

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

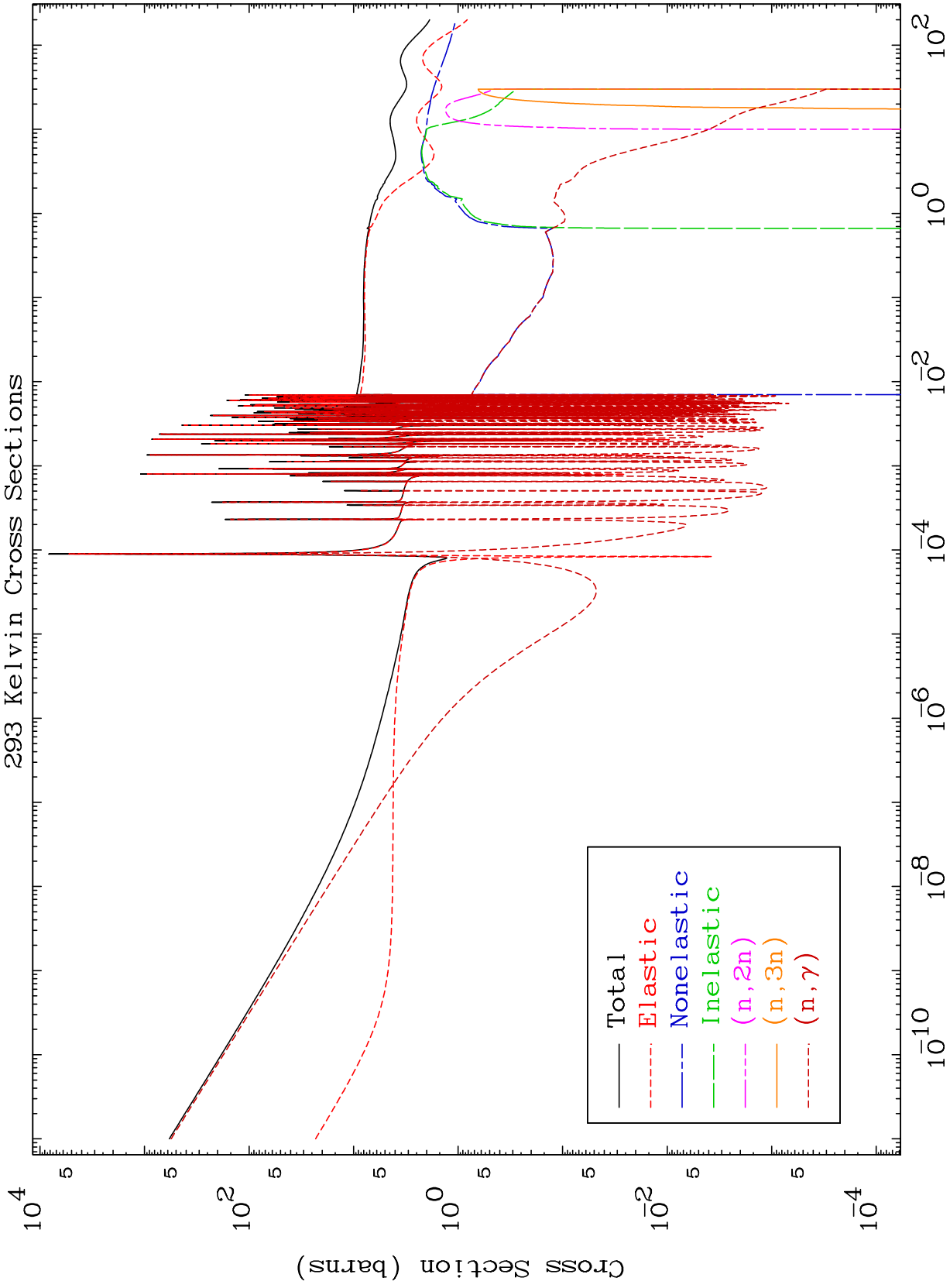
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4837

Neutron Major
293 Kelvin Cross Sections

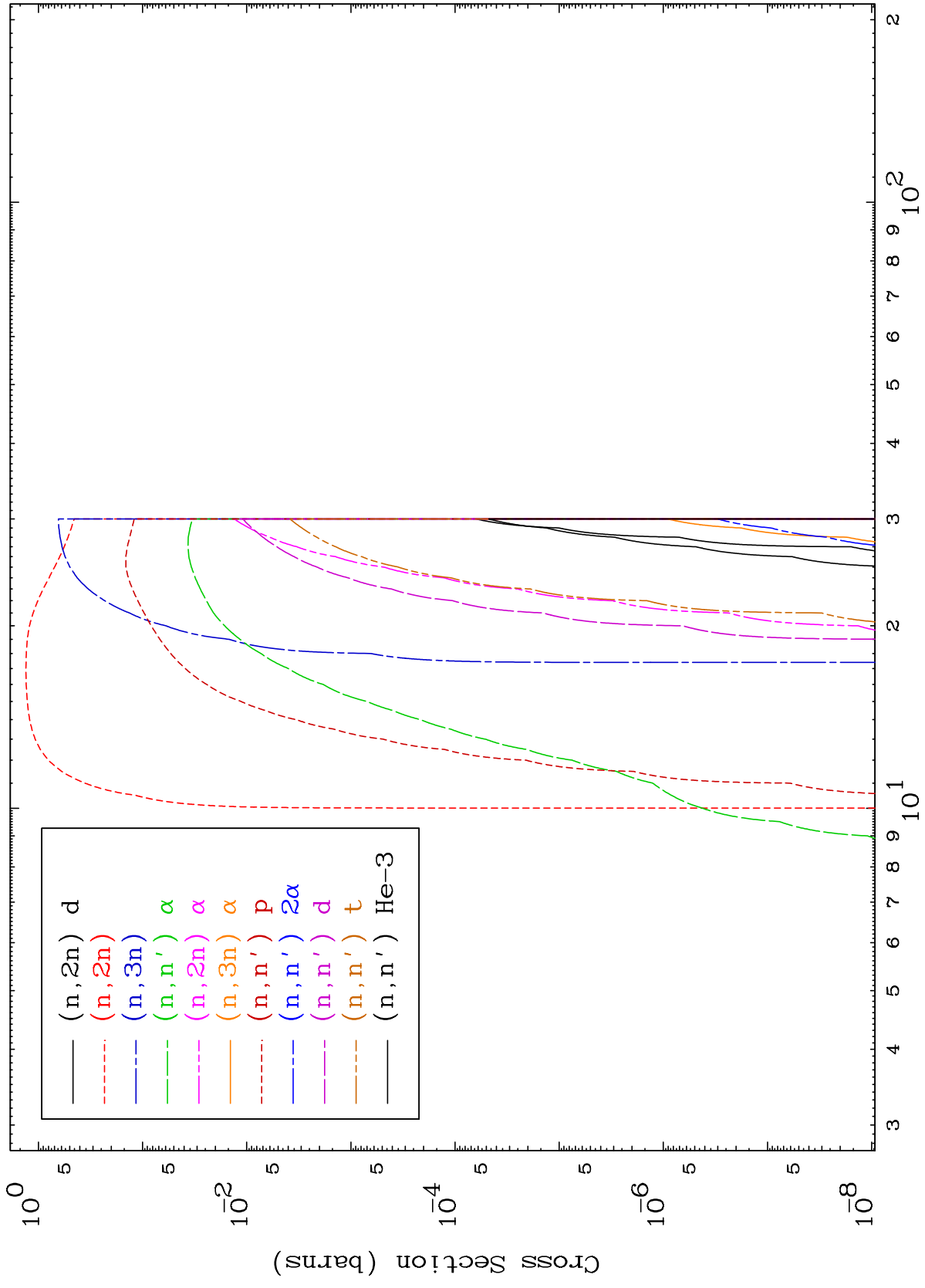
48-Cd-110



MAT 4837

Neutron Absorption
293 Kelvin Cross Sections

48-Cd-110



2

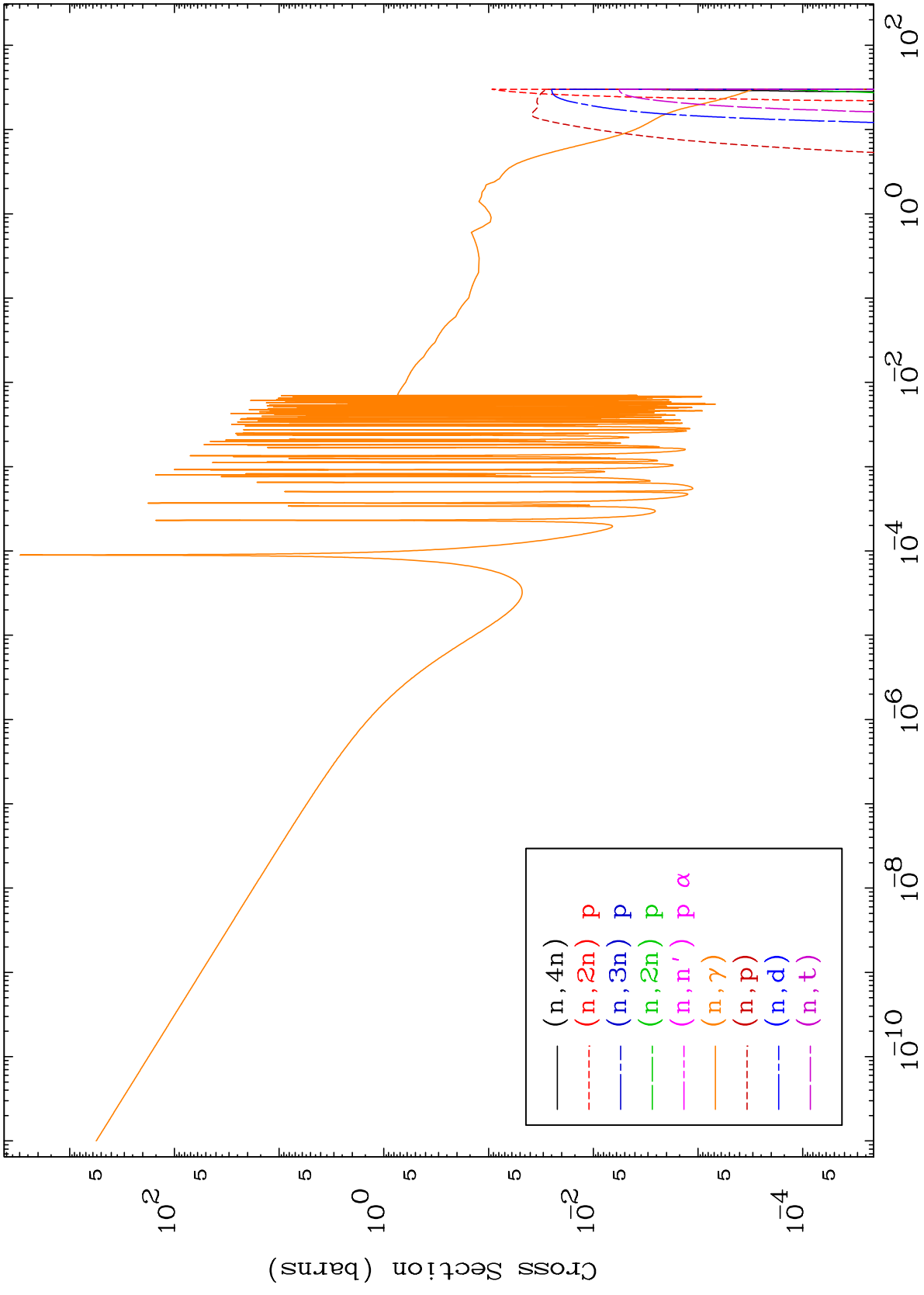
Incident Energy (MeV)

48-Cd-110

MAT 4837

Neutron Absorption
293 Kelvin Cross Sections

48-Cd-110



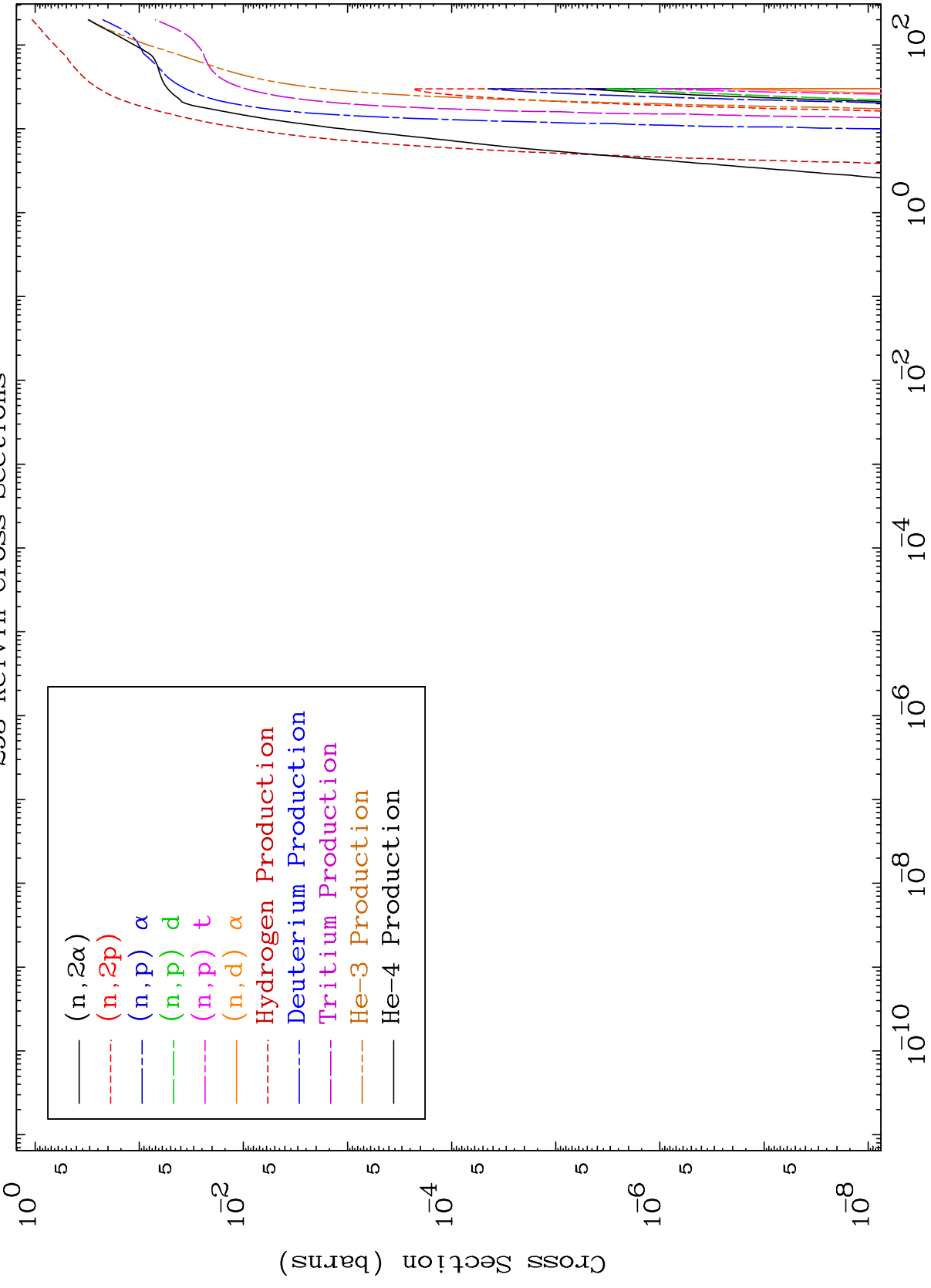
48-Cd-110

Incident Energy (MeV)

MAT 4837

Neutron Absorption
293 Kelvin Cross Sections

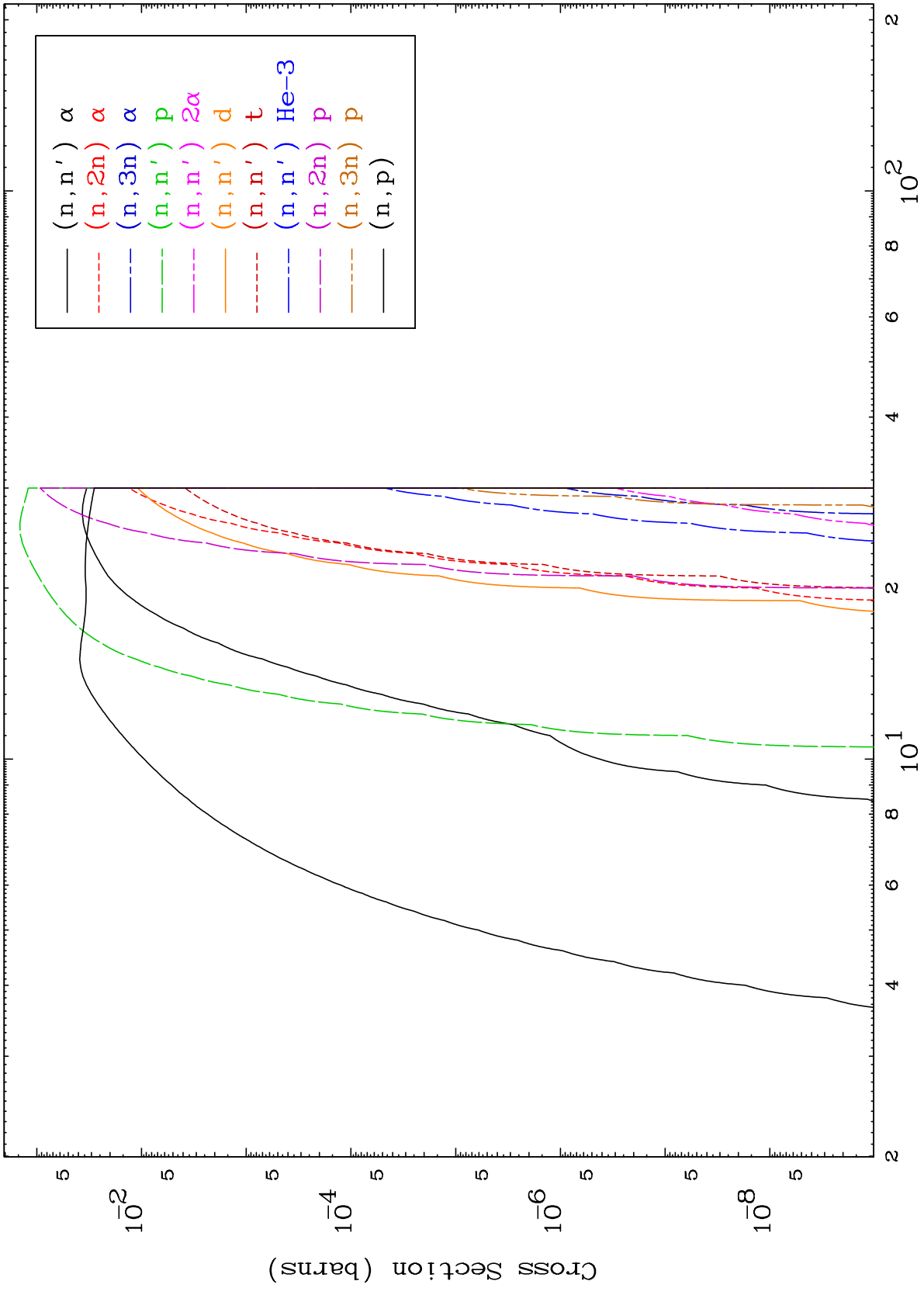
48-Cd-110



MAT 4837

Charged Particle
293 Kelvin Cross Sections

48-Cd-110



5

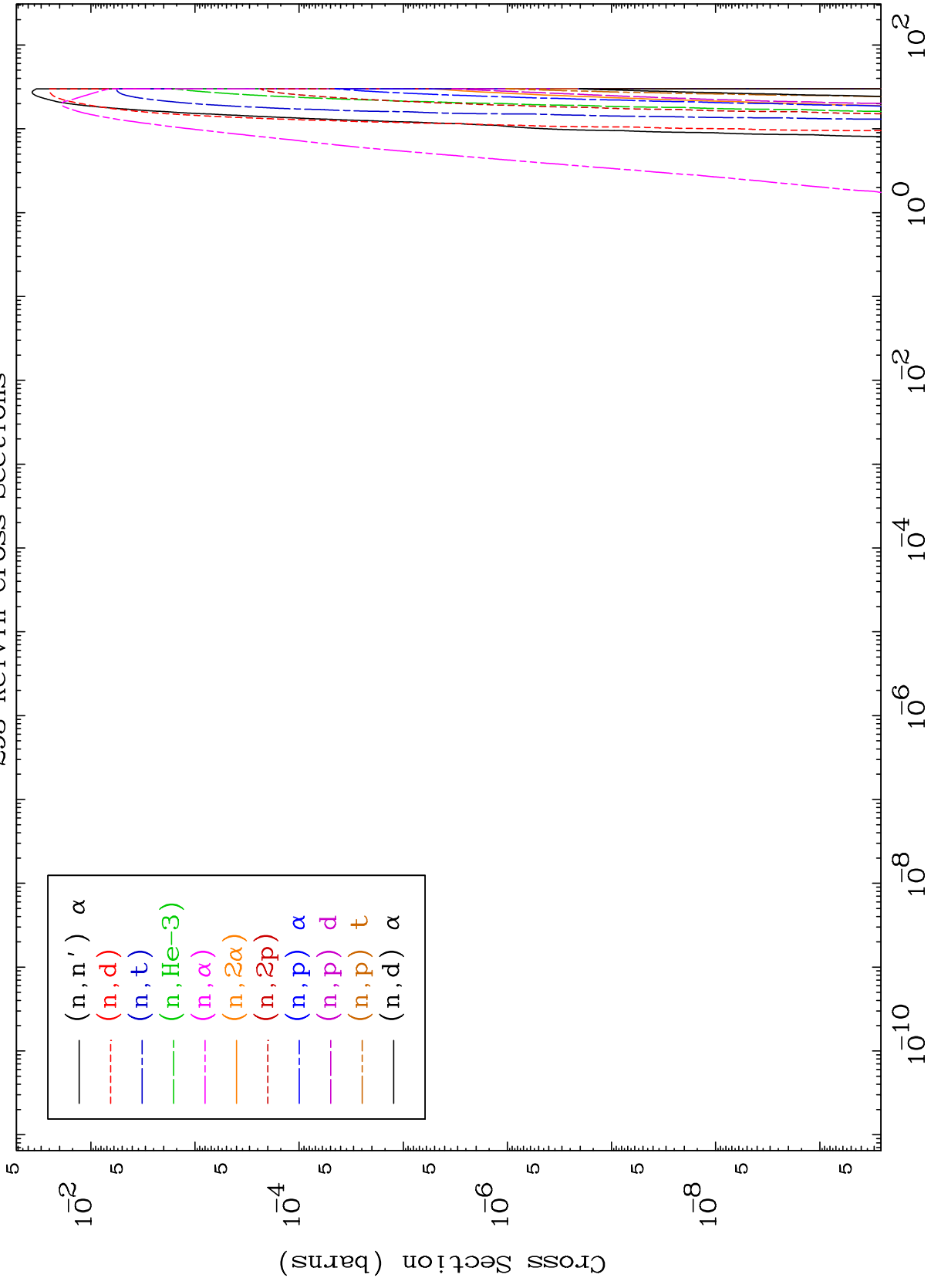
Incident Energy (MeV)

48-Cd-110

MAT 4837

293 Charged Particle
Kelvin Cross Sections

48-Cd-110

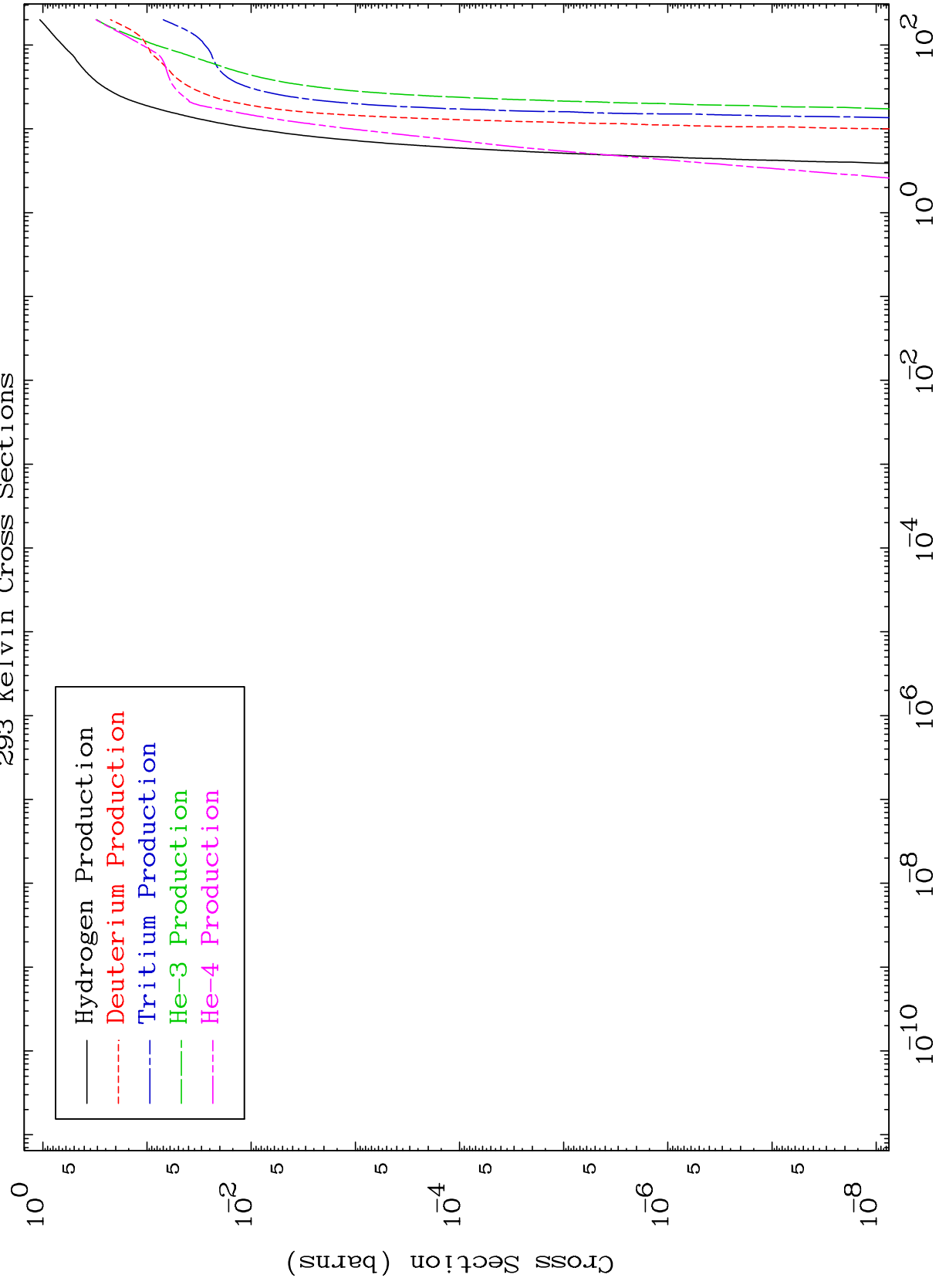


48-Cd-110

MAT 4837

Particle Production
293 Kelvin Cross Sections

48-Cd-110



7

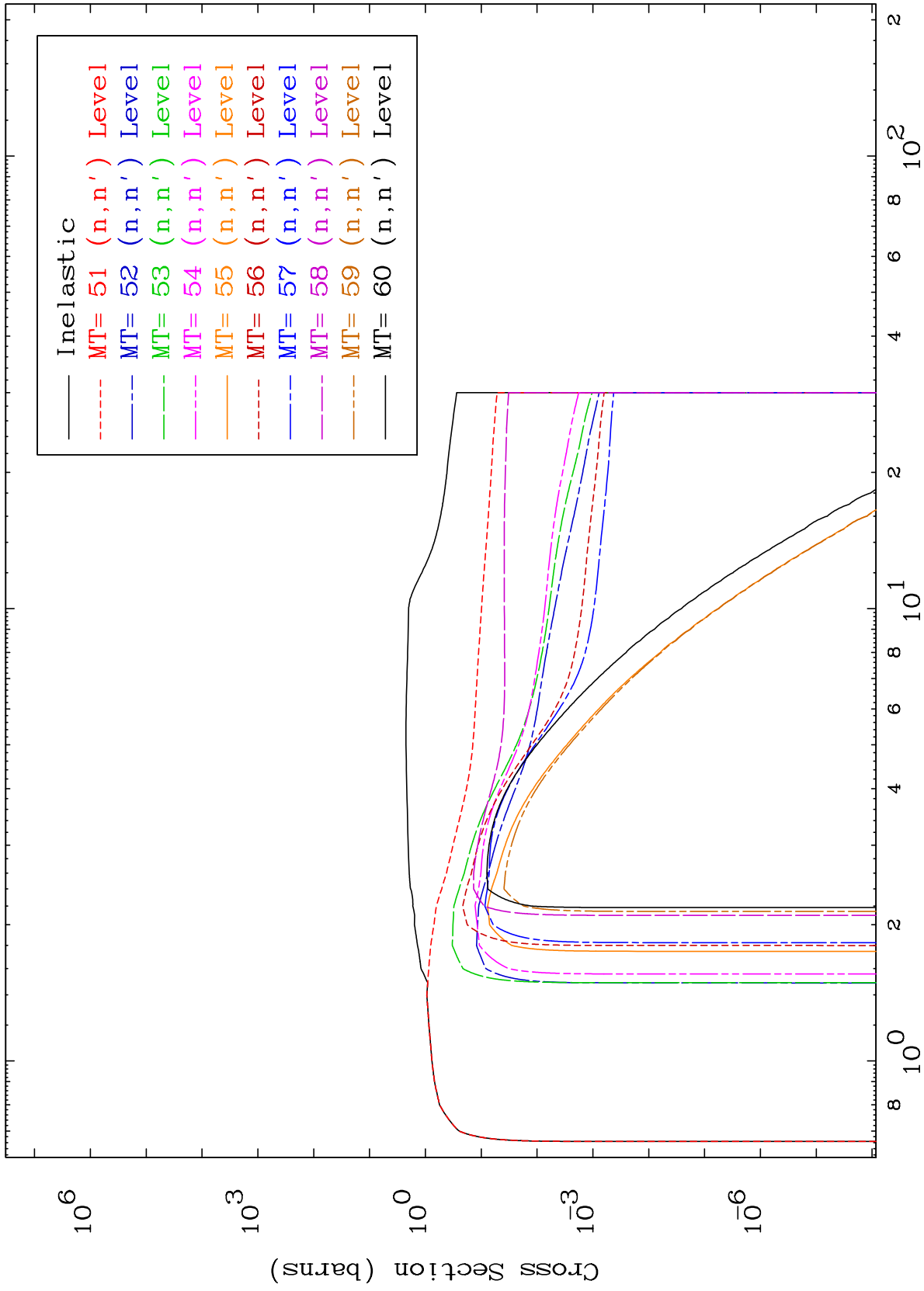
48-Cd-110

MAT 4837

(n,n') Levels

48-Cd-110

293 Kelvin Cross Sections



8

Incident Energy (MeV)

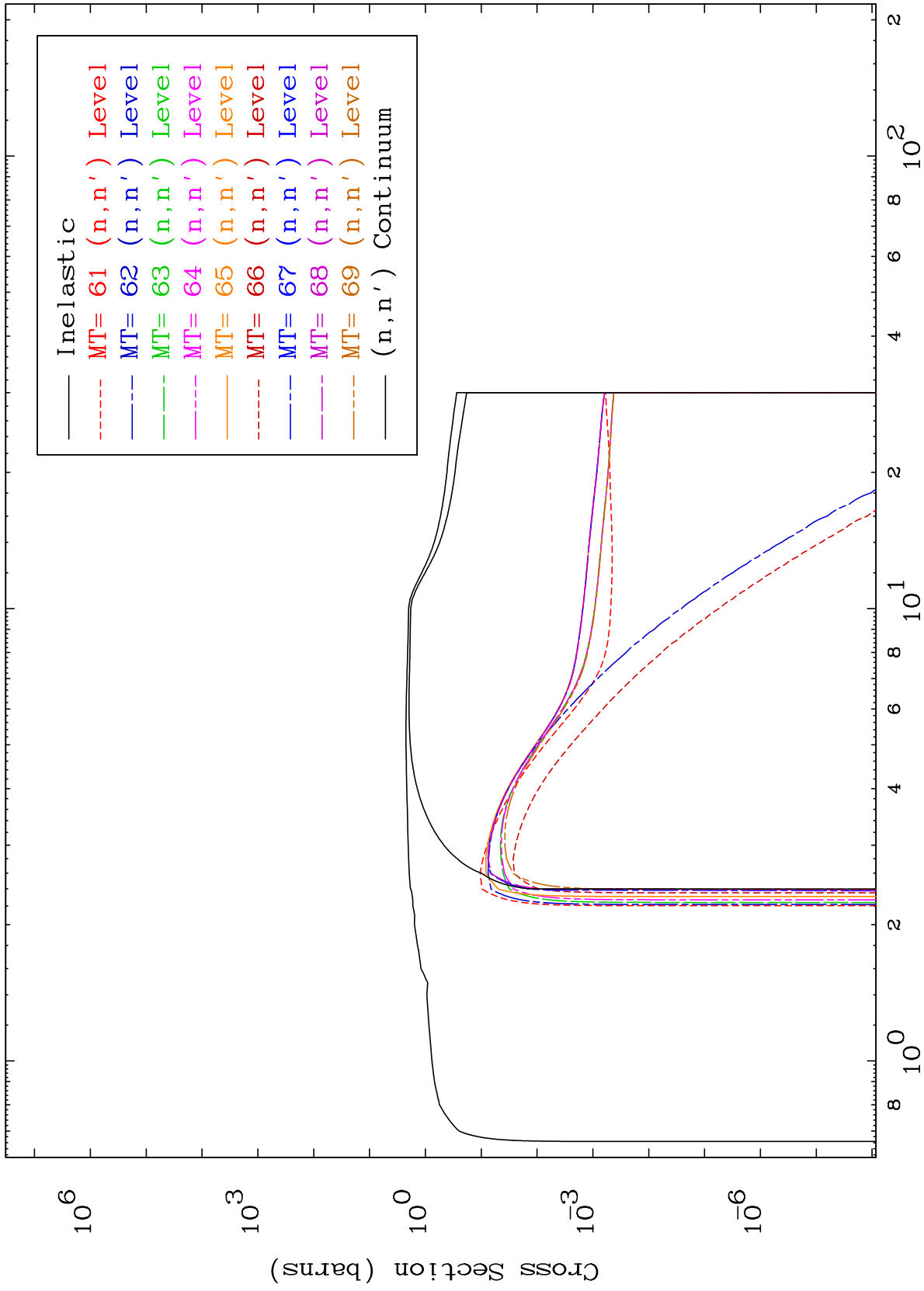
48-Cd-110

MAT 4837

(n,n') Levels

48-Cd-110

293 Kelvin Cross Sections



9

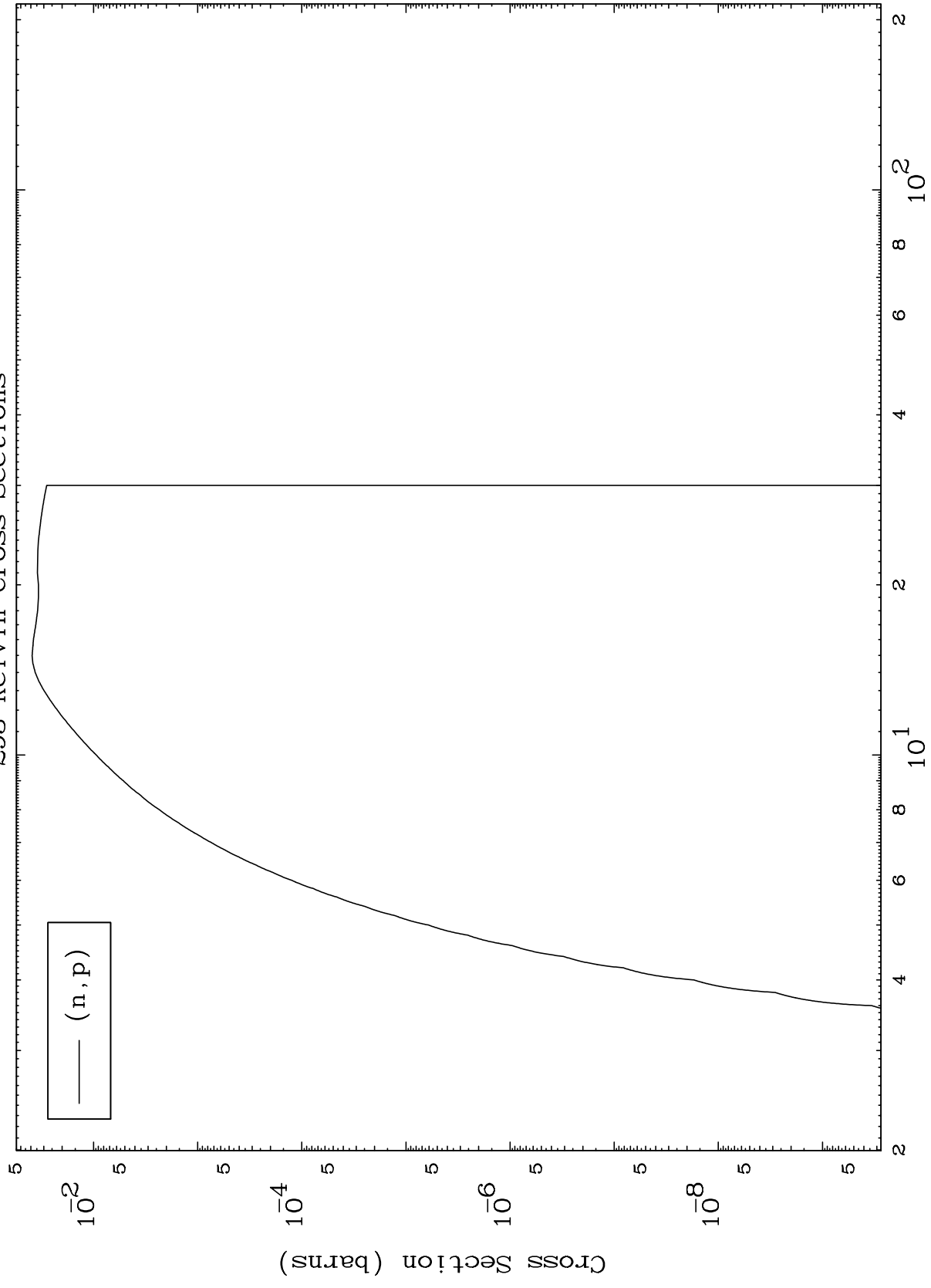
Incident Energy (MeV)

48-Cd-110

MAT 4837

(n,p) Levels
293 Kelvin Cross Sections

48-Cd-110



10

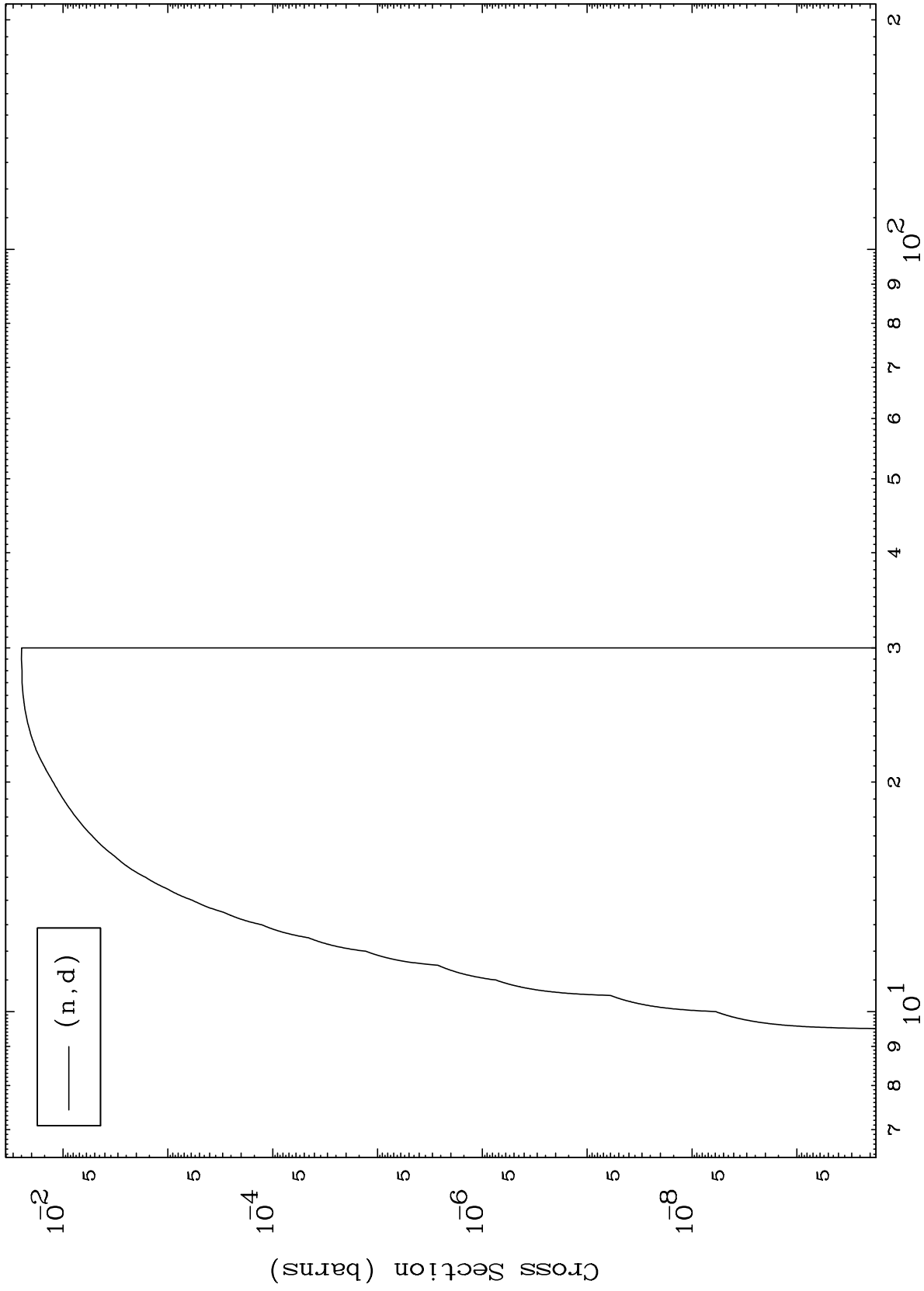
Incident Energy (MeV)

48-Cd-110

MAT 4837

(n,d) Levels
293 Kelvin Cross Sections

48-Cd-110



11

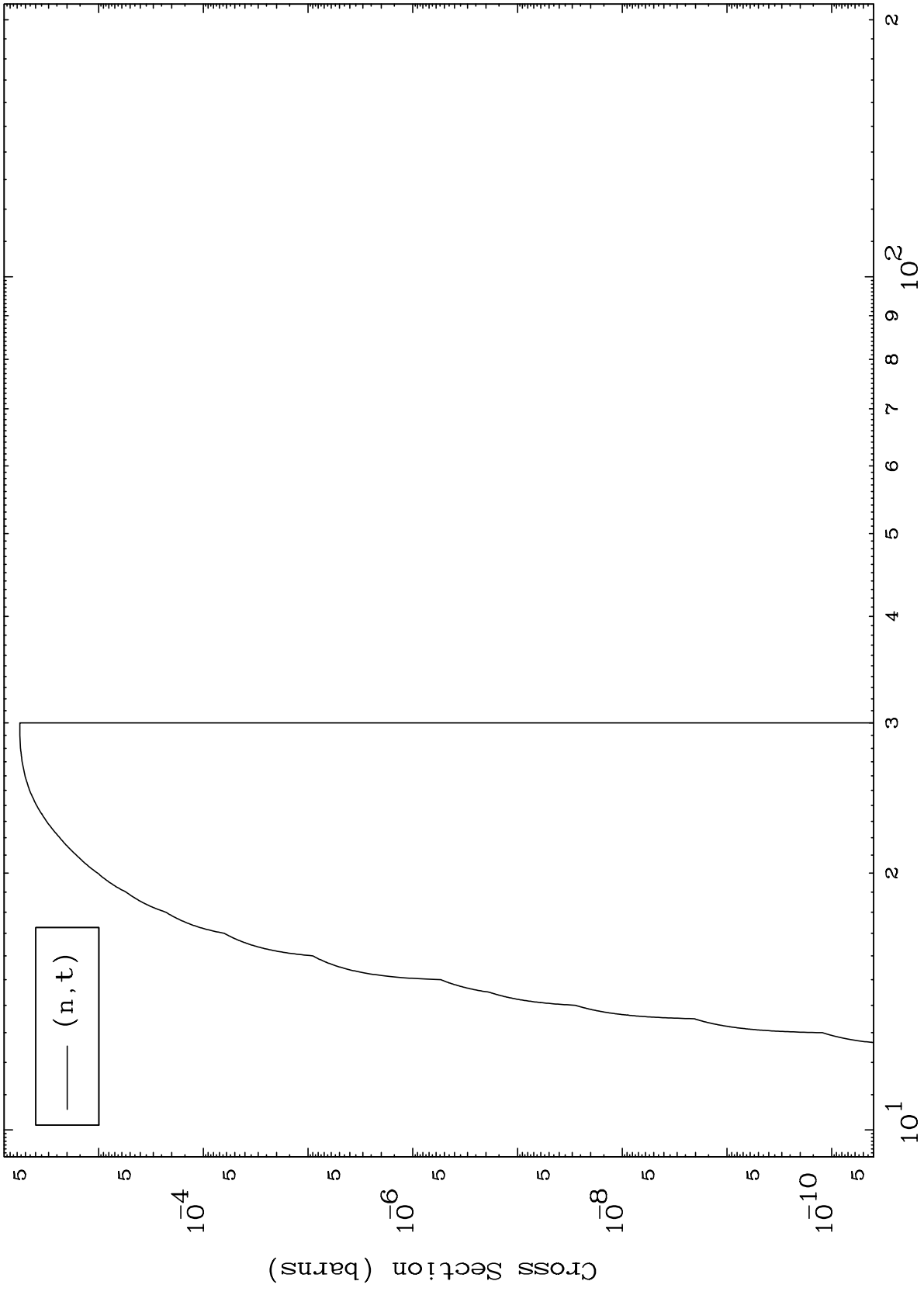
Incident Energy (MeV)

48-Cd-110

MAT 4837

(n,t) Levels
293 Kelvin Cross Sections

48-Cd-110



12

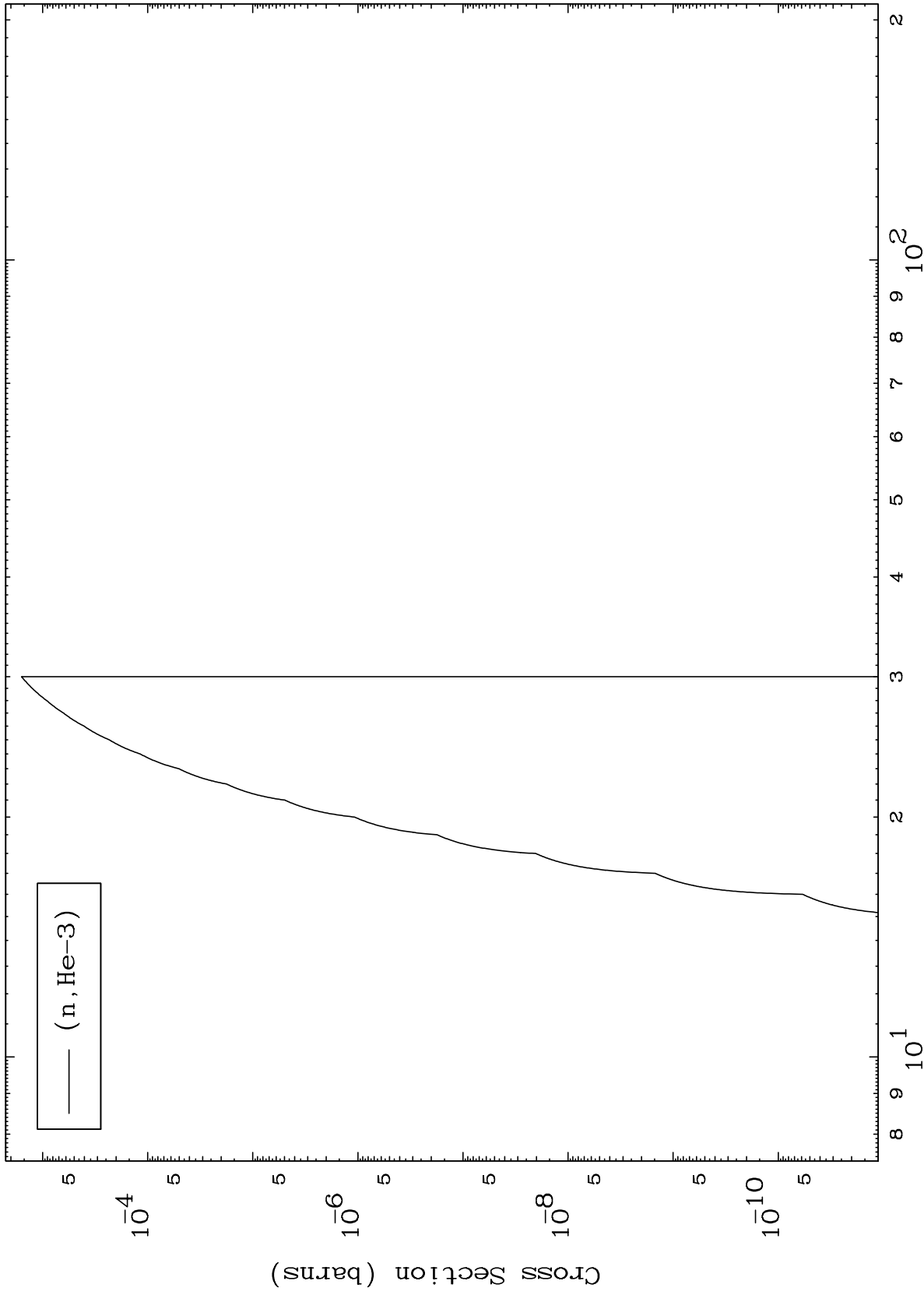
Incident Energy (MeV)

