

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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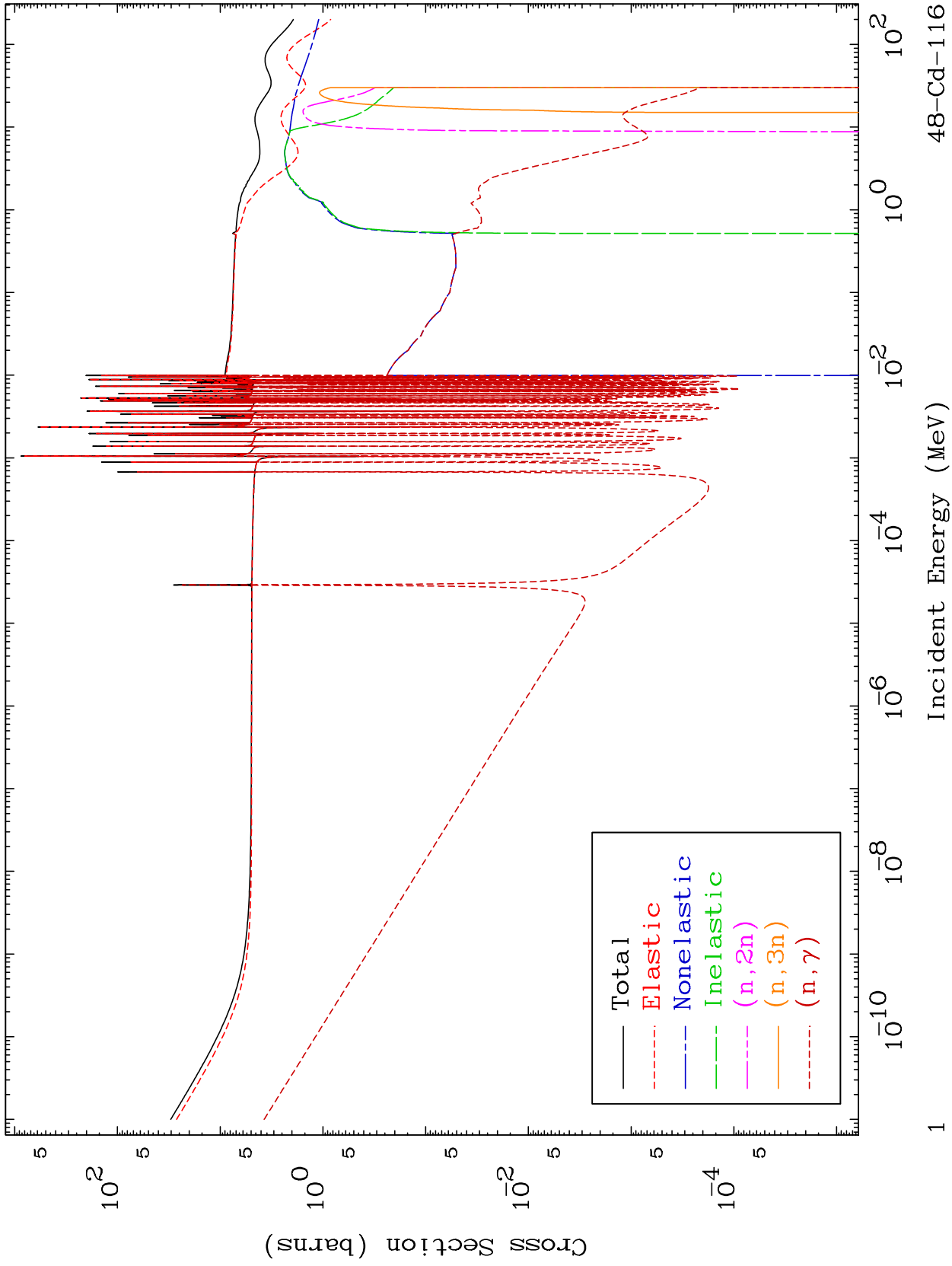
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4855

Neutron Major  
293 Kelvin Cross Sections

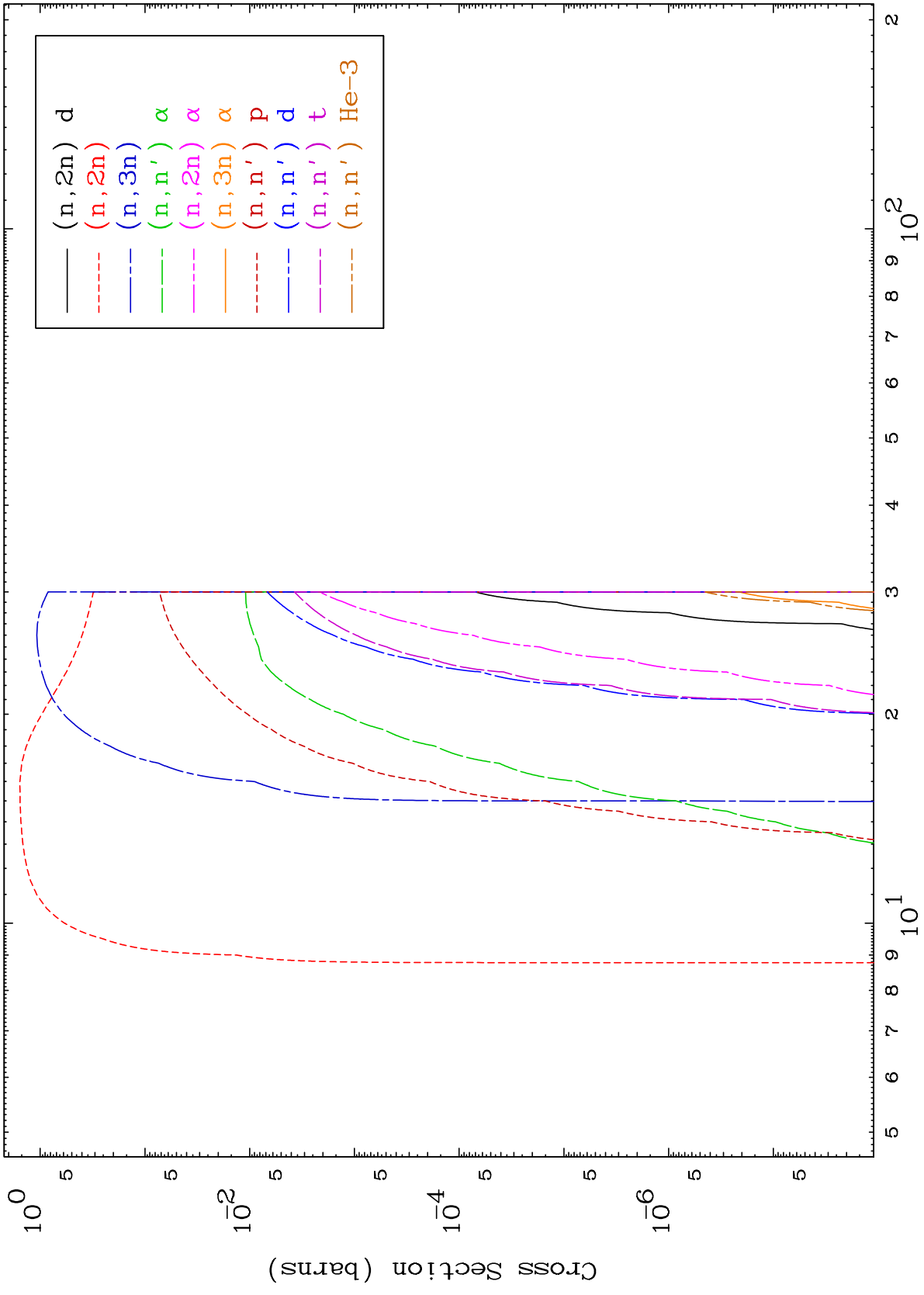
48-Cd-116



MAT 4855

Neutron Absorption  
293 Kelvin Cross Sections

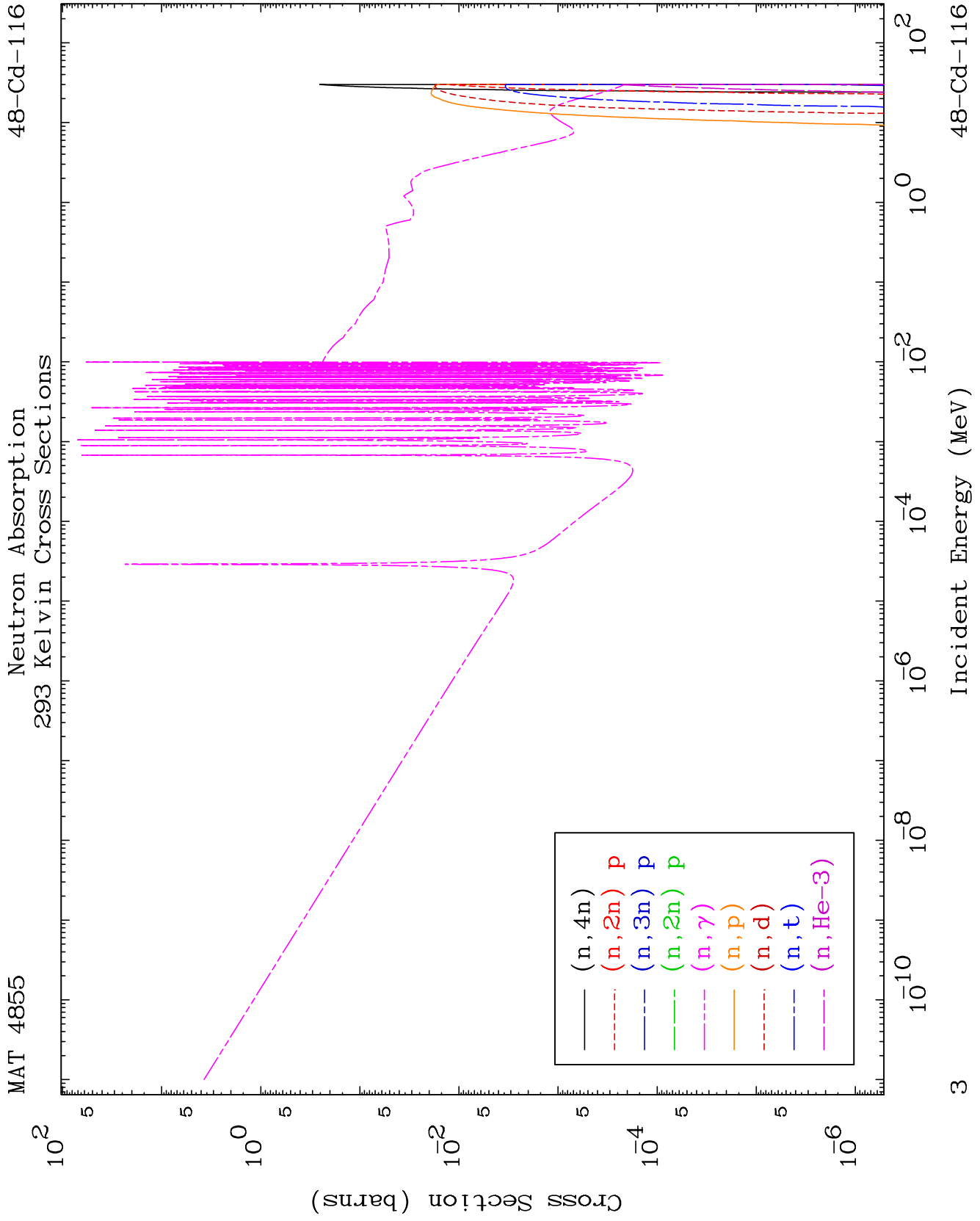
48-Cd-116



2

Incident Energy (MeV)

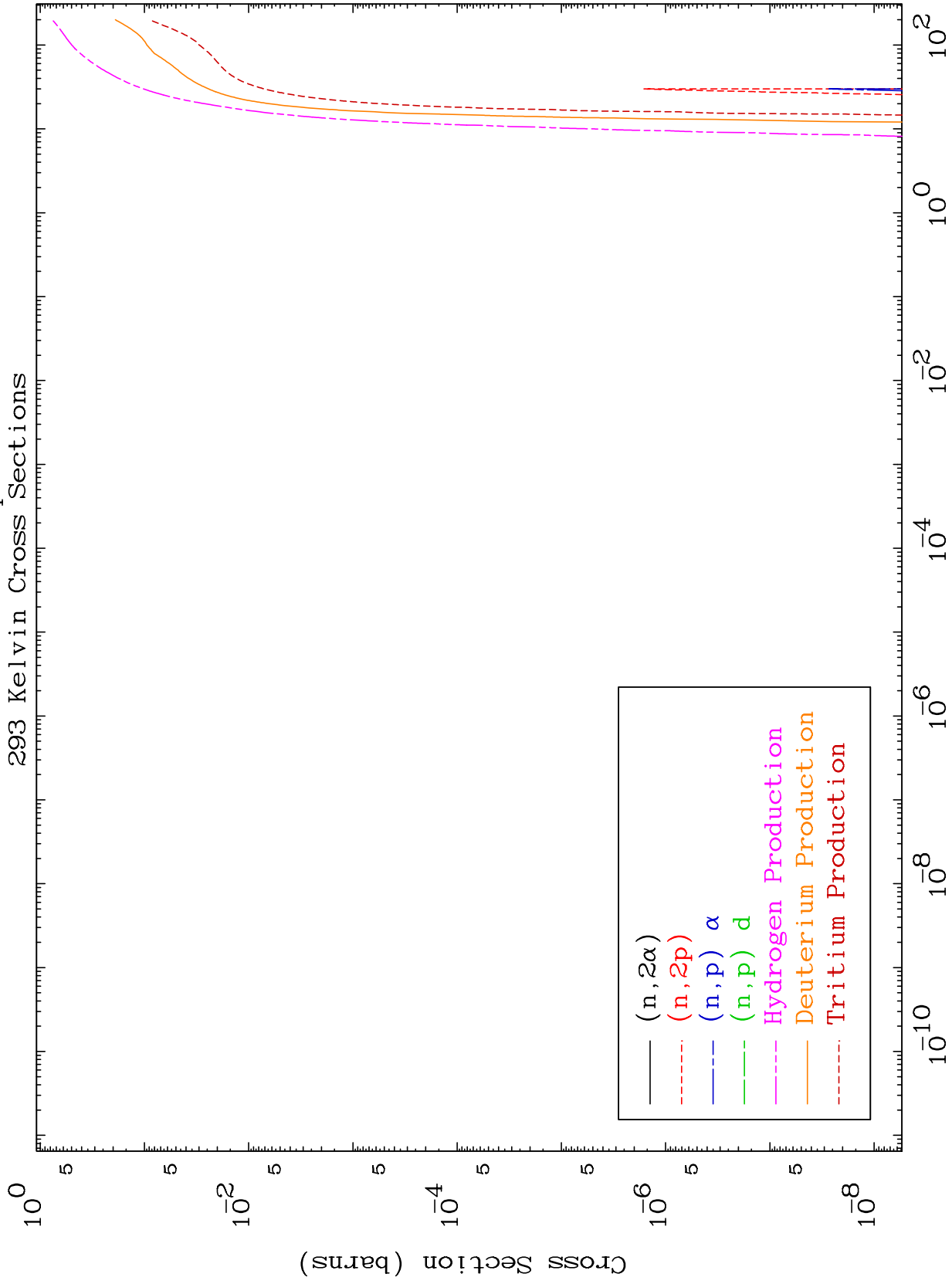
48-Cd-116



MAT 4855

Neutron Absorption  
293 Kelvin Cross Sections

48-Cd-116

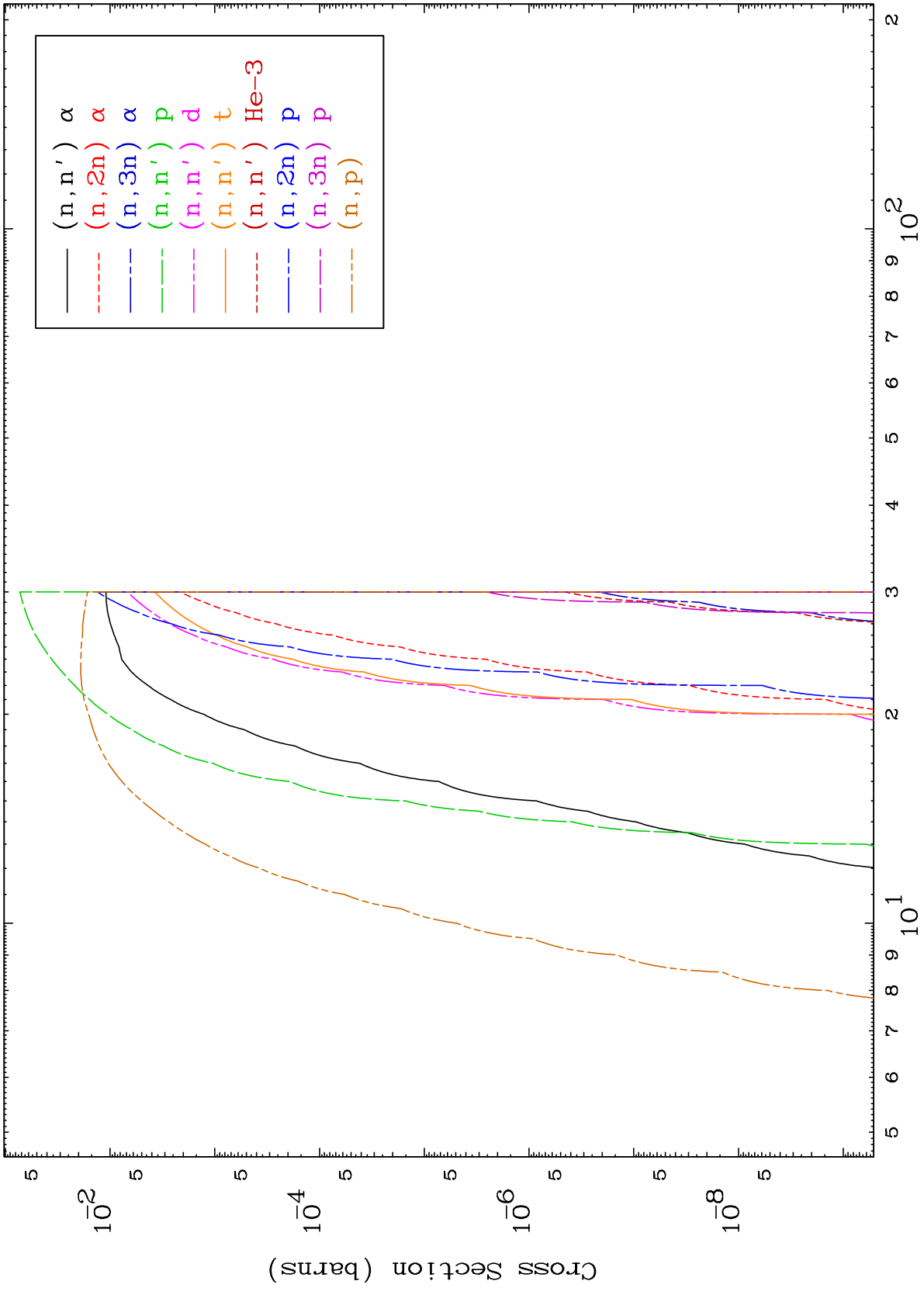


48-Cd-116

MAT 4855

Charged Particle  
293 Kelvin Cross Sections

48-Cd-116



5

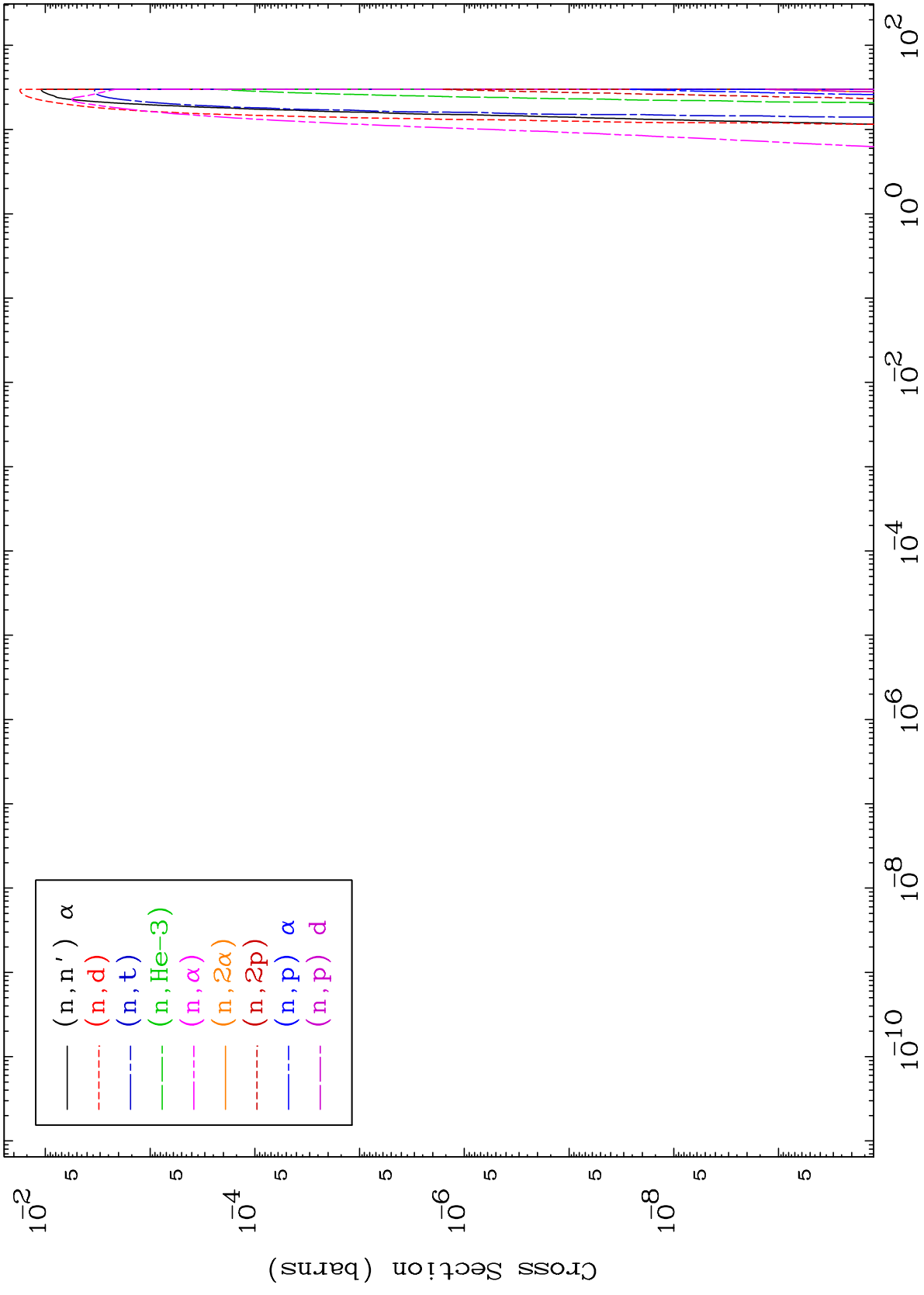
Incident Energy (MeV)

48-Cd-116

MAT 4855

Charged Particle  
293 Kelvin Cross Sections

48-Cd-116

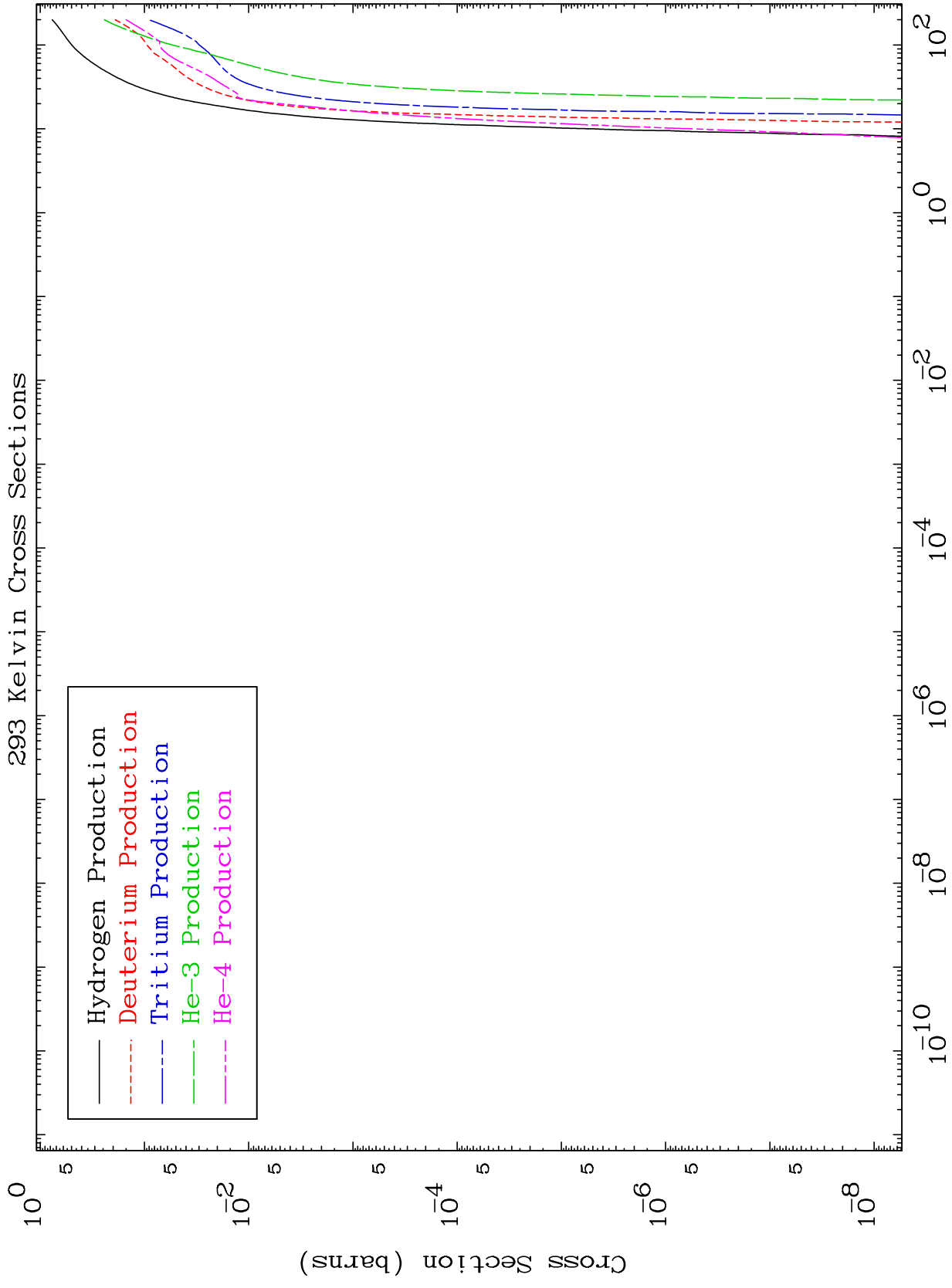


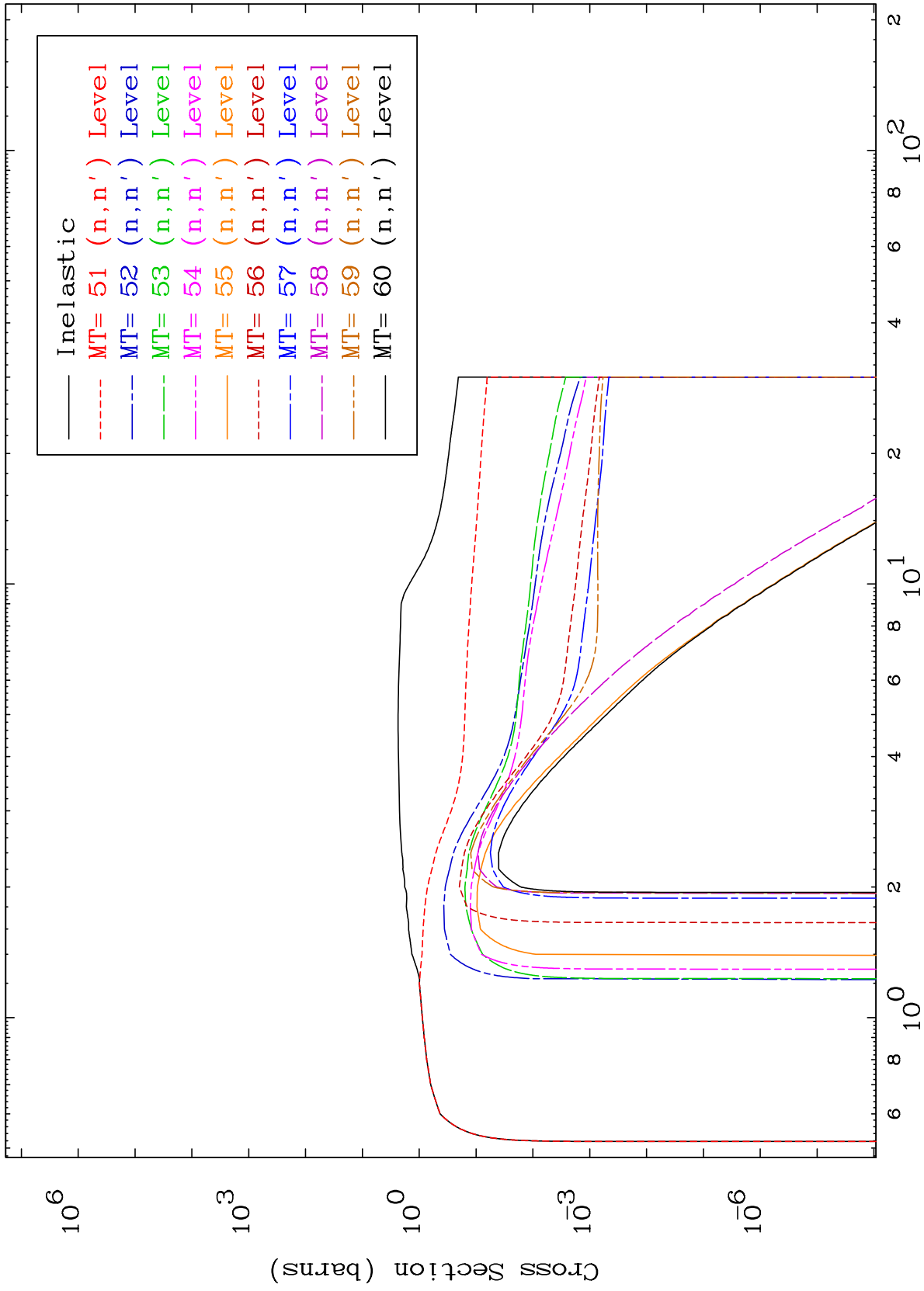
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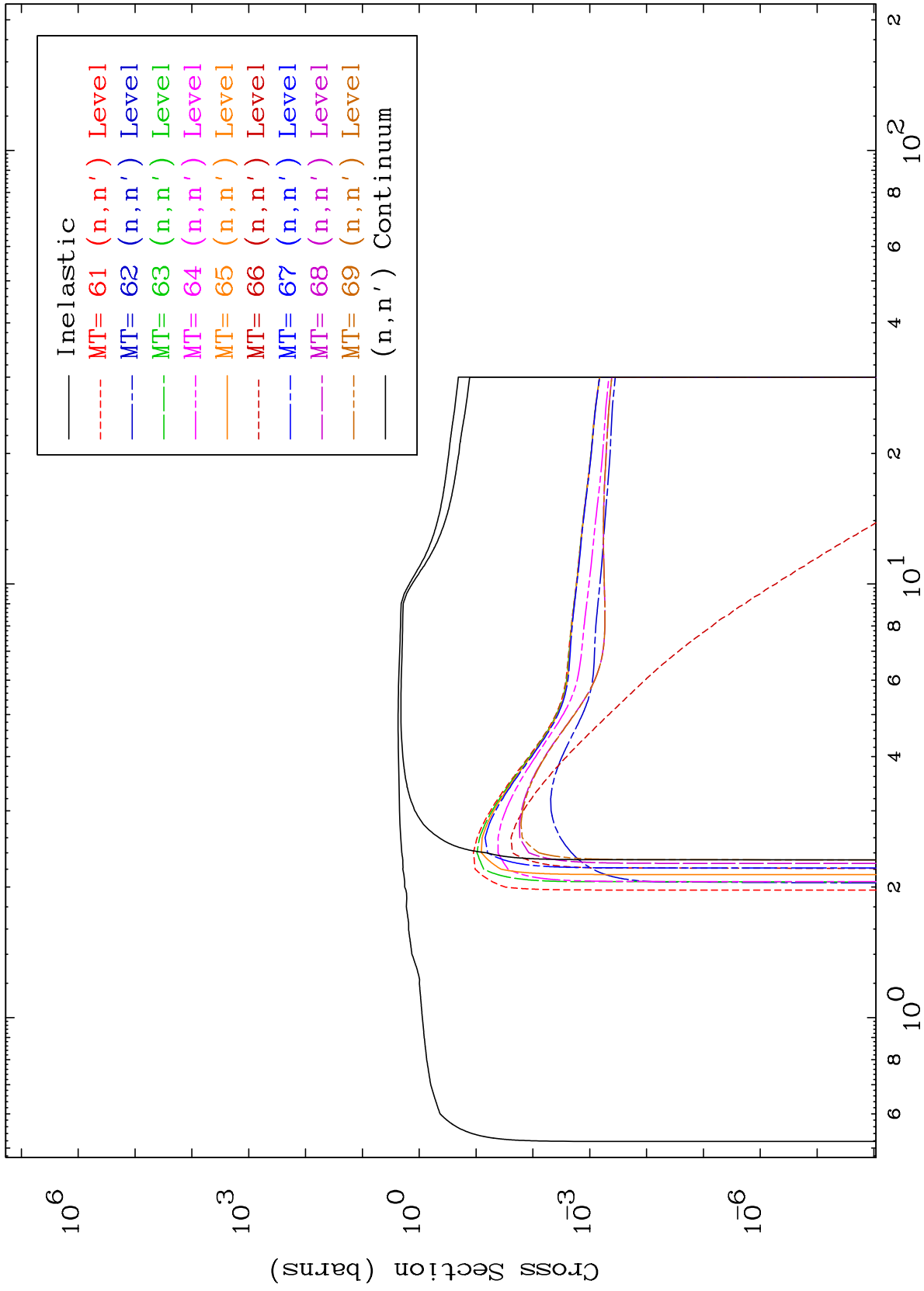
MAT 4855

Particle Production  
293 Kelvin Cross Sections

48-Cd-116



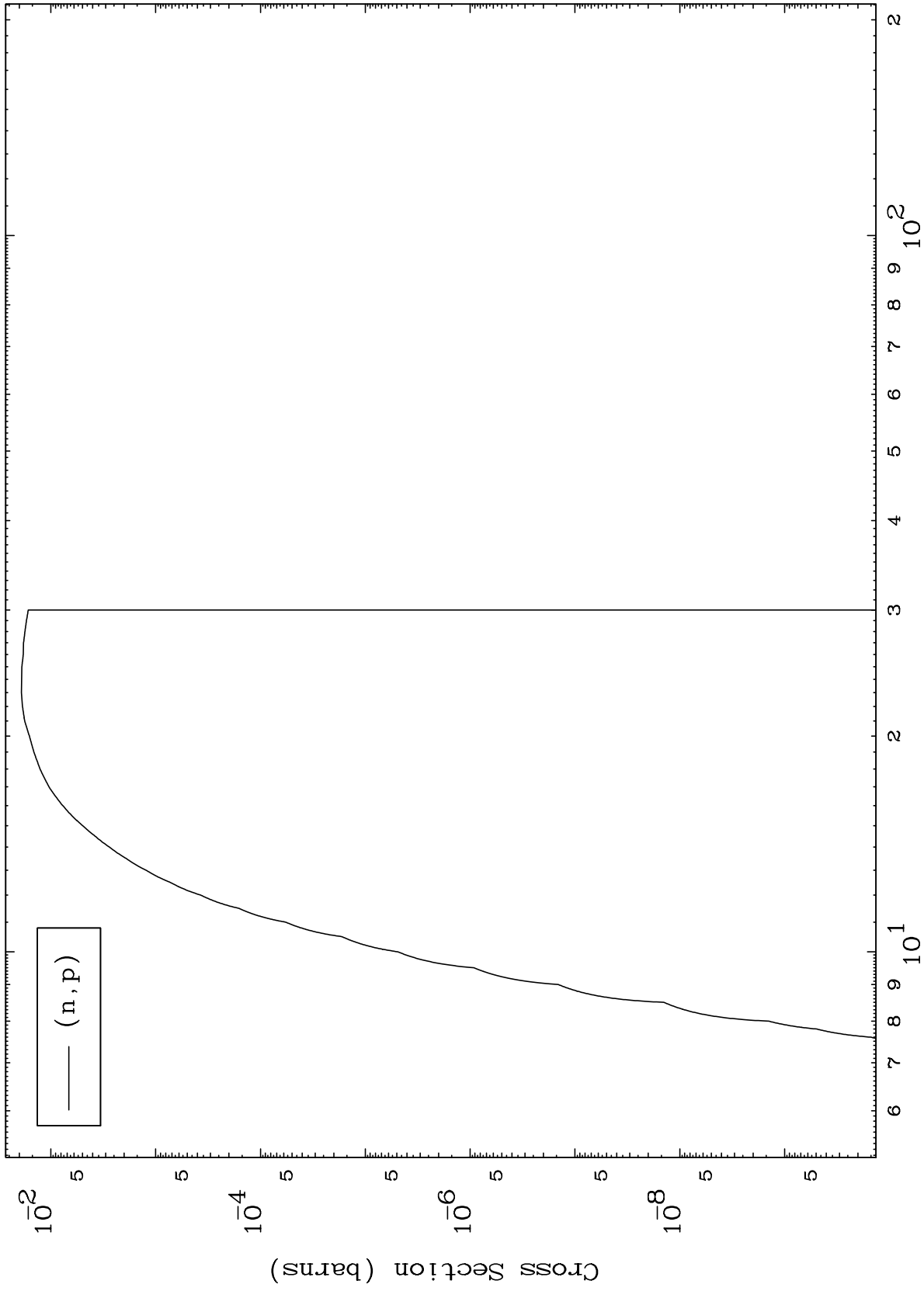




MAT 4855

(n,p) Levels  
293 Kelvin Cross Sections

48-Cd-116



10

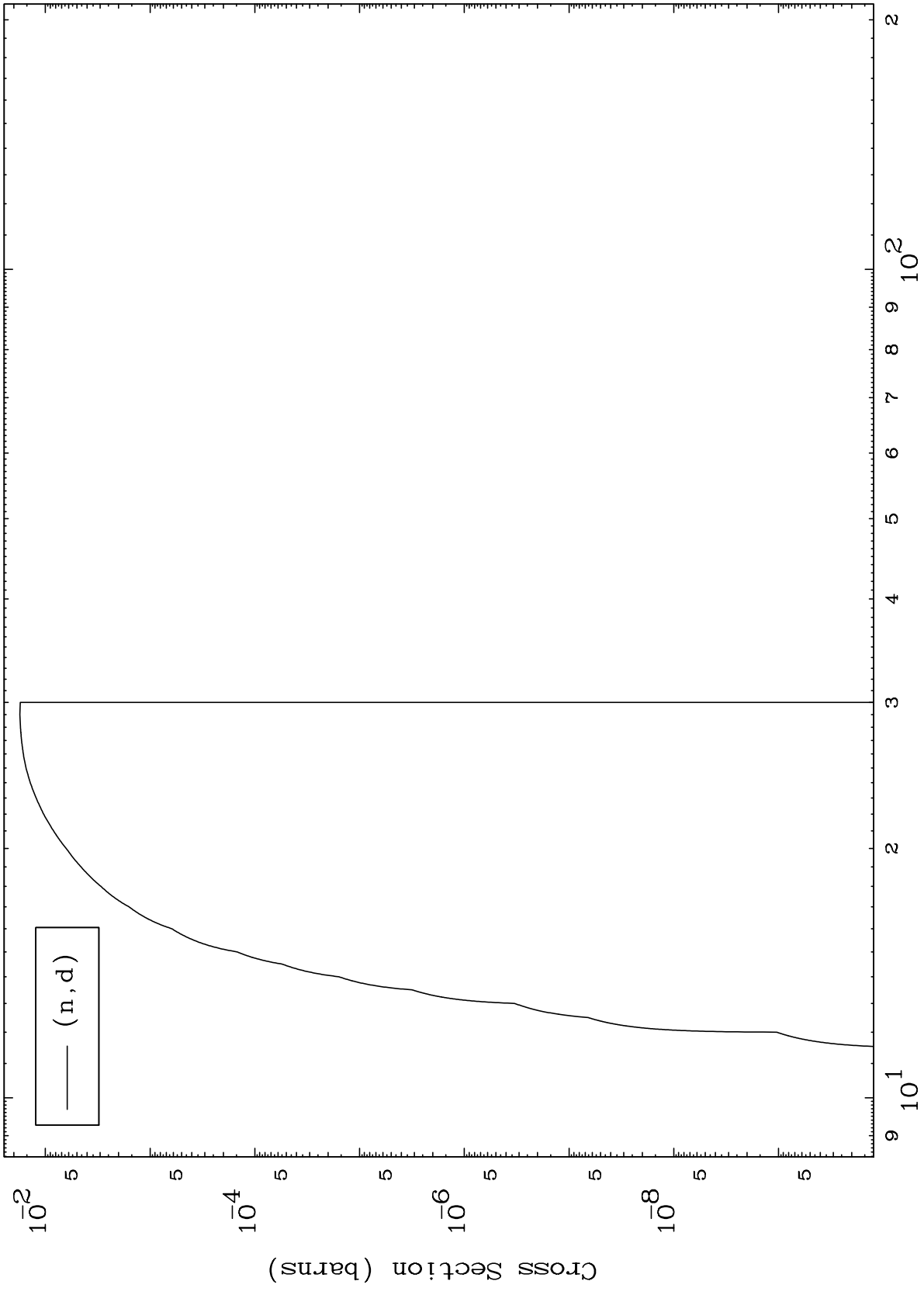
Incident Energy (MeV)

48-Cd-116

MAT 4855

(n,d) Levels  
293 Kelvin Cross Sections

48-Cd-116



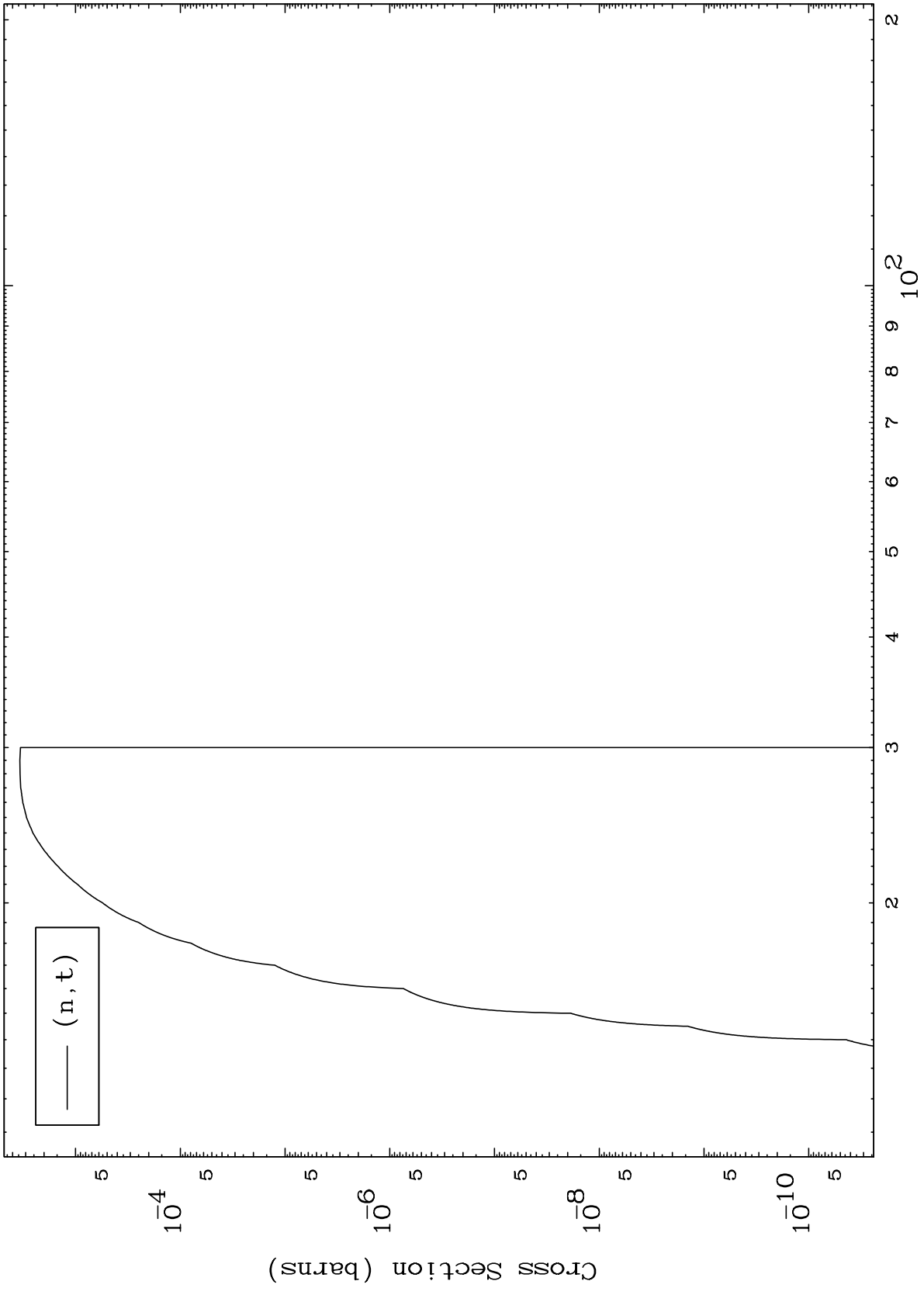
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48-Cd-116

MAT 4855

(n,t) Levels  
293 Kelvin Cross Sections

48-Cd-116



12

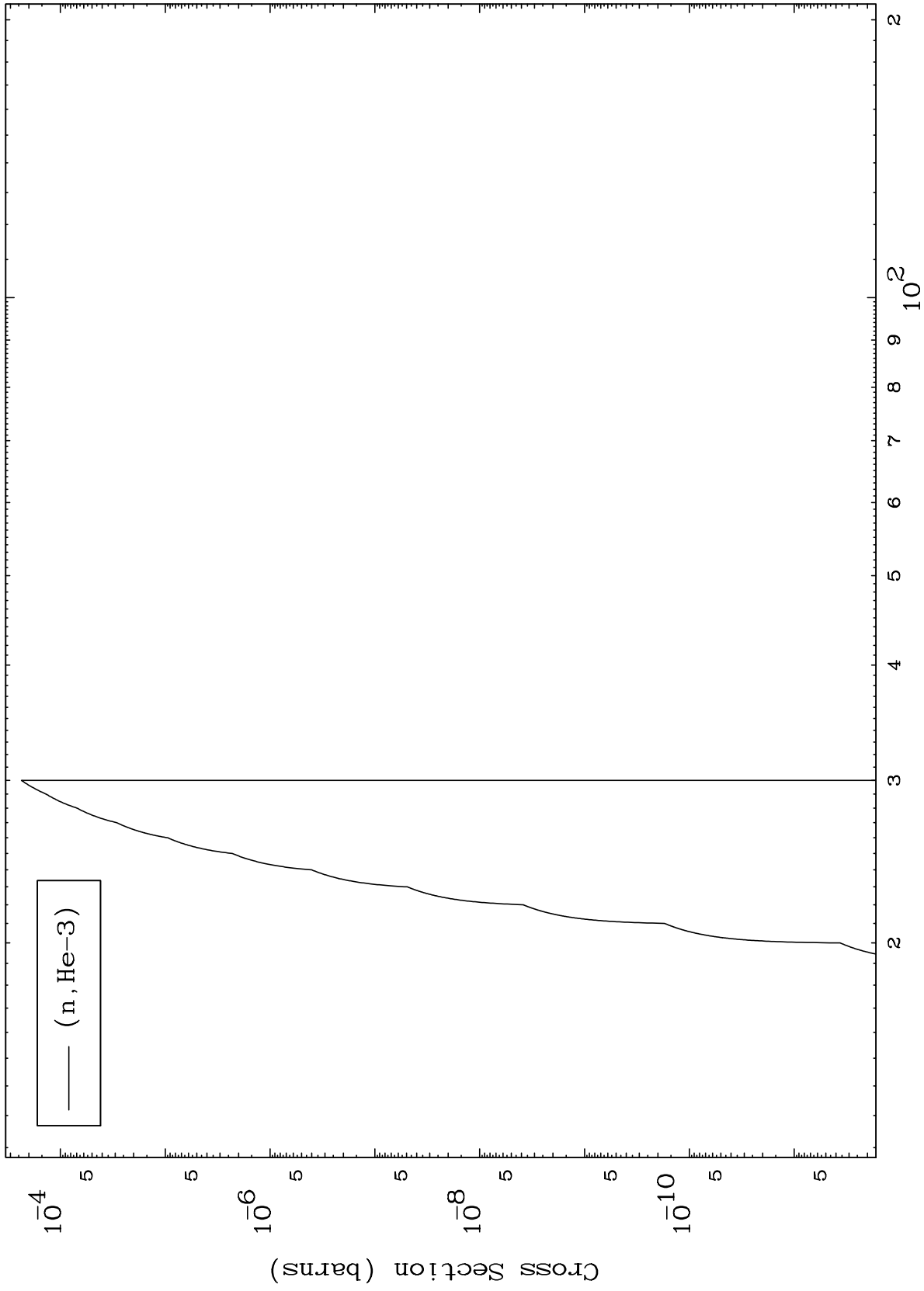
Incident Energy (MeV)

