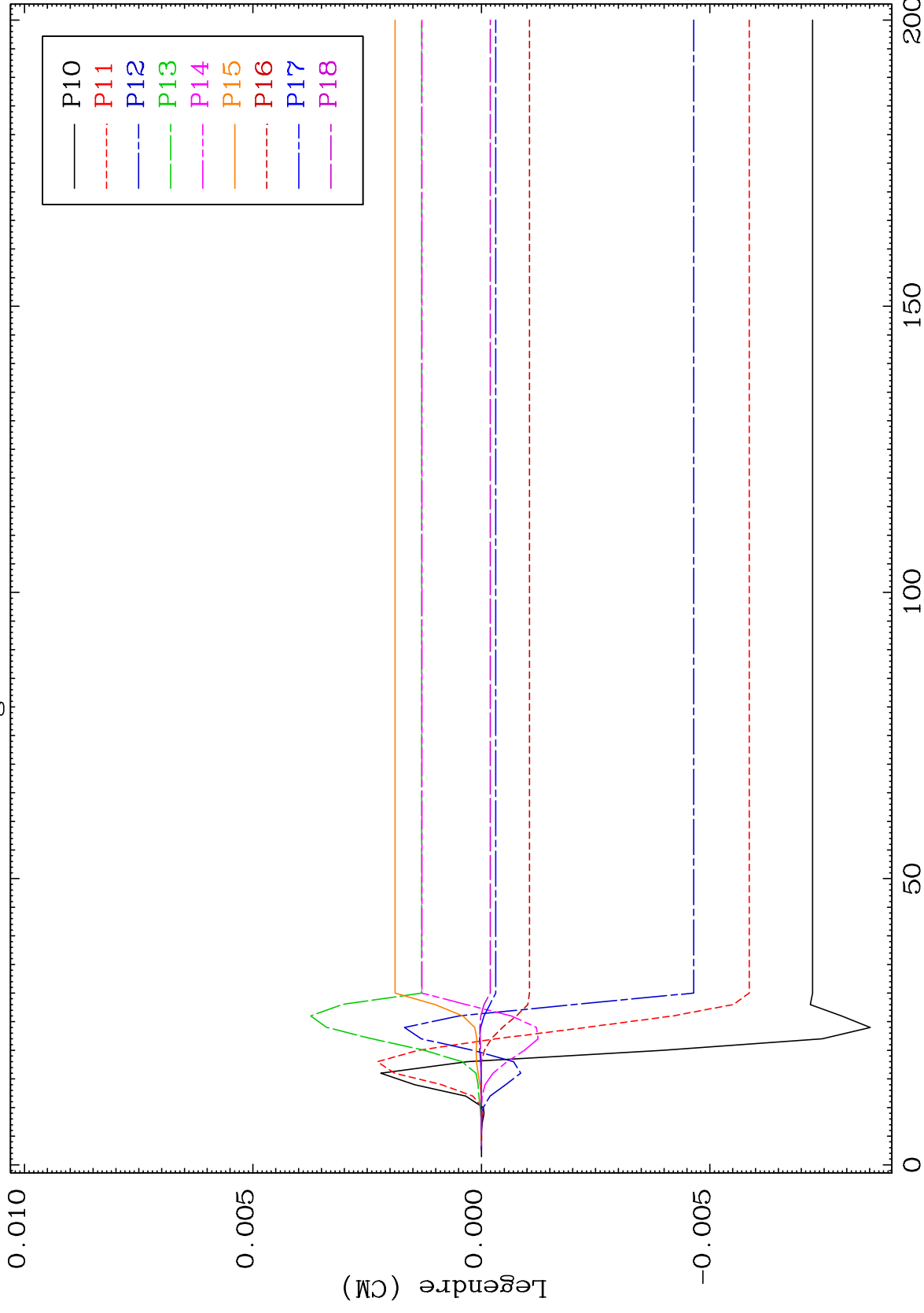
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



57

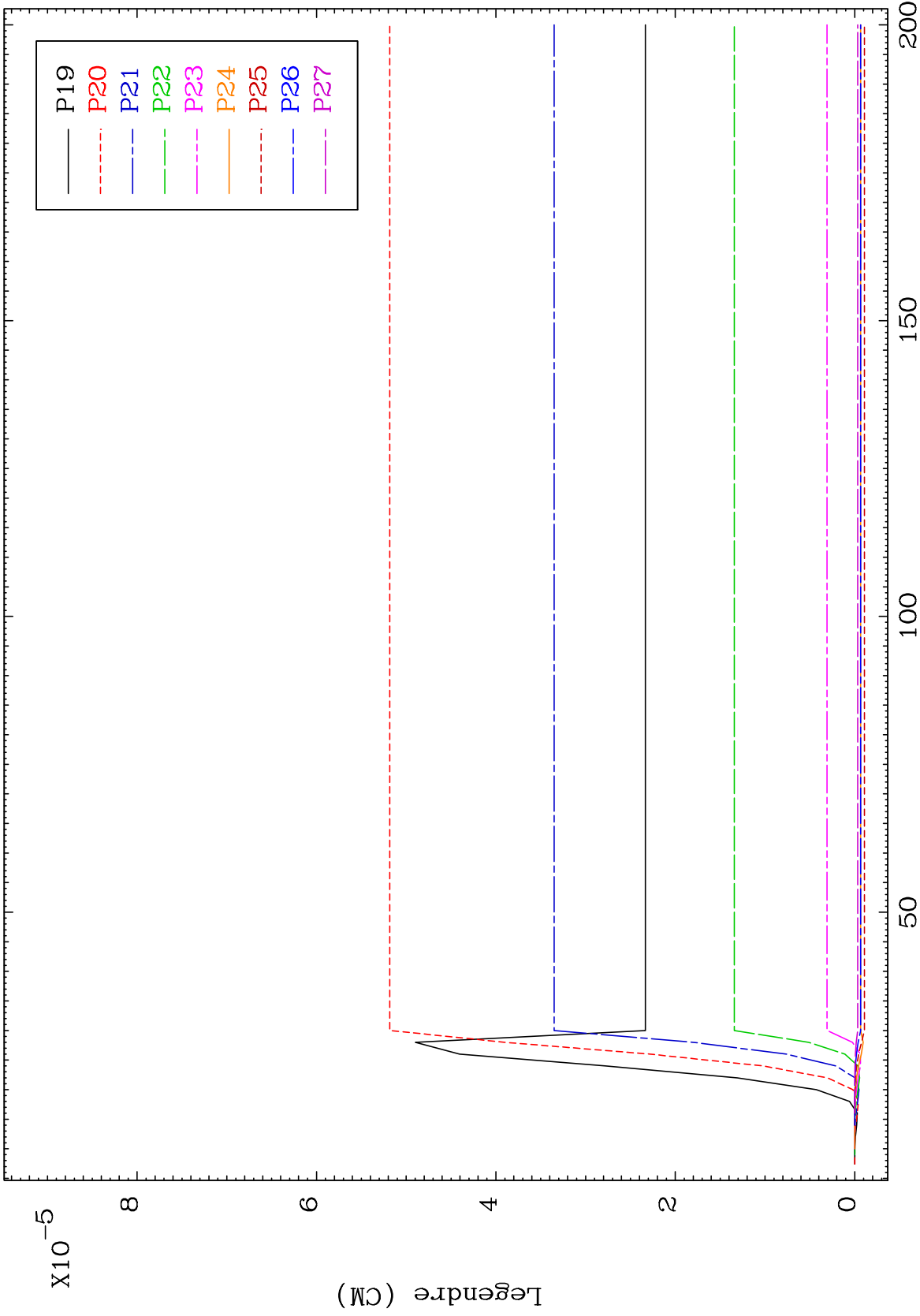
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



58

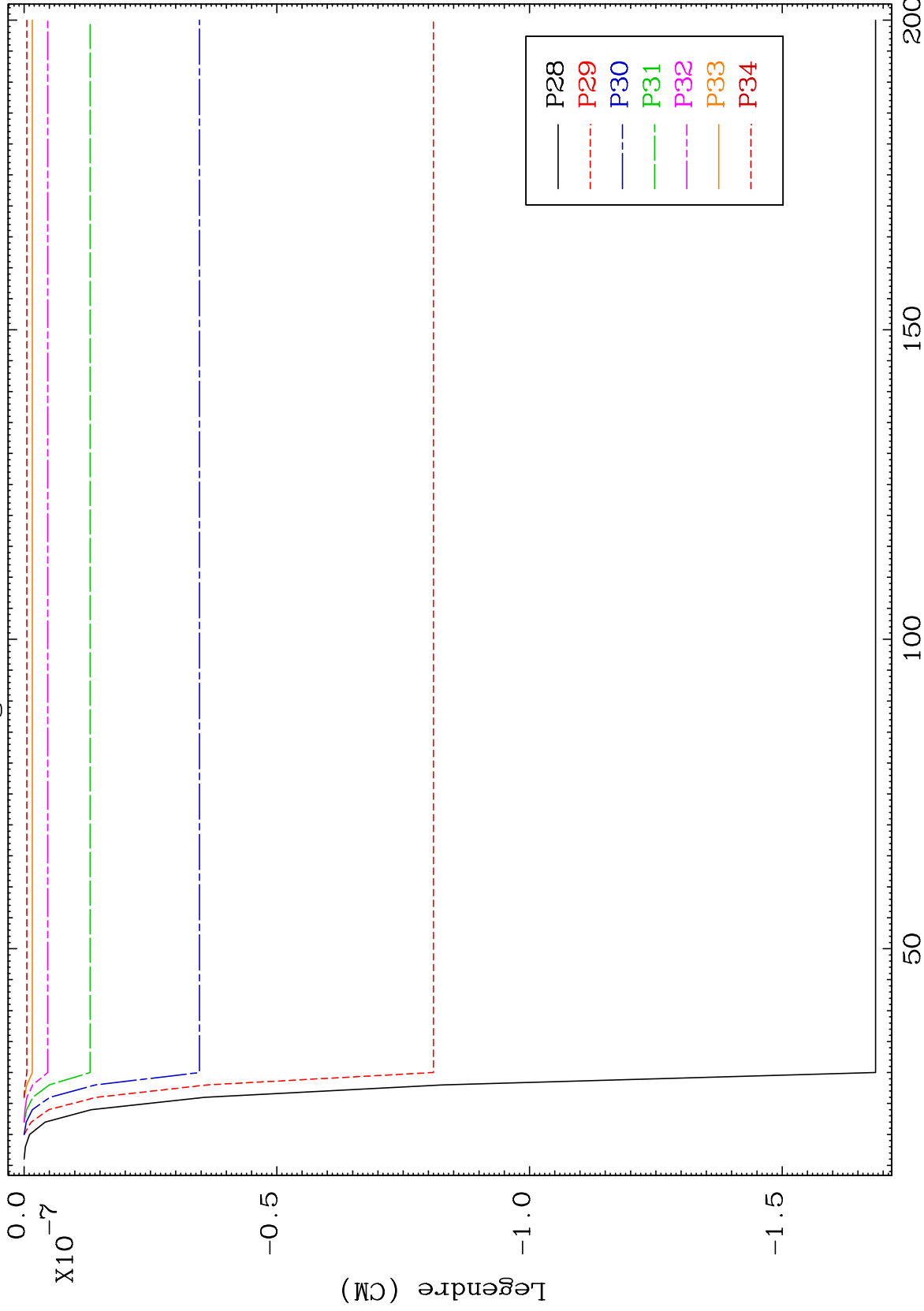
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



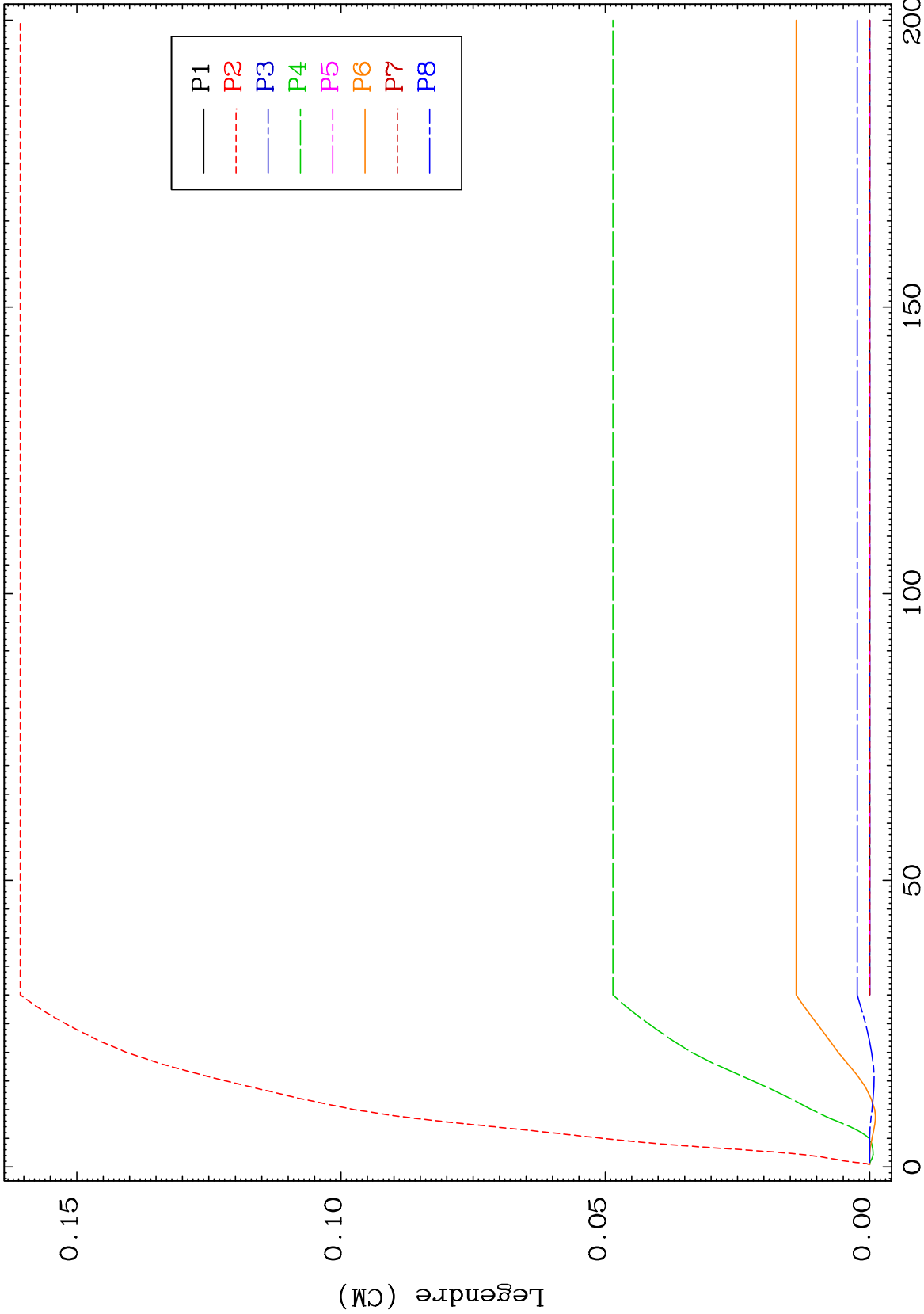
57-La-132

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MAT 5707

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

57-La-132



57-La-132

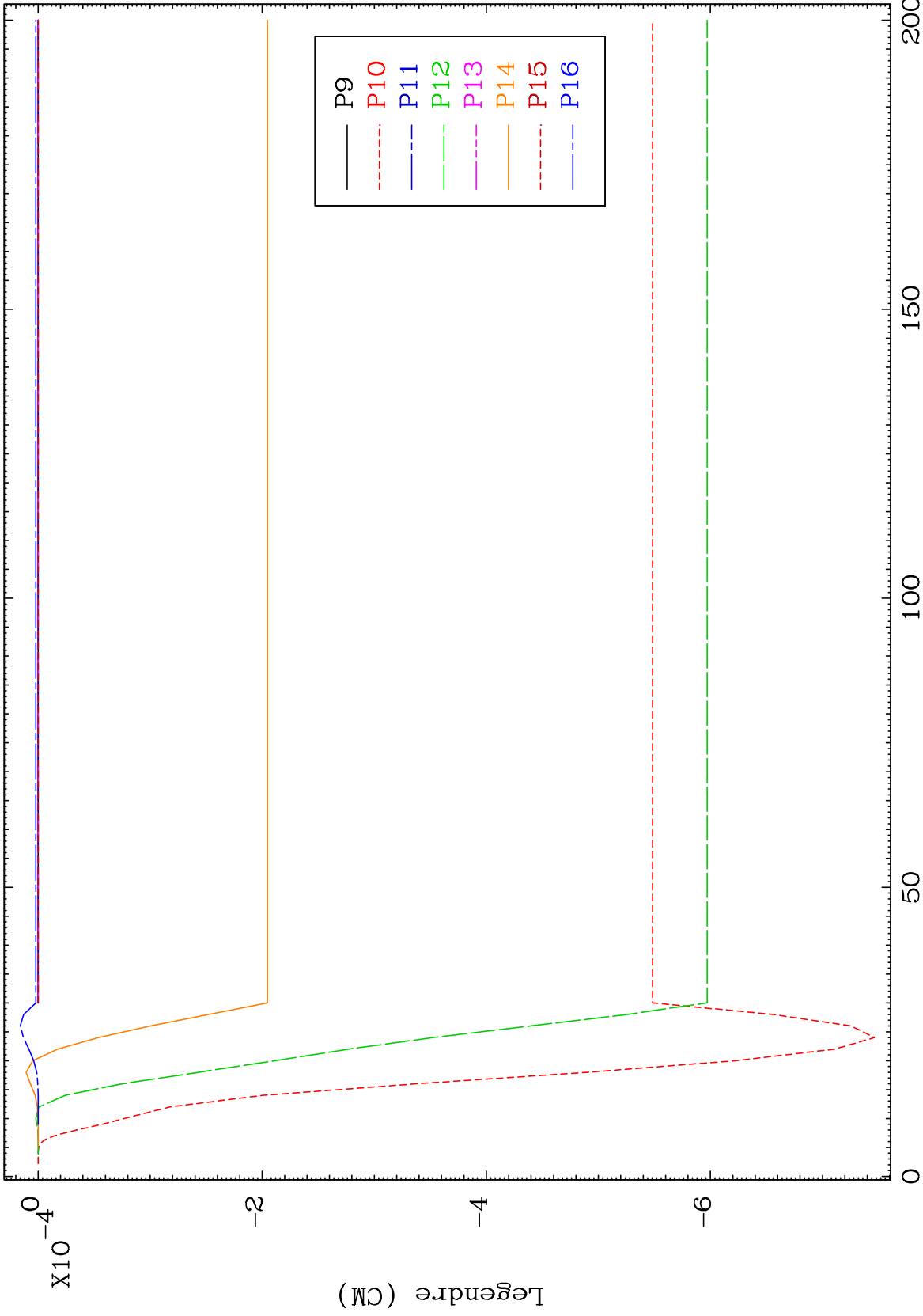
Incident Energy (MeV)

60

MAT 5707

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

57-La-132



61

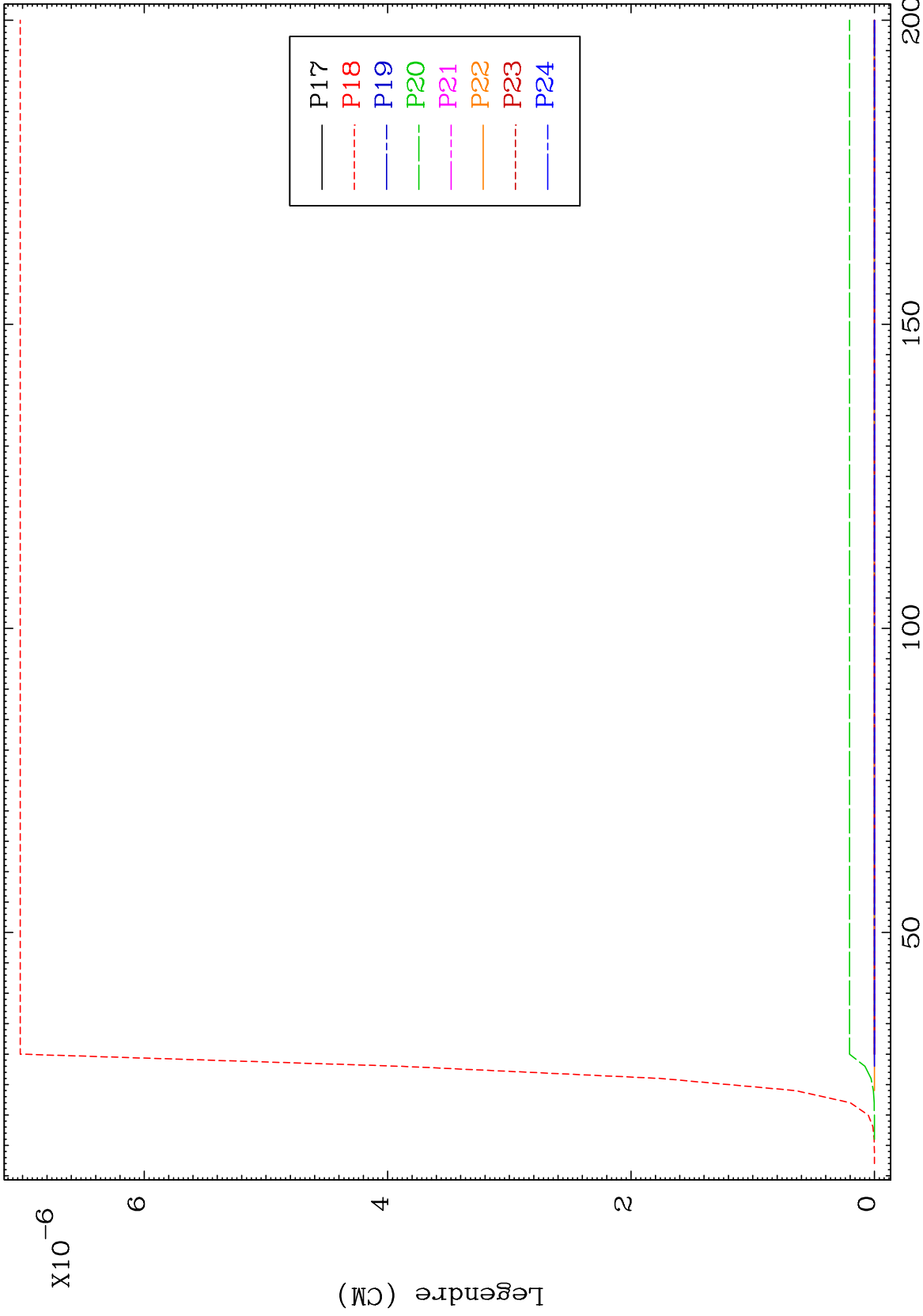
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



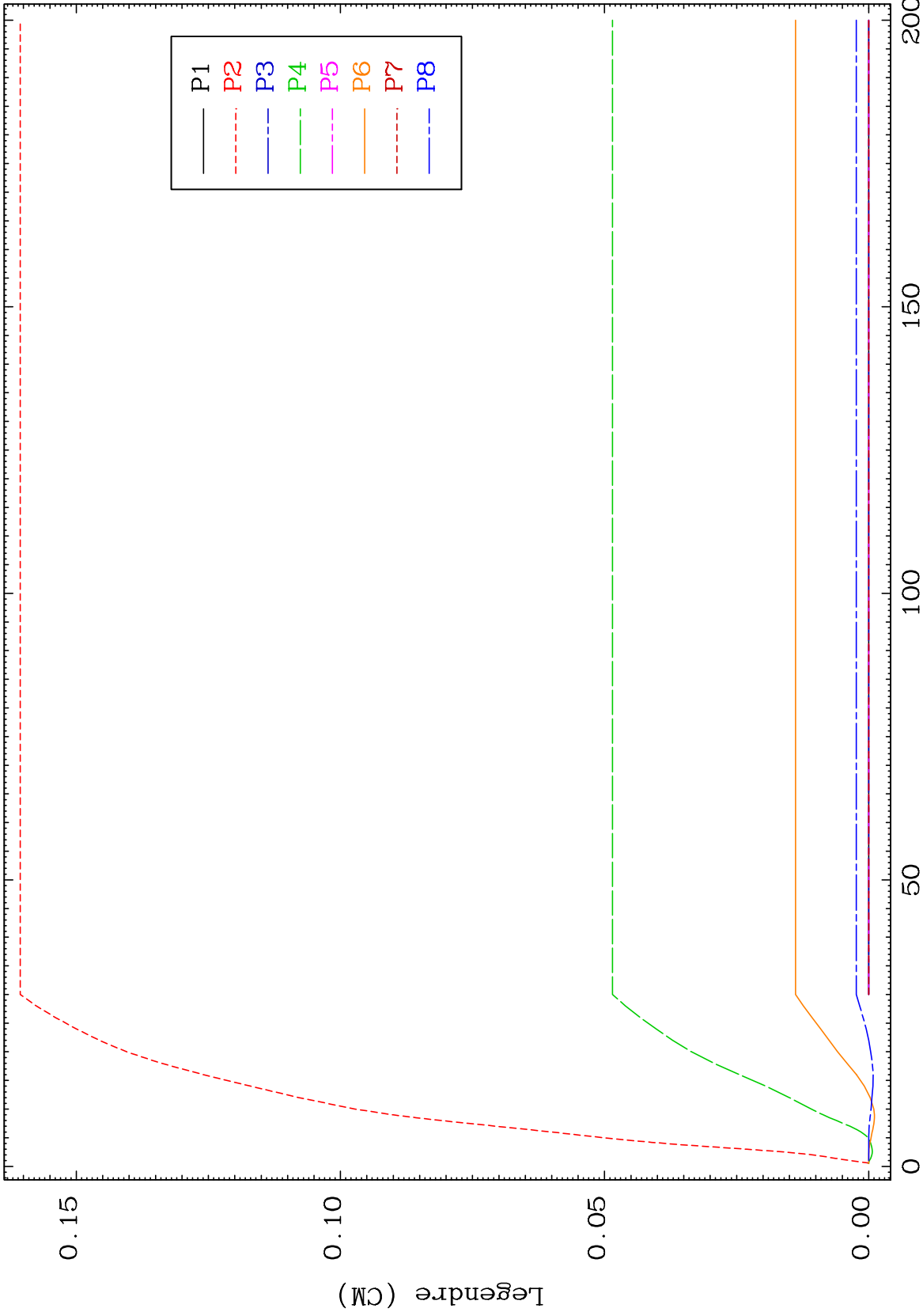
62

57-La-132

MAT 5707

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

57-La-132



63

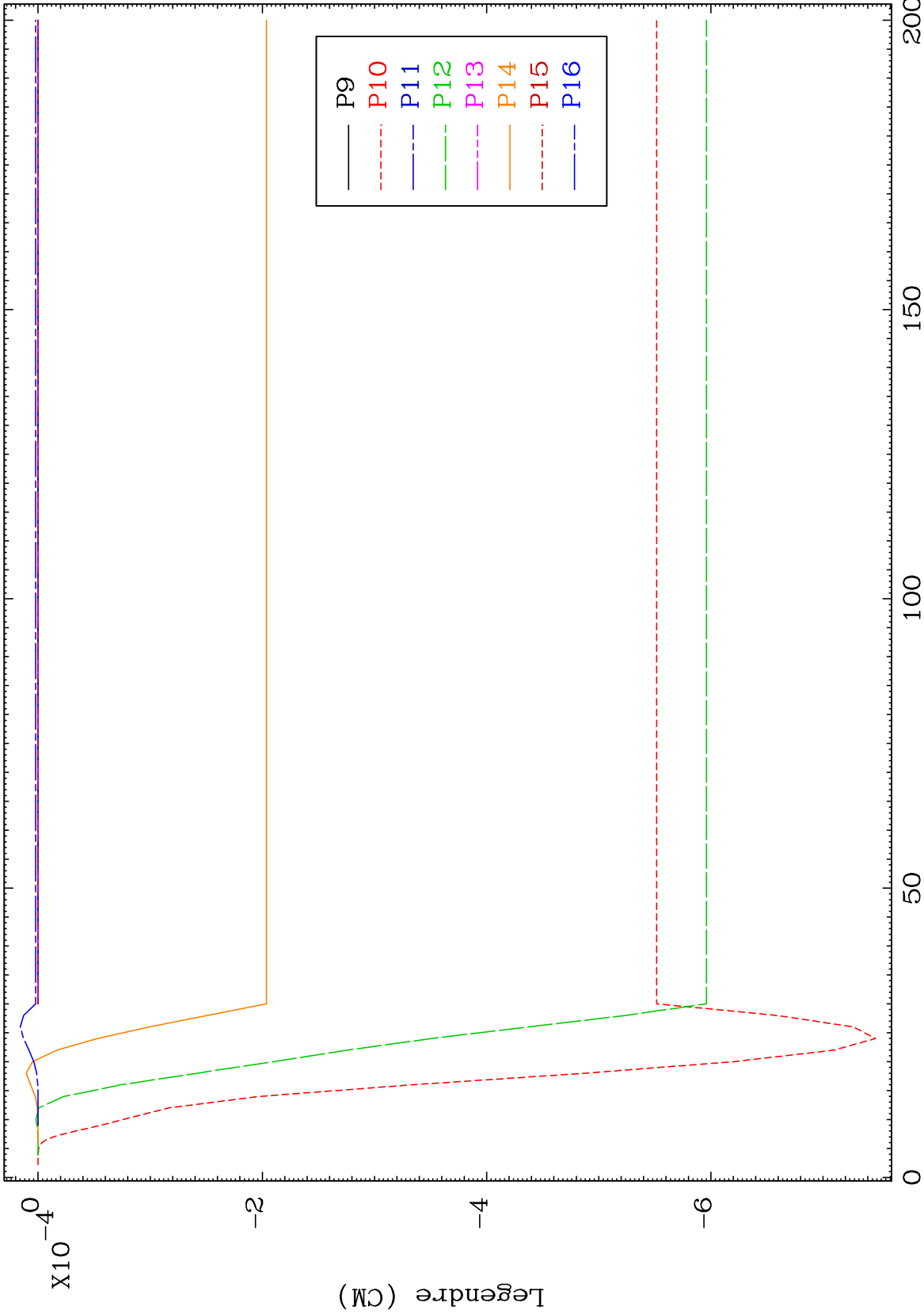
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