48-Cd-110

MAT 4837

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-110



13

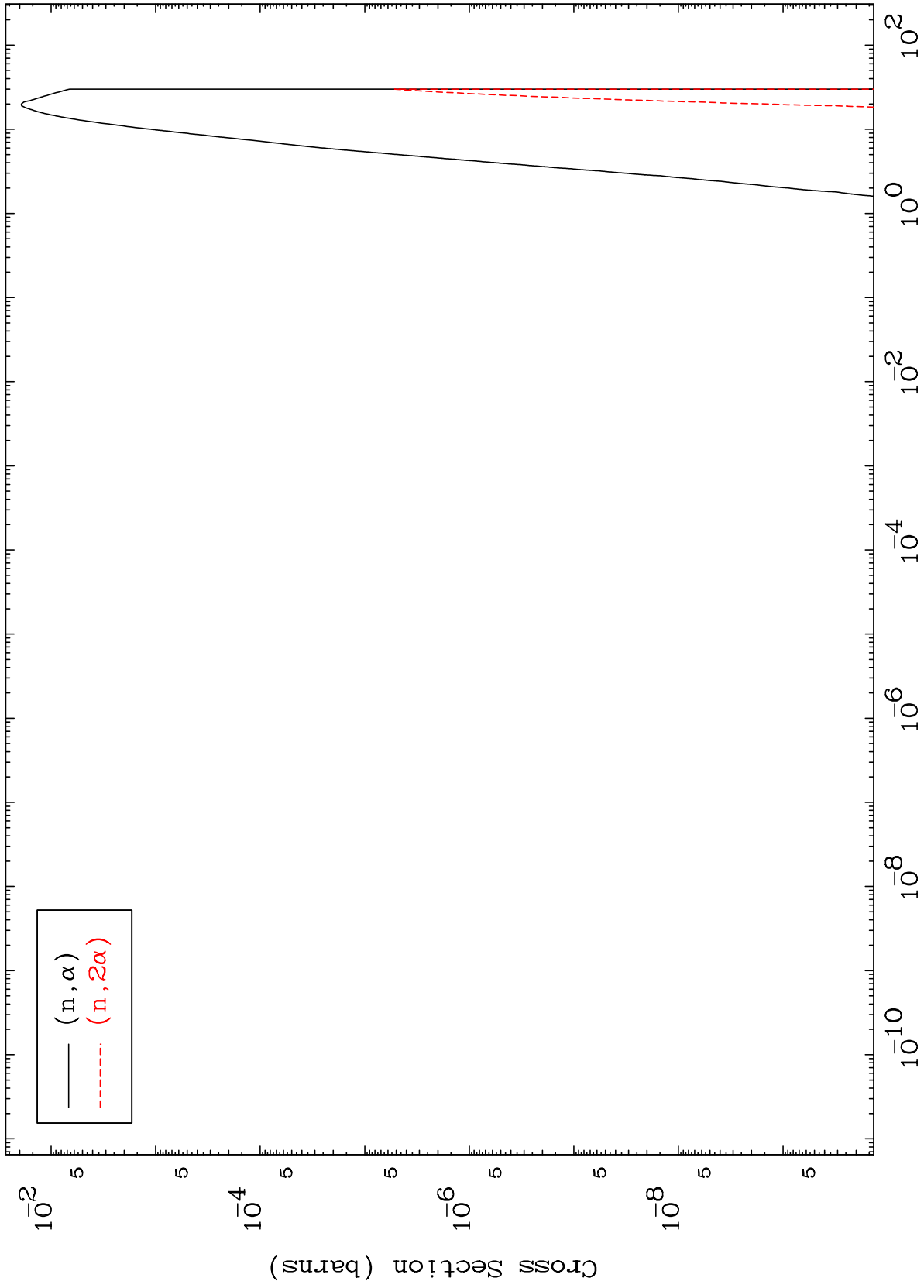
Incident Energy (MeV)

48-Cd-110

MAT 4837

(n,α) Levels
293 Kelvin Cross Sections

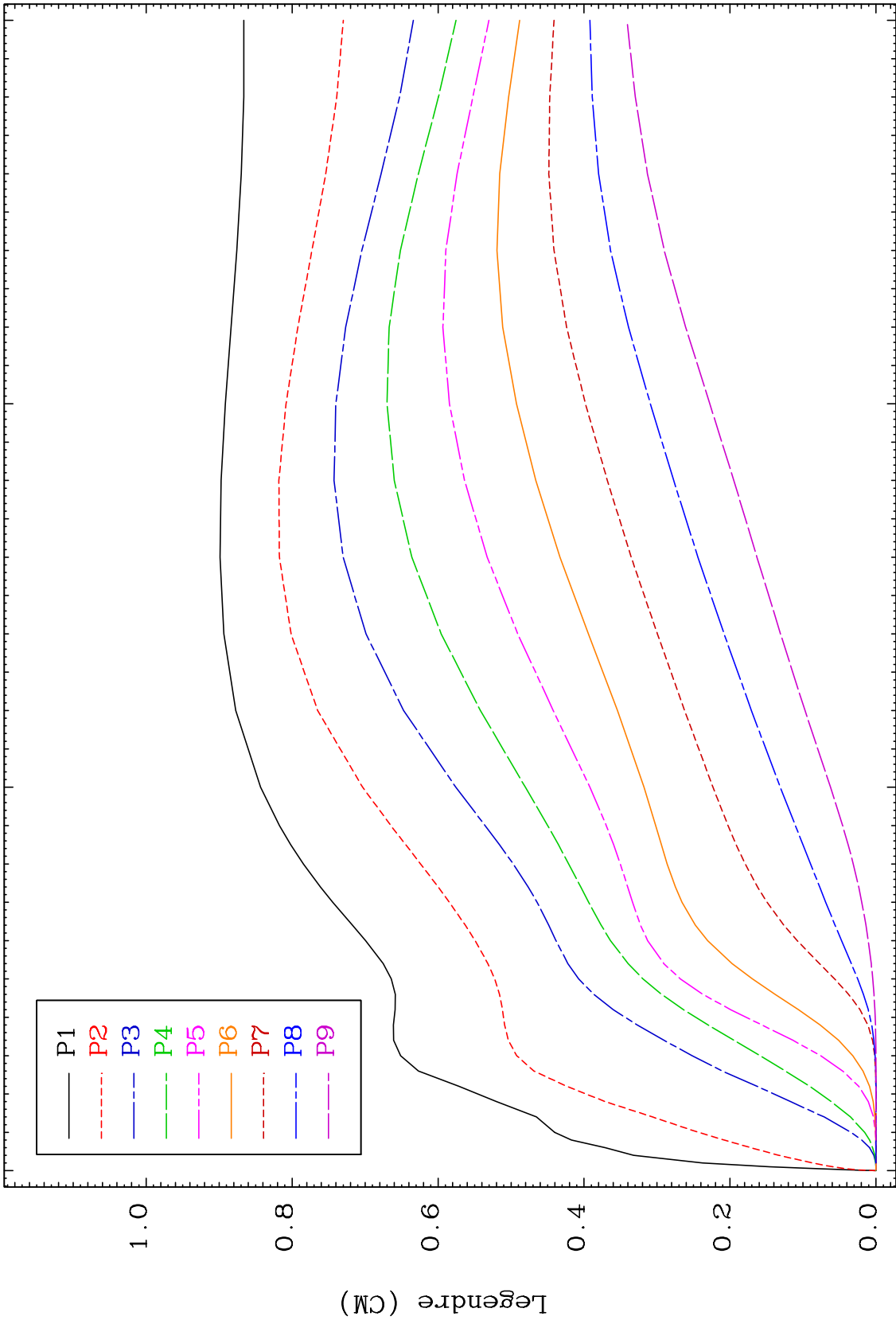
48-Cd-110



MAT 4837

Elastic Legendre Coefficients

48-Cd-110



15

0

10

20

30

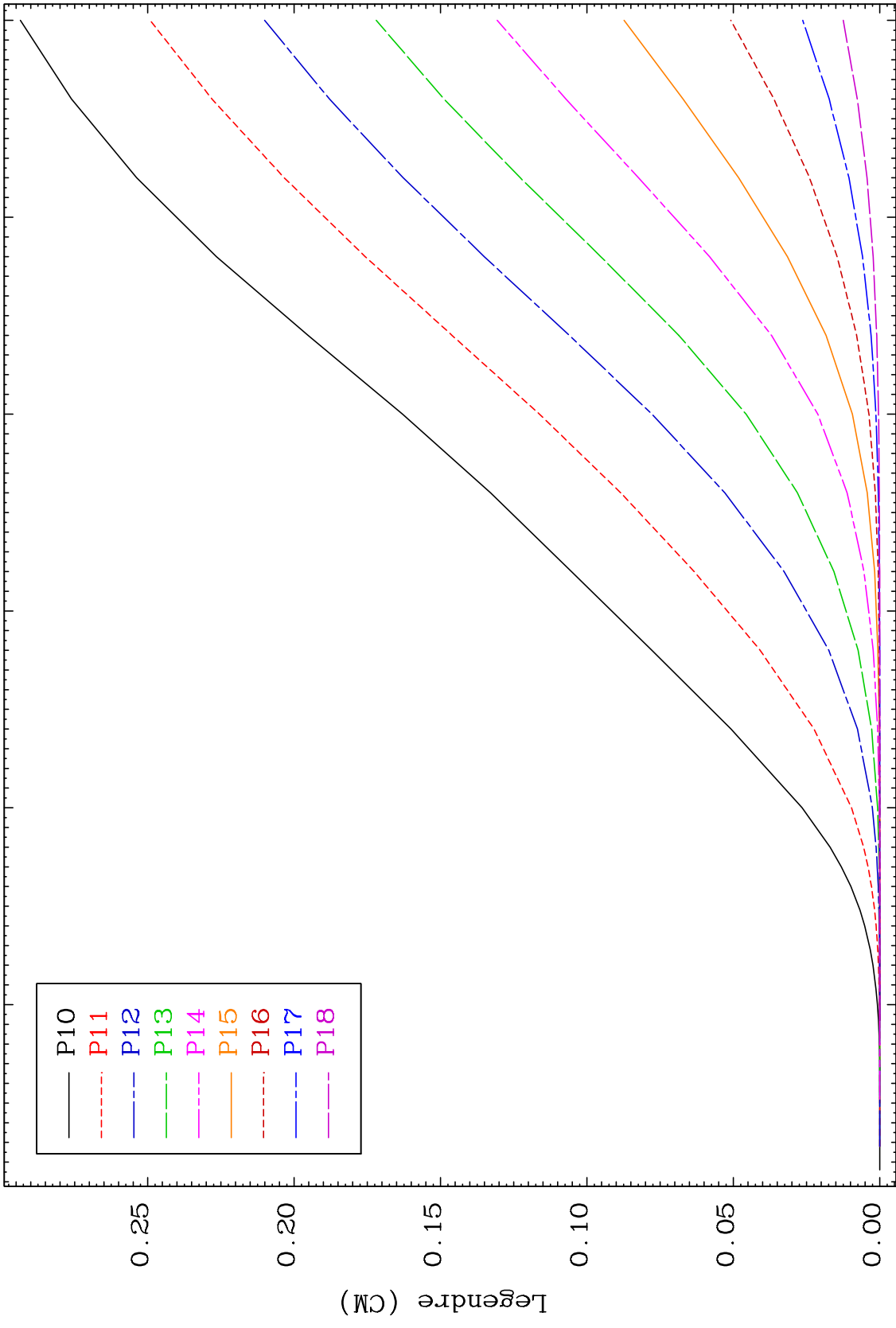
Incident Energy (MeV)

48-Cd-110

MAT 4837

Elastic Legendre Coefficients

48-Cd-110



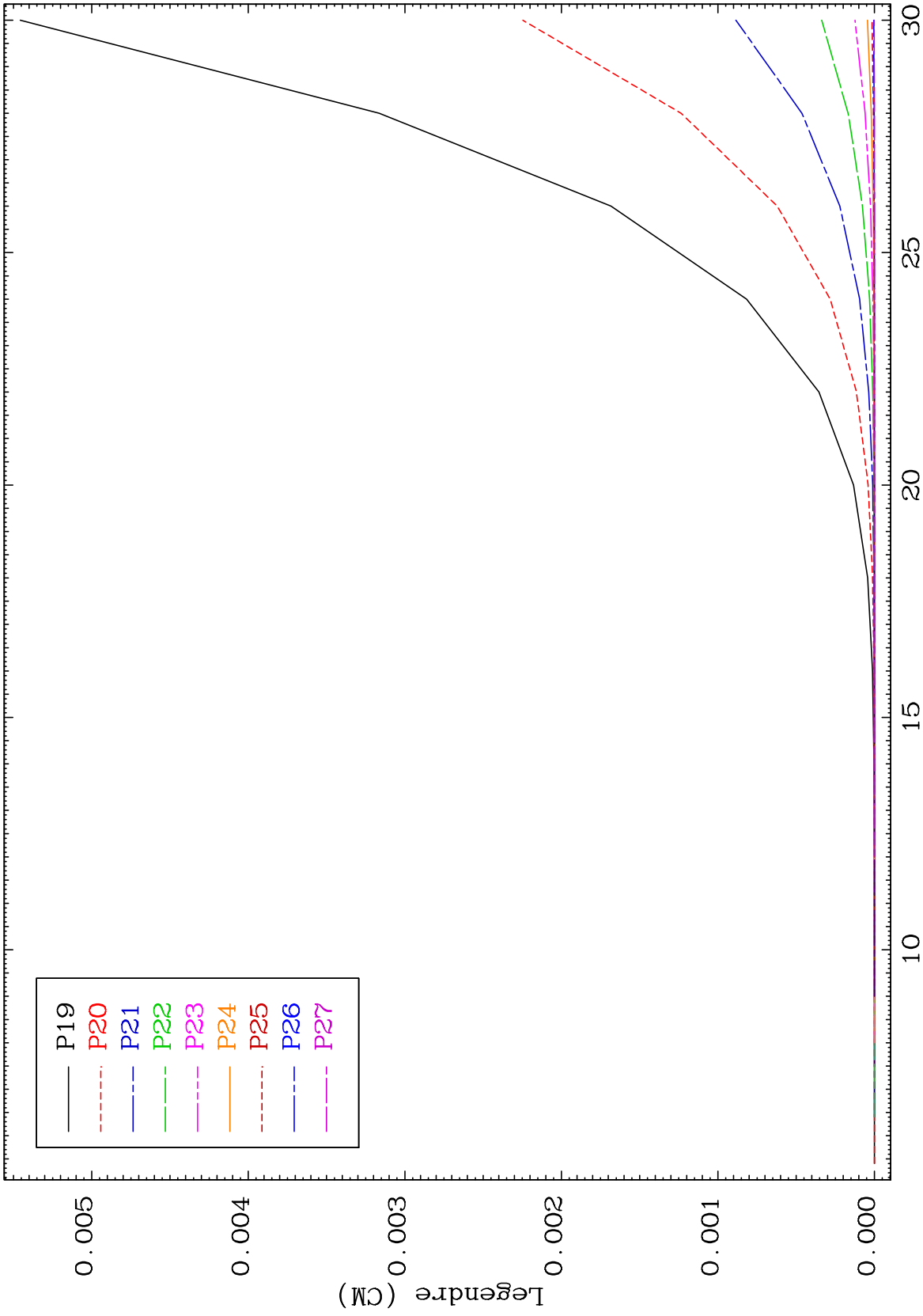
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48-Cd-110

MAT 4837

Elastic Legendre Coefficients

48-Cd-110



17

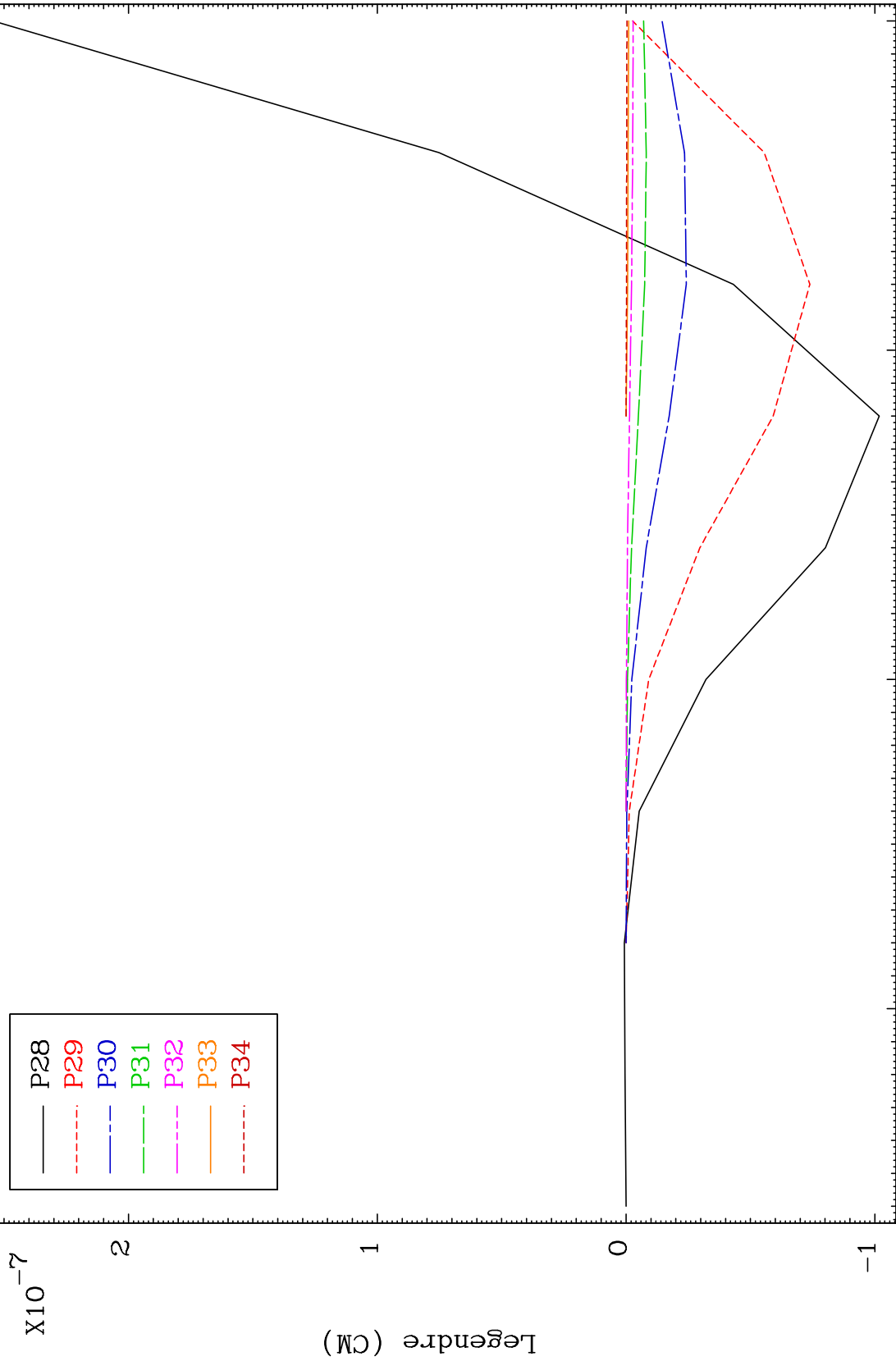
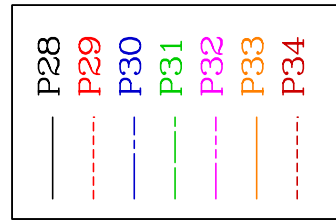
Incident Energy (MeV)

48-Cd-110

MAT 4837

Elastic Legendre Coefficients

48-Cd-110



18

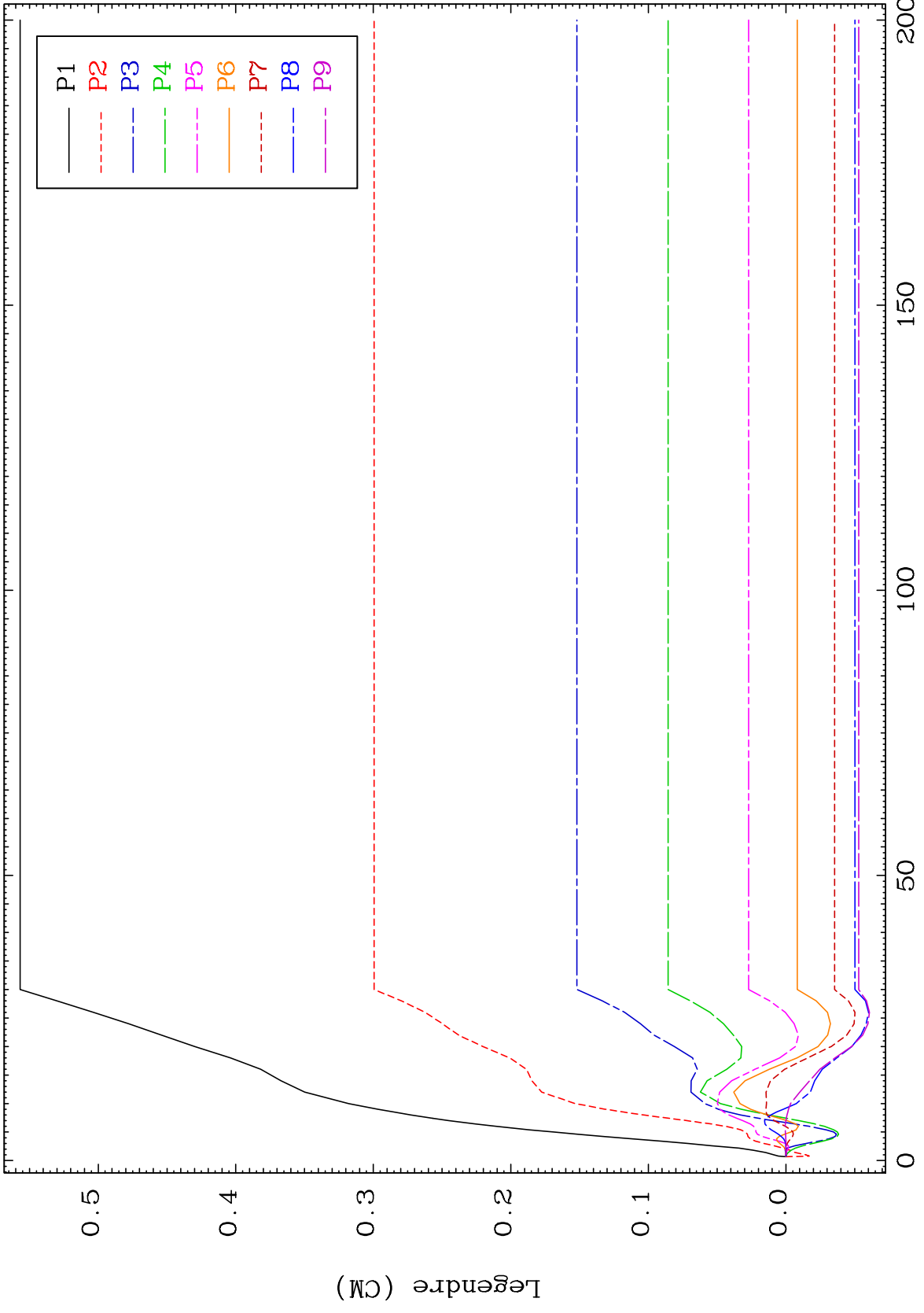
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



19

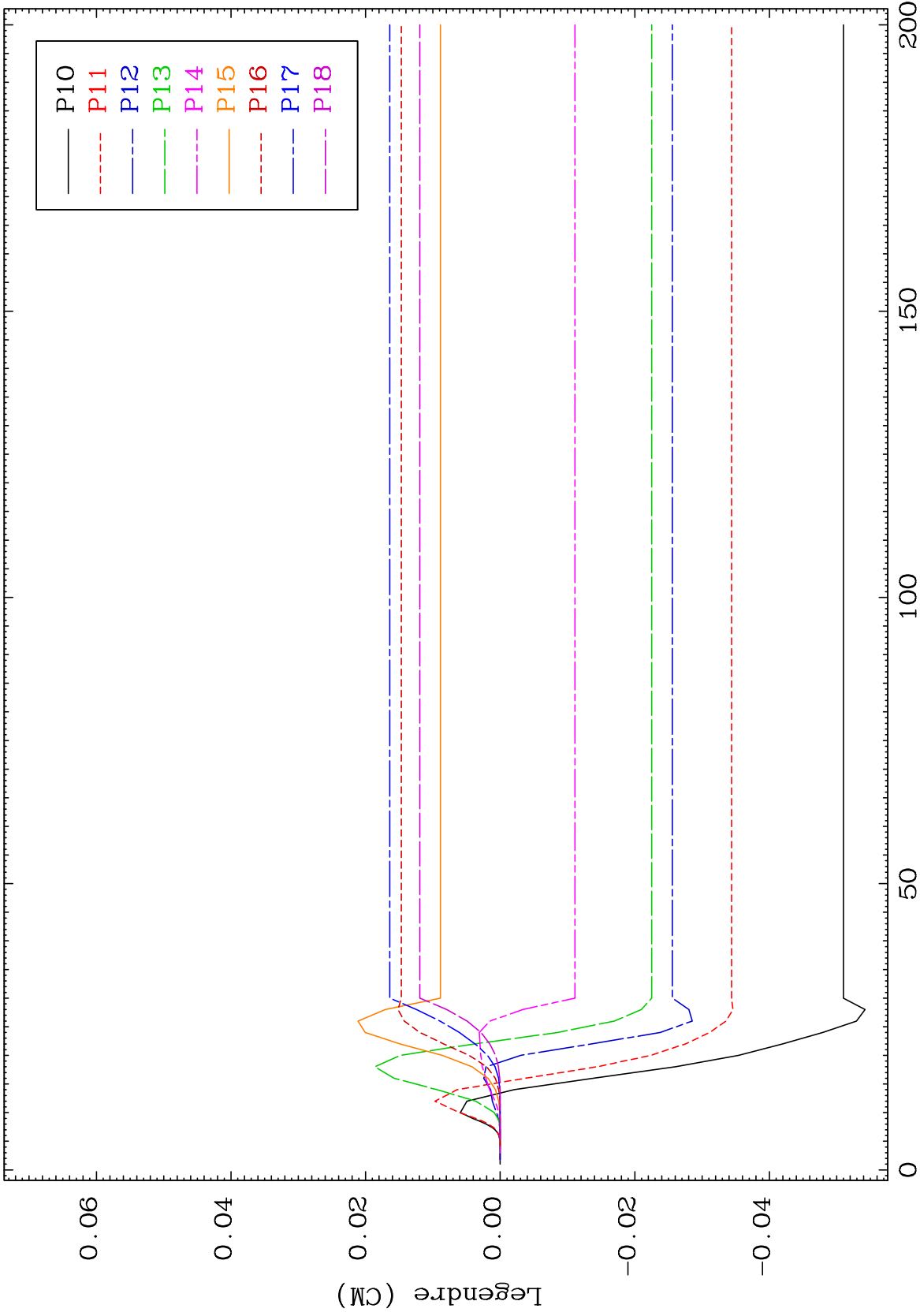
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



0

50

100

150

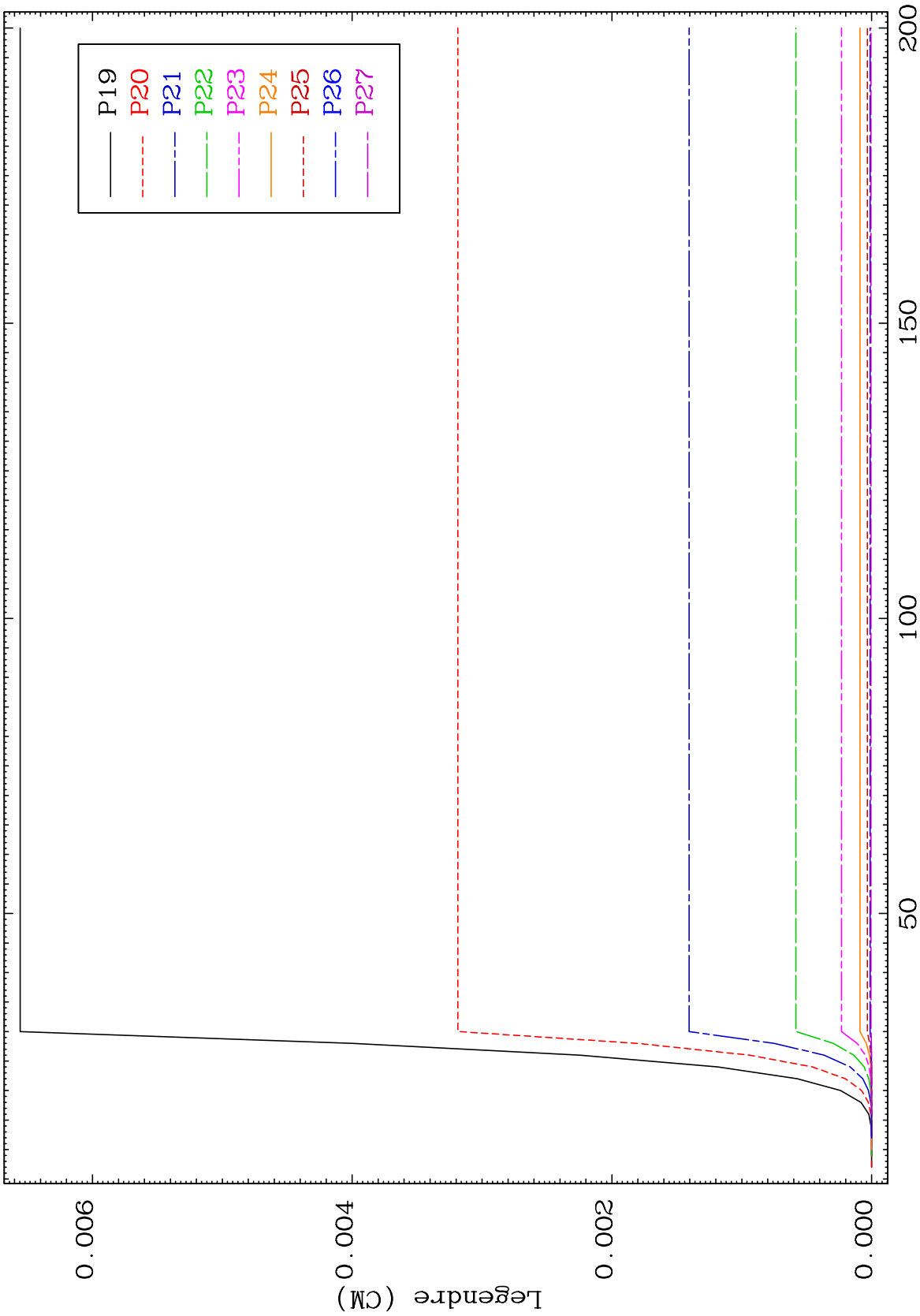
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48-Cd-110

MAT 4837

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

48-Cd-110



21

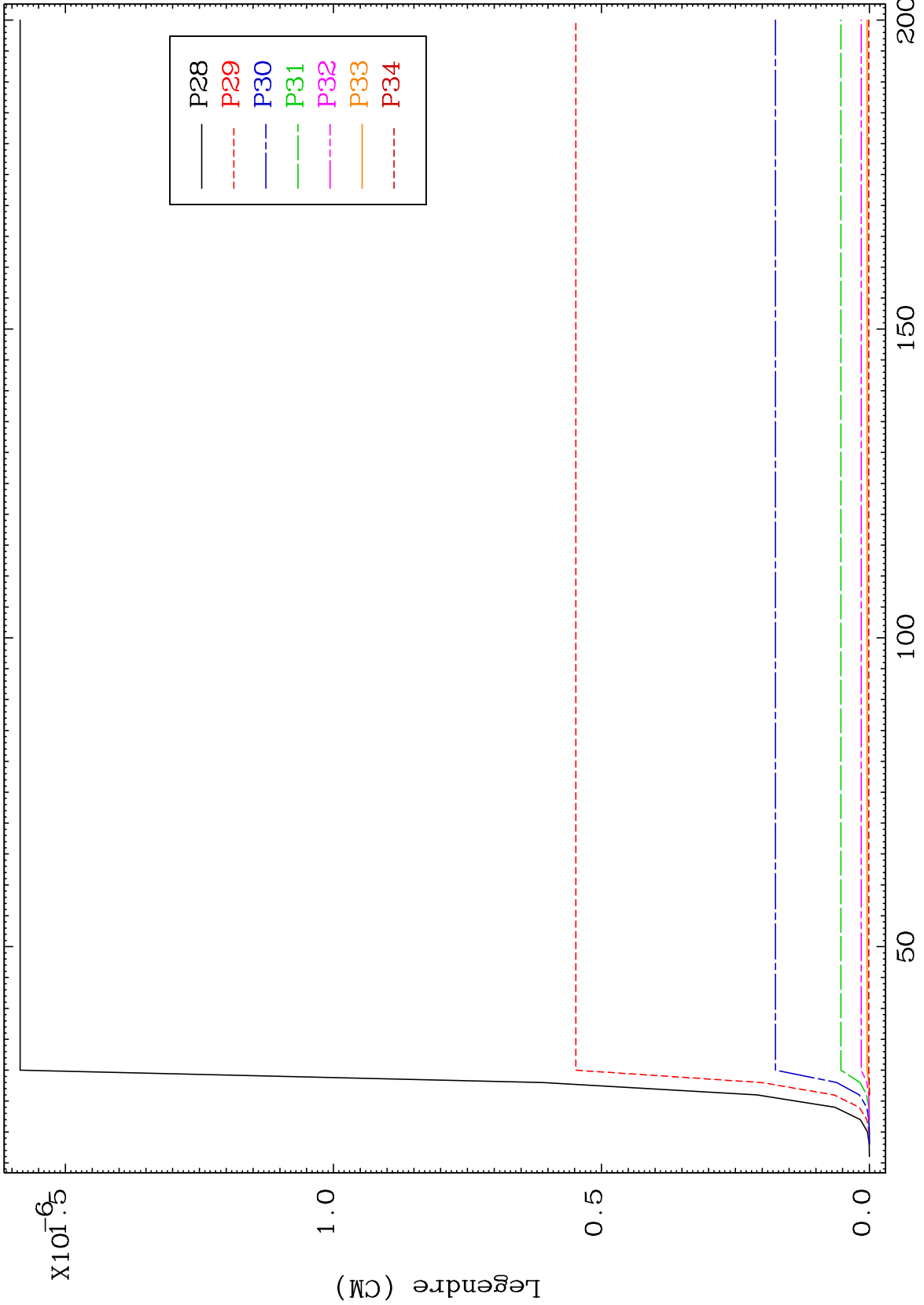
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



22

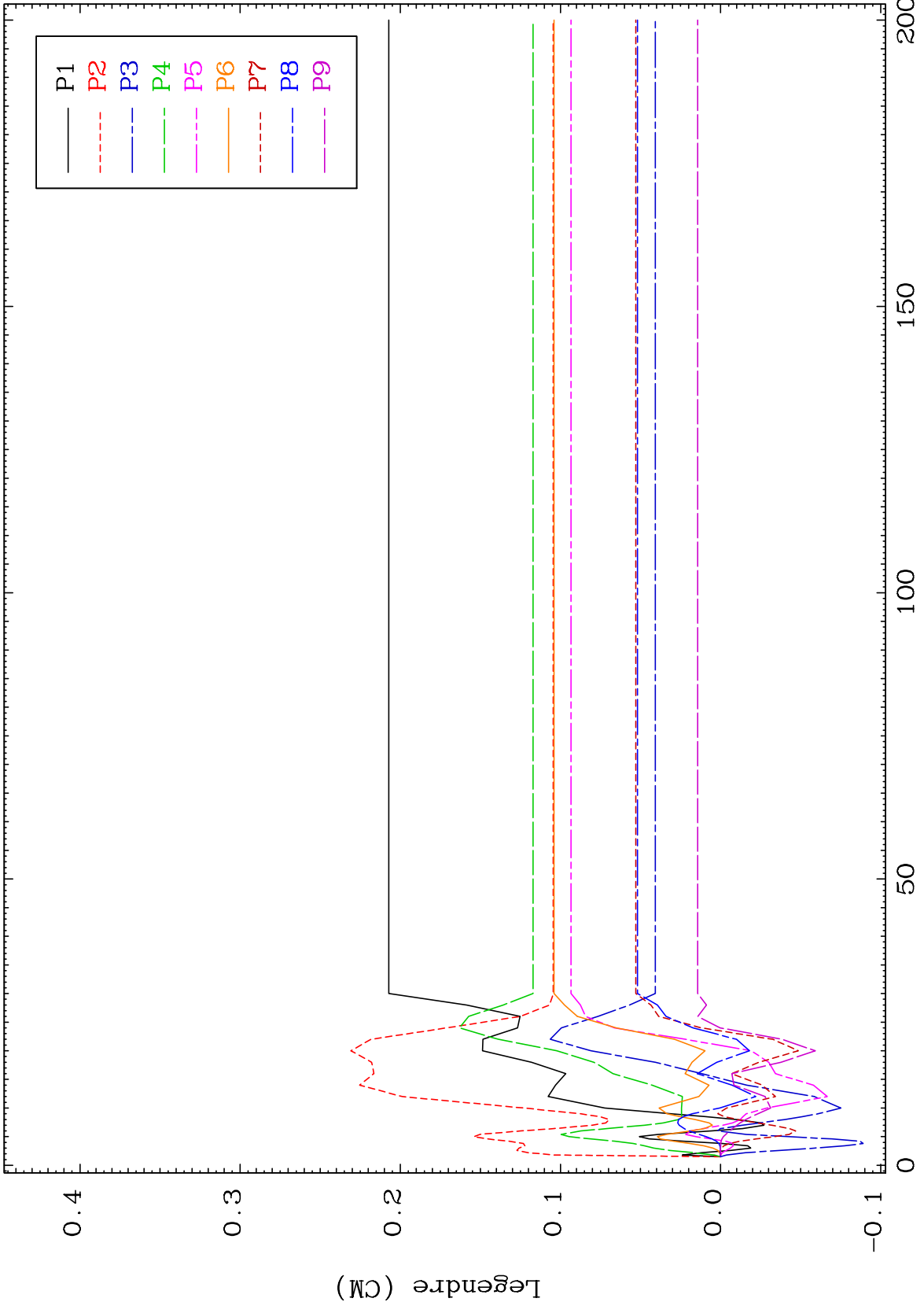
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



23

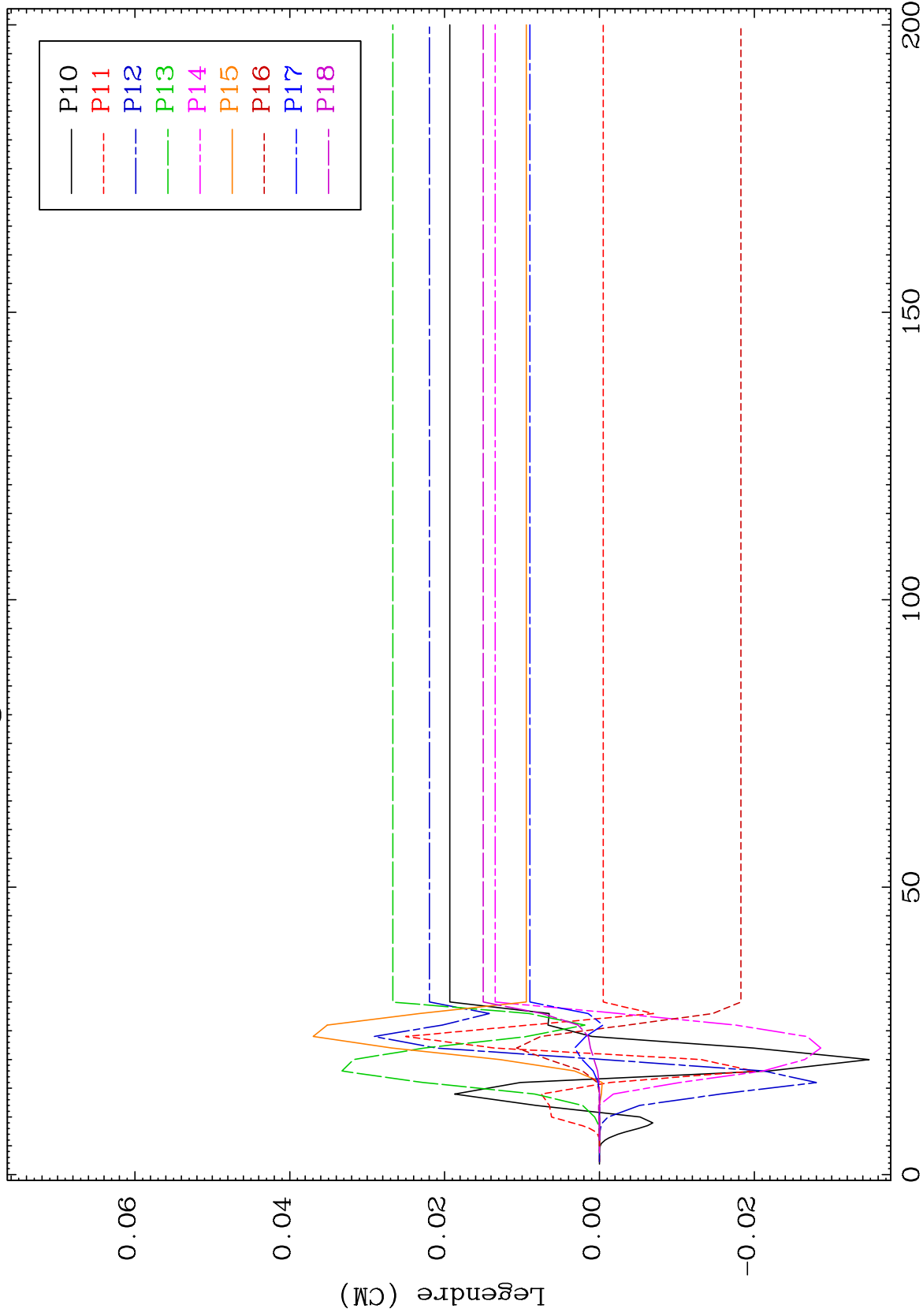
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



24

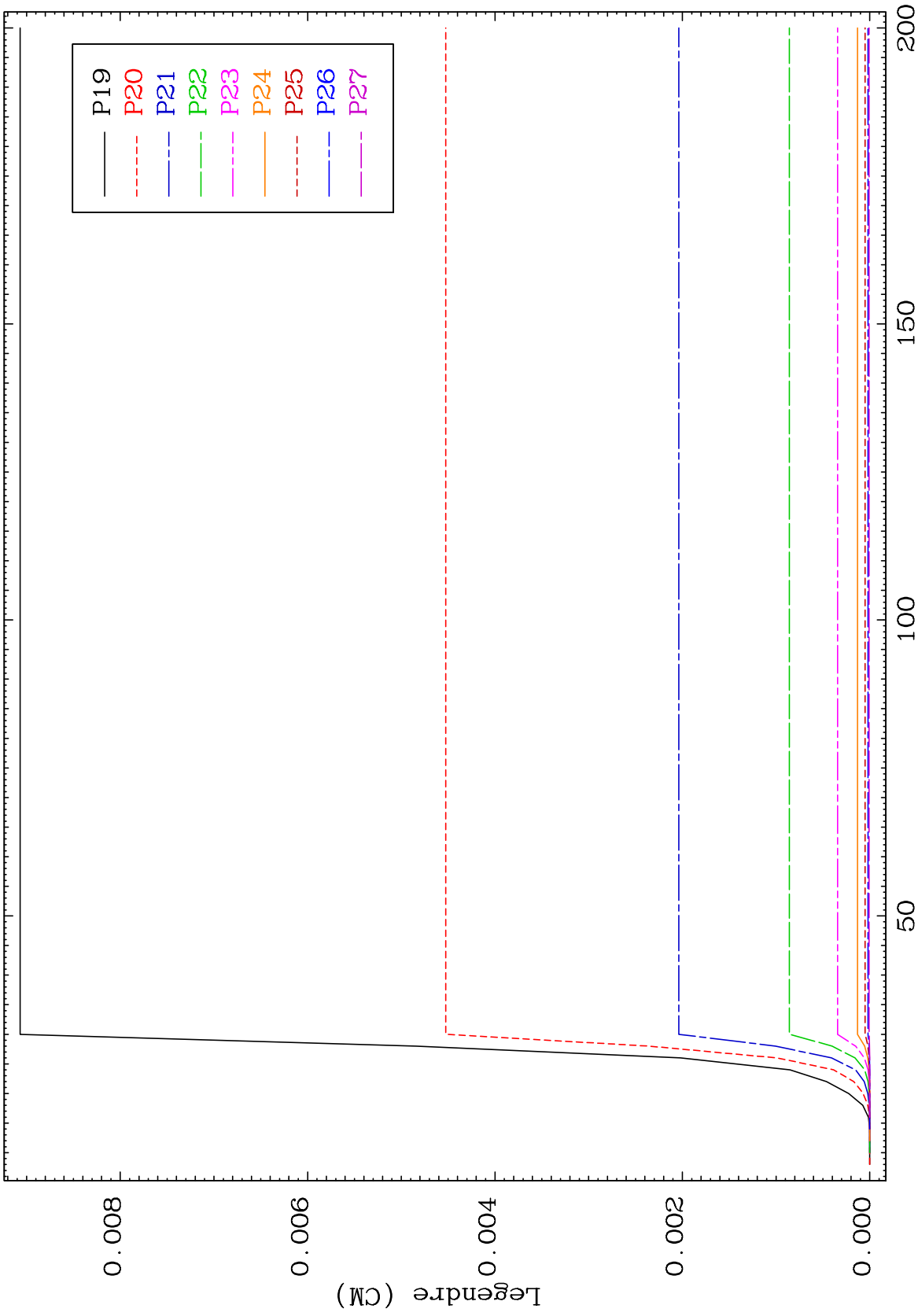
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



25

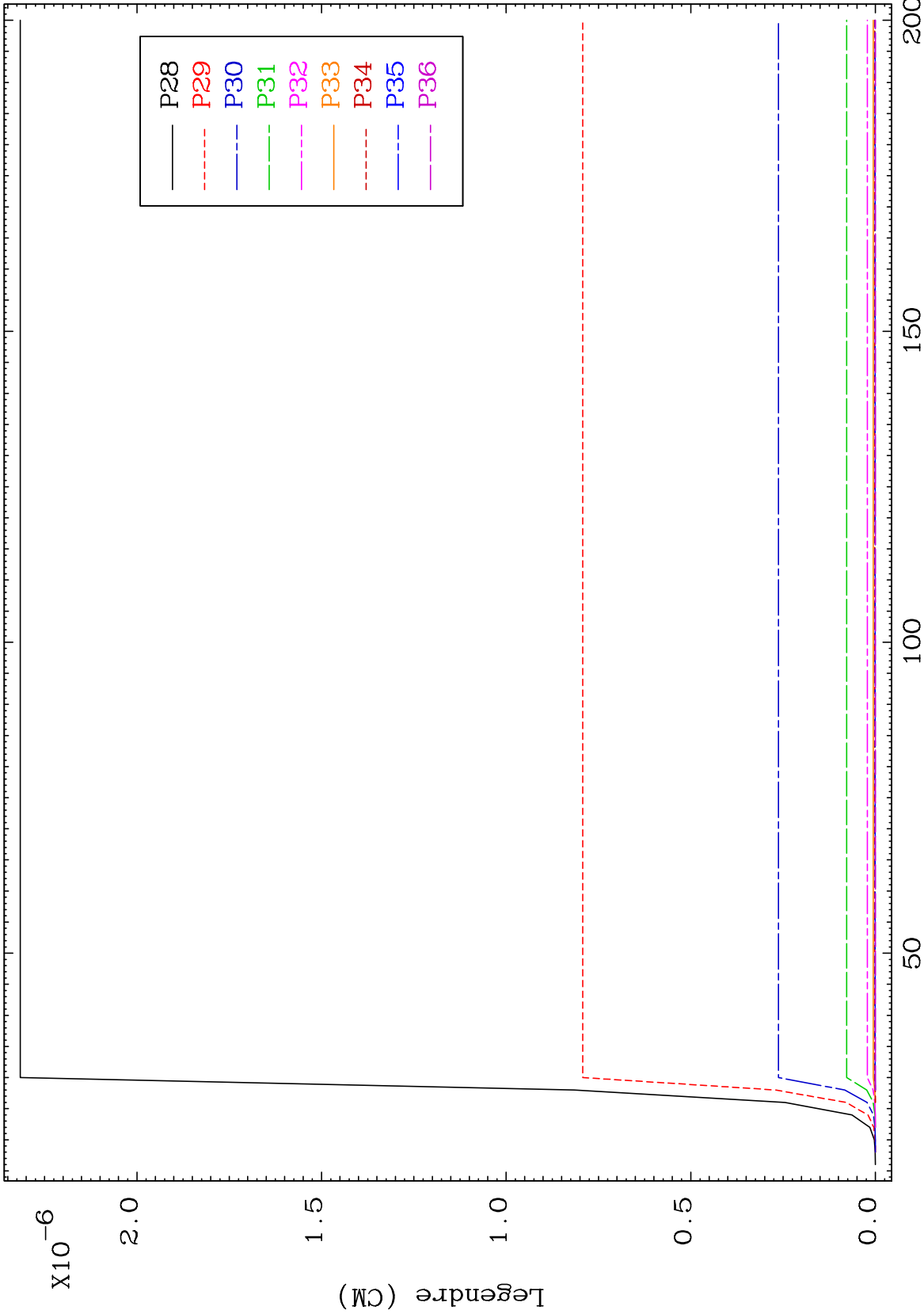
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



