

Program EVALPLOT
(Version 2015-2)

by

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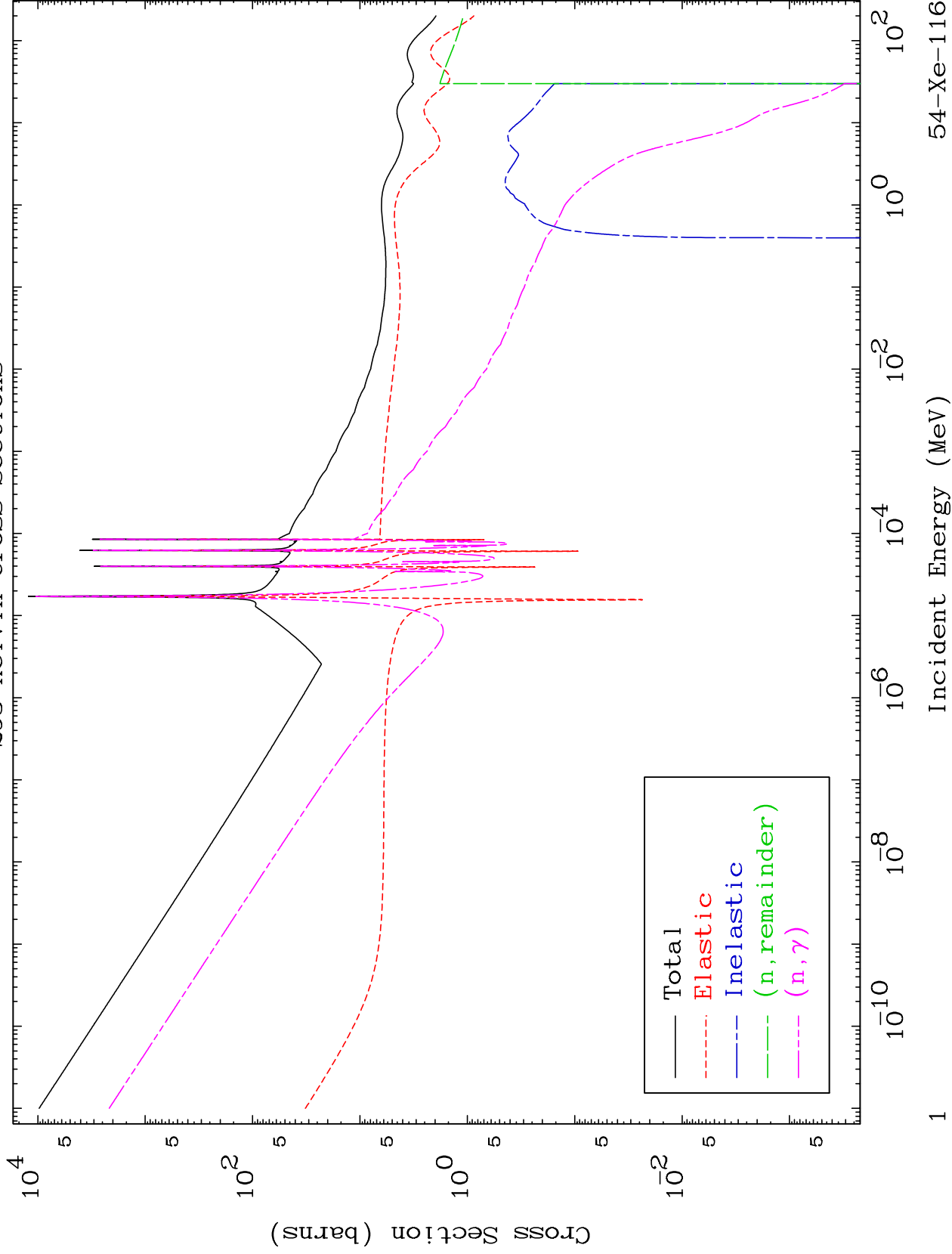
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5401

Major
293 Kelvin Cross Sections

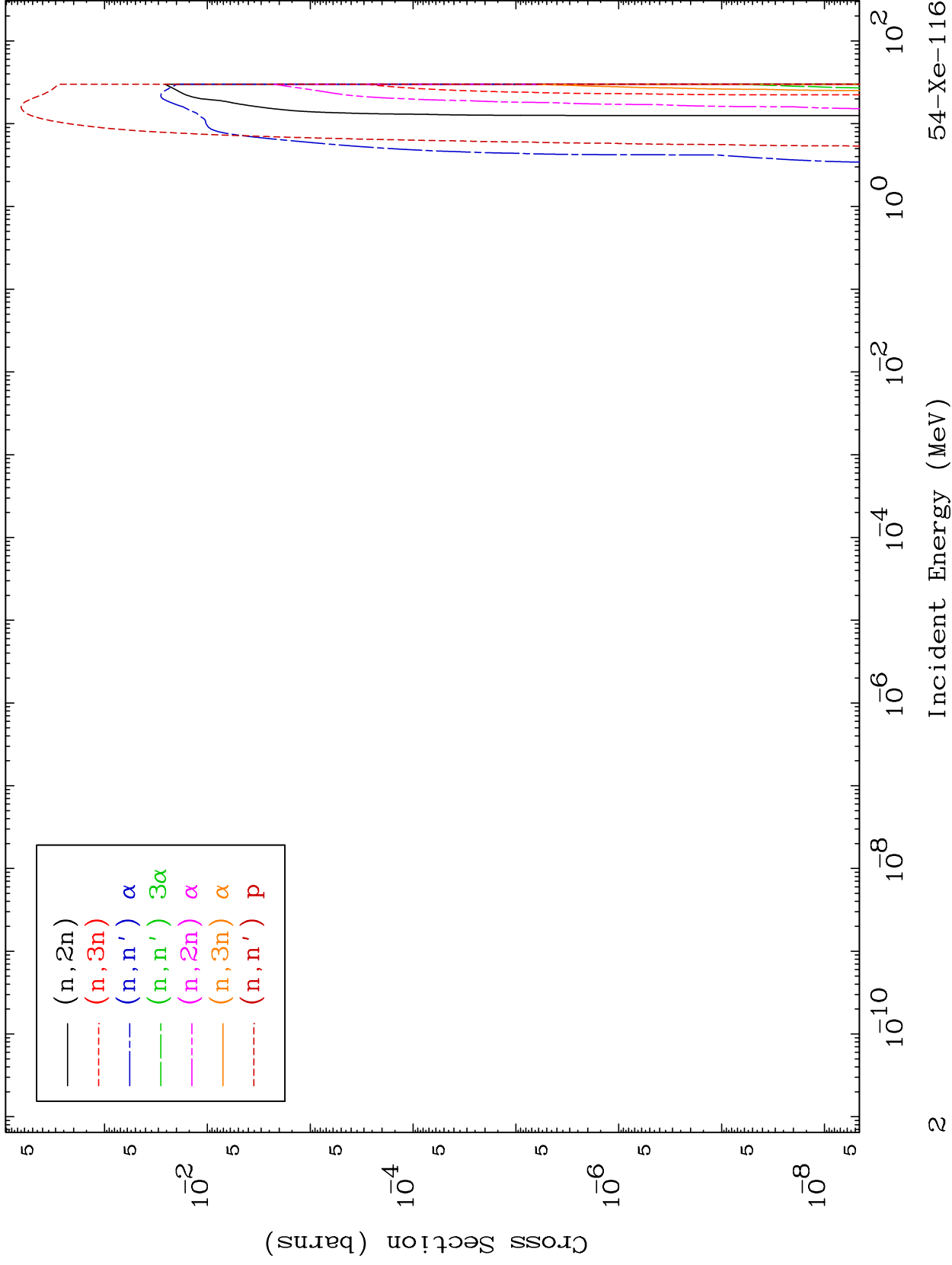
54-Xe-116



MAT 5401

Neutron Production
293 Kelvin Cross Sections

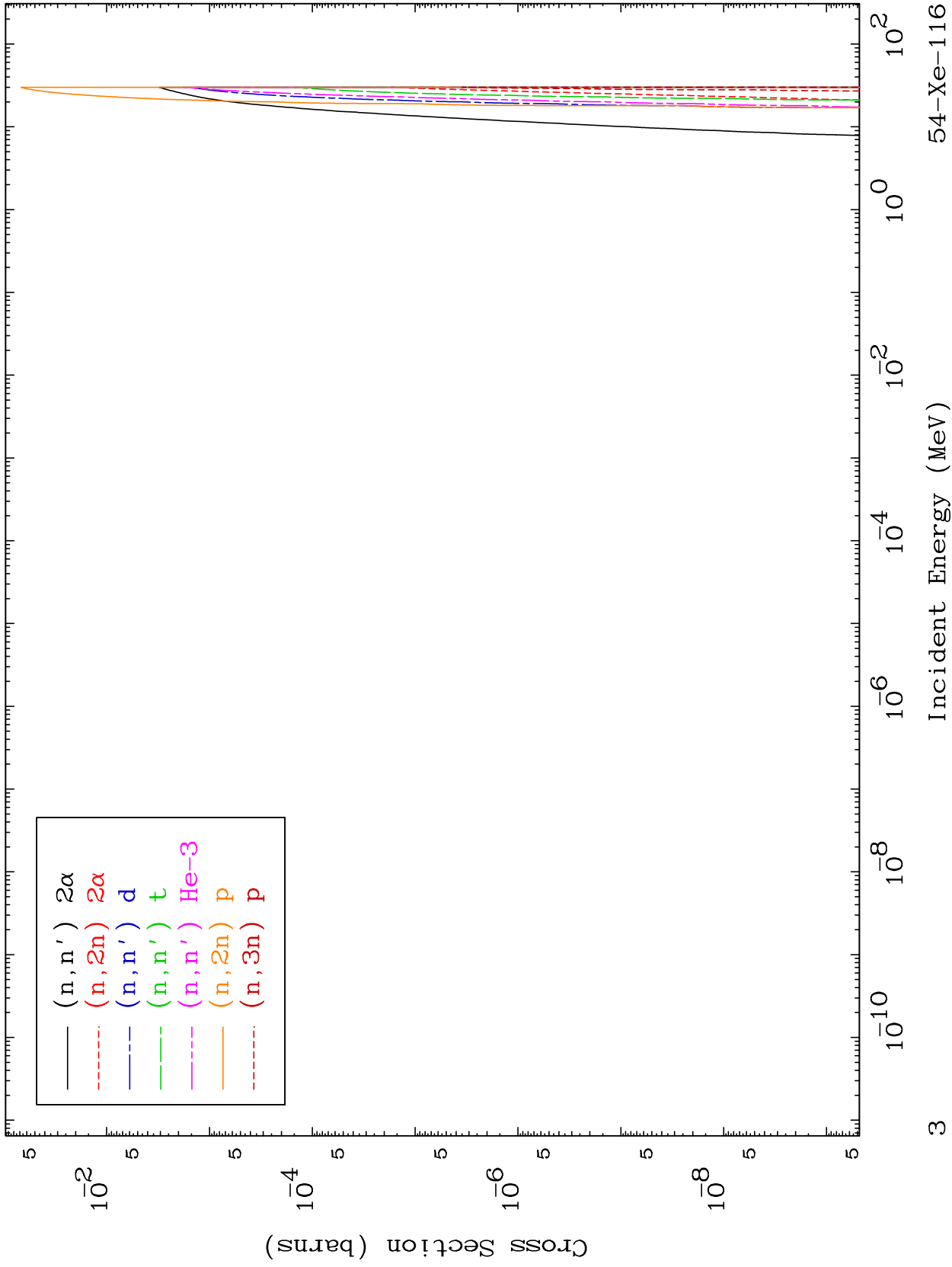
54-Xe-116



MAT 5401

Neutron Production
293 Kelvin Cross Sections

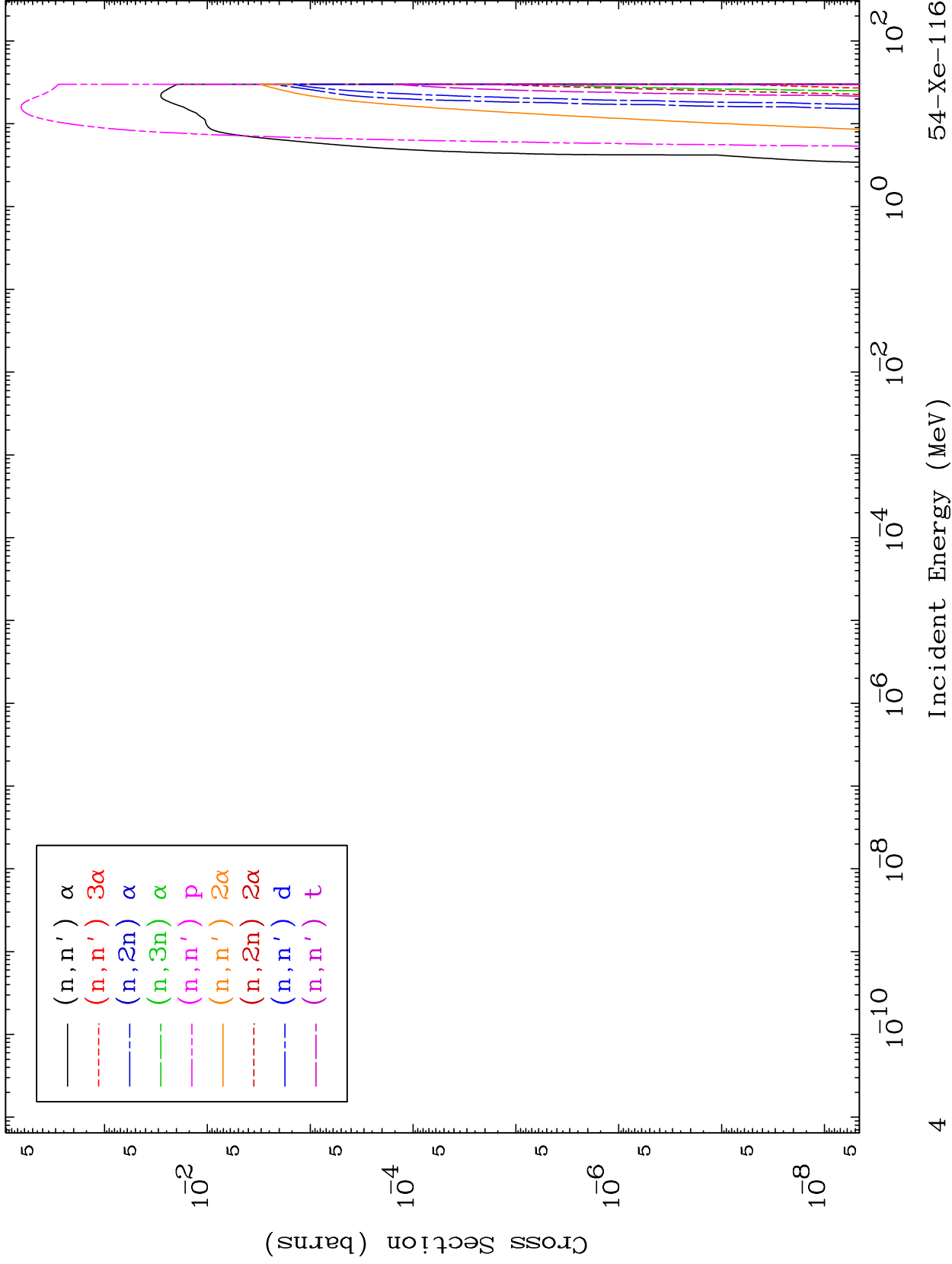
54-Xe-116



MAT 5401

Charged Particle
293 Kelvin Cross Sections

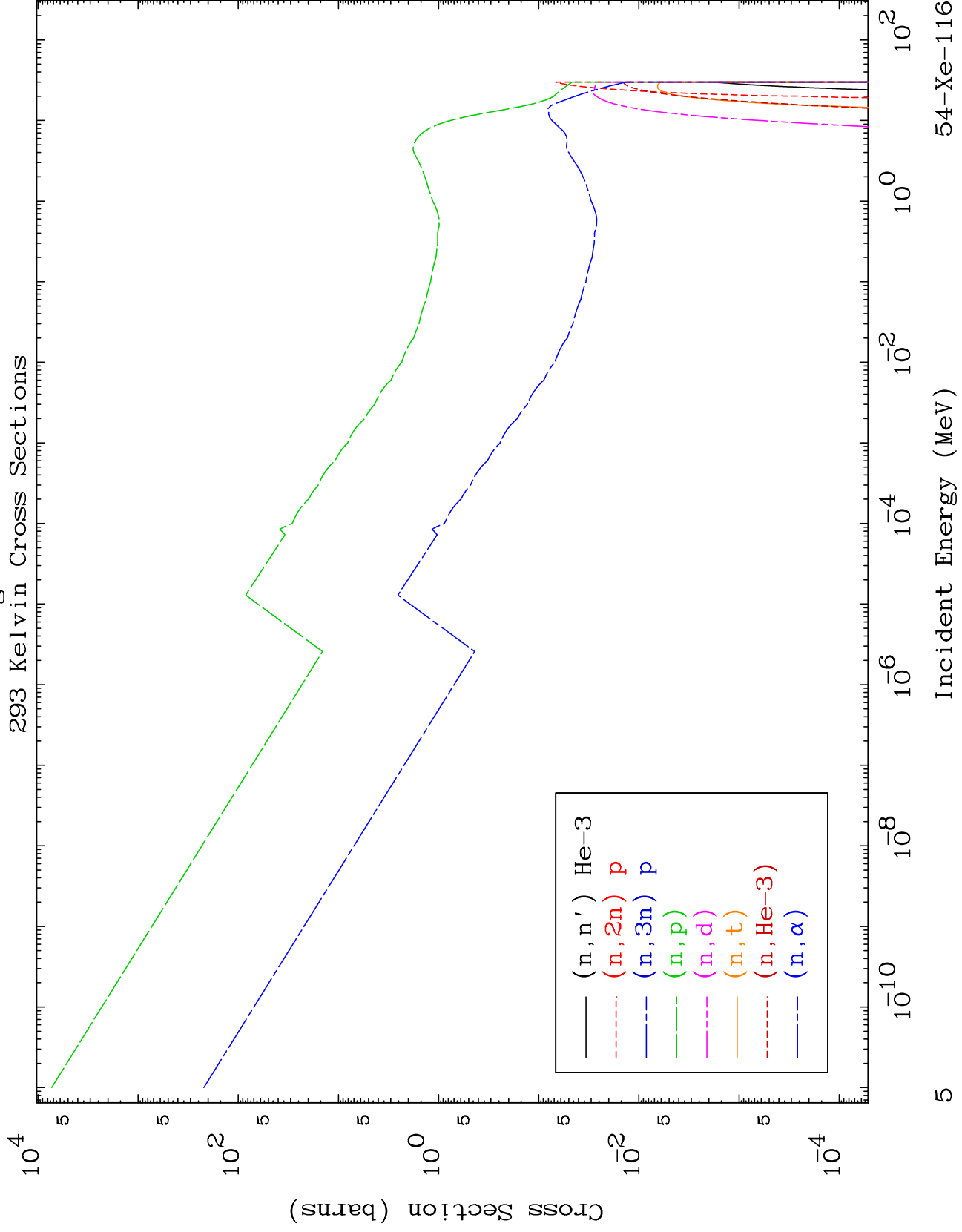
54-Xe-116



MAT 5401

Charged Particle
293 Kelvin Cross Sections

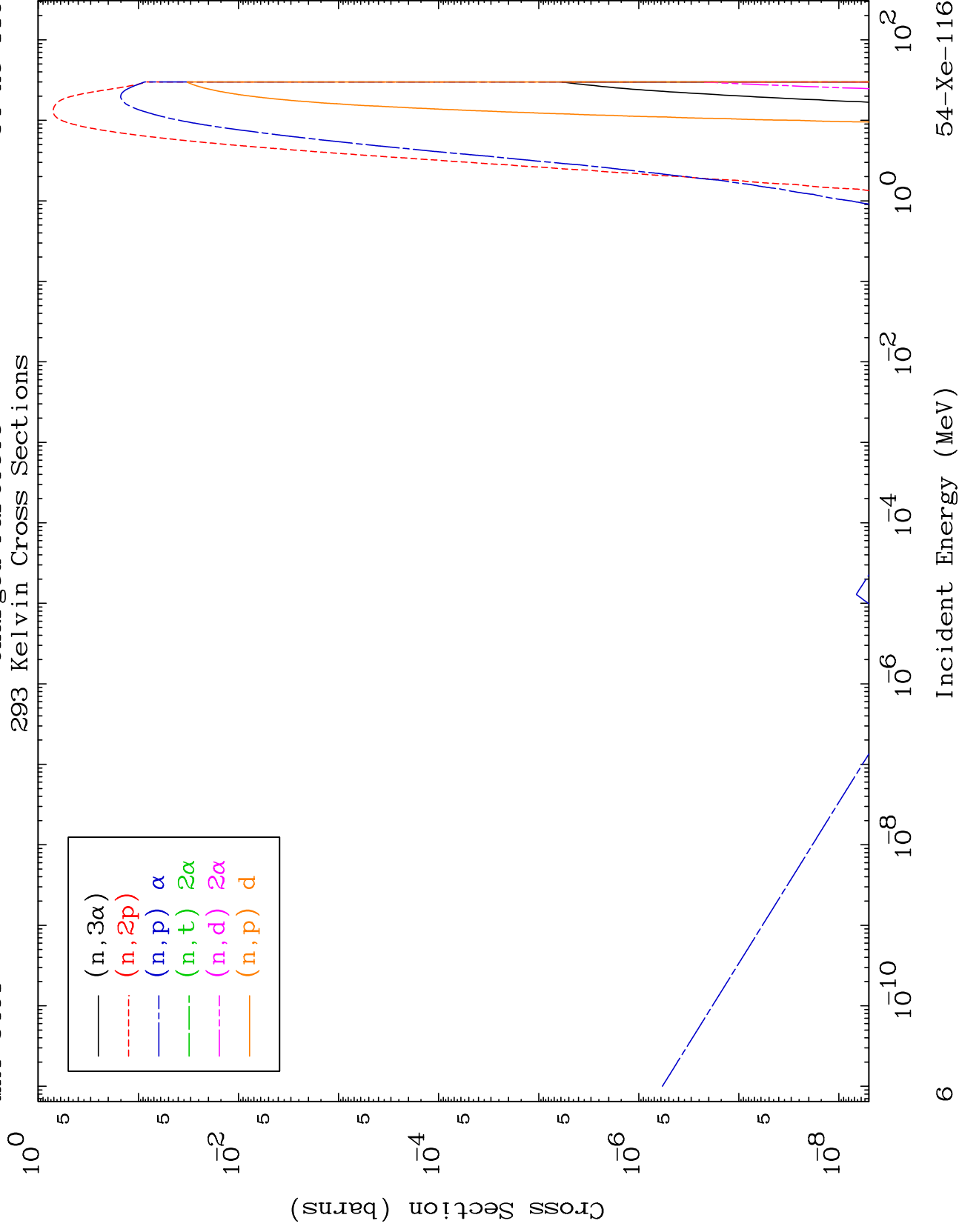
54-Xe-116

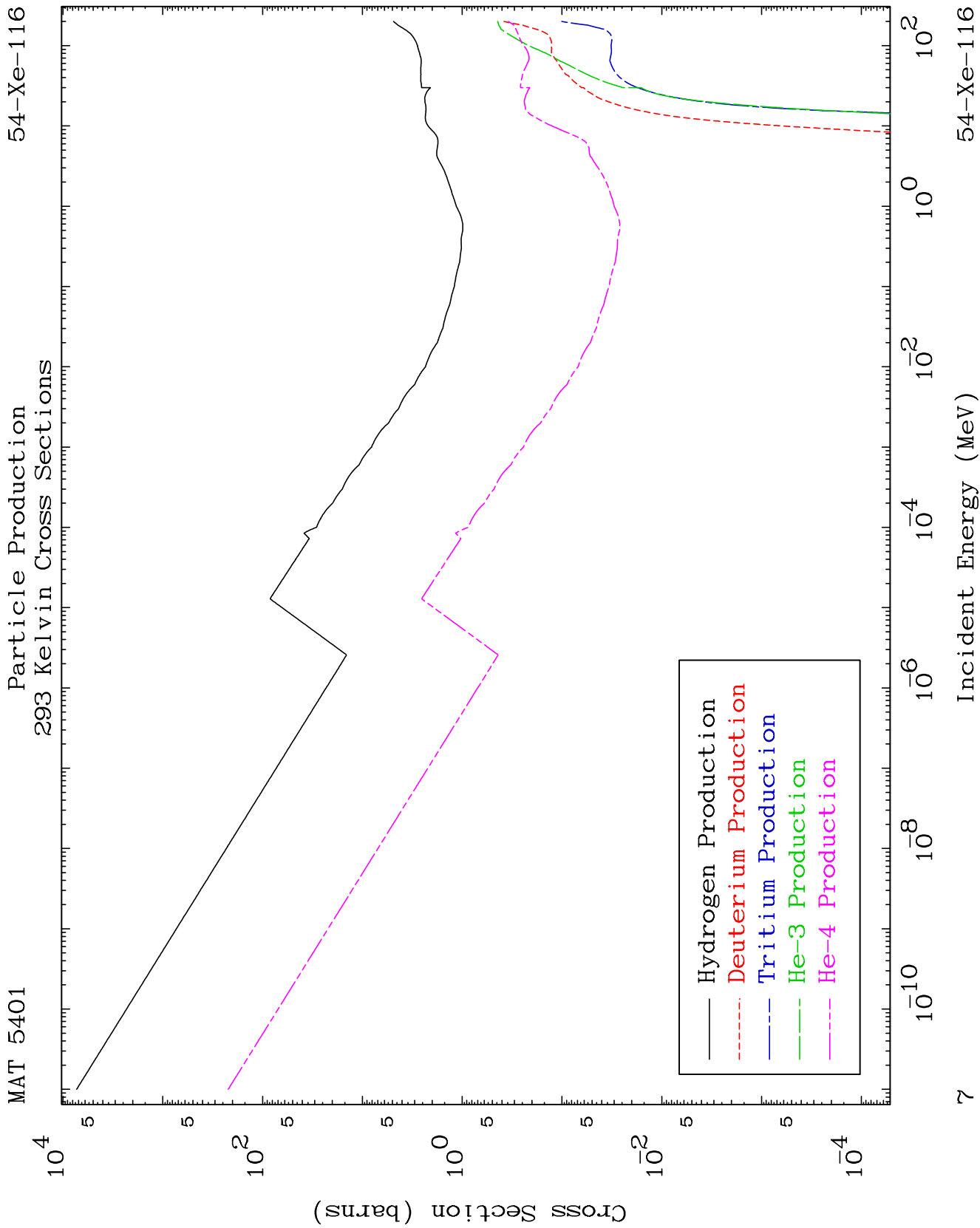


MAT 5401

Charged Particle
293 Kelvin Cross Sections

54-Xe-116



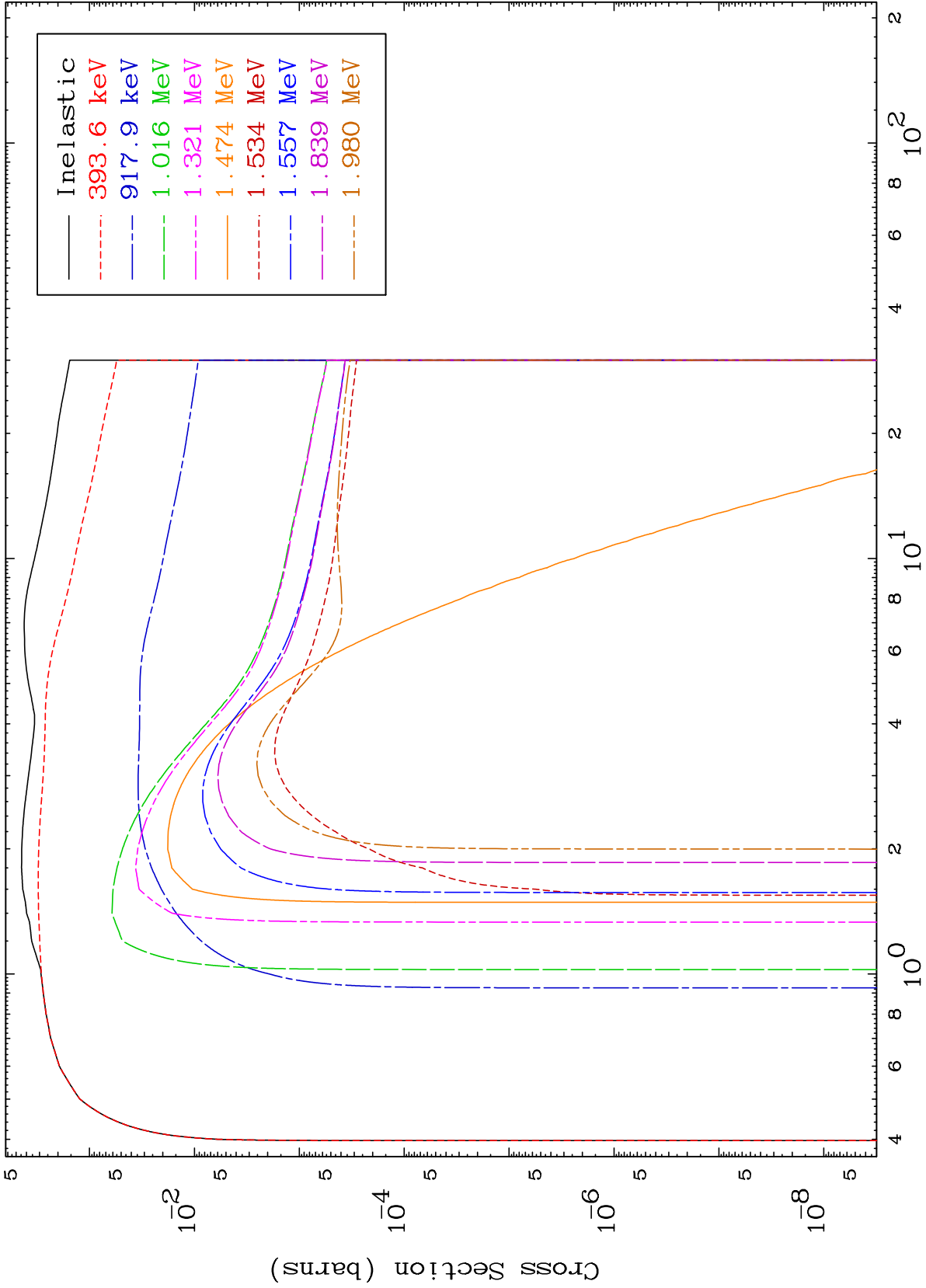


MAT 5401

(n,n') Level

54-Xe-116

293 Kelvin Cross Sections



8

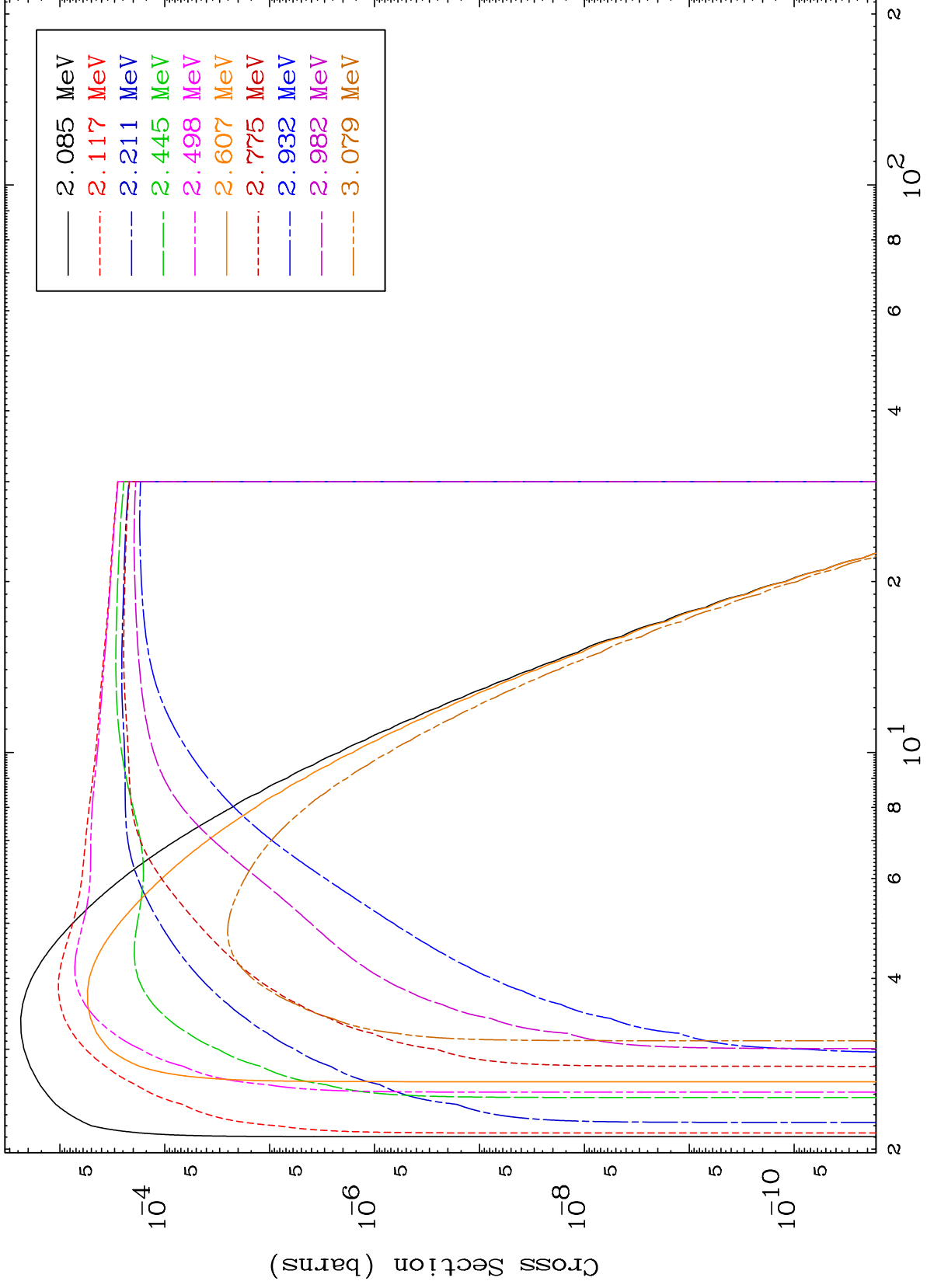
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n,n') Level
293 Kelvin Cross Sections

