

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

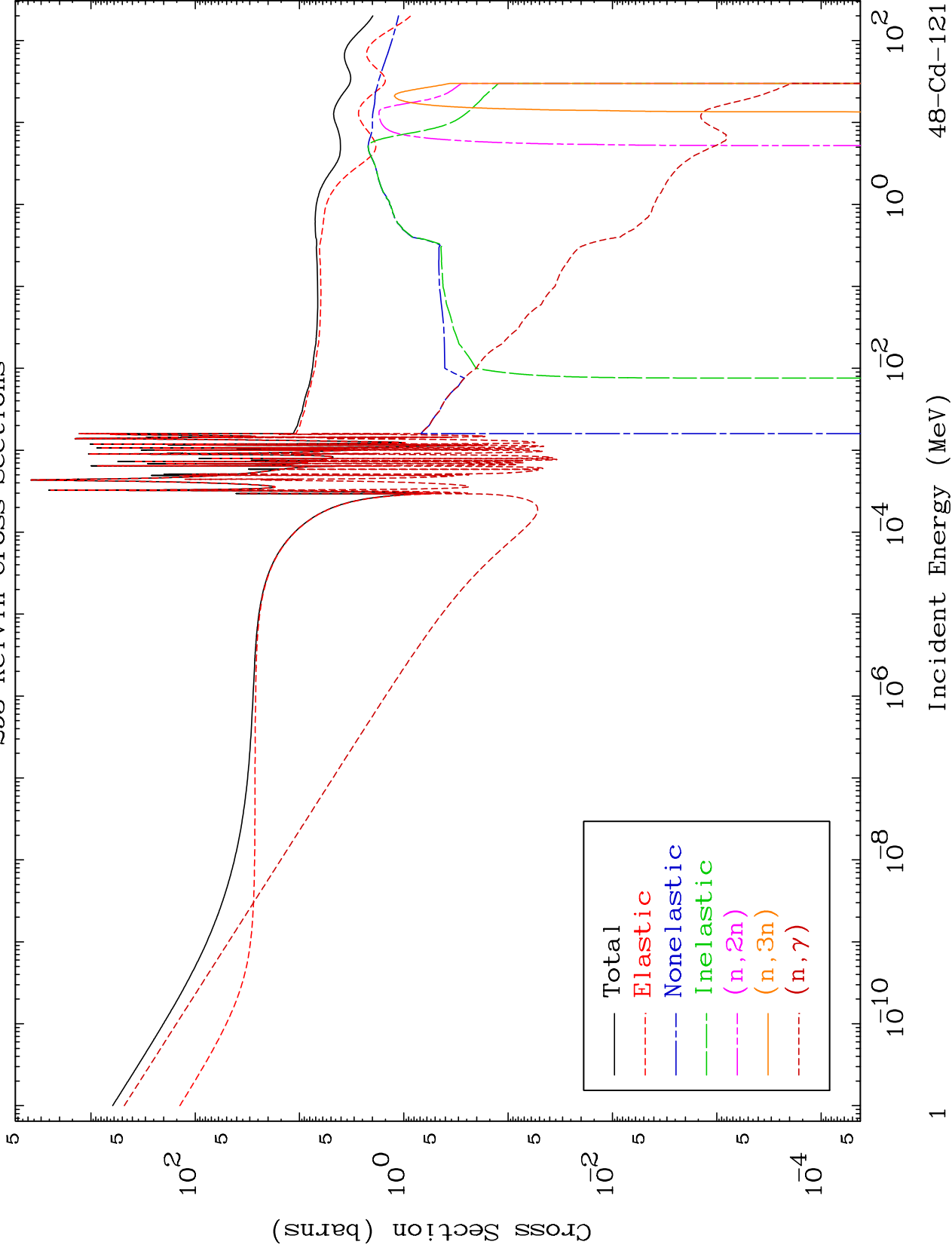
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4870

Neutron Major
293 Kelvin Cross Sections

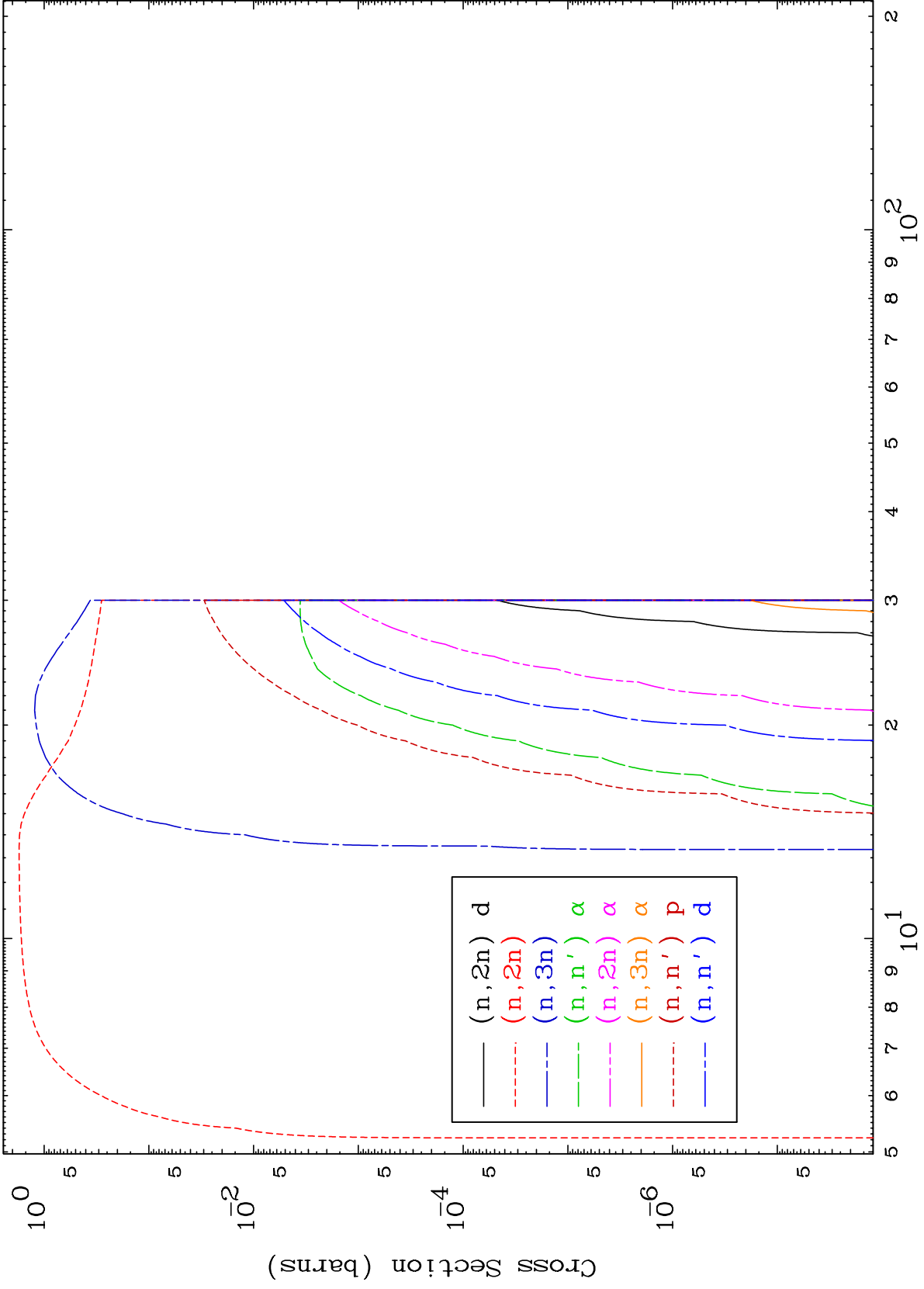
48-Cd-121



MAT 4870

Neutron Absorption
293 Kelvin Cross Sections

48-Cd-121



2

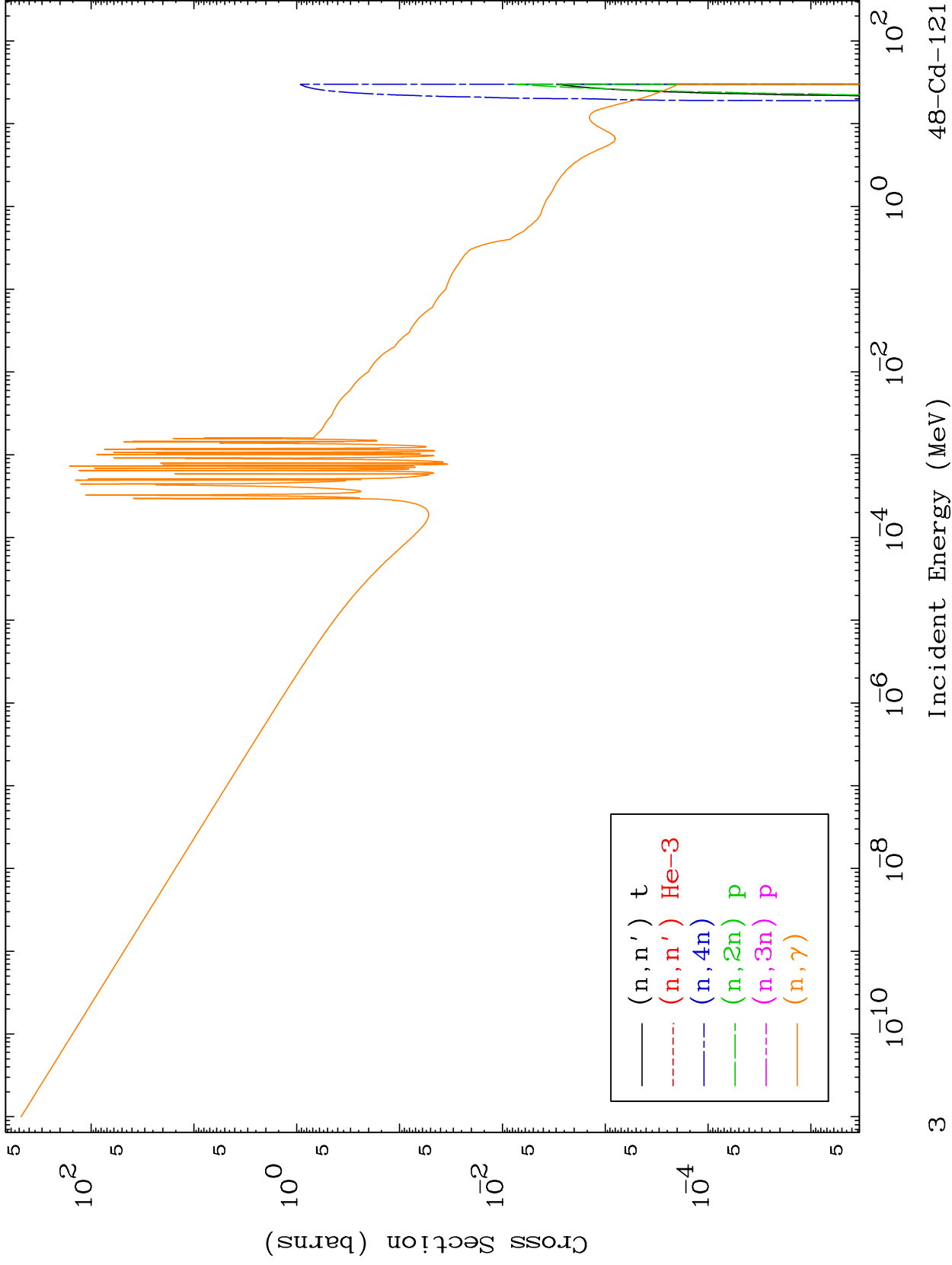
Incident Energy (MeV)

48-Cd-121

MAT 4870

Neutron Absorption
293 Kelvin Cross Sections

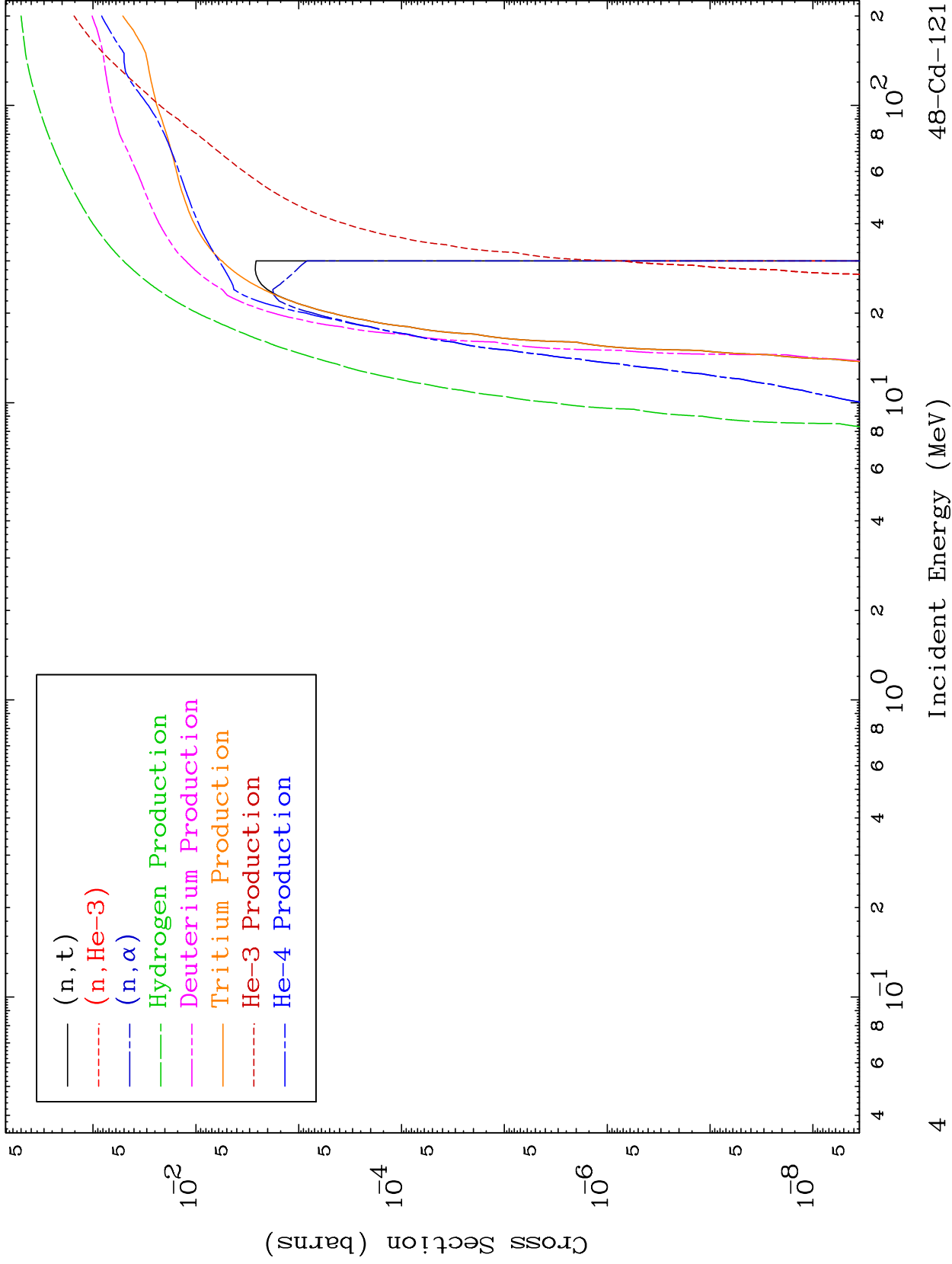
48-Cd-121



MAT 4870

Neutron Absorption
293 Kelvin Cross Sections

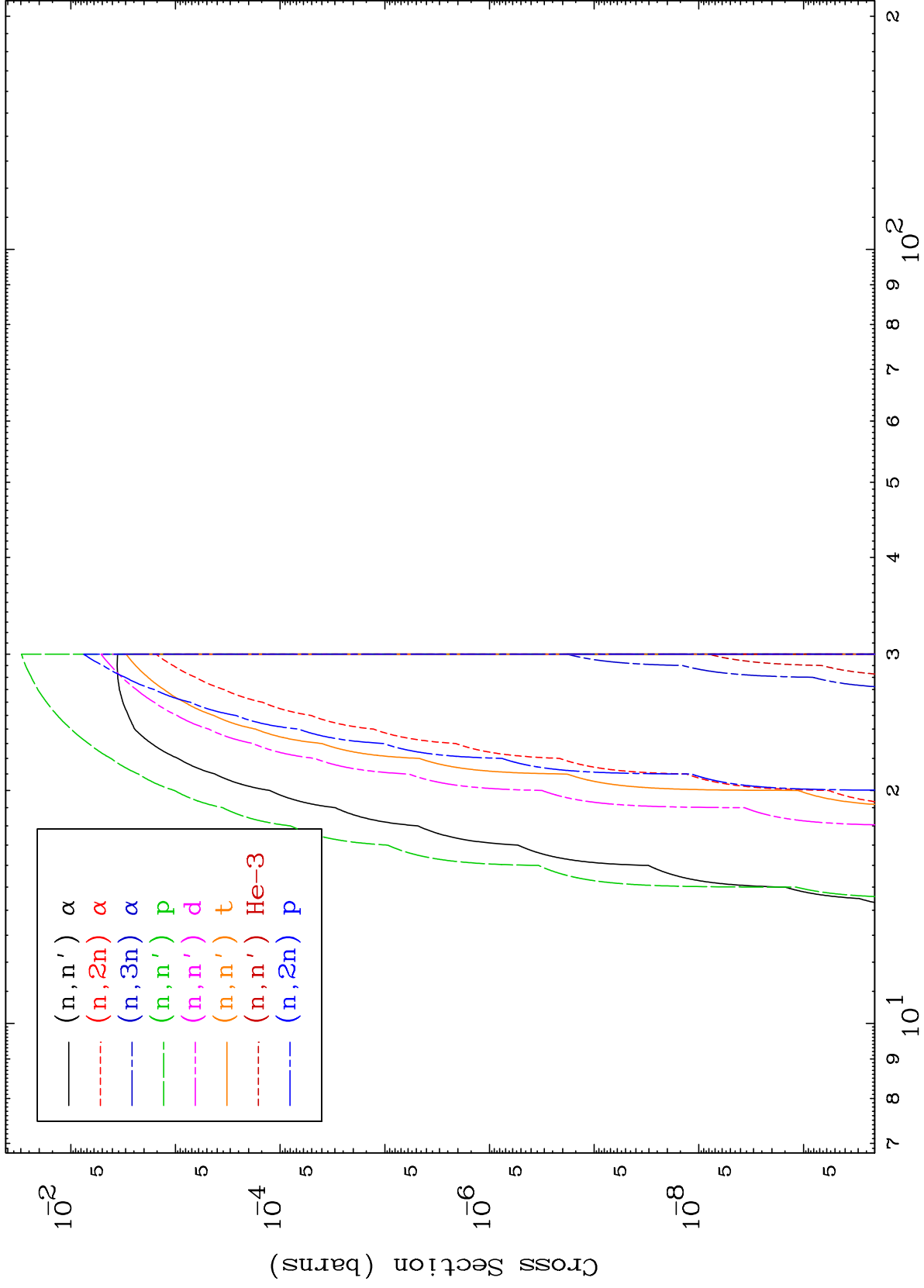
48-Cd-121



MAT 4870

Charged Particle
293 Kelvin Cross Sections

48-Cd-121



5

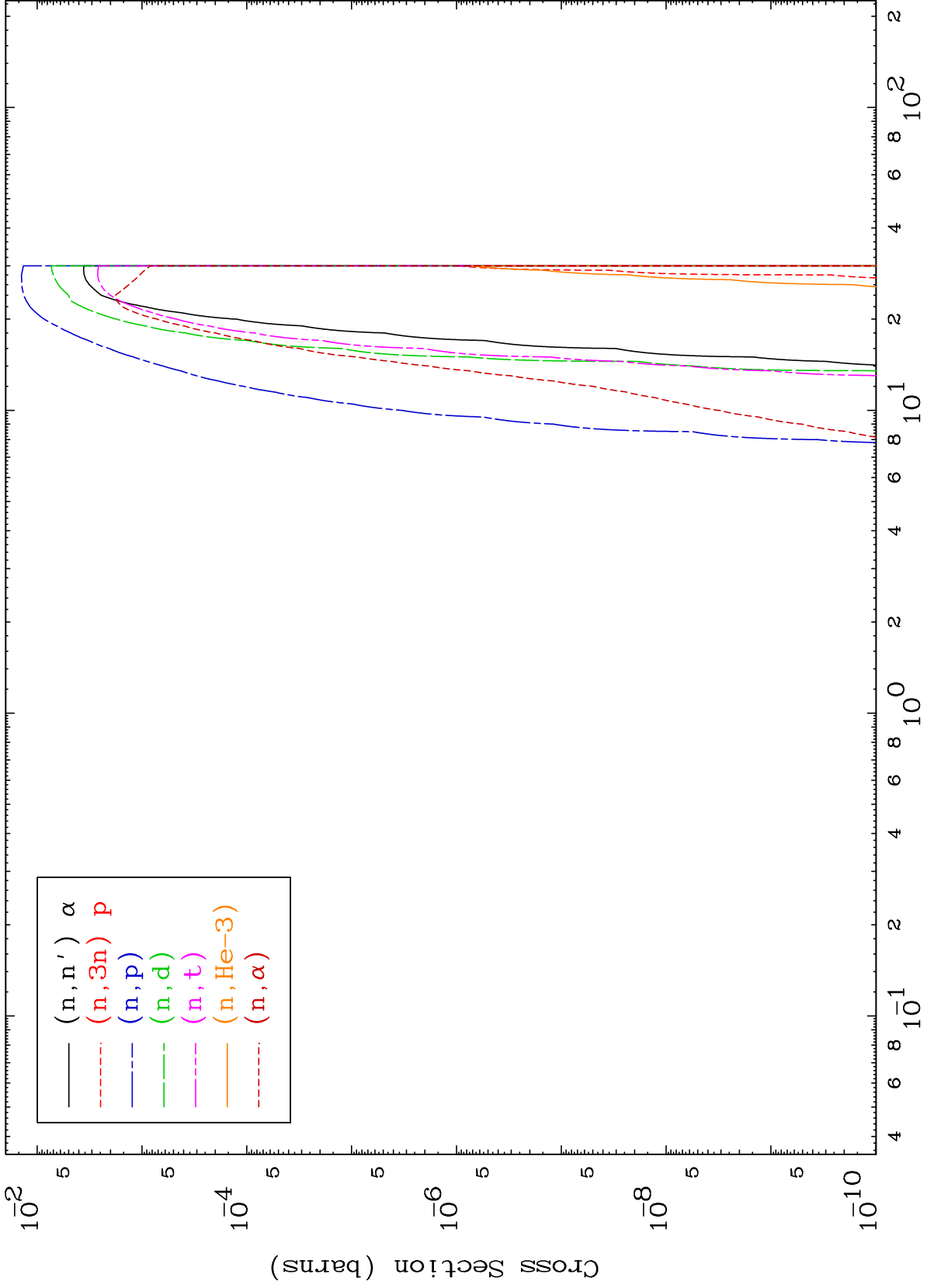
Incident Energy (MeV)

48-Cd-121

MAT 4870

Charged Particle
293 Kelvin Cross Sections

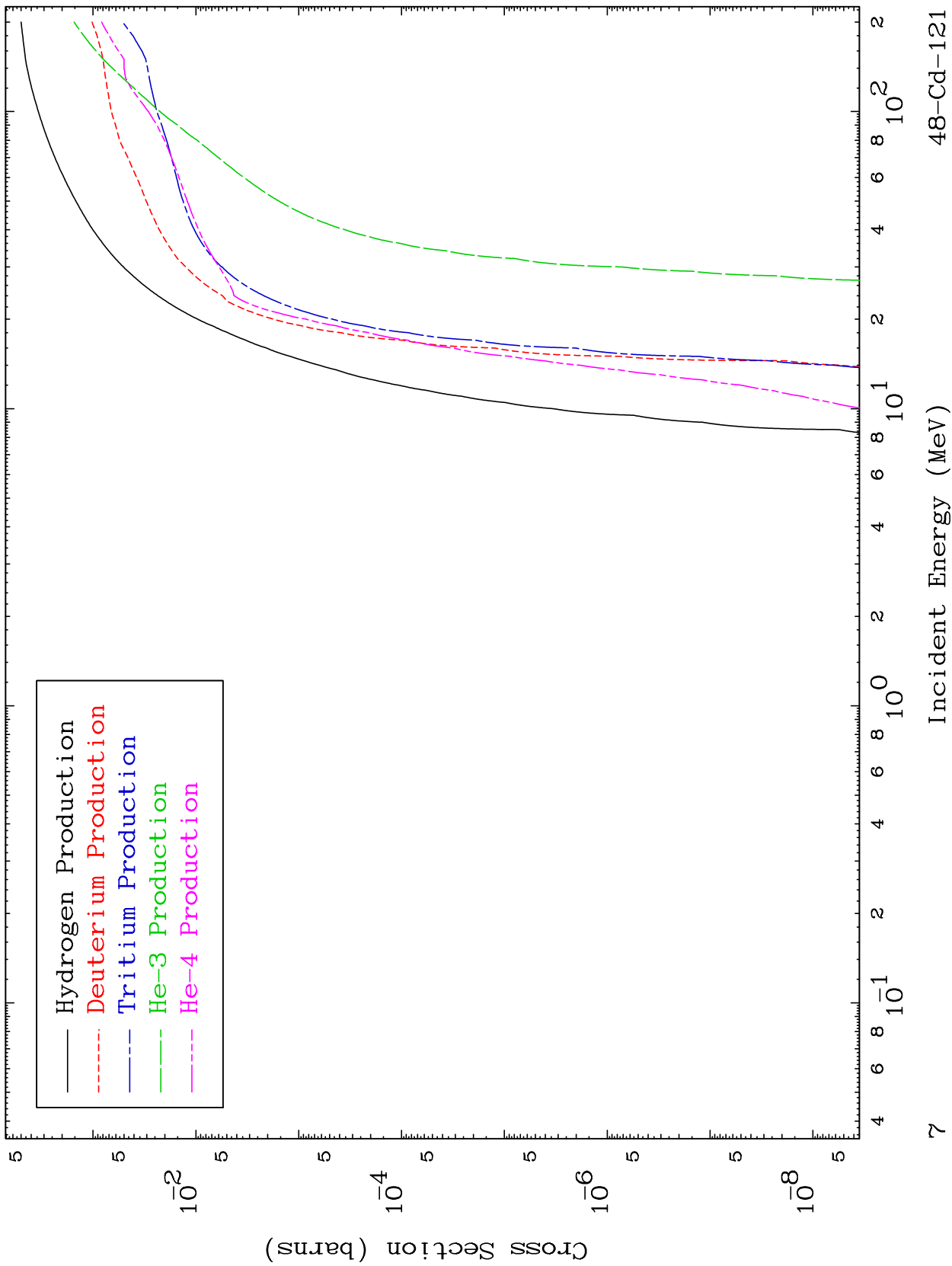
48-Cd-121



MAT 4870

Particle Production
293 Kelvin Cross Sections

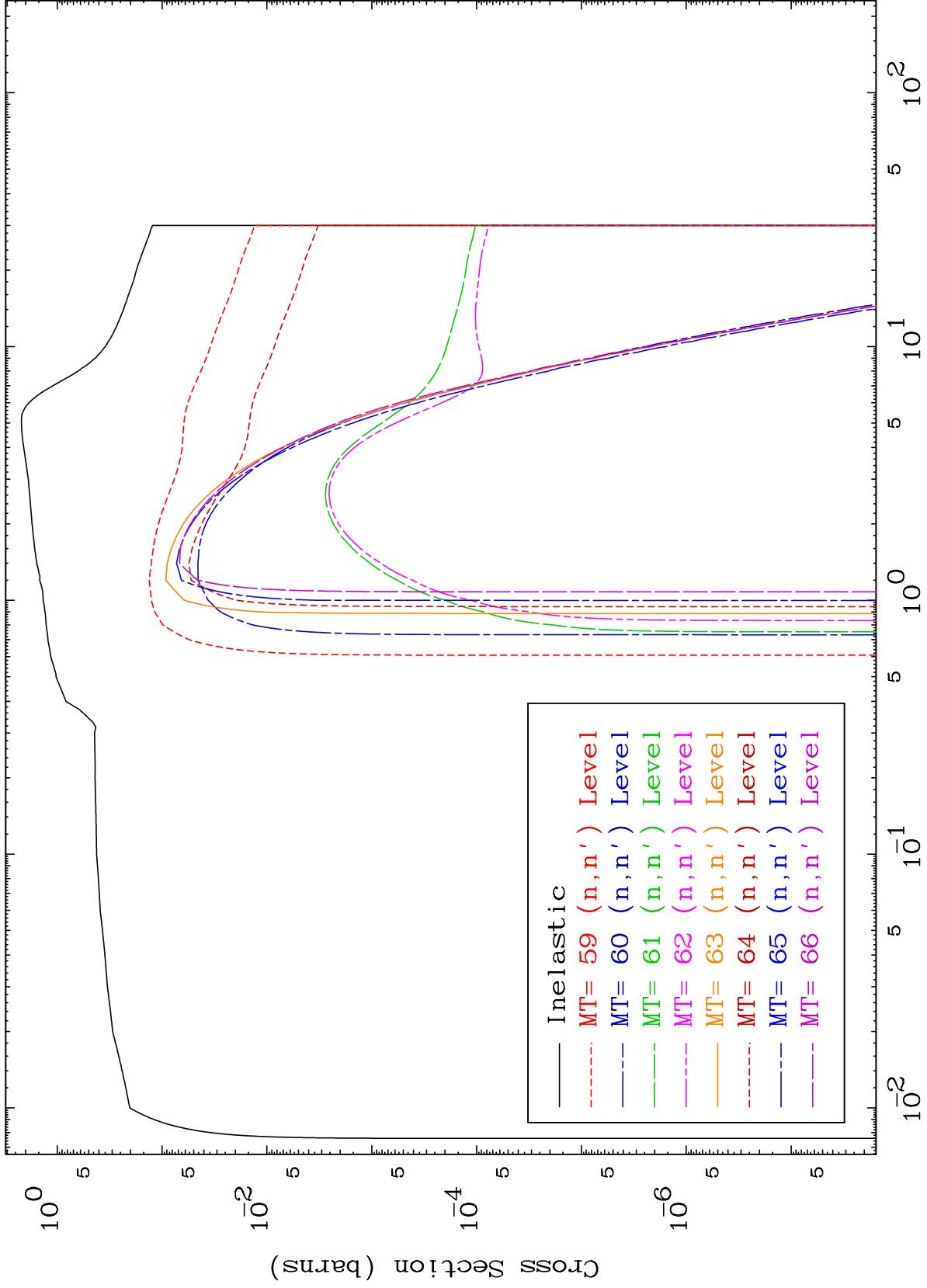
48-Cd-121



MAT 4870

(n,n') Levels
293 Kelvin Cross Sections

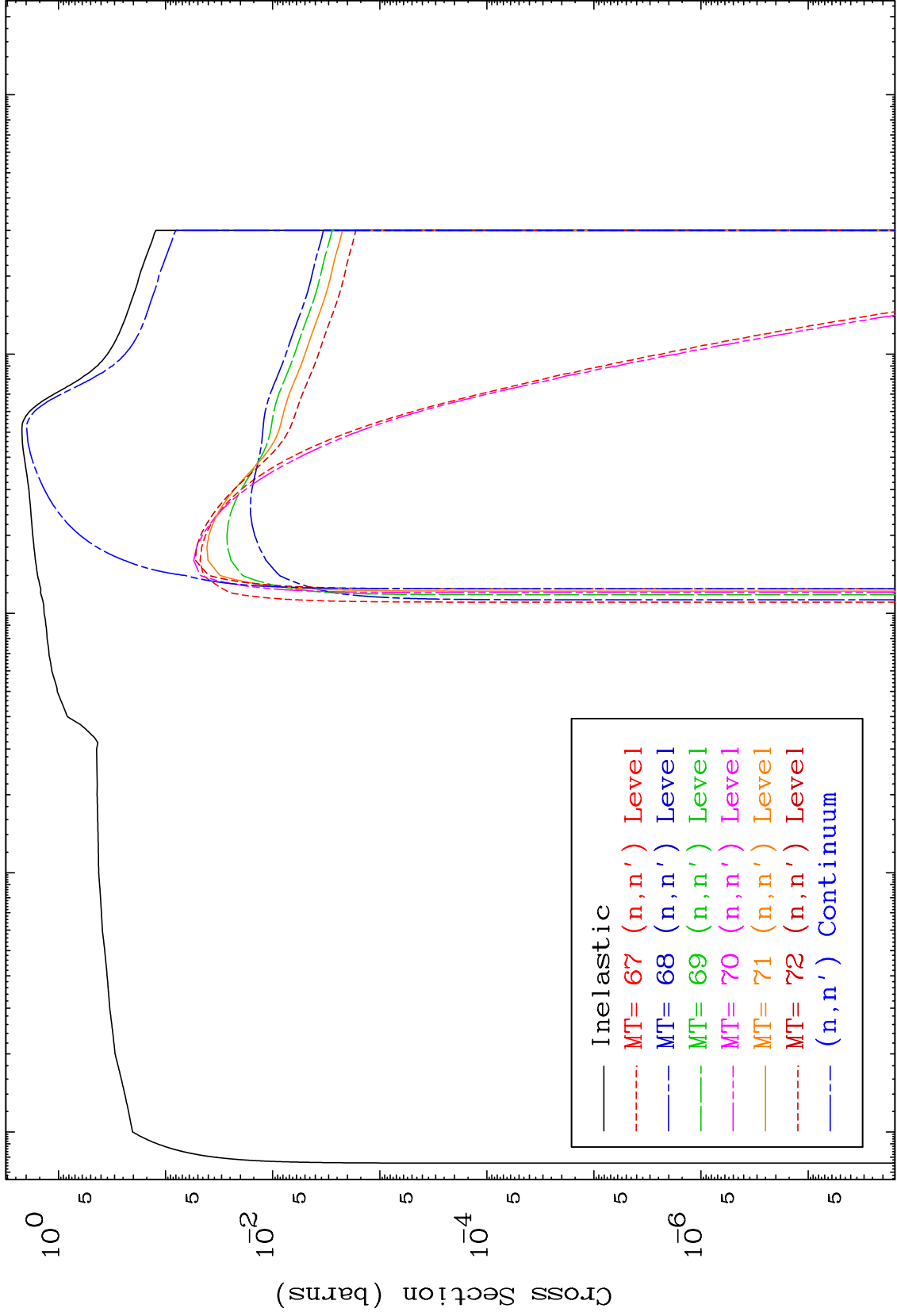
48-Cd-121



MAT 4870

48-Cd-121

(n,n') Levels
293 Kelvin Cross Sections



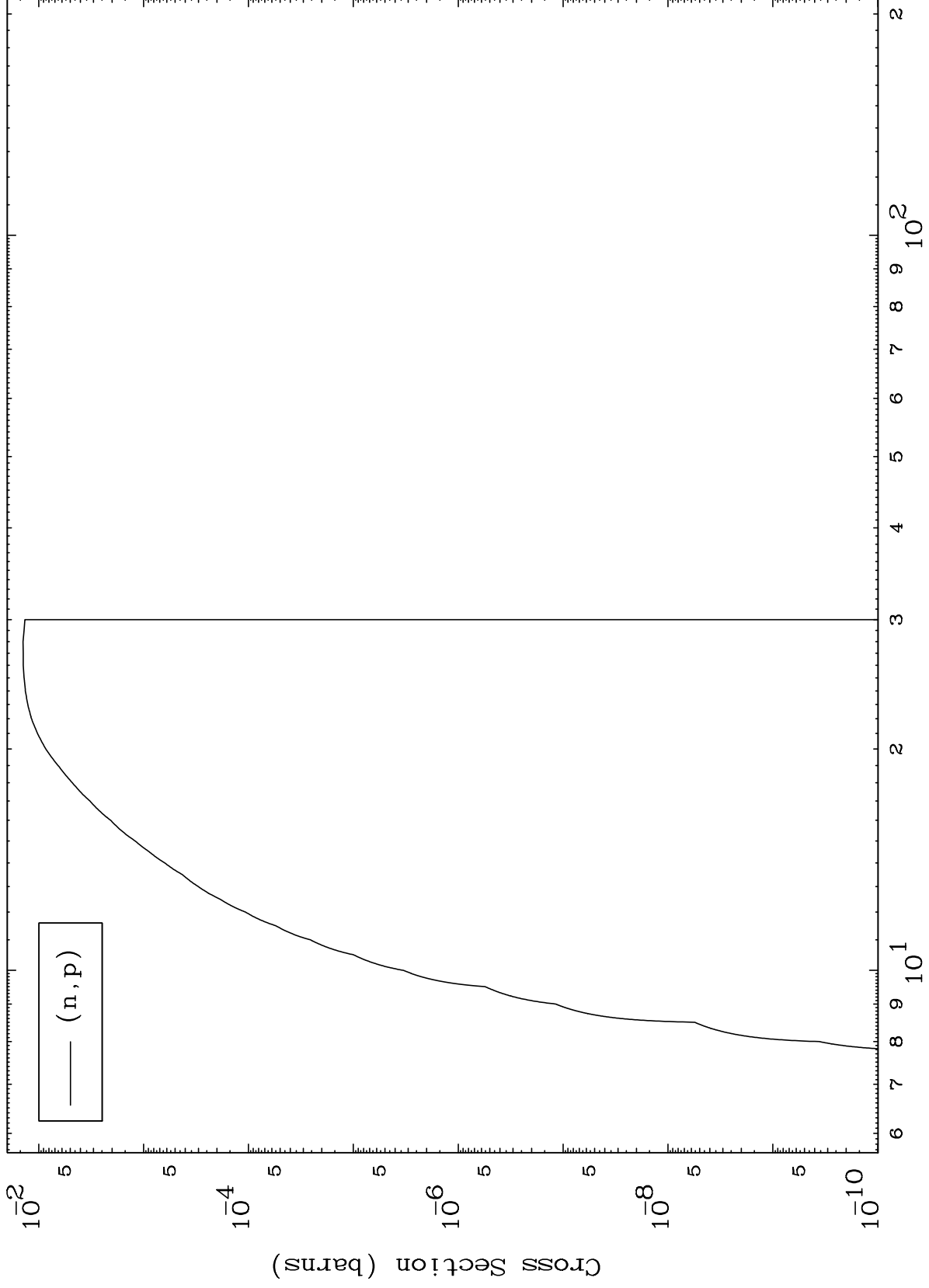
48-Cd-121

Incident Energy (MeV)

MAT 4870

(n,p) Levels
293 Kelvin Cross Sections

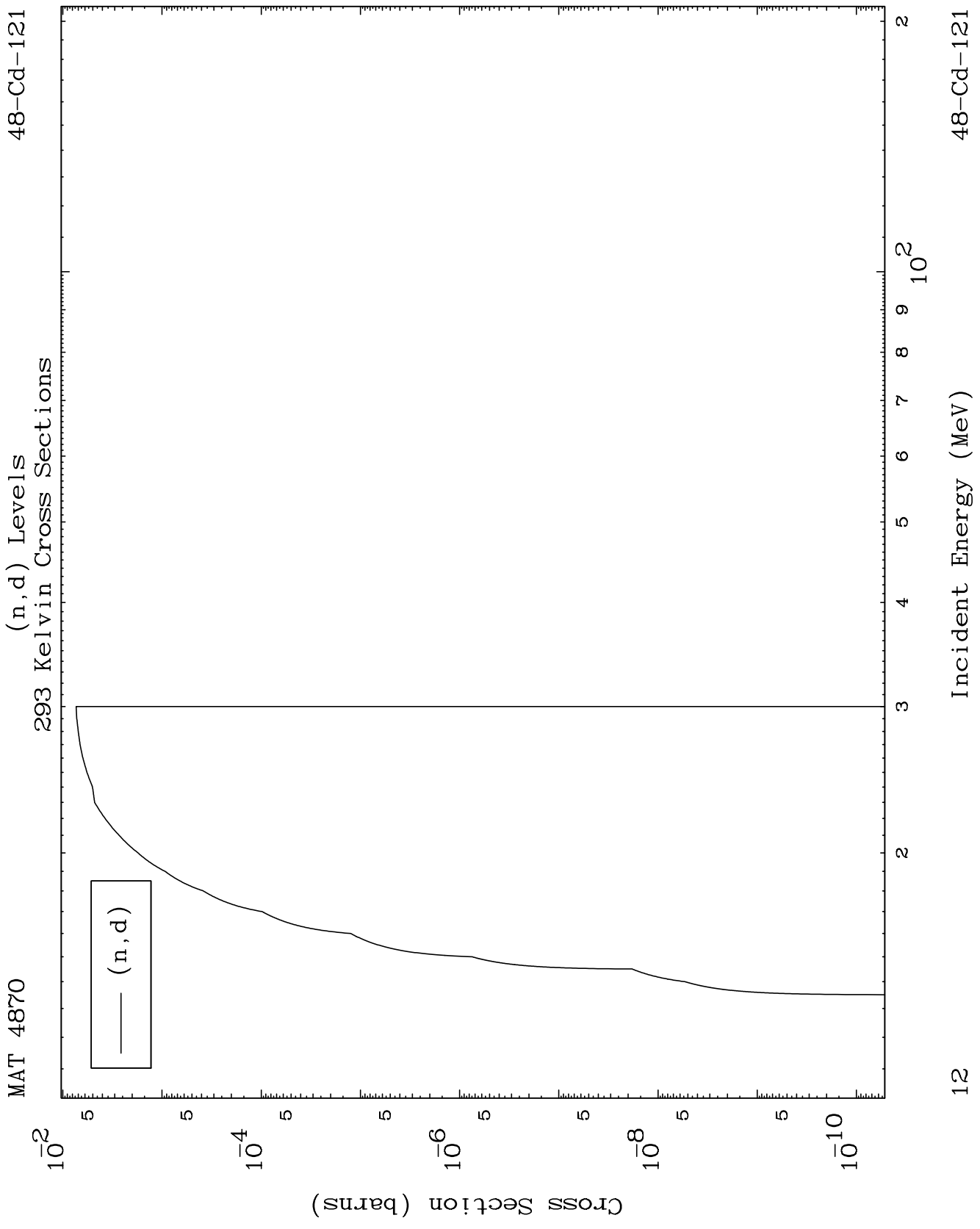
48-Cd-121



11

Incident Energy (MeV)

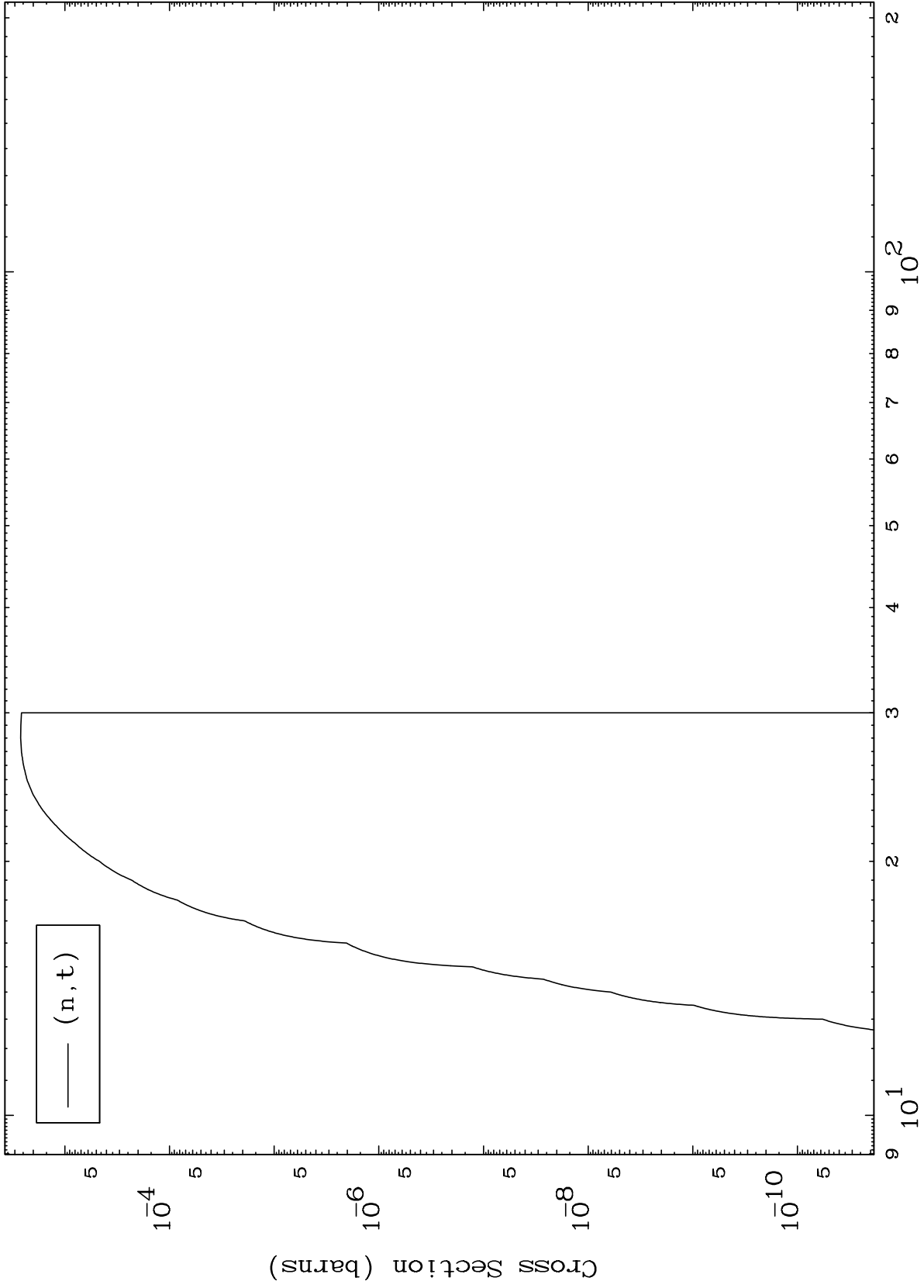
48-Cd-121



MAT 4870

(n,t) Levels
293 Kelvin Cross Sections

48-Cd-121



13

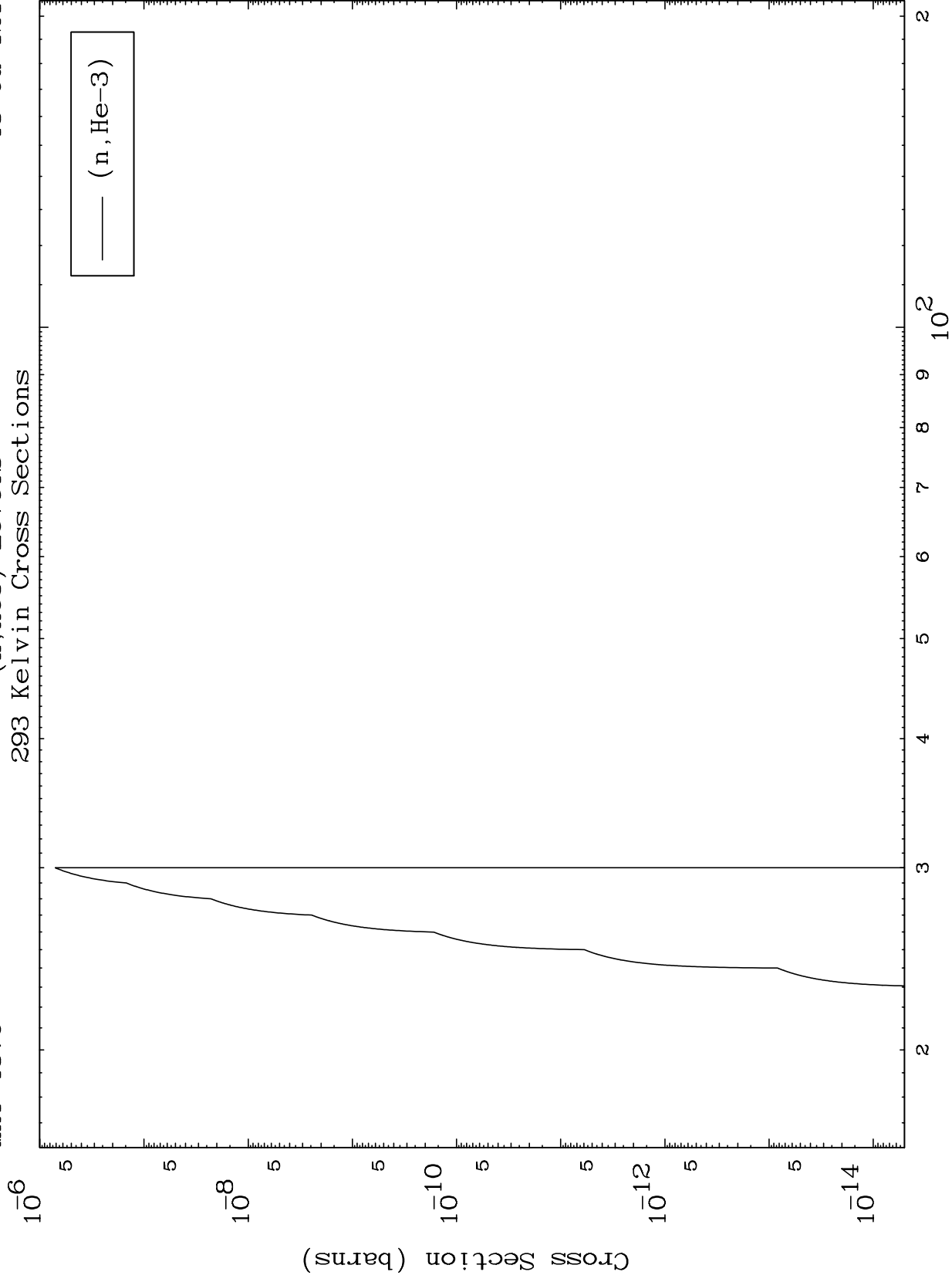
Incident Energy (MeV)

