

Program EVALPLOT
(Version 2021-1)

by

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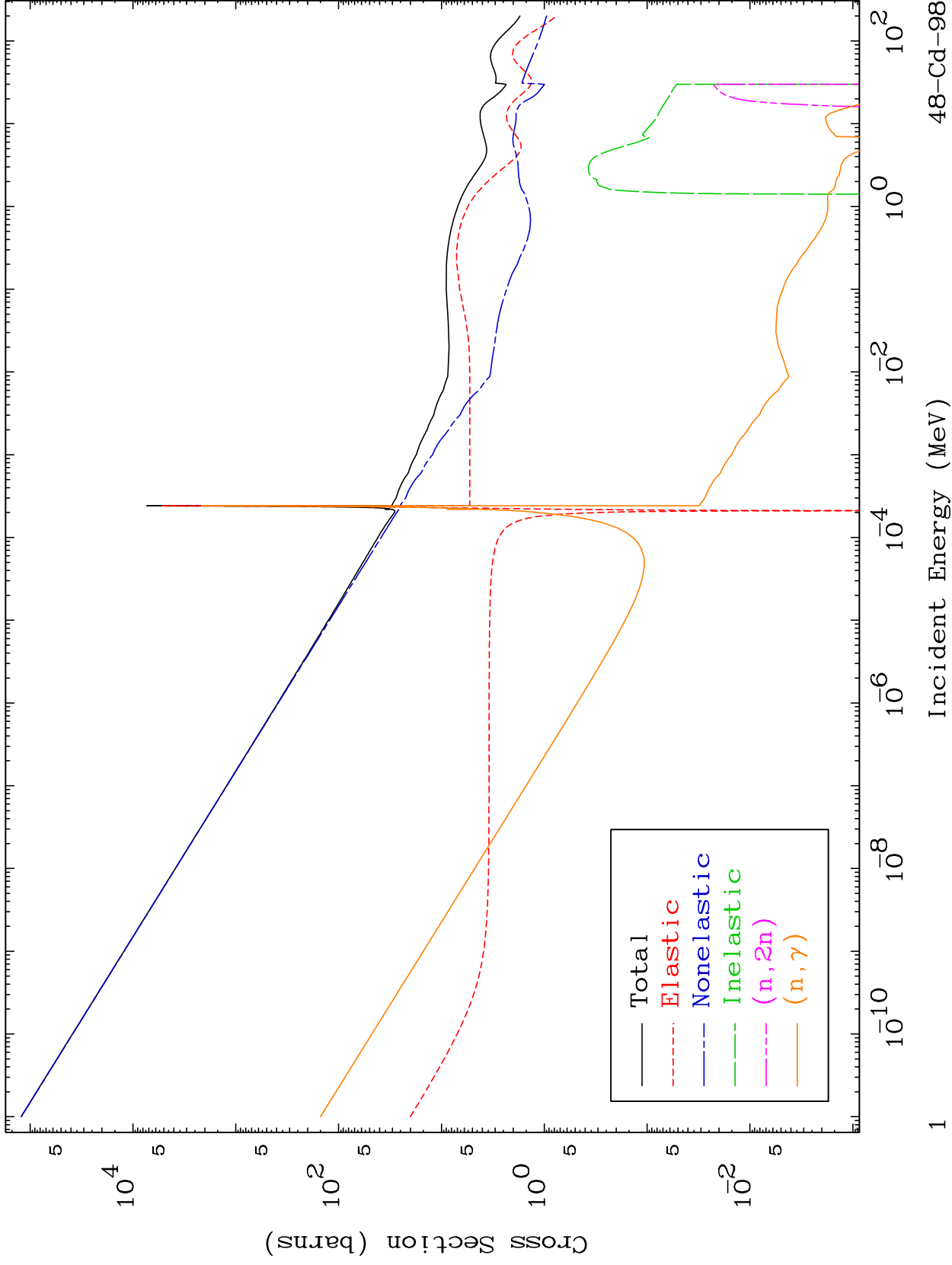
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4801

Neutron Major
293 Kelvin Cross Sections

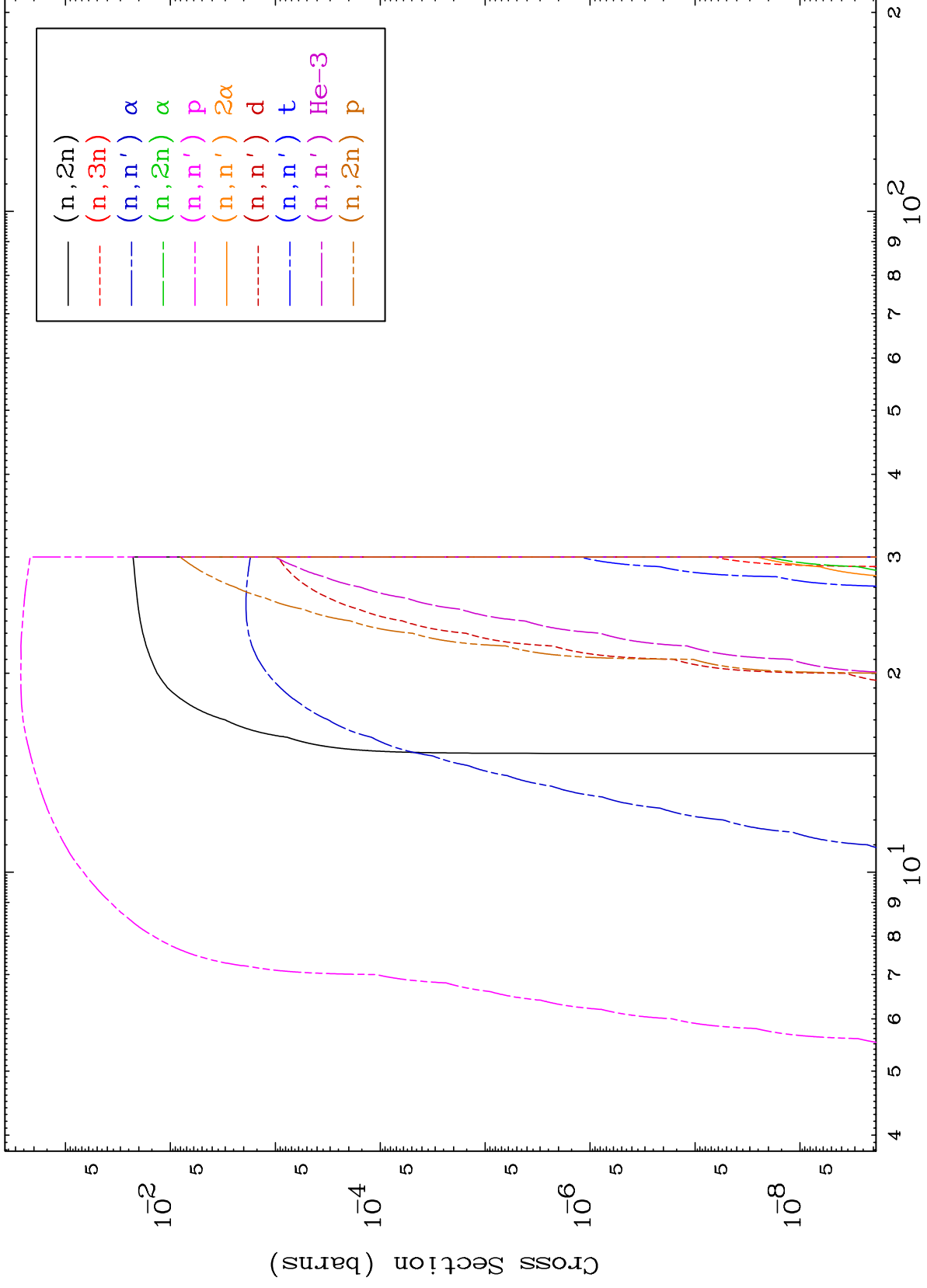
48-Cd-98



MAT 4801

Neutron Absorption
293 Kelvin Cross Sections

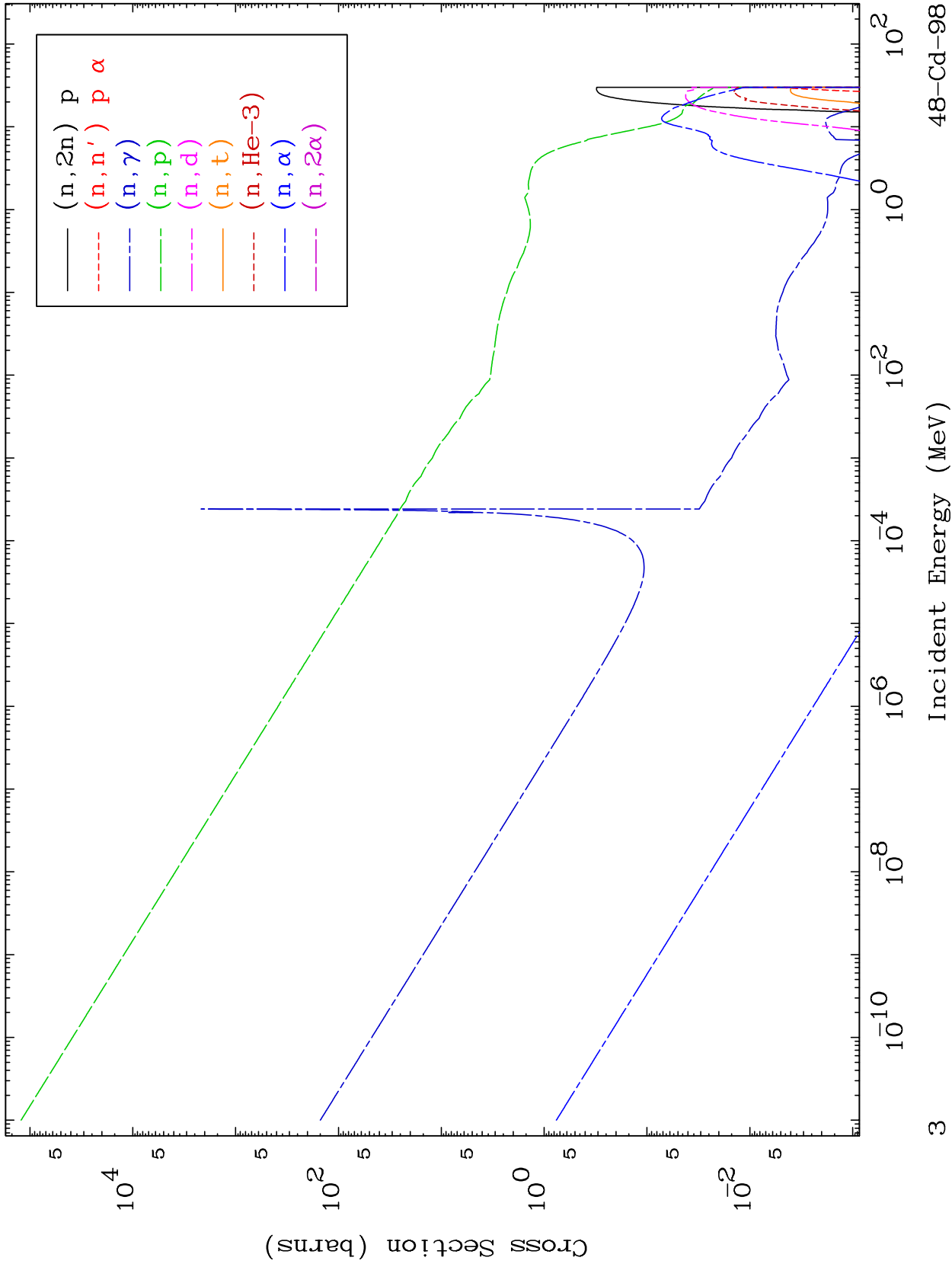
48-Cd-98



2

Incident Energy (MeV)

48-Cd-98



MAT 4801

Neutron Absorption
293 Kelvin Cross Sections

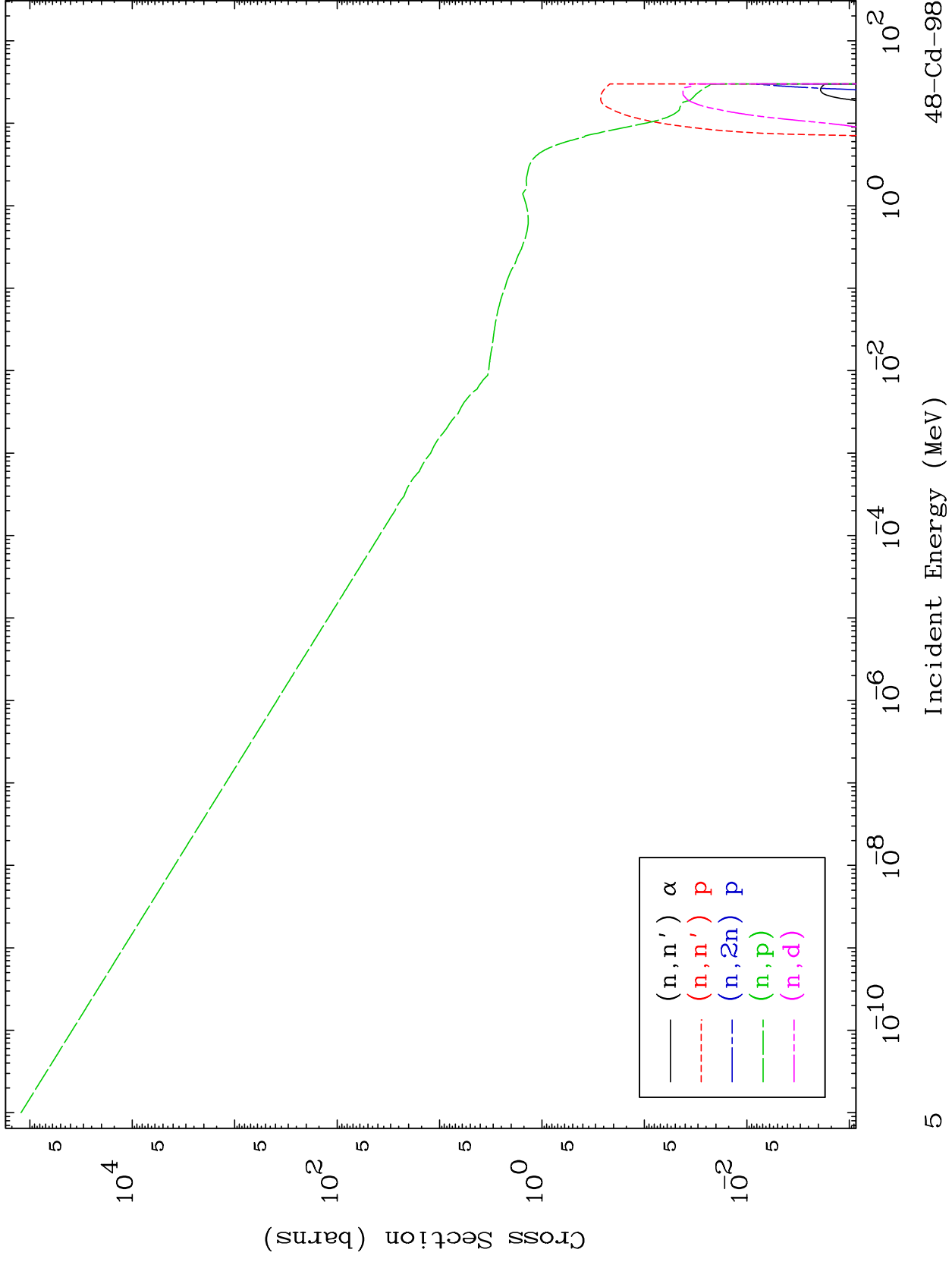
48-Cd-98



MAT 4801

Charged Particle
293 Kelvin Cross Sections

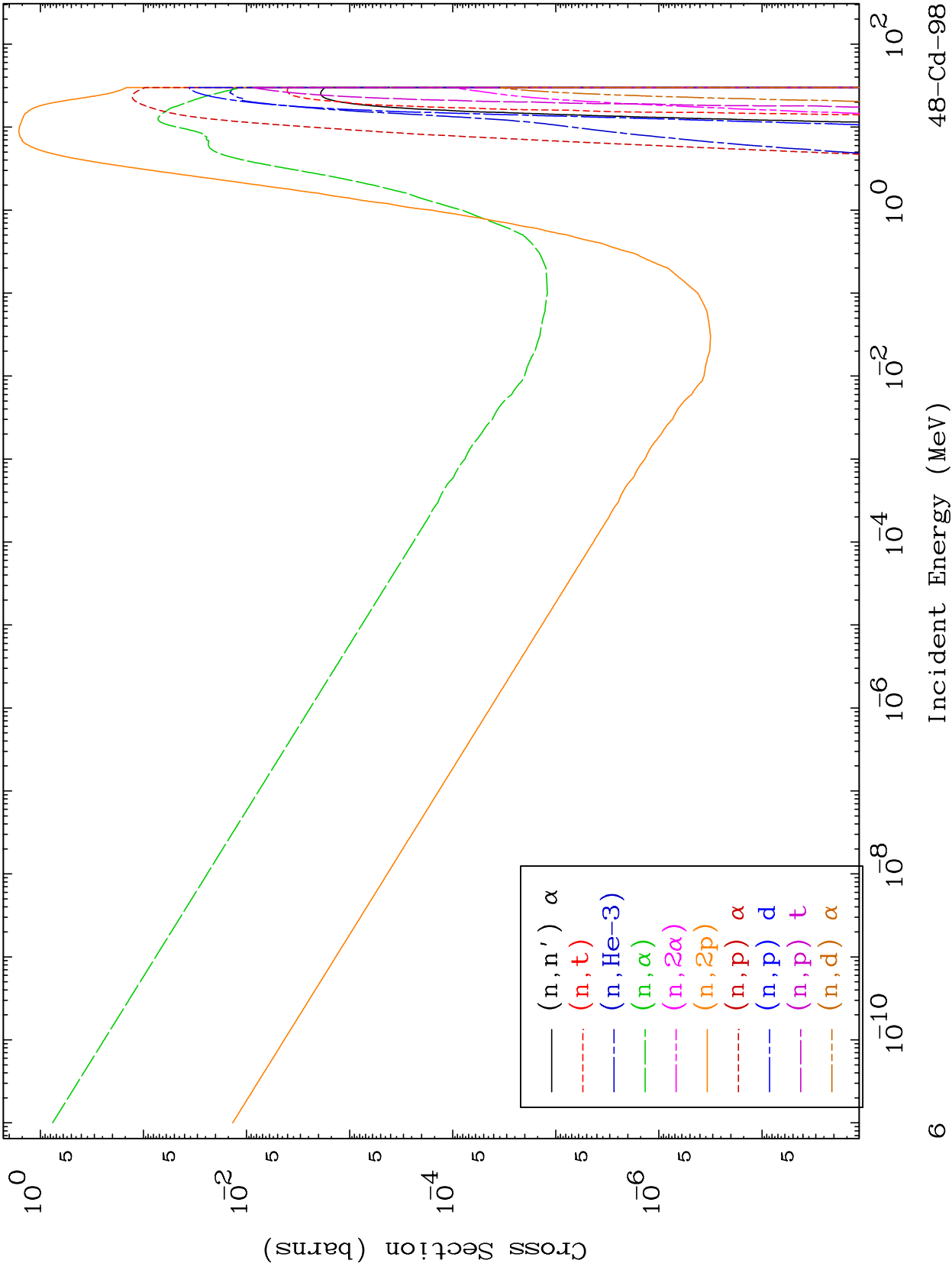
48-Cd-98



MAT 4801

Charged Particle
293 Kelvin Cross Sections

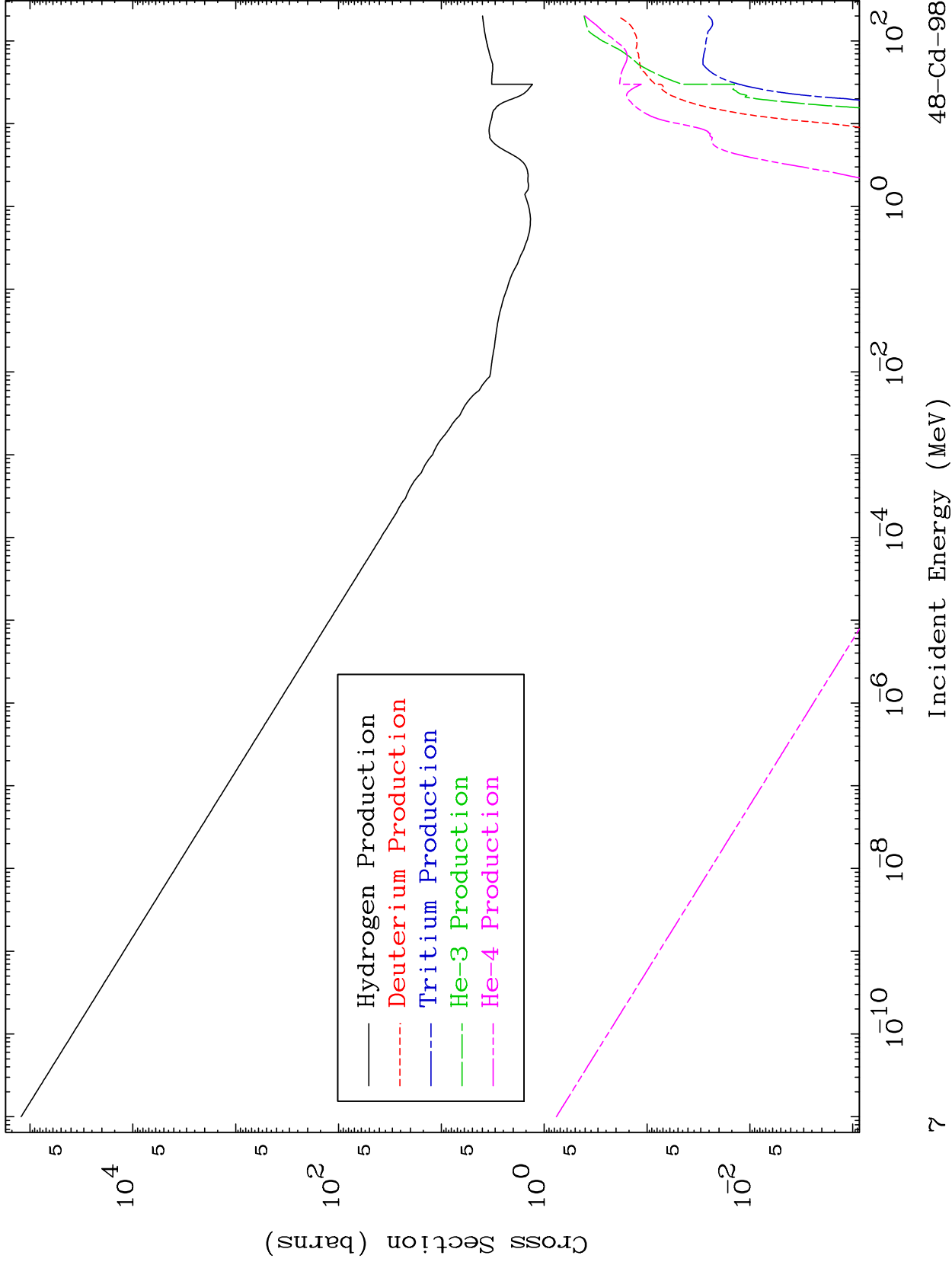
48-Cd-98

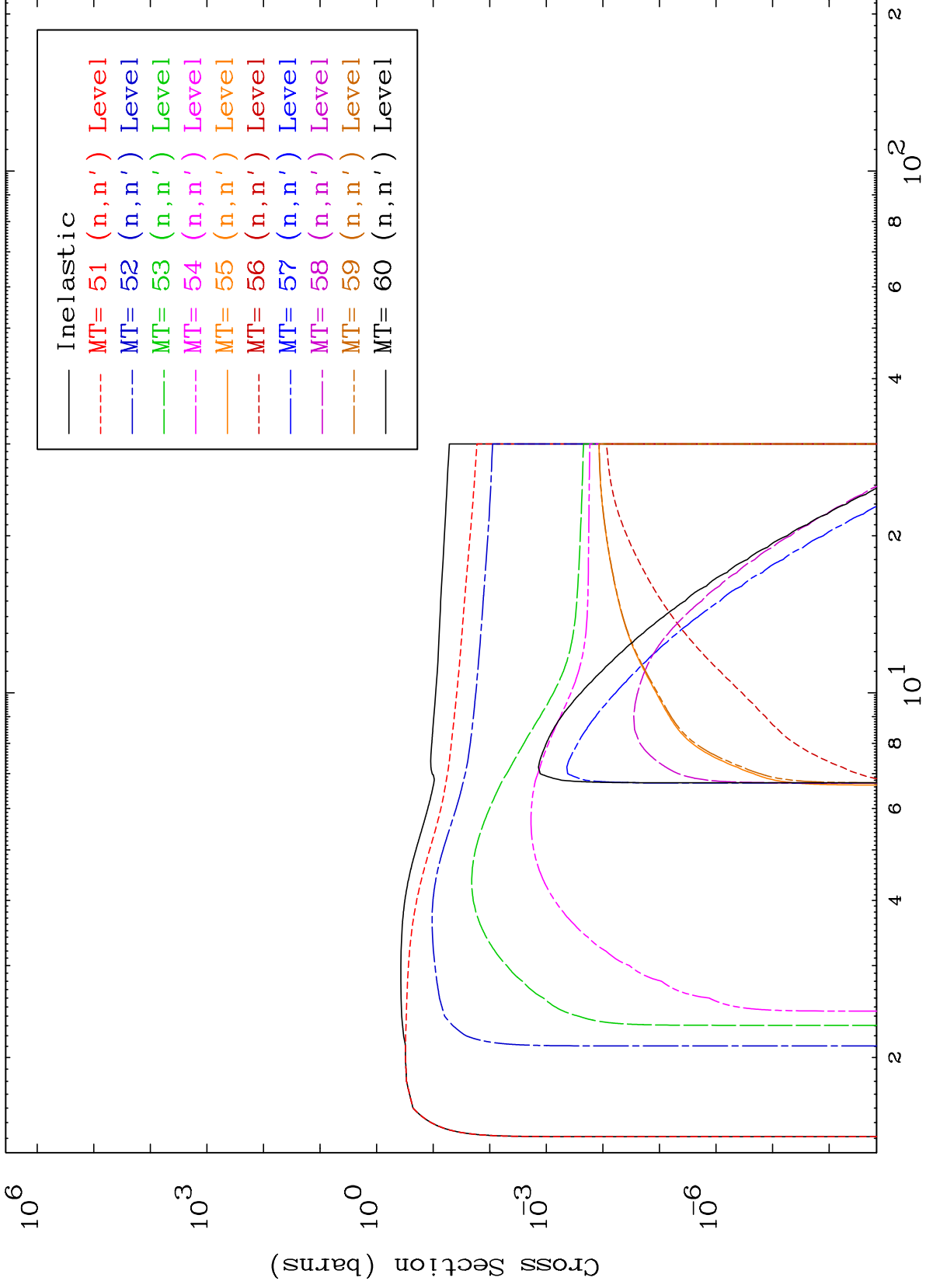


MAT 4801

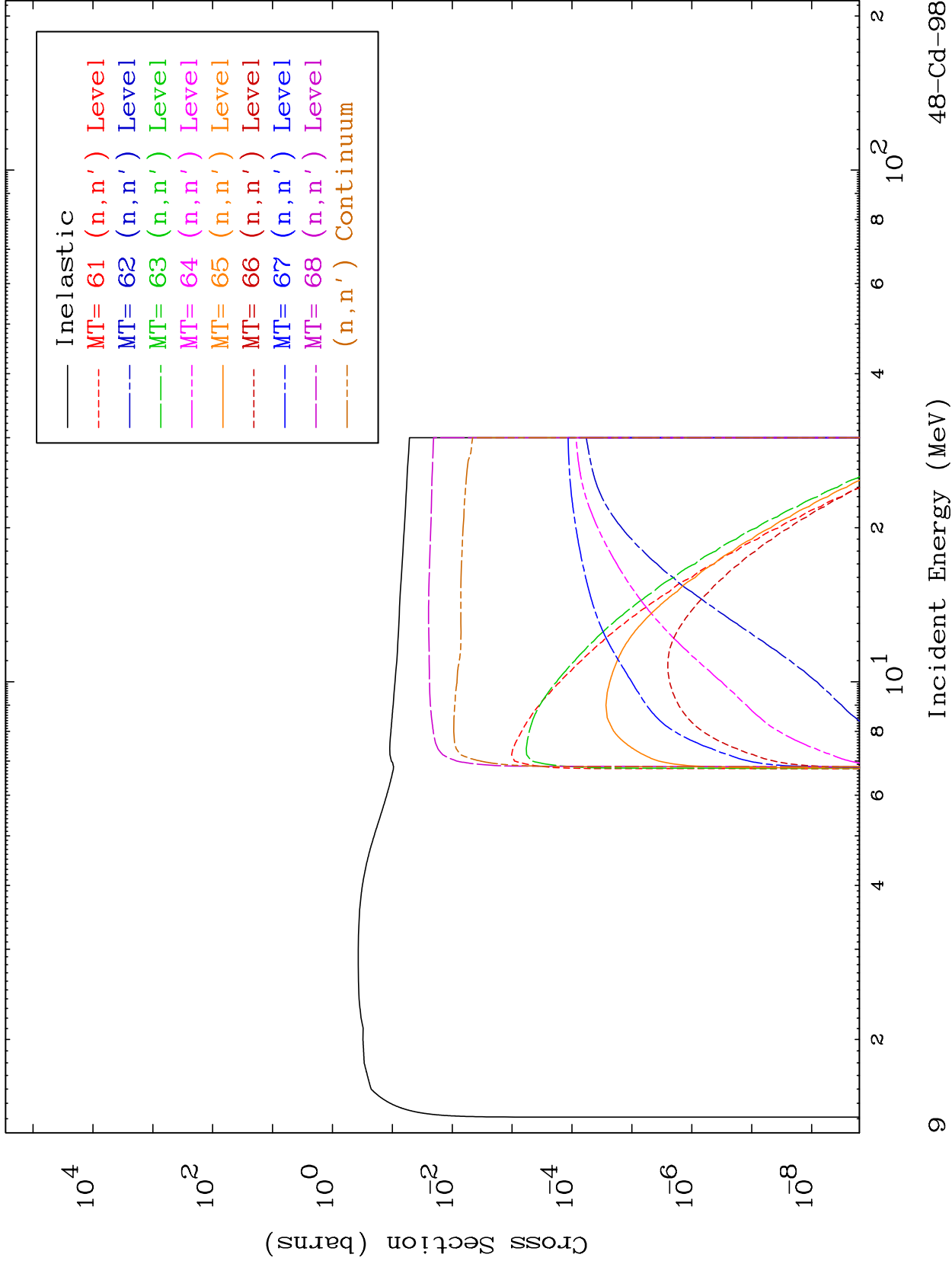
Particle Production
293 Kelvin Cross Sections

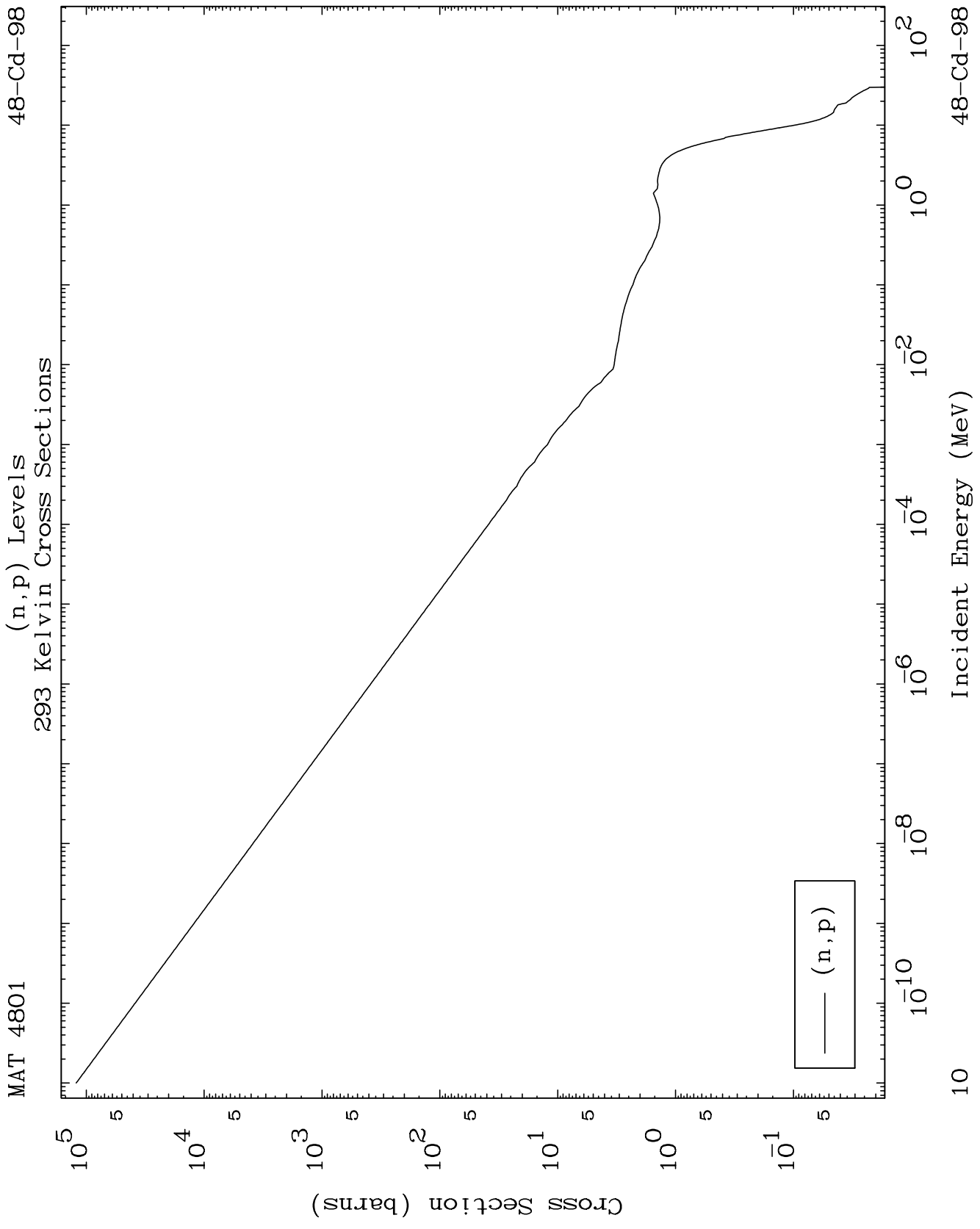
48-Cd-98





—	Inelastic
- - -	MT= 51 (n, n') Level
- · - ·	MT= 52 (n, n') Level
- - -	MT= 53 (n, n') Level
- · - ·	MT= 54 (n, n') Level
—	MT= 55 (n, n') Level
- - -	MT= 56 (n, n') Level
- · - ·	MT= 57 (n, n') Level
- - -	MT= 58 (n, n') Level
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—	MT= 60 (n, n') Level

