

Program EVALPLOT  
(Version 2021-1)

by

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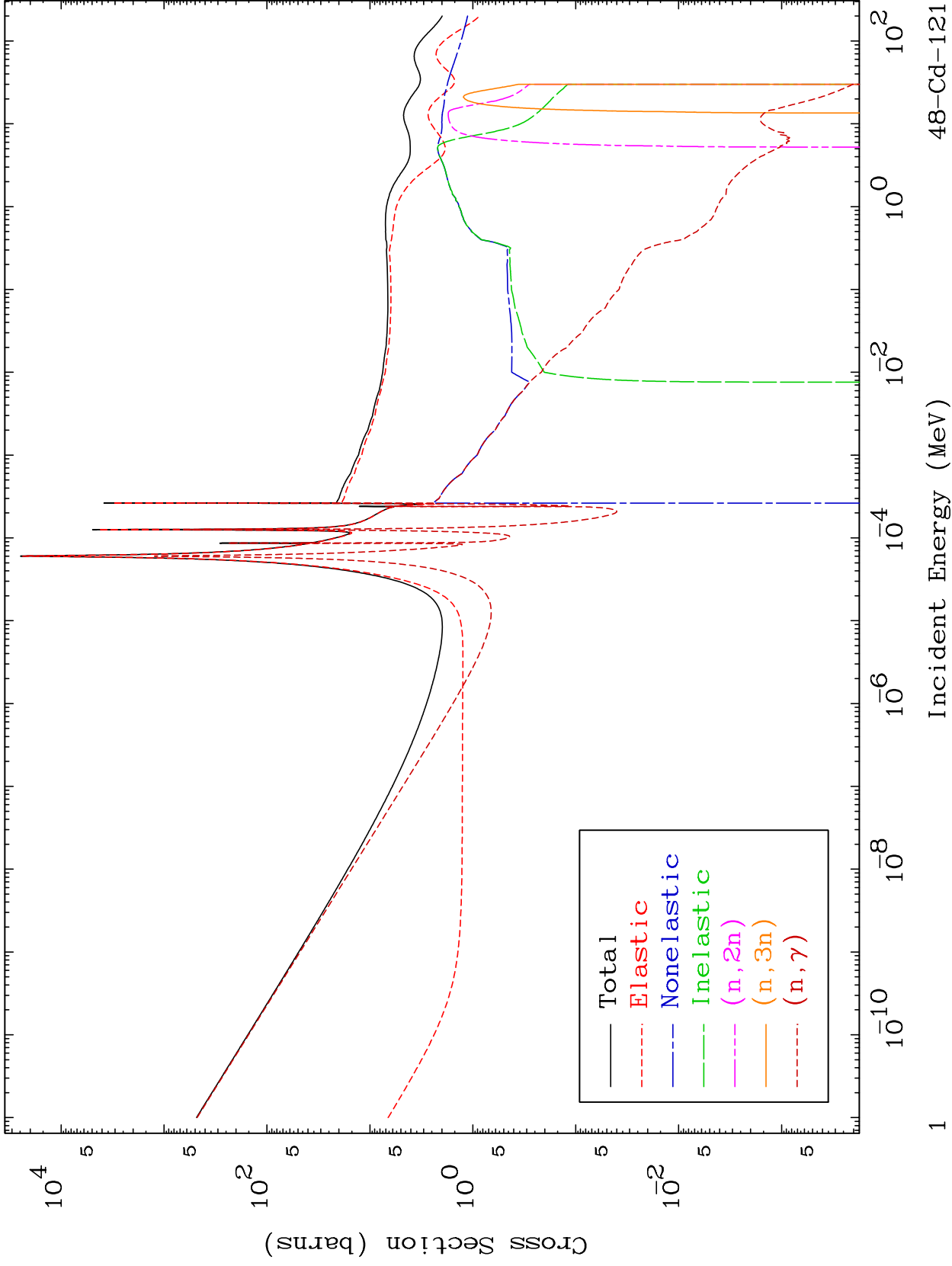
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4870

Neutron Major  
293 Kelvin Cross Sections

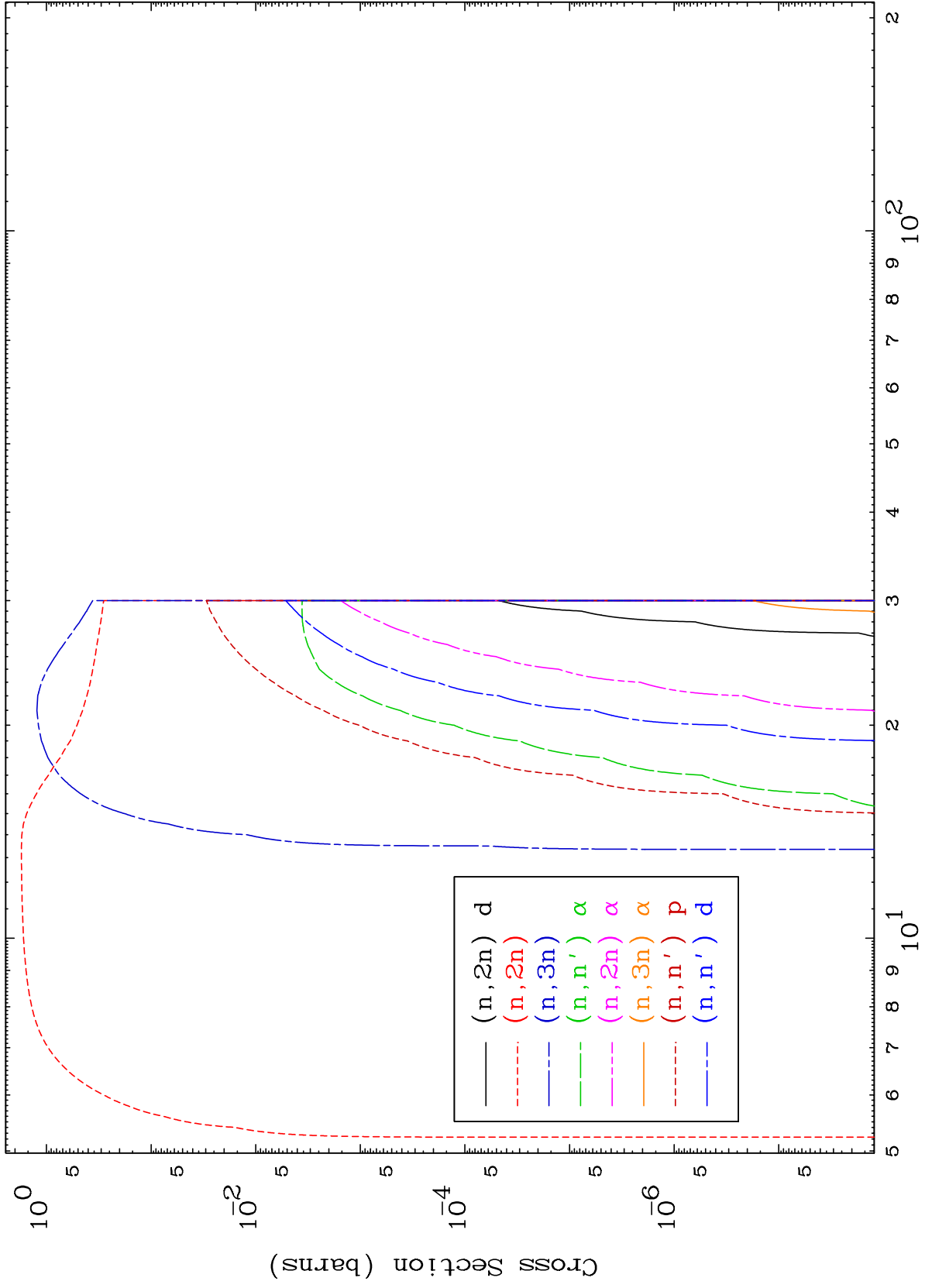
48-Cd-121



MAT 4870

Neutron Absorption  
293 Kelvin Cross Sections

48-Cd-121



2

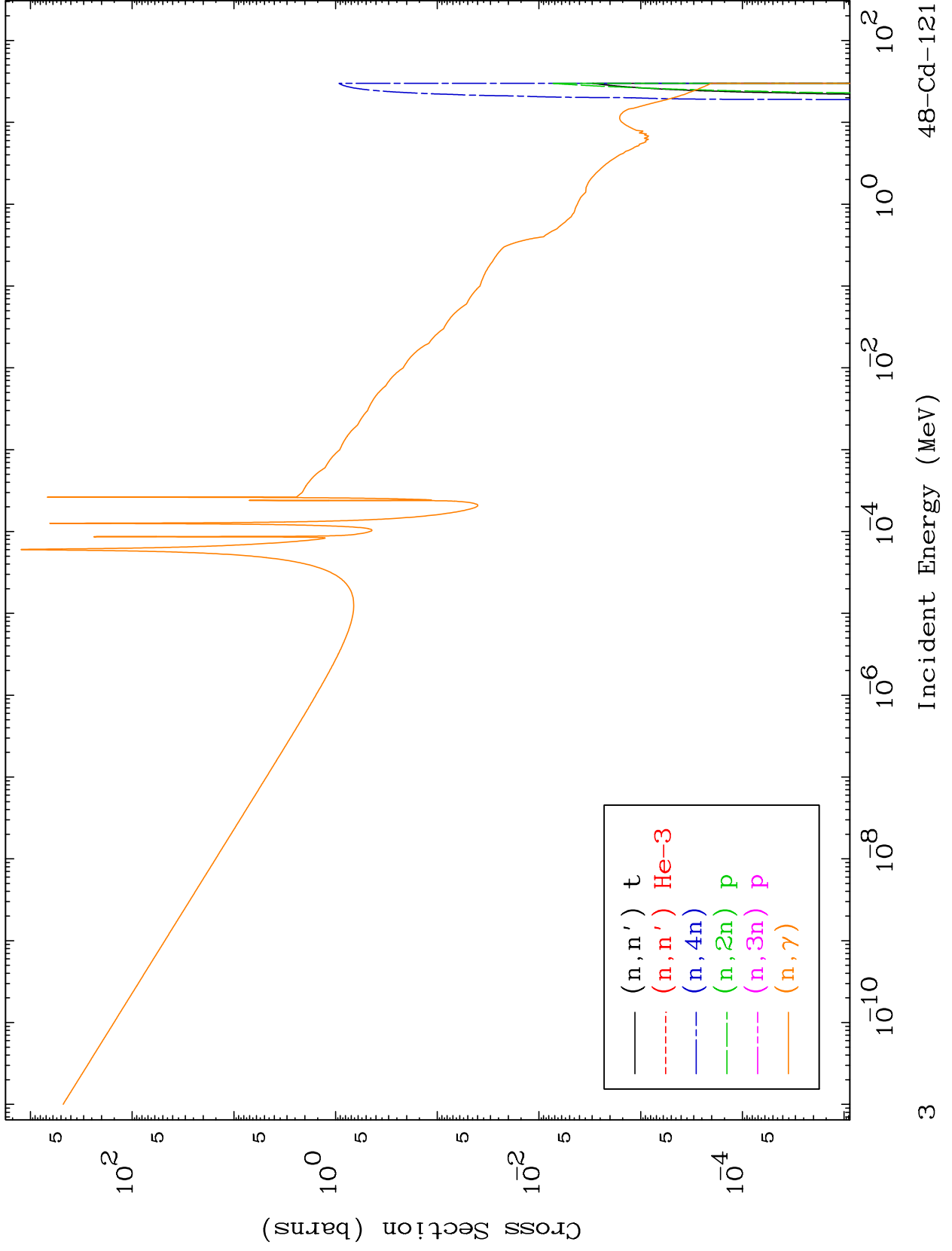
Incident Energy (MeV)

48-Cd-121

MAT 4870

Neutron Absorption  
293 Kelvin Cross Sections

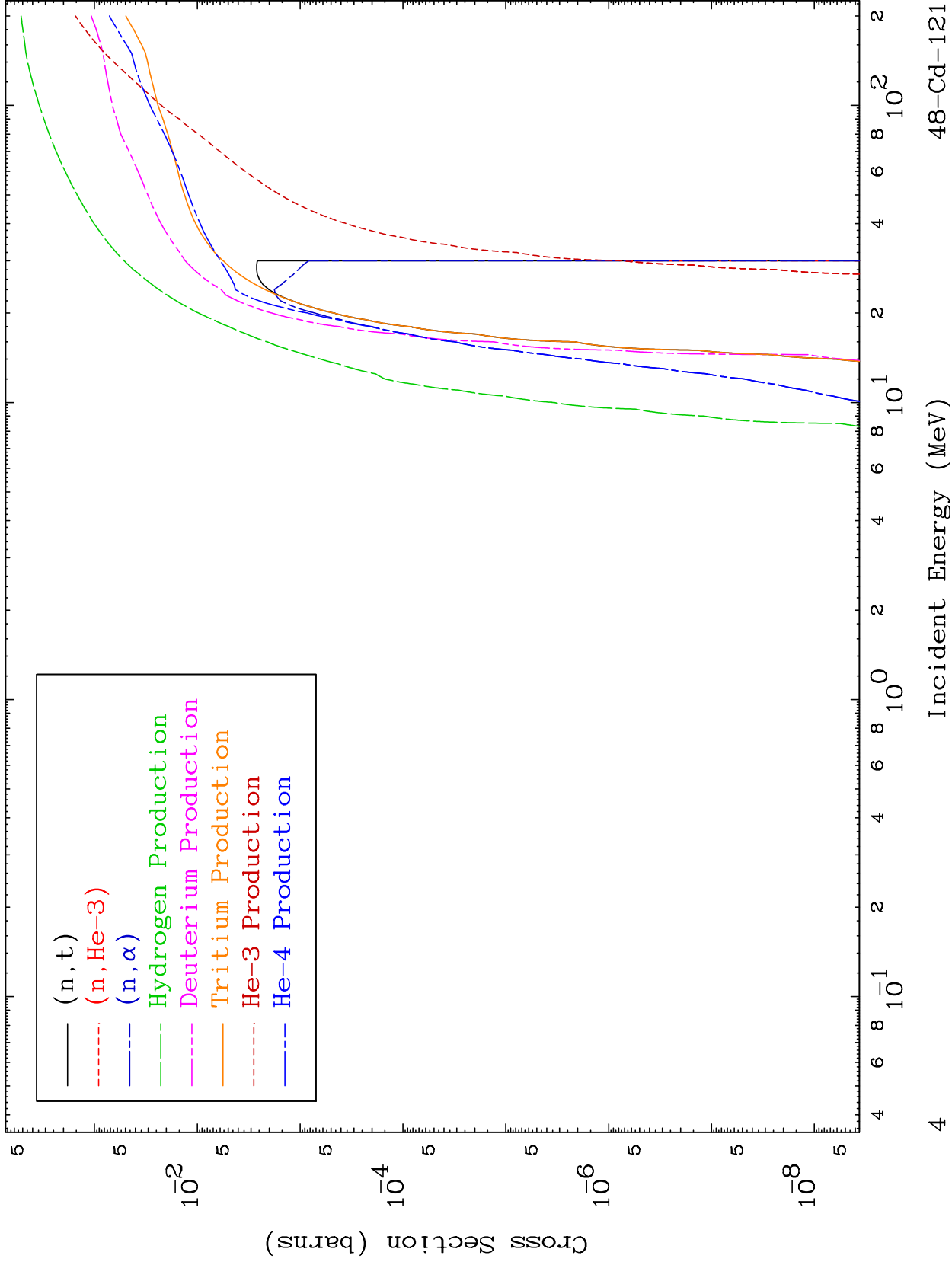
48-Cd-121



MAT 4870

Neutron Absorption  
293 Kelvin Cross Sections

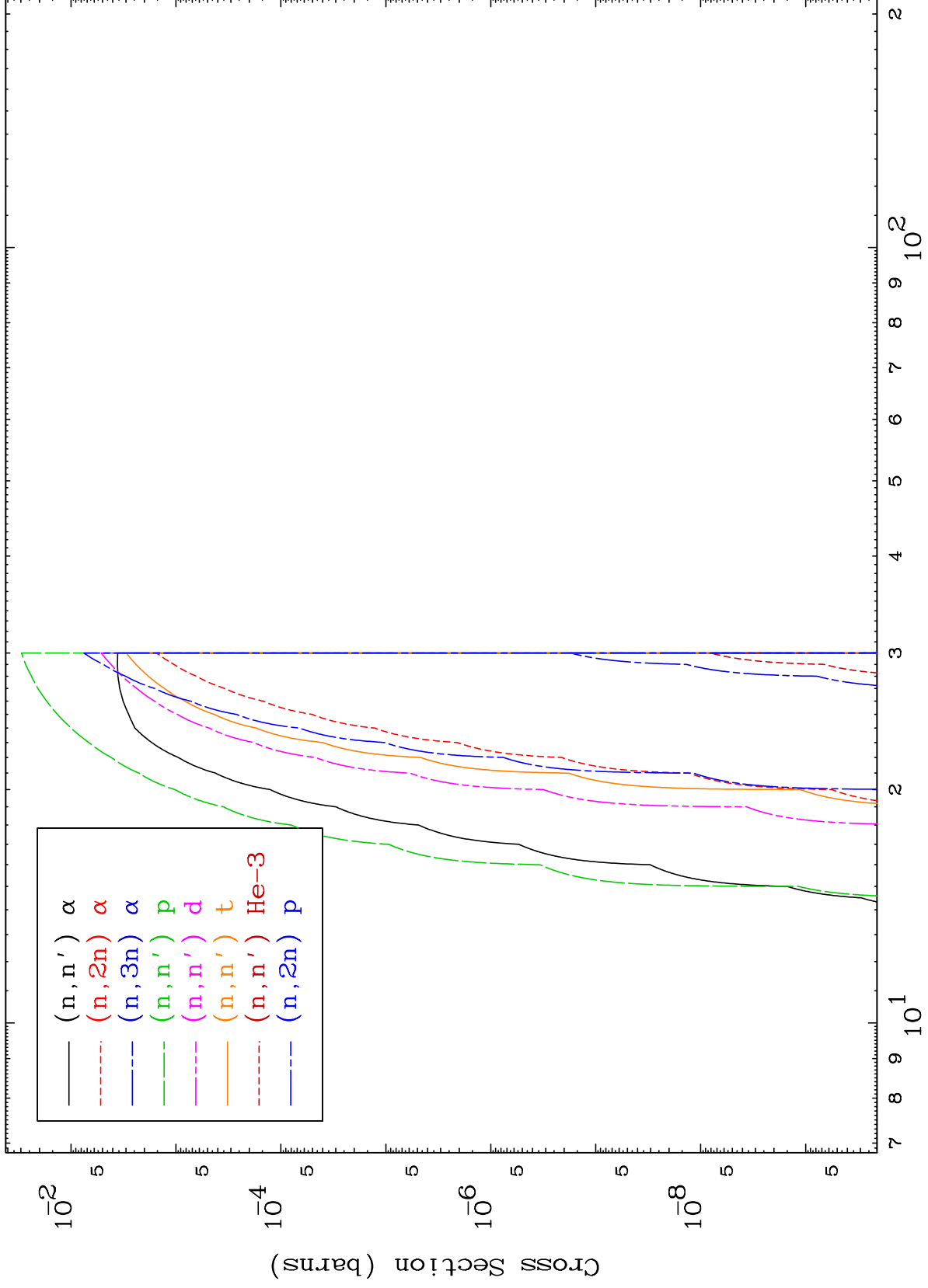
48-Cd-121



MAT 4870

Charged Particle  
293 Kelvin Cross Sections

48-Cd-121



5

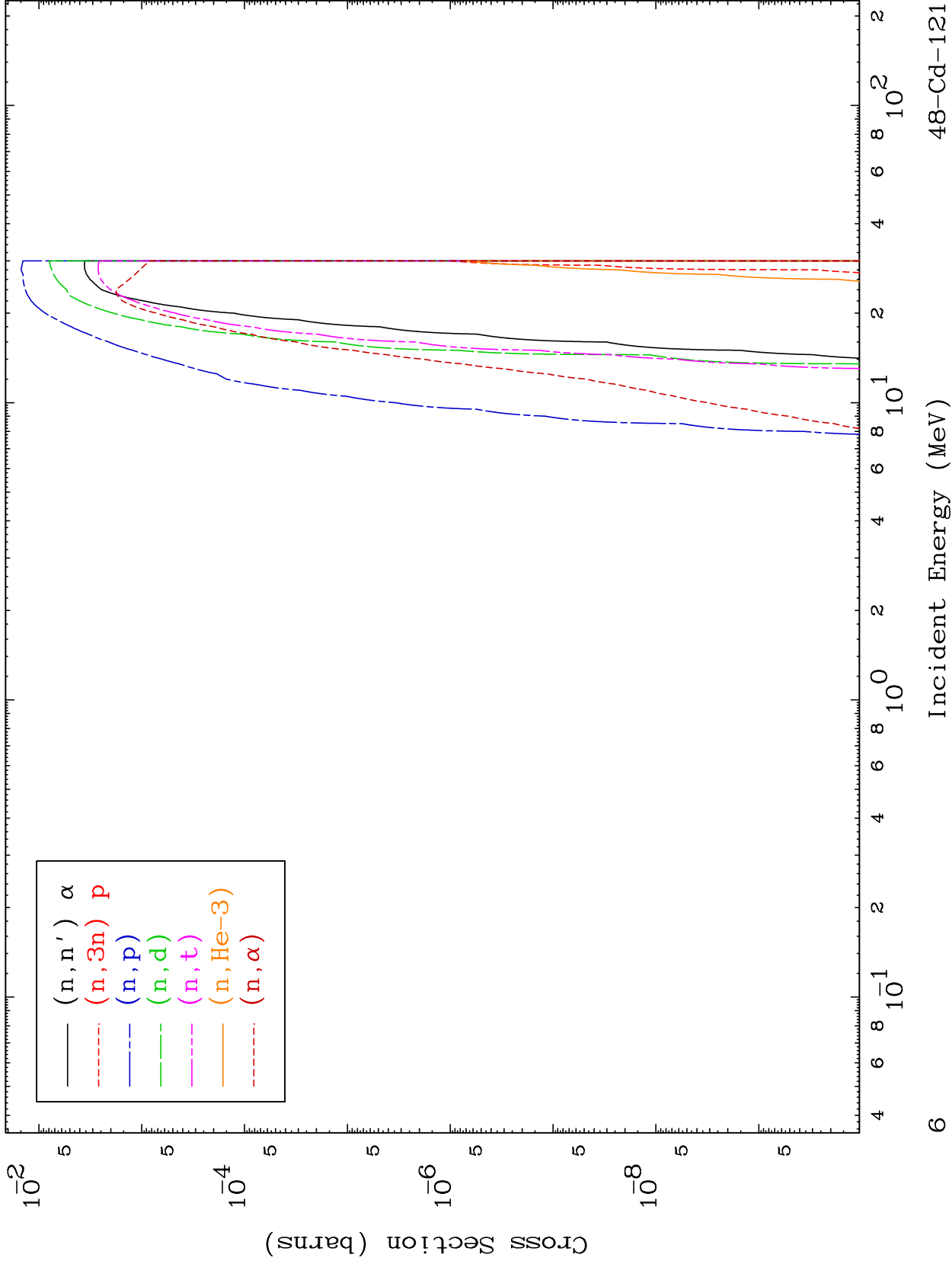
Incident Energy (MeV)

48-Cd-121

MAT 4870

Charged Particle  
293 Kelvin Cross Sections

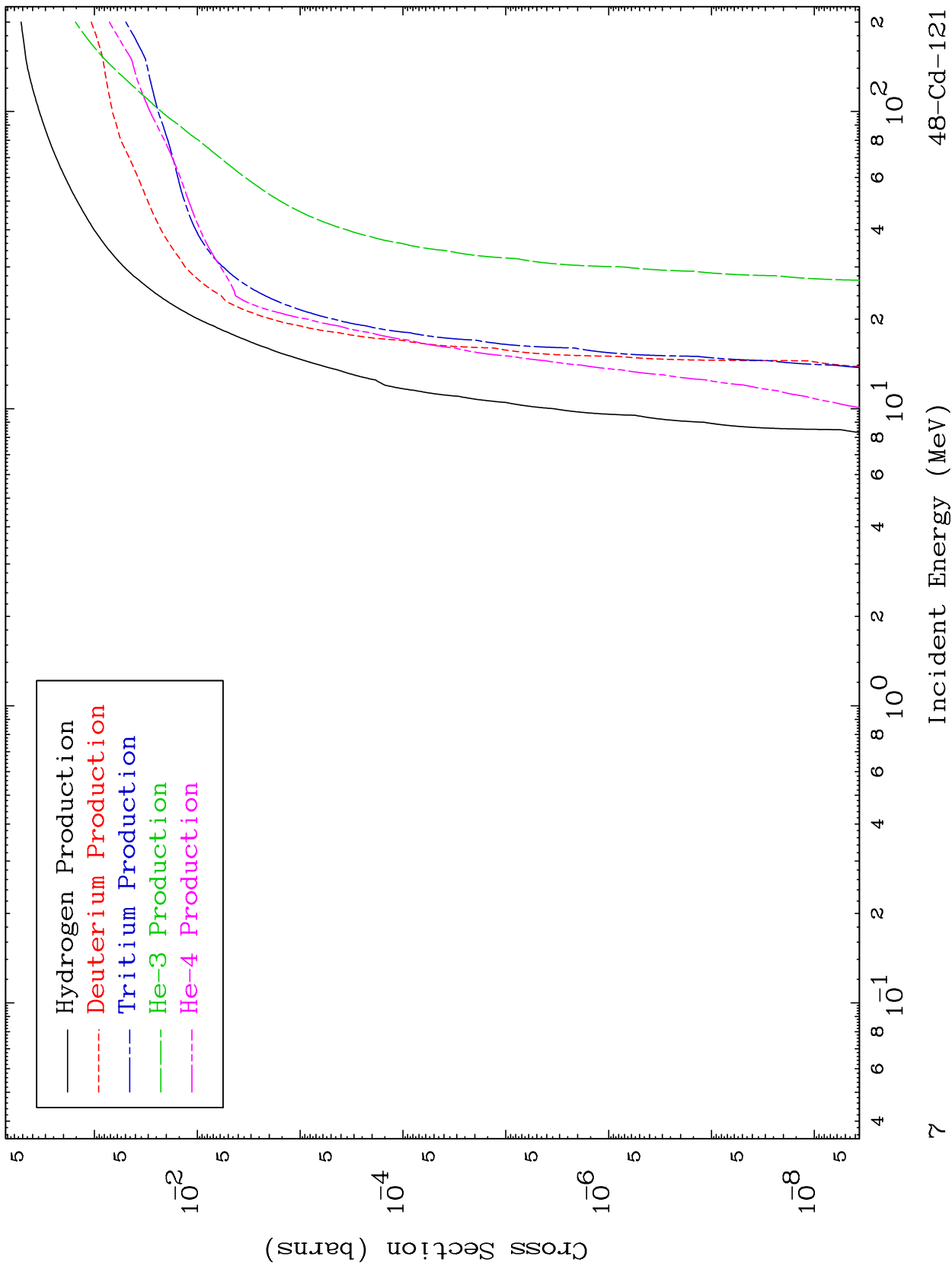
48-Cd-121



MAT 4870

Particle Production  
293 Kelvin Cross Sections

48-Cd-121





MAT 4870

(n,n') Levels

48-Cd-121

293 Kelvin Cross Sections

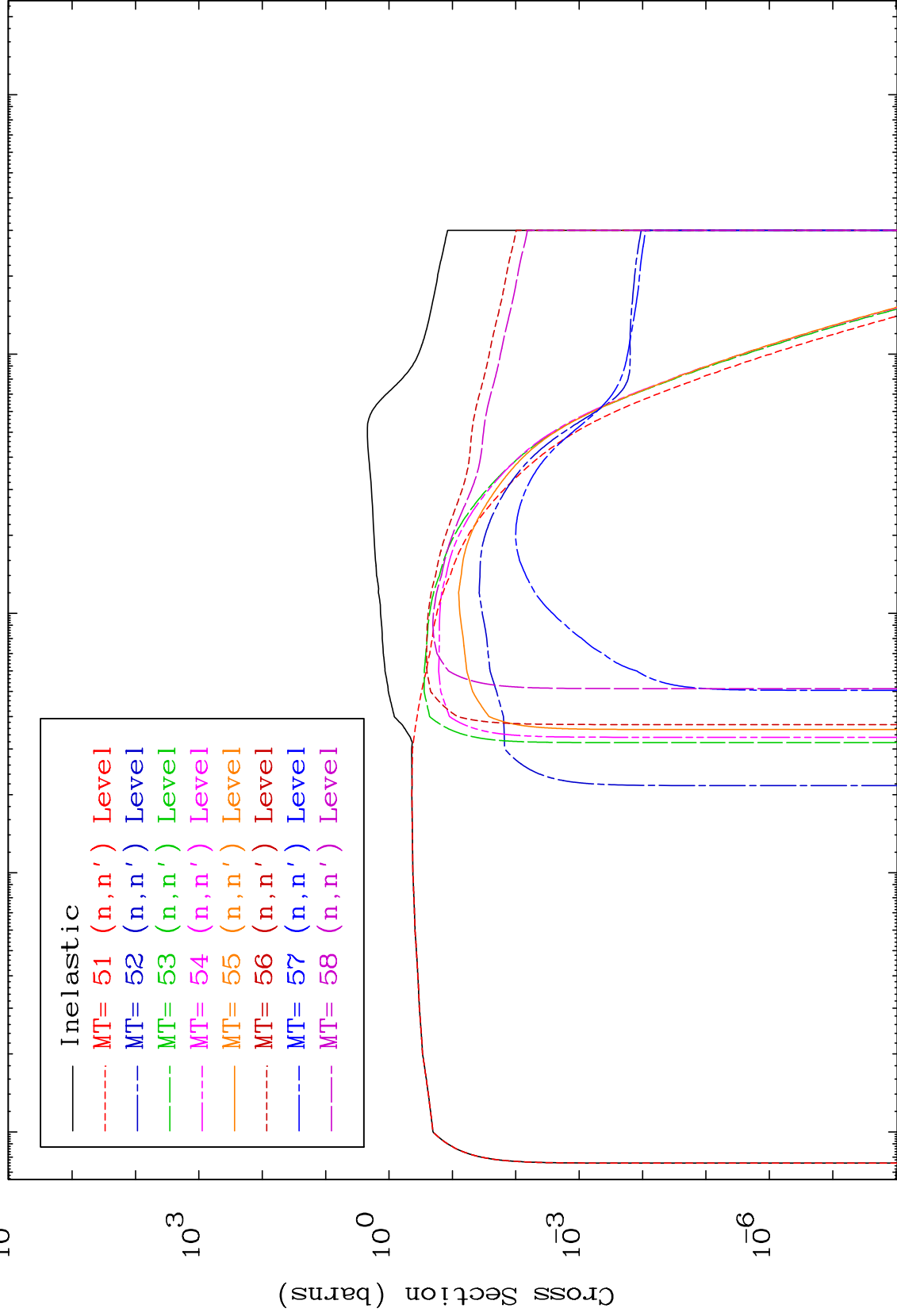
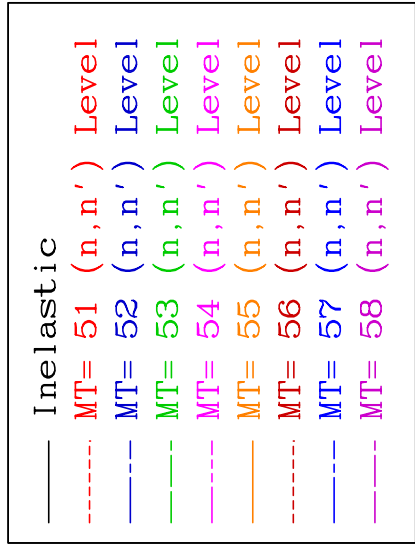
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$10^3$

$10^0$

$10^{-3}$

$10^{-6}$



$10^2$

$10^1$

$10^0$

$10^{-1}$

$10^{-2}$

Incident Energy (MeV)

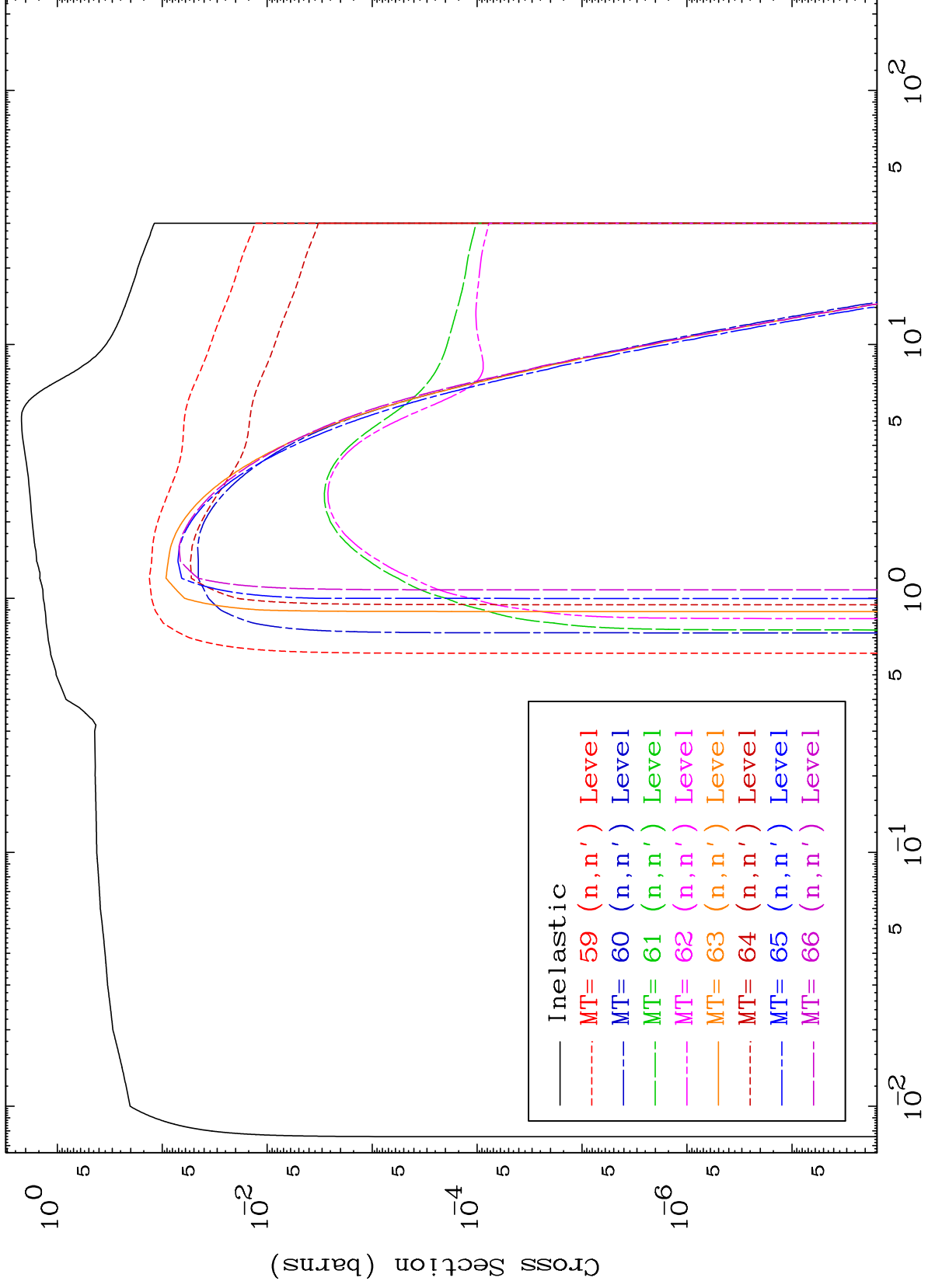
48-Cd-121

8

MAT 4870

(n,n') Levels  
293 Kelvin Cross Sections

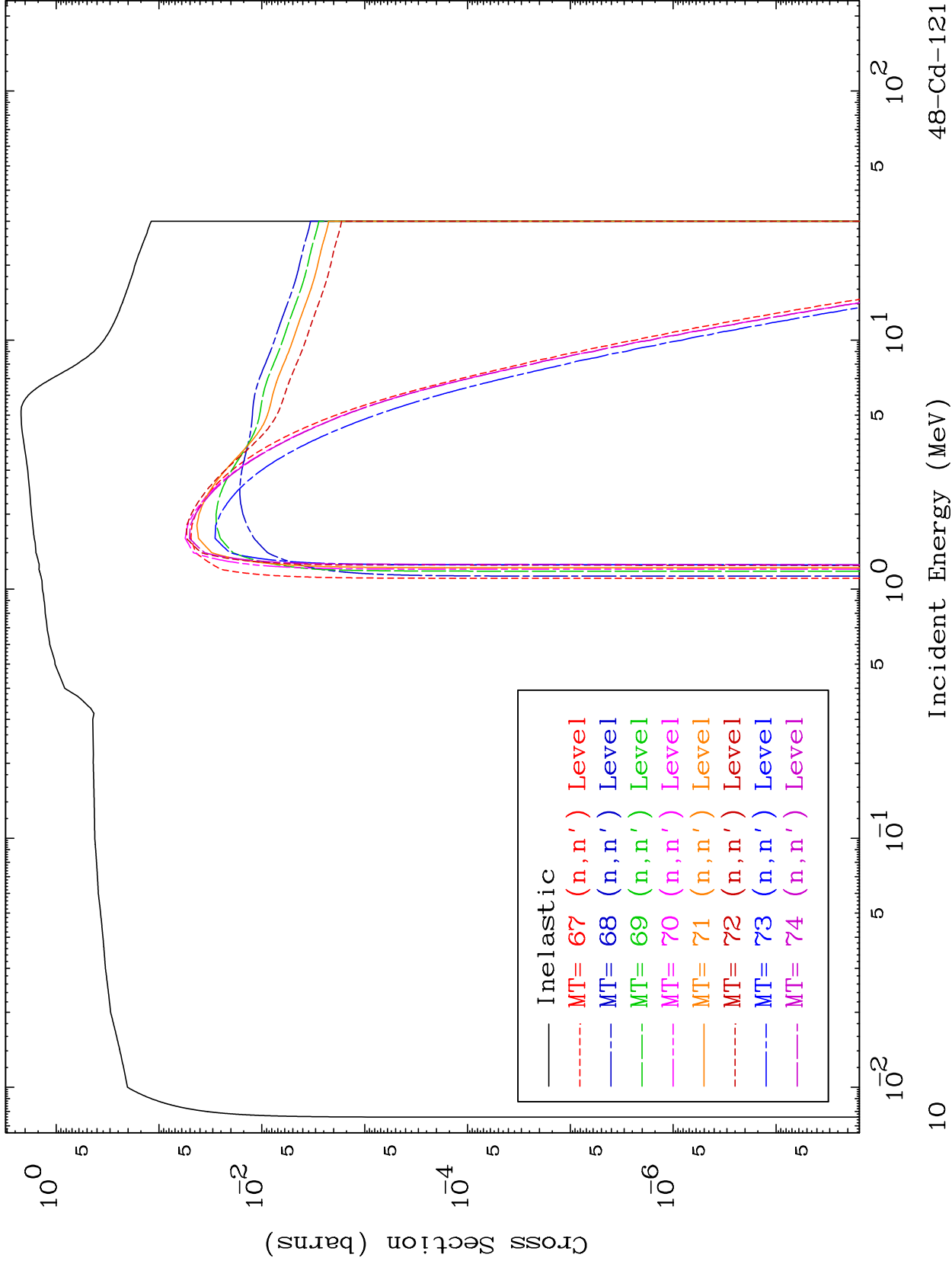
48-Cd-121



MAT 4870

(n,n') Levels  
293 Kelvin Cross Sections

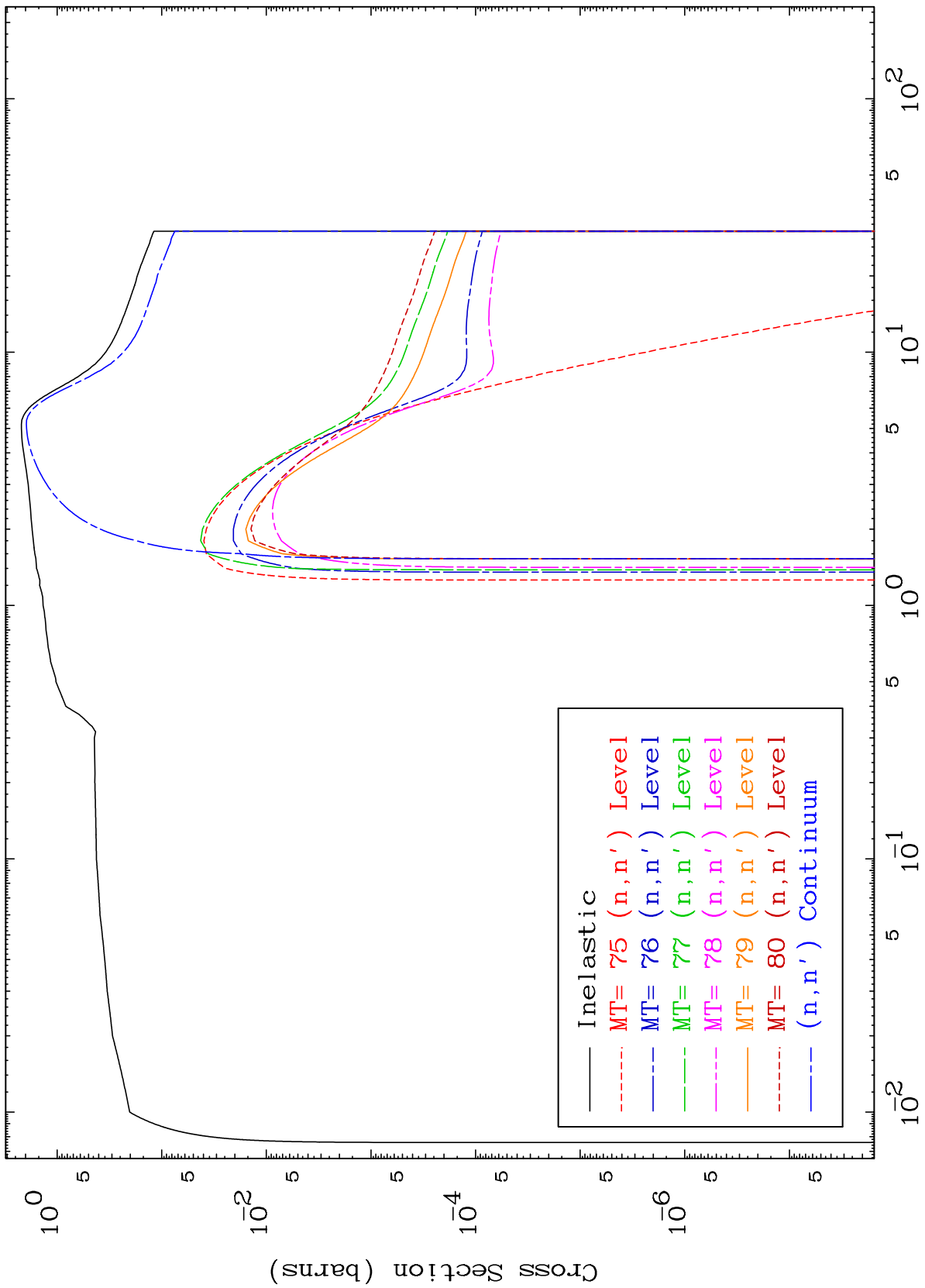
48-Cd-121



MAT 4870

48-Cd-121

(n,n') Levels  
293 Kelvin Cross Sections



11

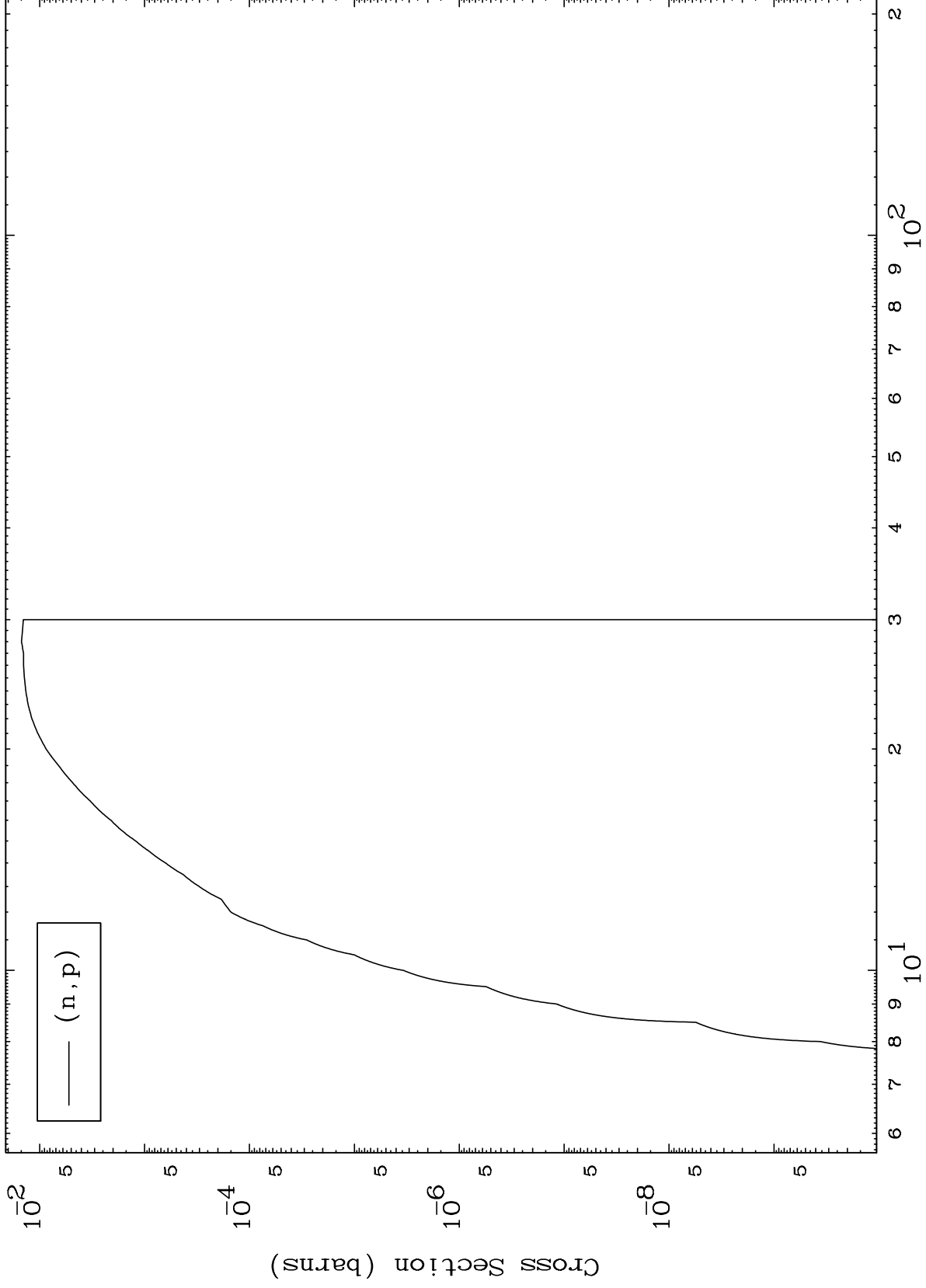
Incident Energy (MeV)

48-Cd-121

MAT 4870

(n,p) Levels  
293 Kelvin Cross Sections

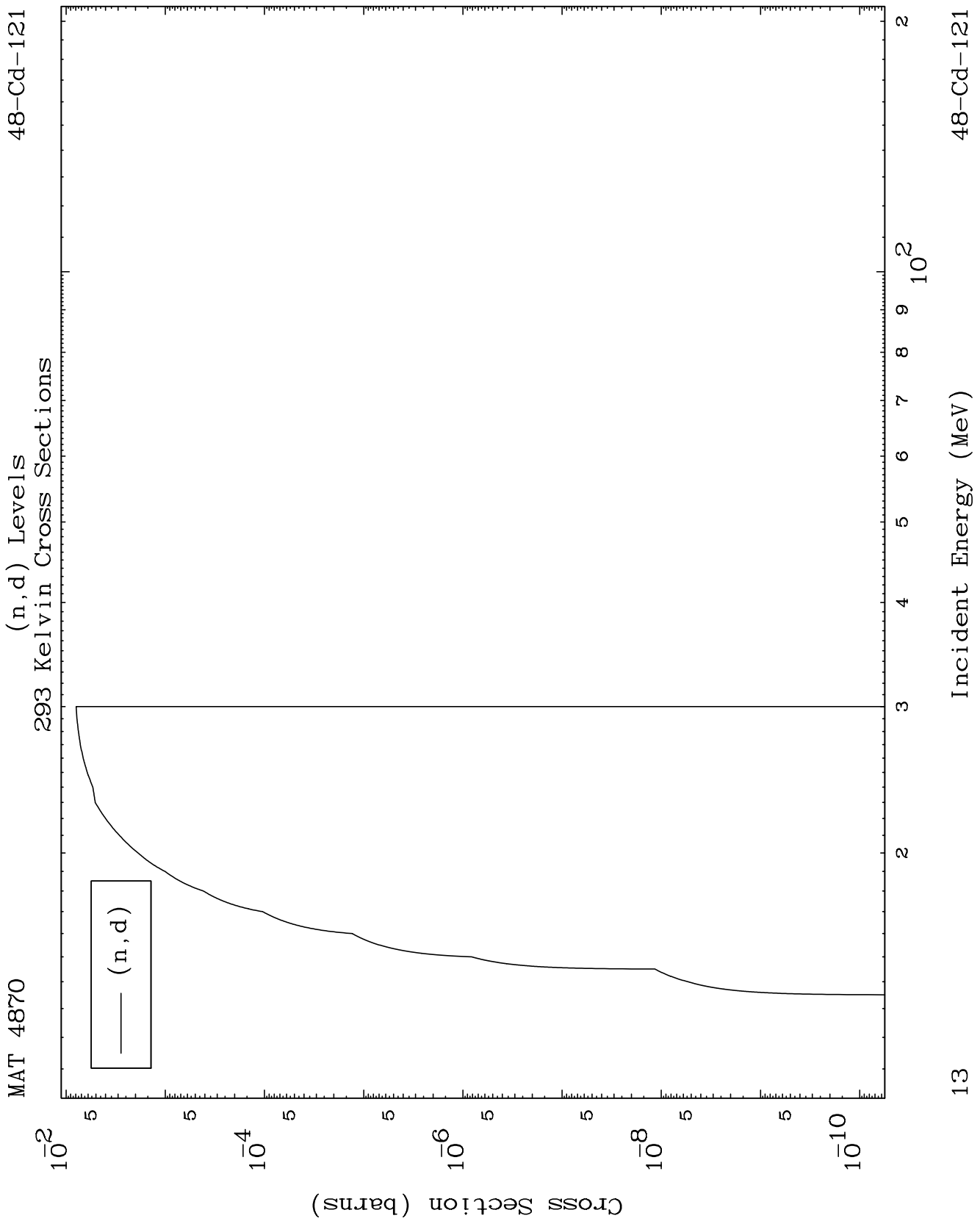
48-Cd-121



12

Incident Energy (MeV)

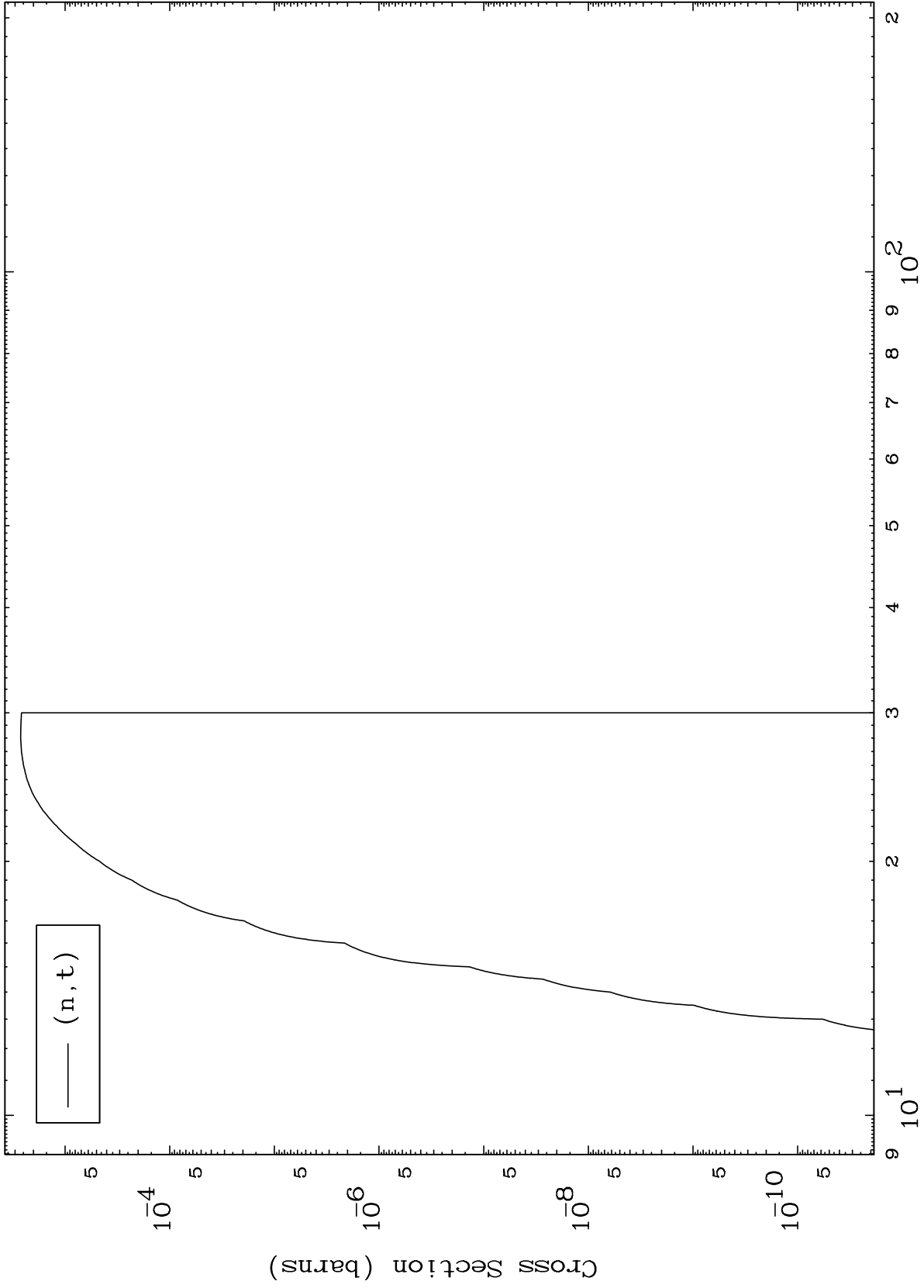
48-Cd-121



MAT 4870

(n,t) Levels  
293 Kelvin Cross Sections

48-Cd-121



14

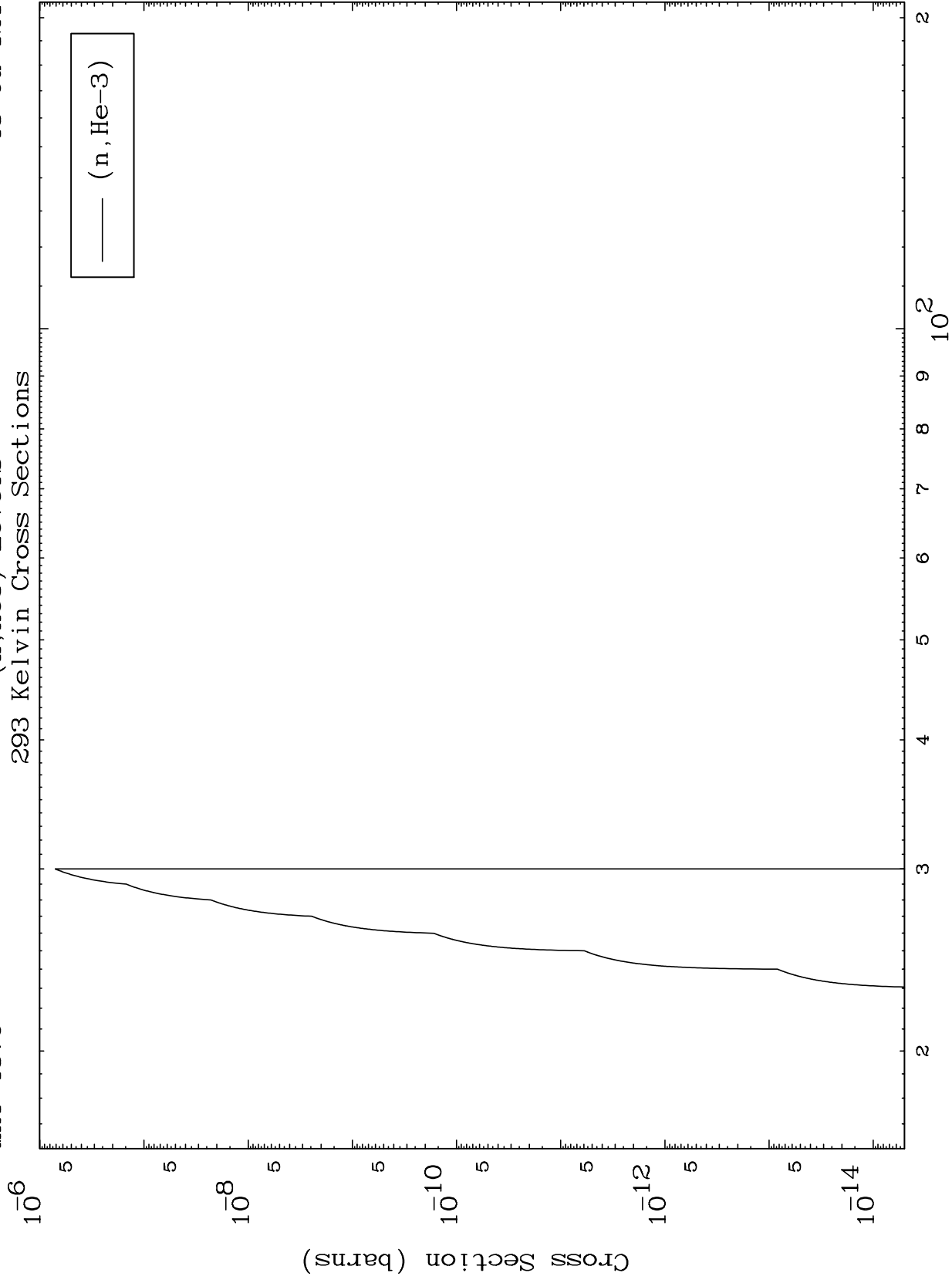
Incident Energy (MeV)

48-Cd-121

MAT 4870

(n,He3) Levels  
293 Kelvin Cross Sections

48-Cd-121



15

Incident Energy (MeV)