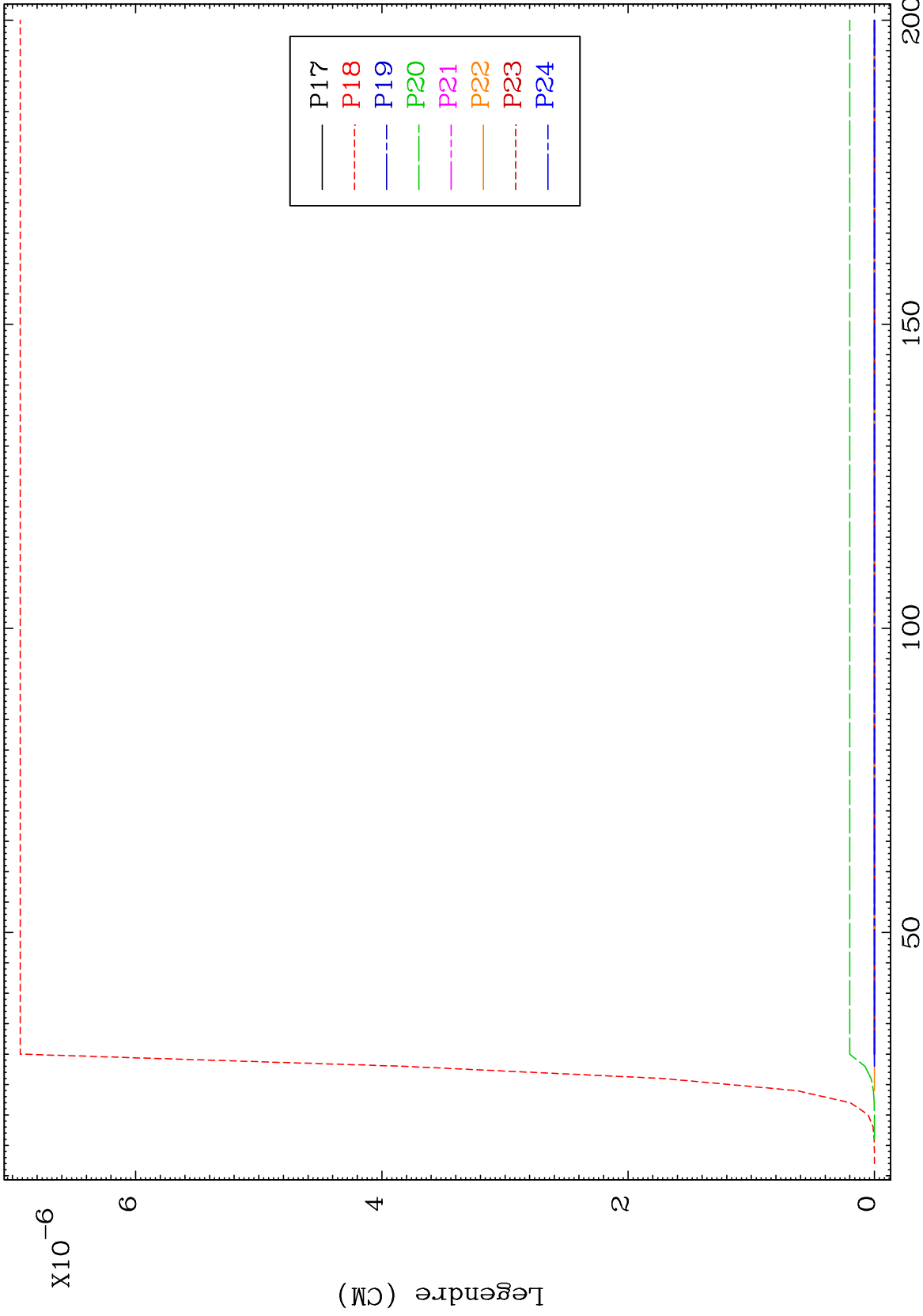
64

57-La-132

MAT 5707

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

57-La-132



65

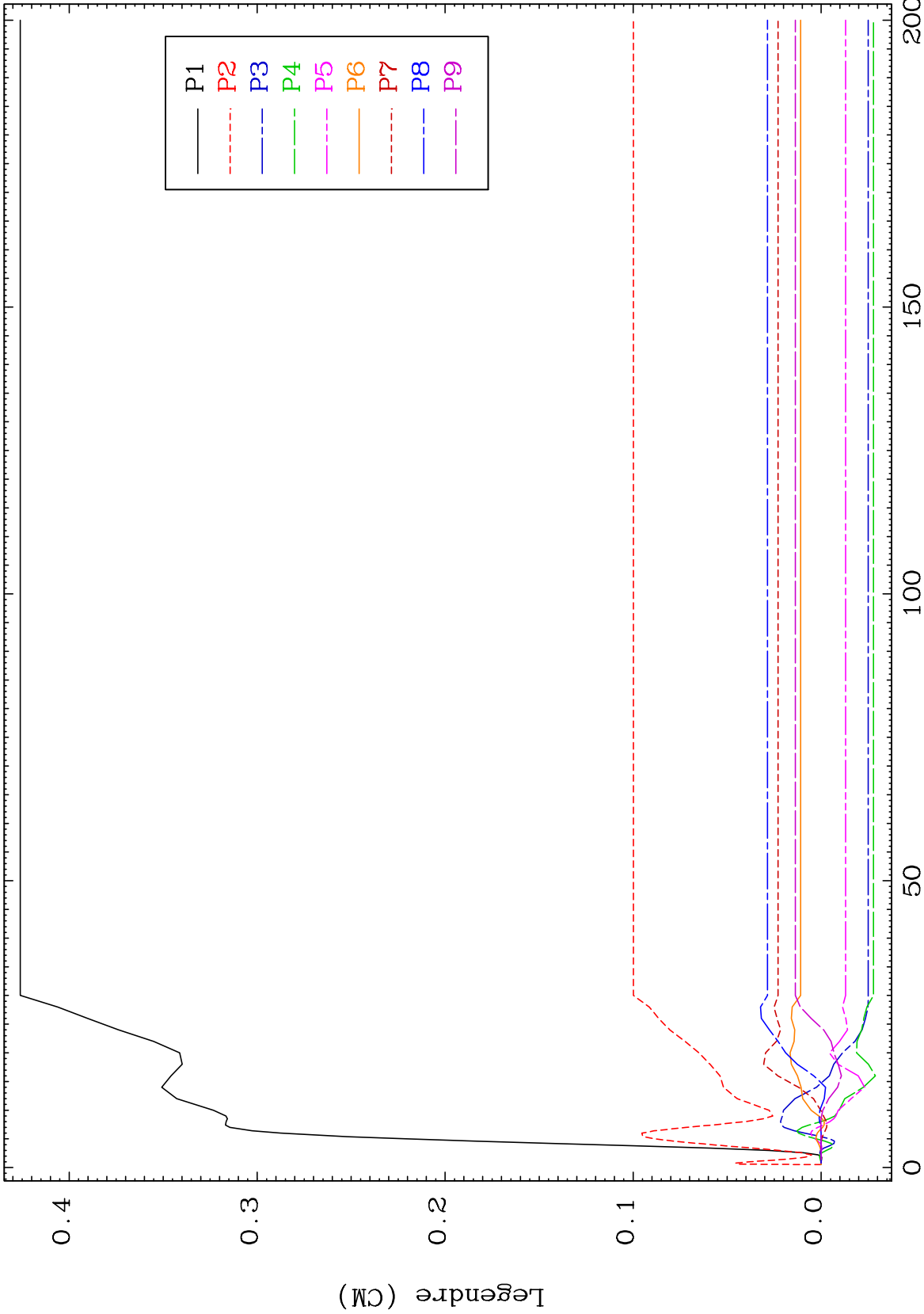
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



66

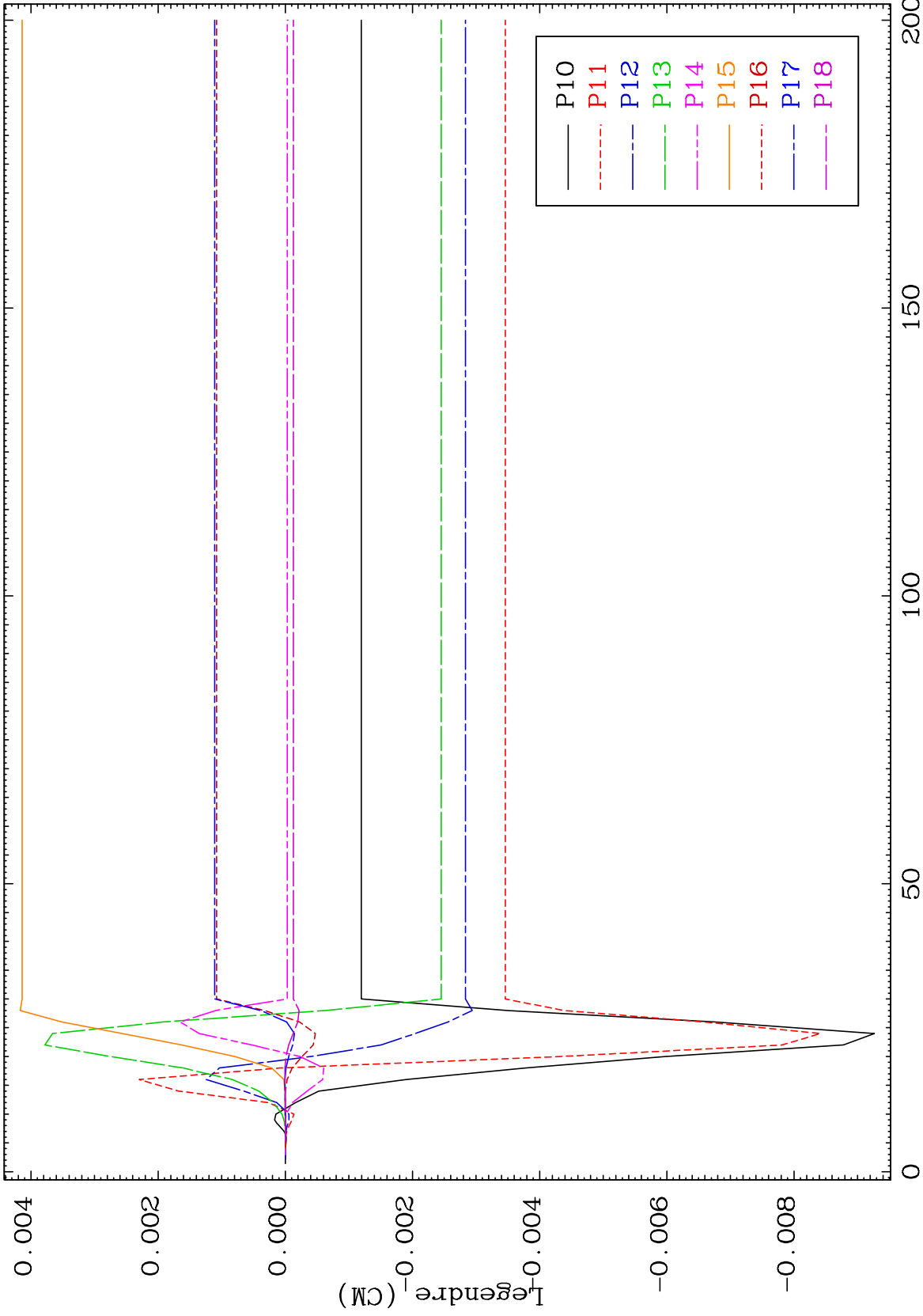
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



67

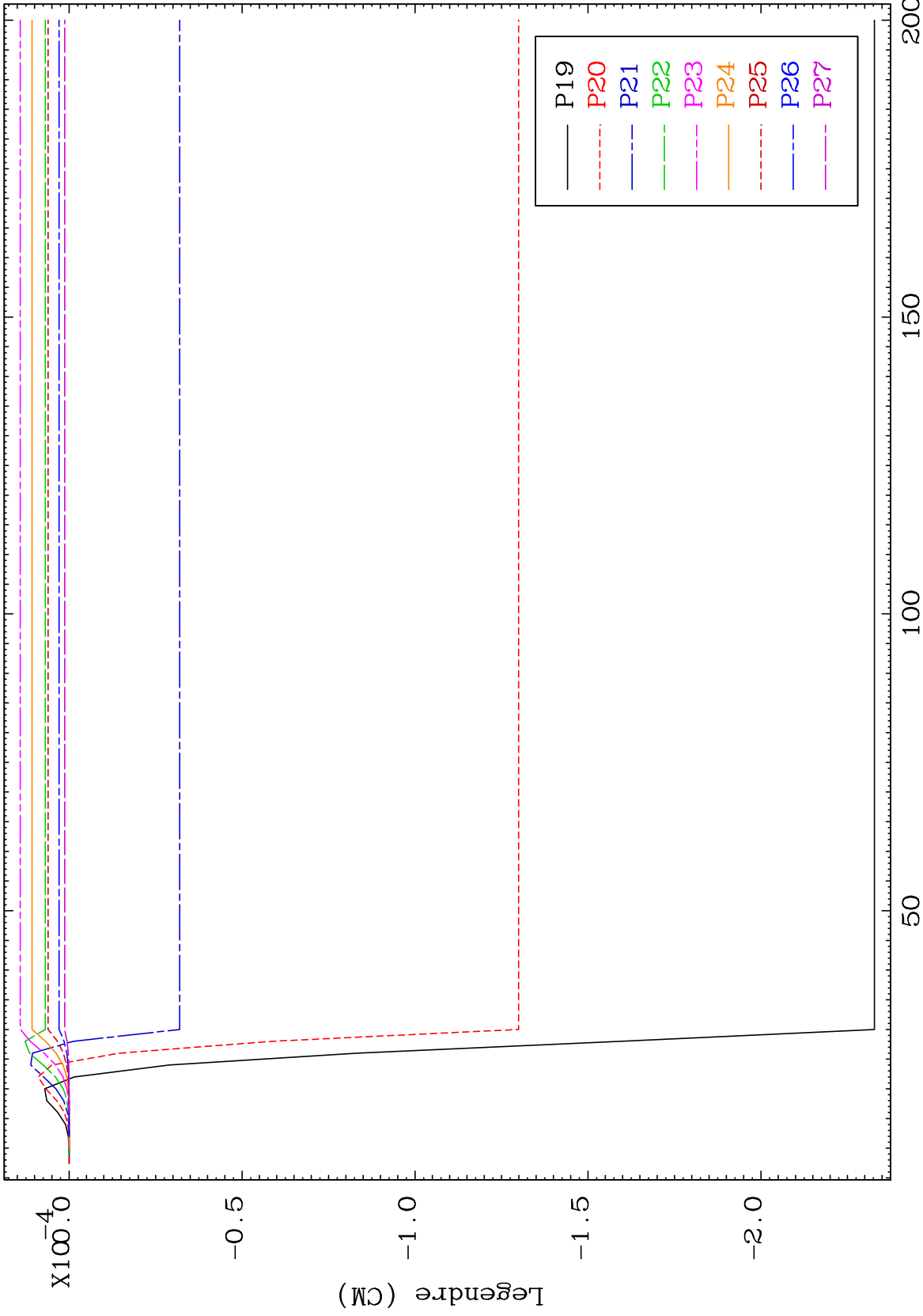
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



68

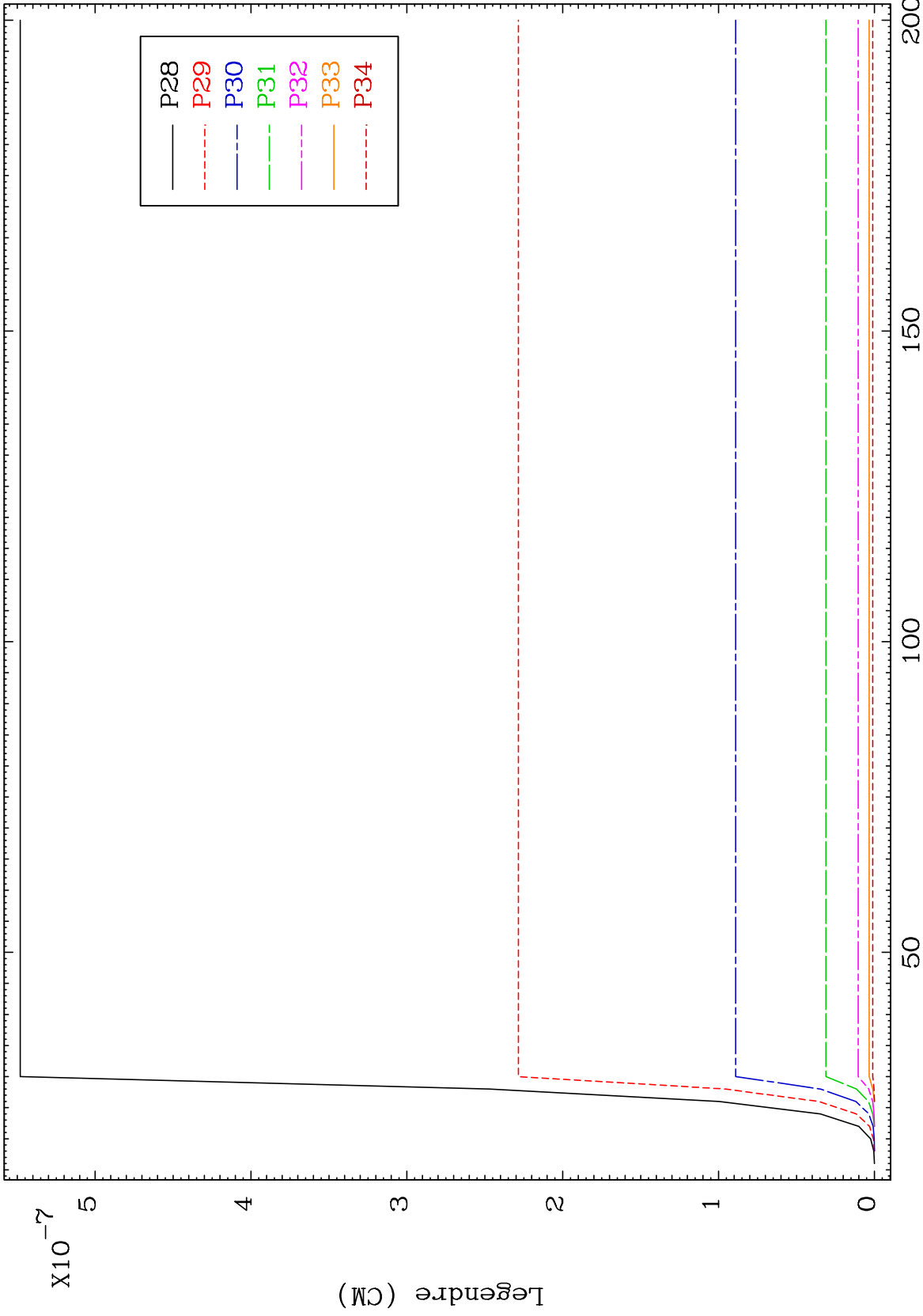
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



69

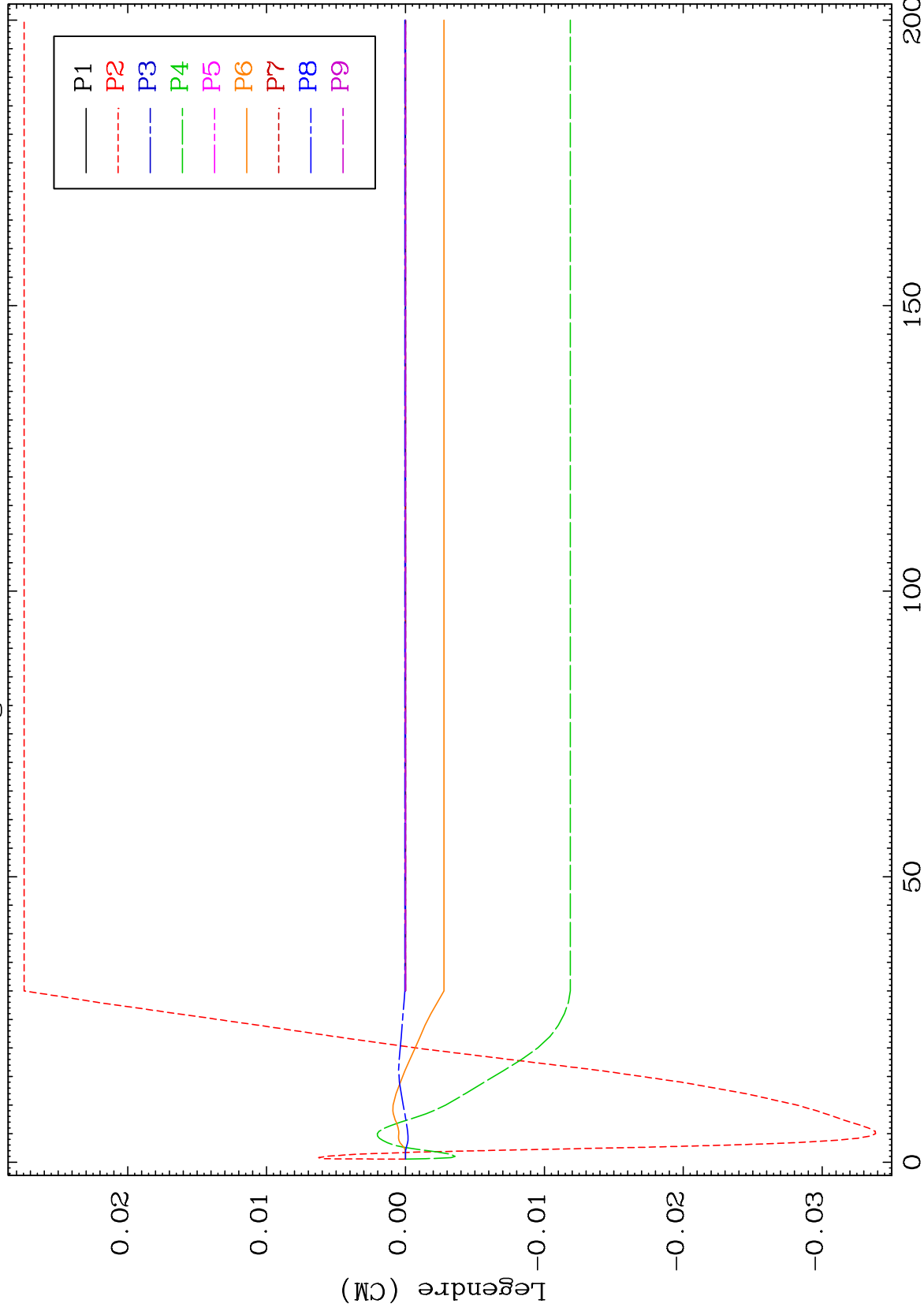
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



57-La-132

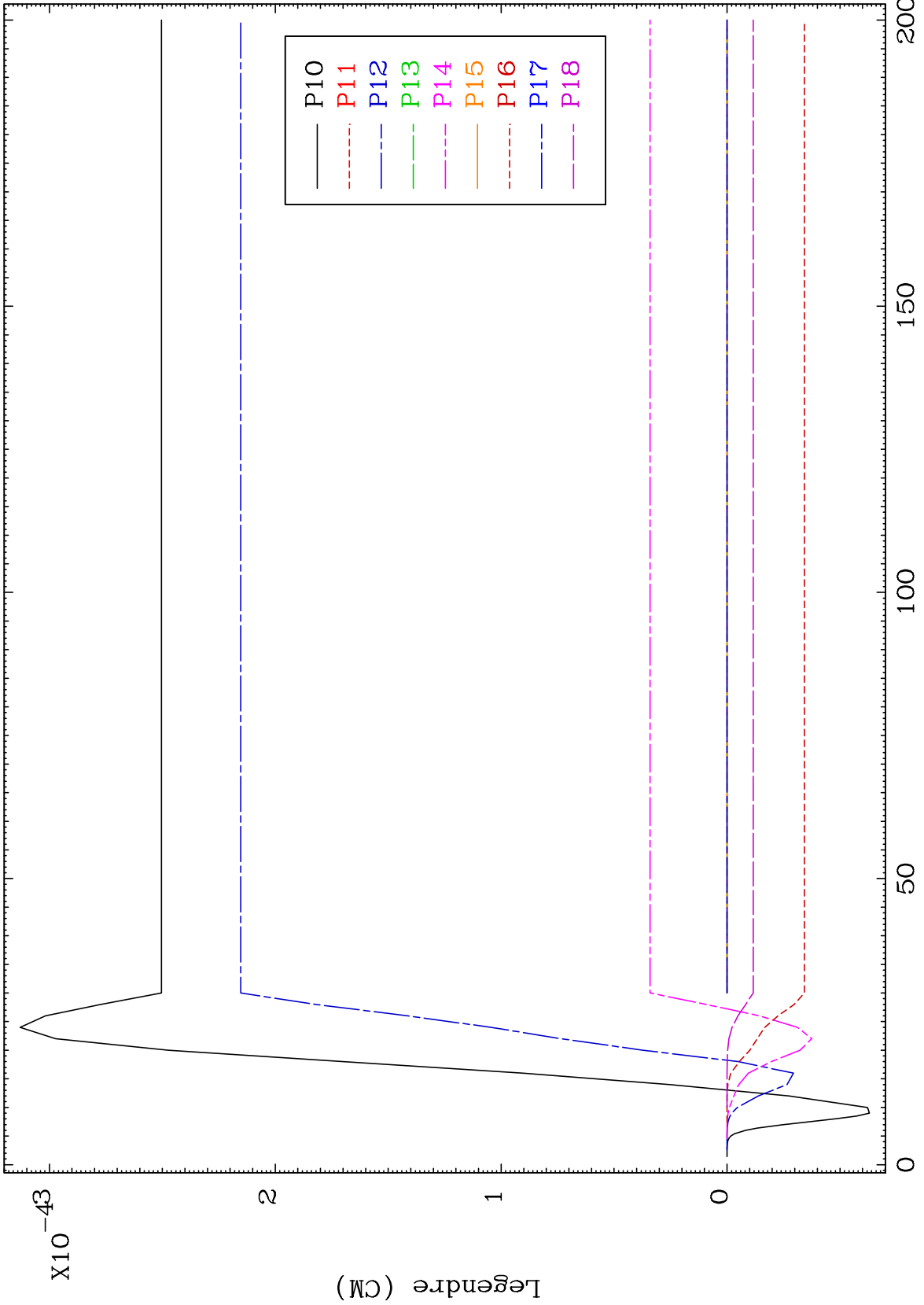
Incident Energy (MeV)

70

MAT 5707

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

57-La-132



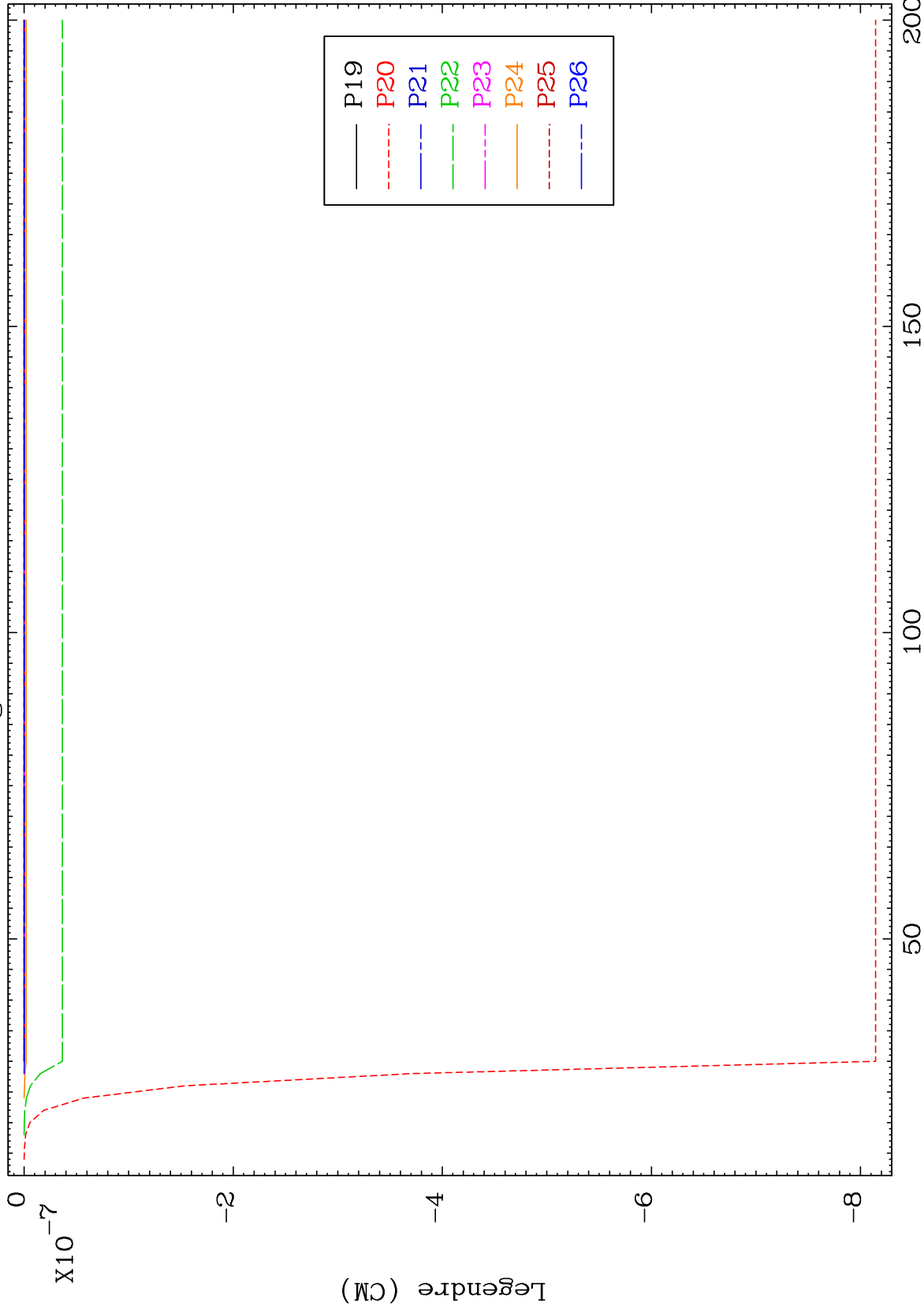
71

57-La-132

MAT 5707

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

57-La-132



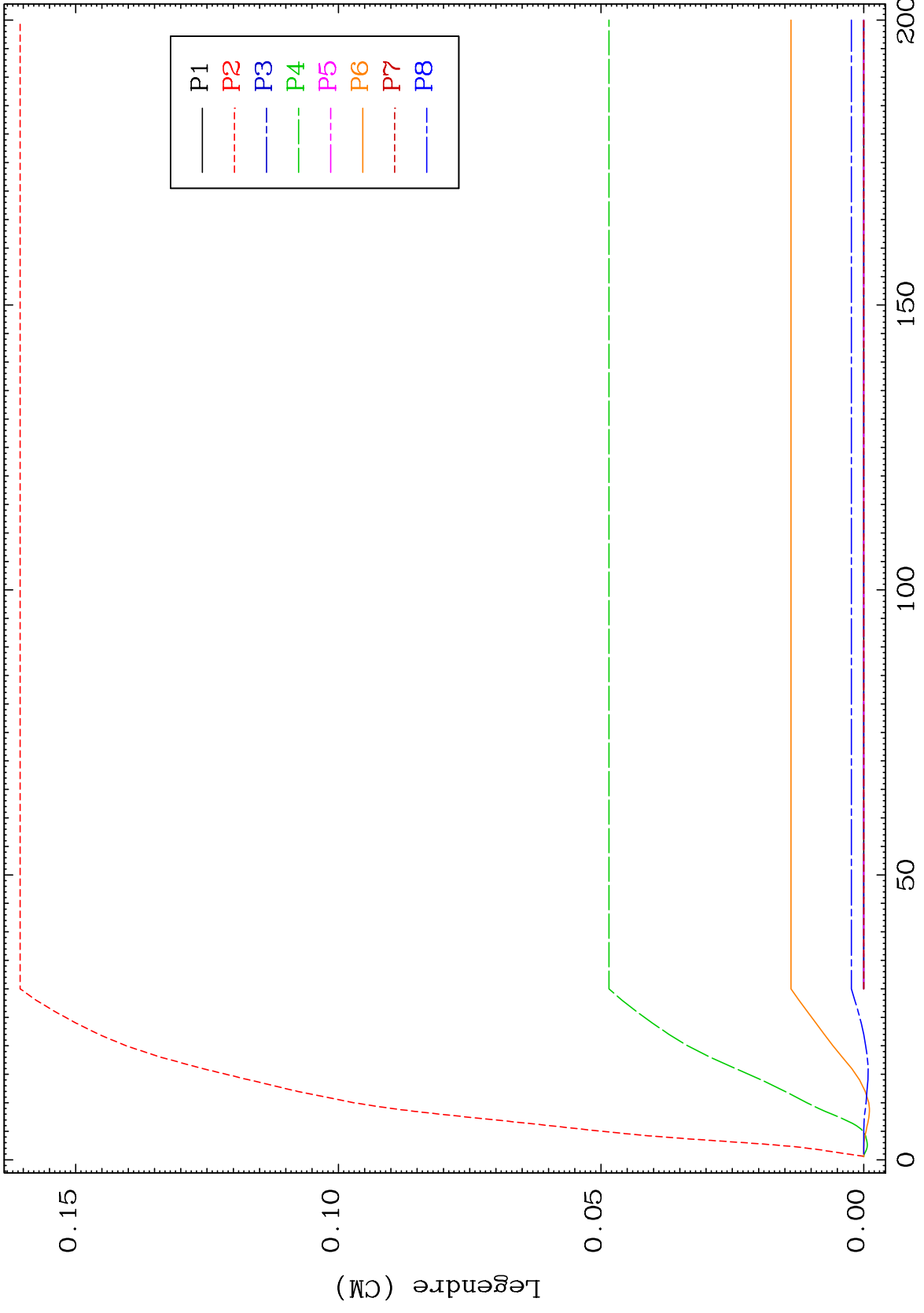
72

57-La-132

MAT 5707

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

57-La-132



73

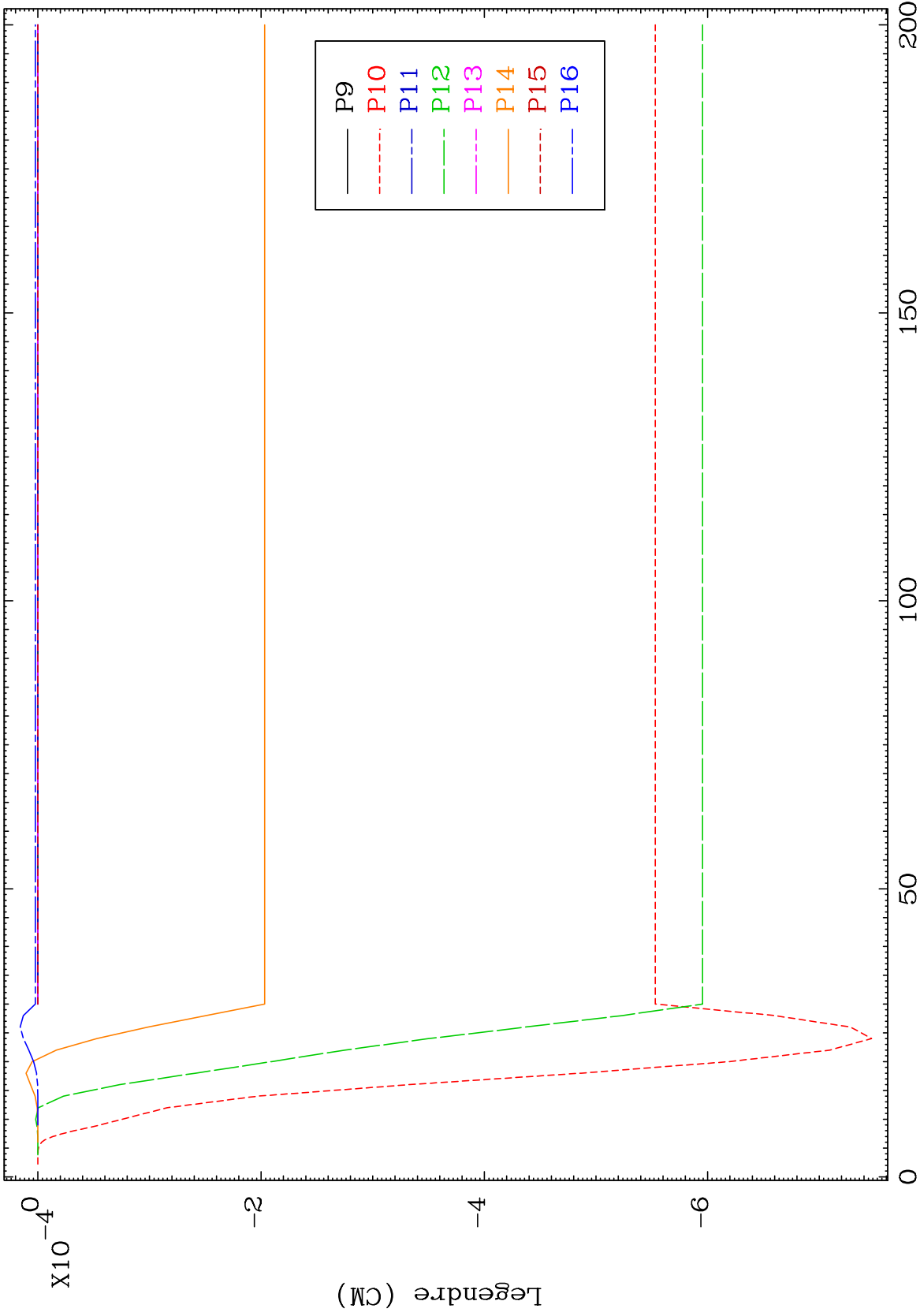
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