48-Cd-121

MAT 4870

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-121



14

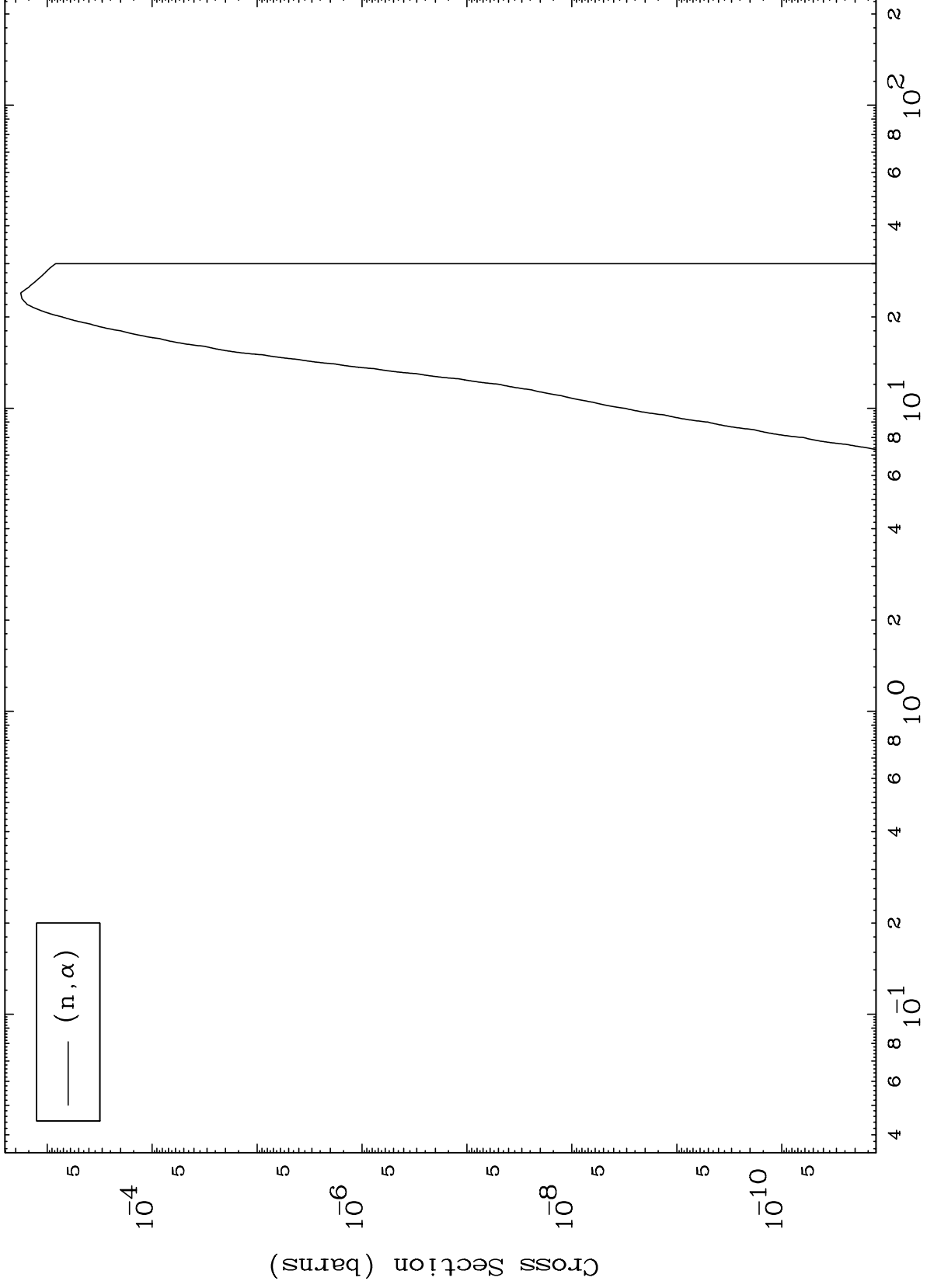
Incident Energy (MeV)

48-Cd-121

MAT 4870

(n, α) Levels
293 Kelvin Cross Sections

48-Cd-121



15

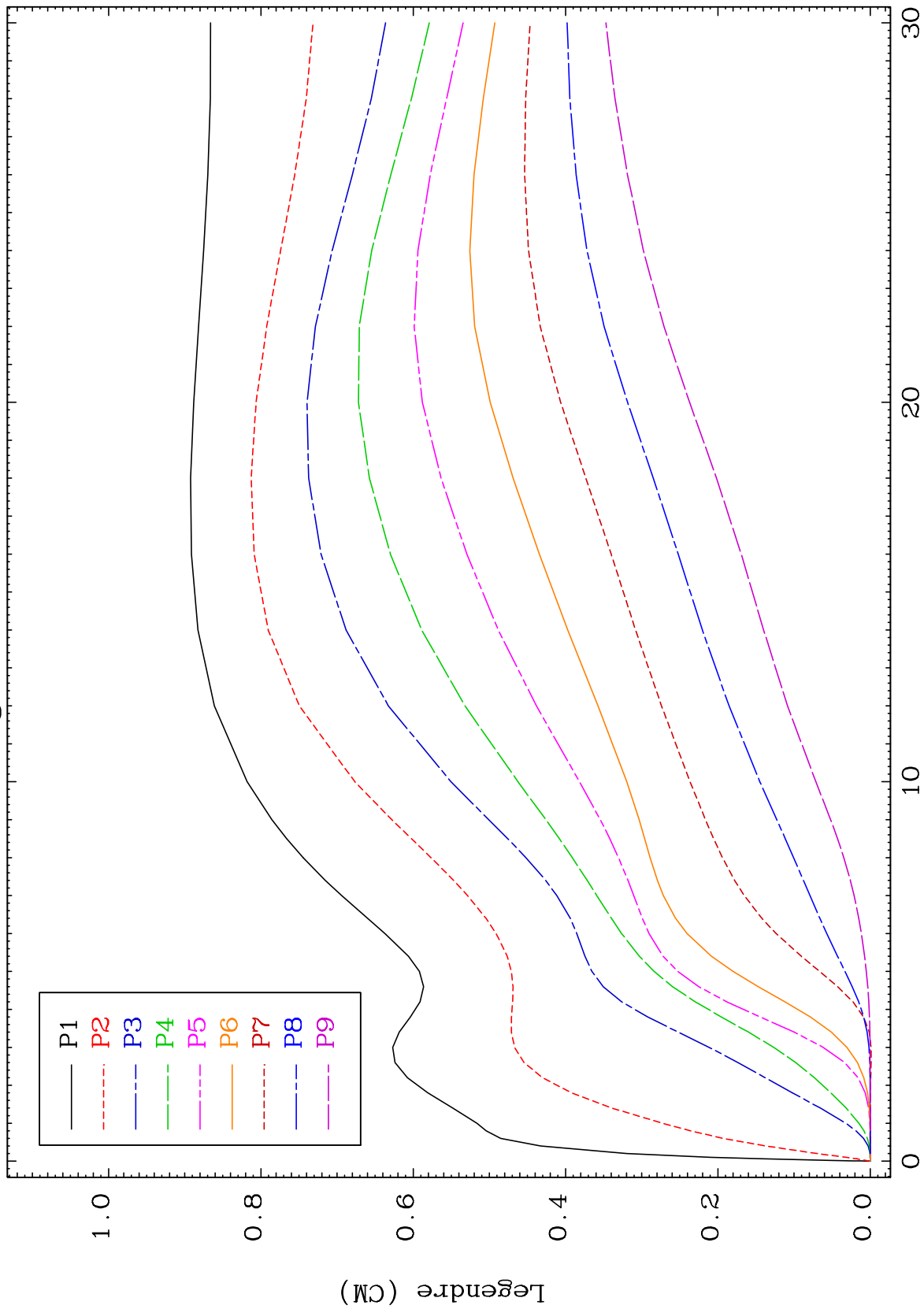
Incident Energy (MeV)

48-Cd-121

MAT 4870

Elastic Legendre Coefficients

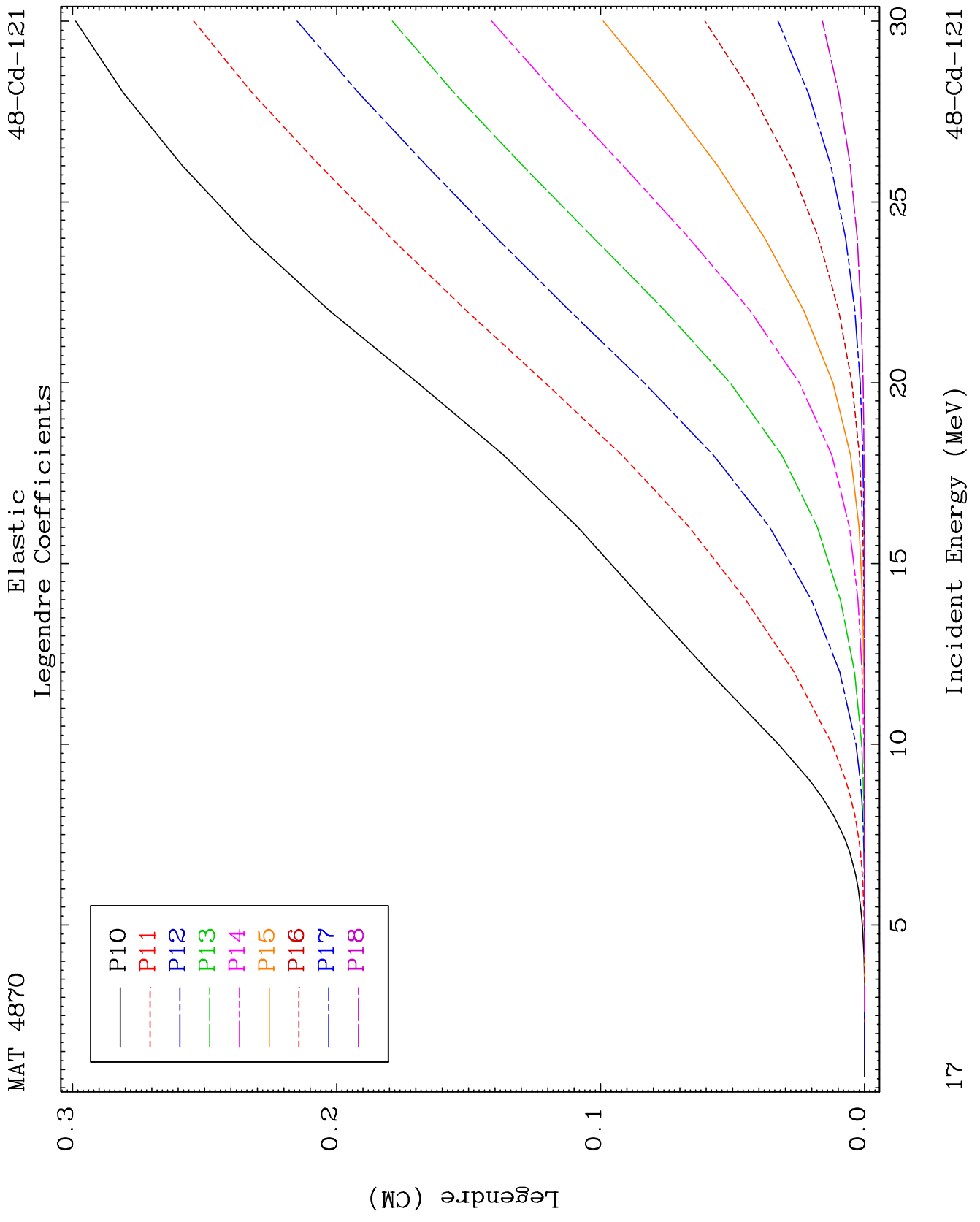
48-Cd-121



16

Incident Energy (MeV)

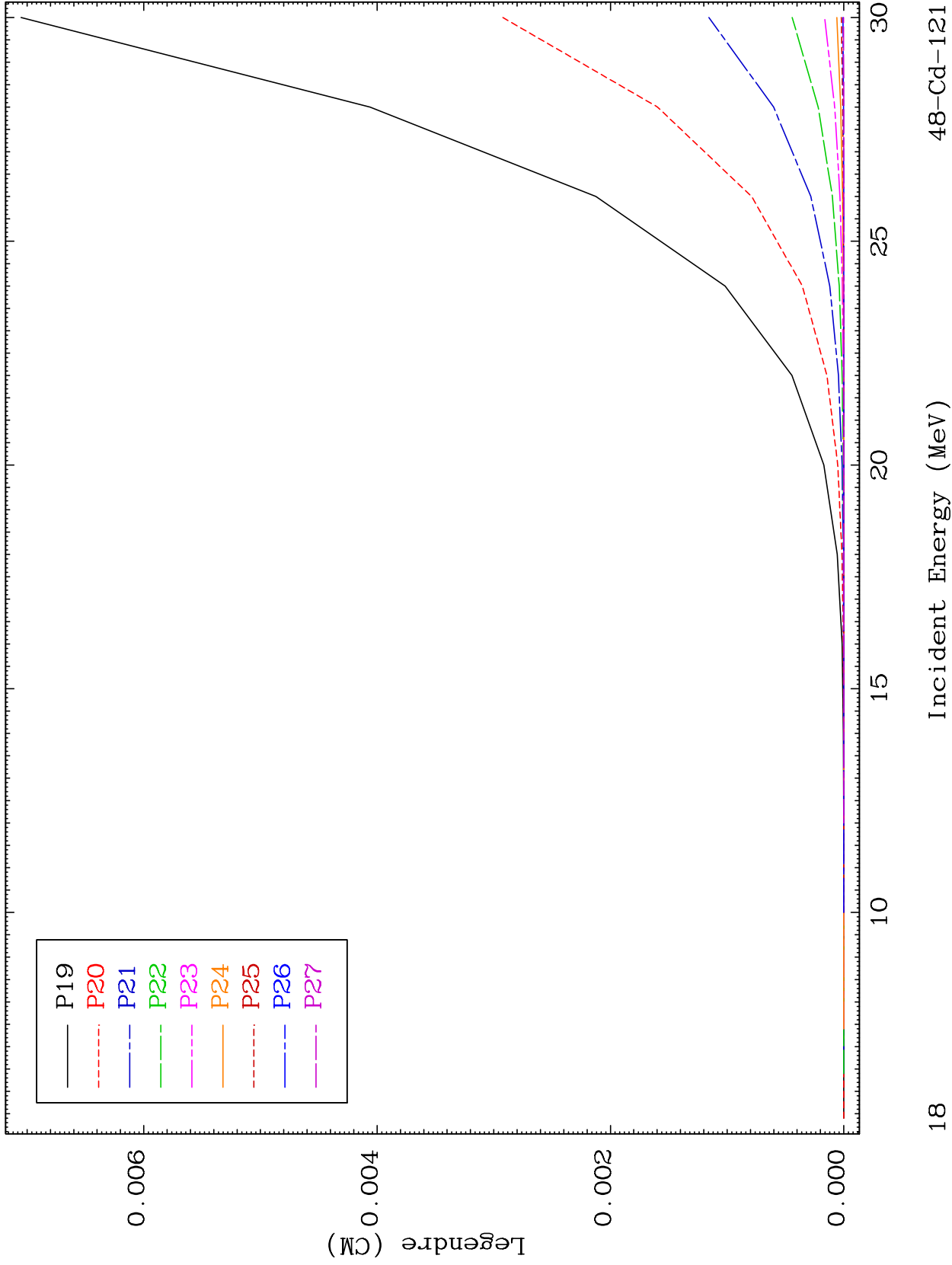
48-Cd-121



MAT 4870

Elastic Legendre Coefficients

48-Cd-121



18

Incident Energy (MeV)

48-Cd-121

30

25

20

15

10

Legendre (CM)

0.006

0.004

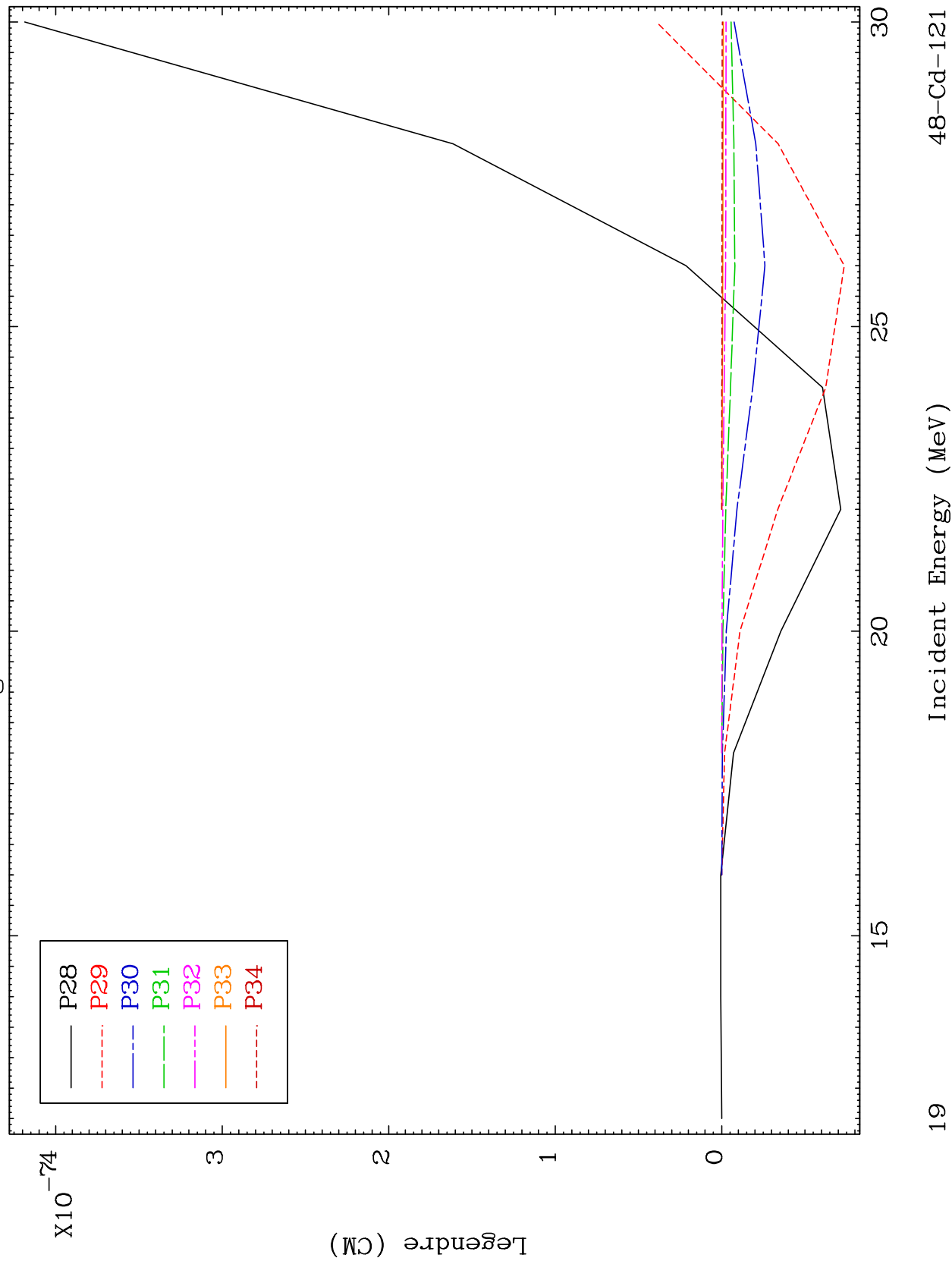
0.002

0.000

MAT 4870

Elastic Legendre Coefficients

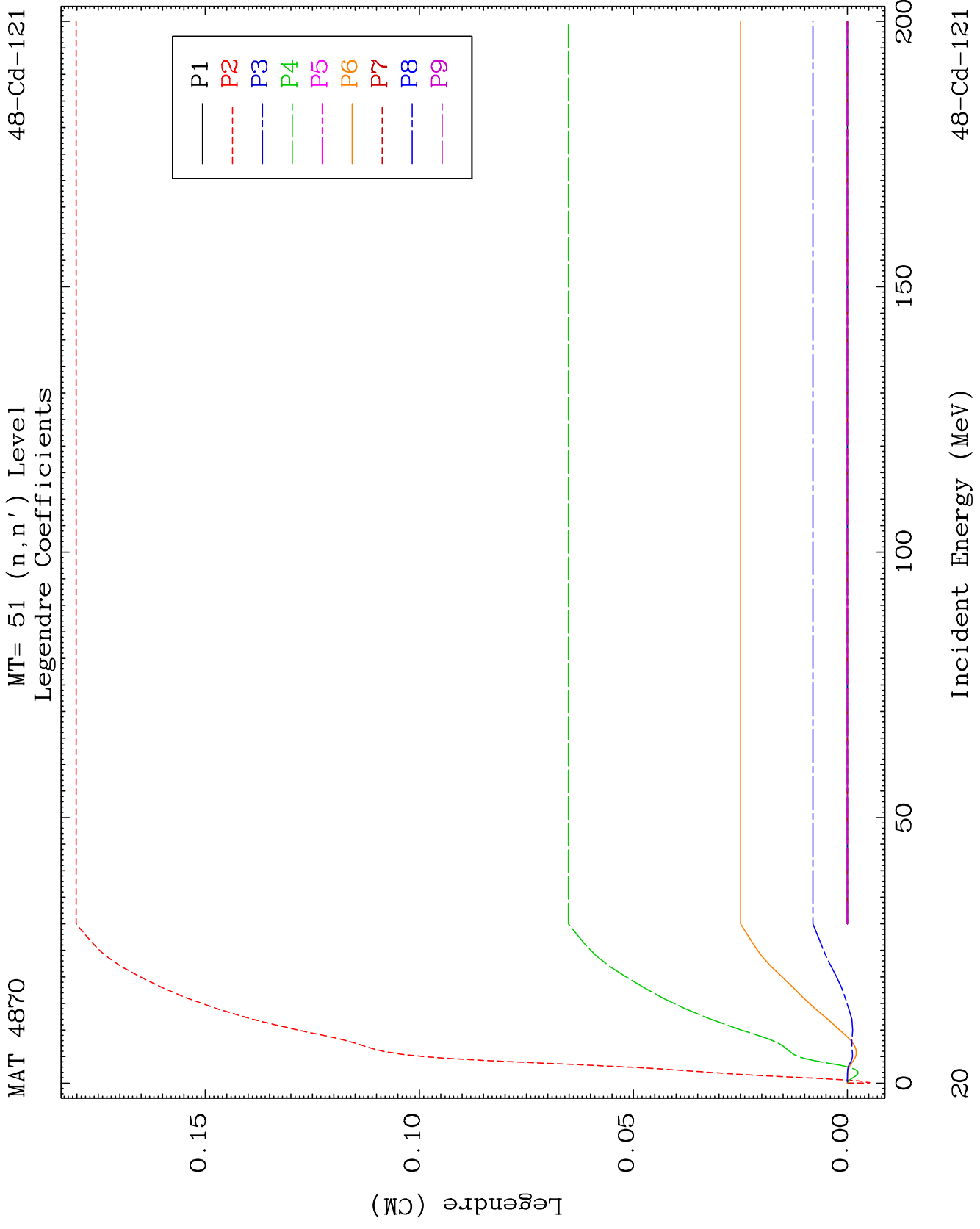
48-Cd-121



19

Incident Energy (MeV)

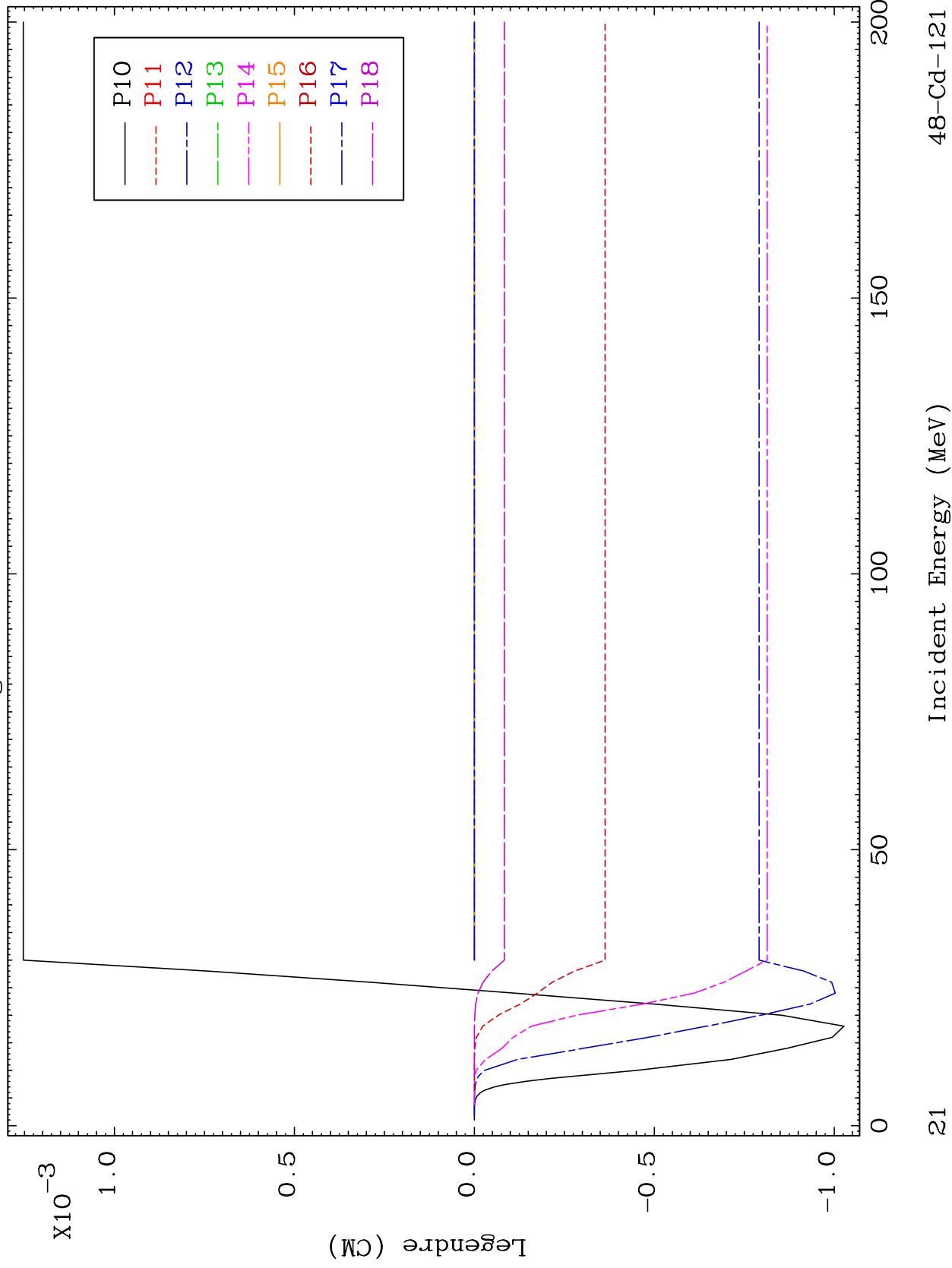
48-Cd-121



MAT 4870

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

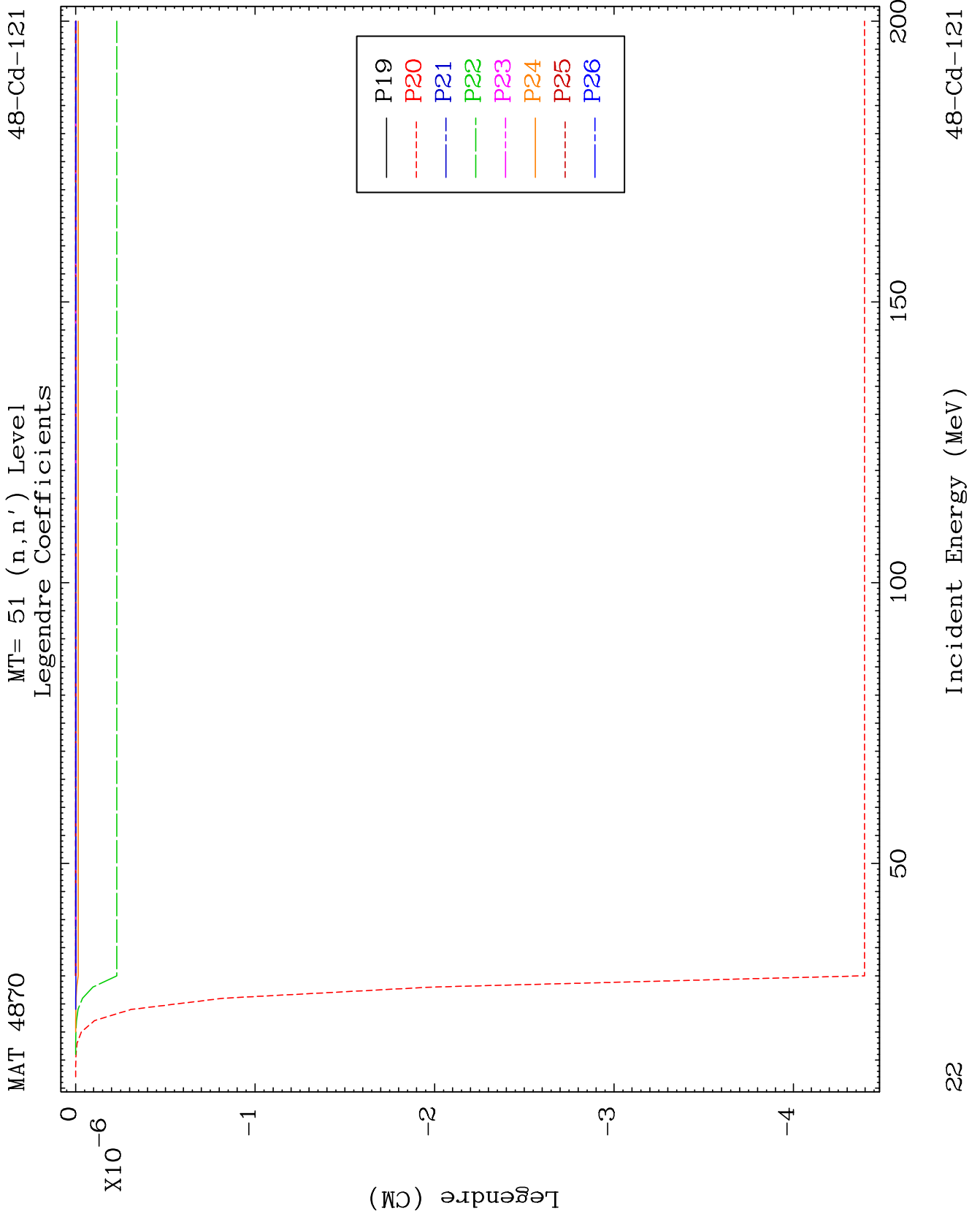
48-Cd-121



21

Incident Energy (MeV)

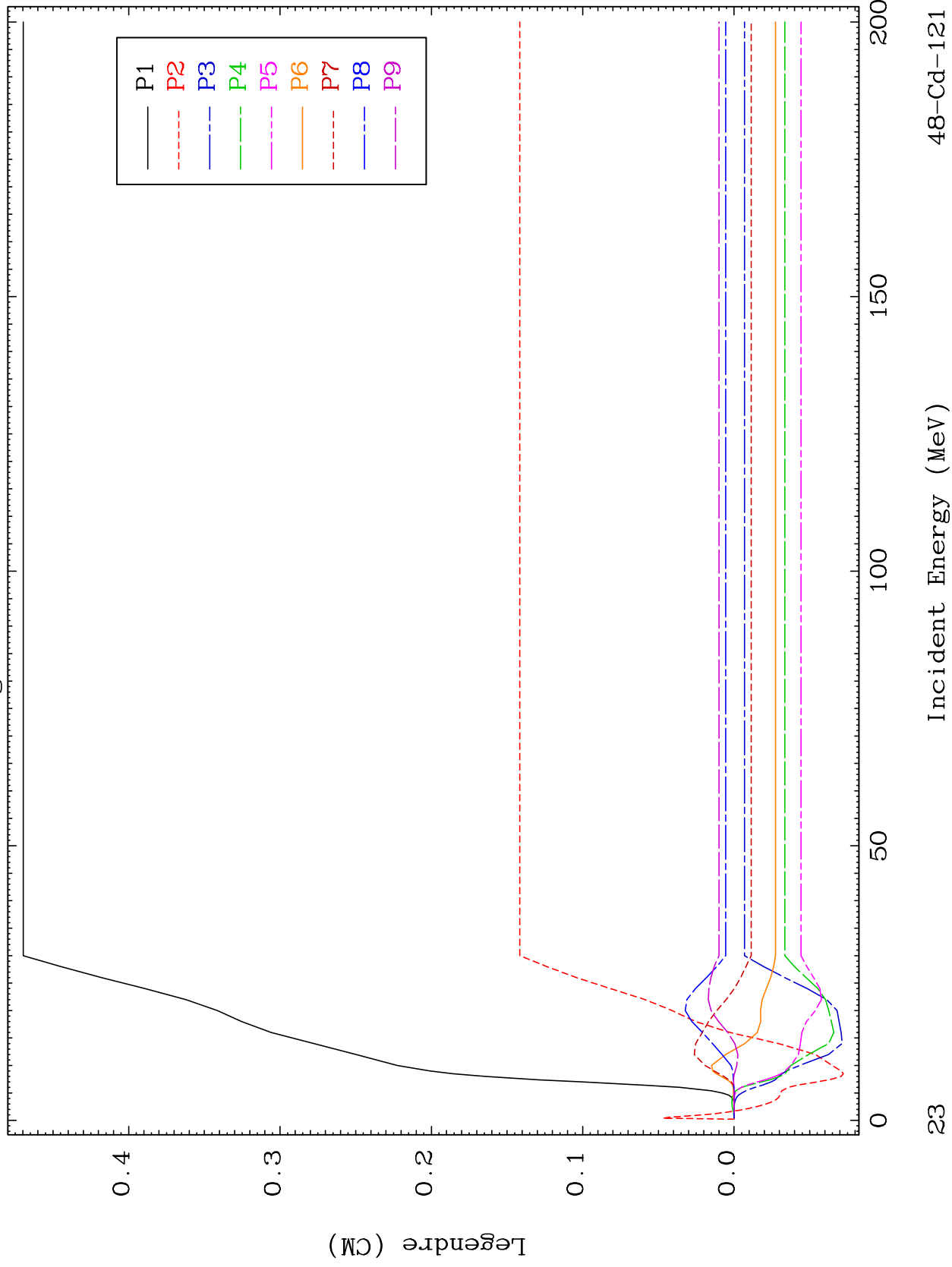
48-Cd-121



MAT 4870

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

48-Cd-121



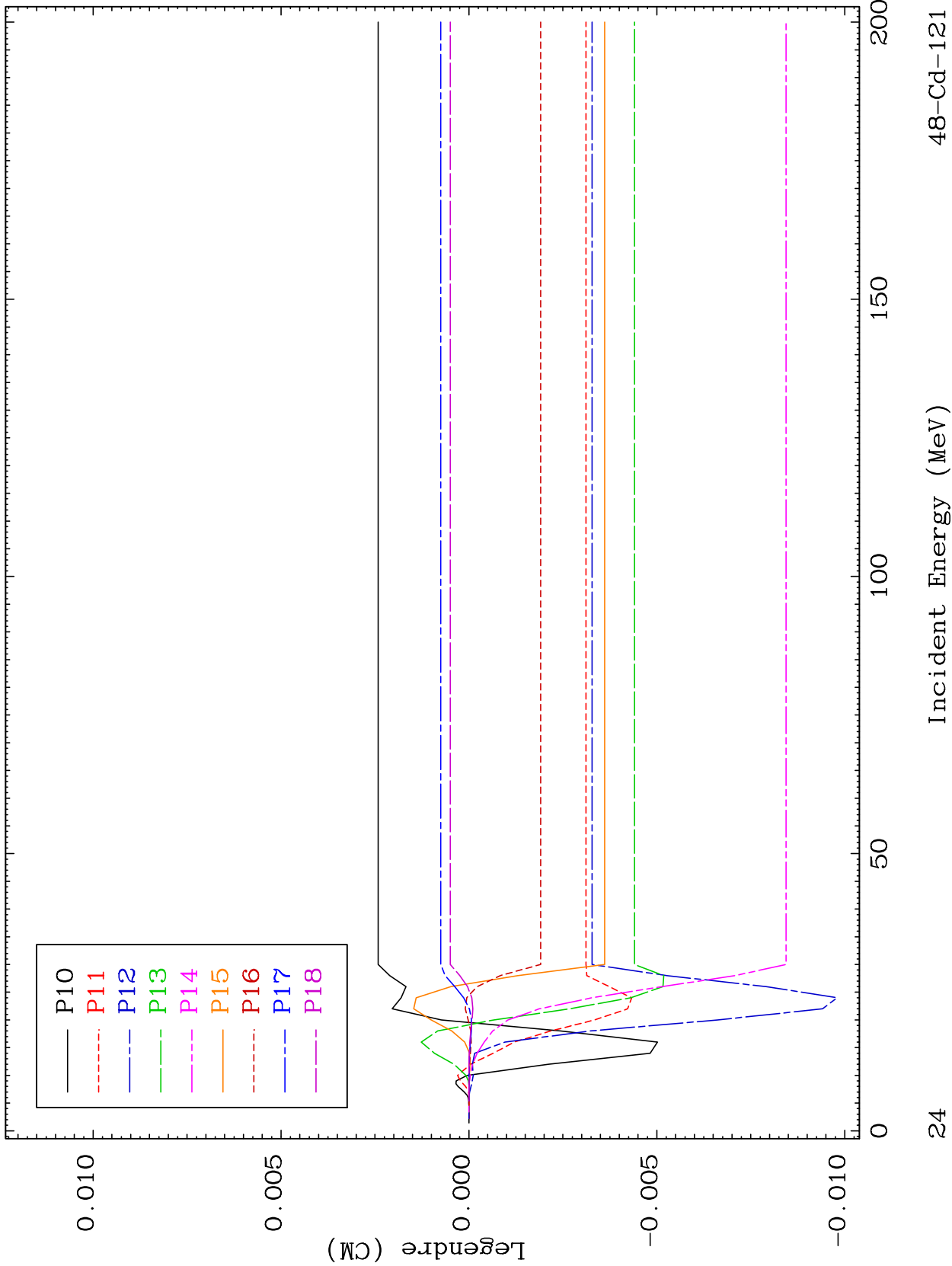
23

48-Cd-121

MAT 4870

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

48-Cd-121



24

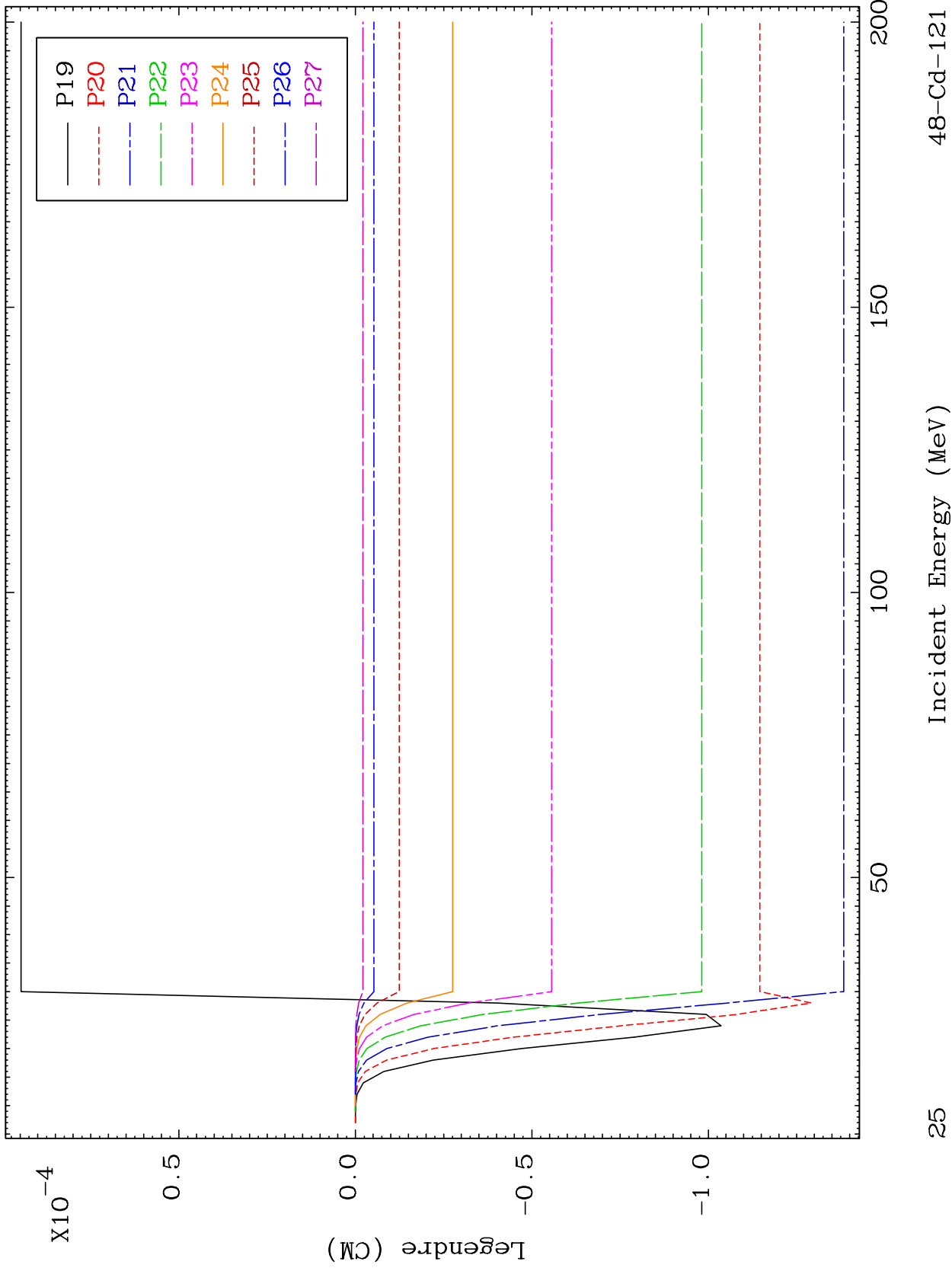
Incident Energy (MeV)

