

Program EVALPLOT
(Version 2015-2)

by

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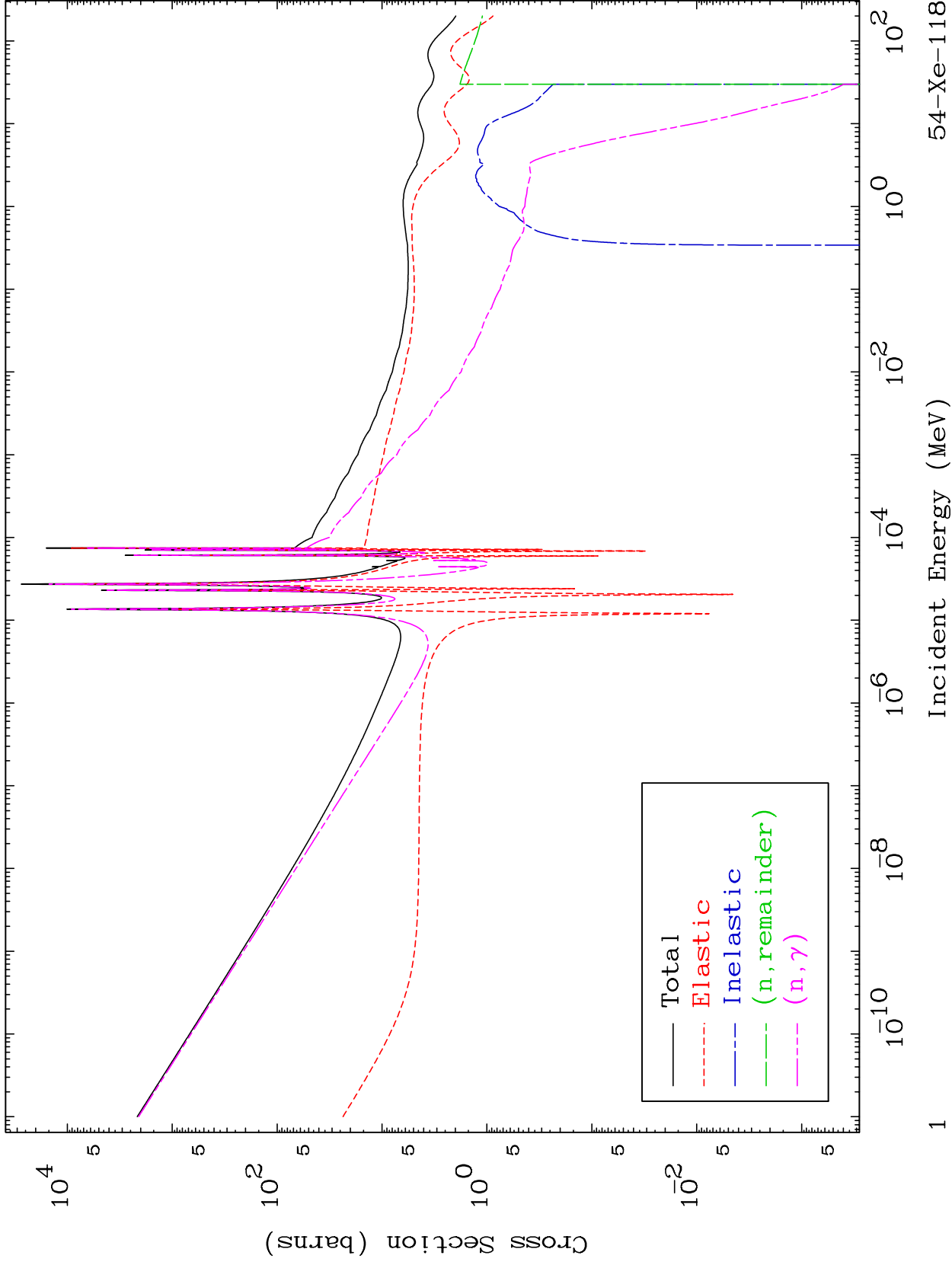
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5407

Major
293 Kelvin Cross Sections

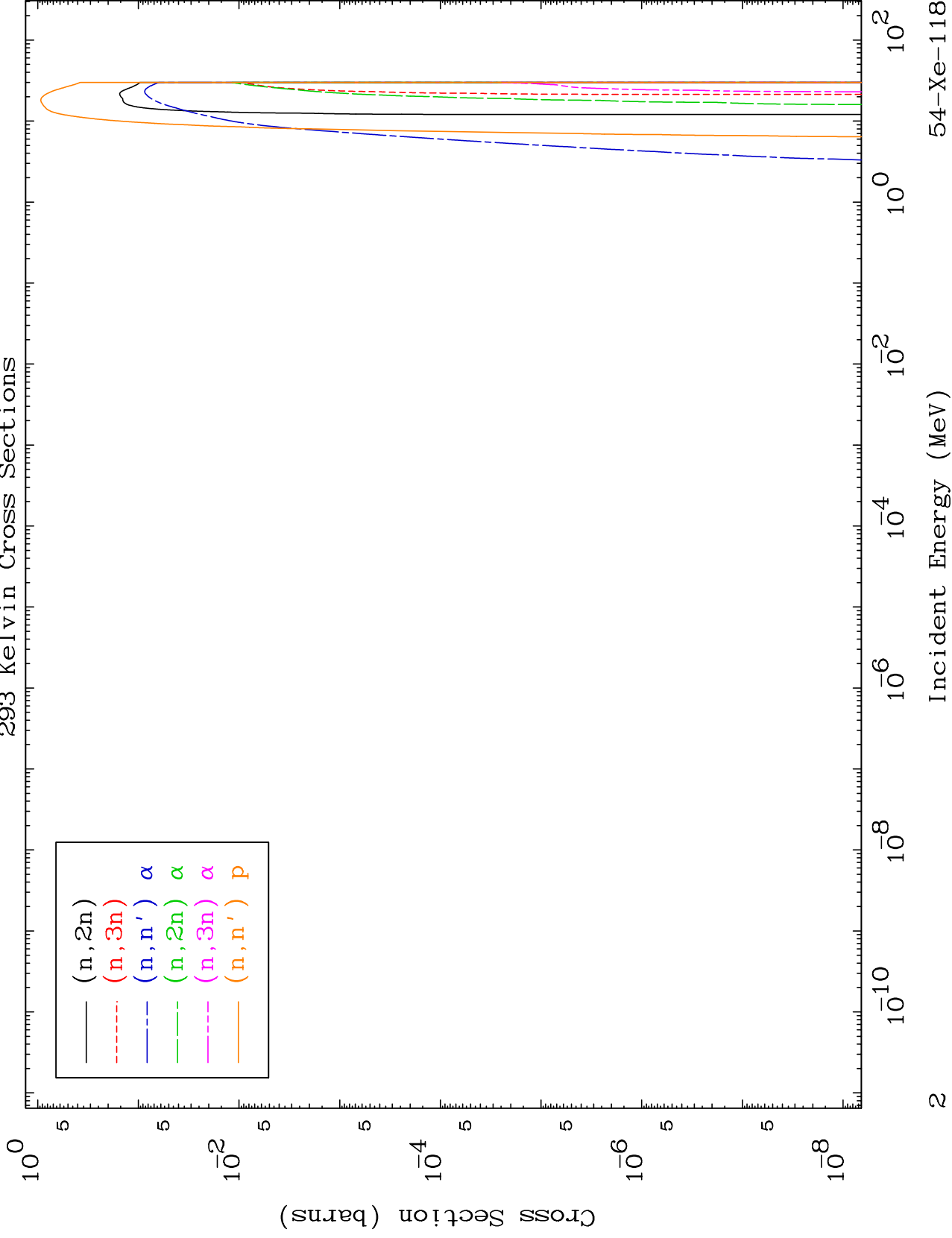
54-Xe-118



MAT 5407

Neutron Production
293 Kelvin Cross Sections

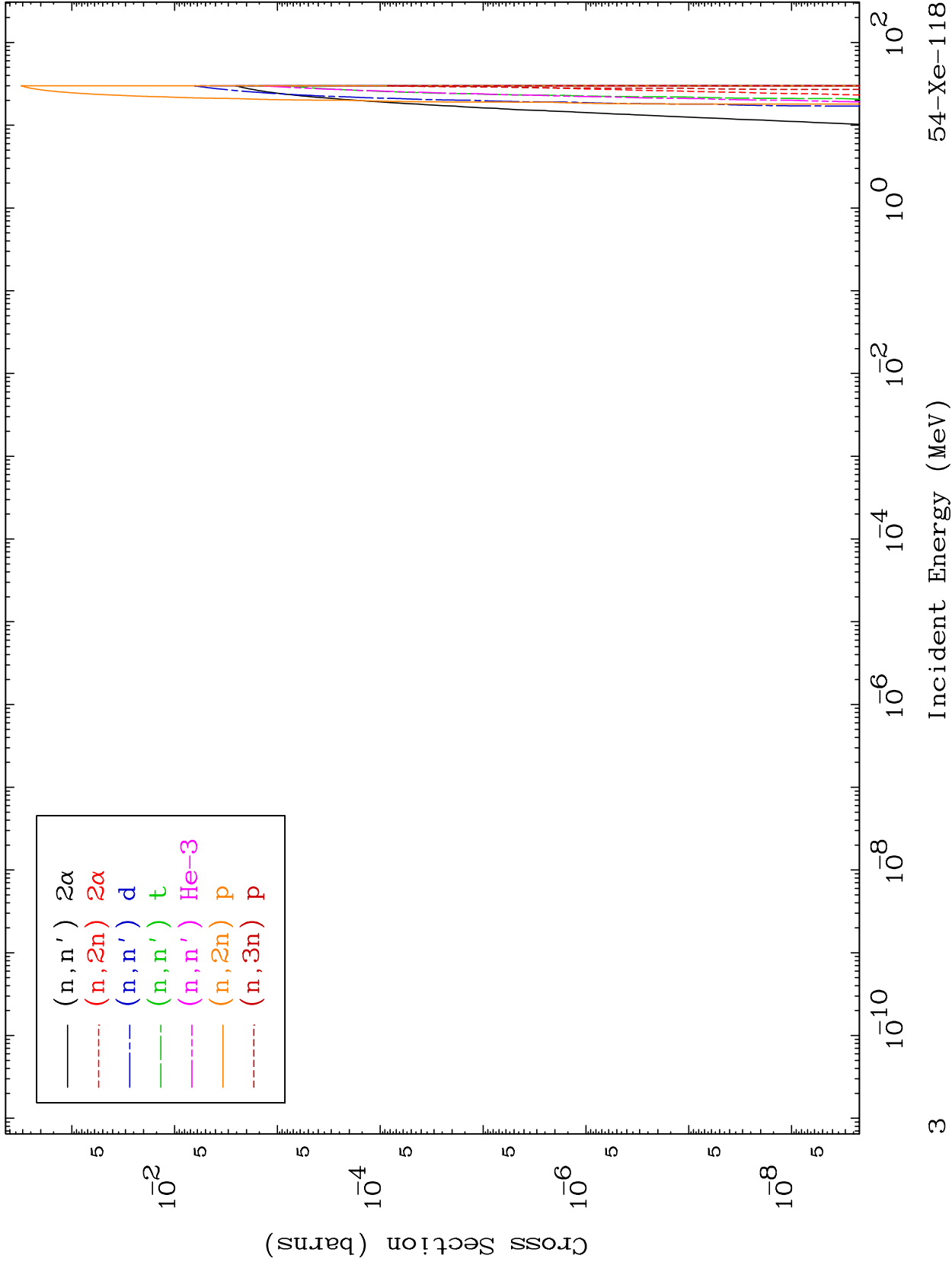
54-Xe-118



MAT 5407

Neutron Production
293 Kelvin Cross Sections

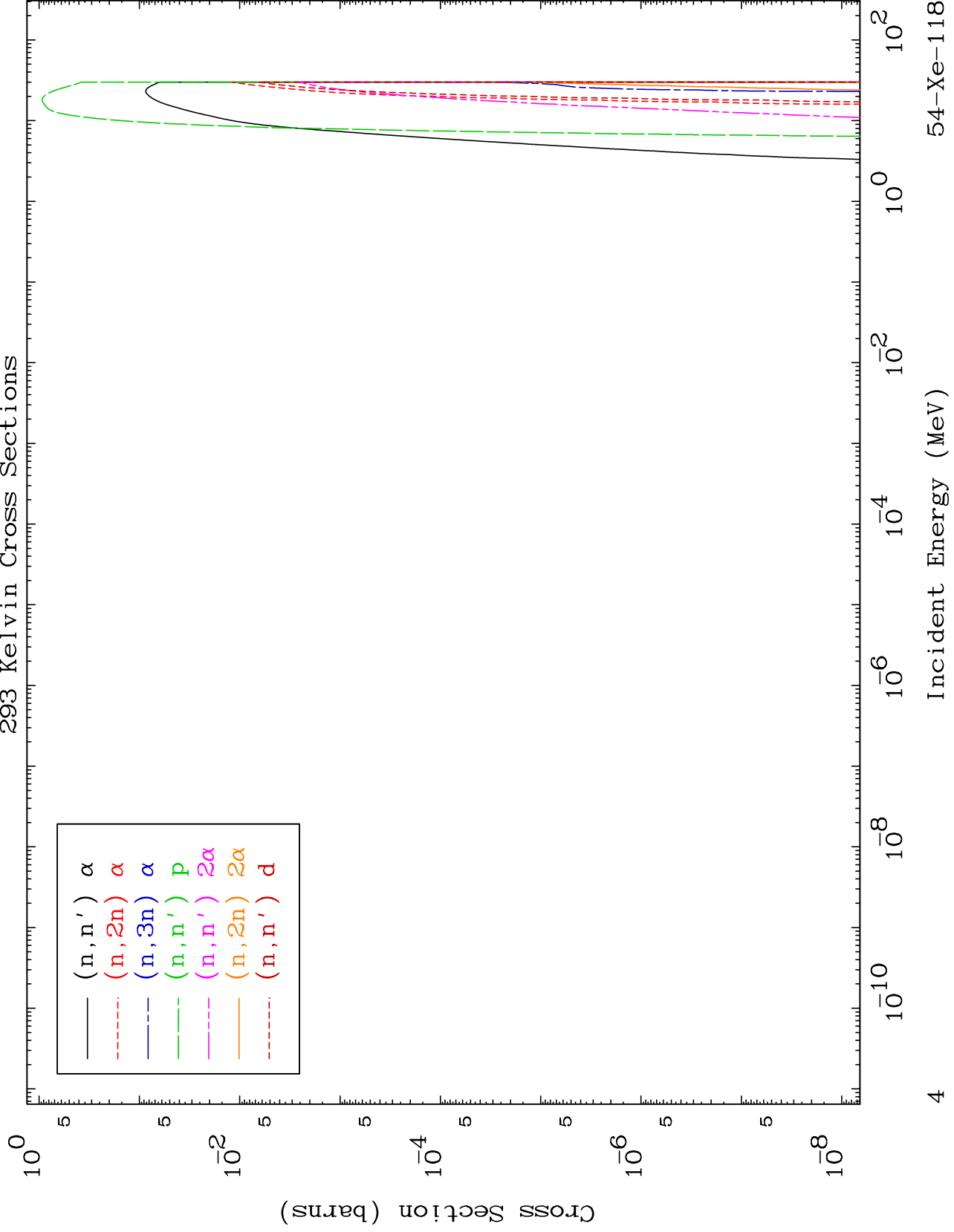
54-Xe-118



MAT 5407

Charged Particle
293 Kelvin Cross Sections

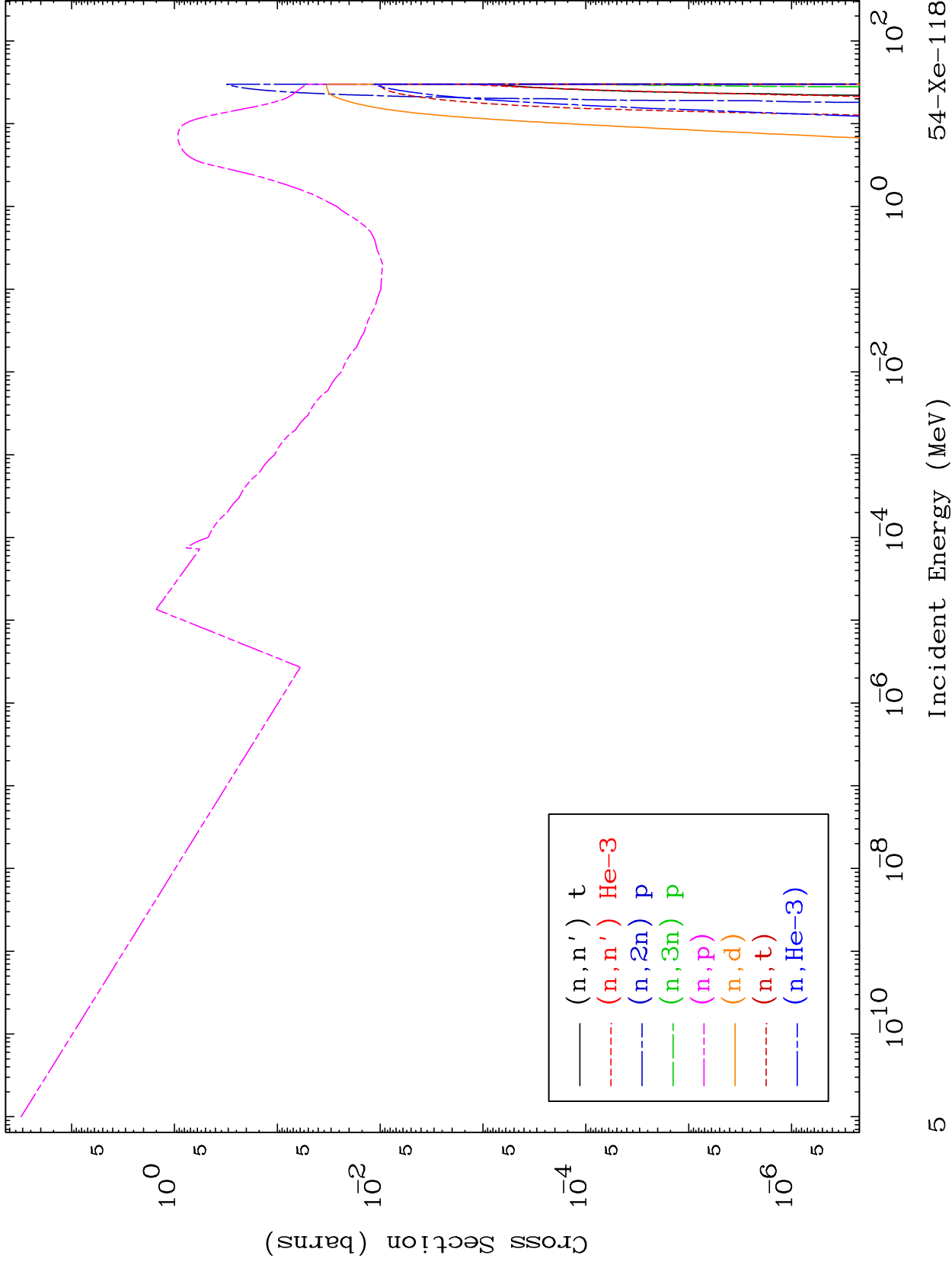
54-Xe-118



MAT 5407

Charged Particle
293 Kelvin Cross Sections

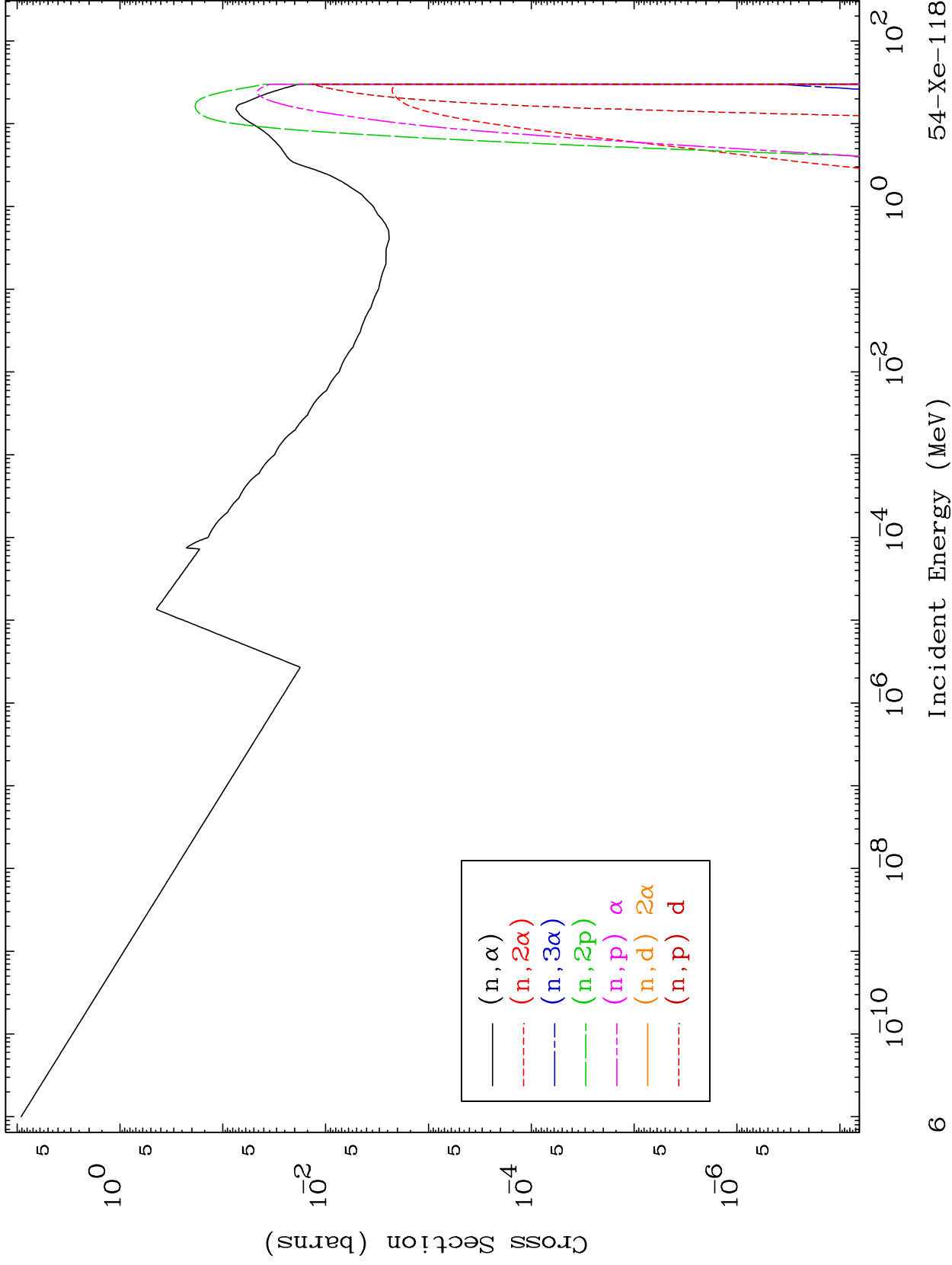
54-Xe-118



MAT 5407

Charged Particle
293 Kelvin Cross Sections

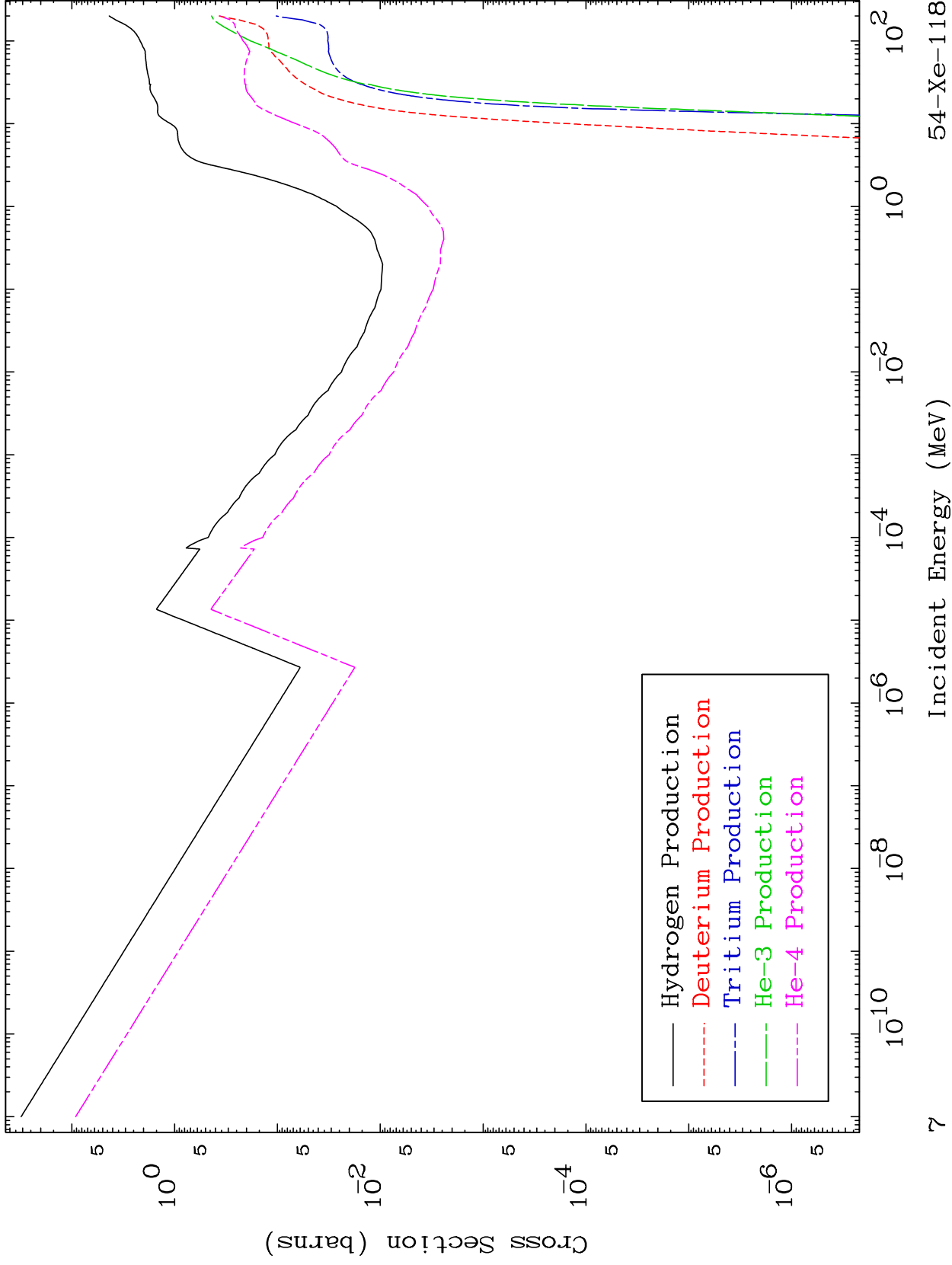
54-Xe-118



MAT 5407

Particle Production
293 Kelvin Cross Sections

54-Xe-118

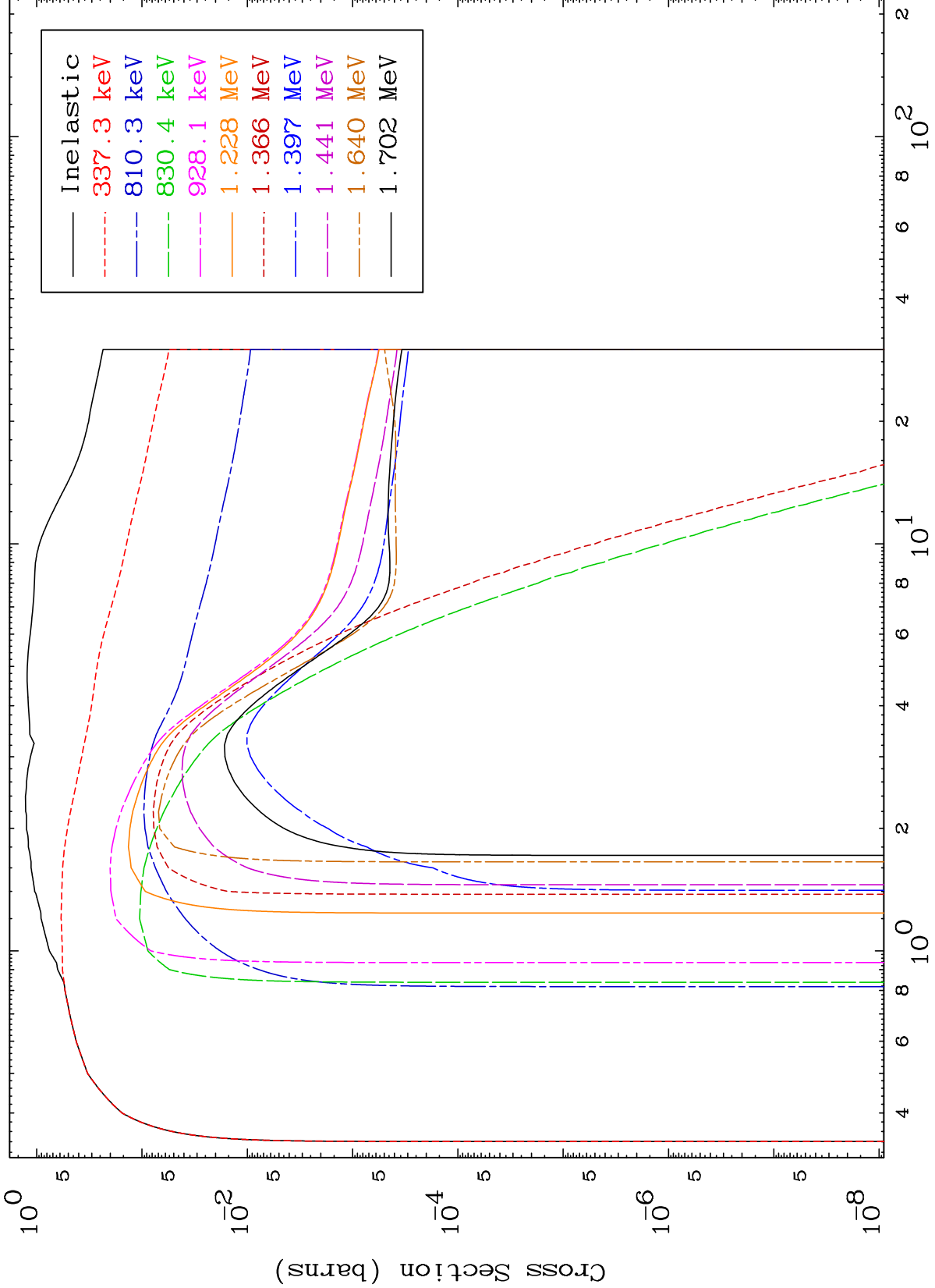


MAT 5407

(n,n') Level

54-Xe-118

293 Kelvin Cross Sections

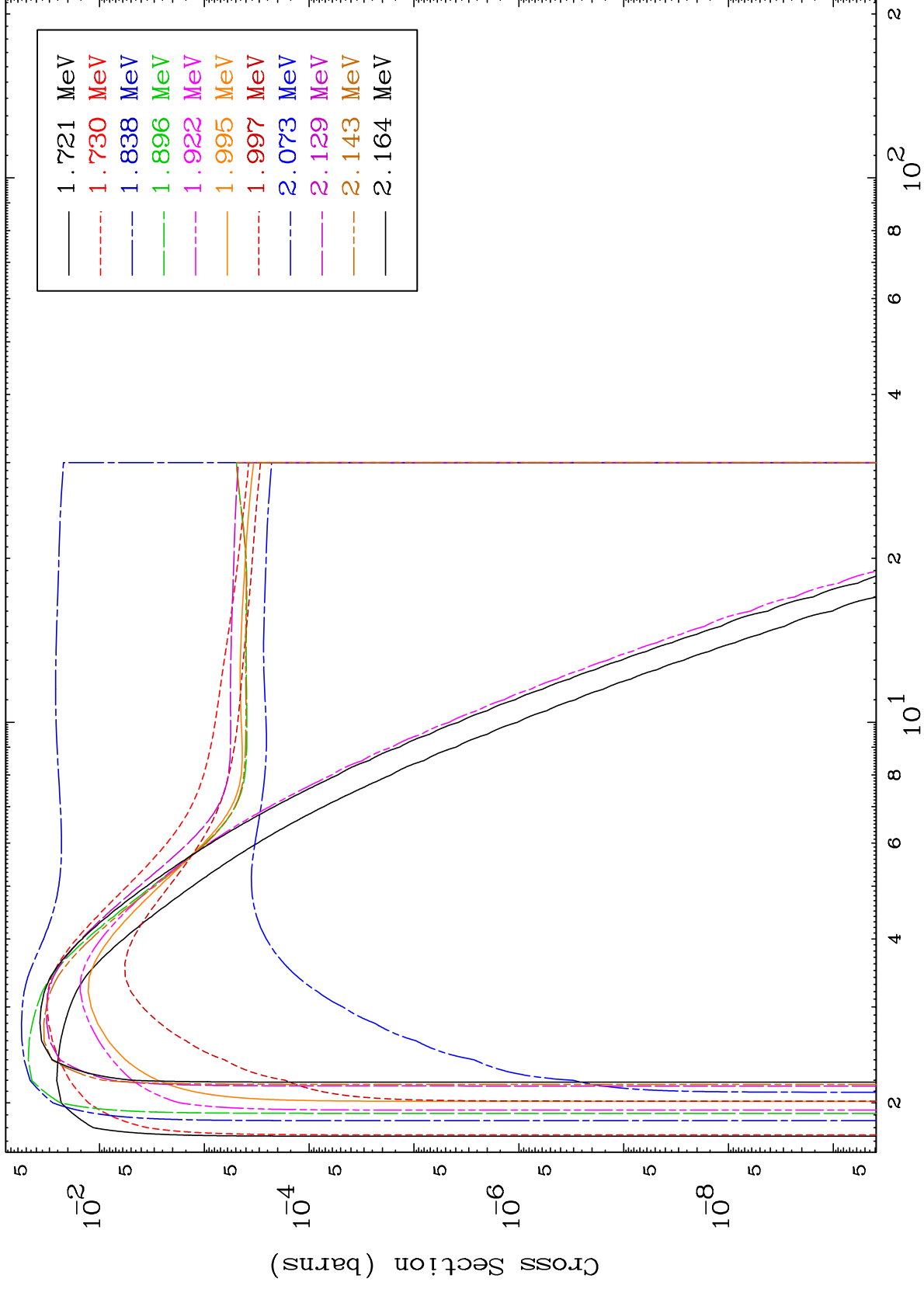


—	Inelastic
- - -	337.3 keV
- - -	810.3 keV
- - -	830.4 keV
- - -	928.1 keV
- - -	1.228 MeV
- - -	1.366 MeV
- - -	1.397 MeV
- - -	1.441 MeV
- - -	1.640 MeV
- - -	1.702 MeV

MAT 5407

(n,n') Level
293 Kelvin Cross Sections

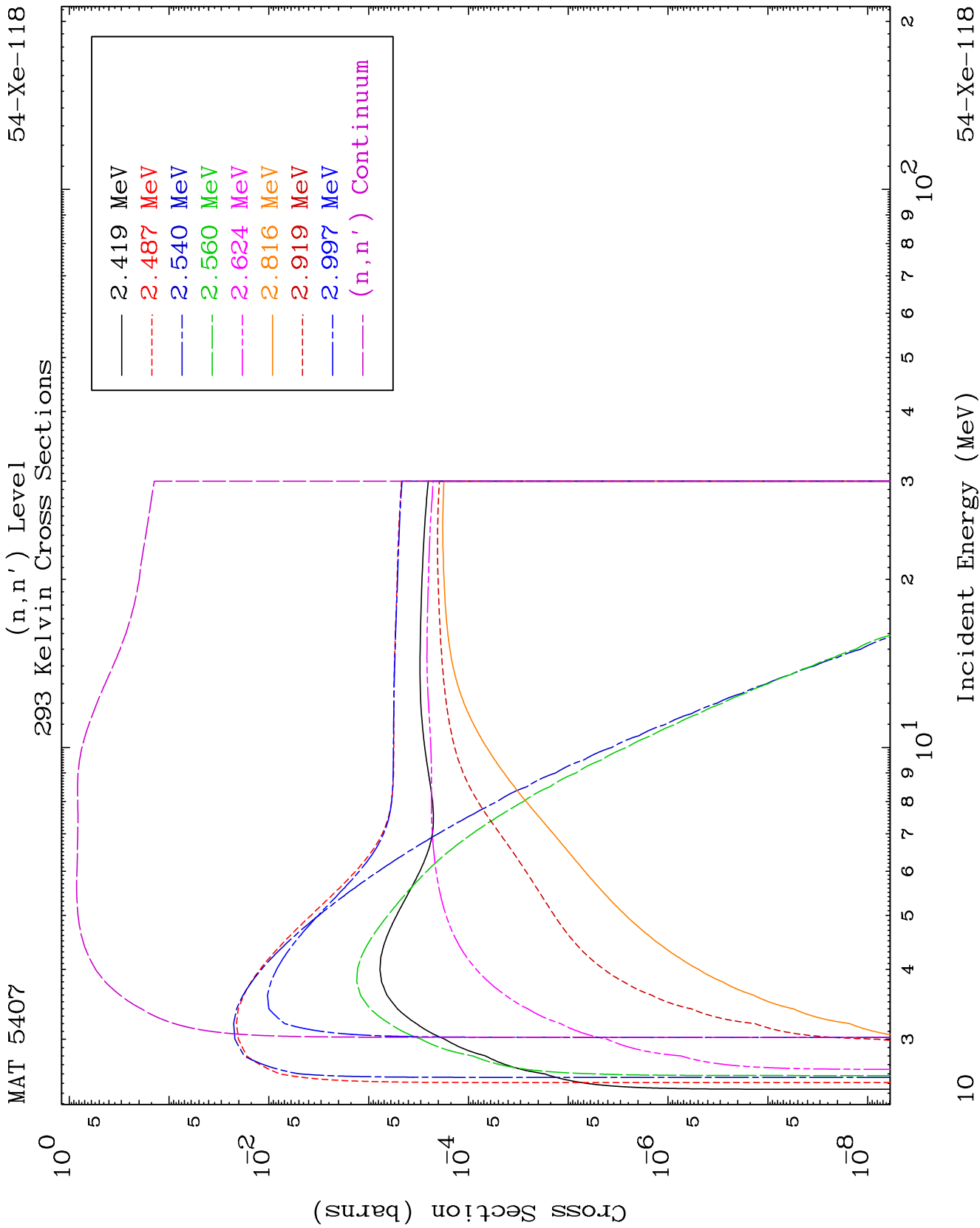
54-Xe-118



9

Incident Energy (MeV)

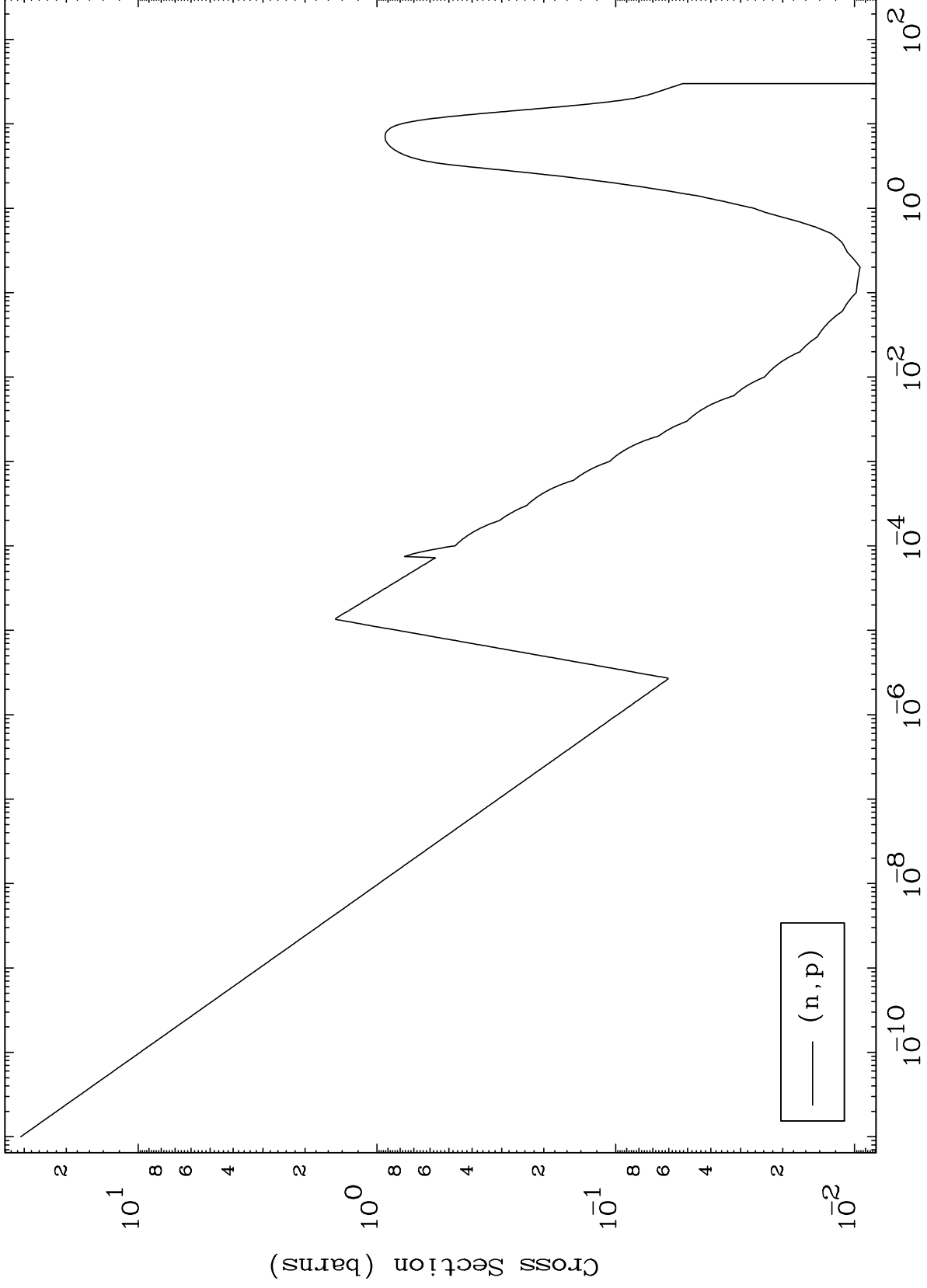
54-Xe-118



MAT 5407

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-118



11

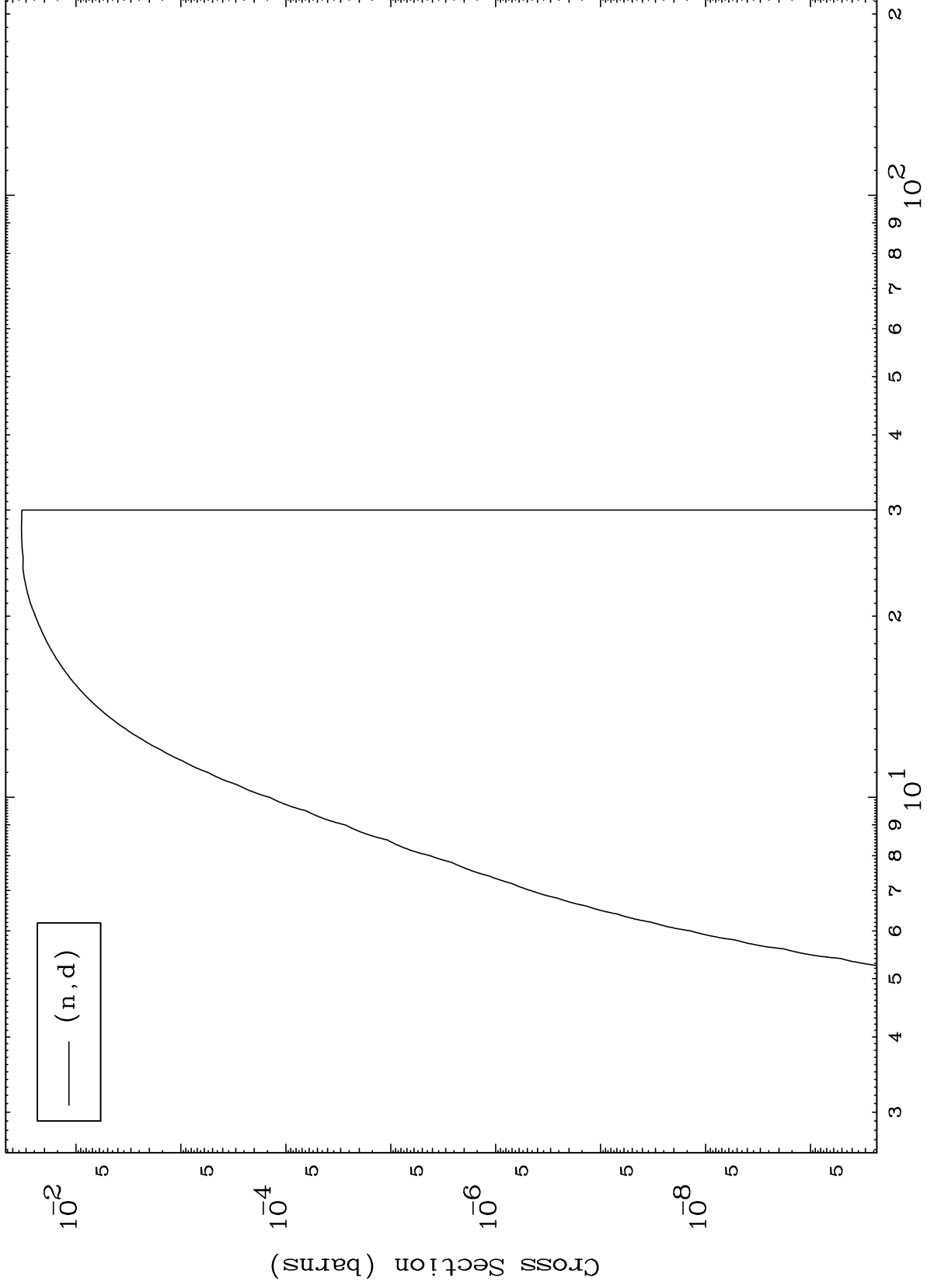
Incident Energy (MeV)

54-Xe-118

MAT 5407

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-118



12

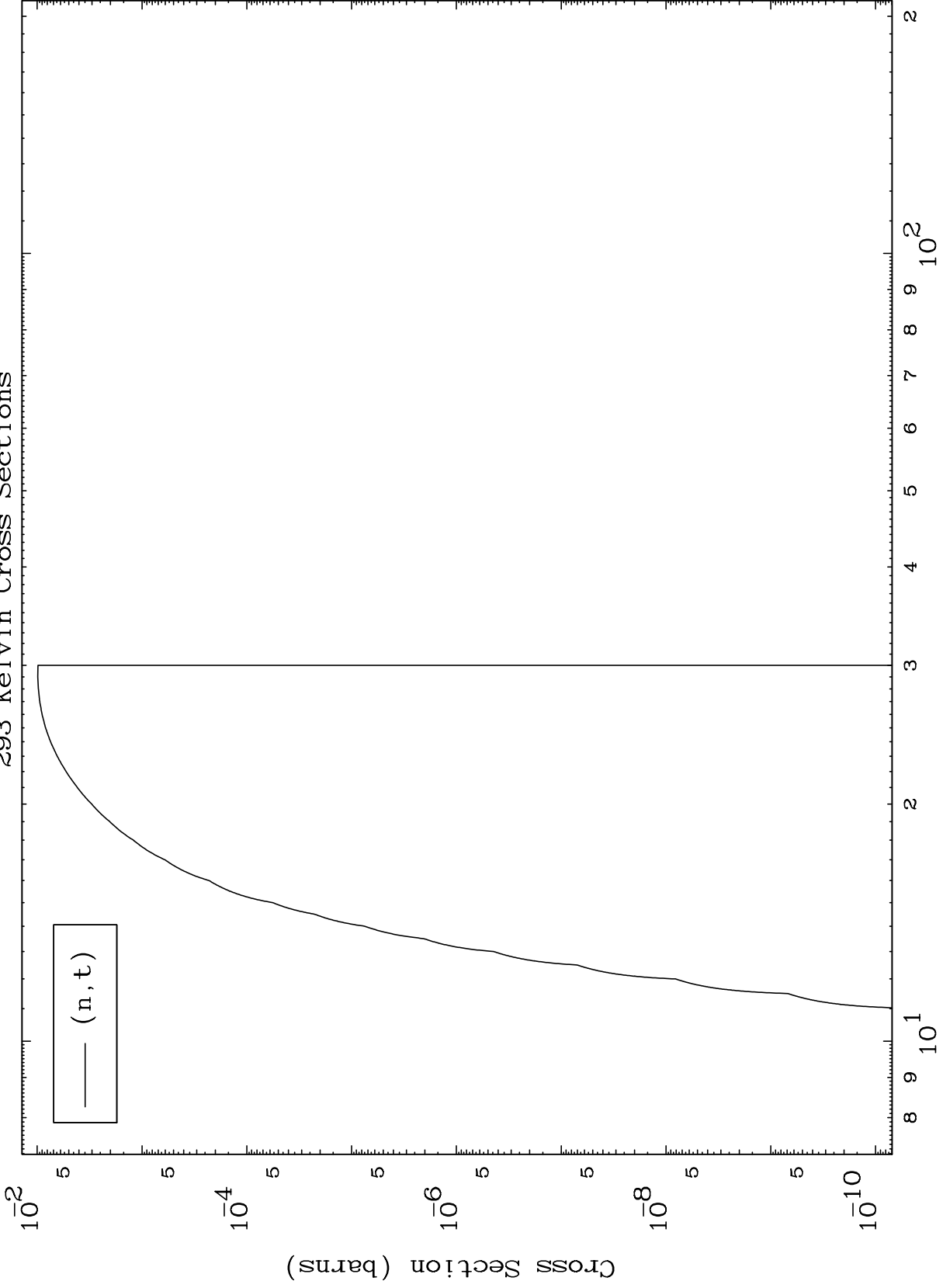
Incident Energy (MeV)

54-Xe-118

MAT 5407

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-118



13

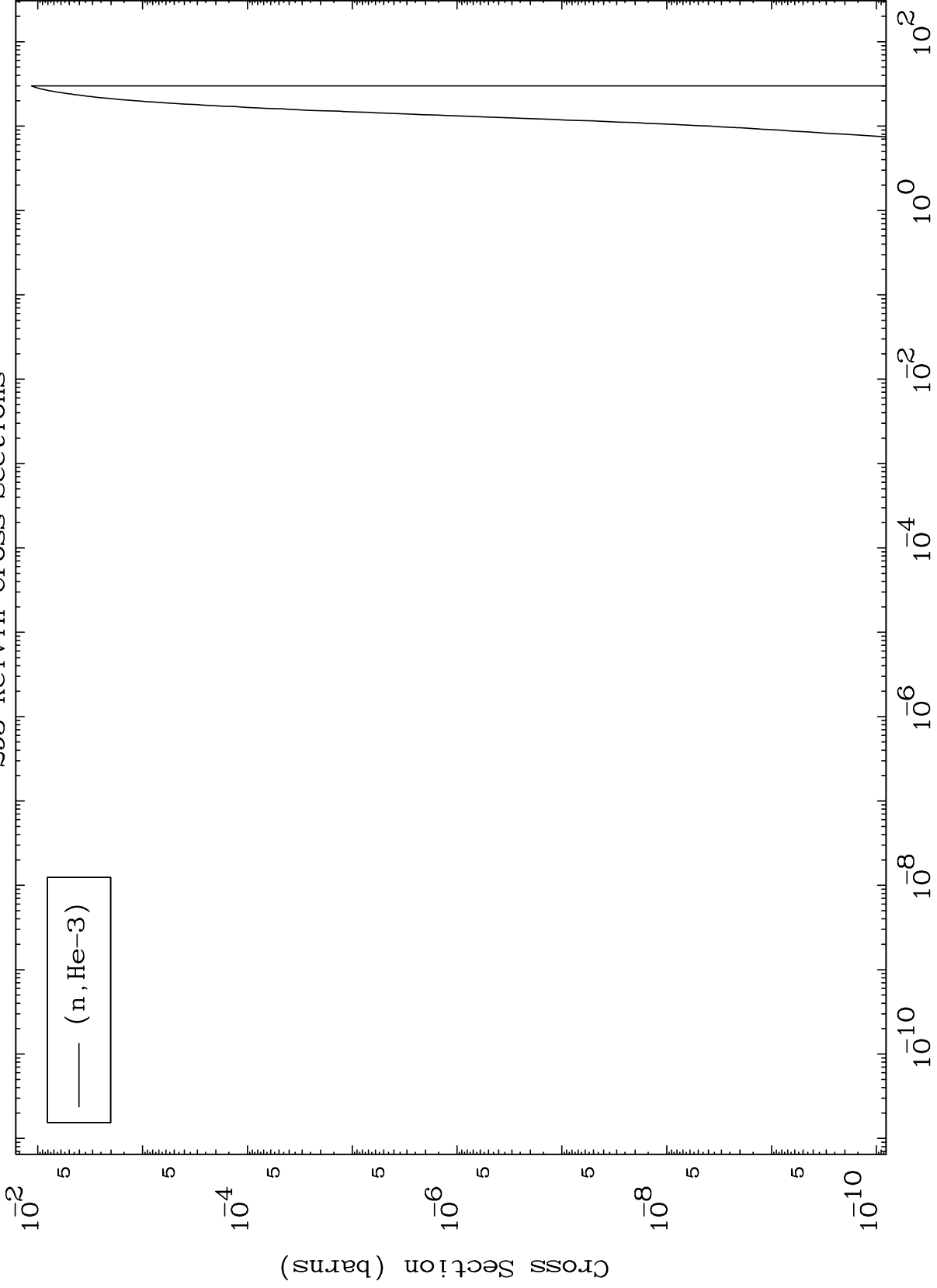
Incident Energy (MeV)

54-Xe-118

MAT 5407

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-118



14

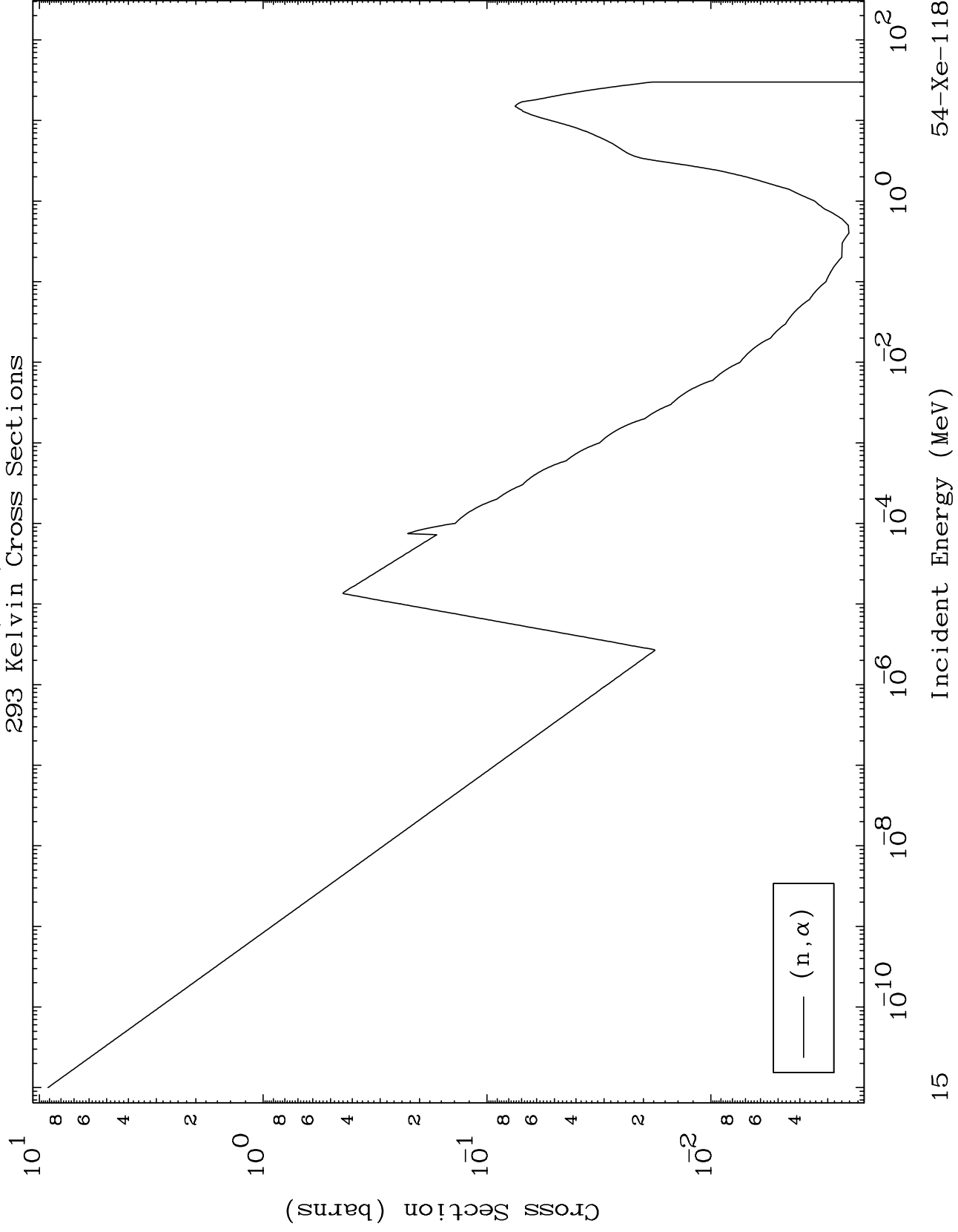
Incident Energy (MeV)