74

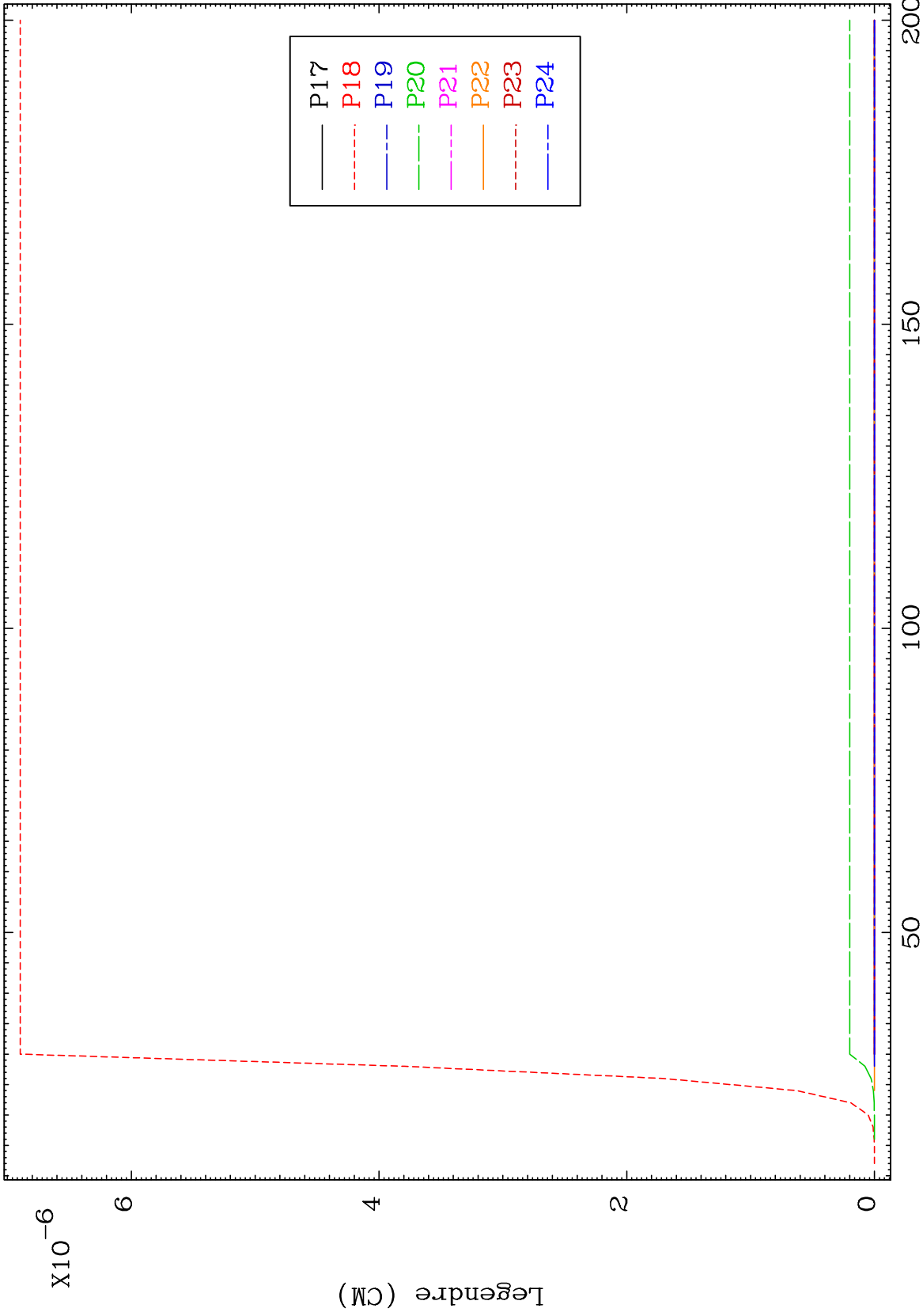
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



75

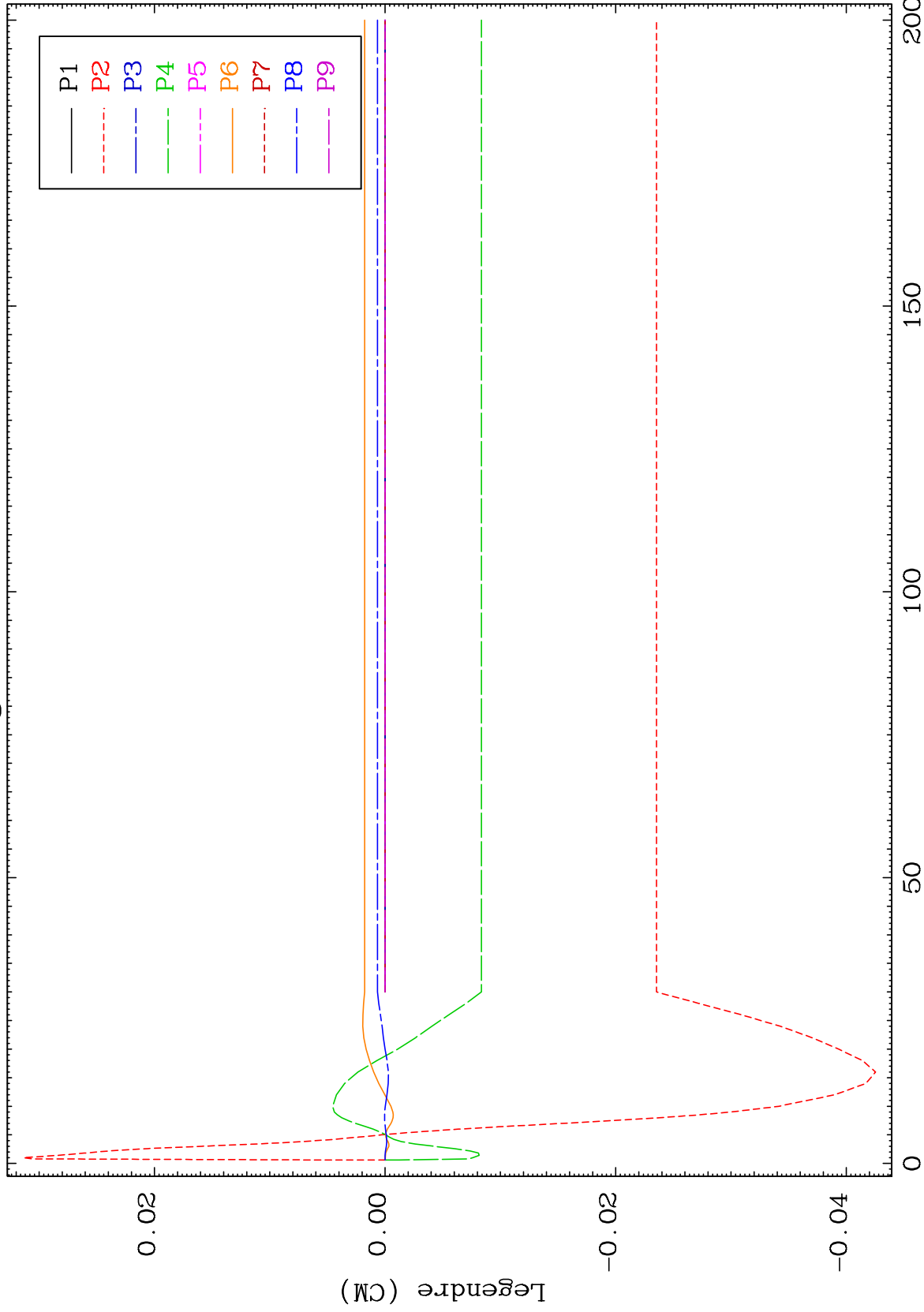
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



76

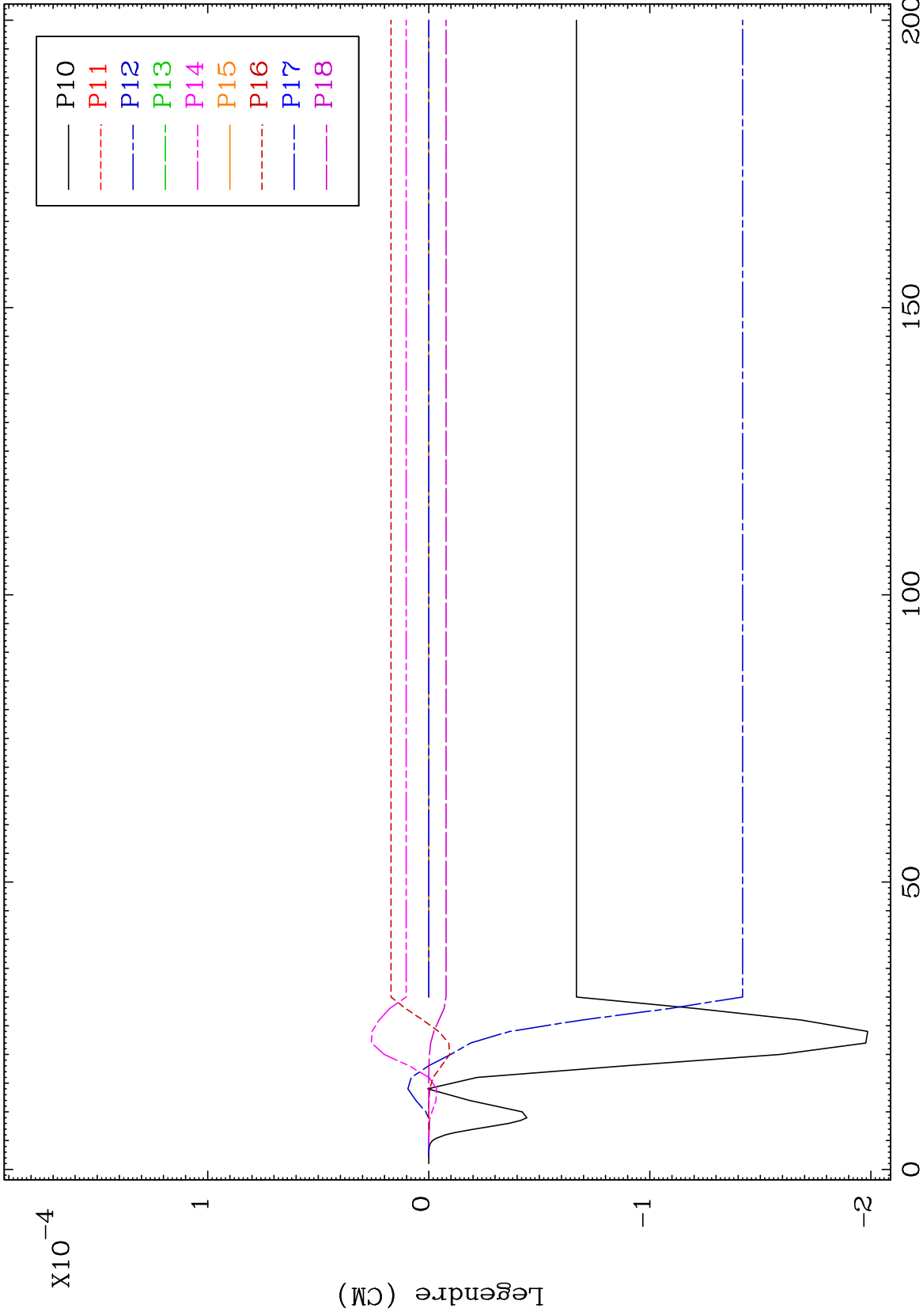
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



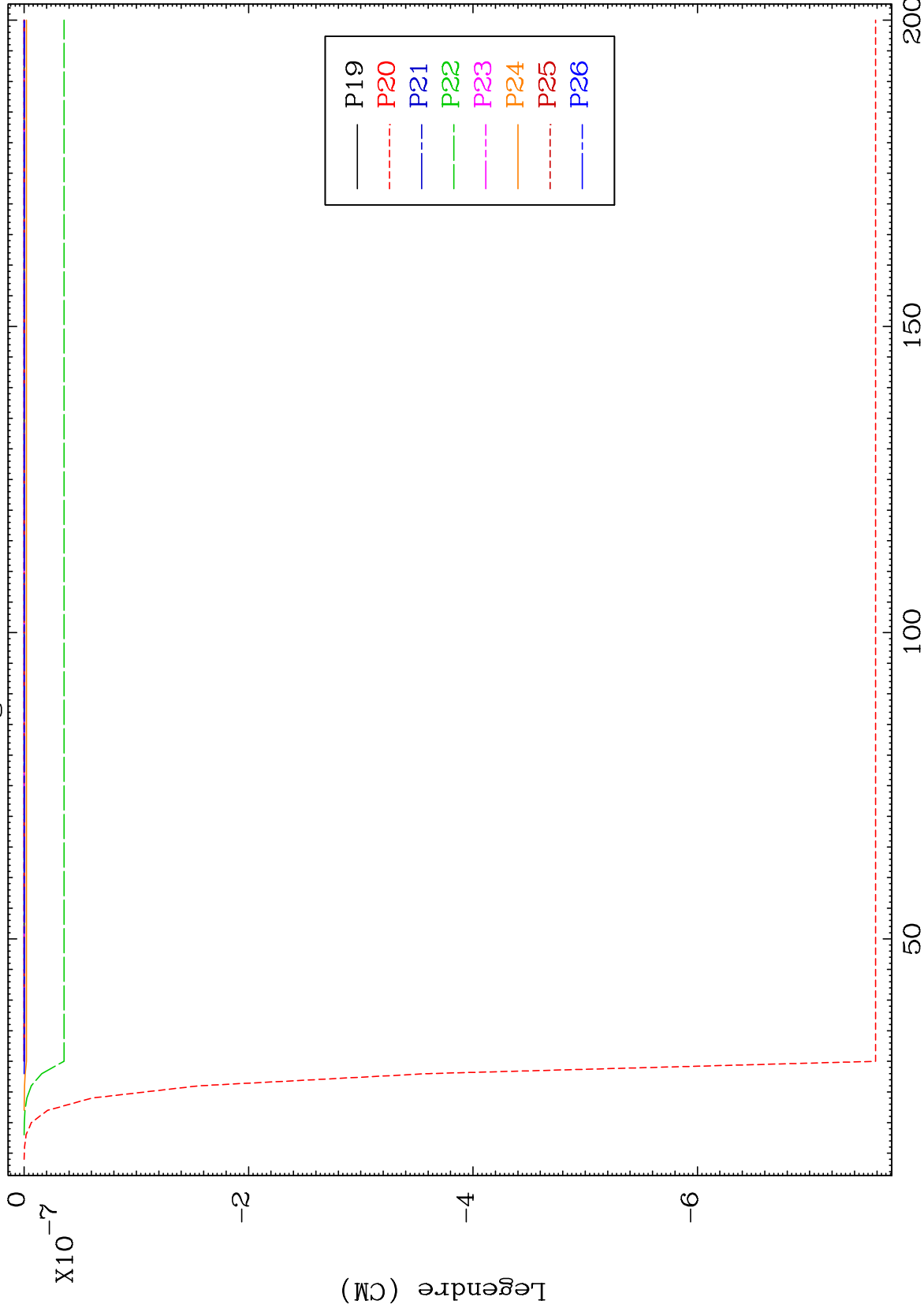
77

57-La-132

MAT 5707

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

57-La-132



78

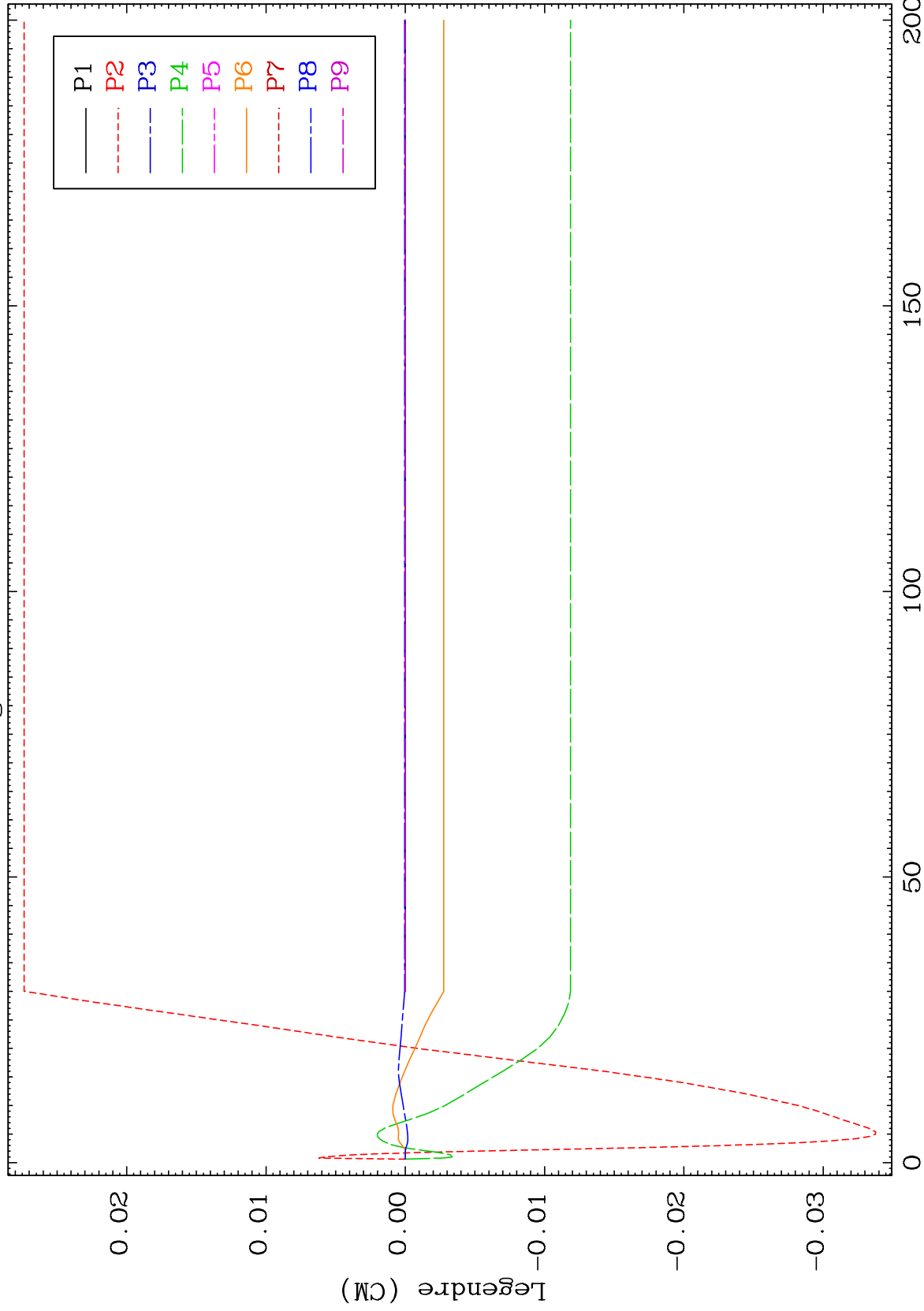
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



79

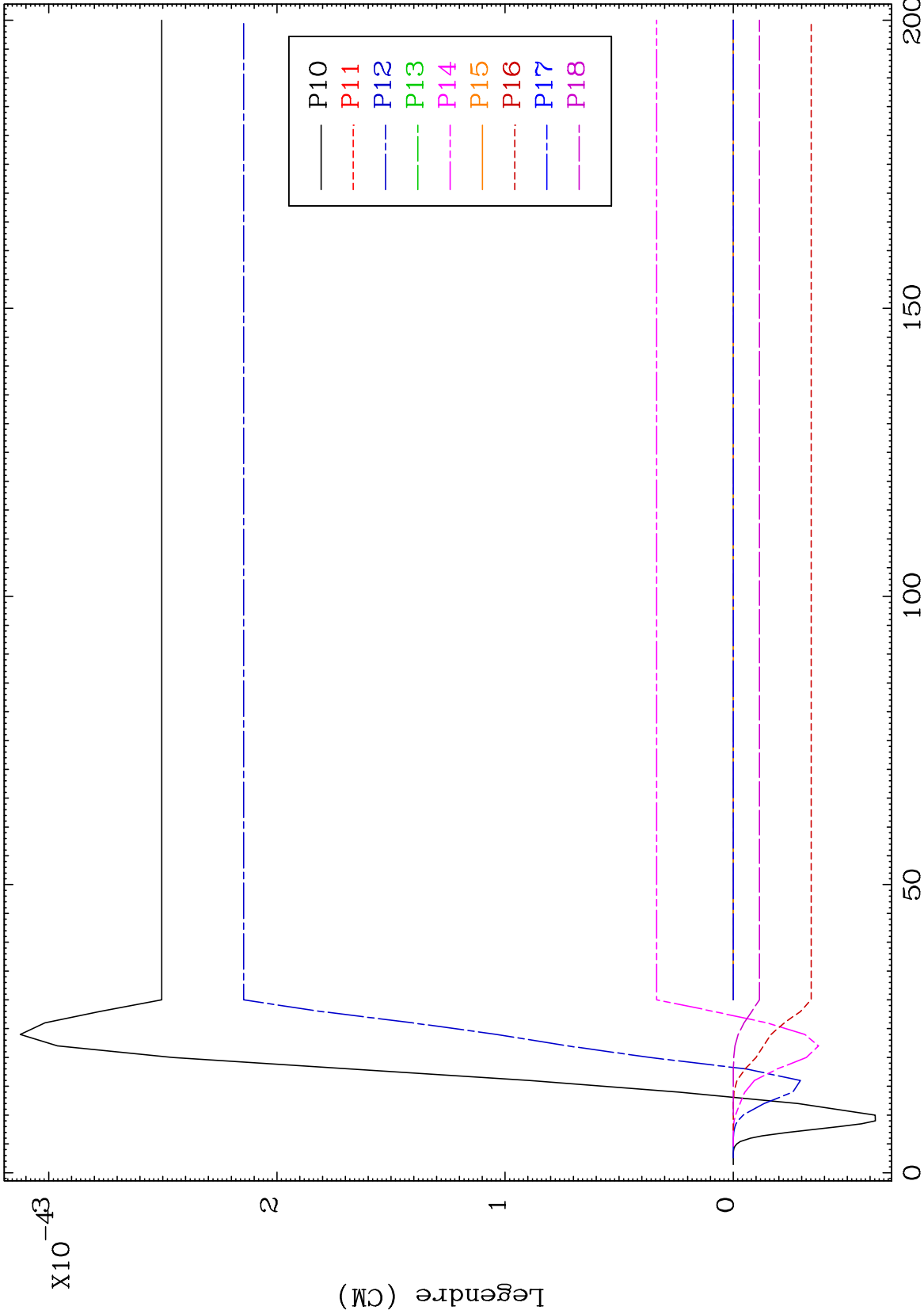
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



80

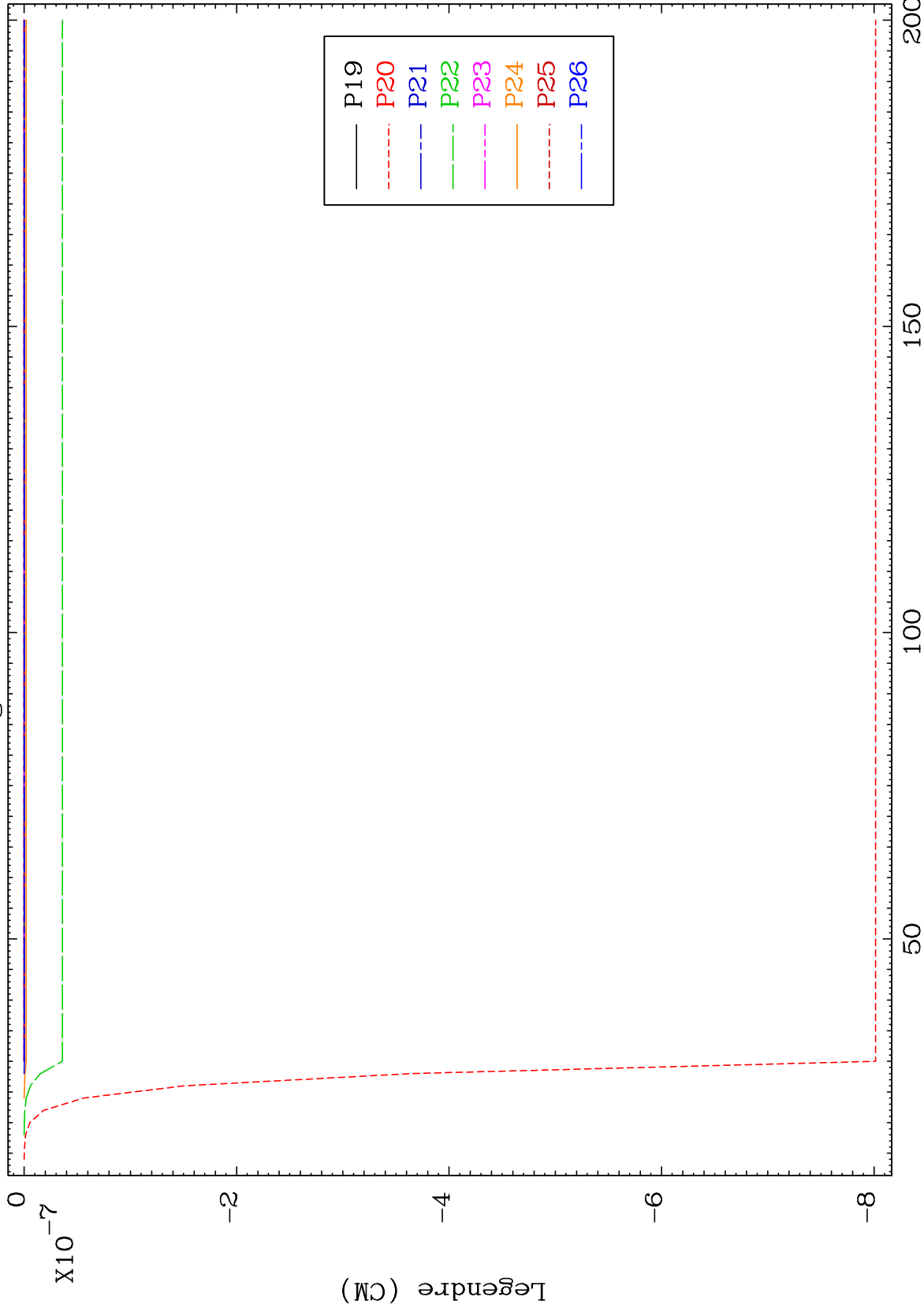
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



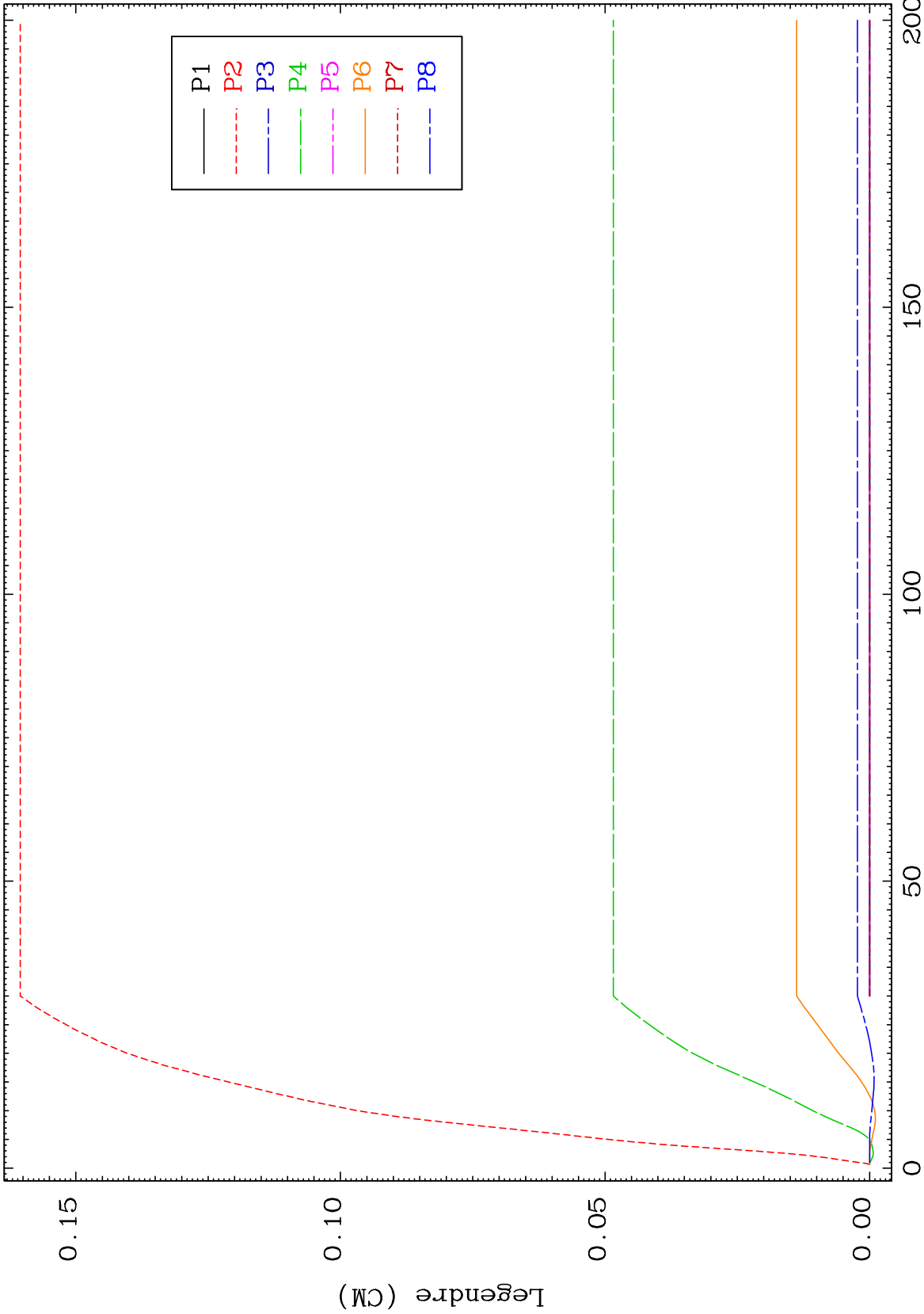
81

57-La-132

MAT 5707

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

57-La-132



82

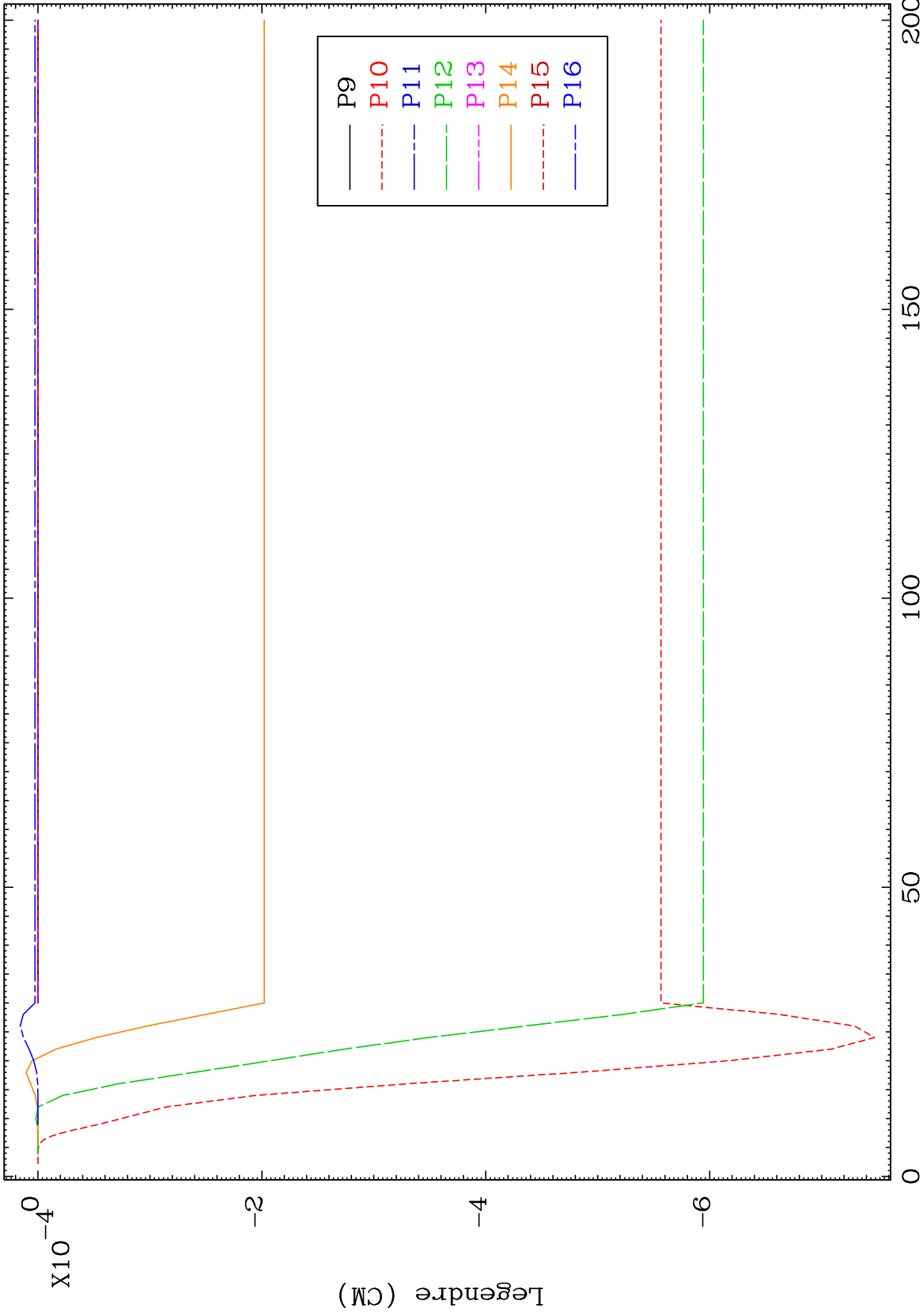
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