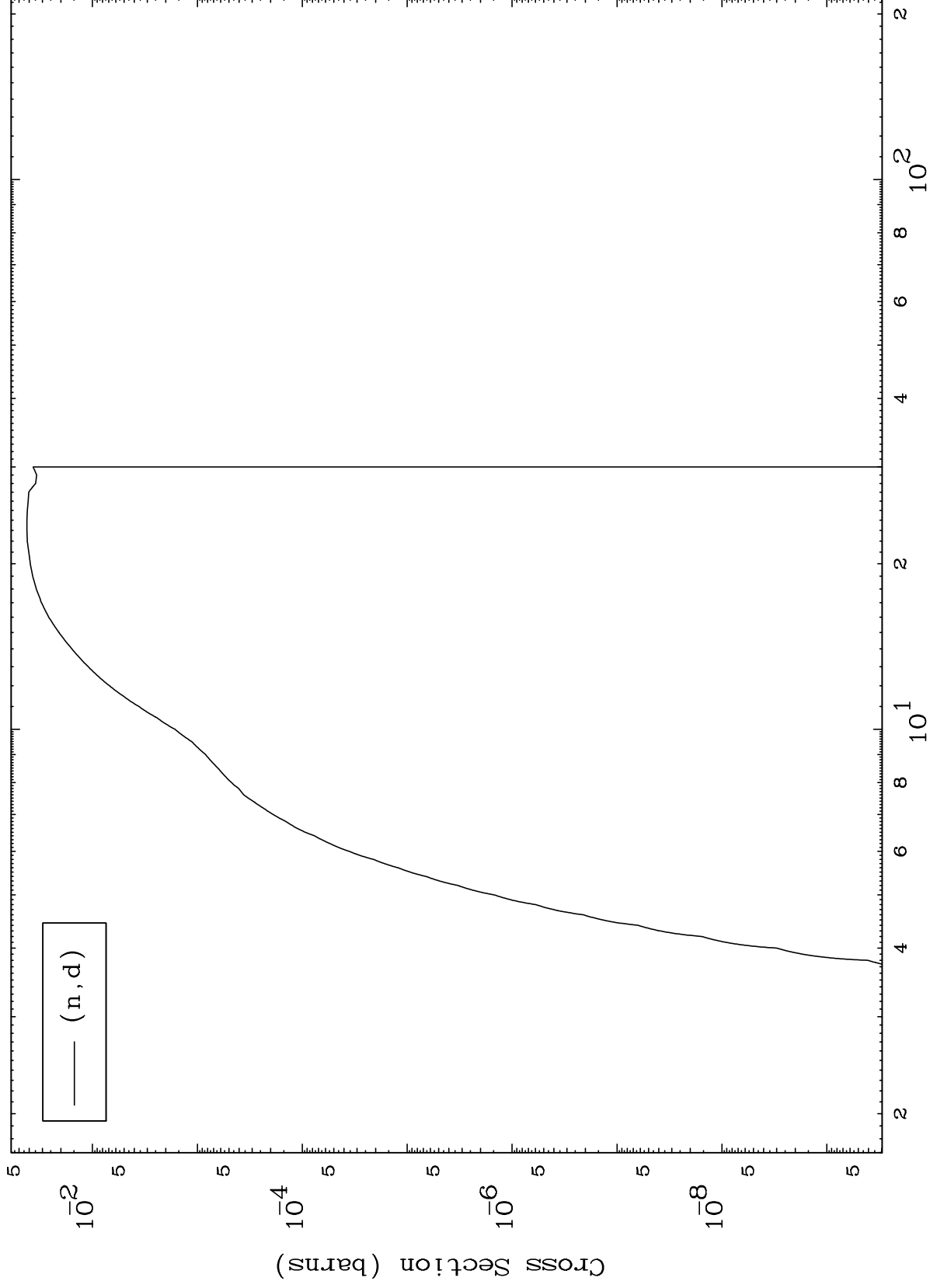




MAT 4801

(n,d) Levels
293 Kelvin Cross Sections

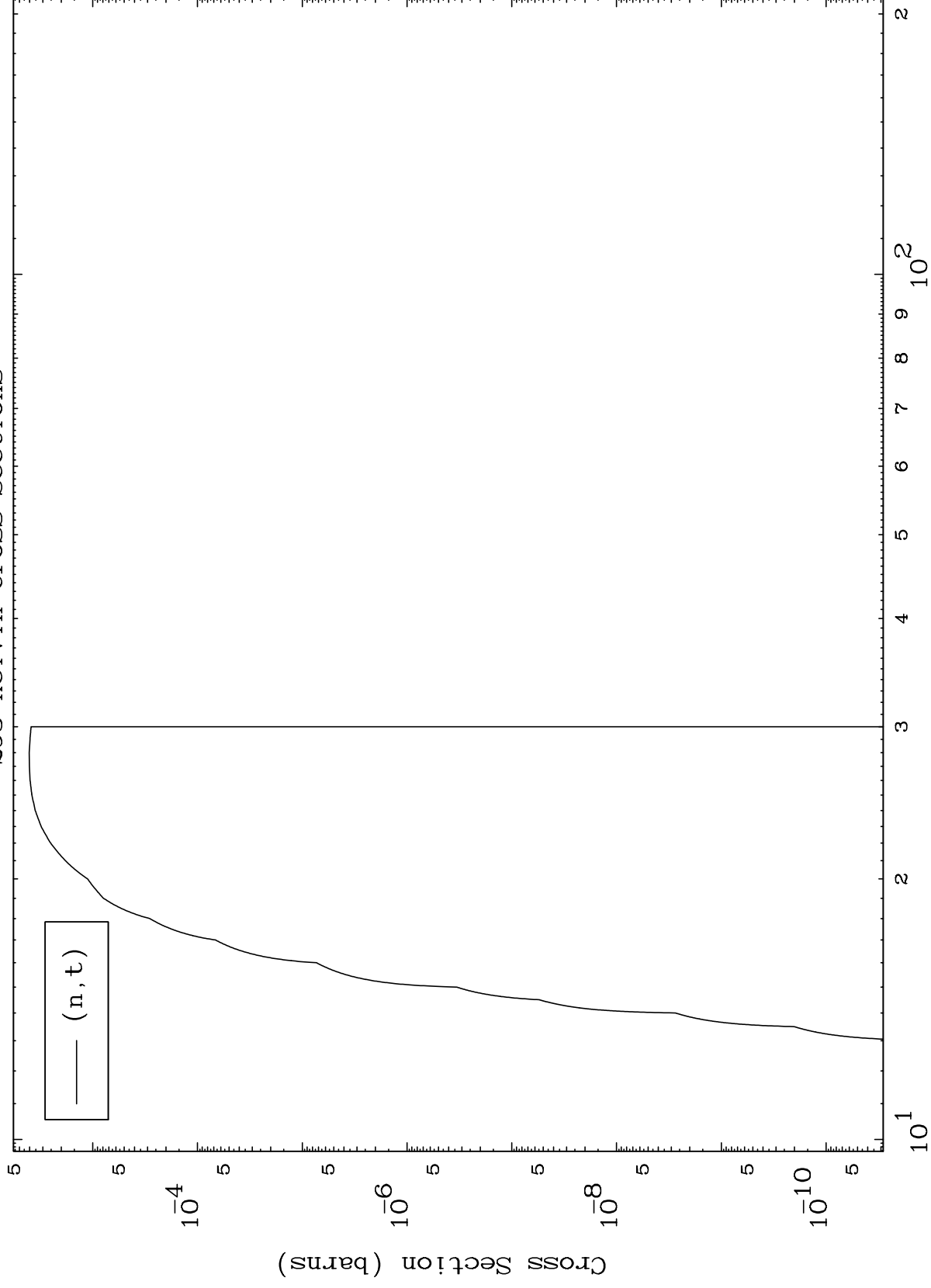
48-Cd-98



MAT 4801

(n,t) Levels
293 Kelvin Cross Sections

48-Cd-98



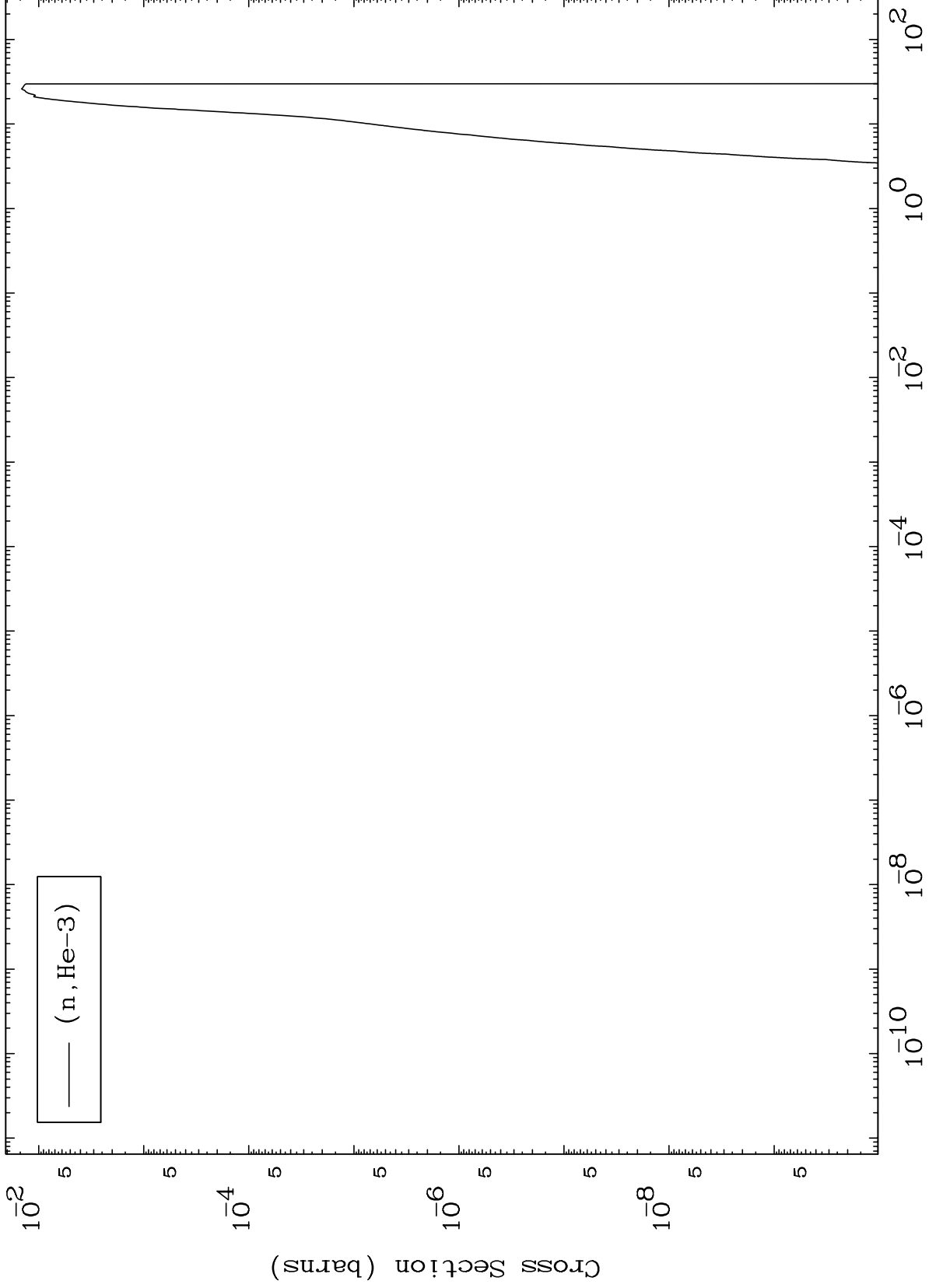
Incident Energy (MeV)

48-Cd-98

MAT 4801

(n,He3) Levels
293 Kelvin Cross Sections

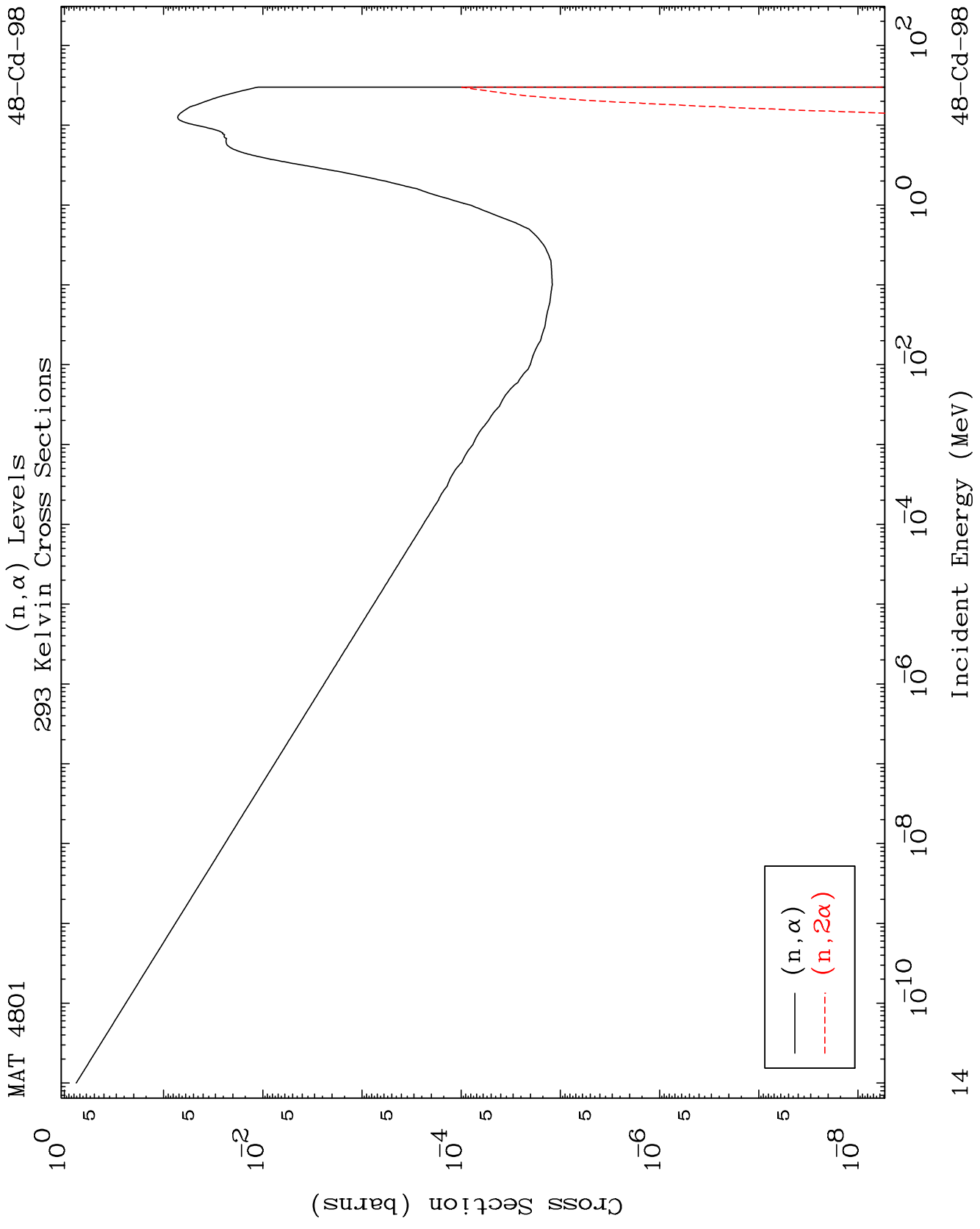
48-Cd-98

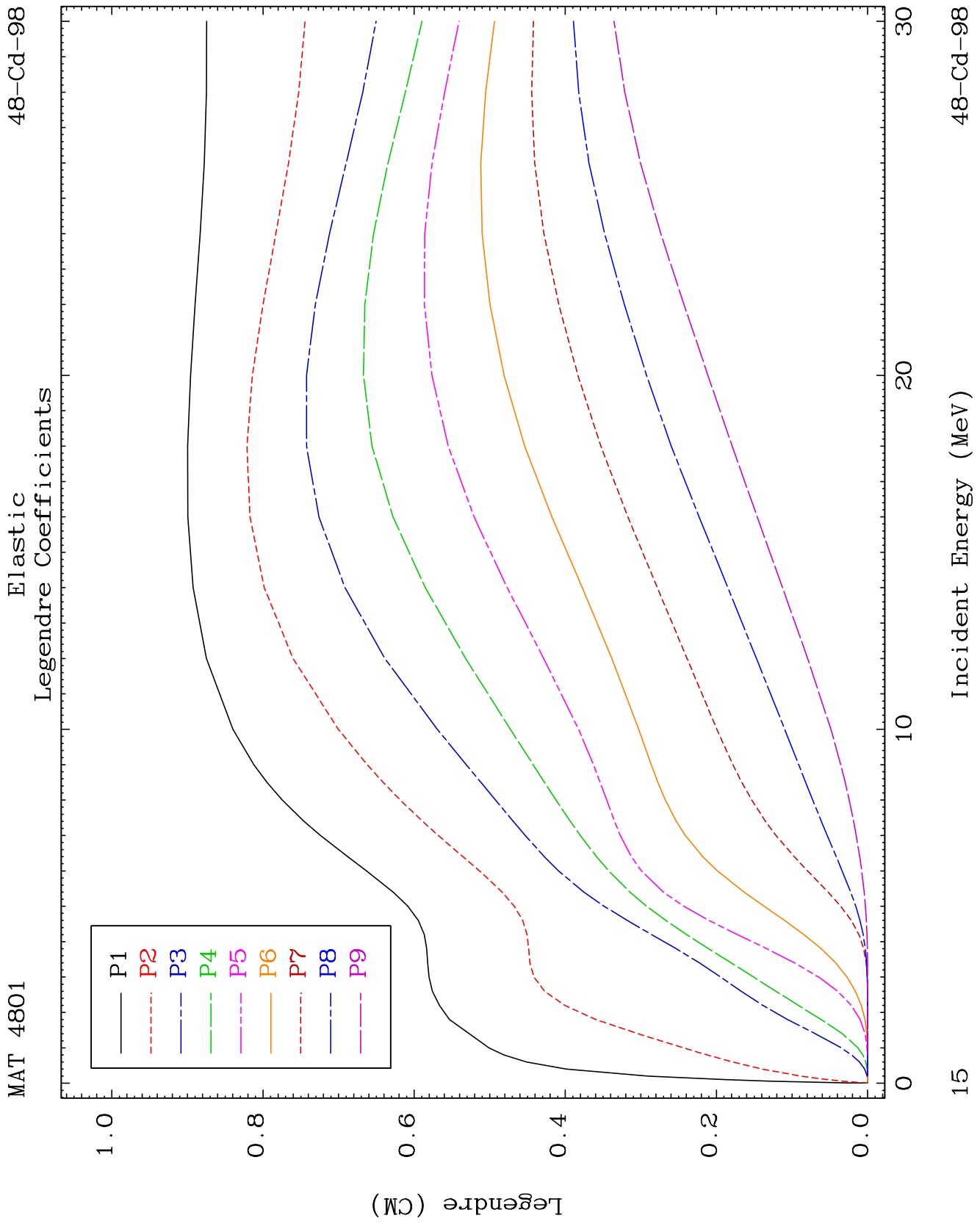


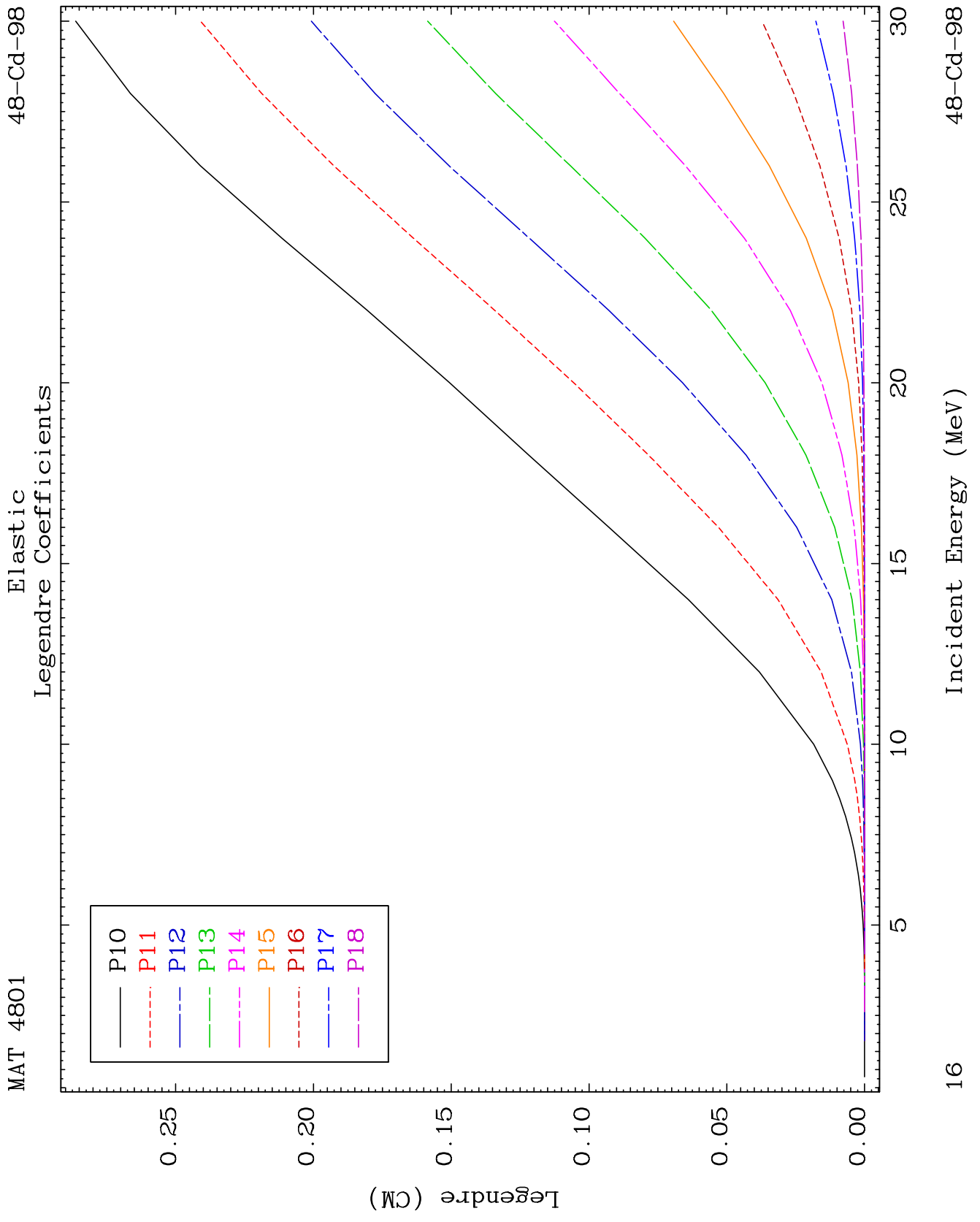
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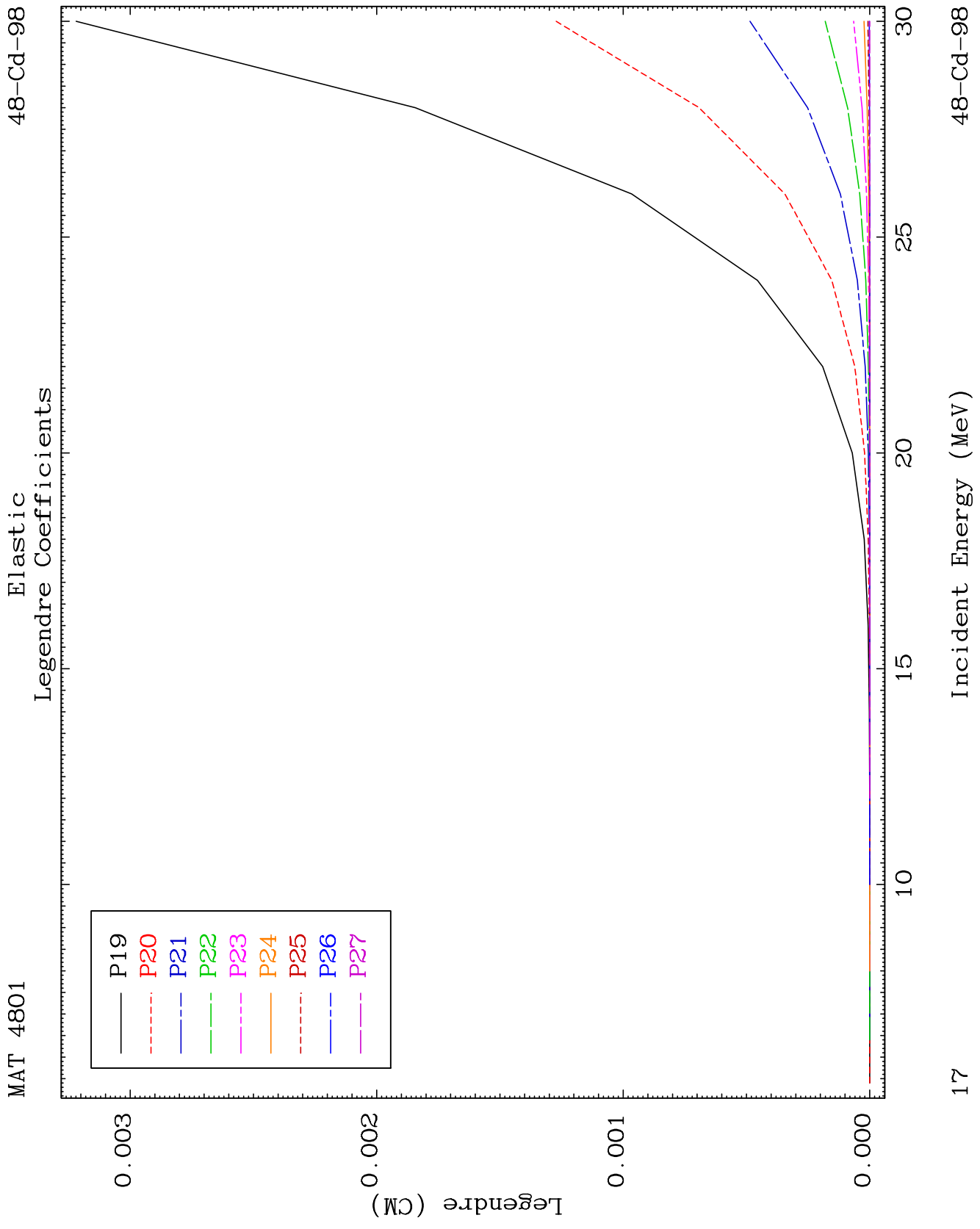
Incident Energy (MeV)

48-Cd-98









MAT 4801

Elastic Legendre Coefficients

48-Cd-98

17

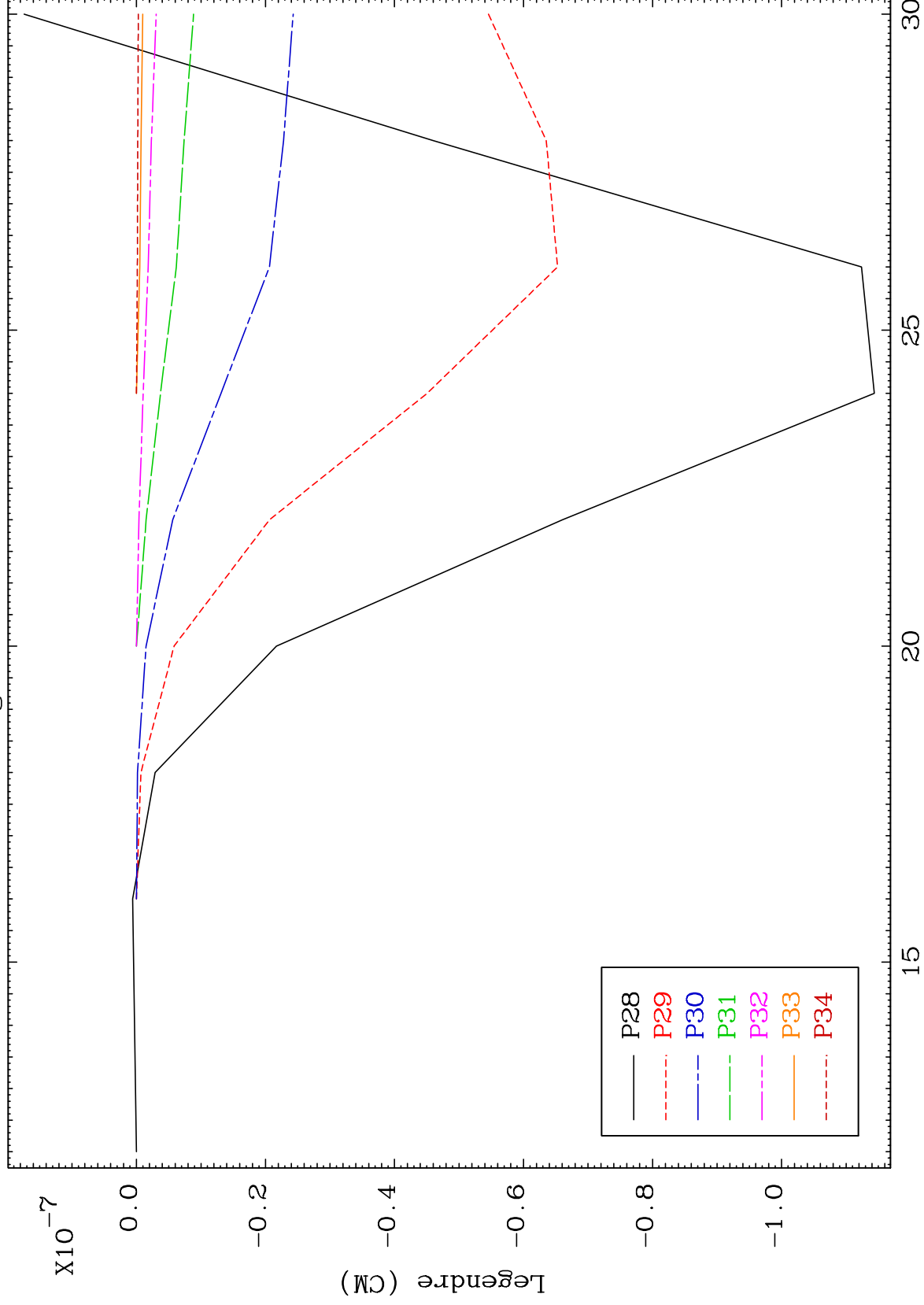
Incident Energy (MeV)

48-Cd-98

MAT 4801

Elastic Legendre Coefficients

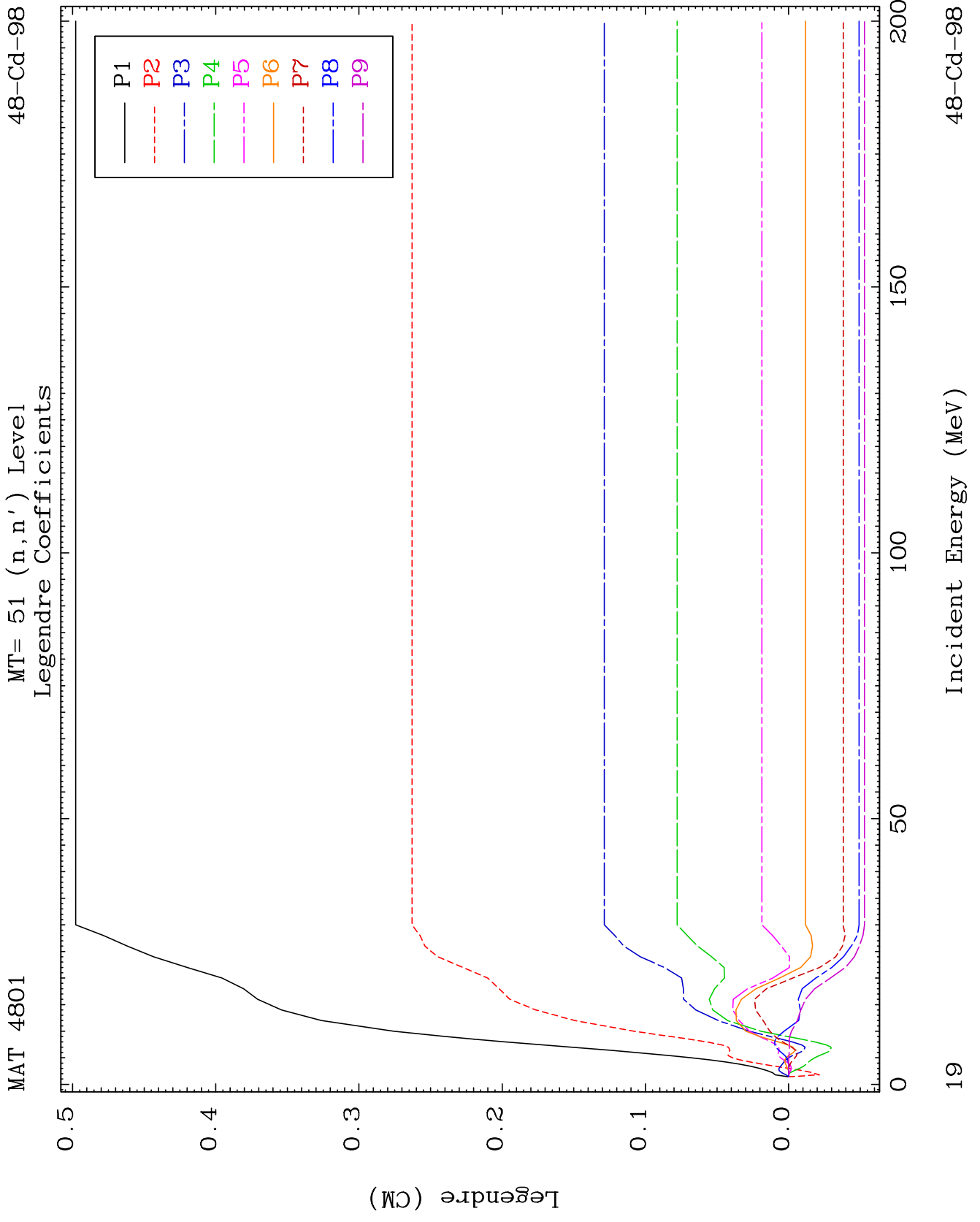
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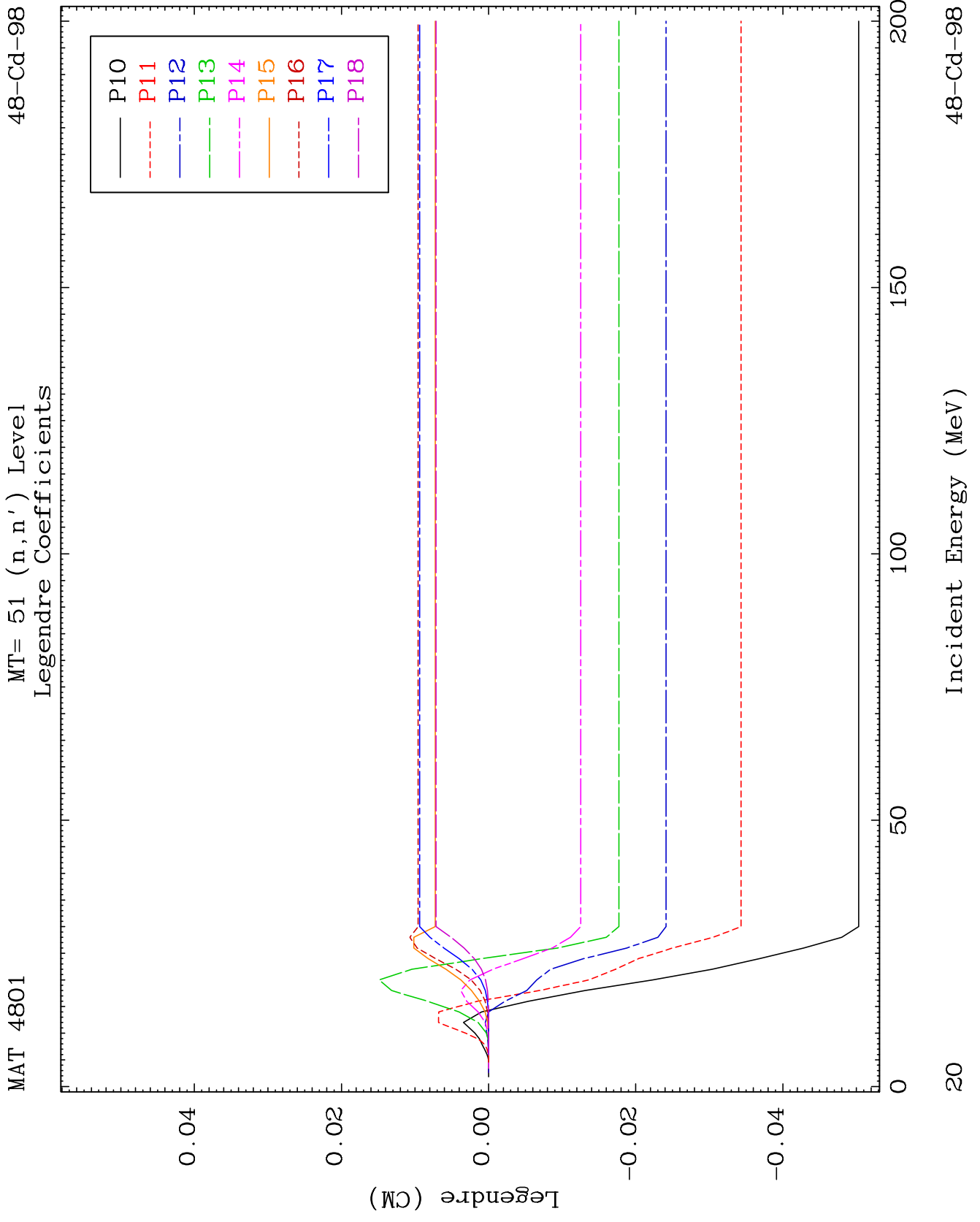


18

Incident Energy (MeV)