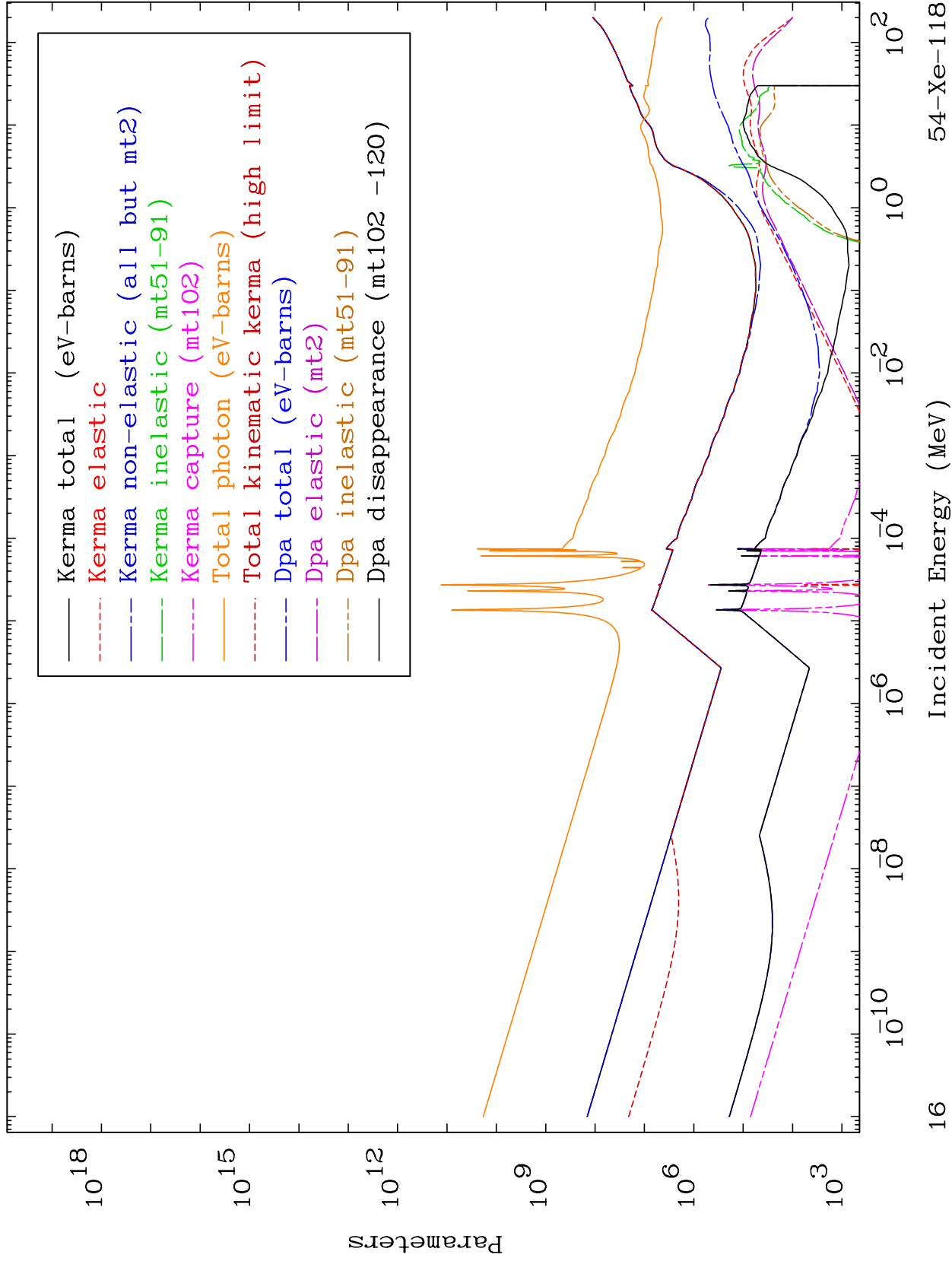
54-Xe-118

MAT 5407

(n,α) Levels
293 Kelvin Cross Sections

54-Xe-118

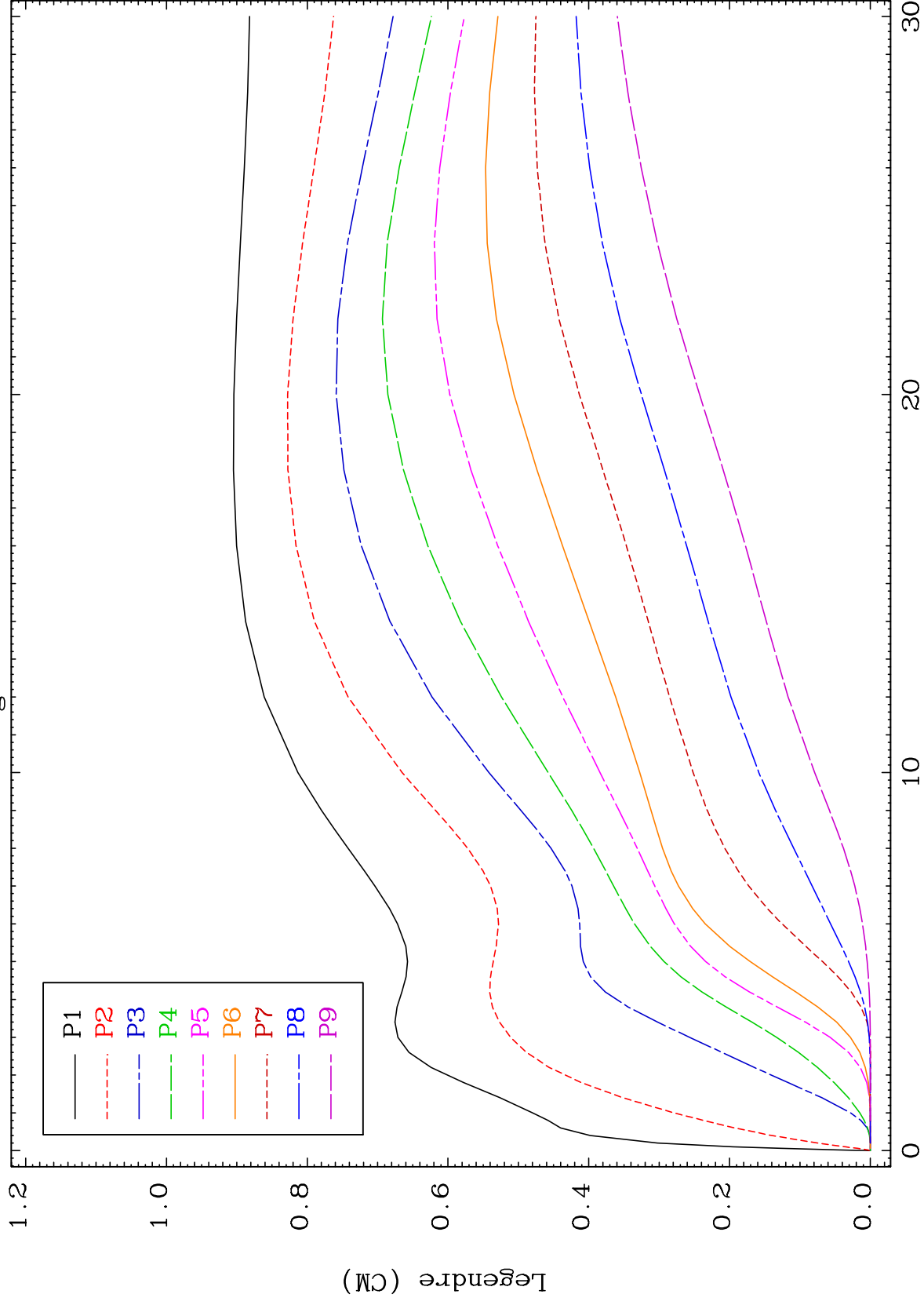




MAT 5407

Elastic Legendre Coefficients

54-Xe-118



17

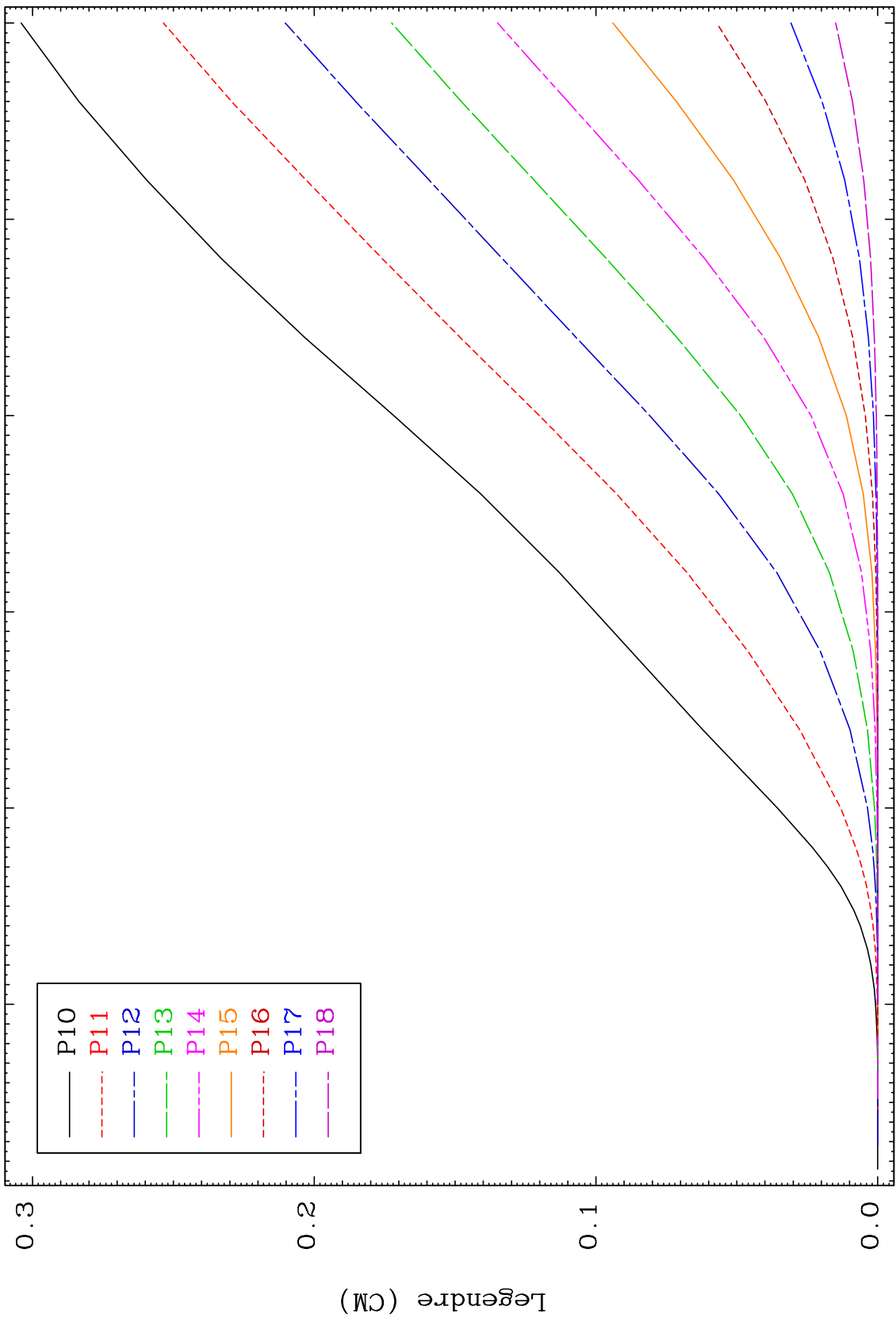
Incident Energy (MeV)

54-Xe-118

MAT 5407

Elastic Legendre Coefficients

54-Xe-118



18

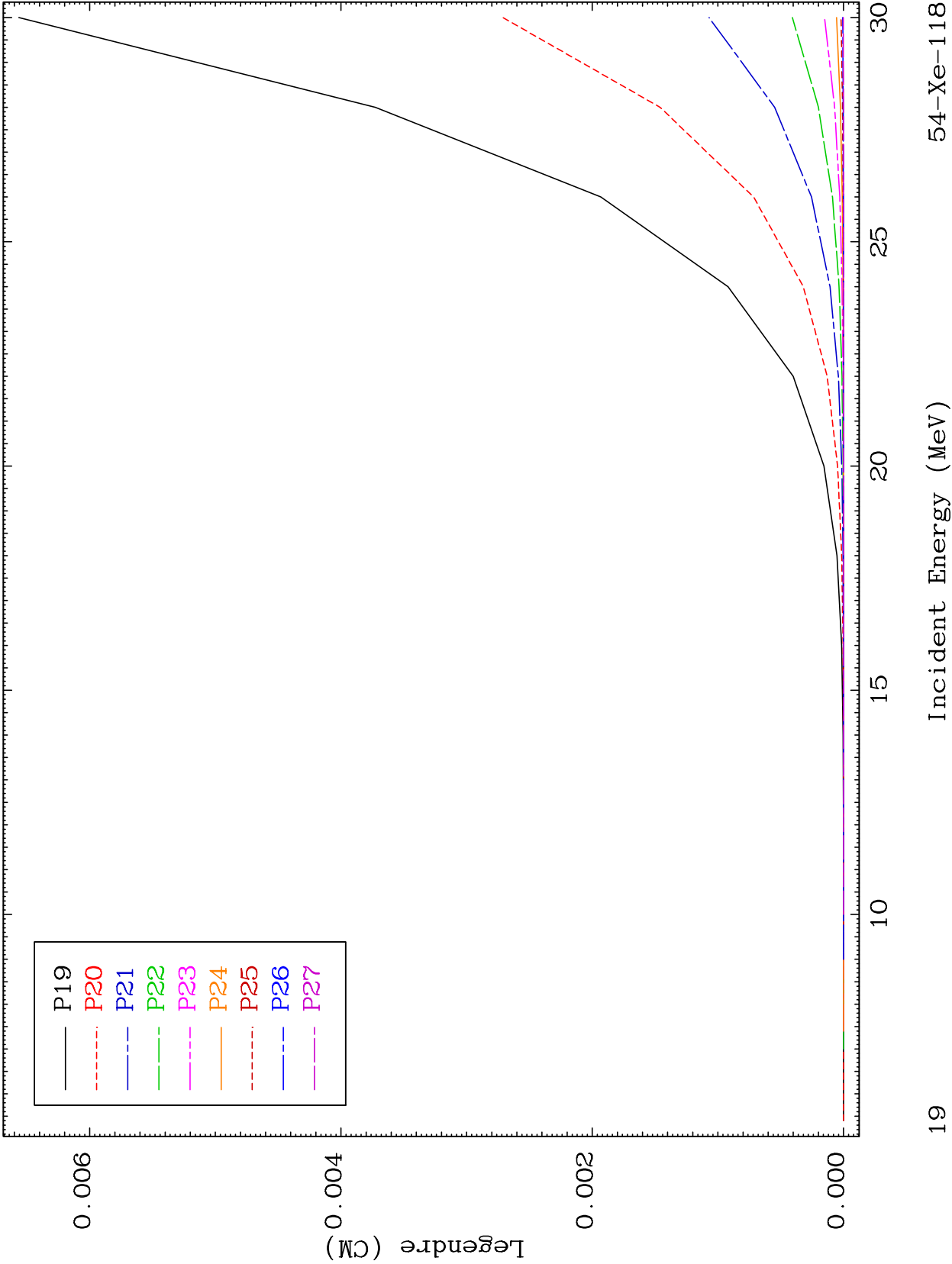
Incident Energy (MeV)

54-Xe-118

MAT 5407

Elastic Legendre Coefficients

54-Xe-118



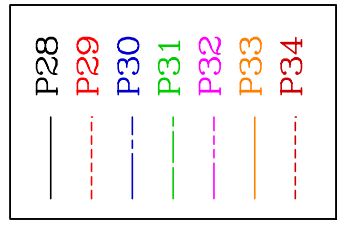
19

54-Xe-118

MAT 5407

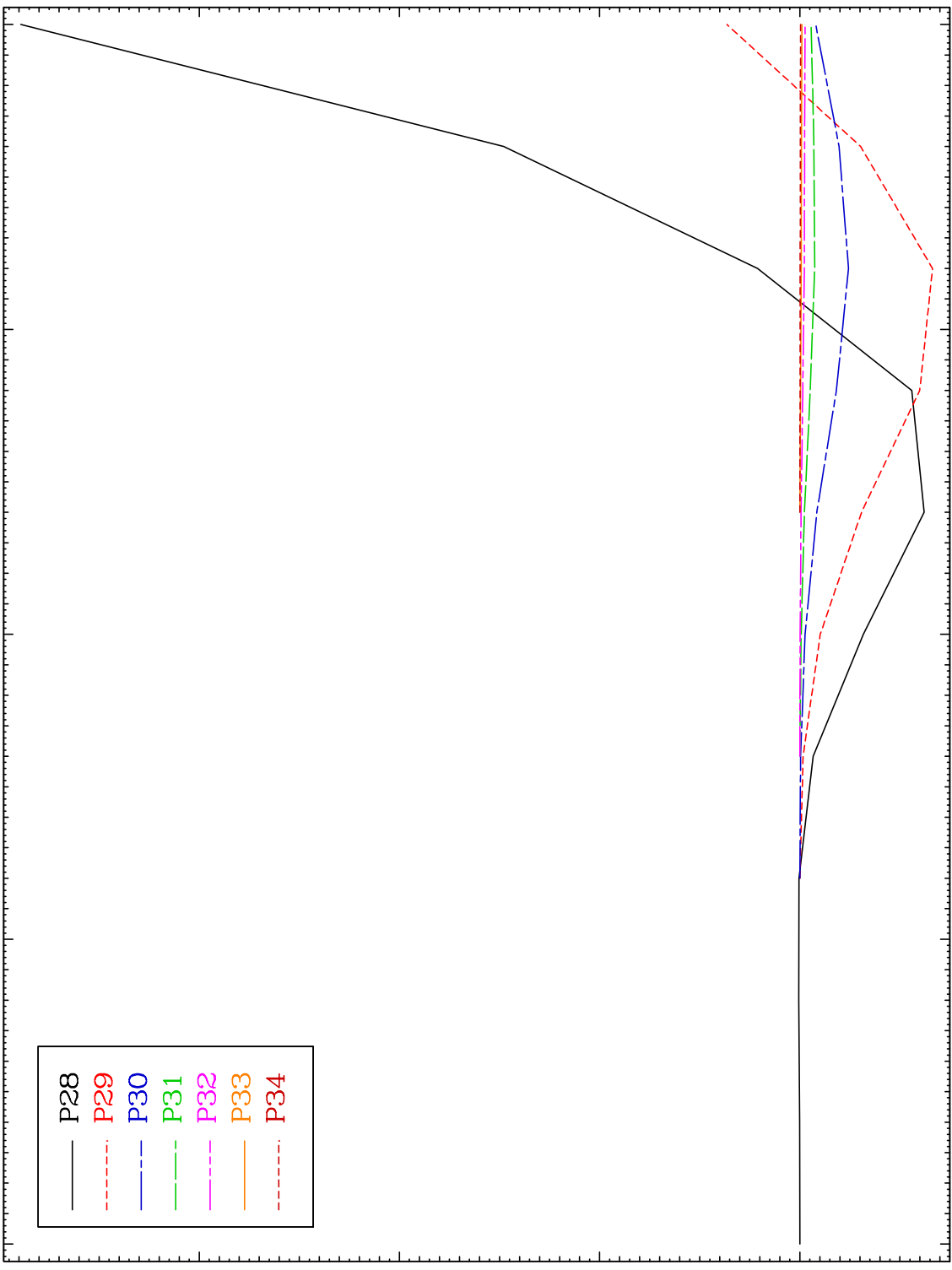
Elastic
Legendre Coefficients

54-Xe-118



$\times 10^{-7}$

Legendre (CM)



30

25

20

15

10

Incident Energy (MeV)

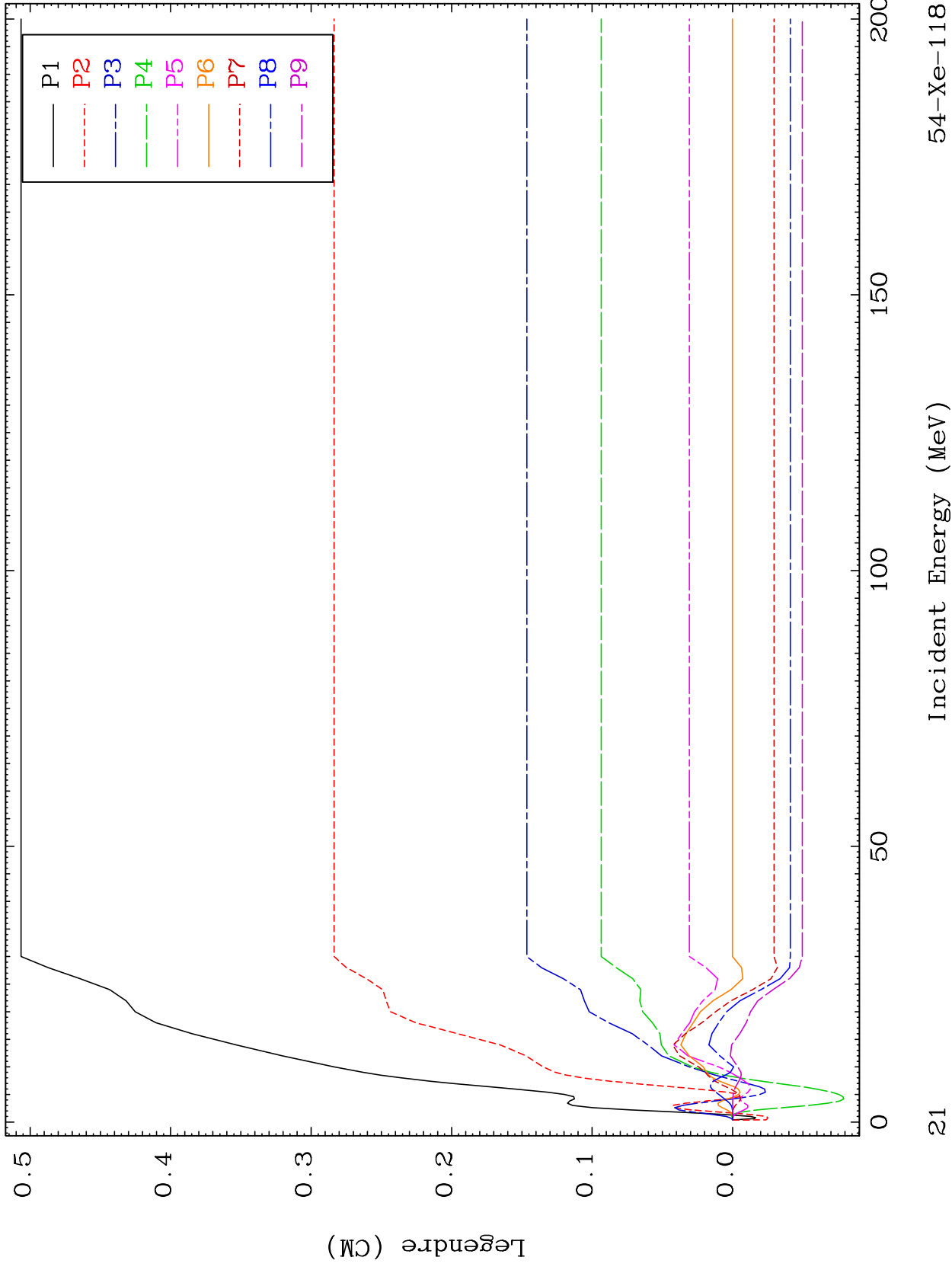
54-Xe-118

20

MAT 5407

337.3 keV (n,n') Level
Legendre Coefficients

54-Xe-118



54-Xe-118

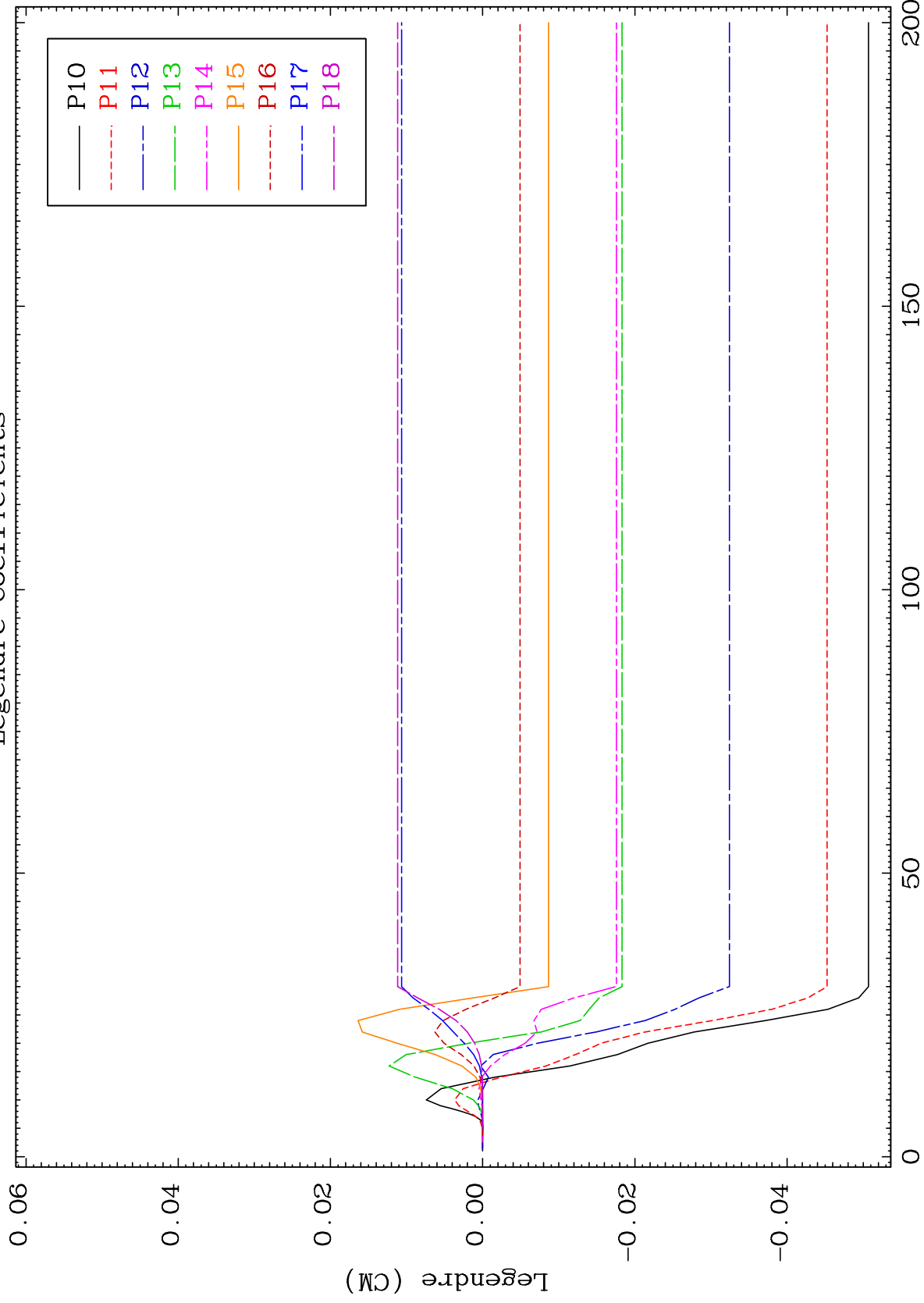
Incident Energy (MeV)

21

MAT 5407

337.3 keV (n,n') Level
Legendre Coefficients

54-Xe-118



22

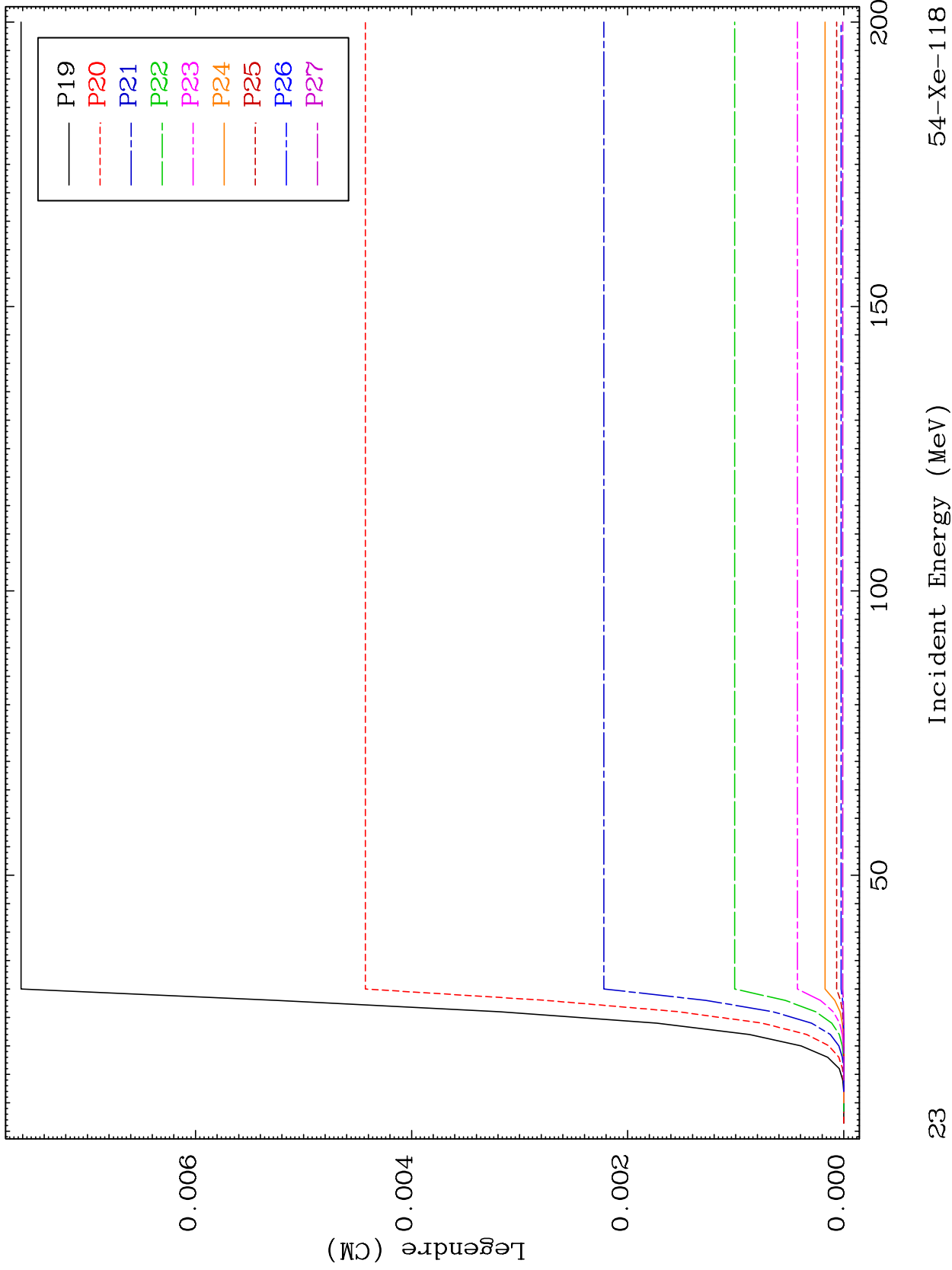
Incident Energy (MeV)

54-Xe-118

MAT 5407

337.3 keV (n,n') Level
Legendre Coefficients

54-Xe-118



23

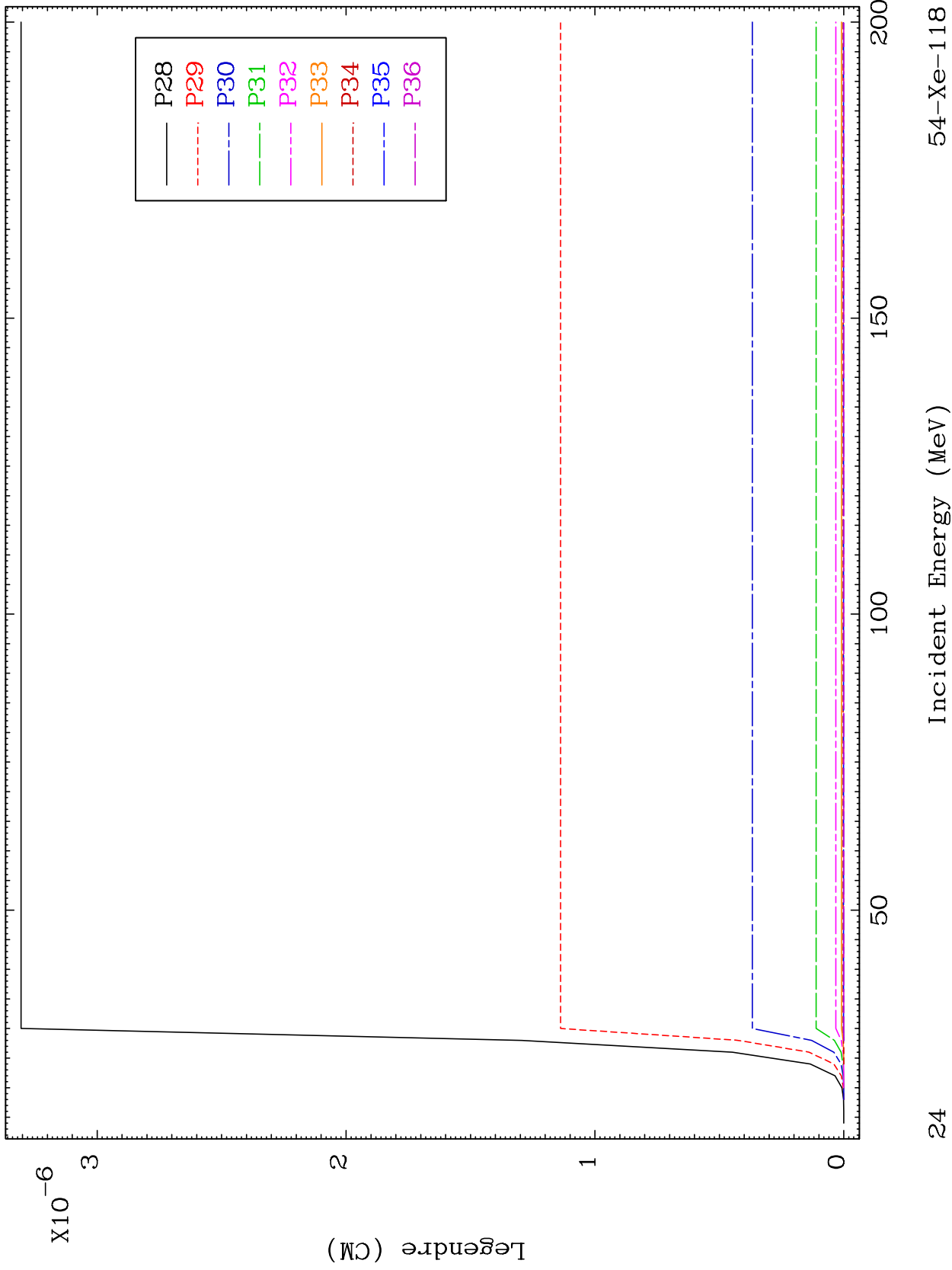
Incident Energy (MeV)

54-Xe-118

MAT 5407

337.3 keV (n,n') Level
Legendre Coefficients

54-Xe-118



24

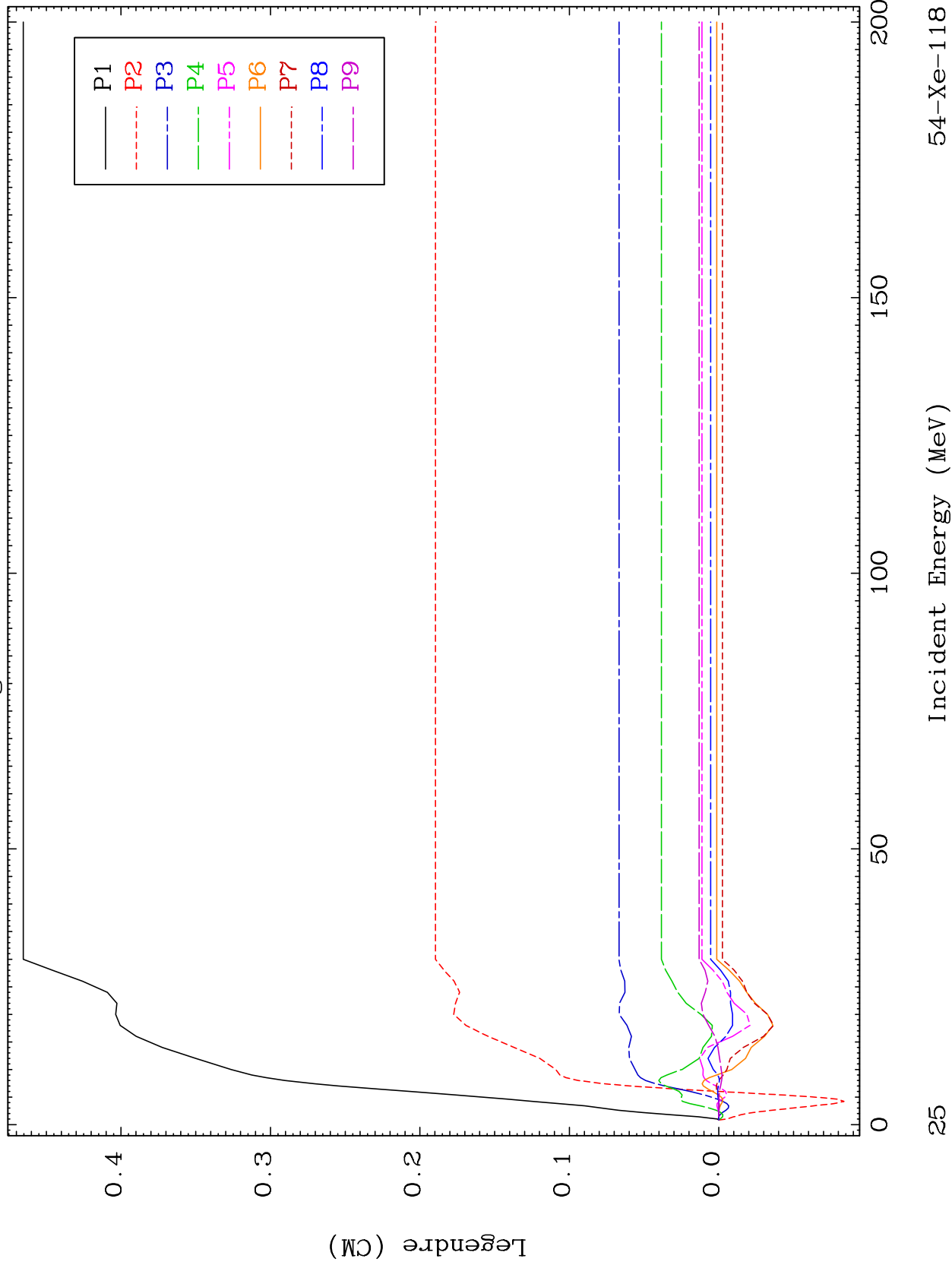
Incident Energy (MeV)

54-Xe-118

MAT 5407

810.3 keV (n,n') Level
Legendre Coefficients

54-Xe-118



54-Xe-118

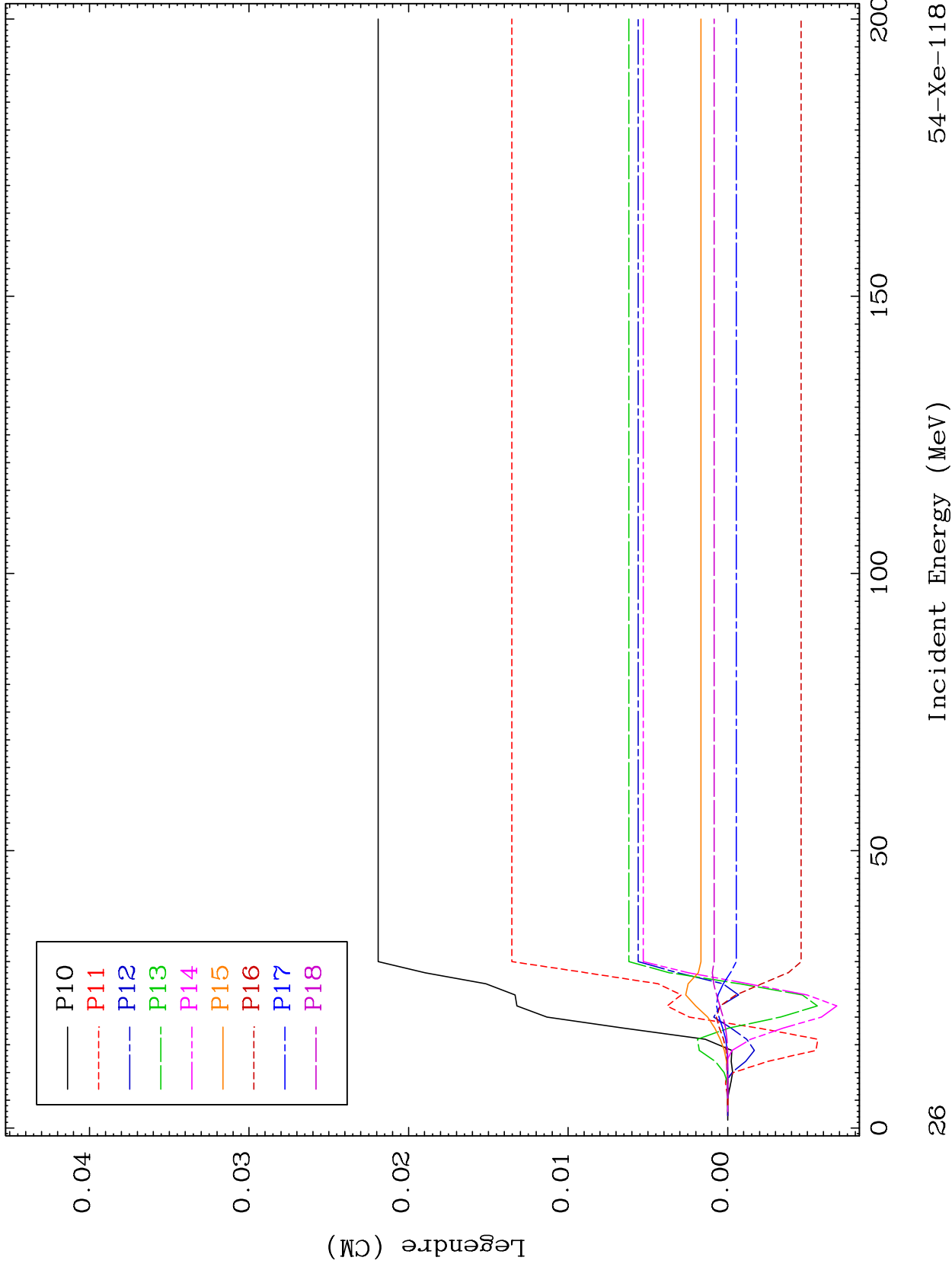
Incident Energy (MeV)

25

MAT 5407

810.3 keV (n,n') Level
Legendre Coefficients

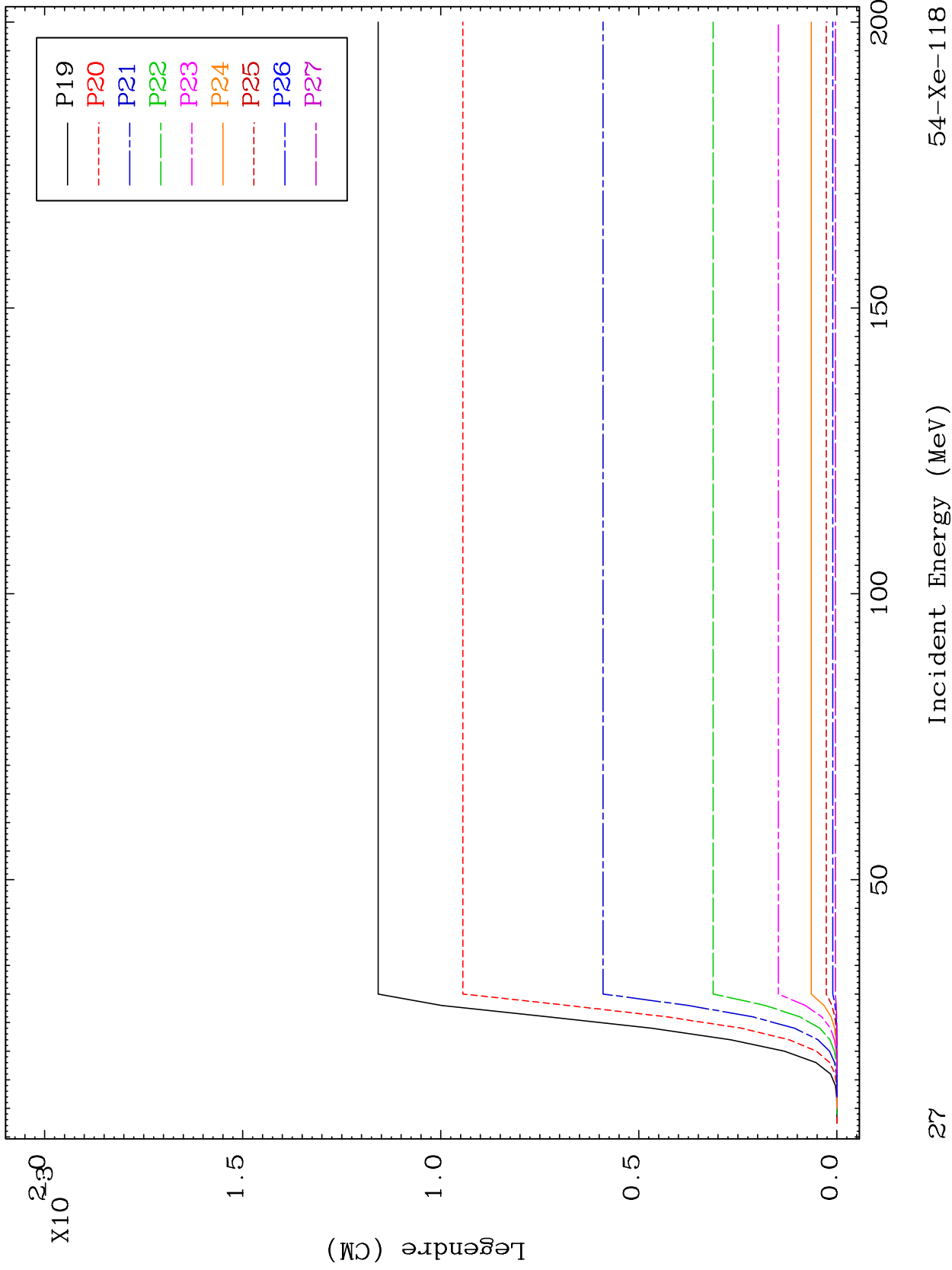
54-Xe-118



54-Xe-118

Incident Energy (MeV)

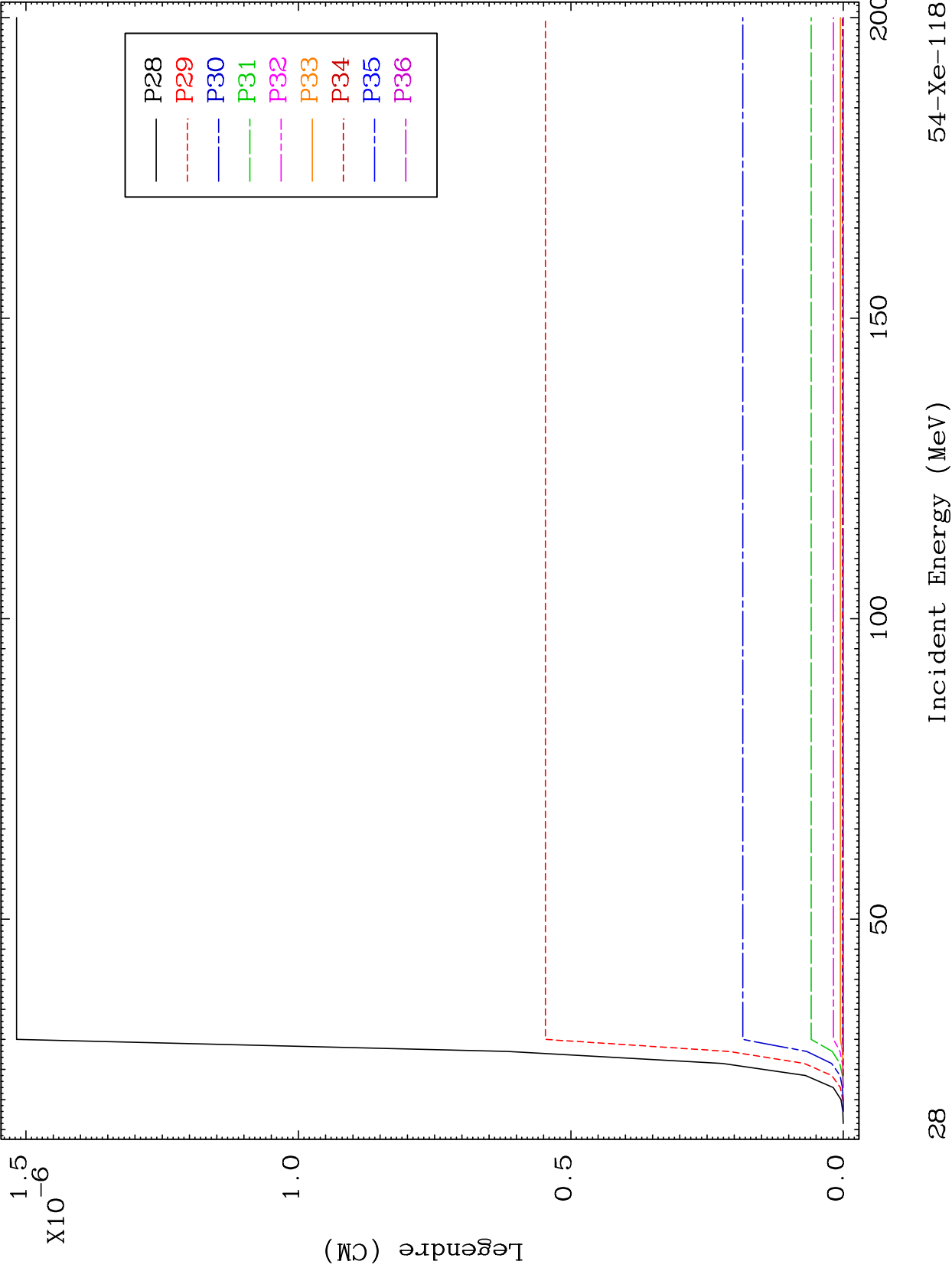
26



MAT 5407

810.3 keV (n,n') Level
Legendre Coefficients

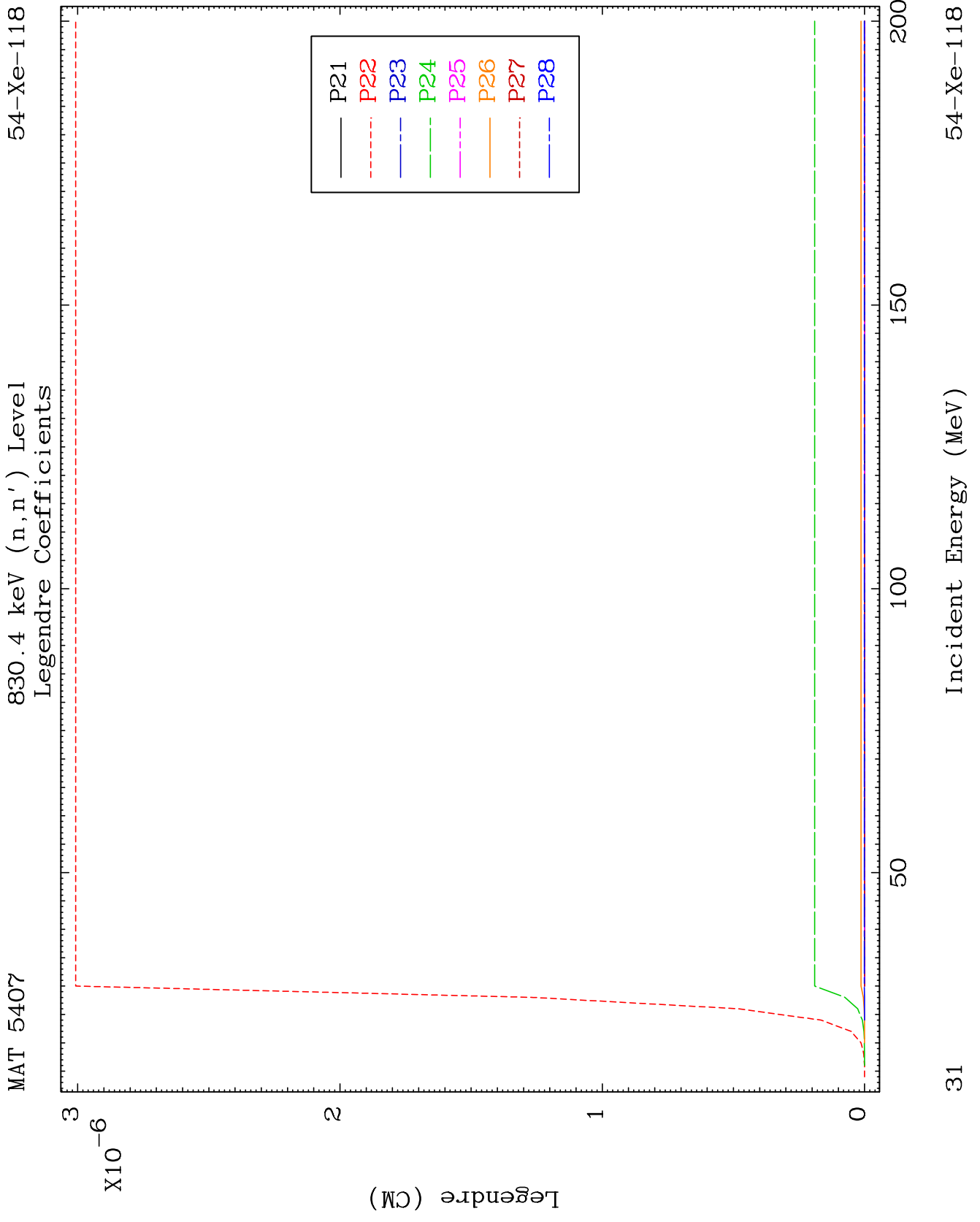
54-Xe-118



54-Xe-118

Incident Energy (MeV)

