

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

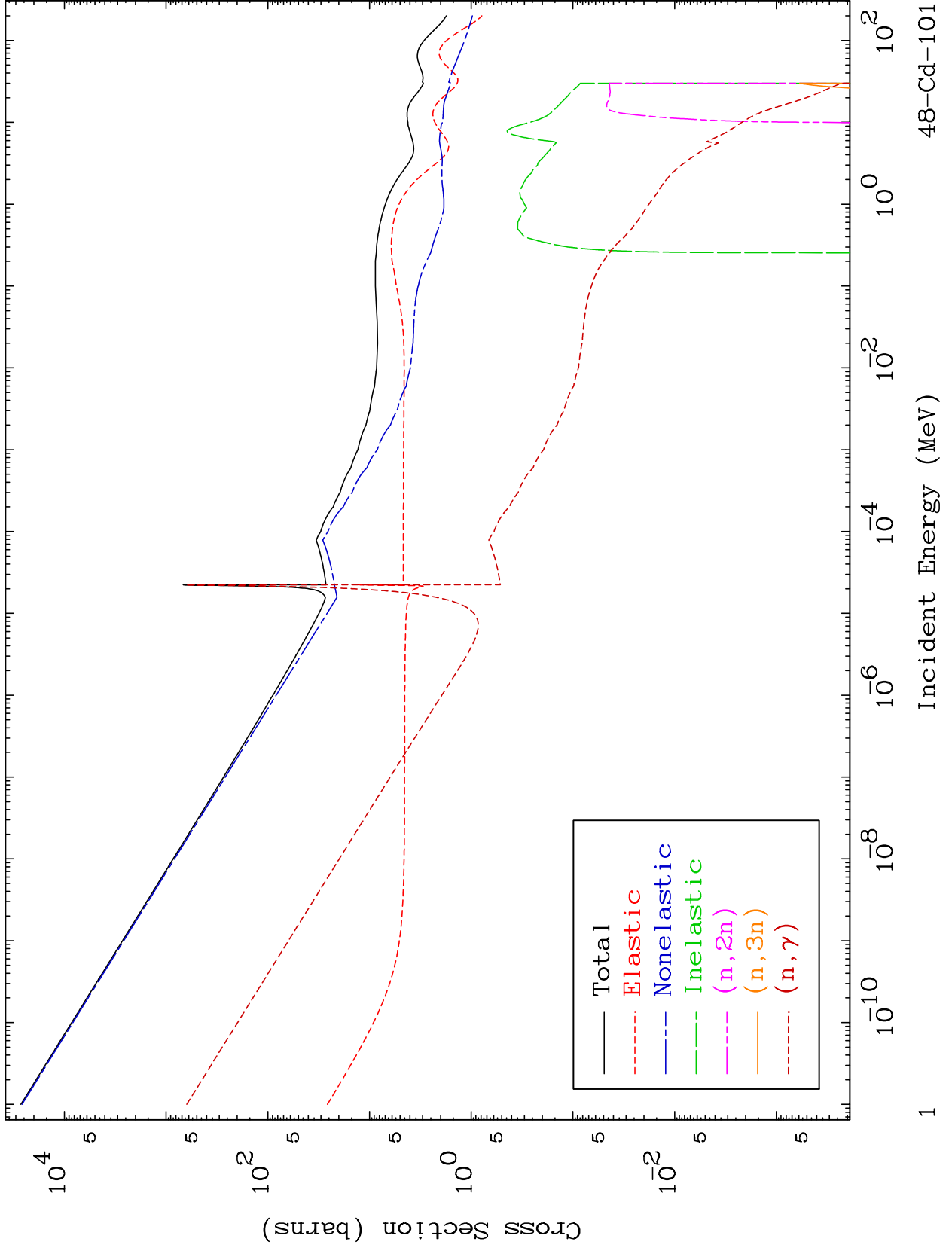
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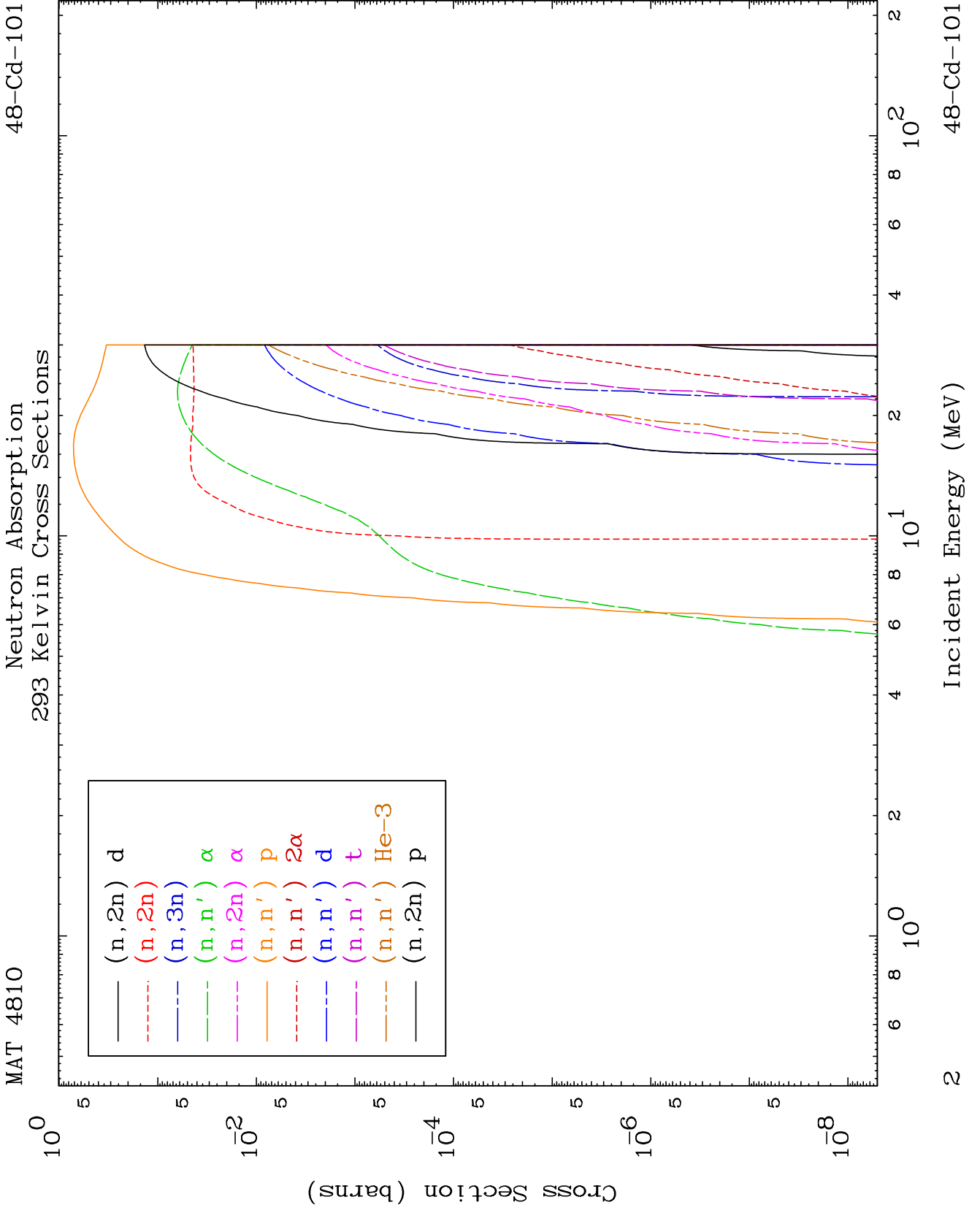
Press Mouse Button to Start

MAT 4810

Neutron Major
293 Kelvin Cross Sections

48-Cd-101

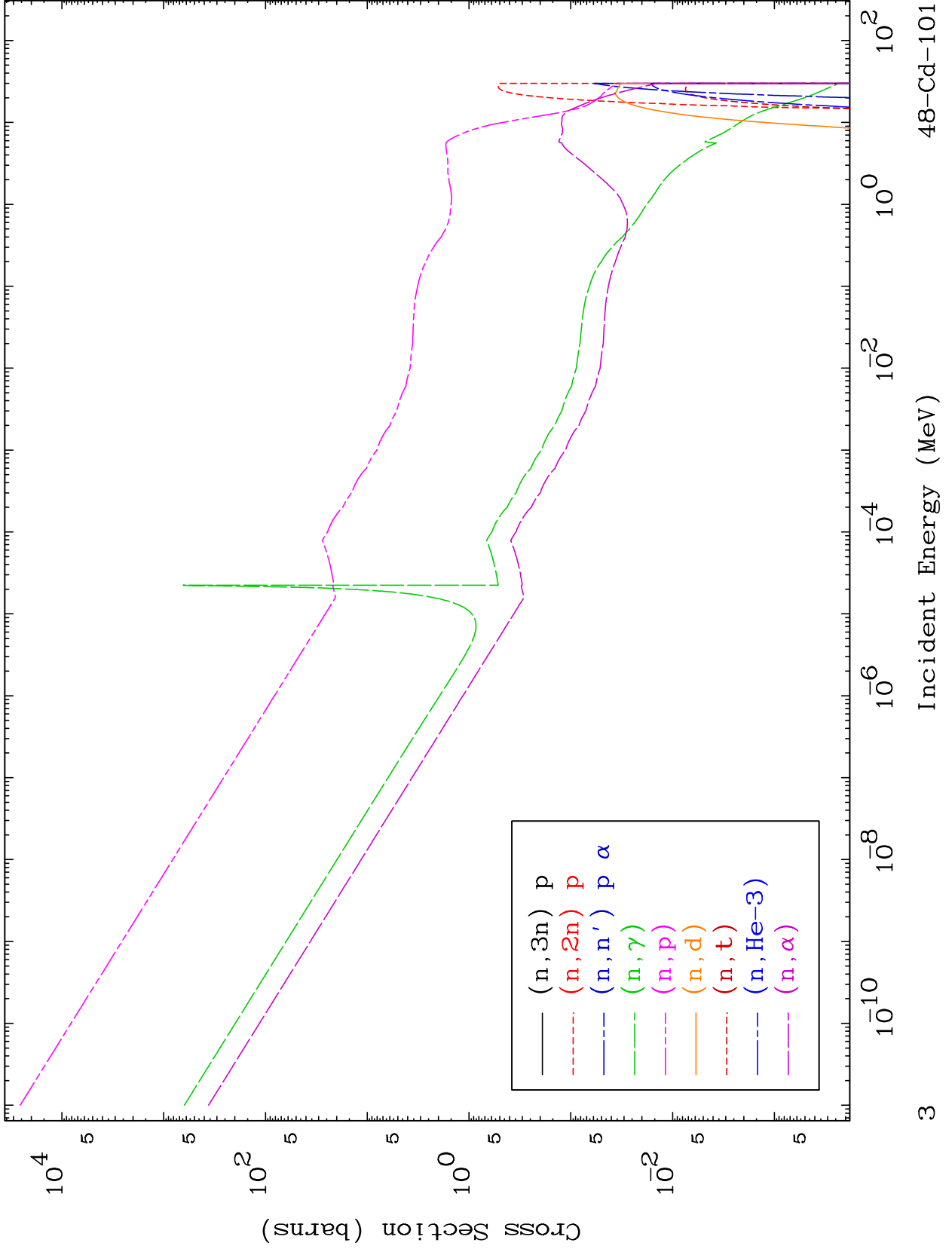




MAT 4810

Neutron Absorption
293 Kelvin Cross Sections

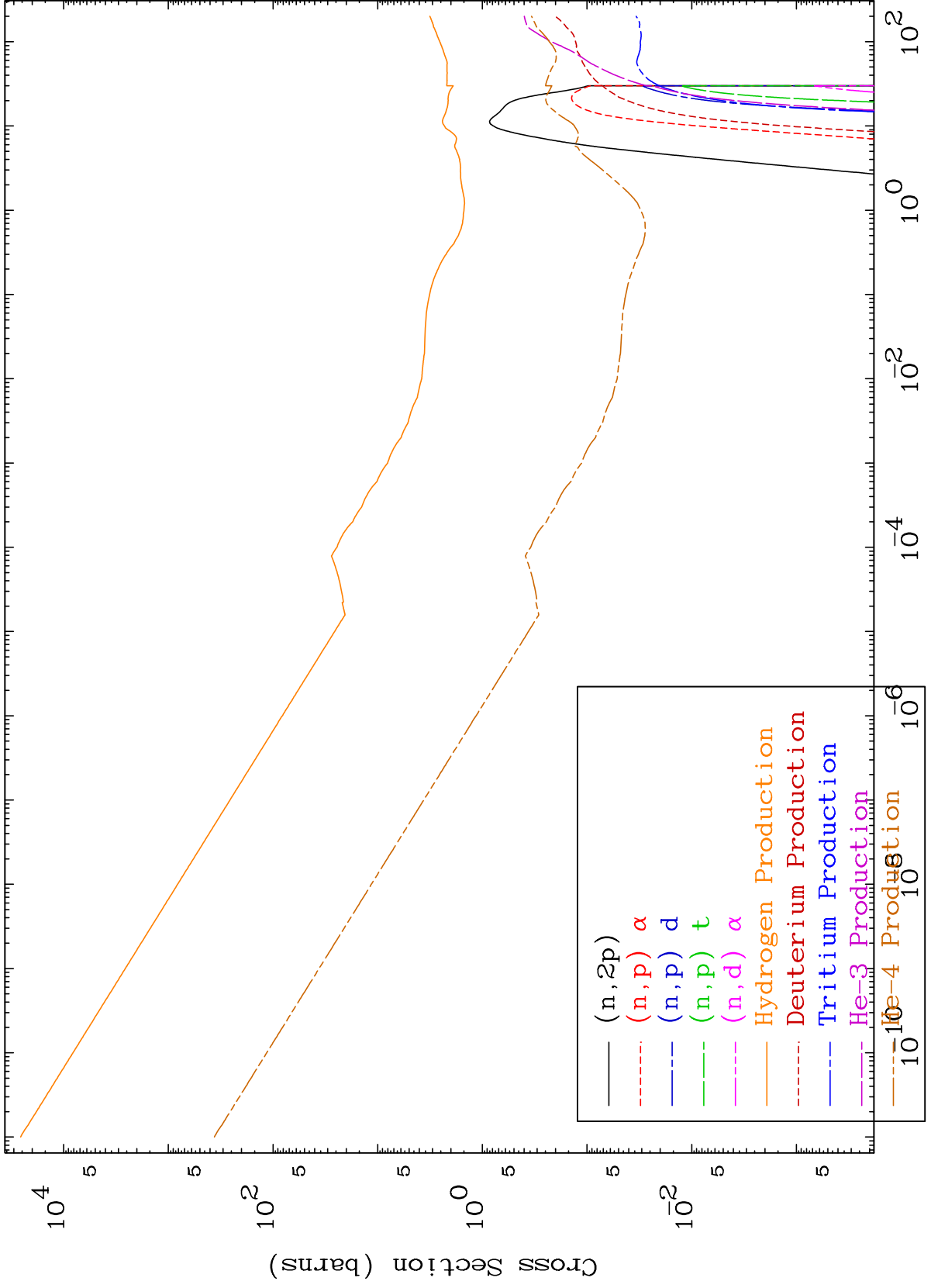
48-Cd-101



MAT 4810

Neutron Absorption
293 Kelvin Cross Sections

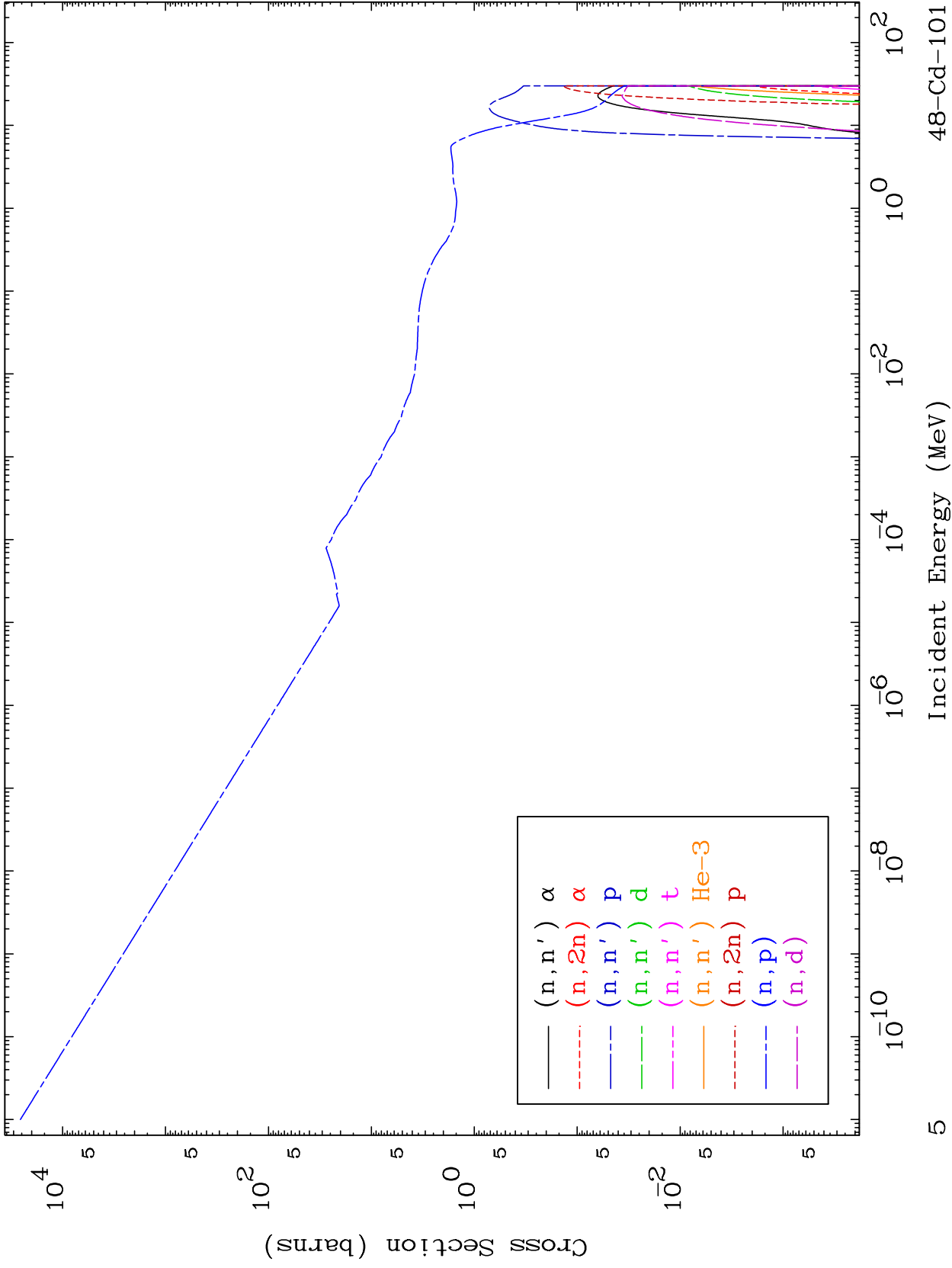
48-Cd-101



MAT 4810

Charged Particle
293 Kelvin Cross Sections

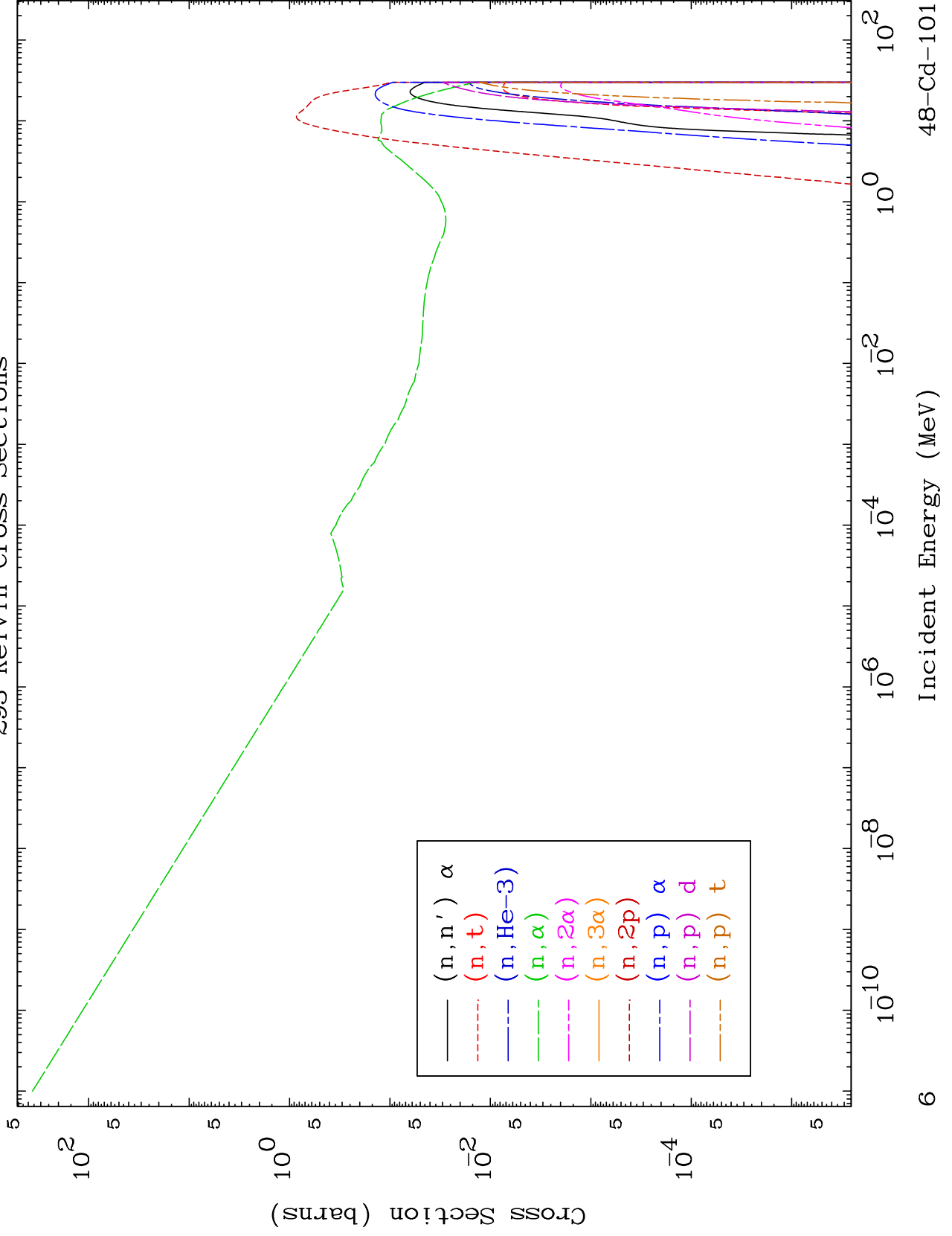
48-Cd-101



MAT 4810

Charged Particle
293 Kelvin Cross Sections

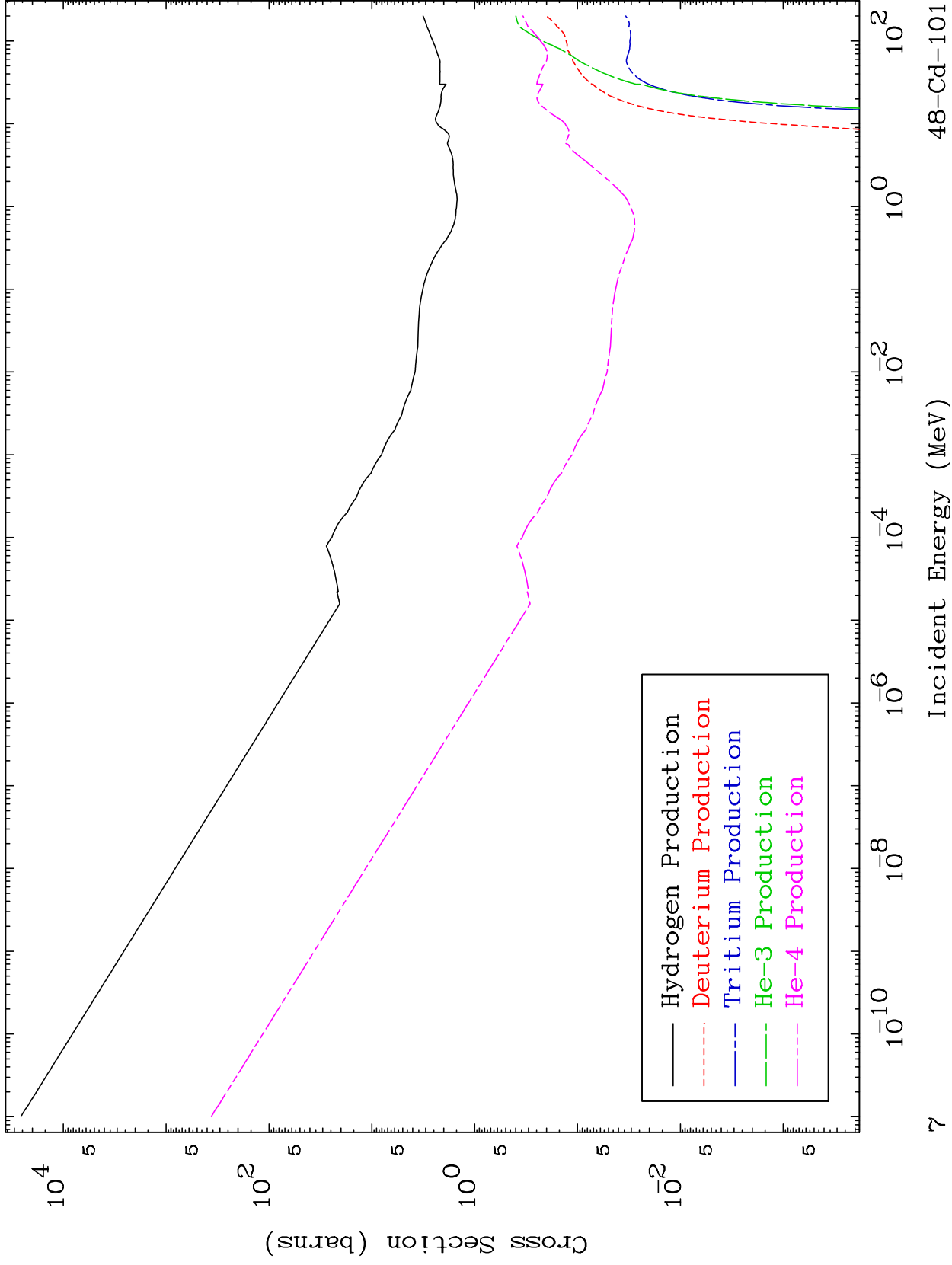
48-Cd-101



MAT 4810

Particle Production
293 Kelvin Cross Sections

48-Cd-101

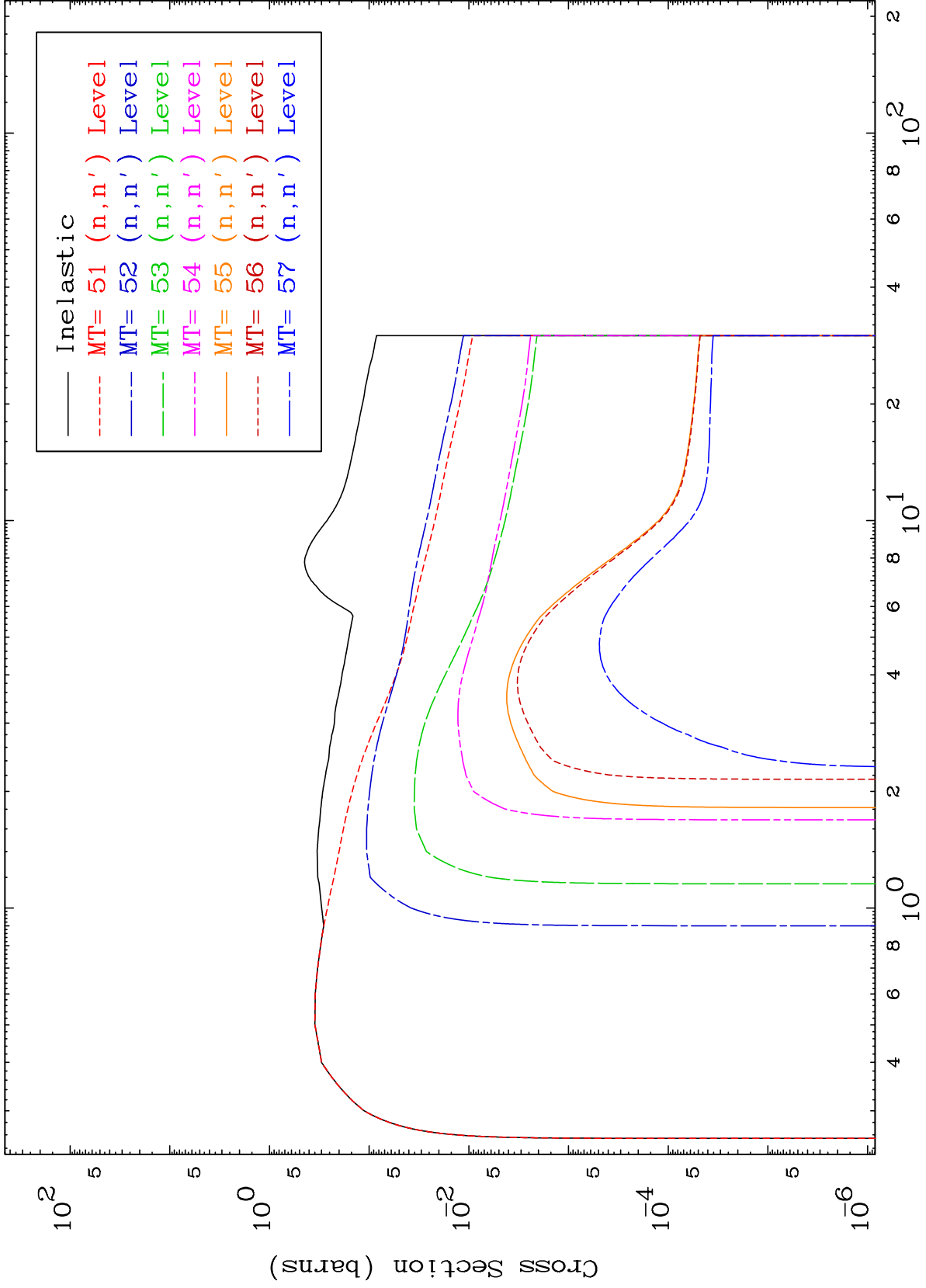


MAT 4810

(n,n') Levels

48-Cd-101

293 Kelvin Cross Sections



8

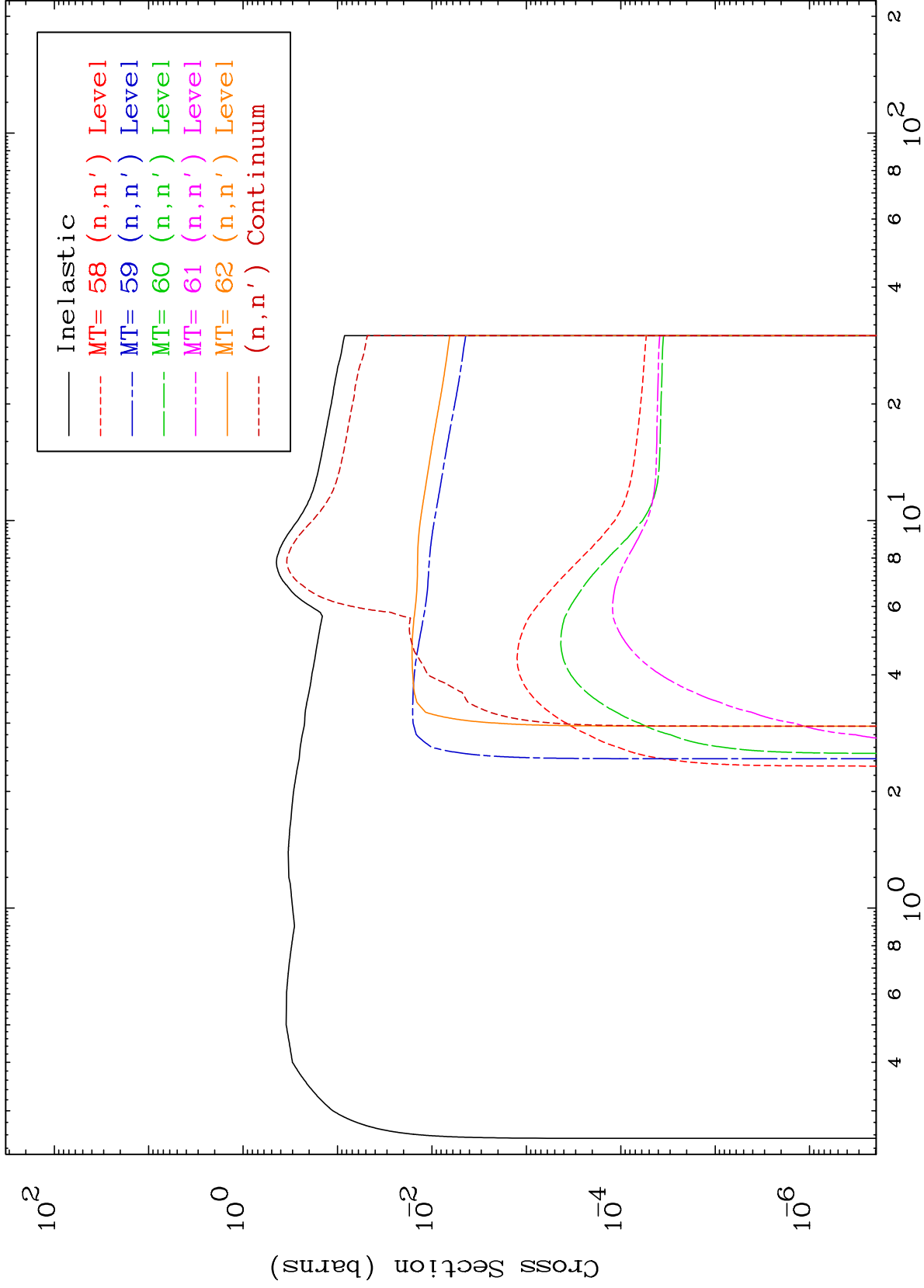
Incident Energy (MeV)