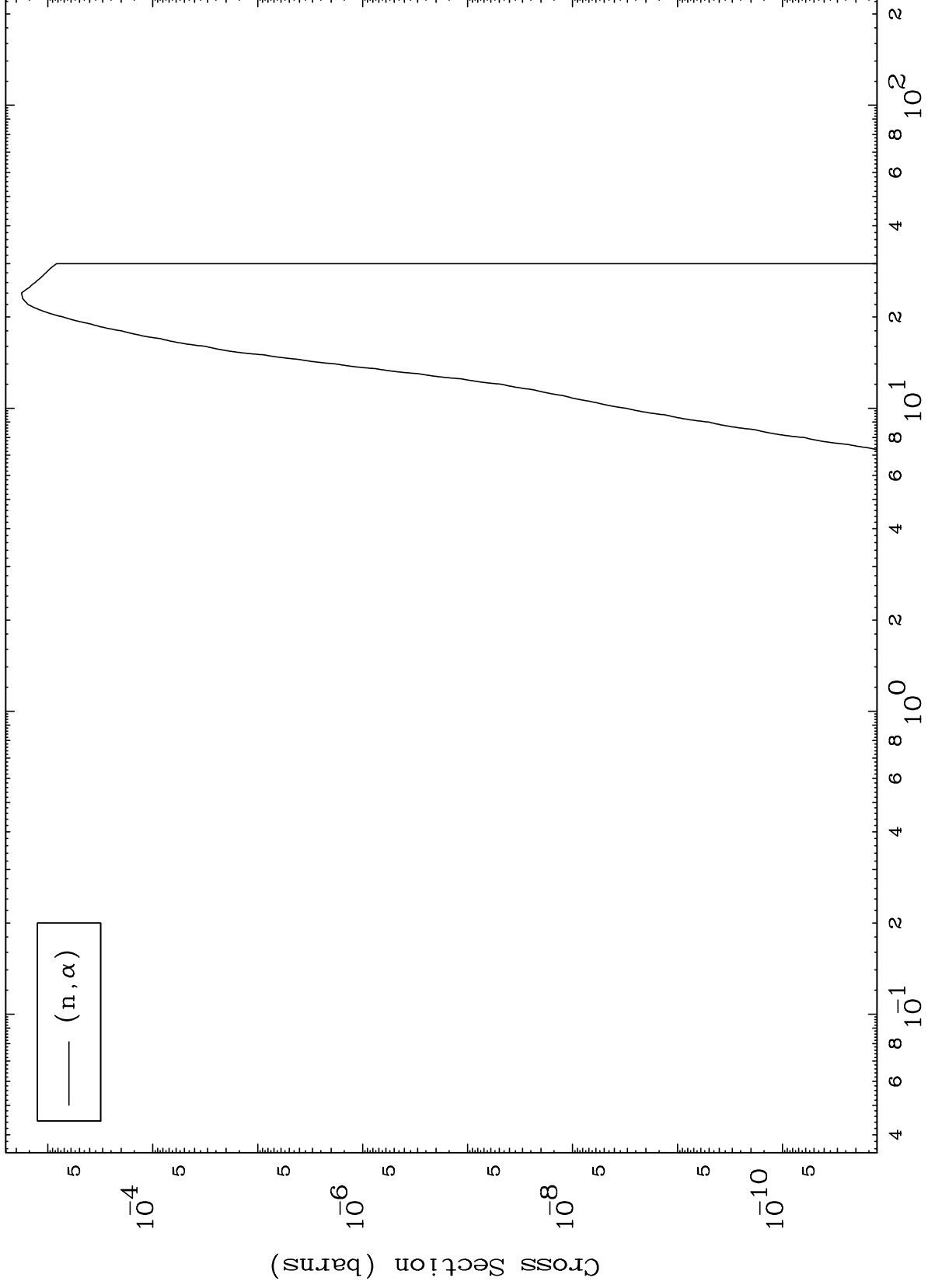
48-Cd-121



MAT 4870

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

48-Cd-121



16

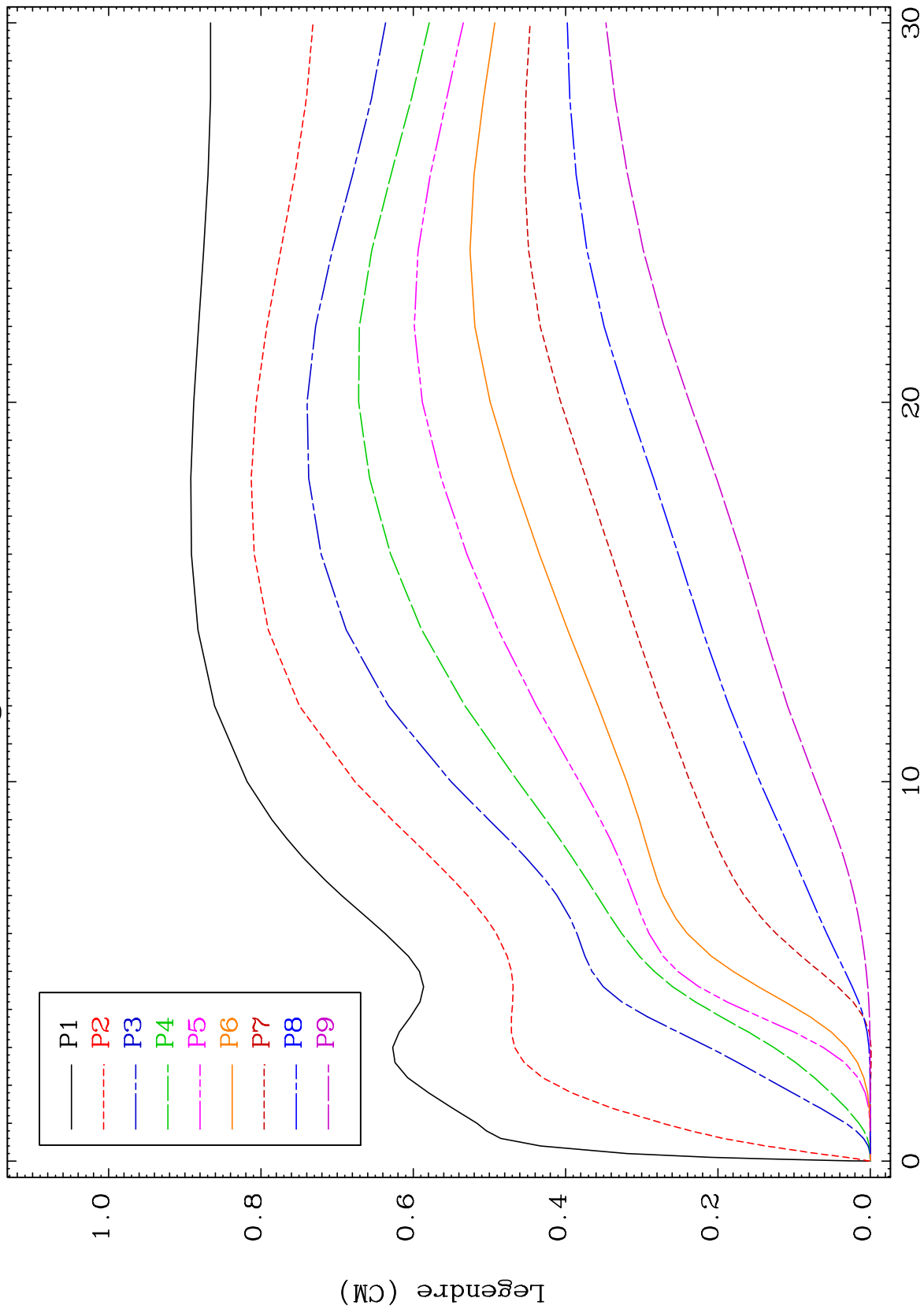
Incident Energy (MeV)

48-Cd-121

MAT 4870

Elastic Legendre Coefficients

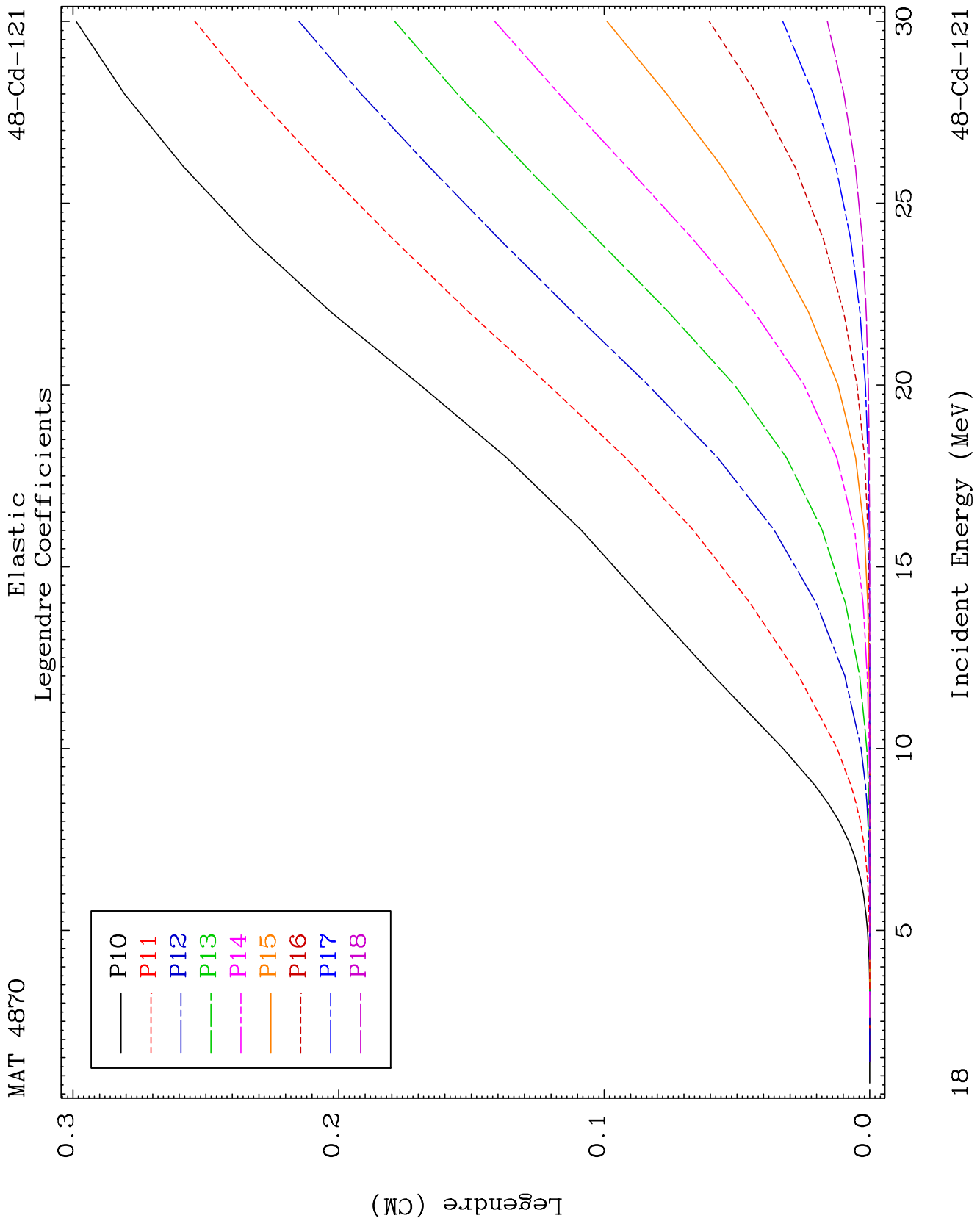
48-Cd-121



17

Incident Energy (MeV)

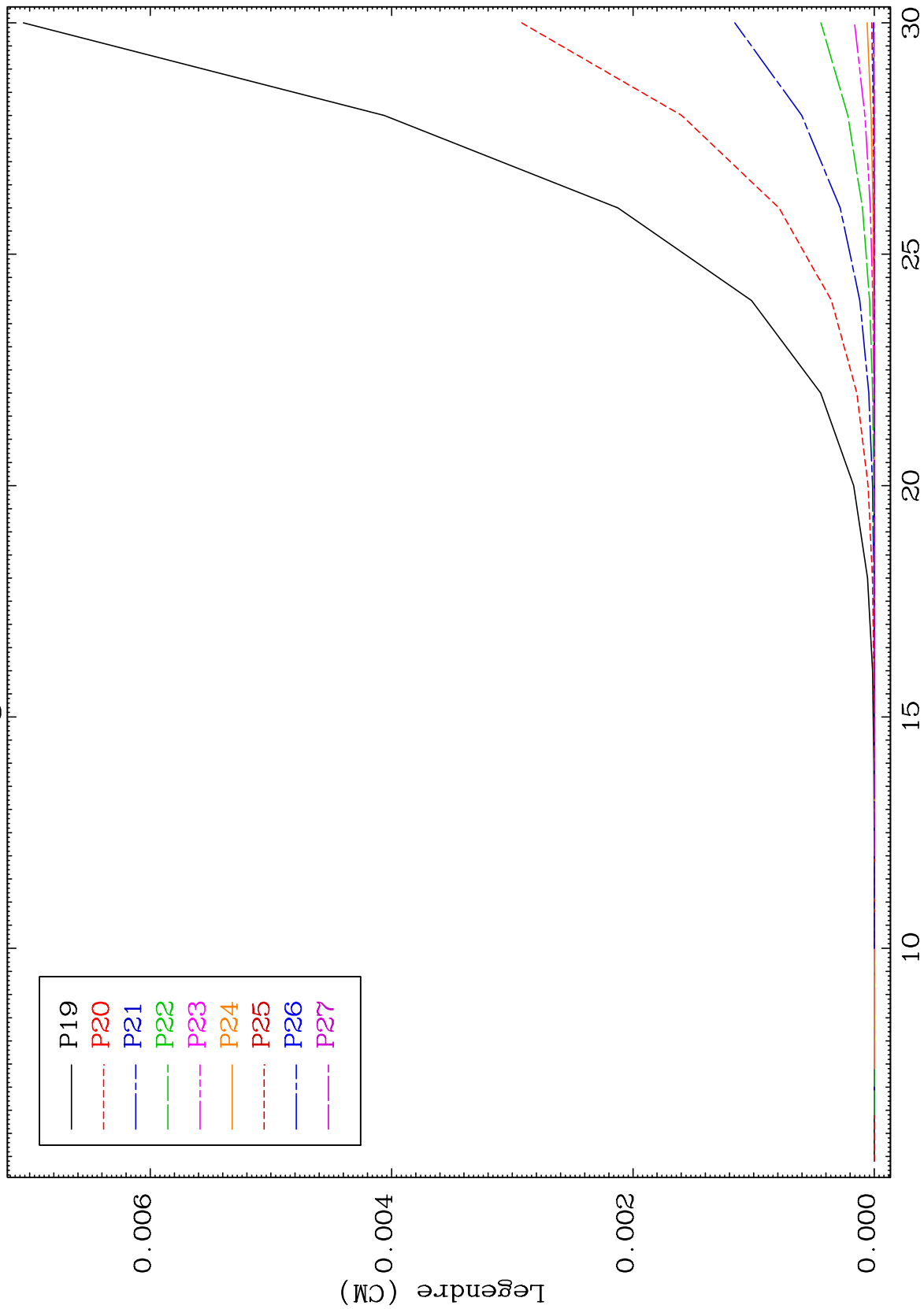
48-Cd-121



MAT 4870

Elastic Legendre Coefficients

48-Cd-121



19

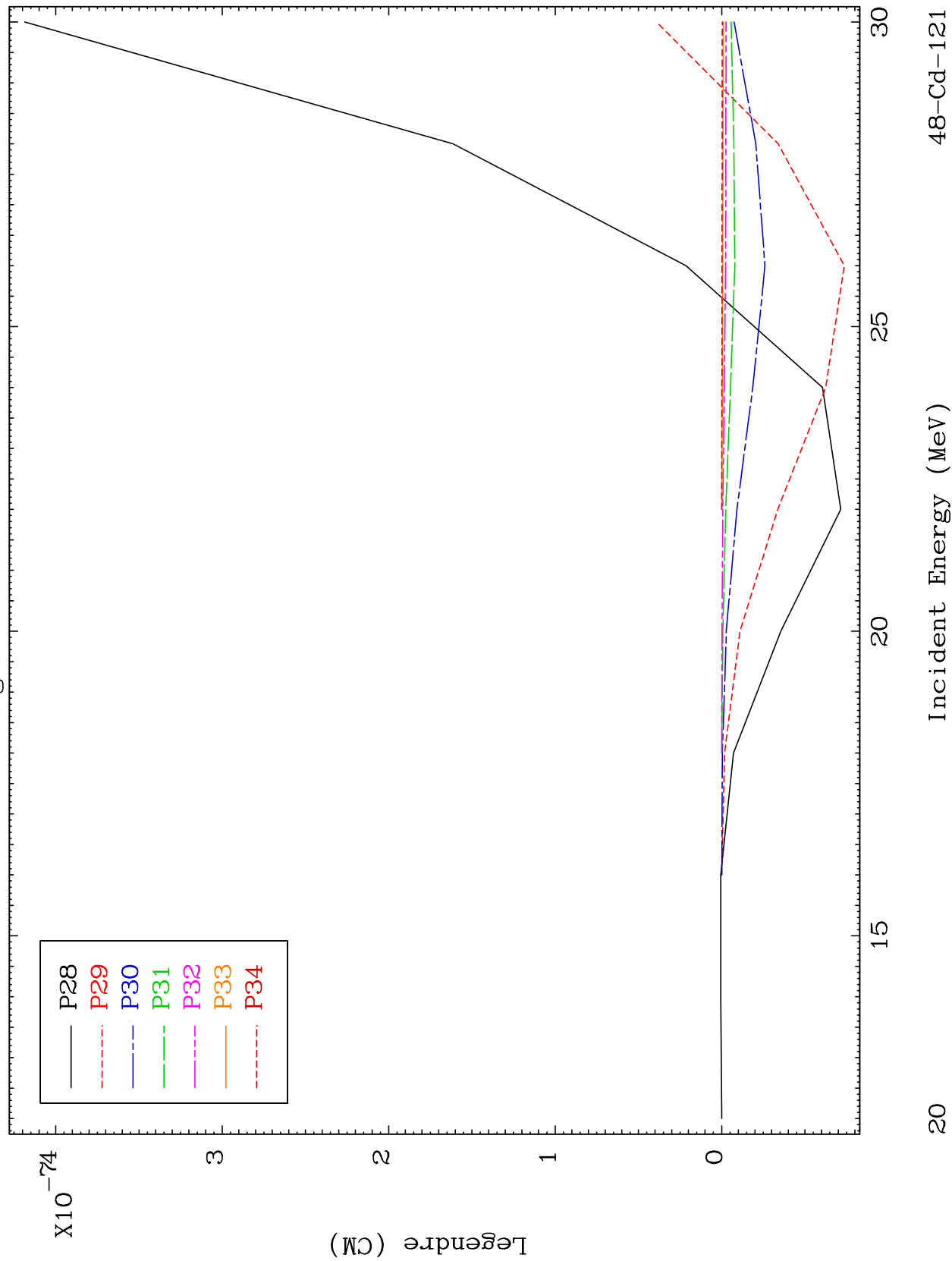
Incident Energy (MeV)

48-Cd-121

MAT 4870

Elastic Legendre Coefficients

48-Cd-121



- P28
- P29
- P30
- P31
- P32
- P33
- P34

$\times 10^{-74}$

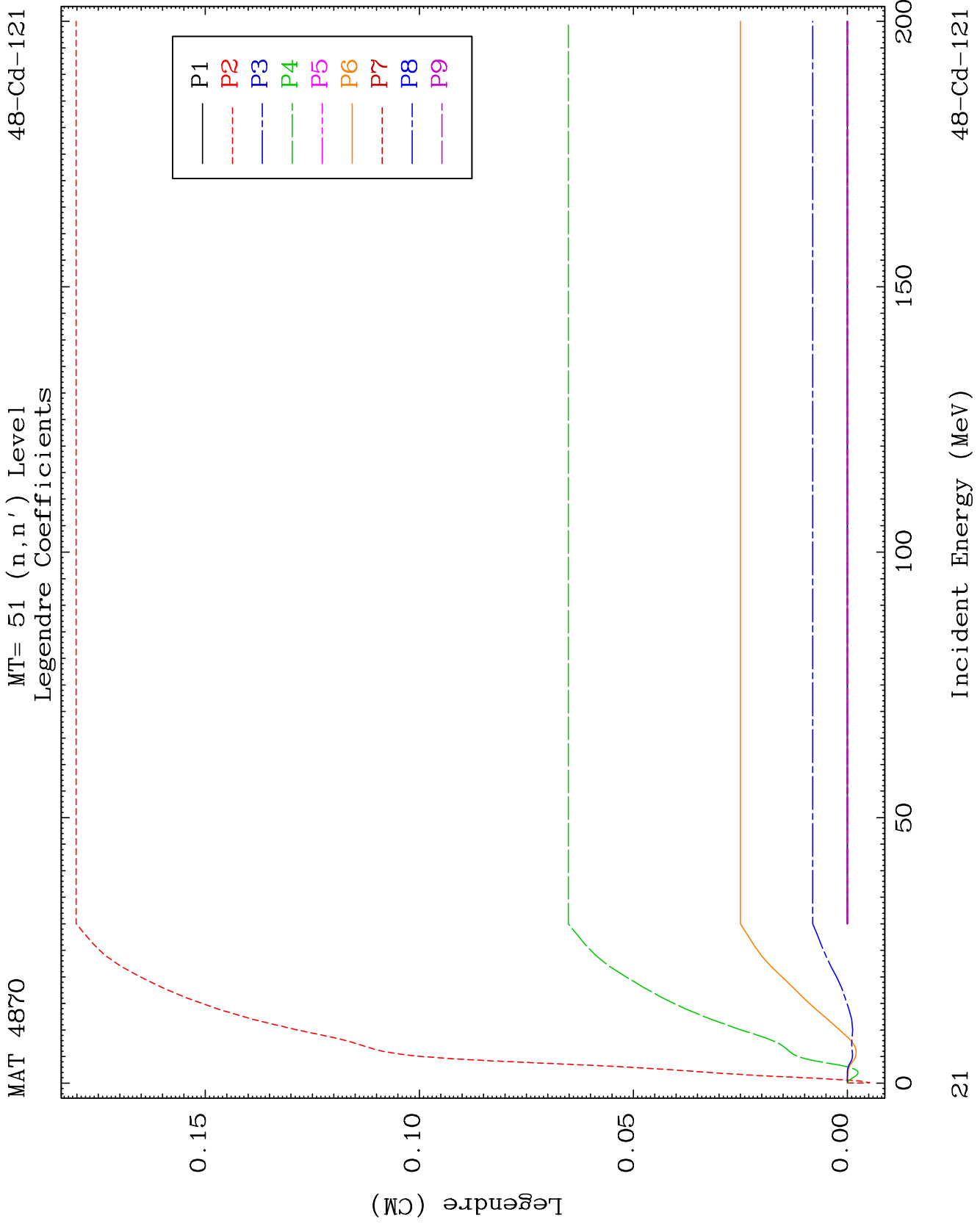
Legendre (CM)

20

Incident Energy (MeV)

48-Cd-121

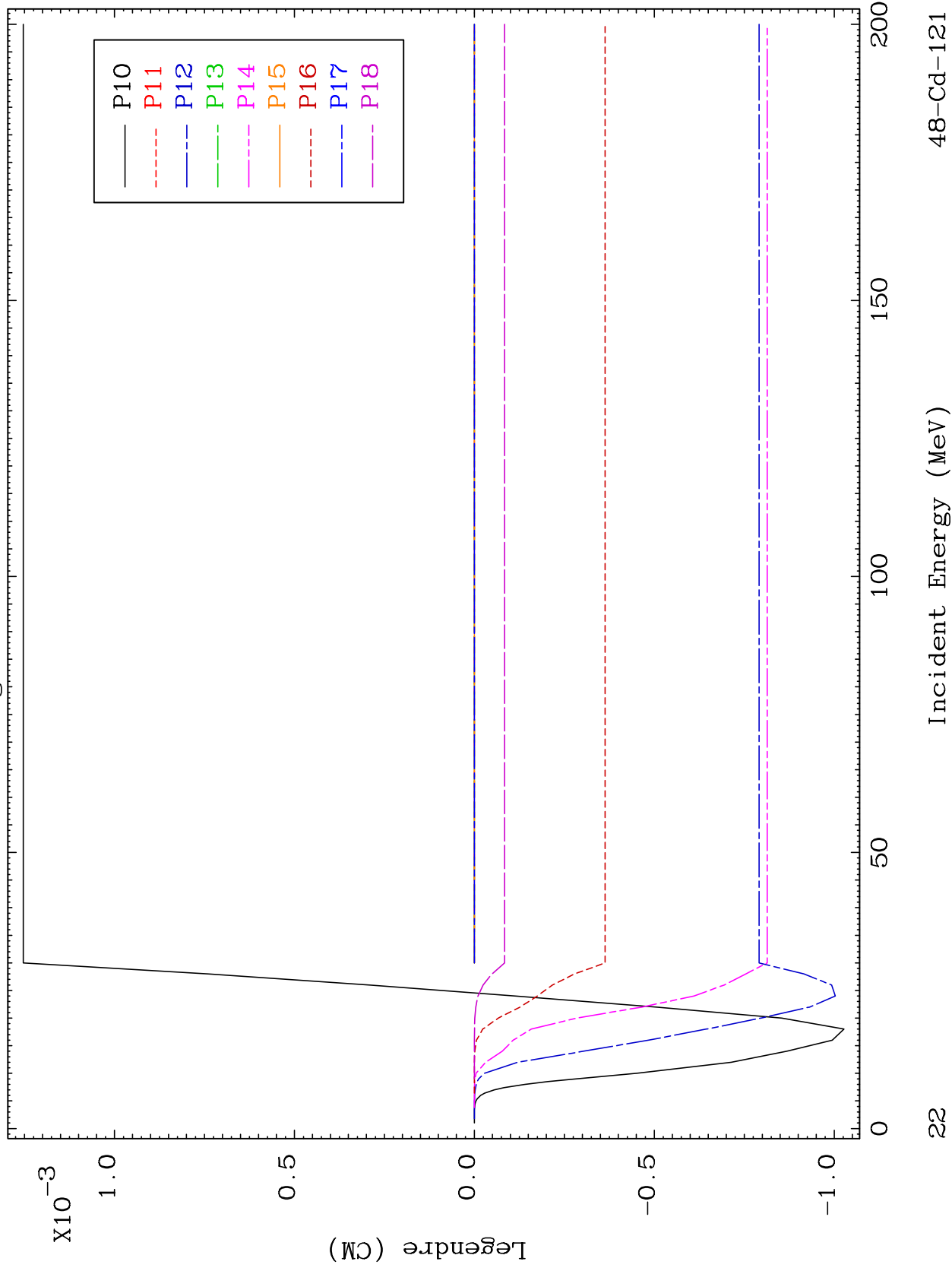
30



MAT 4870

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

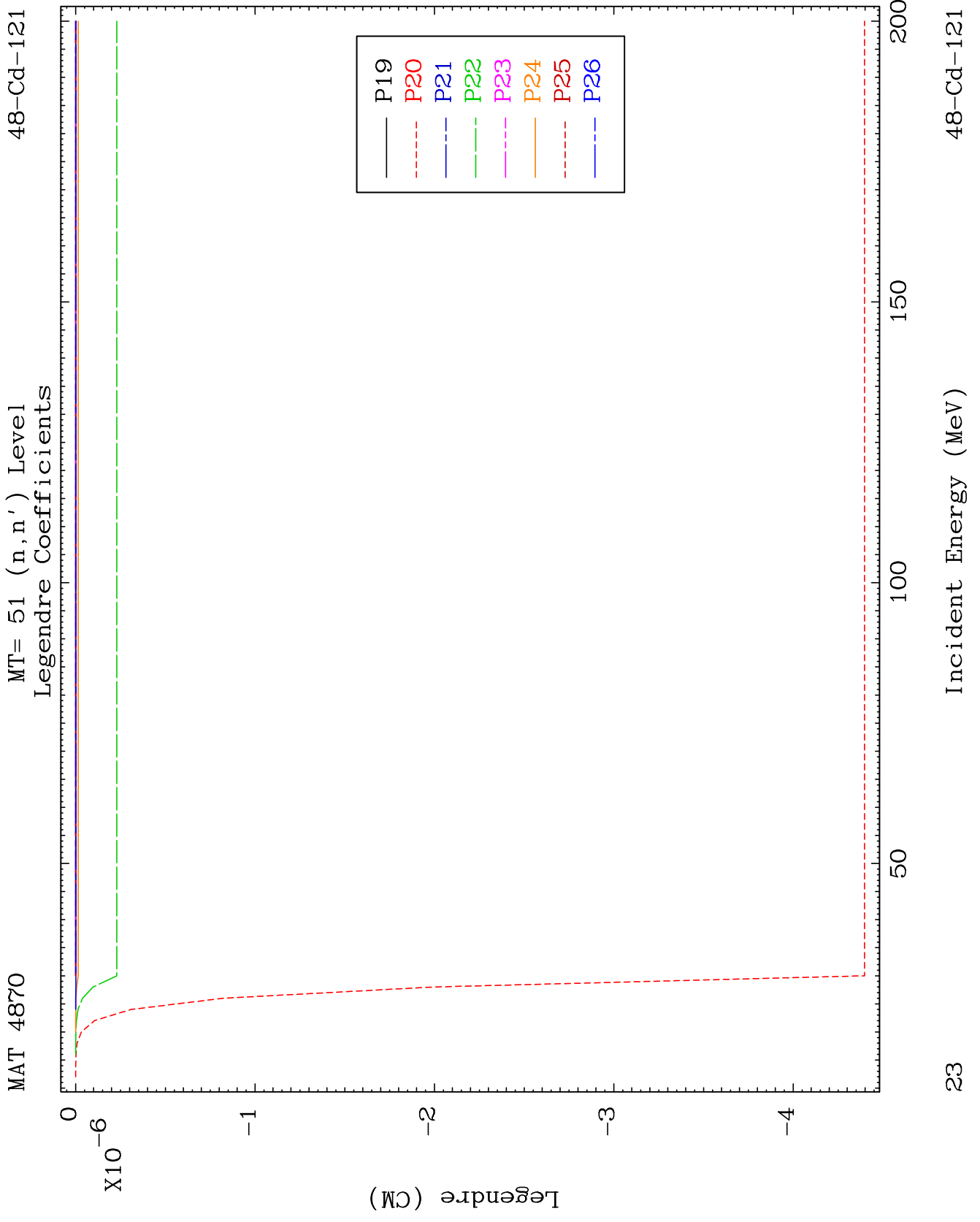
48-Cd-121



22

Incident Energy (MeV)

48-Cd-121



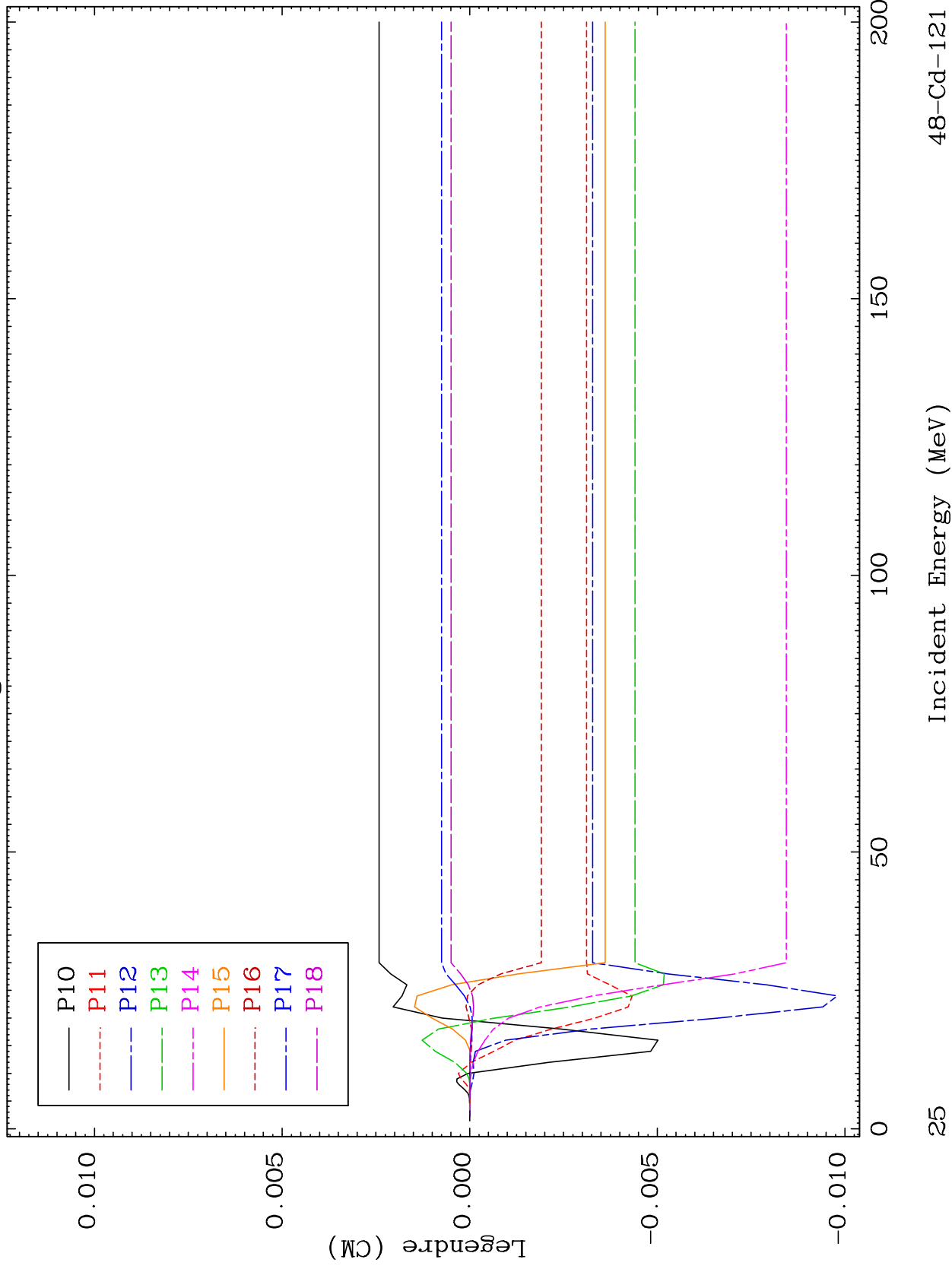




MAT 4870

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

48-Cd-121



48-Cd-121

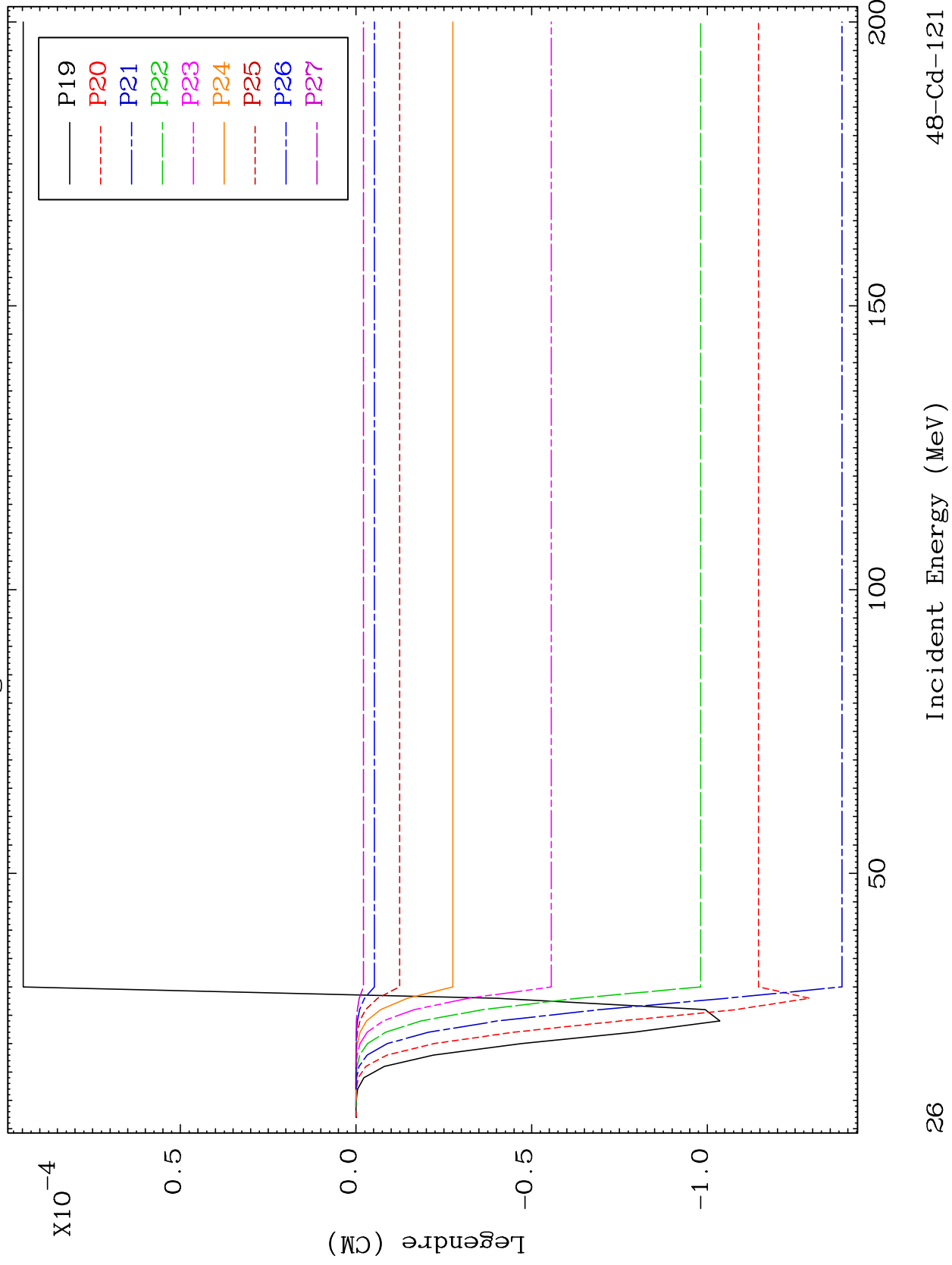
Incident Energy (MeV)

25

MAT 4870

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

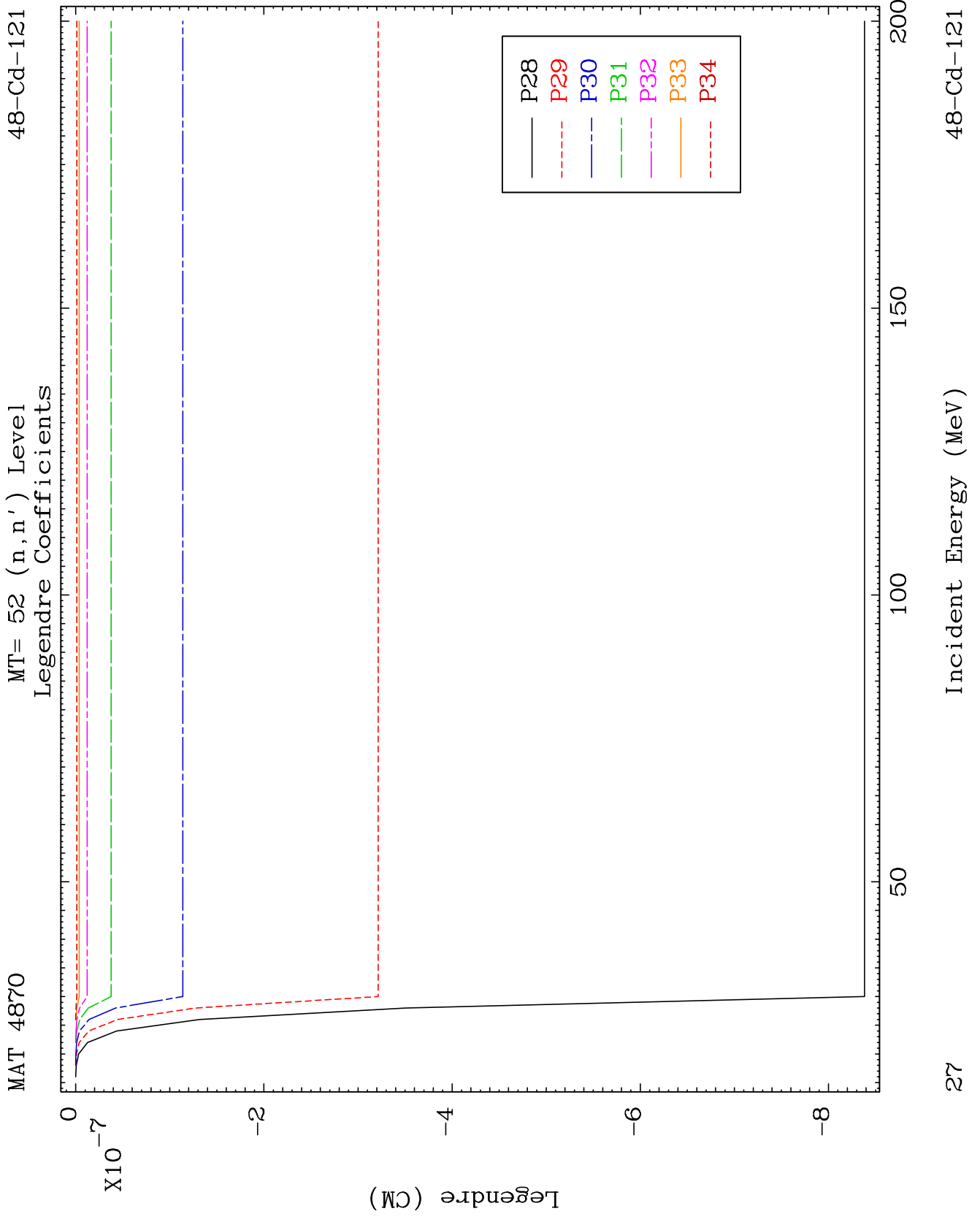
48-Cd-121

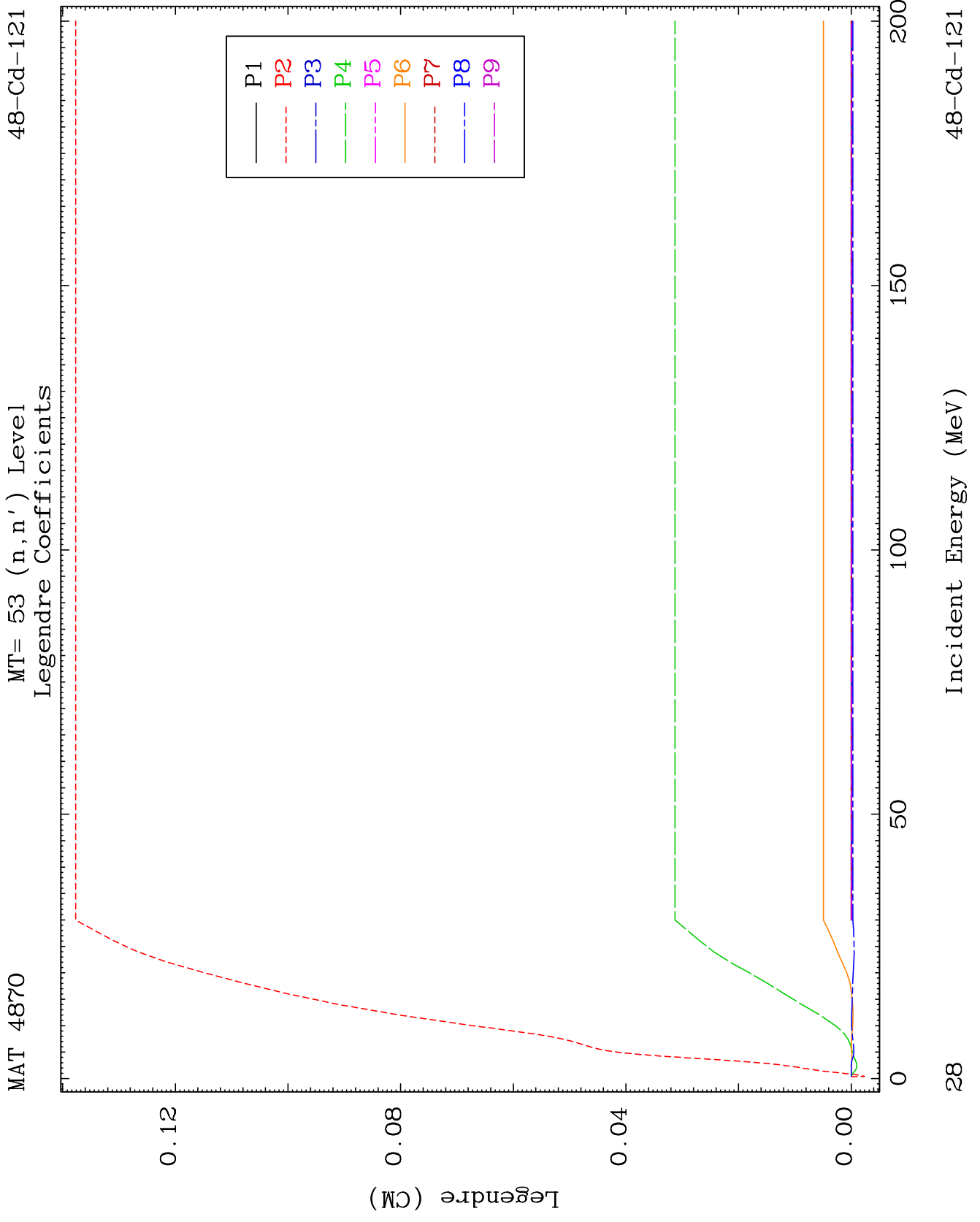


26

Incident Energy (MeV)

48-Cd-121



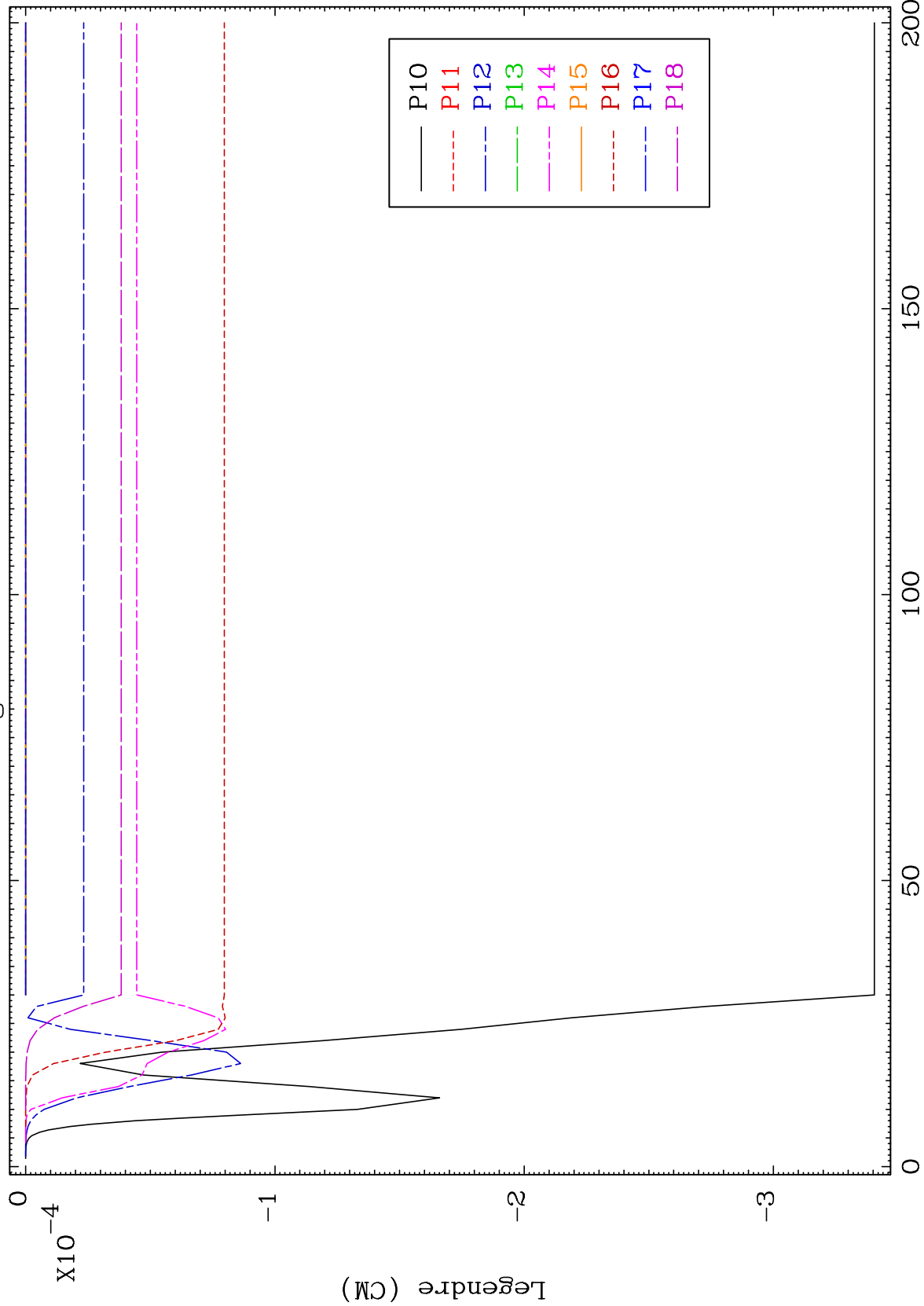


MAT 4870

MT= 53 (n,n') Level

48-Cd-121

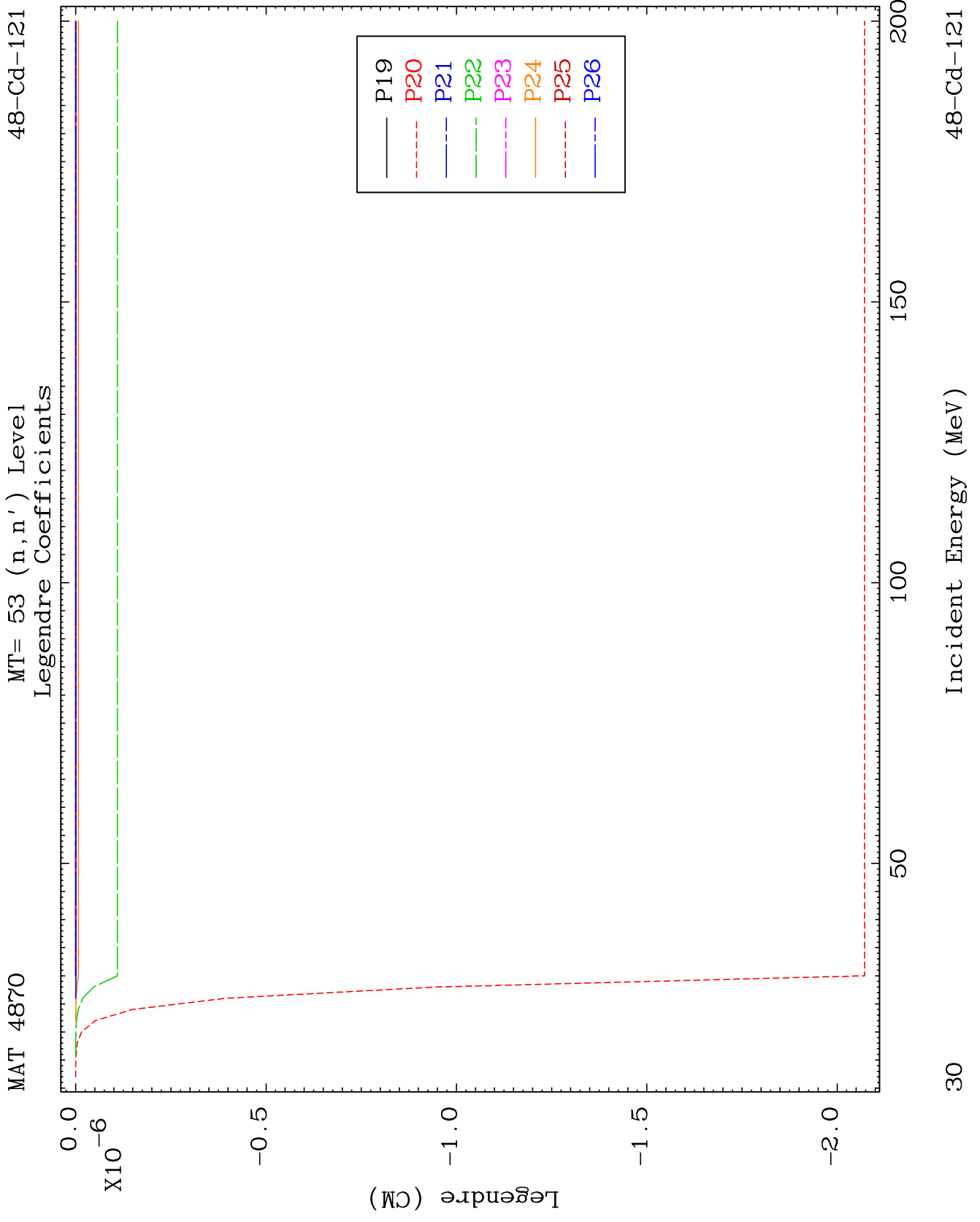
Legendre Coefficients

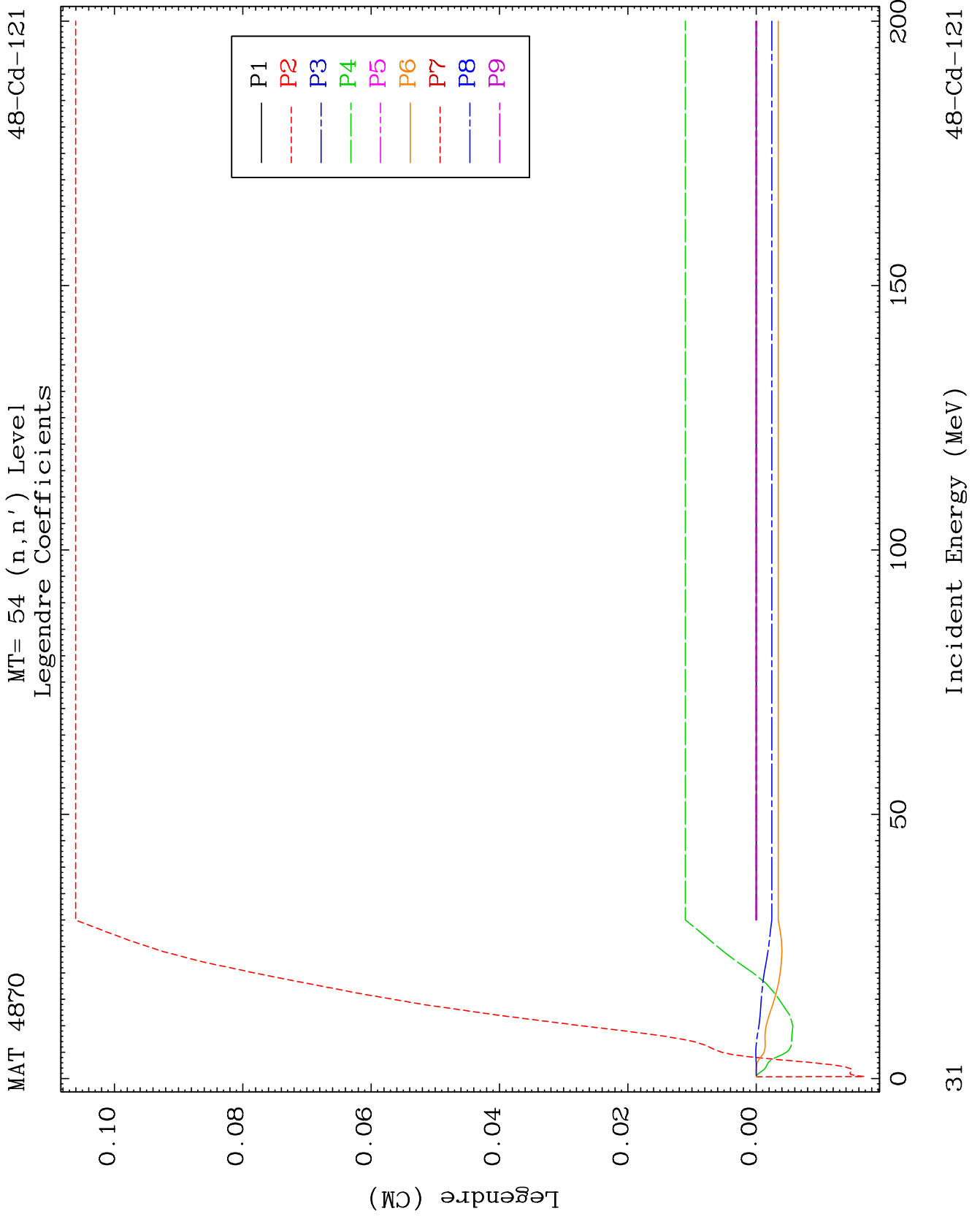


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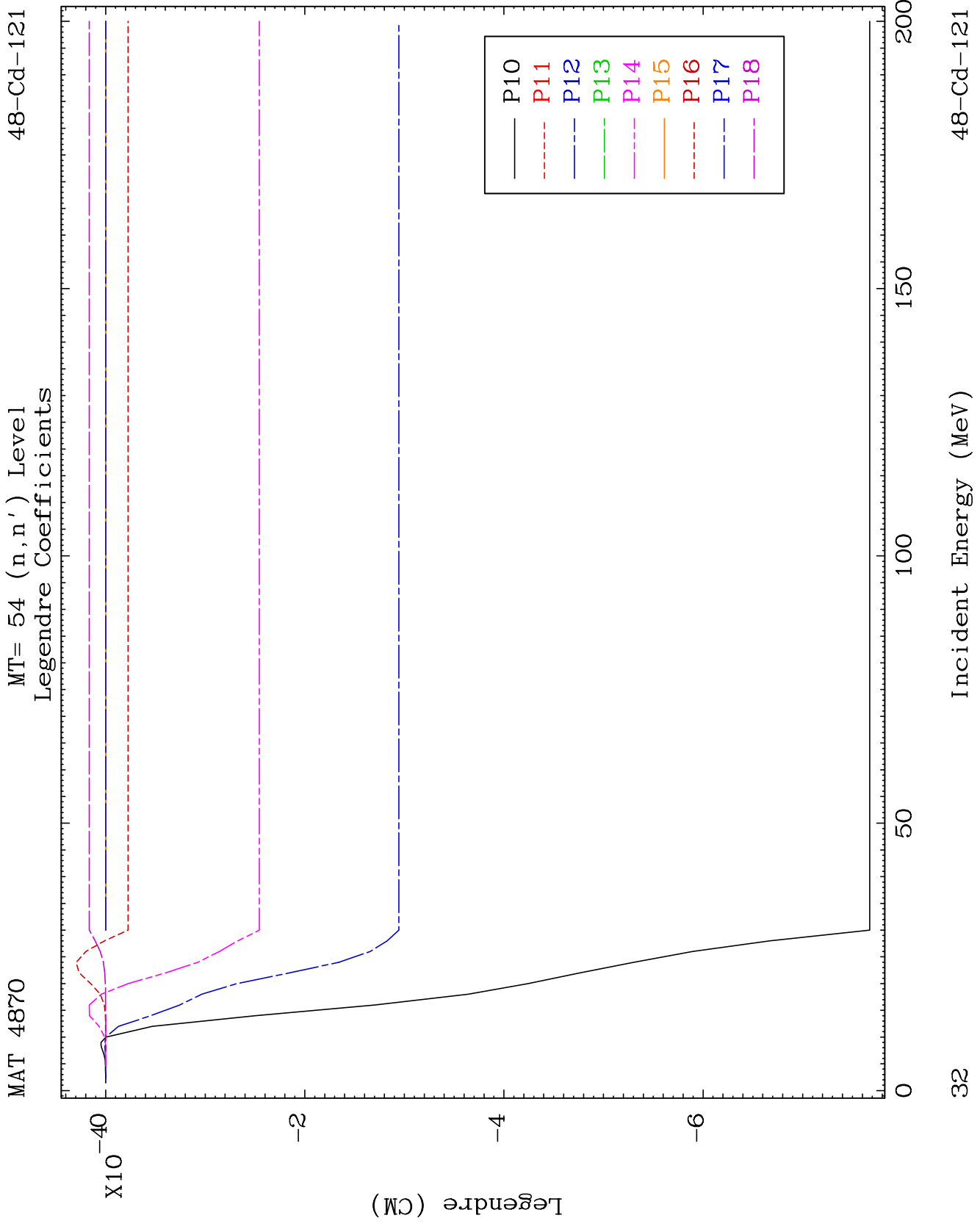
48-Cd-121