83

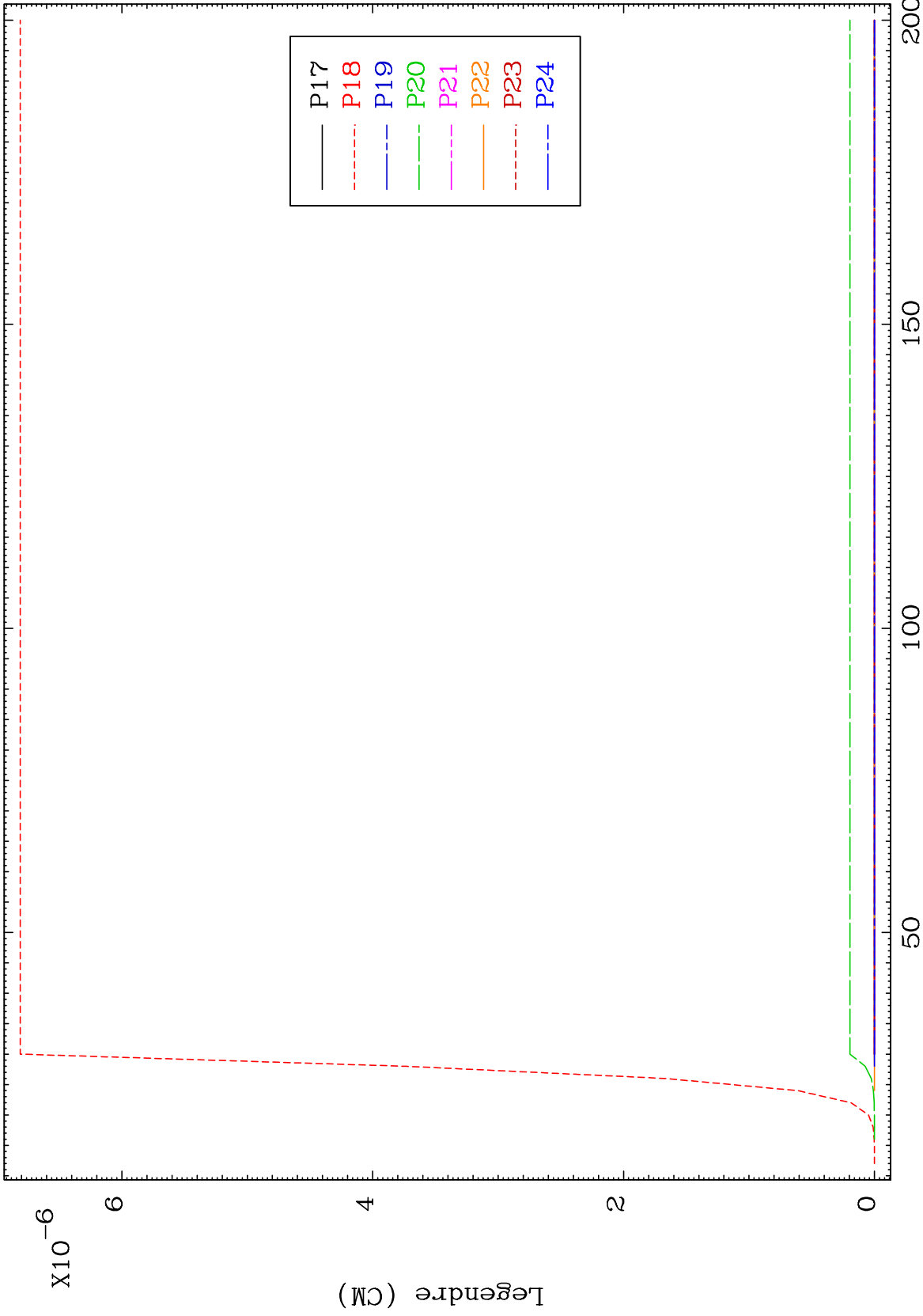
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



84

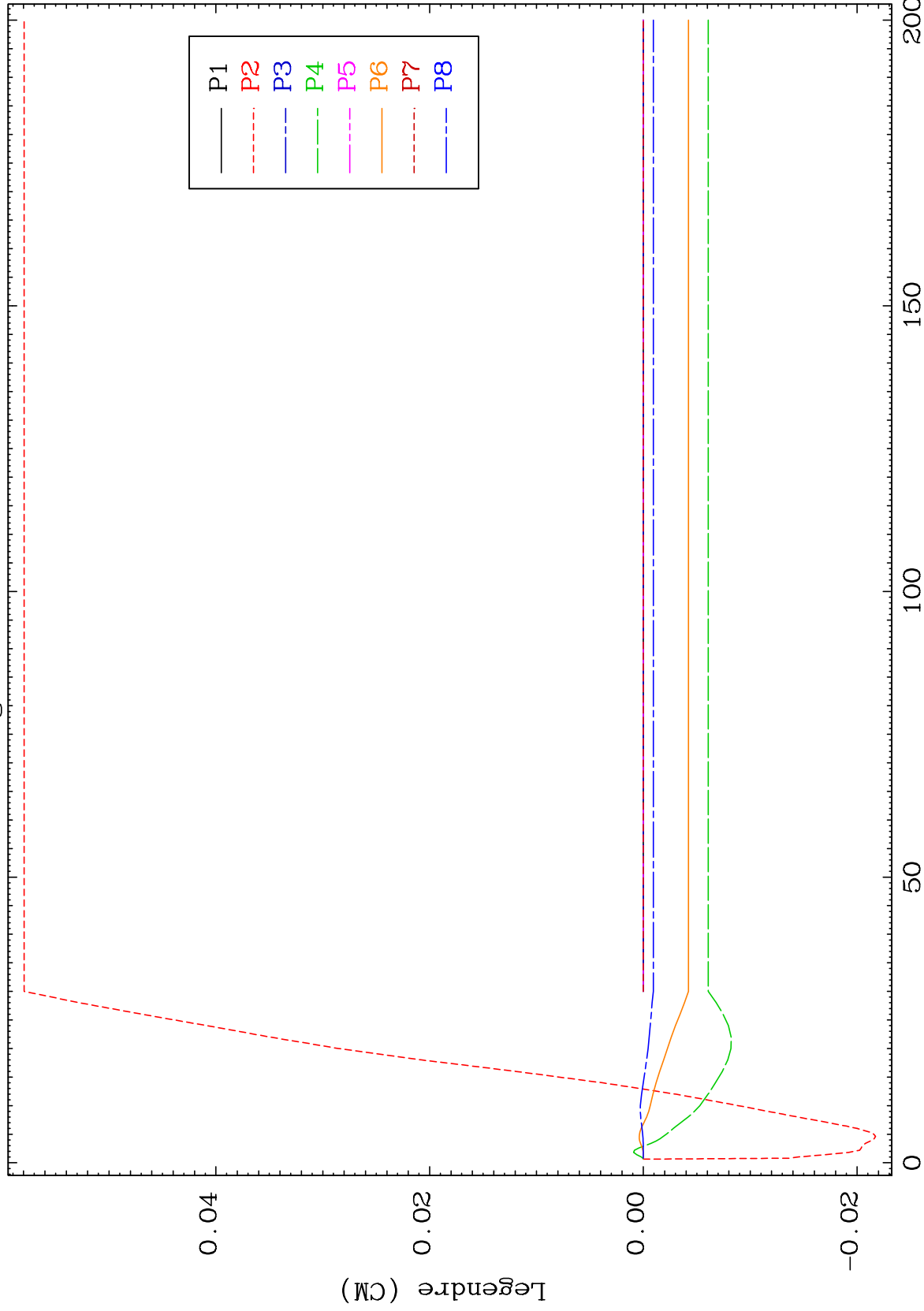
Incident Energy (MeV)

57-La-132

MAT 5707

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

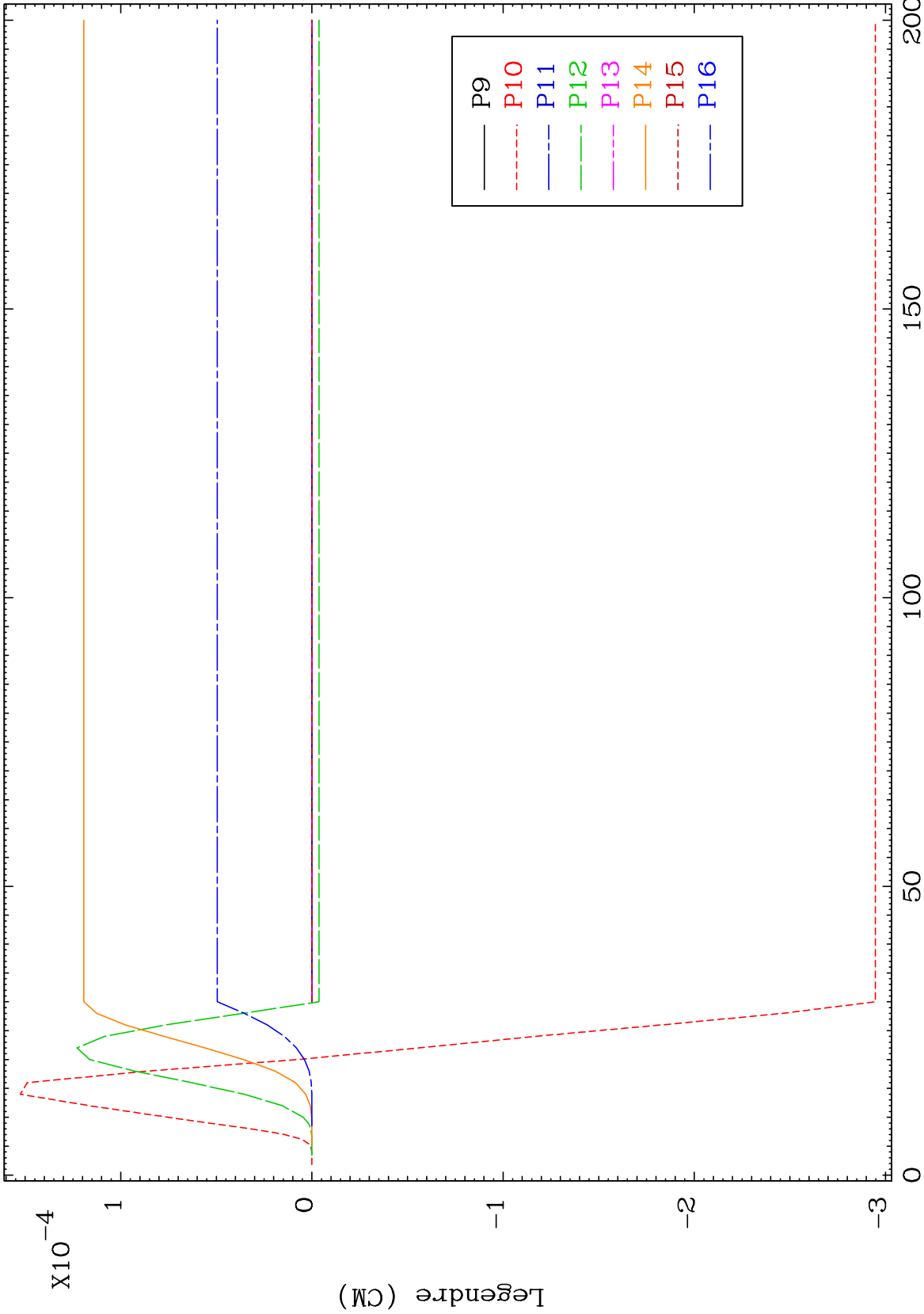
57-La-132



85

Incident Energy (MeV)

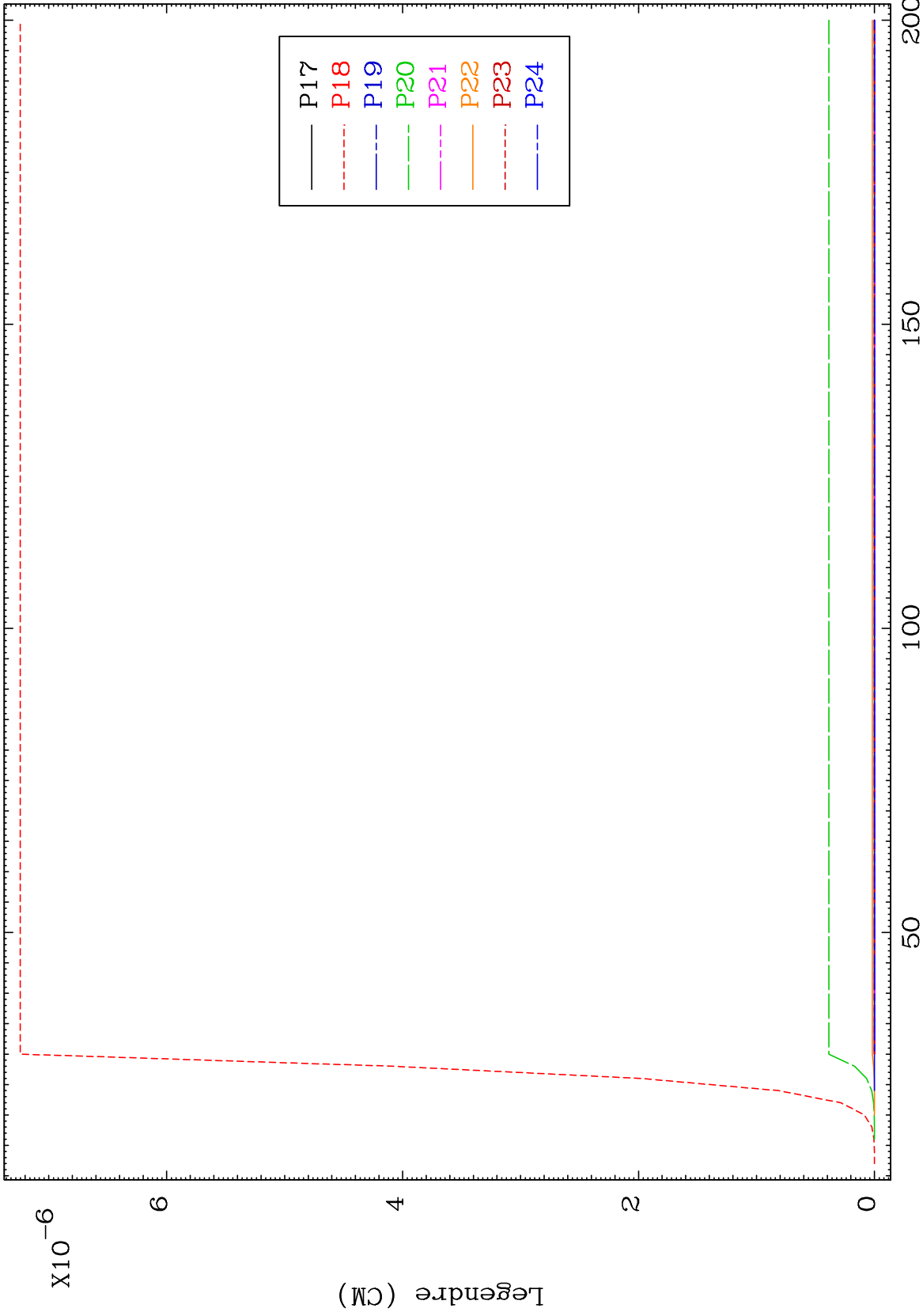
57-La-132



MAT 5707

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

57-La-132



87

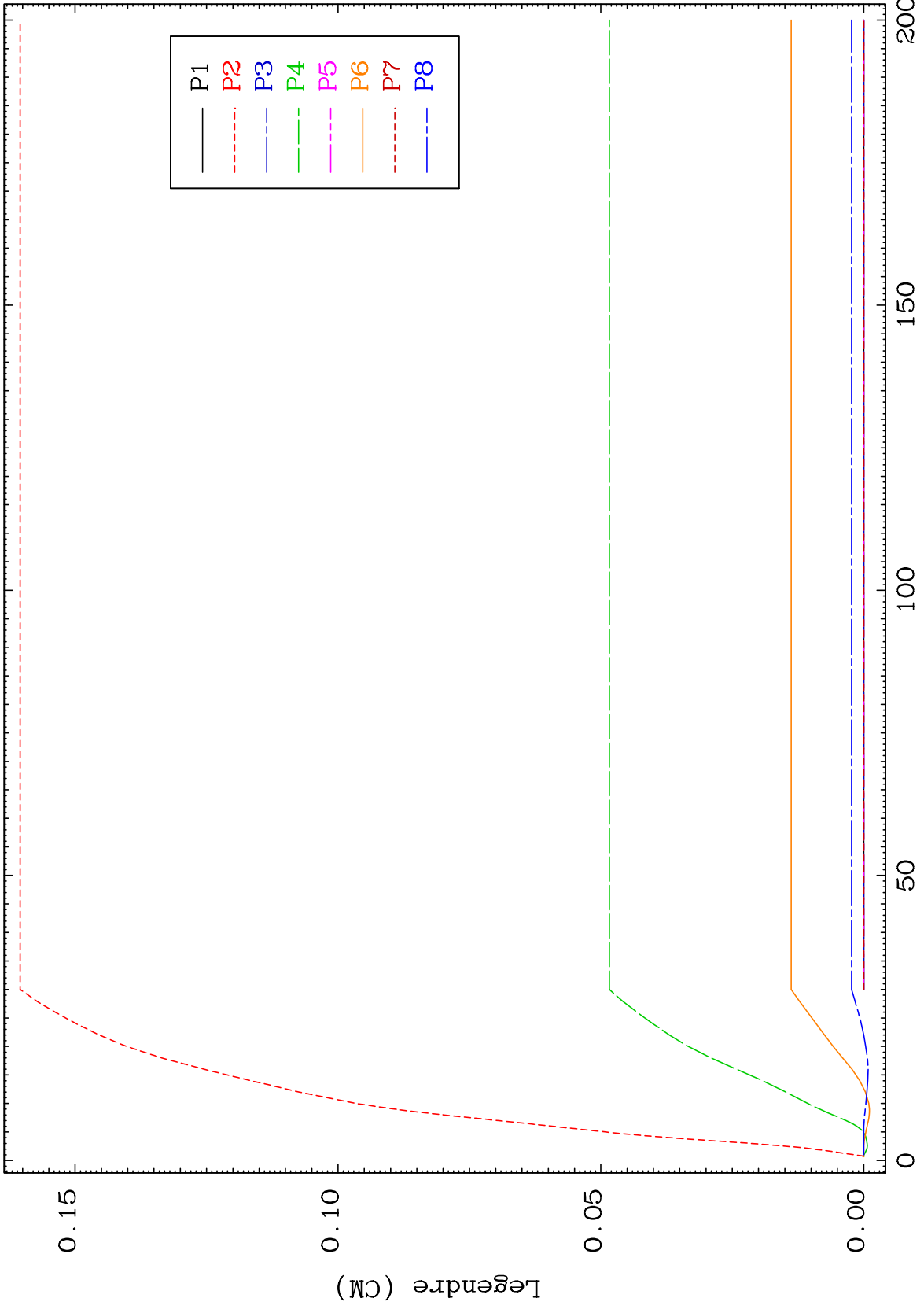
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



88

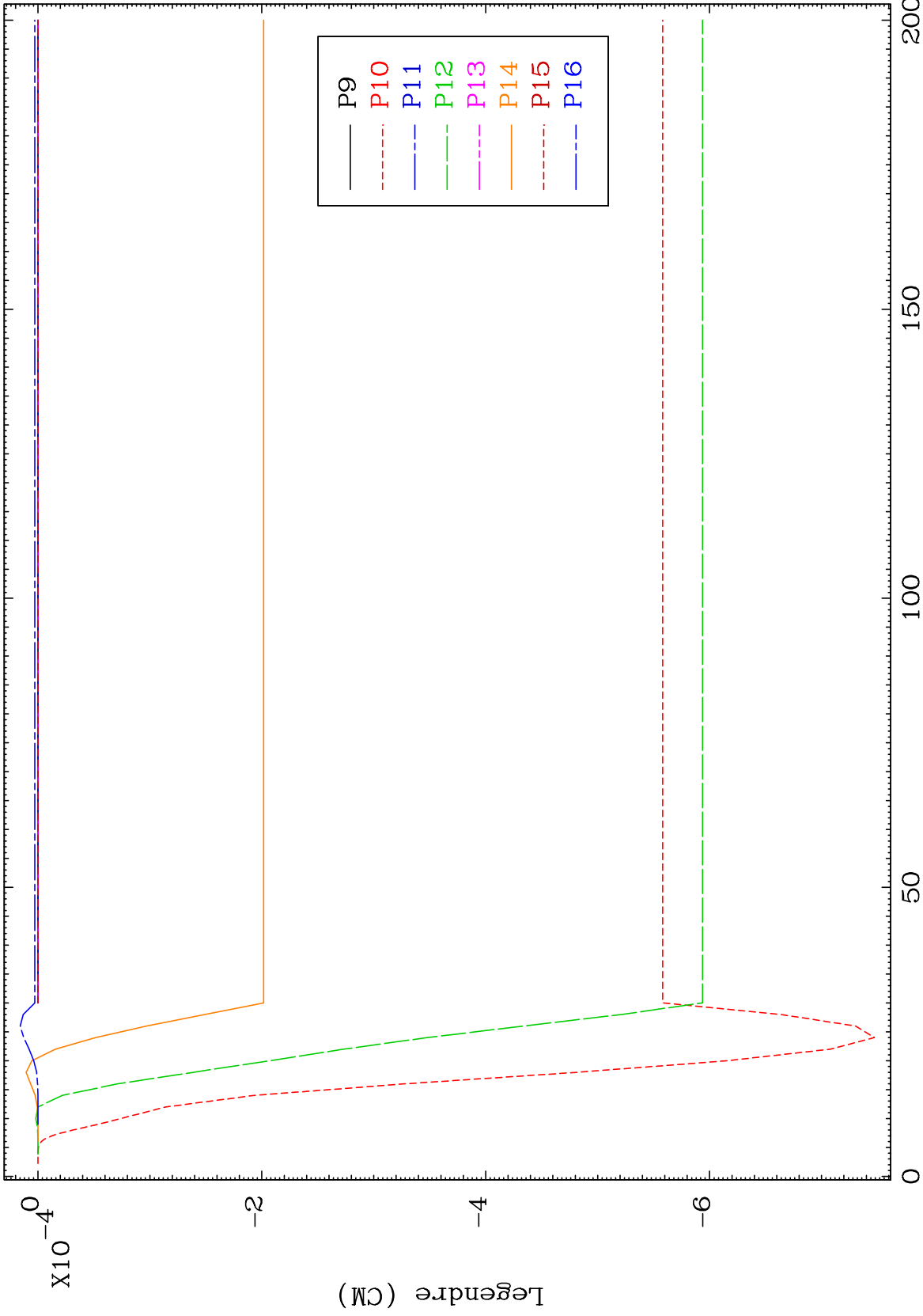
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



89

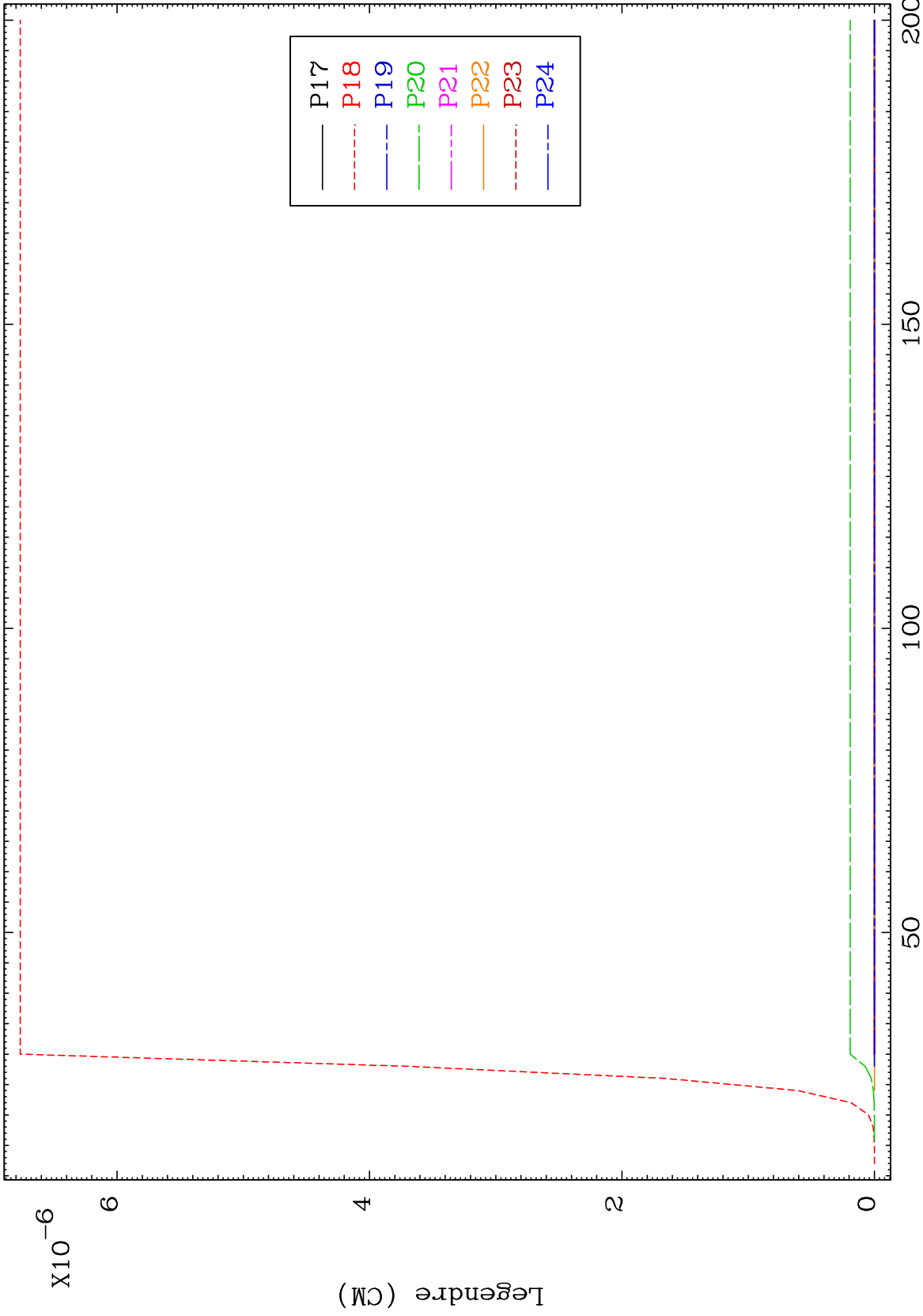
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



90

Incident Energy (MeV)