48-Cd-101

MAT 4810

48-Cd-101

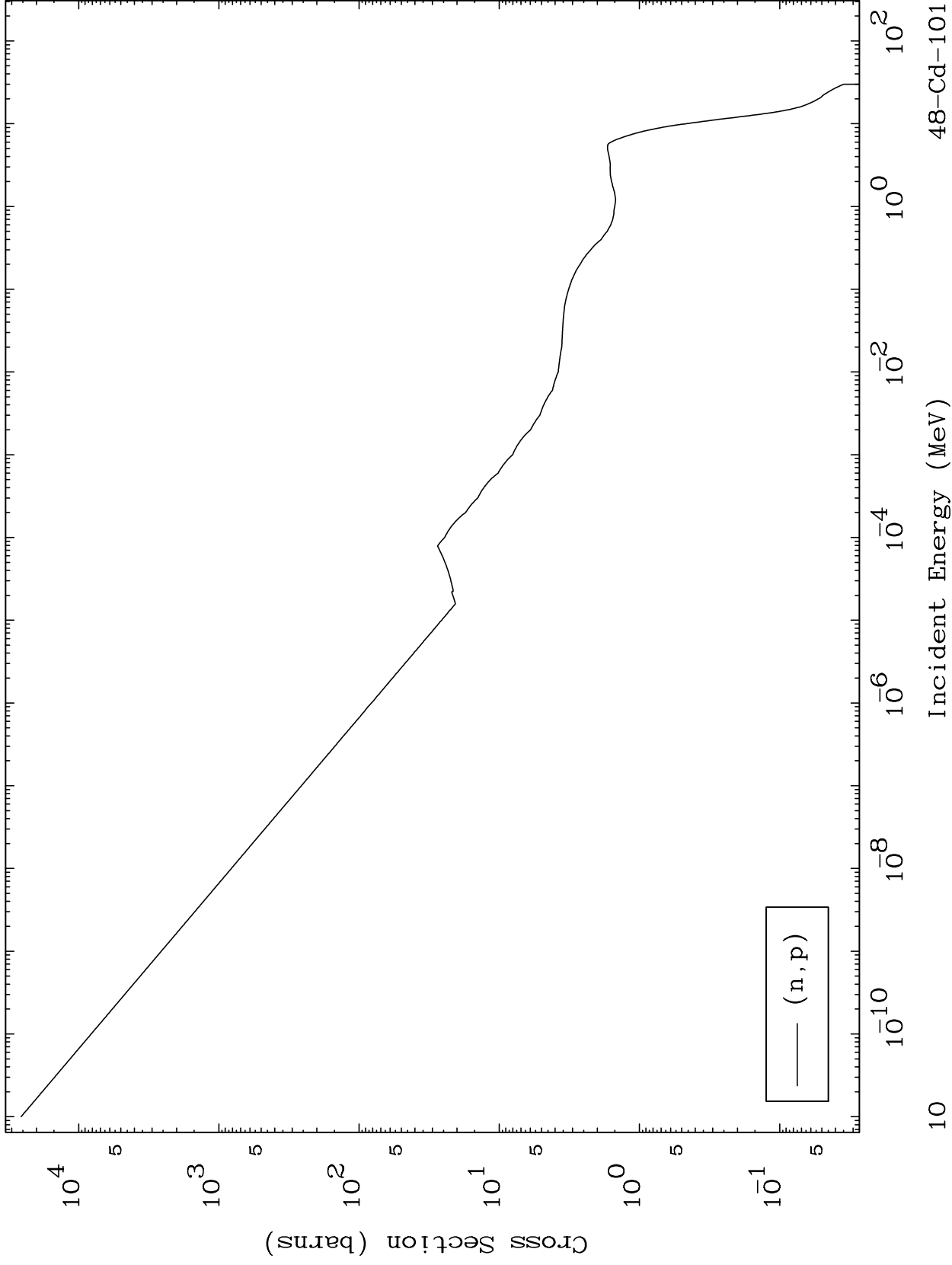
(n,n') Levels
293 Kelvin Cross Sections



MAT 4810

(n,p) Levels
293 Kelvin Cross Sections

48-Cd-101



10

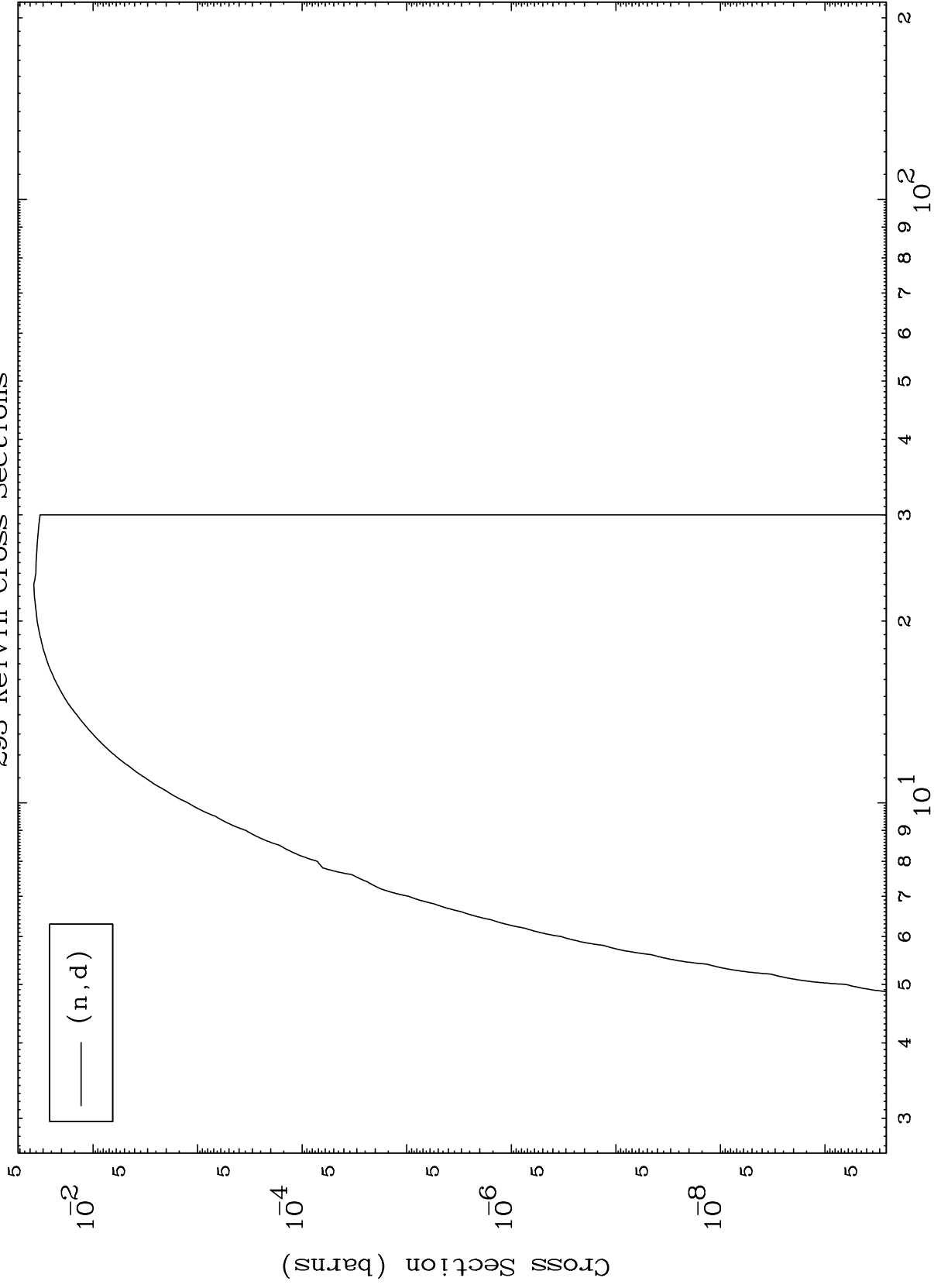
Incident Energy (MeV)

48-Cd-101

MAT 4810

(n,d) Levels
293 Kelvin Cross Sections

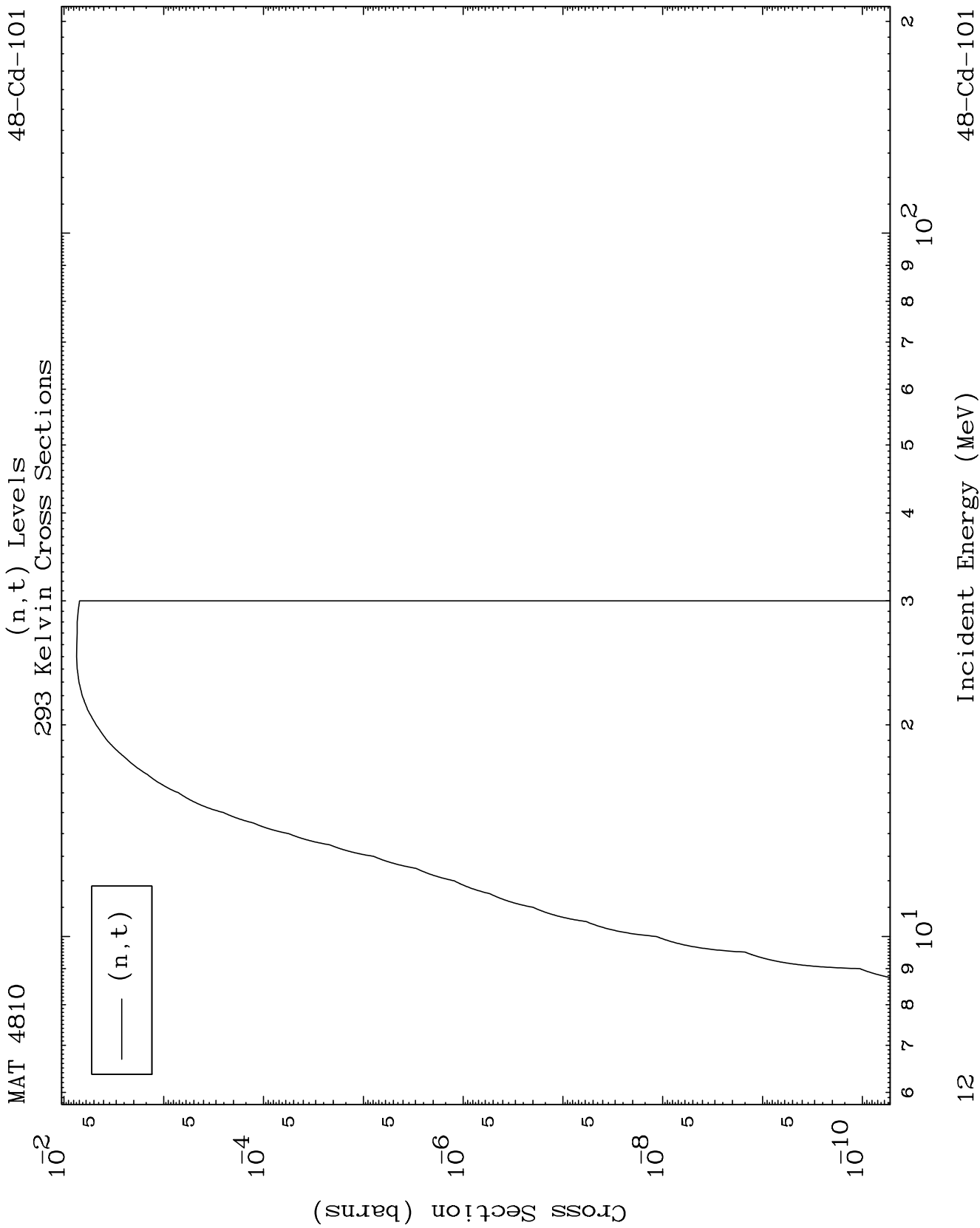
48-Cd-101



11

Incident Energy (MeV)

48-Cd-101



10^{-2}

10^{-4}

10^{-6}

10^{-8}

10^{-10}

(n, t)

10^2

10^1

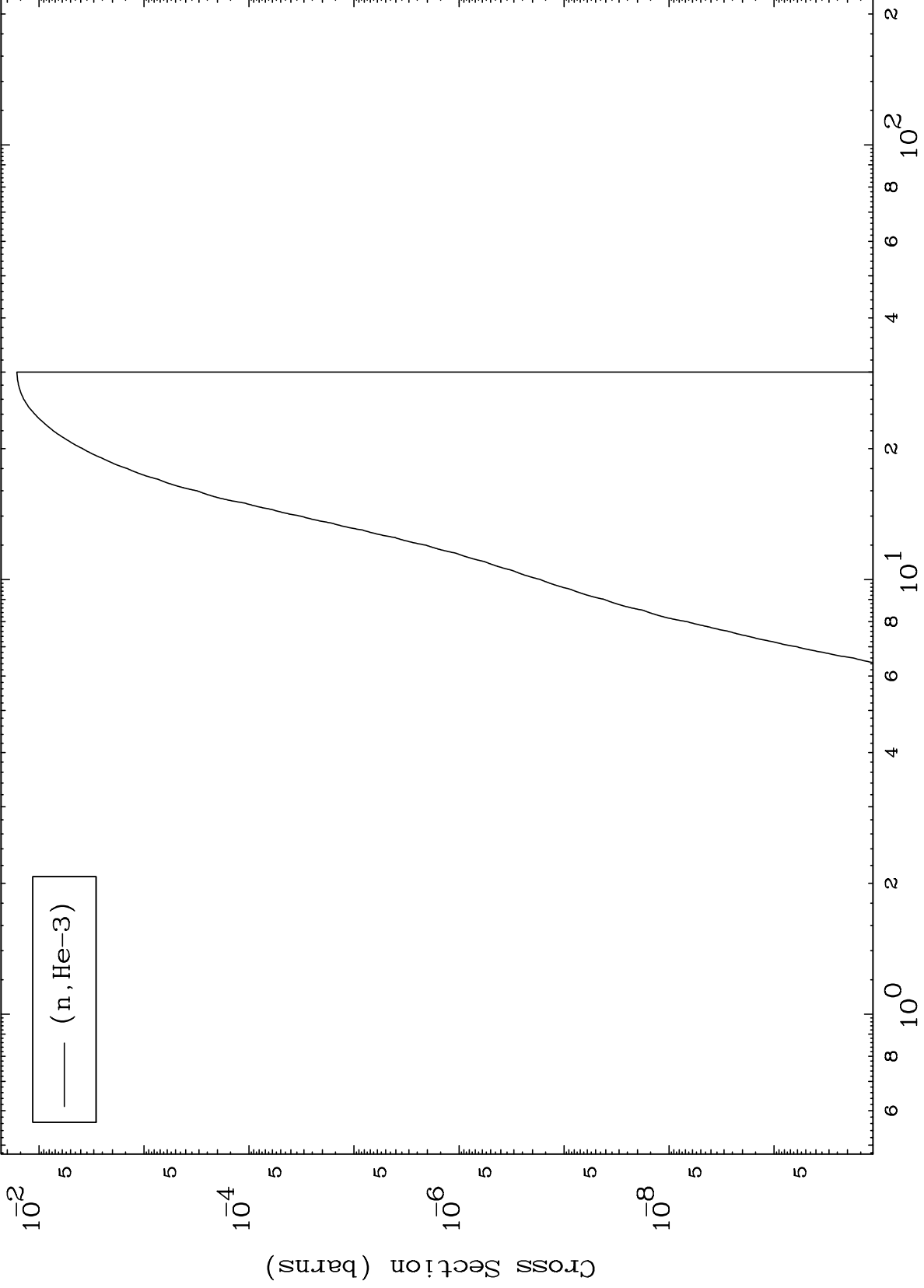
6 7 8 9

2 3 4 5 6 7 8 9

MAT 4810

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-101



13

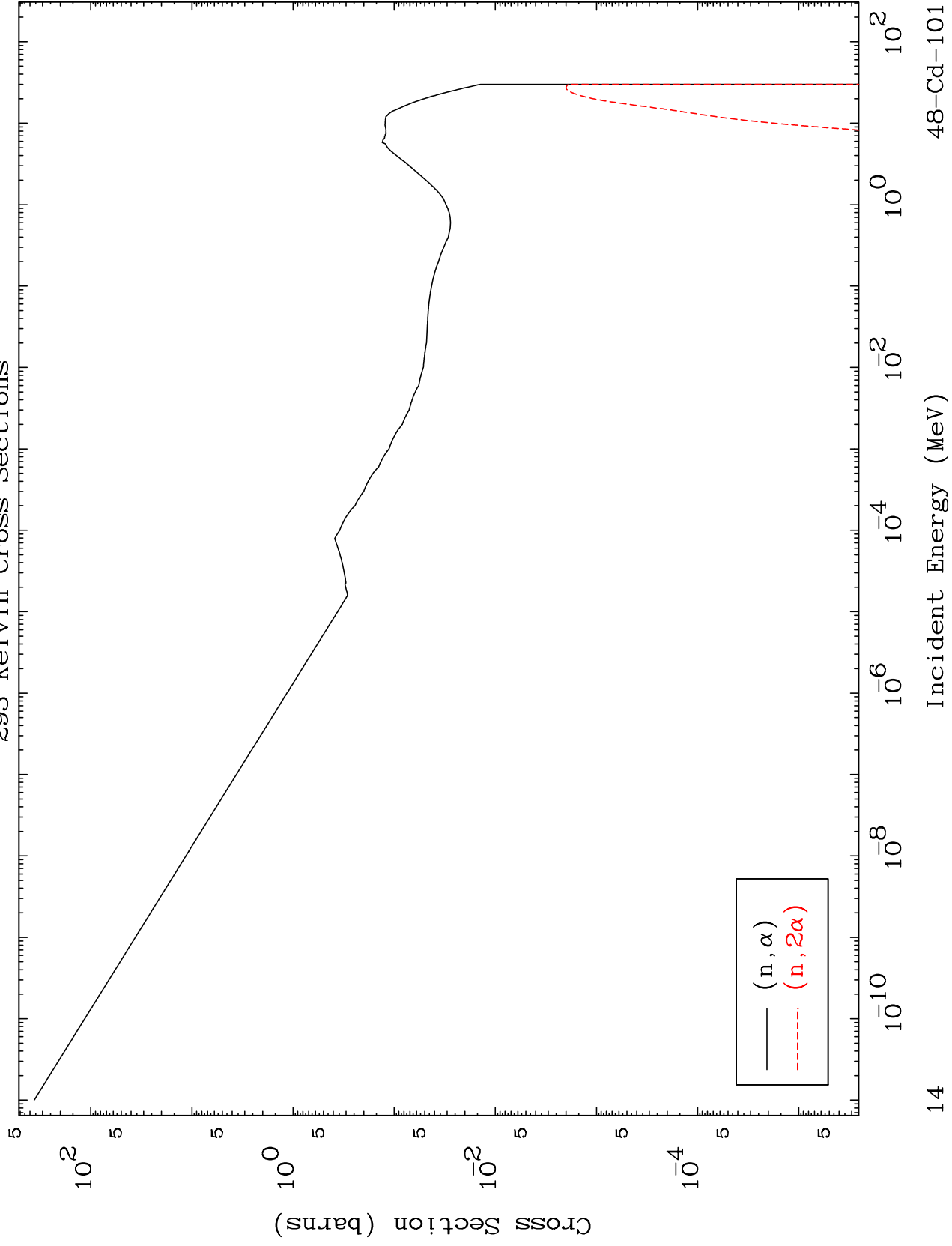
Incident Energy (MeV)

48-Cd-101

MAT 4810

(n,α) Levels
293 Kelvin Cross Sections

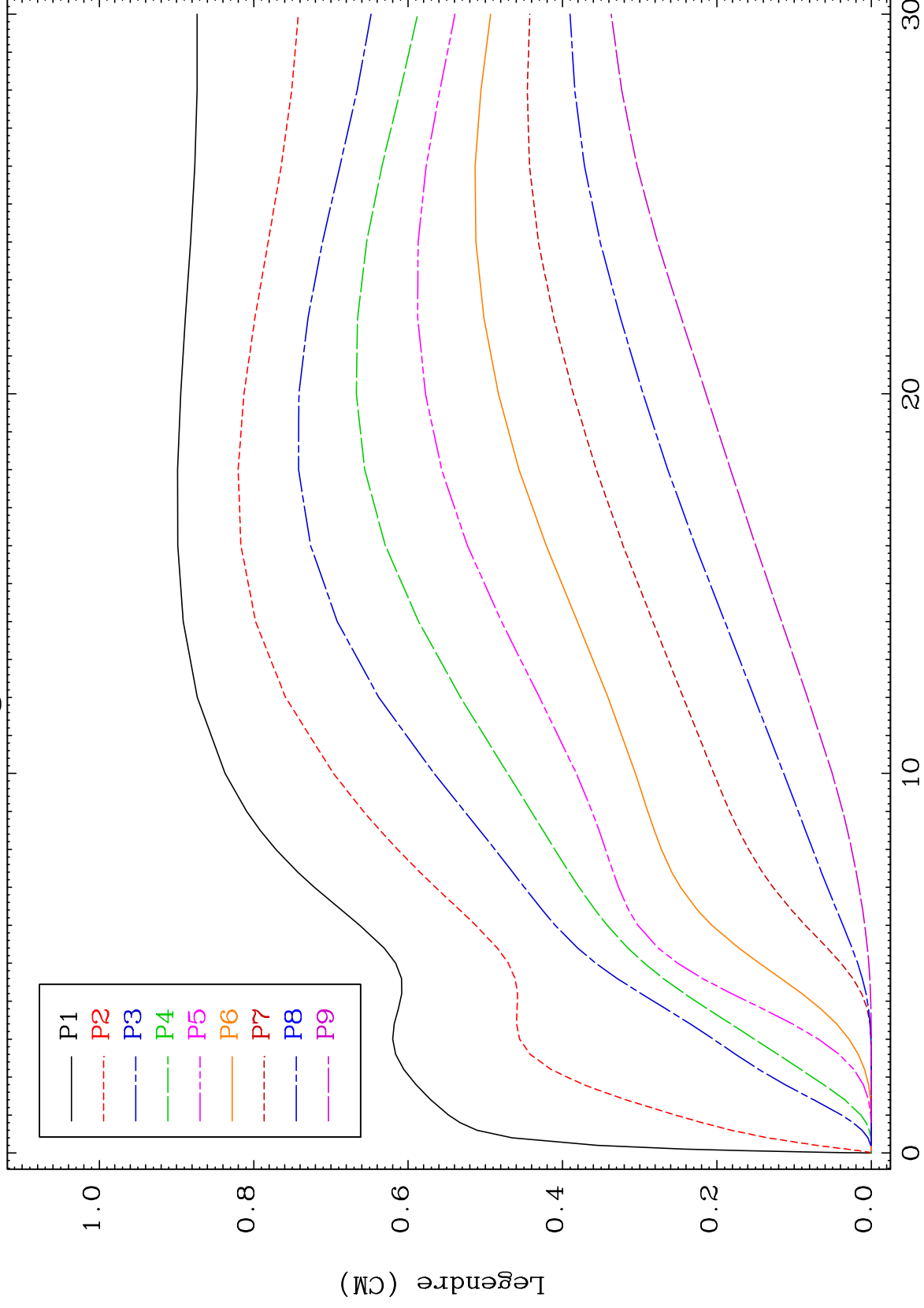
48-Cd-101



MAT 4810

Elastic Legendre Coefficients

48-Cd-101

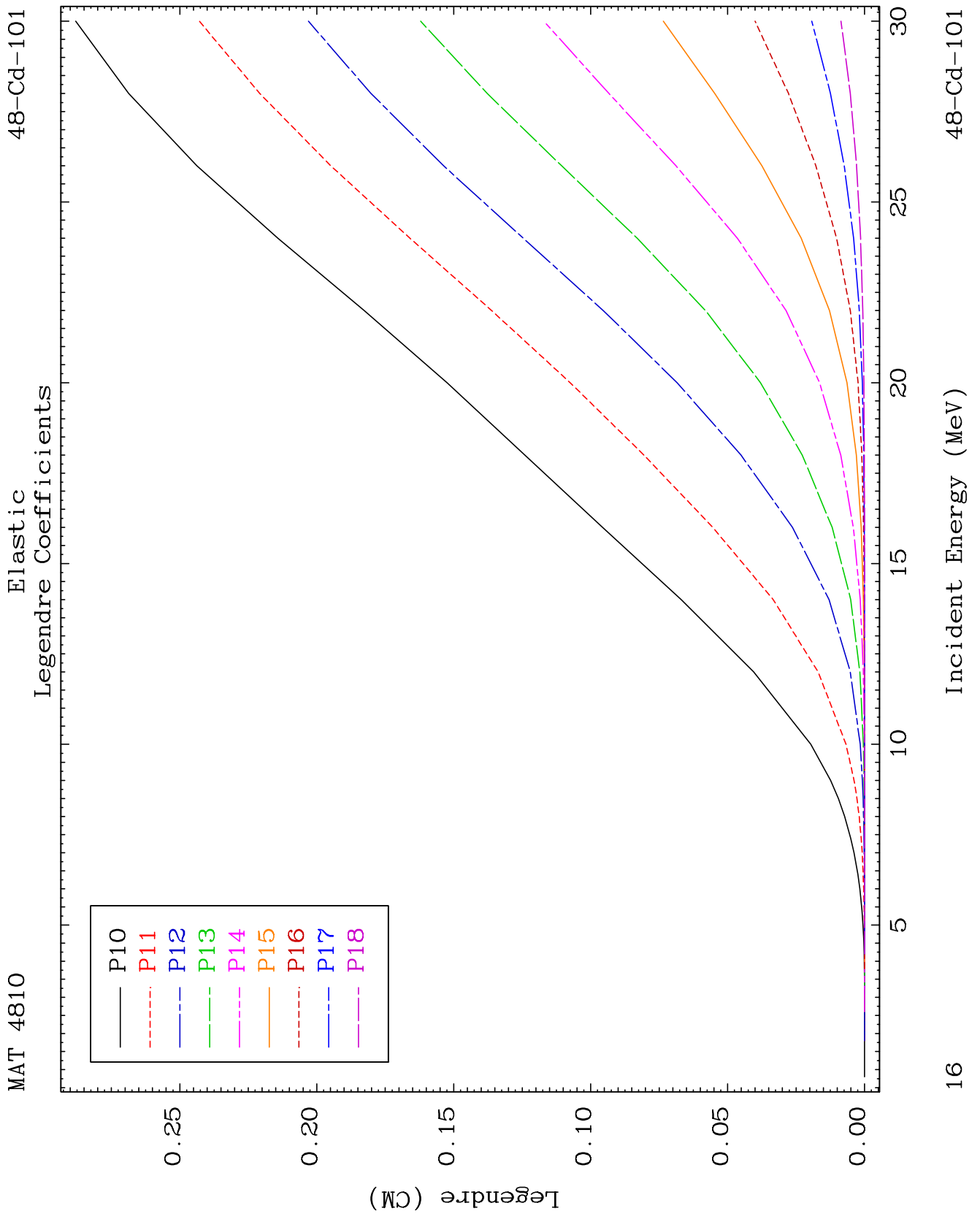


15

Incident Energy (MeV)

48-Cd-101

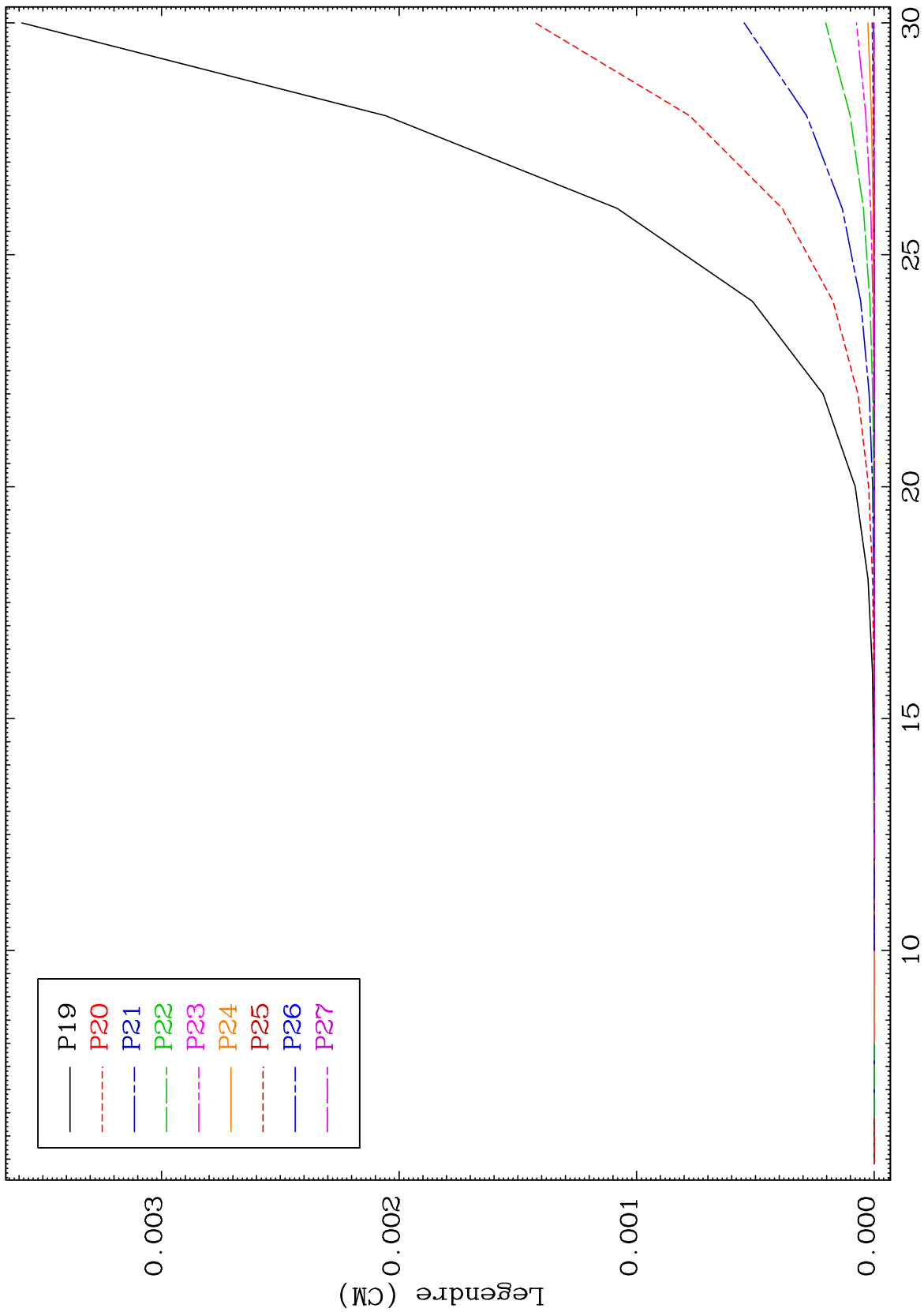
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MAT 4810