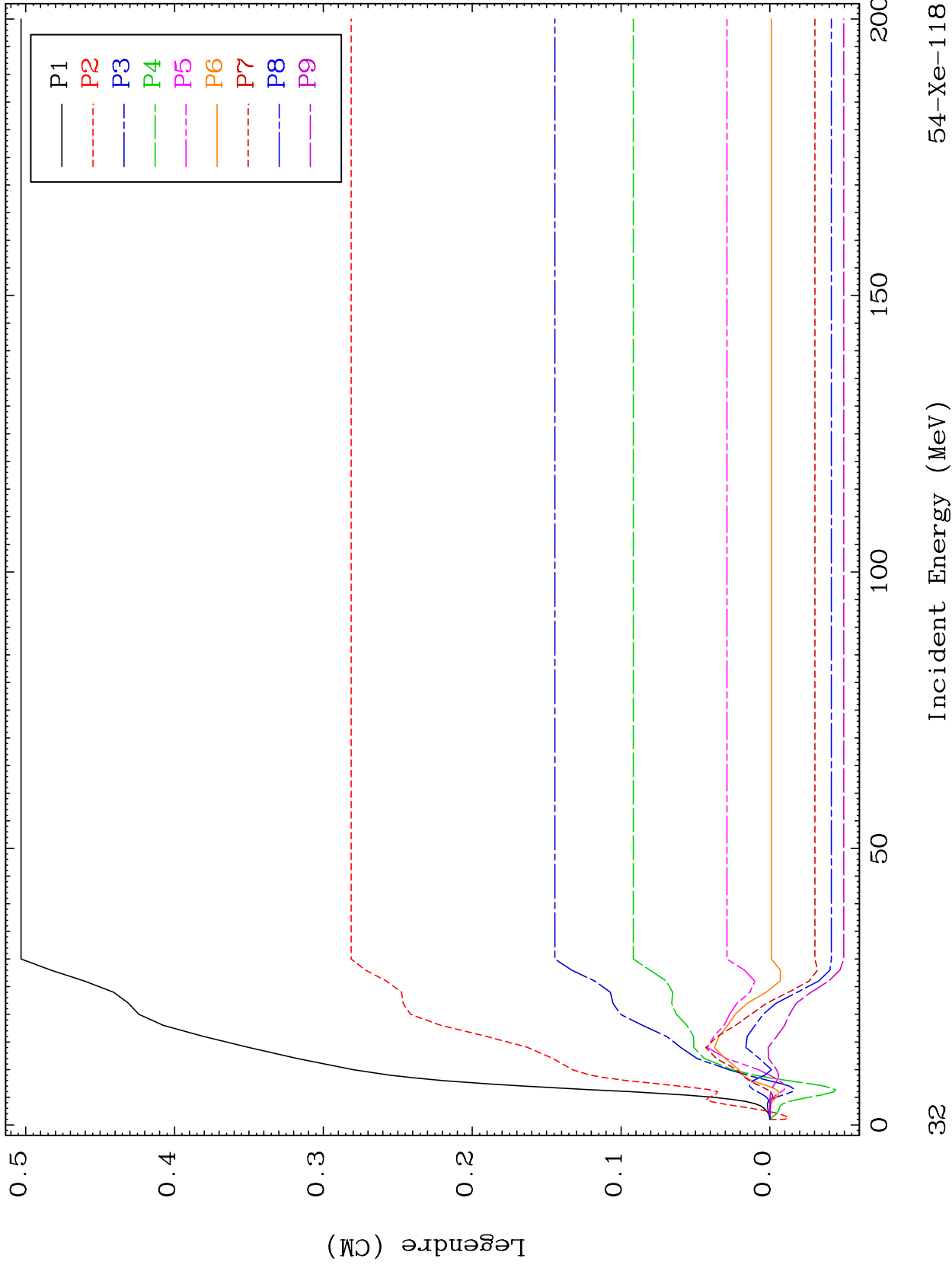
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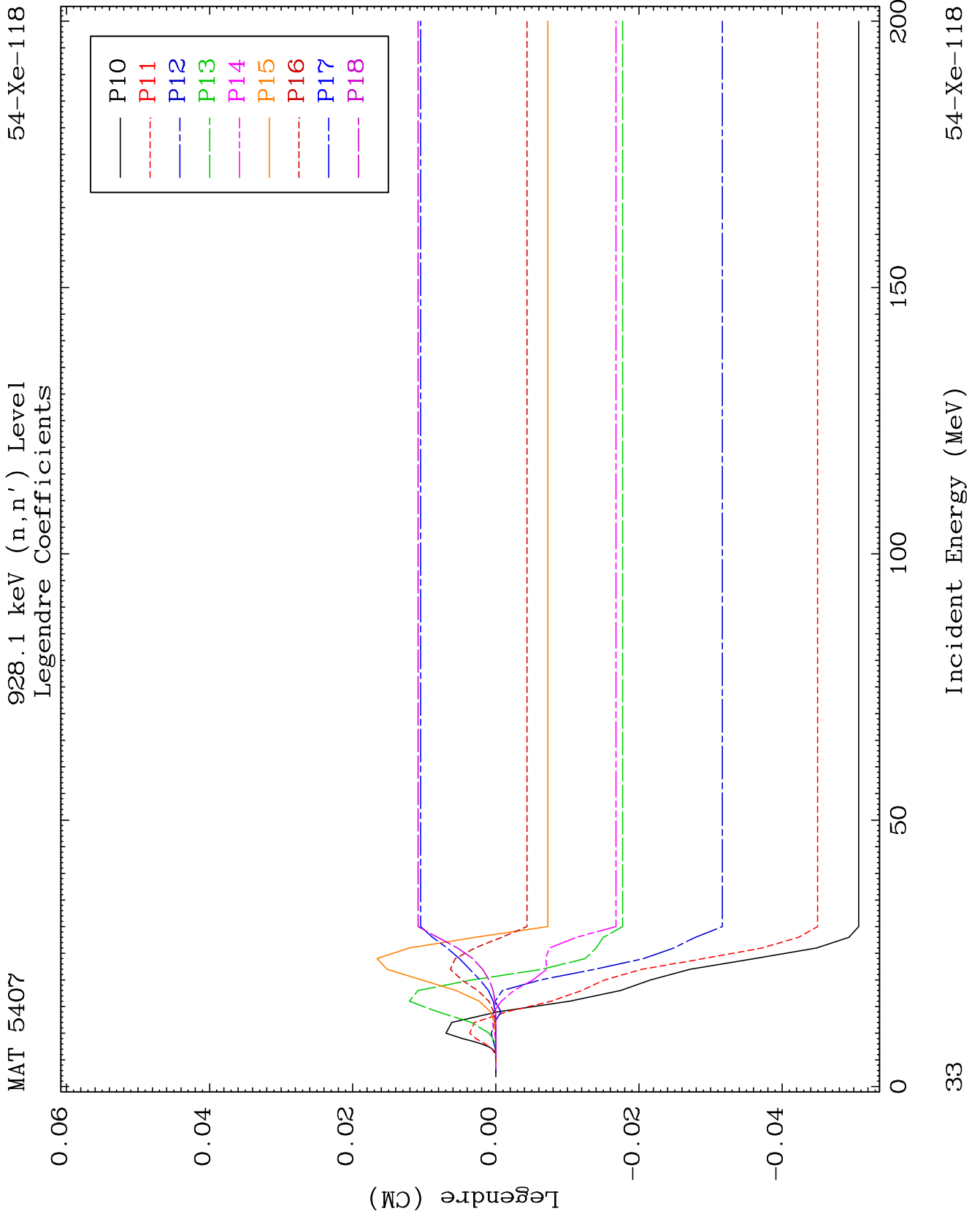


MAT 5407

928.1 keV (n,n') Level
Legendre Coefficients

54-Xe-118

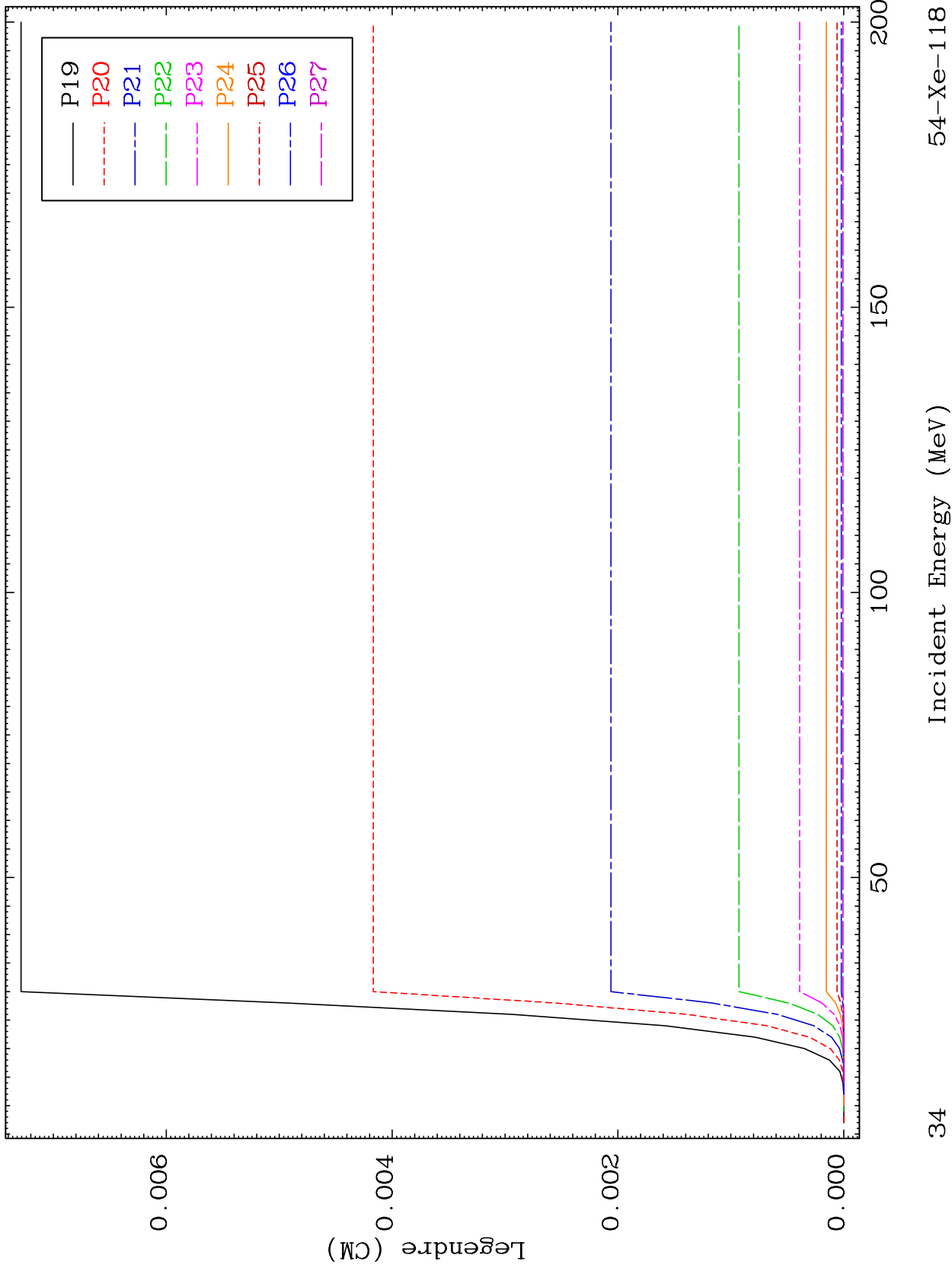




MAT 5407

928.1 keV (n,n') Level
Legendre Coefficients

54-Xe-118



34

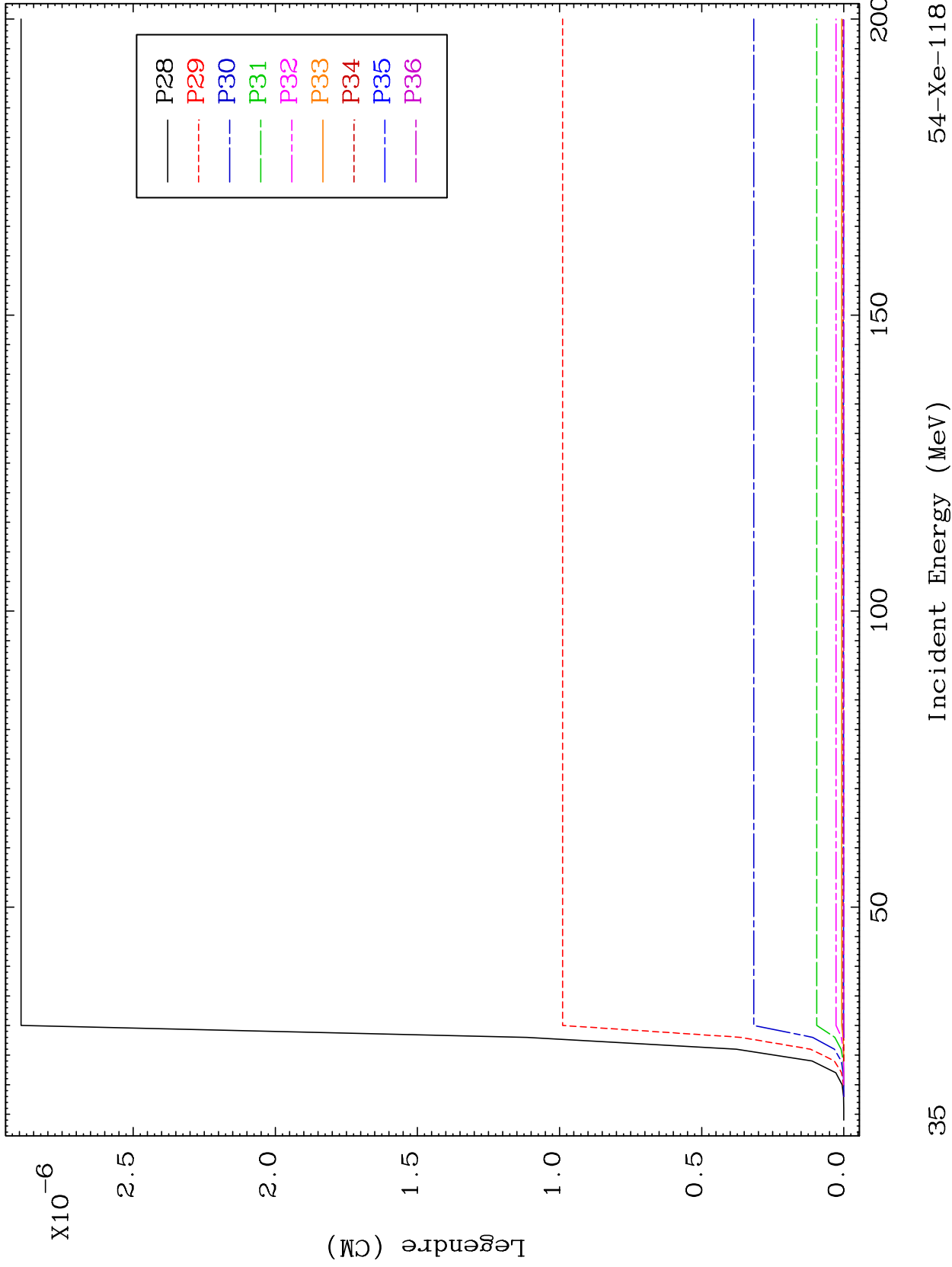
Incident Energy (MeV)

54-Xe-118

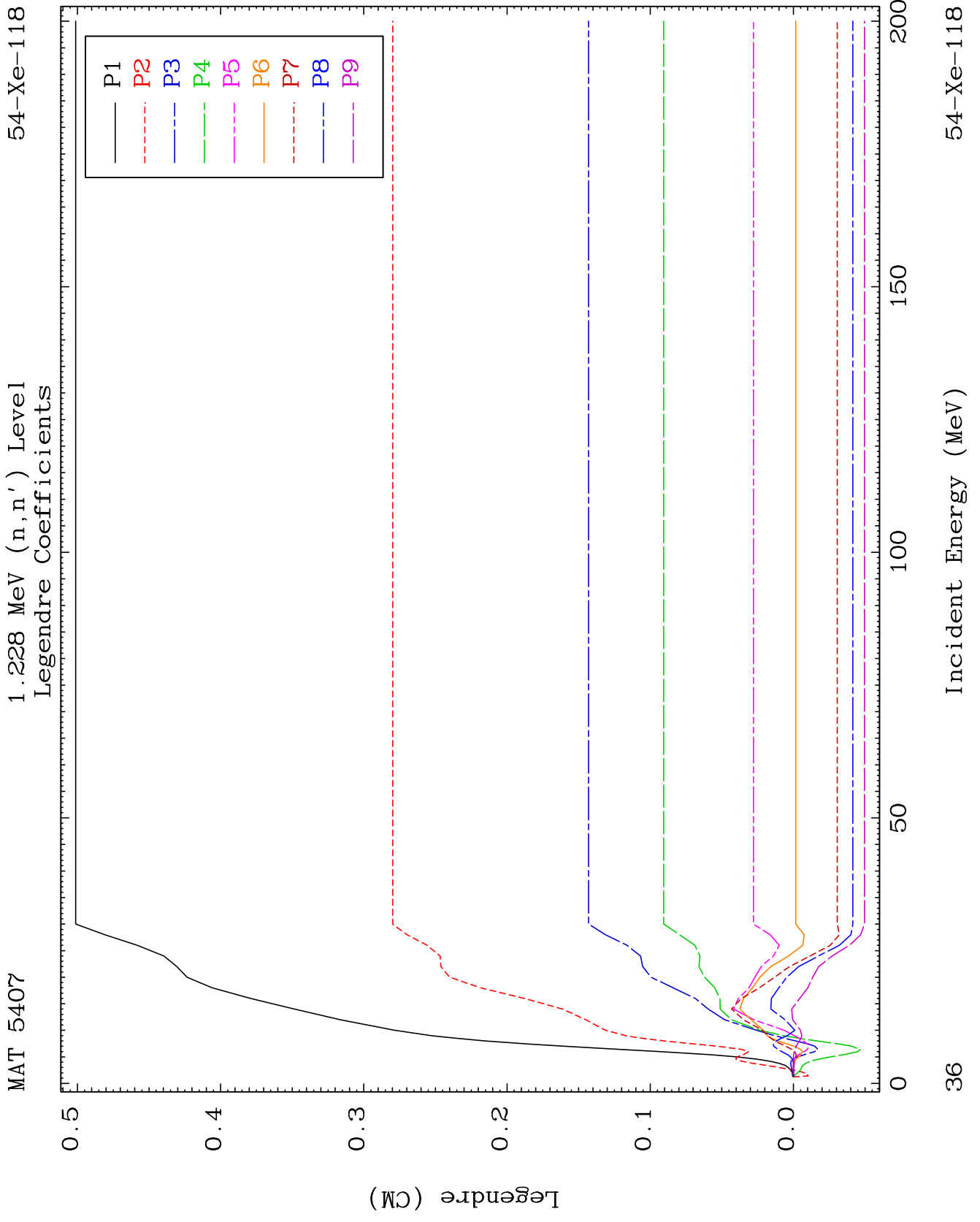
MAT 5407

928.1 keV (n,n') Level
Legendre Coefficients

54-Xe-118



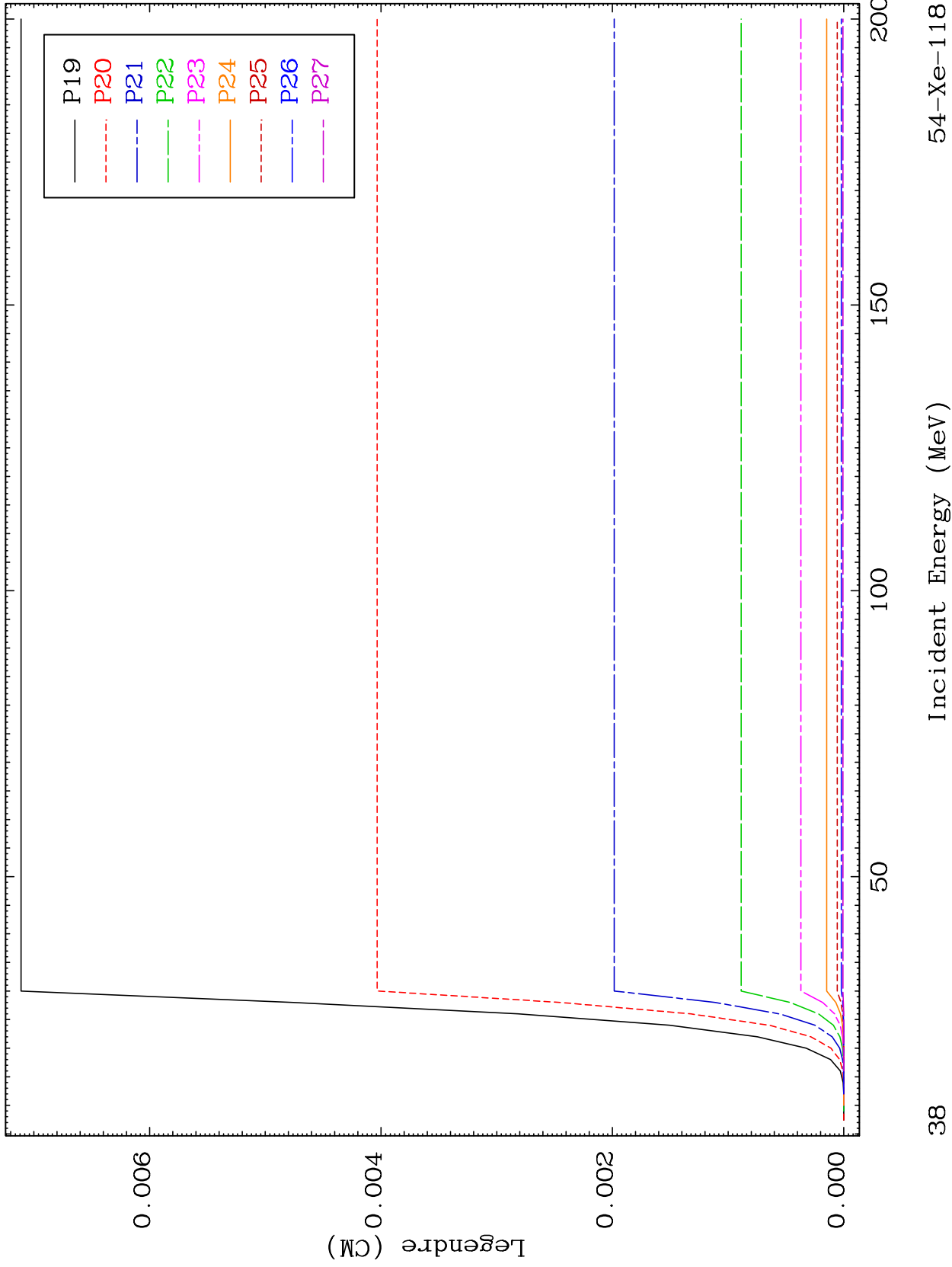
35



MAT 5407

1.228 MeV (n,n') Level
Legendre Coefficients

54-Xe-118



38

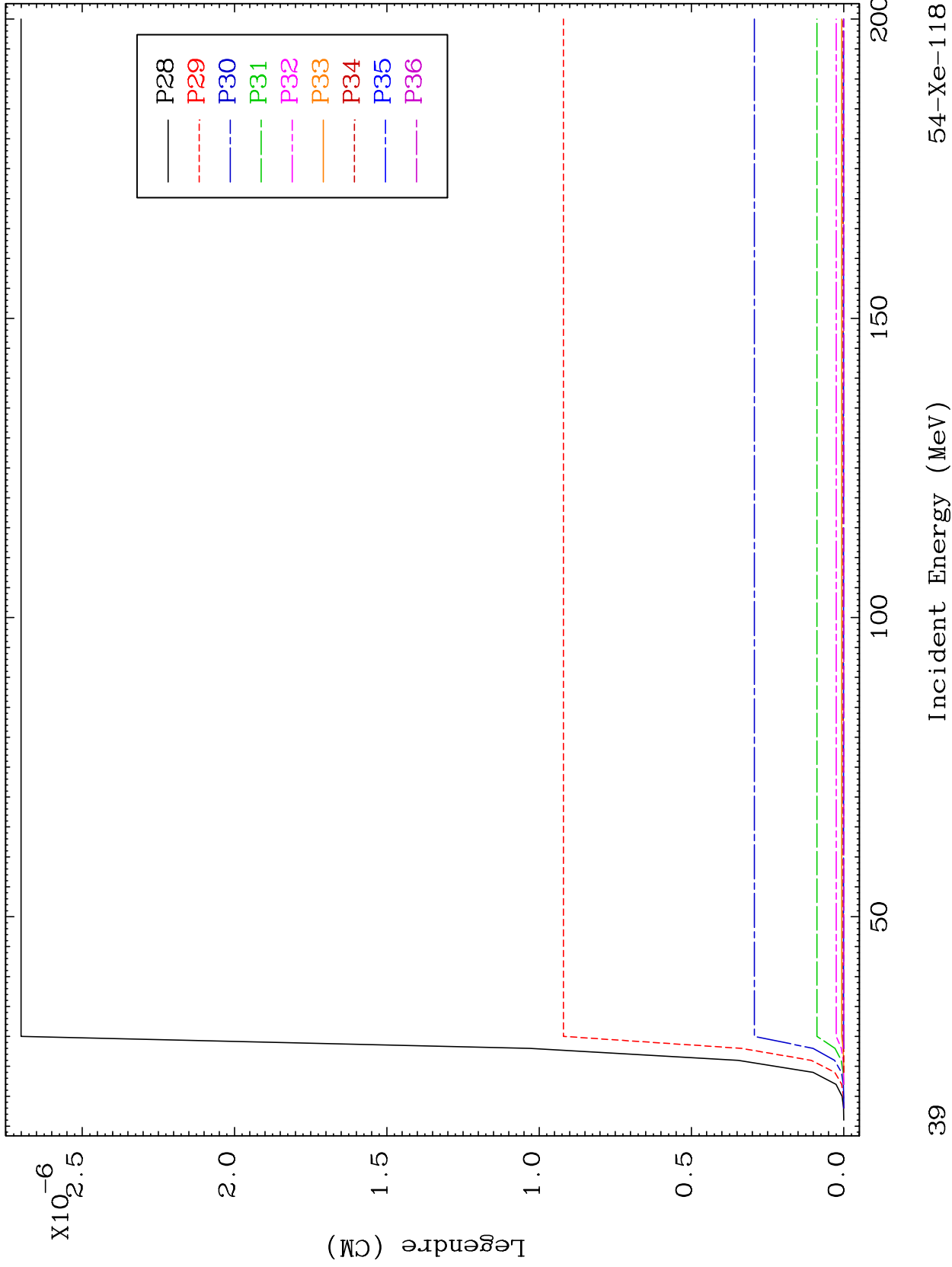
Incident Energy (MeV)

54-Xe-118

MAT 5407

1.228 MeV (n,n') Level
Legendre Coefficients

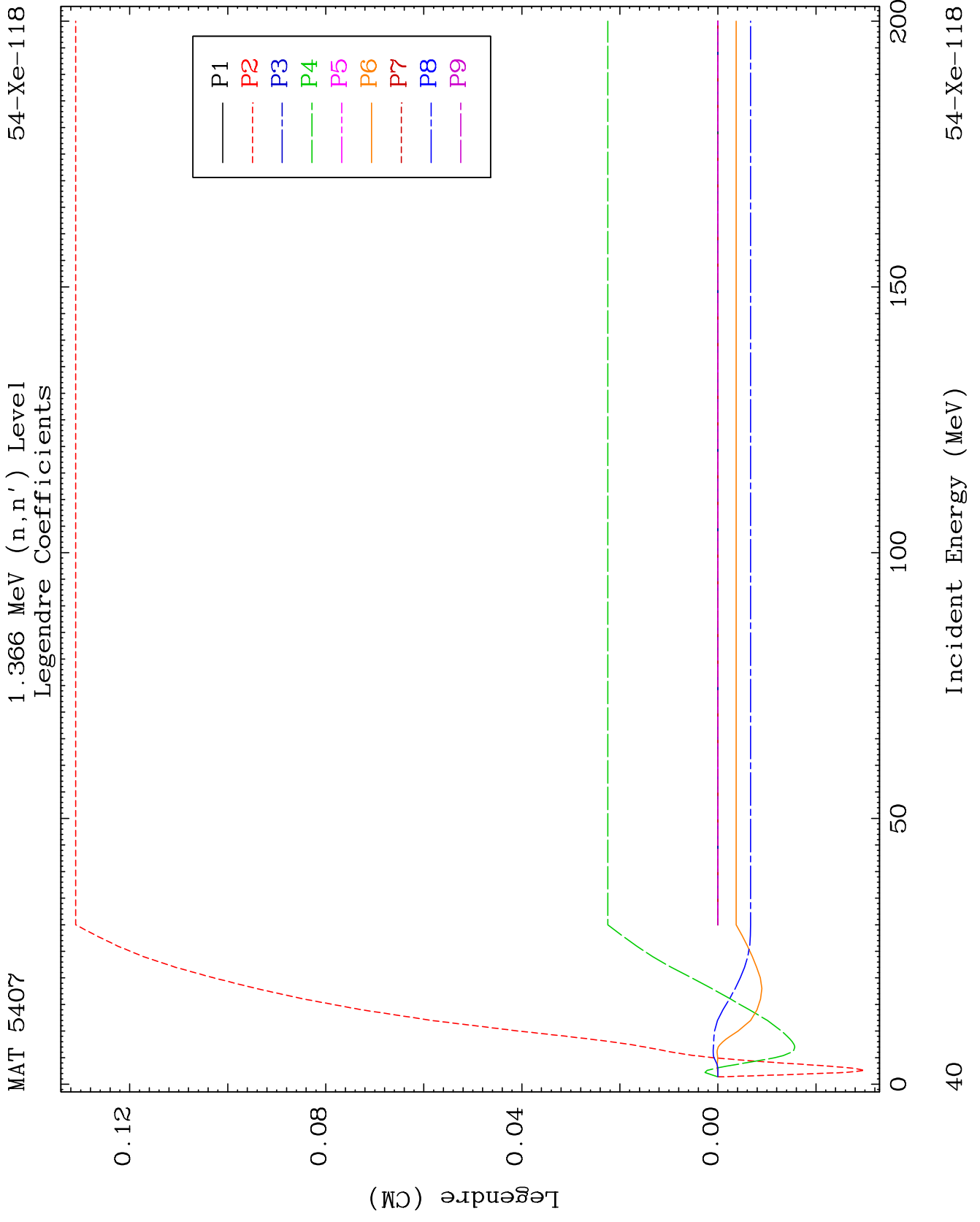
54-Xe-118



39

Incident Energy (MeV)

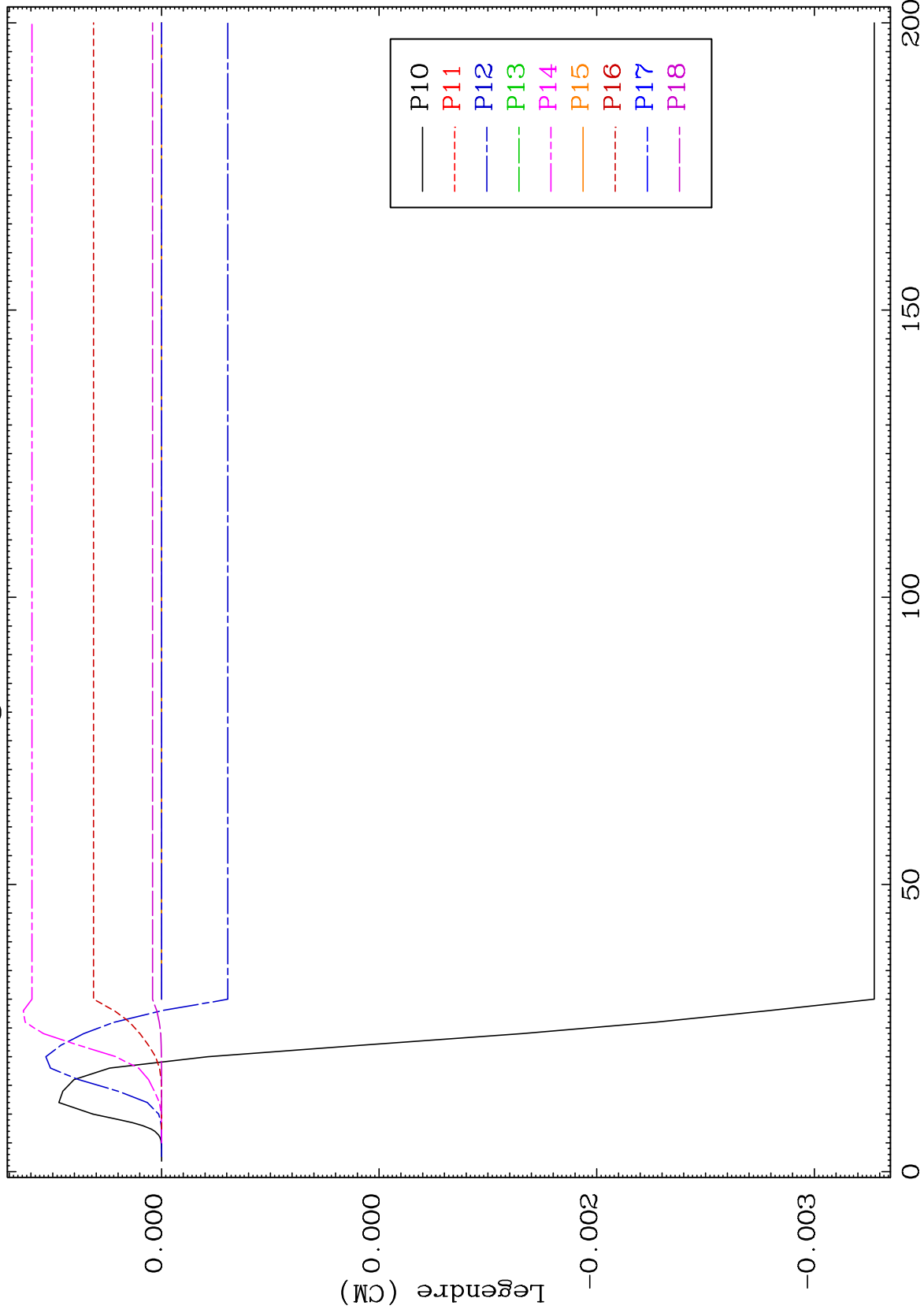
54-Xe-118



MAT 5407

1.366 MeV (n,n') Level
Legendre Coefficients

54-Xe-118



41

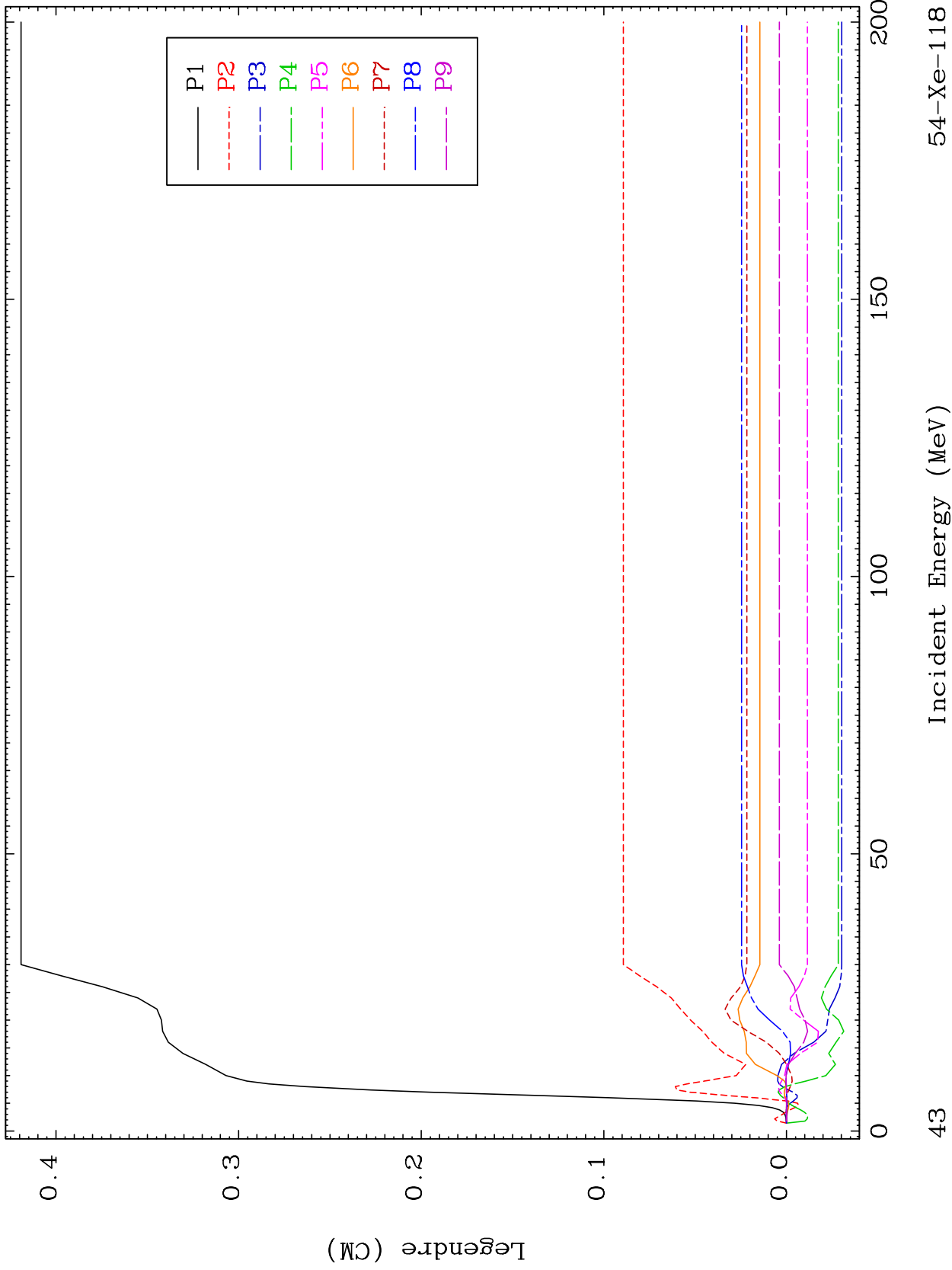
Incident Energy (MeV)

54-Xe-118

MAT 5407

1.397 MeV (n,n') Level
Legendre Coefficients

54-Xe-118



54-Xe-118

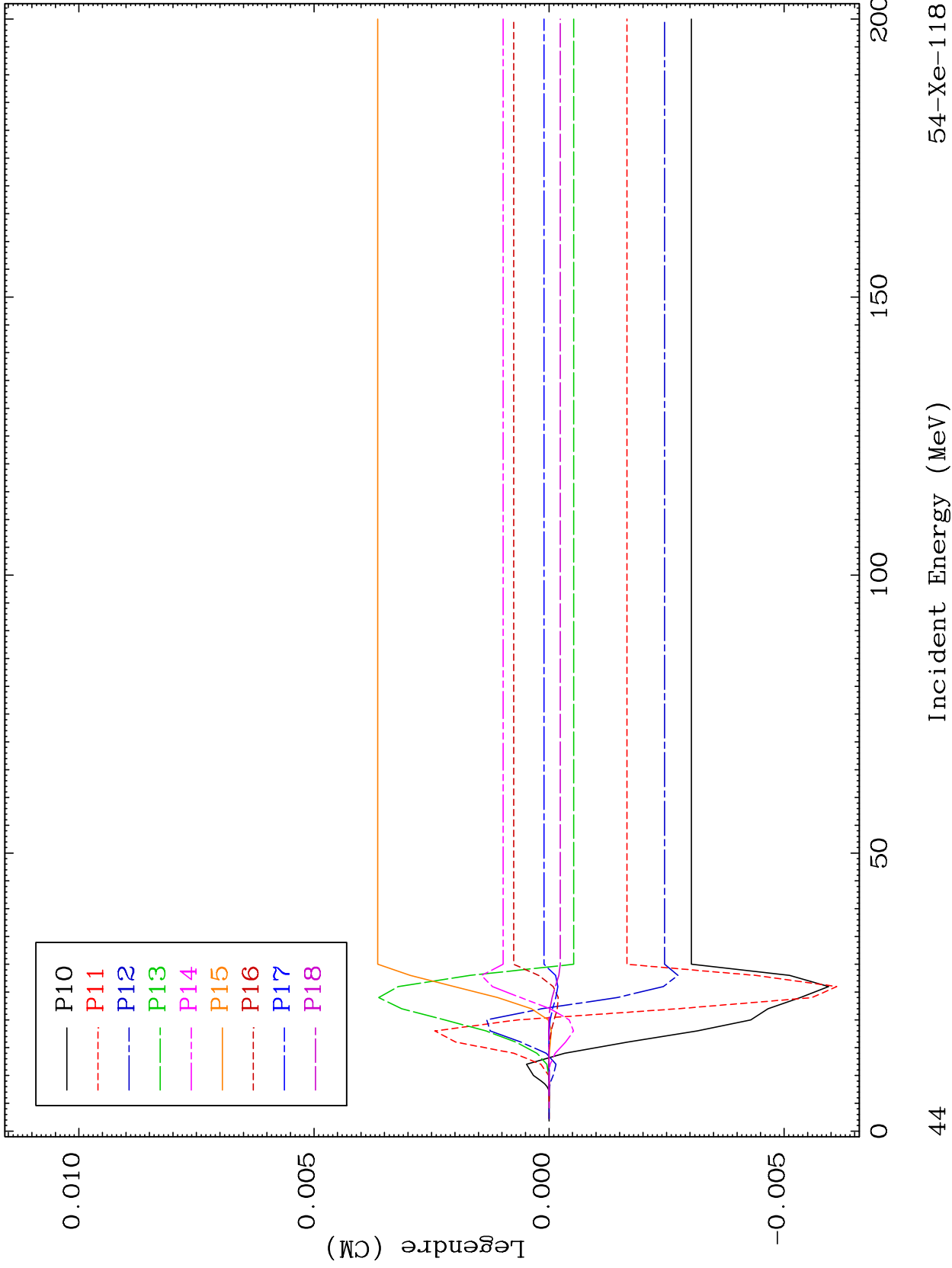
Incident Energy (MeV)

43

MAT 5407

1.397 MeV (n,n') Level
Legendre Coefficients

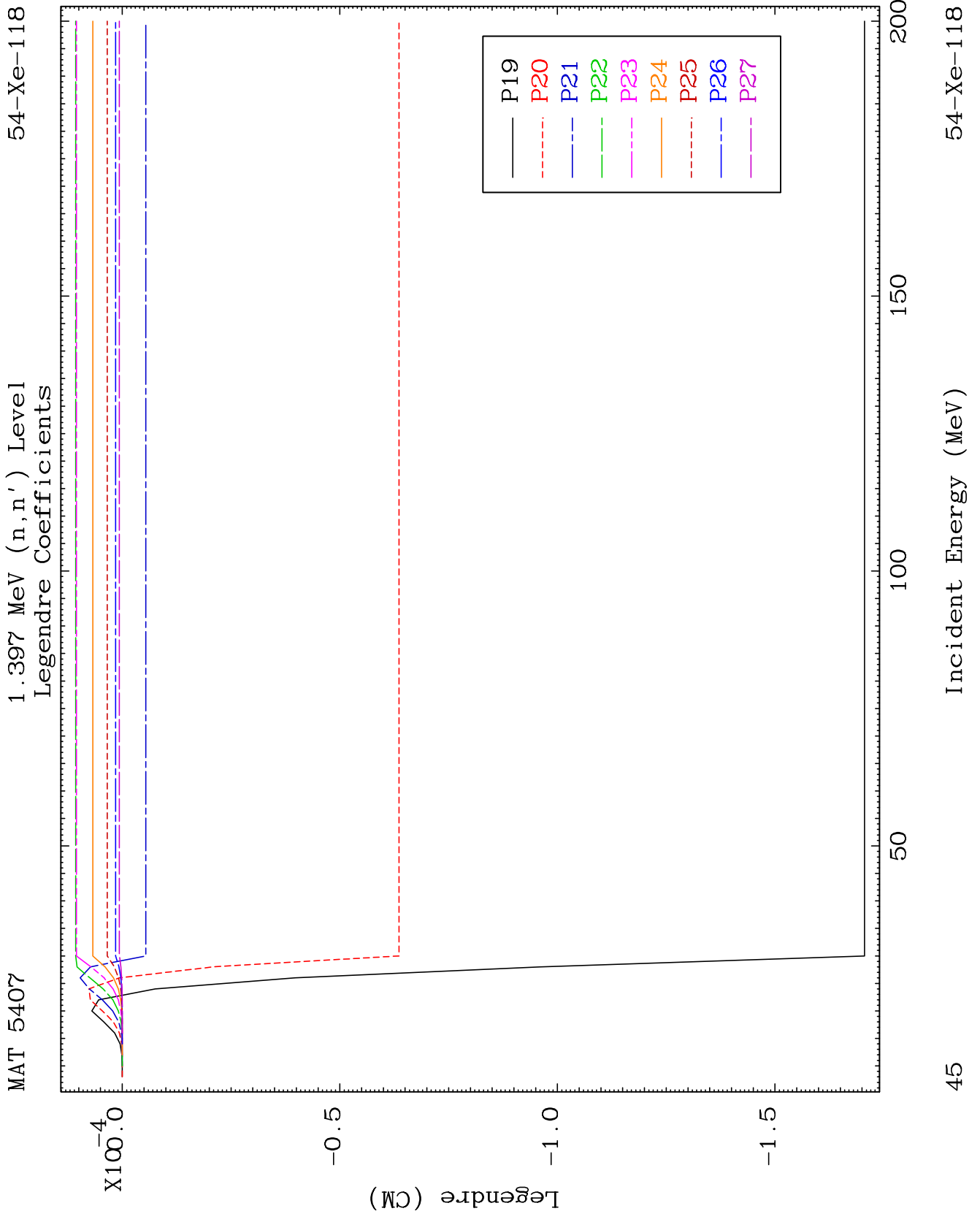
54-Xe-118



44

Incident Energy (MeV)

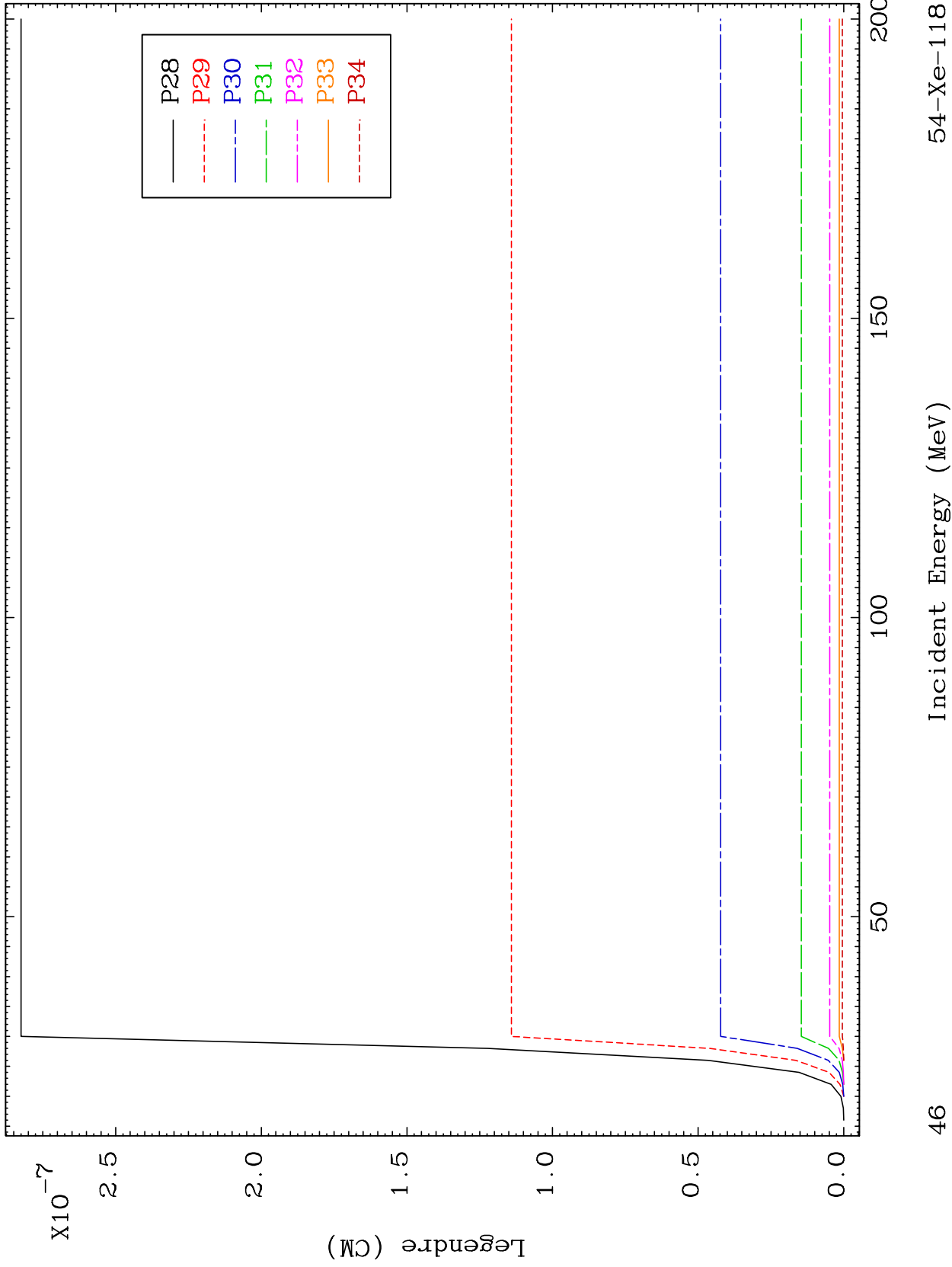
54-Xe-118



MAT 5407

1.397 MeV (n,n') Level
Legendre Coefficients

54-Xe-118



46

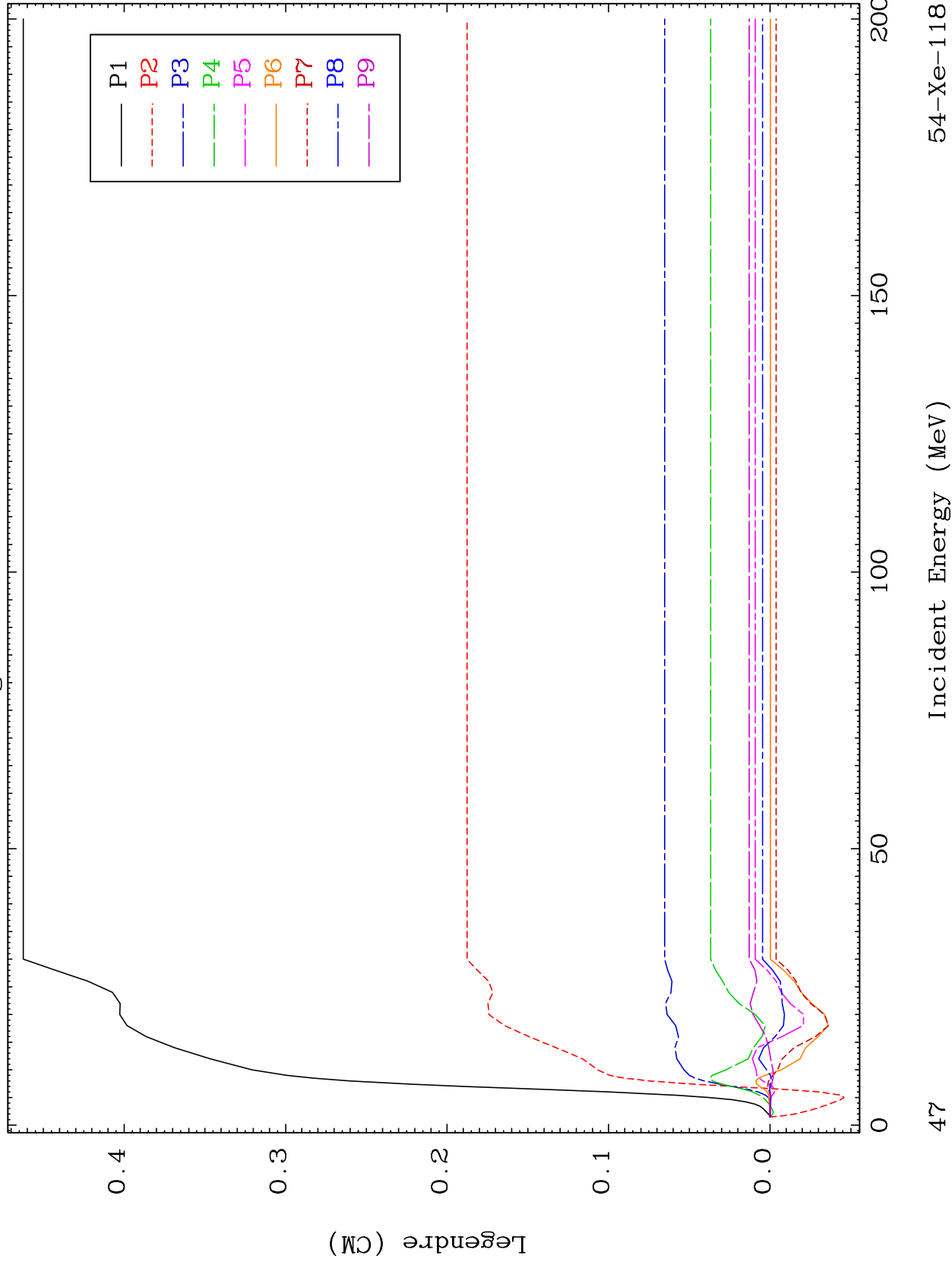
Incident Energy (MeV)

54-Xe-118

MAT 5407

1.441 MeV (n,n') Level
Legendre Coefficients

54-Xe-118



54-Xe-118

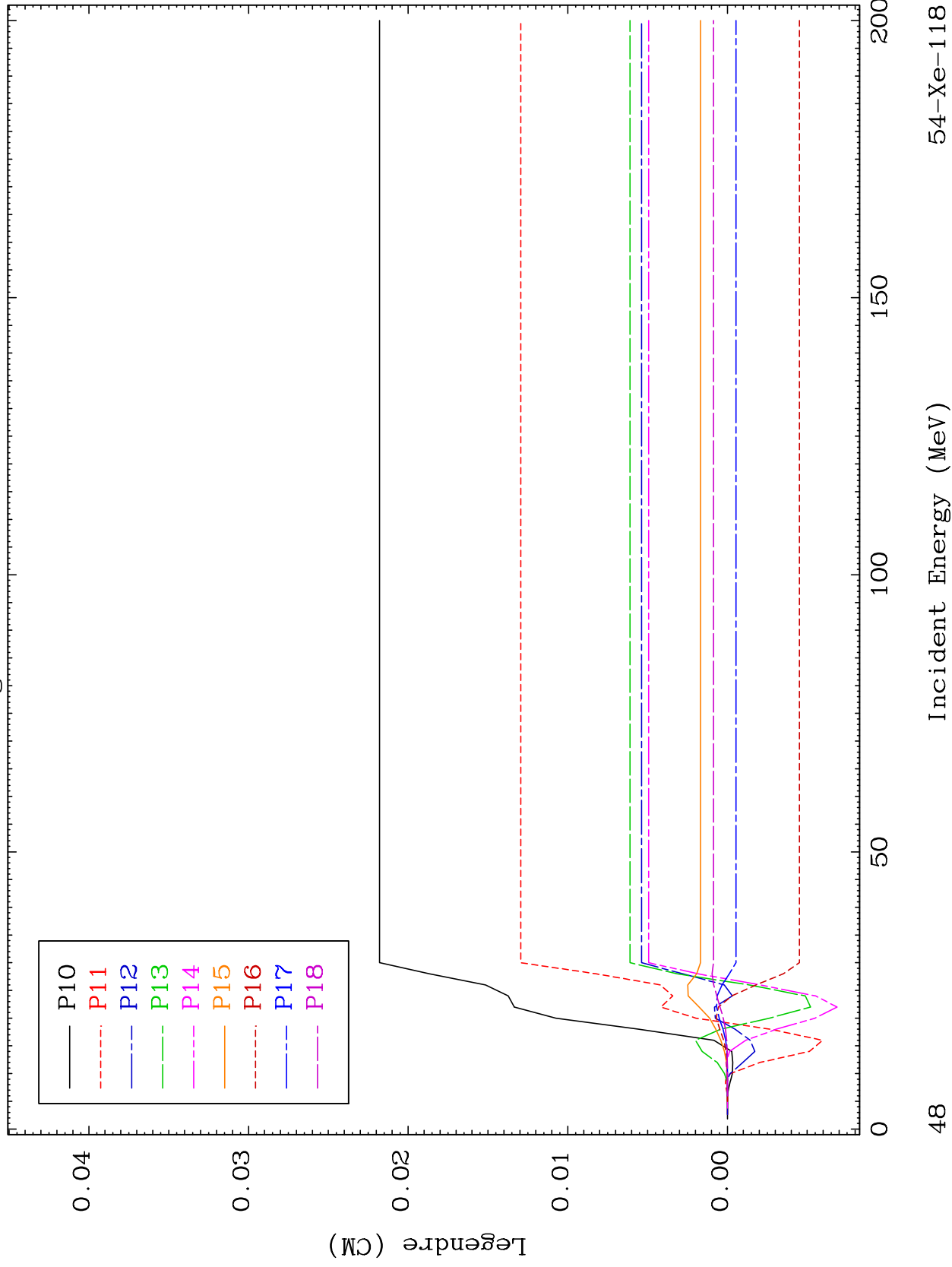
Incident Energy (MeV)

47

MAT 5407

1.441 MeV (n,n') Level
Legendre Coefficients

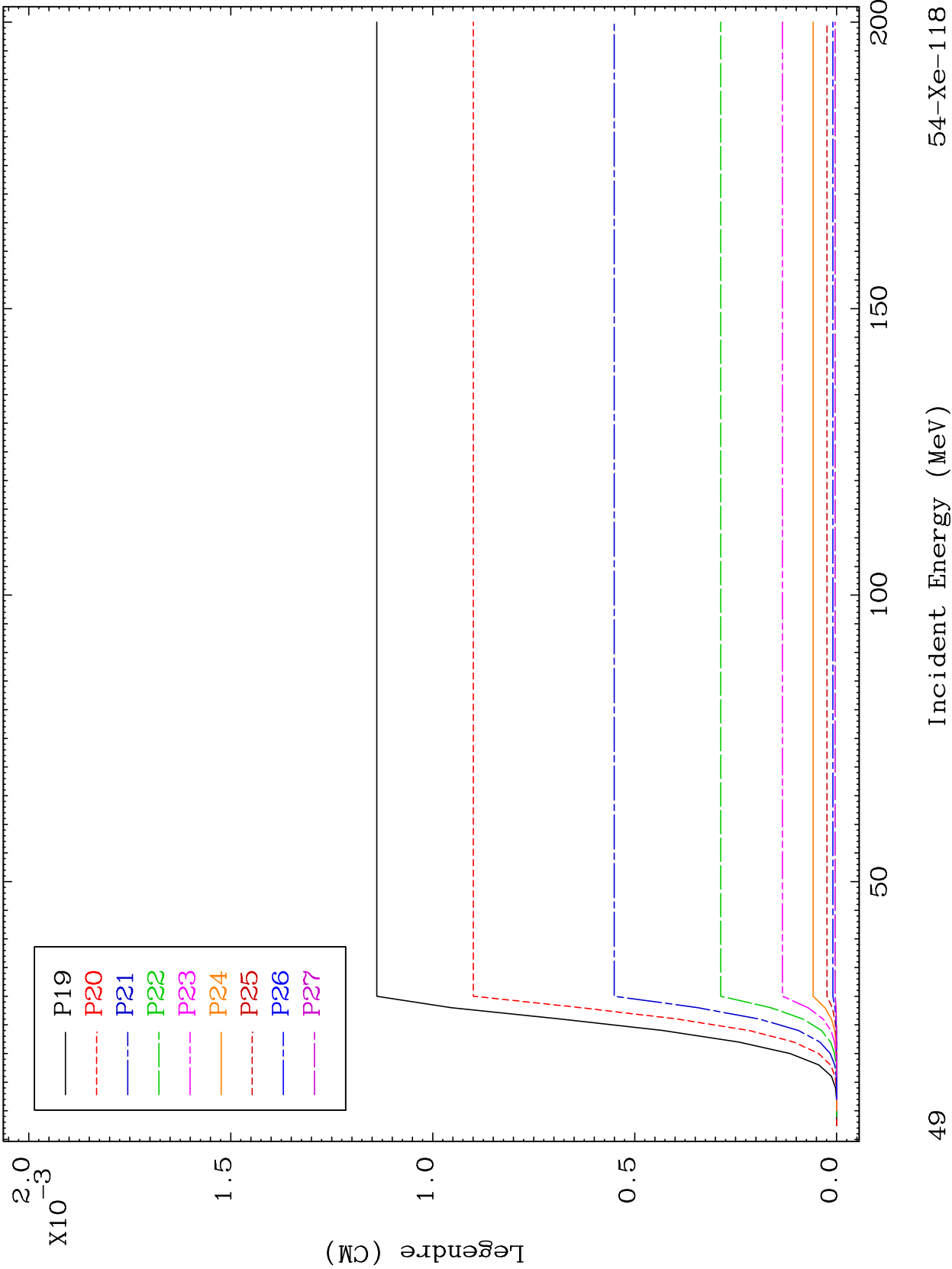
54-Xe-118



54-Xe-118

Incident Energy (MeV)