26

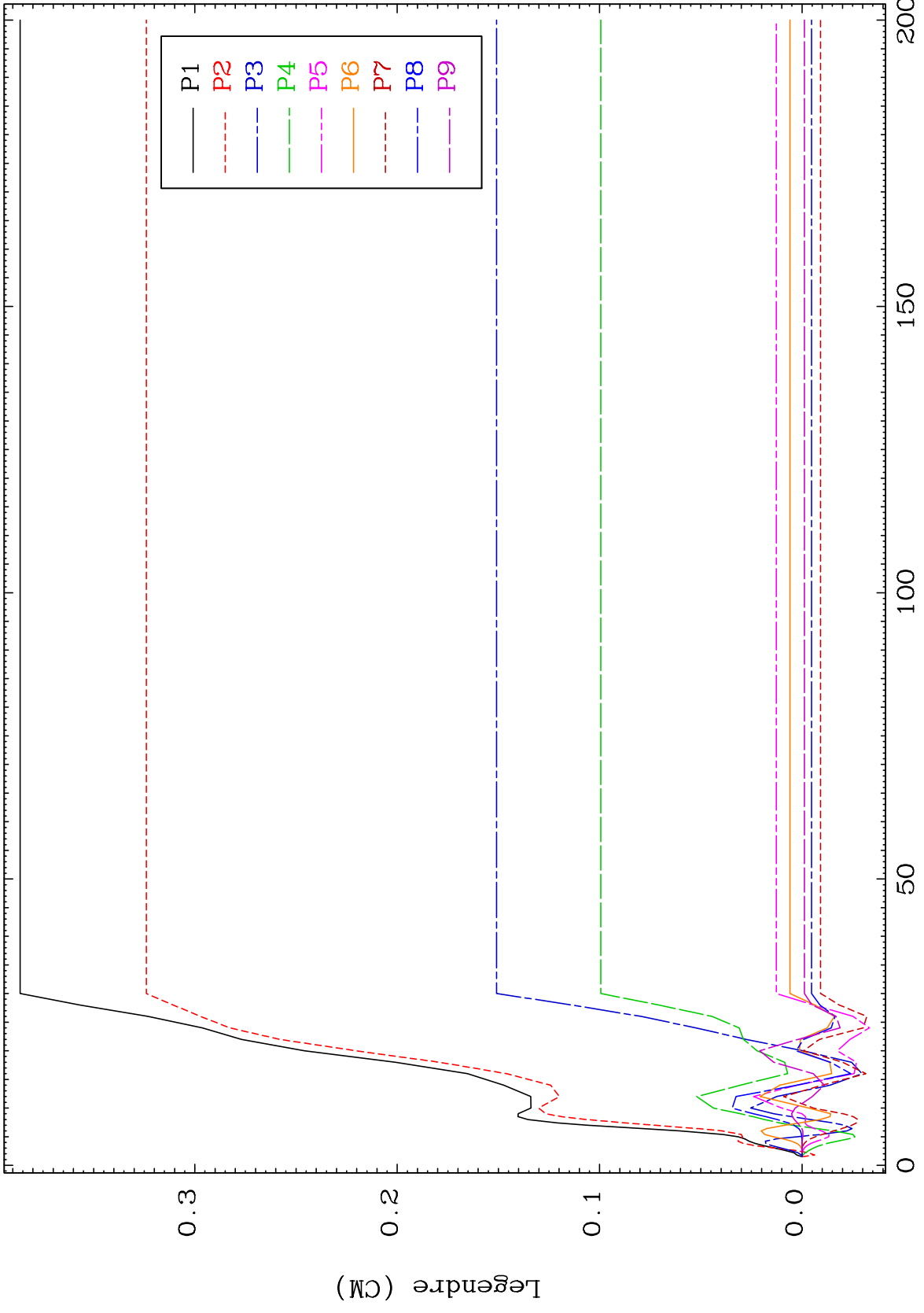
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



27

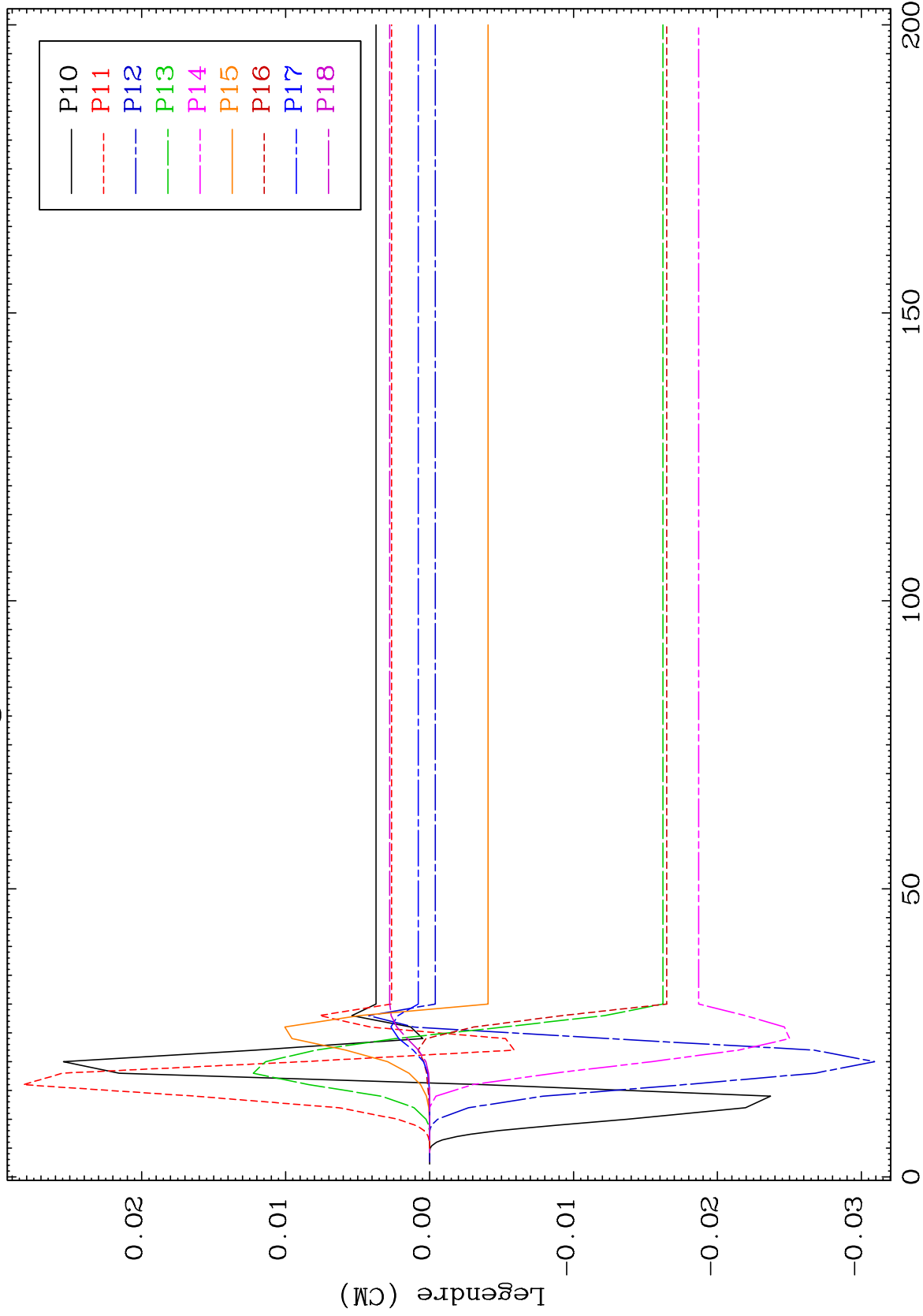
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



28

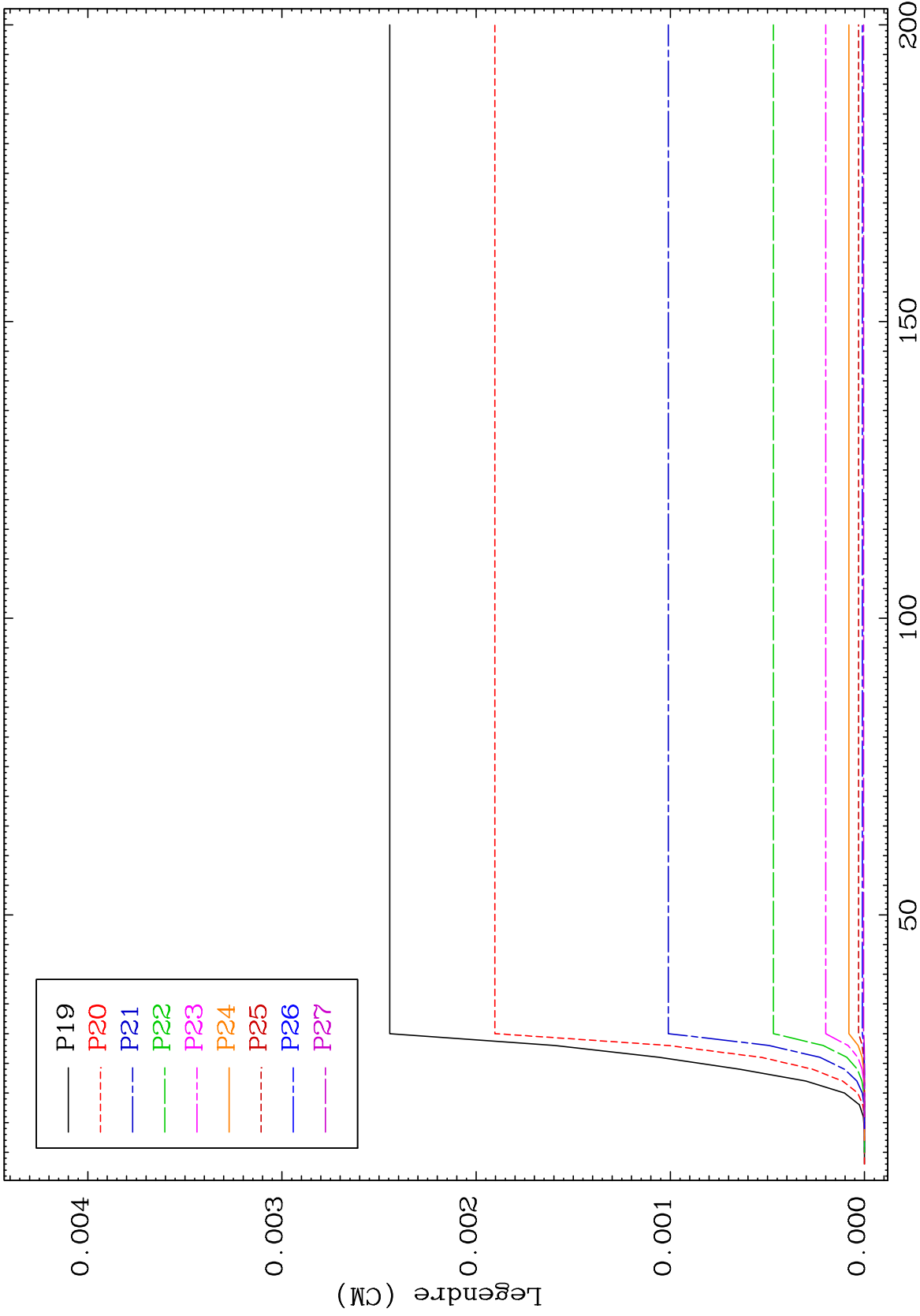
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



29

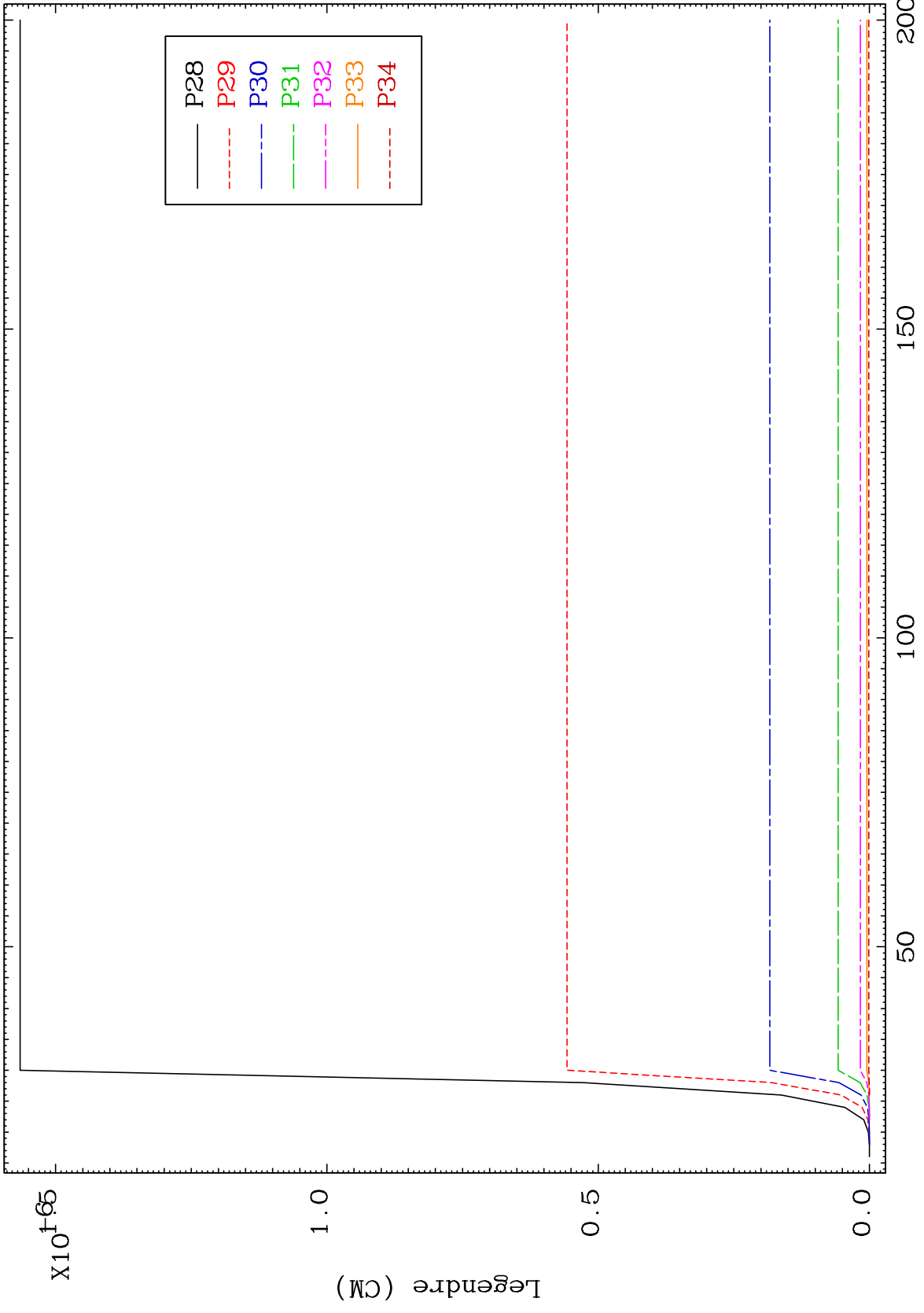
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



30

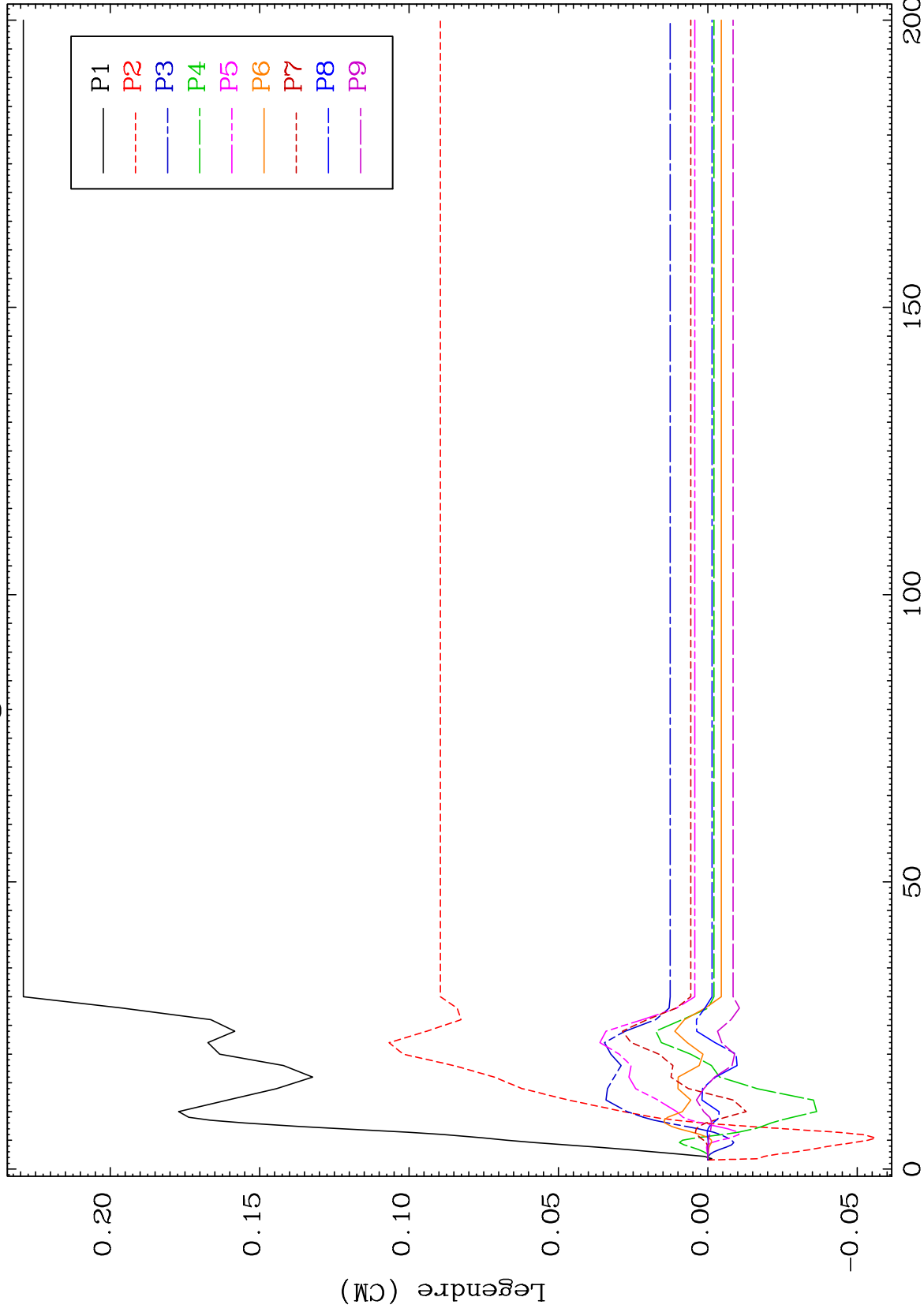
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



31

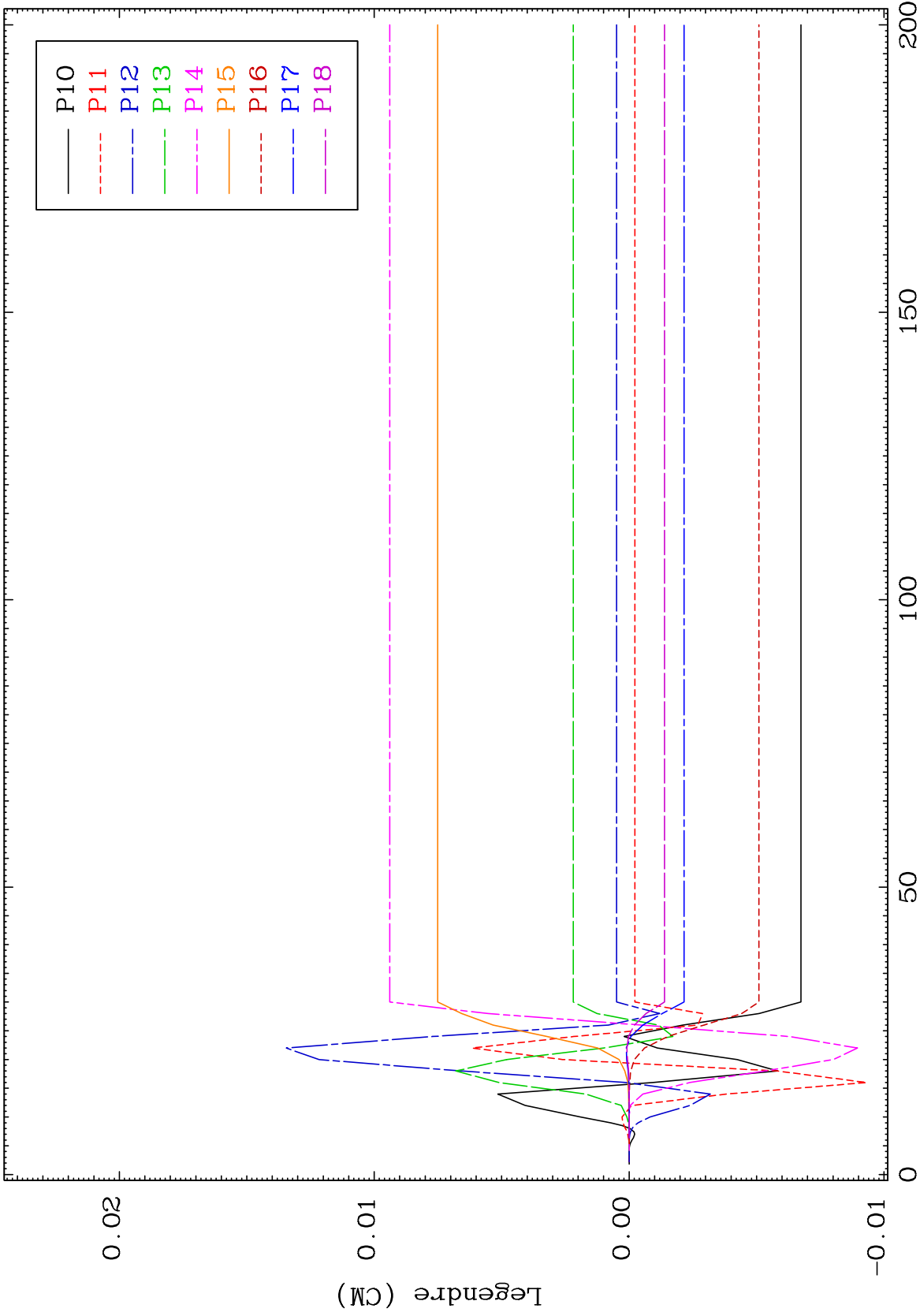
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



32

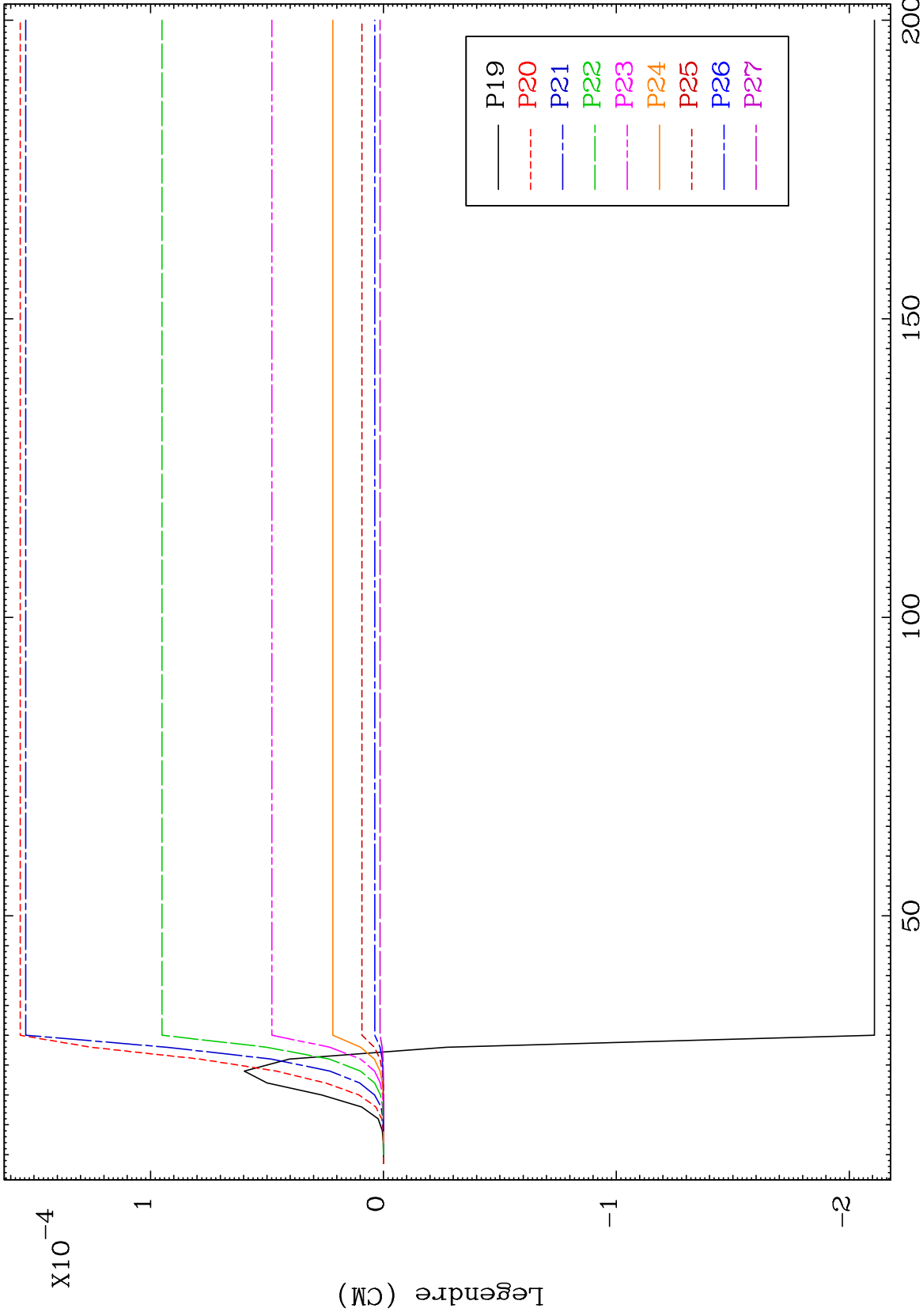
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



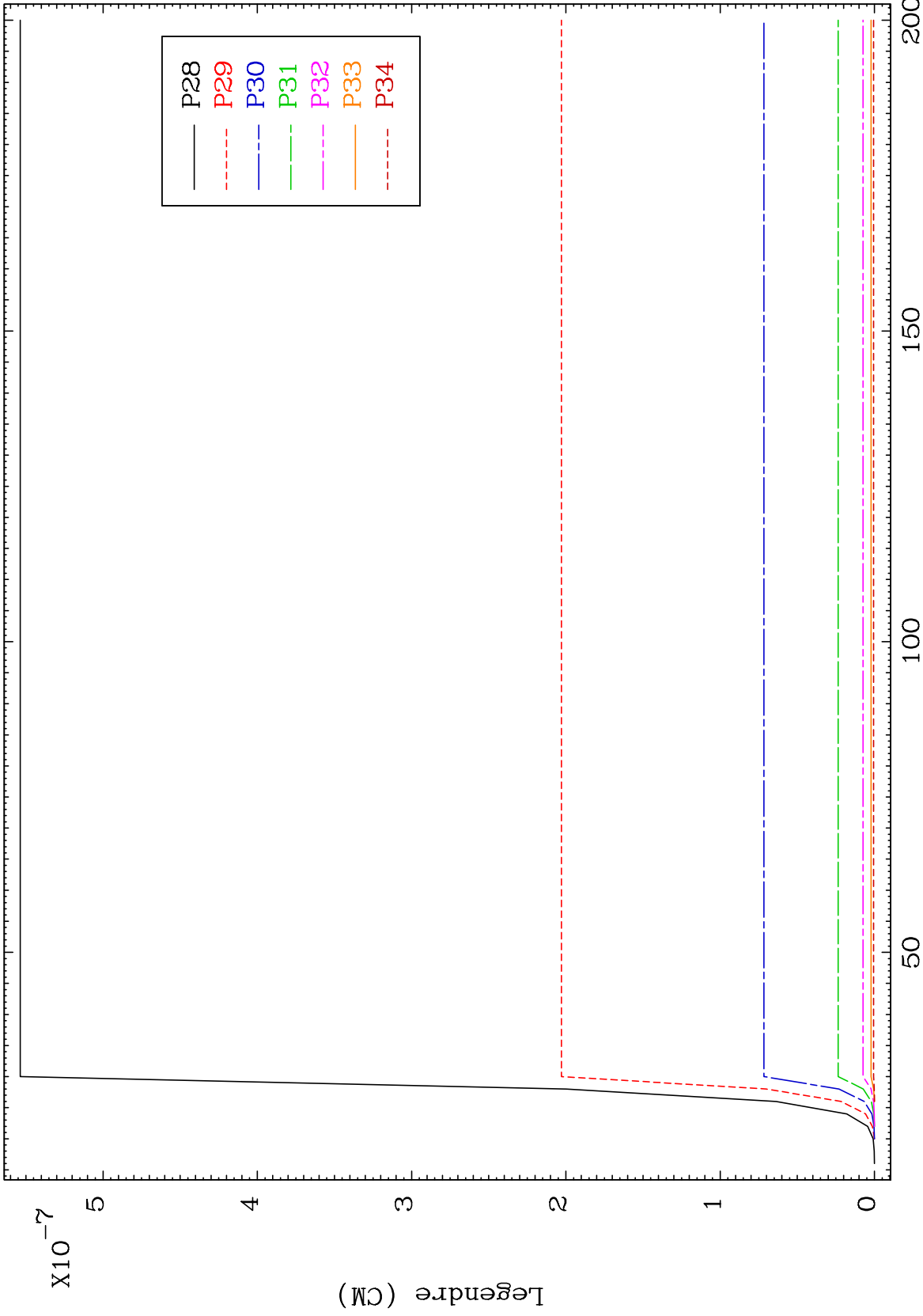
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48-Cd-110

MAT 4837

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

48-Cd-110



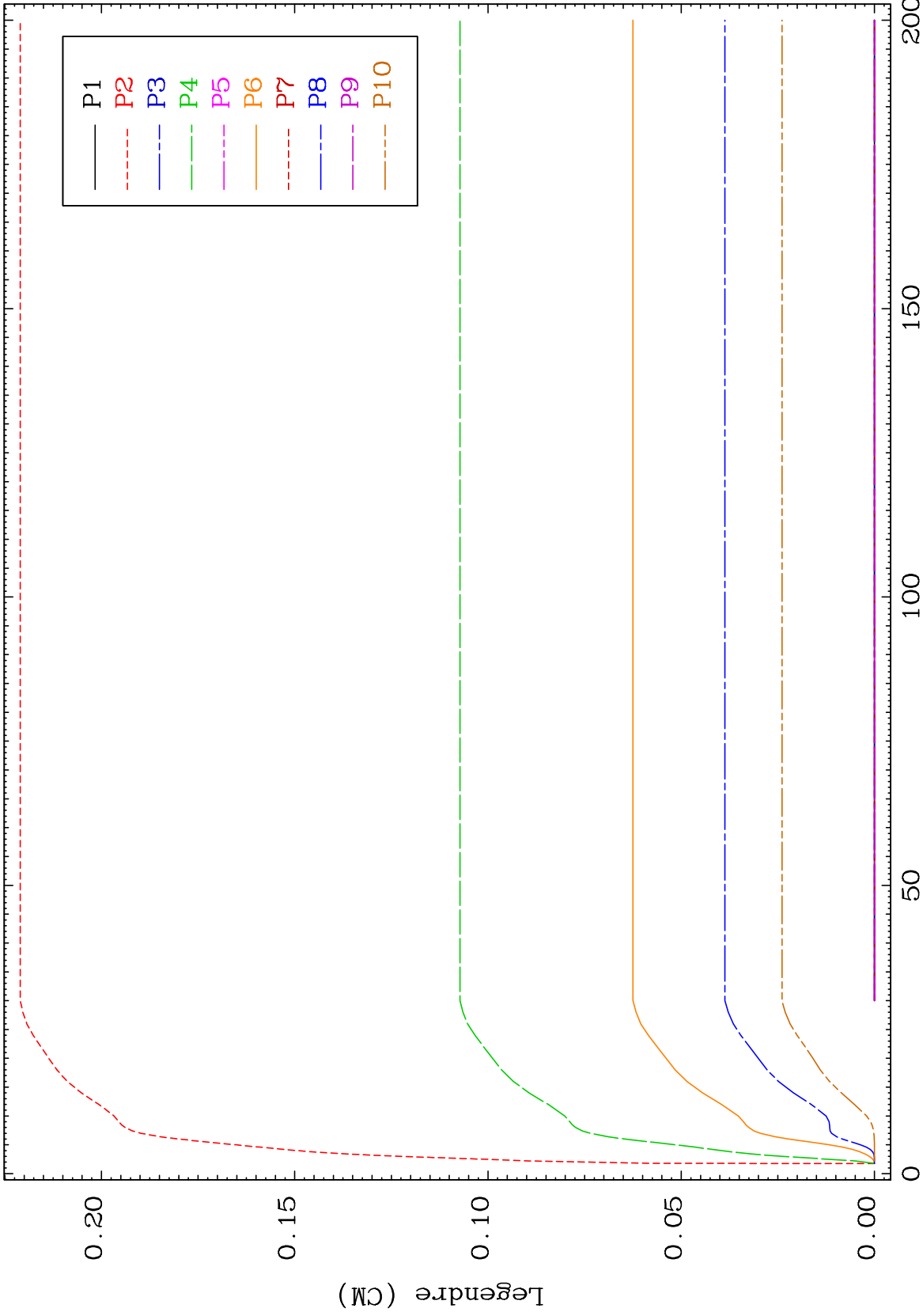
34

48-Cd-110

MAT 4837

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

48-Cd-110



35

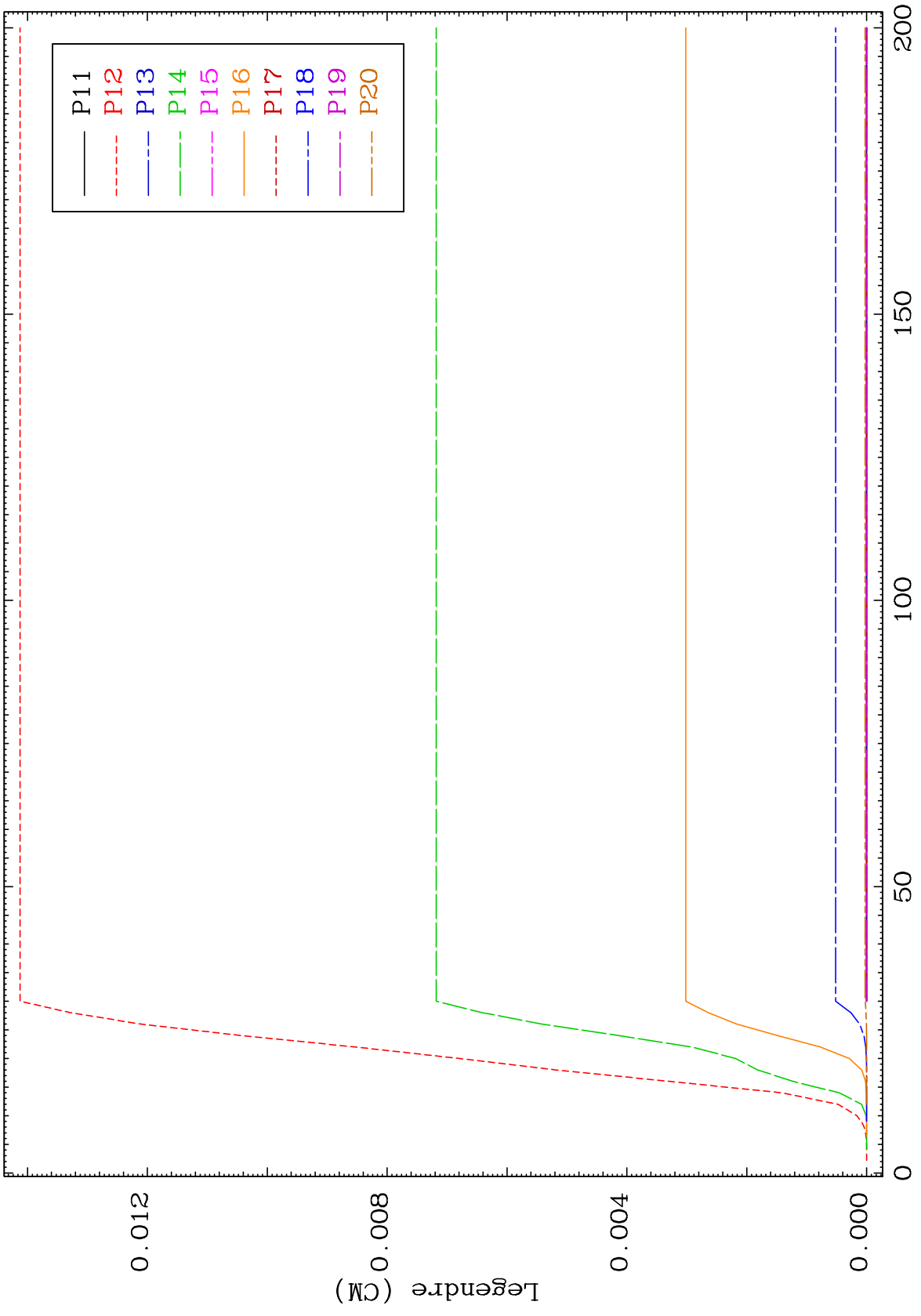
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



36

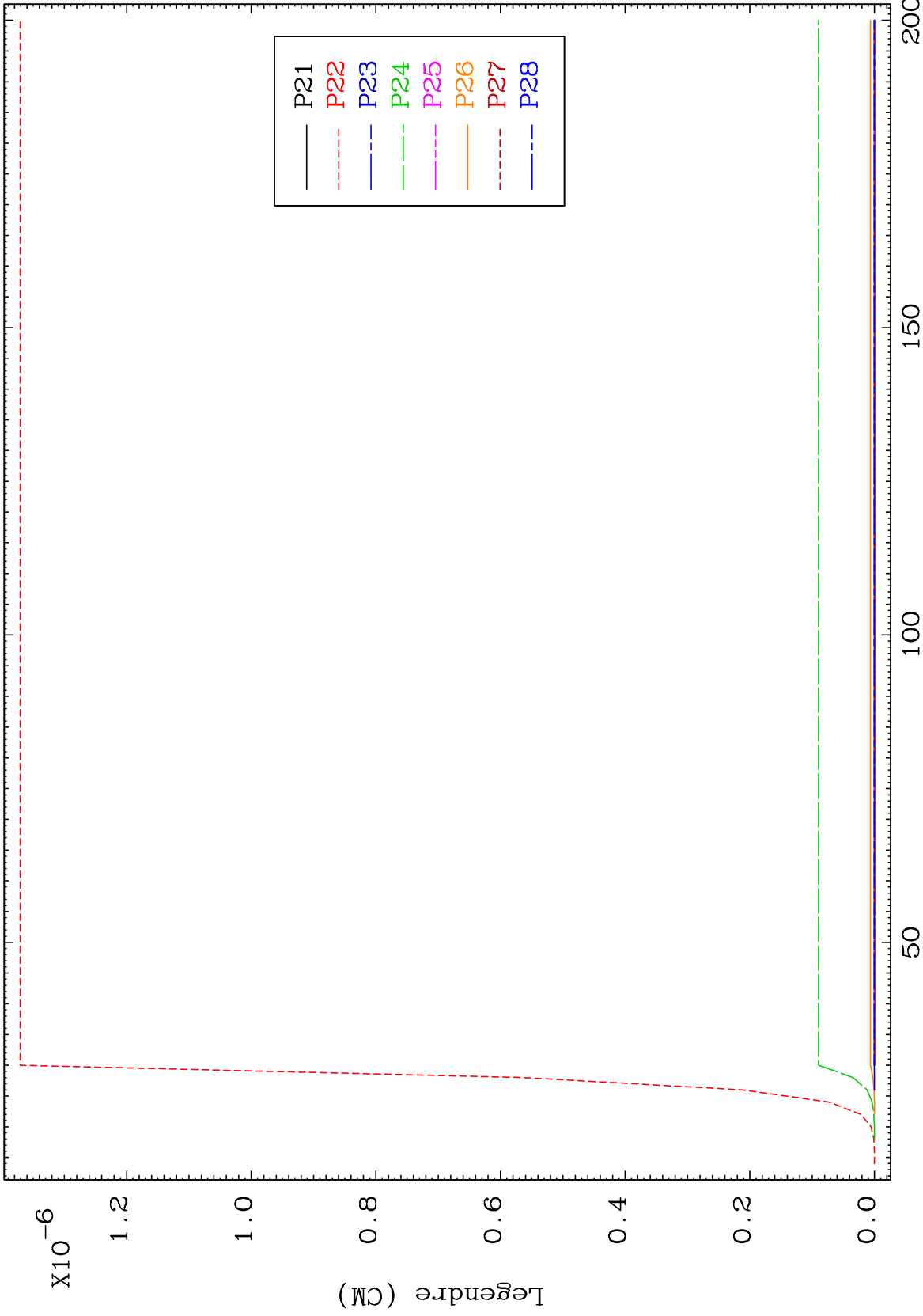
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



37

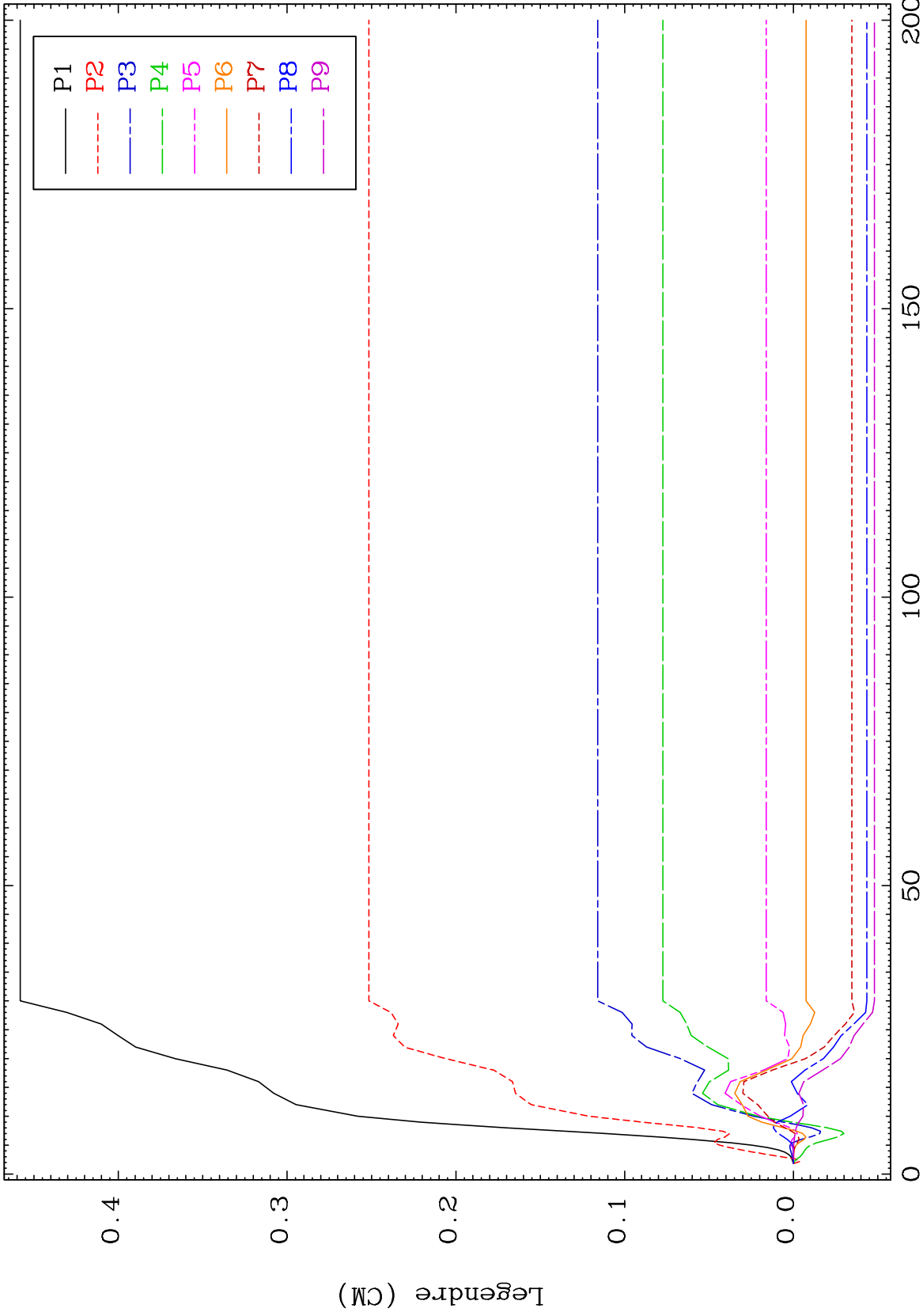
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



38

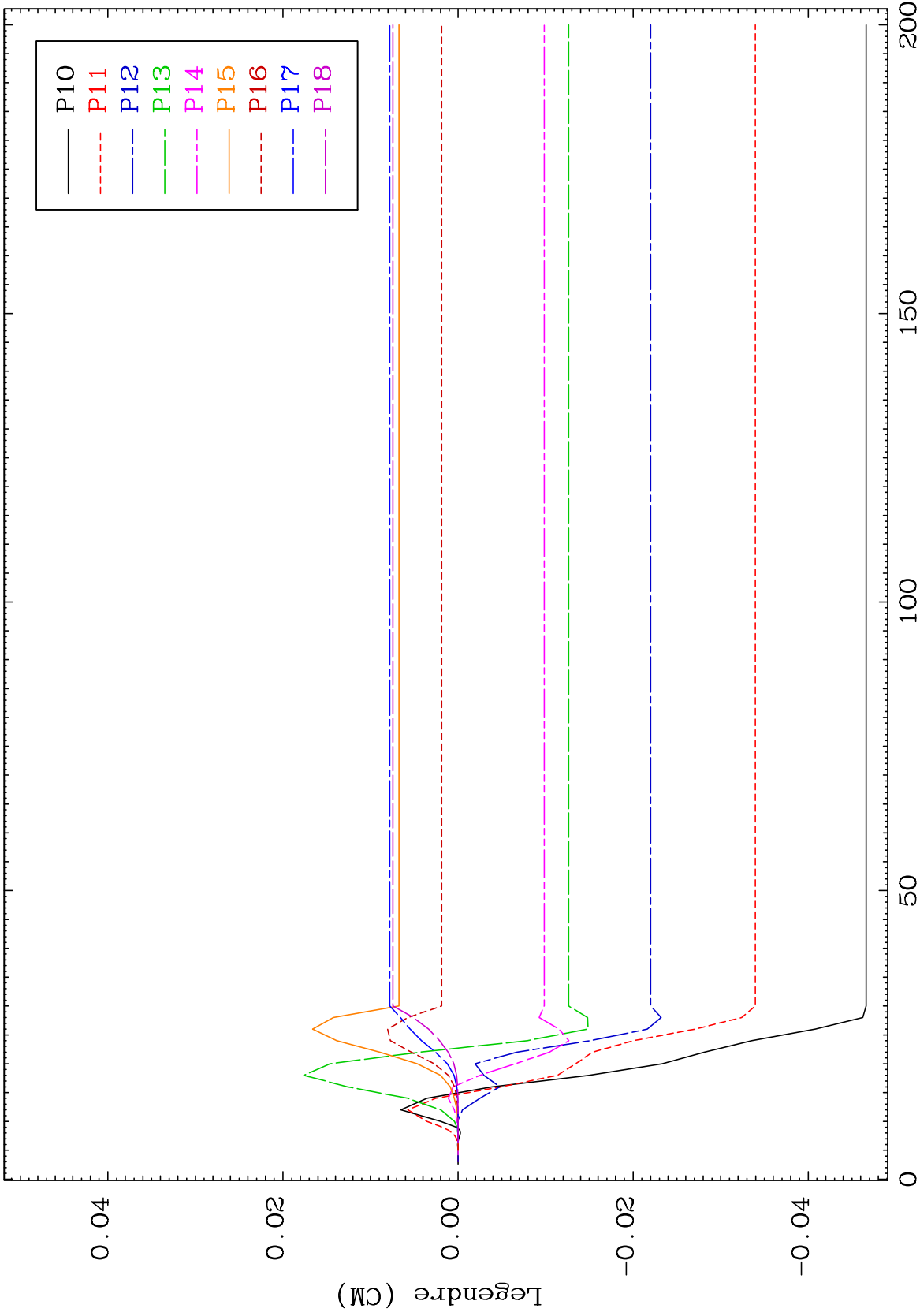
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



39

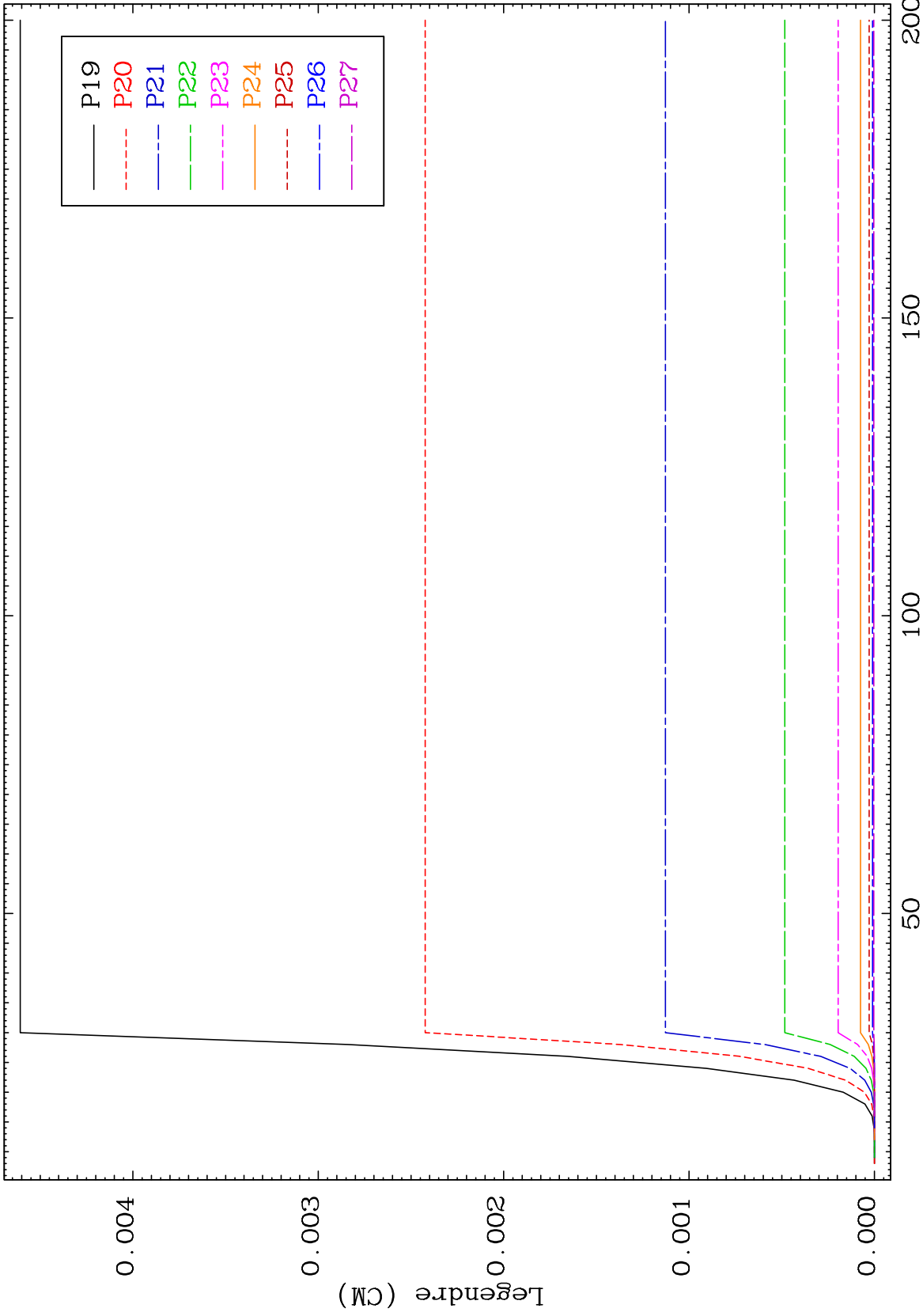
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