48-Cd-116

MAT 4855

(n,He3) Levels  
293 Kelvin Cross Sections

48-Cd-116



13

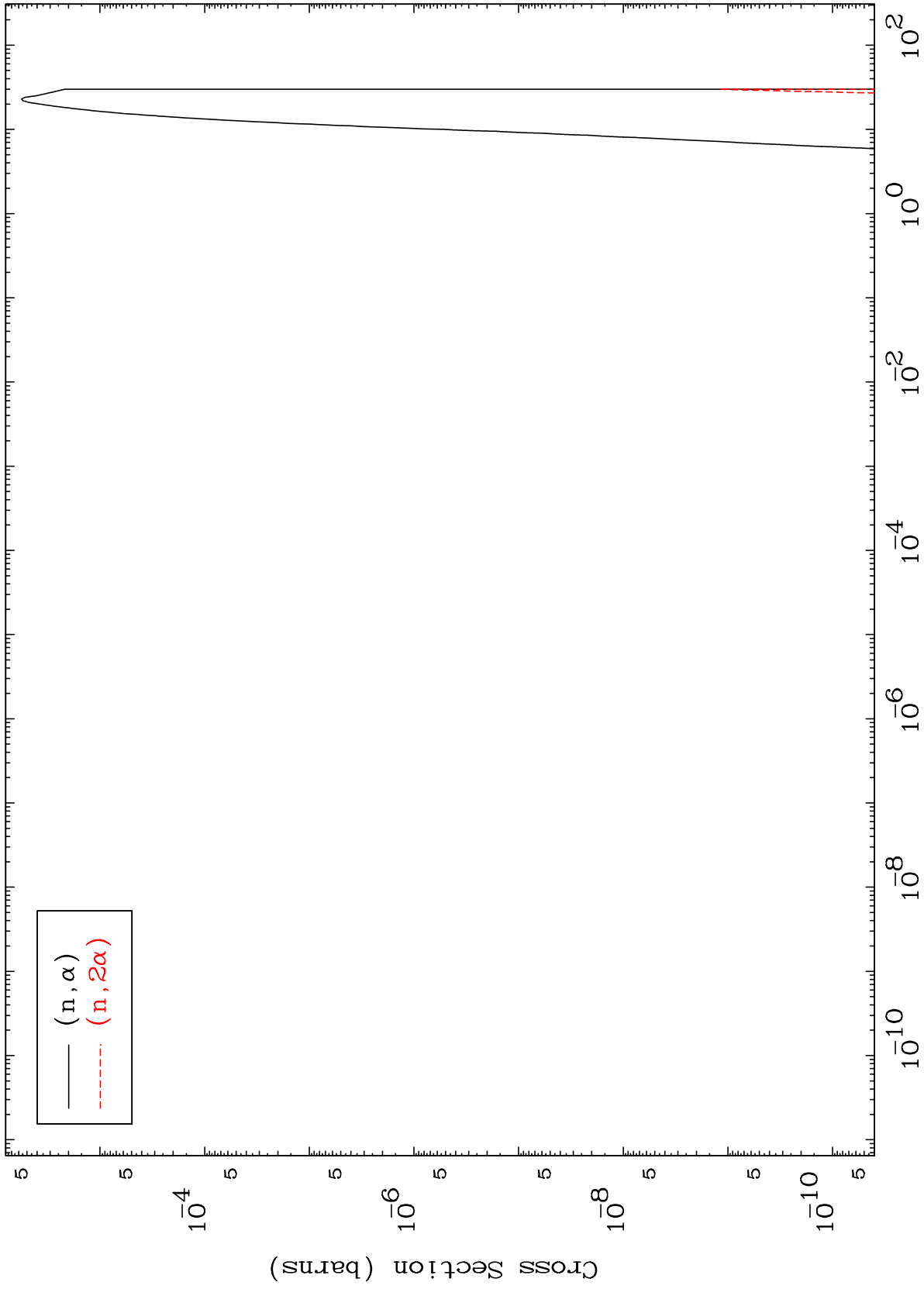
Incident Energy (MeV)

48-Cd-116

MAT 4855

(n,α) Levels  
293 Kelvin Cross Sections

48-Cd-116



14

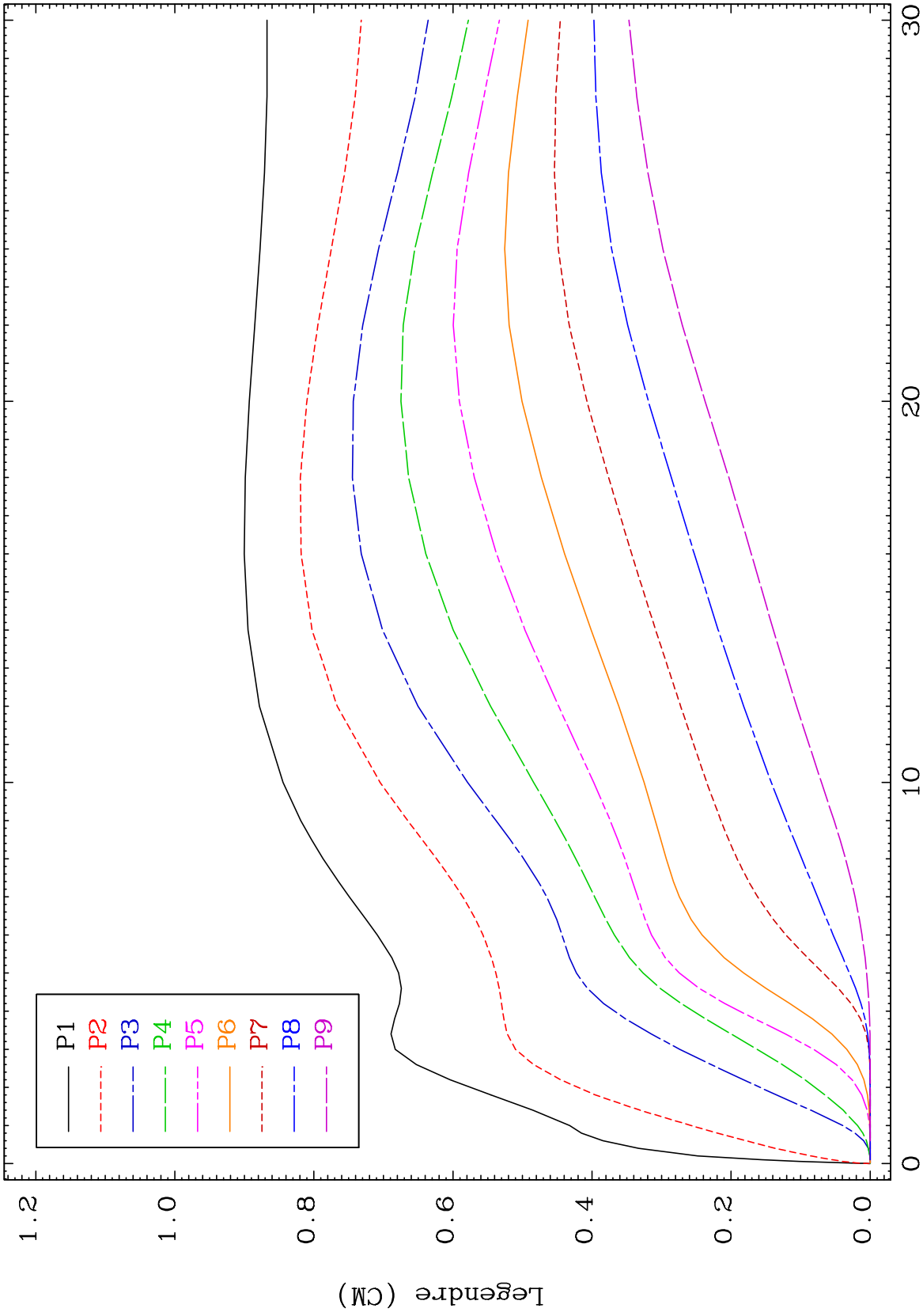
Incident Energy (MeV)

48-Cd-116

MAT 4855

Elastic Legendre Coefficients

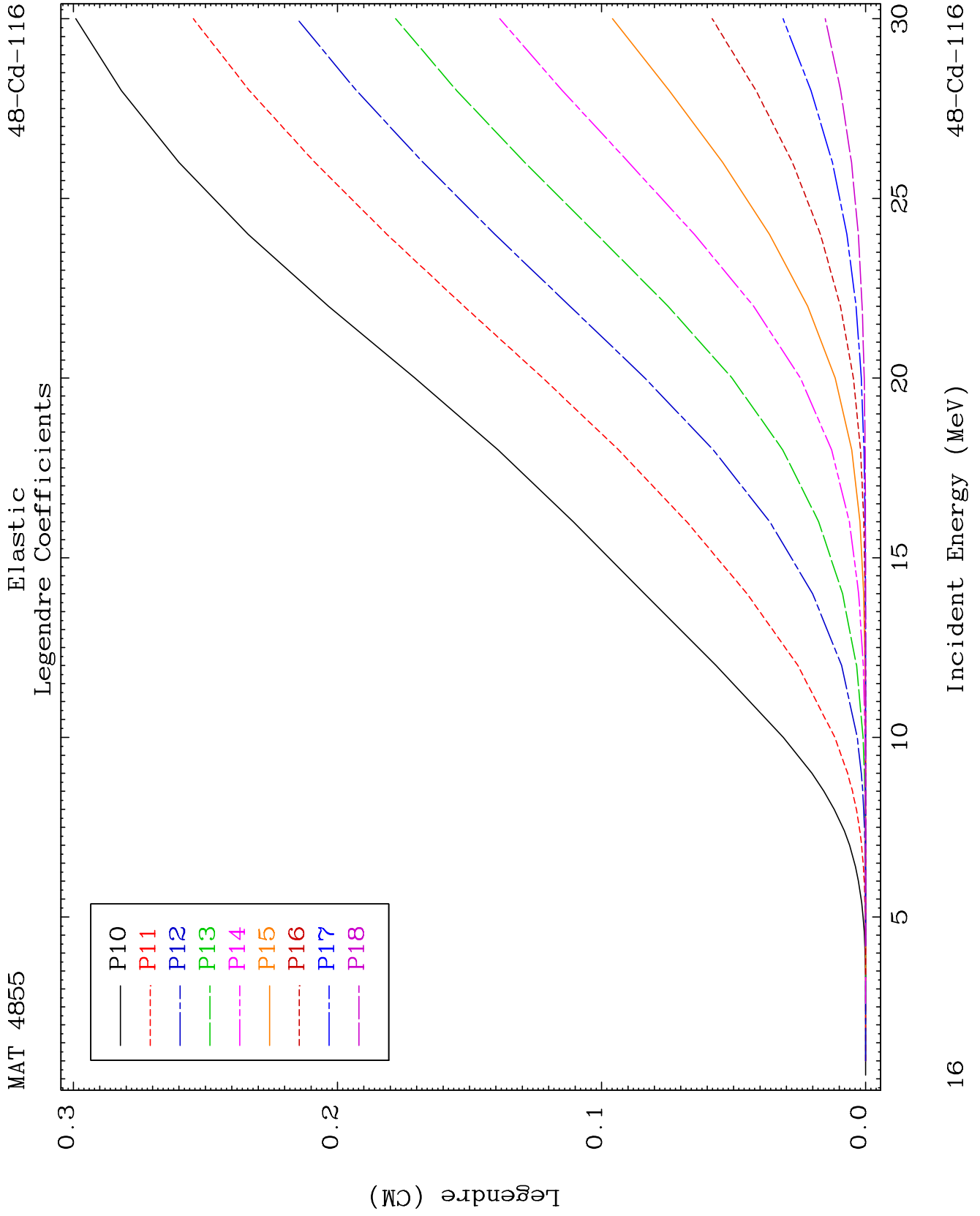
48-Cd-116



15

Incident Energy (MeV)

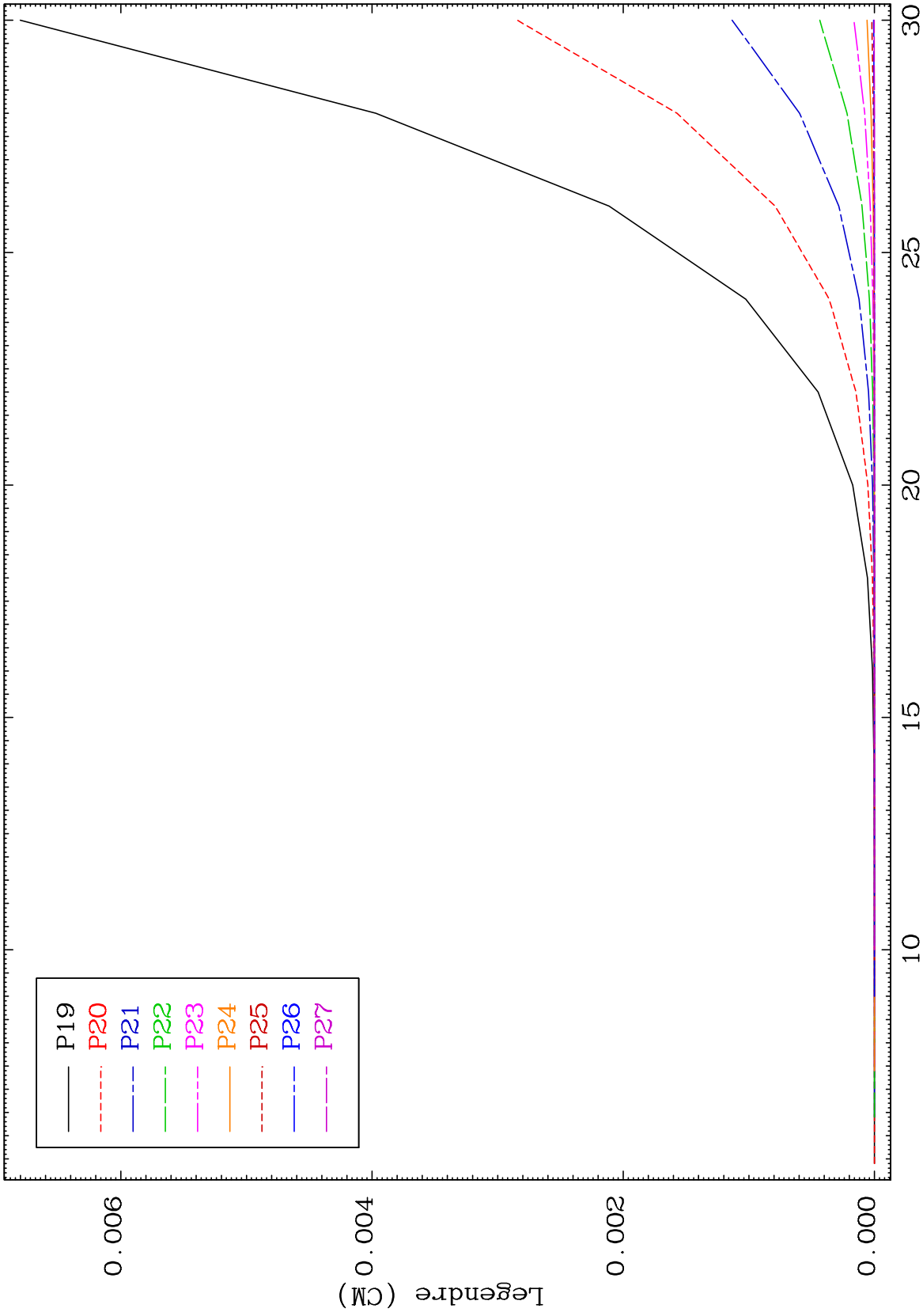
48-Cd-116



MAT 4855

### Elastic Legendre Coefficients

48-Cd-116



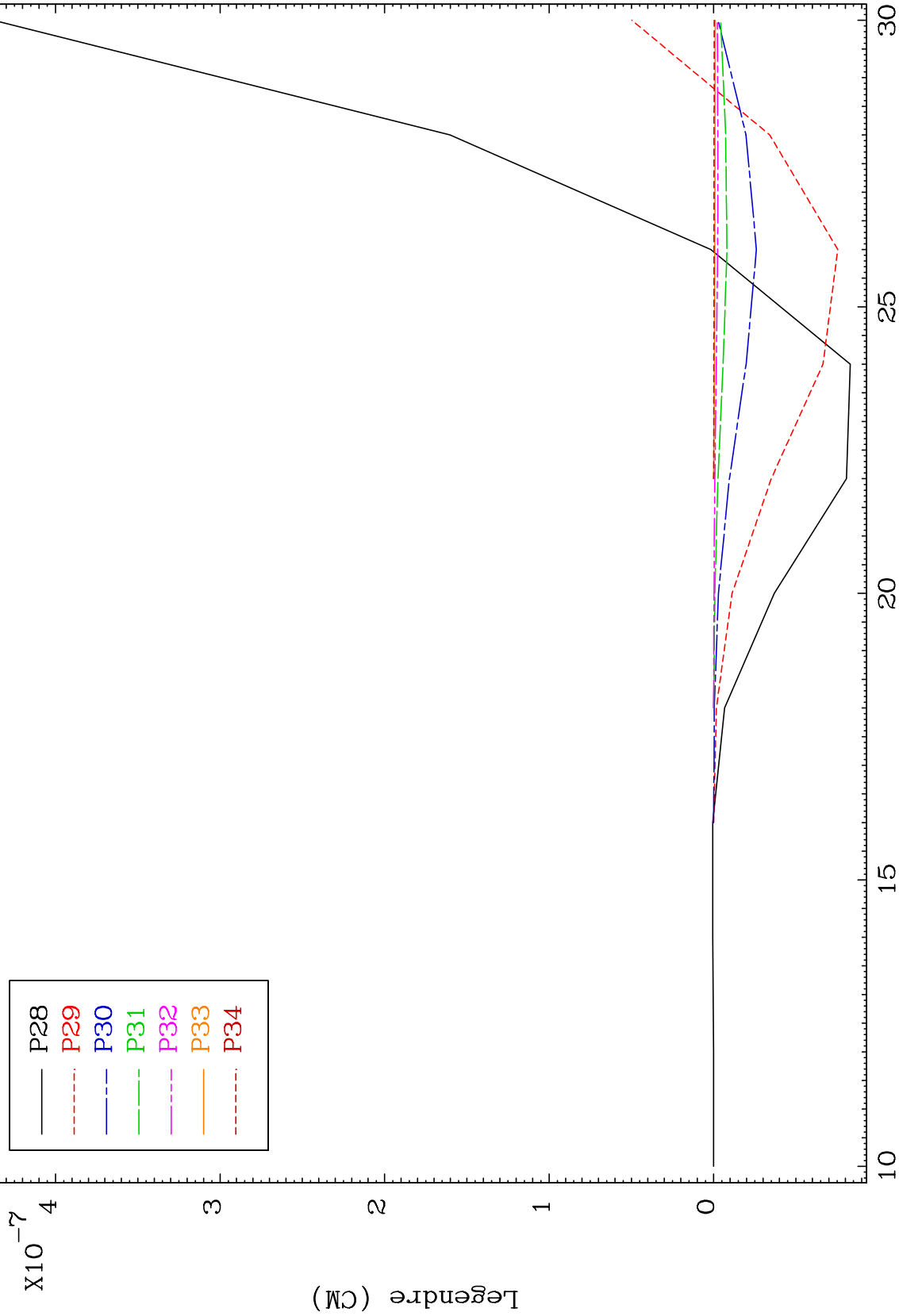
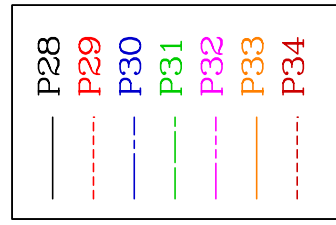
17

48-Cd-116

MAT 4855

Elastic Legendre Coefficients

48-Cd-116



18

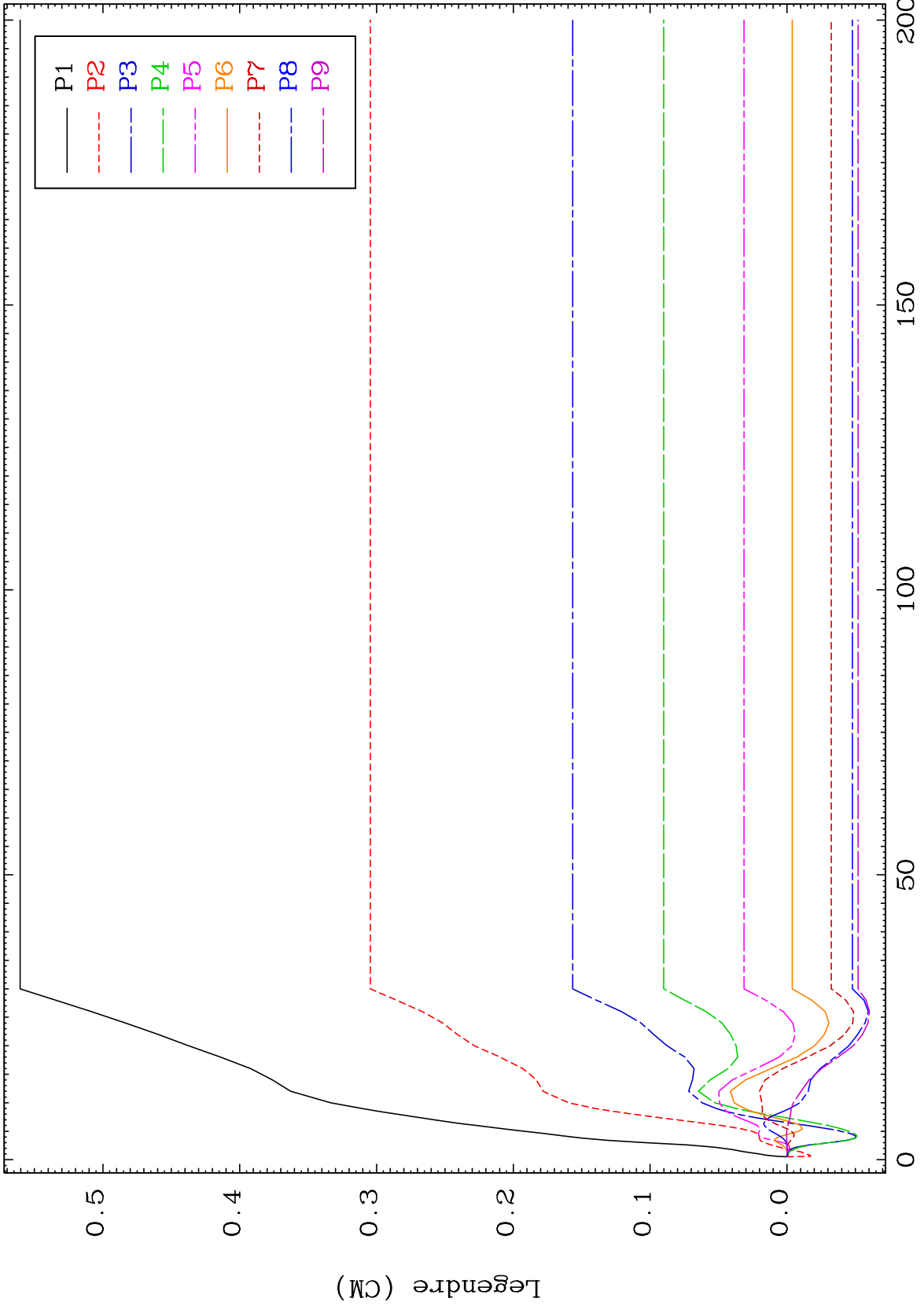
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



19

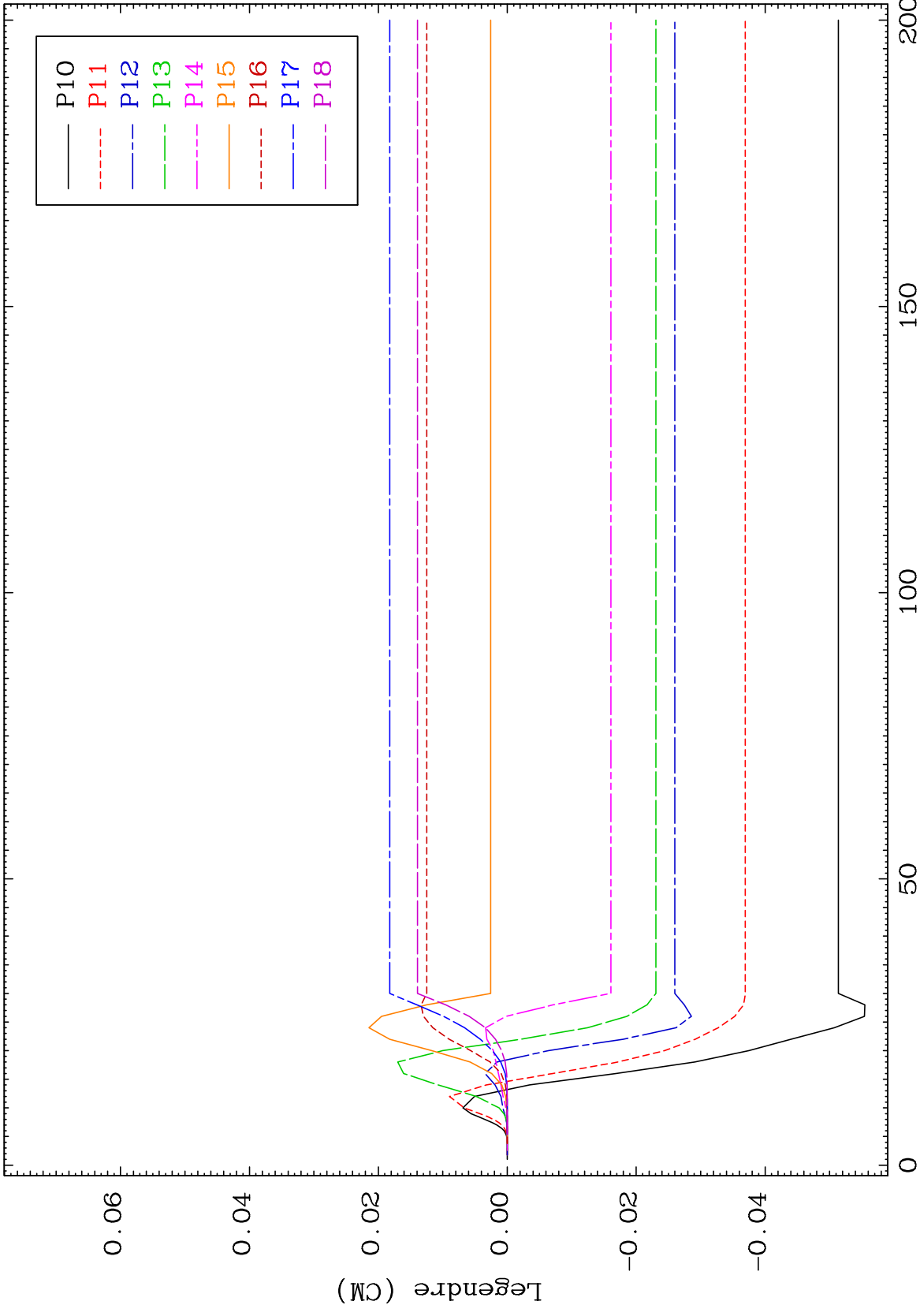
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



0

50

100

150

200

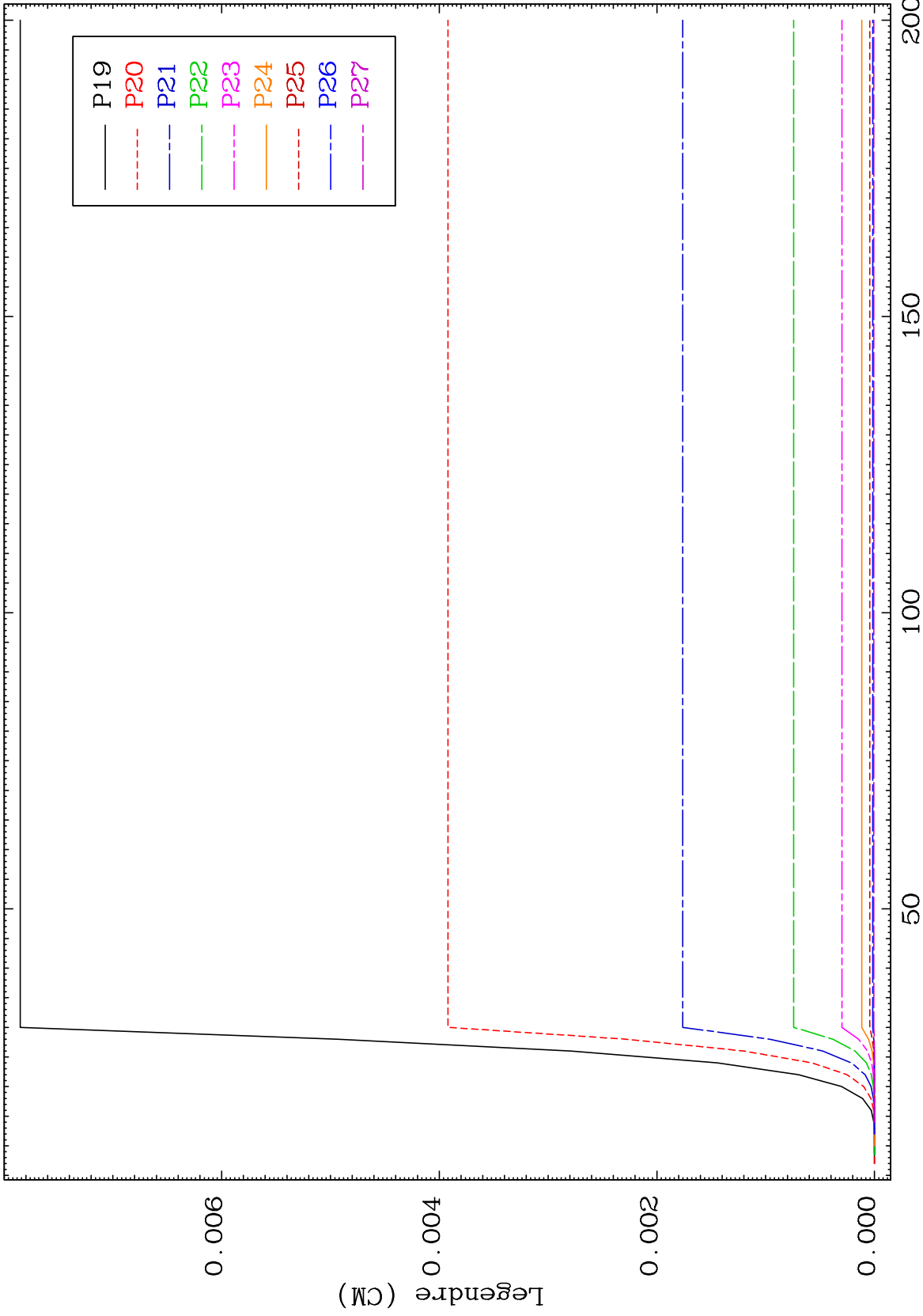
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



21

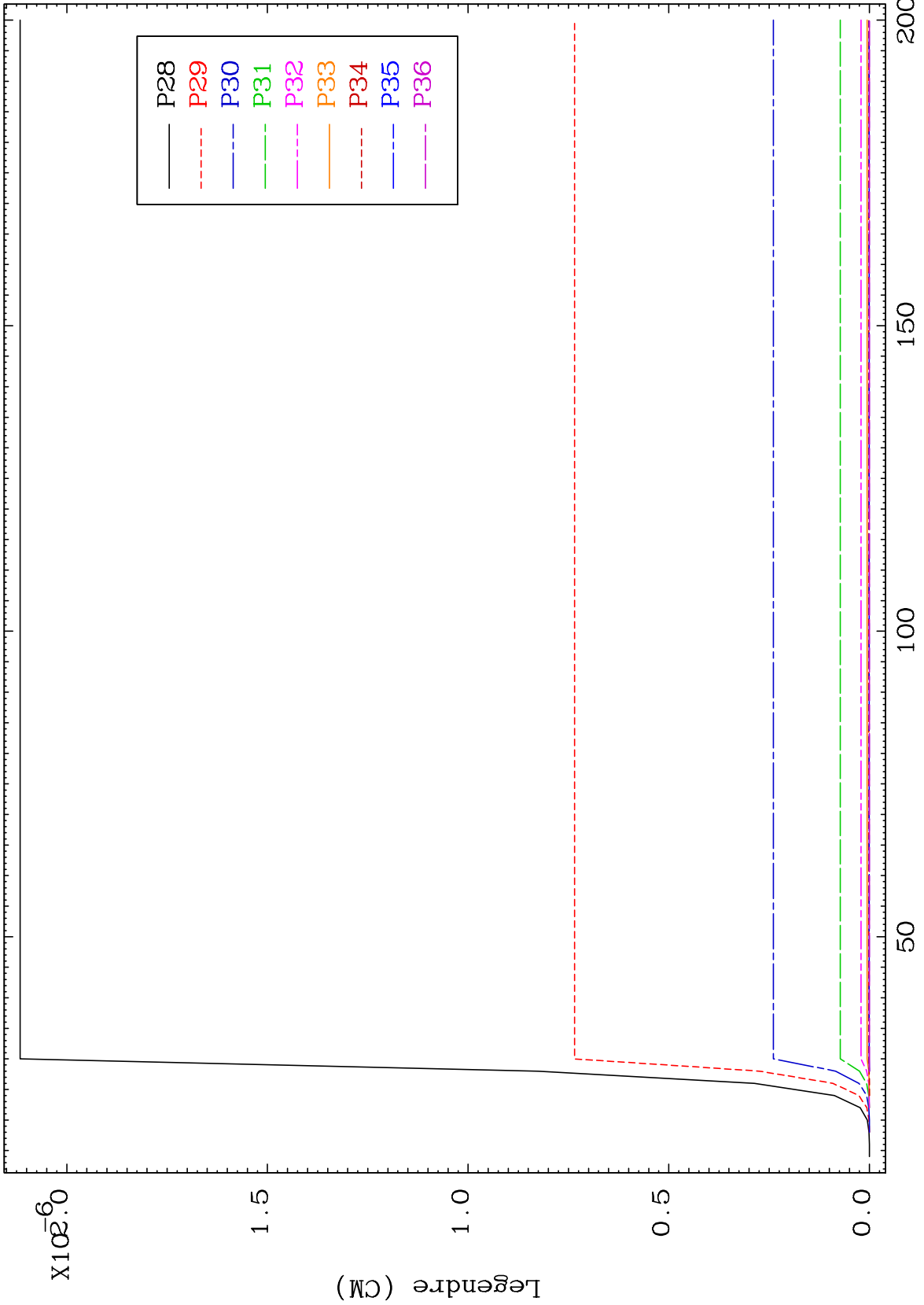
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



22

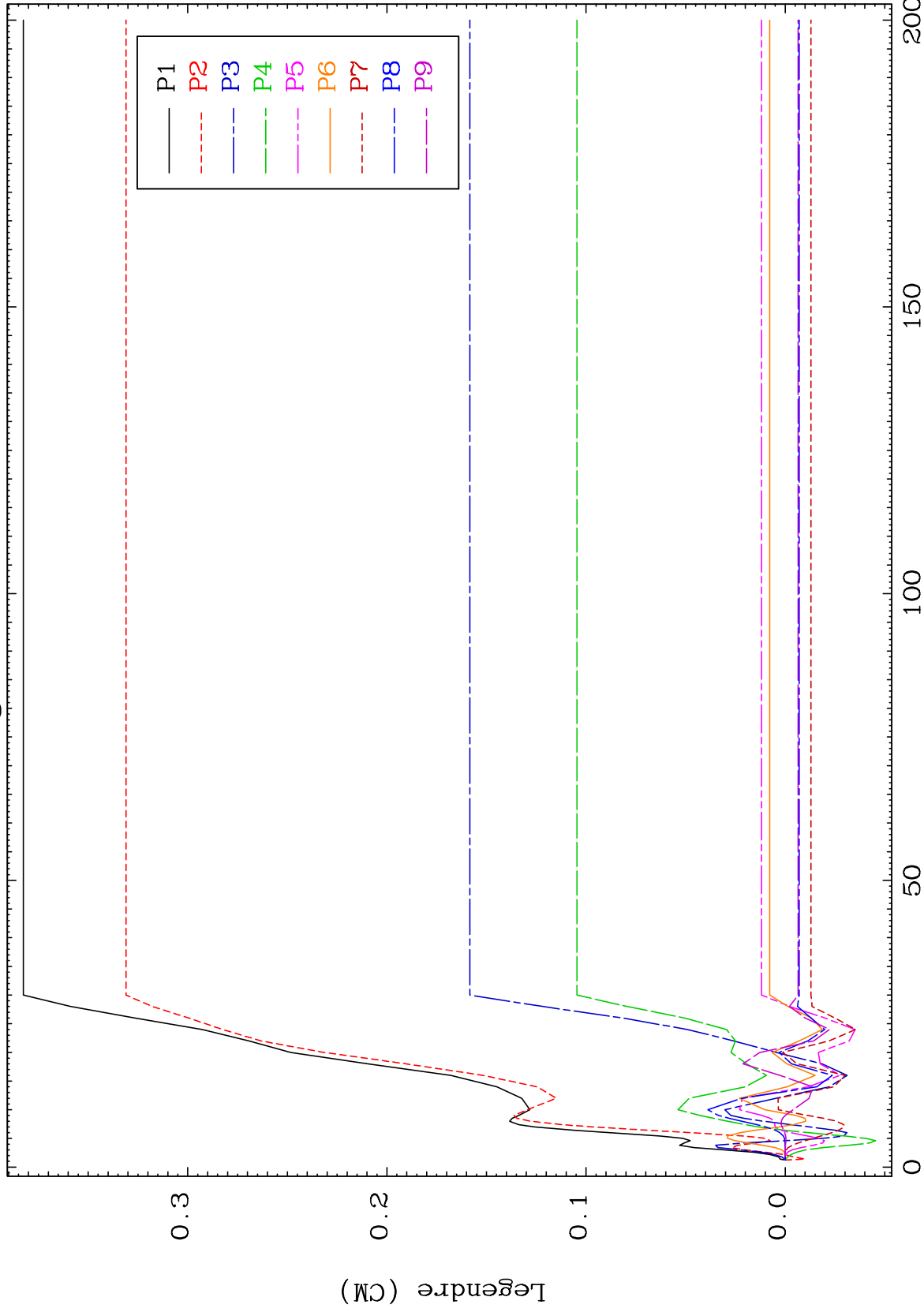
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



23

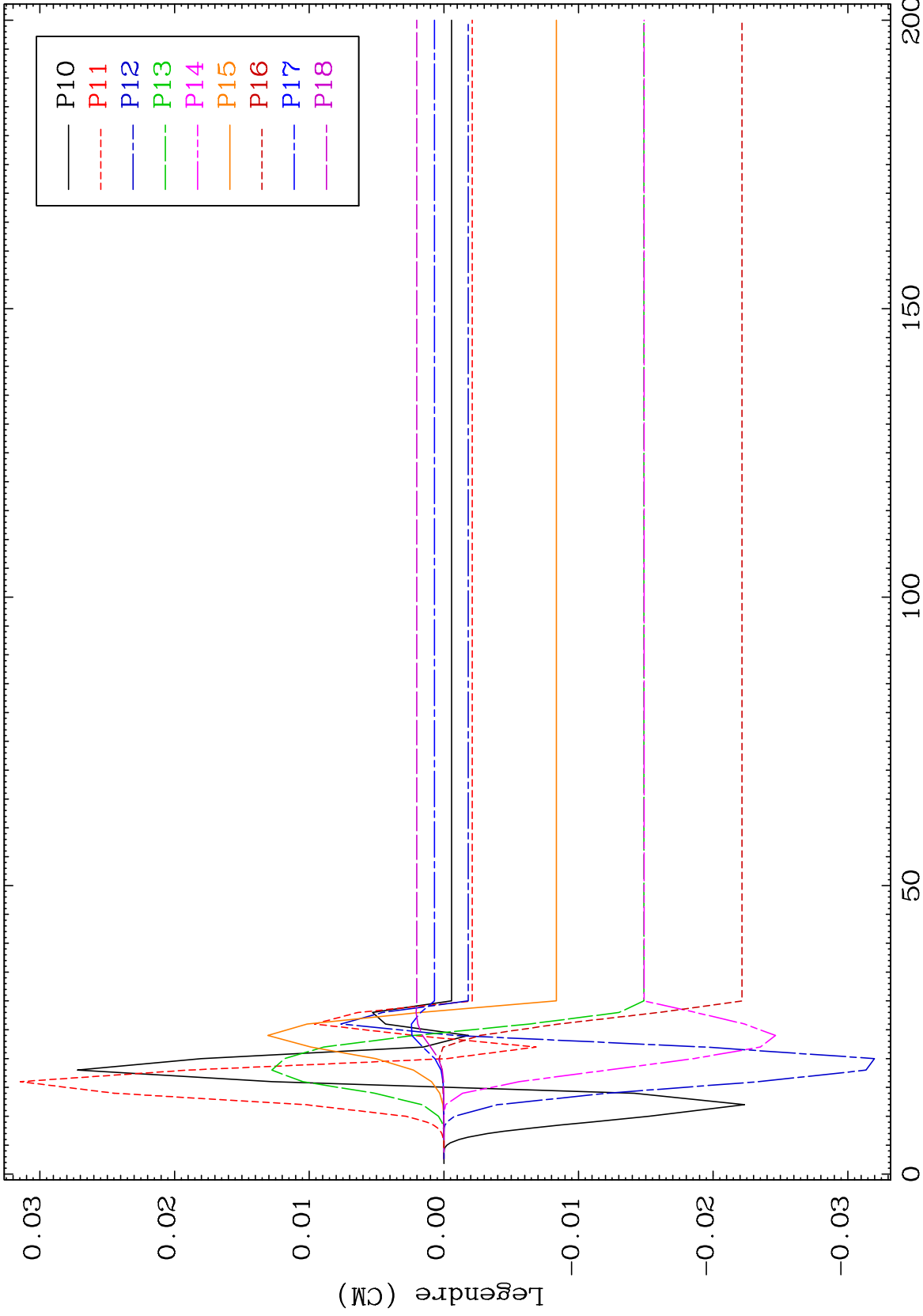
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



24

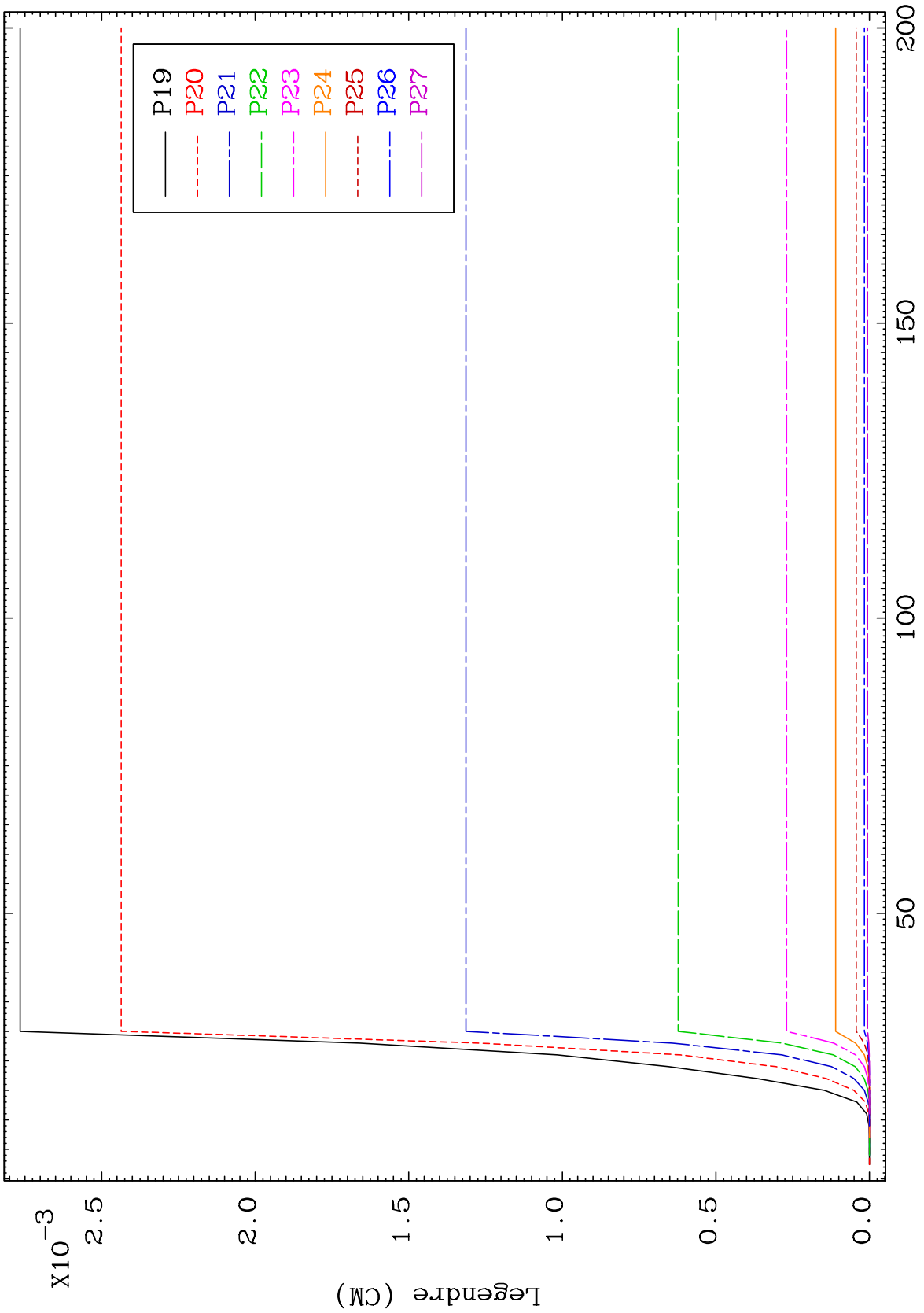
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



25

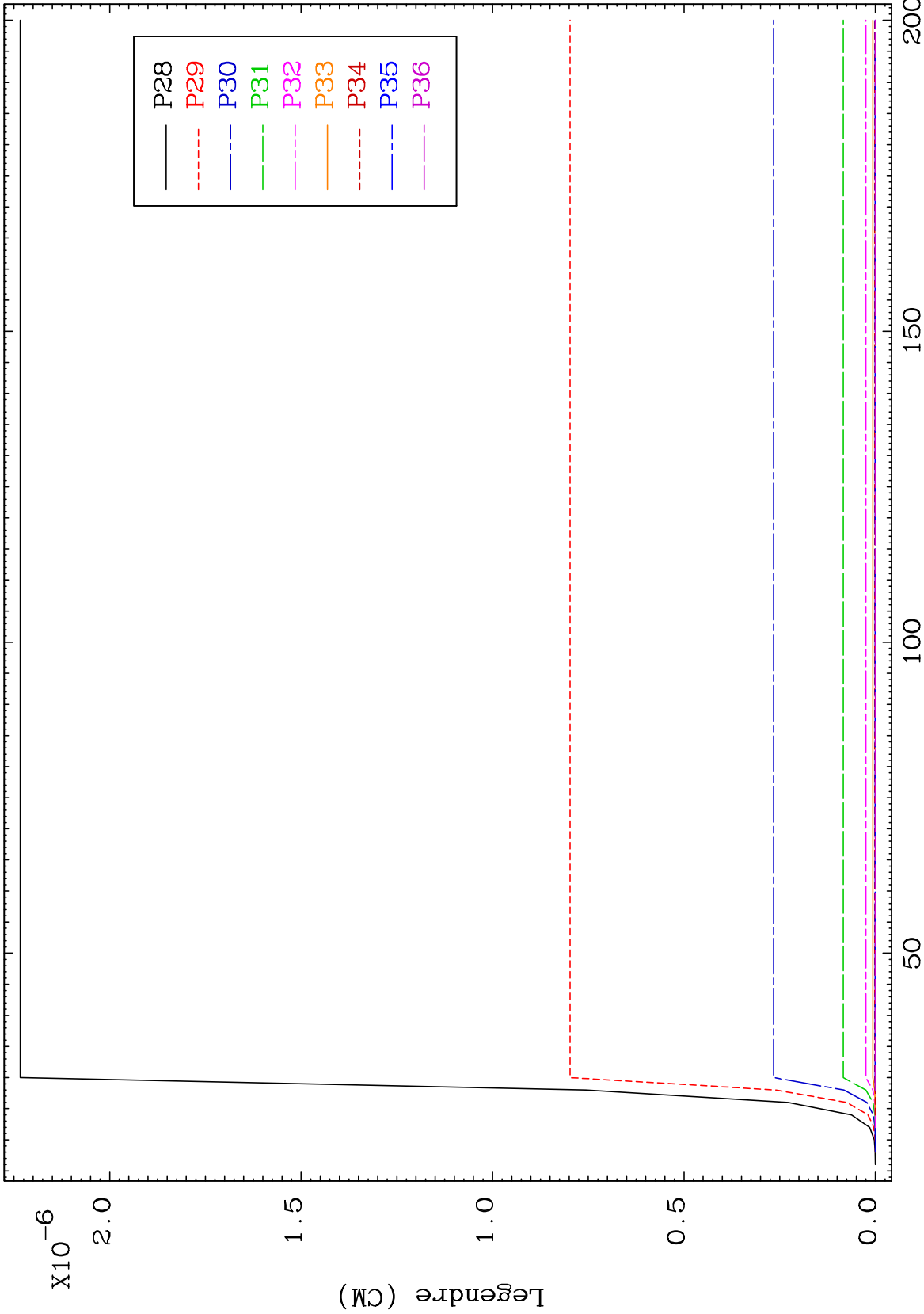
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



