

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
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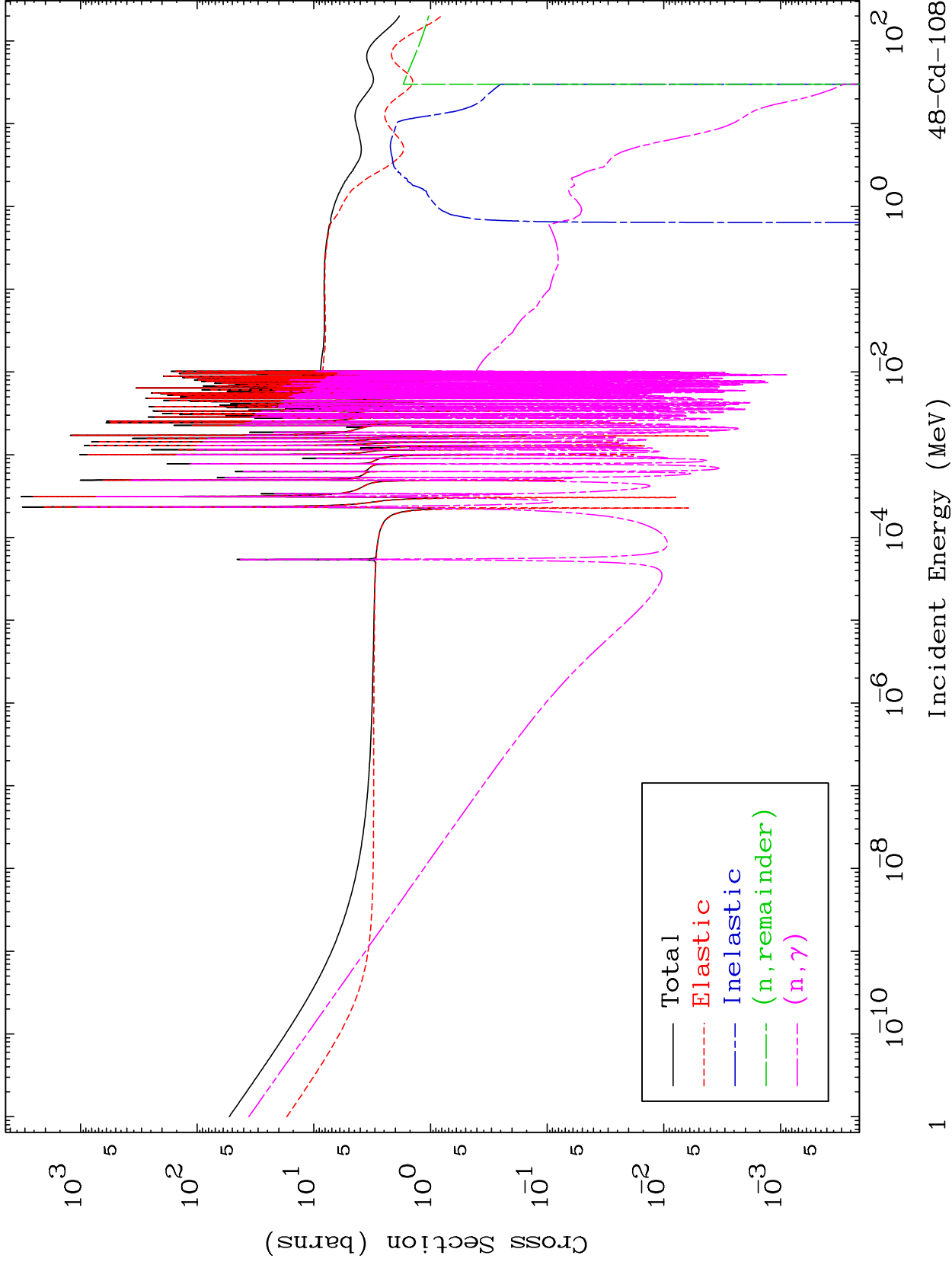
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 4831

Major
293 Kelvin Cross Sections

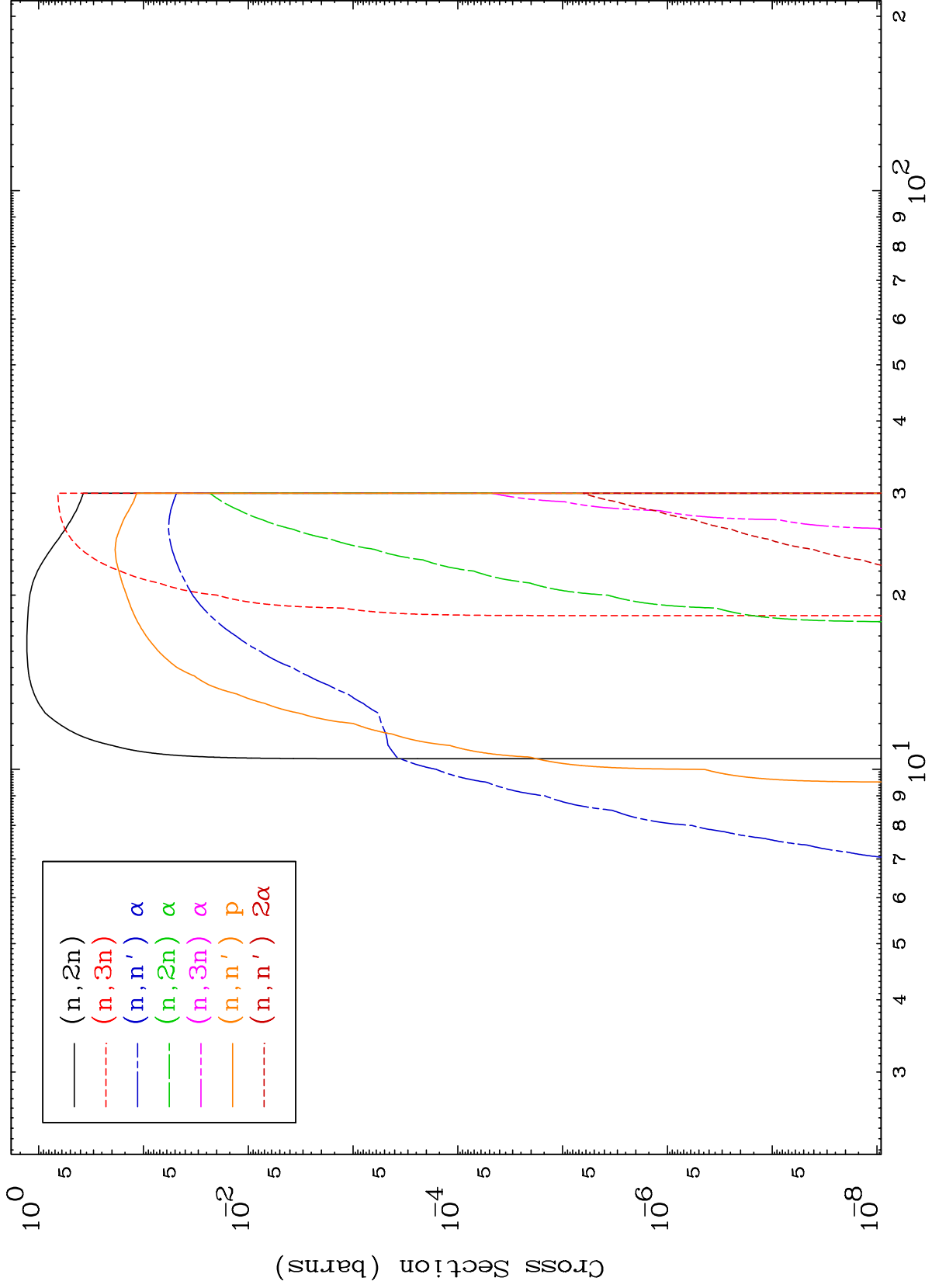
48-Cd-108

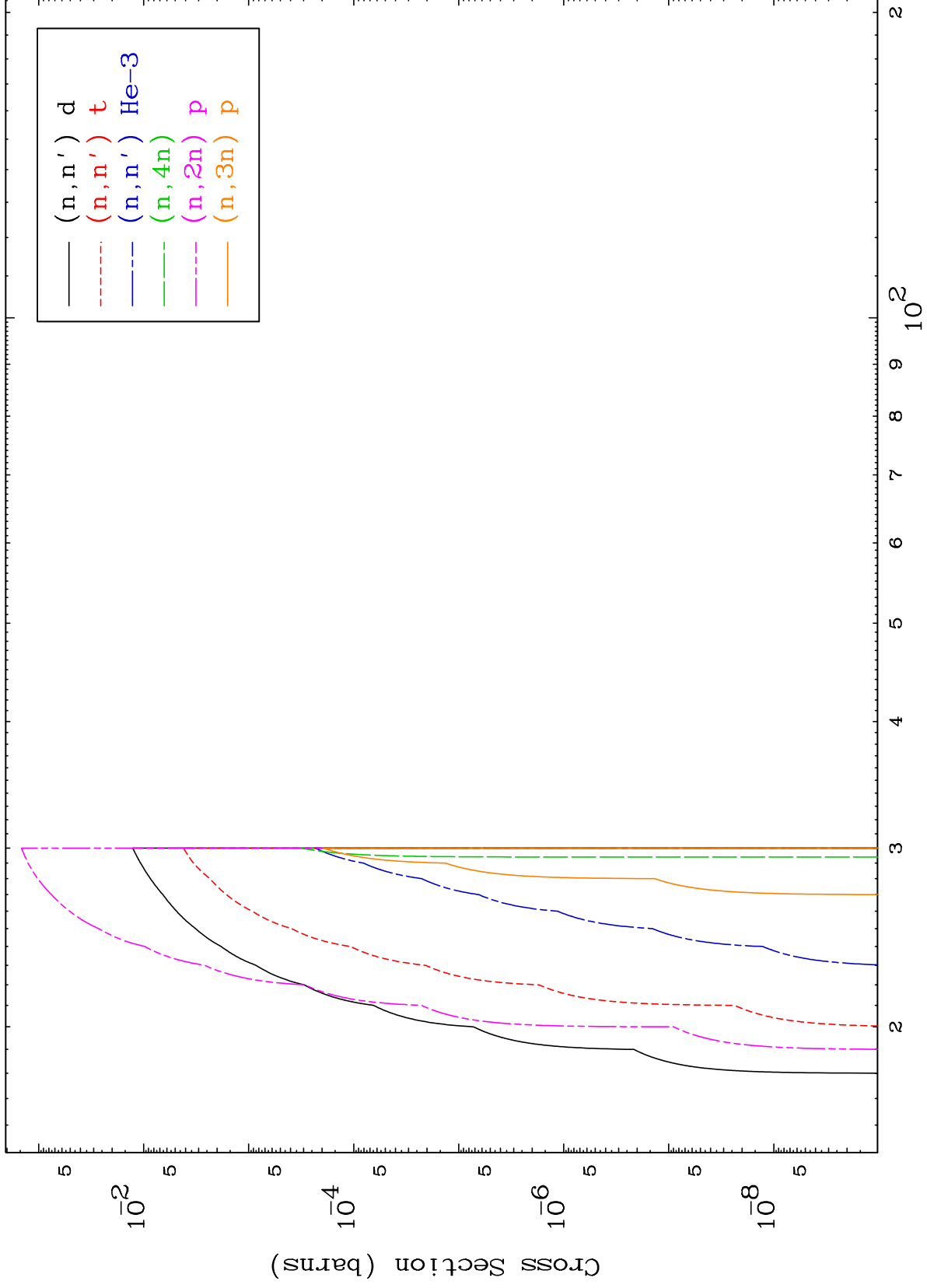


MAT 4831

Neutron Production
293 Kelvin Cross Sections

48-Cd-108

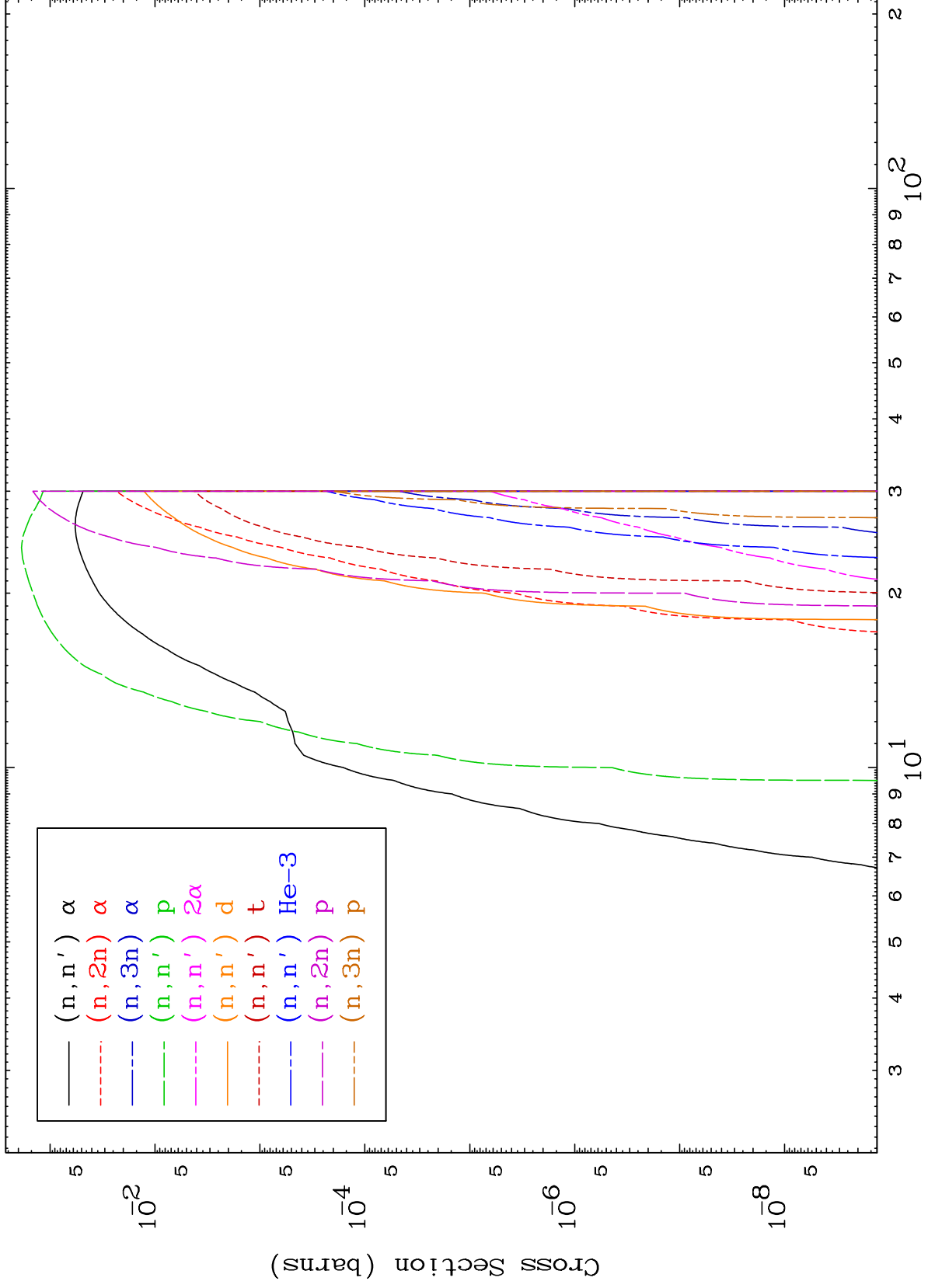




MAT 4831

Charged Particle
293 Kelvin Cross Sections

48-Cd-108



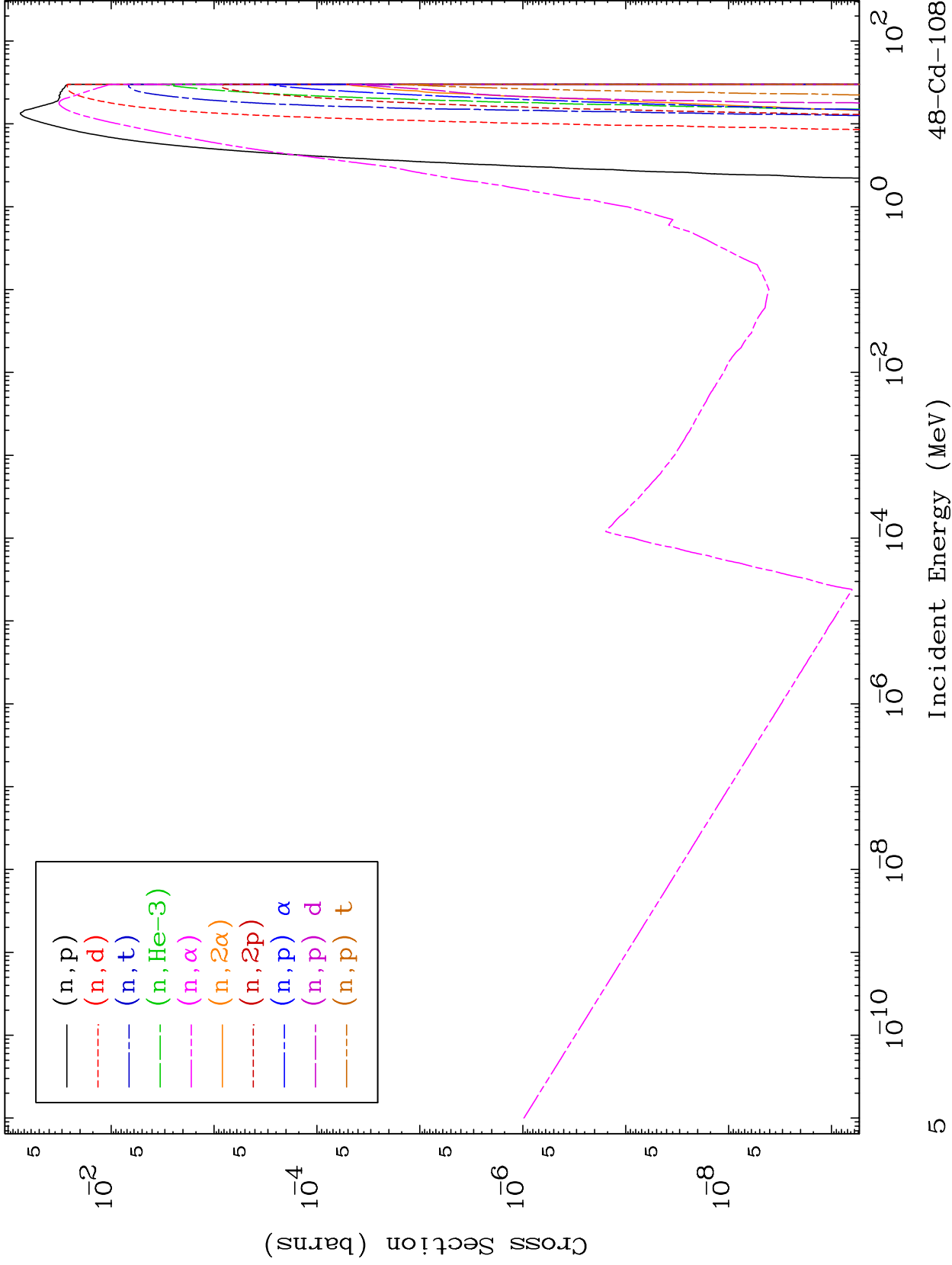
Incident Energy (MeV)

48-Cd-108

MAT 4831

Charged Particle
293 Kelvin Cross Sections

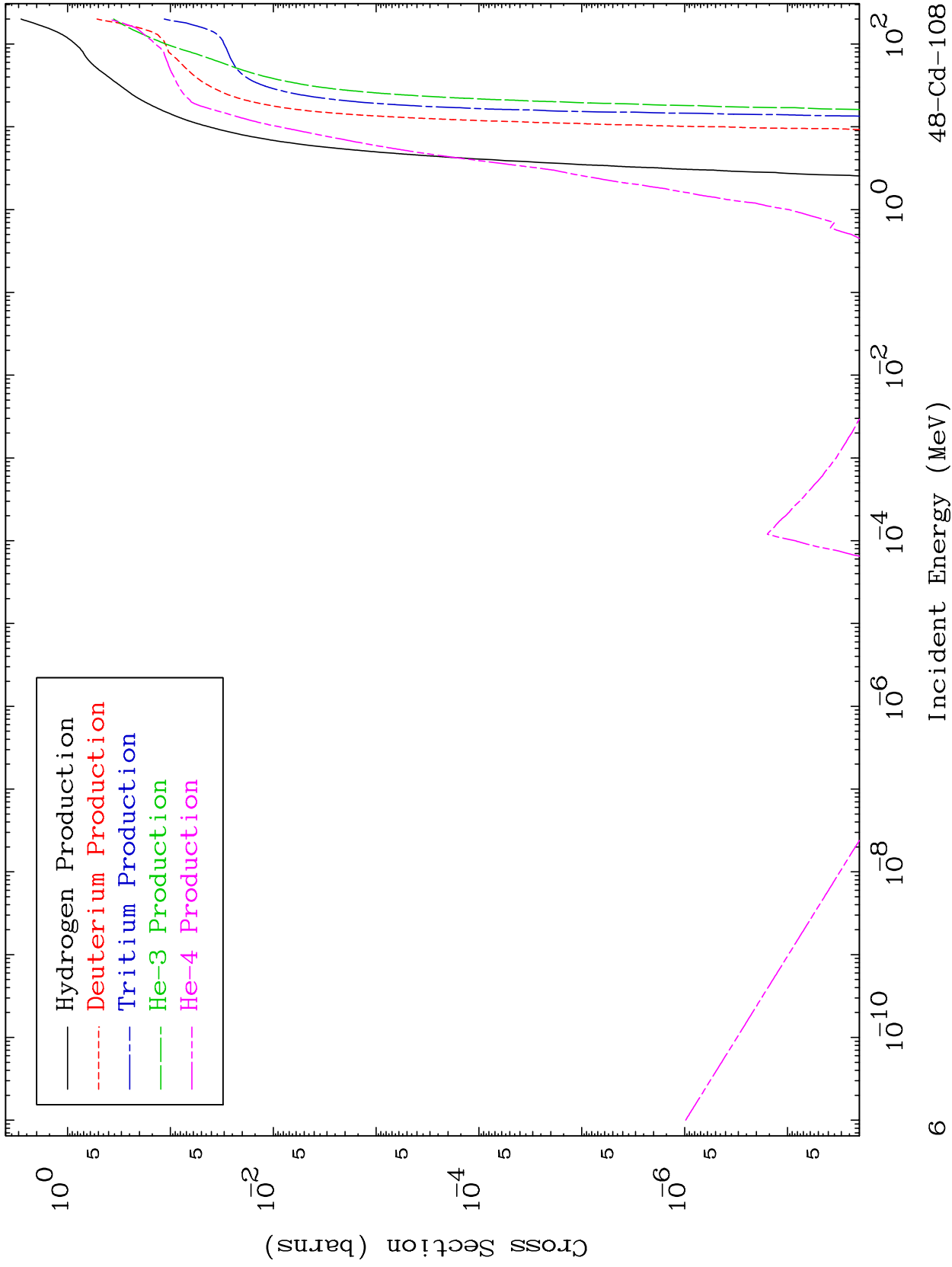
48-Cd-108



MAT 4831

Particle Production
293 Kelvin Cross Sections

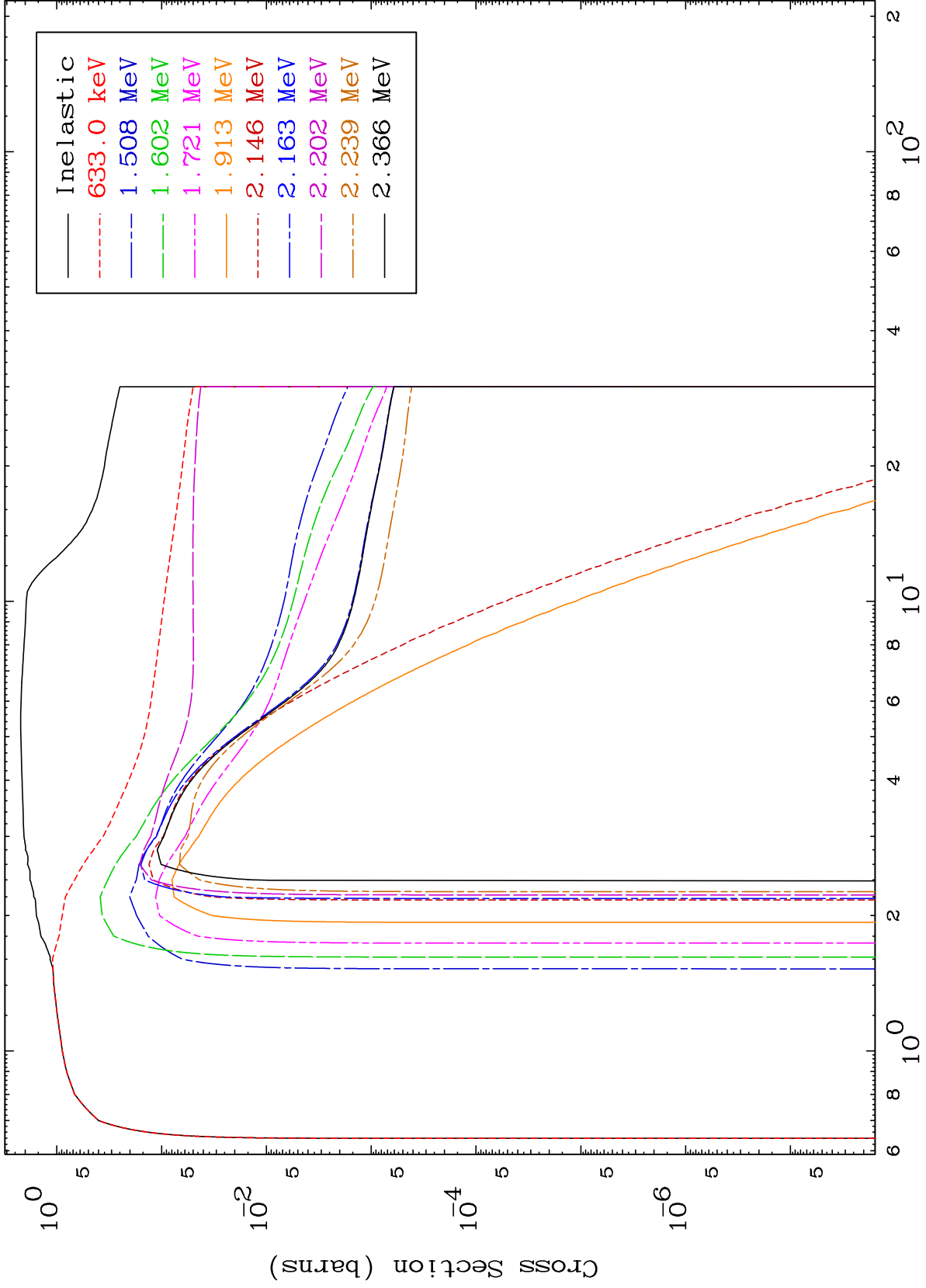
48-Cd-108



MAT 4831

(n,n') Level
293 Kelvin Cross Sections

48-Cd-108



7

Incident Energy (MeV)

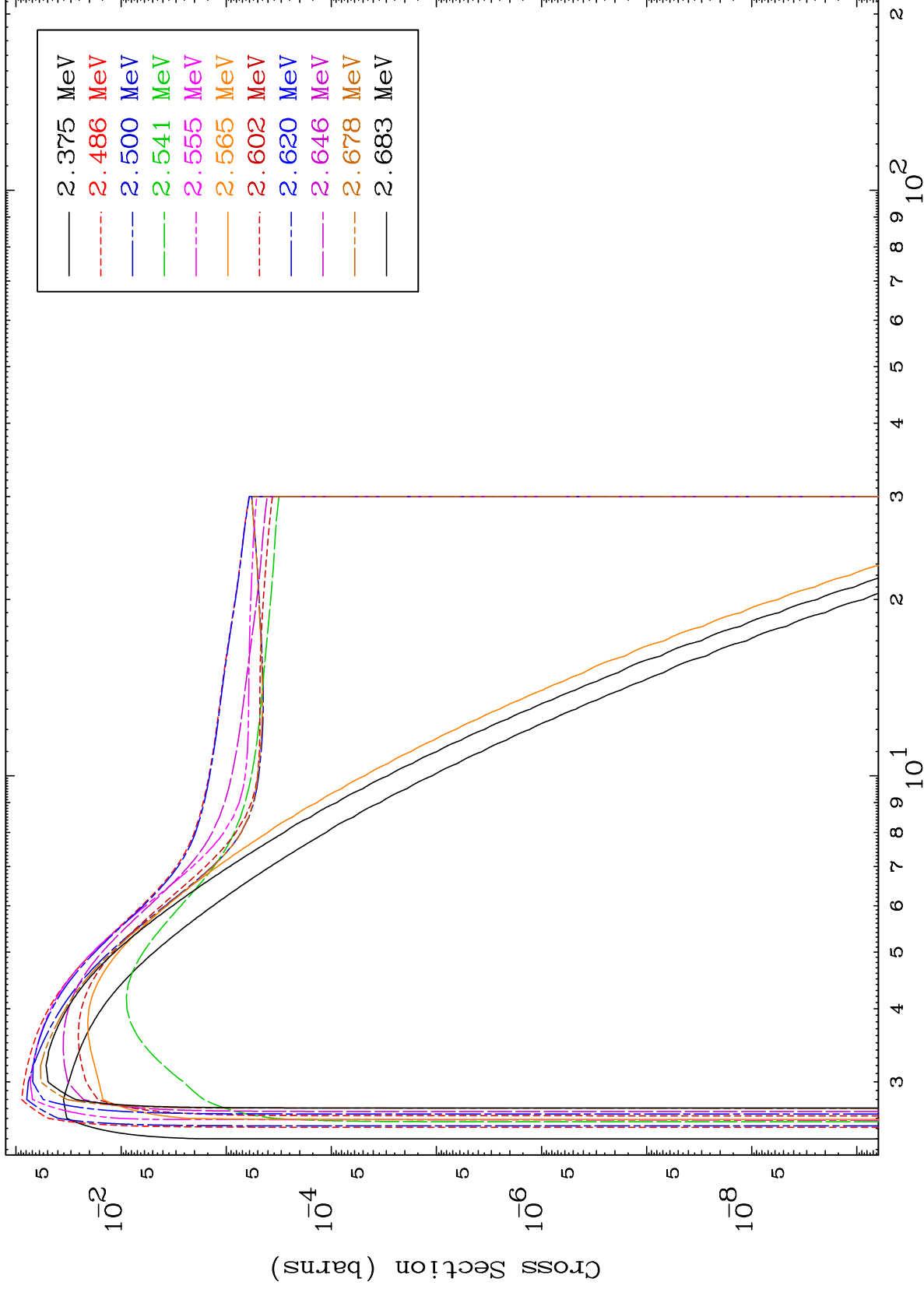
48-Cd-108

MAT 4831

(n,n') Level

48-Cd-108

293 Kelvin Cross Sections



8

Incident Energy (MeV)

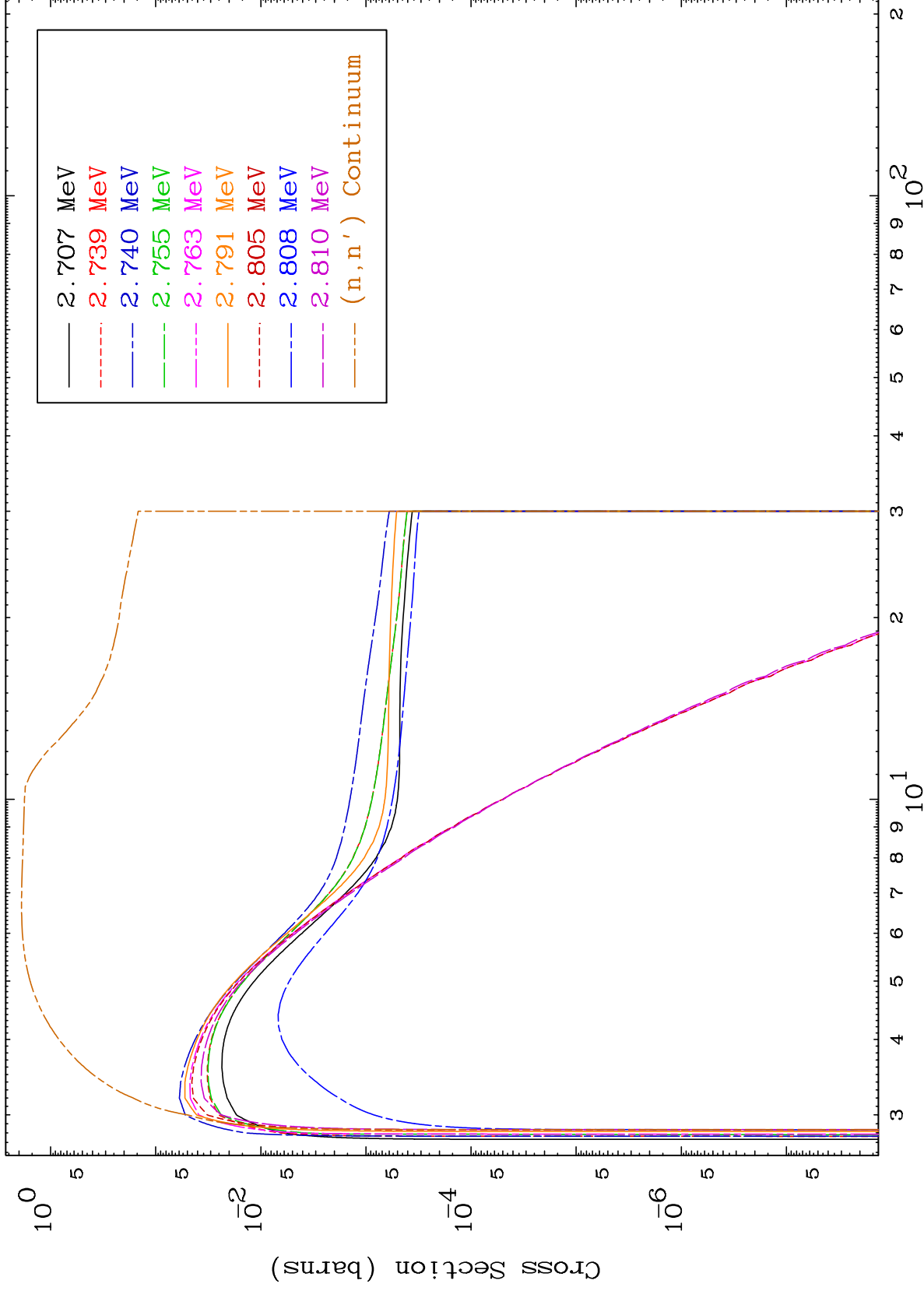
48-Cd-108

MAT 4831

(n,n') Level

48-Cd-108

293 Kelvin Cross Sections



9

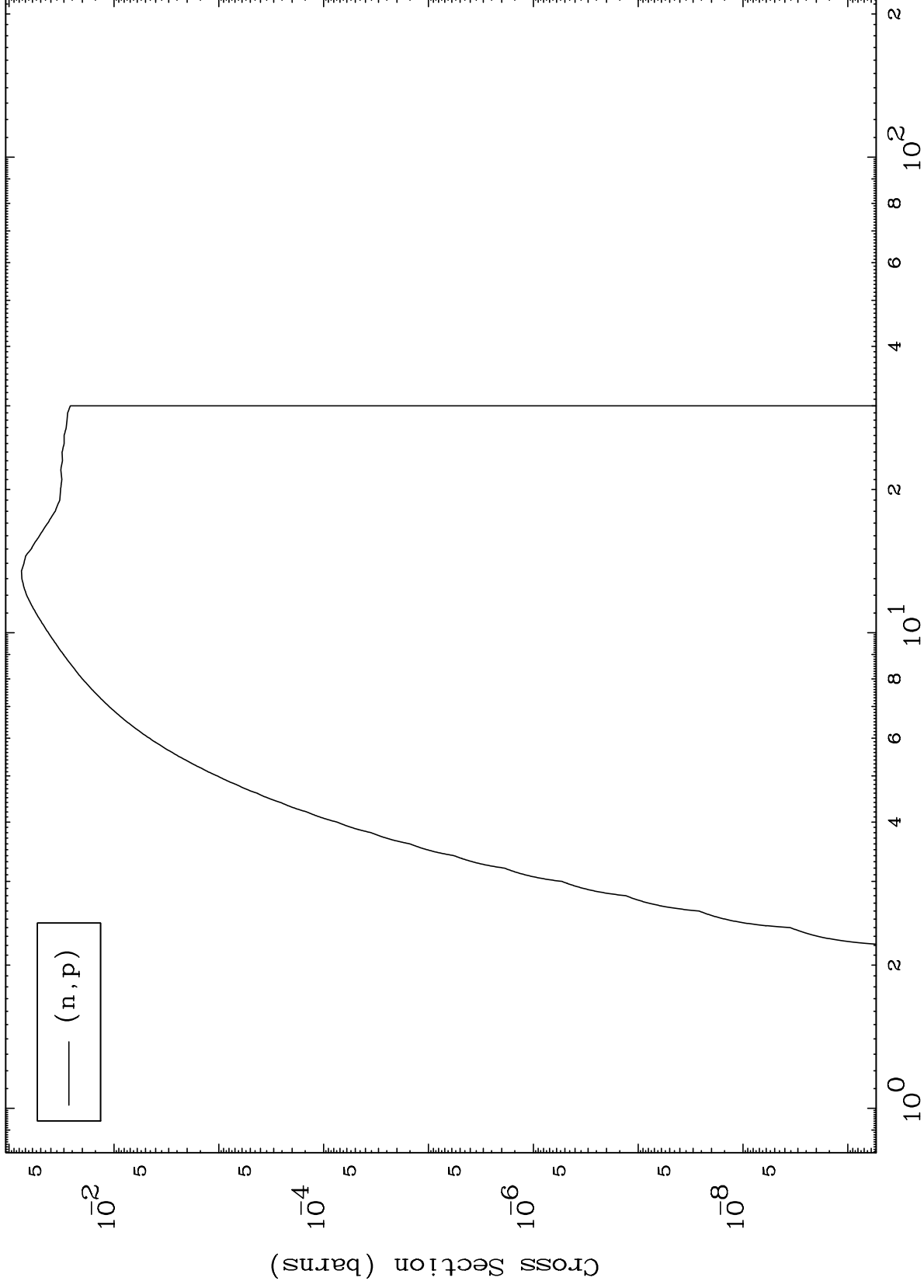
Incident Energy (MeV)

48-Cd-108

MAT 4831

(n,p) Levels
293 Kelvin Cross Sections

48-Cd-108



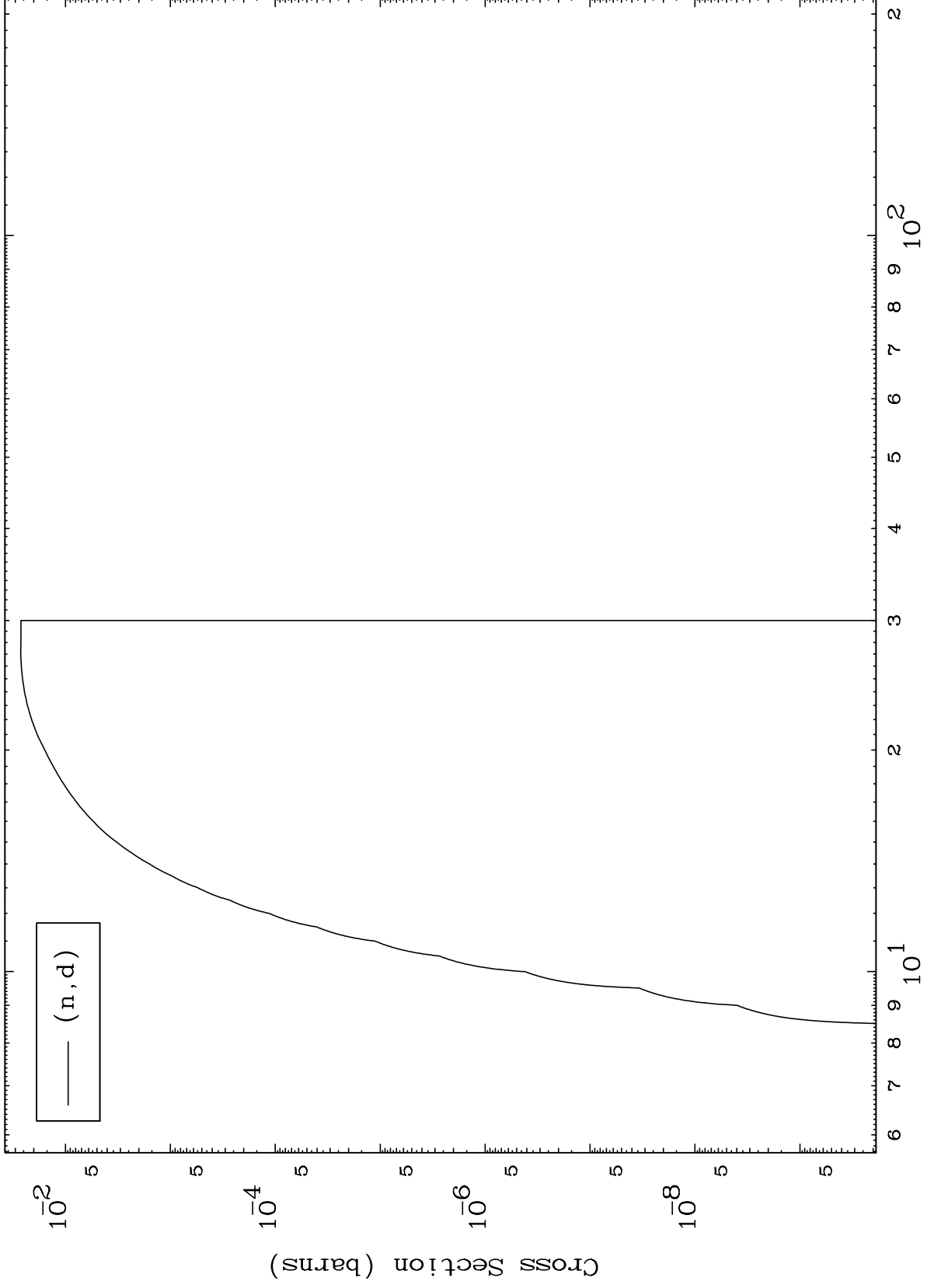
Incident Energy (MeV)

48-Cd-108

MAT 4831

(n,d) Levels
293 Kelvin Cross Sections

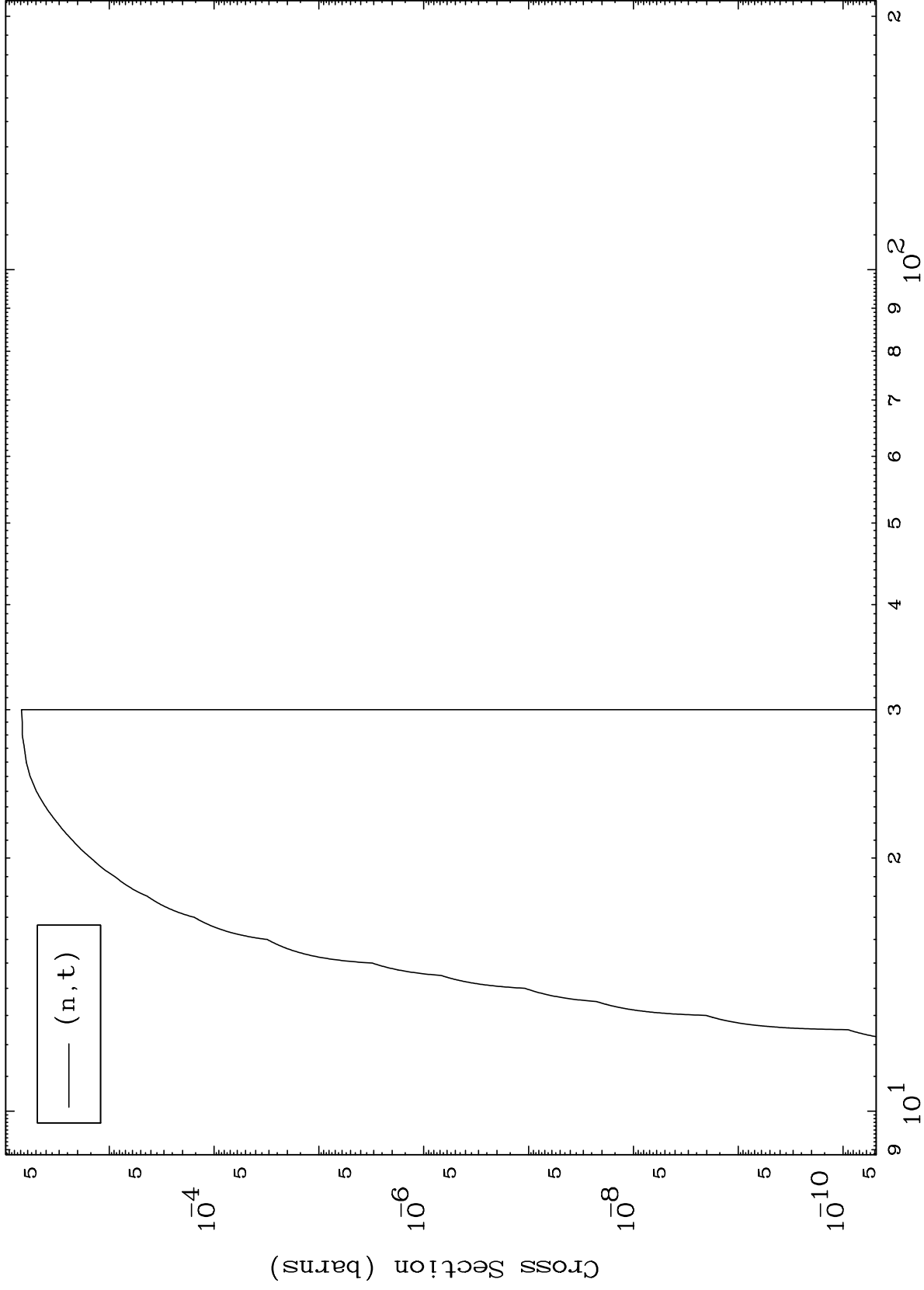
48-Cd-108



MAT 4831

(n,t) Levels
293 Kelvin Cross Sections

48-Cd-108



12

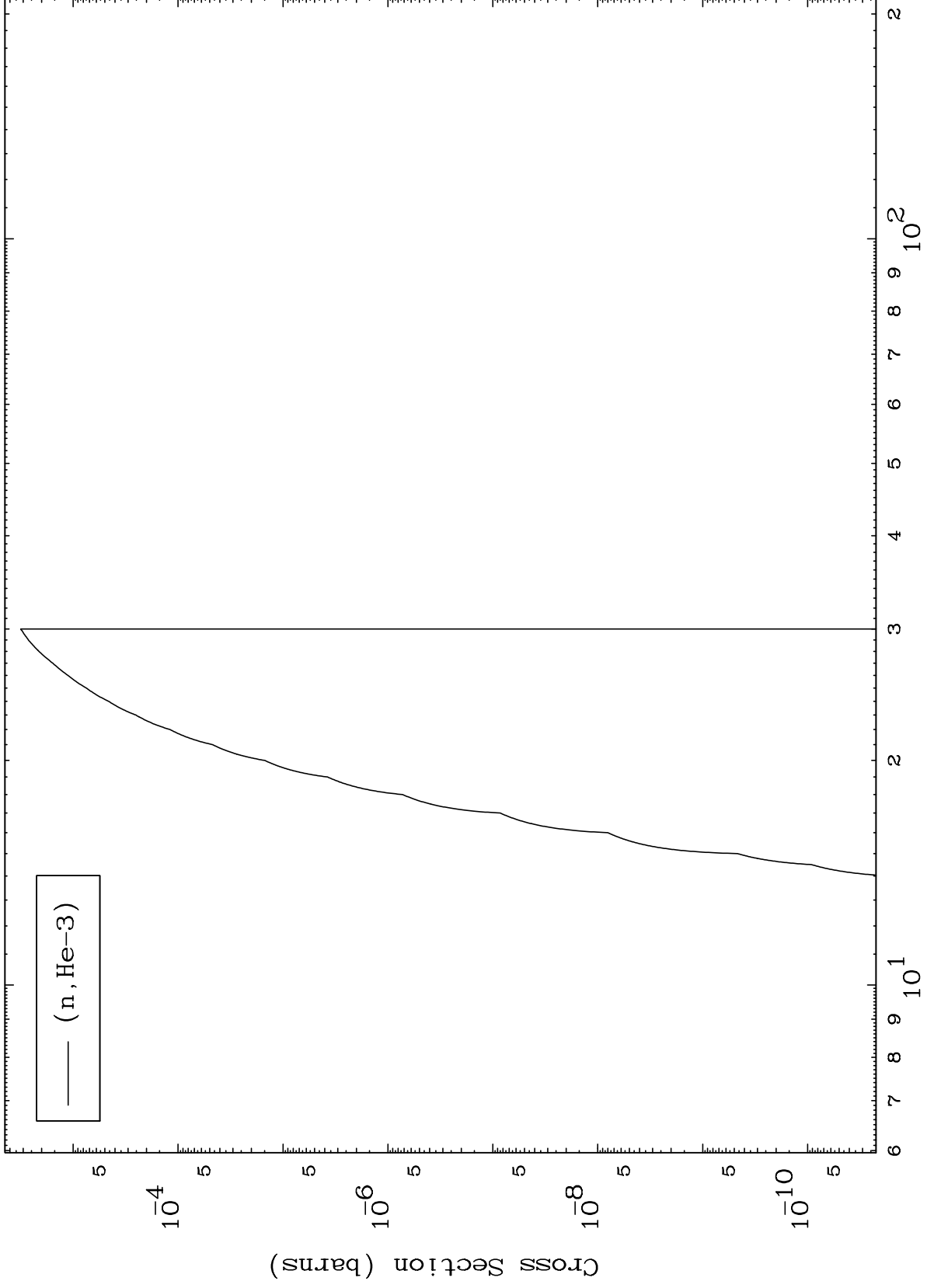
Incident Energy (MeV)

48-Cd-108

MAT 4831

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-108



13

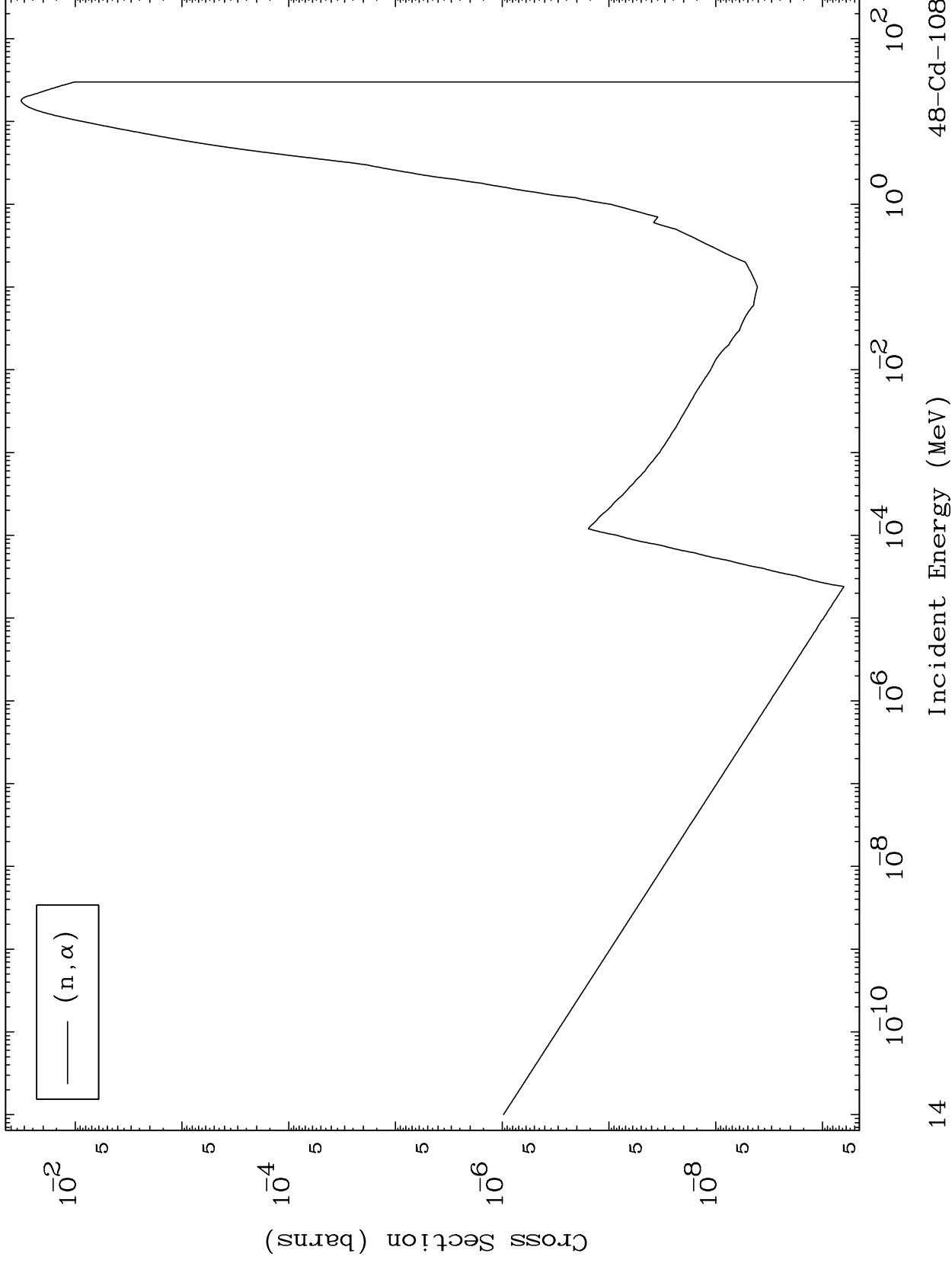
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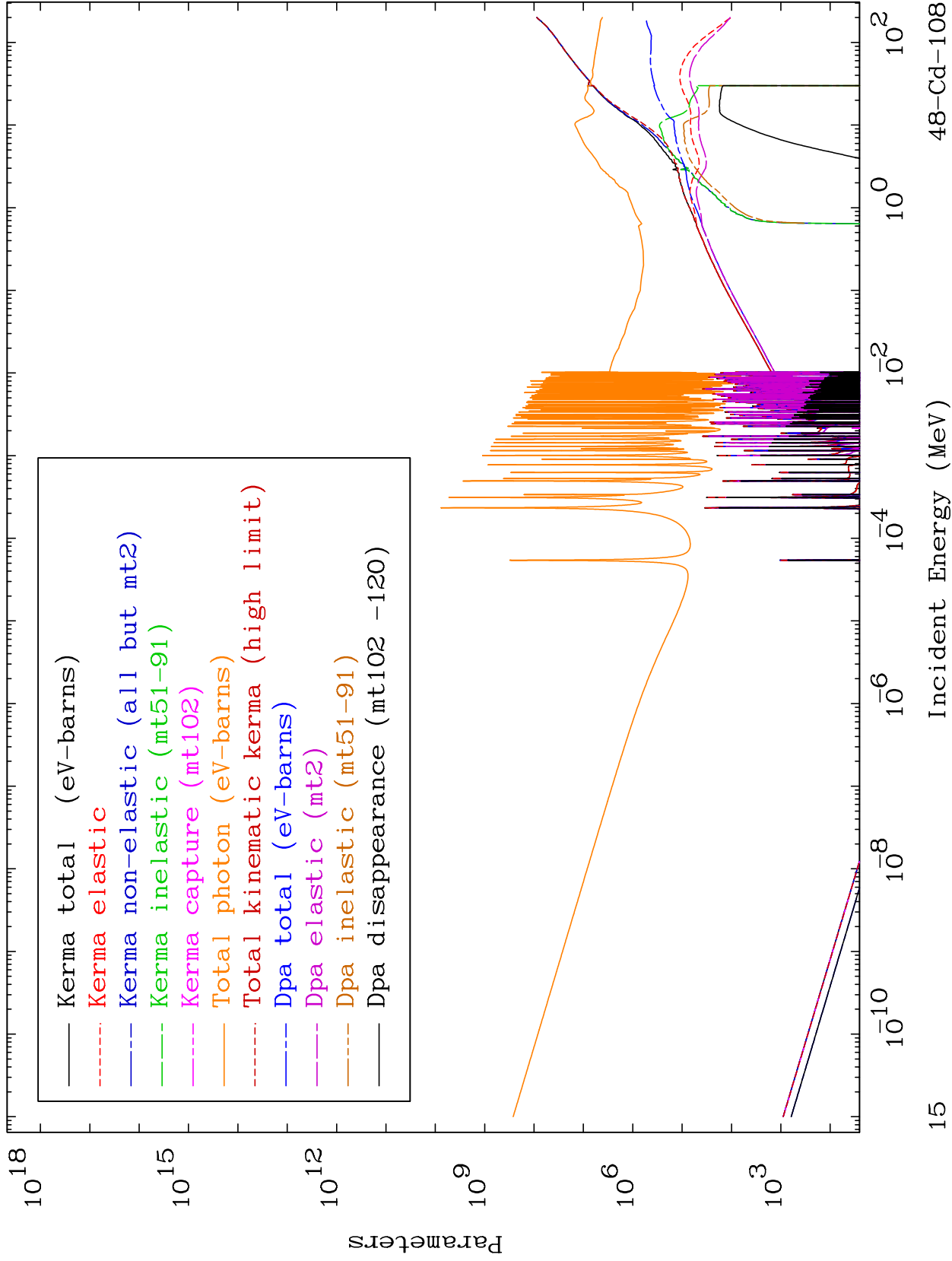
48-Cd-108