54-Xe-116



9

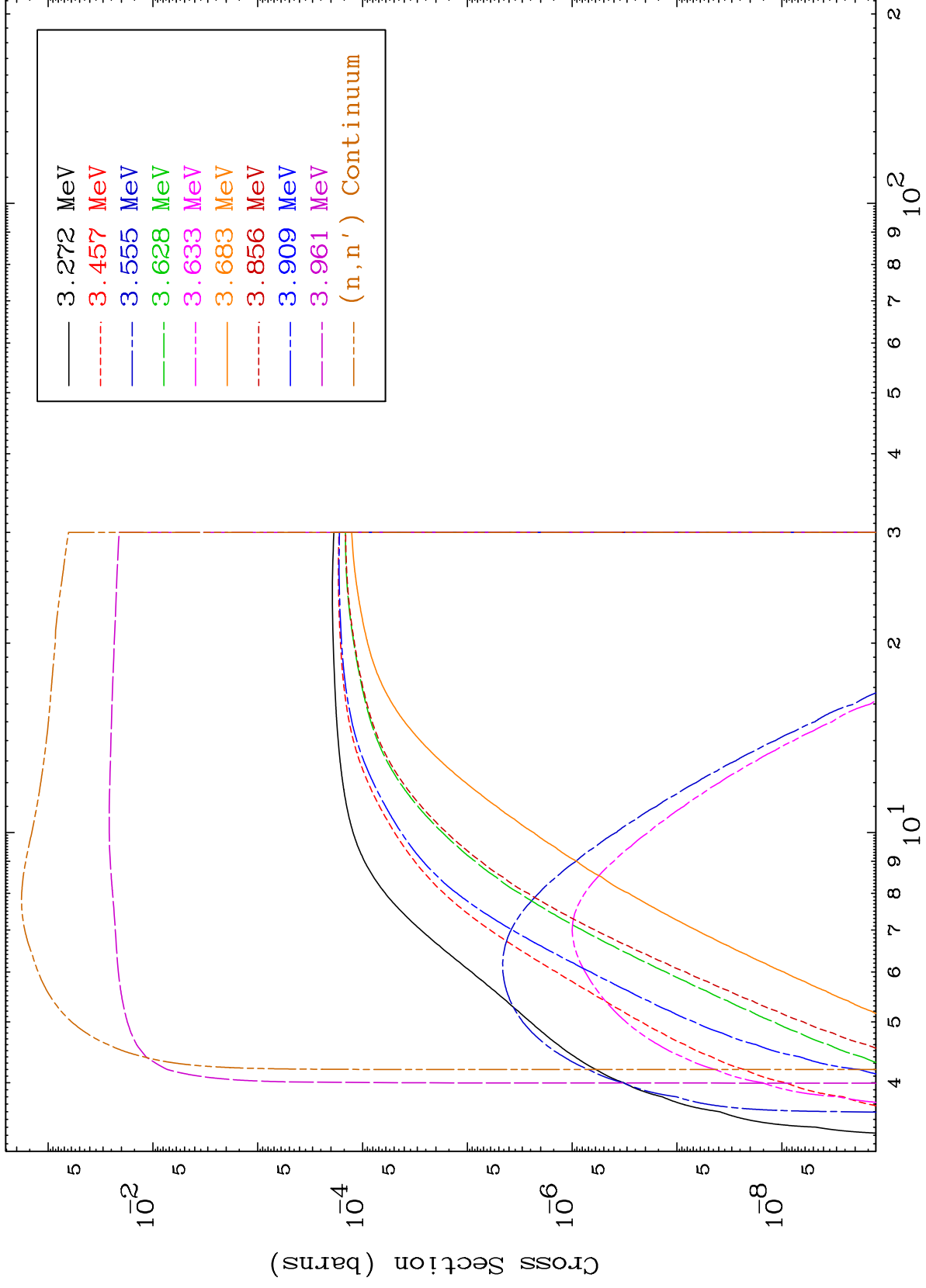
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n,n') Level
293 Kelvin Cross Sections

54-Xe-116



10

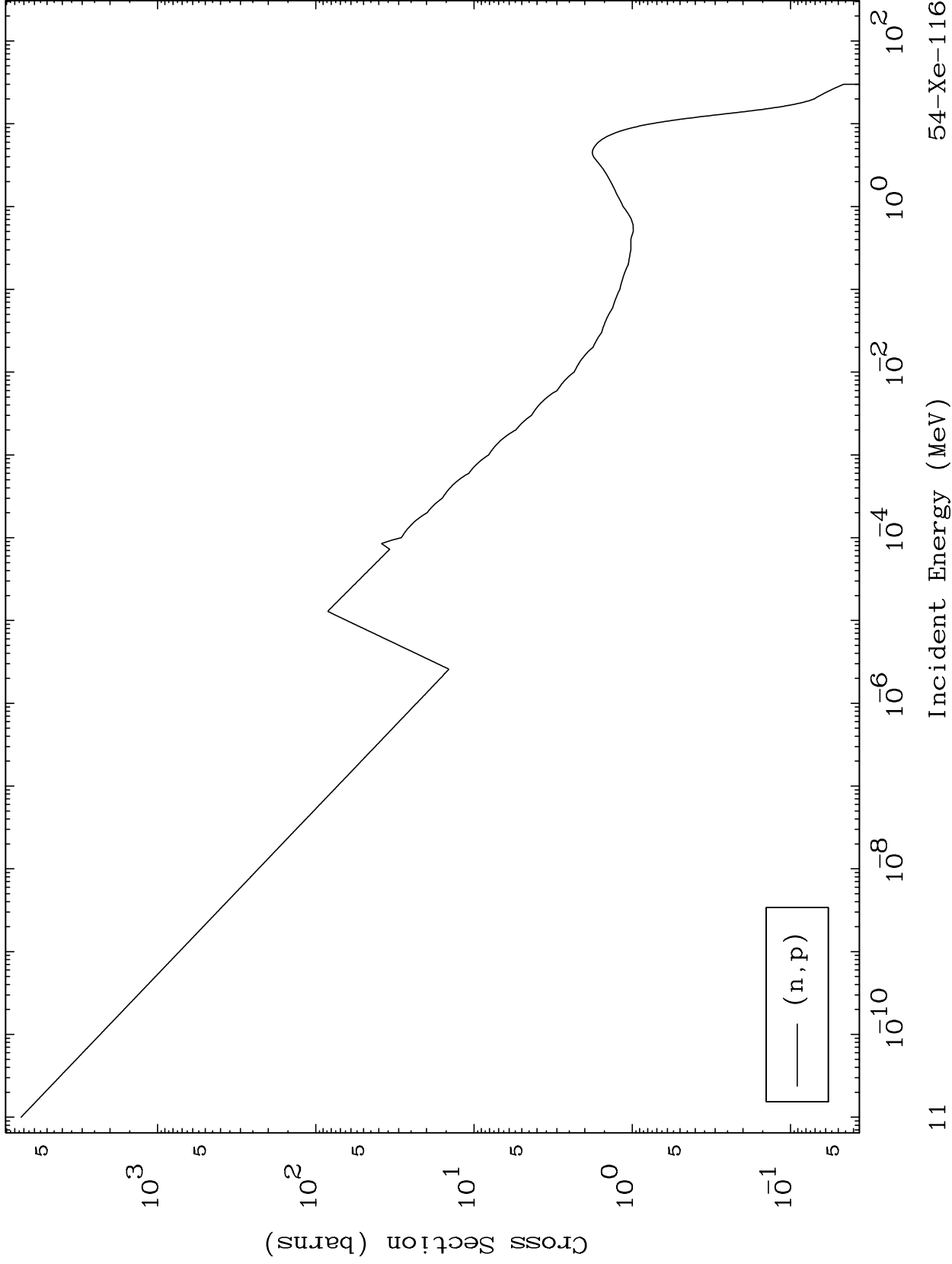
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n,p) Levels
293 Kelvin Cross Sections

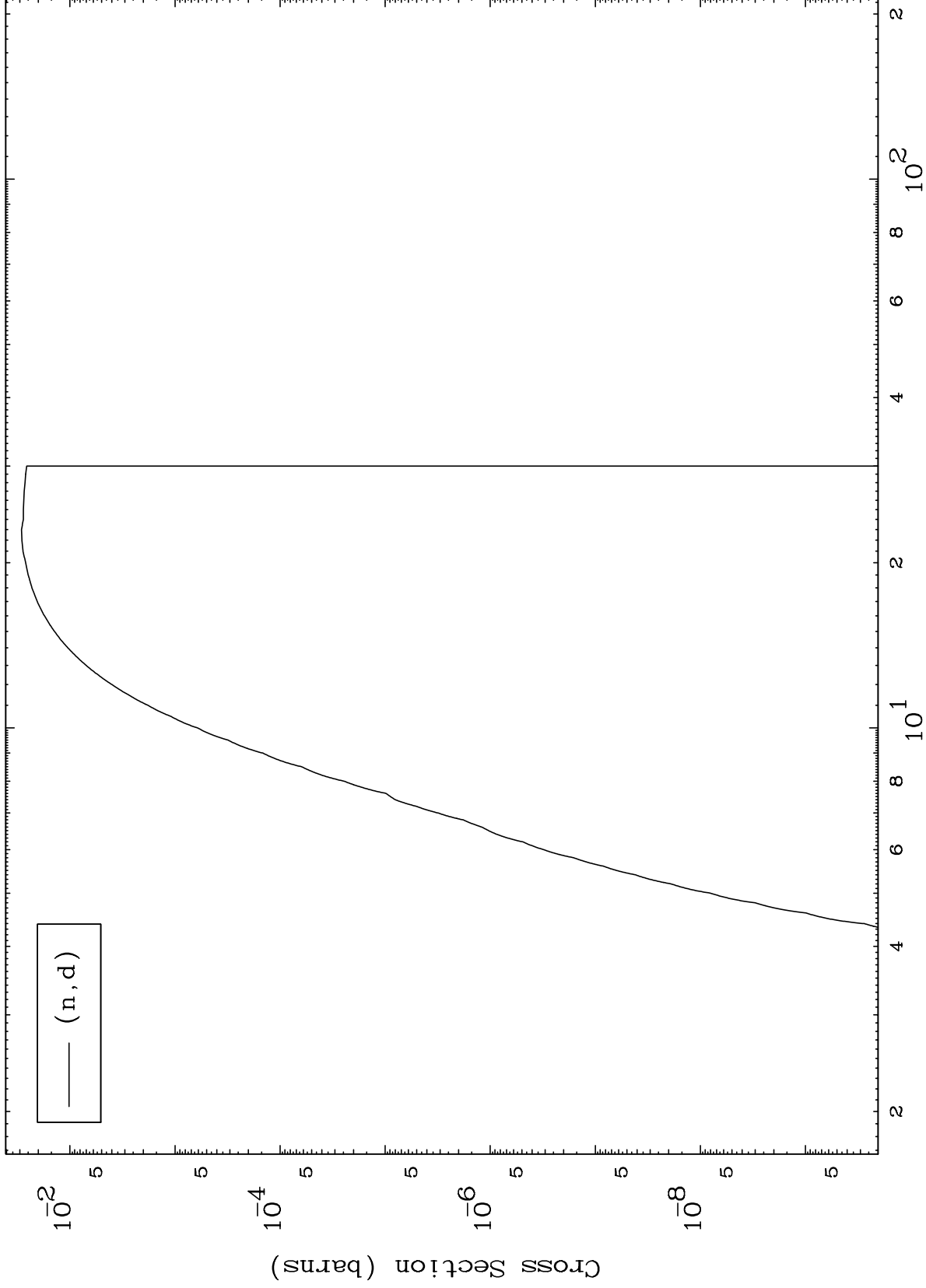
54-Xe-116



MAT 5401

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-116



12

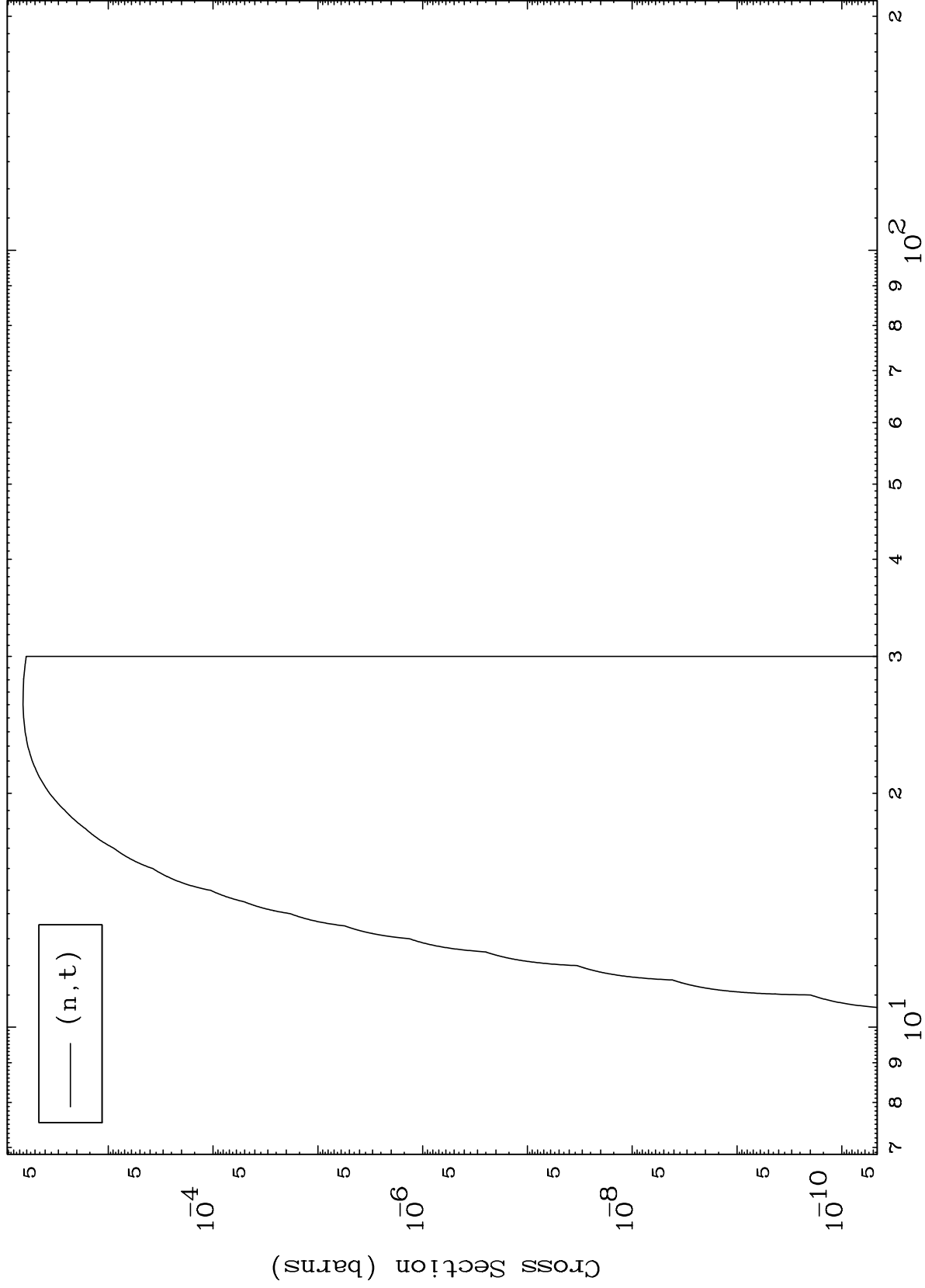
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-116



13

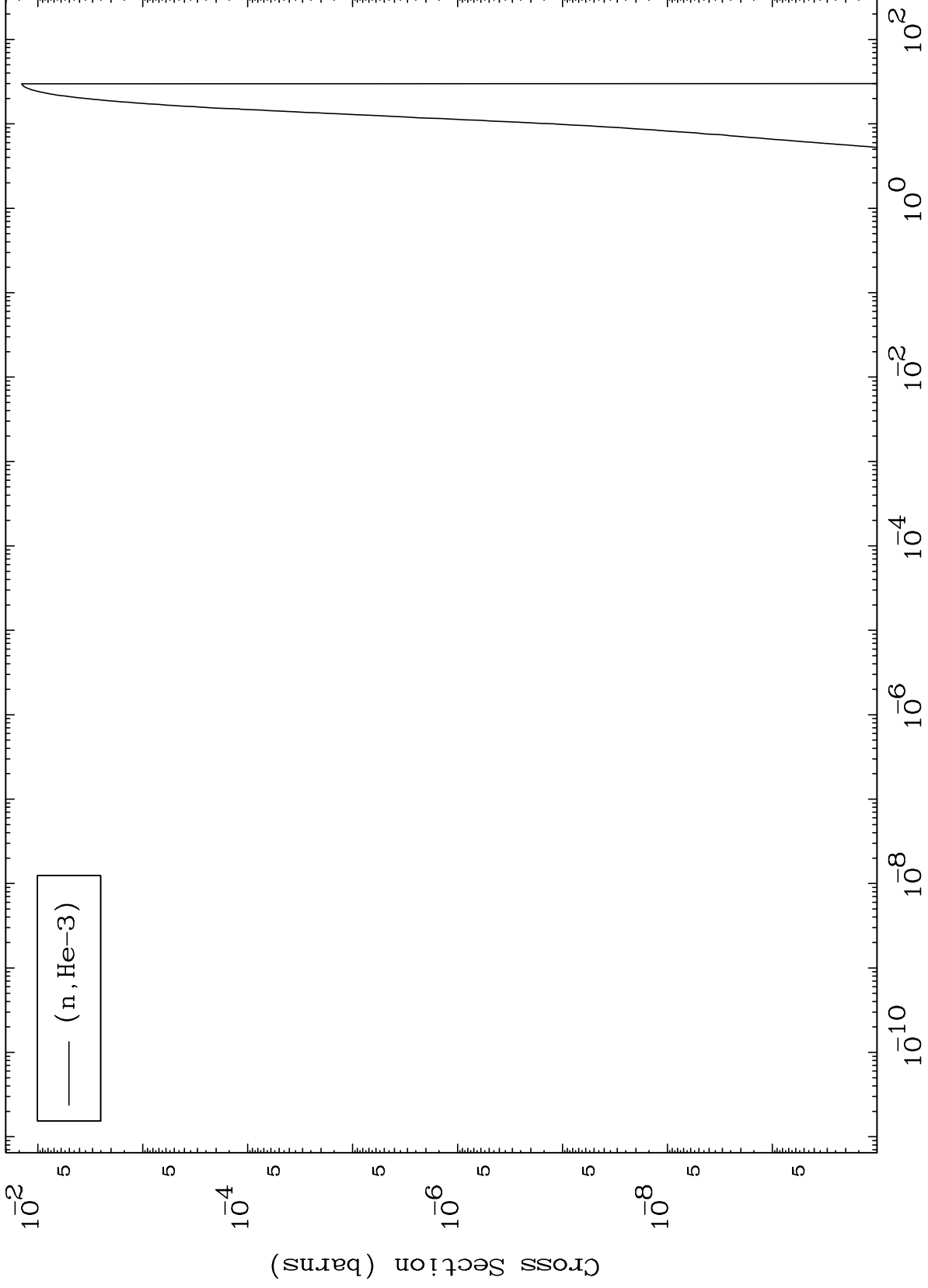
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-116



14

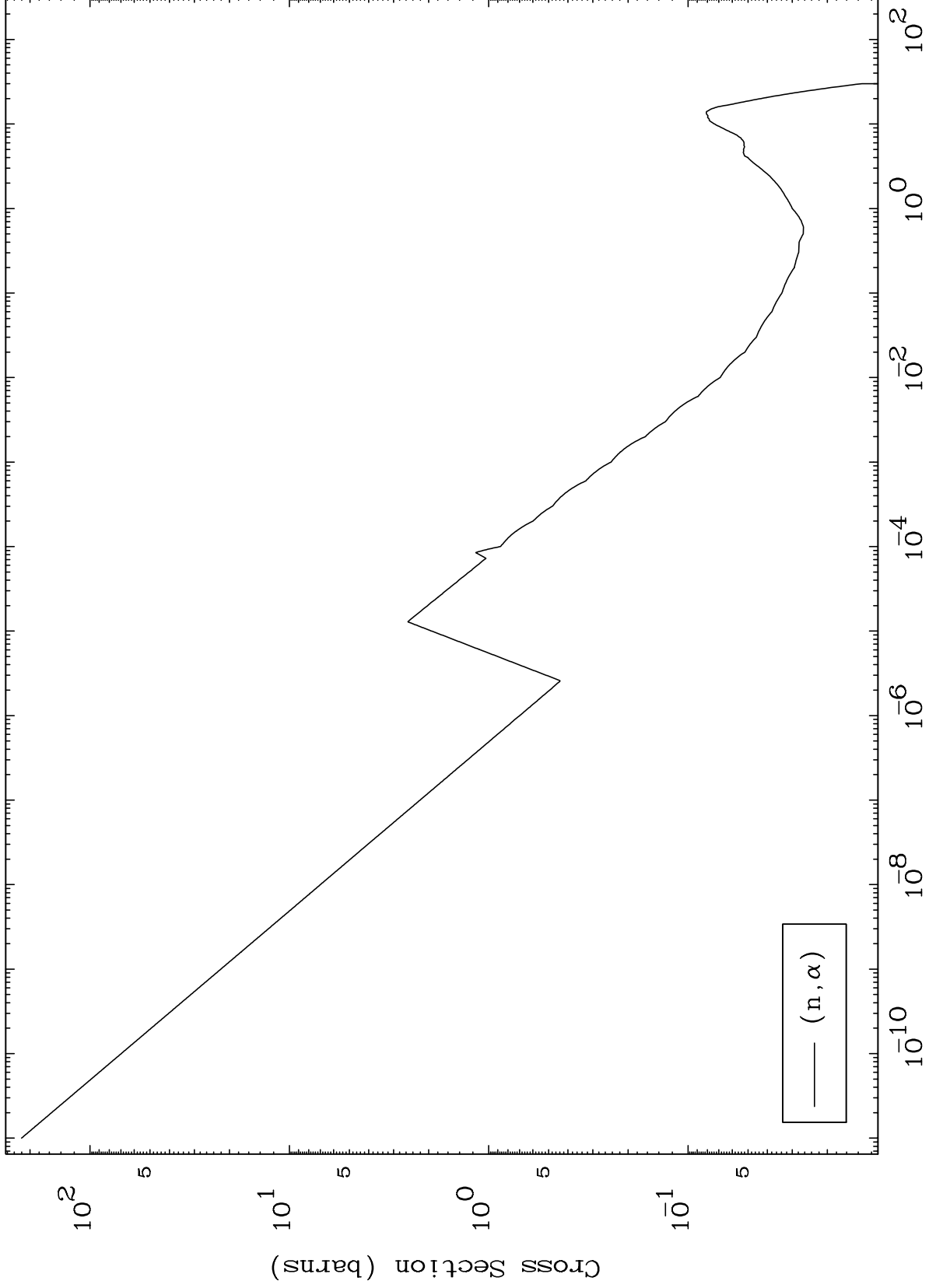
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n,α) Levels
293 Kelvin Cross Sections

54-Xe-116

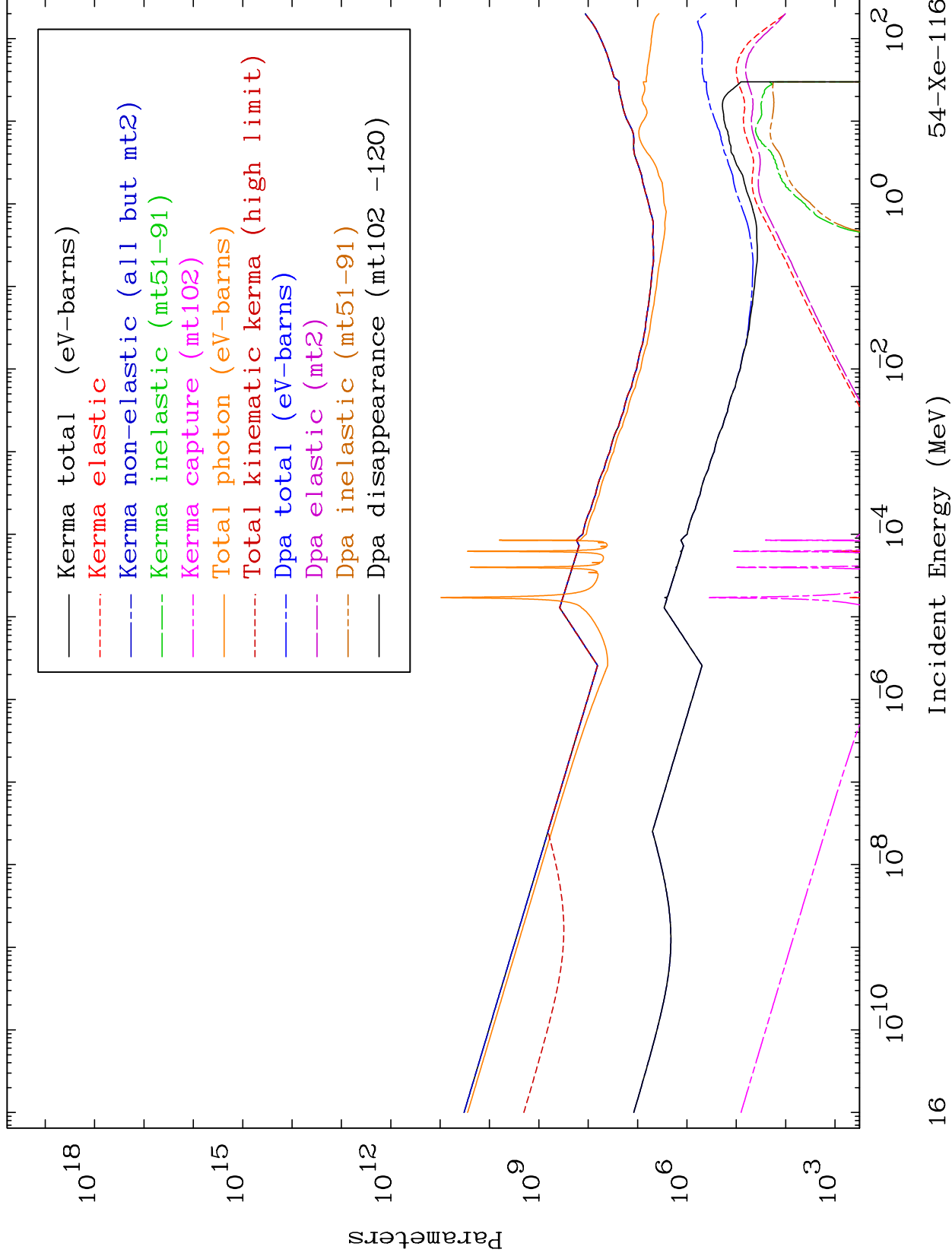


(n,α)

15

Incident Energy (MeV)

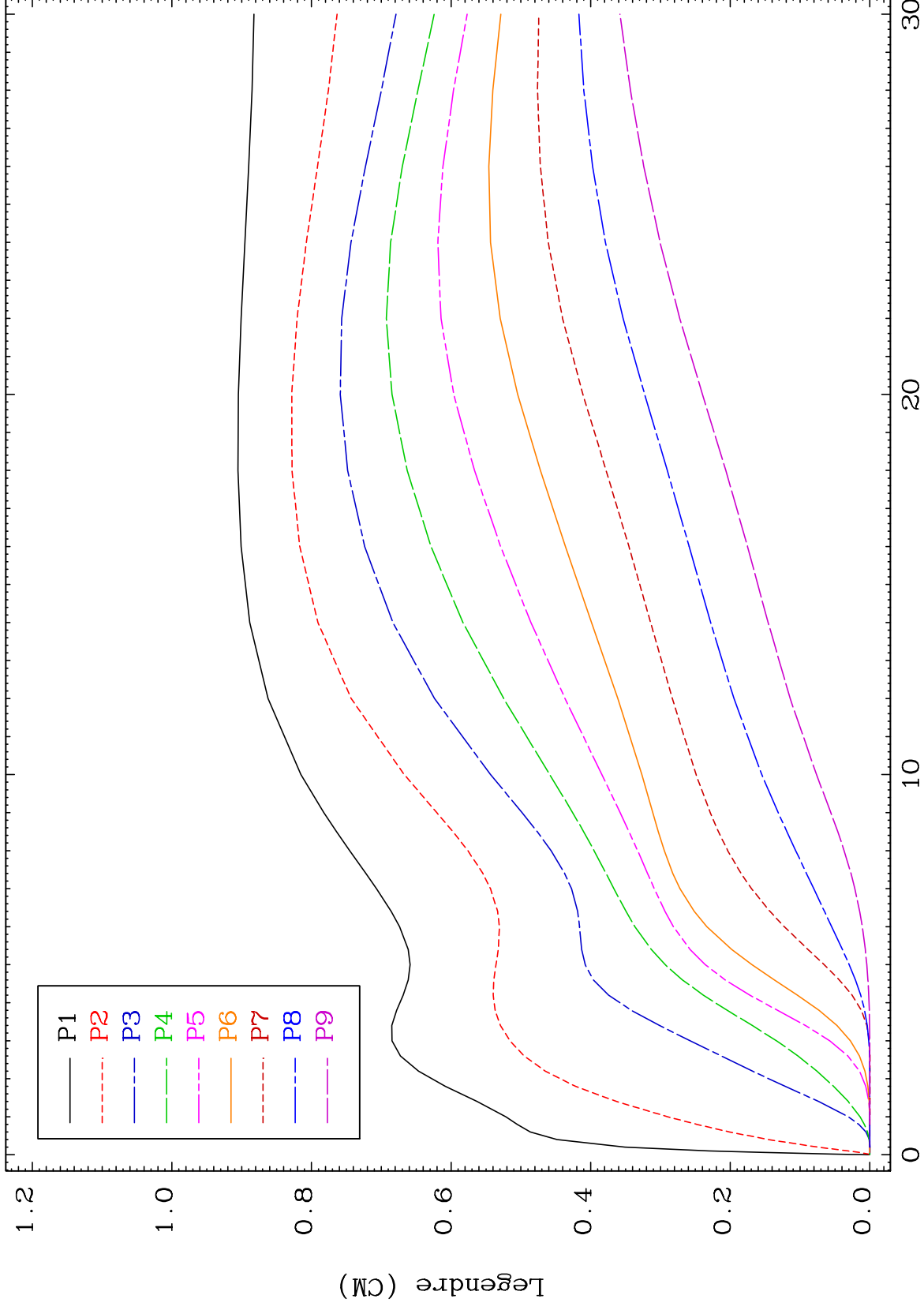
54-Xe-116



MAT 5401

Elastic Legendre Coefficients

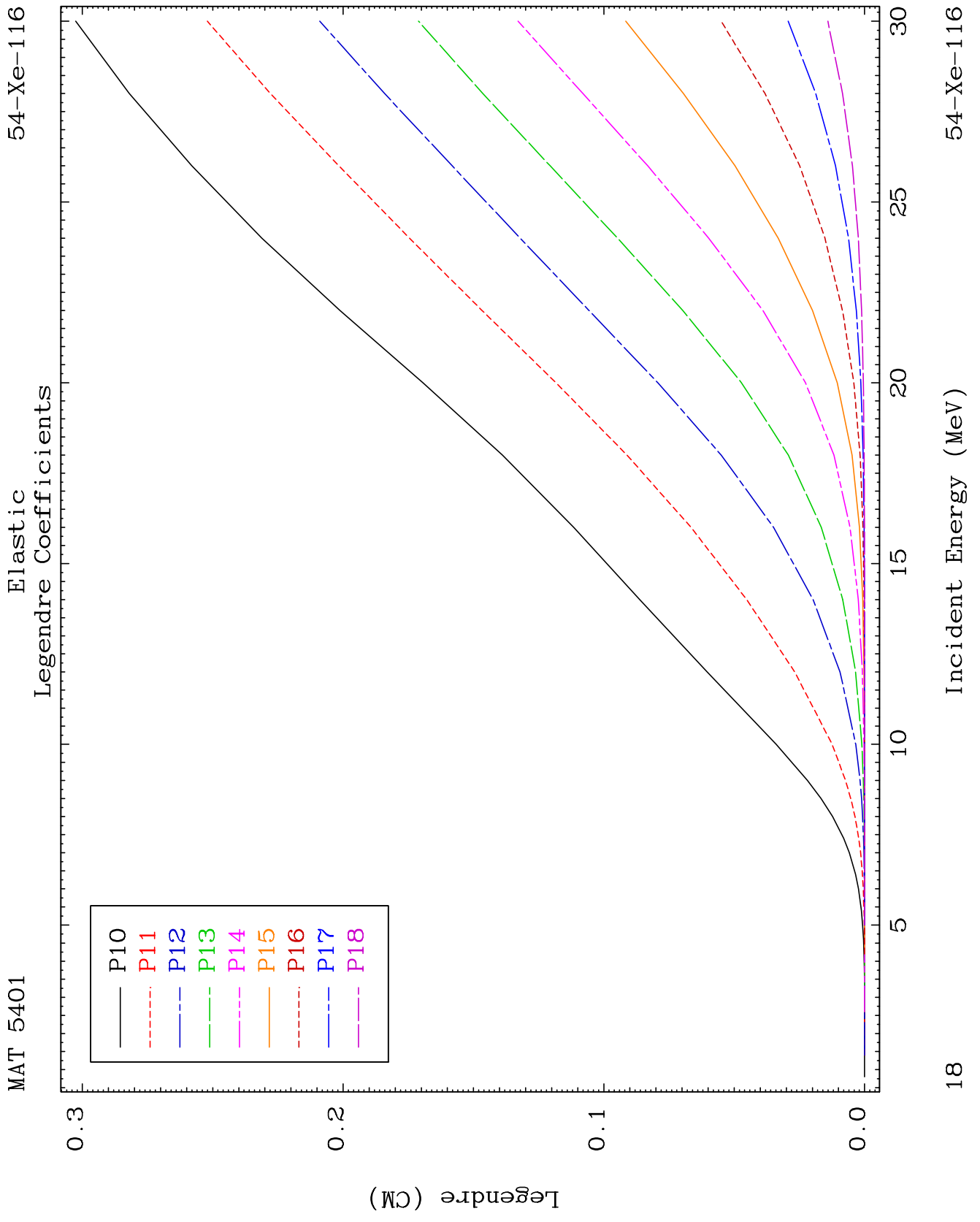
54-Xe-116



17

Incident Energy (MeV)