50

100

150

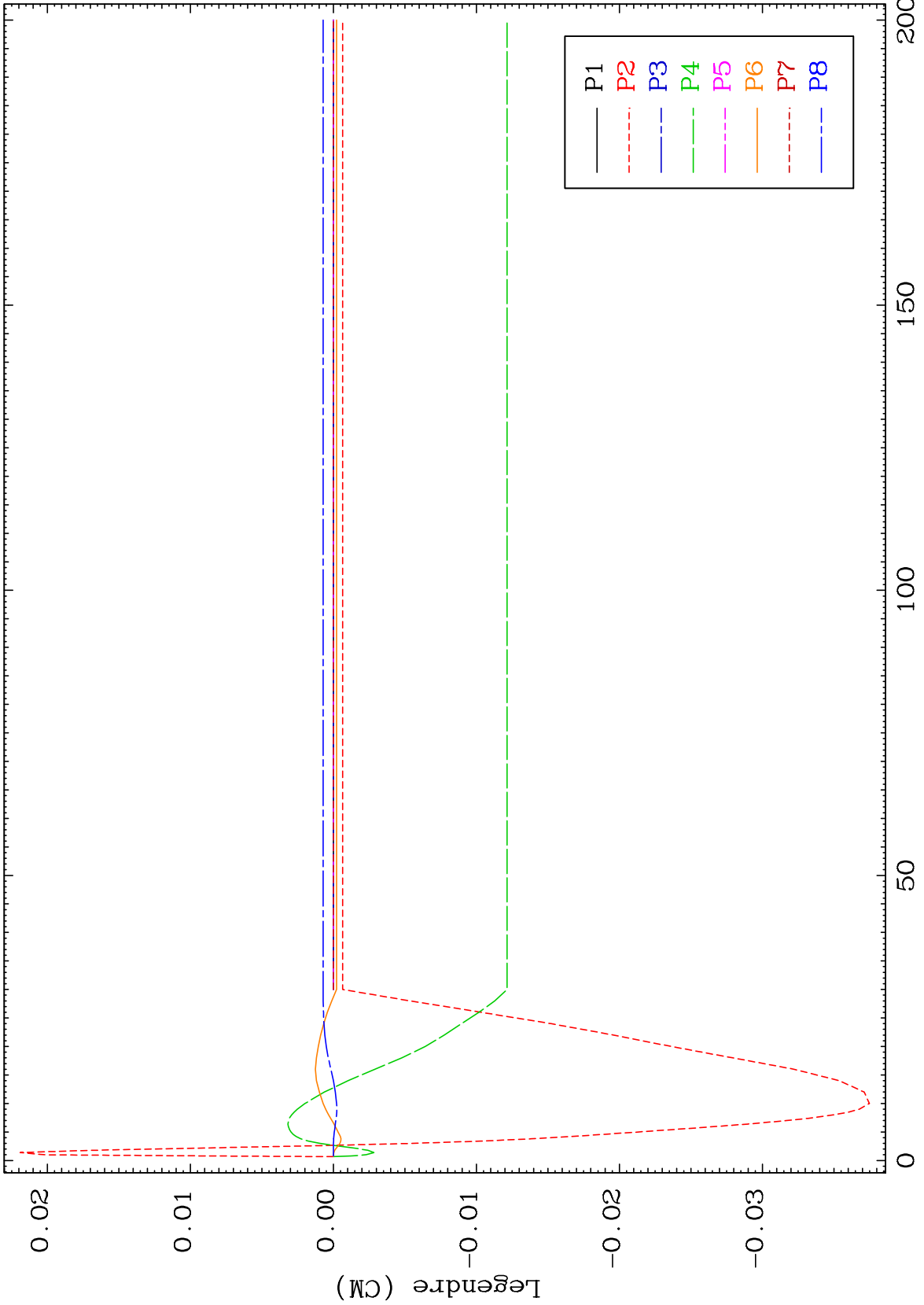
200

57-La-132

MAT 5707

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

57-La-132



91

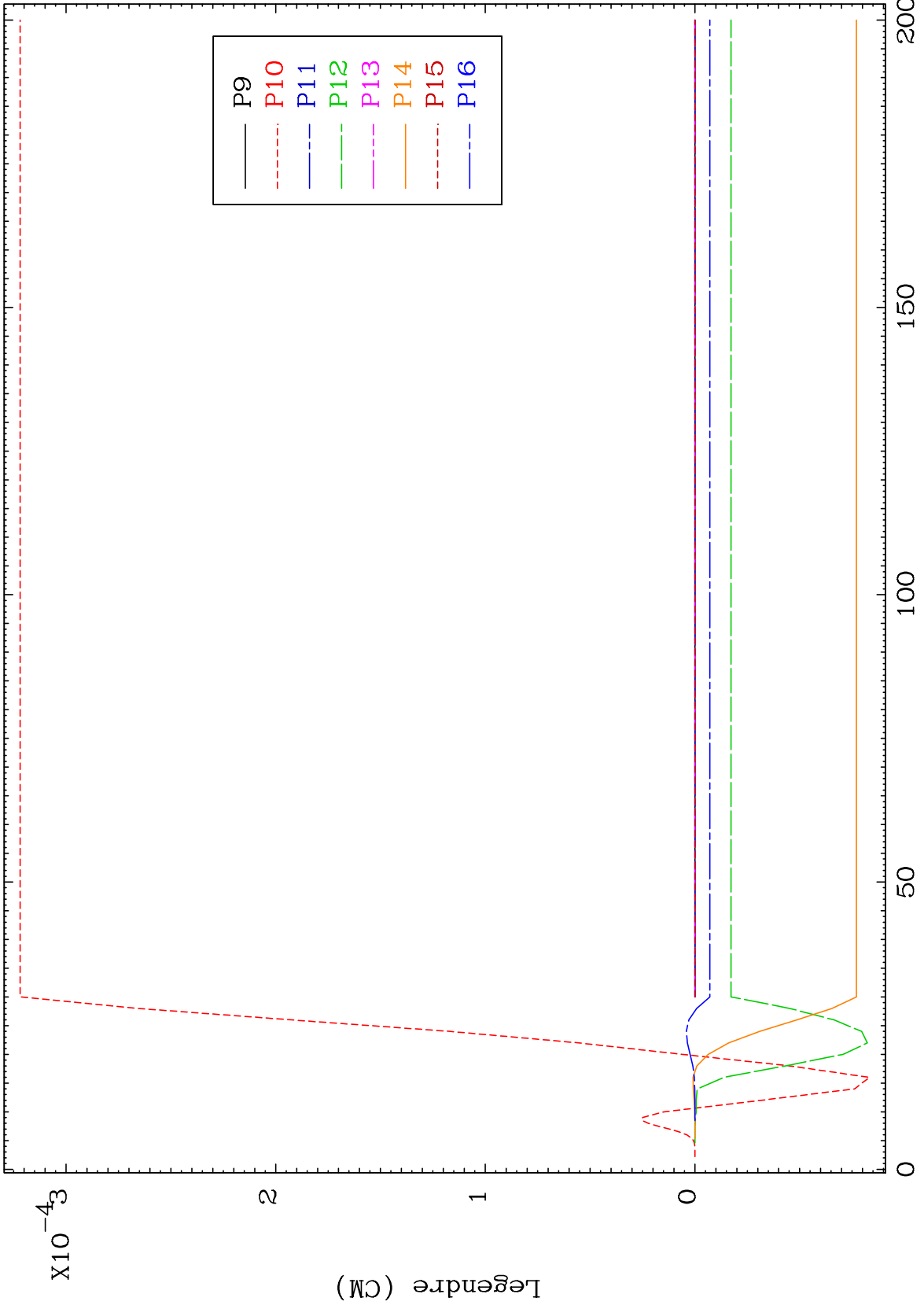
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



92

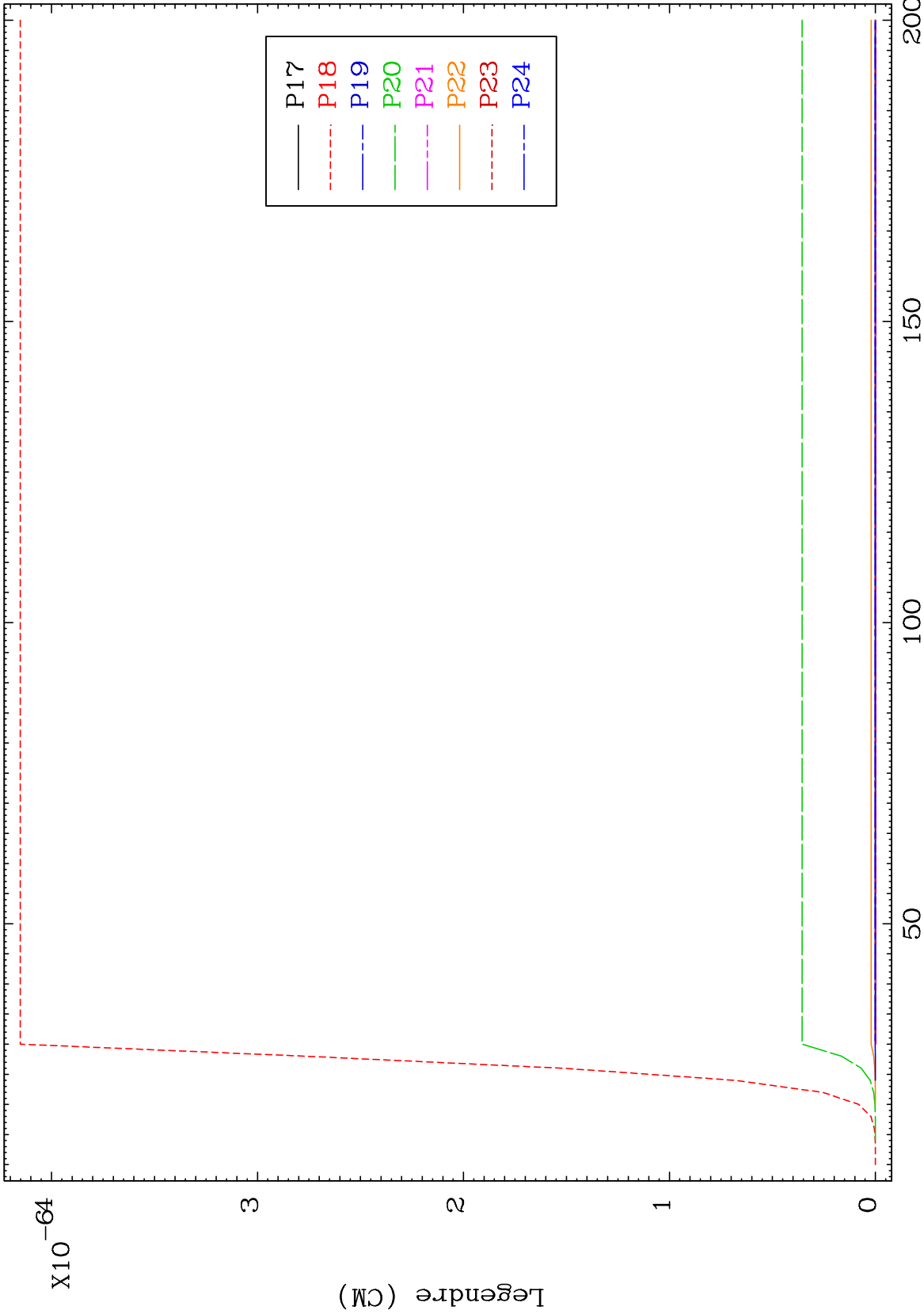
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



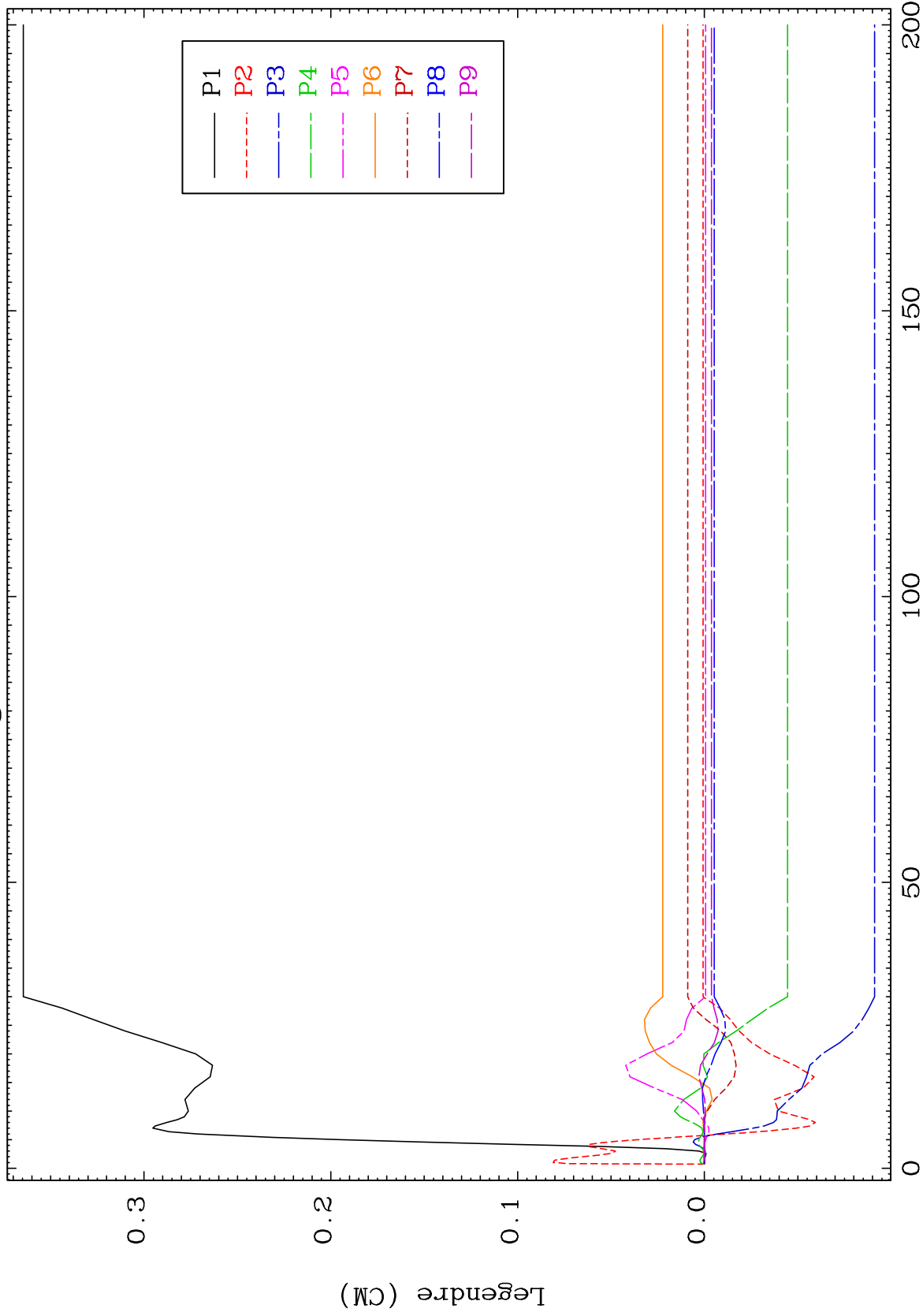
93

57-La-132

MAT 5707

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

57-La-132



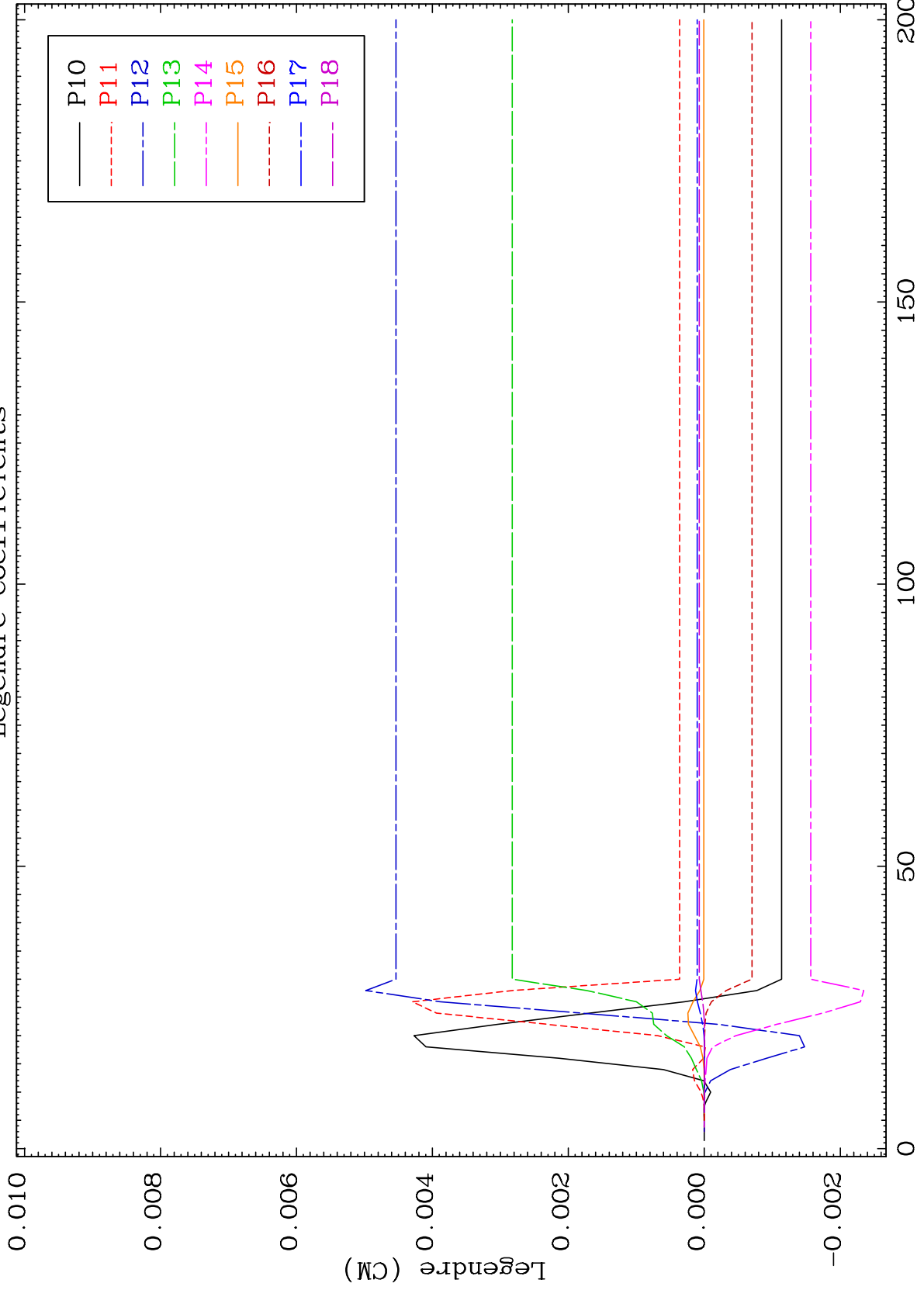
94

57-La-132

MAT 5707

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

57-La-132



95

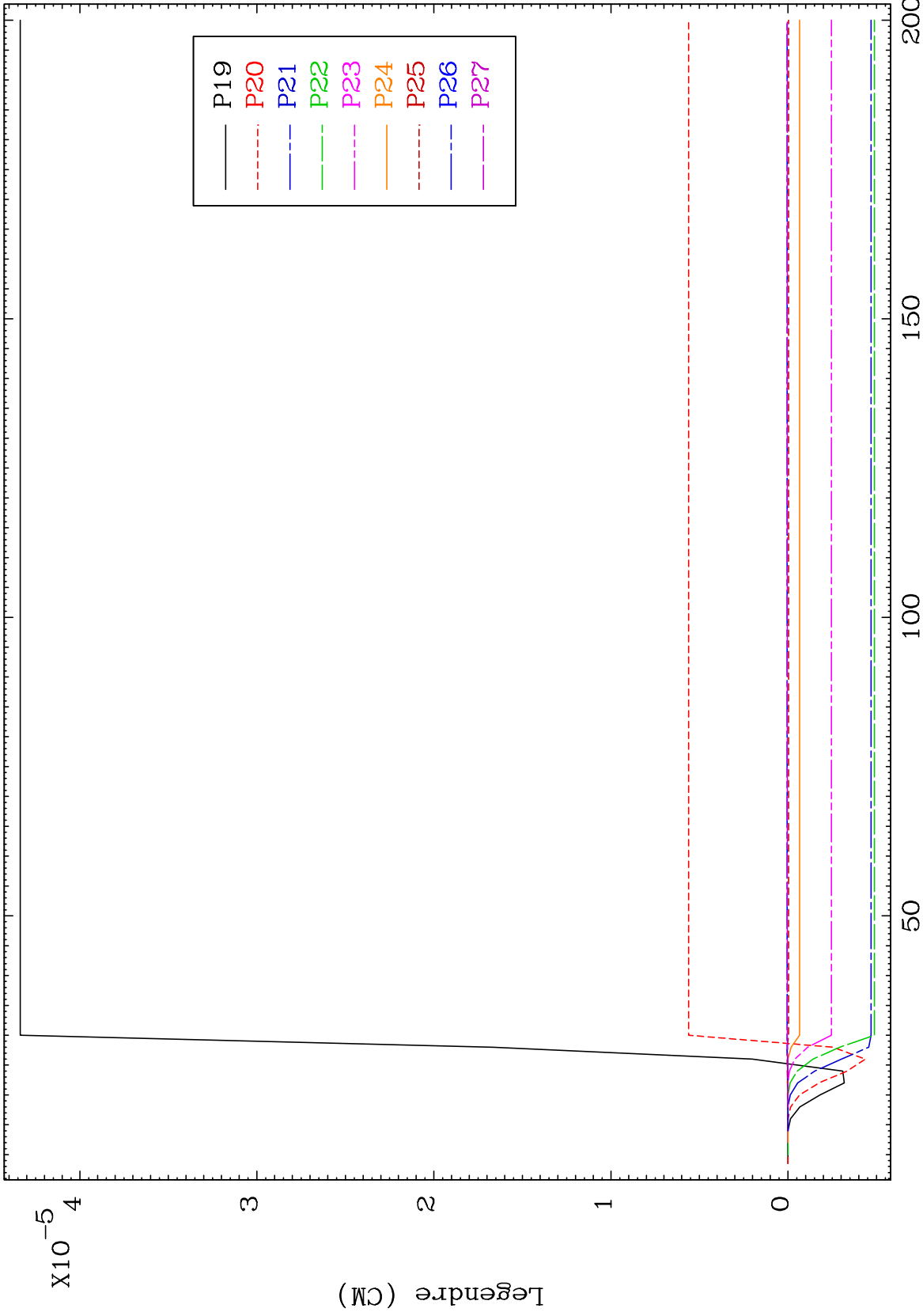
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



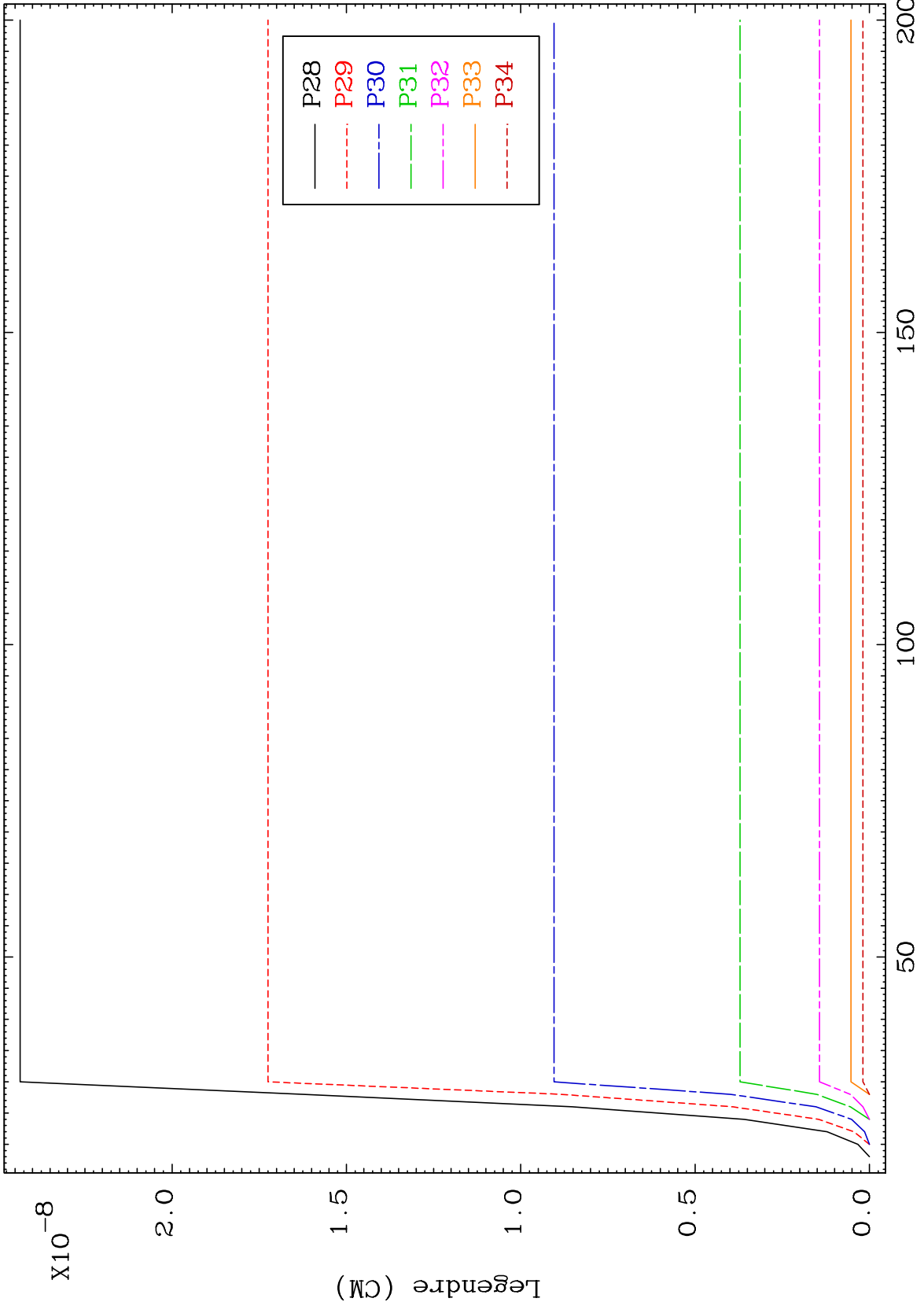
96

57-La-132

MAT 5707

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

57-La-132



97

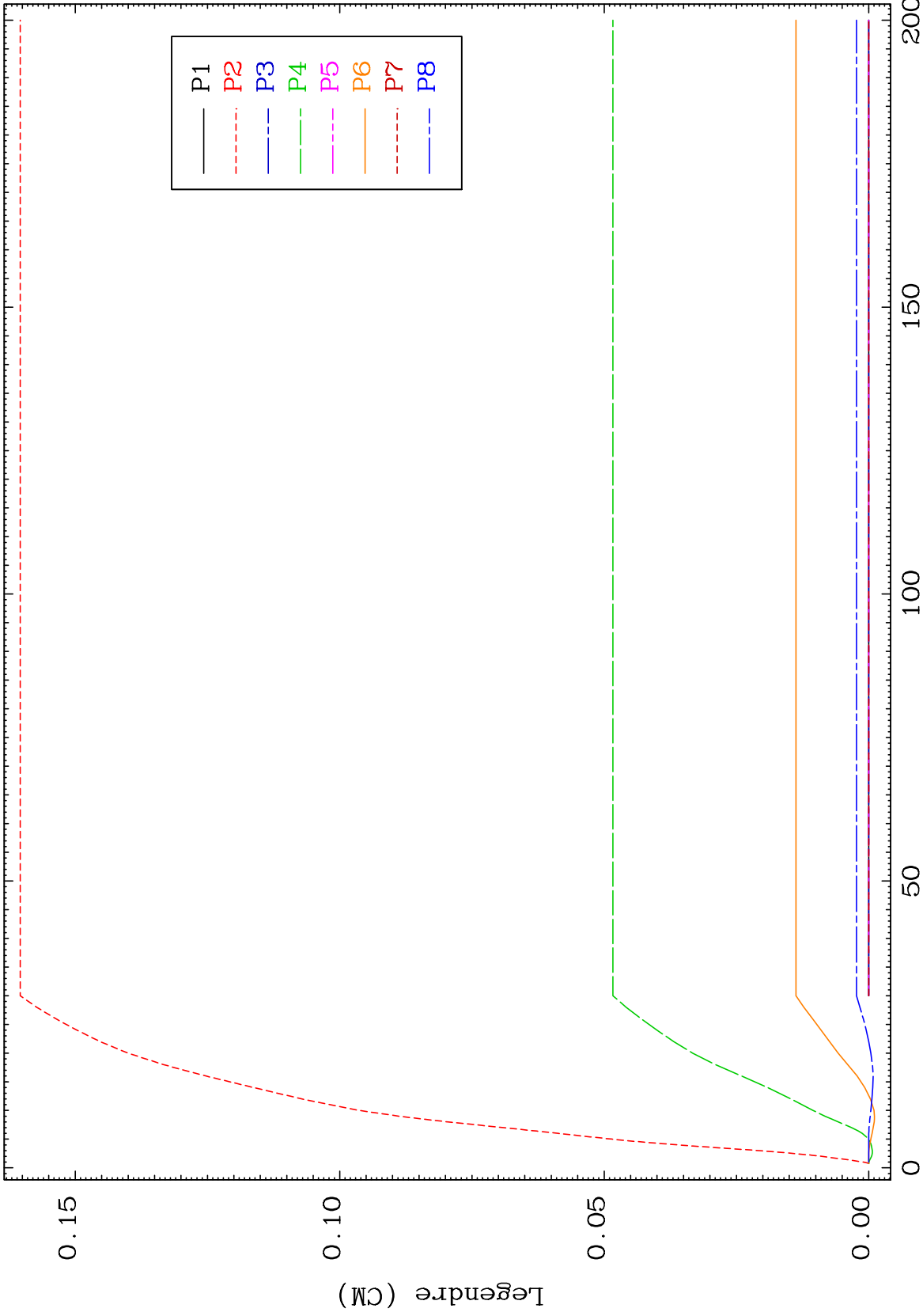
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



98

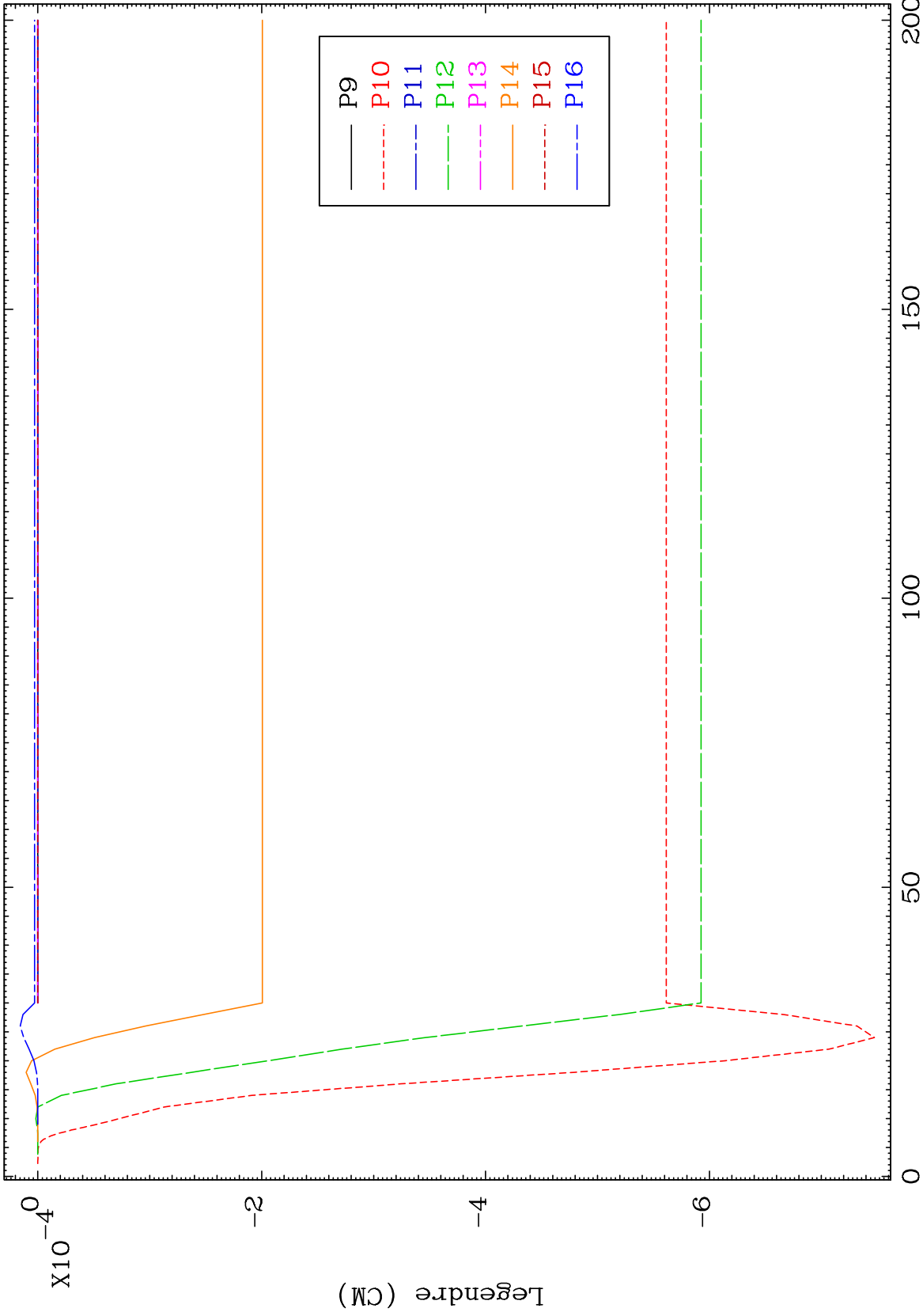
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