MAT 4831

(n, α) Levels
293 Kelvin Cross Sections

48-Cd-108

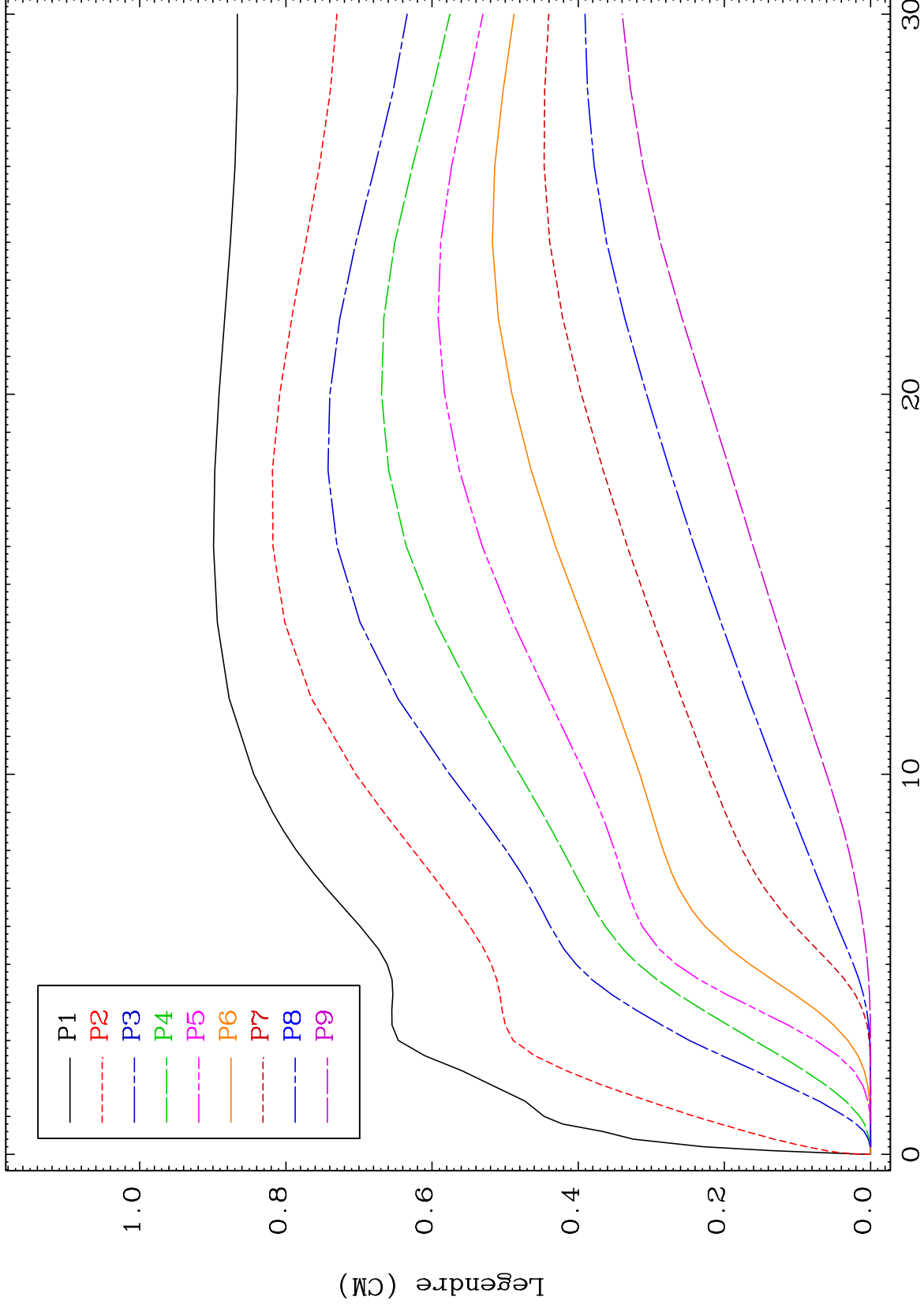




MAT 4831

Elastic Legendre Coefficients

48-Cd-108



16

Incident Energy (MeV)

48-Cd-108

30

20

10

0

1.0

0.8

0.6

0.4

0.2

0.0

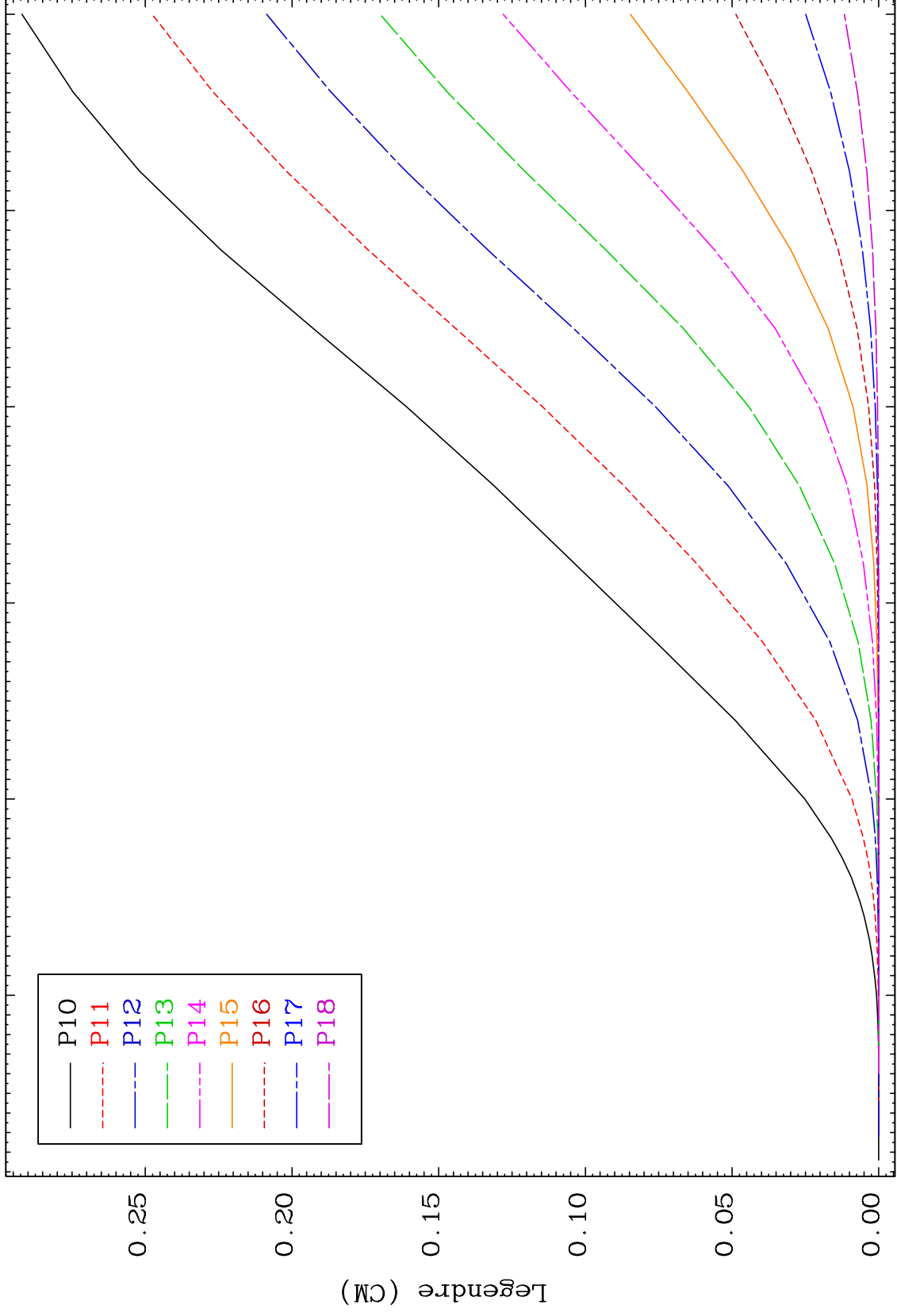
Legendre (CM)

- P1
- P2
- P3
- P4
- P5
- P6
- P7
- P8
- P9

MAT 4831

Elastic Legendre Coefficients

48-Cd-108



17

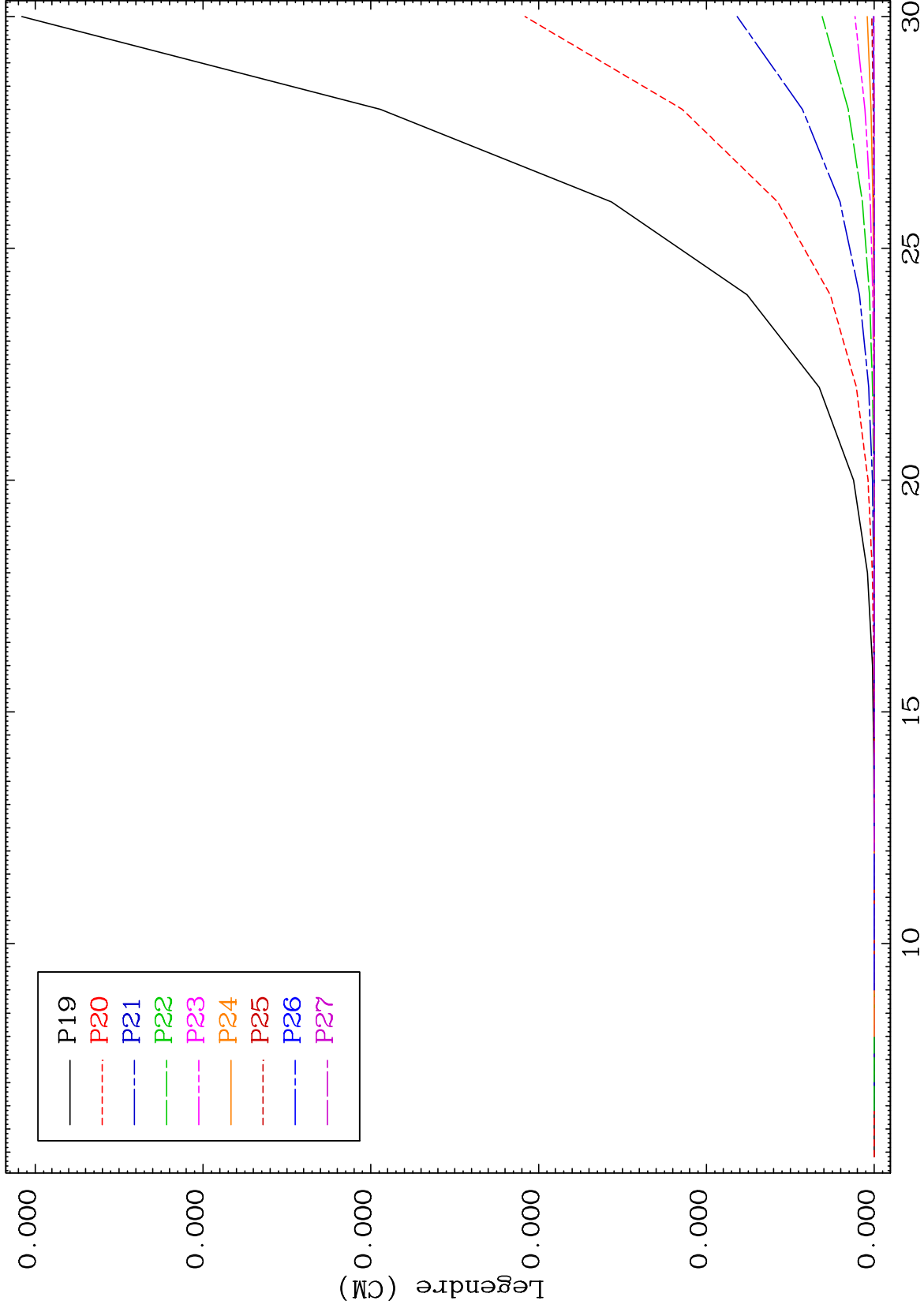
Incident Energy (MeV)

48-Cd-108

MAT 4831

Elastic Legendre Coefficients

48-Cd-108



18

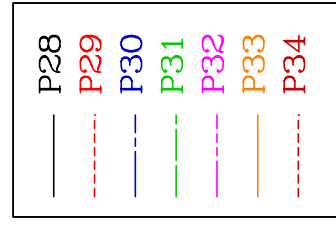
Incident Energy (MeV)

48-Cd-108

MAT 4831

Elastic Legendre Coefficients

48-Cd-108



$\times 10^{-72}$

Legendre (CM)

1

0

-1

15

20

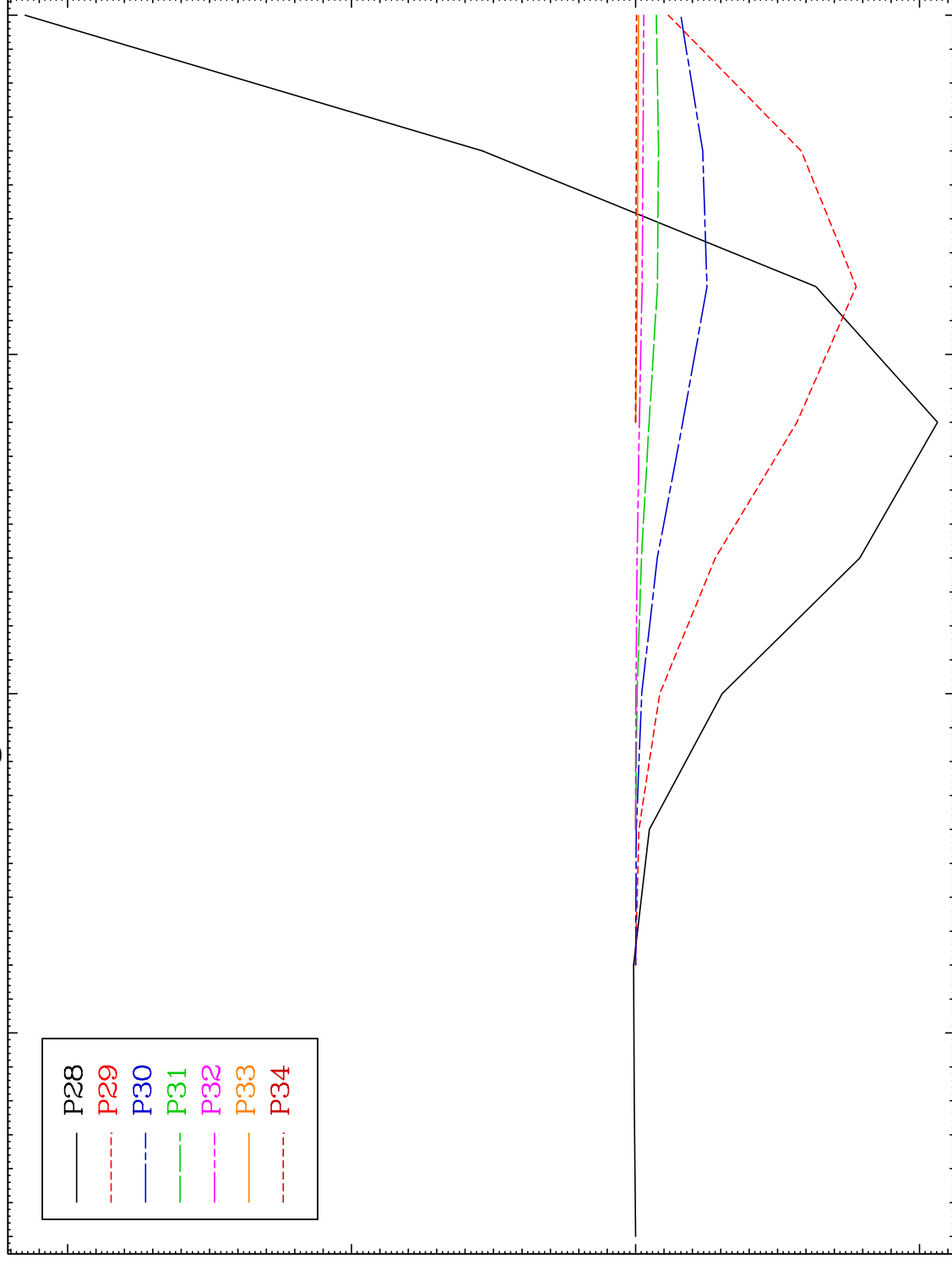
25

30

19

Incident Energy (MeV)

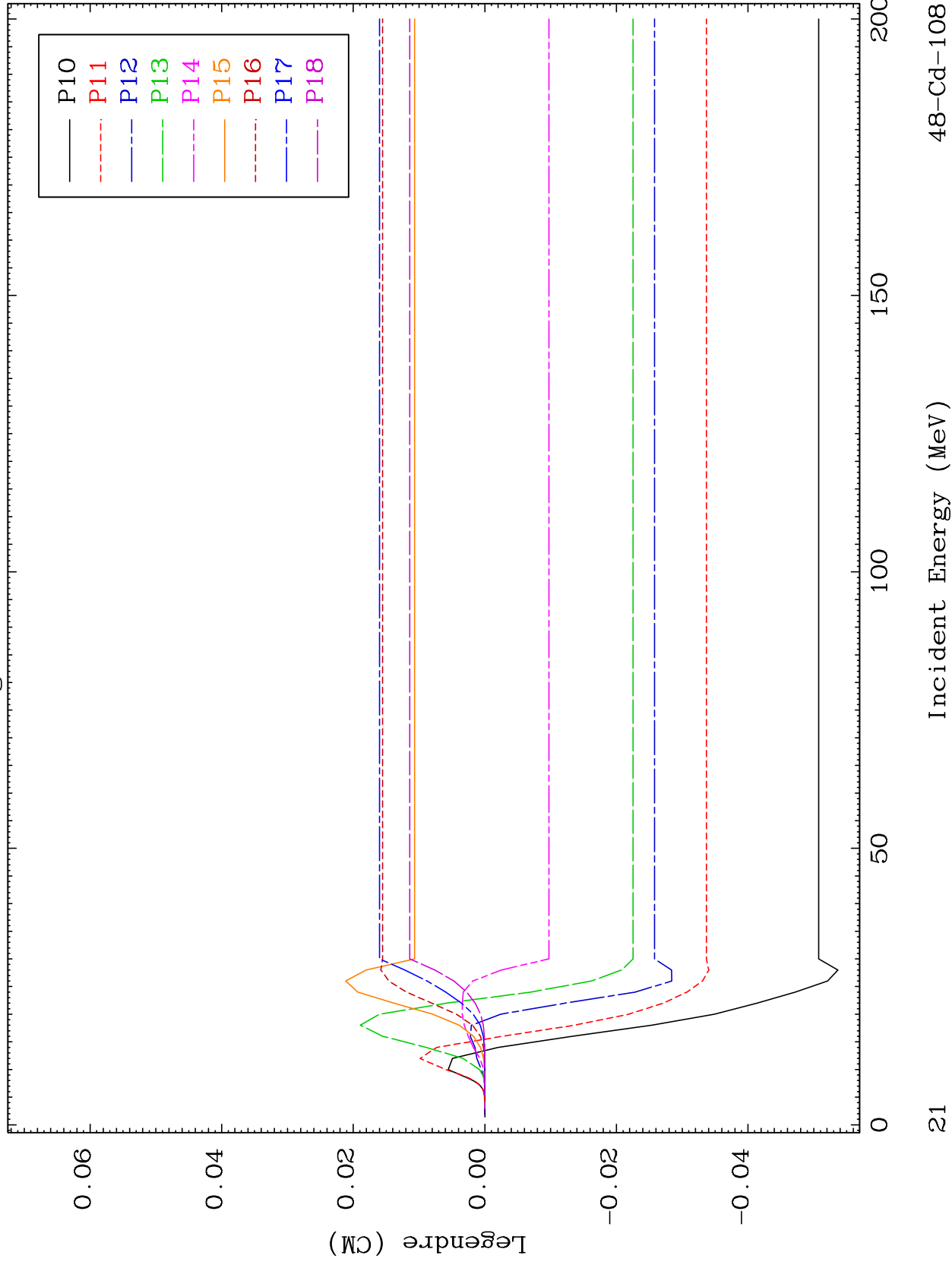
48-Cd-108



MAT 4831

633.0 keV (n,n') Level
Legendre Coefficients

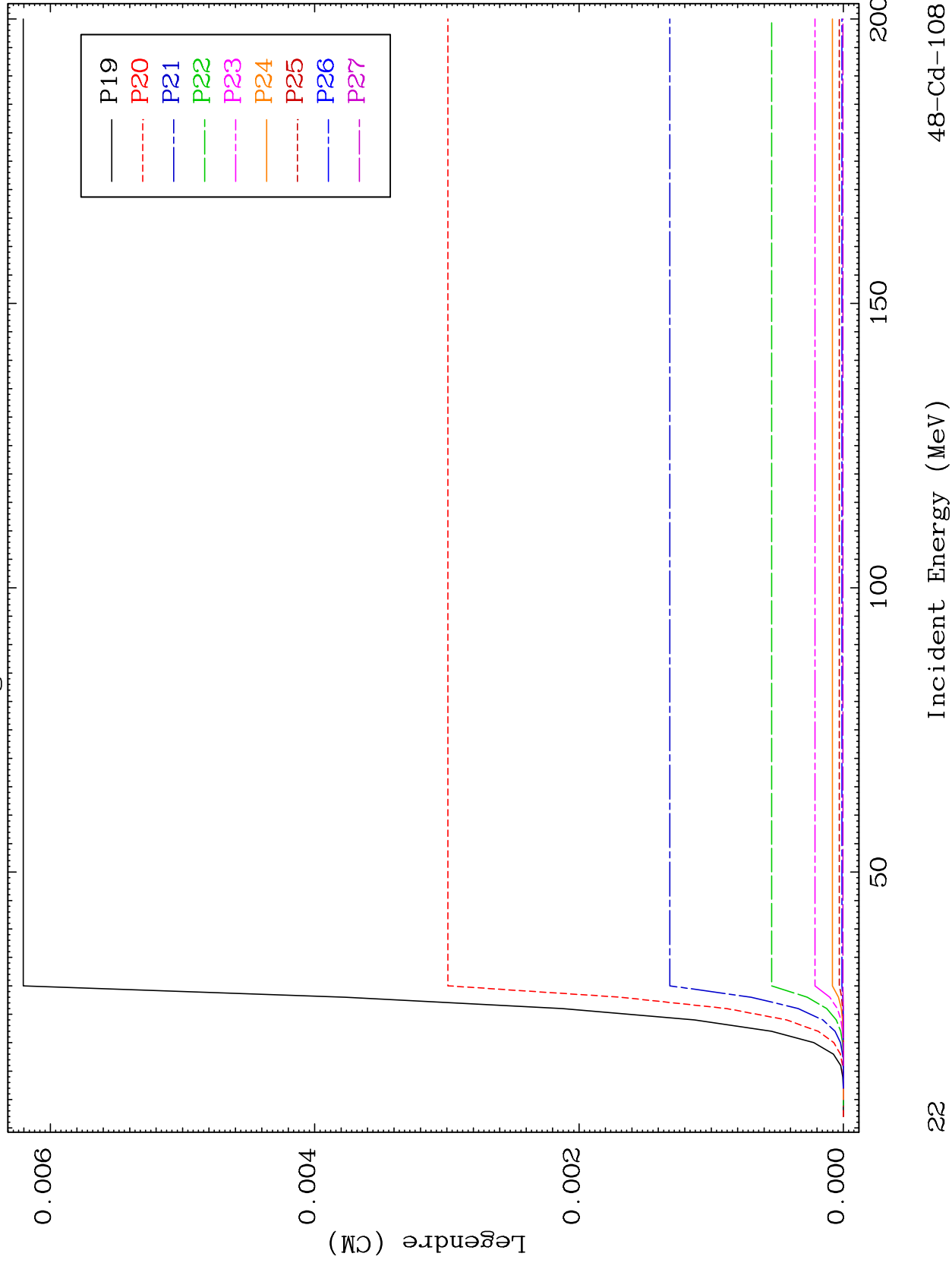
48-Cd-108



MAT 4831

633.0 keV (n,n') Level
Legendre Coefficients

48-Cd-108



22

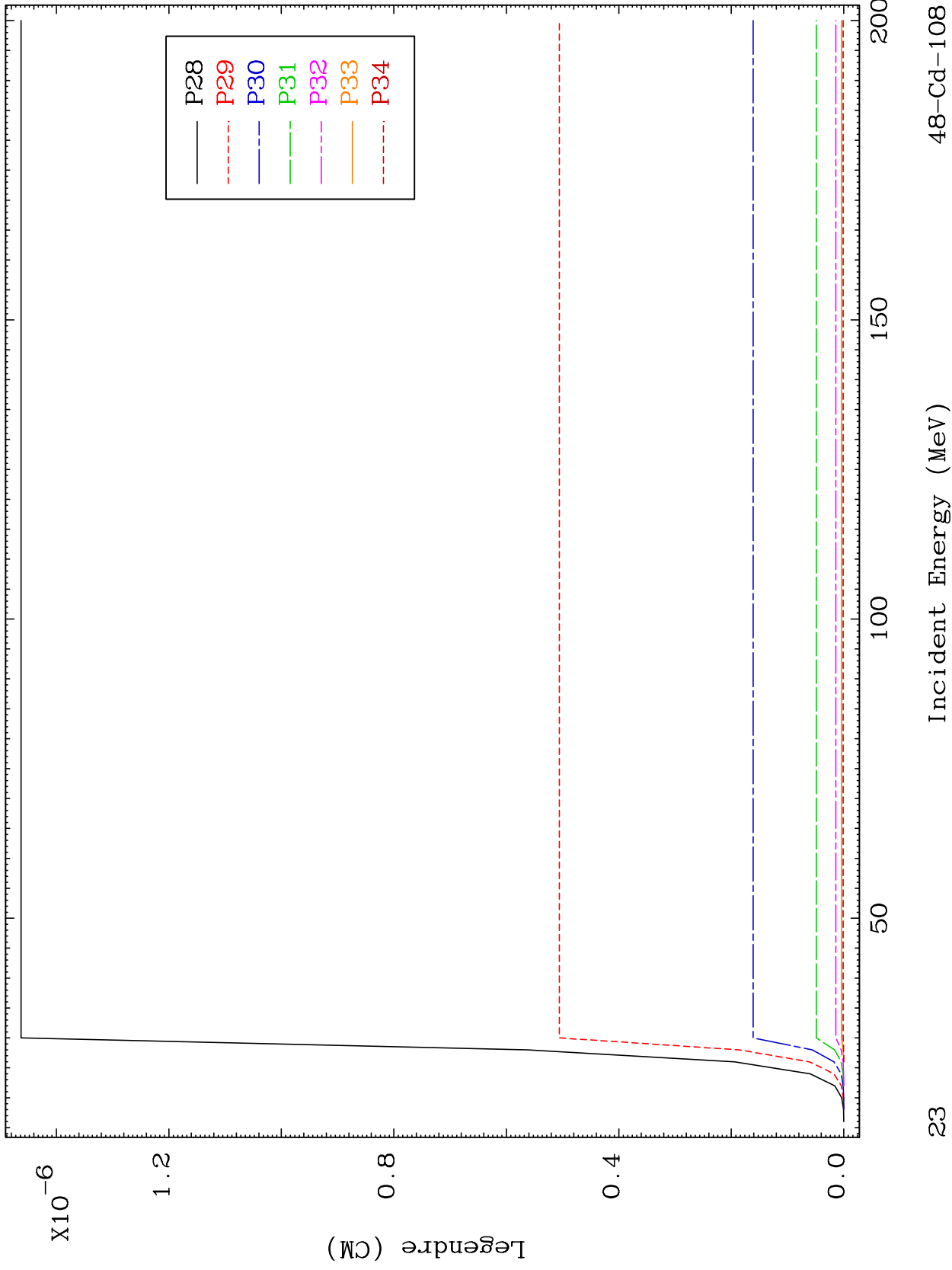
Incident Energy (MeV)

48-Cd-108

MAT 4831

633.0 keV (n,n') Level
Legendre Coefficients

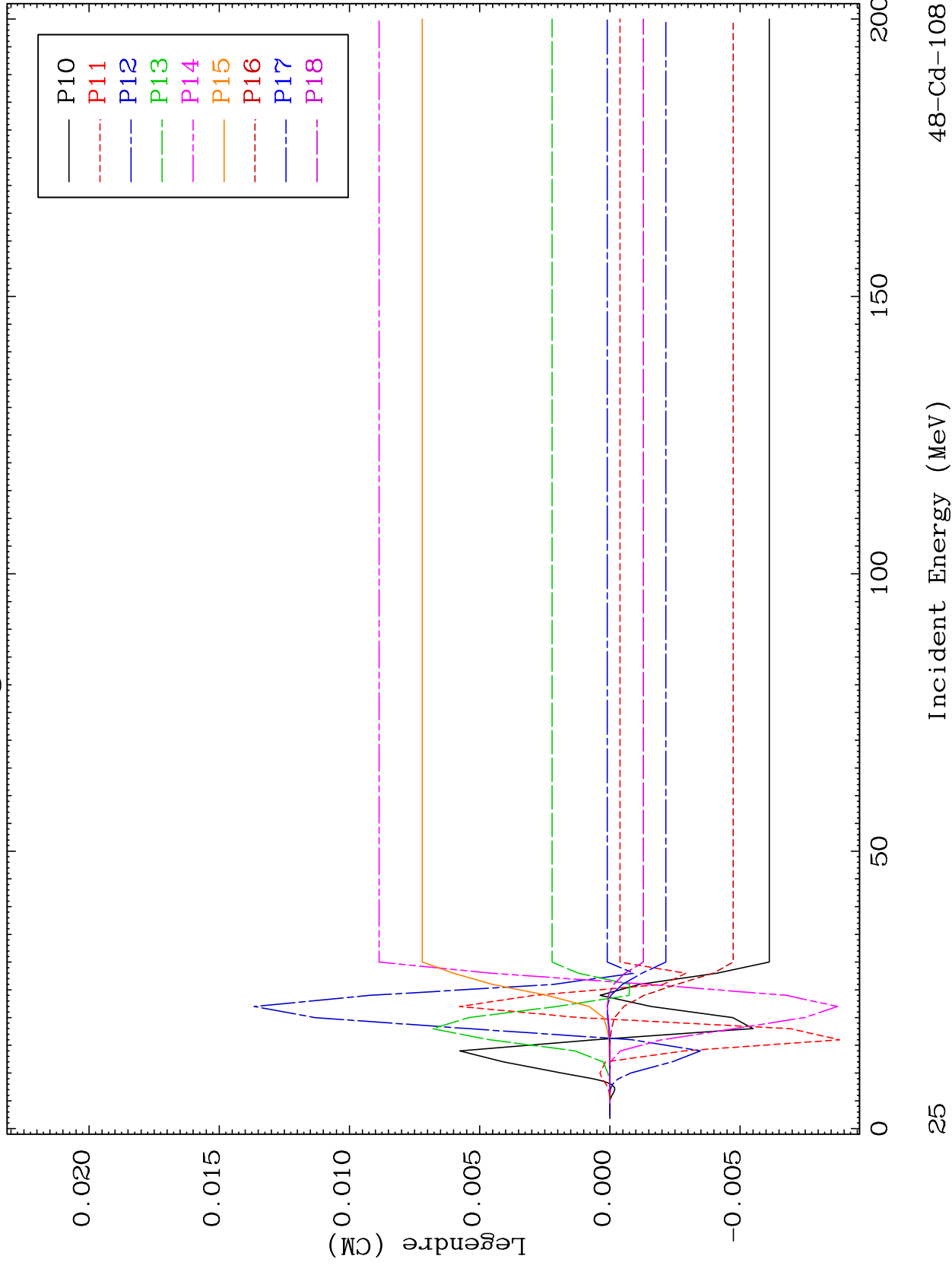
48-Cd-108



MAT 4831

1.508 MeV (n,n') Level
Legendre Coefficients

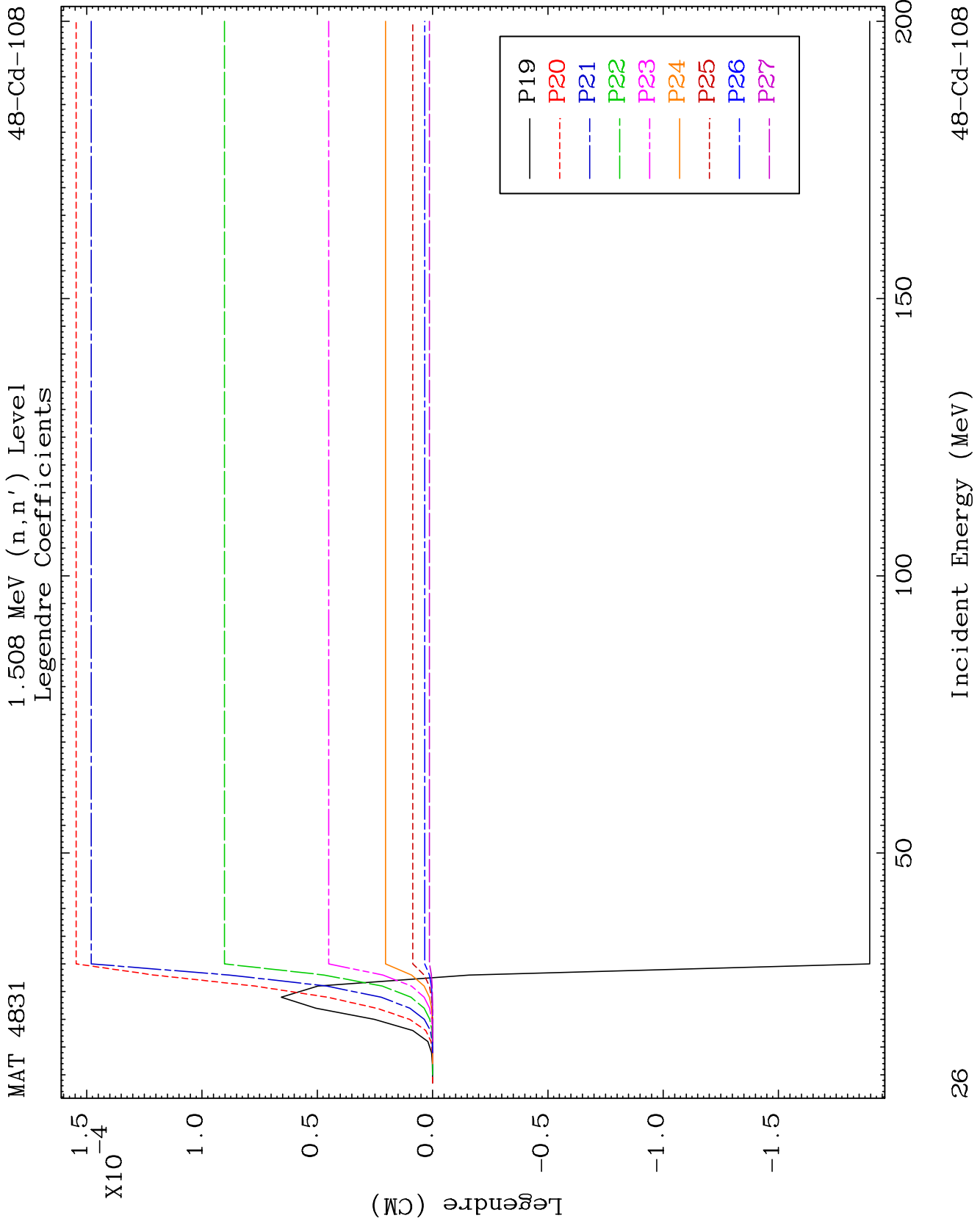
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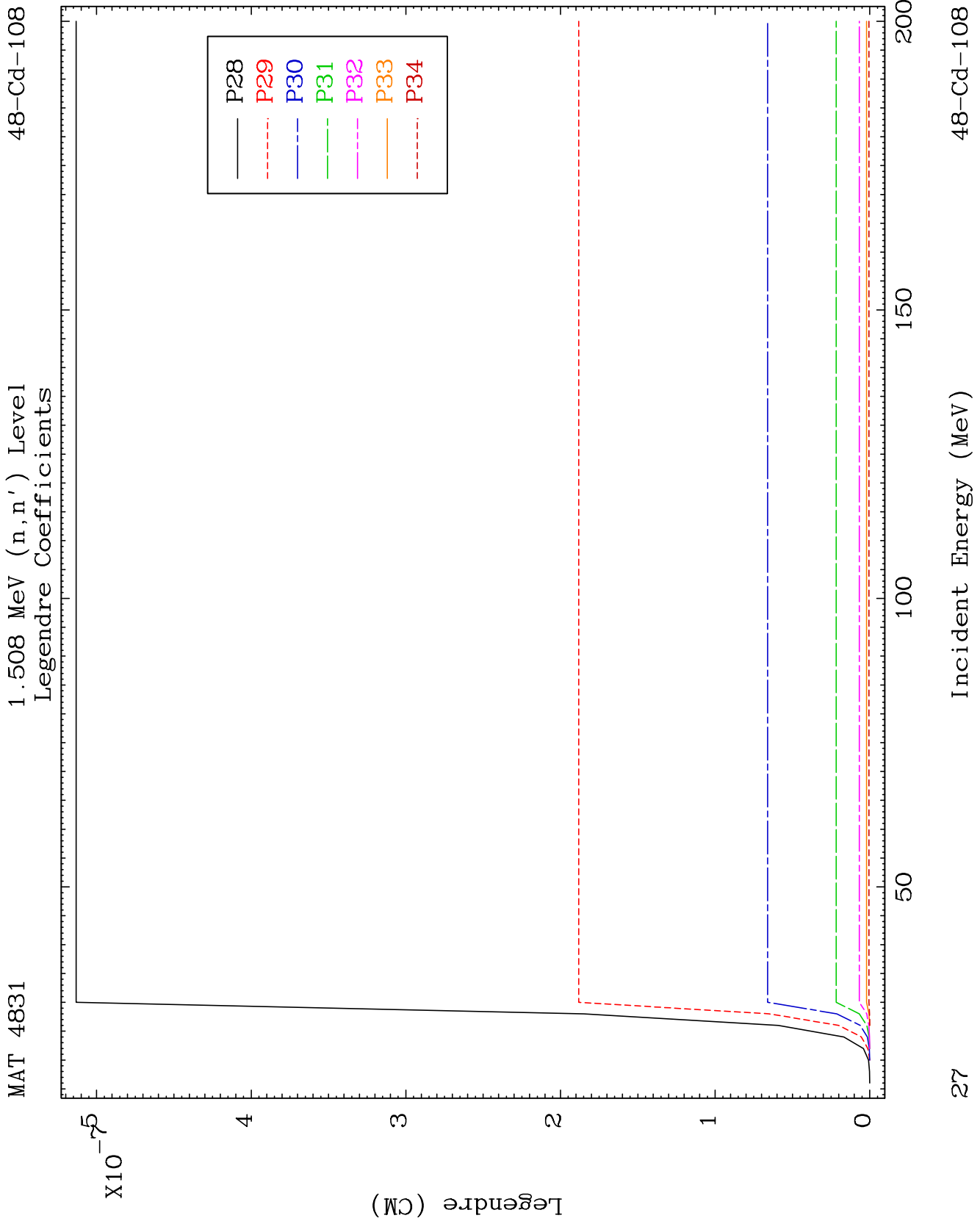


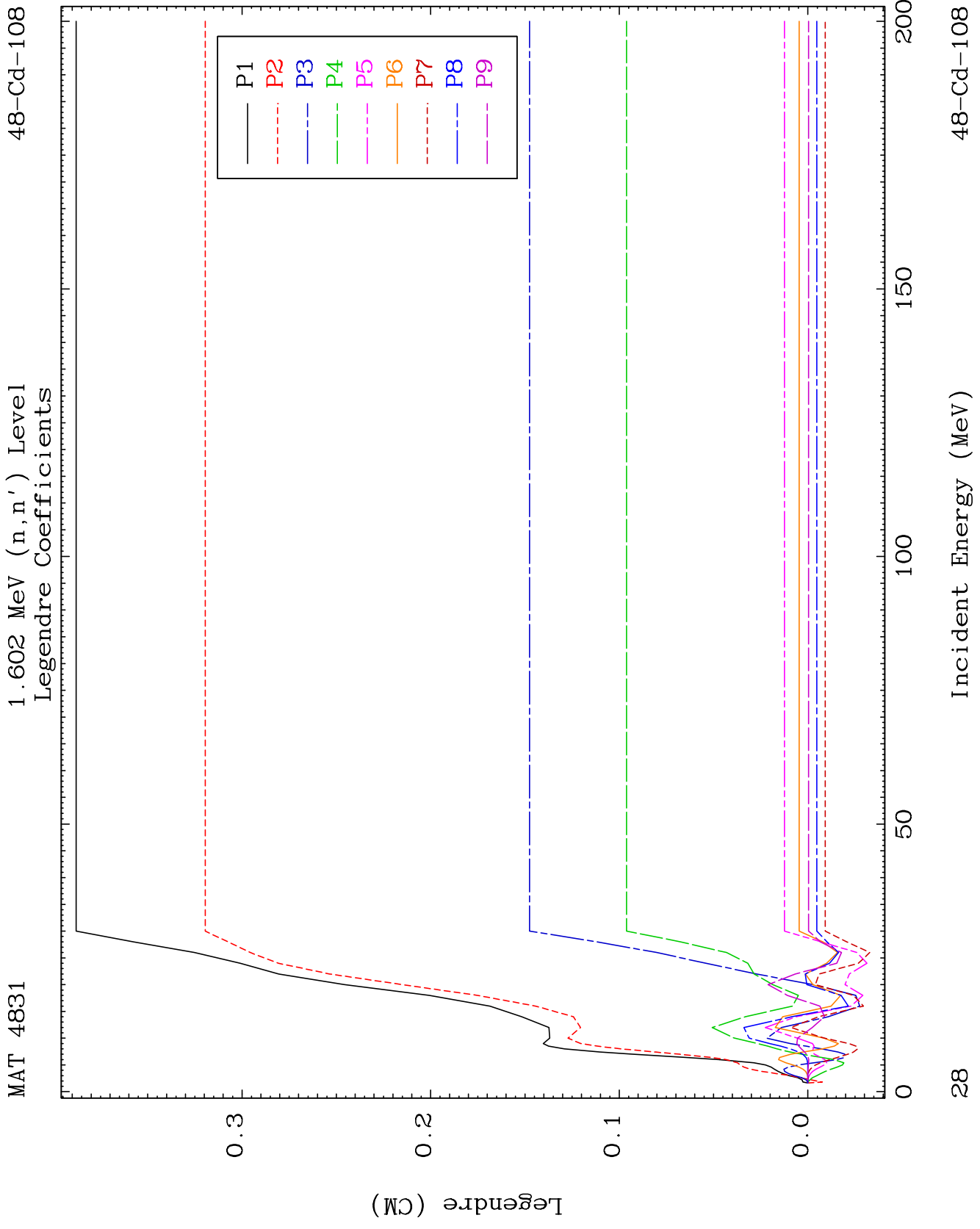
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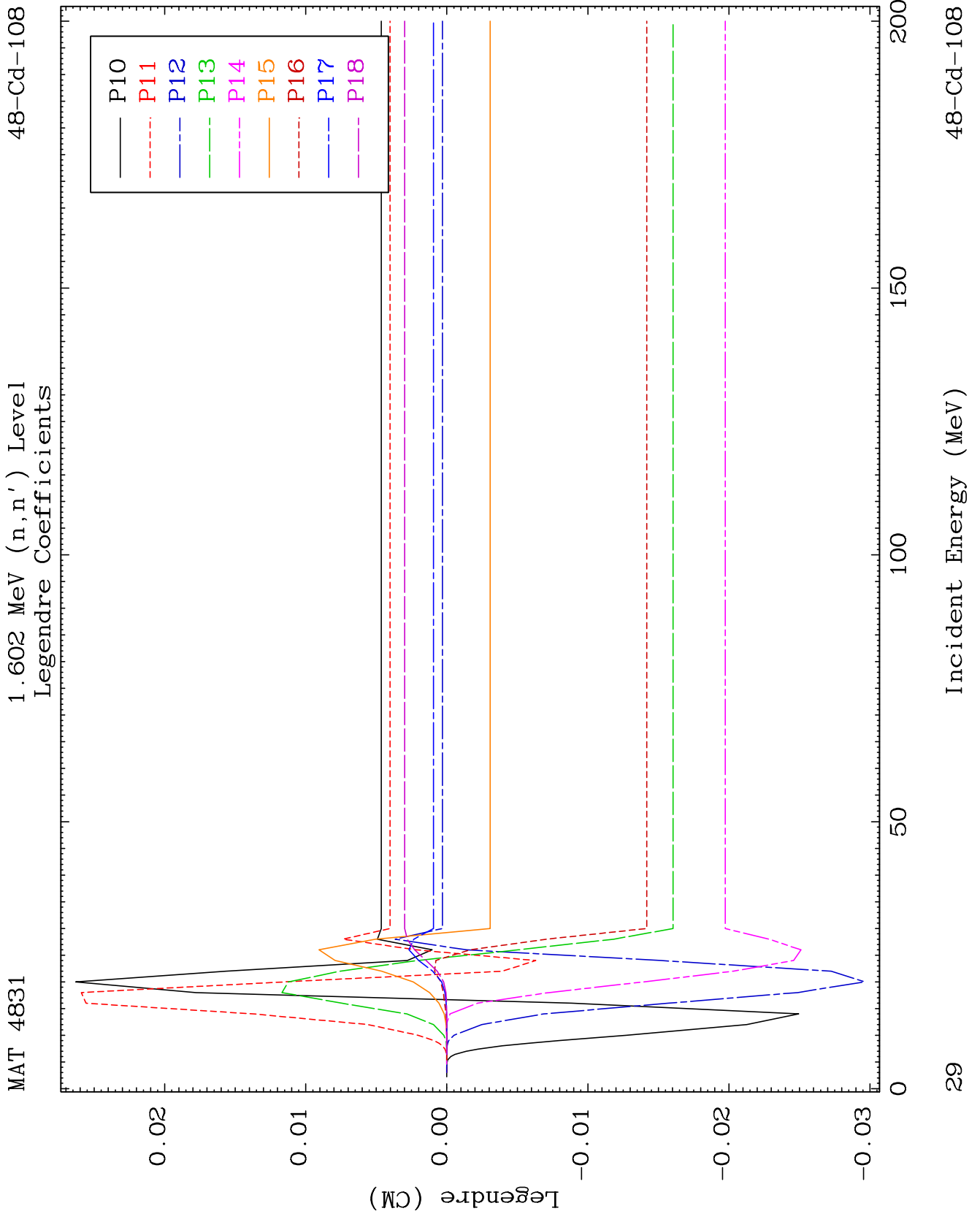
Incident Energy (MeV)

25





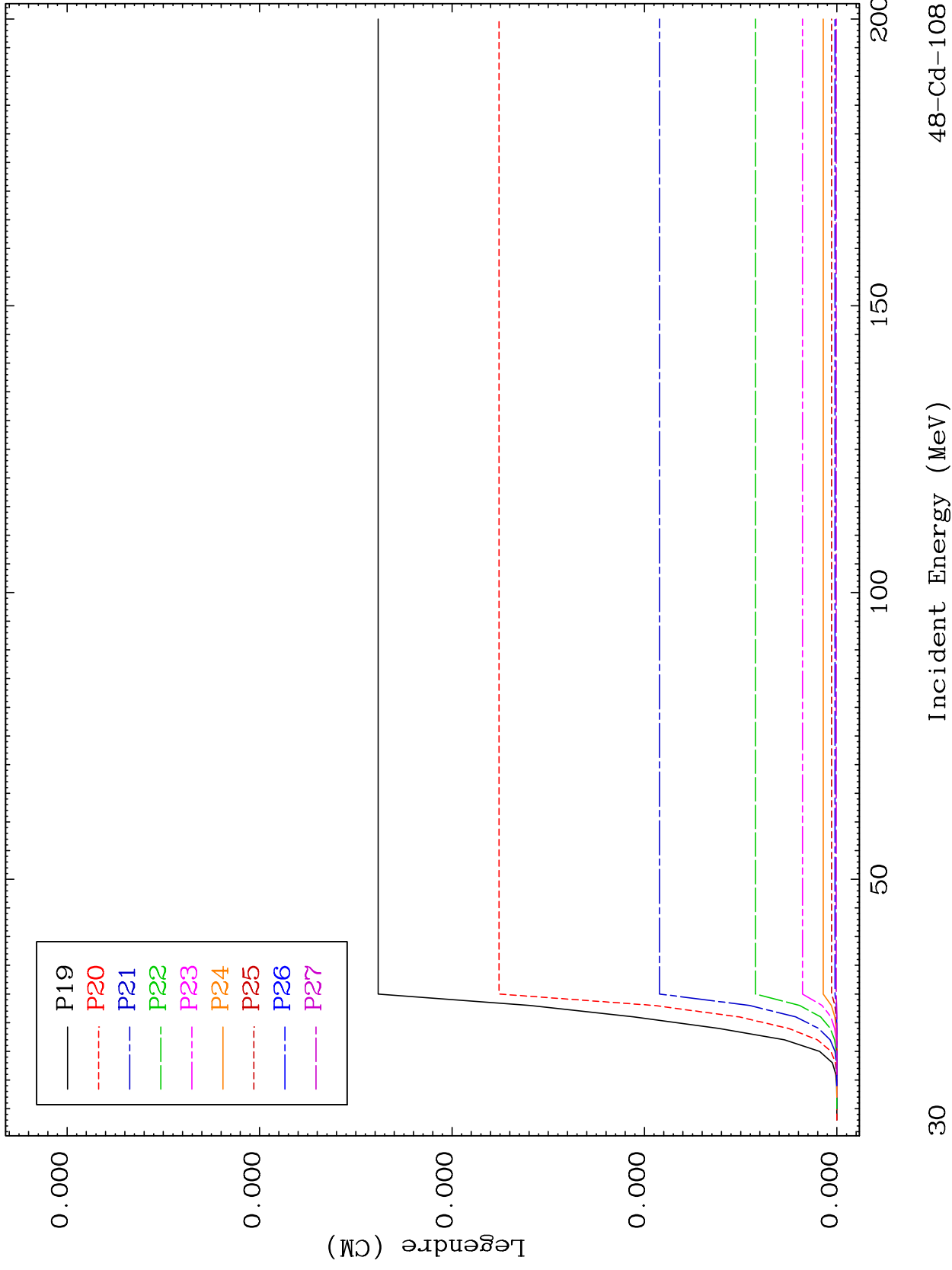




MAT 4831

1.602 MeV (n,n') Level
Legendre Coefficients

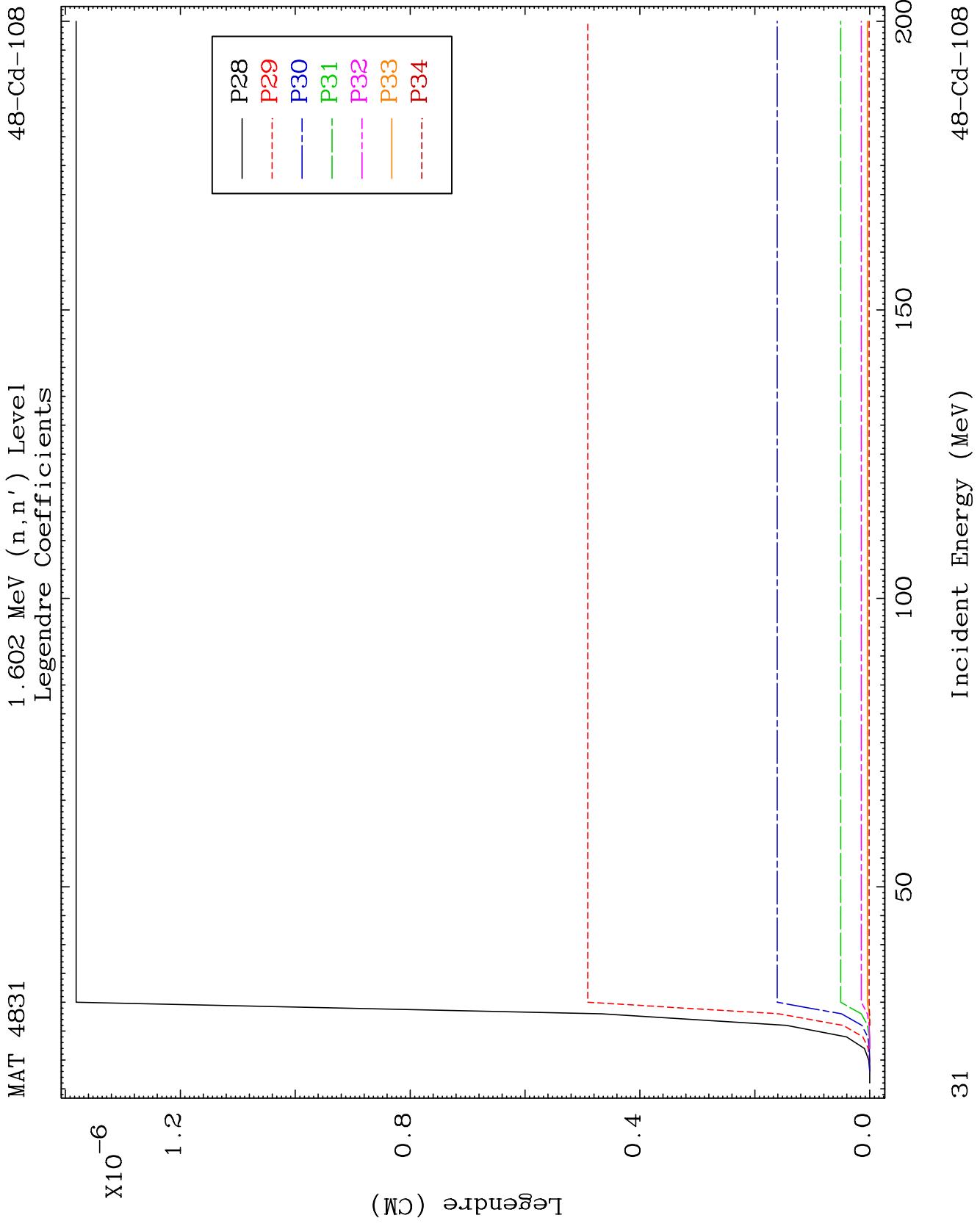
48-Cd-108

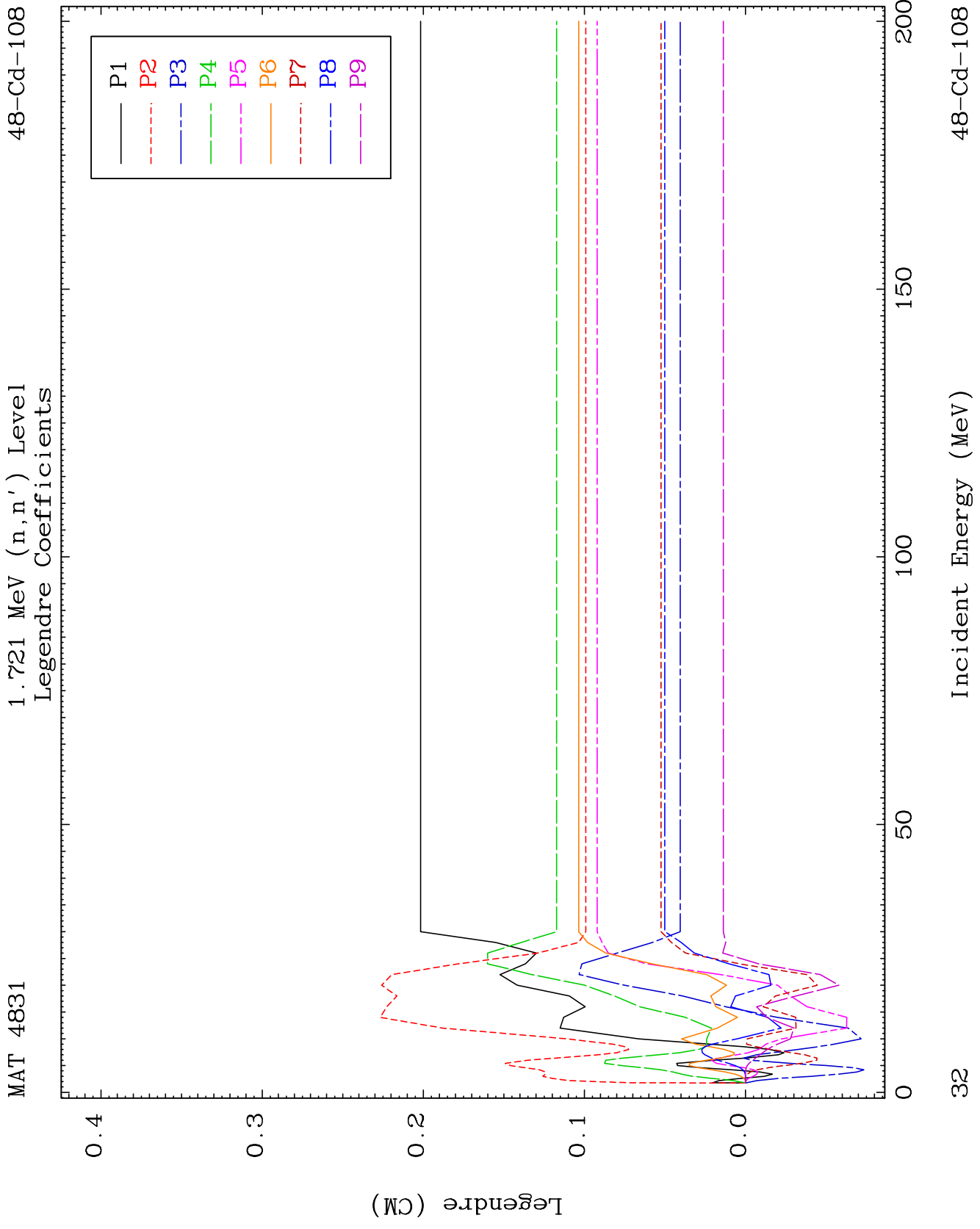


30

Incident Energy (MeV)