48-Cd-121

MAT 4870

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

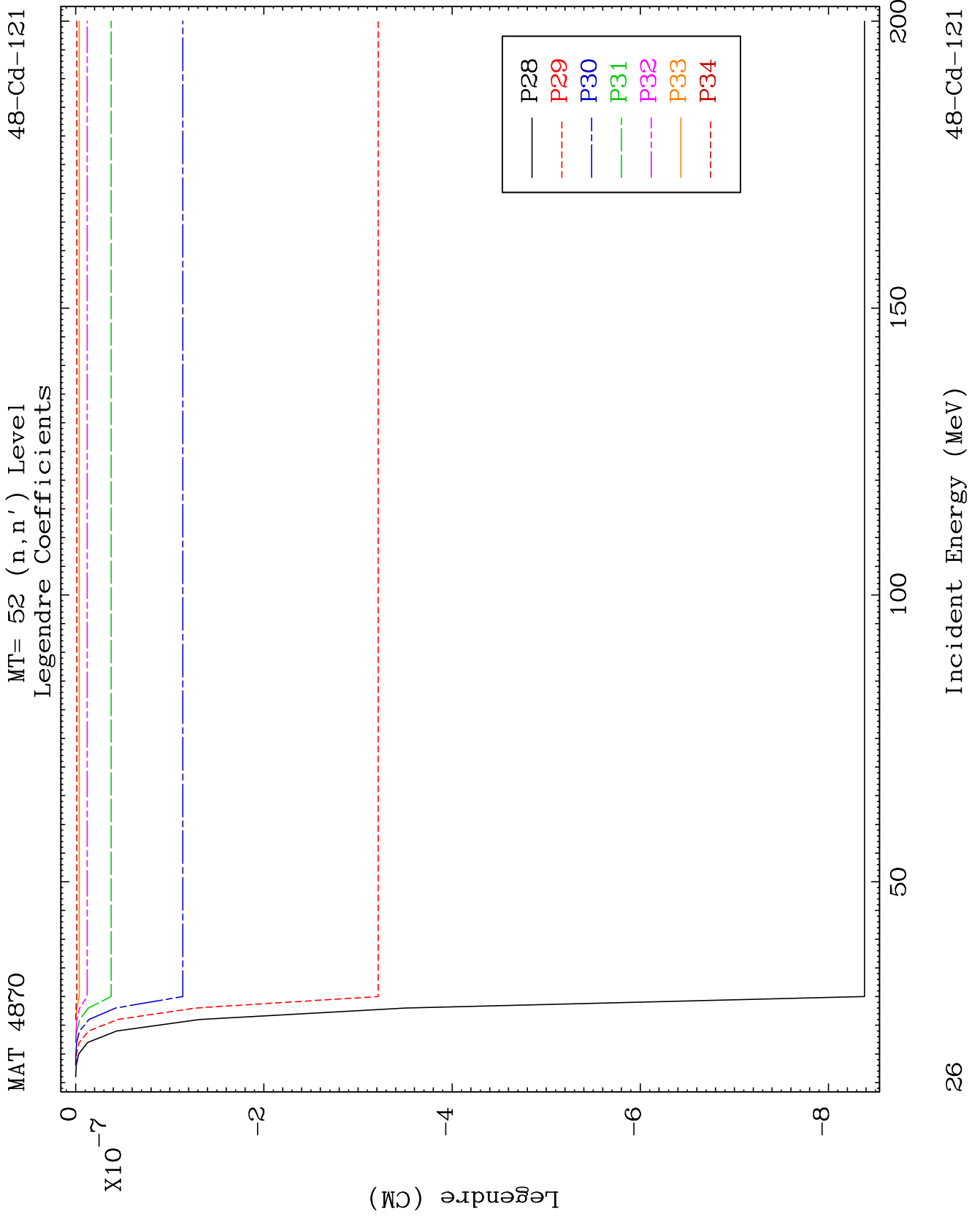
48-Cd-121

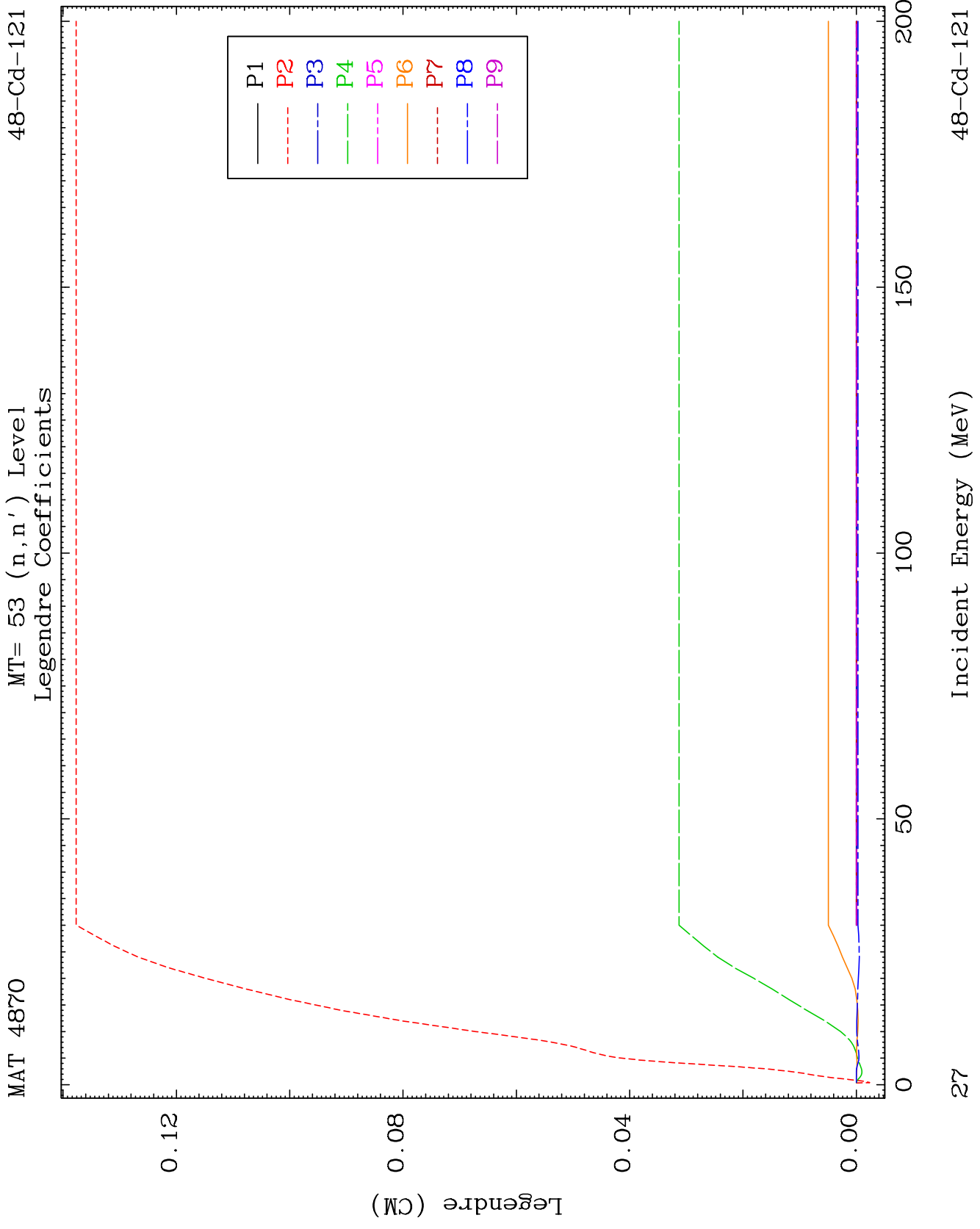


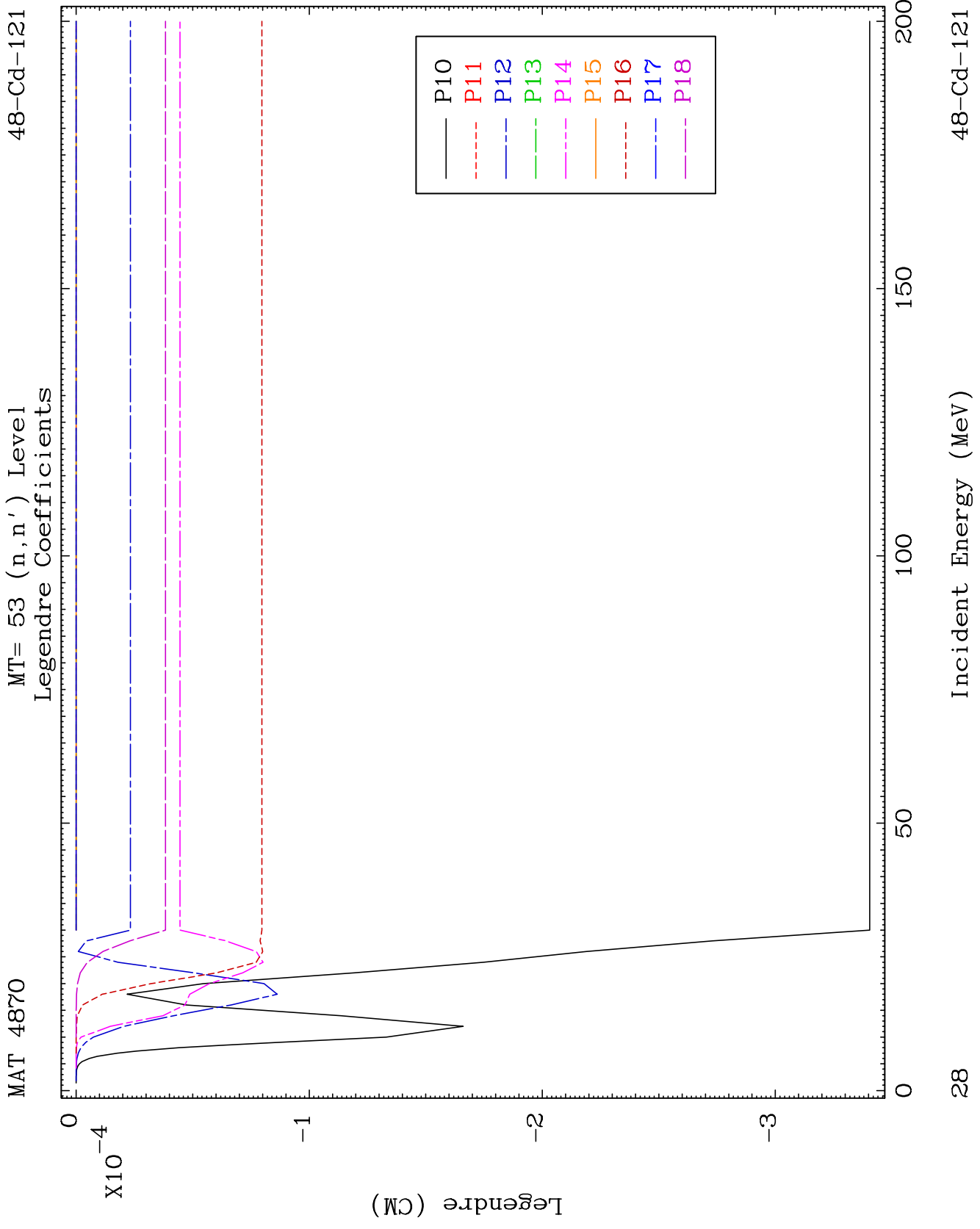
25

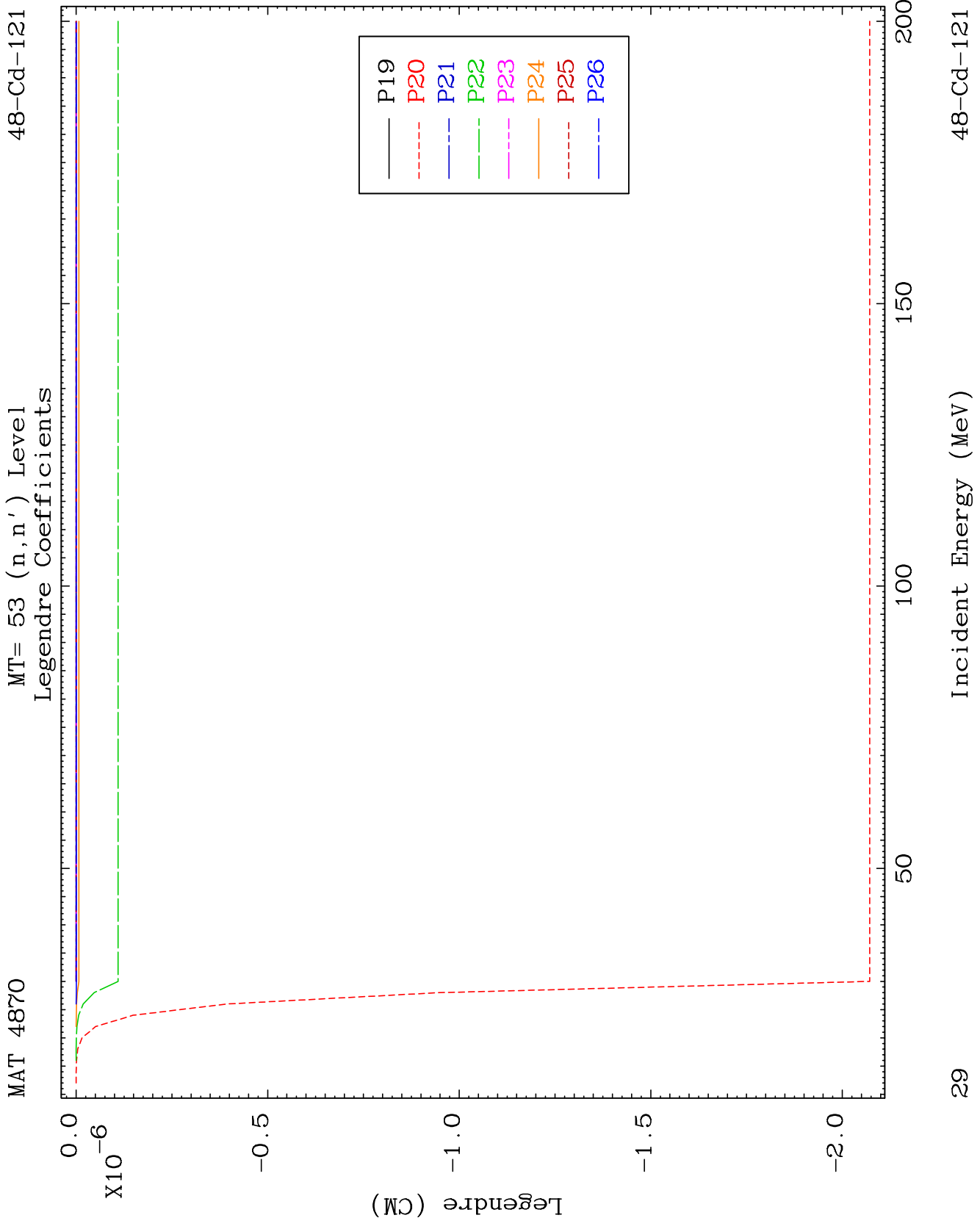
Incident Energy (MeV)

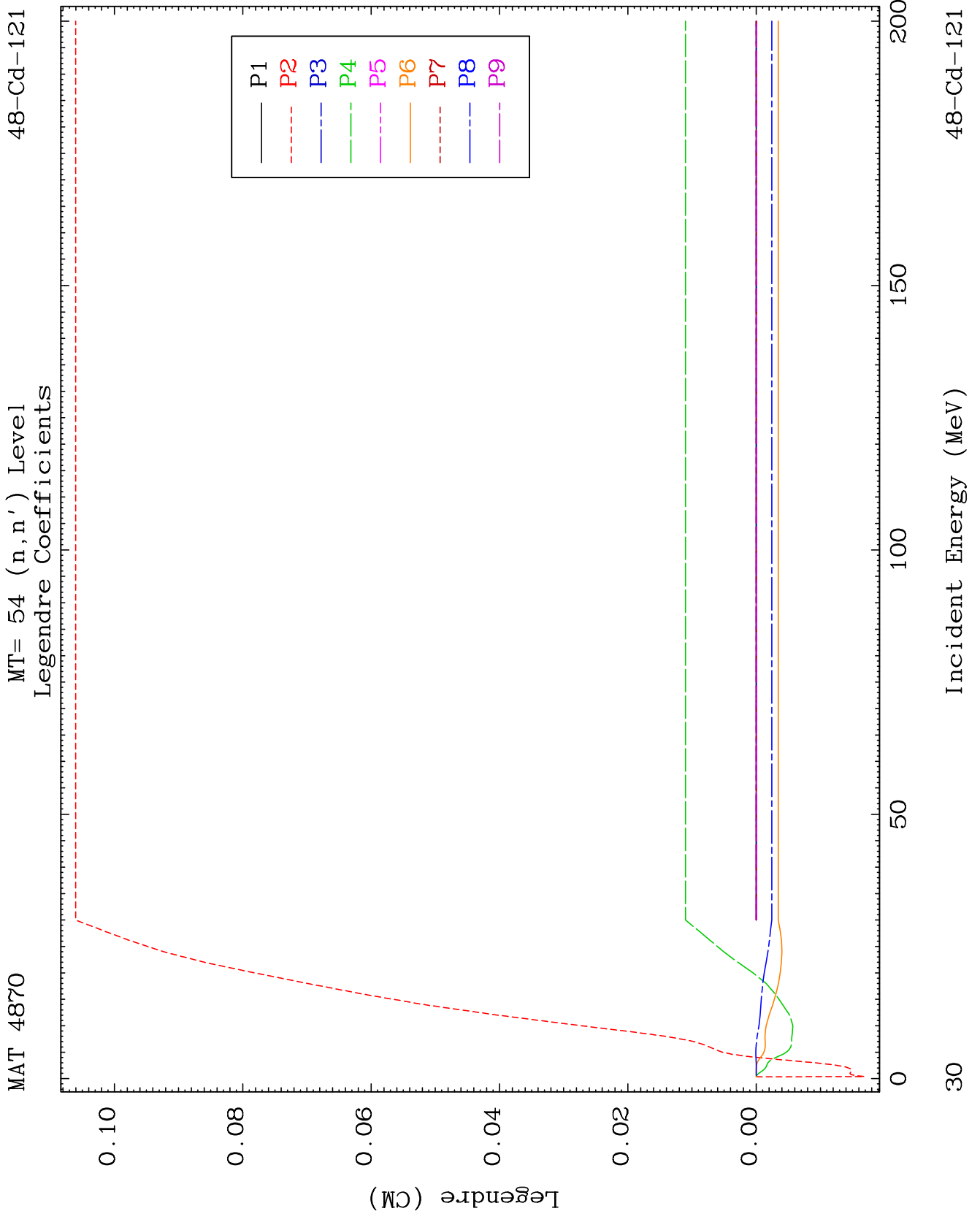
48-Cd-121

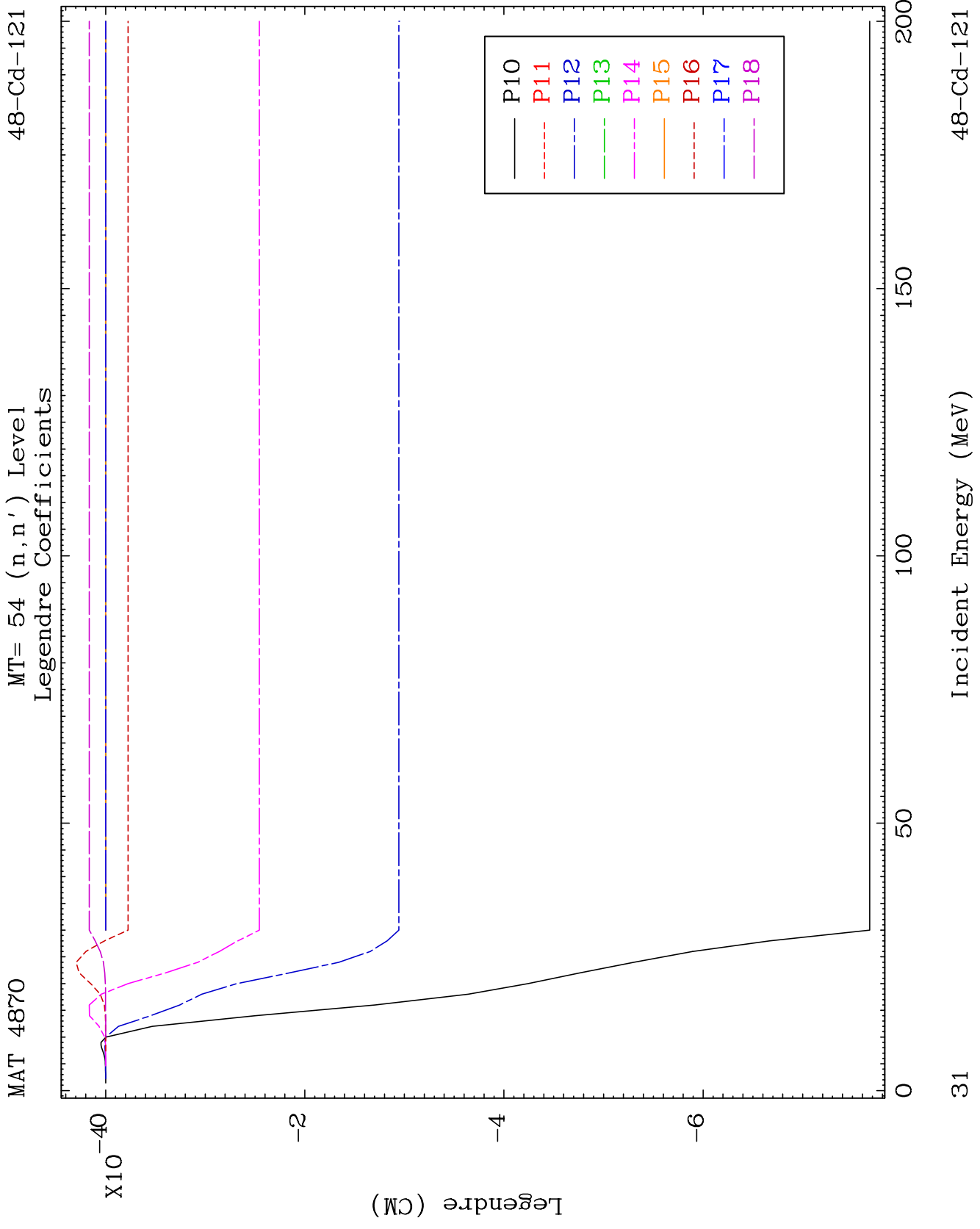


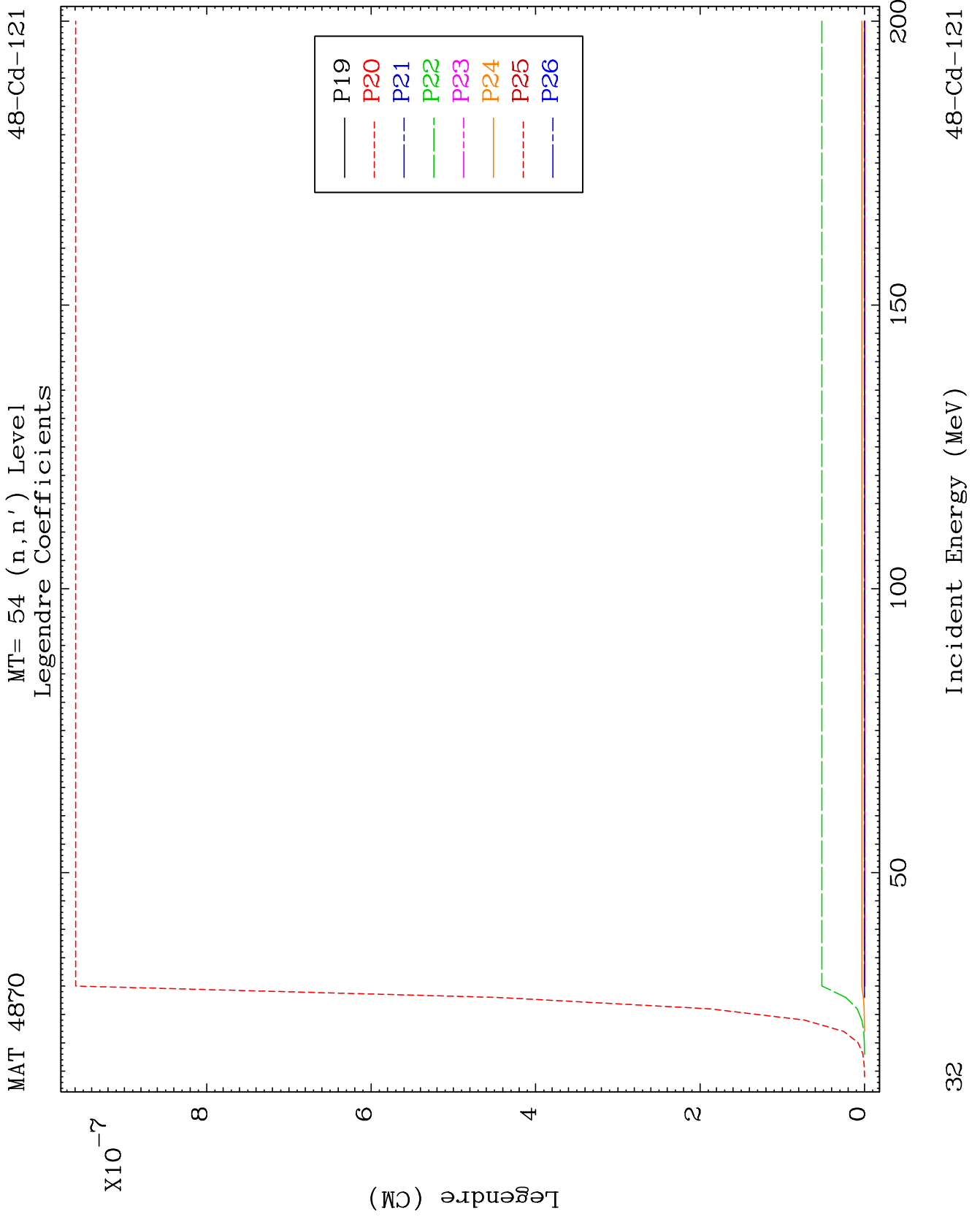


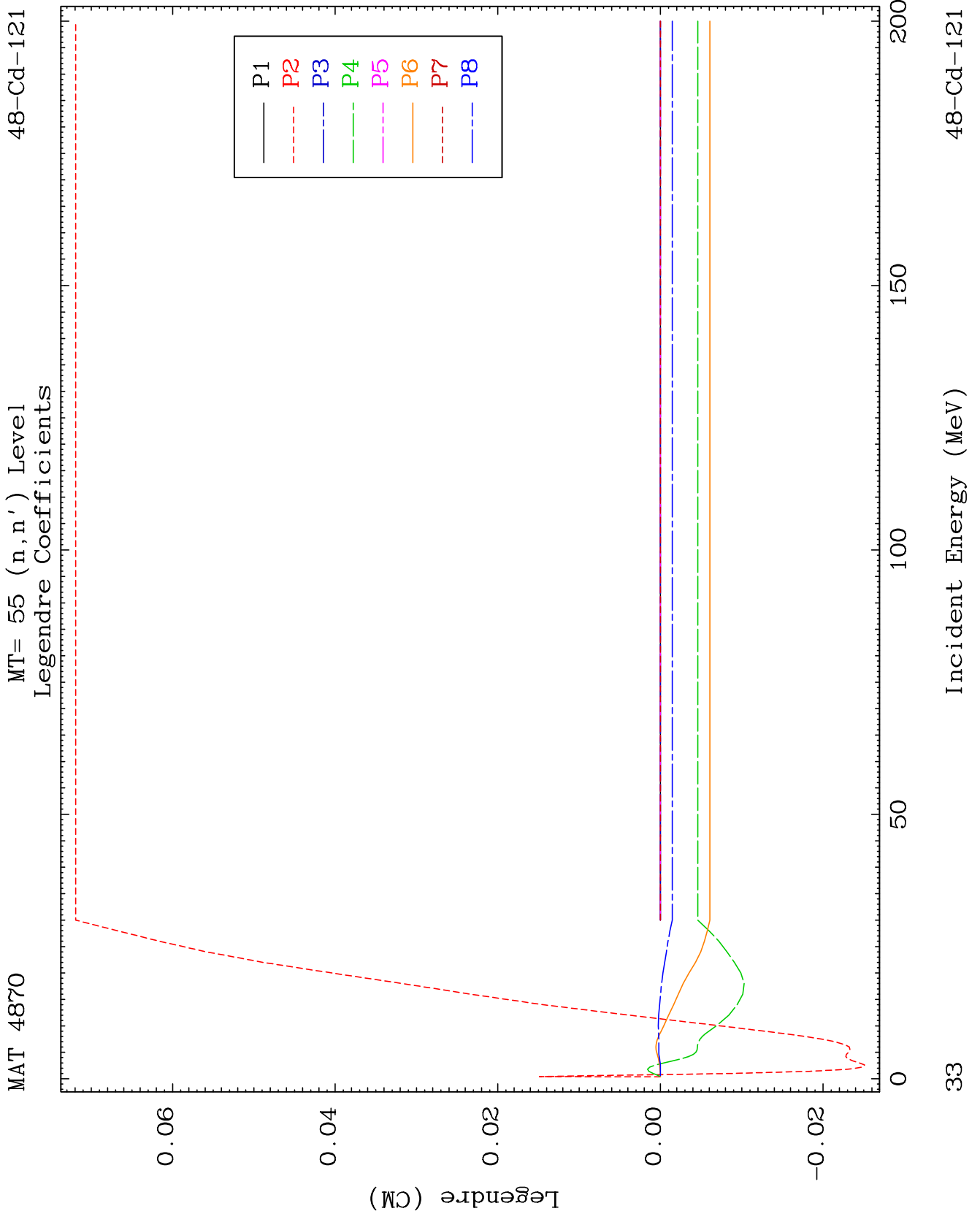


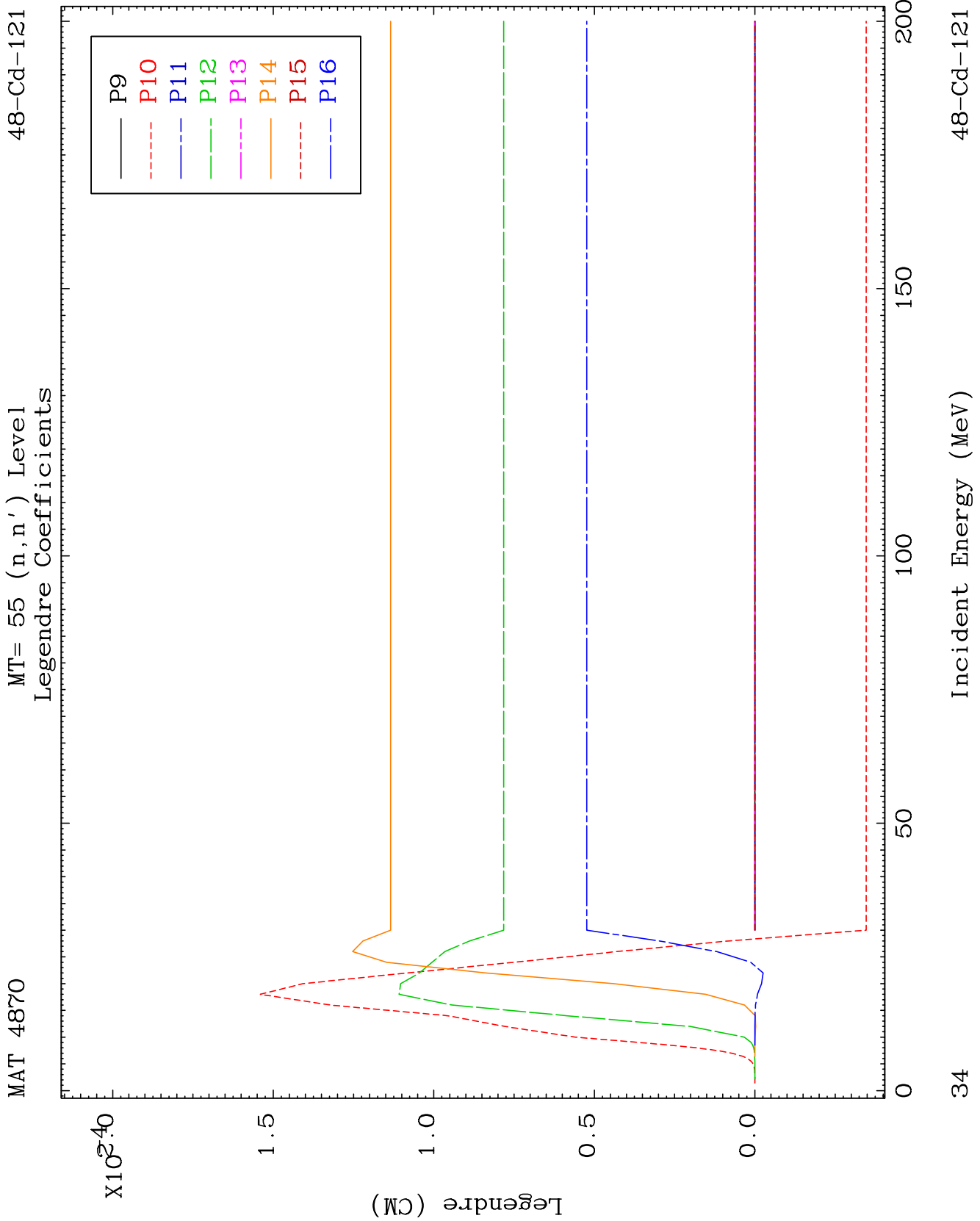


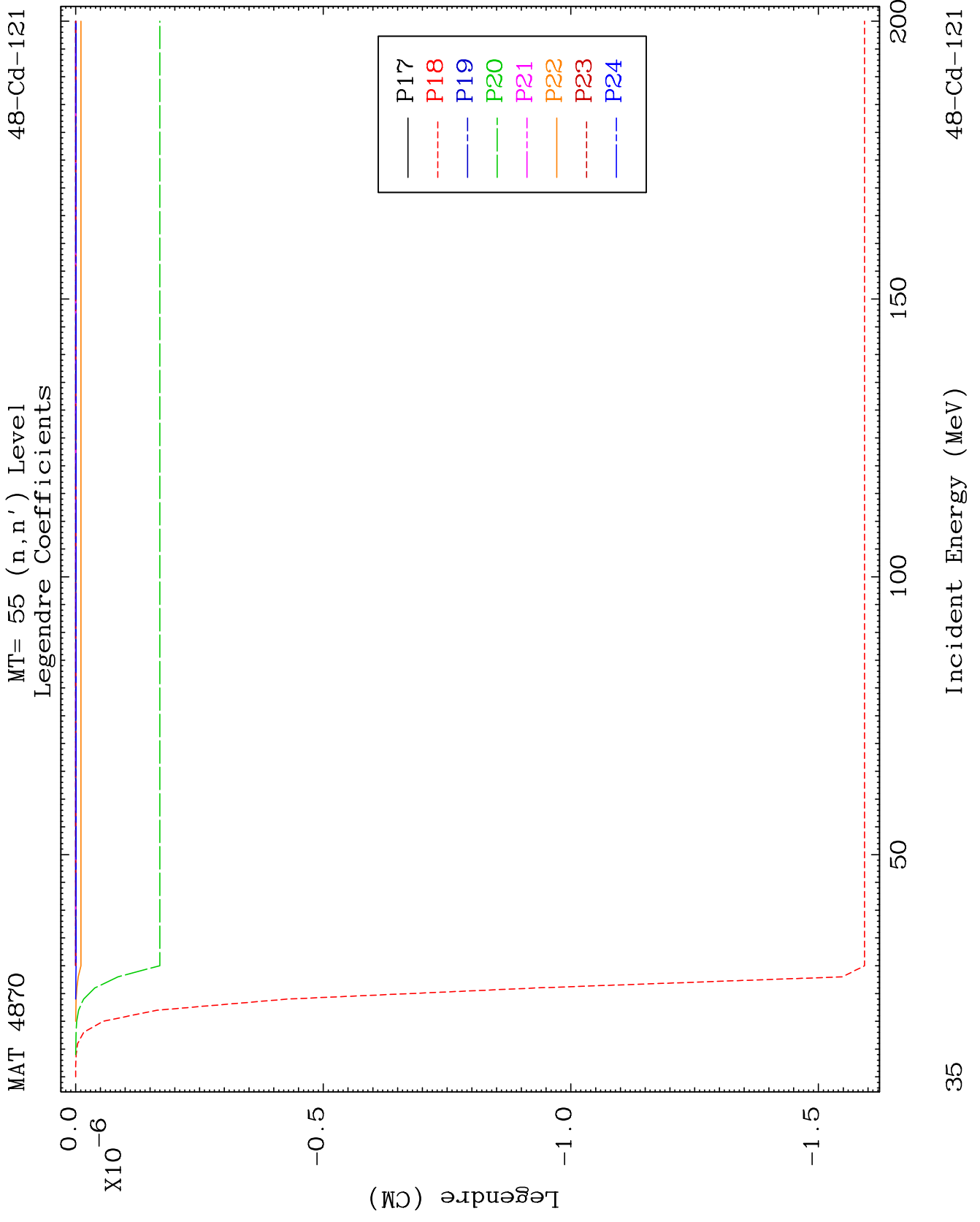


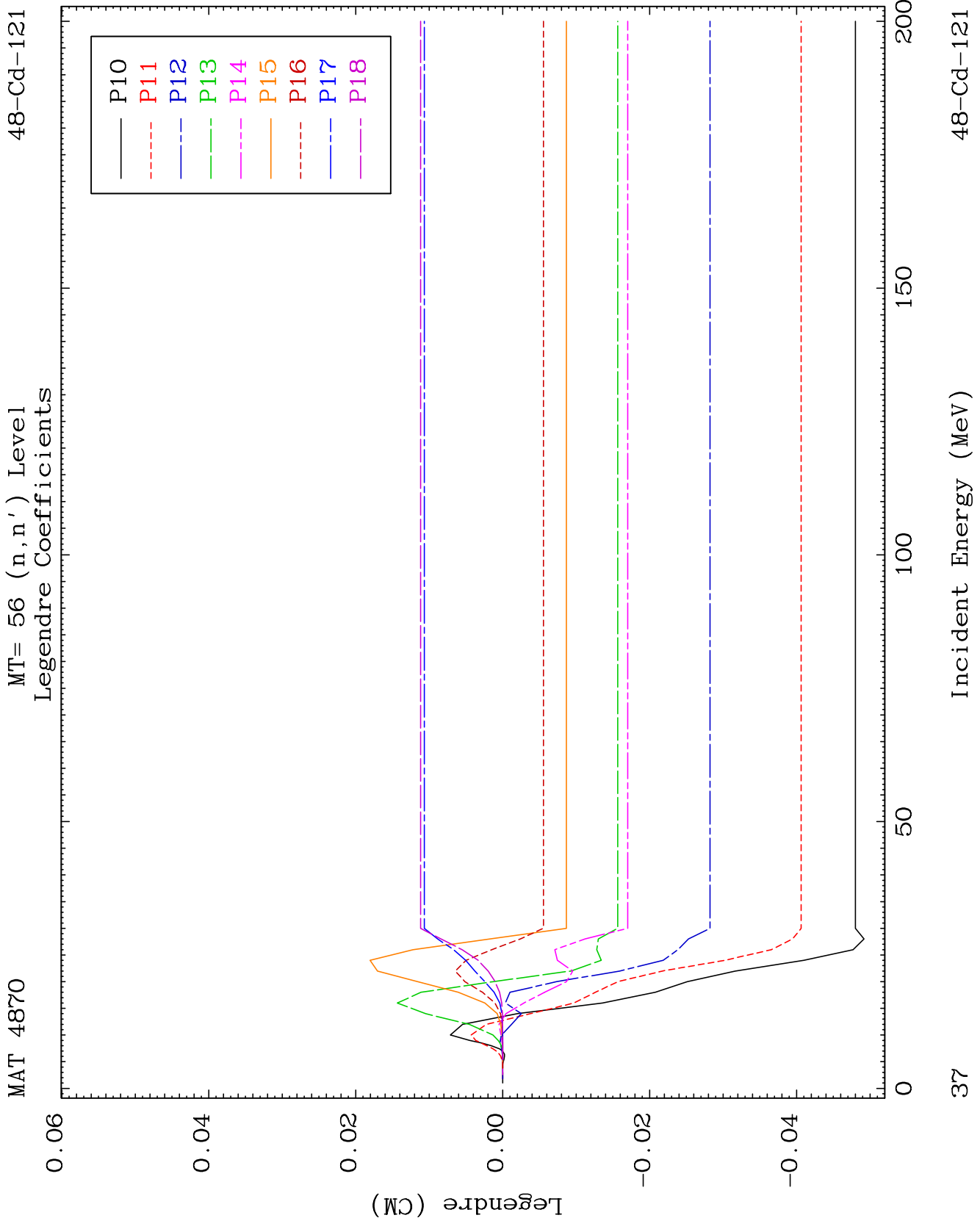








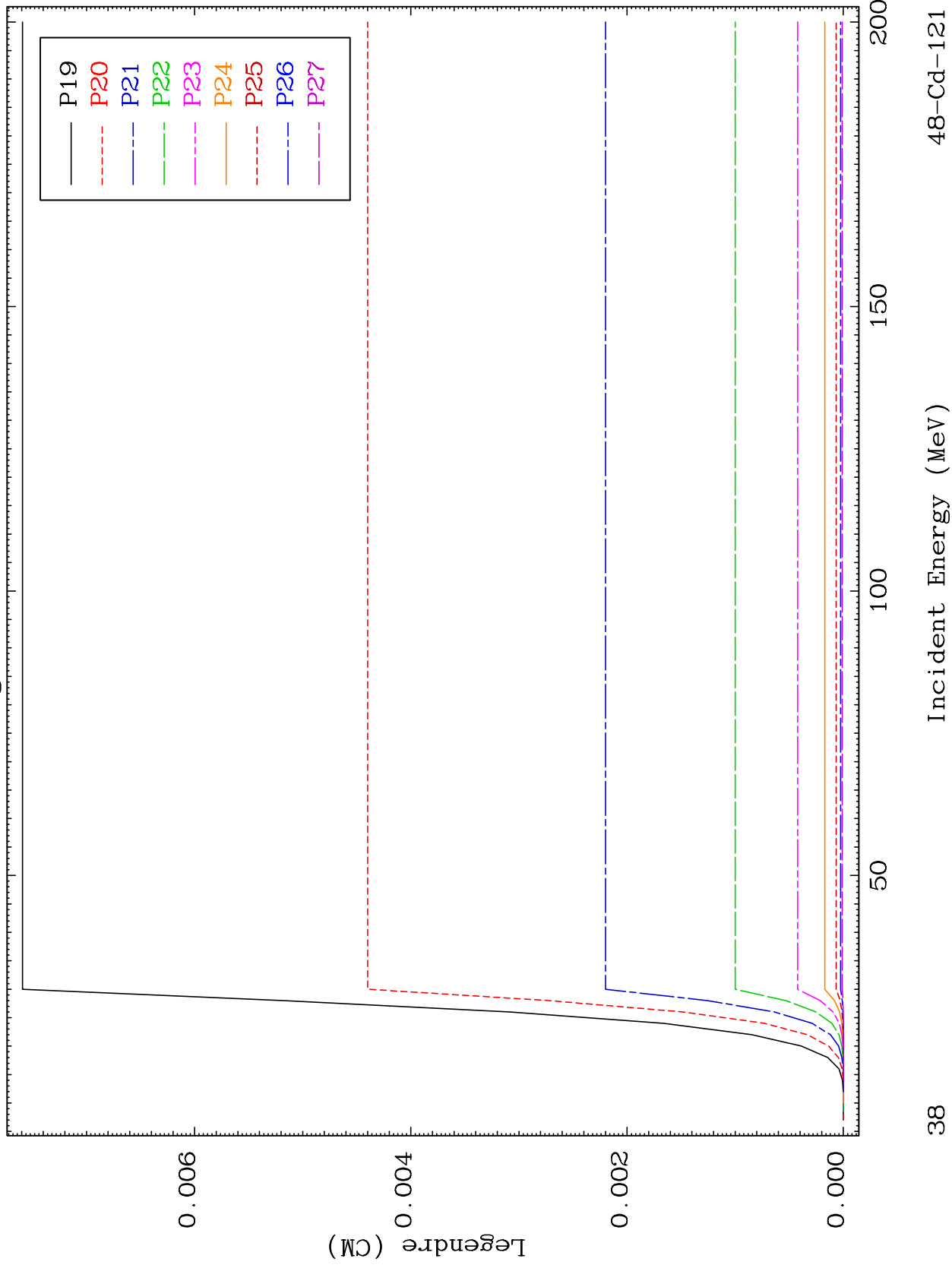




MAT 4870

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

48-Cd-121



38

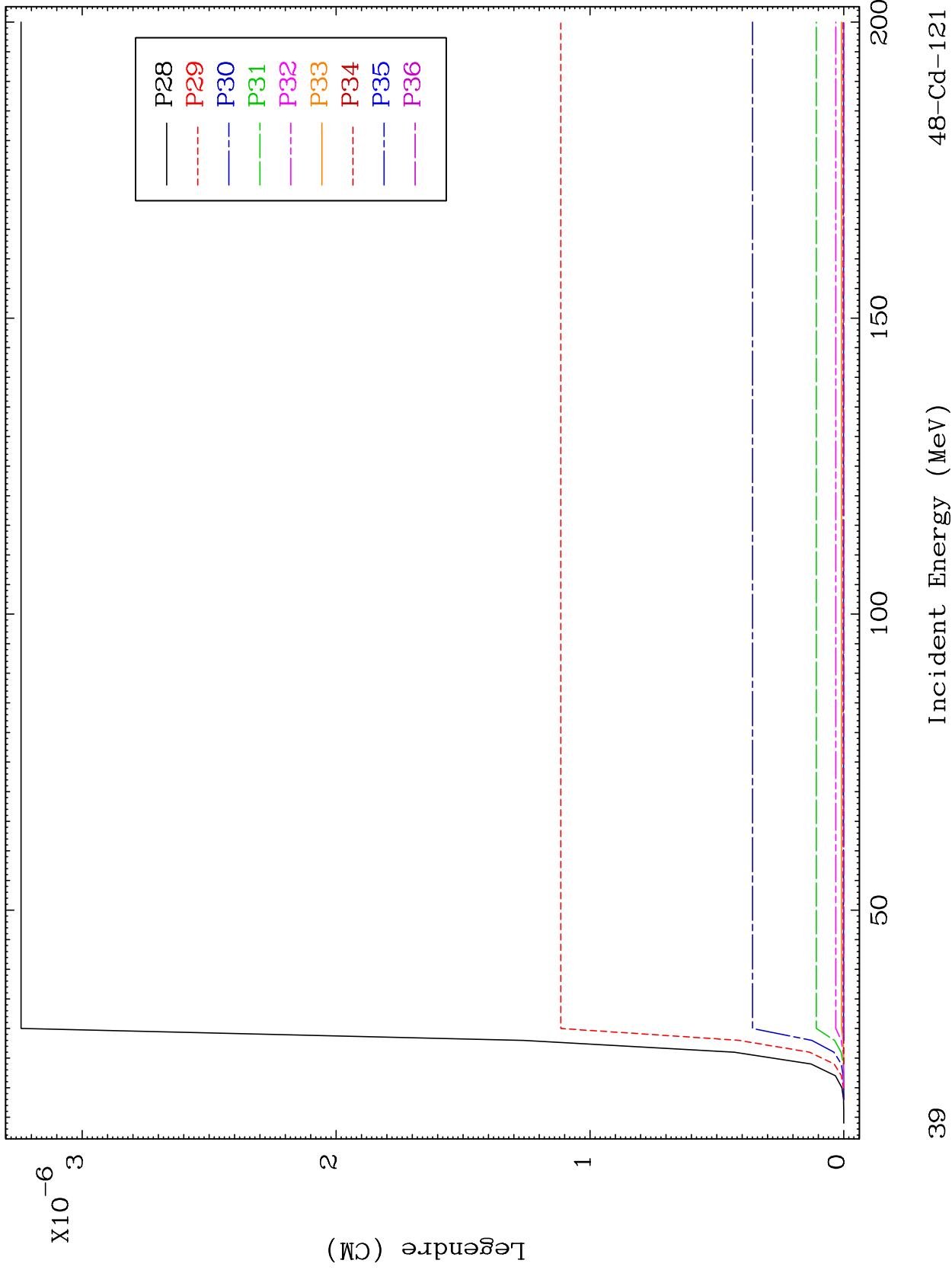
Incident Energy (MeV)