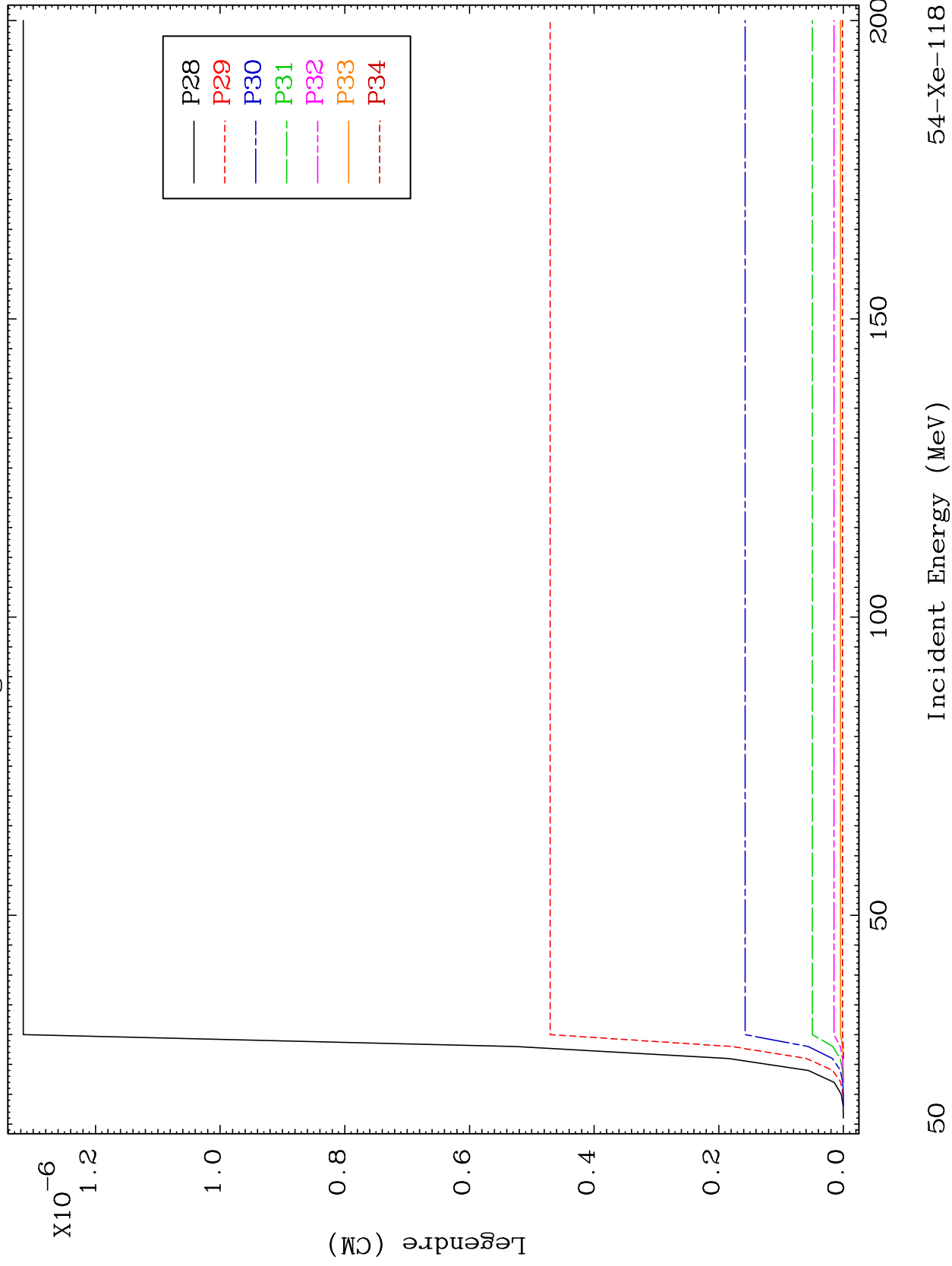
48



MAT 5407

1.441 MeV (n,n') Level
Legendre Coefficients

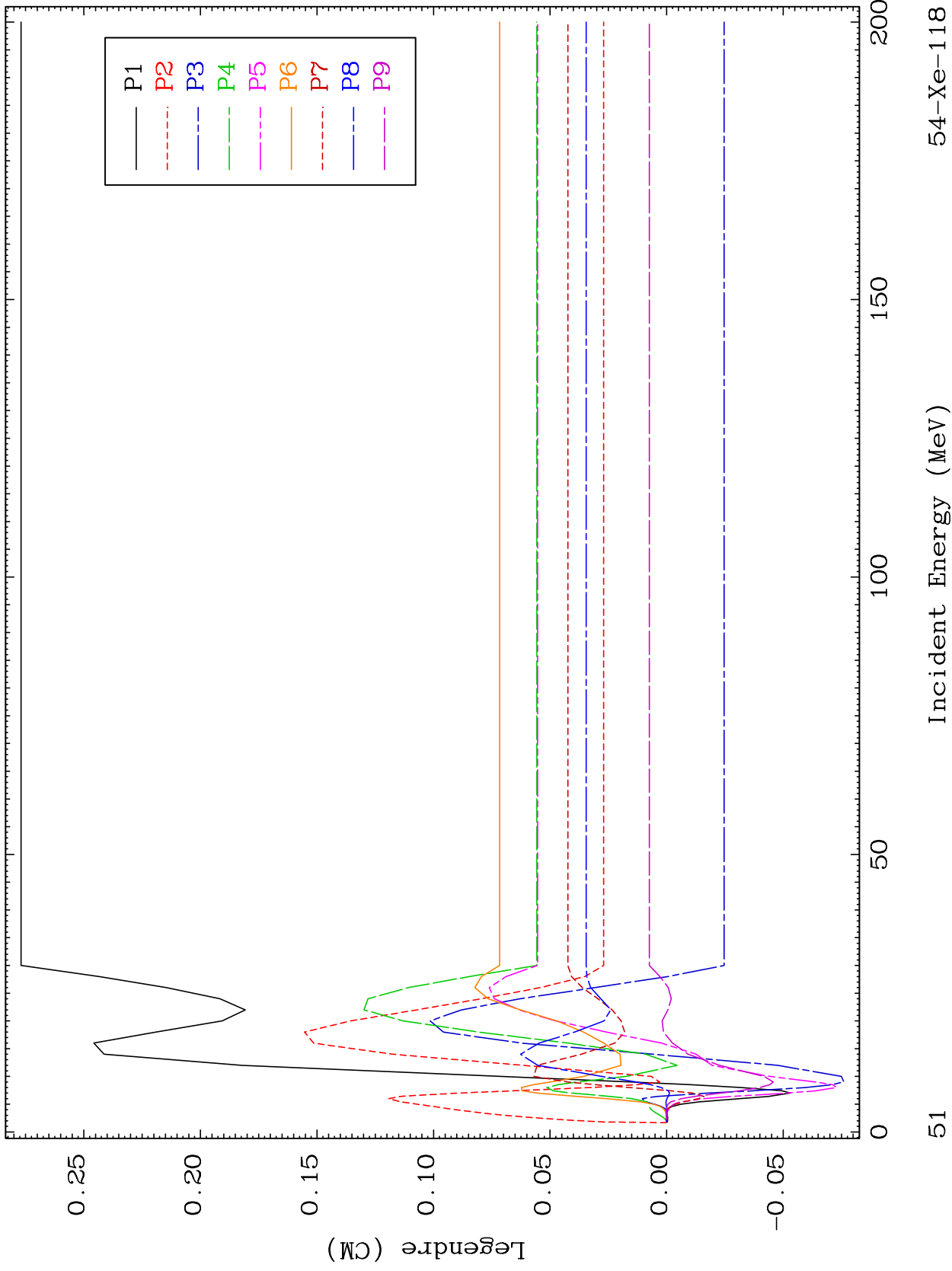
54-Xe-118



MAT 5407

1.640 MeV (n,n') Level
Legendre Coefficients

54-Xe-118



51

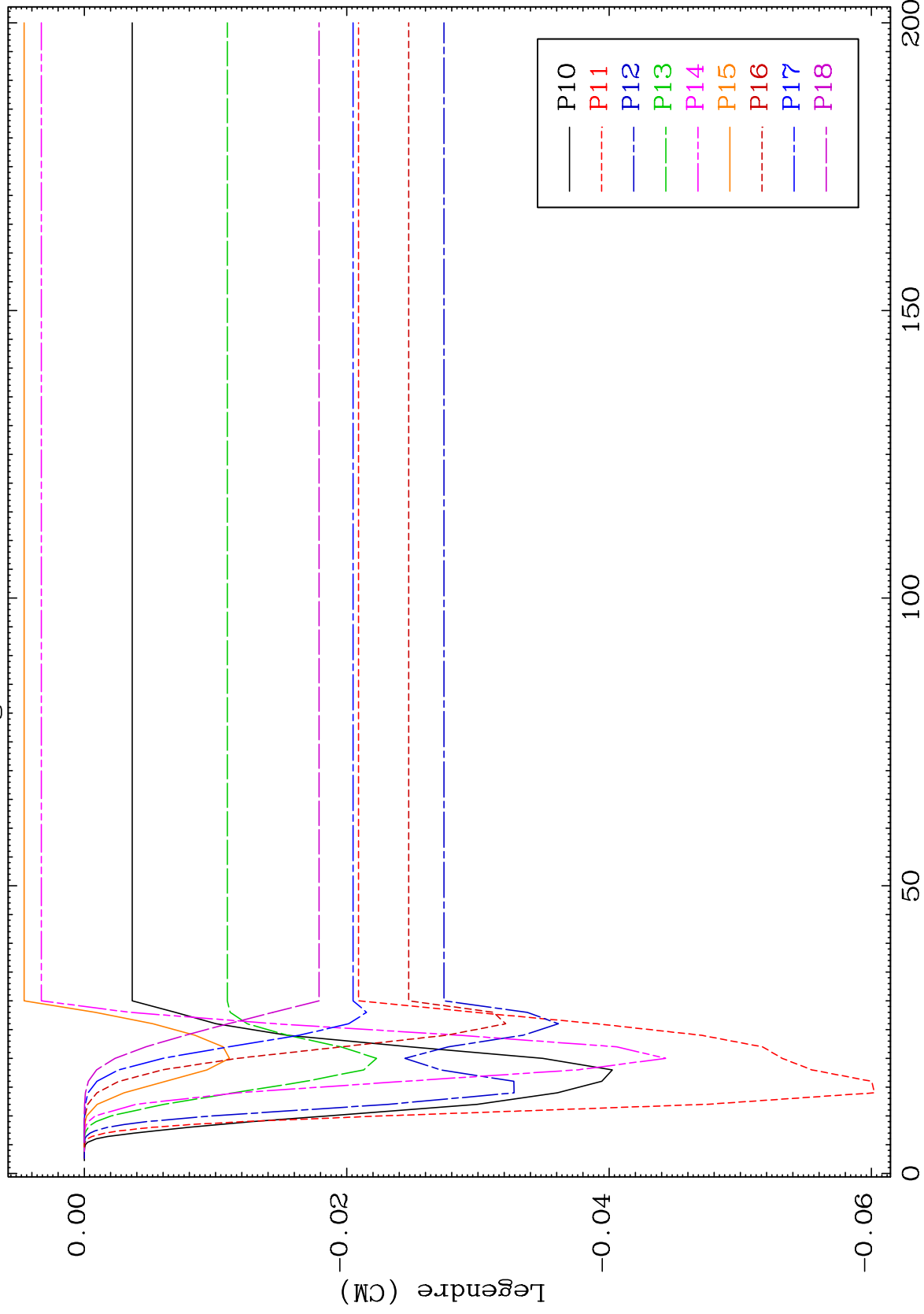
Incident Energy (MeV)

54-Xe-118

MAT 5407

1.640 MeV (n,n') Level
Legendre Coefficients

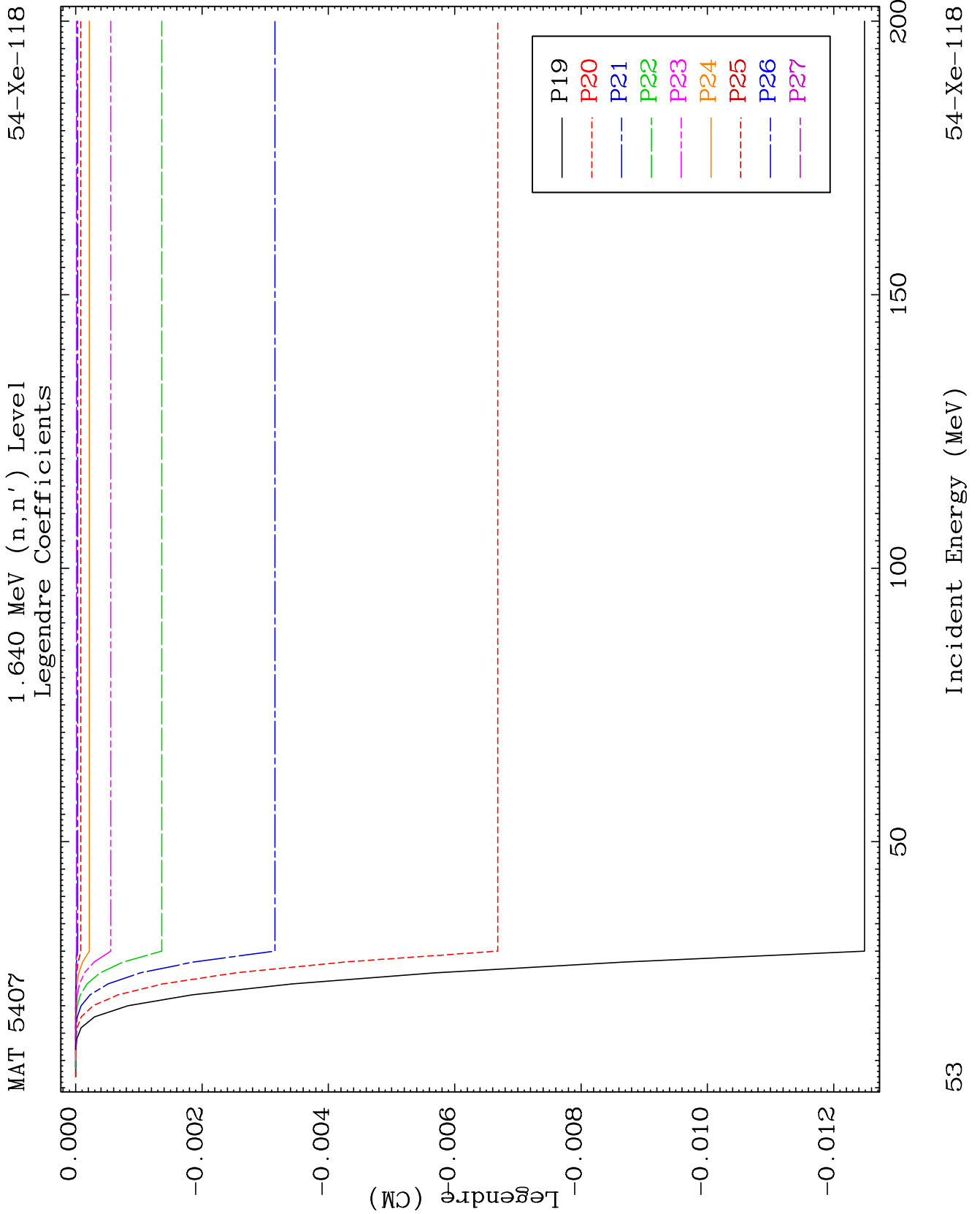
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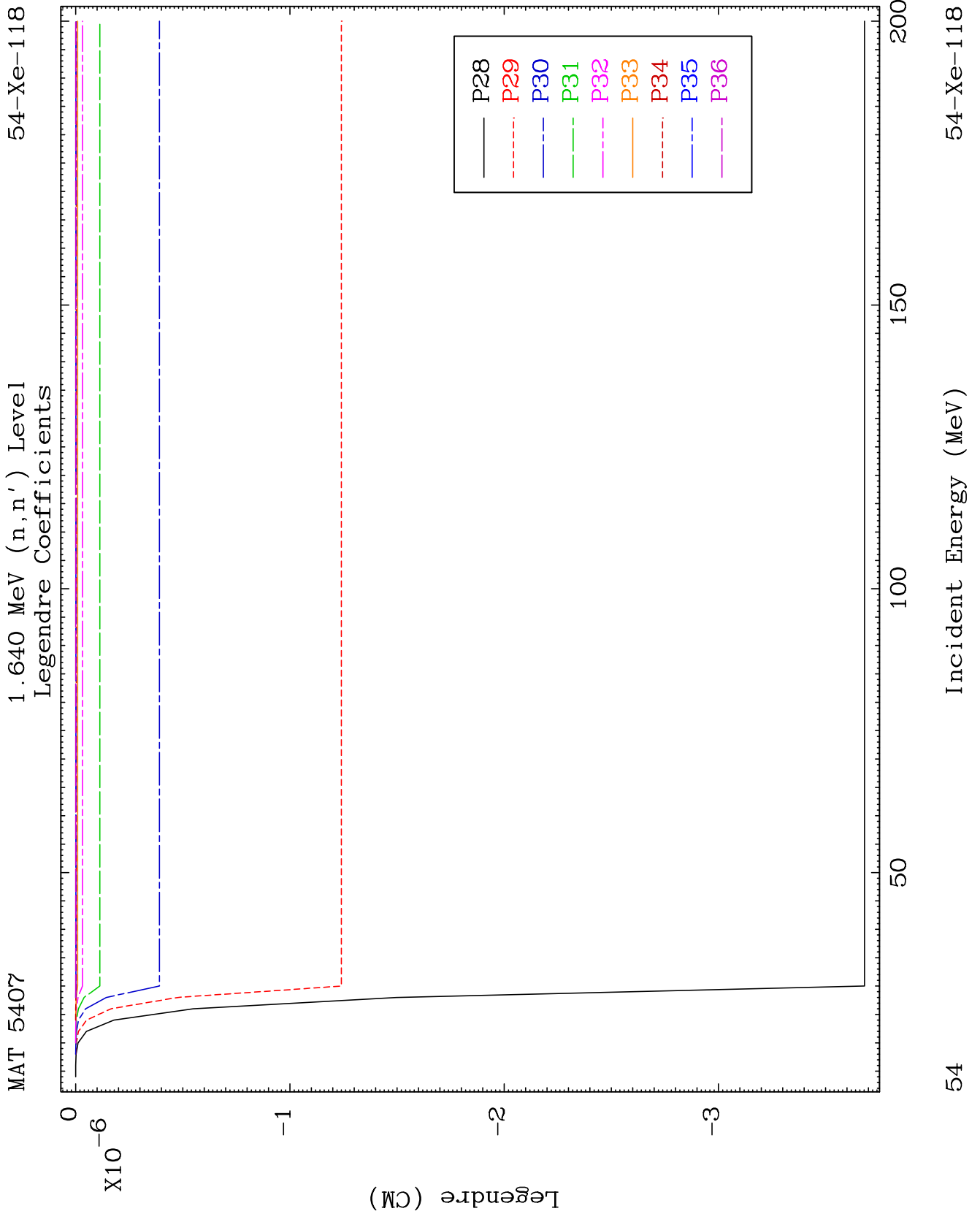


52

Incident Energy (MeV)

54-Xe-118

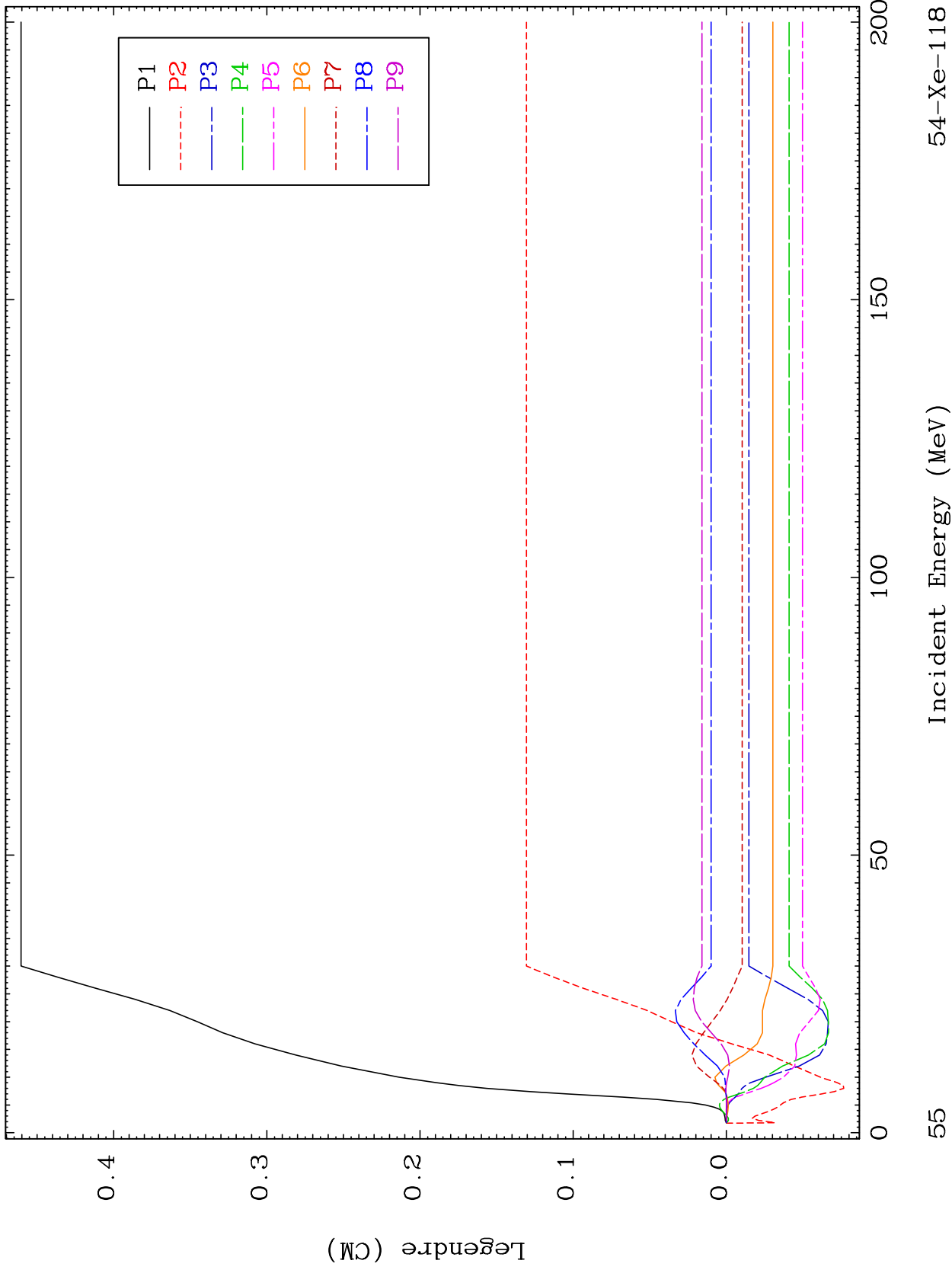




MAT 5407

1.702 MeV (n,n') Level
Legendre Coefficients

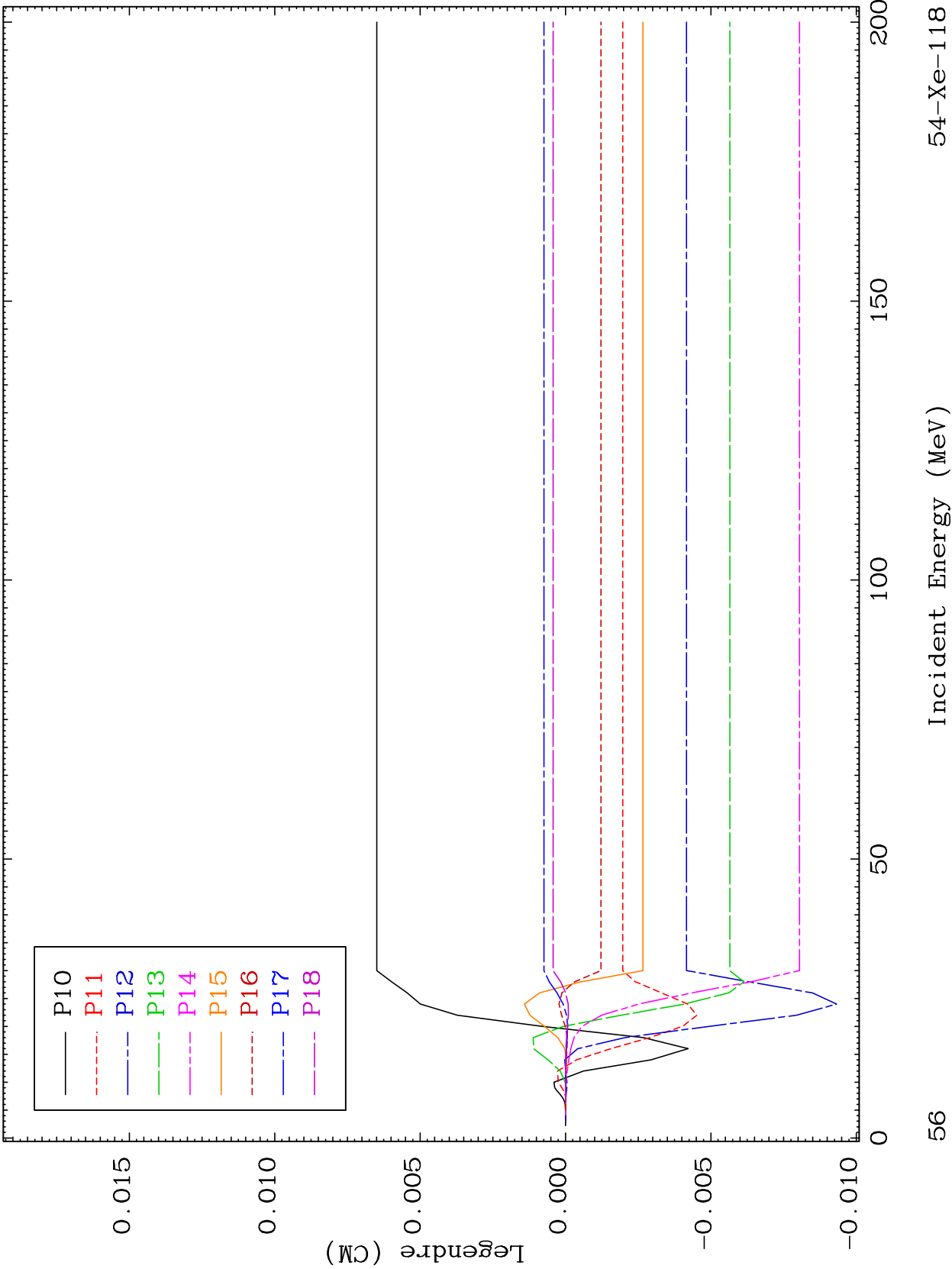
54-Xe-118

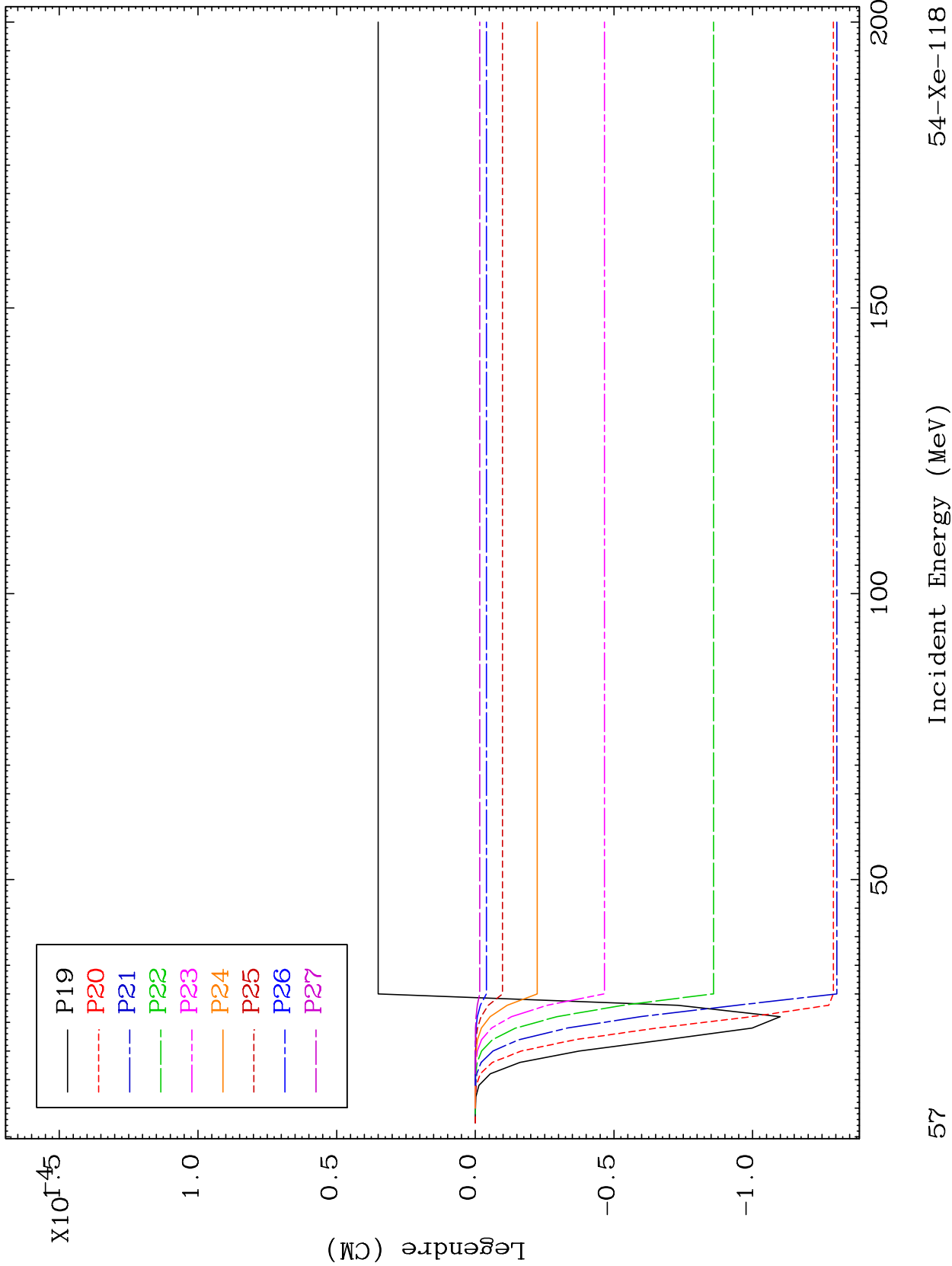


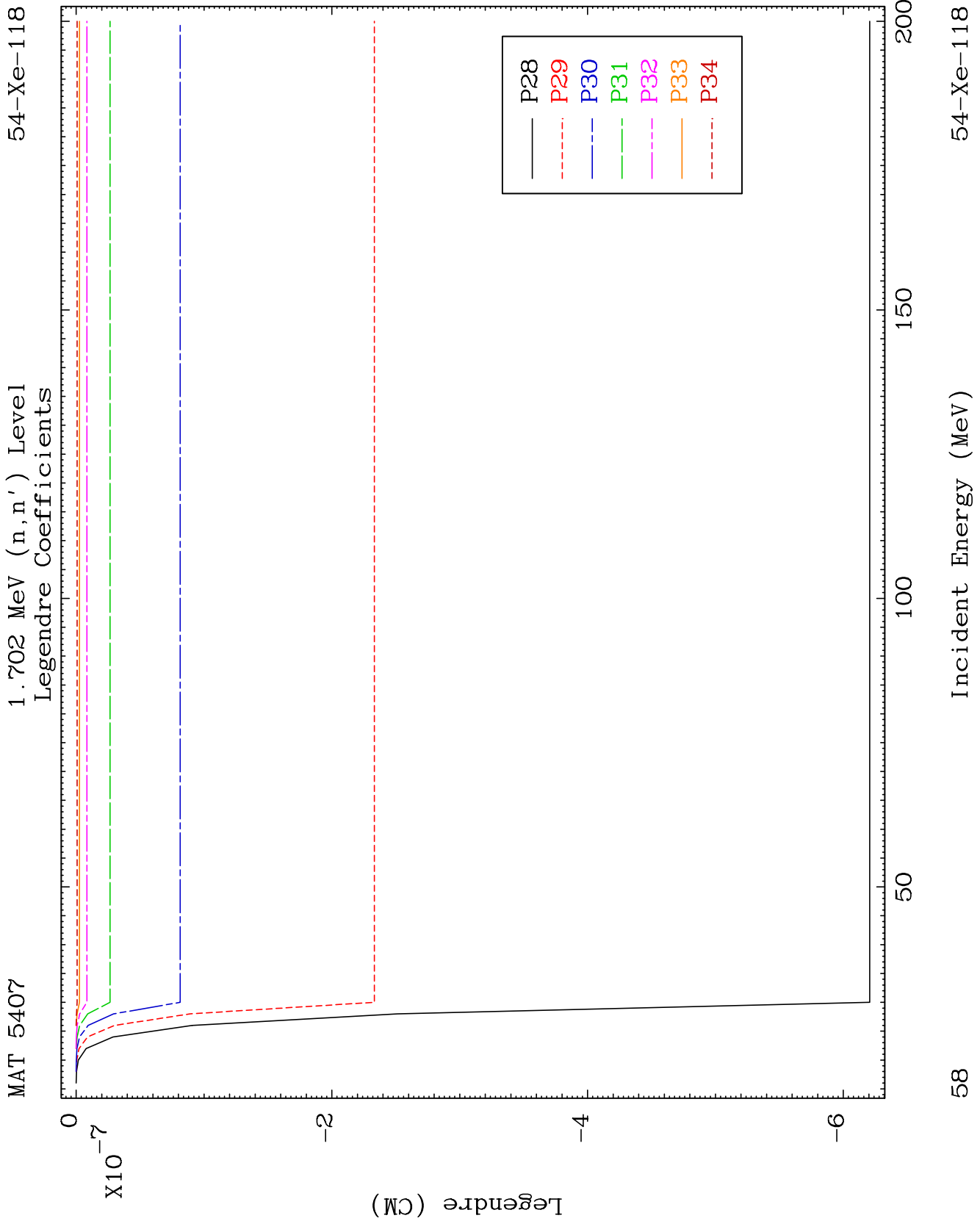
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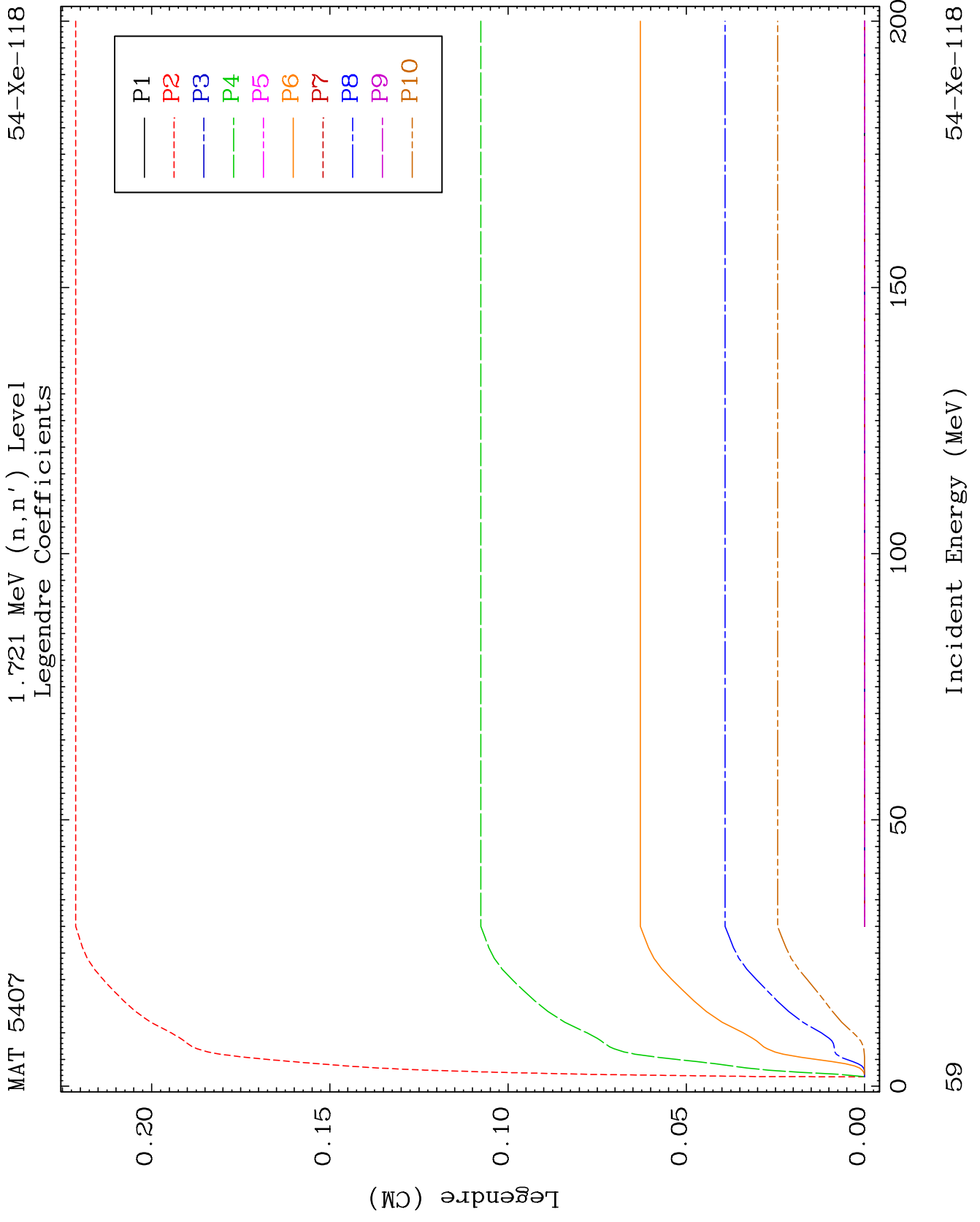
Incident Energy (MeV)

54-Xe-118





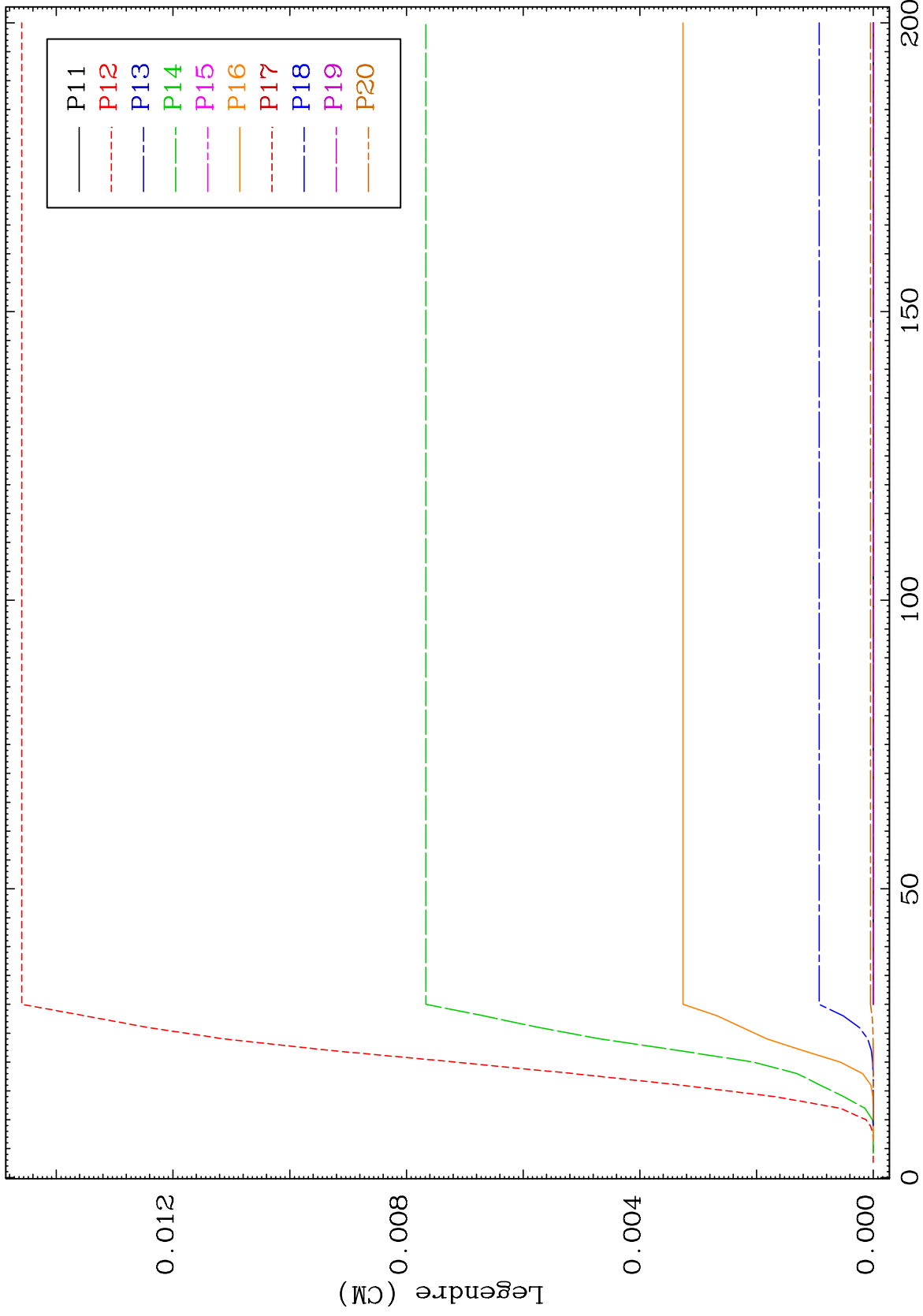




MAT 5407

1.721 MeV (n,n') Level
Legendre Coefficients

54-Xe-118



54-Xe-118

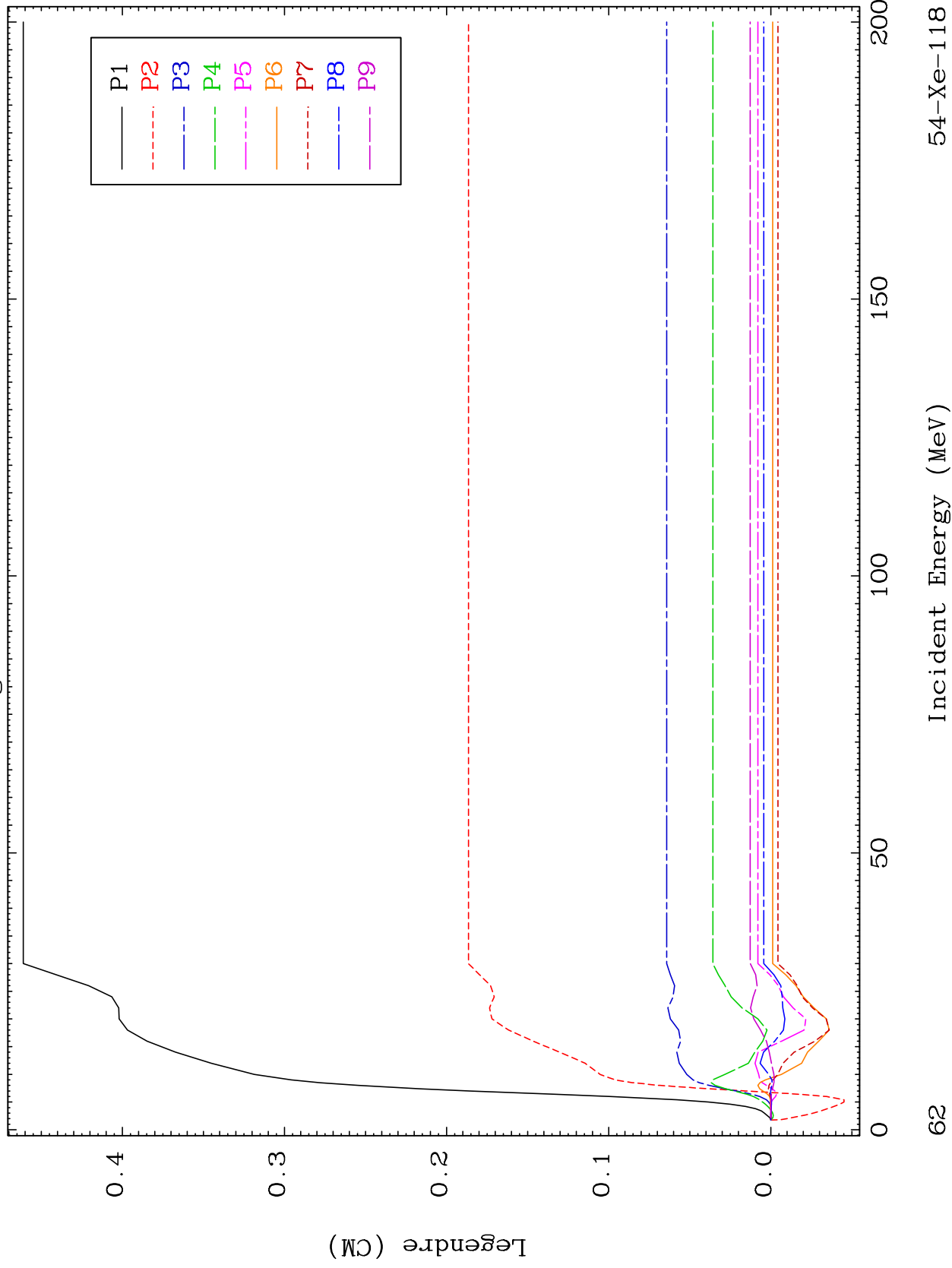
Incident Energy (MeV)

60

MAT 5407

1.730 MeV (n,n') Level
Legendre Coefficients

54-Xe-118



54-Xe-118

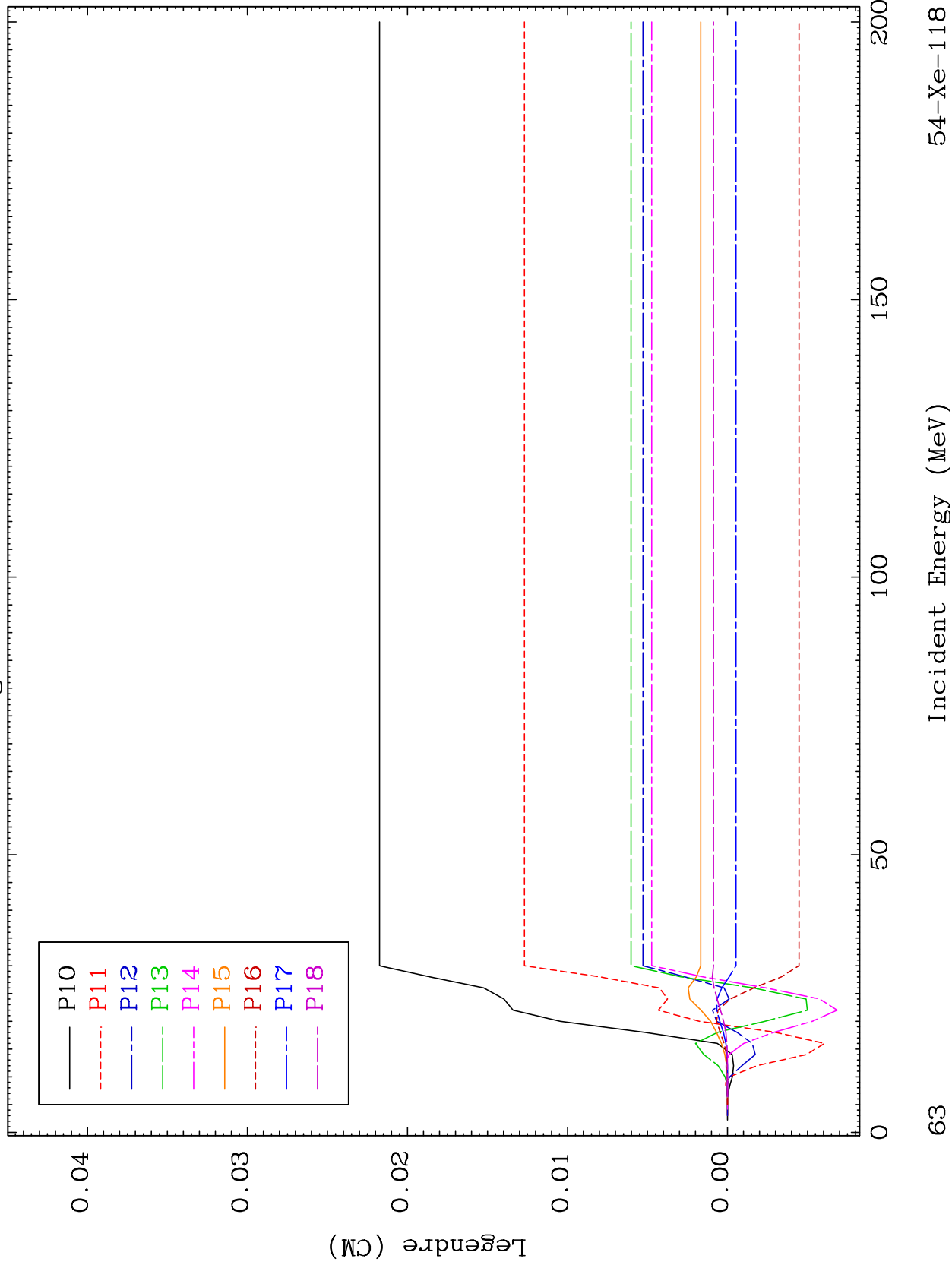
Incident Energy (MeV)

62

MAT 5407

1.730 MeV (n,n') Level
Legendre Coefficients

54-Xe-118



54-Xe-118

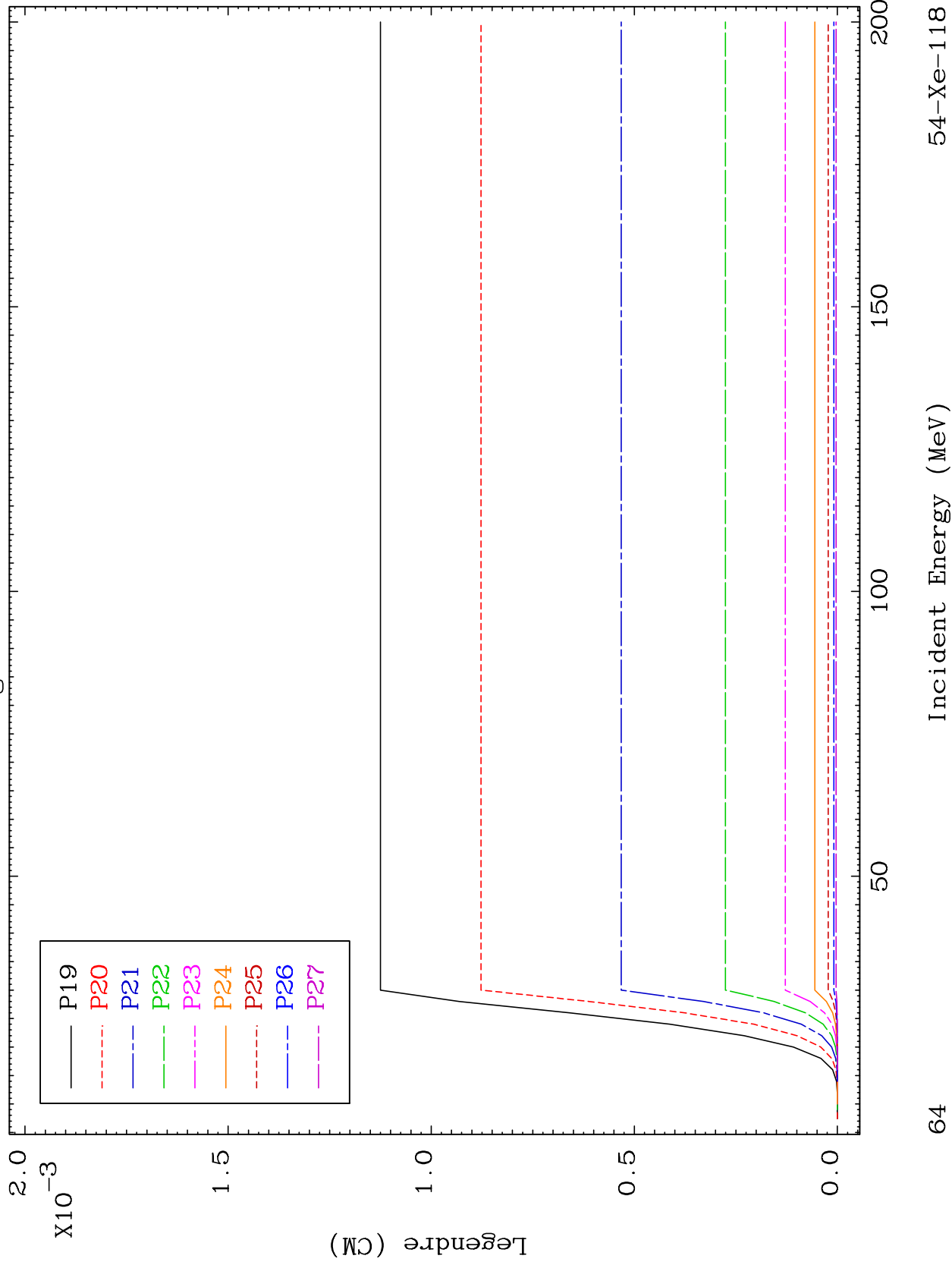
Incident Energy (MeV)

63

MAT 5407

1.730 MeV (n,n') Level
Legendre Coefficients

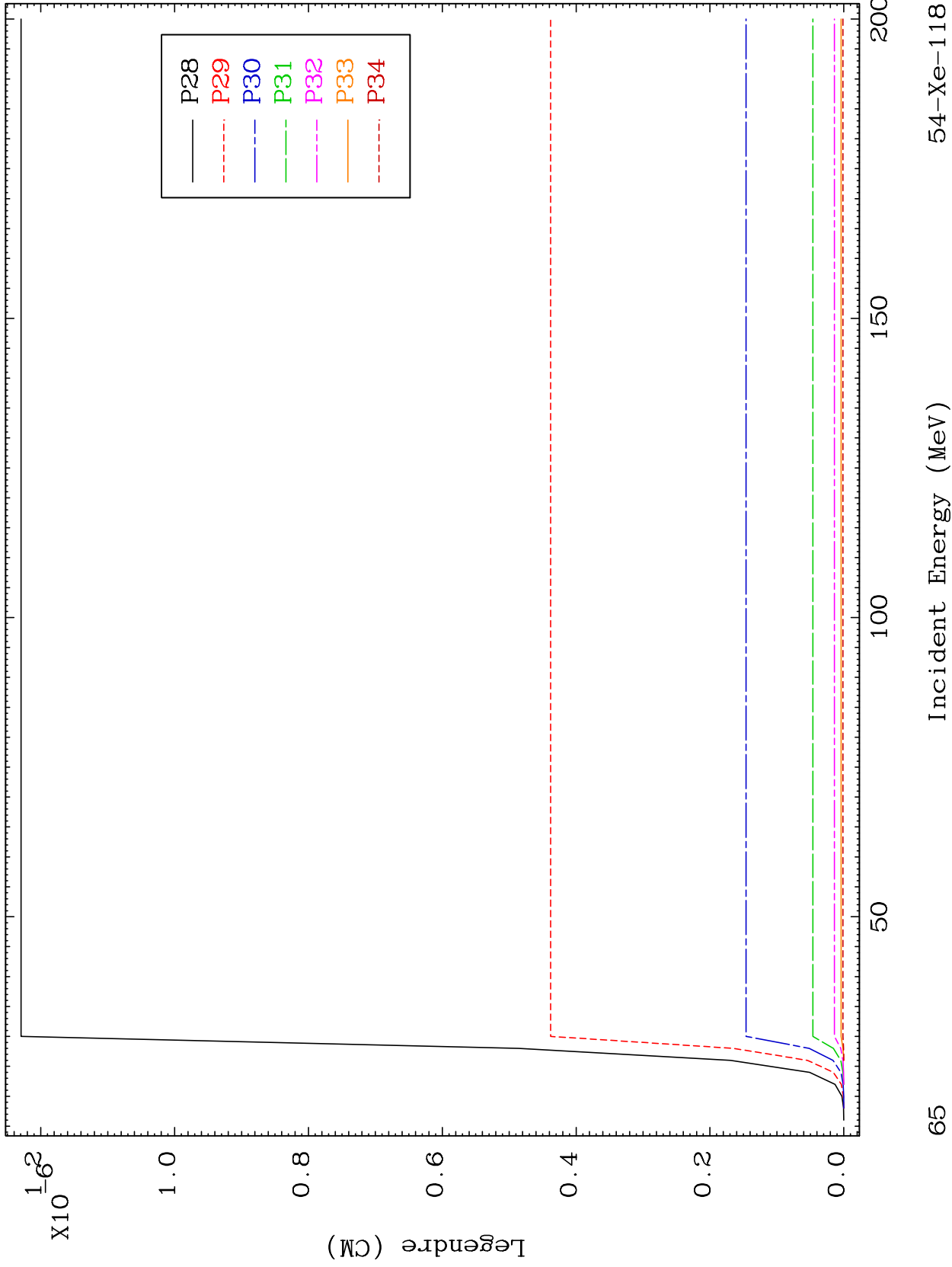
54-Xe-118



MAT 5407

1.730 MeV (n,n') Level
Legendre Coefficients

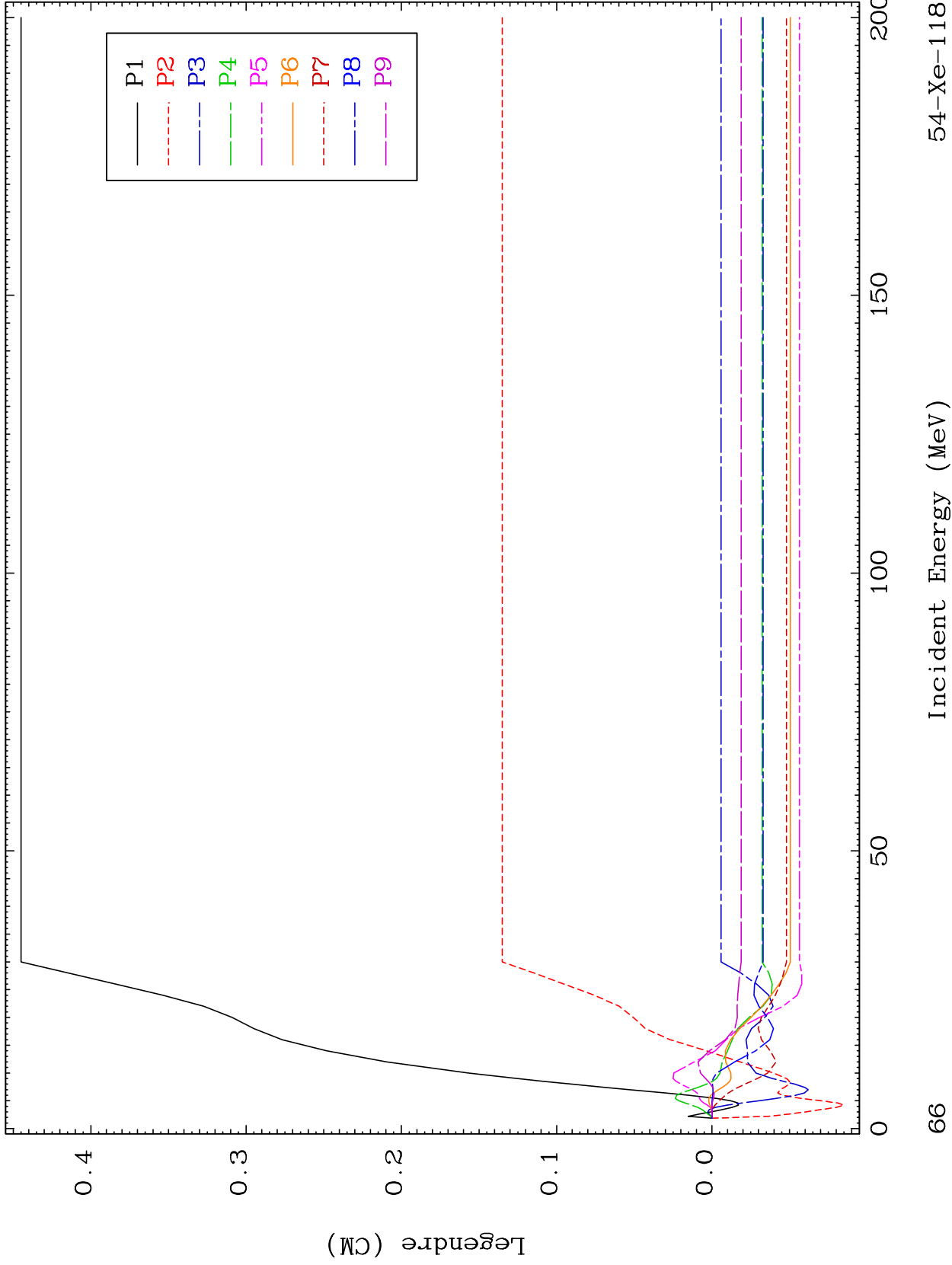
54-Xe-118



65

Incident Energy (MeV)