48-Cd-108

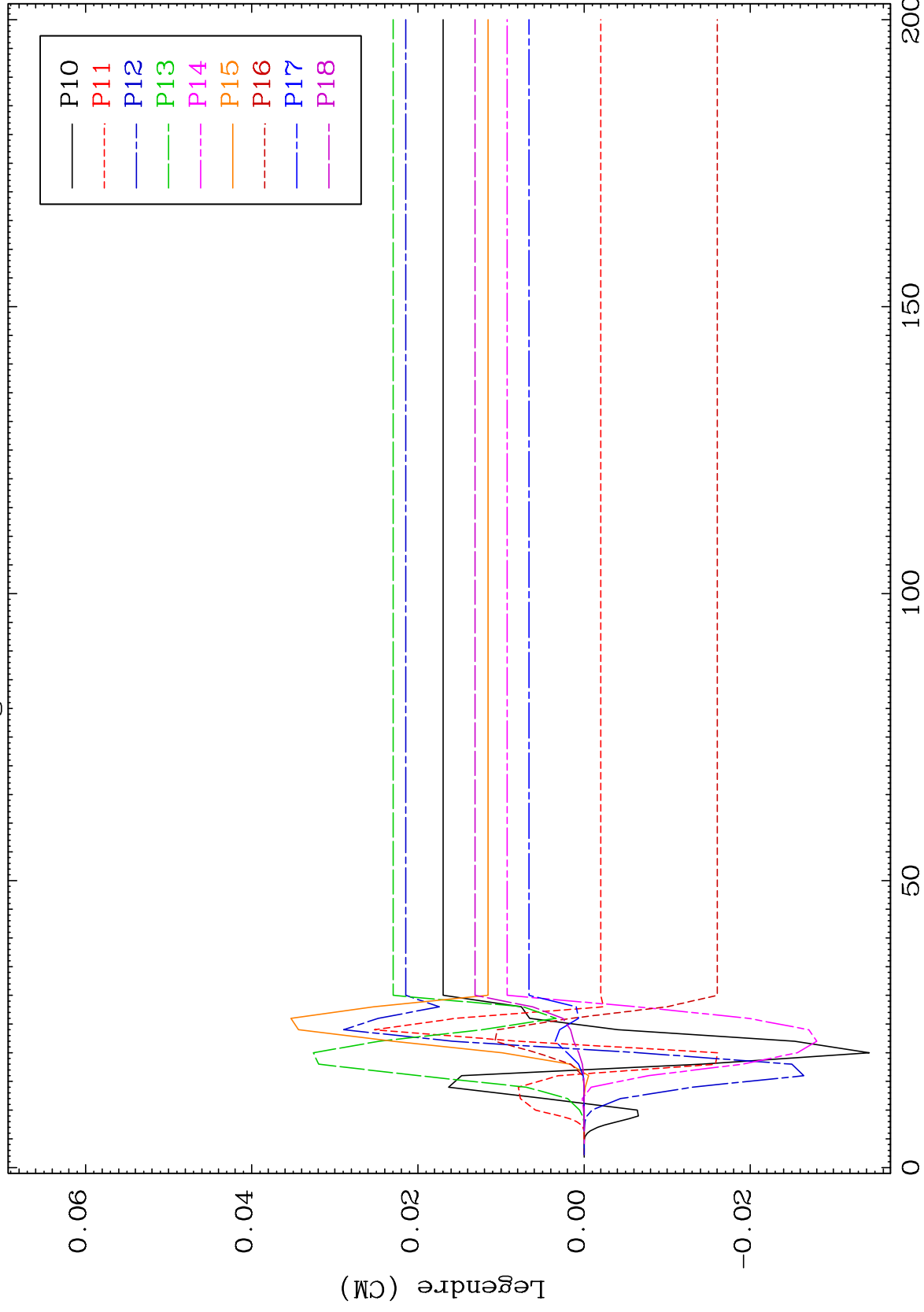




MAT 4831

1.721 MeV (n,n') Level
Legendre Coefficients

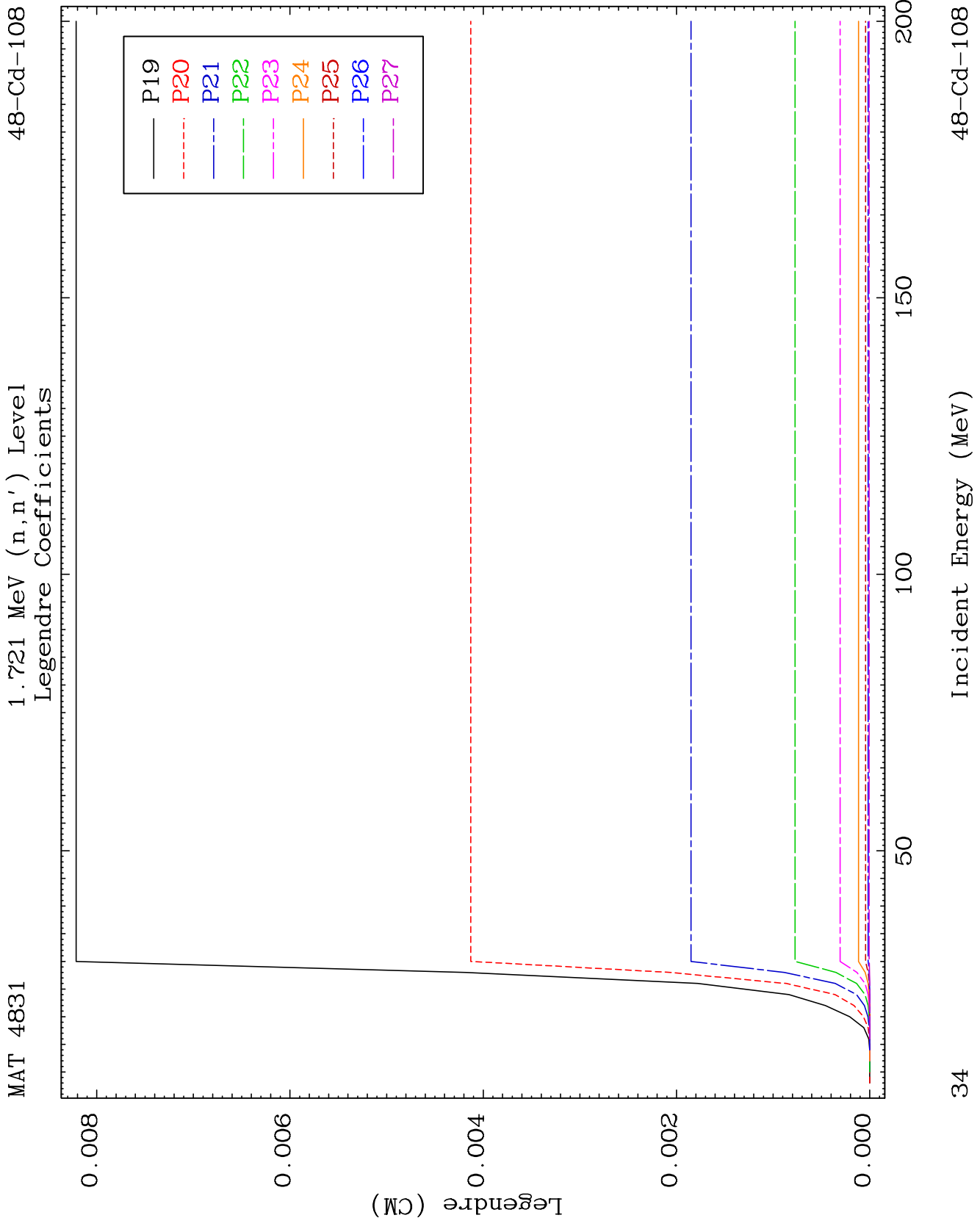
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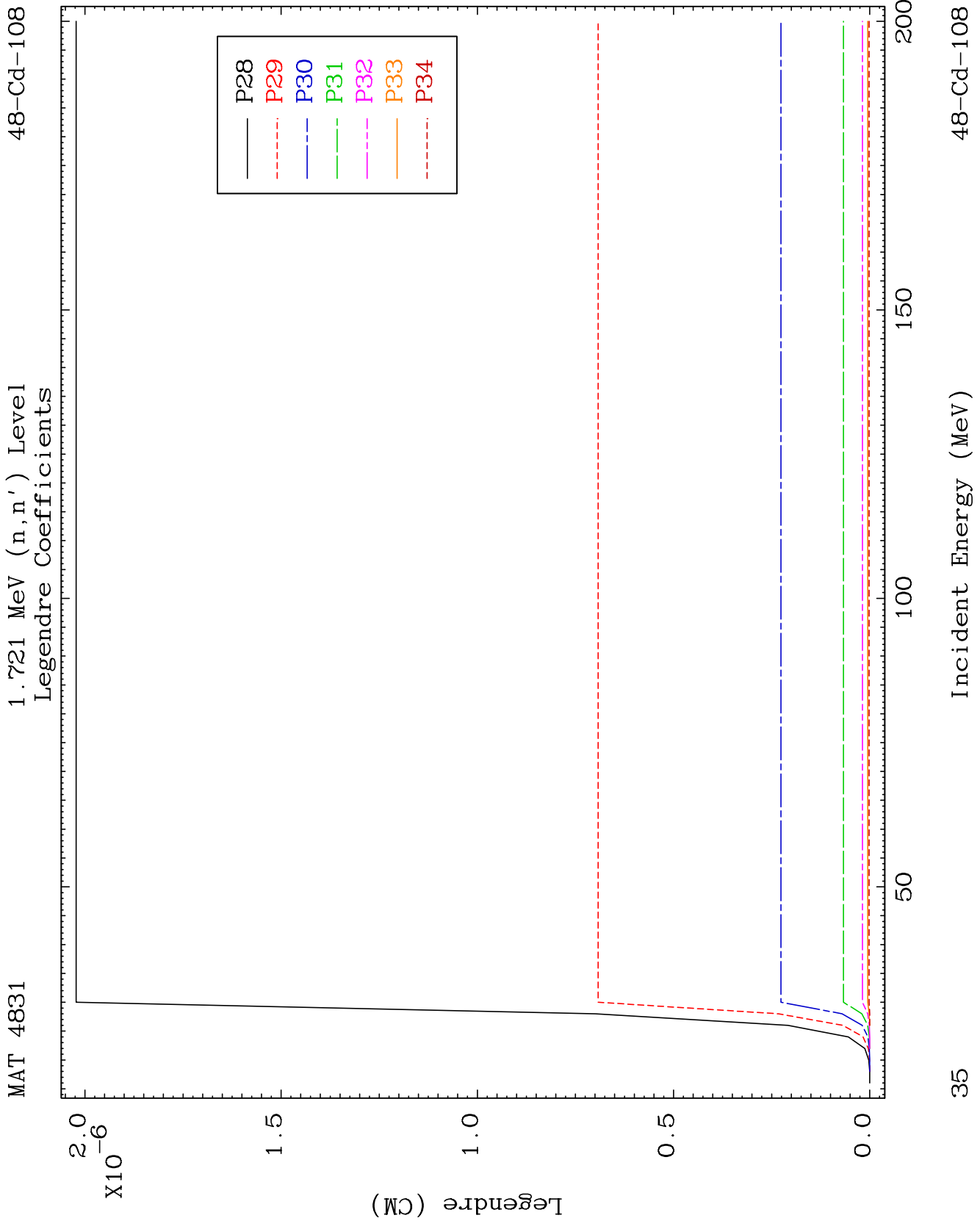


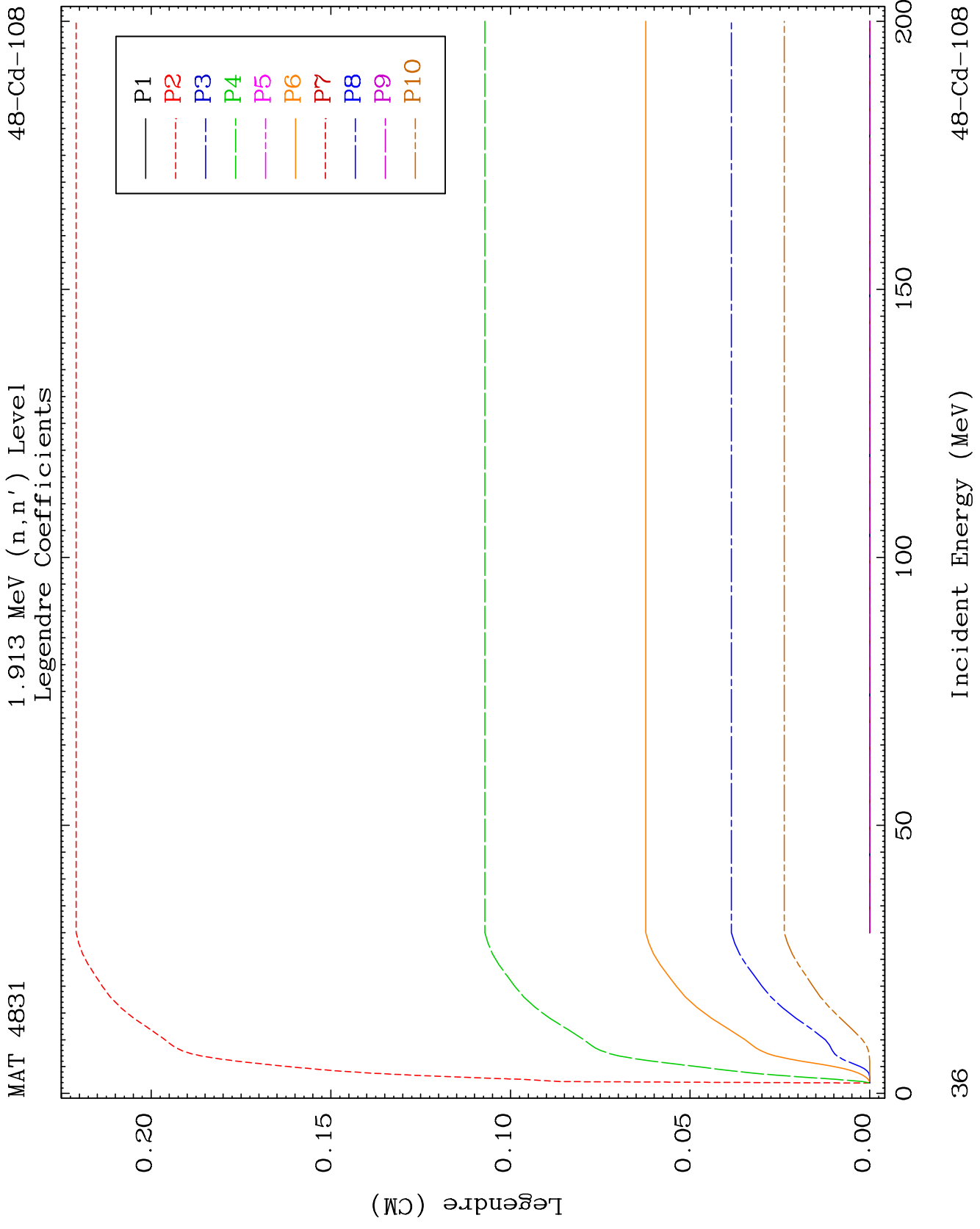
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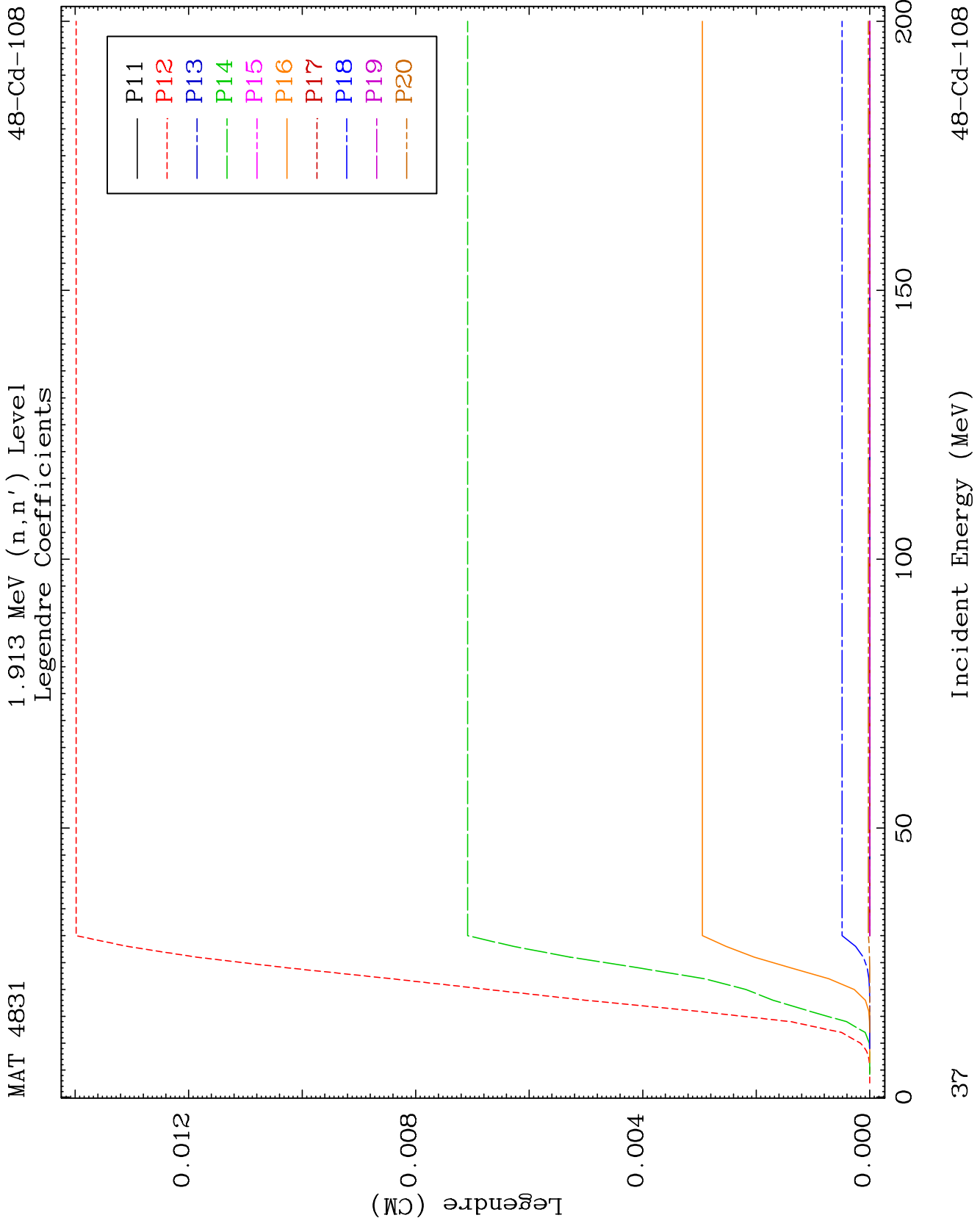
Incident Energy (MeV)

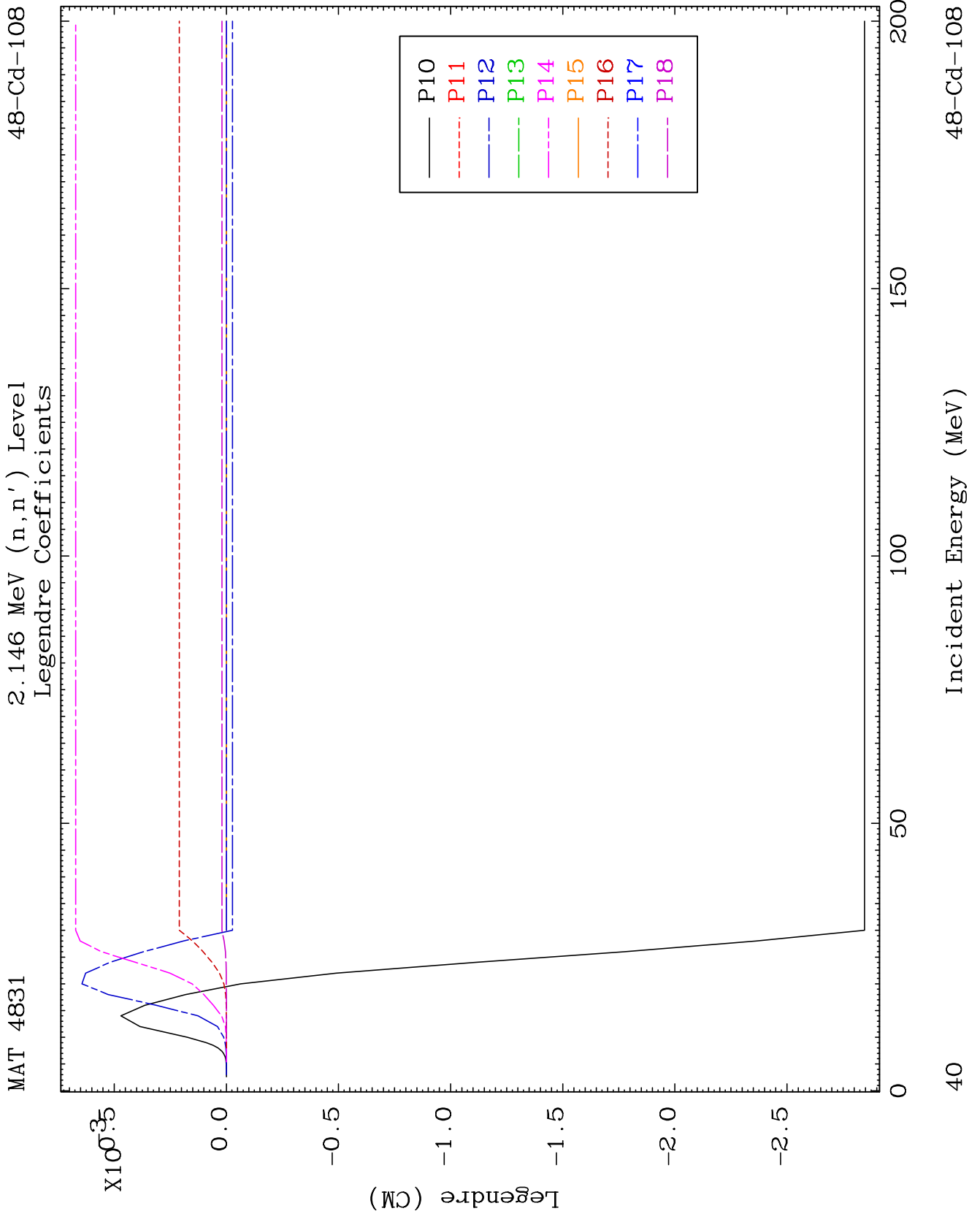
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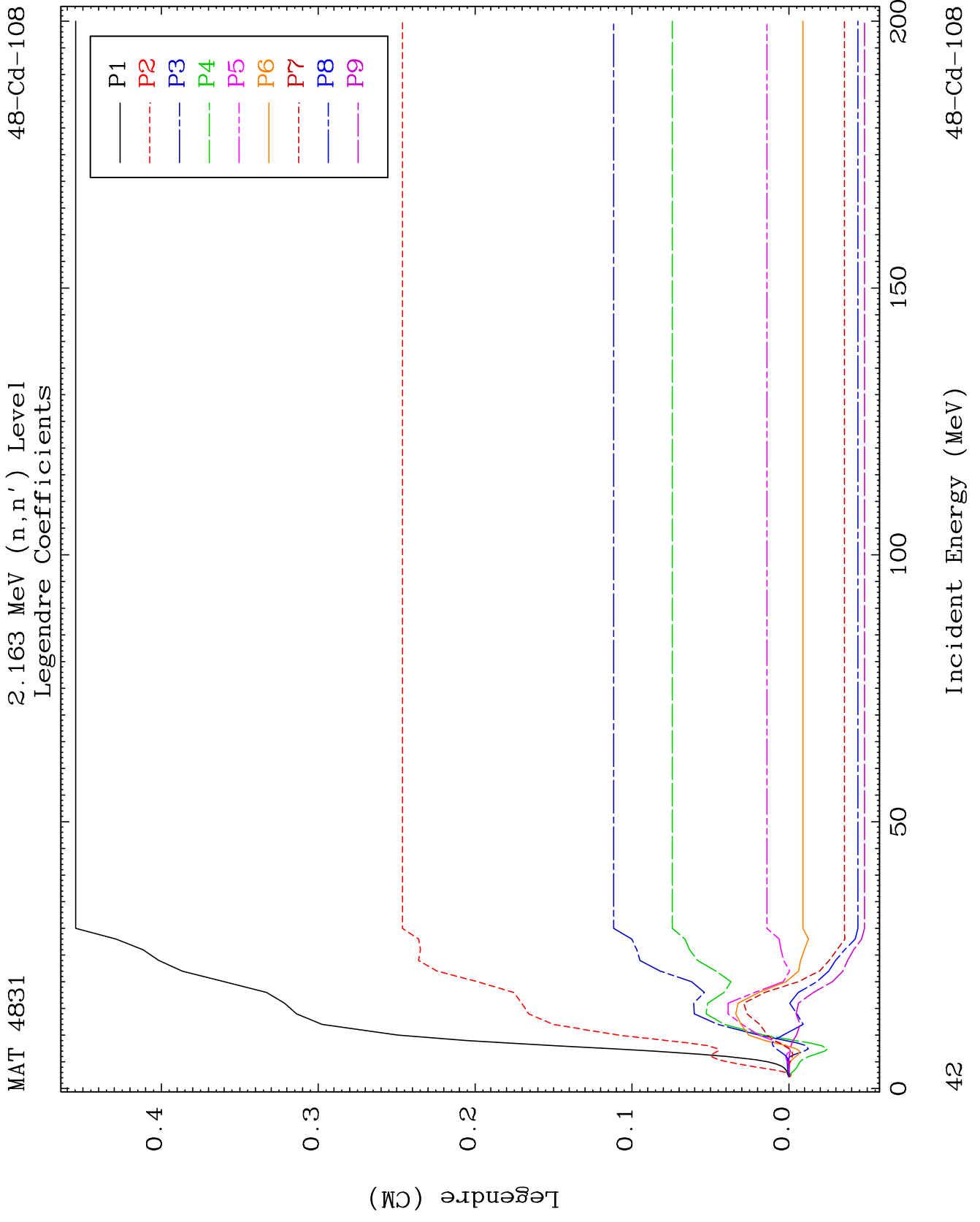








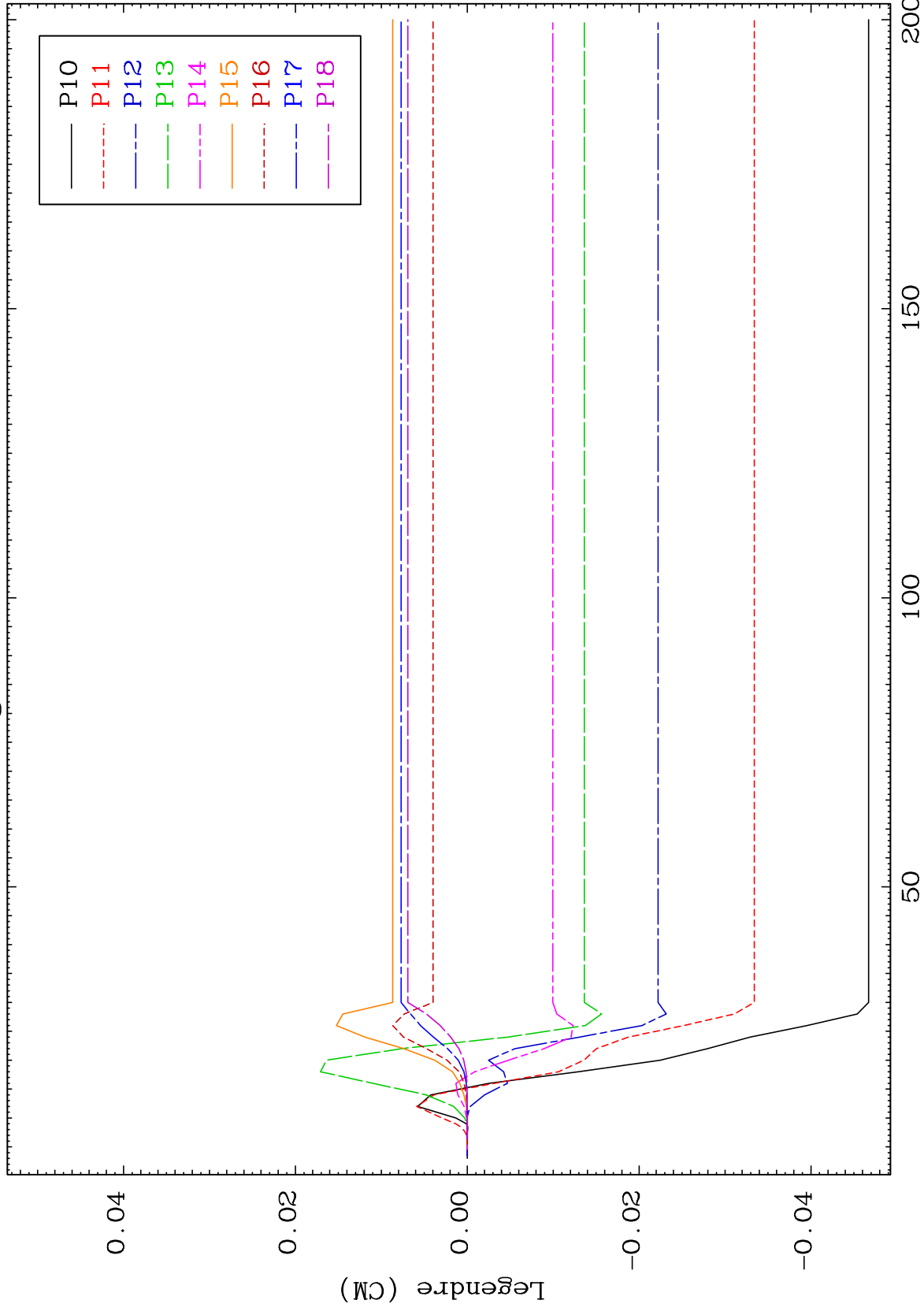




MAT 4831

2.163 MeV (n, n') Level
Legendre Coefficients

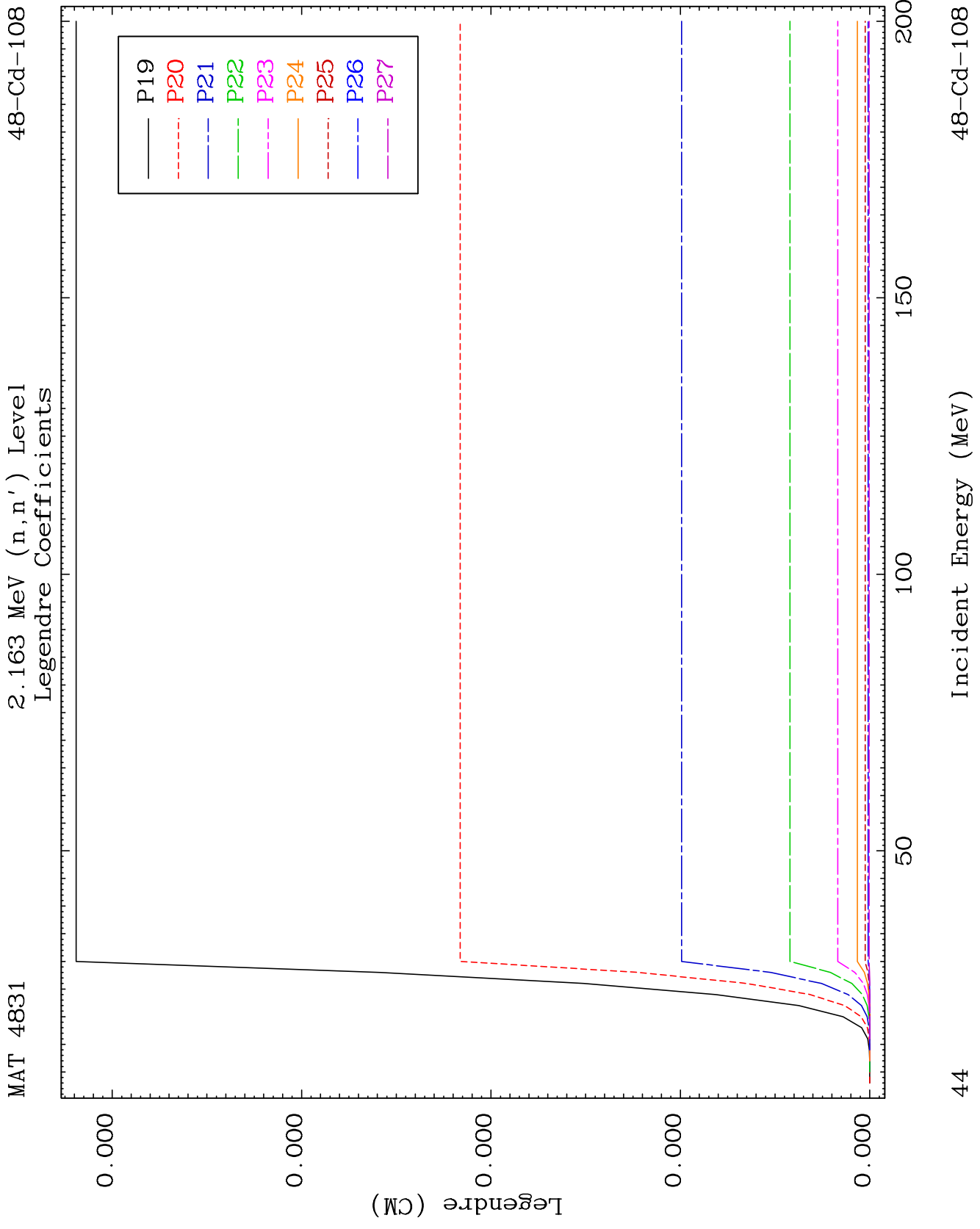
48-Cd-108

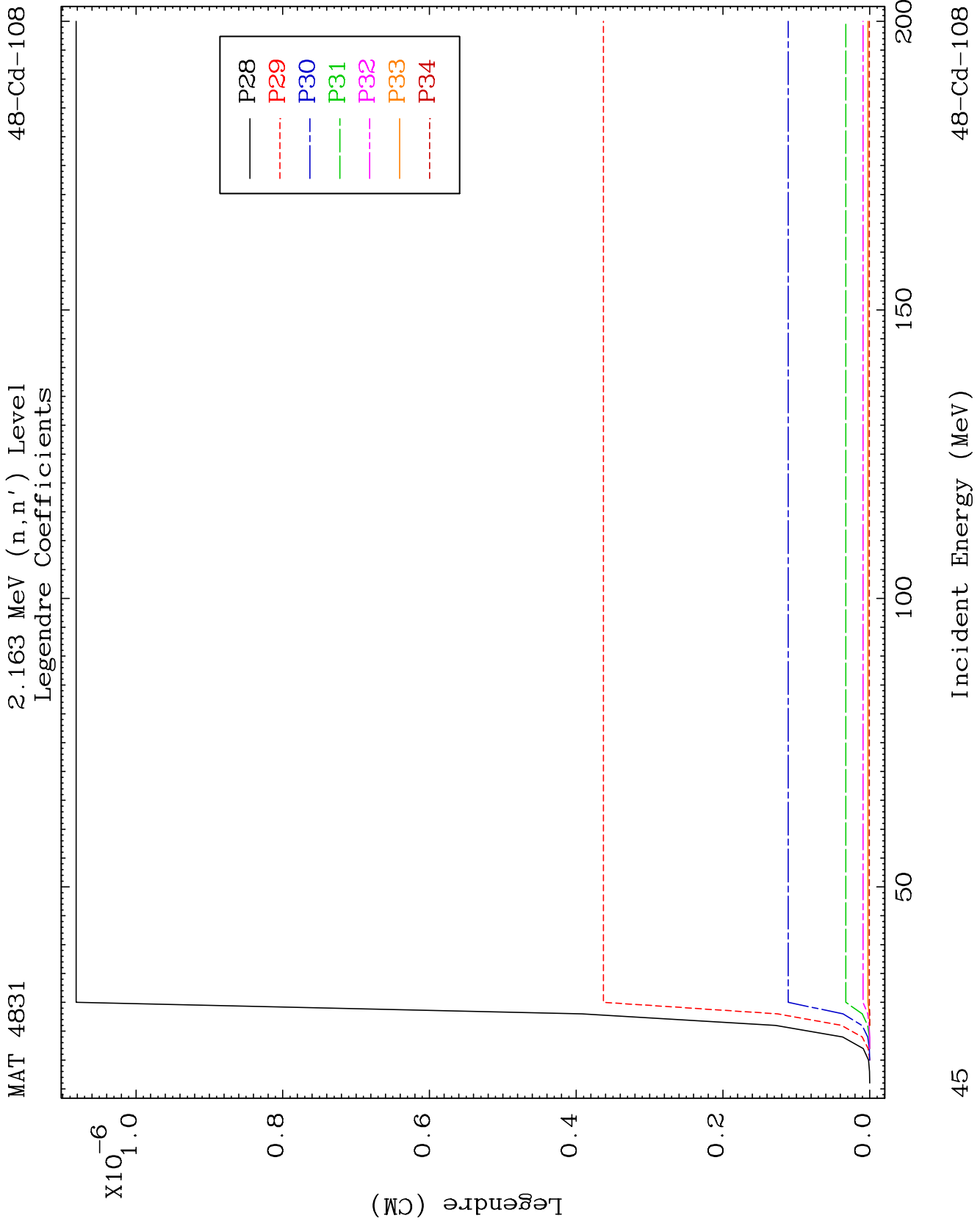


43

Incident Energy (MeV)

48-Cd-108

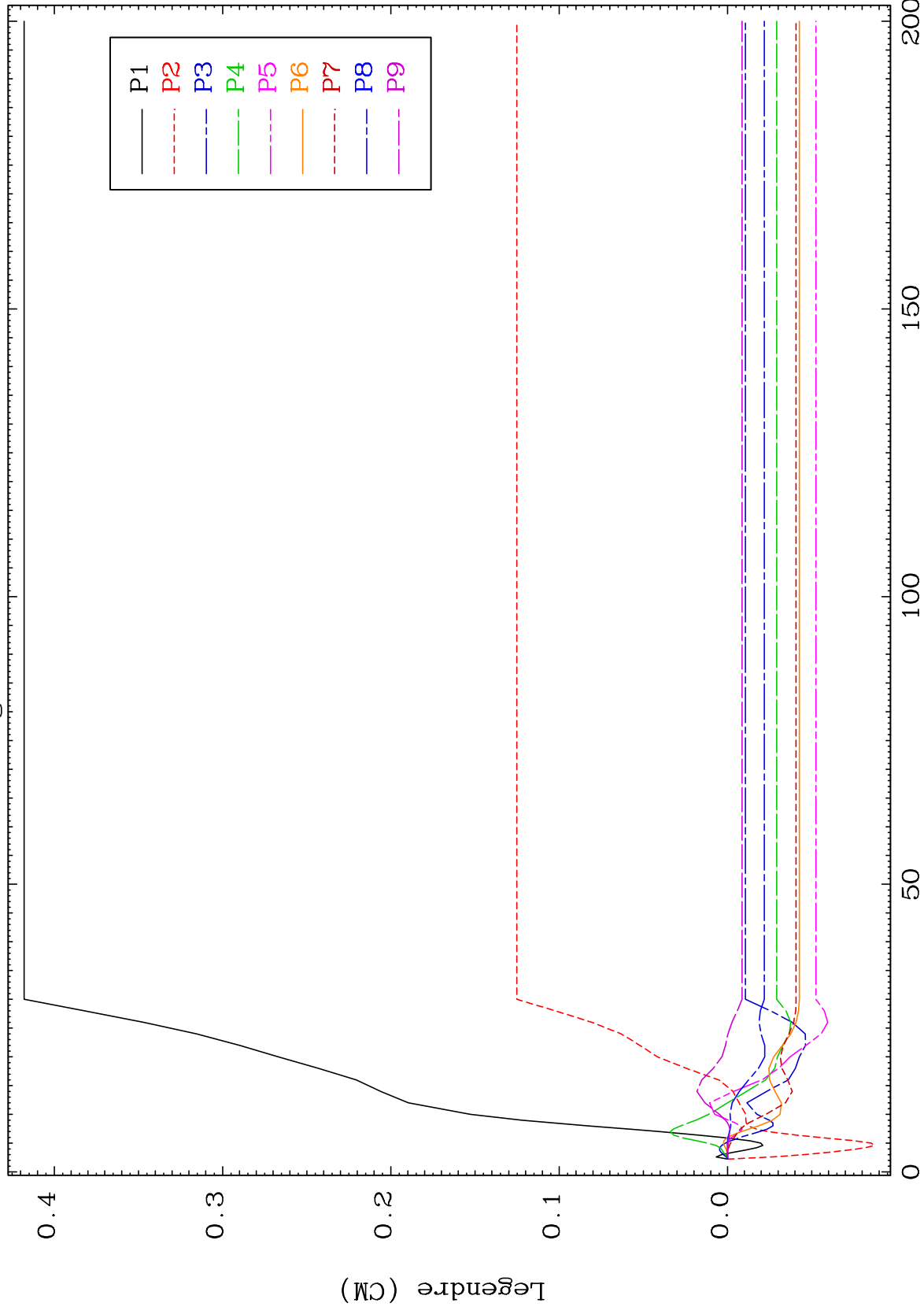




MAT 4831

2.202 MeV (n,n') Level
Legendre Coefficients

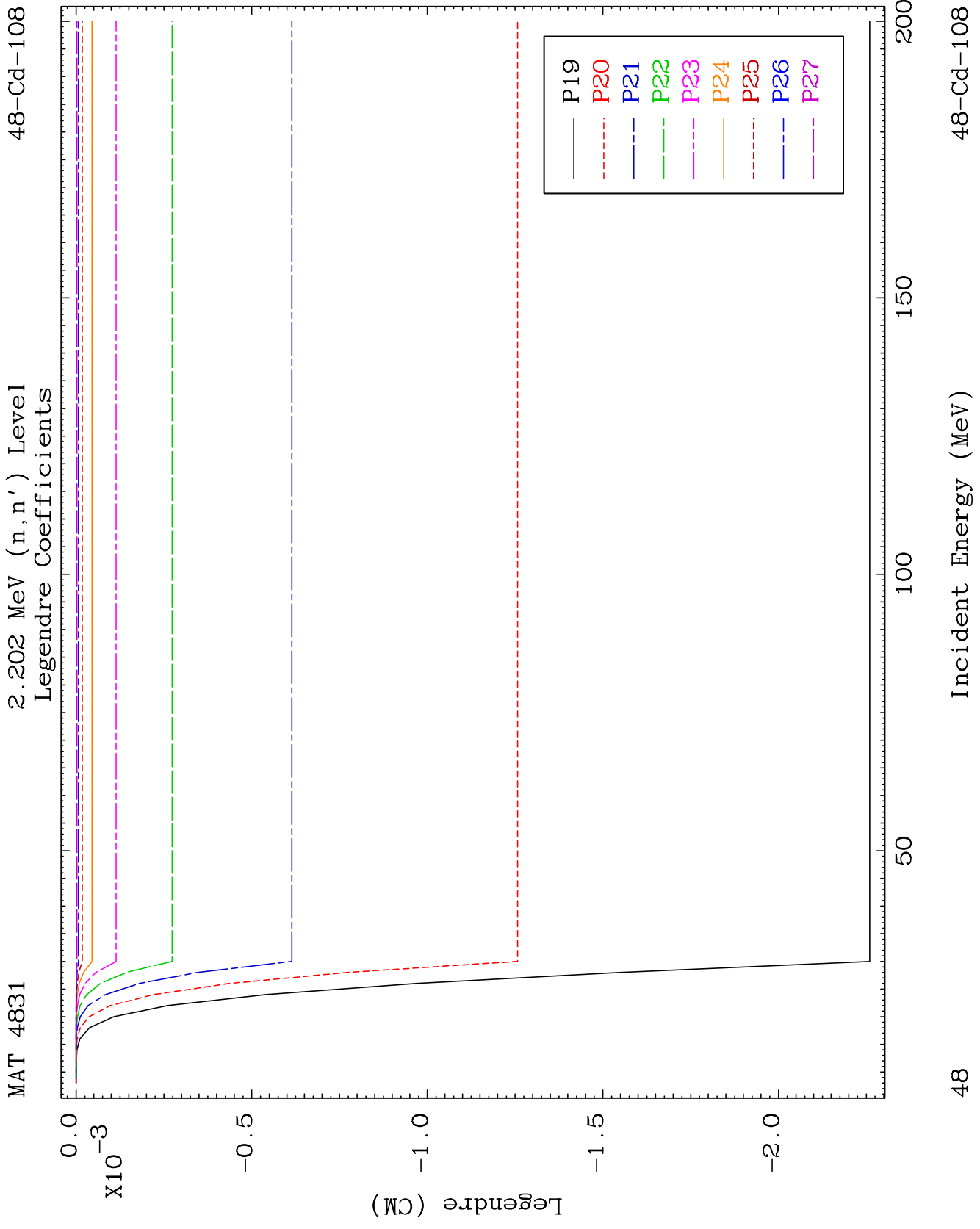
48-Cd-108

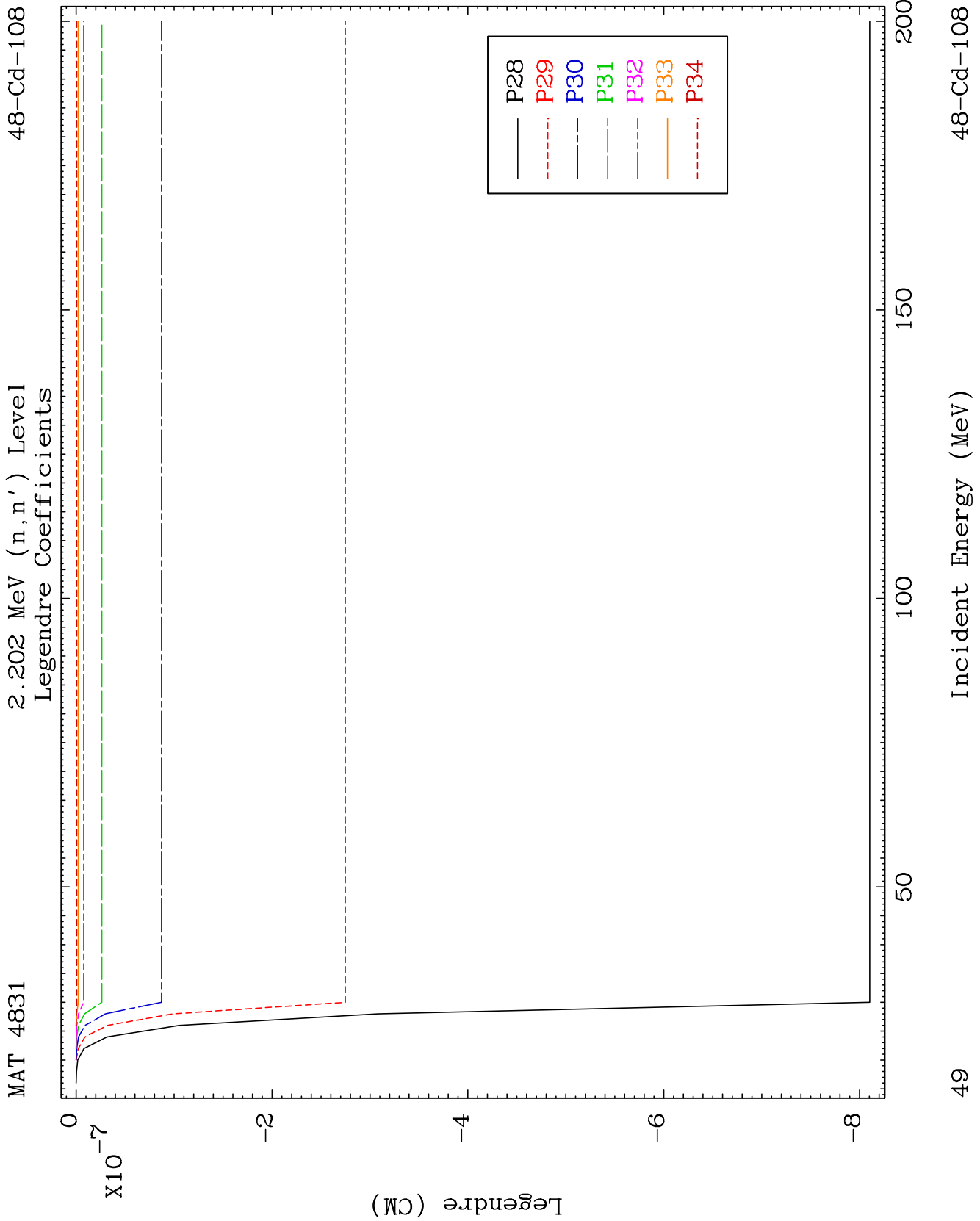


46

Incident Energy (MeV)