Elastic Legendre Coefficients

48-Cd-101



17

Incident Energy (MeV)

48-Cd-101

MAT 4810

Elastic Legendre Coefficients

48-Cd-101

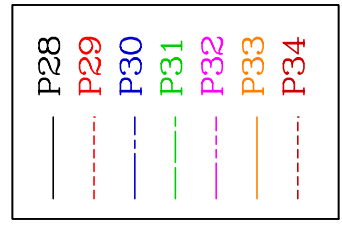
$\times 10^{-7}$
0.5

Legendre (CM)

0.0

-0.5

-1.0



15

20

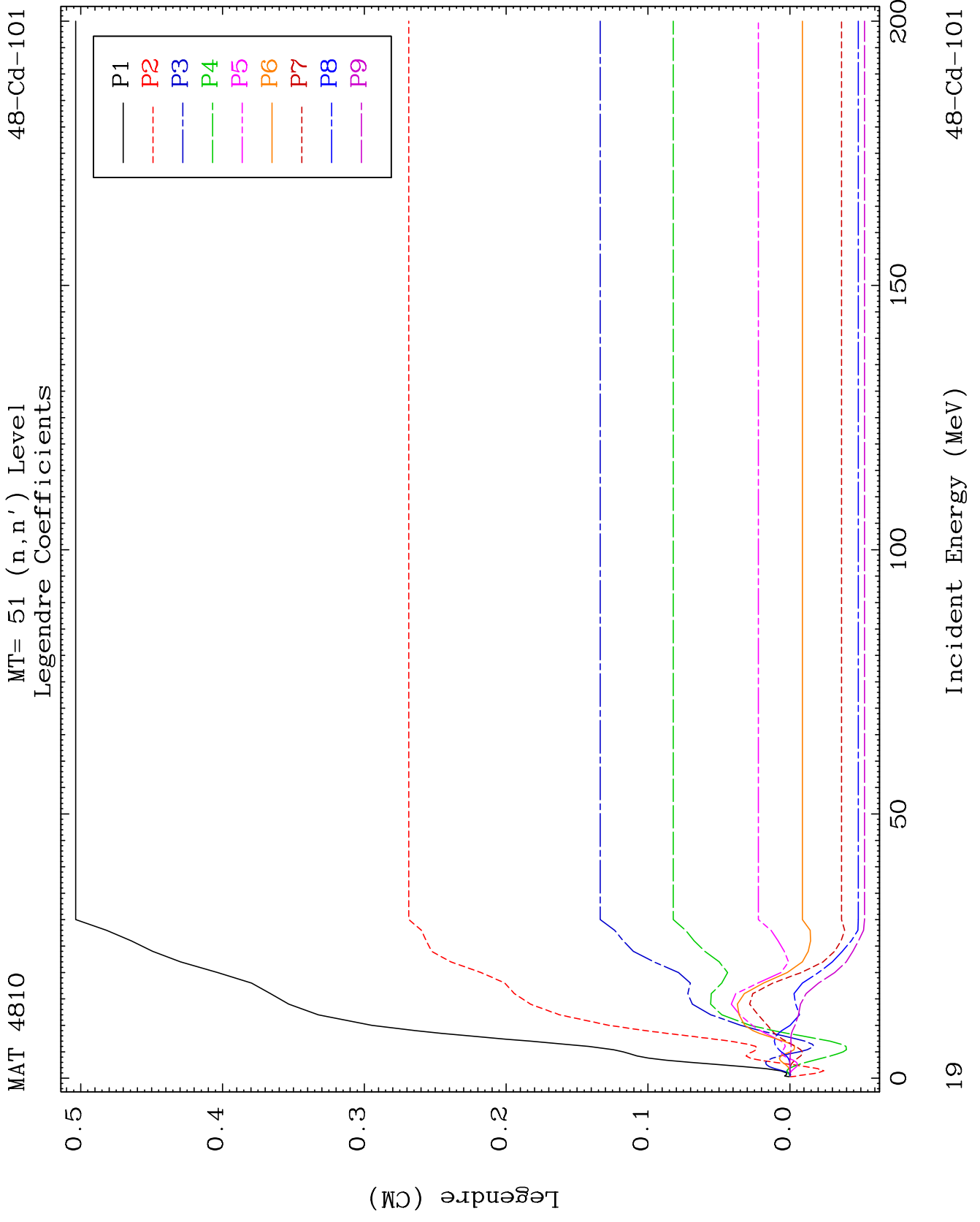
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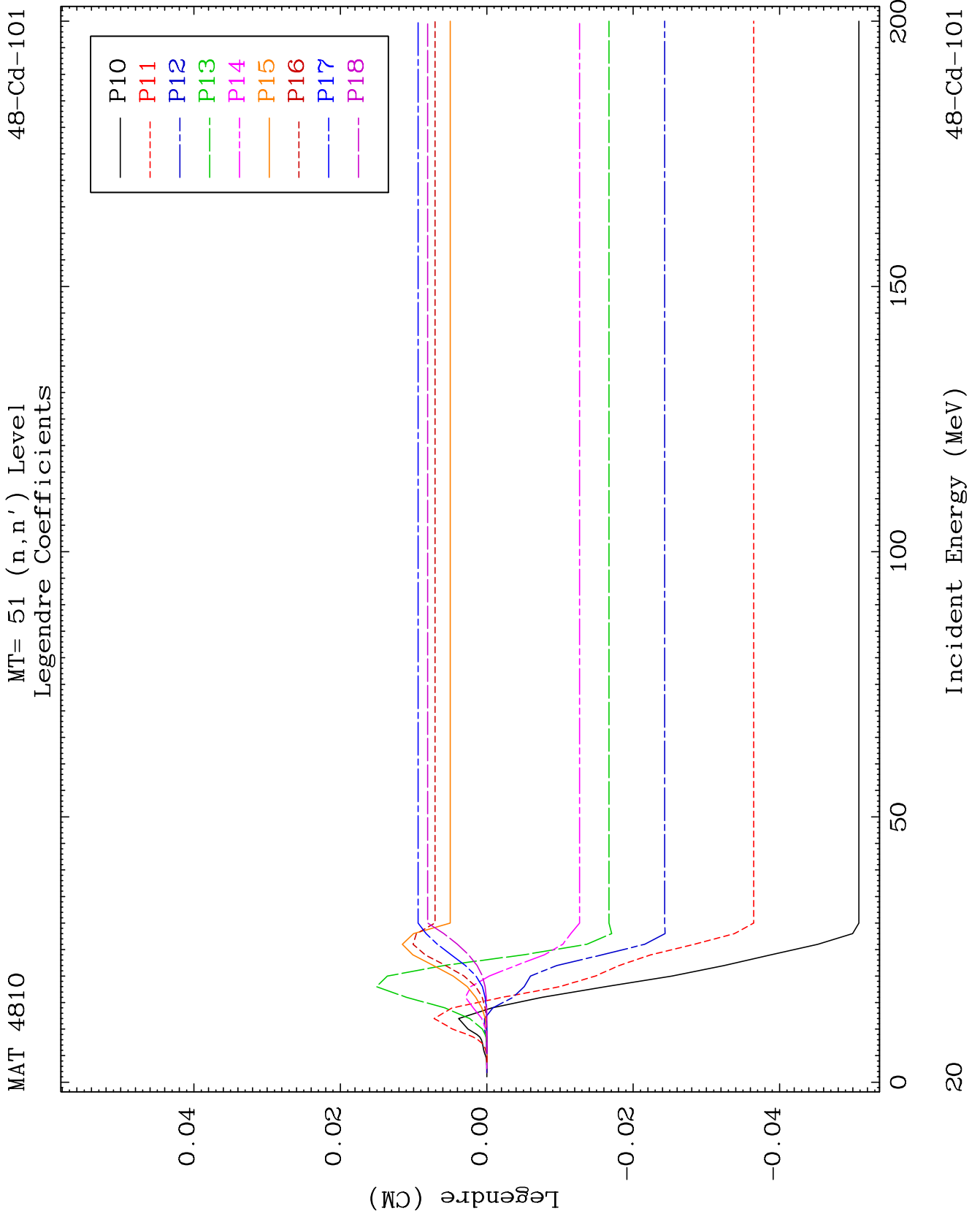
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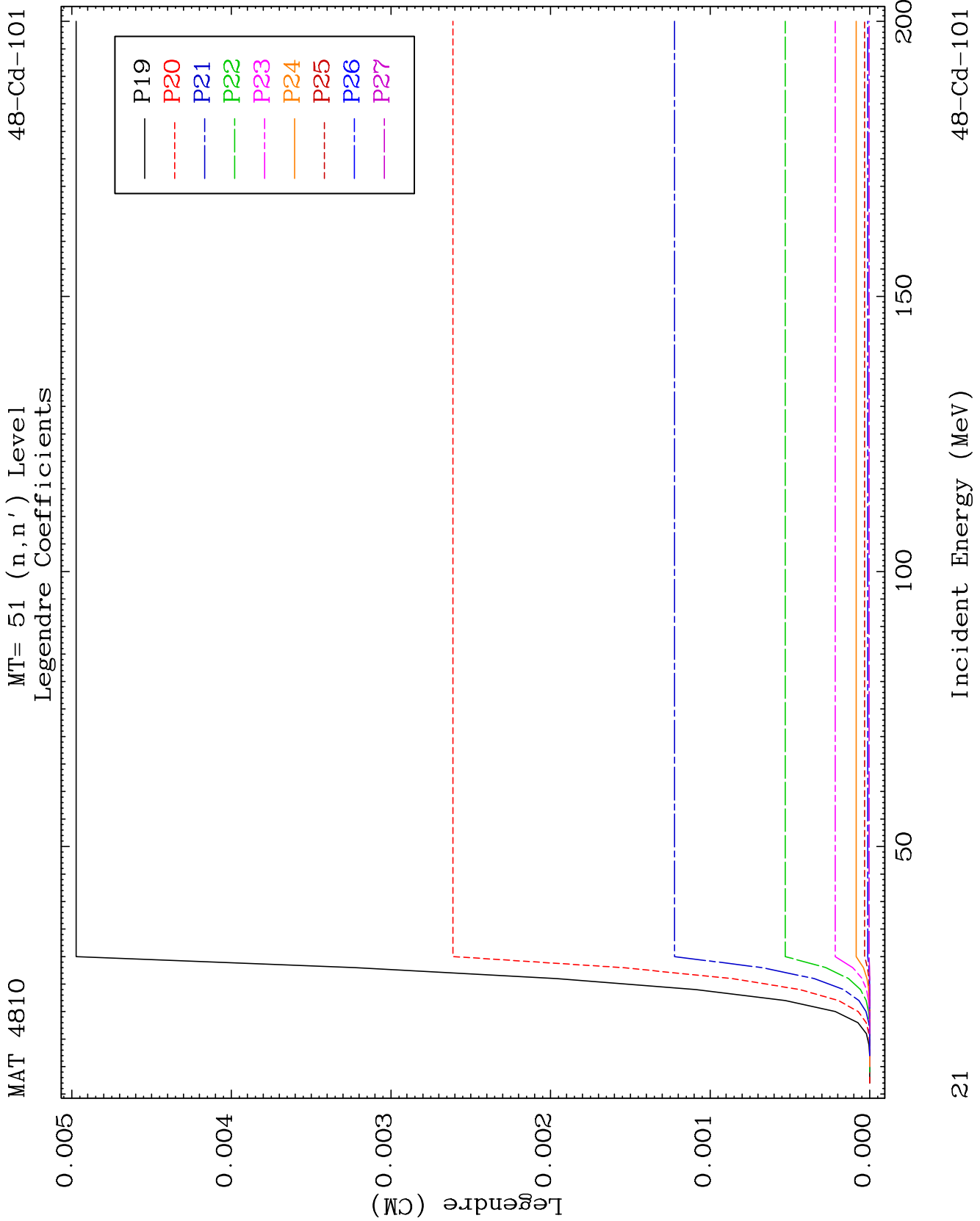
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Incident Energy (MeV)

48-Cd-101



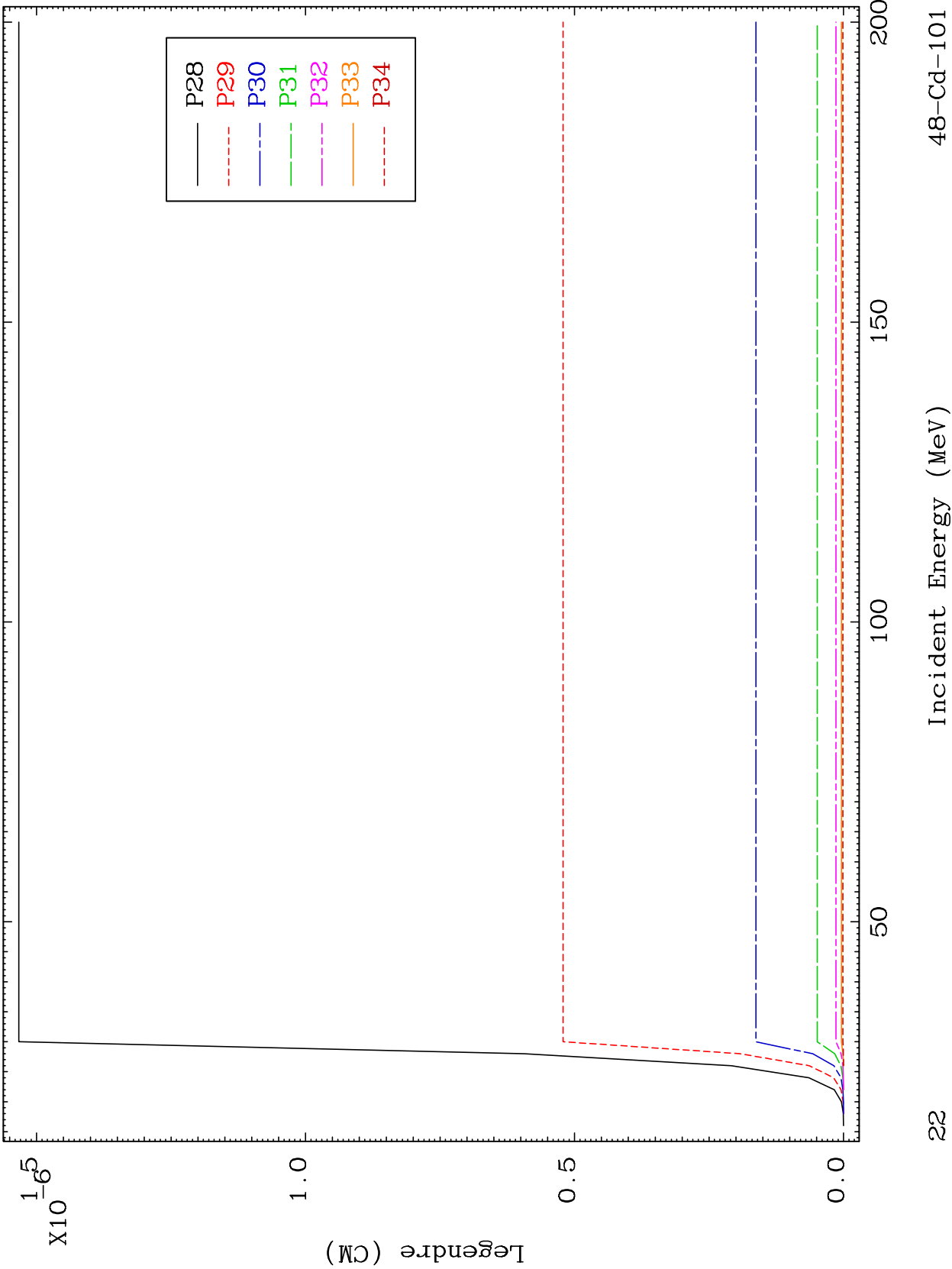




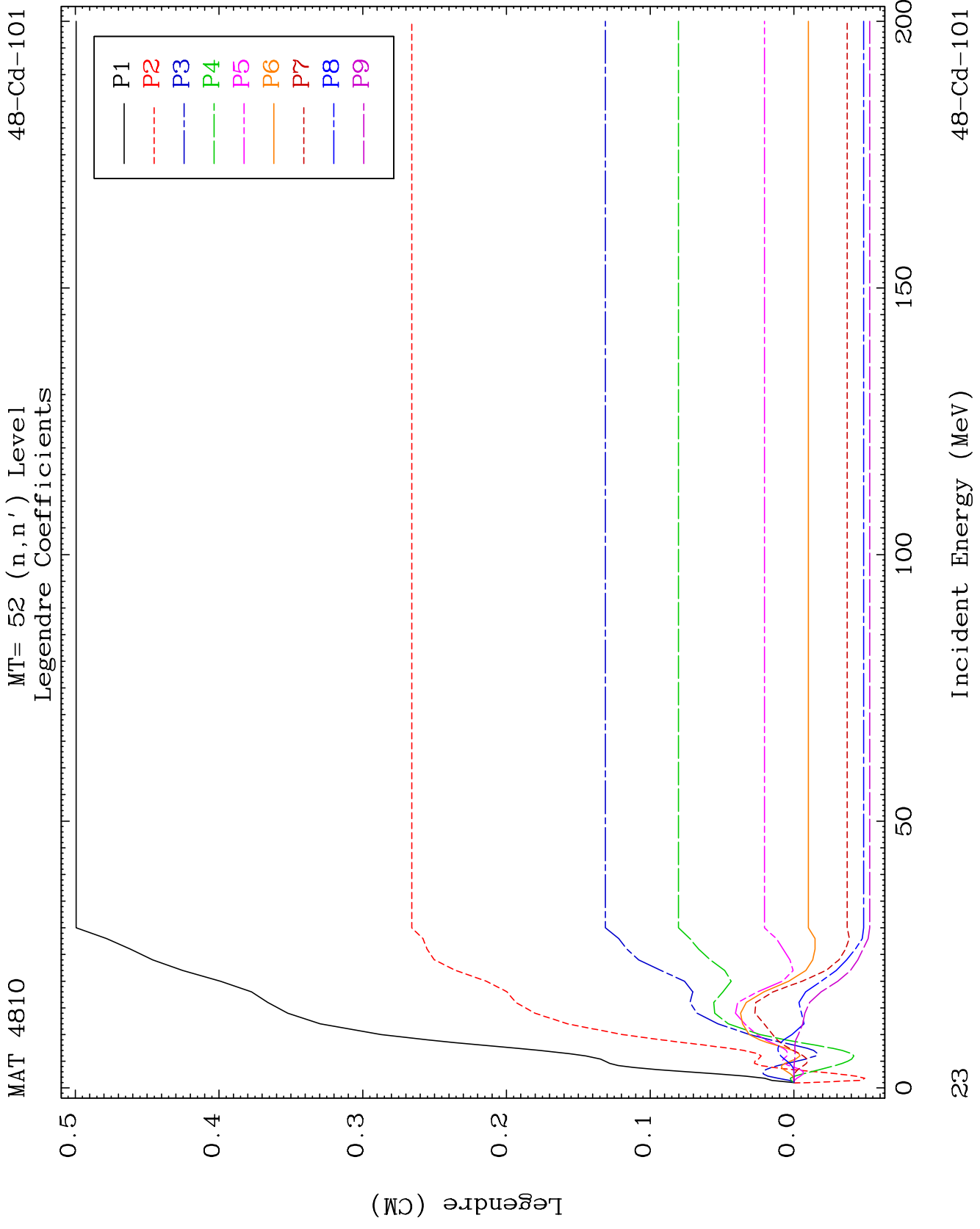
MAT 4810

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

48-Cd-101



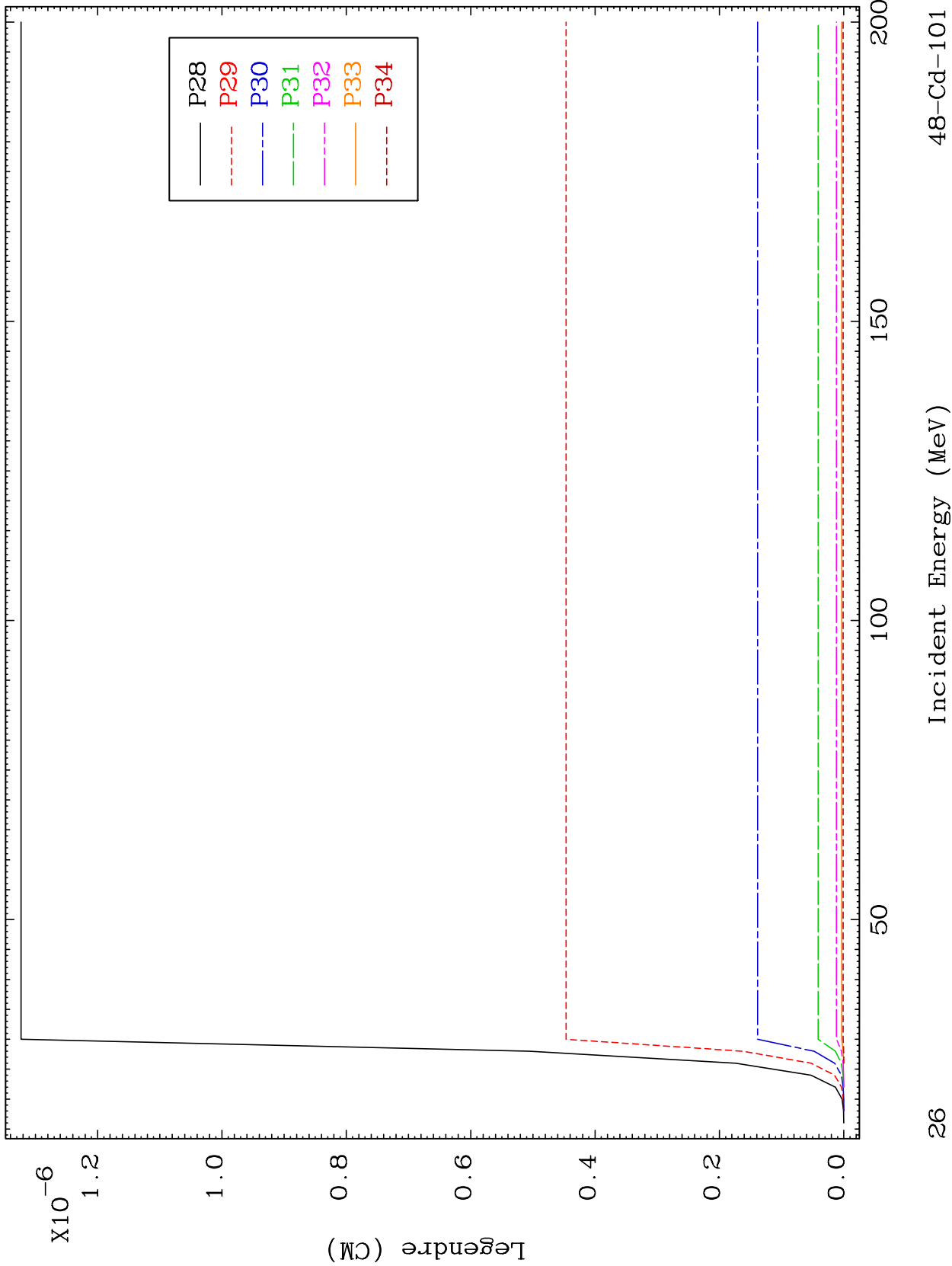
22



MAT 4810

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

48-Cd-101



26

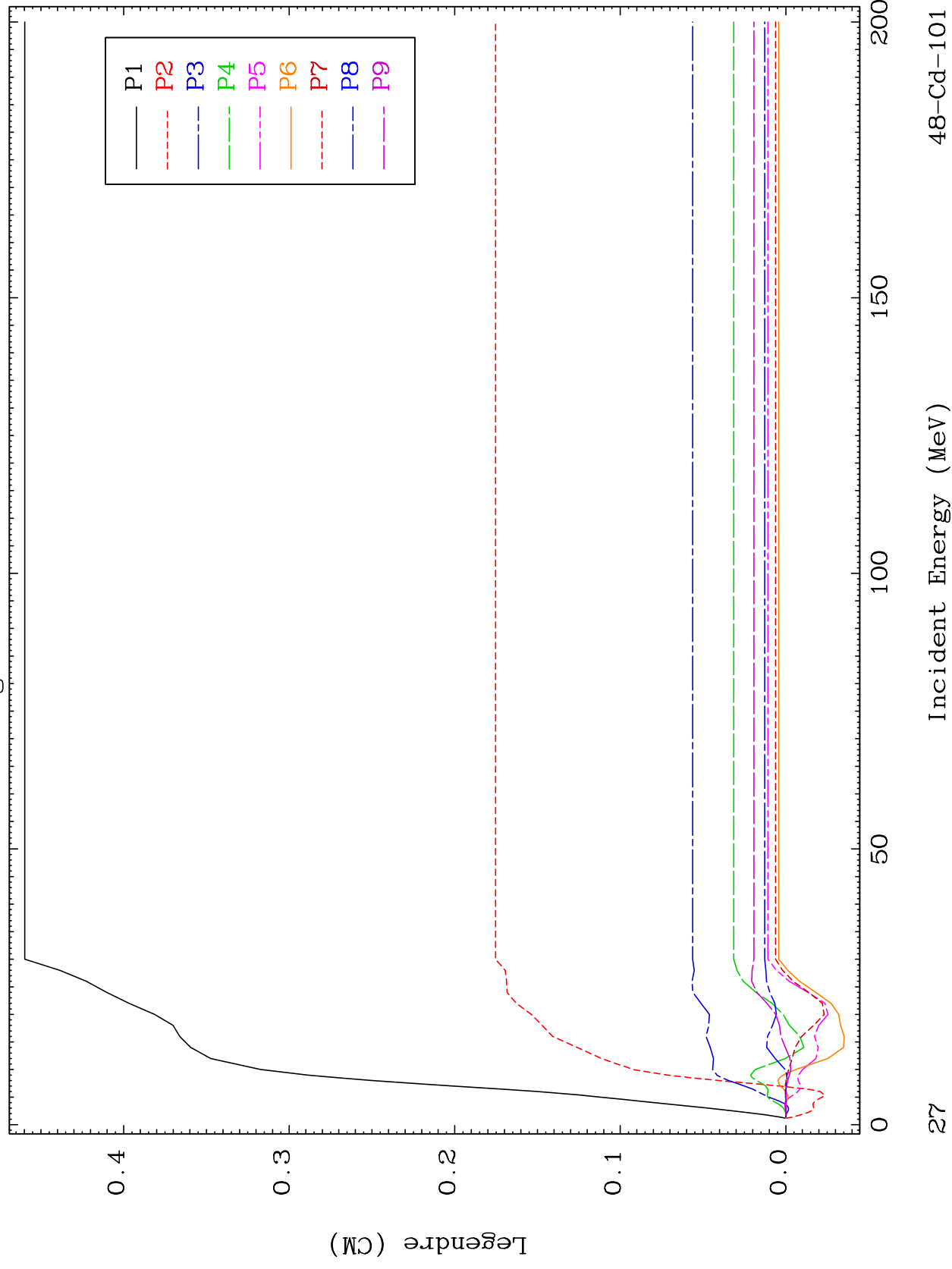
Incident Energy (MeV)

48-Cd-101

MAT 4810

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

48-Cd-101



48-Cd-101

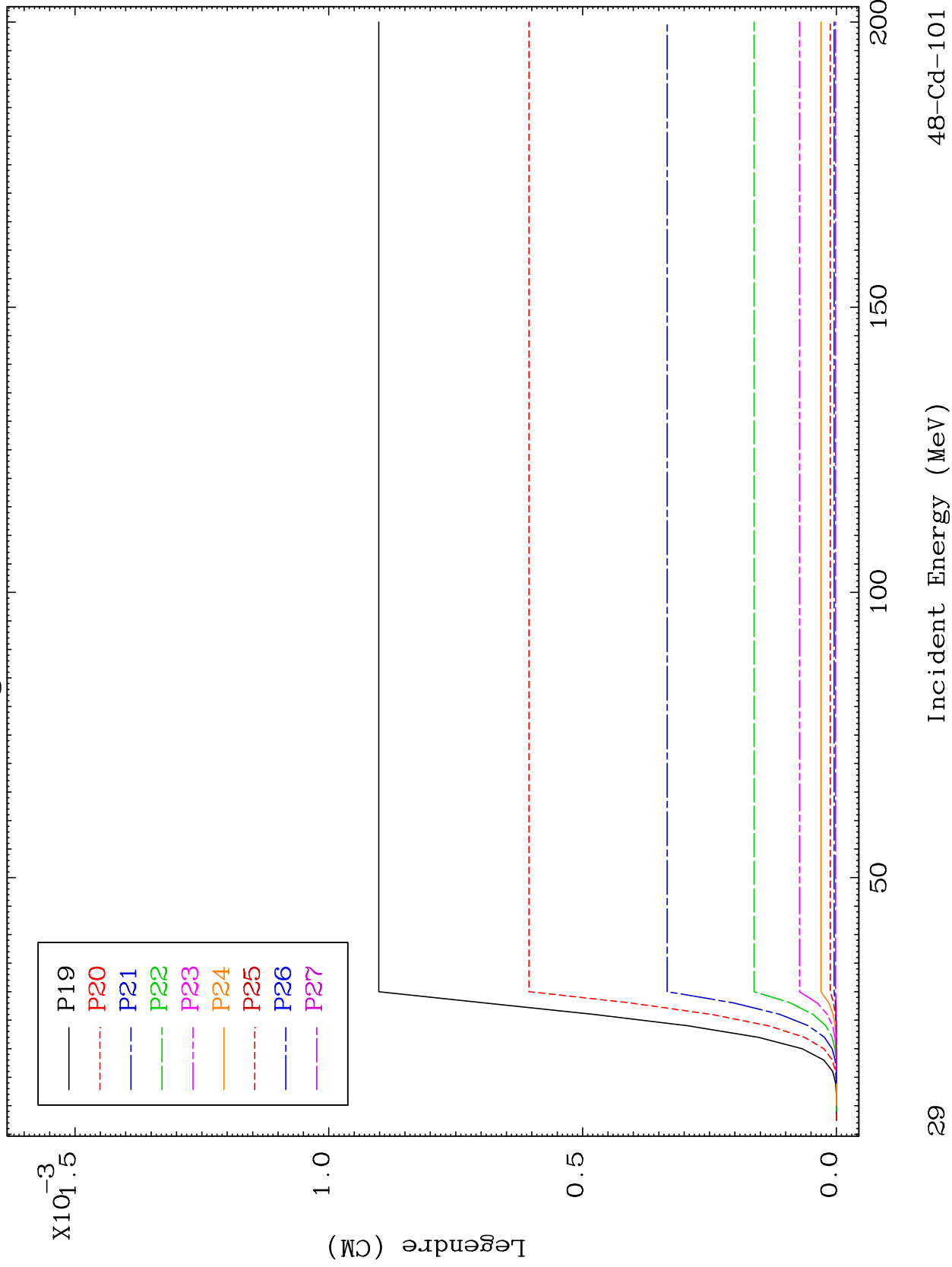
Incident Energy (MeV)