99

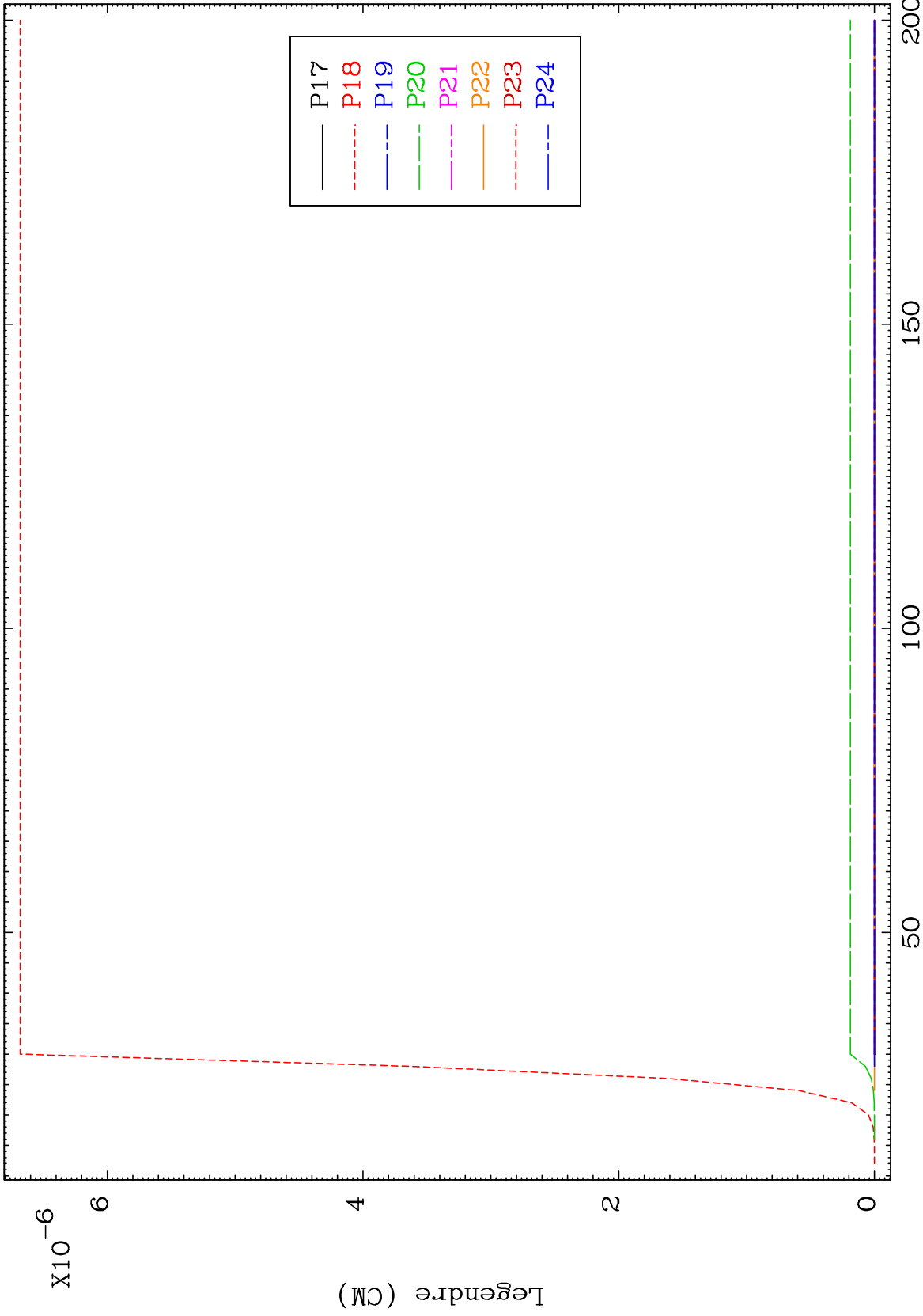
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



100

50

100

150

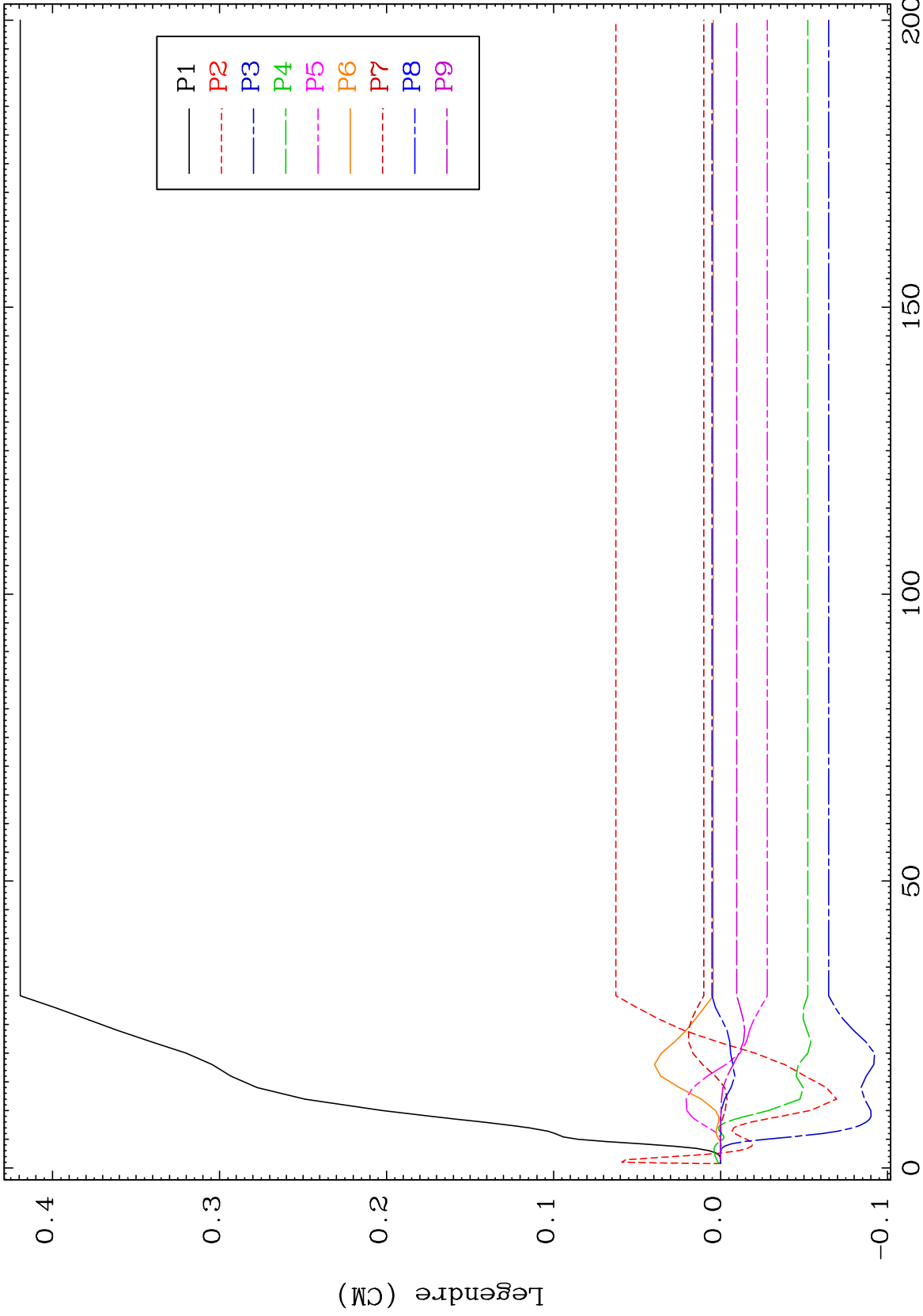
200

57-La-132

MAT 5707

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

57-La-132



101

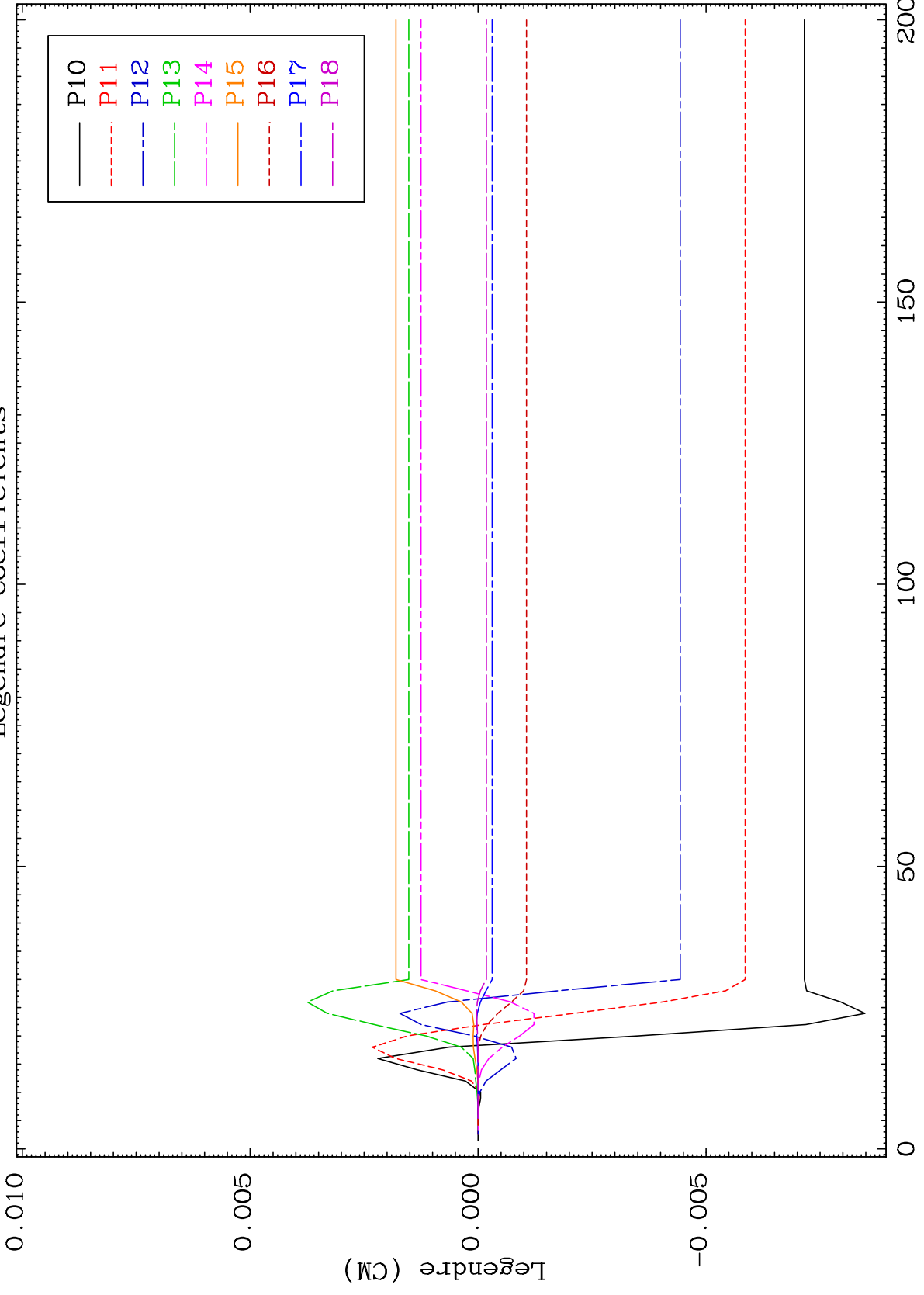
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



57-La-132

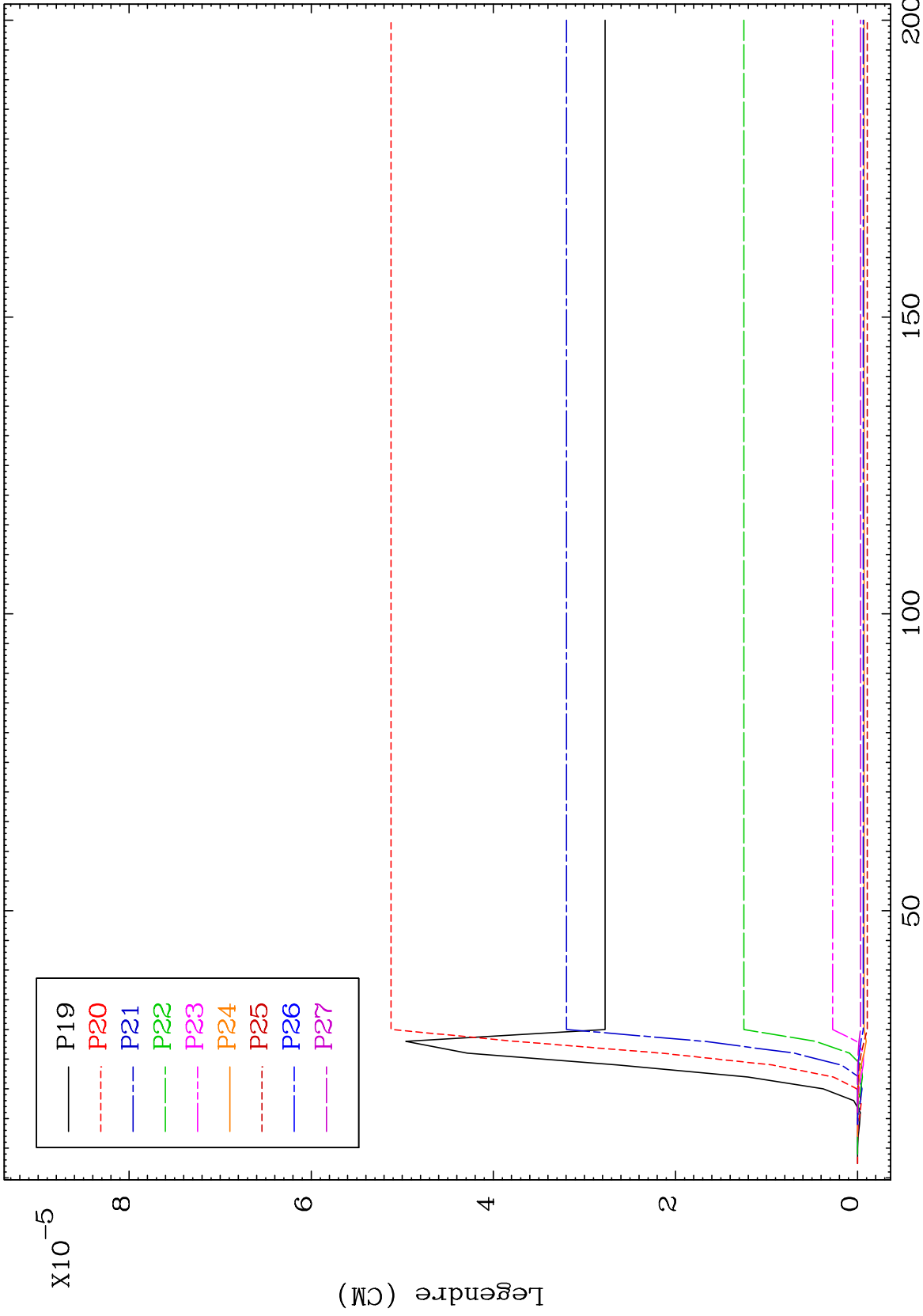
Incident Energy (MeV)

102

MAT 5707

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

57-La-132



103

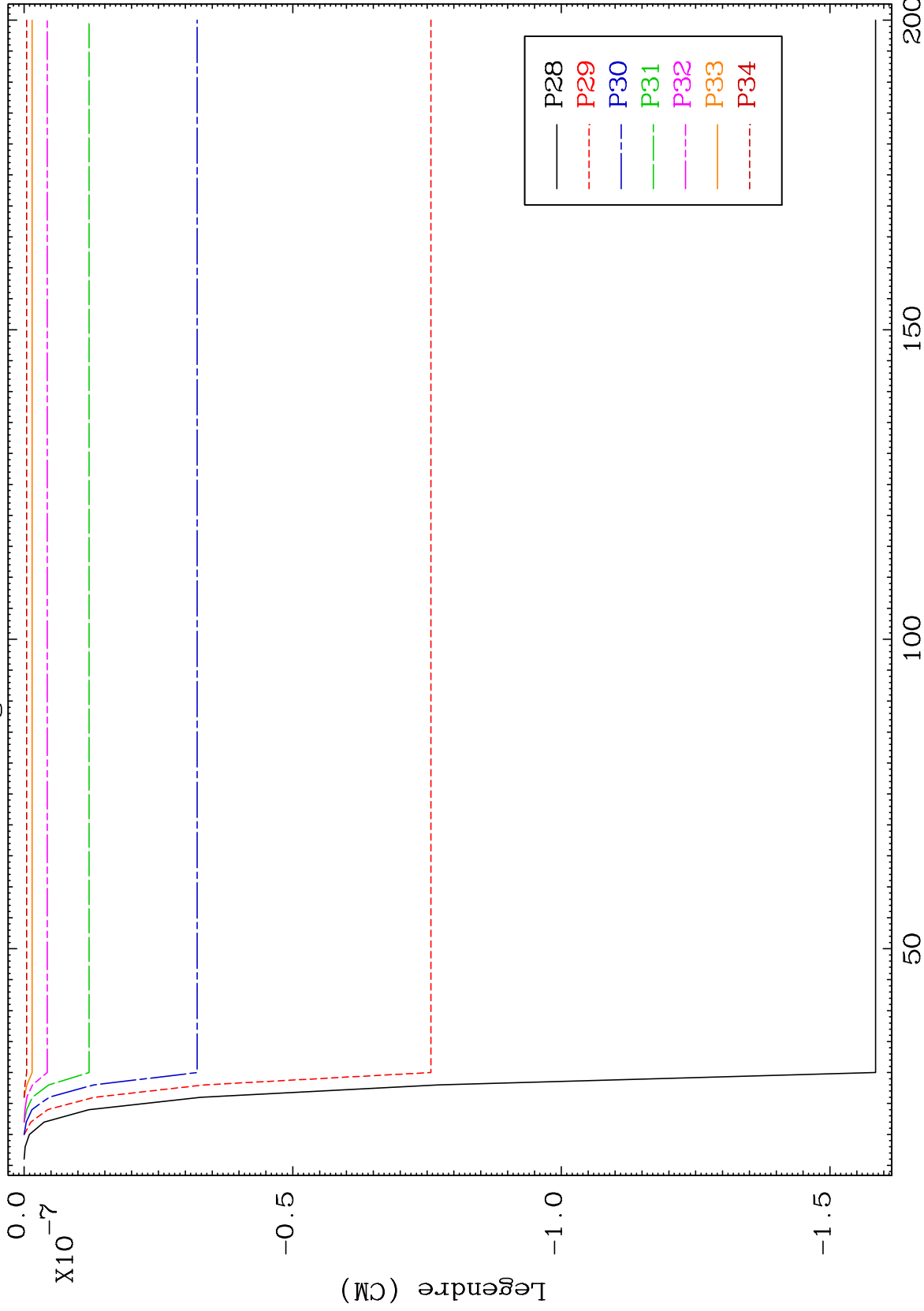
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



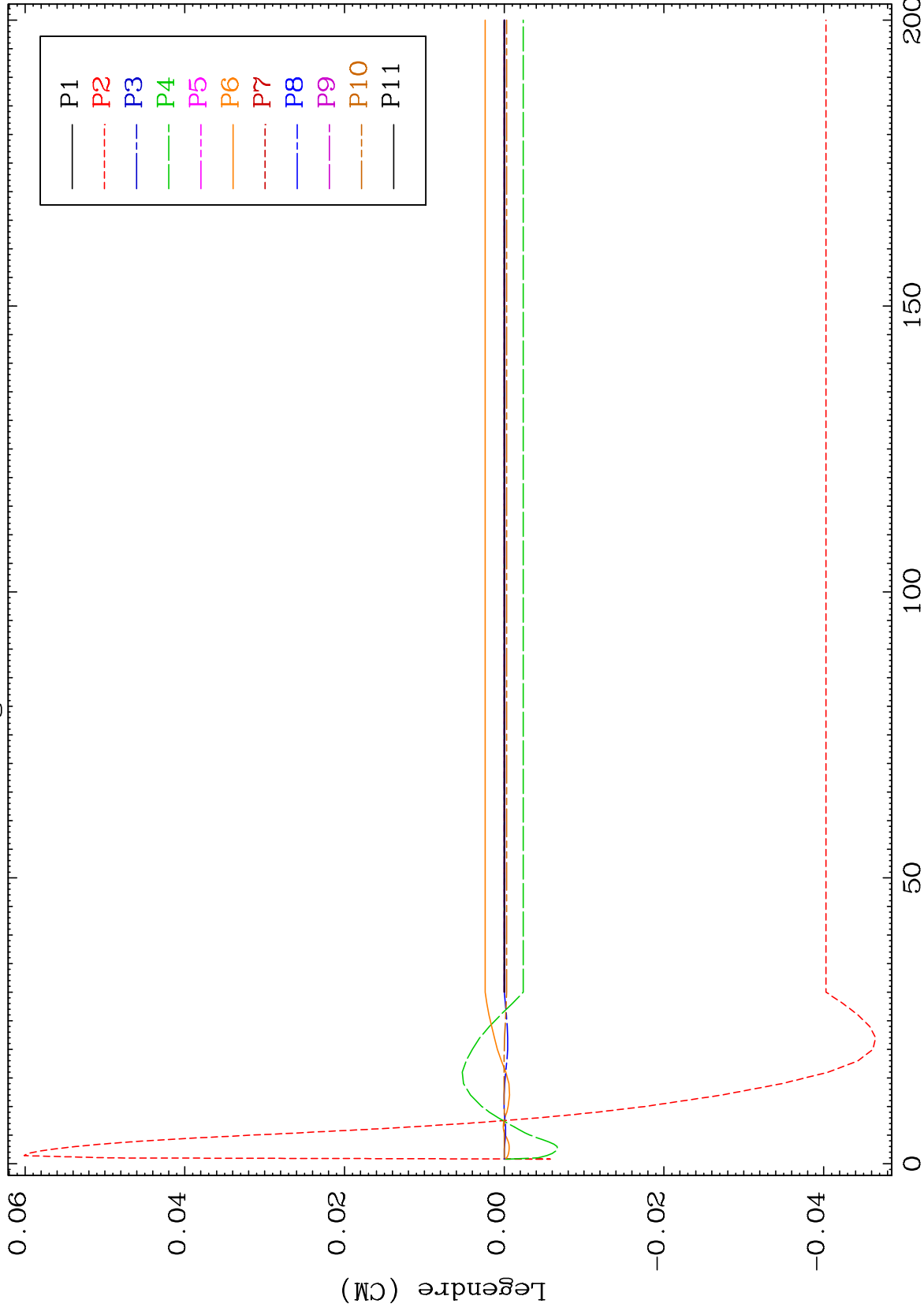
104

57-La-132

MAT 5707

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

57-La-132



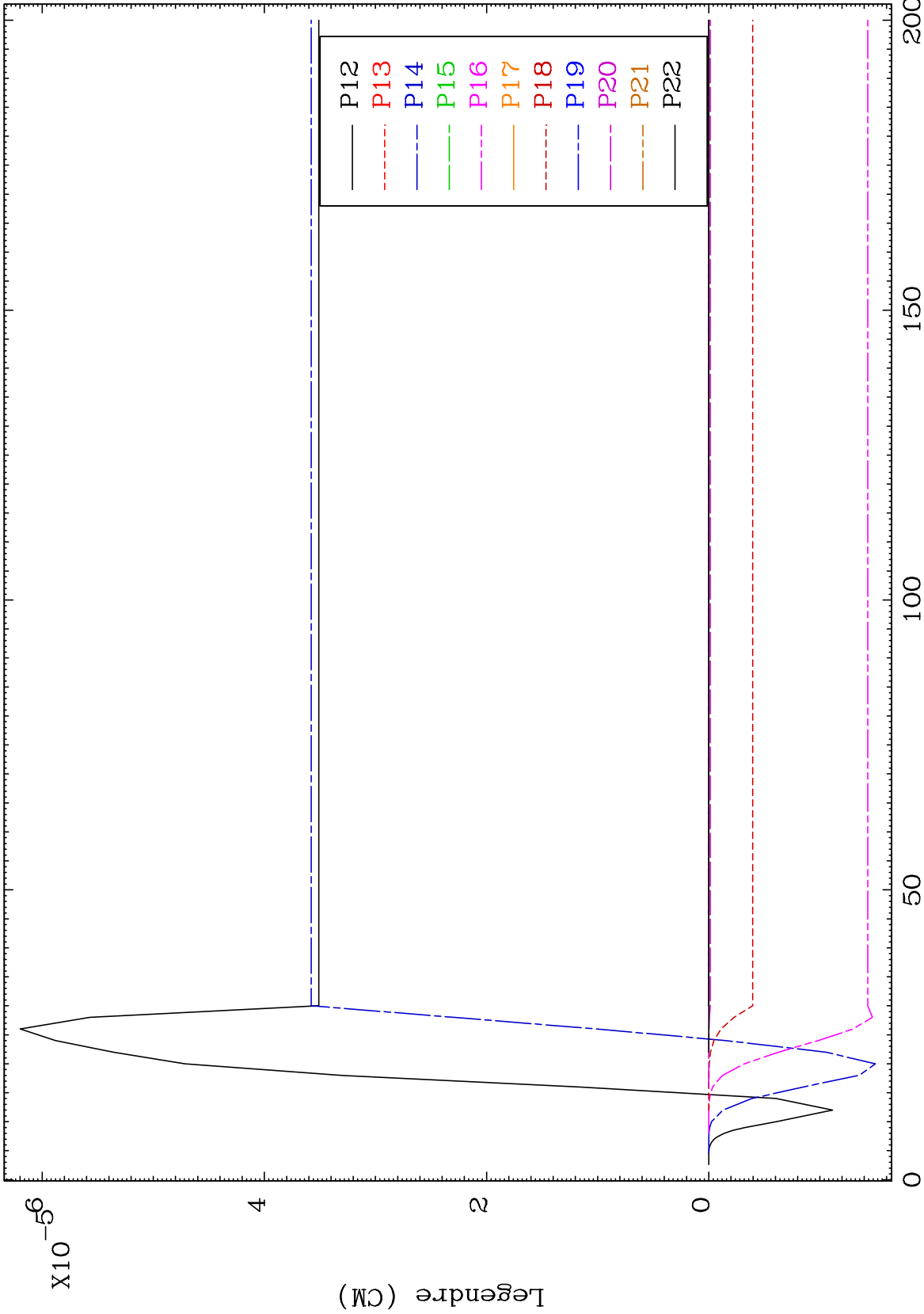
105

57-La-132

MAT 5707

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

57-La-132



106

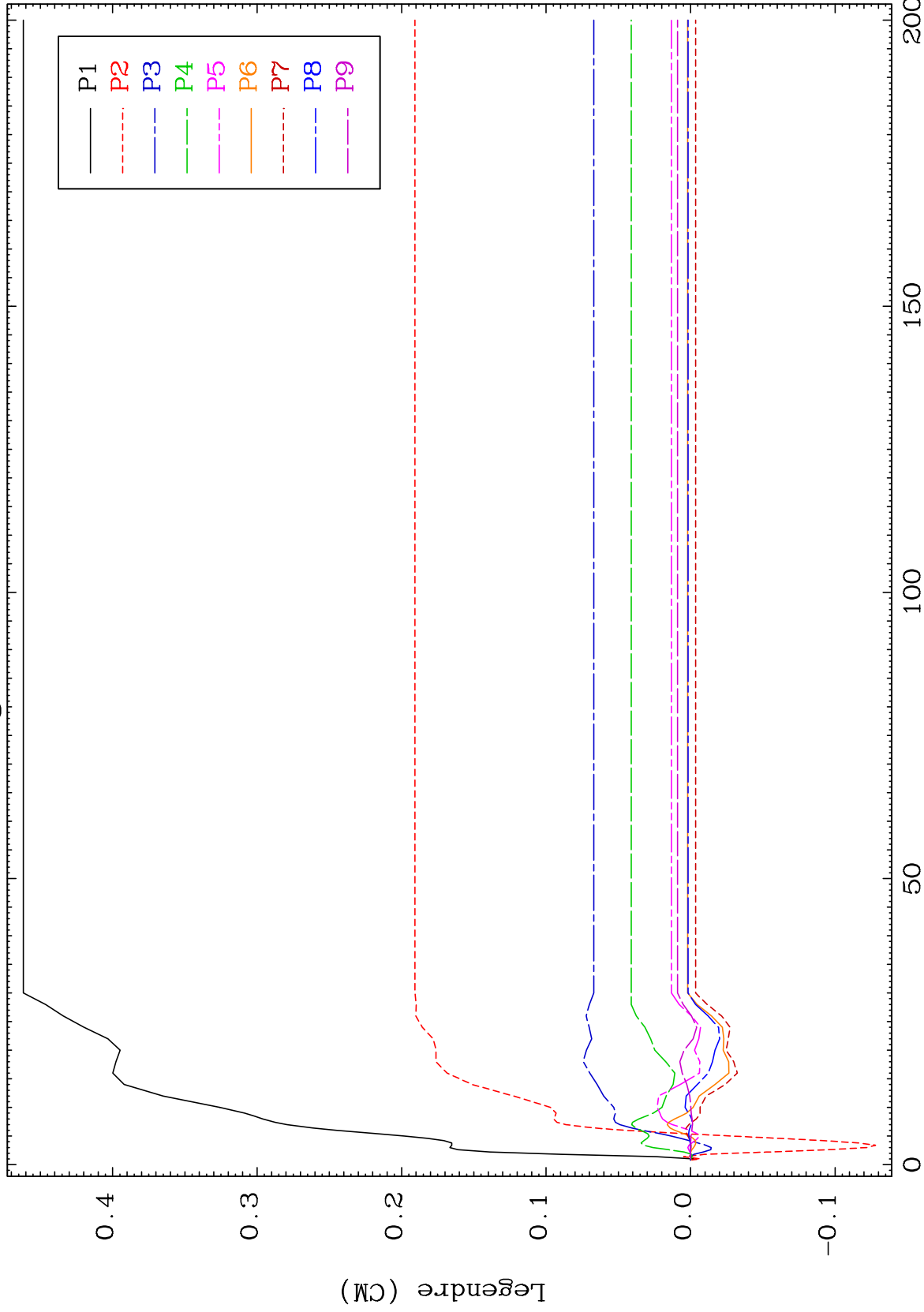
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



107

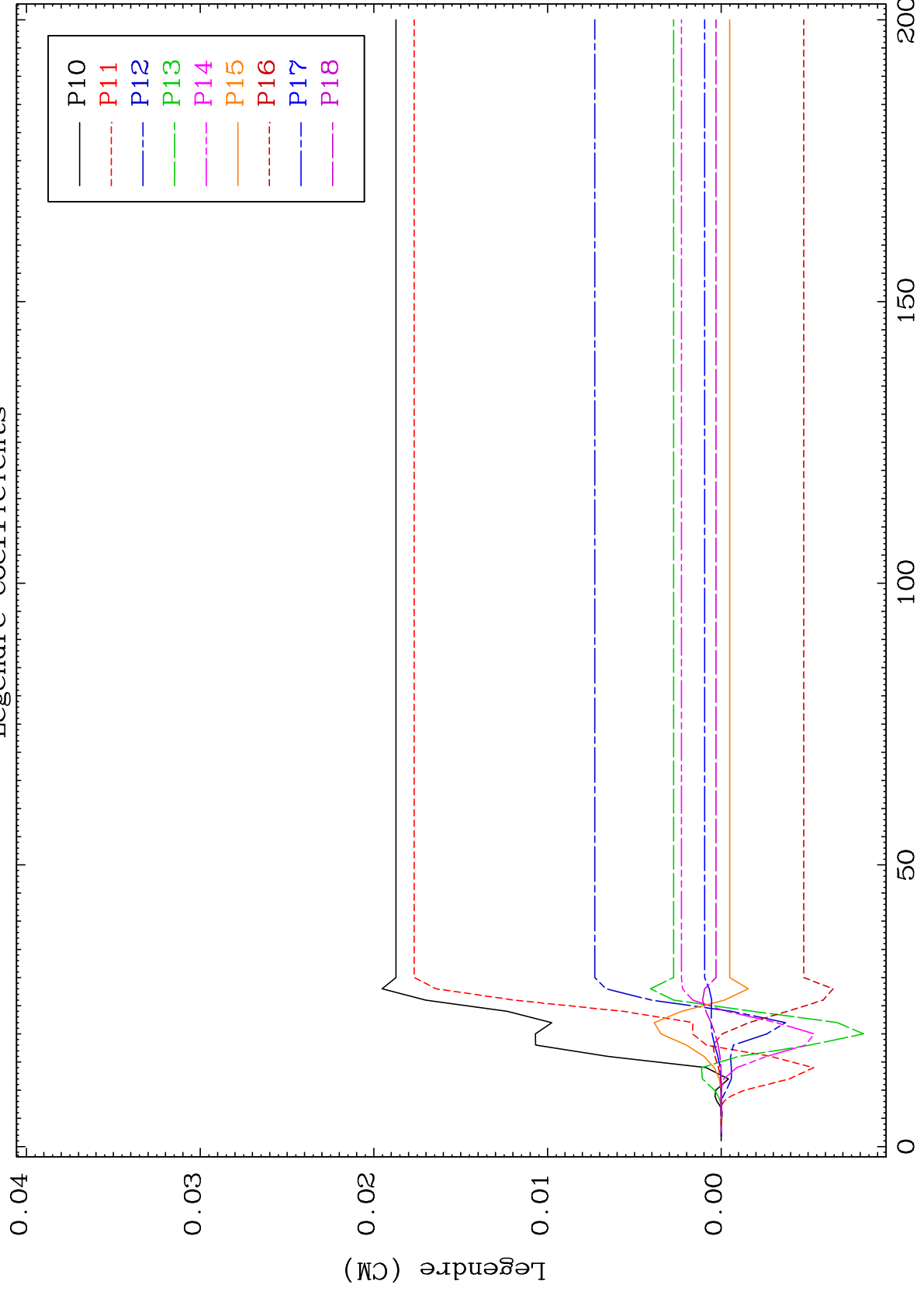
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