48-Cd-108

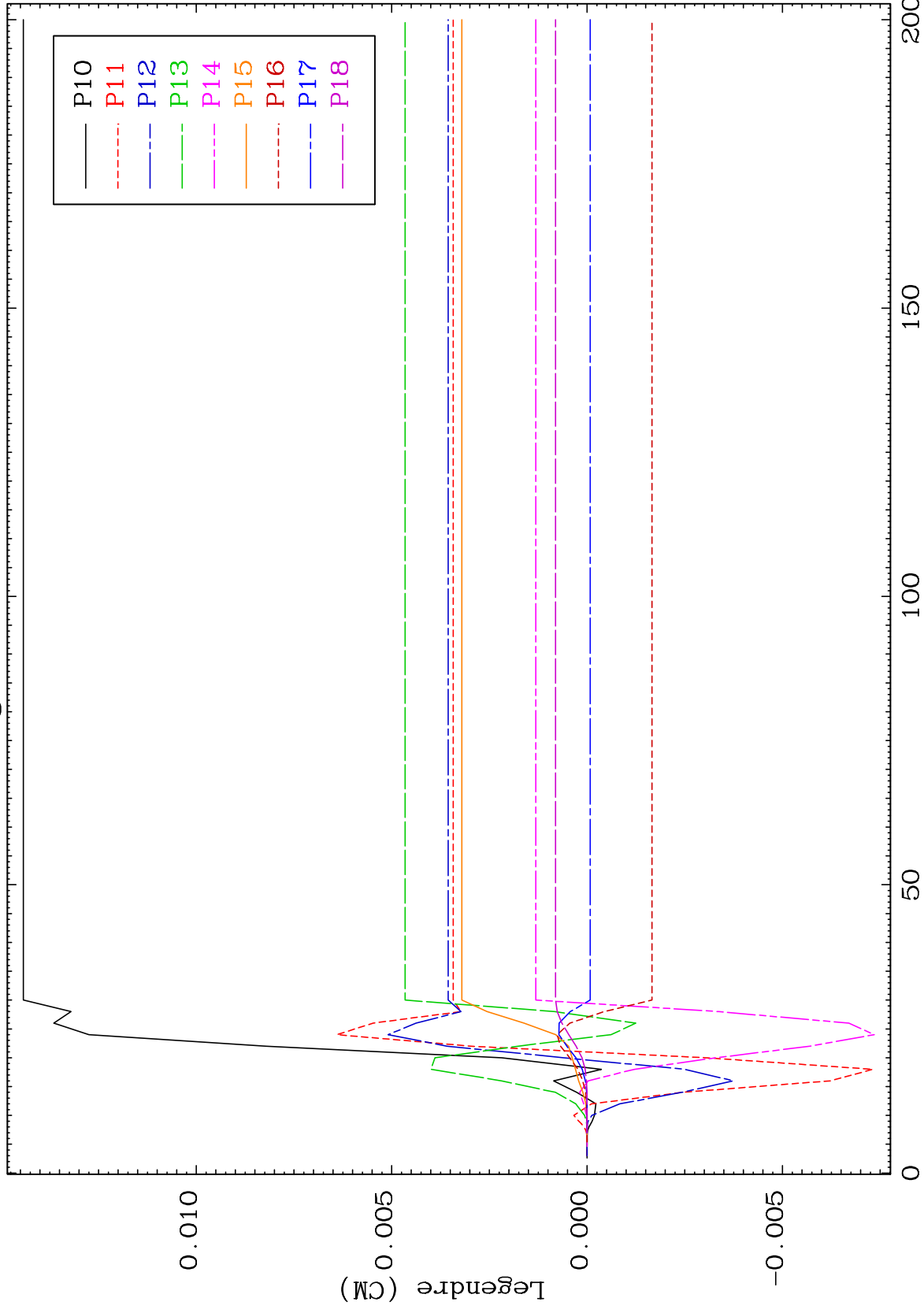




MAT 4831

2.239 MeV (n,n') Level
Legendre Coefficients

48-Cd-108



51

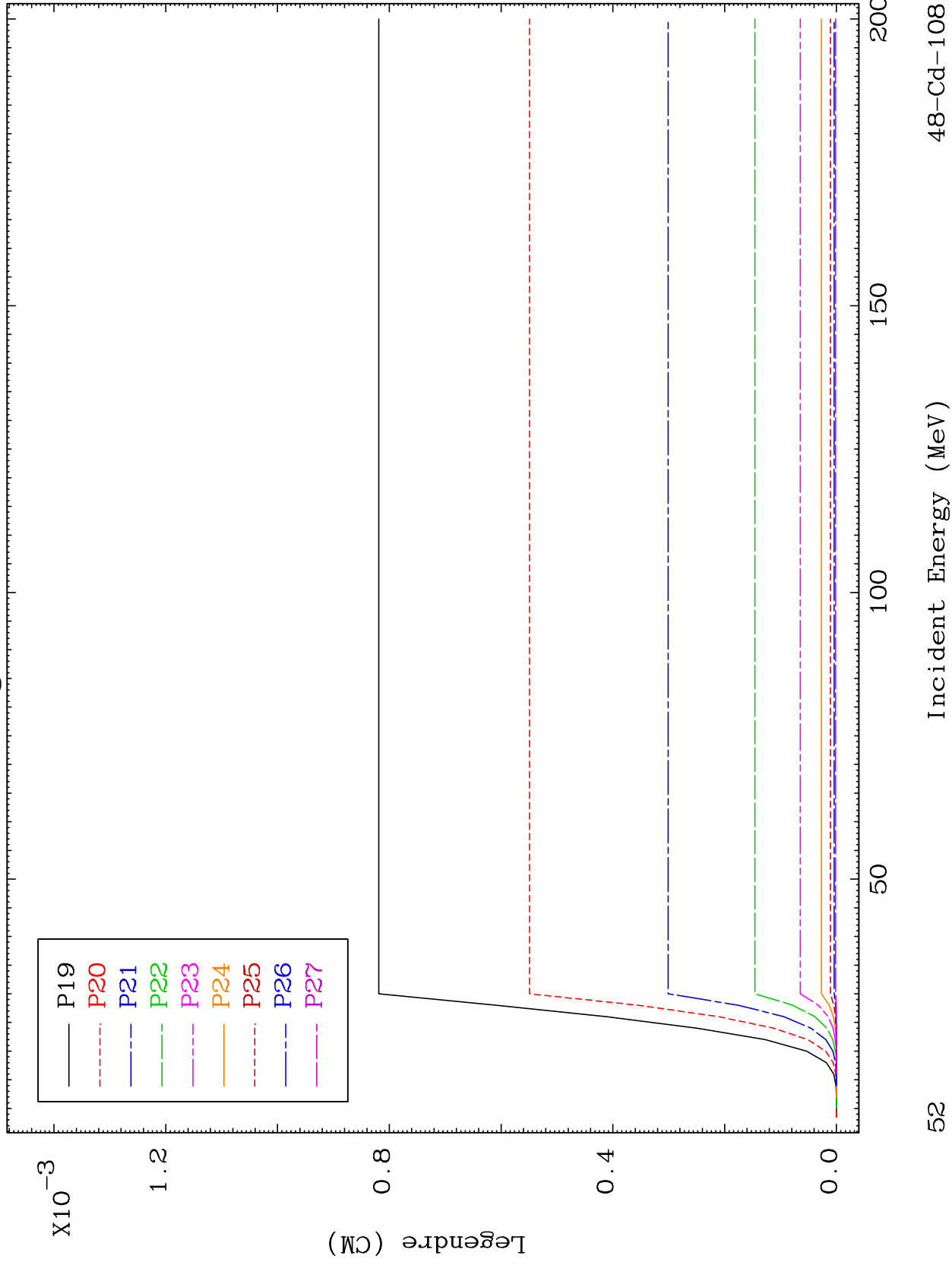
Incident Energy (MeV)

48-Cd-108

MAT 4831

2.239 MeV (n,n') Level
Legendre Coefficients

48-Cd-108



52

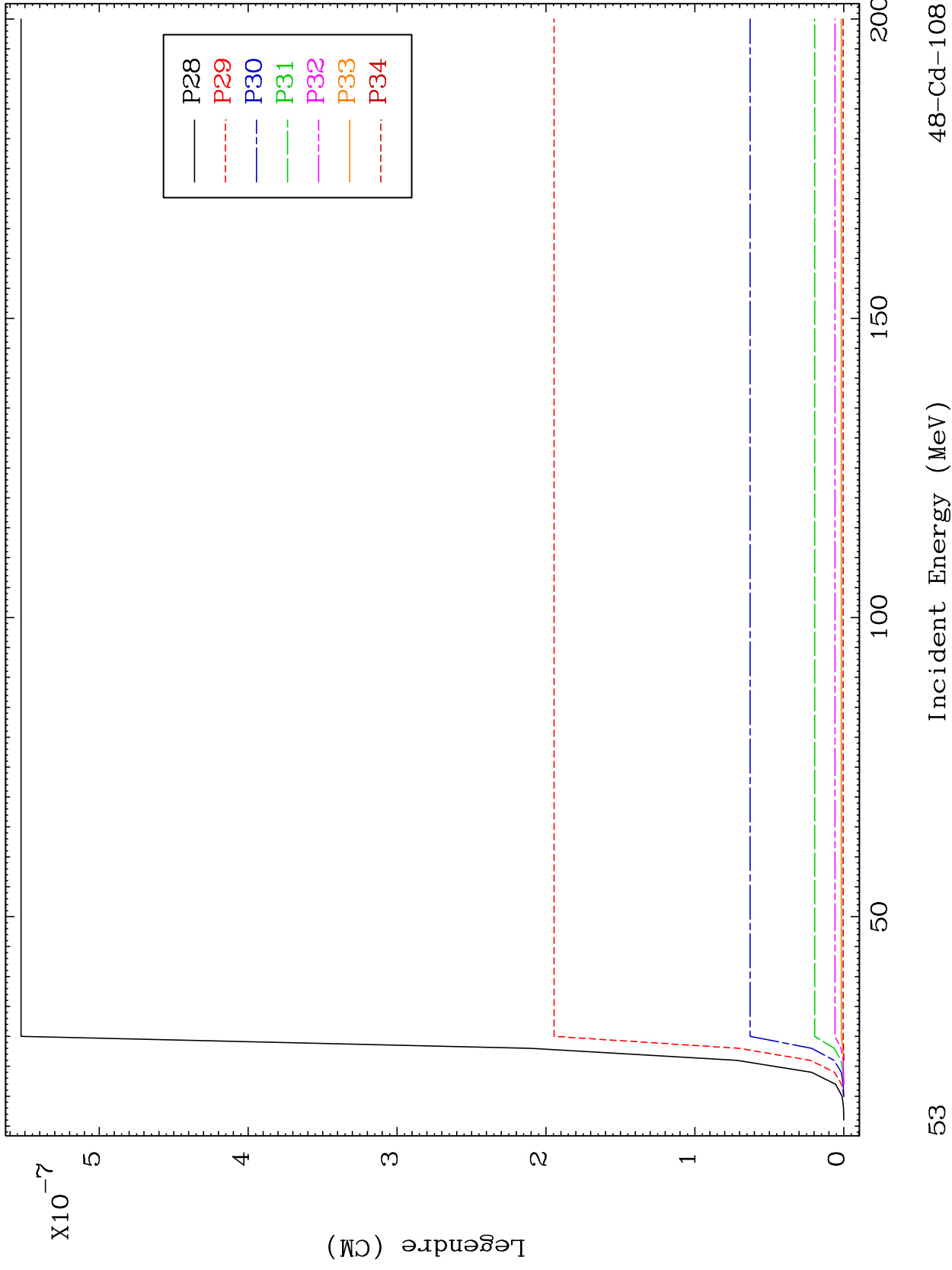
Incident Energy (MeV)

48-Cd-108

MAT 4831

2.239 MeV (n,n') Level
Legendre Coefficients

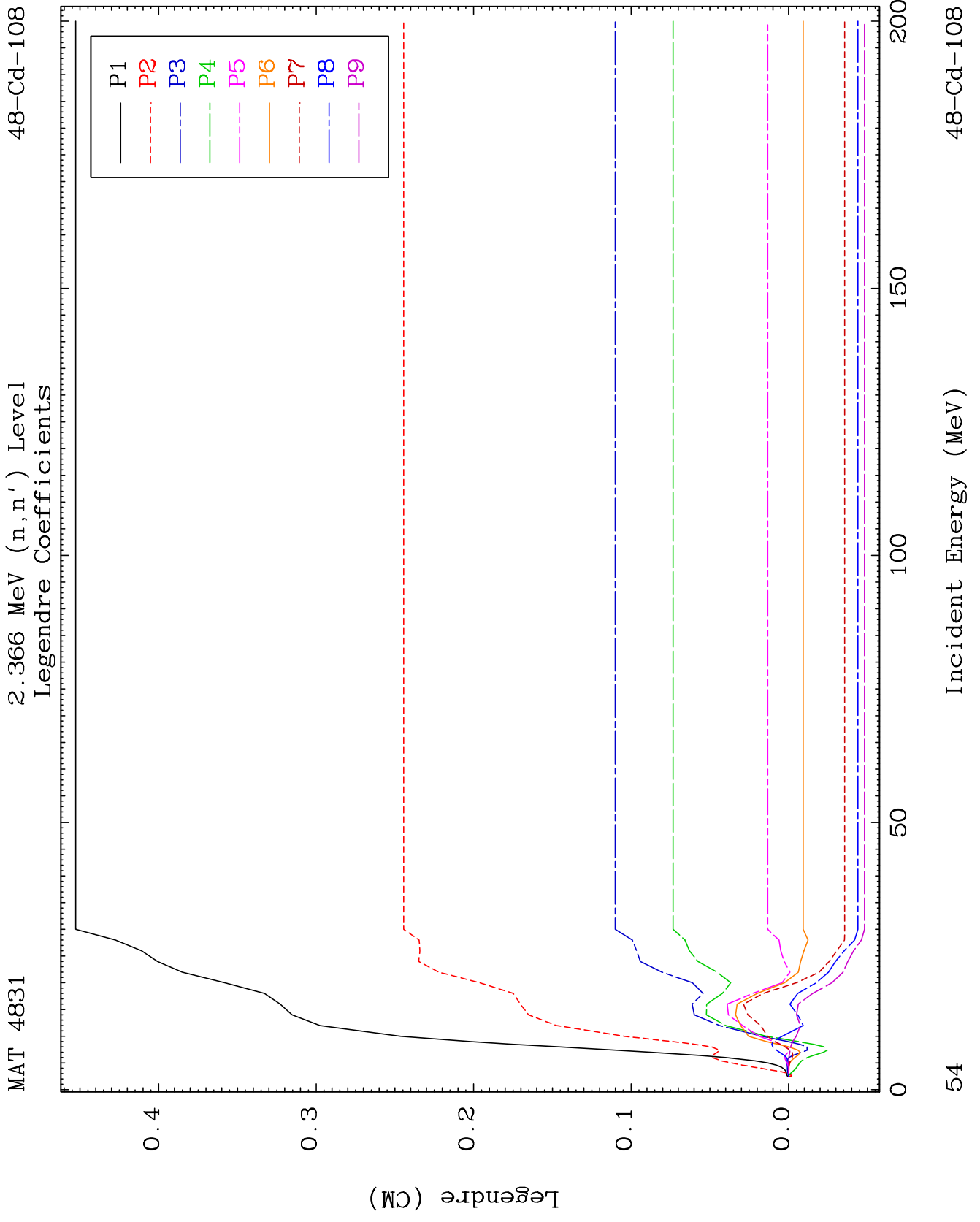
48-Cd-108



53

Incident Energy (MeV)

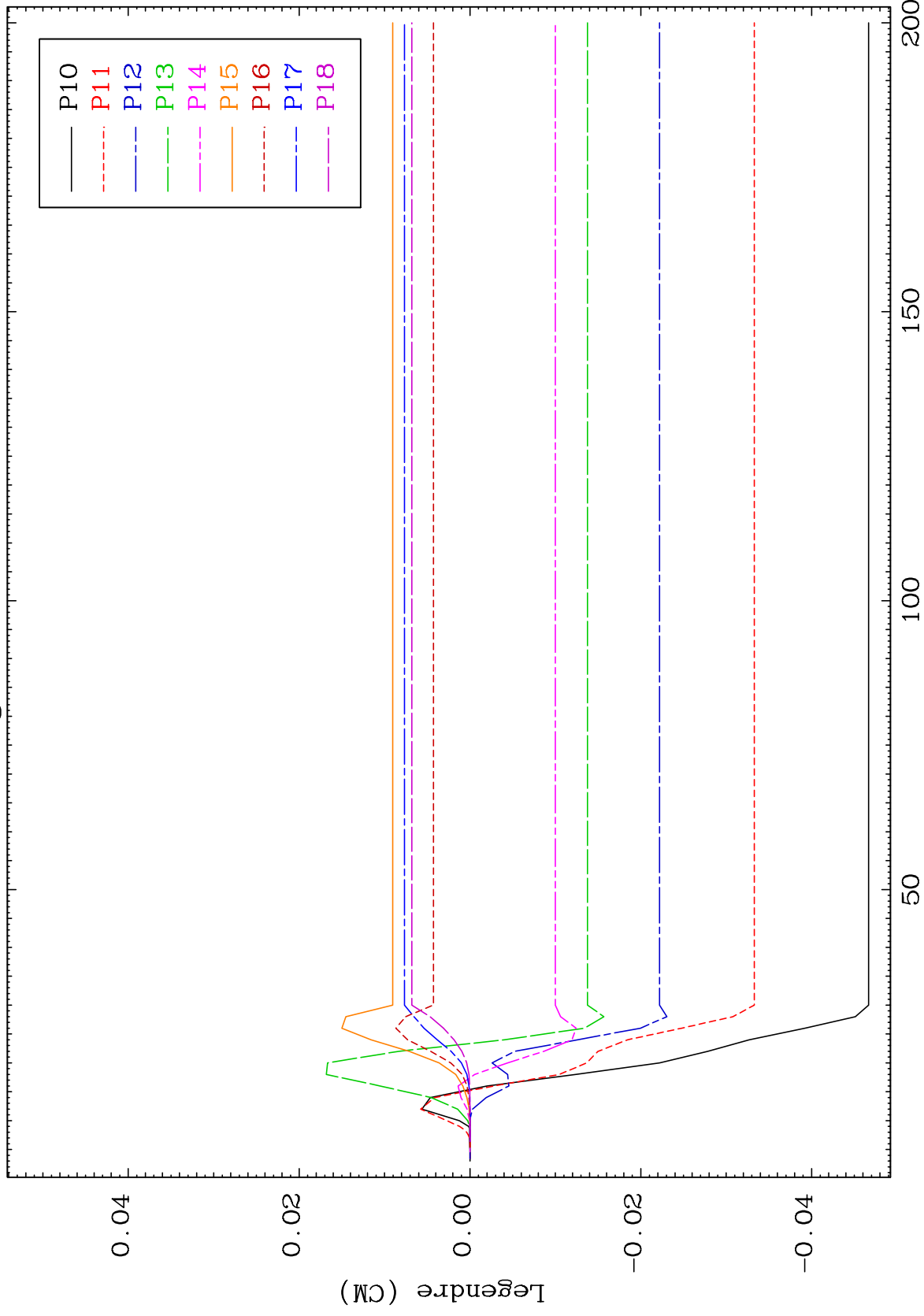
48-Cd-108



MAT 4831

2.366 MeV (n,n') Level
Legendre Coefficients

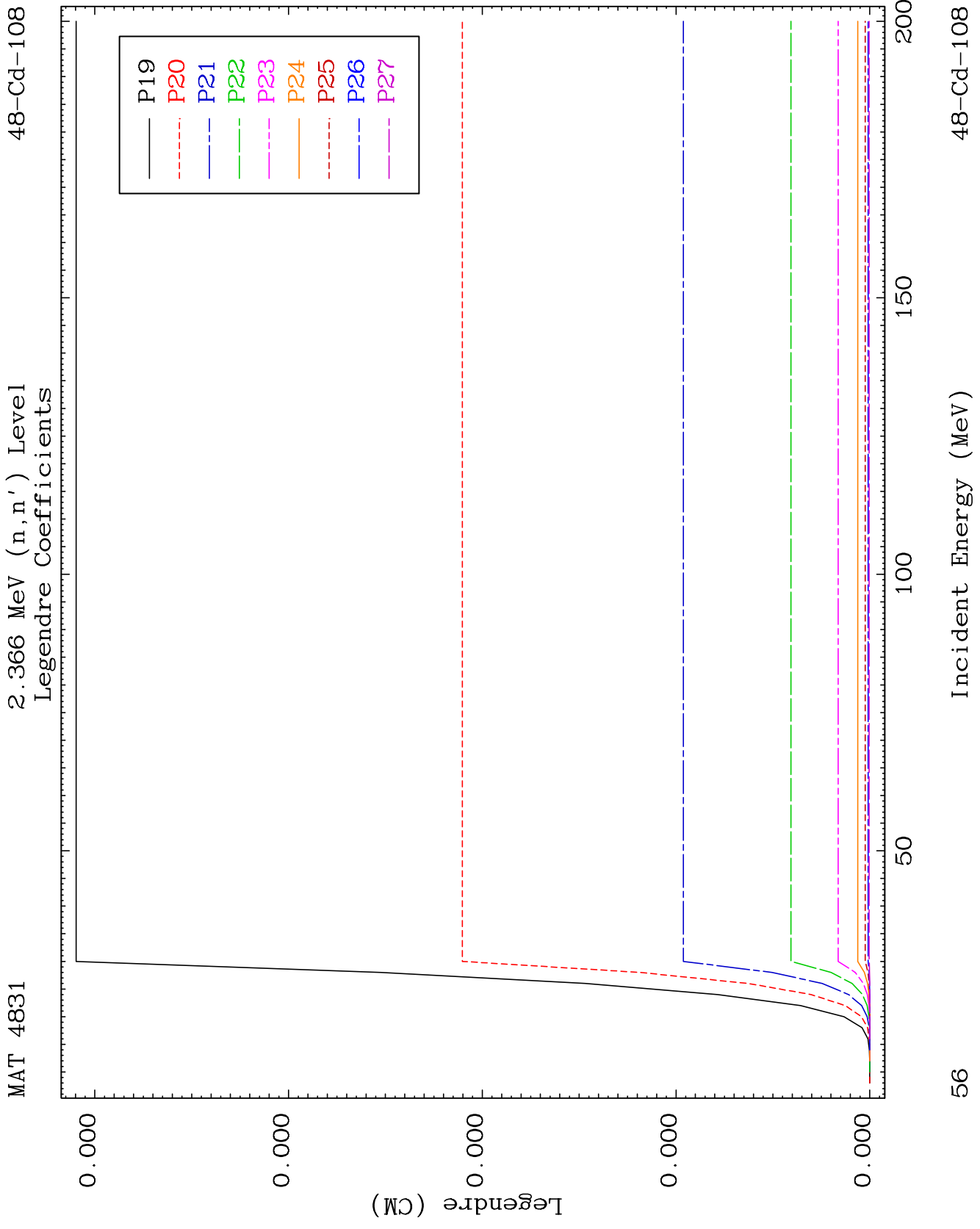
48-Cd-108

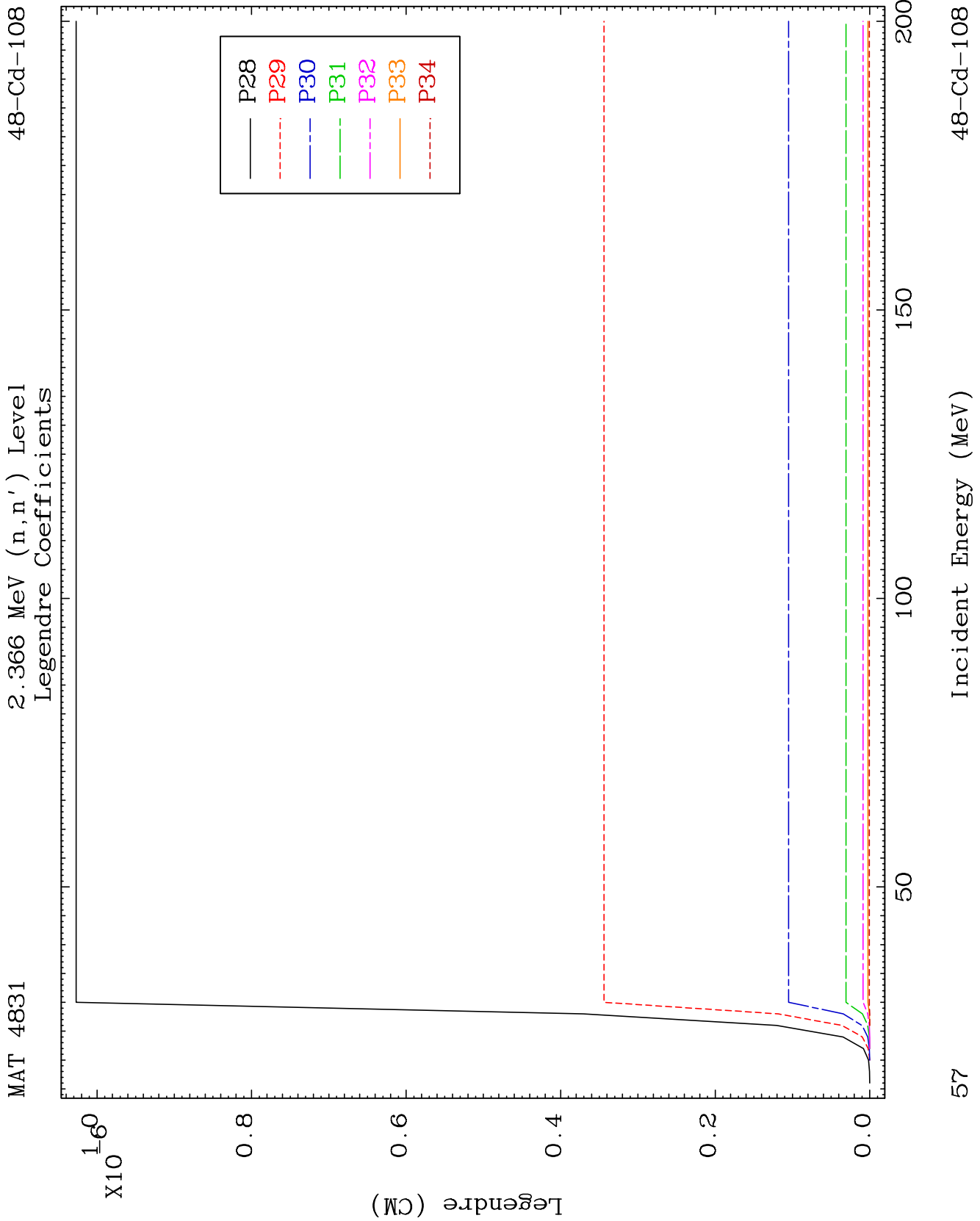


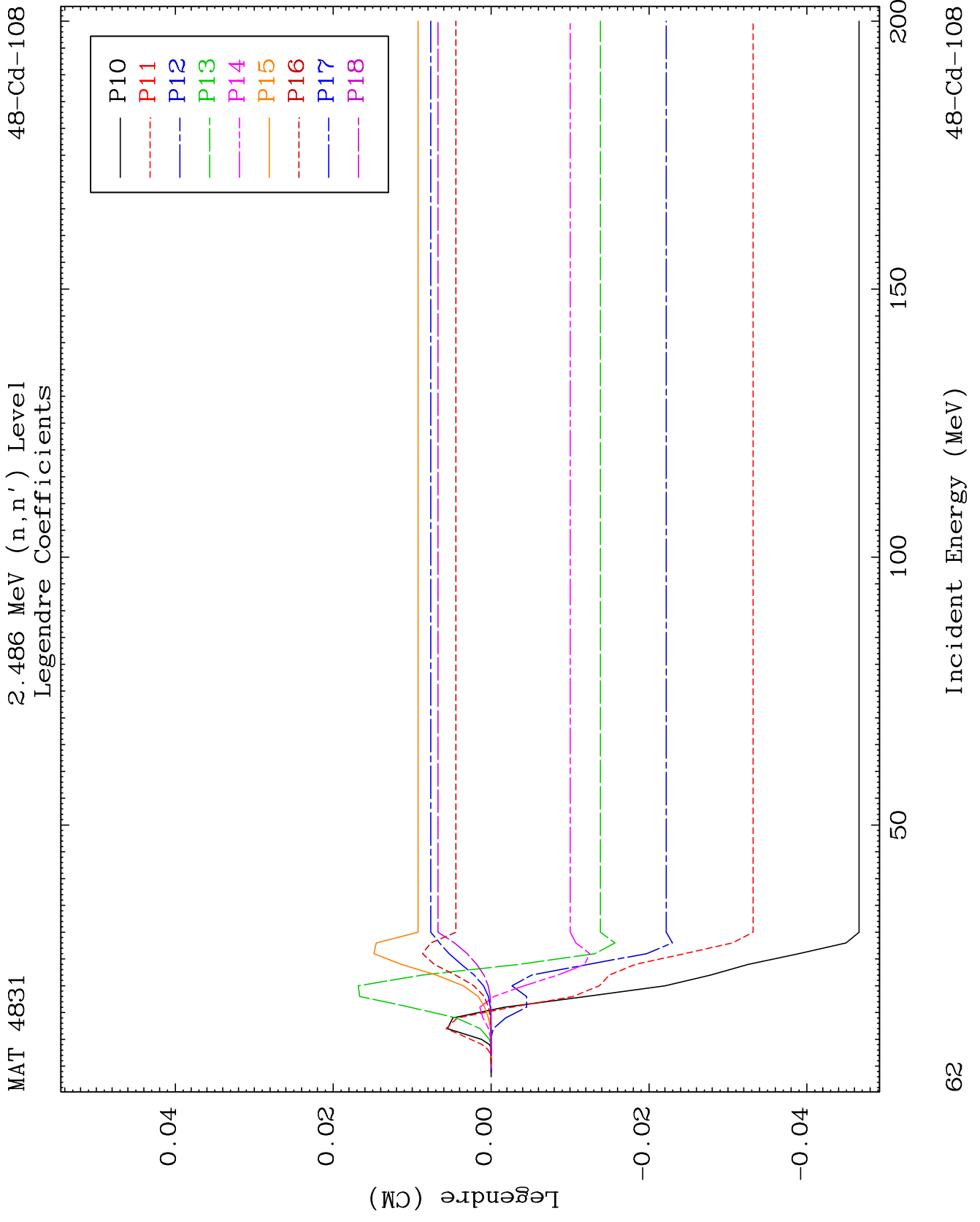
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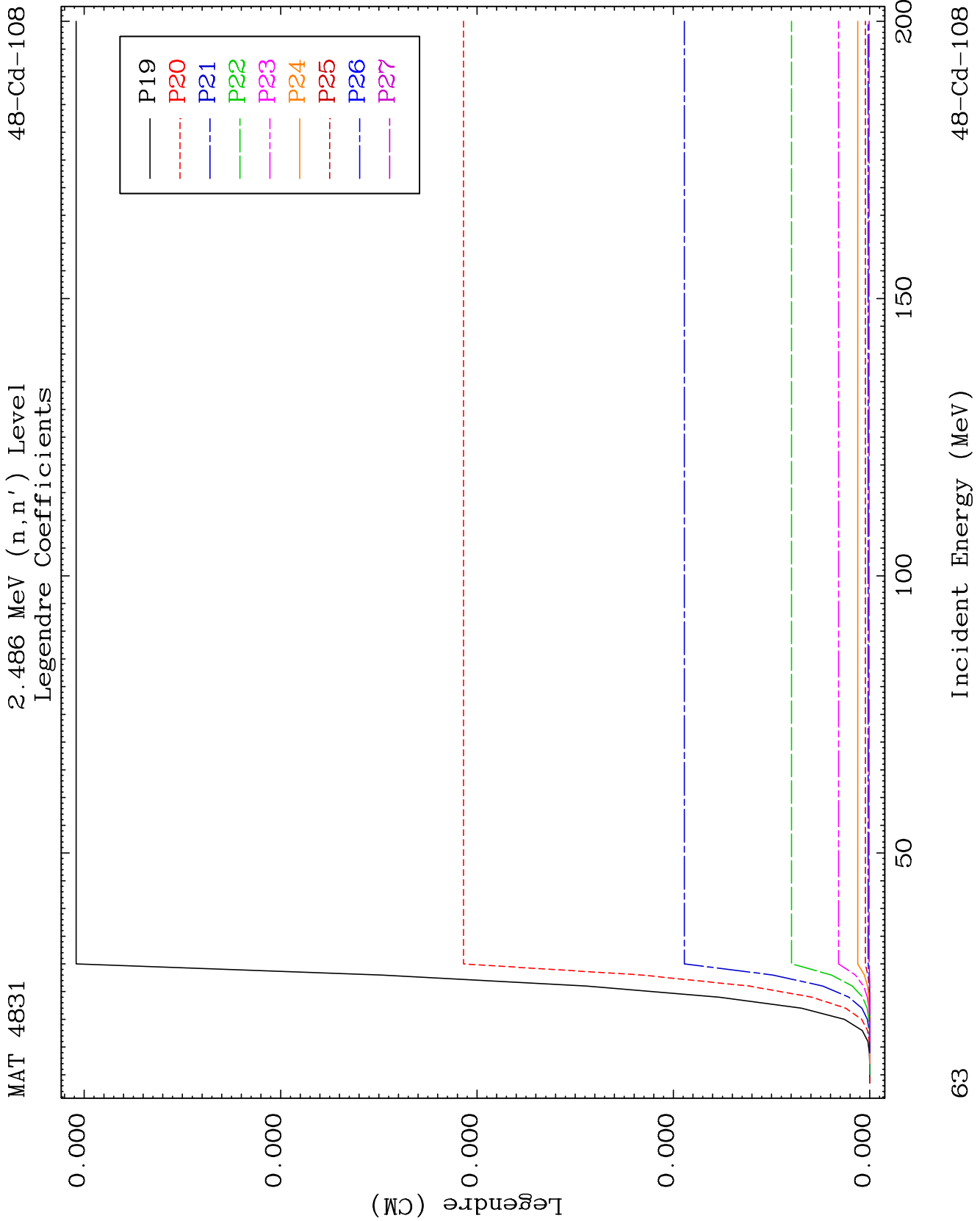
Incident Energy (MeV)

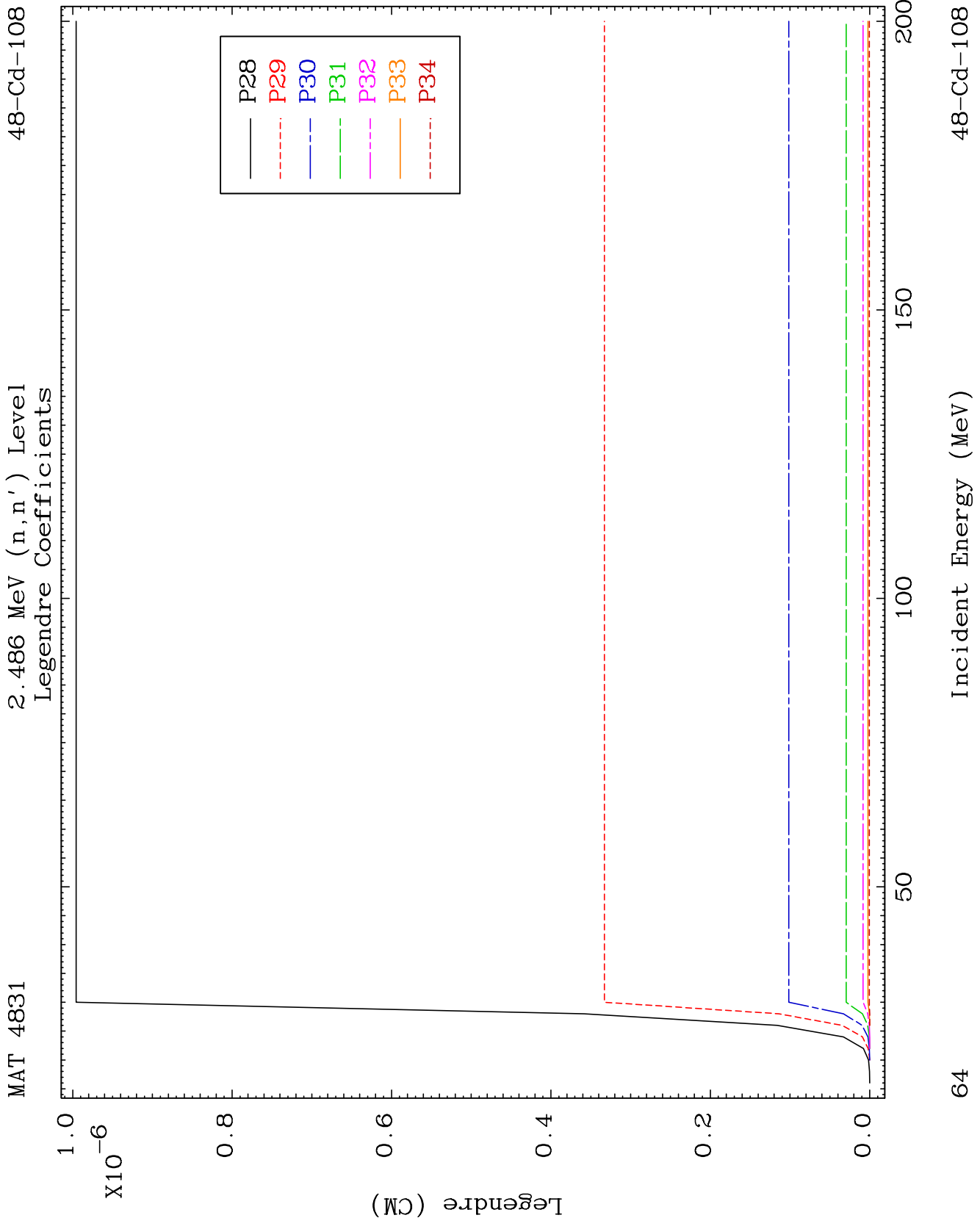
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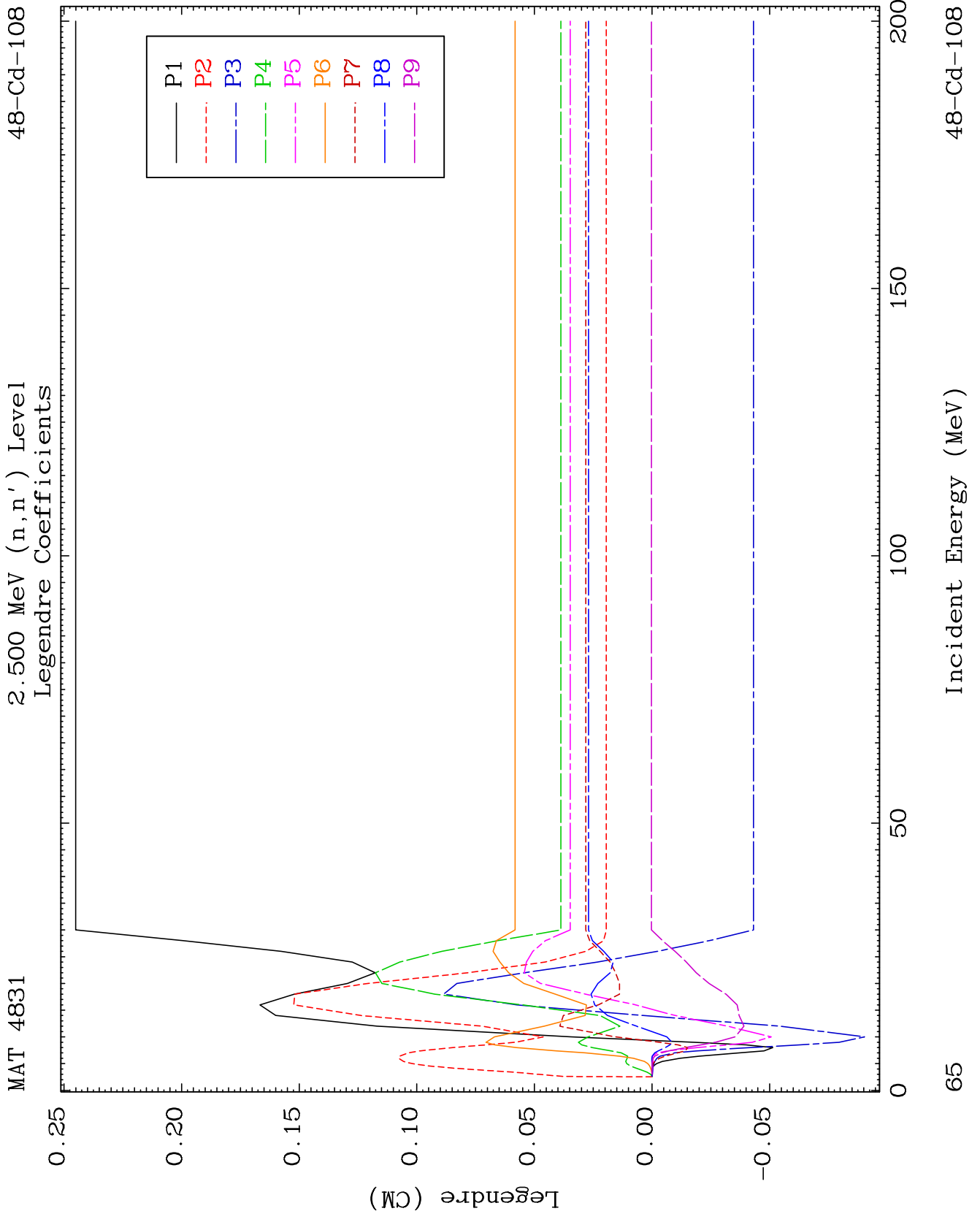


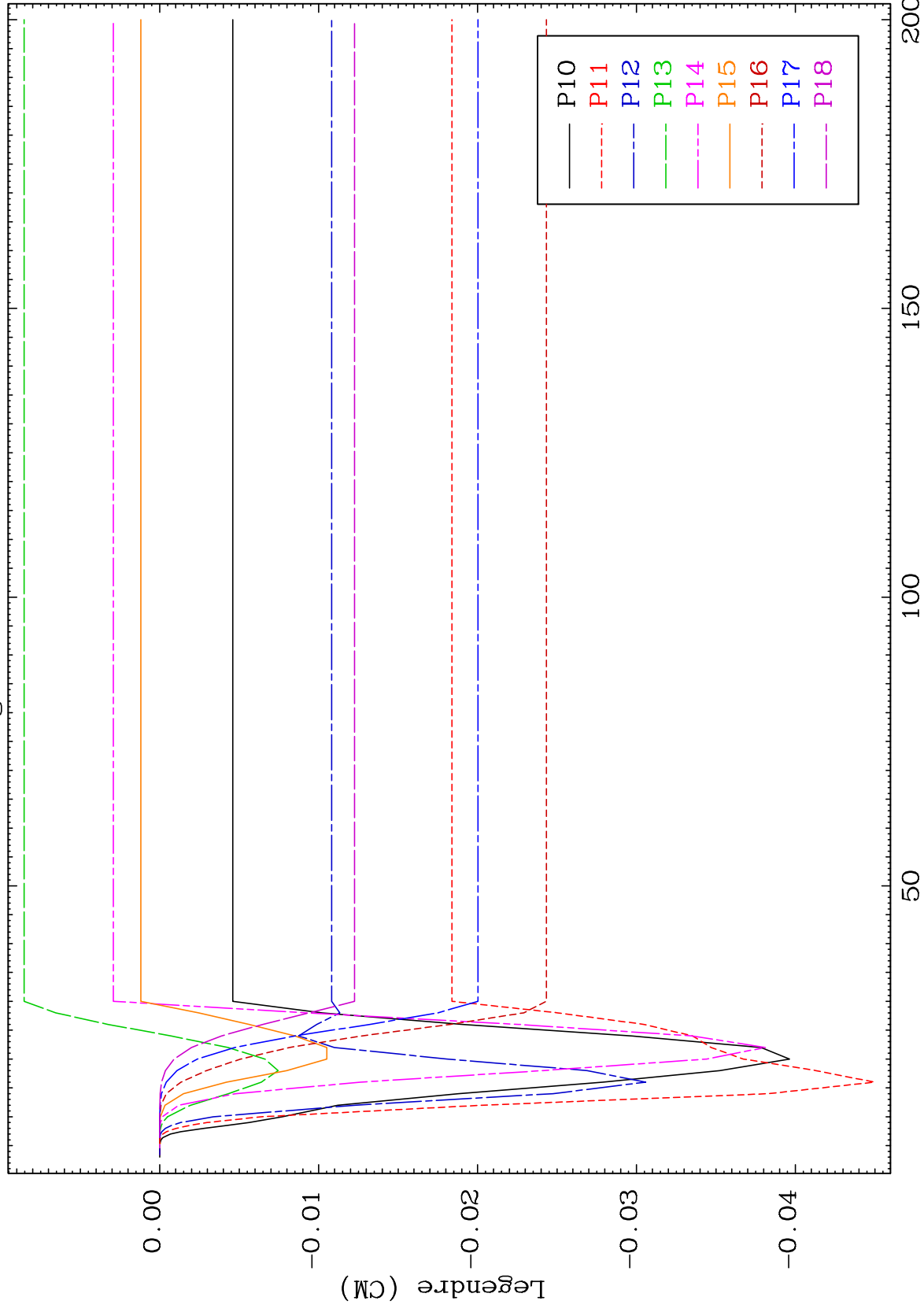


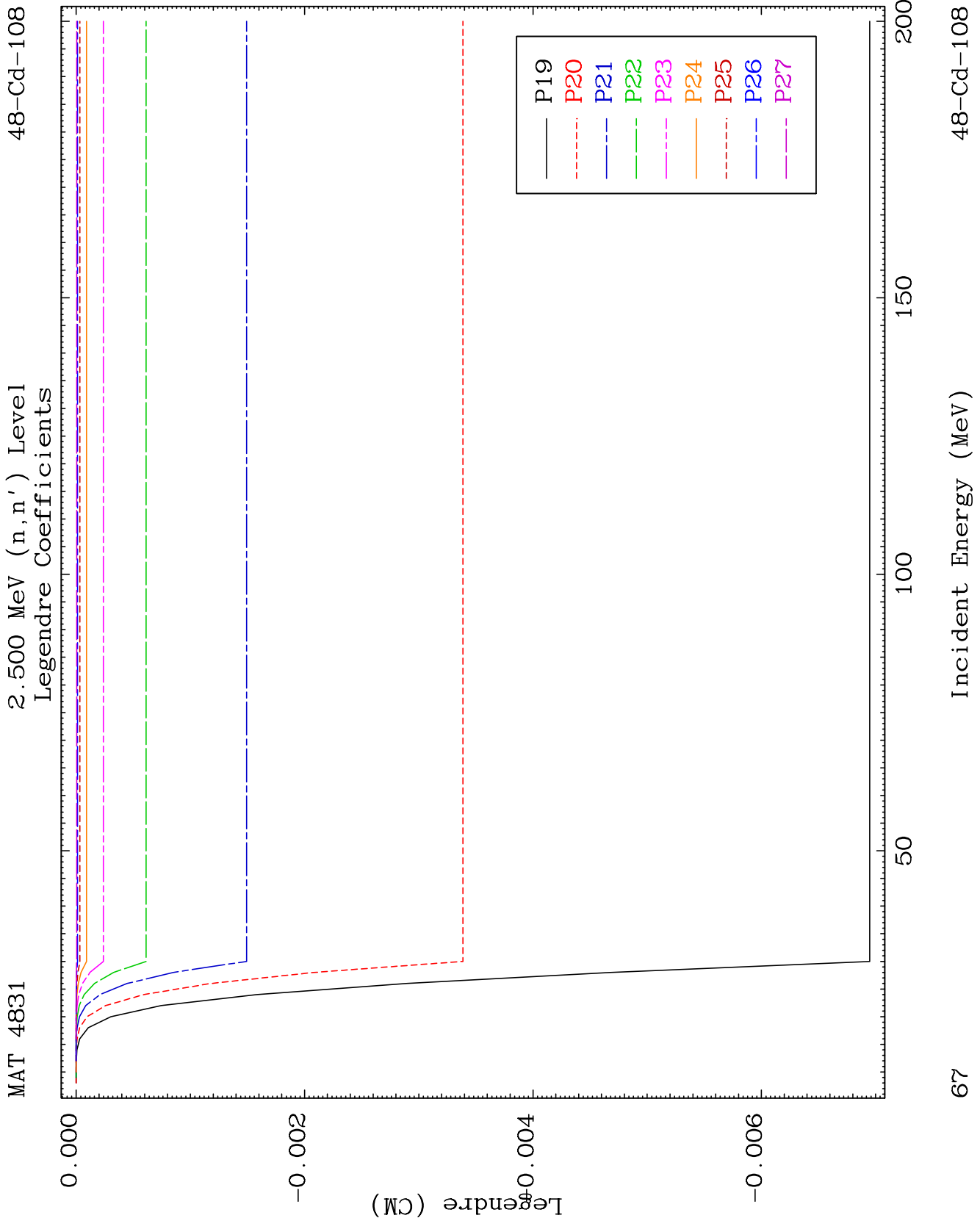


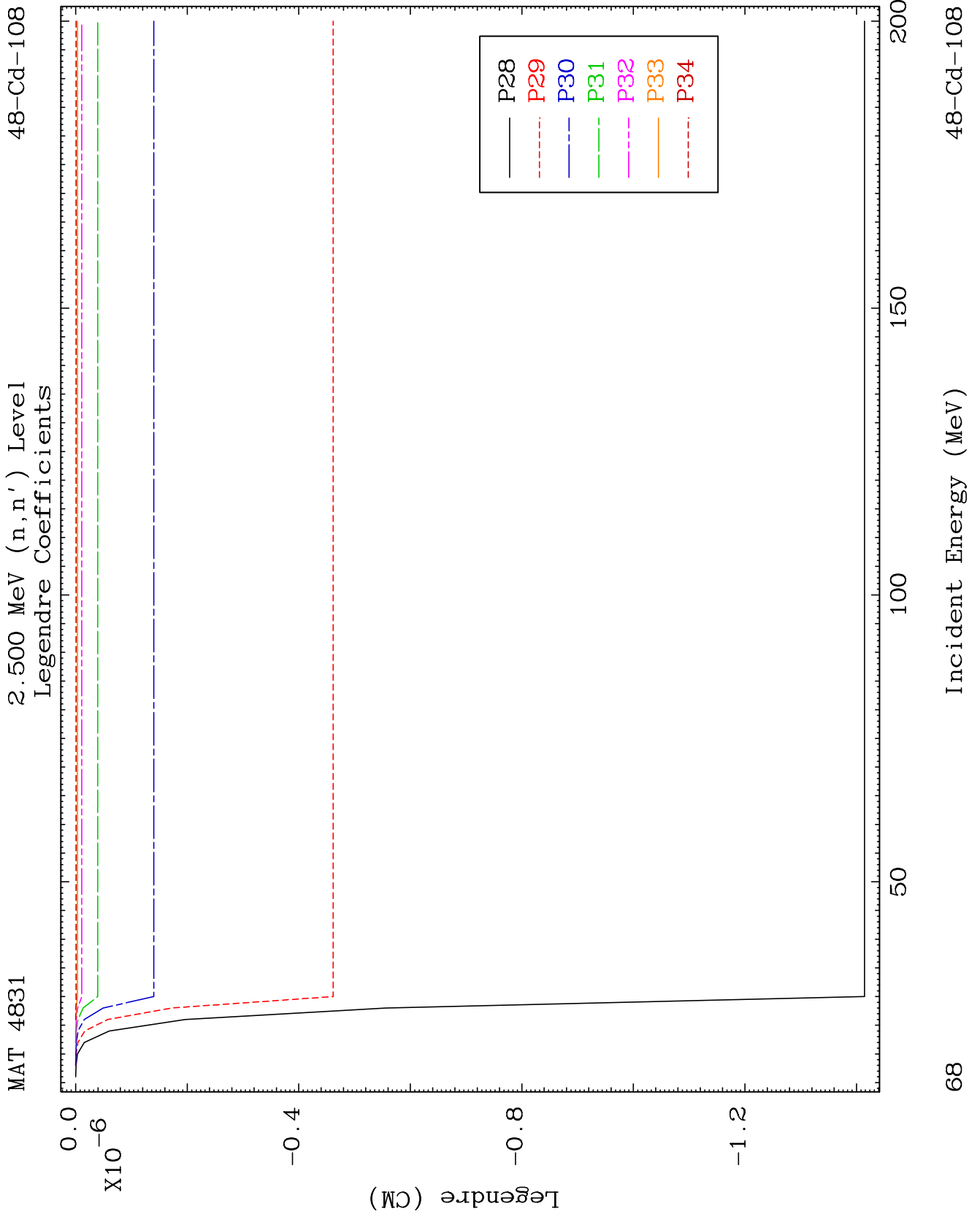


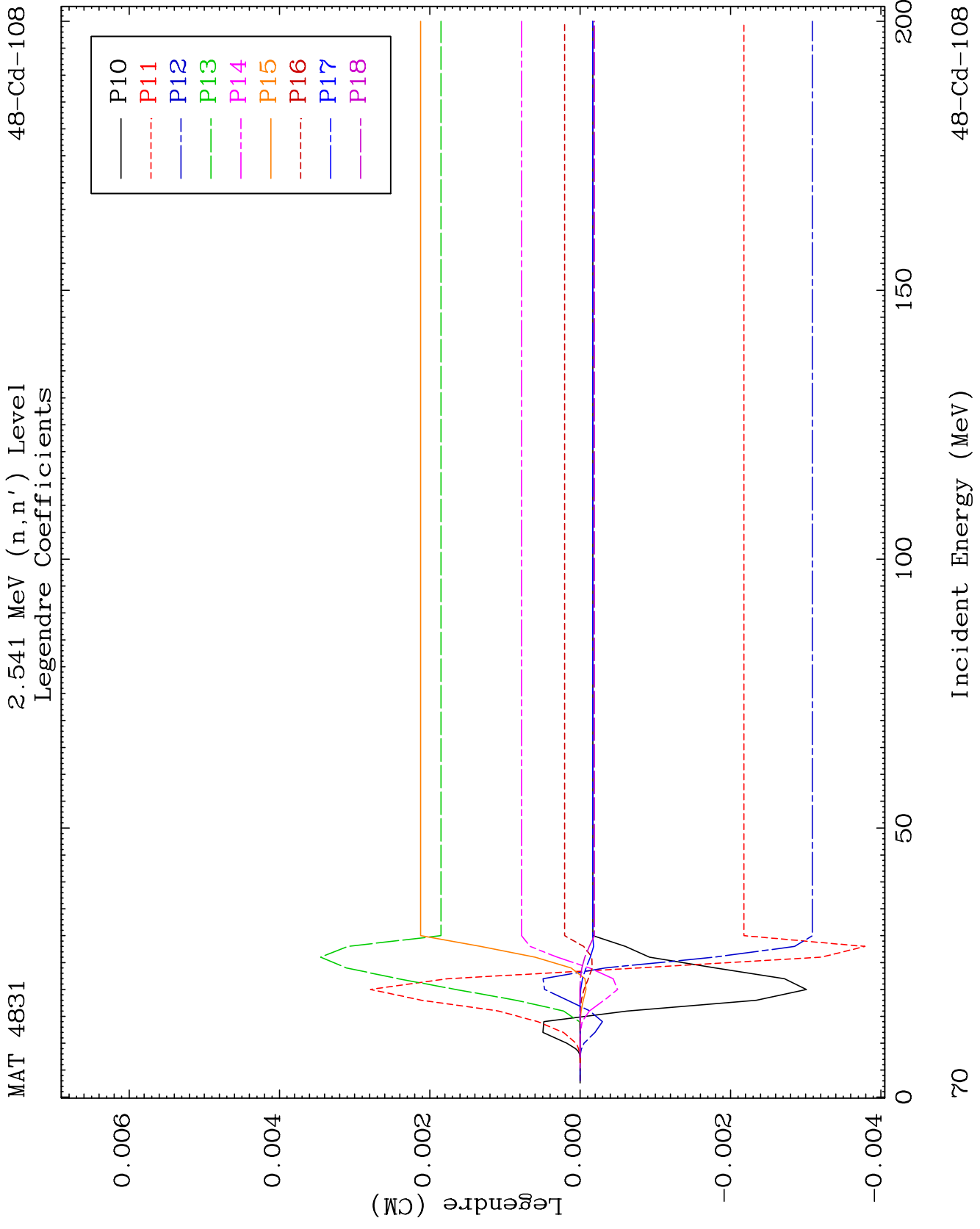


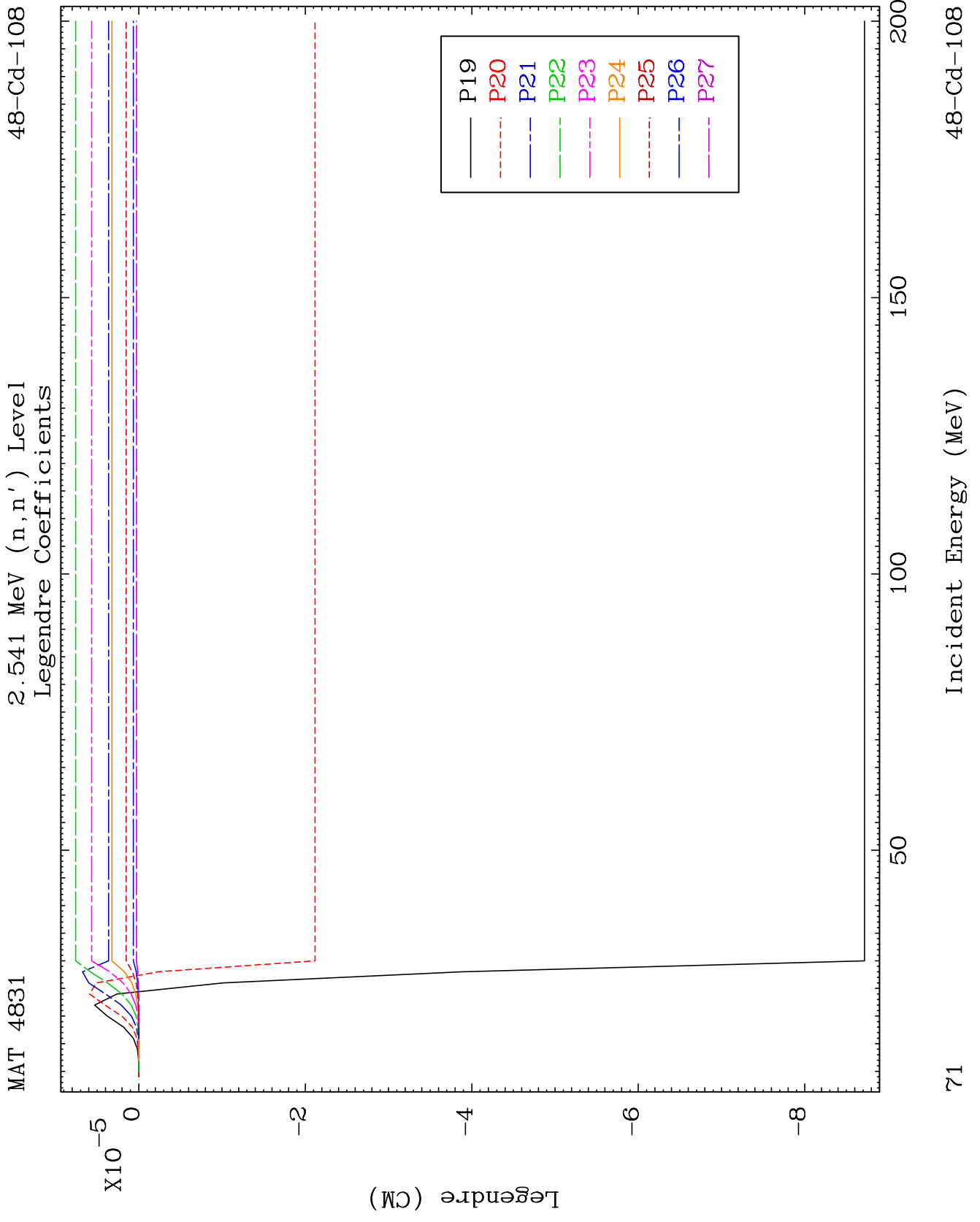


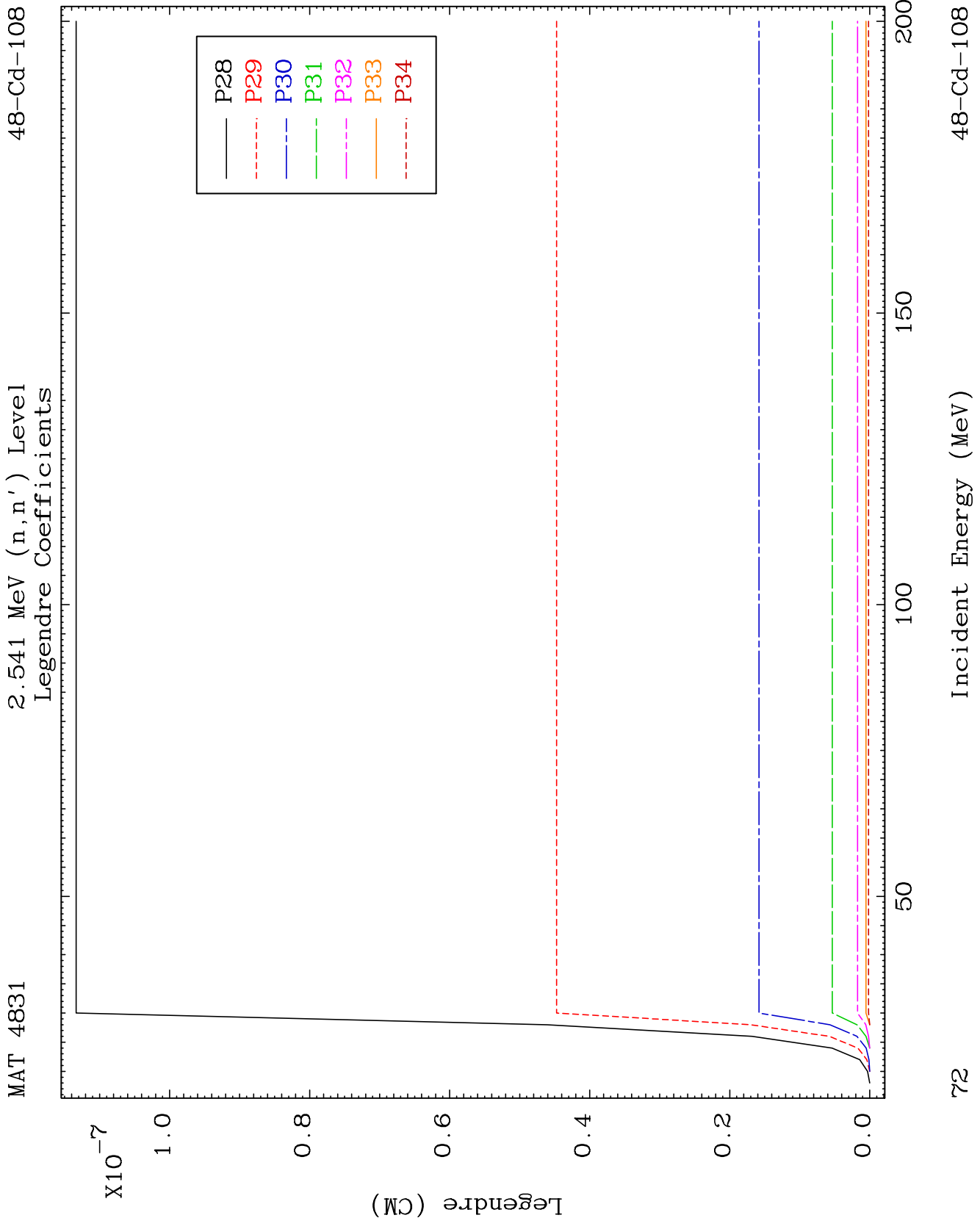








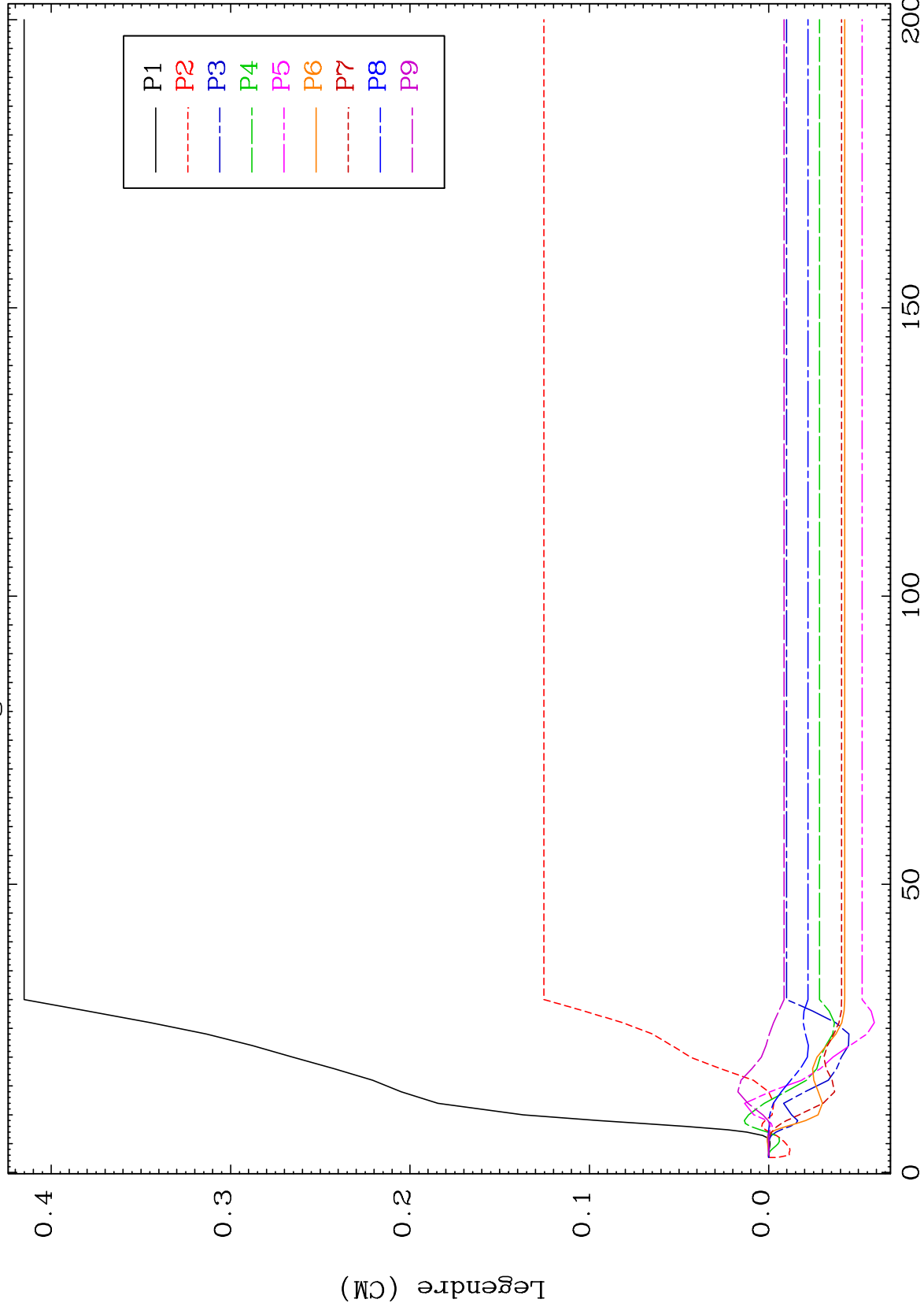




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2.555 MeV (n,n') Level
Legendre Coefficients