48-Cd-121





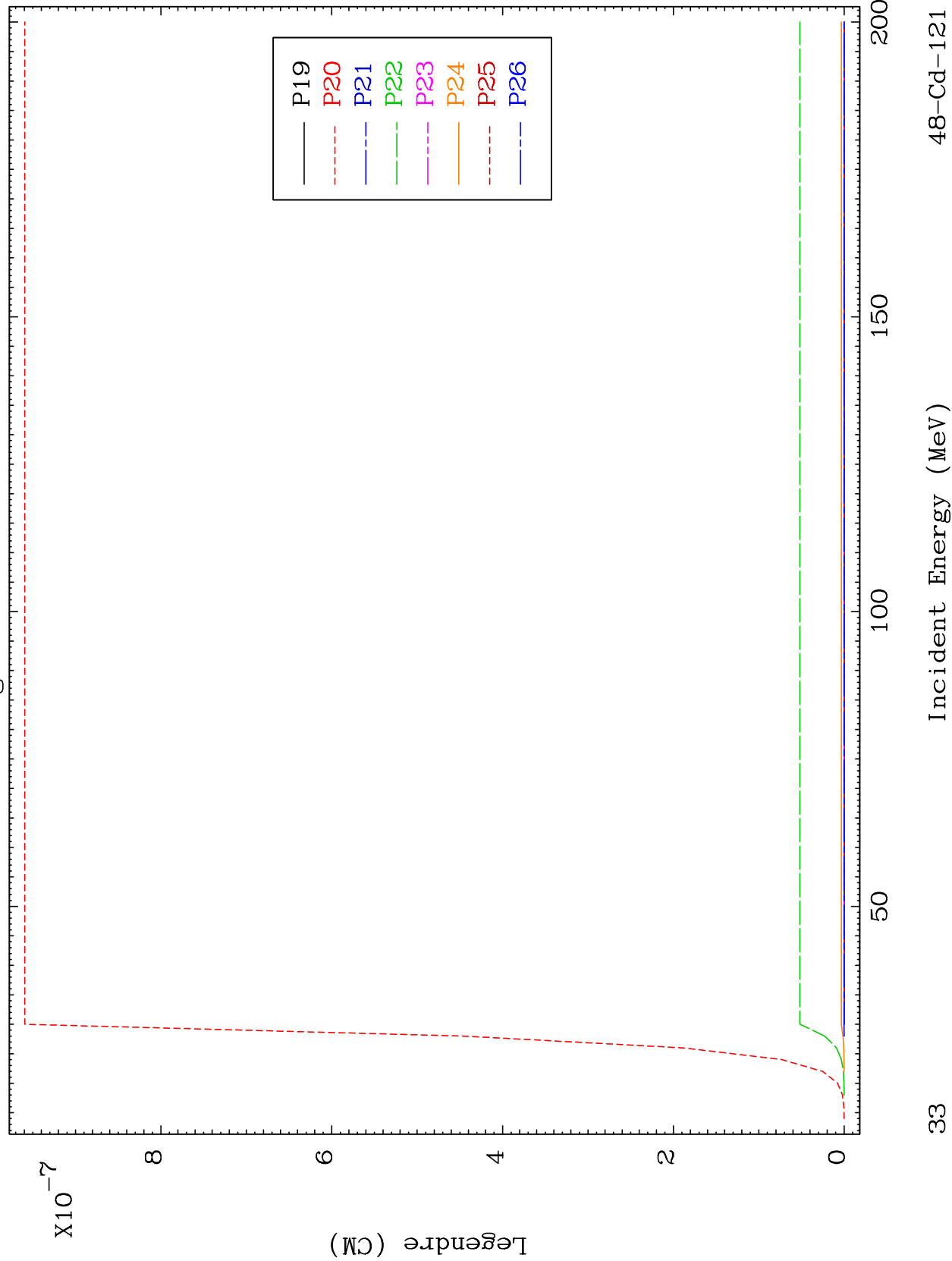




MAT 4870

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

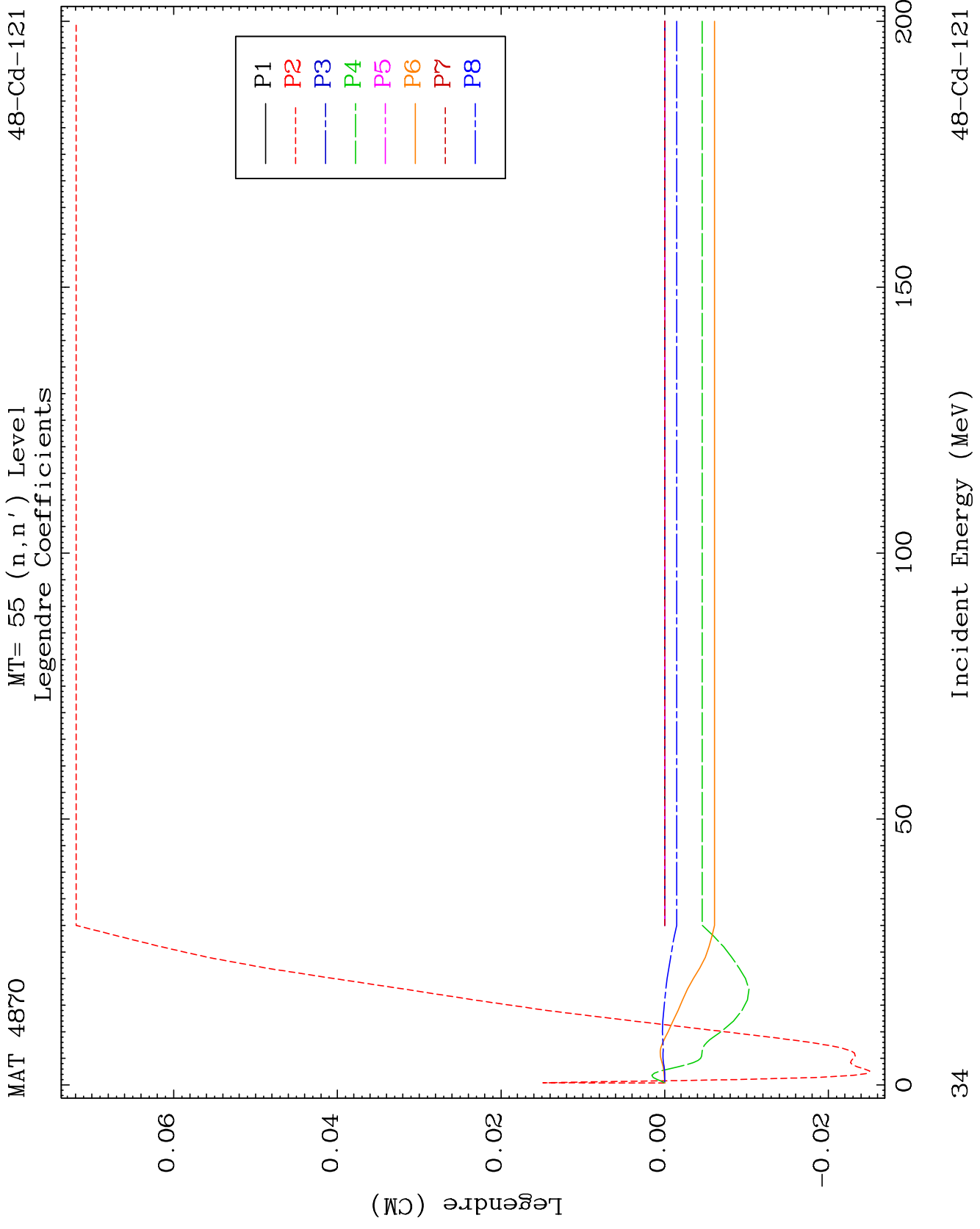
48-Cd-121

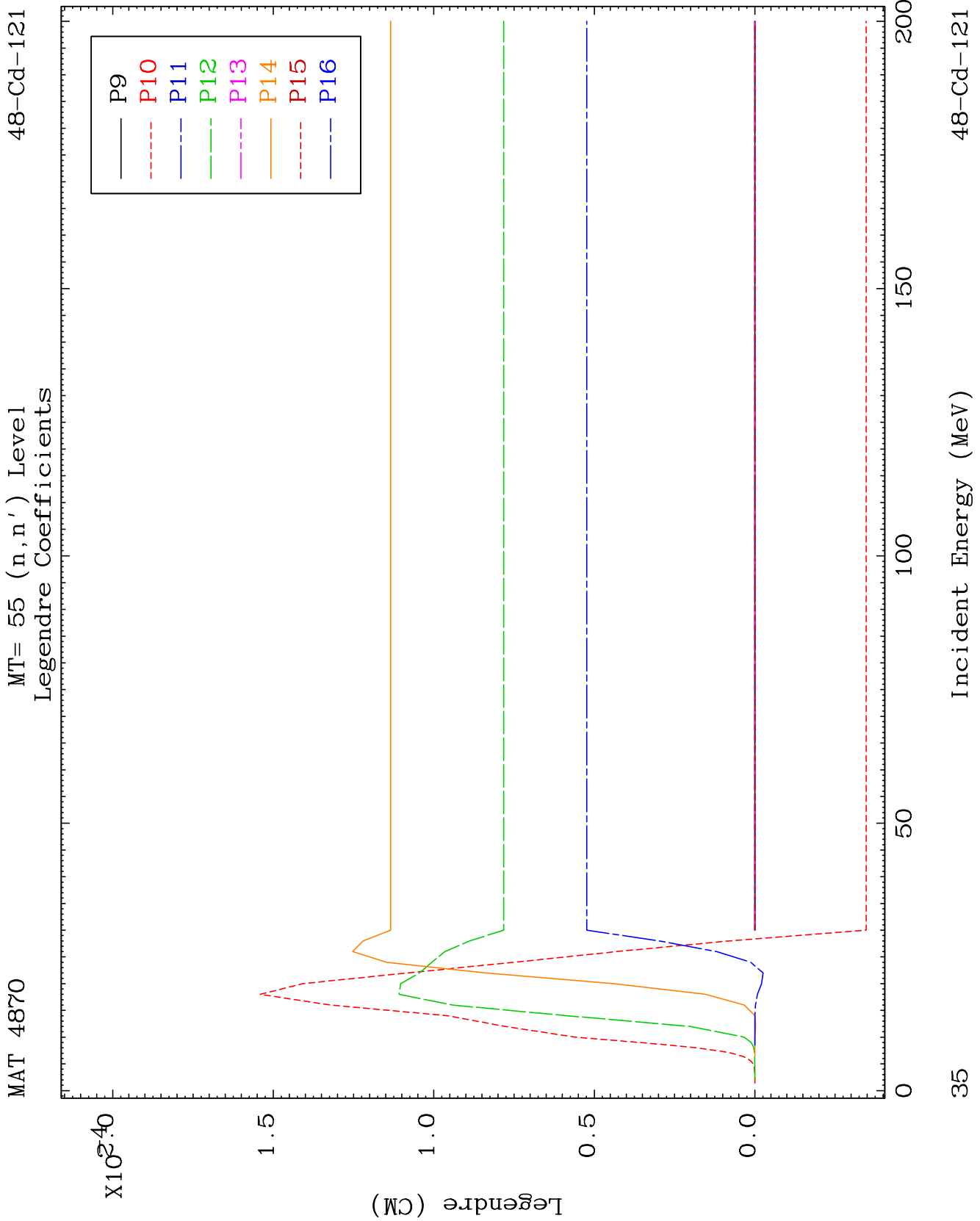


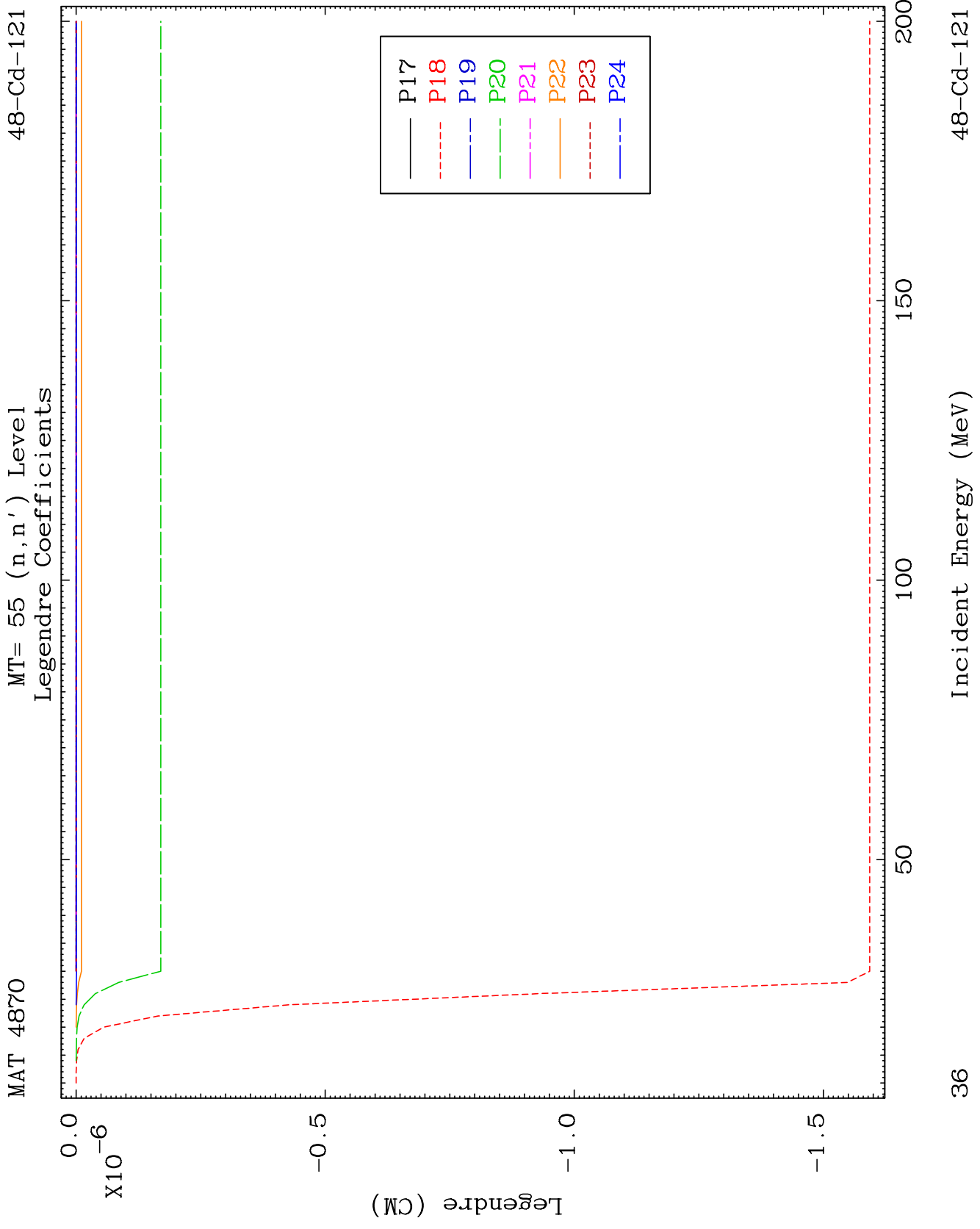
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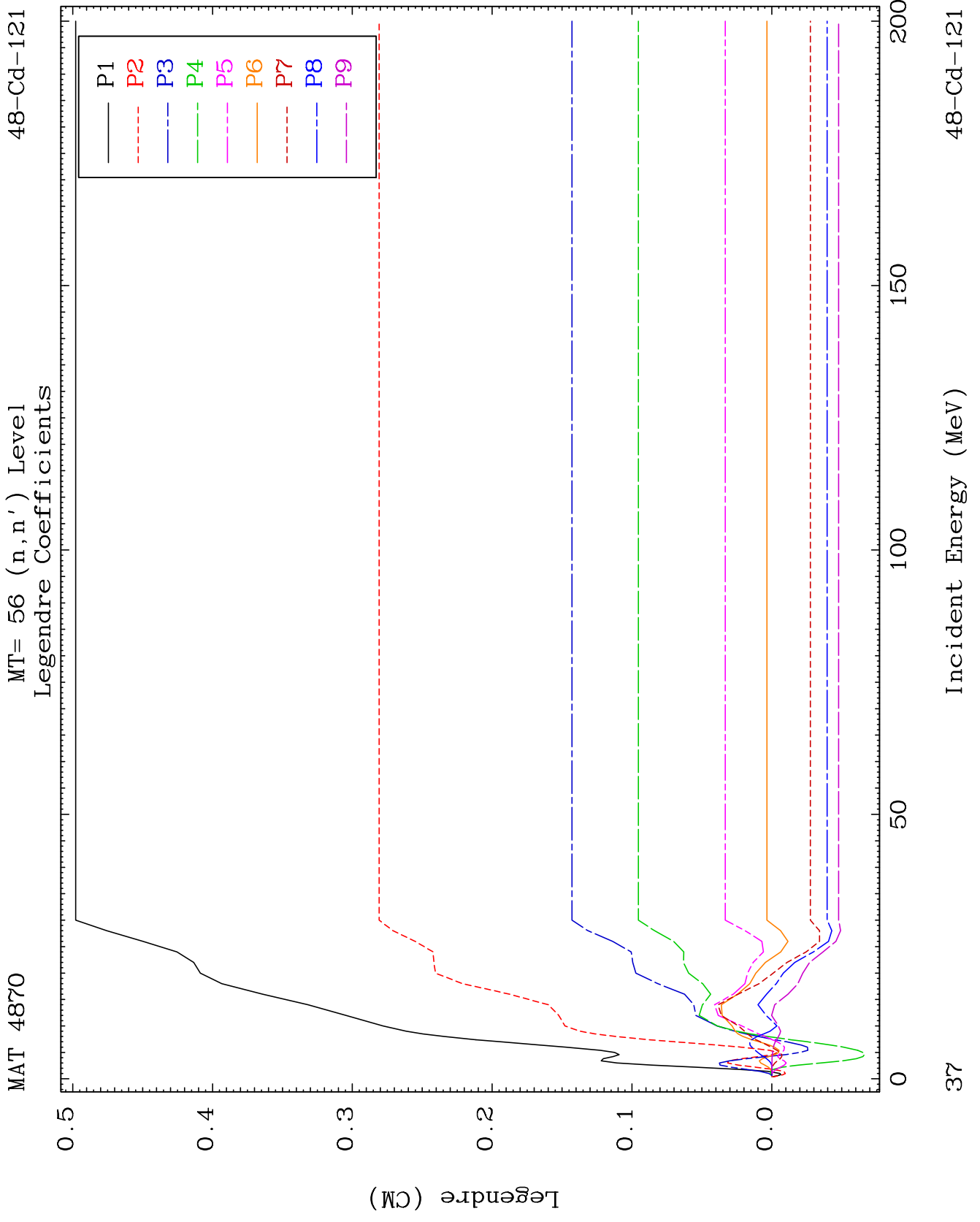
Incident Energy (MeV)

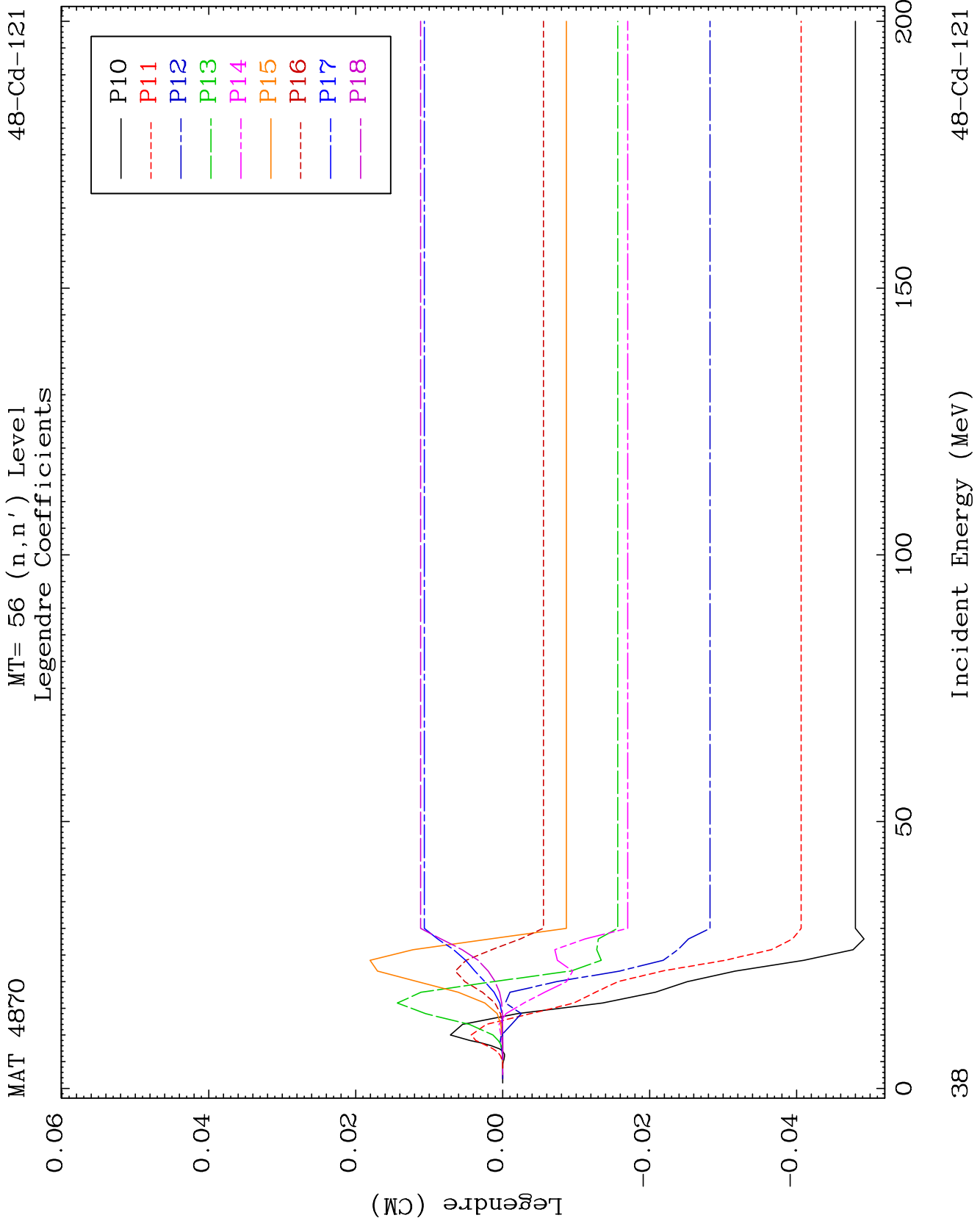
48-Cd-121







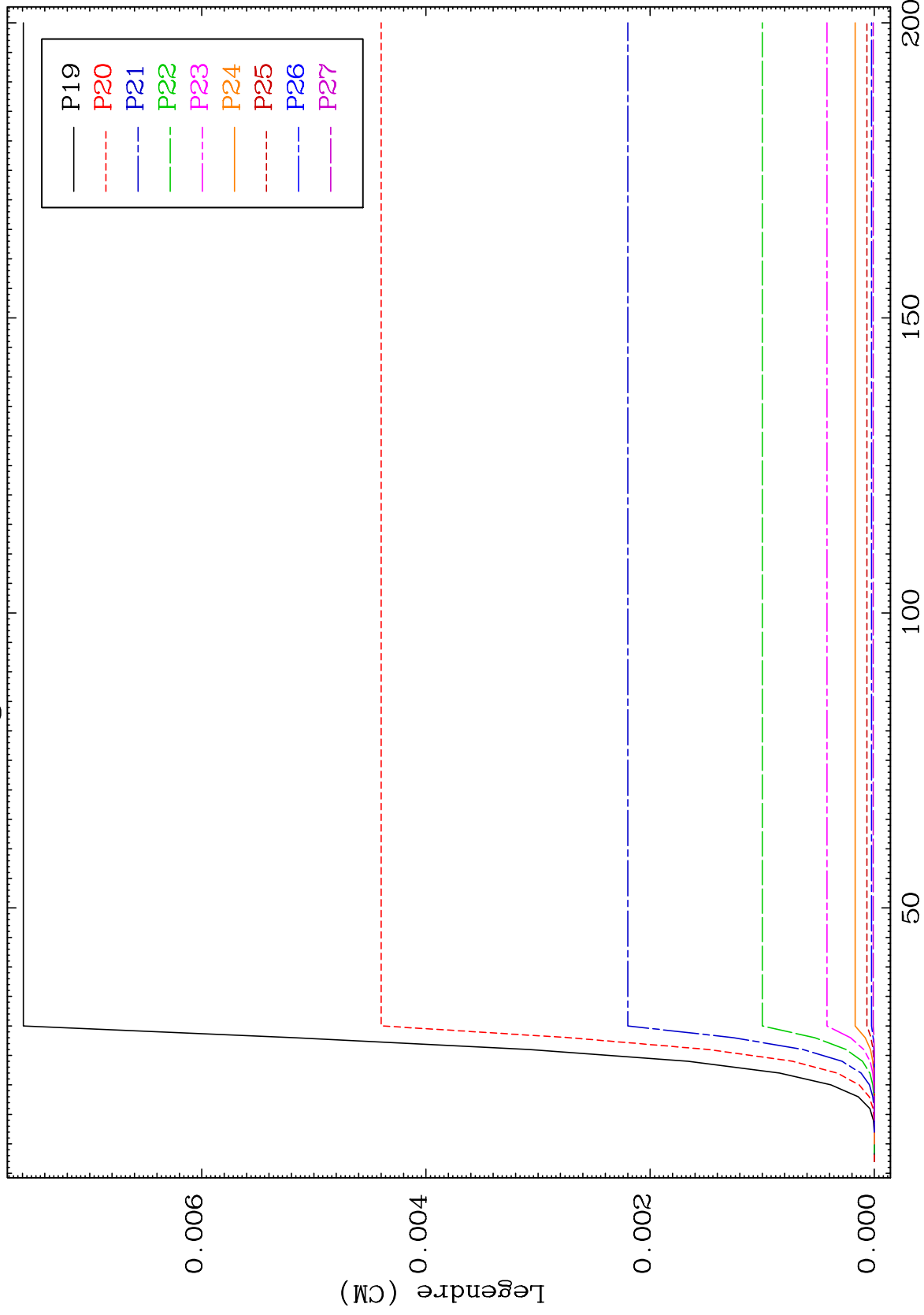




MAT 4870

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

48-Cd-121



39

Incident Energy (MeV)

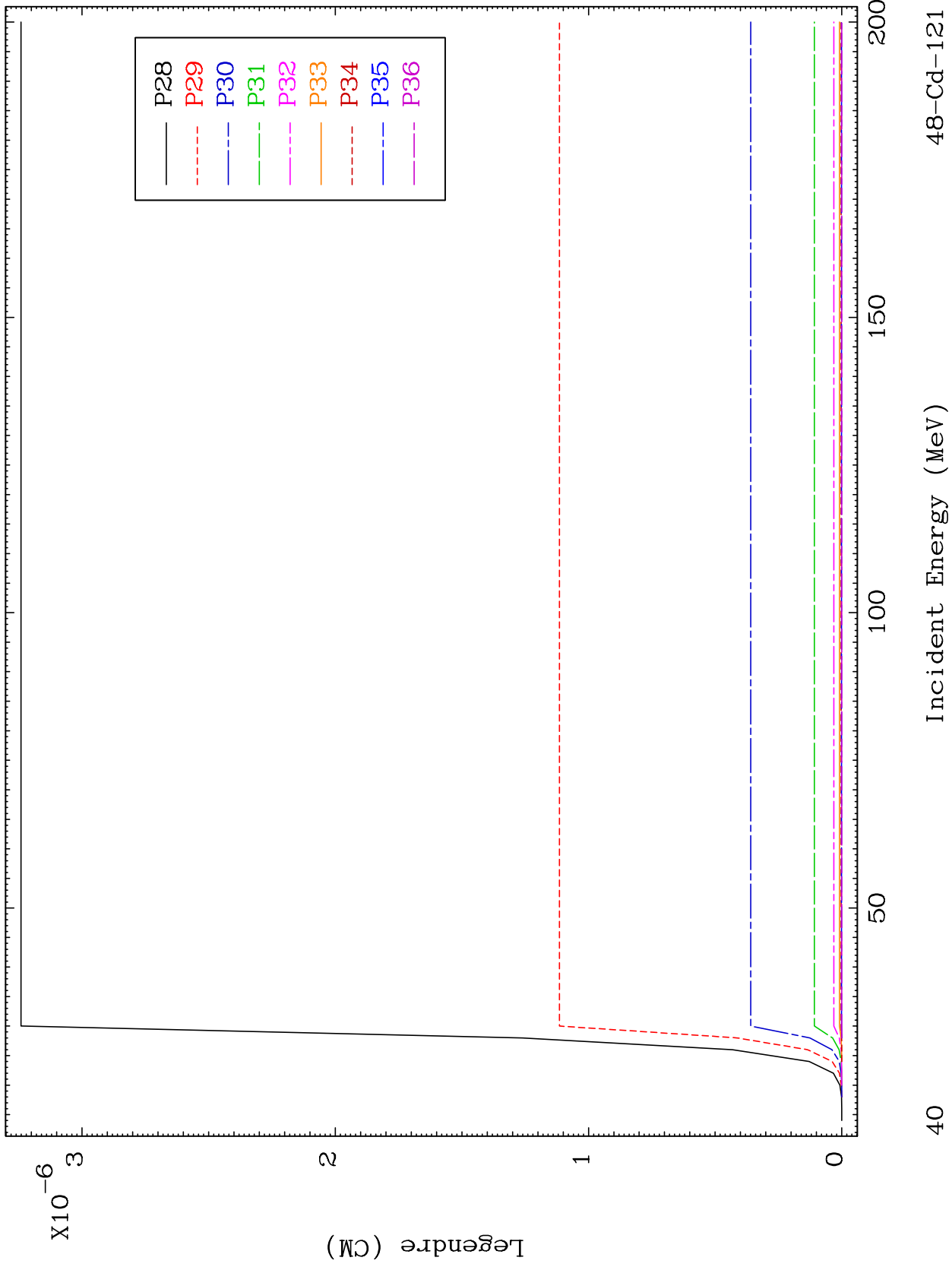
48-Cd-121



MAT 4870

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

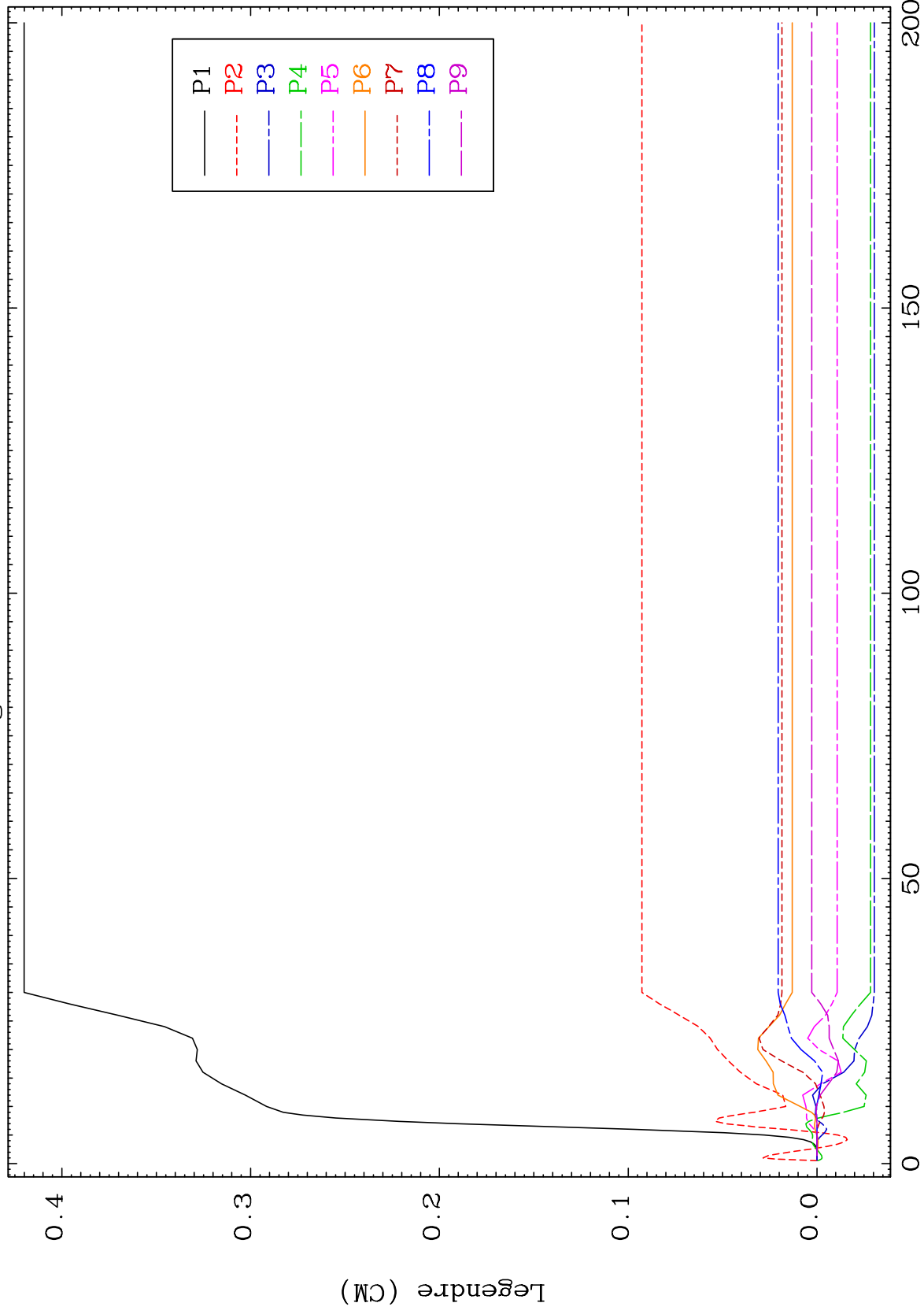
48-Cd-121



MAT 4870

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

48-Cd-121



41

Incident Energy (MeV)

48-Cd-121

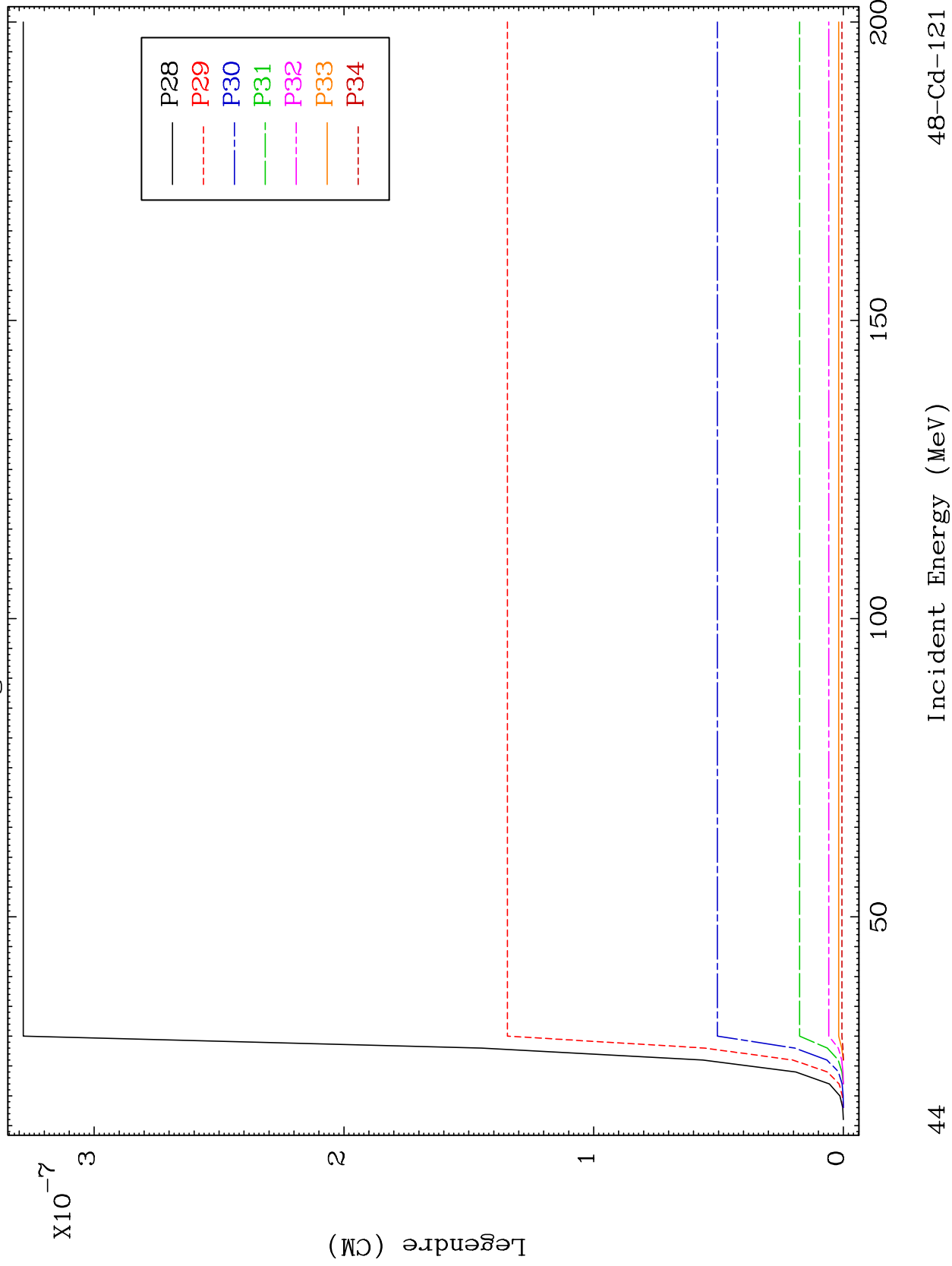




MAT 4870

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

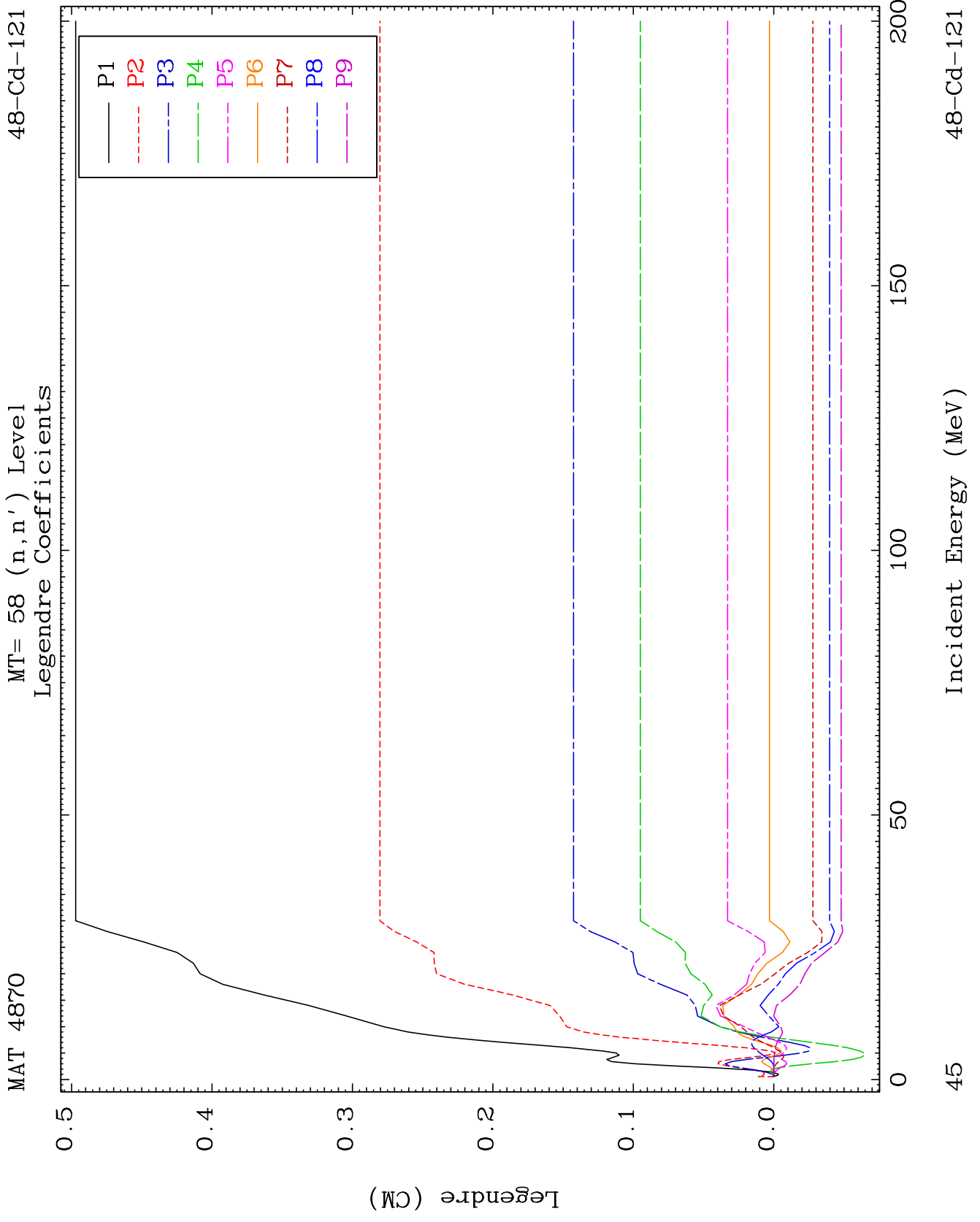
48-Cd-121



44

Incident Energy (MeV)

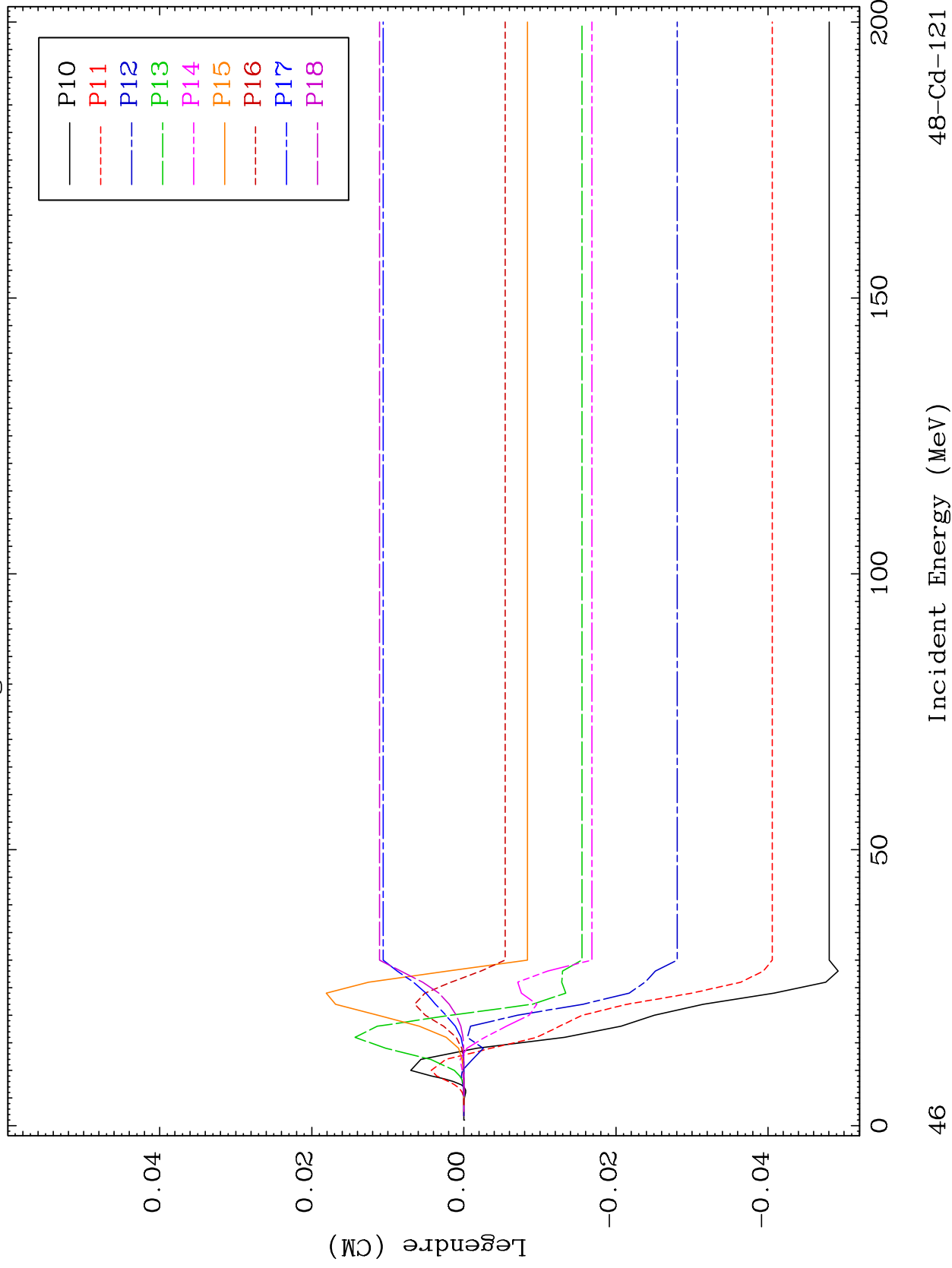
48-Cd-121



MAT 4870

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

48-Cd-121



46

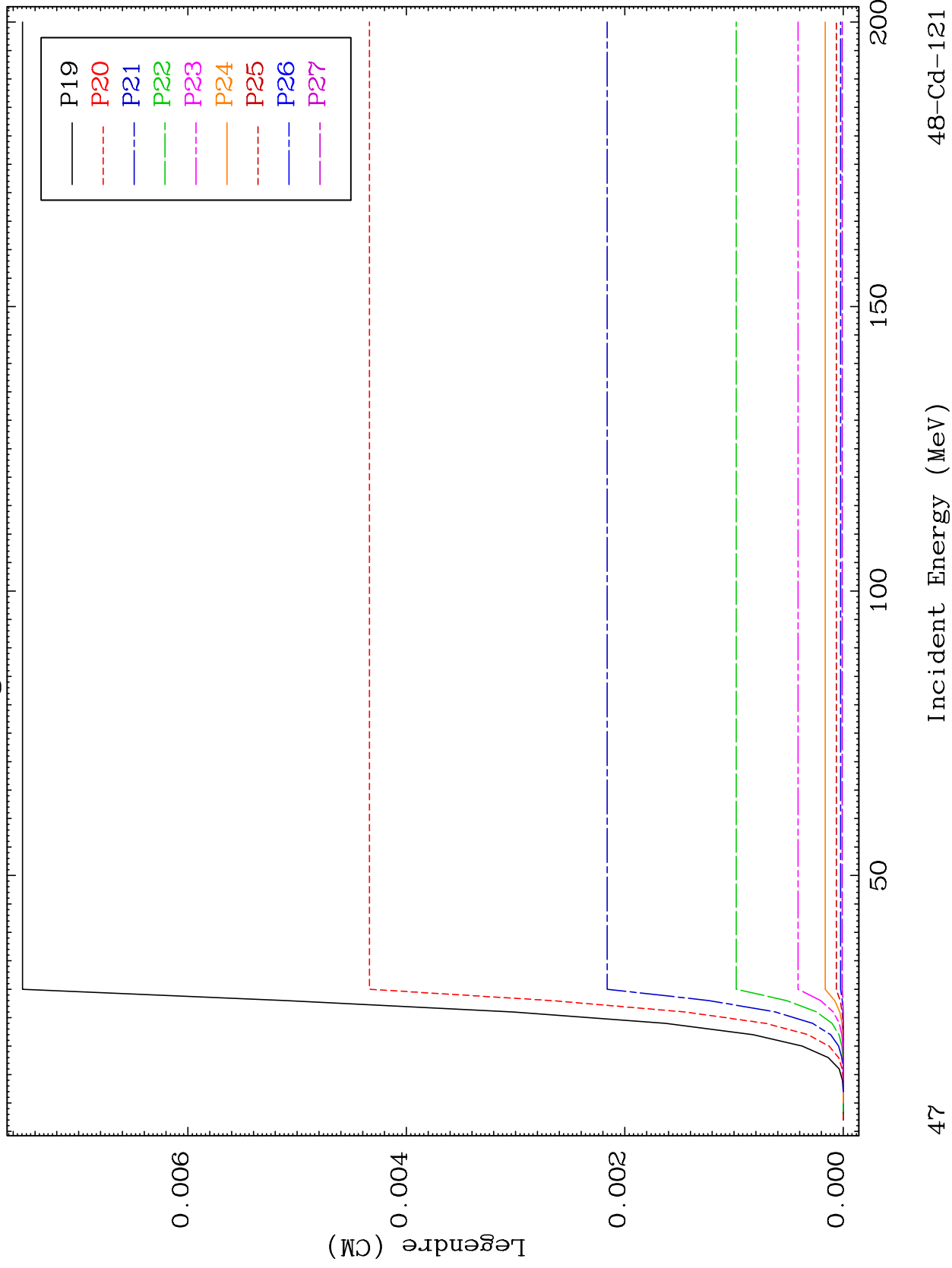
Incident Energy (MeV)

48-Cd-121

MAT 4870

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

48-Cd-121

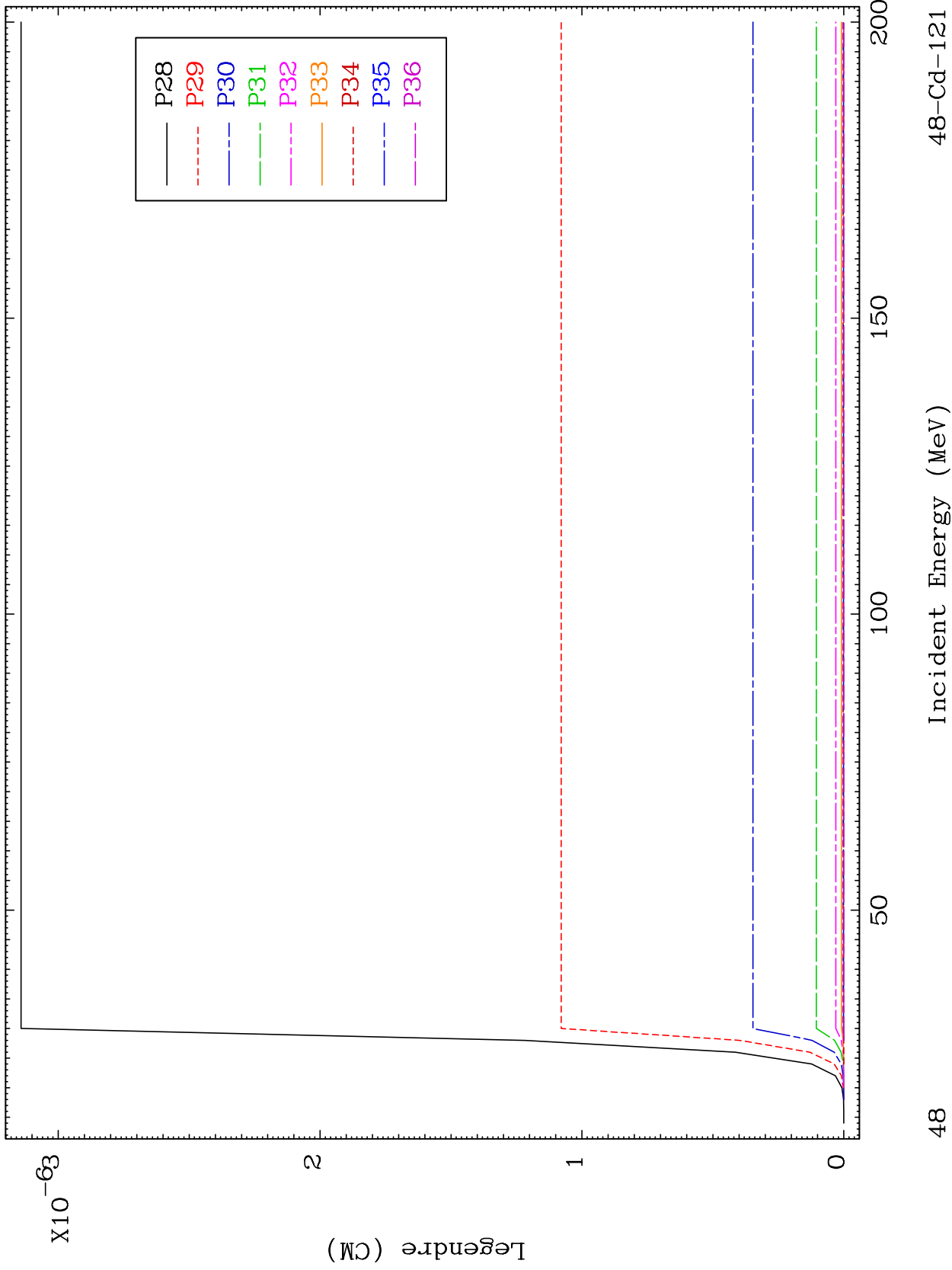




MAT 4870

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

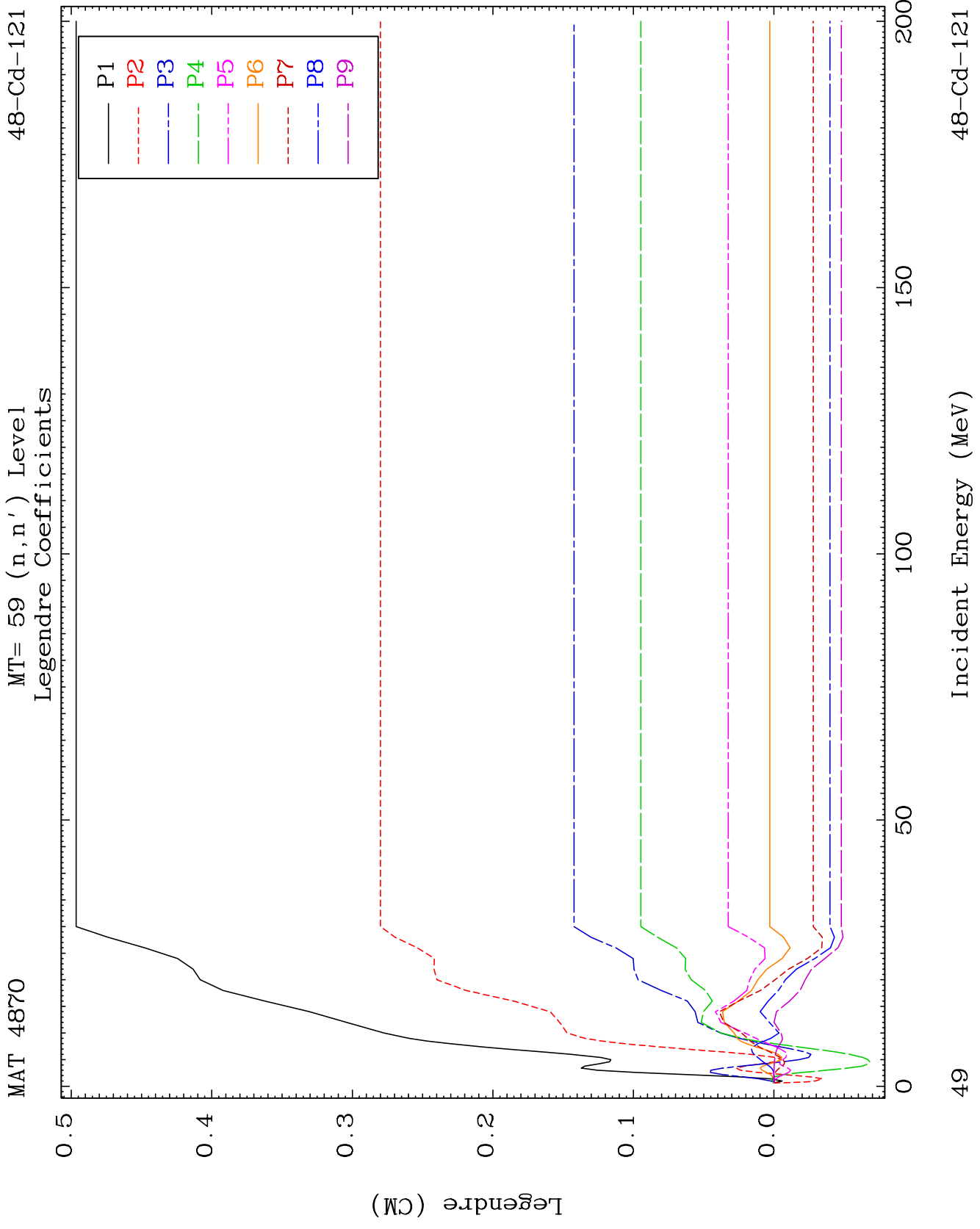
48-Cd-121



48

Incident Energy (MeV)