48-Cd-98

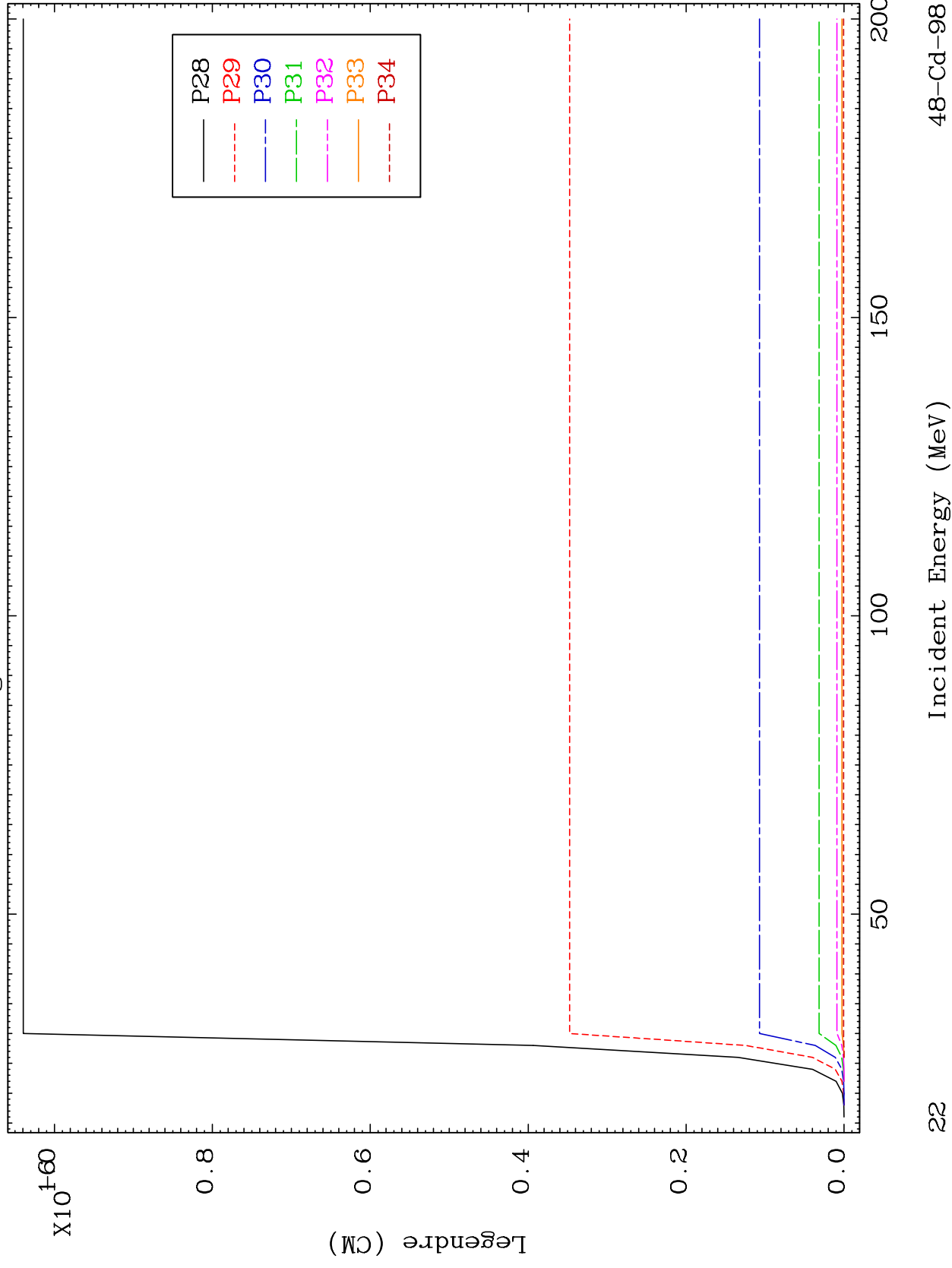




MAT 4801

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

48-Cd-98

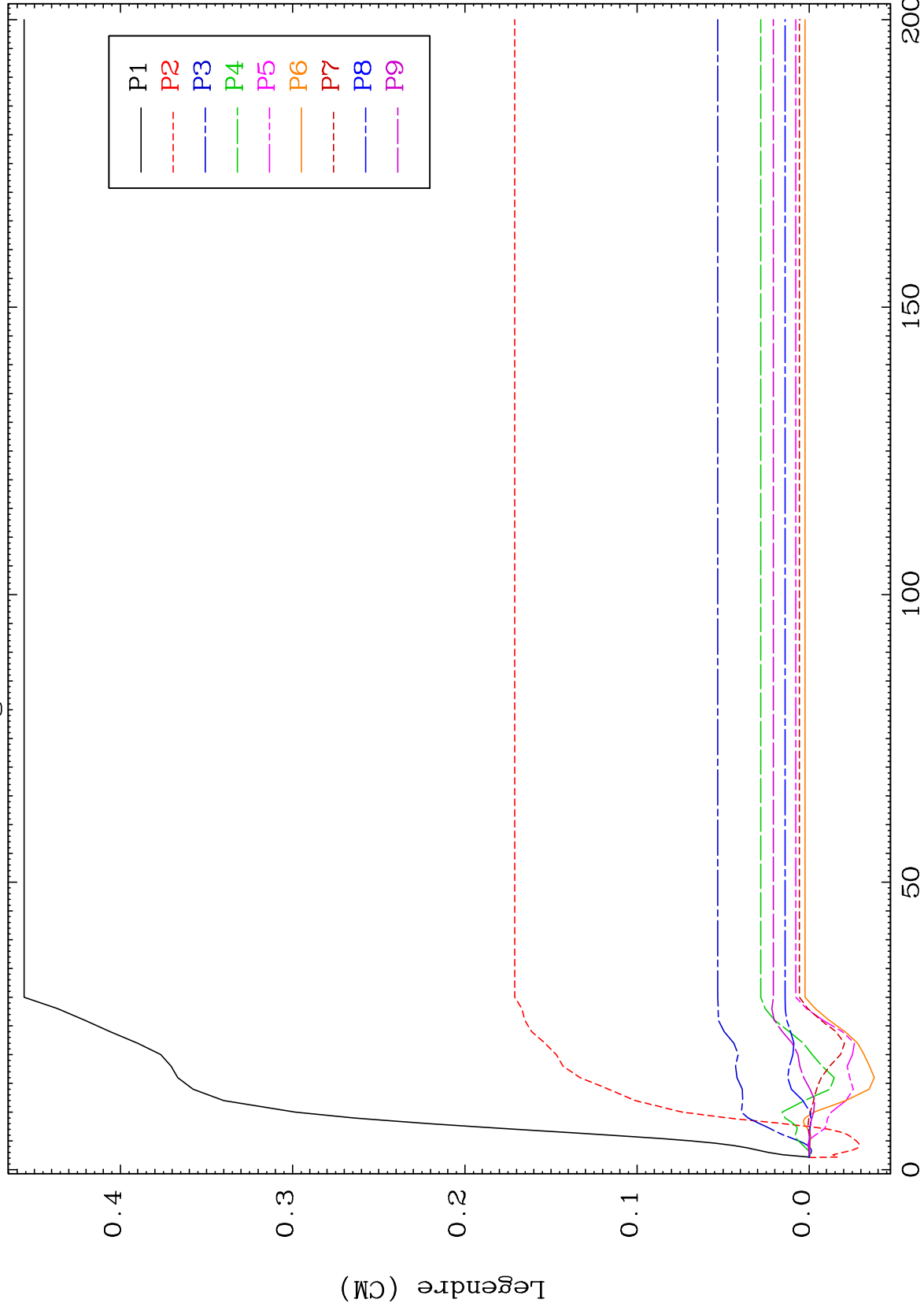


22

MAT 4801

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

48-Cd-98



23

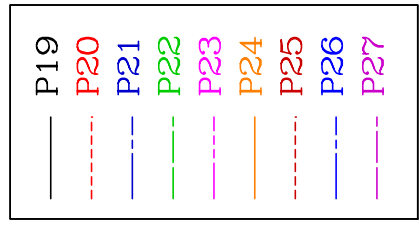
Incident Energy (MeV)

48-Cd-98

MAT 4801

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

48-Cd-98



$\times 10^{-3}$

1.2

0.8

0.4

0.0

Legendre (CM)

50

100

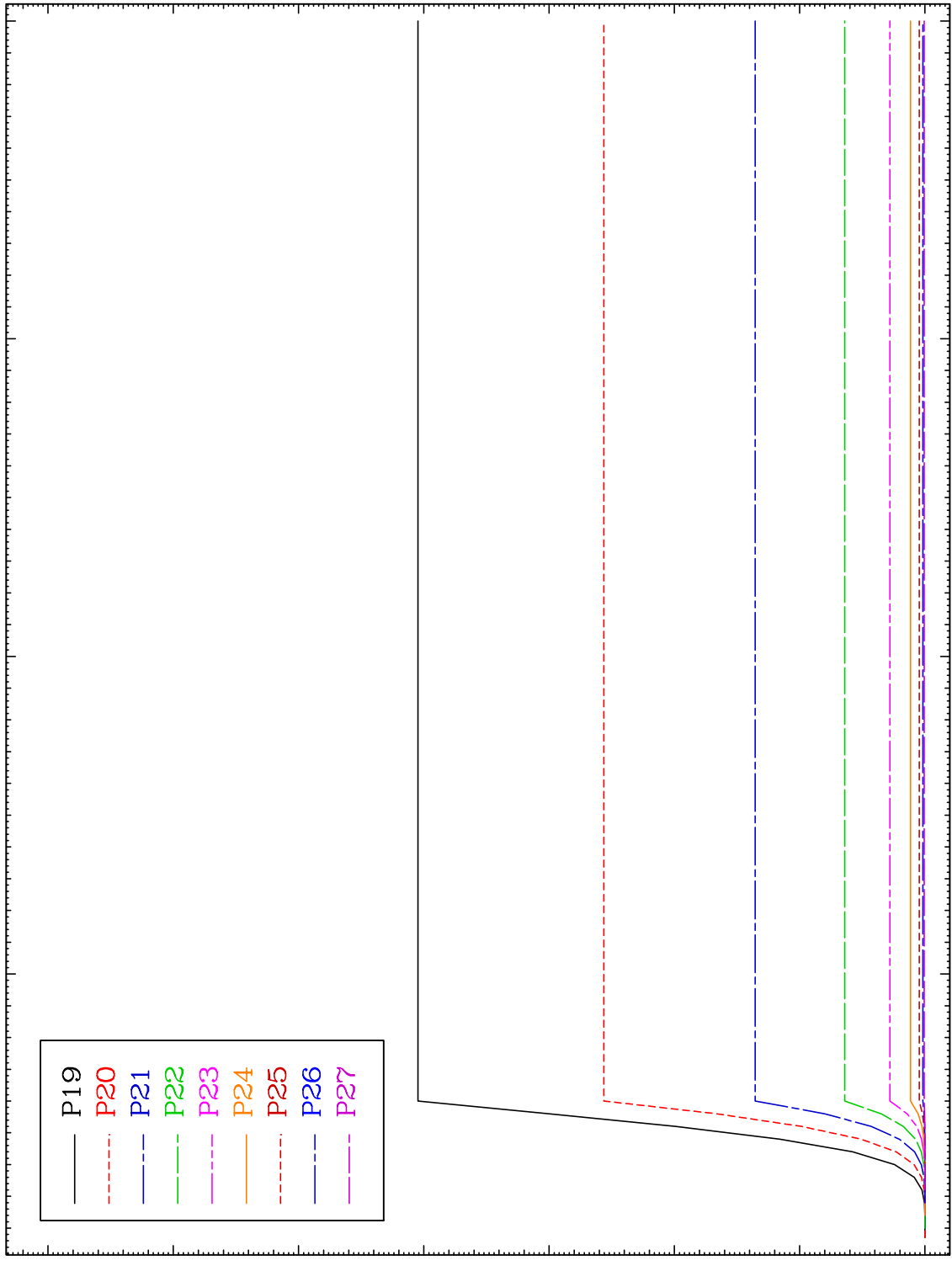
150

200

25

Incident Energy (MeV)

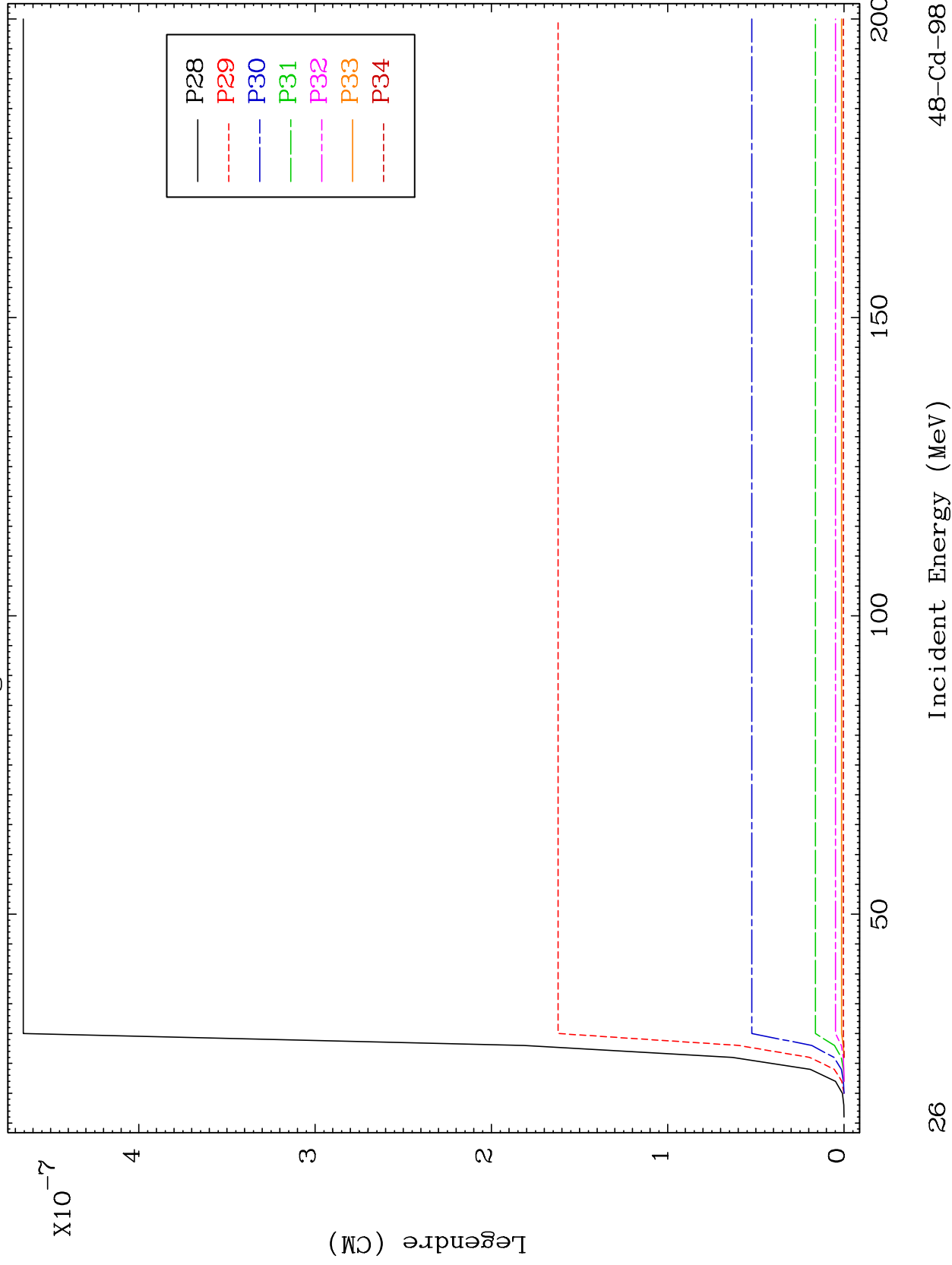
48-Cd-98



MAT 4801

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

48-Cd-98

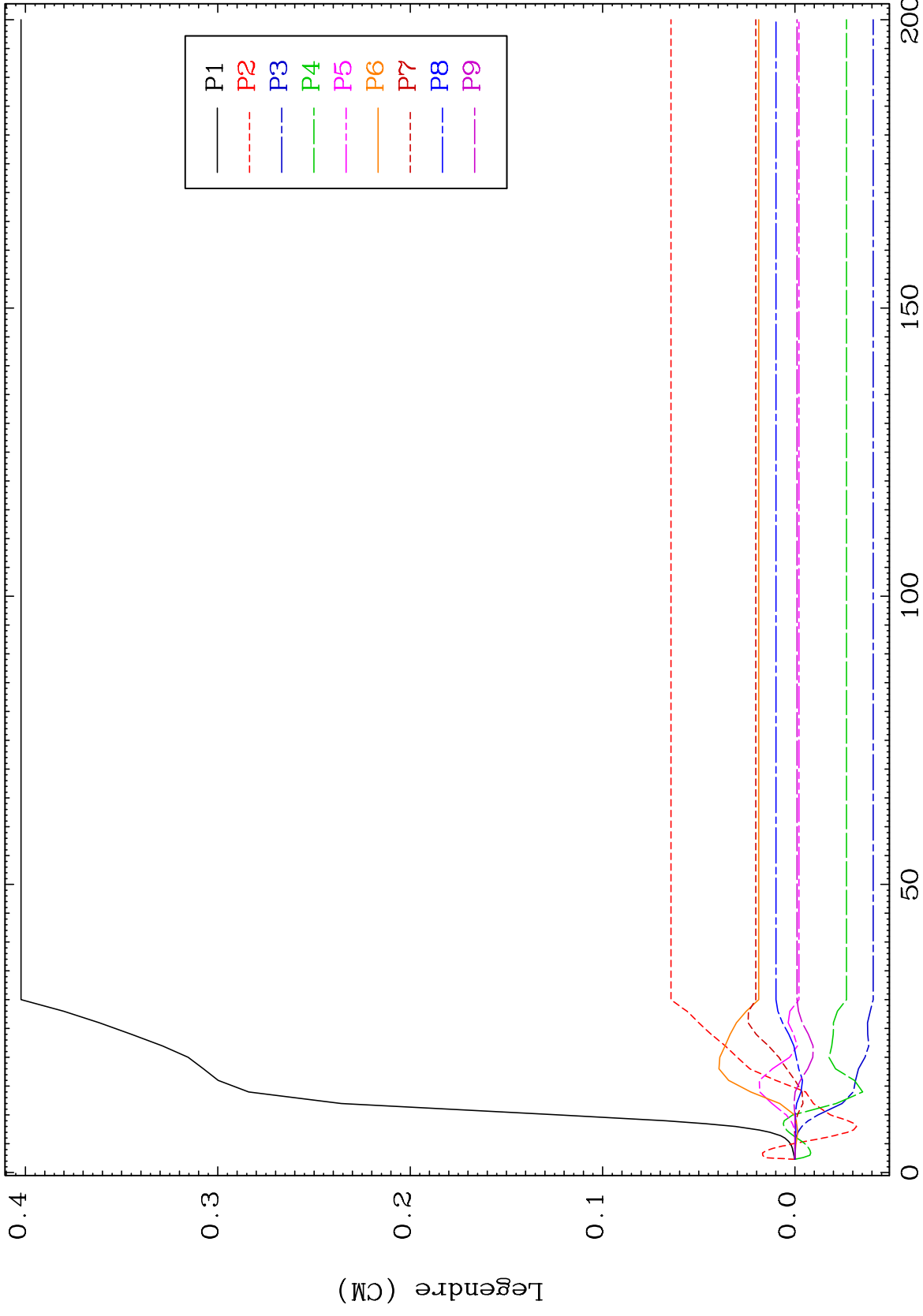


26

MAT 4801

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

48-Cd-98



27

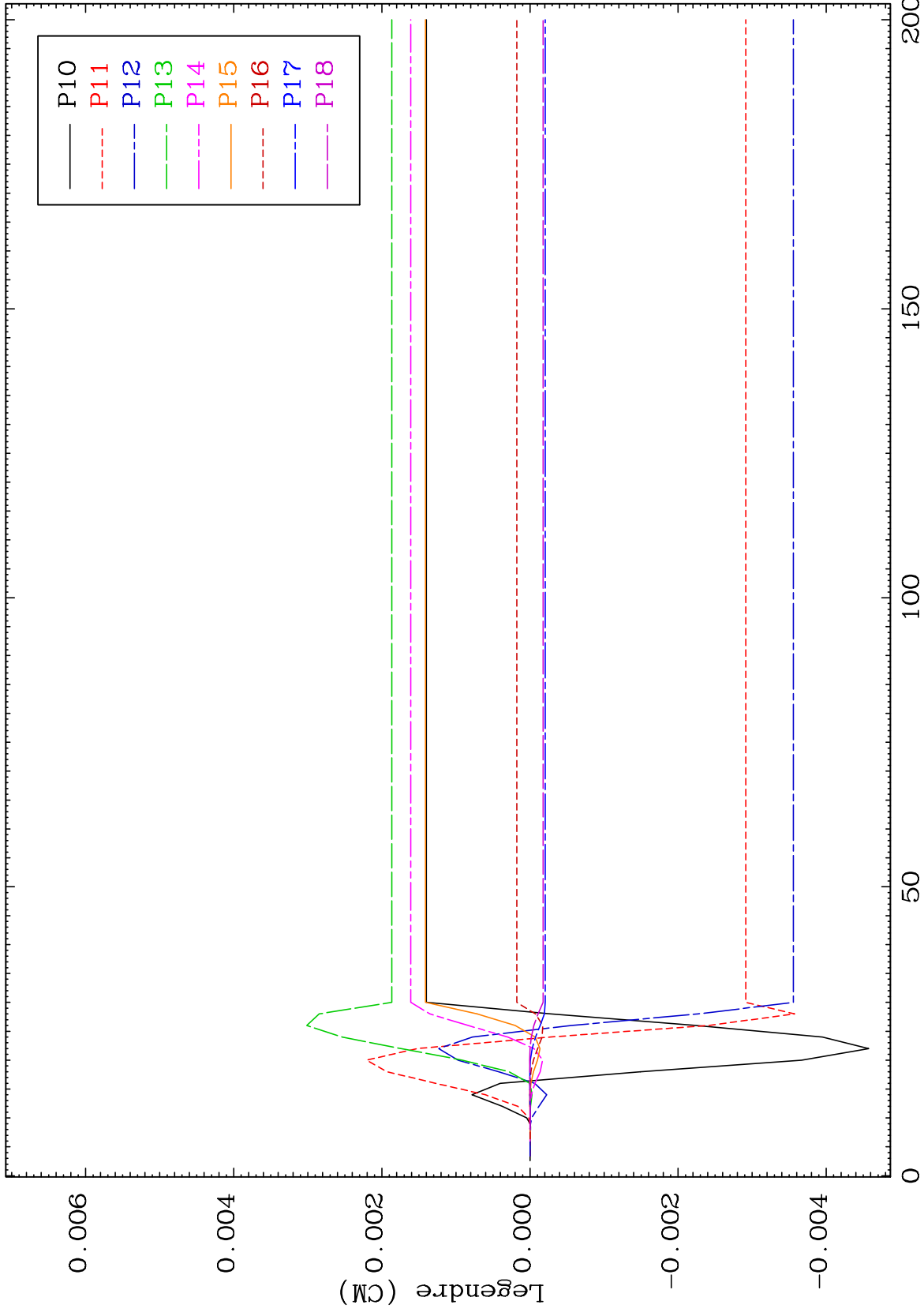
Incident Energy (MeV)

48-Cd-98

MAT 4801

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

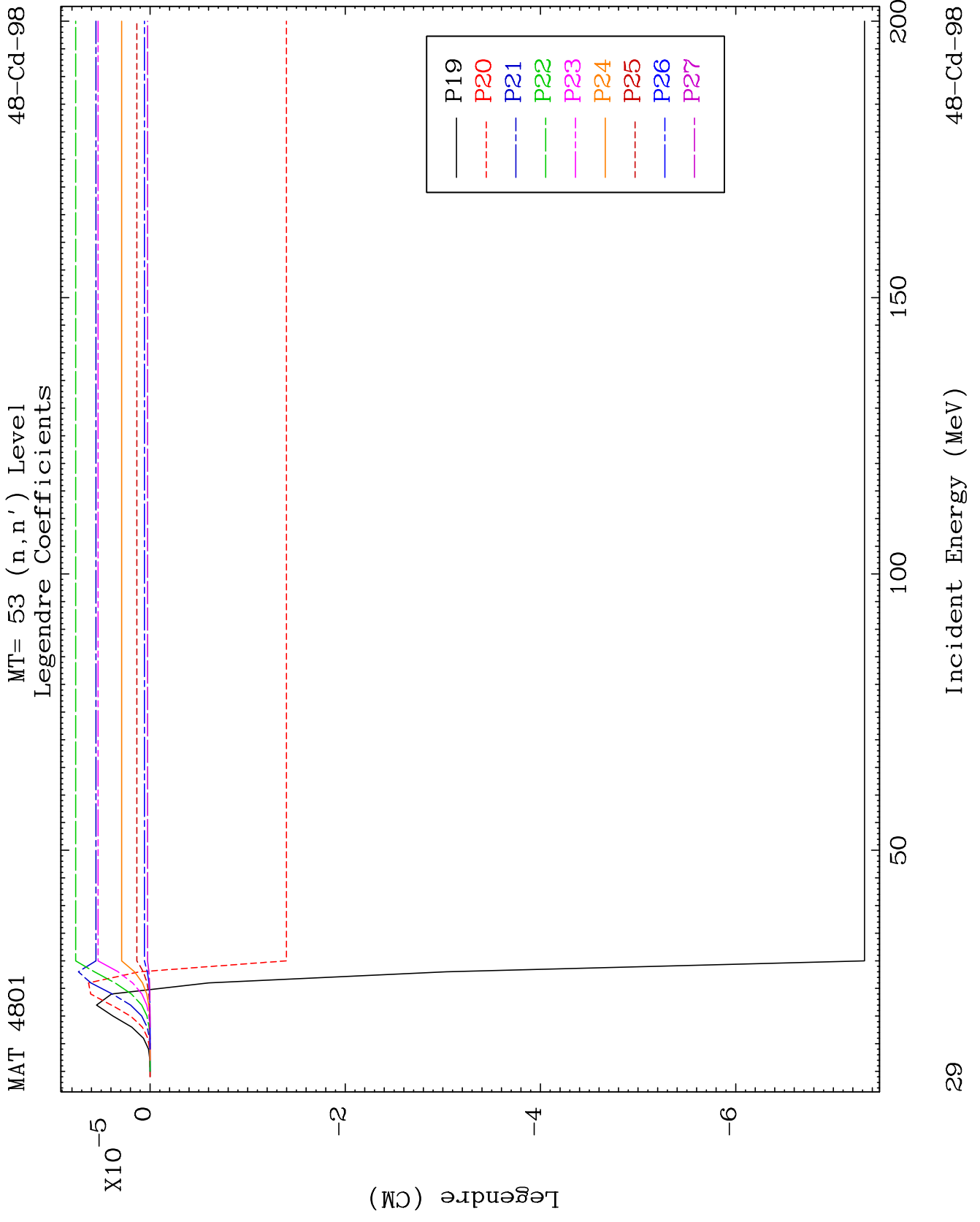
48-Cd-98

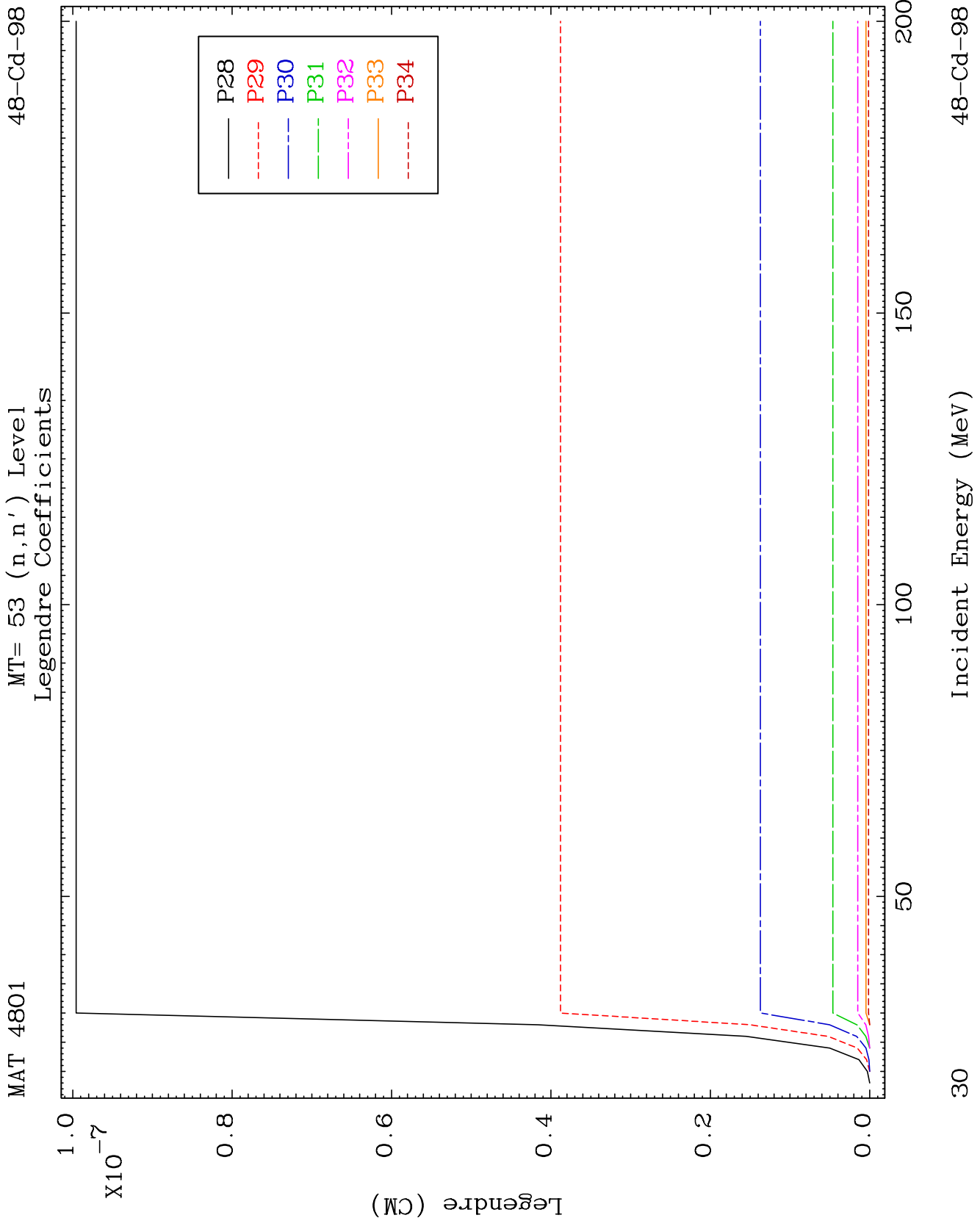


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Incident Energy (MeV)

48-Cd-98

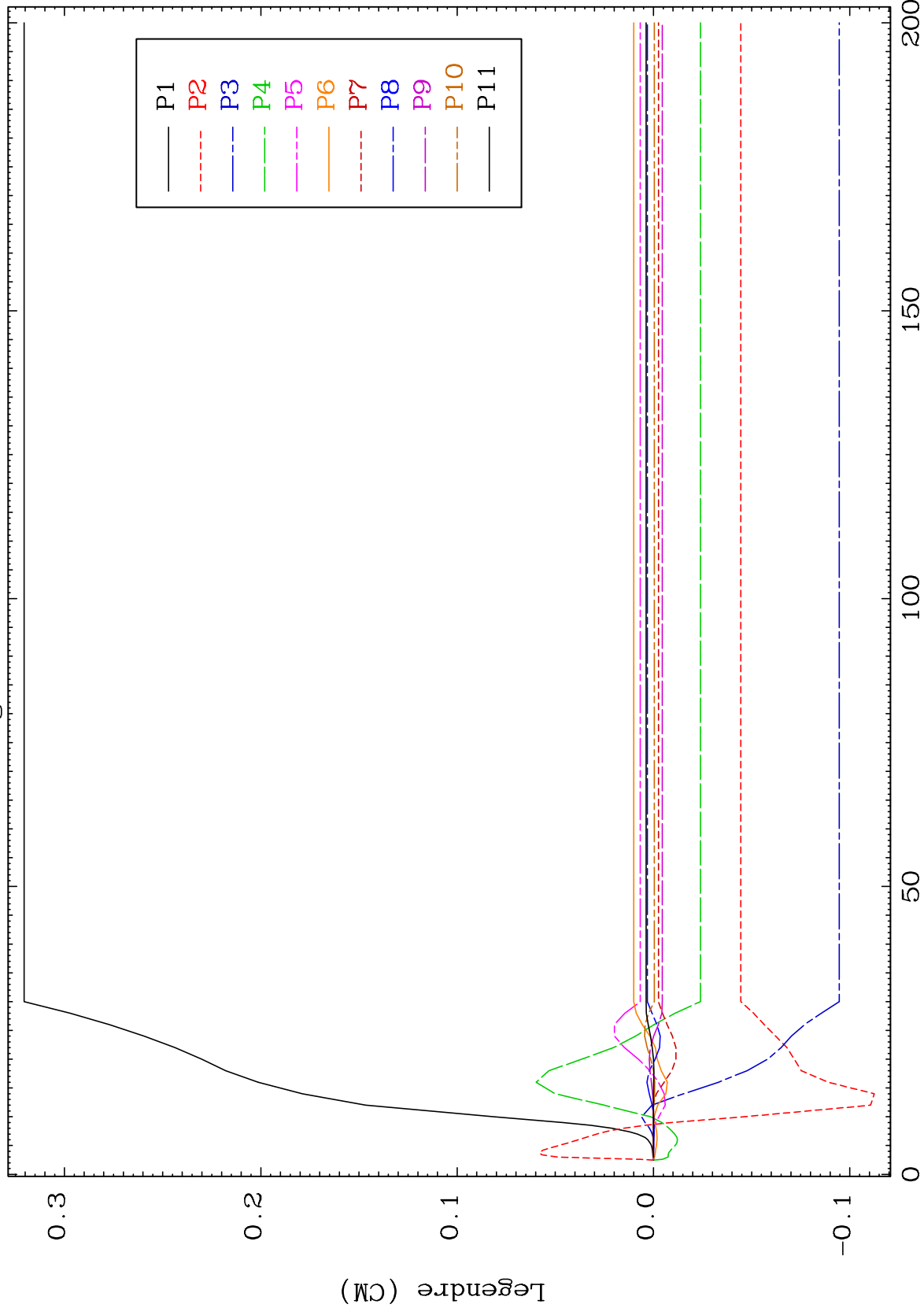




MAT 4801

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

48-Cd-98



31

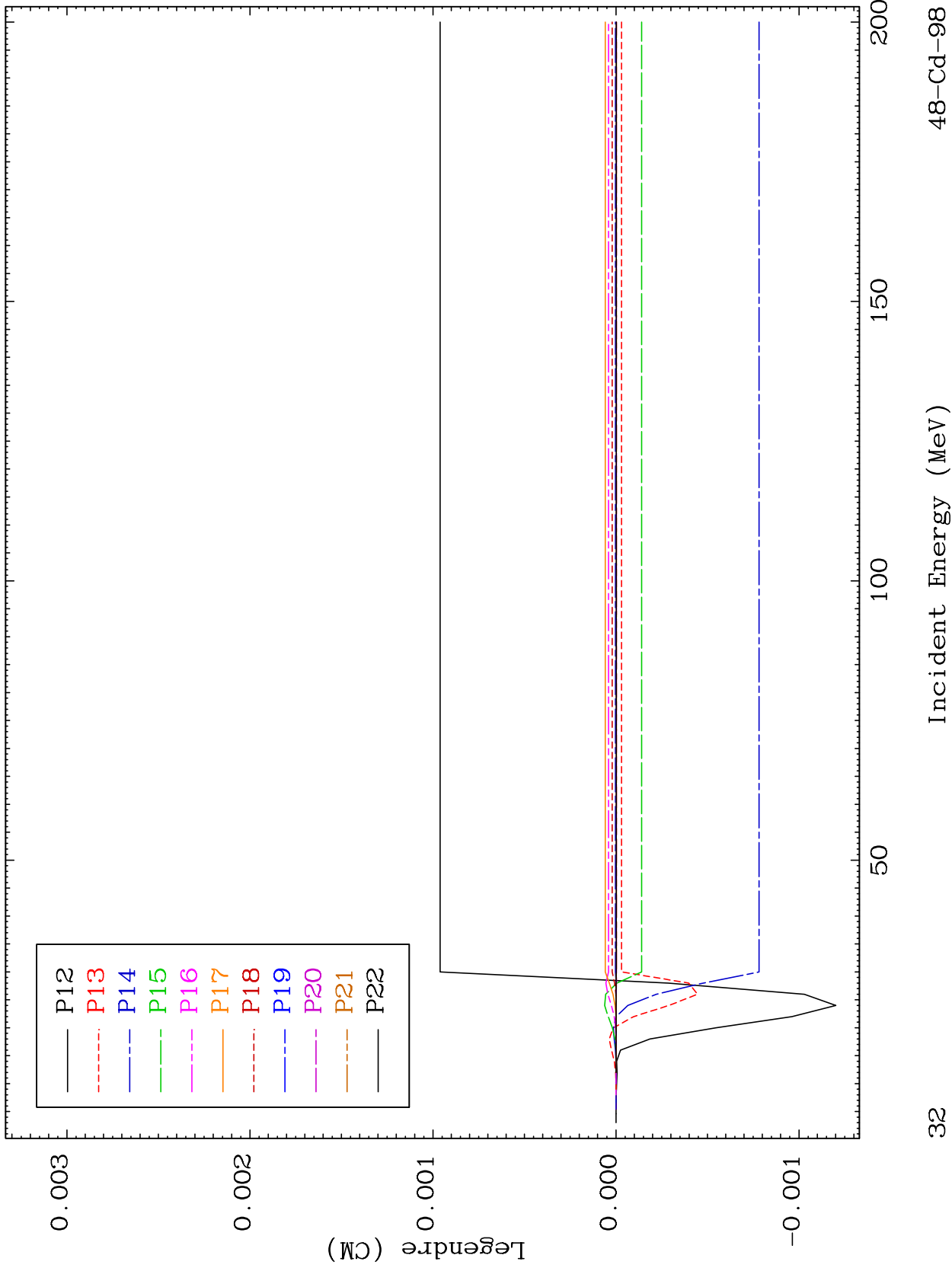
Incident Energy (MeV)