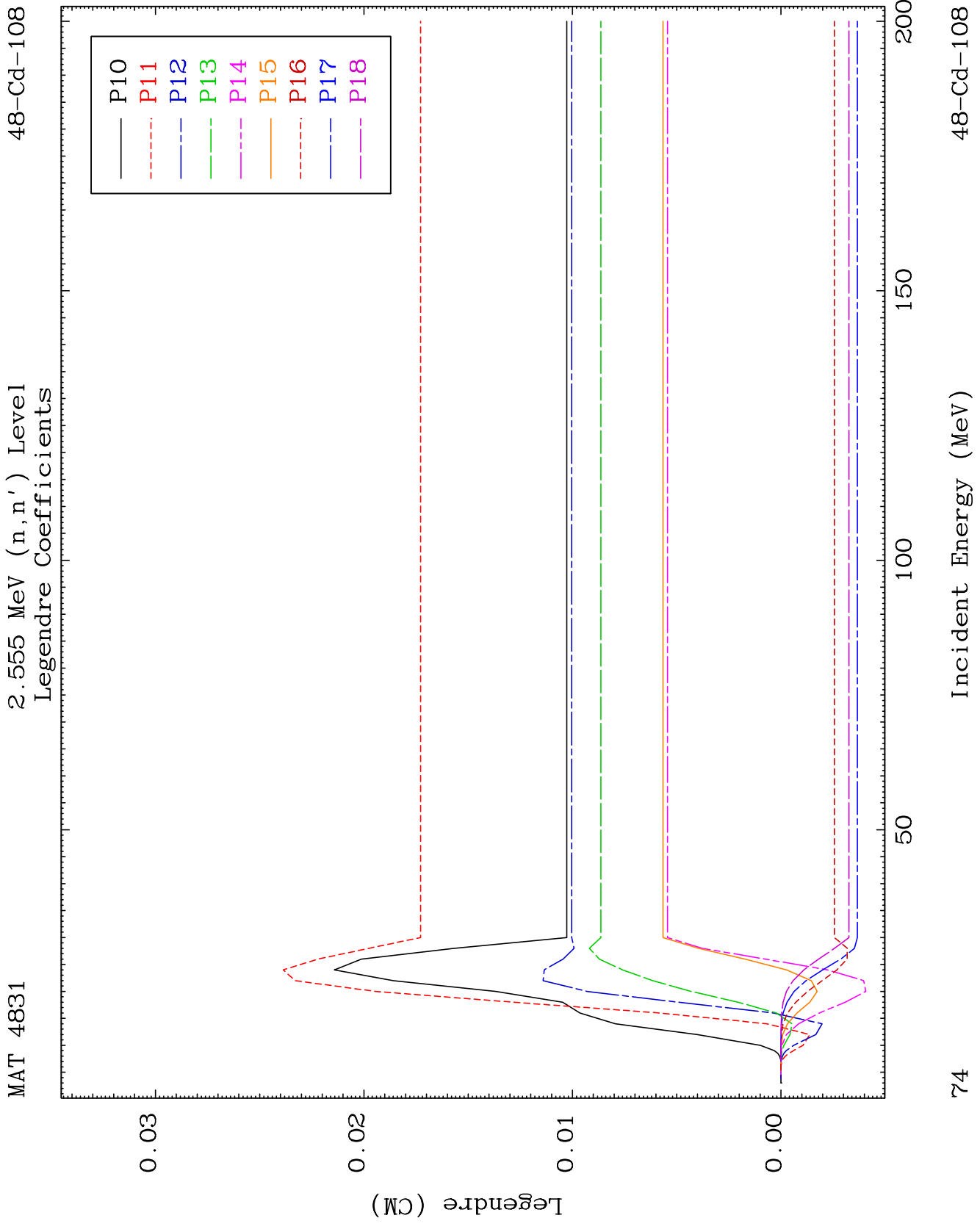
48-Cd-108

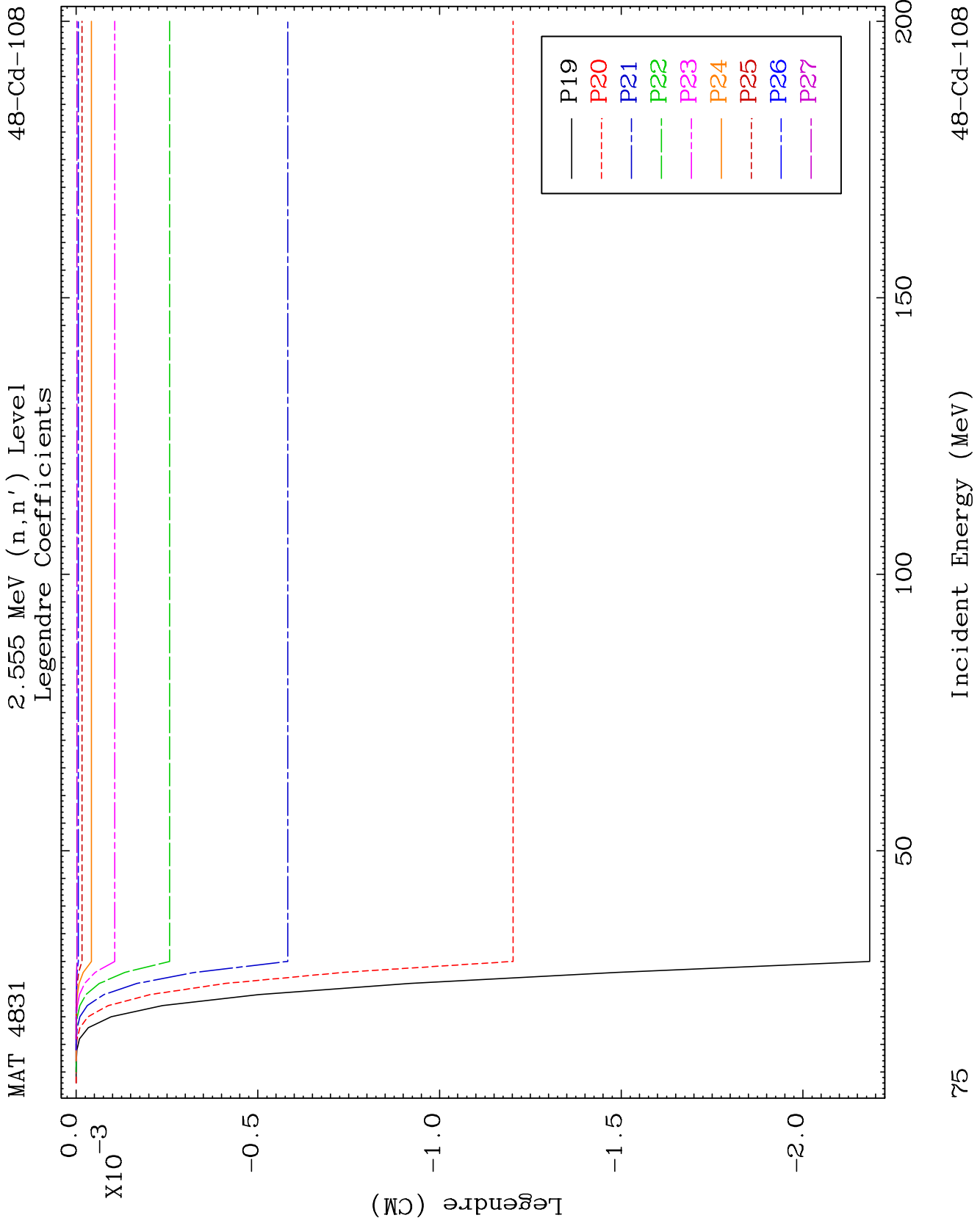


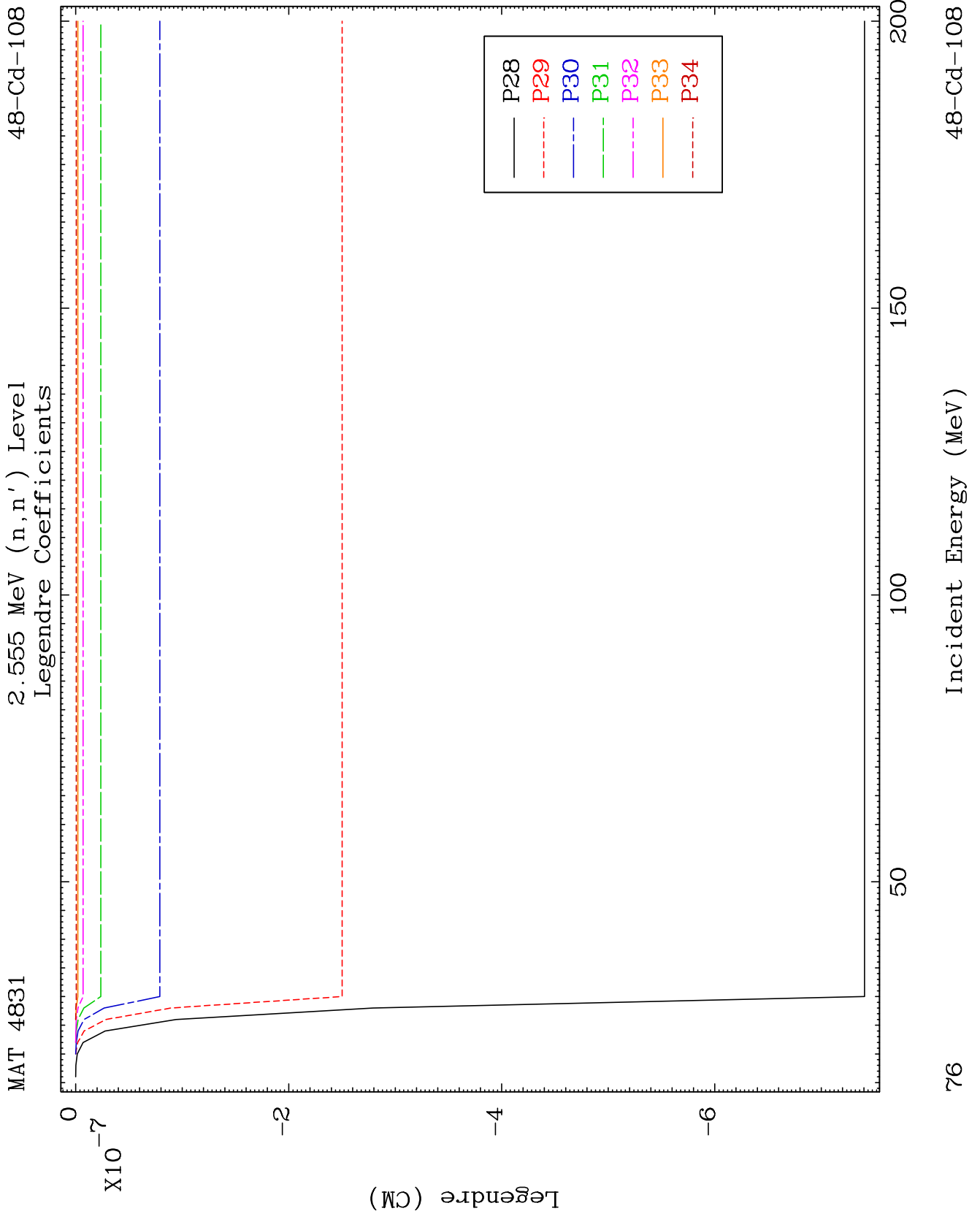
73

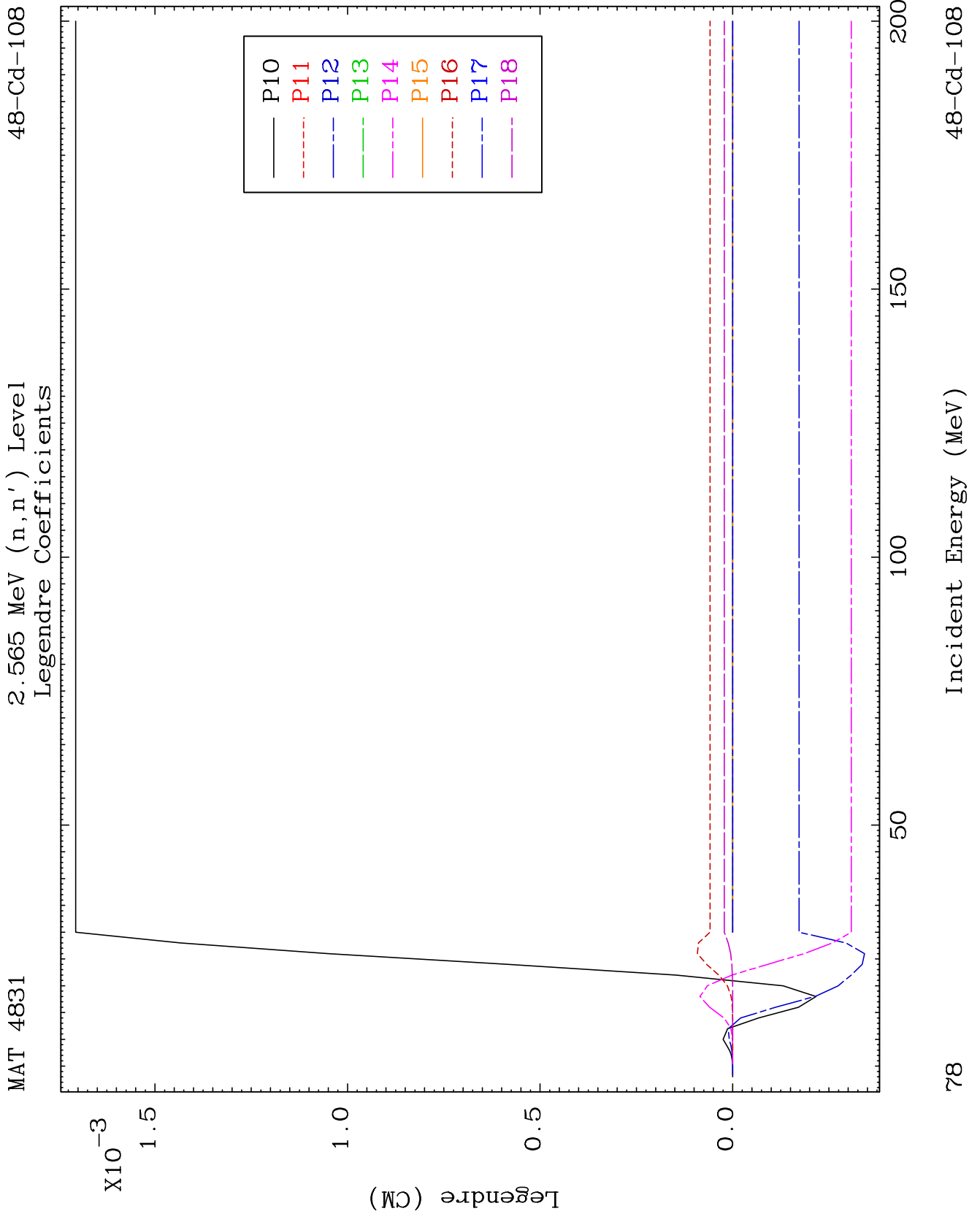
Incident Energy (MeV)

48-Cd-108





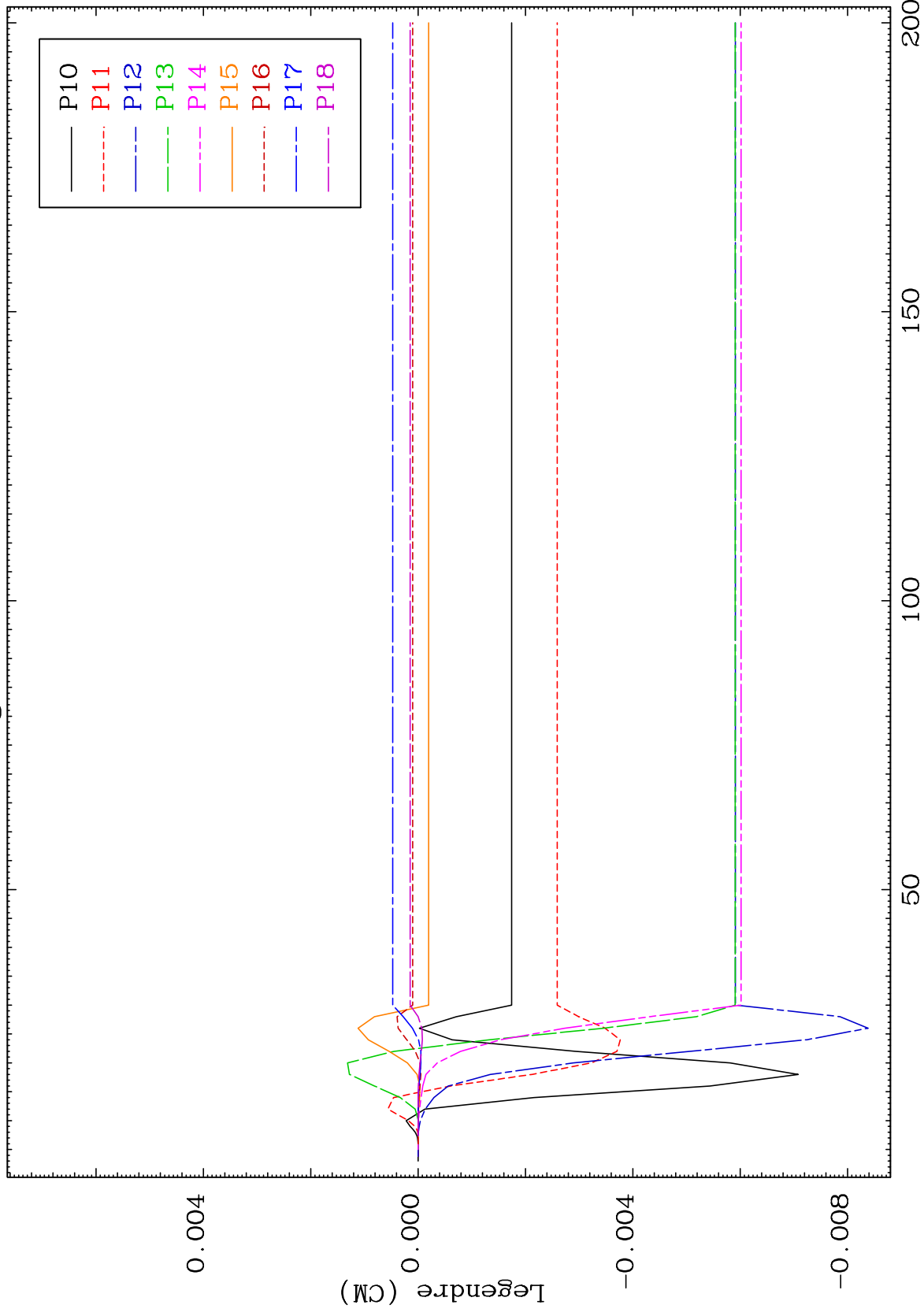




MAT 4831

2.602 MeV (n,n') Level
Legendre Coefficients

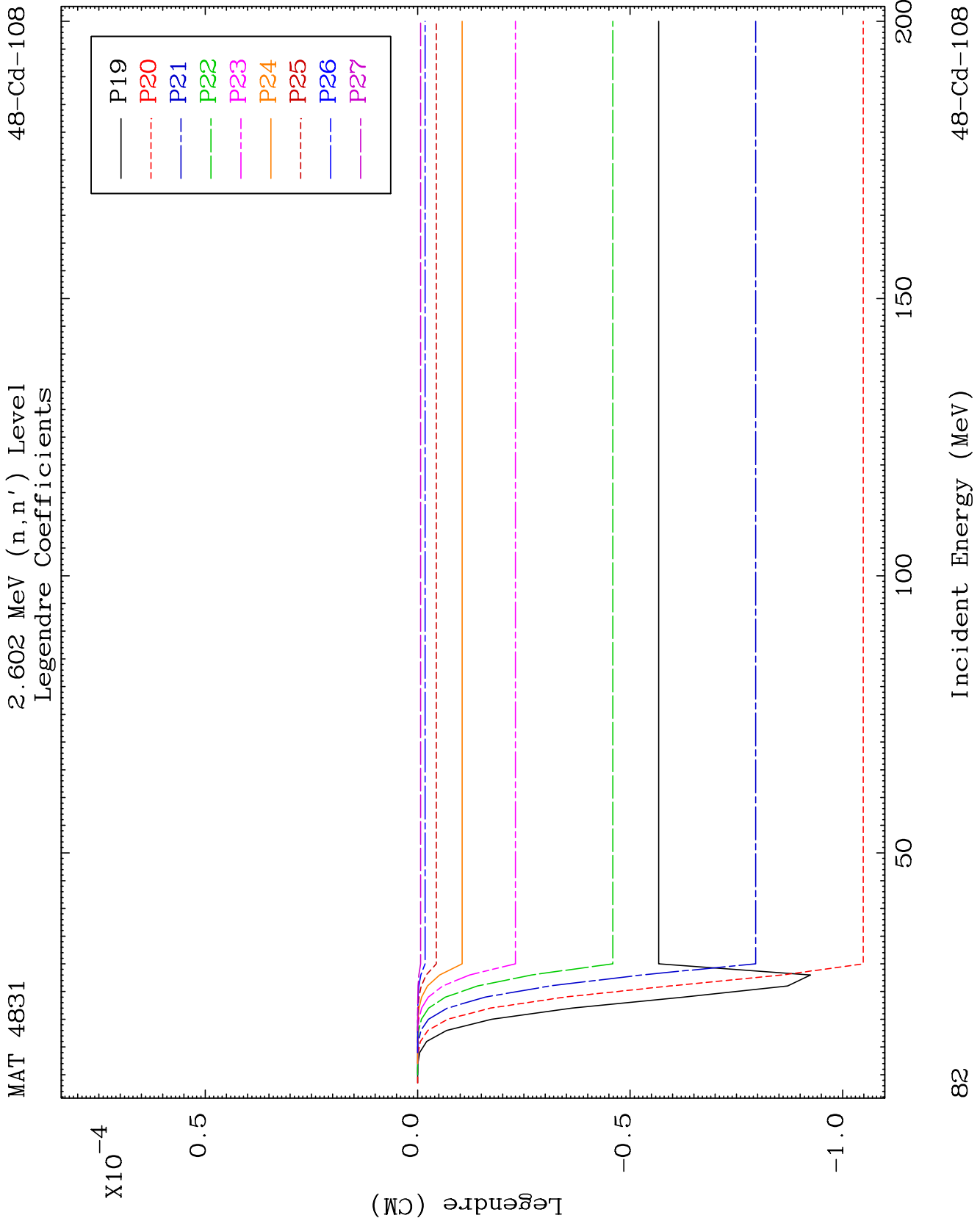
48-Cd-108

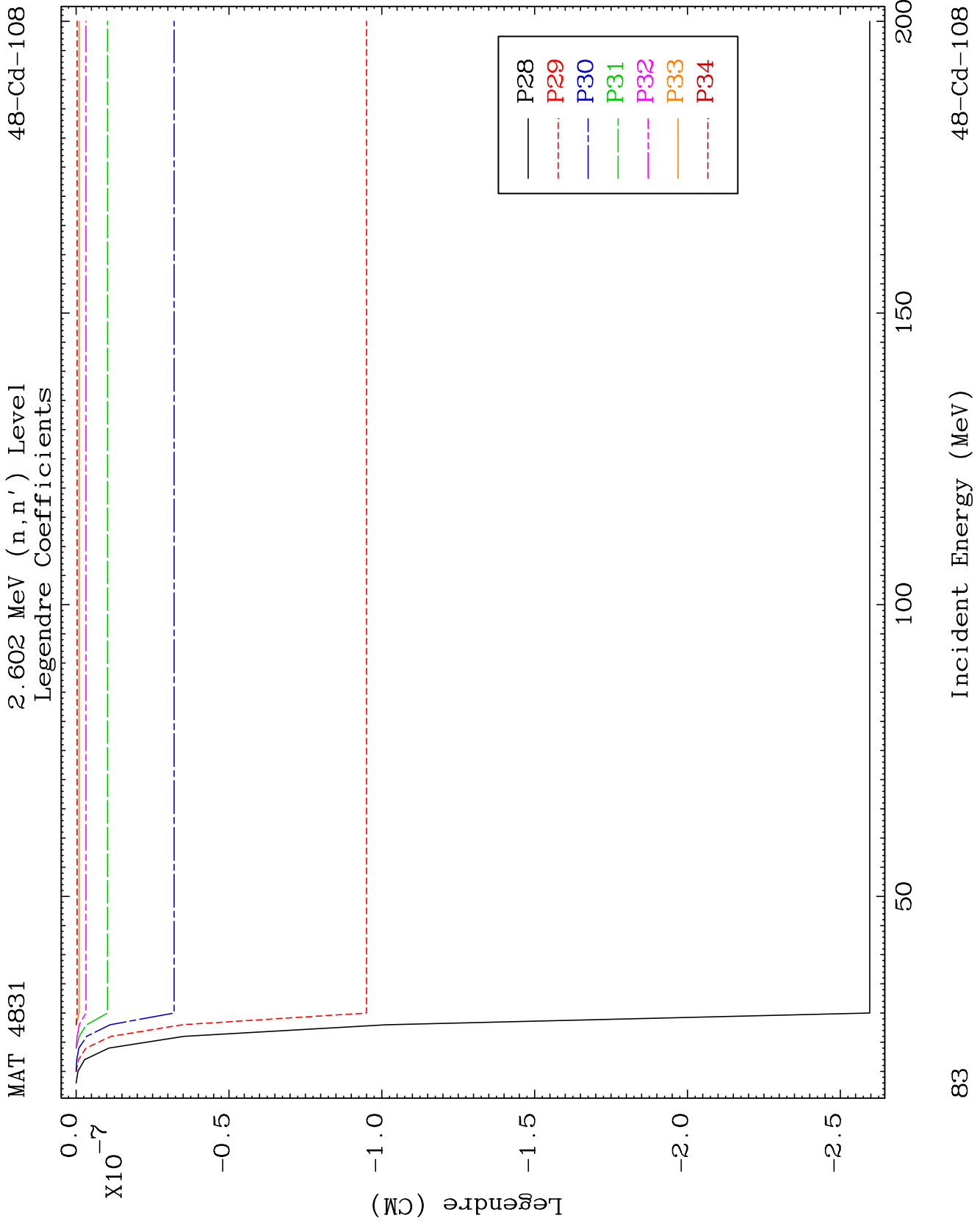


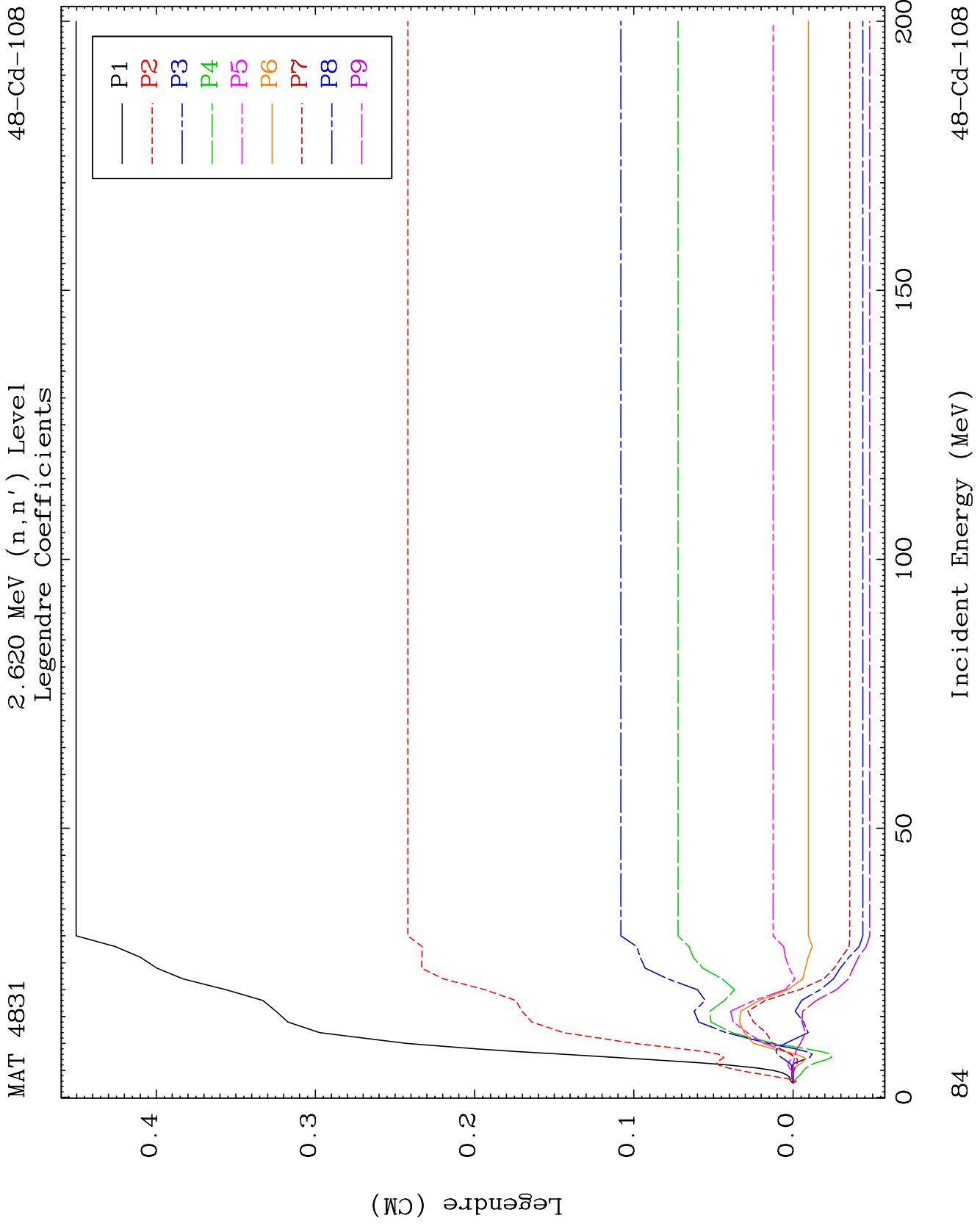
81

Incident Energy (MeV)

48-Cd-108



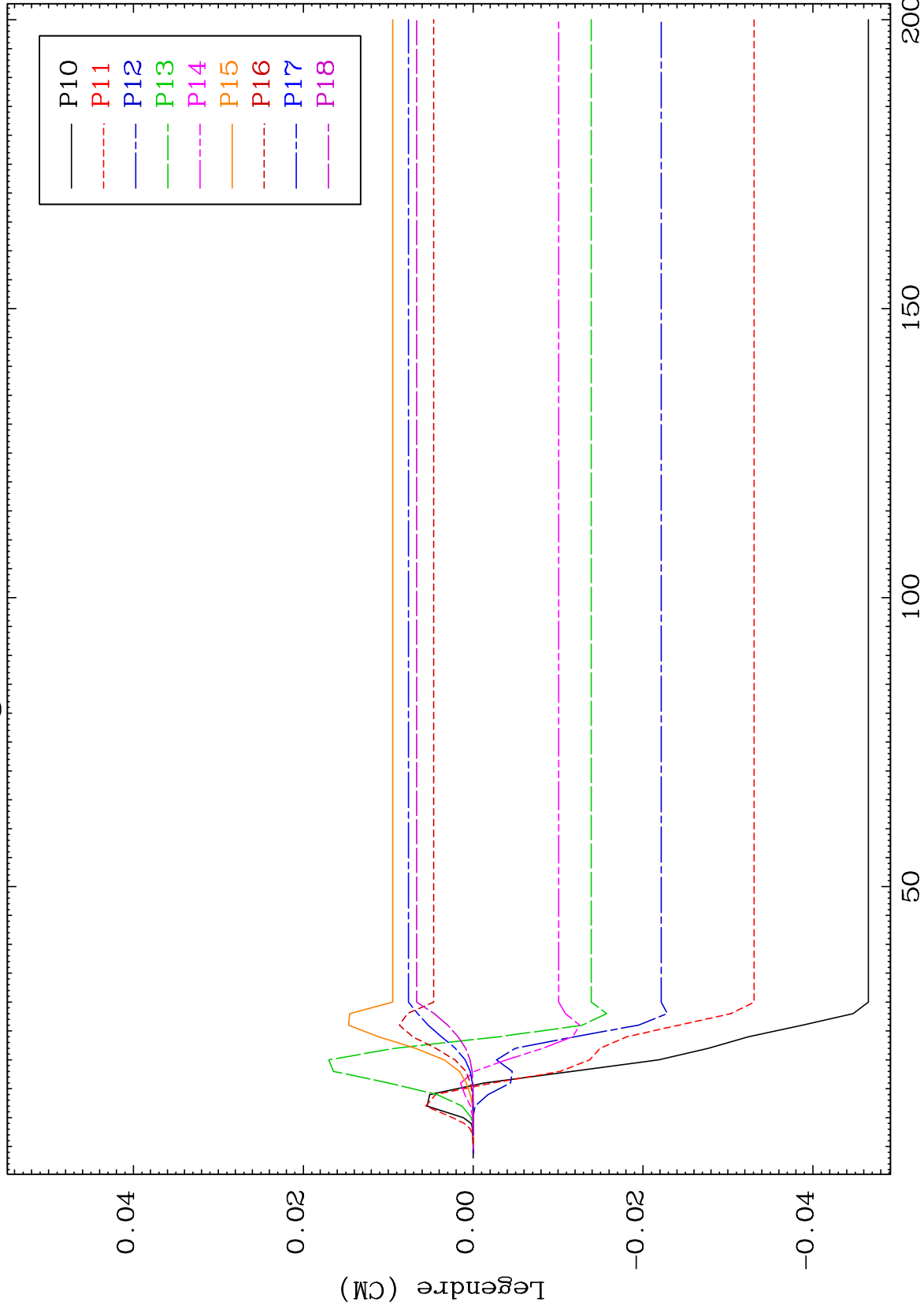




MAT 4831

2.620 MeV (n,n') Level
Legendre Coefficients

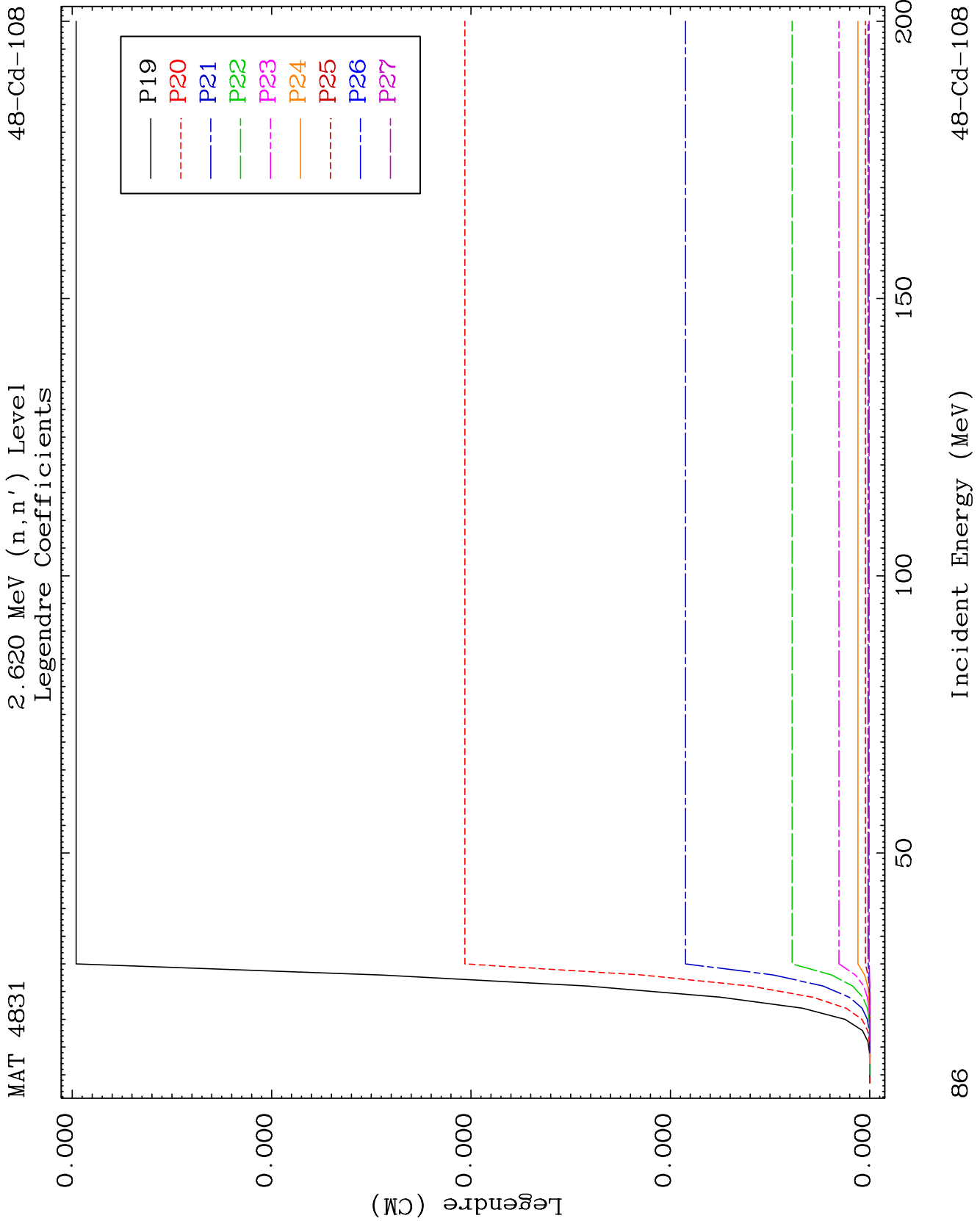
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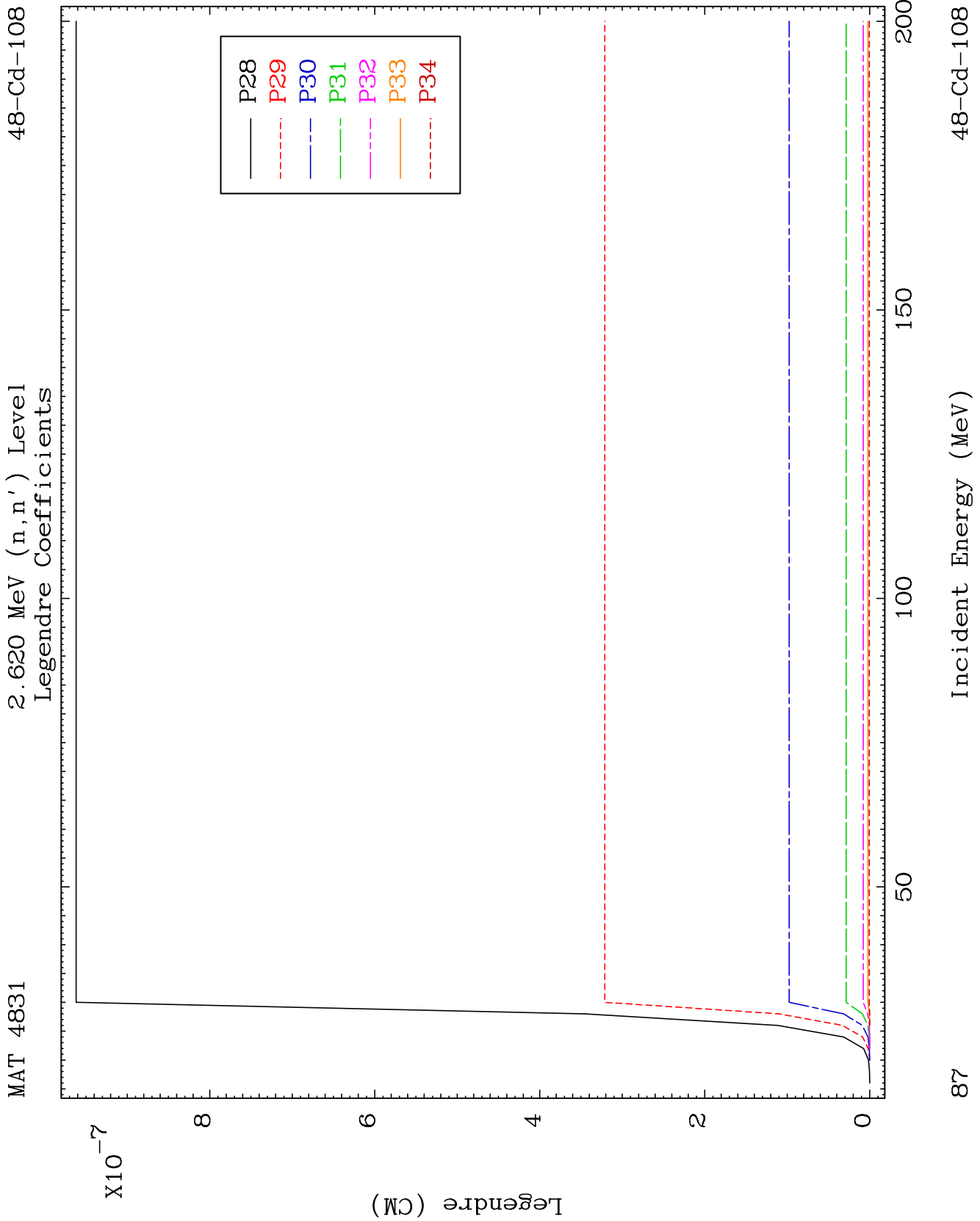


85

Incident Energy (MeV)

48-Cd-108

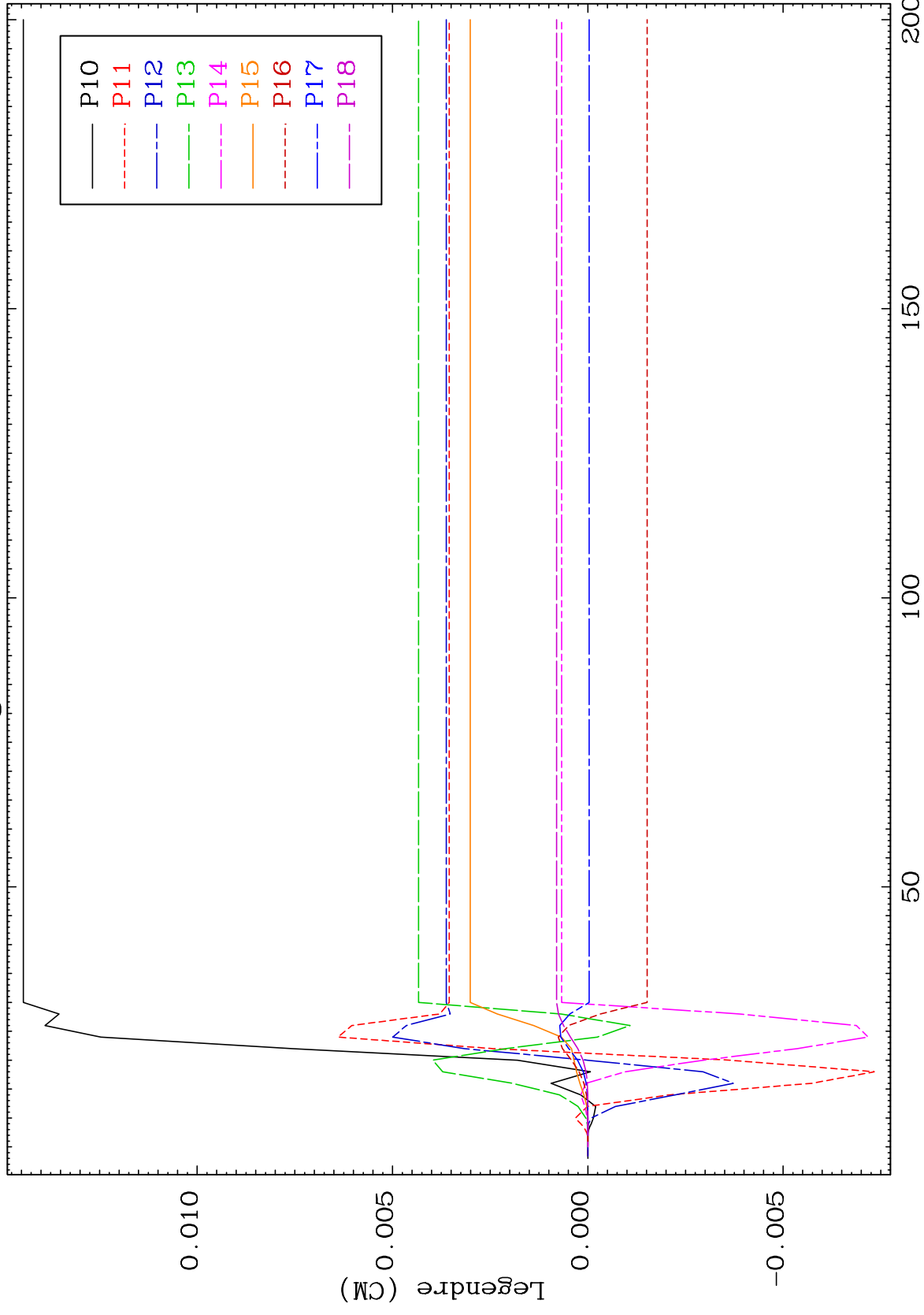




MAT 4831

2.646 MeV (n,n') Level
Legendre Coefficients

48-Cd-108



89

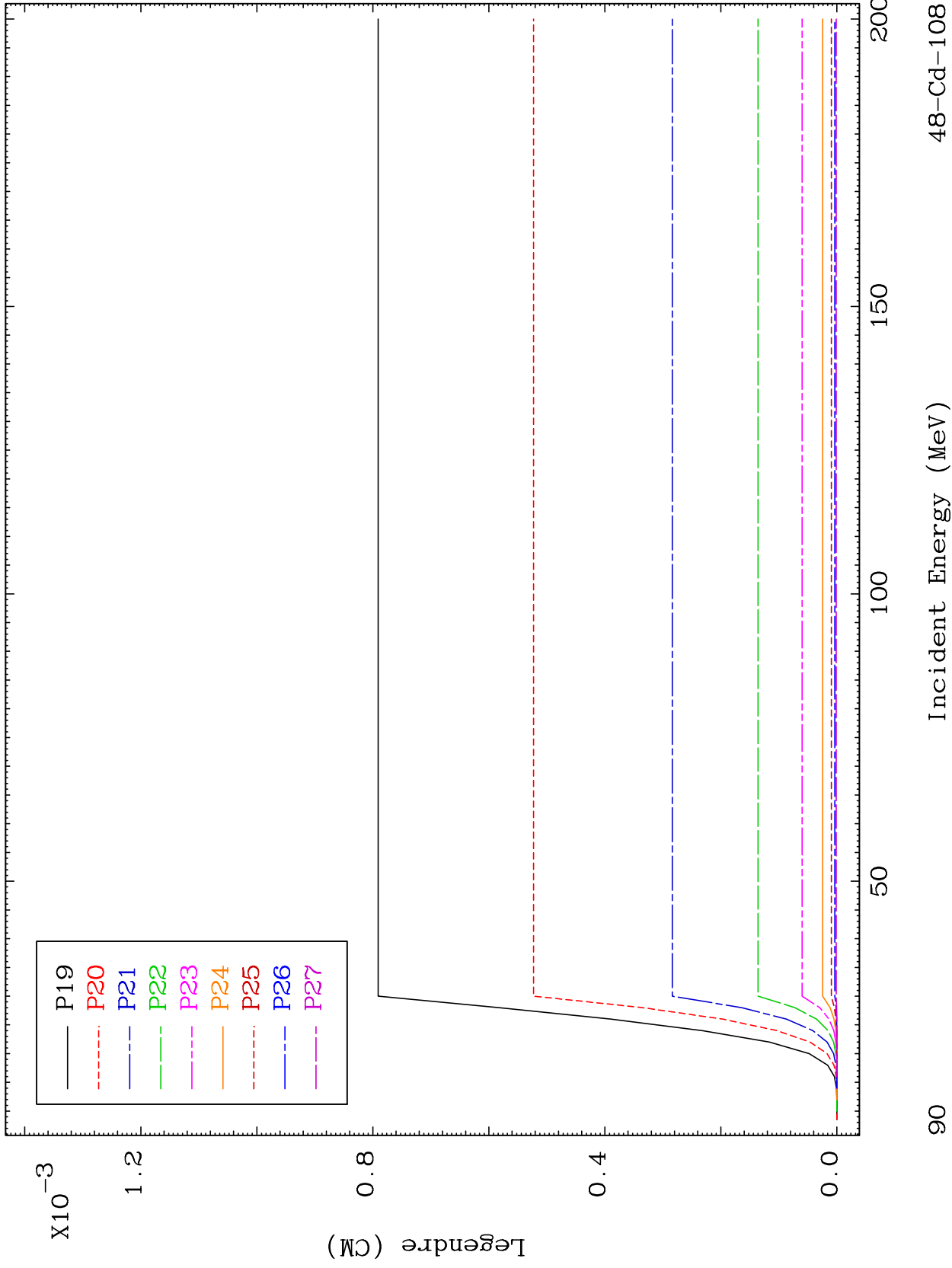
Incident Energy (MeV)