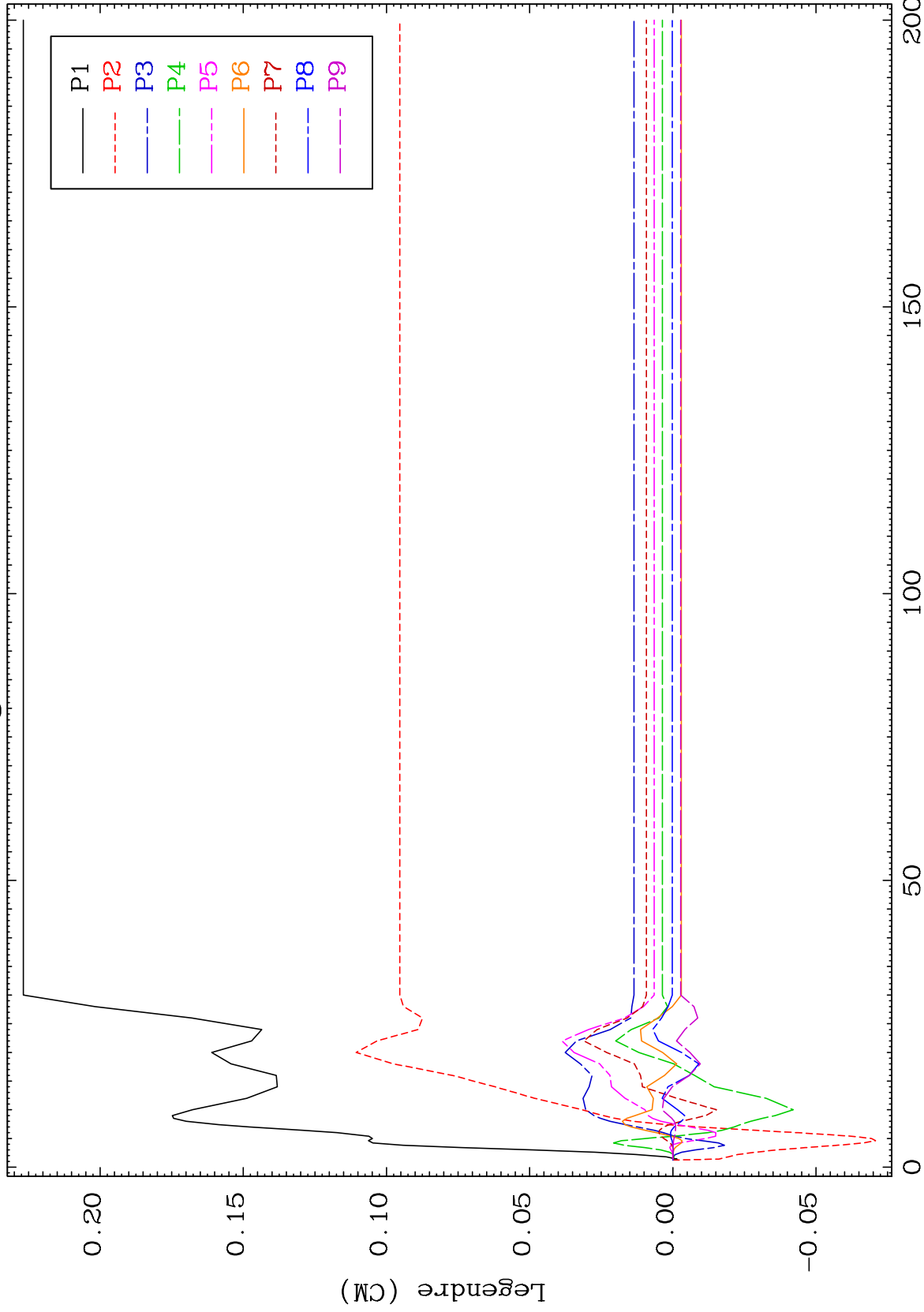
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48-Cd-116

MAT 4855

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

48-Cd-116



27

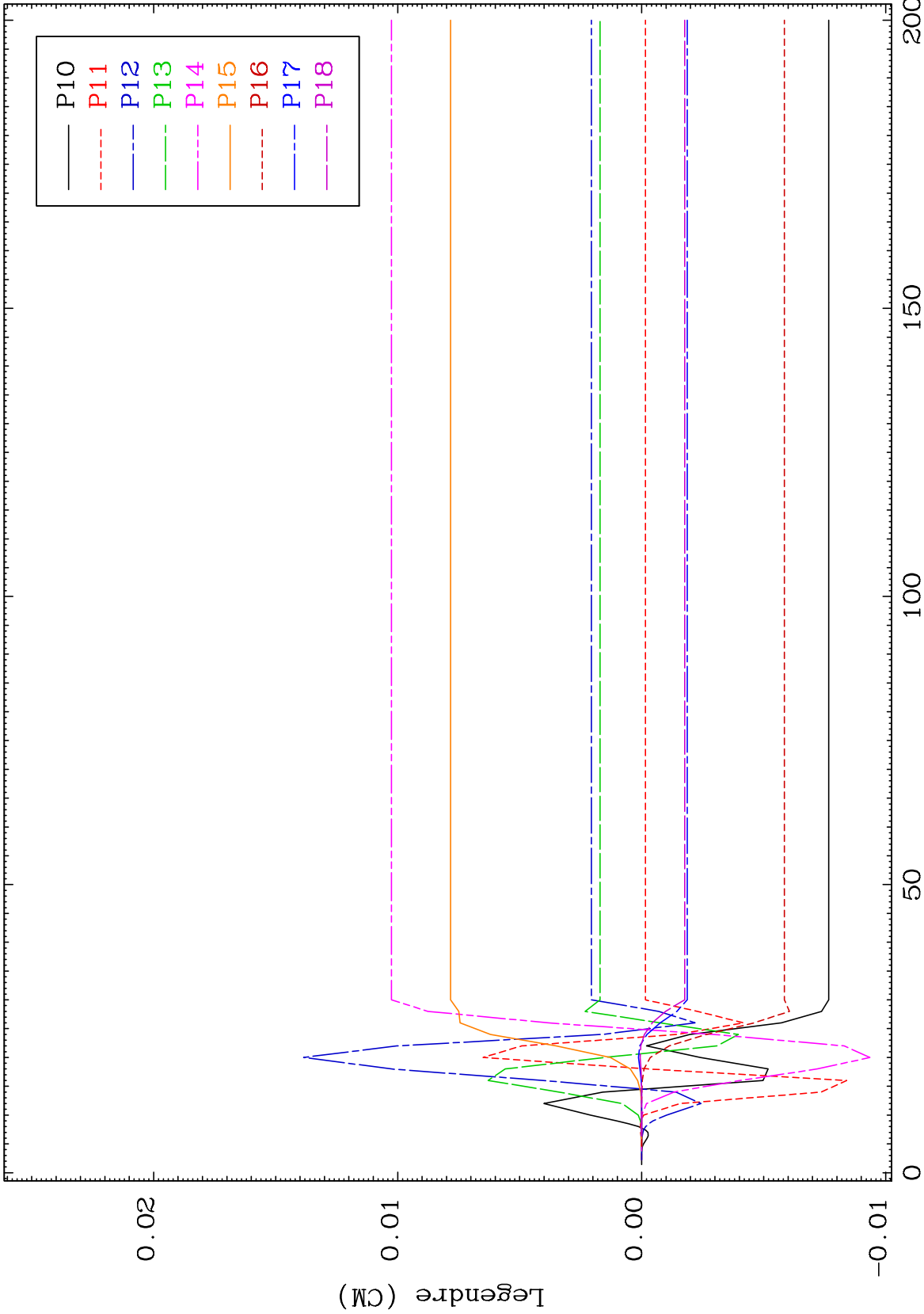
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



28

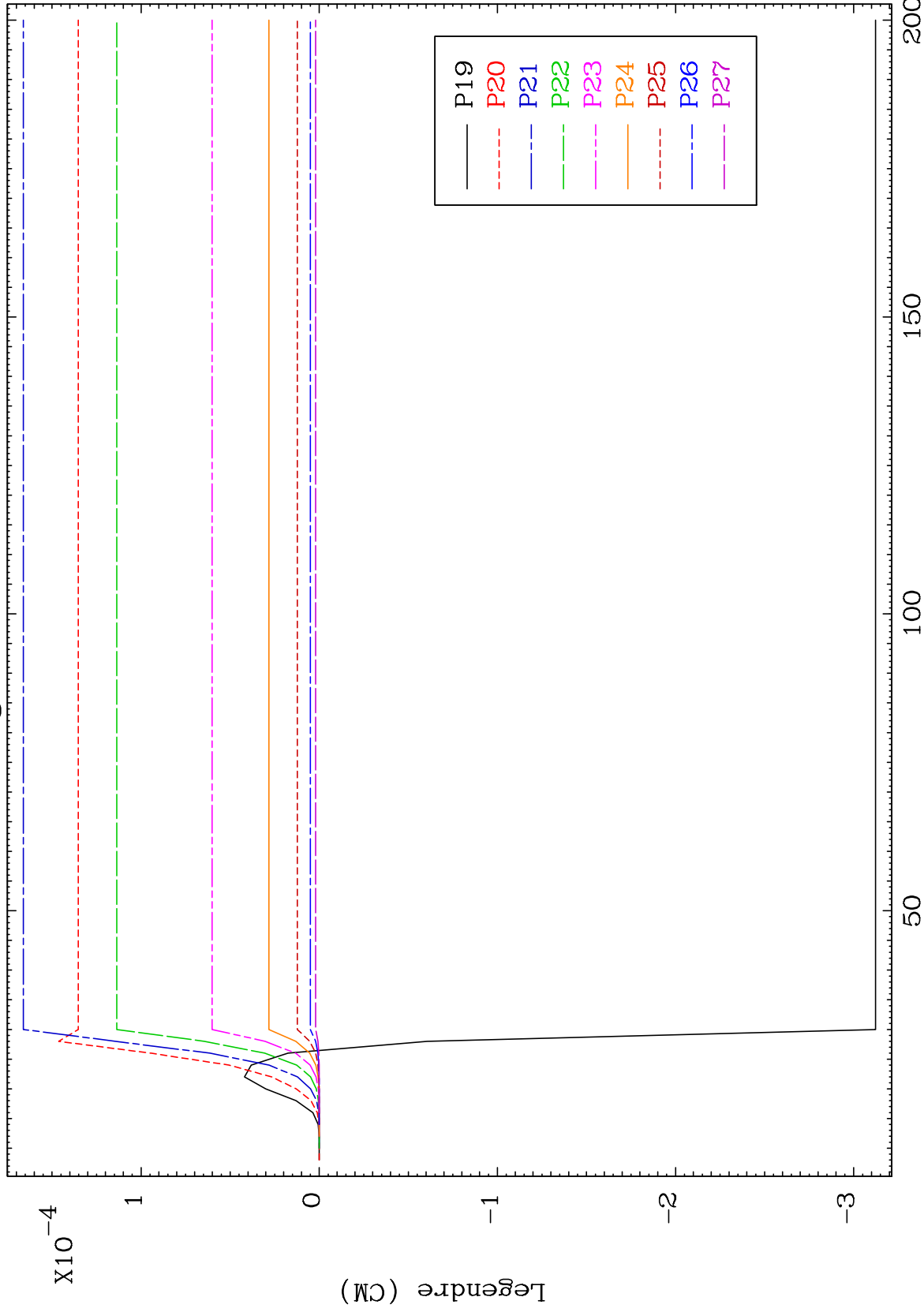
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



29

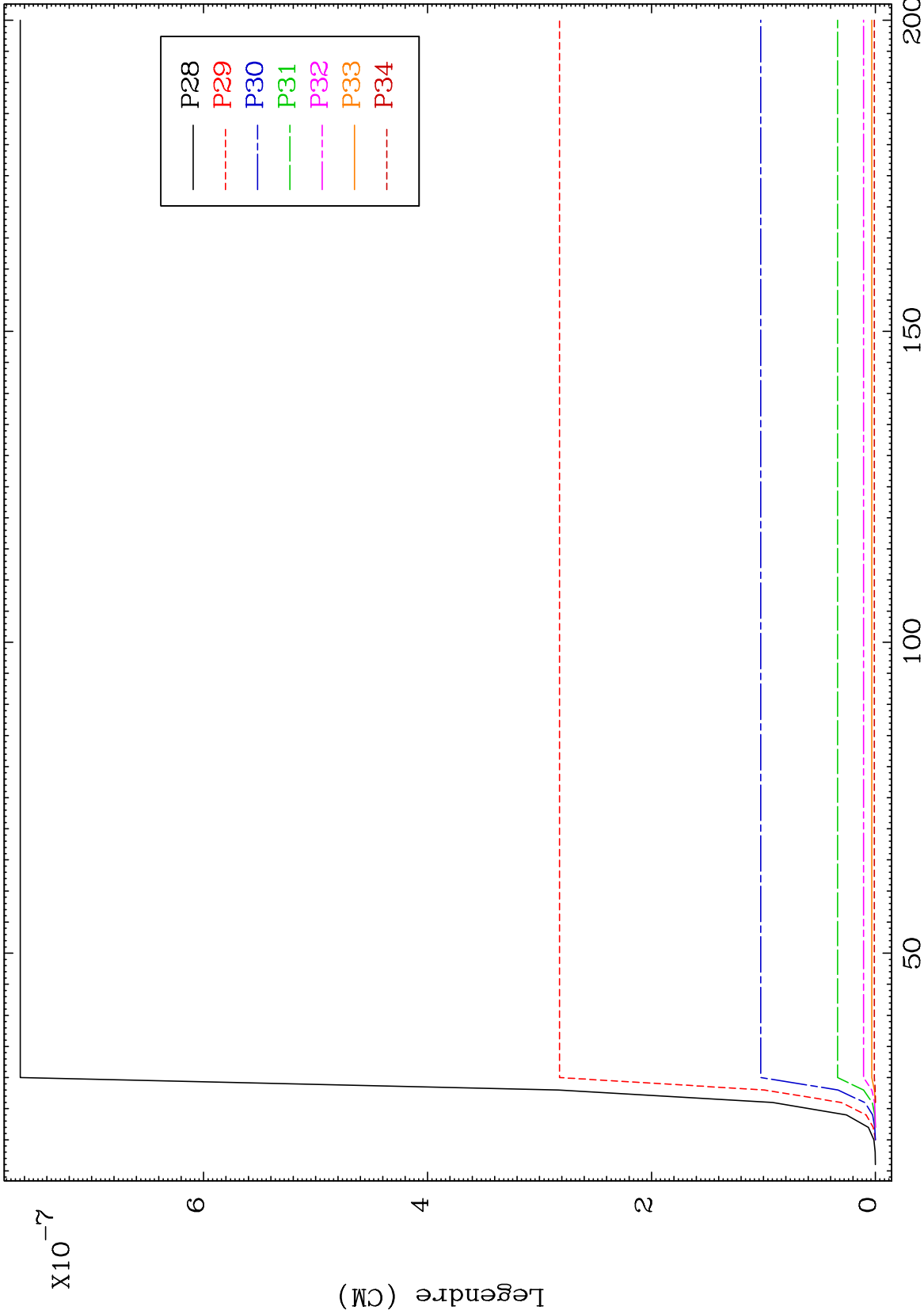
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



30

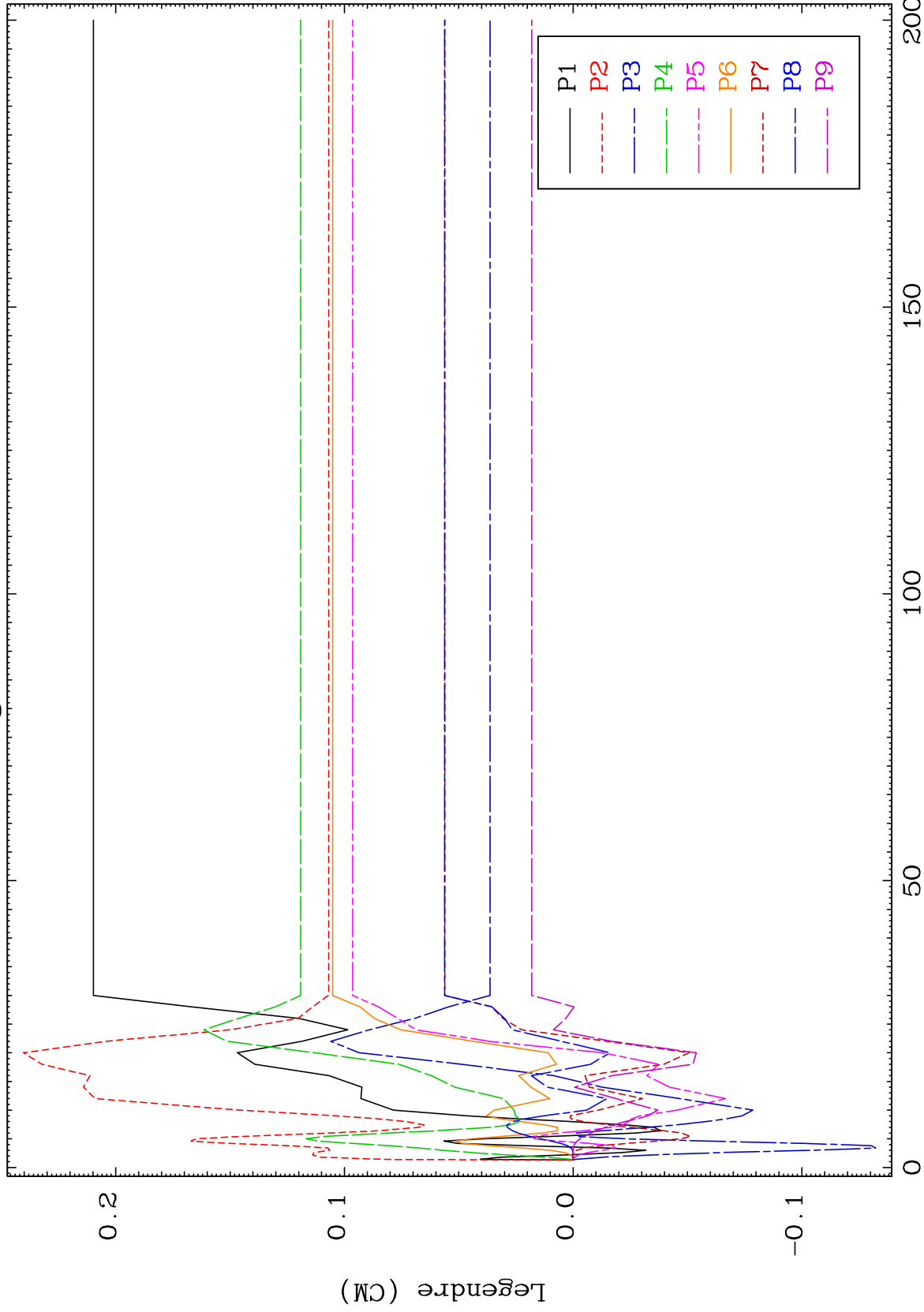
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



31

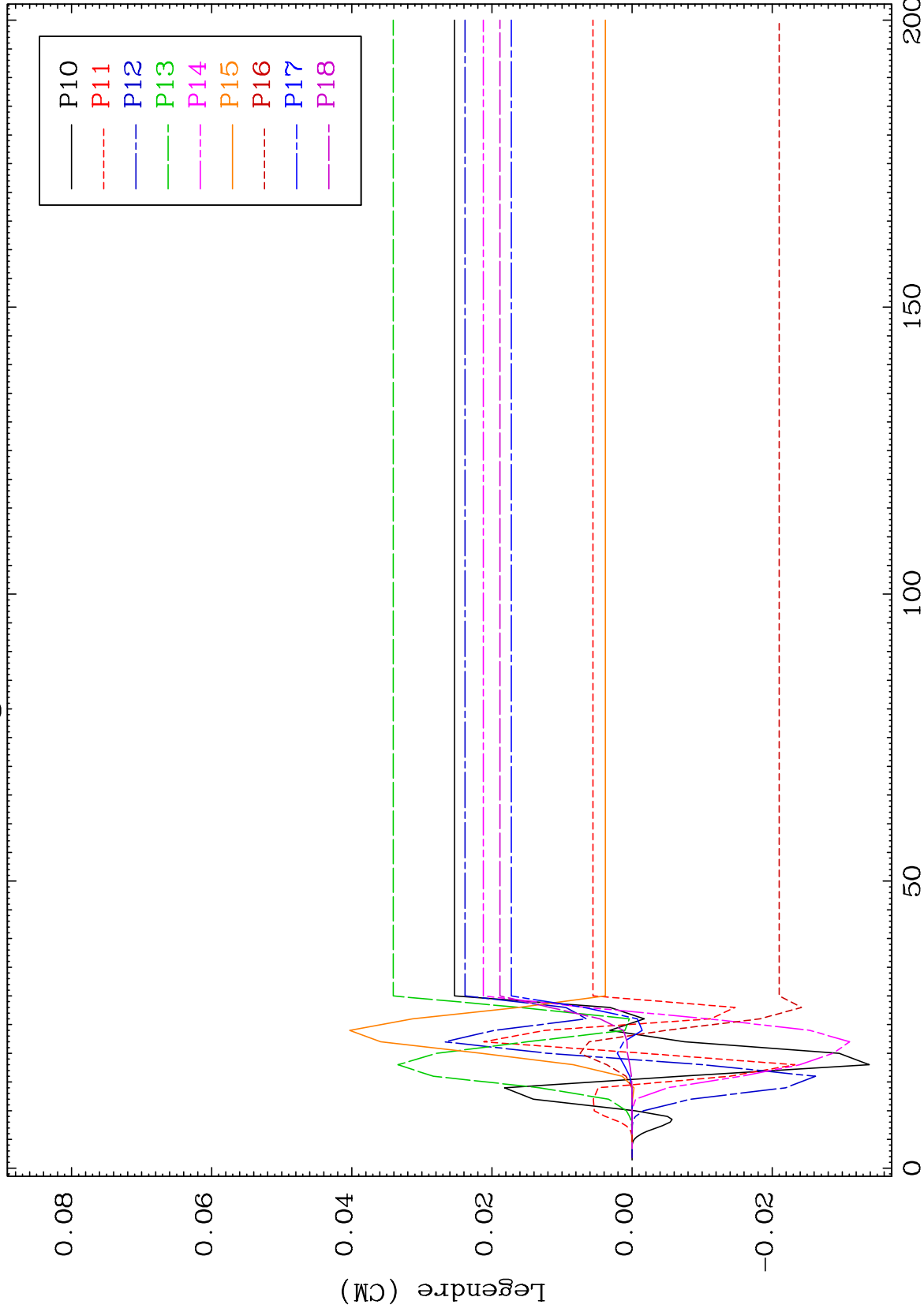
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



32

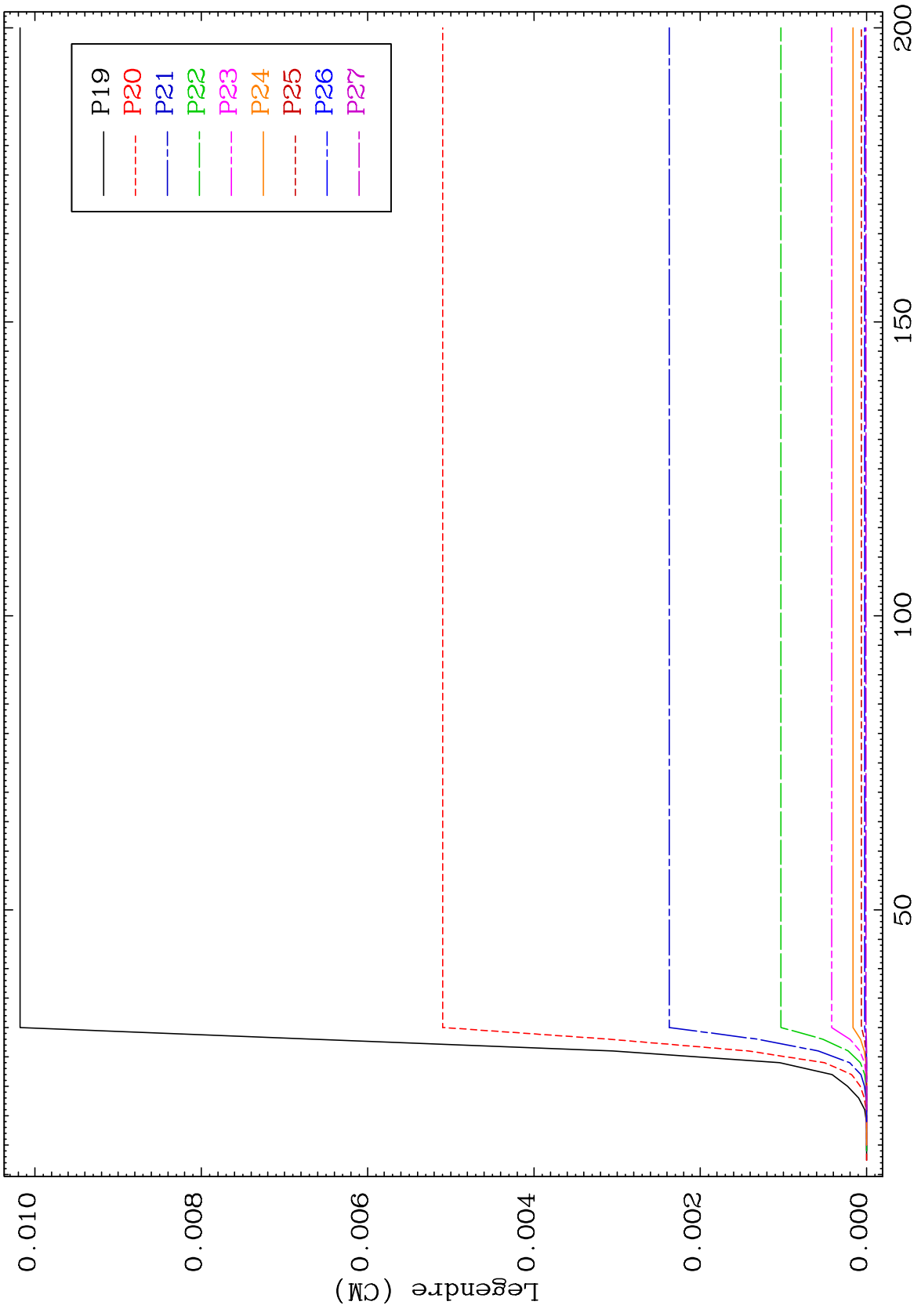
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



33

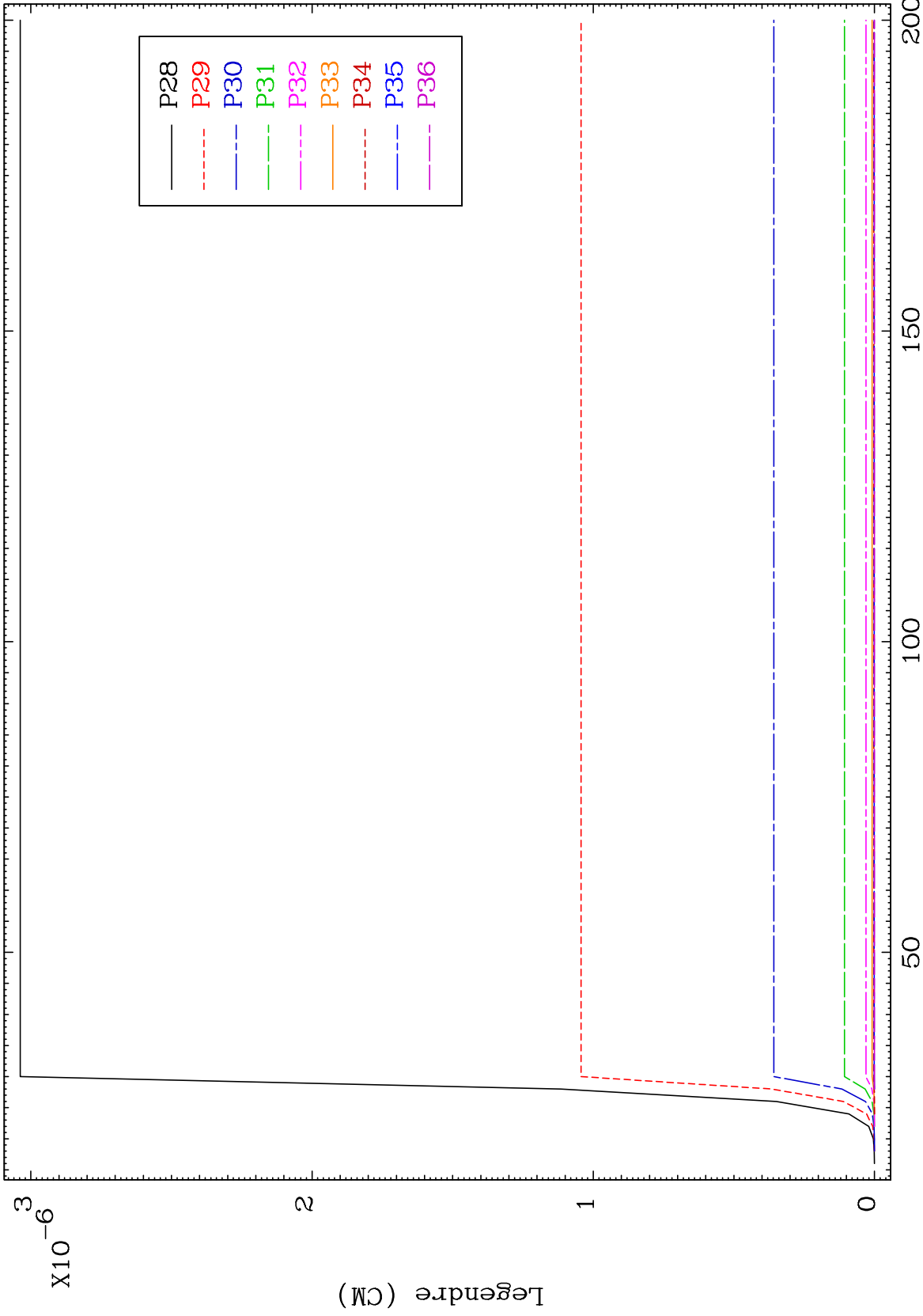
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



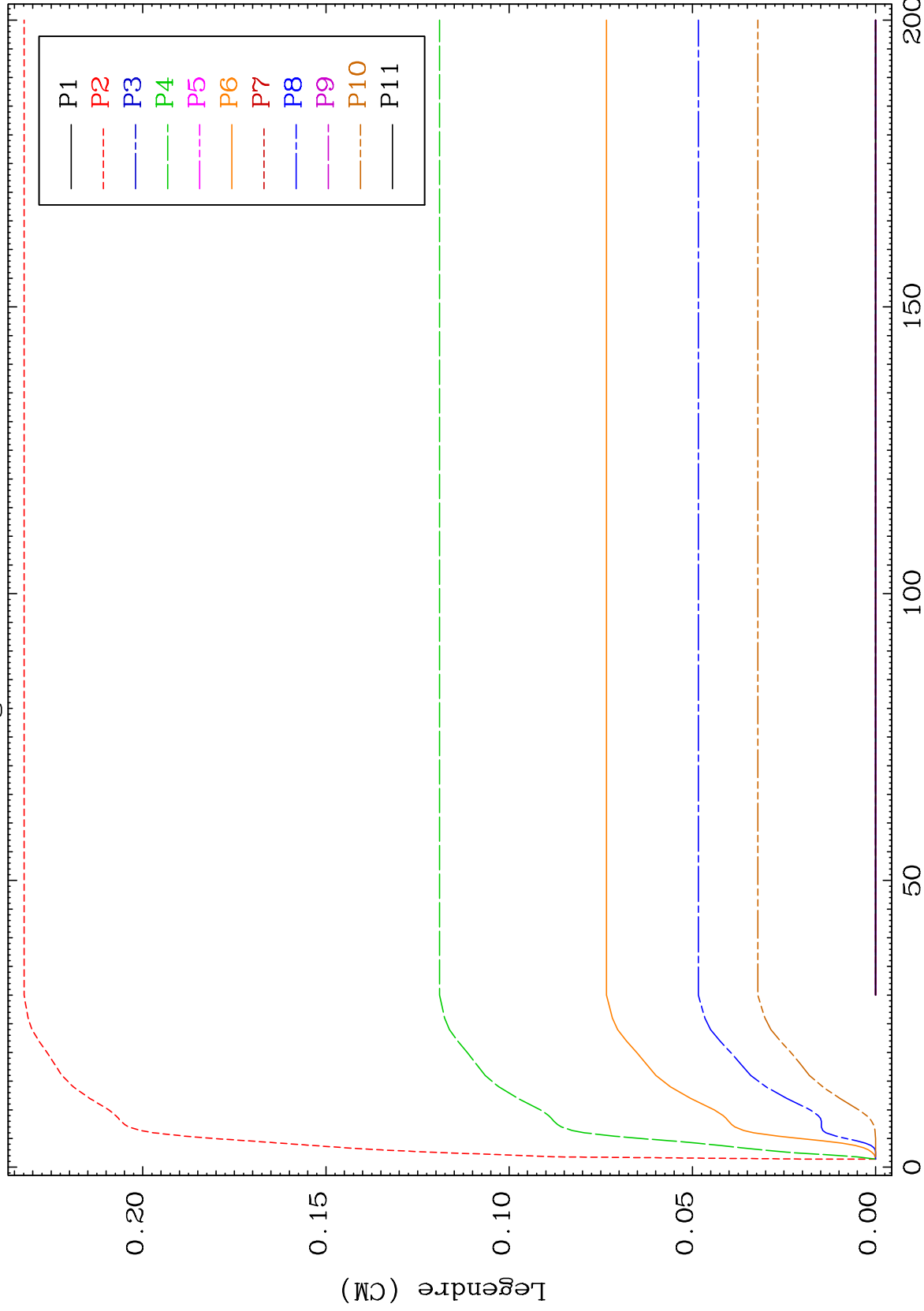
34

48-Cd-116

MAT 4855

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

48-Cd-116



35

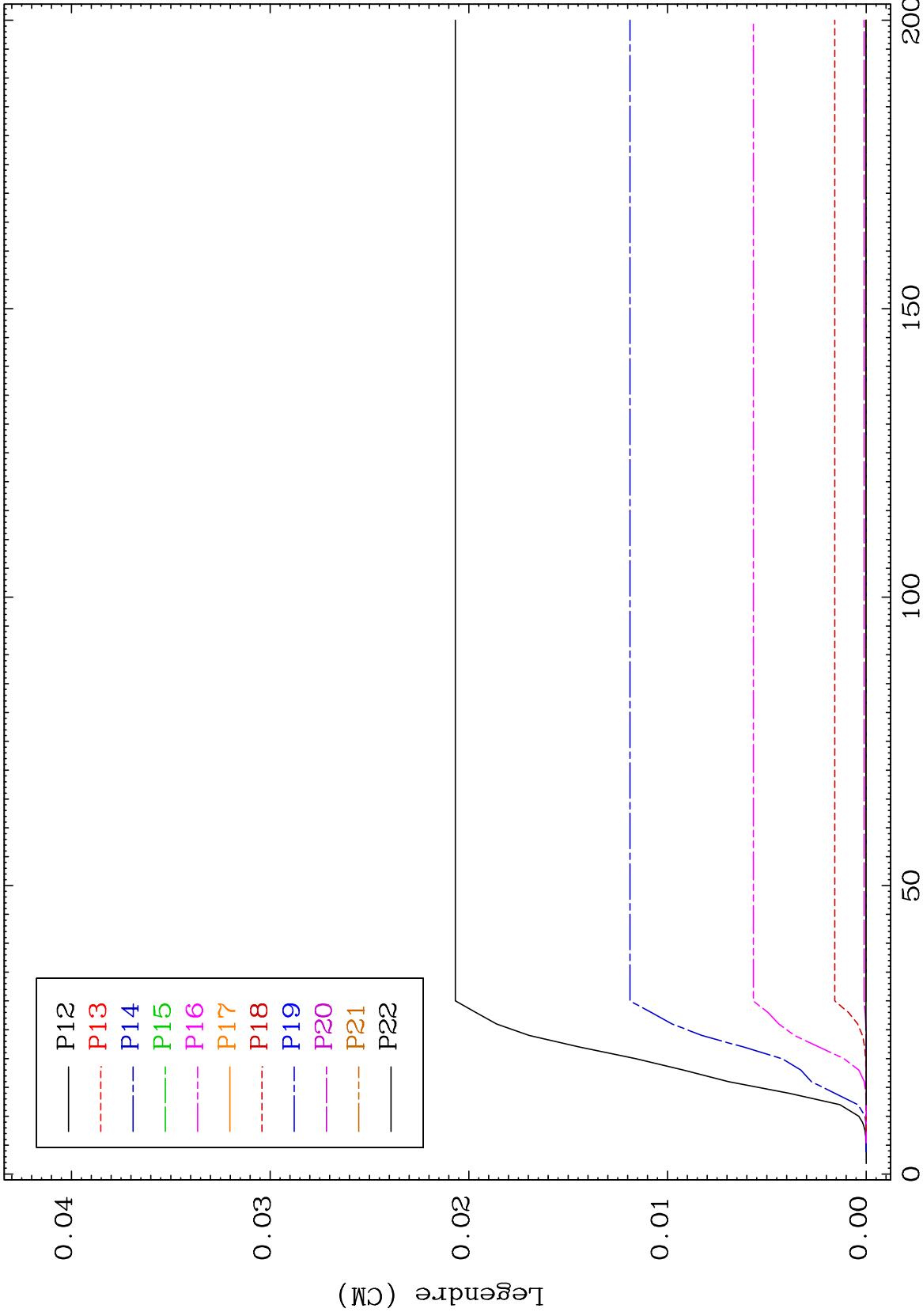
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



36

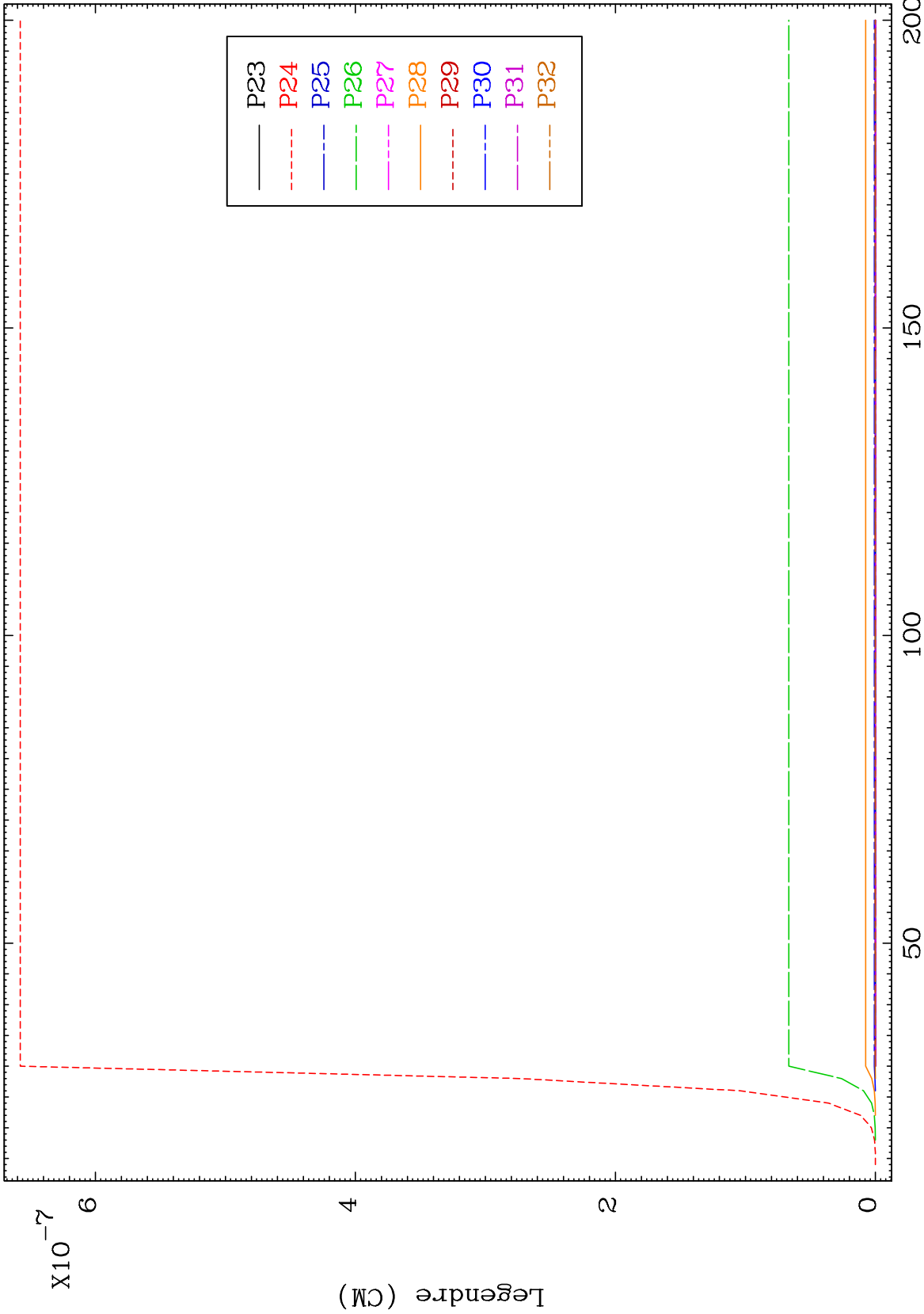
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



37

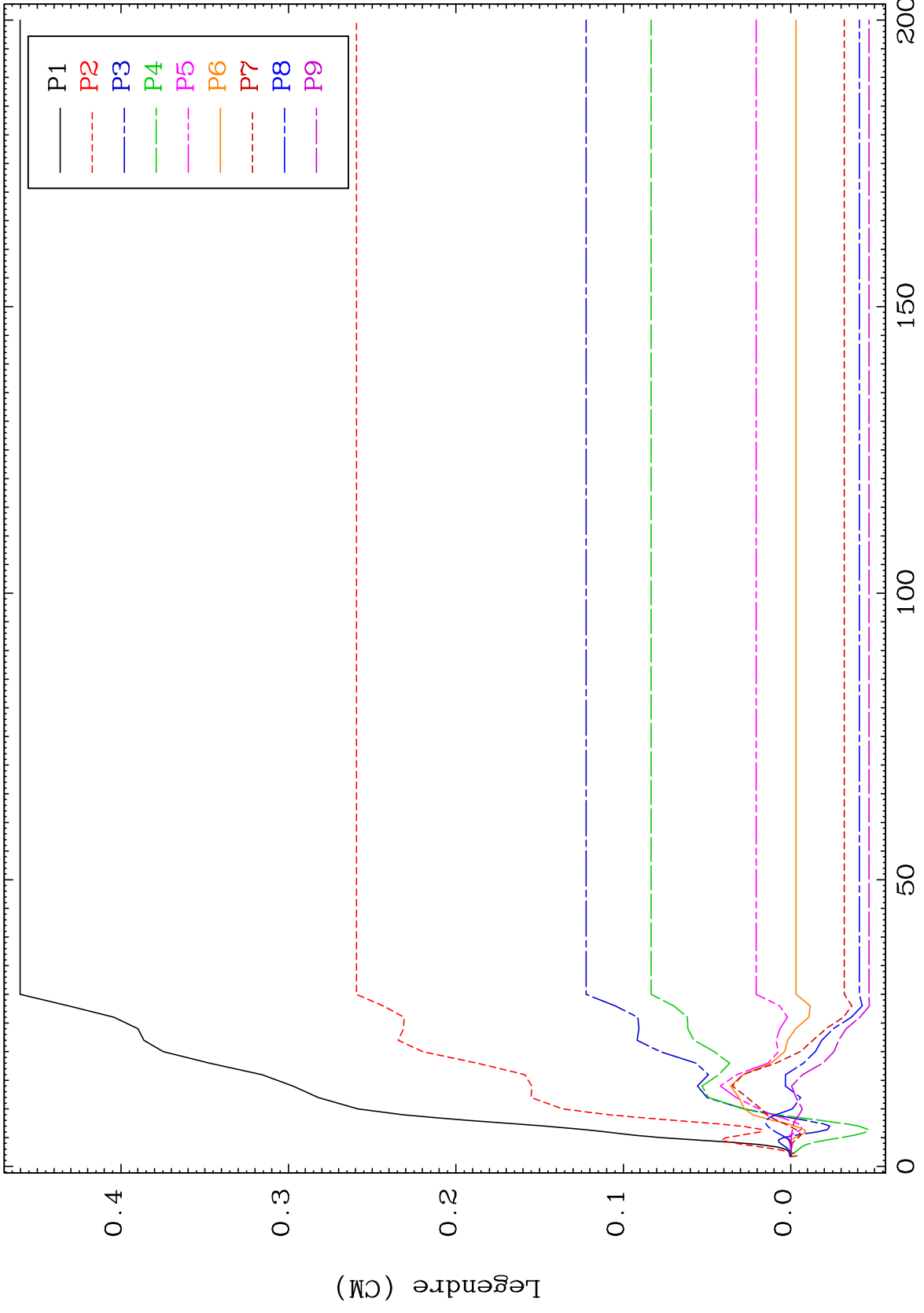
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



38

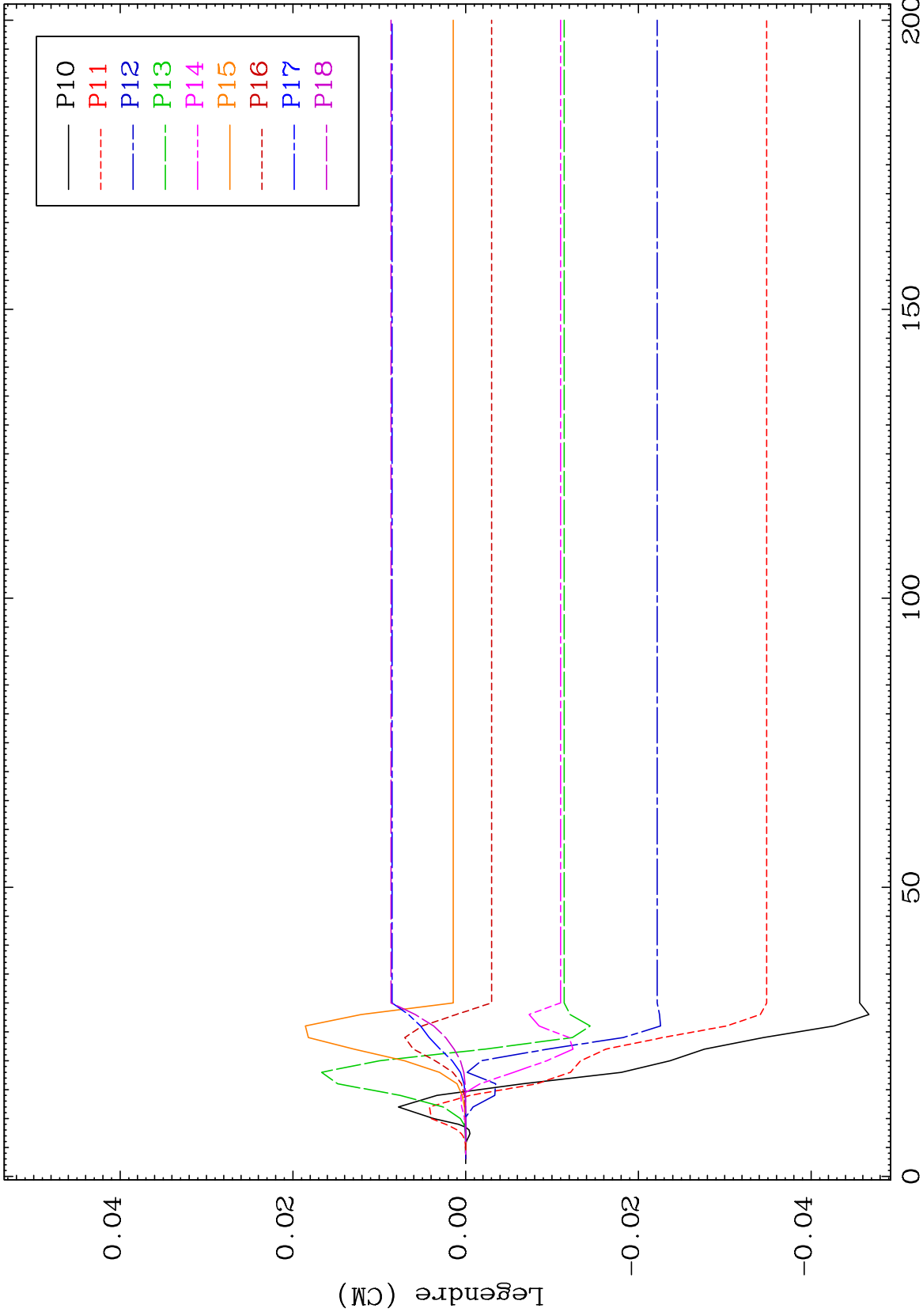
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