40

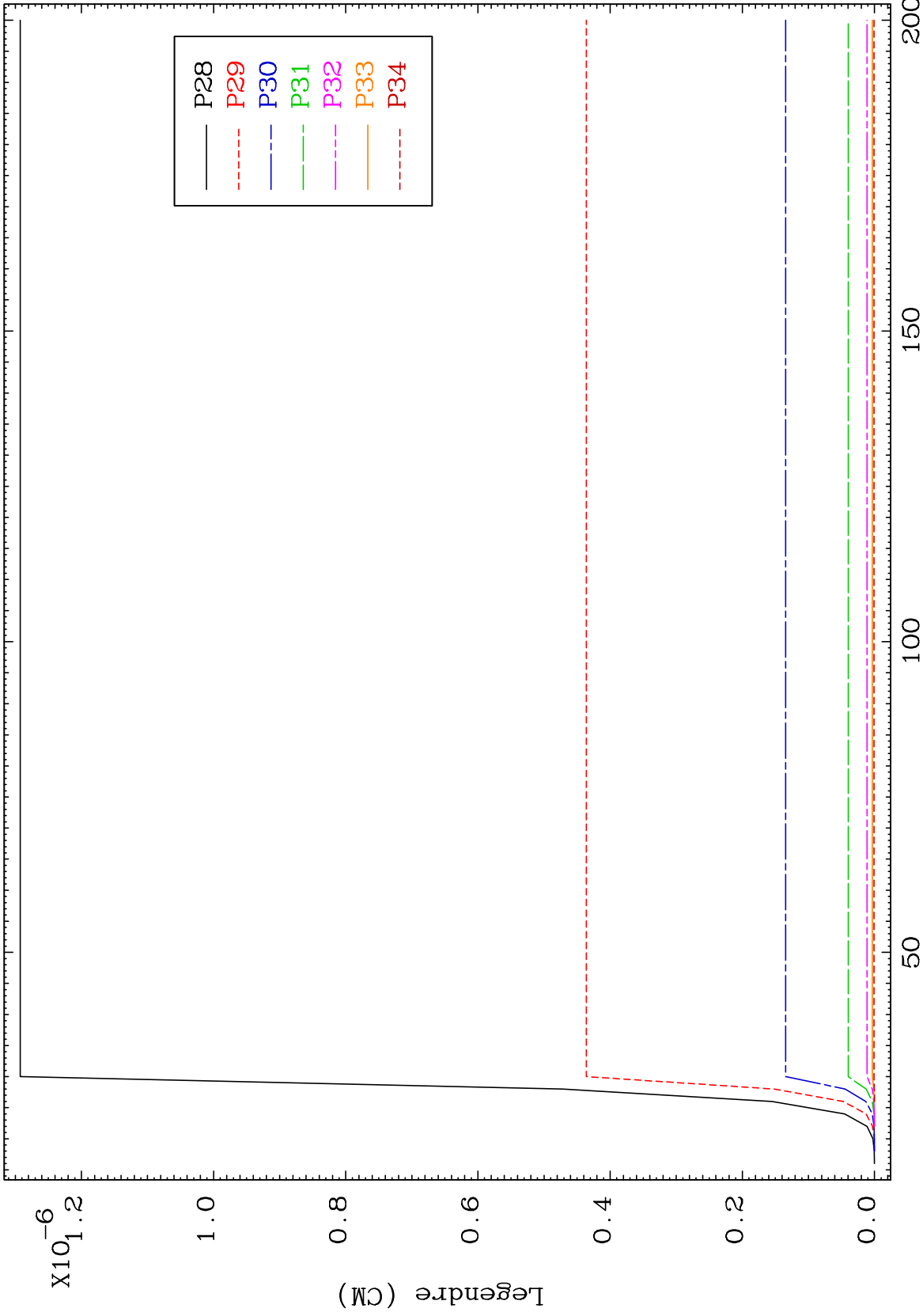
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



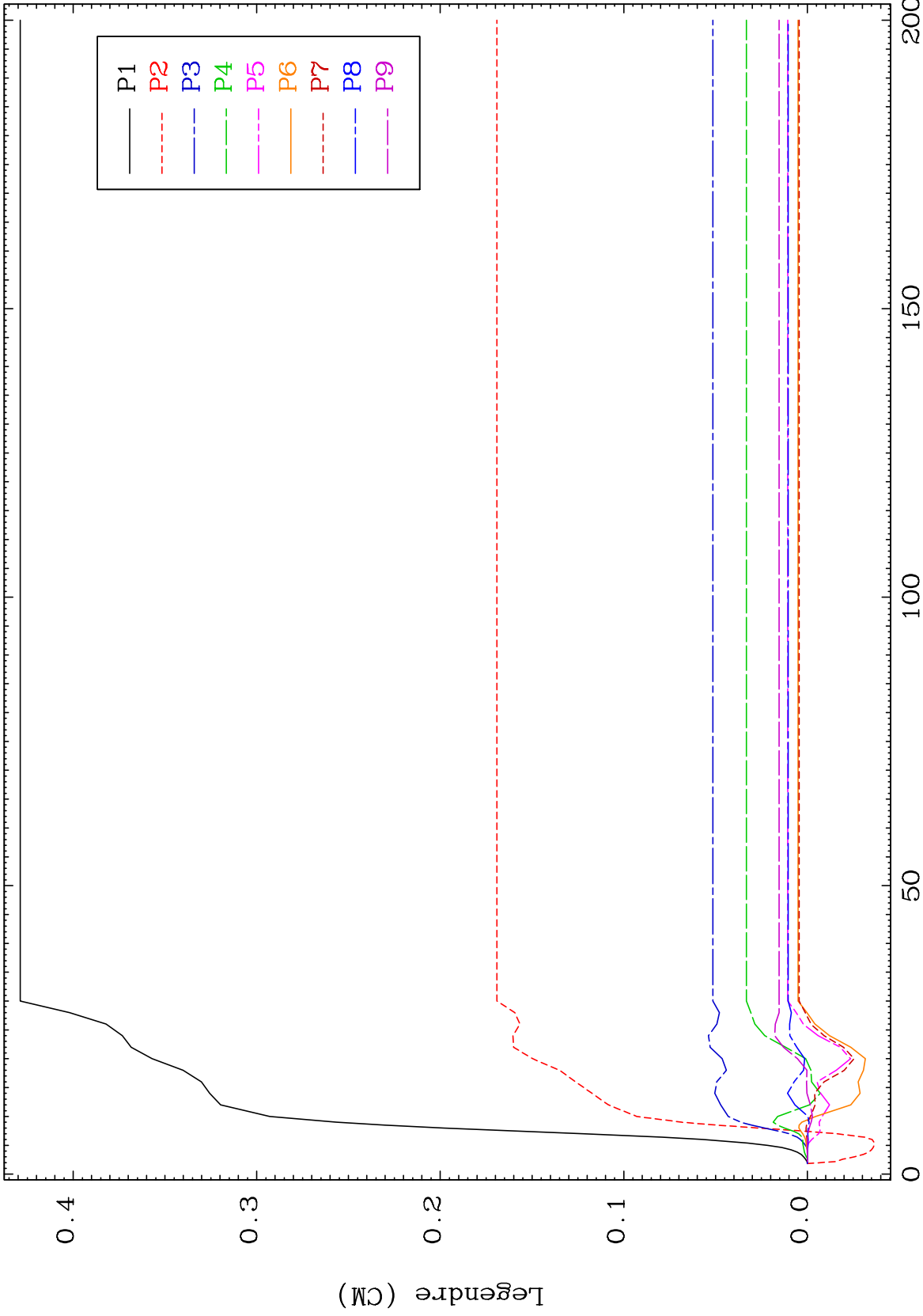
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48-Cd-110

MAT 4837

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

48-Cd-110



42

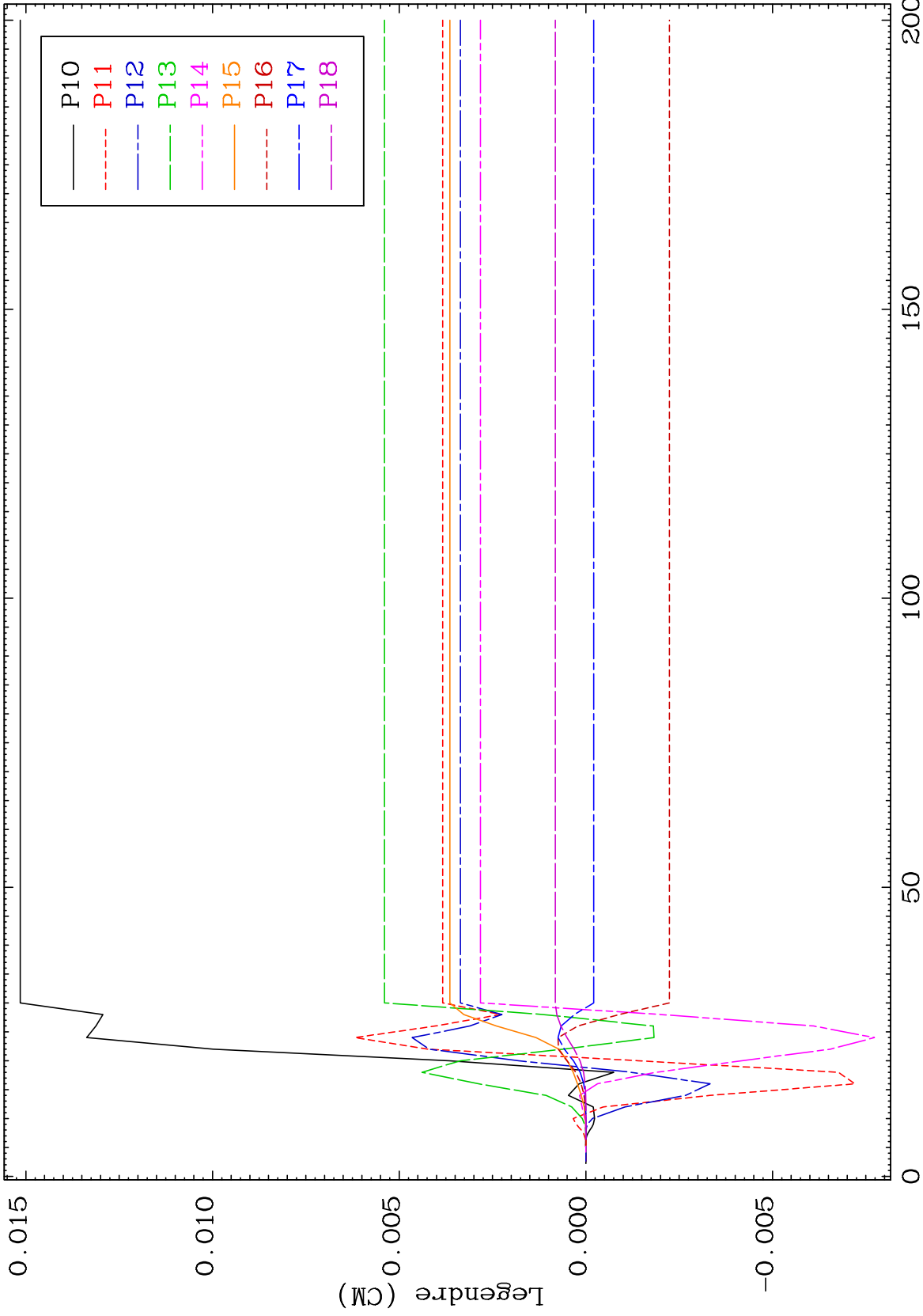
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



43

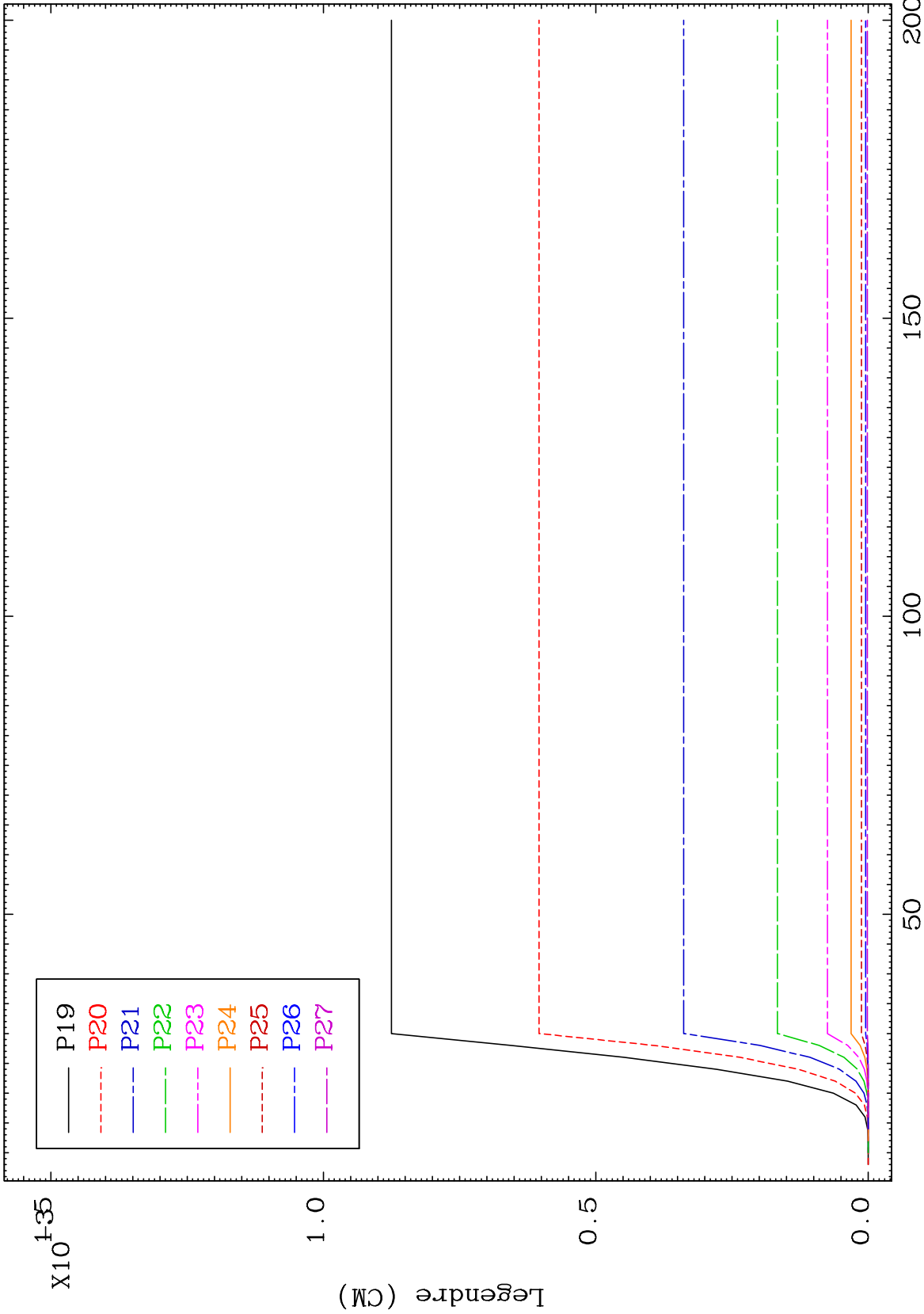
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



44

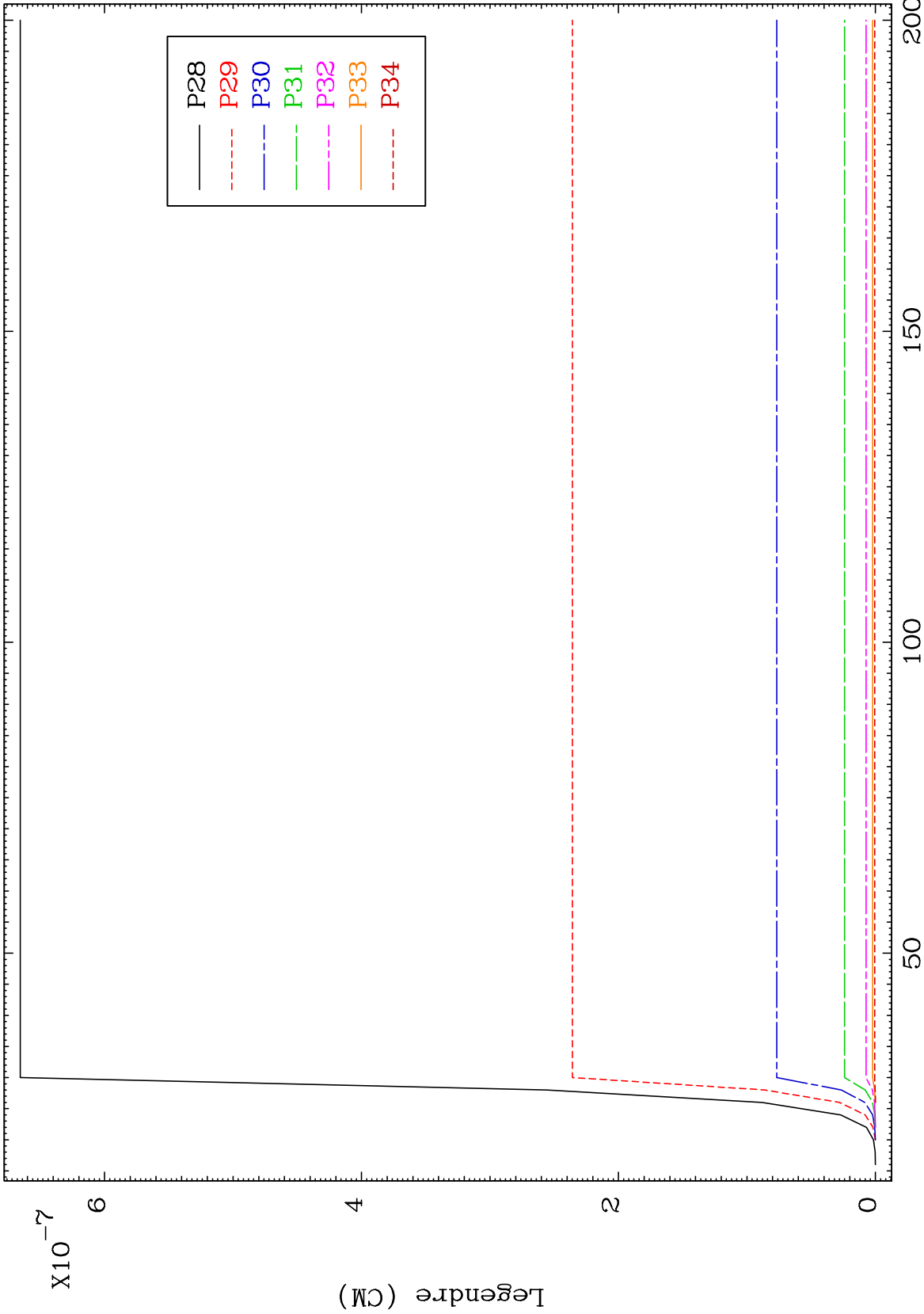
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



45

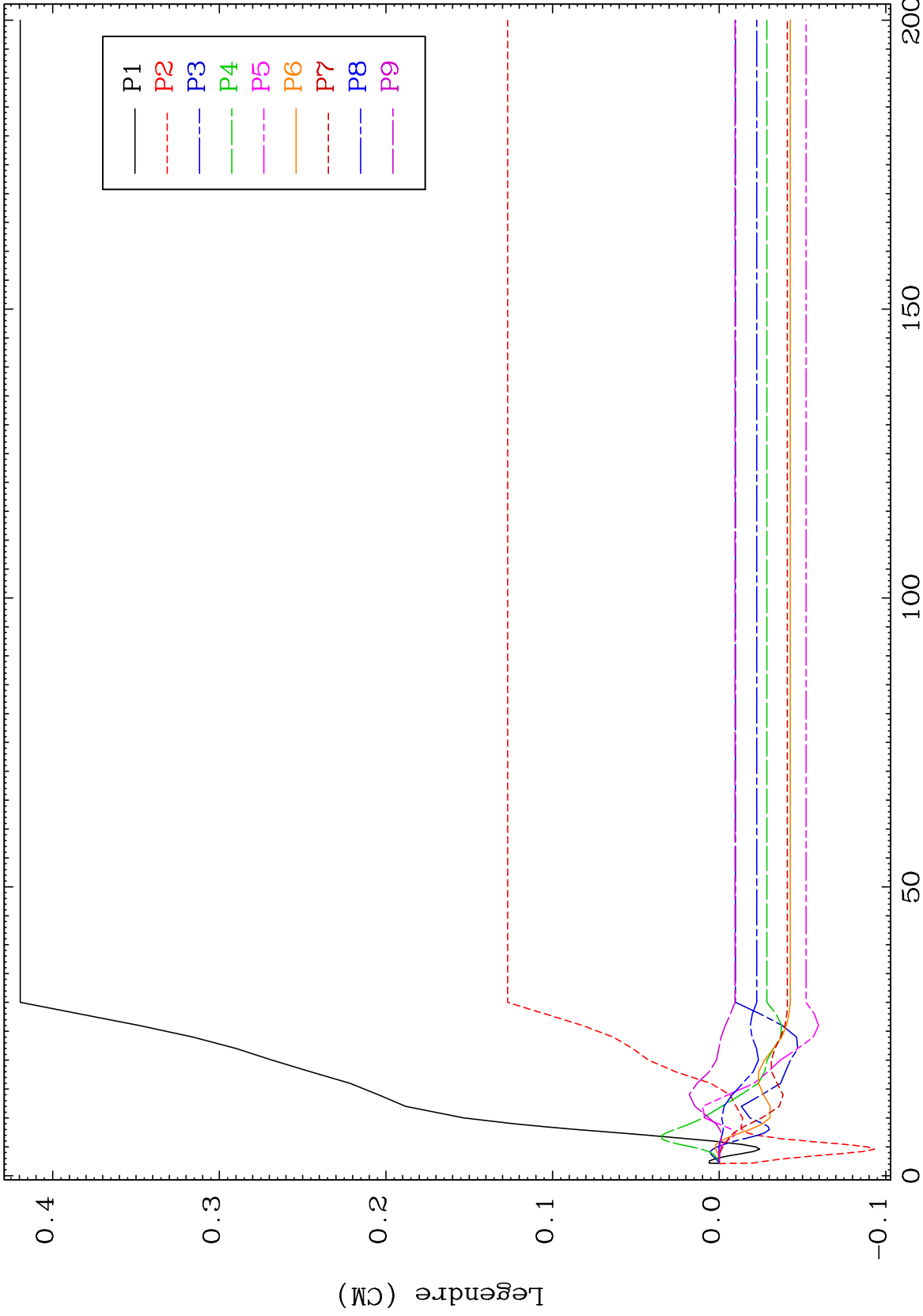
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



46

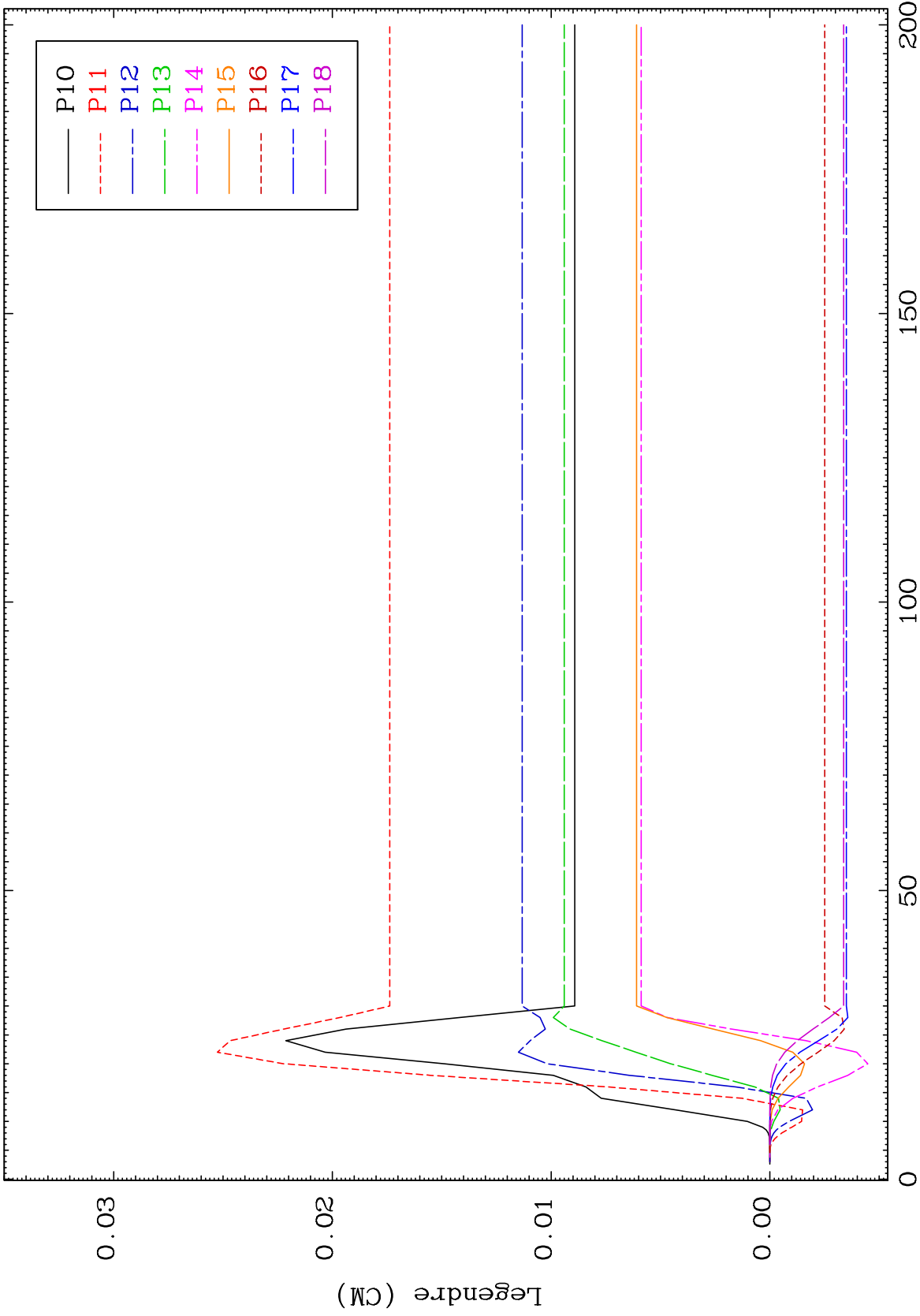
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



47

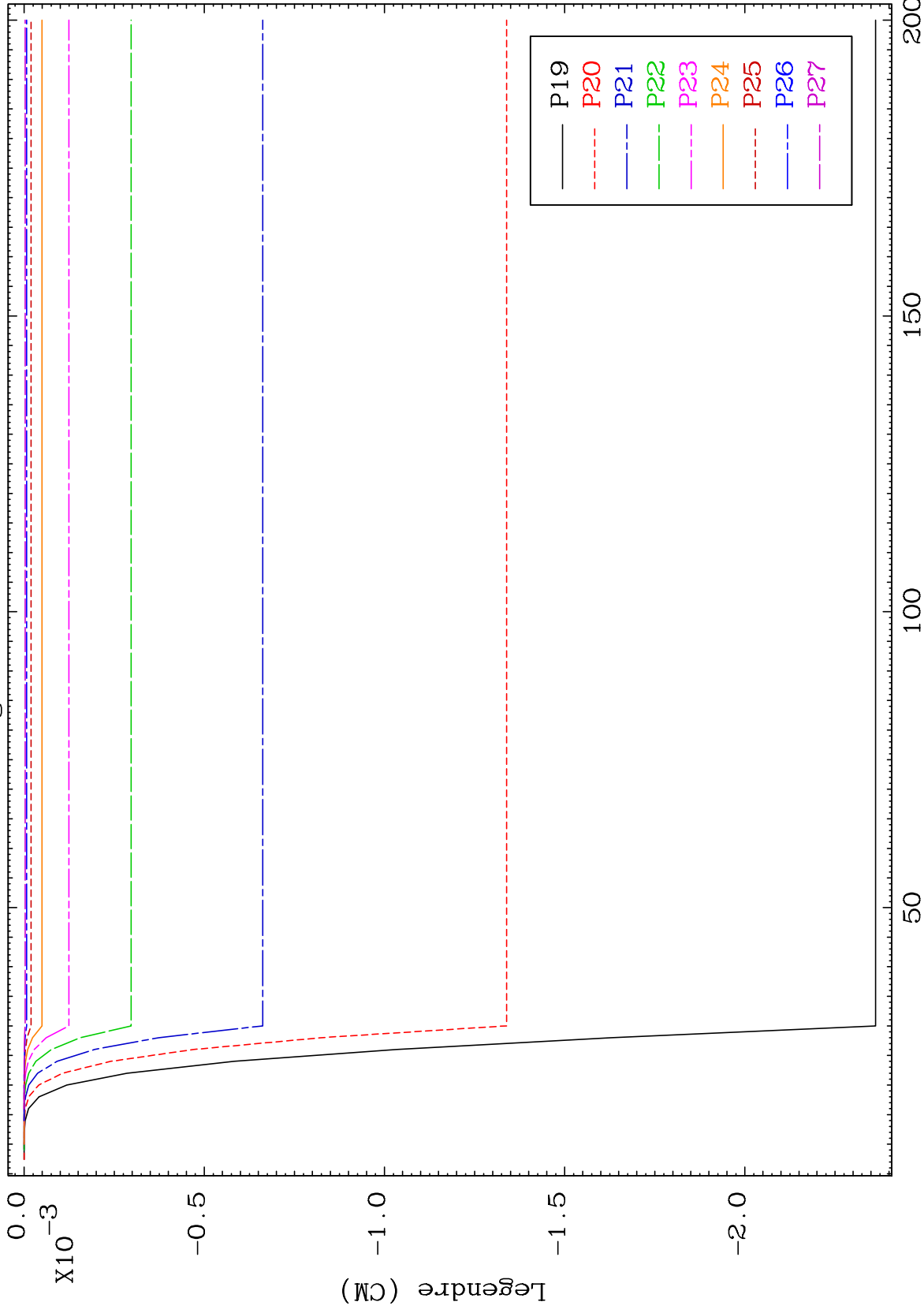
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

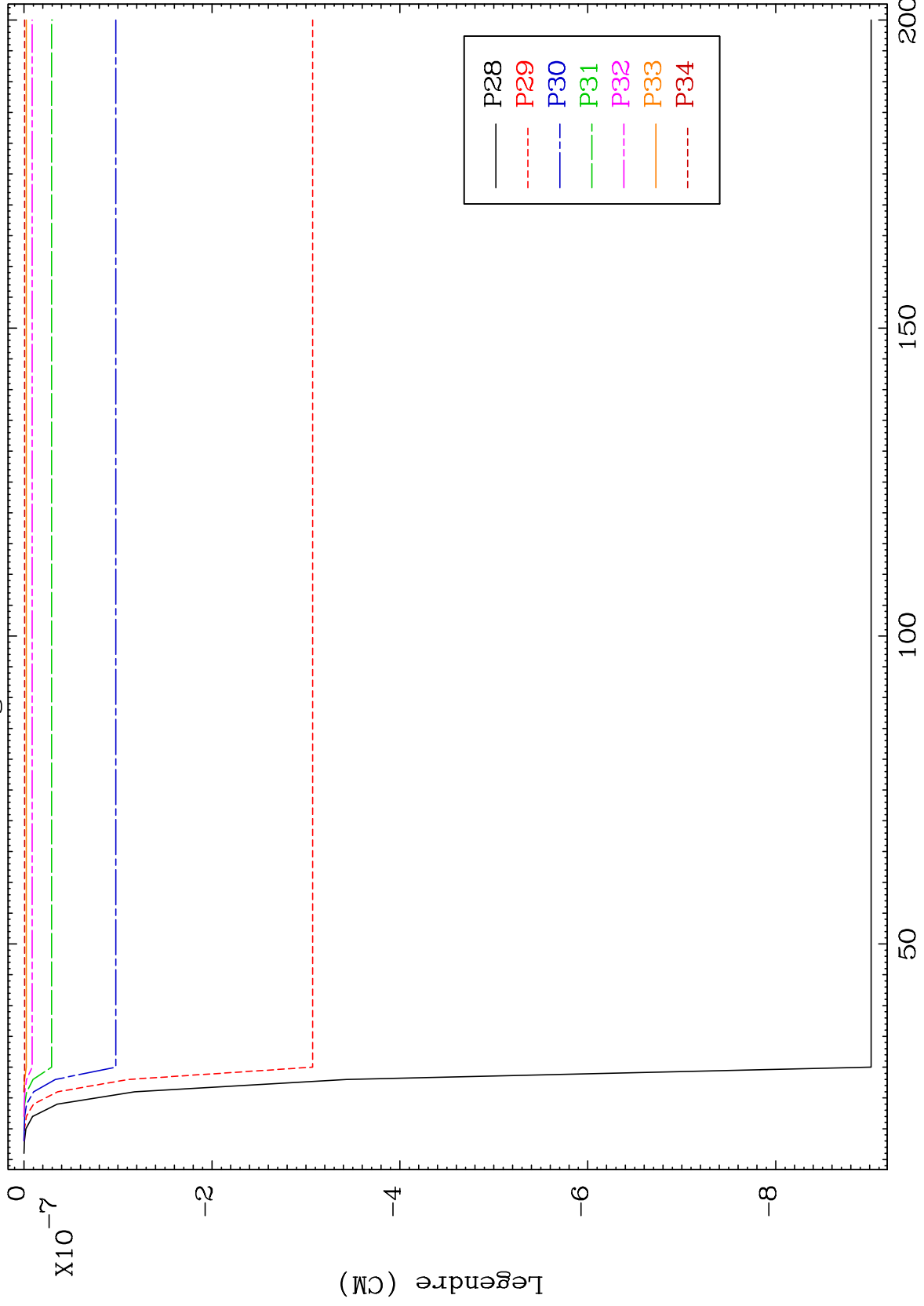
48-Cd-110



MAT 4837

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

48-Cd-110



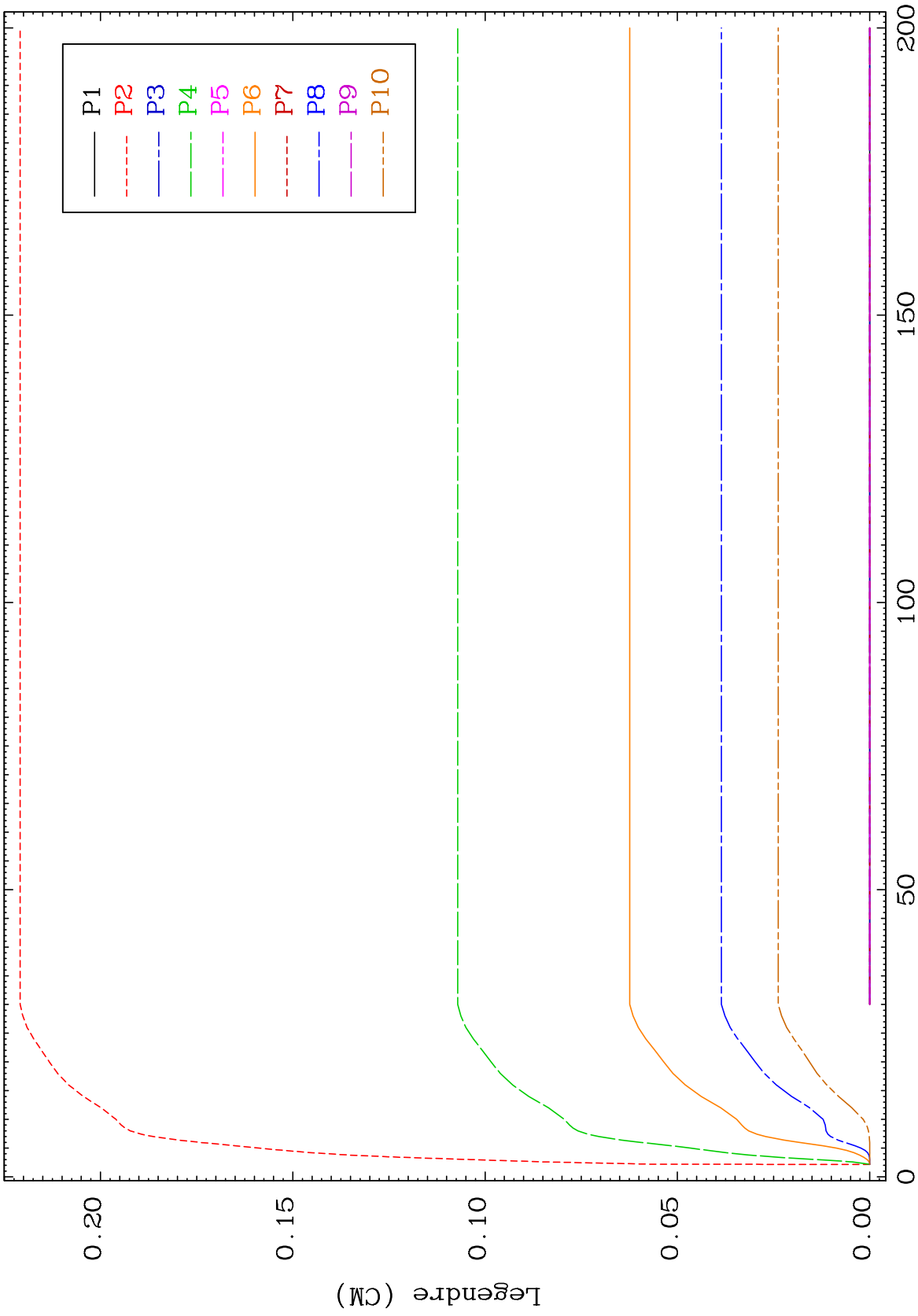
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48-Cd-110

MAT 4837

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

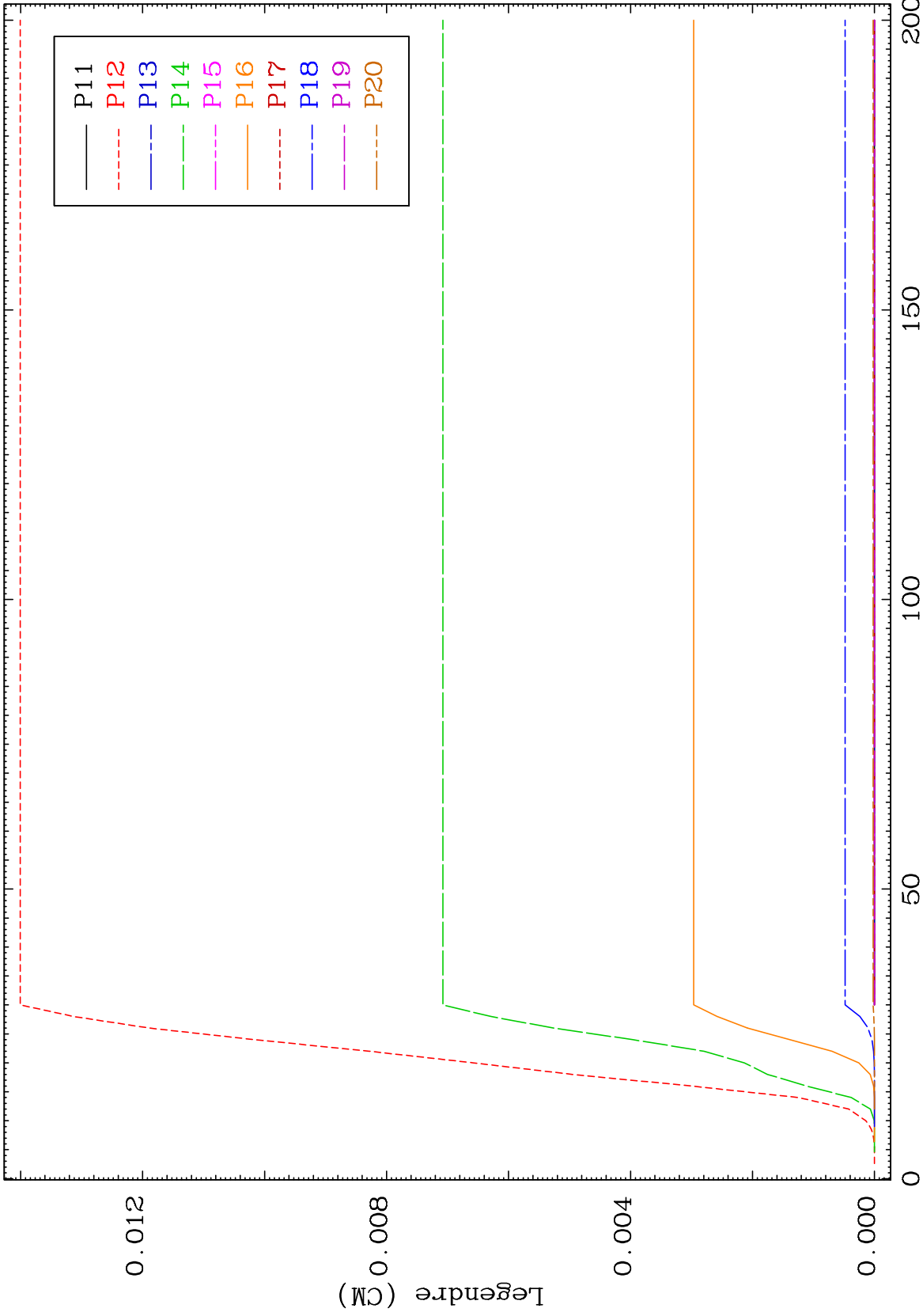
48-Cd-110



MAT 4837

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

48-Cd-110



51

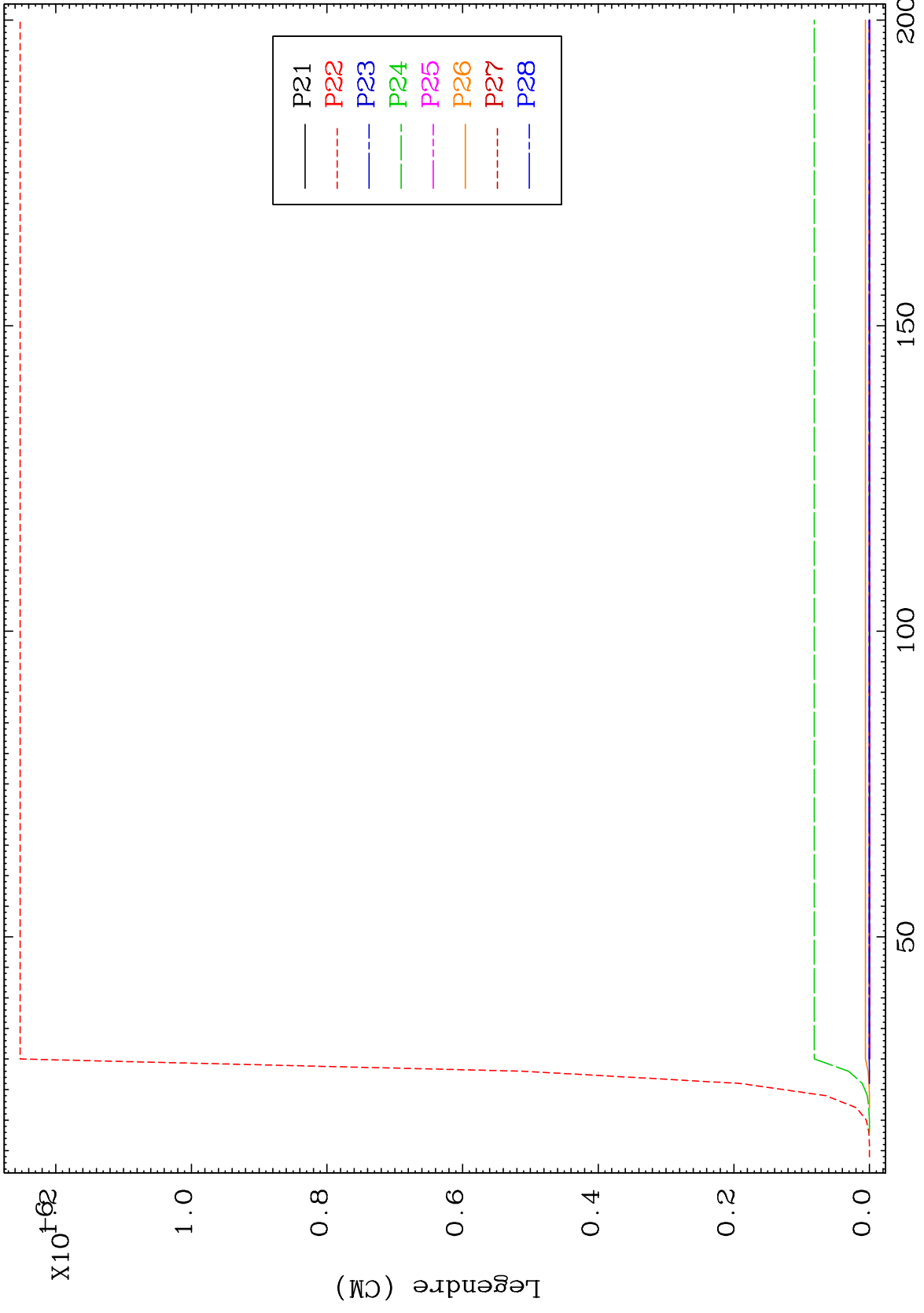
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



52

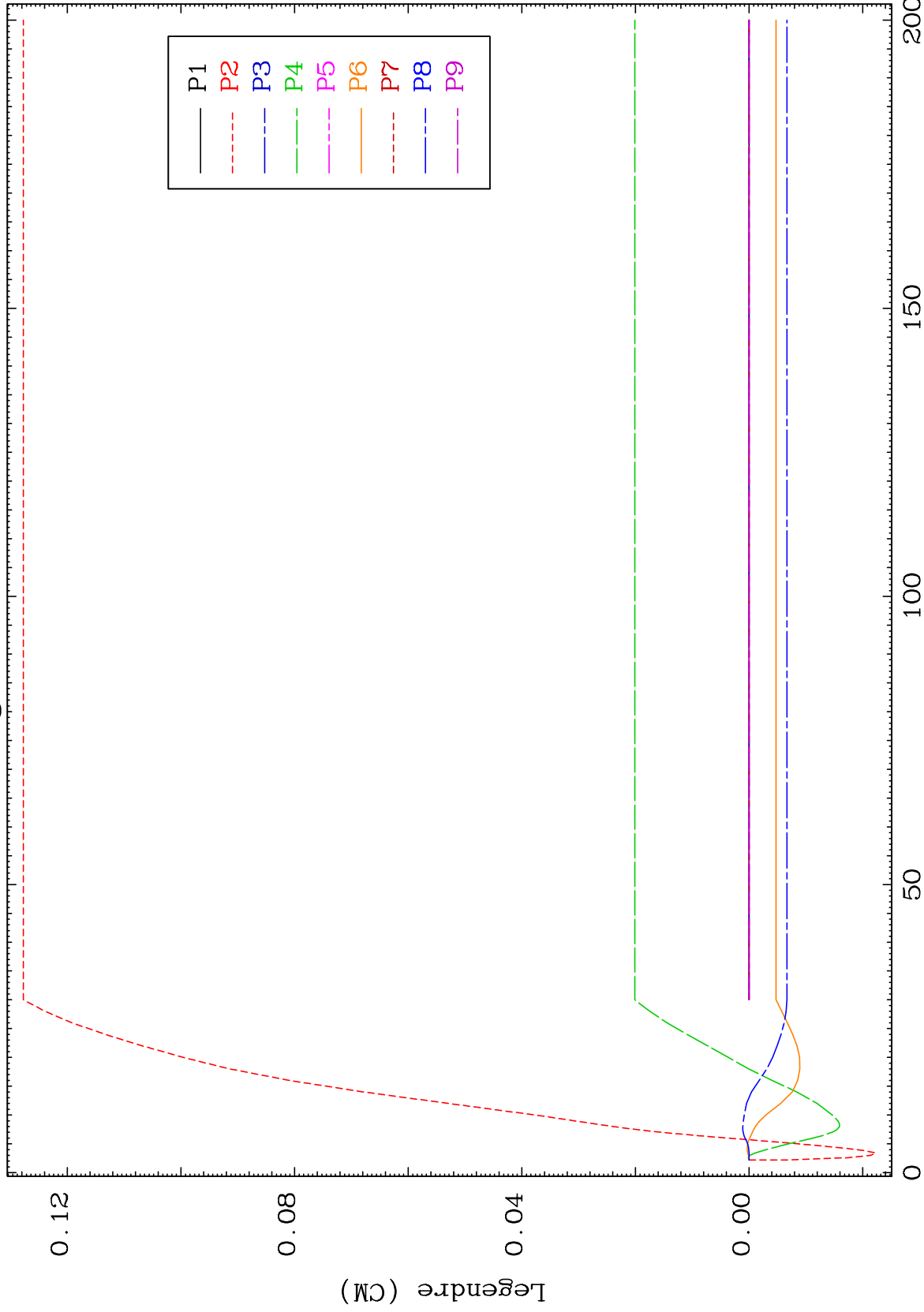
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