48-Cd-108

MAT 4831

2.646 MeV (n, n') Level
Legendre Coefficients

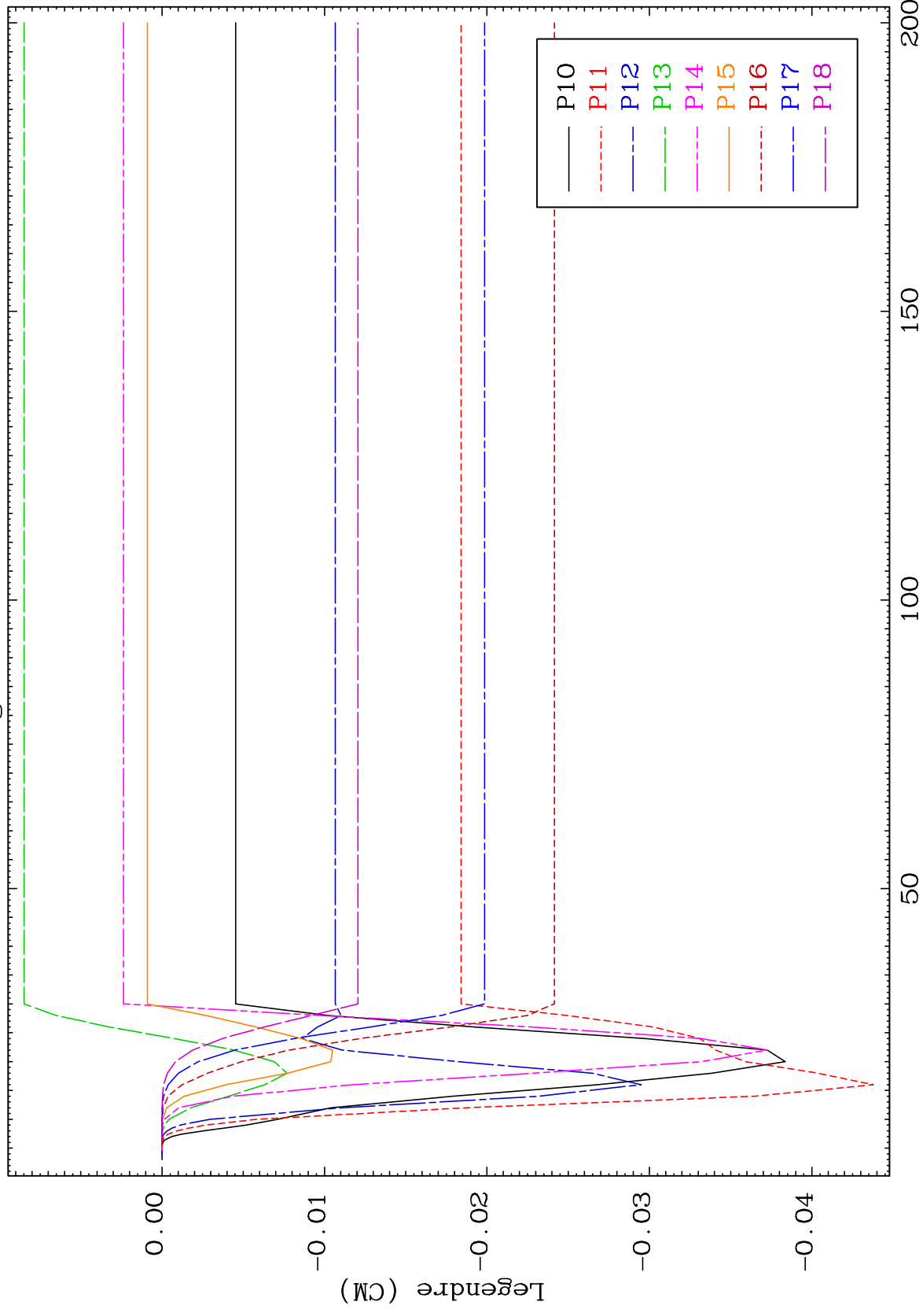
48-Cd-108



MAT 4831

2.678 MeV (n,n') Level
Legendre Coefficients

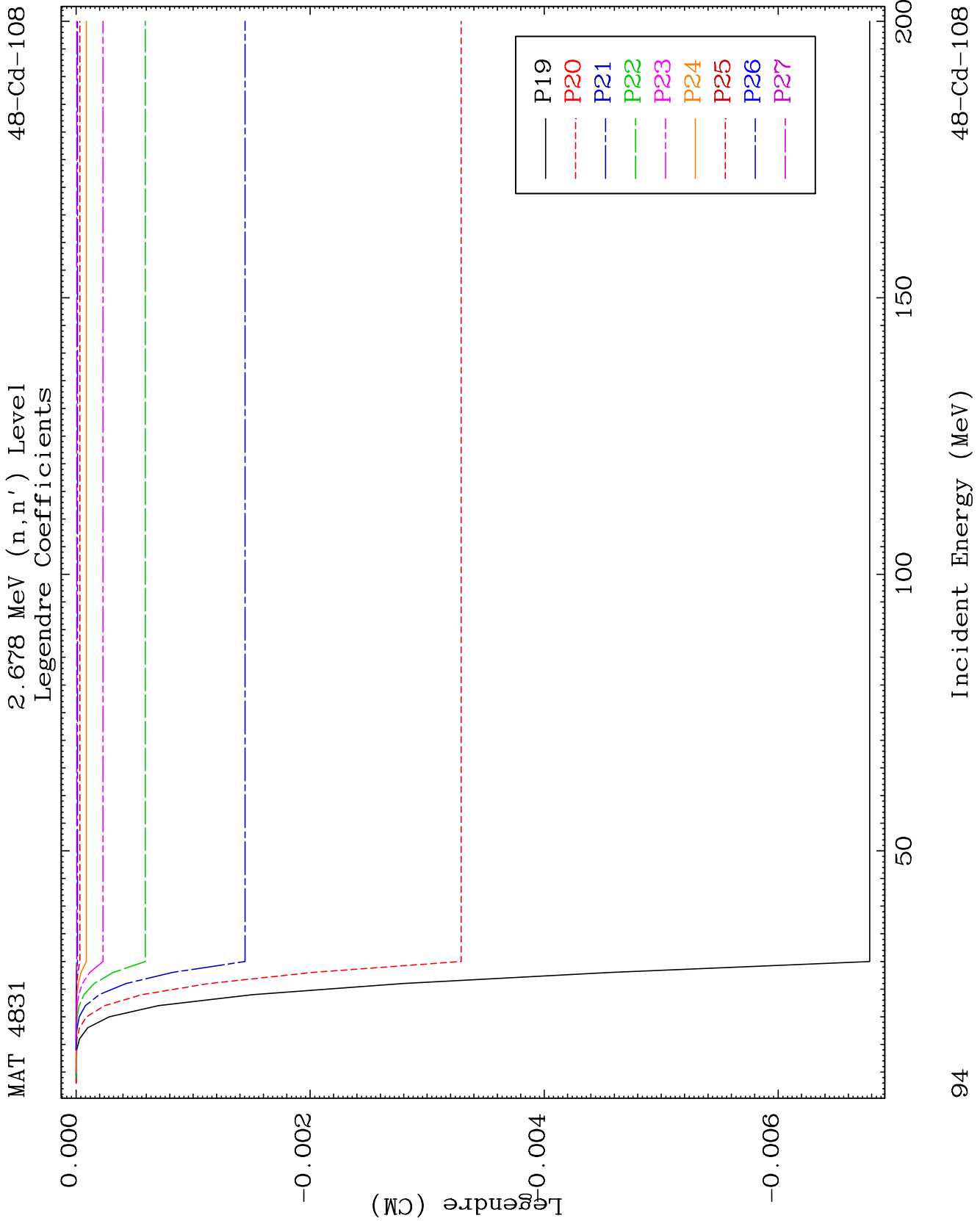
48-Cd-108

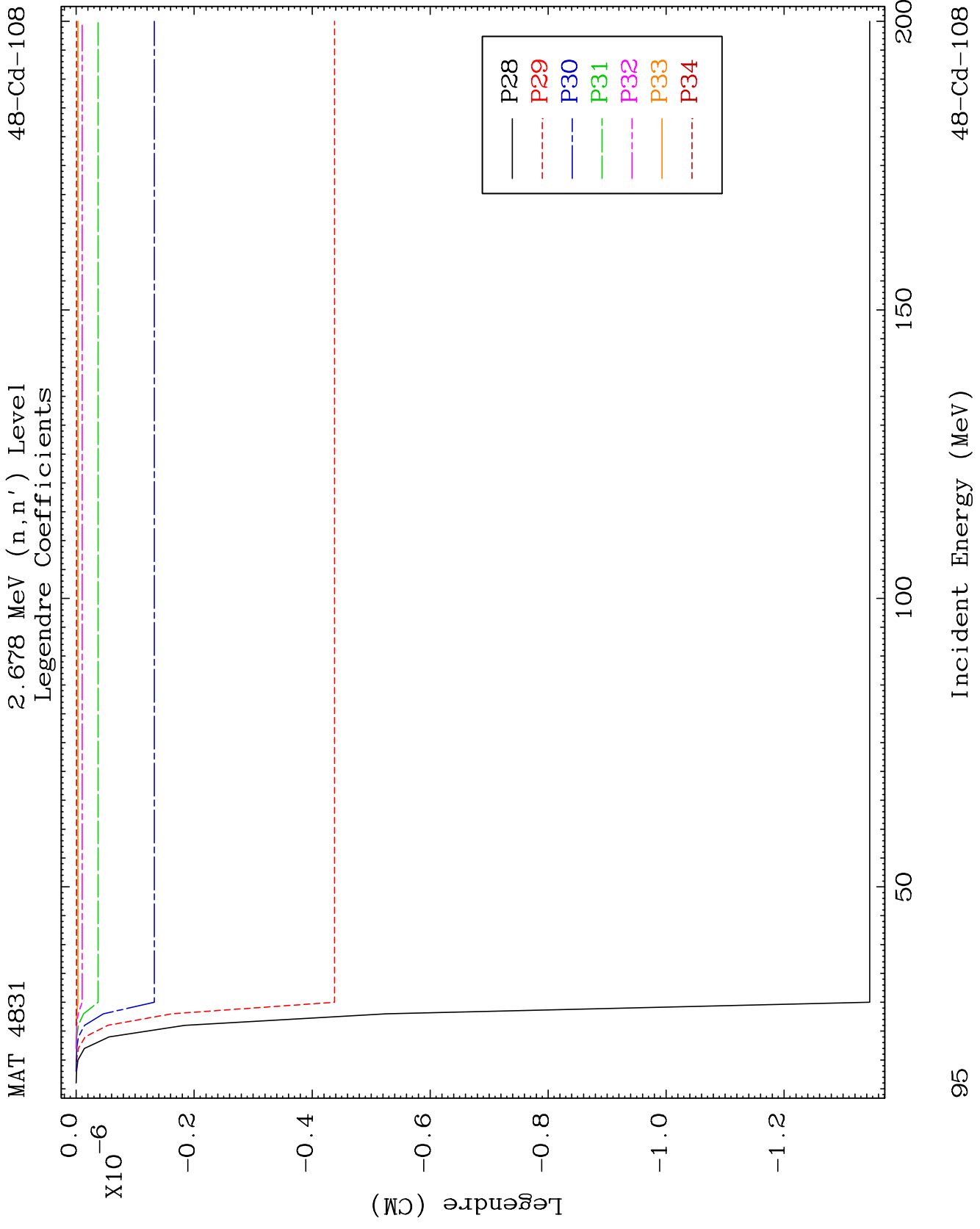


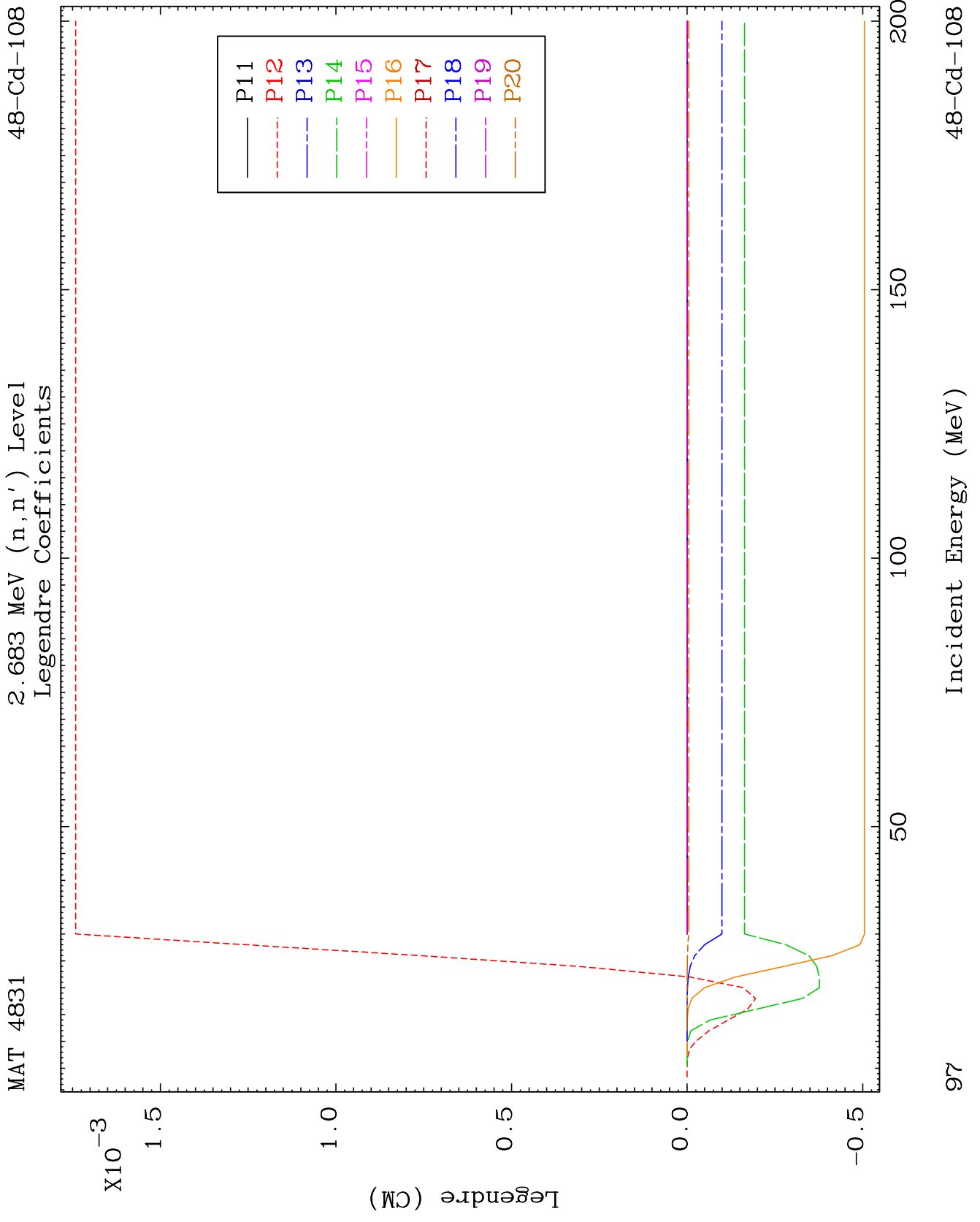
93

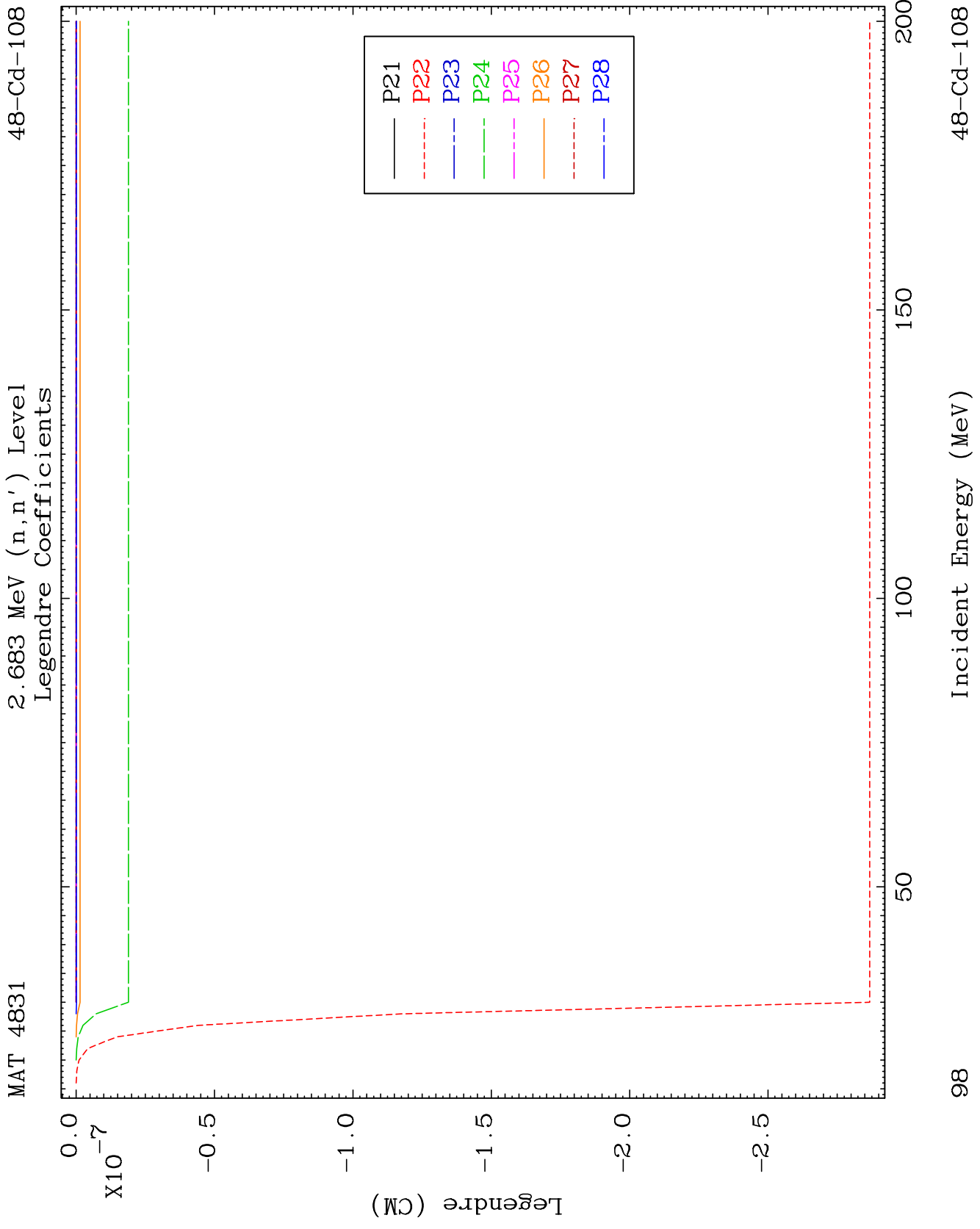
Incident Energy (MeV)

48-Cd-108





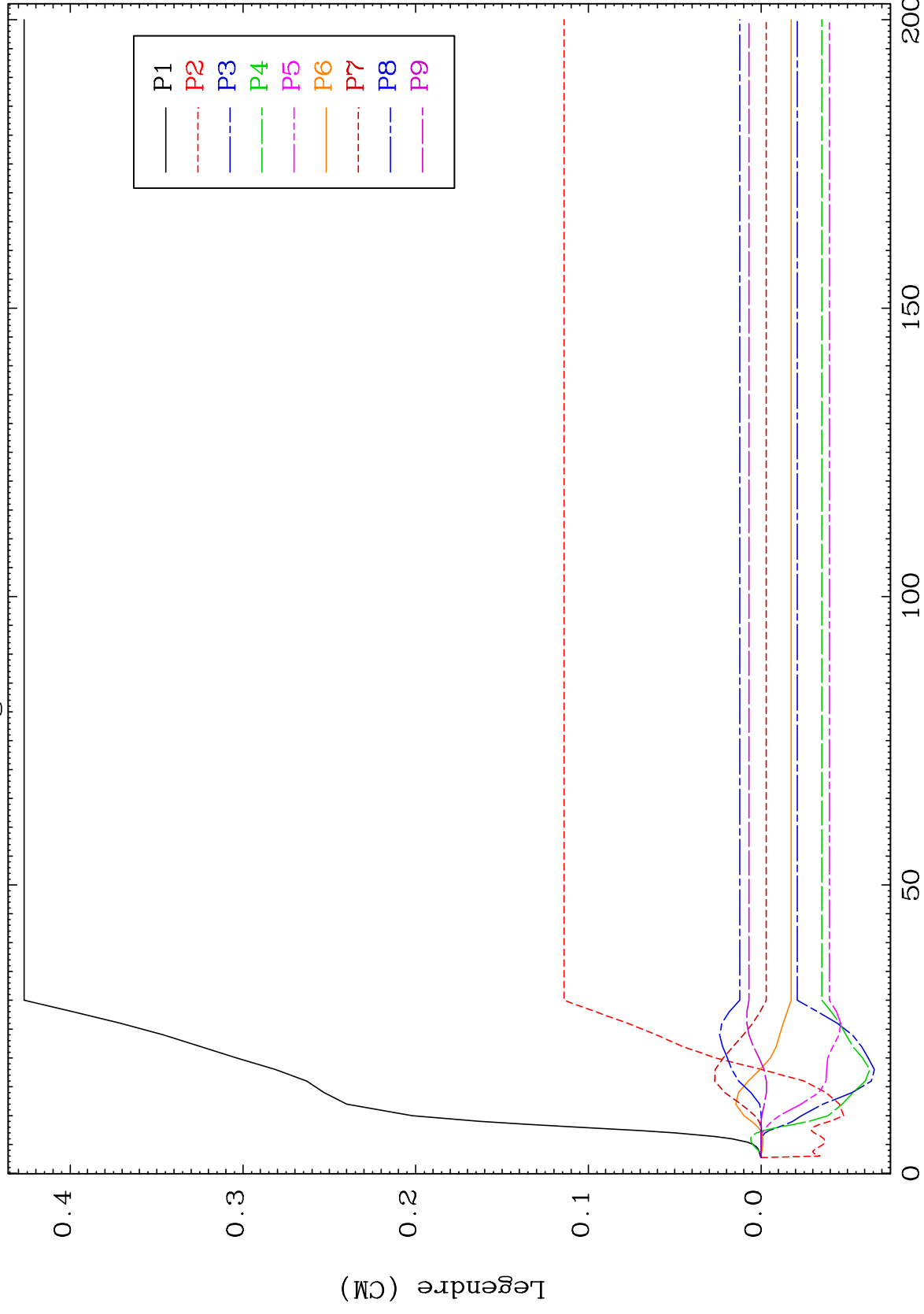




MAT 4831

2.707 MeV (n,n') Level
Legendre Coefficients

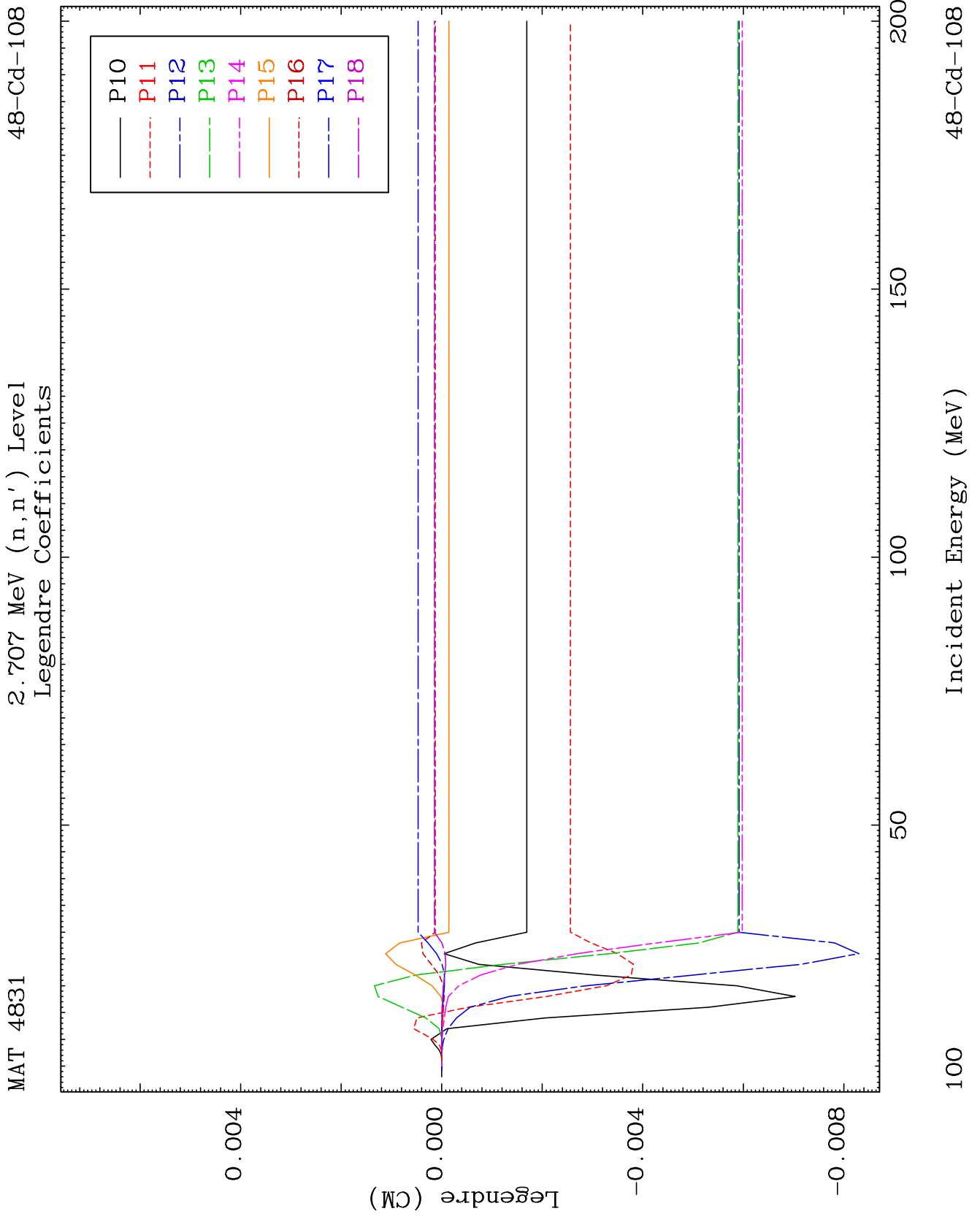
48-Cd-108

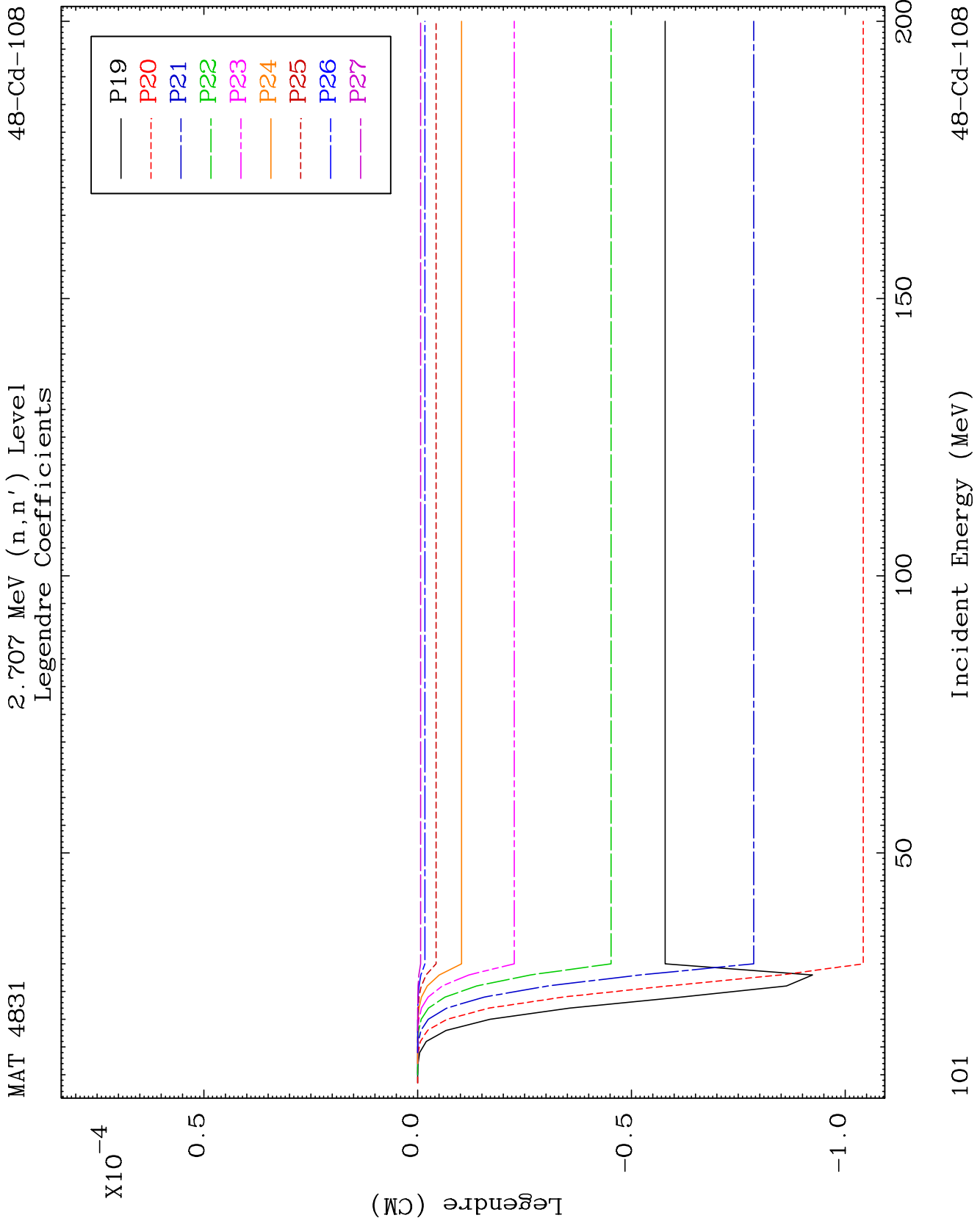


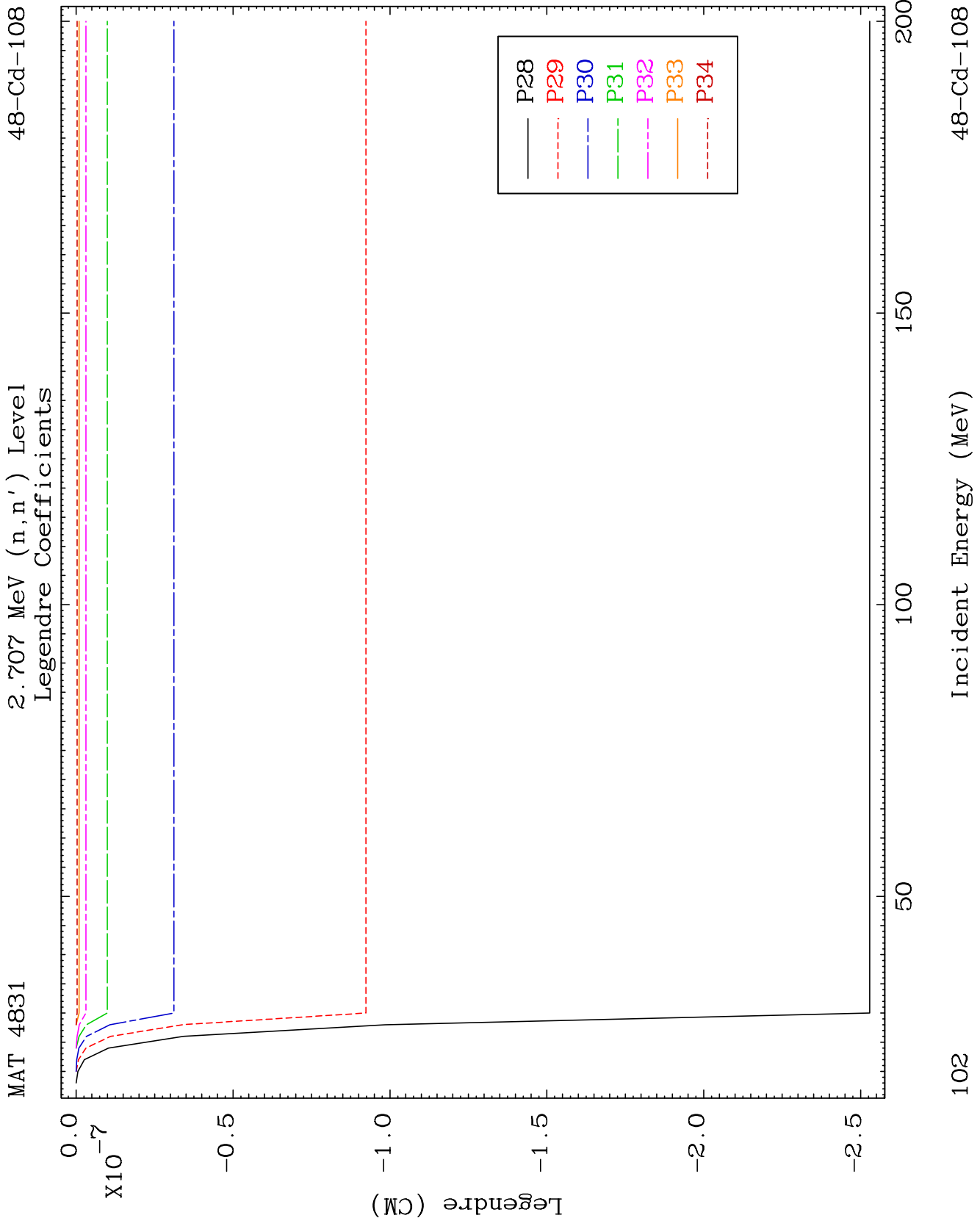
99

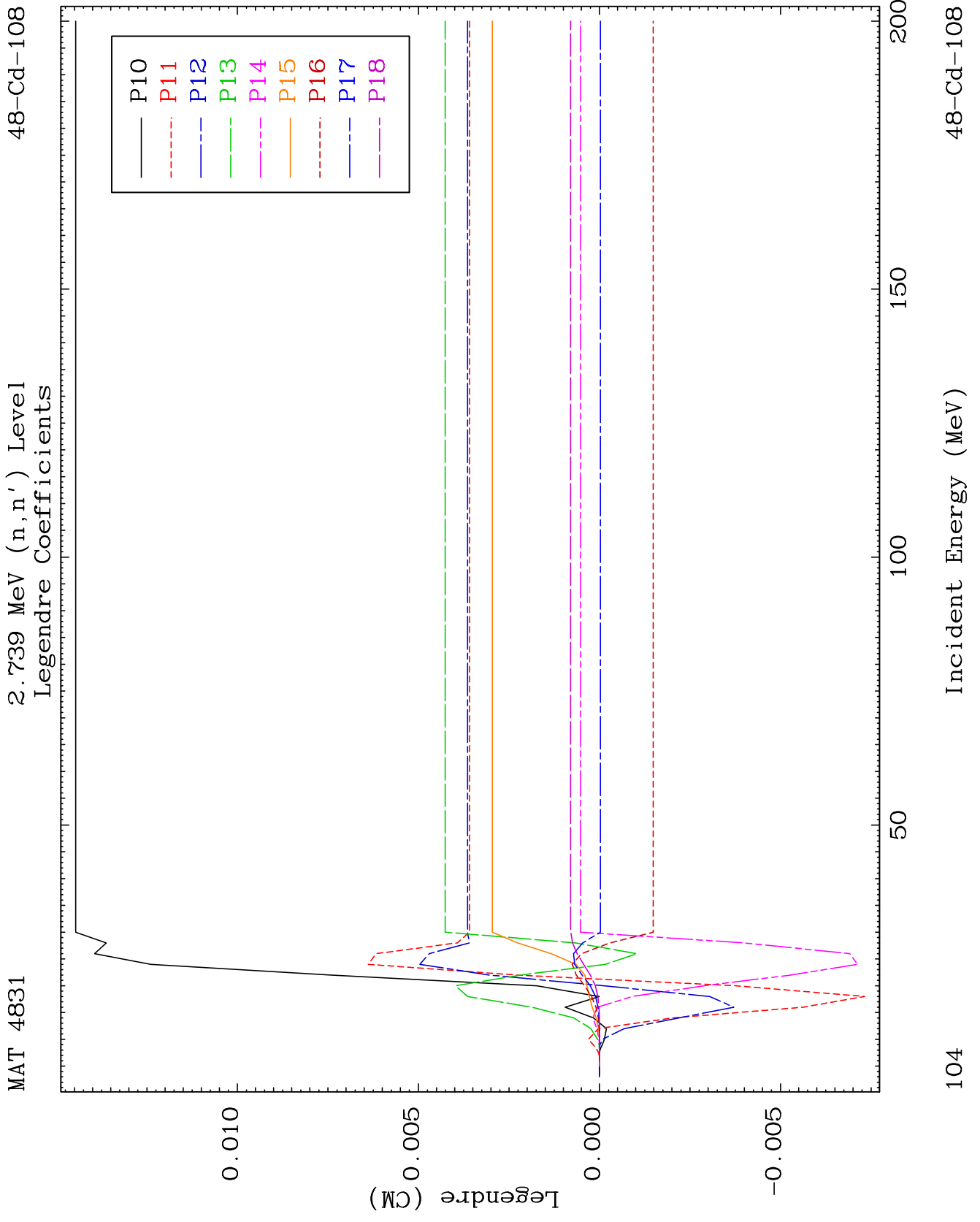
Incident Energy (MeV)

48-Cd-108





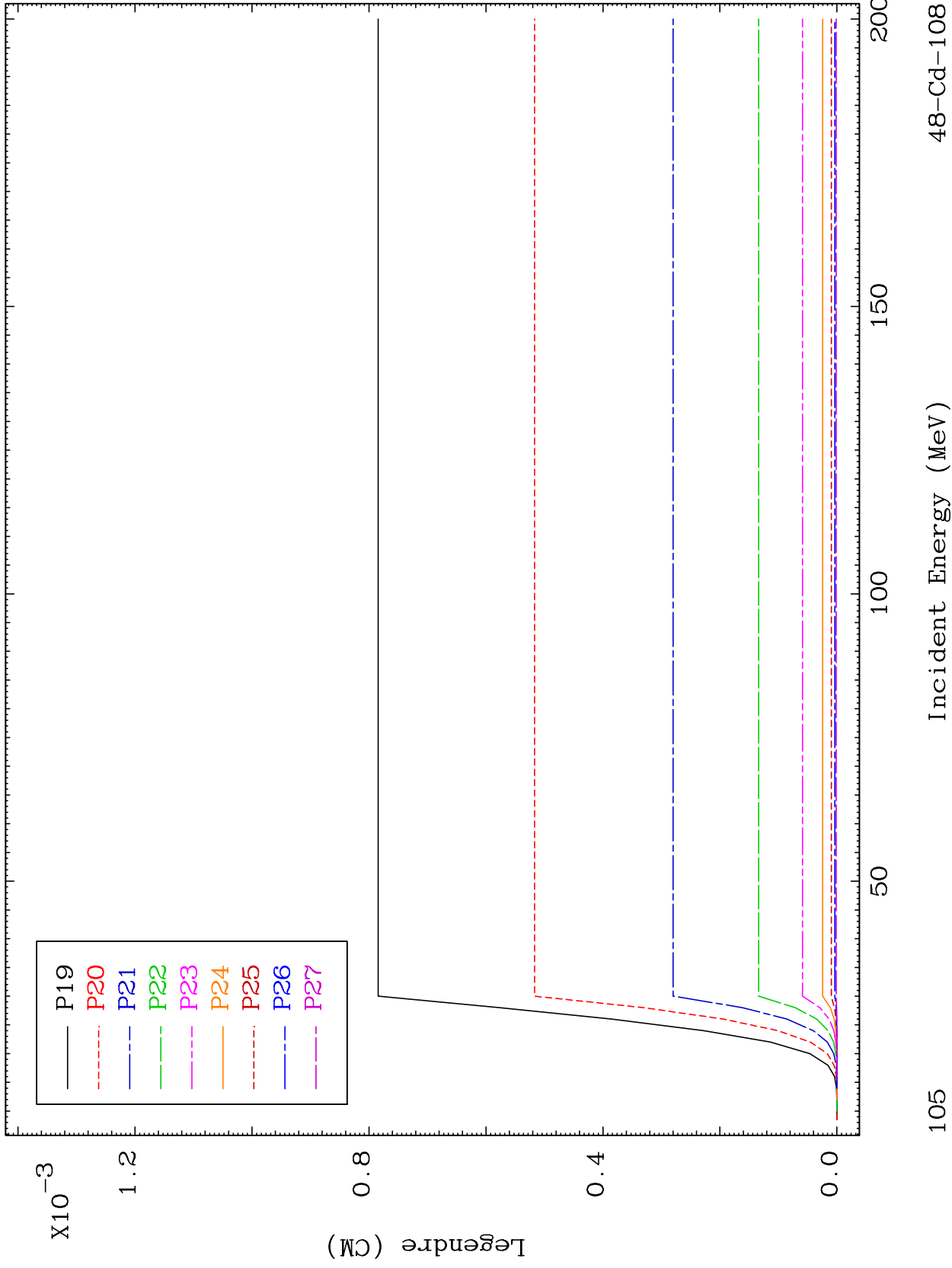




MAT 4831

2.739 MeV (n,n') Level
Legendre Coefficients

48-Cd-108



105

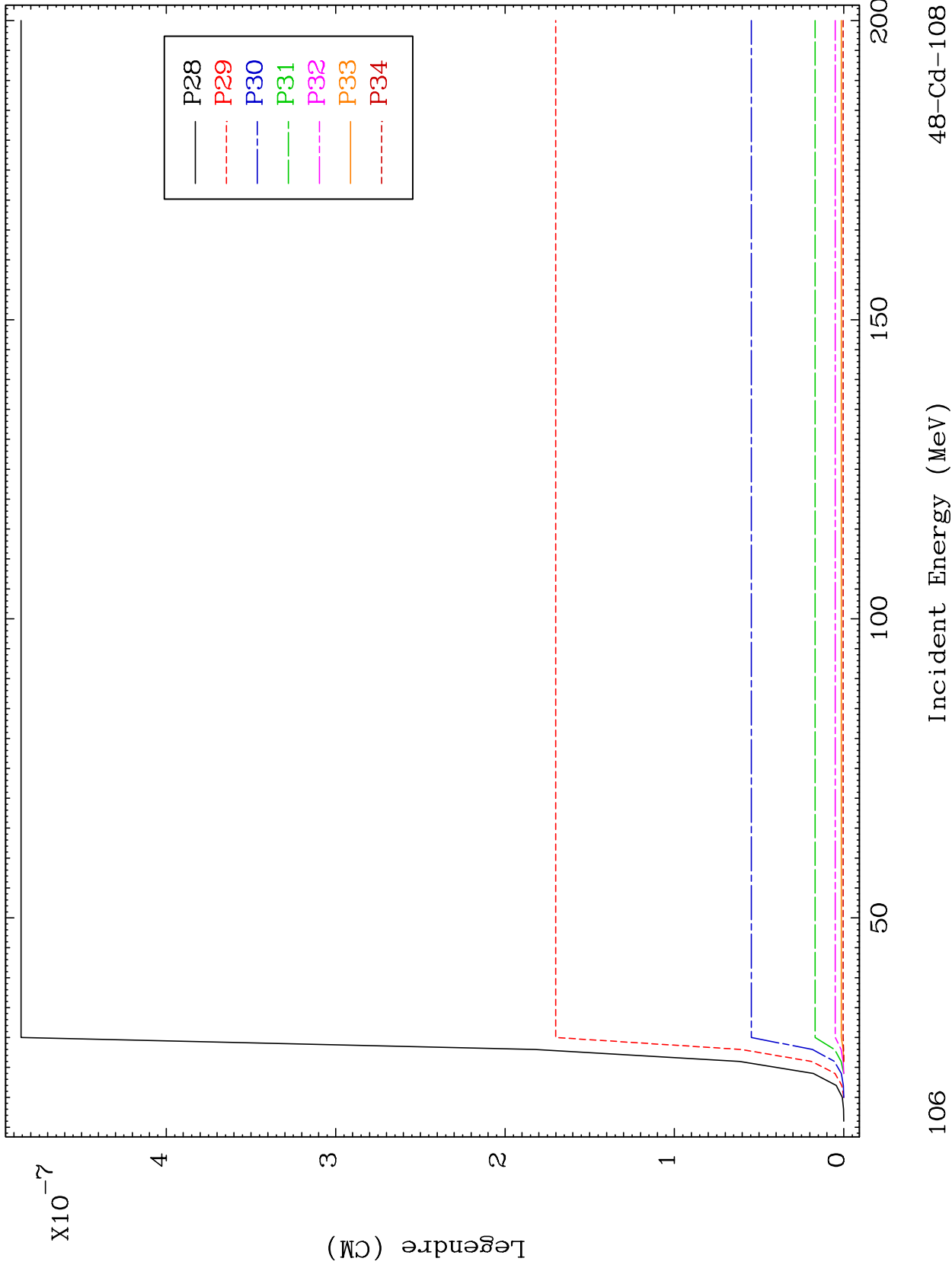
Incident Energy (MeV)

48-Cd-108

MAT 4831

2.739 MeV (n,n') Level
Legendre Coefficients

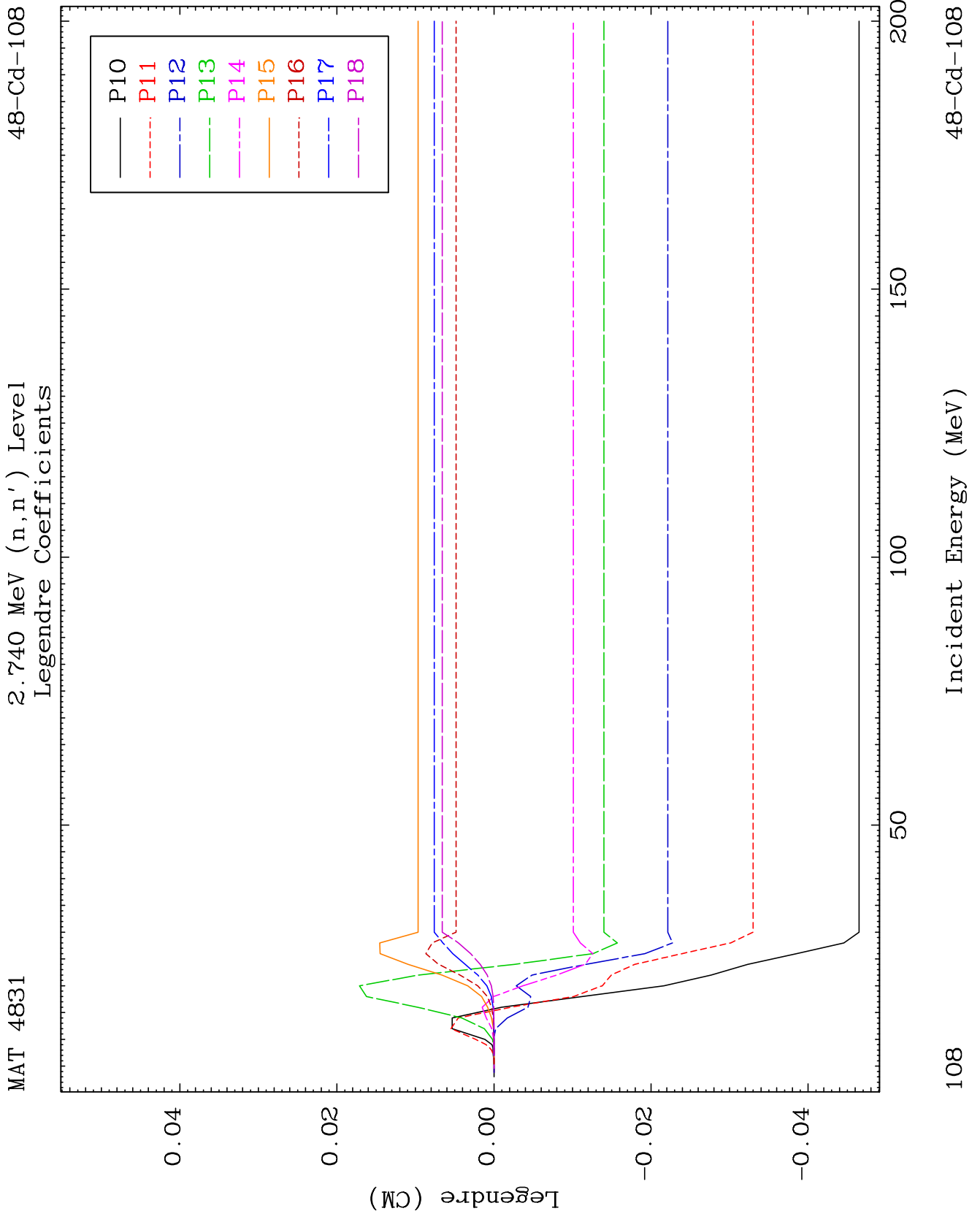
48-Cd-108

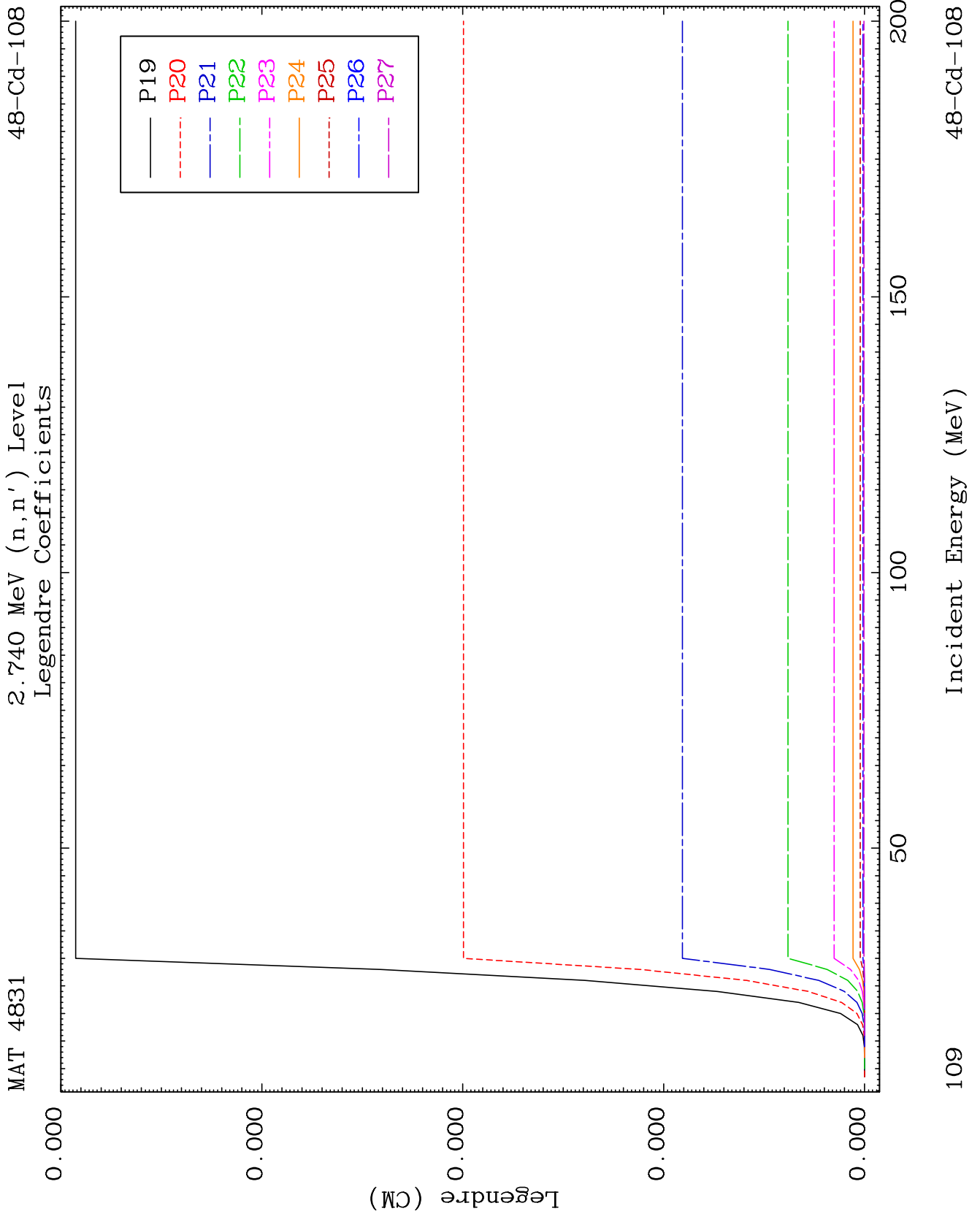


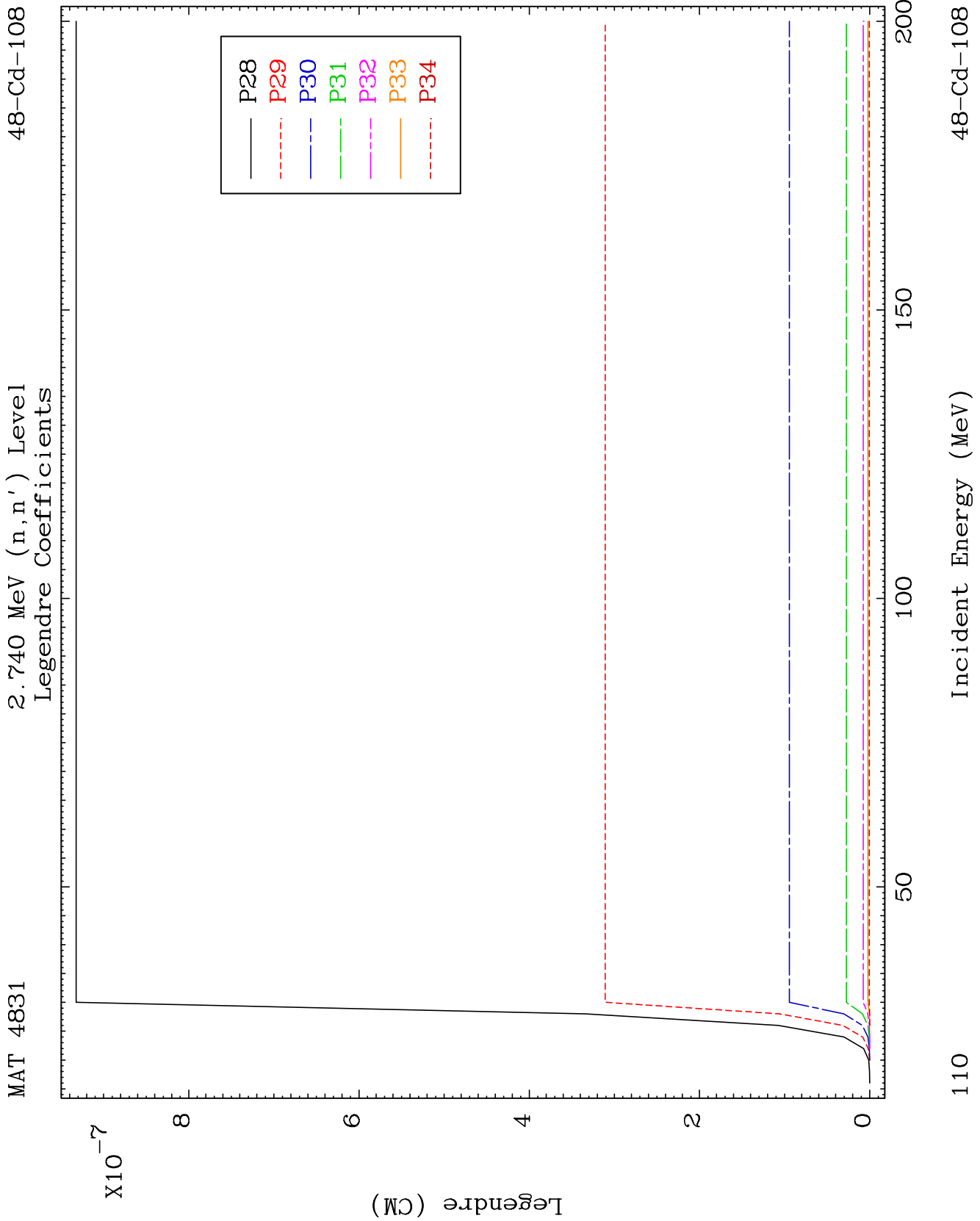
48-Cd-108

Incident Energy (MeV)