108

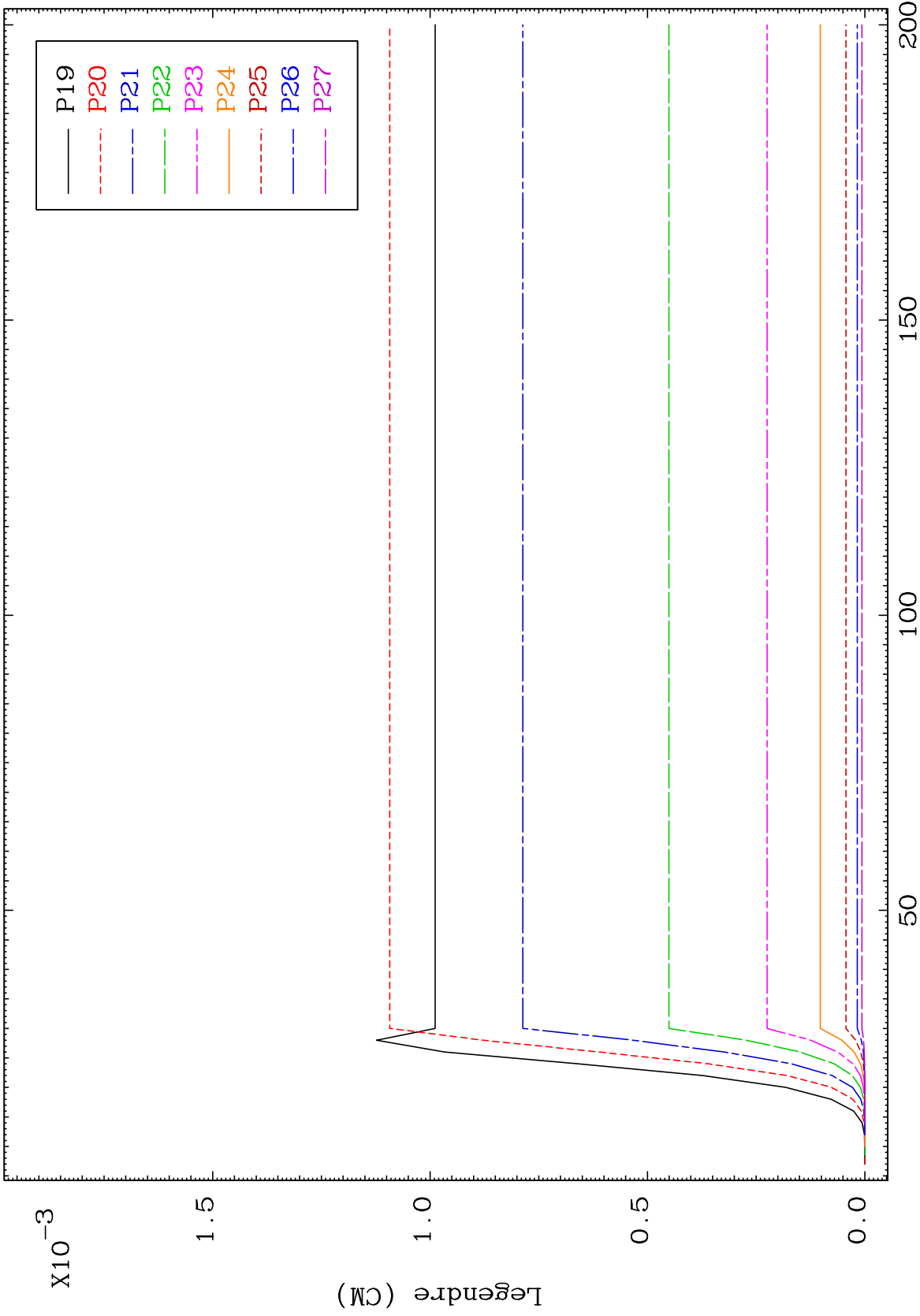
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



109

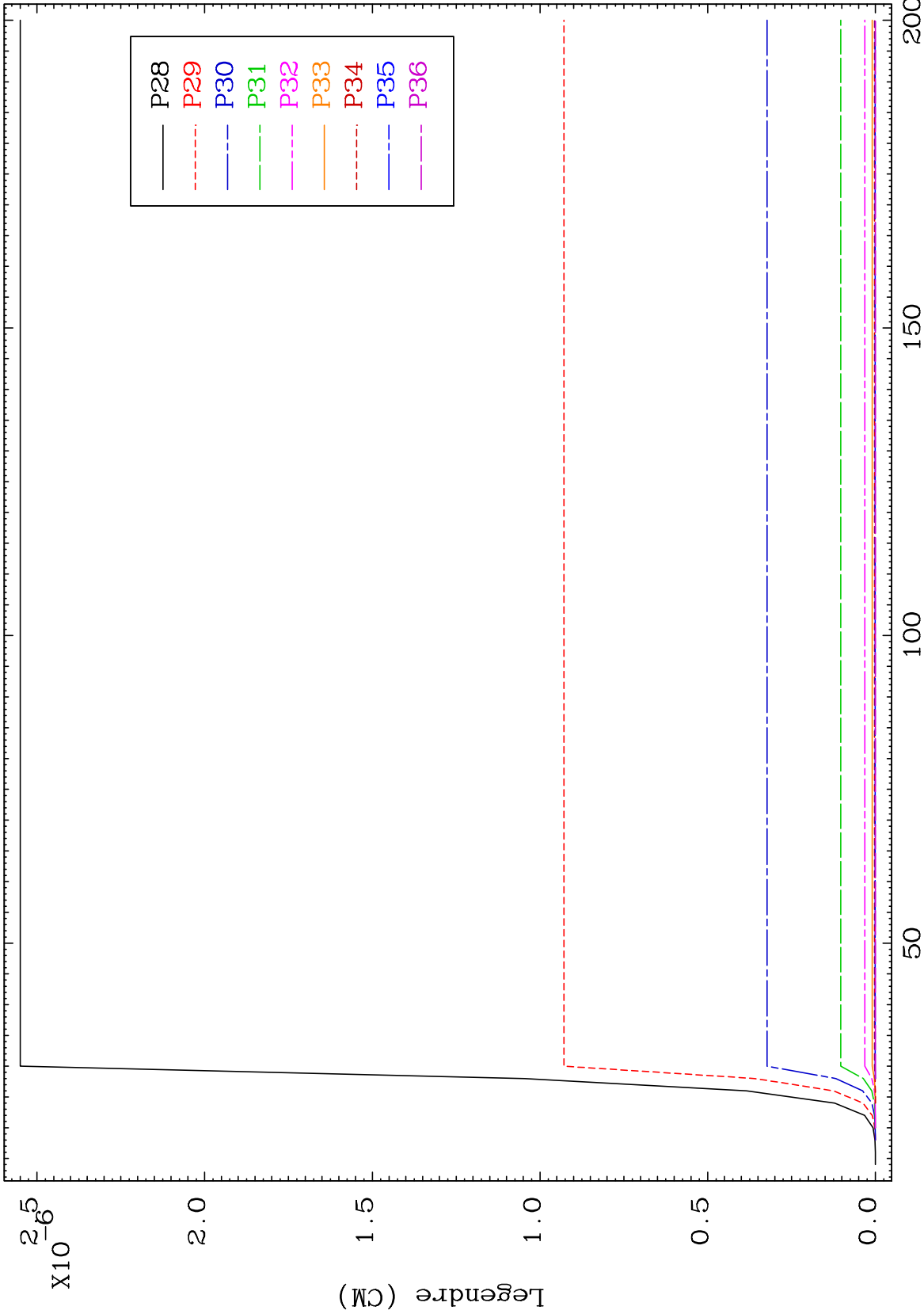
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



110

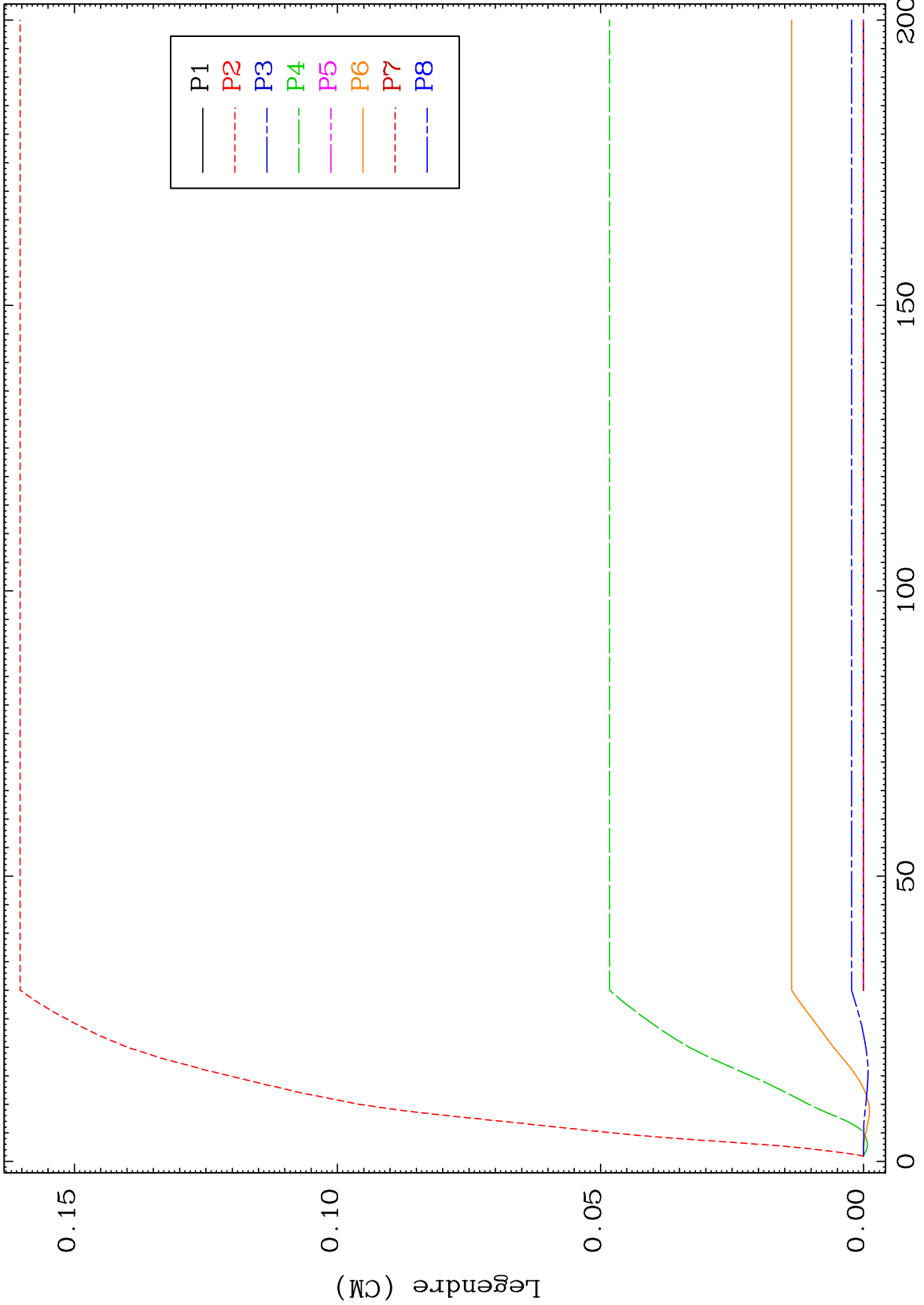
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



111

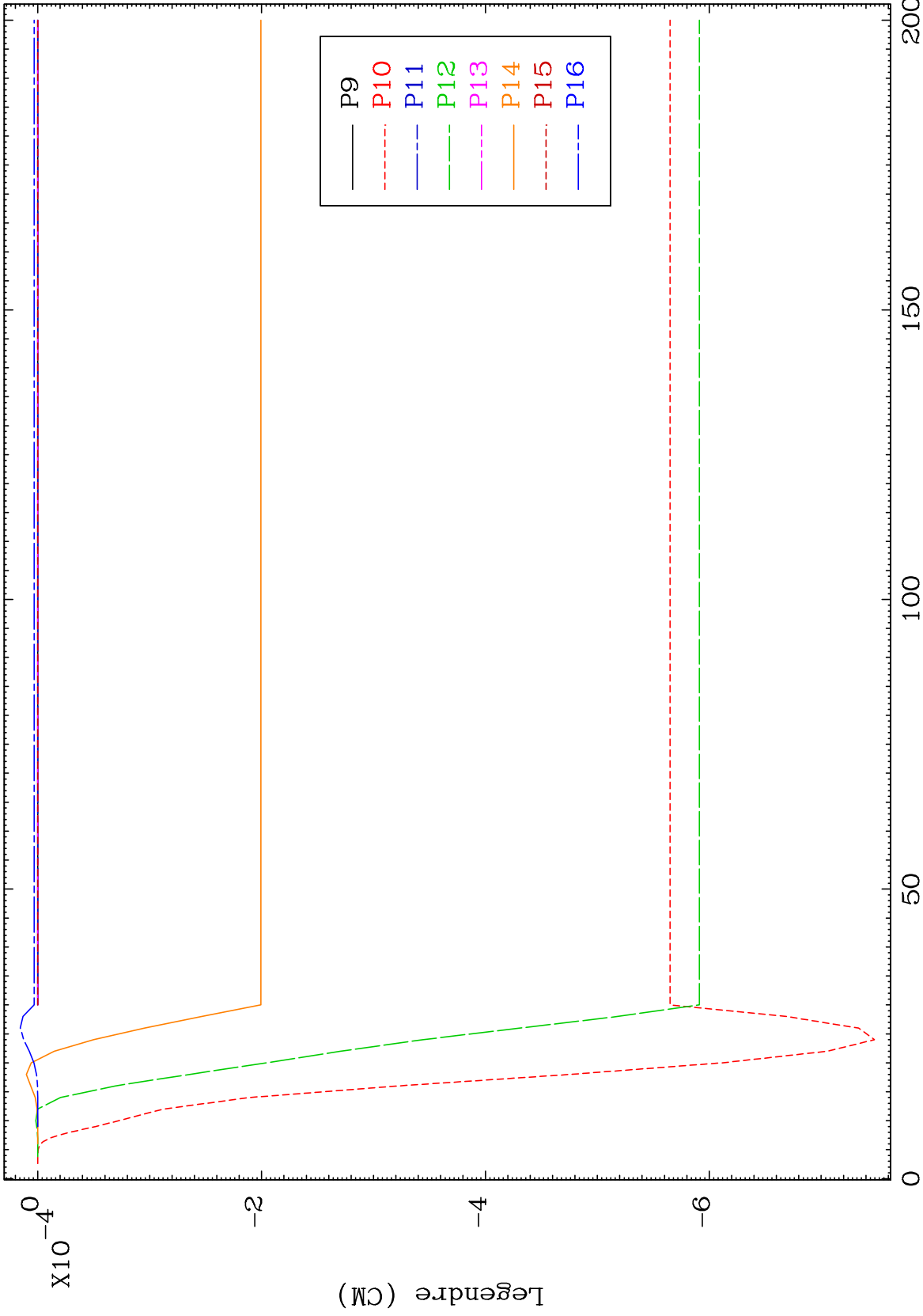
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



112

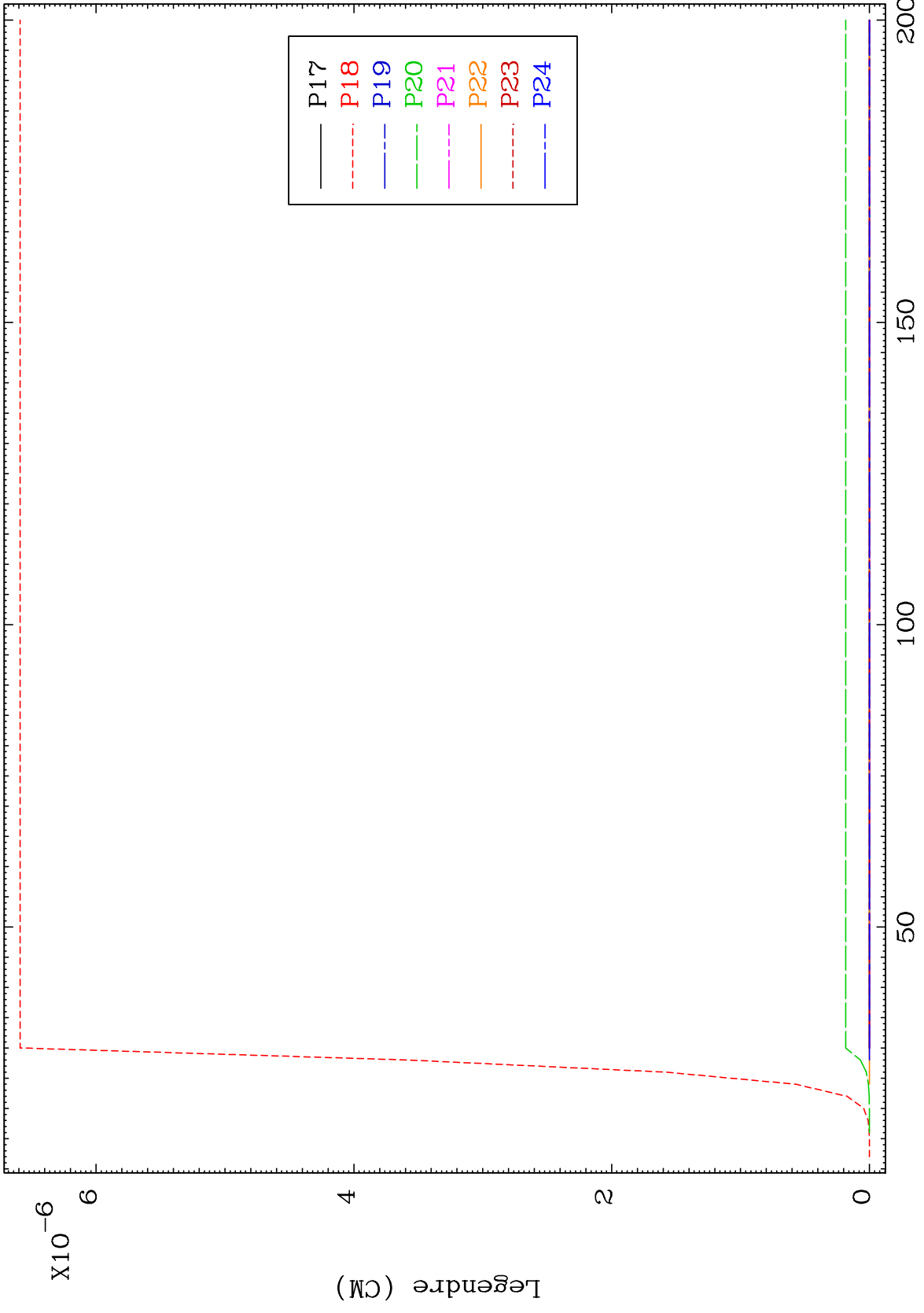
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



113

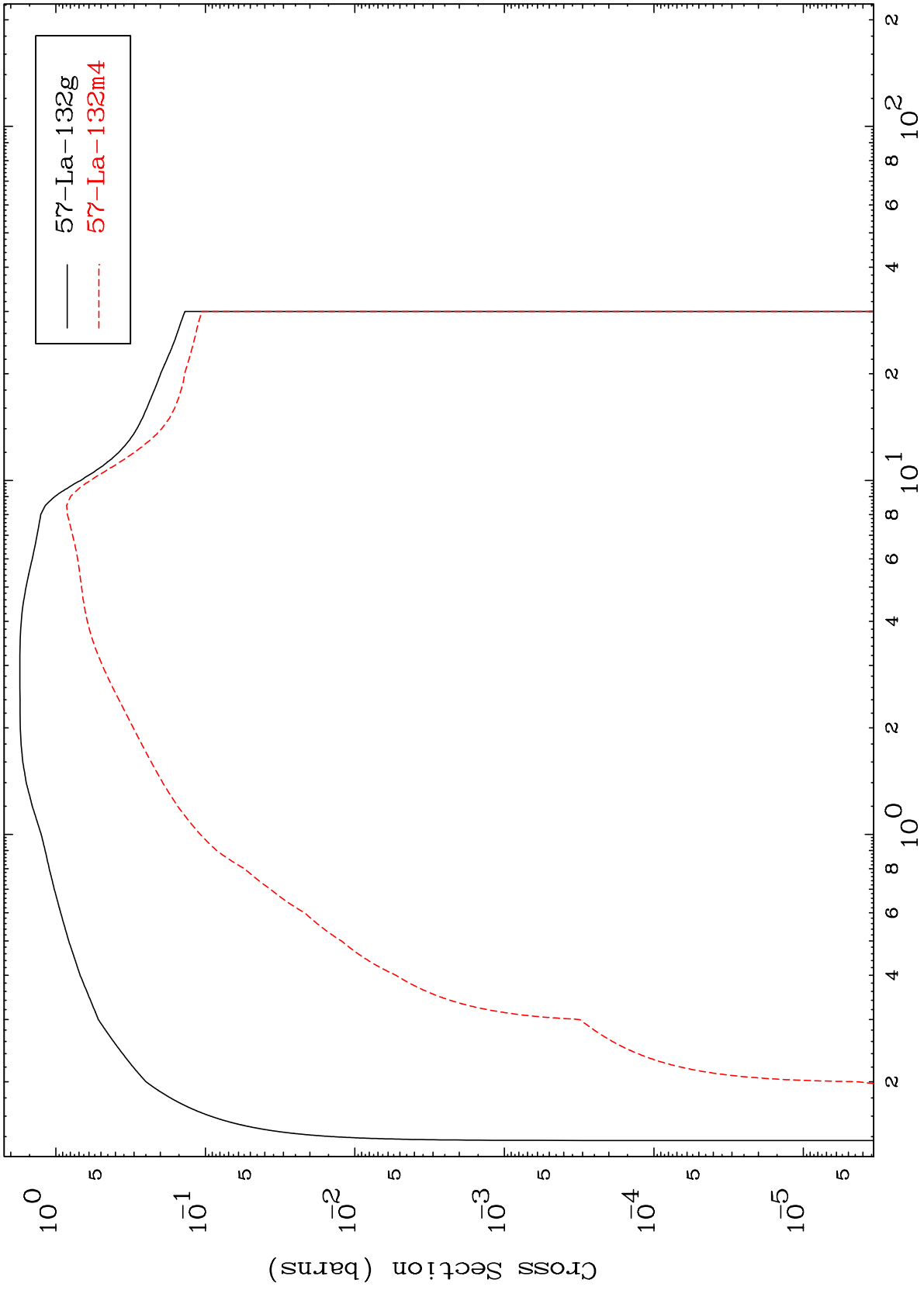
Incident Energy (MeV)

57-La-132

MAT 5707

57-La-132

Inelastic Radionuclide Production Cross Section



114

Incident Energy (MeV)

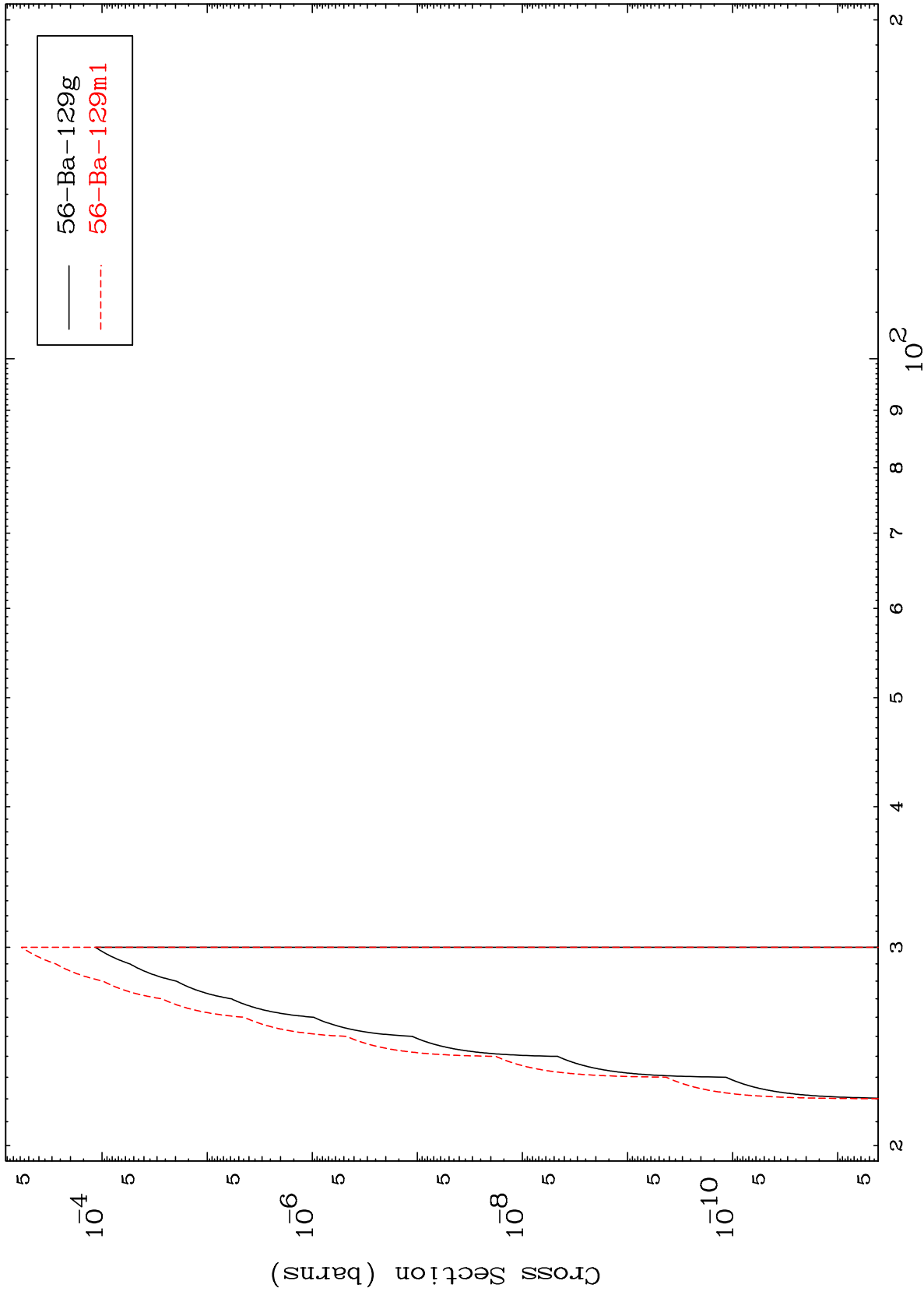
57-La-132

MAT 5707

(n,2n) d

57-La-132

Radionuclide Production Cross Section



115

Incident Energy (MeV)

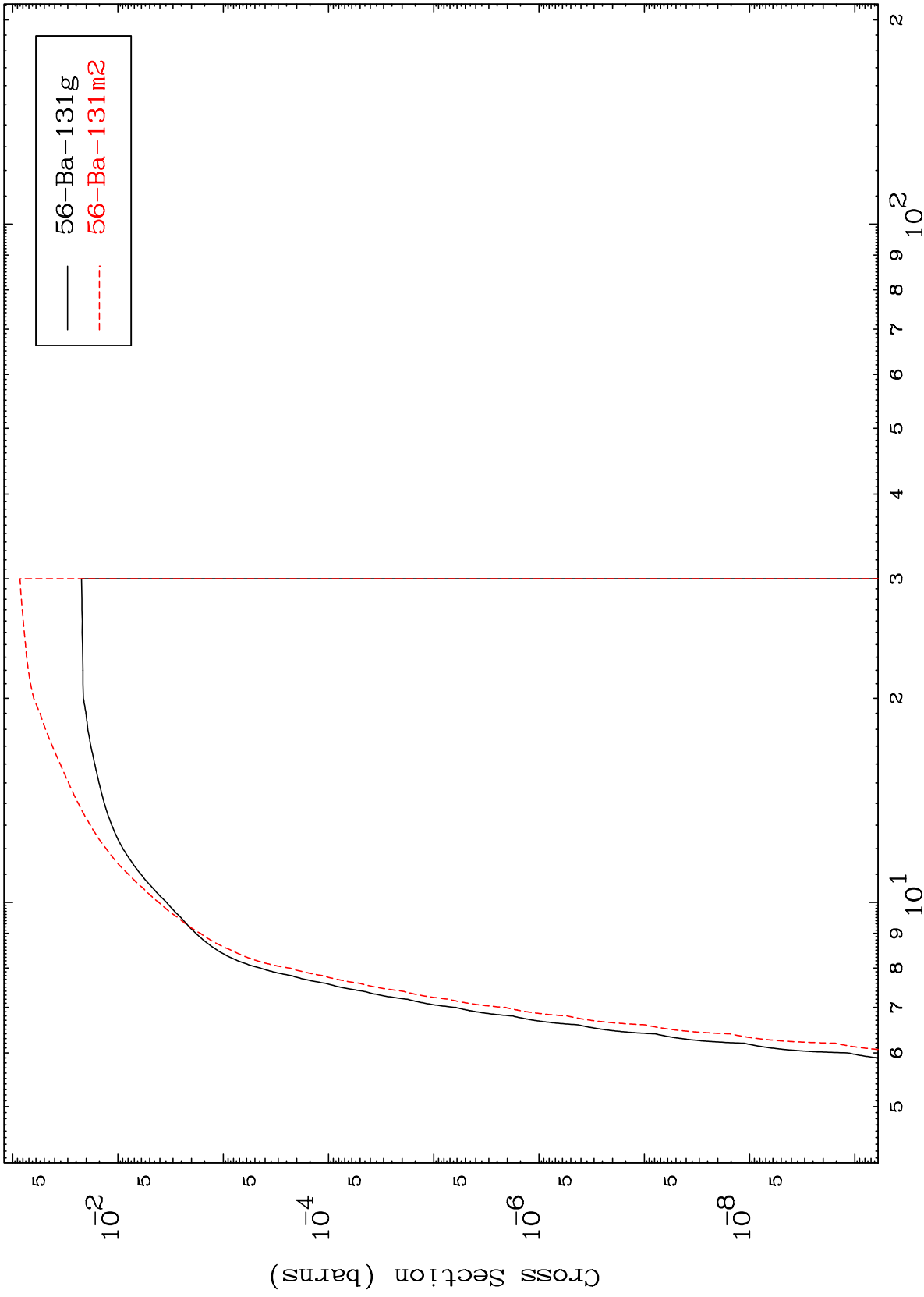
57-La-132

MAT 5707

(n,n') p

57-La-132

Radionuclide Production Cross Section



116

Incident Energy (MeV)

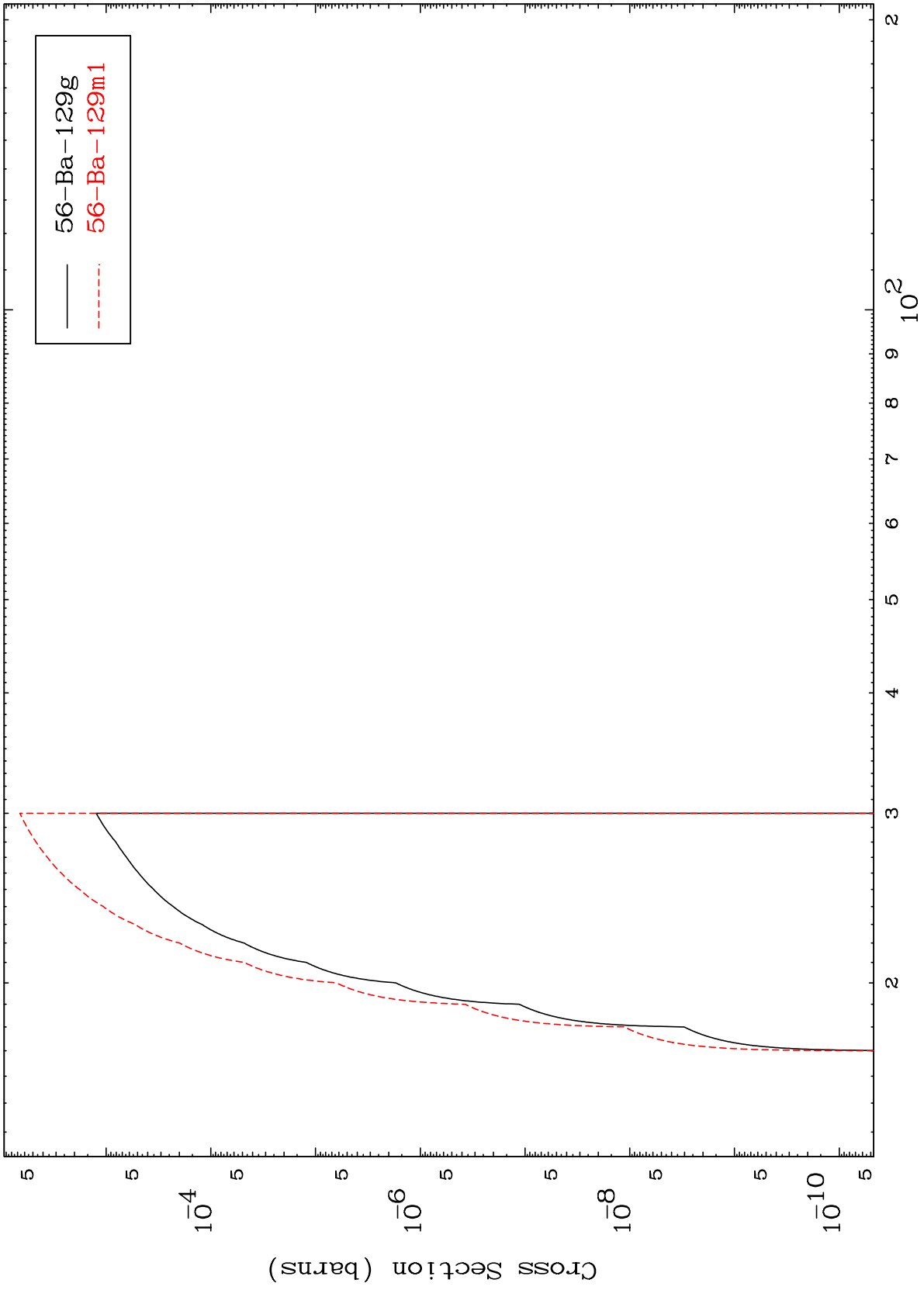
57-La-132

MAT 5707

(n,n') t

57-La-132

Radionuclide Production Cross Section



117

Incident Energy (MeV)