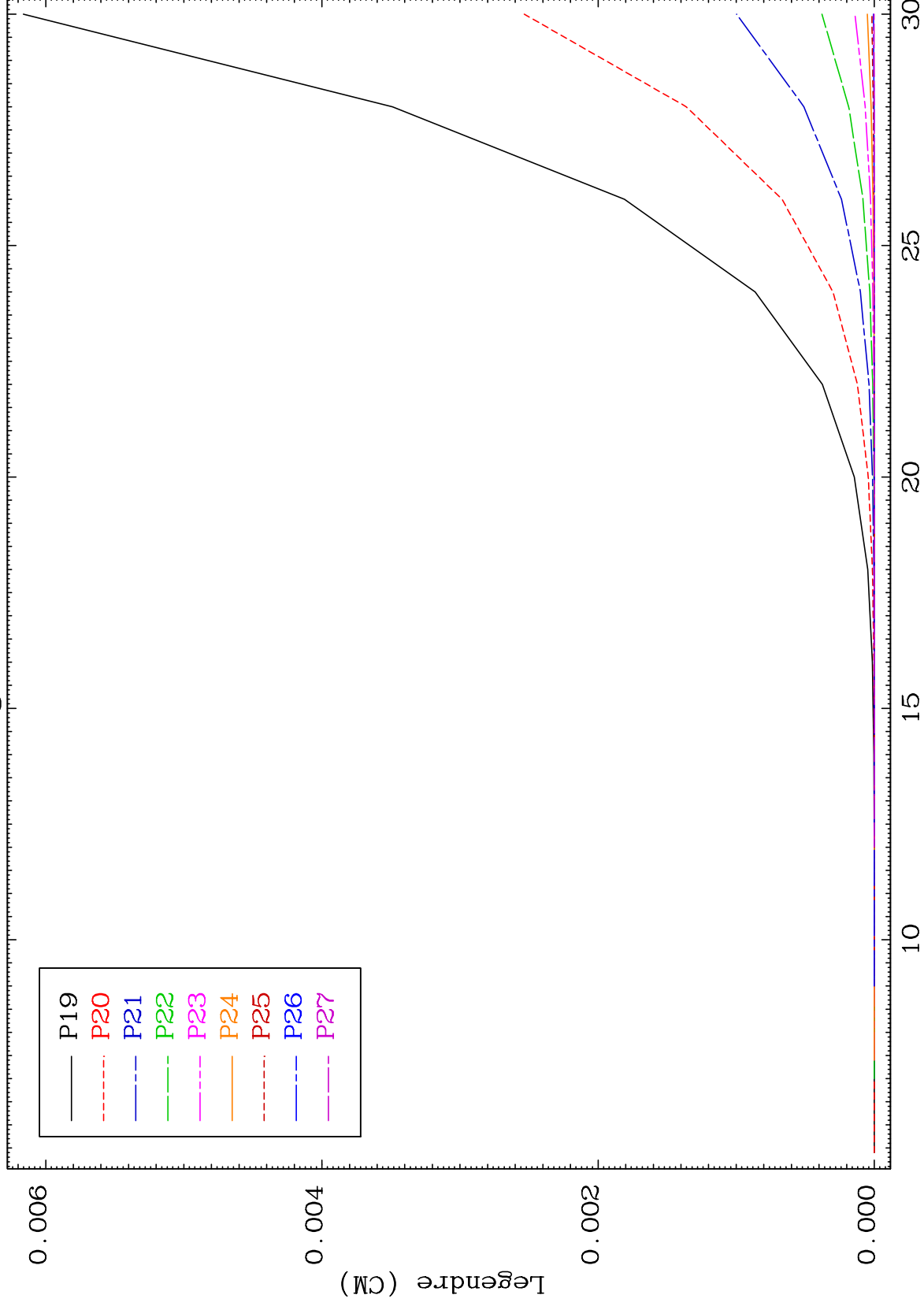
54-Xe-116



MAT 5401

Elastic Legendre Coefficients

54-Xe-116



19

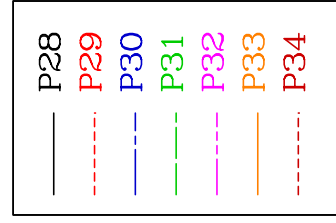
Incident Energy (MeV)

54-Xe-116

MAT 5401

Elastic
Legendre Coefficients

54-Xe-116



$\times 10^{-7}$

3

2

1

0

Legendre (CM)

15

20

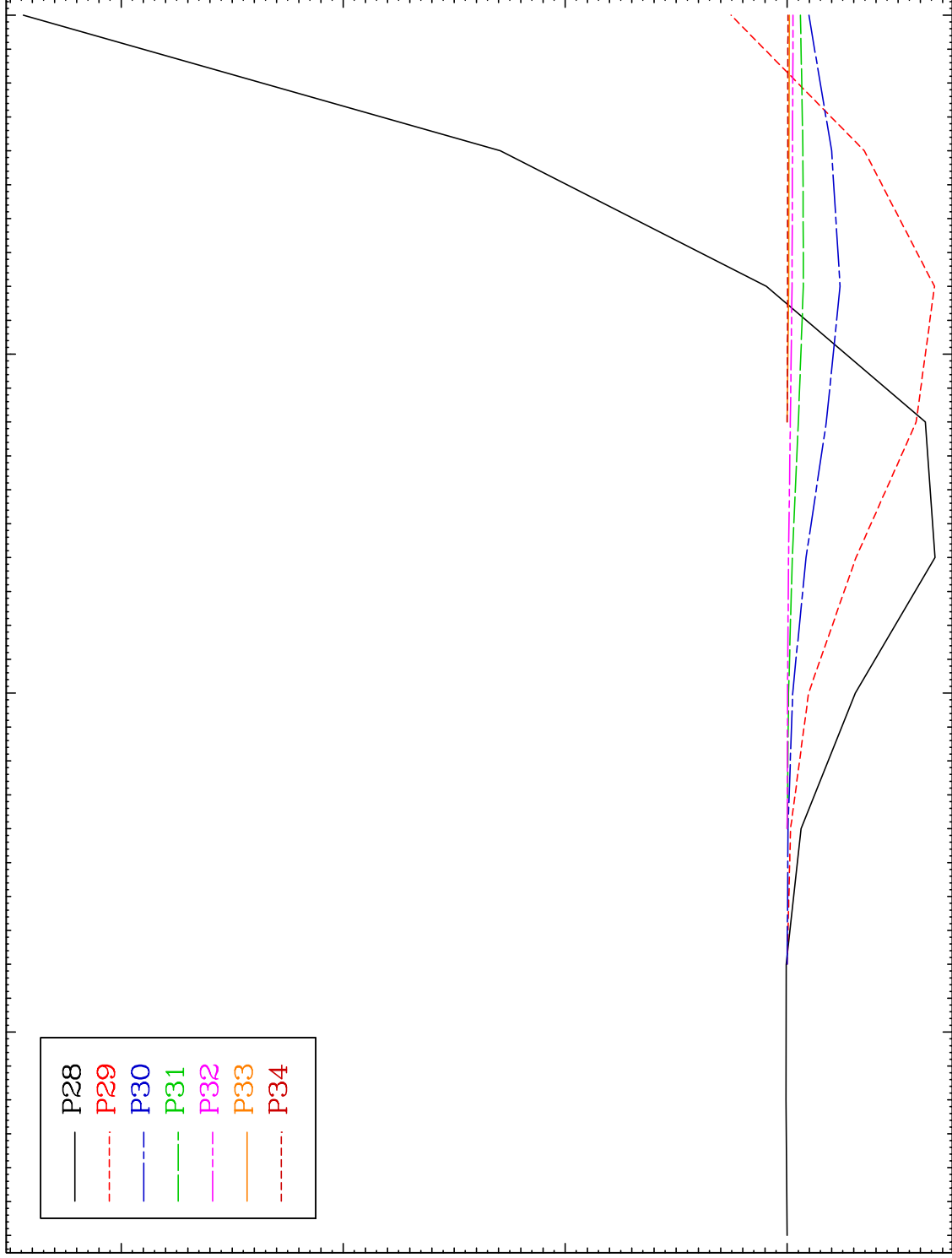
25

30

20

Incident Energy (MeV)

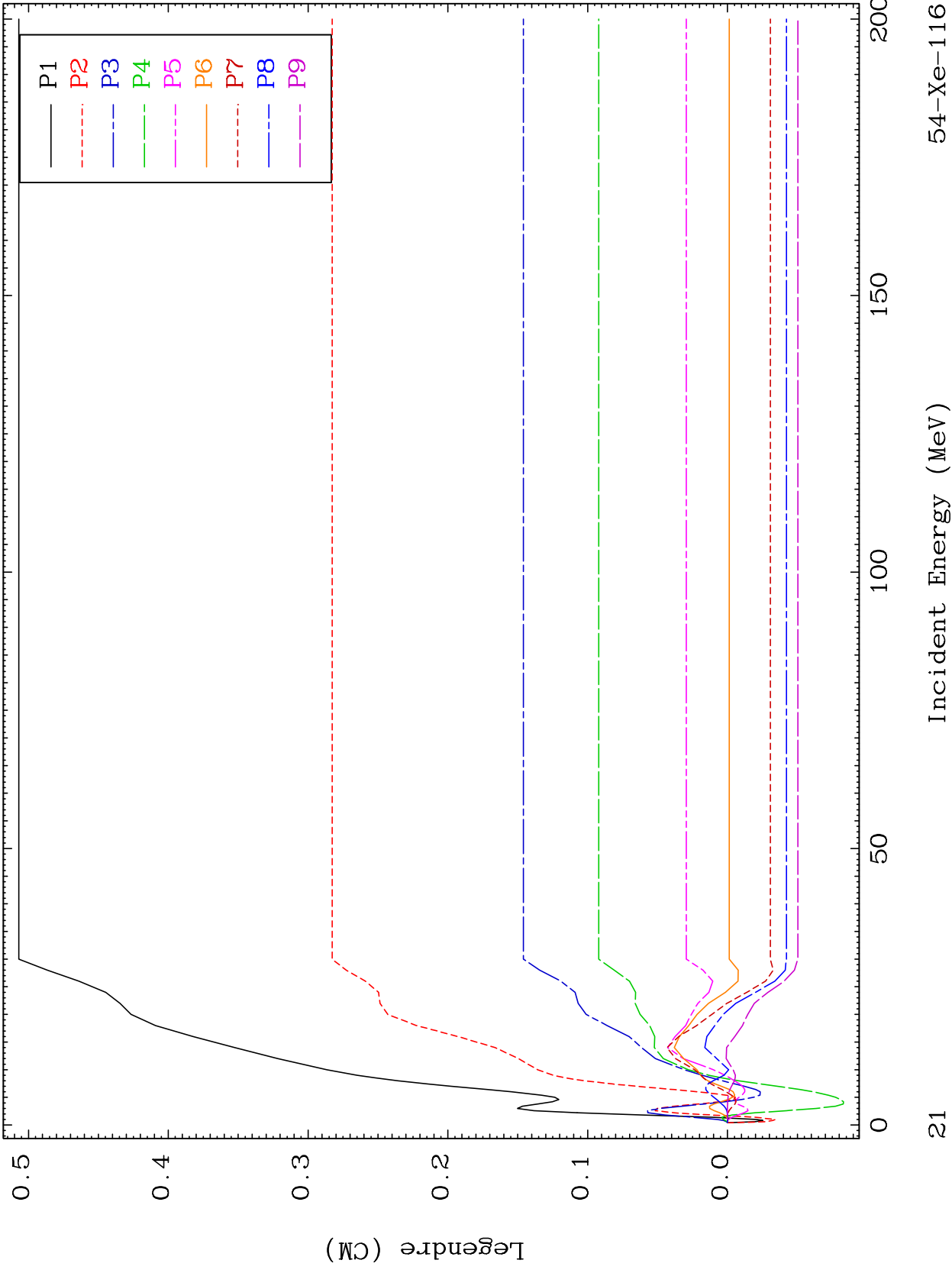
54-Xe-116



MAT 5401

393.6 keV (n,n') Level
Legendre Coefficients

54-Xe-116



54-Xe-116

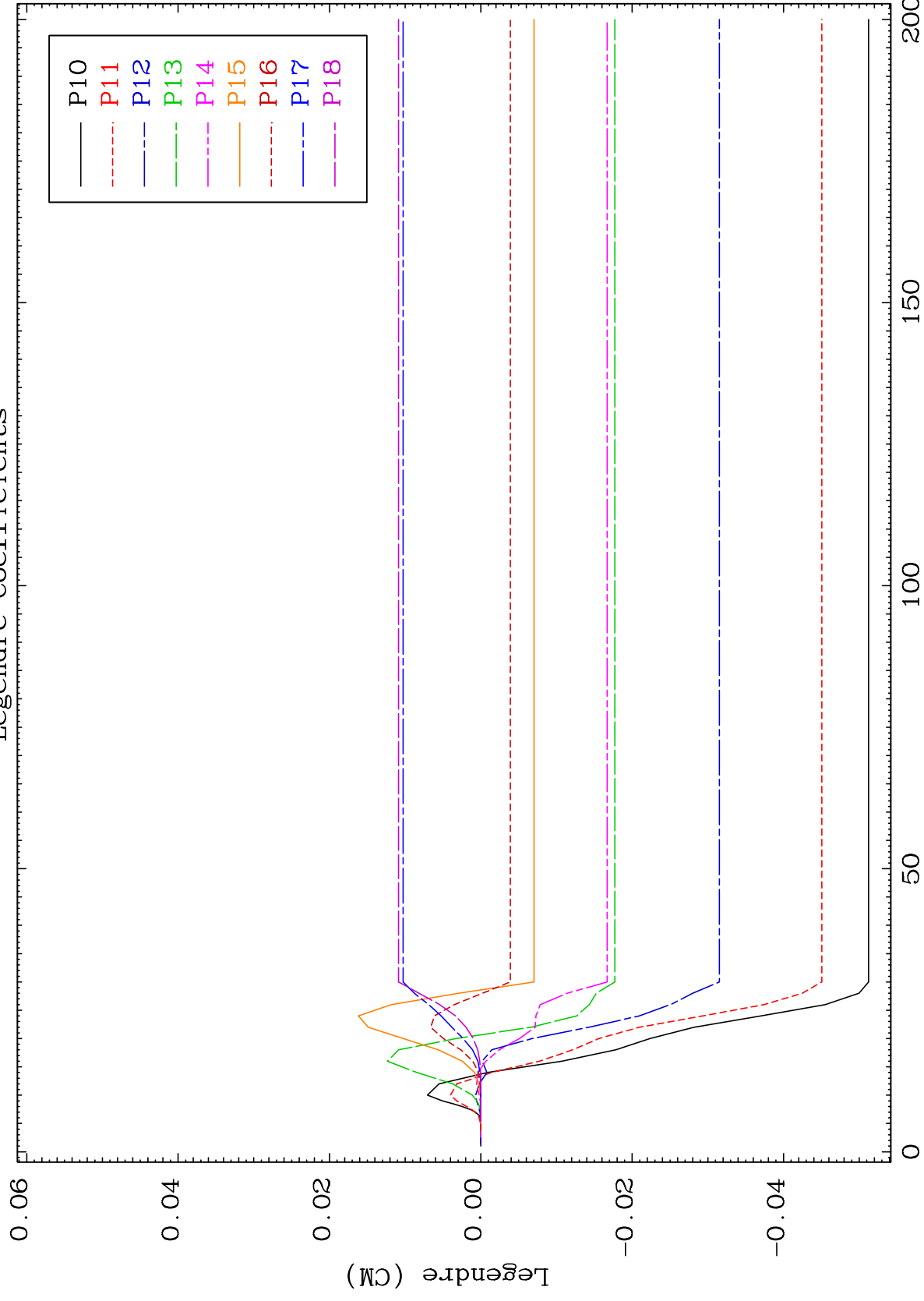
Incident Energy (MeV)

21

MAT 5401

393.6 keV (n,n') Level
Legendre Coefficients

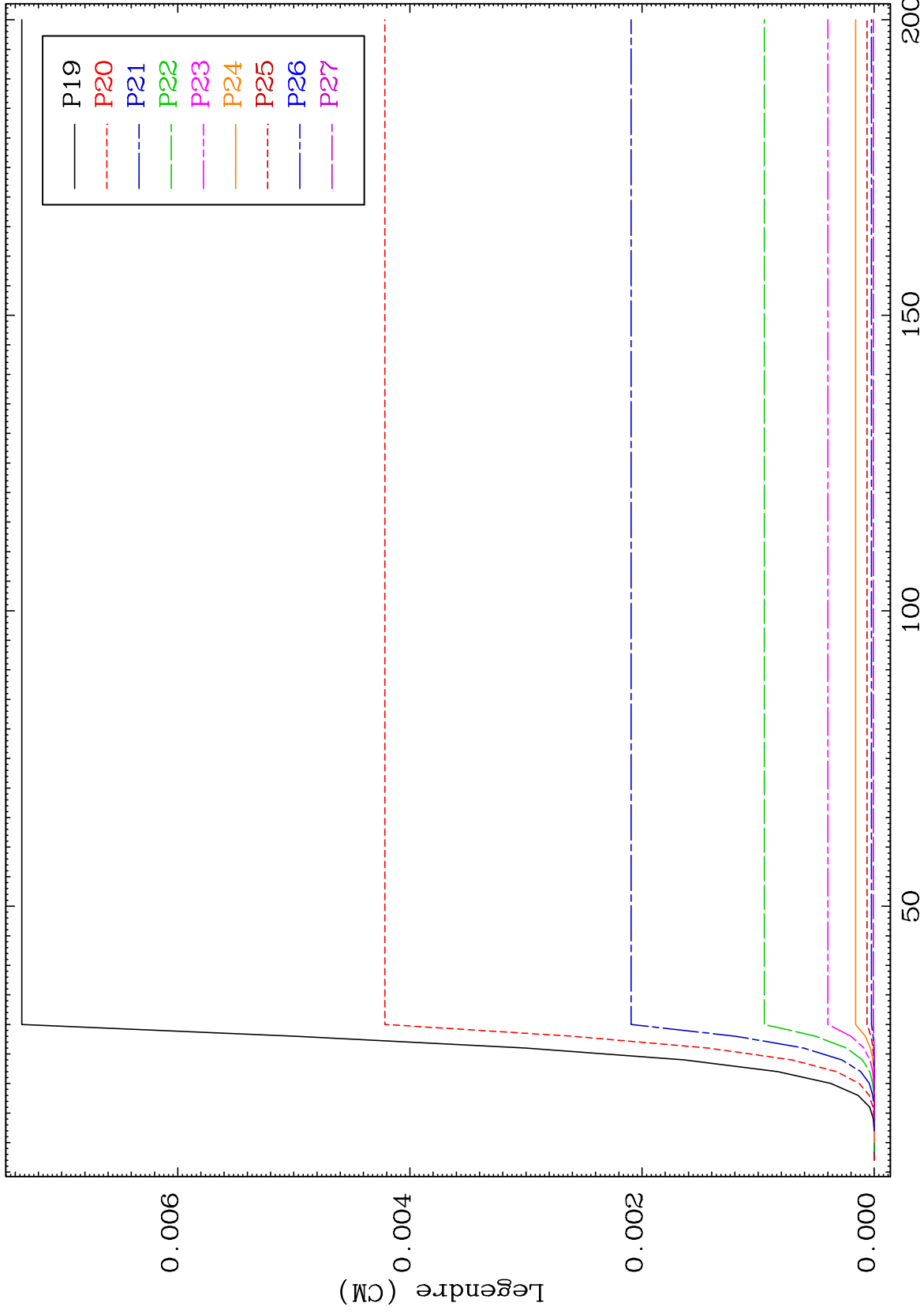
54-Xe-116



22

Incident Energy (MeV)

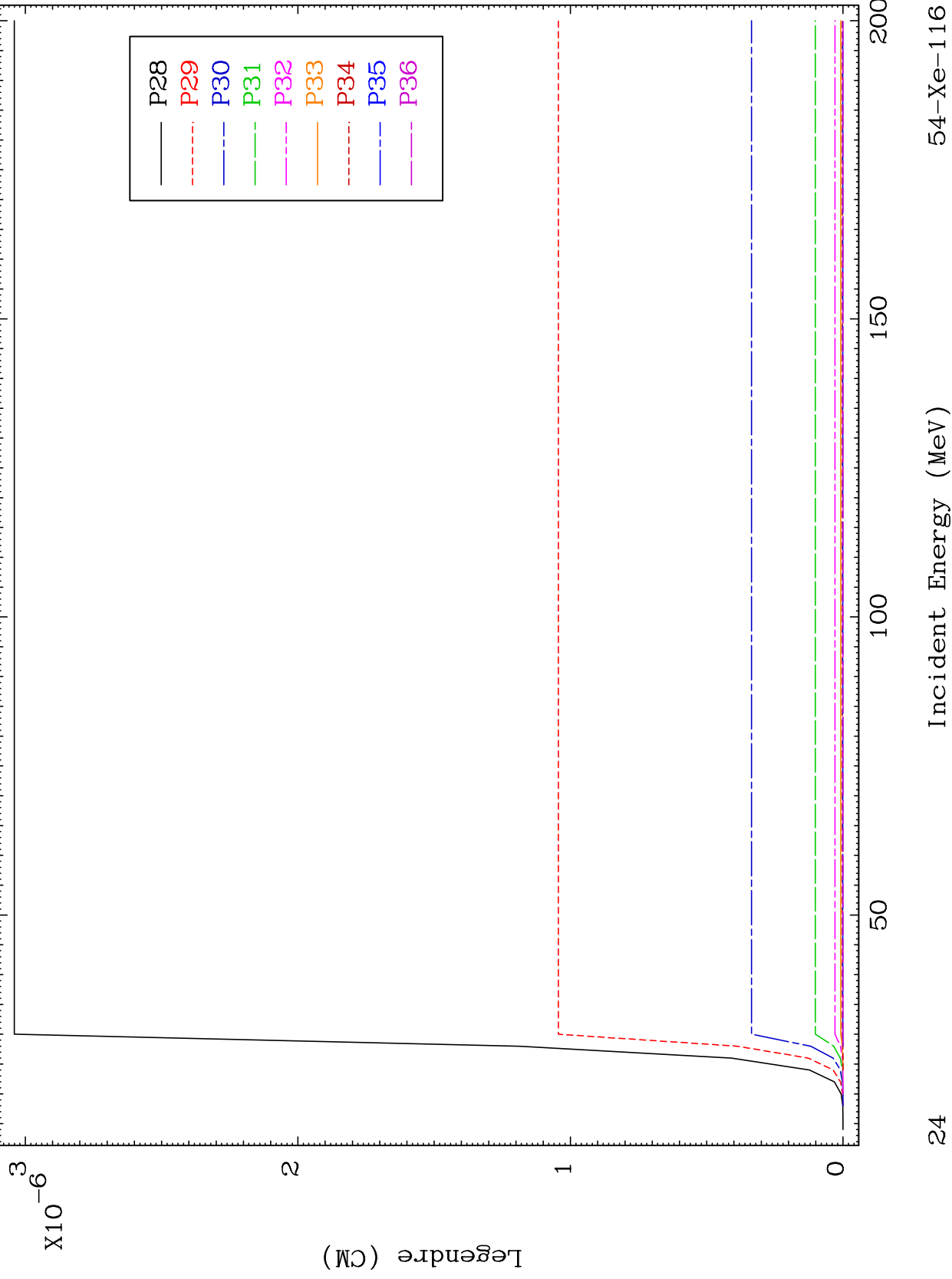
54-Xe-116



MAT 5401

393.6 keV (n,n') Level
Legendre Coefficients

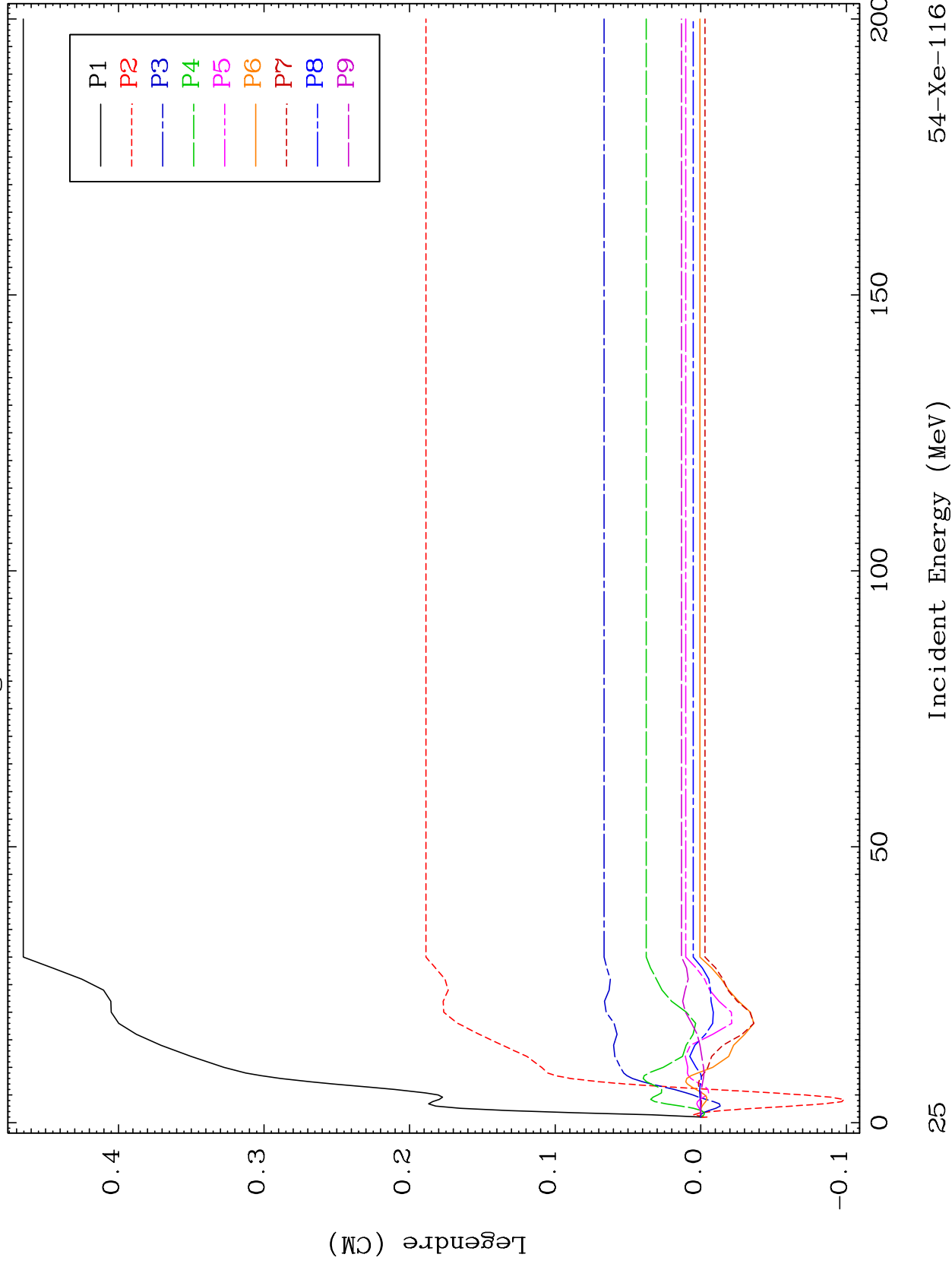
54-Xe-116



MAT 5401

917.9 keV (n,n') Level
Legendre Coefficients

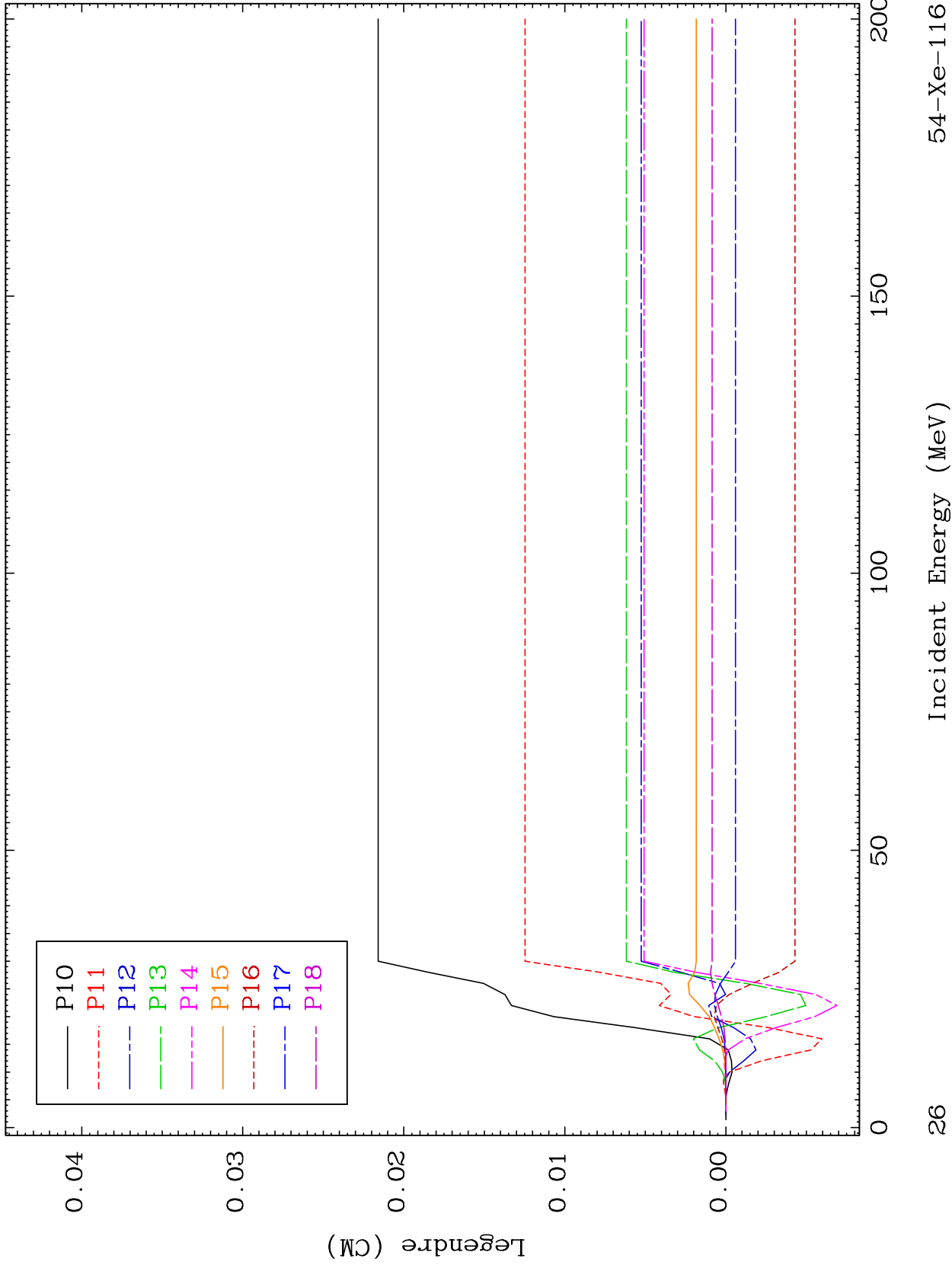
54-Xe-116



54-Xe-116

Incident Energy (MeV)