106



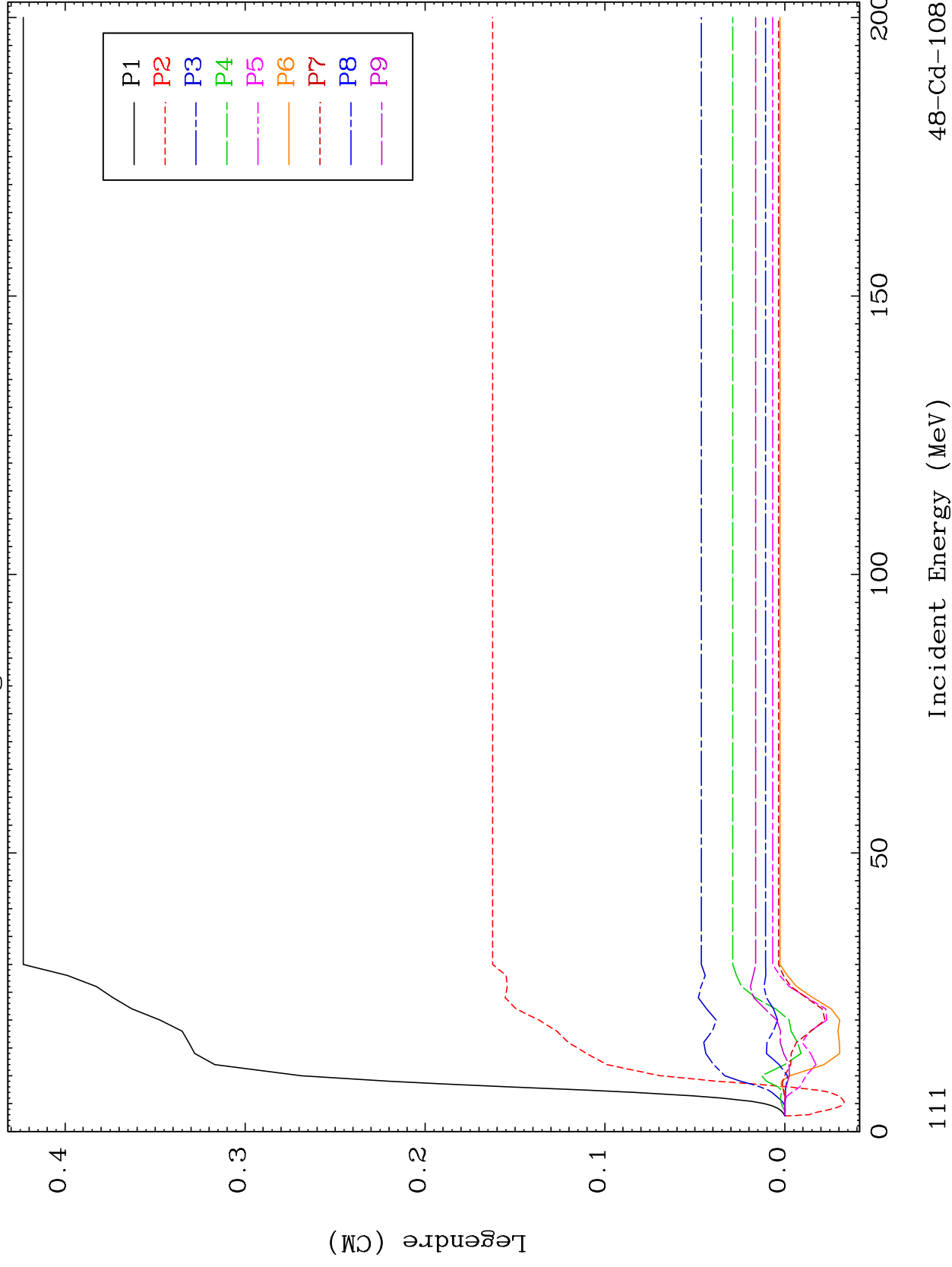




MAT 4831

2.755 MeV (n,n') Level
Legendre Coefficients

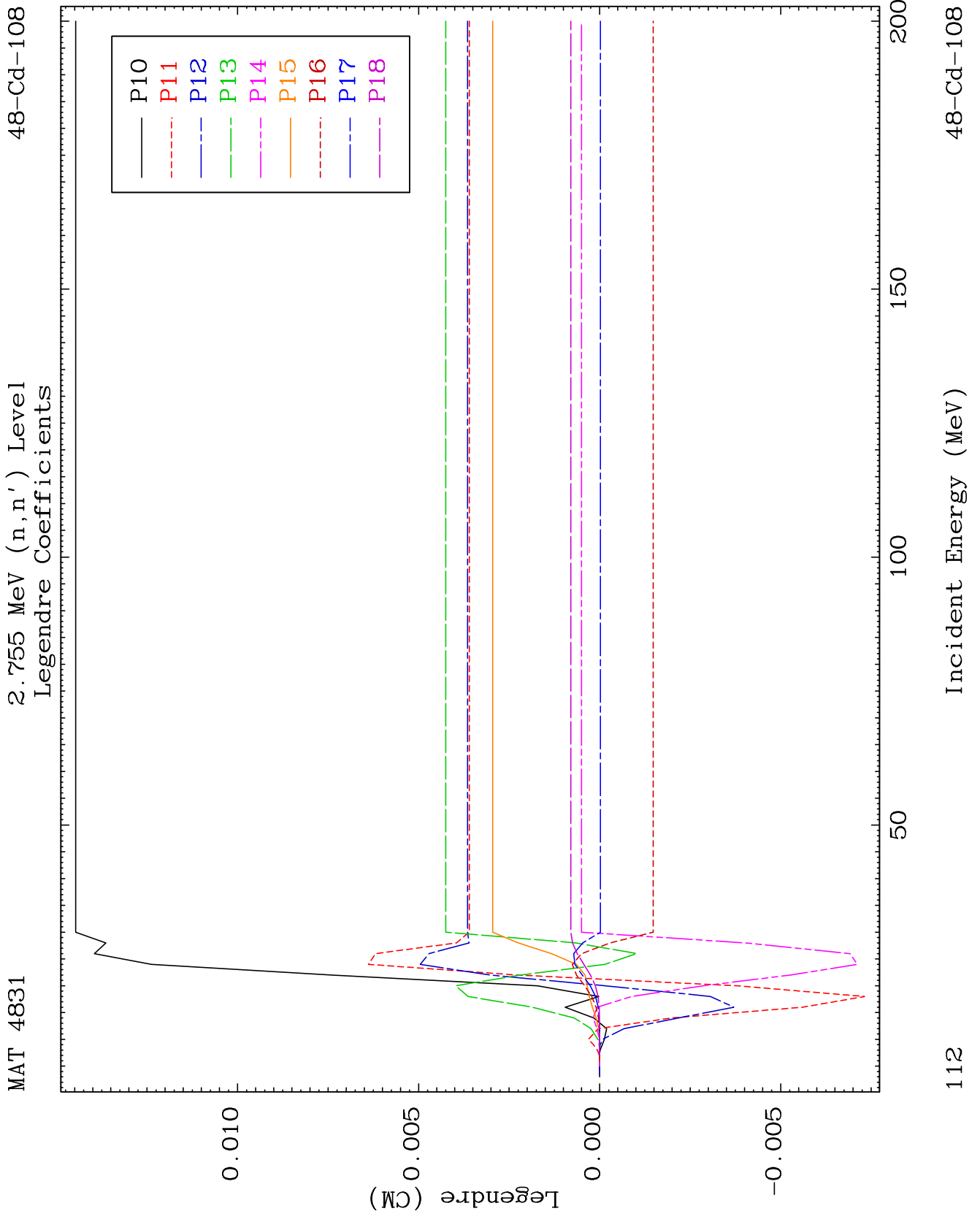
48-Cd-108



111

Incident Energy (MeV)

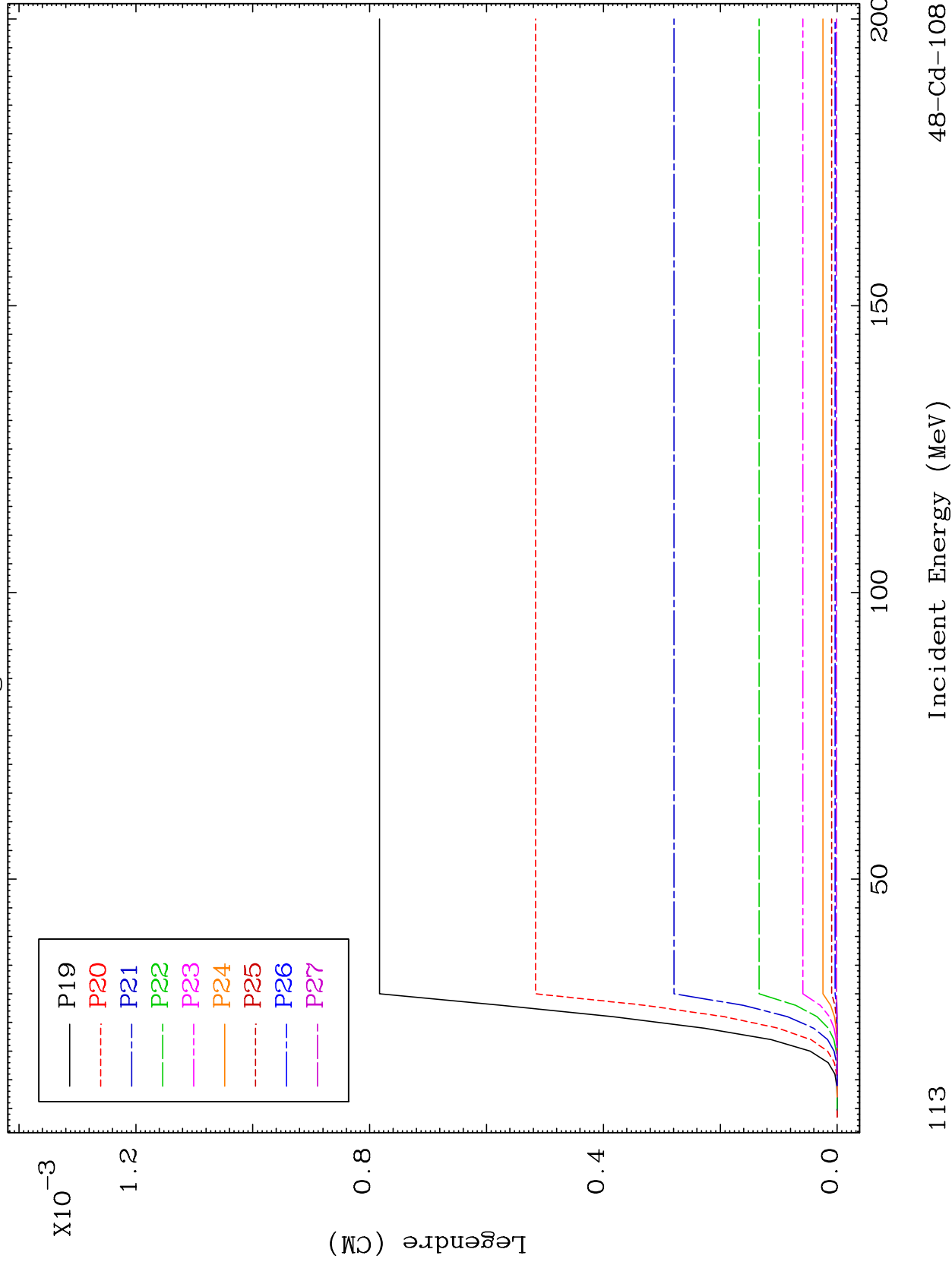
48-Cd-108



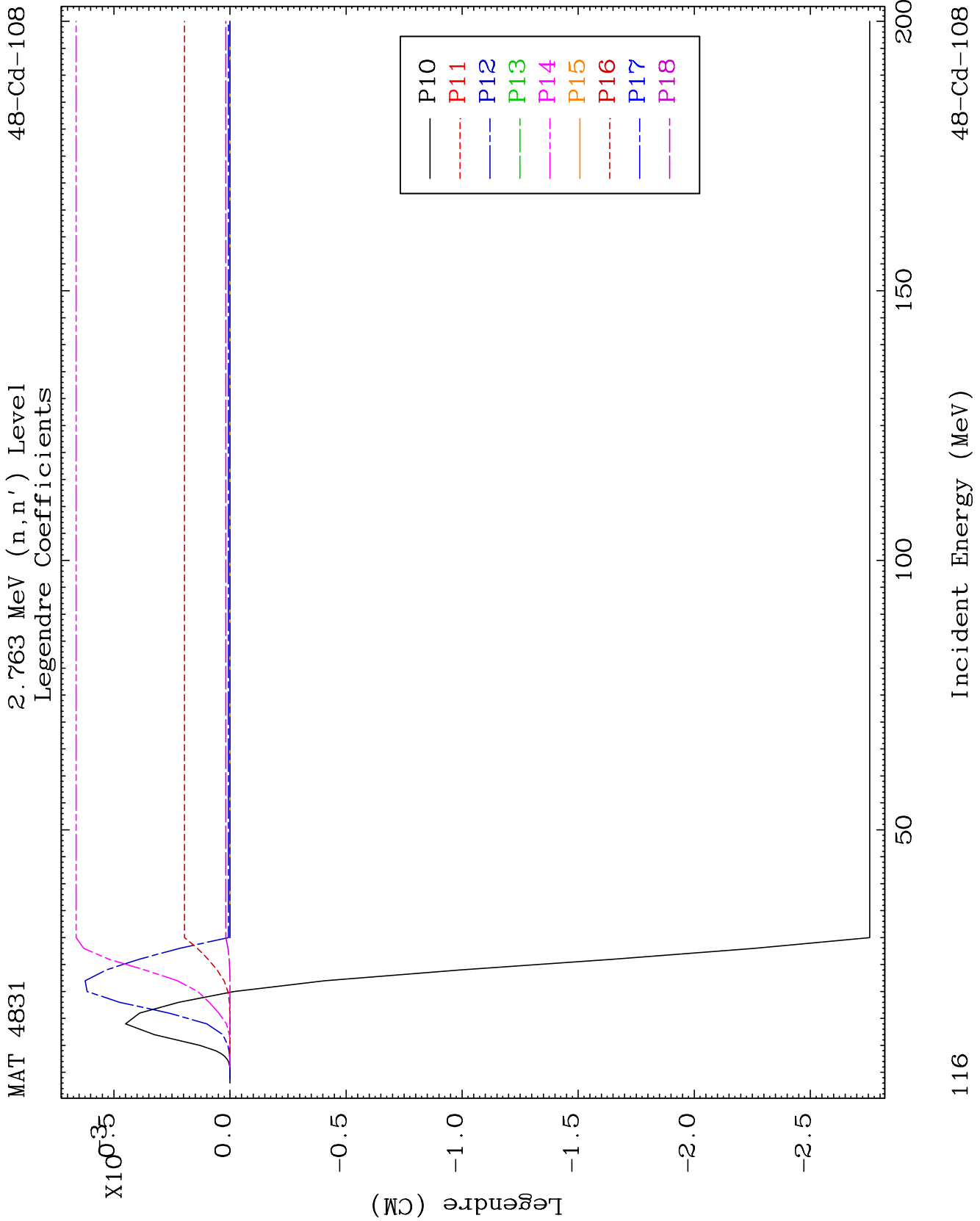
MAT 4831

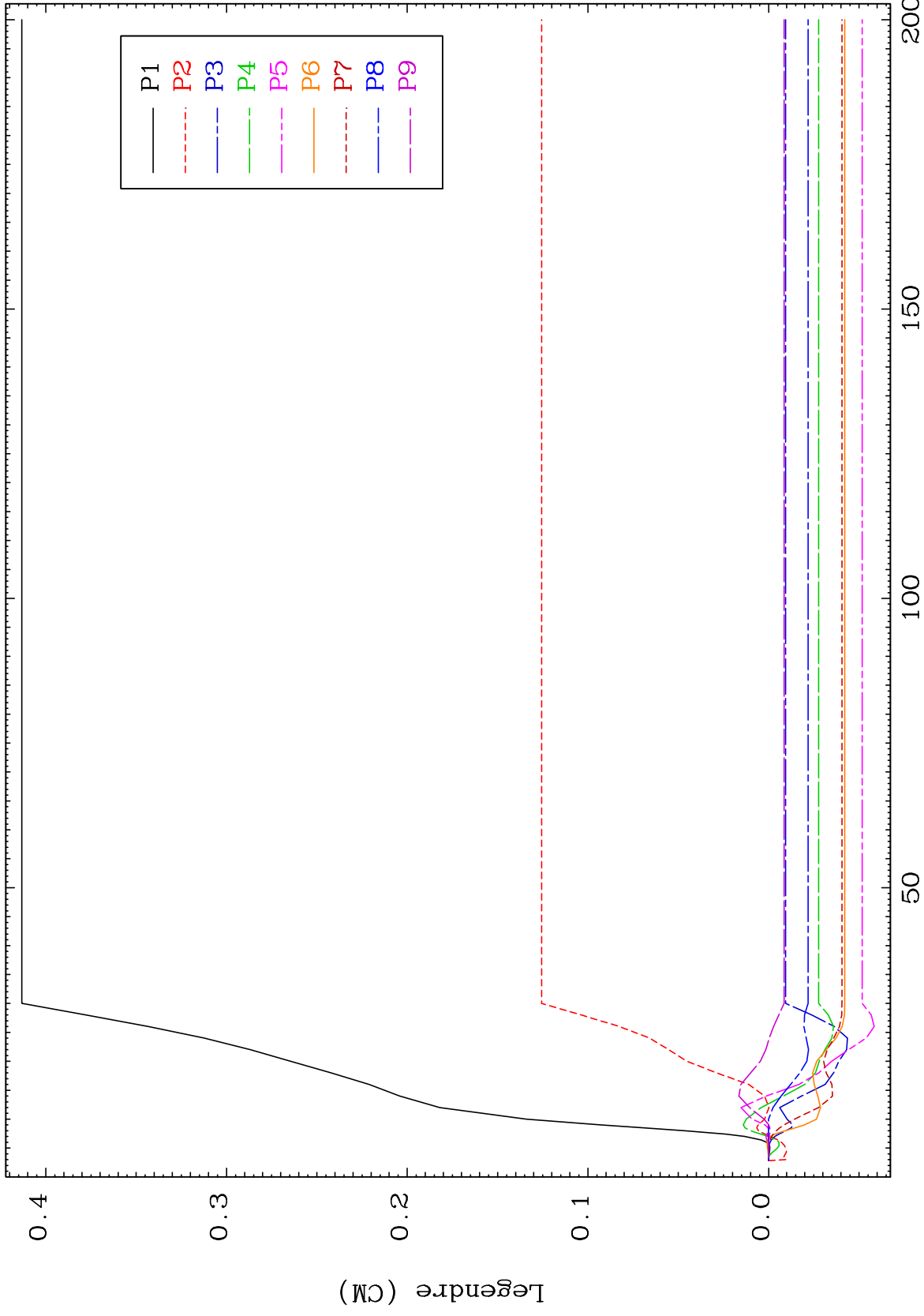
2.755 MeV (n,n') Level
Legendre Coefficients

48-Cd-108



113

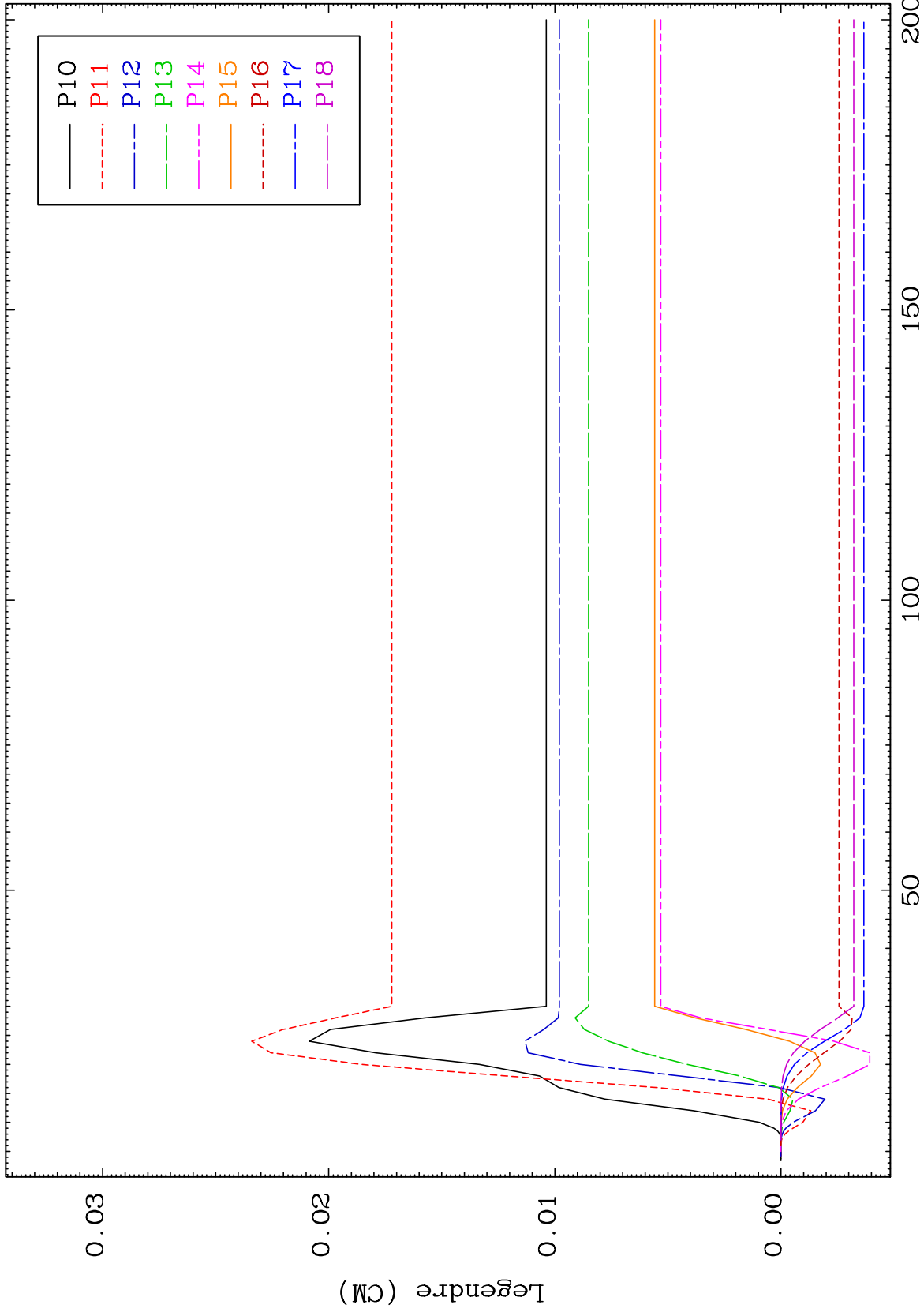




MAT 4831

2.791 MeV (n,n') Level
Legendre Coefficients

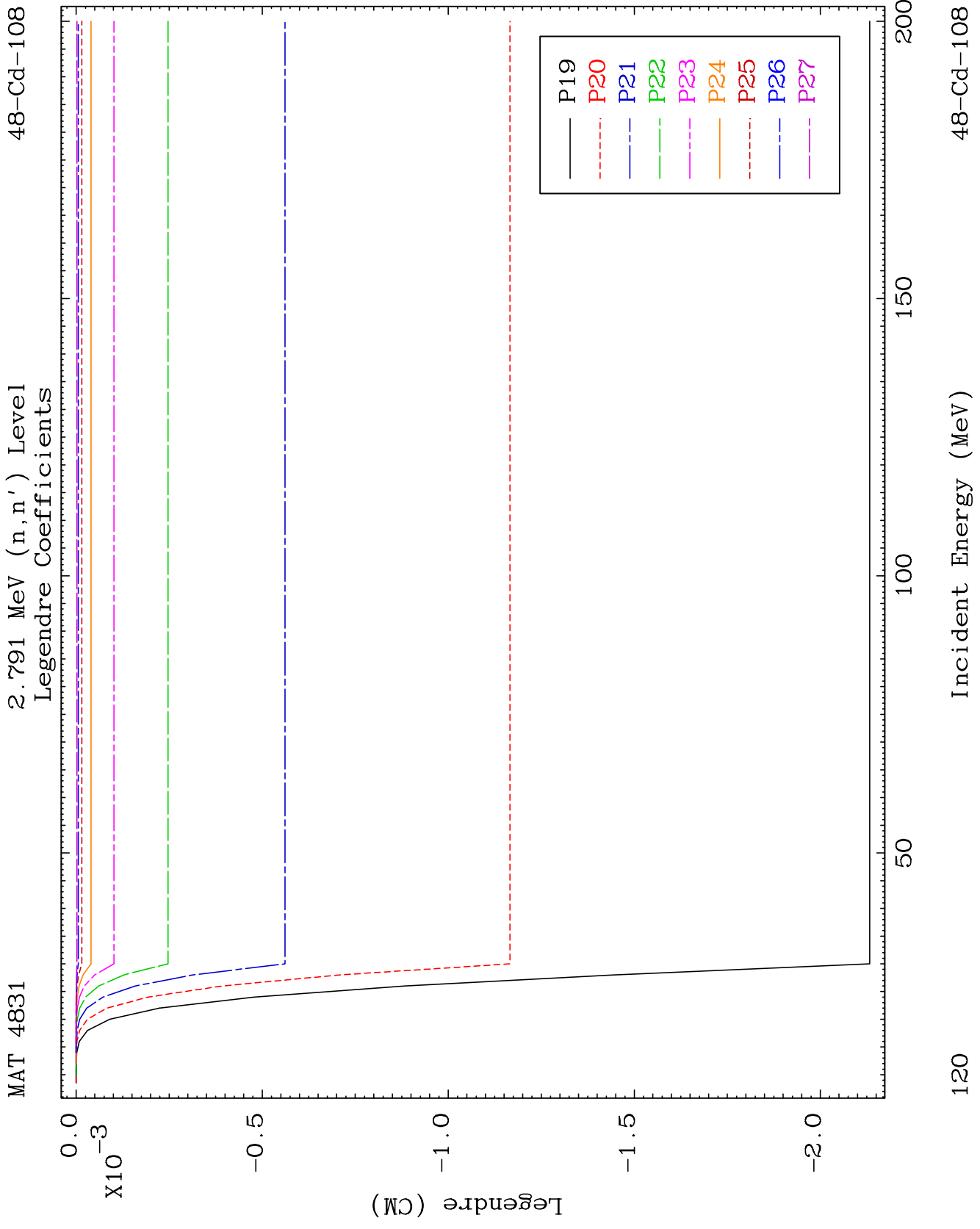
48-Cd-108

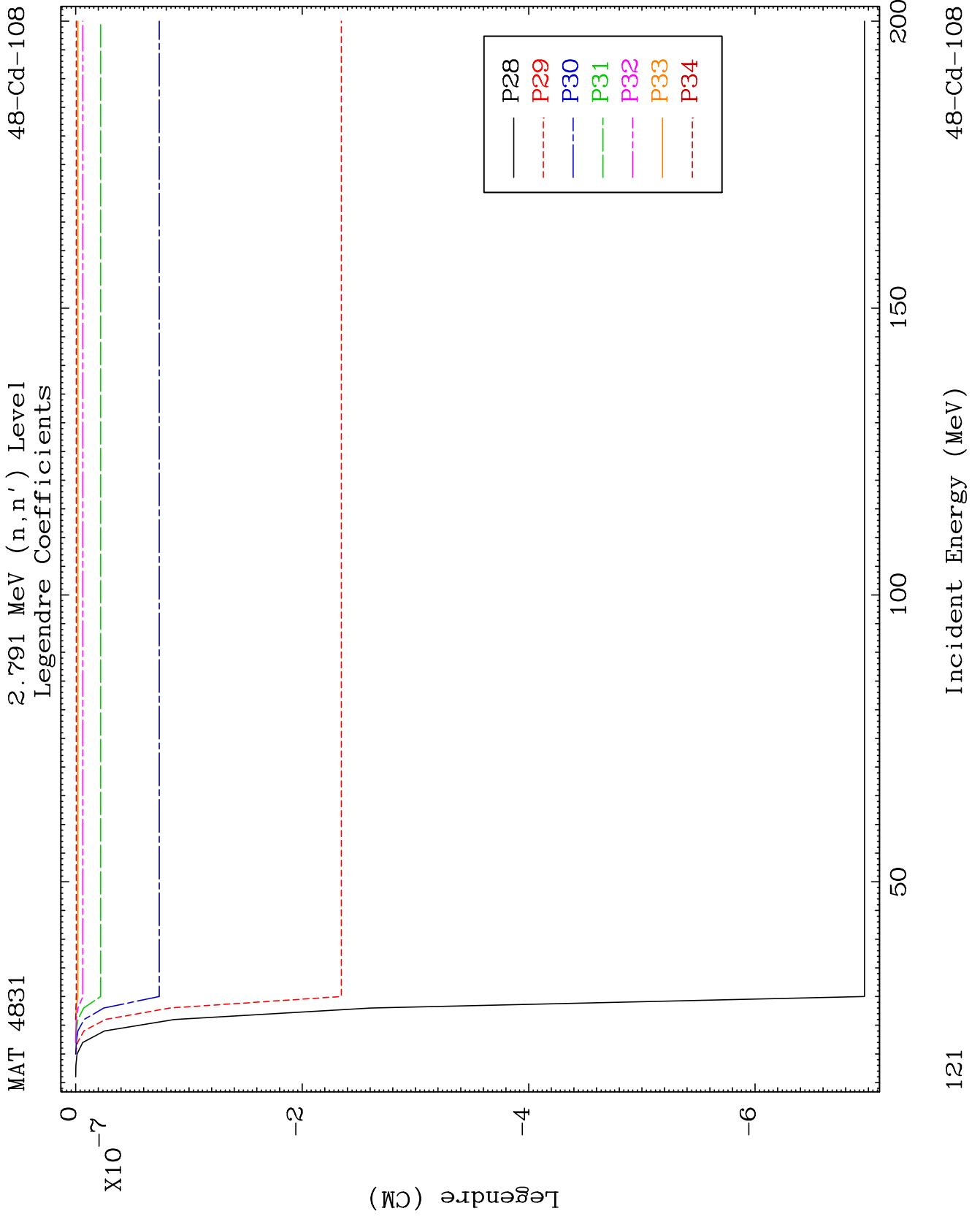


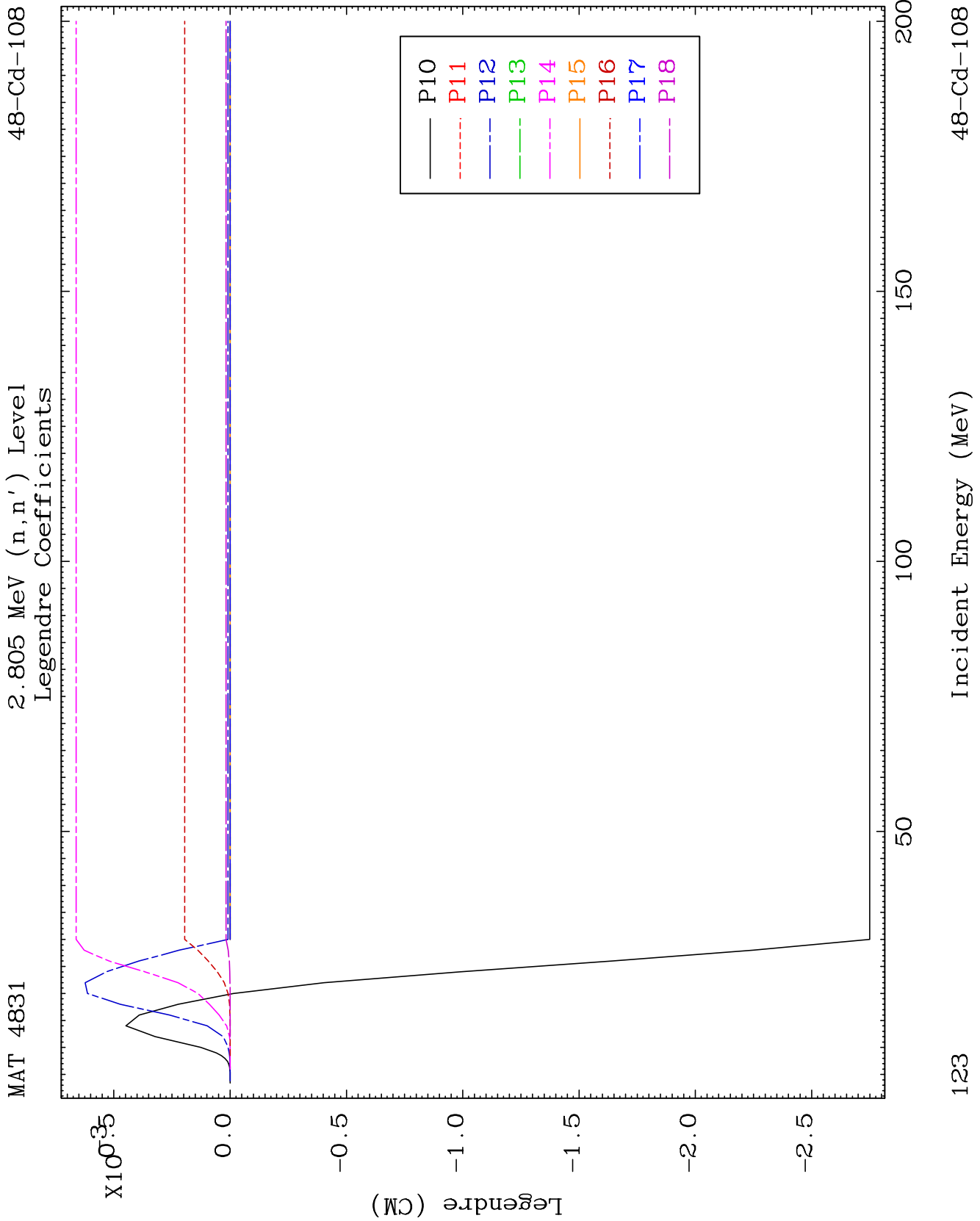
119

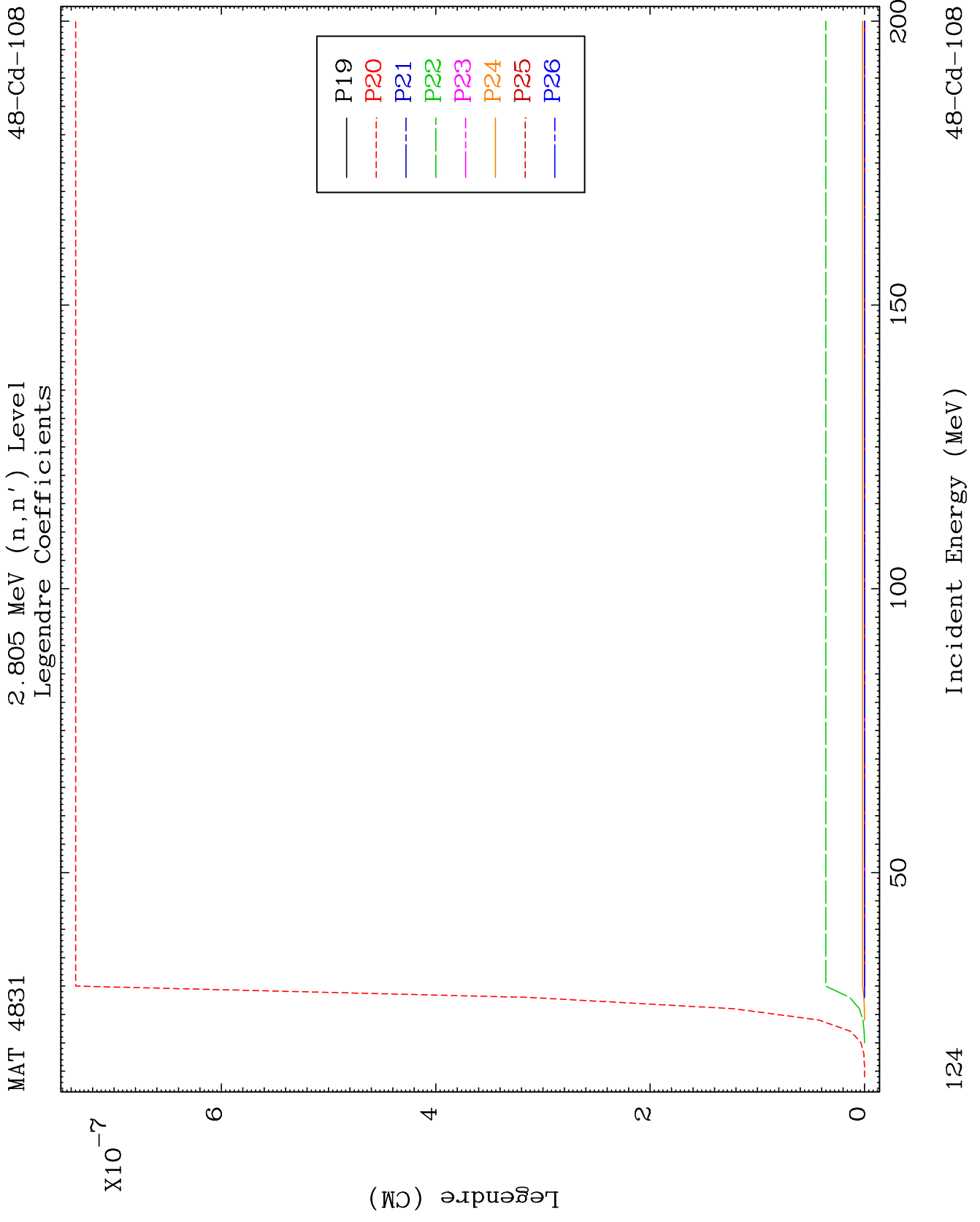
Incident Energy (MeV)

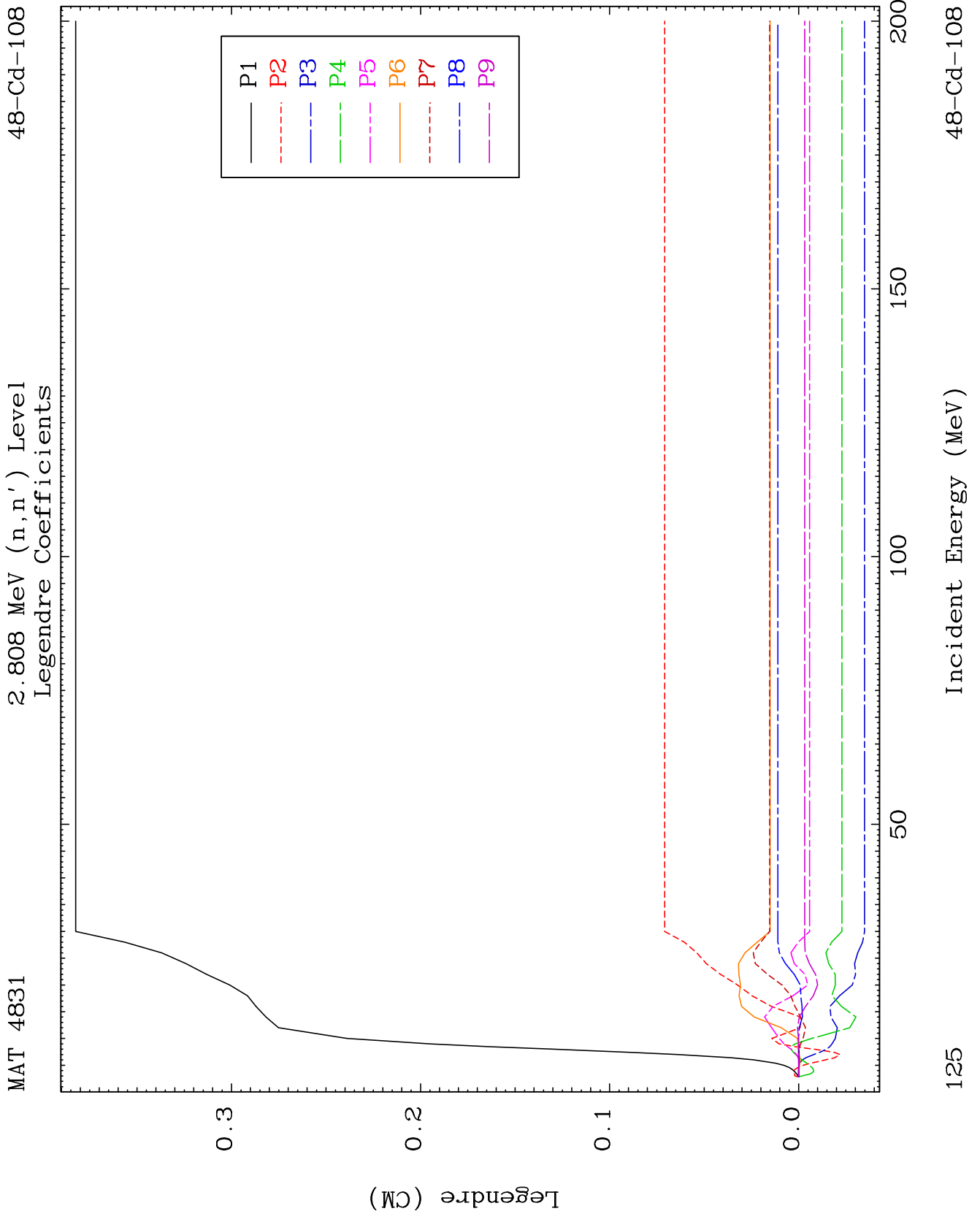
48-Cd-108







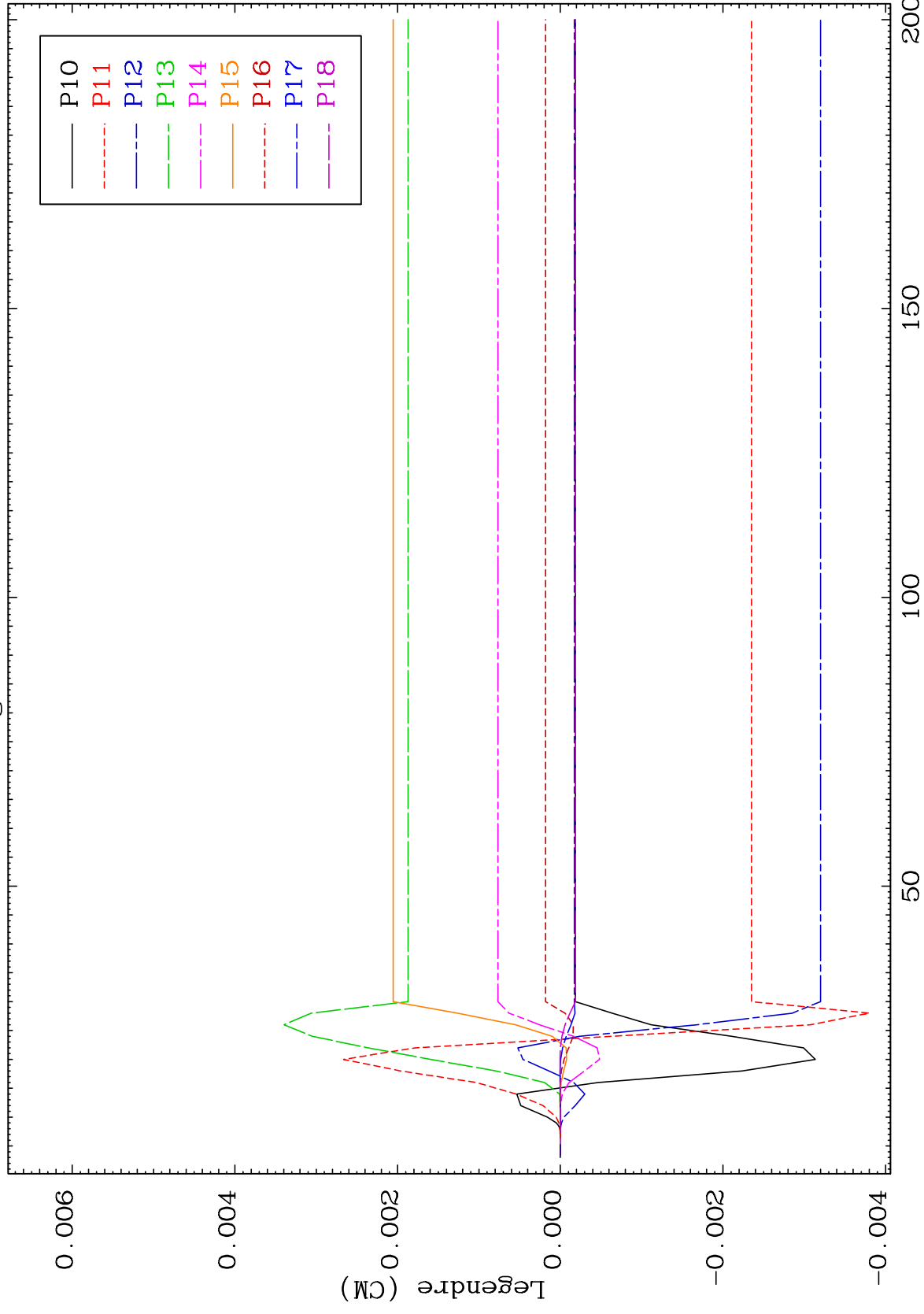




MAT 4831

2.808 MeV (n,n') Level
Legendre Coefficients

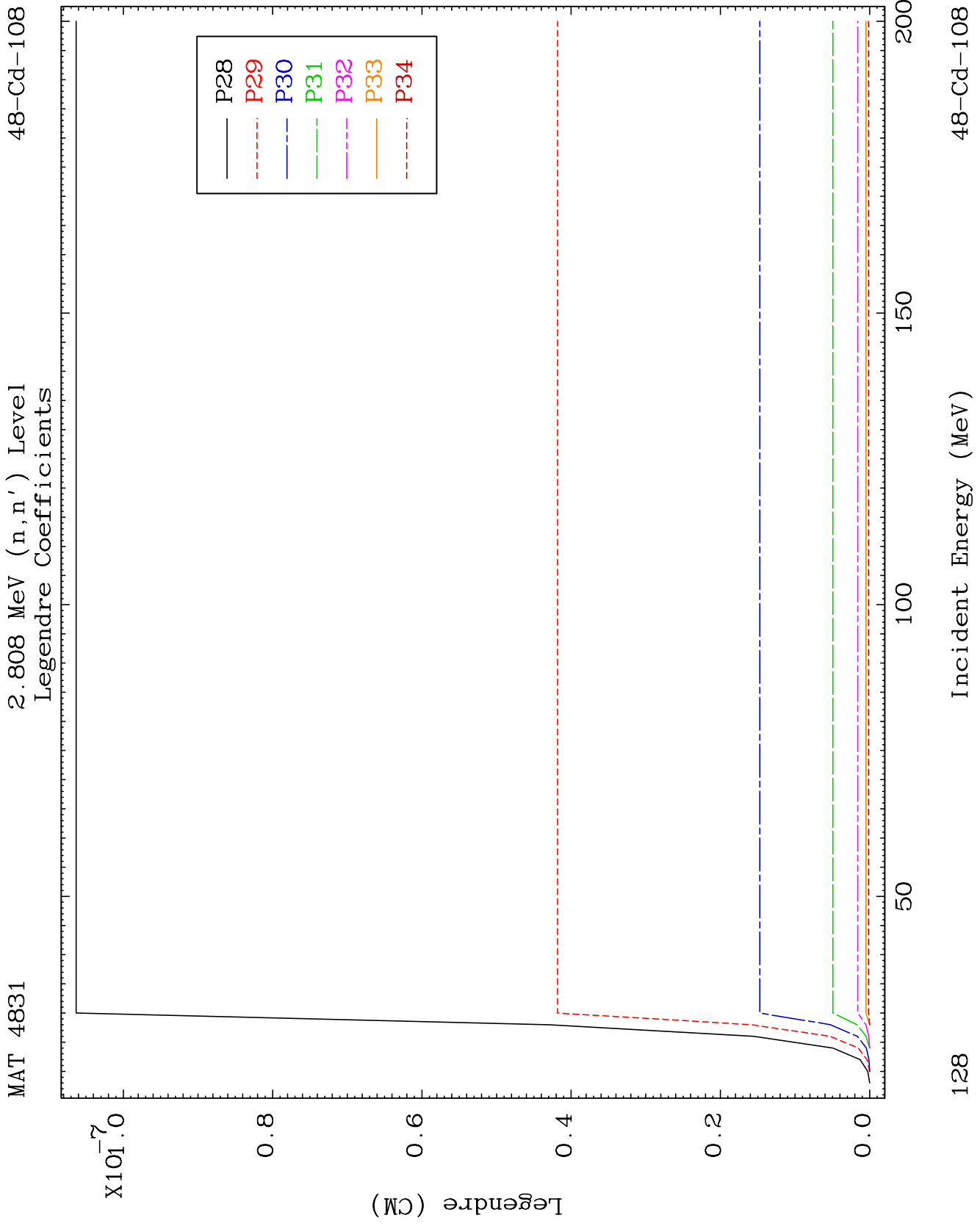
48-Cd-108

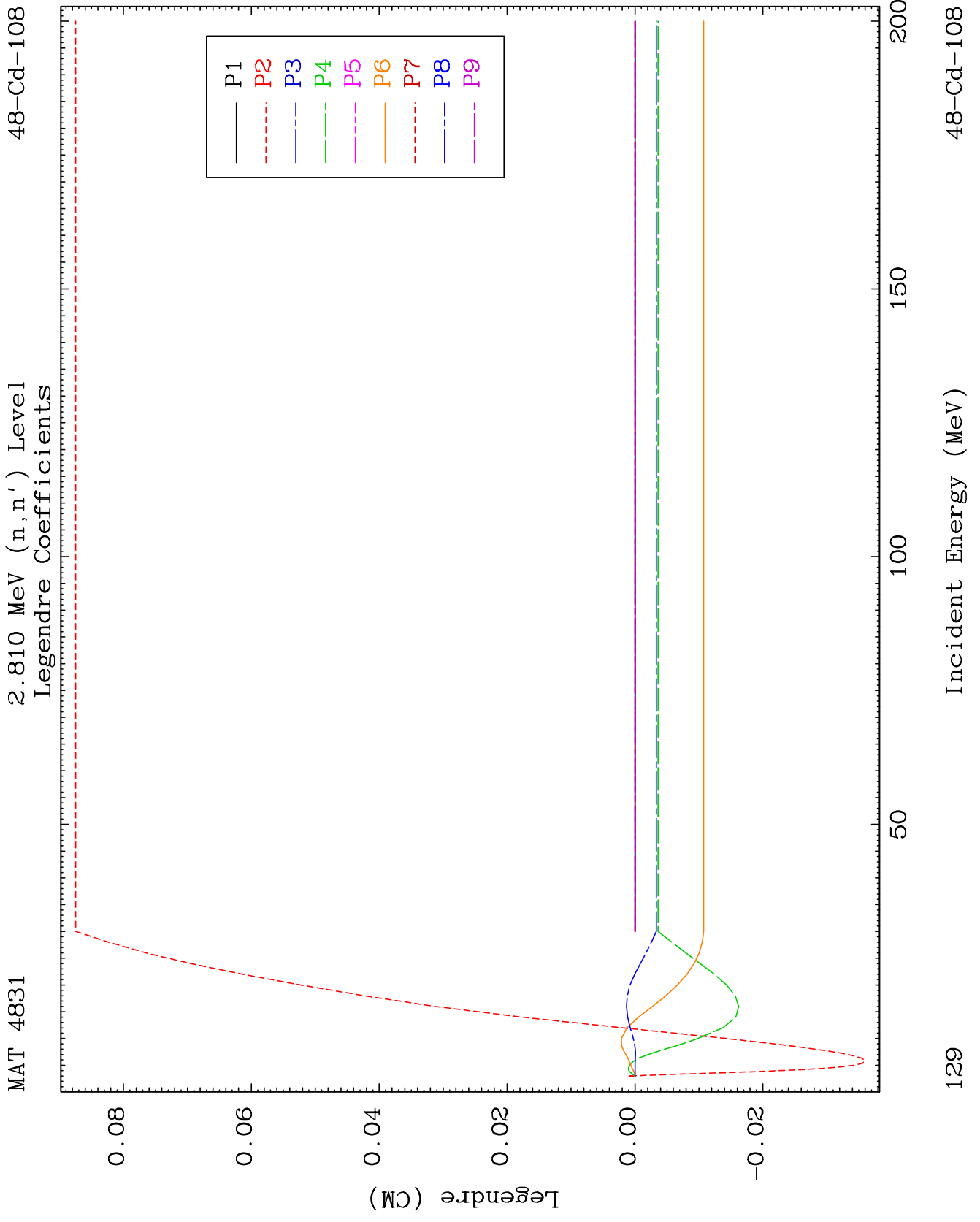


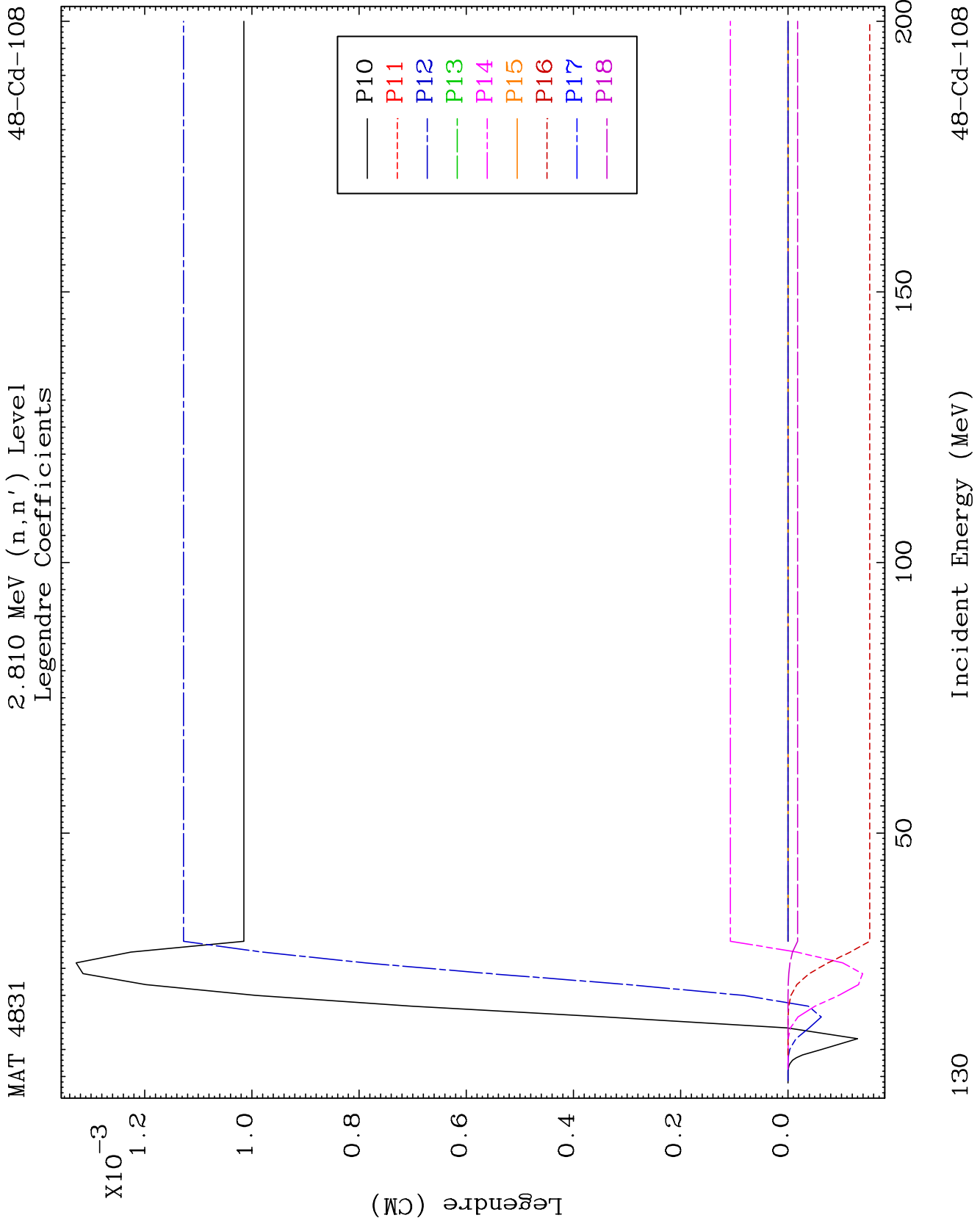
126

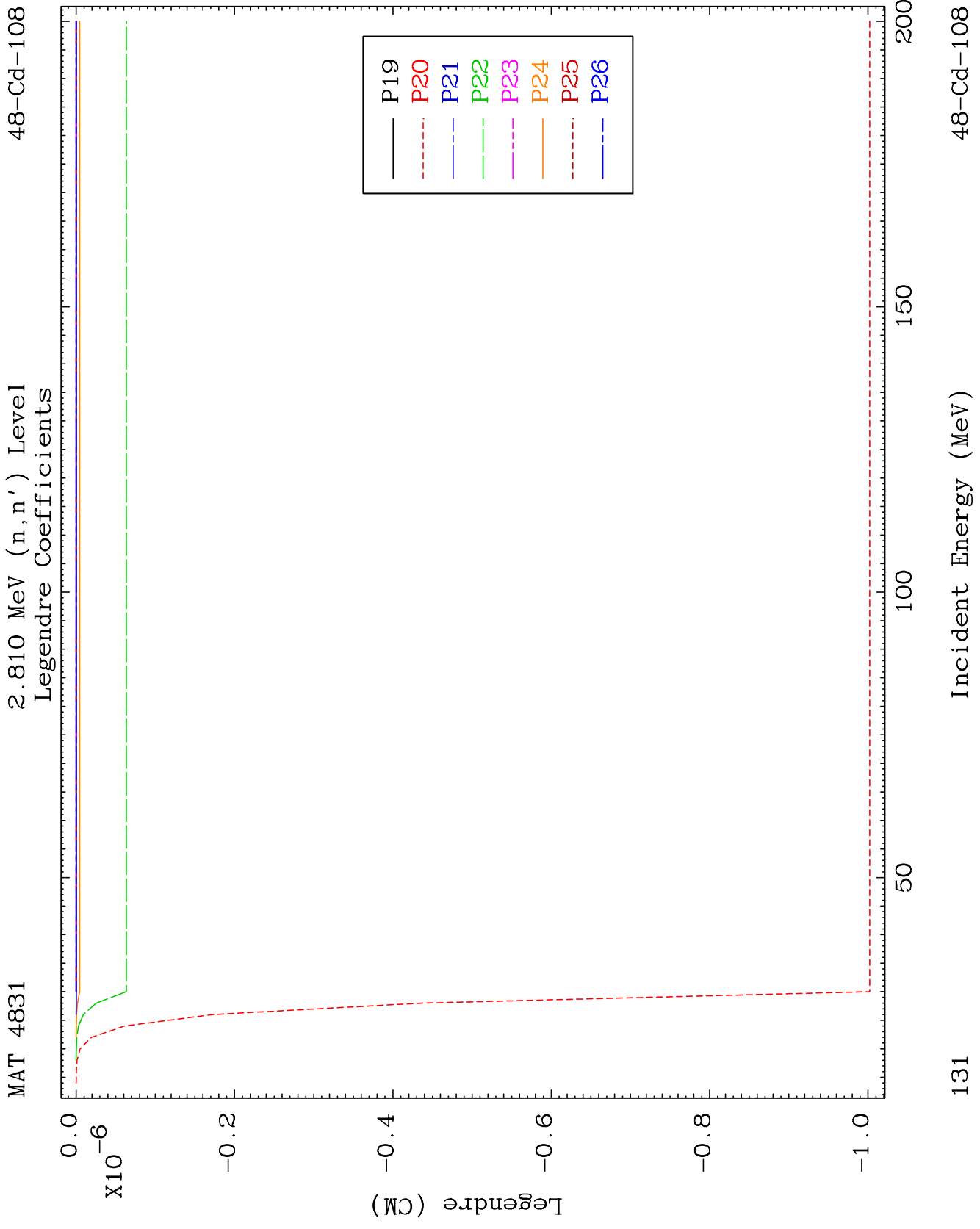
Incident Energy (MeV)