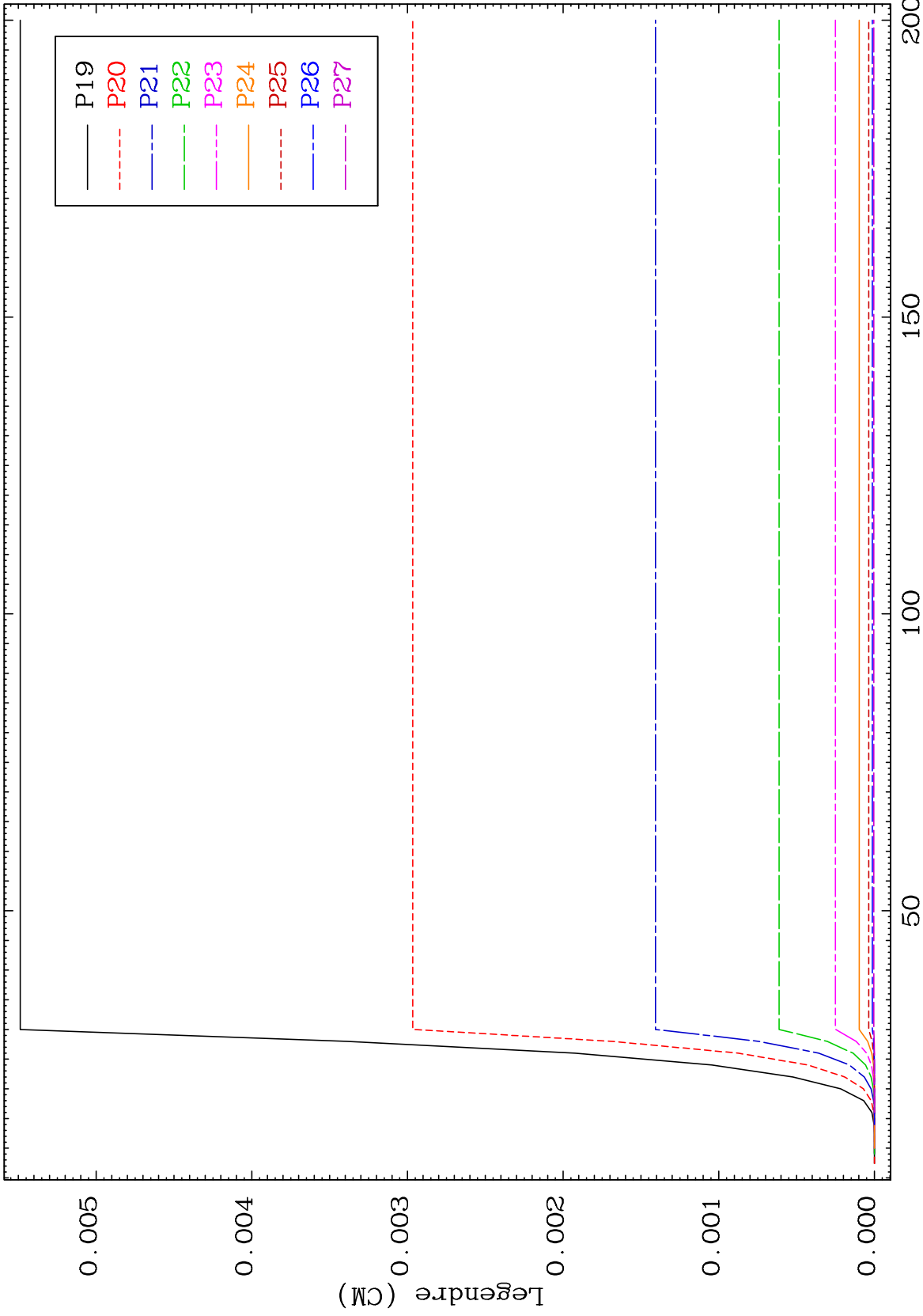
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48-Cd-116

MAT 4855

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

48-Cd-116



40

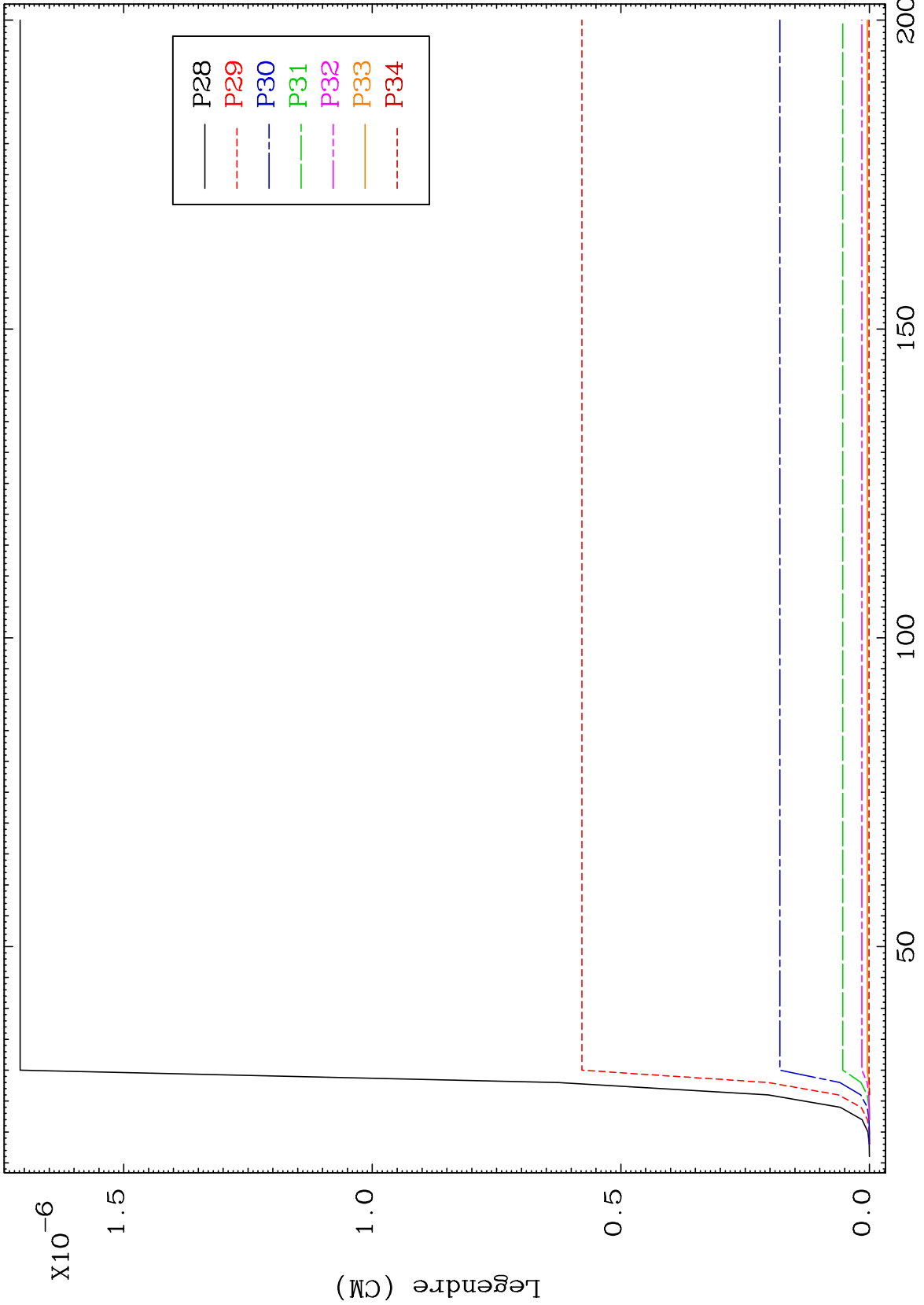
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



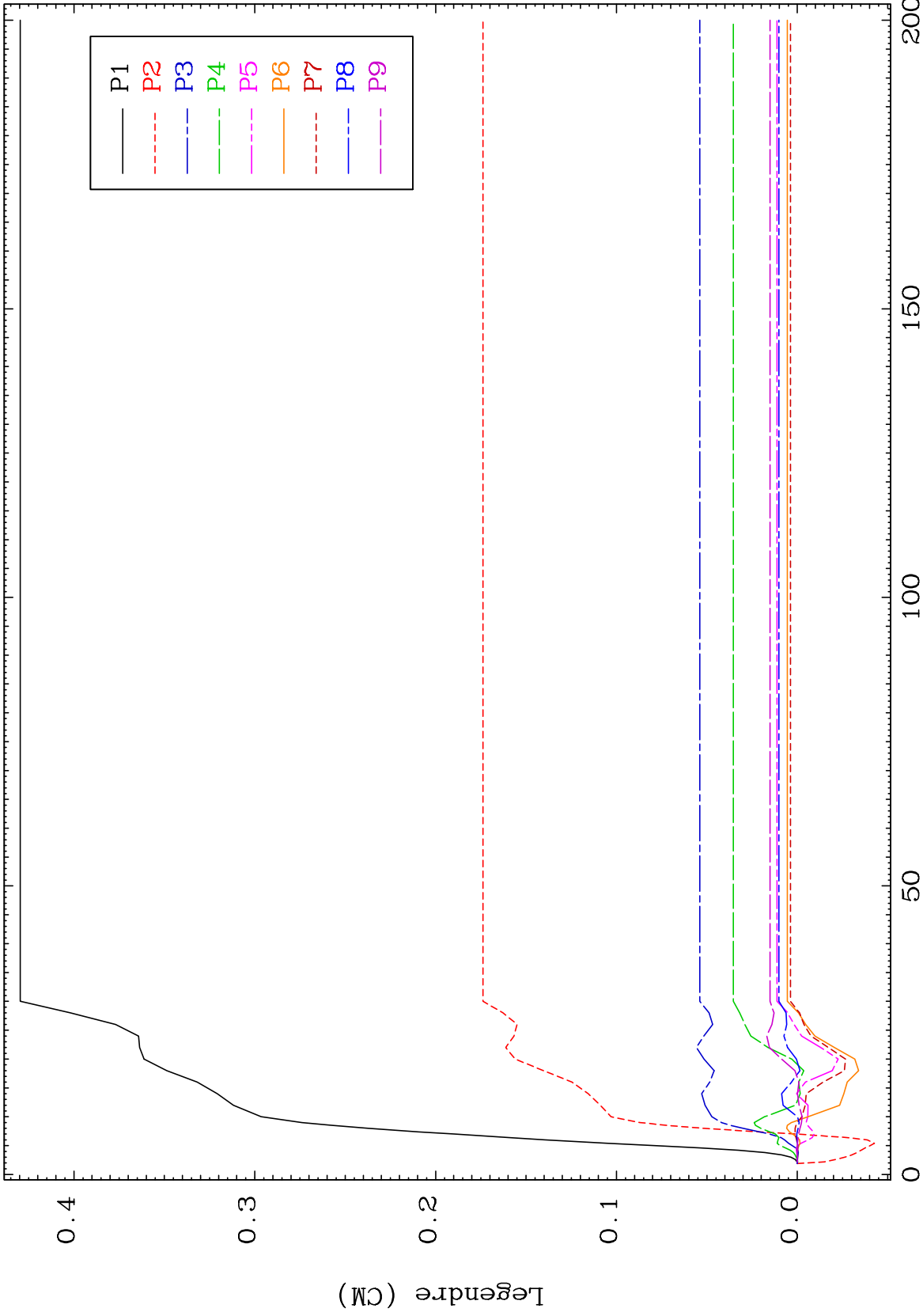
41

48-Cd-116

MAT 4855

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

48-Cd-116



42

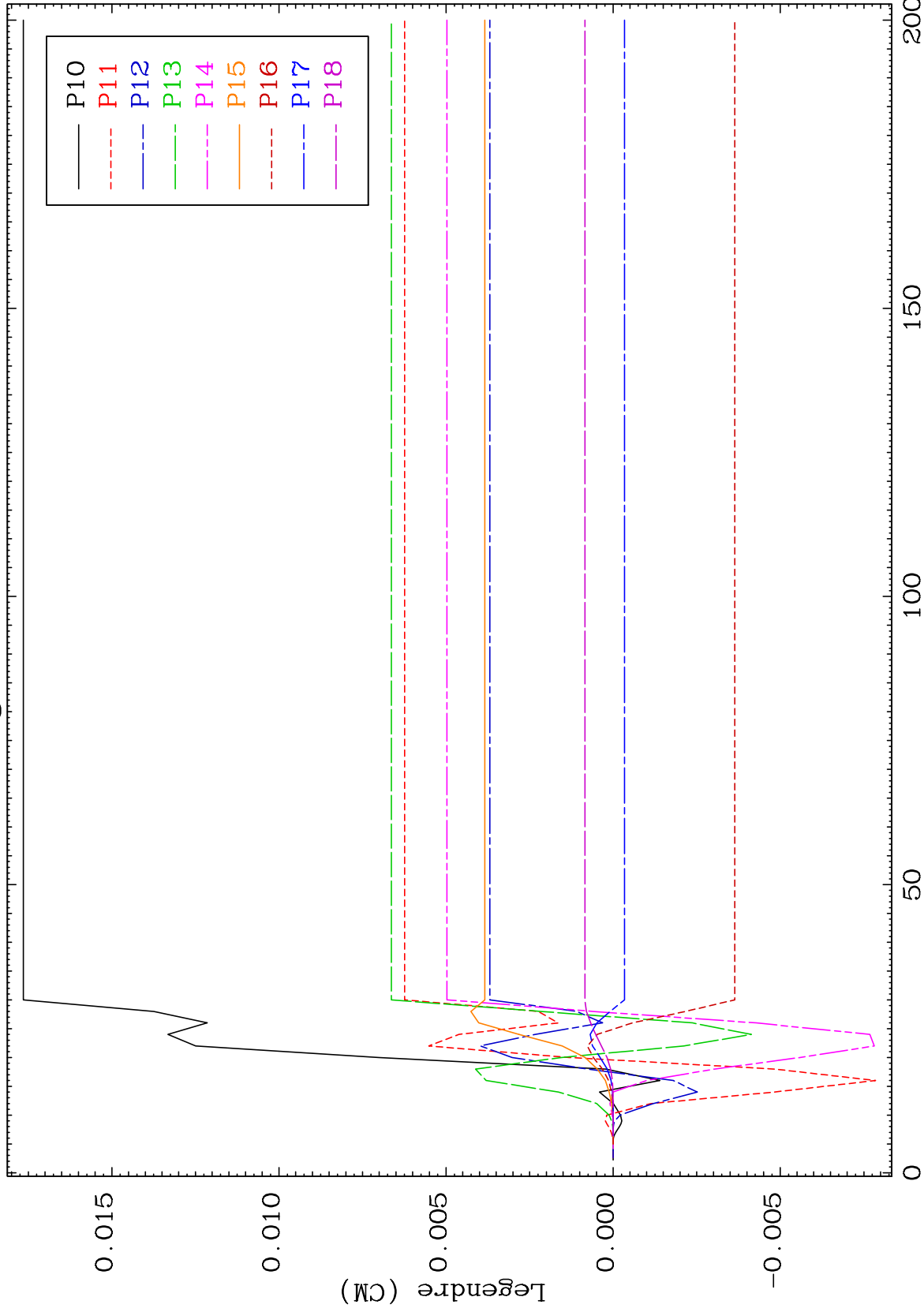
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



43

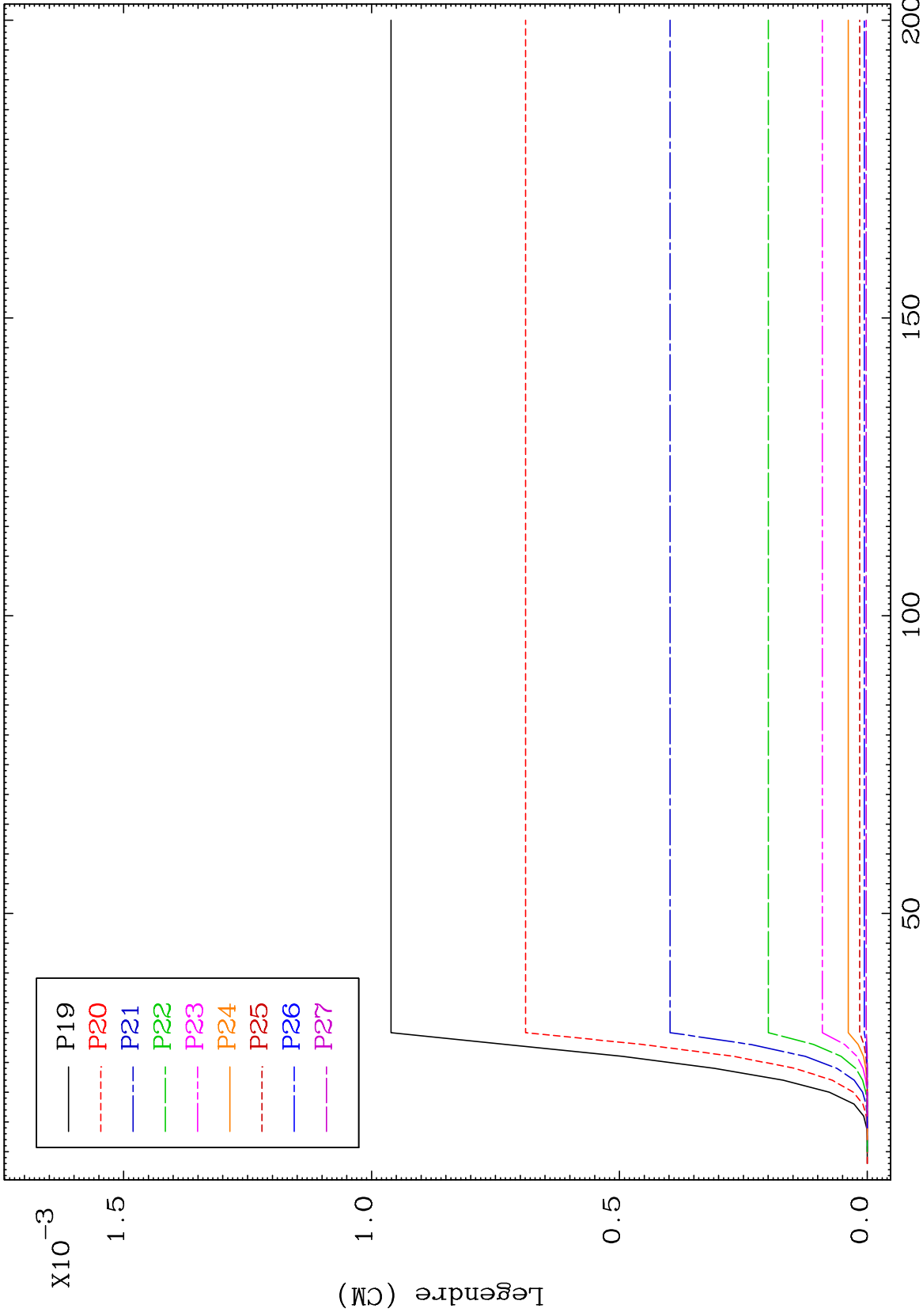
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



44

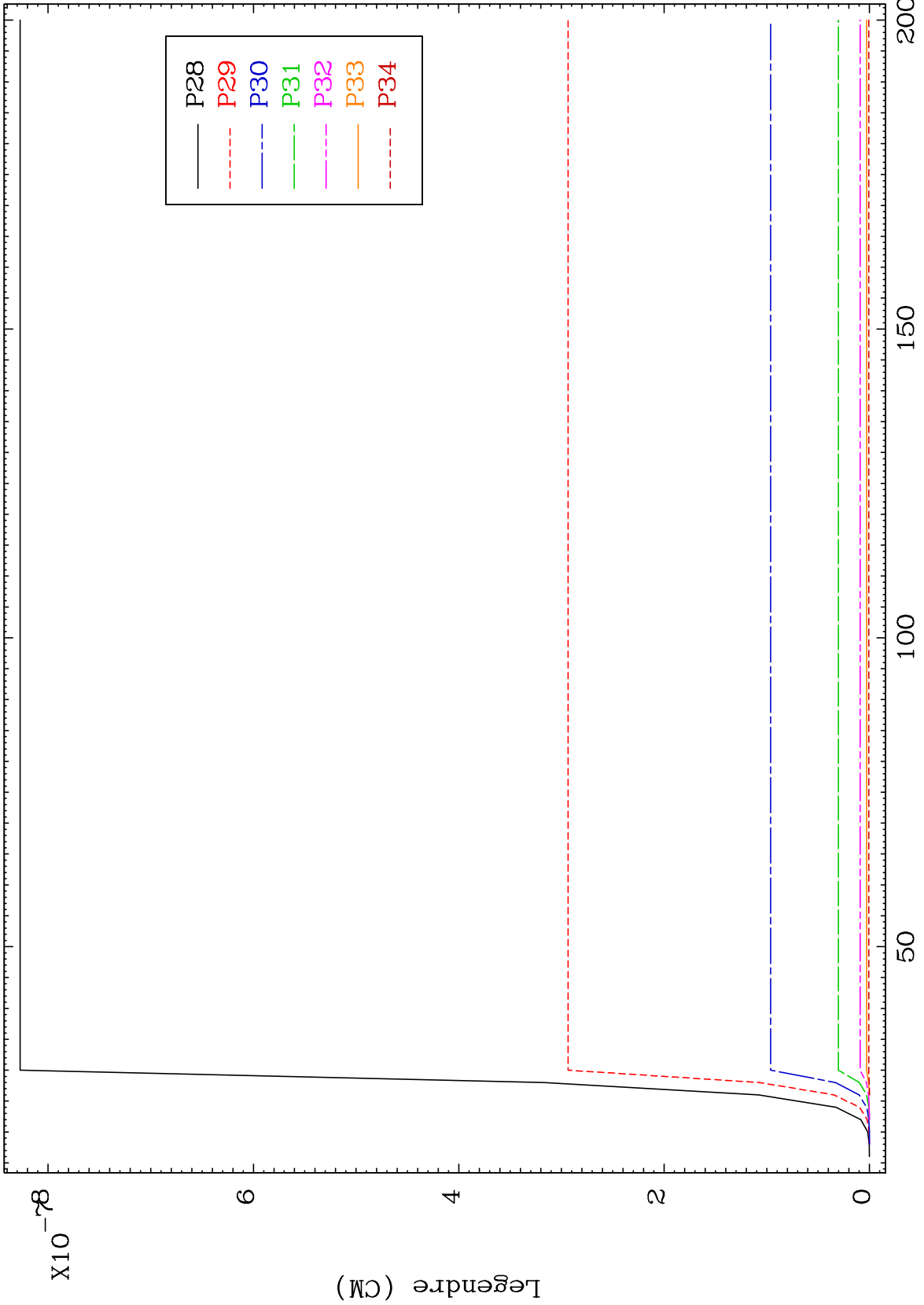
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



45

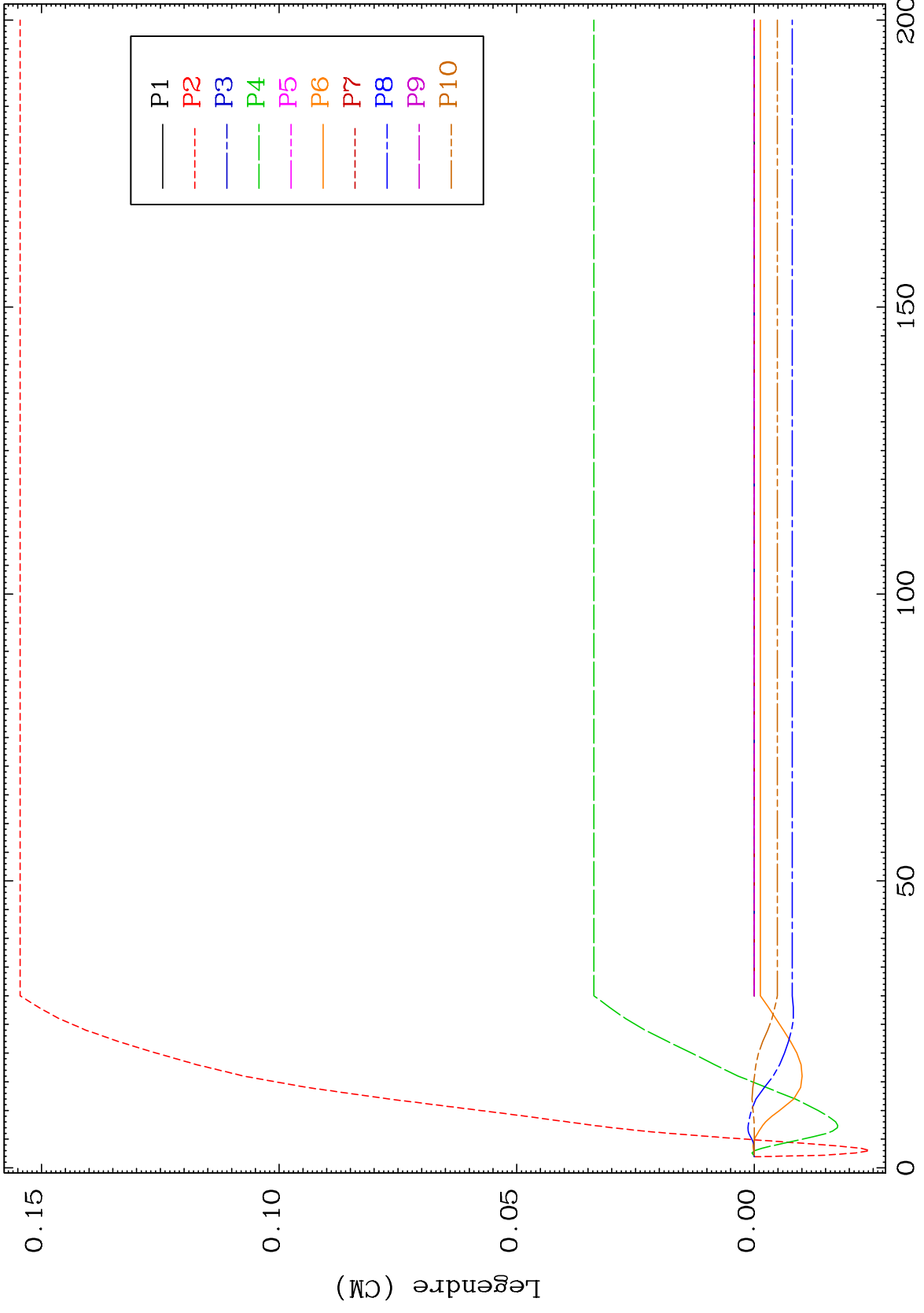
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



46

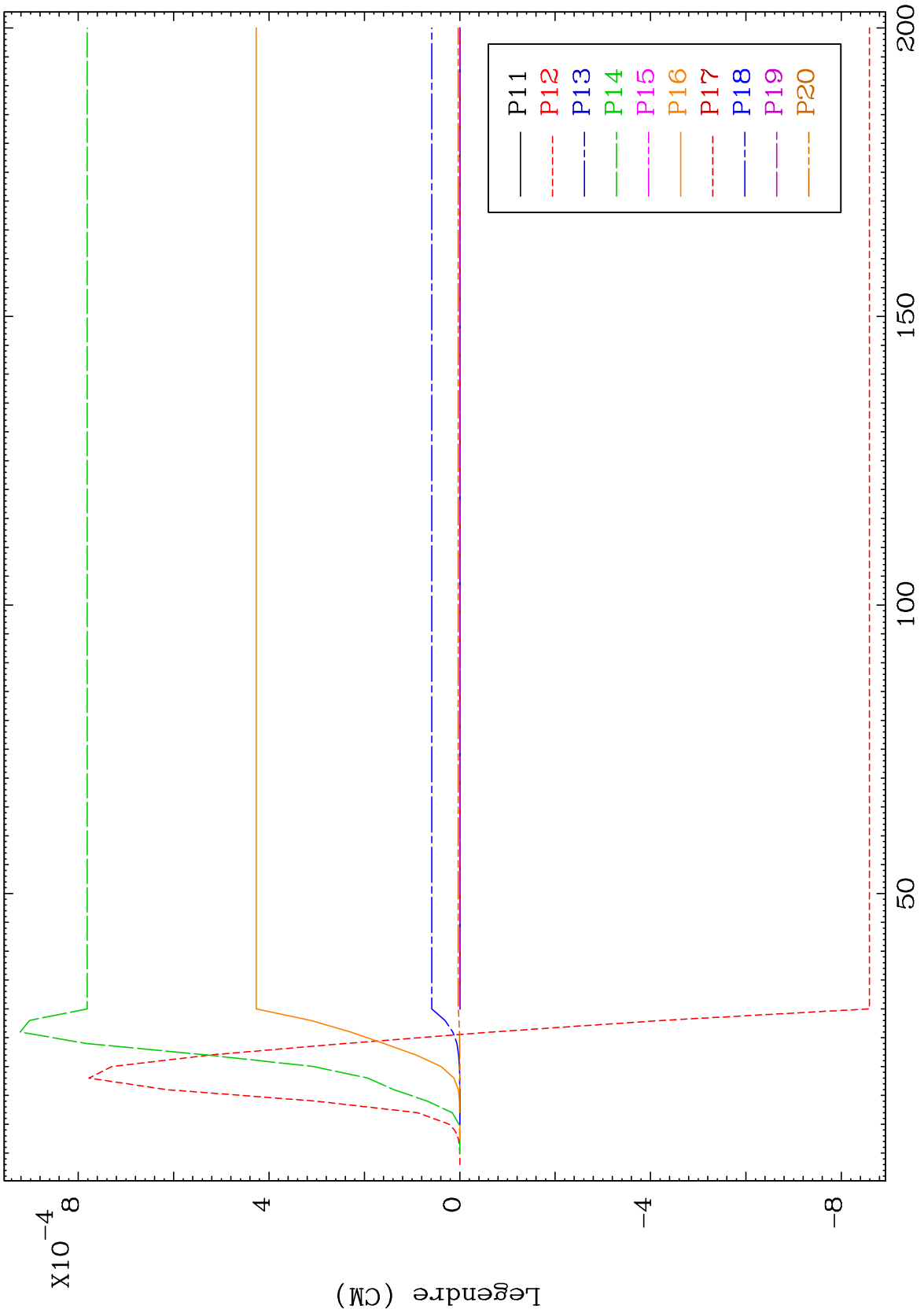
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



47

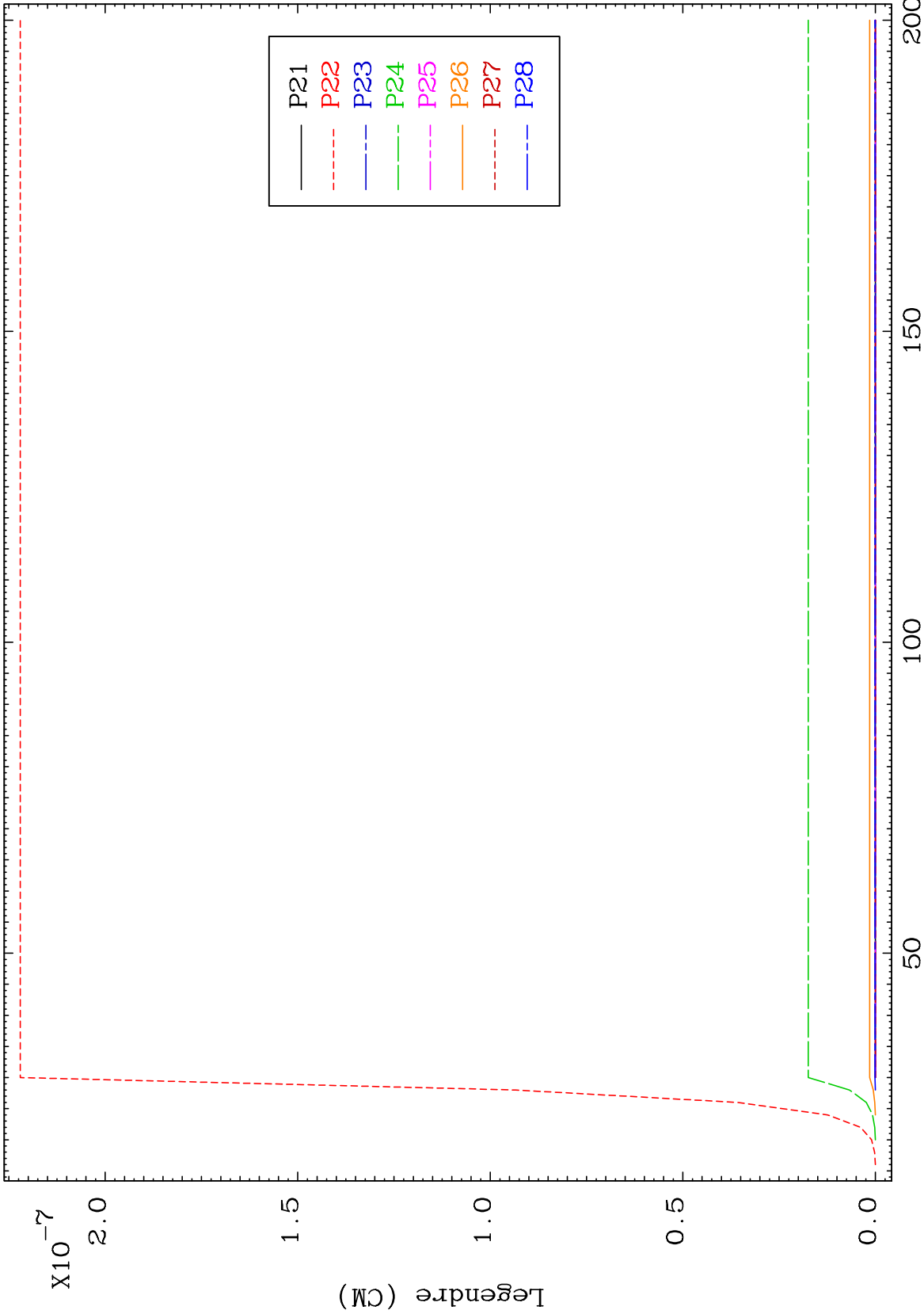
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



48

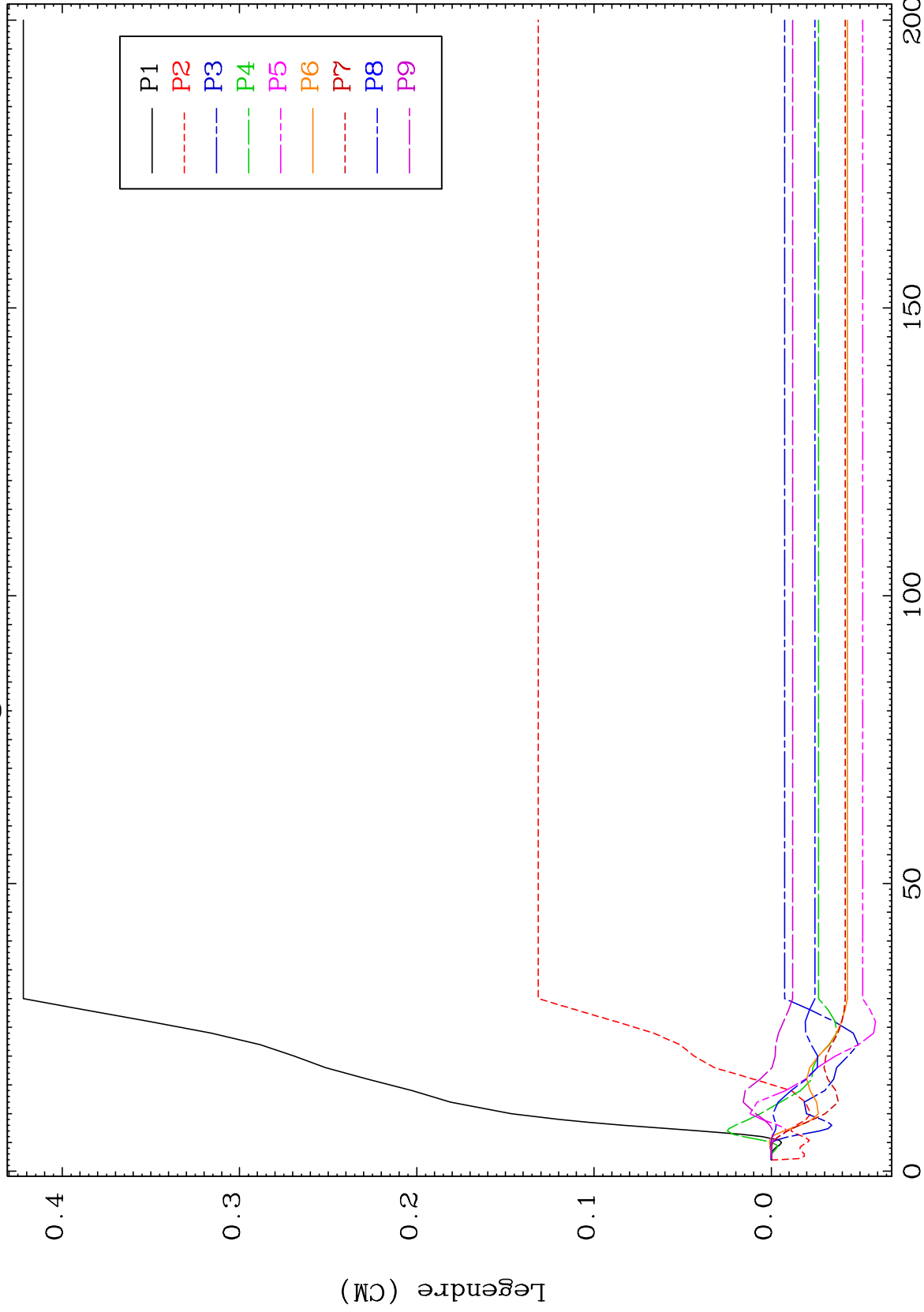
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



49

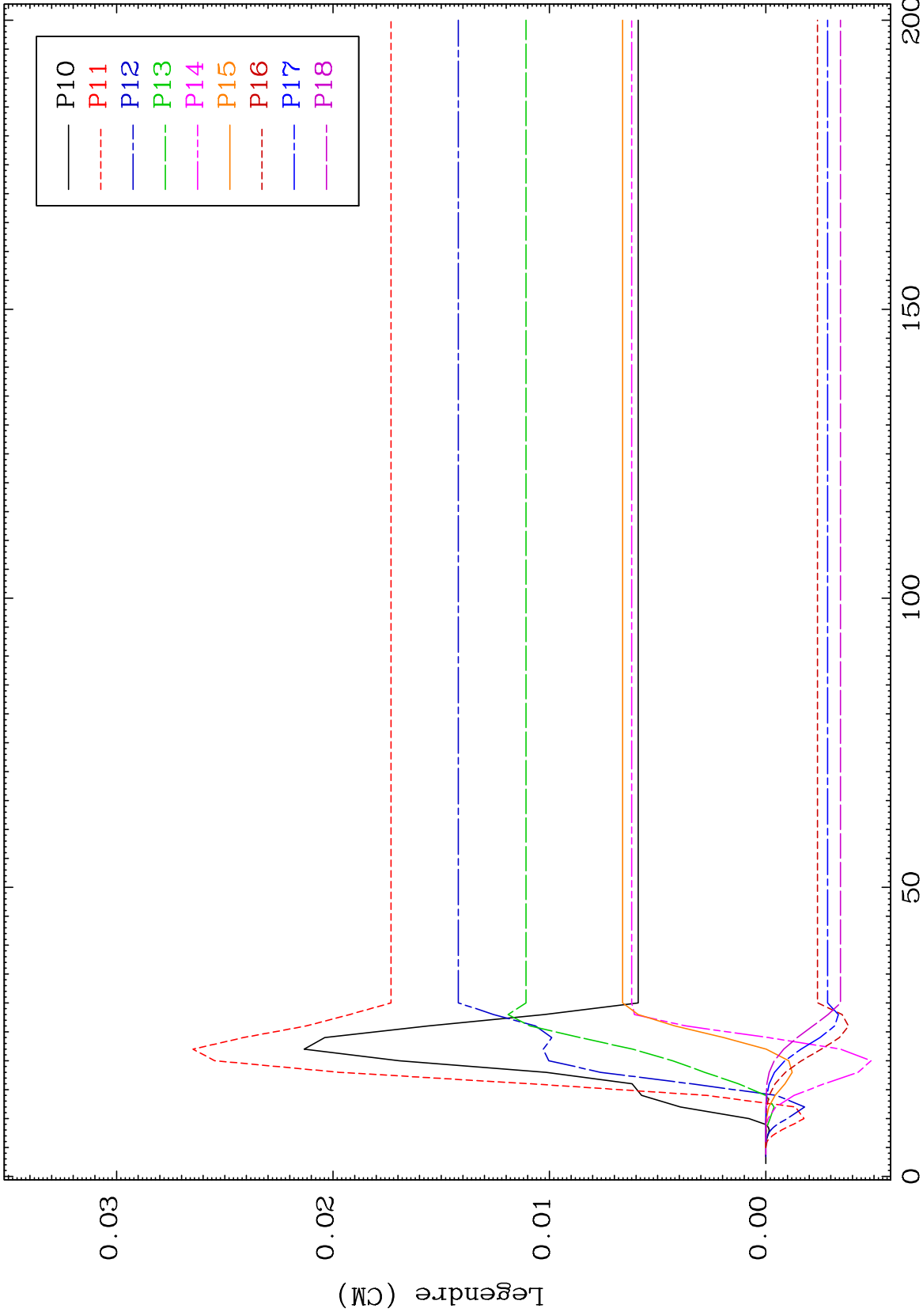
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



50

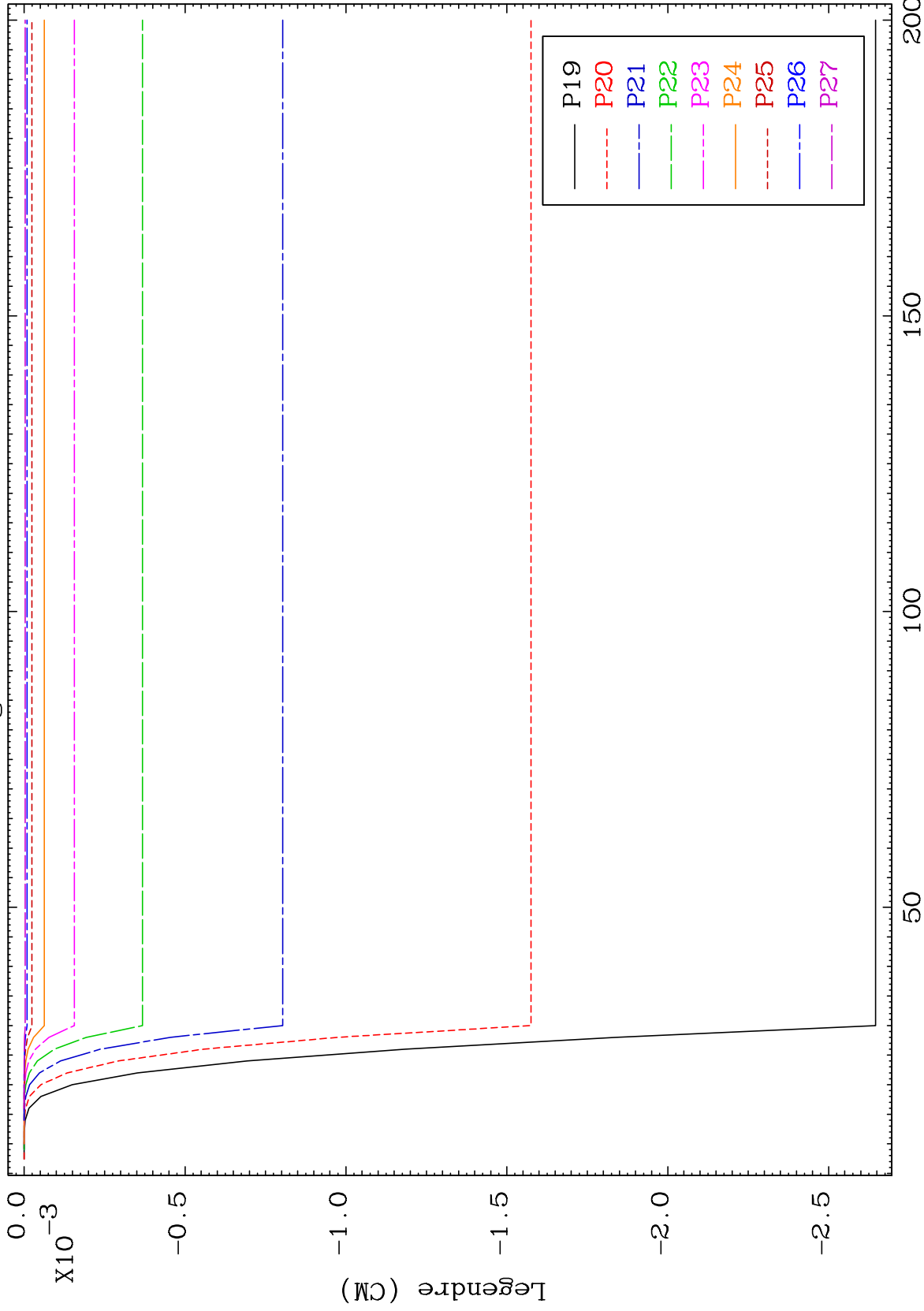
Incident Energy (MeV)