27

MAT 4810

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

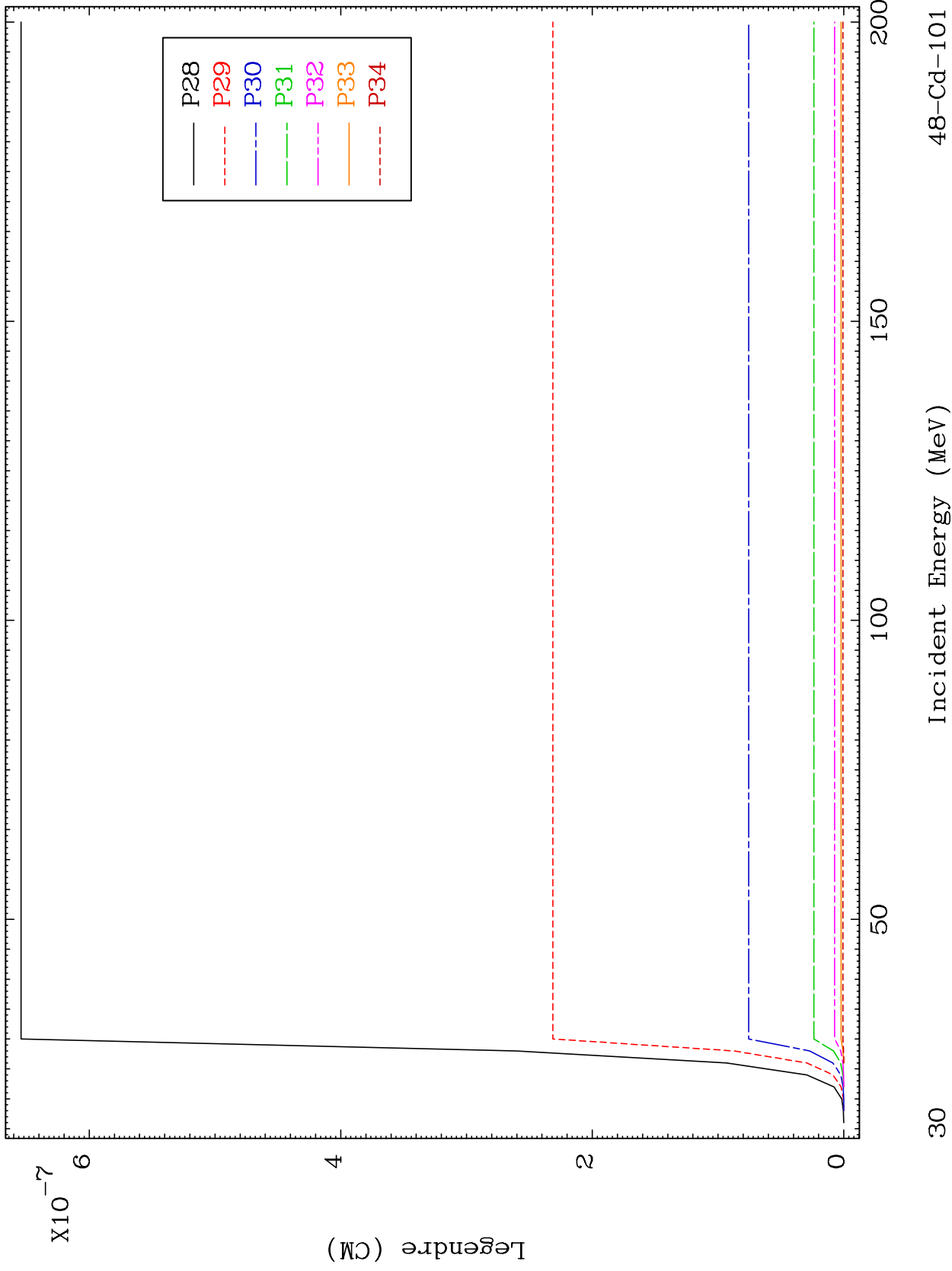
48-Cd-101



MAT 4810

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

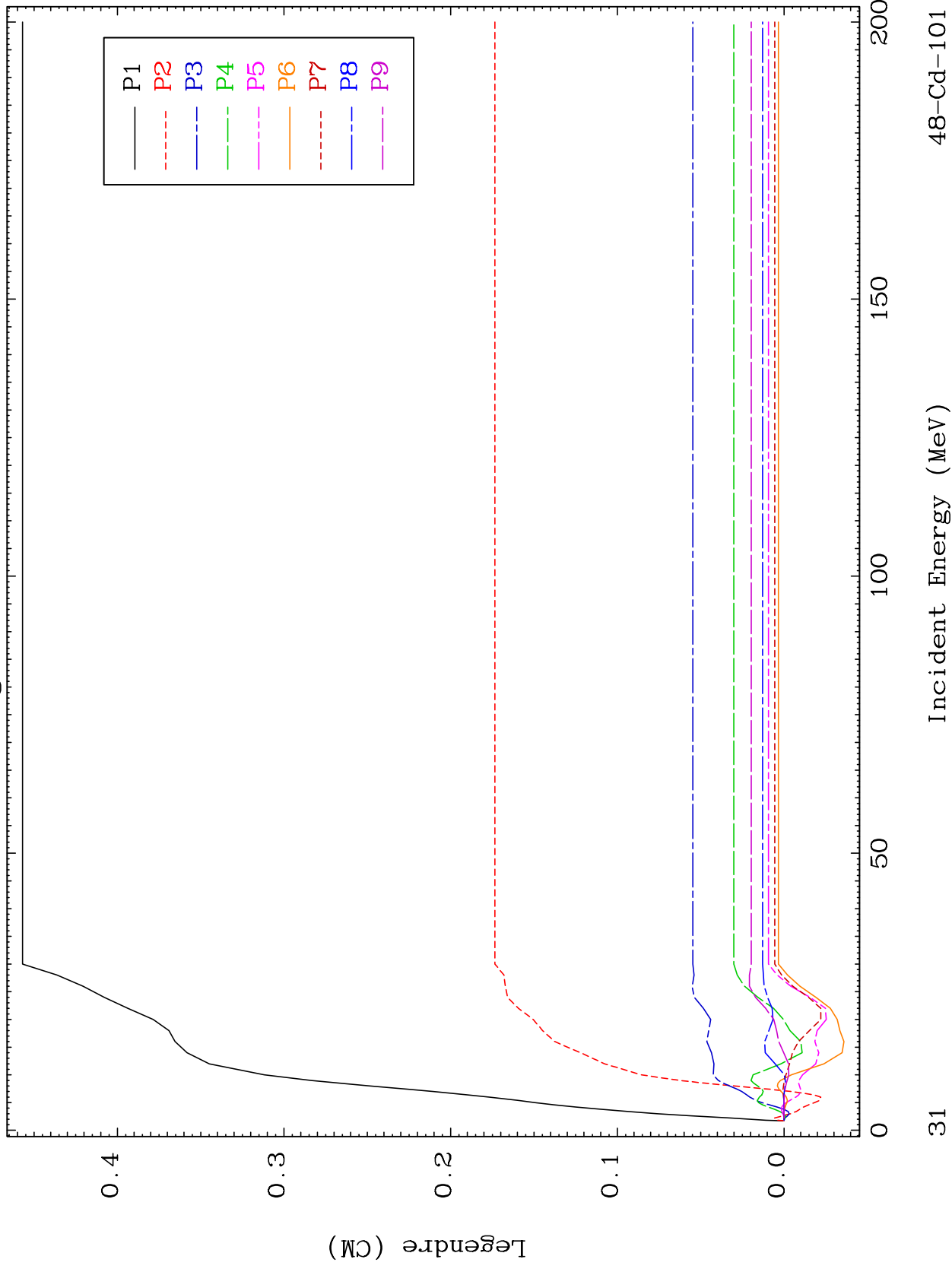
48-Cd-101



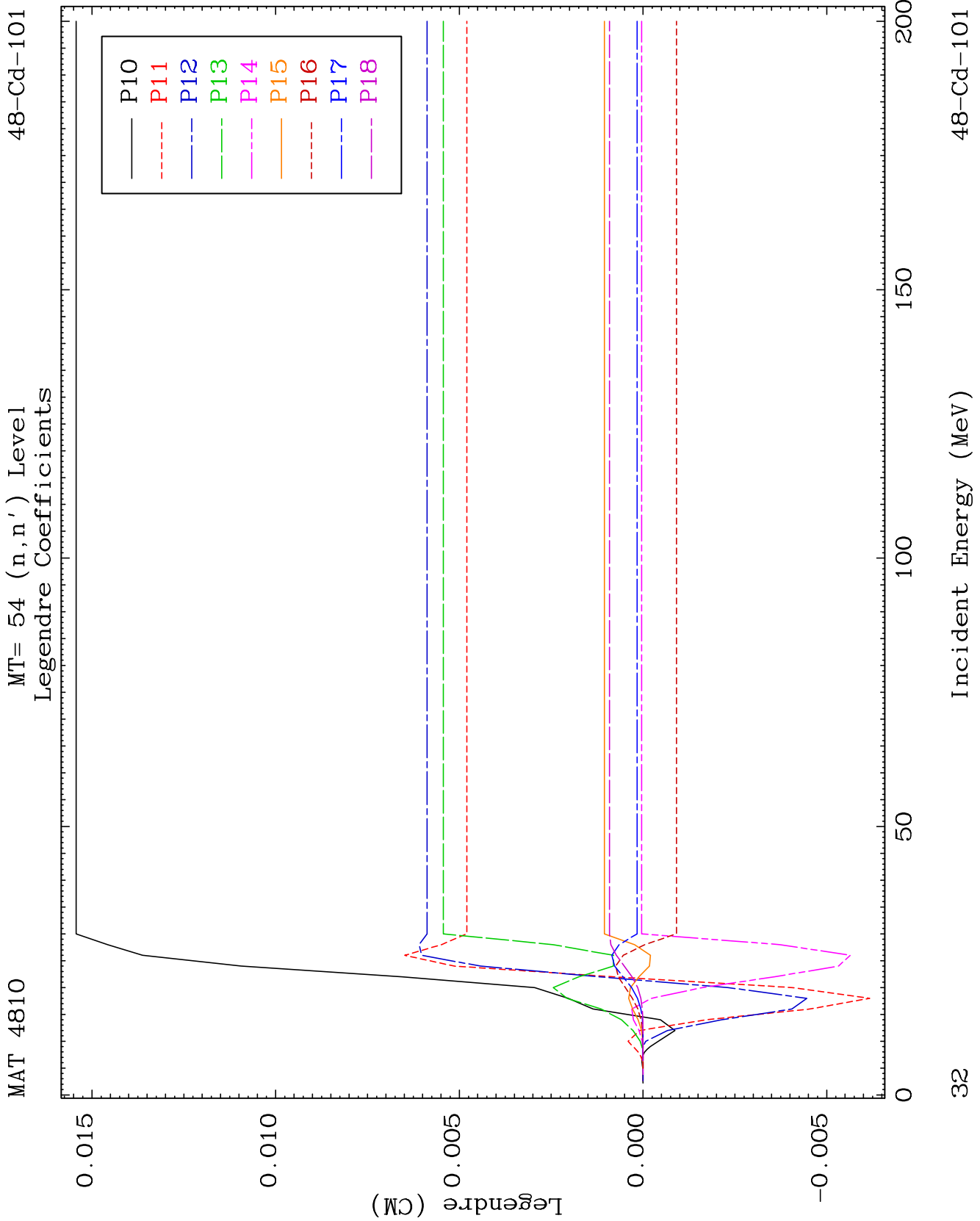
MAT 4810

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

48-Cd-101



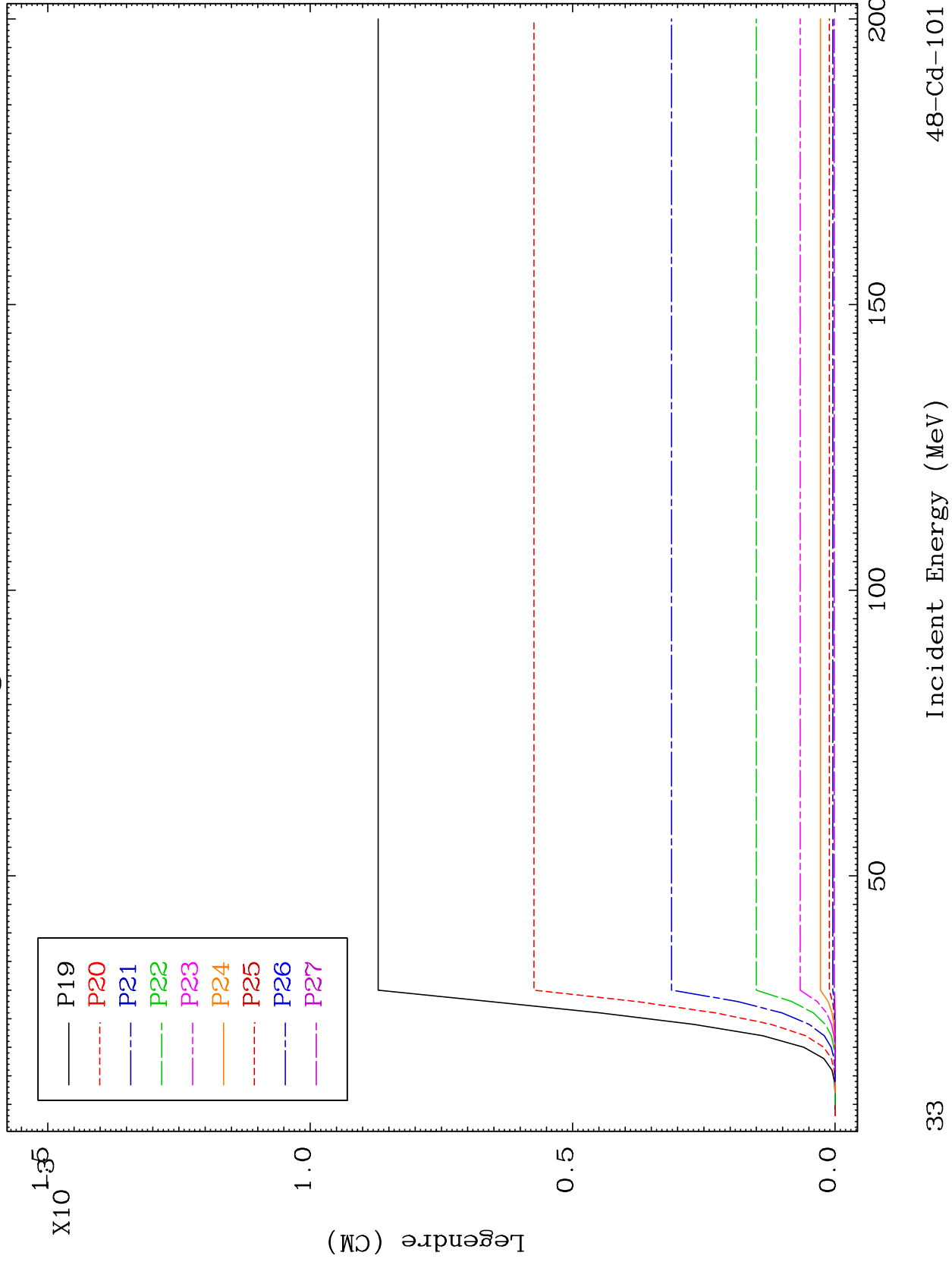
31



MAT 4810

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

48-Cd-101



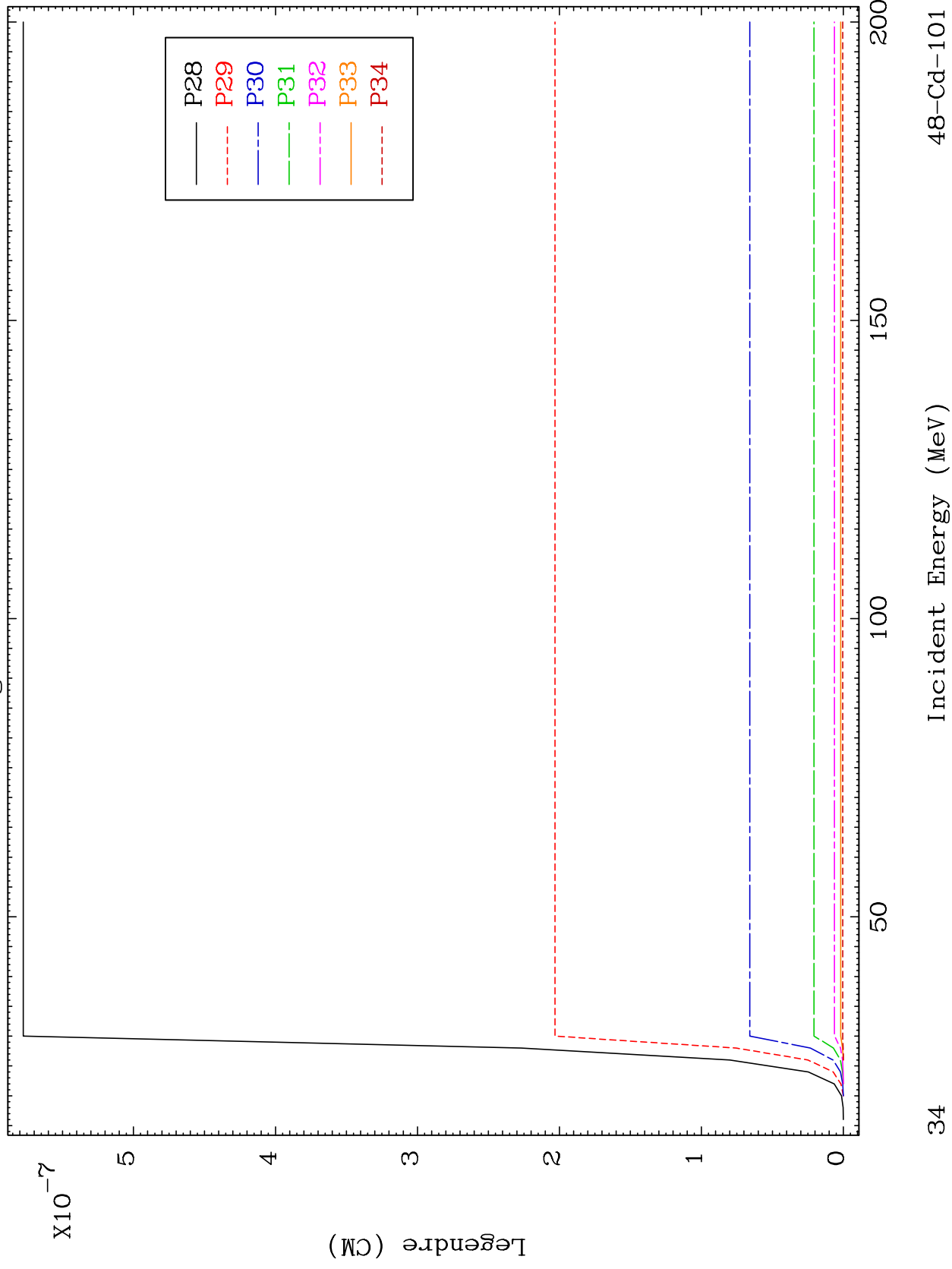
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48-Cd-101

MAT 4810

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

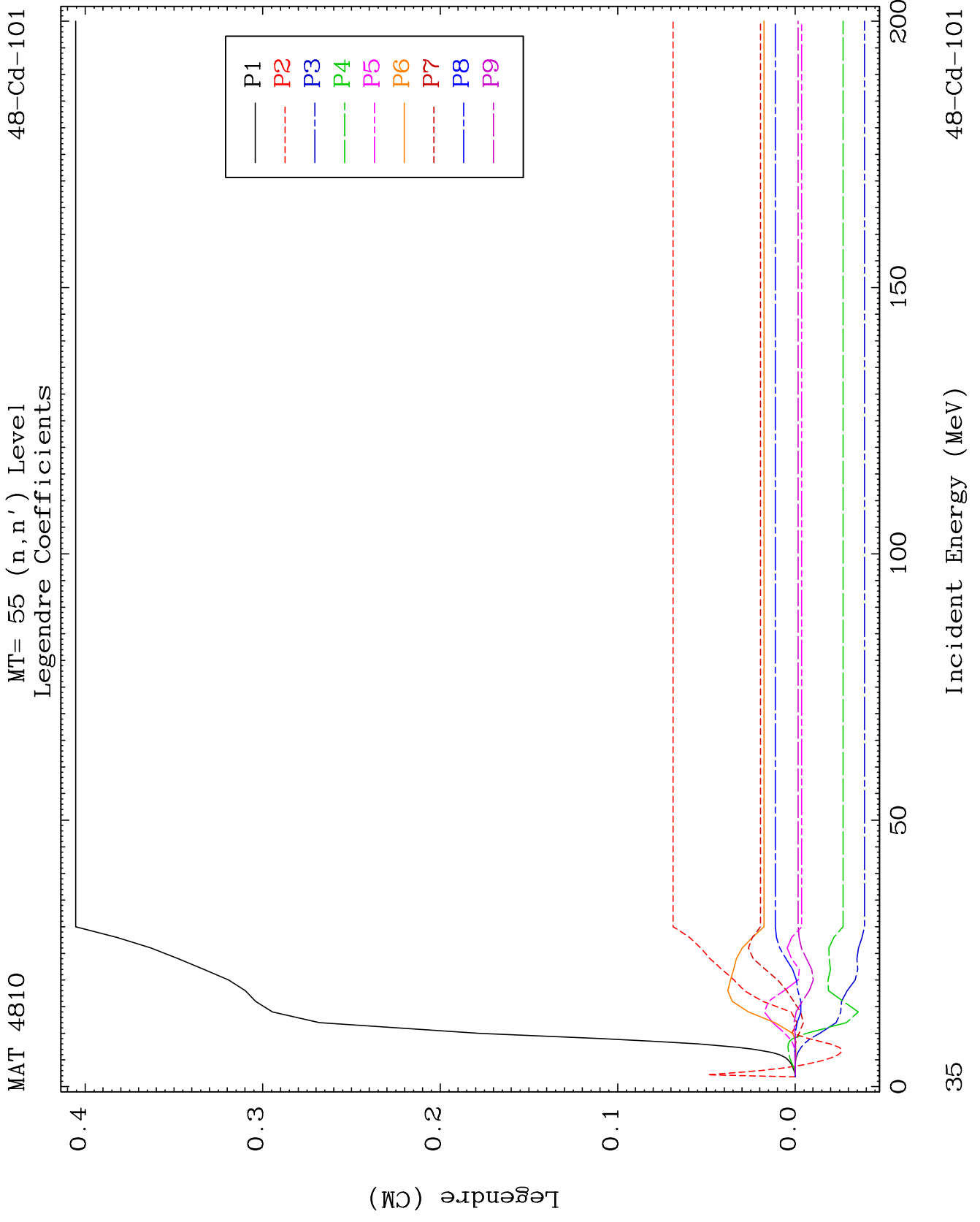
48-Cd-101



34

Incident Energy (MeV)

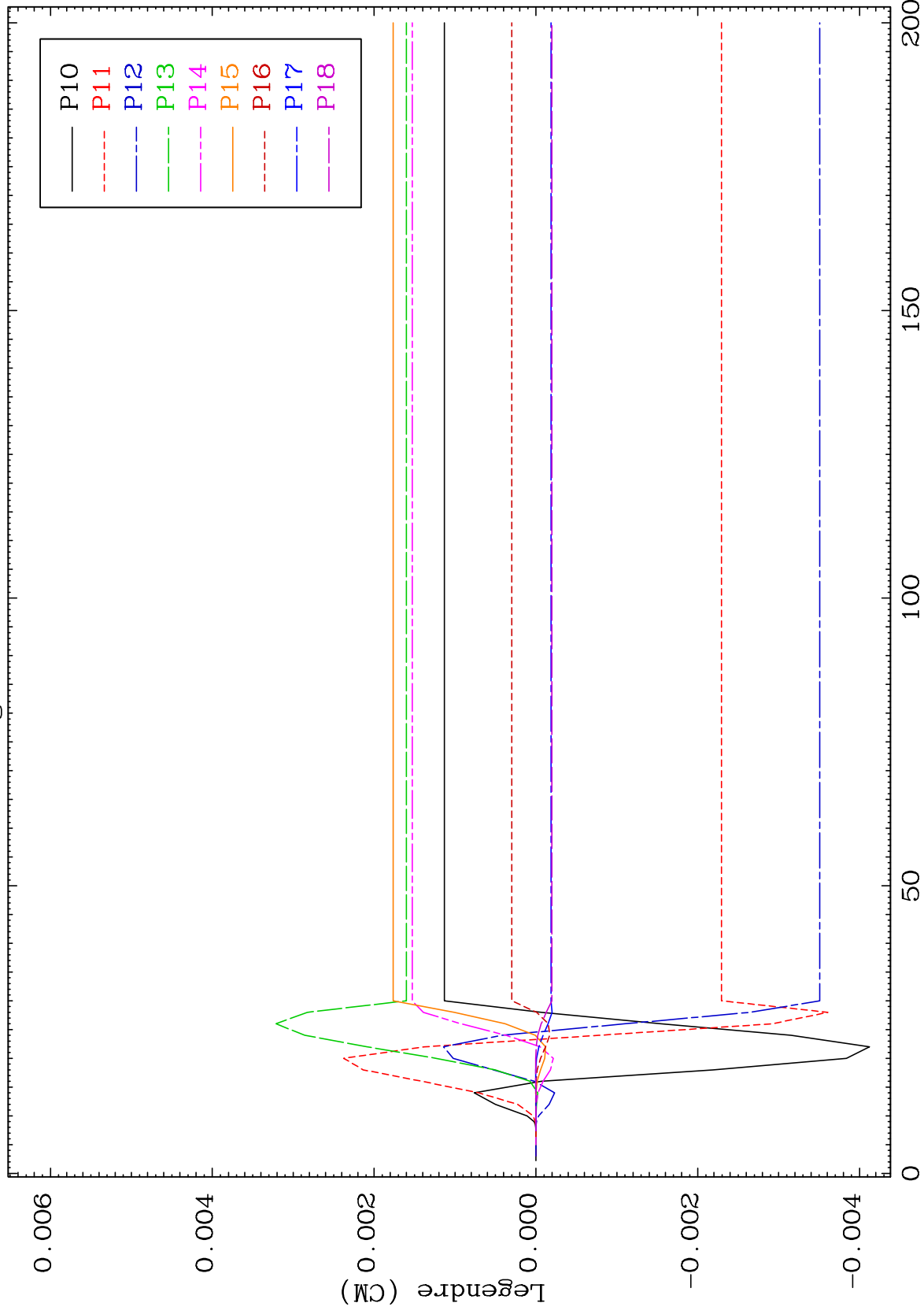
48-Cd-101



MAT 4810

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

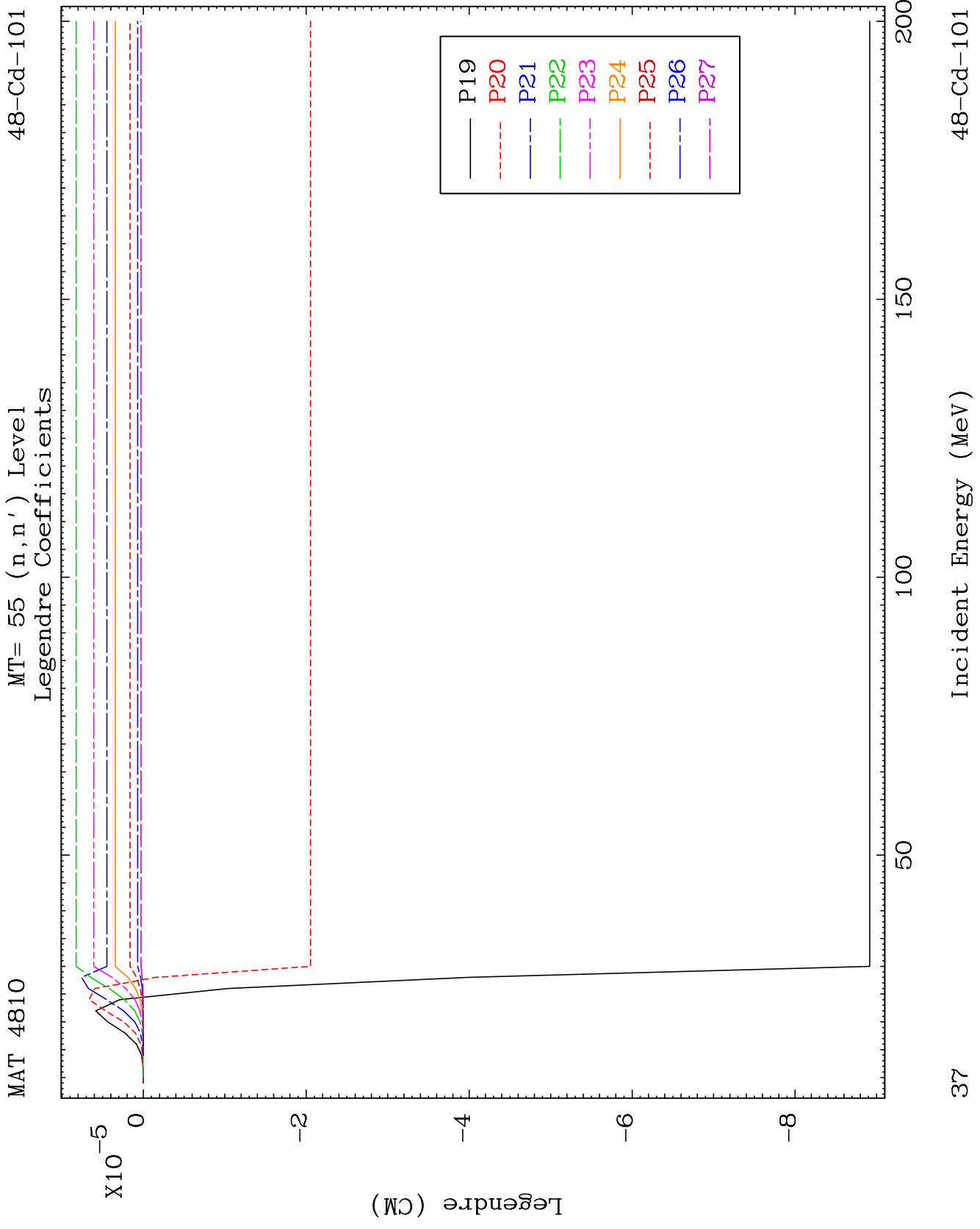
48-Cd-101



36

Incident Energy (MeV)