48-Cd-108







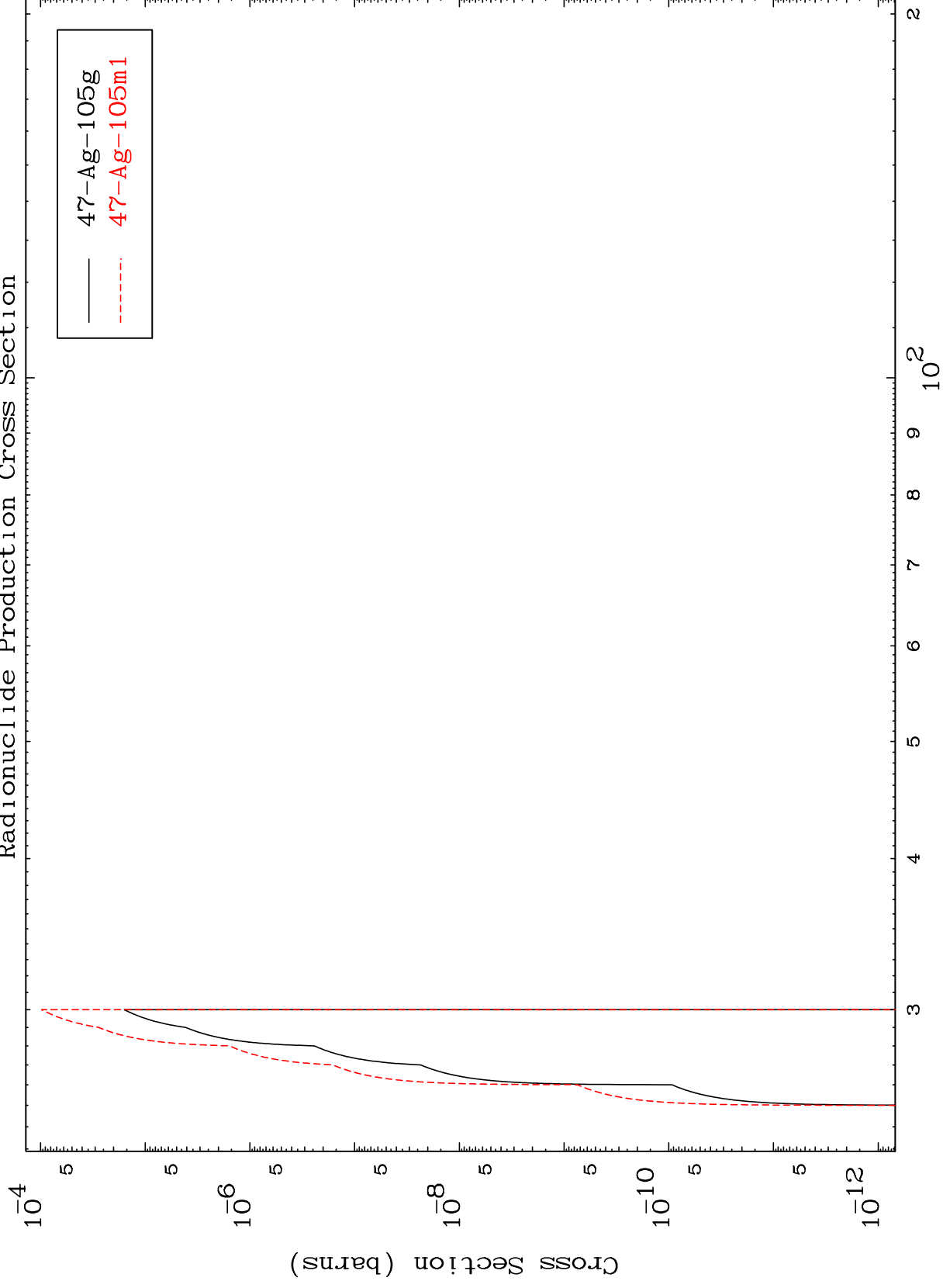


MAT 4831

(n,2n) d

48-Cd-108

Radionuclide Production Cross Section



132

Incident Energy (MeV)

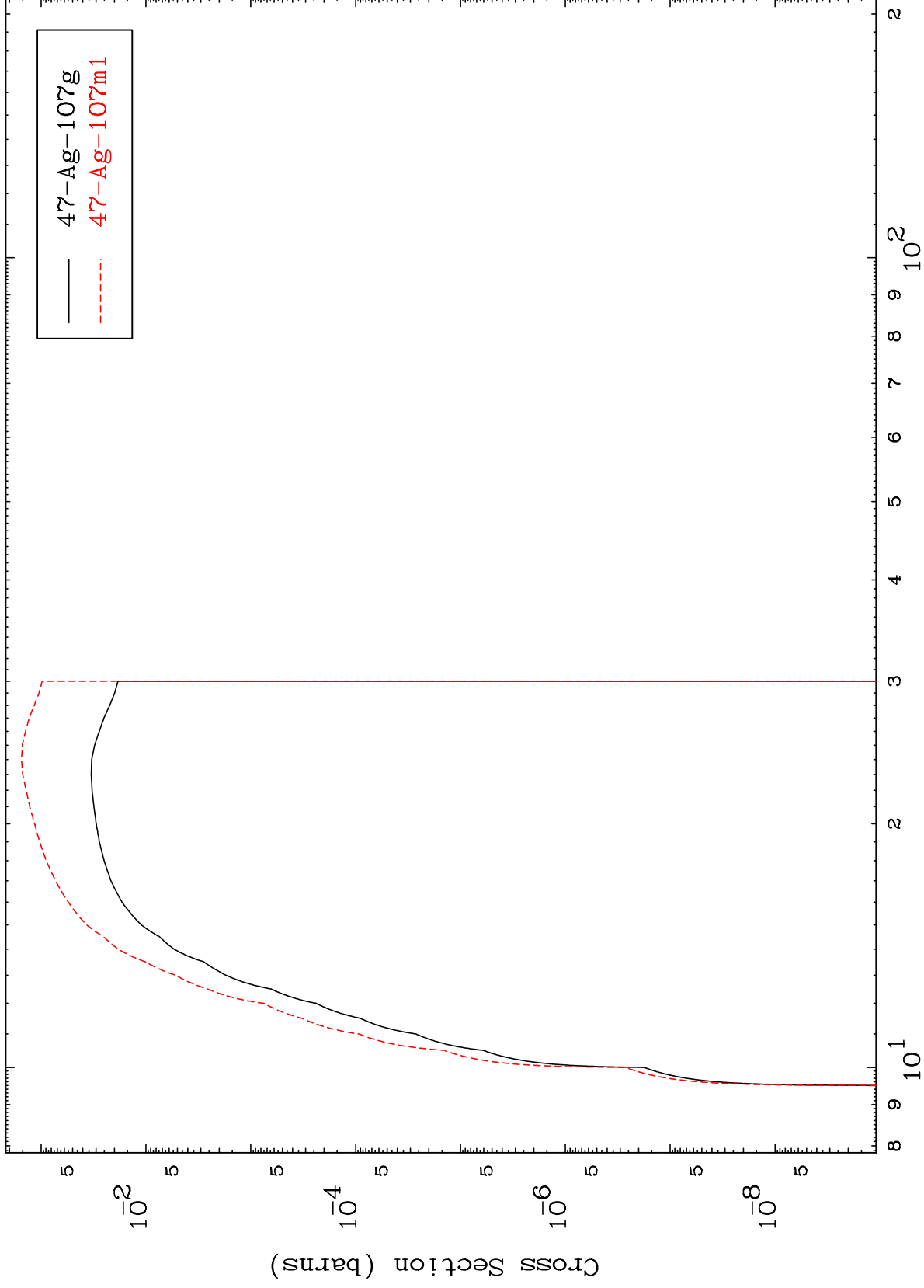
48-Cd-108

MAT 4831

(n,n') p

48-Cd-108

Radionuclide Production Cross Section



133

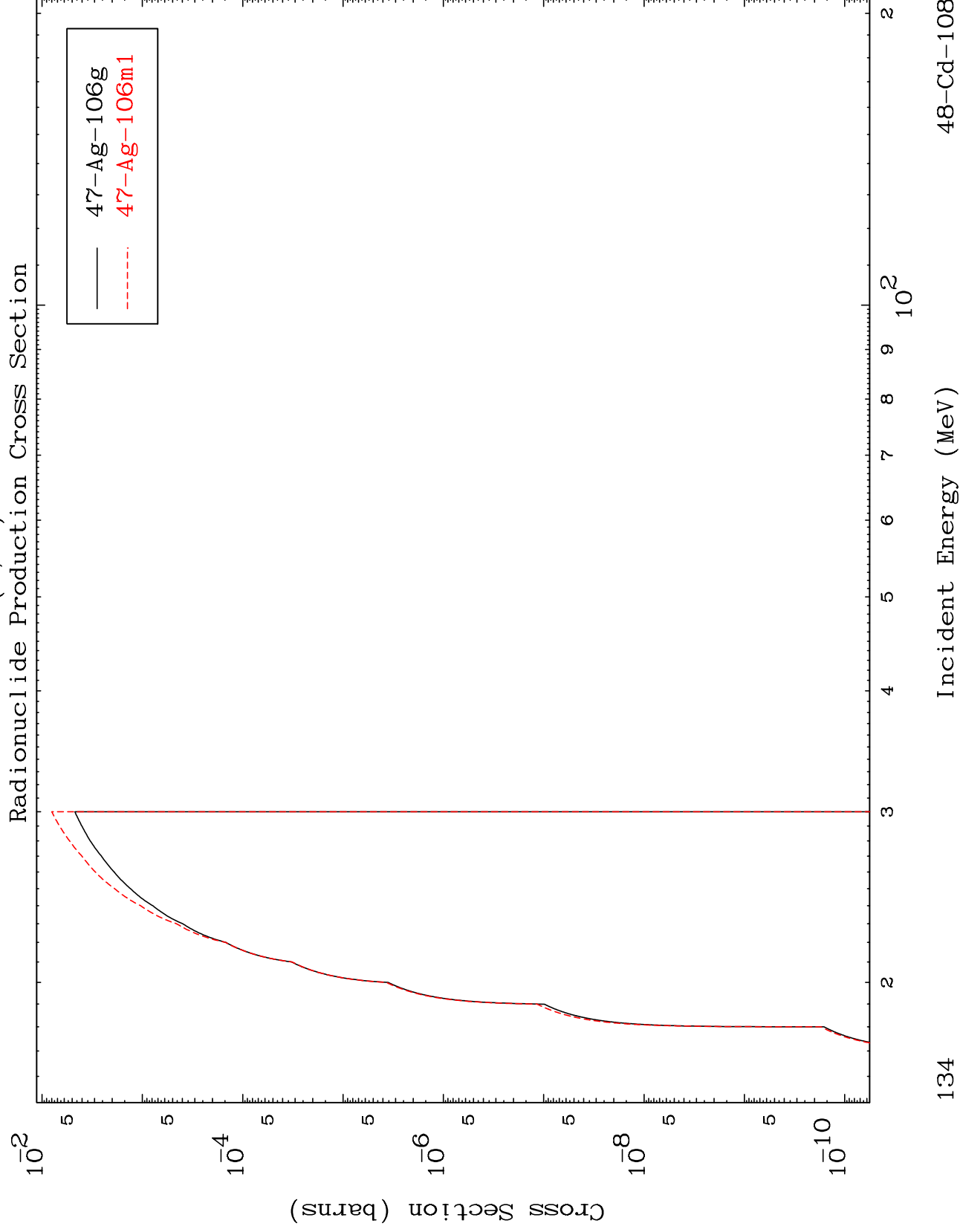
Incident Energy (MeV)

48-Cd-108

MAT 4831

(n,n') d

48-Cd-108



134

Incident Energy (MeV)

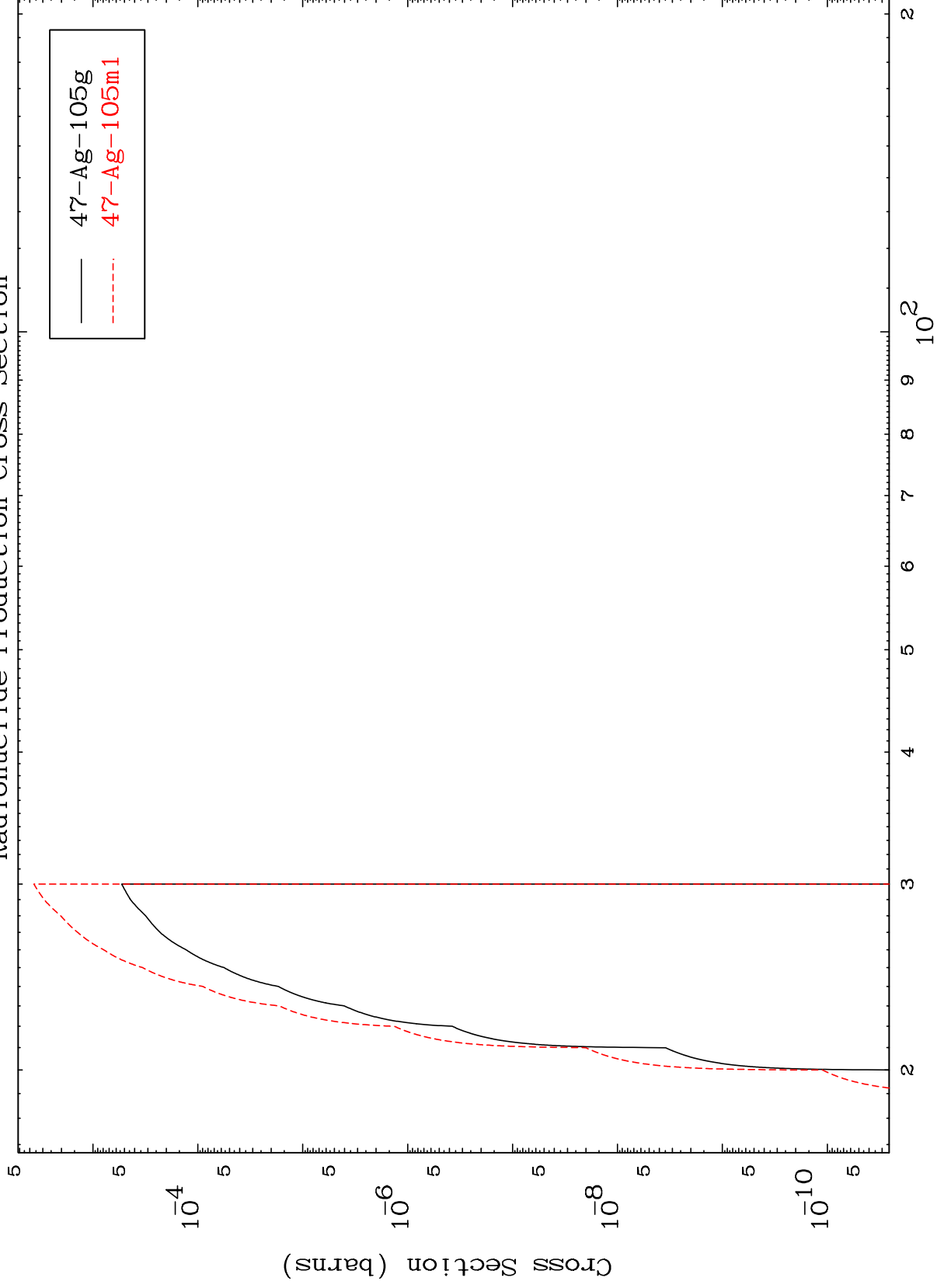
48-Cd-108

MAT 4831

(n,n') t

48-Cd-108

Radionuclide Production Cross Section



135

Incident Energy (MeV)

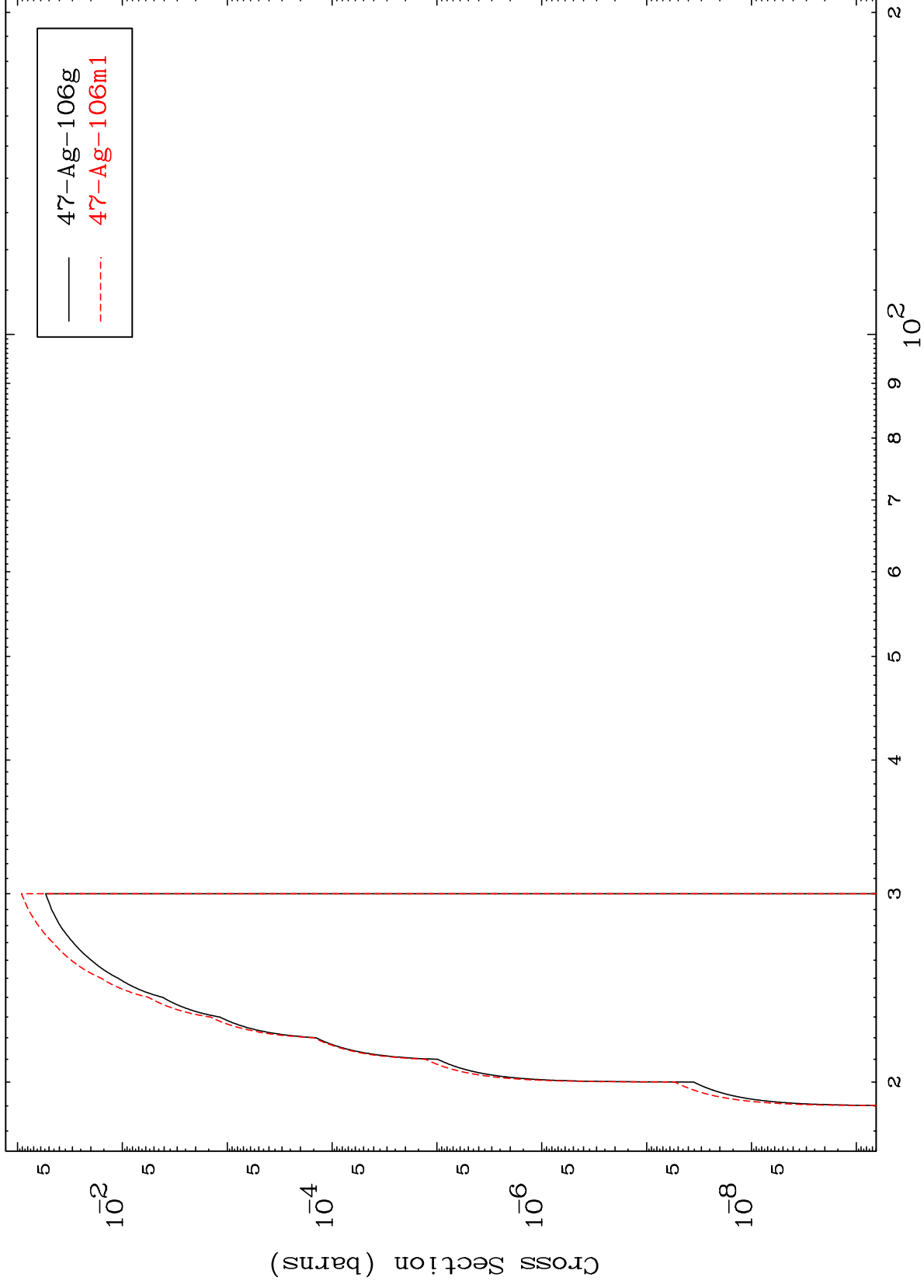
48-Cd-108

MAT 4831

(n,2n) p

48-Cd-108

Radionuclide Production Cross Section



136

Incident Energy (MeV)

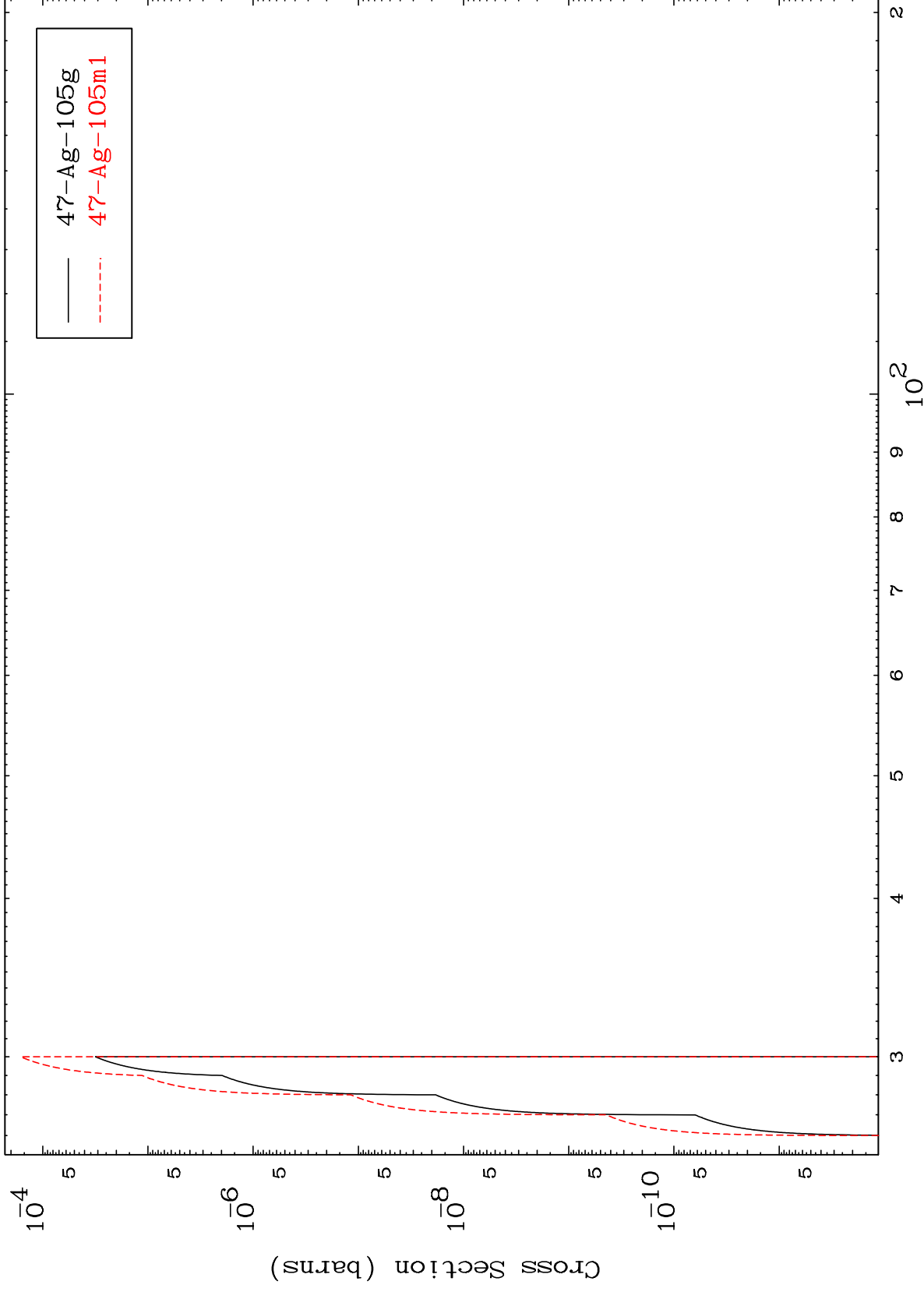
48-Cd-108

MAT 4831

(n,3n) p

48-Cd-108

Radionuclide Production Cross Section



137

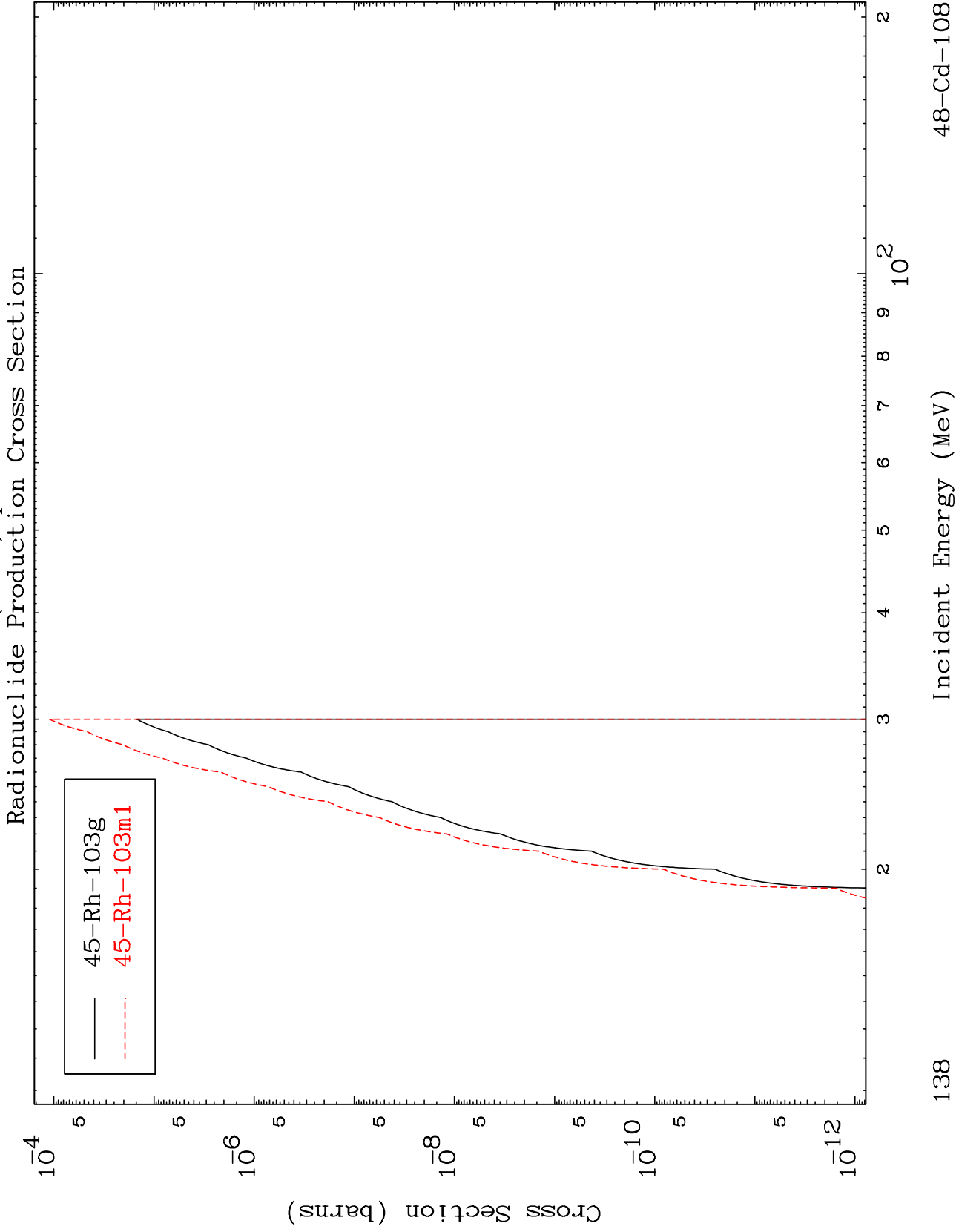
Incident Energy (MeV)

48-Cd-108

MAT 4831

(n,n') p α

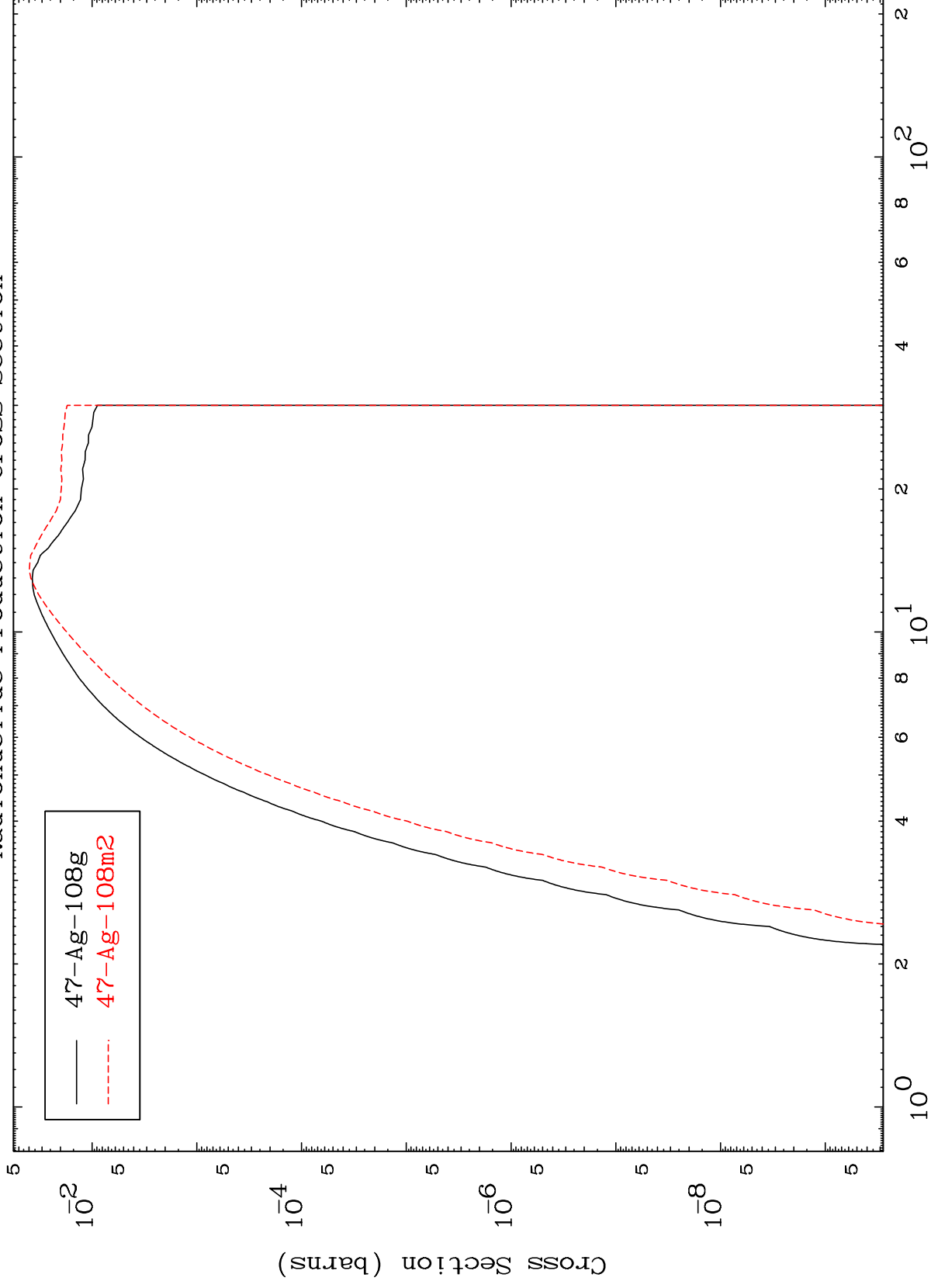
48-Cd-108



MAT 4831

48-Cd-108

(n,p)
Radionuclide Production Cross Section



Incident Energy (MeV)

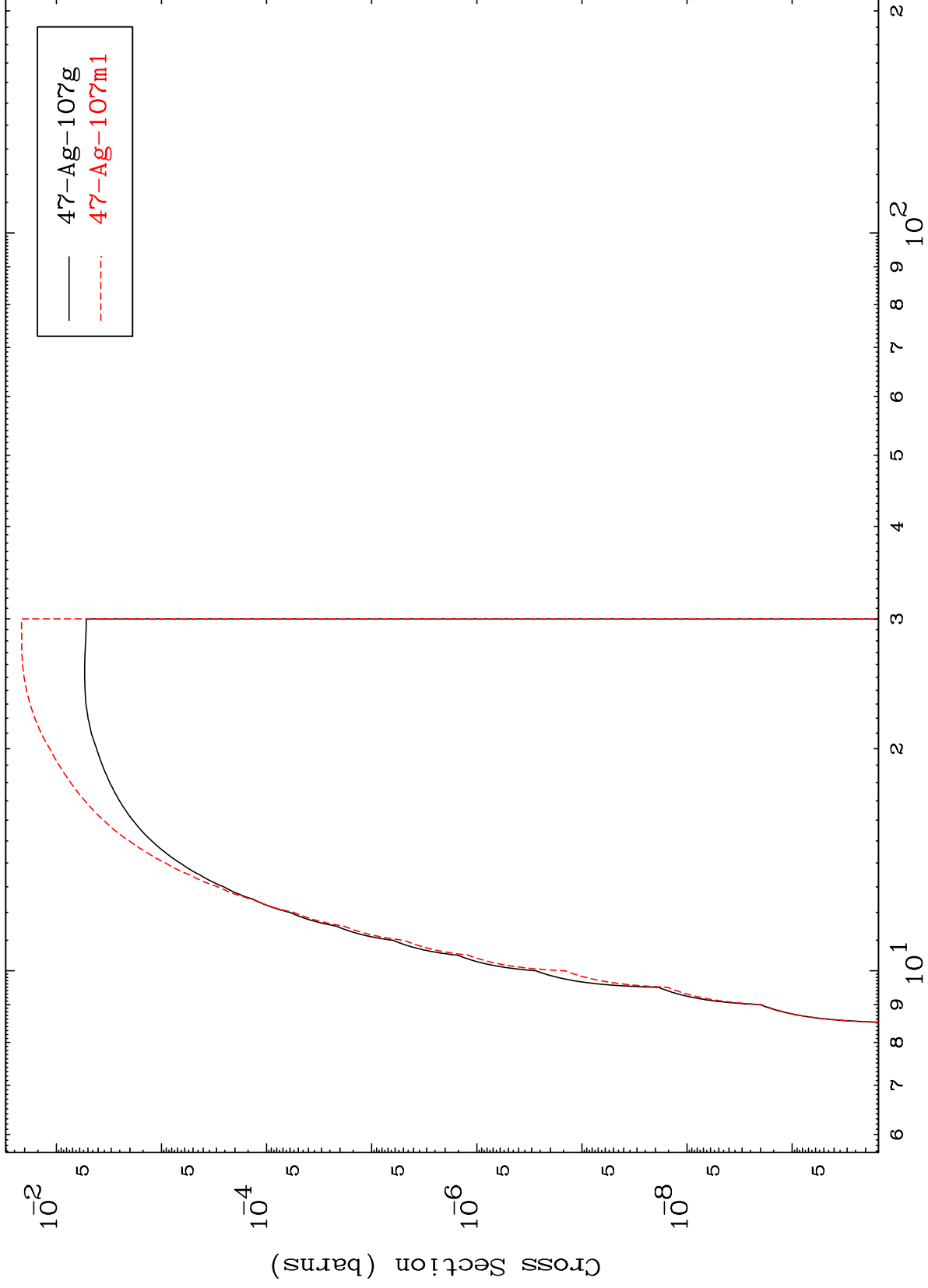
48-Cd-108

139

MAT 4831

48-Cd-108

(n,d)
Radionuclide Production Cross Section



140

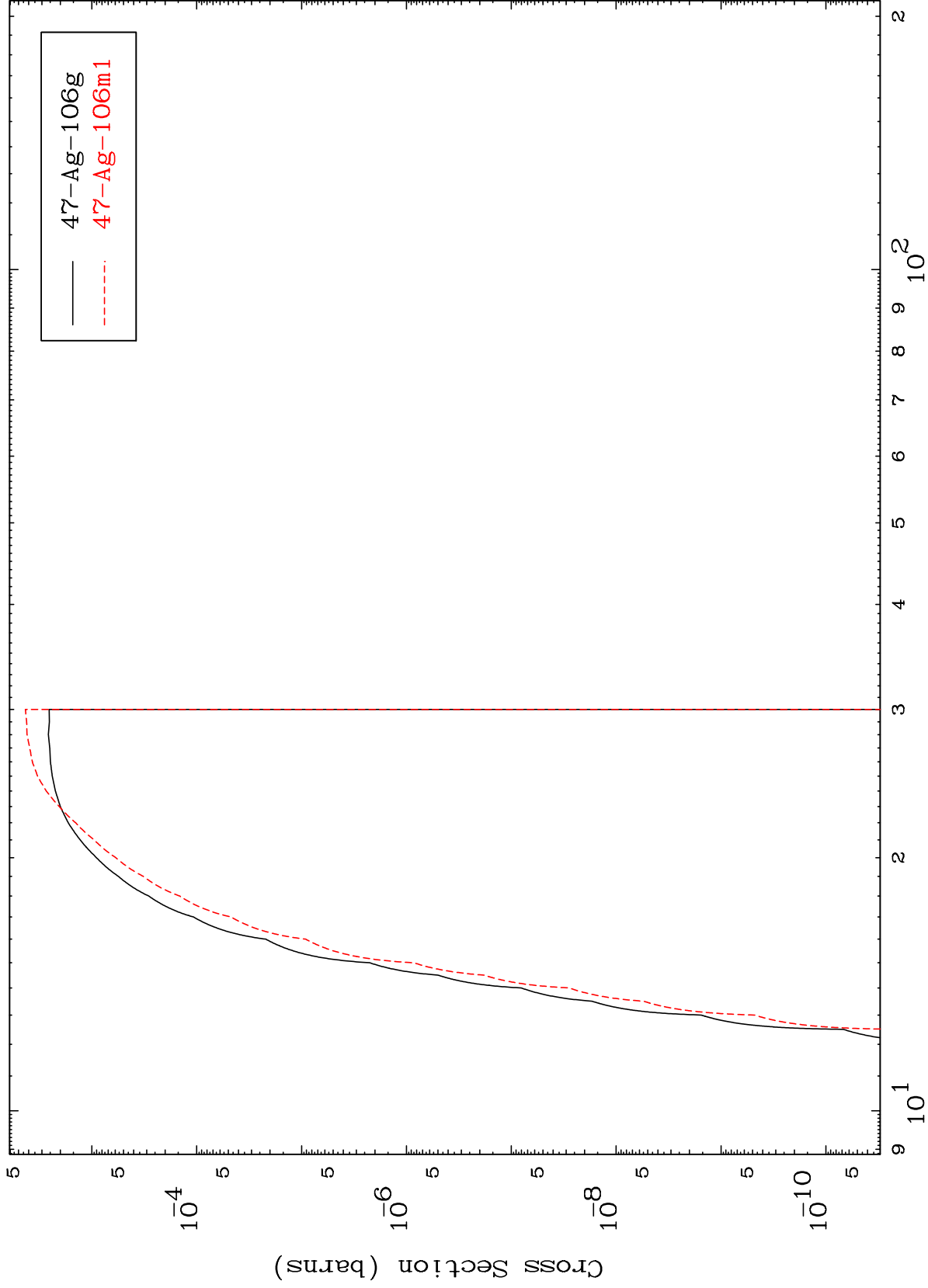
Incident Energy (MeV)

48-Cd-108

MAT 4831

48-Cd-108

(n,t)
Radionuclide Production Cross Section



141

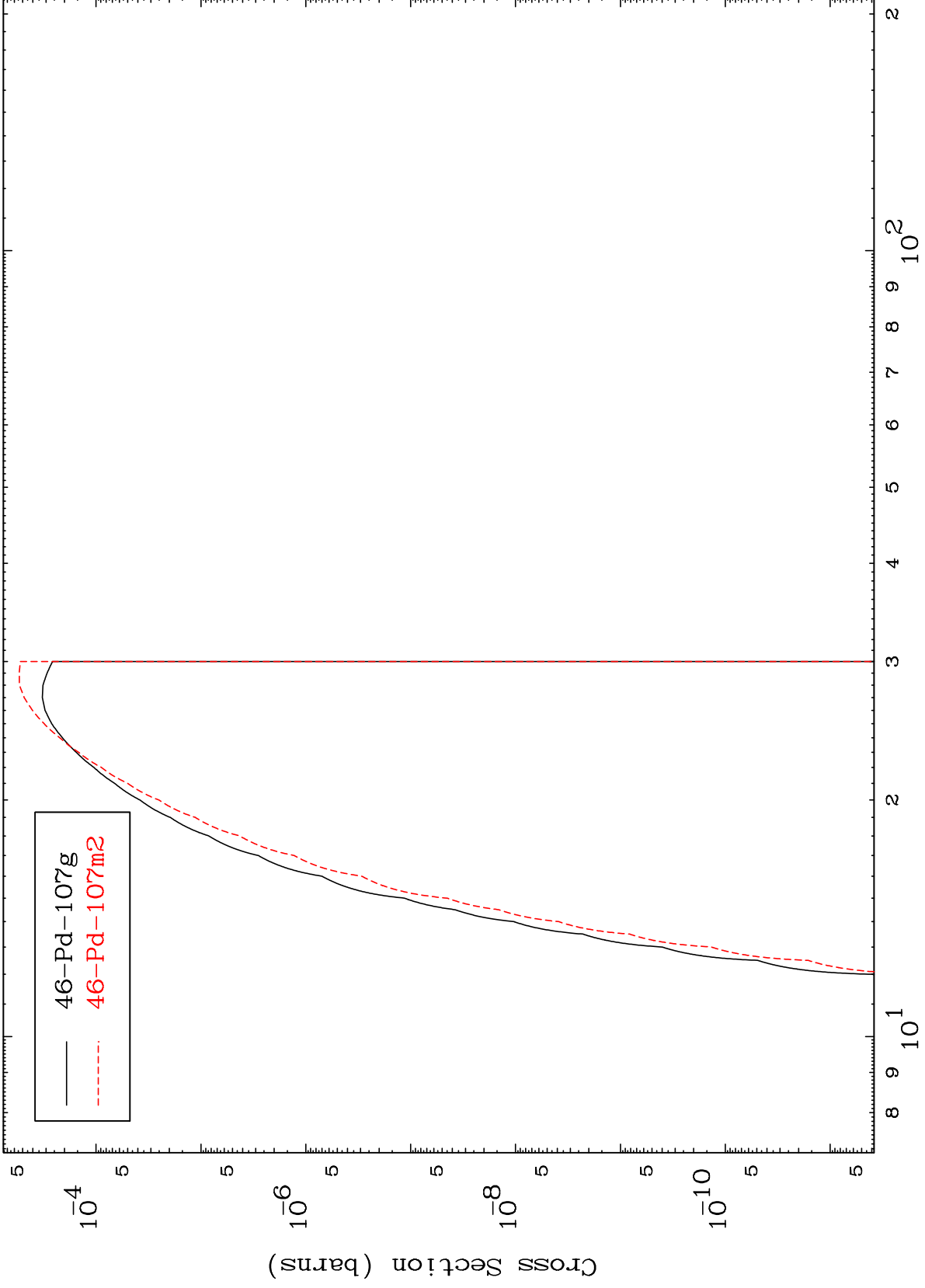
Incident Energy (MeV)

48-Cd-108

MAT 4831

48-Cd-108

(n,2p)
Radionuclide Production Cross Section



— 46-Pd-107g
- - - 46-Pd-107m2

142

Incident Energy (MeV)

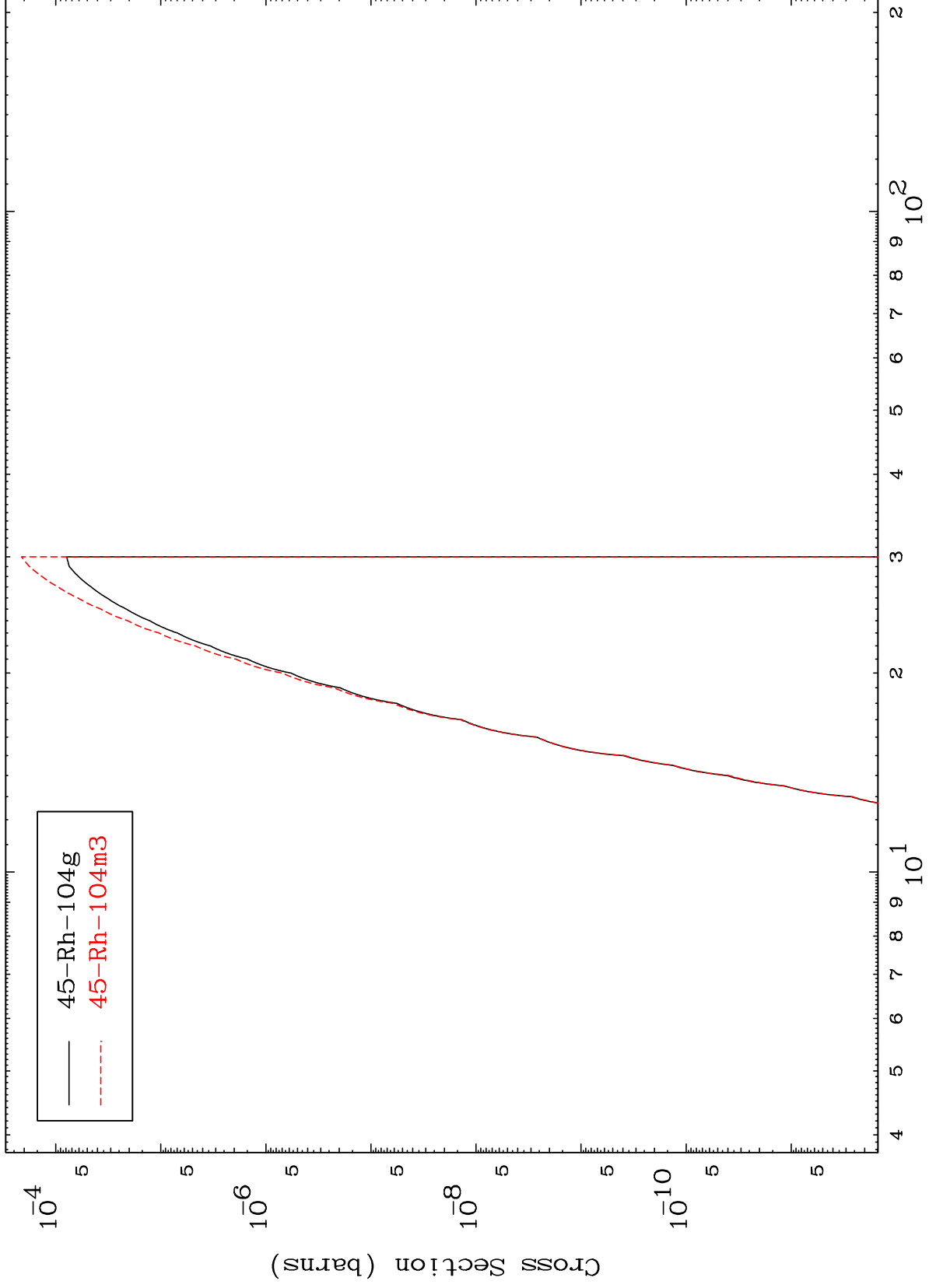
48-Cd-108

MAT 4831

(n,p) α

48-Cd-108

Radionuclide Production Cross Section



45-Rh-104g
45-Rh-104m3

143

Incident Energy (MeV)

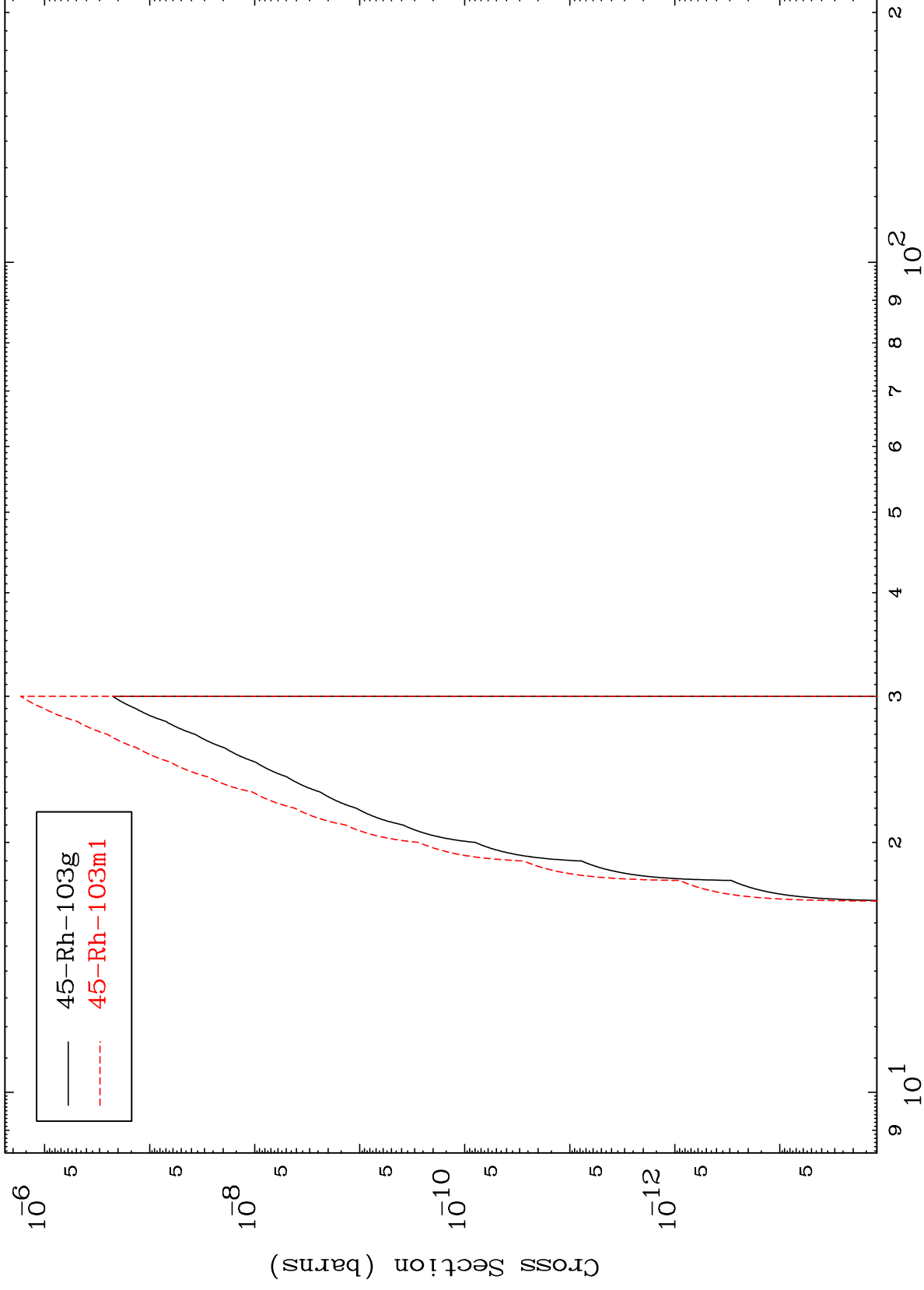
48-Cd-108

MAT 4831

48-Cd-108

(n,d) α

Radionuclide Production Cross Section



144

Incident Energy (MeV)

48-Cd-108