100

150

200

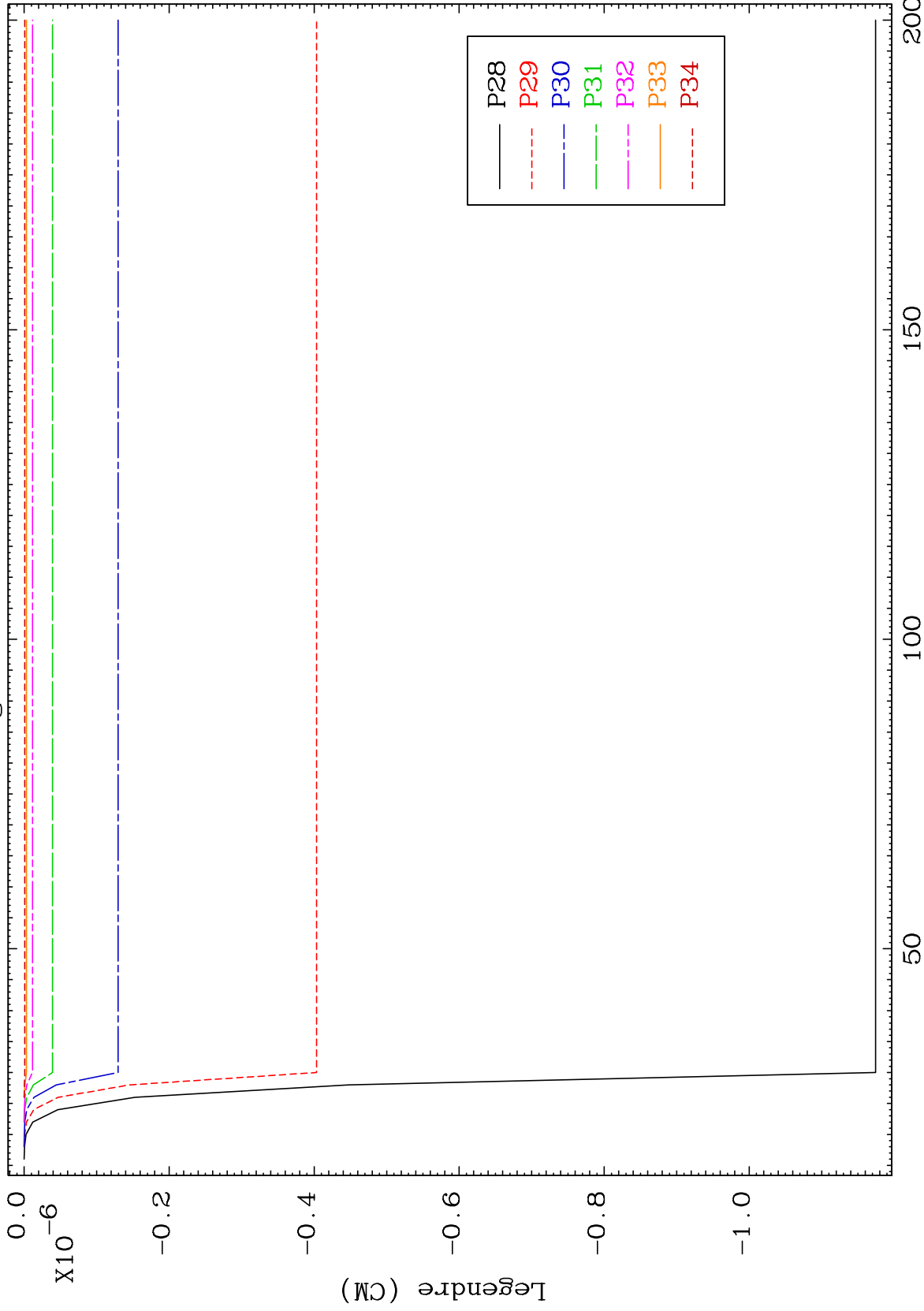
48-Cd-116



MAT 4855

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

48-Cd-116



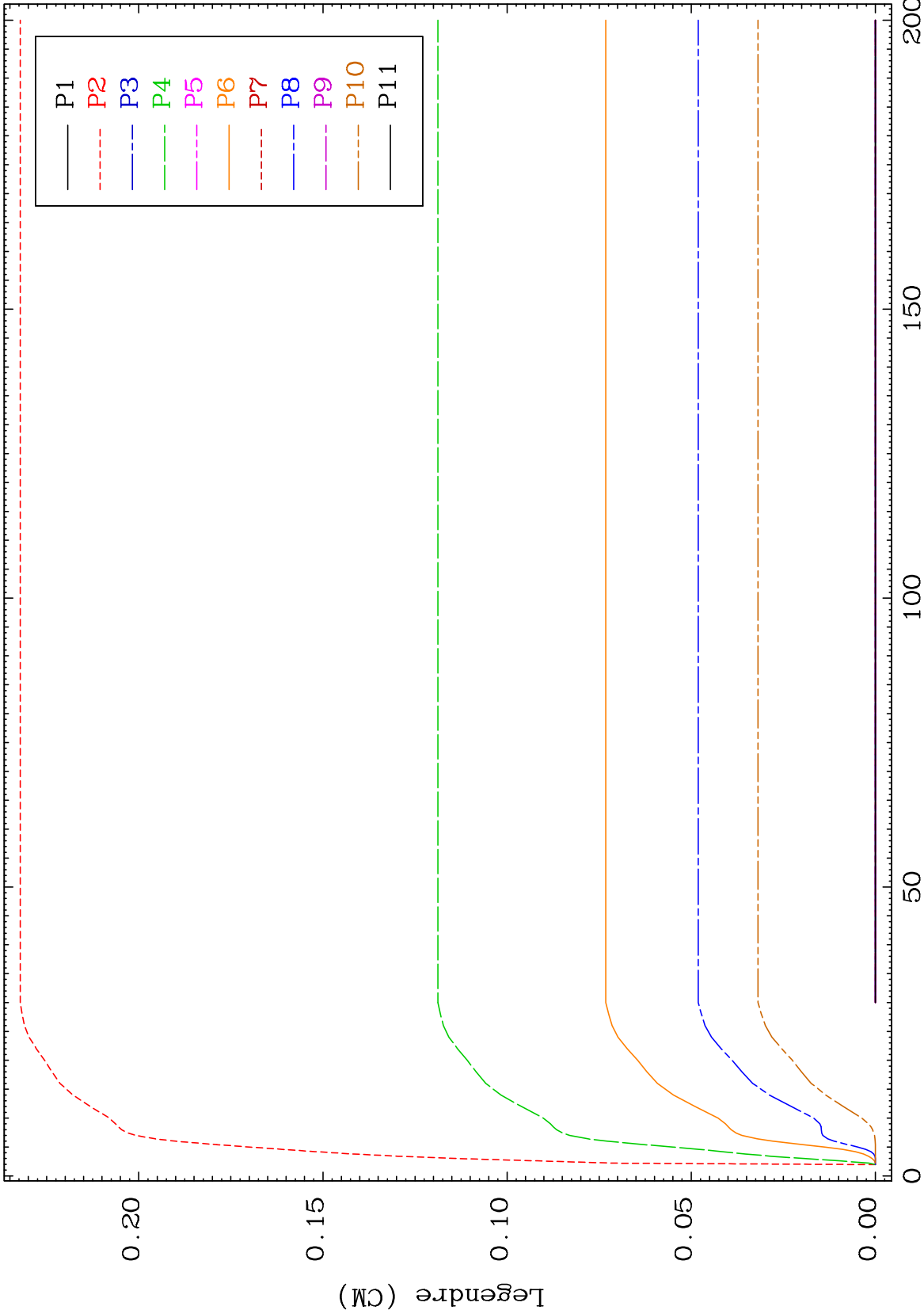
52

48-Cd-116

MAT 4855

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

48-Cd-116



53

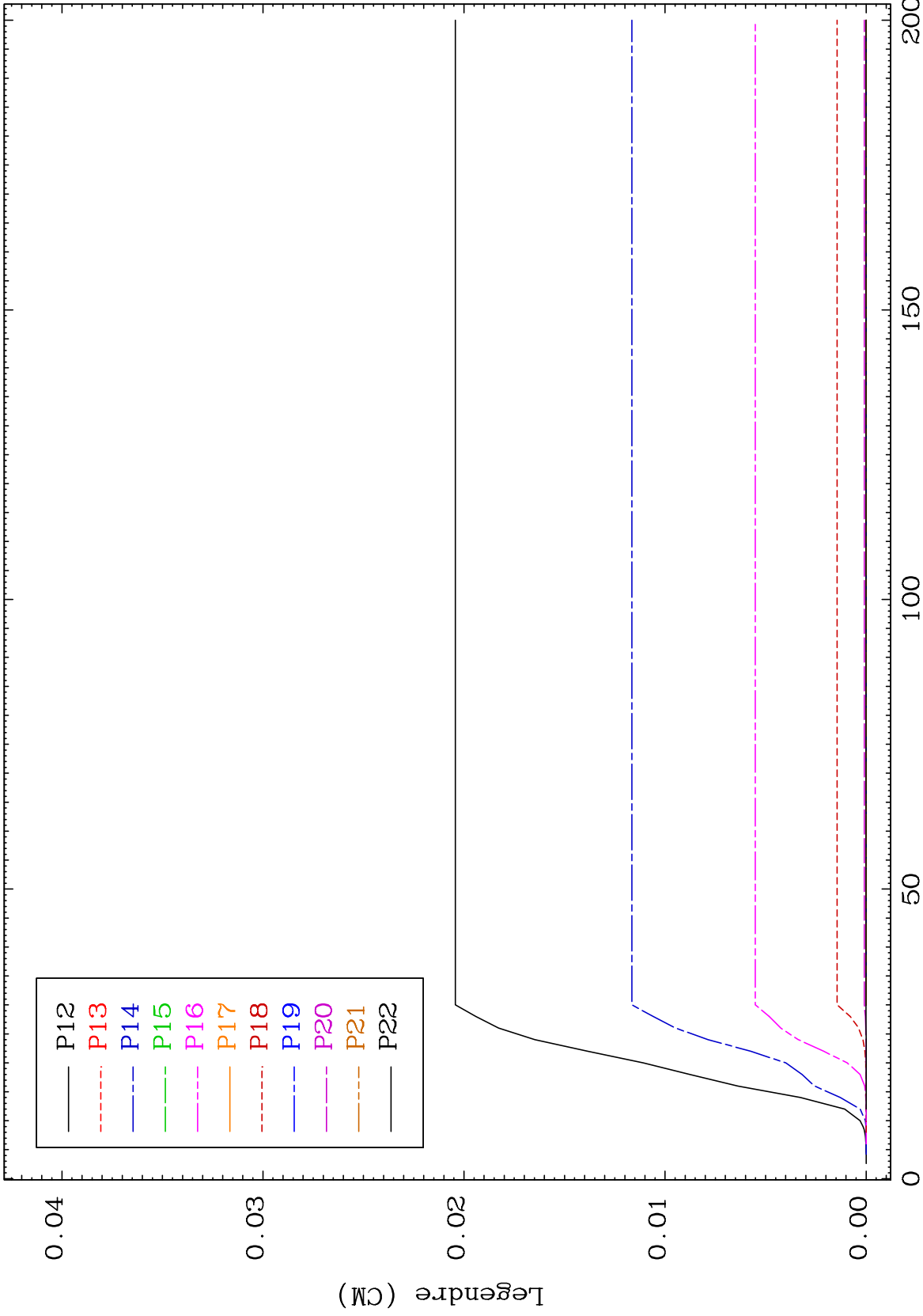
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



54

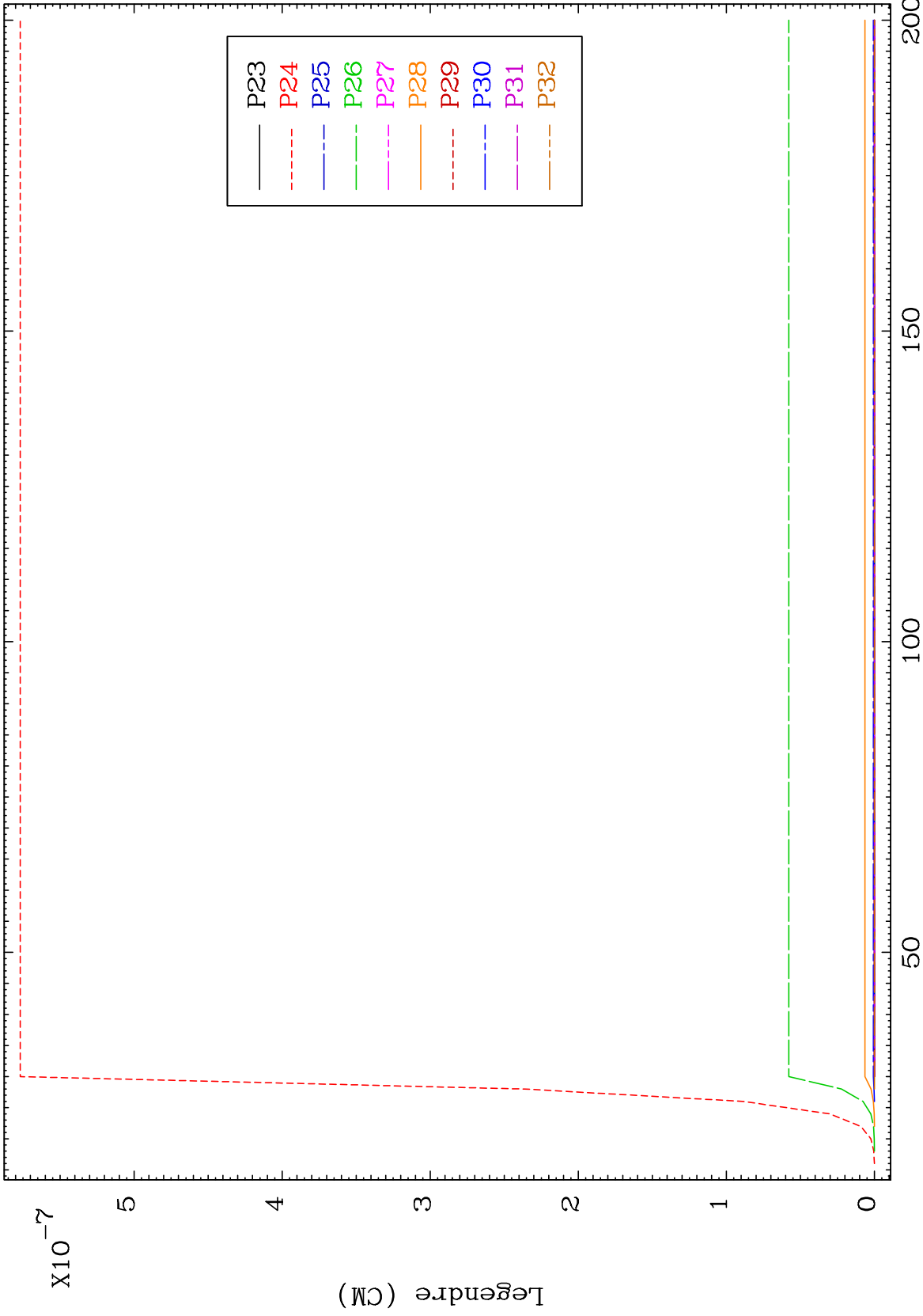
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



55

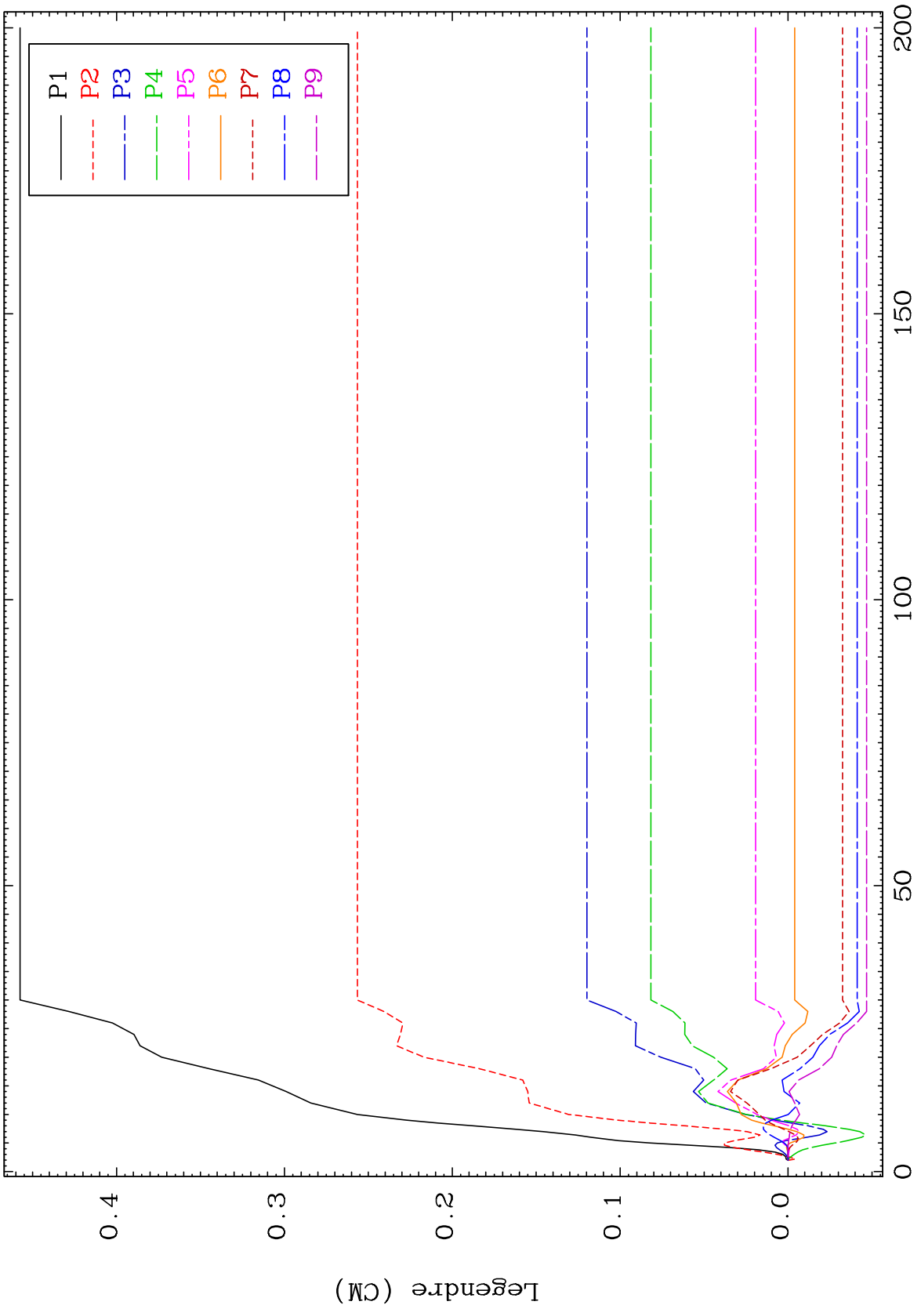
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



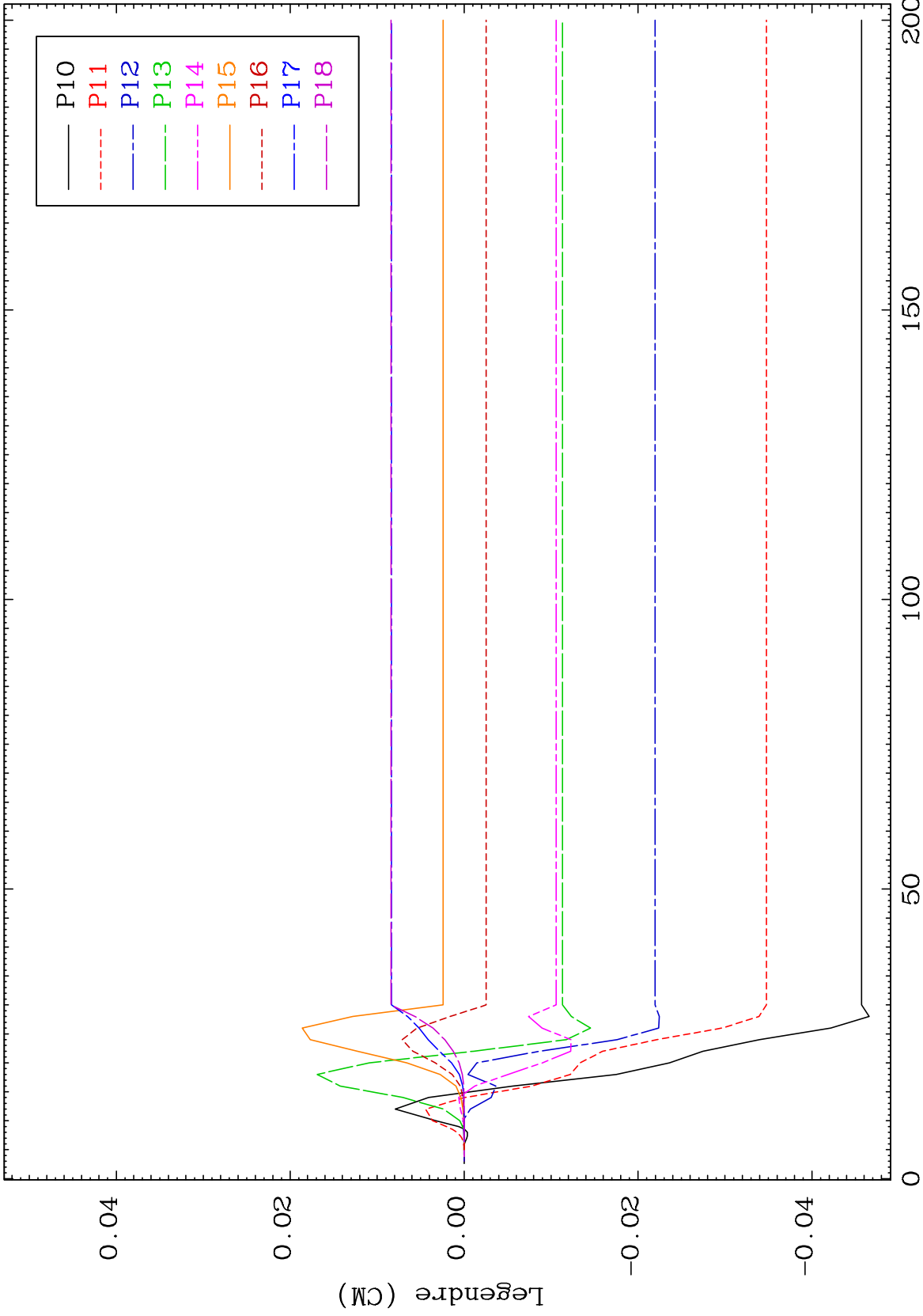
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48-Cd-116

MAT 4855

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

48-Cd-116



57

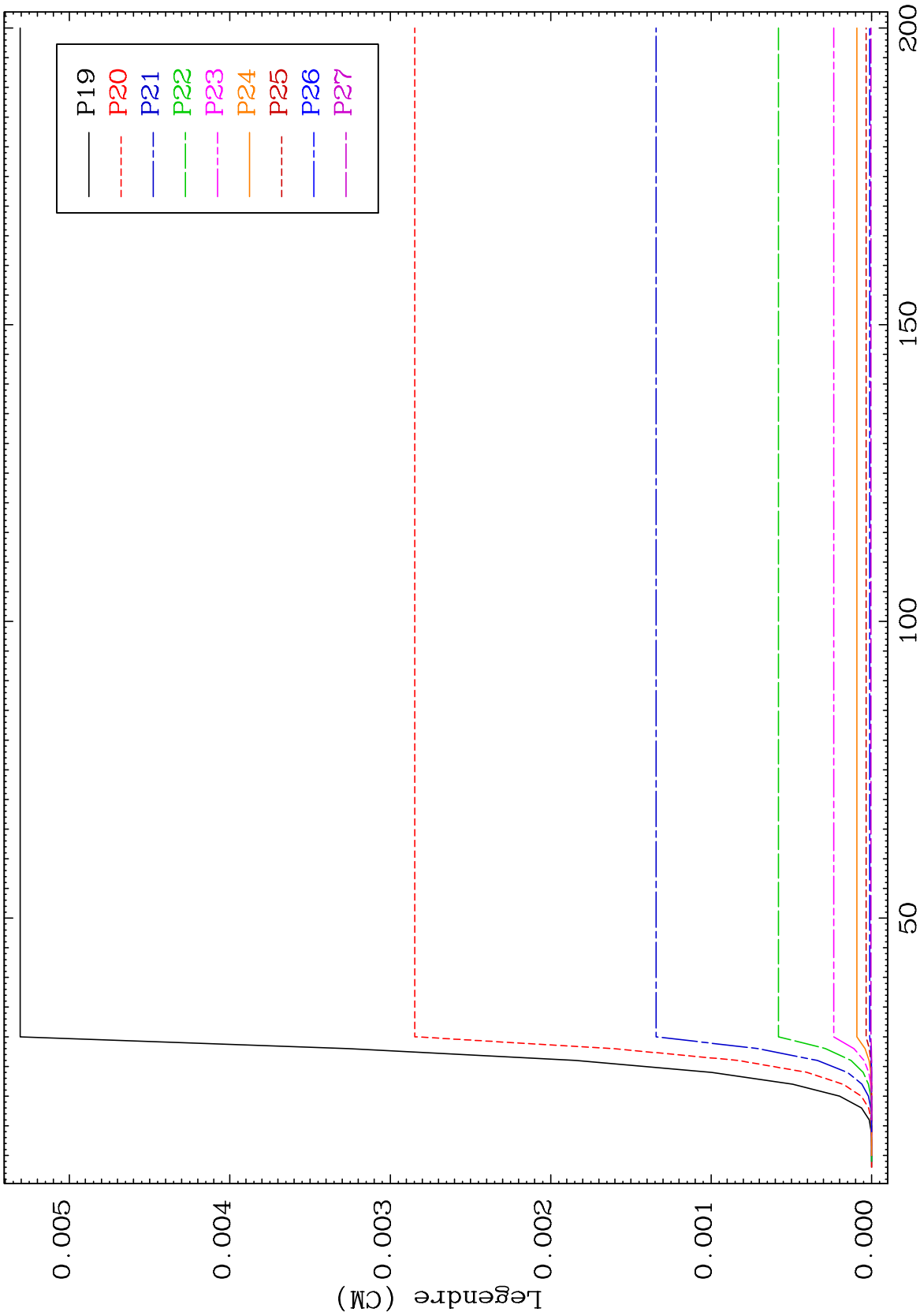
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



58

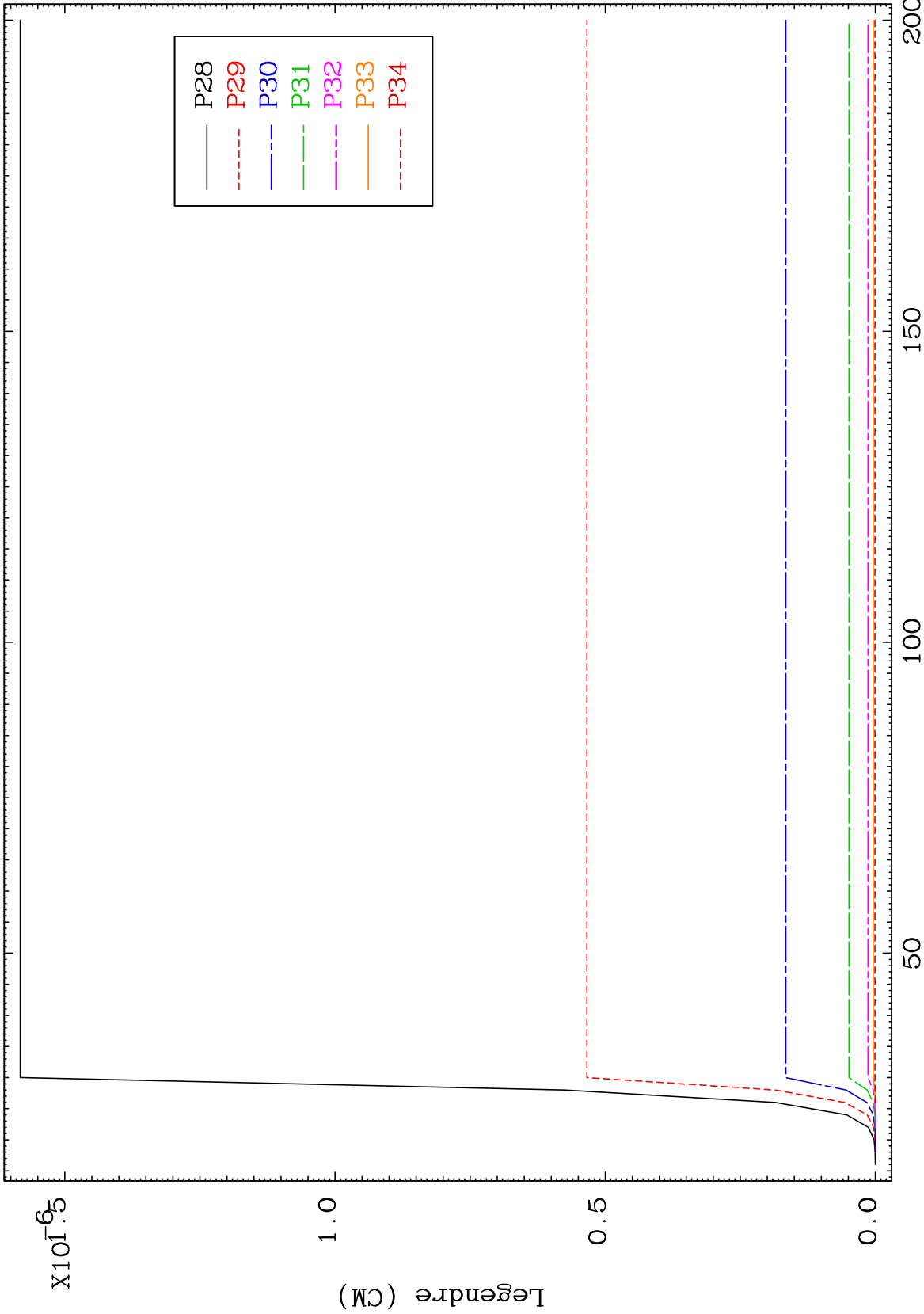
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



59

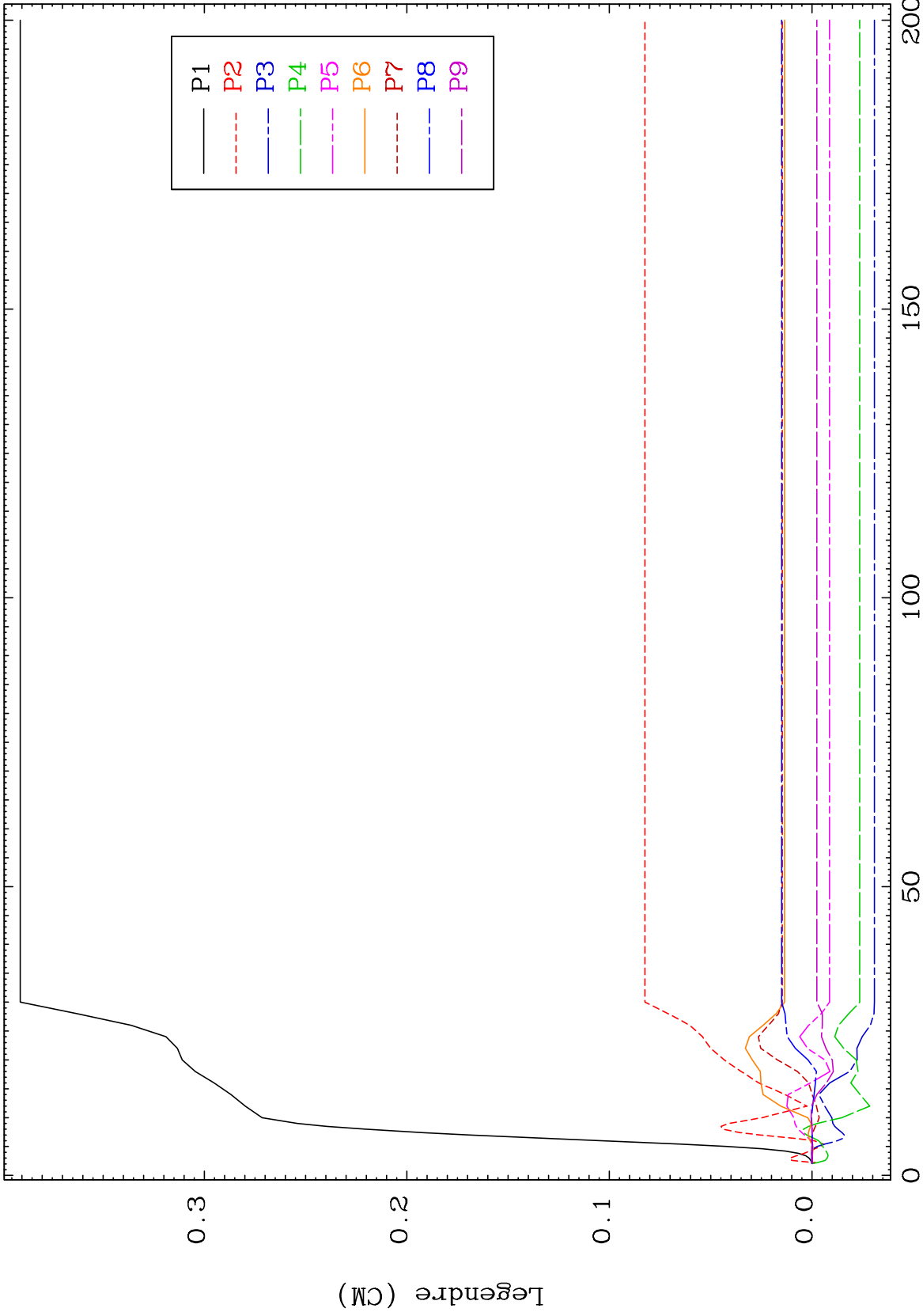
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



60

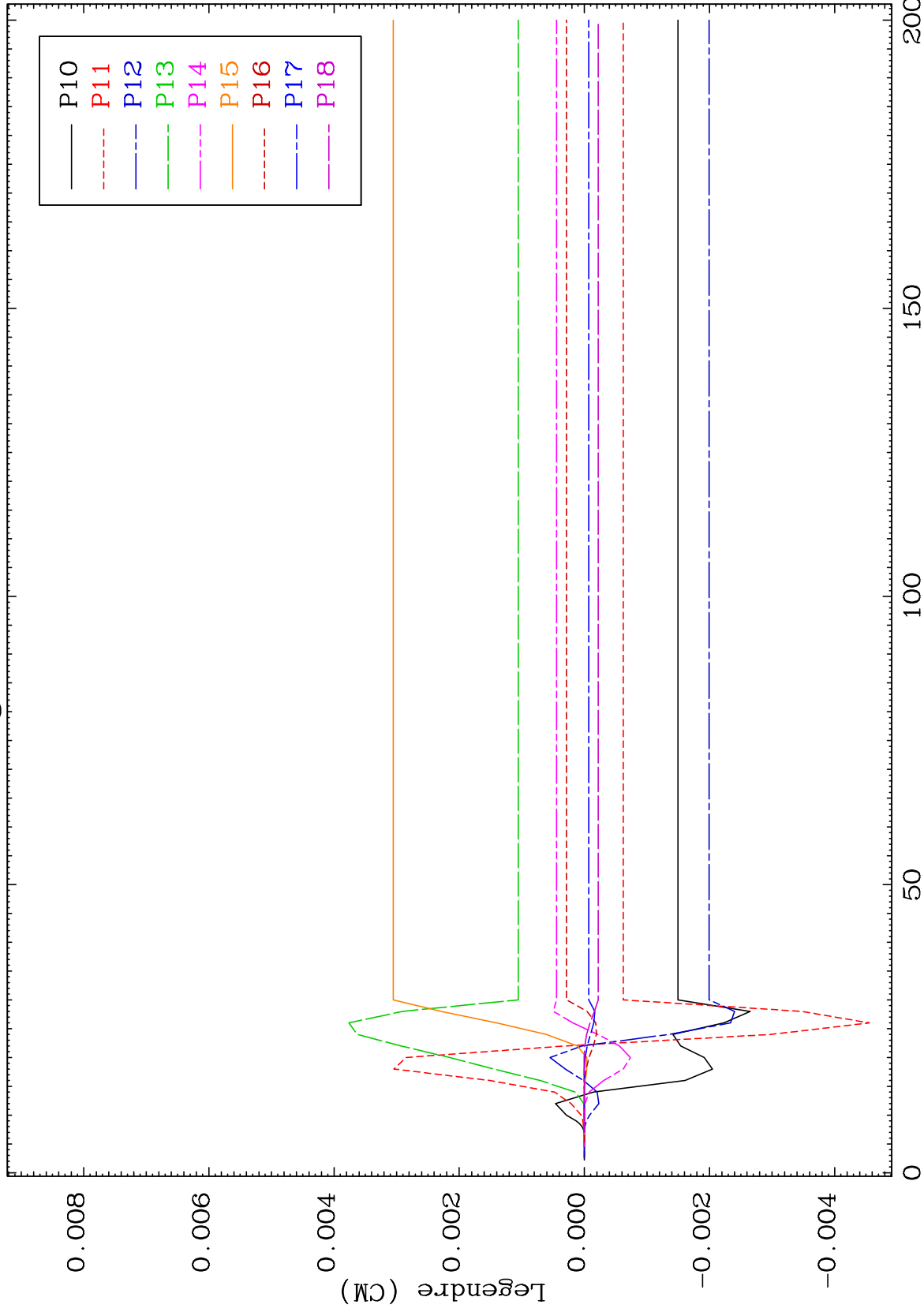
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



61

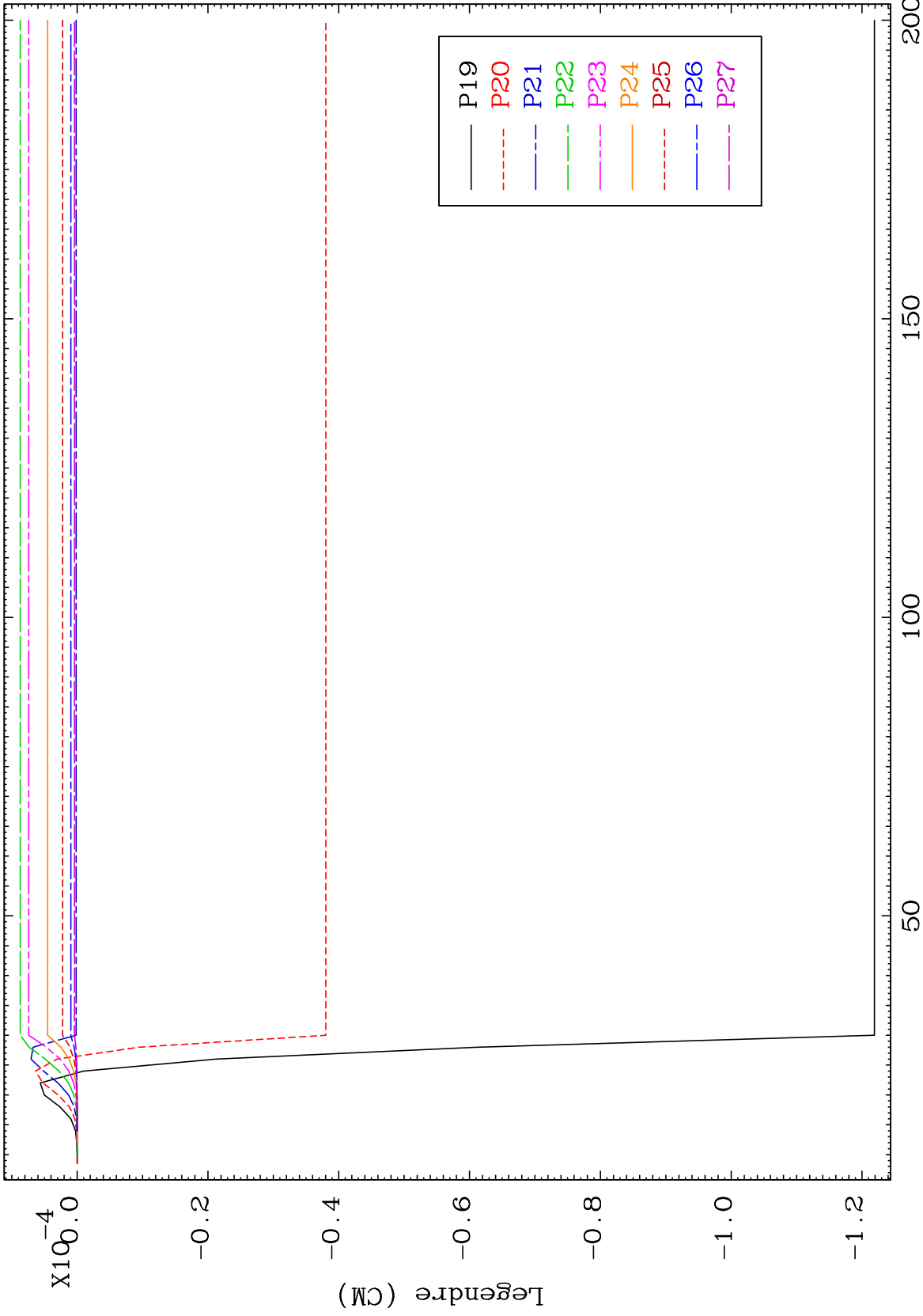
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



62

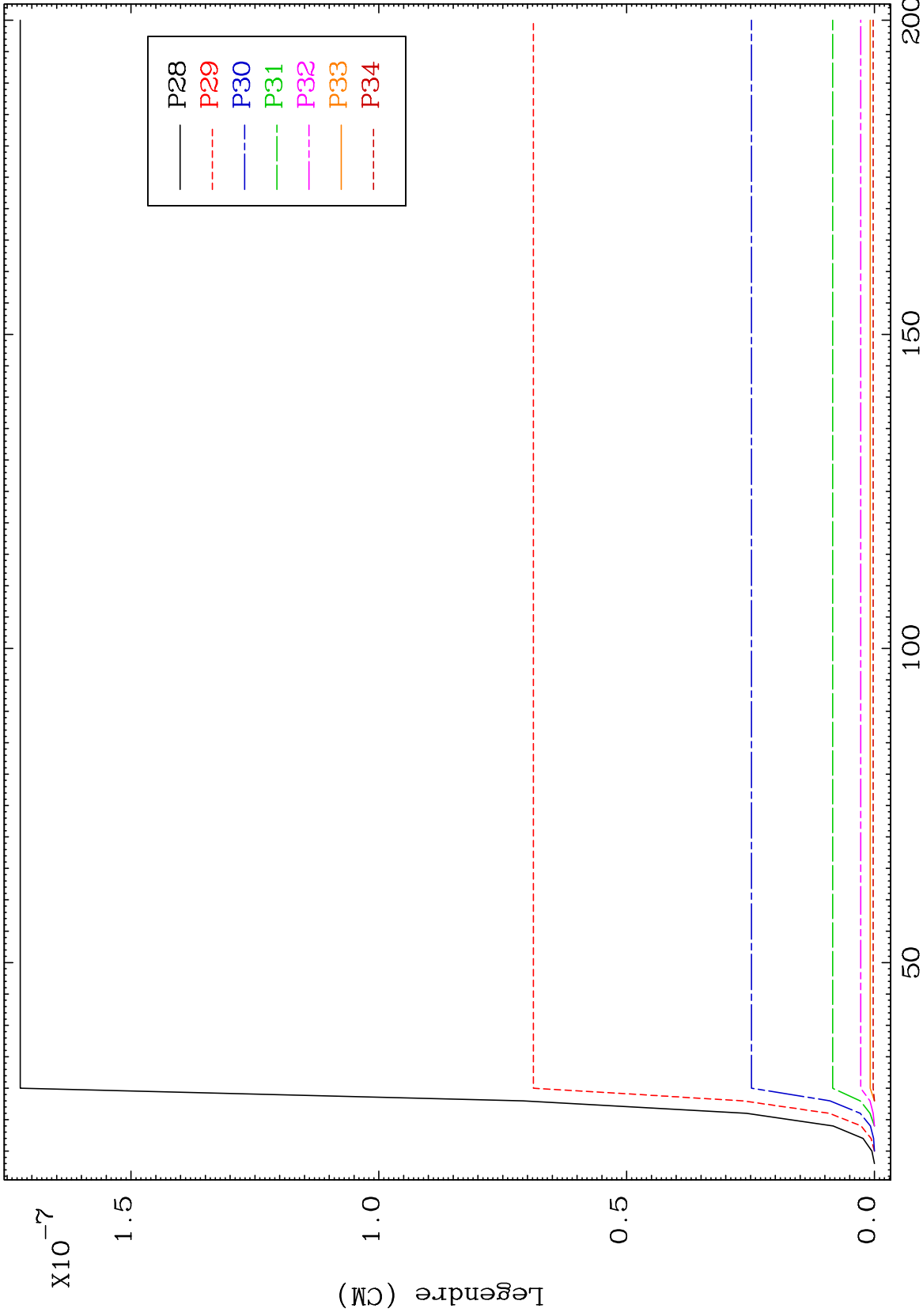
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



63

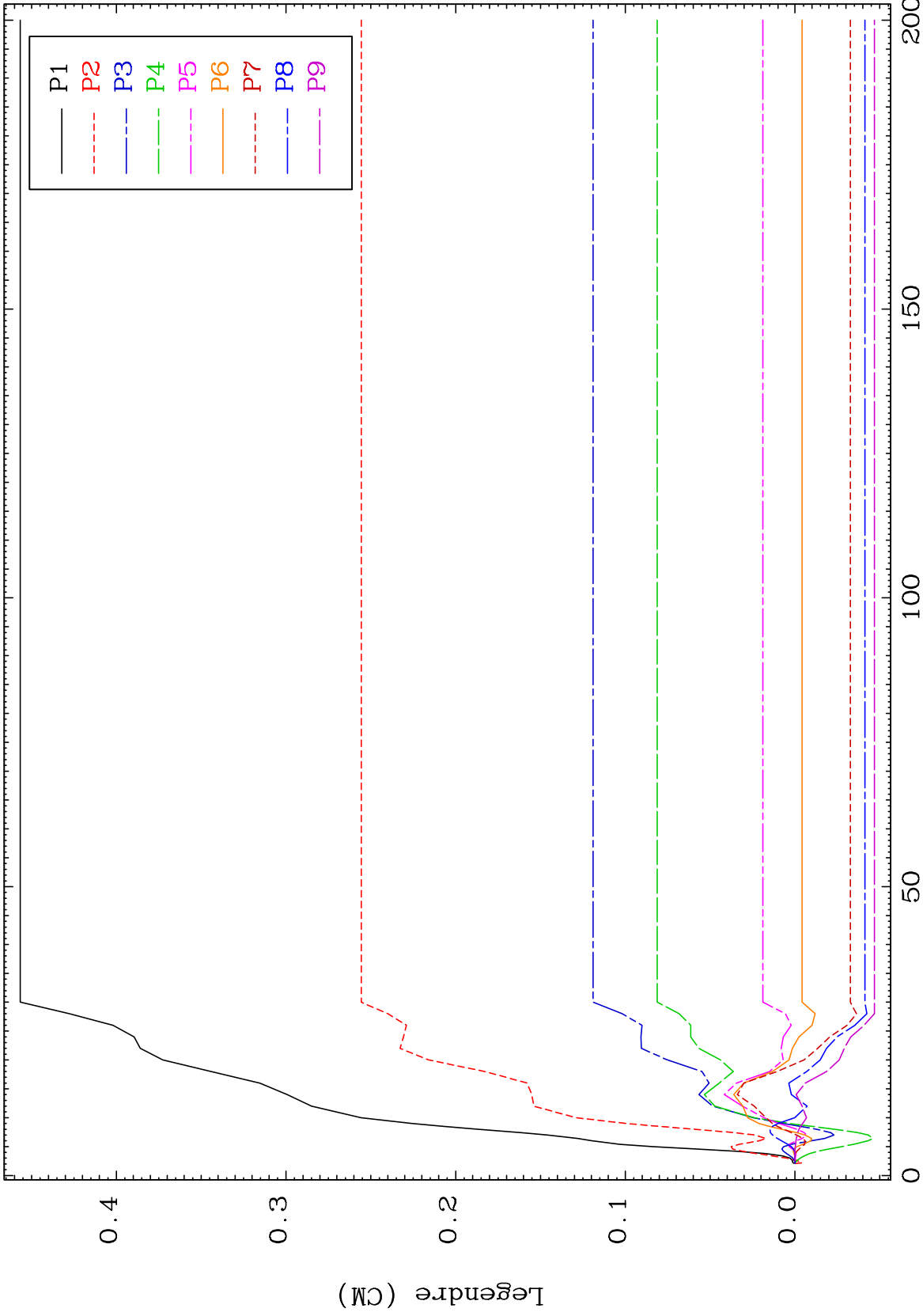
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



64

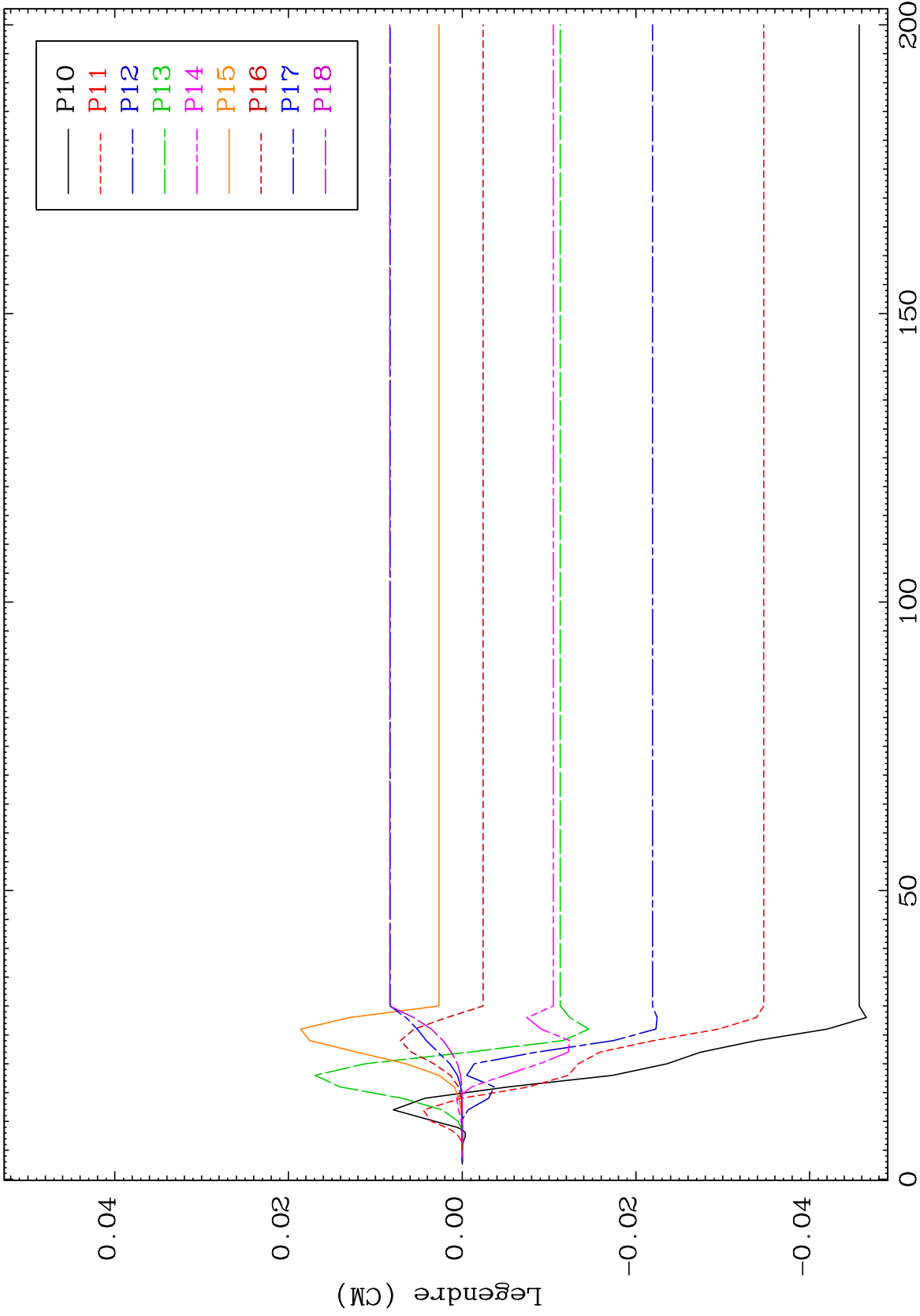
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