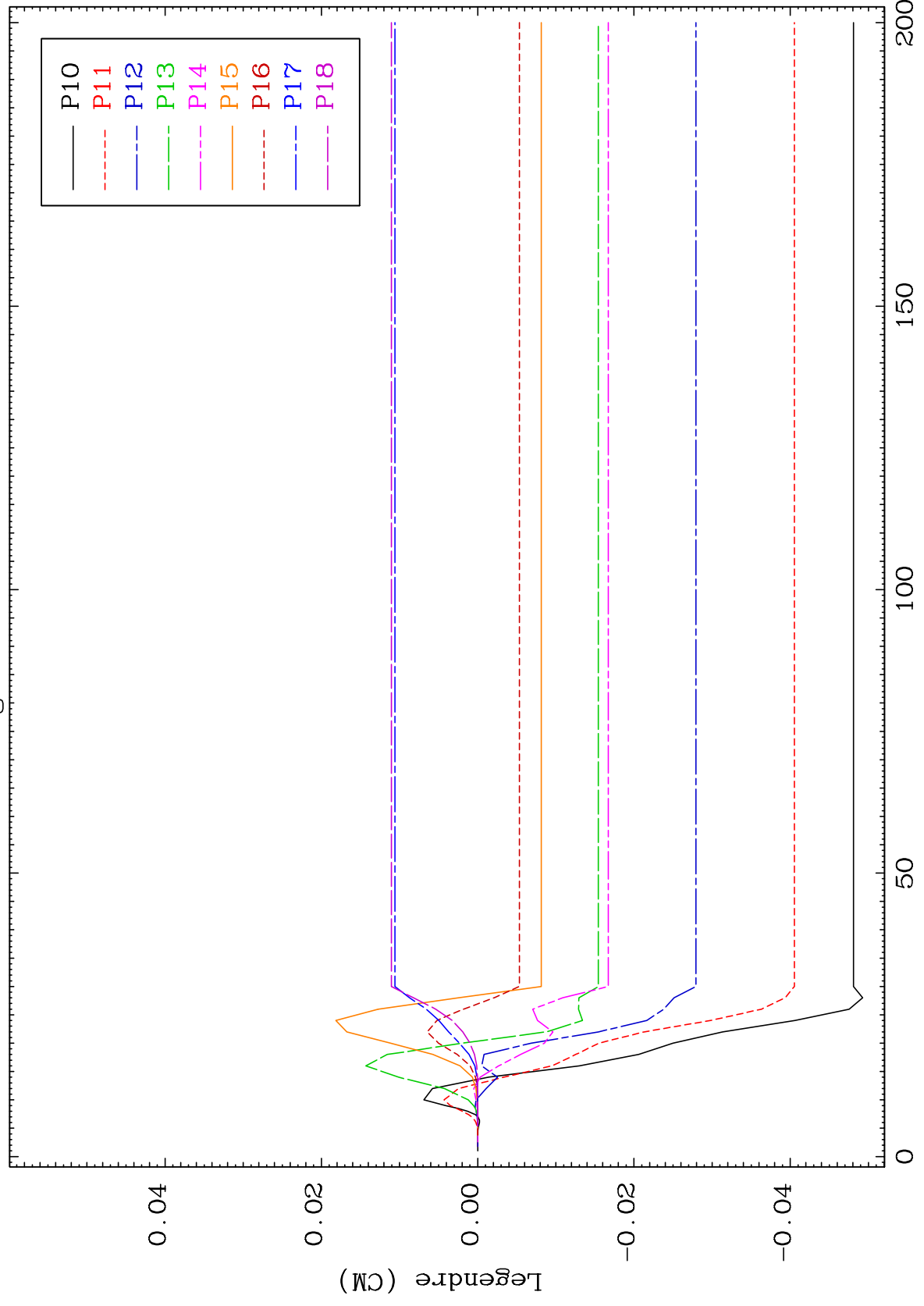
48-Cd-121



MAT 4870

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

48-Cd-121



50

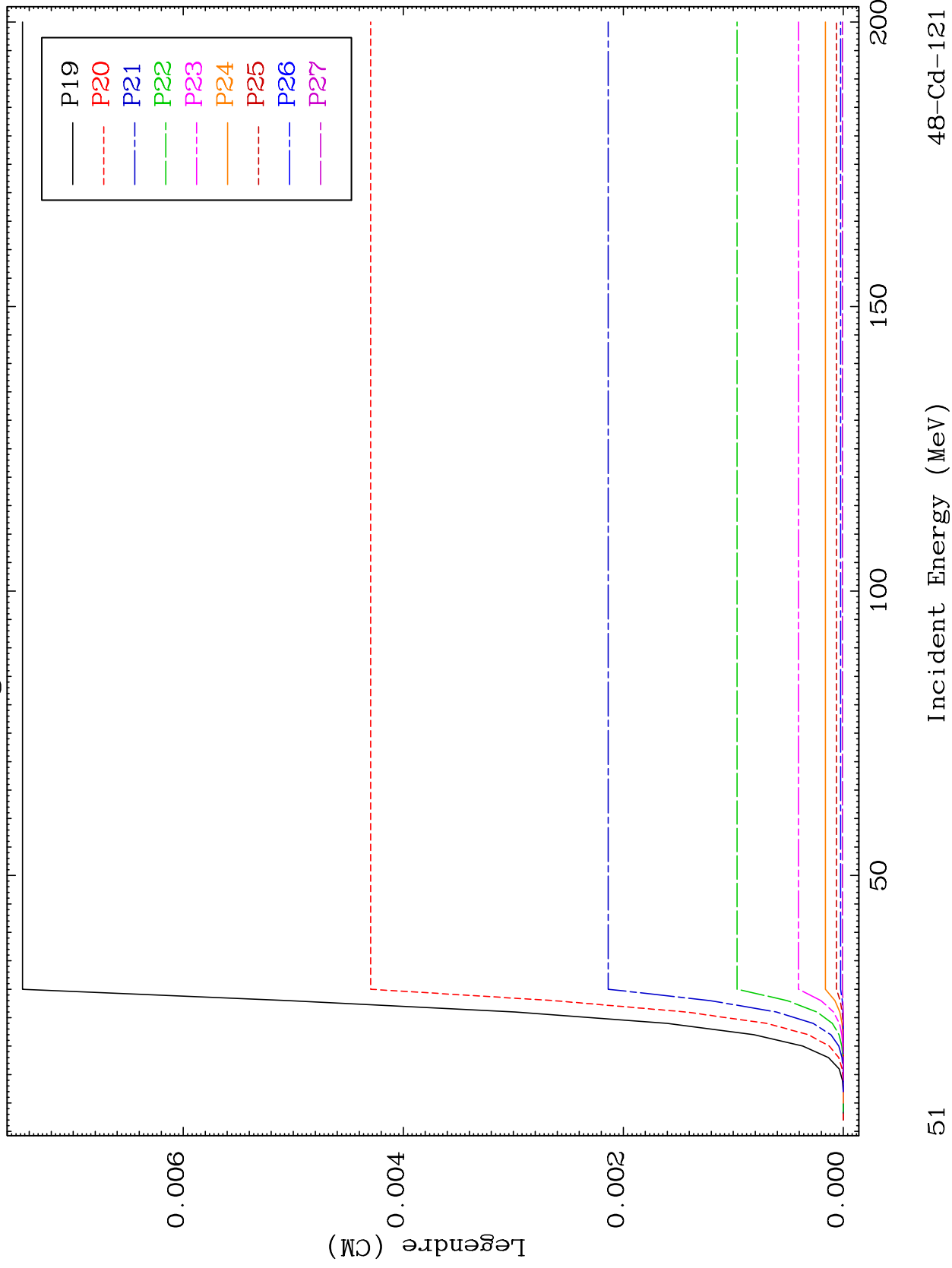
Incident Energy (MeV)

48-Cd-121

MAT 4870

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

48-Cd-121



51

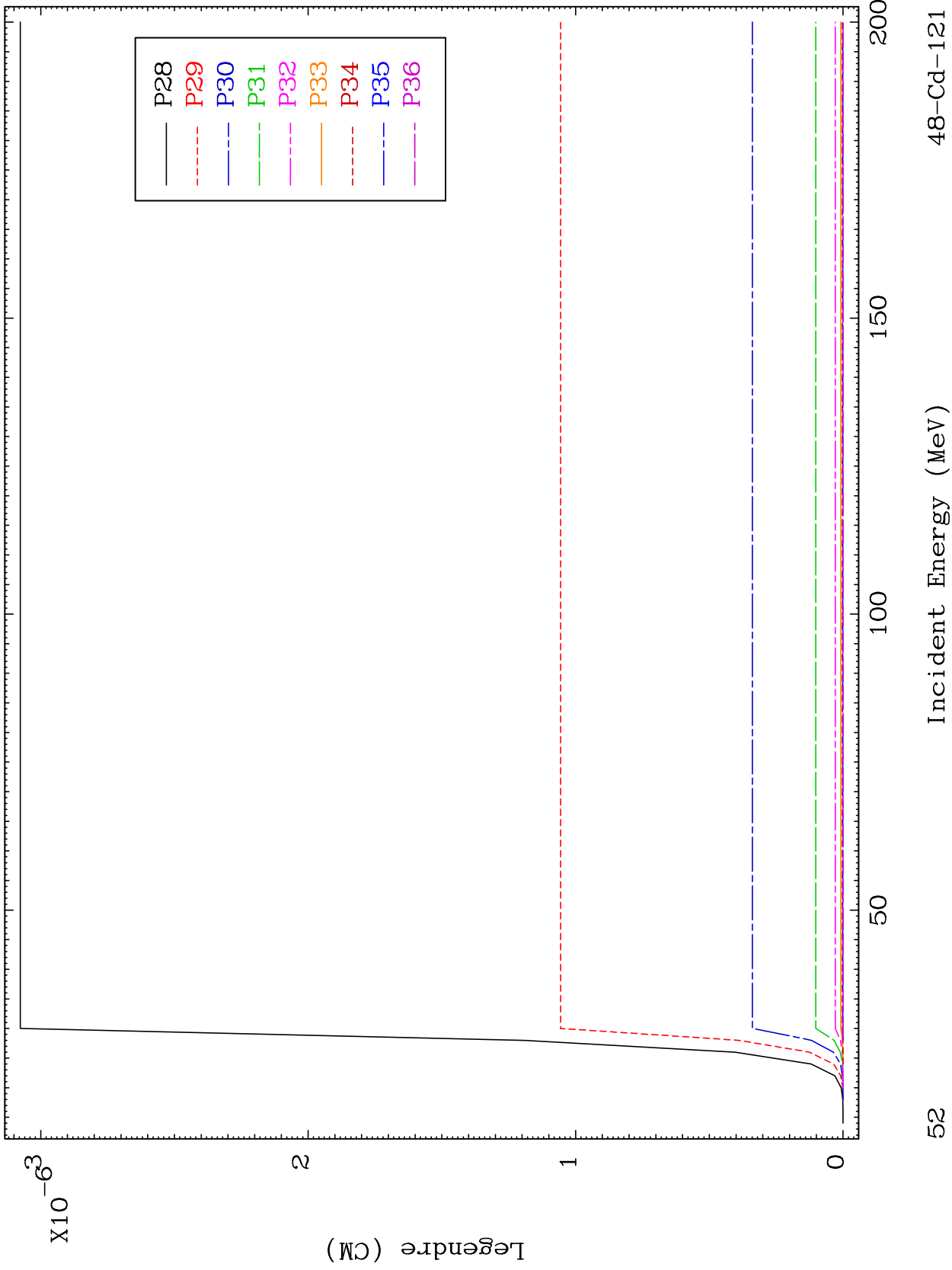
Incident Energy (MeV)

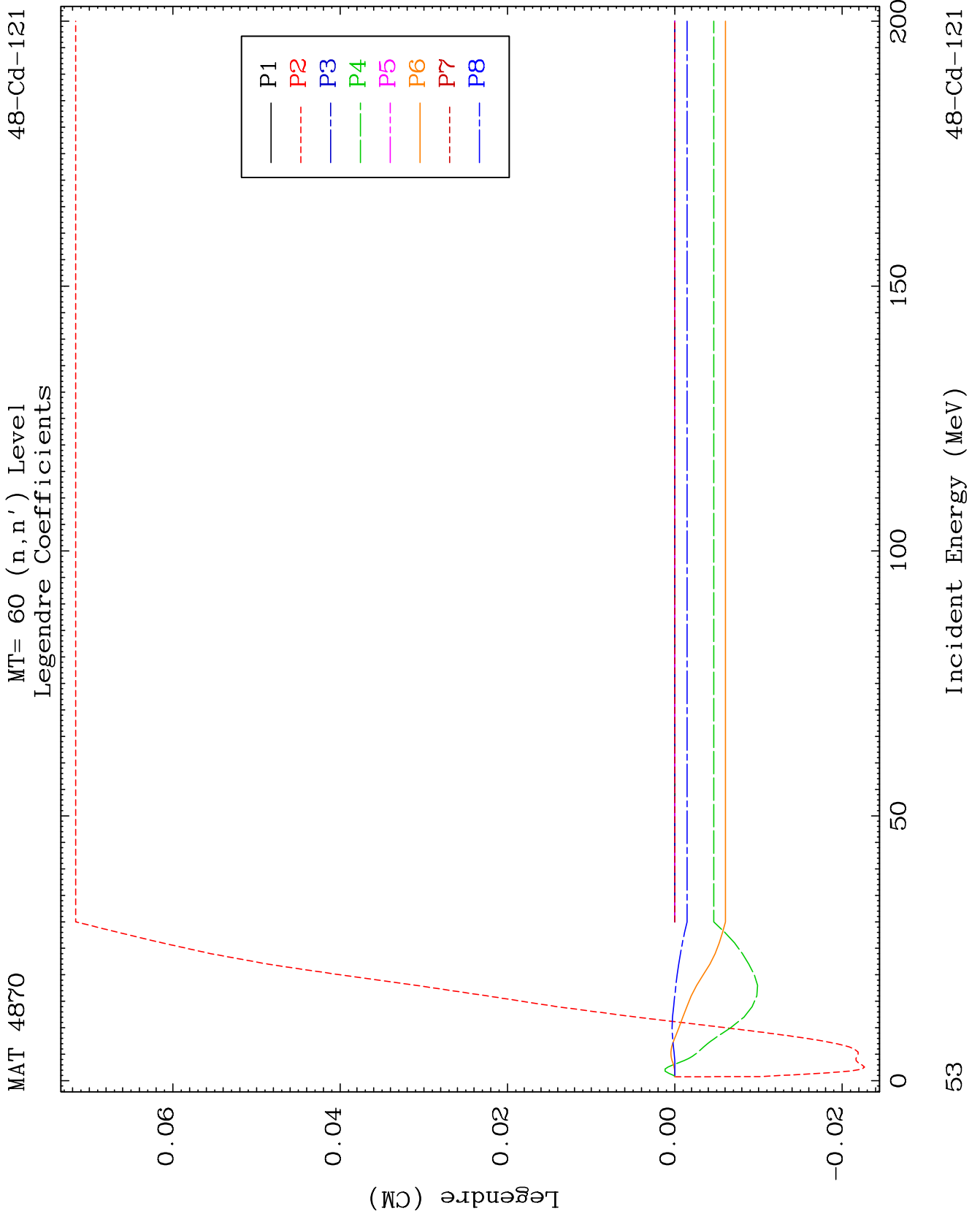
48-Cd-121

MAT 4870

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

48-Cd-121

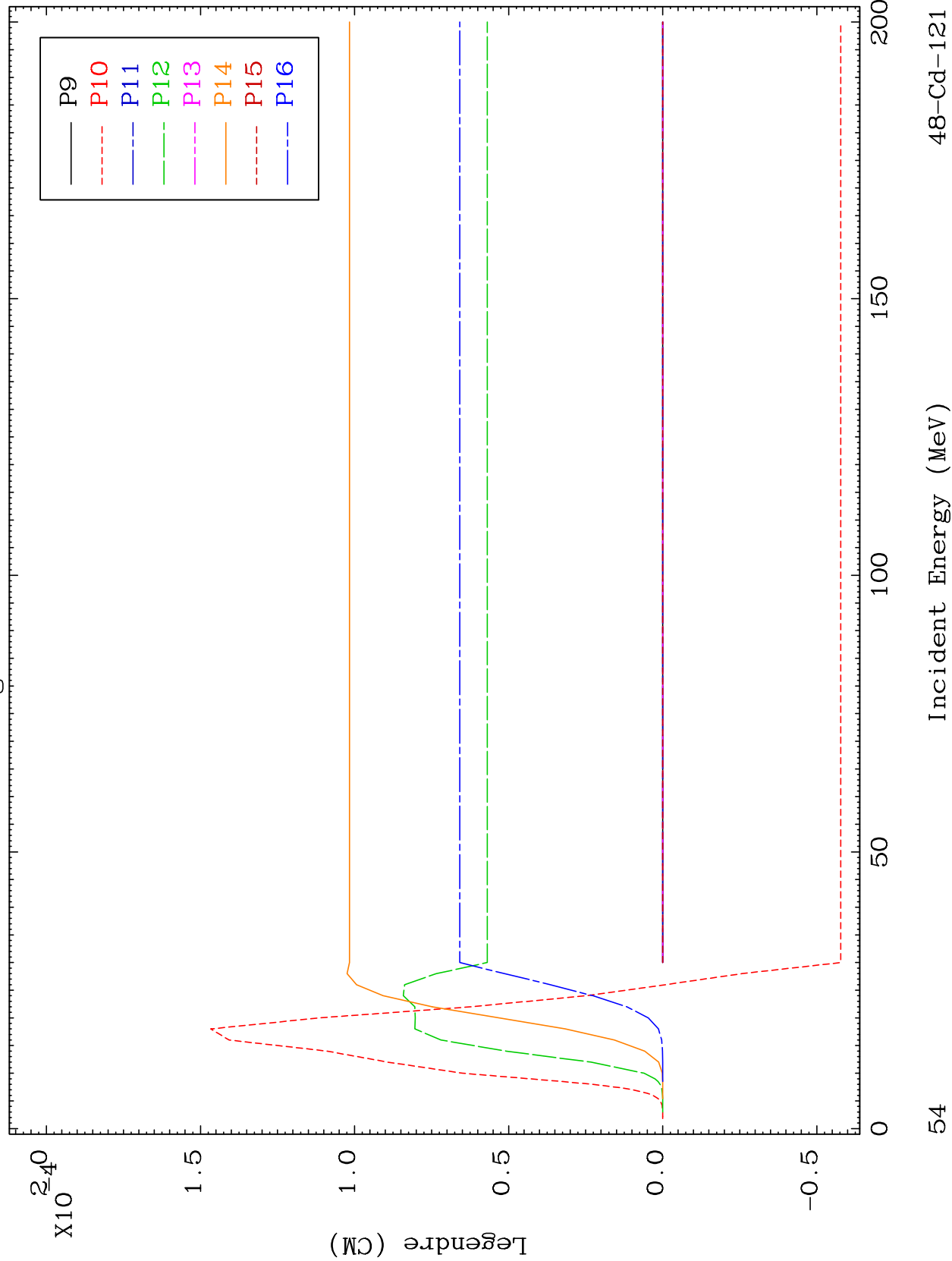




MAT 4870

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

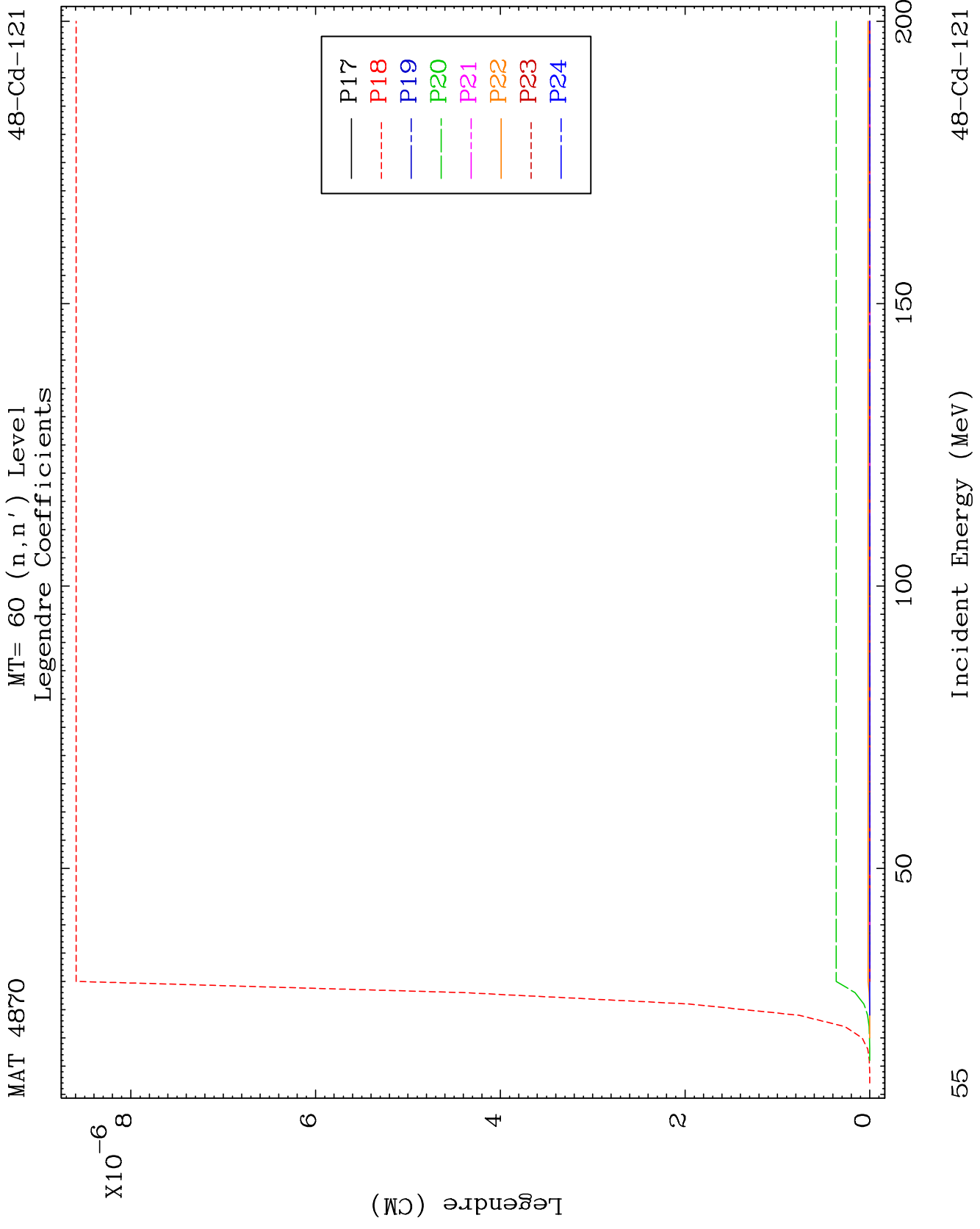
48-Cd-121



54

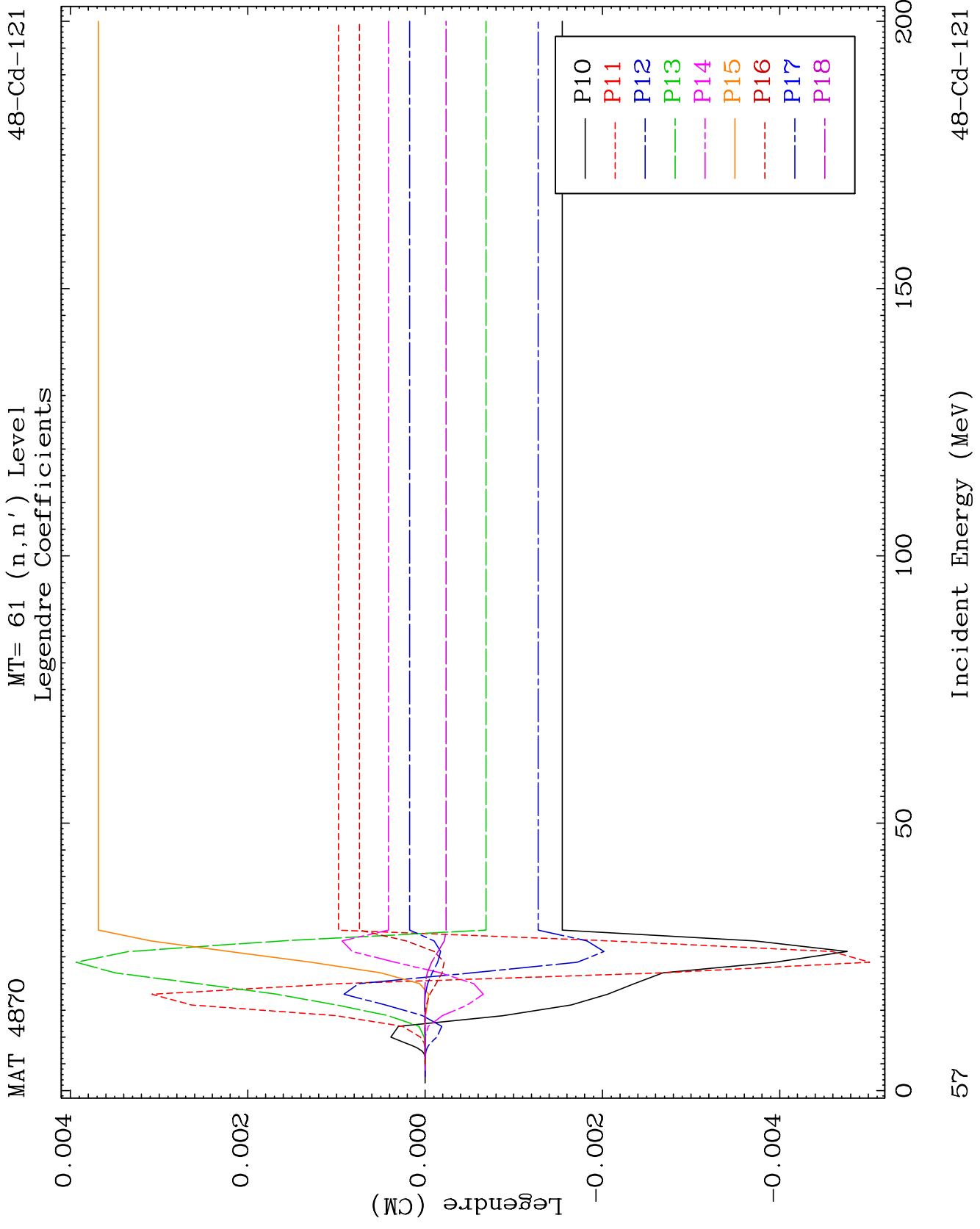
Incident Energy (MeV)

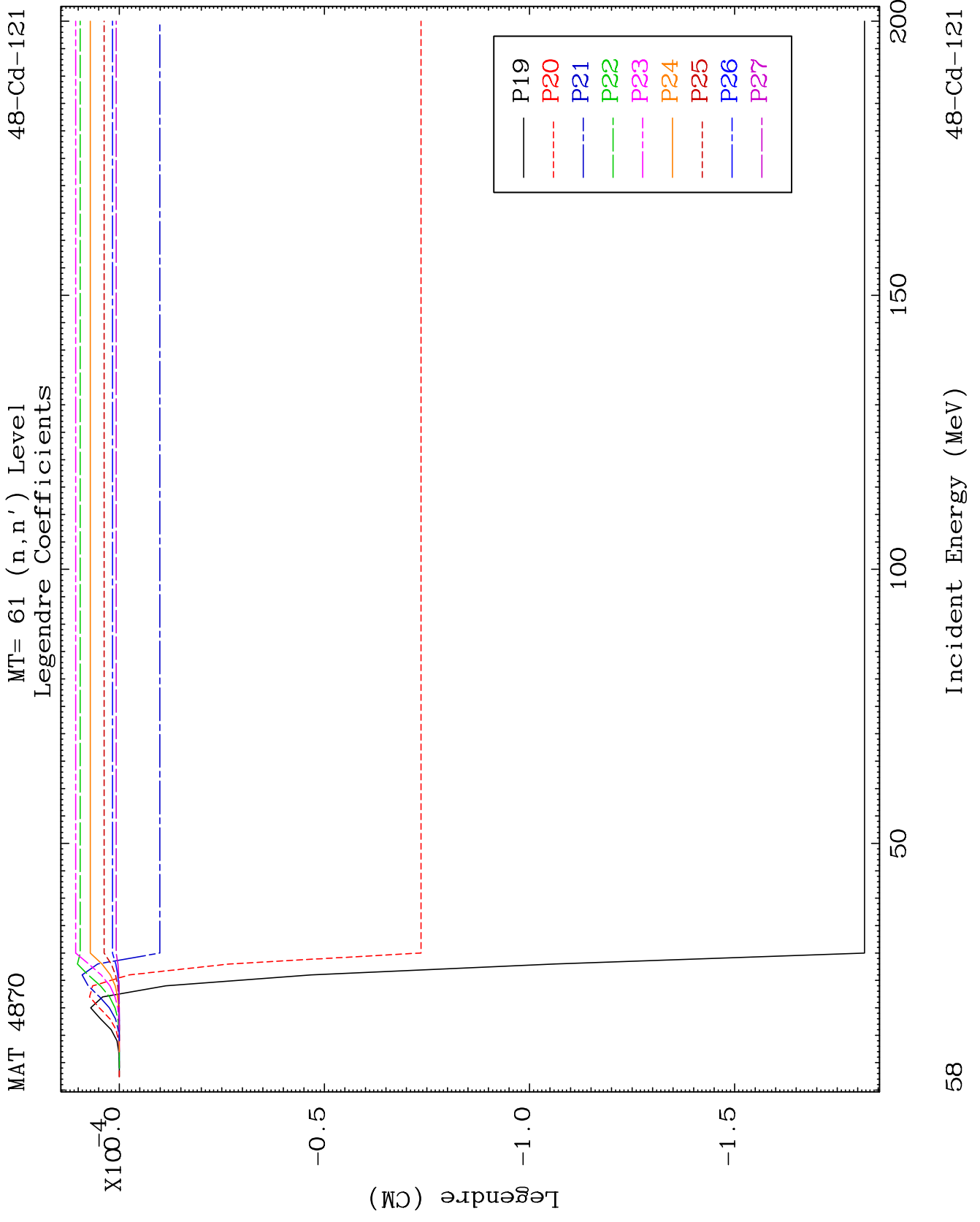
48-Cd-121







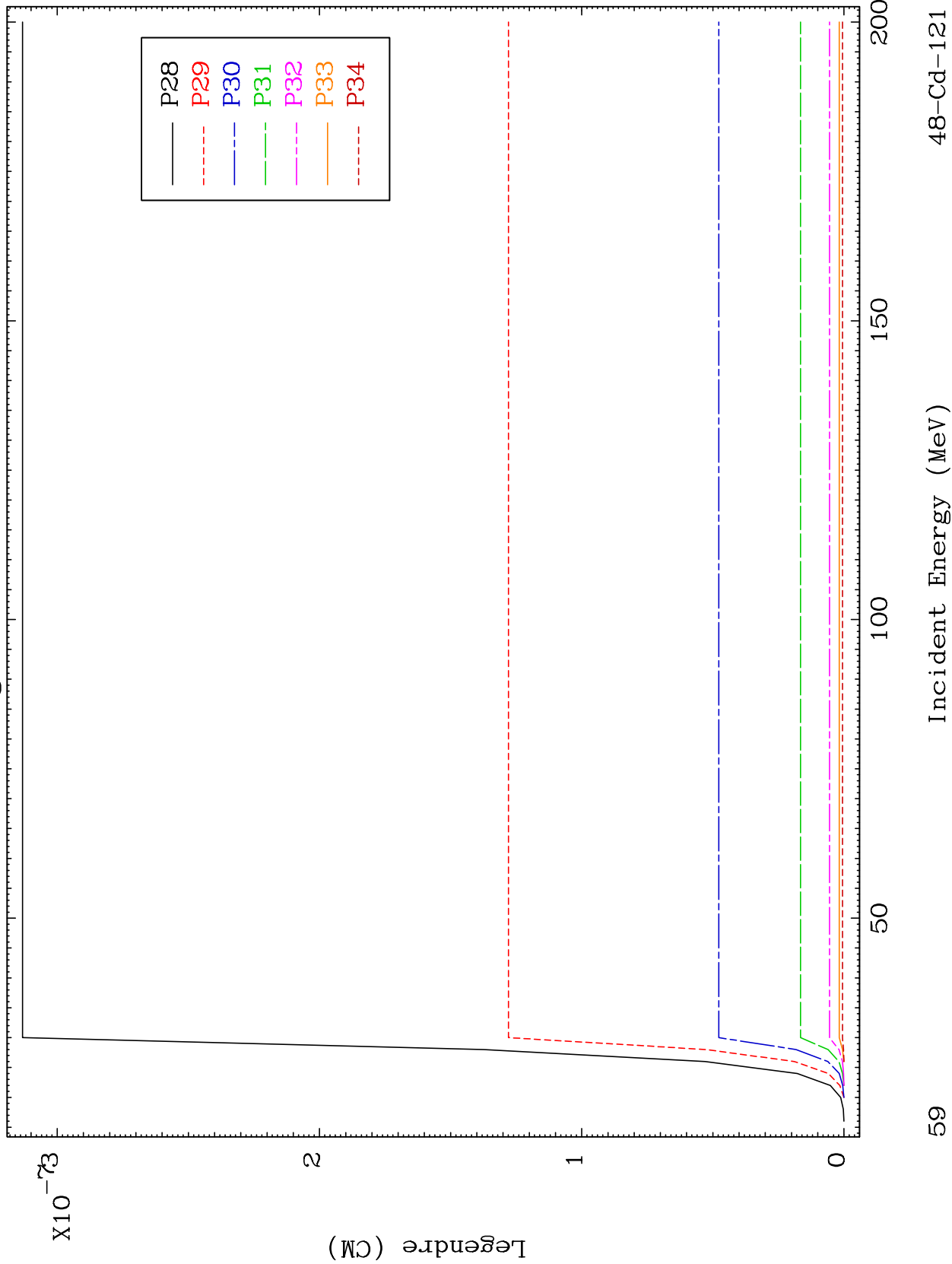




MAT 4870

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

48-Cd-121



59

Incident Energy (MeV)

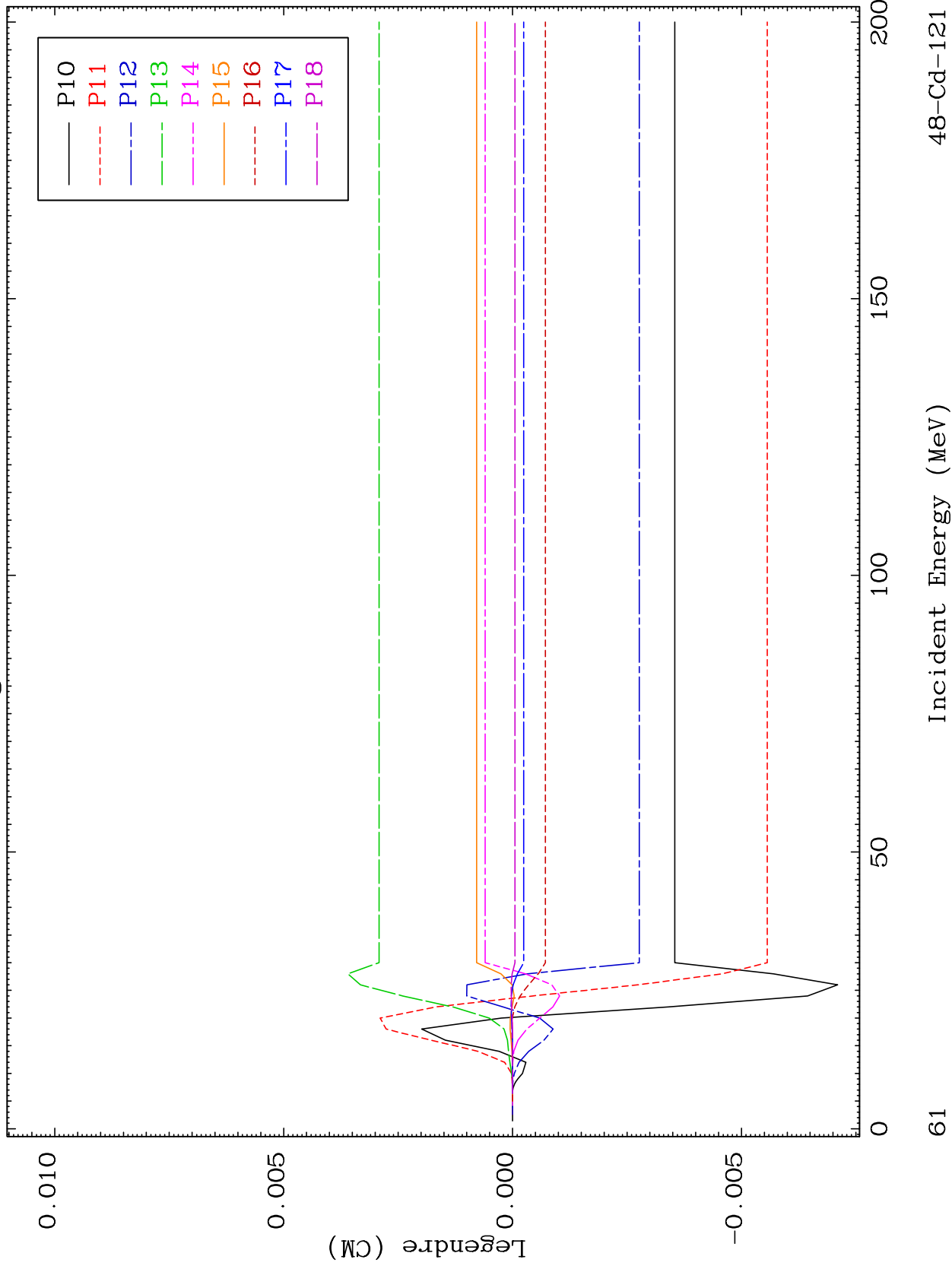
48-Cd-121



MAT 4870

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

48-Cd-121

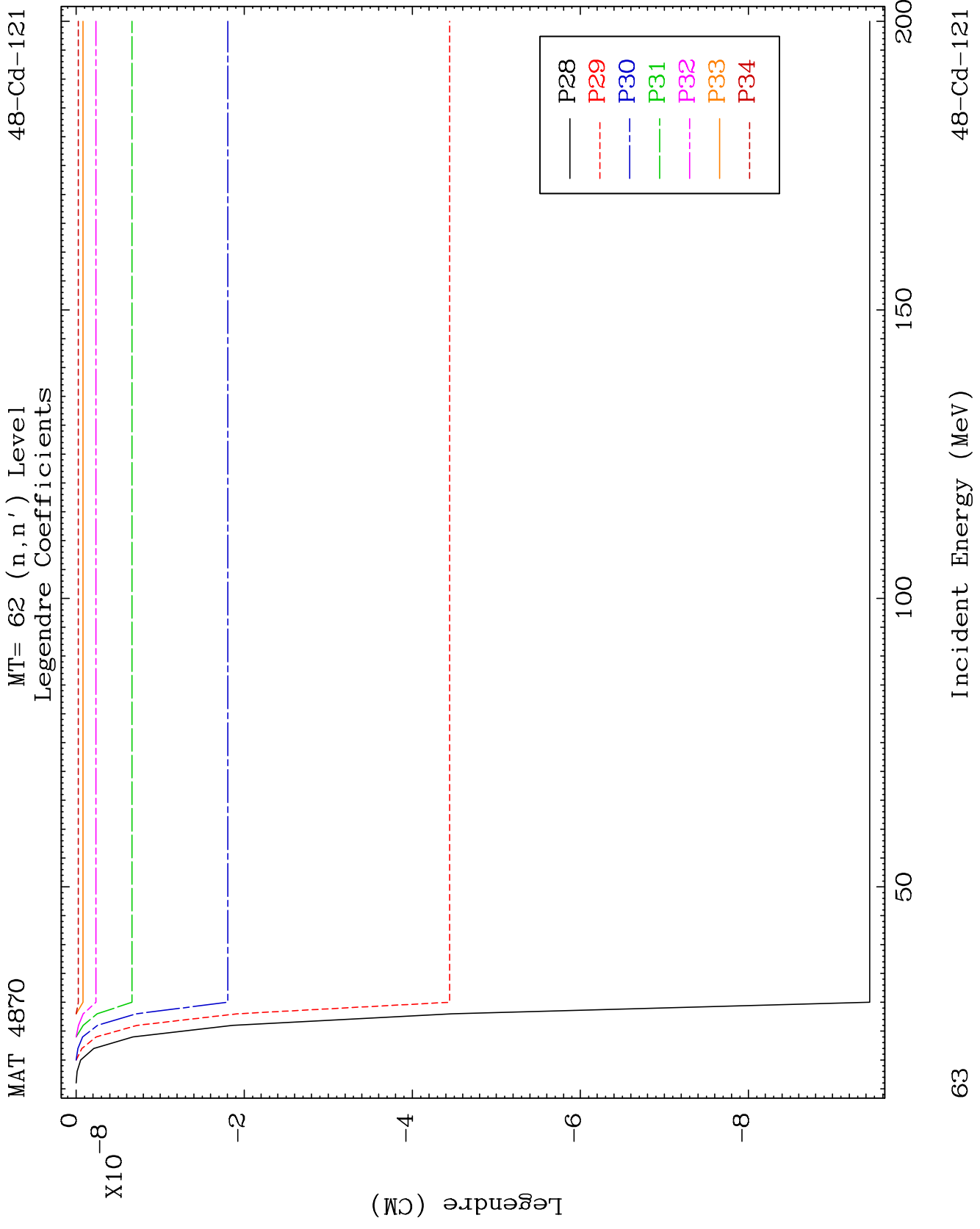


61

Incident Energy (MeV)

48-Cd-121





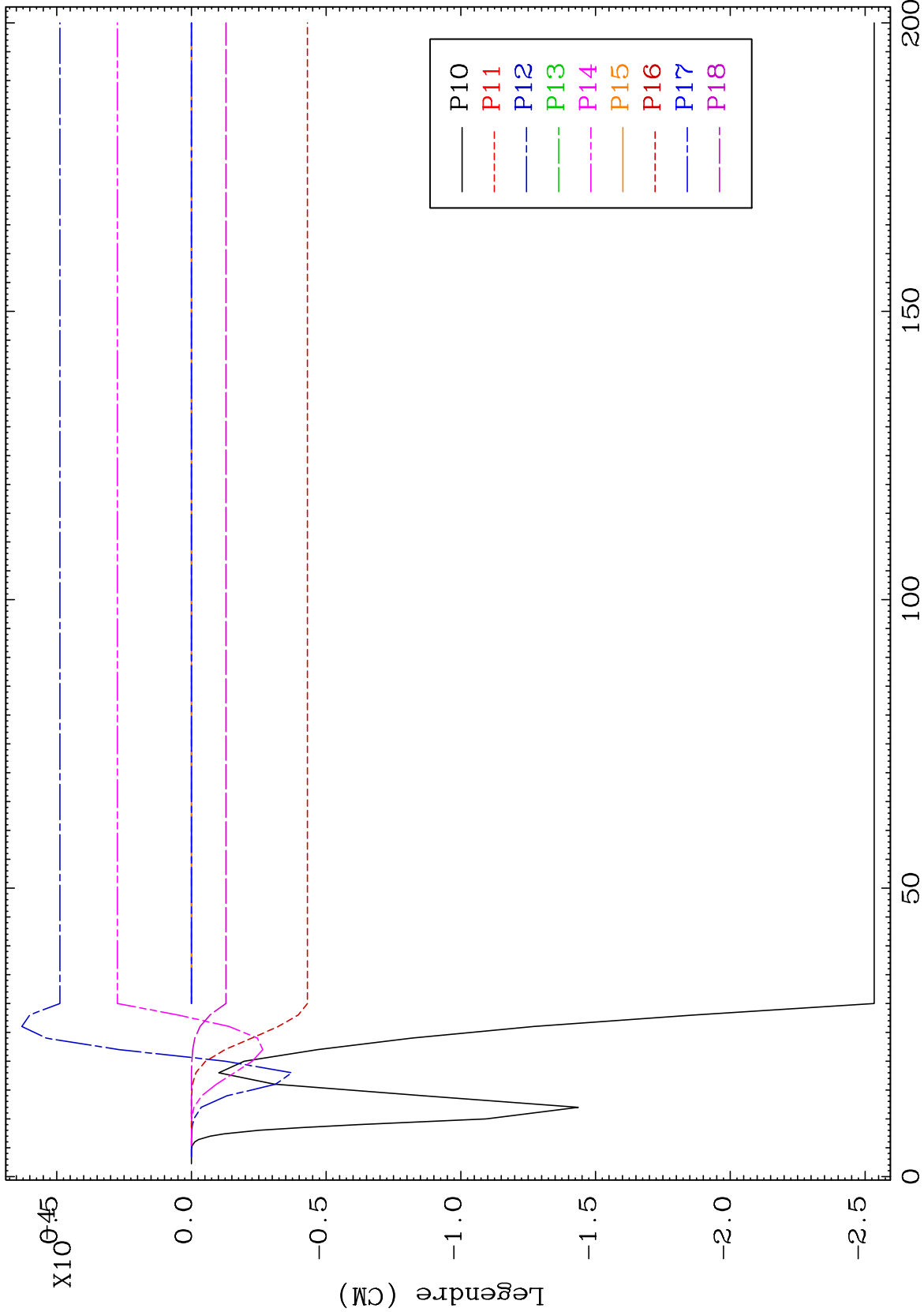




MAT 4870

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

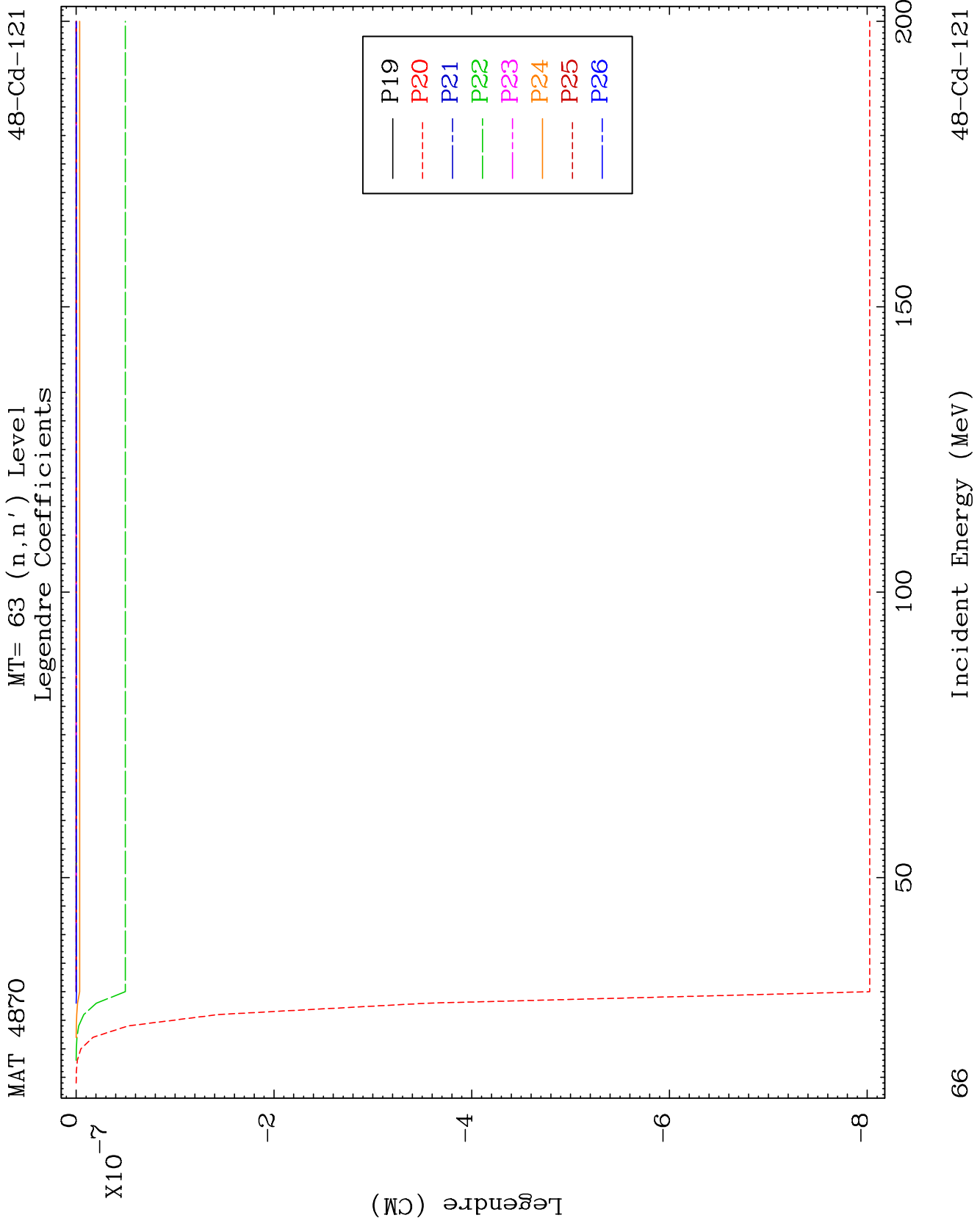
48-Cd-121

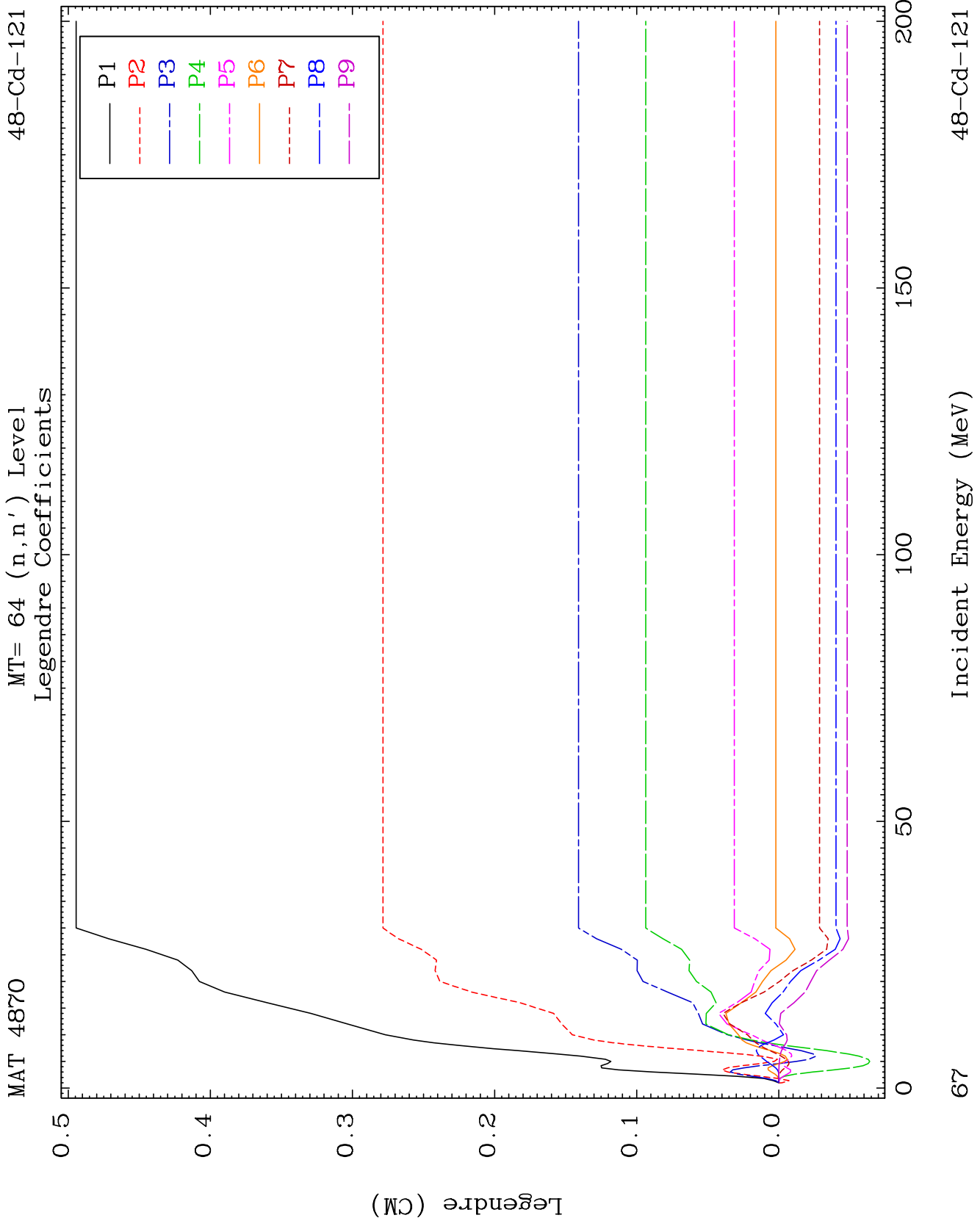


65

Incident Energy (MeV)

48-Cd-121

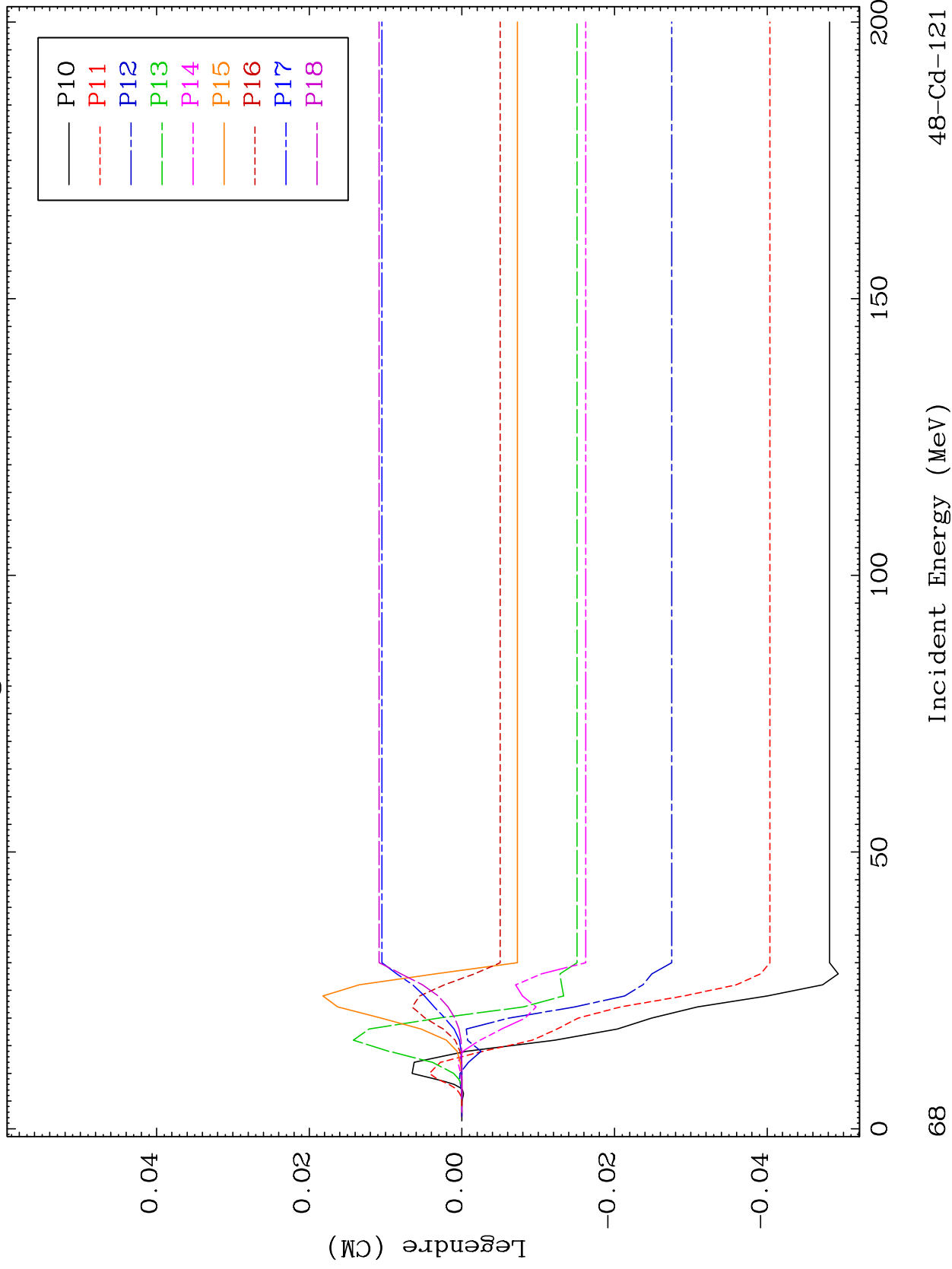




MAT 4870

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

48-Cd-121



48-Cd-121

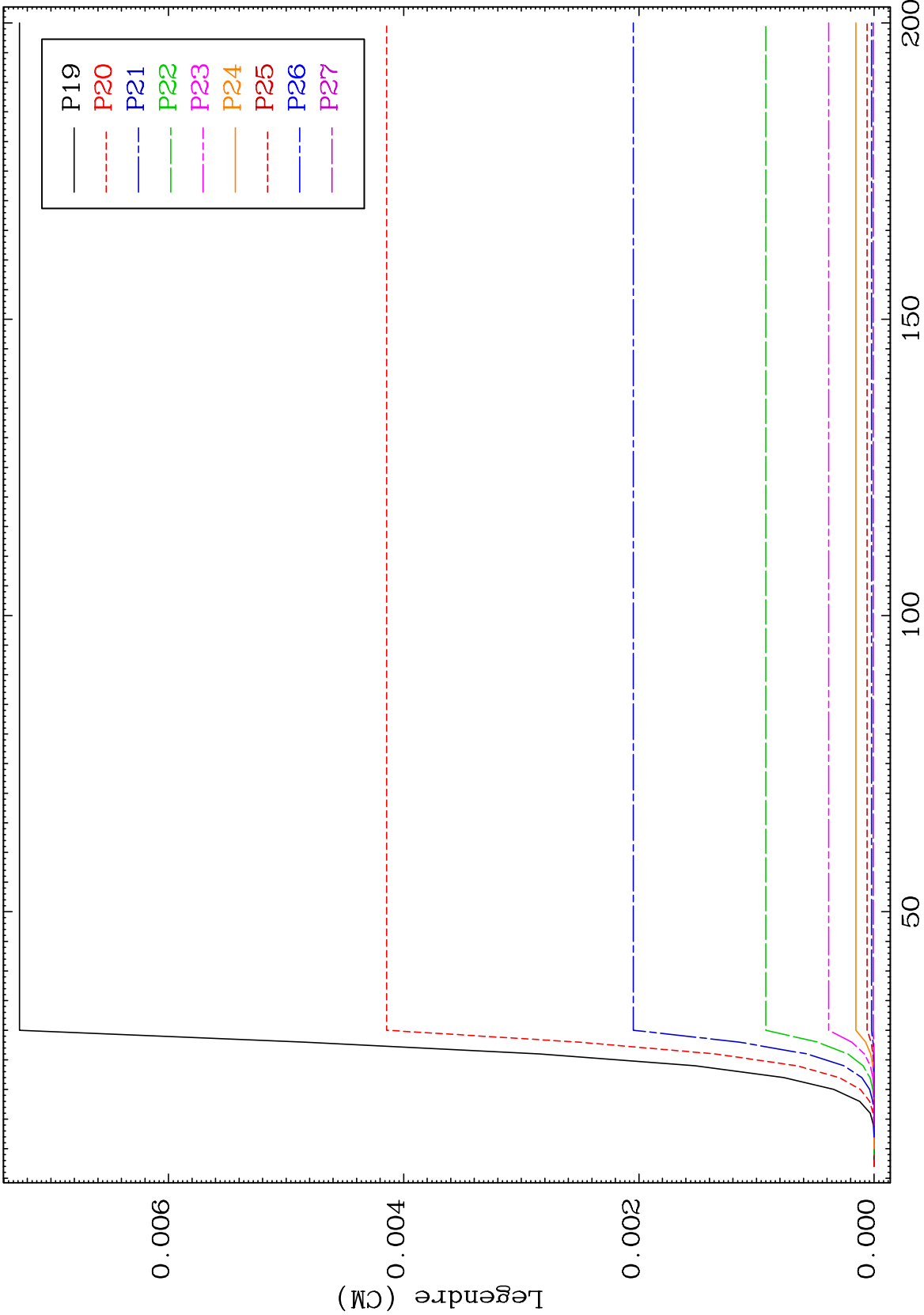
Incident Energy (MeV)