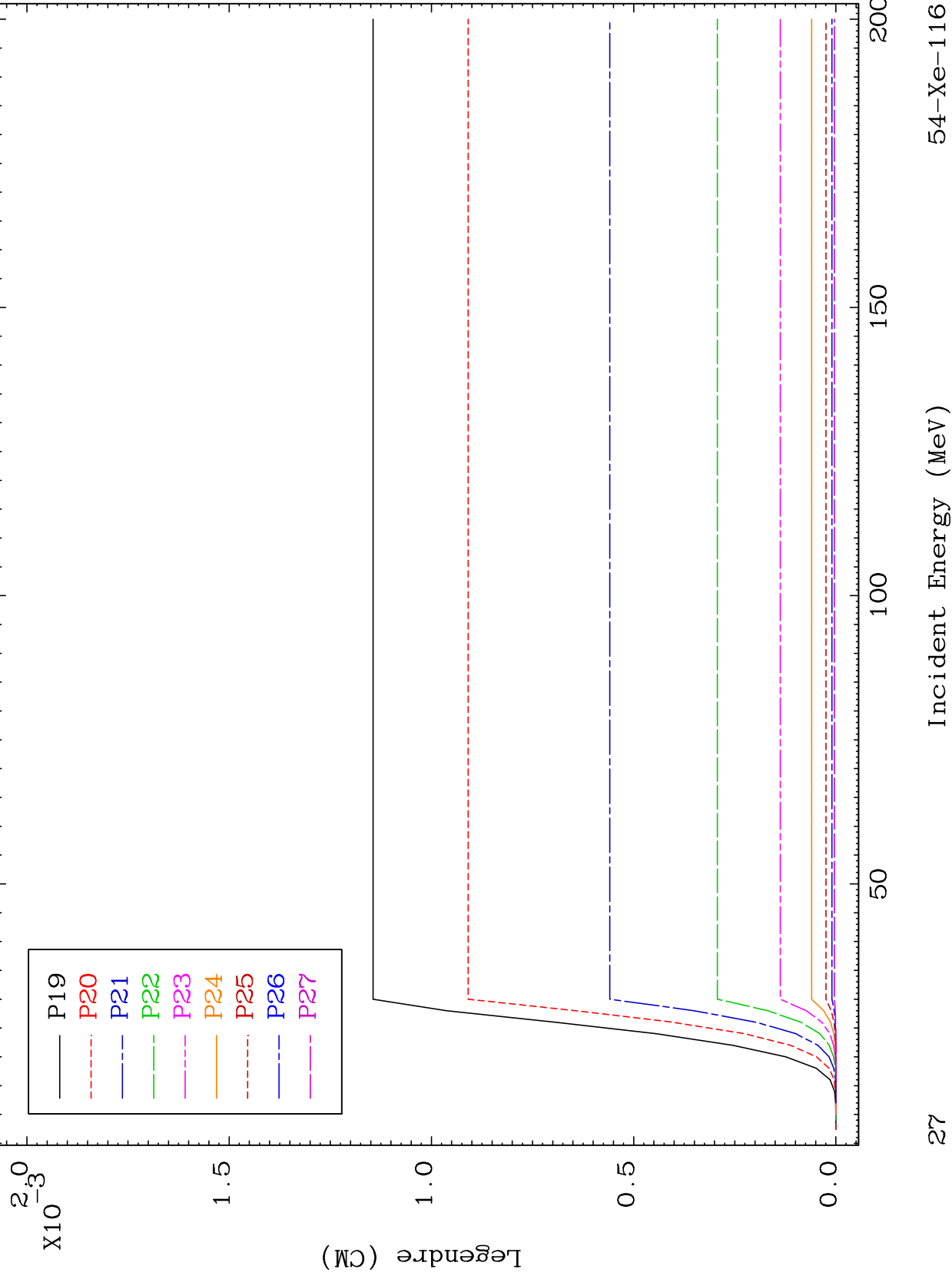
25



MAT 5401

917.9 keV (n,n') Level
Legendre Coefficients

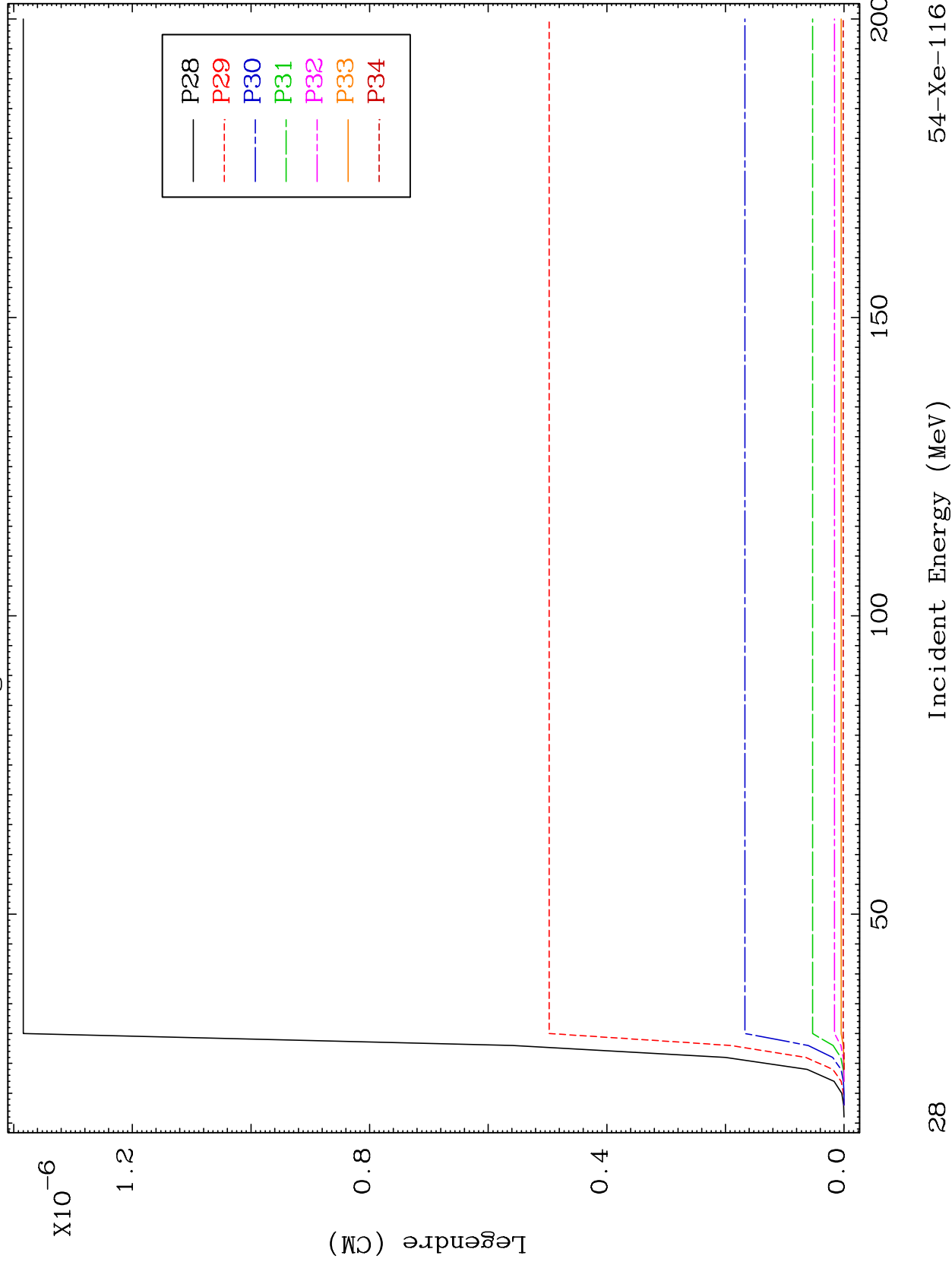
54-Xe-116



MAT 5401

917.9 keV (n,n') Level
Legendre Coefficients

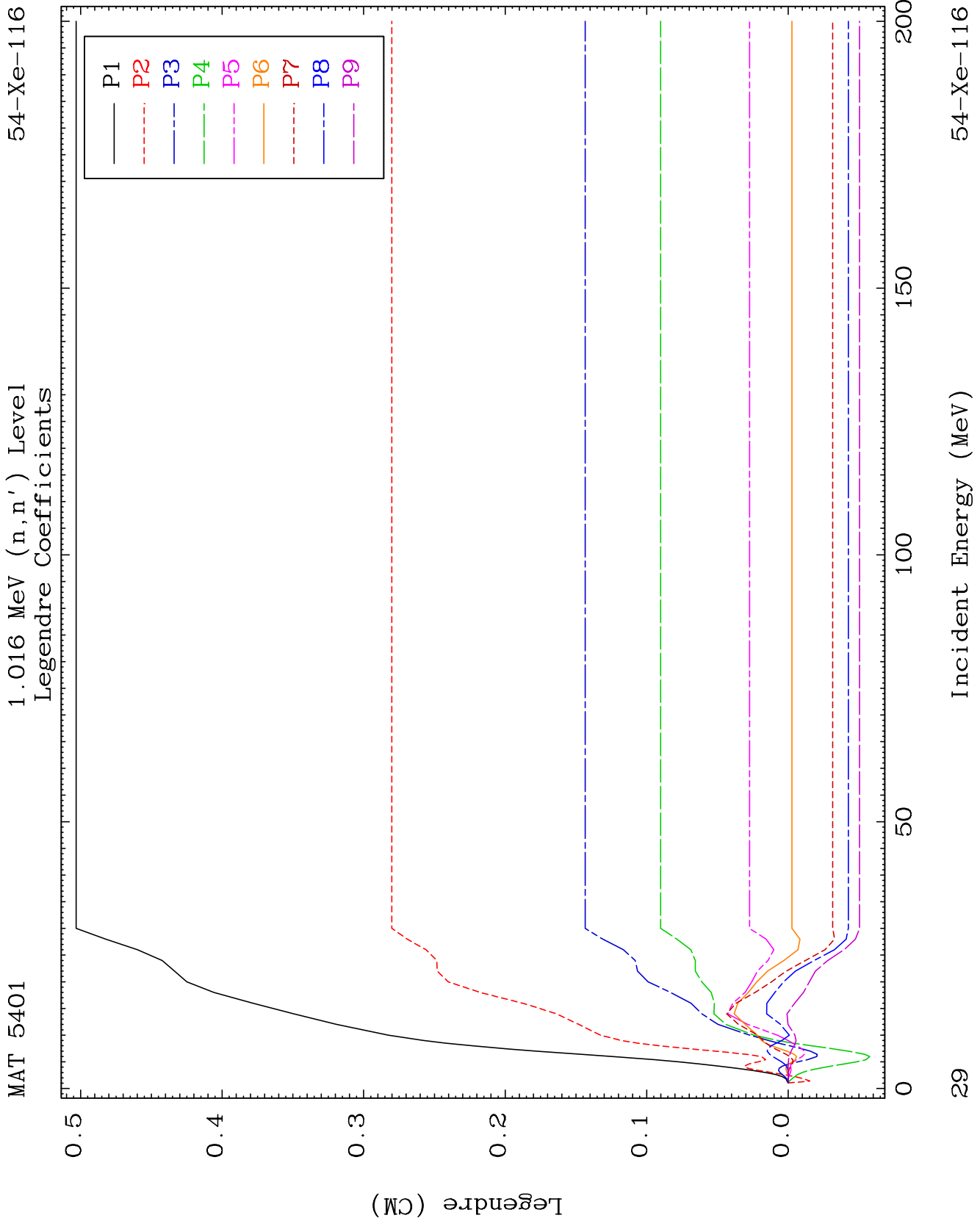
54-Xe-116



28

Incident Energy (MeV)

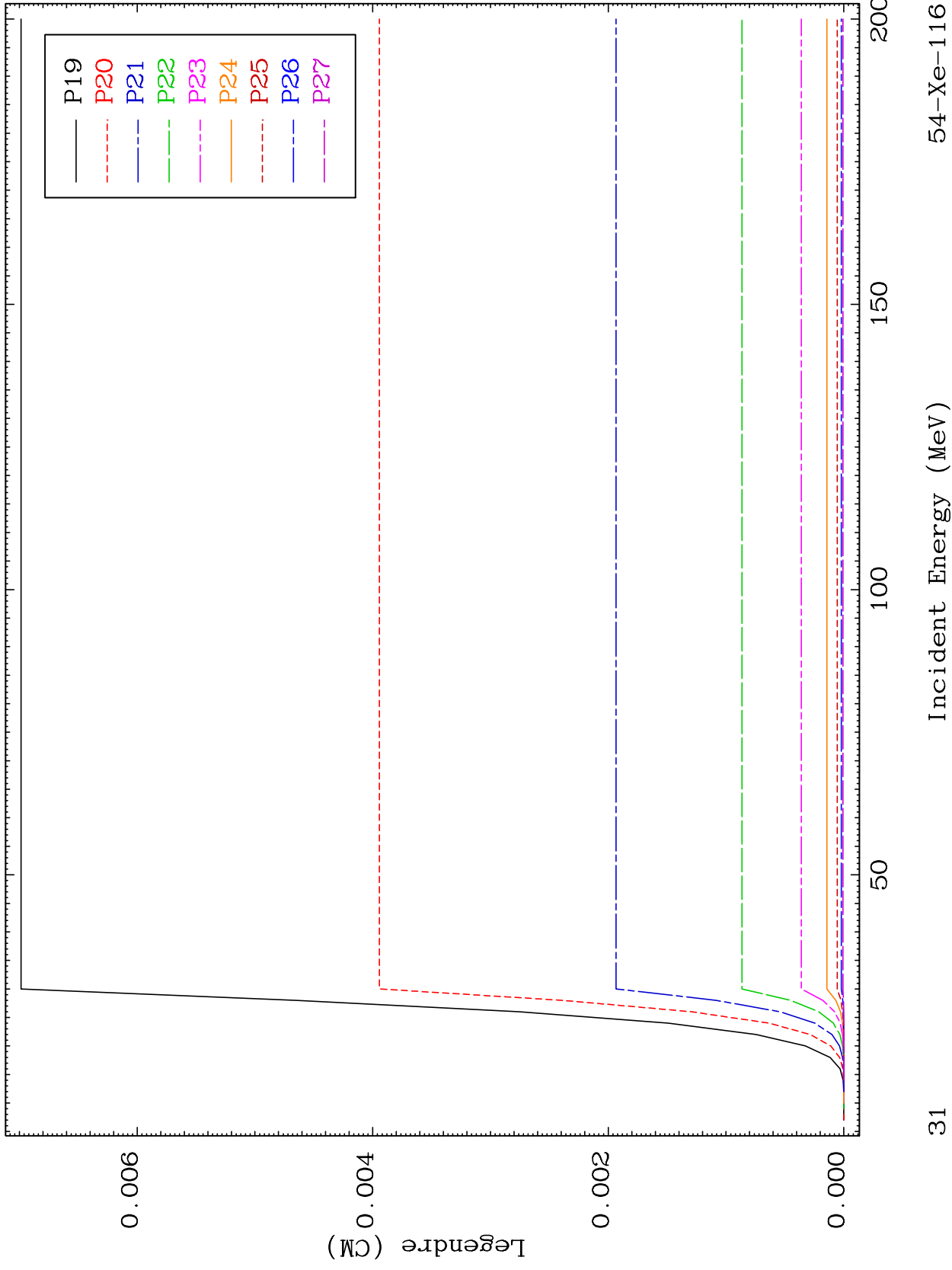
54-Xe-116



MAT 5401

1.016 MeV (n,n') Level
Legendre Coefficients

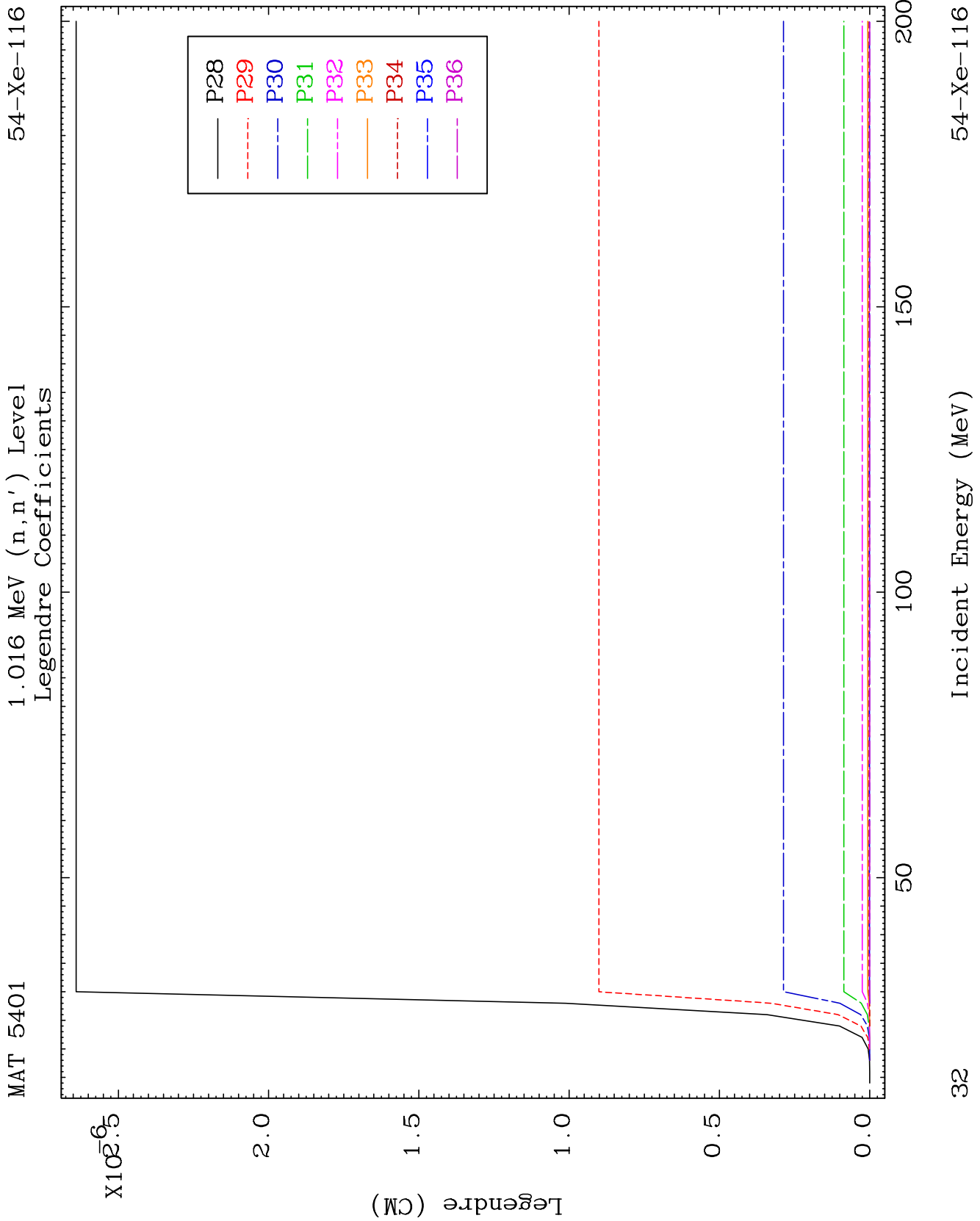
54-Xe-116

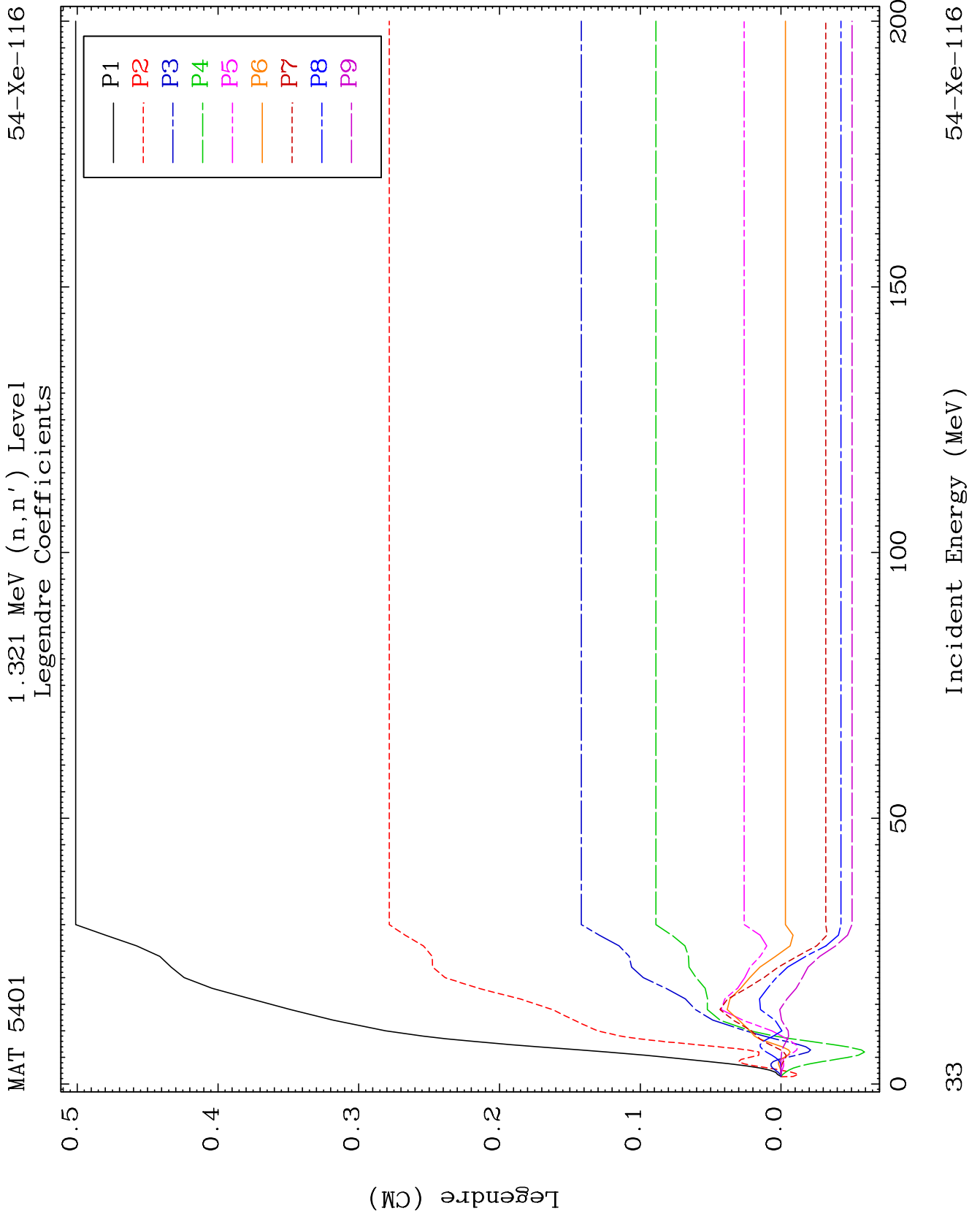


31

Incident Energy (MeV)

54-Xe-116

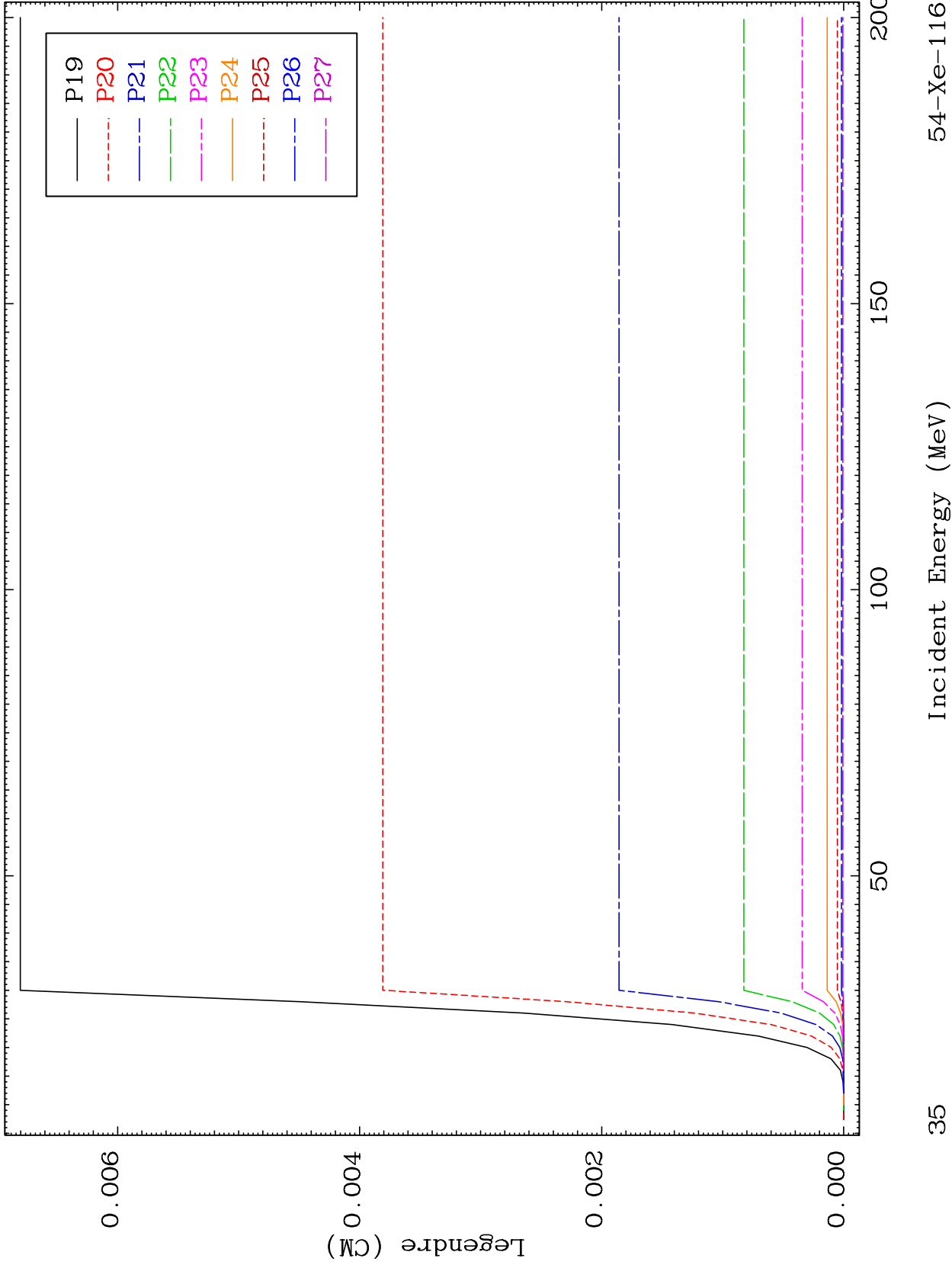




MAT 5401

1.321 MeV (n,n') Level
Legendre Coefficients

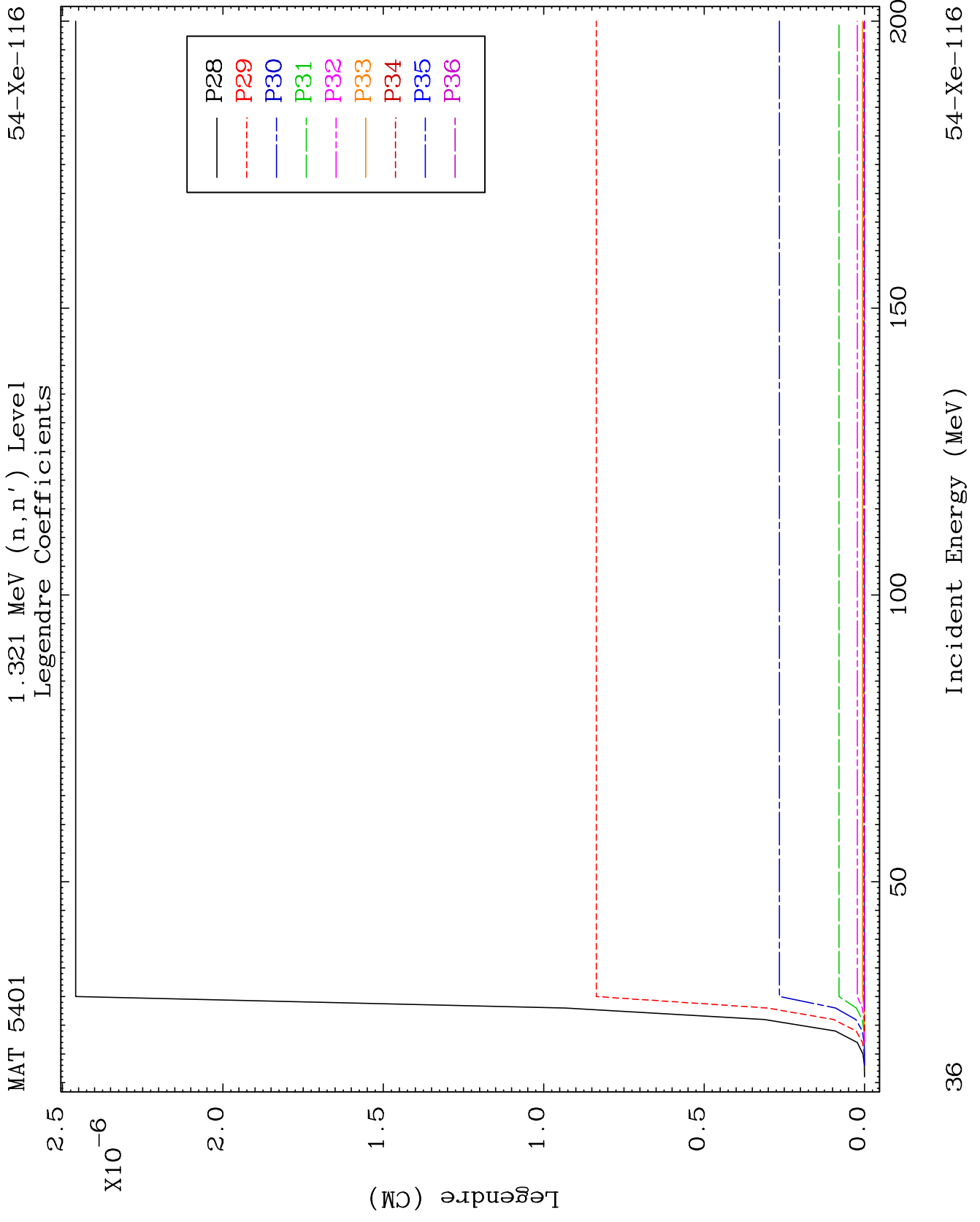
54-Xe-116

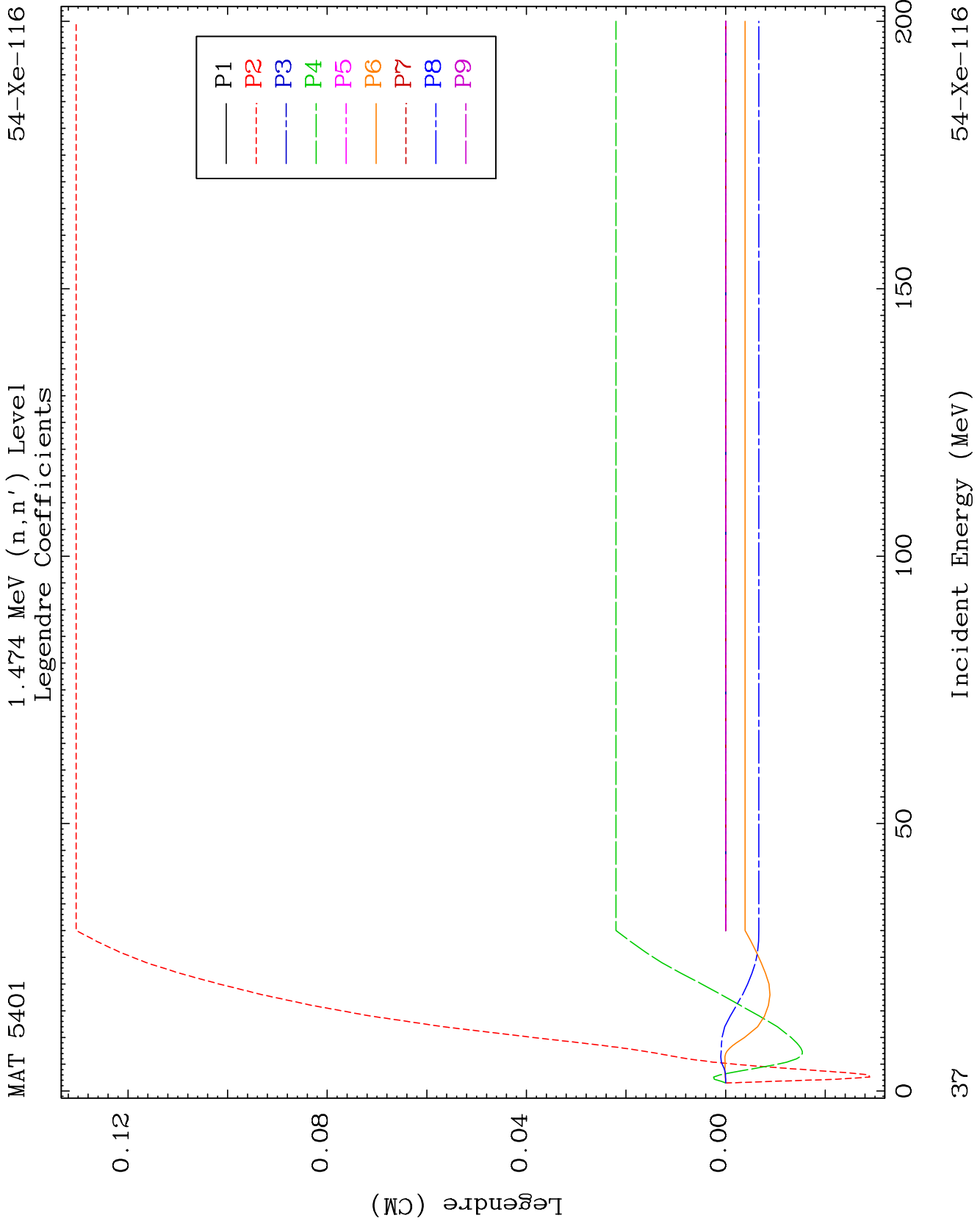


35

Incident Energy (MeV)