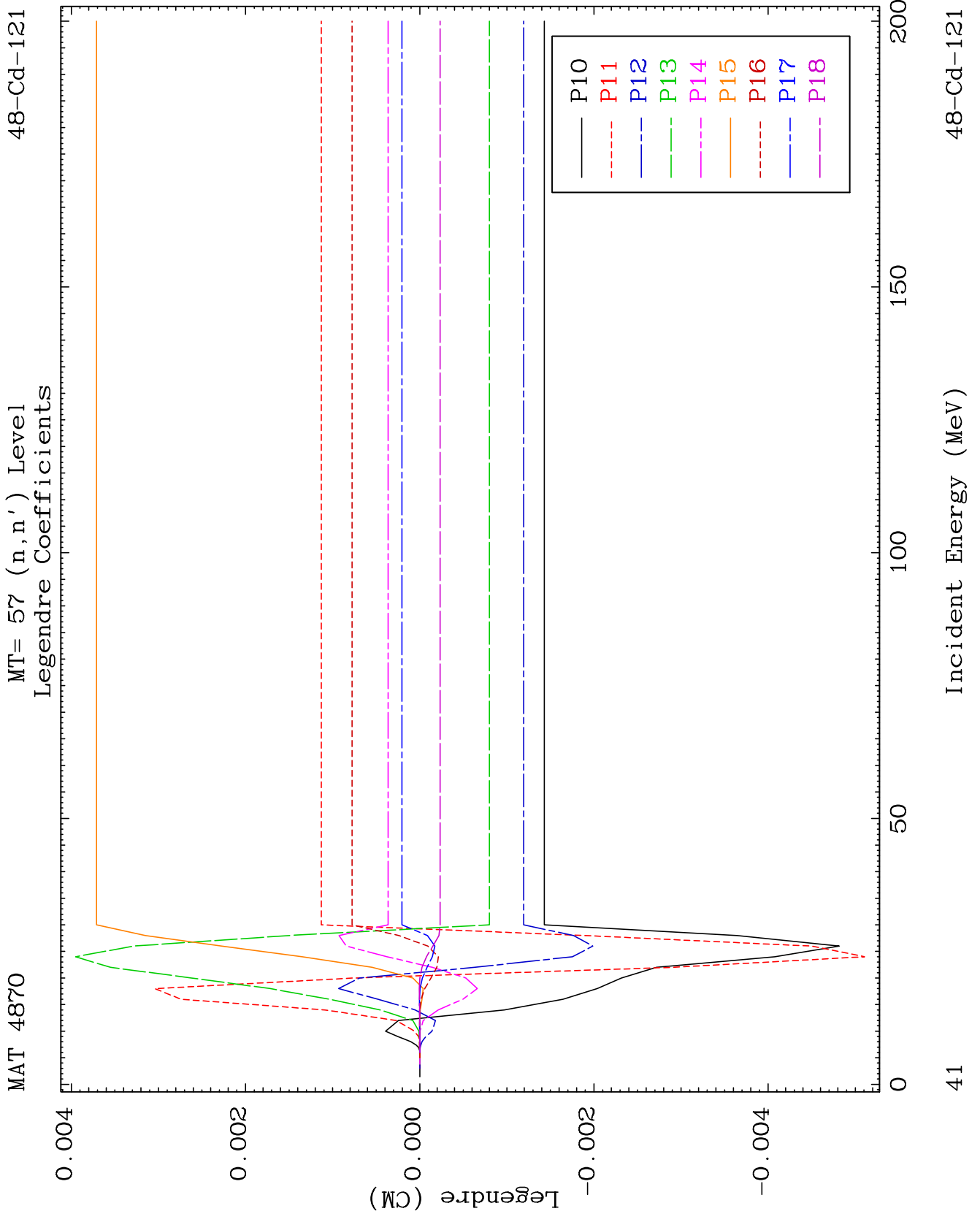
48-Cd-121

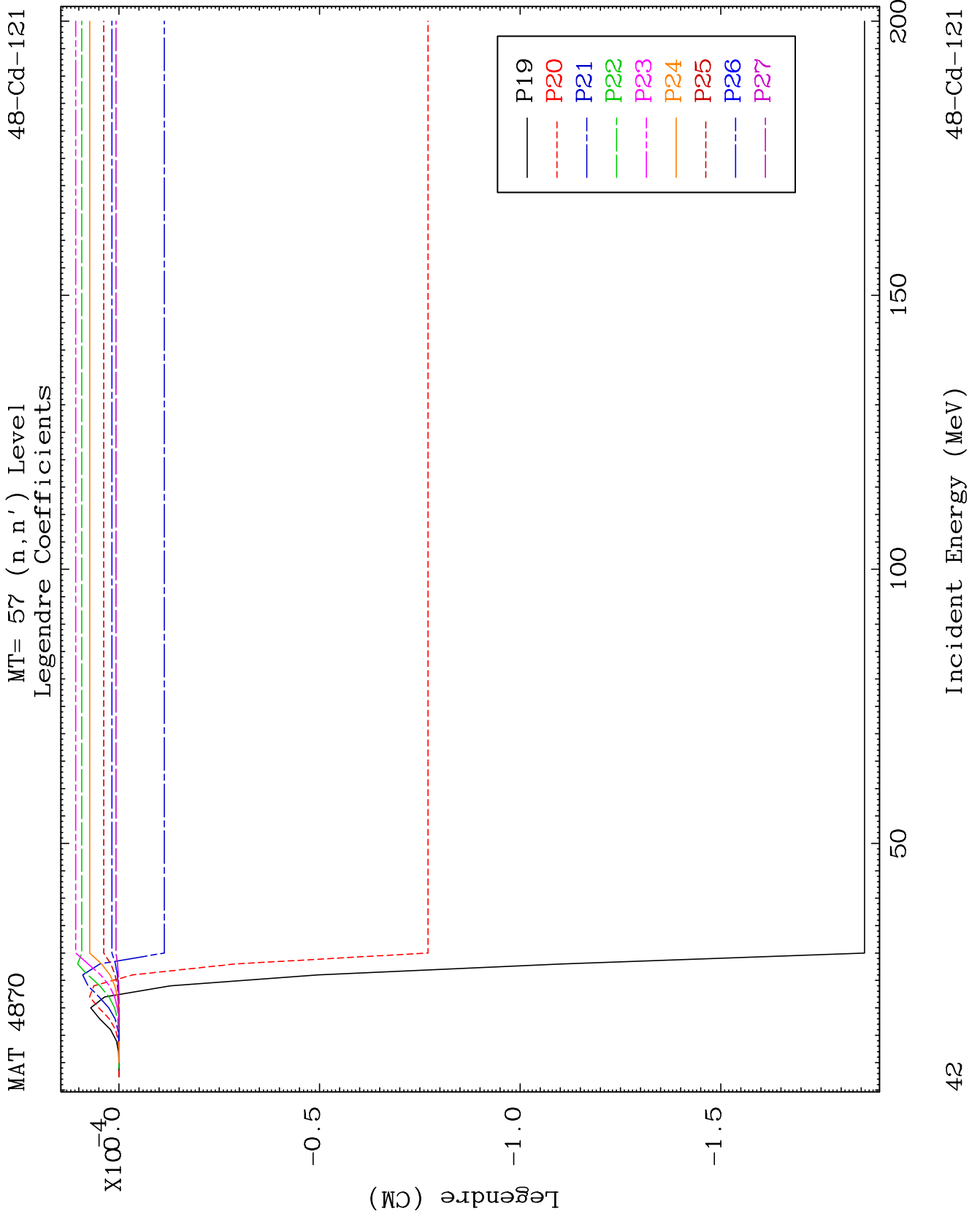
MAT 4870

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

48-Cd-121



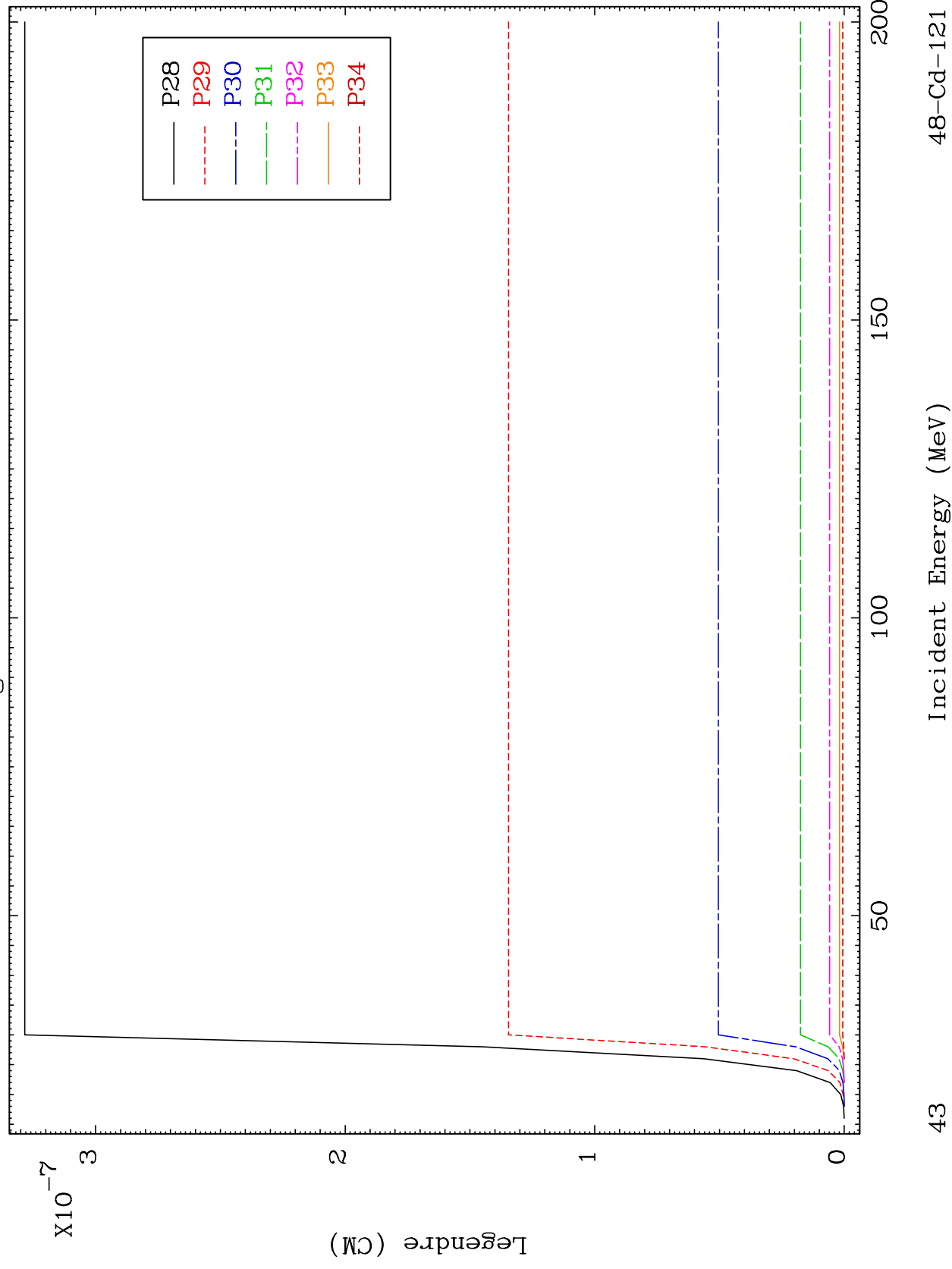




MAT 4870

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

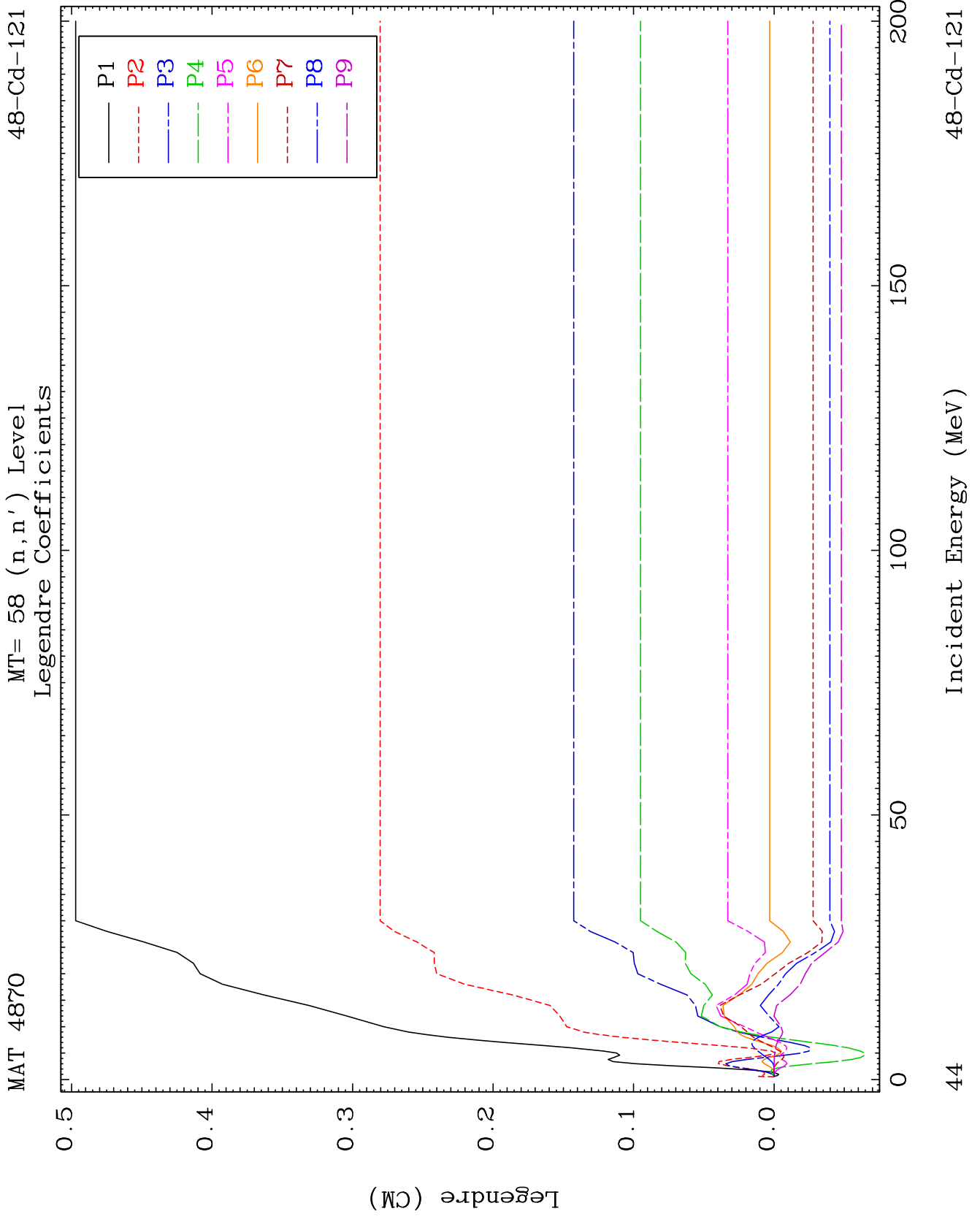
48-Cd-121



43

Incident Energy (MeV)

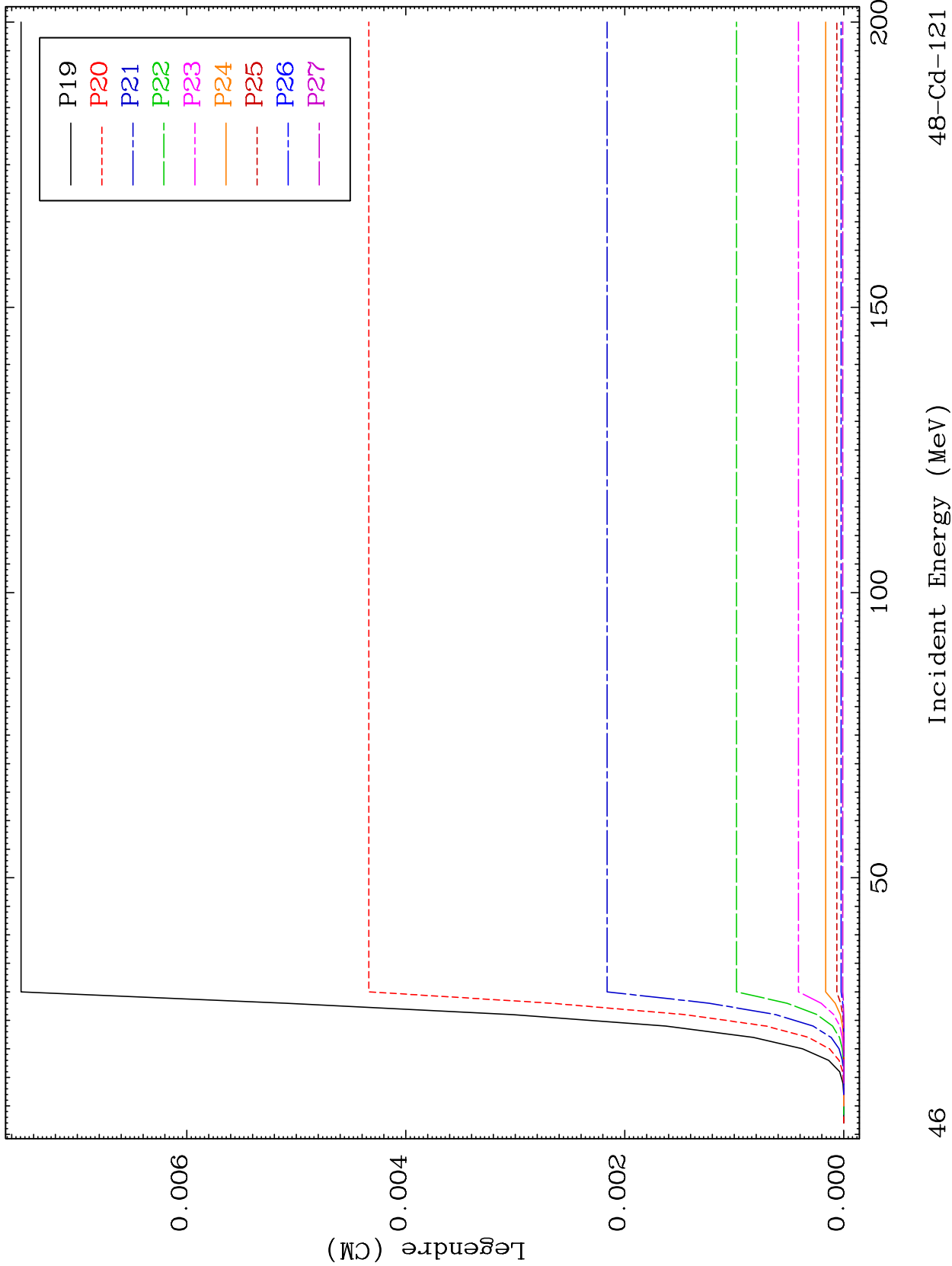
48-Cd-121



MAT 4870

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

48-Cd-121



46

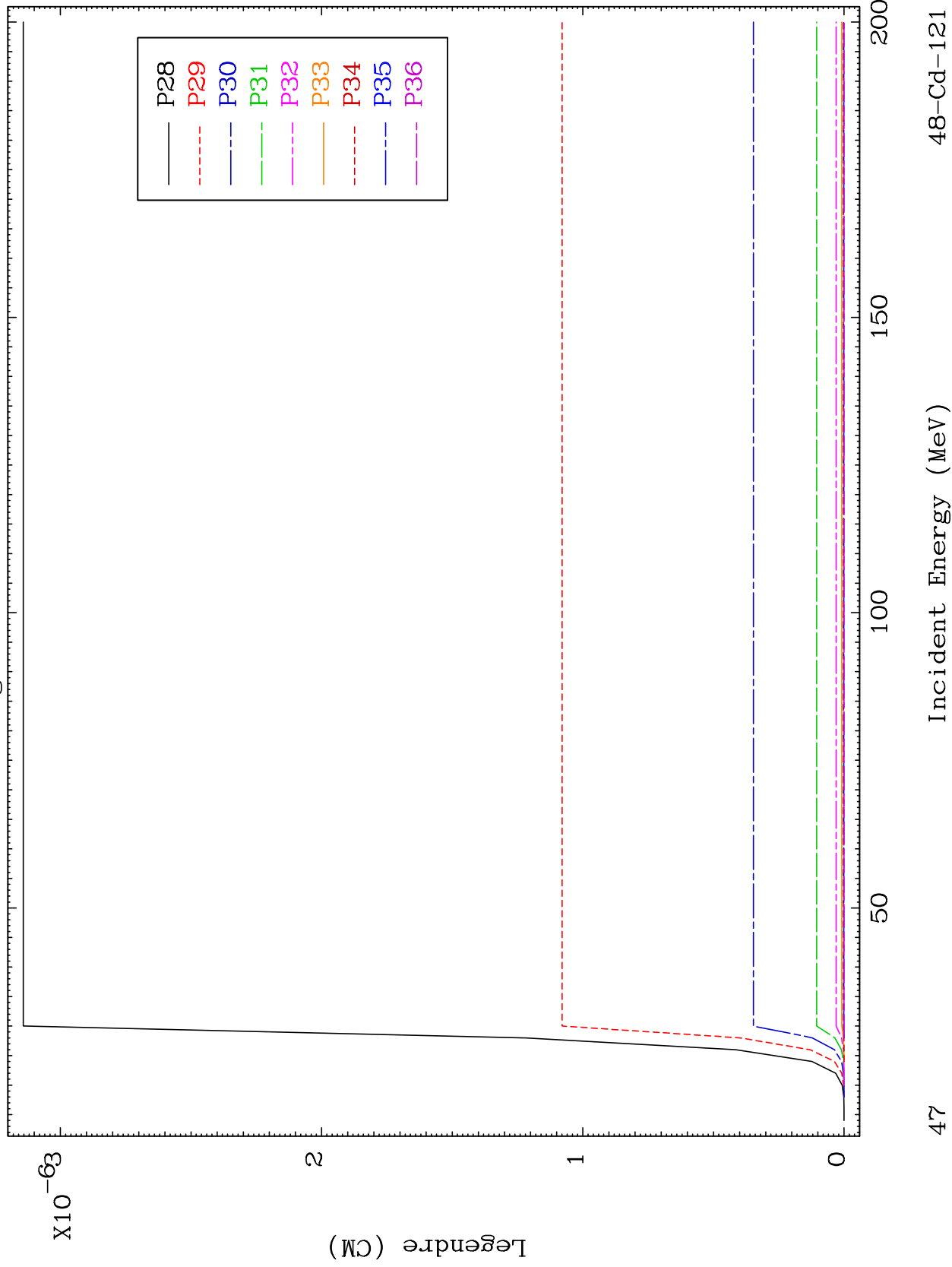
Incident Energy (MeV)

48-Cd-121

MAT 4870

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

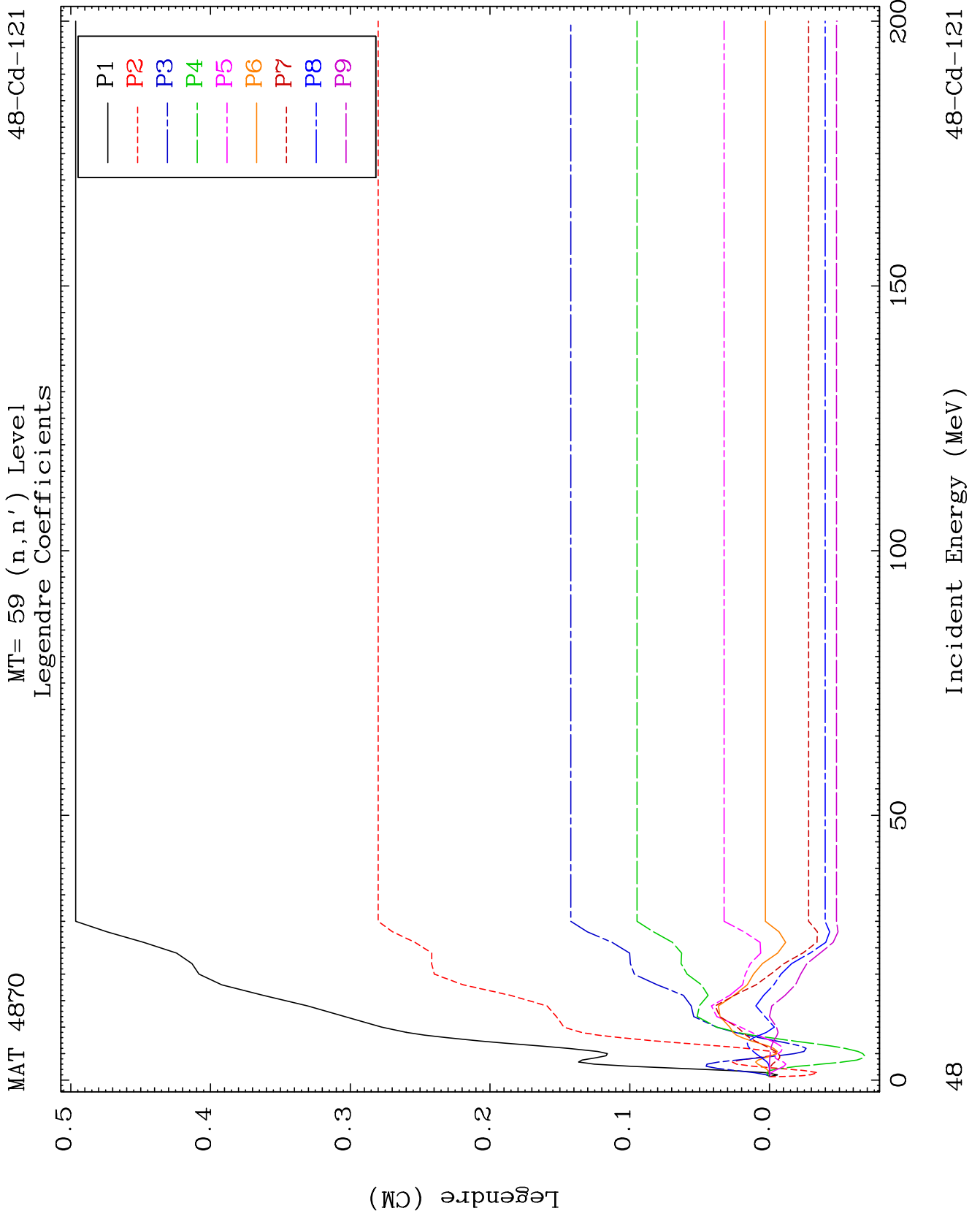
48-Cd-121



47

Incident Energy (MeV)

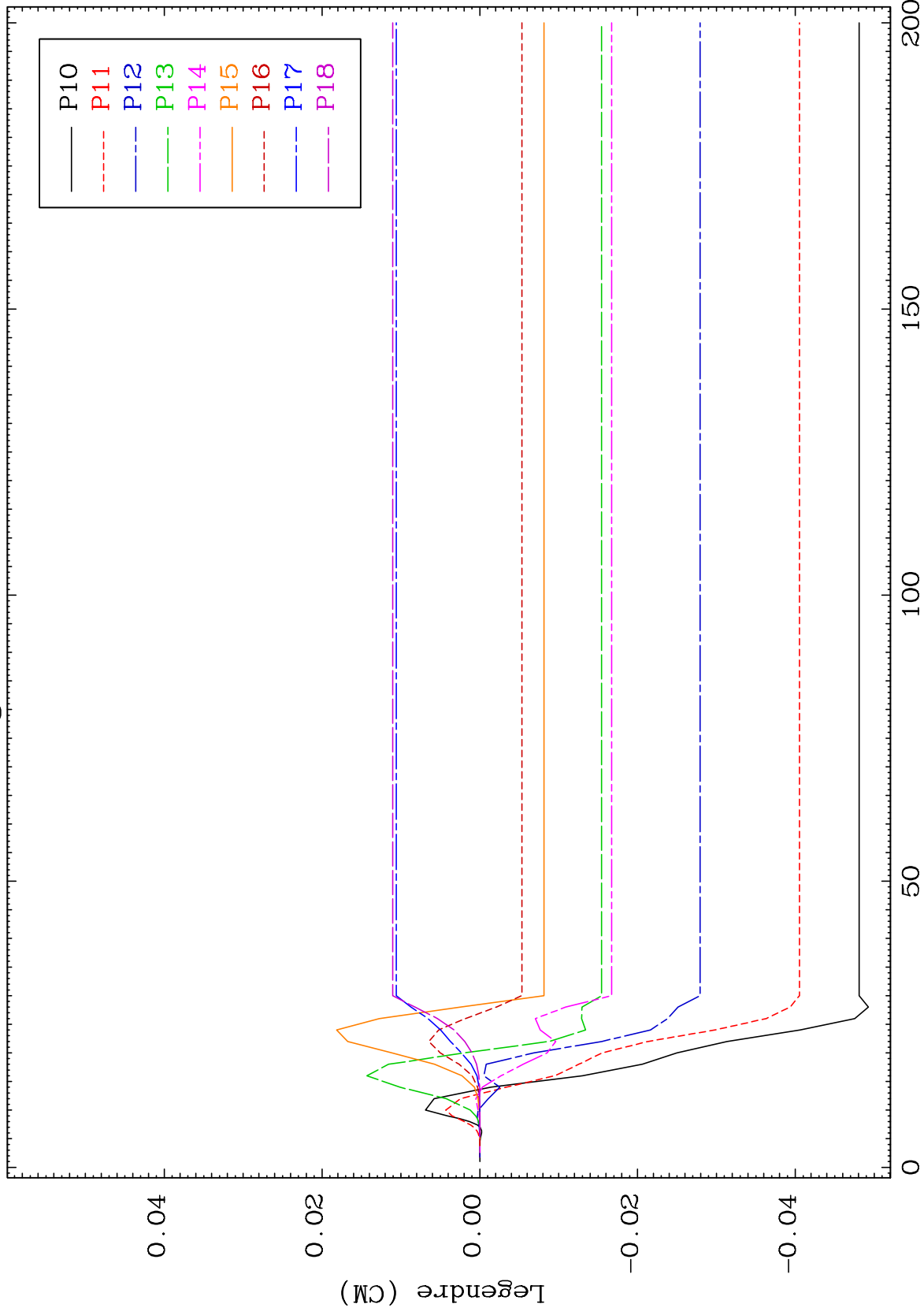
48-Cd-121



MAT 4870

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

48-Cd-121



49

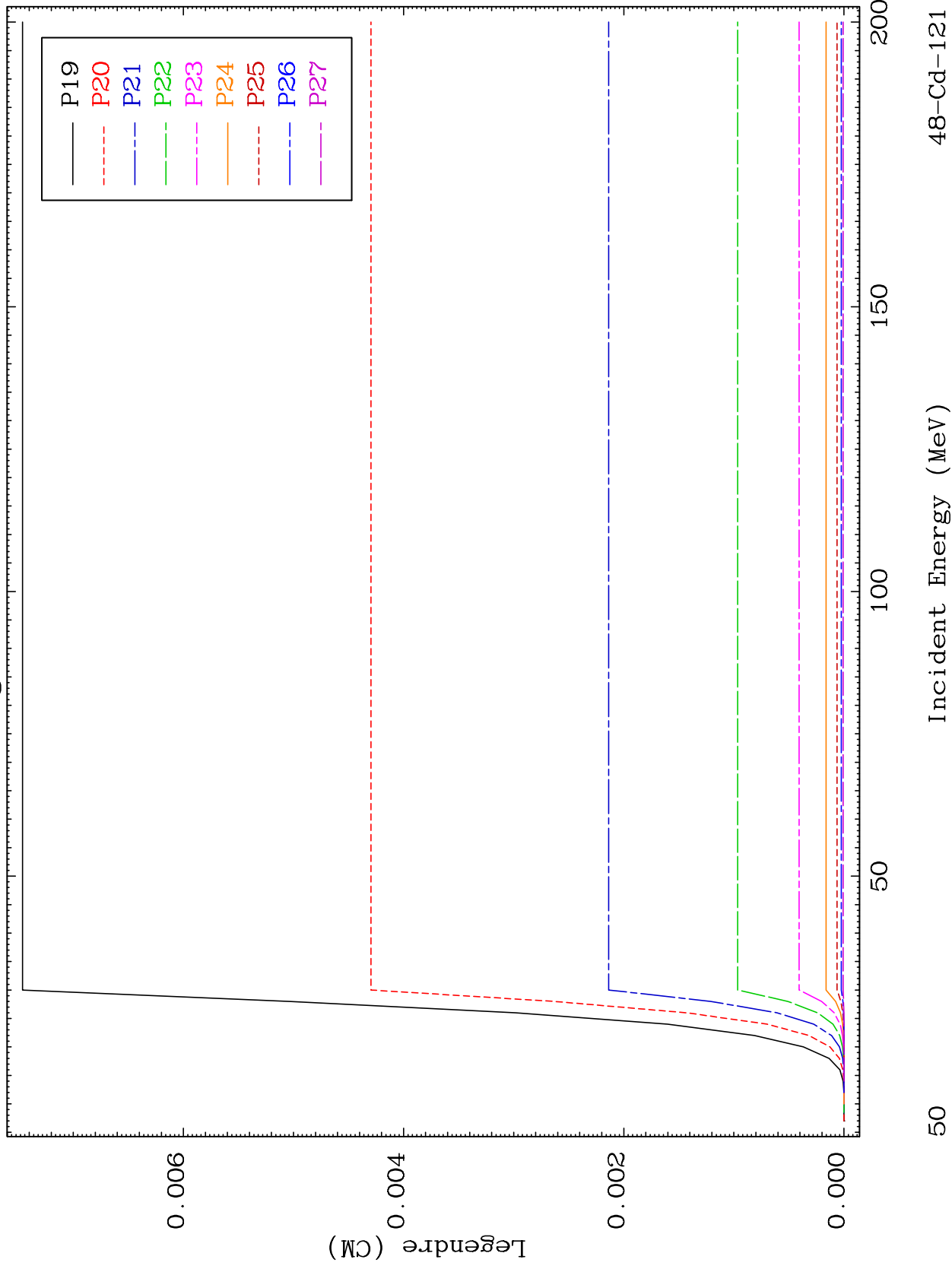
Incident Energy (MeV)

48-Cd-121

MAT 4870

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

48-Cd-121



48-Cd-121

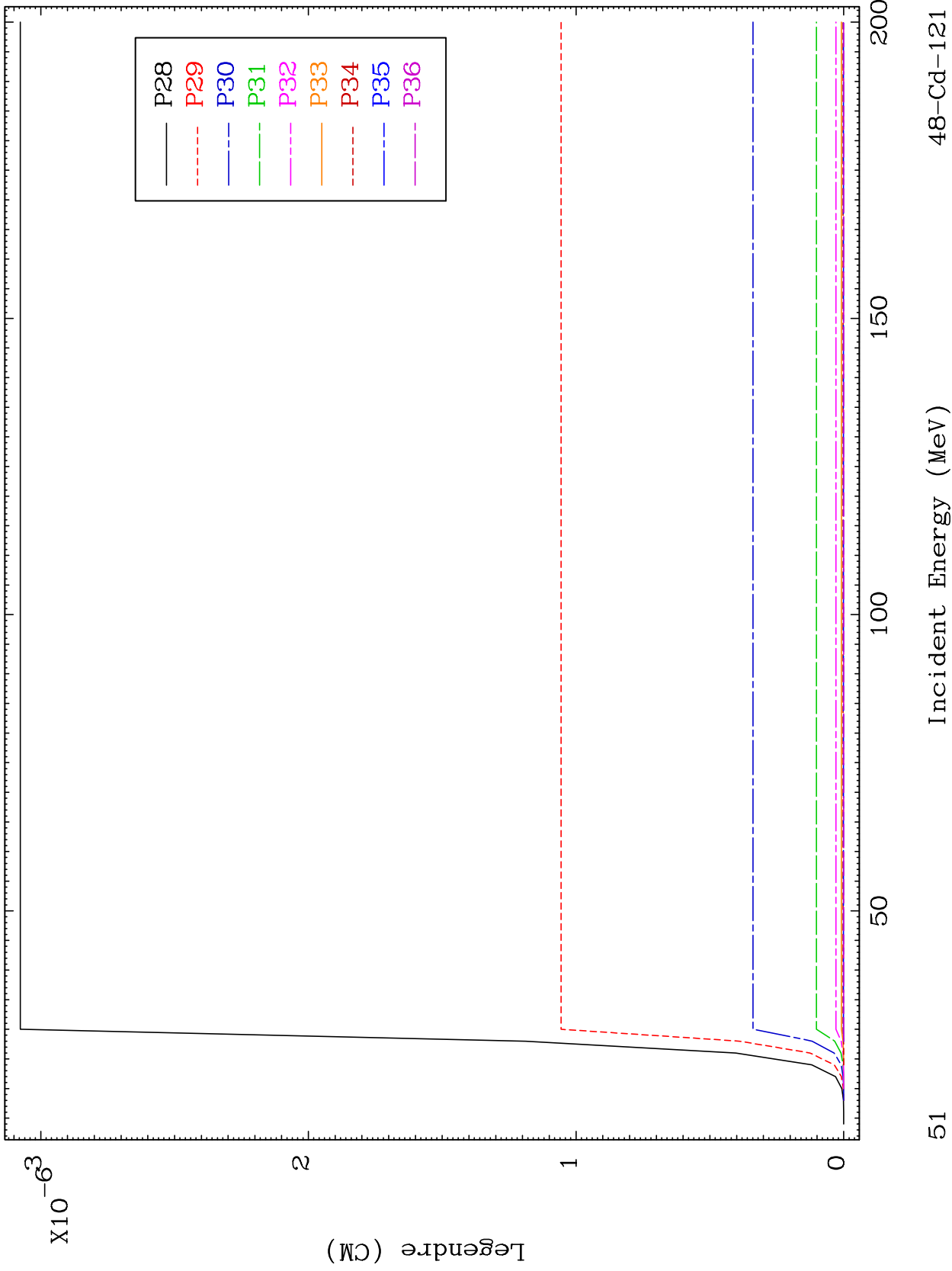
Incident Energy (MeV)

50

MAT 4870

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

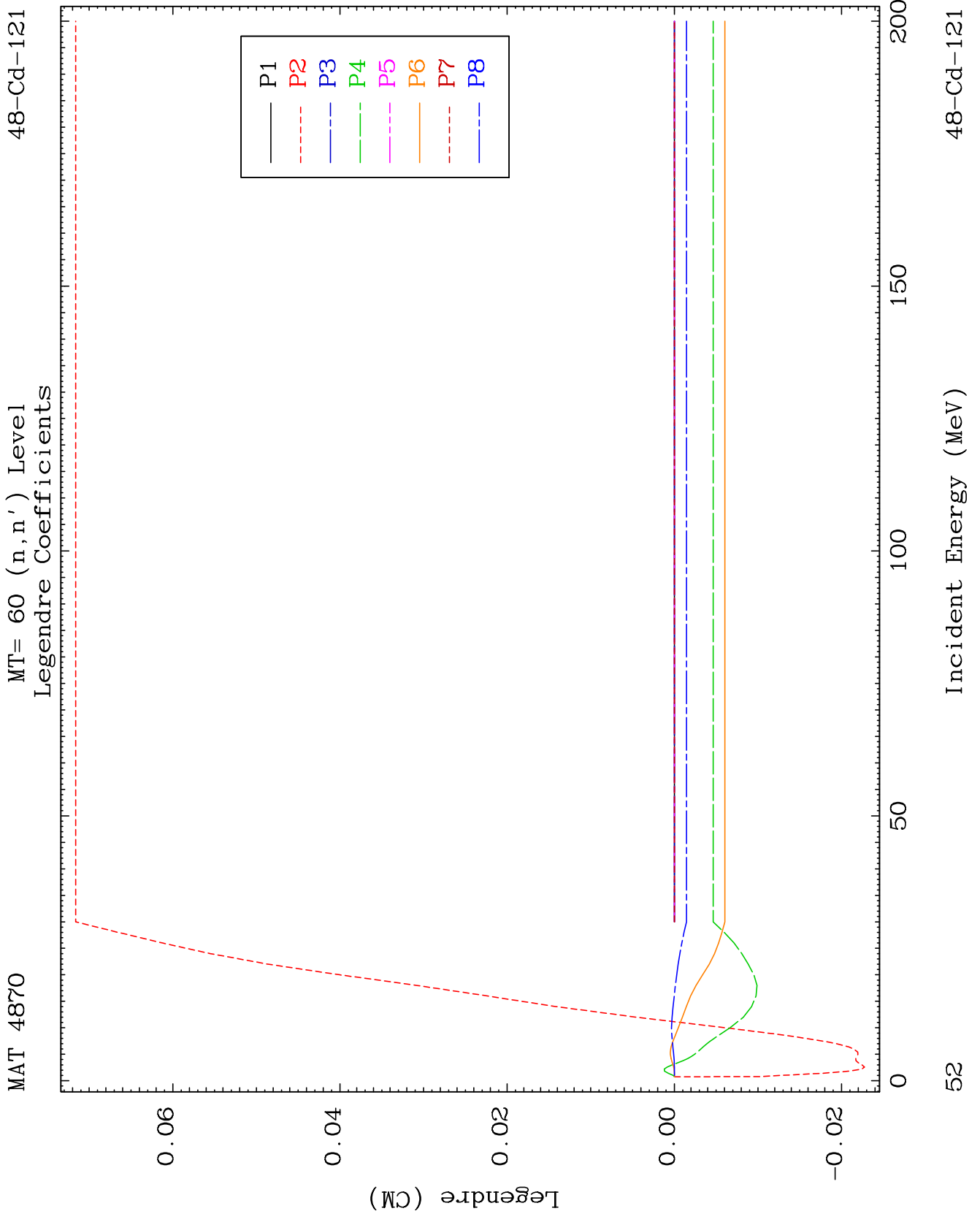
48-Cd-121



51

Incident Energy (MeV)

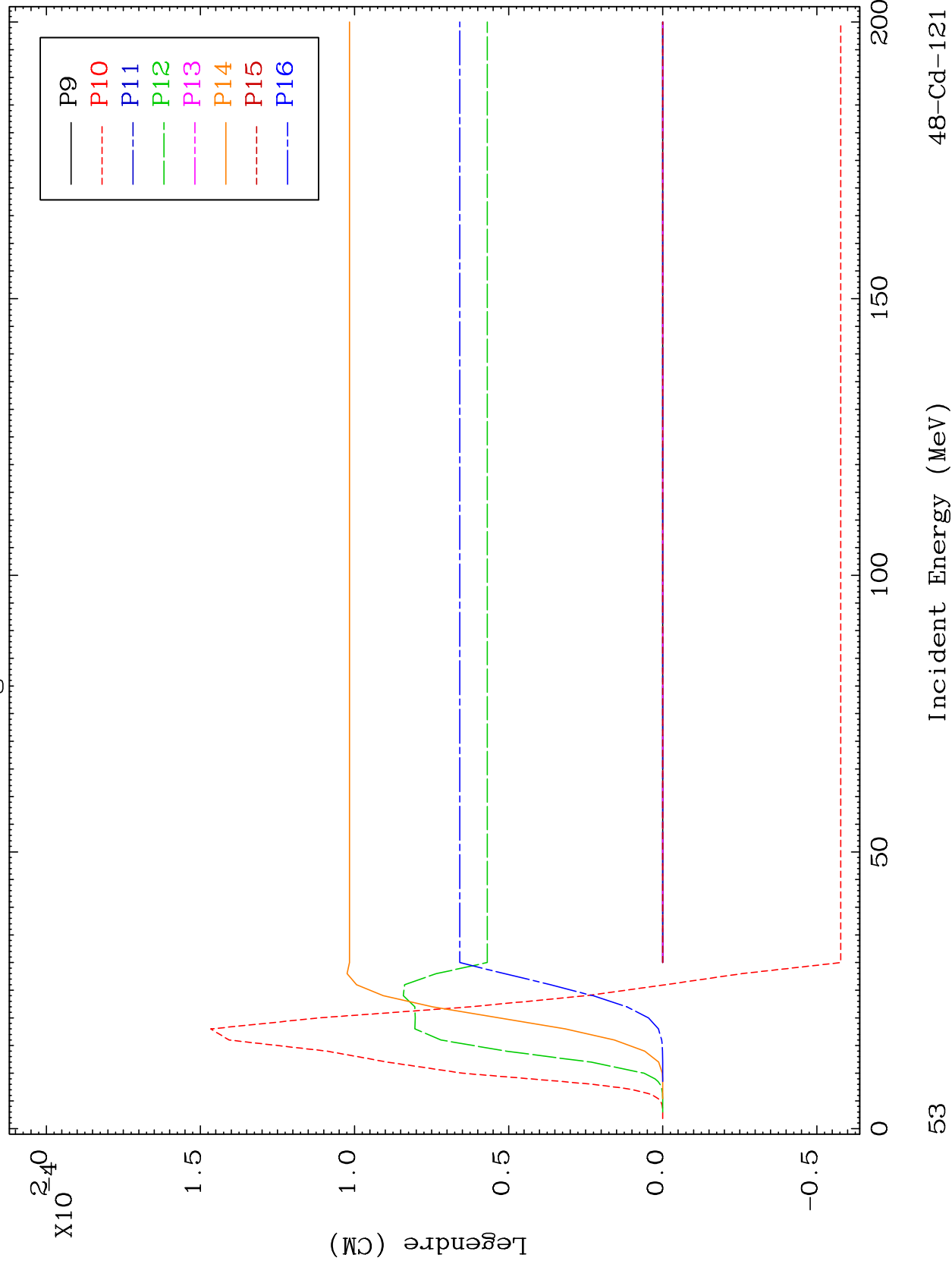
48-Cd-121



MAT 4870

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

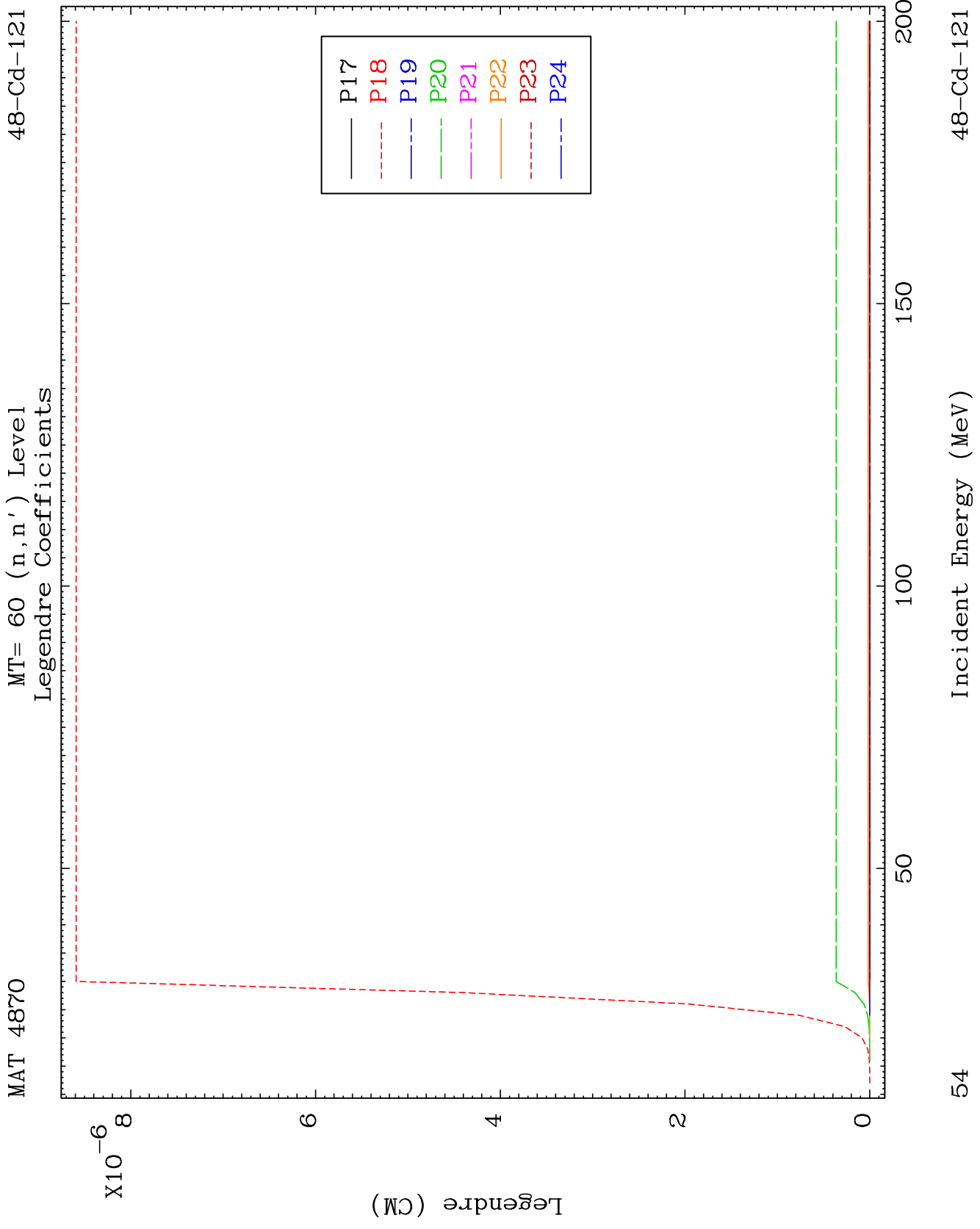
48-Cd-121



53

Incident Energy (MeV)