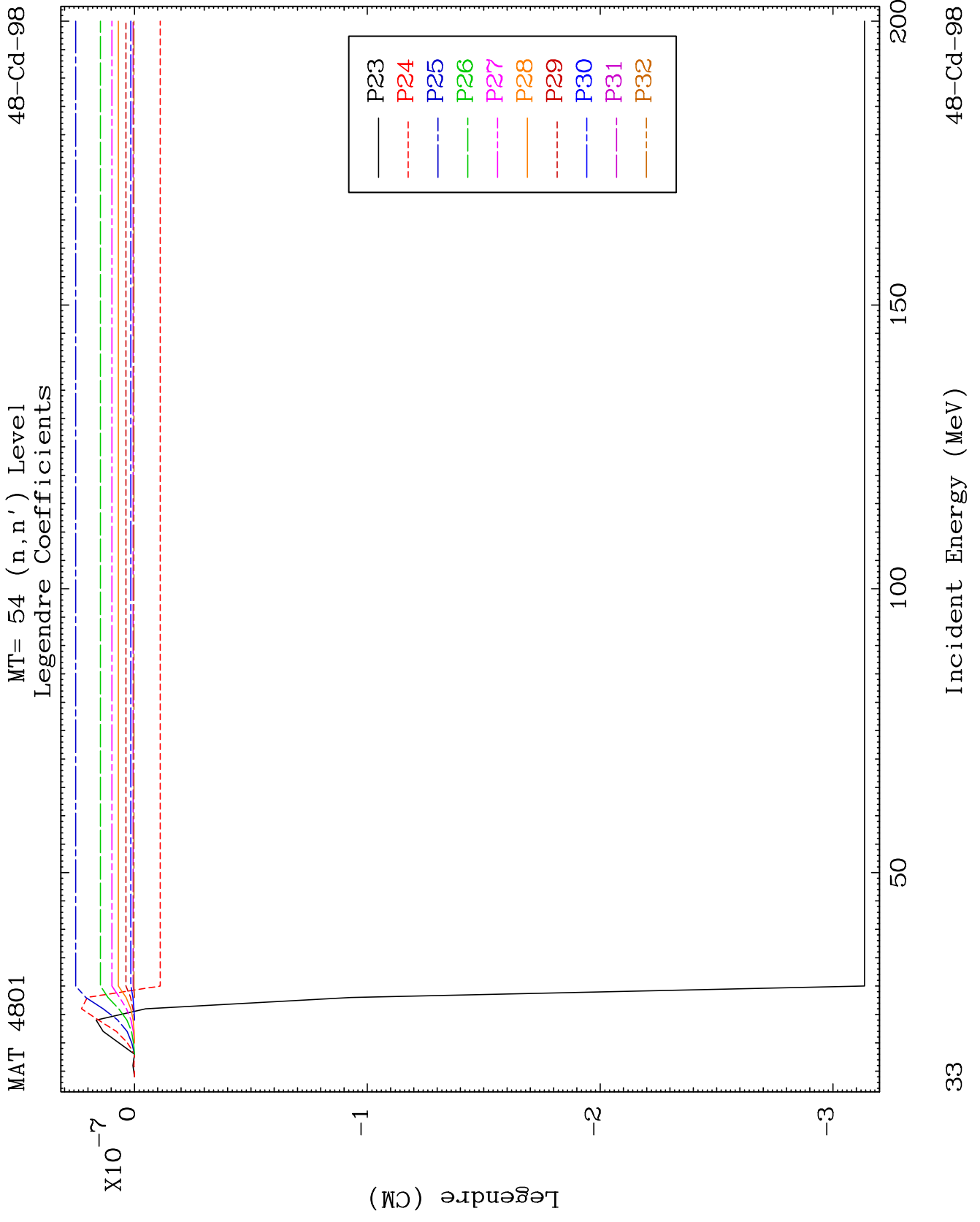
48-Cd-98

MAT 4801

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

48-Cd-98

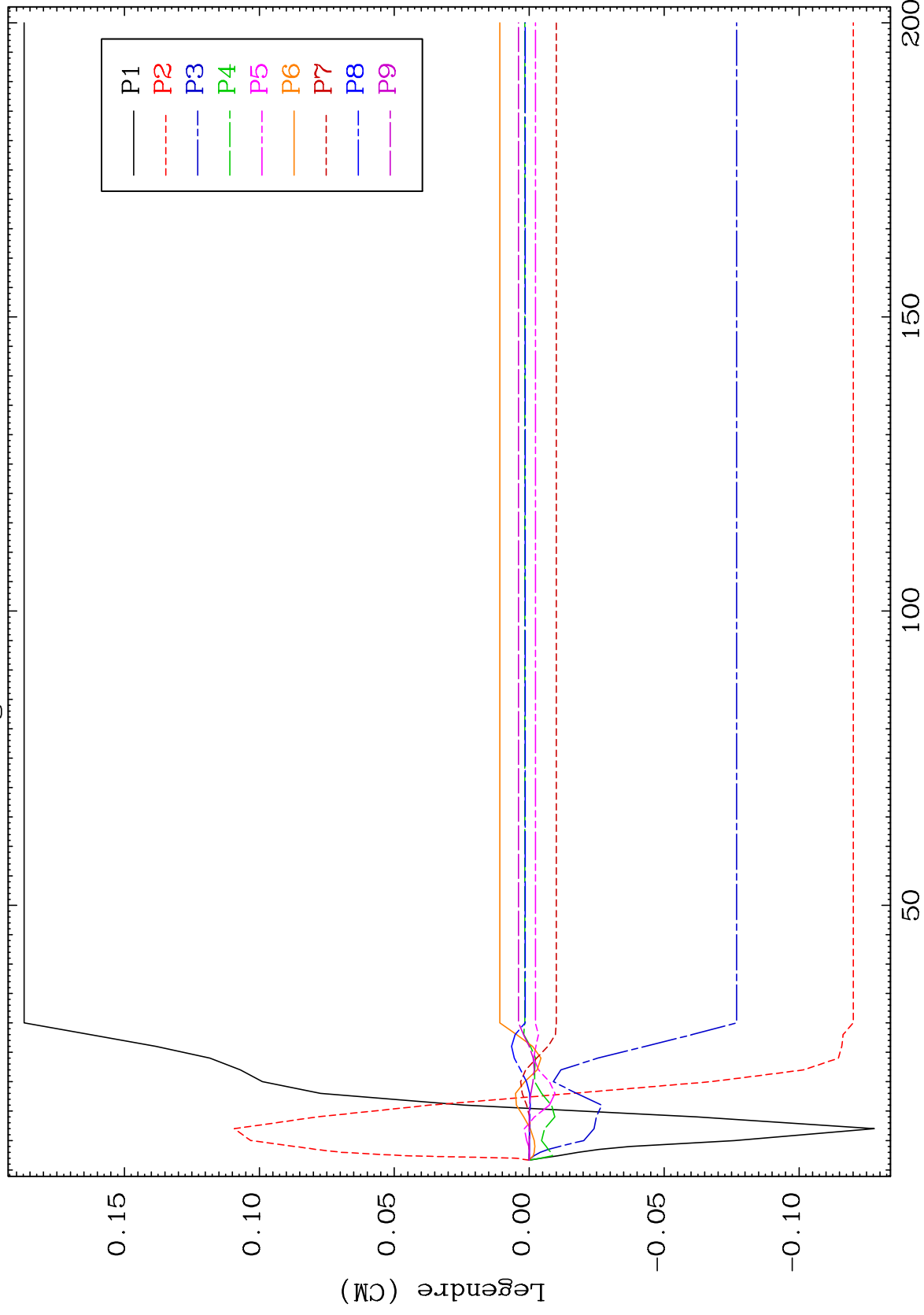




MAT 4801

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

48-Cd-98



34

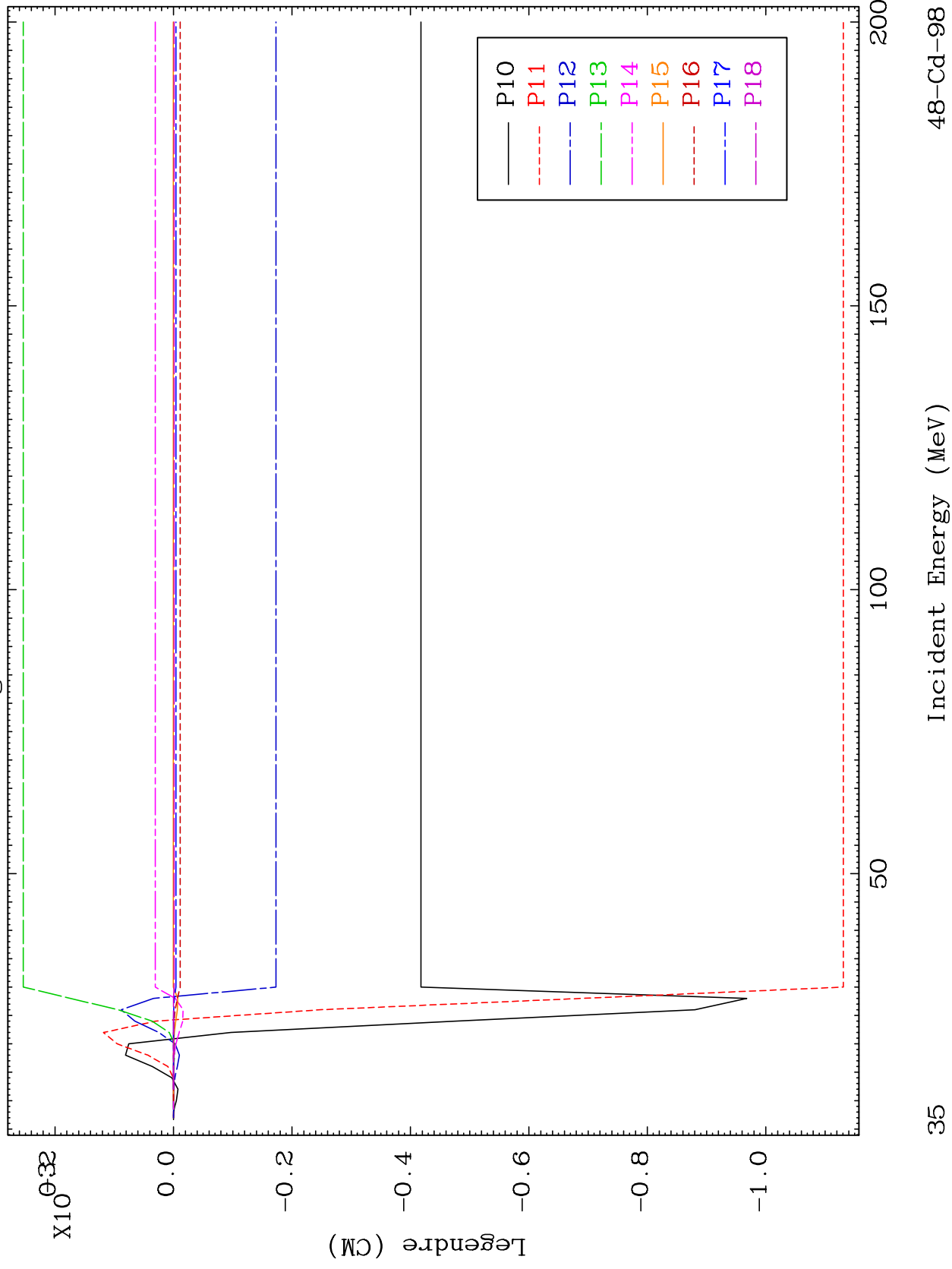
Incident Energy (MeV)

48-Cd-98

MAT 4801

48-Cd-98

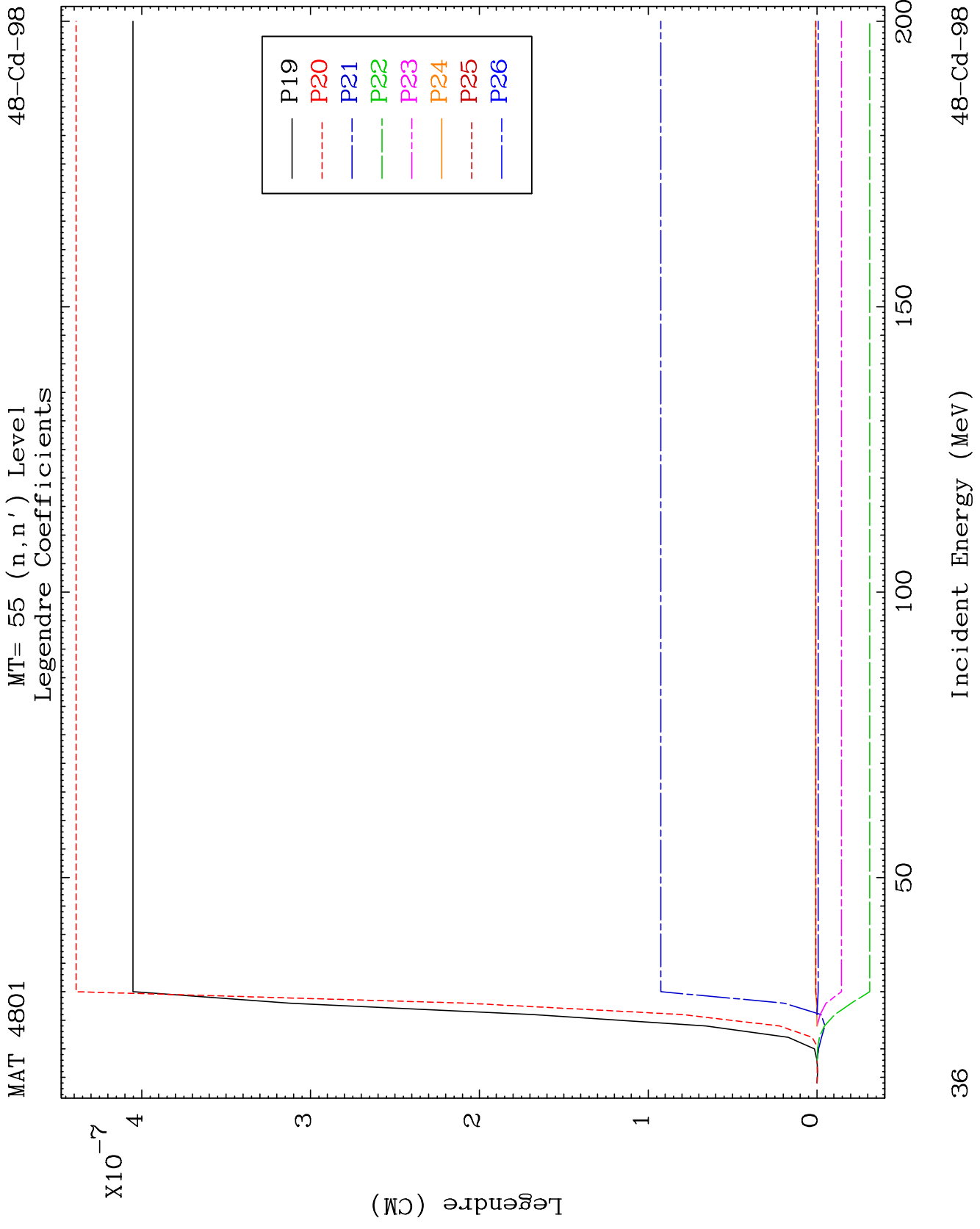
MT= 55 (n,n') Level
Legendre Coefficients

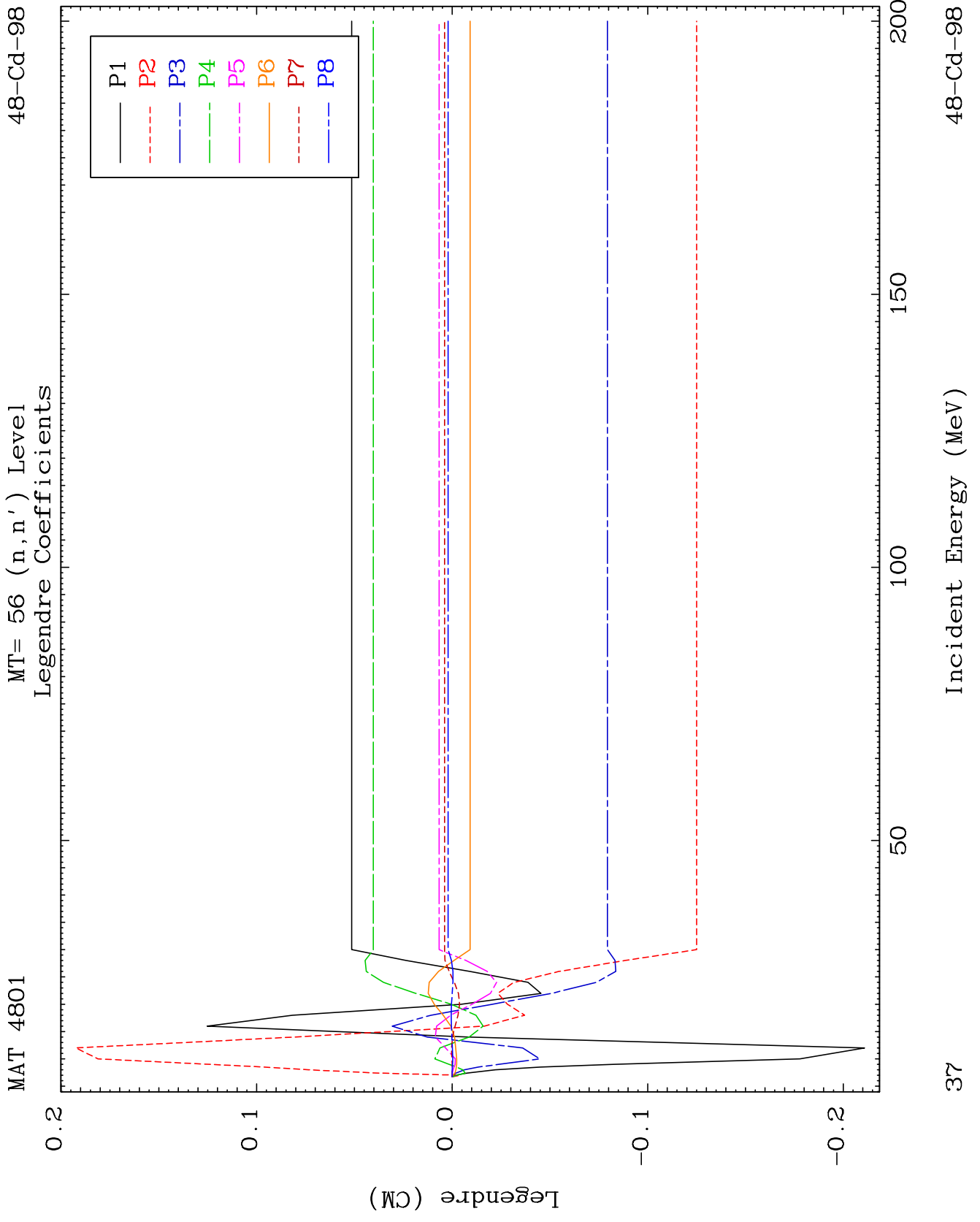


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Incident Energy (MeV)

48-Cd-98

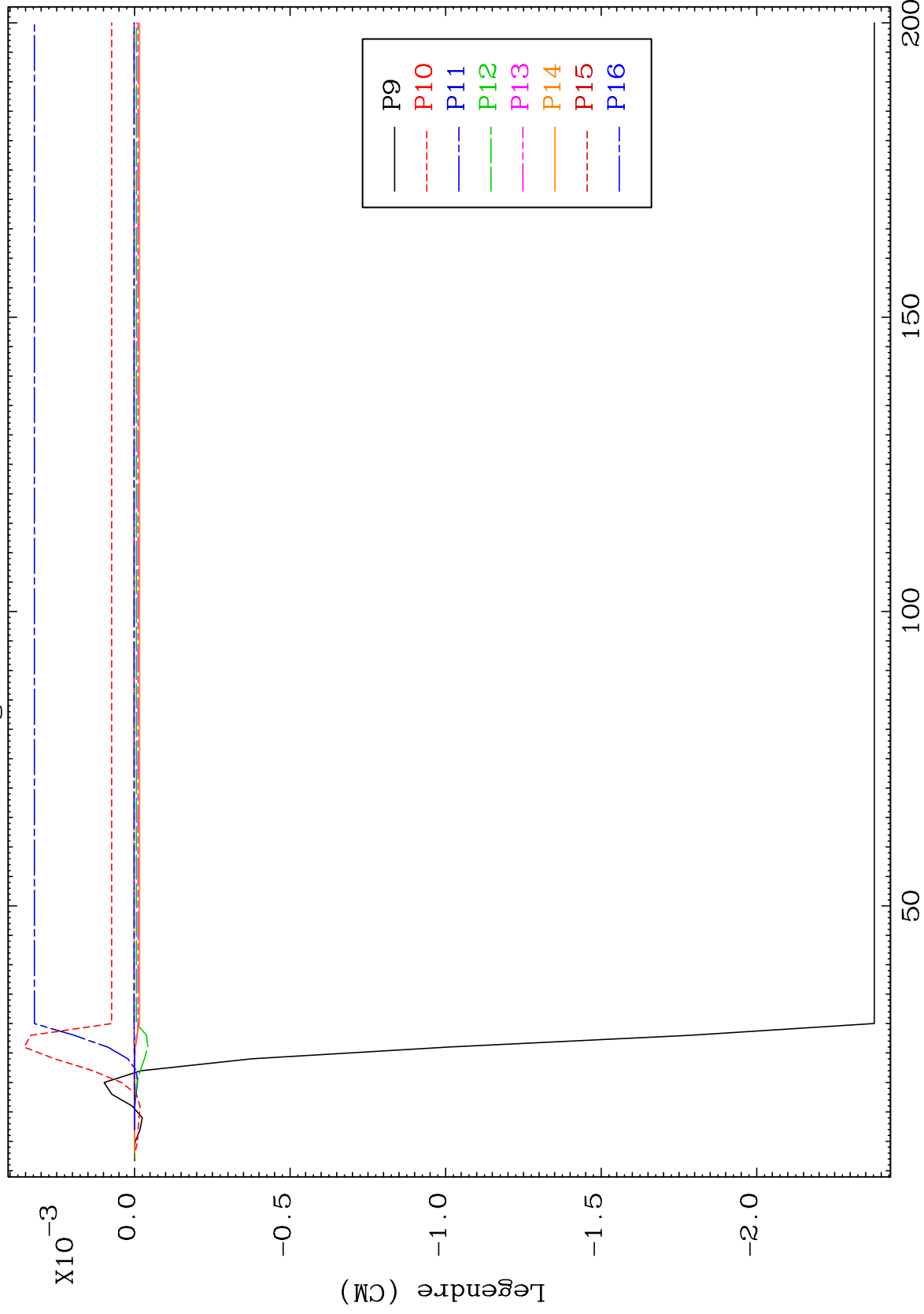




MAT 4801

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

48-Cd-98



38

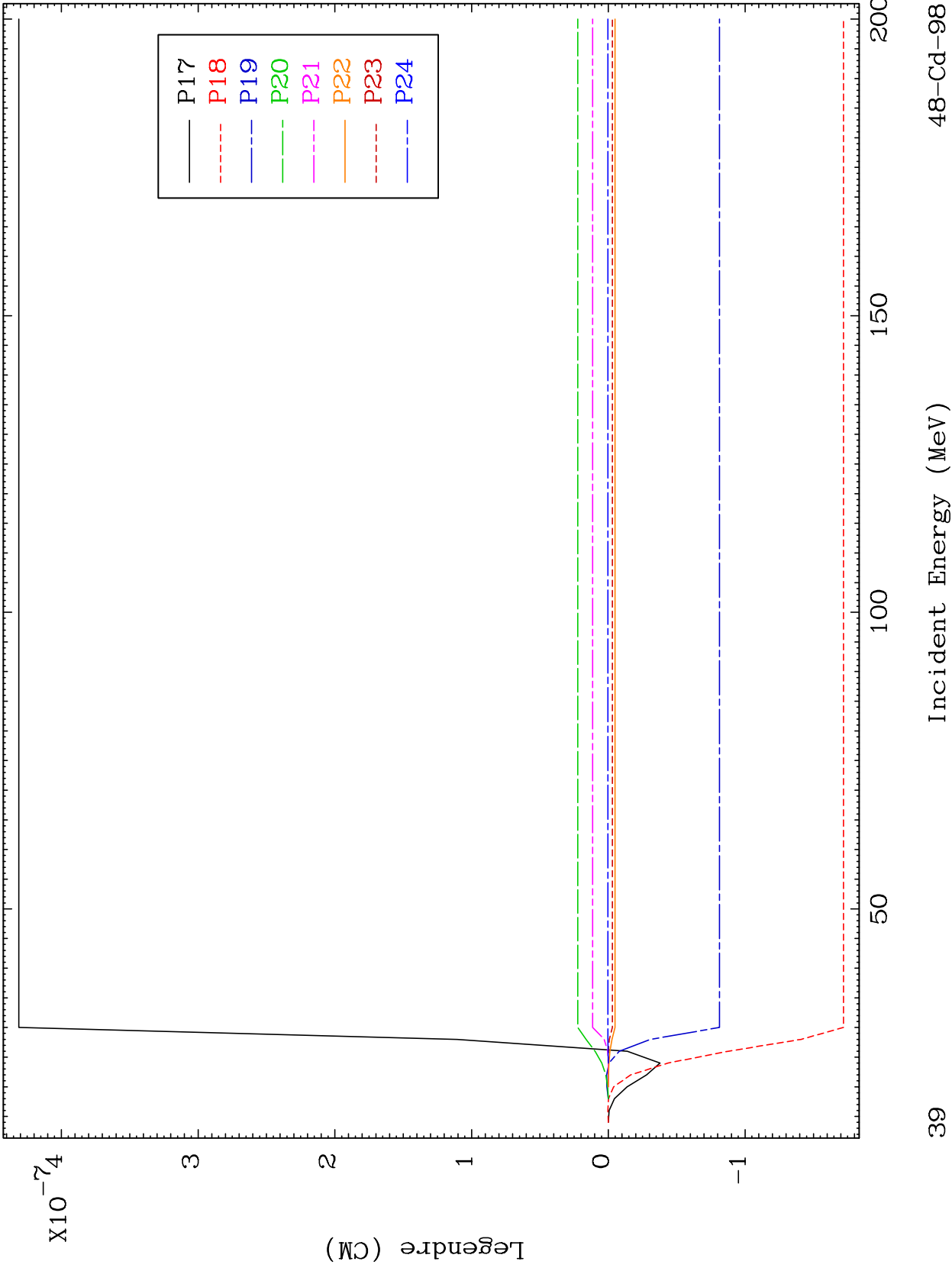
Incident Energy (MeV)

48-Cd-98

MAT 4801

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

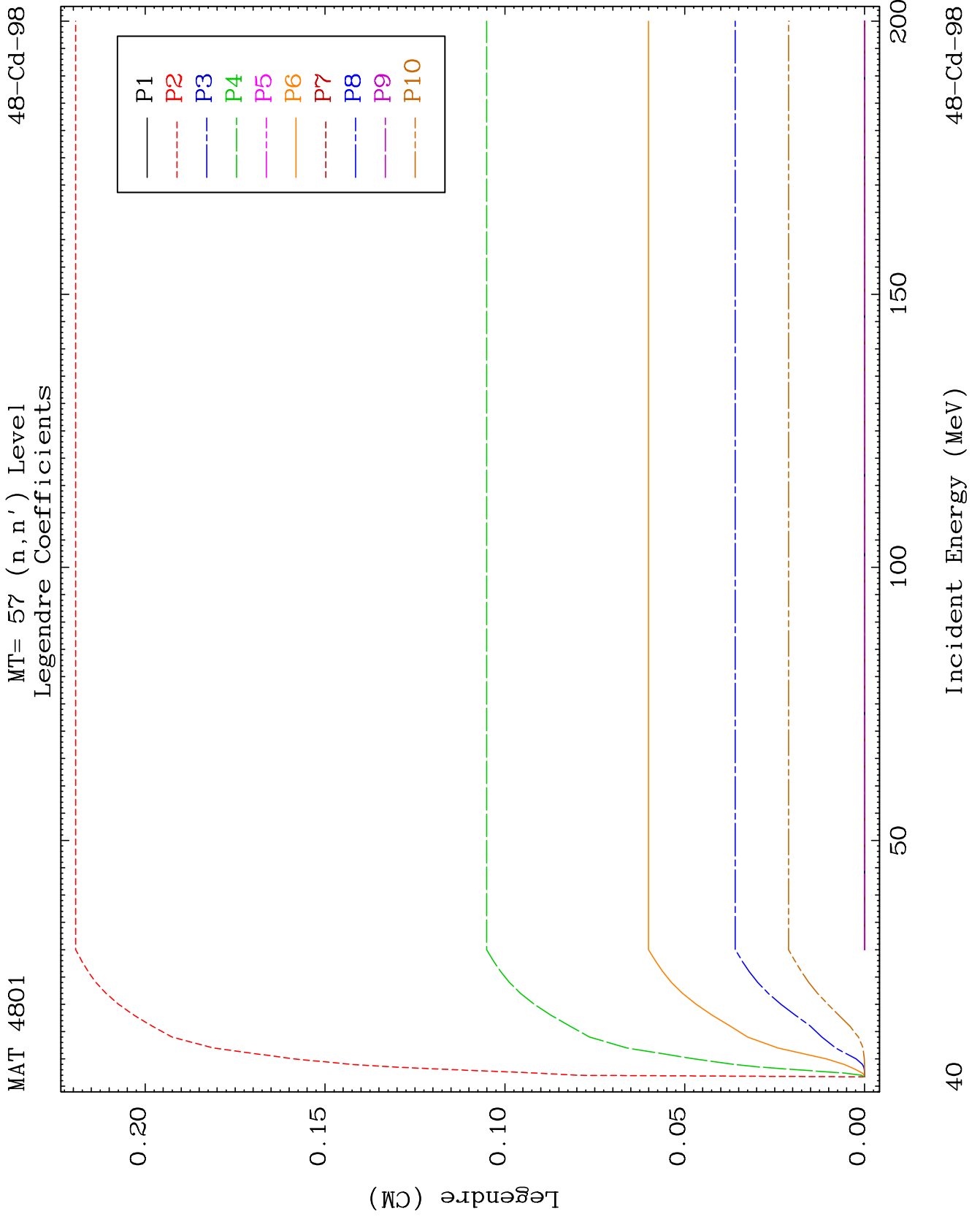
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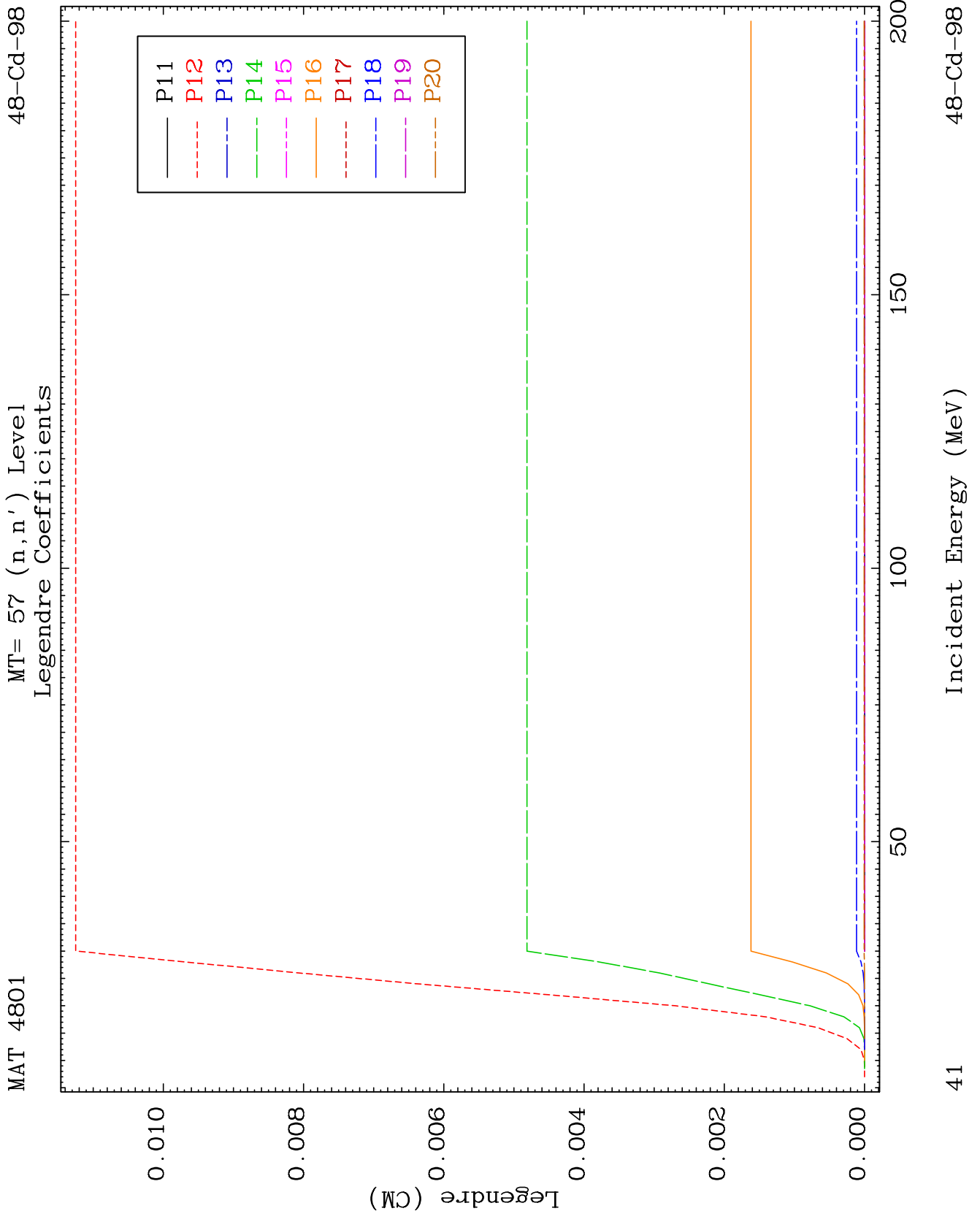


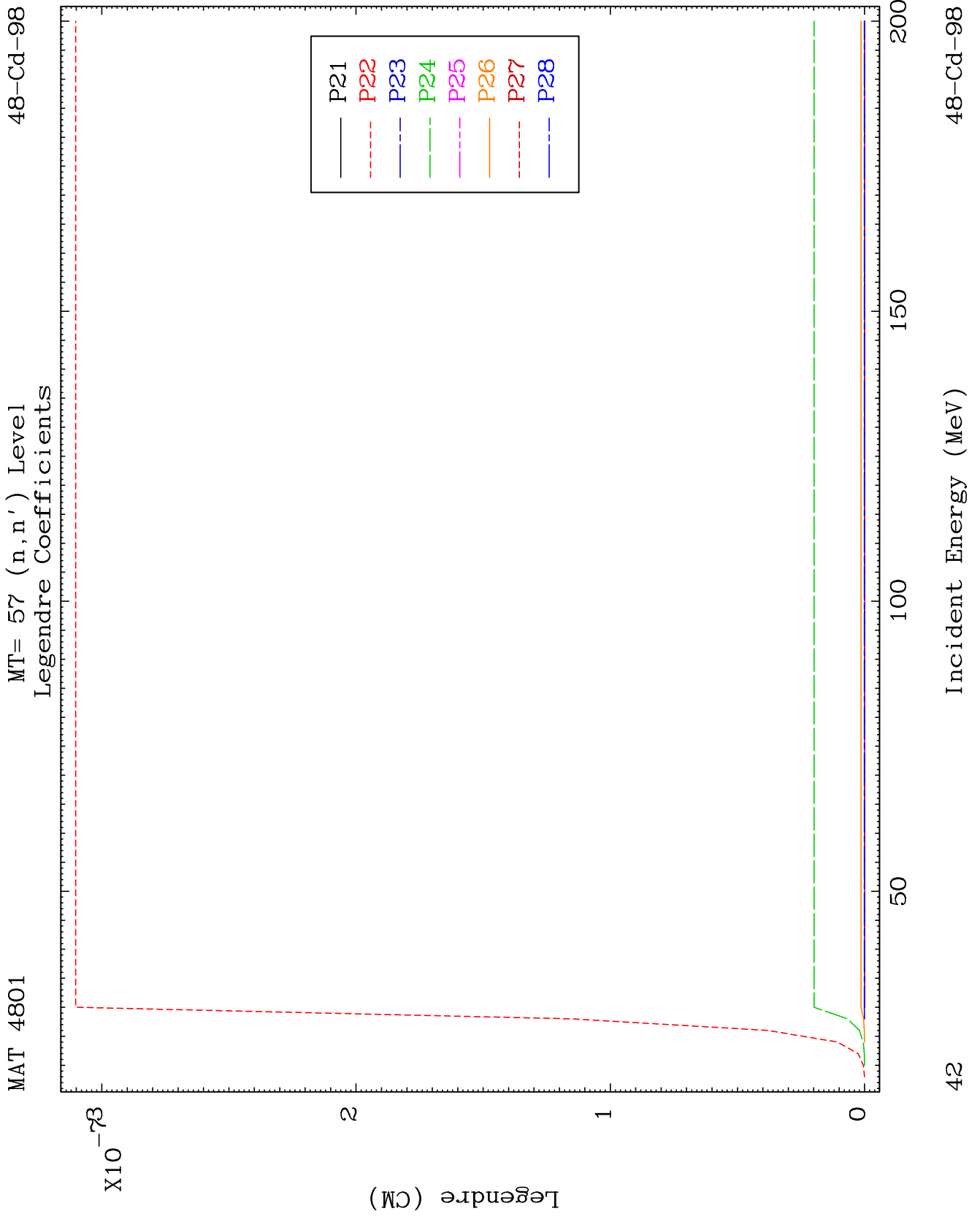
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Incident Energy (MeV)