68

MAT 4870

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

48-Cd-121



69

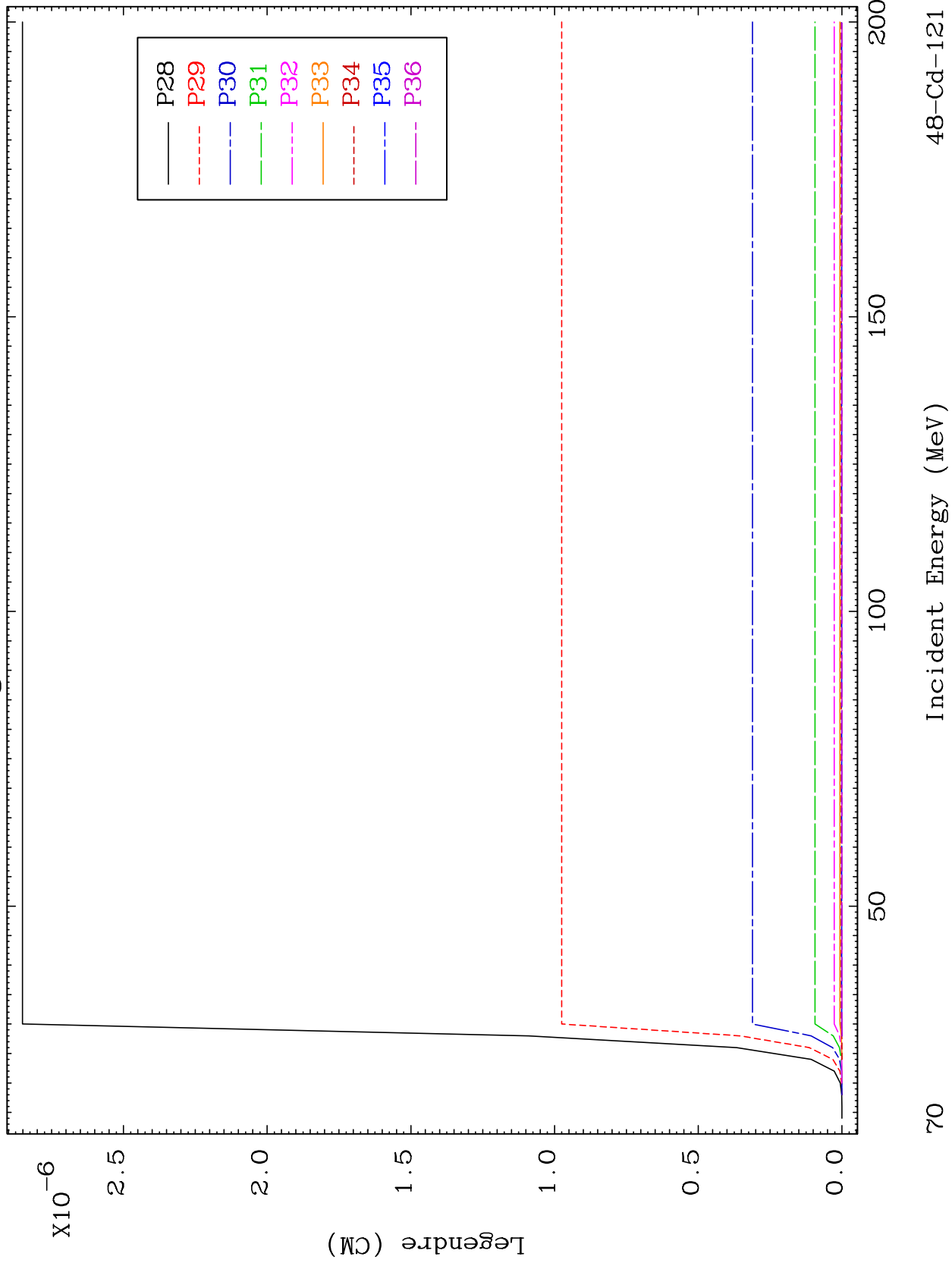
Incident Energy (MeV)

48-Cd-121

MAT 4870

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

48-Cd-121



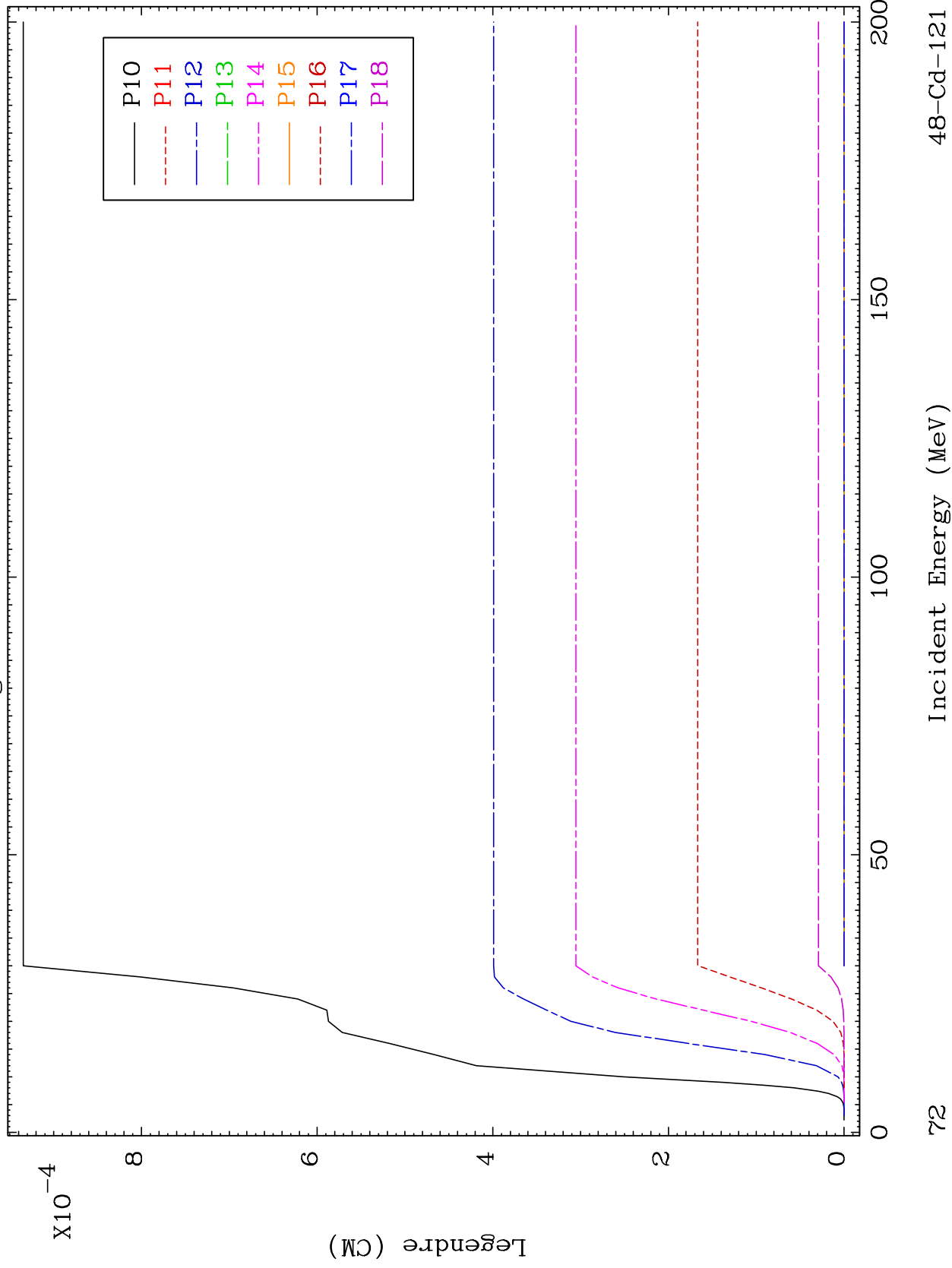




MAT 4870

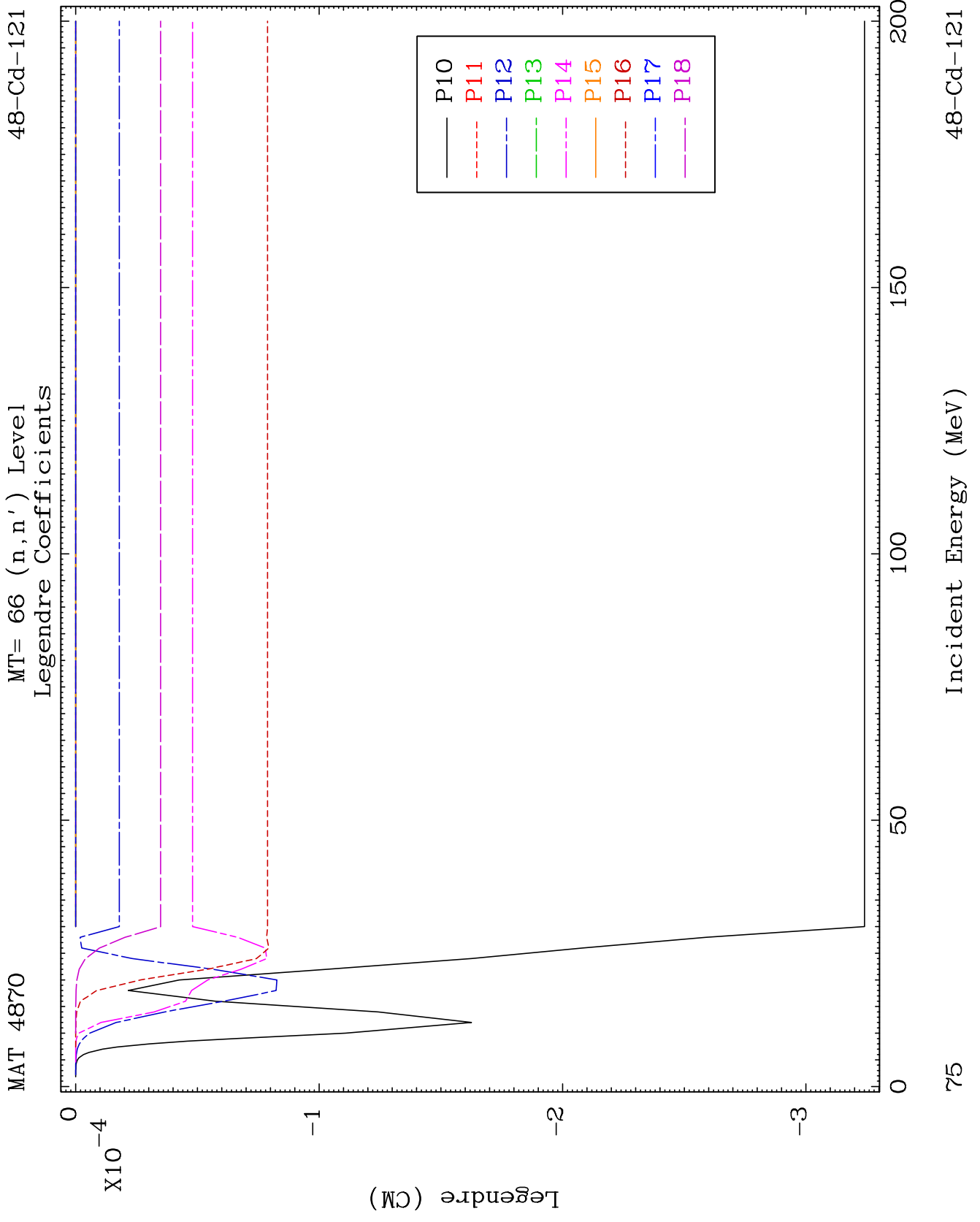
MT= 65 (n,n') Level  
Legendre Coefficients

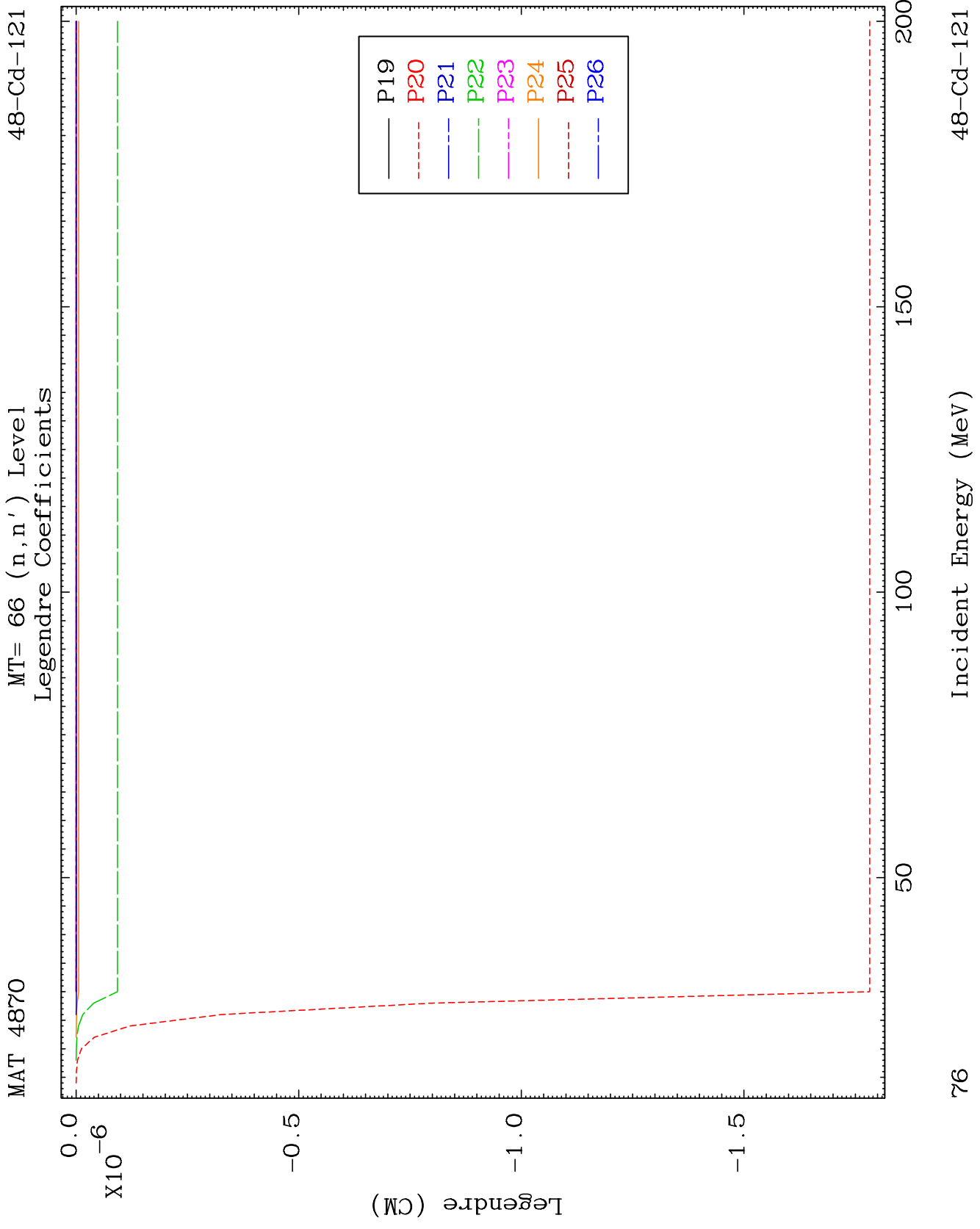
48-Cd-121

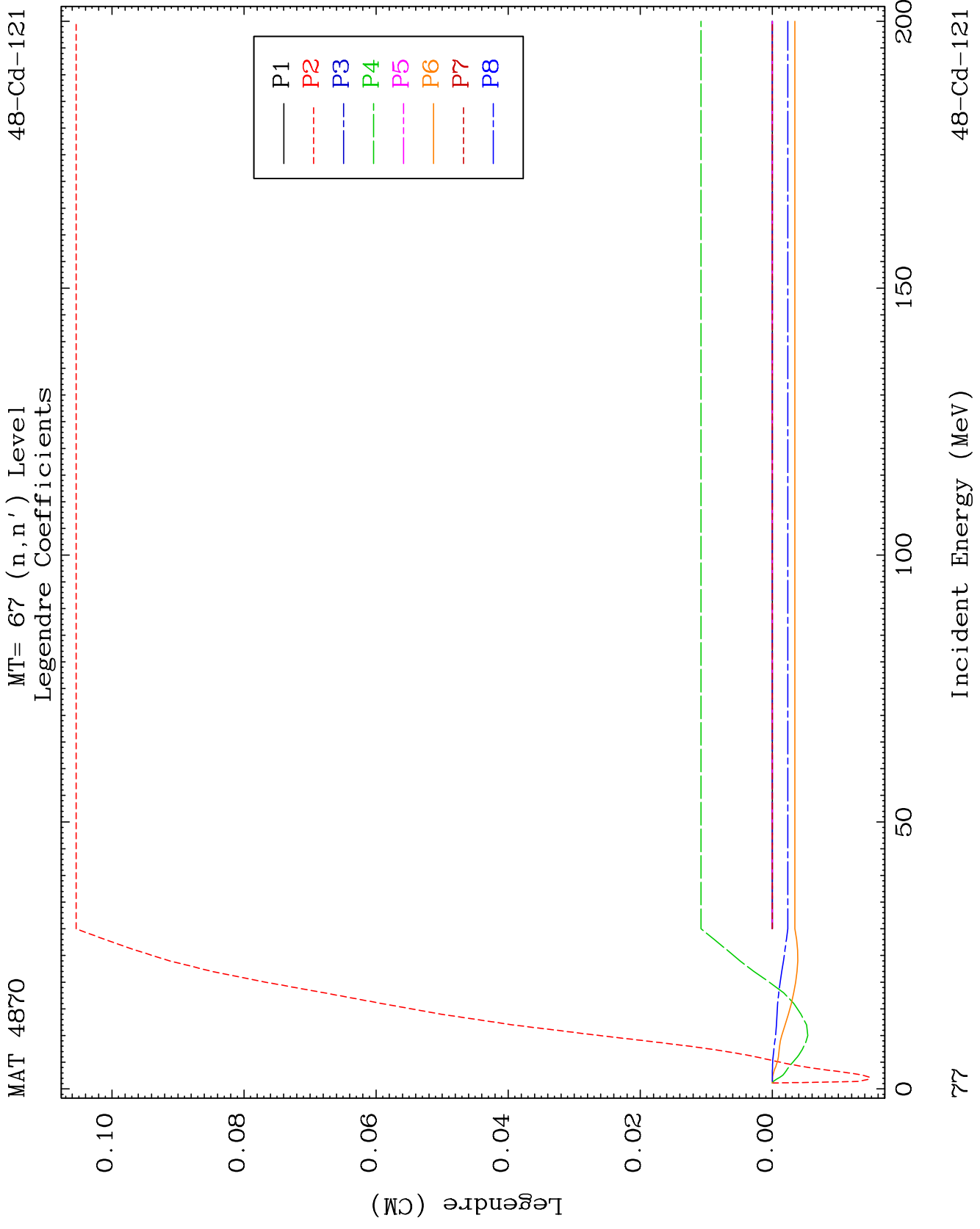


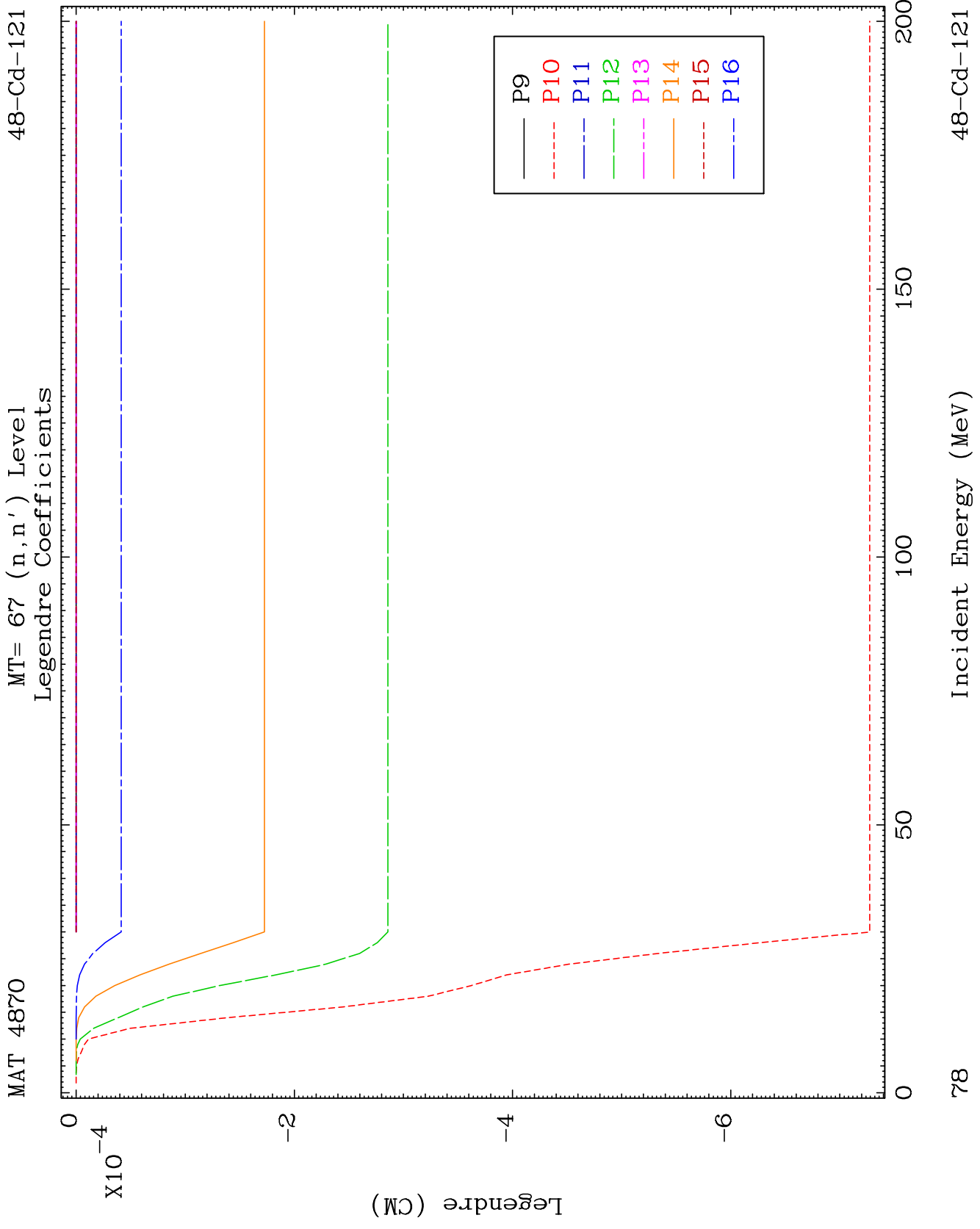












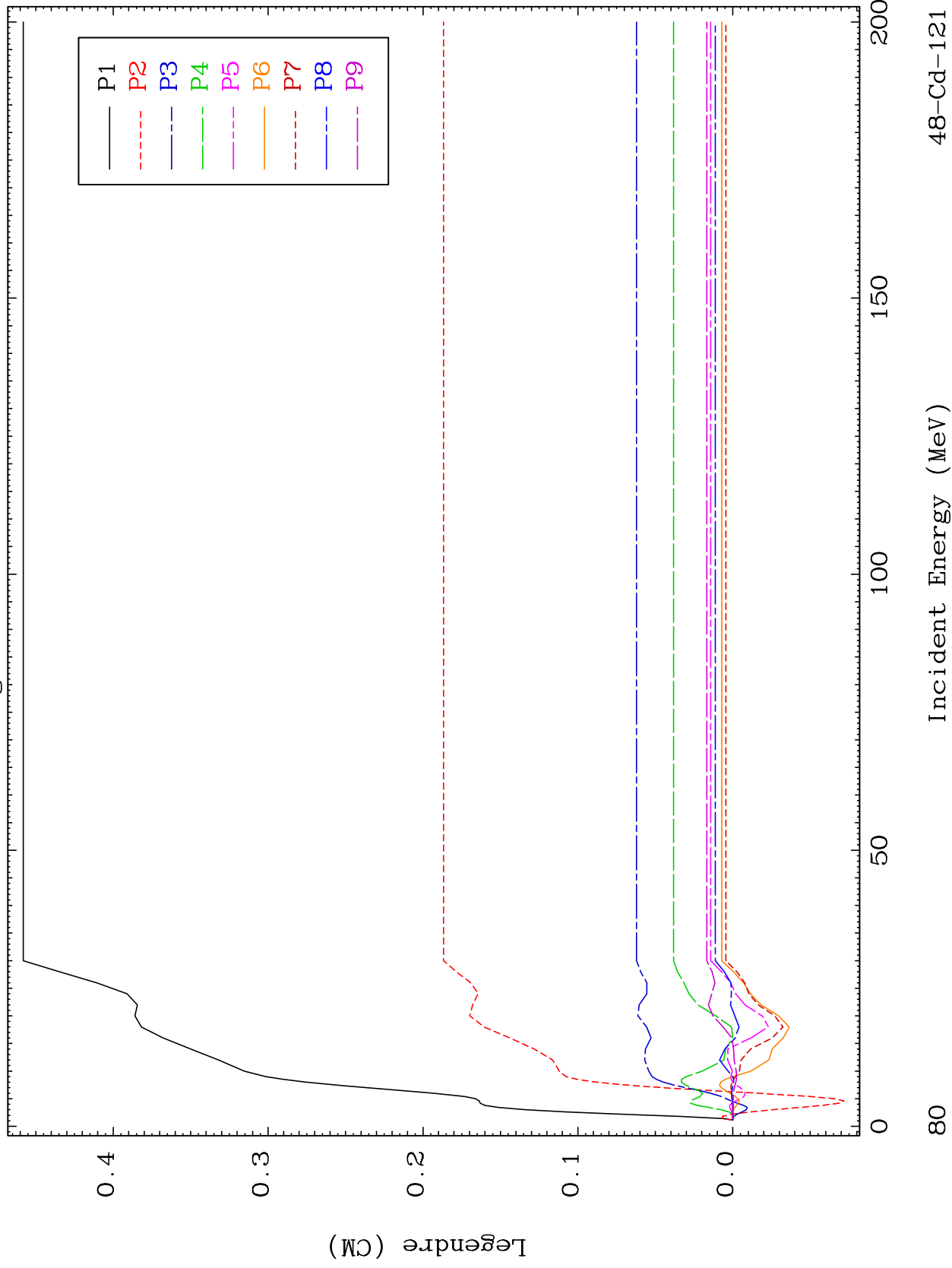




MAT 4870

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

48-Cd-121



48-Cd-121

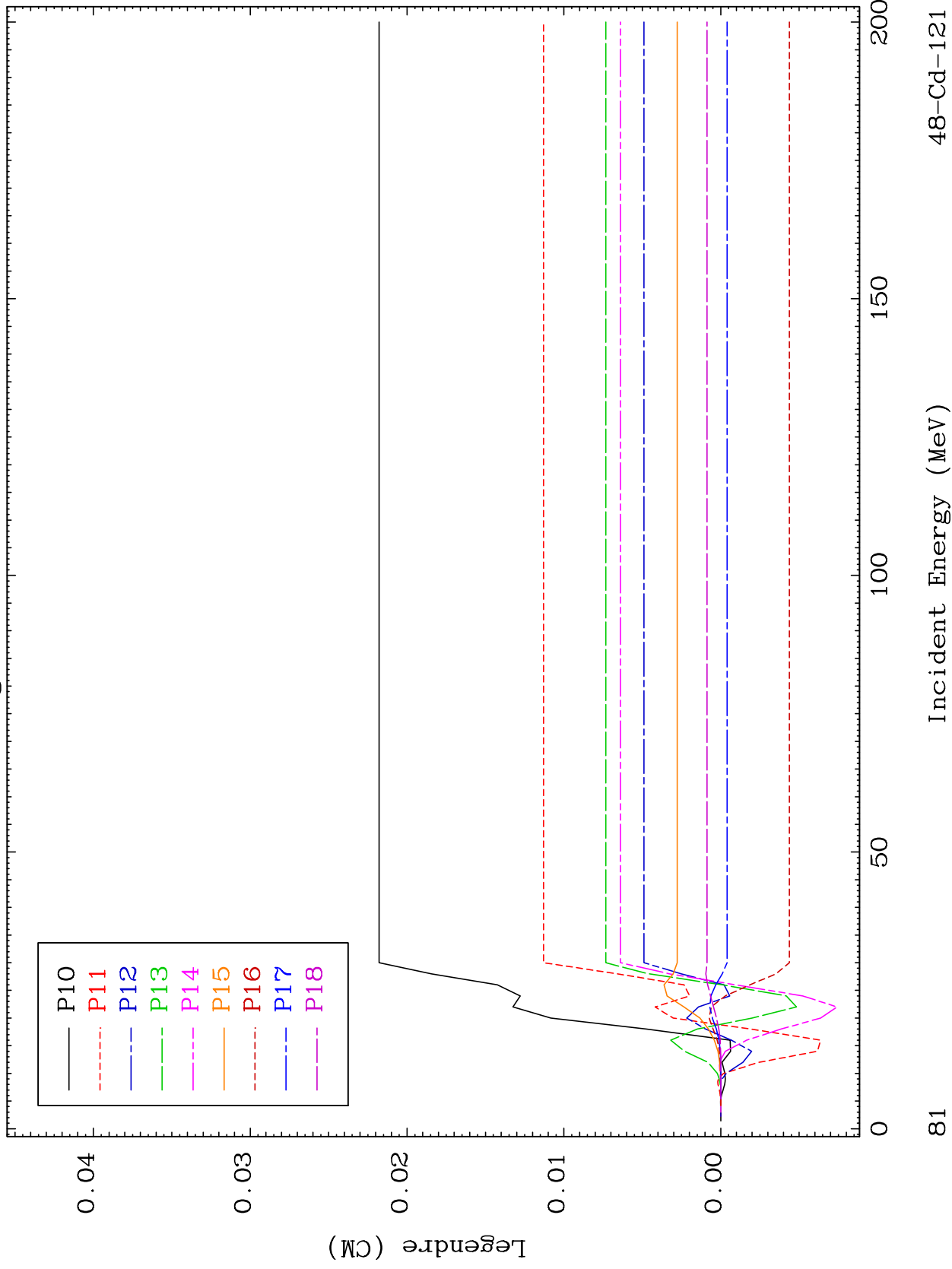
Incident Energy (MeV)

80

MAT 4870

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

48-Cd-121



81

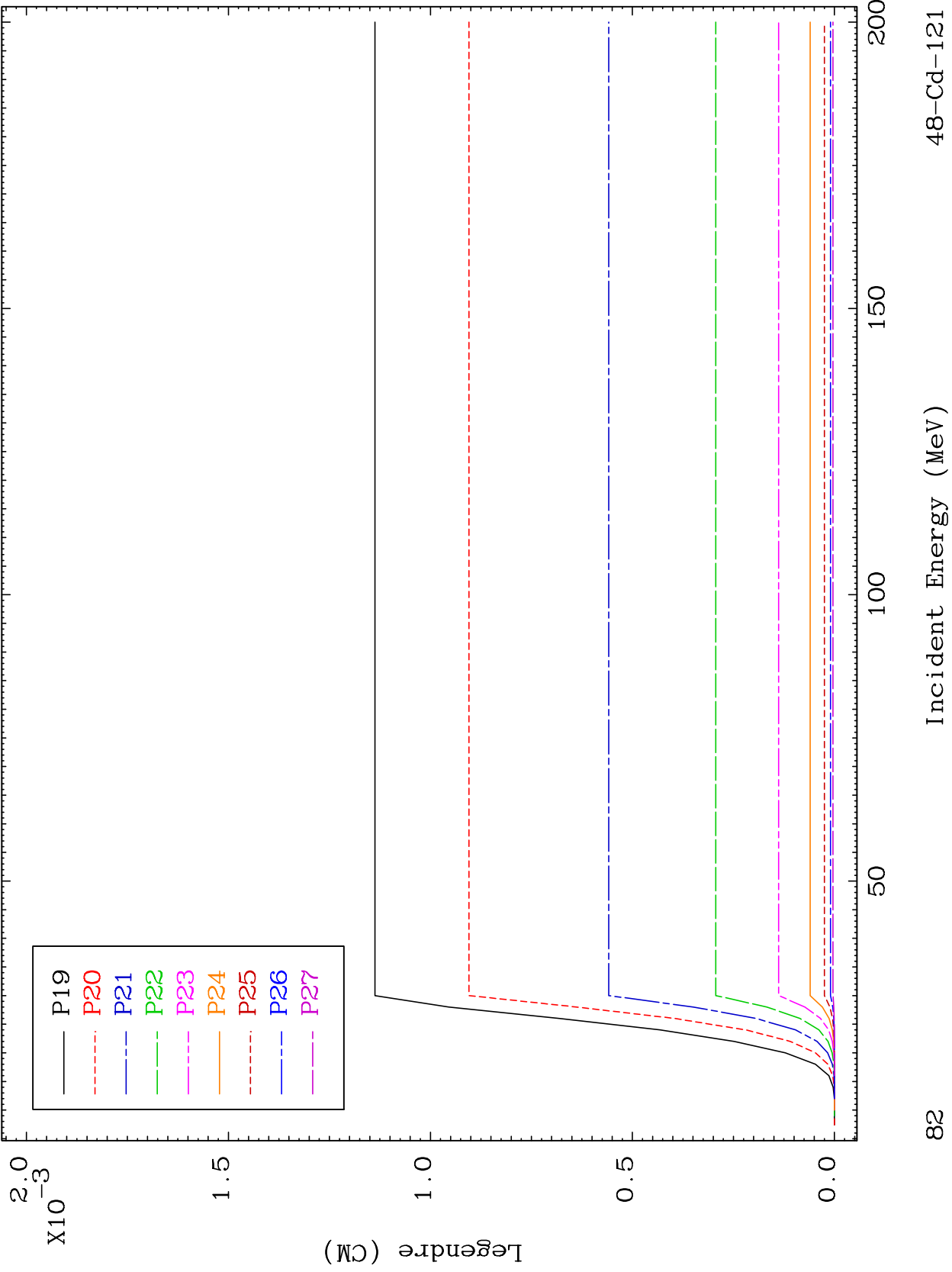
Incident Energy (MeV)

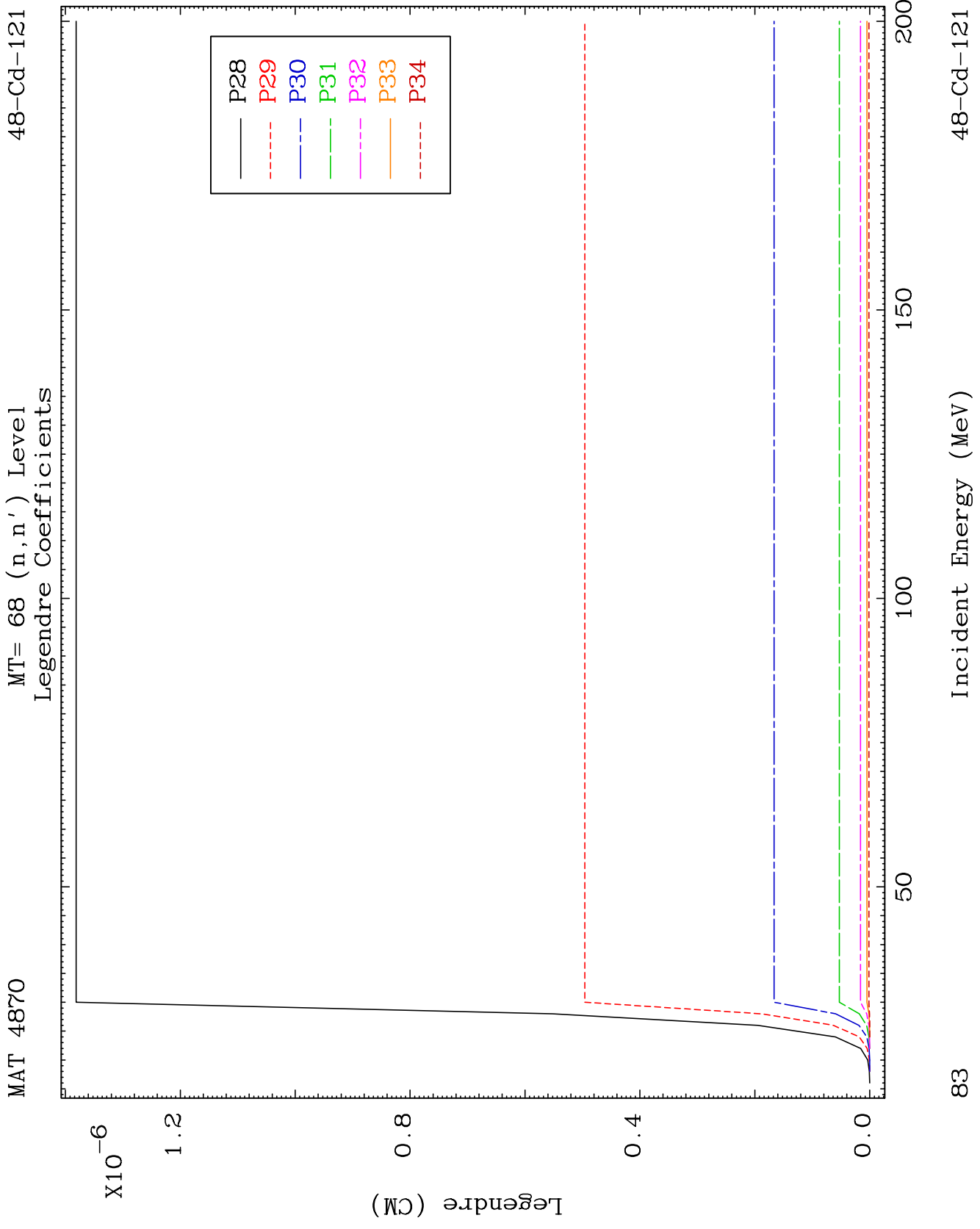
48-Cd-121

MAT 4870

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

48-Cd-121

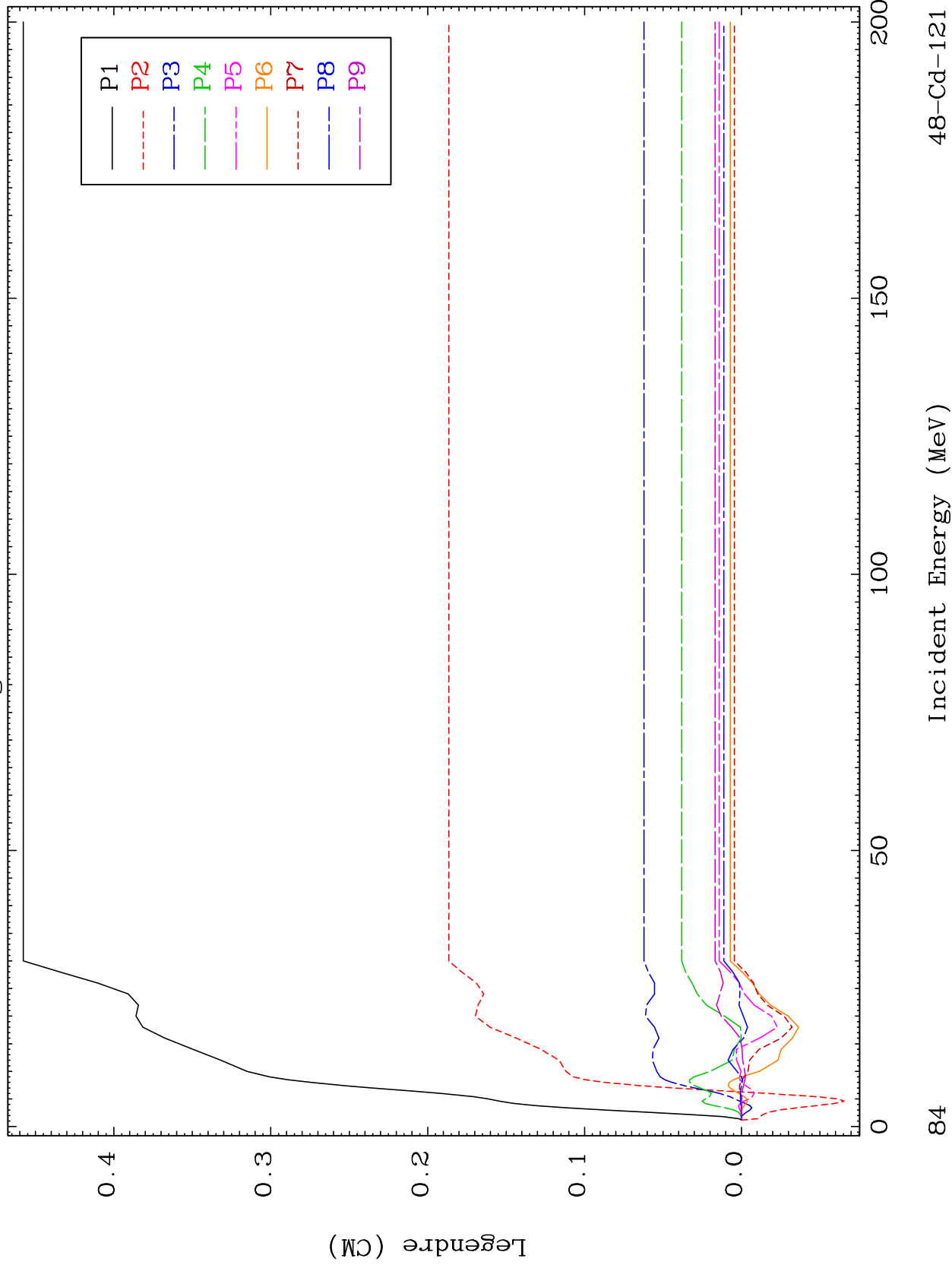




MAT 4870

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

48-Cd-121



48-Cd-121

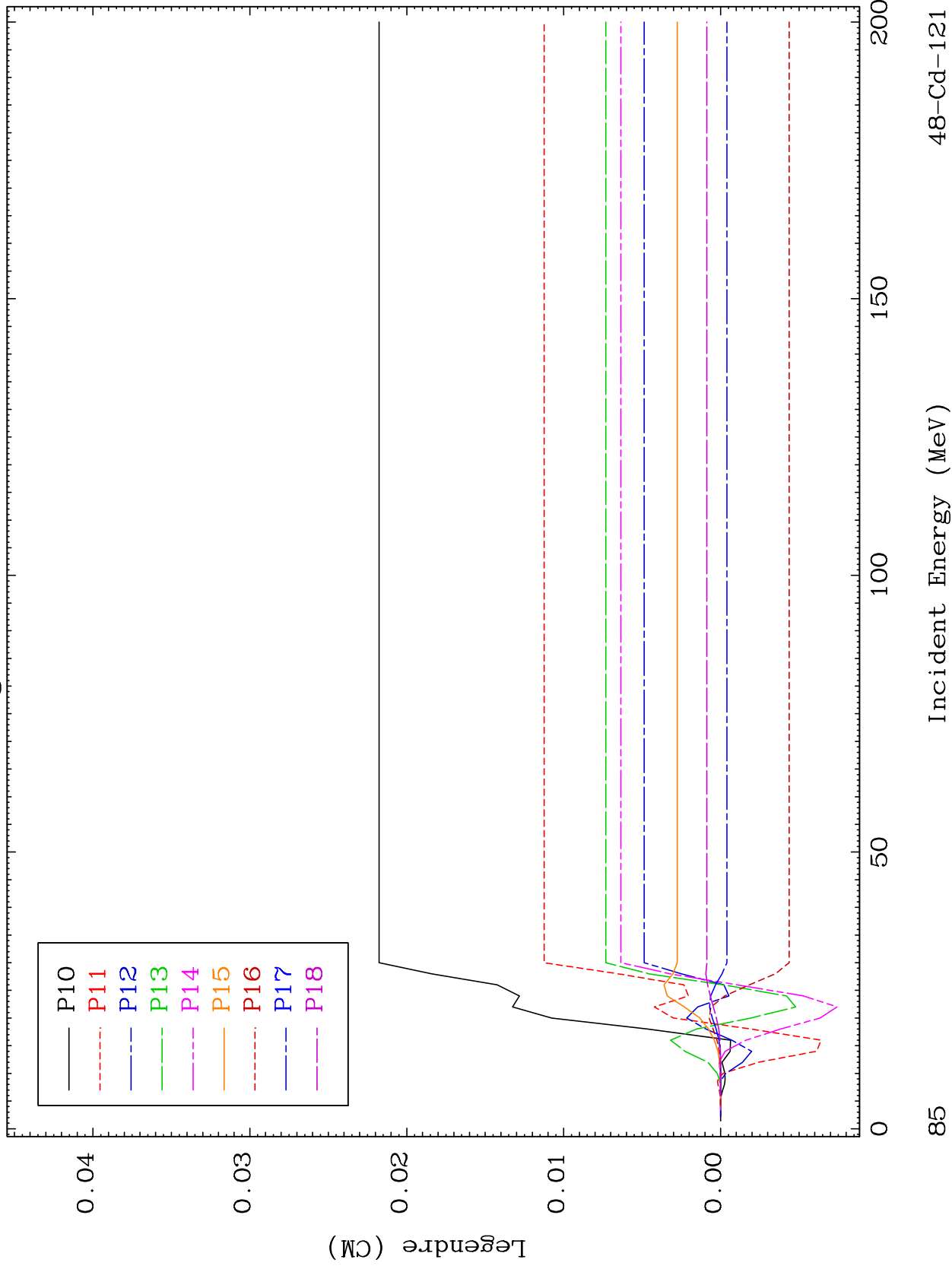
Incident Energy (MeV)

84

MAT 4870

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

48-Cd-121



48-Cd-121

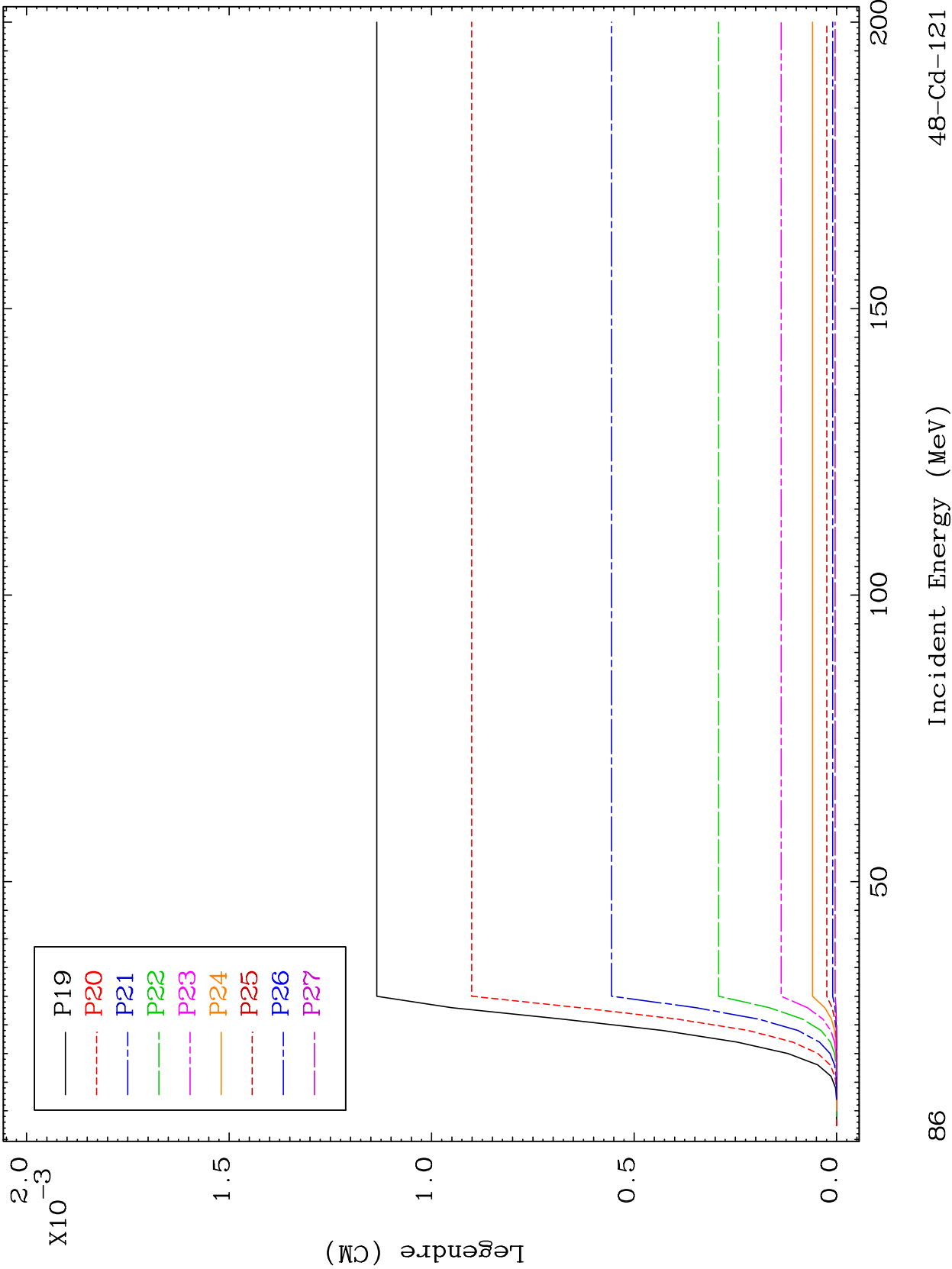
Incident Energy (MeV)