54-Xe-116

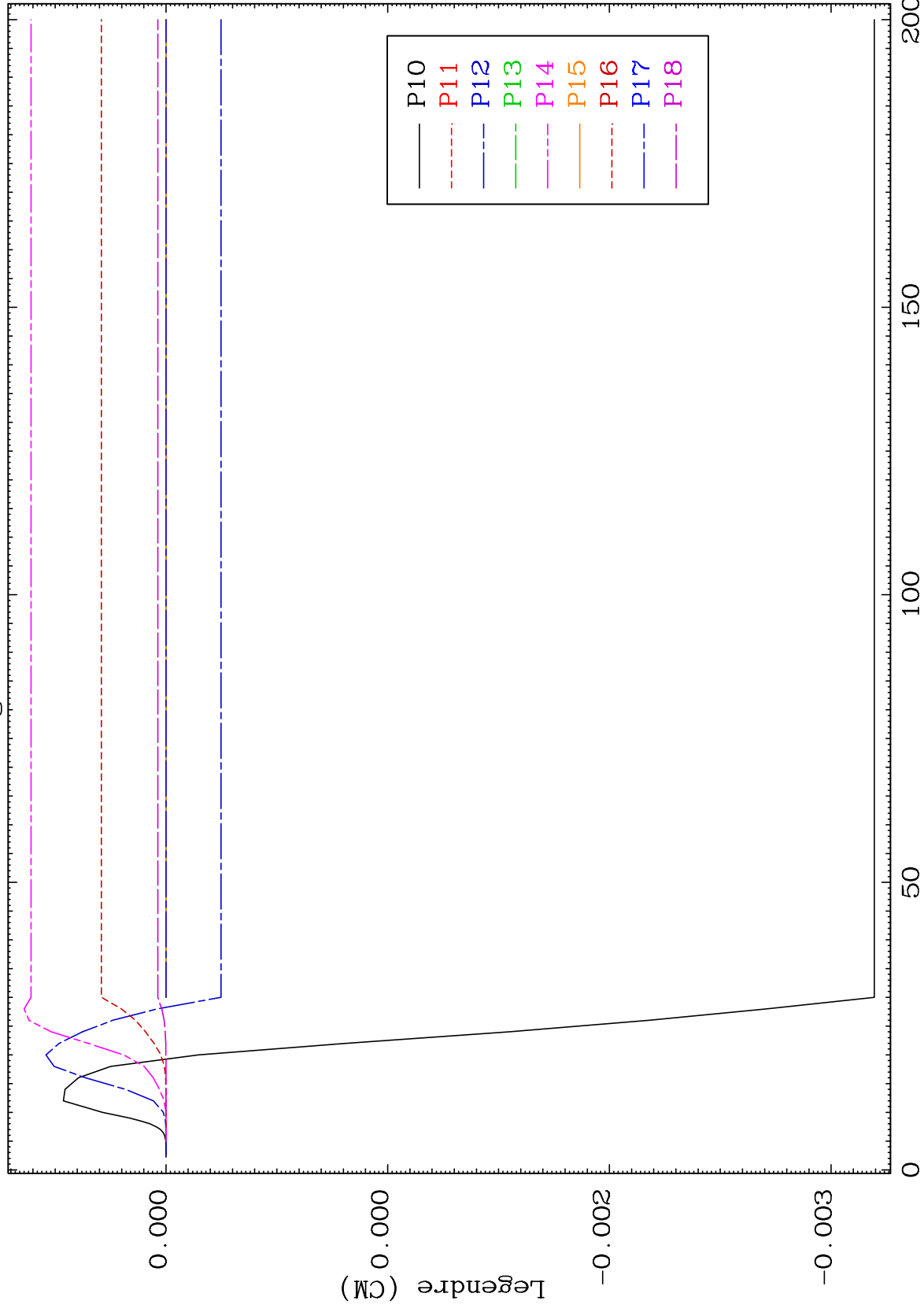




MAT 5401

1.474 MeV (n,n') Level
Legendre Coefficients

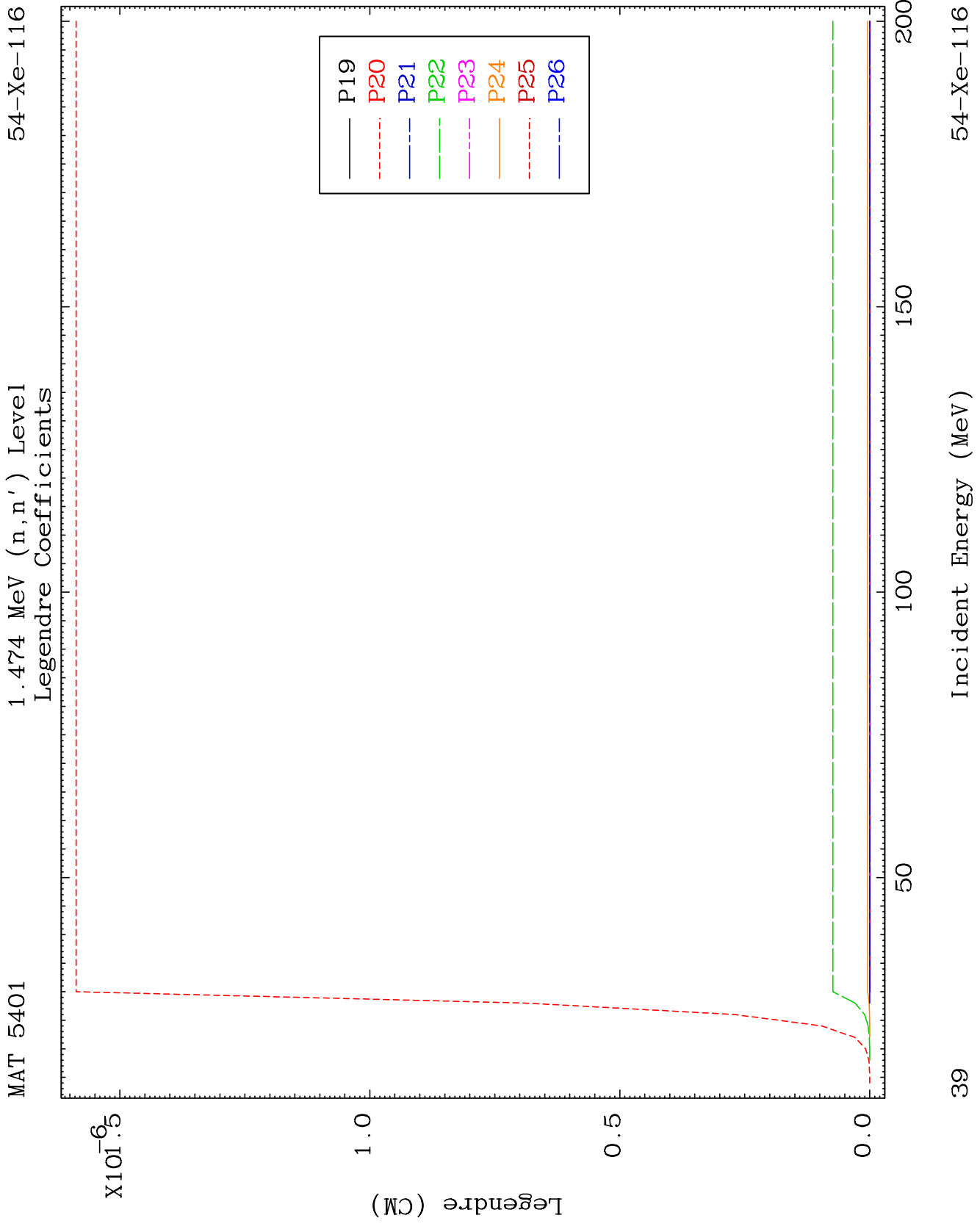
54-Xe-116



38

Incident Energy (MeV)

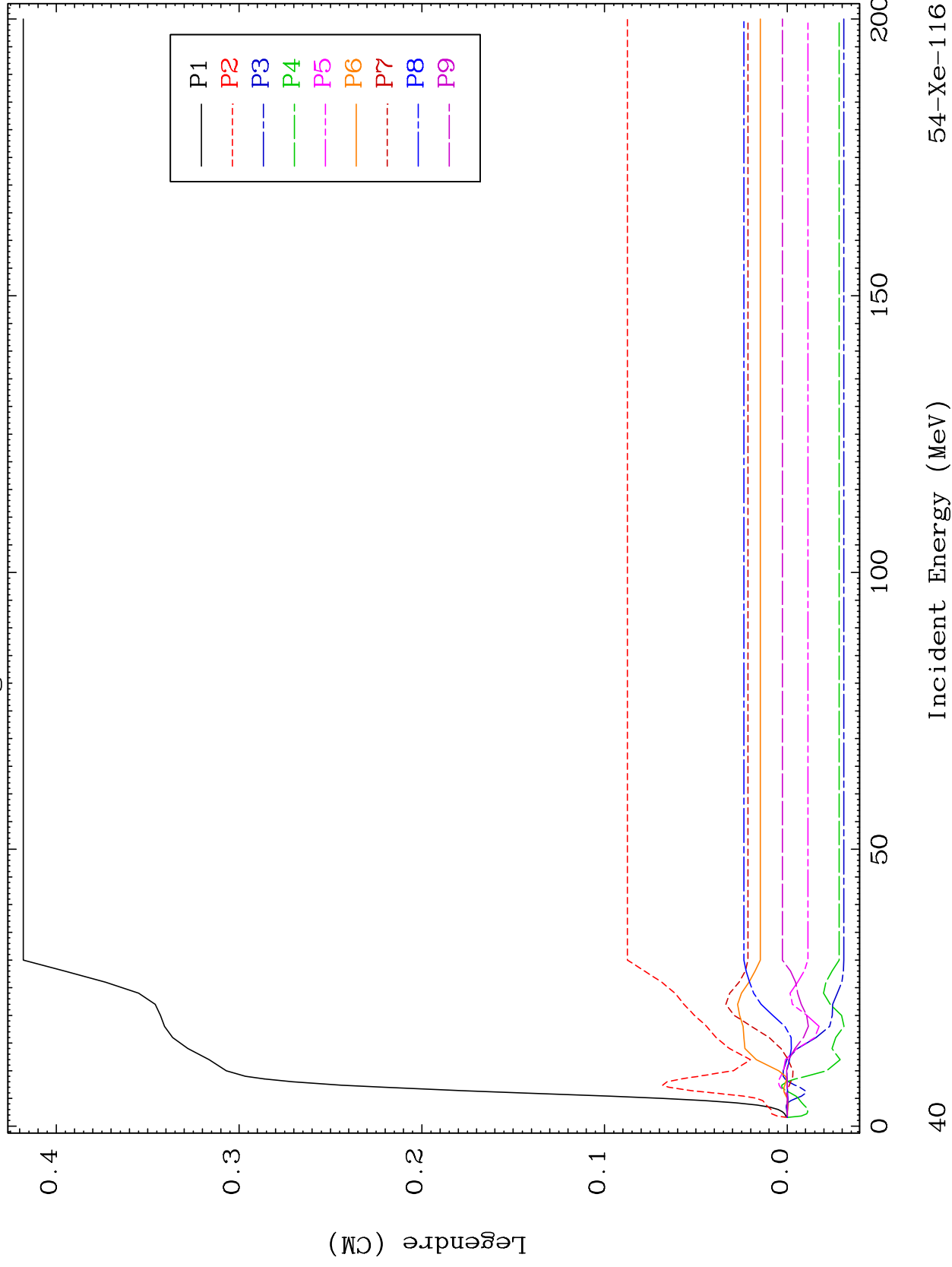
54-Xe-116



MAT 5401

1.534 MeV (n,n') Level
Legendre Coefficients

54-Xe-116



54-Xe-116

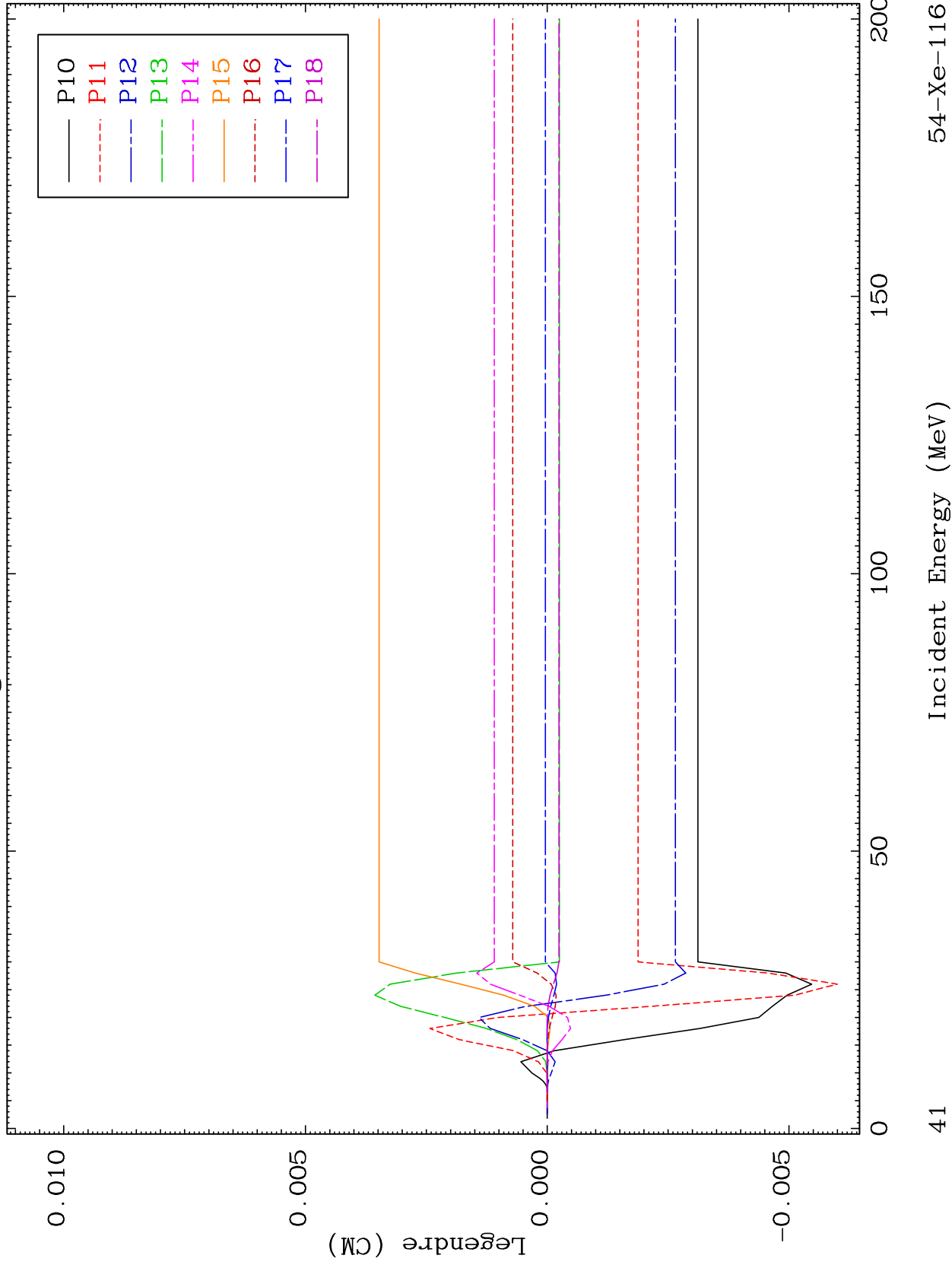
Incident Energy (MeV)

40

MAT 5401

1.534 MeV (n,n') Level
Legendre Coefficients

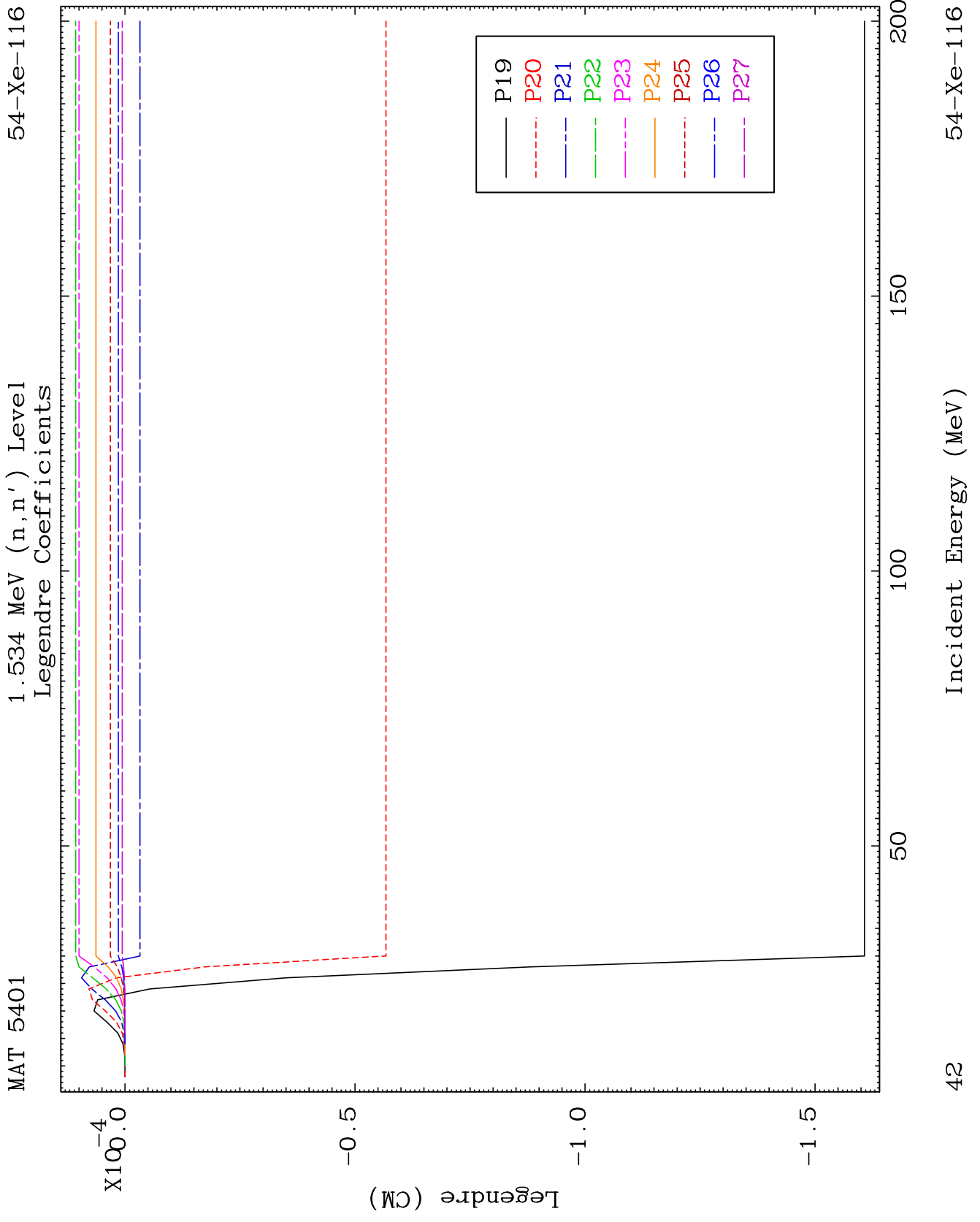
54-Xe-116



41

Incident Energy (MeV)

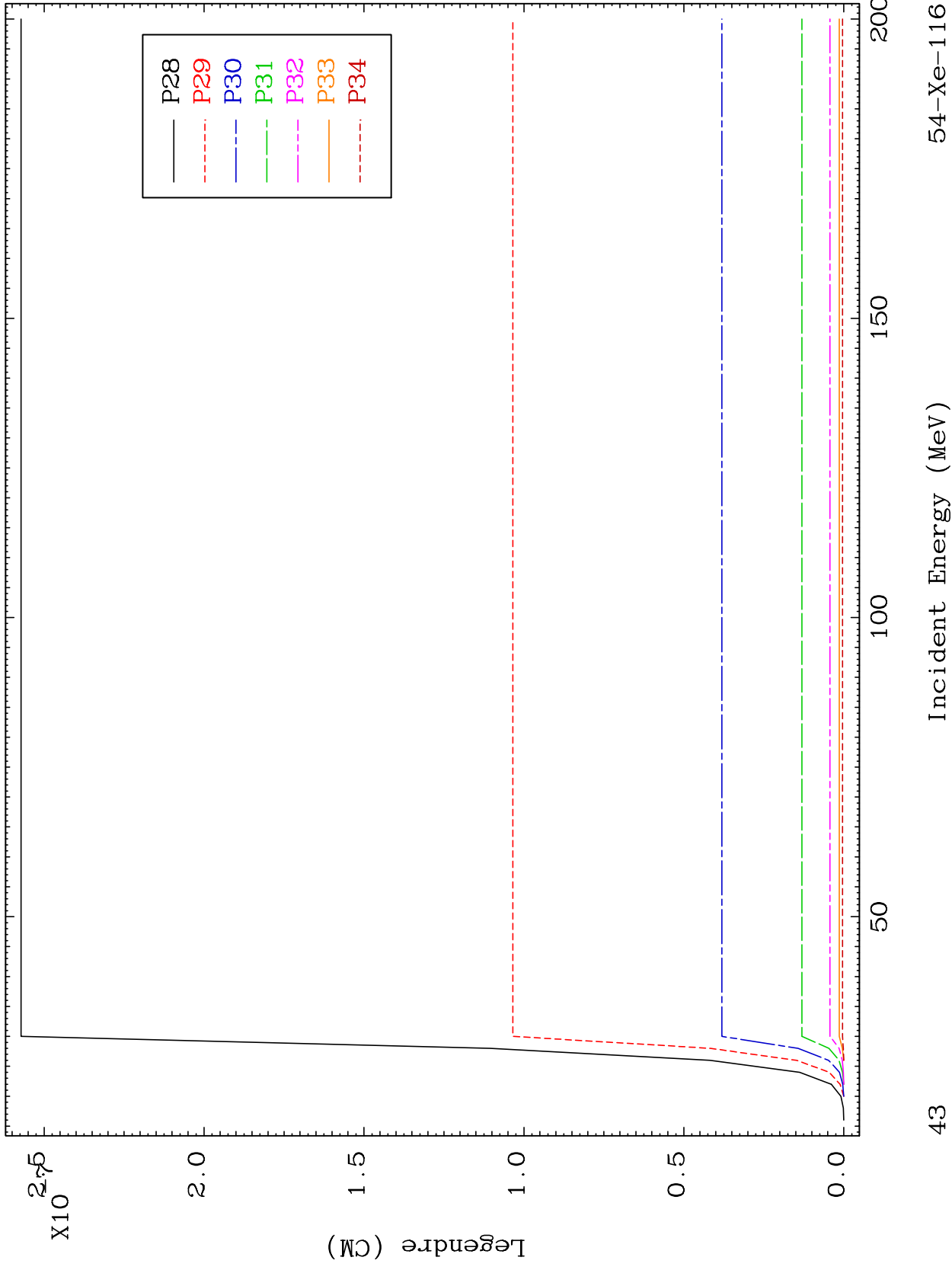
54-Xe-116



MAT 5401

1.534 MeV (n, n') Level
Legendre Coefficients

54-Xe-116



43

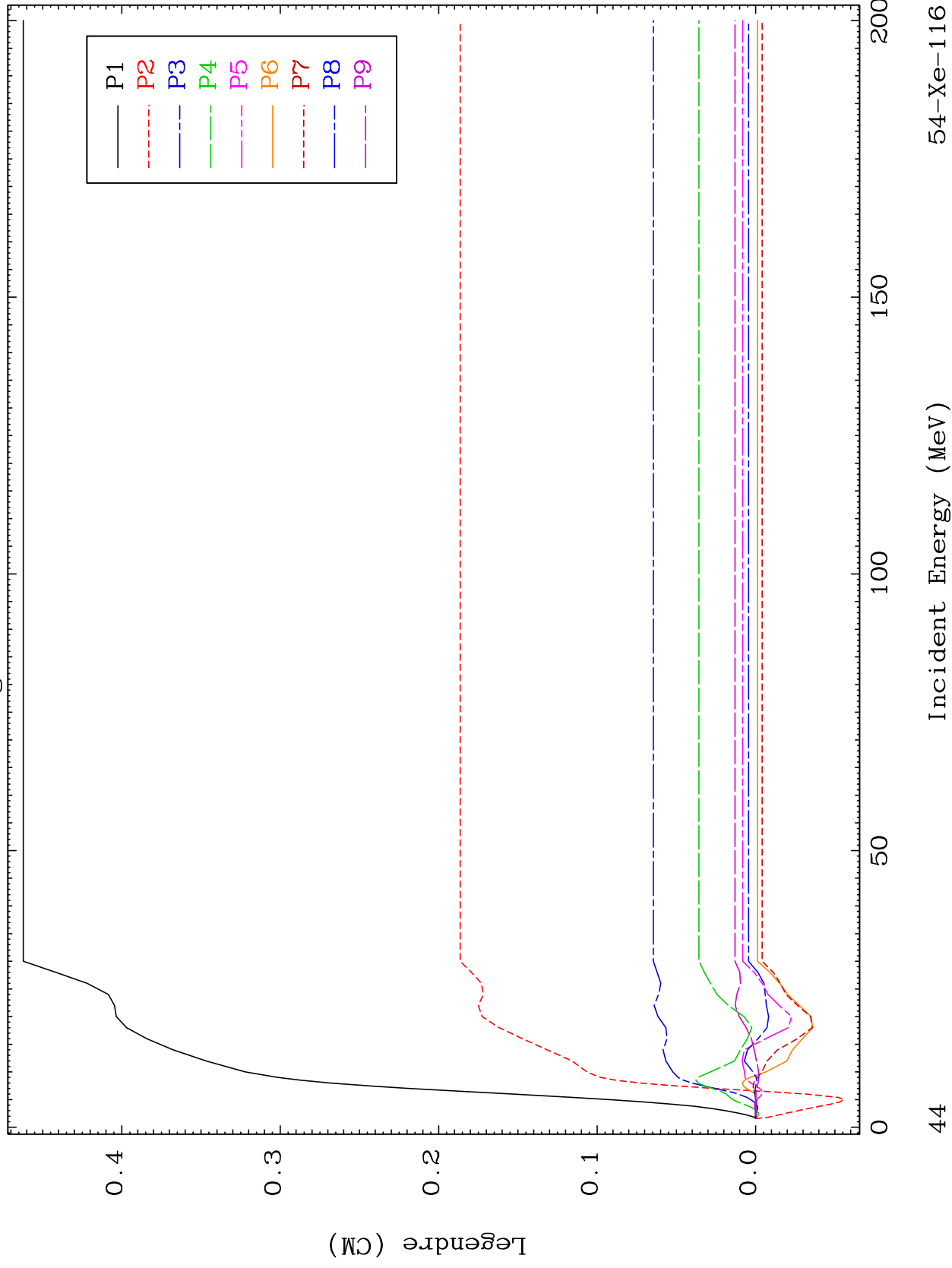
Incident Energy (MeV)

54-Xe-116

MAT 5401

1.557 MeV (n, n') Level
Legendre Coefficients

54-Xe-116



54-Xe-116

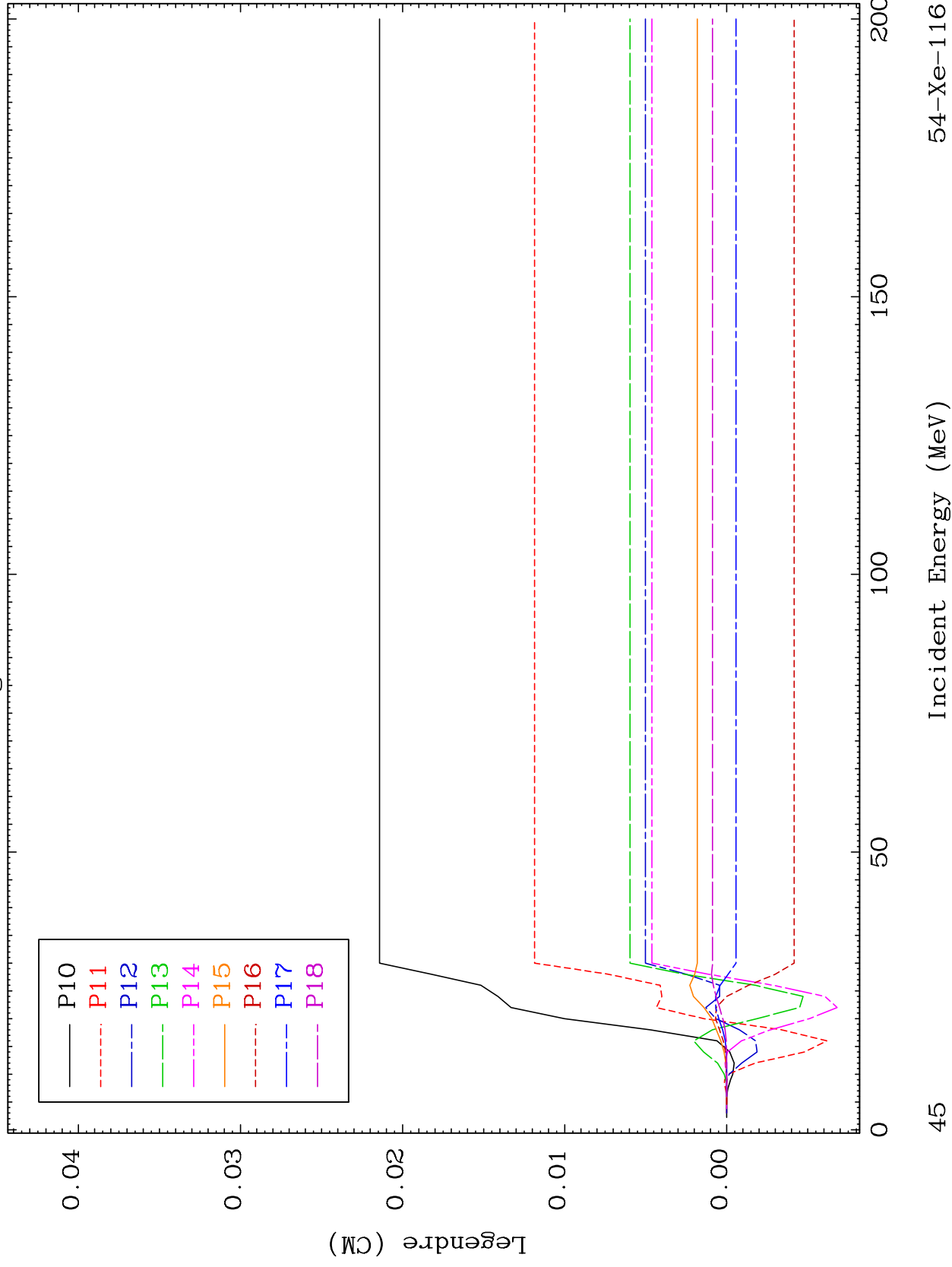
Incident Energy (MeV)

44

MAT 5401

1.557 MeV (n,n') Level
Legendre Coefficients

54-Xe-116



54-Xe-116

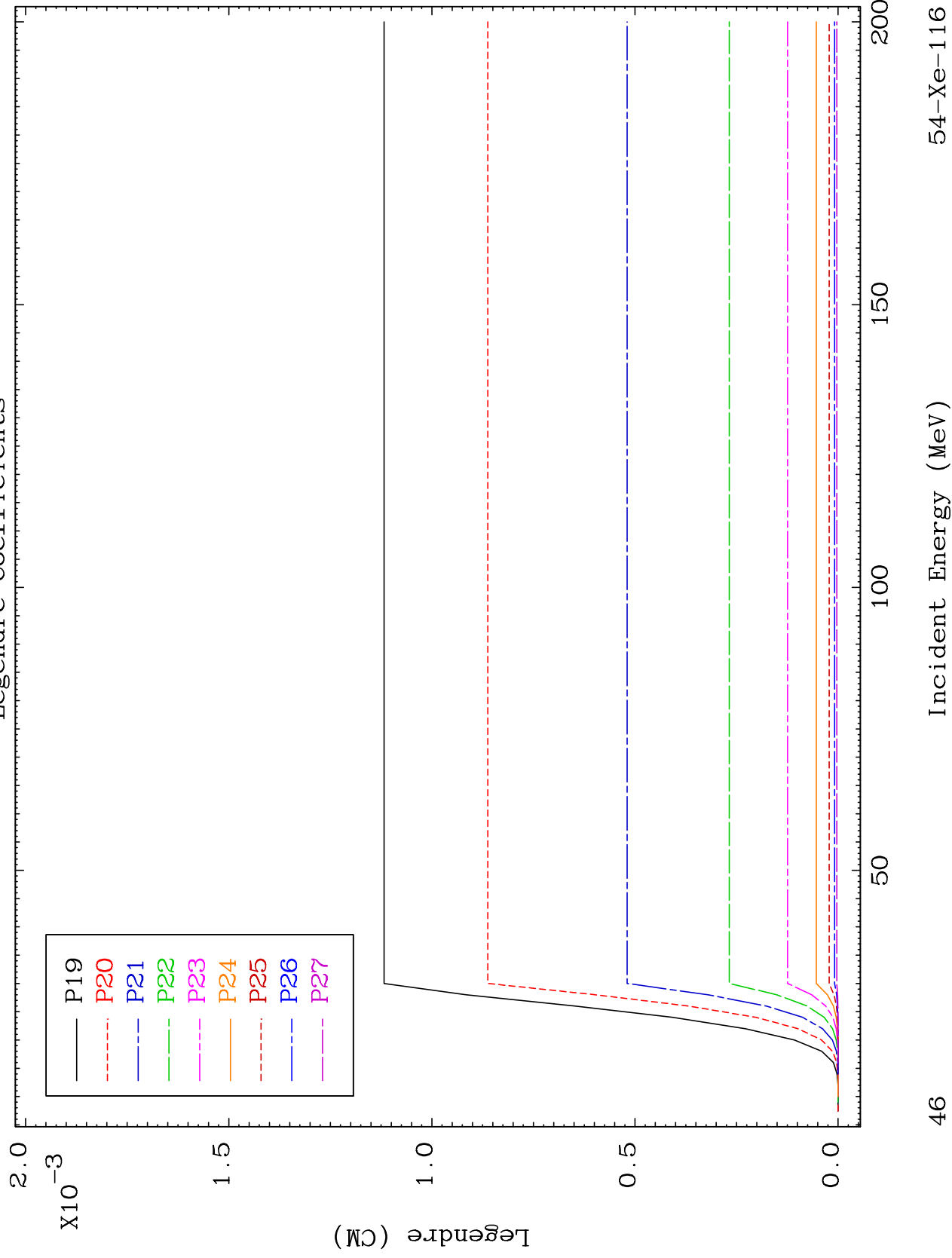
Incident Energy (MeV)