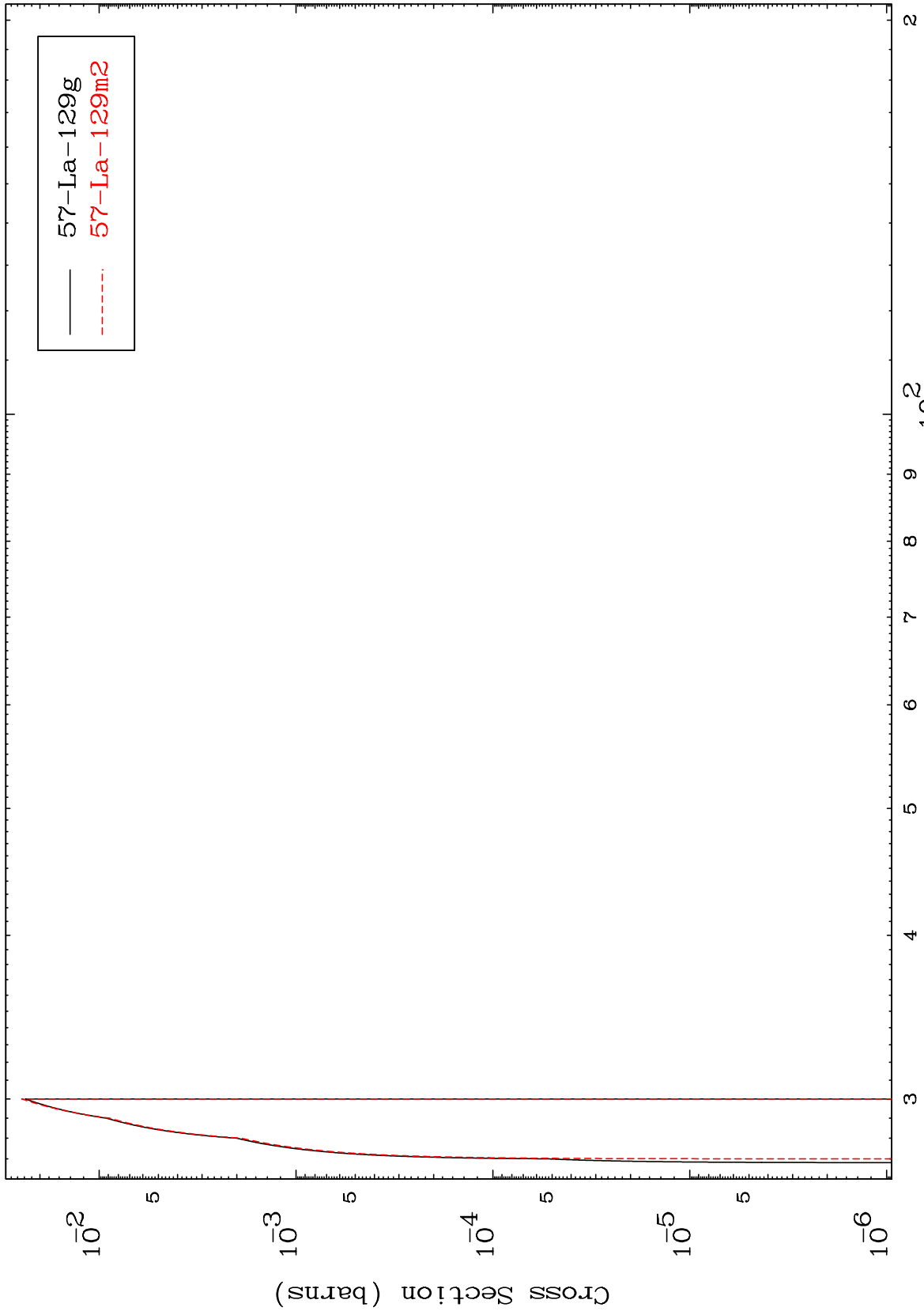
57-La-132

MAT 5707

(n,4n)

57-La-132

Radionuclide Production Cross Section



118

Incident Energy (MeV)

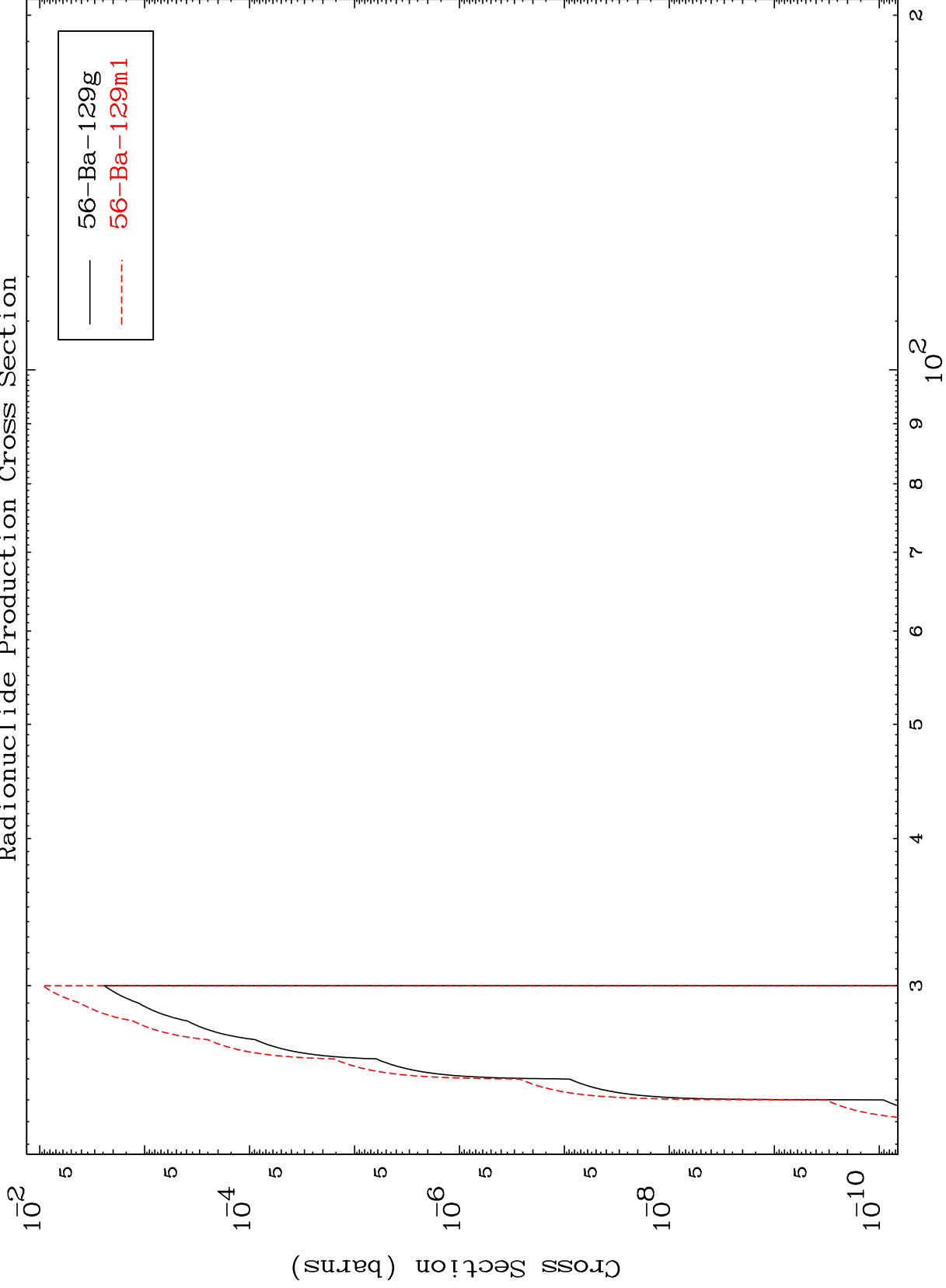
57-La-132

MAT 5707

(n,3n) p

57-La-132

Radionuclide Production Cross Section



119

Incident Energy (MeV)

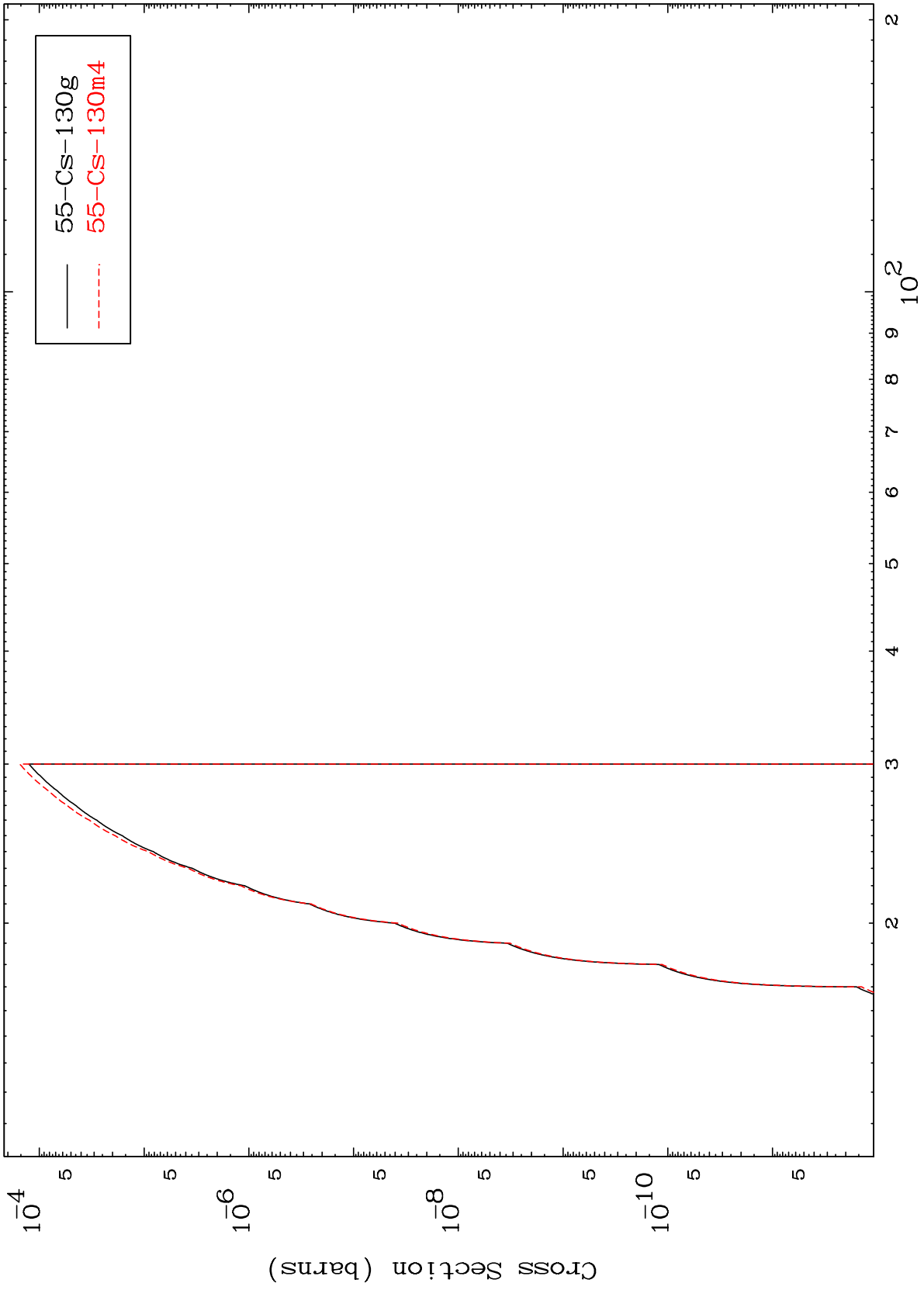
57-La-132

MAT 5707

(n,2n) p

57-La-132

Radionuclide Production Cross Section



120

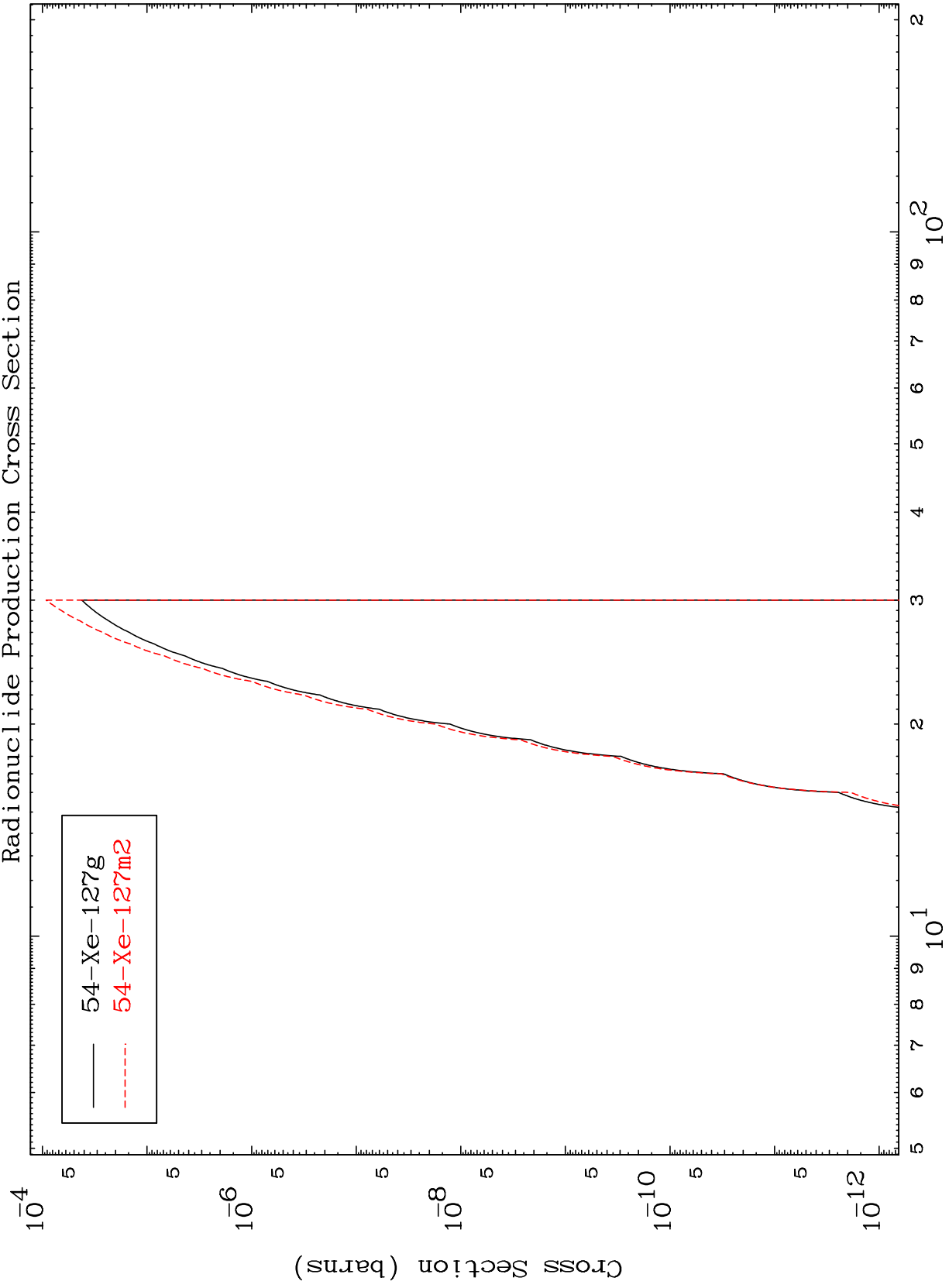
Incident Energy (MeV)

57-La-132

MAT 5707

57-La-132

(n,n') p α
Radionuclide Production Cross Section



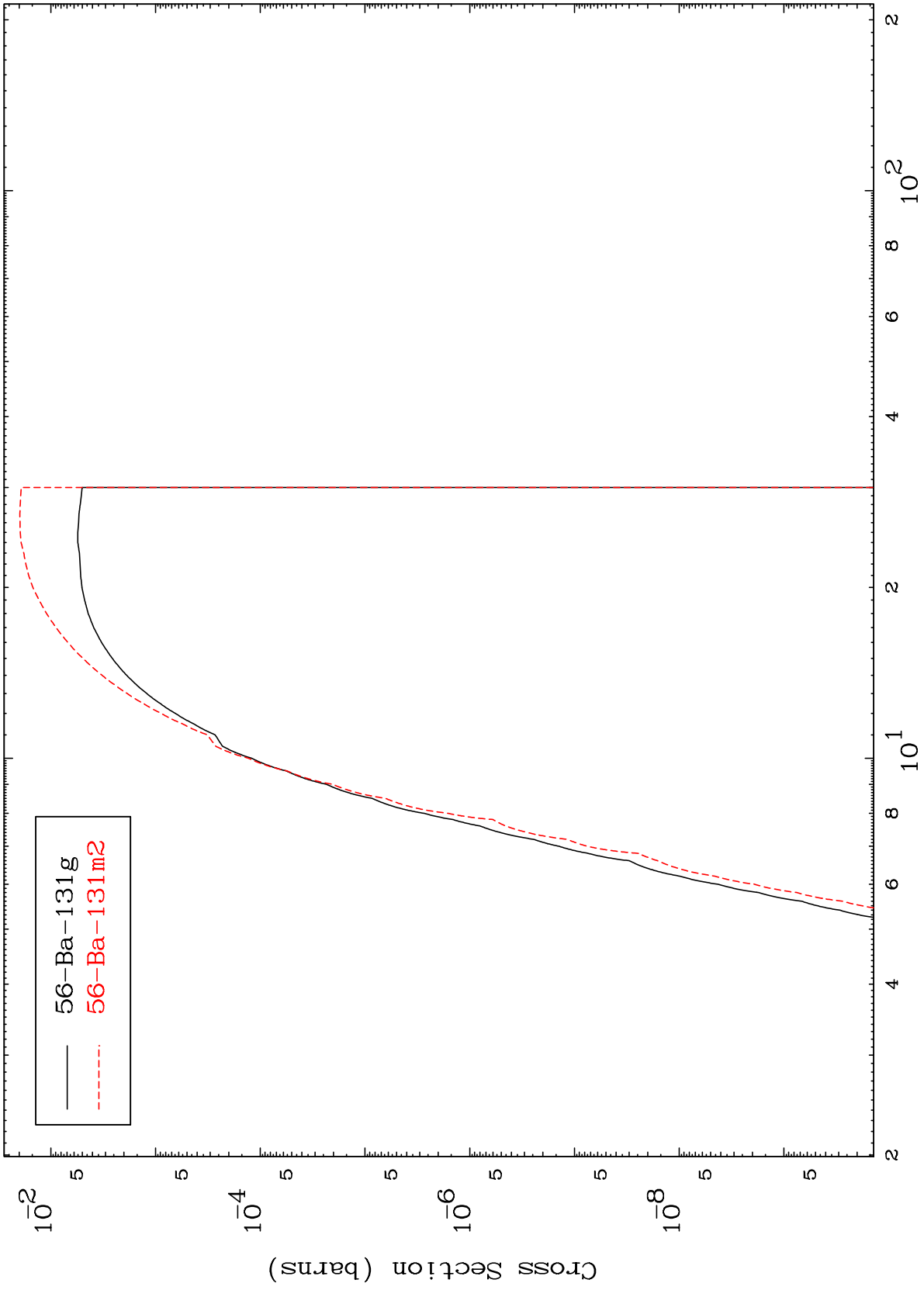
121

57-La-132

MAT 5707

57-La-132

(n,d)
Radionuclide Production Cross Section



122

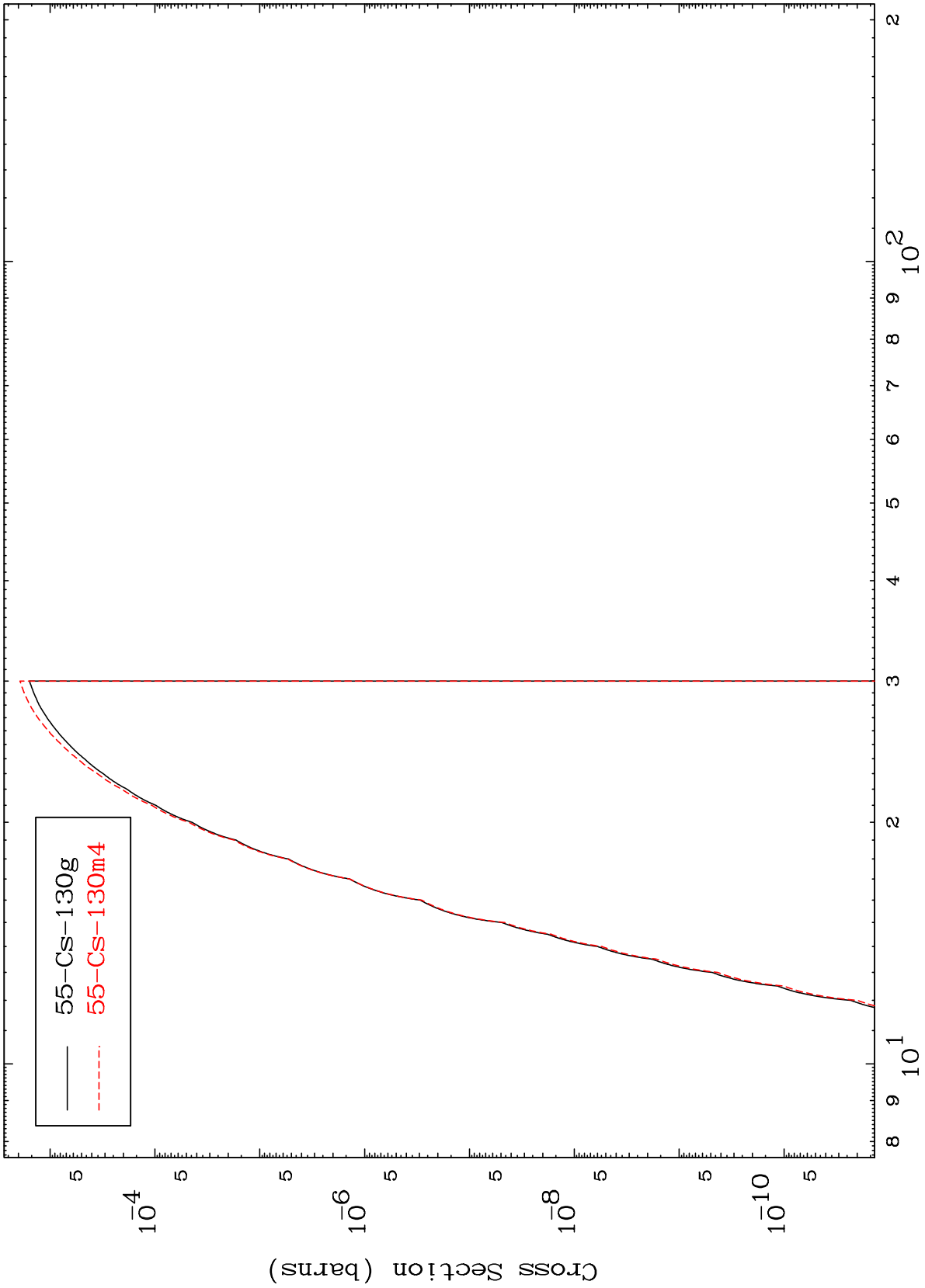
57-La-132

MAT 5707

(n, He-3)

57-La-132

Radionuclide Production Cross Section



123

Incident Energy (MeV)

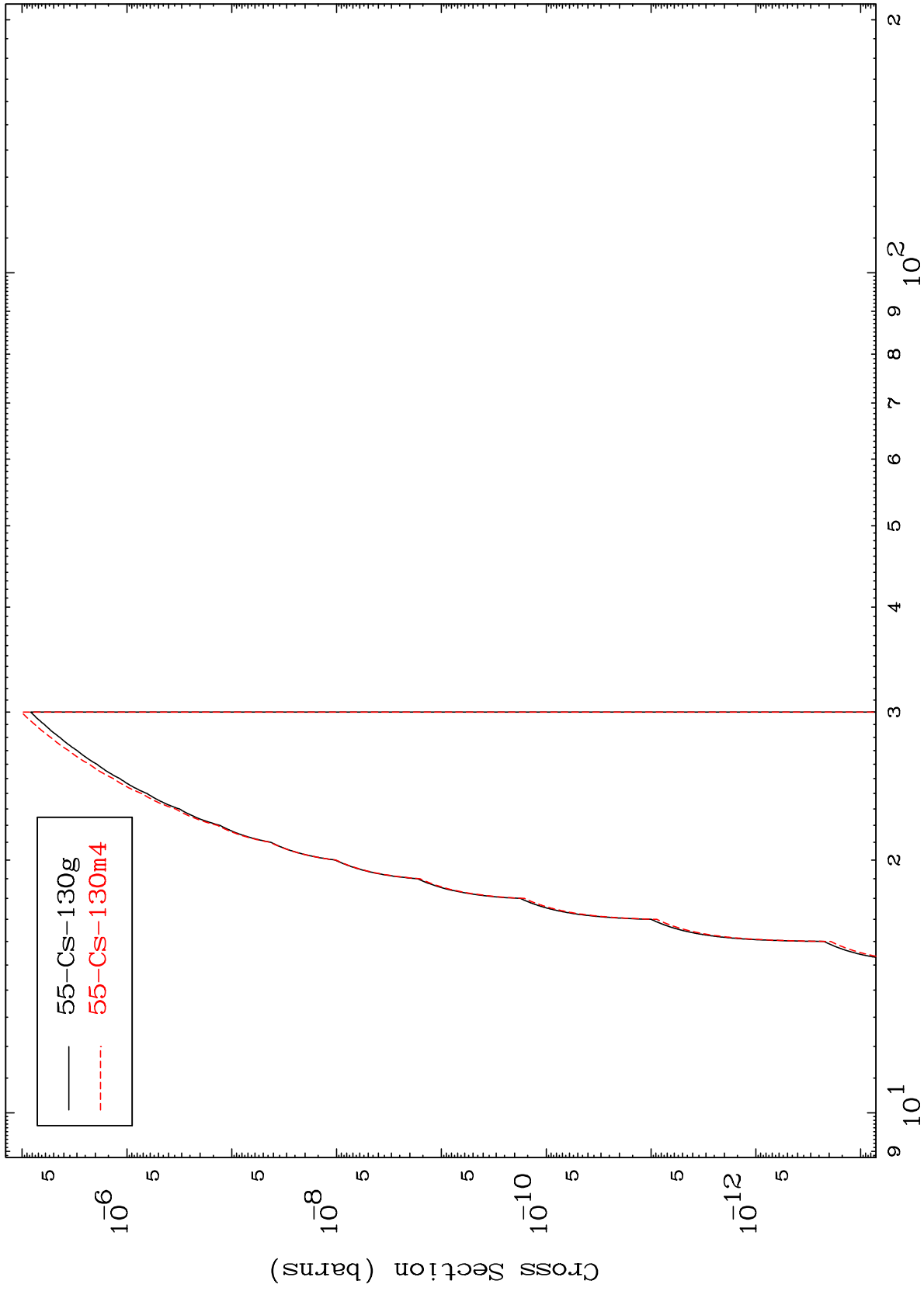
57-La-132

MAT 5707

(n,p) d

57-La-132

Radionuclide Production Cross Section



124

Incident Energy (MeV)

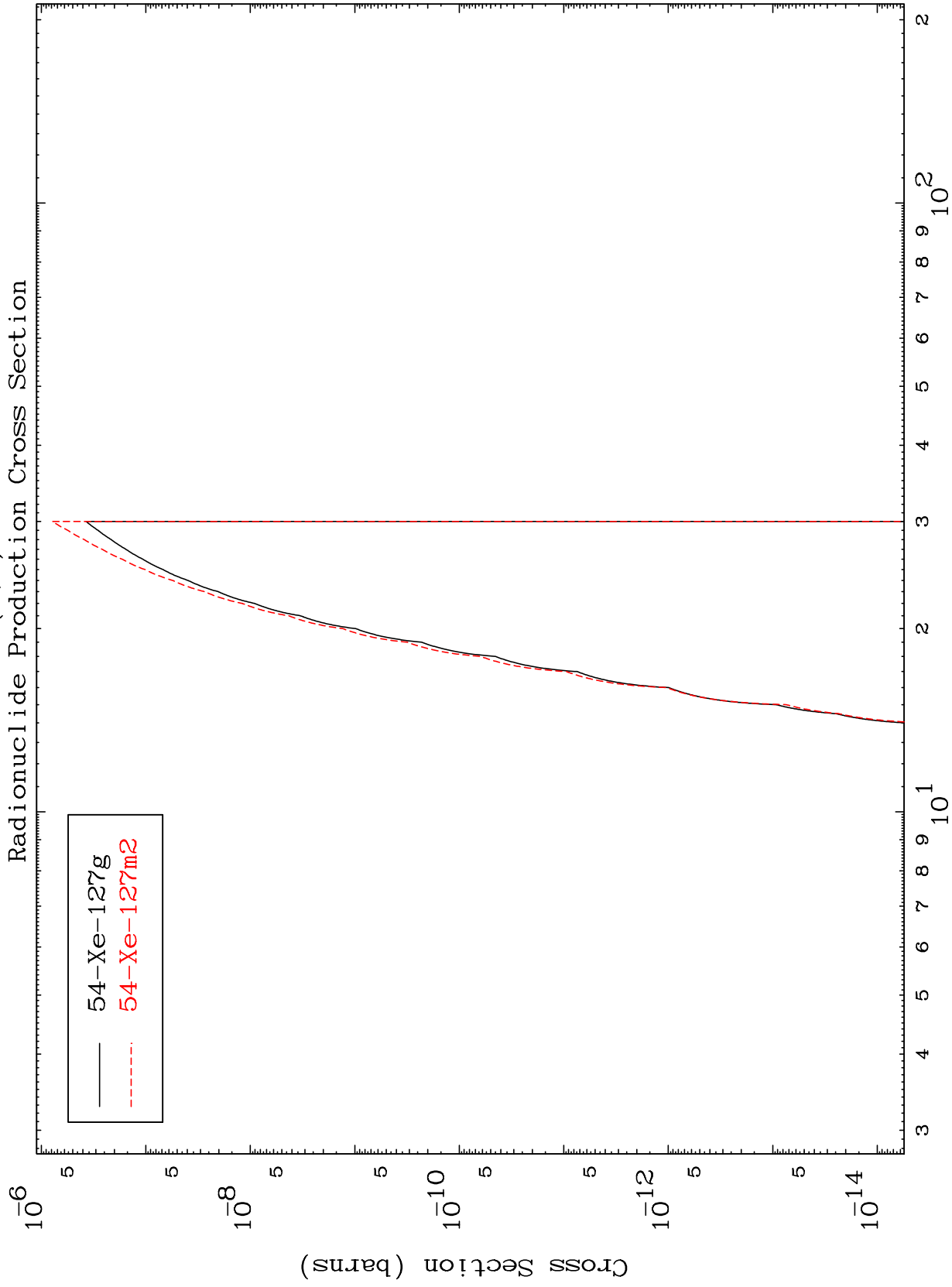
57-La-132

MAT 5707

(n,d) α

57-La-132

Radionuclide Production Cross Section



54-Xe-127g
54-Xe-127m2

125

Incident Energy (MeV)

57-La-132