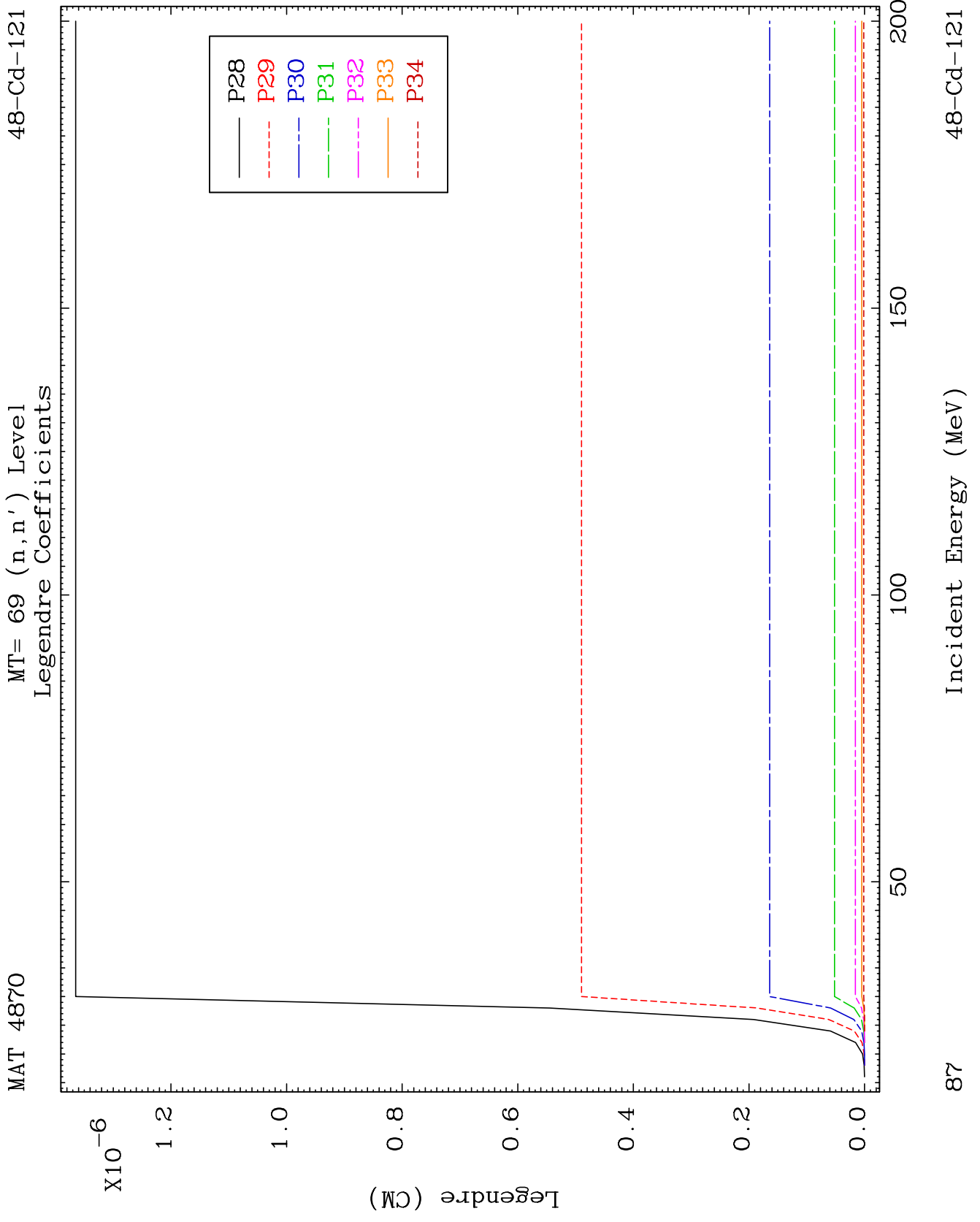
85

MAT 4870

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

48-Cd-121





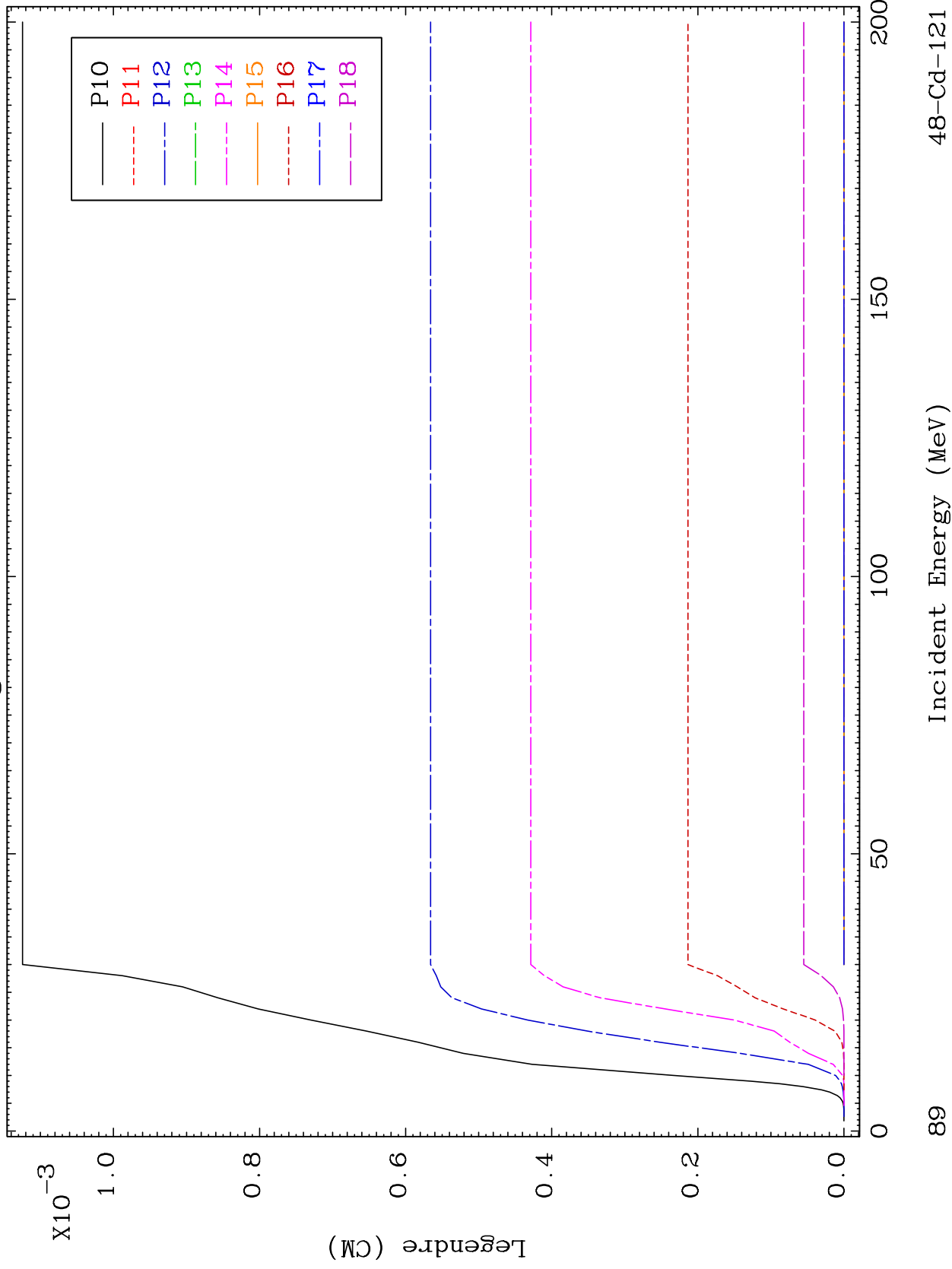


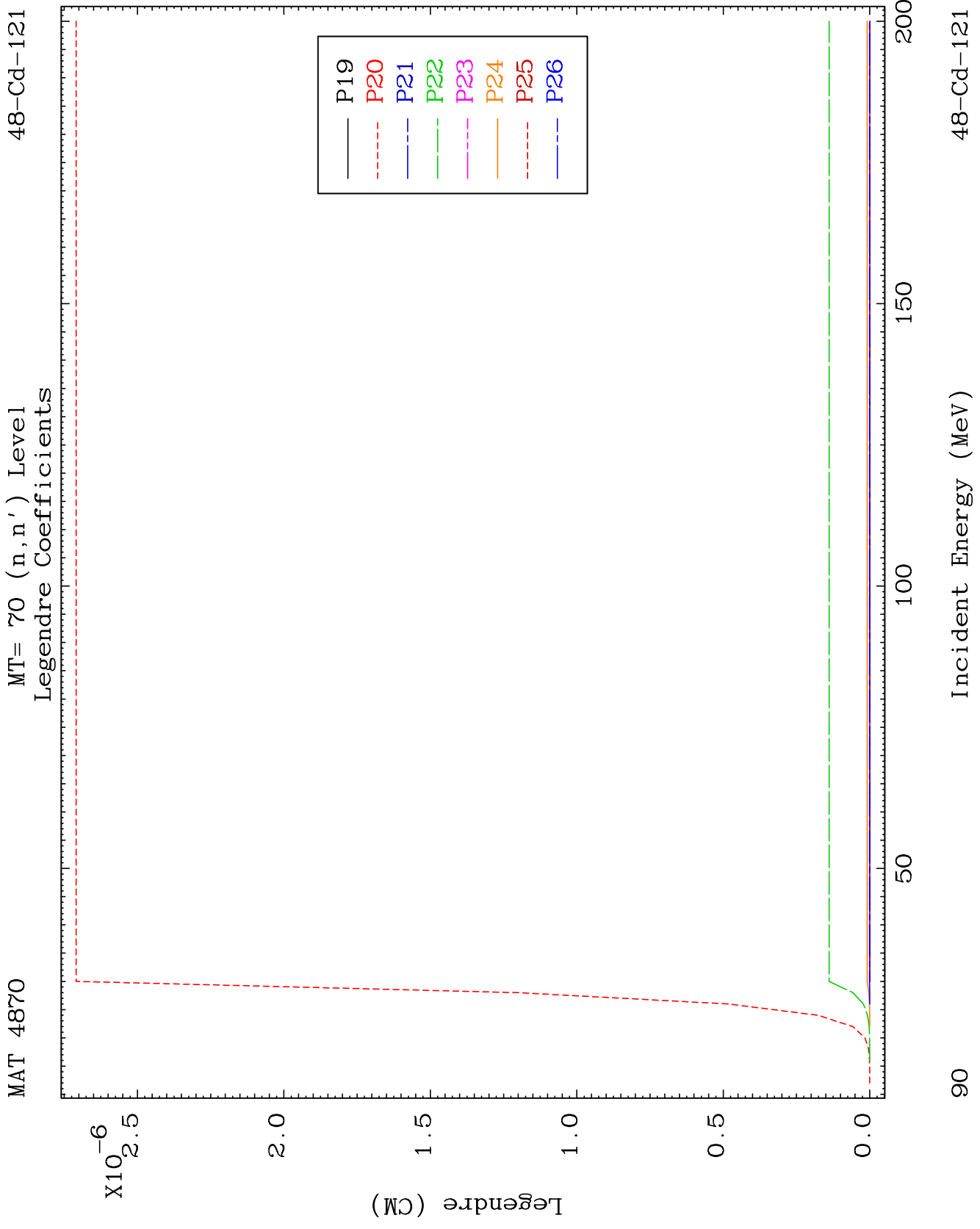


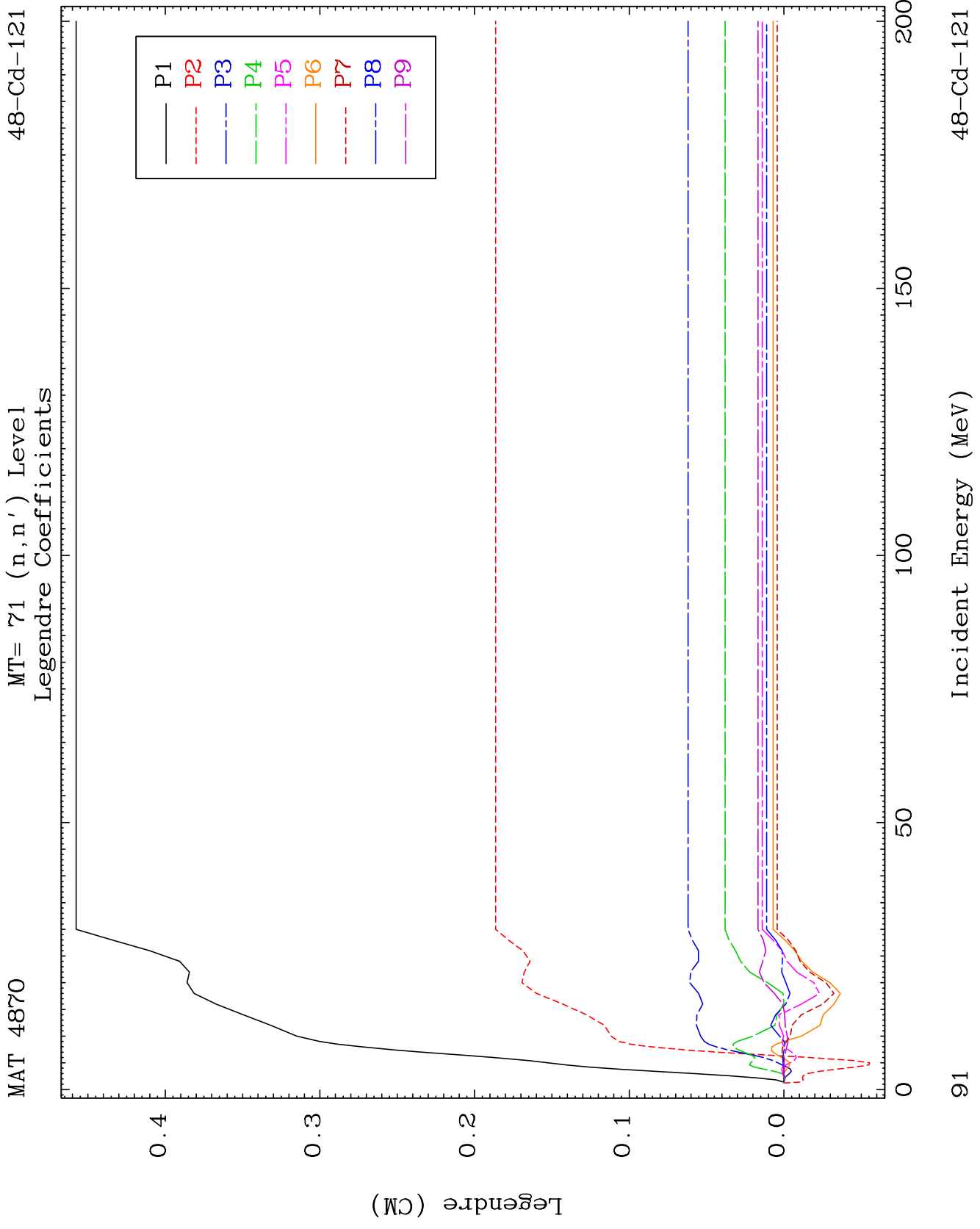
MAT 4870

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

48-Cd-121



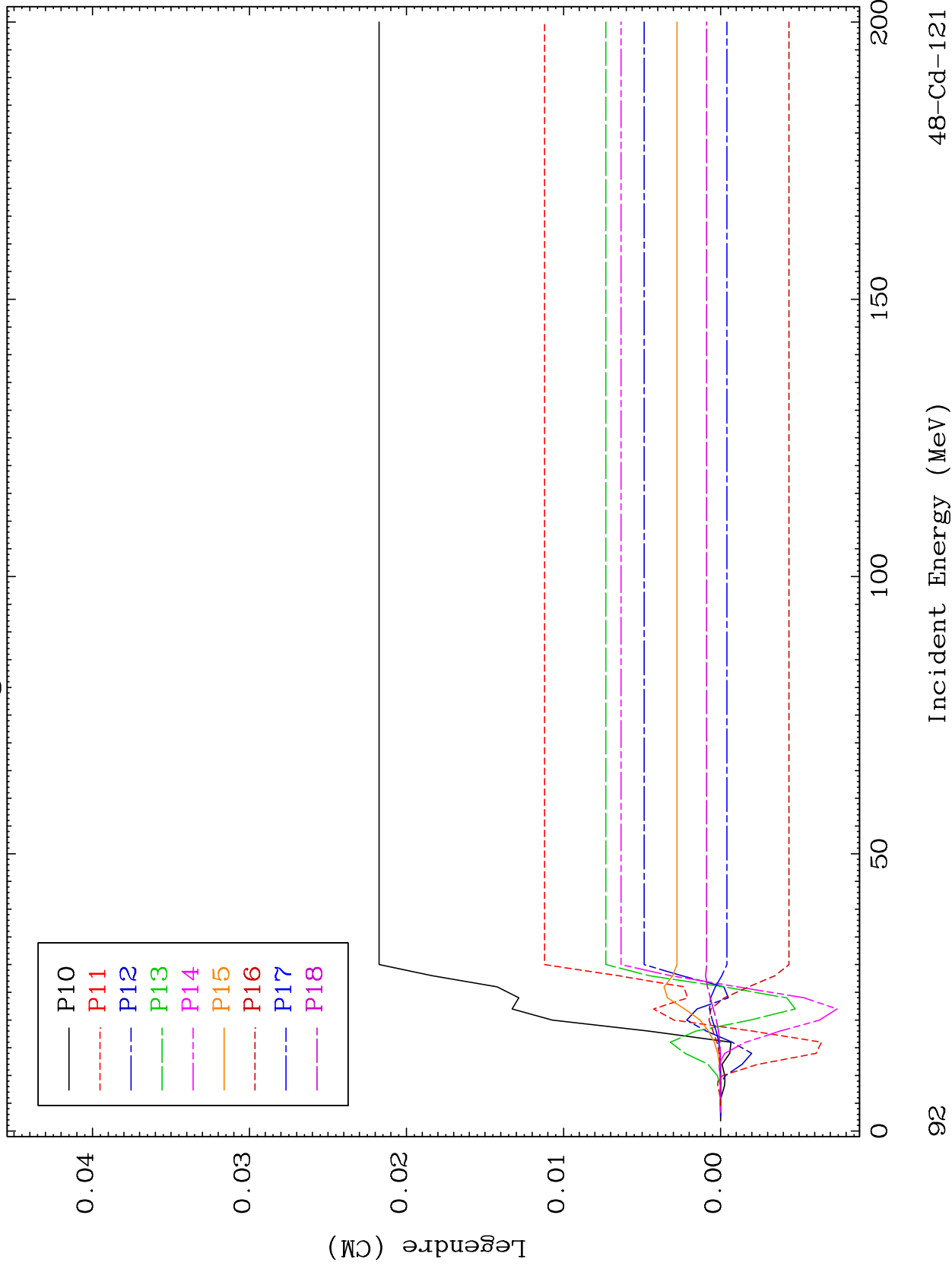




MAT 4870

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

48-Cd-121



92

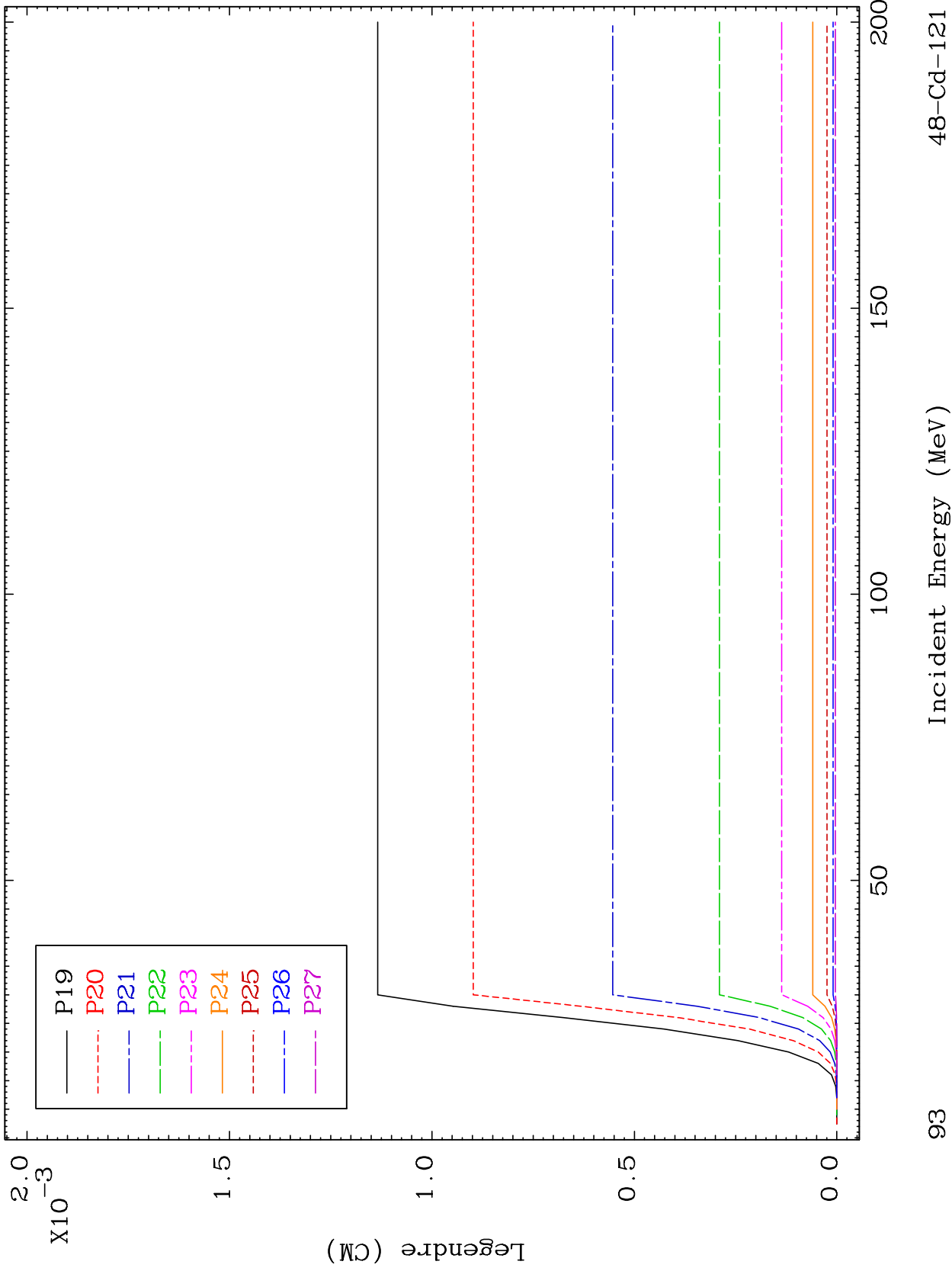
Incident Energy (MeV)

48-Cd-121

MAT 4870

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

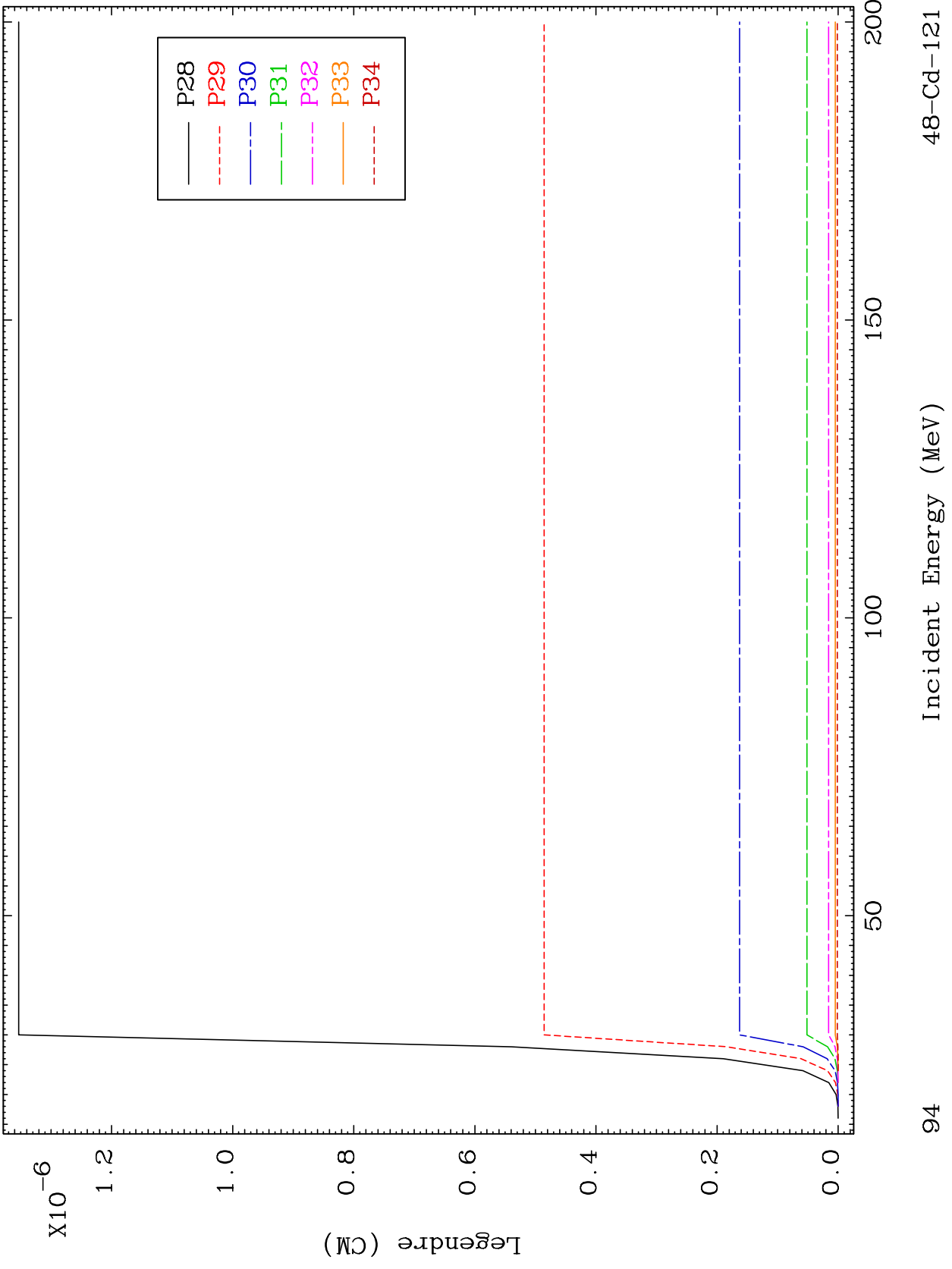
48-Cd-121



MAT 4870

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

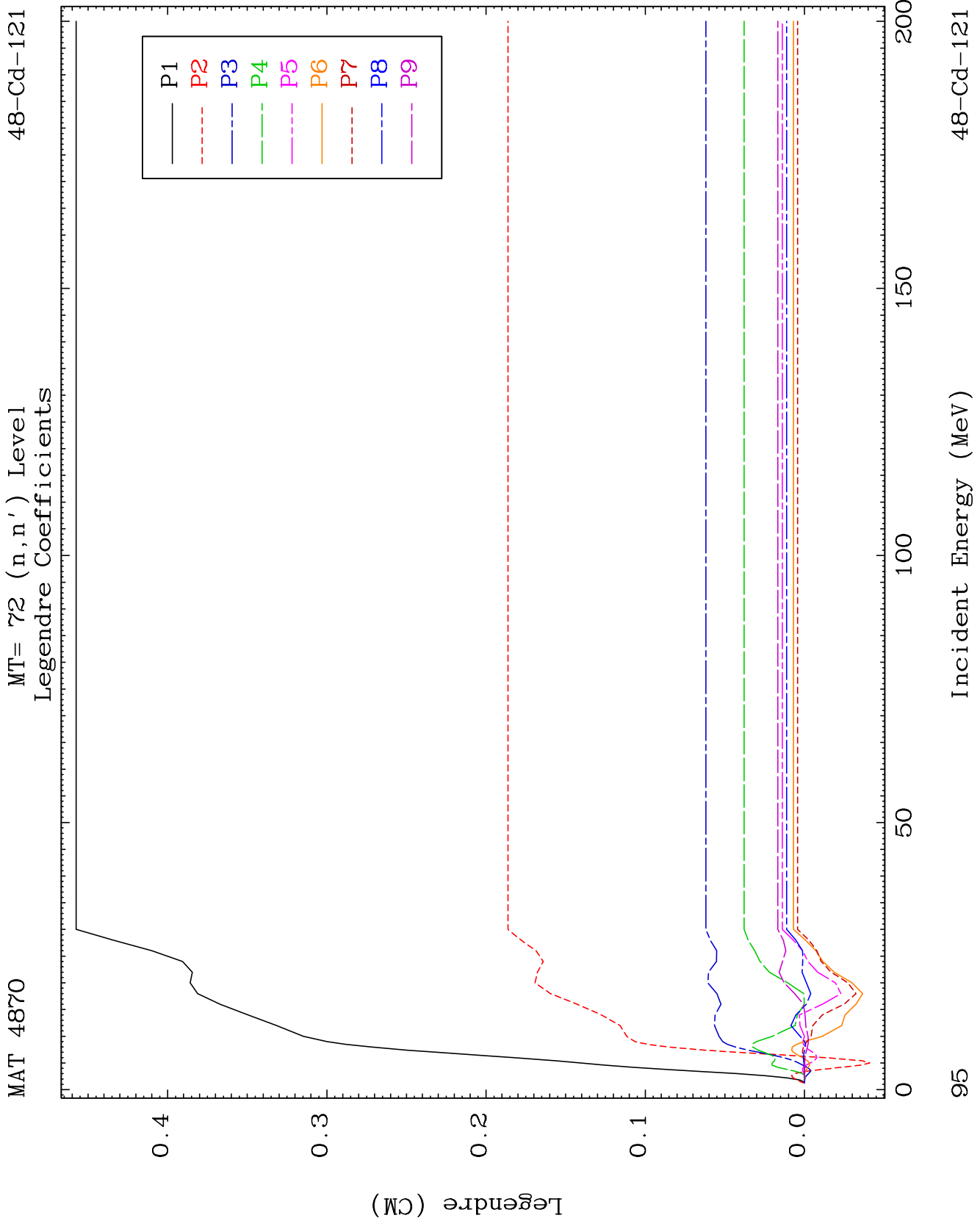
48-Cd-121



94

Incident Energy (MeV)

48-Cd-121

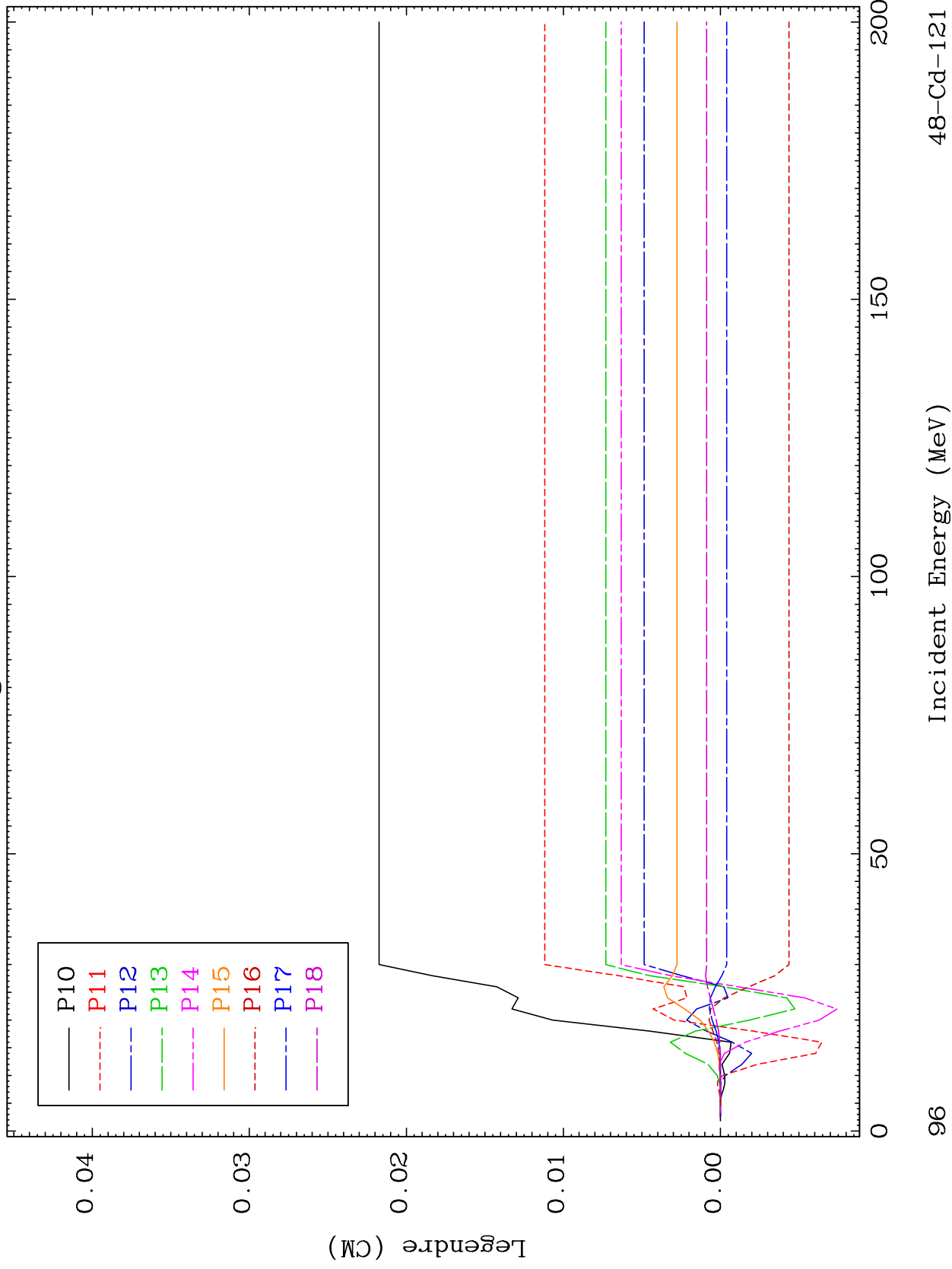




MAT 4870

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

48-Cd-121



96

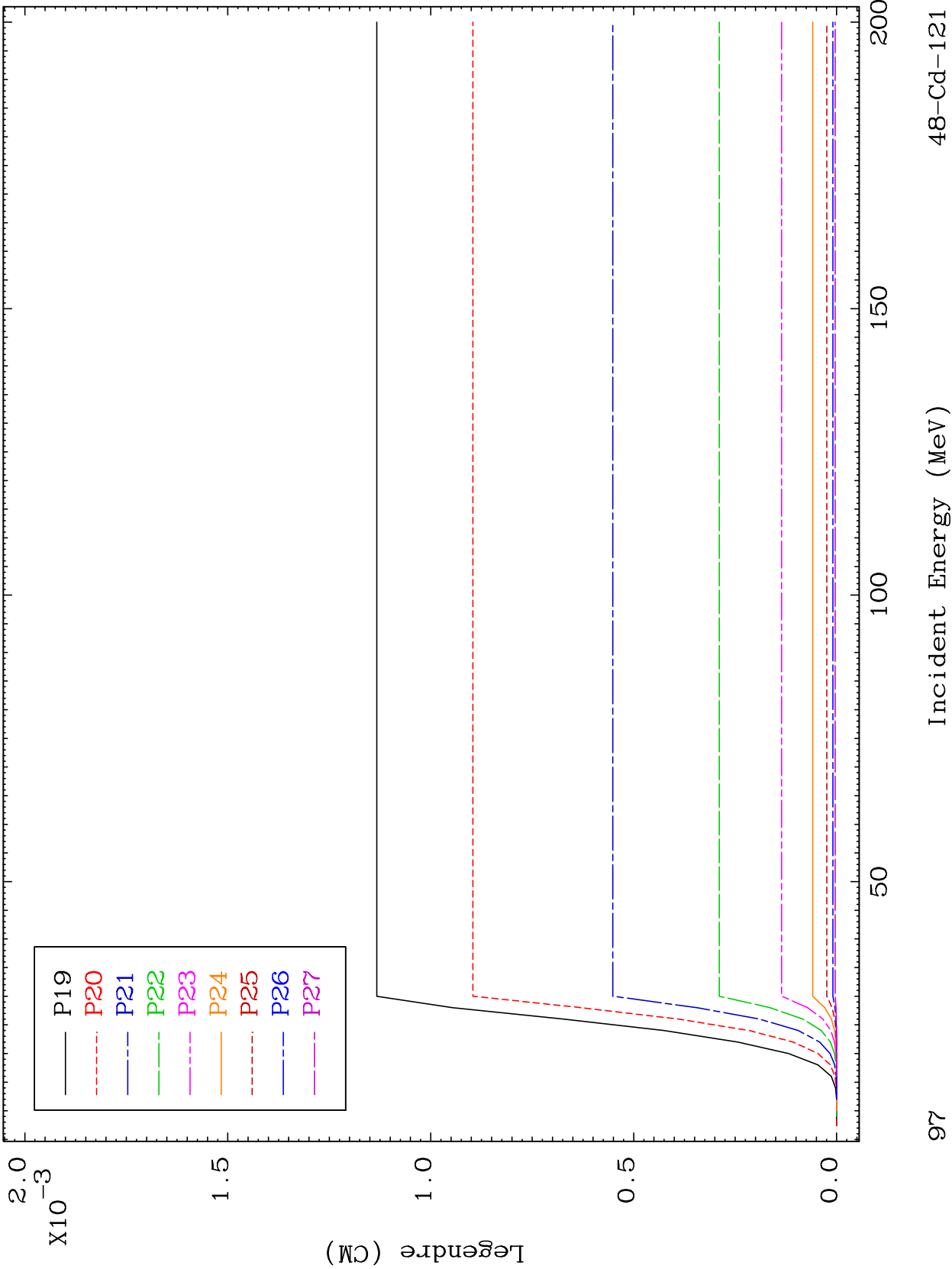
Incident Energy (MeV)

48-Cd-121

MAT 4870

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

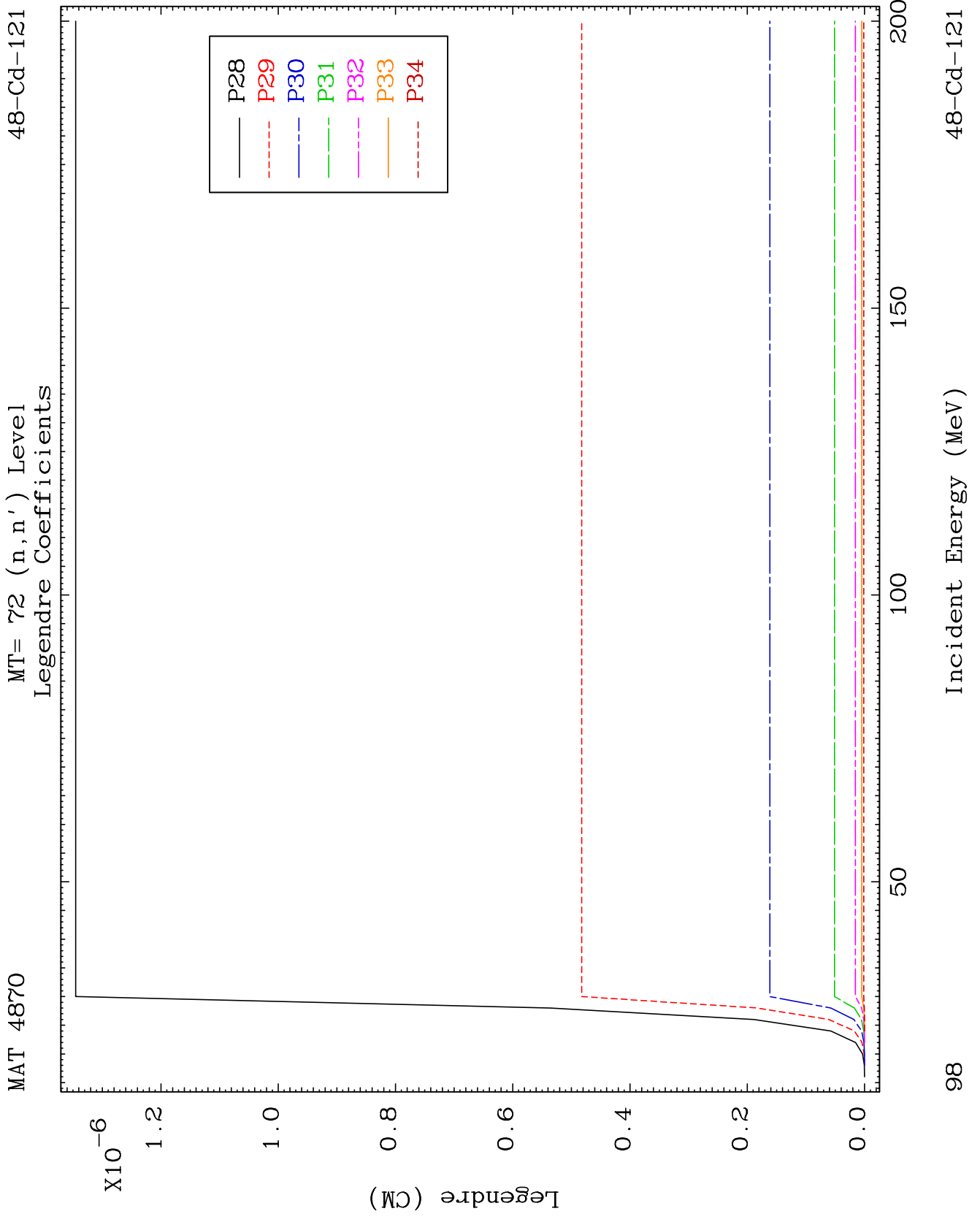
48-Cd-121



97

Incident Energy (MeV)

48-Cd-121

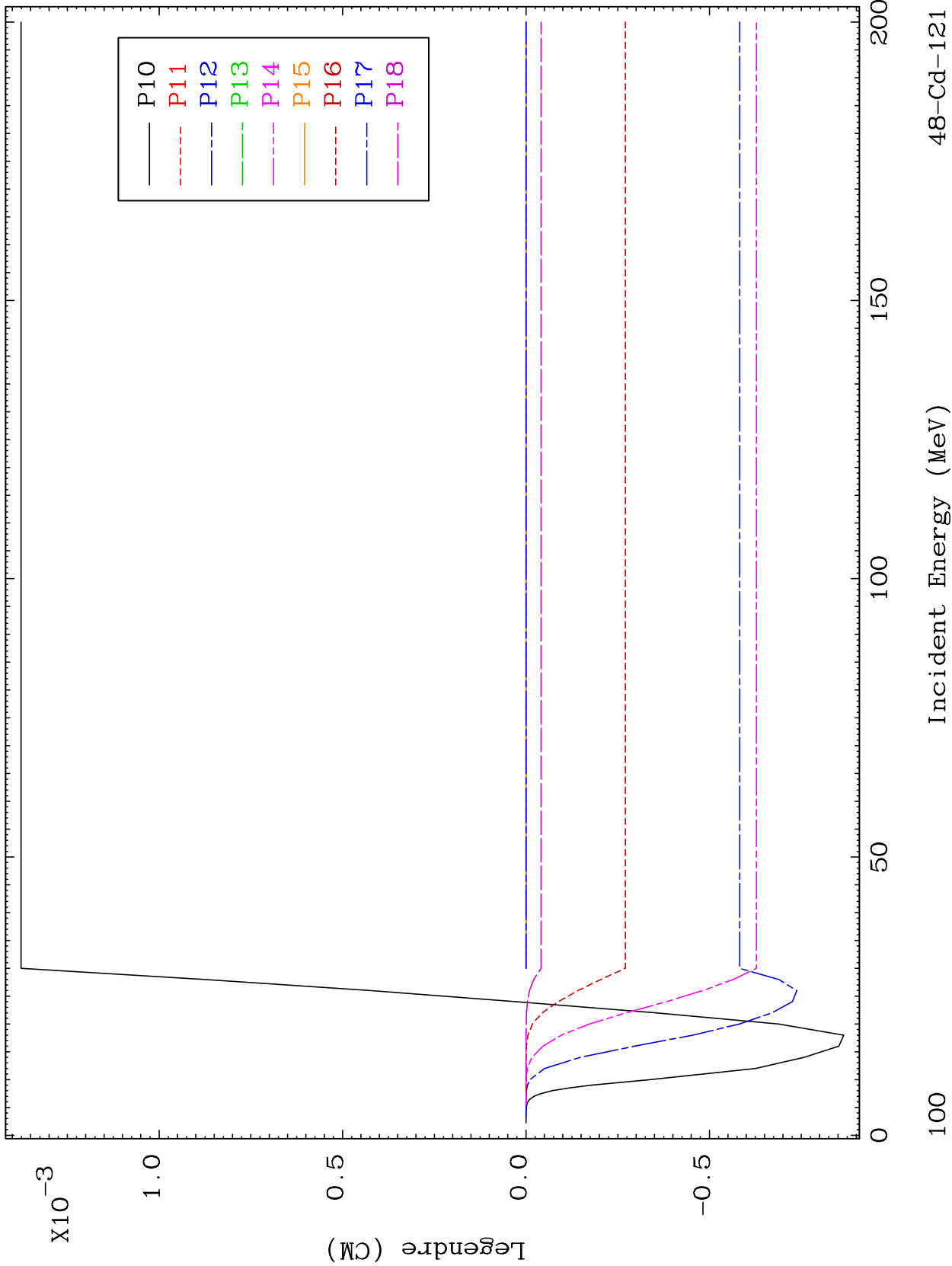




MAT 4870

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

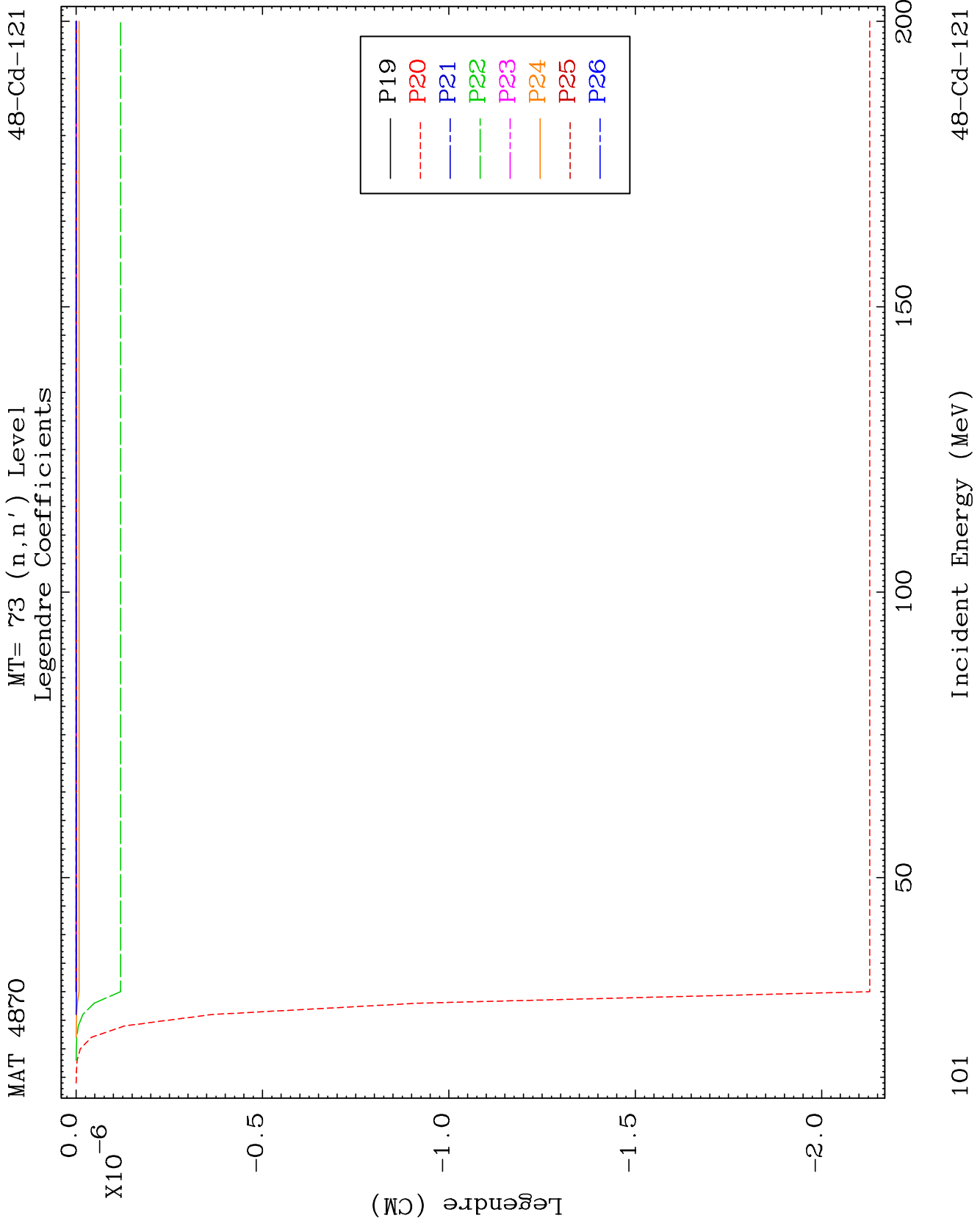
48-Cd-121

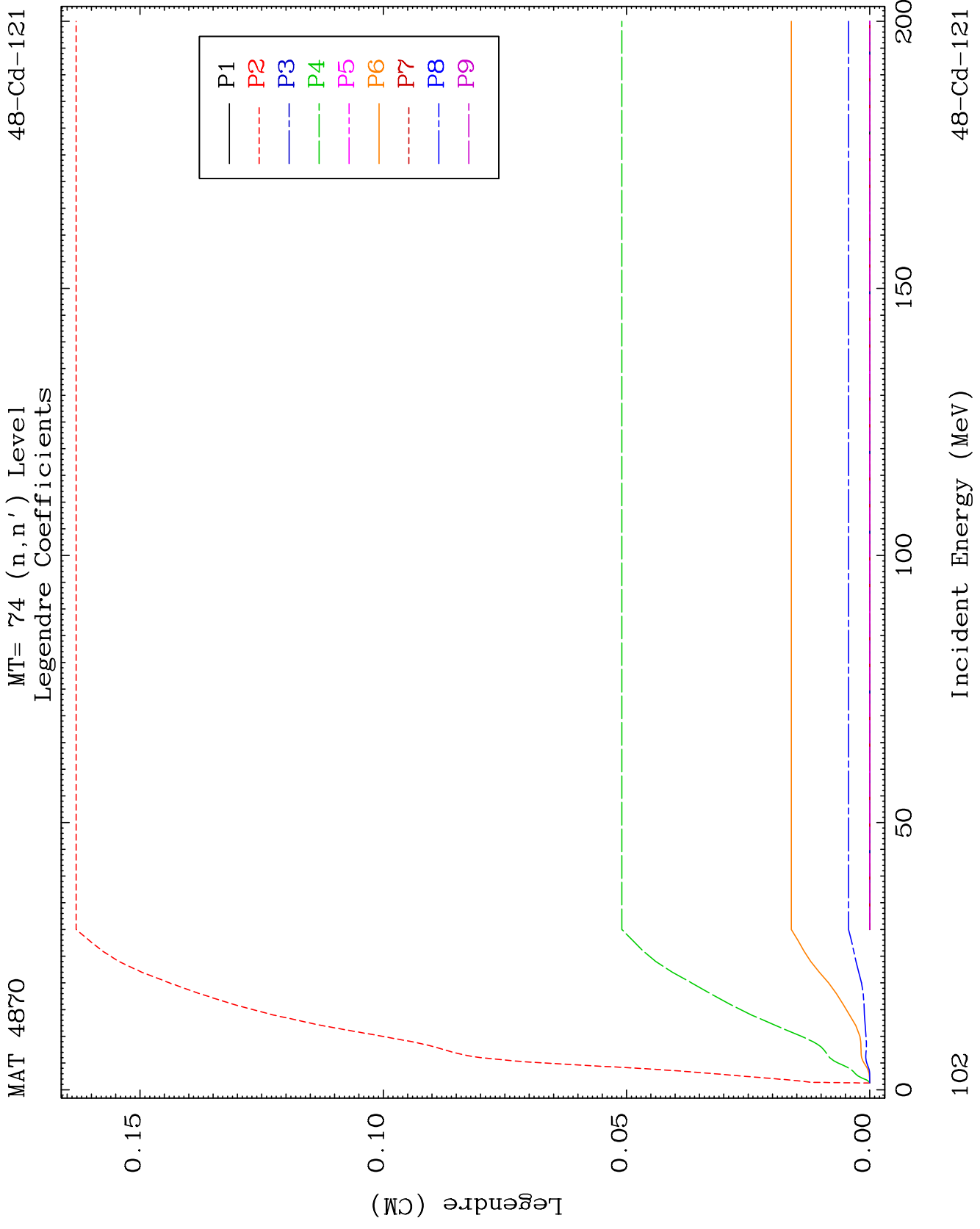


48-Cd-121

Incident Energy (MeV)

100

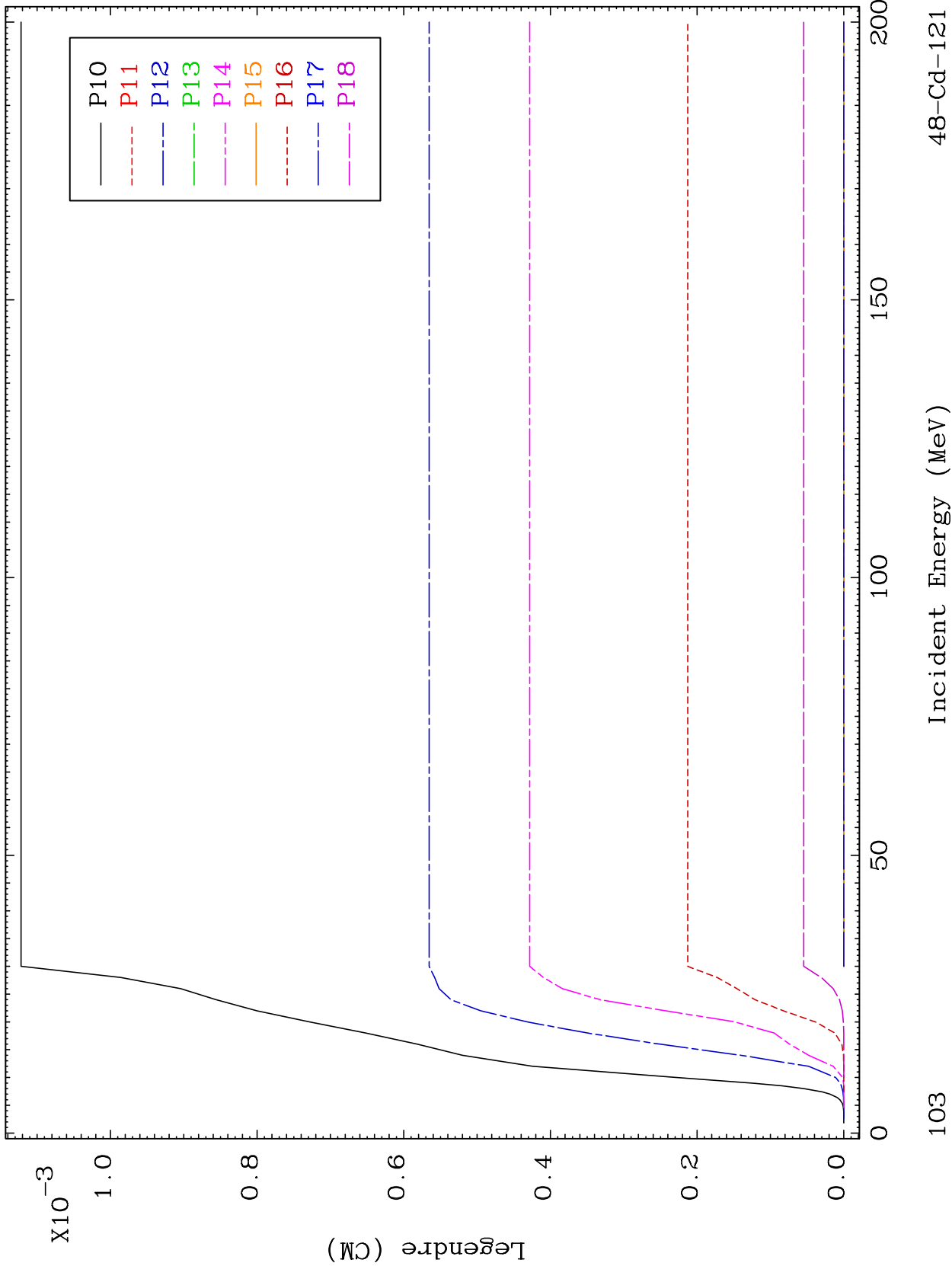




MAT 4870

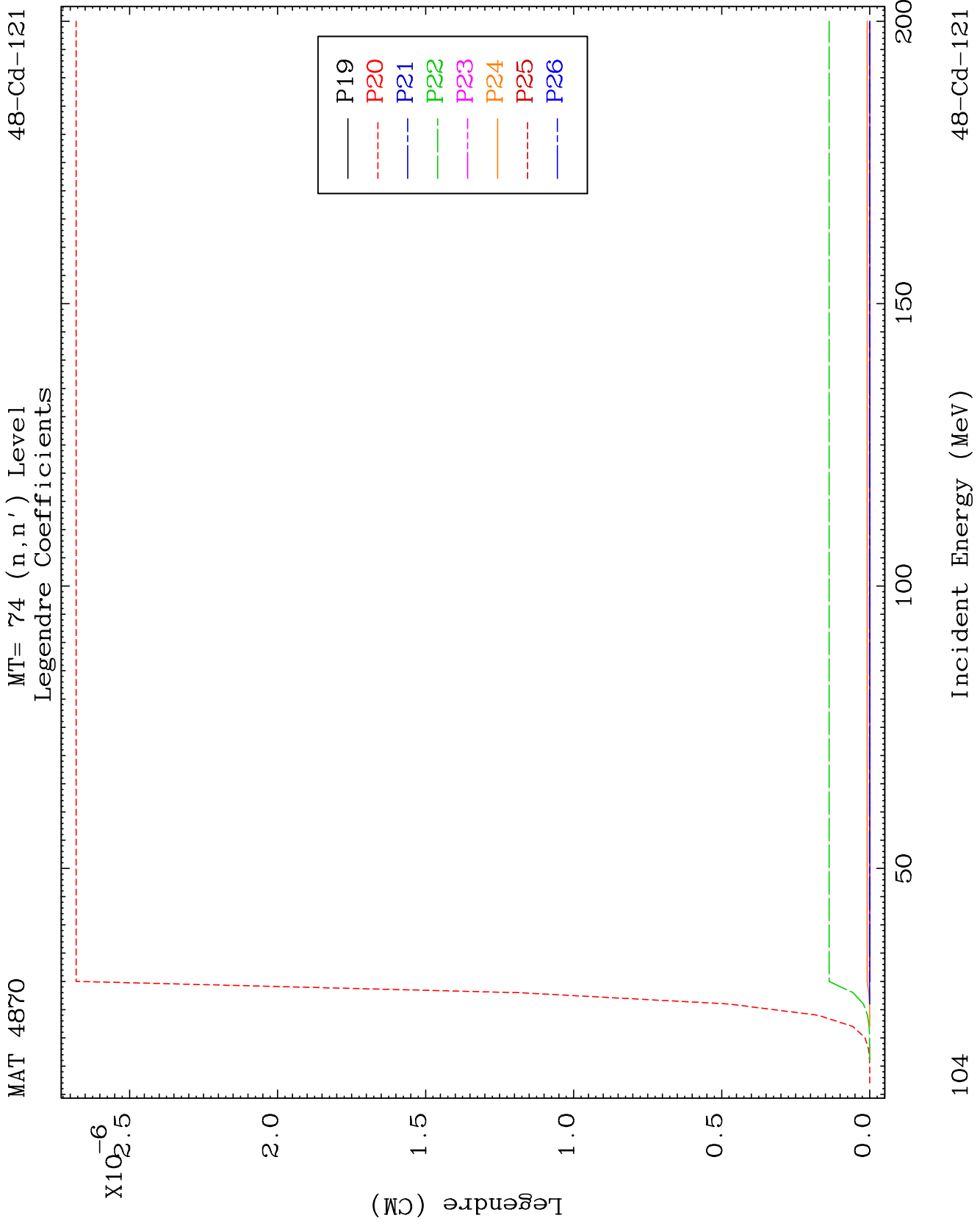
MT= 74 (n,n') Level  
Legendre Coefficients

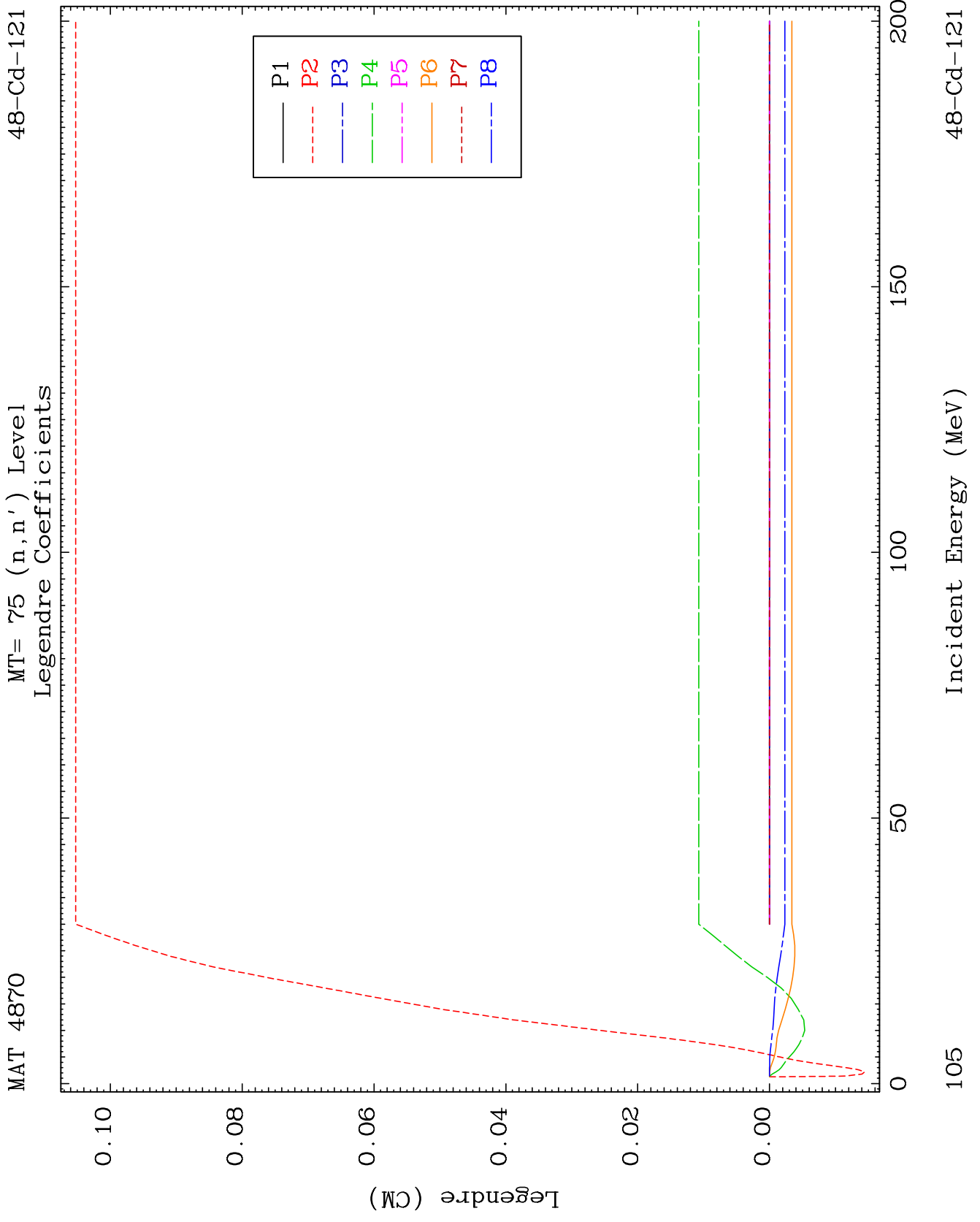
48-Cd-121

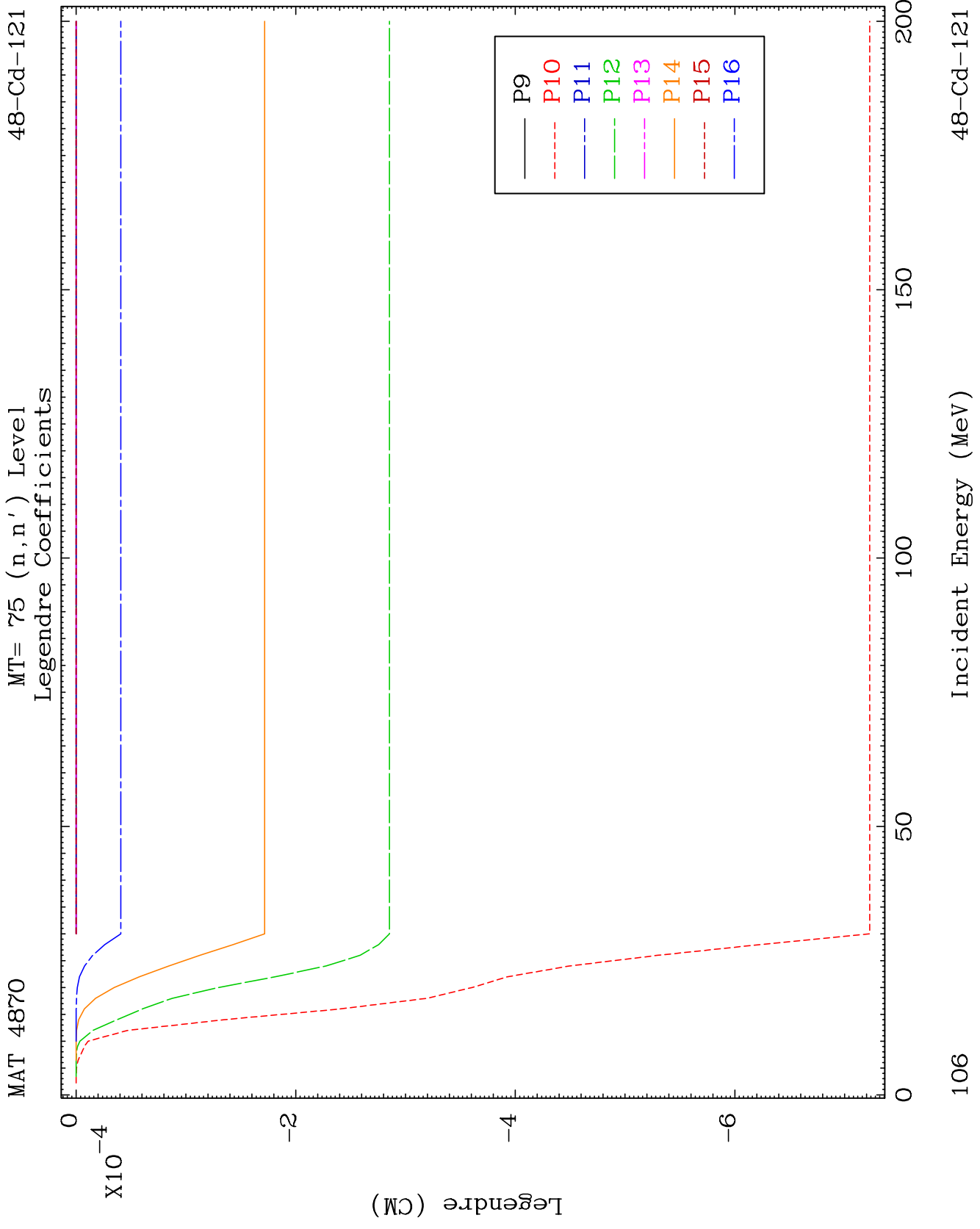


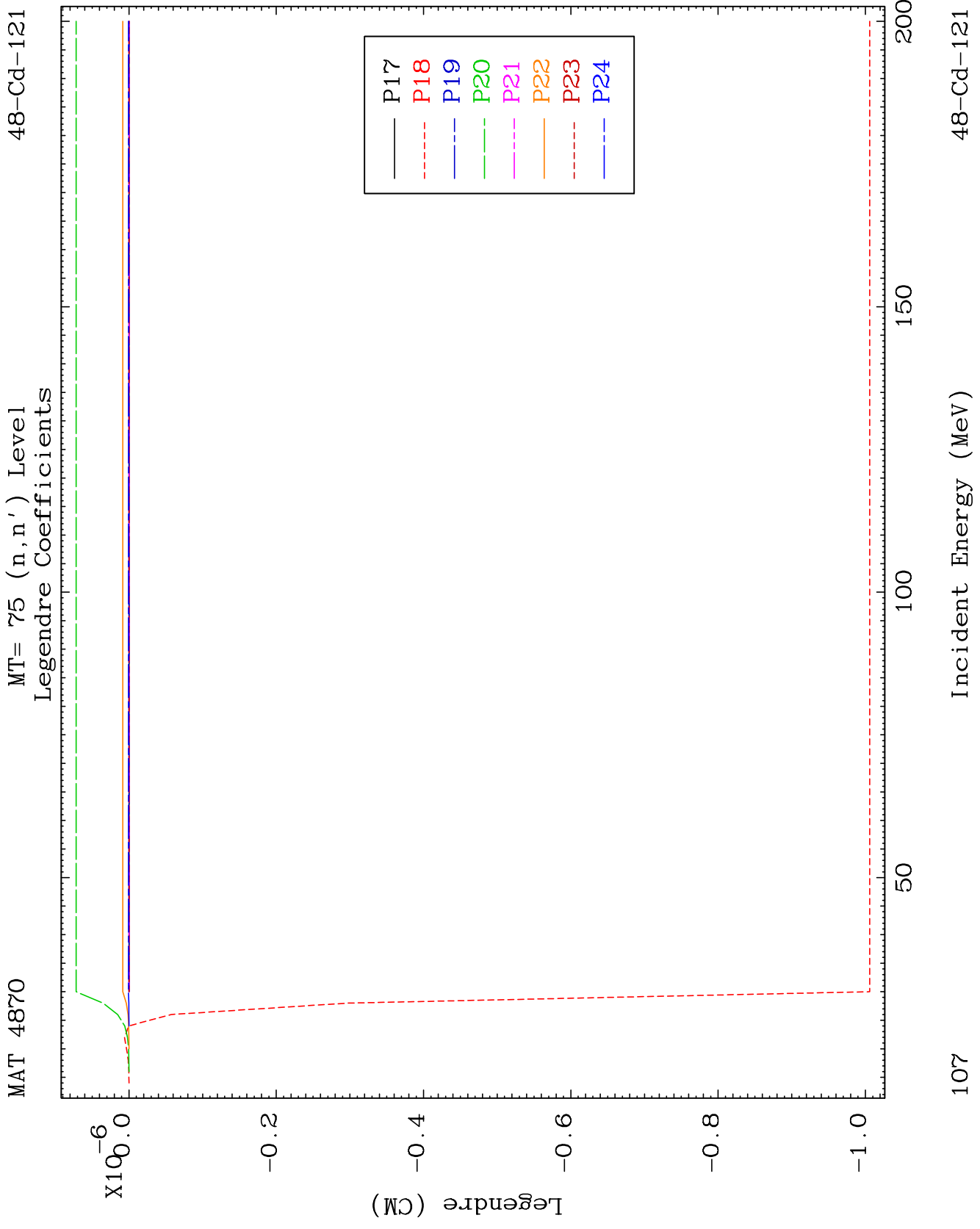
103







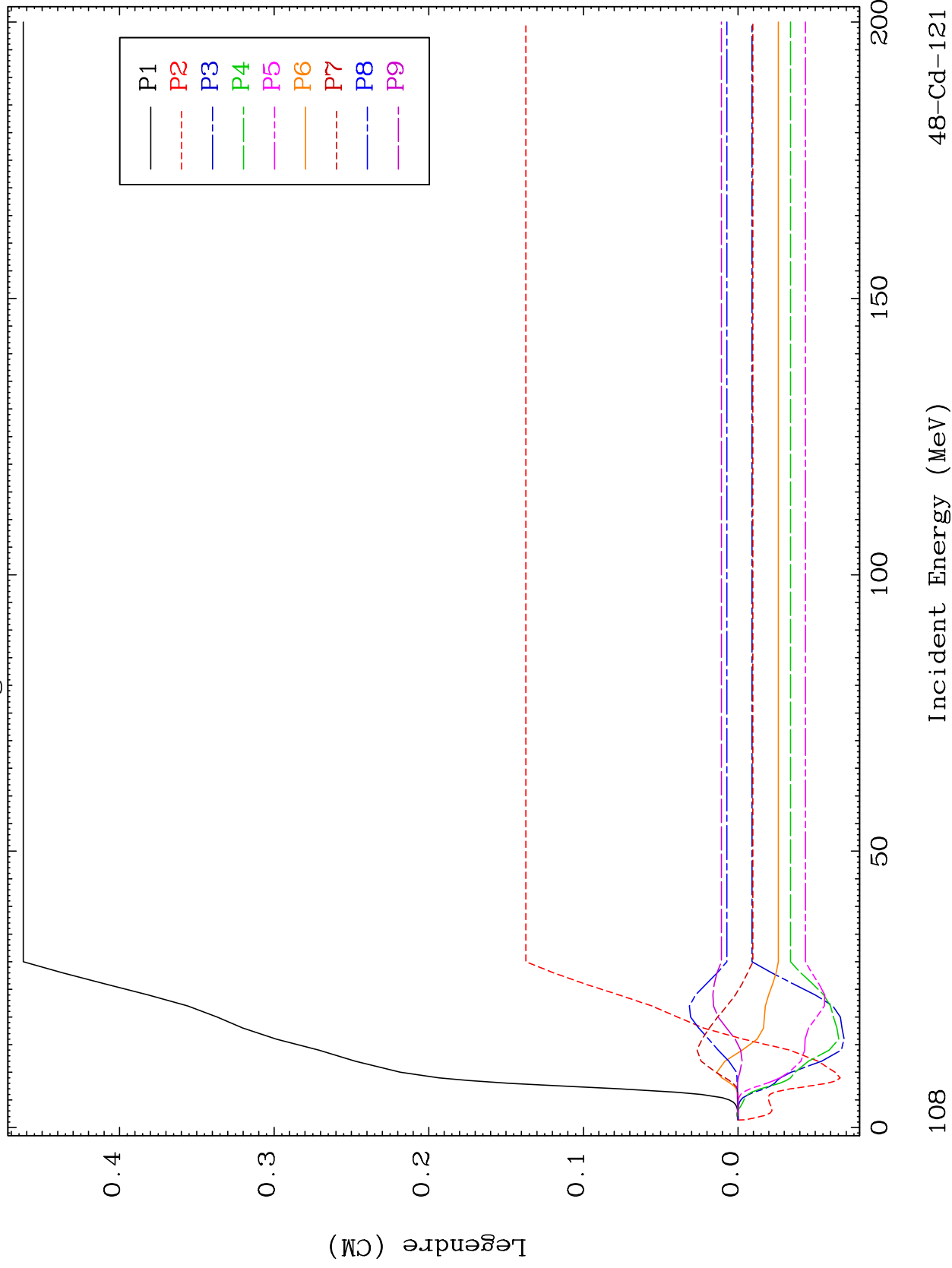




MAT 4870

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

48-Cd-121



48-Cd-121

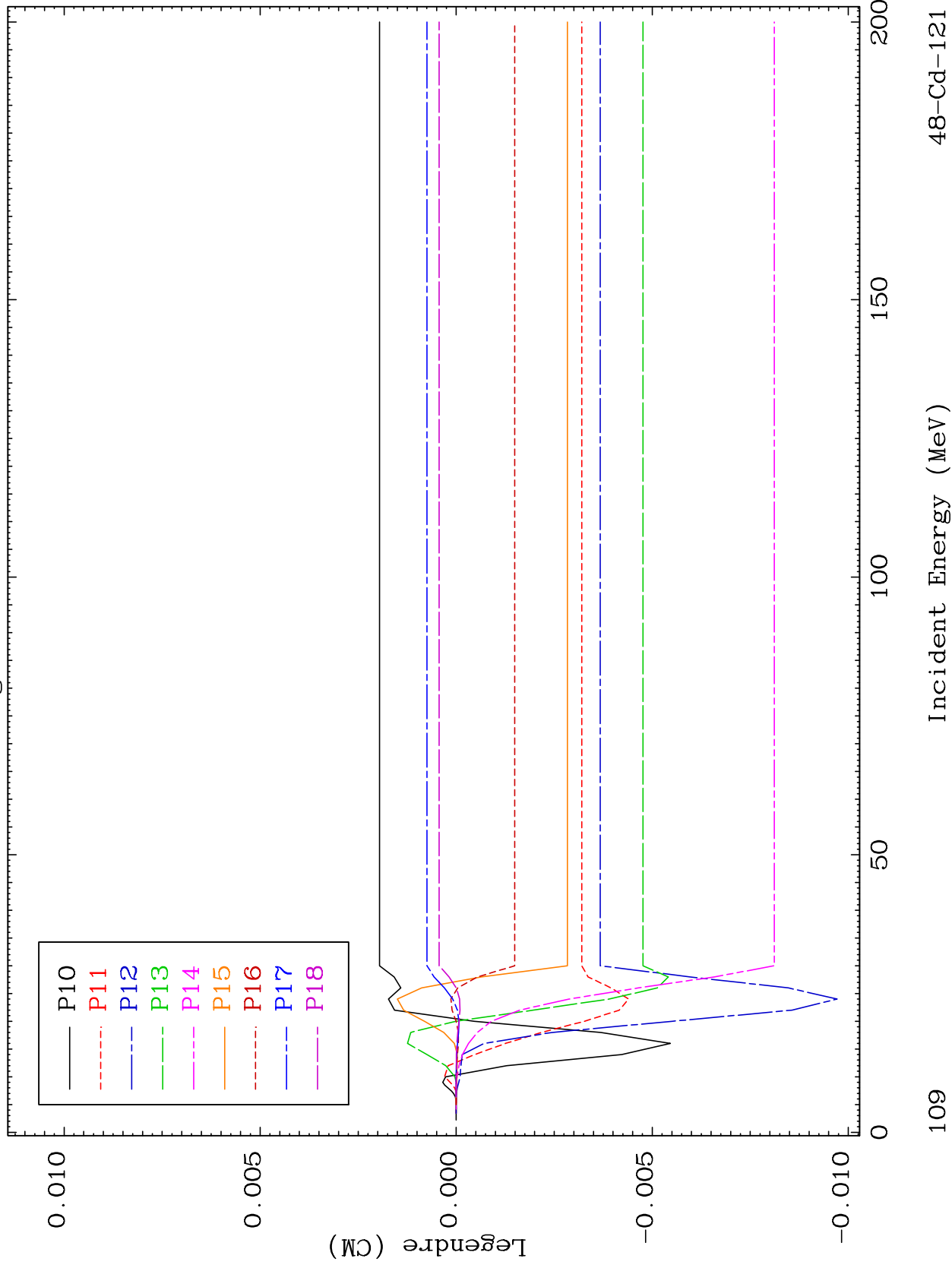
Incident Energy (MeV)