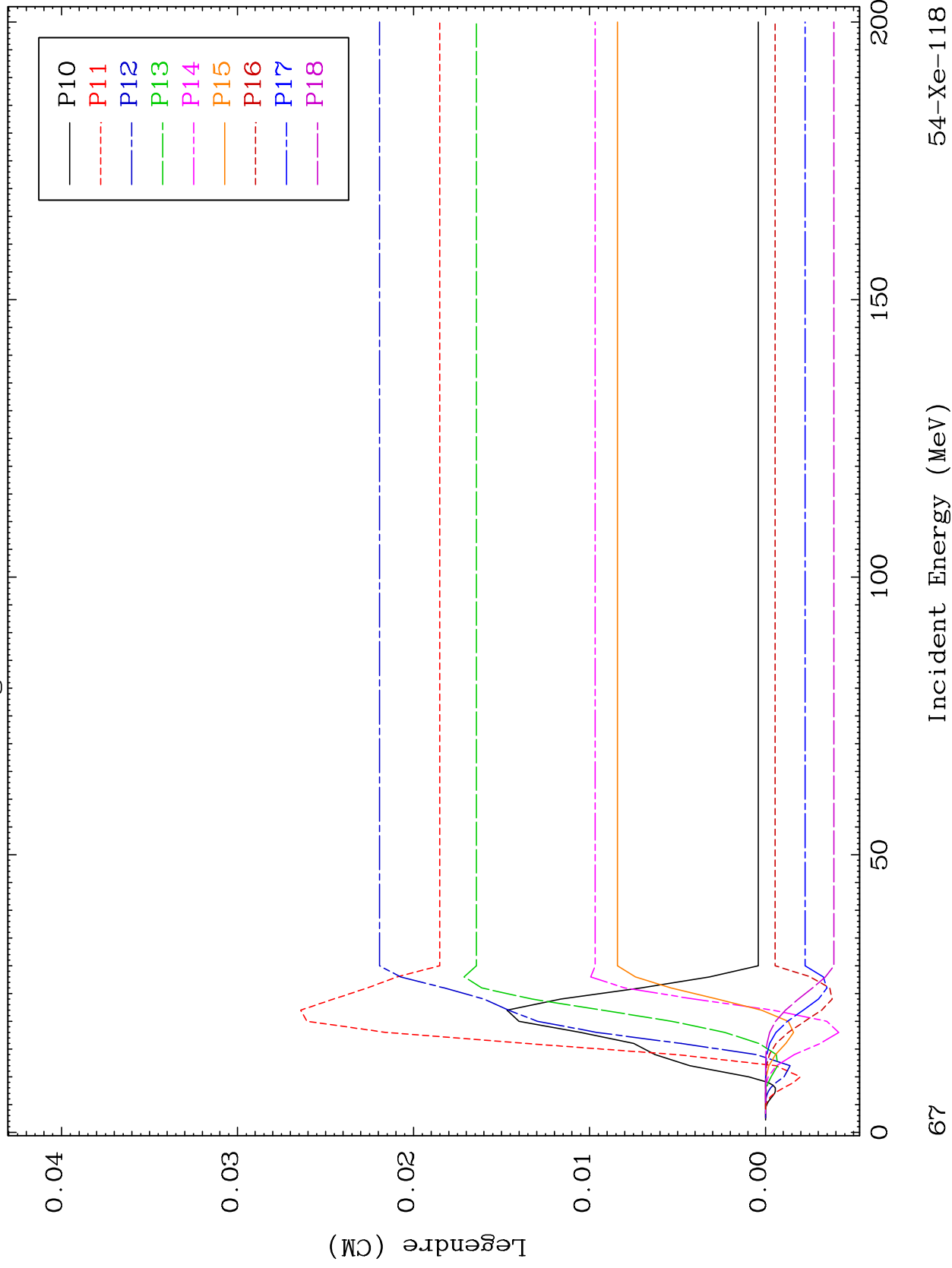
54-Xe-118



MAT 5407

1.838 MeV (n,n') Level
Legendre Coefficients

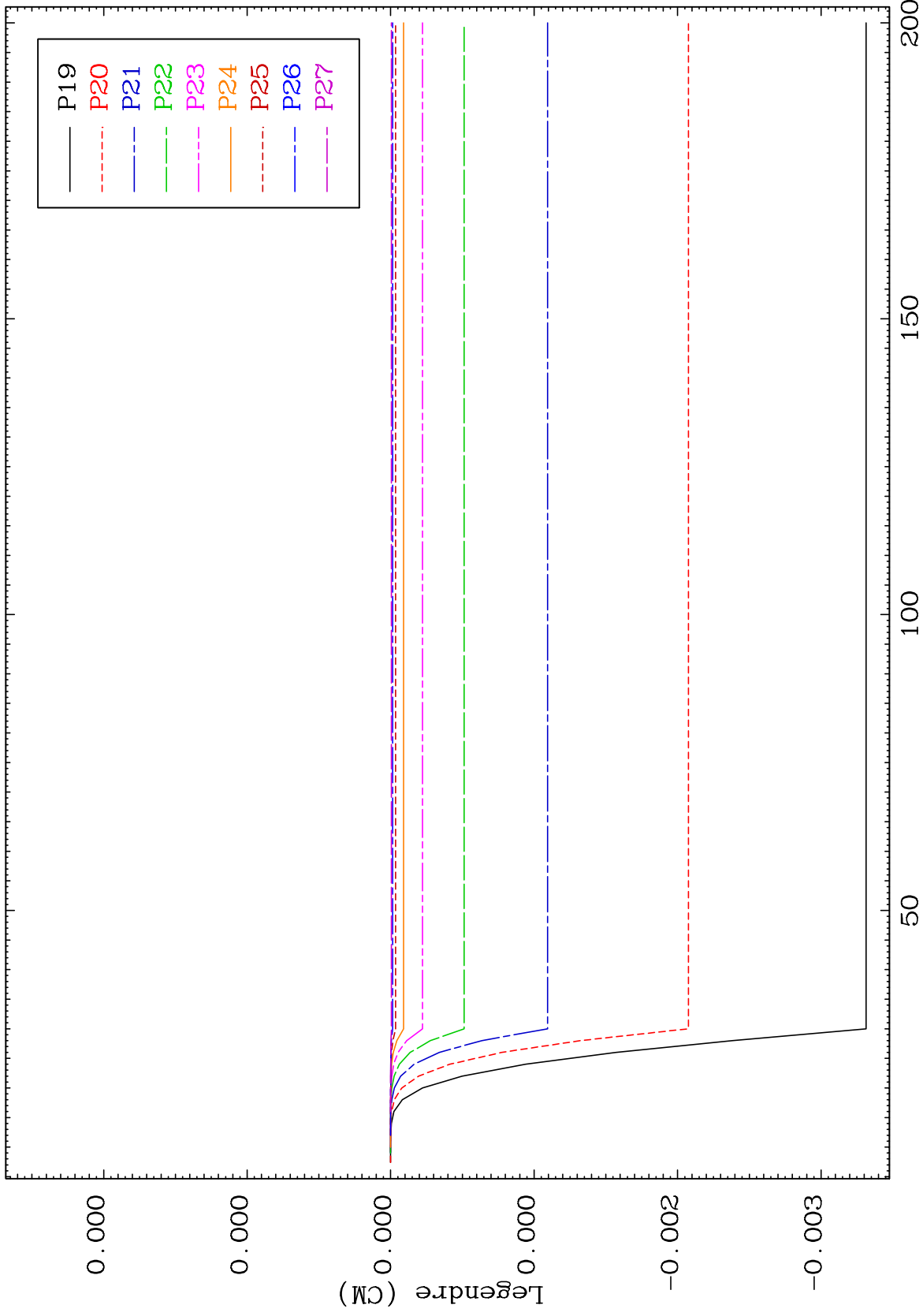
54-Xe-118

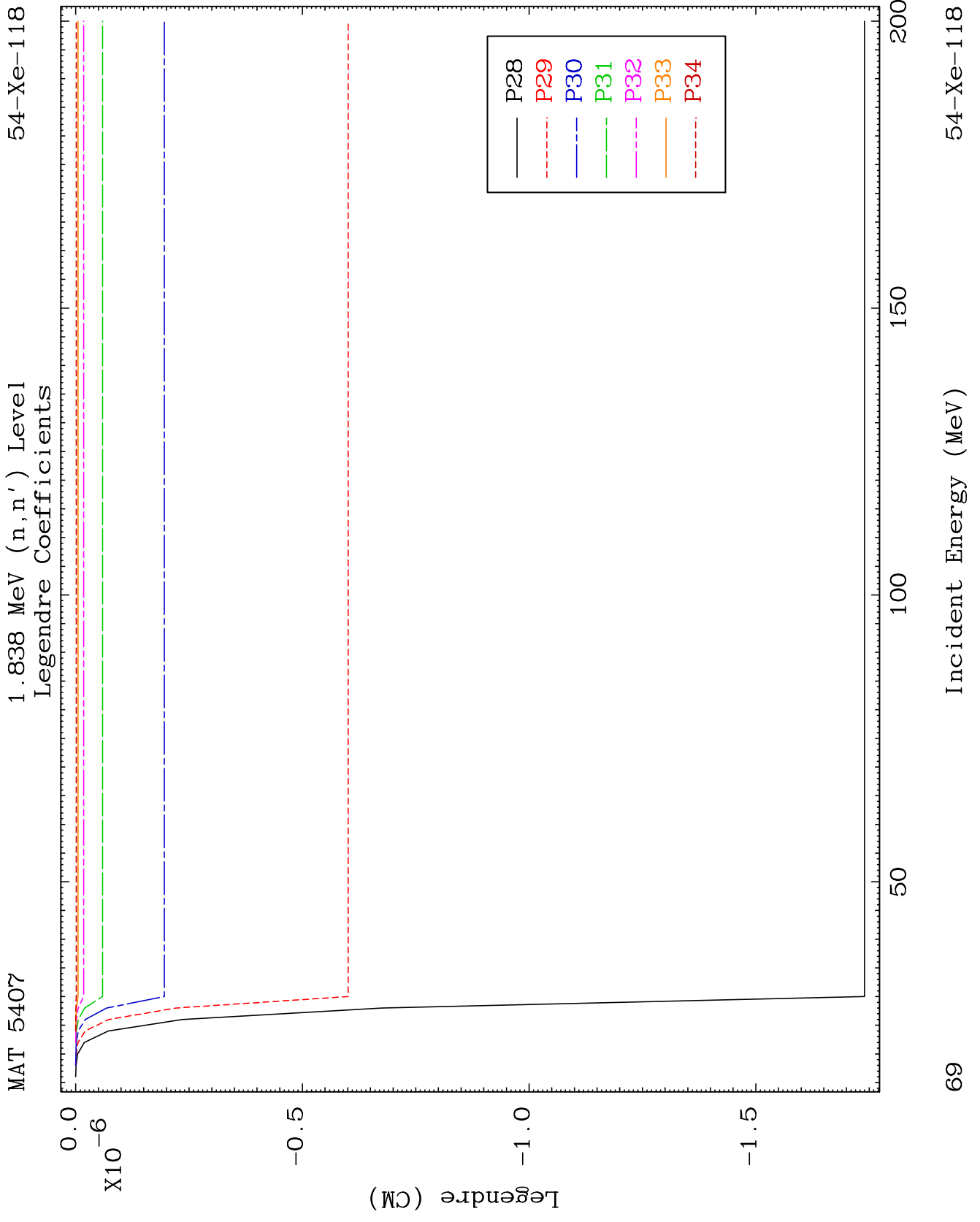


54-Xe-118

Incident Energy (MeV)

67

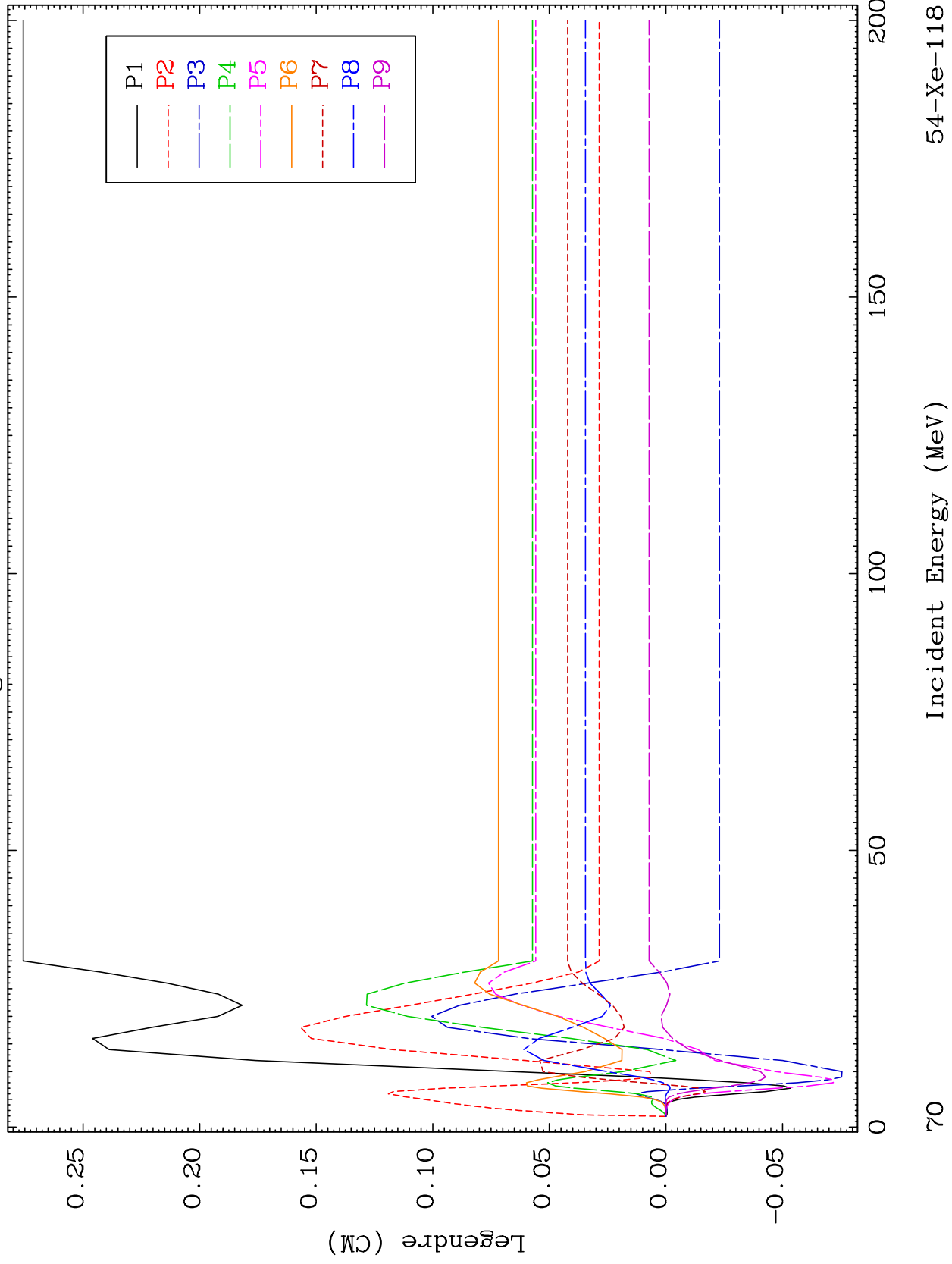




MAT 5407

1.896 MeV (n,n') Level
Legendre Coefficients

54-Xe-118



54-Xe-118

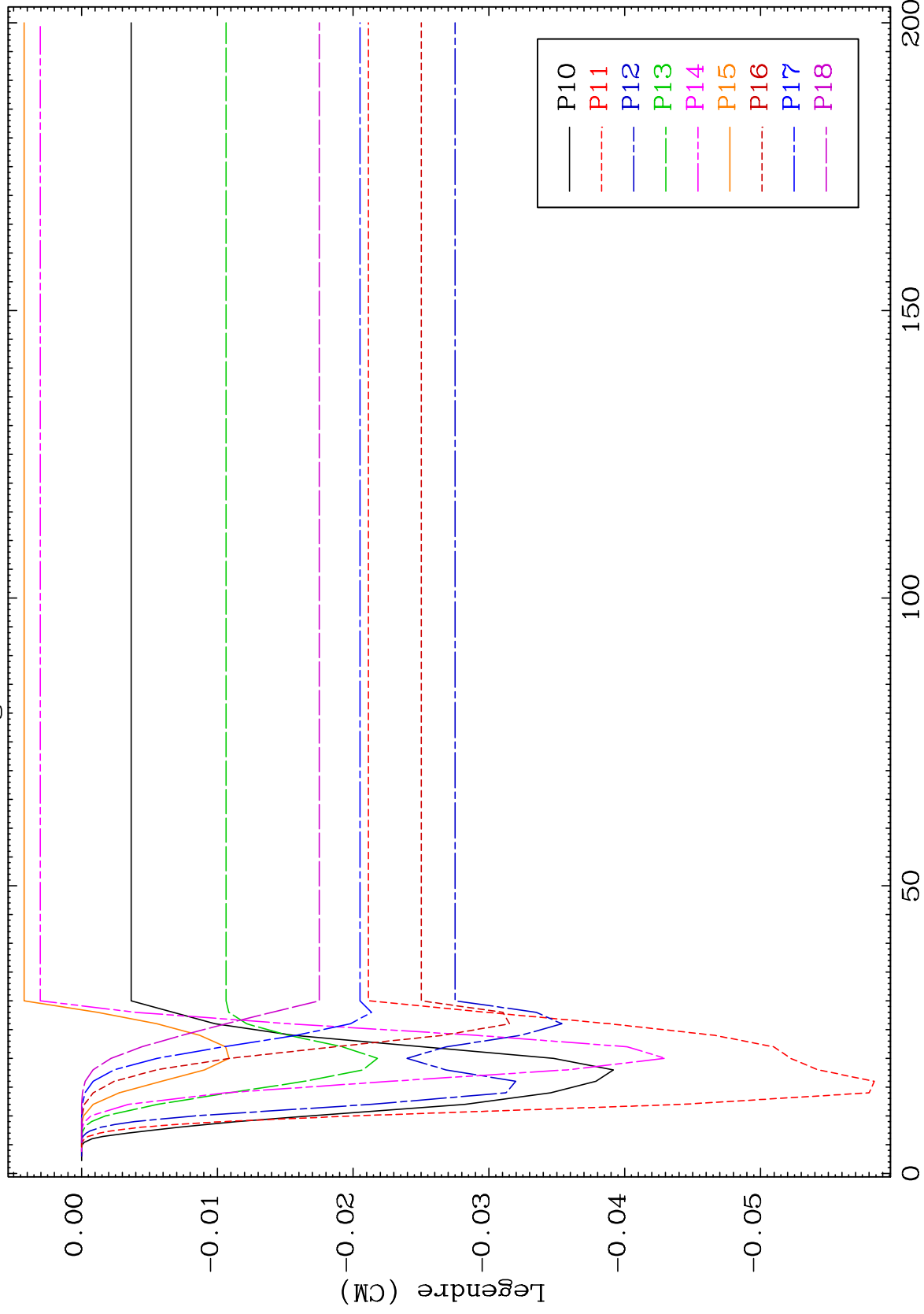
Incident Energy (MeV)

70

MAT 5407

1.896 MeV (n, n') Level
Legendre Coefficients

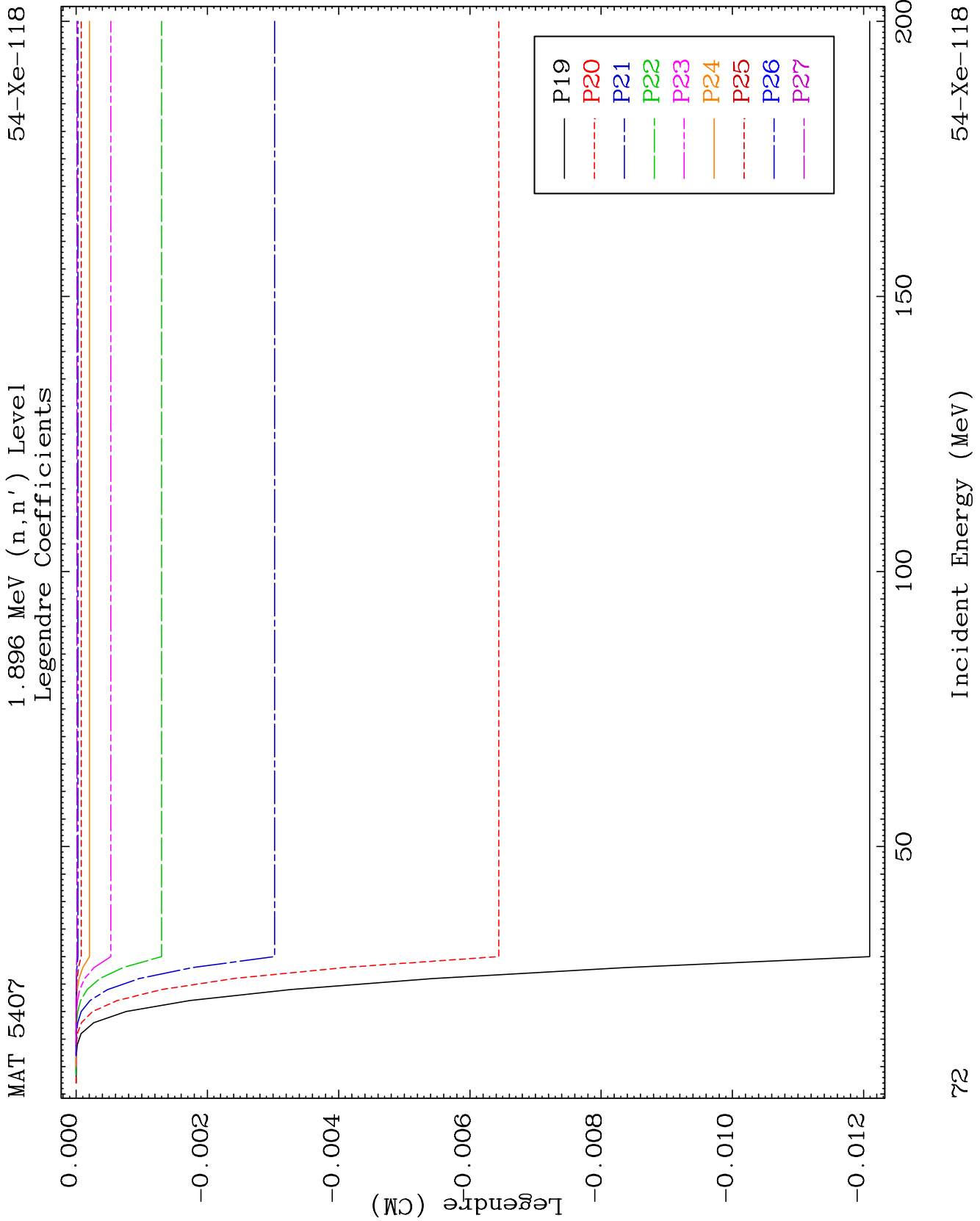
54-Xe-118

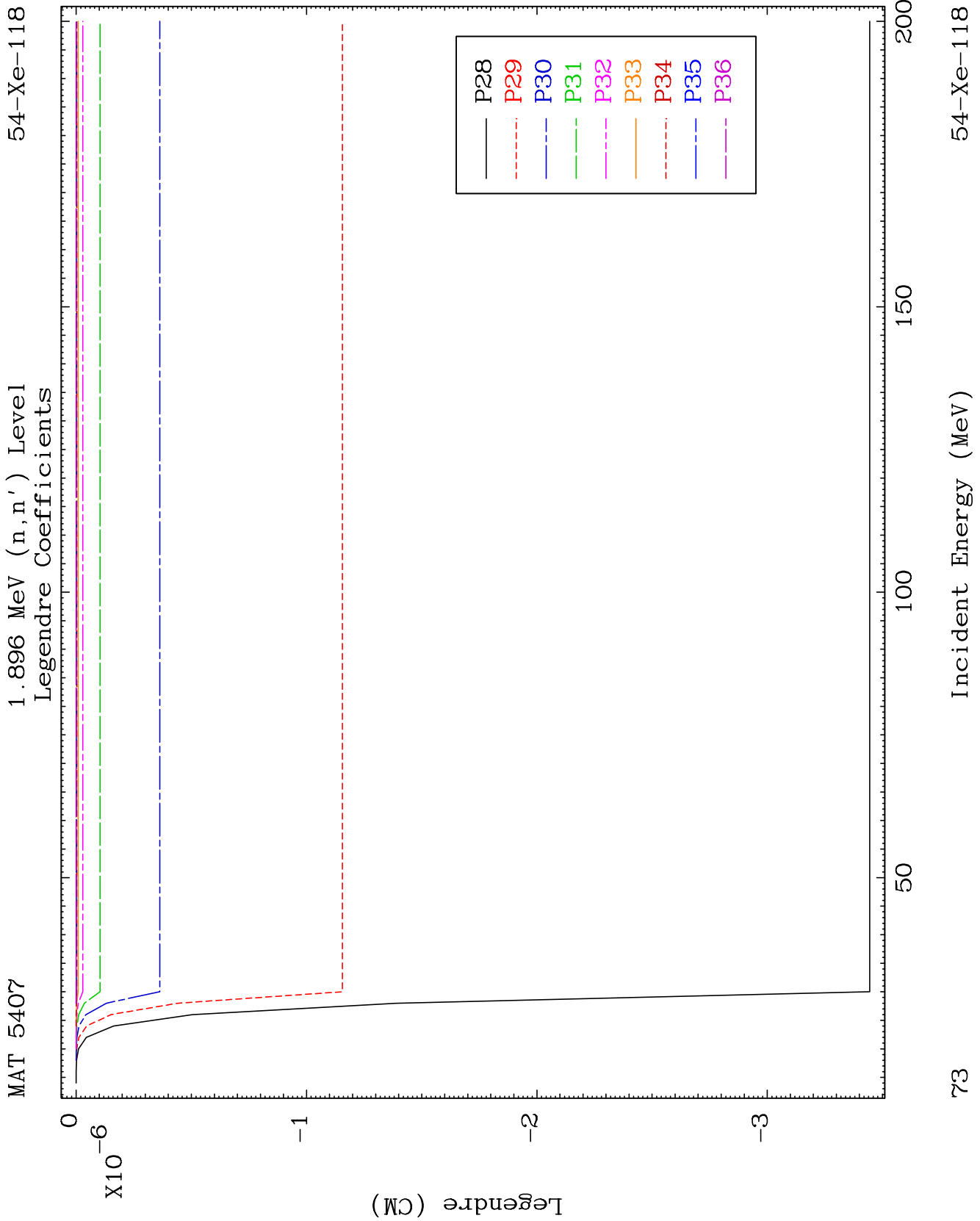


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Incident Energy (MeV)

54-Xe-118

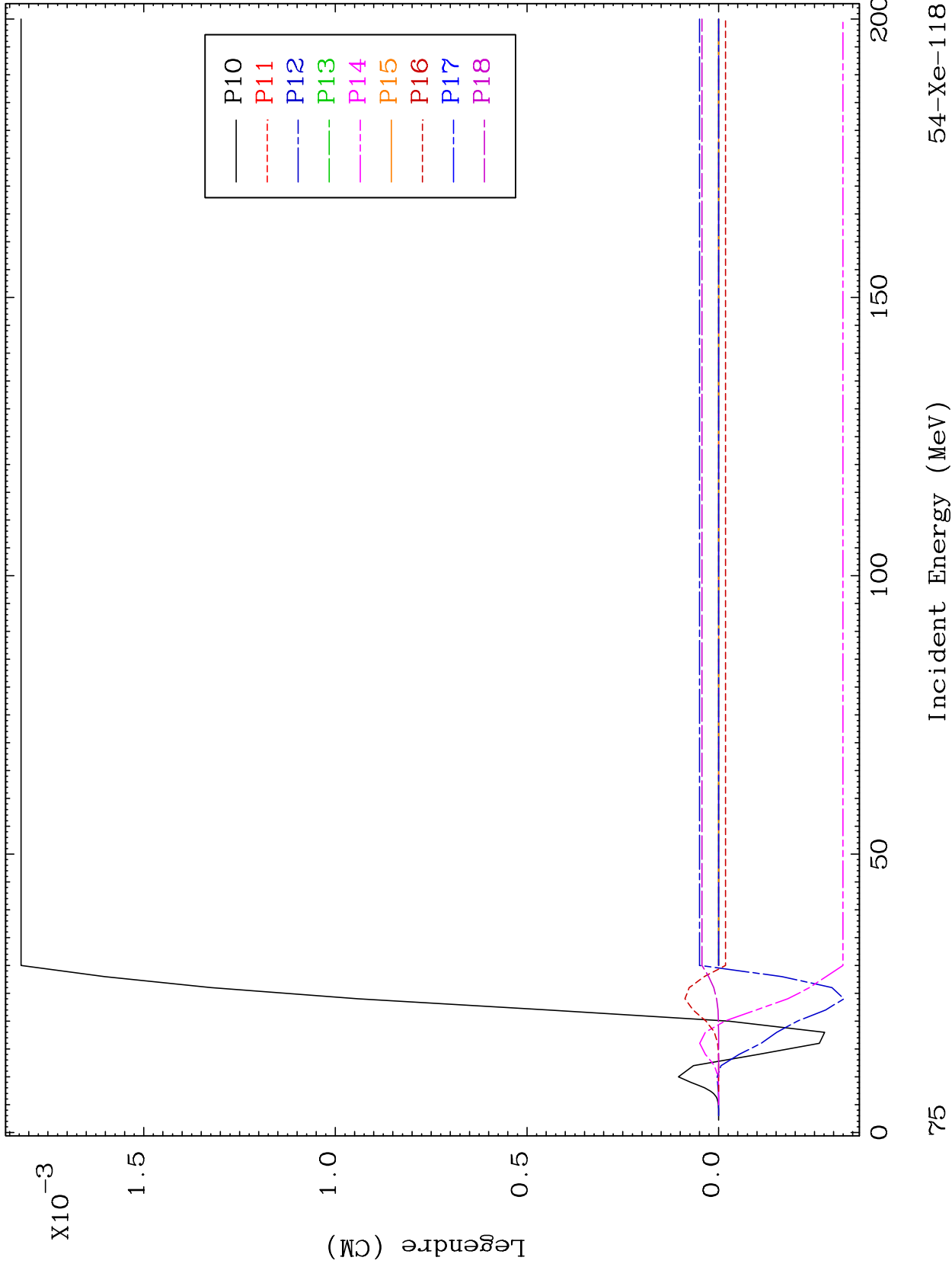




MAT 5407

1.922 MeV (n,n') Level
Legendre Coefficients

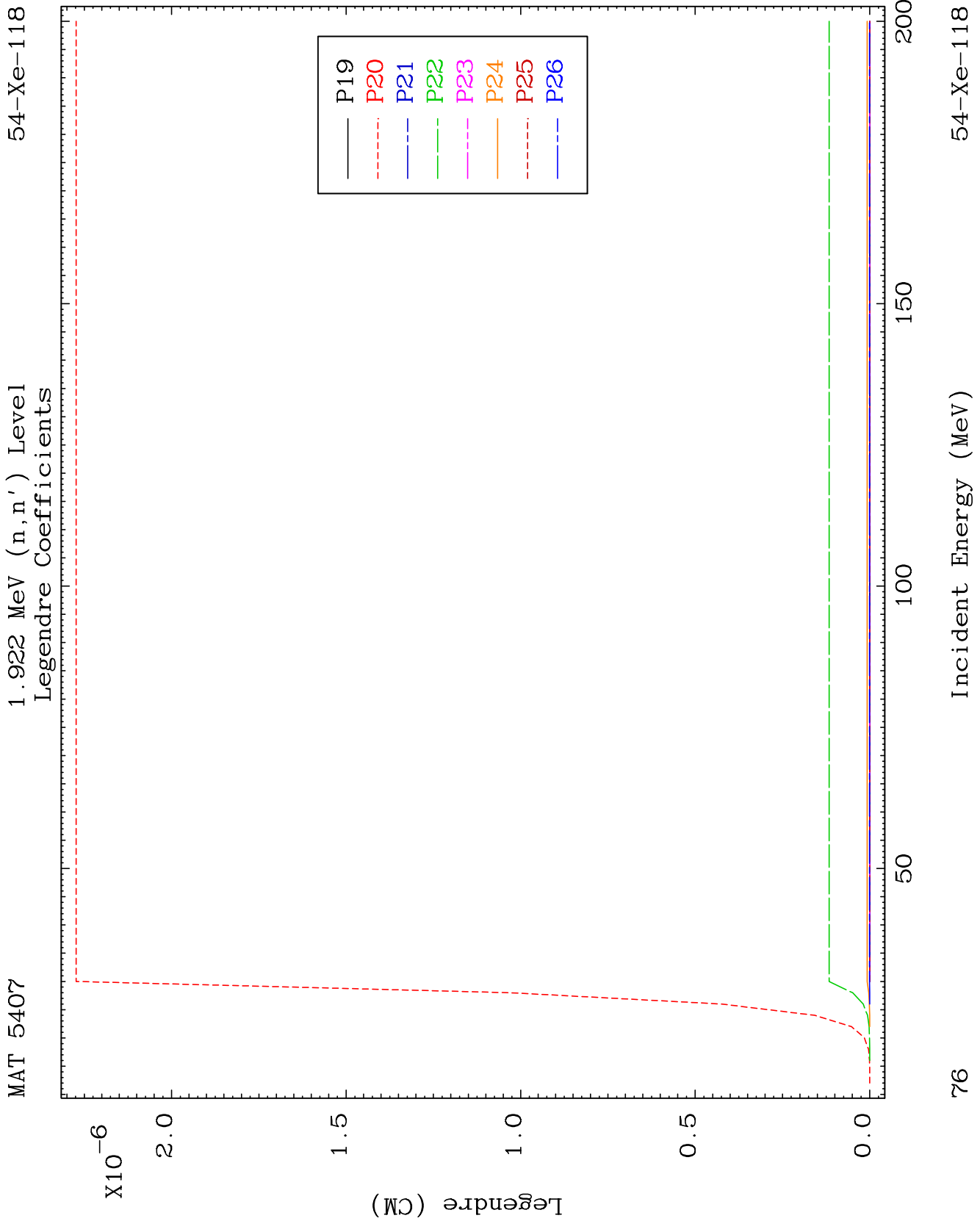
54-Xe-118



54-Xe-118

Incident Energy (MeV)

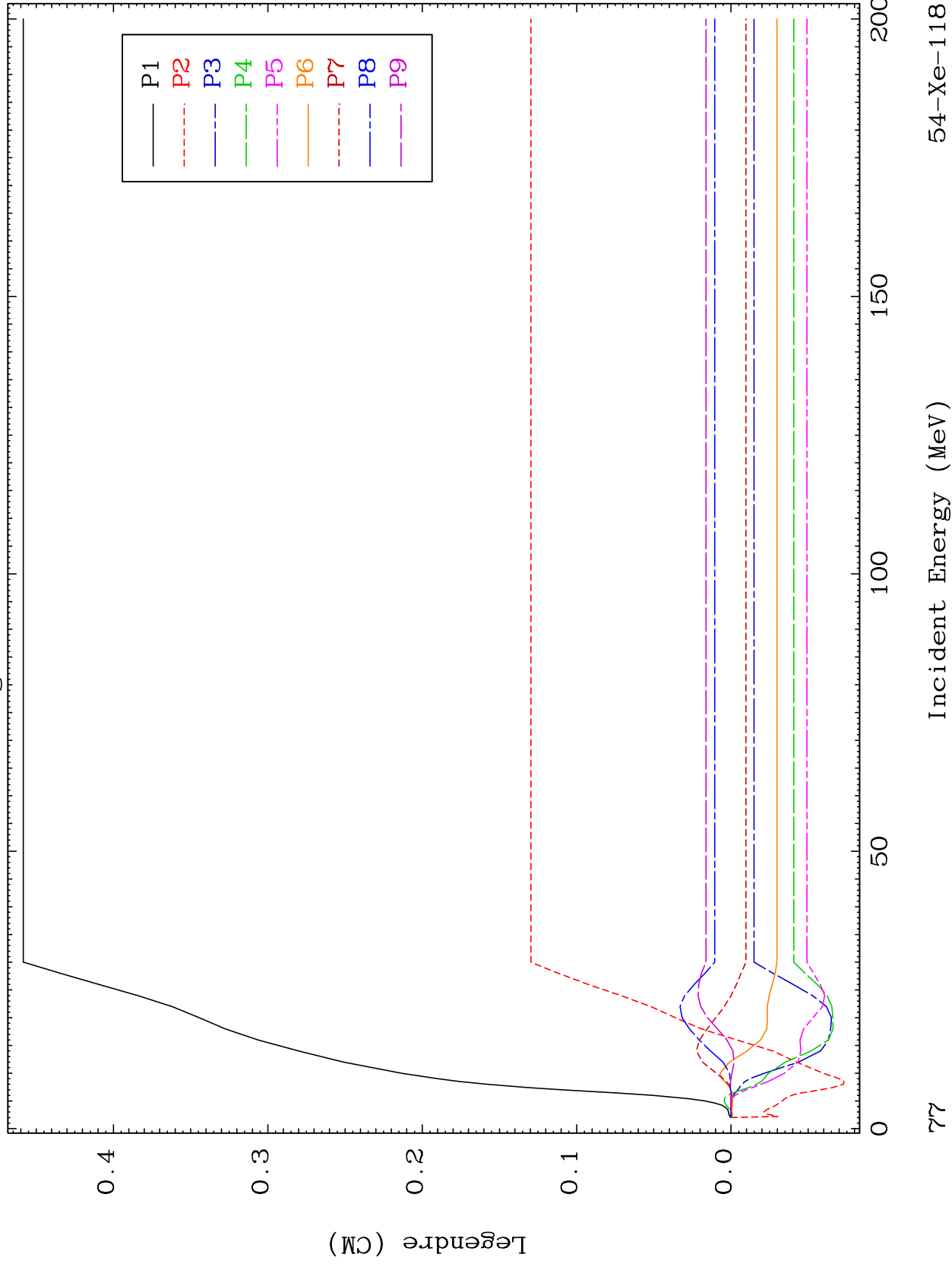
75



MAT 5407

1.995 MeV (n,n') Level
Legendre Coefficients

54-Xe-118



54-Xe-118

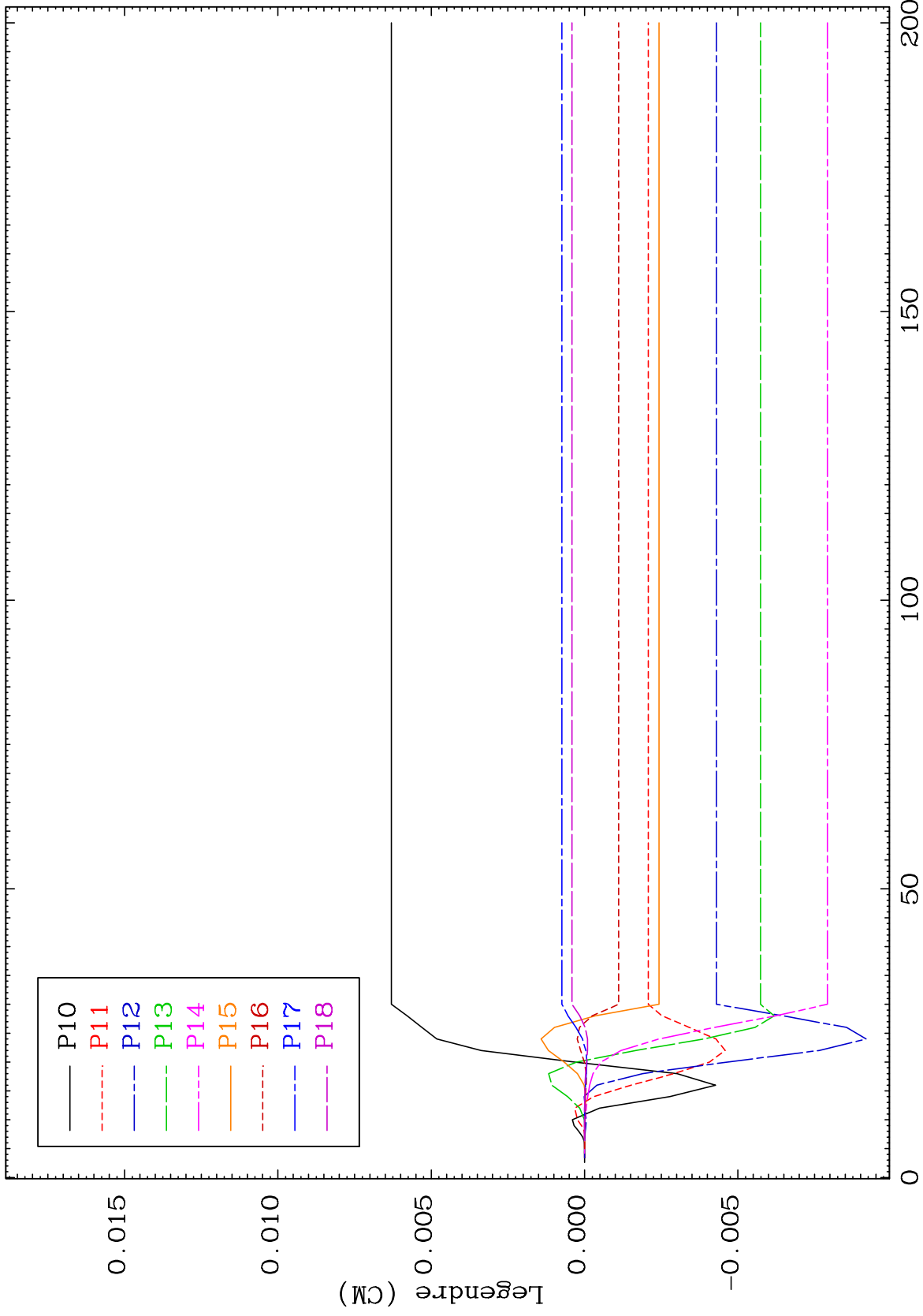
Incident Energy (MeV)

77

MAT 5407

1.995 MeV (n,n') Level
Legendre Coefficients

54-Xe-118



78

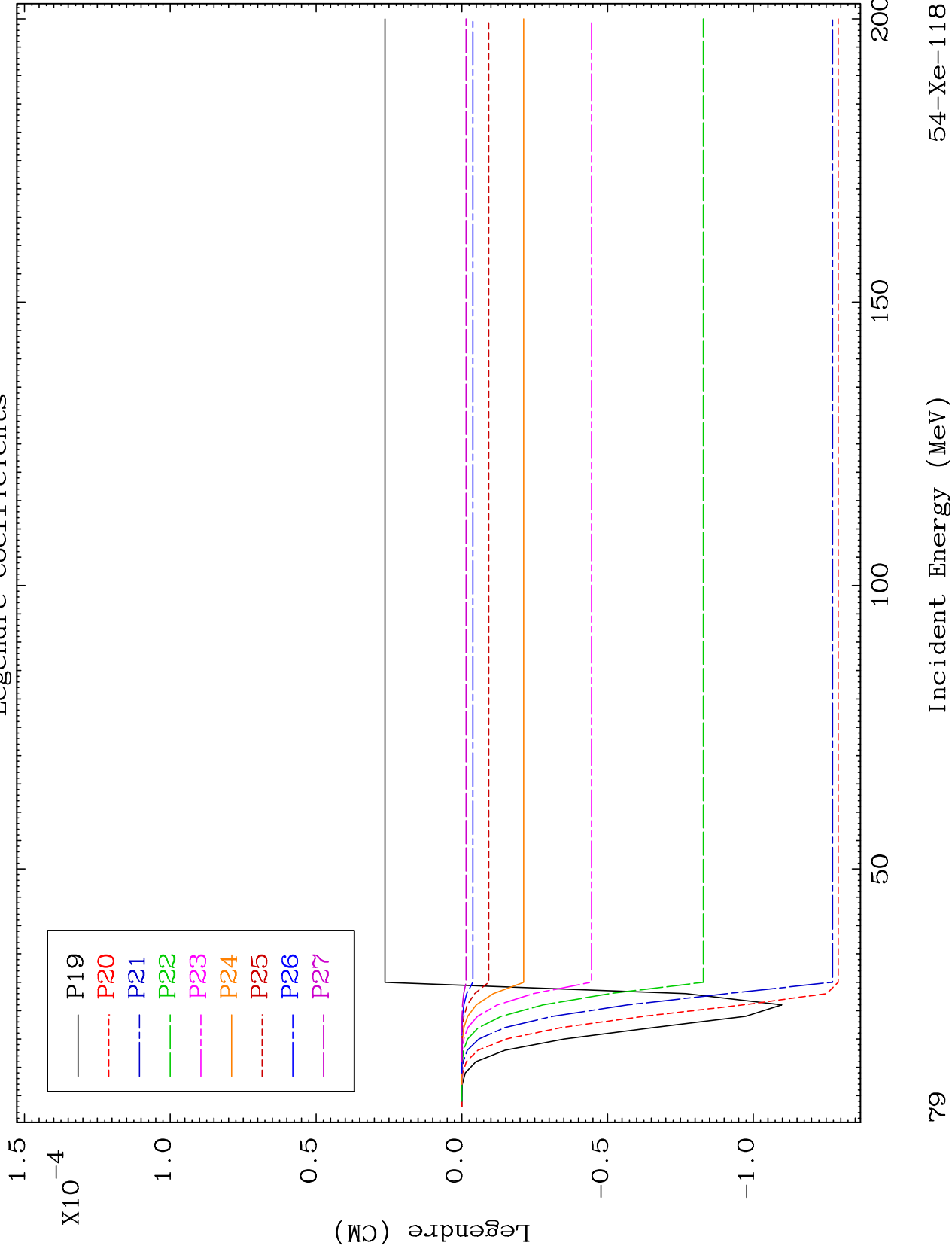
Incident Energy (MeV)

54-Xe-118

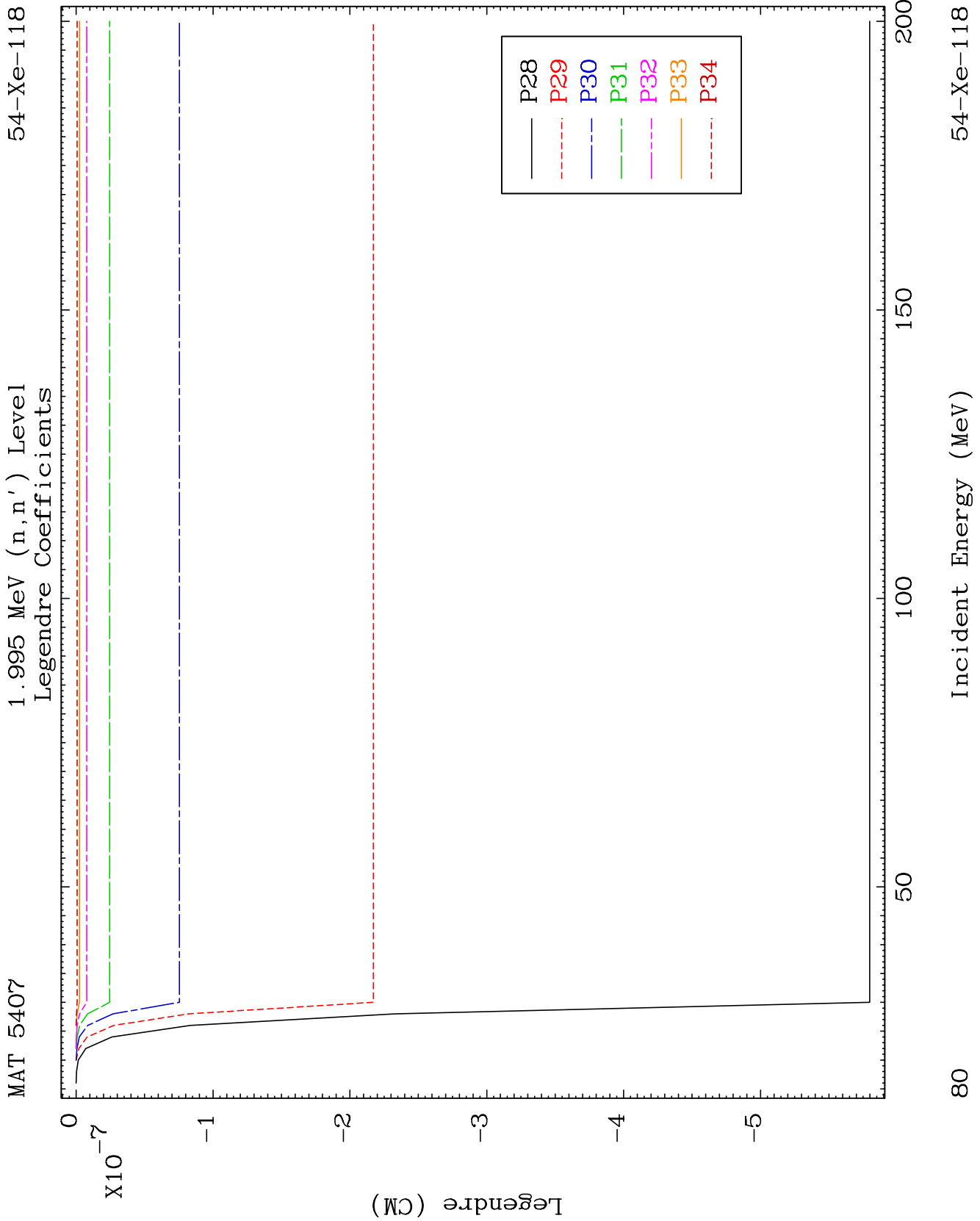
MAT 5407

1.995 MeV (n,n') Level
Legendre Coefficients

54-Xe-118



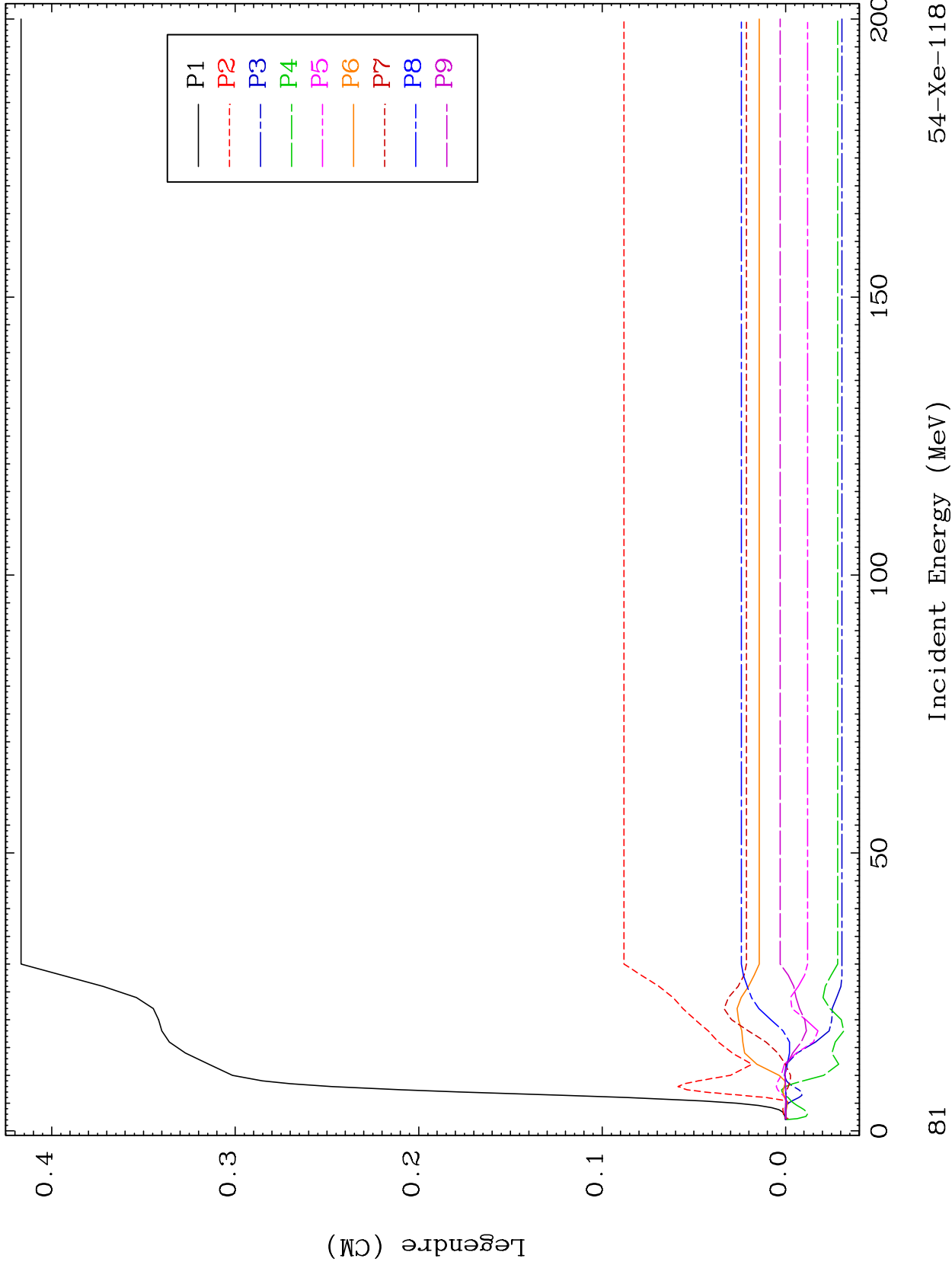
79



MAT 5407

1.997 MeV (n,n') Level
Legendre Coefficients

54-Xe-118



81

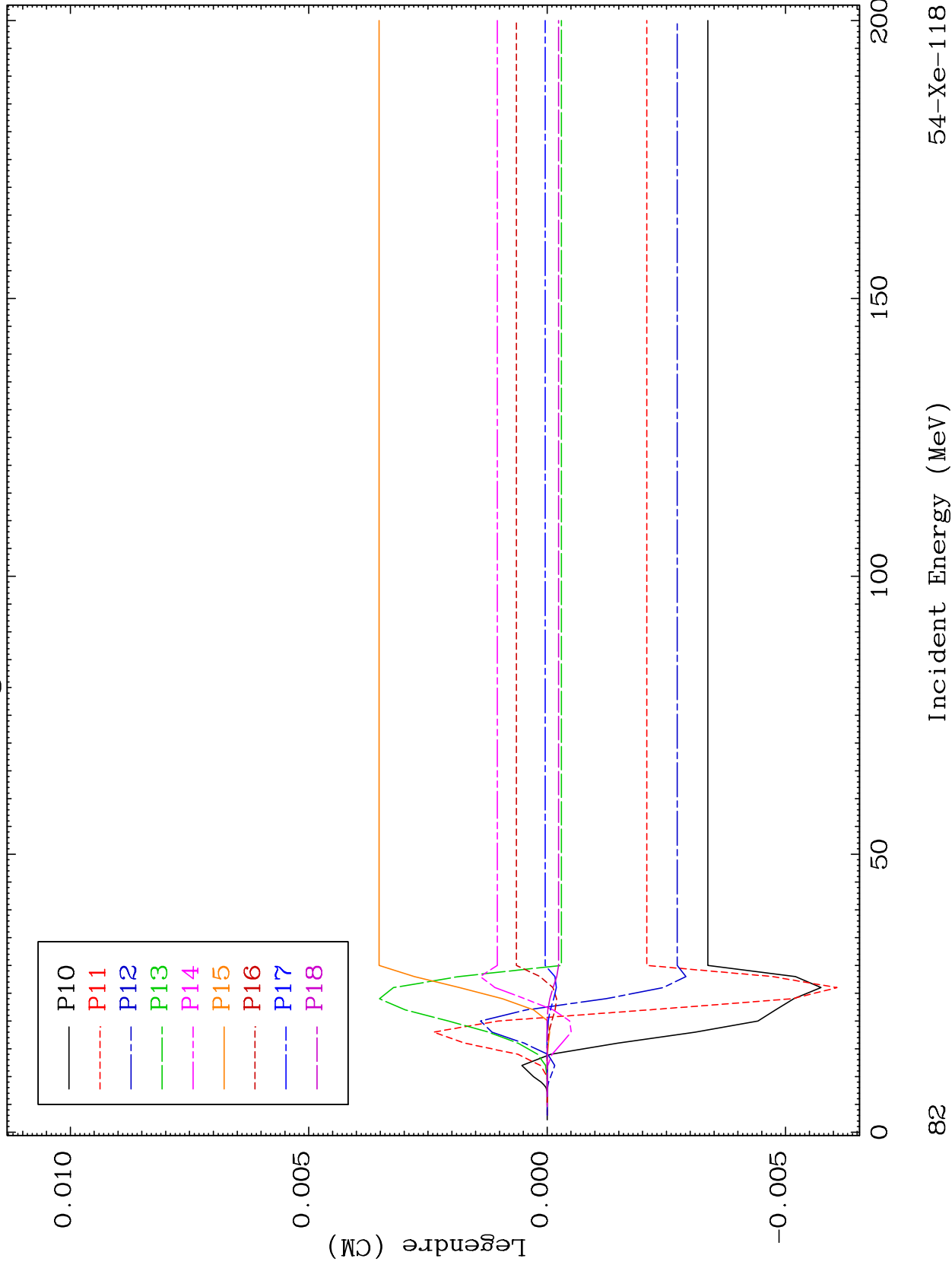
Incident Energy (MeV)