48-Cd-98



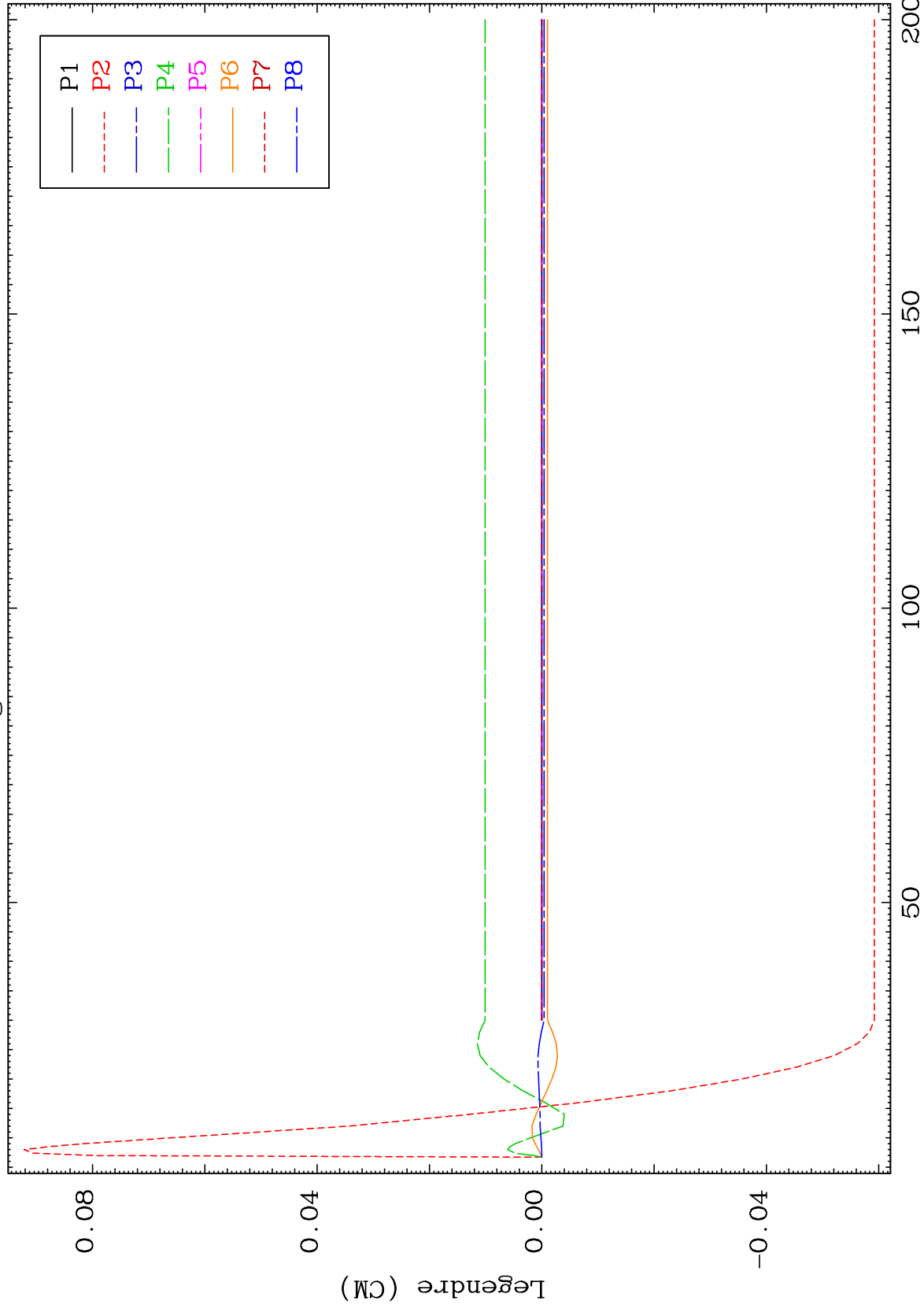




MAT 4801

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

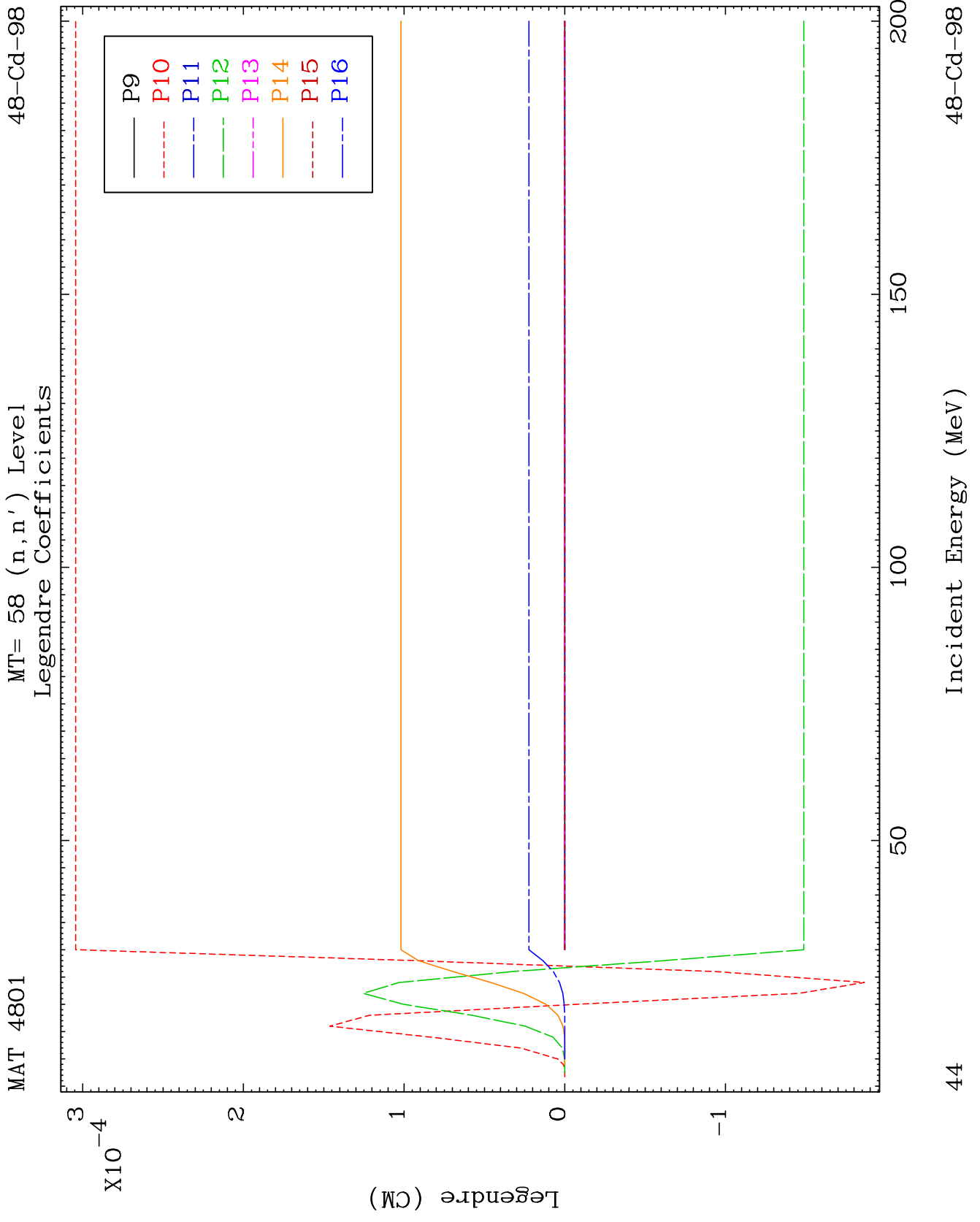
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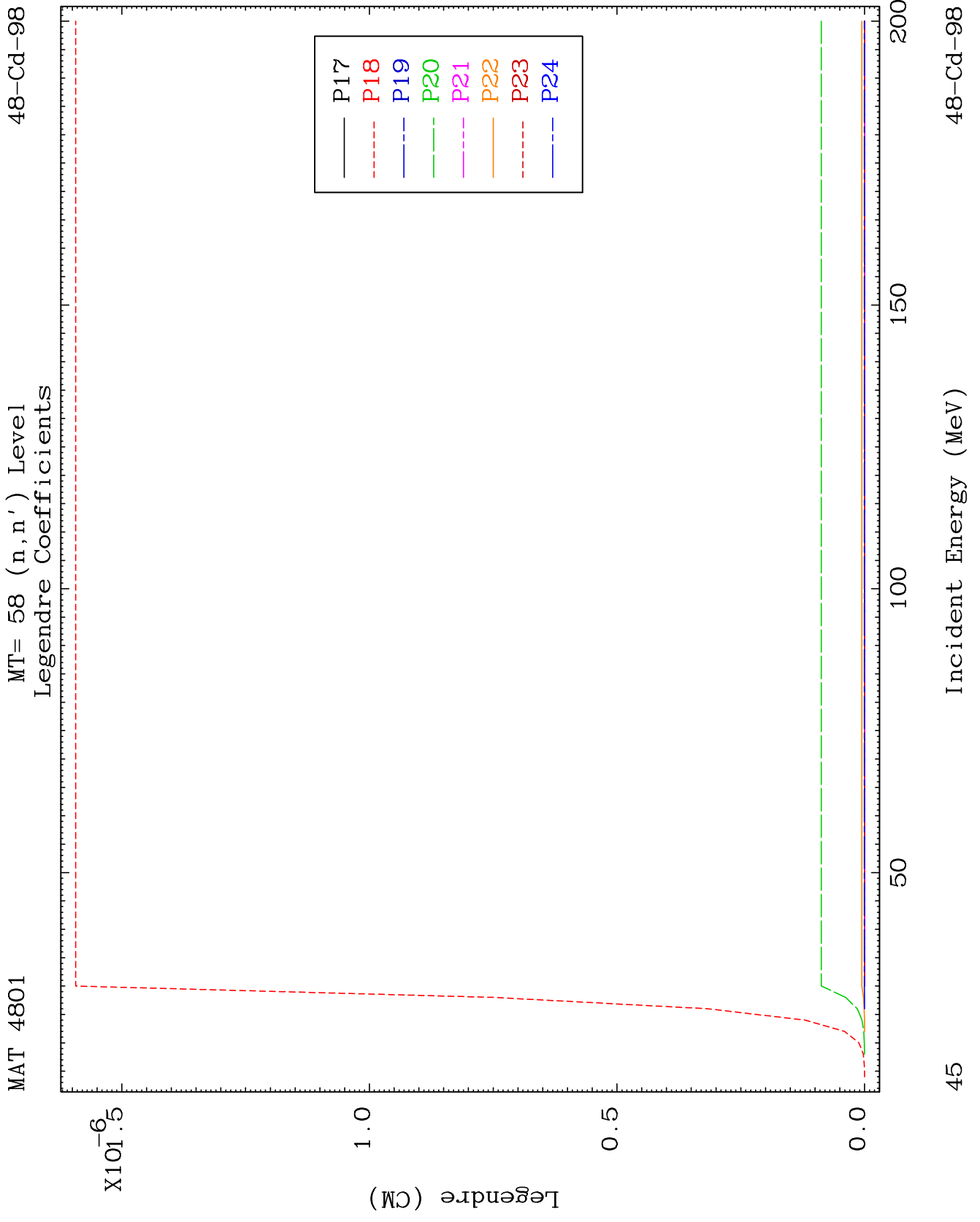


43

Incident Energy (MeV)

48-Cd-98

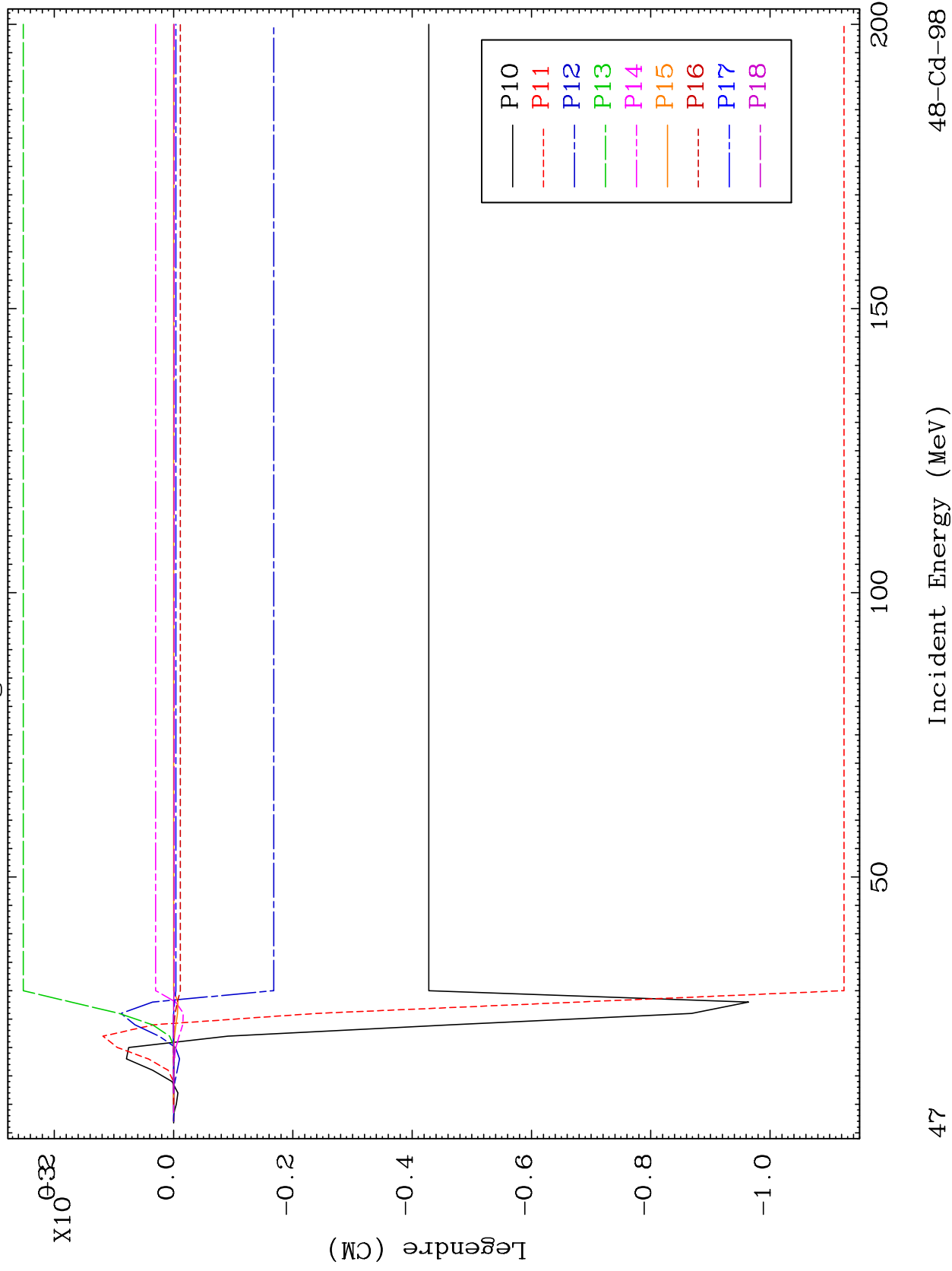




MAT 4801

48-Cd-98

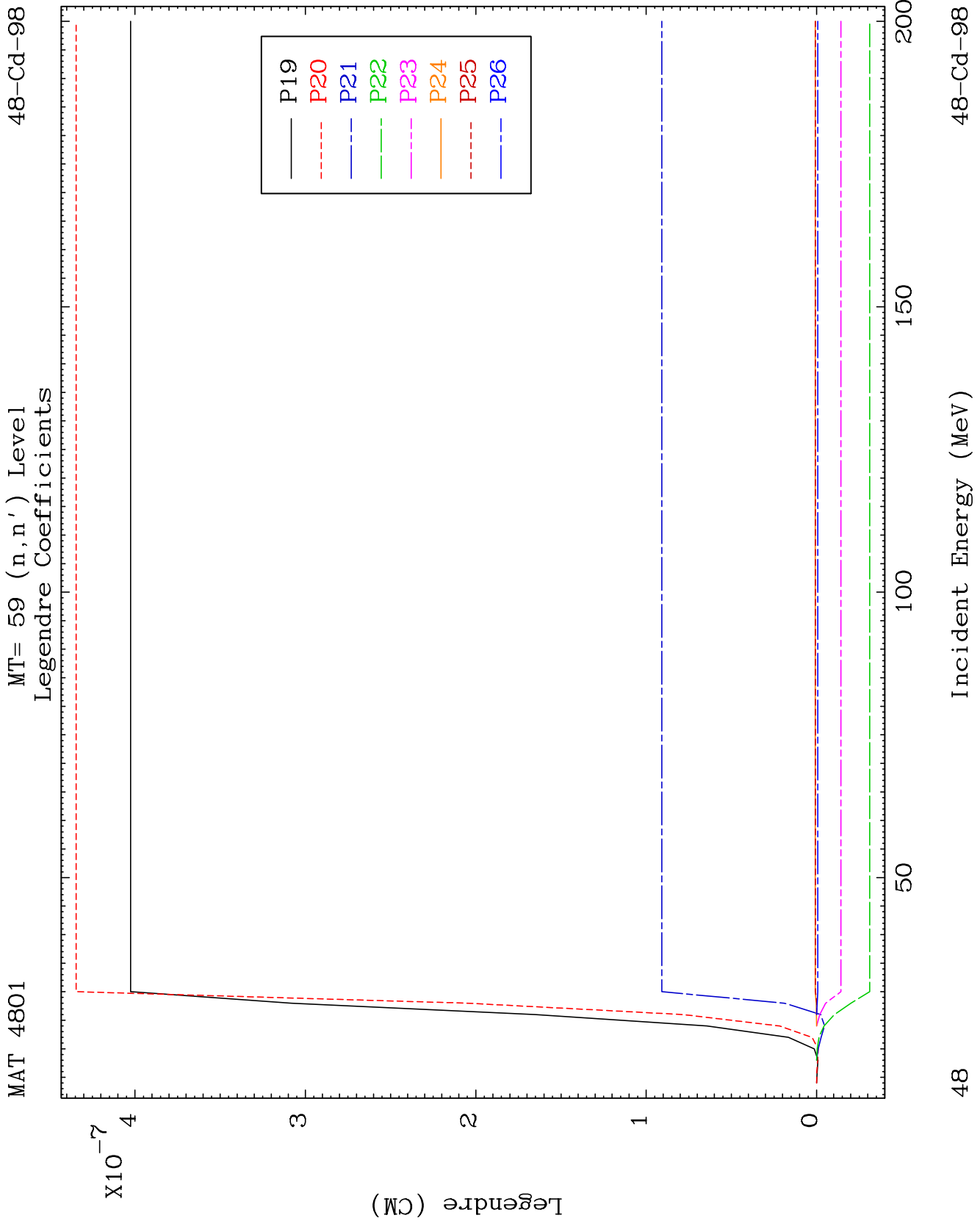
MT= 59 (n,n') Level
Legendre Coefficients

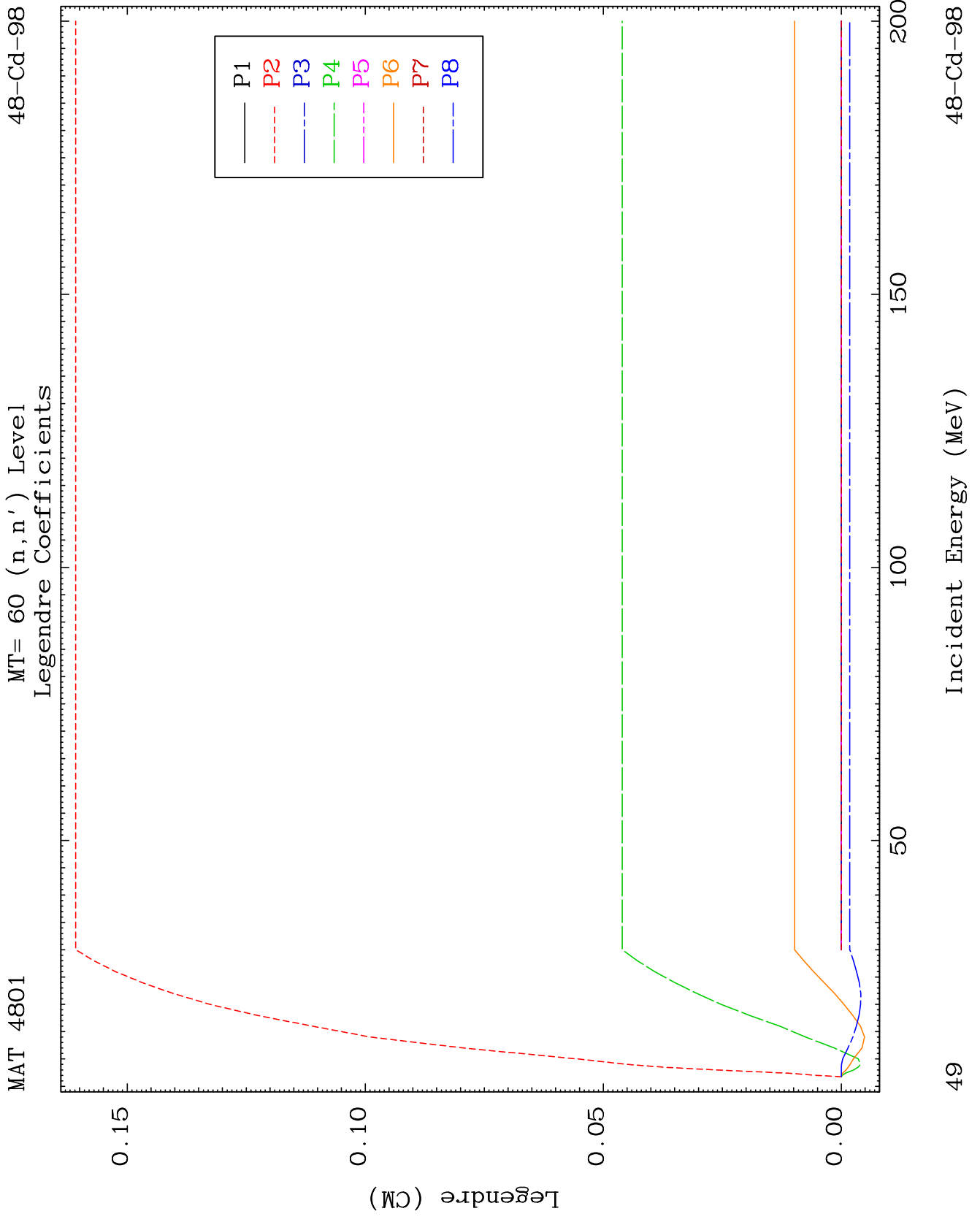


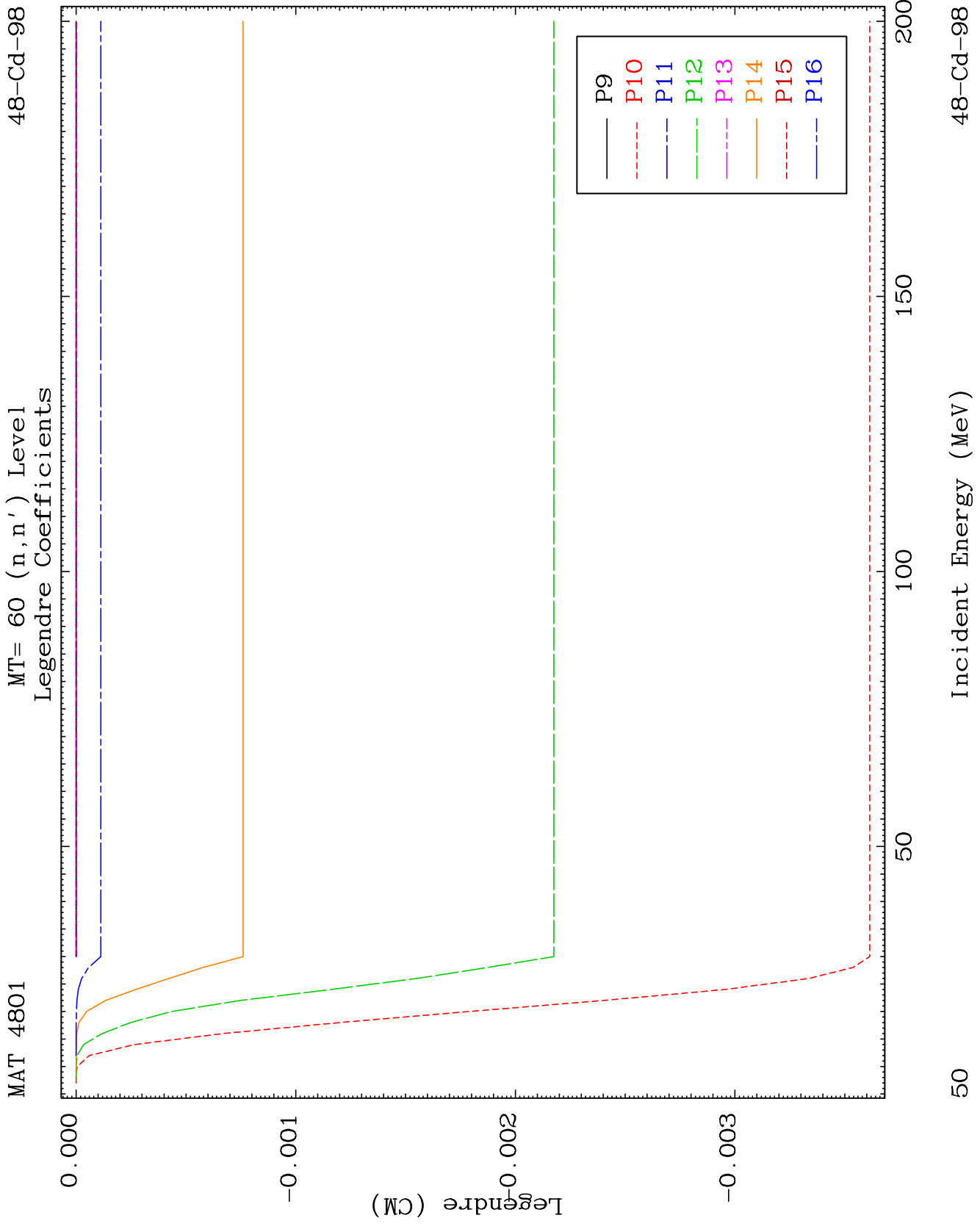
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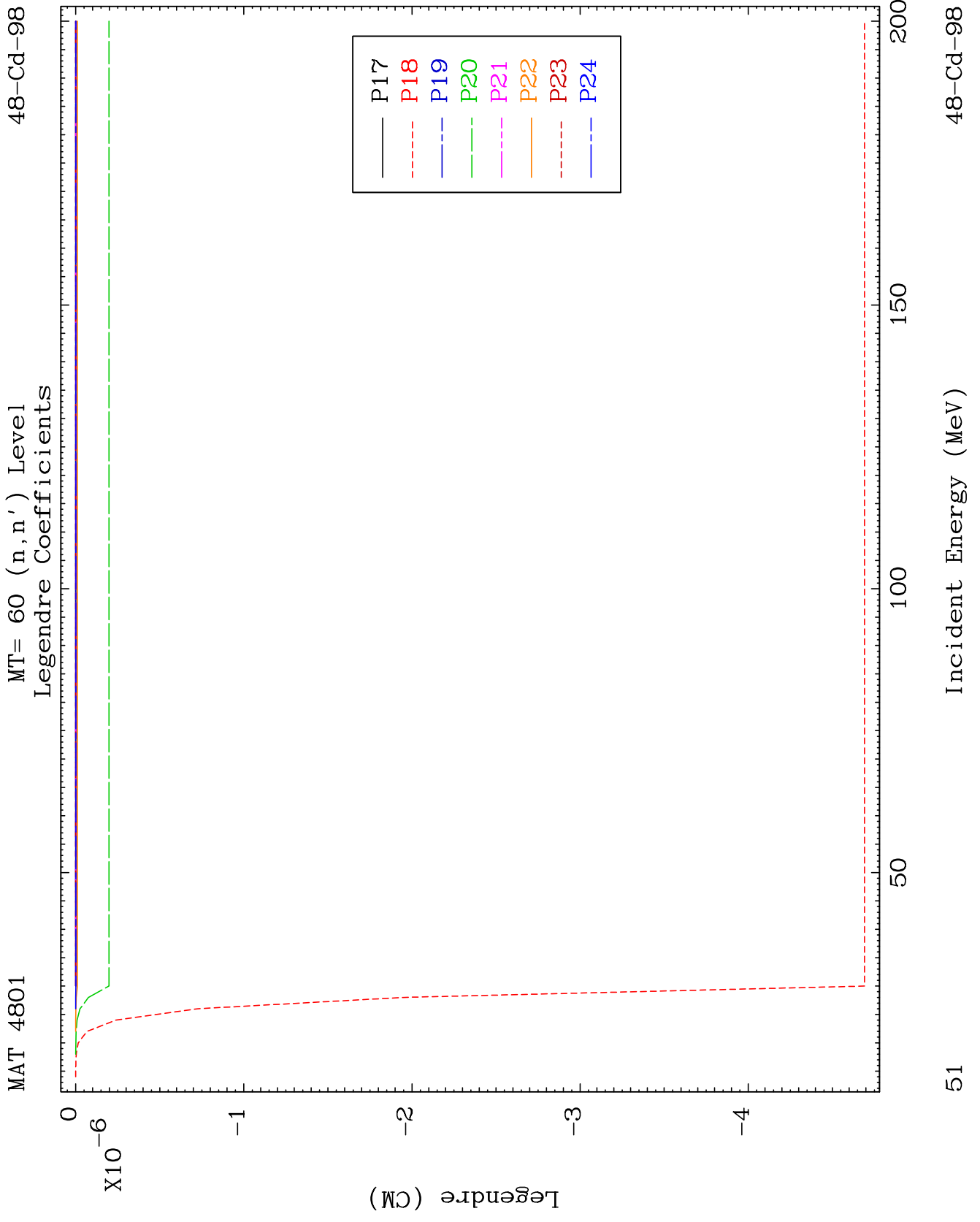
Incident Energy (MeV)