45

MAT 5401

1.557 MeV (n,n') Level
Legendre Coefficients

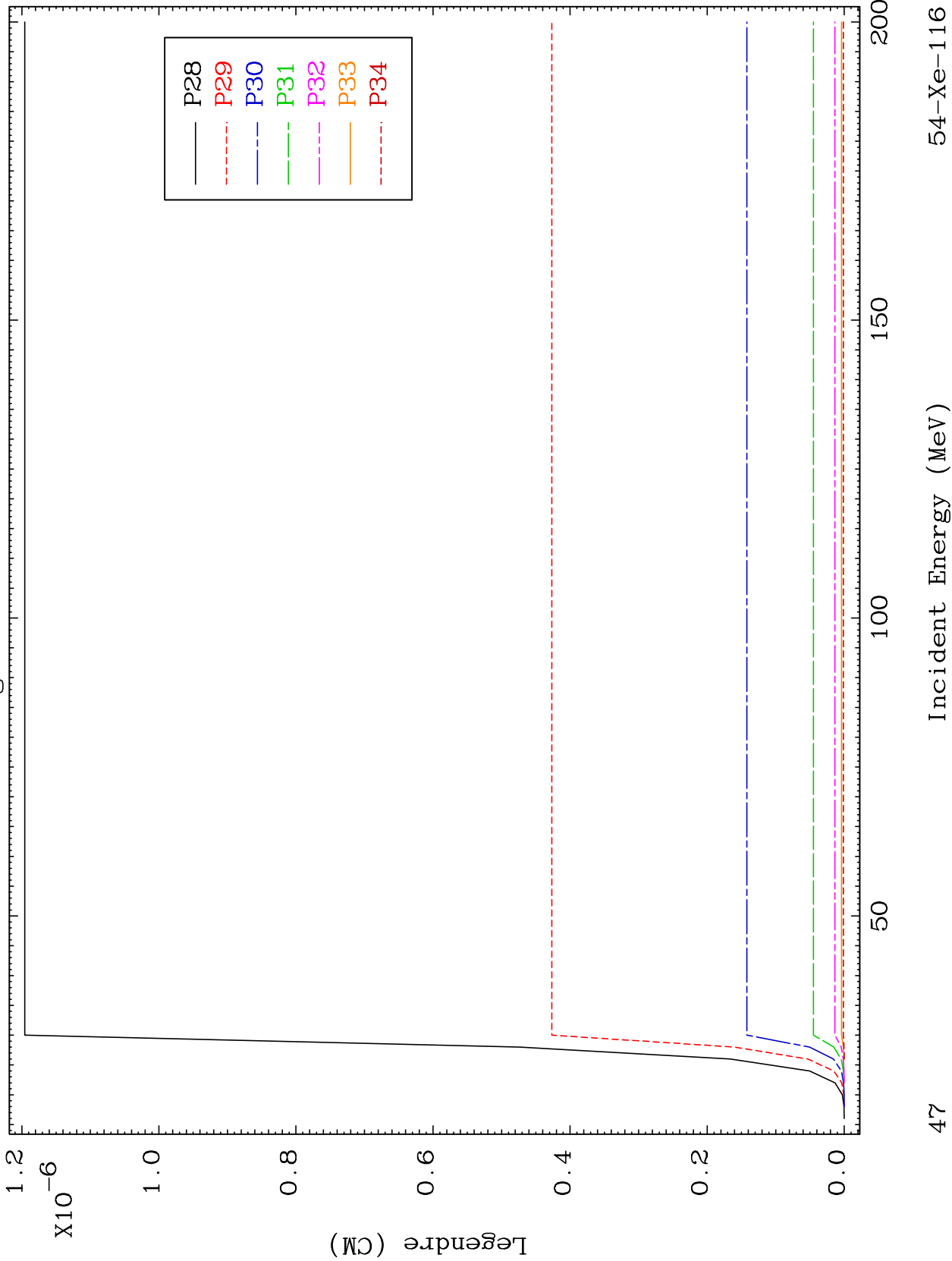
54-Xe-116



46

Incident Energy (MeV)

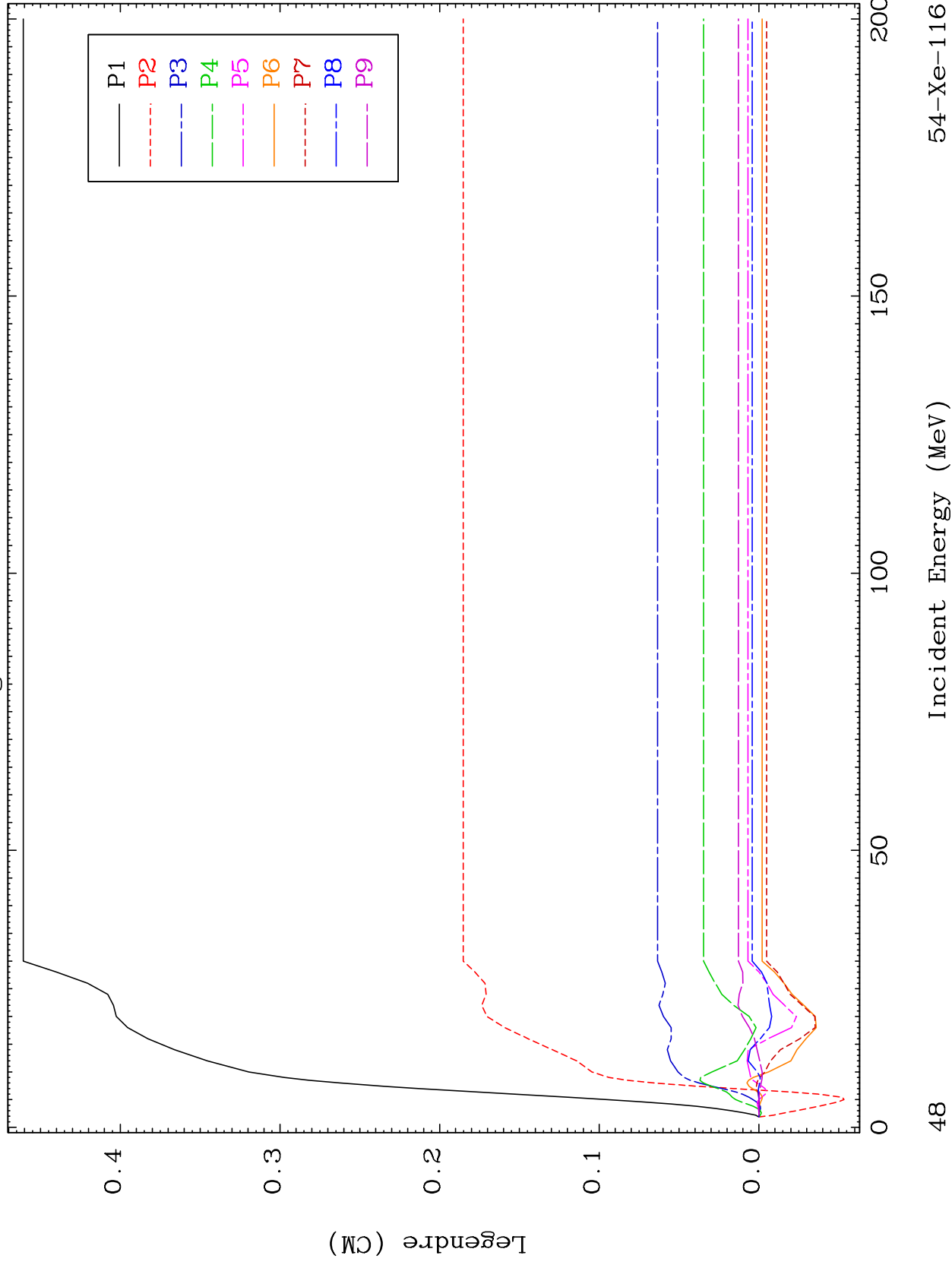
54-Xe-116



MAT 5401

1.839 MeV (n,n') Level
Legendre Coefficients

54-Xe-116



48

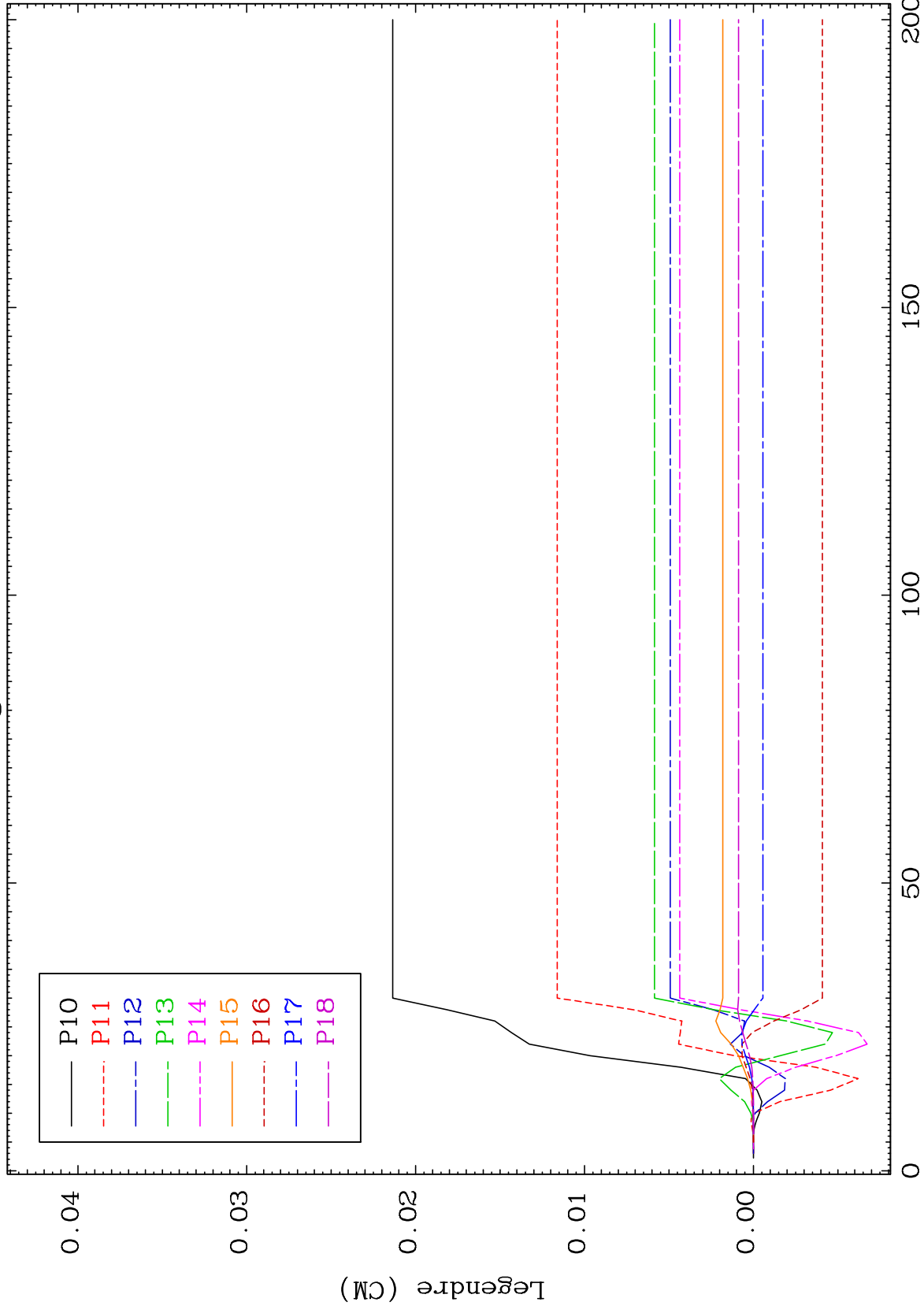
Incident Energy (MeV)

54-Xe-116

MAT 5401

1.839 MeV (n, n') Level
Legendre Coefficients

54-Xe-116



49

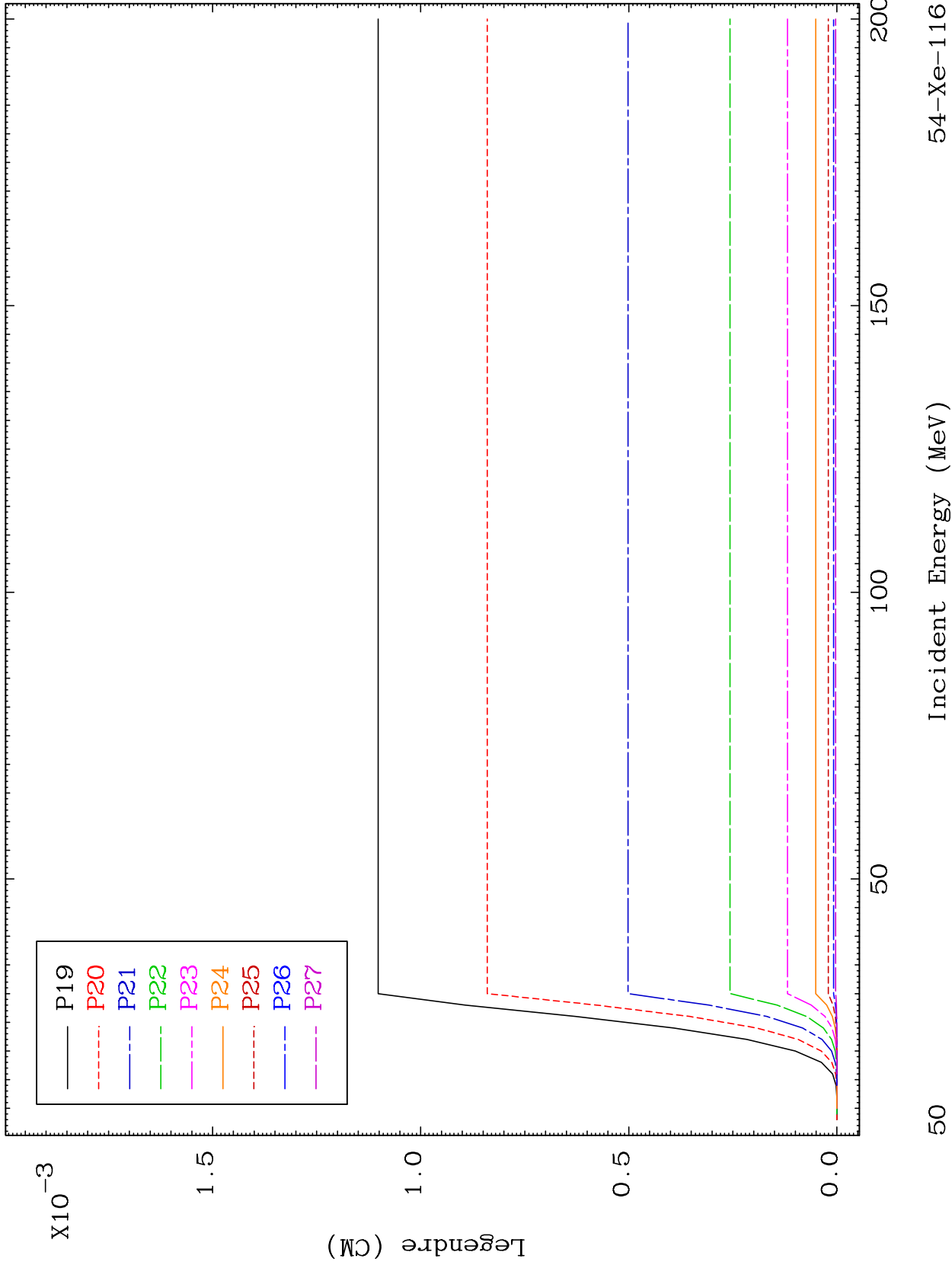
Incident Energy (MeV)

54-Xe-116

MAT 5401

1.839 MeV (n,n') Level
Legendre Coefficients

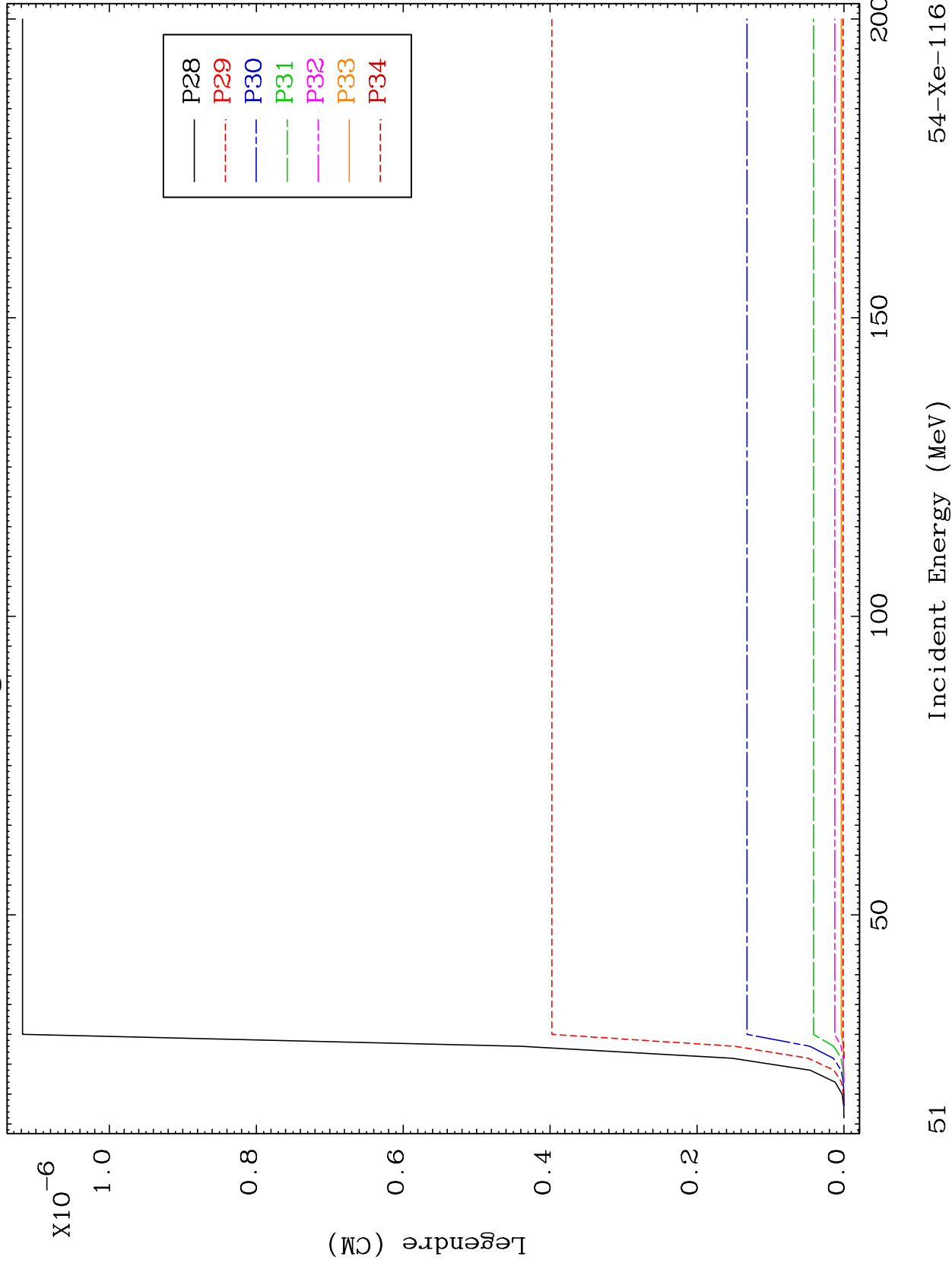
54-Xe-116



MAT 5401

1.839 MeV (n,n') Level
Legendre Coefficients

54-Xe-116



51

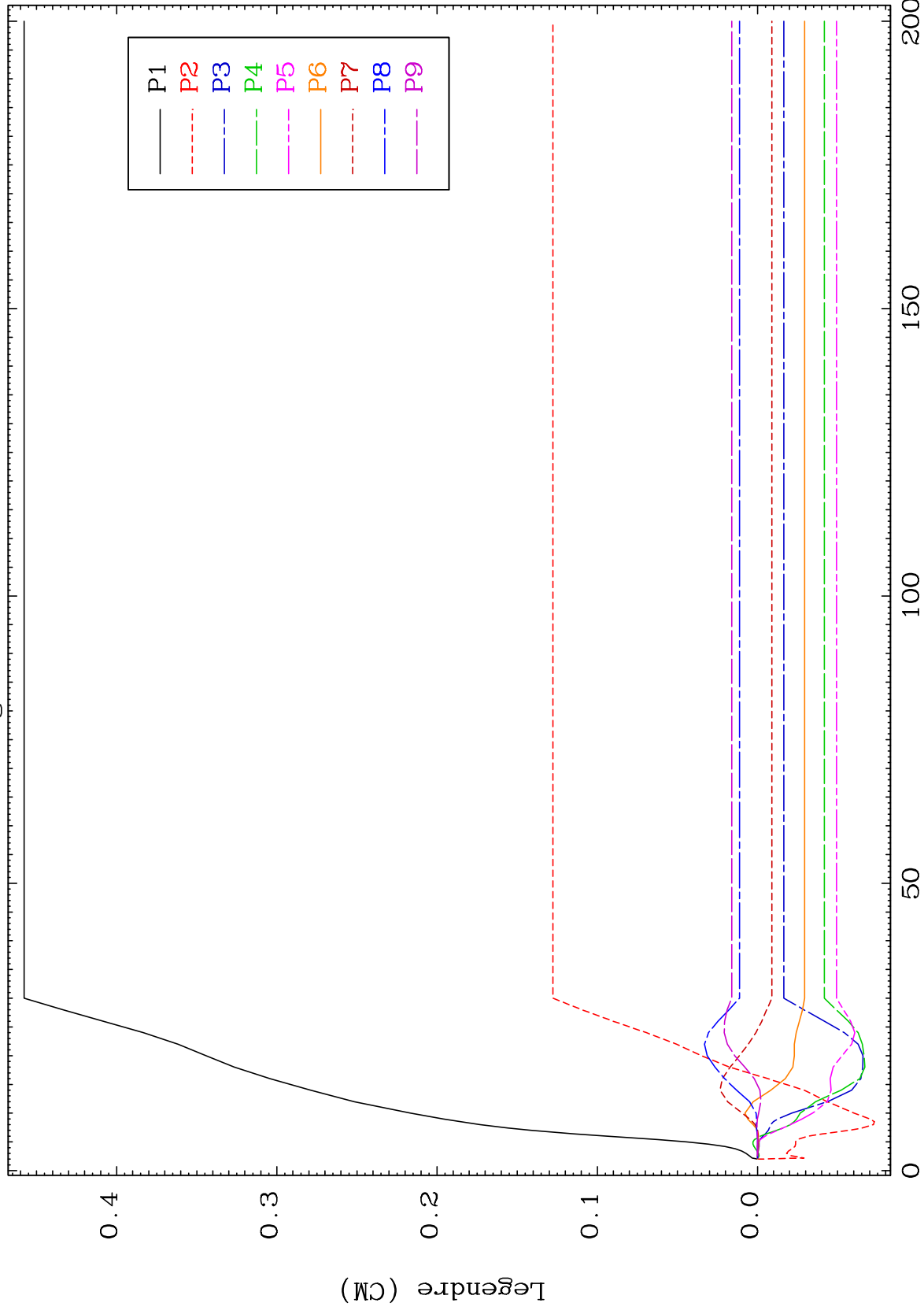
Incident Energy (MeV)

54-Xe-116

MAT 5401

1.980 MeV (n,n') Level
Legendre Coefficients

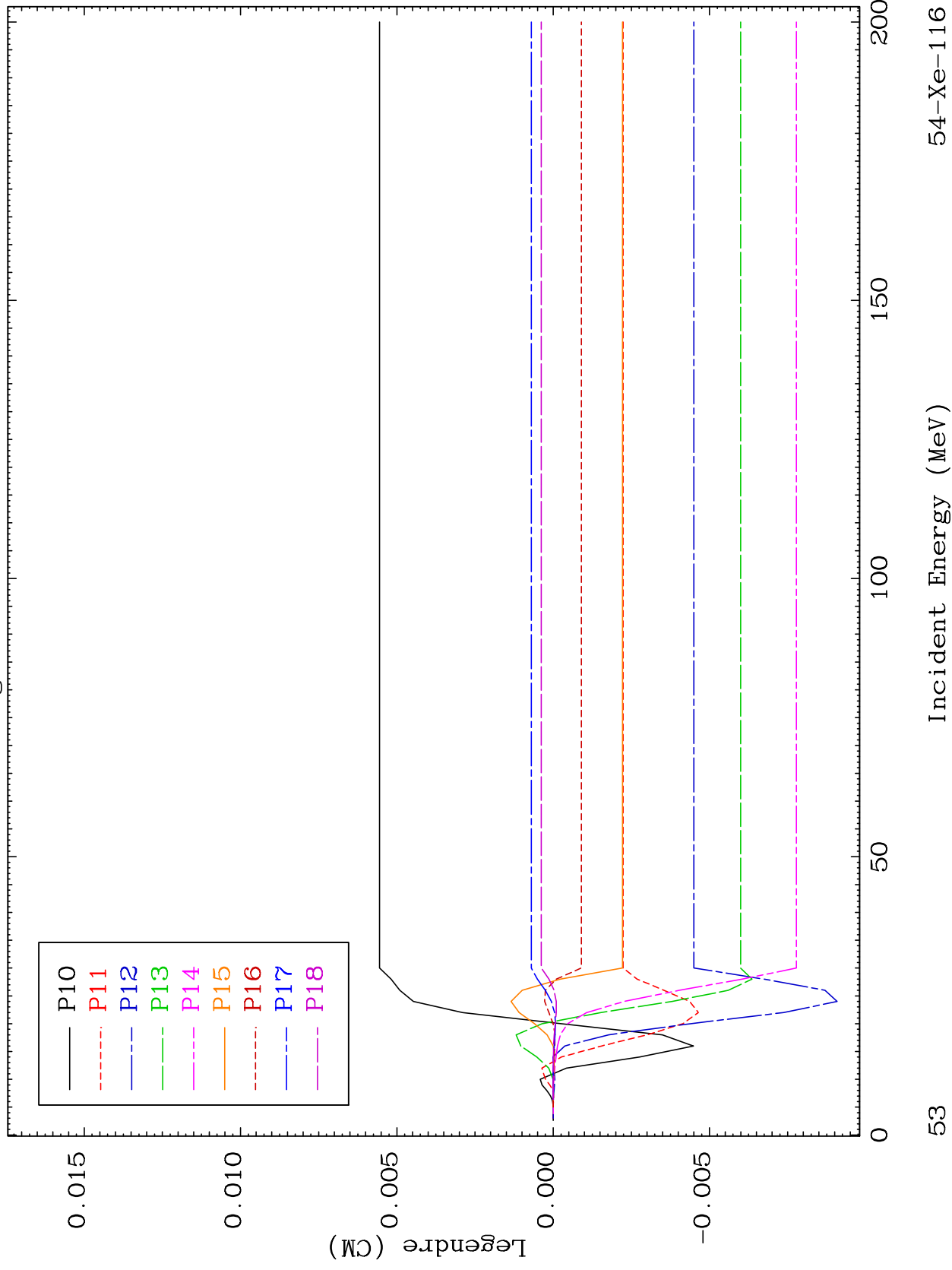
54-Xe-116



52

Incident Energy (MeV)

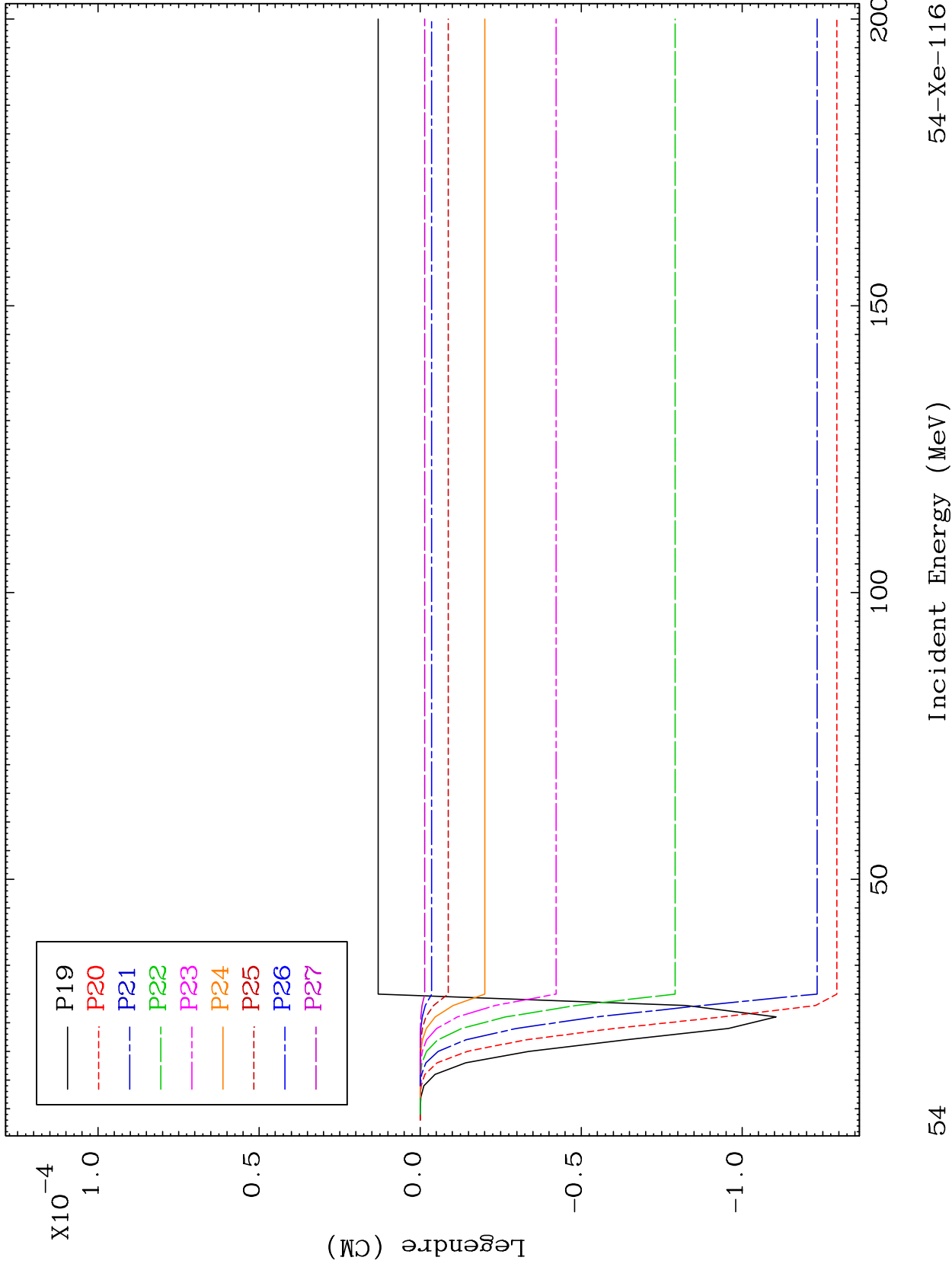
54-Xe-116



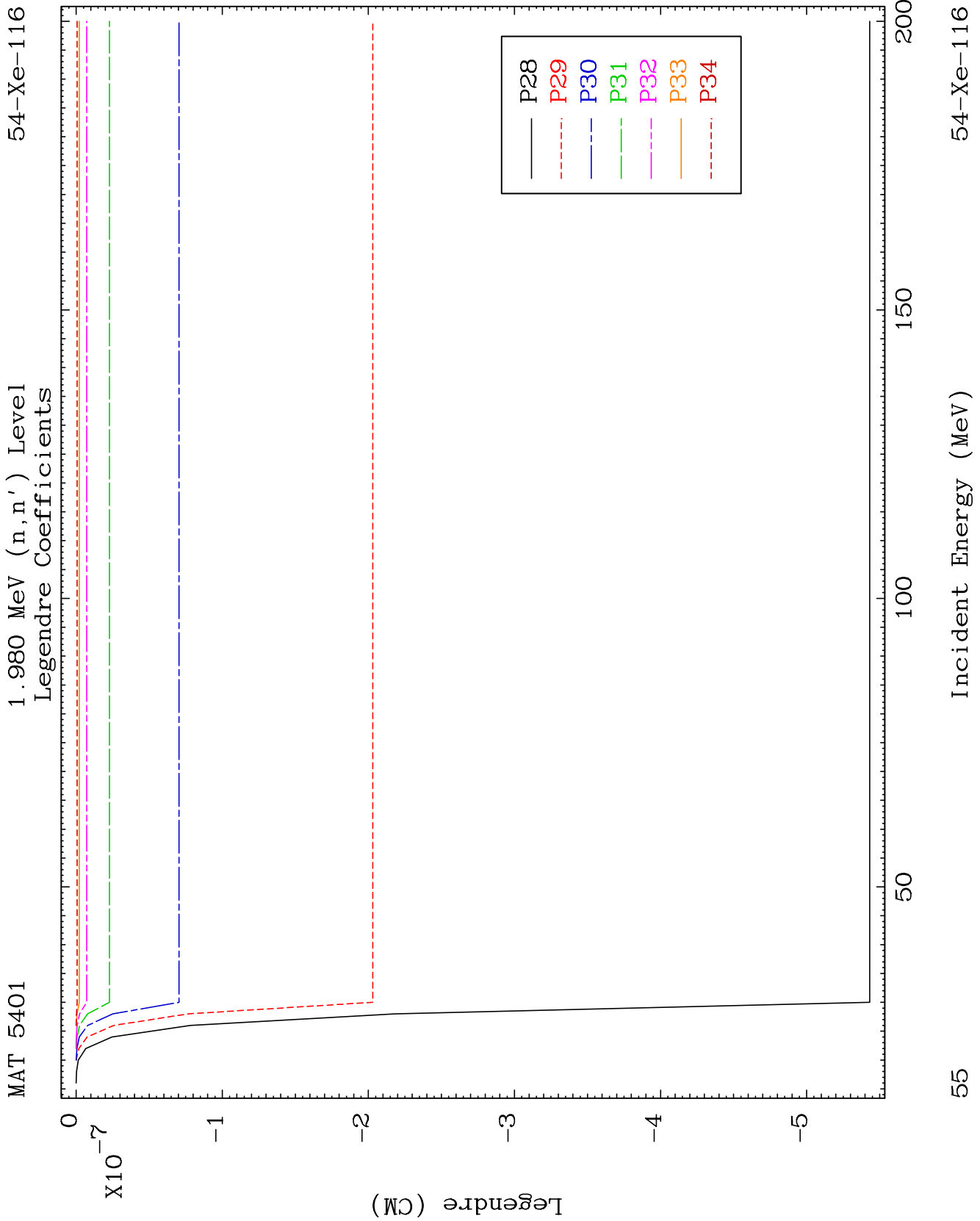
MAT 5401

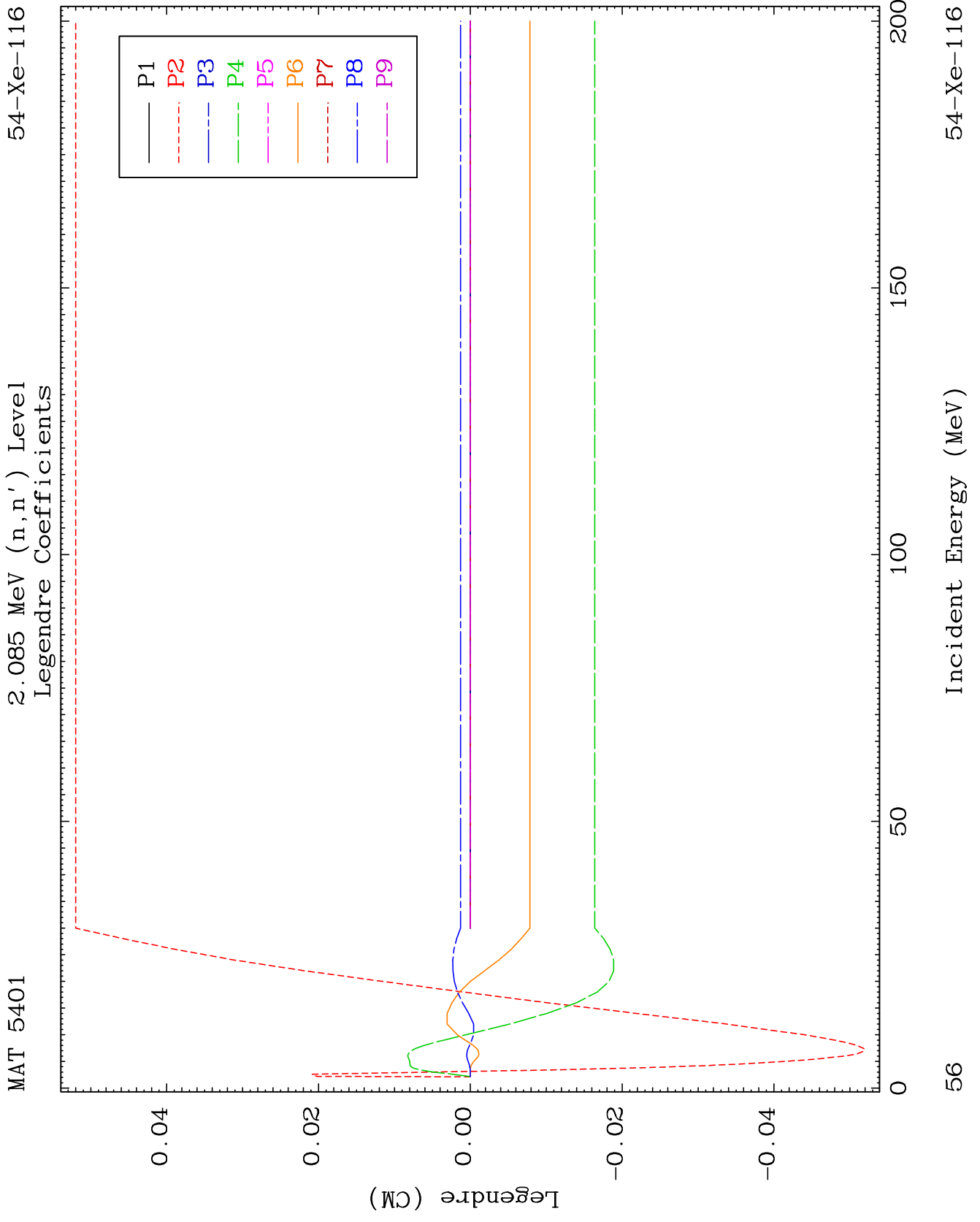
1.980 MeV (n,n') Level
Legendre Coefficients