65

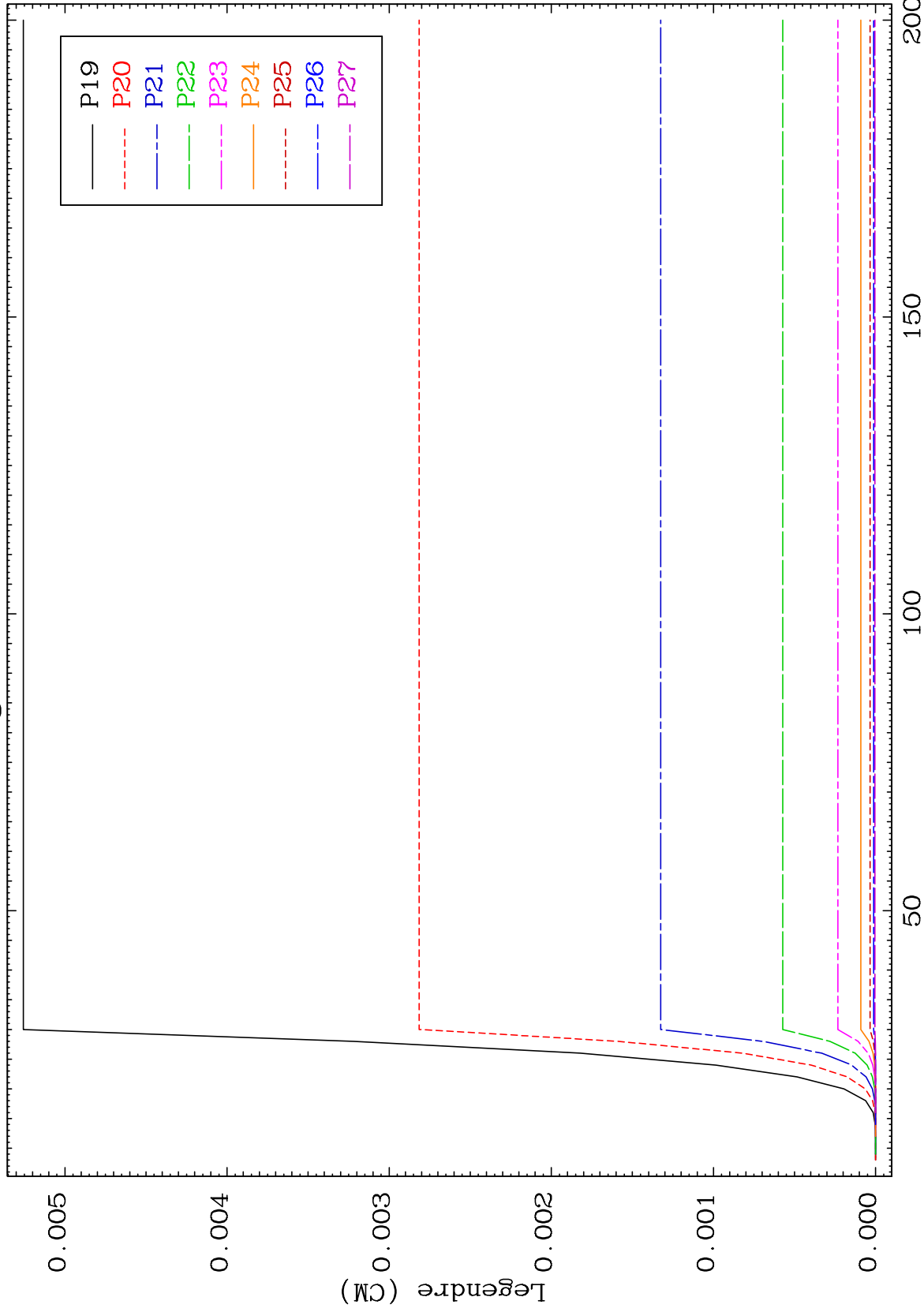
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



66

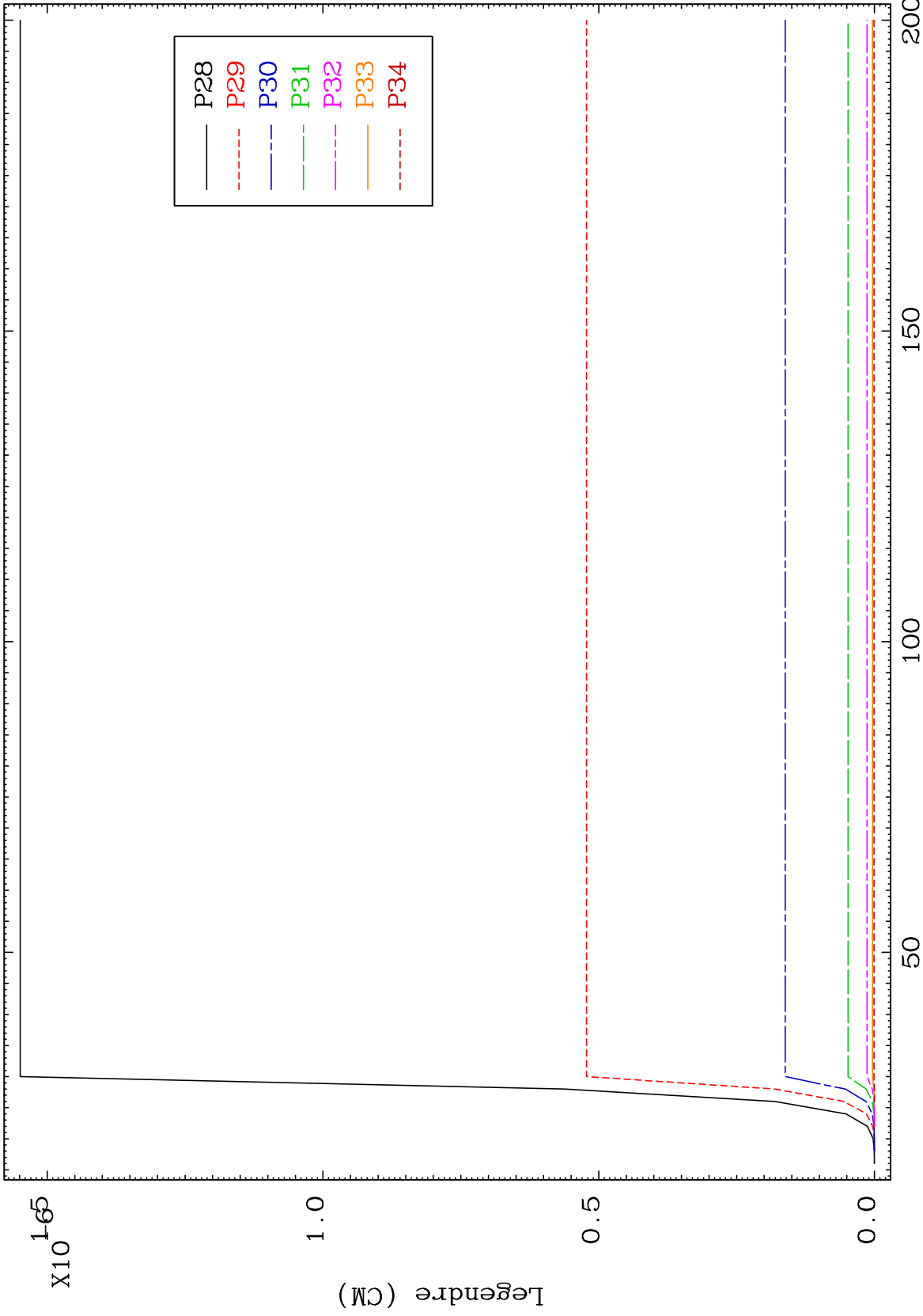
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



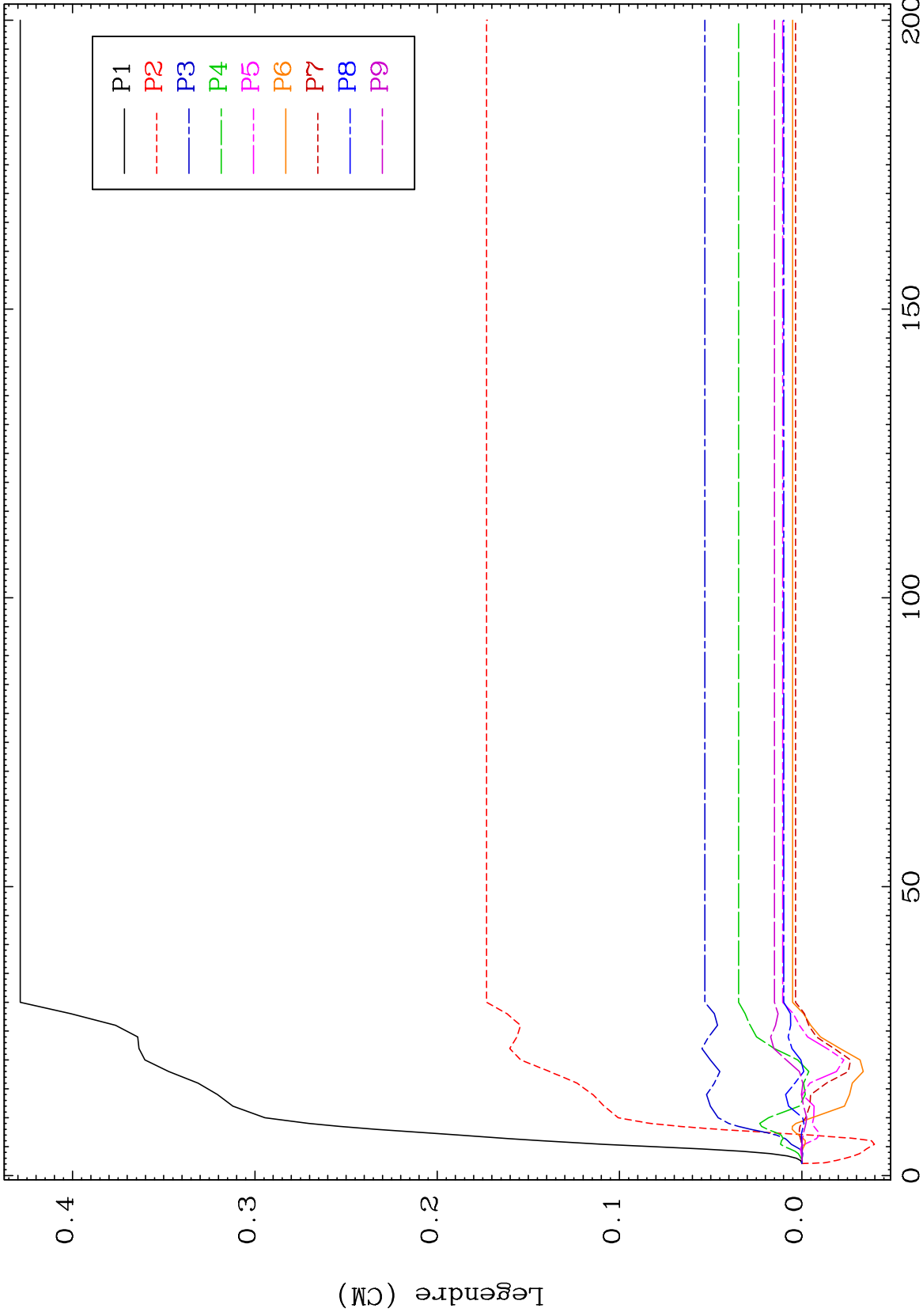
67

48-Cd-116

MAT 4855

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

48-Cd-116



68

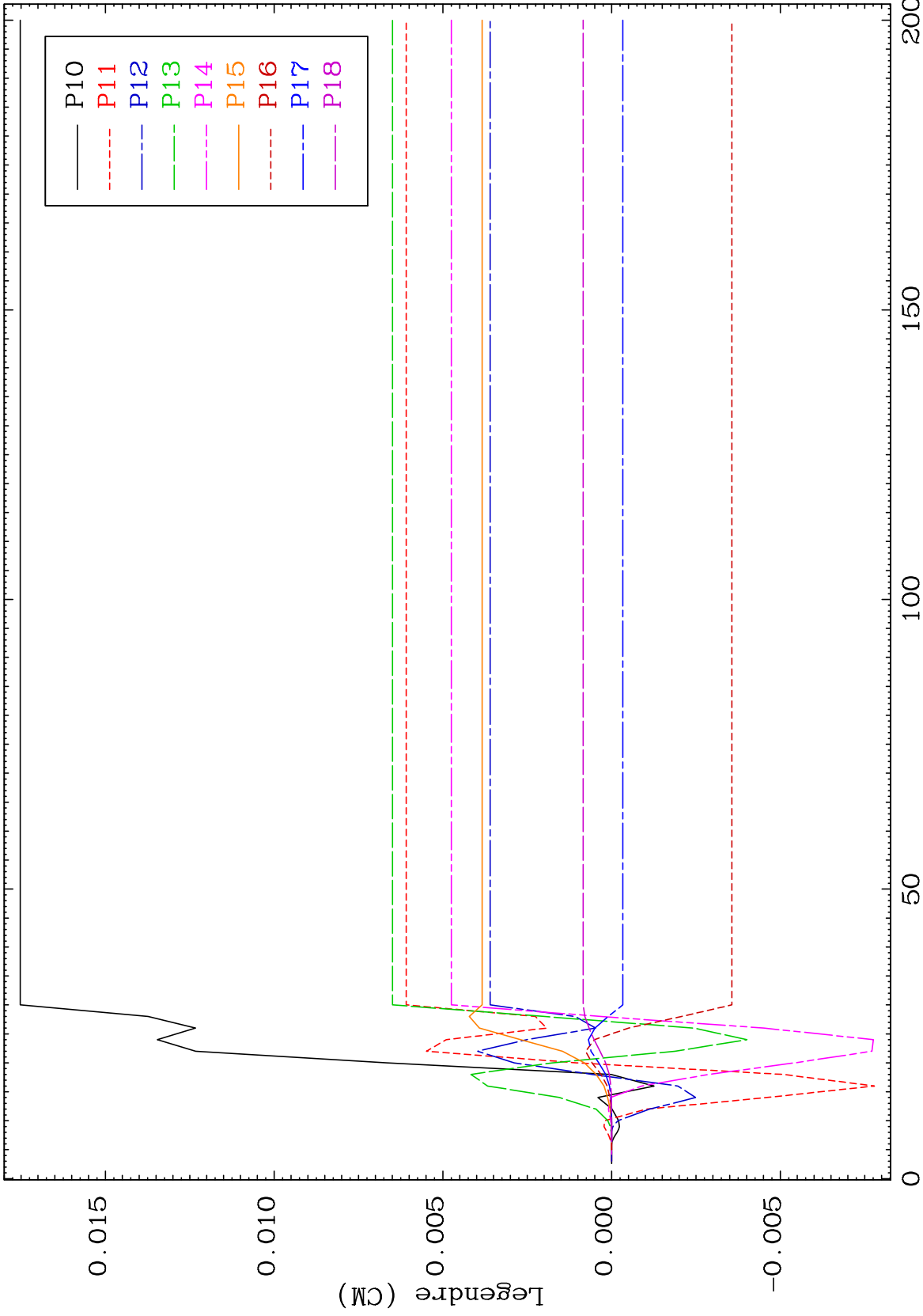
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



69

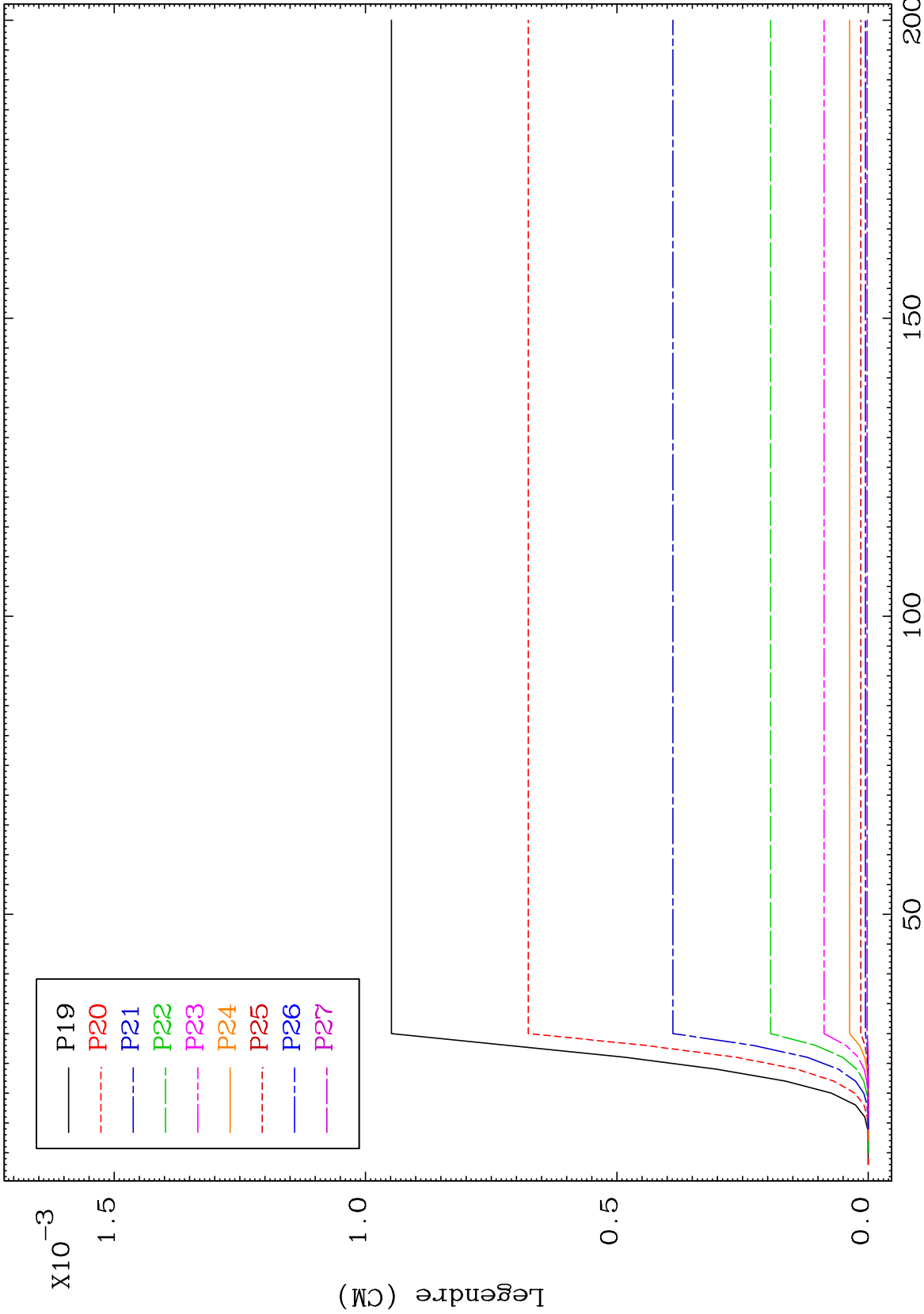
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



70

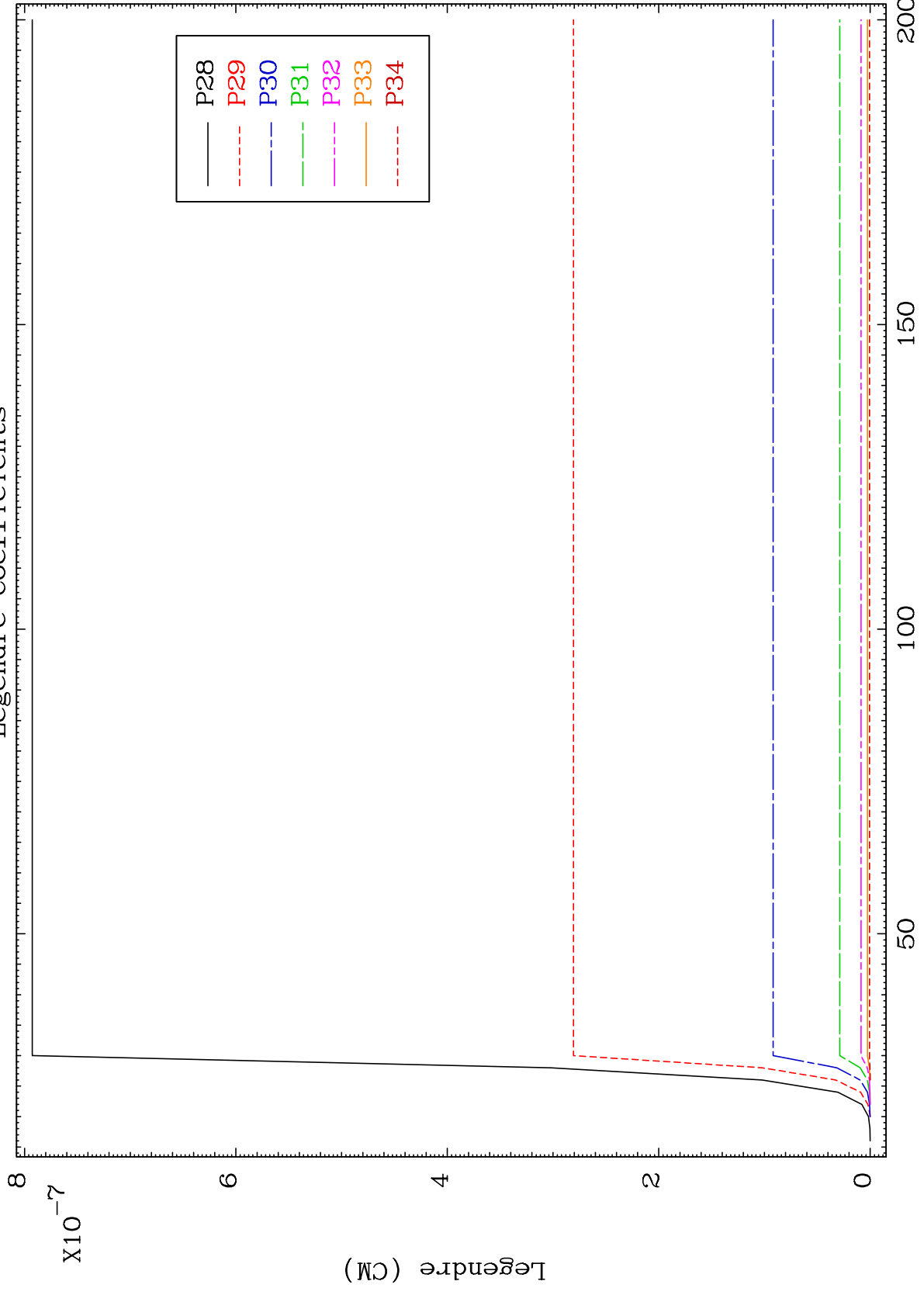
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



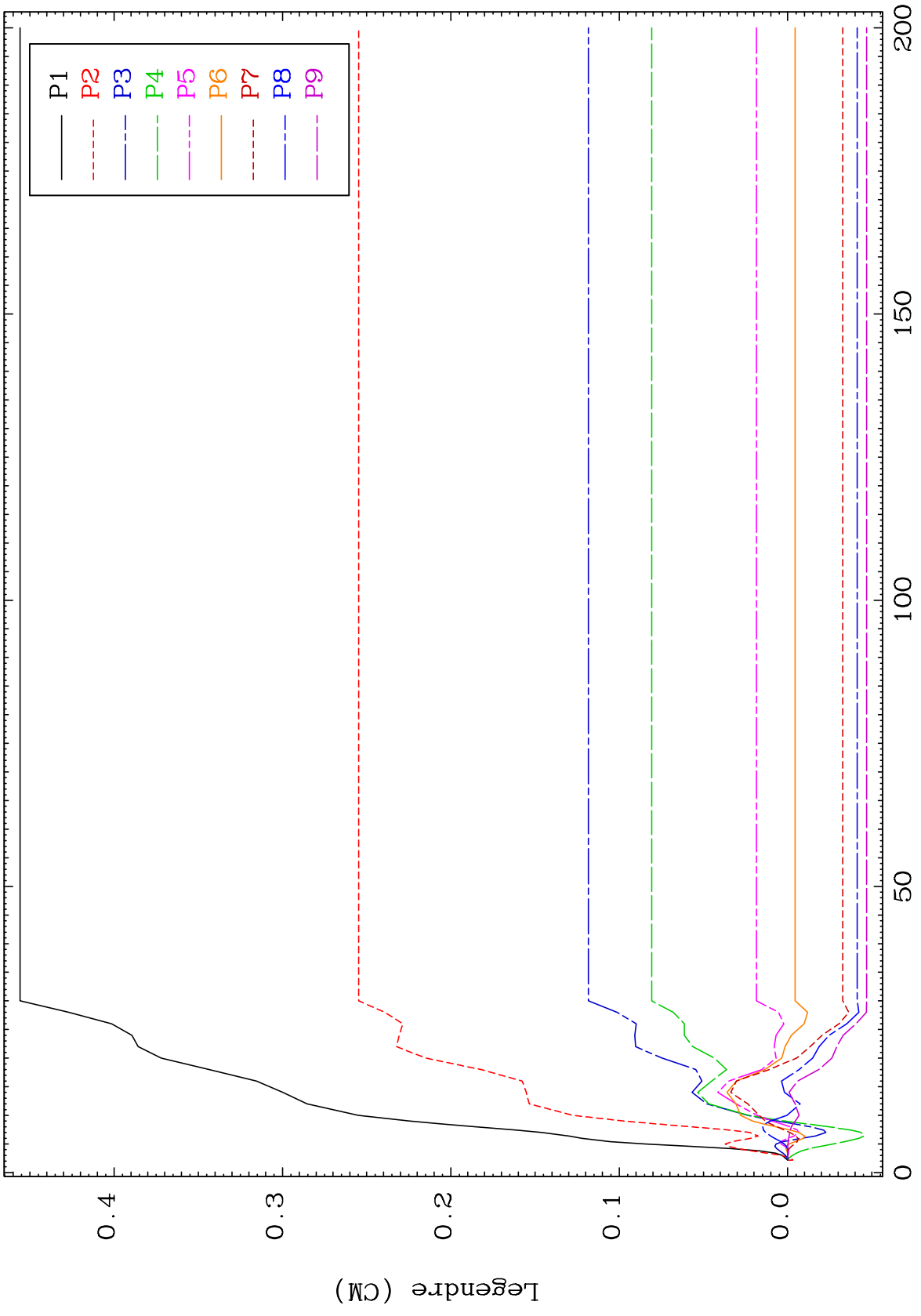
71

48-Cd-116

MAT 4855

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

48-Cd-116



72

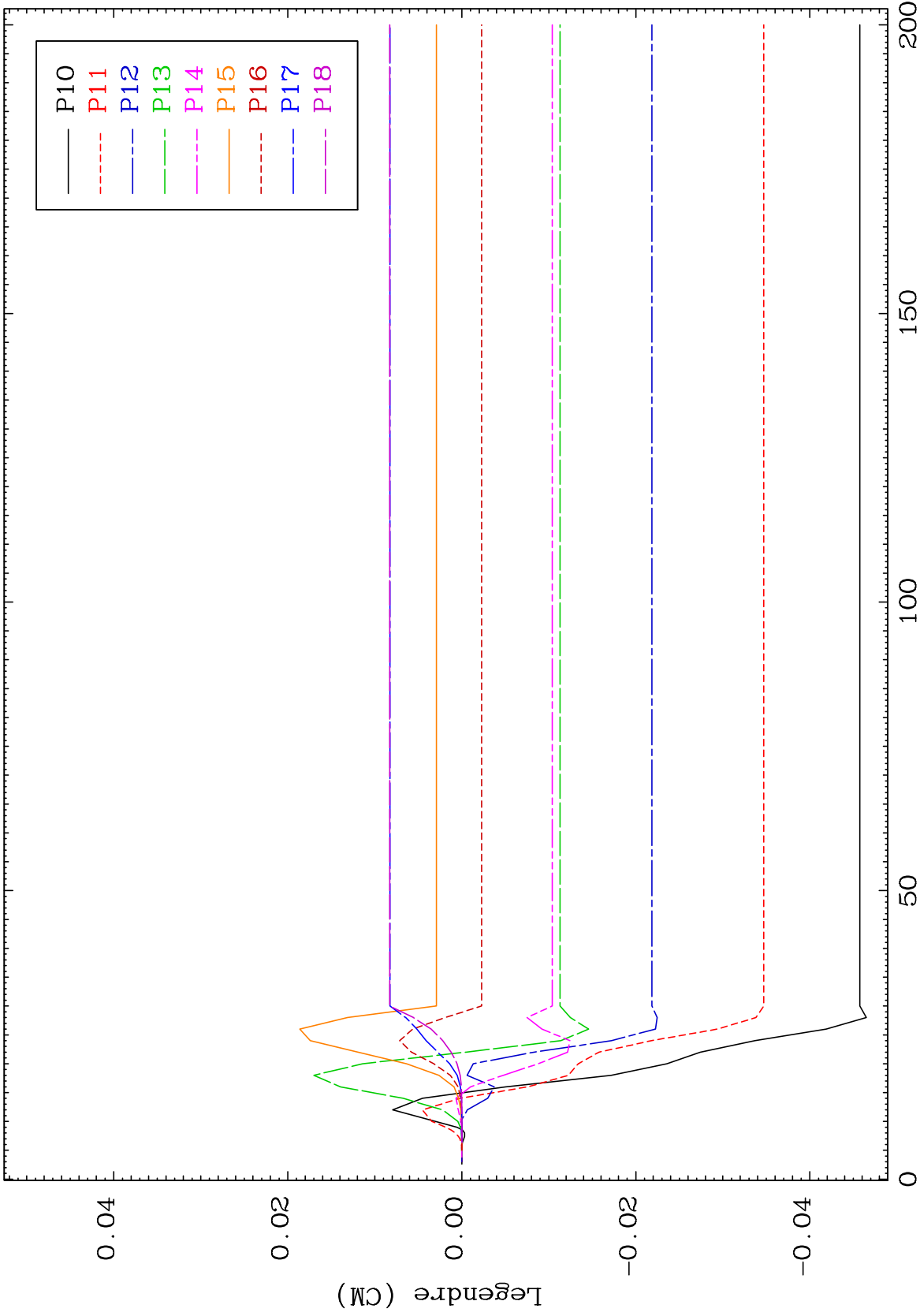
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

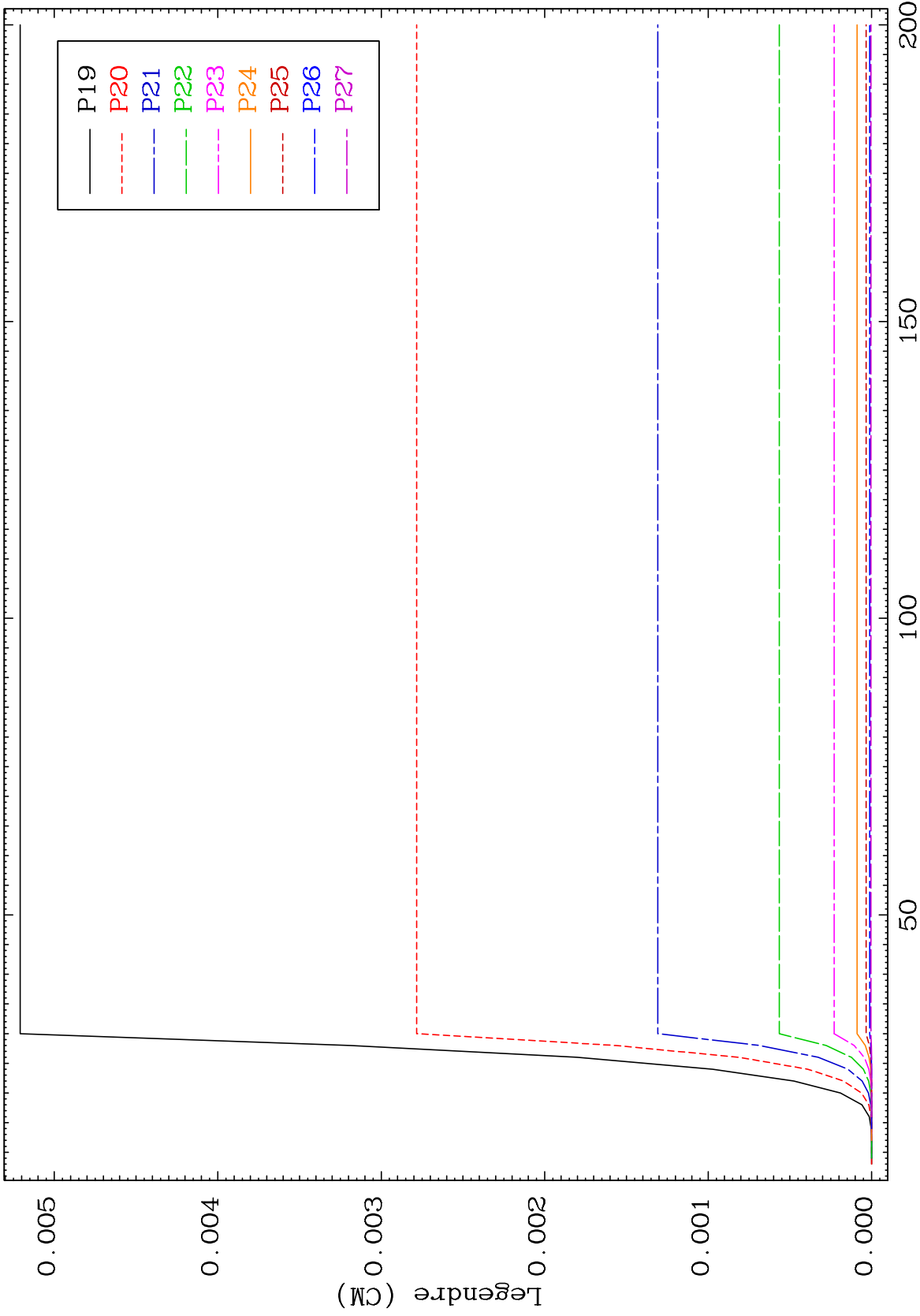
48-Cd-116



MAT 4855

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

48-Cd-116



74

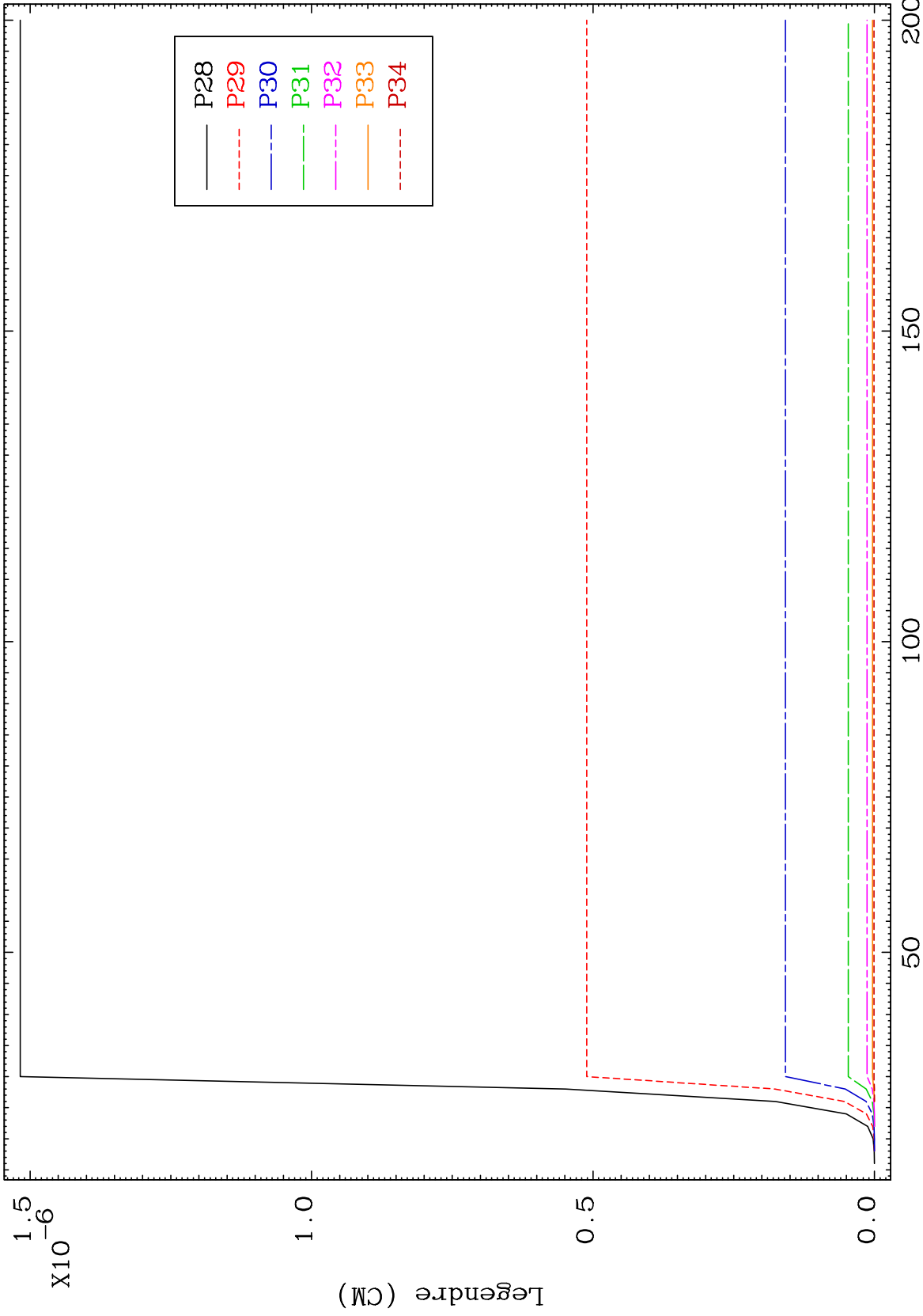
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



75

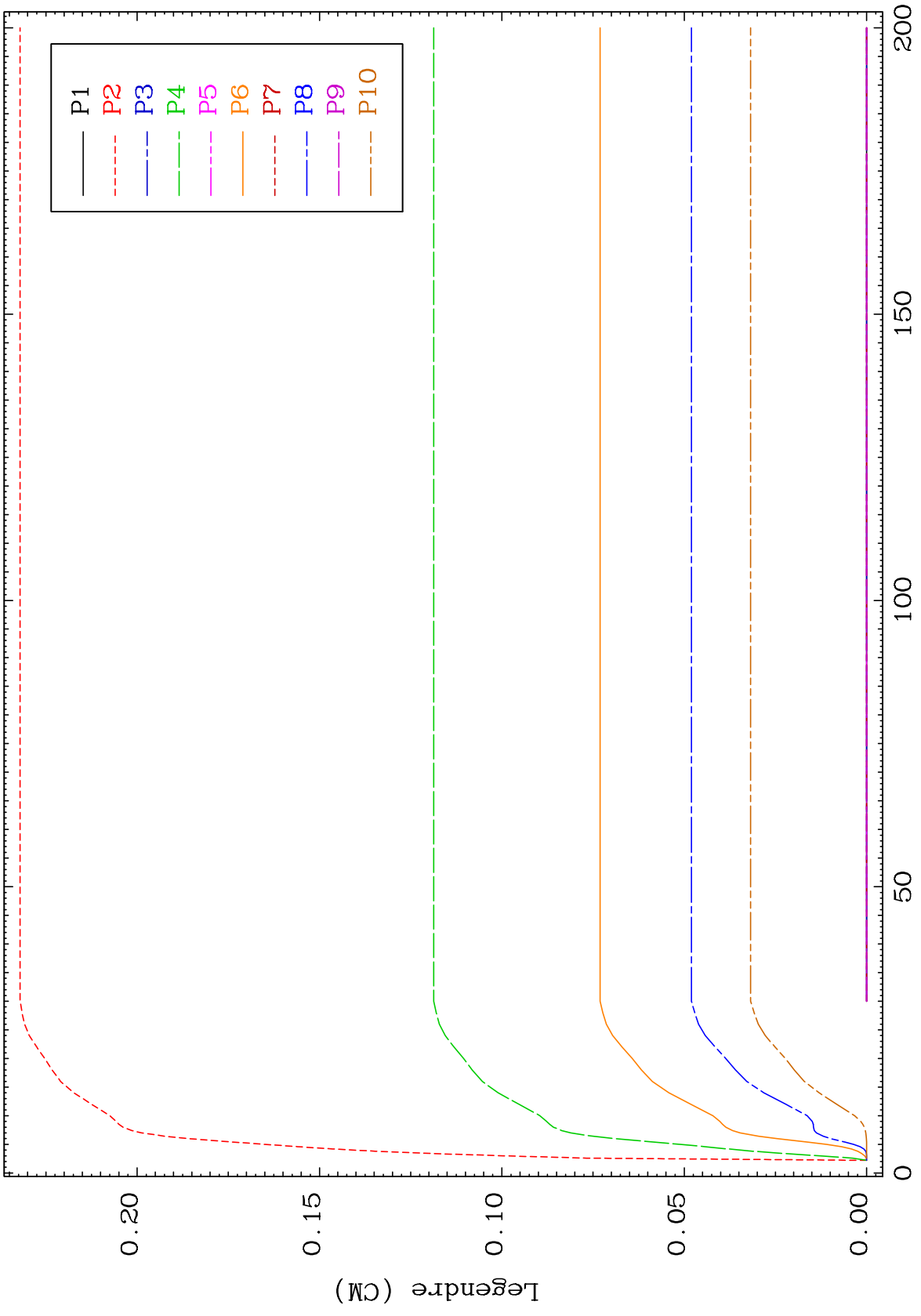
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116

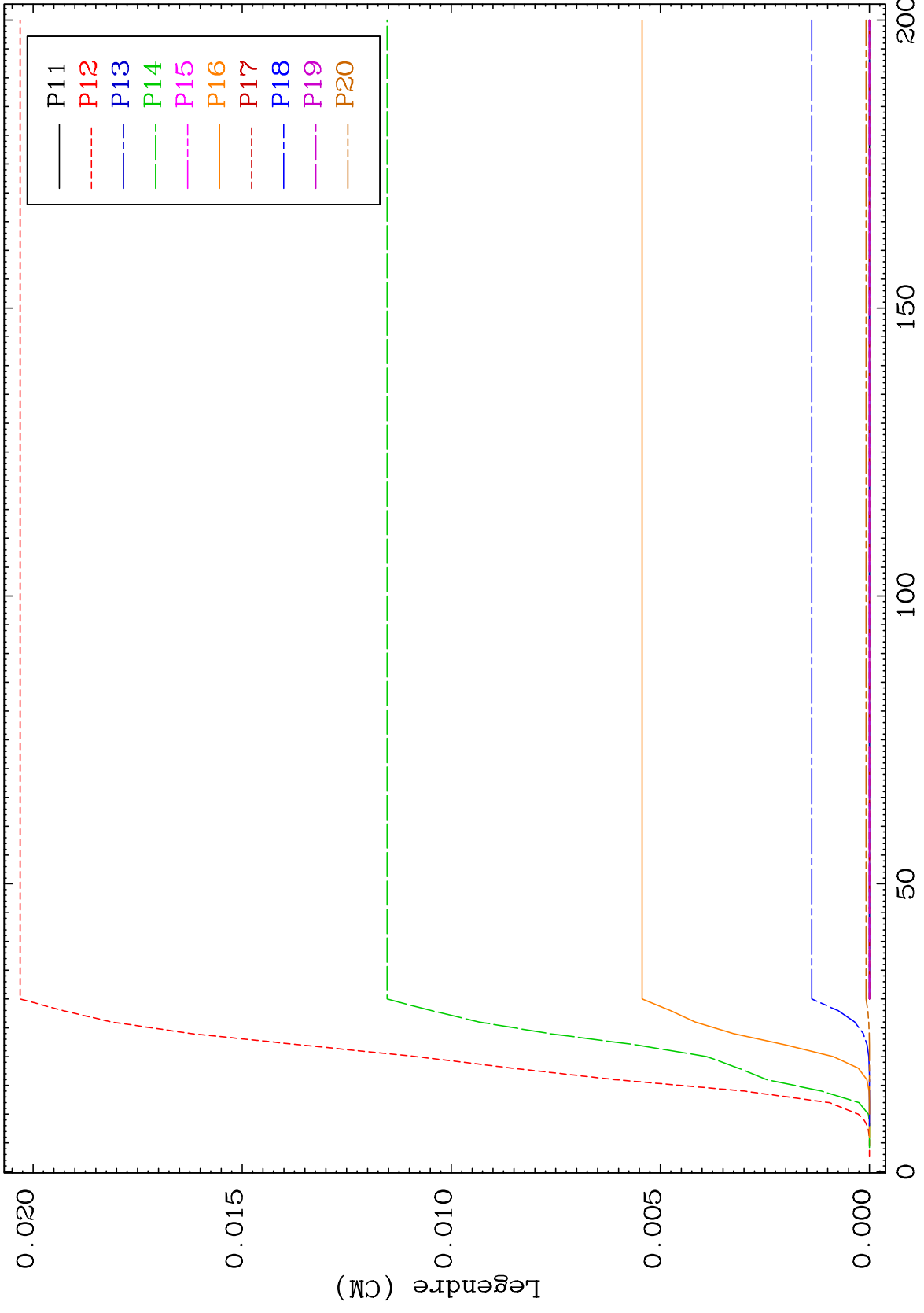


76

Incident Energy (MeV)

48-Cd-116

MAT 4855 MT= 66 (n,n') Level Legendre Coefficients 48-Cd-116

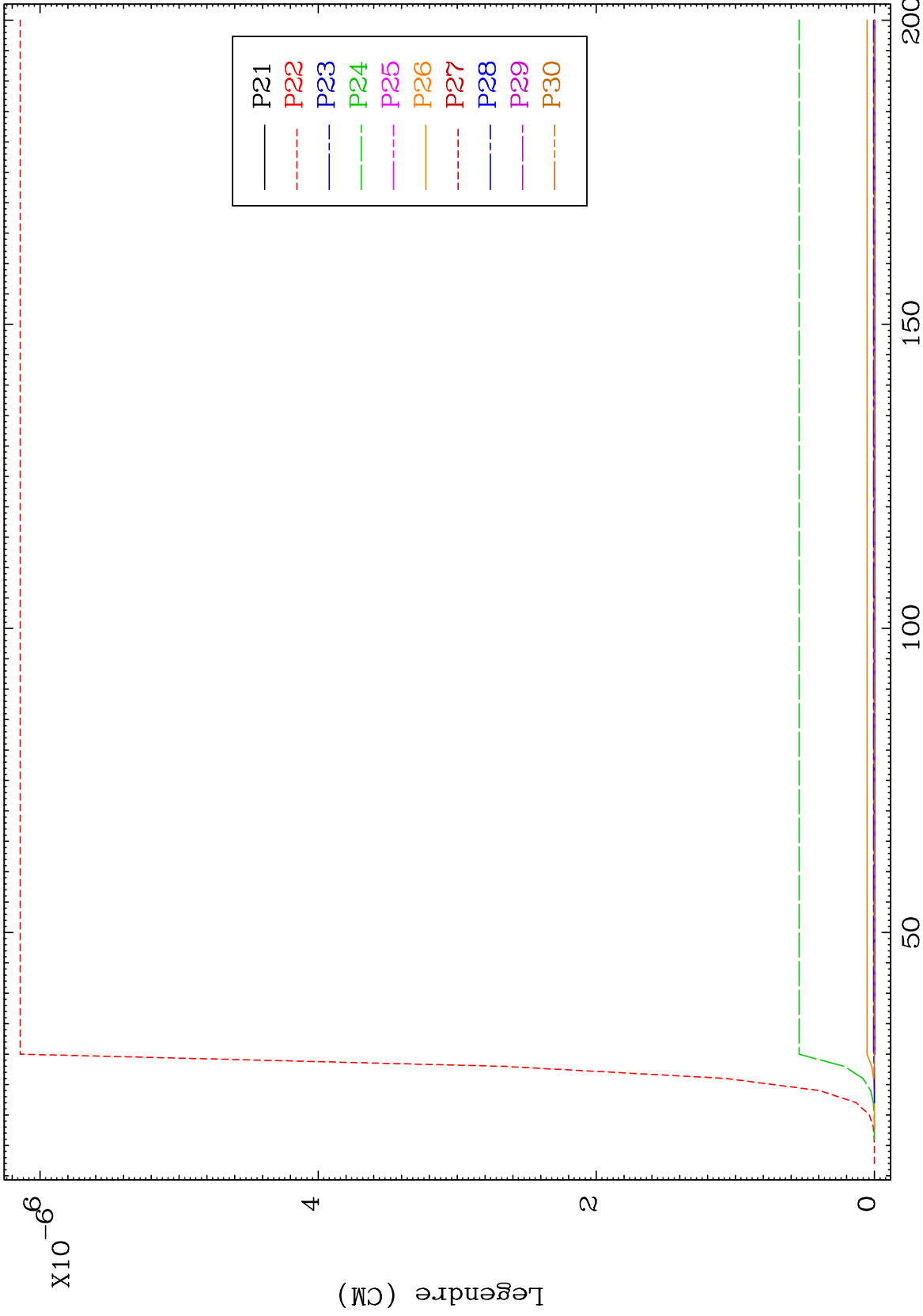


77 48-Cd-116

MAT 4855

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

48-Cd-116



78

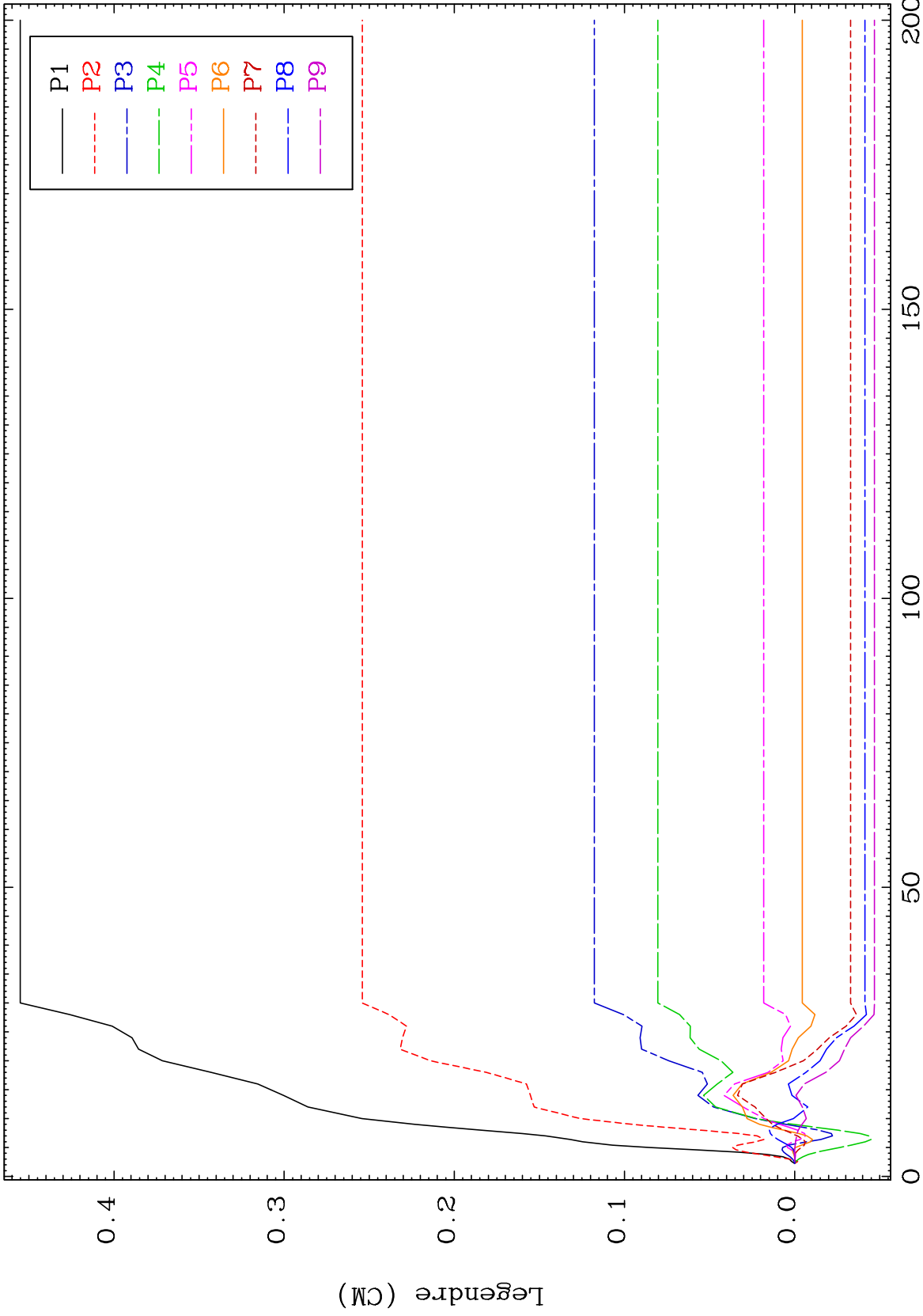
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