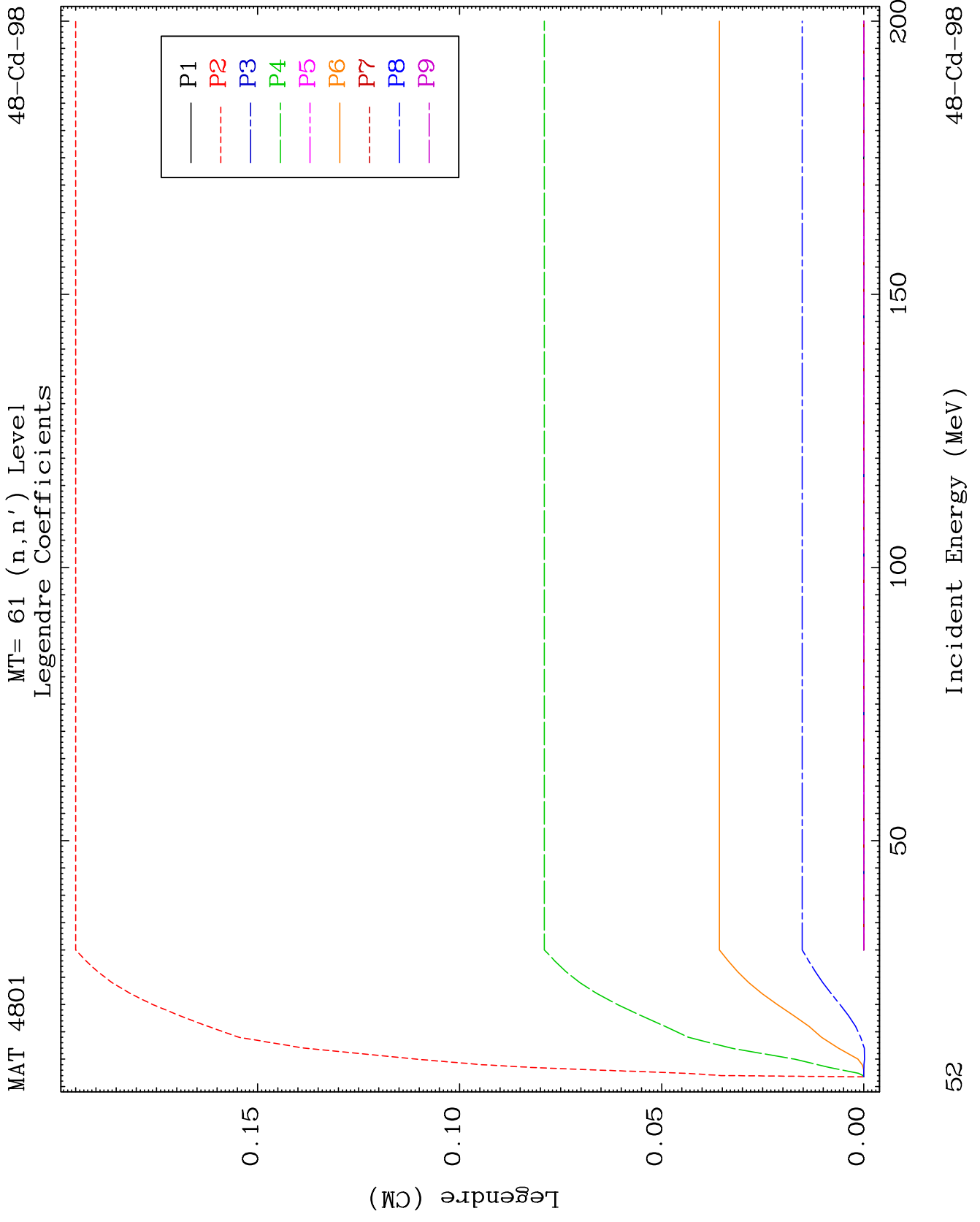
48-Cd-98







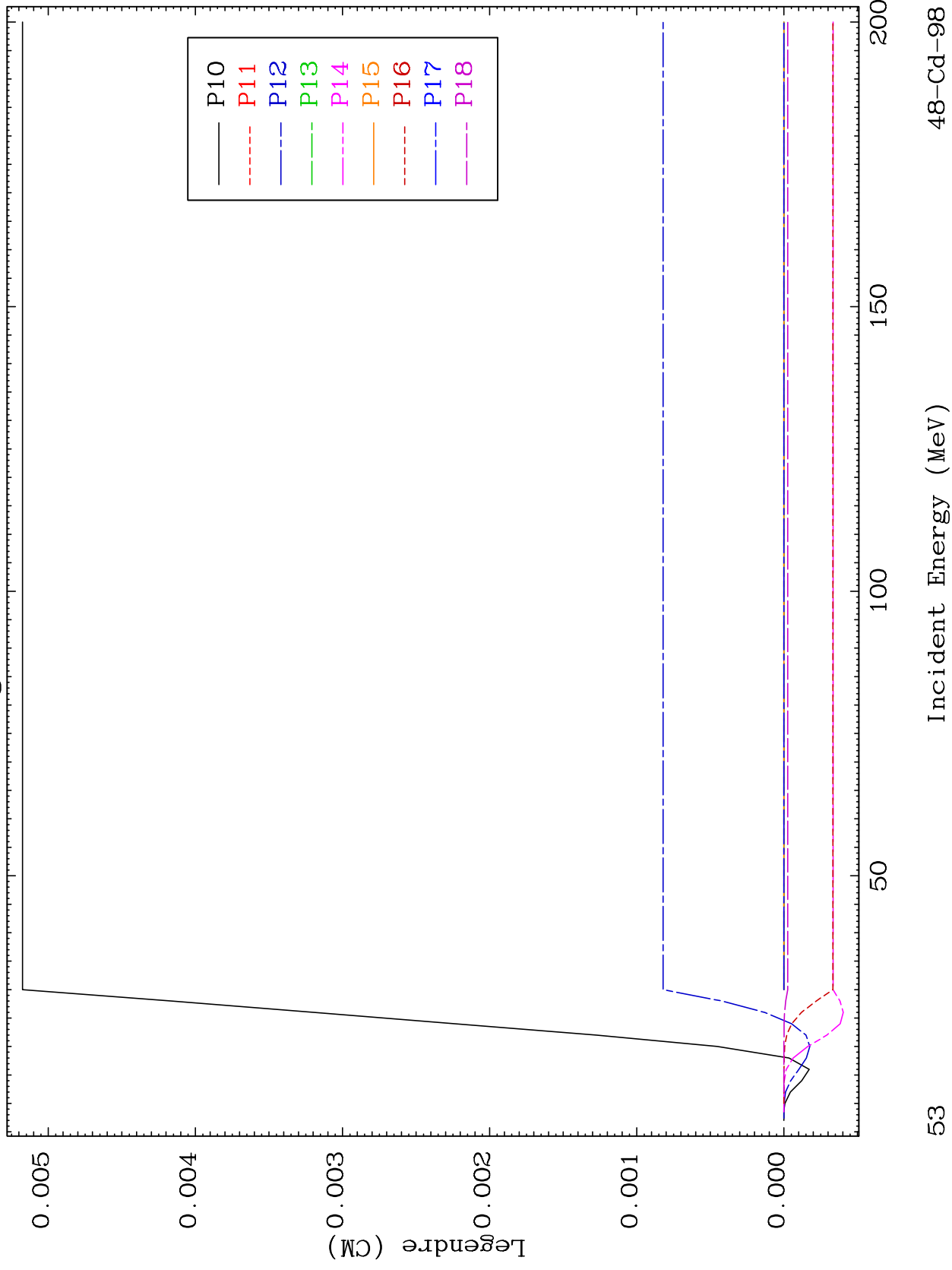




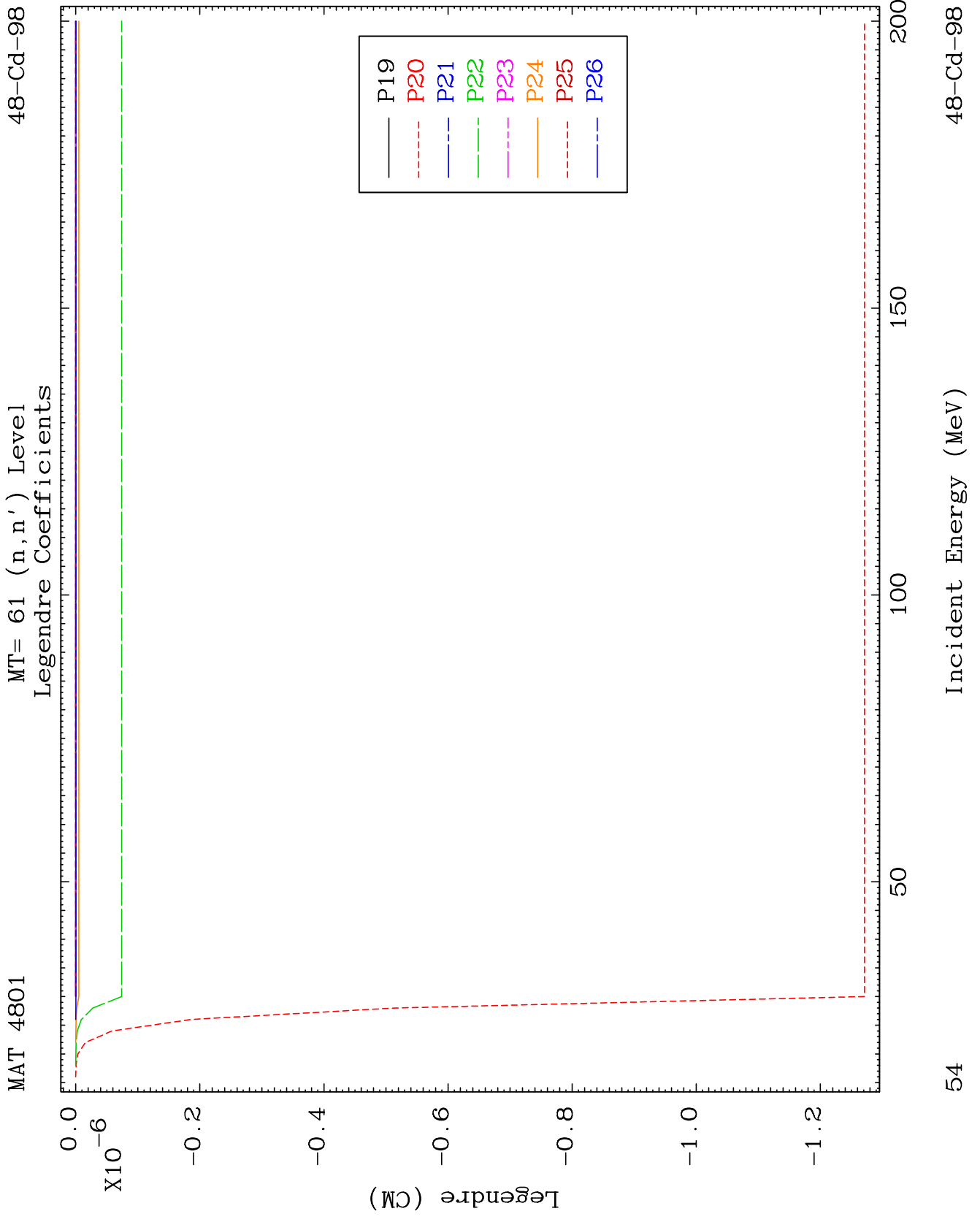
MAT 4801

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

48-Cd-98



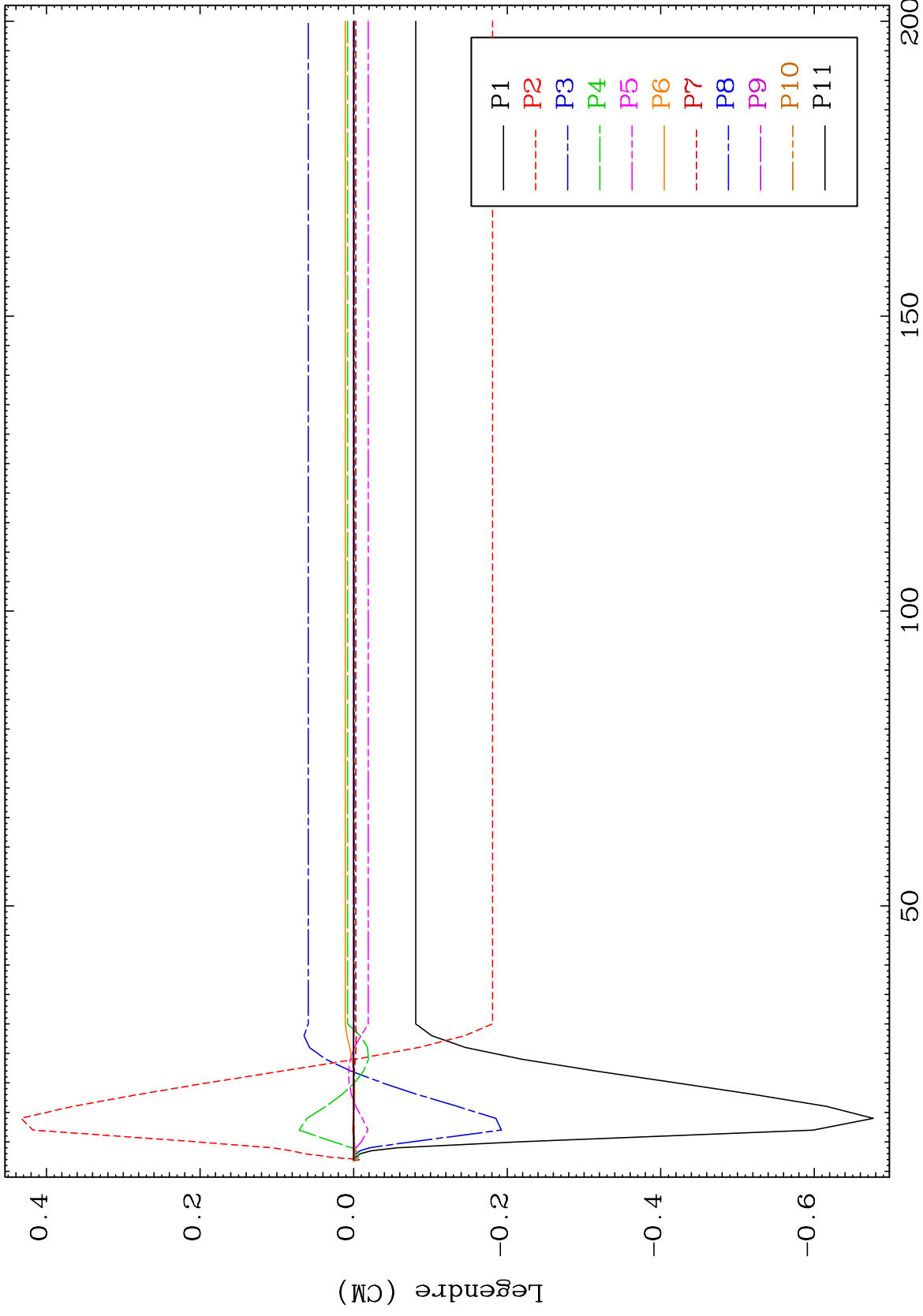
53



MAT 4801

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

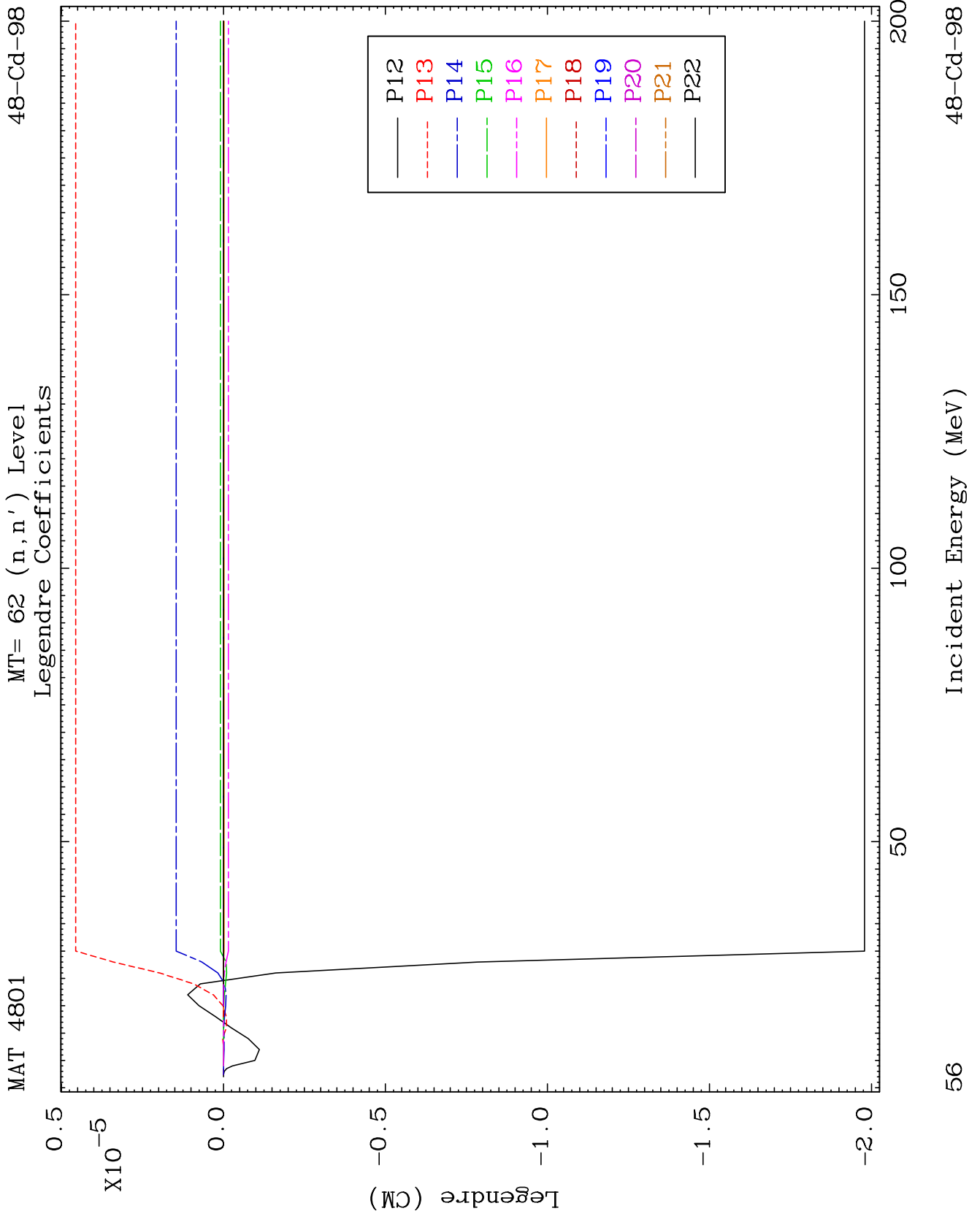
48-Cd-98

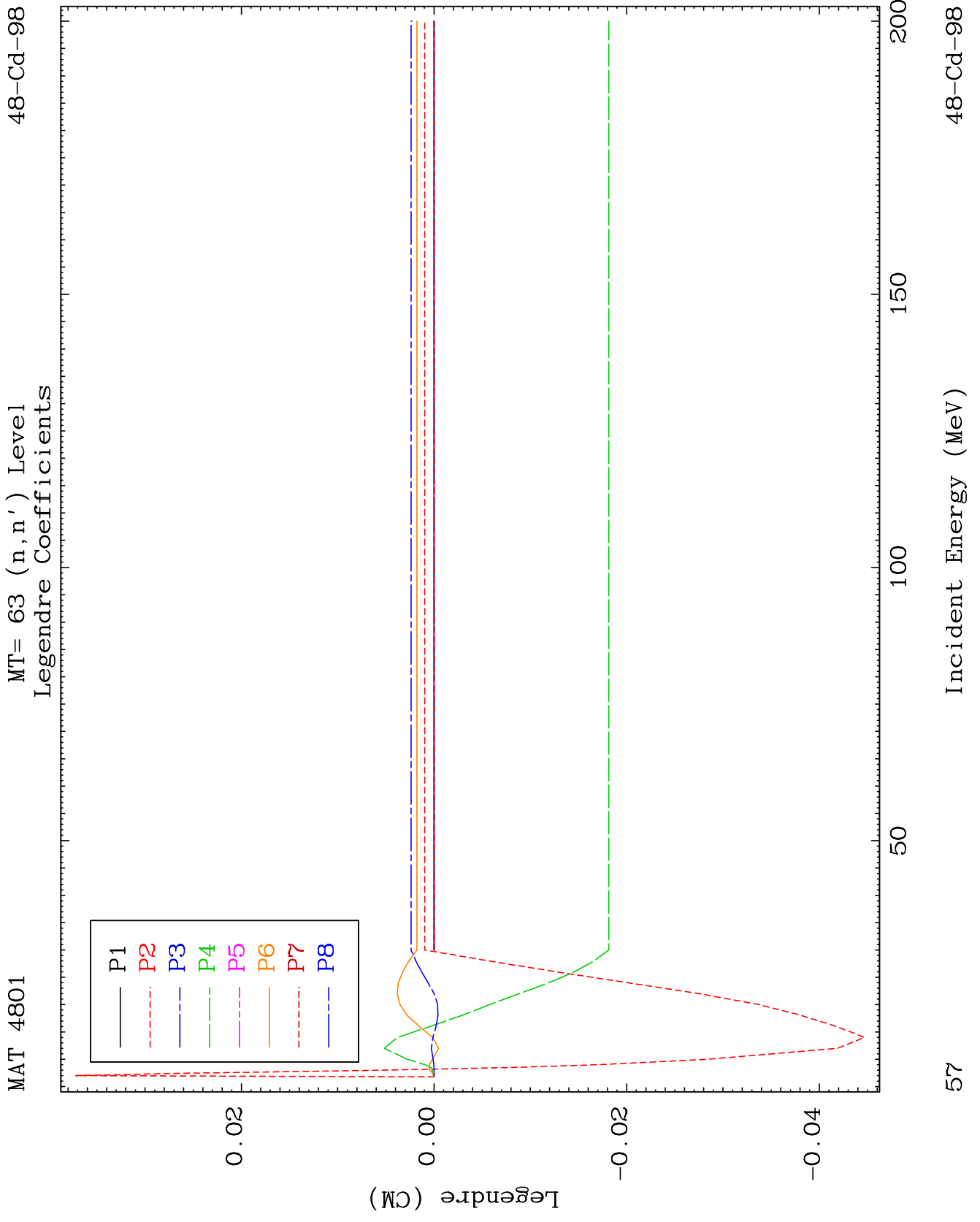


55

Incident Energy (MeV)

48-Cd-98

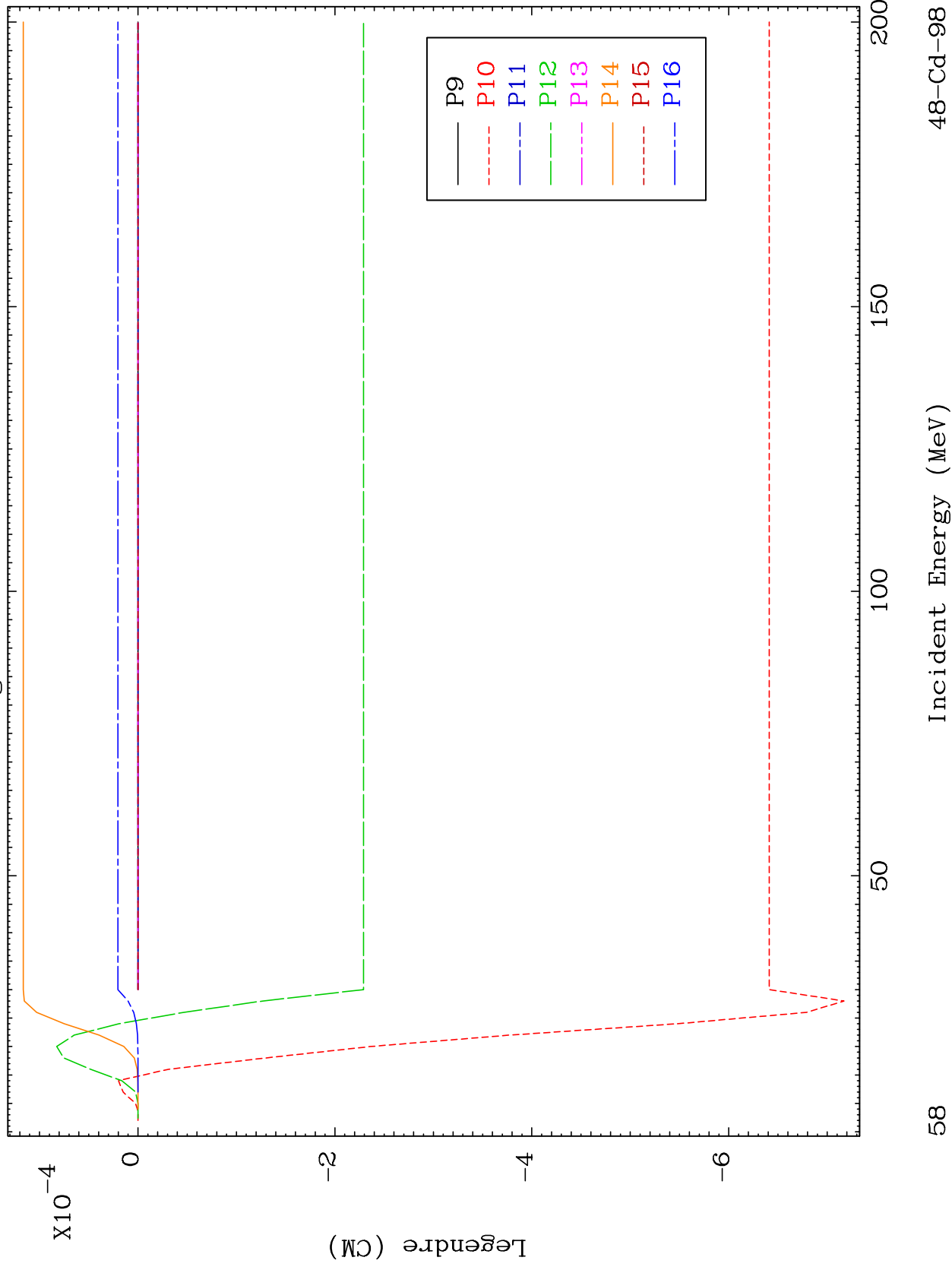




MAT 4801

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

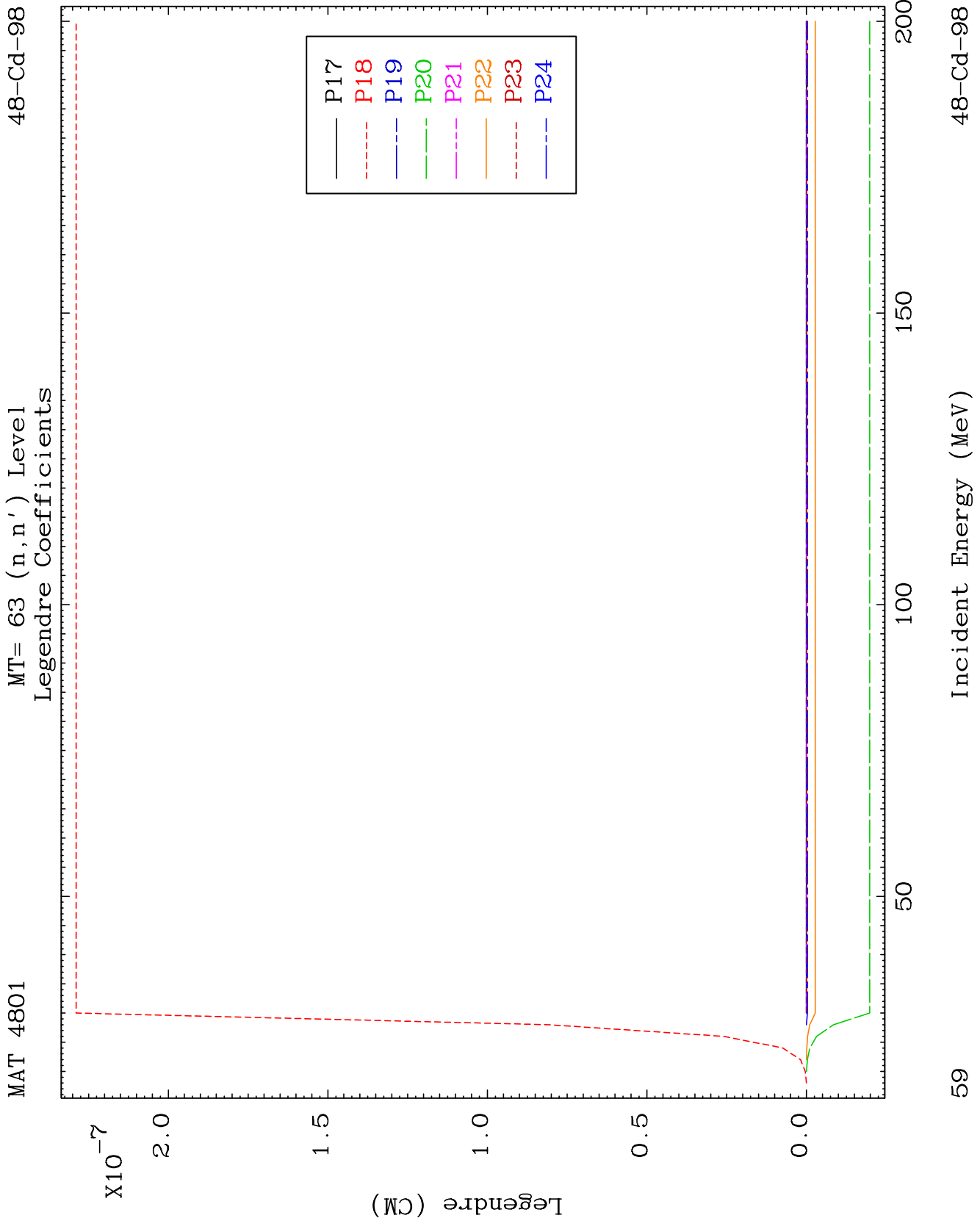
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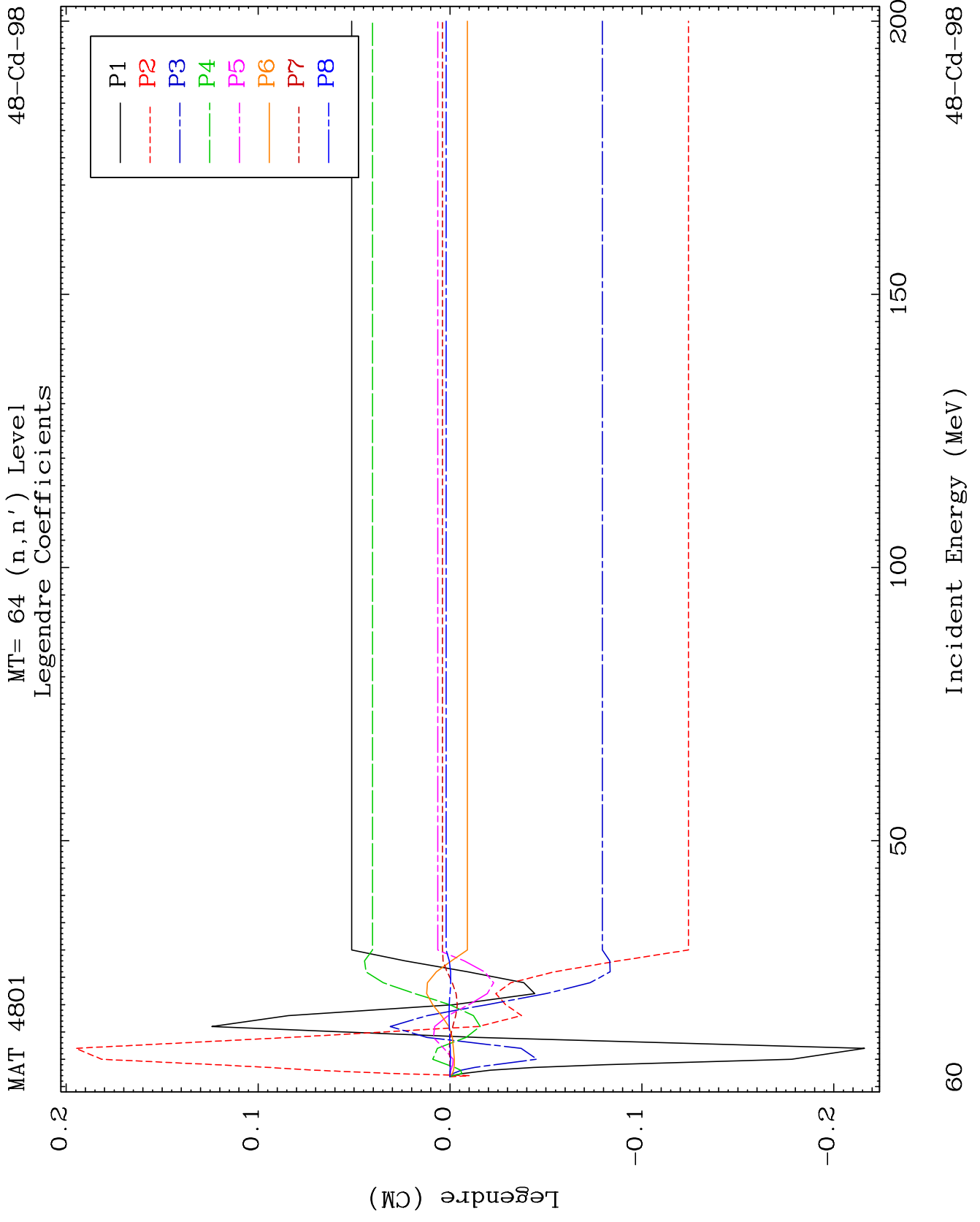


58

Incident Energy (MeV)

48-Cd-98

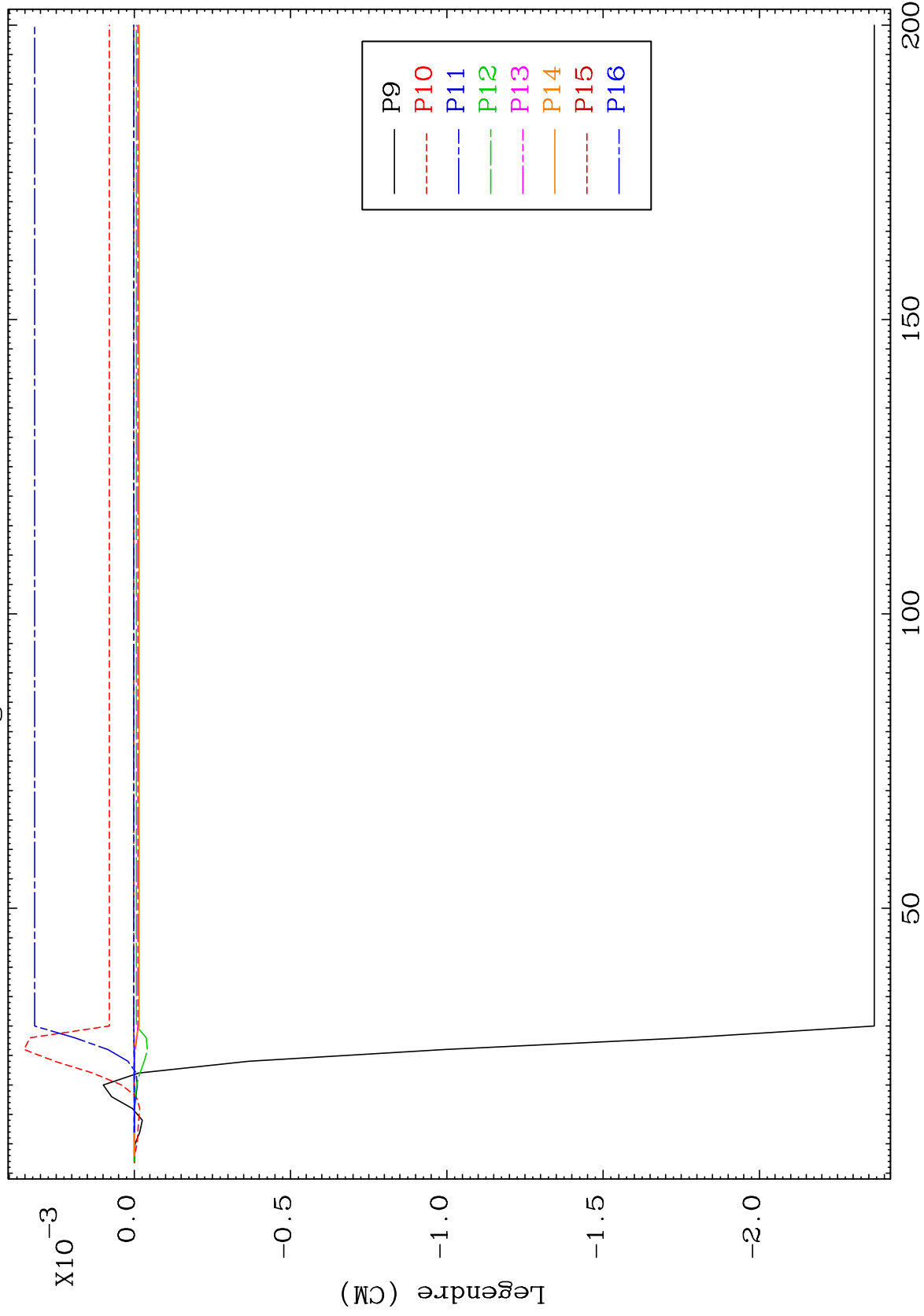




MAT 4801

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

48-Cd-98



61

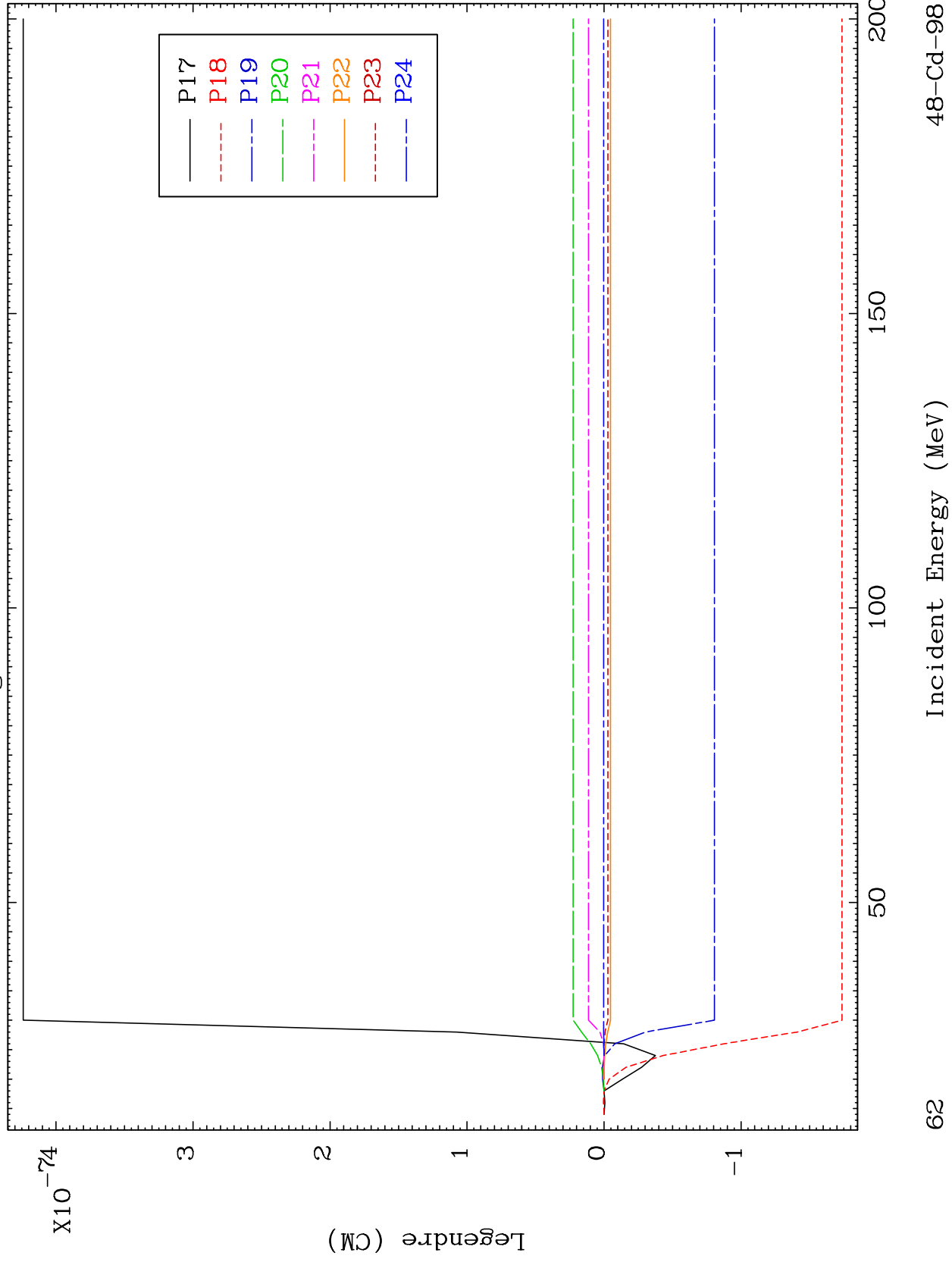
Incident Energy (MeV)

48-Cd-98

MAT 4801

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

48-Cd-98



62

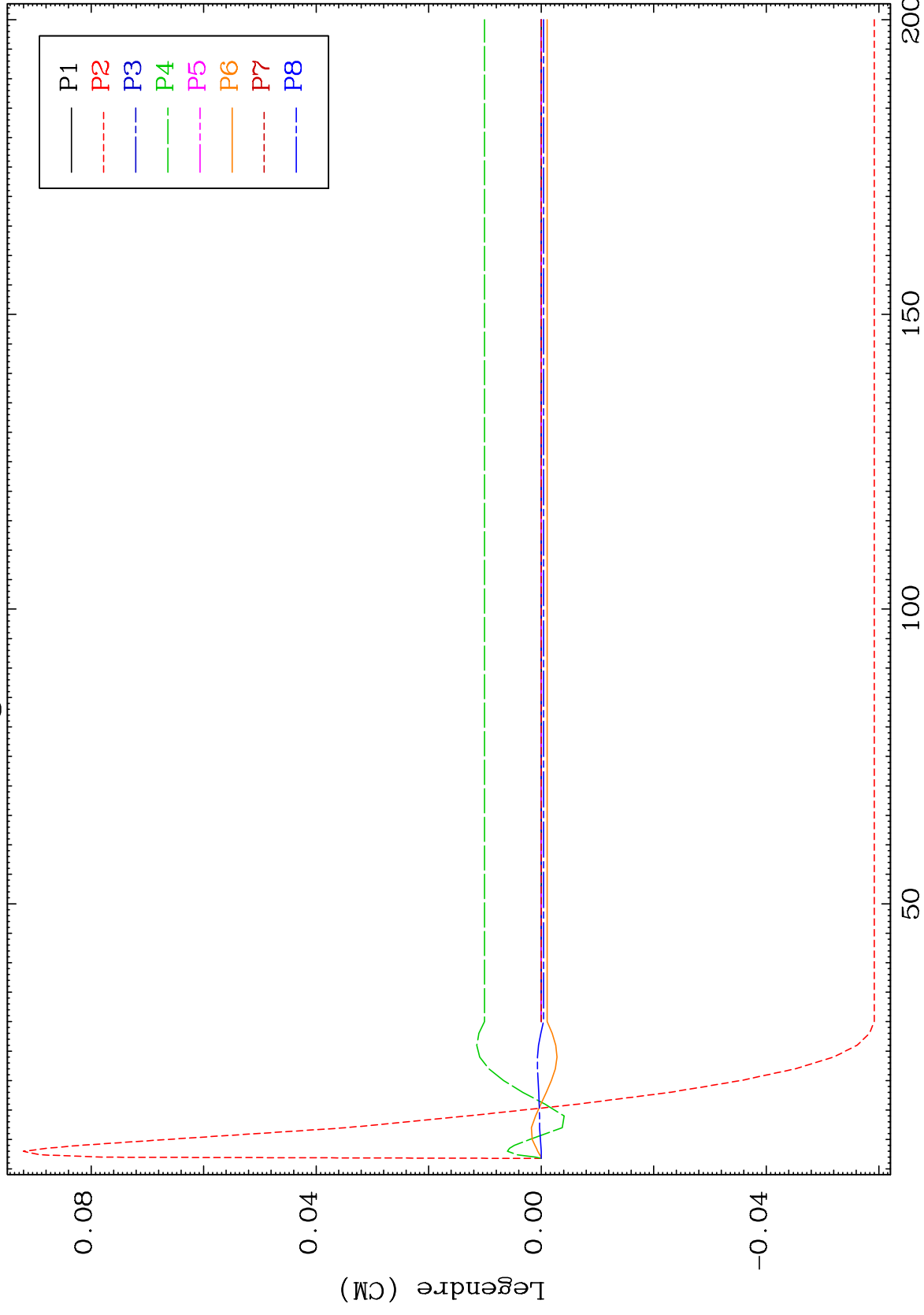
Incident Energy (MeV)

48-Cd-98

MAT 4801

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

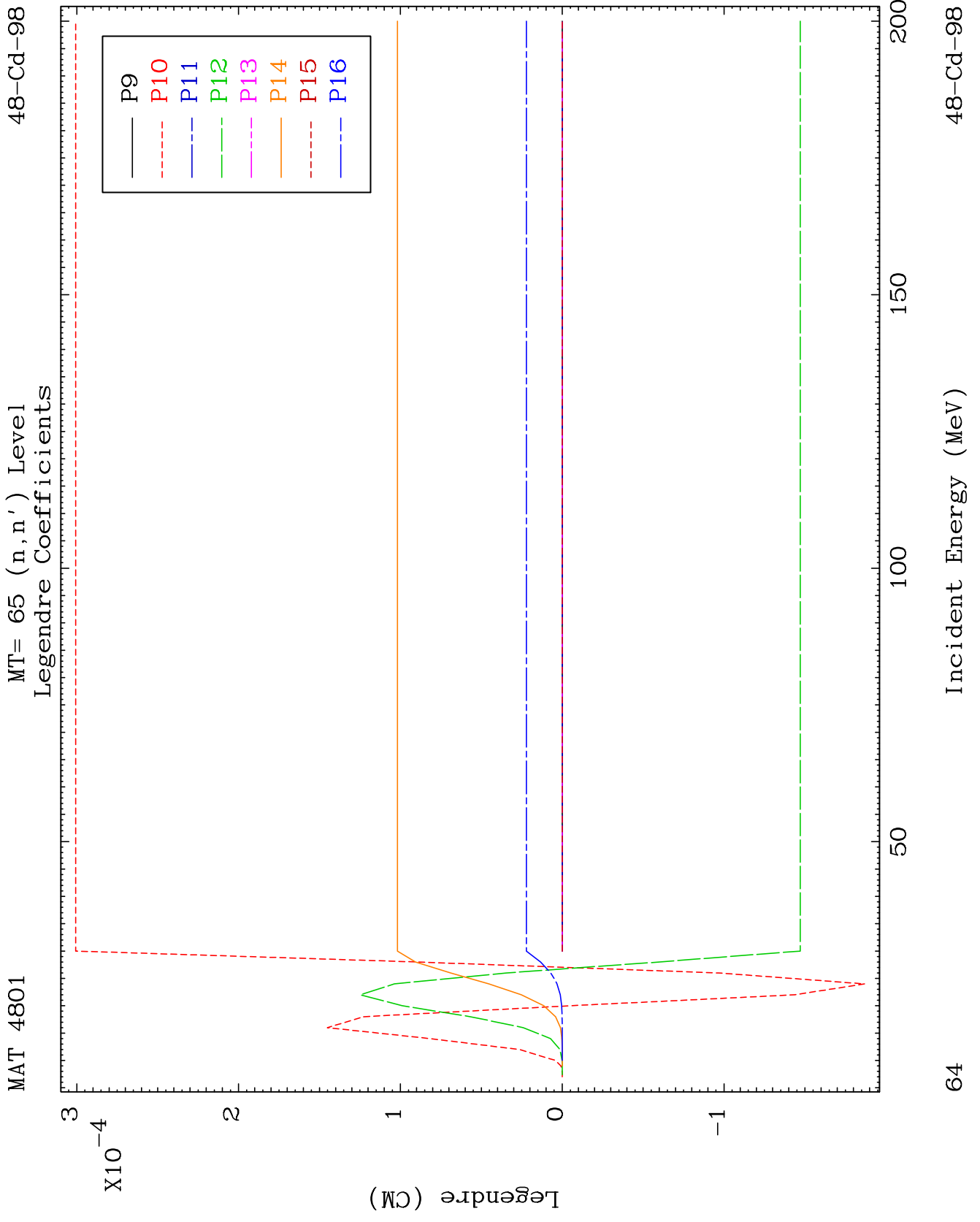
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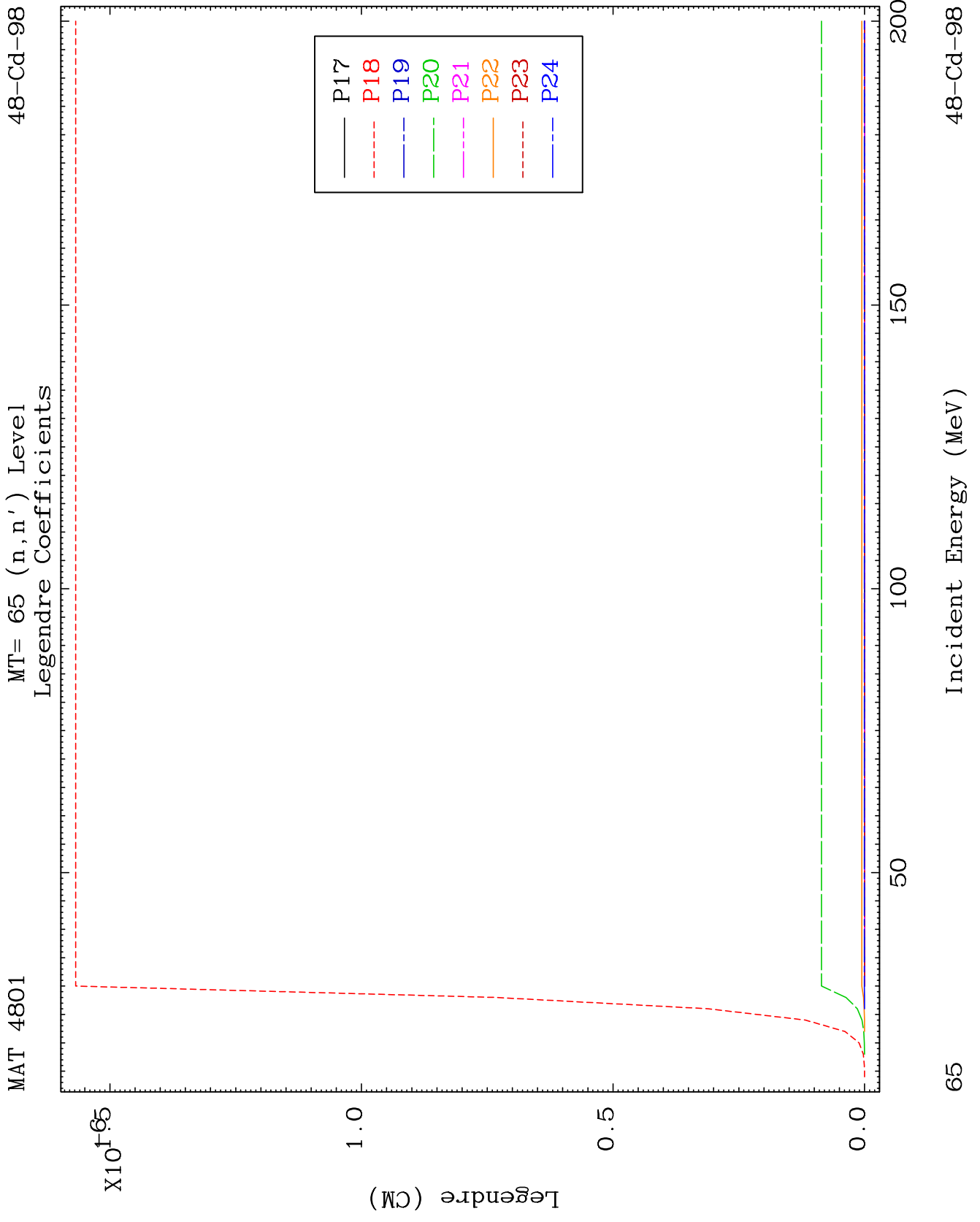