108

MAT 4870

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

48-Cd-121



109

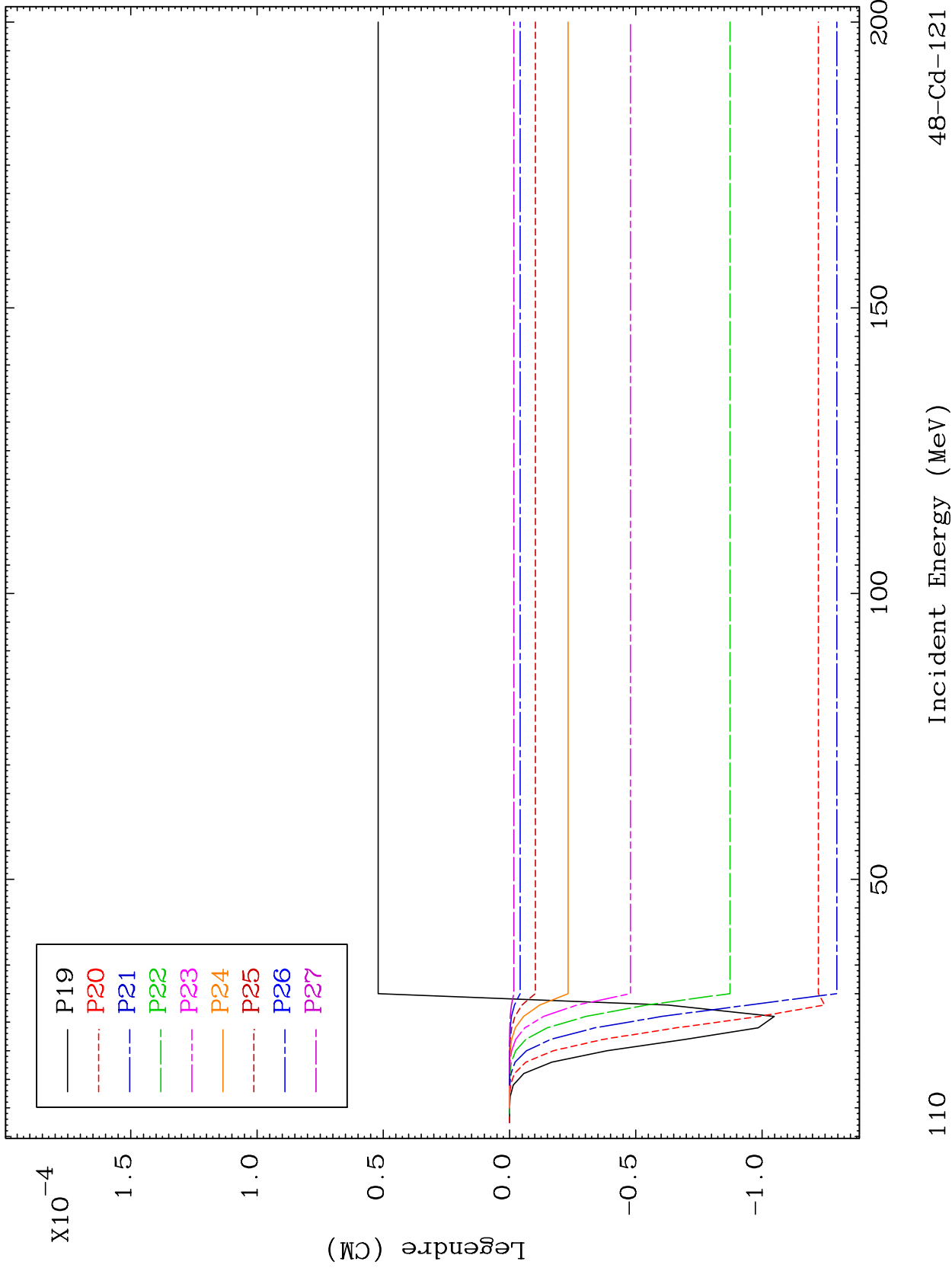
Incident Energy (MeV)

48-Cd-121

MAT 4870

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

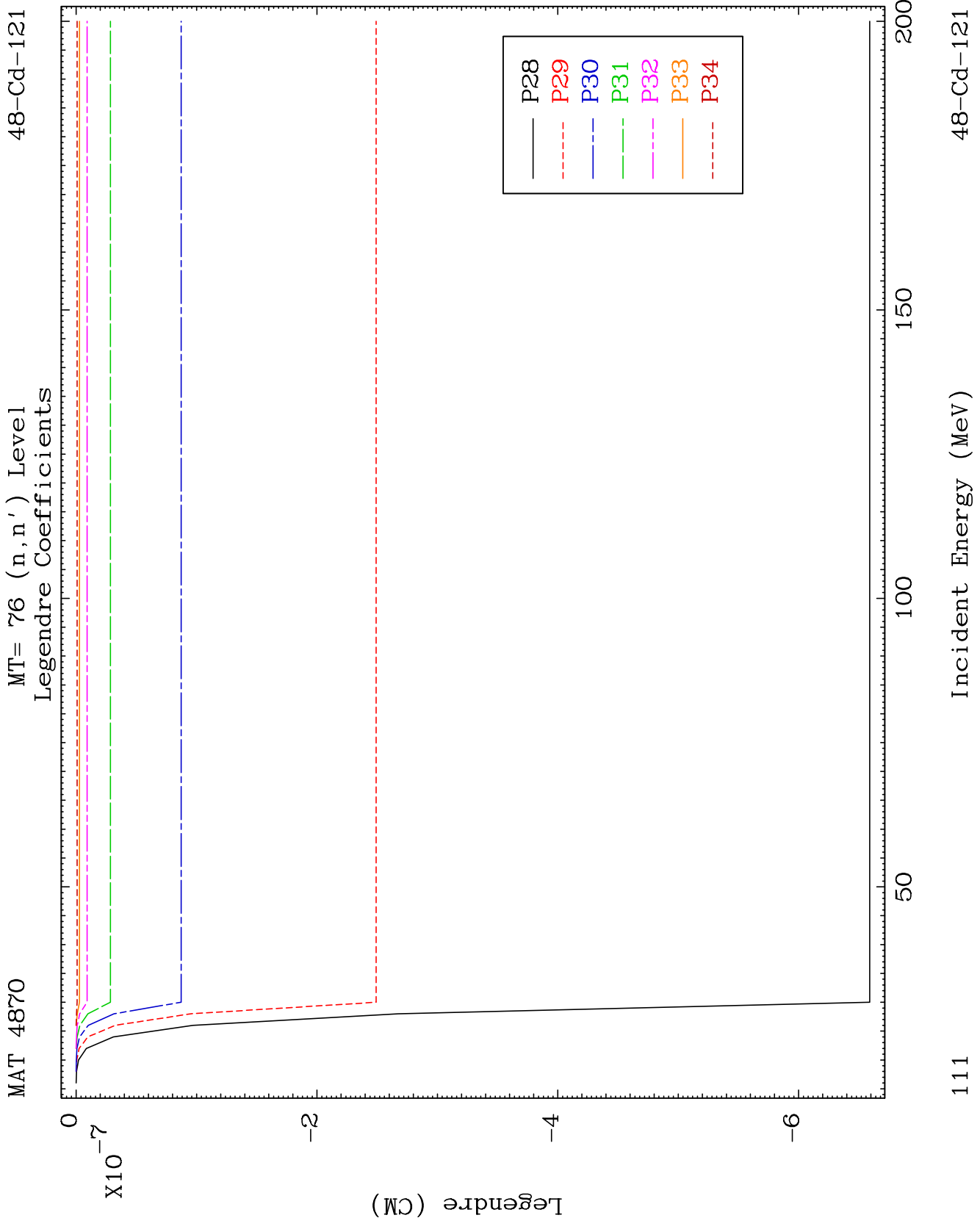
48-Cd-121



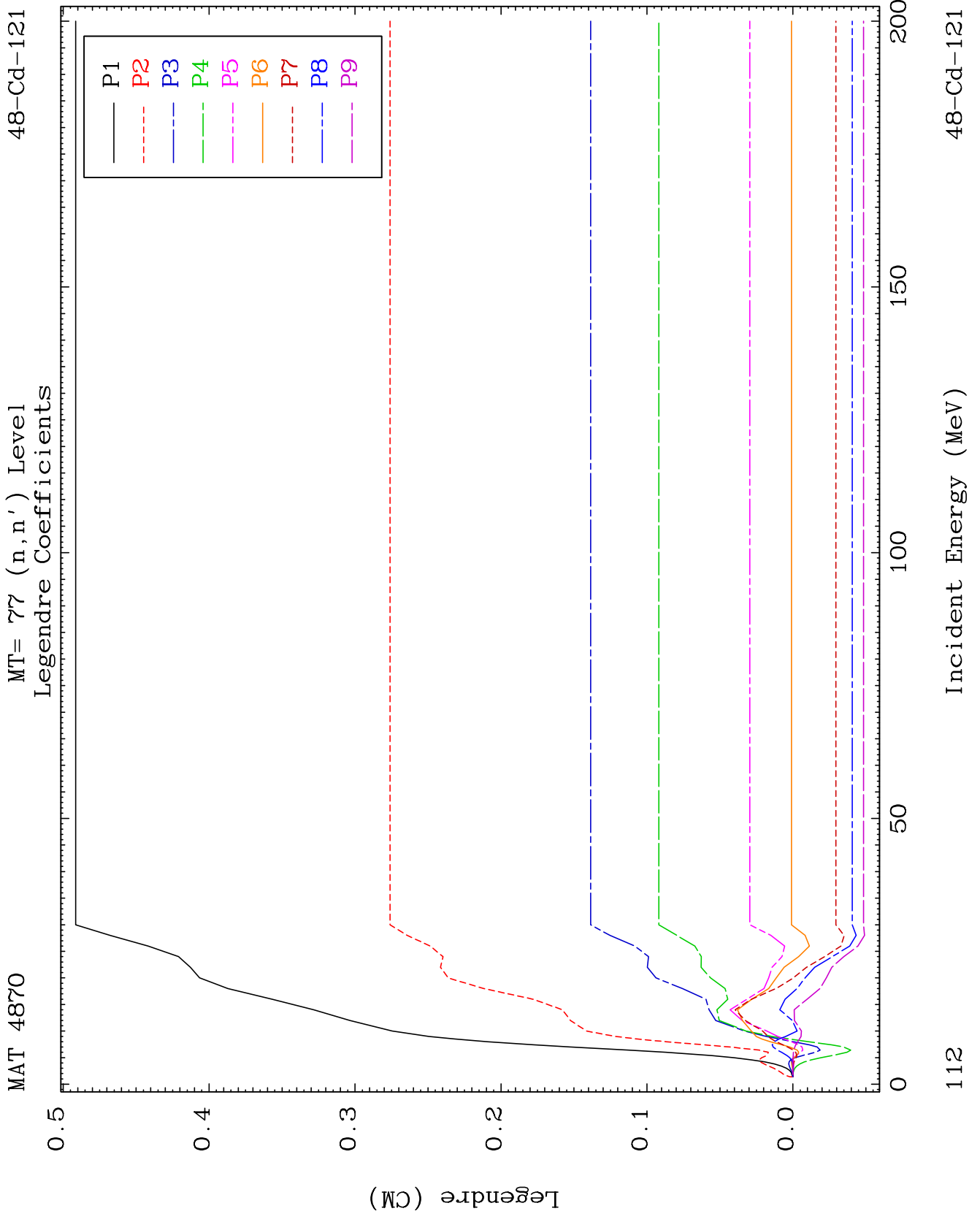
110

Incident Energy (MeV)

48-Cd-121



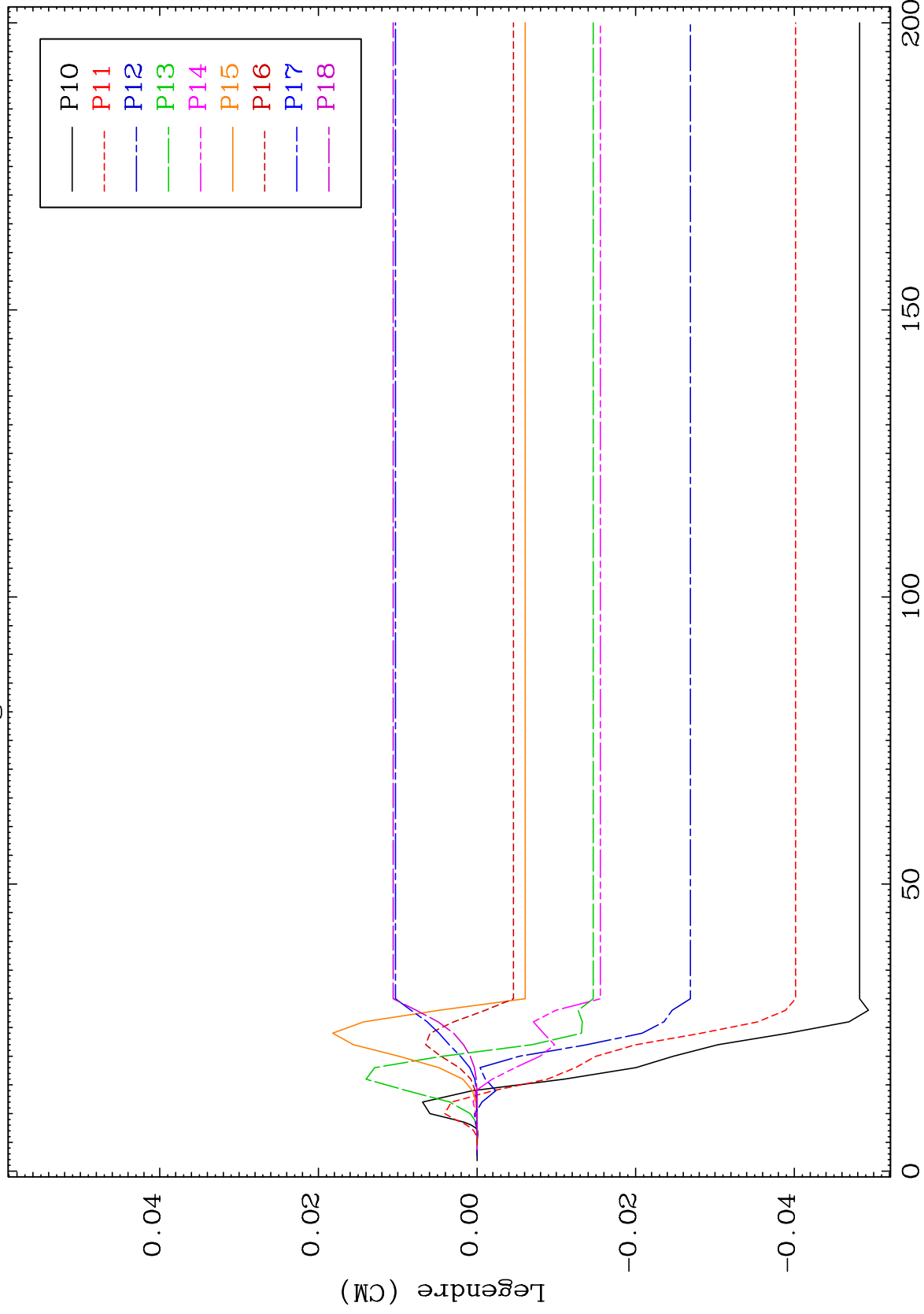




MAT 4870

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

48-Cd-121



113

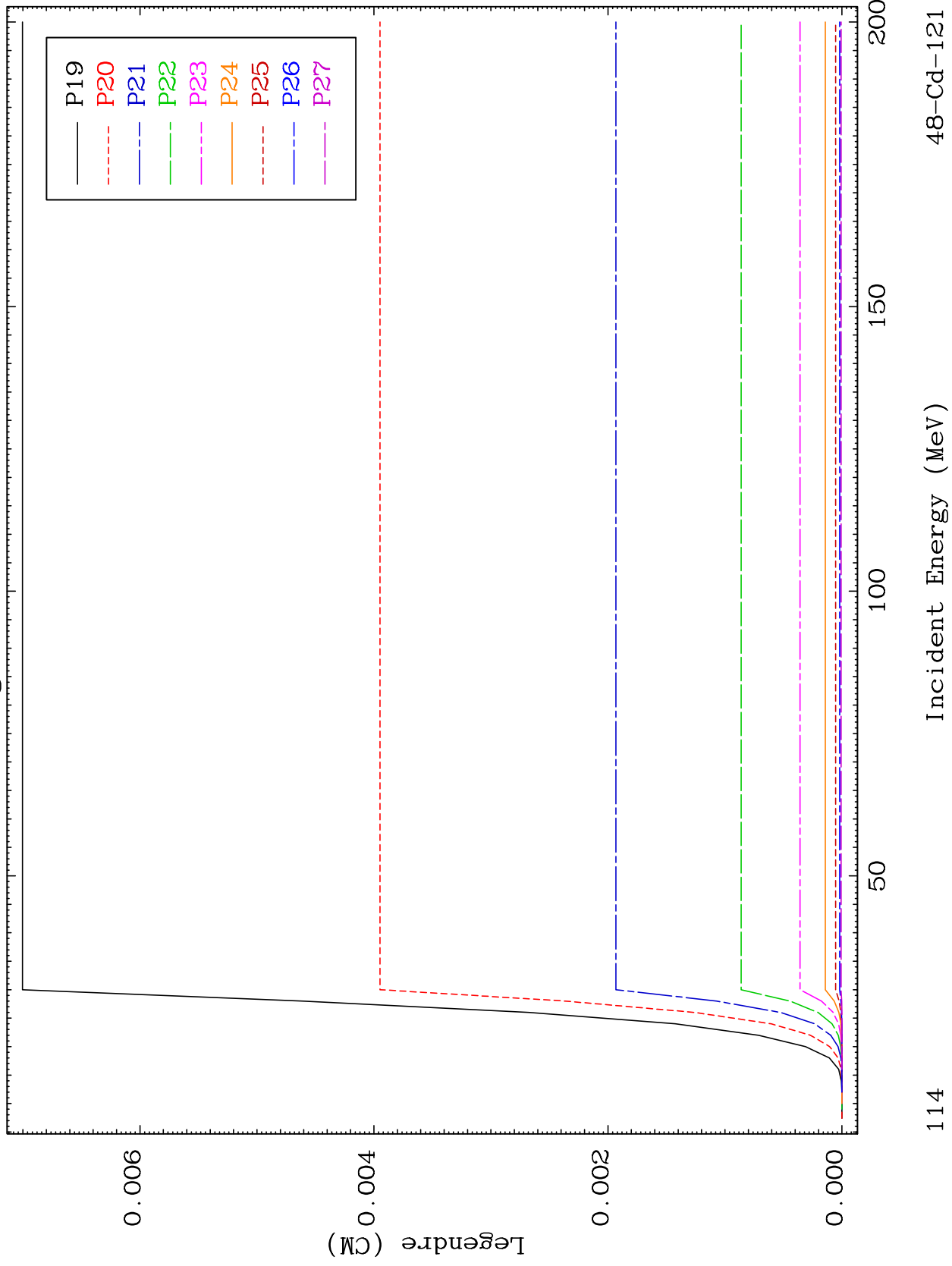
Incident Energy (MeV)

48-Cd-121

MAT 4870

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

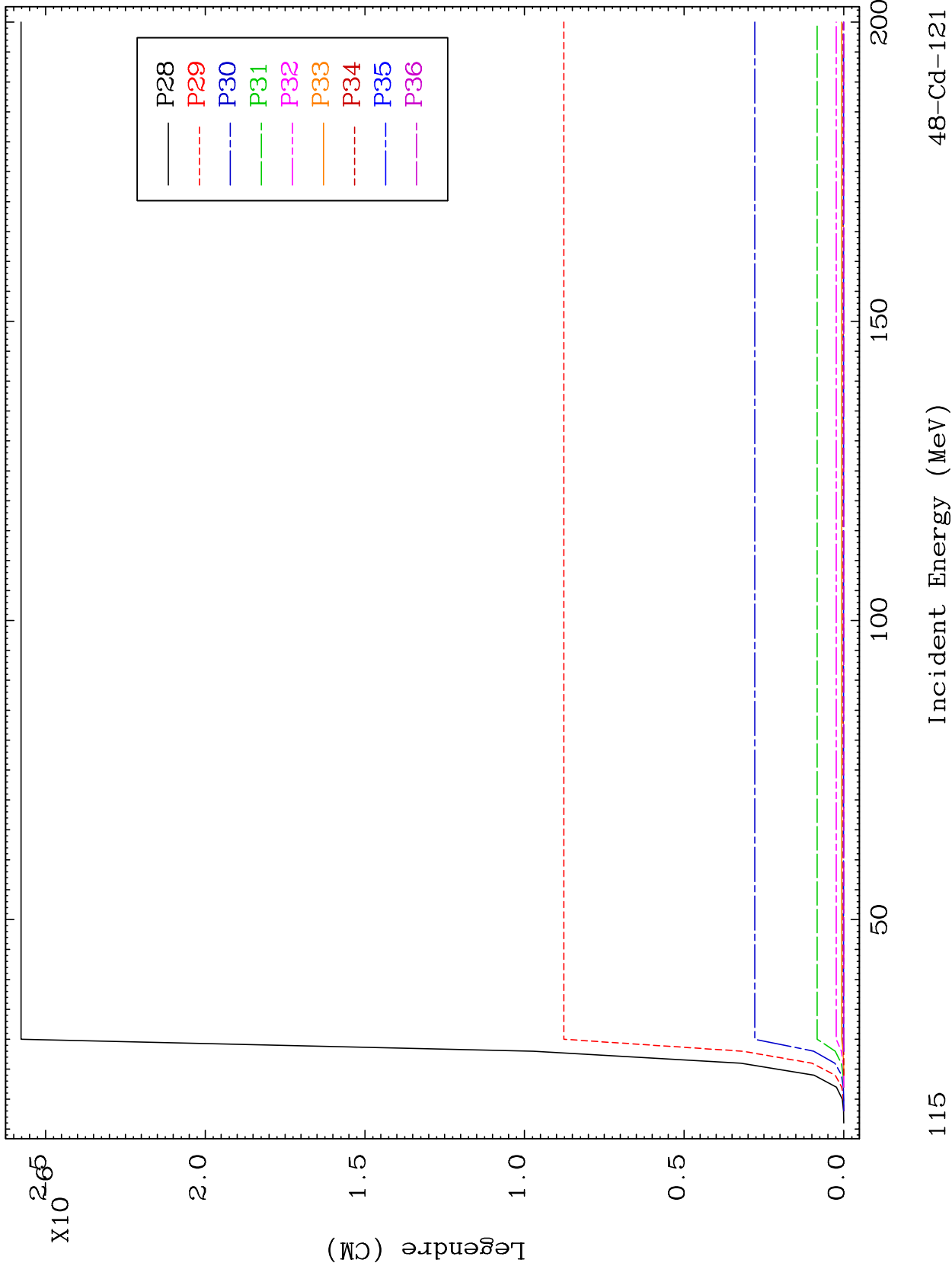
48-Cd-121



MAT 4870

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

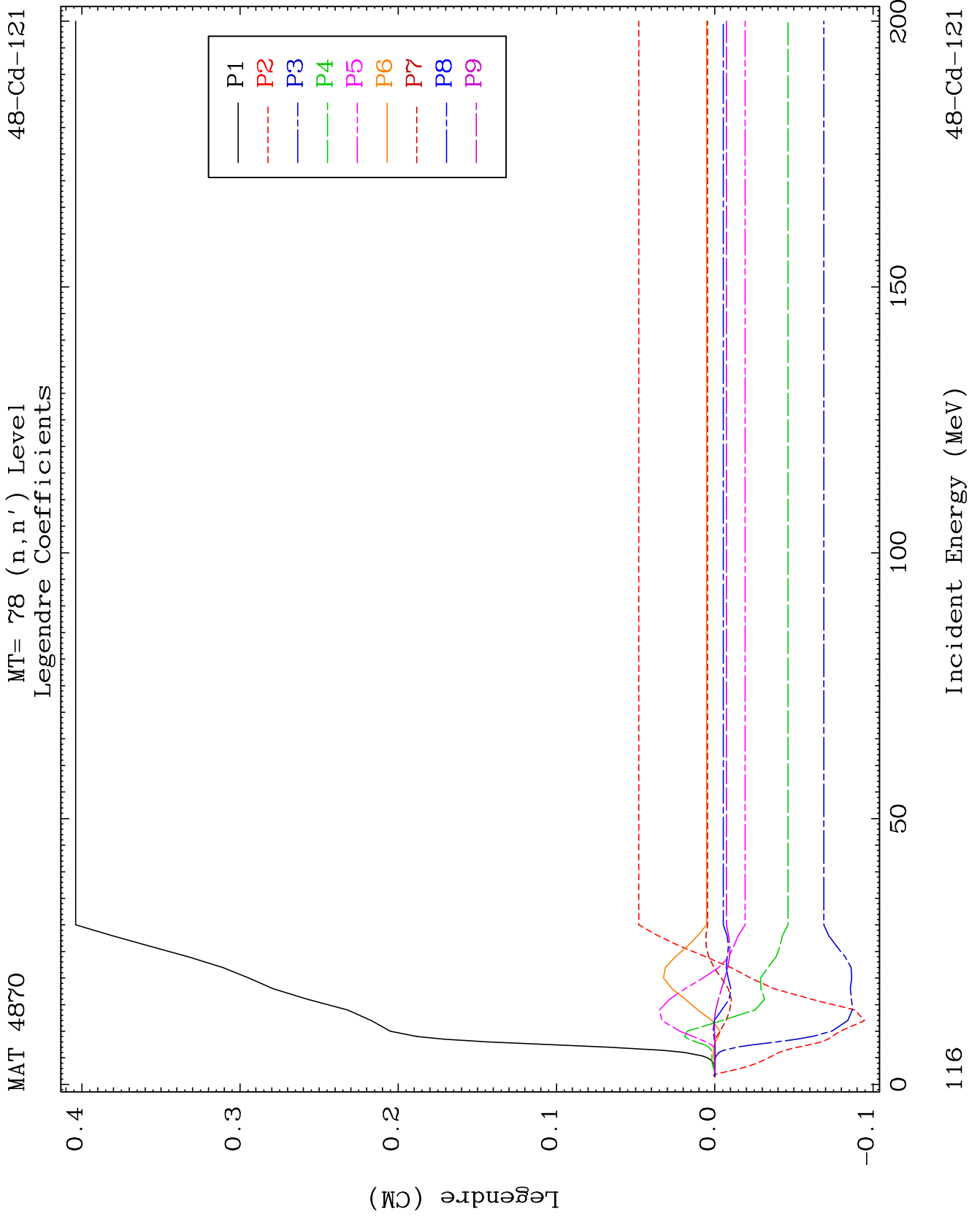
48-Cd-121



115

Incident Energy (MeV)

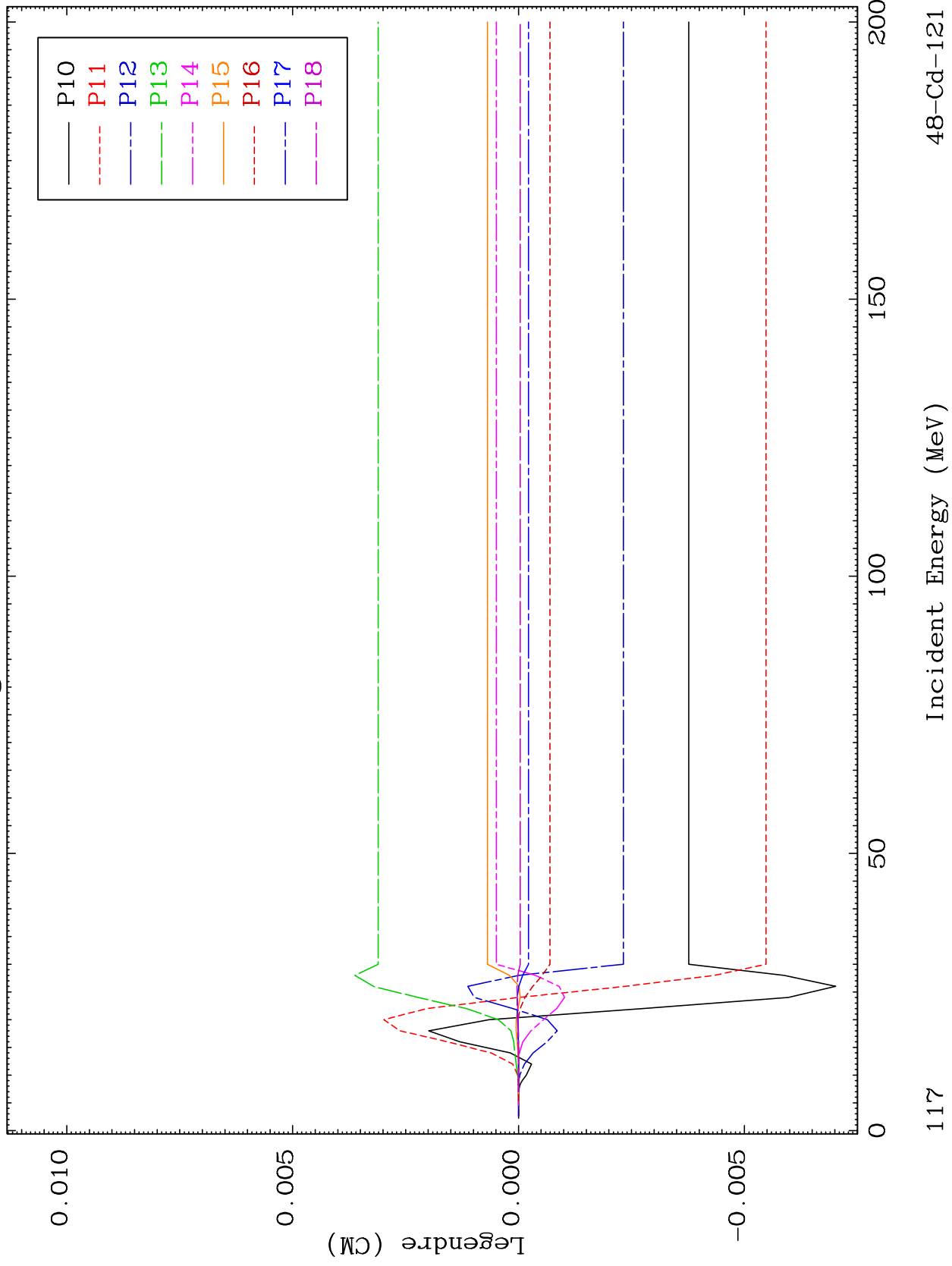
48-Cd-121



MAT 4870

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

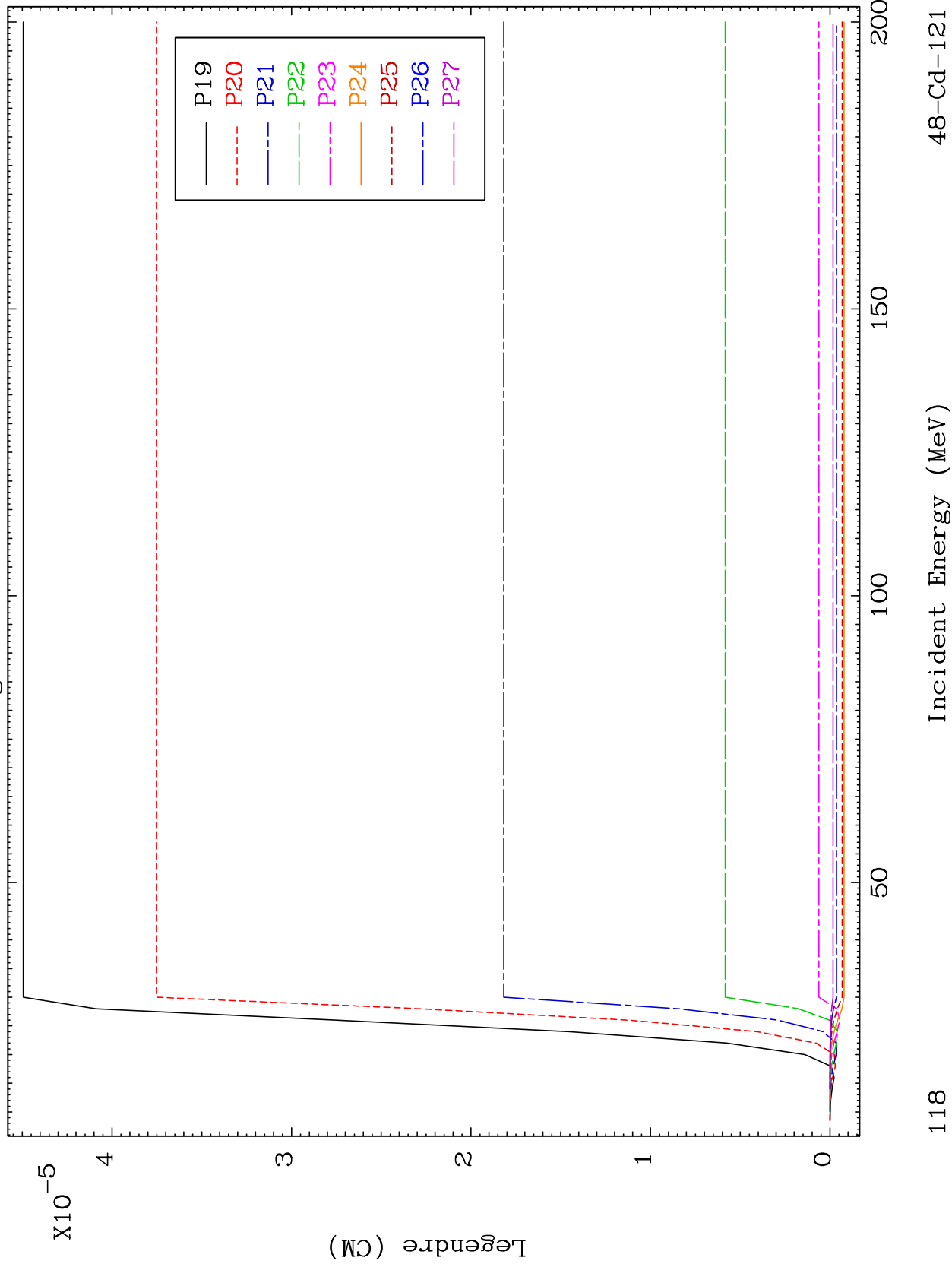
48-Cd-121



MAT 4870

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

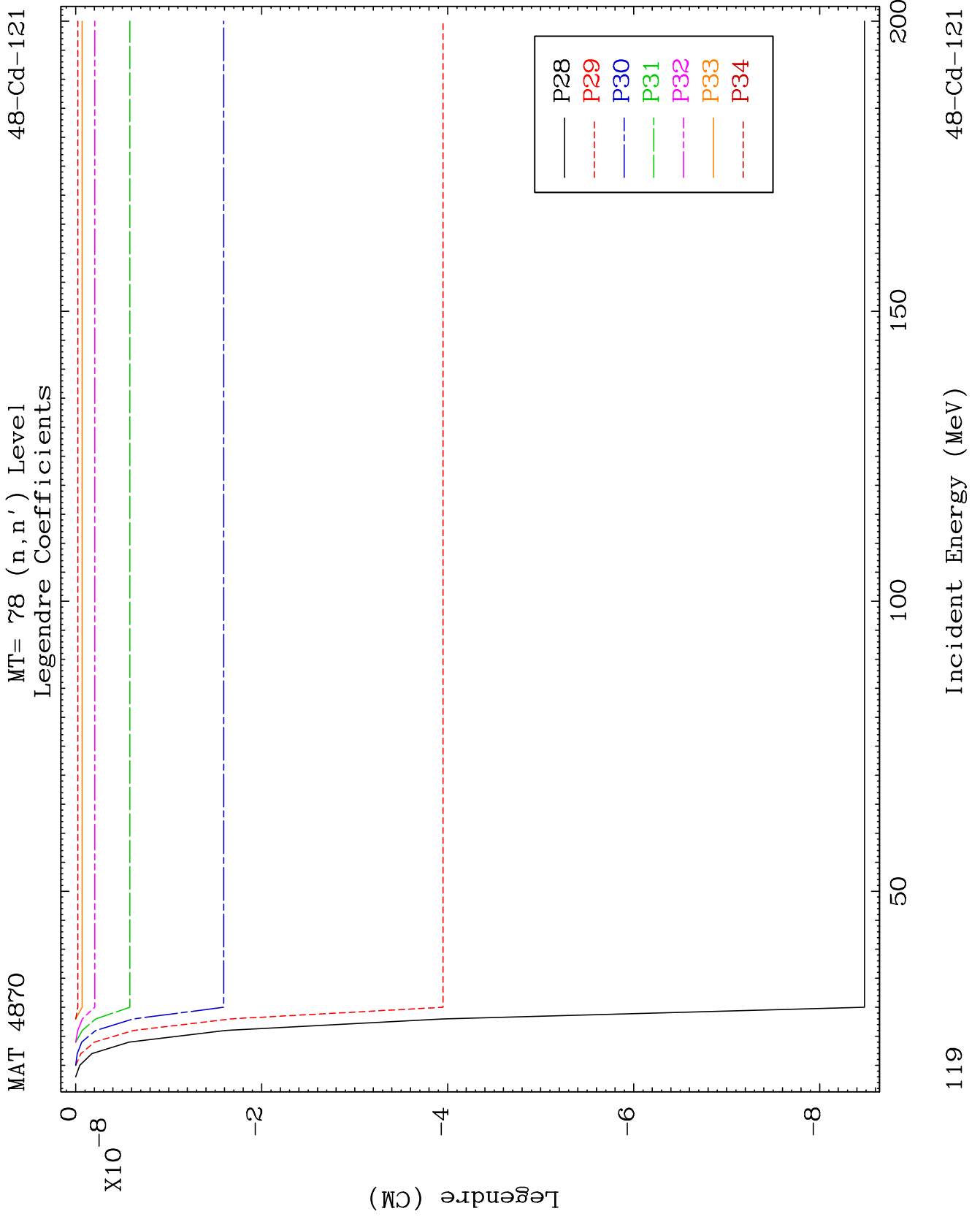
48-Cd-121



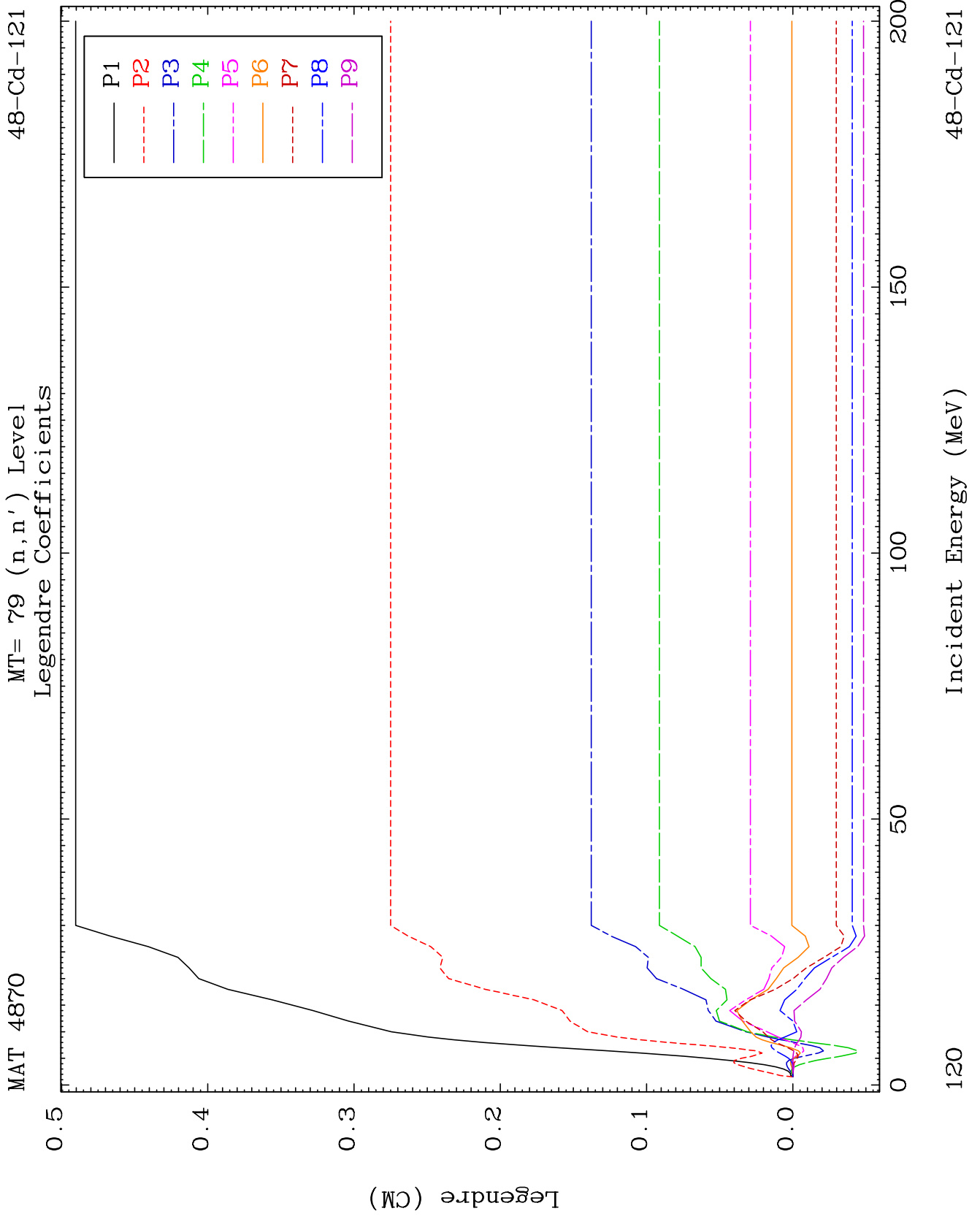
118

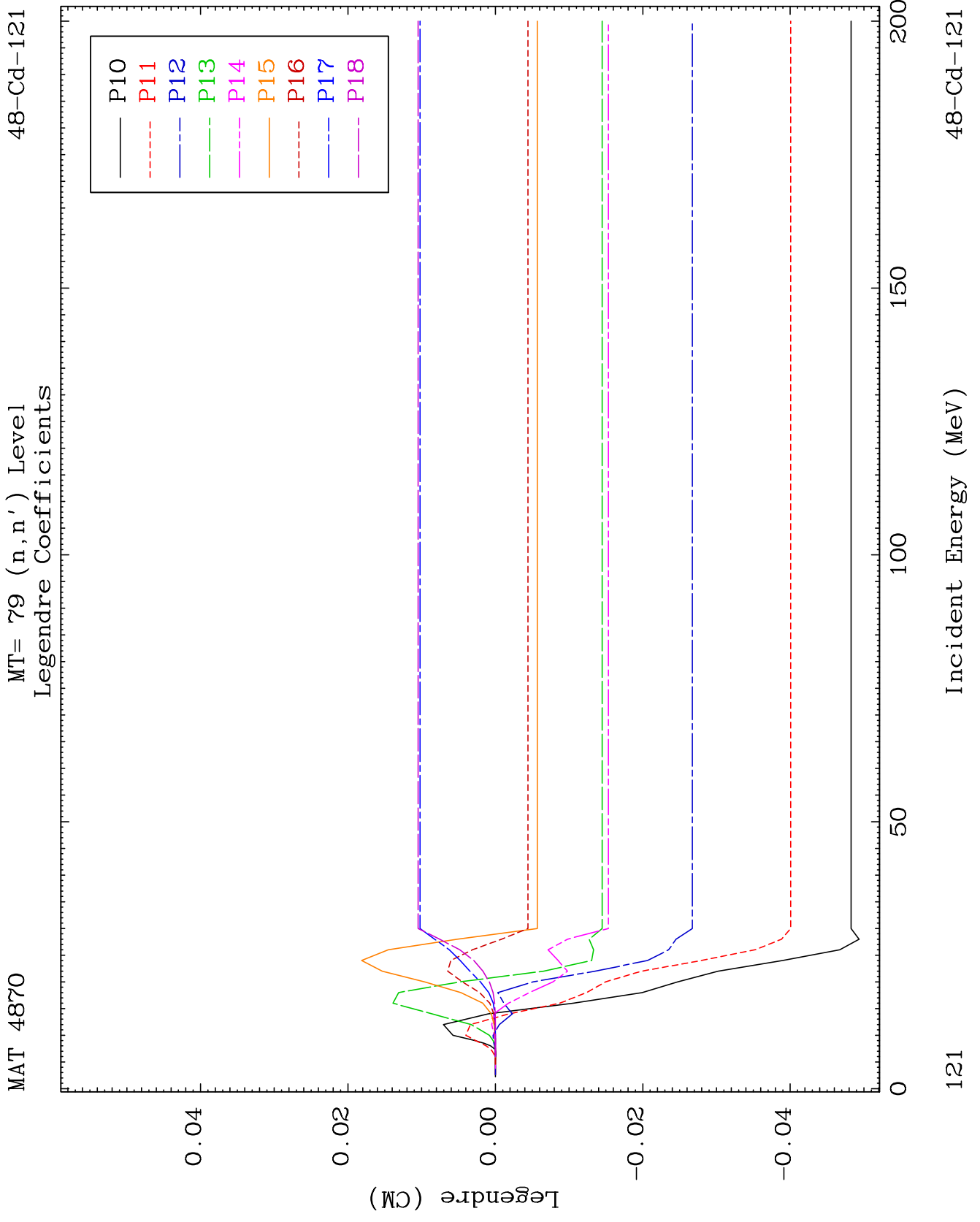
Incident Energy (MeV)

48-Cd-121





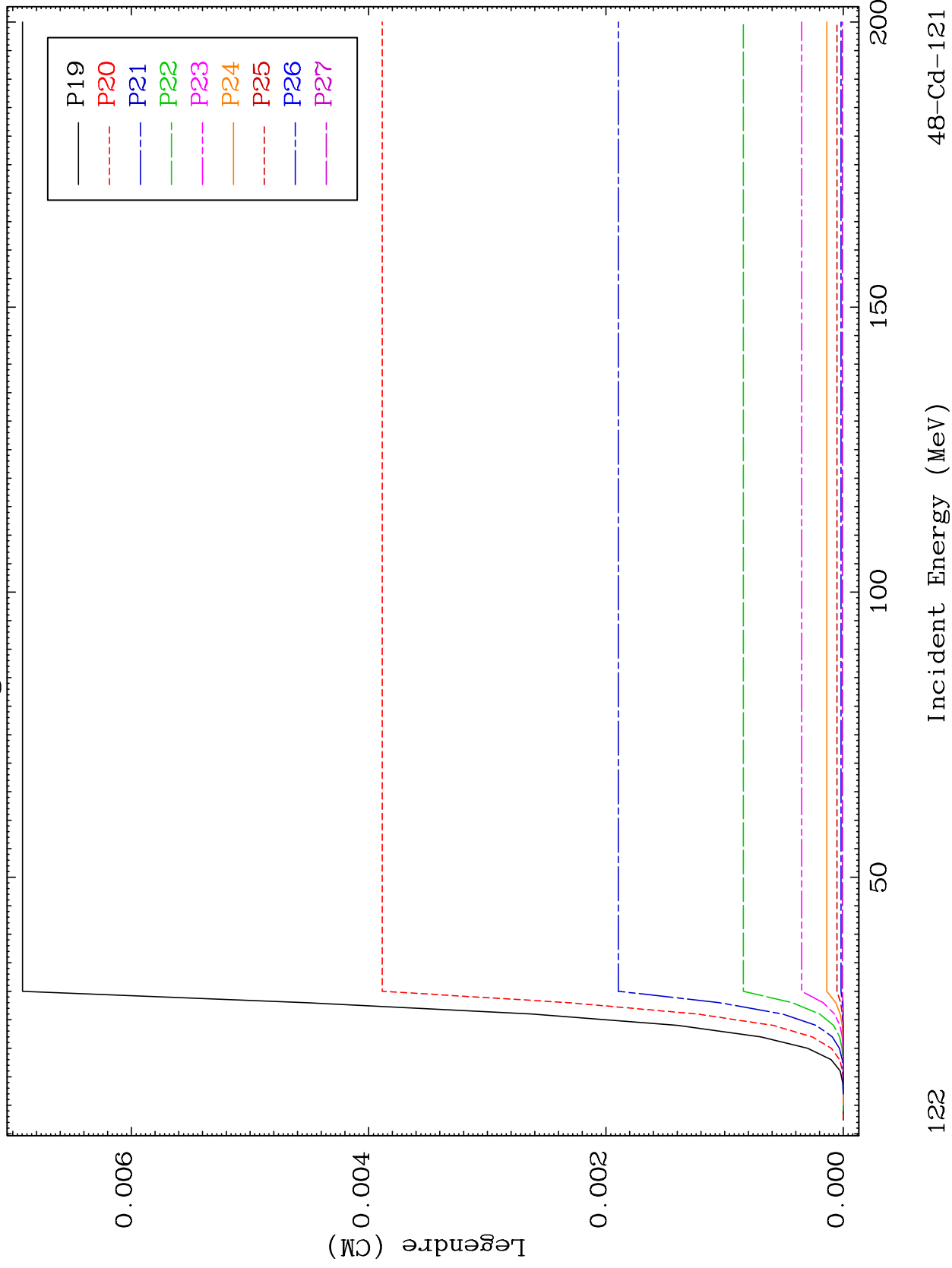




MAT 4870

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

48-Cd-121



122

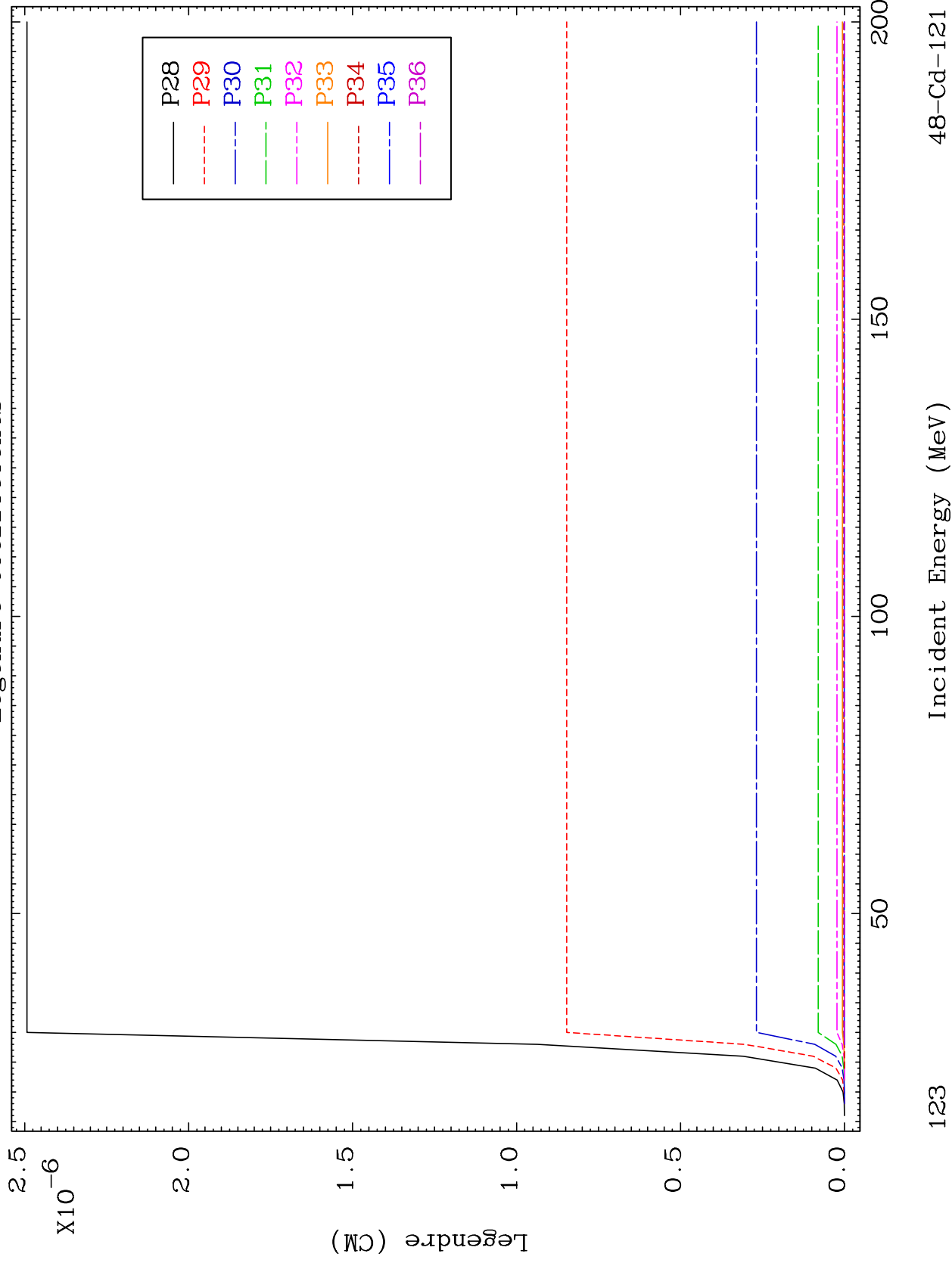
Incident Energy (MeV)