79

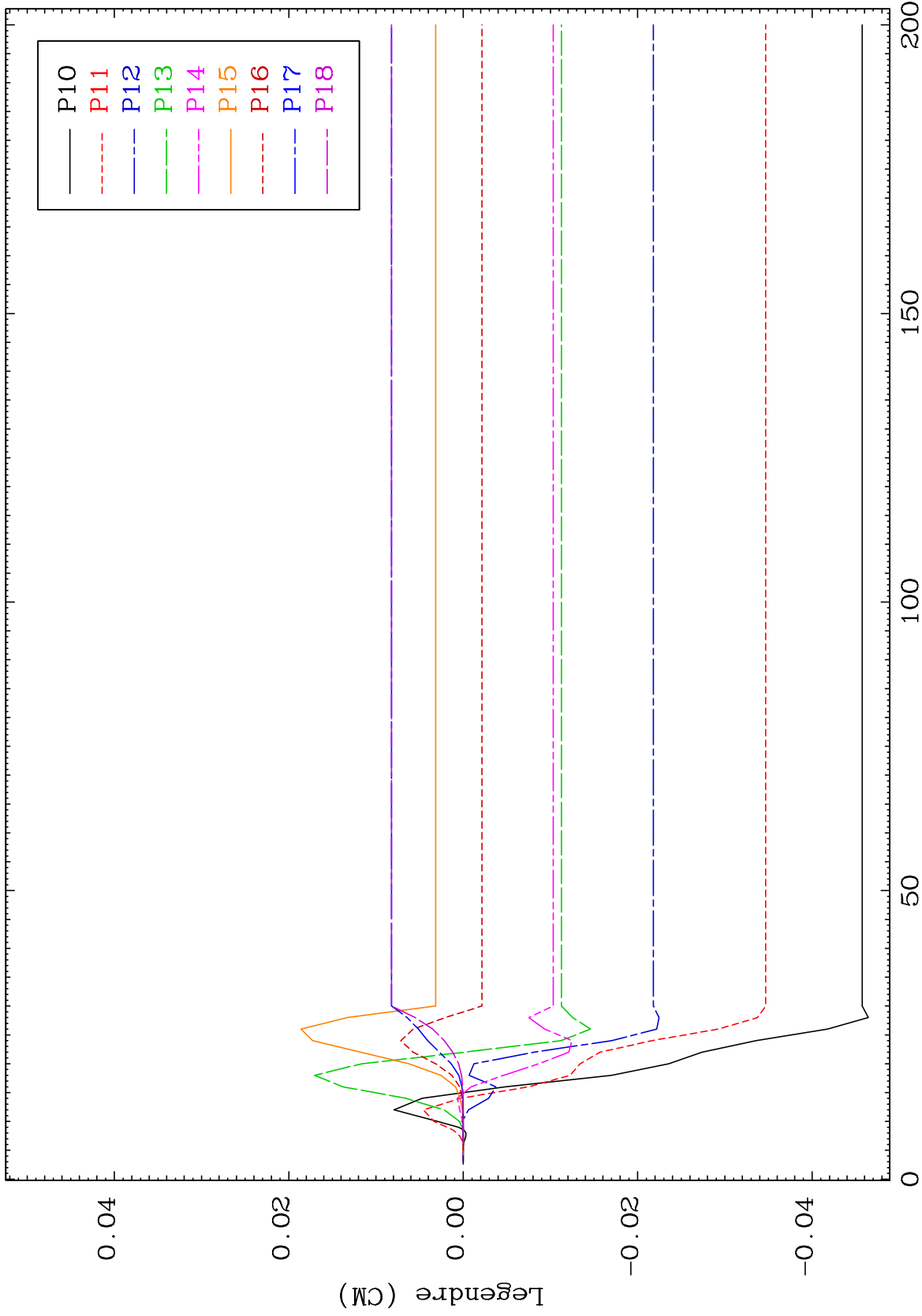
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



80

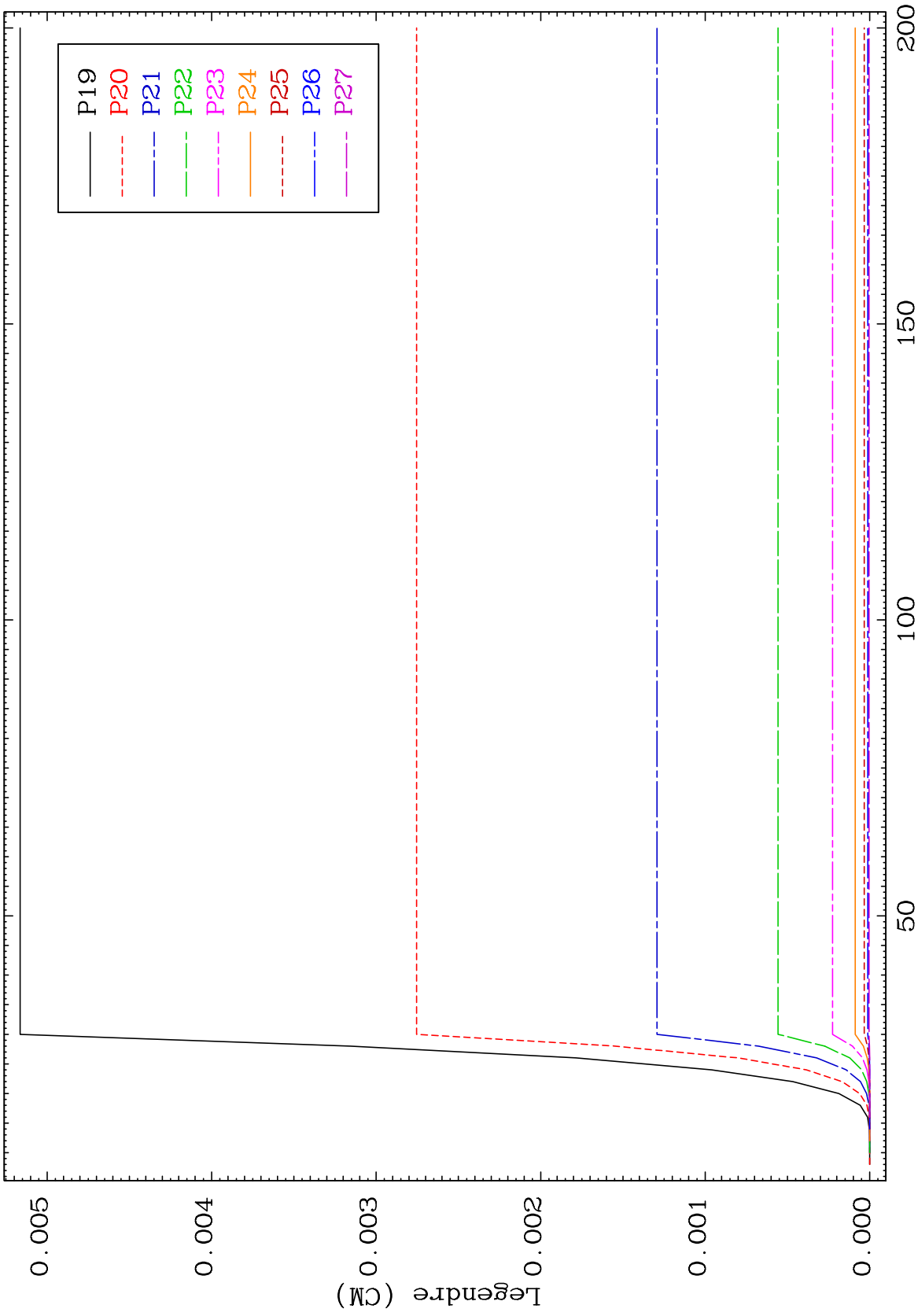
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



81

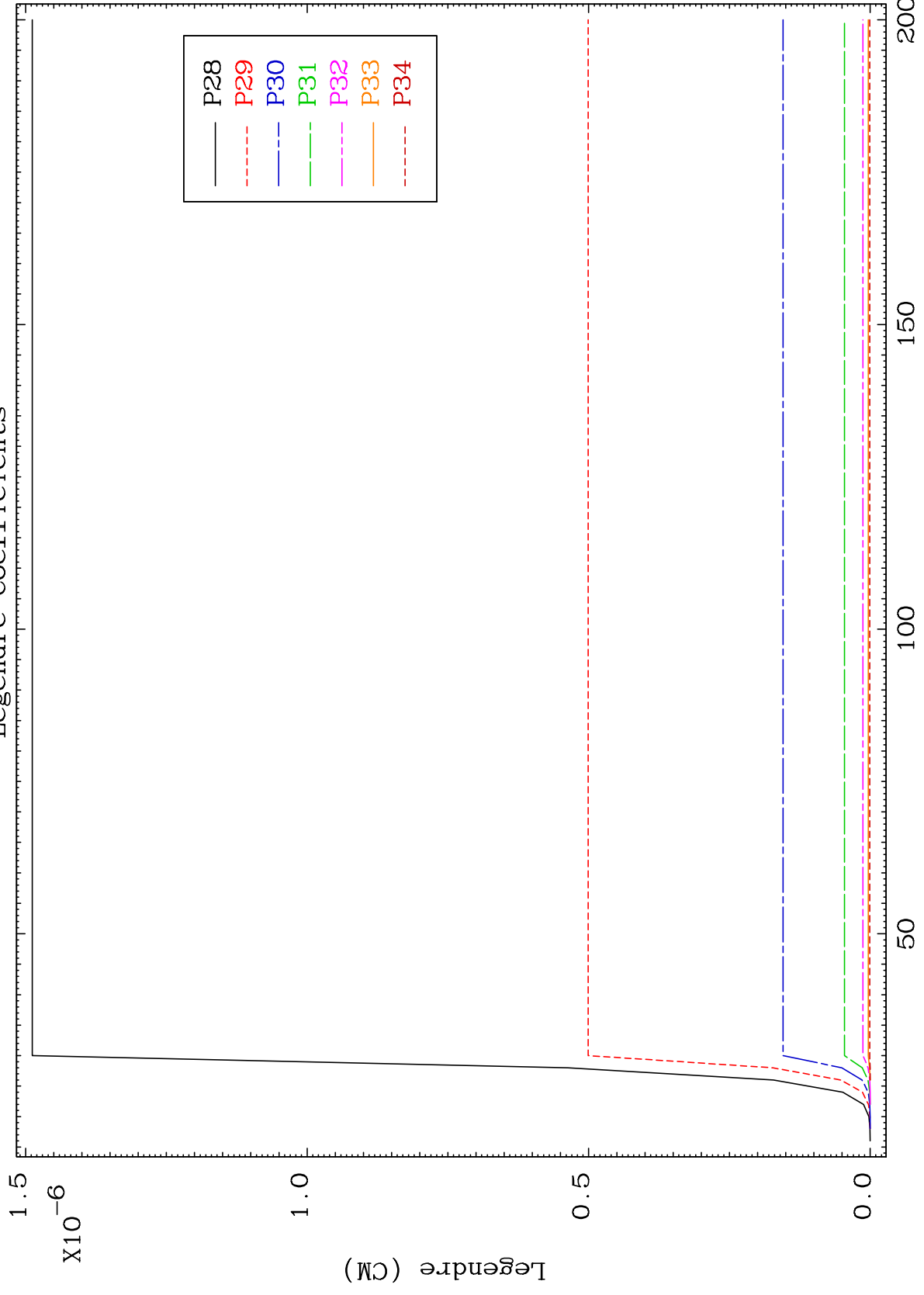
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



82

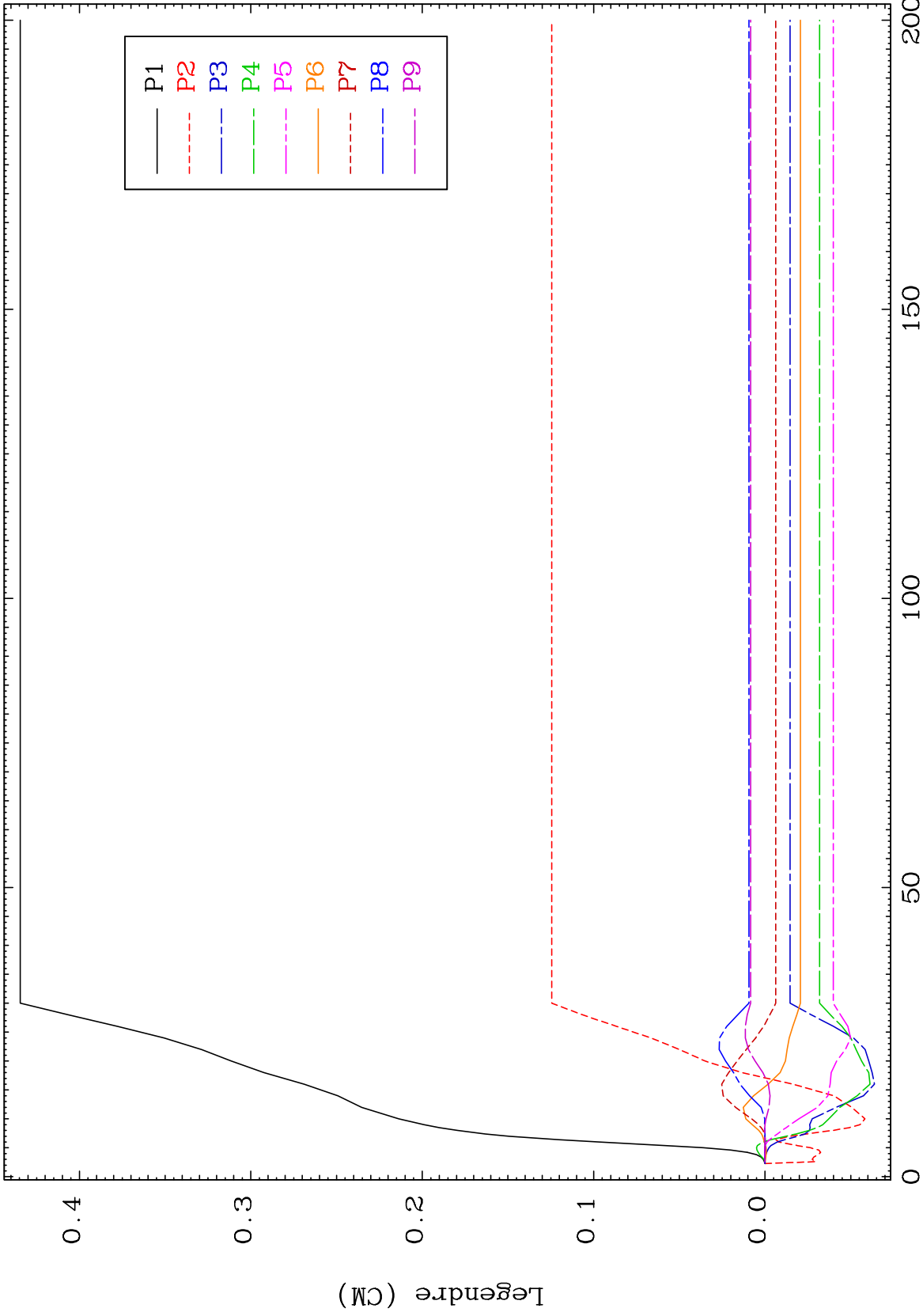
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



83

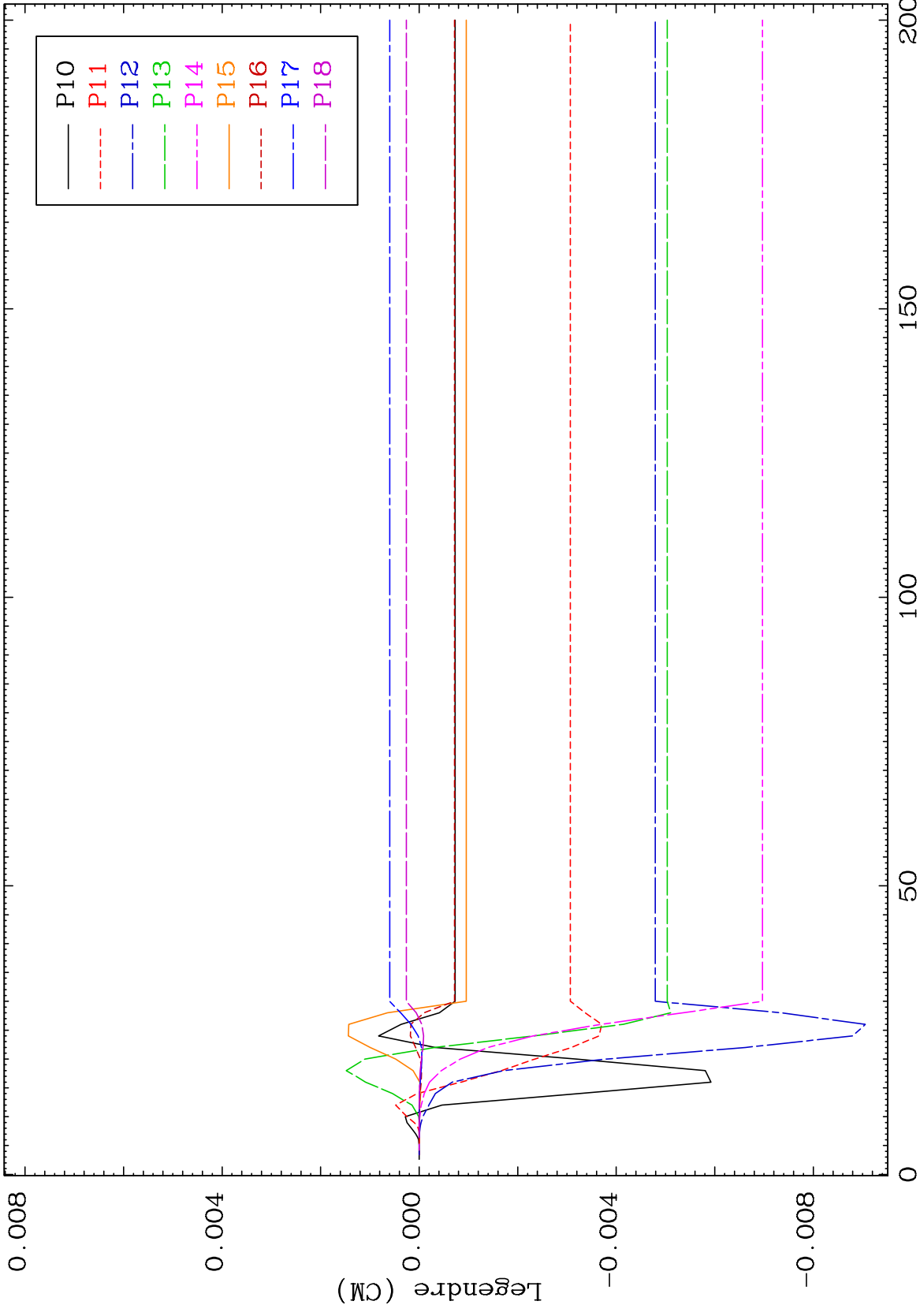
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



84

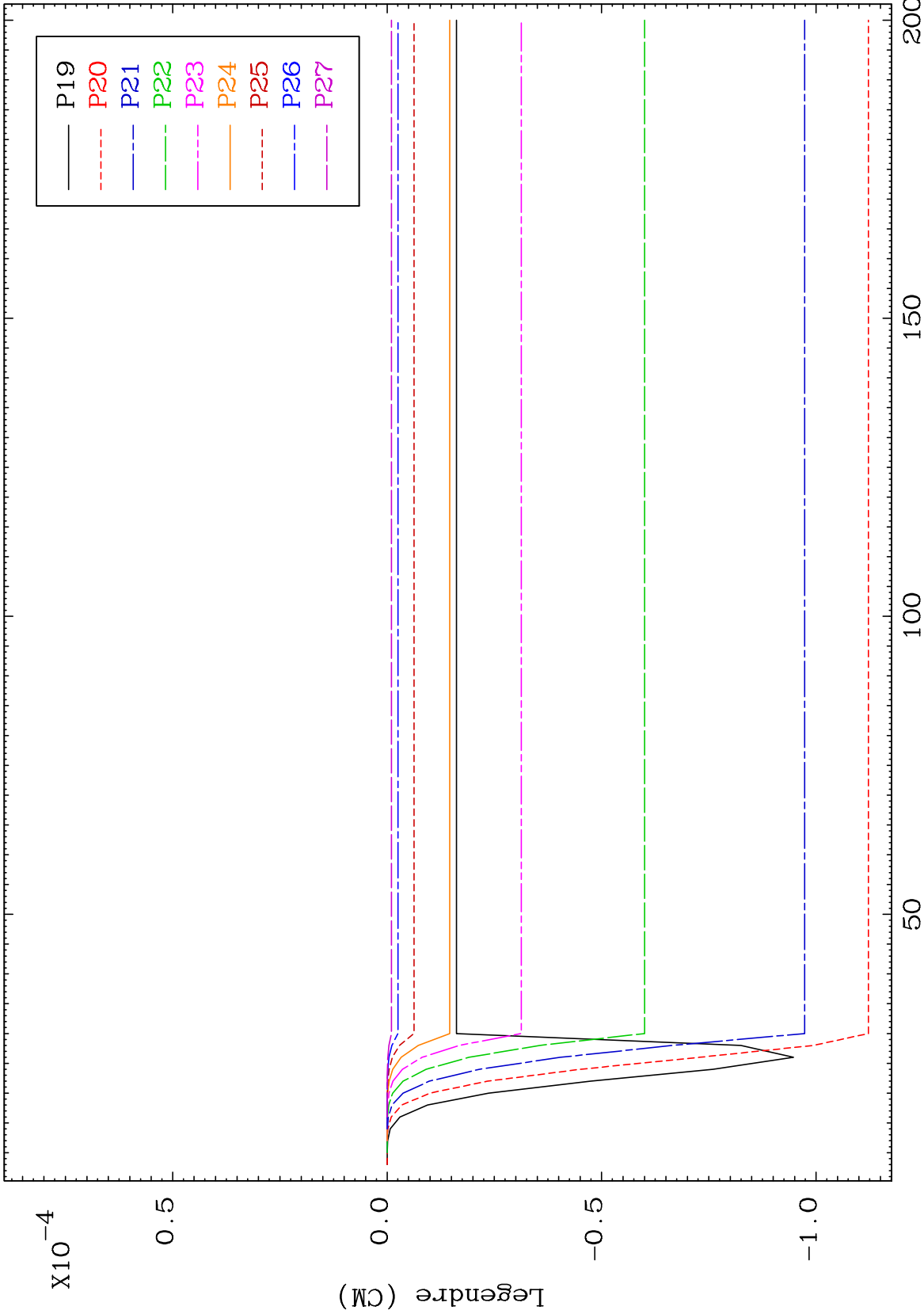
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



85

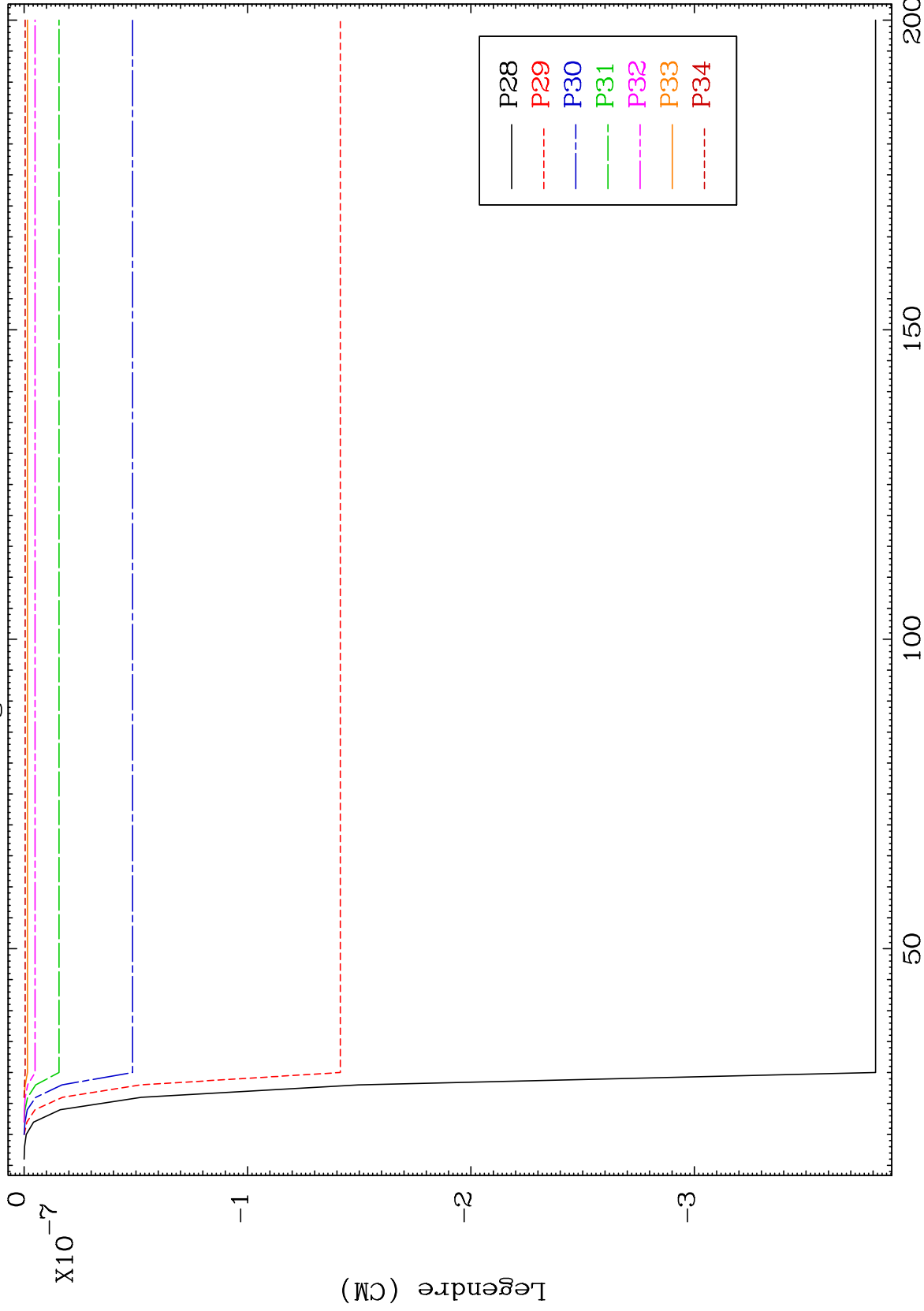
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



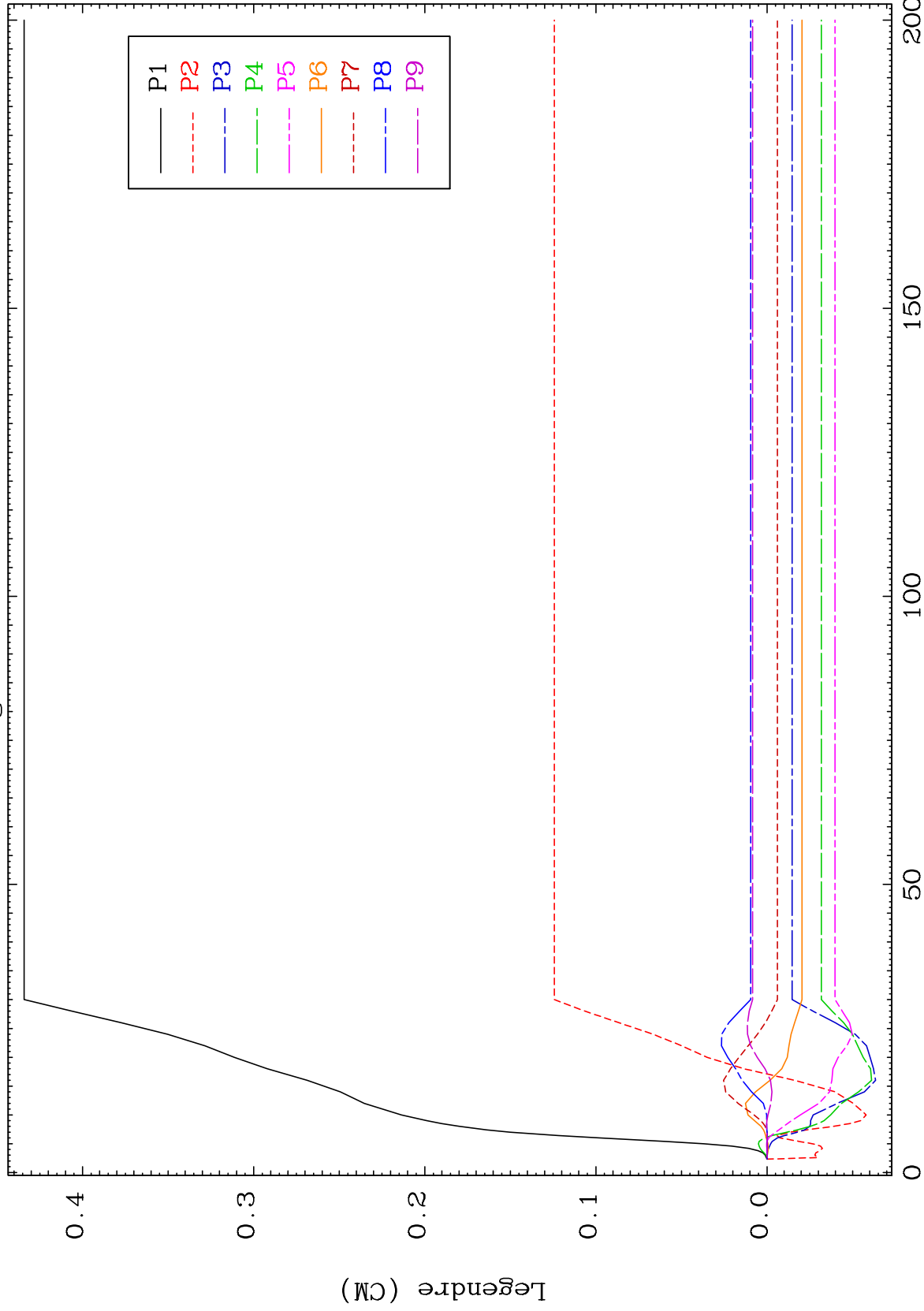
86

48-Cd-116

MAT 4855

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

48-Cd-116



87

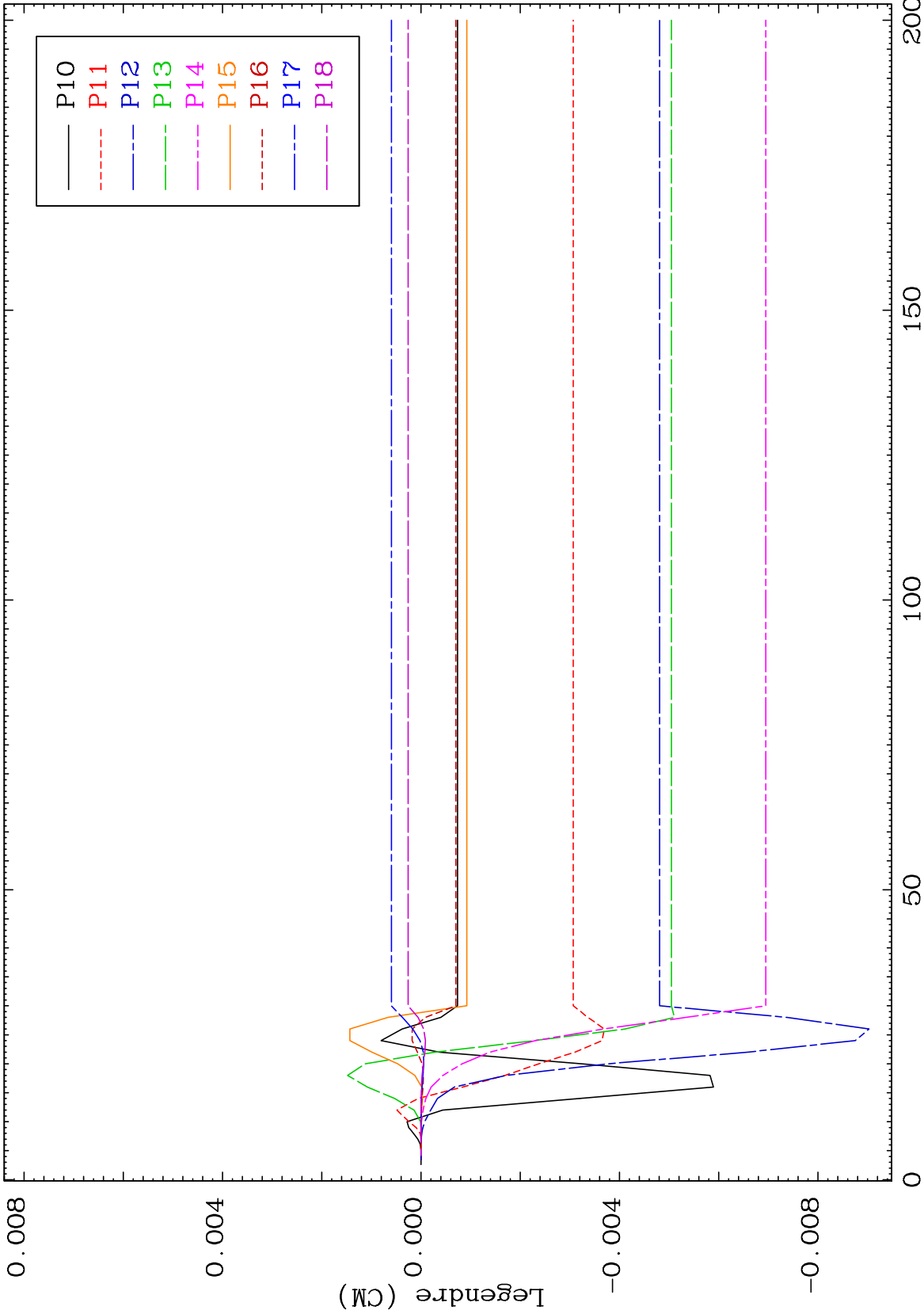
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



88

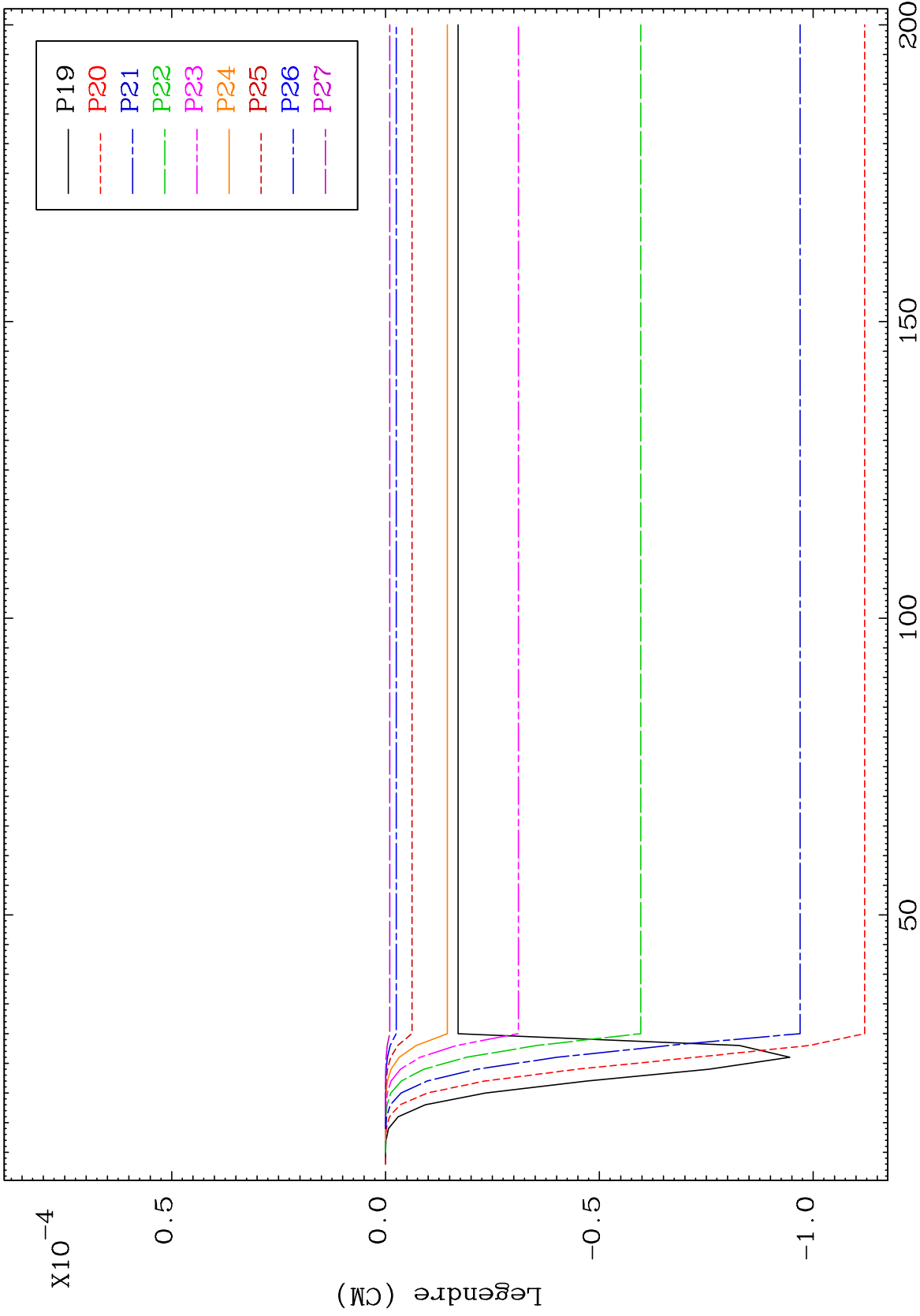
Incident Energy (MeV)

48-Cd-116

MAT 4855

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

48-Cd-116



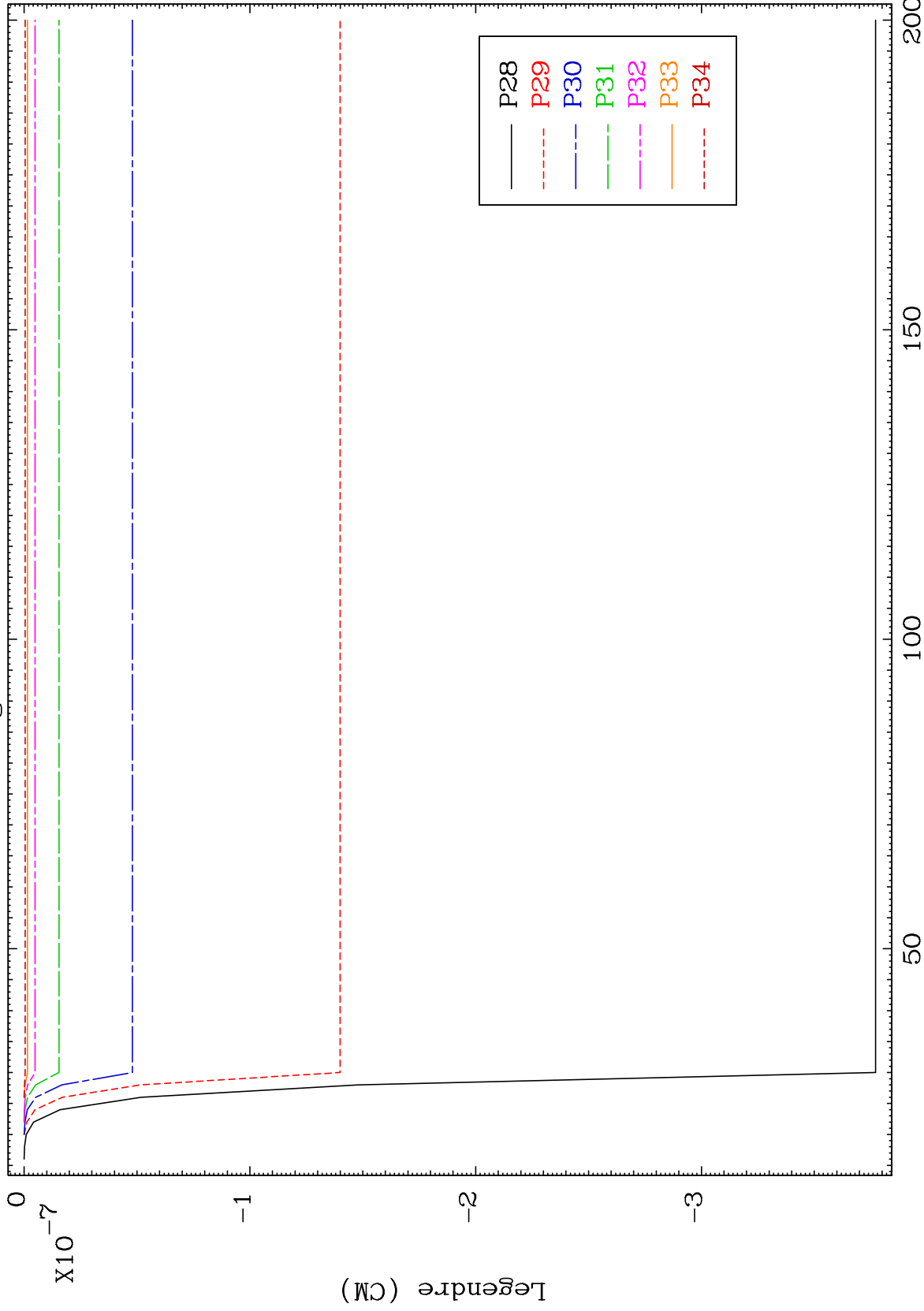
89

48-Cd-116

MAT 4855

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

48-Cd-116



48-Cd-116

Incident Energy (MeV)

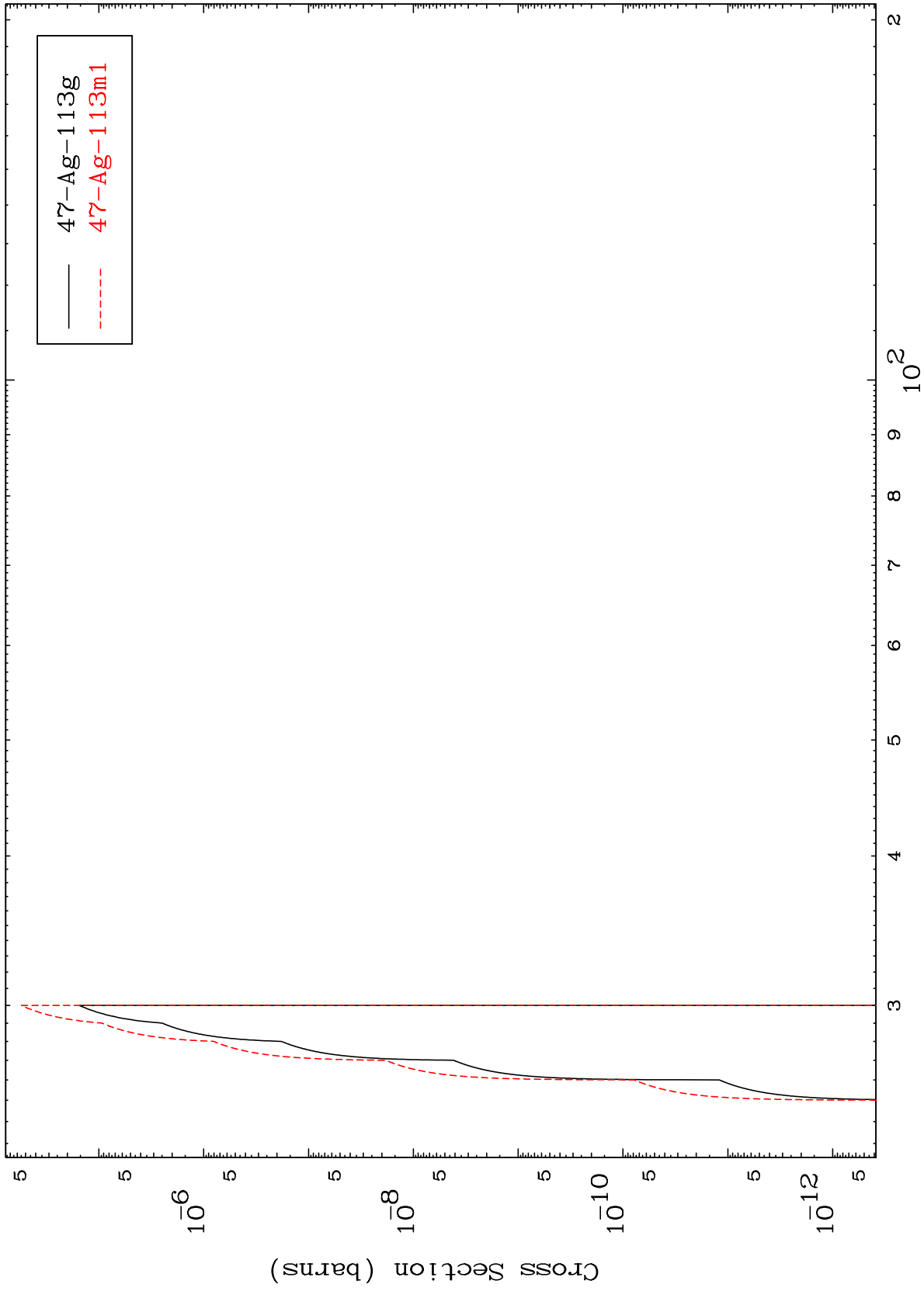
90

MAT 4855

(n,2n) d

48-Cd-116

Radionuclide Production Cross Section



91

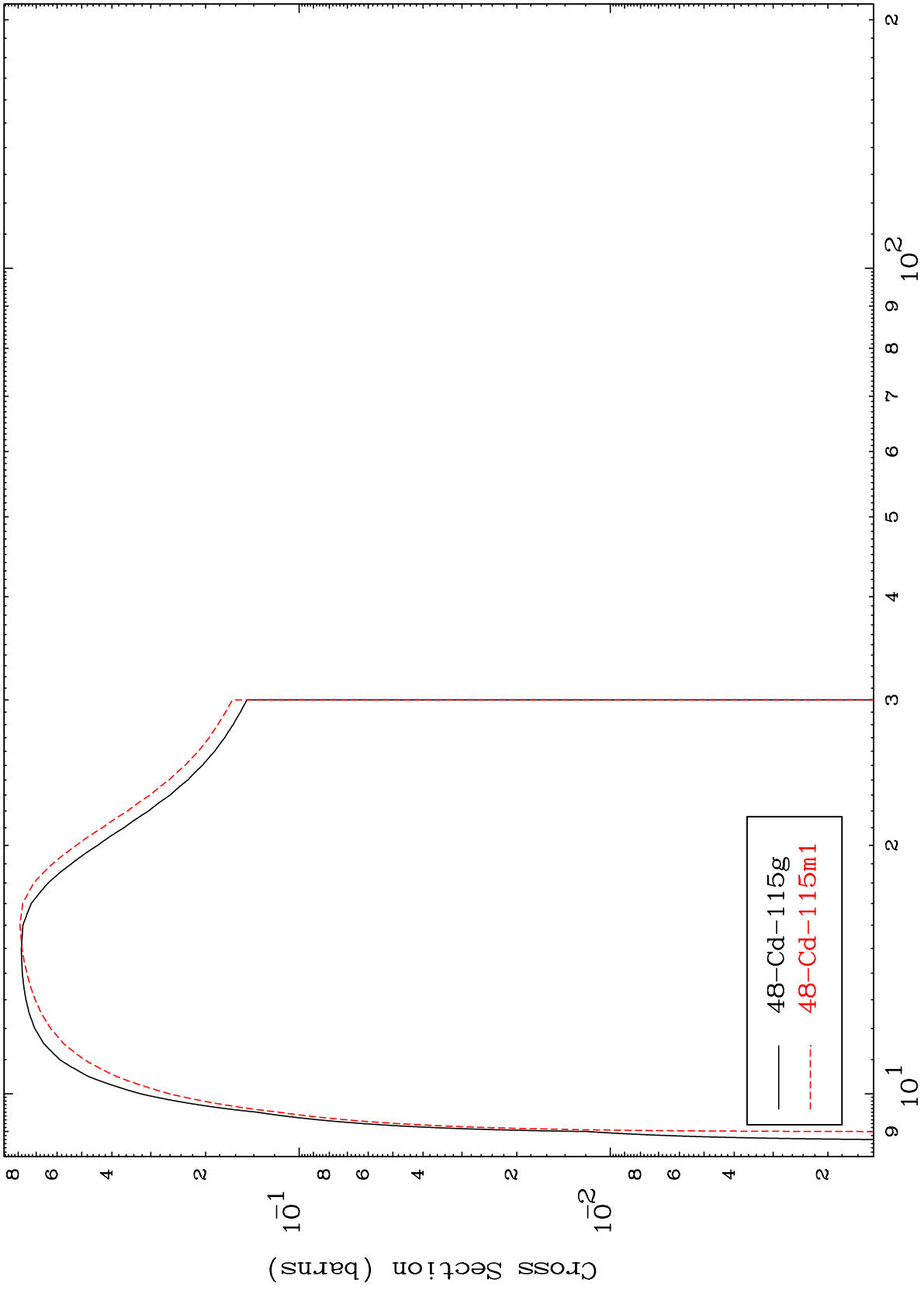
Incident Energy (MeV)