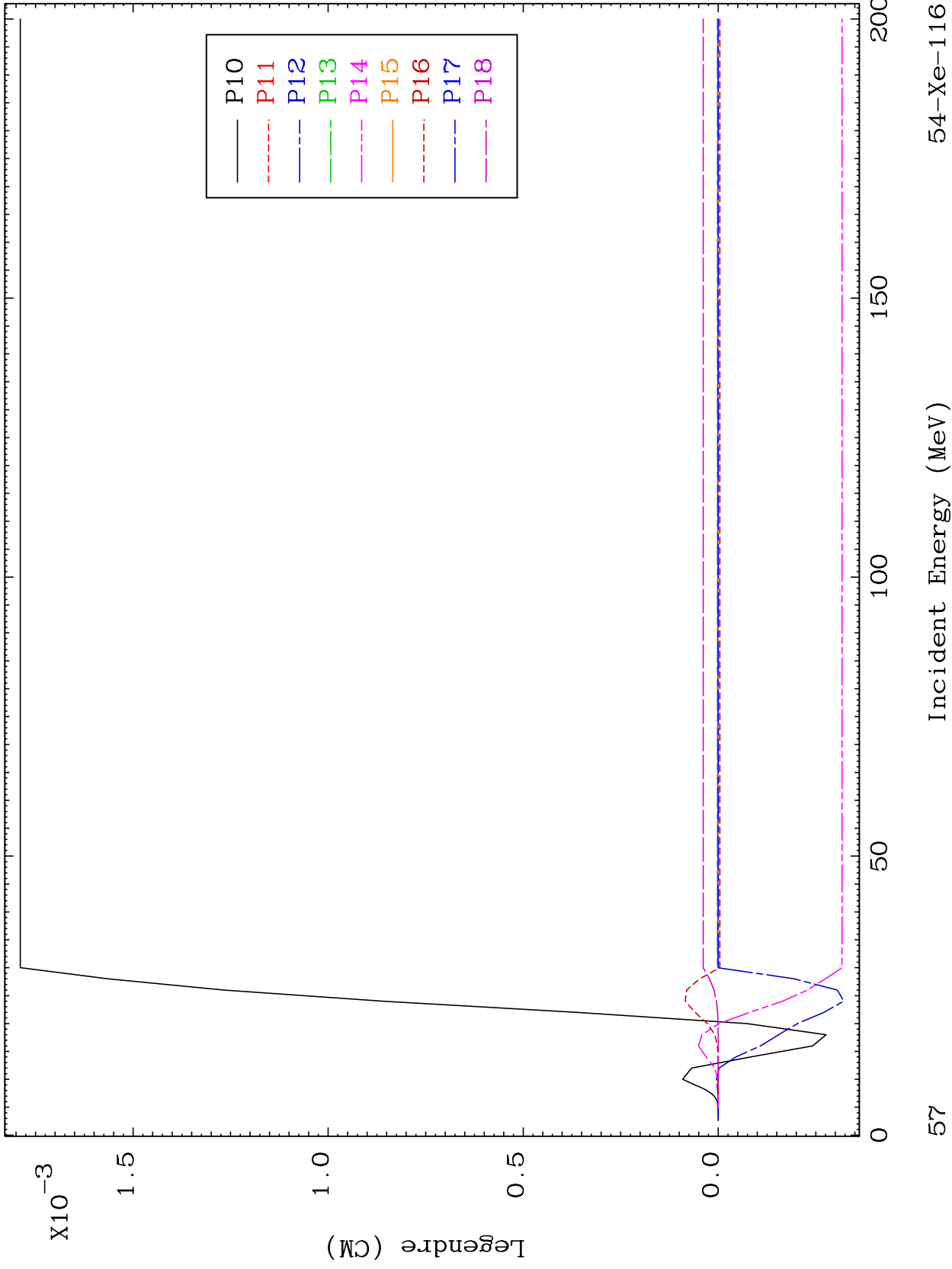
54-Xe-116

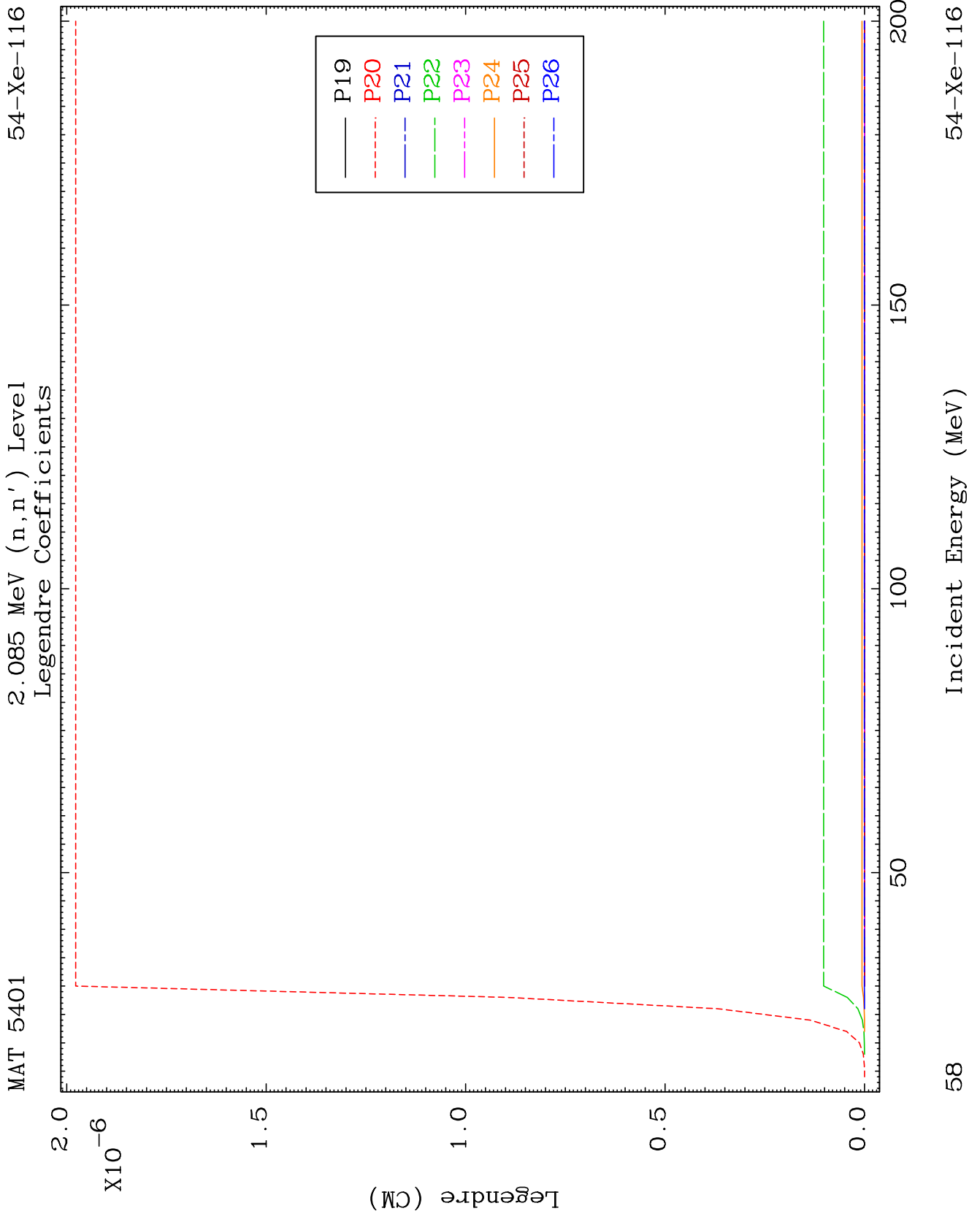


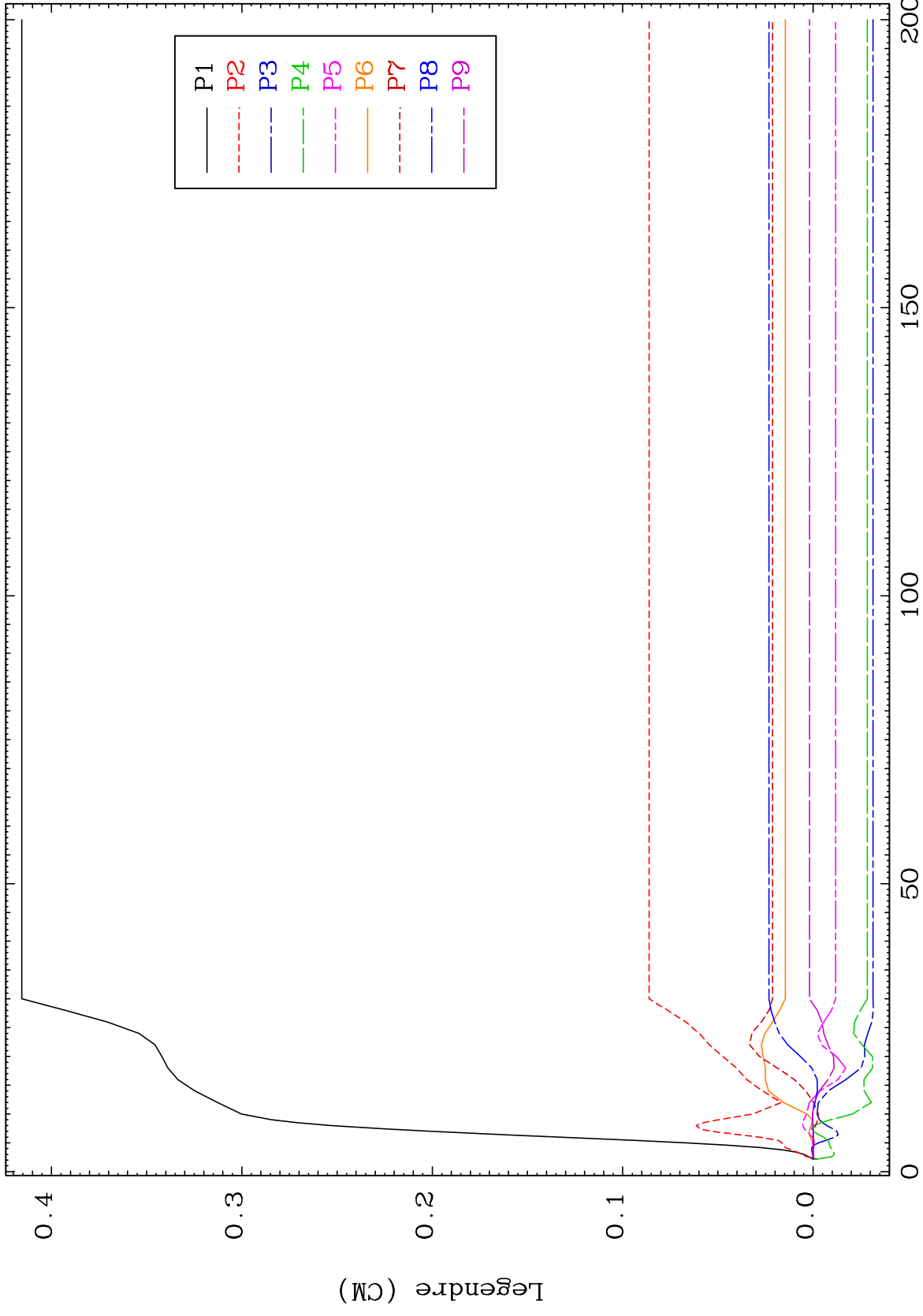
54

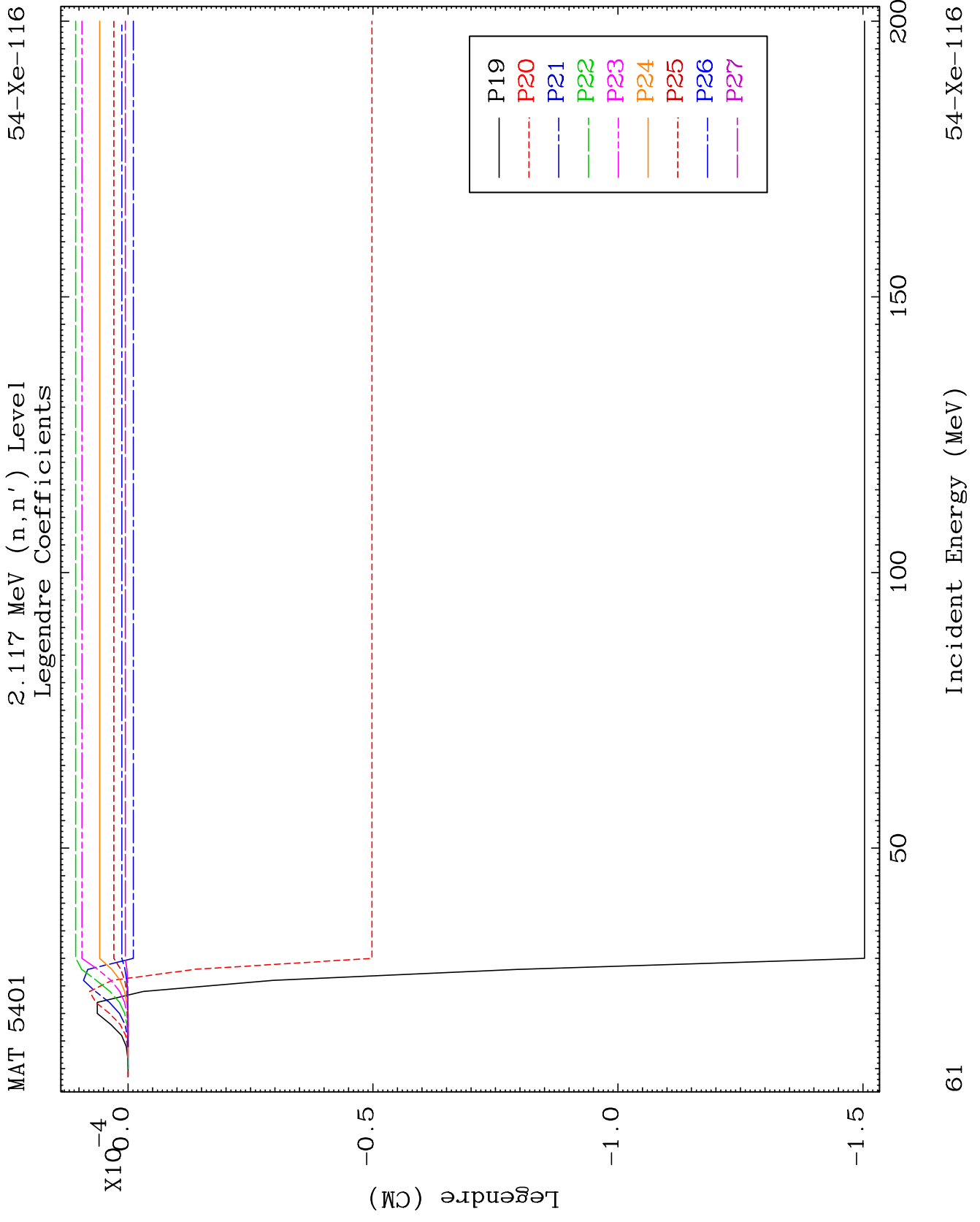








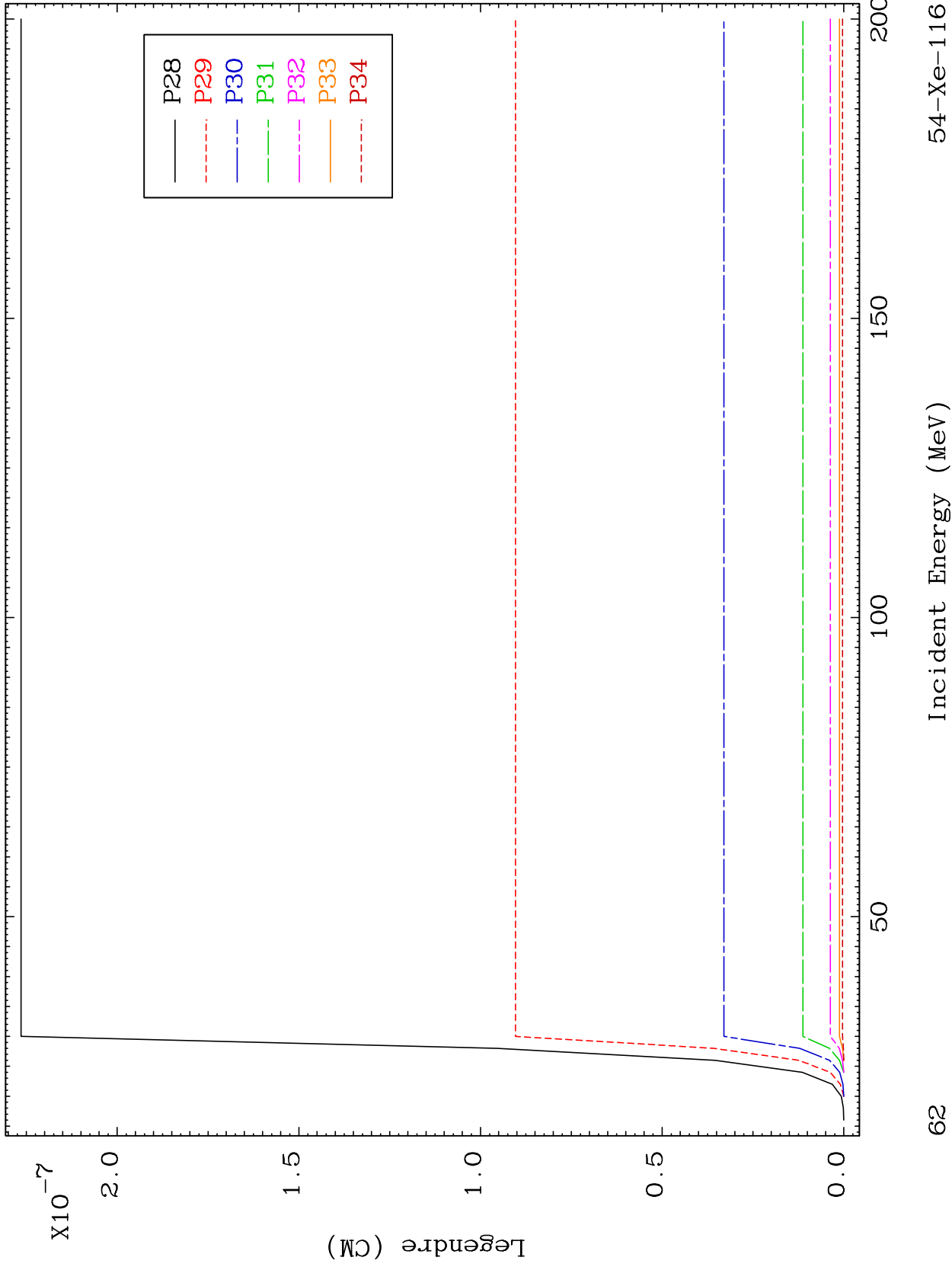




MAT 5401

2.117 MeV (n, n') Level
Legendre Coefficients

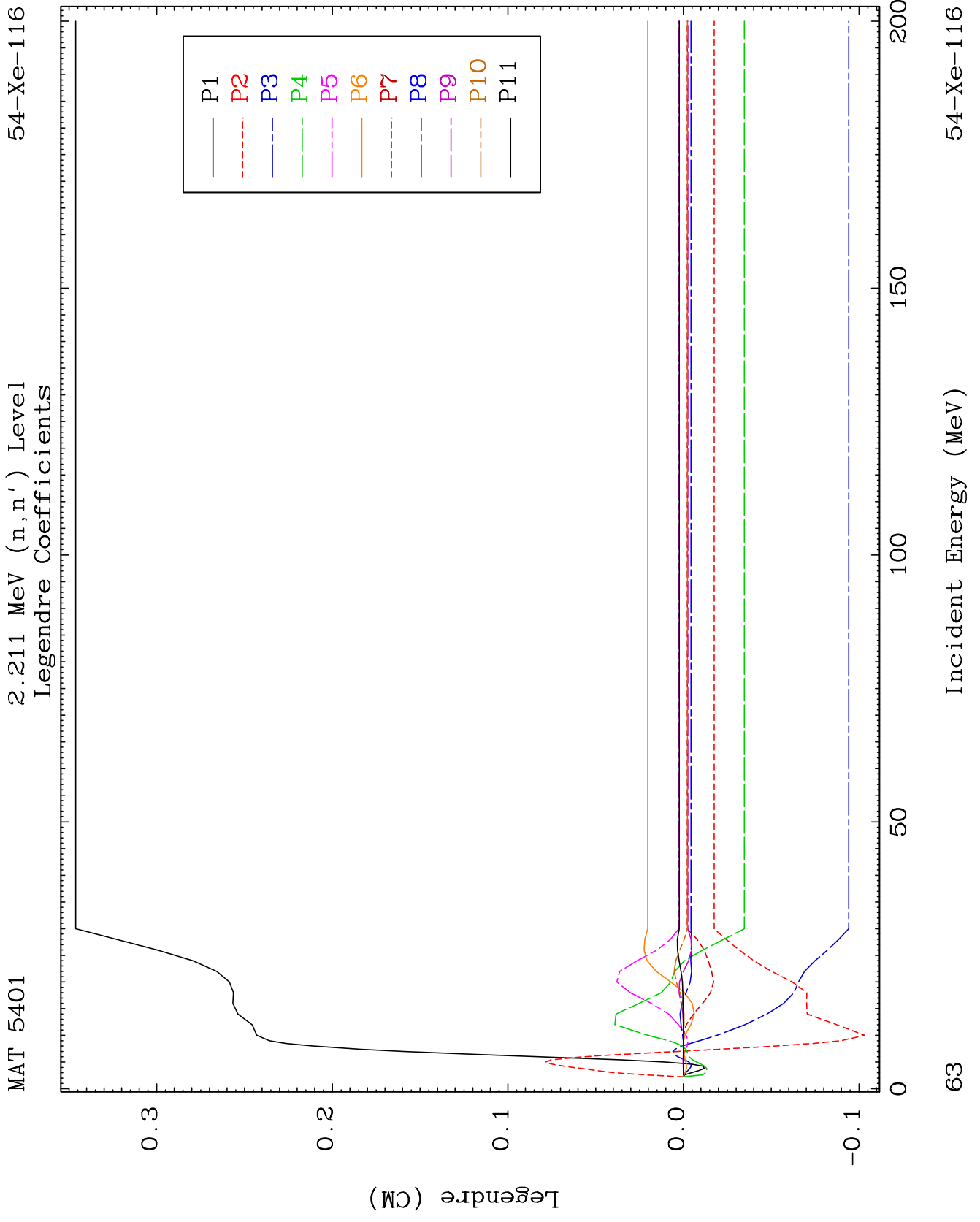
54-Xe-116



54-Xe-116

Incident Energy (MeV)

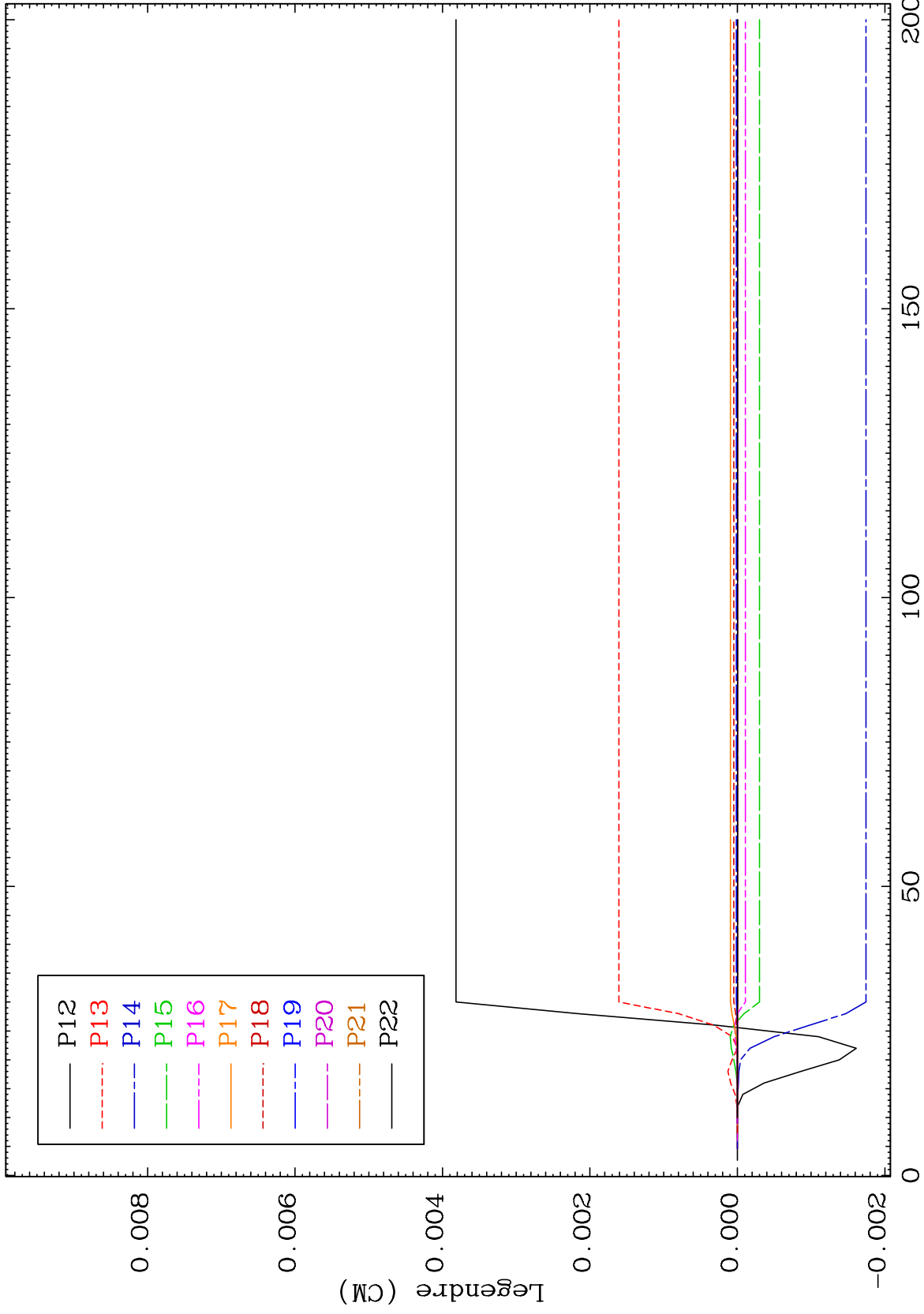
62



MAT 5401

2.211 MeV (n, n') Level
Legendre Coefficients

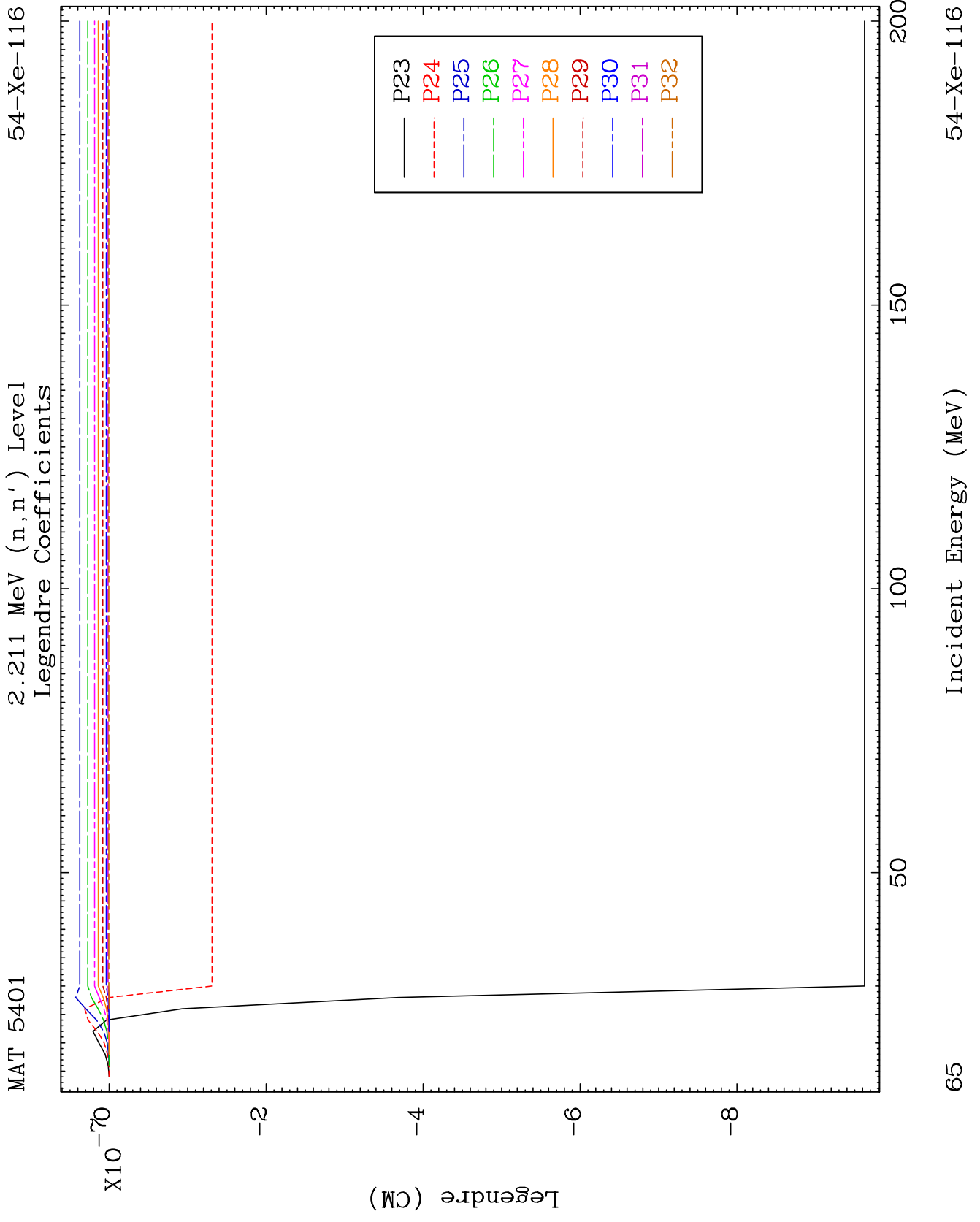
54-Xe-116



64

Incident Energy (MeV)