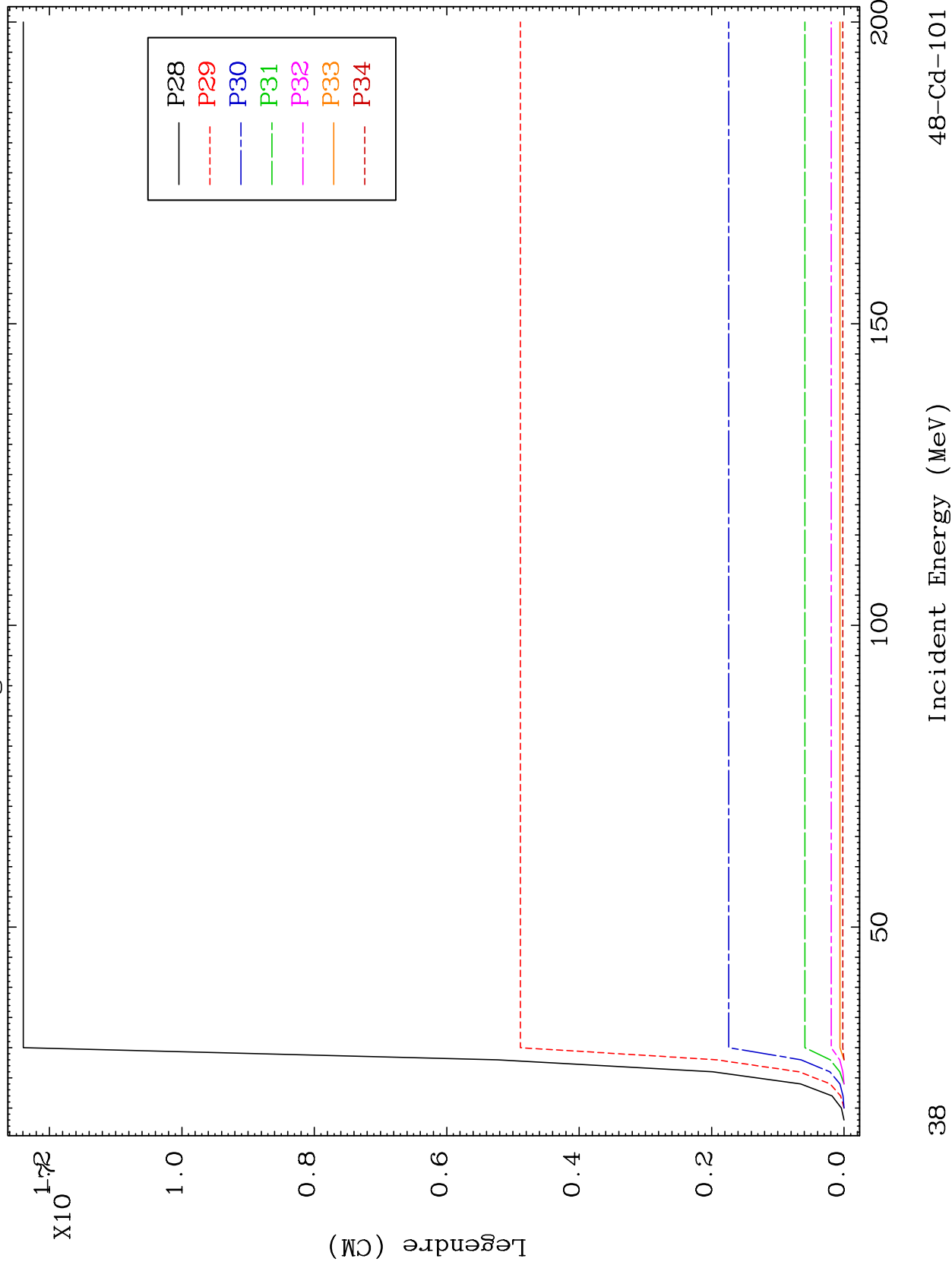
48-Cd-101



MAT 4810

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

48-Cd-101



38

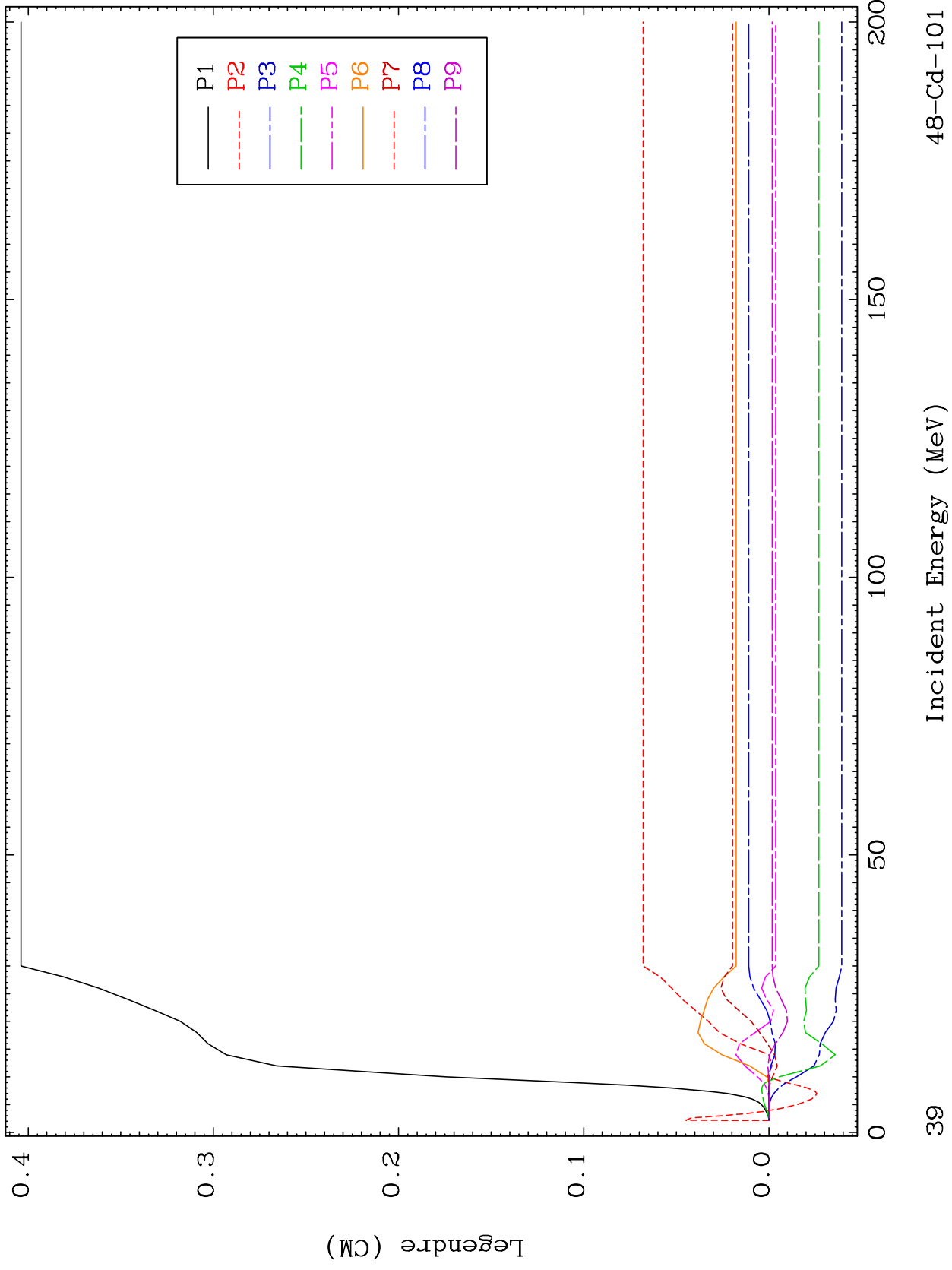
Incident Energy (MeV)

48-Cd-101

MAT 4810

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

48-Cd-101



48-Cd-101

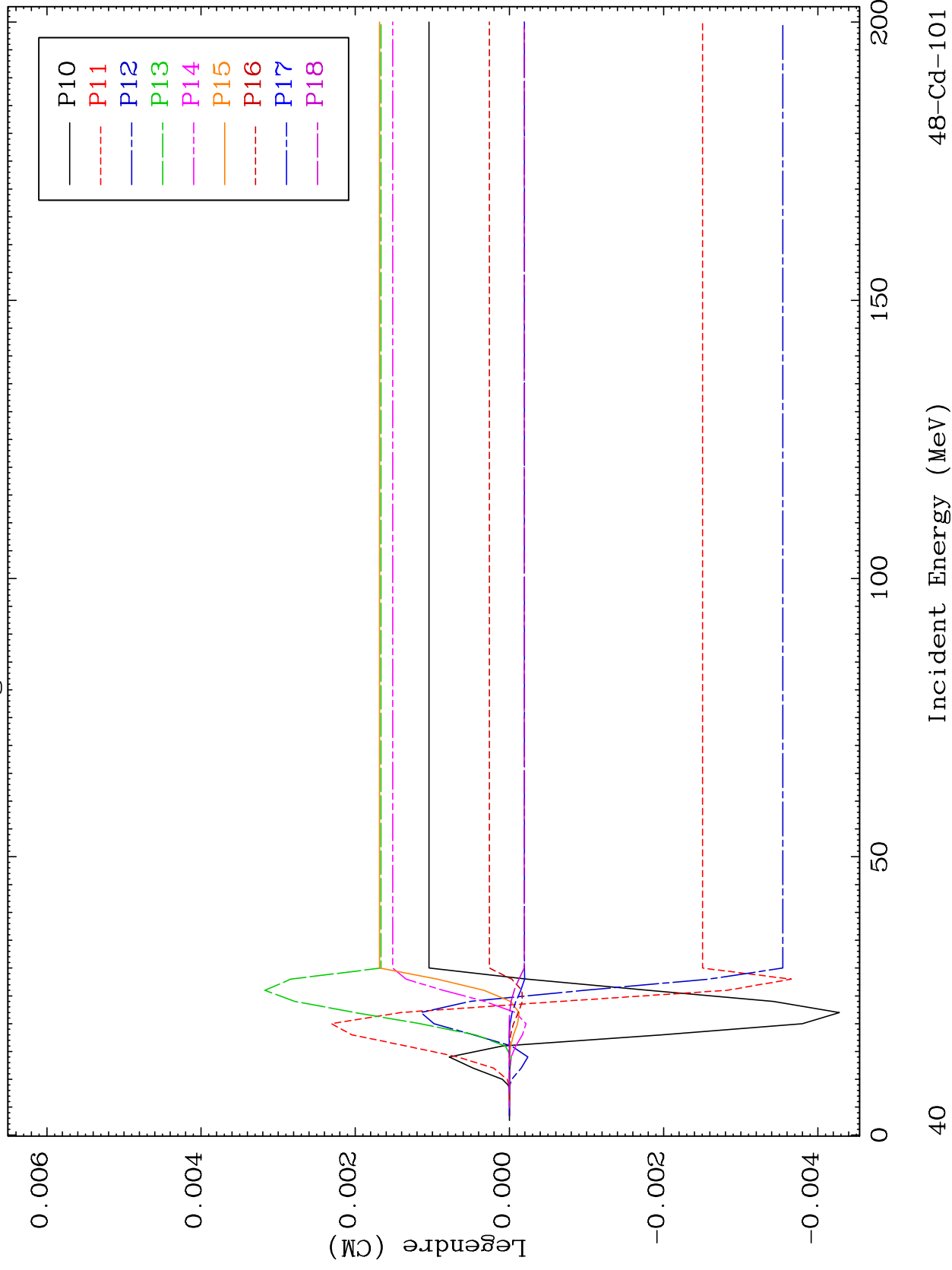
Incident Energy (MeV)

39

MAT 4810

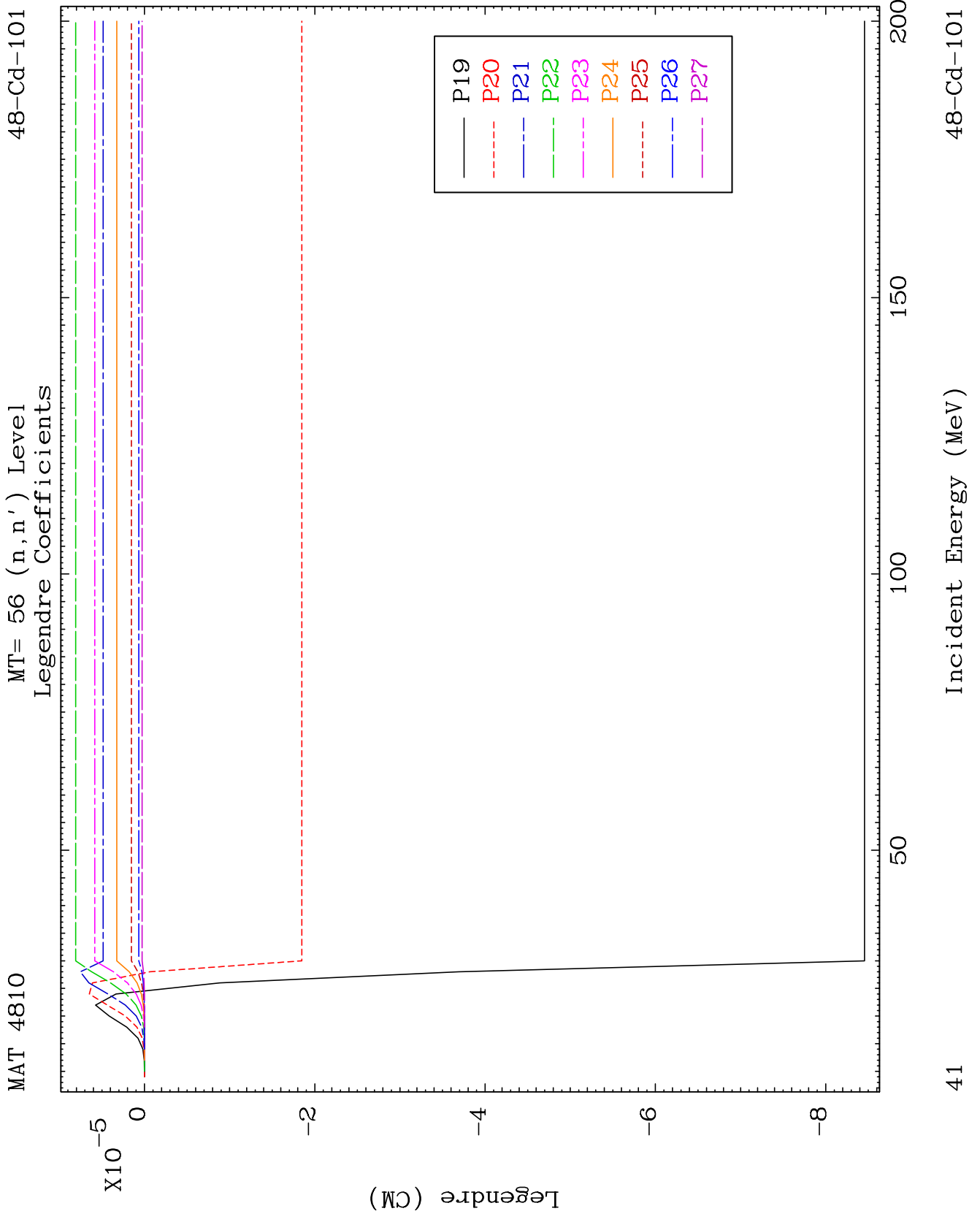
MT= 56 (n,n') Level
Legendre Coefficients

48-Cd-101



48-Cd-101

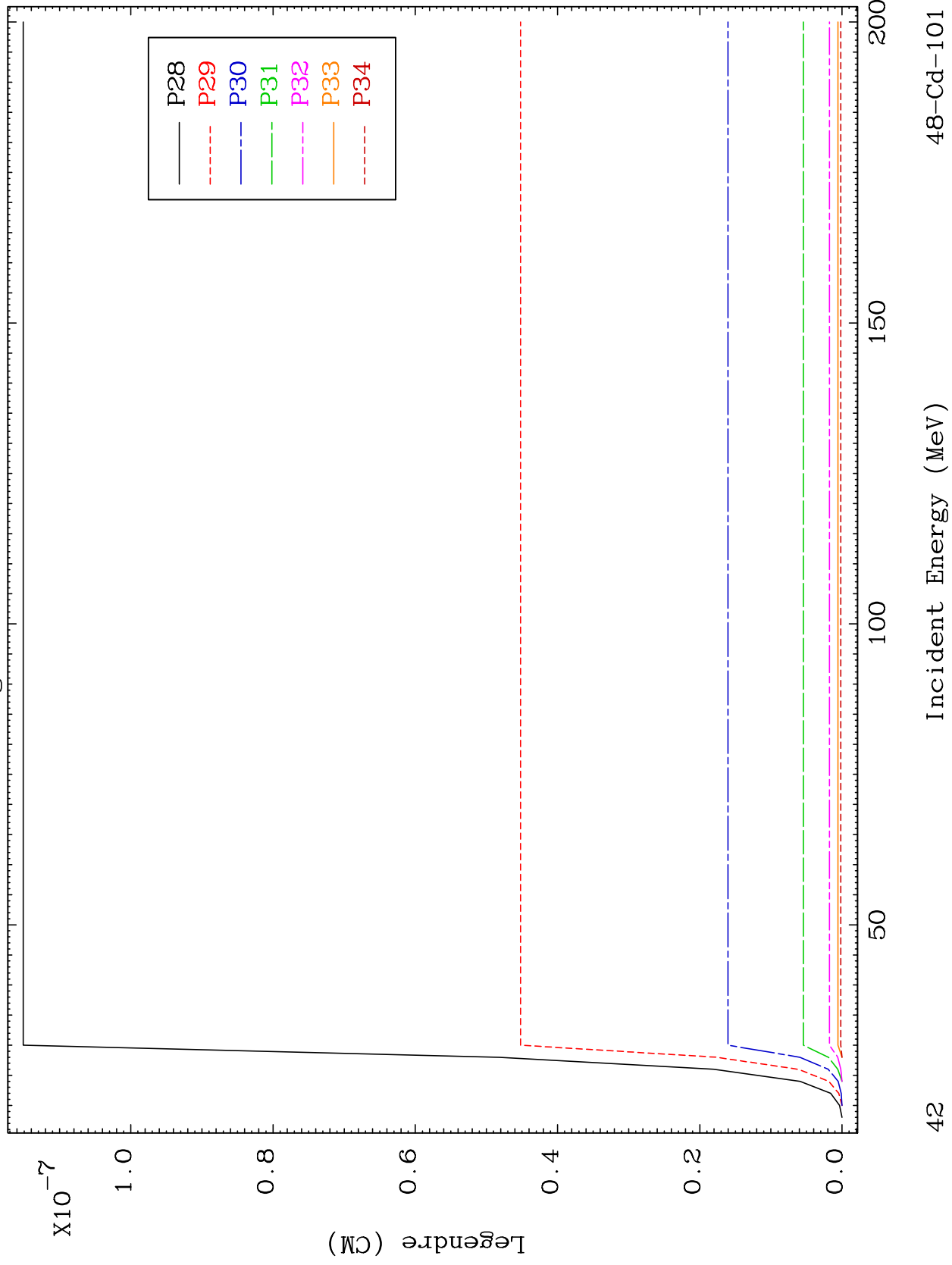
Incident Energy (MeV)



MAT 4810

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

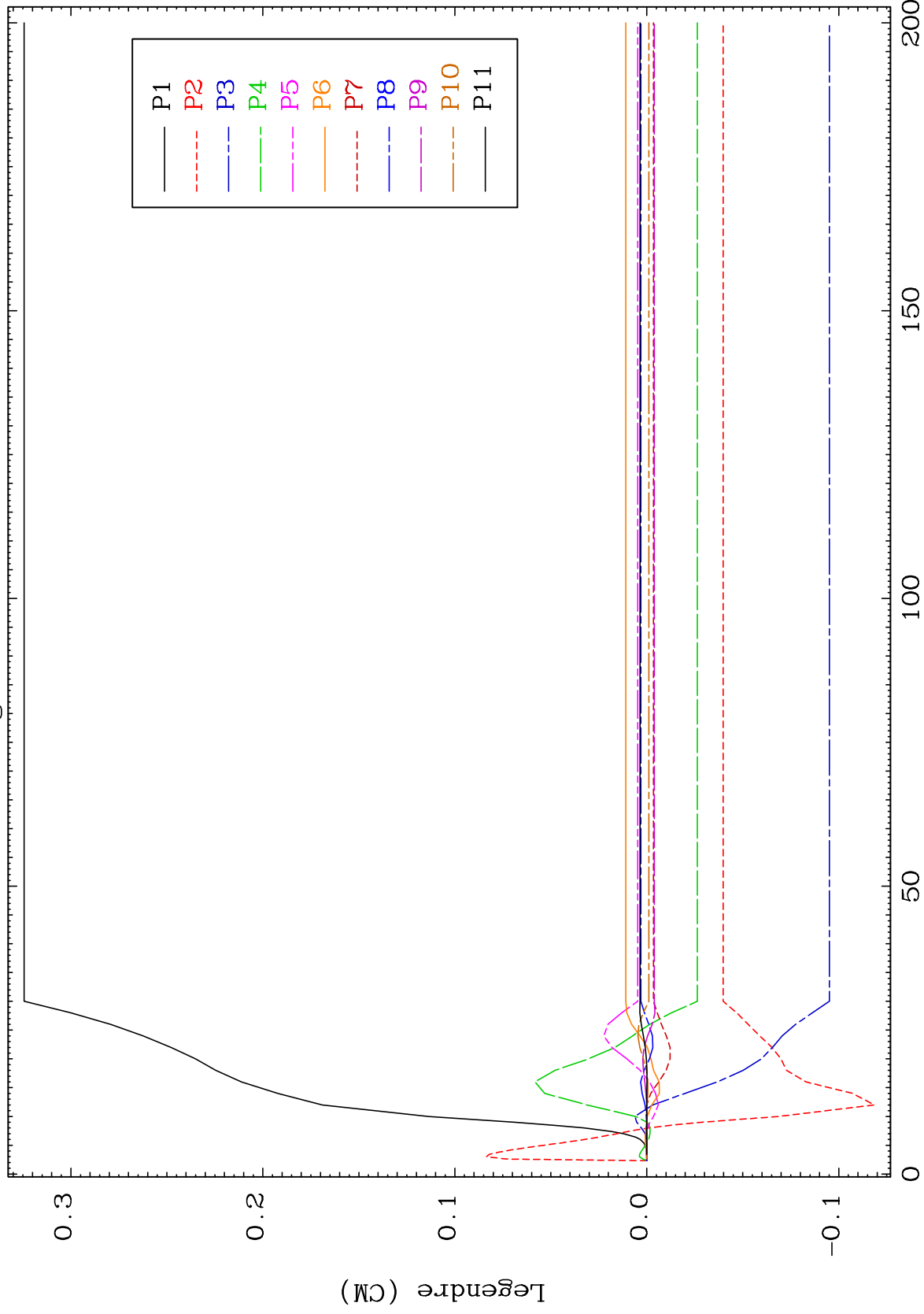
48-Cd-101



MAT 4810

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

48-Cd-101



43

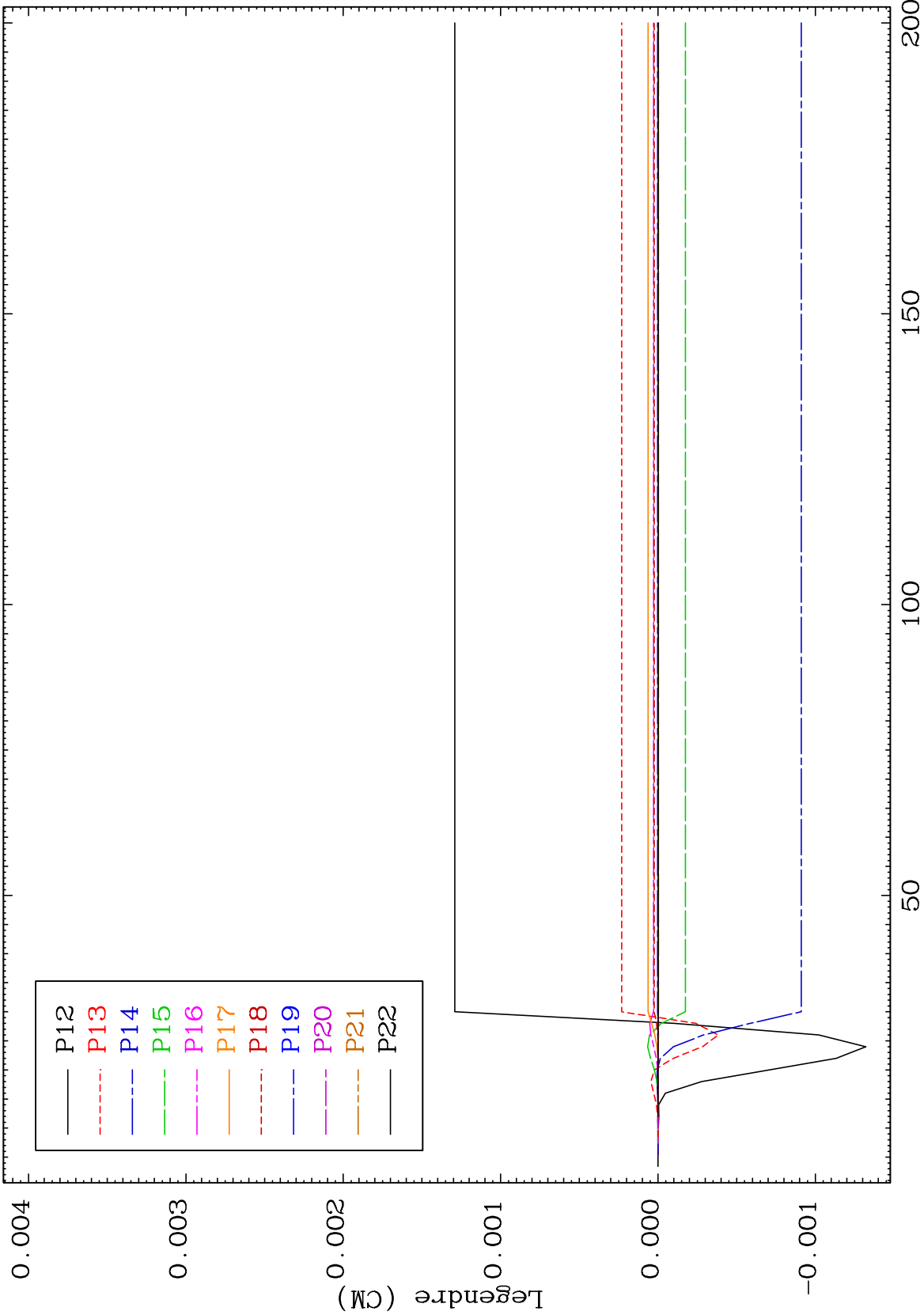
Incident Energy (MeV)

48-Cd-101

MAT 4810

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

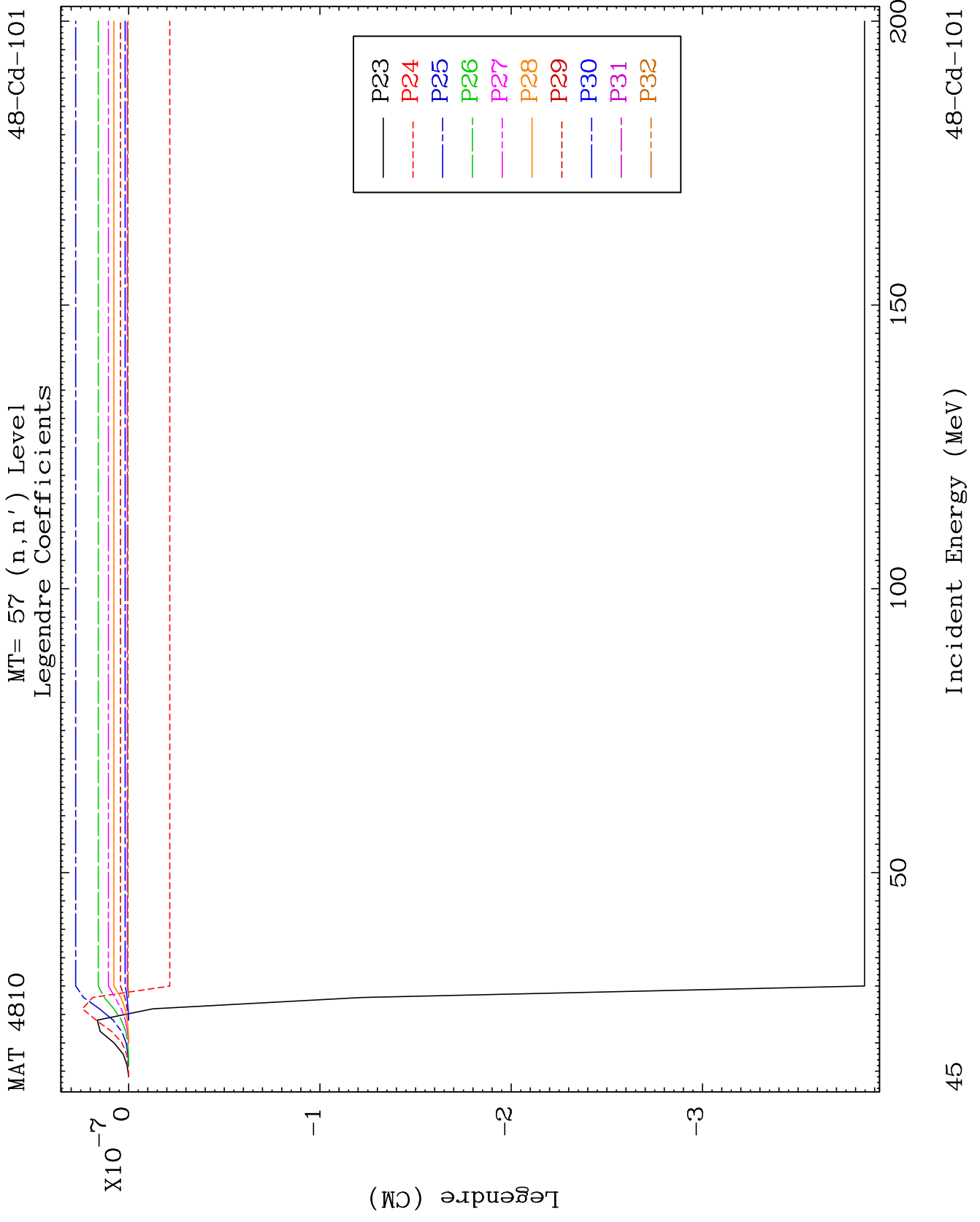
48-Cd-101



44

Incident Energy (MeV)