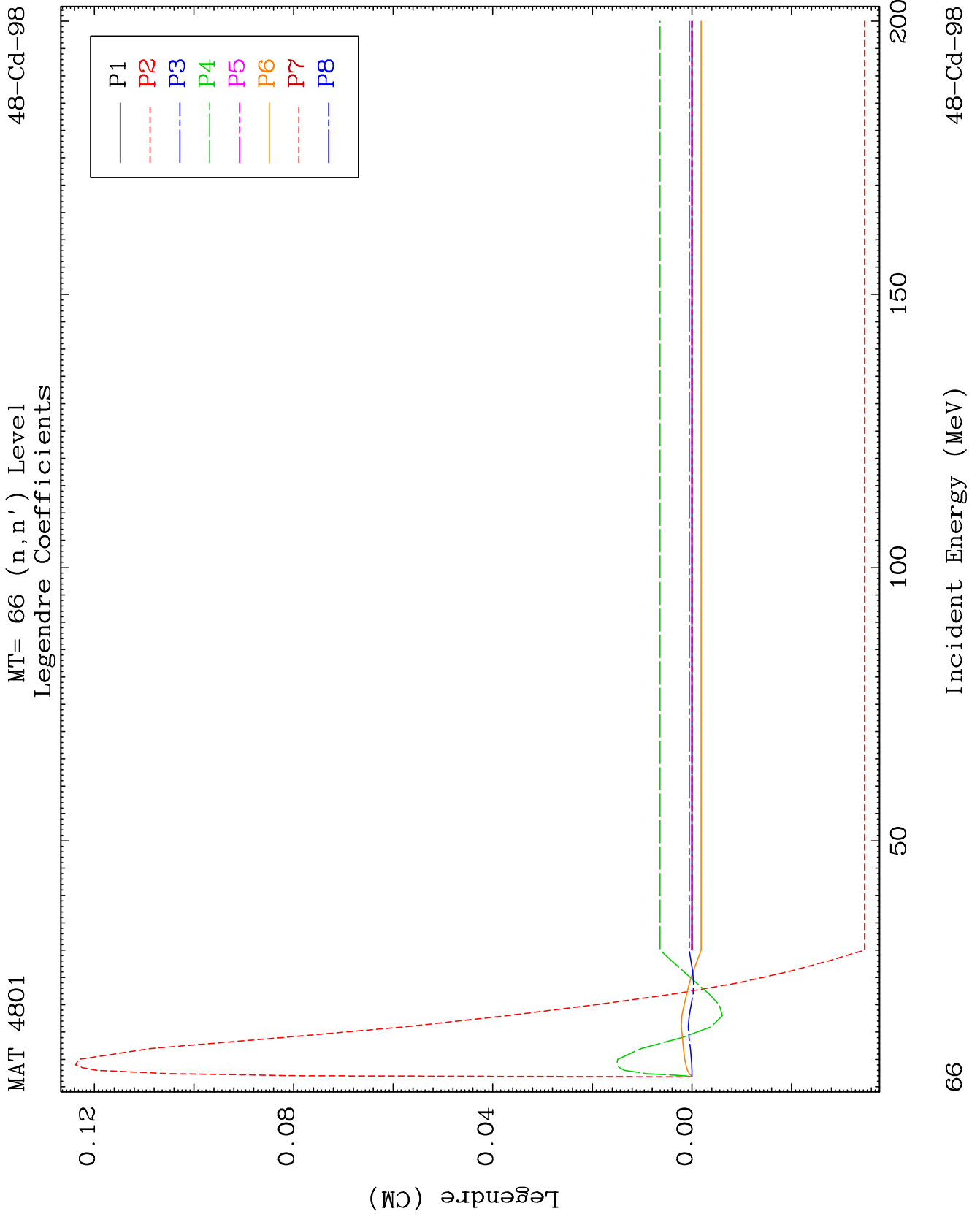
63

Incident Energy (MeV)

48-Cd-98



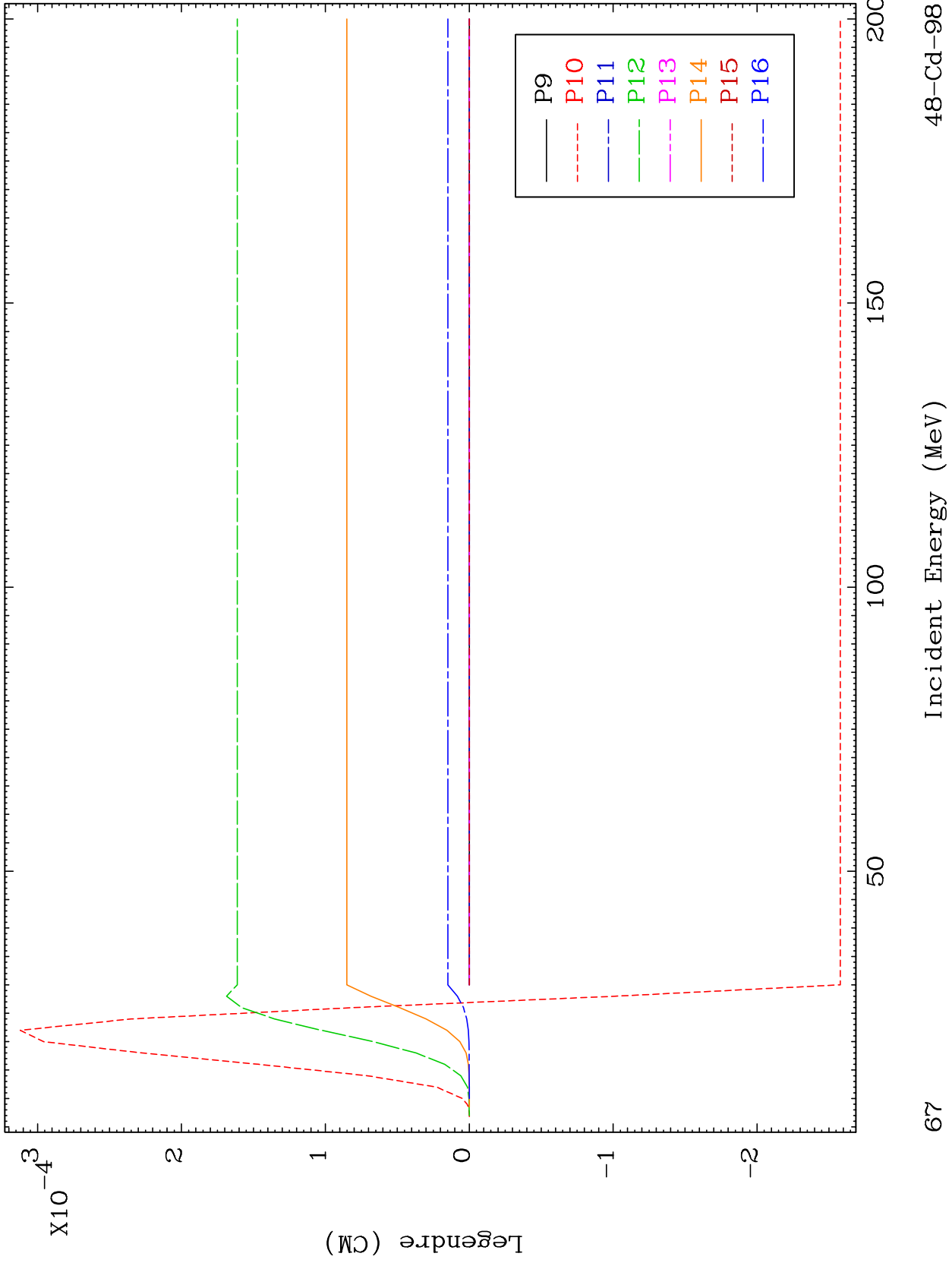




MAT 4801

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

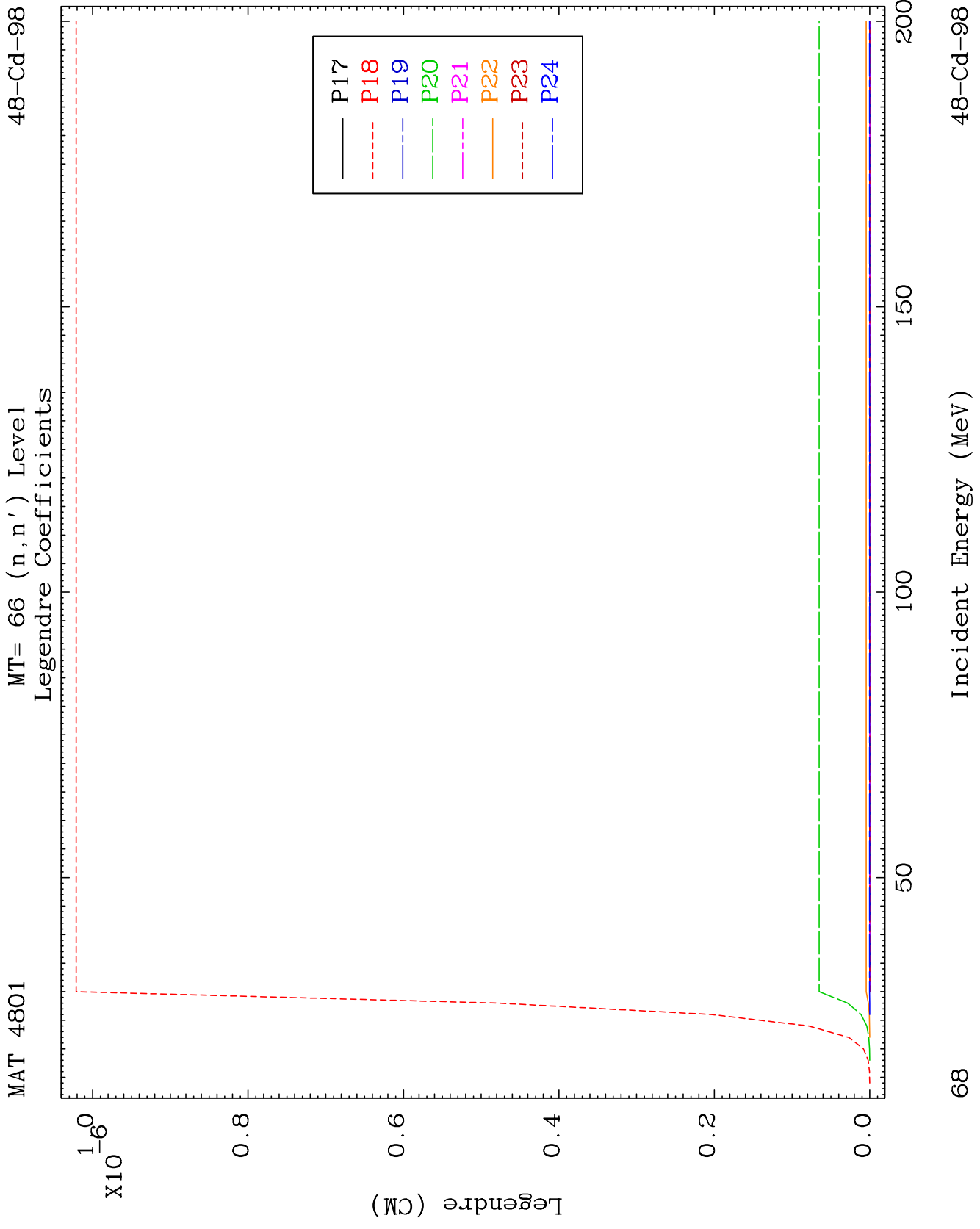
48-Cd-98

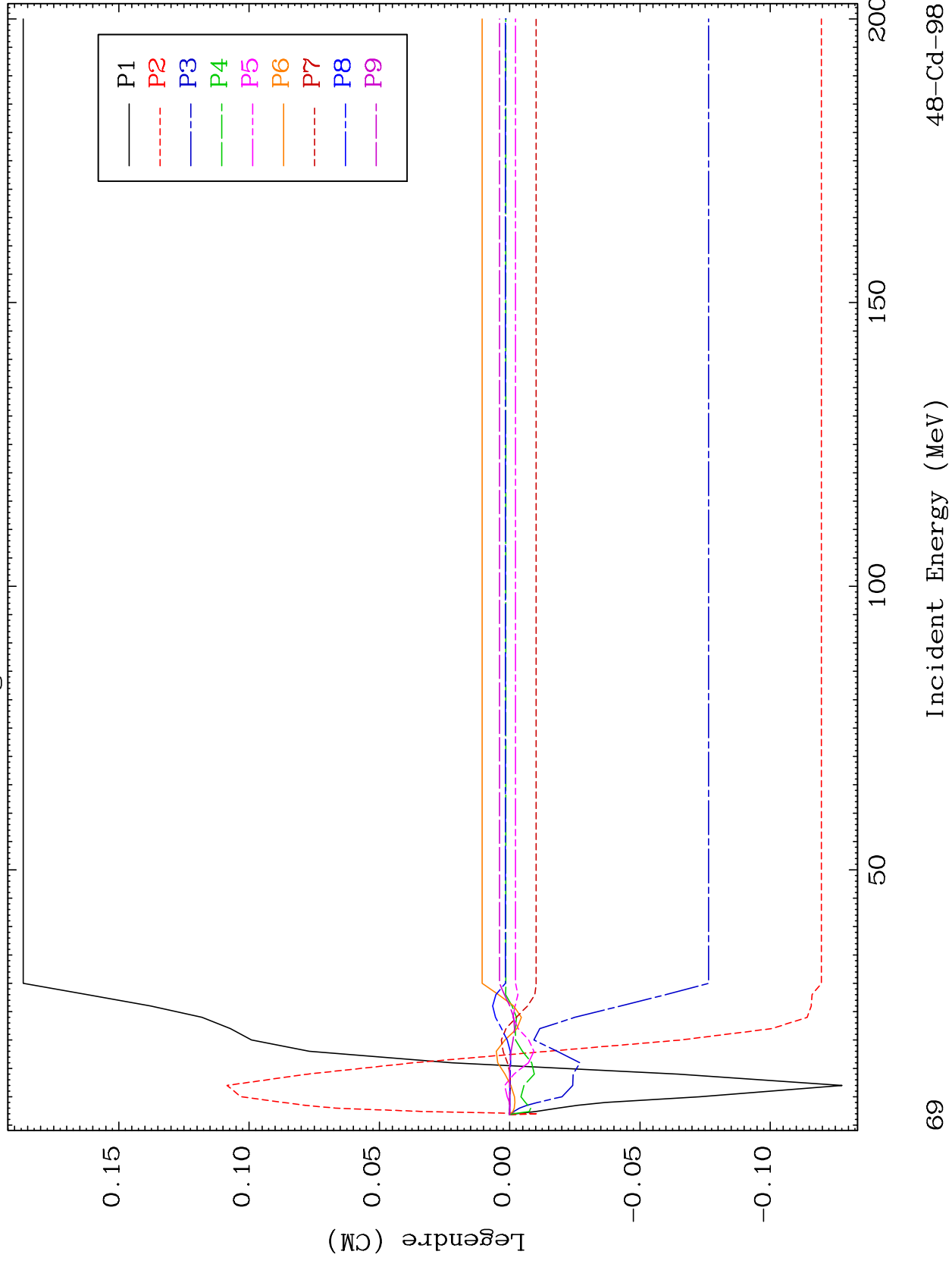


67

Incident Energy (MeV)

48-Cd-98

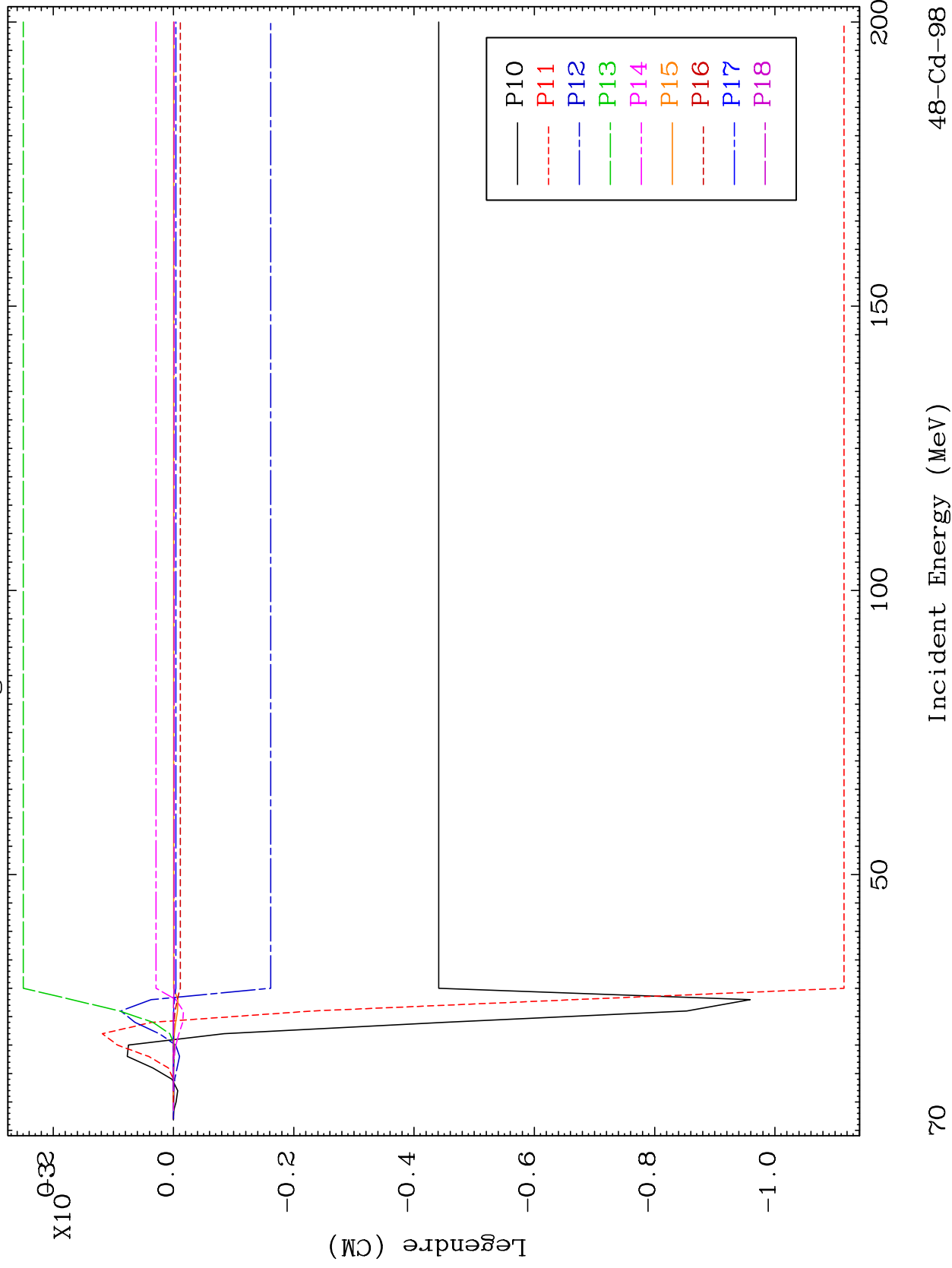




MAT 4801

48-Cd-98

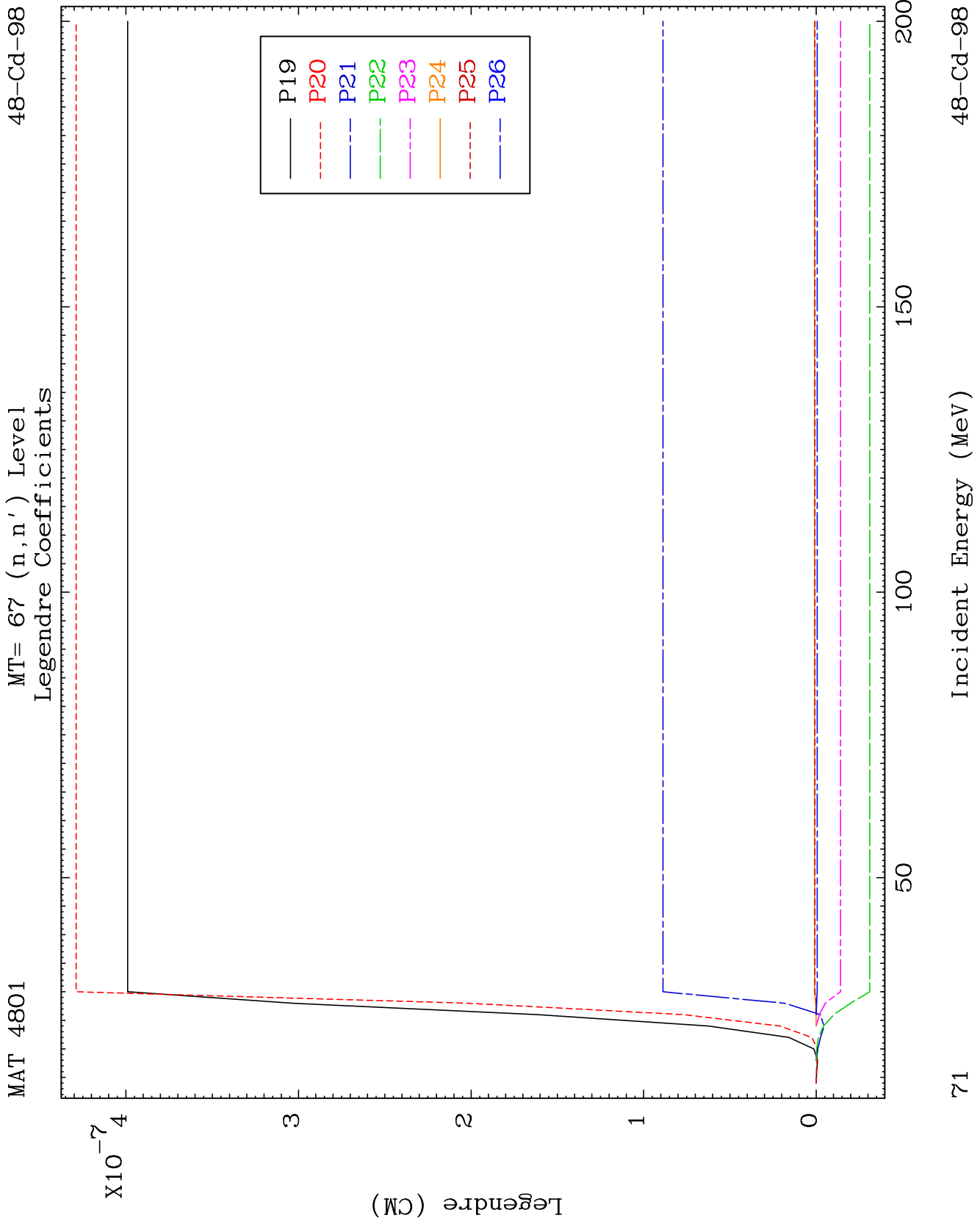
MT= 67 (n,n') Level
Legendre Coefficients



70

Incident Energy (MeV)

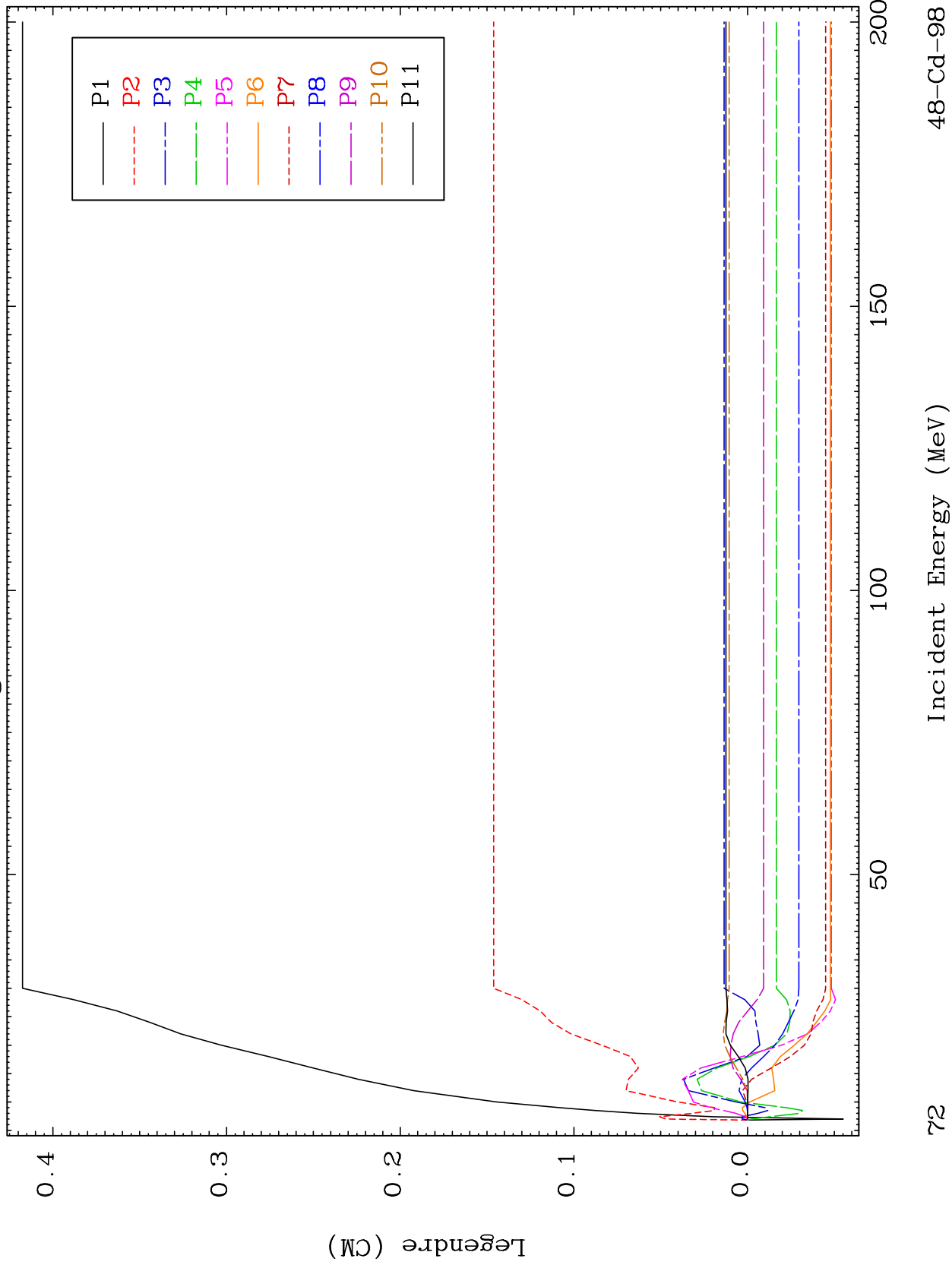
48-Cd-98



MAT 4801

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

48-Cd-98

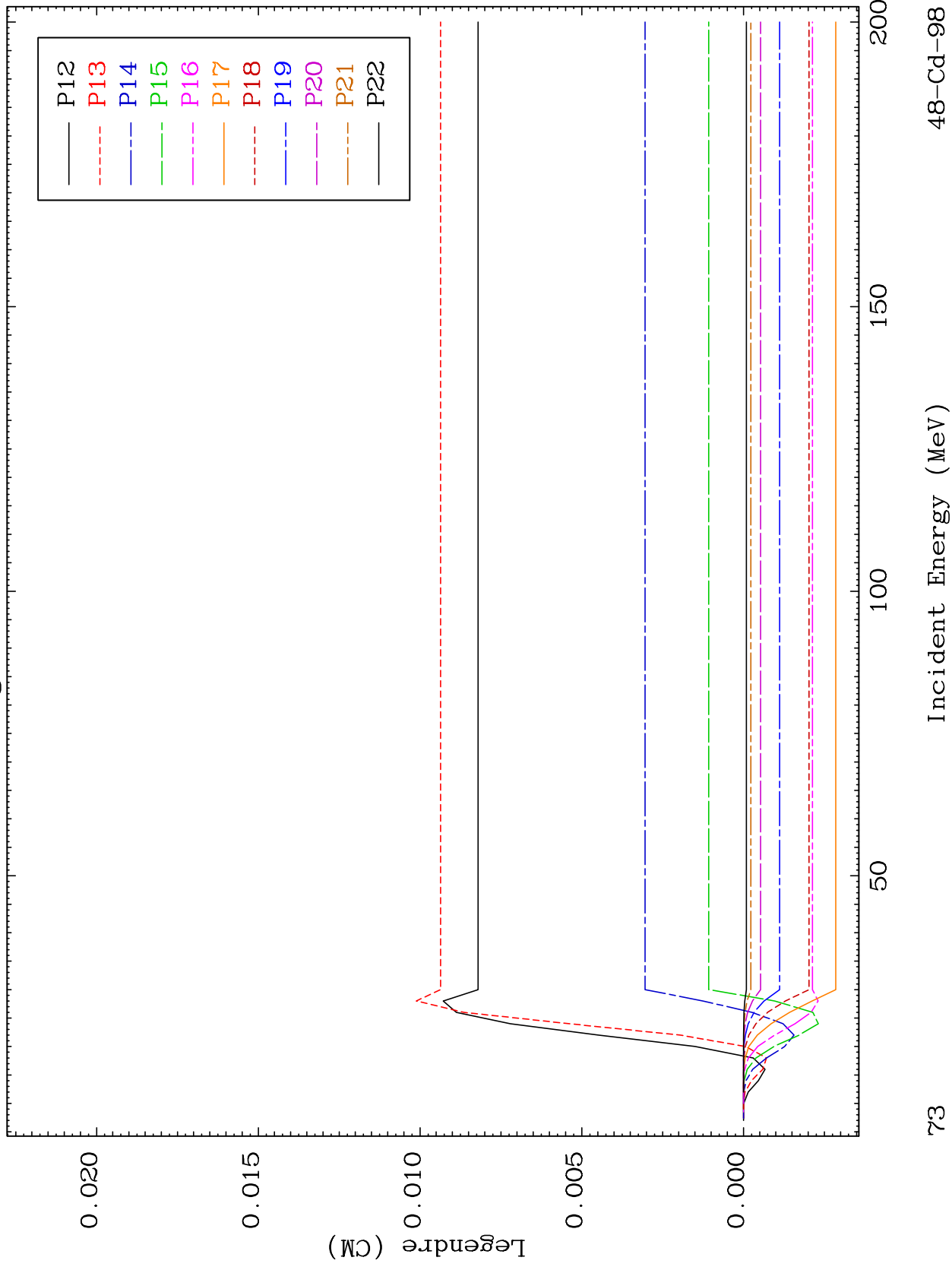


72

MAT 4801

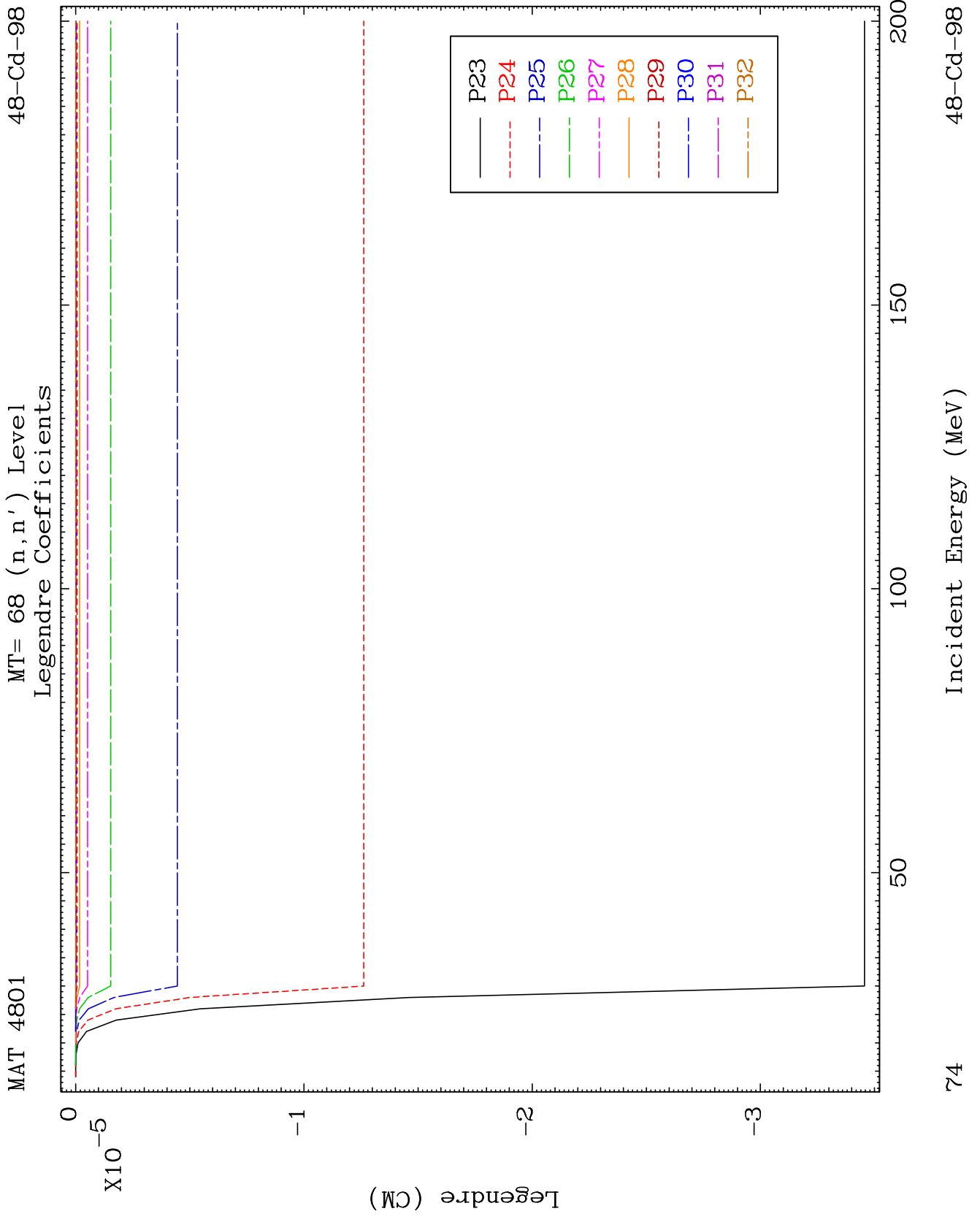
MT= 68 (n,n') Level
Legendre Coefficients