53

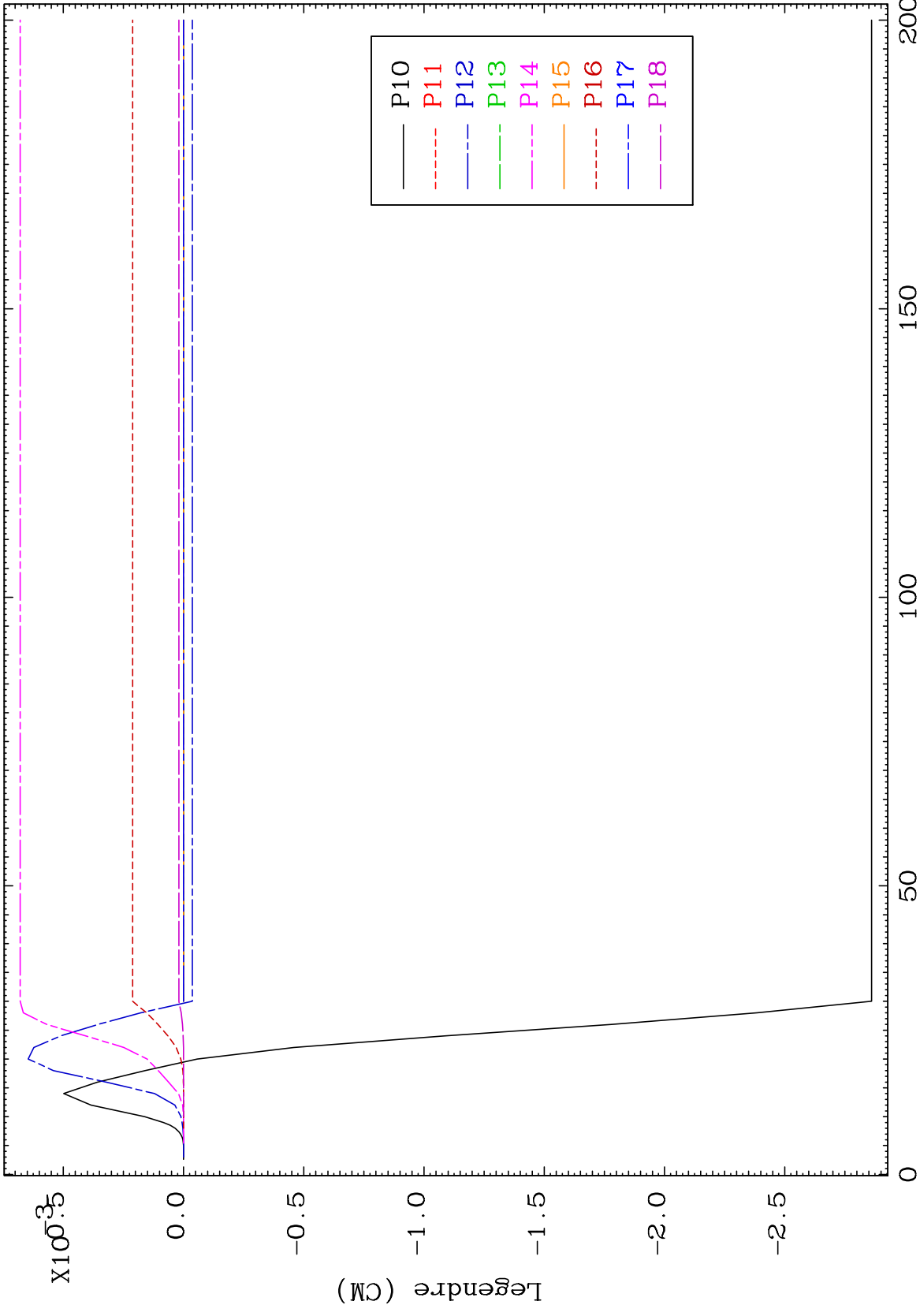
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



54

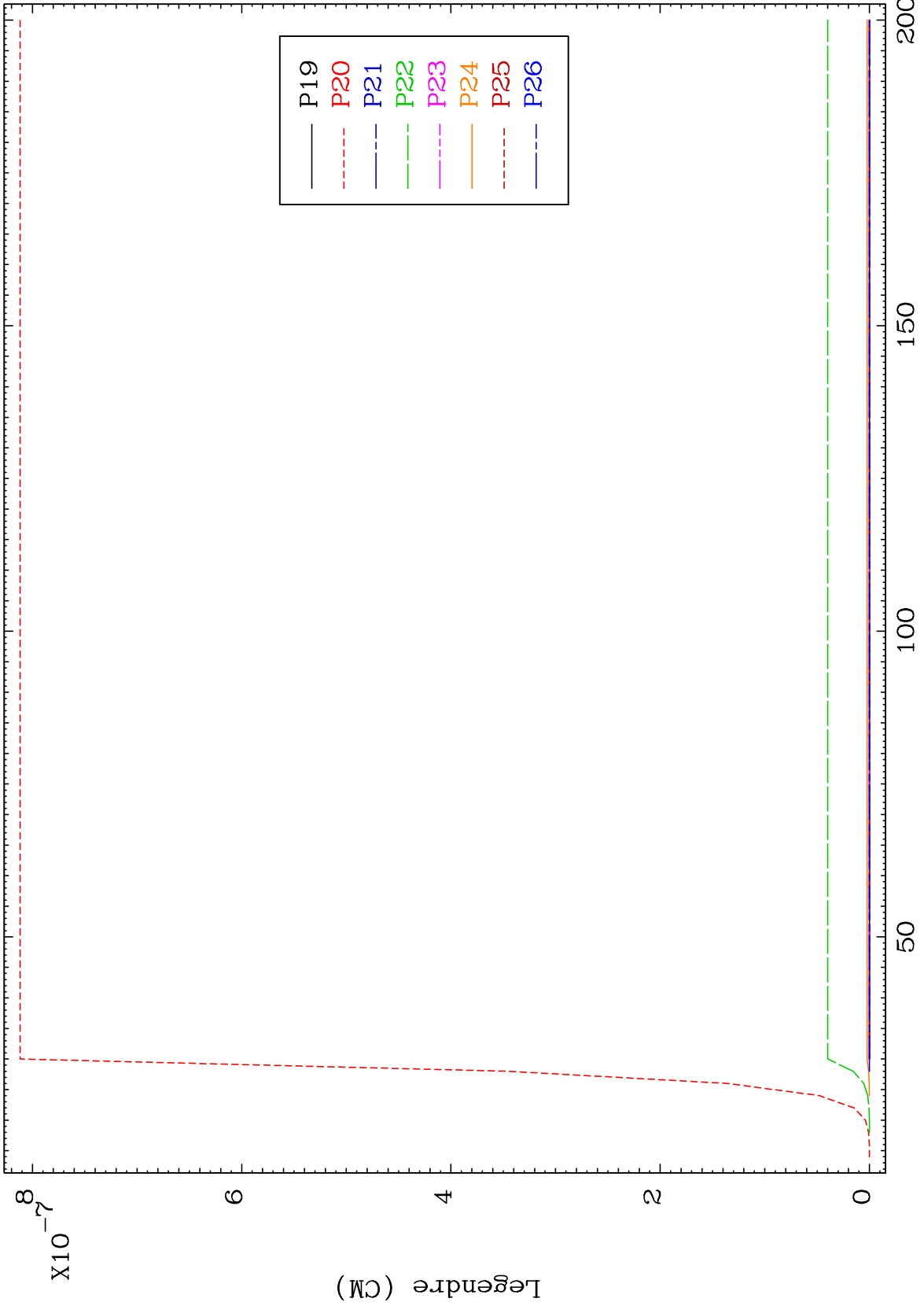
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



55

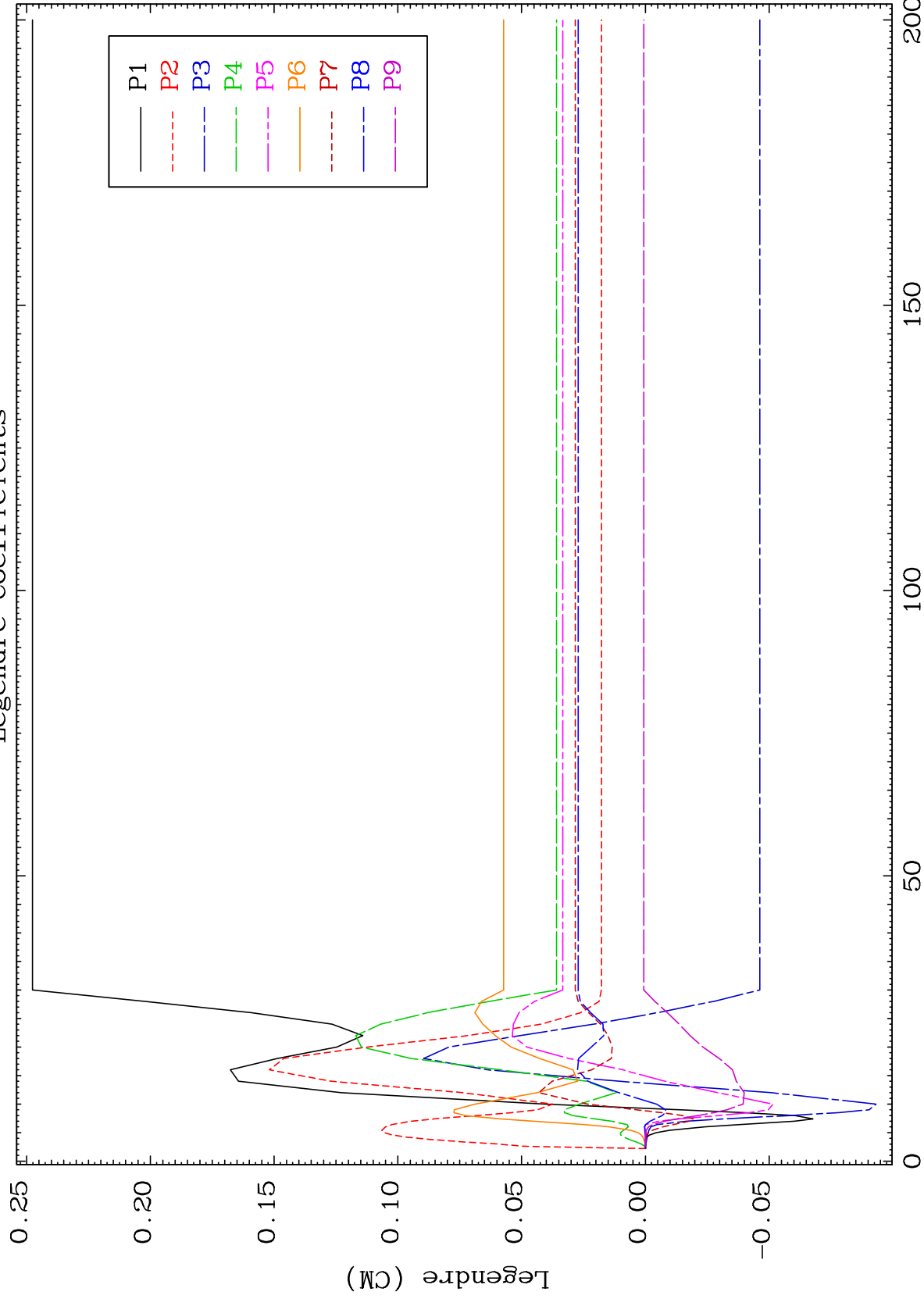
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



56

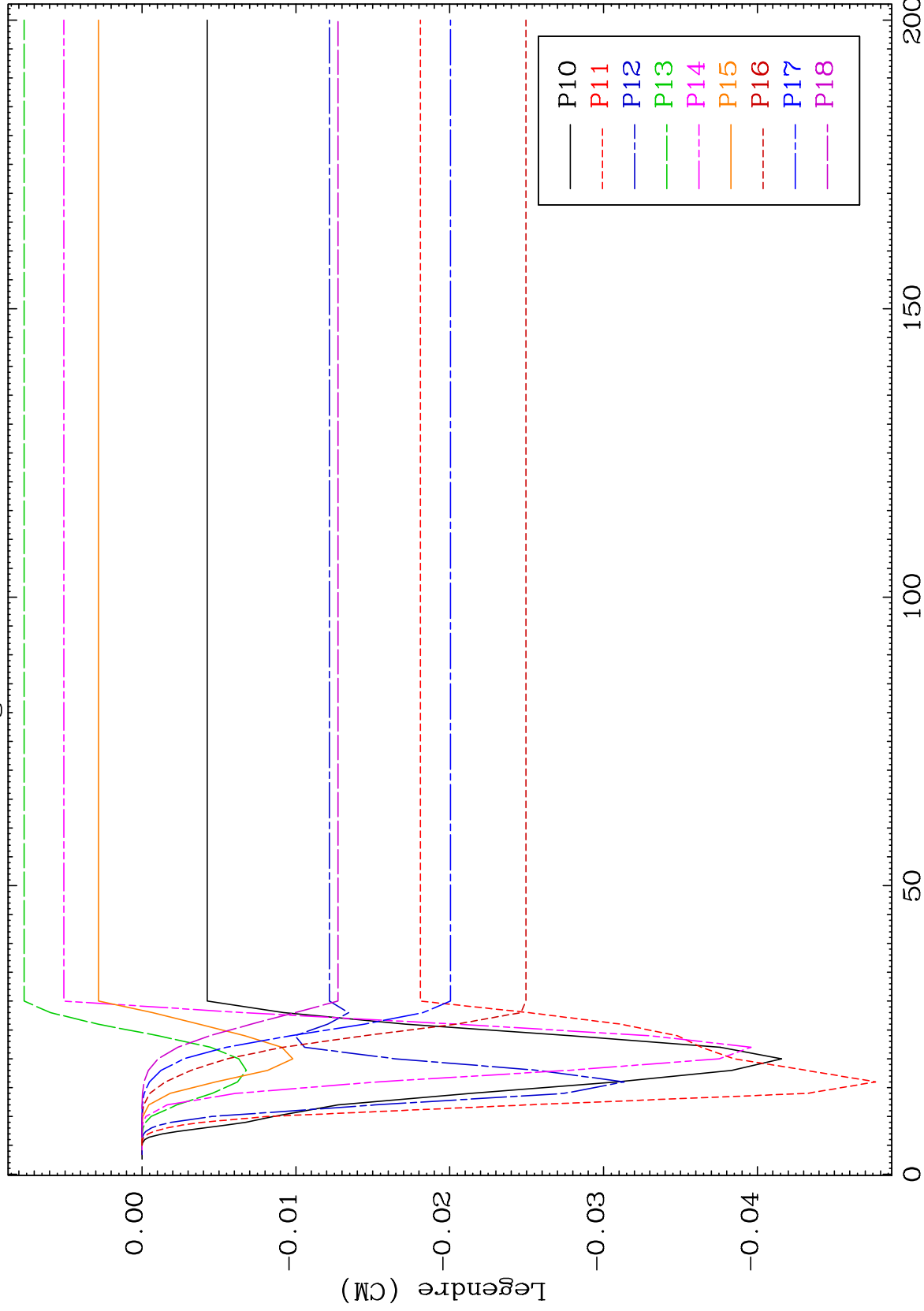
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



57

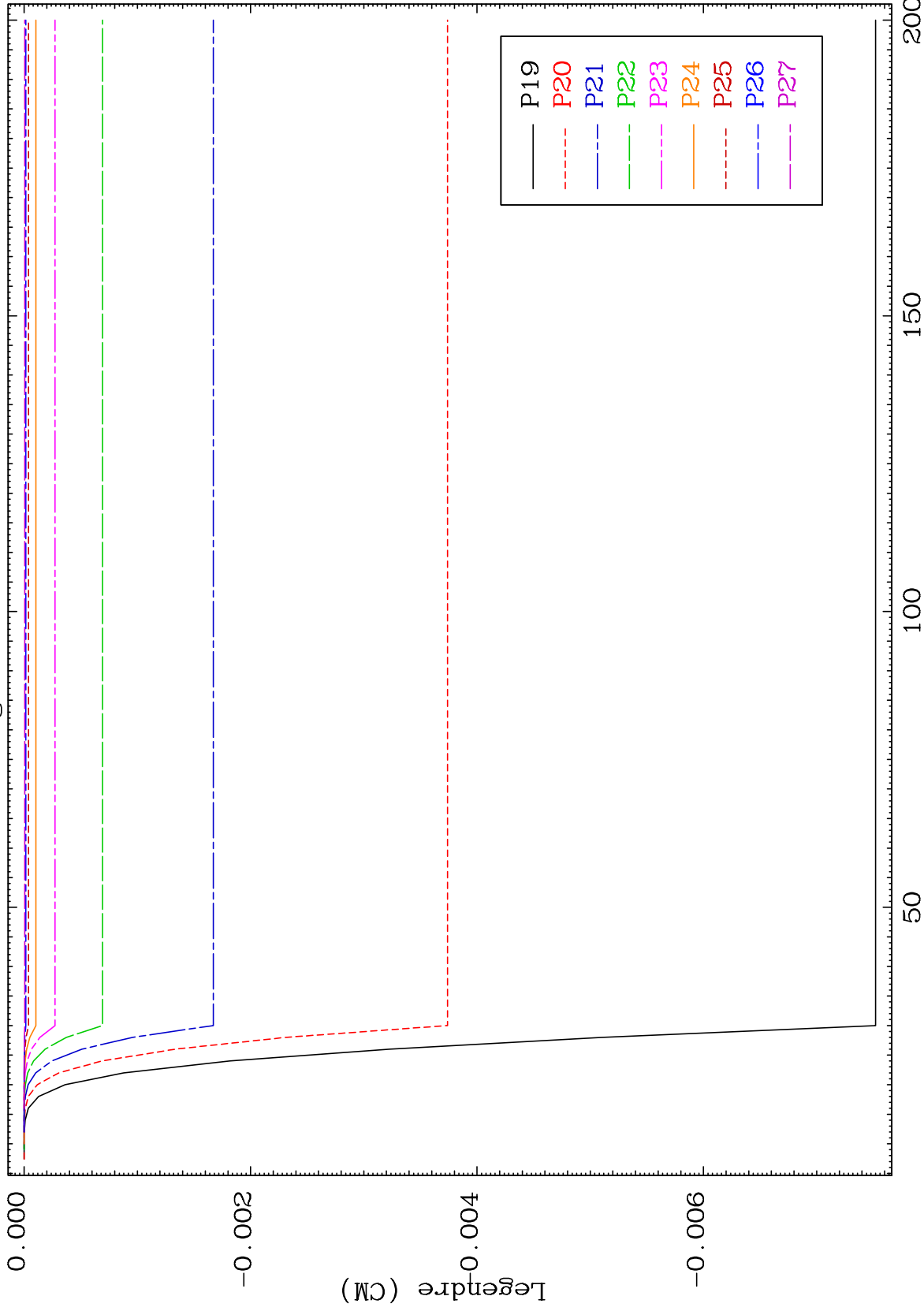
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



48-Cd-110

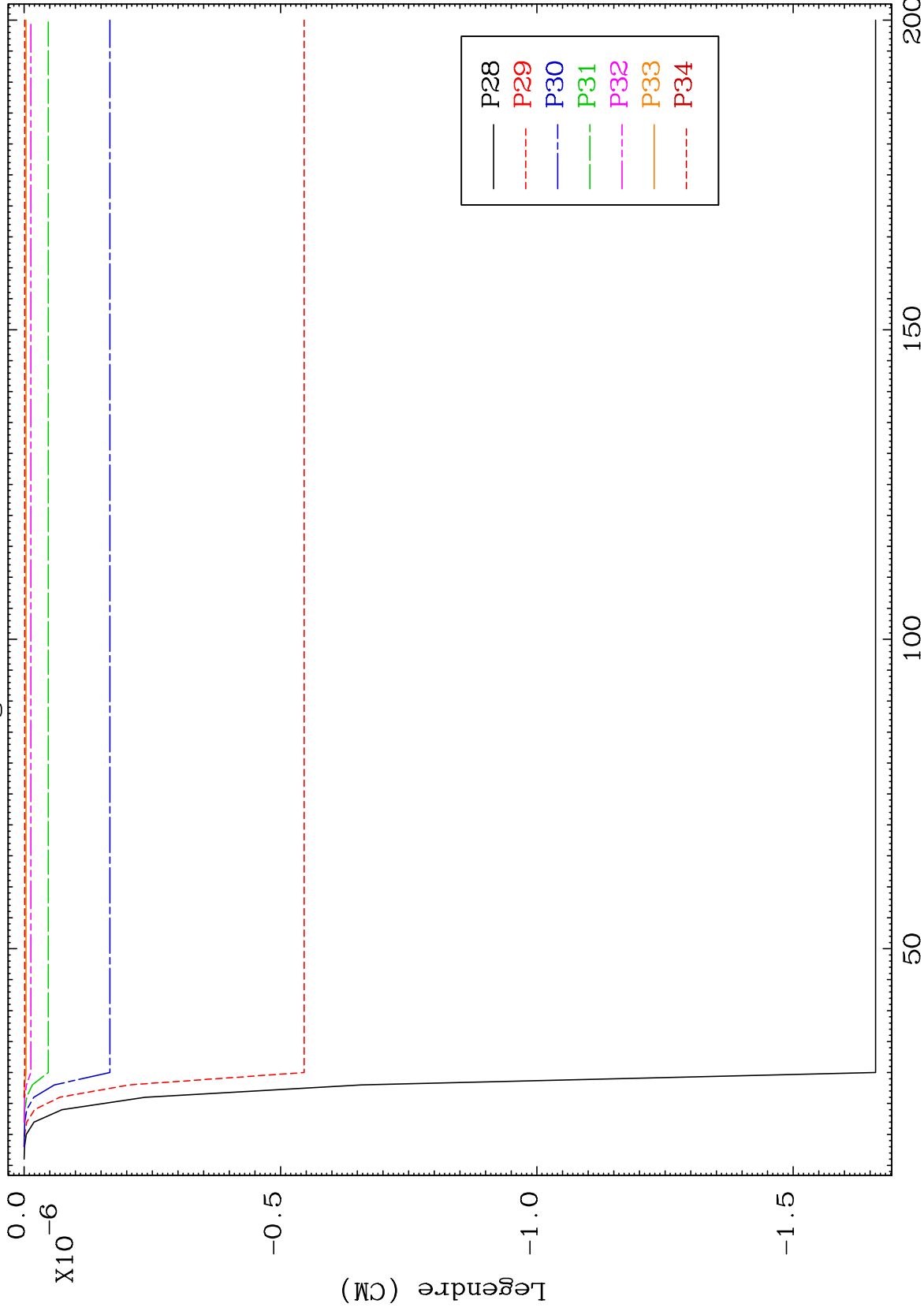
Incident Energy (MeV)

58

MAT 4837

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

48-Cd-110



48-Cd-110

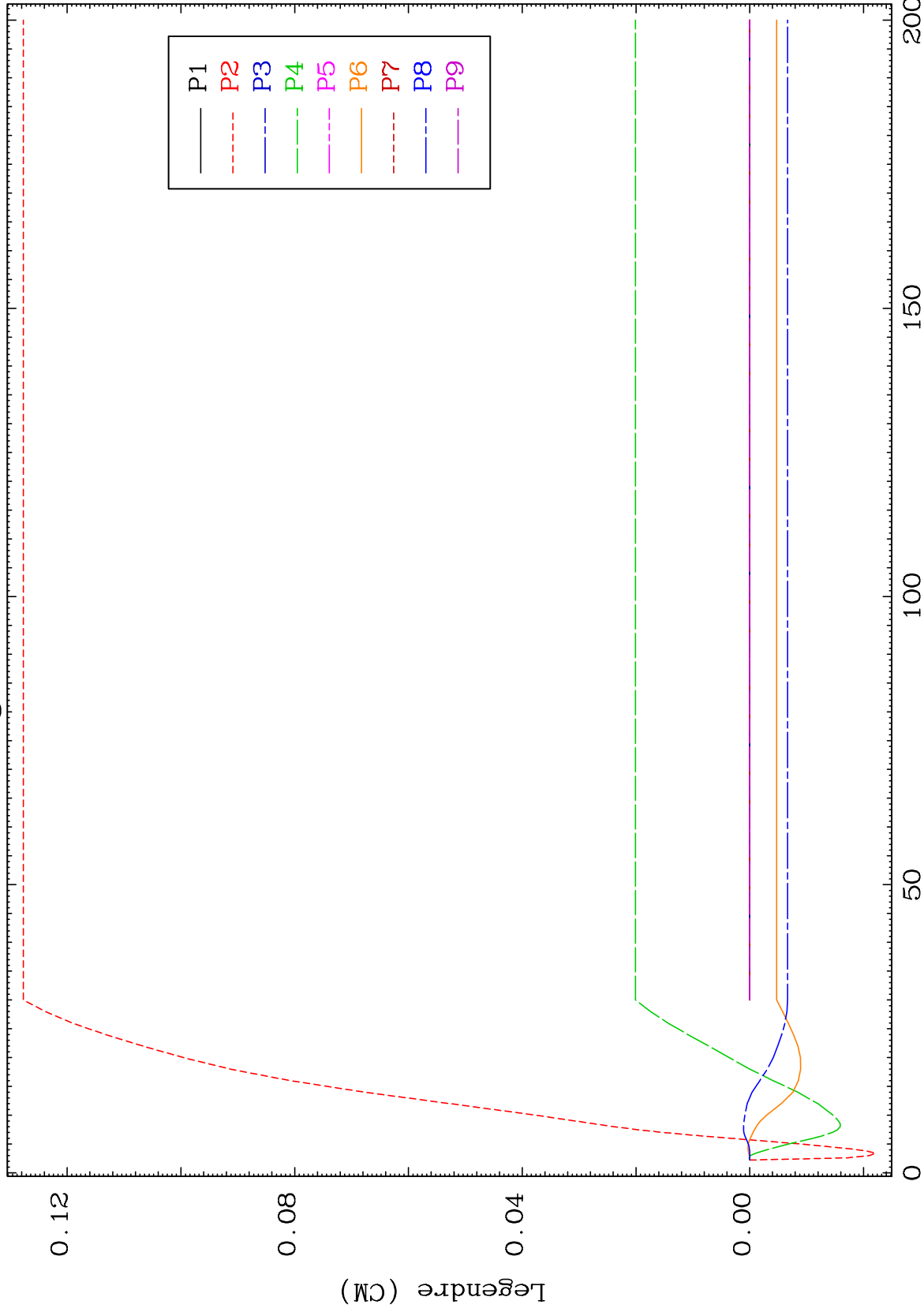
Incident Energy (MeV)

59

MAT 4837

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

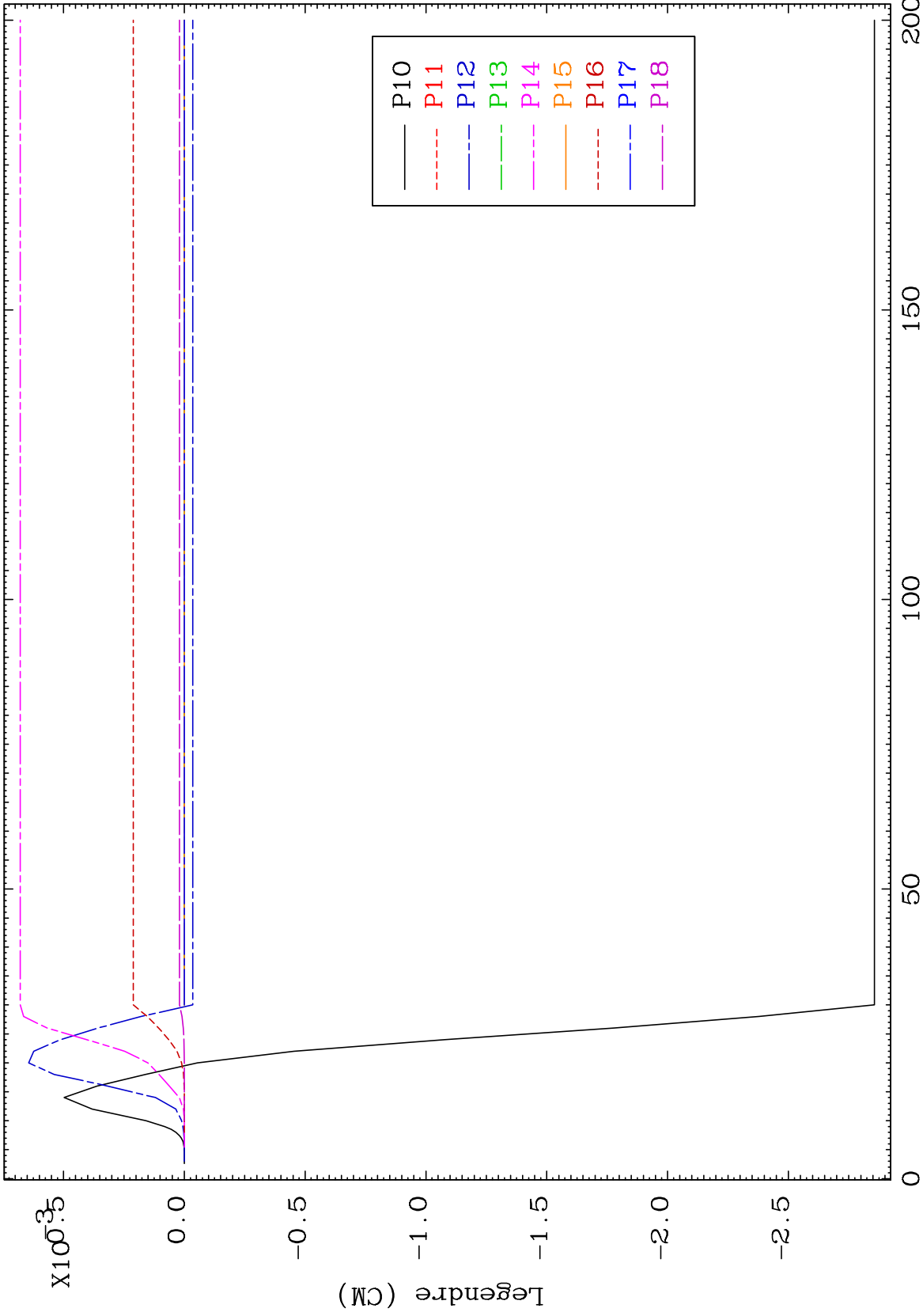
48-Cd-110



MAT 4837

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

48-Cd-110



61

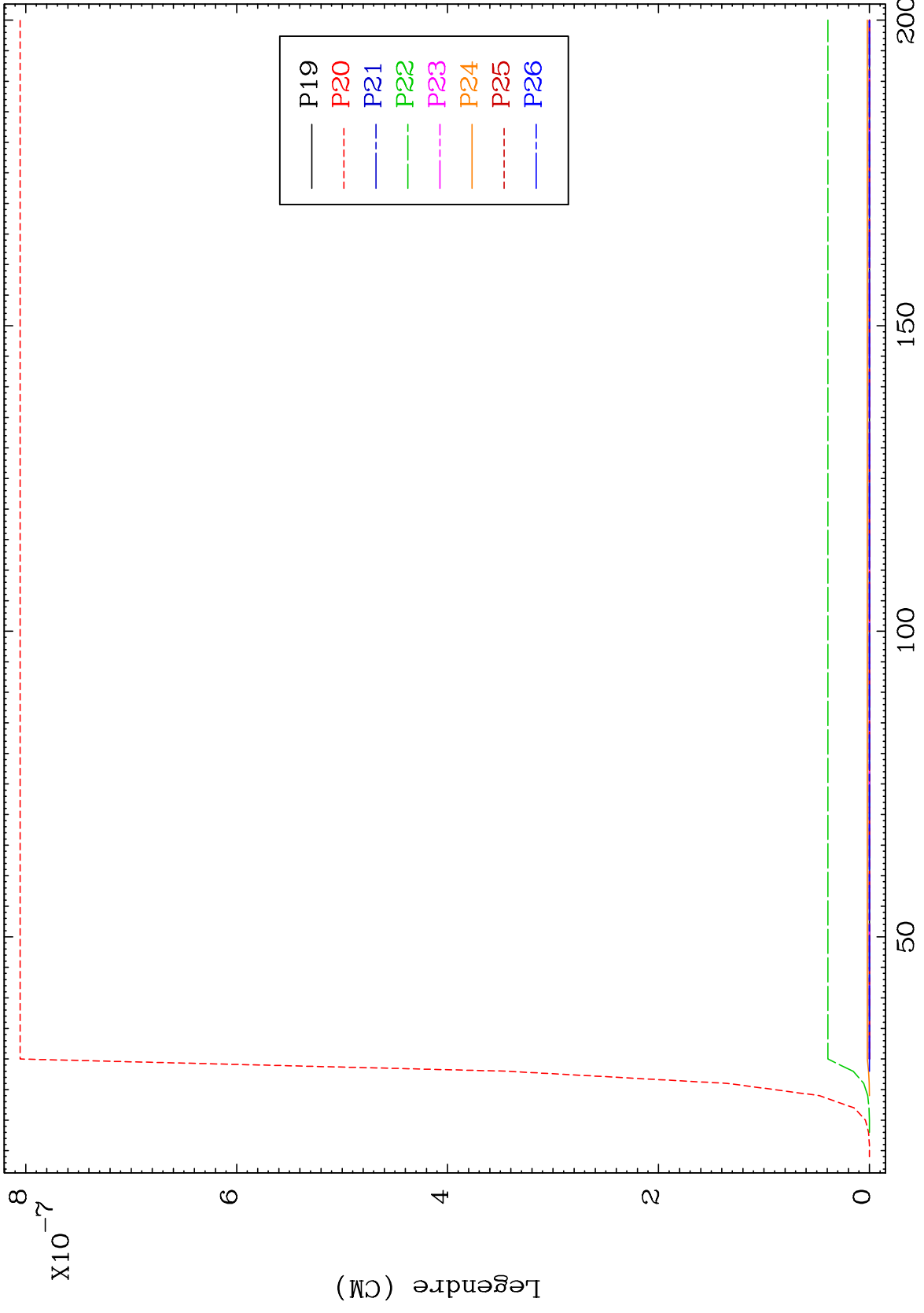
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



62

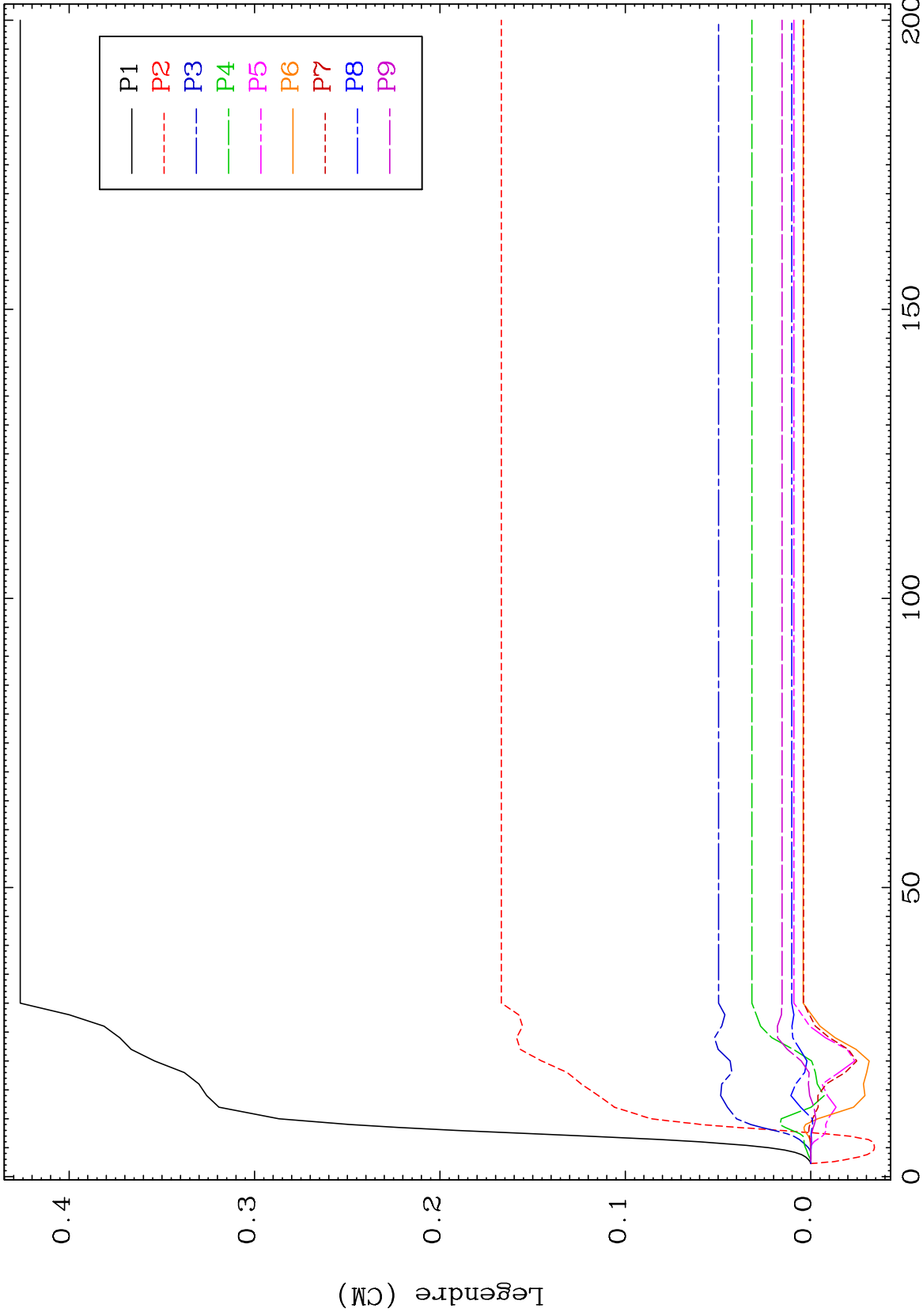
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



63

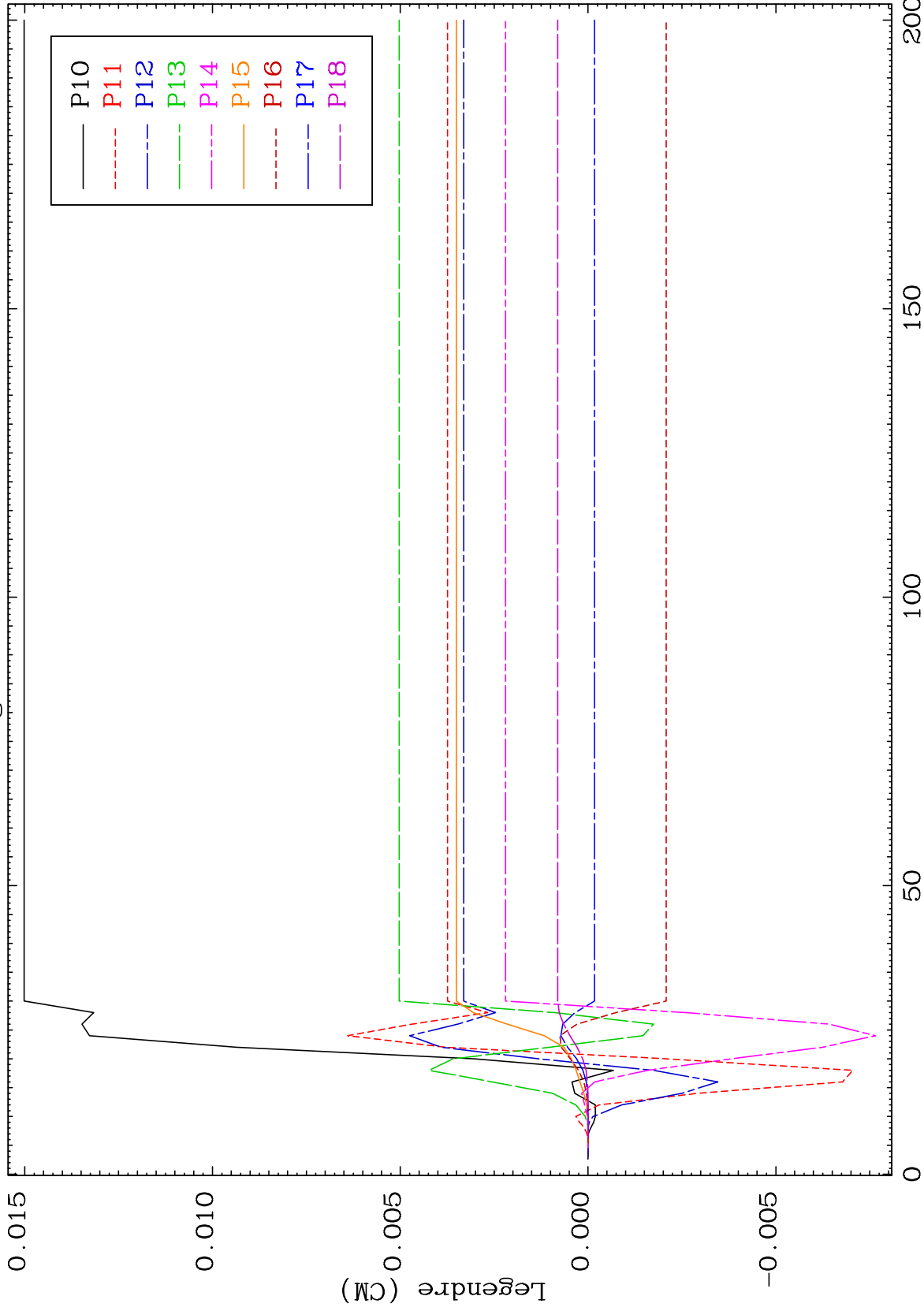
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



64

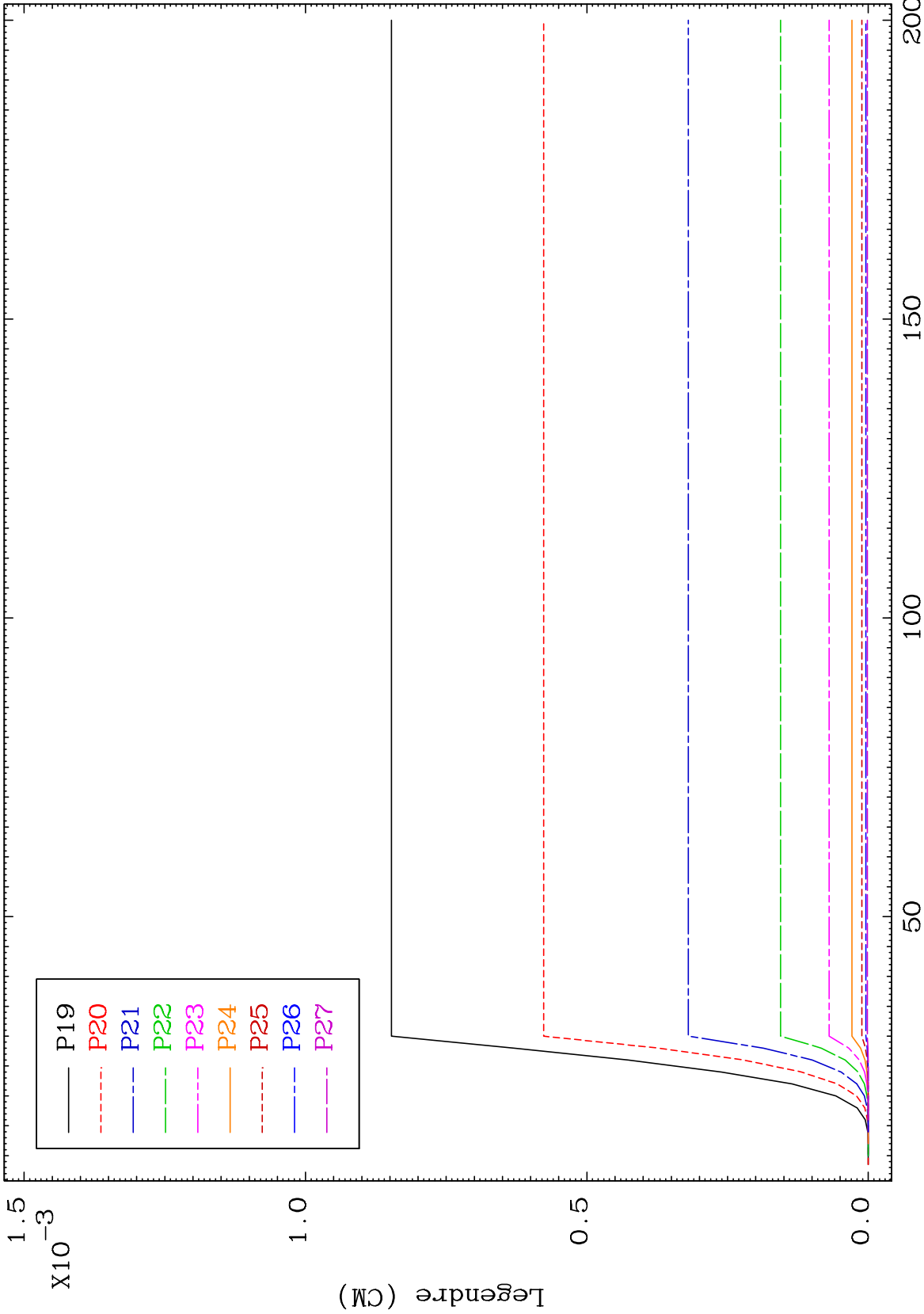
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



65

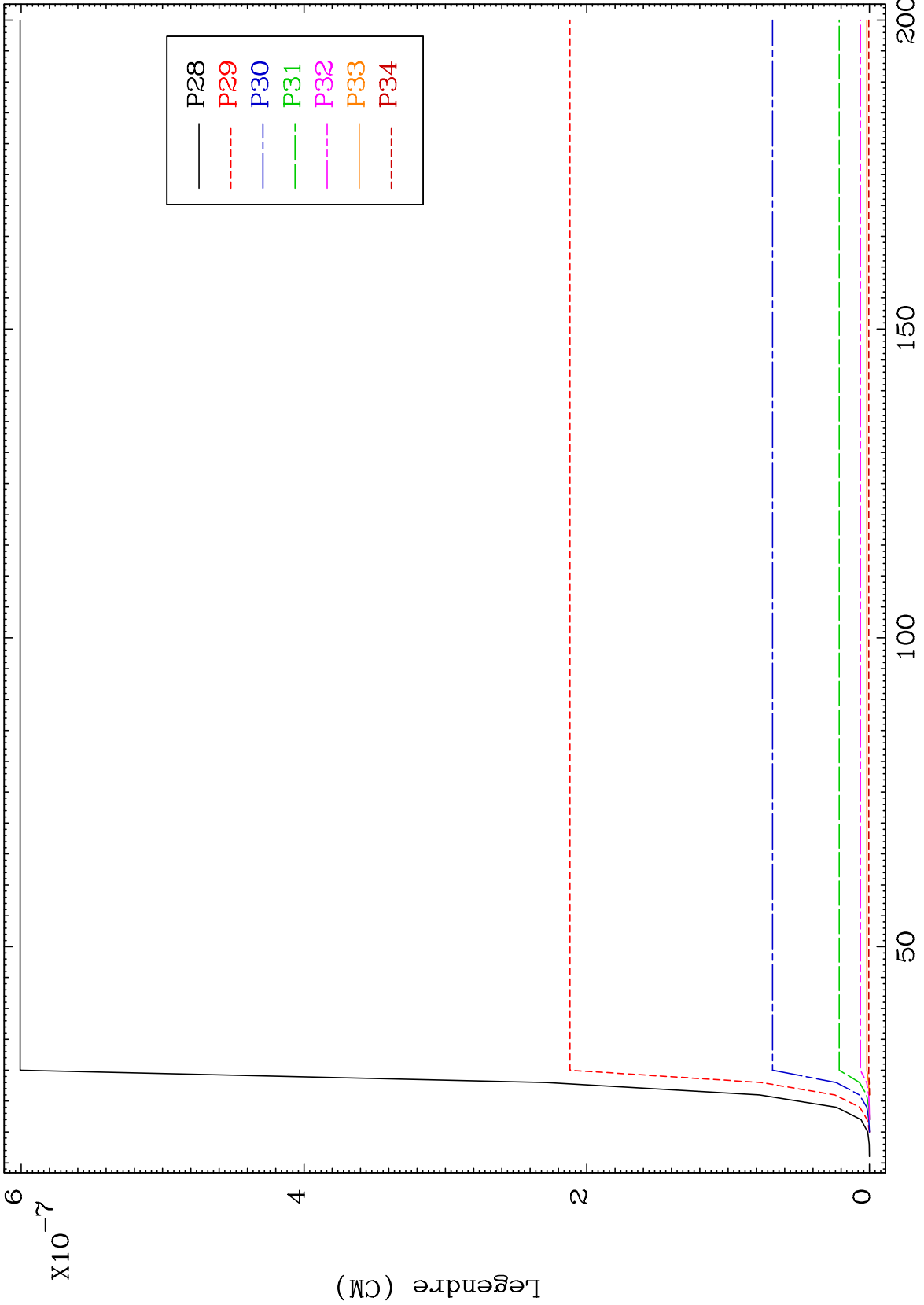
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