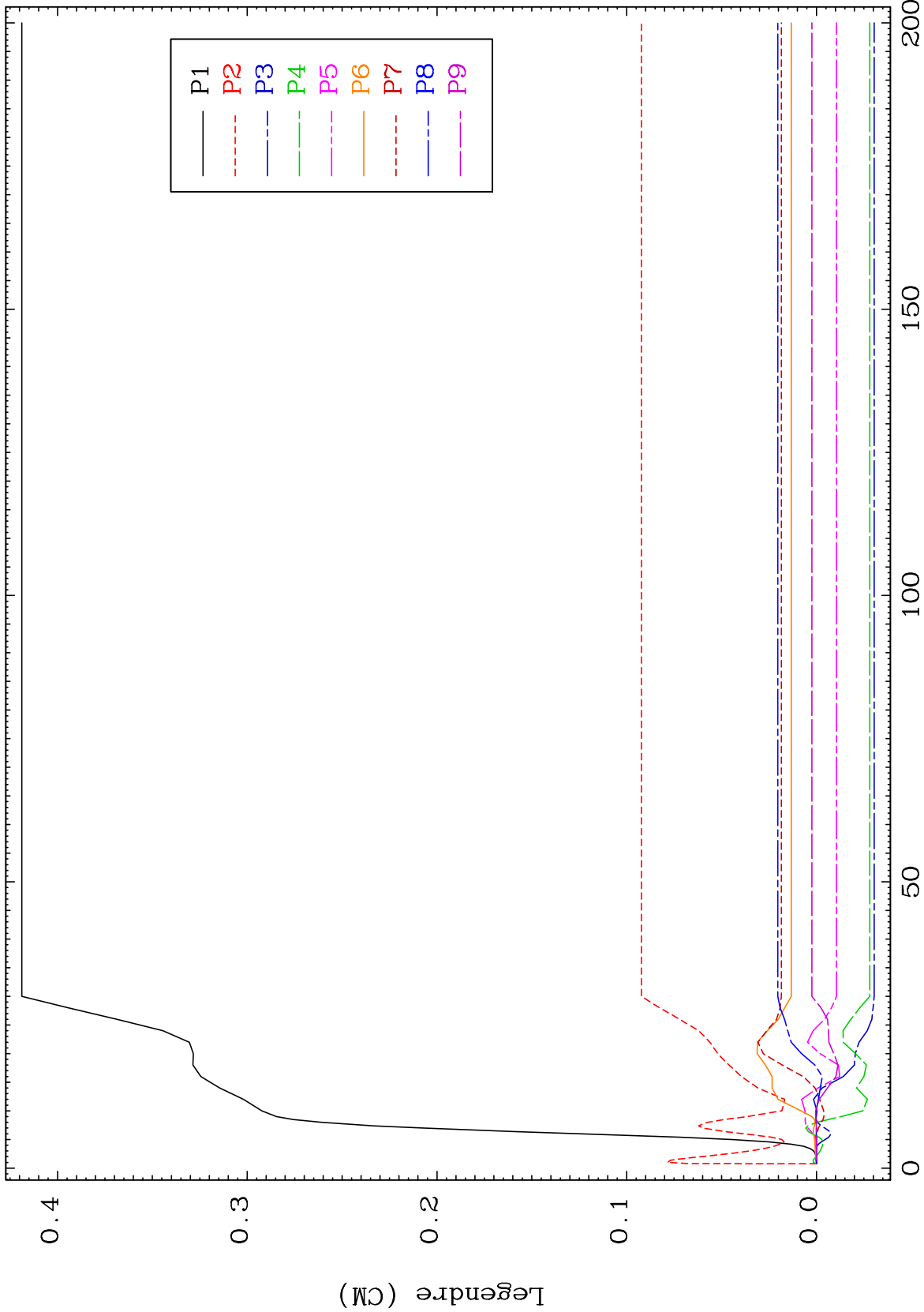
48-Cd-121



MAT 4870

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

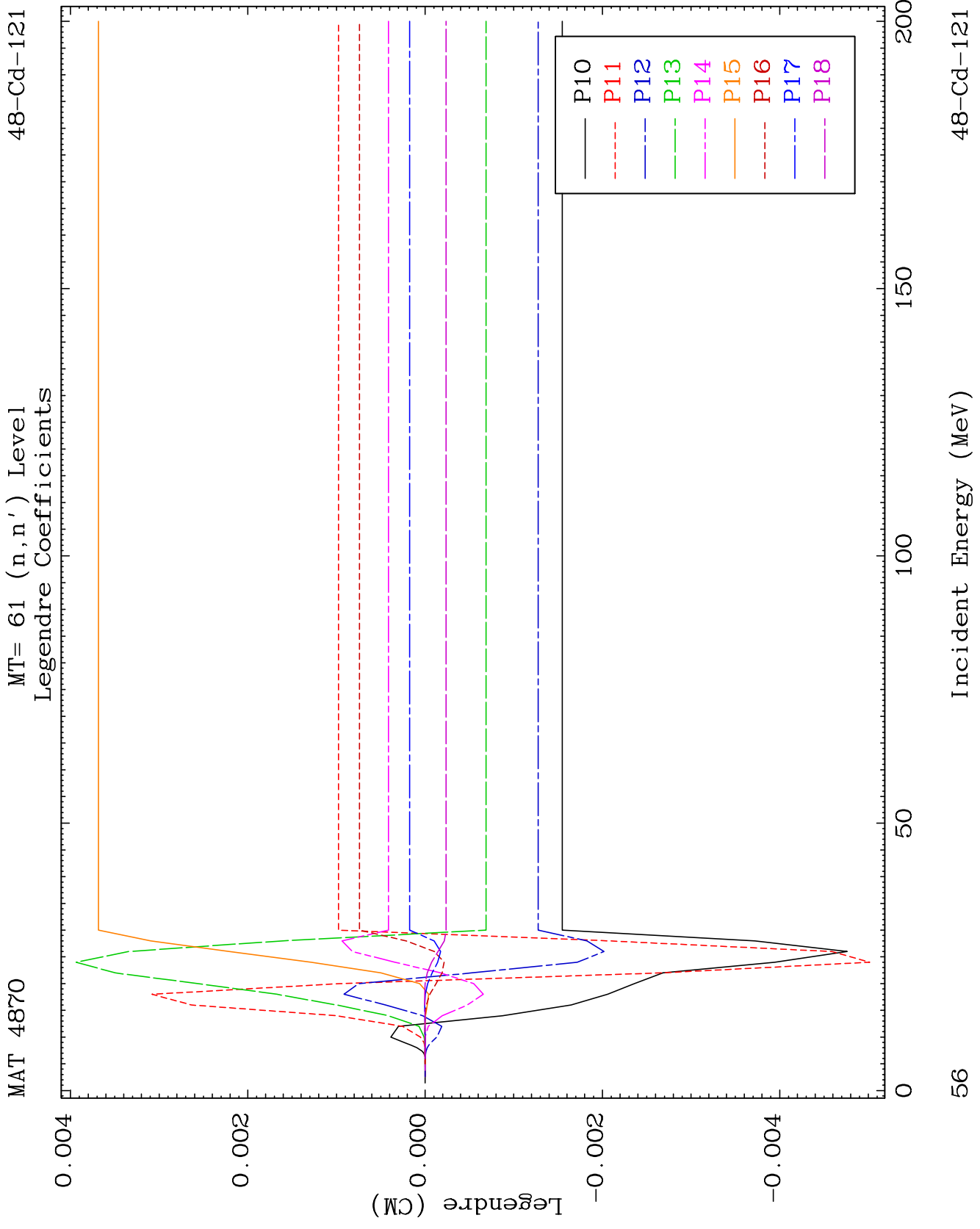
48-Cd-121



48-Cd-121

Incident Energy (MeV)

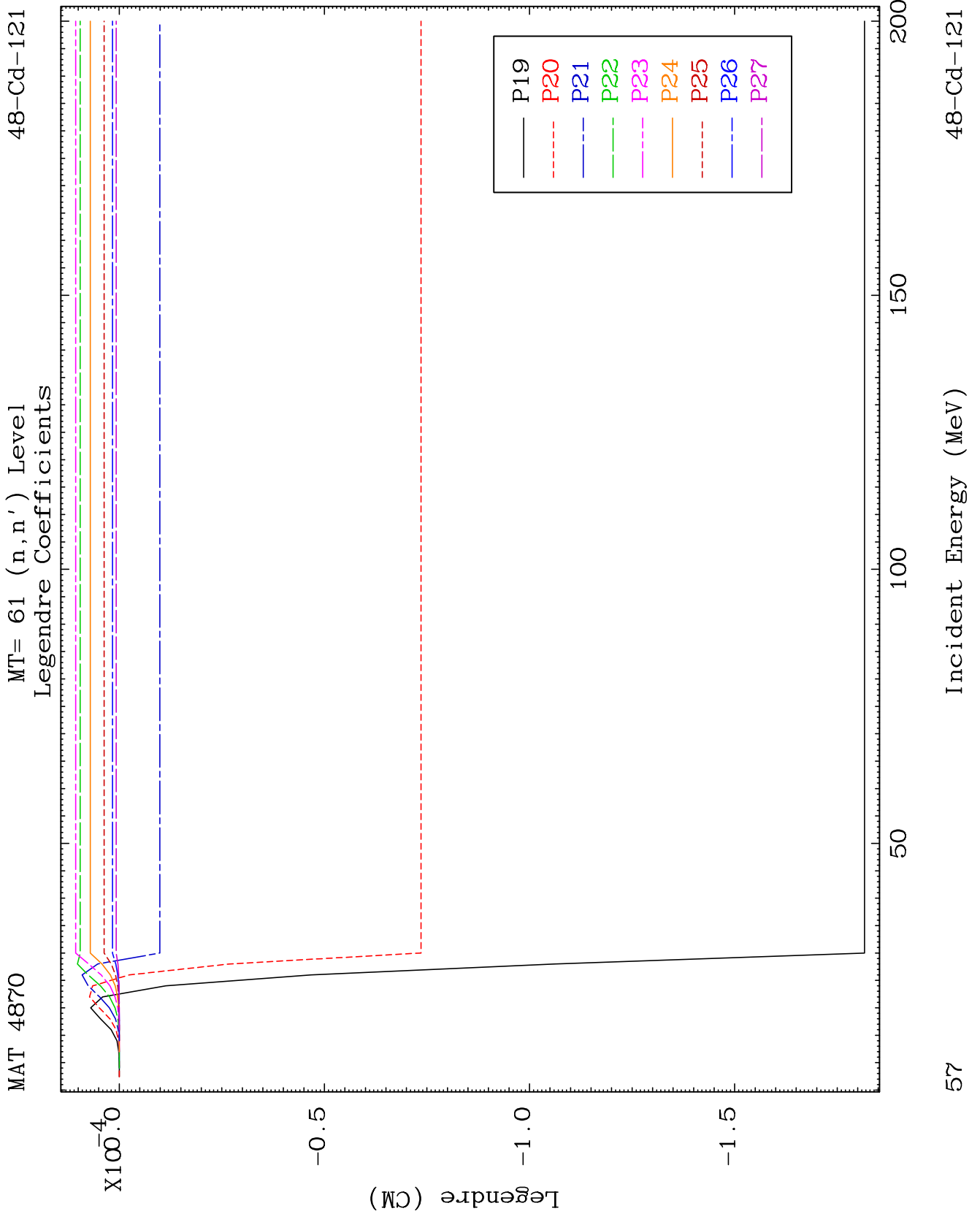
55



48-Cd-121

Incident Energy (MeV)

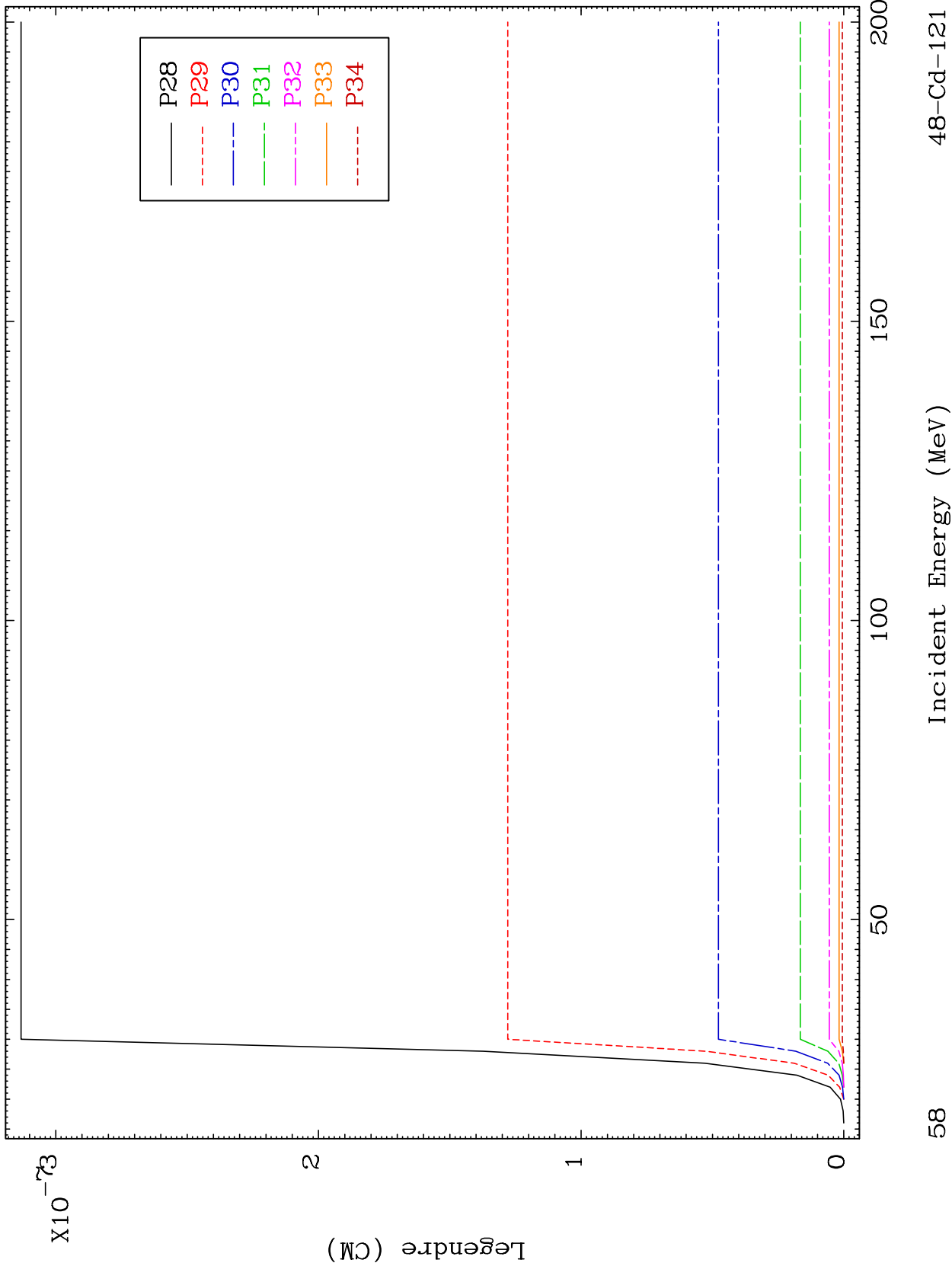
56



MAT 4870

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

48-Cd-121



58

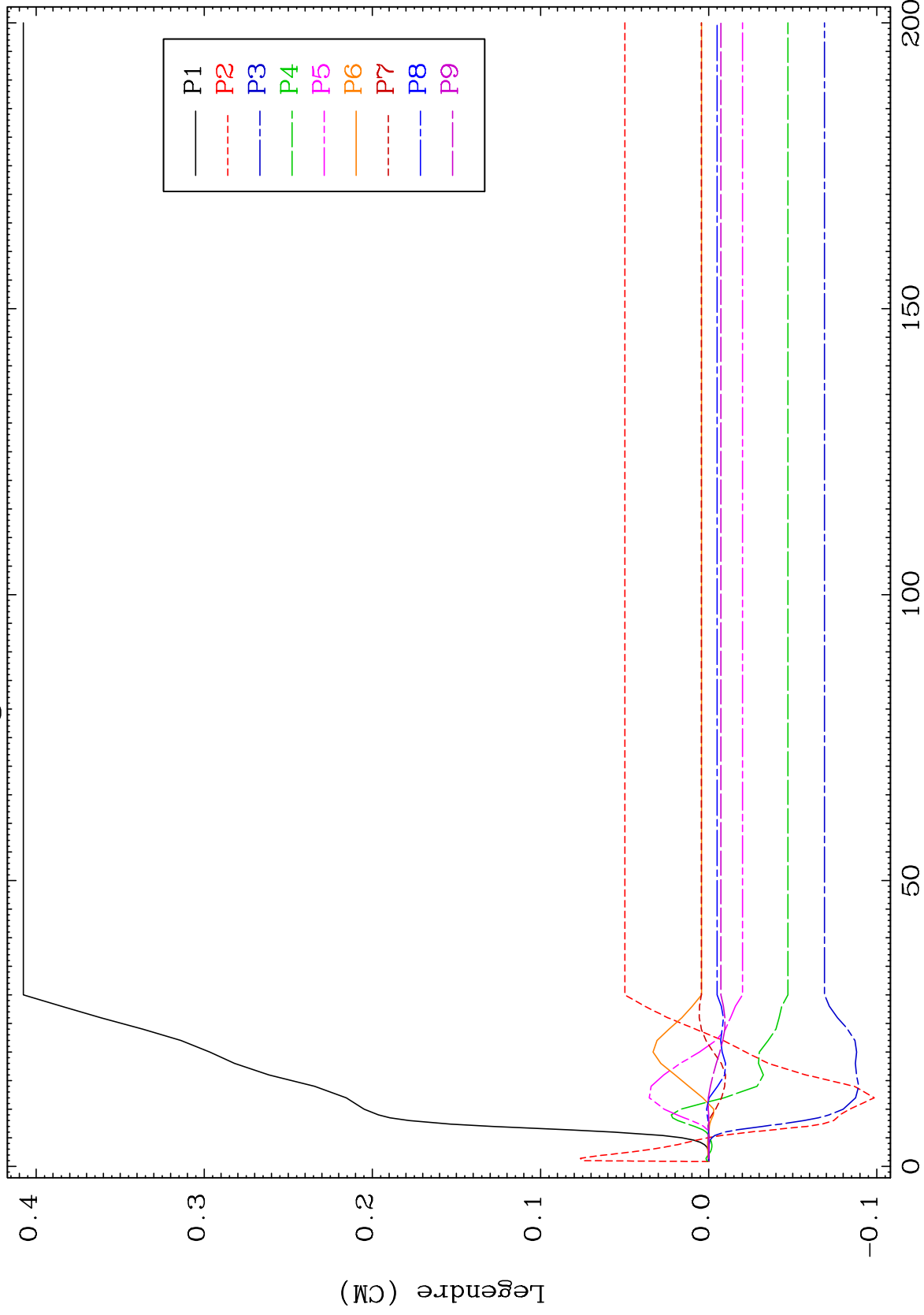
Incident Energy (MeV)

48-Cd-121

MAT 4870

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

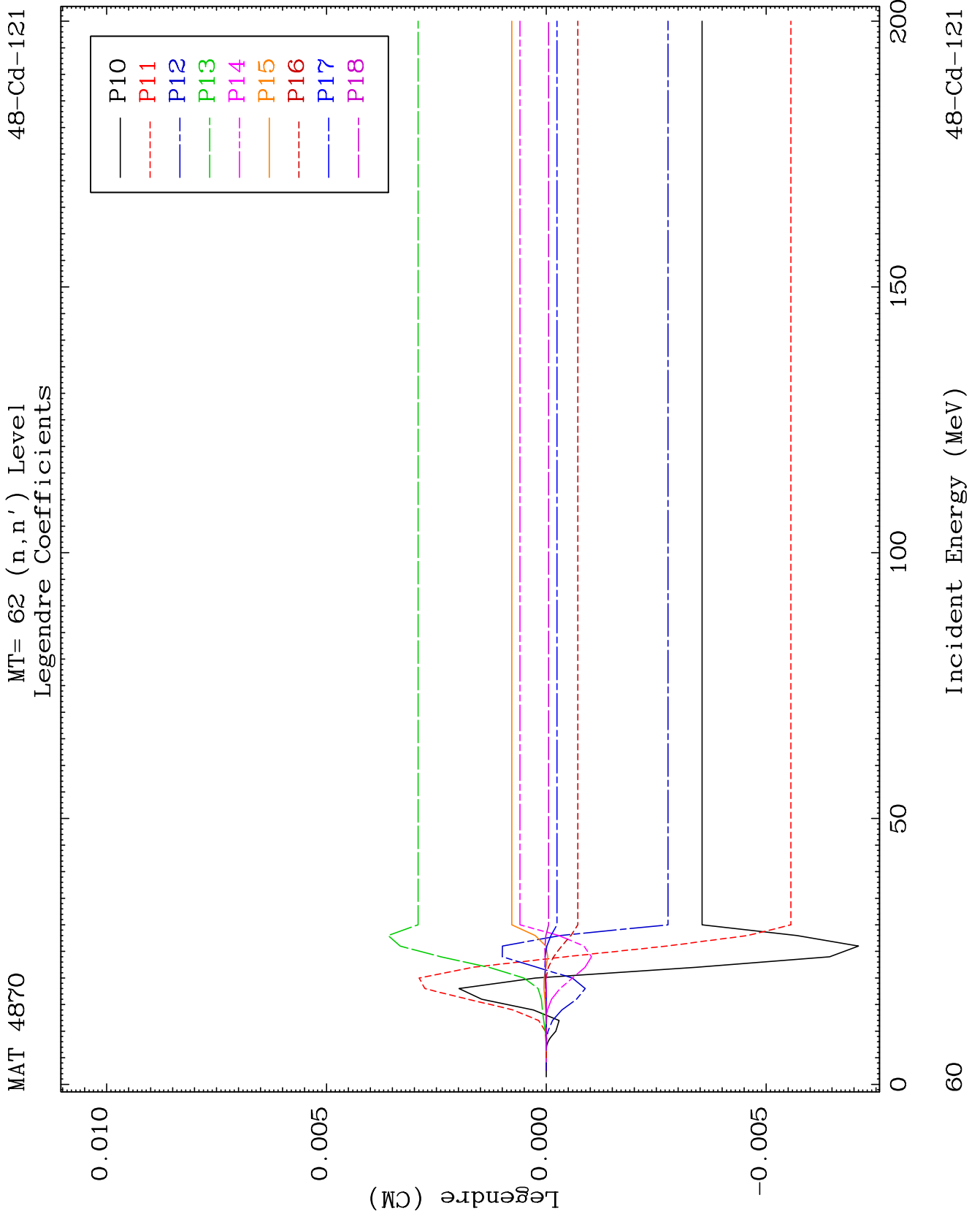
48-Cd-121



59

Incident Energy (MeV)

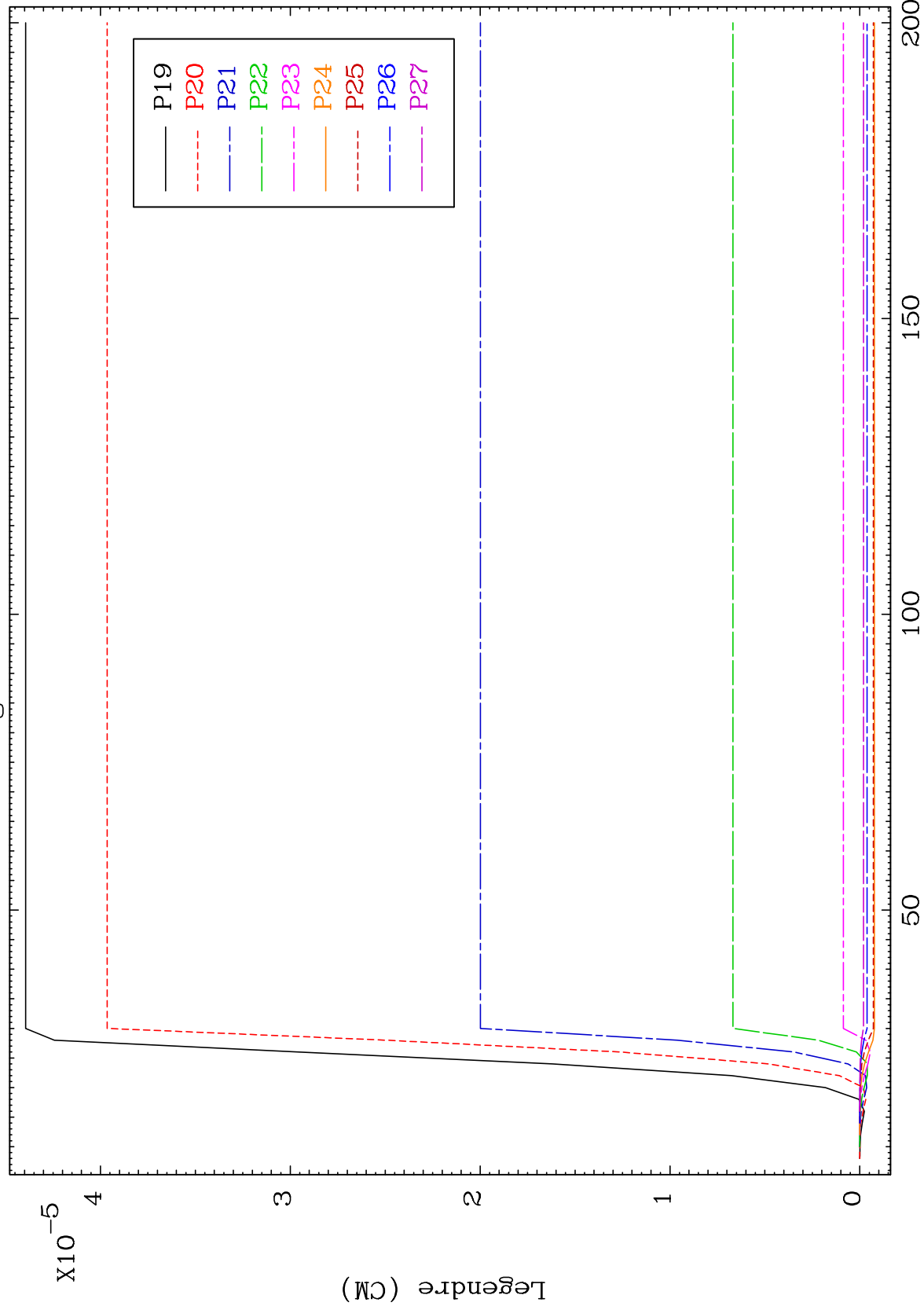
48-Cd-121



MAT 4870

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

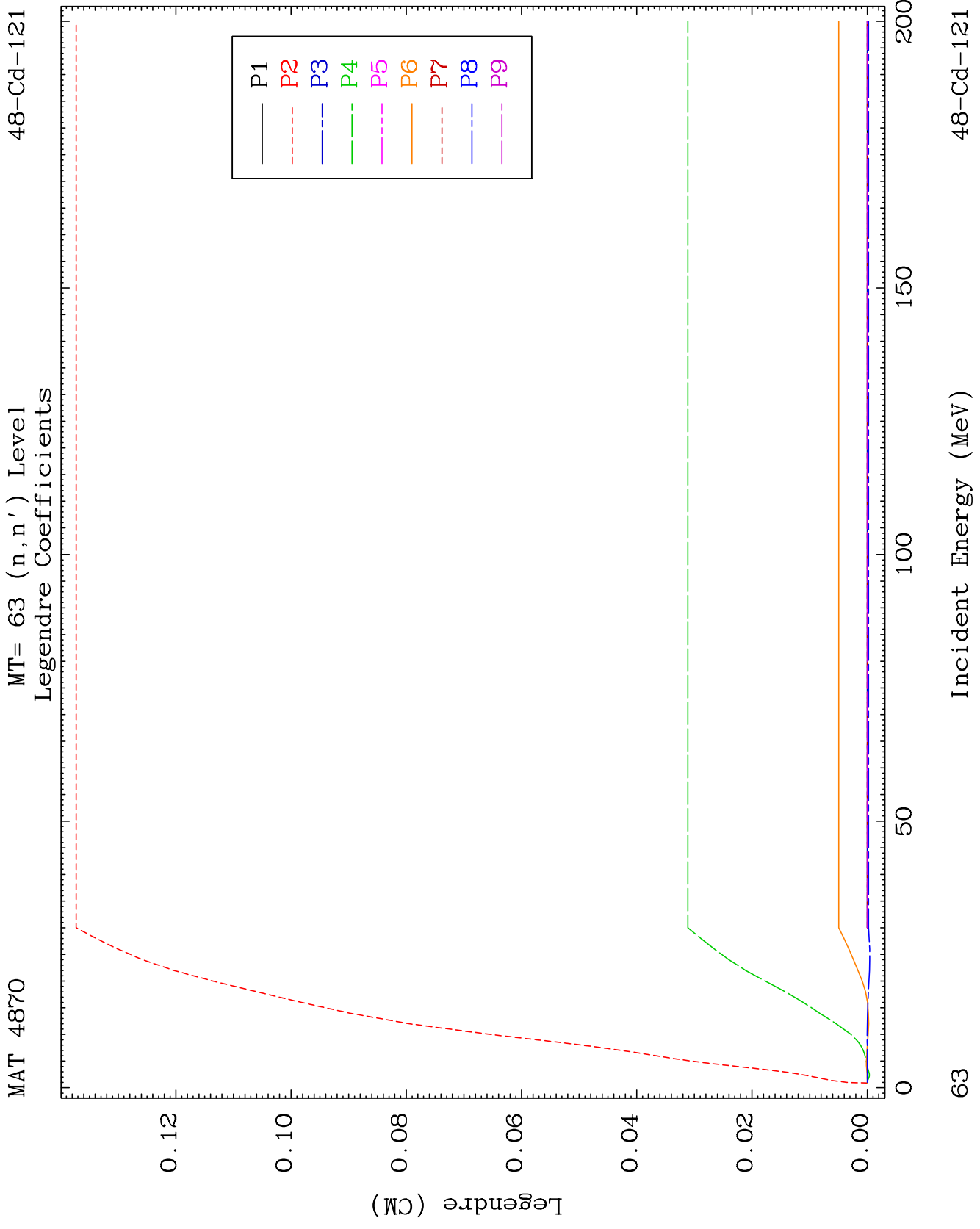
48-Cd-121



61

Incident Energy (MeV)

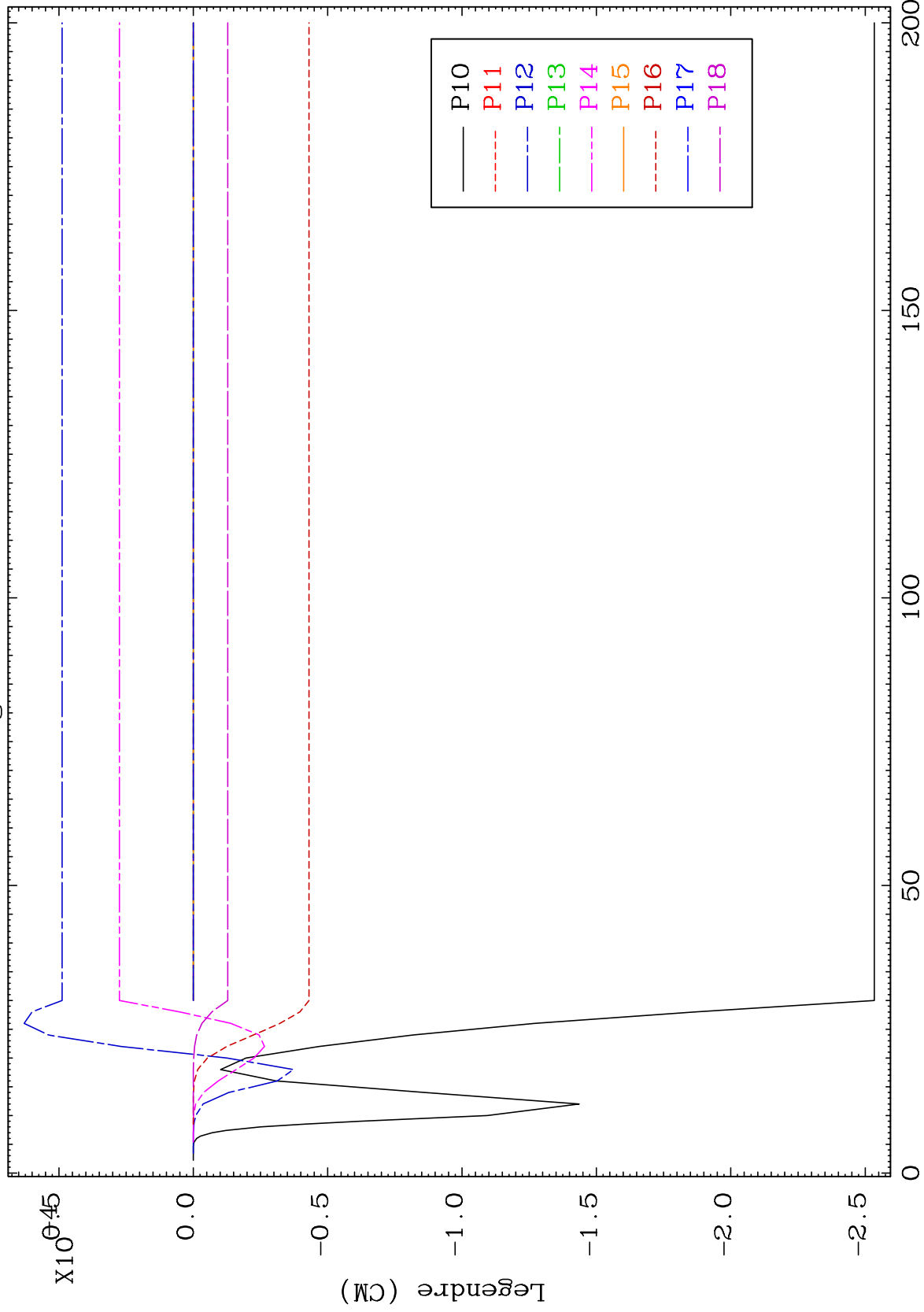
48-Cd-121



MAT 4870

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

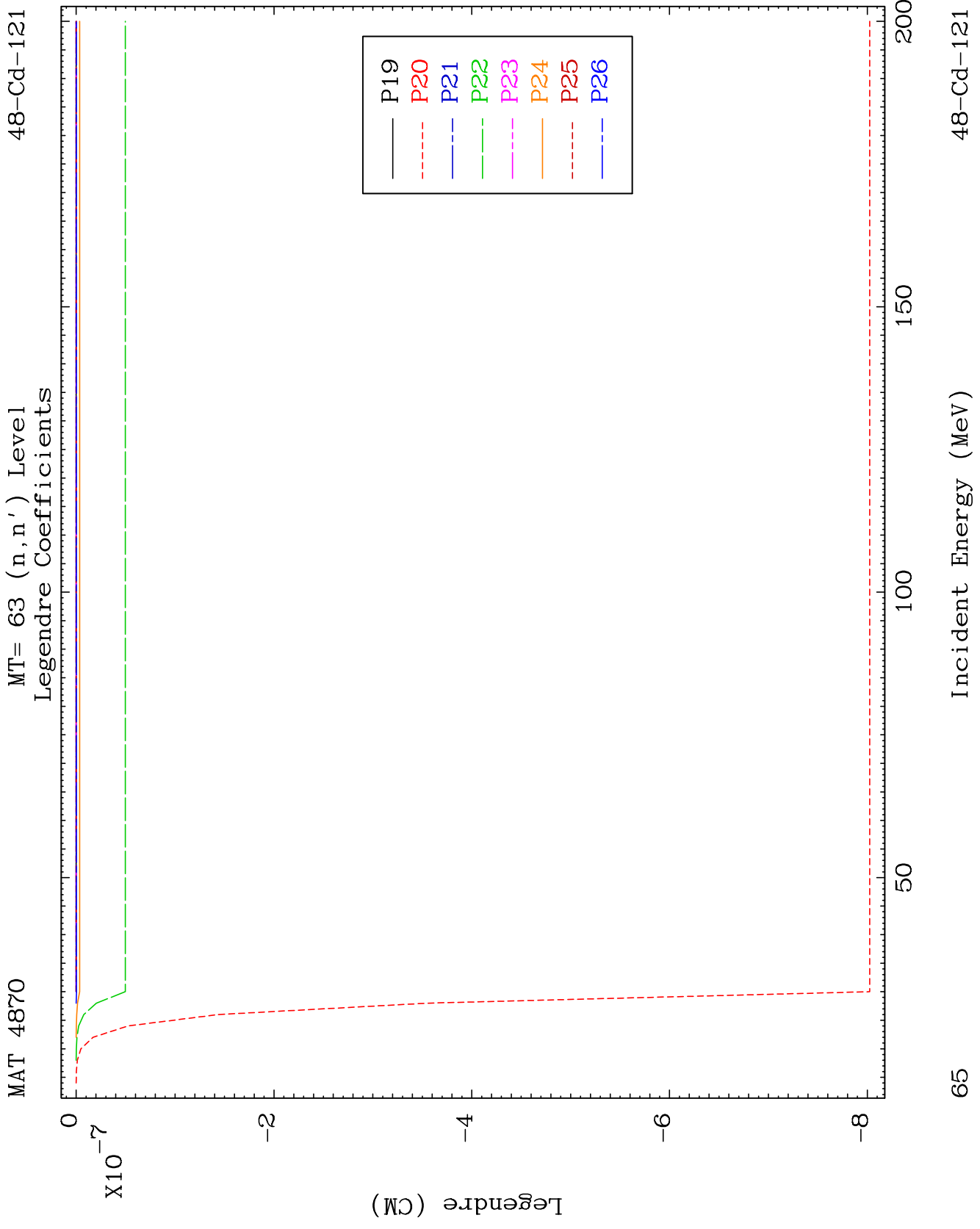
48-Cd-121

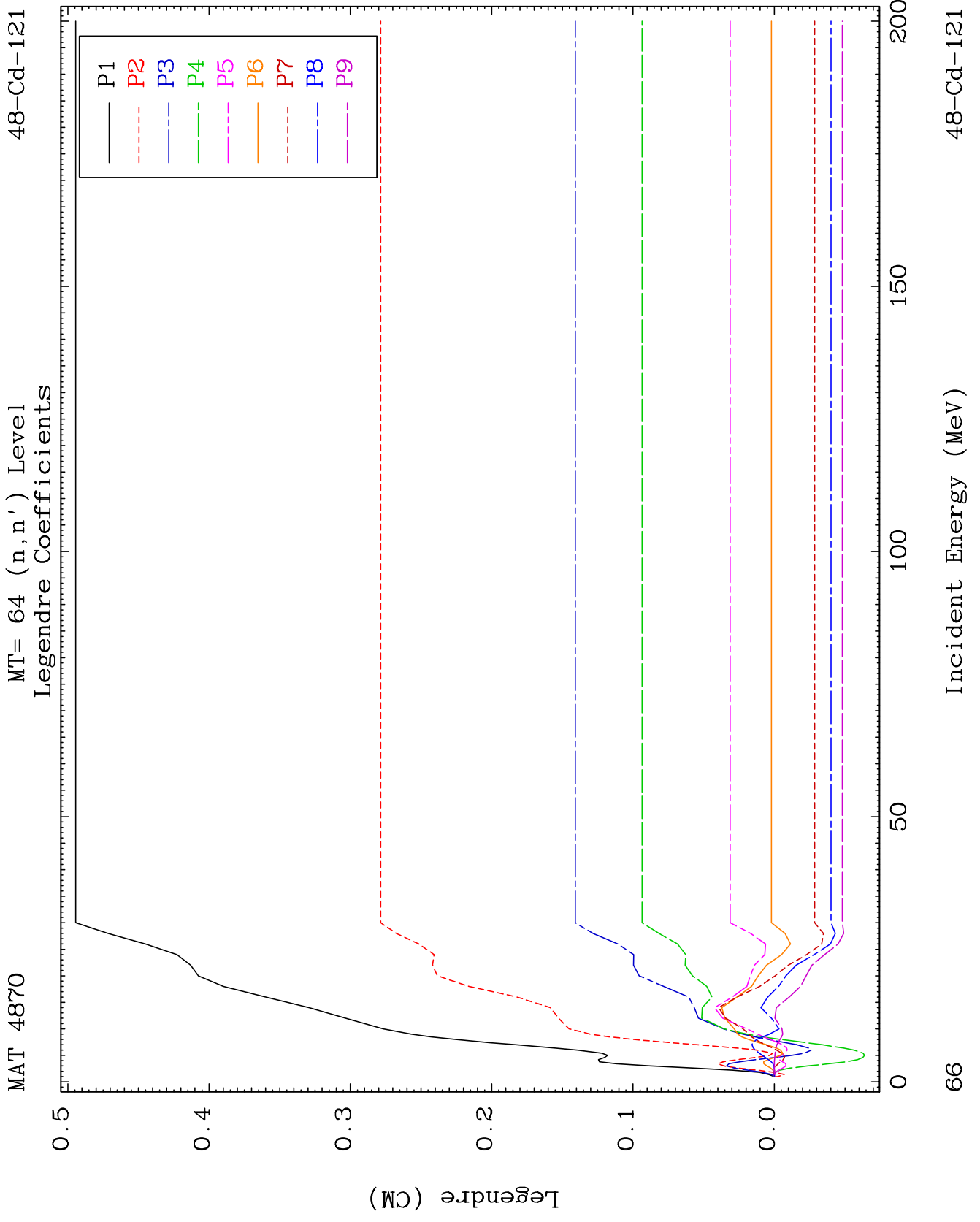


64

Incident Energy (MeV)

48-Cd-121

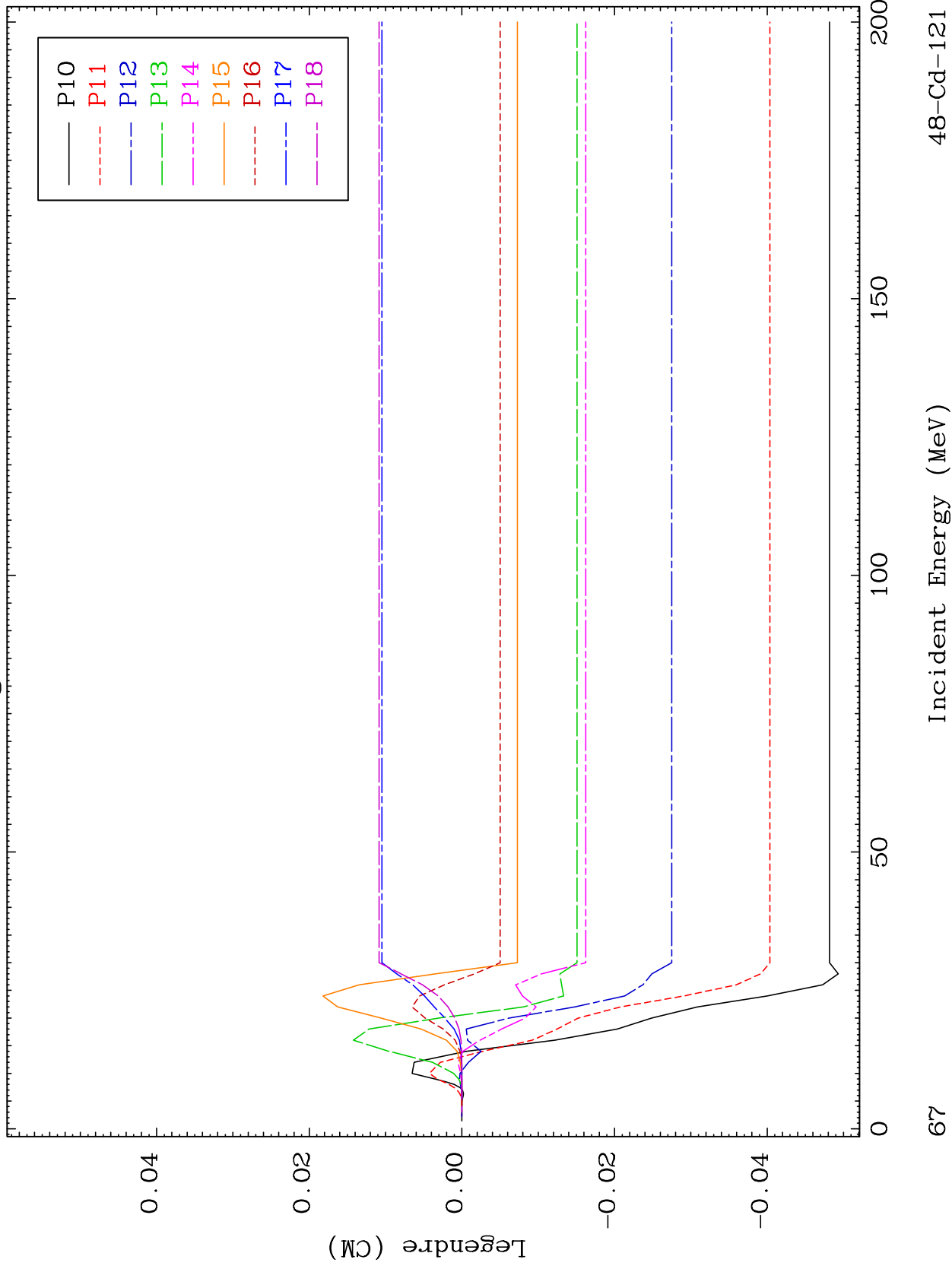




MAT 4870

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

48-Cd-121



48-Cd-121

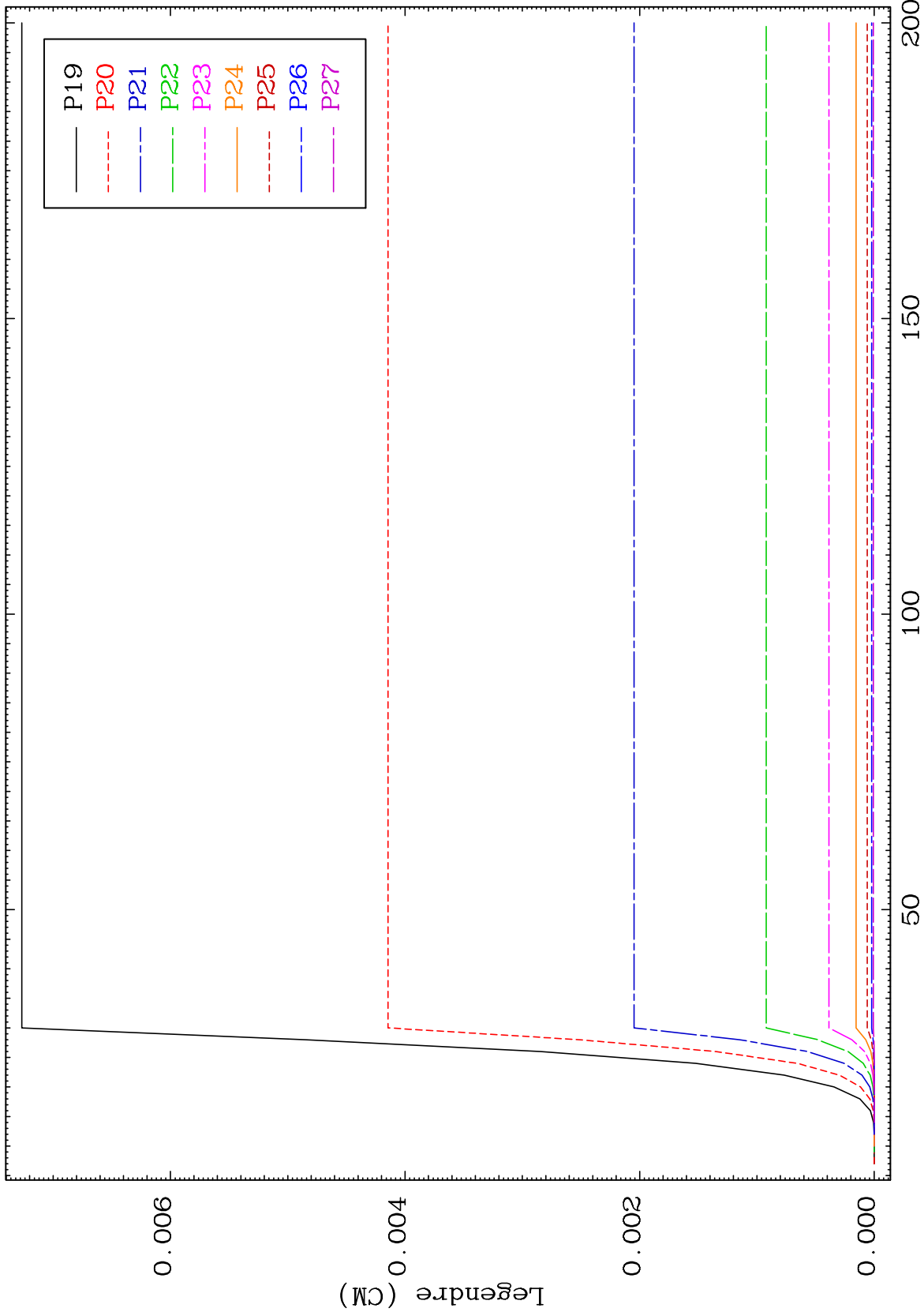
Incident Energy (MeV)