48-Cd-116

MAT 4855

48-Cd-116

(n,2n)  
Radionuclide Production Cross Section



92

Incident Energy (MeV)

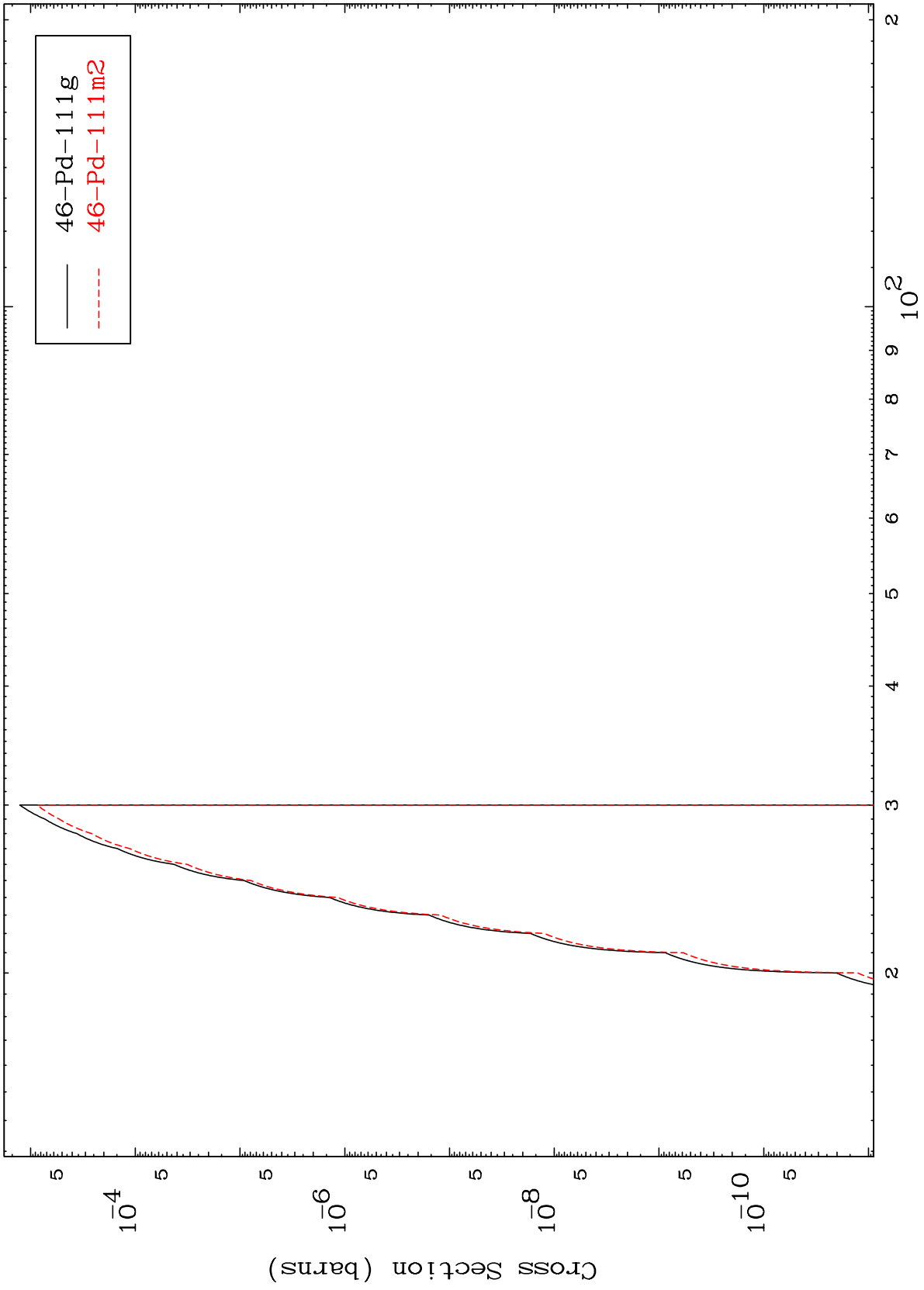
48-Cd-116

MAT 4855

(n,2n)  $\alpha$

48-Cd-116

Radionuclide Production Cross Section



93

Incident Energy (MeV)

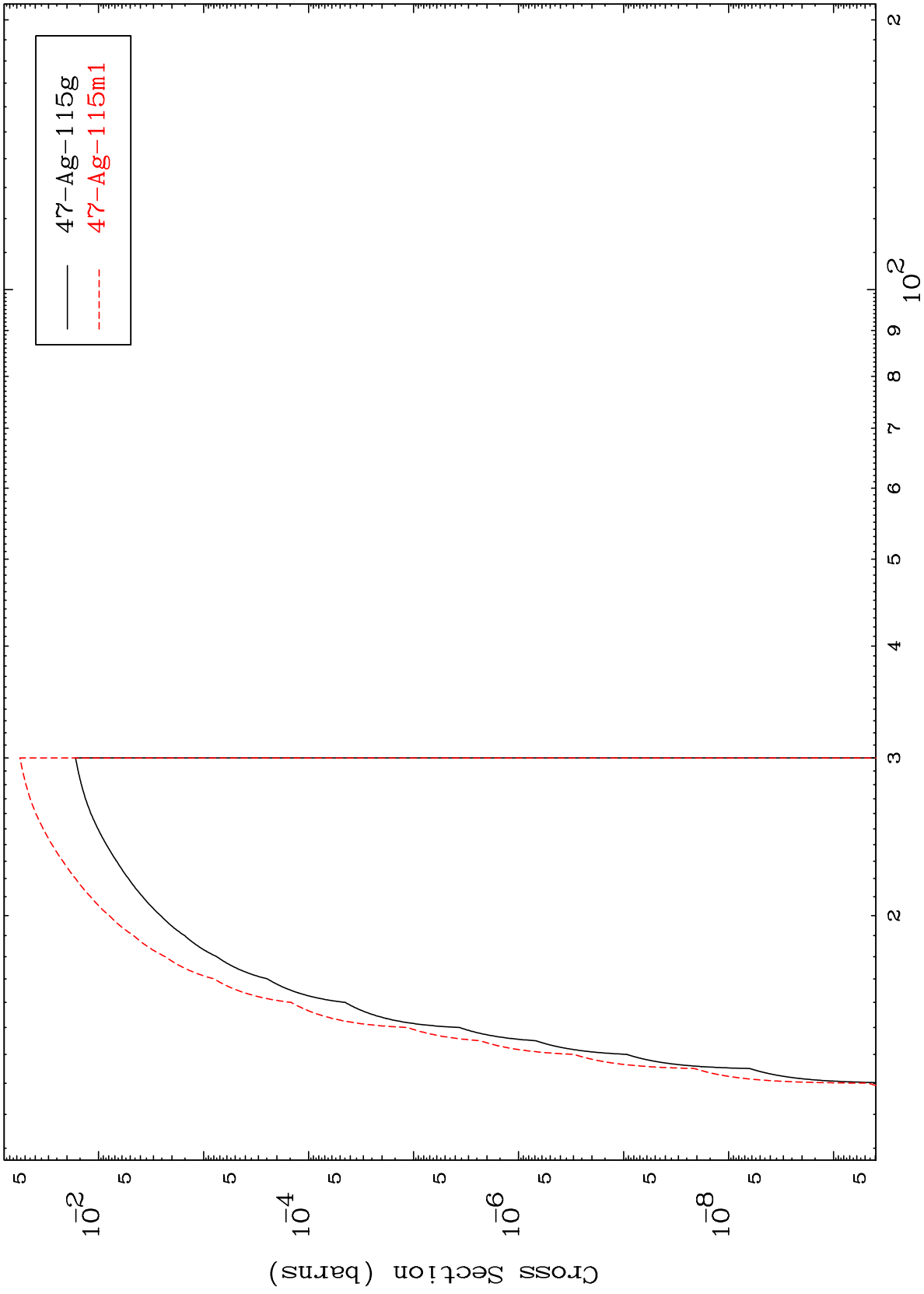
48-Cd-116

MAT 4855

(n,n') p

48-Cd-116

Radionuclide Production Cross Section



94

Incident Energy (MeV)

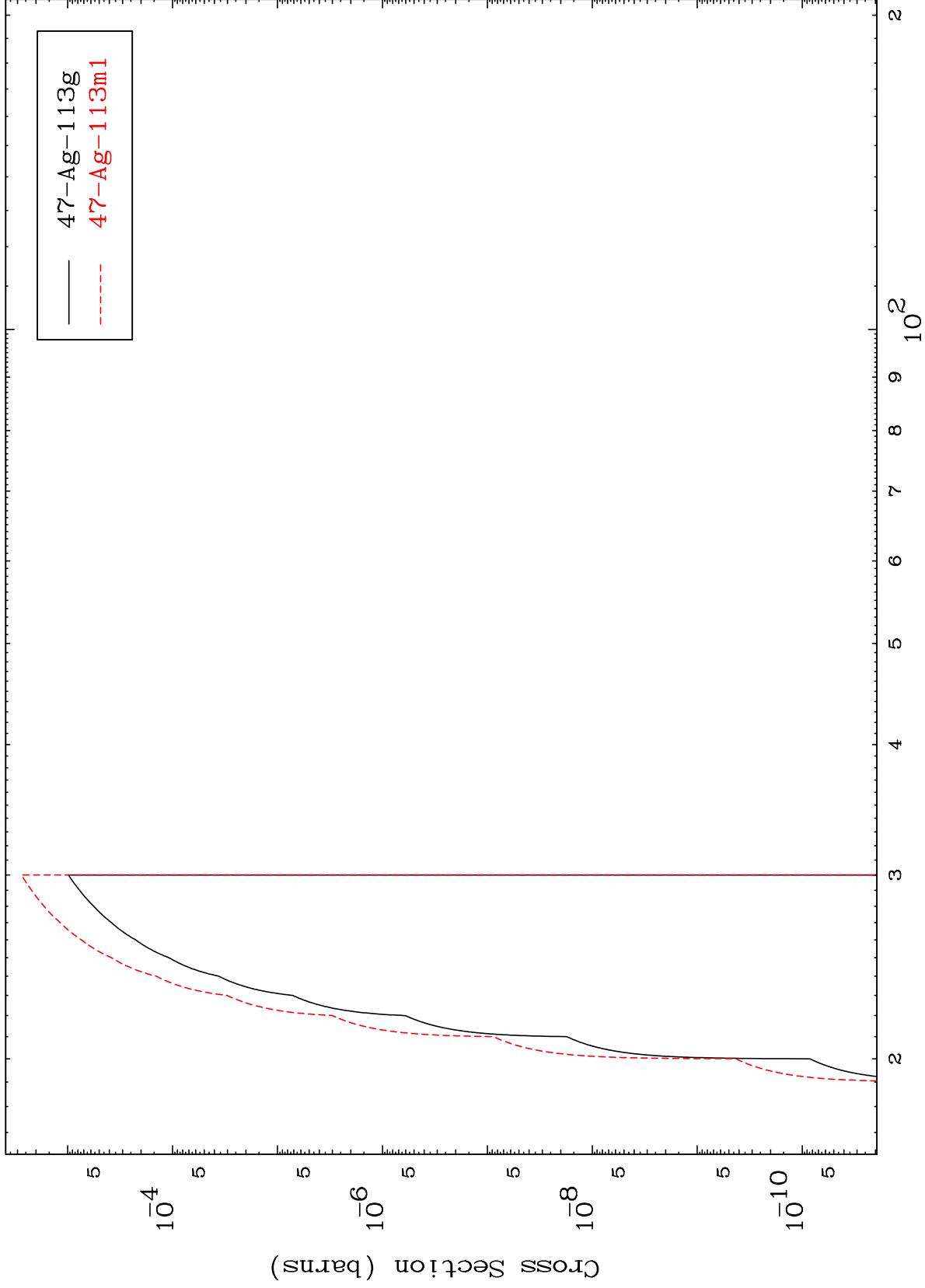
48-Cd-116

MAT 4855

(n,n') t

48-Cd-116

Radionuclide Production Cross Section



95

Incident Energy (MeV)

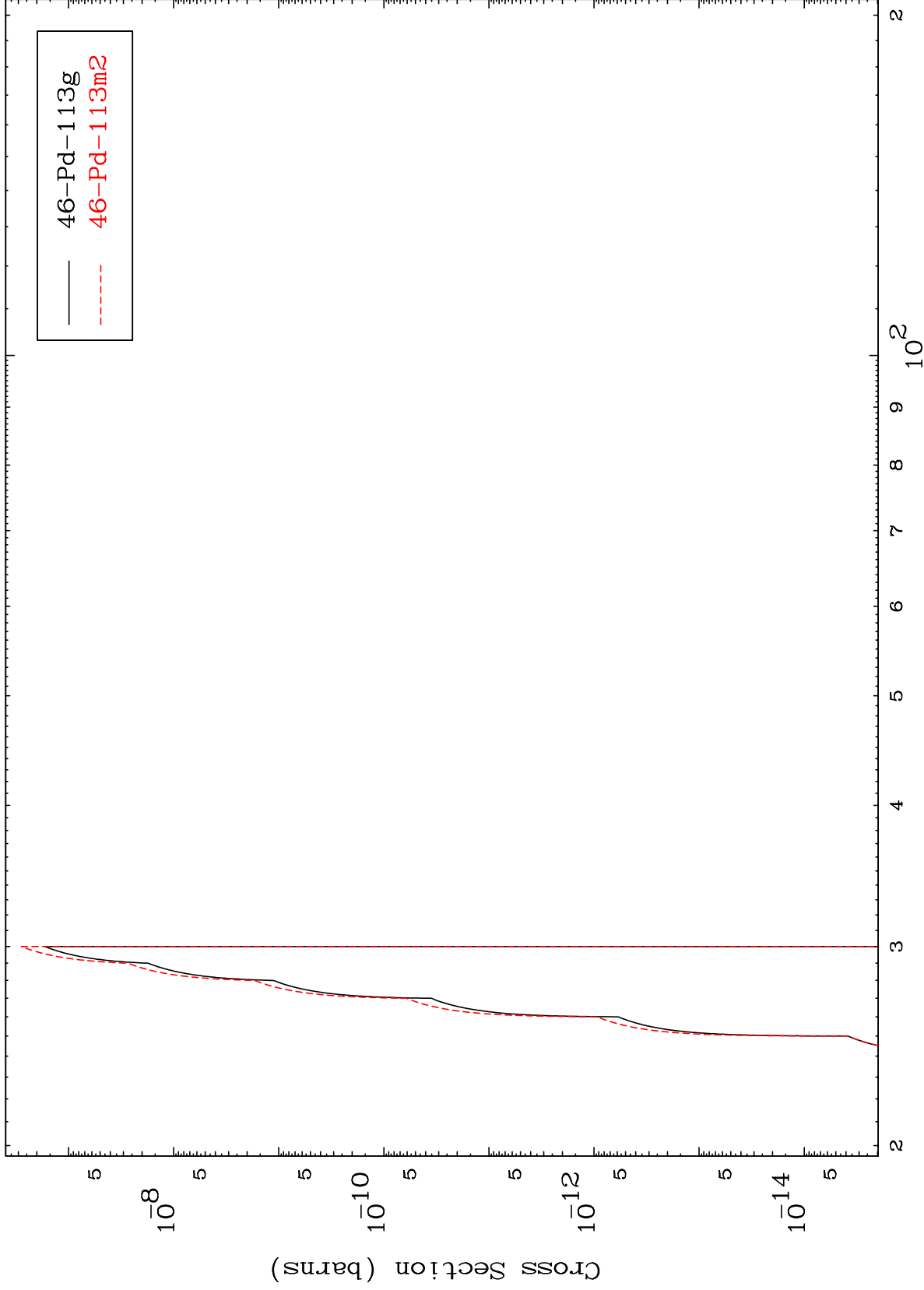
48-Cd-116

MAT 4855

(n, n') He-3

48-Cd-116

Radionuclide Production Cross Section



96

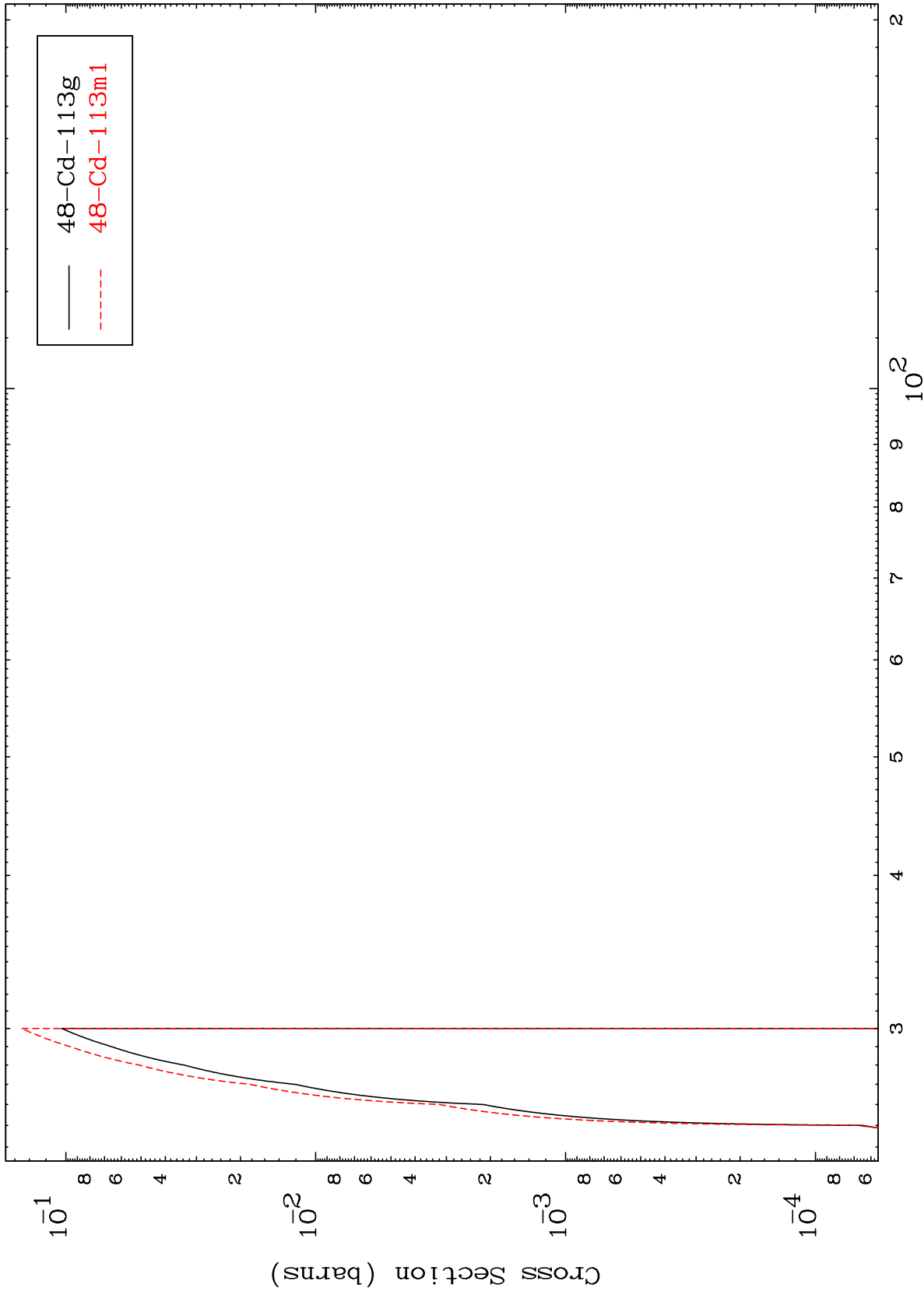
Incident Energy (MeV)

48-Cd-116

MAT 4855

48-Cd-116

(n,4n)  
Radionuclide Production Cross Section



97

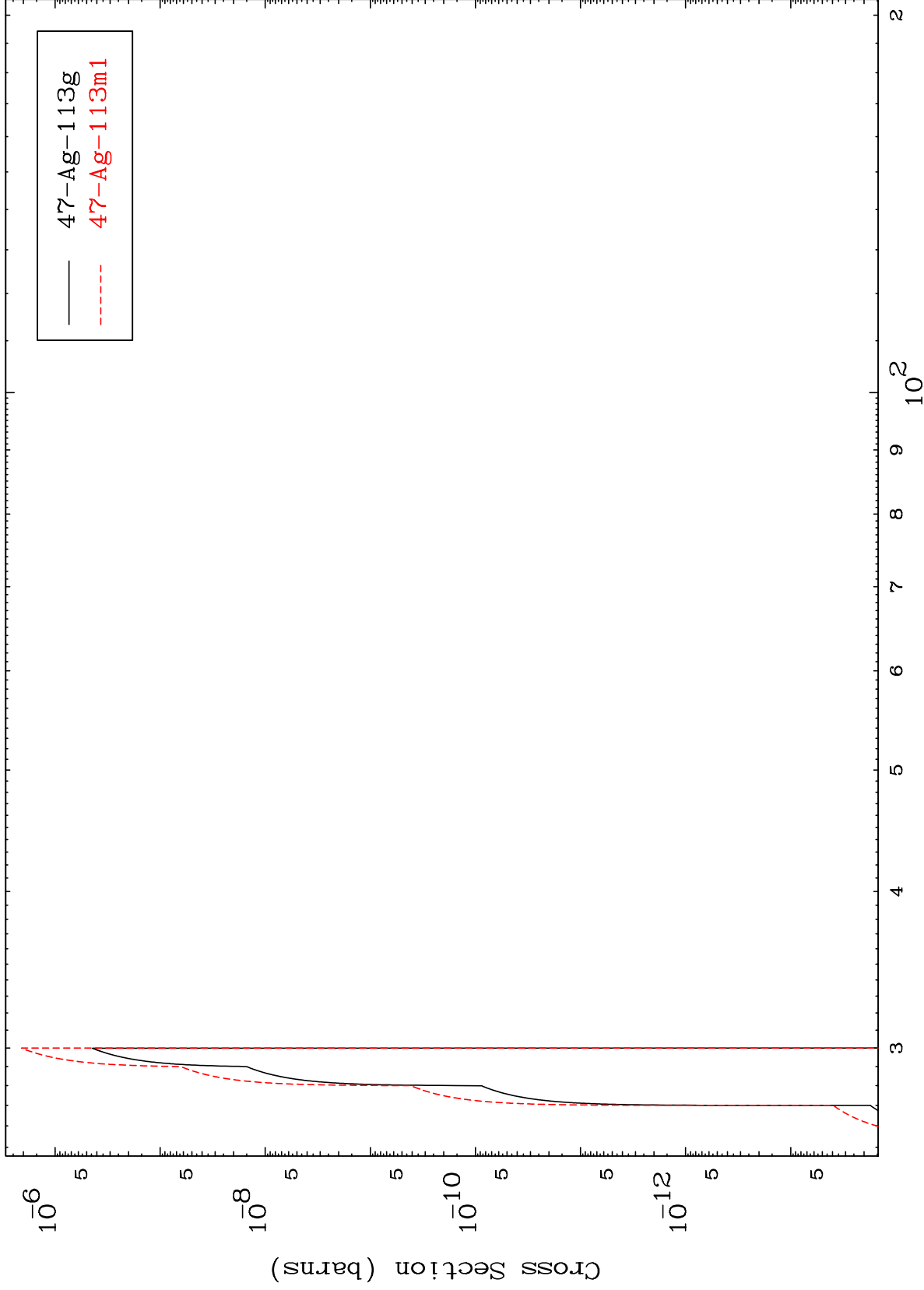
48-Cd-116

MAT 4855

(n,3n) p

48-Cd-116

Radionuclide Production Cross Section



98

Incident Energy (MeV)

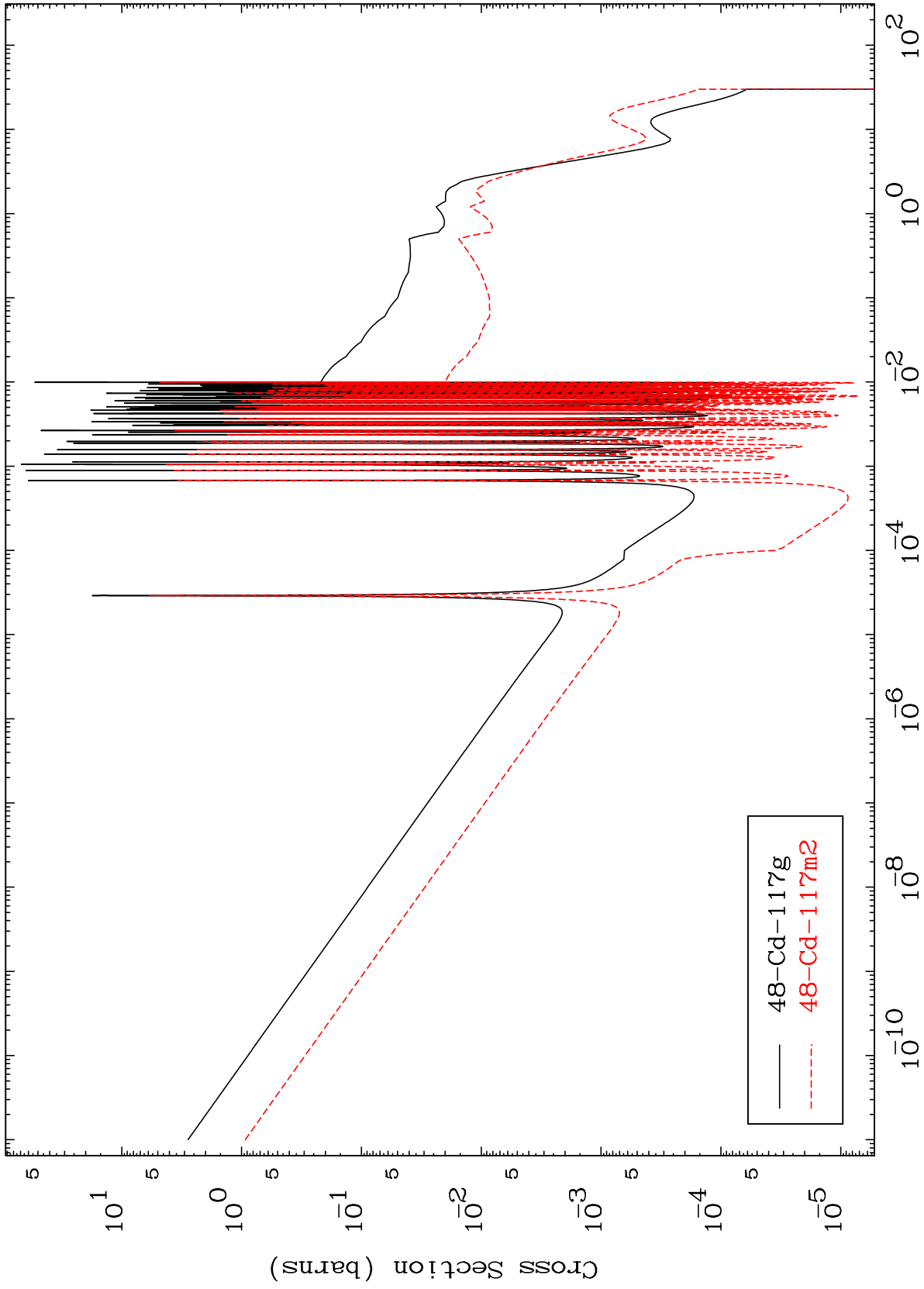
48-Cd-116

MAT 4855

(n,γ)

48-Cd-116

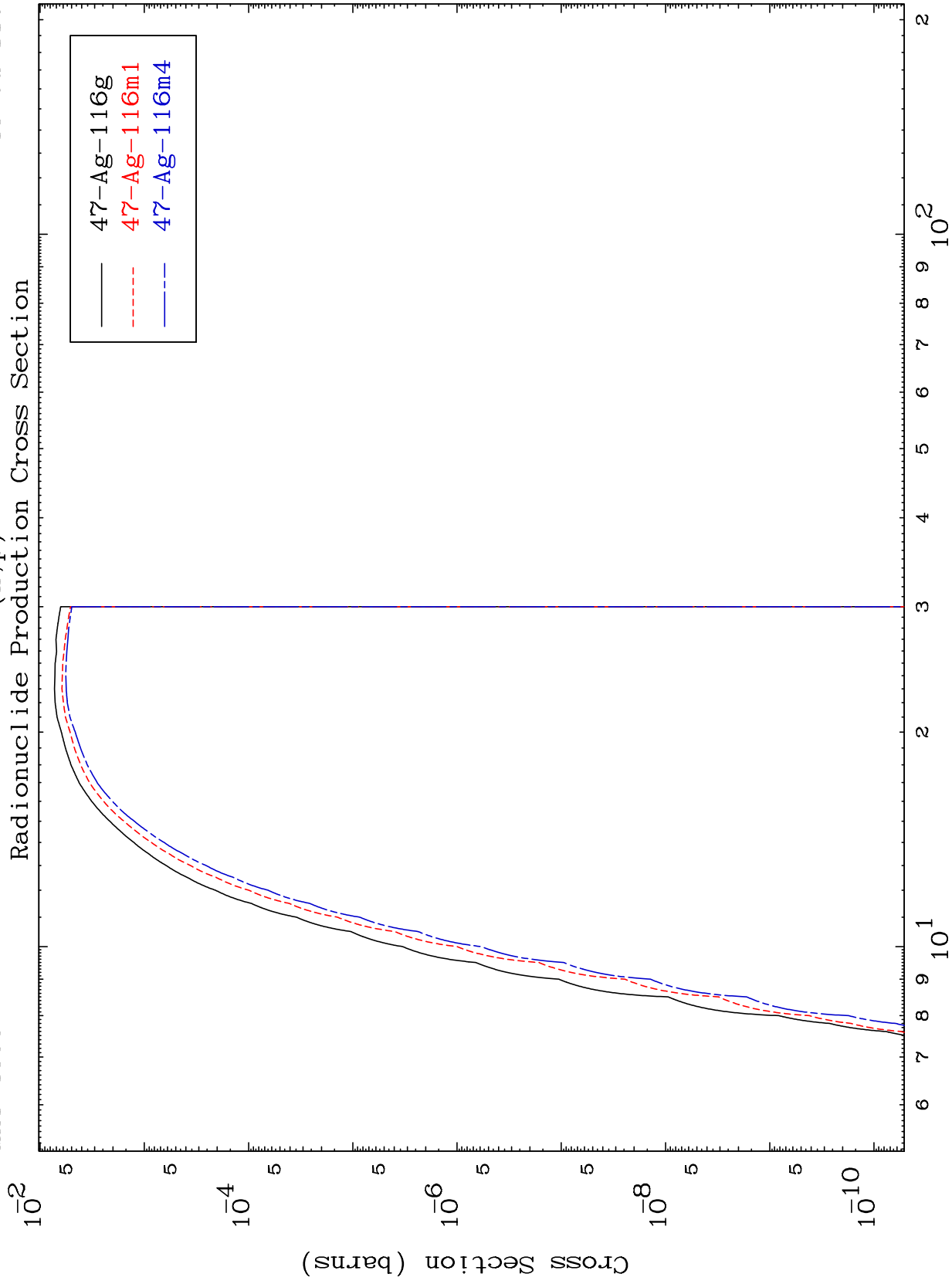
Radionuclide Production Cross Section



MAT 4855

48-Cd-116

(n,p)  
Radionuclide Production Cross Section



100

Incident Energy (MeV)

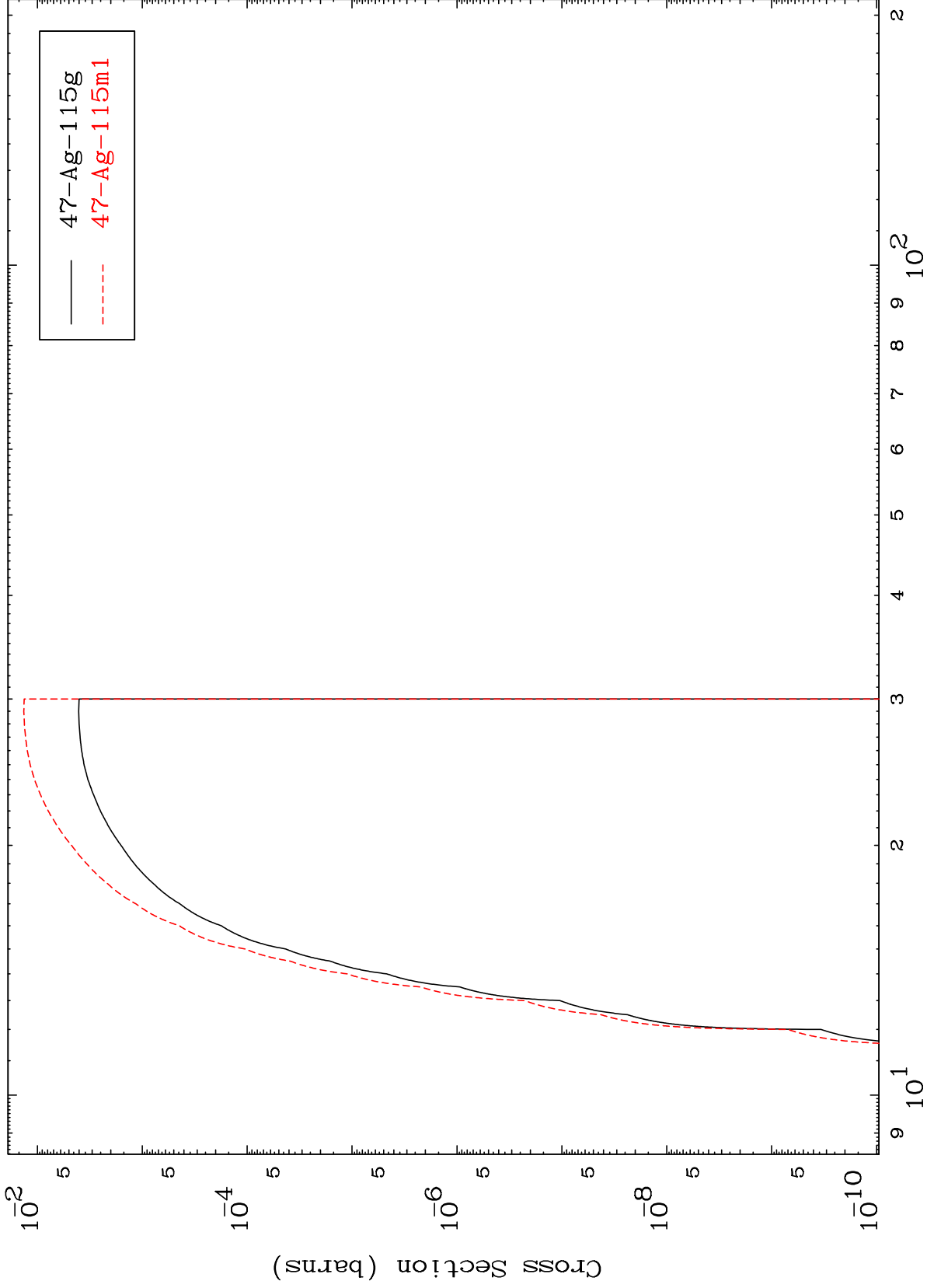
48-Cd-116

MAT 4855

(n,d)

48-Cd-116

Radionuclide Production Cross Section



Incident Energy (MeV)

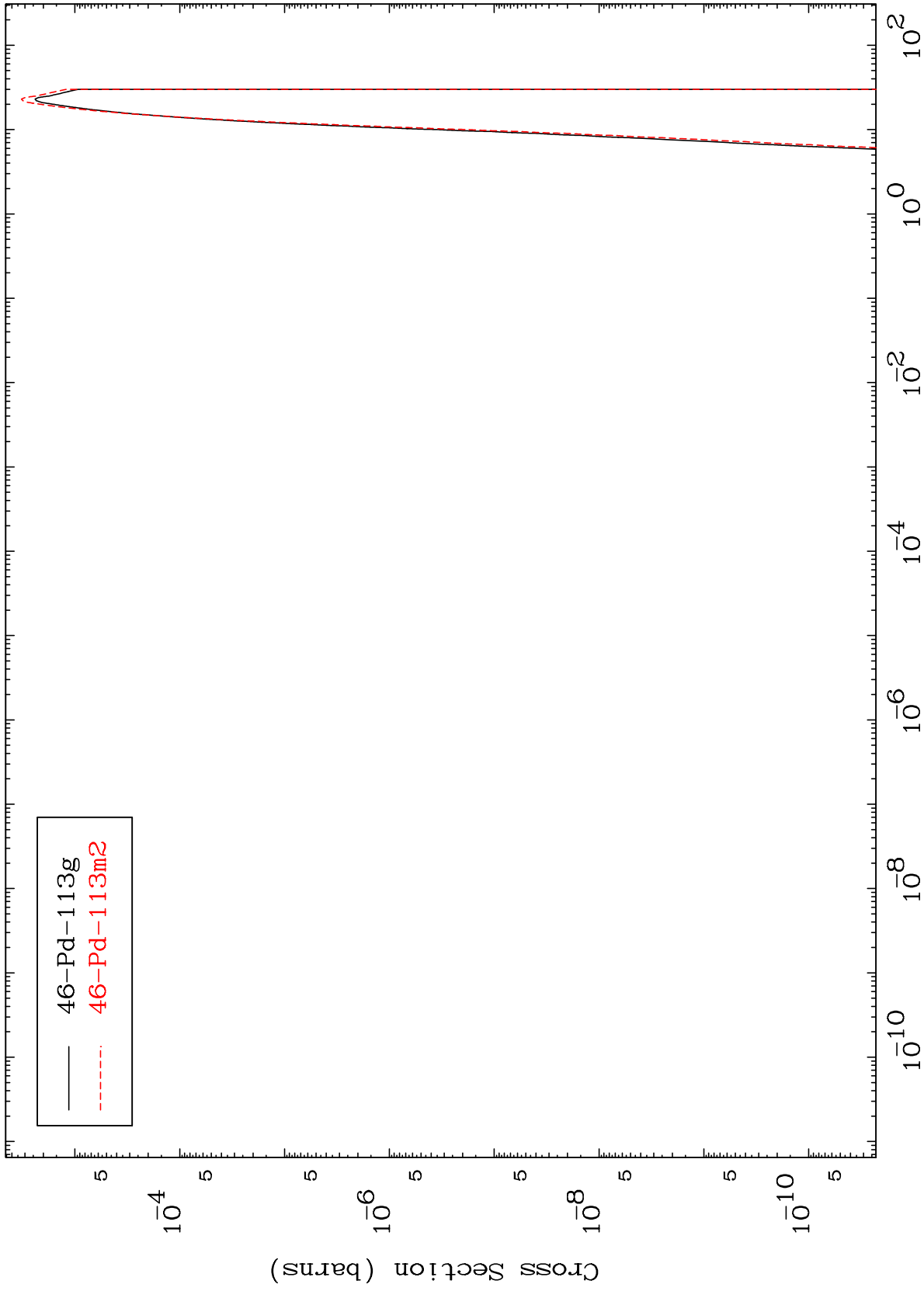
48-Cd-116

MAT 4855

(n,  $\alpha$ )

48-Cd-116

Radionuclide Production Cross Section



— 46-Pd-113g  
- - - 46-Pd-113m2

102

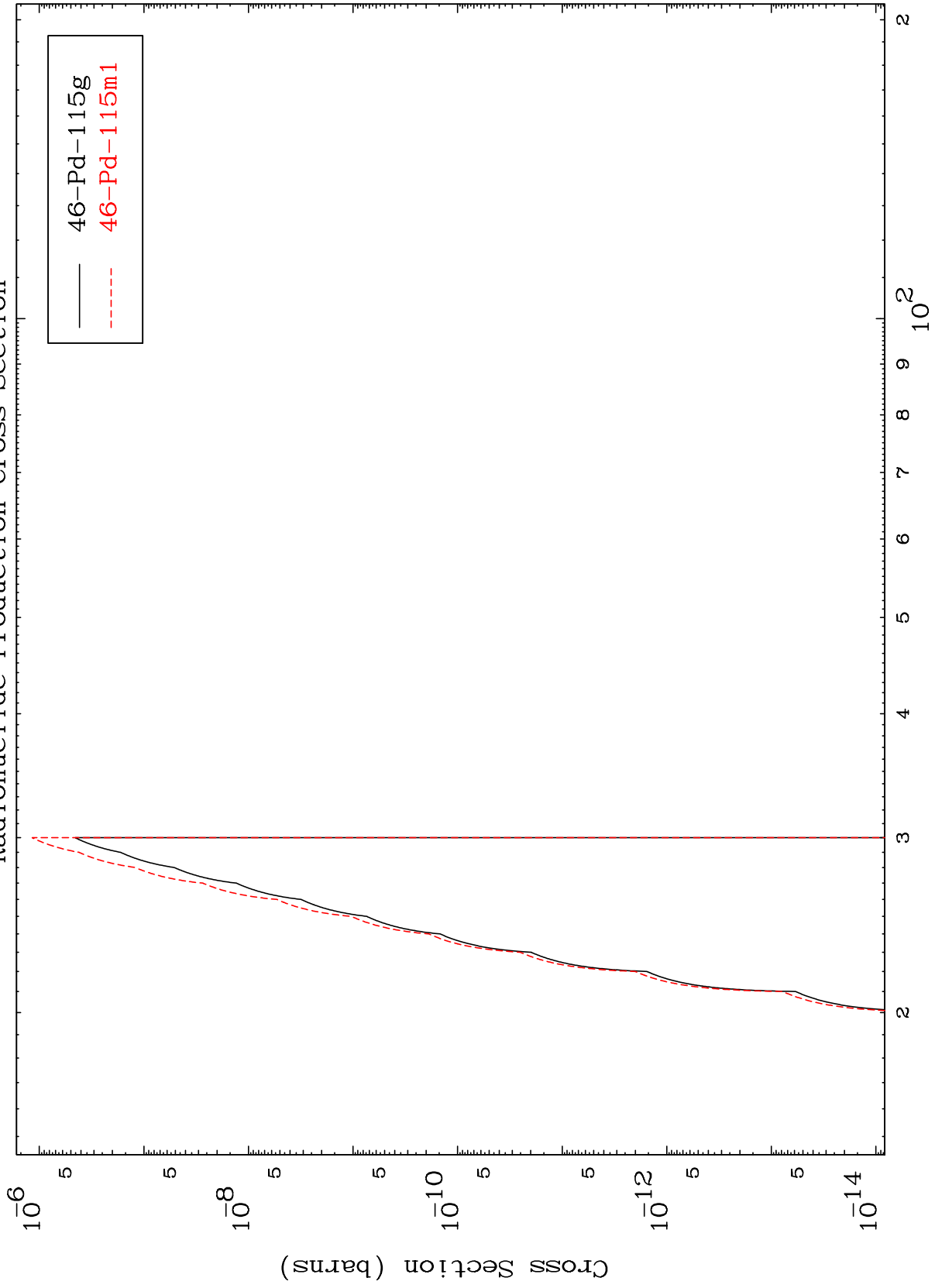
Incident Energy (MeV)

48-Cd-116

MAT 4855

48-Cd-116

(n,2p)  
Radionuclide Production Cross Section



103

Incident Energy (MeV)

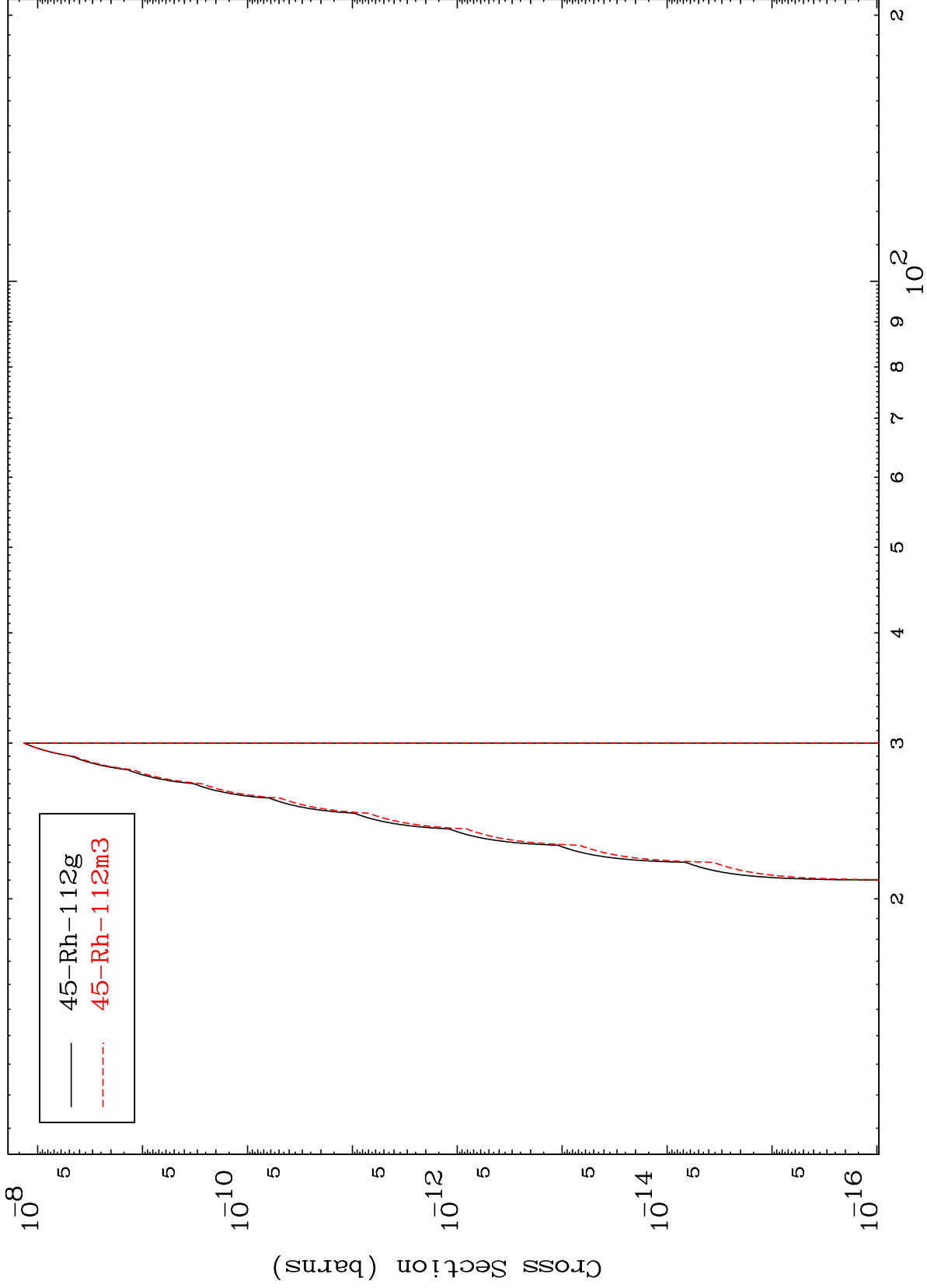
48-Cd-116

MAT 4855

(n,p)  $\alpha$

48-Cd-116

Radionuclide Production Cross Section



104

Incident Energy (MeV)

48-Cd-116