66

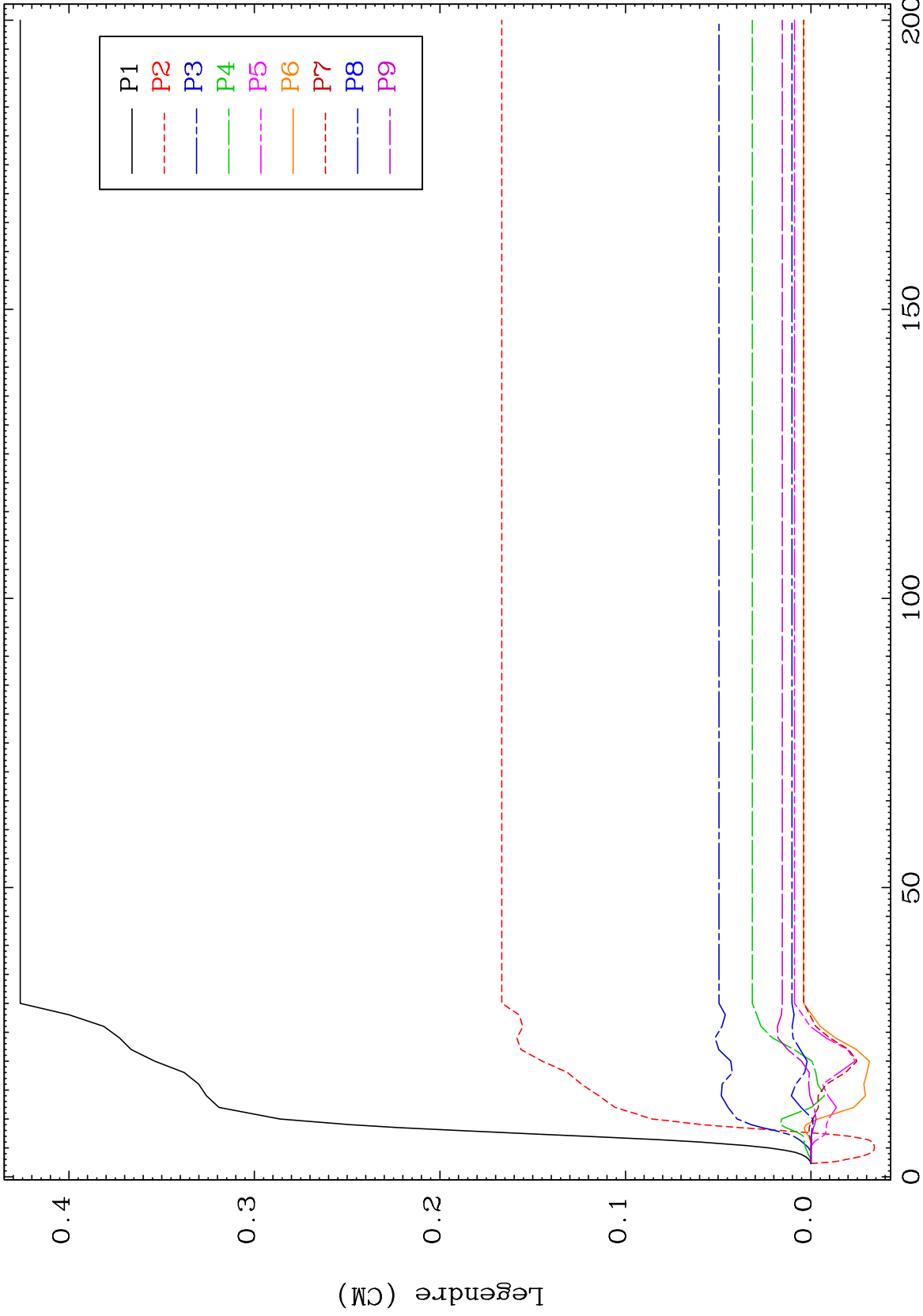
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



67

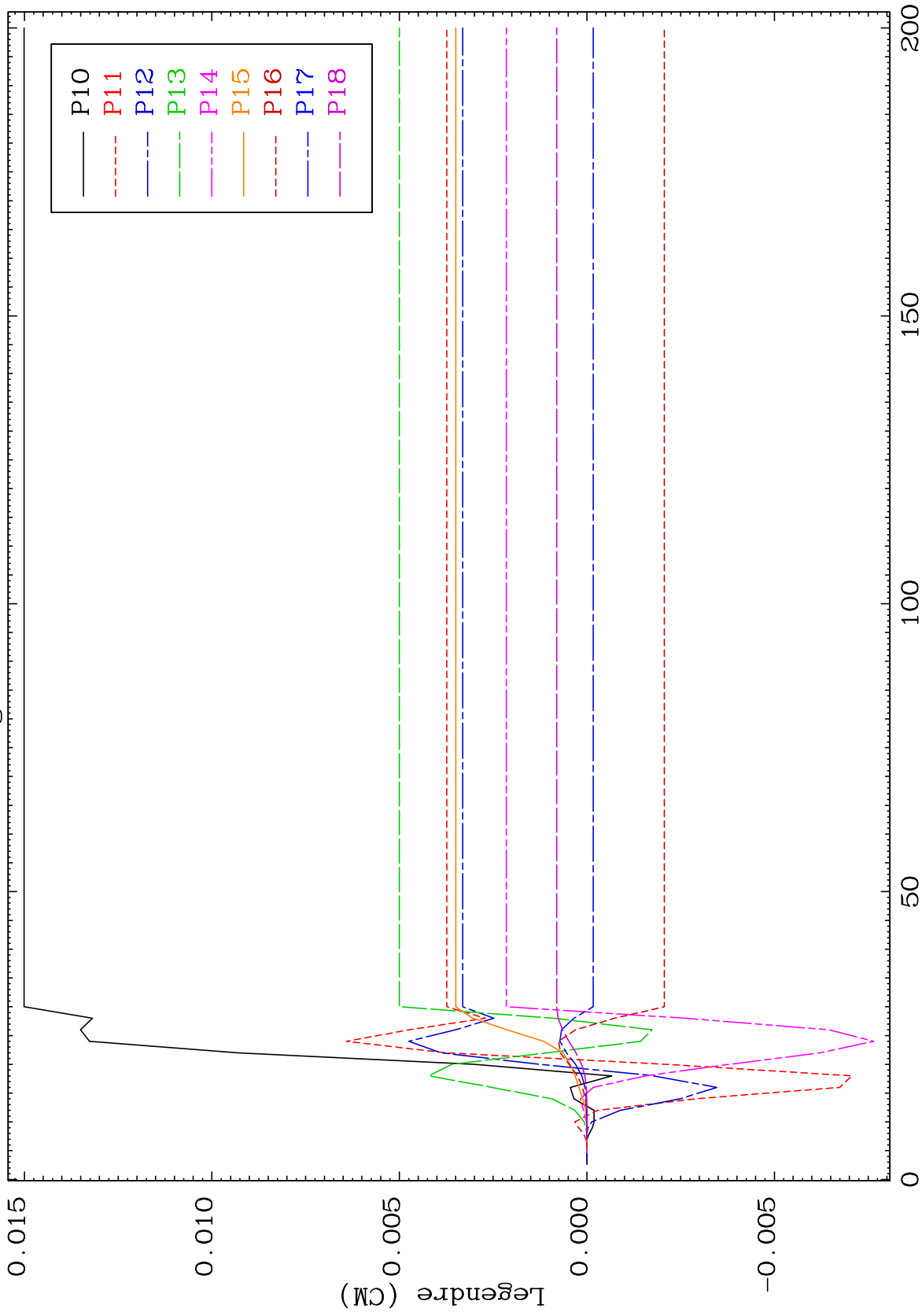
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



68

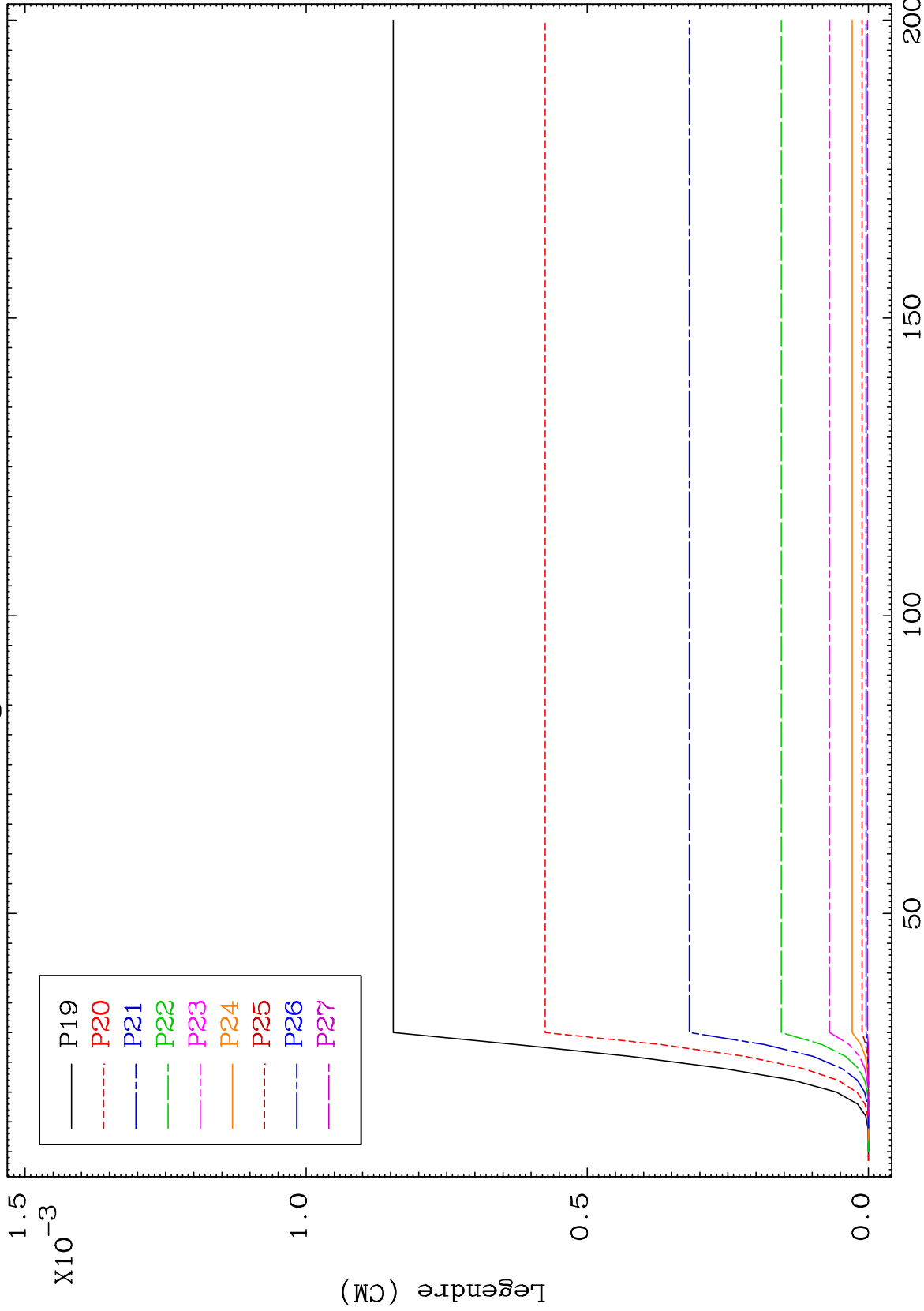
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

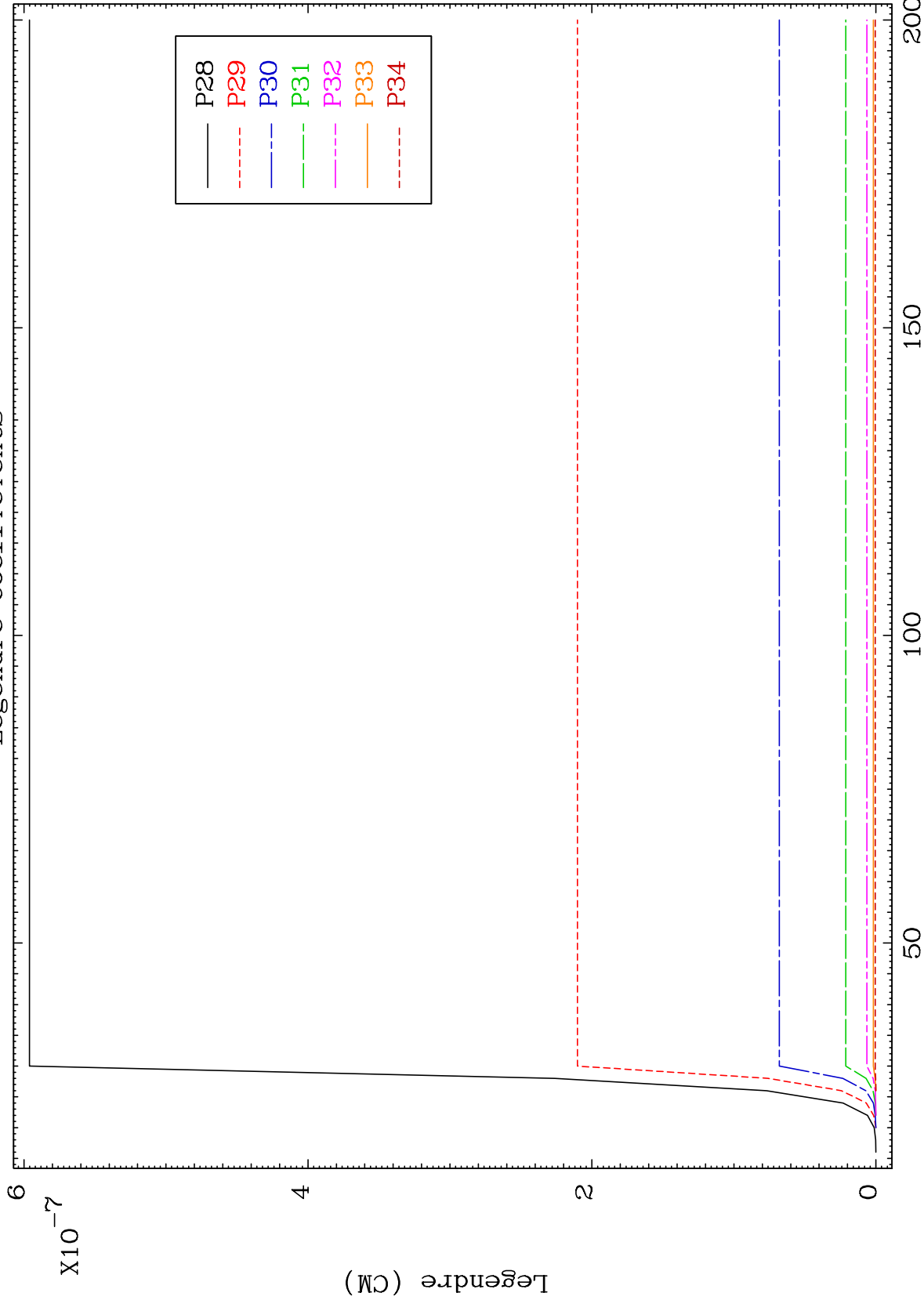
48-Cd-110



MAT 4837

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

48-Cd-110



70

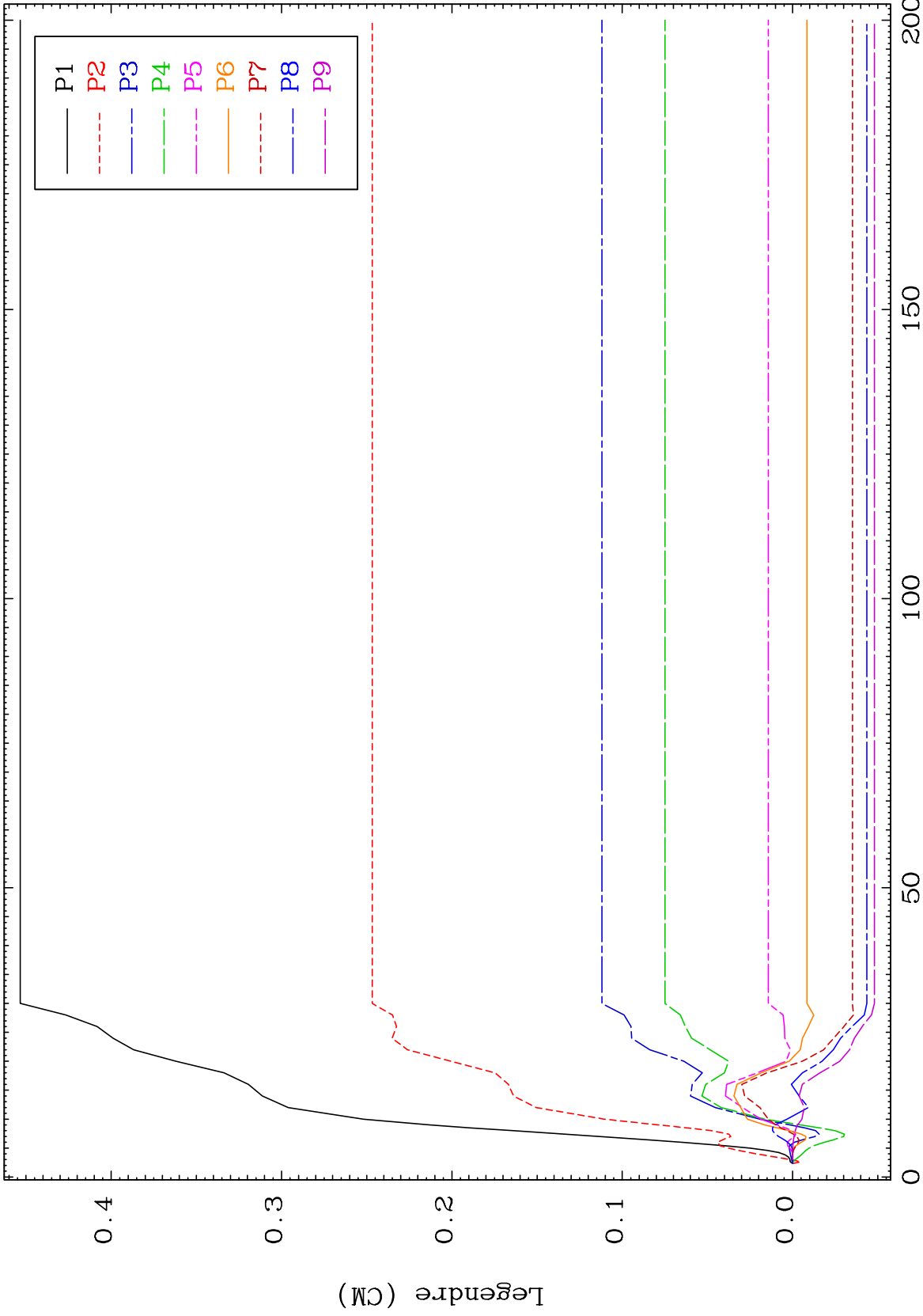
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



71

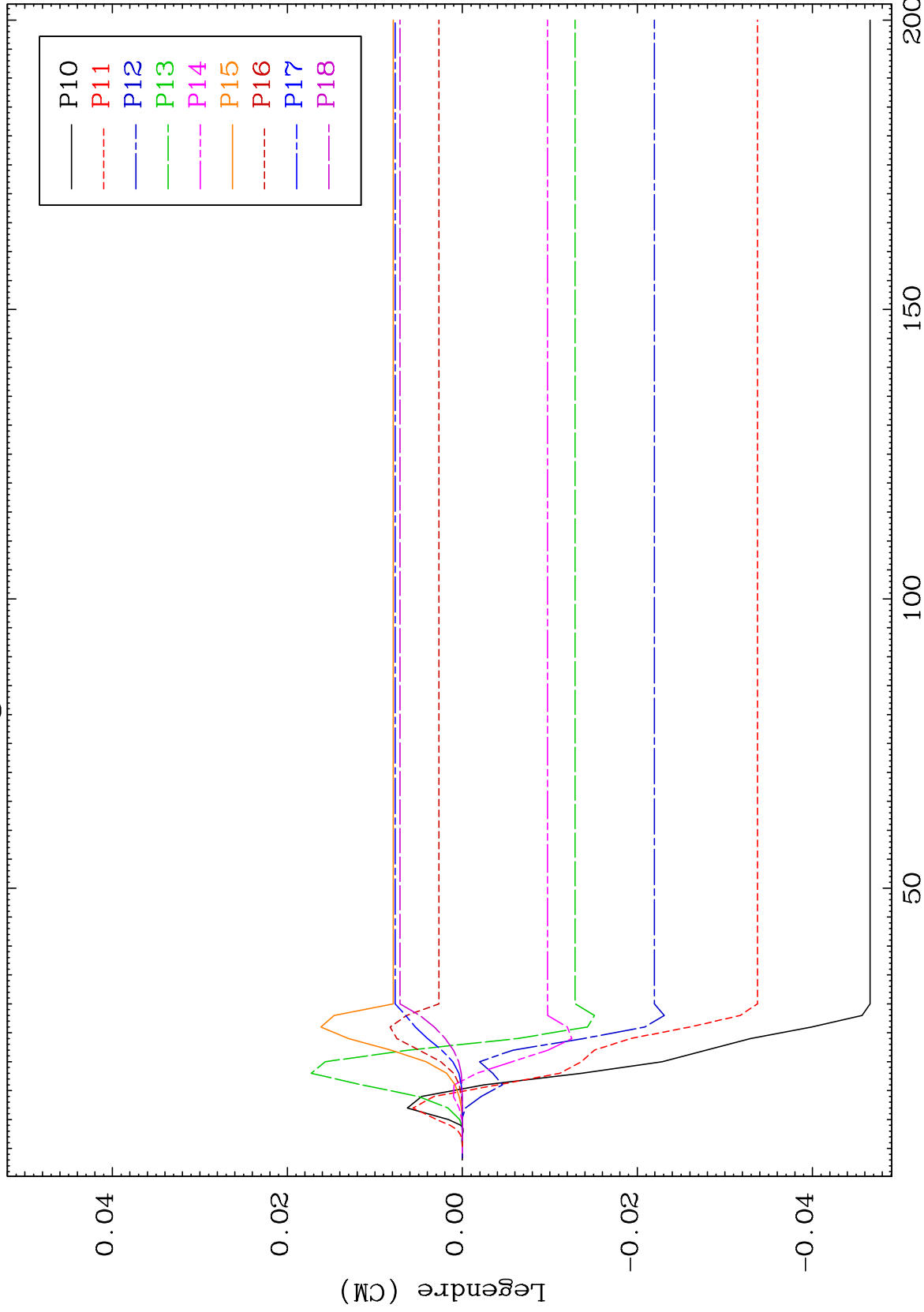
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



72

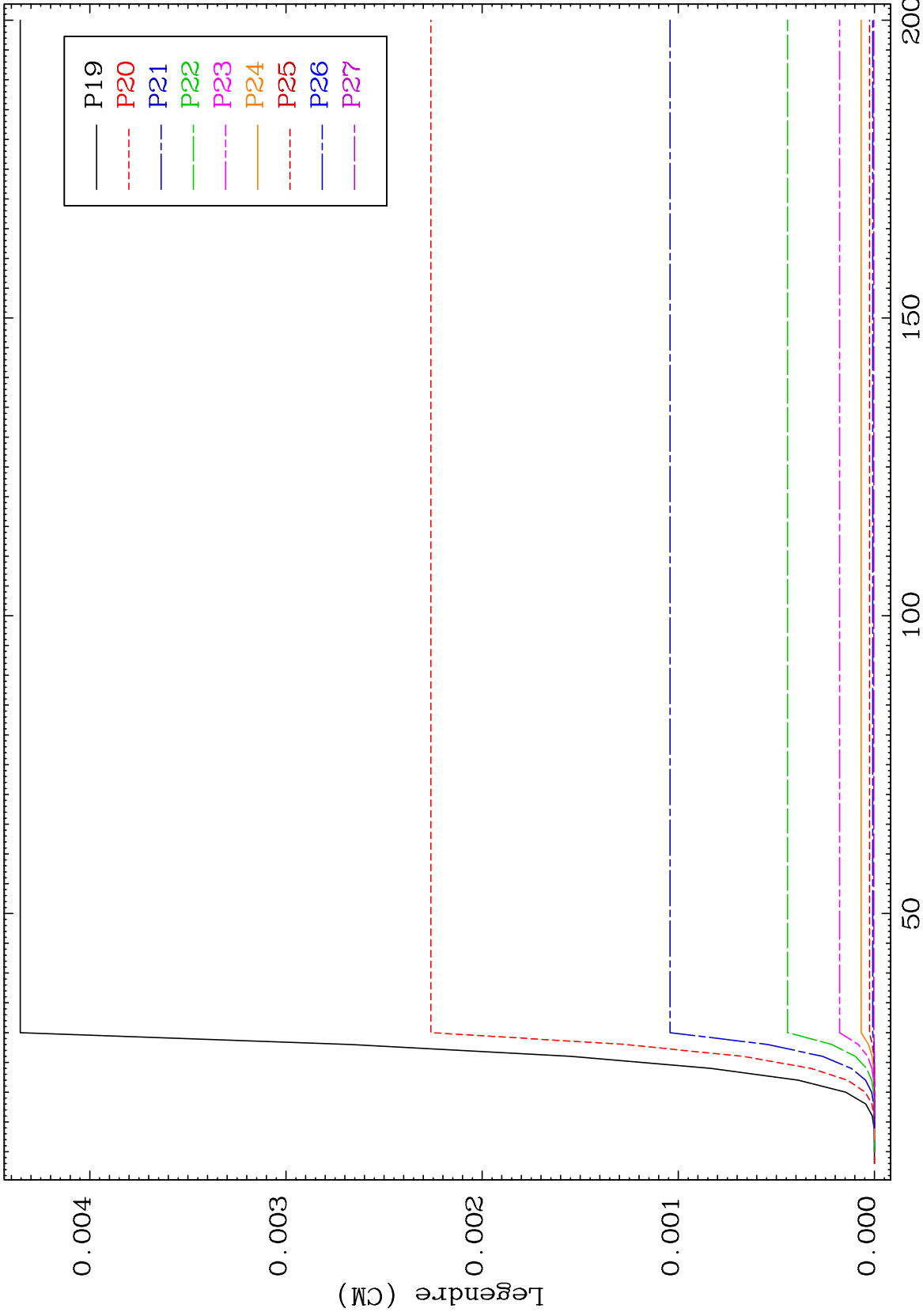
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



73

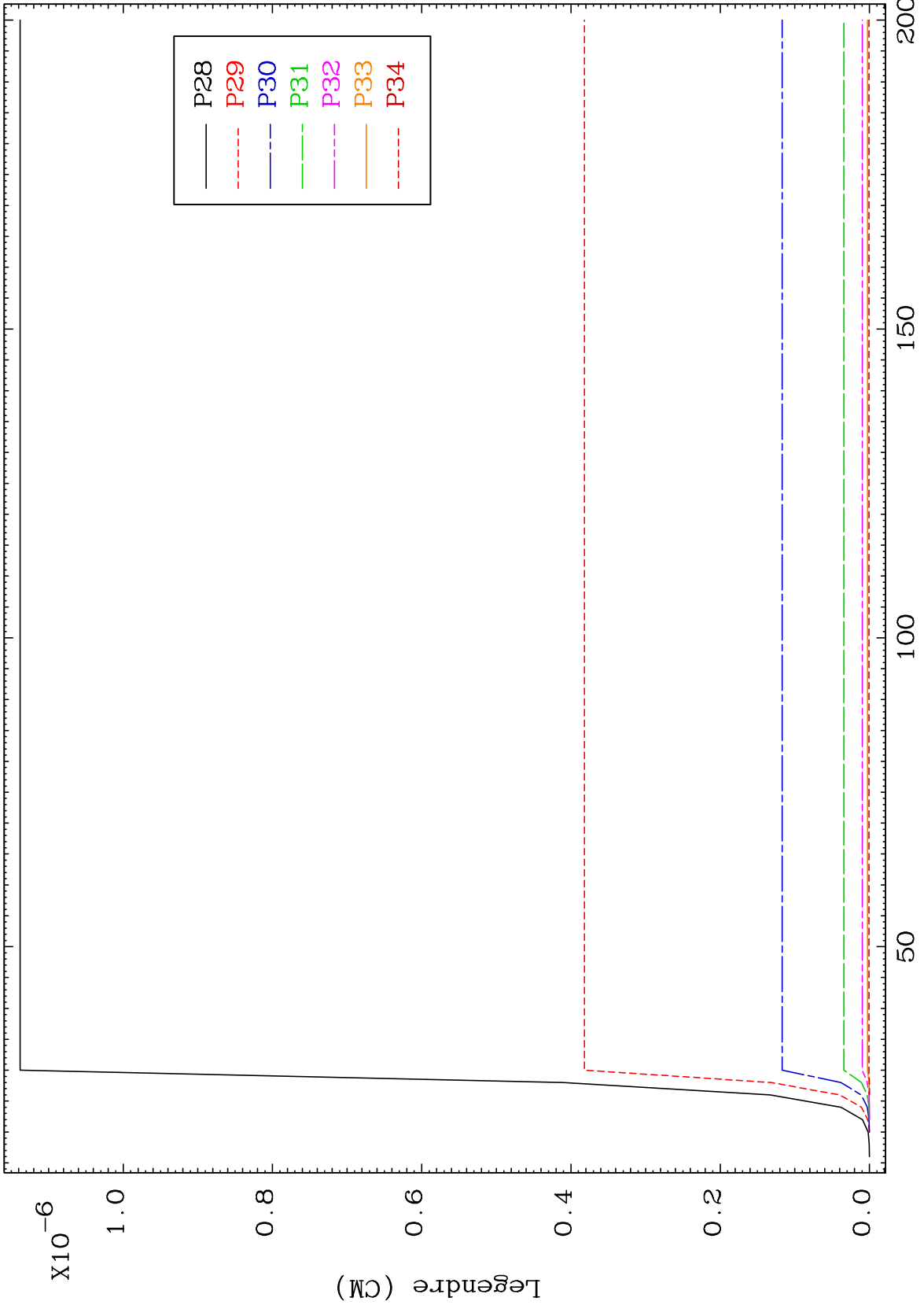
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



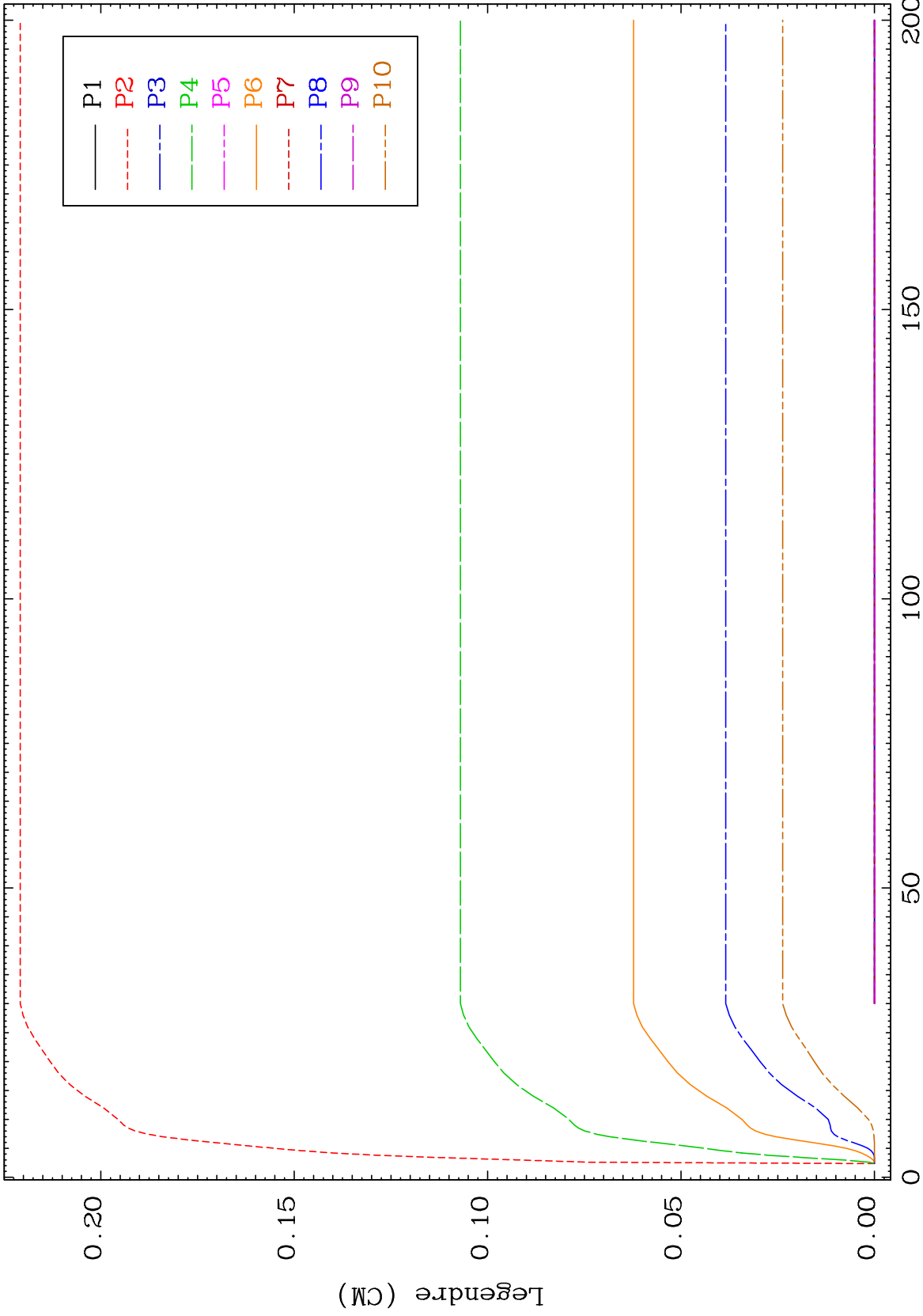
74

48-Cd-110

MAT 4837

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

48-Cd-110



75

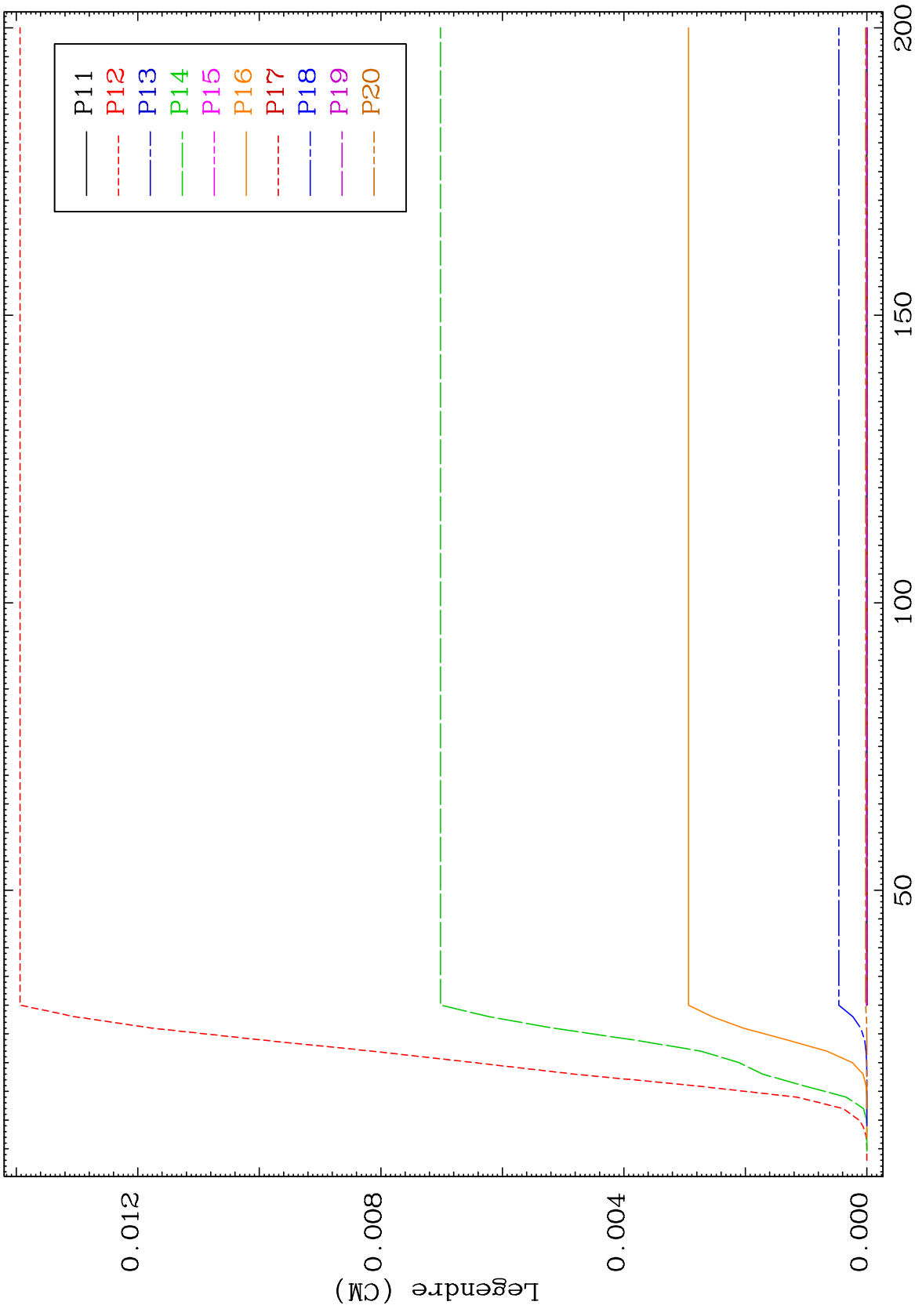
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110

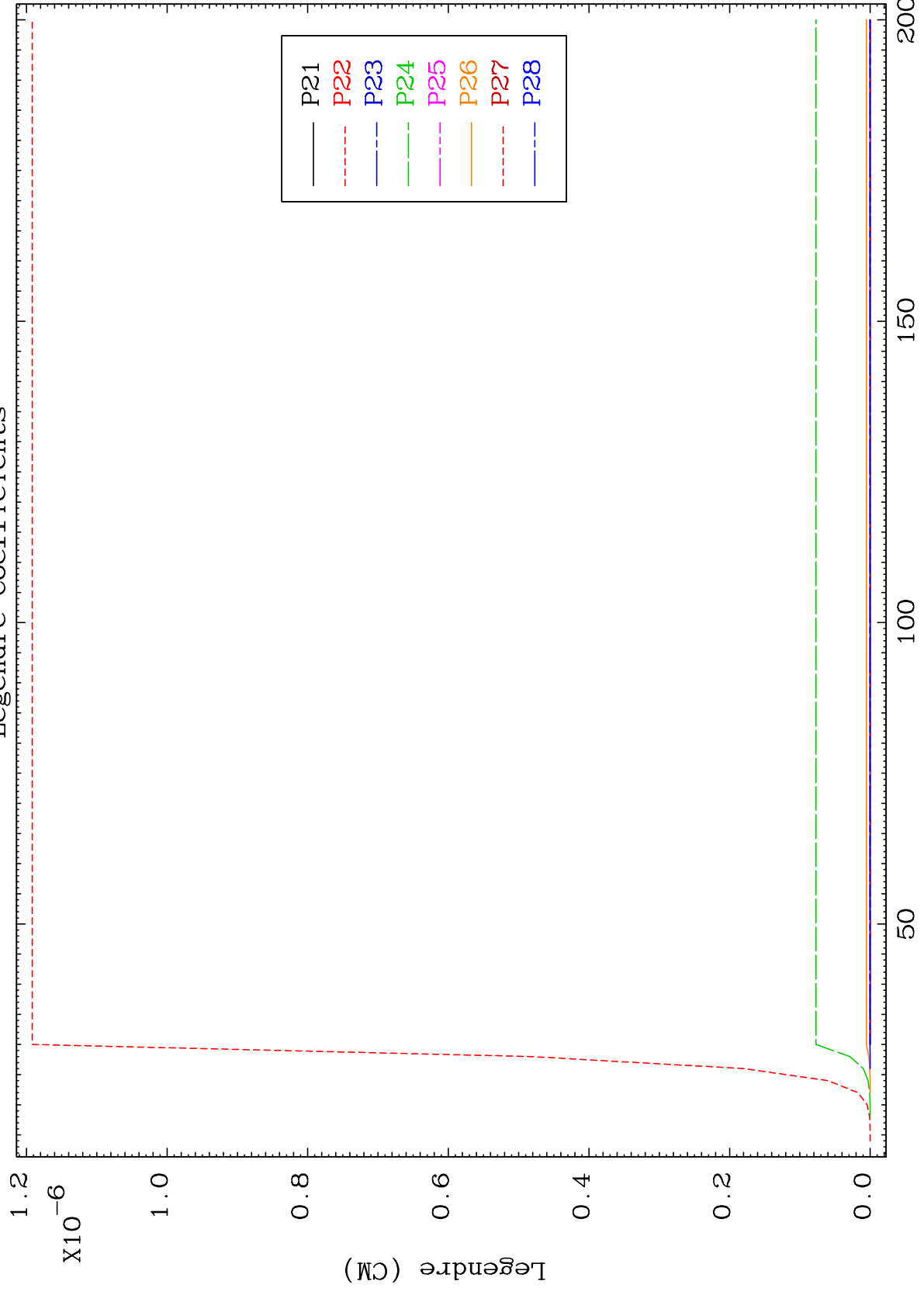


76

Incident Energy (MeV)

48-Cd-110

MAT 4837 MT= 66 (n,n') Level Legendre Coefficients 48-Cd-110

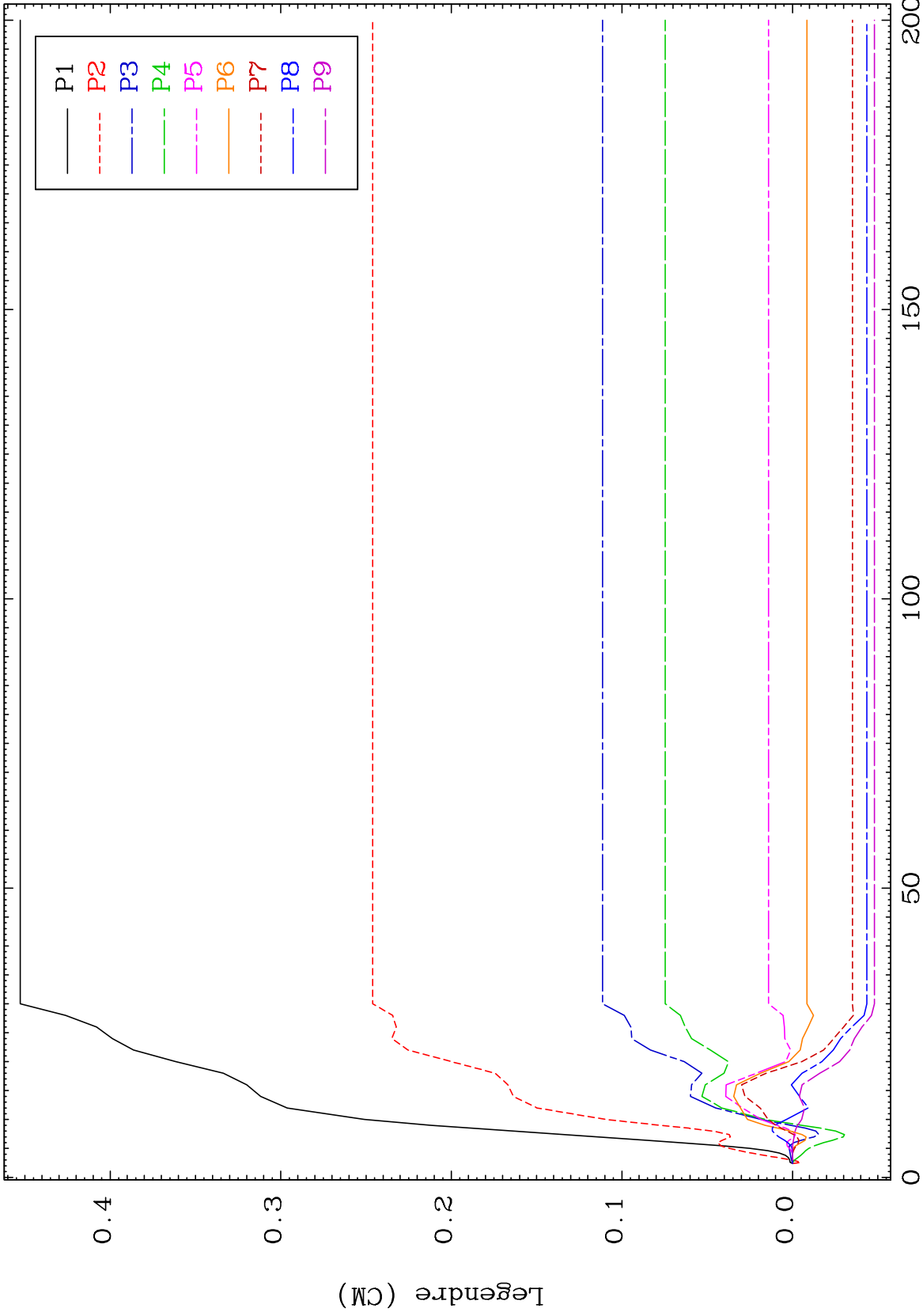


77 48-Cd-110

MAT 4837

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

48-Cd-110



78

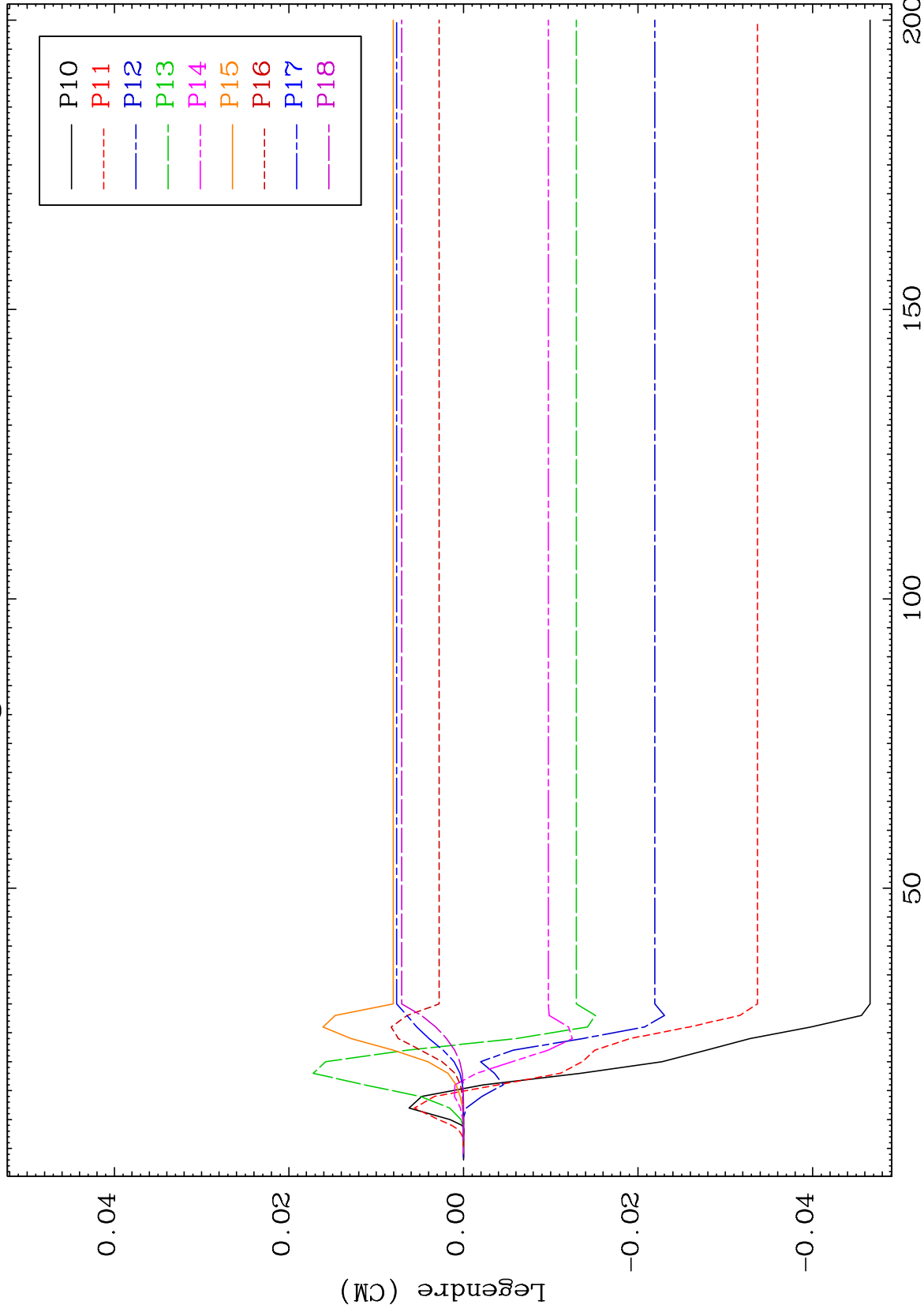
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



79

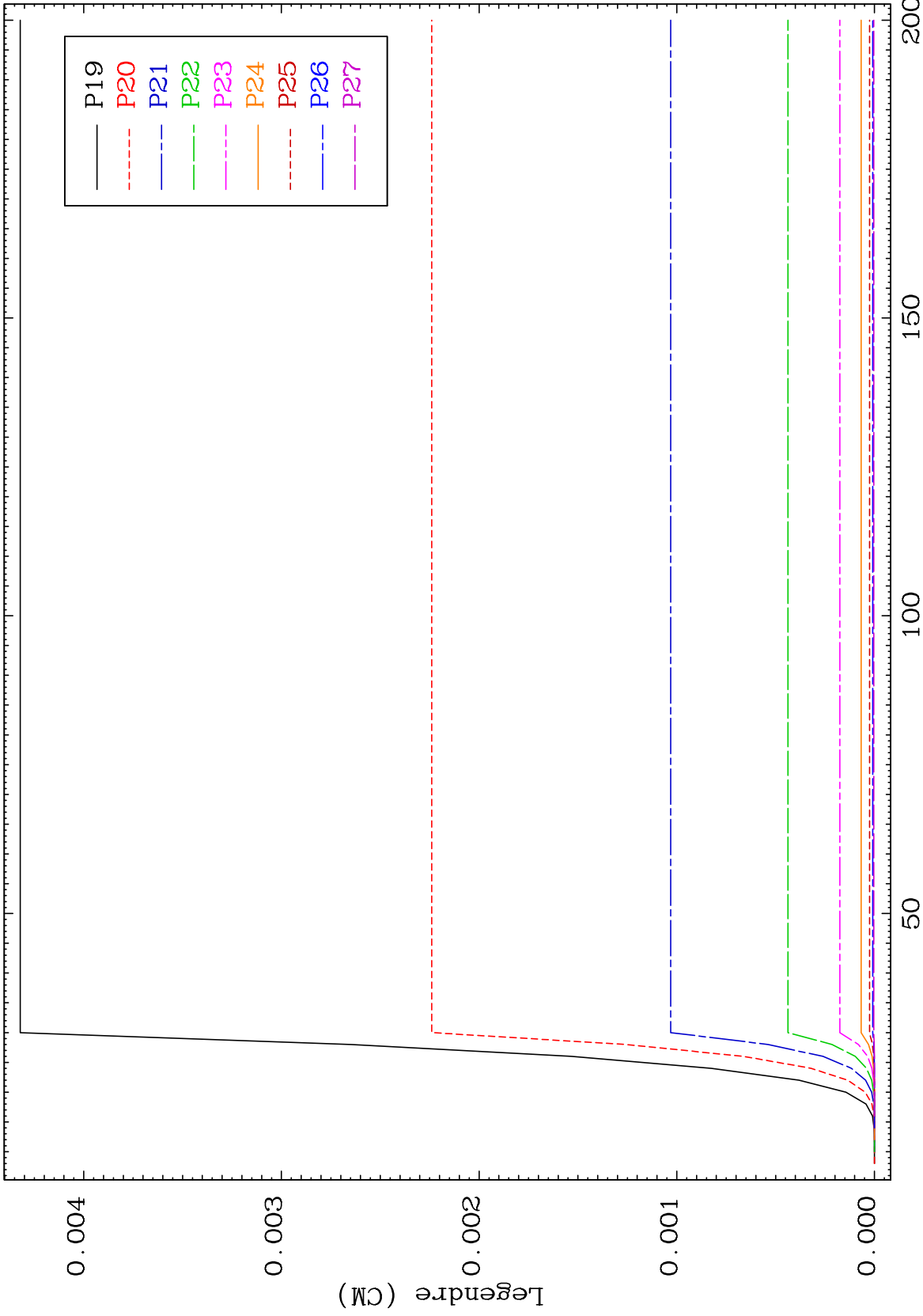
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