54-Xe-118

MAT 5407

1.997 MeV (n,n') Level
Legendre Coefficients

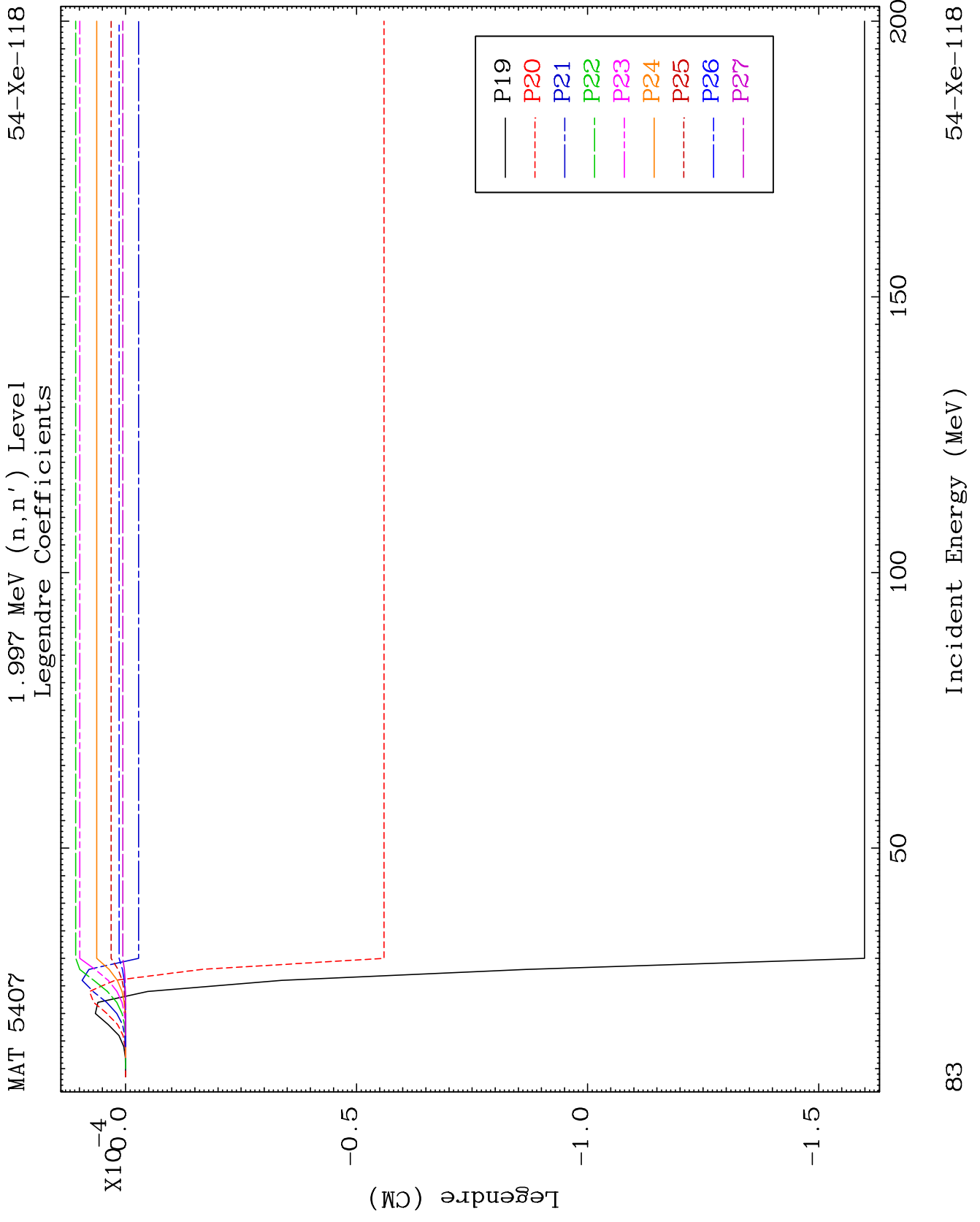
54-Xe-118



54-Xe-118

Incident Energy (MeV)

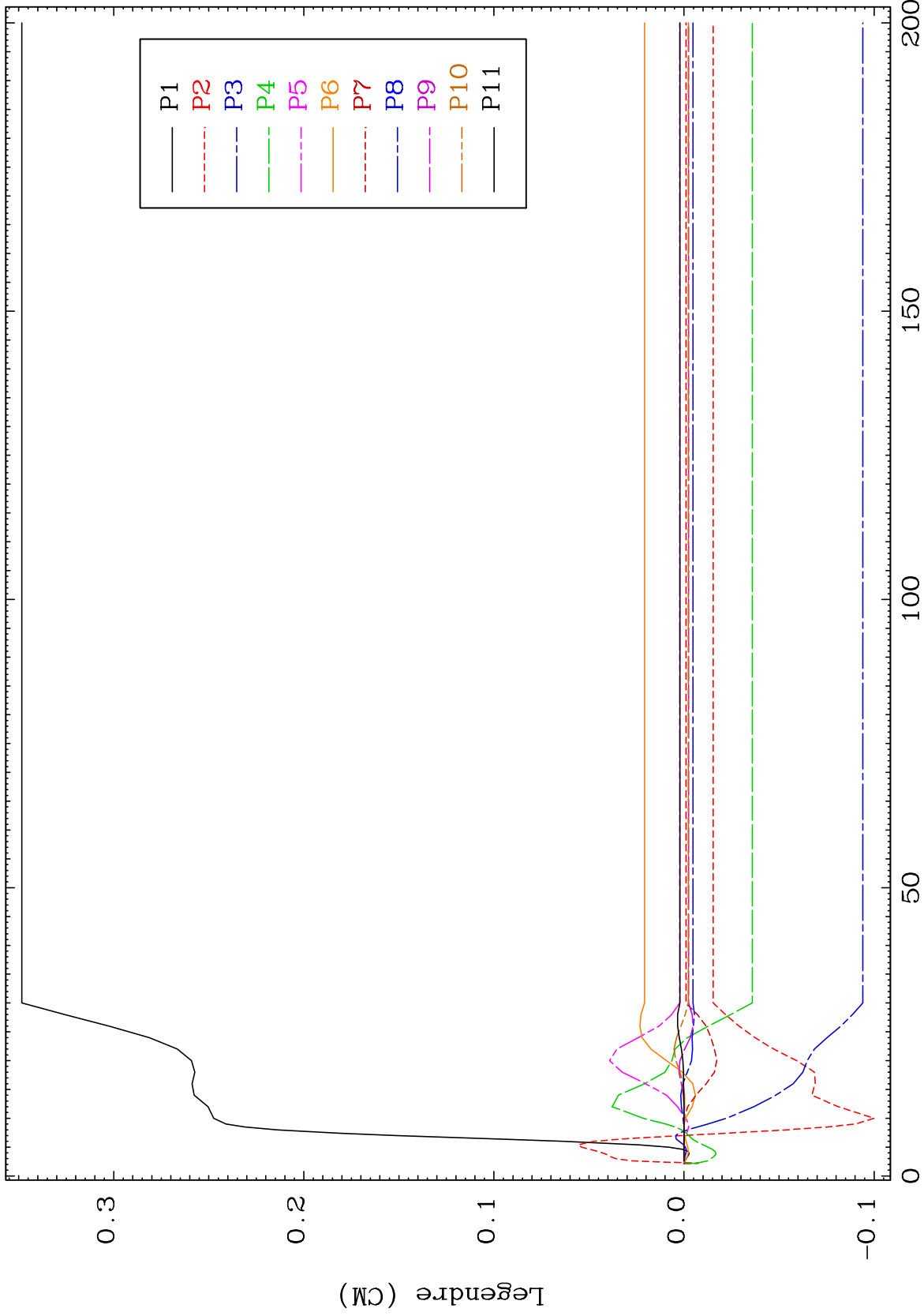
82



MAT 5407

2.073 MeV (n,n') Level
Legendre Coefficients

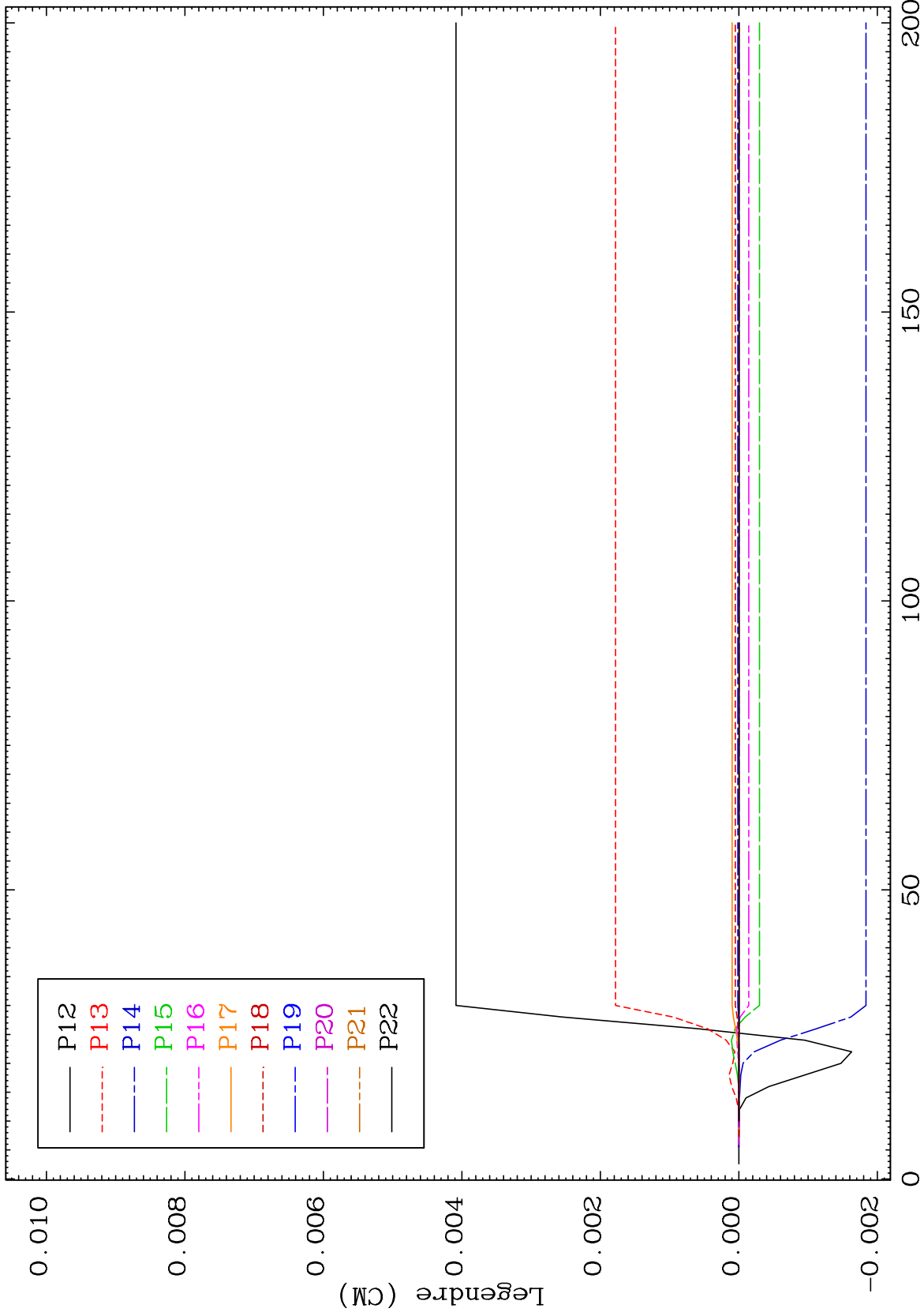
54-Xe-118

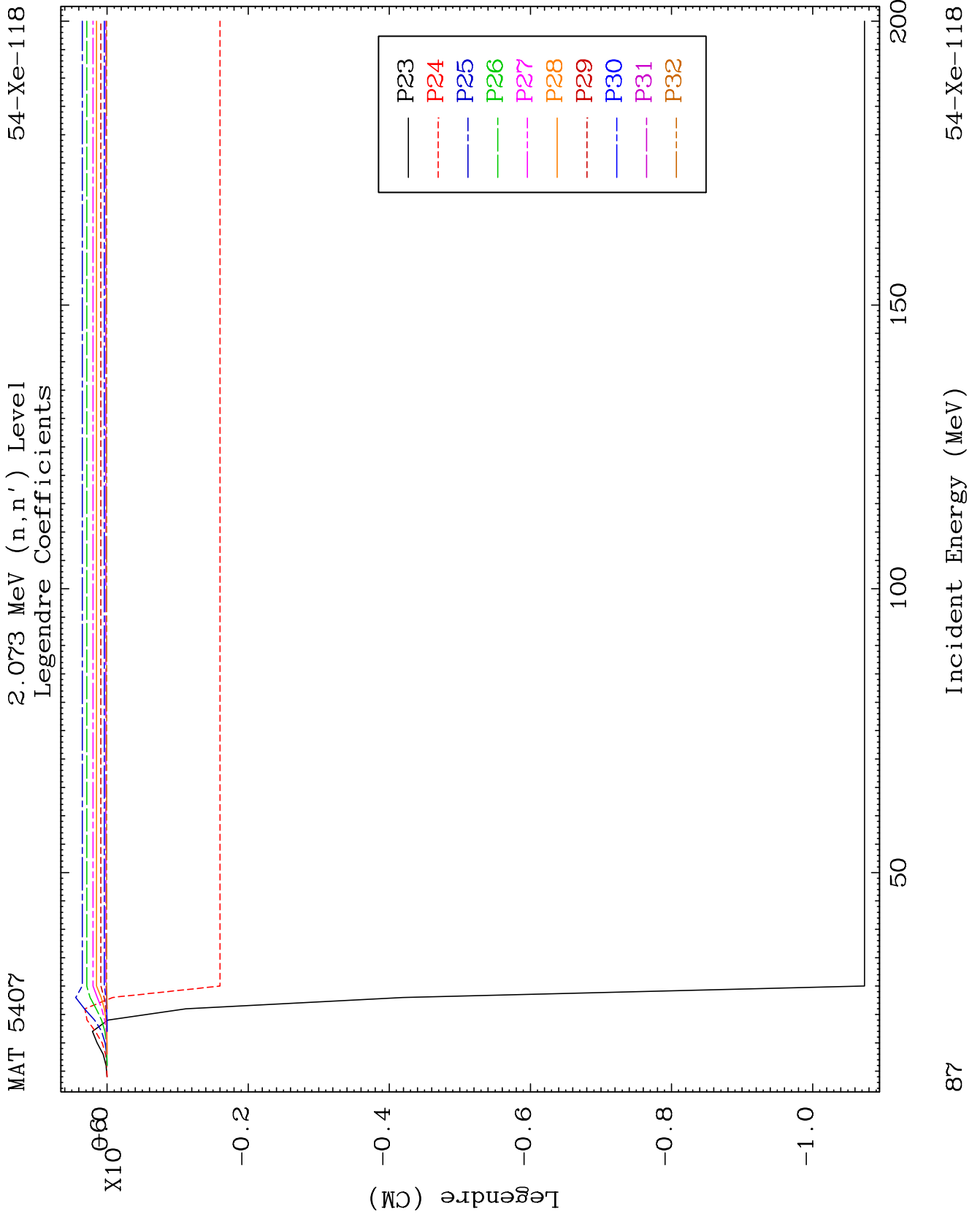


85

Incident Energy (MeV)

54-Xe-118

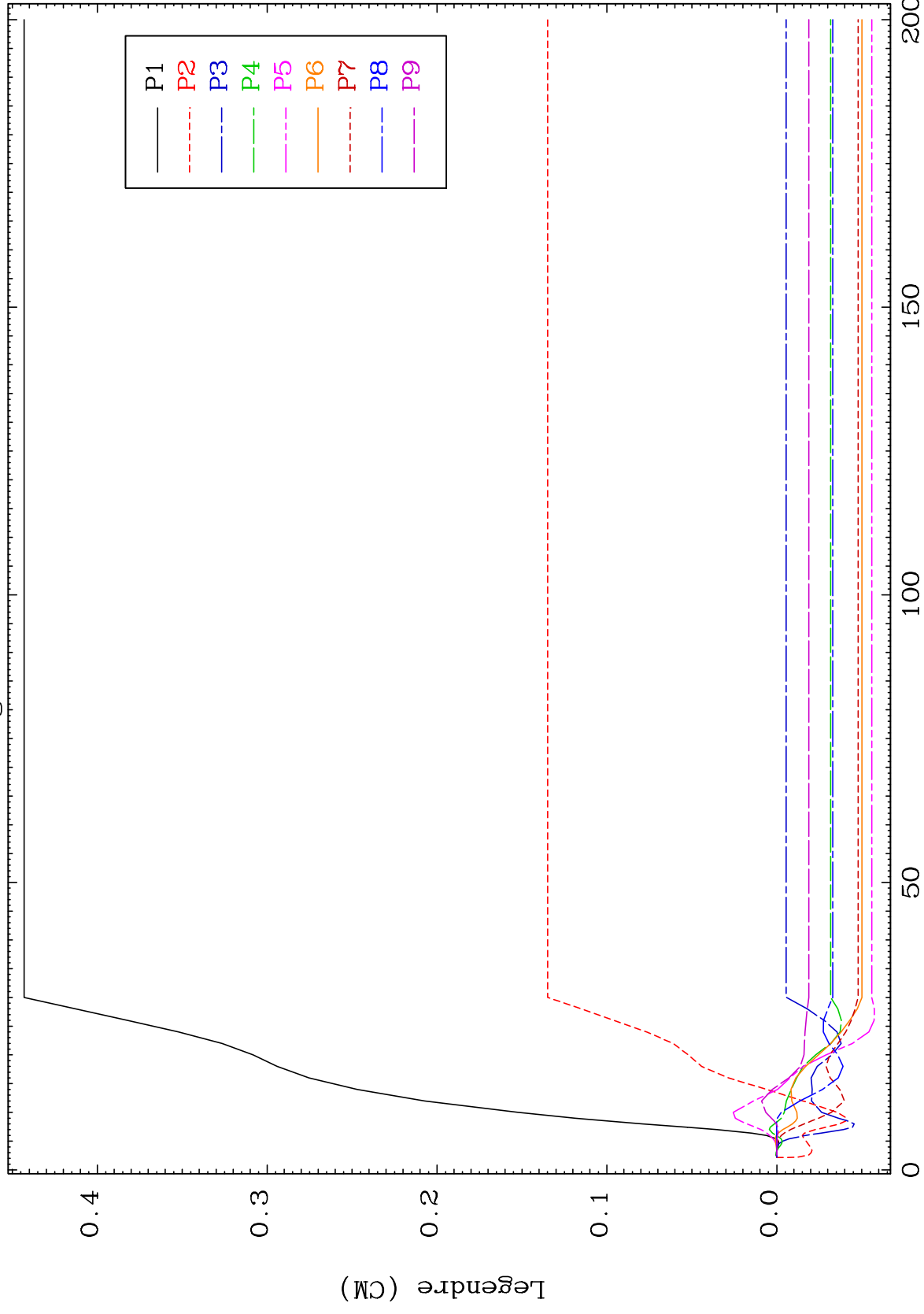




MAT 5407

2.129 MeV (n,n') Level
Legendre Coefficients

54-Xe-118



88

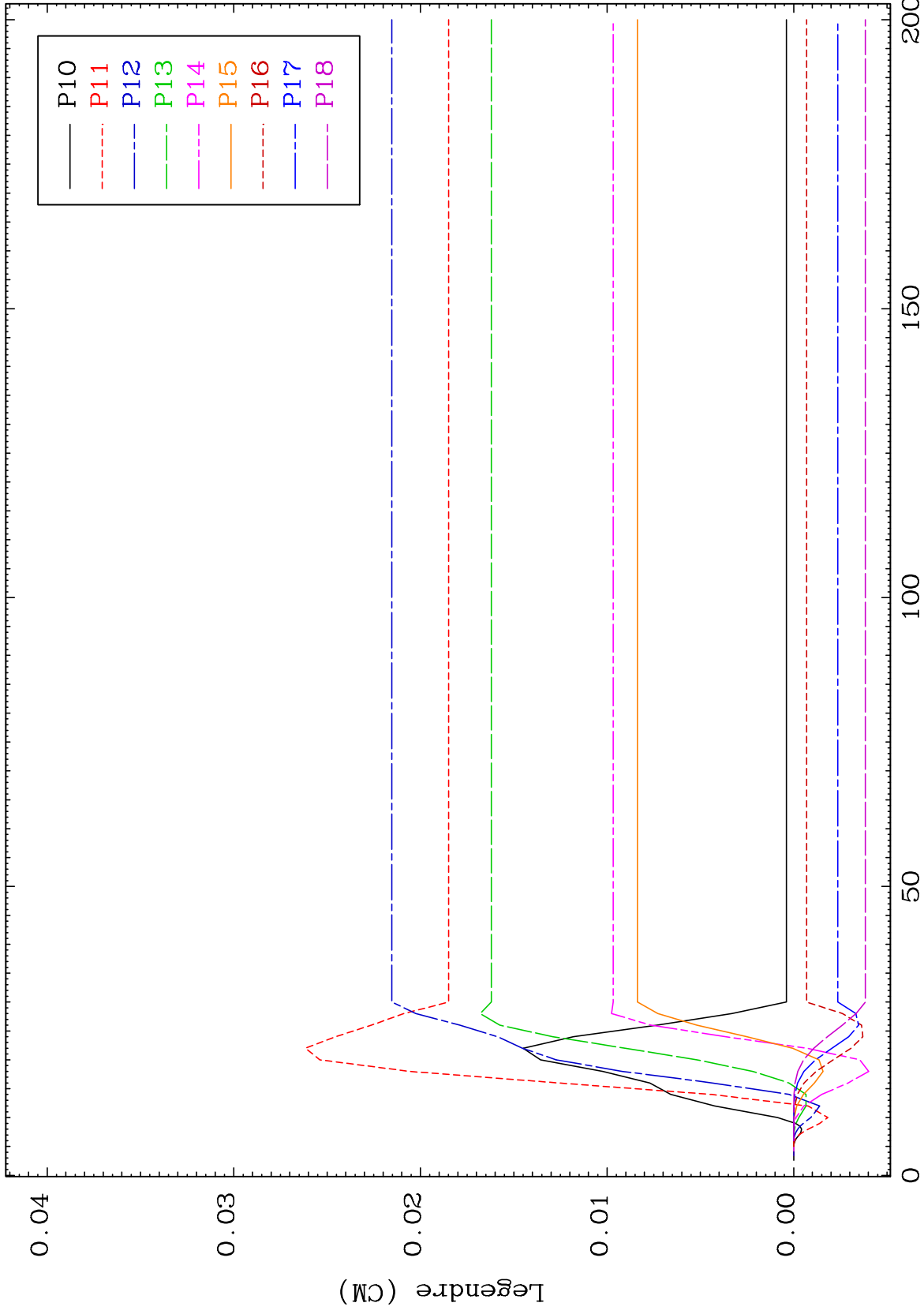
Incident Energy (MeV)

54-Xe-118

MAT 5407

2.129 MeV (n,n') Level
Legendre Coefficients

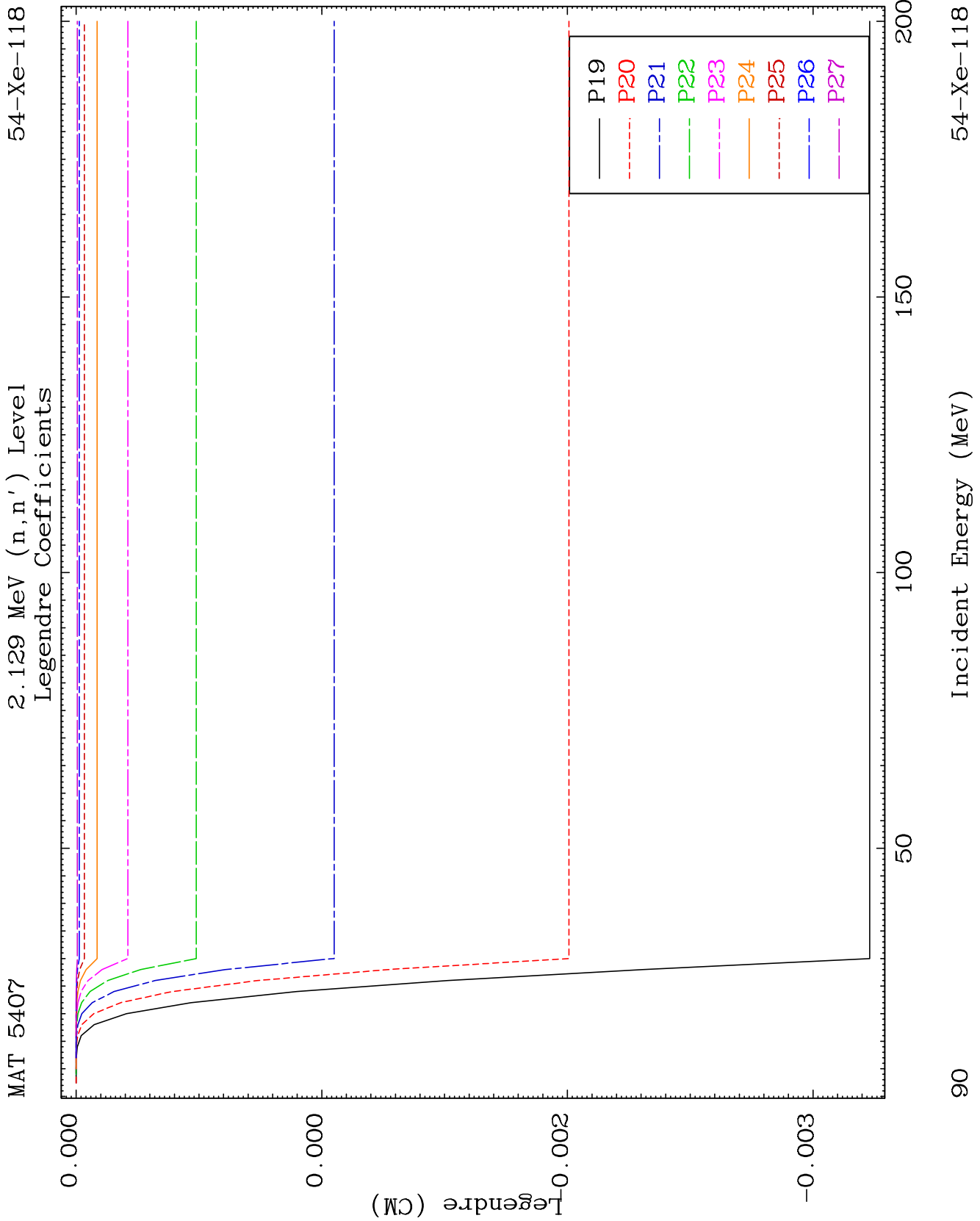
54-Xe-118

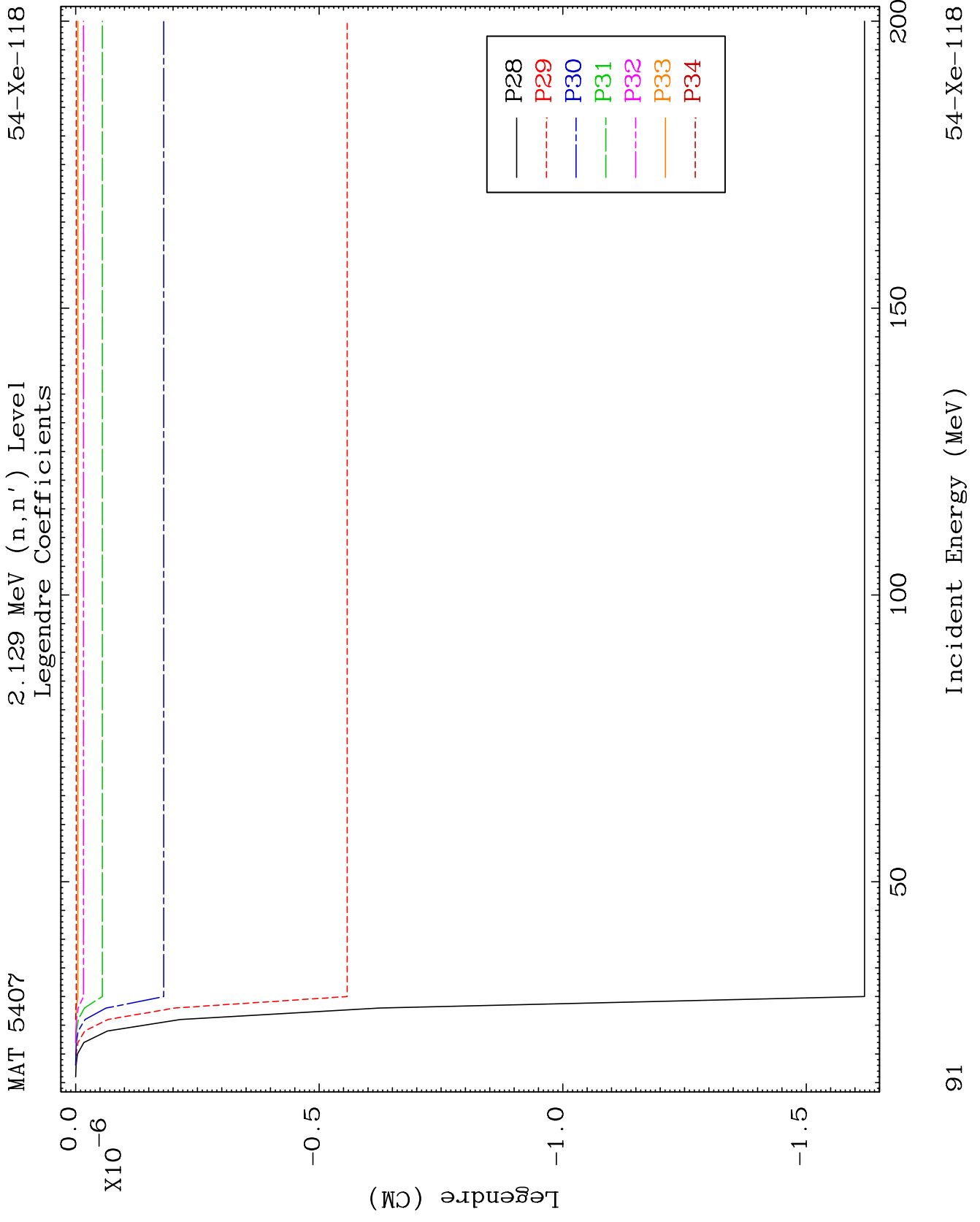


89

Incident Energy (MeV)

54-Xe-118

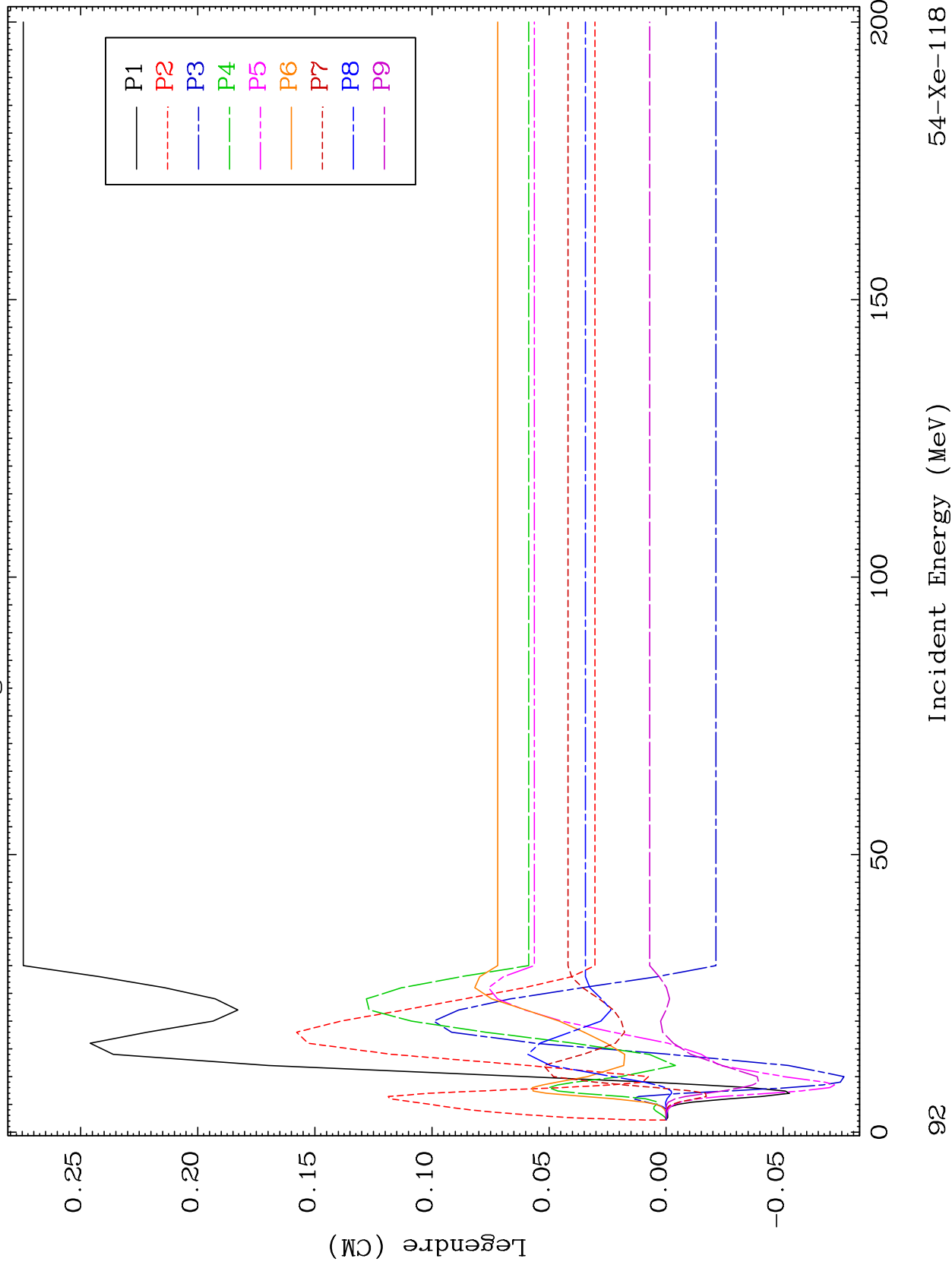




MAT 5407

2.143 MeV (n, n') Level
Legendre Coefficients

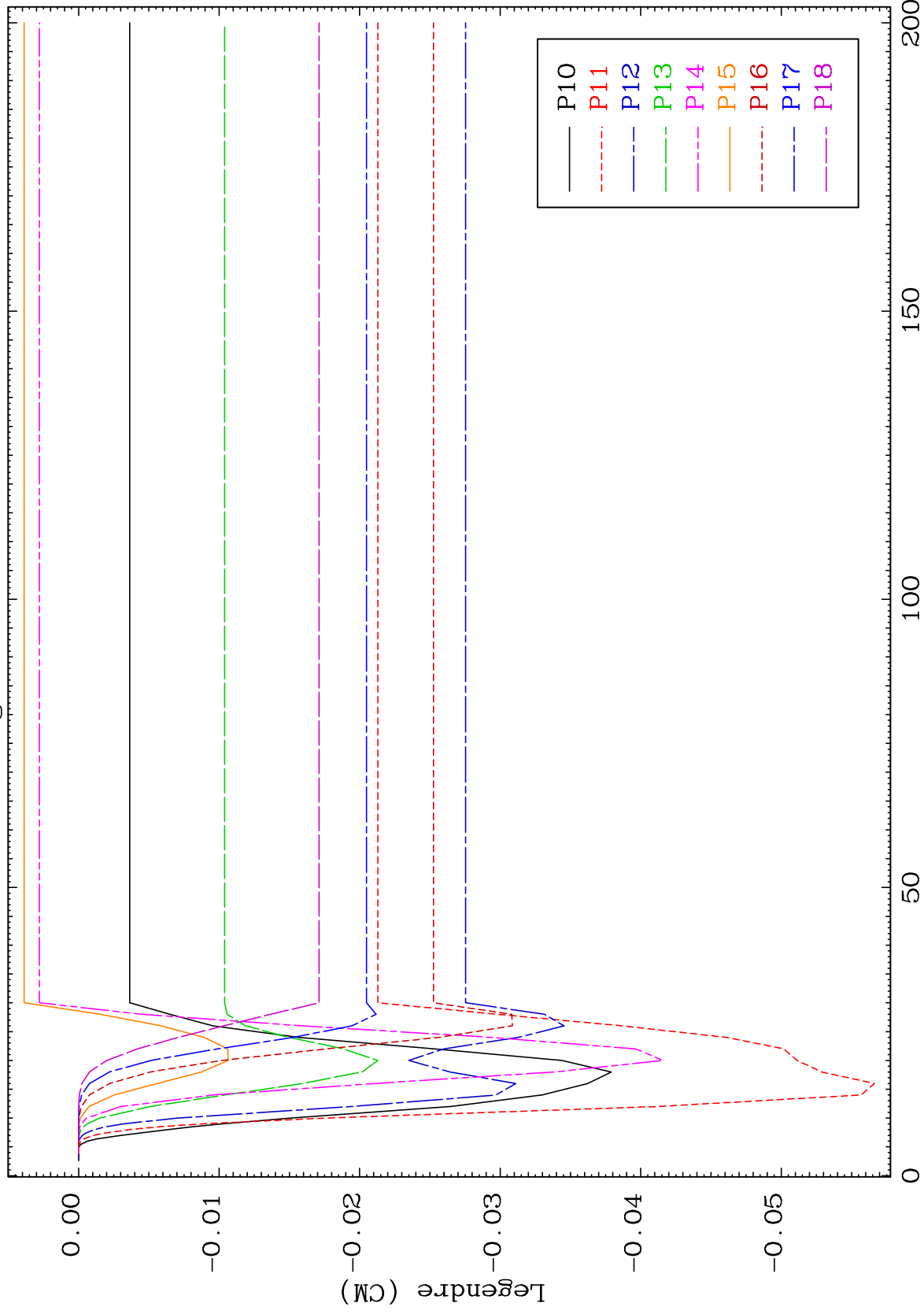
54-Xe-118

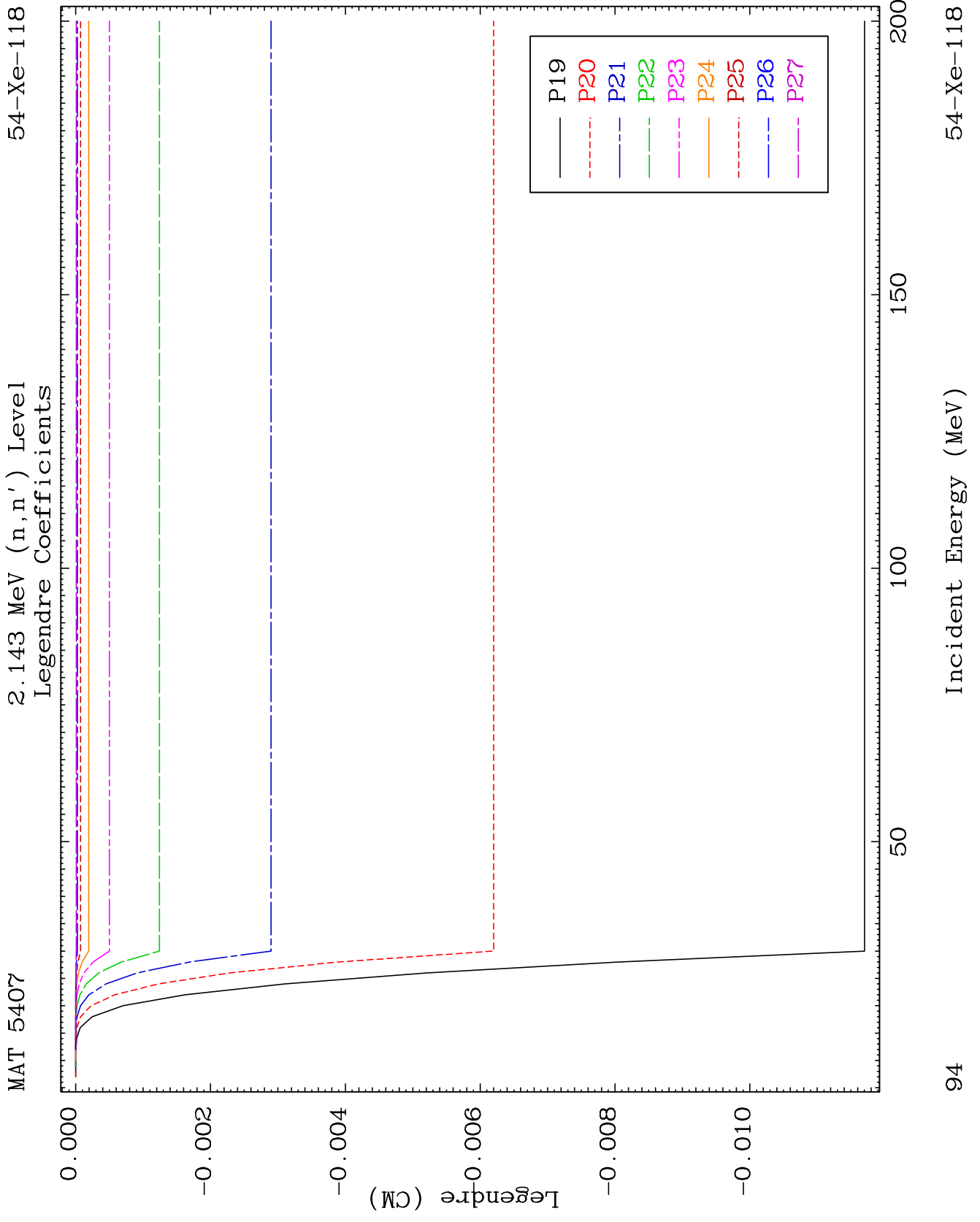


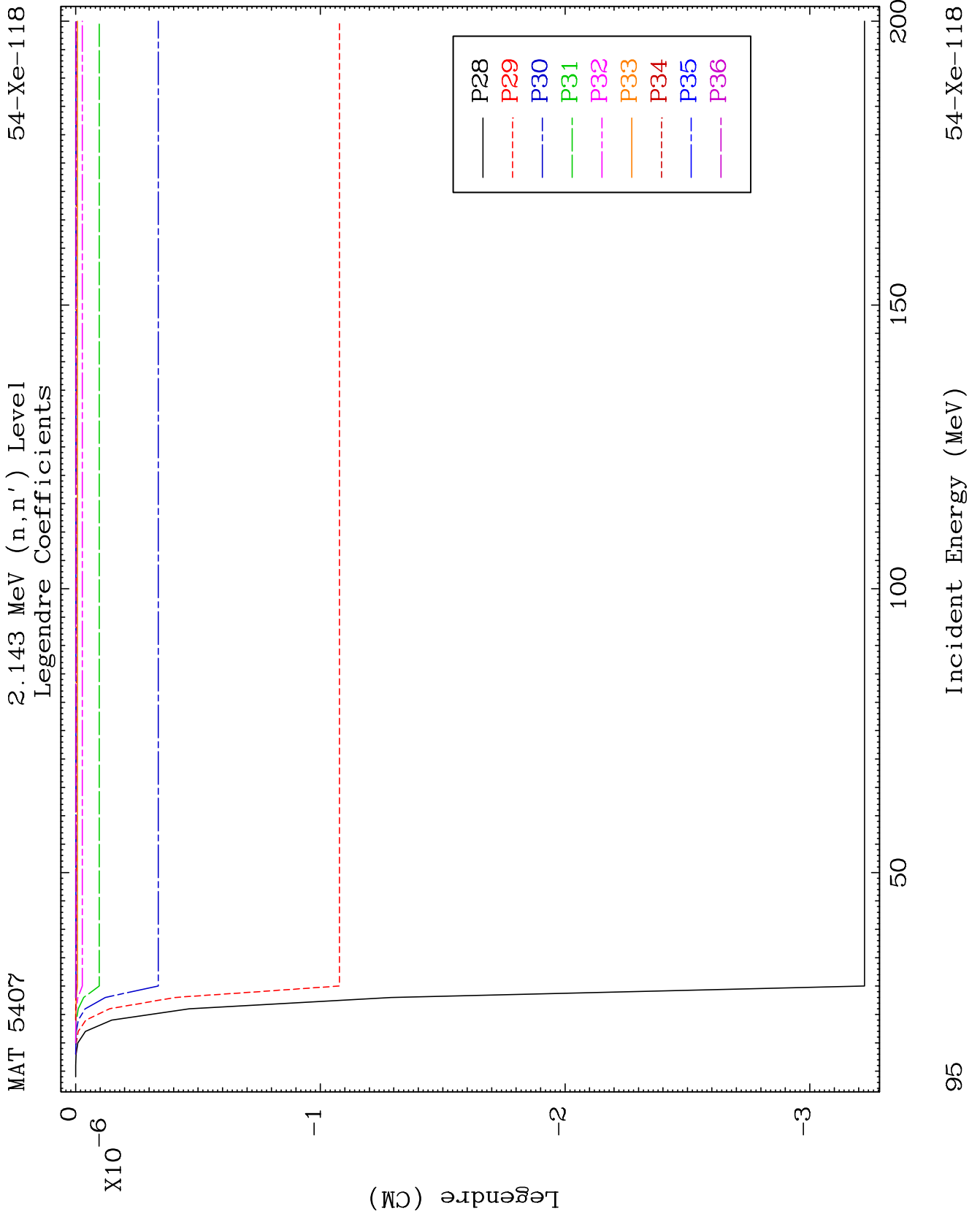
54-Xe-118

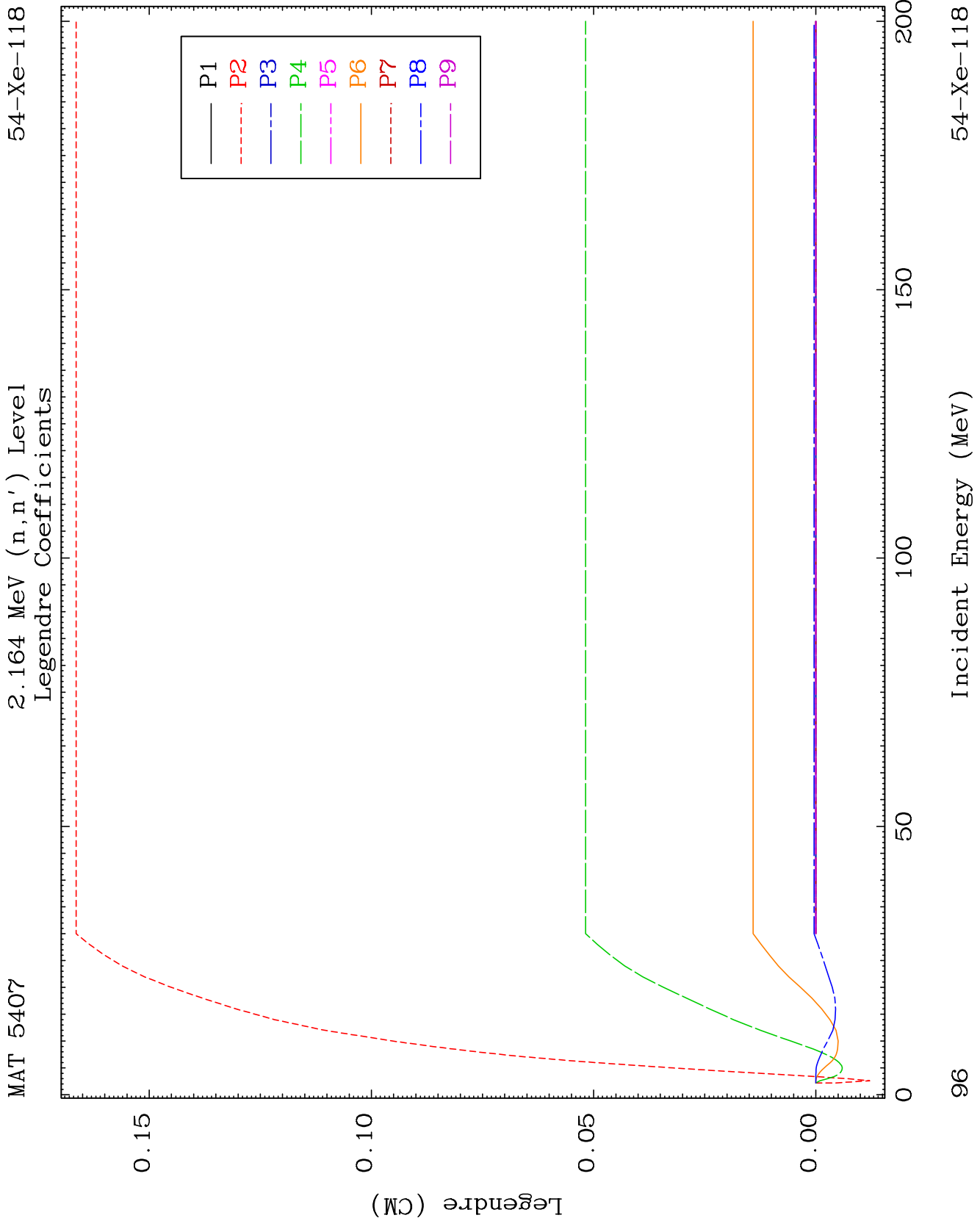
Incident Energy (MeV)