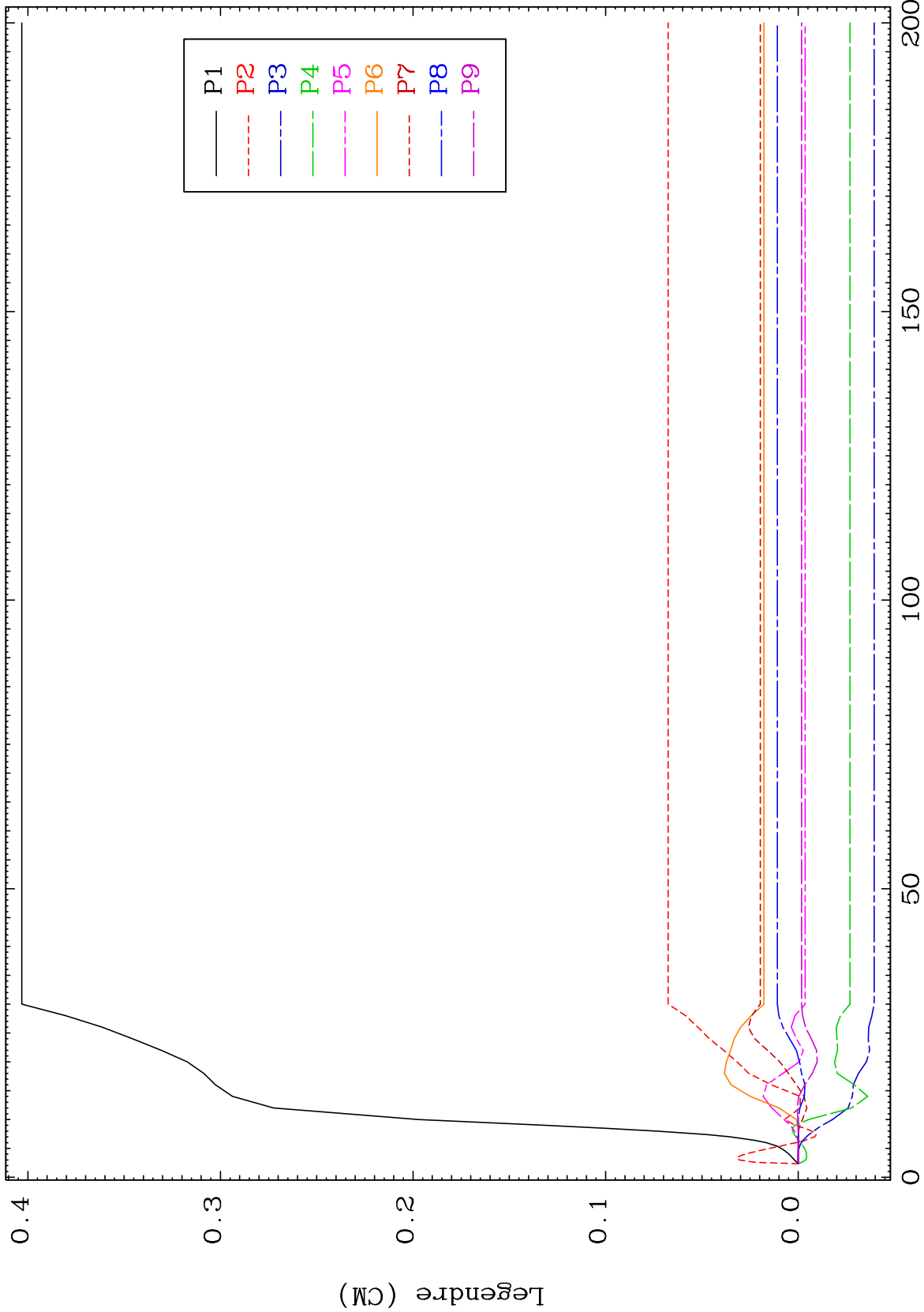
48-Cd-101



MAT 4810

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

48-Cd-101



46

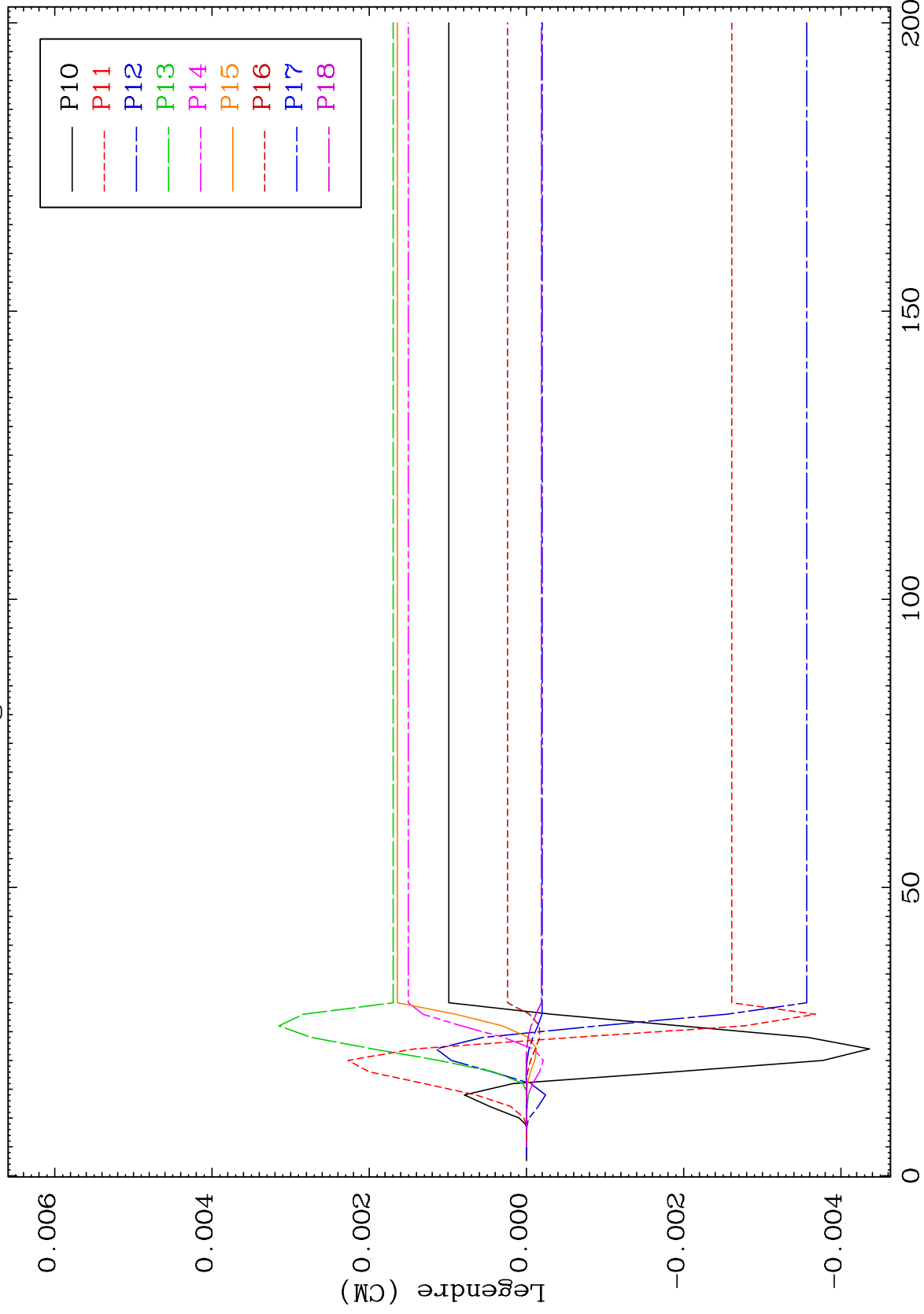
Incident Energy (MeV)

48-Cd-101

MAT 4810

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

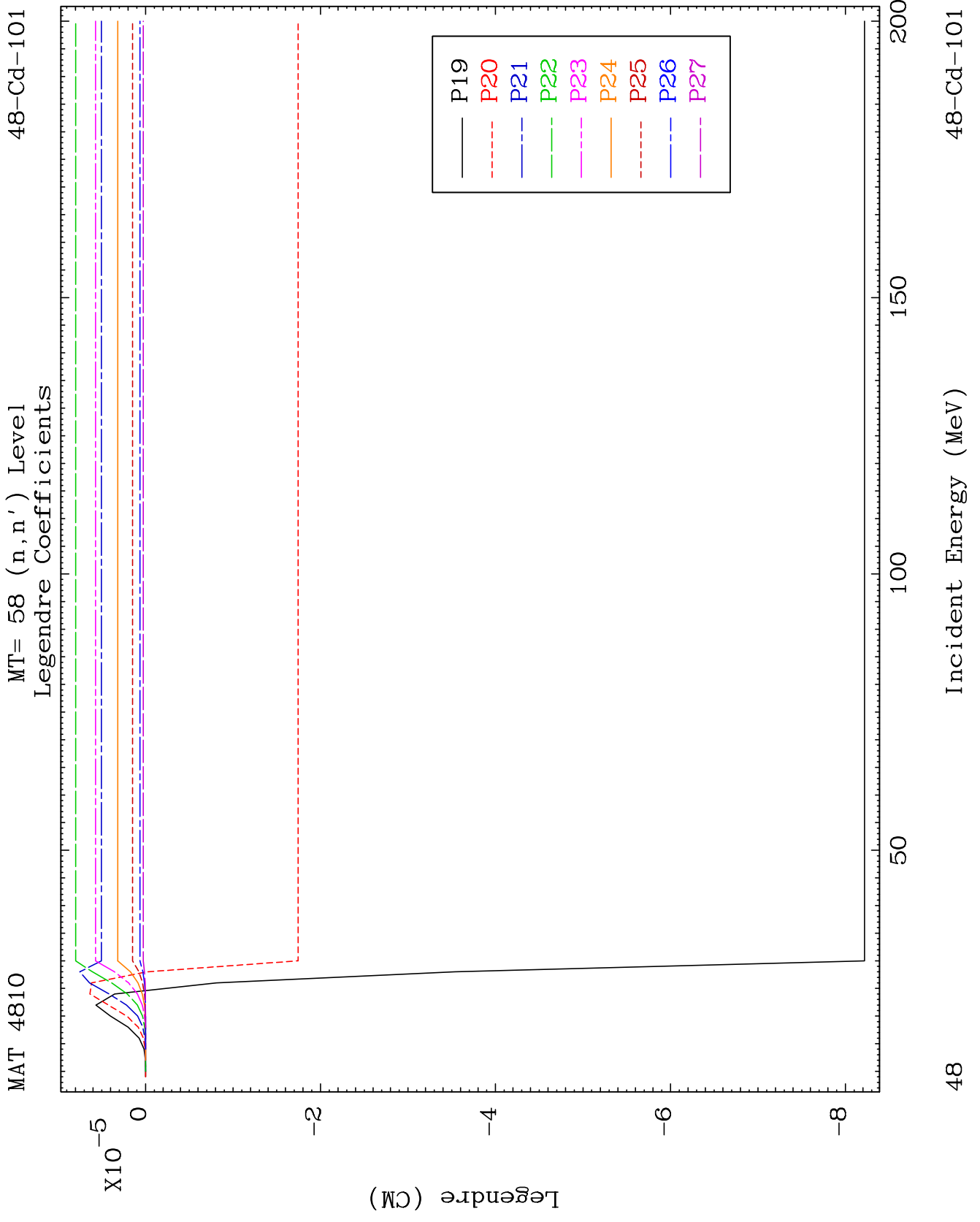
48-Cd-101



47

Incident Energy (MeV)

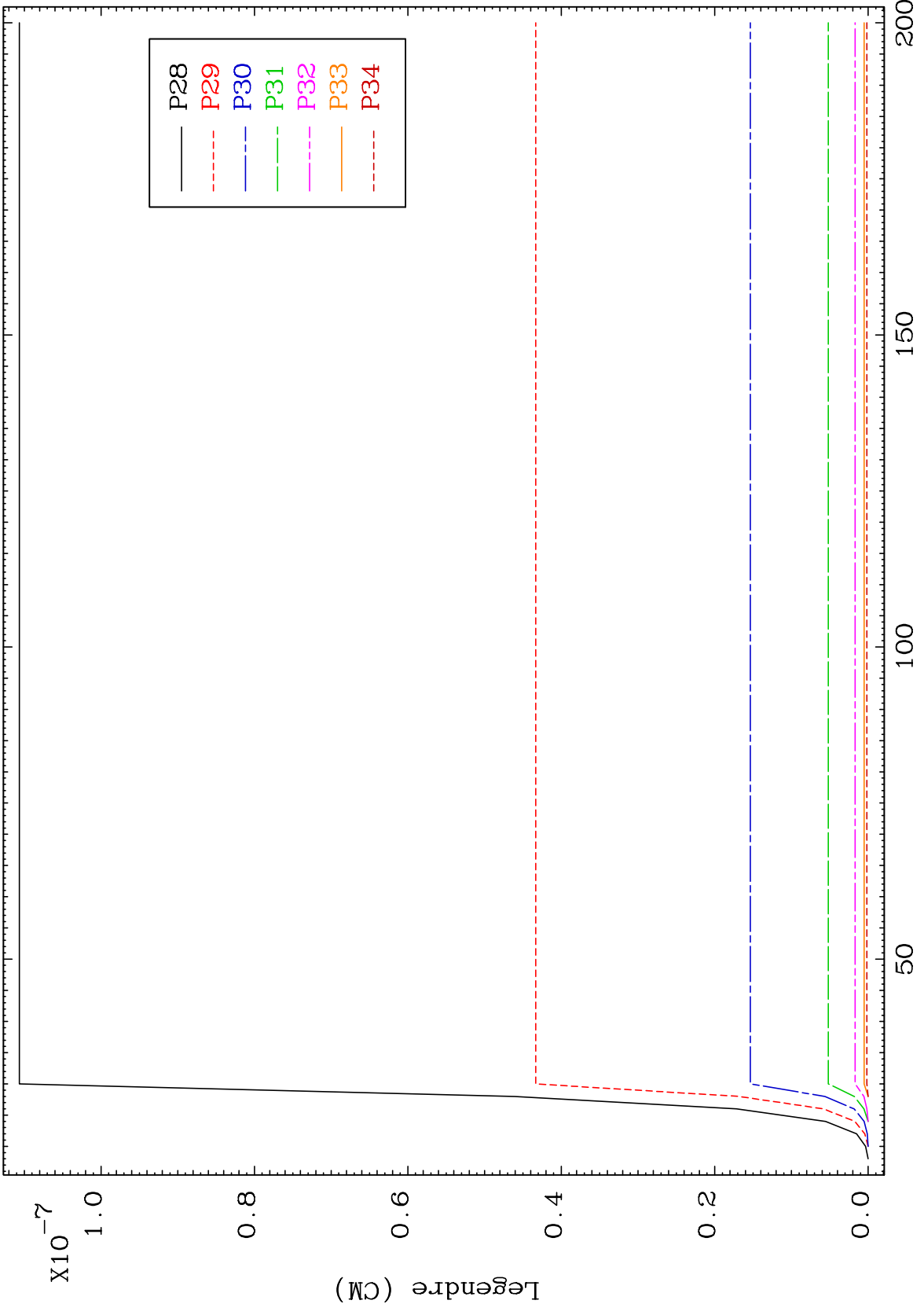
48-Cd-101



MAT 4810

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

48-Cd-101



49

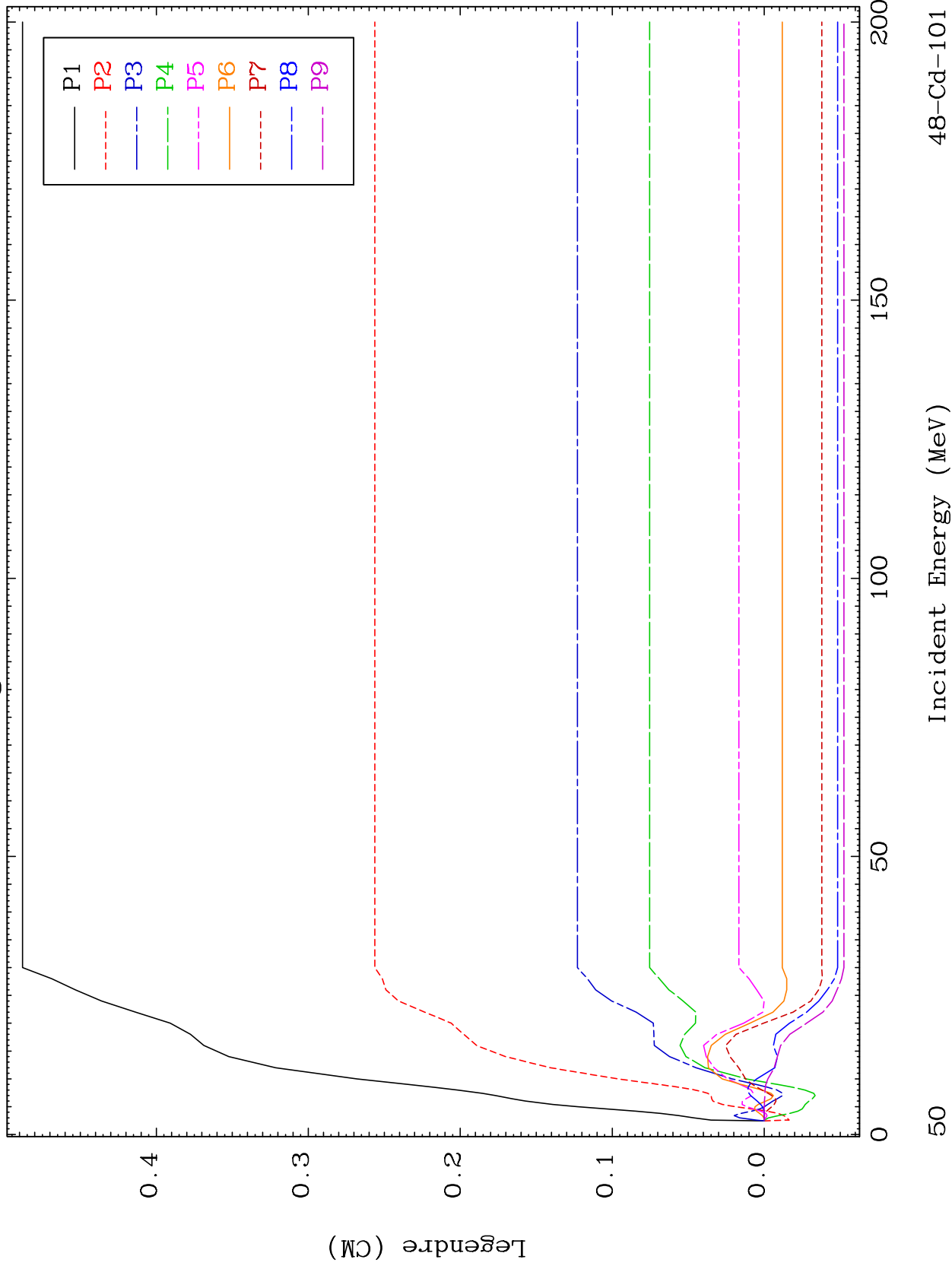
Incident Energy (MeV)

48-Cd-101

MAT 4810

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

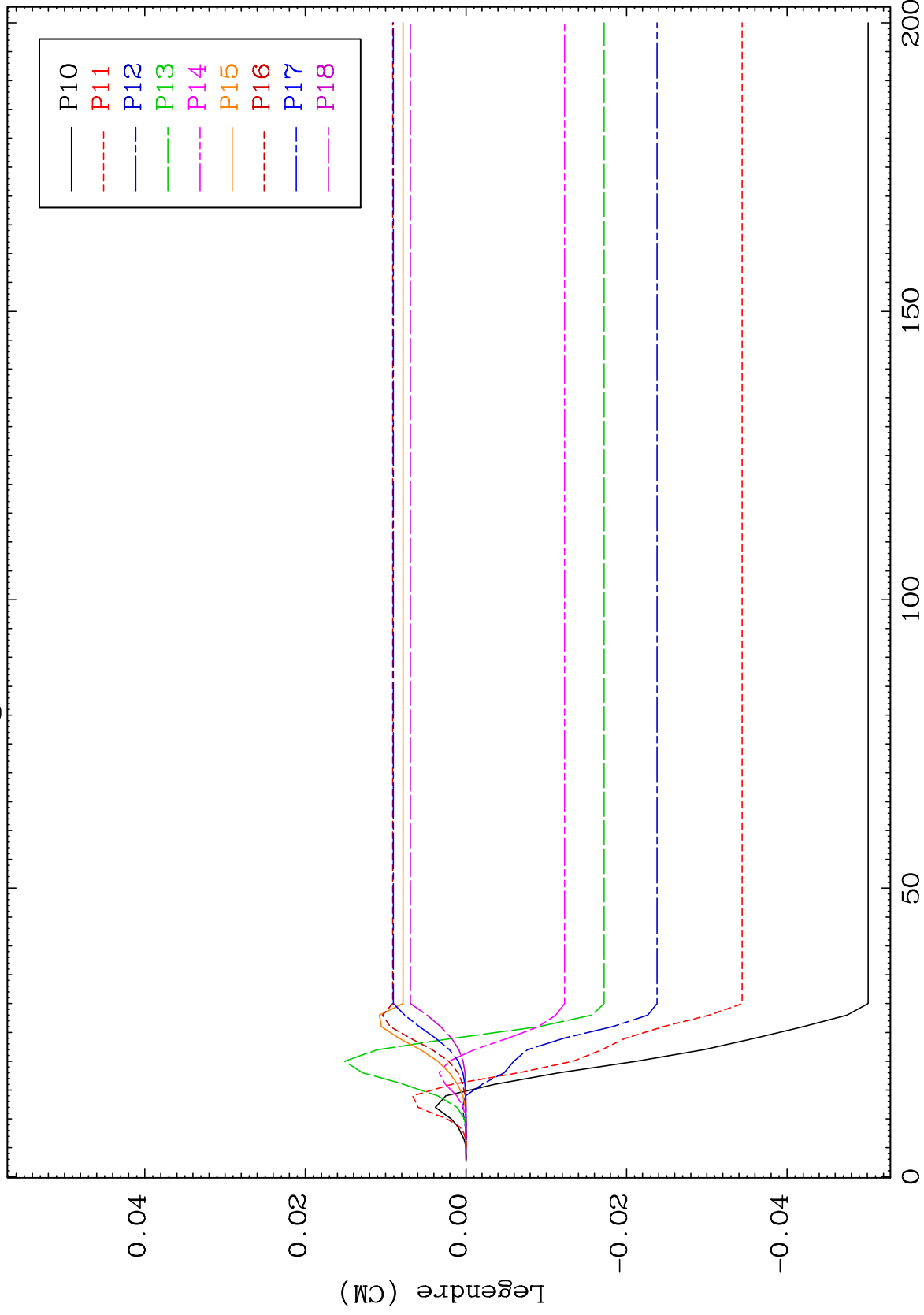
48-Cd-101



MAT 4810

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

48-Cd-101



51

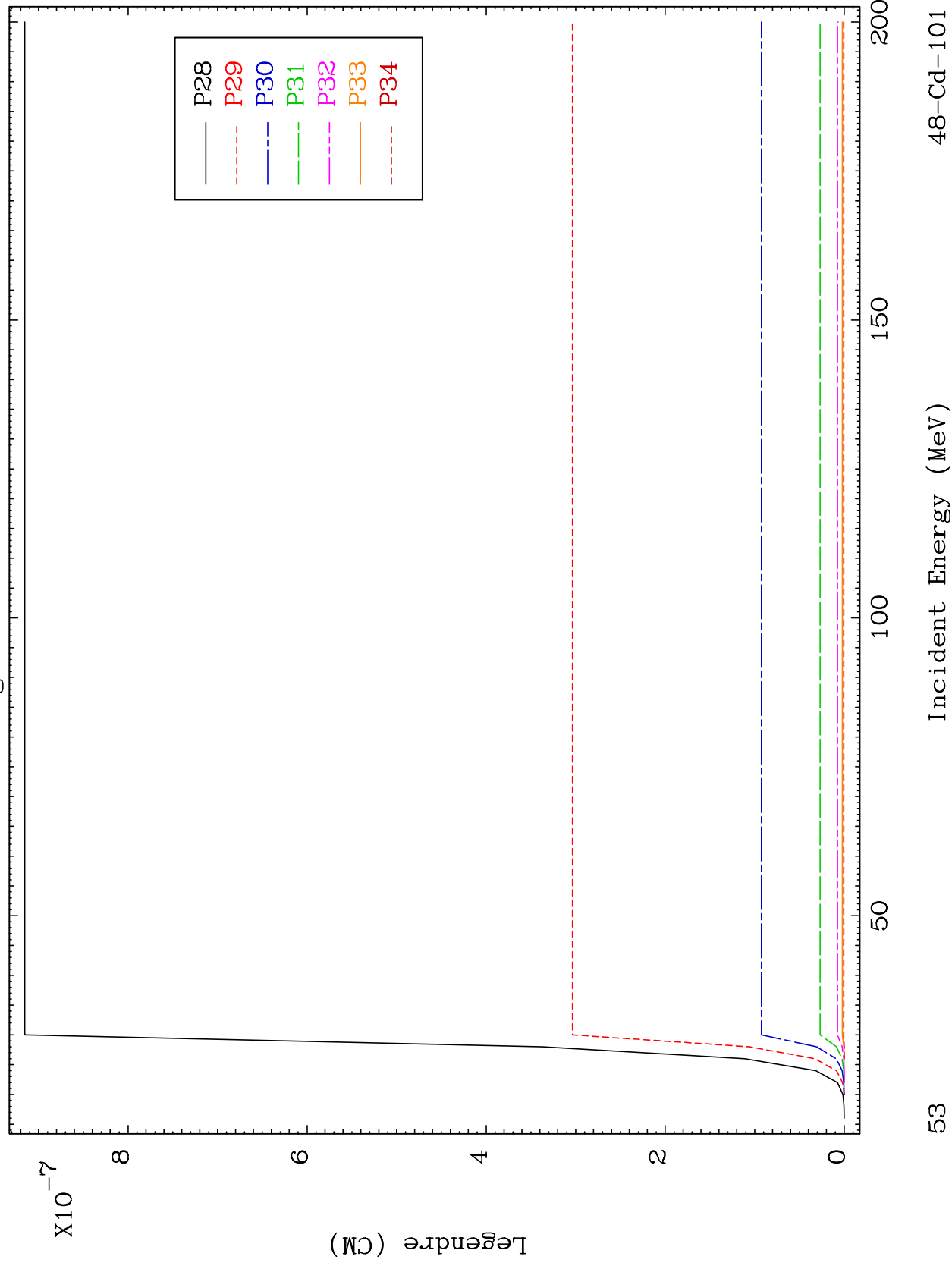
Incident Energy (MeV)

48-Cd-101

MAT 4810

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

48-Cd-101



53

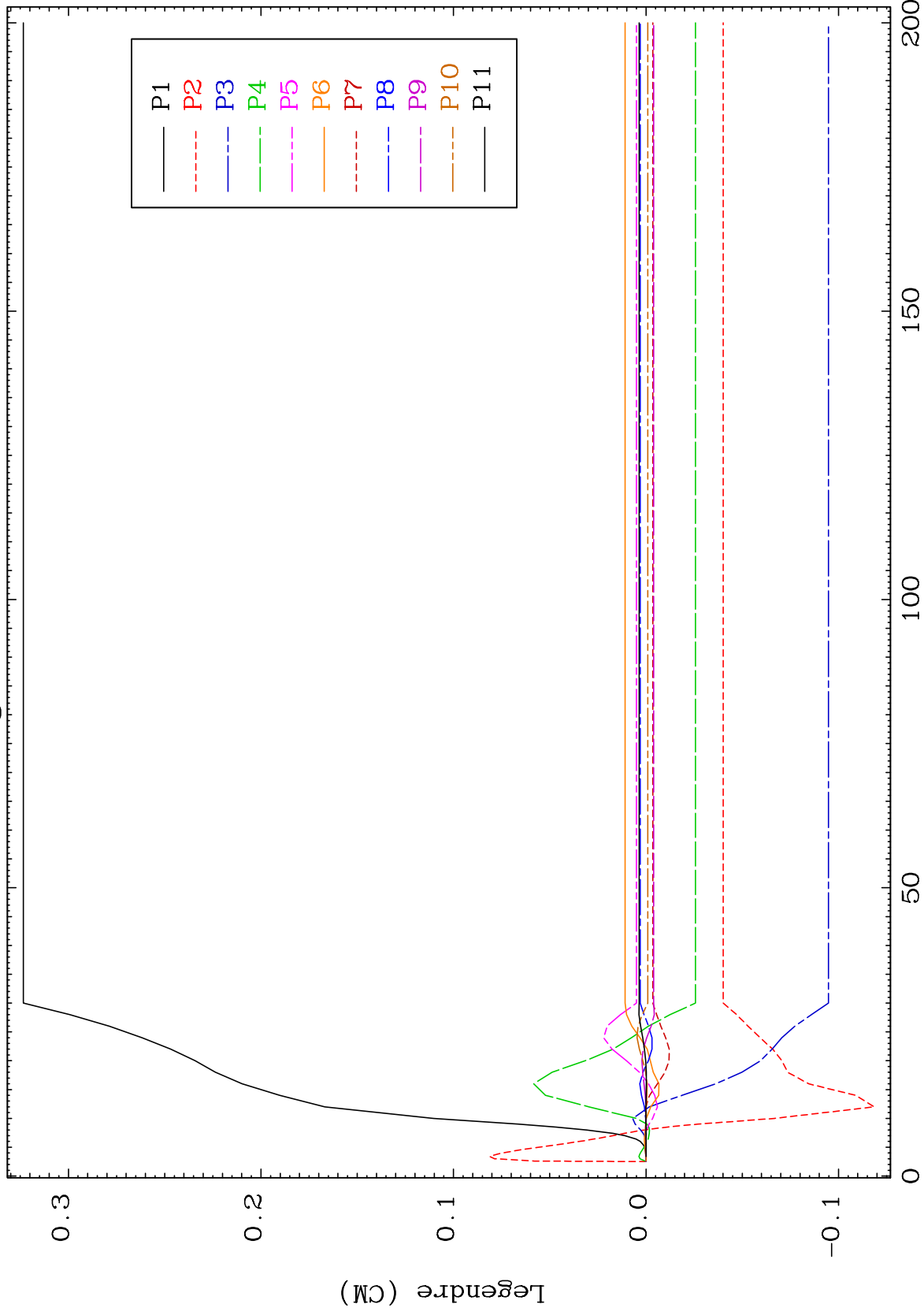
Incident Energy (MeV)

48-Cd-101

MAT 4810

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

48-Cd-101



54

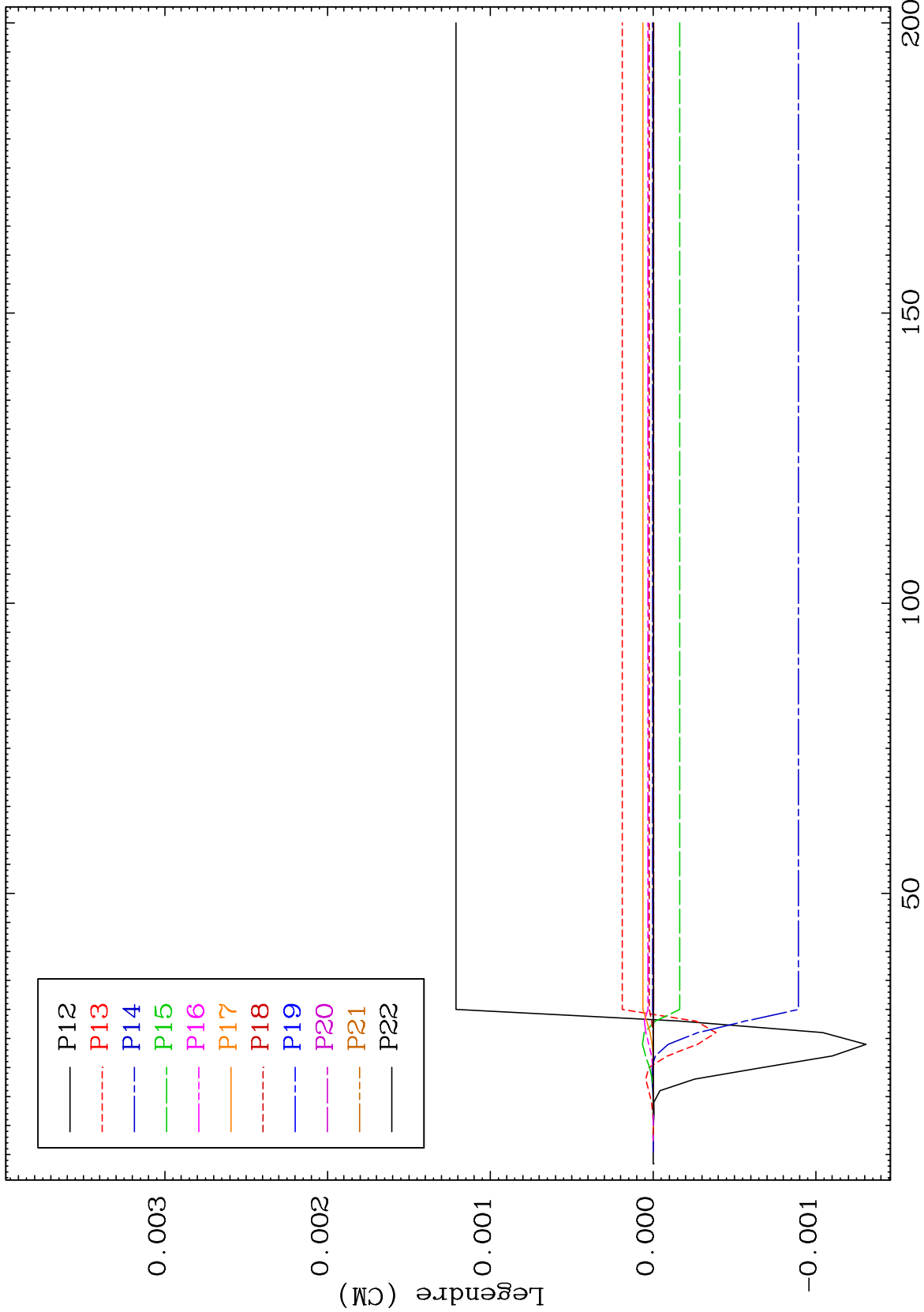
Incident Energy (MeV)