80

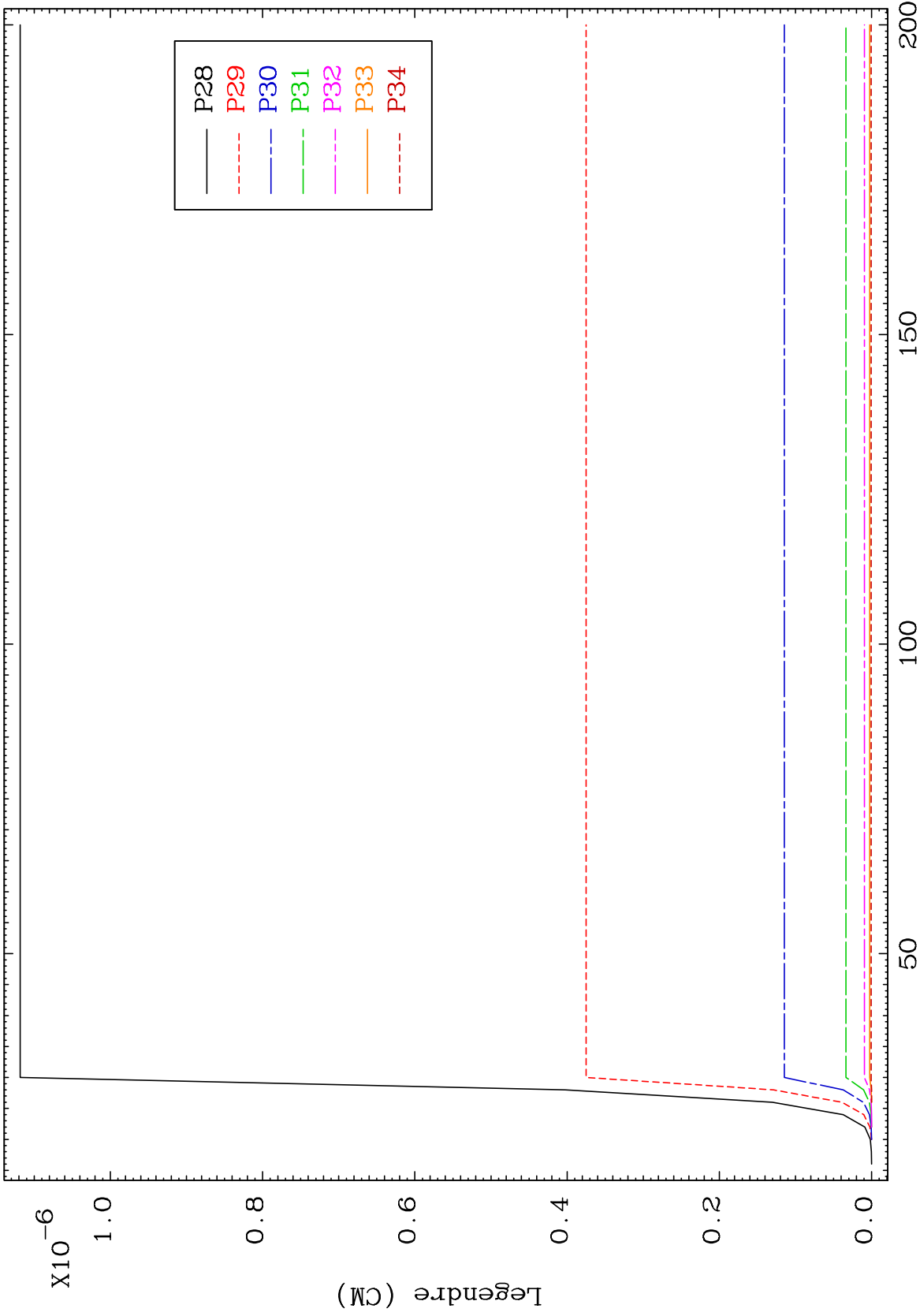
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



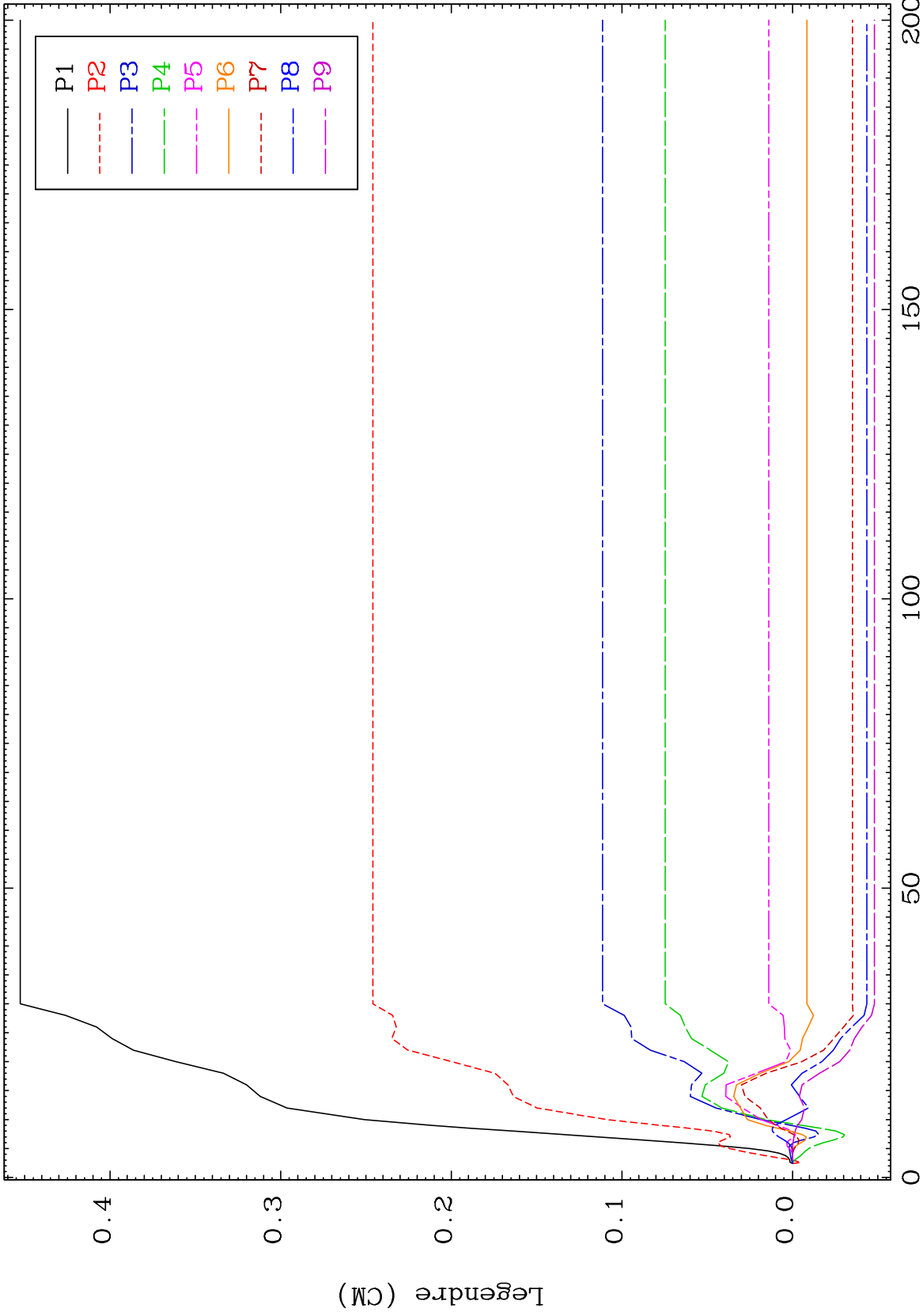
81

48-Cd-110

MAT 4837

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

48-Cd-110



82

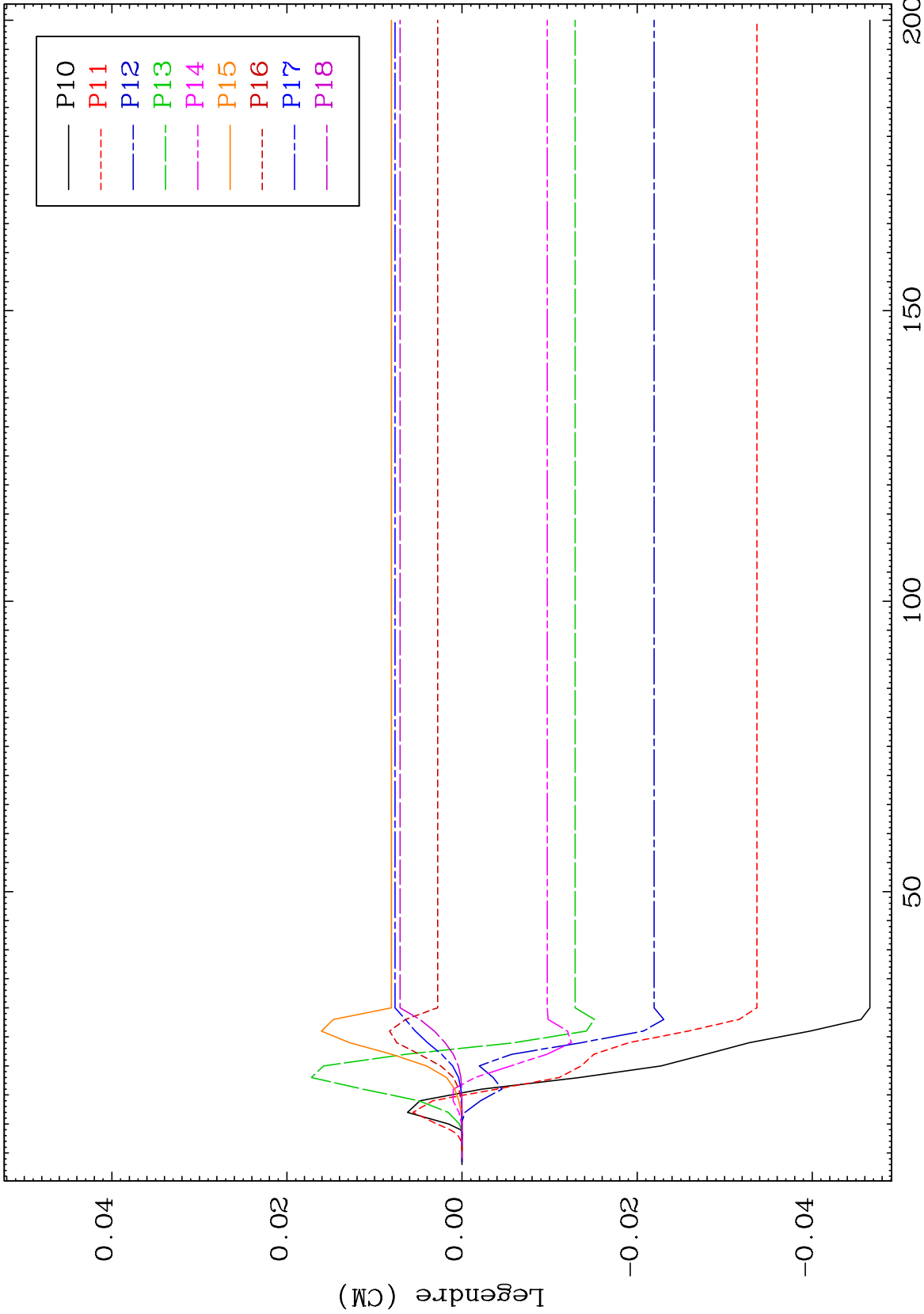
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



83

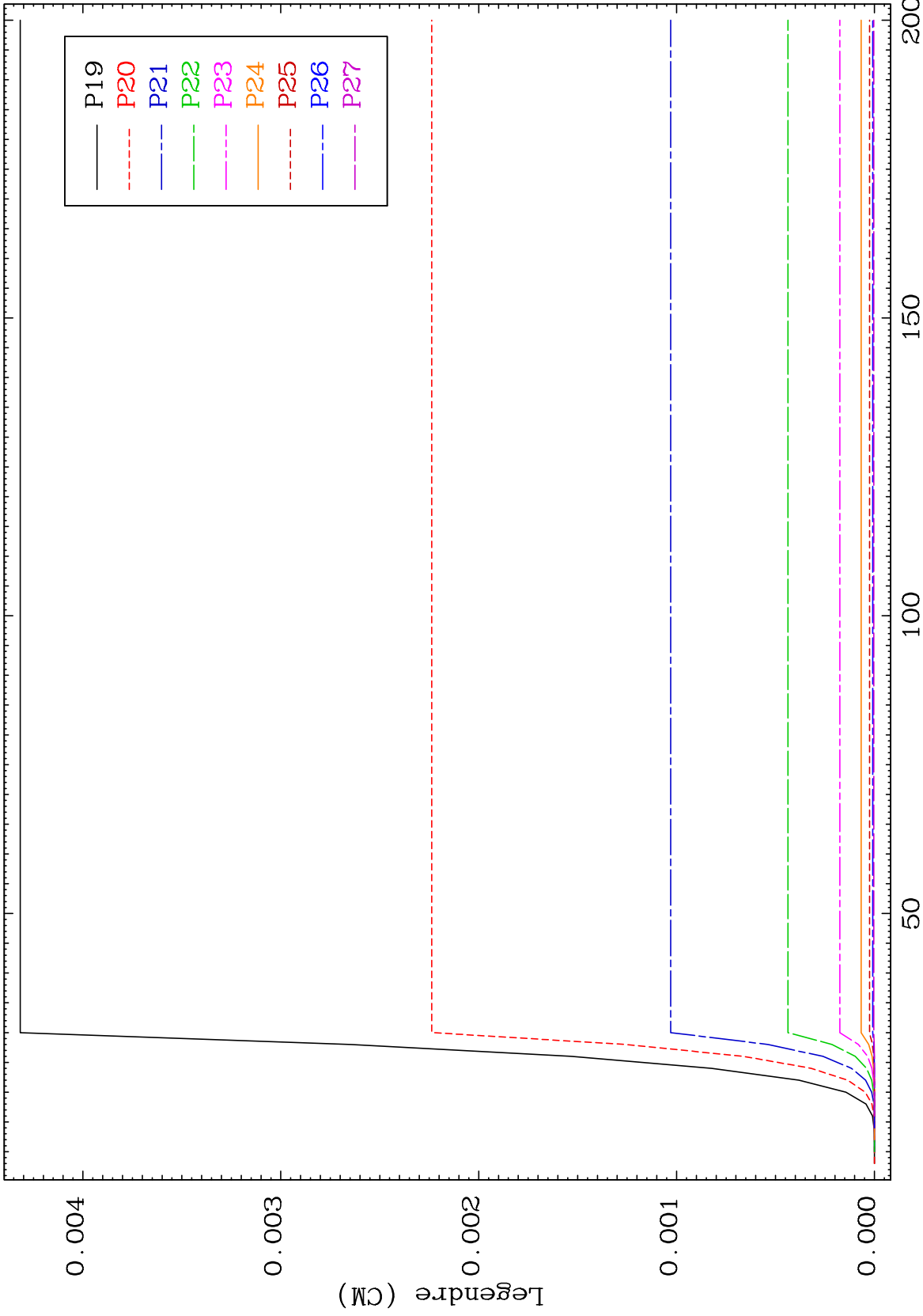
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



84

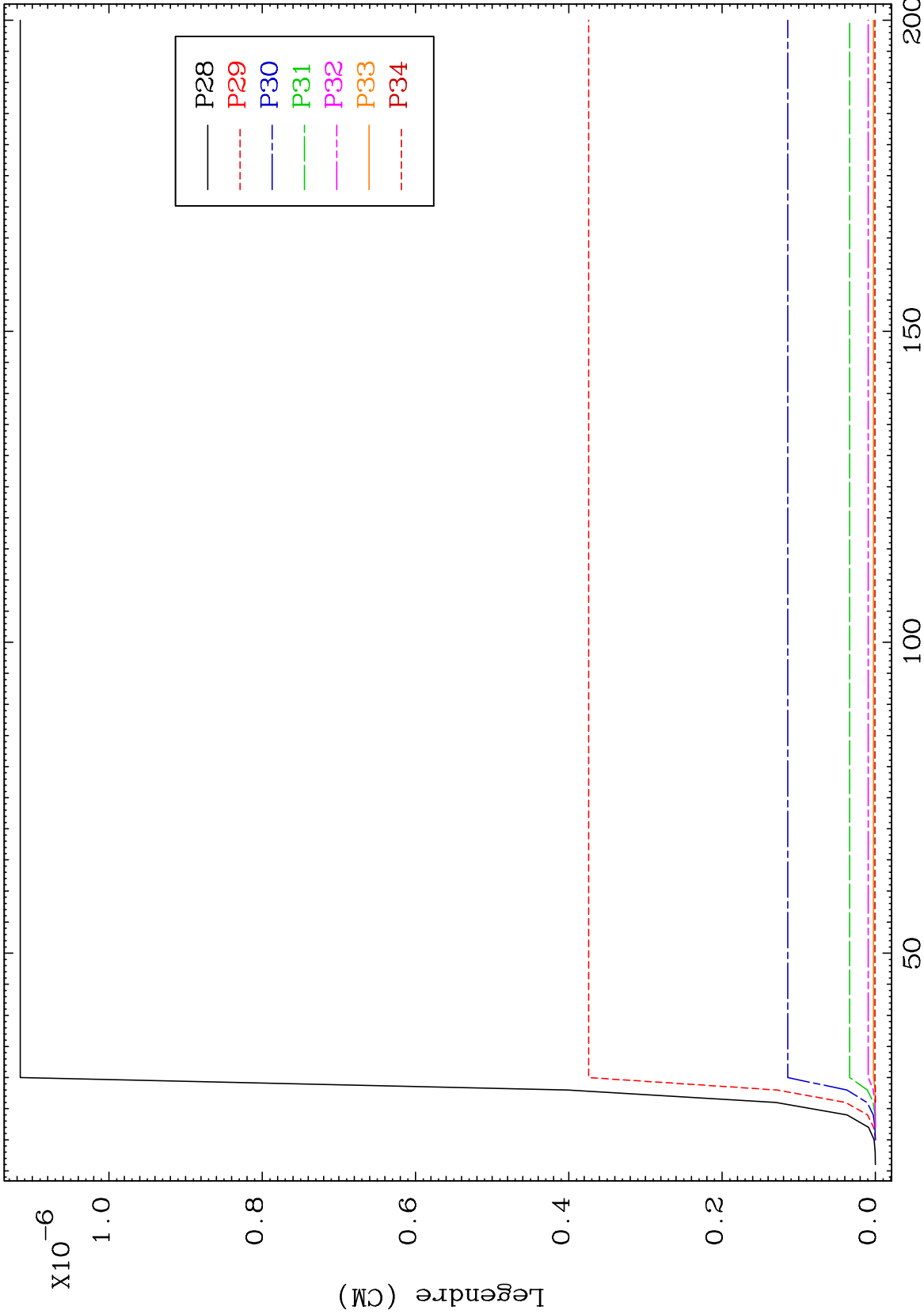
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



85

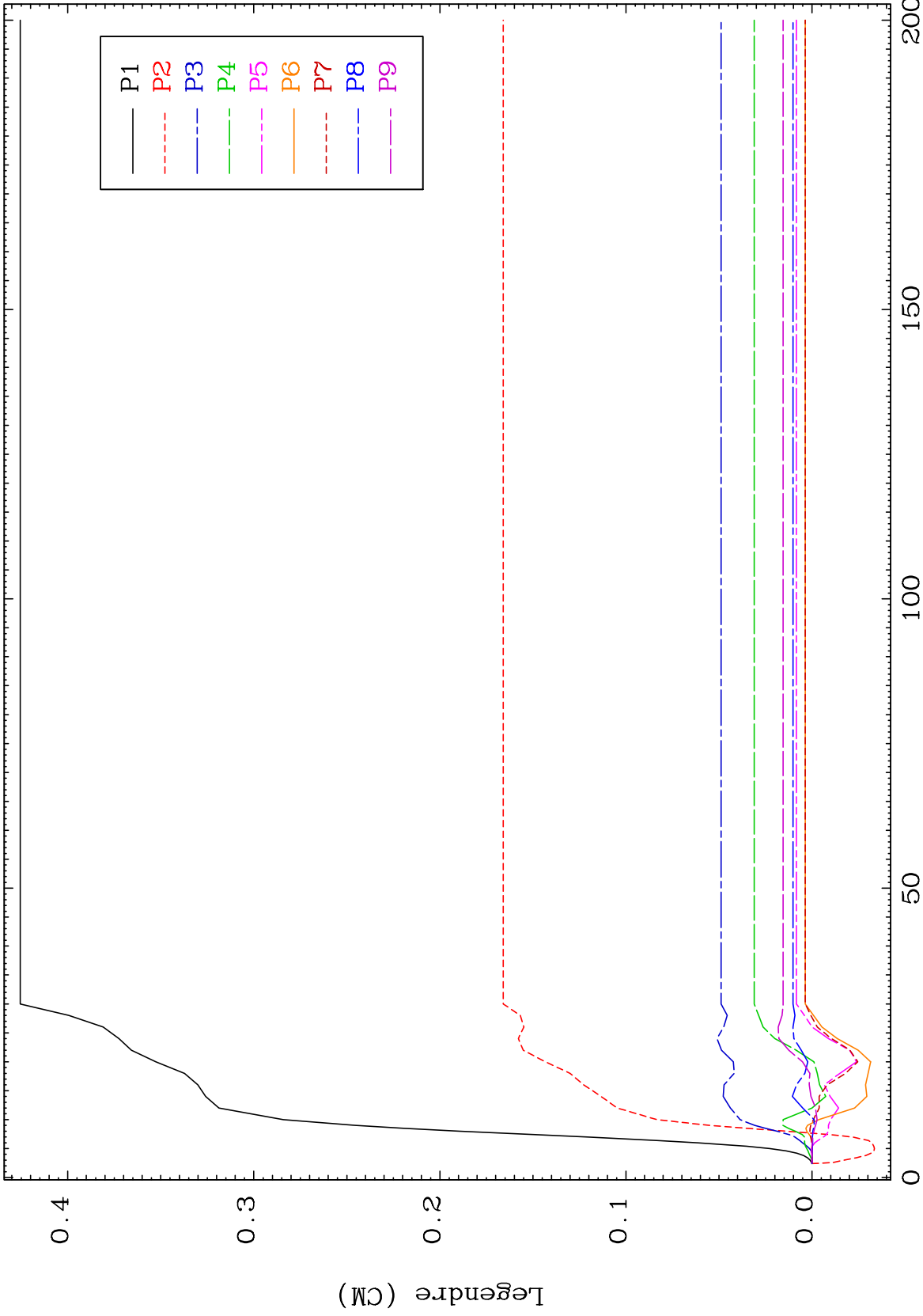
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



86

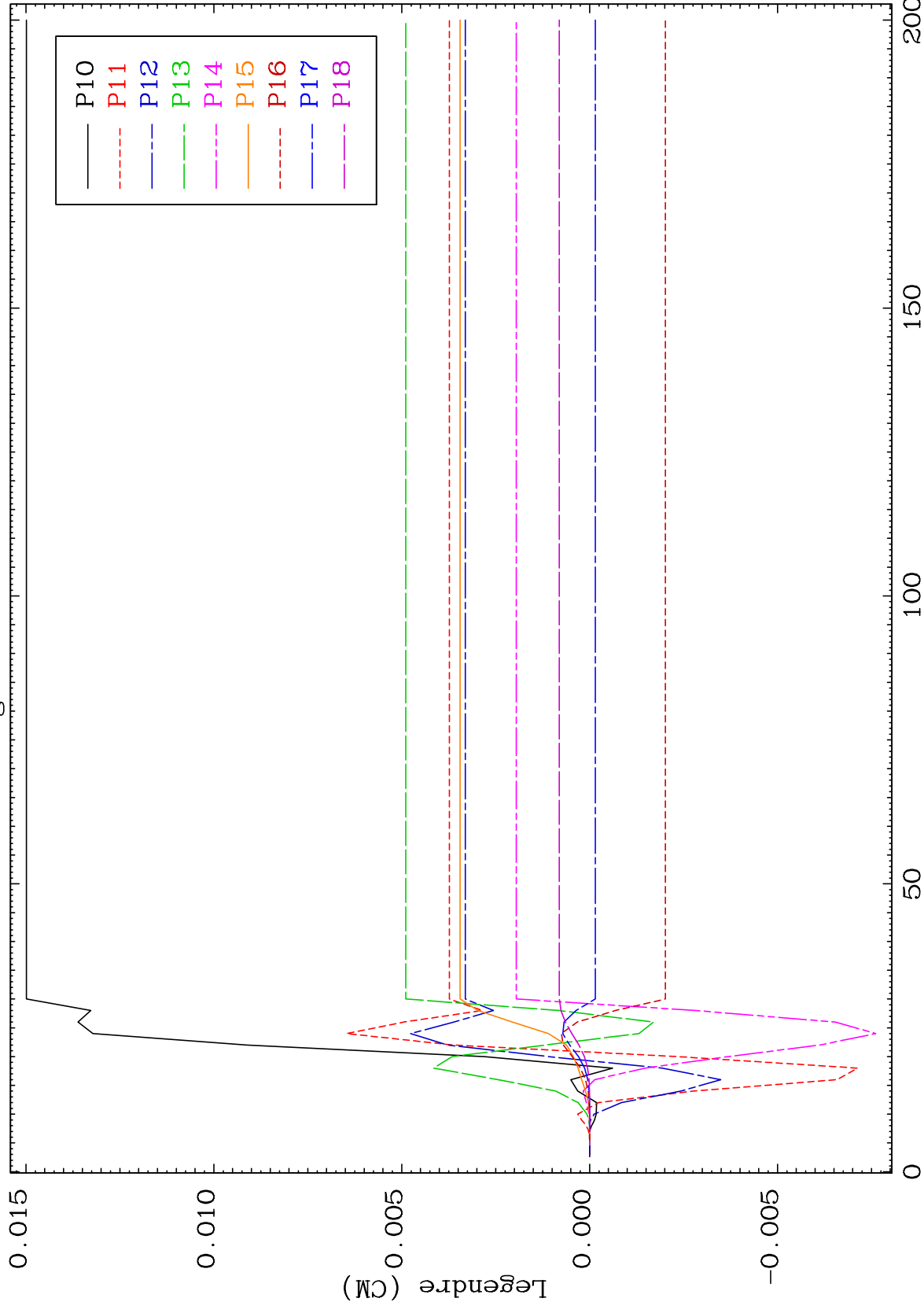
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



87

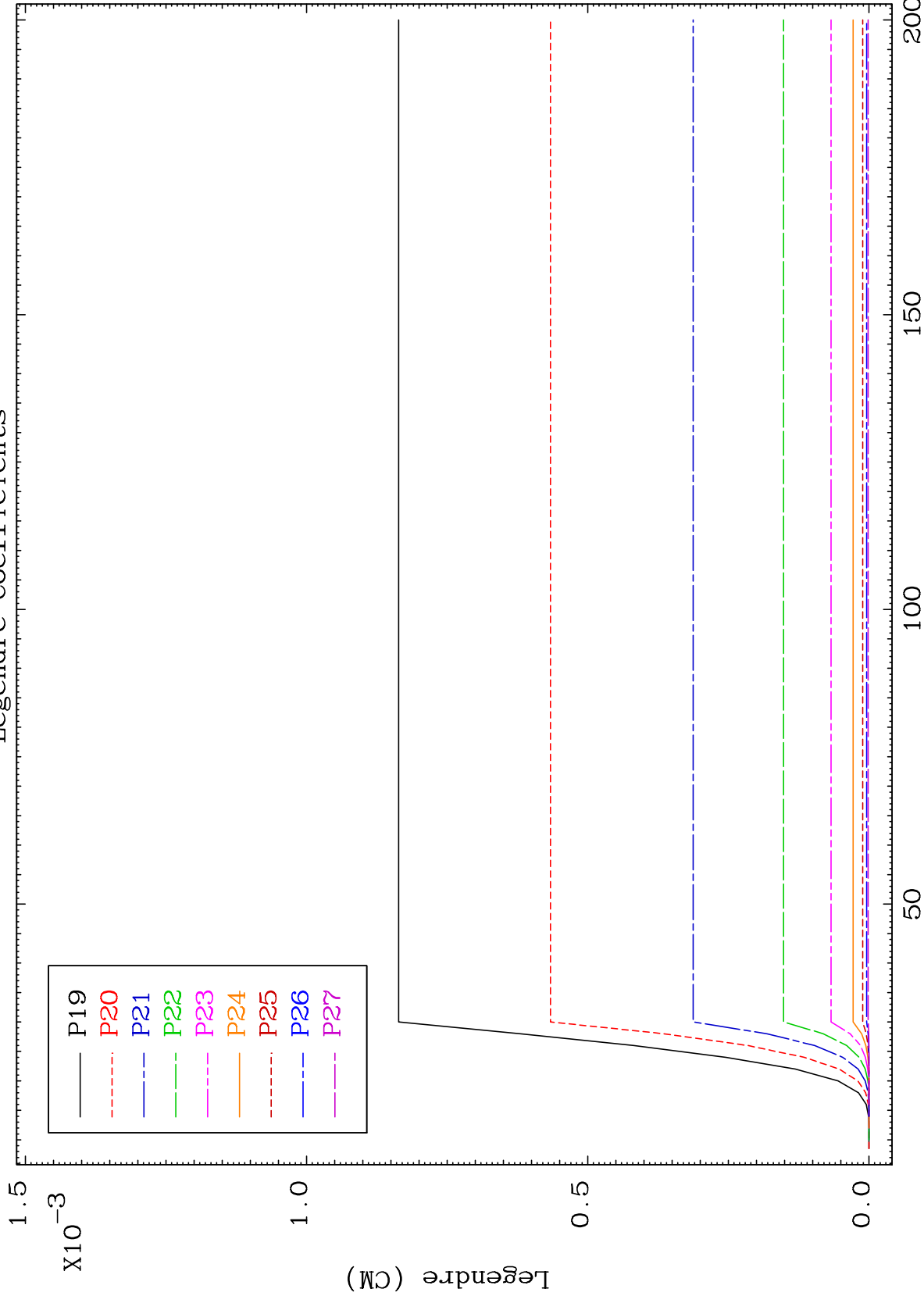
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

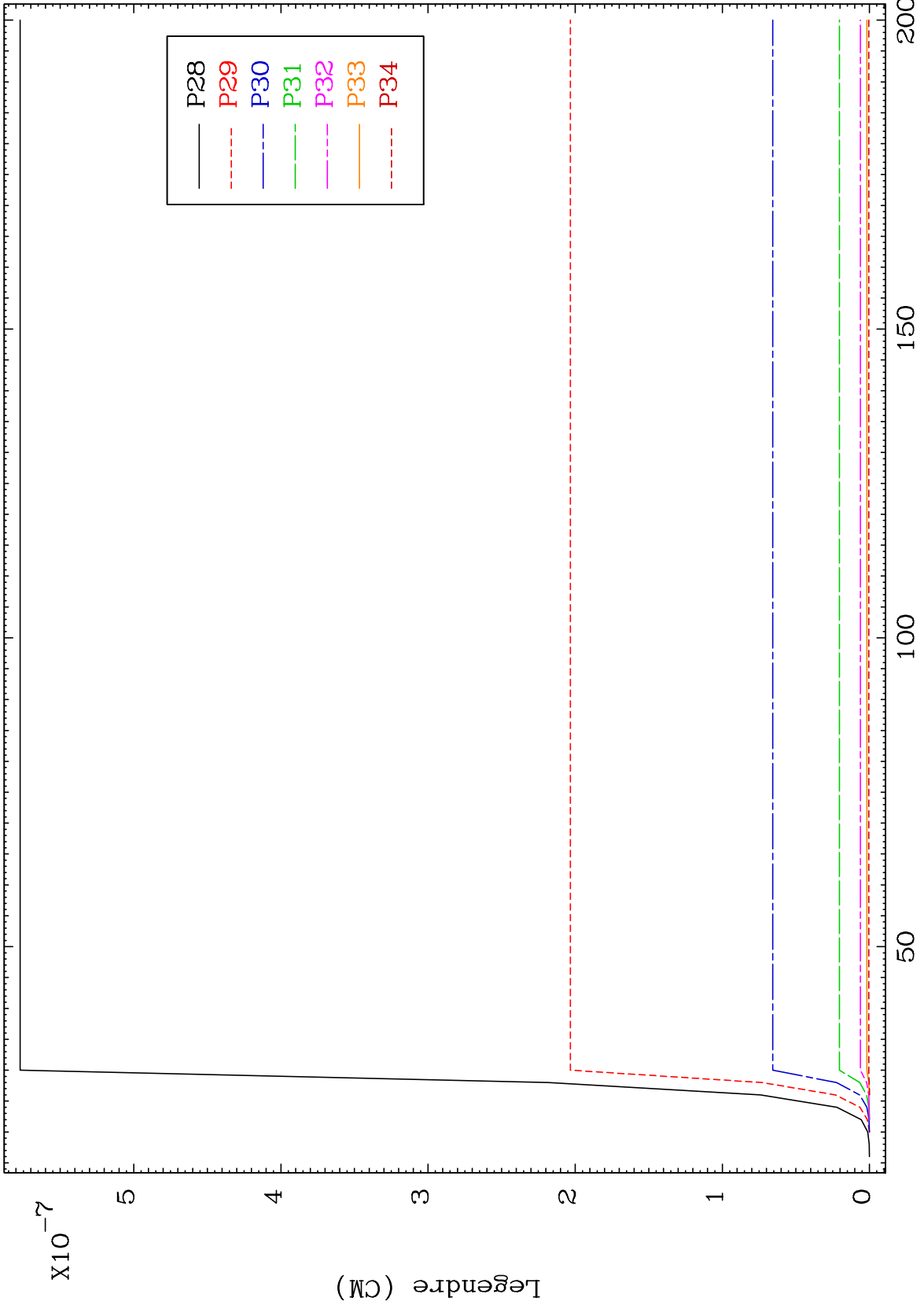
48-Cd-110



MAT 4837

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

48-Cd-110



89

Incident Energy (MeV)

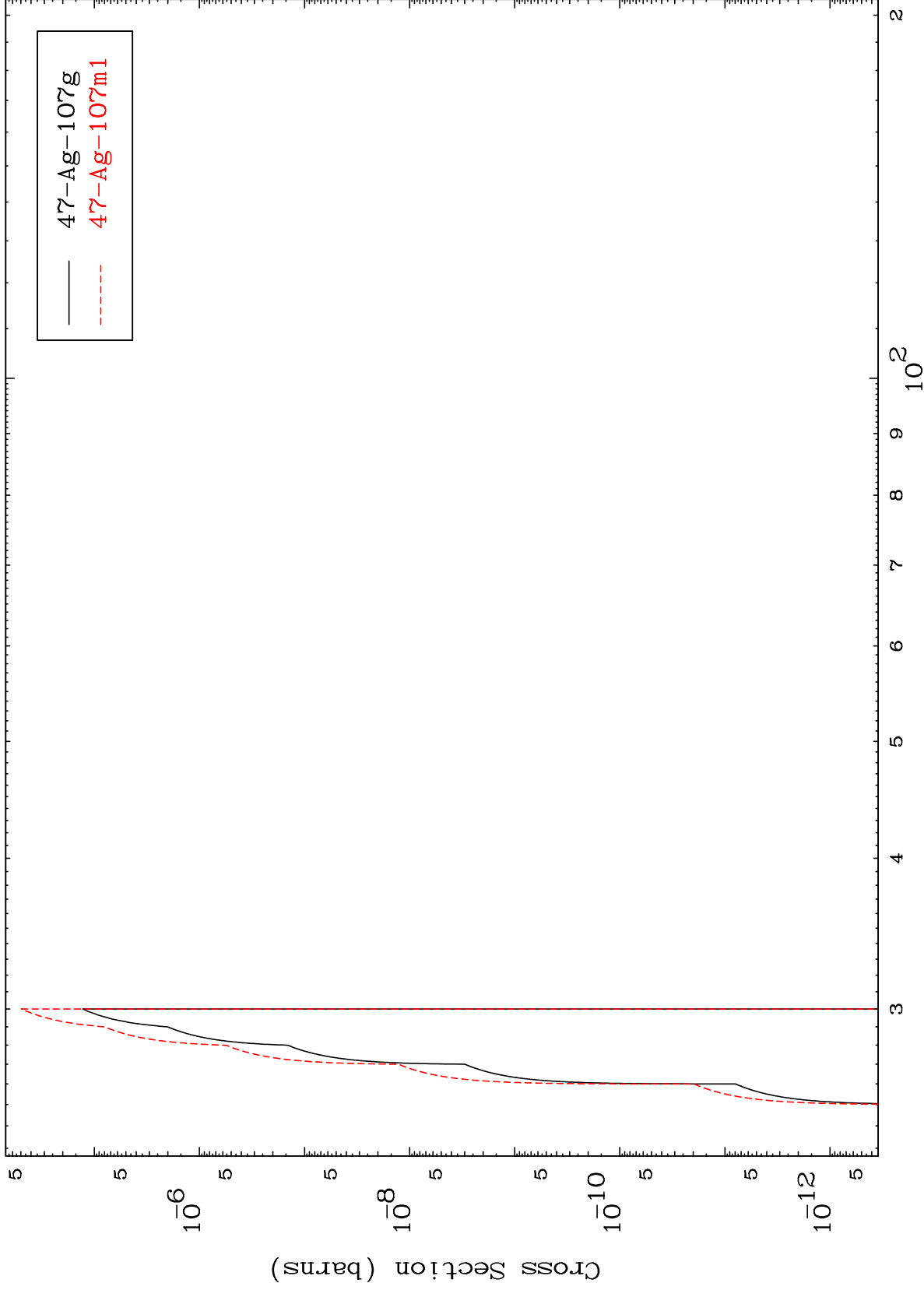
48-Cd-110

MAT 4837

(n,2n) d

48-Cd-110

Radionuclide Production Cross Section



90

Incident Energy (MeV)

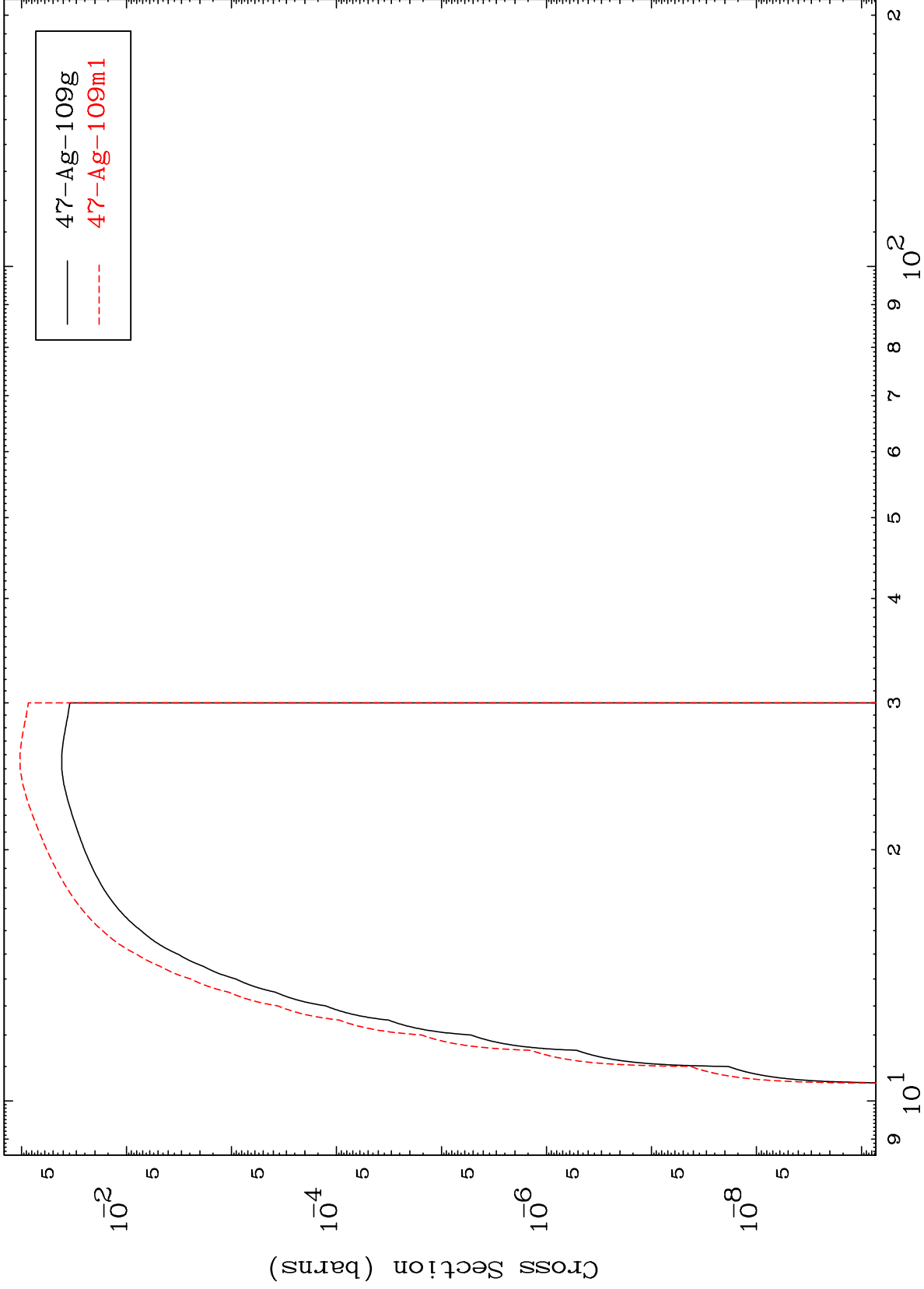
48-Cd-110

MAT 4837

(n,n') p

48-Cd-110

Radionuclide Production Cross Section



91

Incident Energy (MeV)

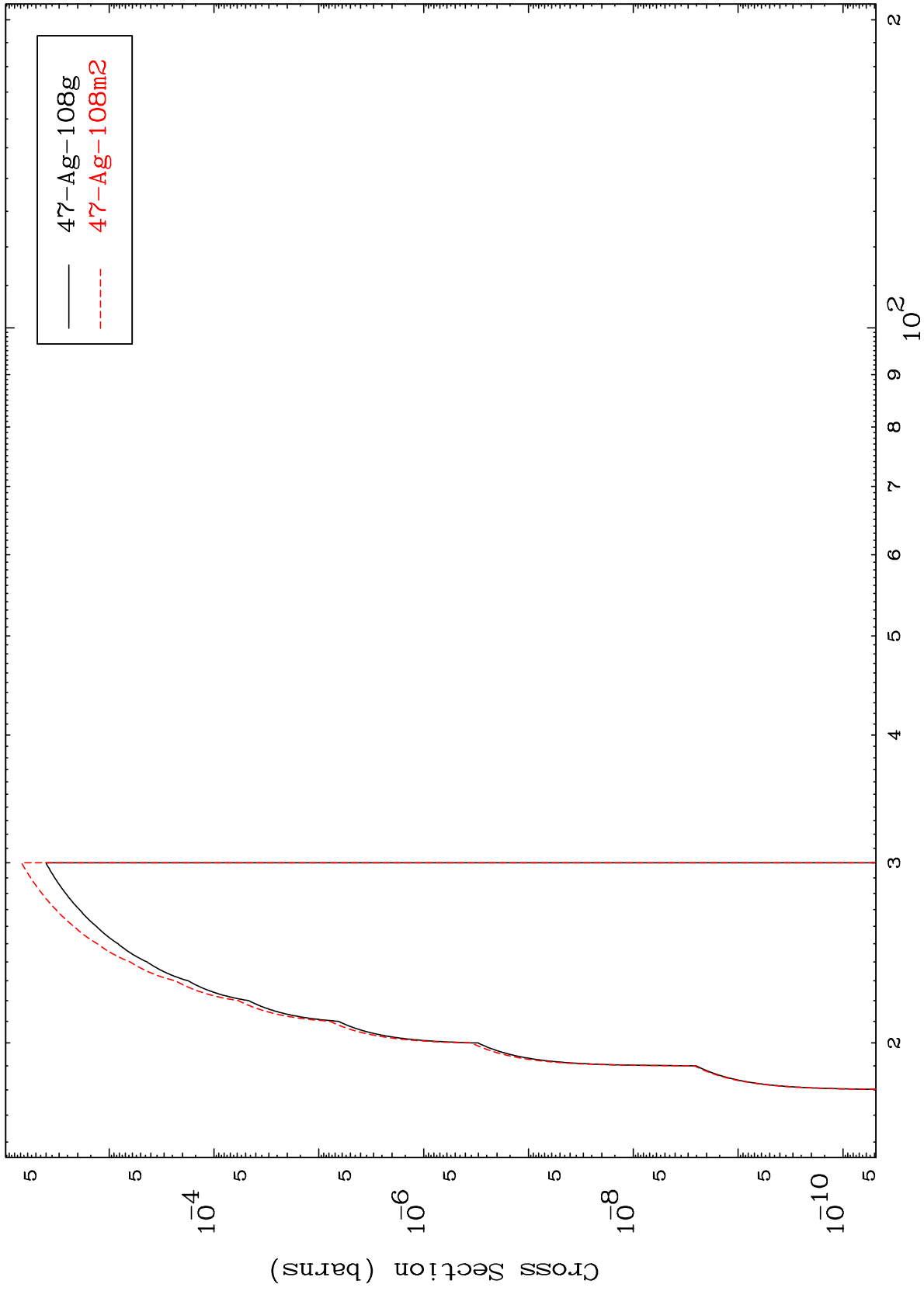
48-Cd-110

MAT 4837

(n,n') d

48-Cd-110

Radionuclide Production Cross Section



92

Incident Energy (MeV)

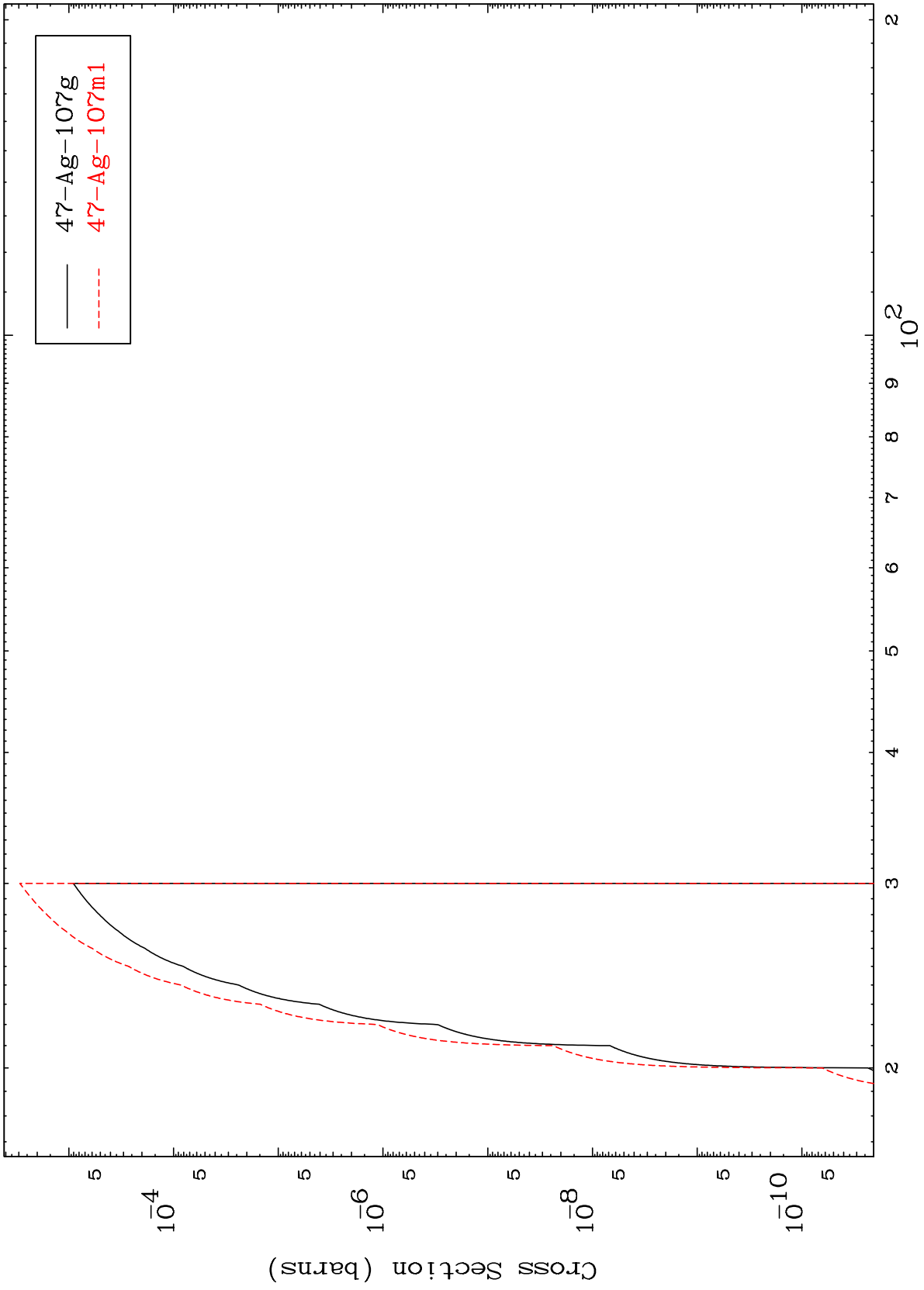
48-Cd-110

MAT 4837

(n,n') t

48-Cd-110

Radionuclide Production Cross Section



93

Incident Energy (MeV)