67

MAT 4870

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

48-Cd-121



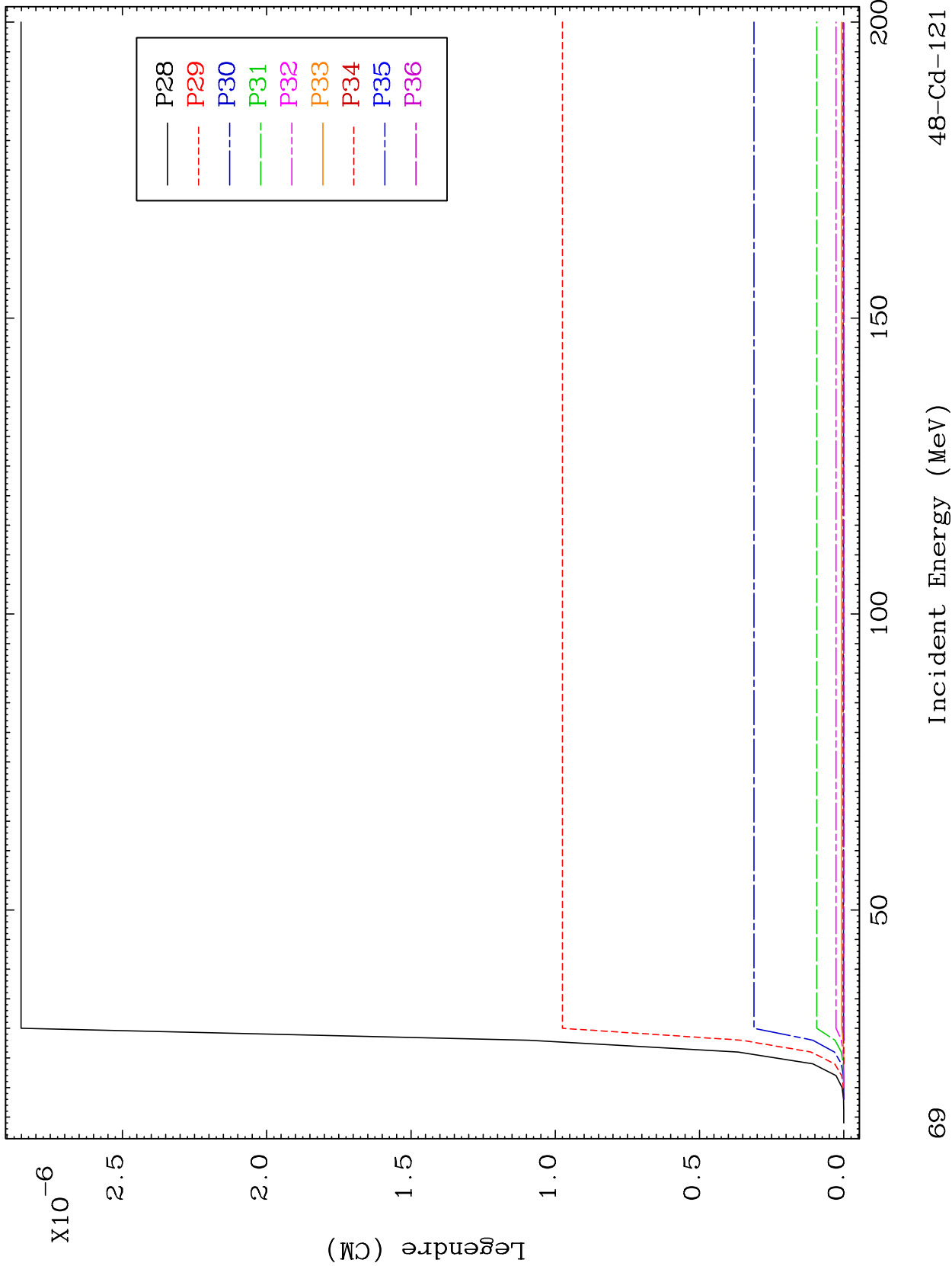
68

48-Cd-121

MAT 4870

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

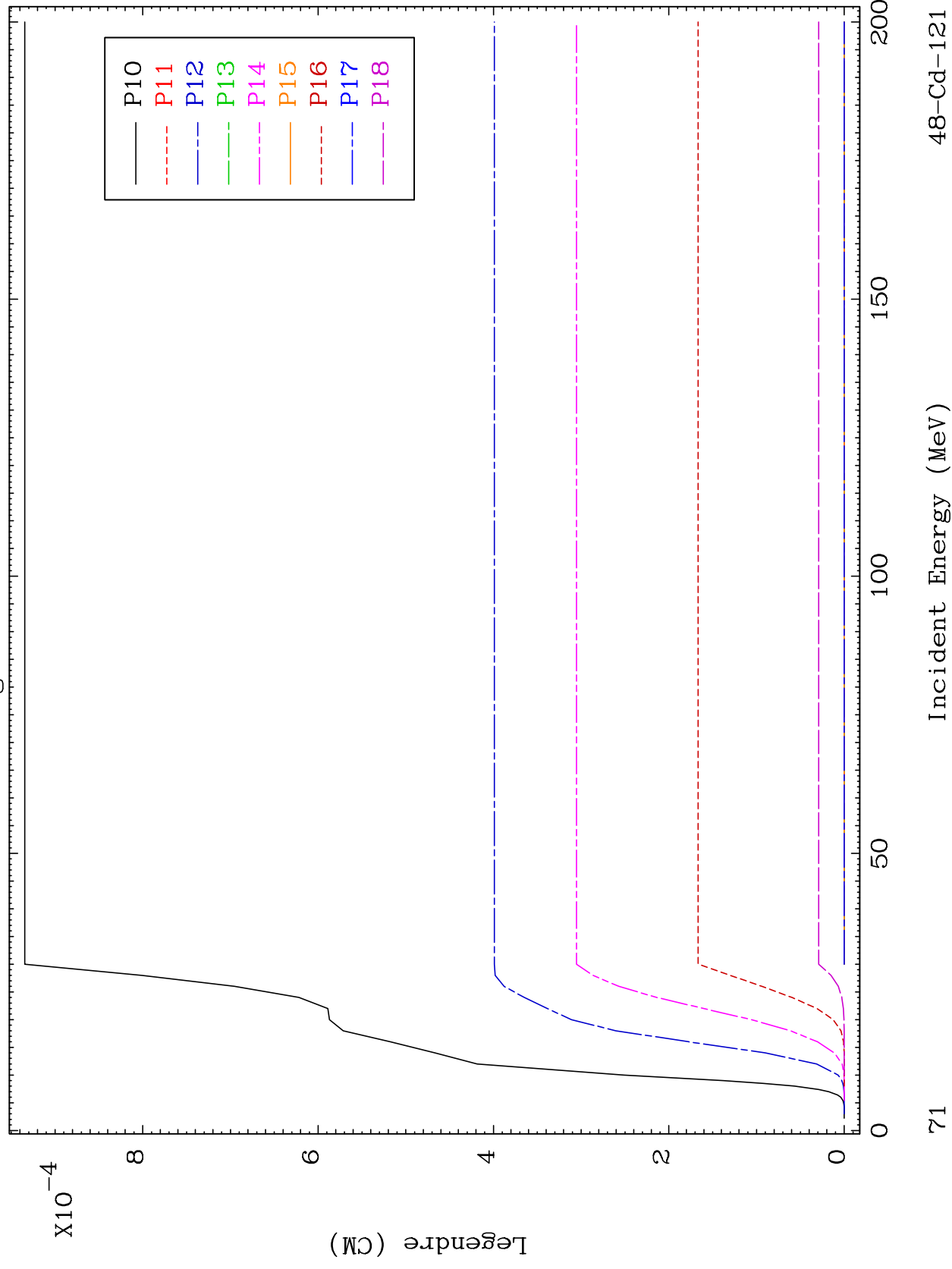
48-Cd-121

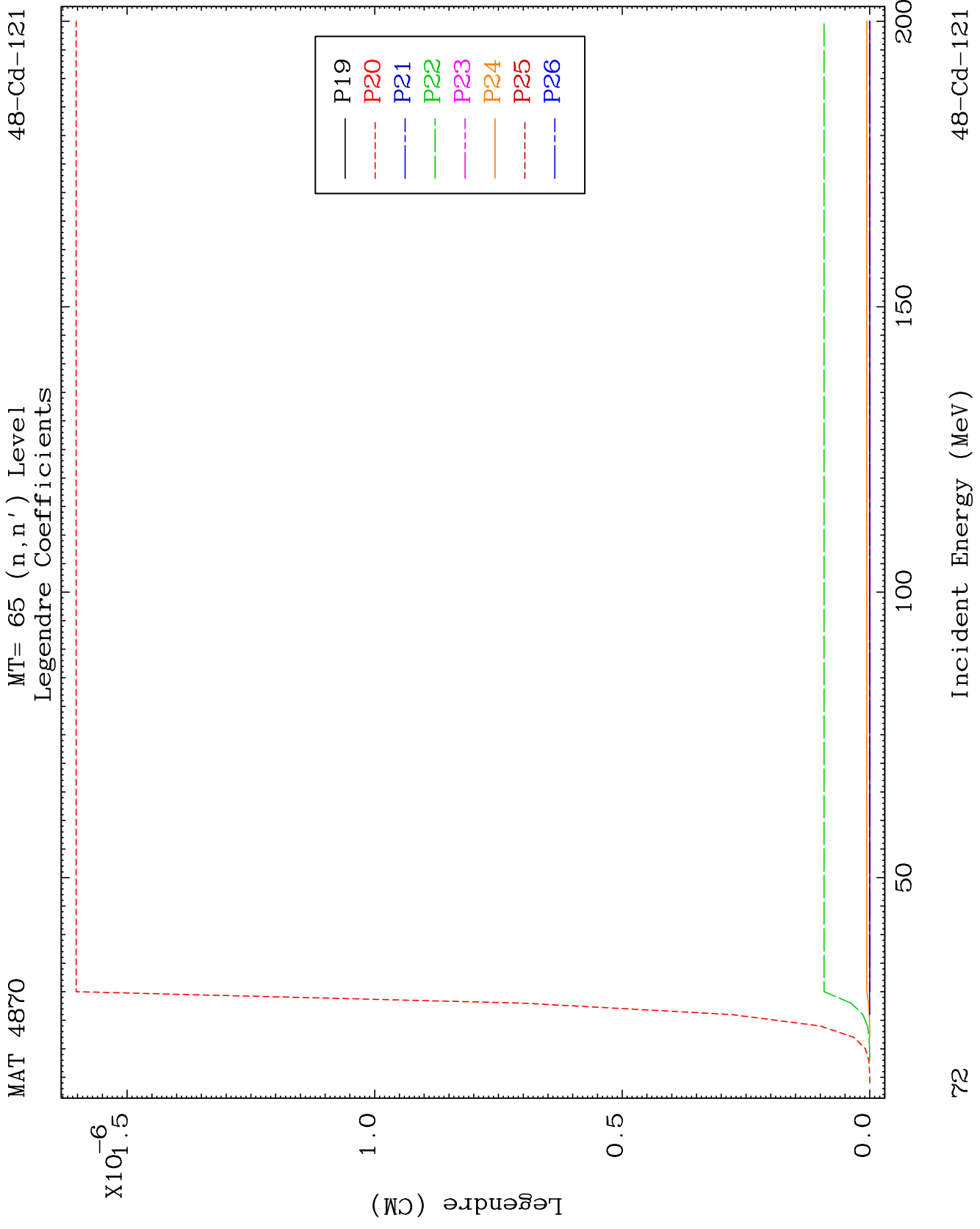


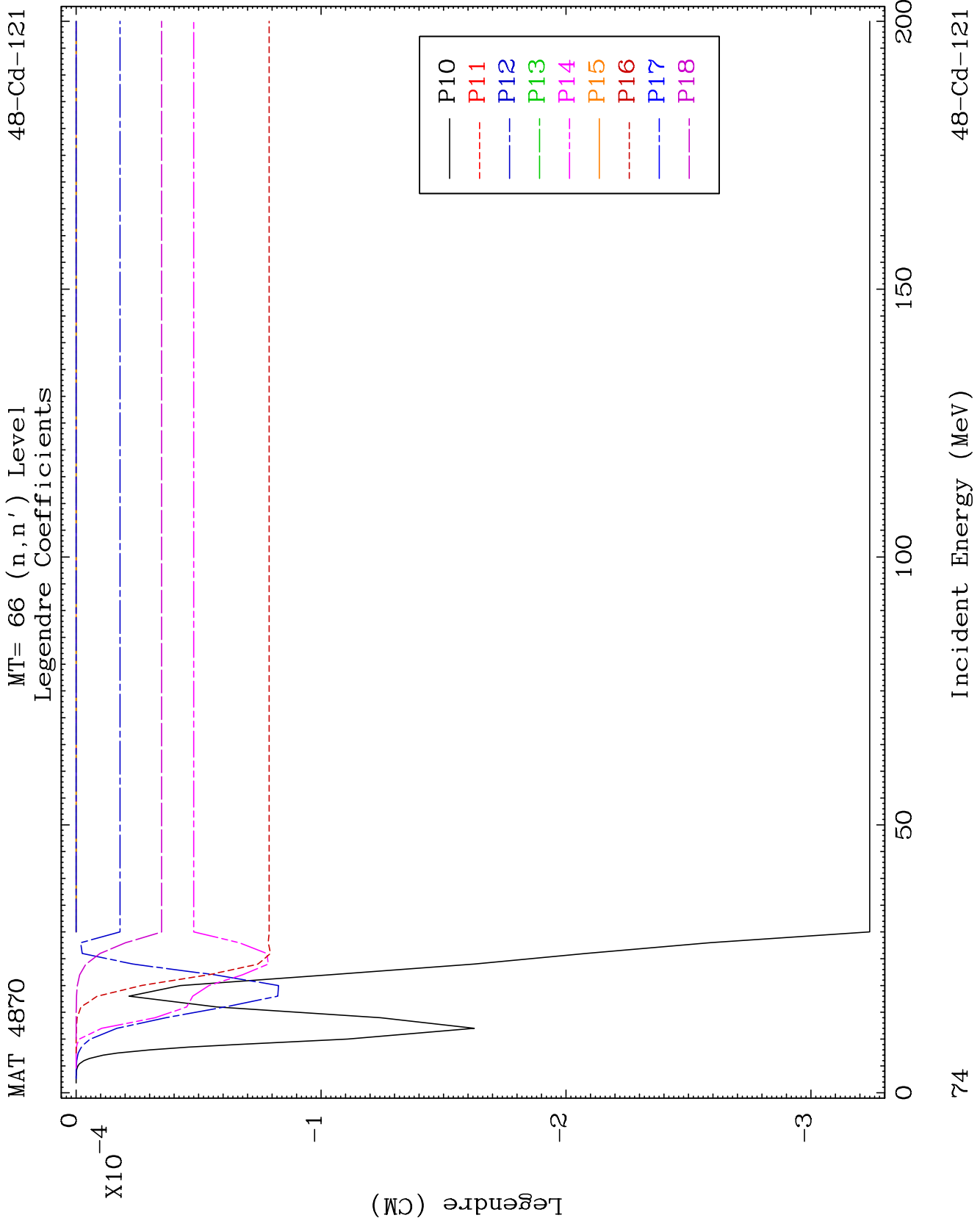
MAT 4870

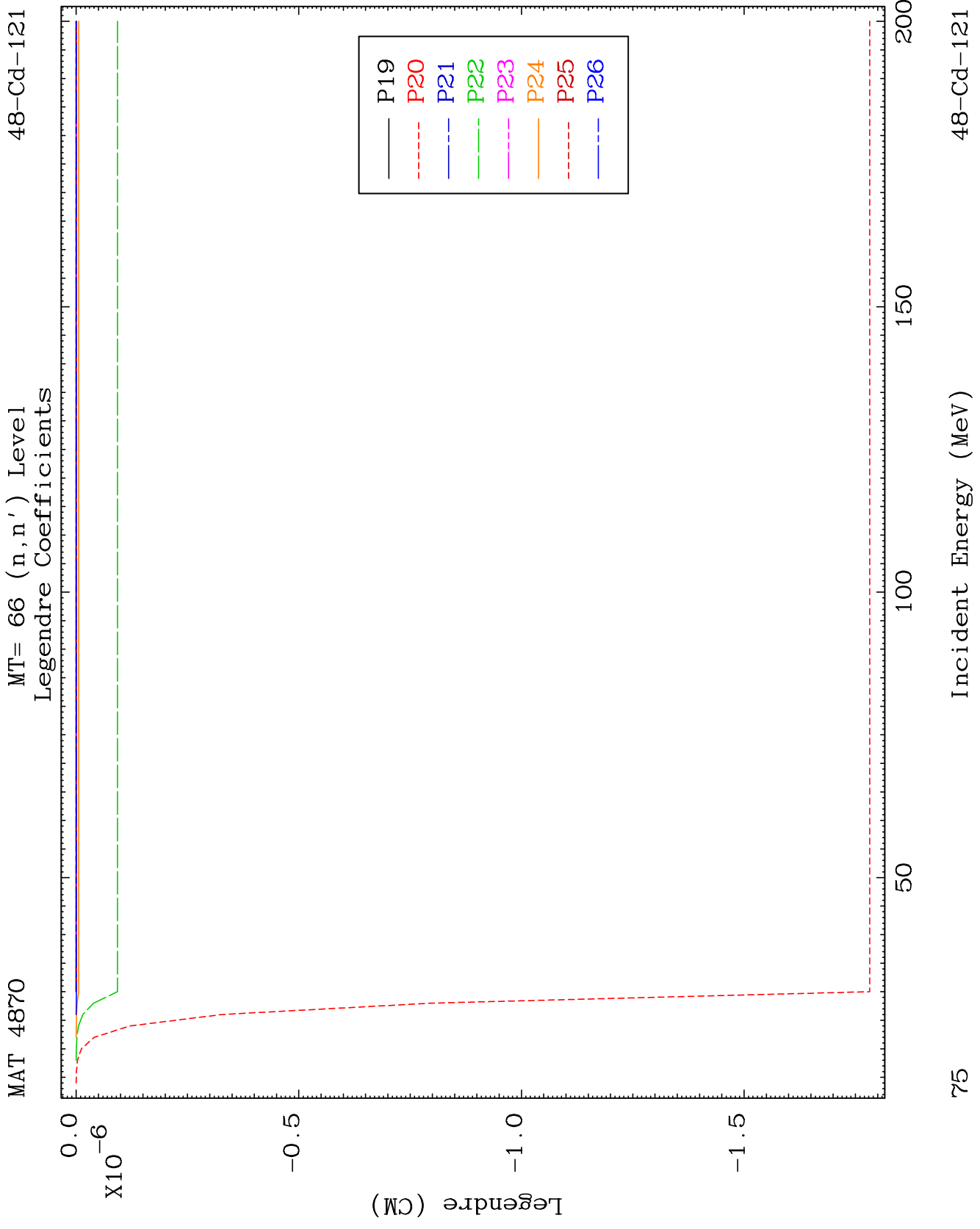
MT= 65 (n,n') Level
Legendre Coefficients

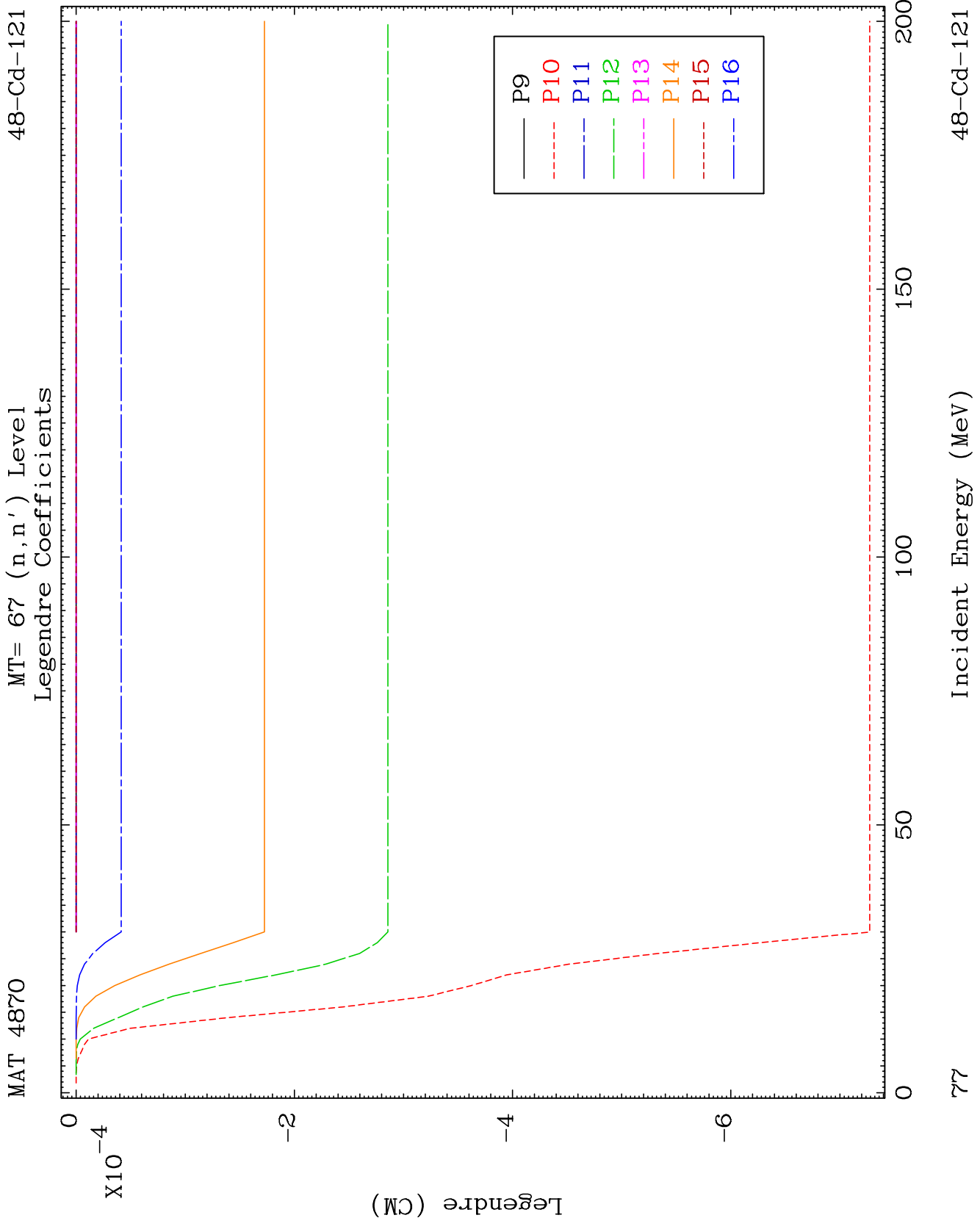
48-Cd-121

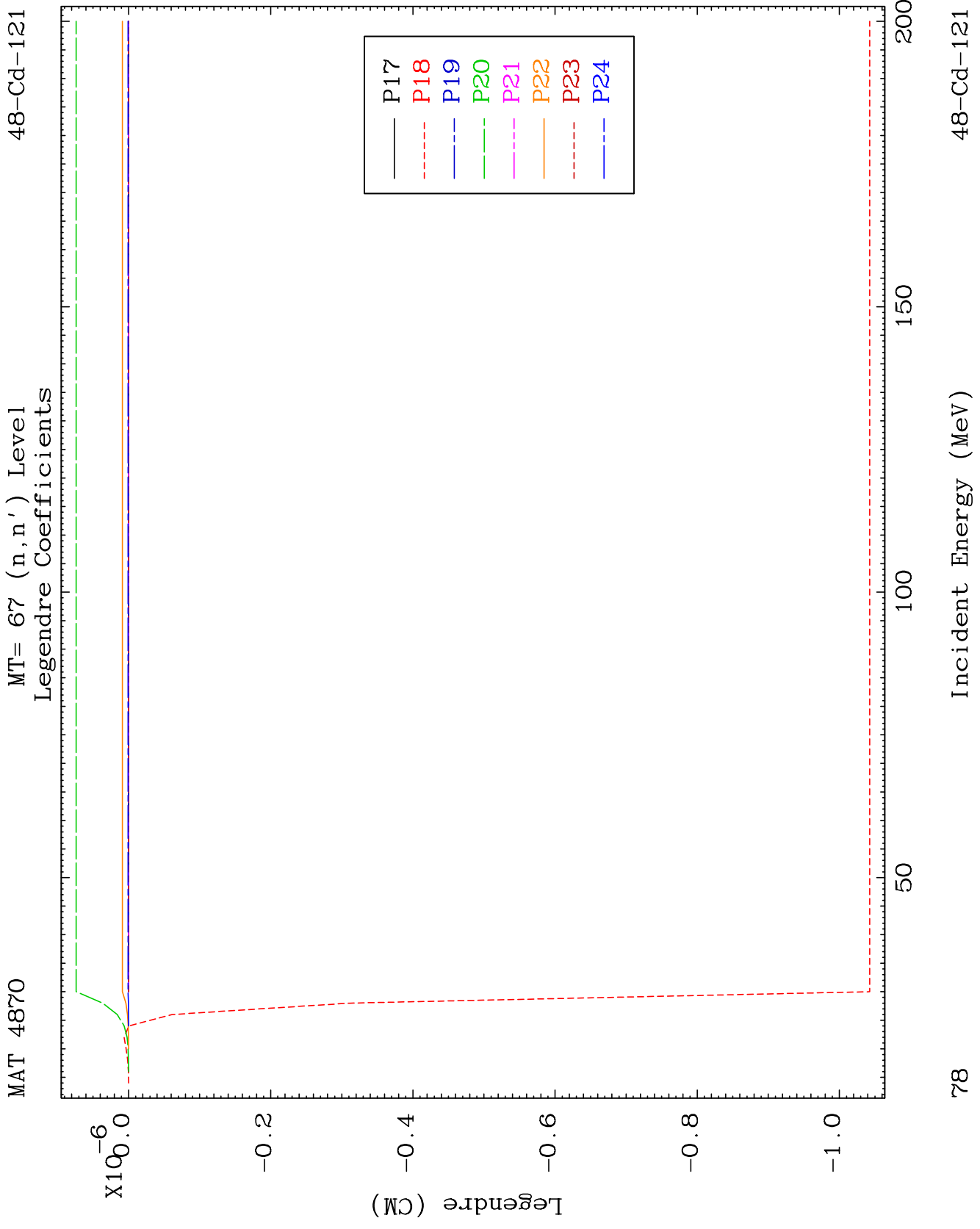








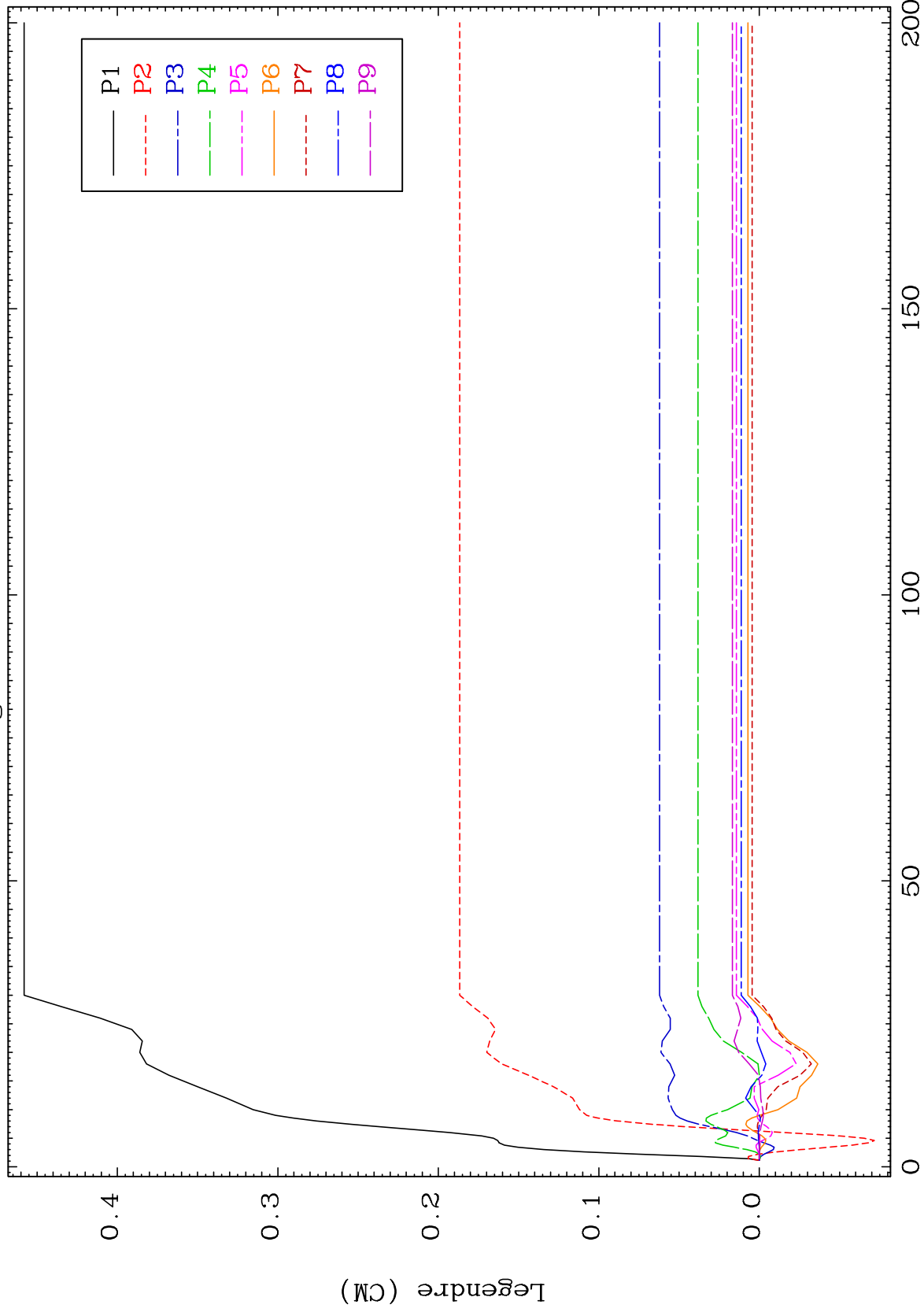




MAT 4870

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

48-Cd-121



79

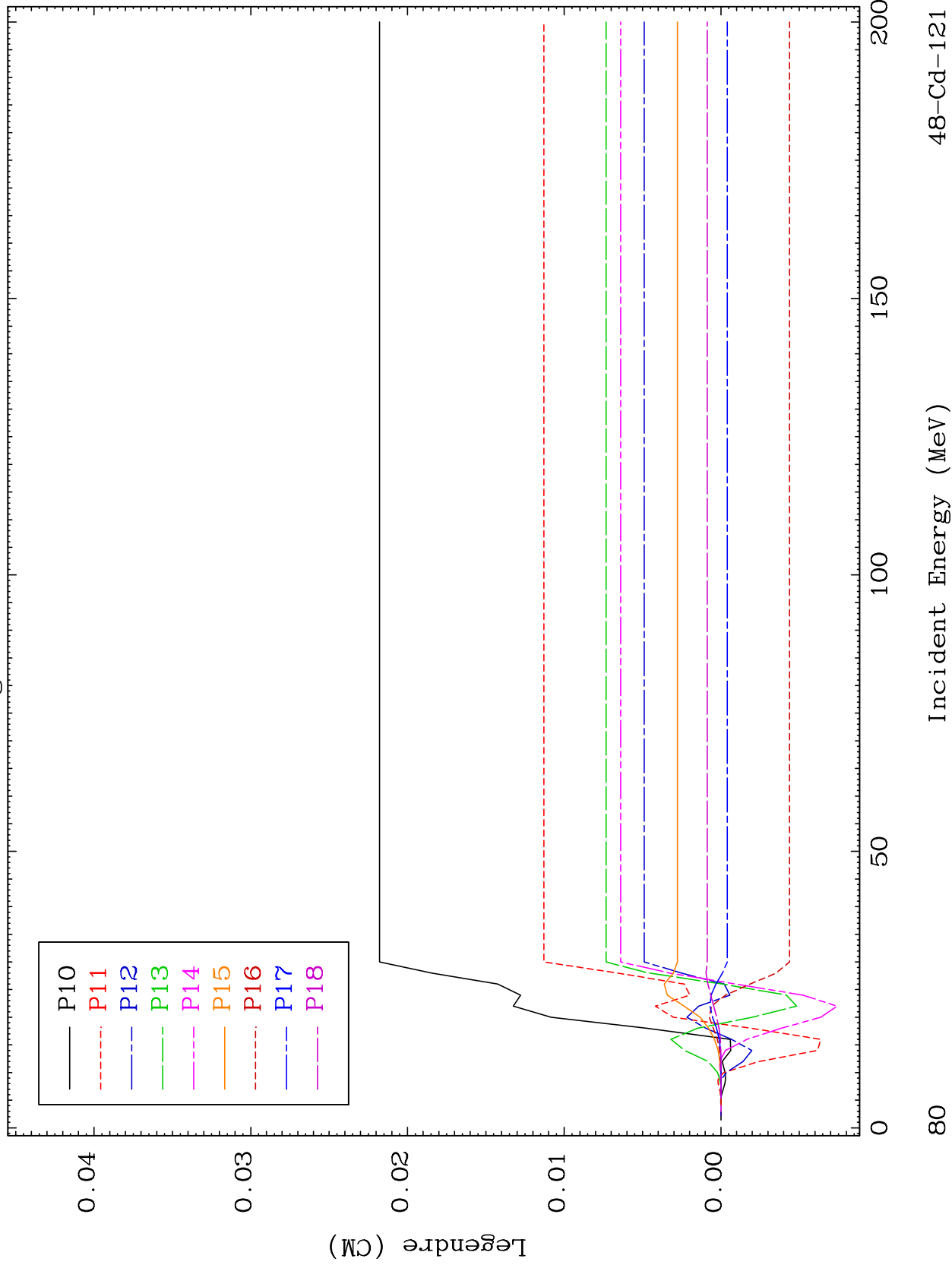
Incident Energy (MeV)

48-Cd-121

MAT 4870

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

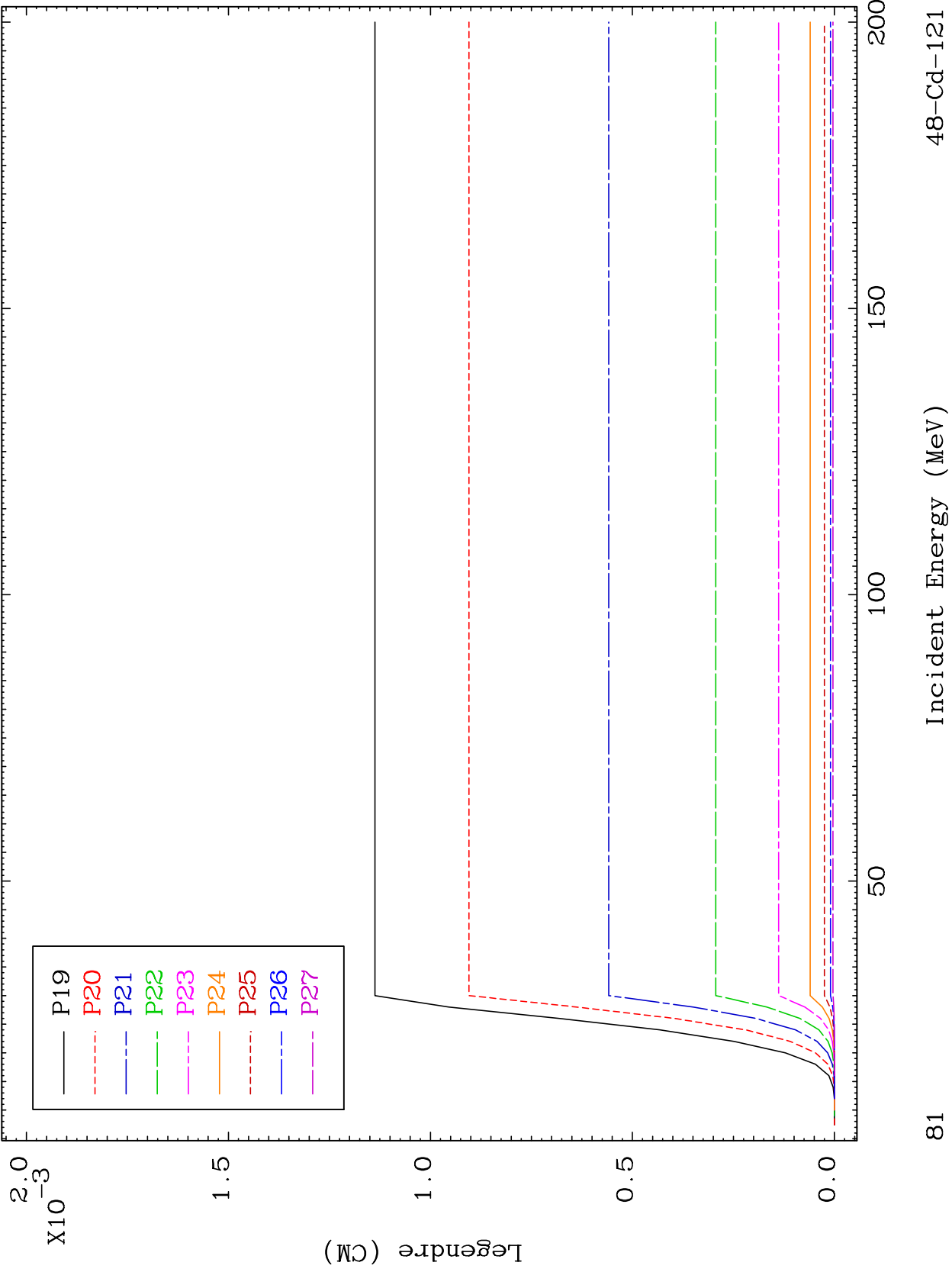
48-Cd-121

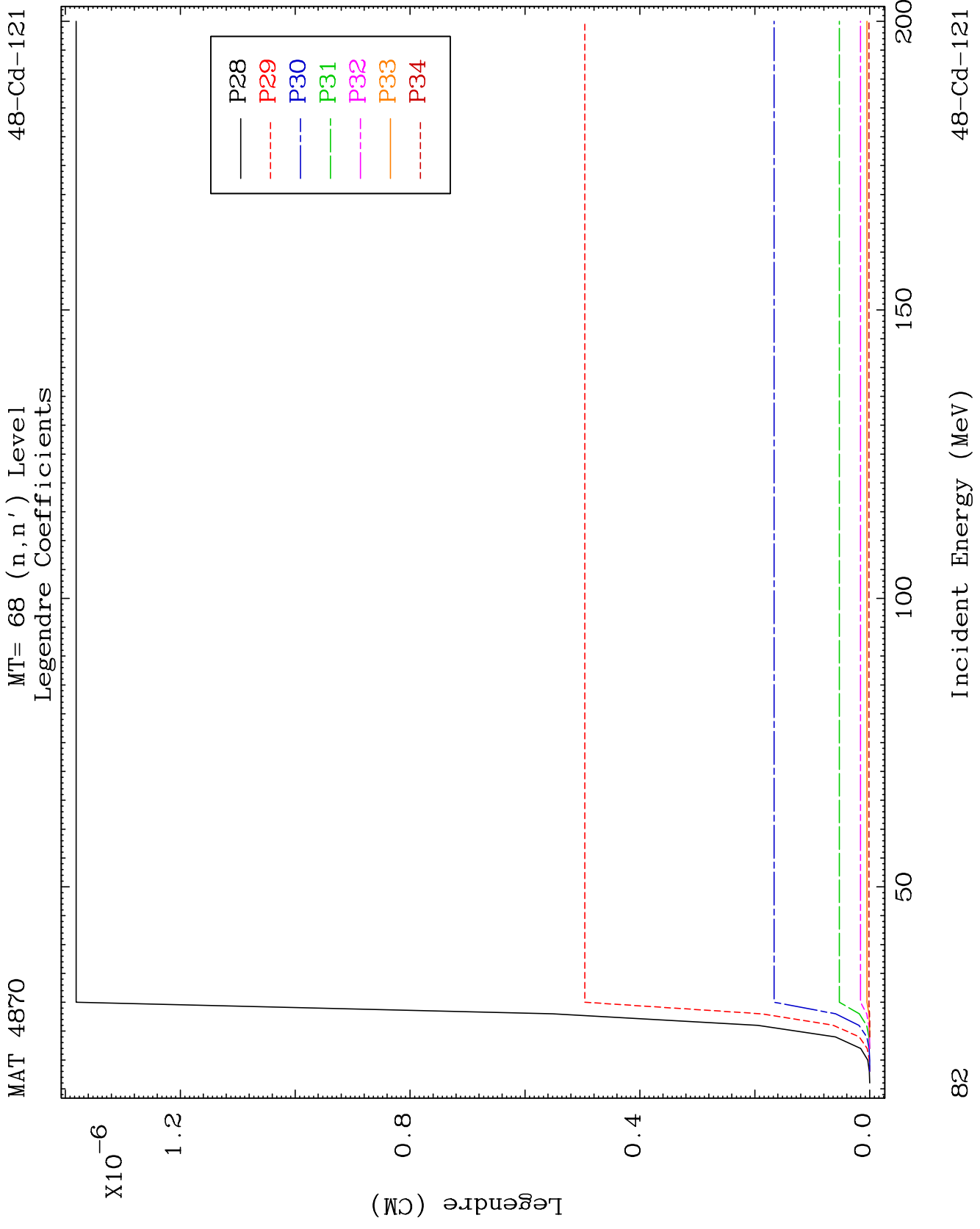


MAT 4870

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

48-Cd-121

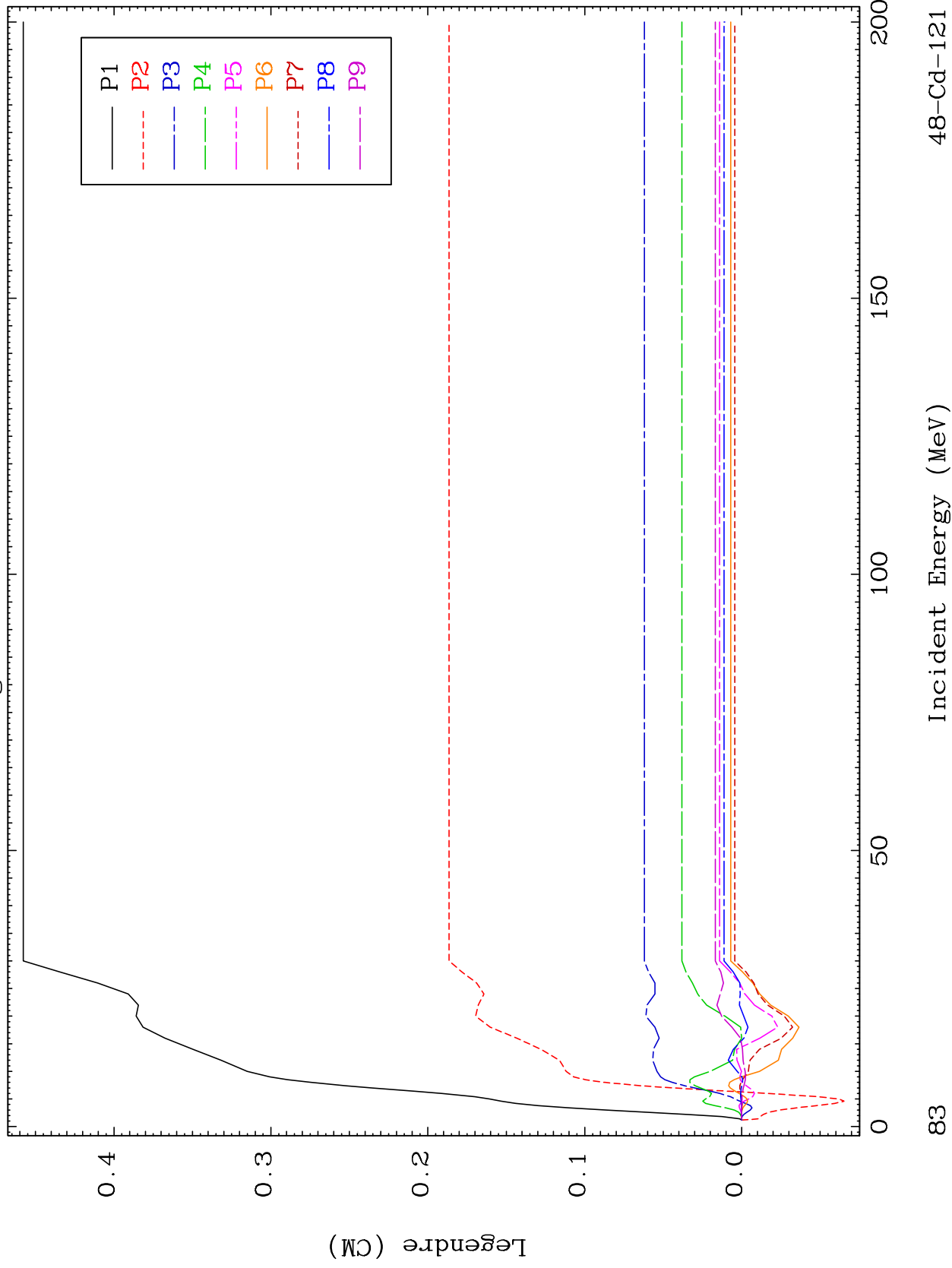




MAT 4870

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

48-Cd-121



48-Cd-121

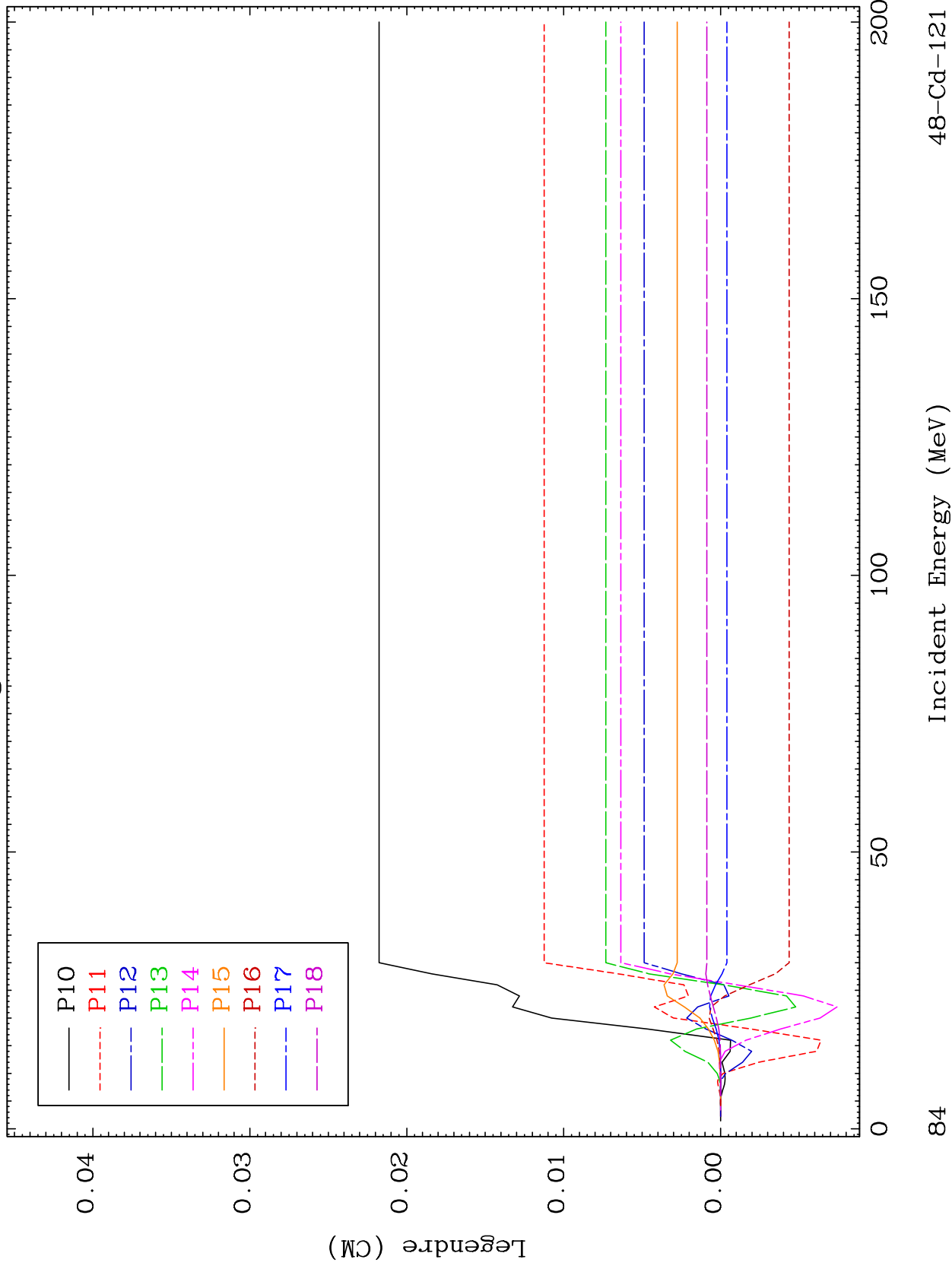
Incident Energy (MeV)