48-Cd-101

MAT 4810

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

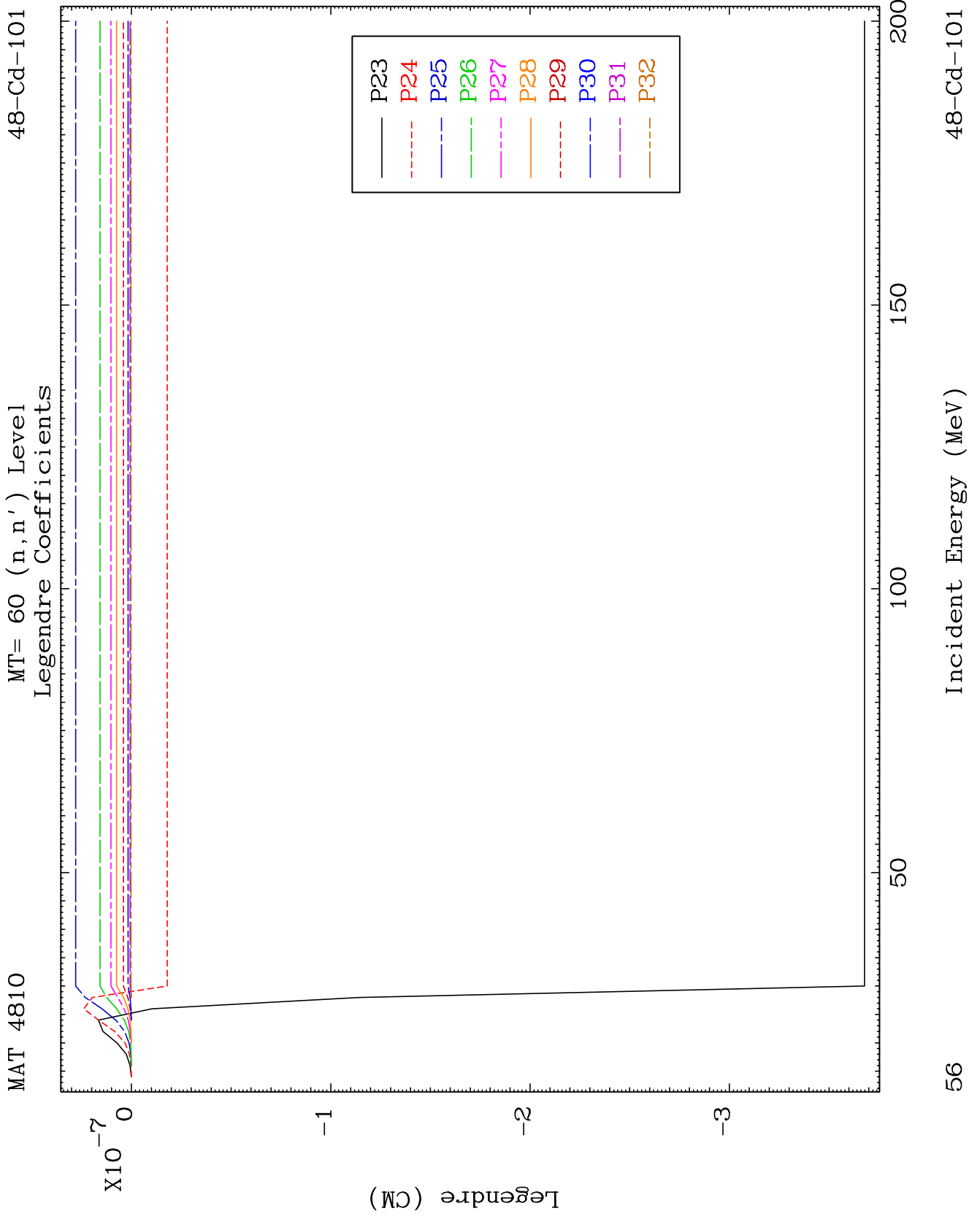
48-Cd-101



55

Incident Energy (MeV)

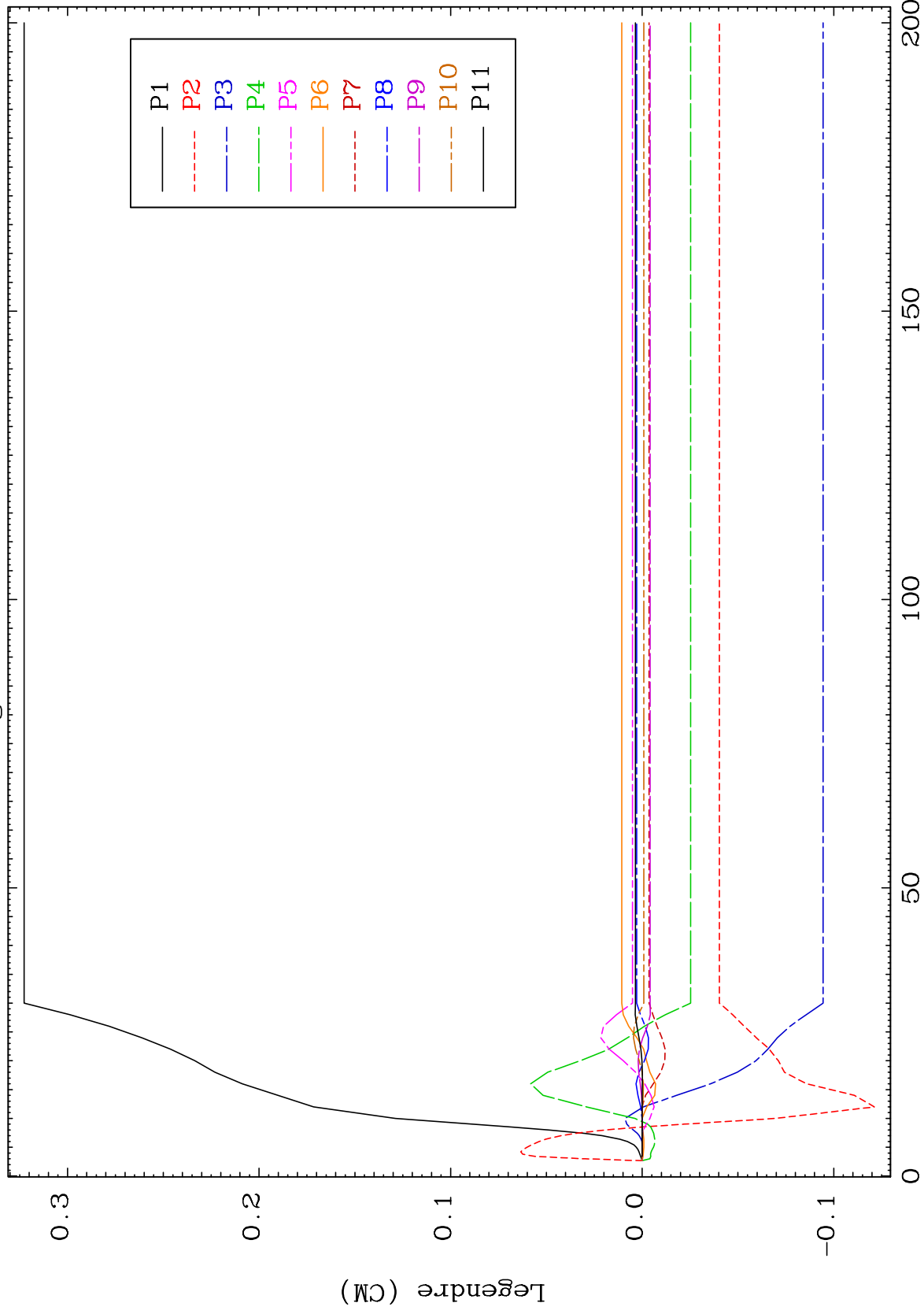
48-Cd-101



MAT 4810

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

48-Cd-101



57

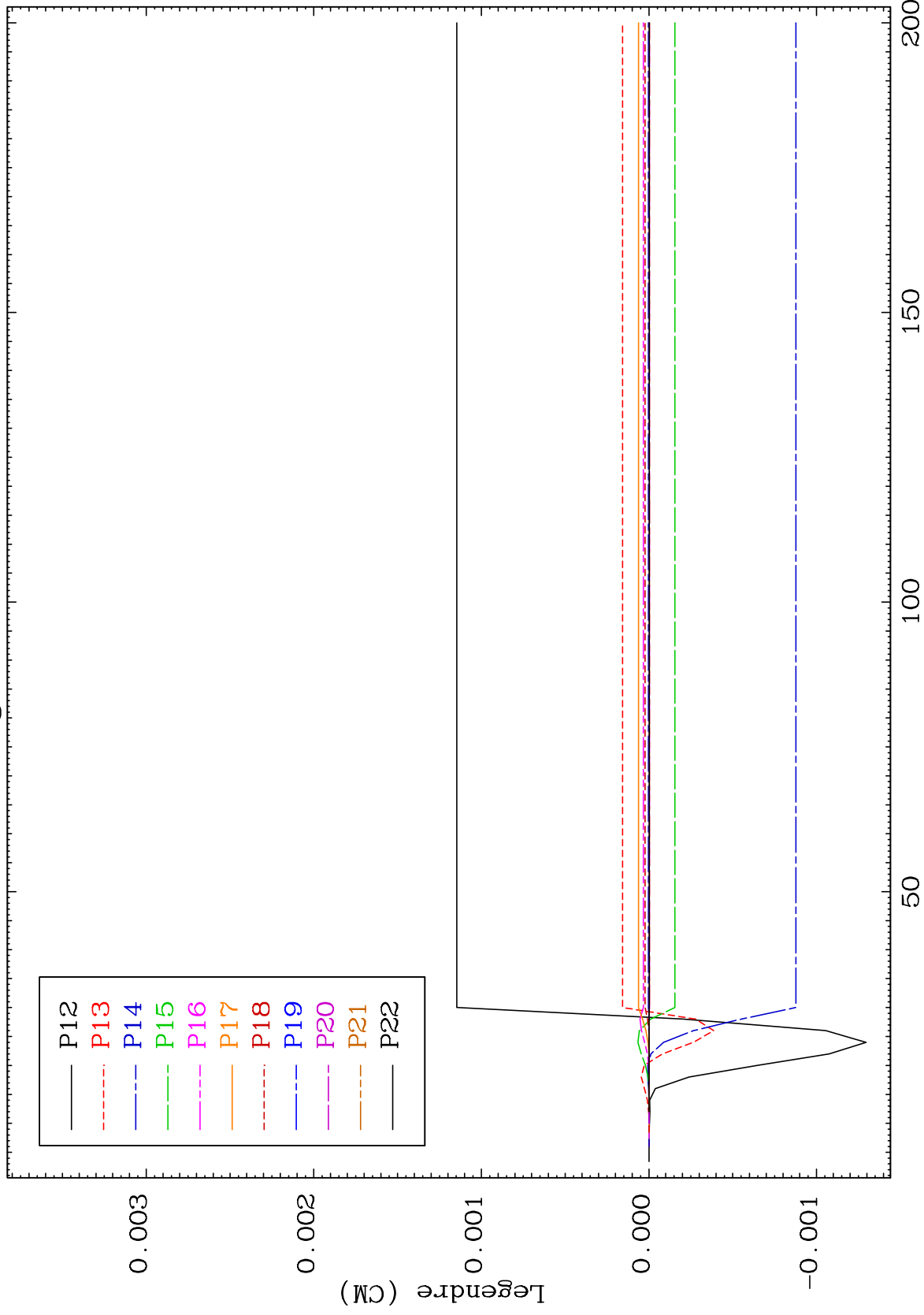
Incident Energy (MeV)

48-Cd-101

MAT 4810

48-Cd-101

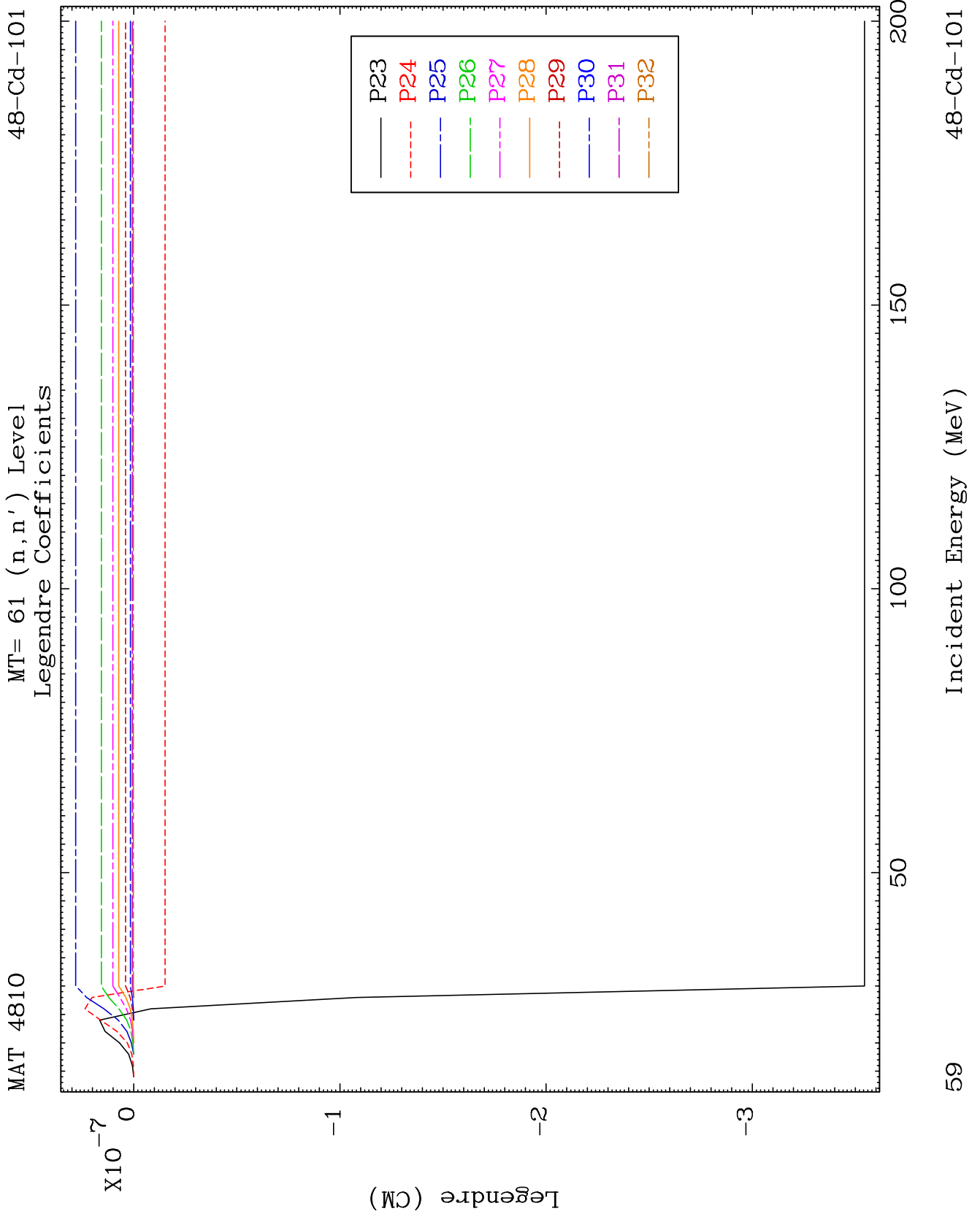
MT= 61 (n,n') Level
Legendre Coefficients



58

Incident Energy (MeV)

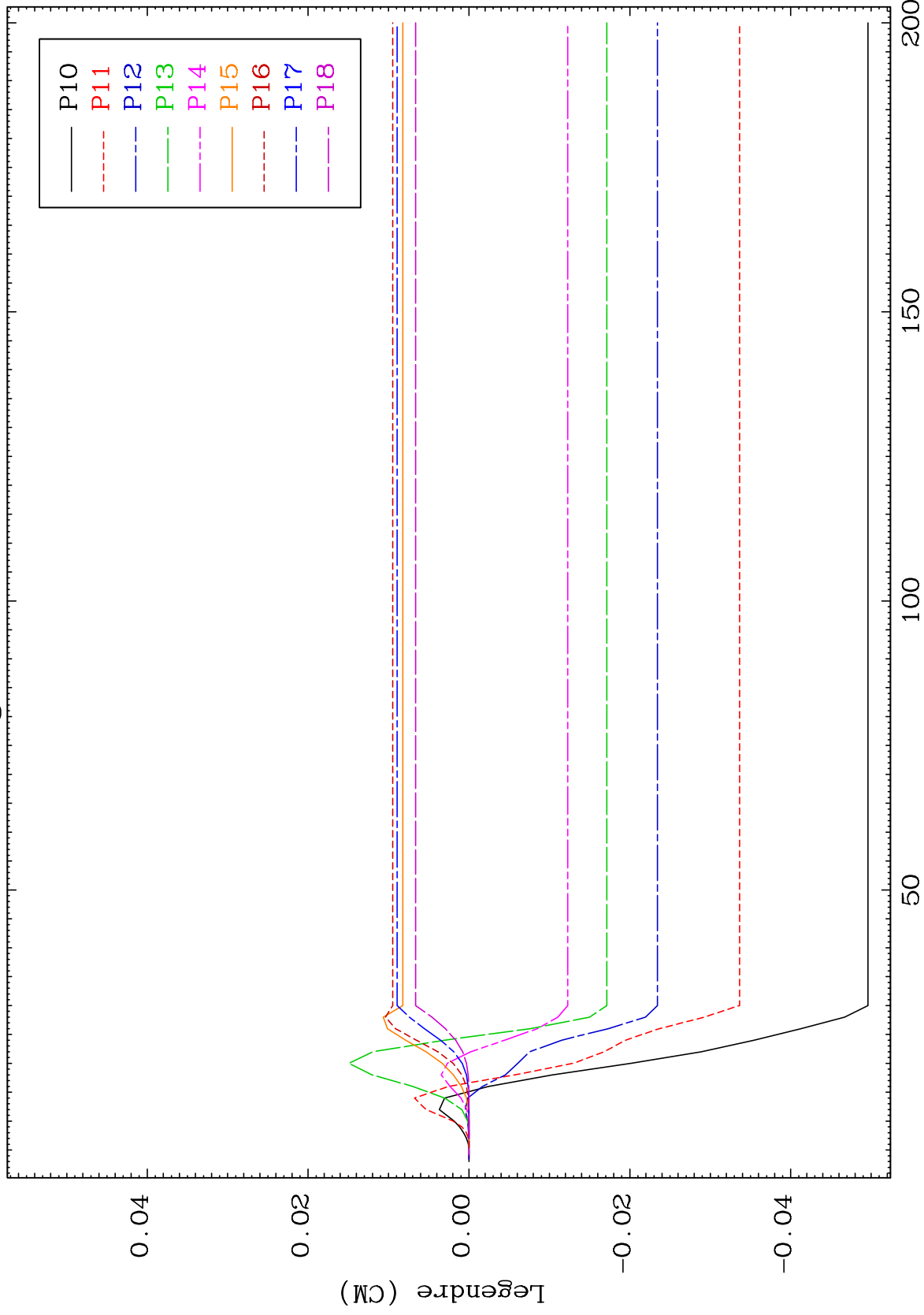
48-Cd-101



MAT 4810

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

48-Cd-101



61

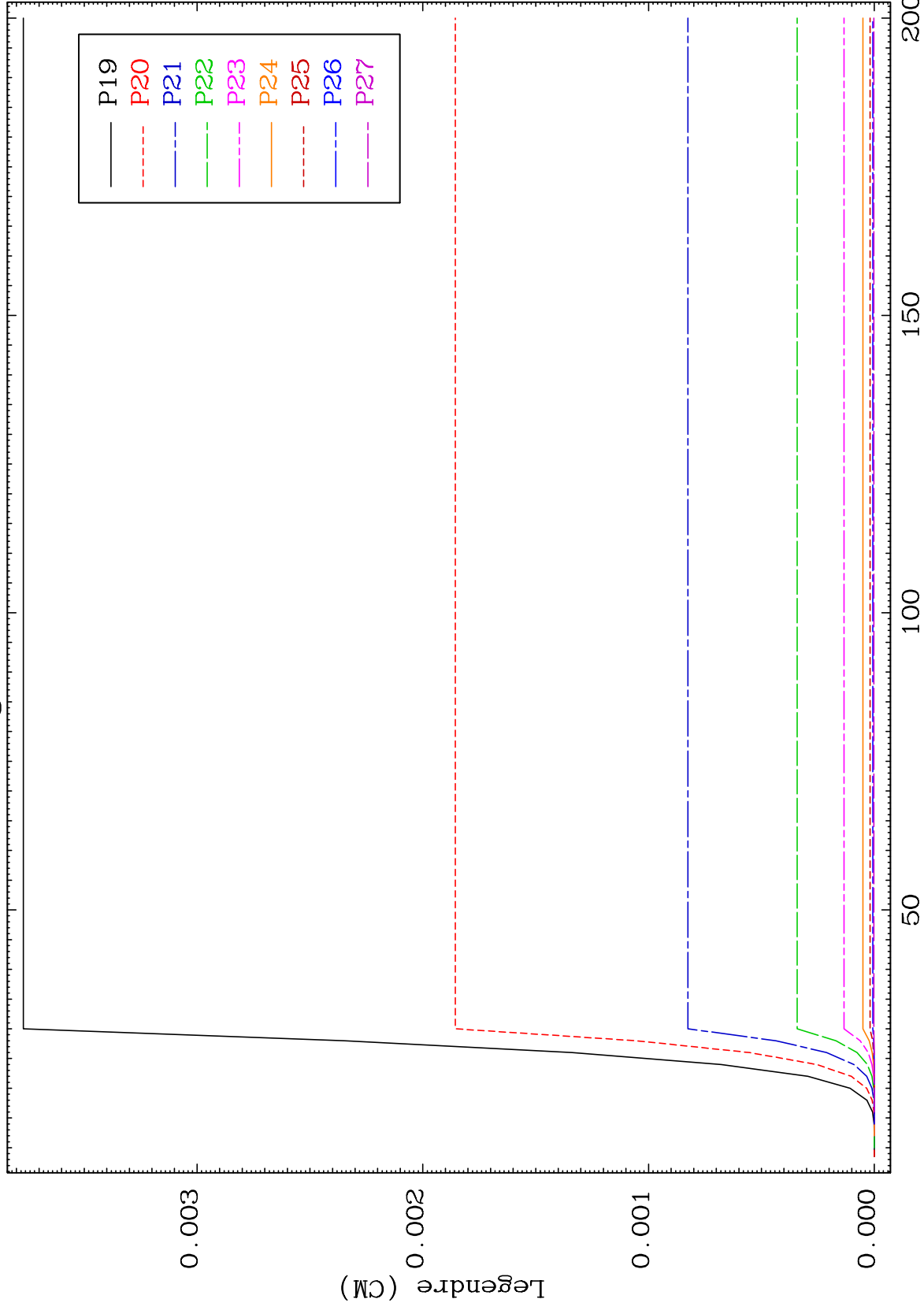
Incident Energy (MeV)

48-Cd-101

MAT 4810

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

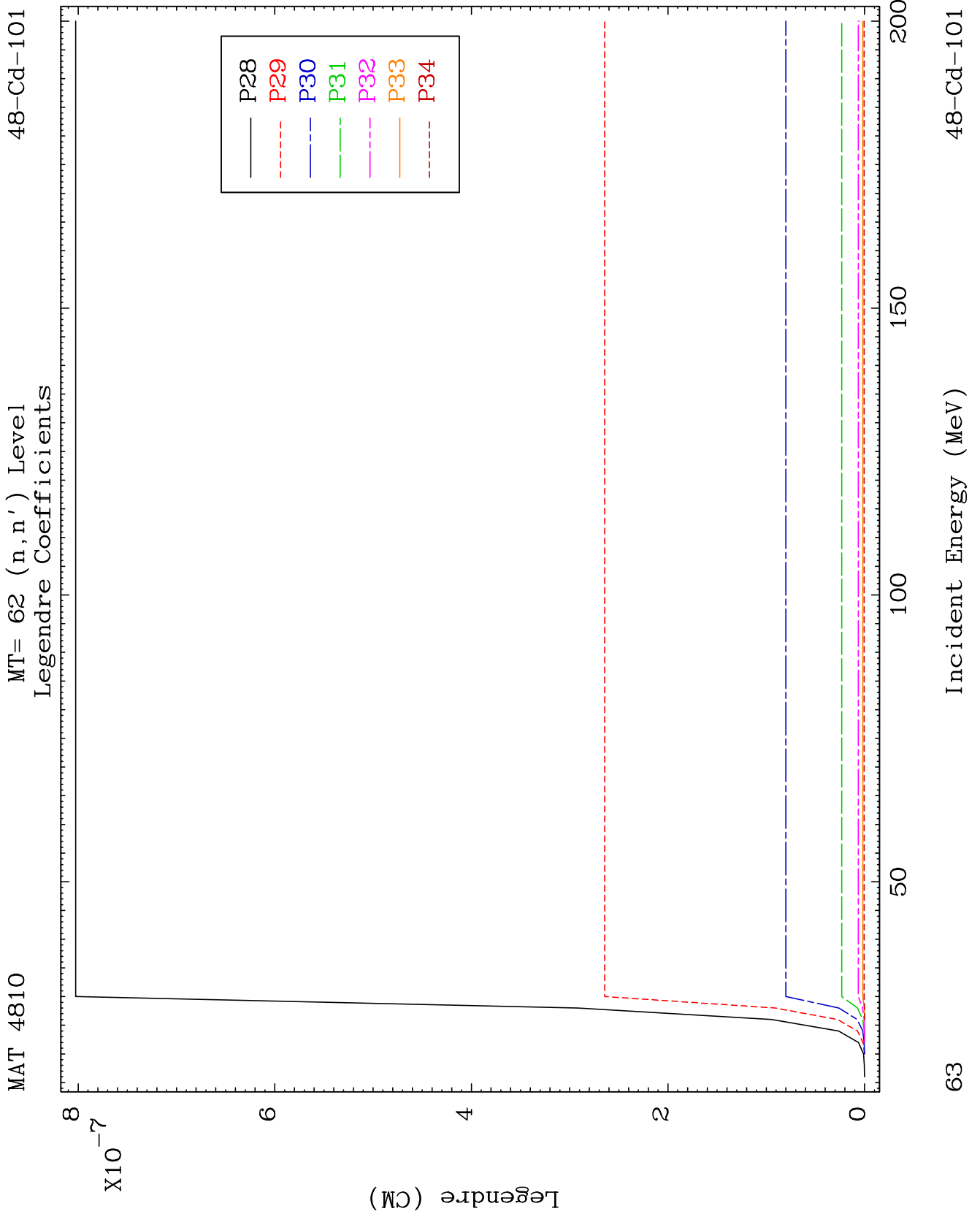
48-Cd-101



62

Incident Energy (MeV)

48-Cd-101

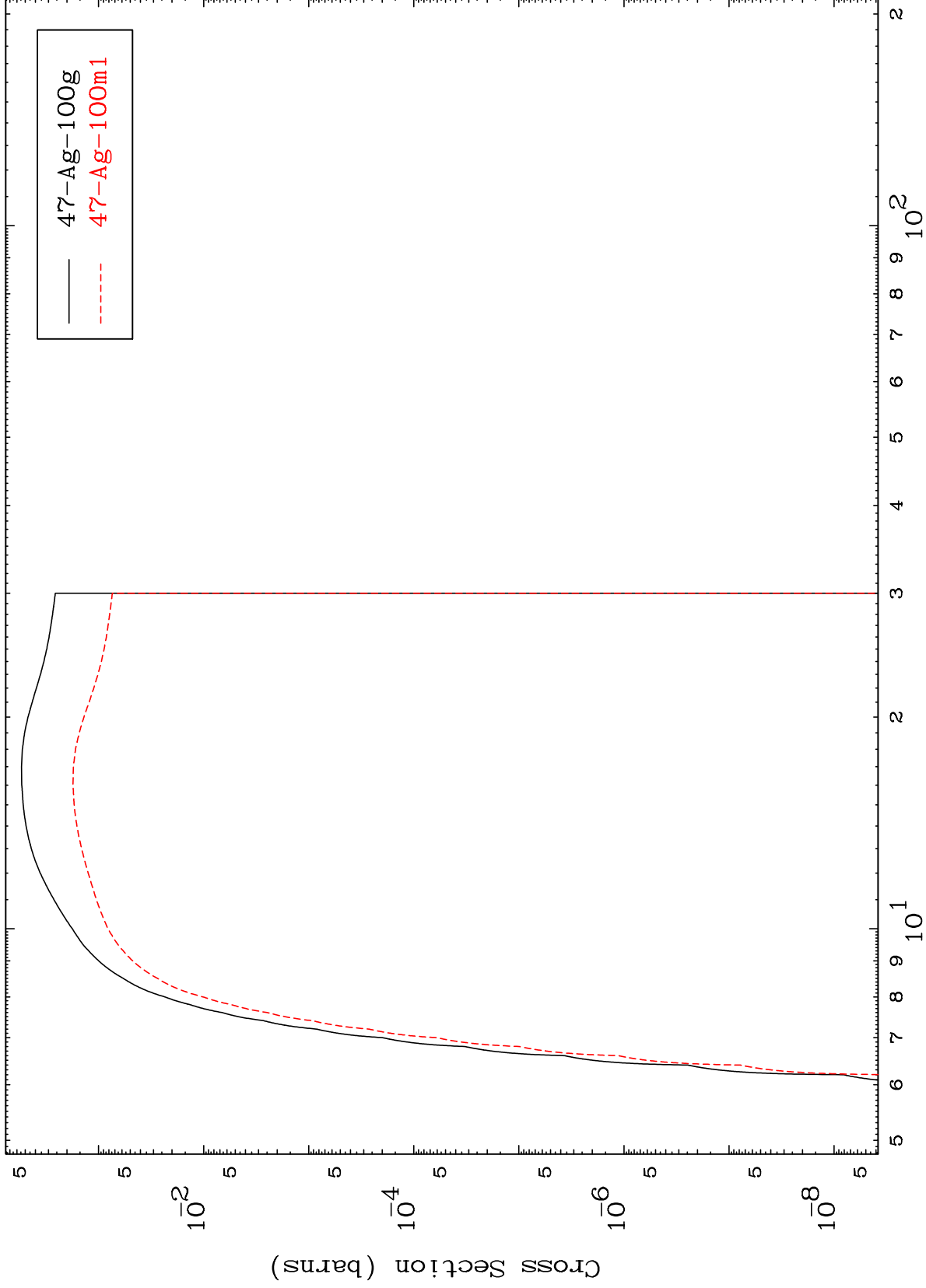


MAT 4810

(n,n') p

48-Cd-101

Radionuclide Production Cross Section



64

Incident Energy (MeV)