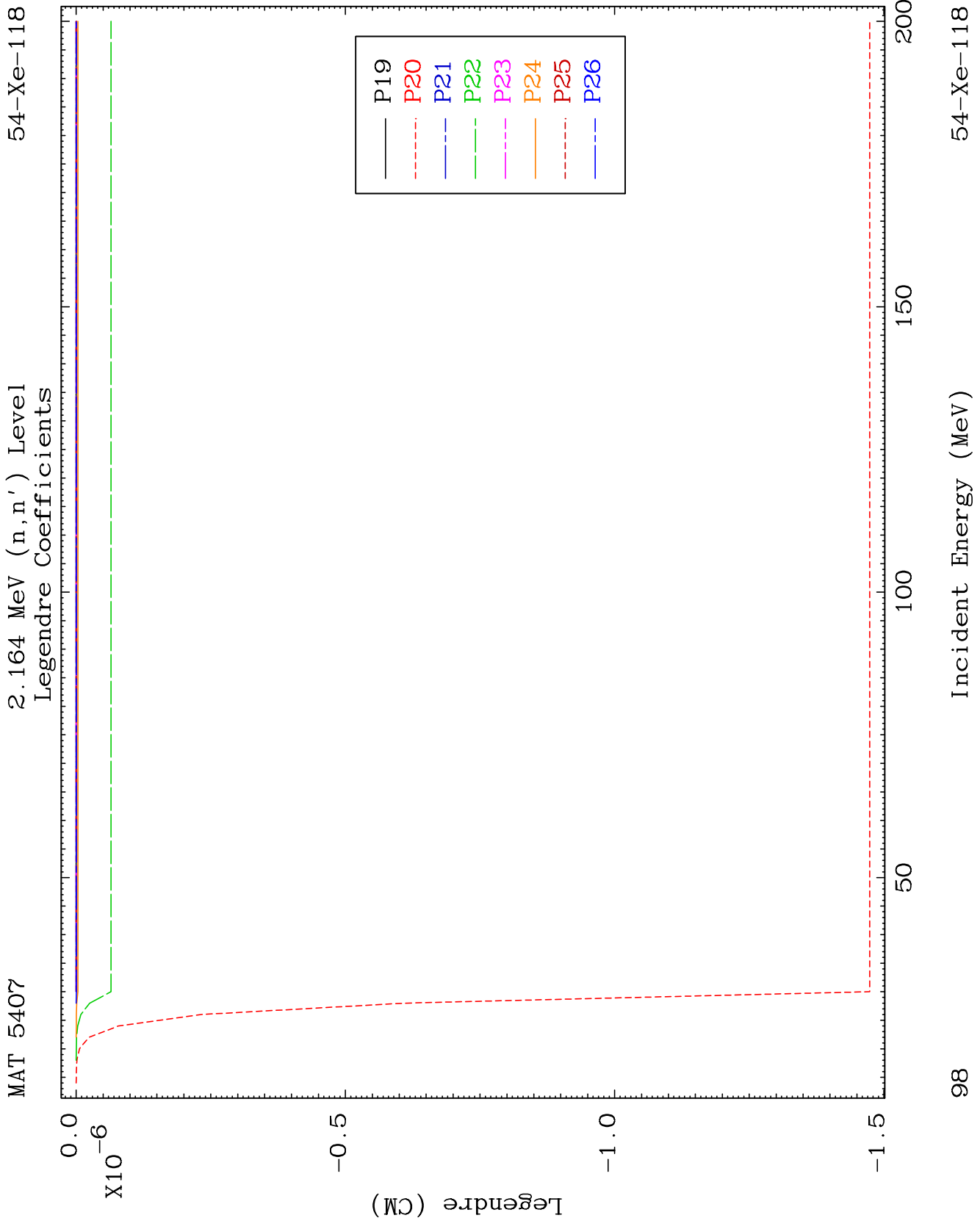
92

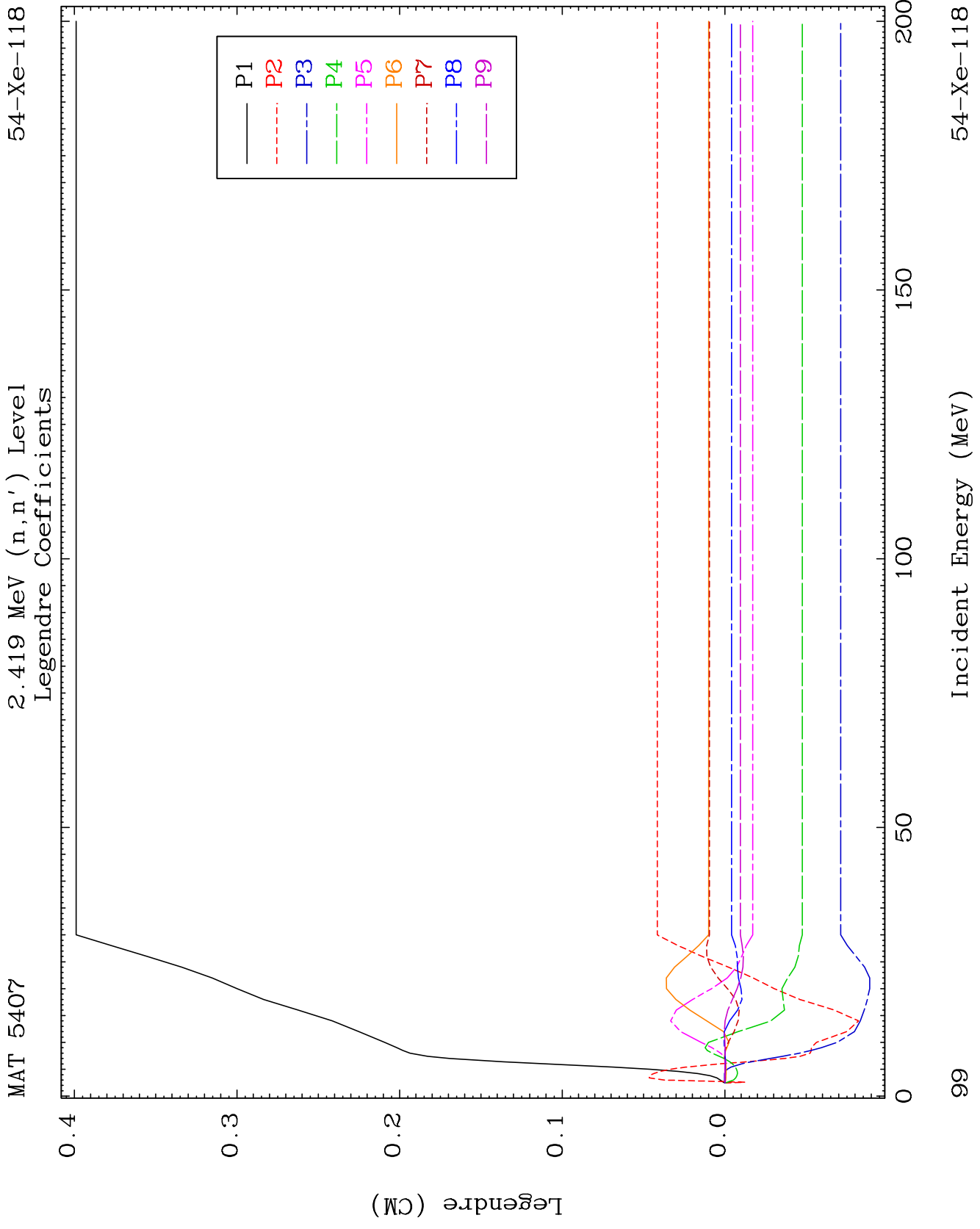








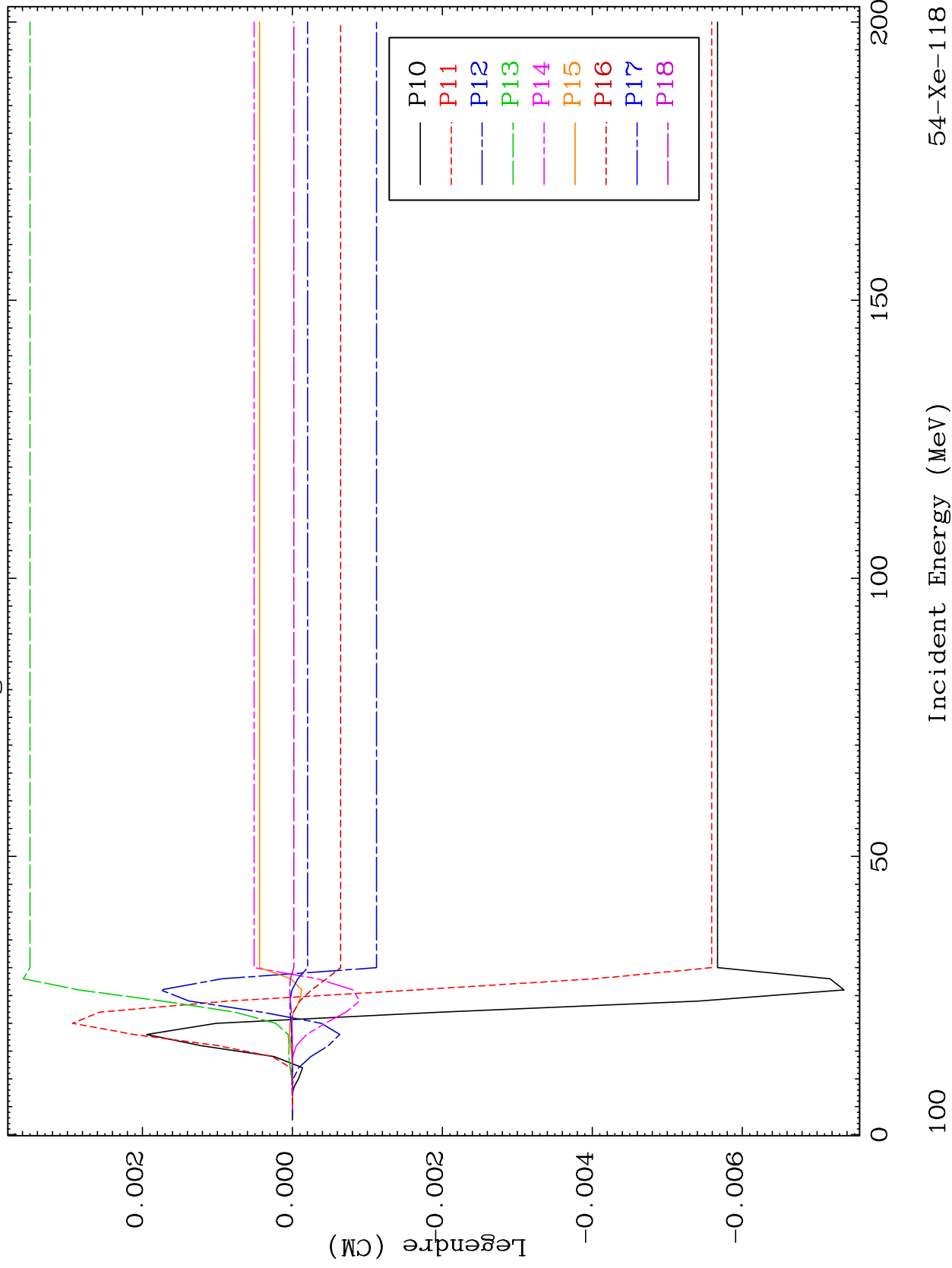




MAT 5407

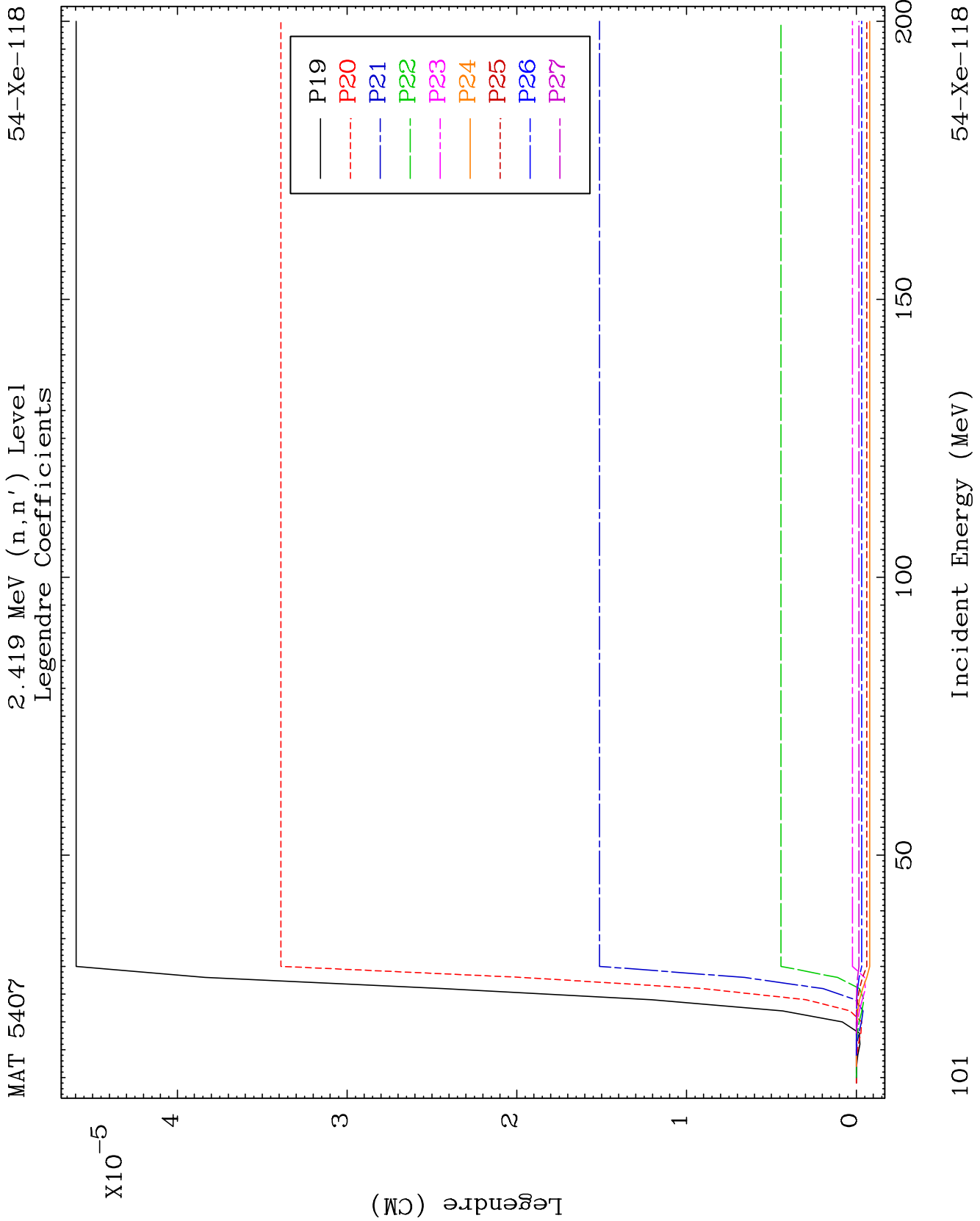
2.419 MeV (n,n') Level
Legendre Coefficients

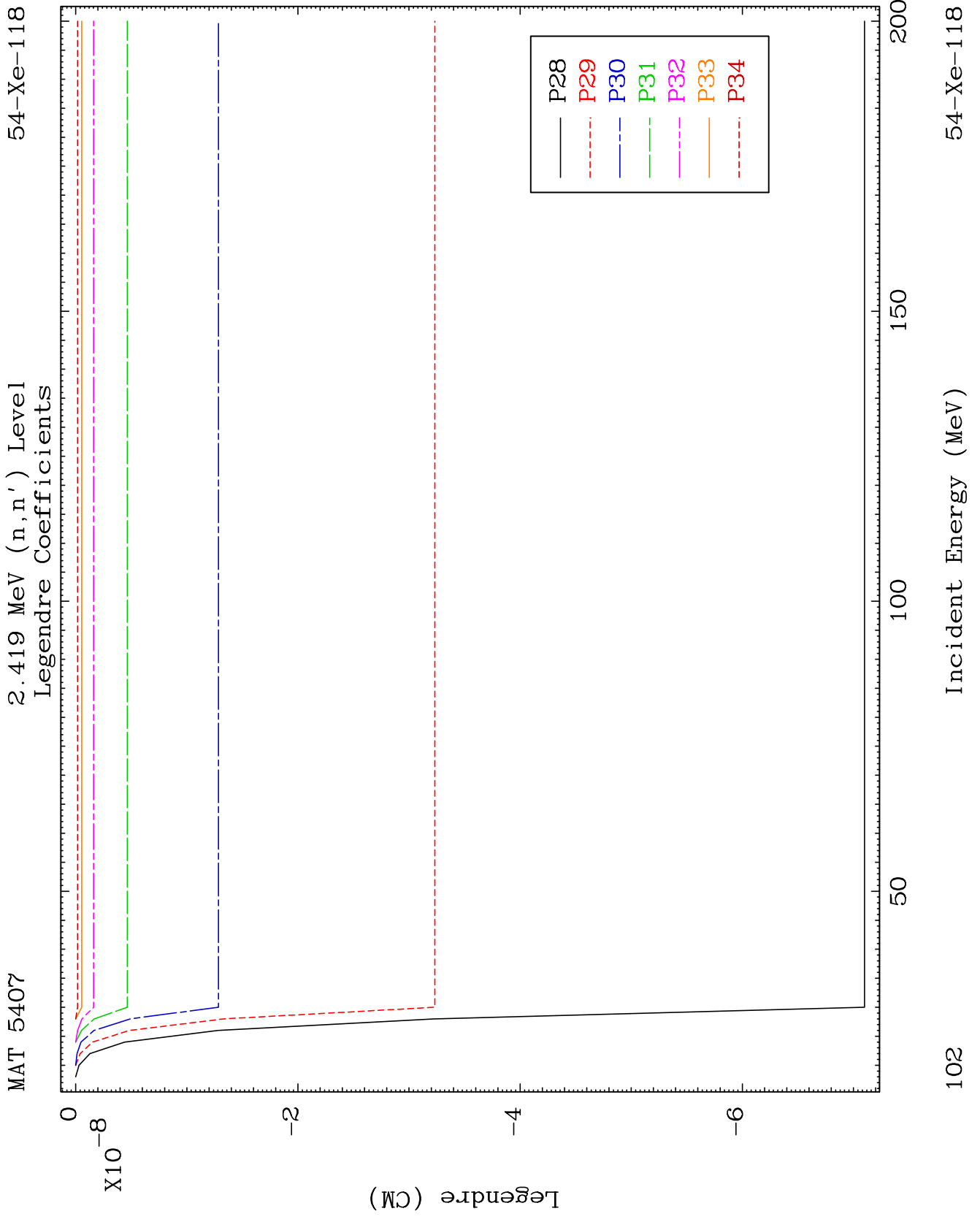
54-Xe-118



54-Xe-118

Incident Energy (MeV)

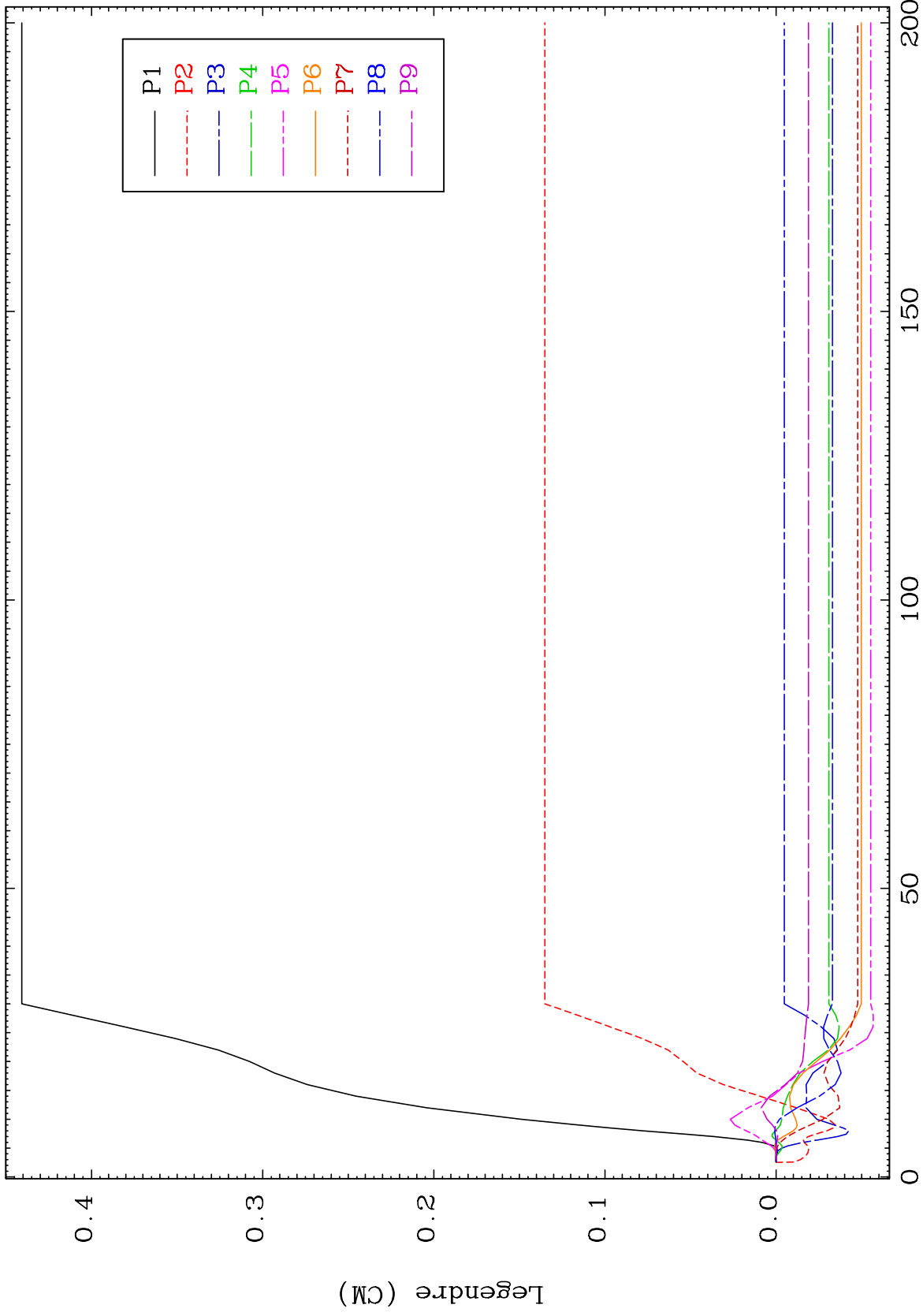




MAT 5407

2.487 MeV (n,n') Level
Legendre Coefficients

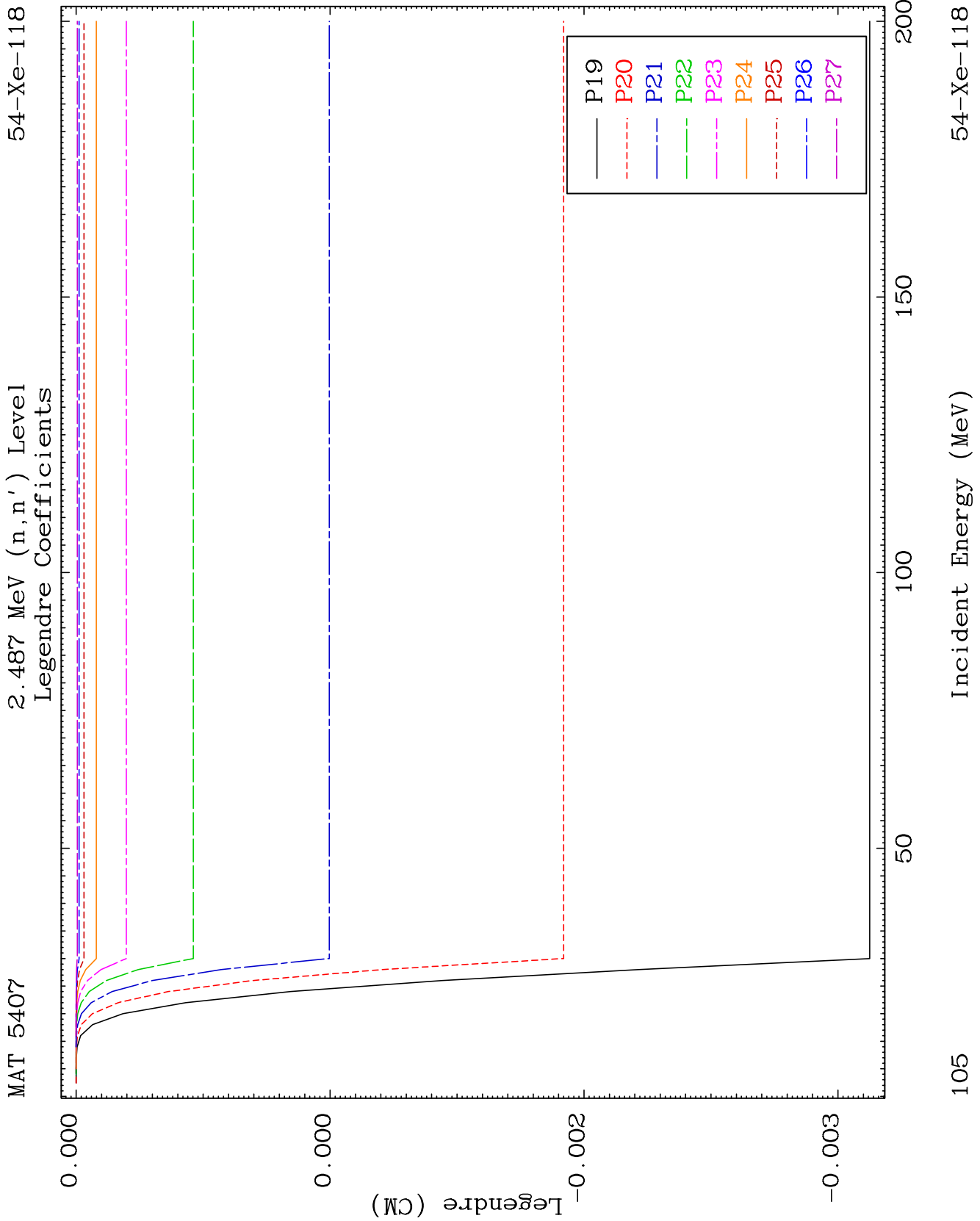
54-Xe-118

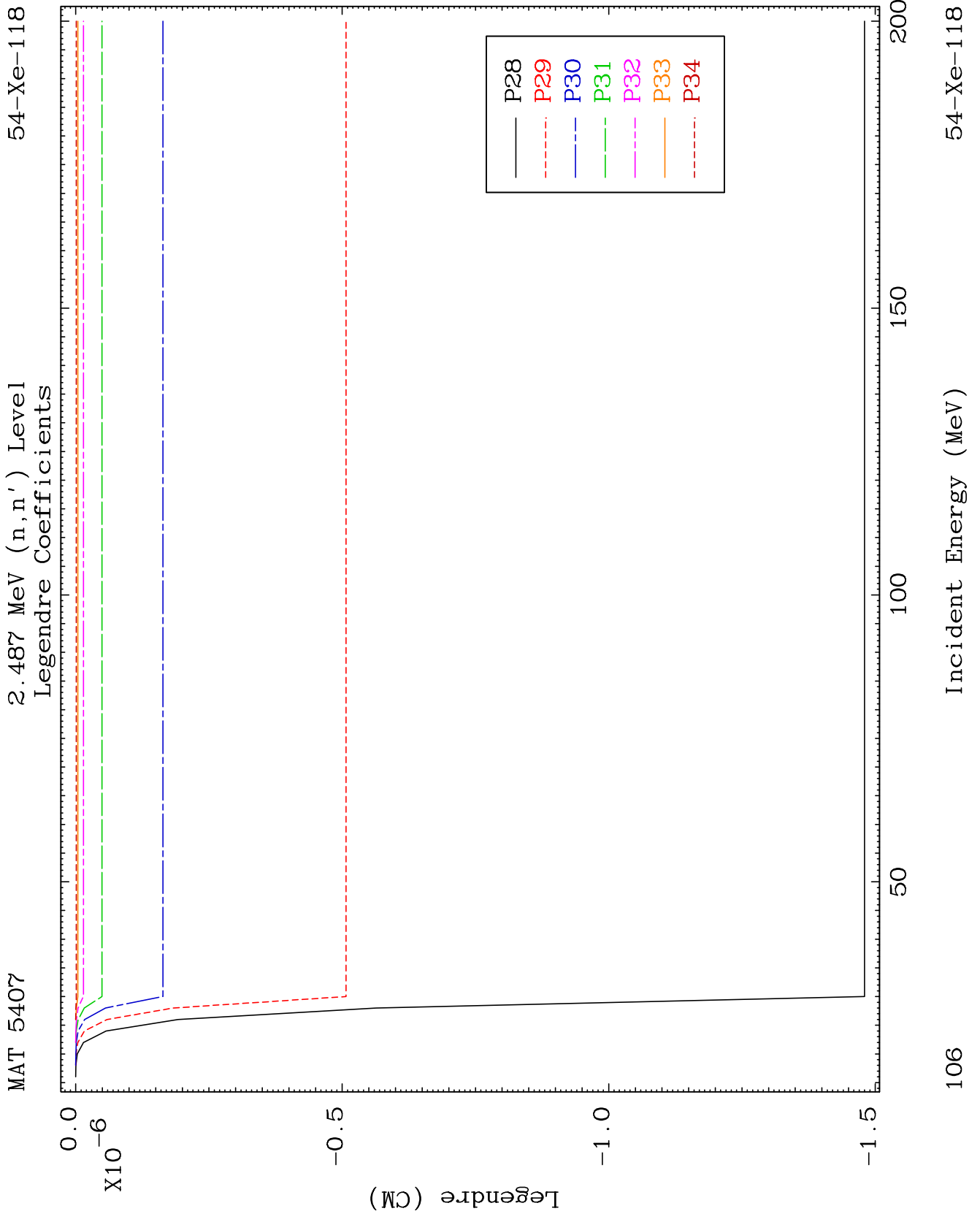


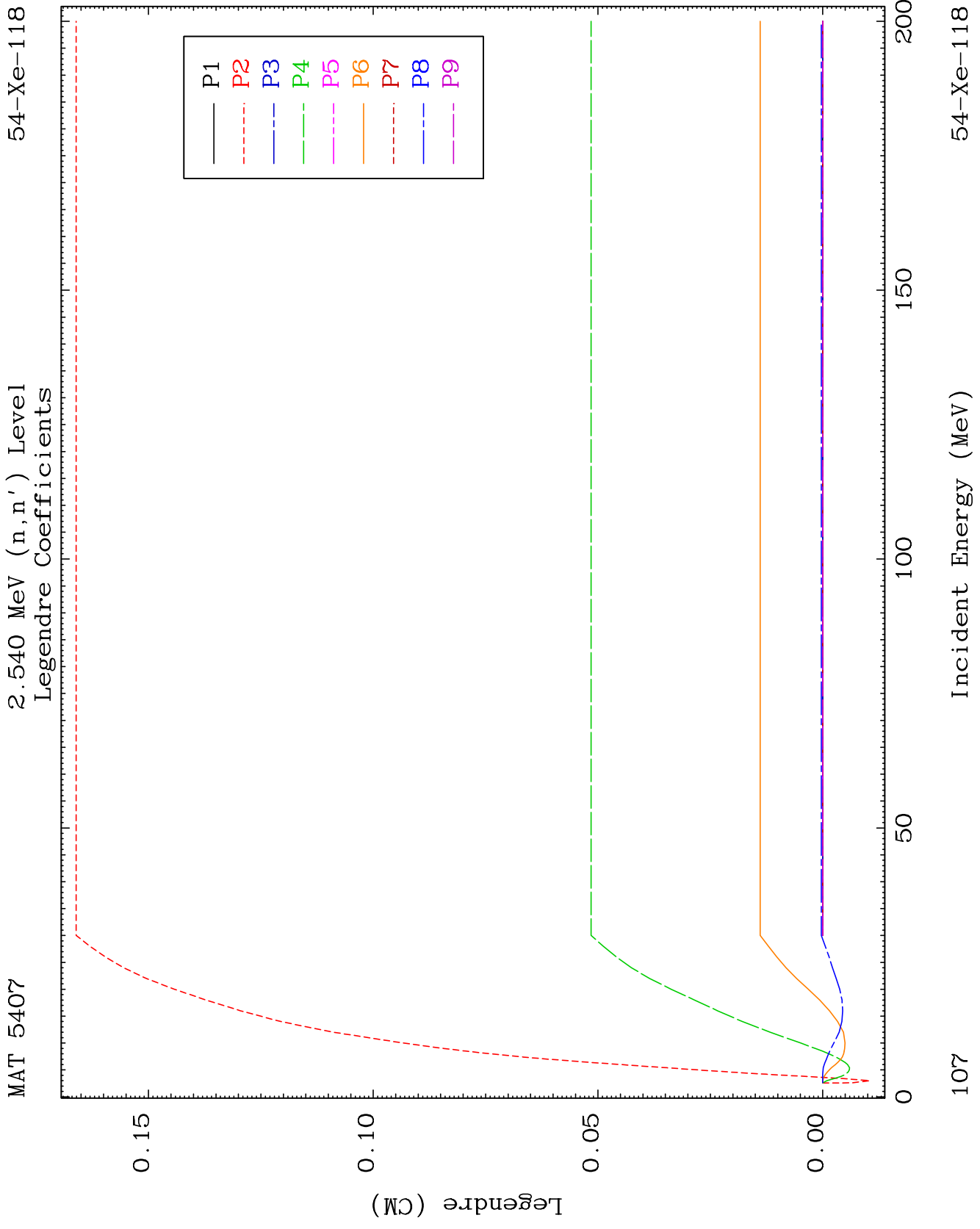
103

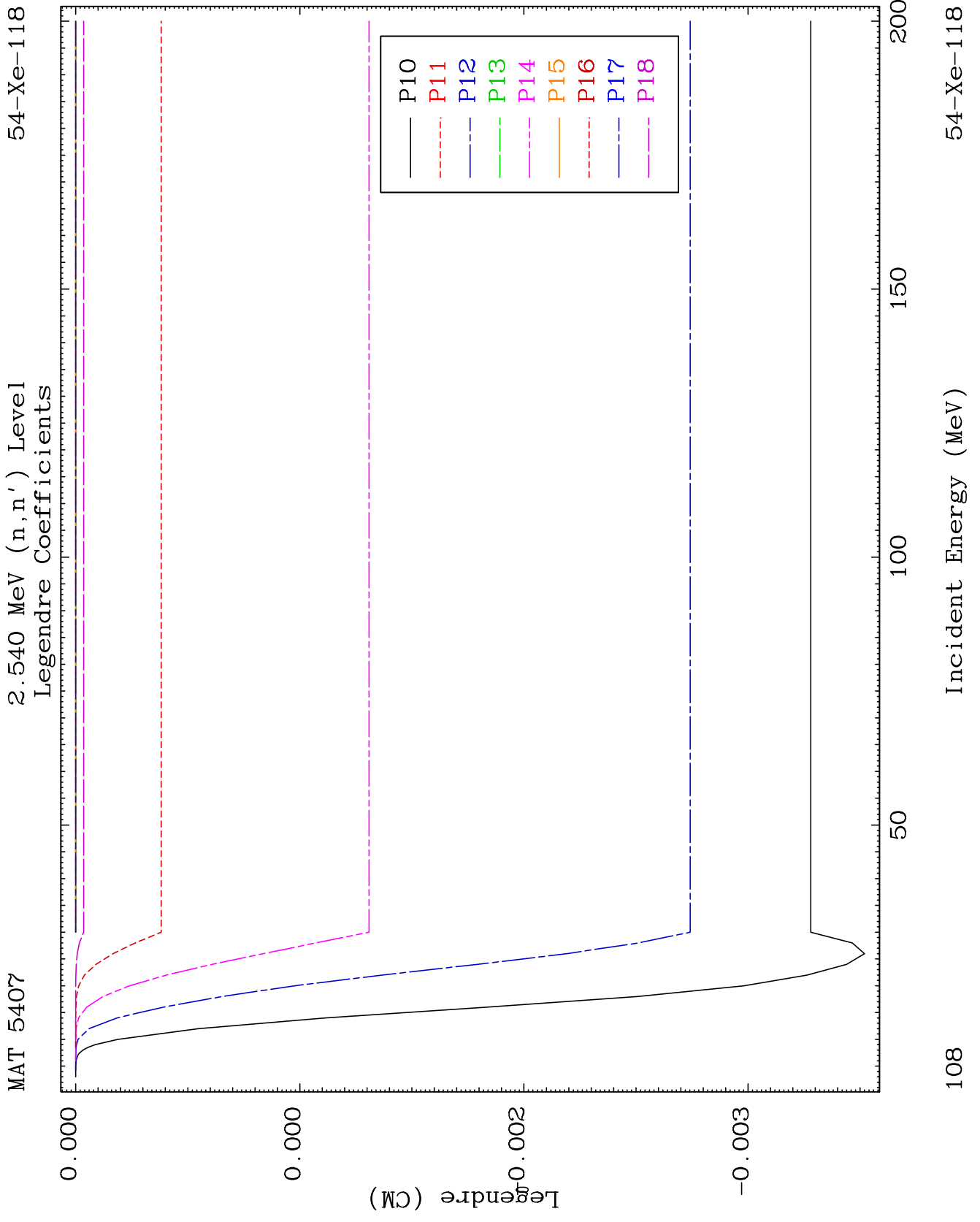
Incident Energy (MeV)

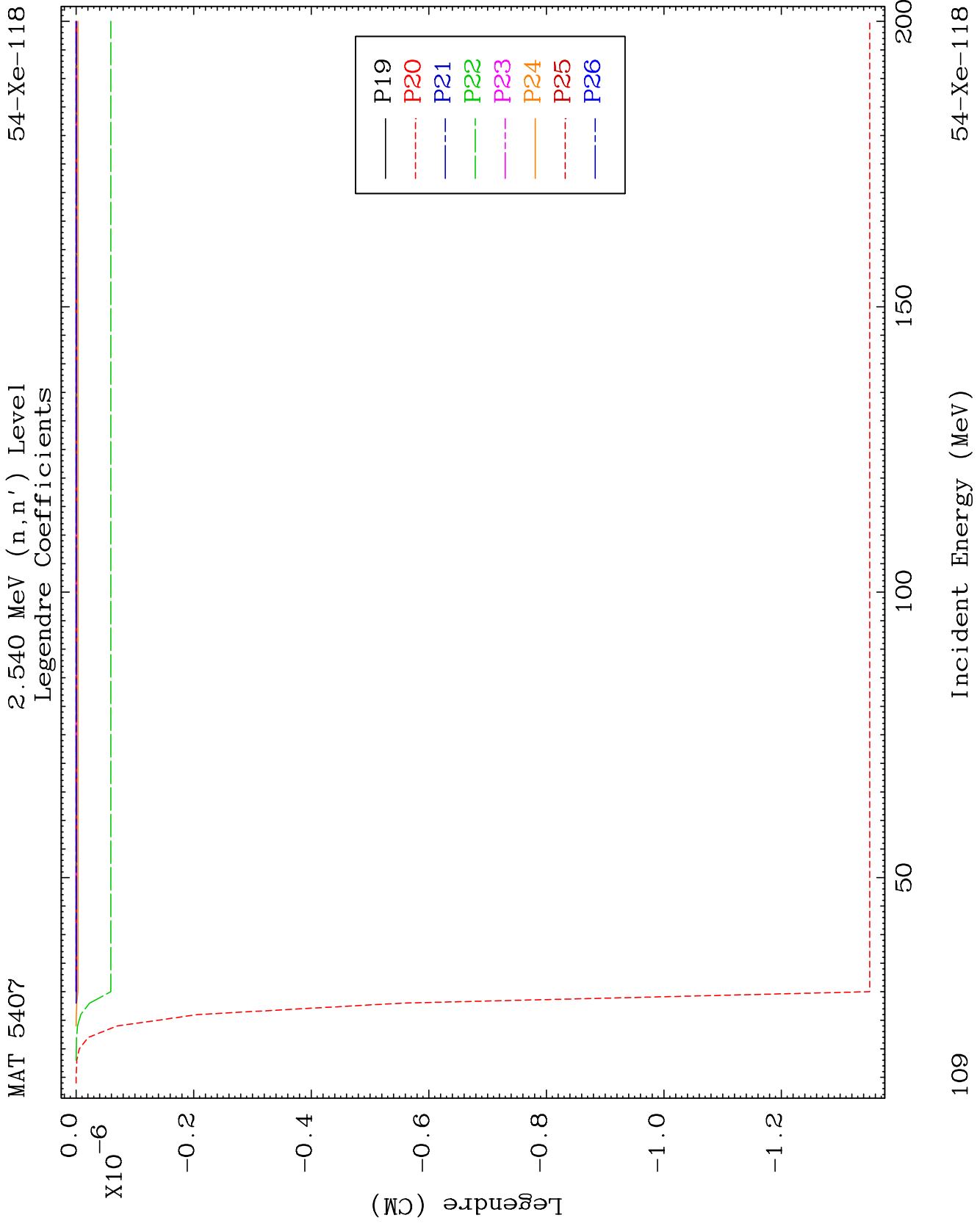
54-Xe-118







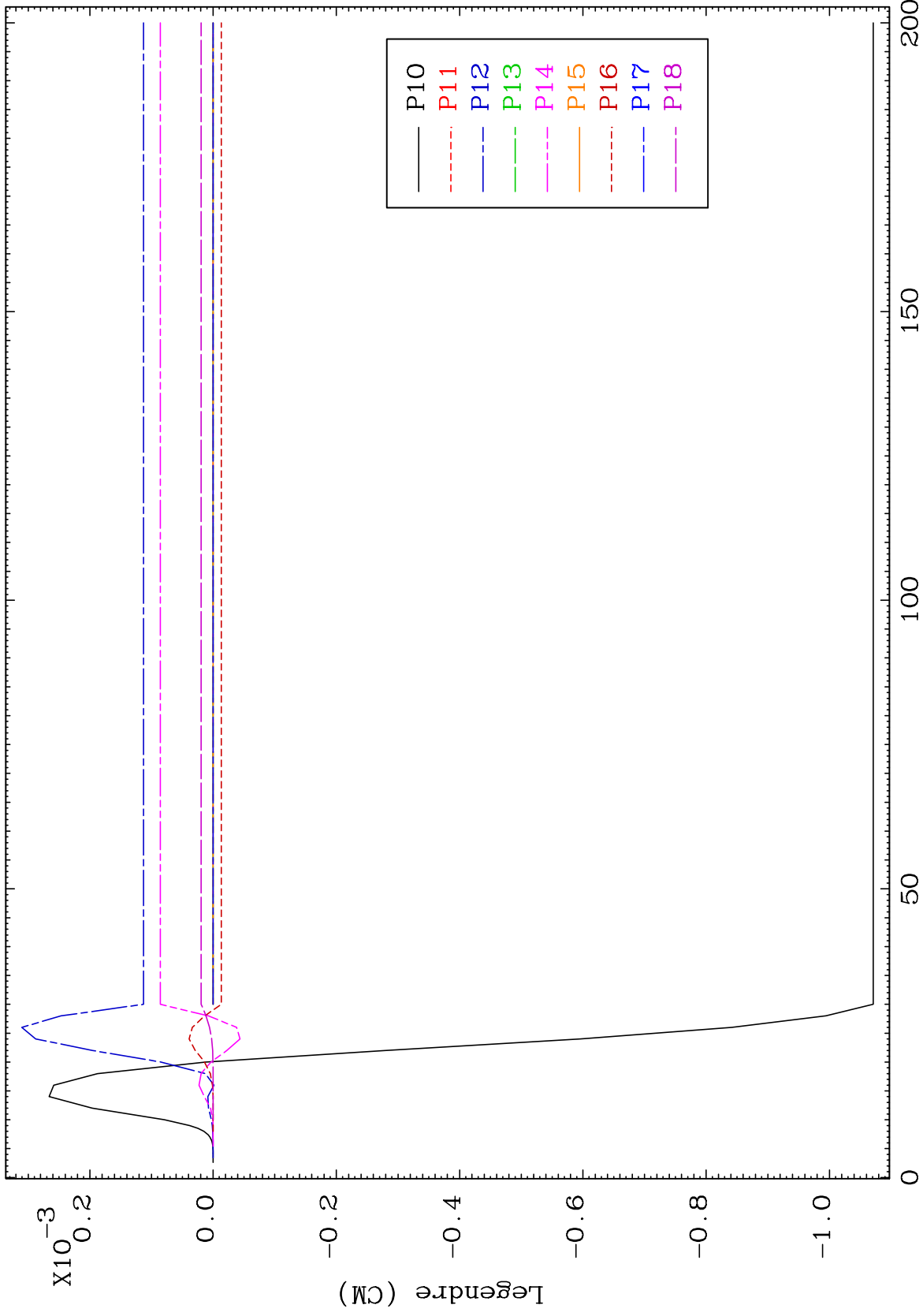




MAT 5407

2.560 MeV (n, n') Level
Legendre Coefficients

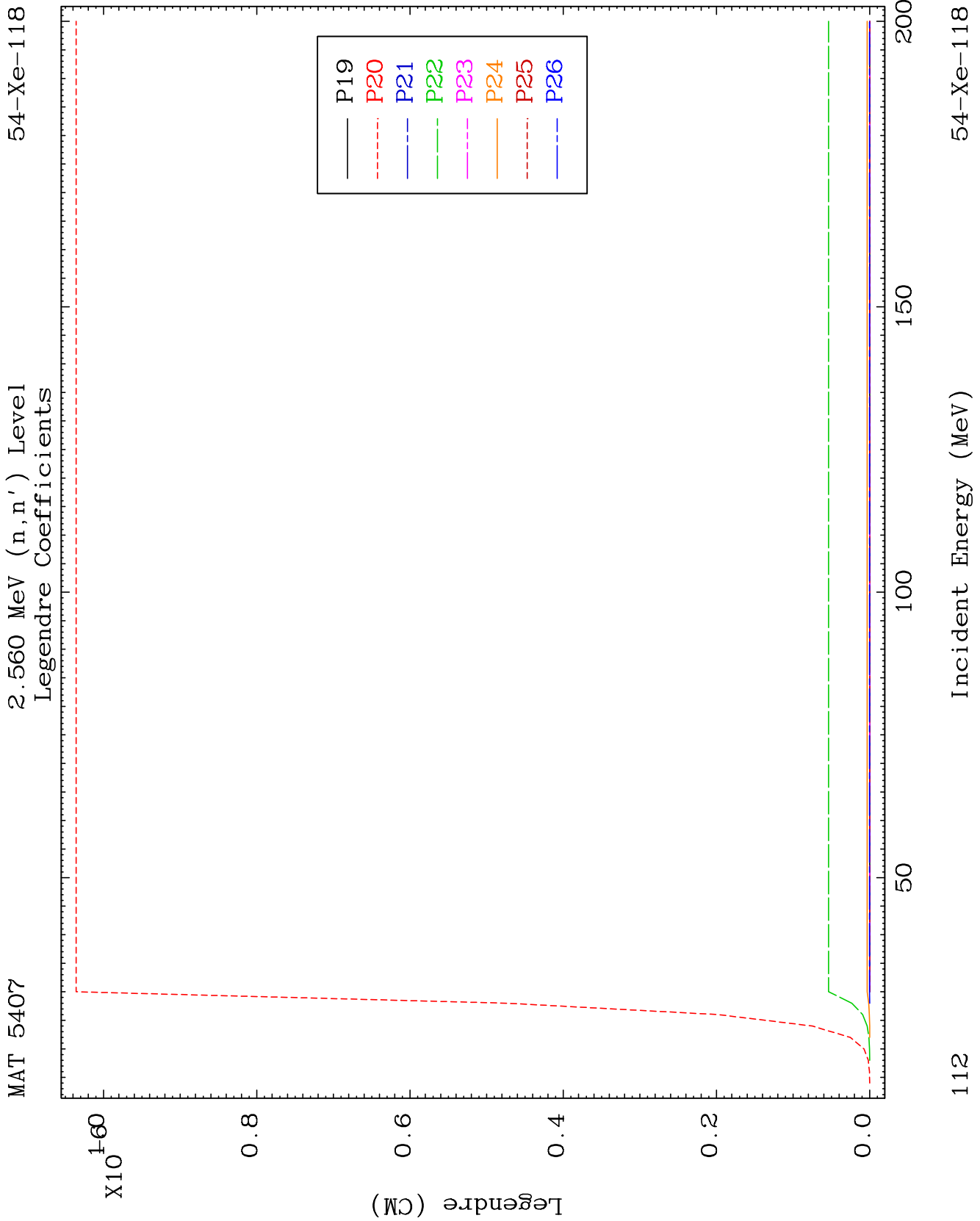
54-Xe-118



111

Incident Energy (MeV)

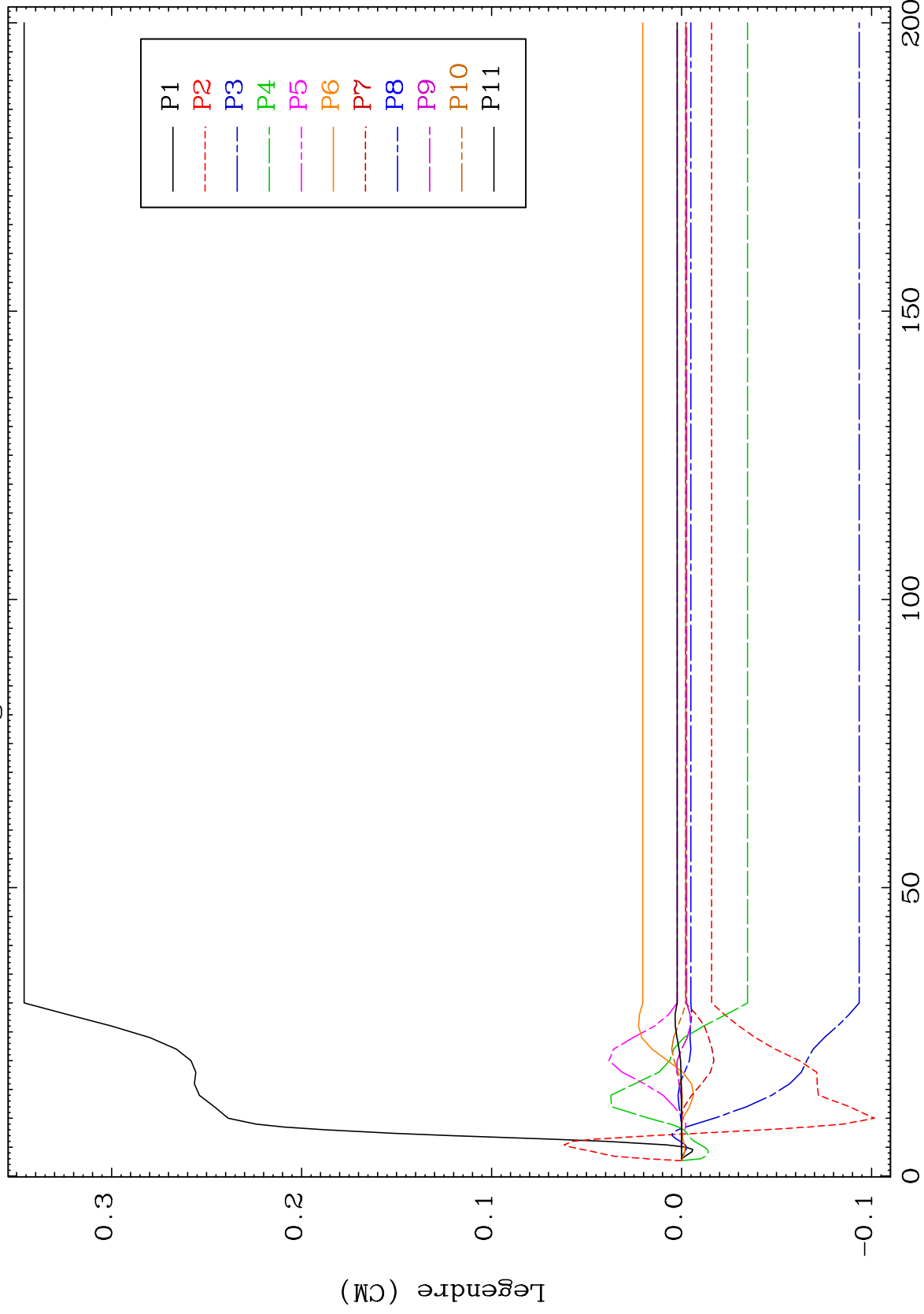
54-Xe-118



MAT 5407

2.624 MeV (n,n') Level
Legendre Coefficients

54-Xe-118



113

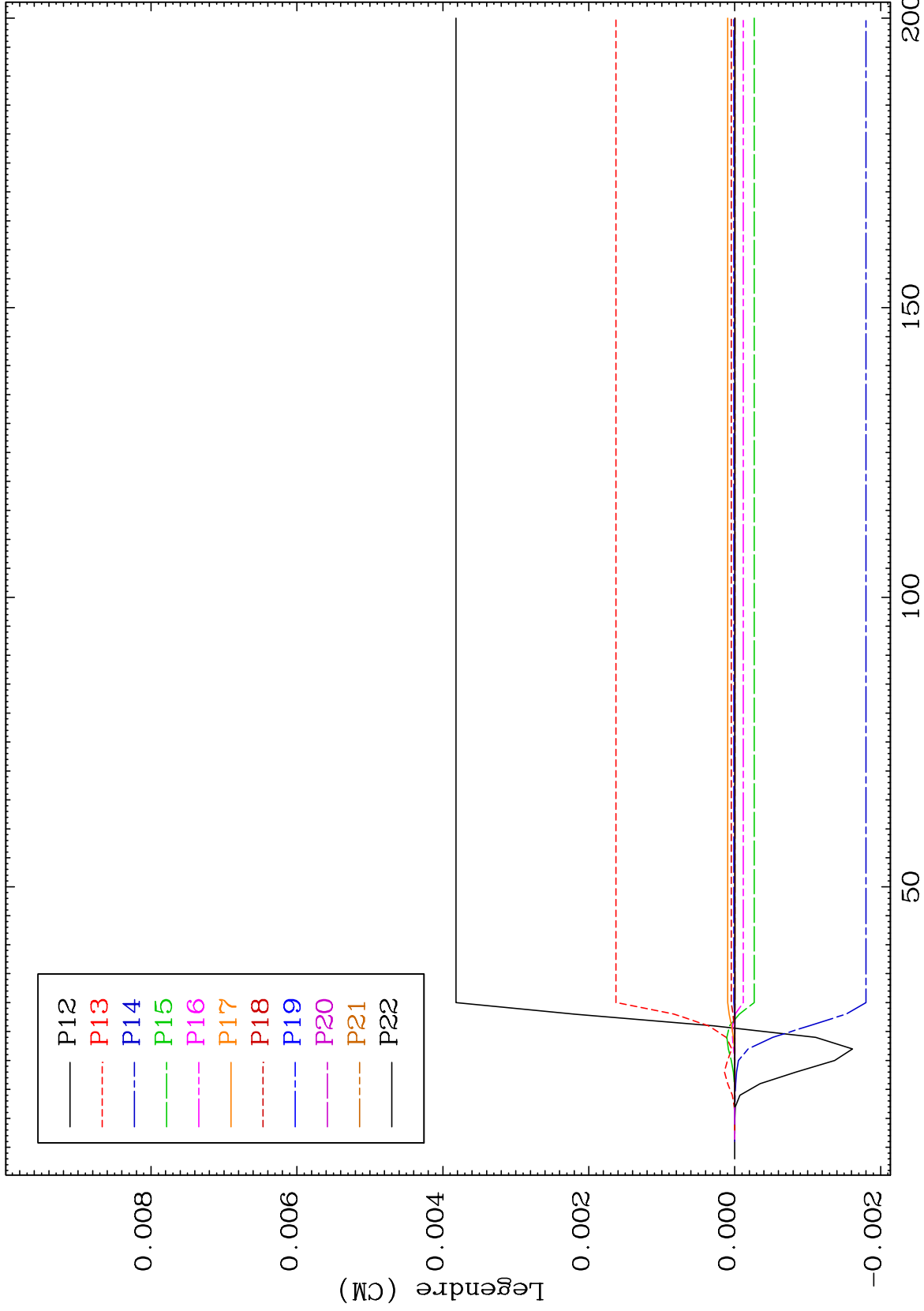
Incident Energy (MeV)

54-Xe-118

MAT 5407

2.624 MeV (n, n') Level
Legendre Coefficients

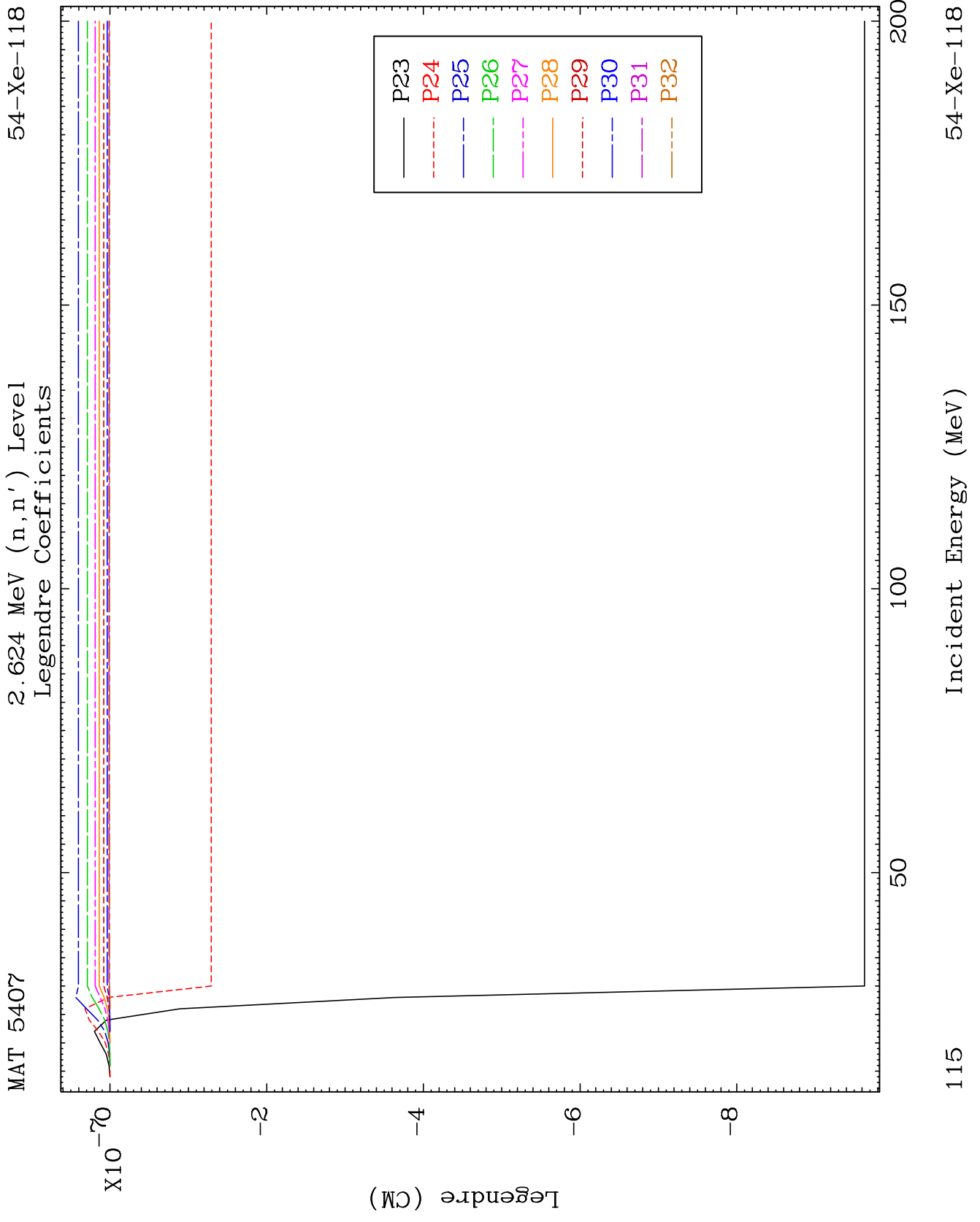
54-Xe-118



114

Incident Energy (MeV)