48-Cd-98



73

48-Cd-98

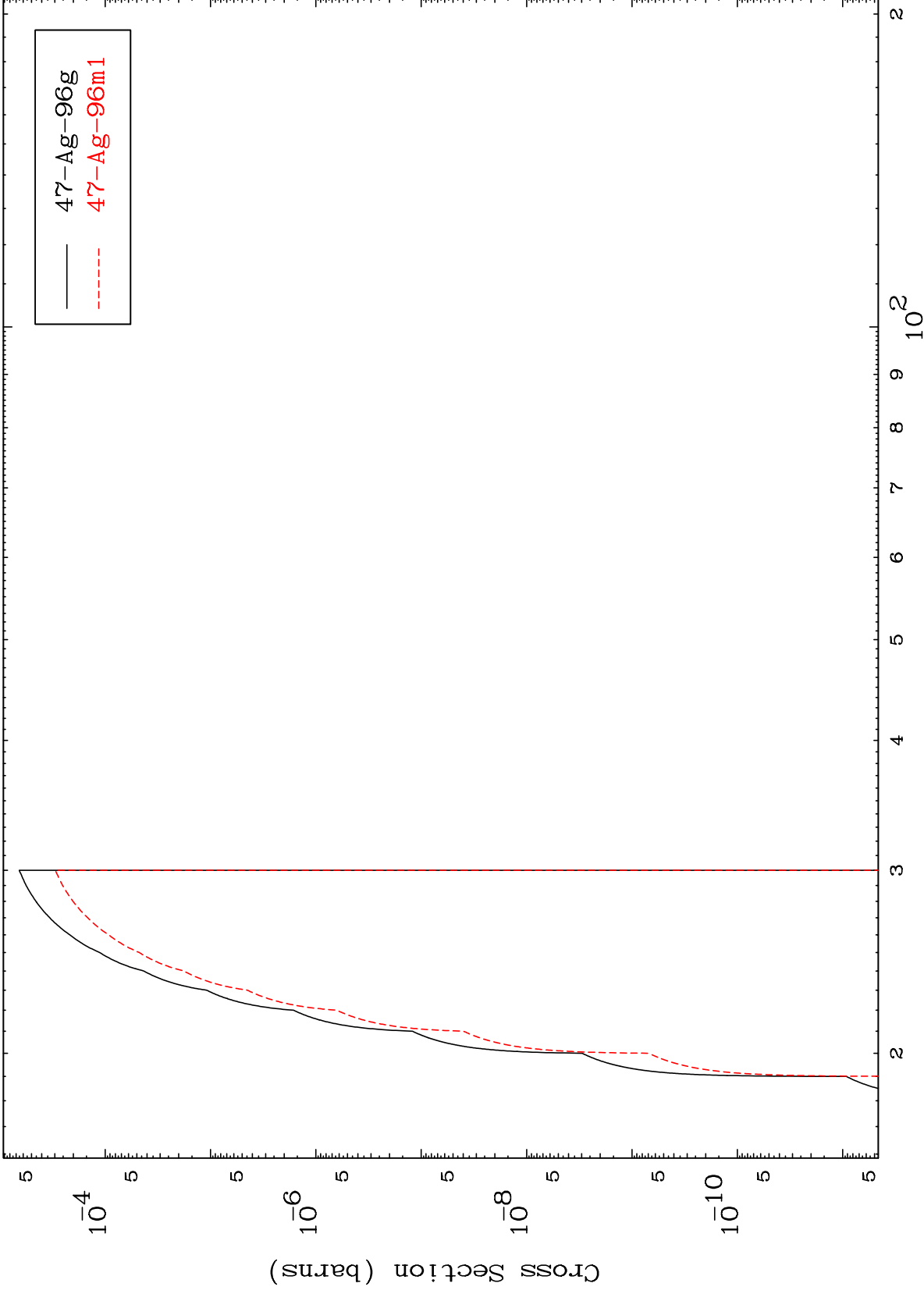


MAT 4801

(n,n') d

48-Cd-98

Radionuclide Production Cross Section



75

Incident Energy (MeV)

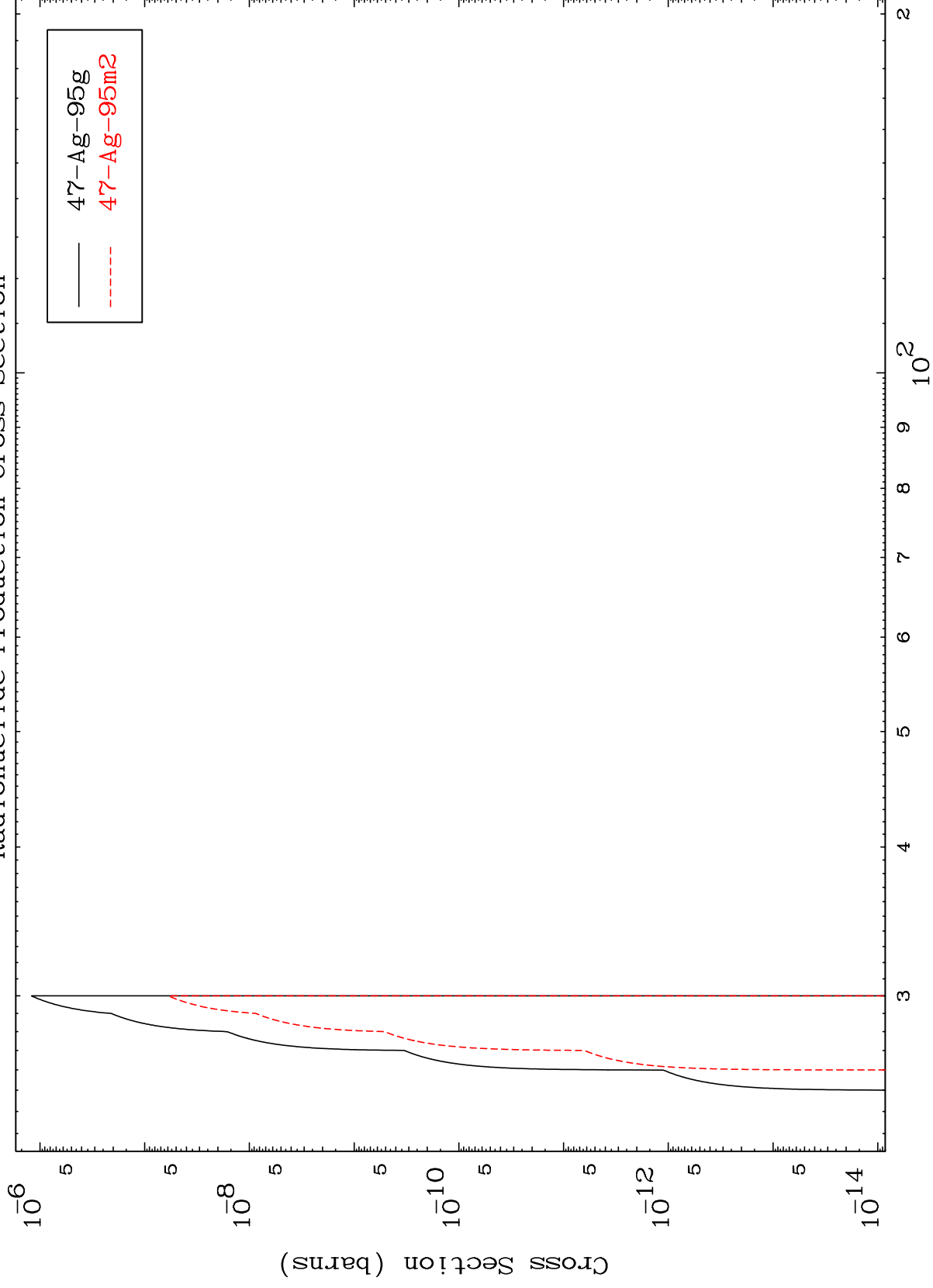
48-Cd-98

MAT 4801

(n,n') t

48-Cd-98

Radionuclide Production Cross Section



76

Incident Energy (MeV)

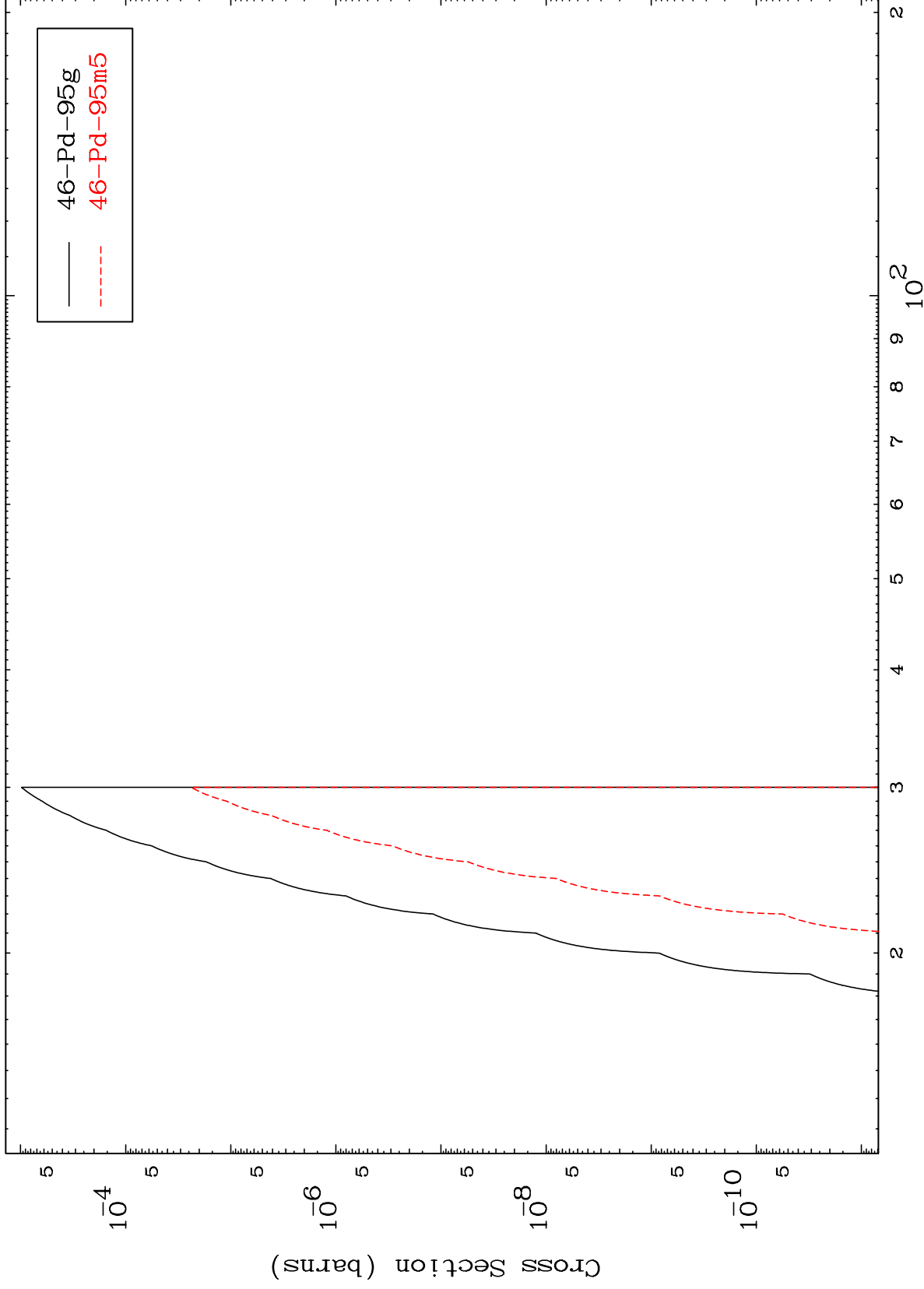
48-Cd-98

MAT 4801

(n,n') He-3

48-Cd-98

Radionuclide Production Cross Section



77

Incident Energy (MeV)

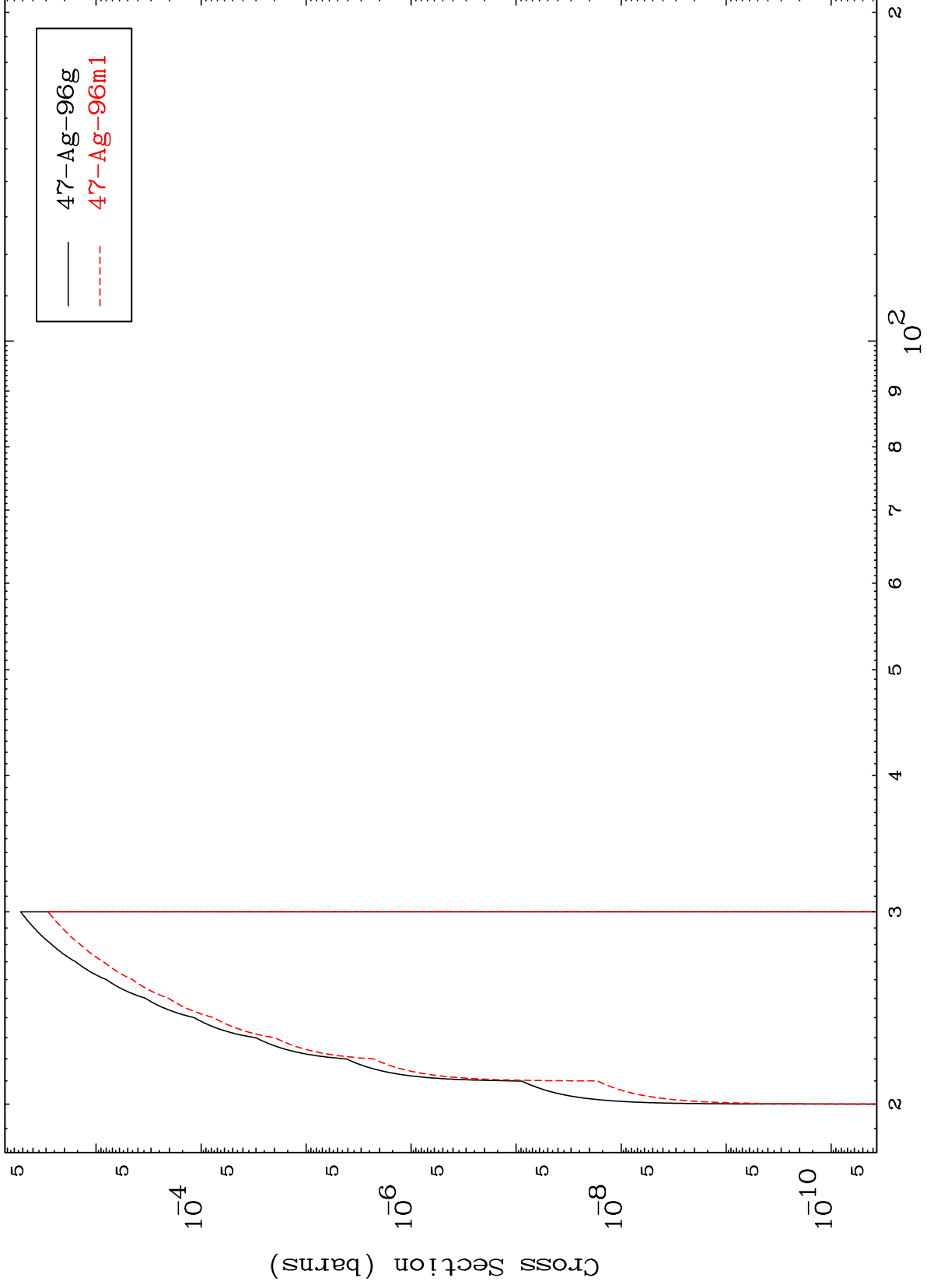
48-Cd-98

MAT 4801

(n,2n) p

48-Cd-98

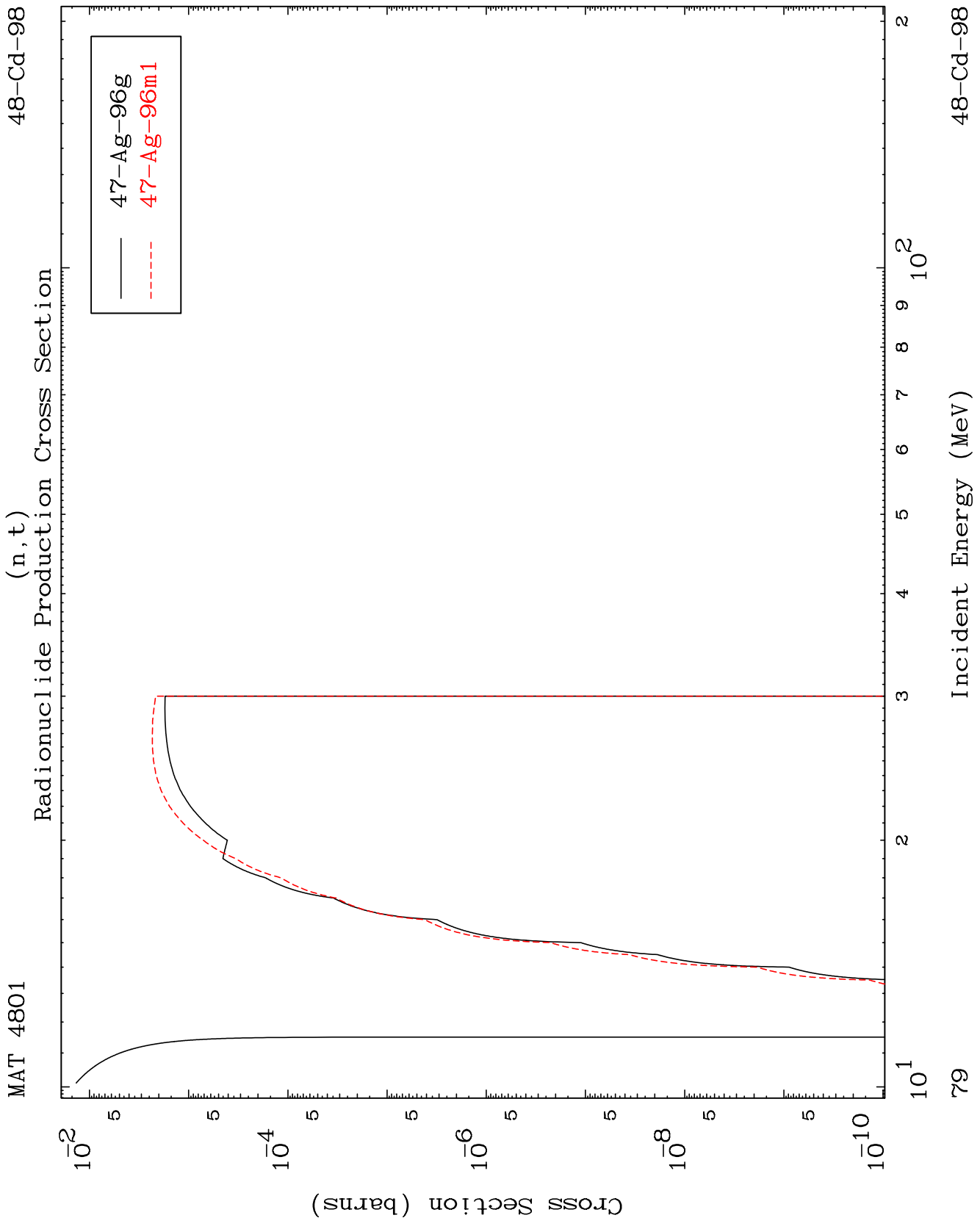
Radionuclide Production Cross Section



78

Incident Energy (MeV)

48-Cd-98

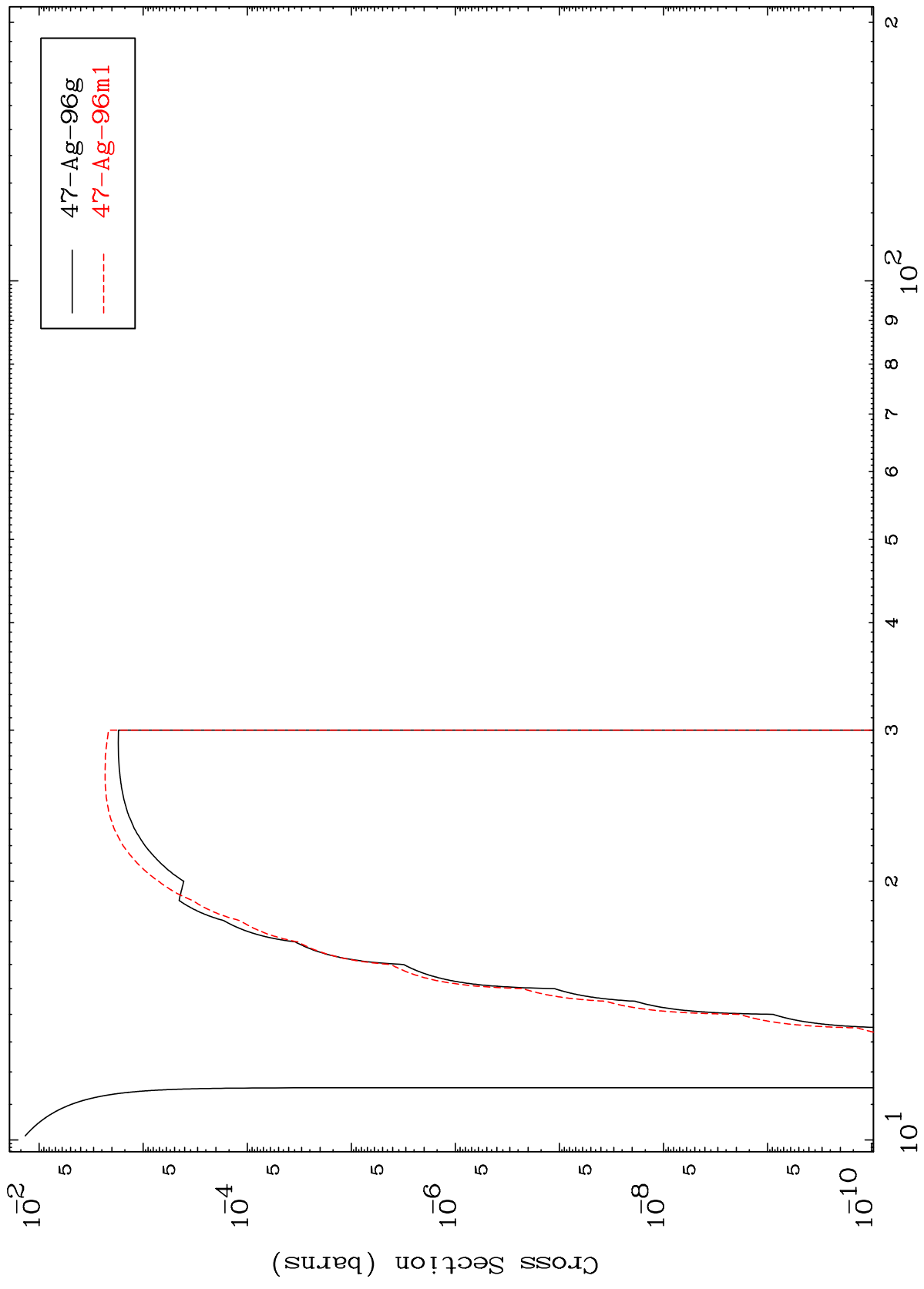


MAT 4801

(n, t)

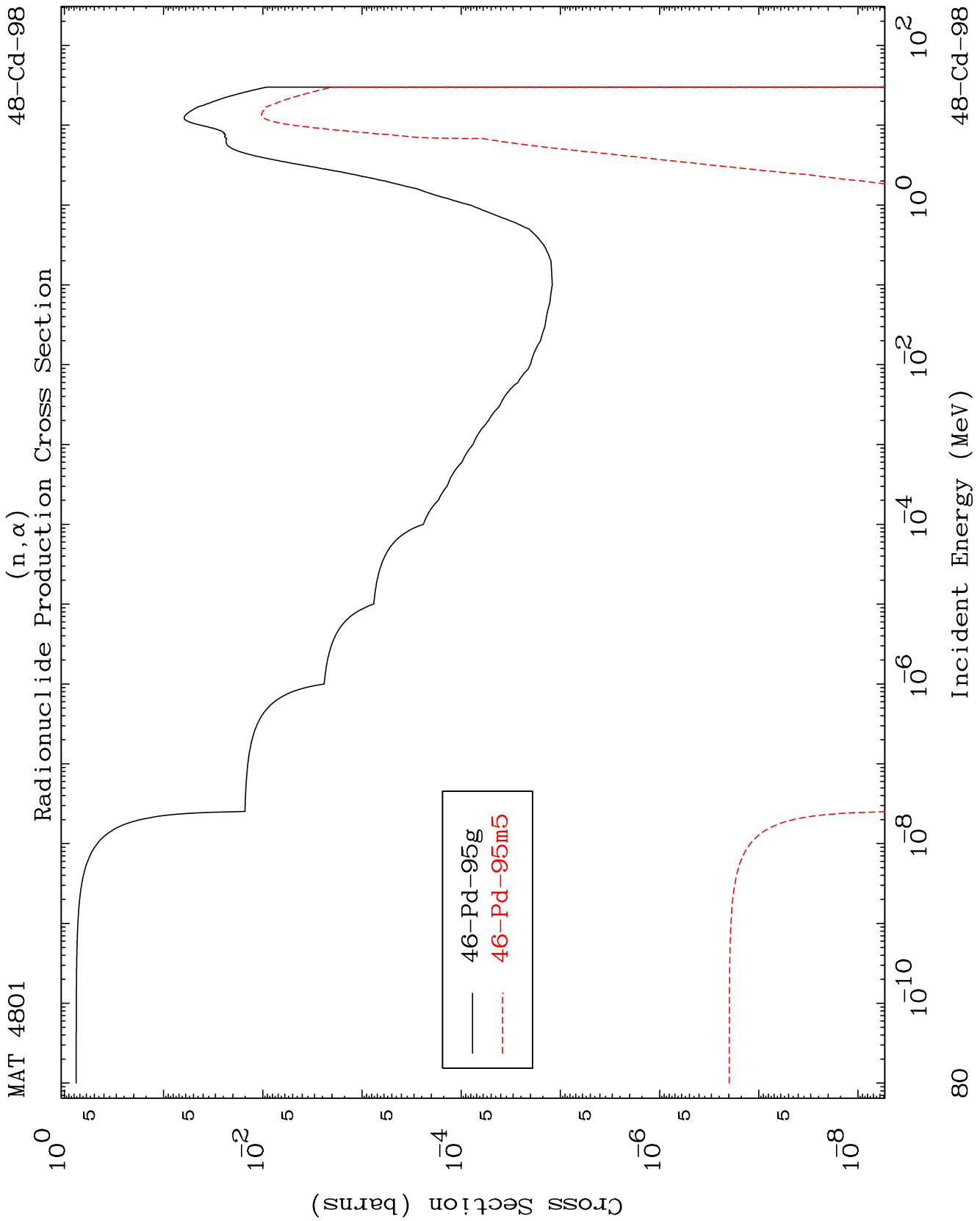
48-Cd-98

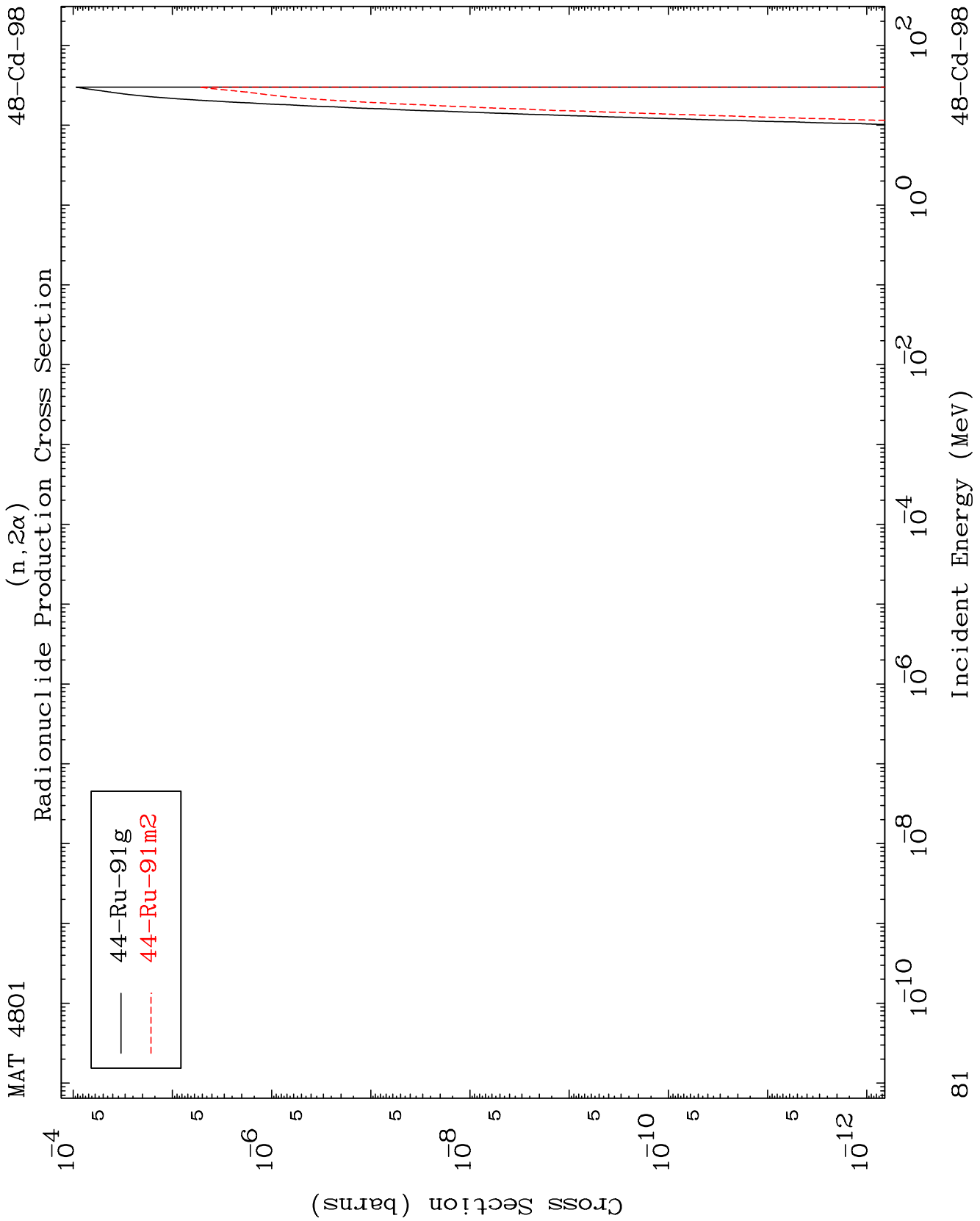
Radionuclide Production Cross Section



79

48-Cd-98



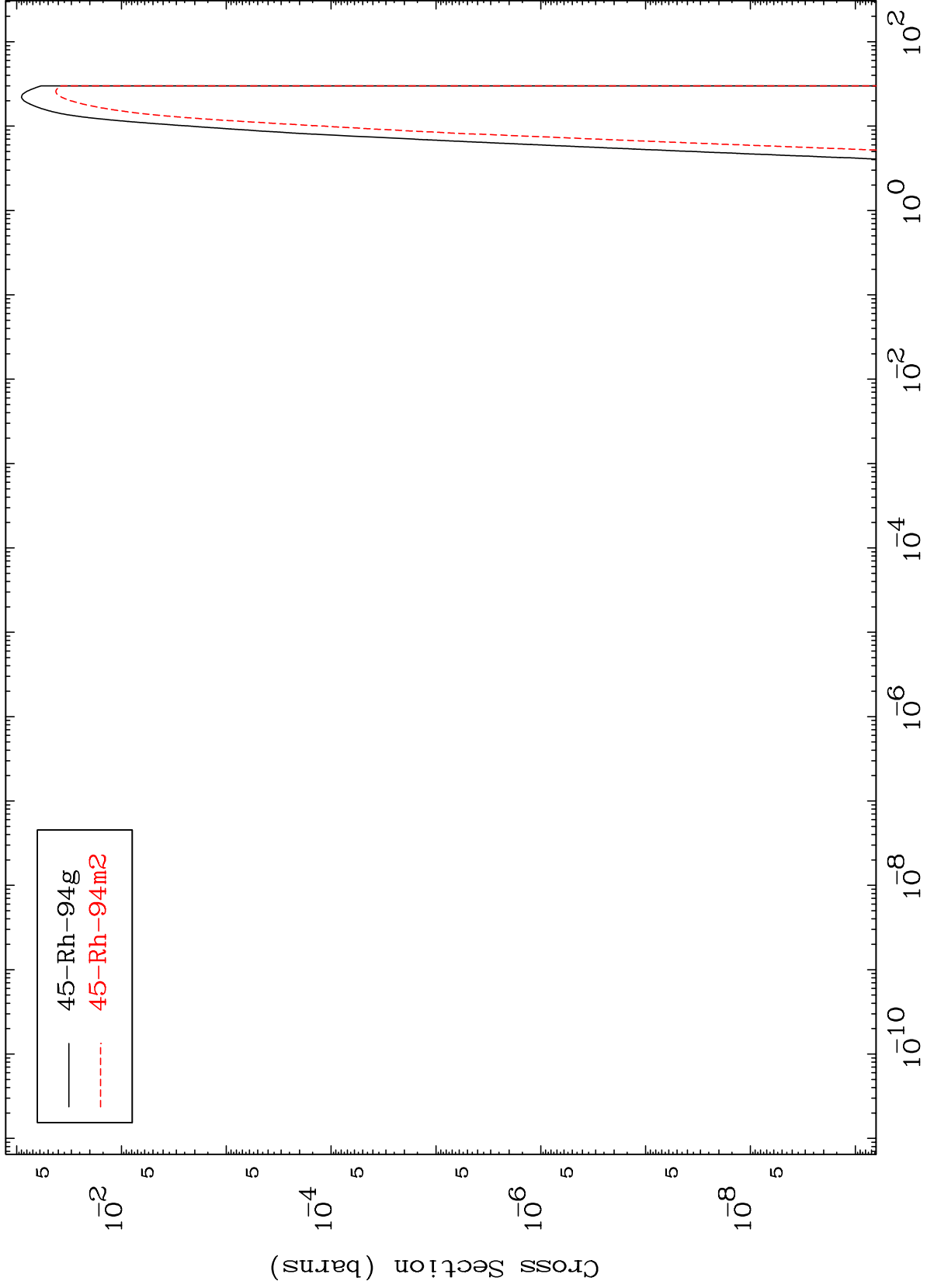


MAT 4801

(n,p) α

48-Cd-98

Radionuclide Production Cross Section



— 45-Rh-94g
- - - 45-Rh-94m2

82

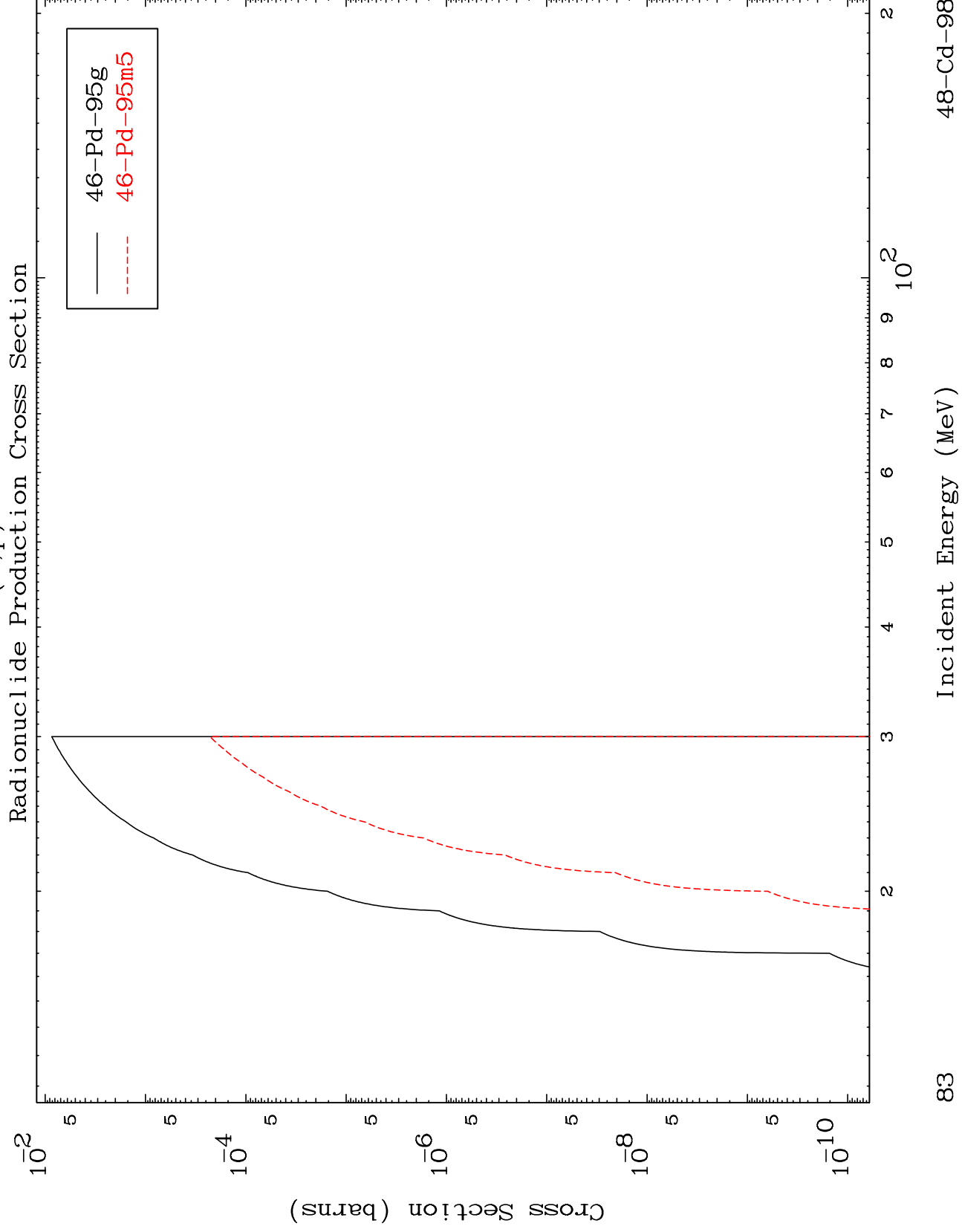
Incident Energy (MeV)

48-Cd-98

MAT 4801

(n,p) t

48-Cd-98



83

Incident Energy (MeV)

48-Cd-98