83

MAT 4870

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

48-Cd-121



84

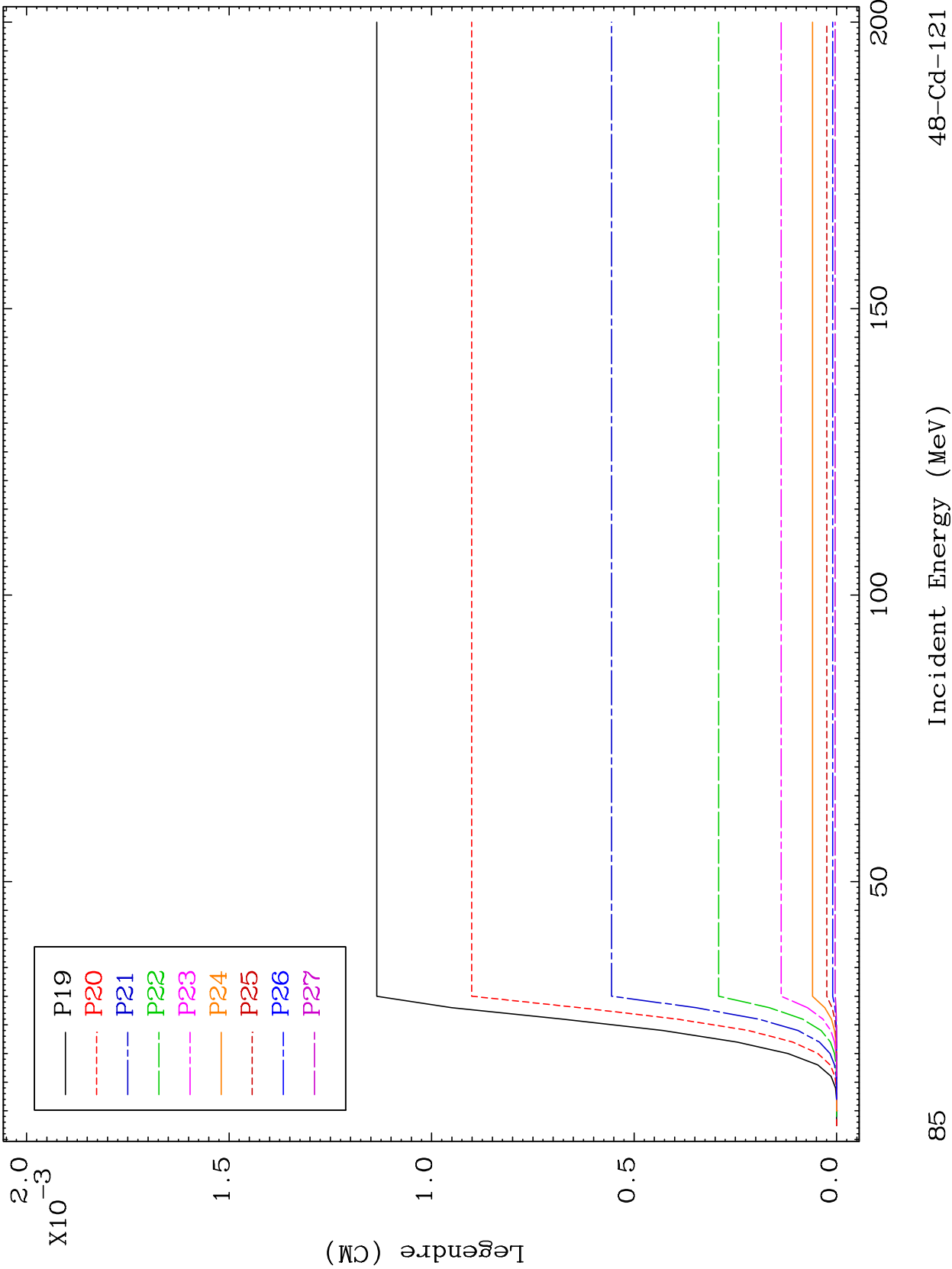
Incident Energy (MeV)

48-Cd-121

MAT 4870

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

48-Cd-121



85

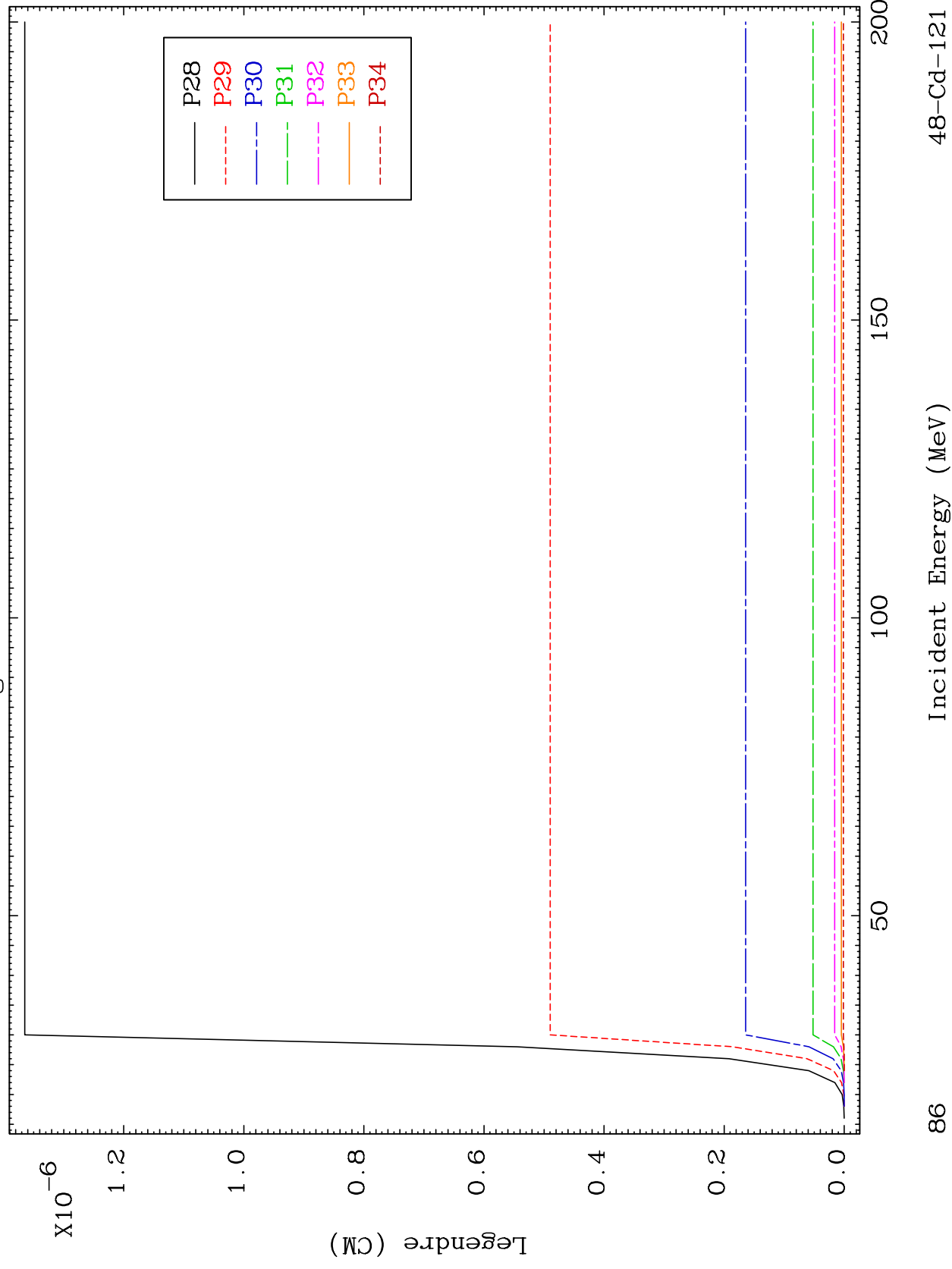
Incident Energy (MeV)

48-Cd-121

MAT 4870

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

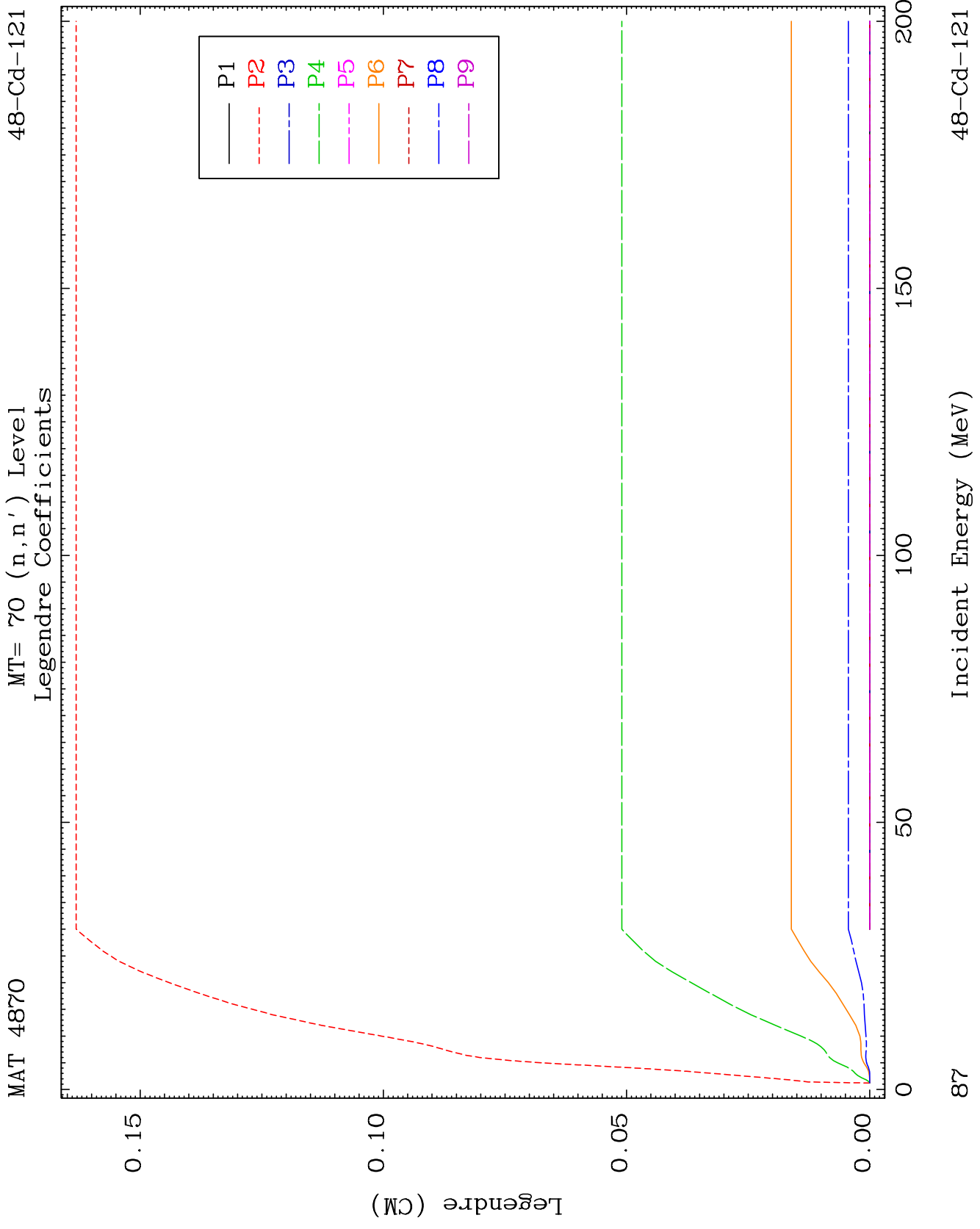
48-Cd-121



86

Incident Energy (MeV)

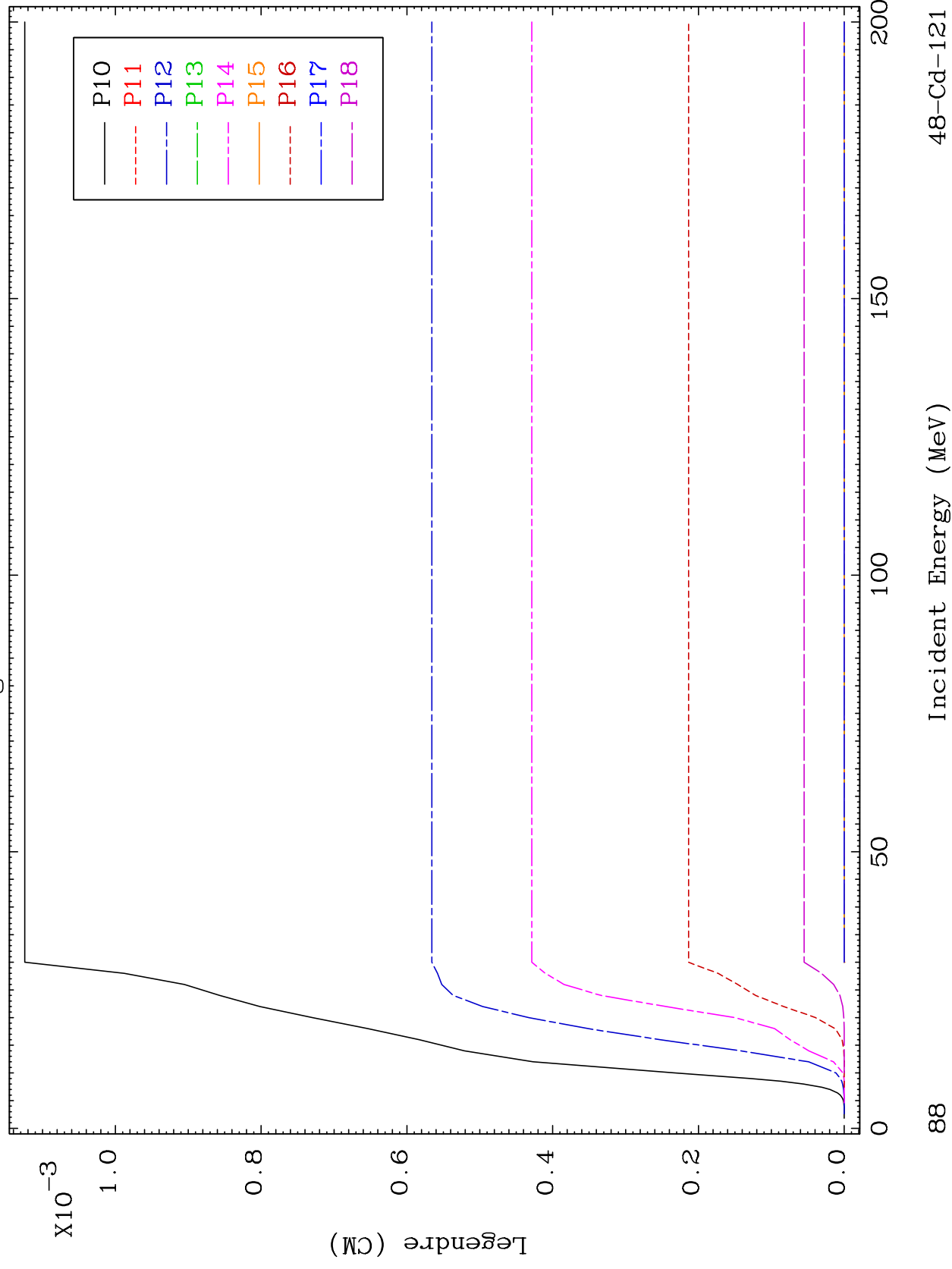
48-Cd-121



MAT 4870

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

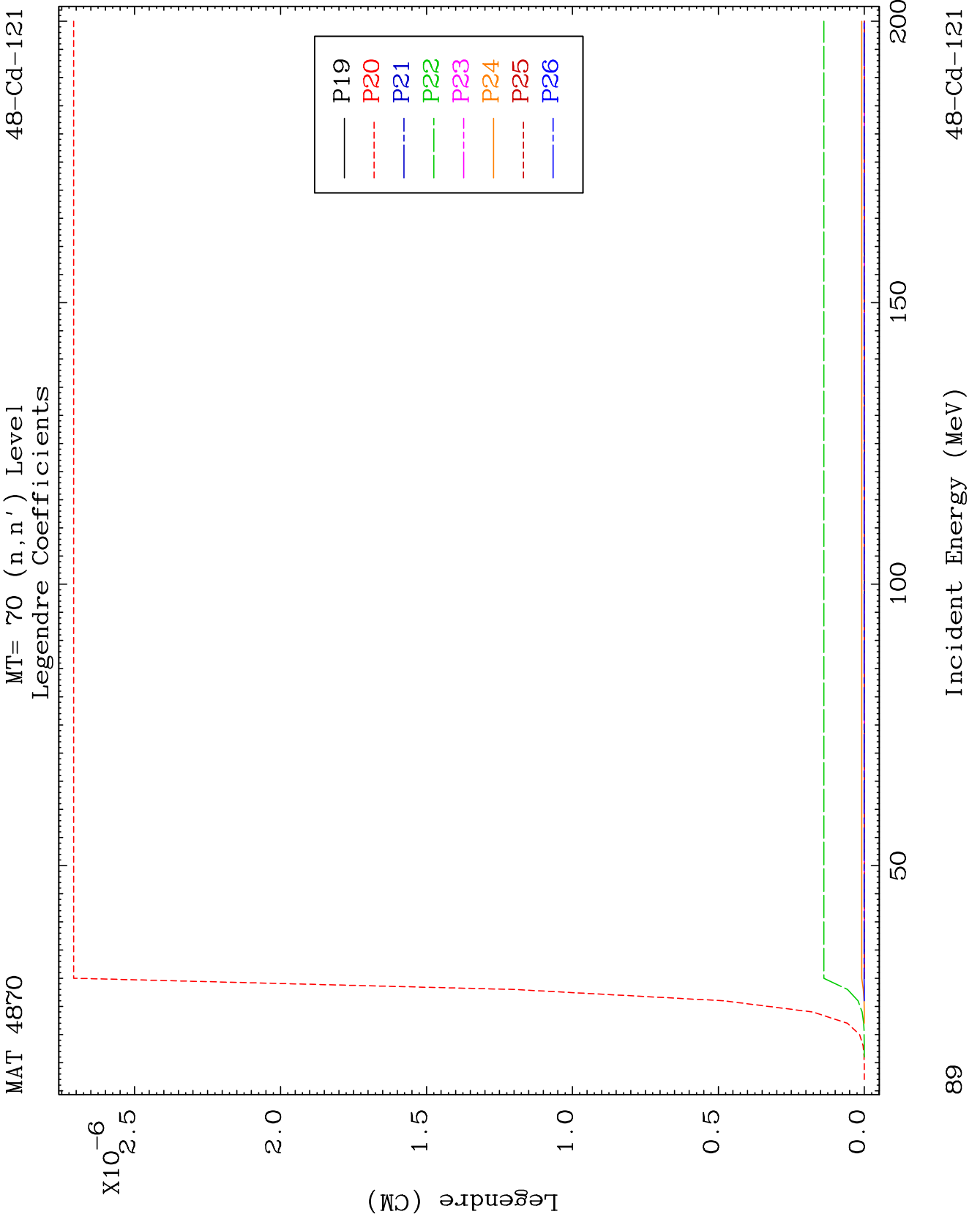
48-Cd-121

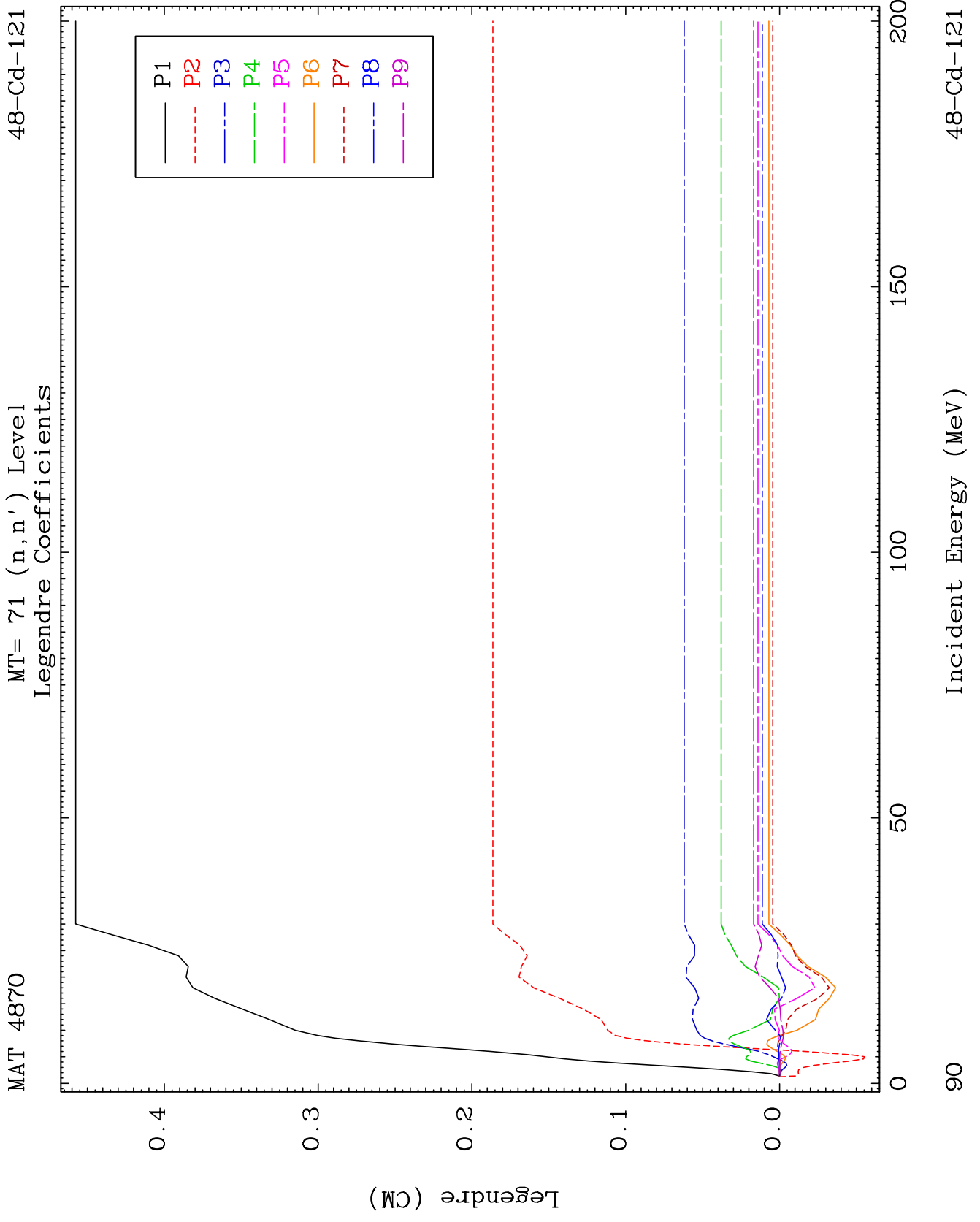


88

Incident Energy (MeV)

48-Cd-121

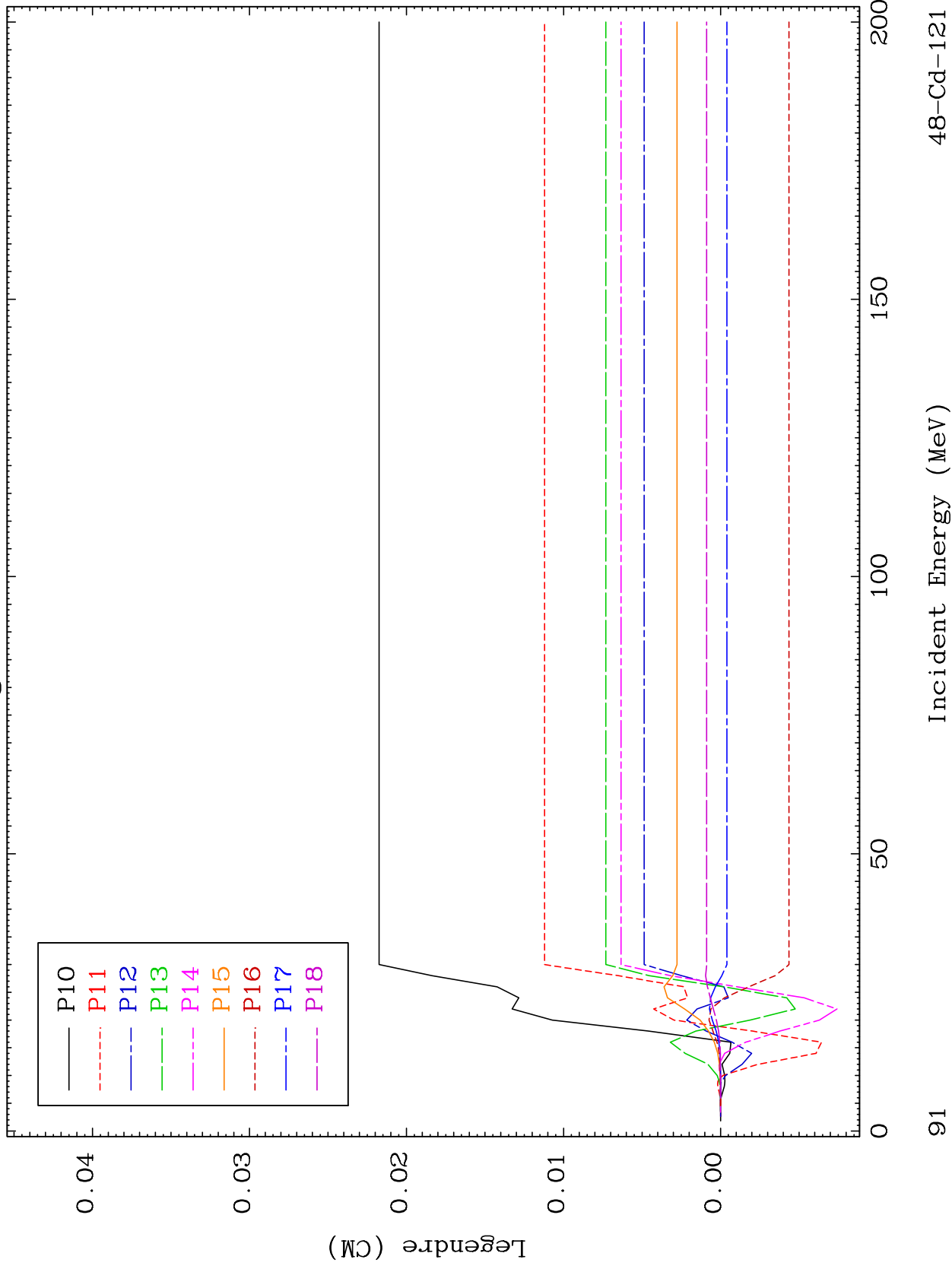




MAT 4870

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

48-Cd-121



91

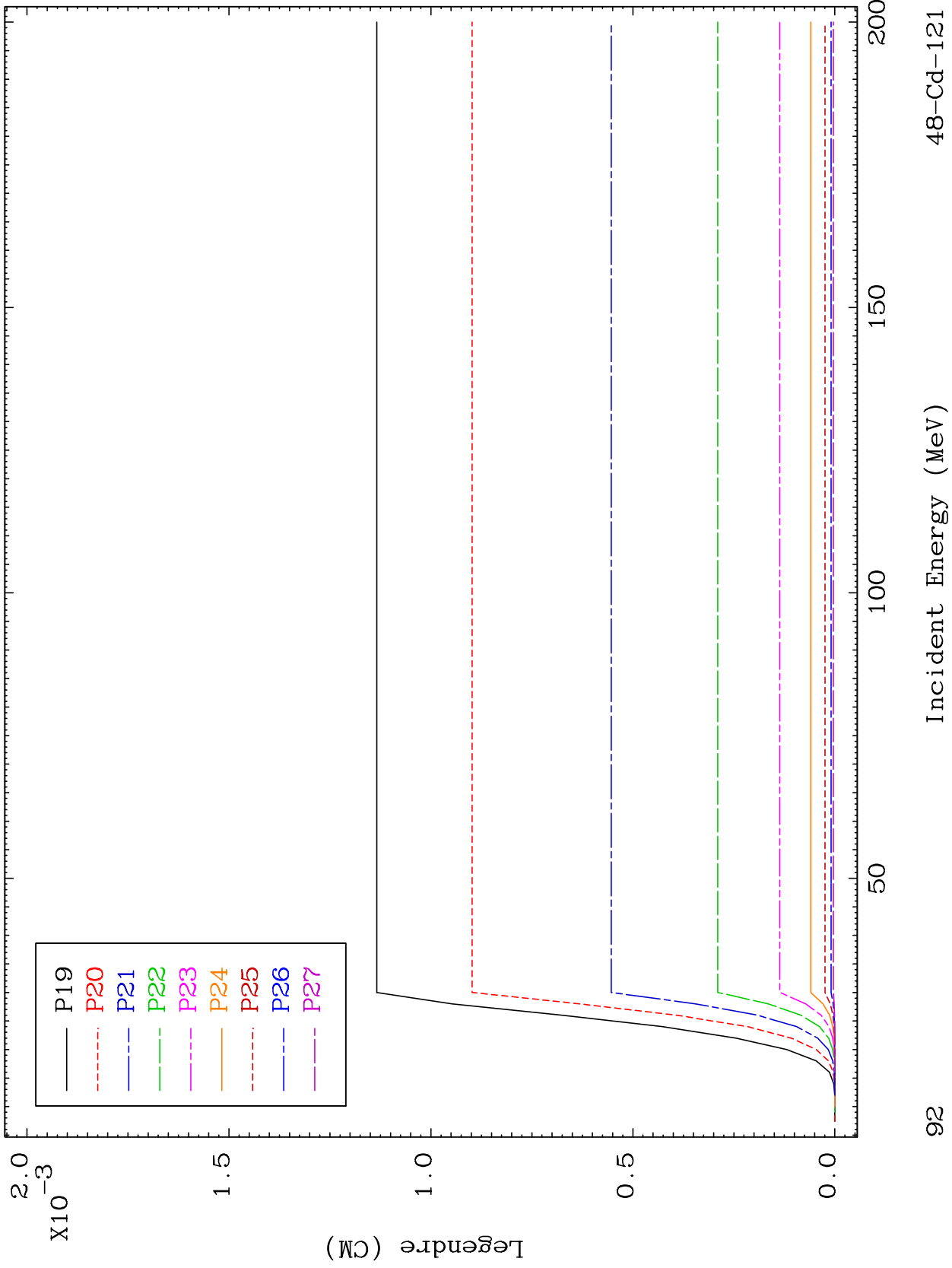
Incident Energy (MeV)

48-Cd-121

MAT 4870

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

48-Cd-121



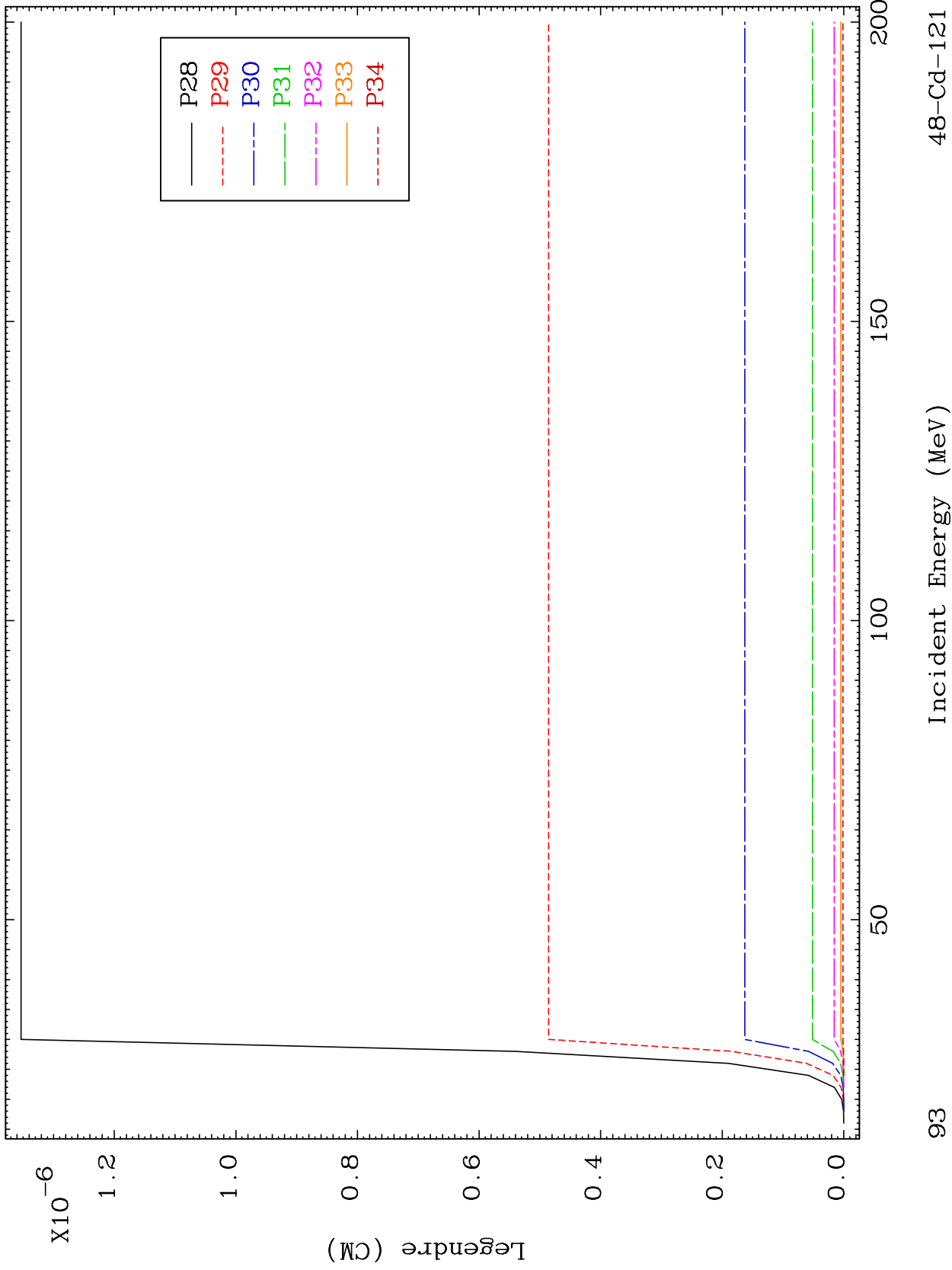
92

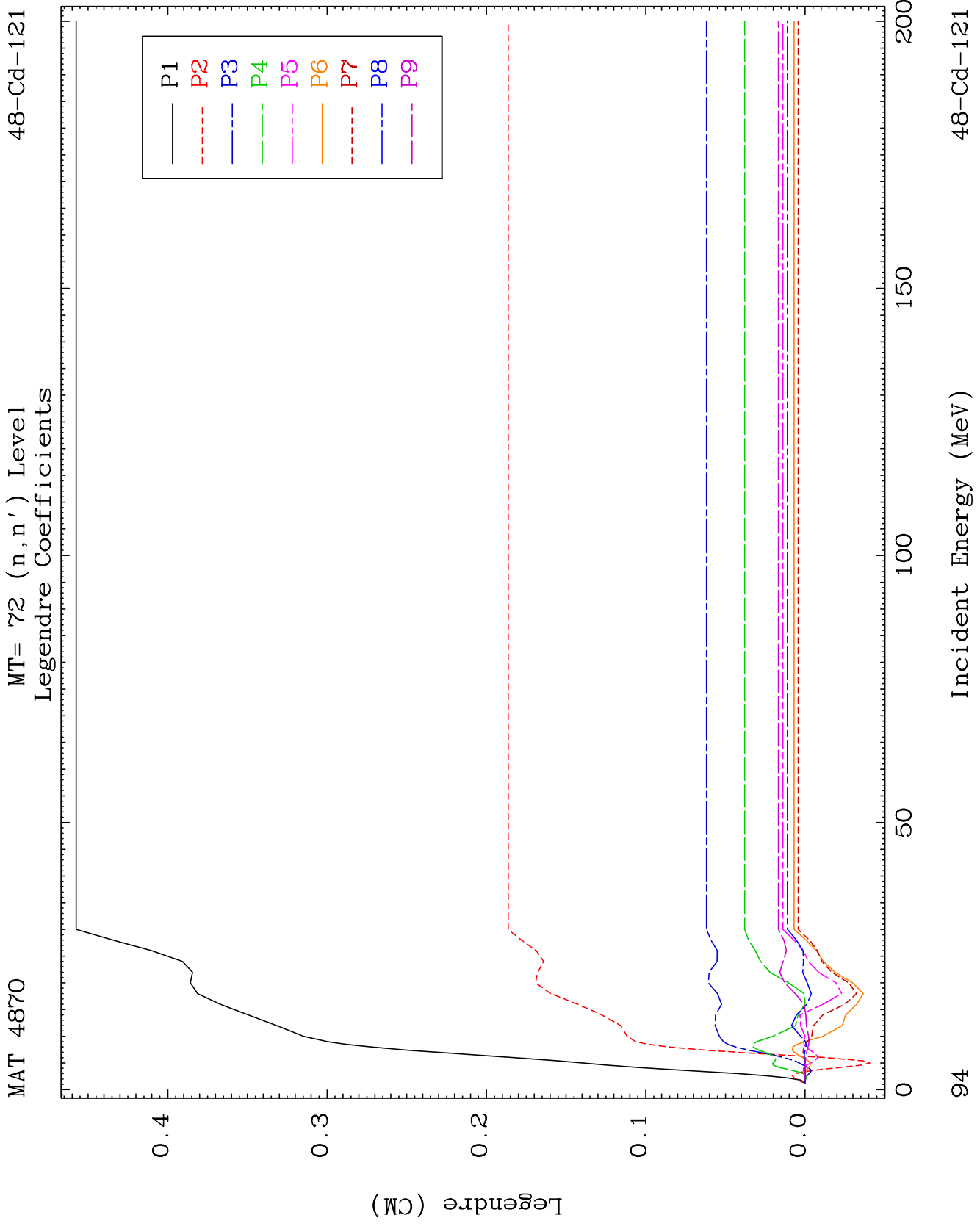
48-Cd-121

MAT 4870

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

48-Cd-121

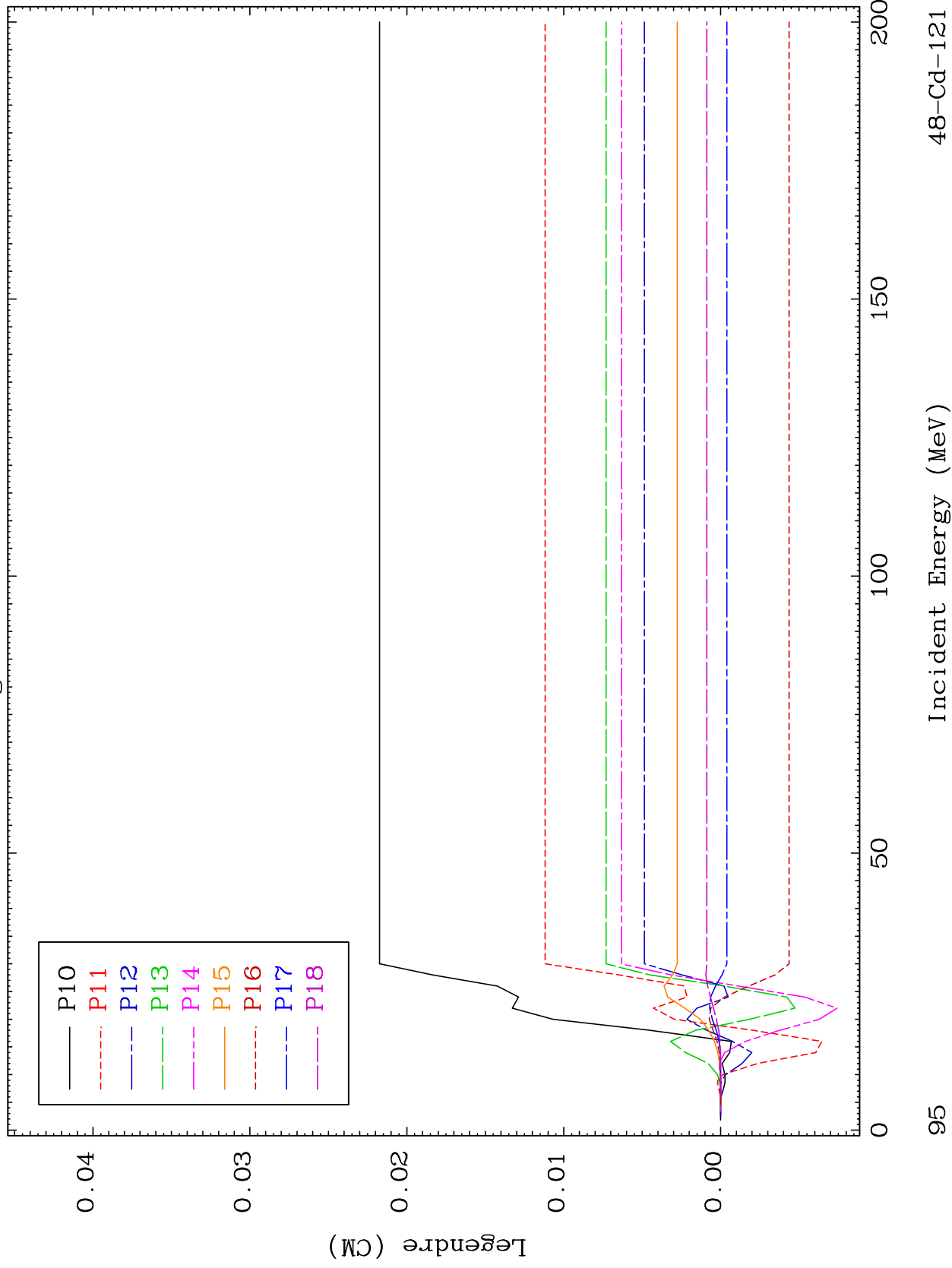




MAT 4870

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

48-Cd-121



48-Cd-121

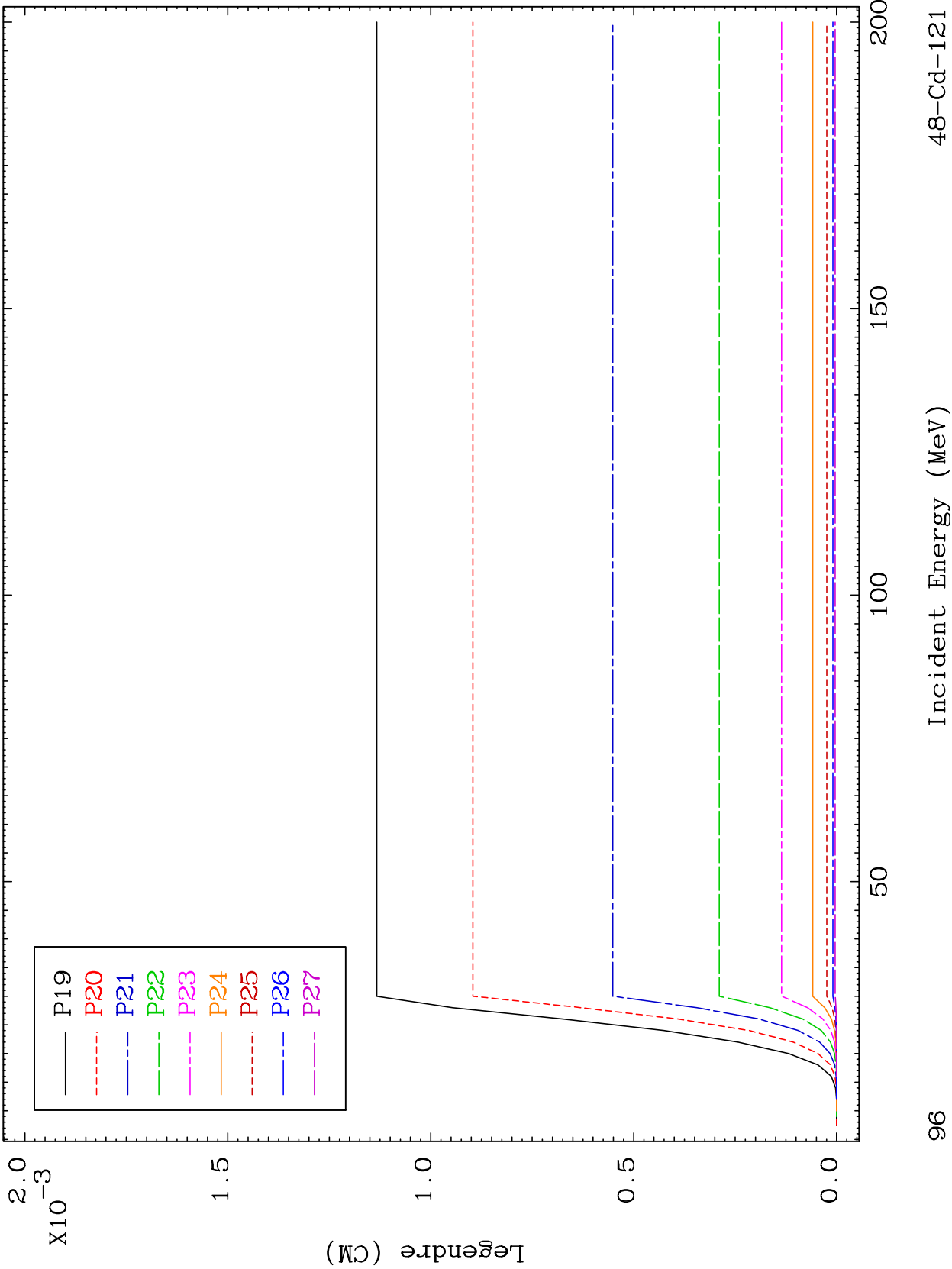
Incident Energy (MeV)