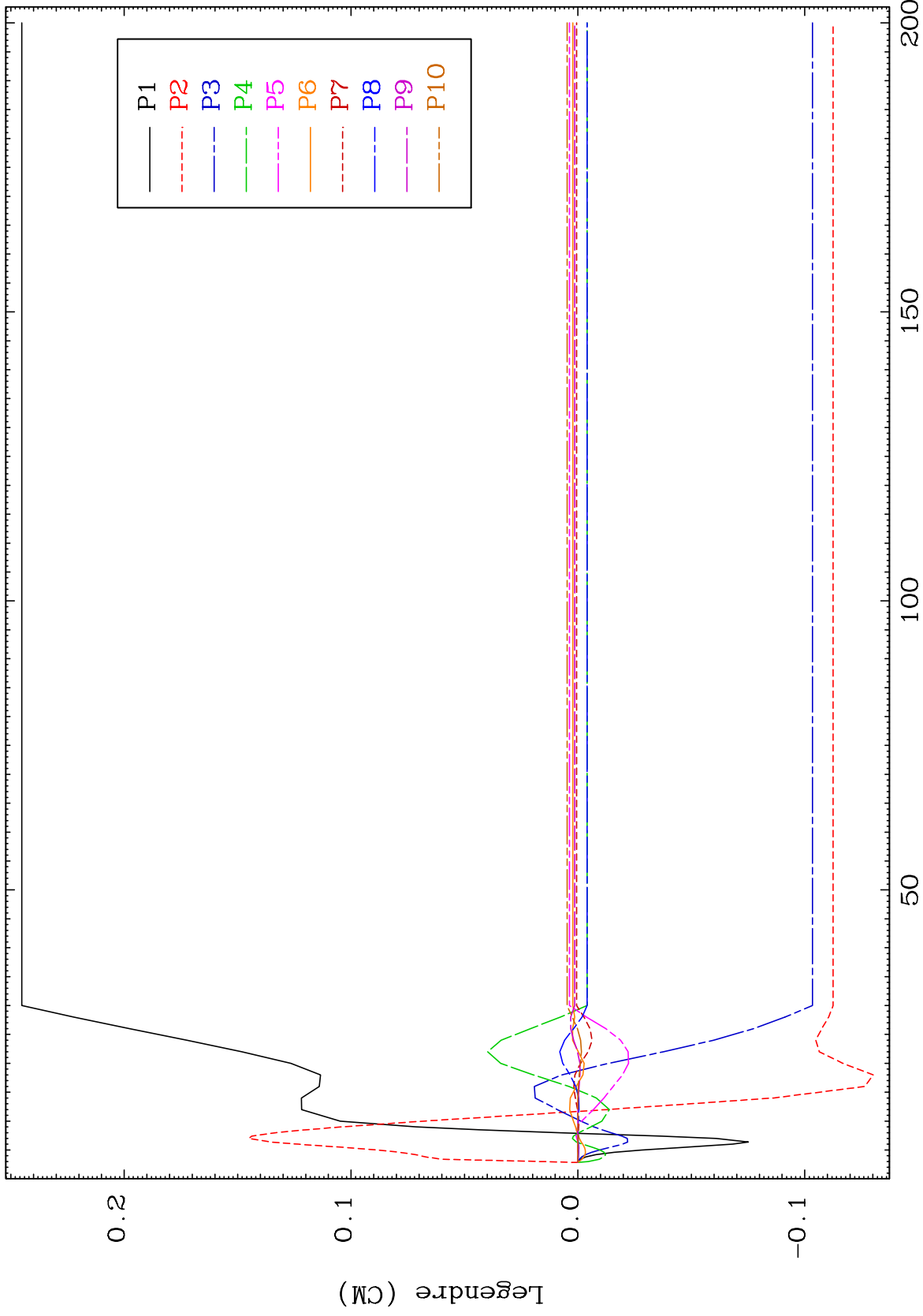
54-Xe-118



MAT 5407

2.816 MeV (n,n') Level
Legendre Coefficients

54-Xe-118



116

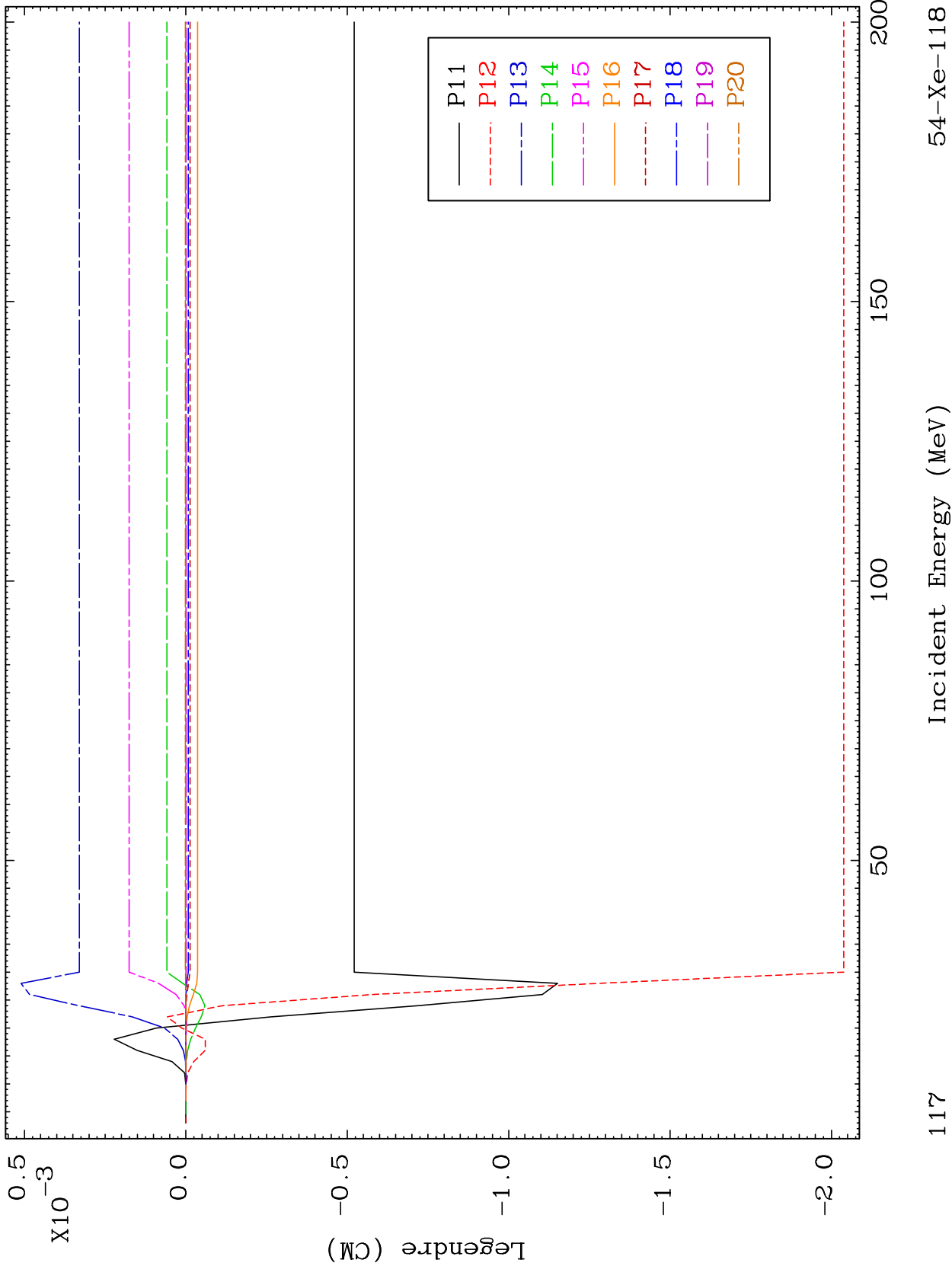
Incident Energy (MeV)

54-Xe-118

MAT 5407

2.816 MeV (n,n') Level
Legendre Coefficients

54-Xe-118



117

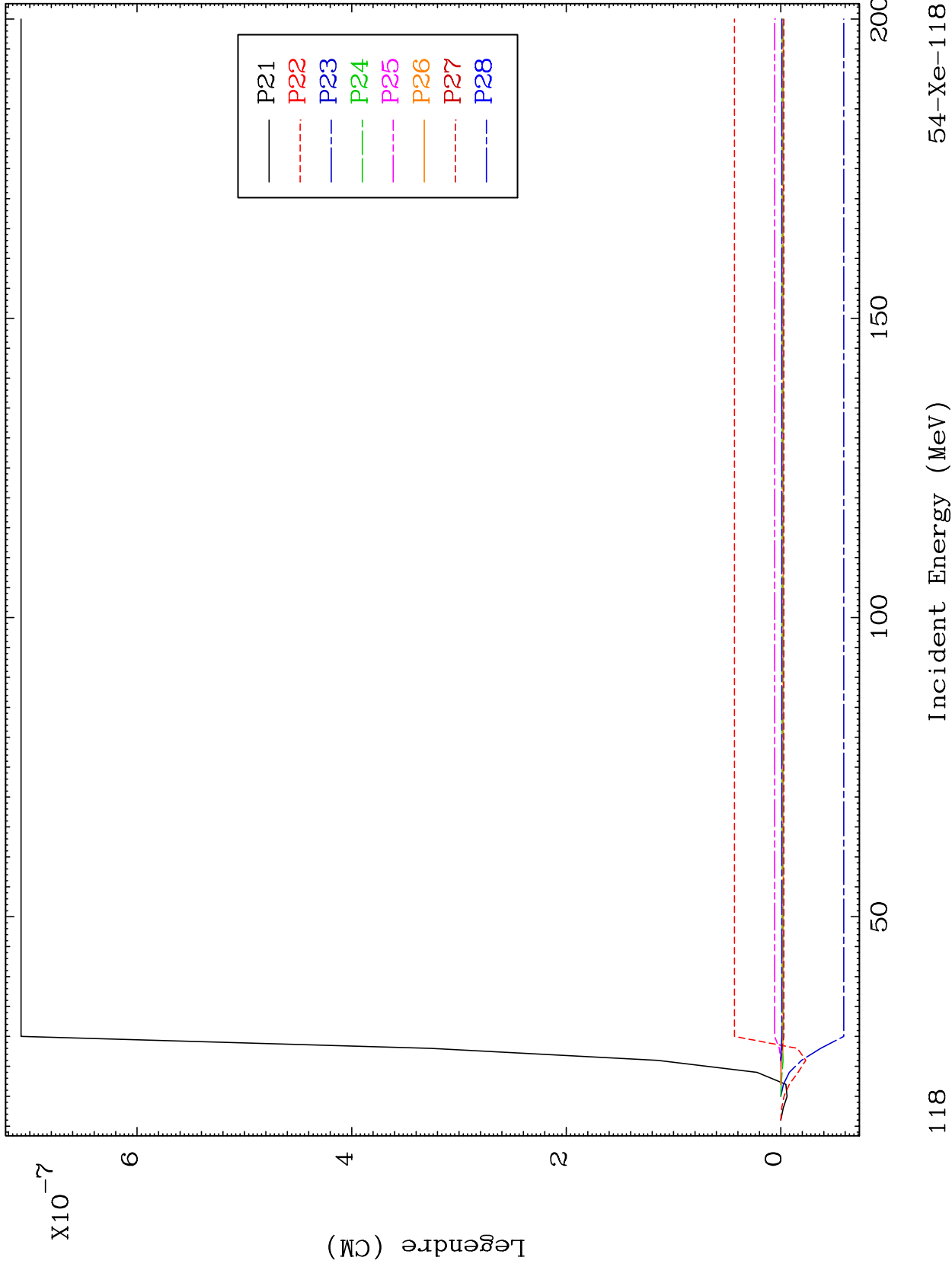
Incident Energy (MeV)

54-Xe-118

MAT 5407

2.816 MeV (n,n') Level
Legendre Coefficients

54-Xe-118



54-Xe-118

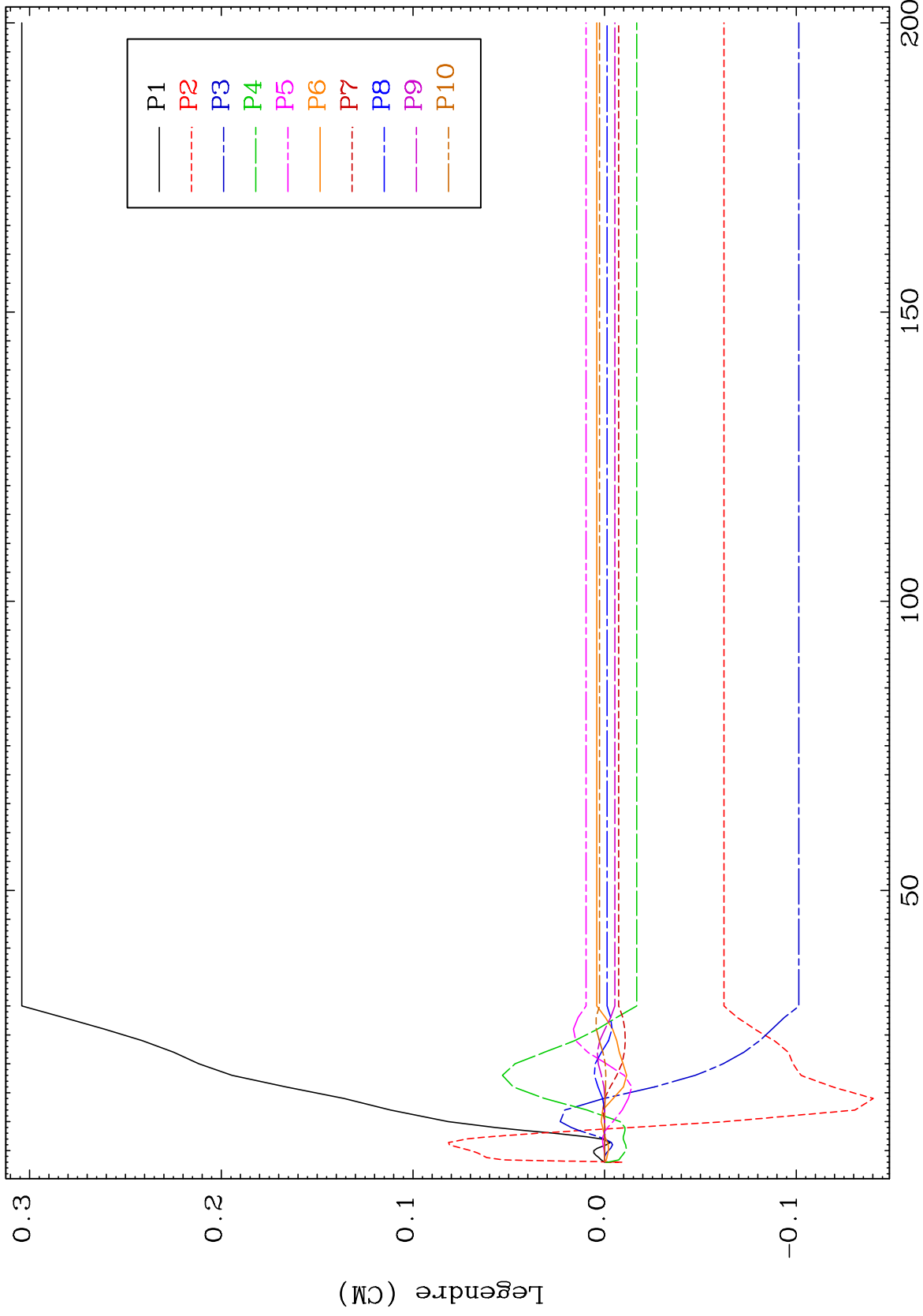
Incident Energy (MeV)

118

MAT 5407

2.919 MeV (n,n') Level
Legendre Coefficients

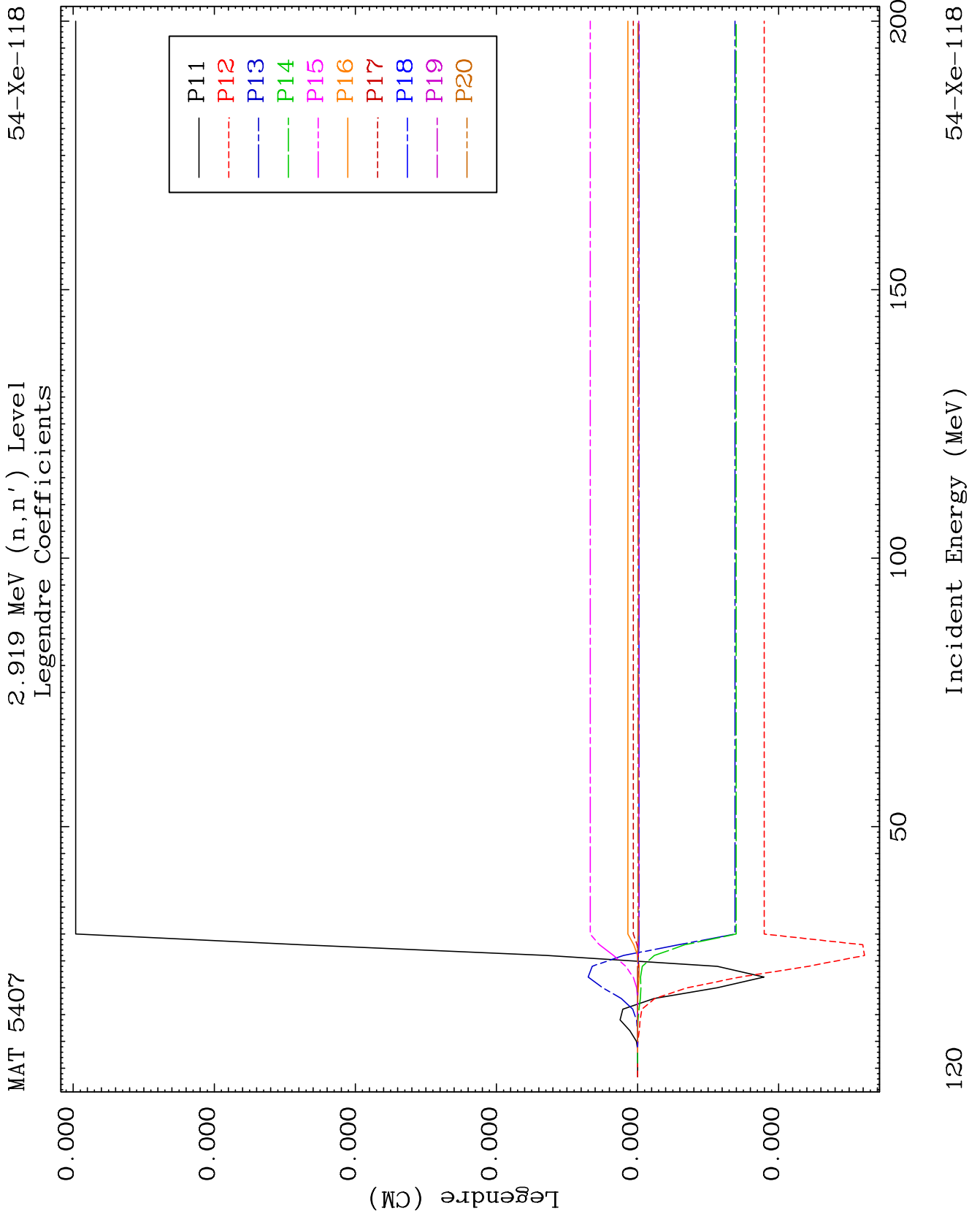
54-Xe-118

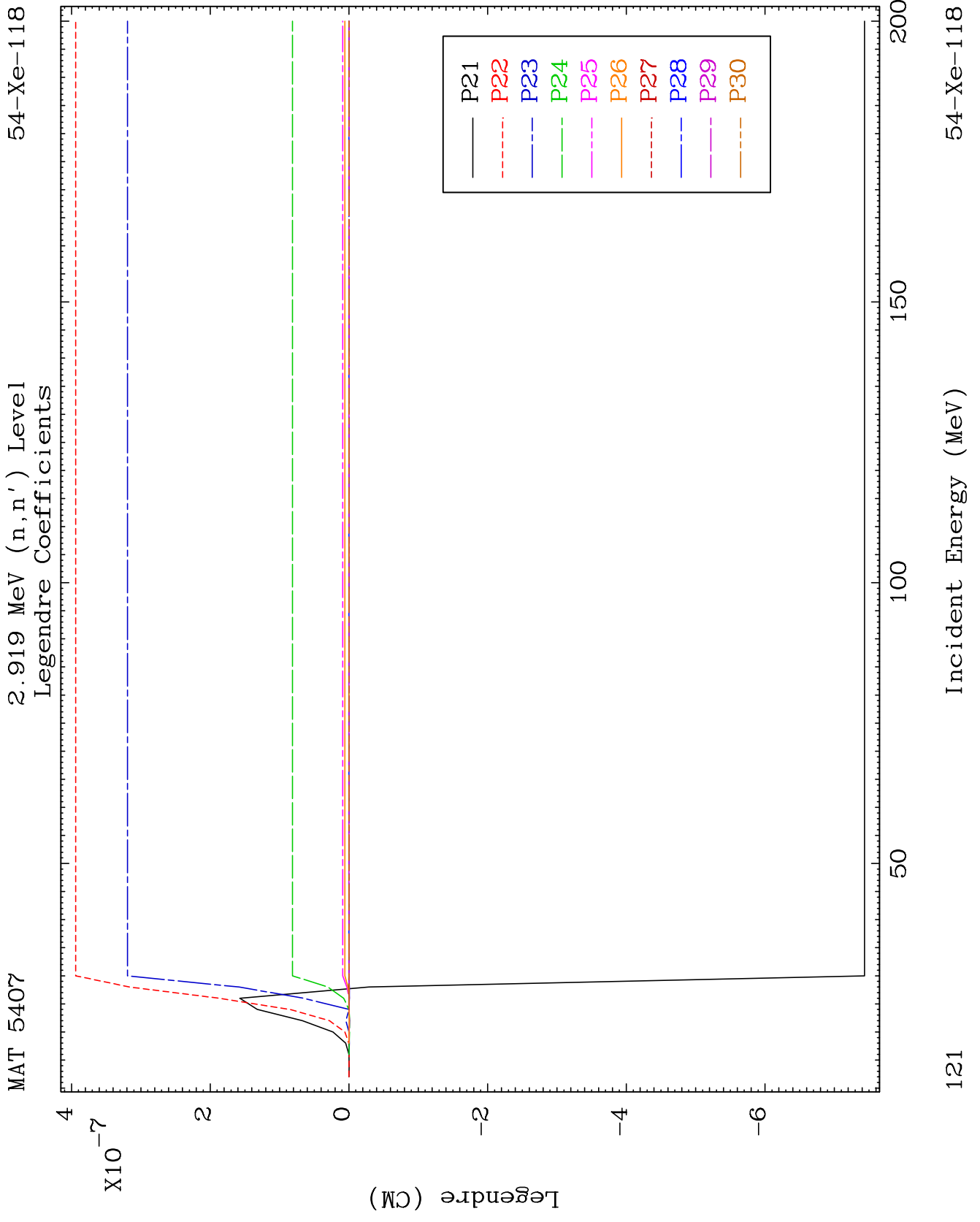


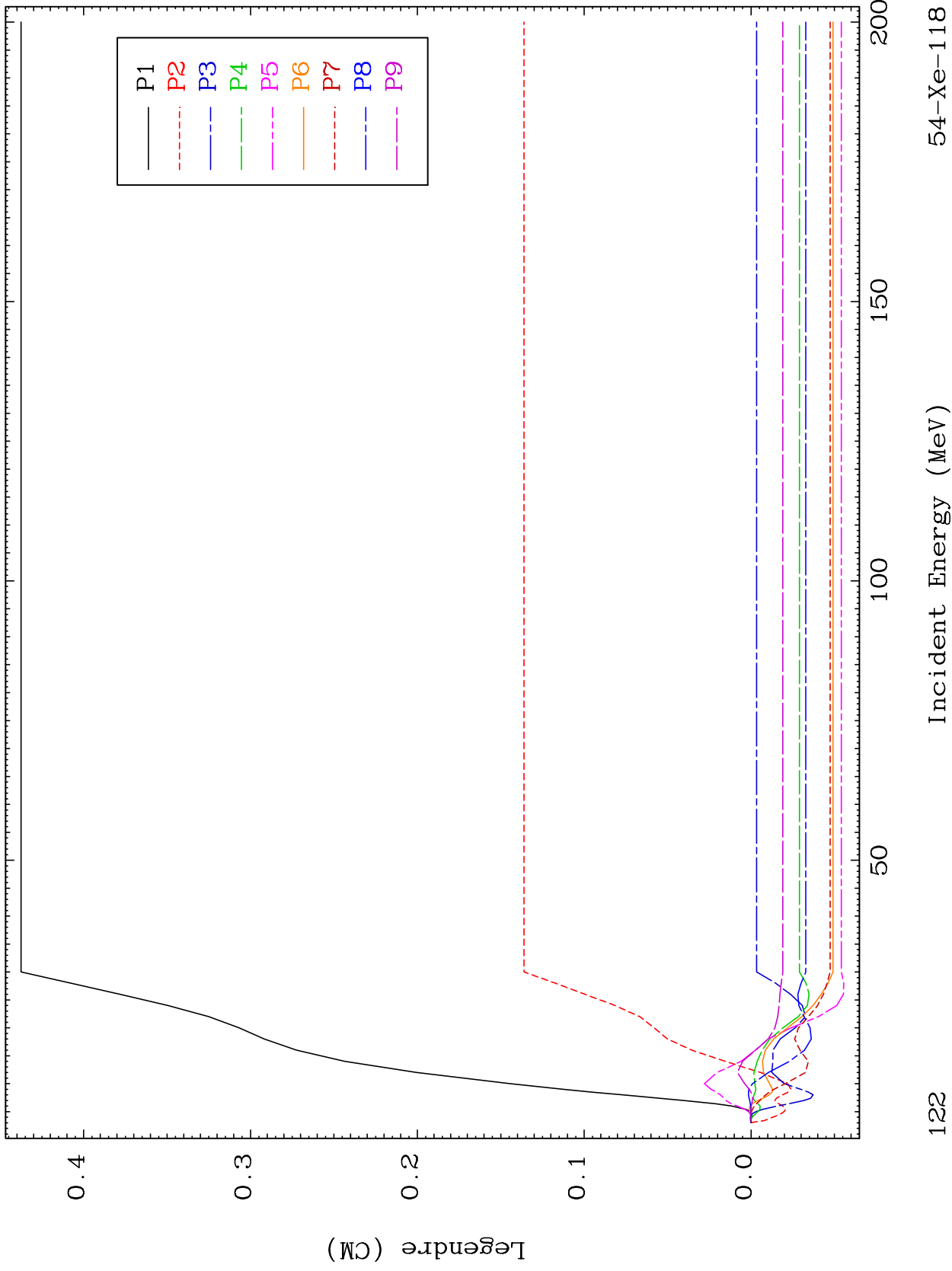
119

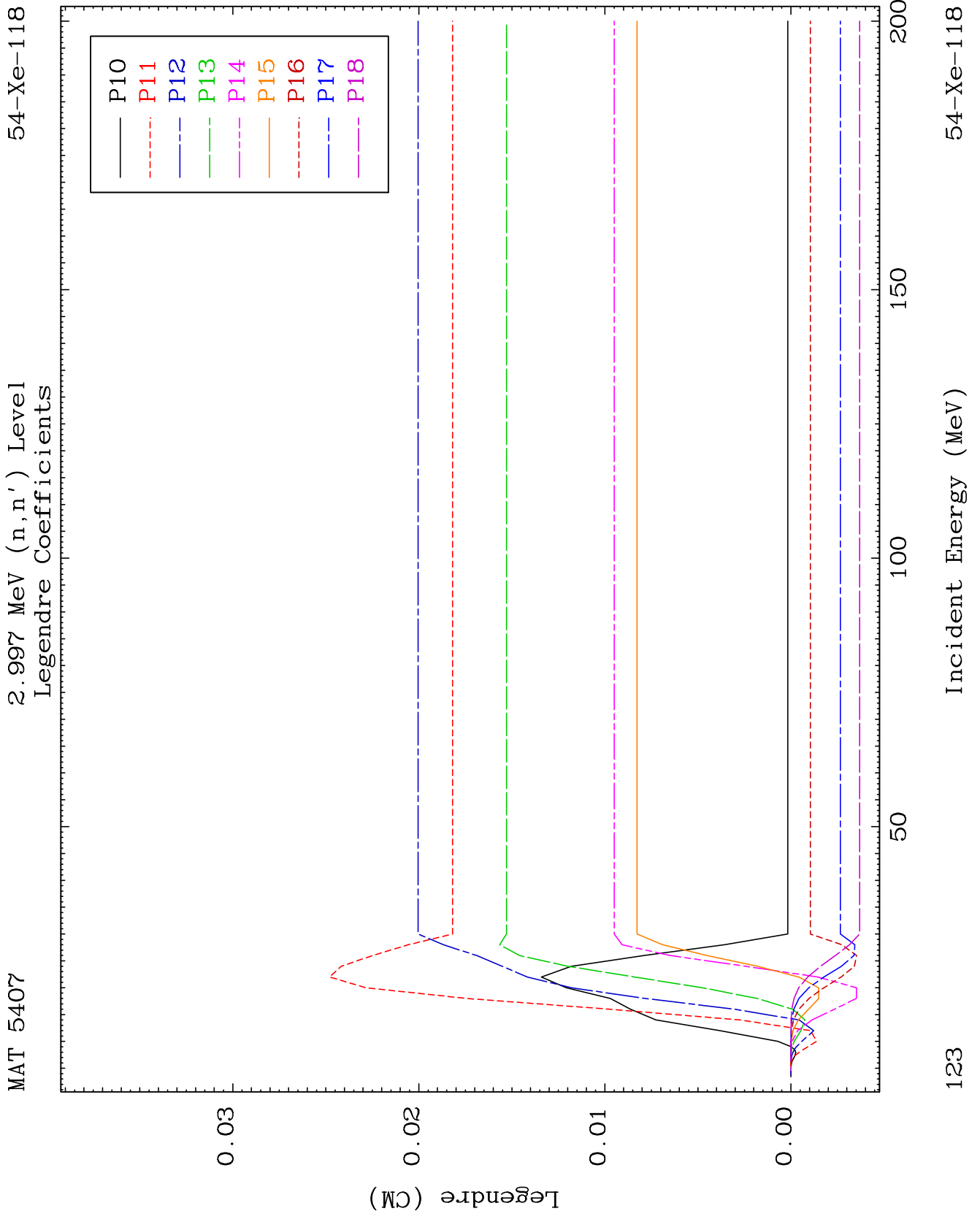
Incident Energy (MeV)

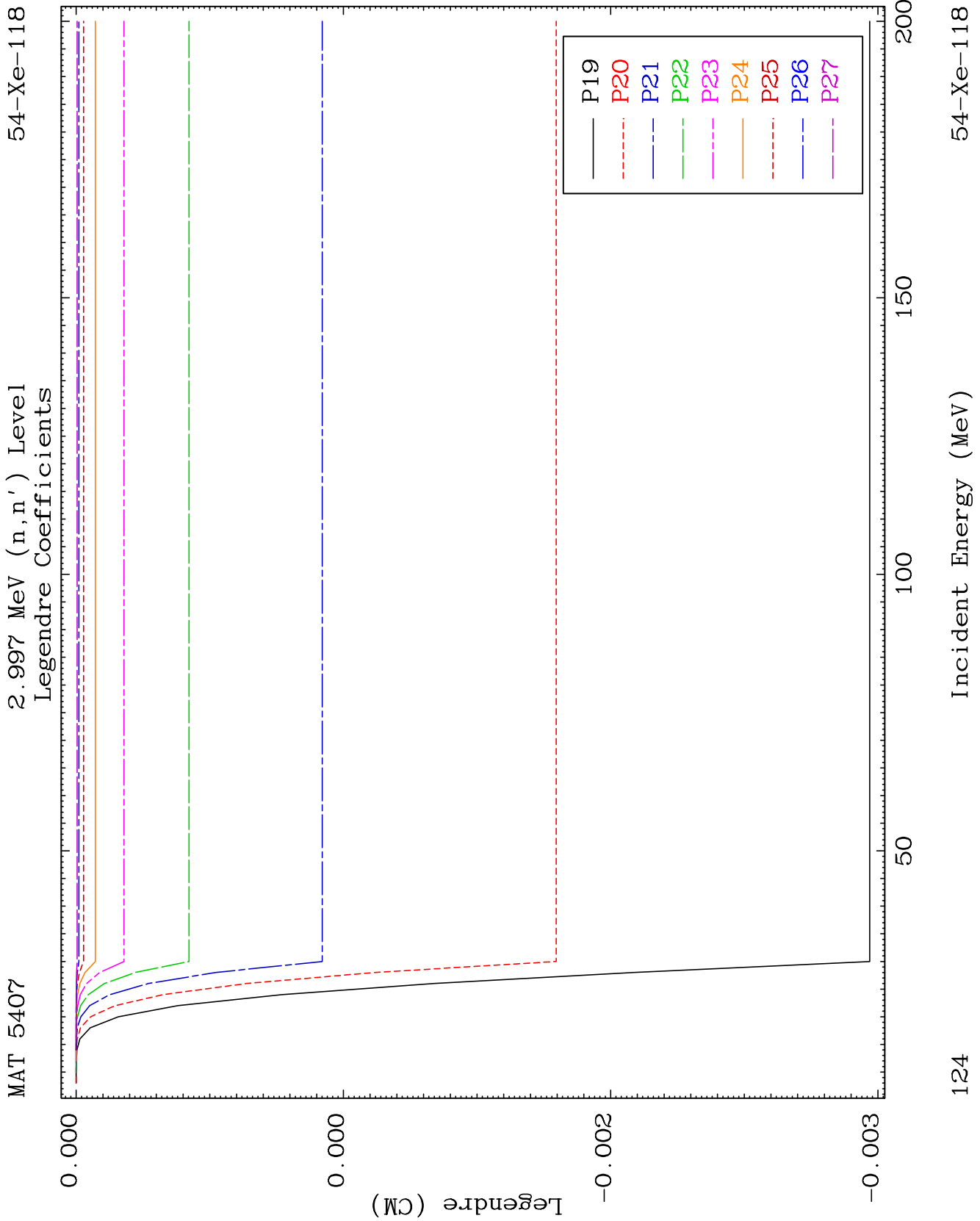
54-Xe-118

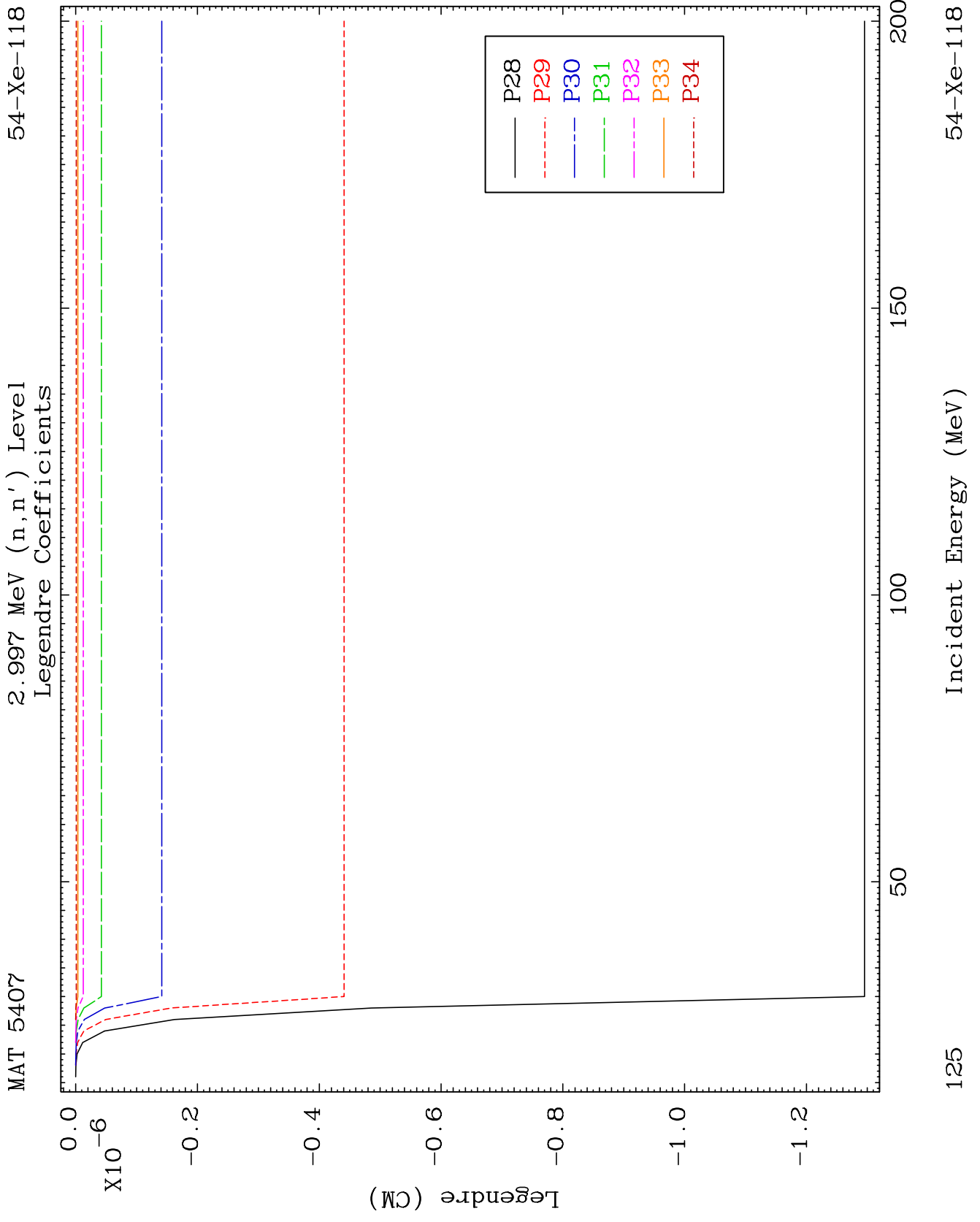




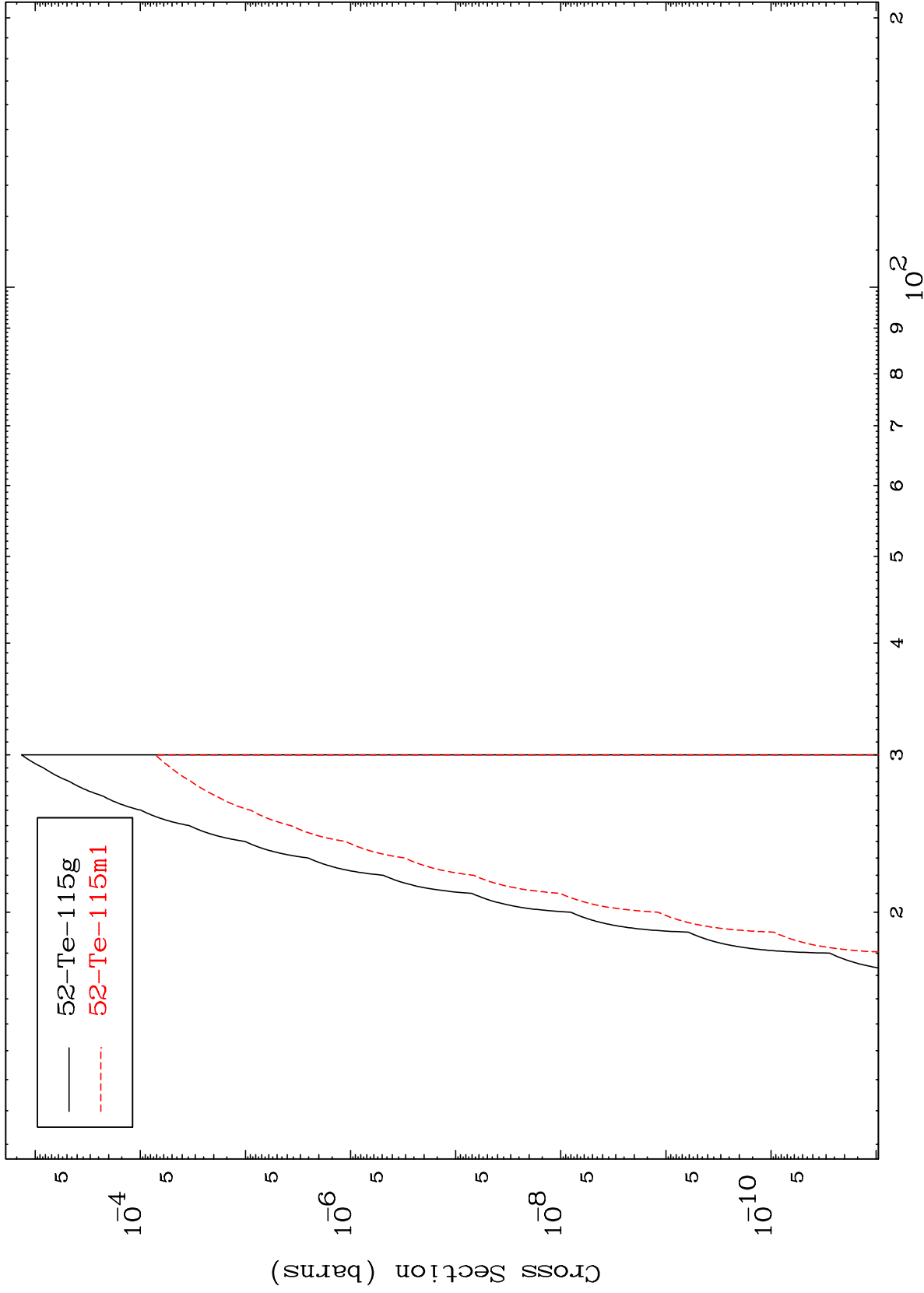








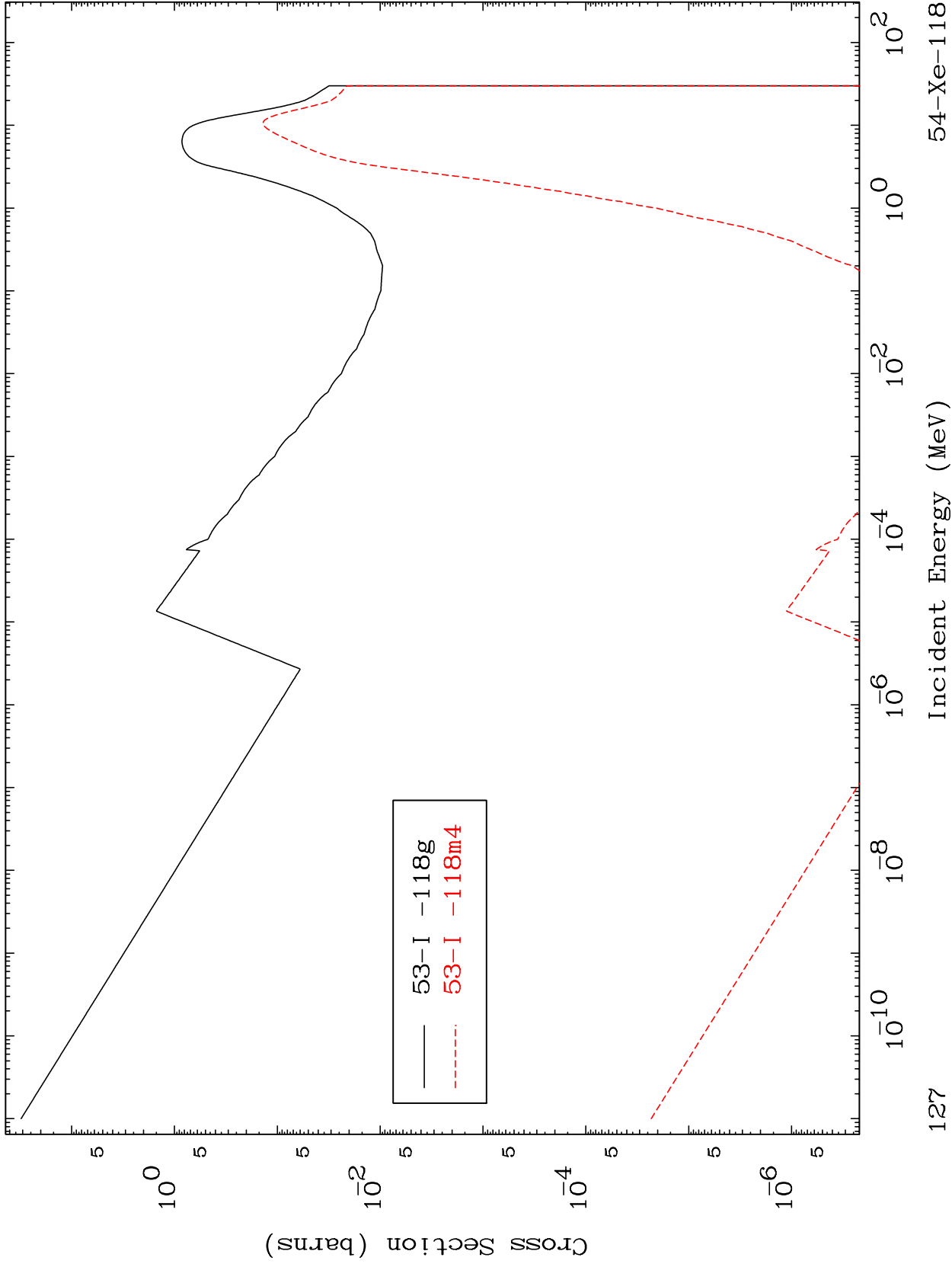
Radionuclide Production Cross Section



MAT 5407

54-Xe-118

Radionuclide Production Cross Section

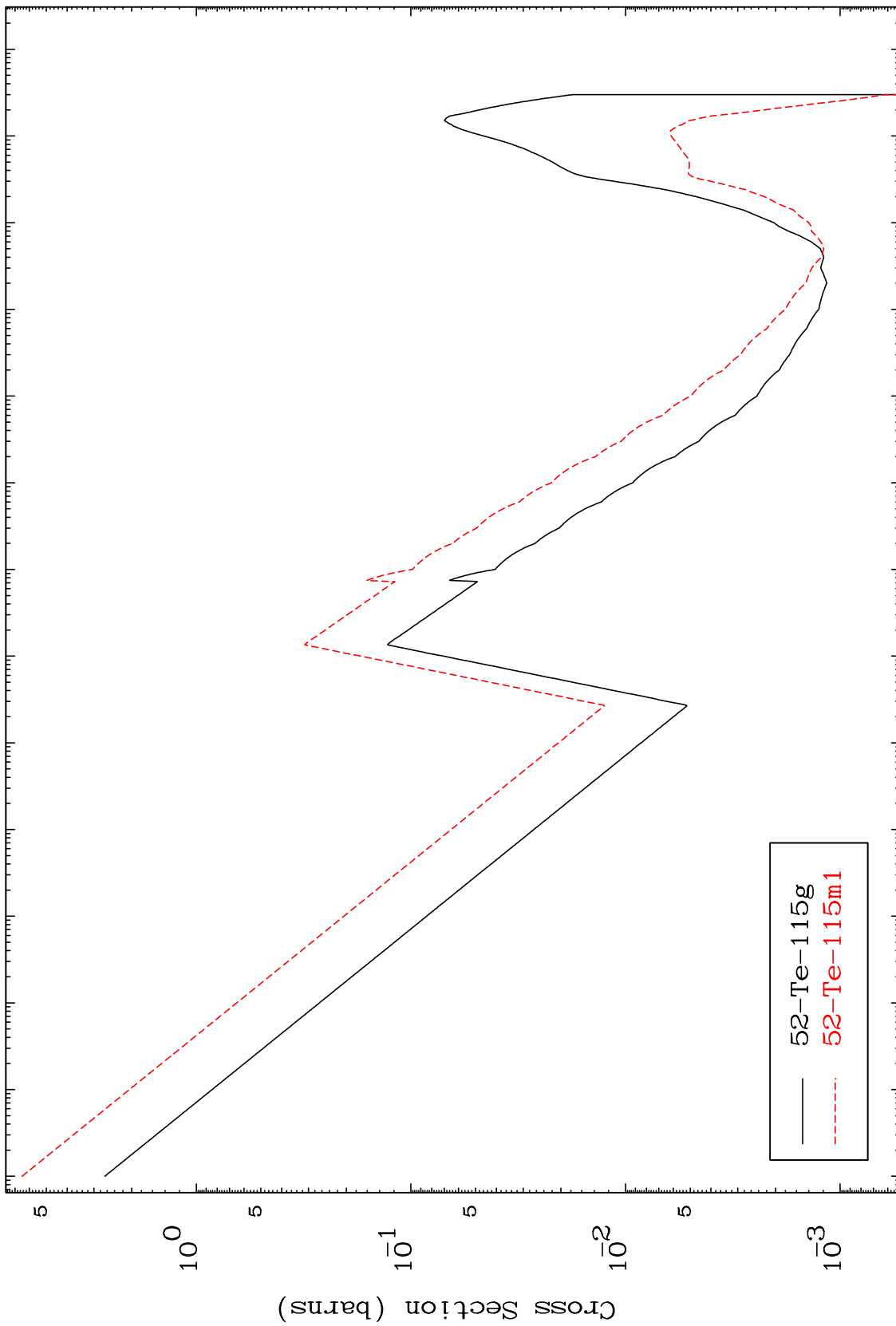


MAT 5407

54-Xe-118

Radionuclide Production Cross Section

(n, α)



128

54-Xe-118

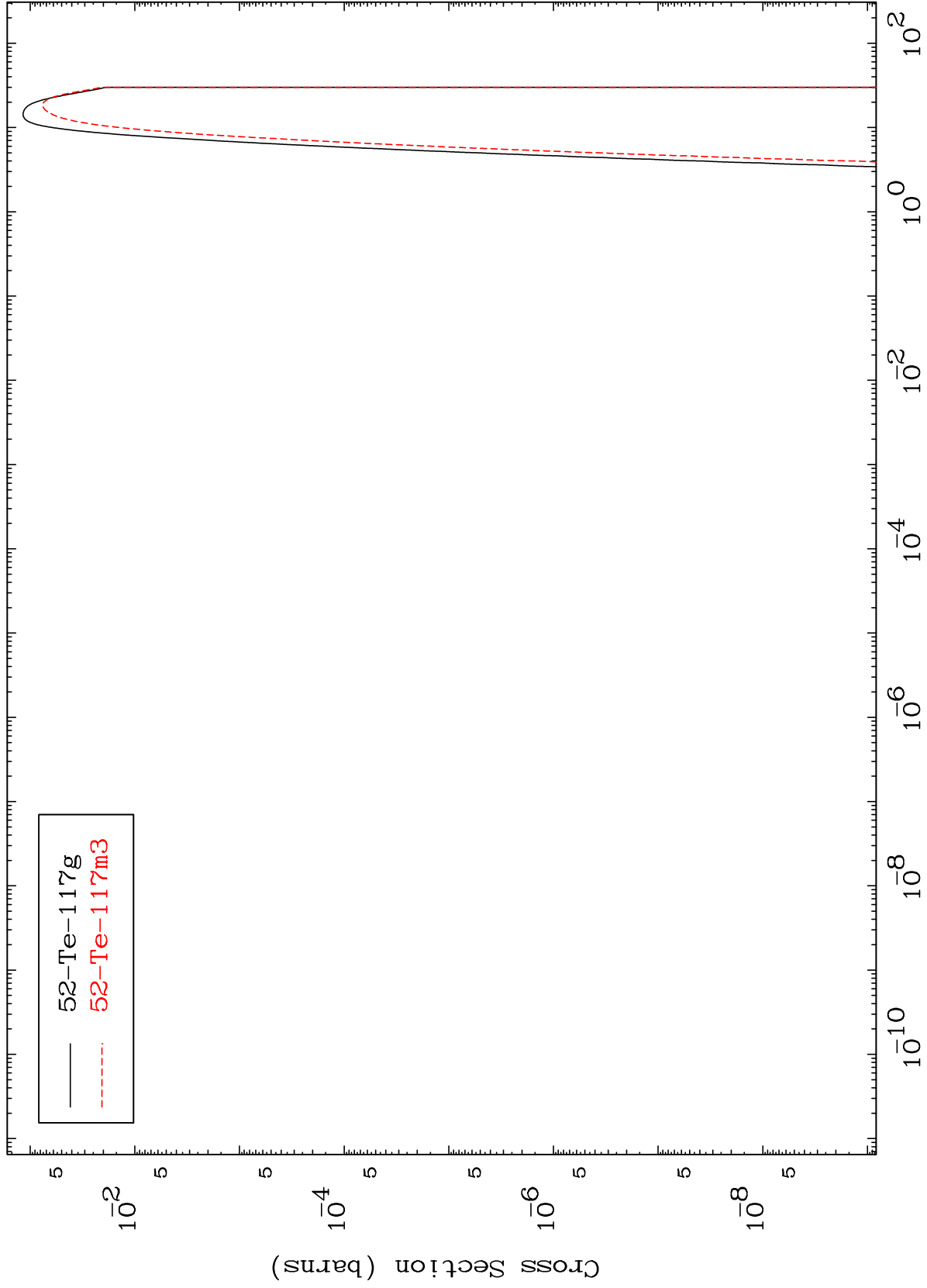
Incident Energy (MeV)

MAT 5407

(n,2p)

54-Xe-118

Radionuclide Production Cross Section



129

Incident Energy (MeV)

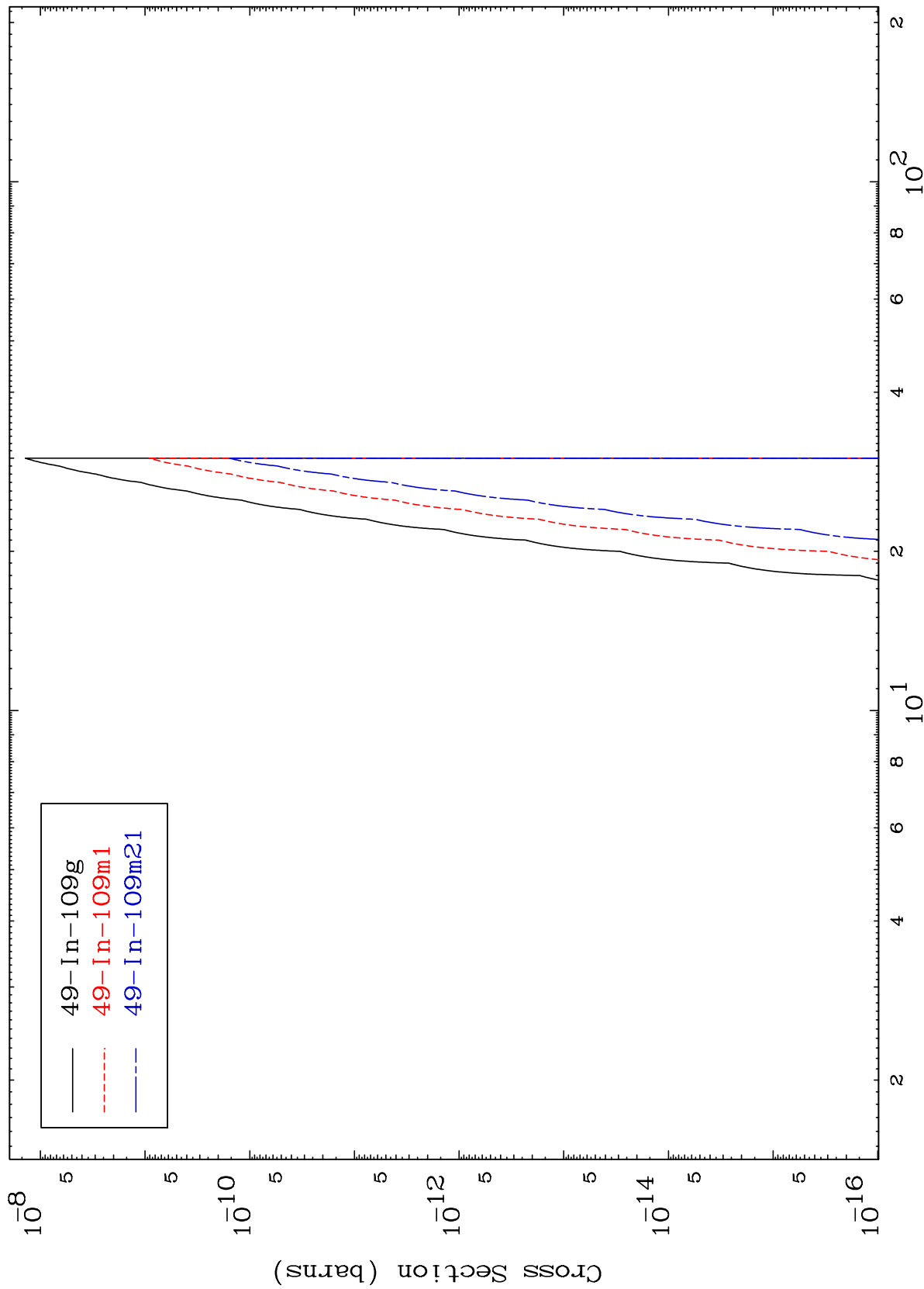
54-Xe-118

MAT 5407

(n,d) 2 α

54-Xe-118

Radionuclide Production Cross Section



130

Incident Energy (MeV)

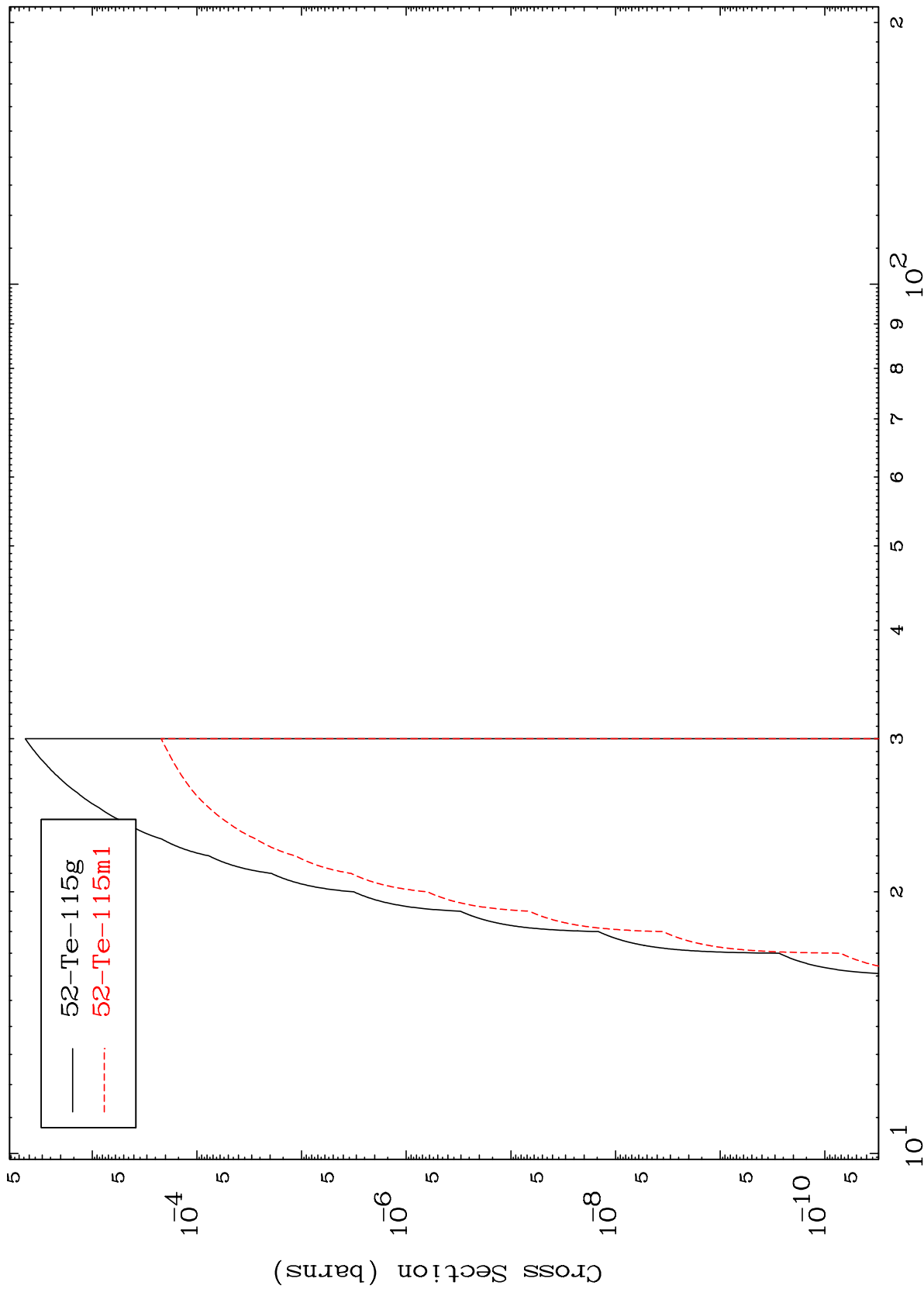
54-Xe-118

MAT 5407

(n,p) t

54-Xe-118

Radionuclide Production Cross Section



Incident Energy (MeV)

54-Xe-118

131