48-Cd-121

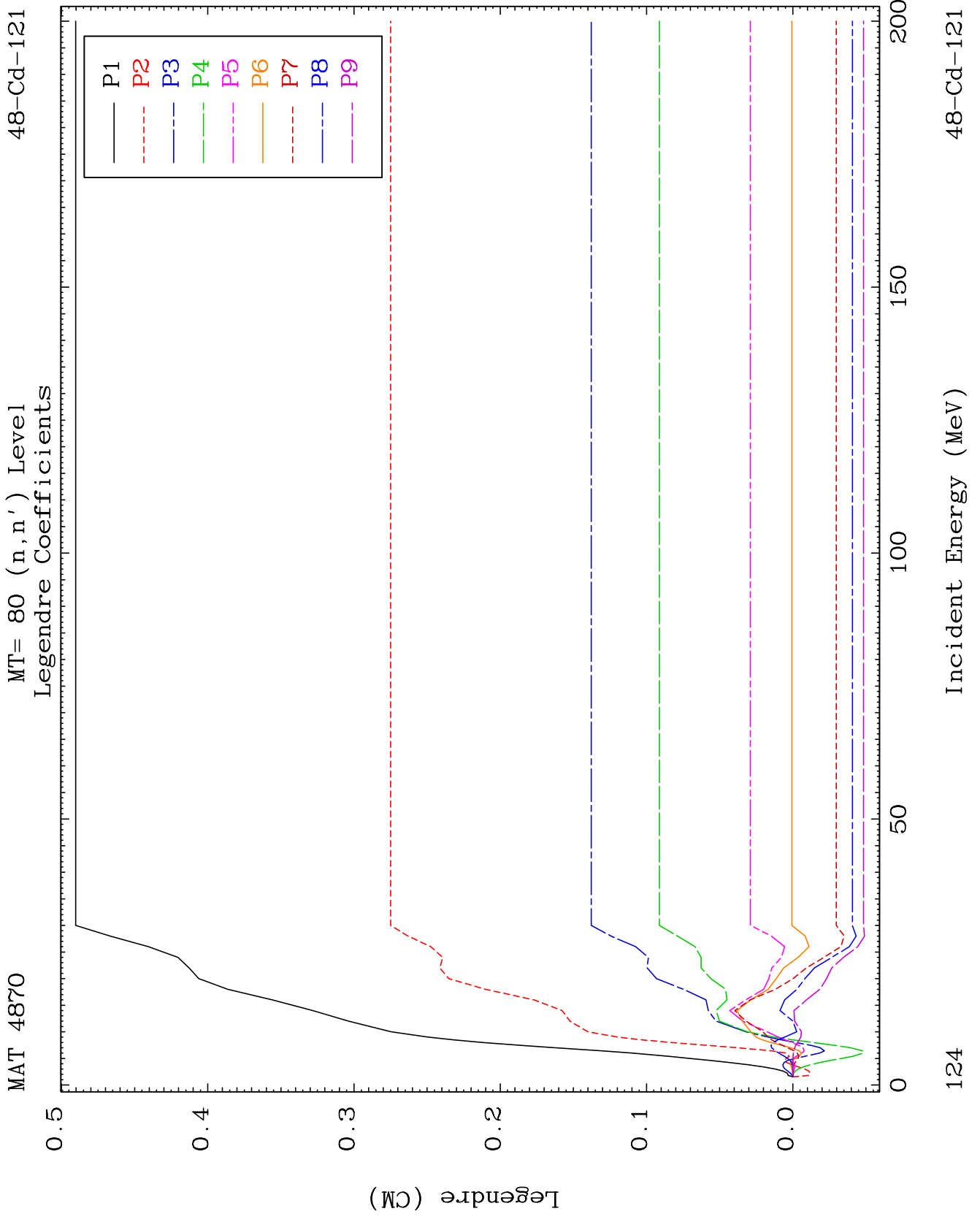
MAT 4870

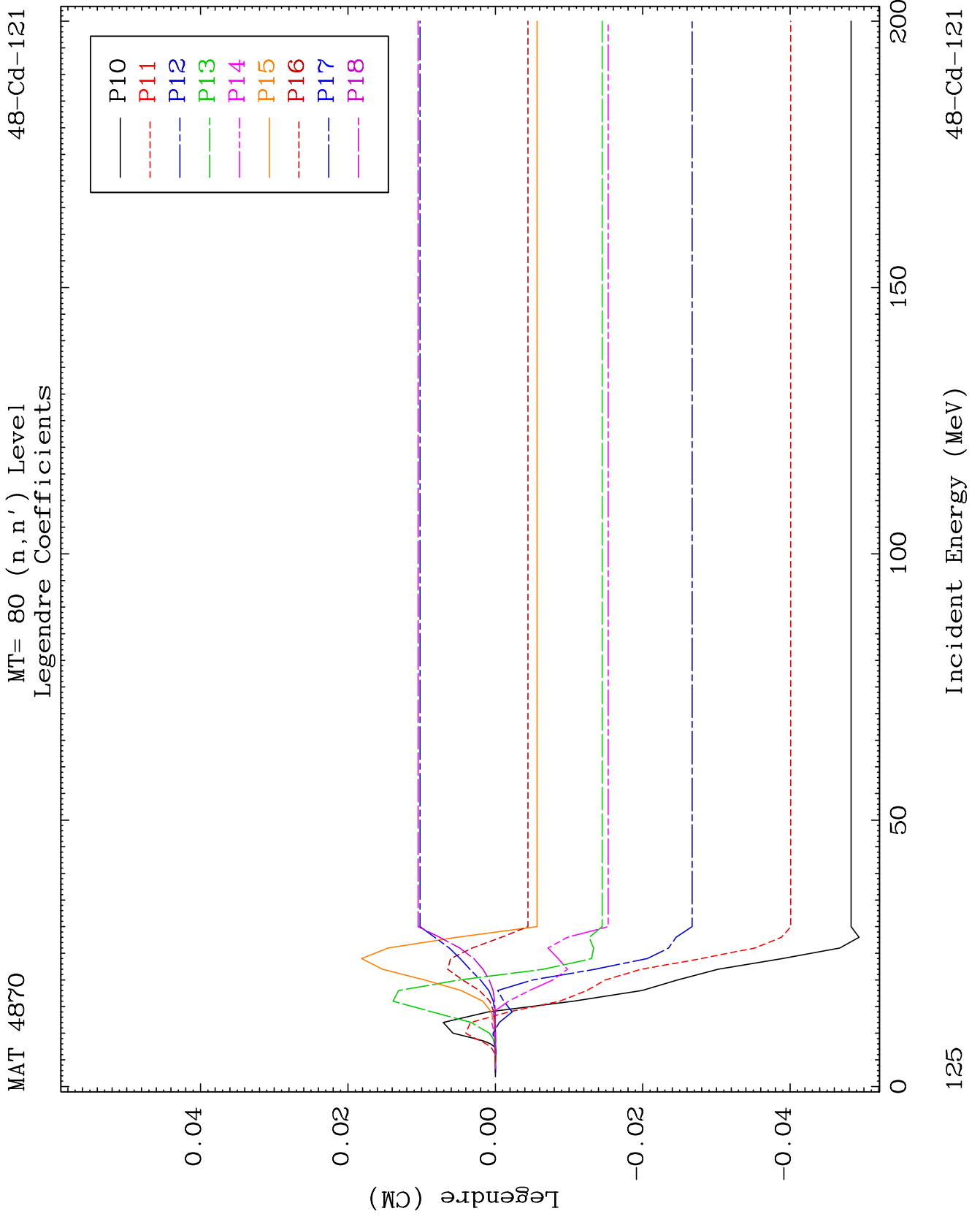
MT= 79 (n,n') Level  
Legendre Coefficients

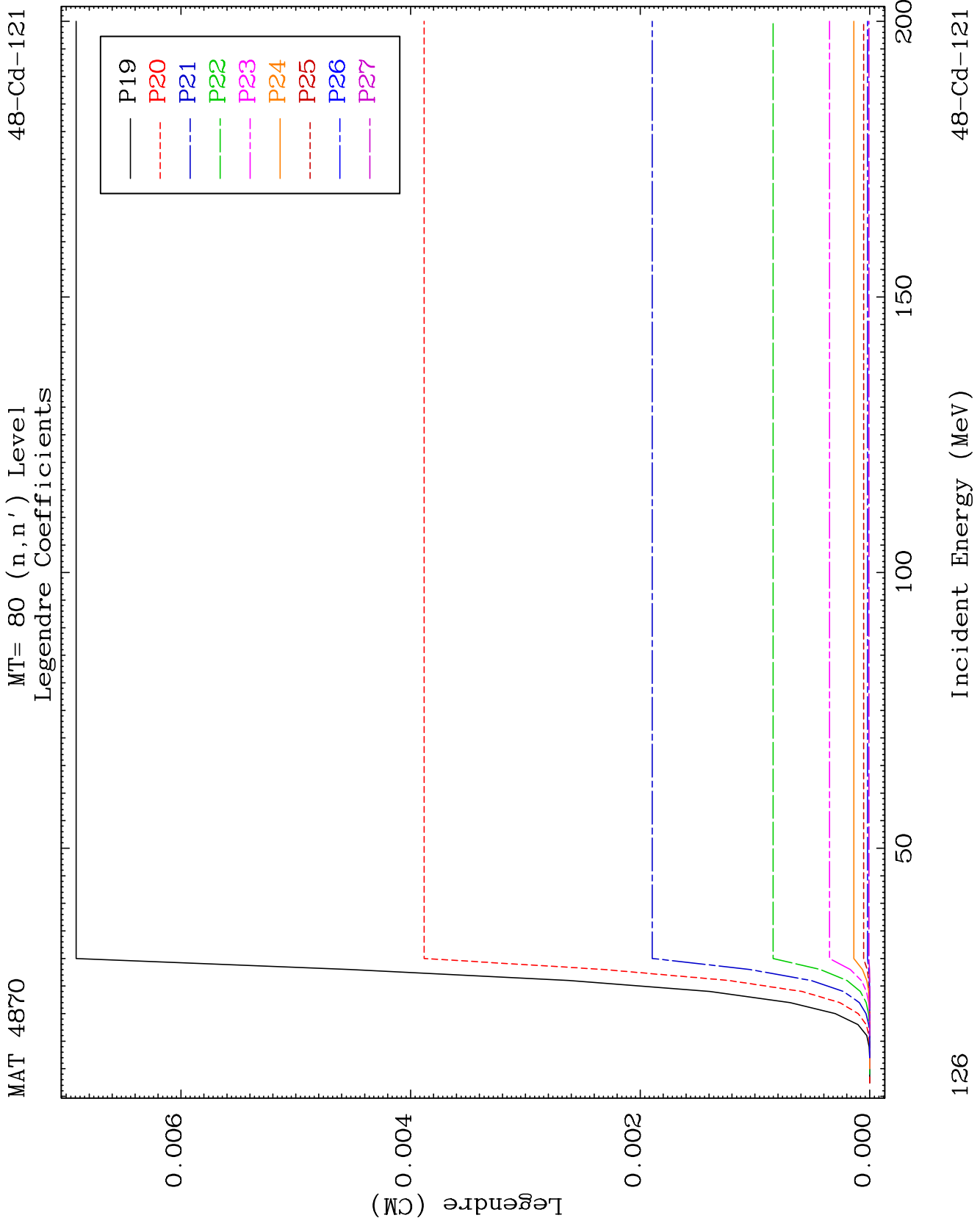
48-Cd-121

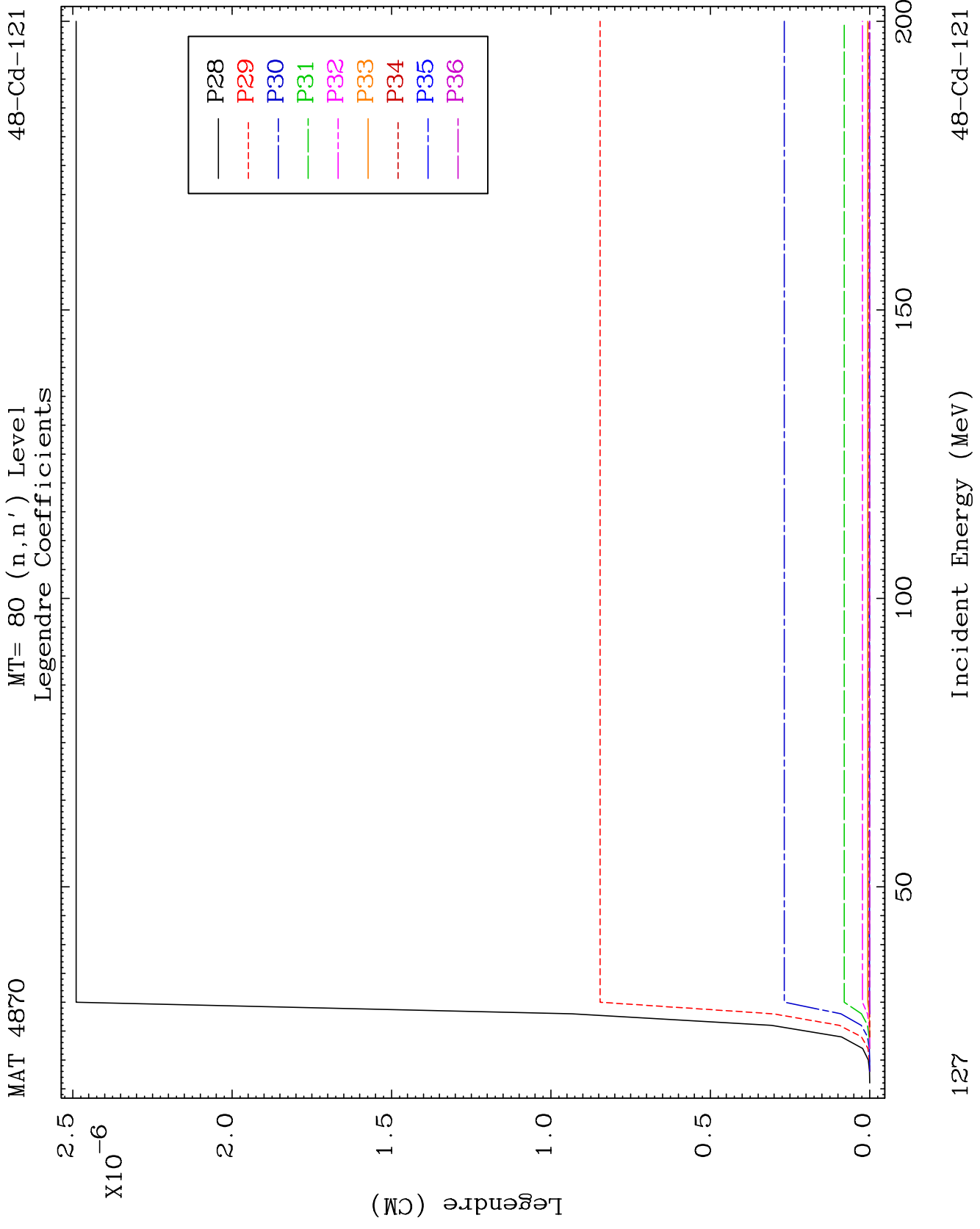


123







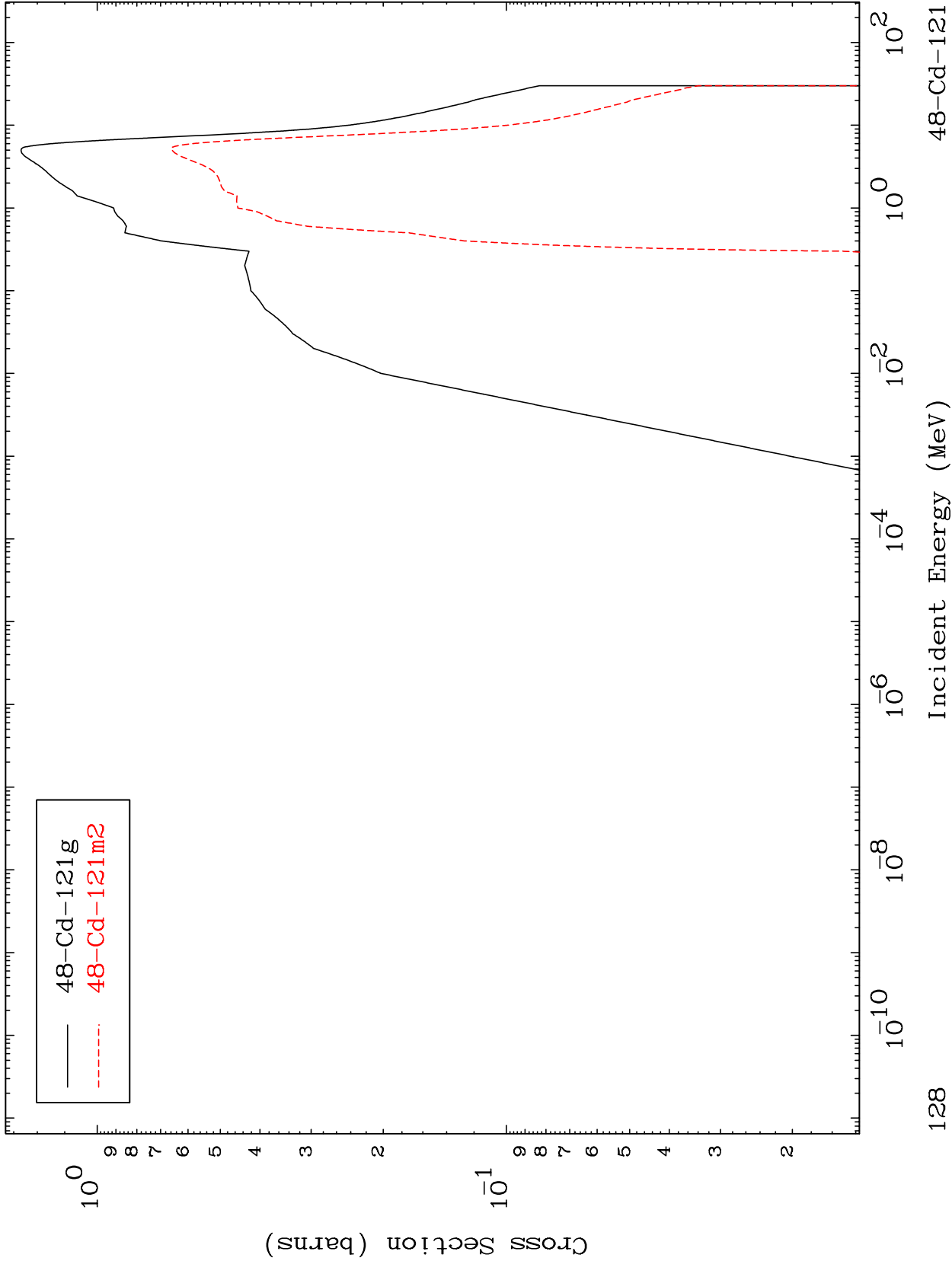




MAT 4870

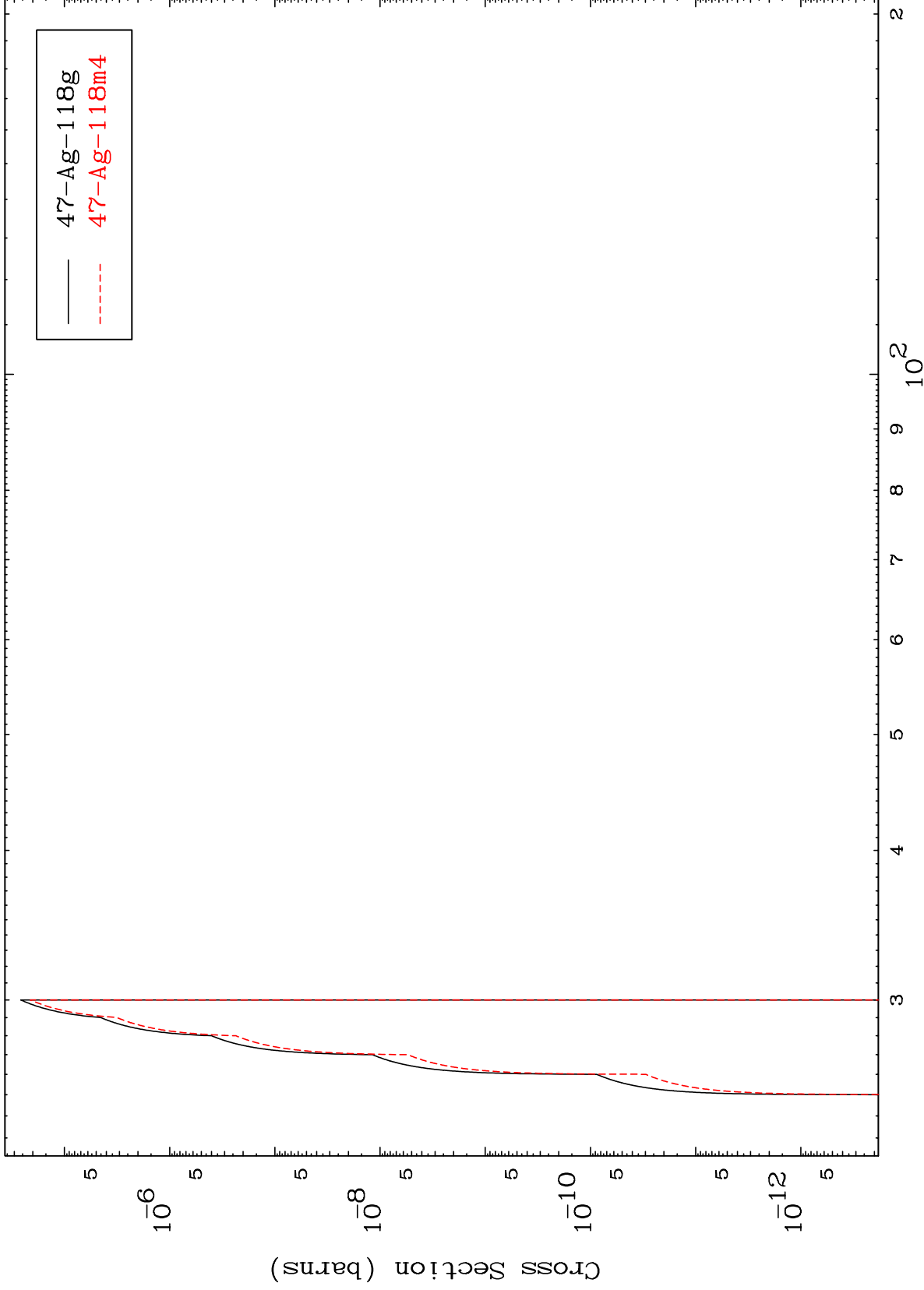
Radionuclide Production Cross Section

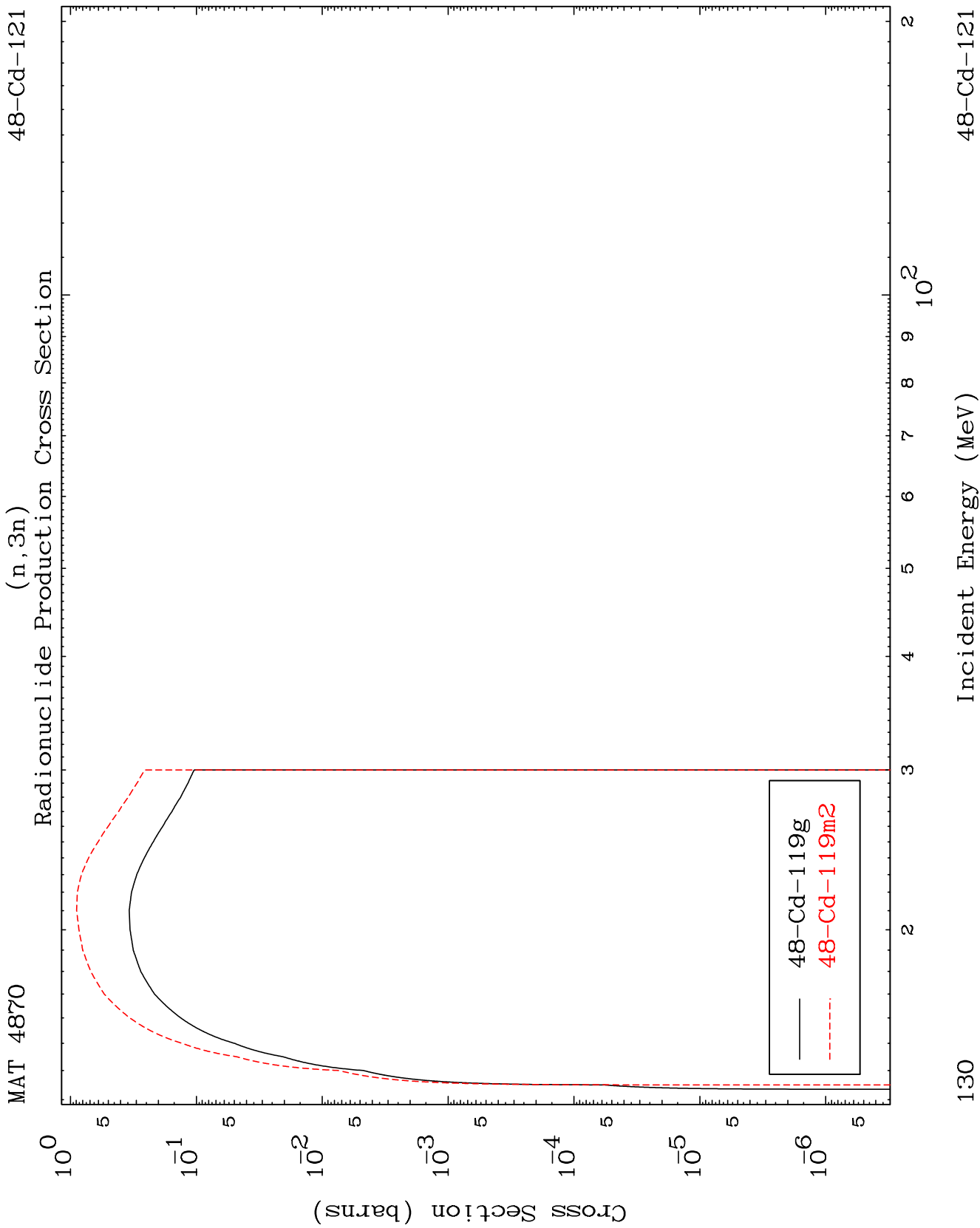
48-Cd-121



48-Cd-121 g  
48-Cd-121 m2

Radionuclide Production Cross Section



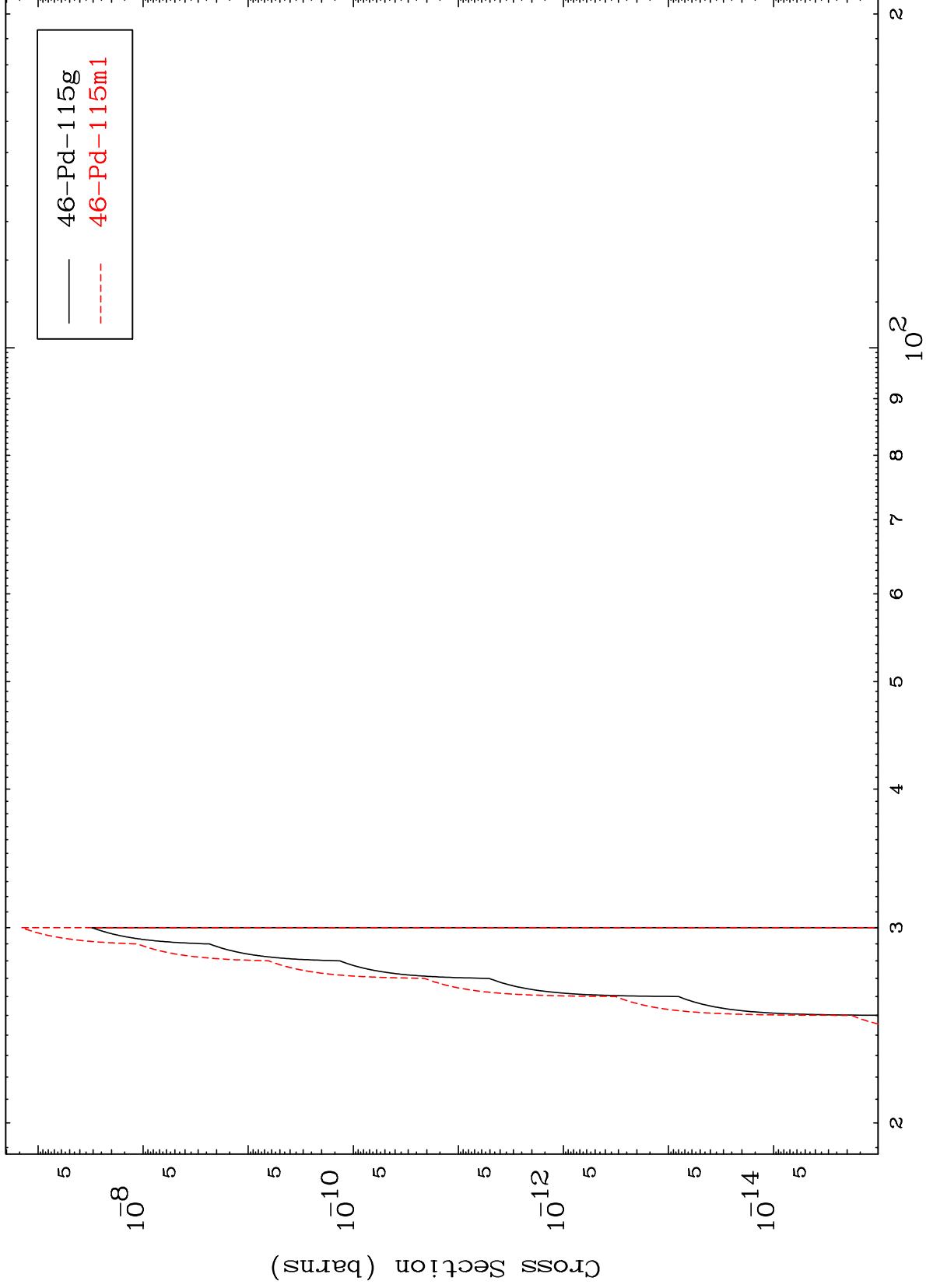


MAT 4870

(n,3n)  $\alpha$

48-Cd-121

Radionuclide Production Cross Section



131

Incident Energy (MeV)

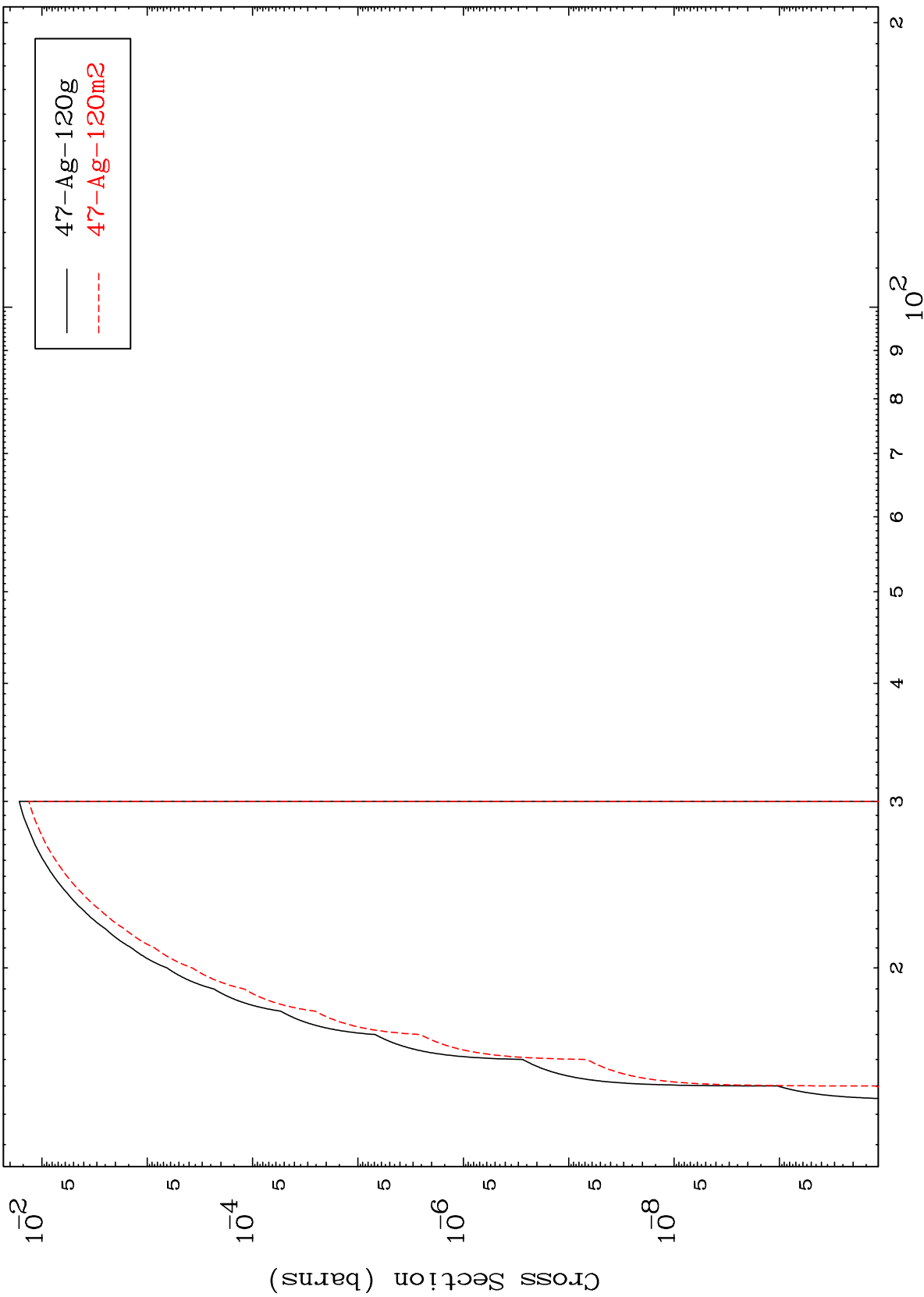
48-Cd-121

MAT 4870

(n,n') p

48-Cd-121

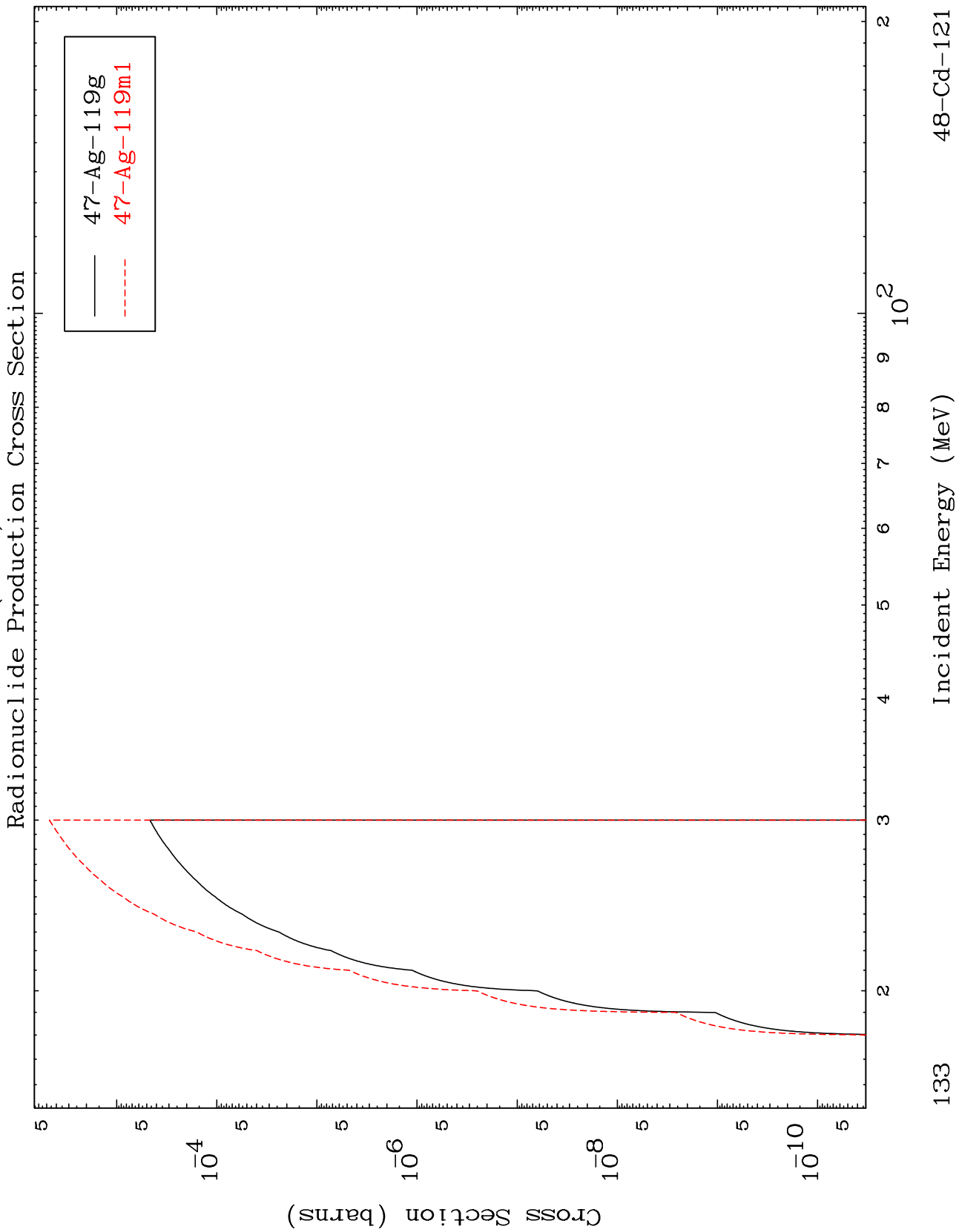
Radionuclide Production Cross Section



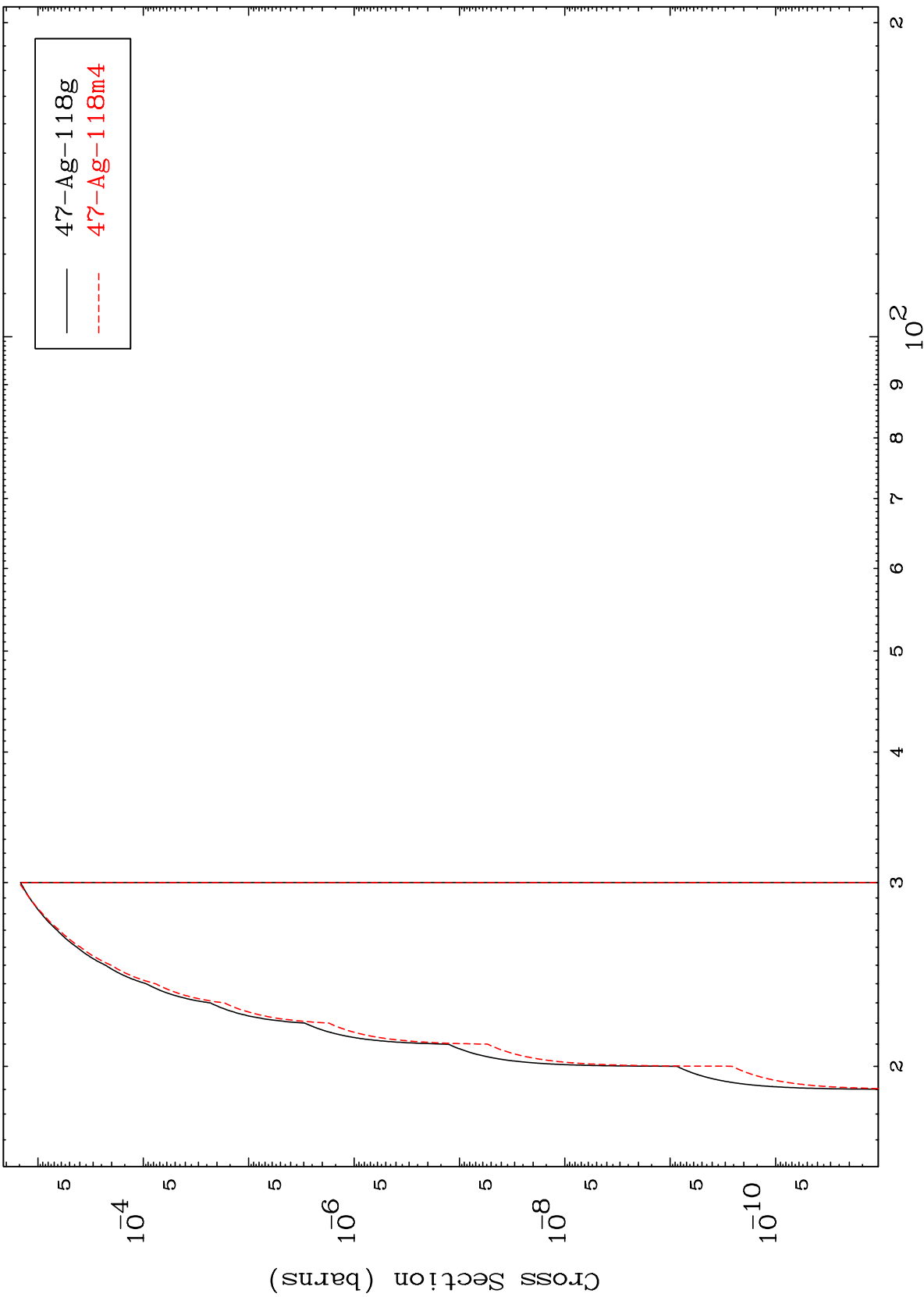
132

Incident Energy (MeV)

48-Cd-121



Radionuclide Production Cross Section

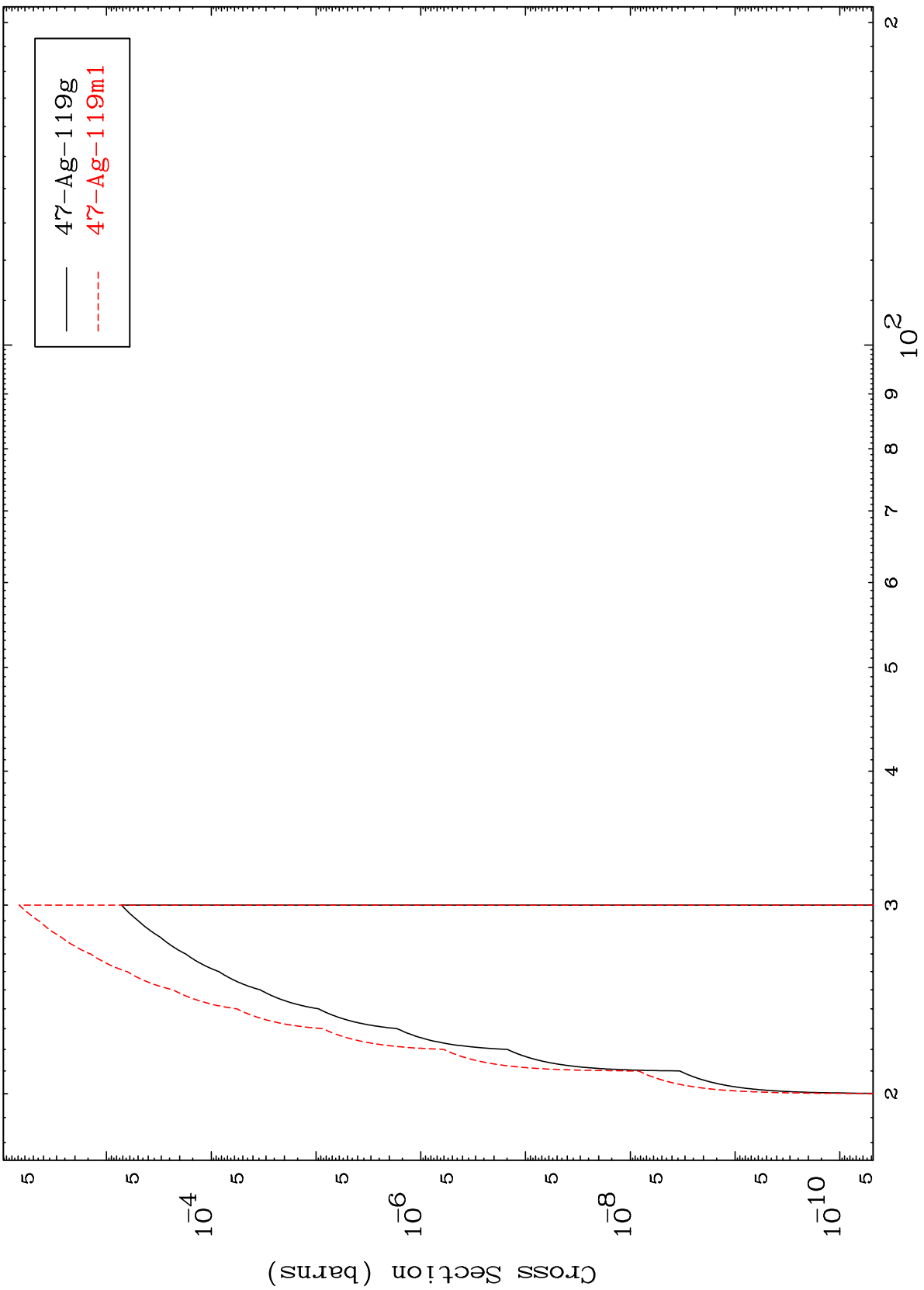


MAT 4870

(n,2n) p

48-Cd-121

Radionuclide Production Cross Section



135

Incident Energy (MeV)

48-Cd-121

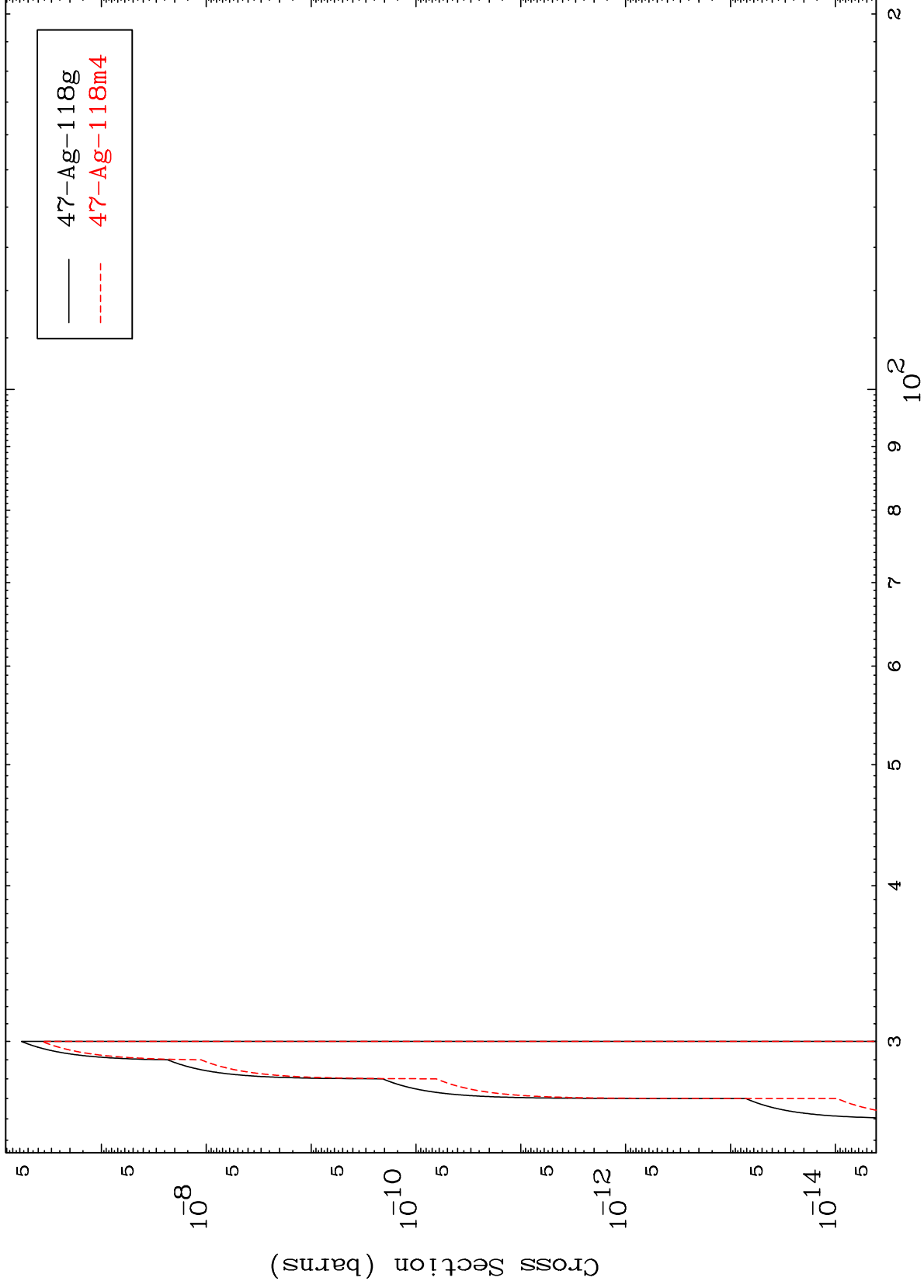


MAT 4870

(n,3n) p

48-Cd-121

Radionuclide Production Cross Section



136

Incident Energy (MeV)

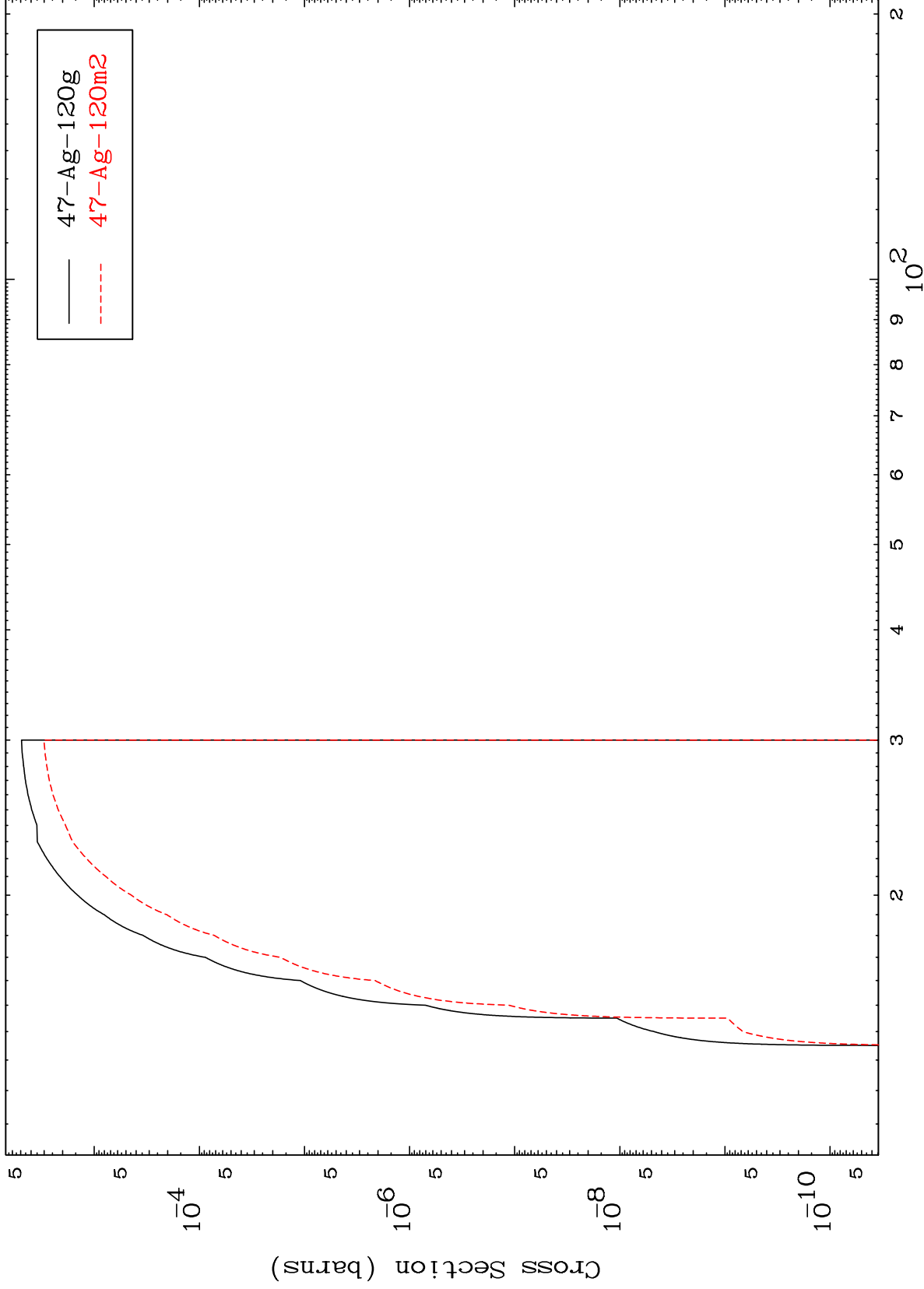
48-Cd-121

MAT 4870

(n,d)

48-Cd-121

Radionuclide Production Cross Section



137

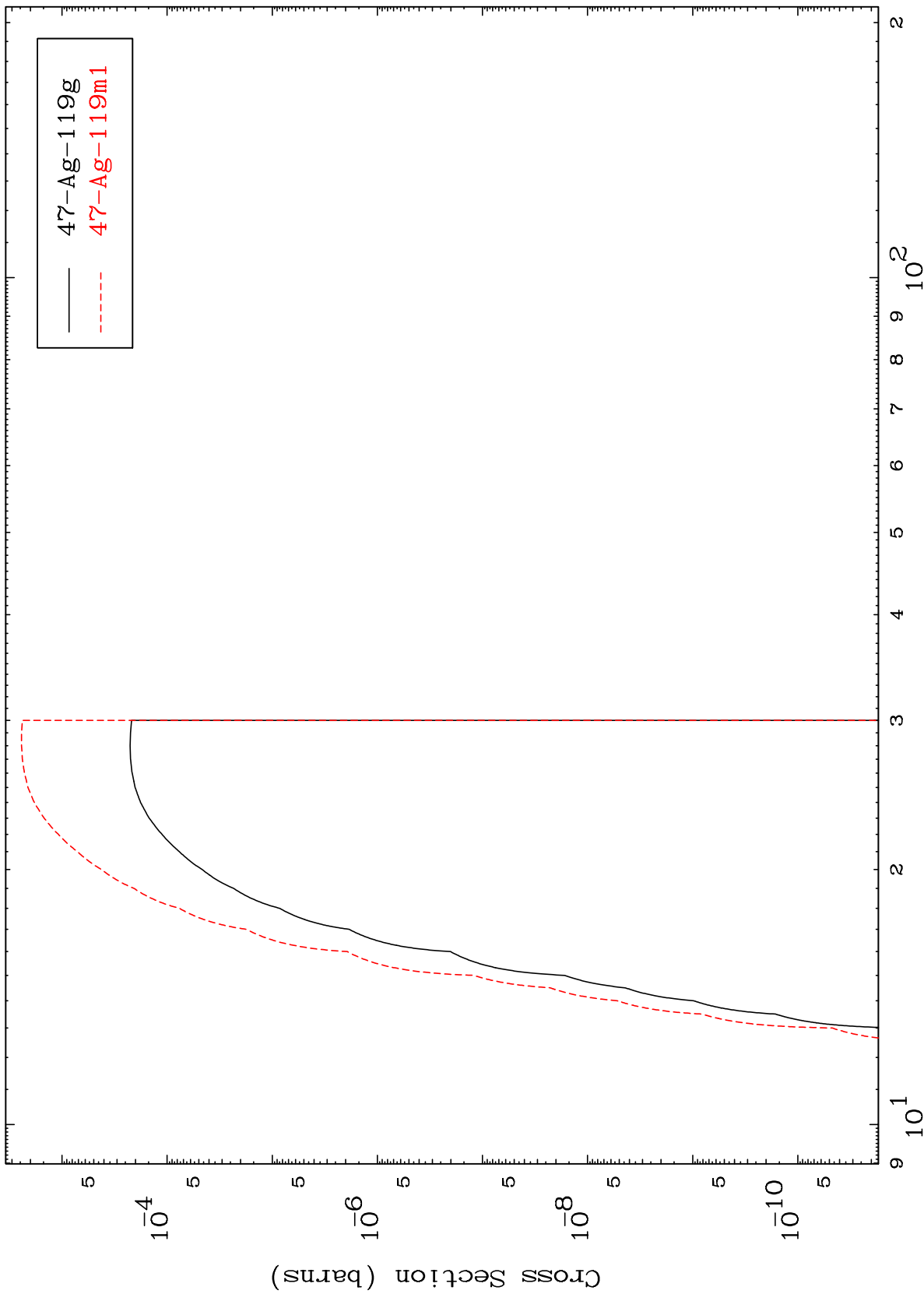
Incident Energy (MeV)

48-Cd-121

MAT 4870

48-Cd-121

(n, t)  
Radionuclide Production Cross Section



48-Cd-121

Incident Energy (MeV)

138