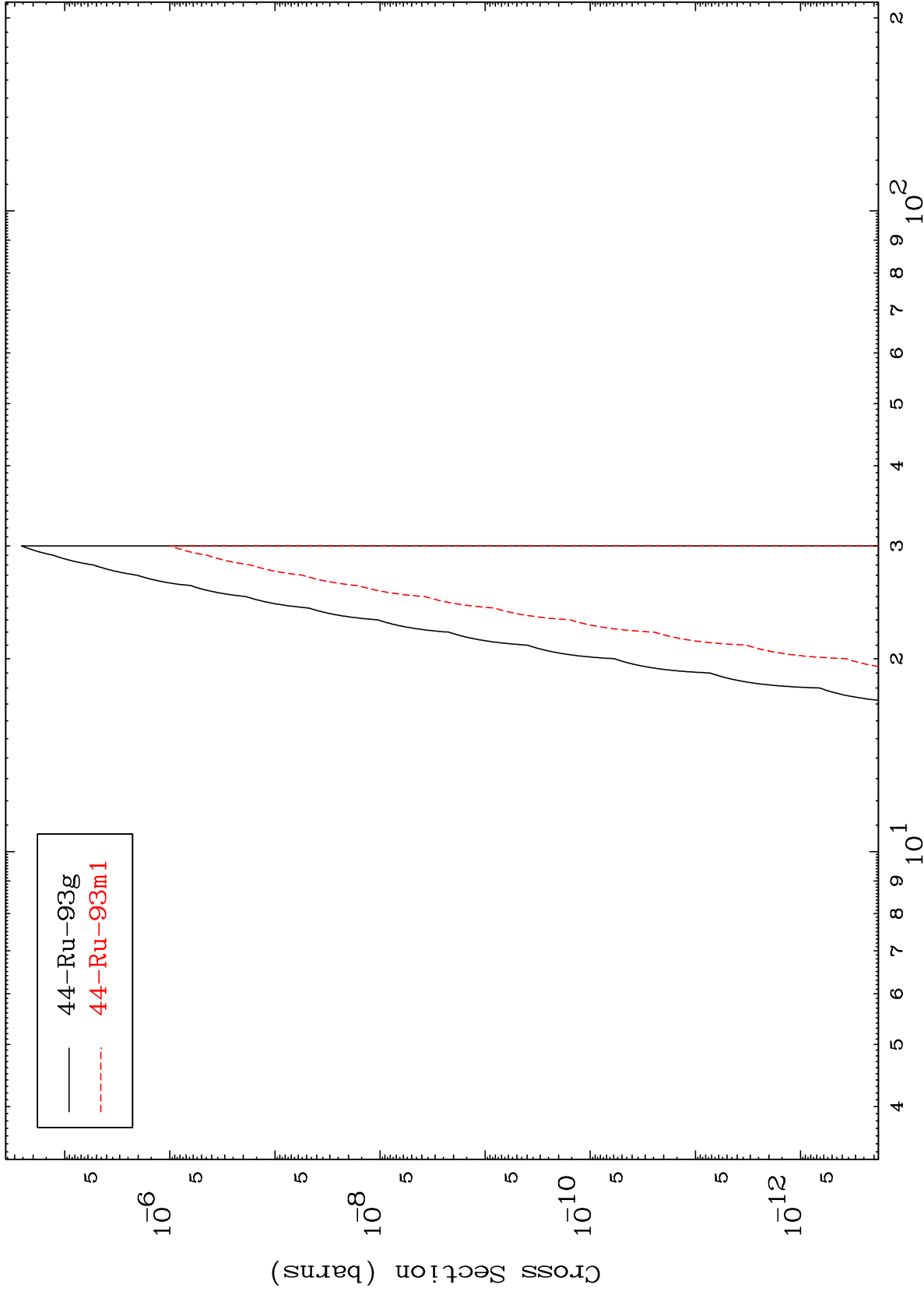
48-Cd-101

MAT 4810

(n,n') 2α

48-Cd-101

Radionuclide Production Cross Section



44-Ru-93g
44-Ru-93m1

65

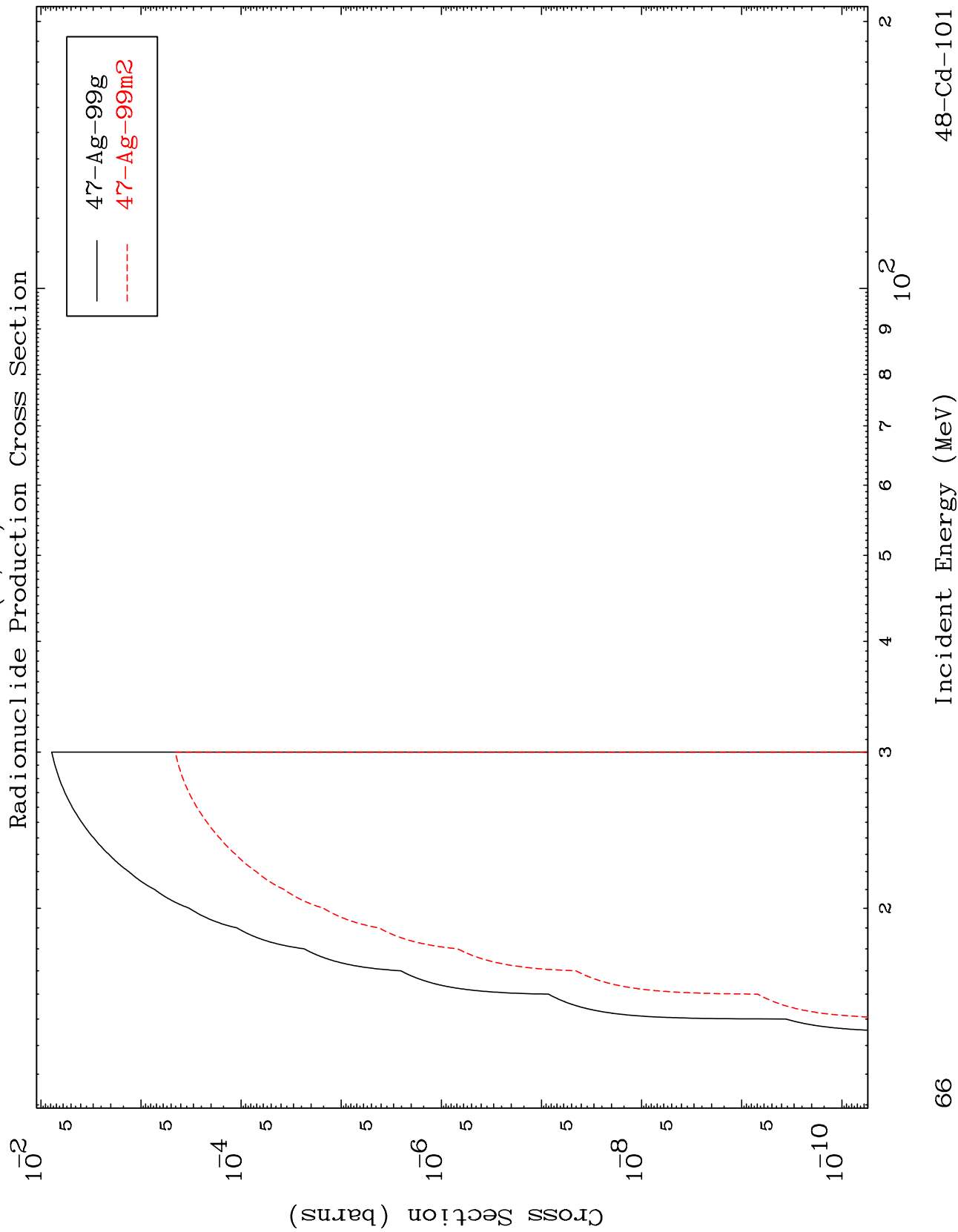
Incident Energy (MeV)

48-Cd-101

MAT 4810

(n,n') d

48-Cd-101



66

Incident Energy (MeV)

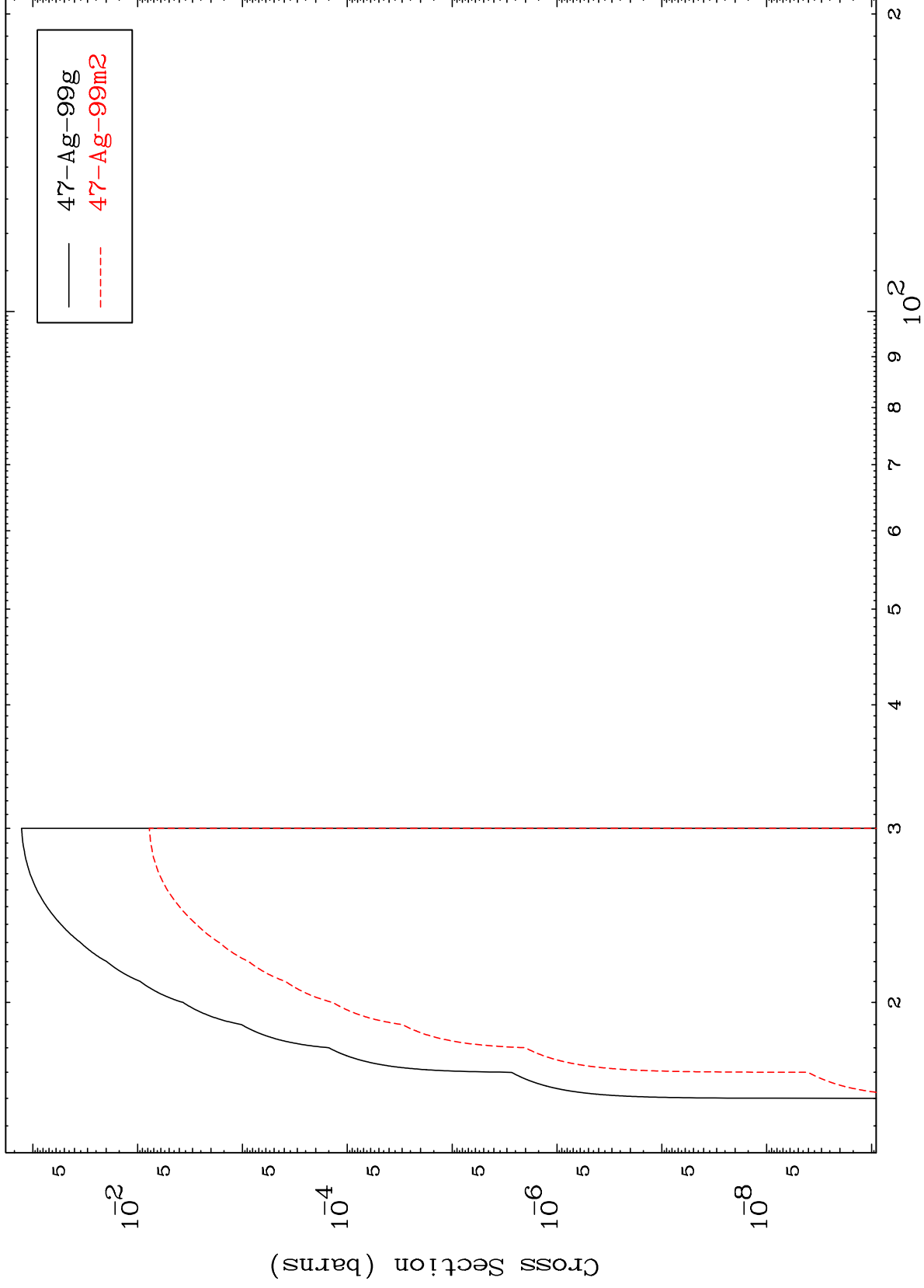
48-Cd-101

MAT 4810

(n,2n) p

48-Cd-101

Radionuclide Production Cross Section



67

Incident Energy (MeV)

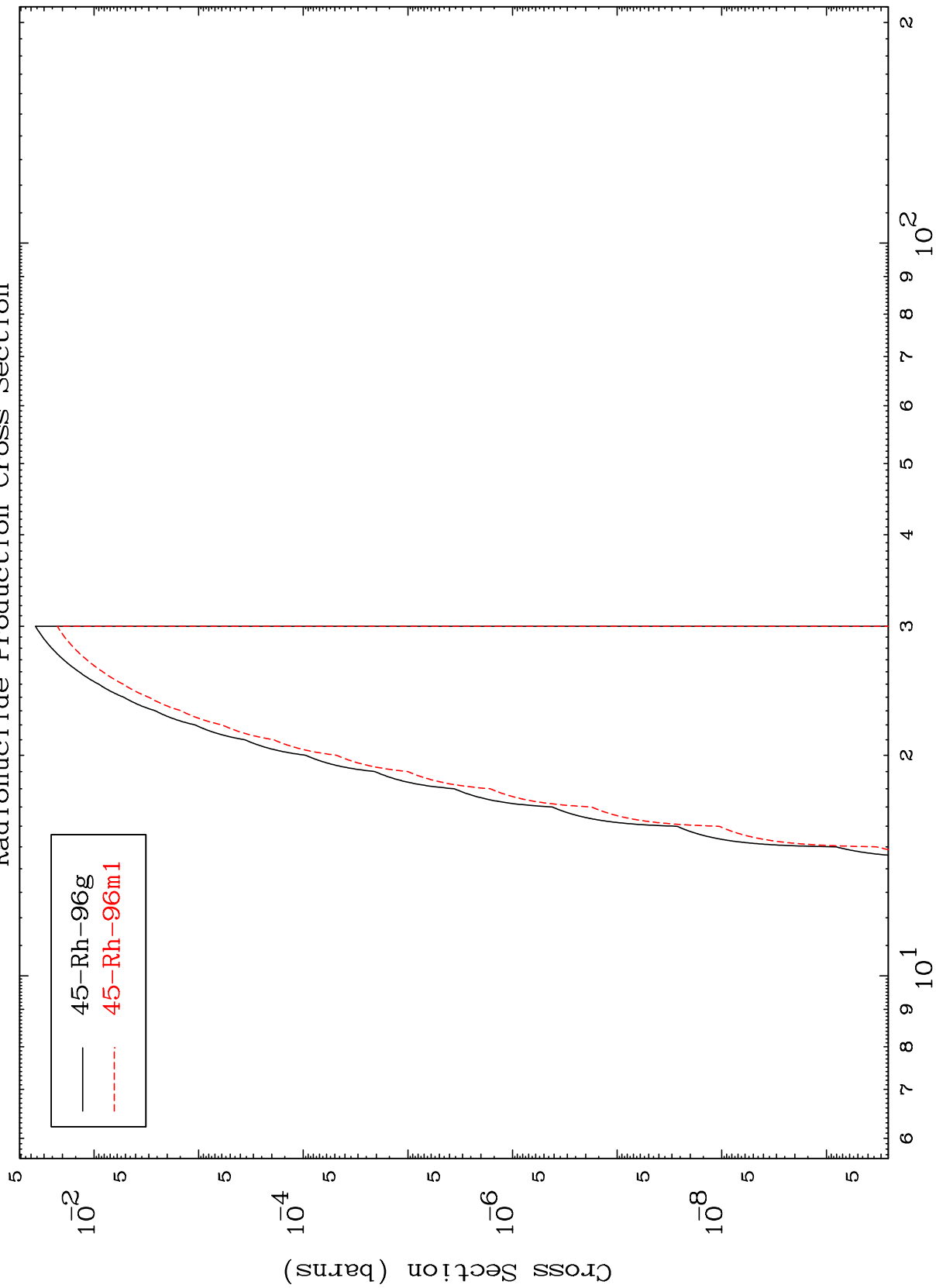
48-Cd-101

MAT 4810

(n,n') p α

48-Cd-101

Radionuclide Production Cross Section



68

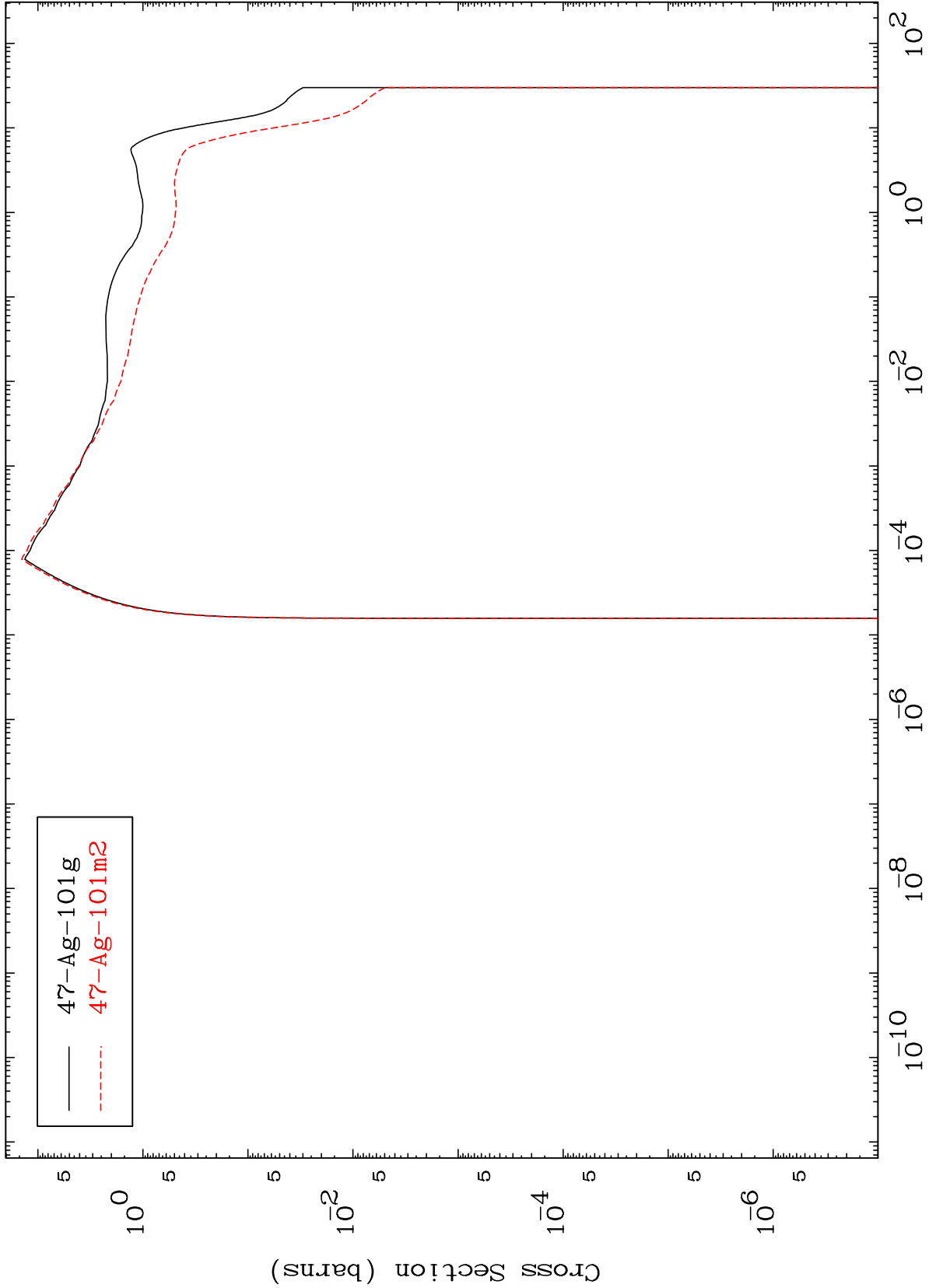
Incident Energy (MeV)

48-Cd-101

MAT 4810

48-Cd-101

(n,p)
Radionuclide Production Cross Section

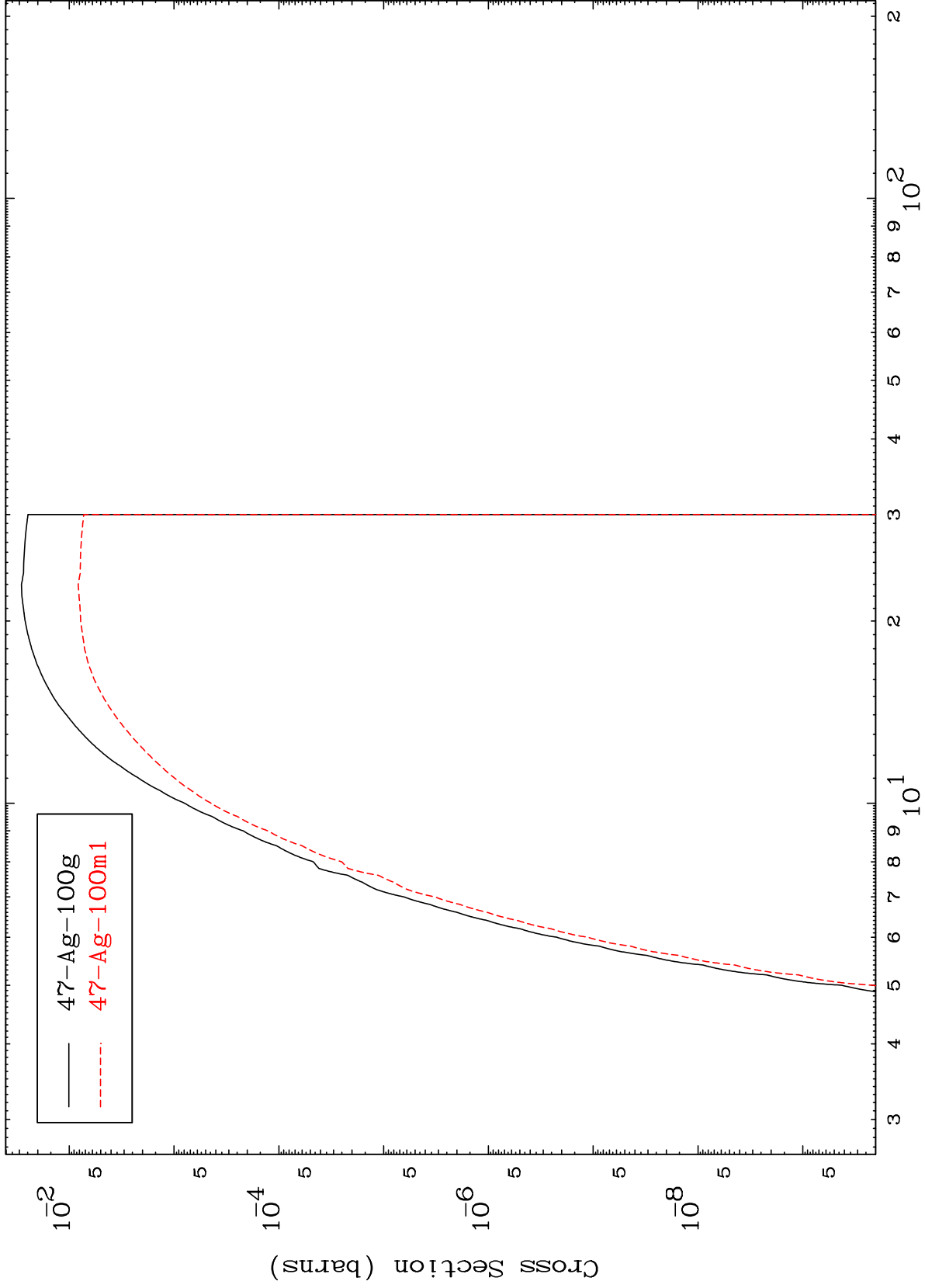


— 47-Ag-101g
- - - 47-Ag-101m2

MAT 4810

48-Cd-101

(n,d)
Radionuclide Production Cross Section



70

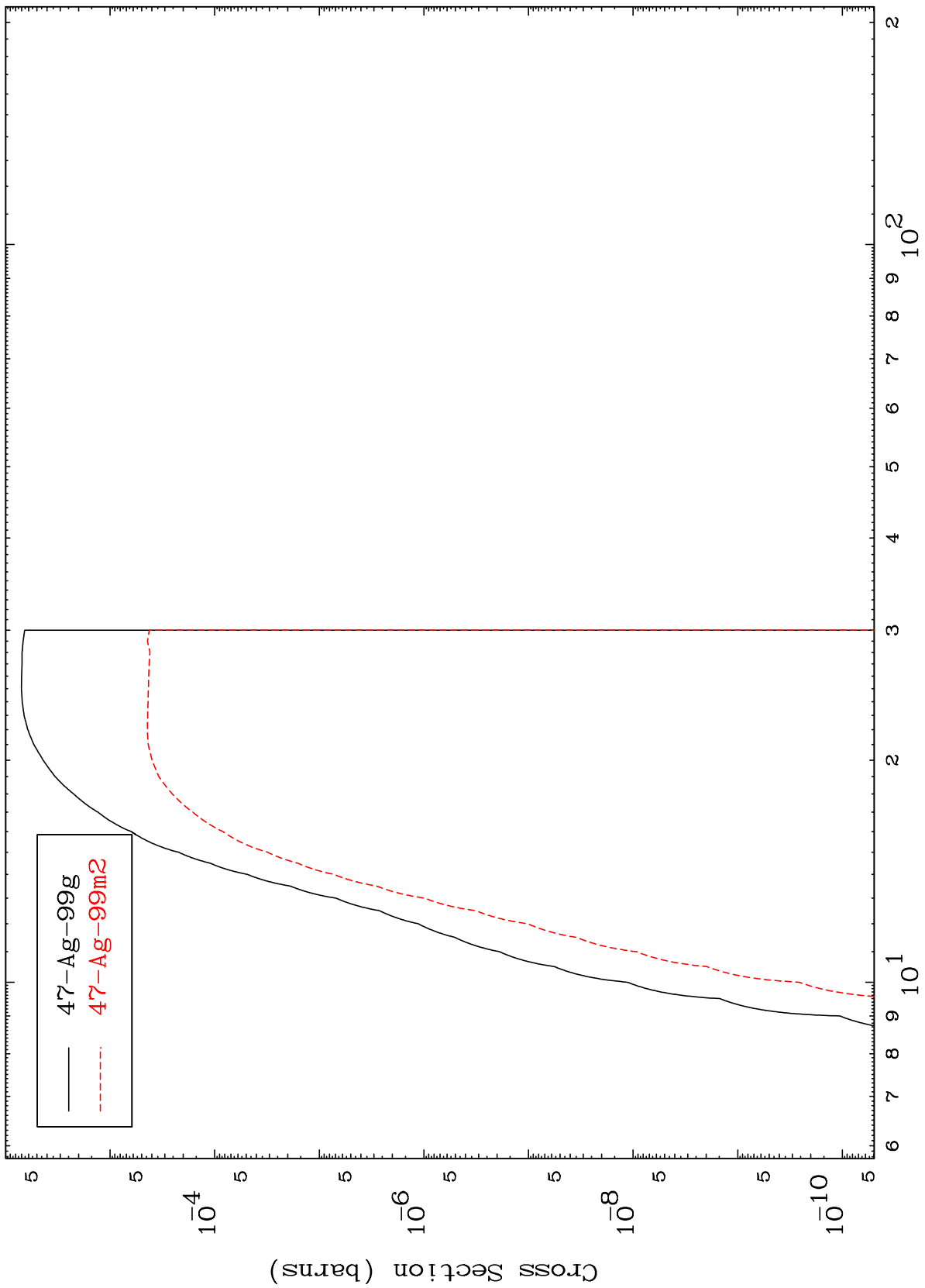
Incident Energy (MeV)

48-Cd-101

MAT 4810

48-Cd-101

(n, t)
Radionuclide Production Cross Section



71

Incident Energy (MeV)

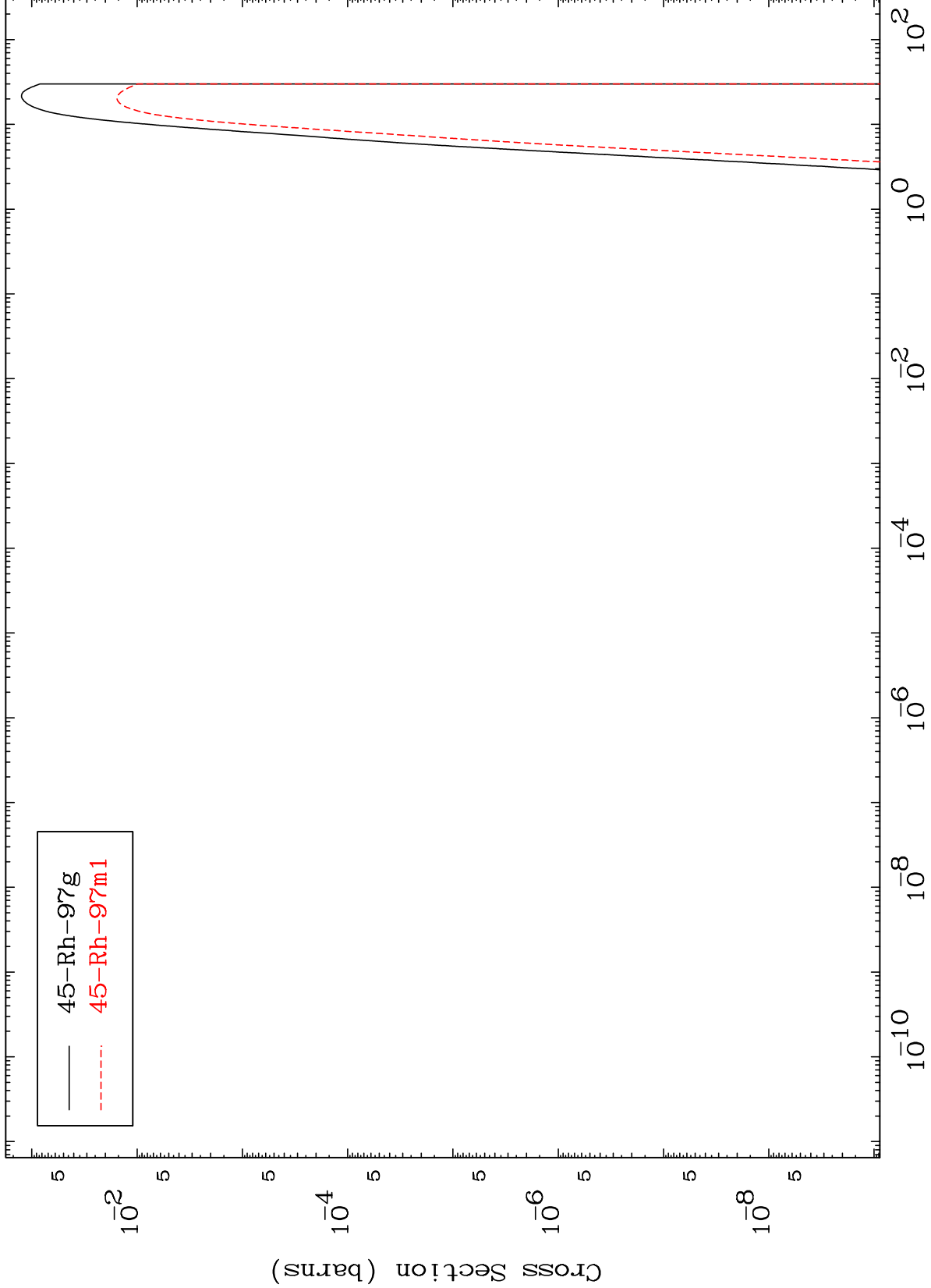
48-Cd-101

MAT 4810

(n,p) α

48-Cd-101

Radionuclide Production Cross Section



72

Incident Energy (MeV)

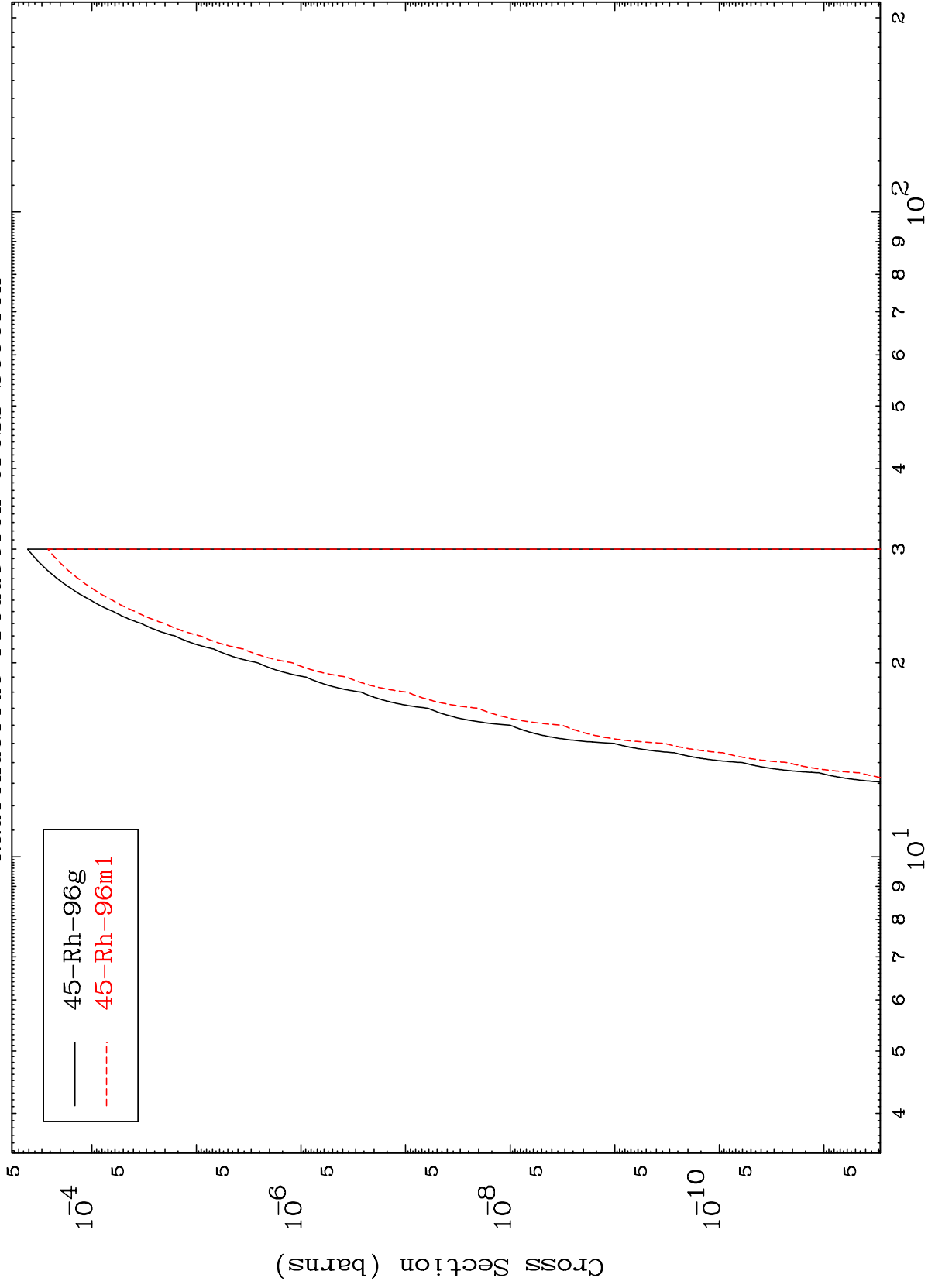
48-Cd-101

MAT 4810

(n,d) α

48-Cd-101

Radionuclide Production Cross Section



73

Incident Energy (MeV)

48-Cd-101