95

MAT 4870

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

48-Cd-121



96

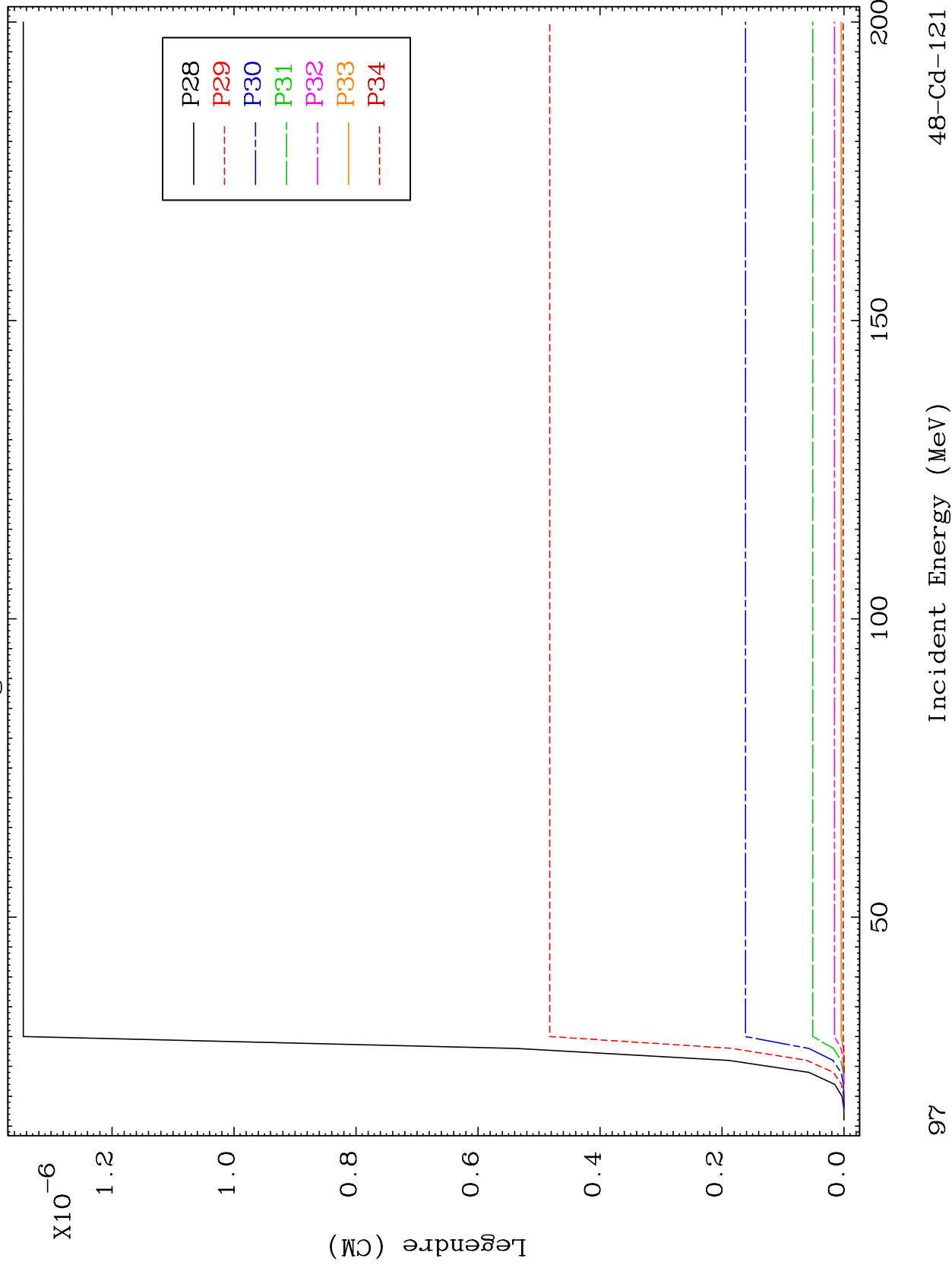
Incident Energy (MeV)

48-Cd-121

MAT 4870

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

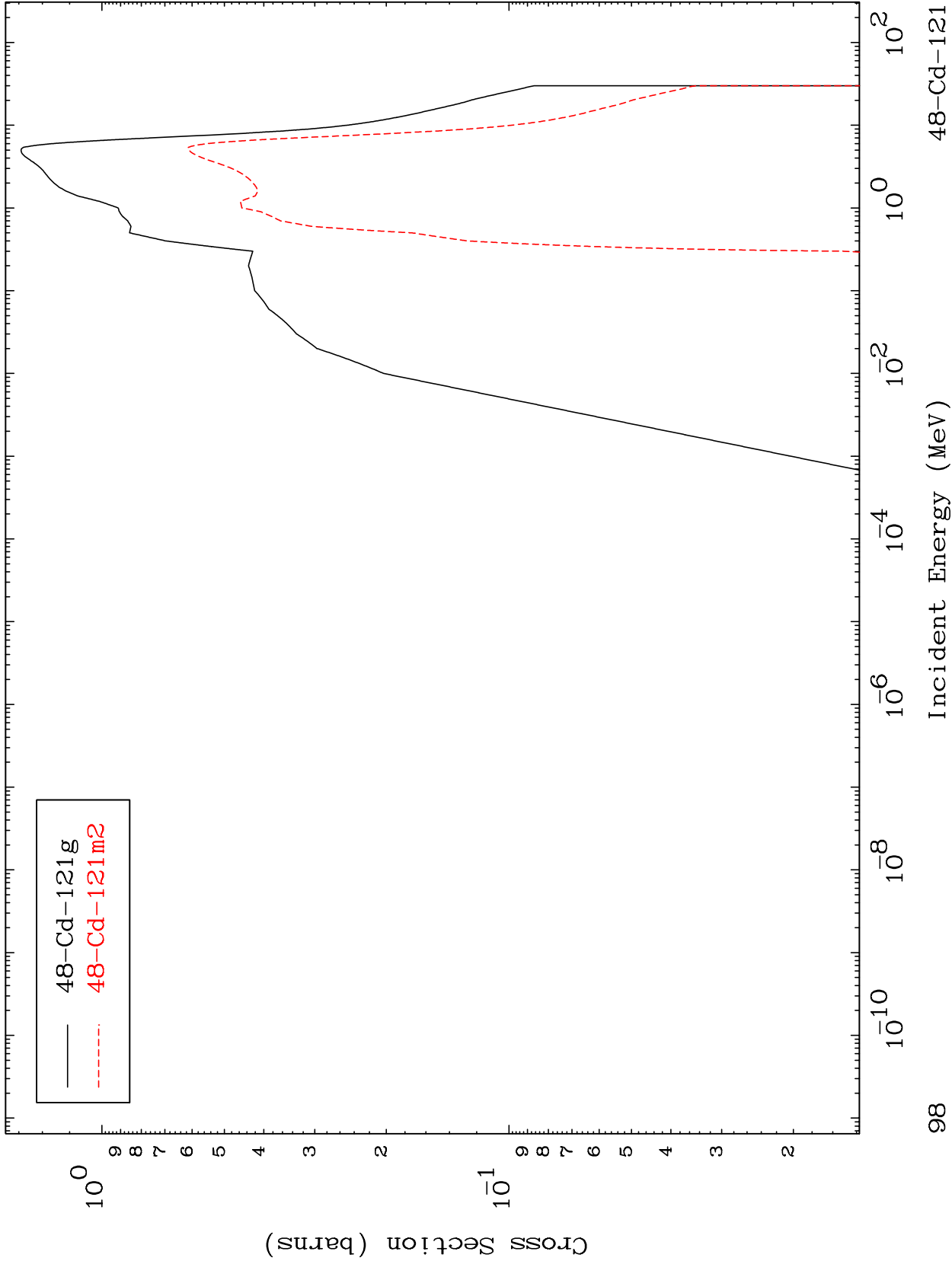
48-Cd-121



MAT 4870

Inelastic
Radionuclide Production Cross Section

48-Cd-121



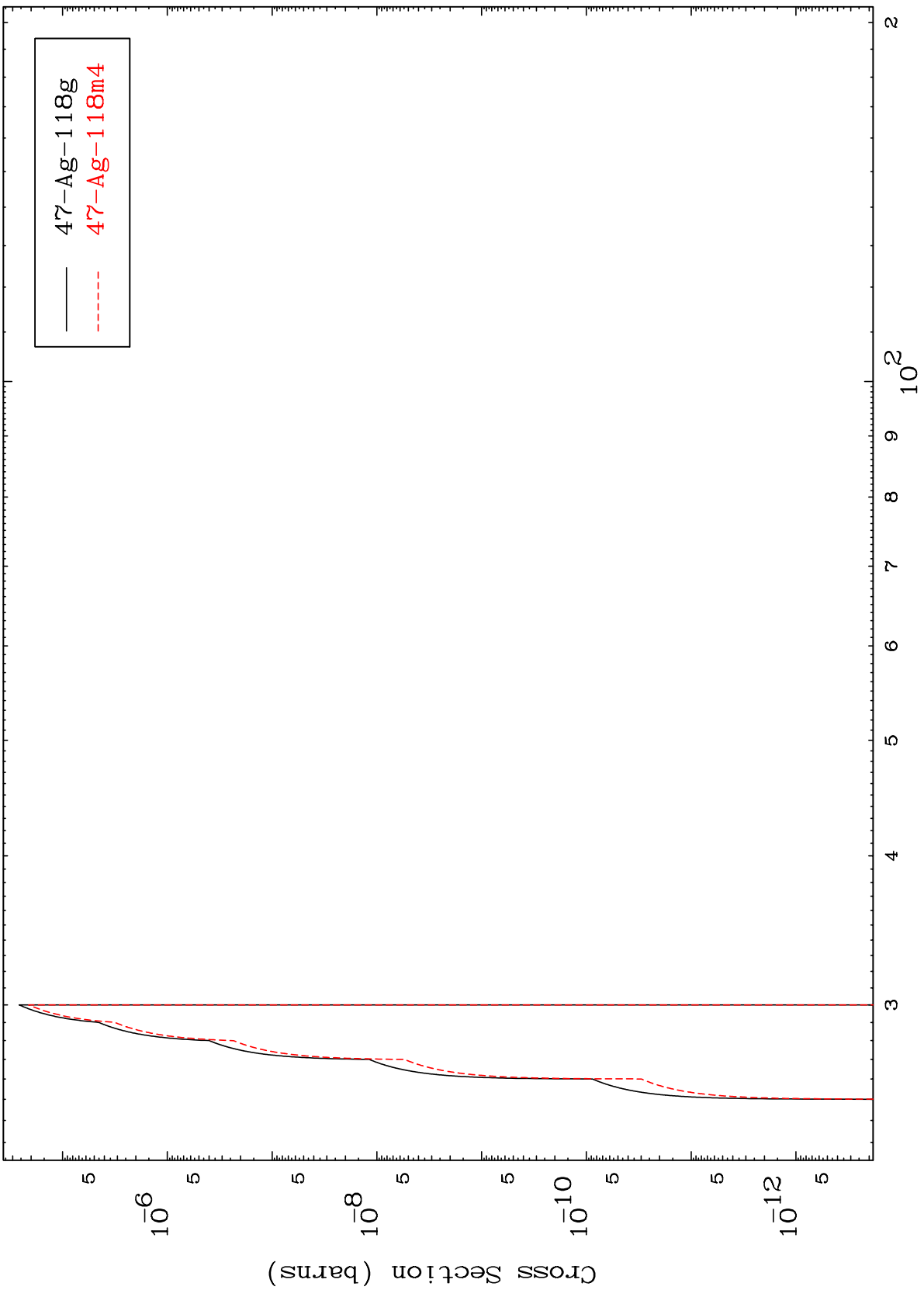
— 48-Cd-121 g
- - - 48-Cd-121 m2

MAT 4870

(n,2n) d

48-Cd-121

Radionuclide Production Cross Section



99

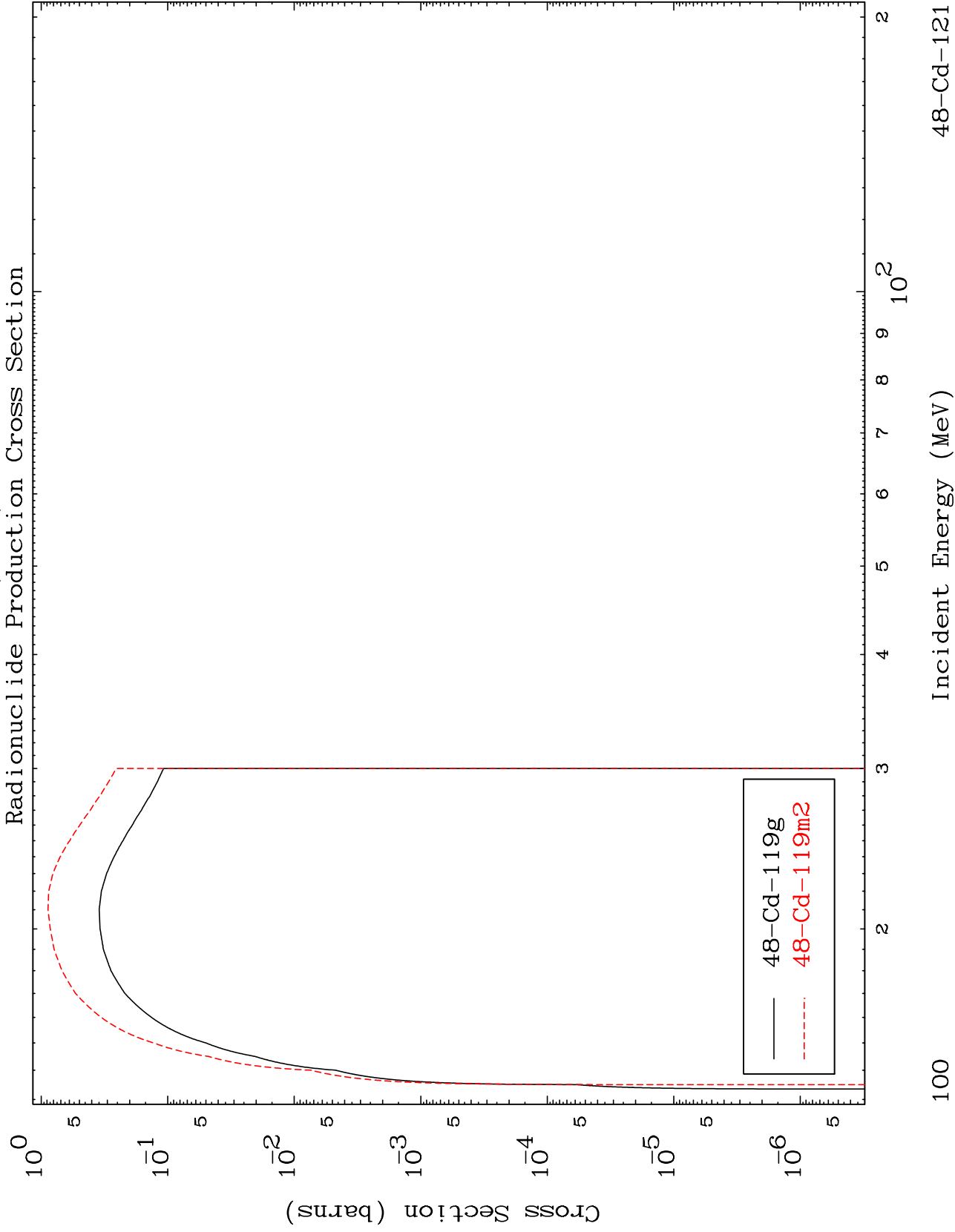
Incident Energy (MeV)

48-Cd-121

MAT 4870

(n,3n)

48-Cd-121



100

Incident Energy (MeV)

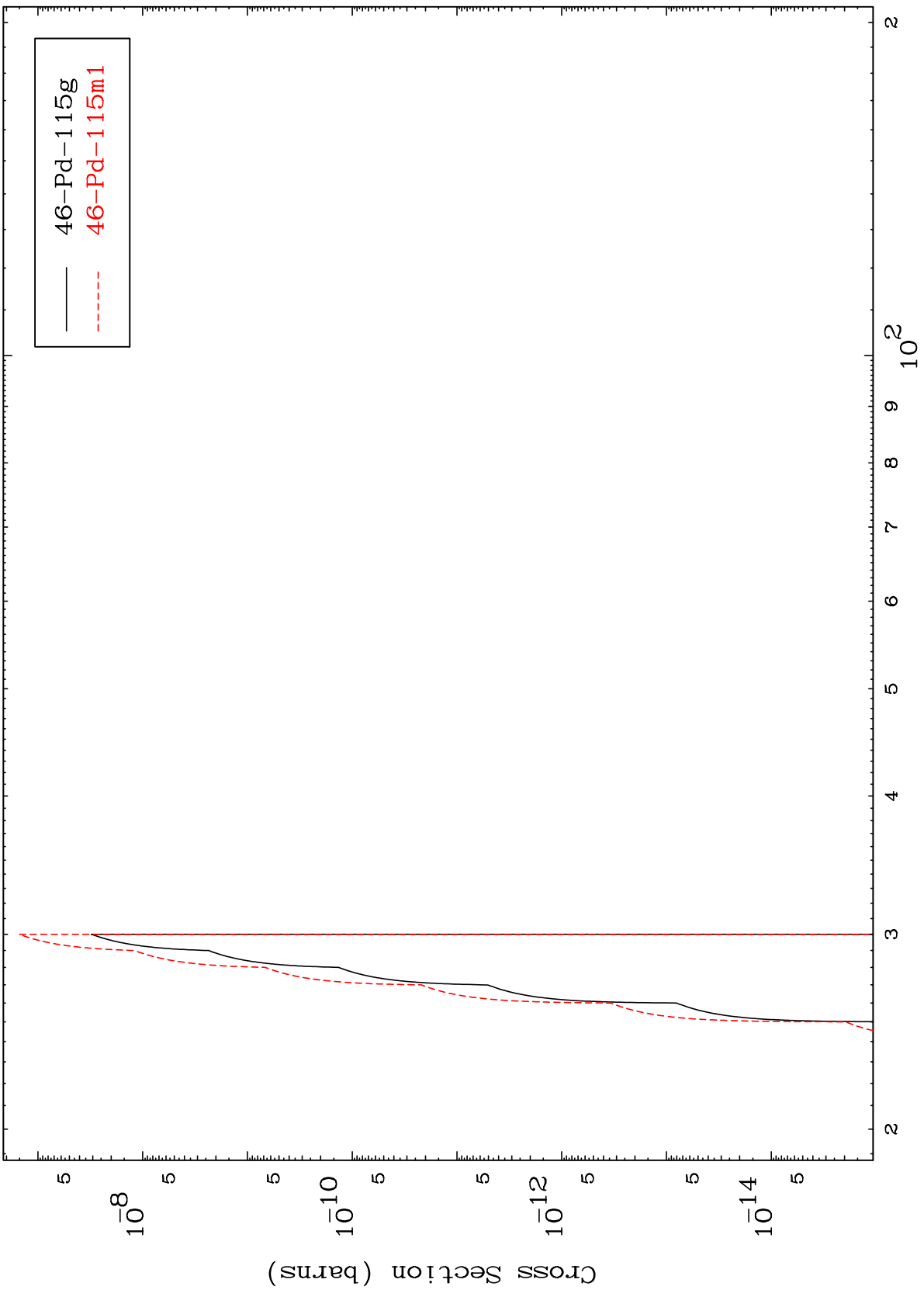
48-Cd-121

MAT 4870

(n,3n) α

48-Cd-121

Radionuclide Production Cross Section



101

Incident Energy (MeV)

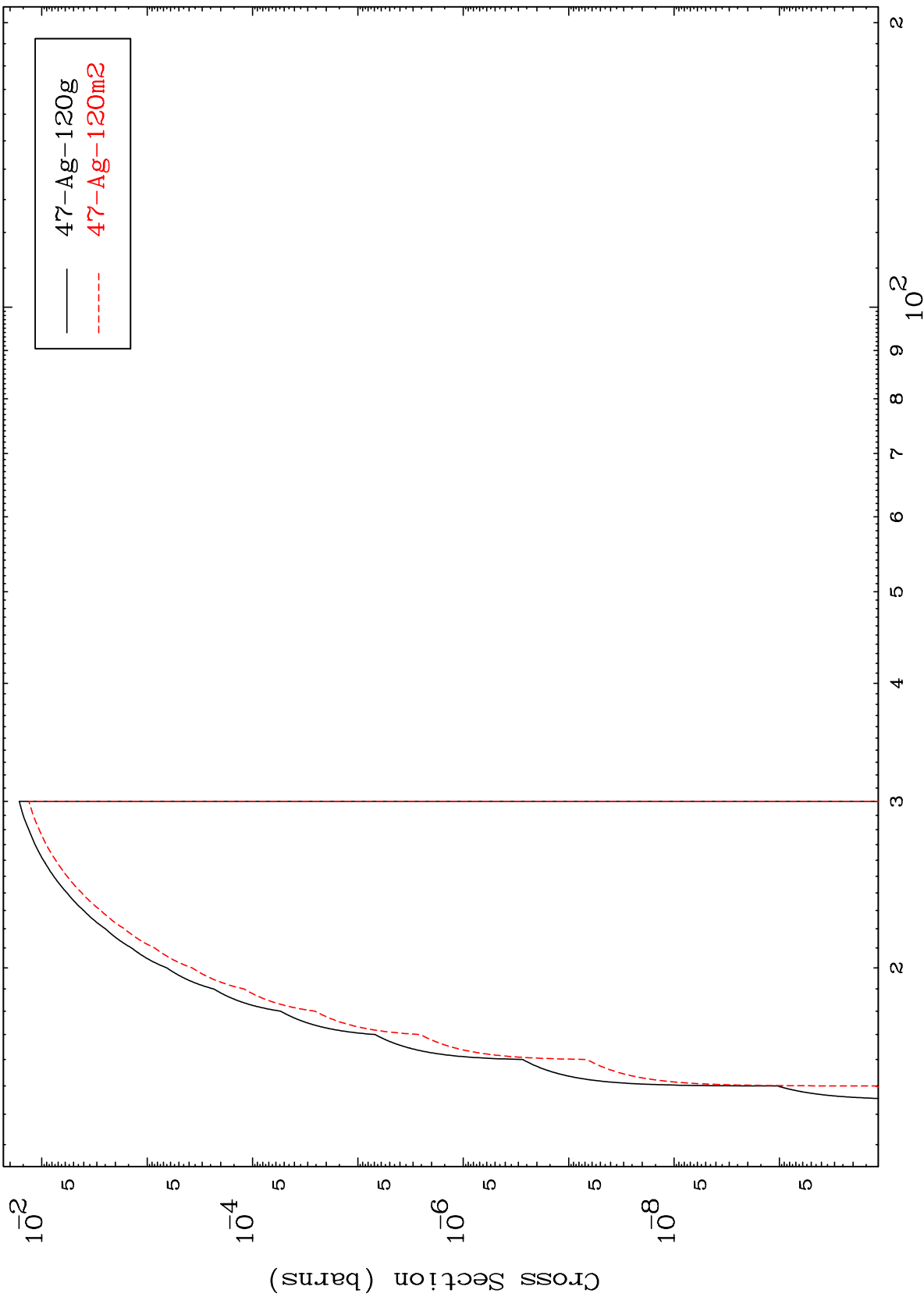
48-Cd-121

MAT 4870

(n,n') p

48-Cd-121

Radionuclide Production Cross Section



102

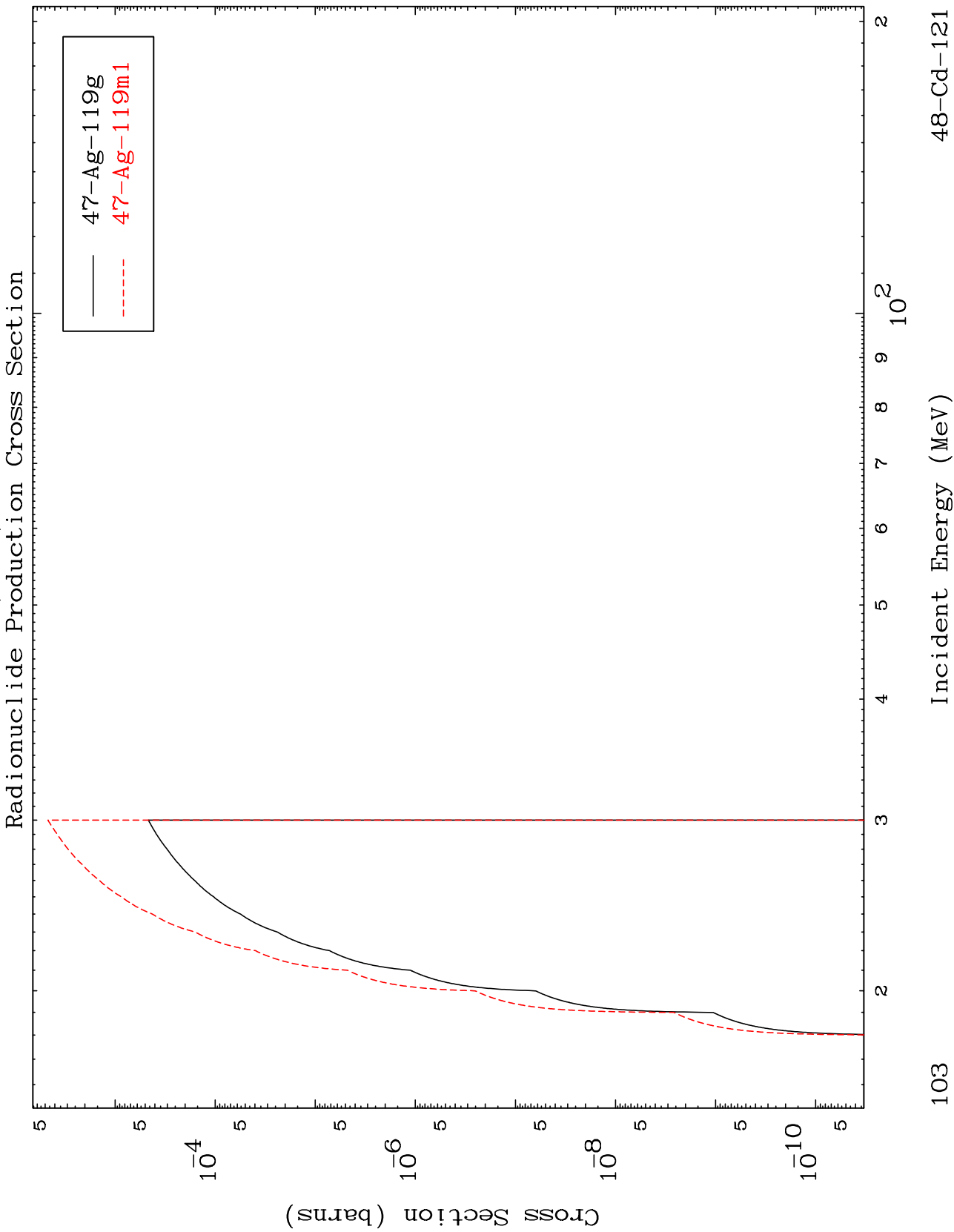
Incident Energy (MeV)

48-Cd-121

MAT 4870

(n,n') d

48-Cd-121



103

Incident Energy (MeV)

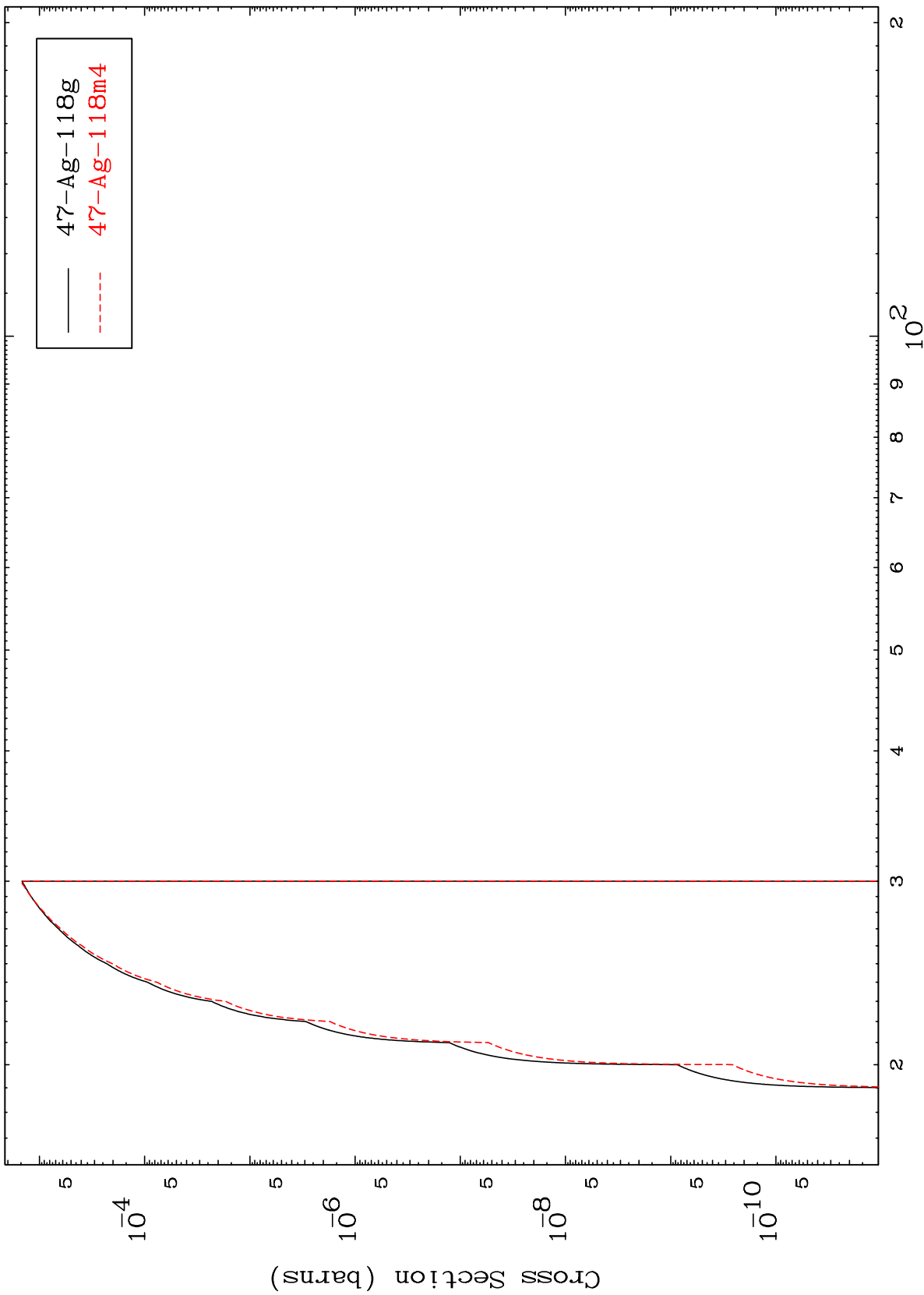
48-Cd-121

MAT 4870

(n,n') t

48-Cd-121

Radionuclide Production Cross Section



104

Incident Energy (MeV)

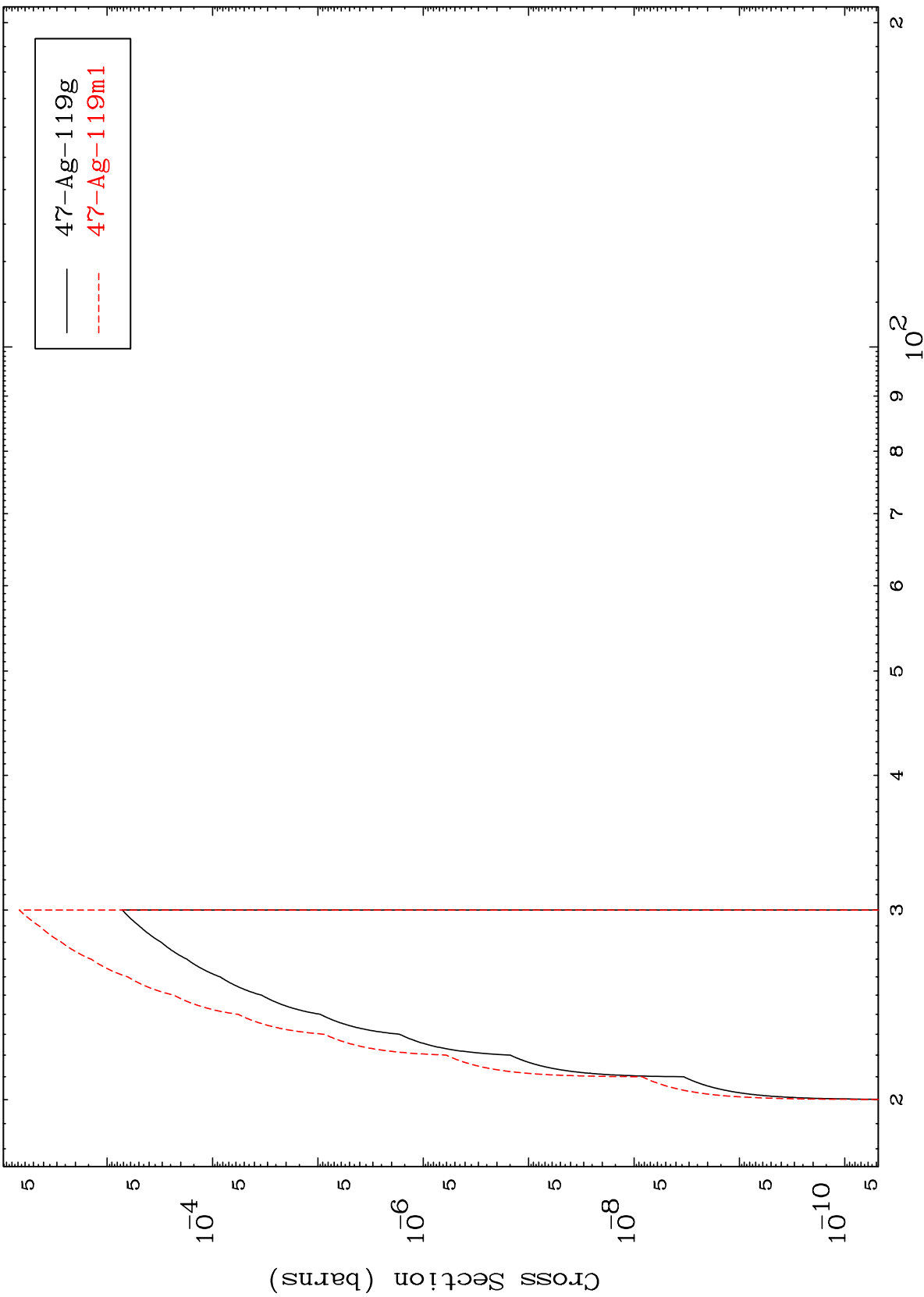
48-Cd-121

MAT 4870

(n,2n) p

48-Cd-121

Radionuclide Production Cross Section

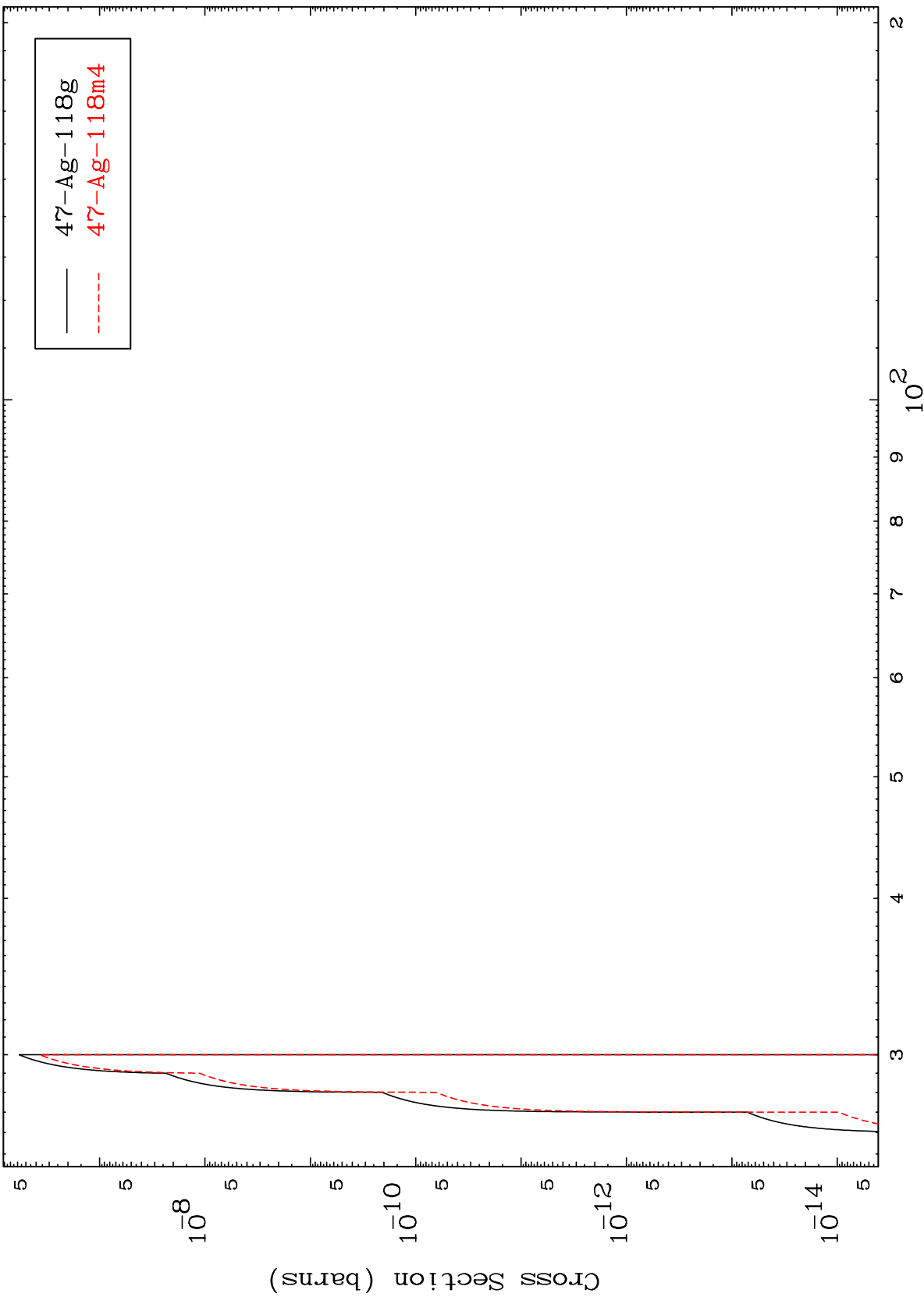


105

Incident Energy (MeV)

48-Cd-121

Radionuclide Production Cross Section

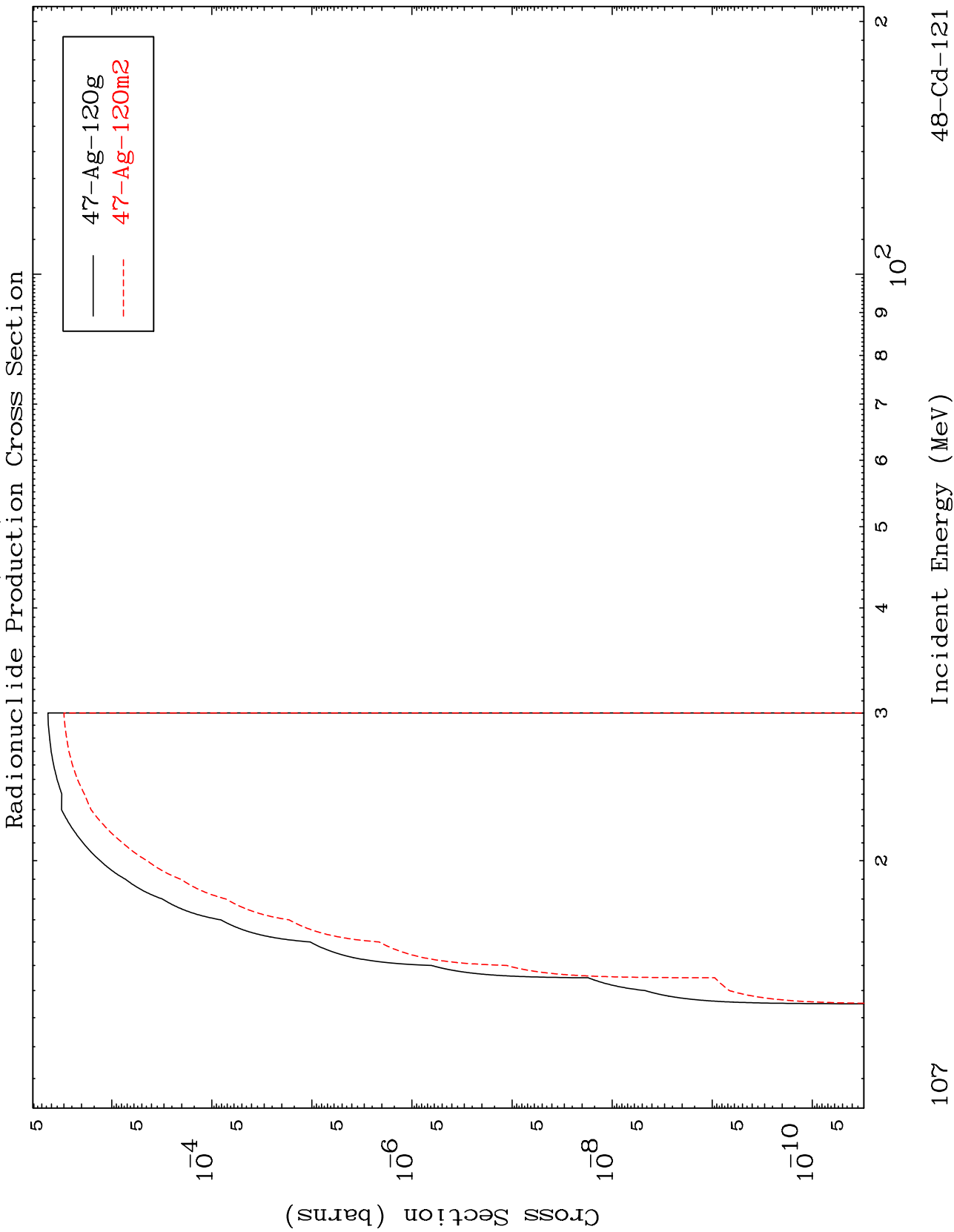


47-Ag-118g
47-Ag-118m4

MAT 4870

(n,d)

48-Cd-121



107

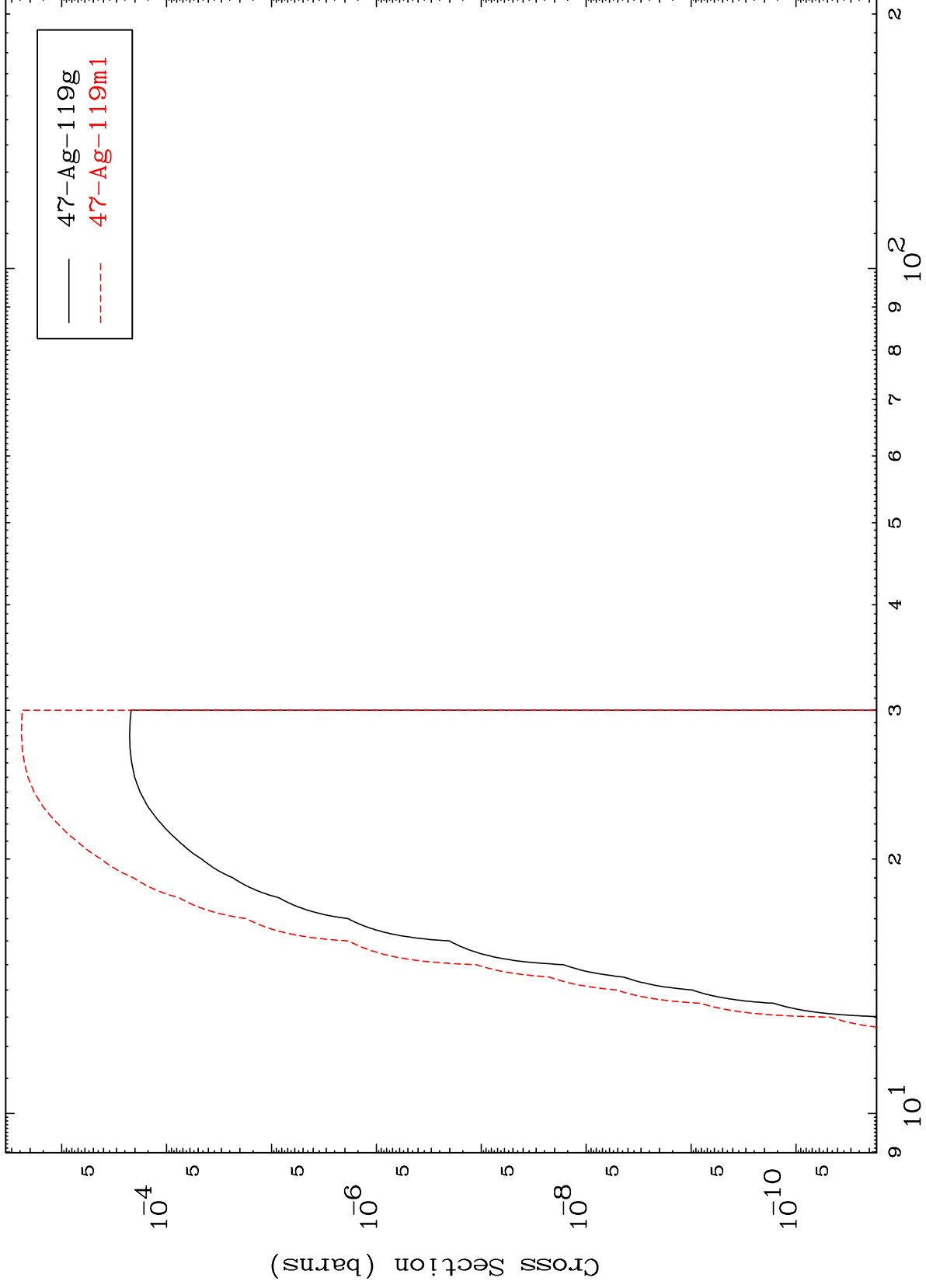
Incident Energy (MeV)

48-Cd-121

MAT 4870

48-Cd-121

(n, t)
Radionuclide Production Cross Section



48-Cd-121

Incident Energy (MeV)

108