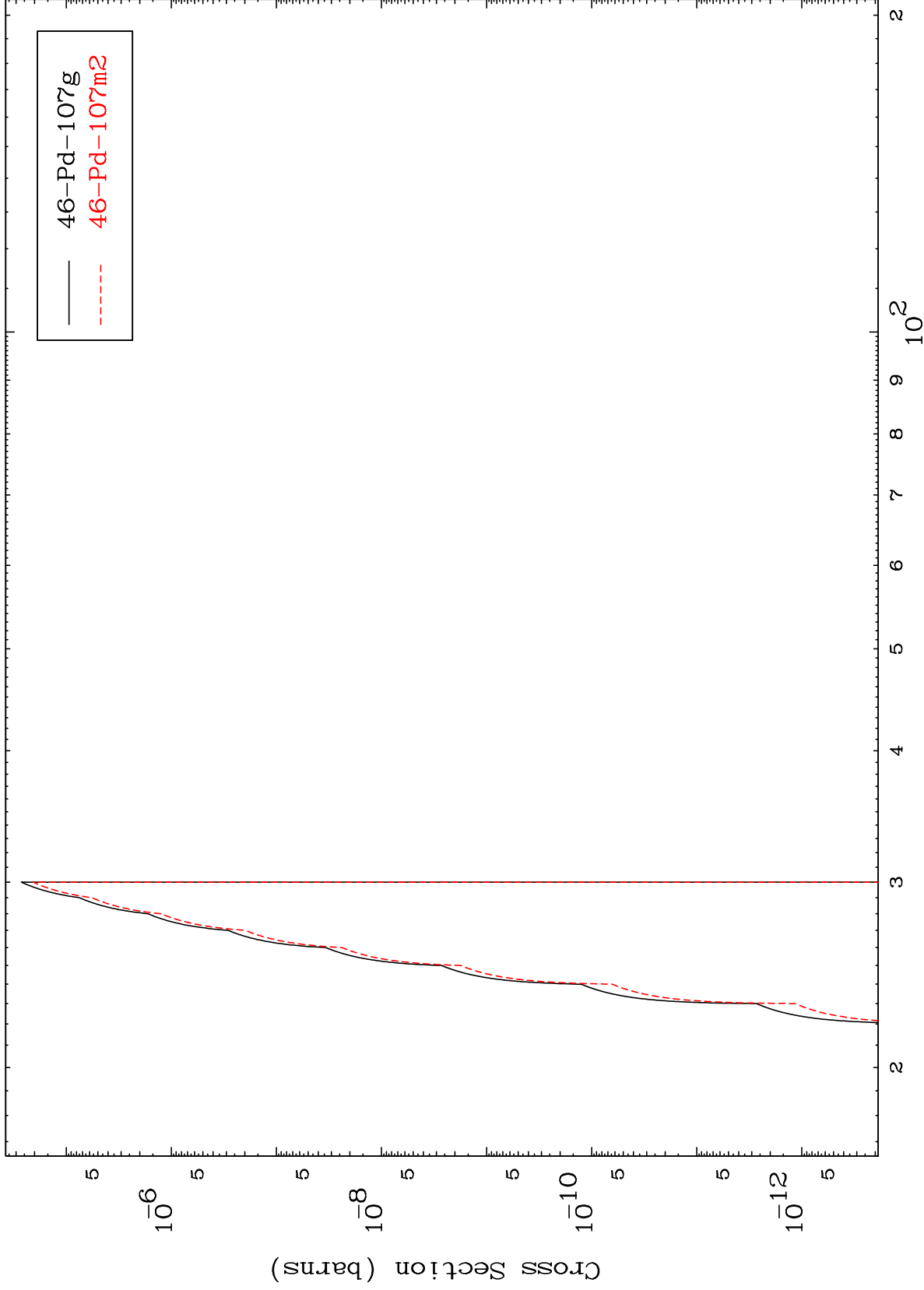
48-Cd-110

MAT 4837

(n, n') He-3

48-Cd-110

Radionuclide Production Cross Section



94

Incident Energy (MeV)

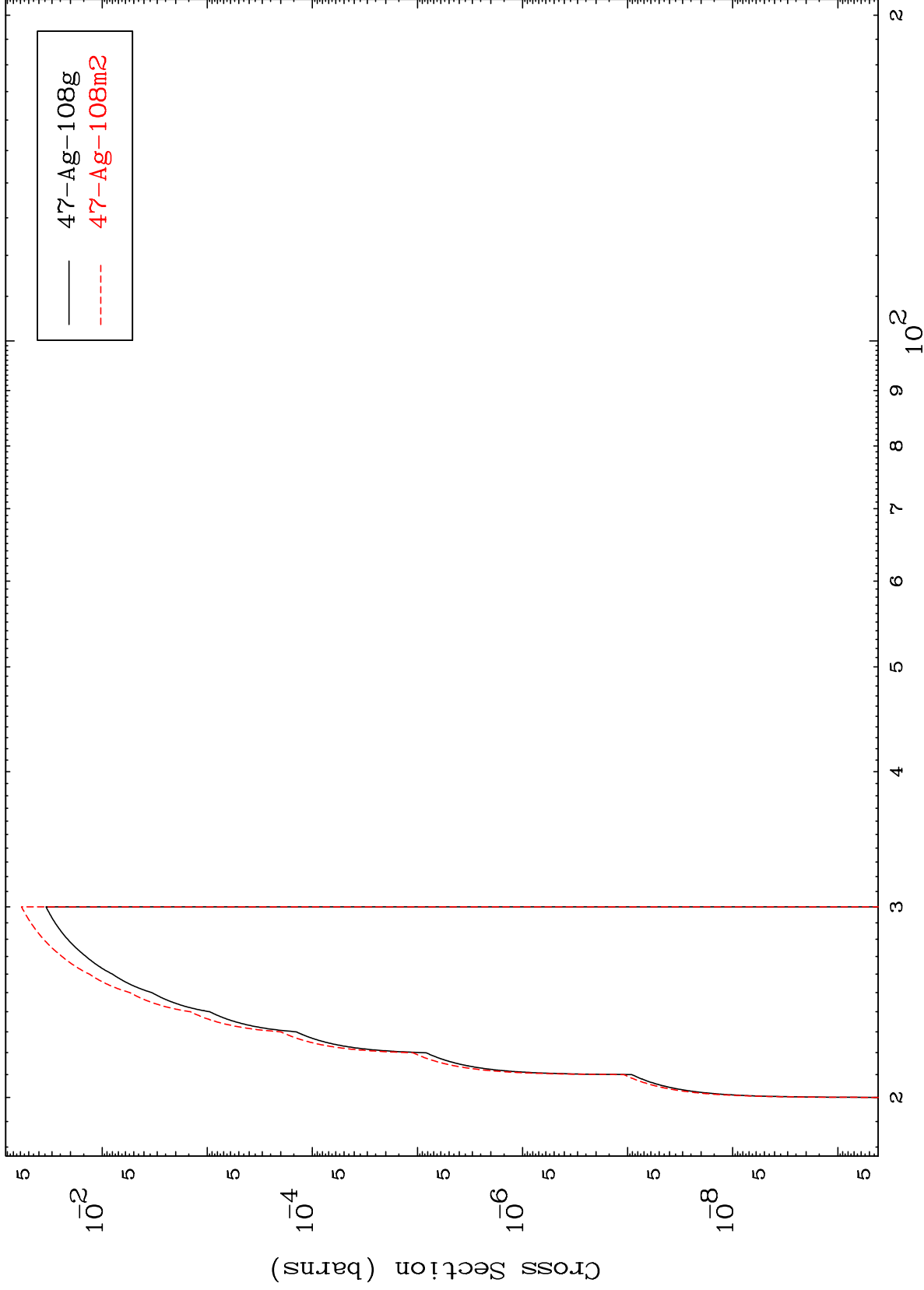
48-Cd-110

MAT 4837

(n,2n) p

48-Cd-110

Radionuclide Production Cross Section



95

Incident Energy (MeV)

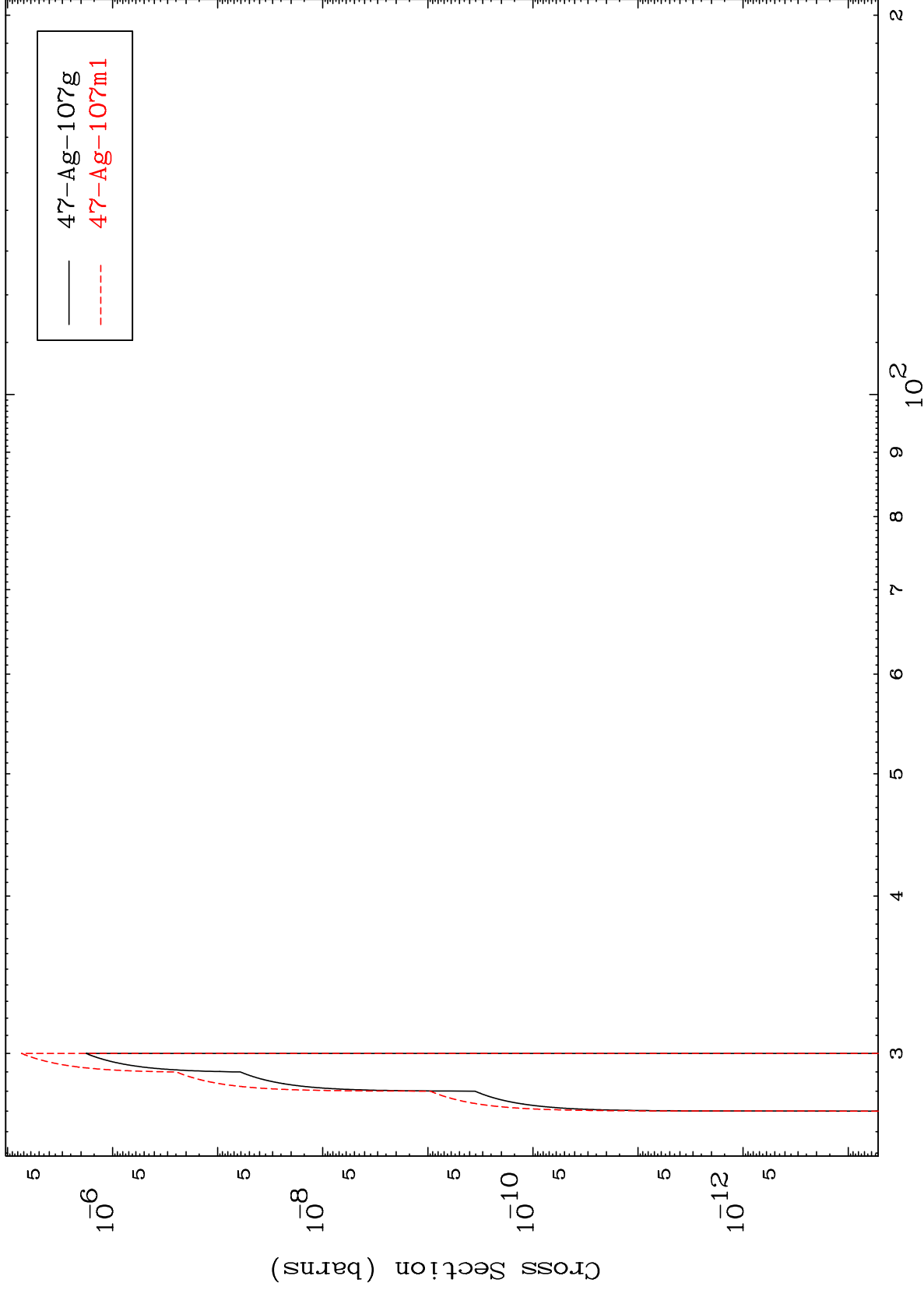
48-Cd-110

MAT 4837

(n,3n) p

48-Cd-110

Radionuclide Production Cross Section



96

Incident Energy (MeV)

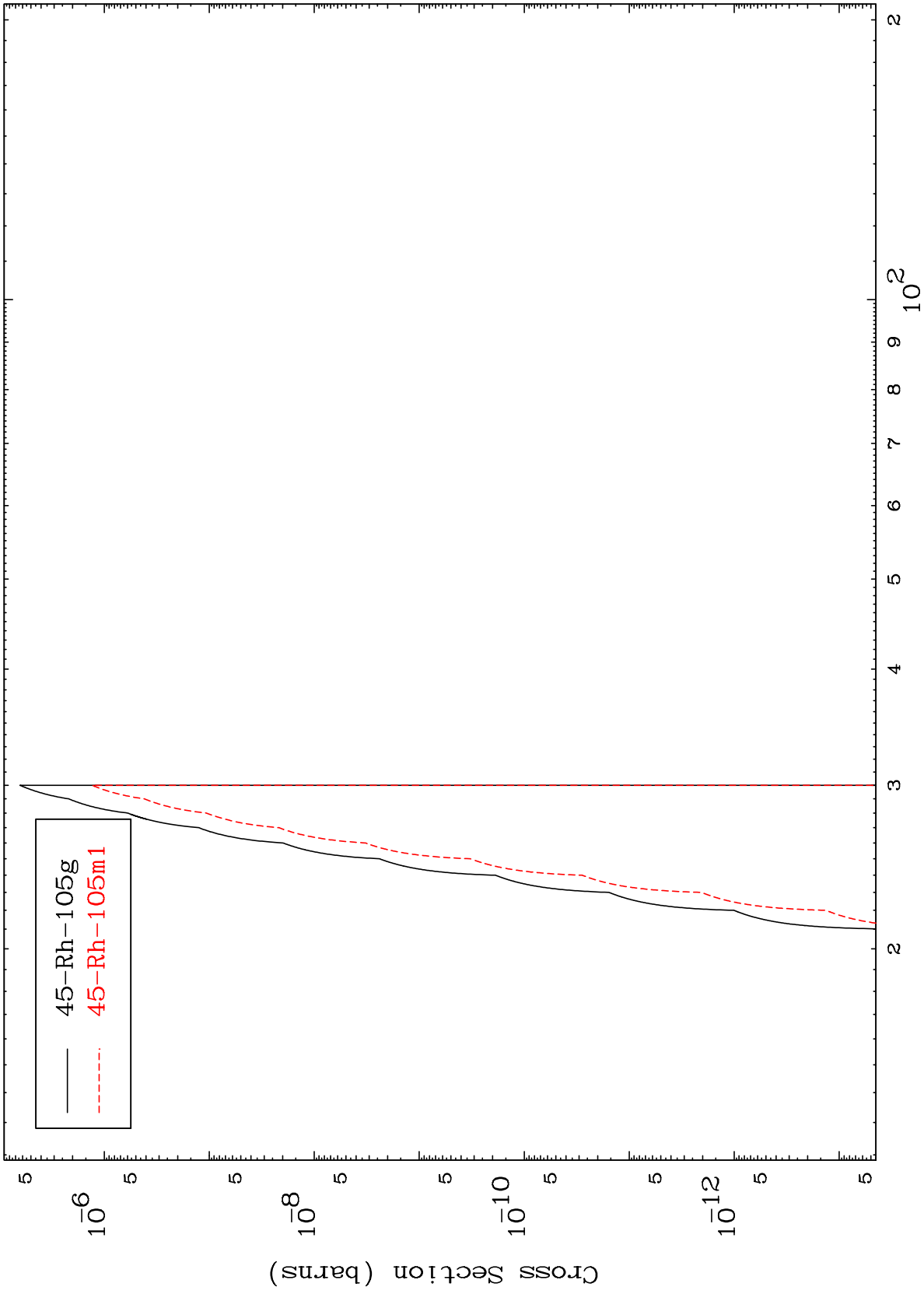
48-Cd-110

MAT 4837

(n,n') p α

48-Cd-110

Radionuclide Production Cross Section



97

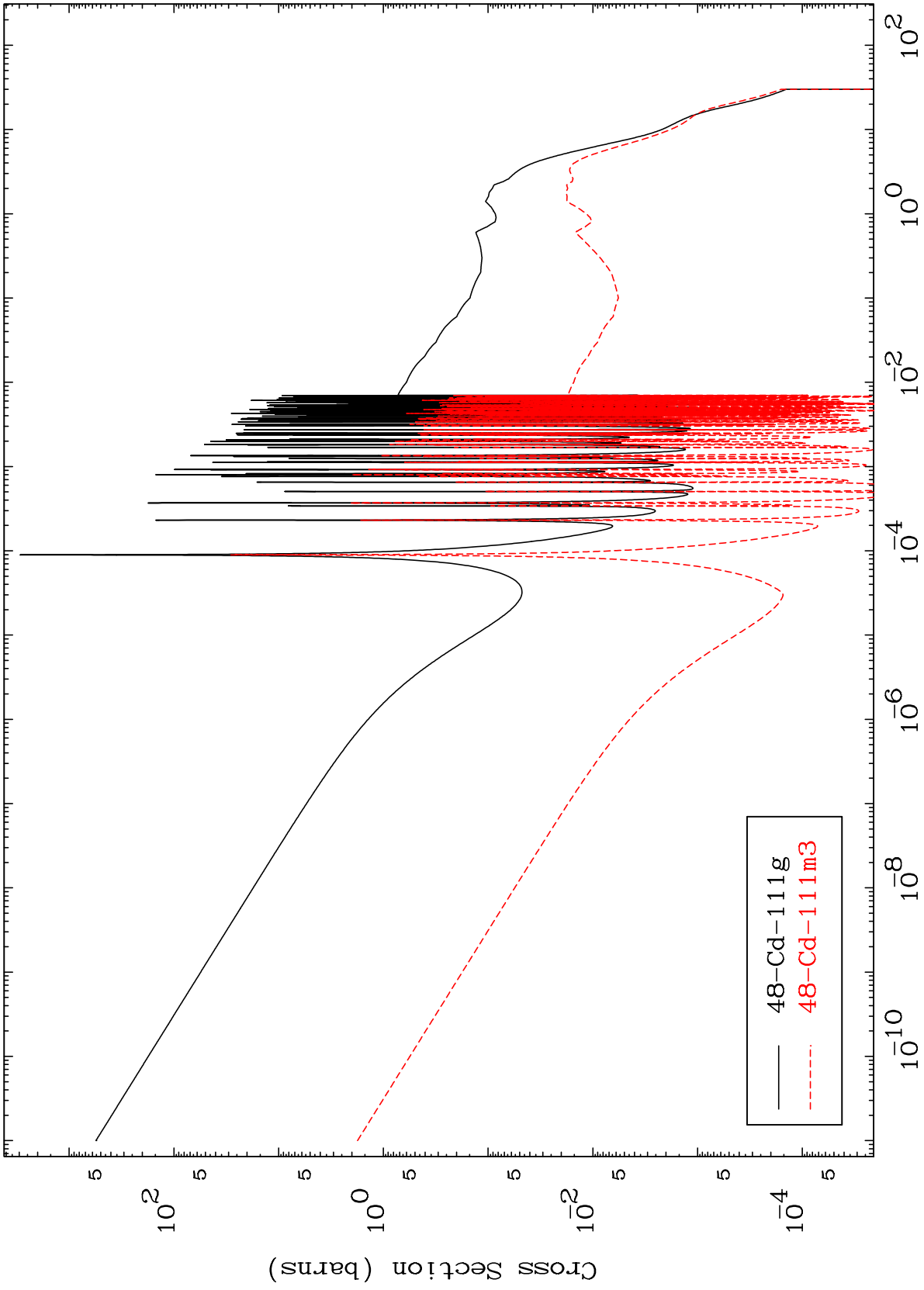
Incident Energy (MeV)

48-Cd-110

MAT 4837

48-Cd-110

(n,γ)
Radionuclide Production Cross Section



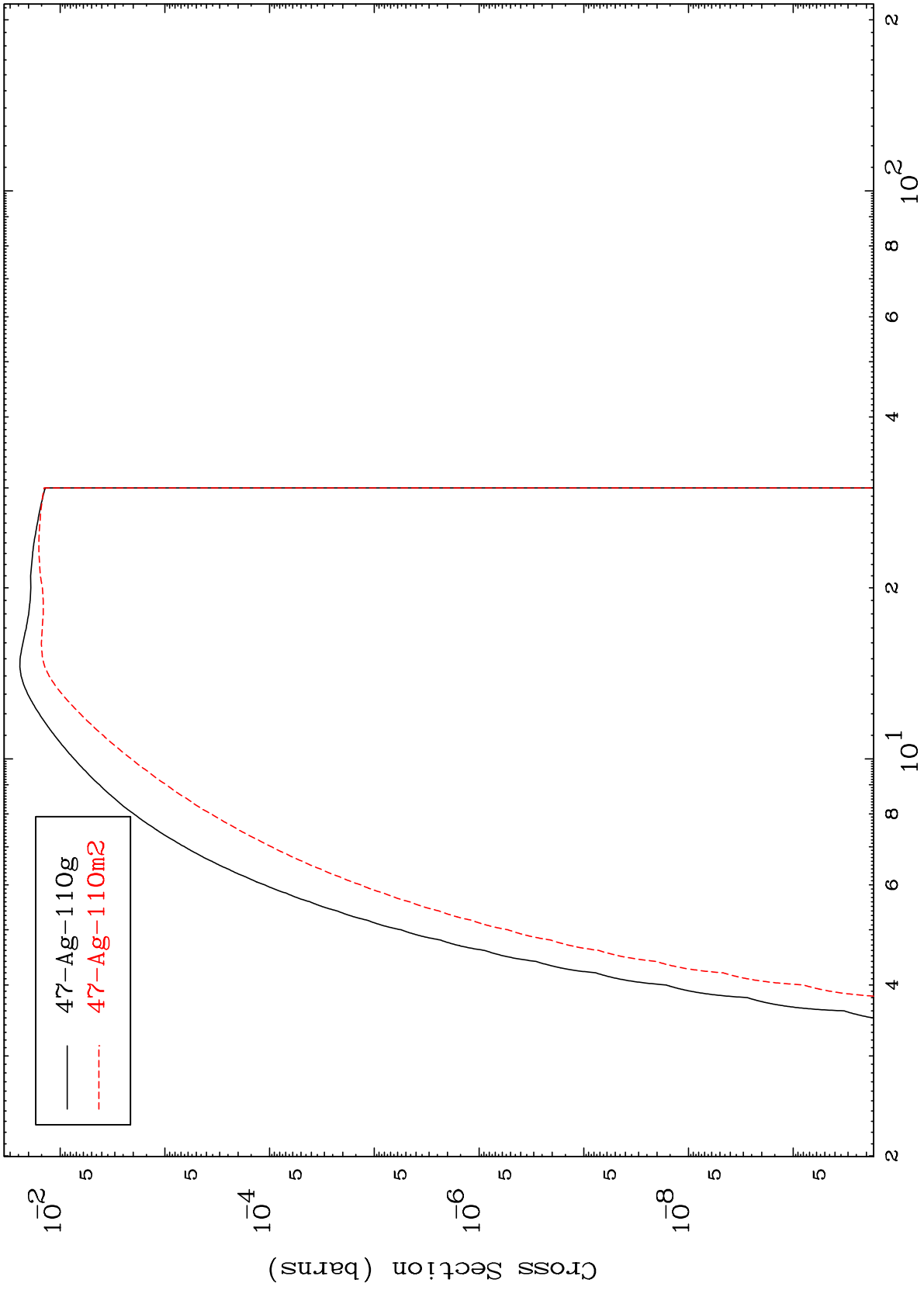
98

48-Cd-110

MAT 4837

48-Cd-110

(n,p)
Radionuclide Production Cross Section



99

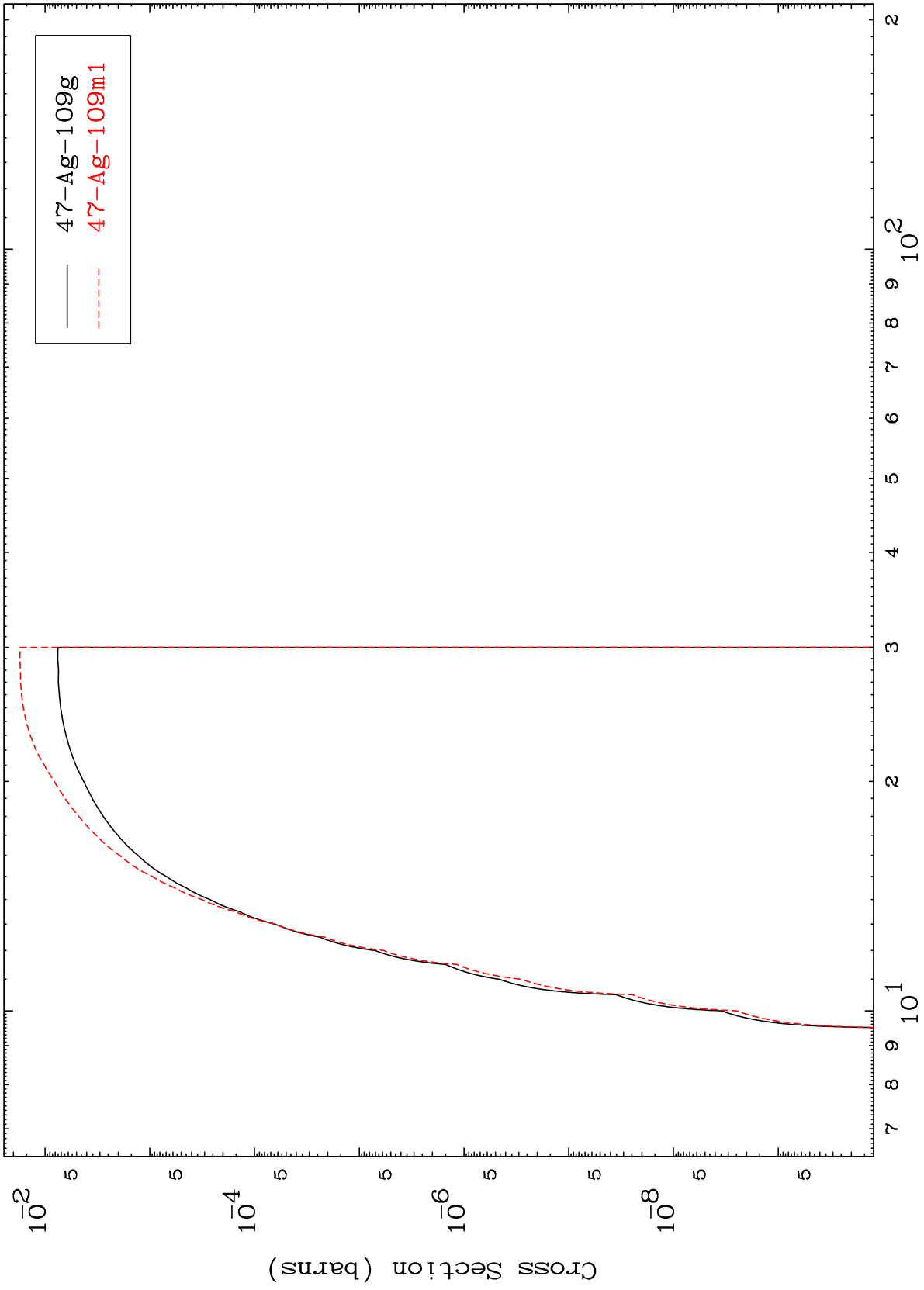
Incident Energy (MeV)

48-Cd-110

MAT 4837

48-Cd-110

(n,d)
Radionuclide Production Cross Section



100

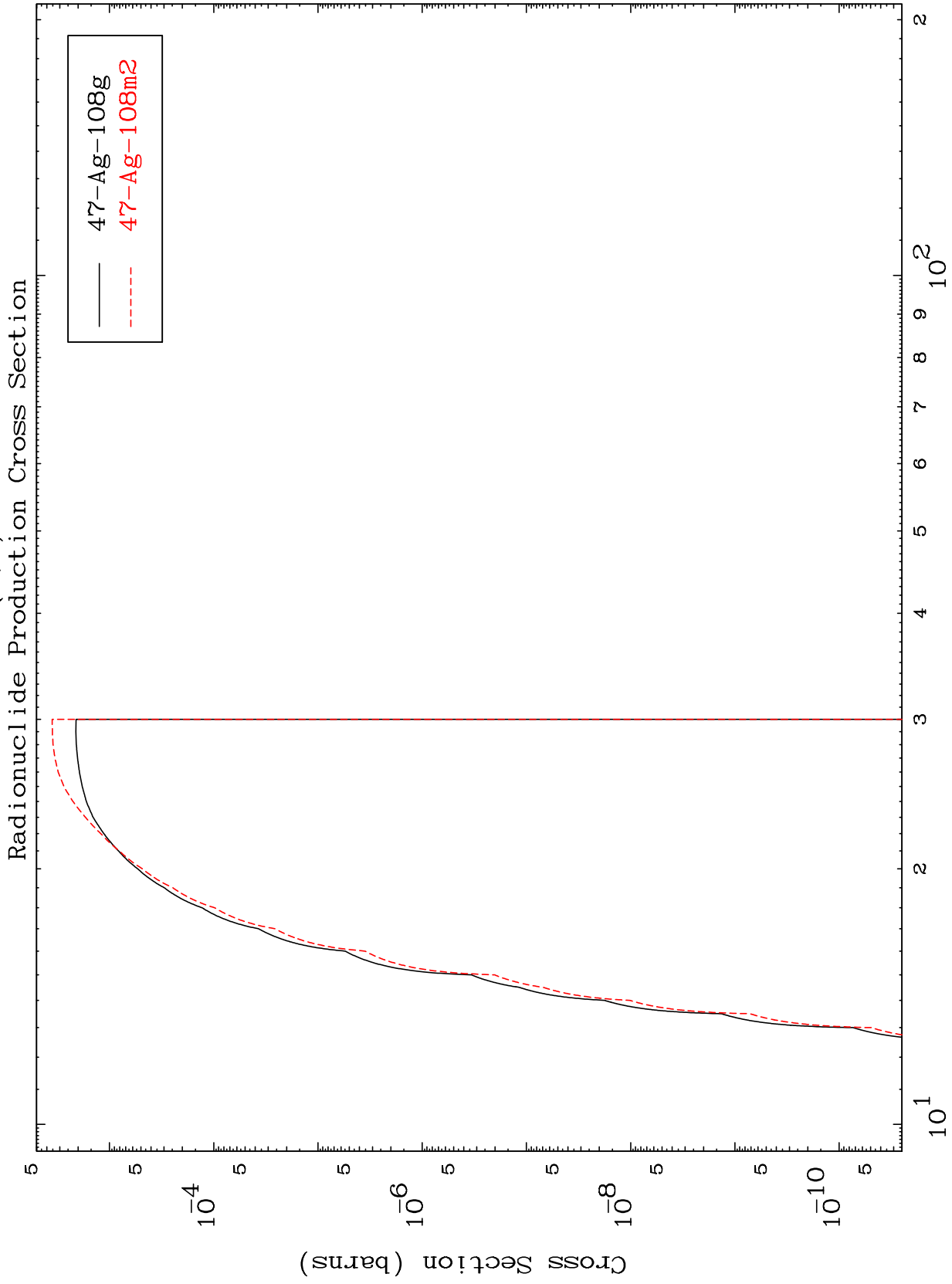
Incident Energy (MeV)

48-Cd-110

MAT 4837

(n, t)

48-Cd-110



48-Cd-110

Incident Energy (MeV)

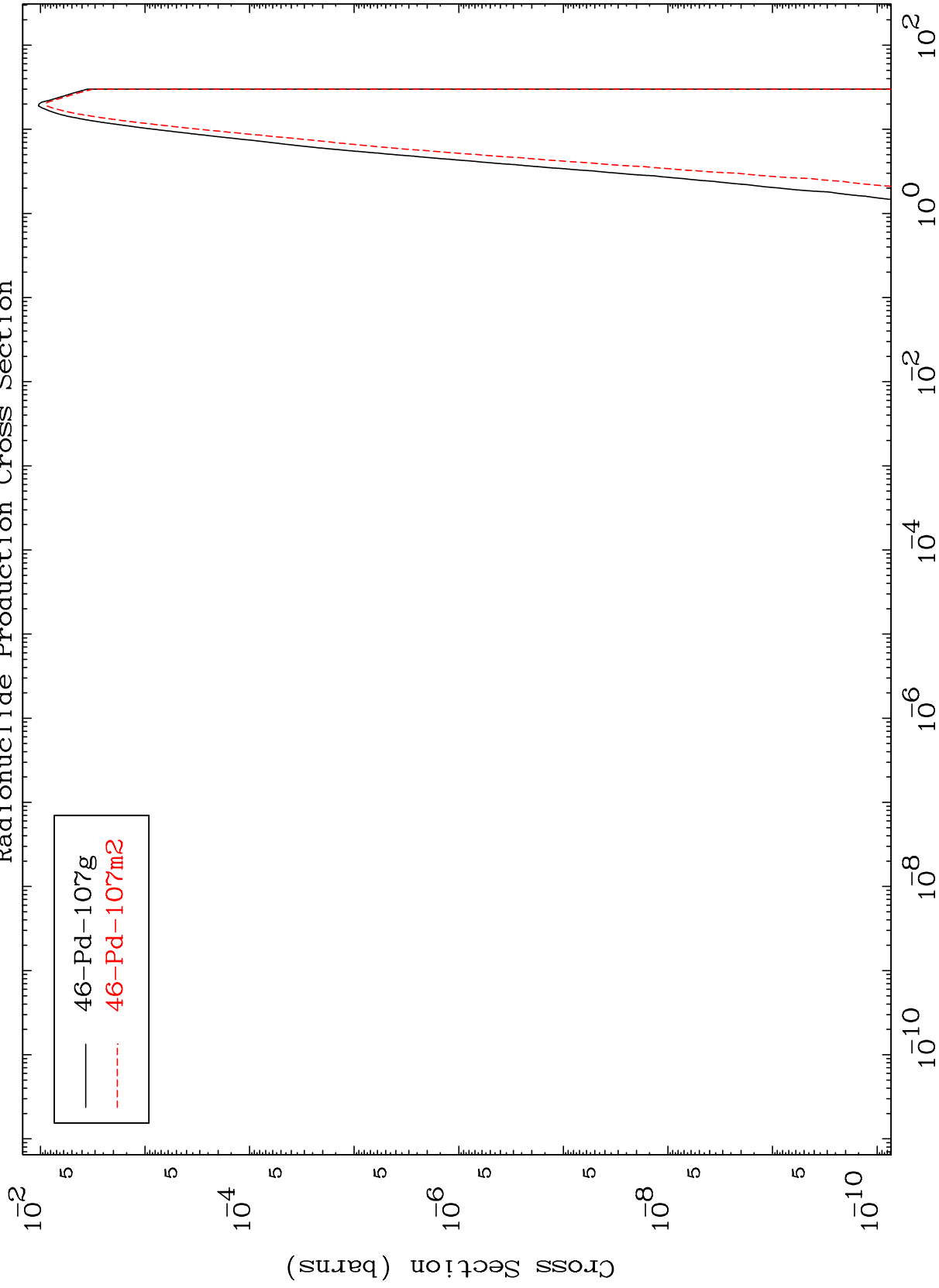
101

MAT 4837

(n, α)

48-Cd-110

Radionuclide Production Cross Section



46-Pd-107g
46-Pd-107m2

102

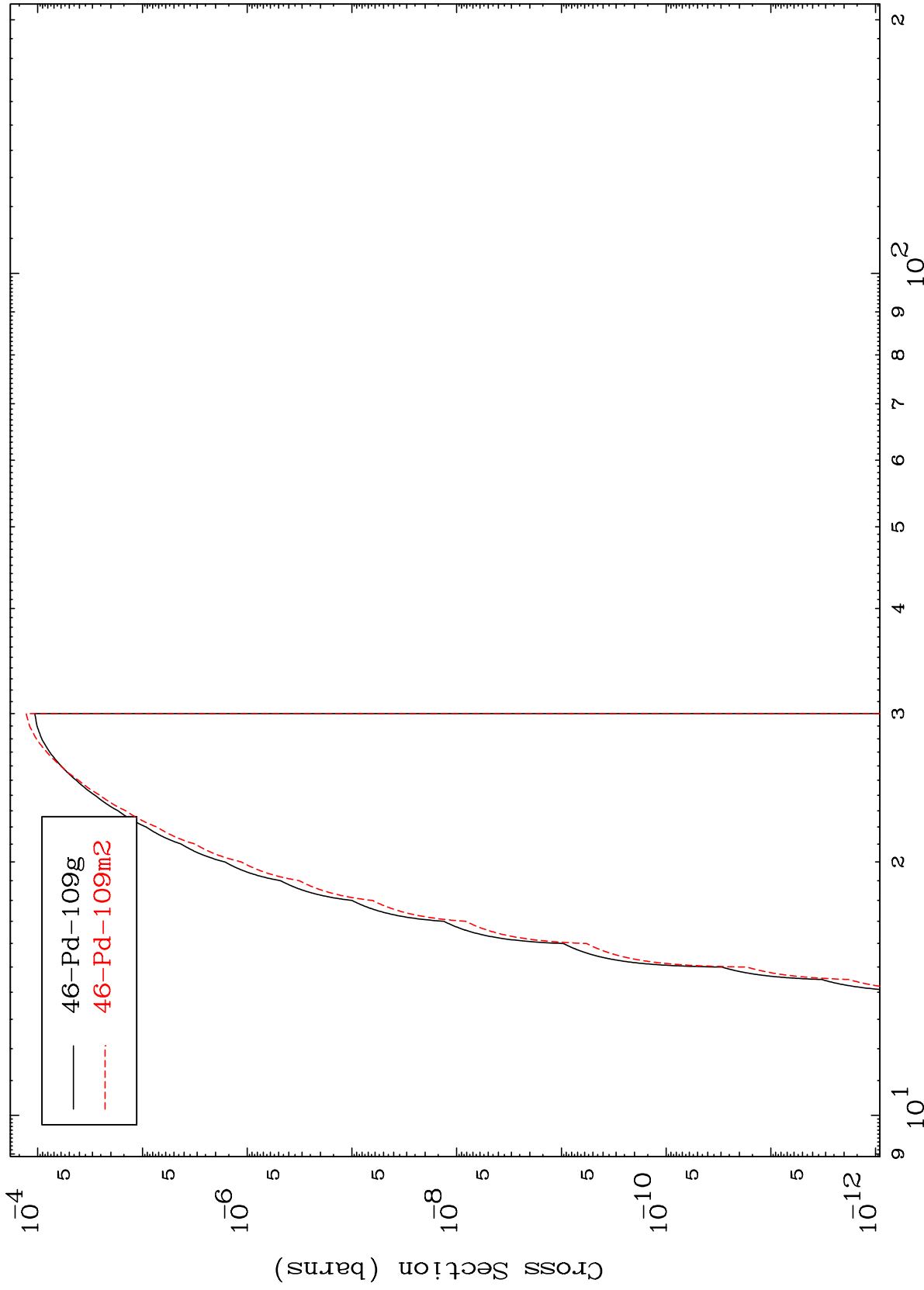
Incident Energy (MeV)

48-Cd-110

MAT 4837

48-Cd-110

Radionuclide Production Cross Section
(n,2p)



103

Incident Energy (MeV)

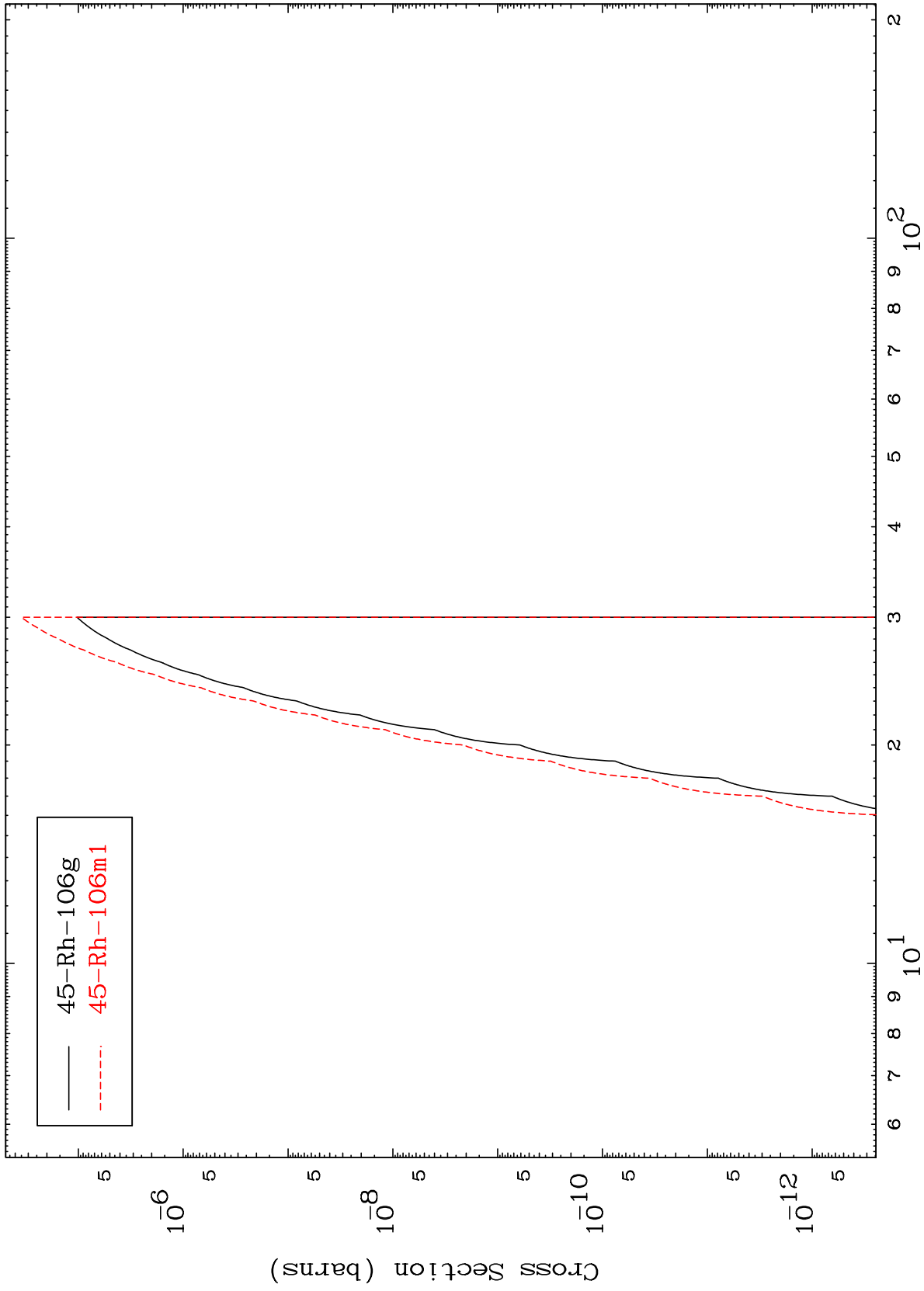
48-Cd-110

MAT 4837

(n,p) α

48-Cd-110

Radionuclide Production Cross Section



104

Incident Energy (MeV)

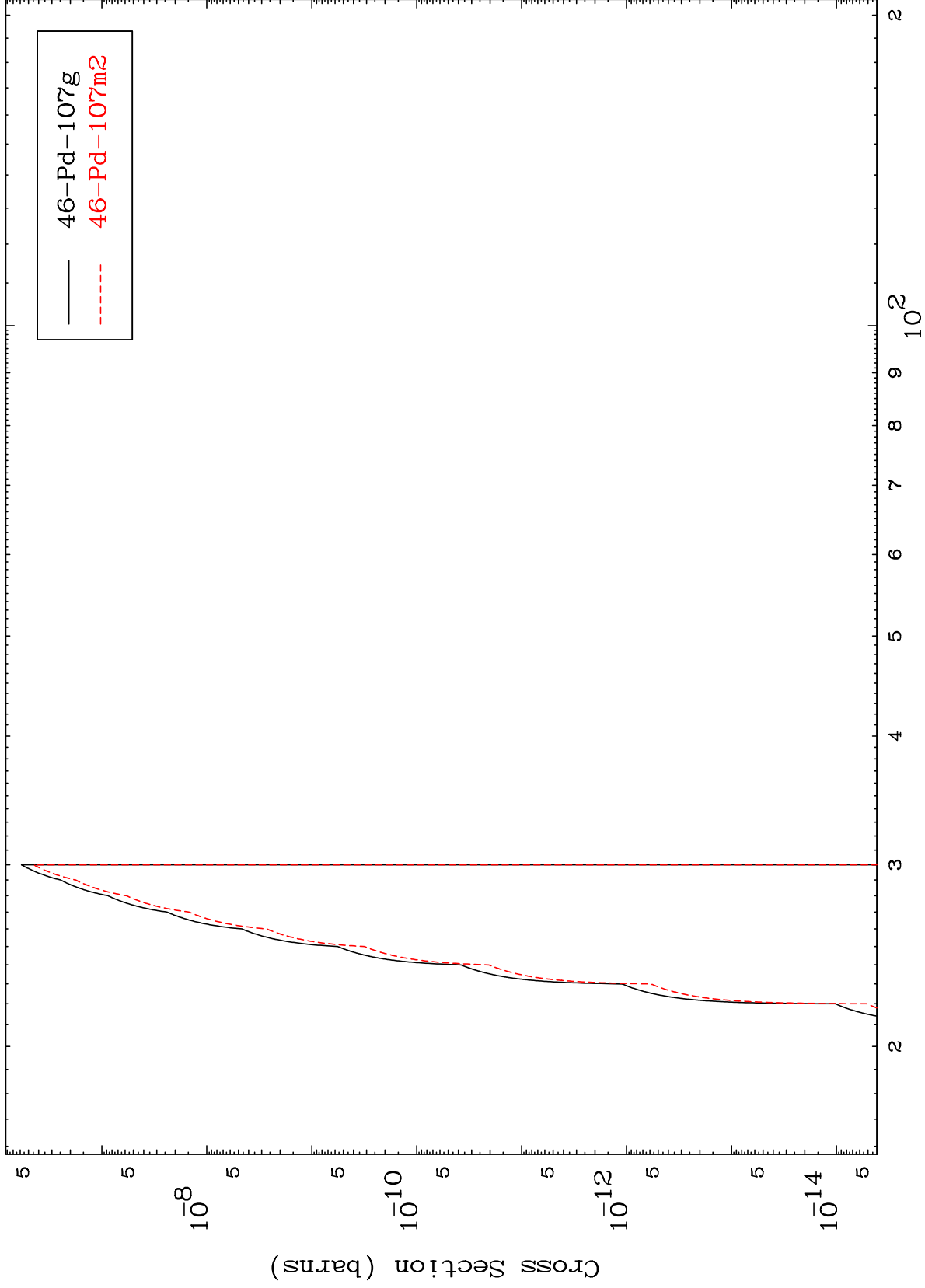
48-Cd-110

MAT 4837

(n,p) t

48-Cd-110

Radionuclide Production Cross Section



105

Incident Energy (MeV)

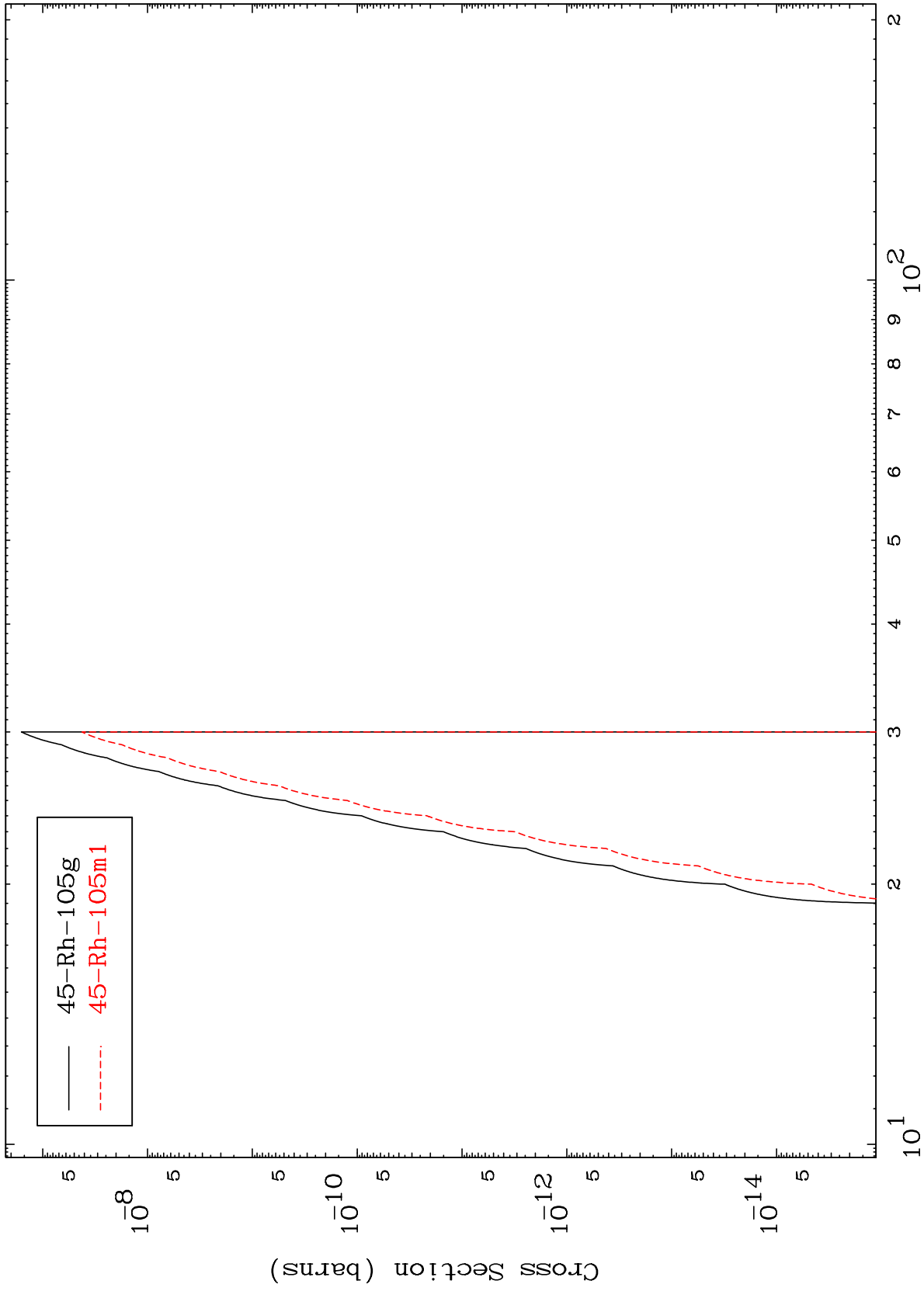
48-Cd-110

MAT 4837

(n,d) α

48-Cd-110

Radionuclide Production Cross Section



10¹

2

3

4

5

6

7

8

9

10²

48-Cd-110

Incident Energy (MeV)

10⁶