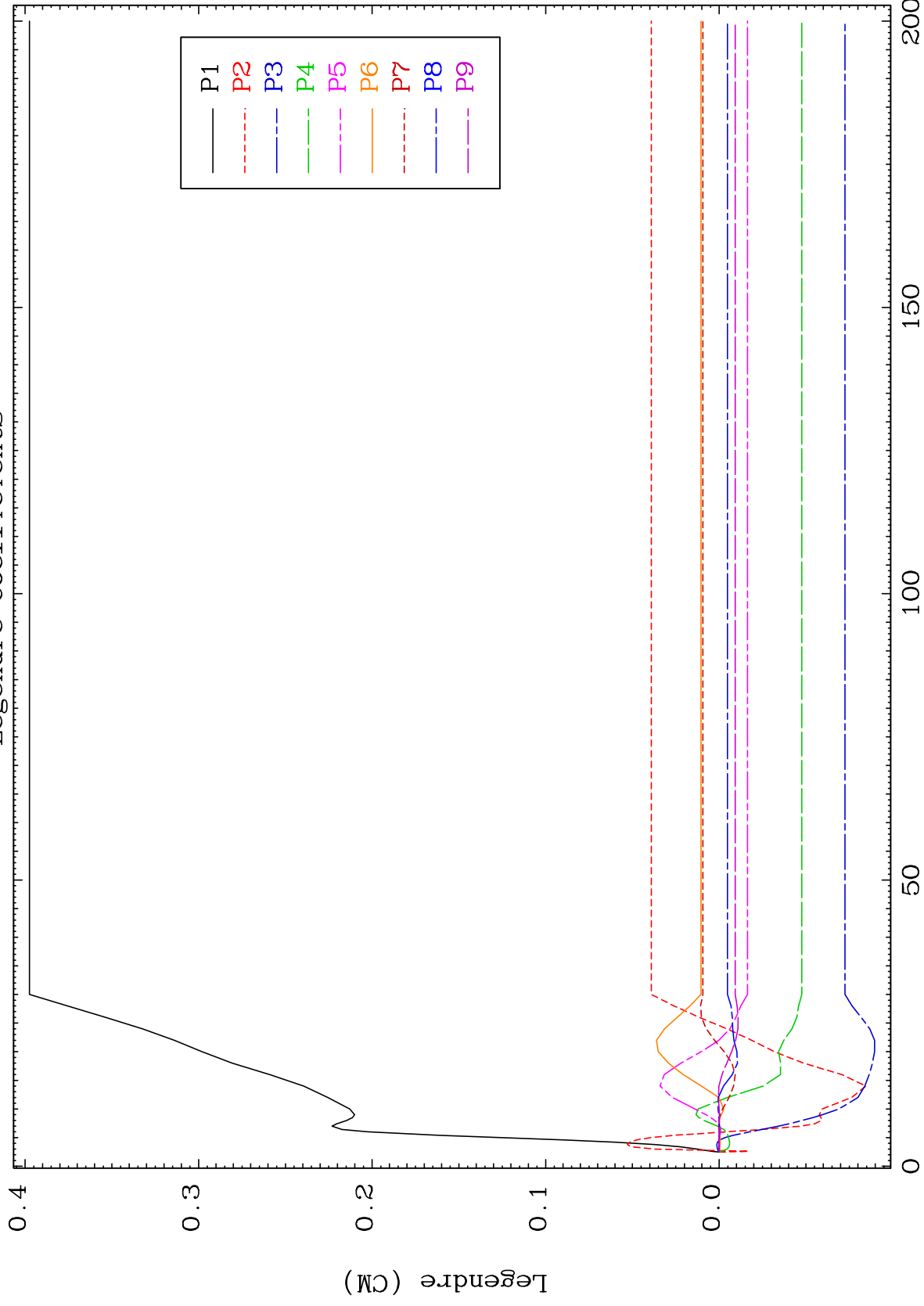
54-Xe-116



MAT 5401

2.445 MeV (n,n') Level
Legendre Coefficients

54-Xe-116



66

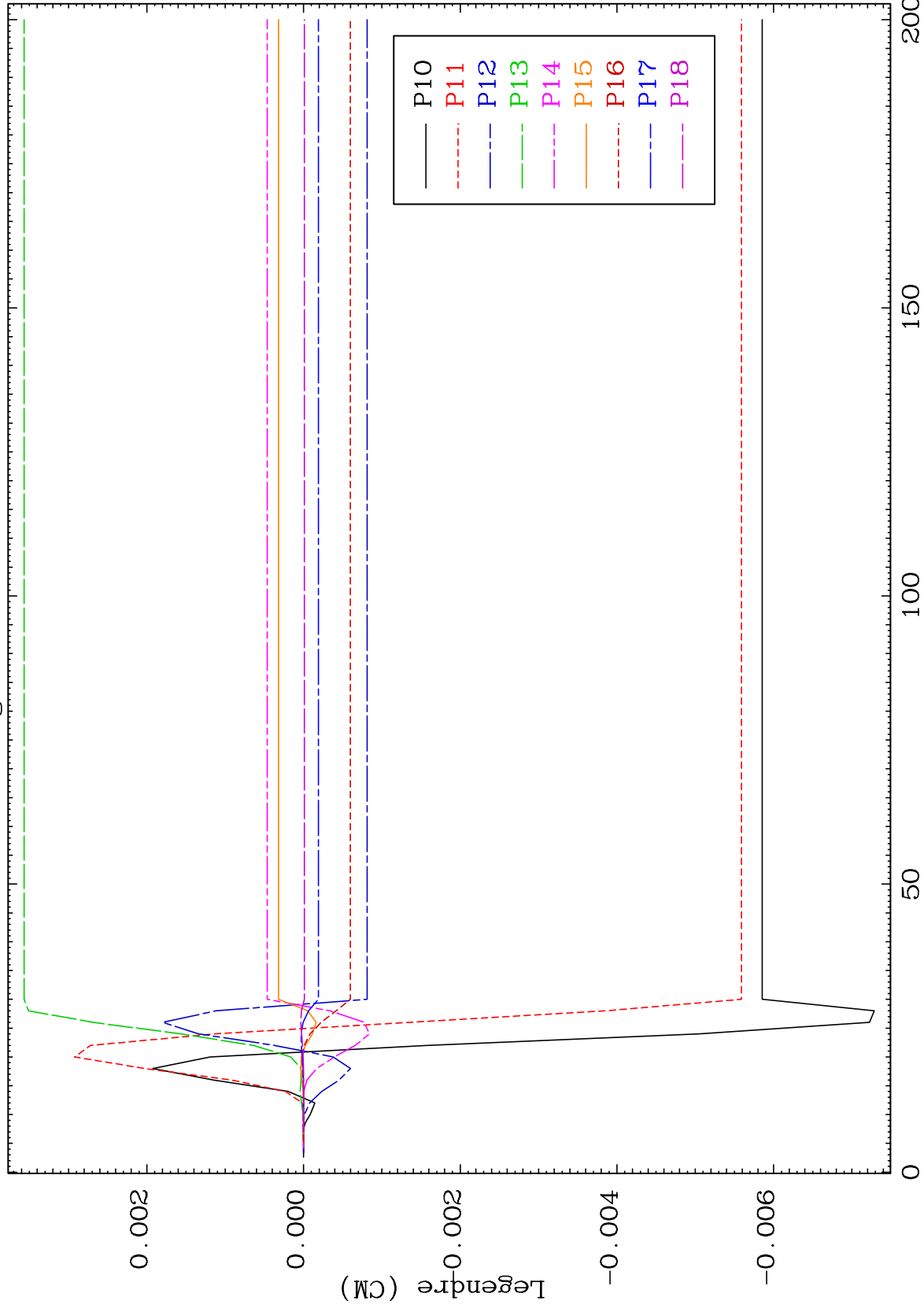
Incident Energy (MeV)

54-Xe-116

MAT 5401

2.445 MeV (n,n') Level
Legendre Coefficients

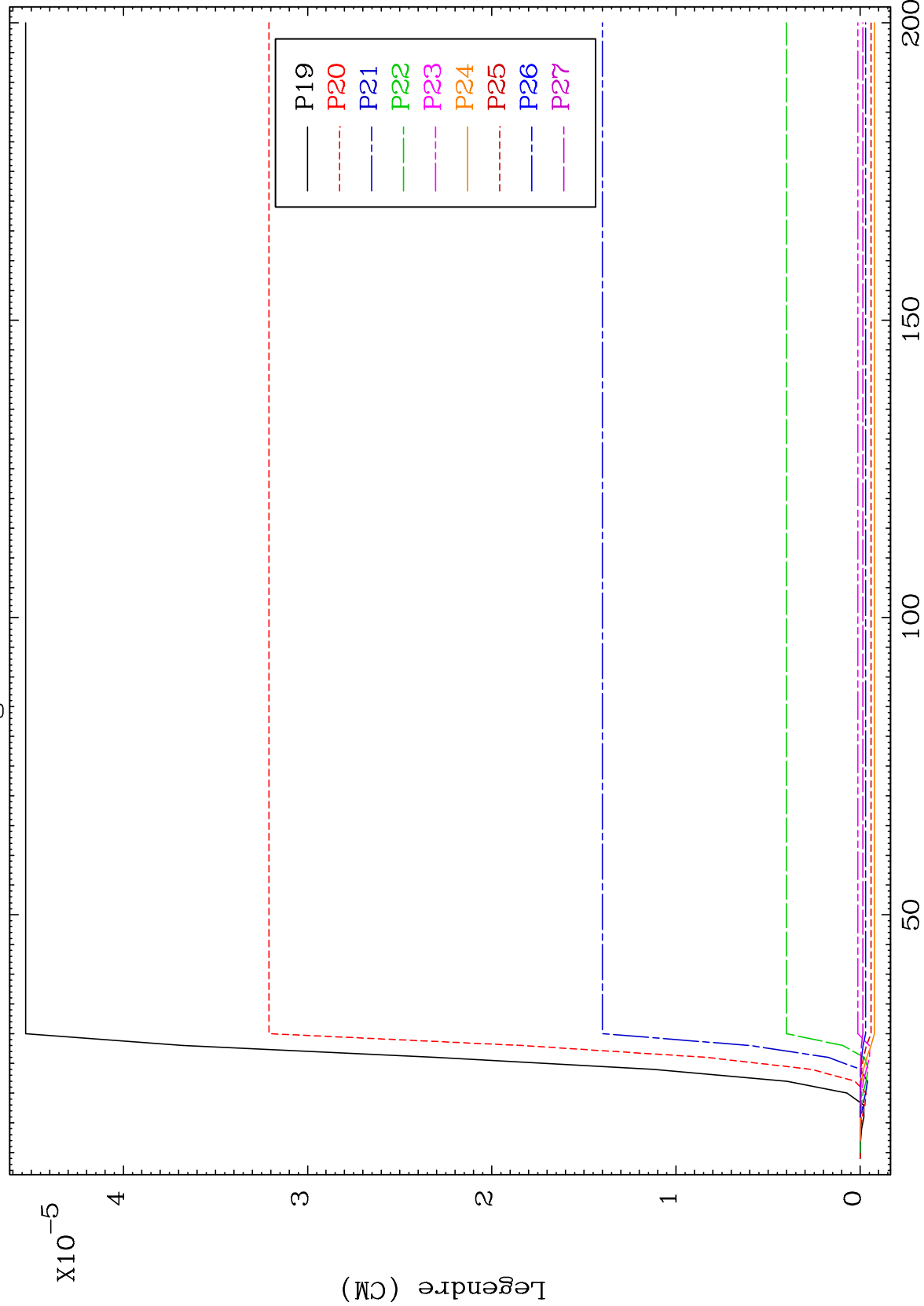
54-Xe-116

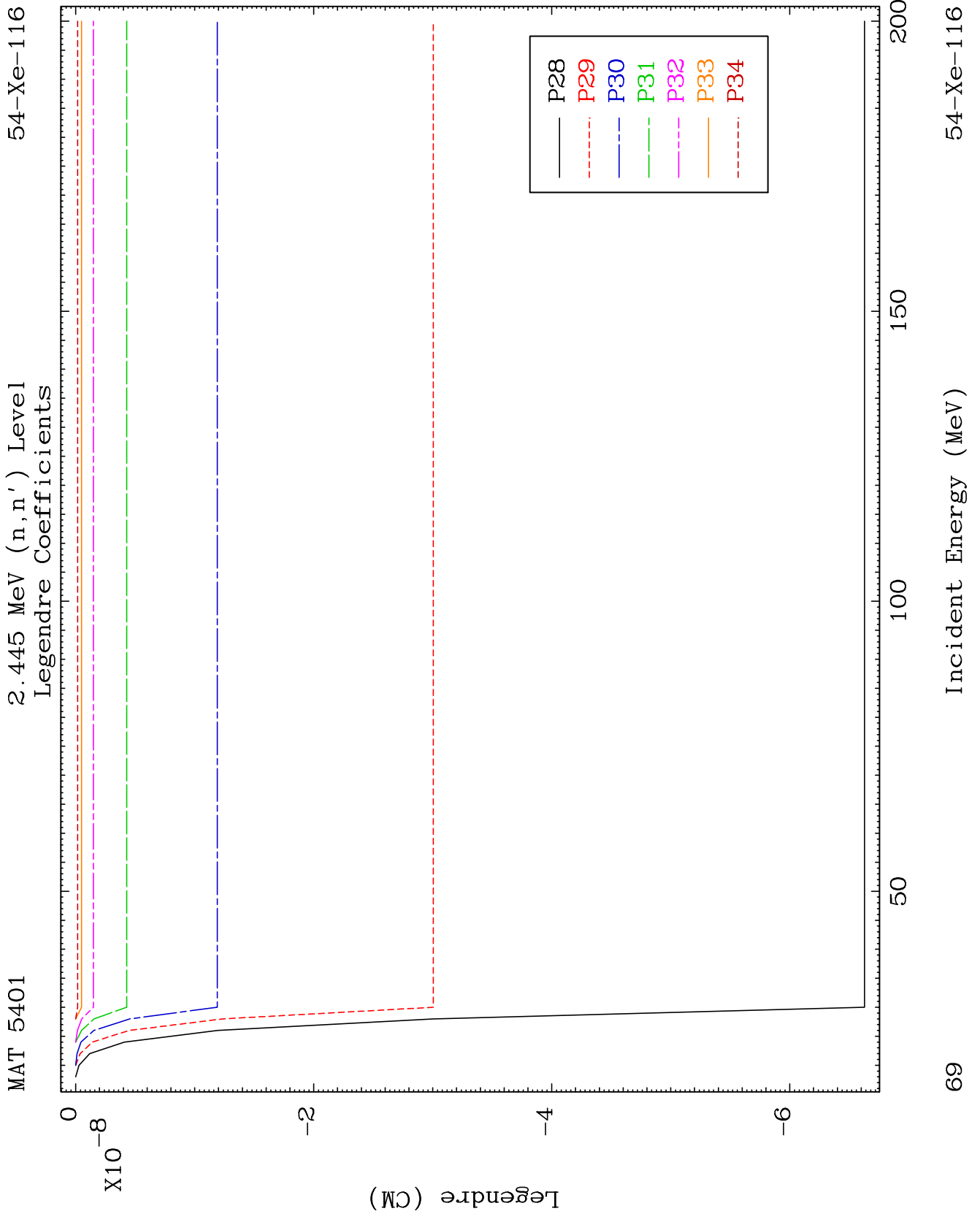


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Incident Energy (MeV)

54-Xe-116

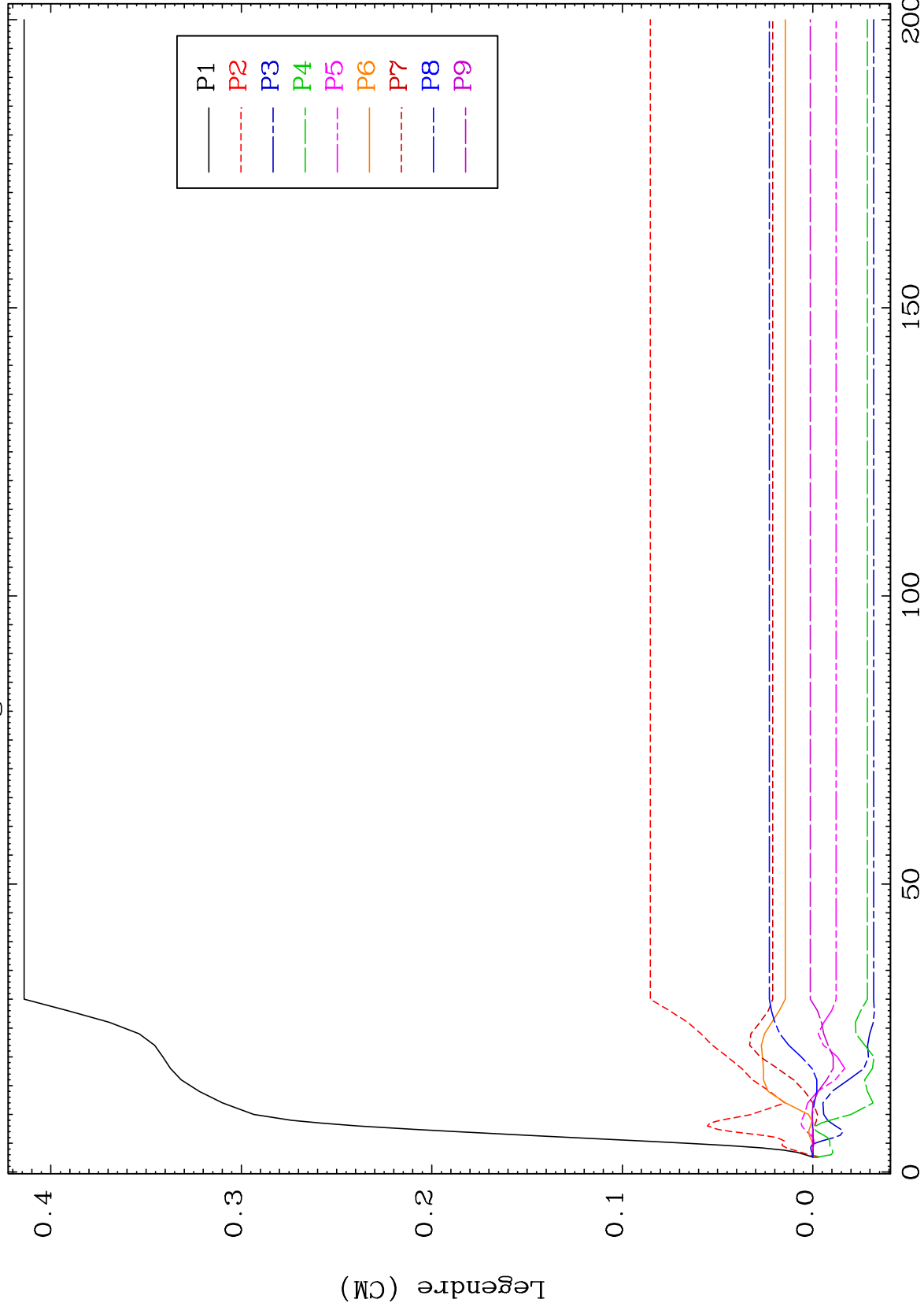




MAT 5401

2.498 MeV (n,n') Level
Legendre Coefficients

54-Xe-116



70

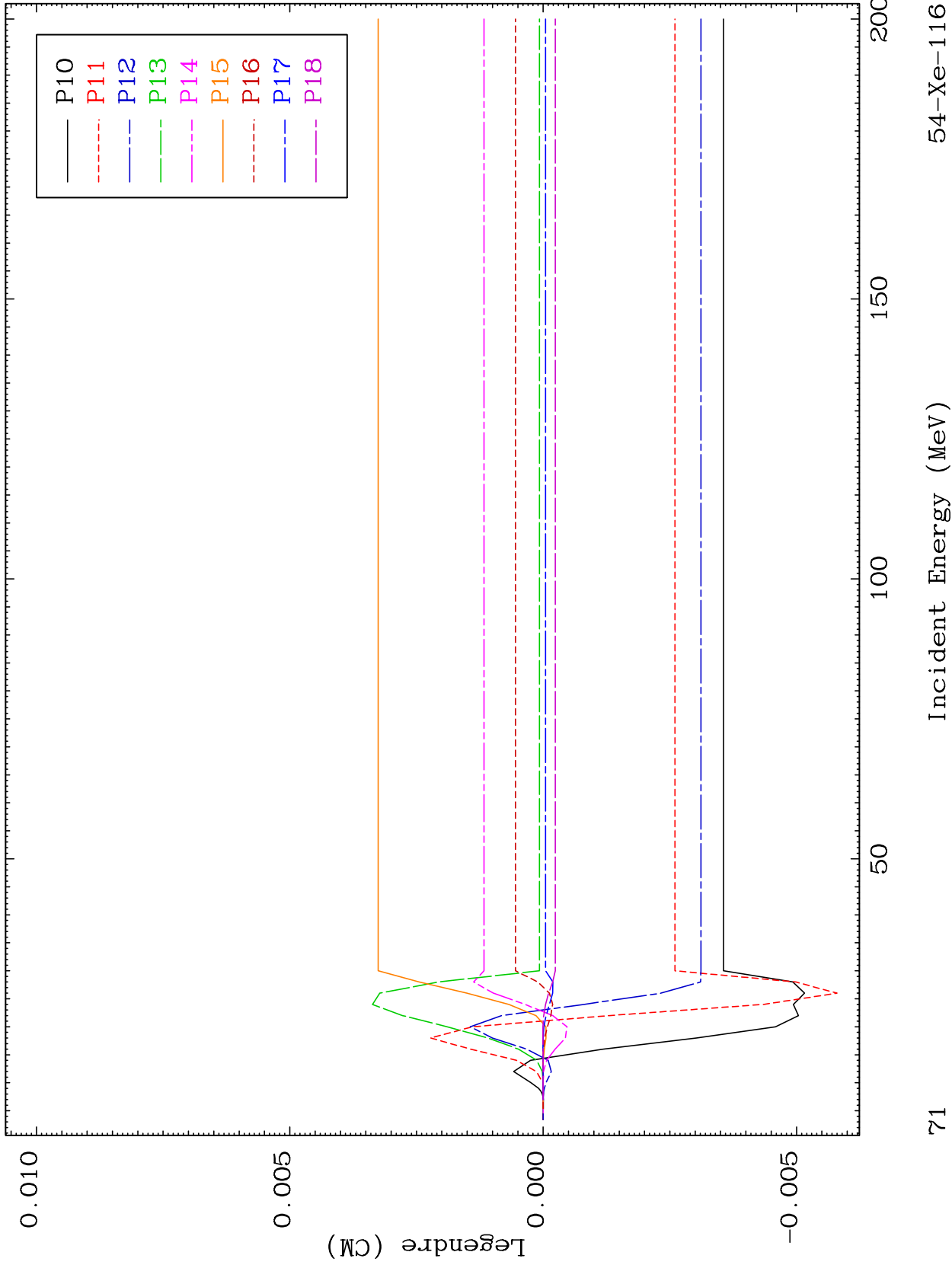
Incident Energy (MeV)

54-Xe-116

MAT 5401

2.498 MeV (n,n') Level
Legendre Coefficients

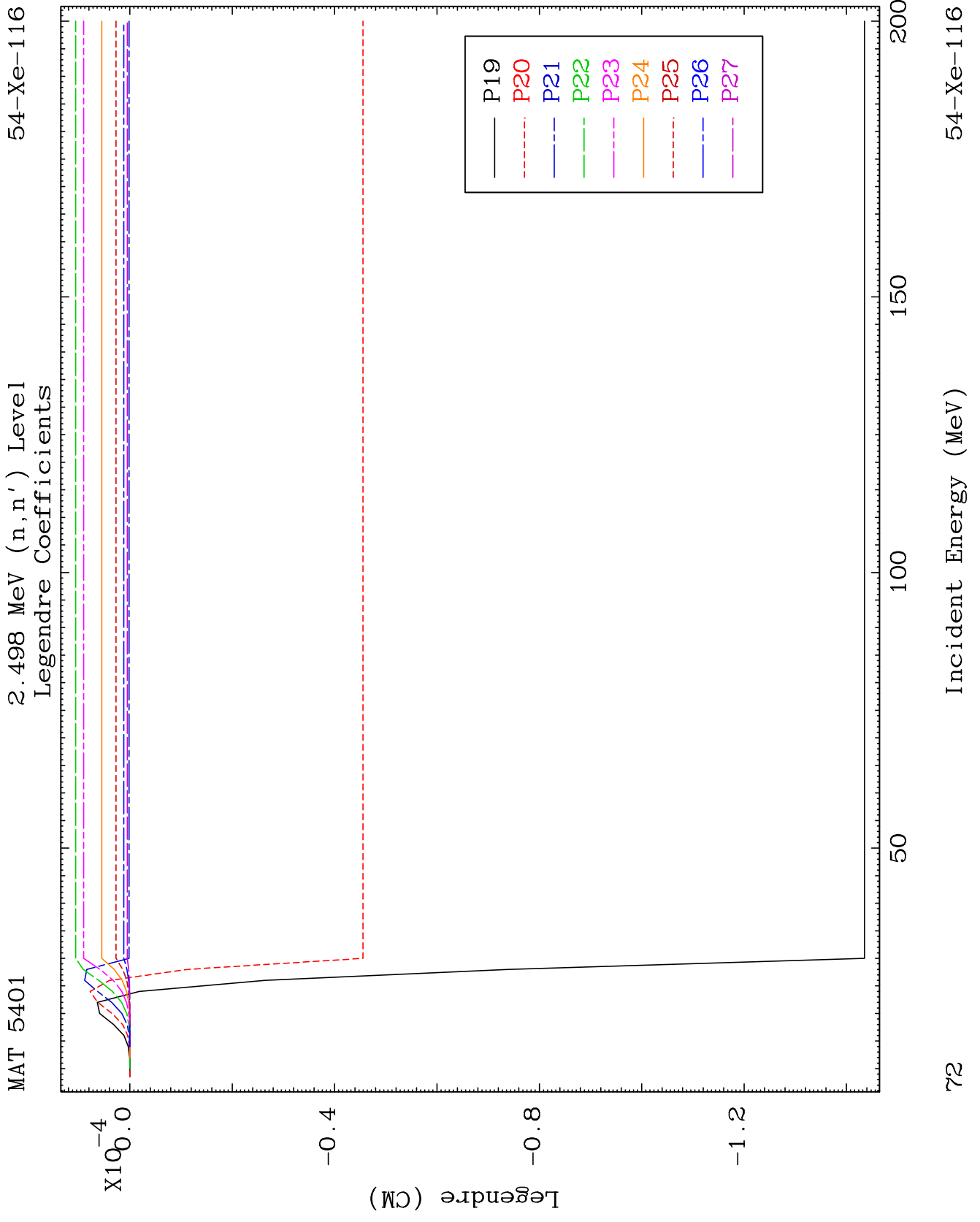
54-Xe-116



71

Incident Energy (MeV)

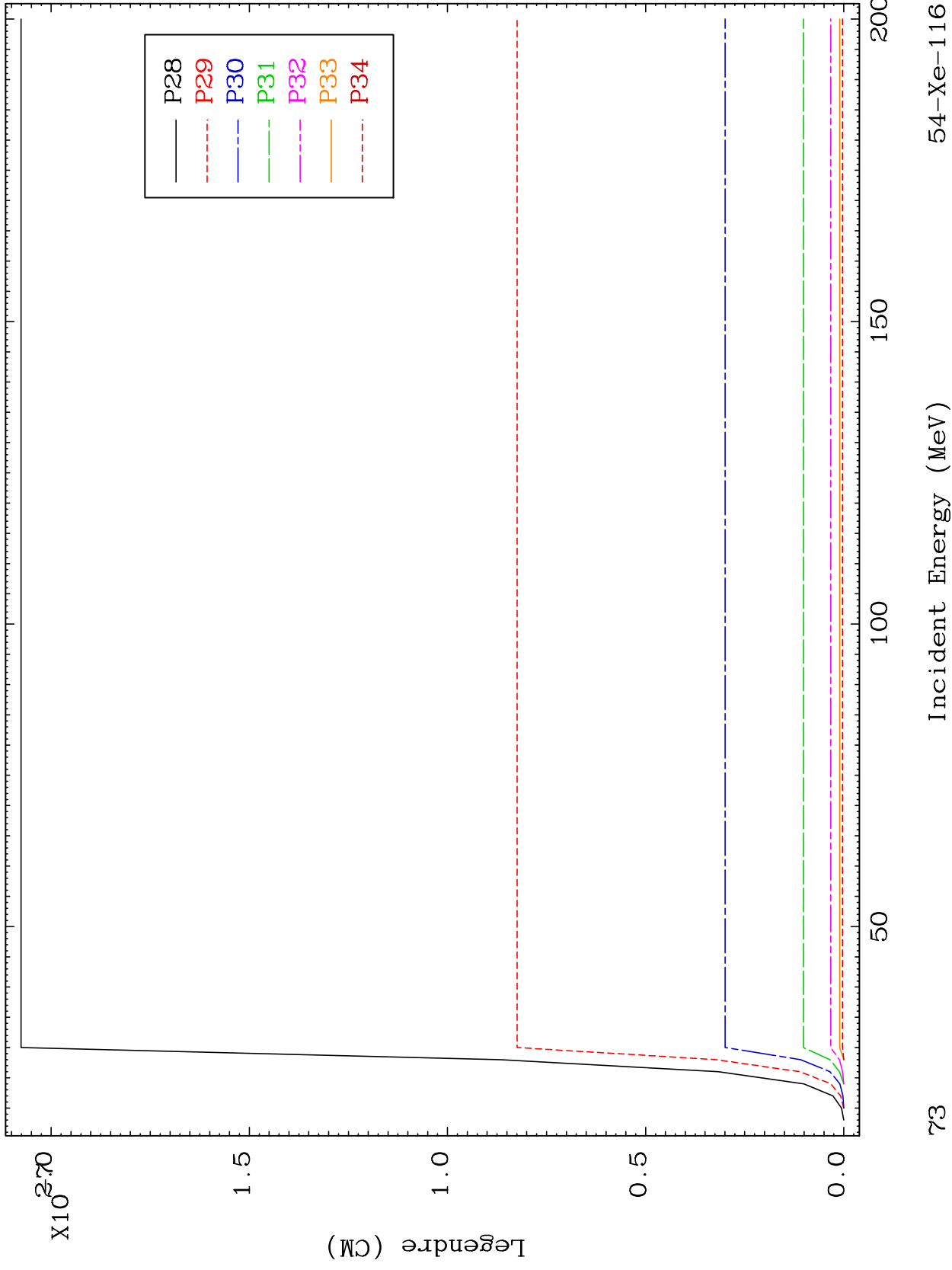
54-Xe-116



MAT 5401

2.498 MeV (n, n') Level
Legendre Coefficients

54-Xe-116



73

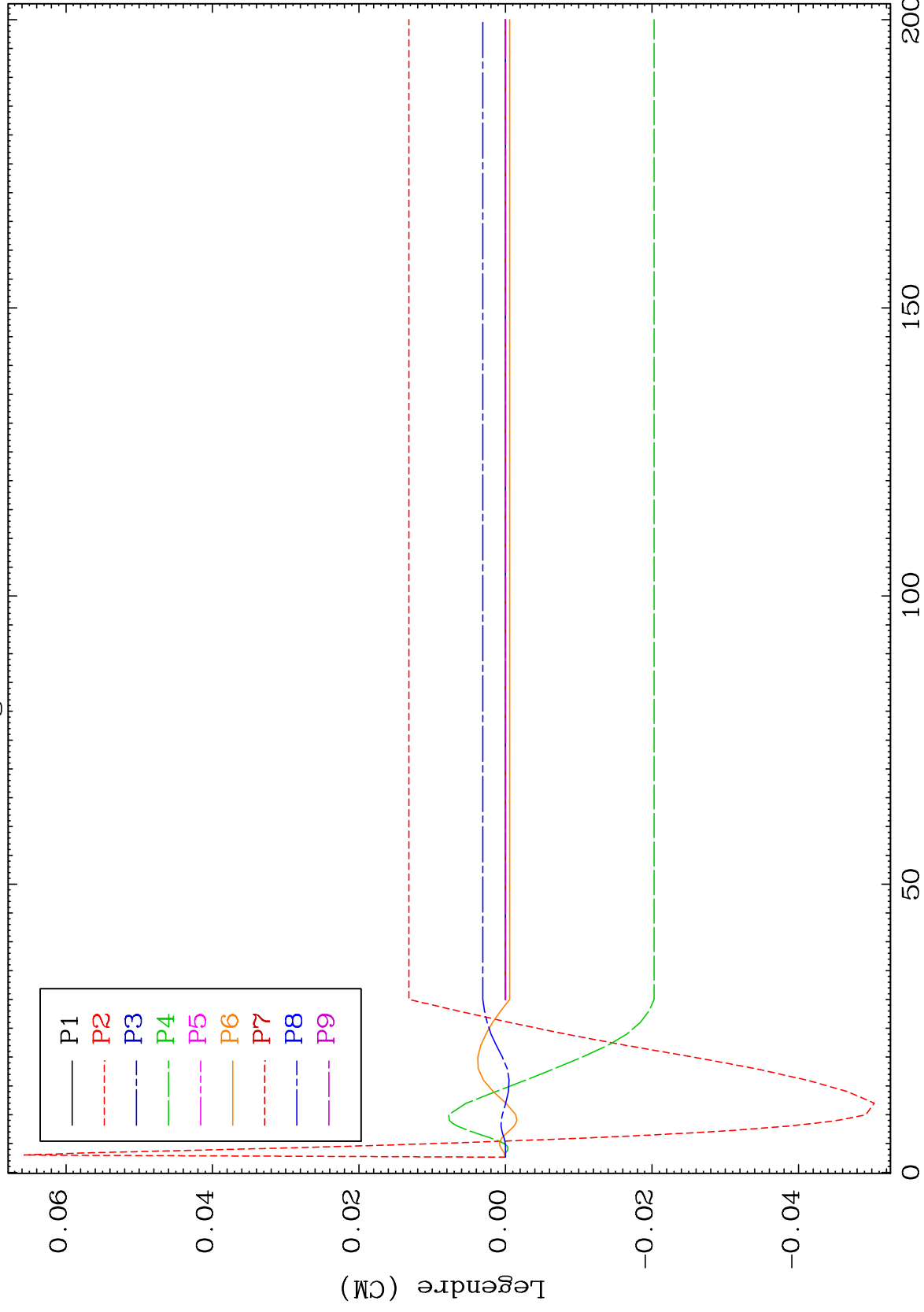
Incident Energy (MeV)

54-Xe-116

MAT 5401

2.607 MeV (n,n') Level
Legendre Coefficients

54-Xe-116



74

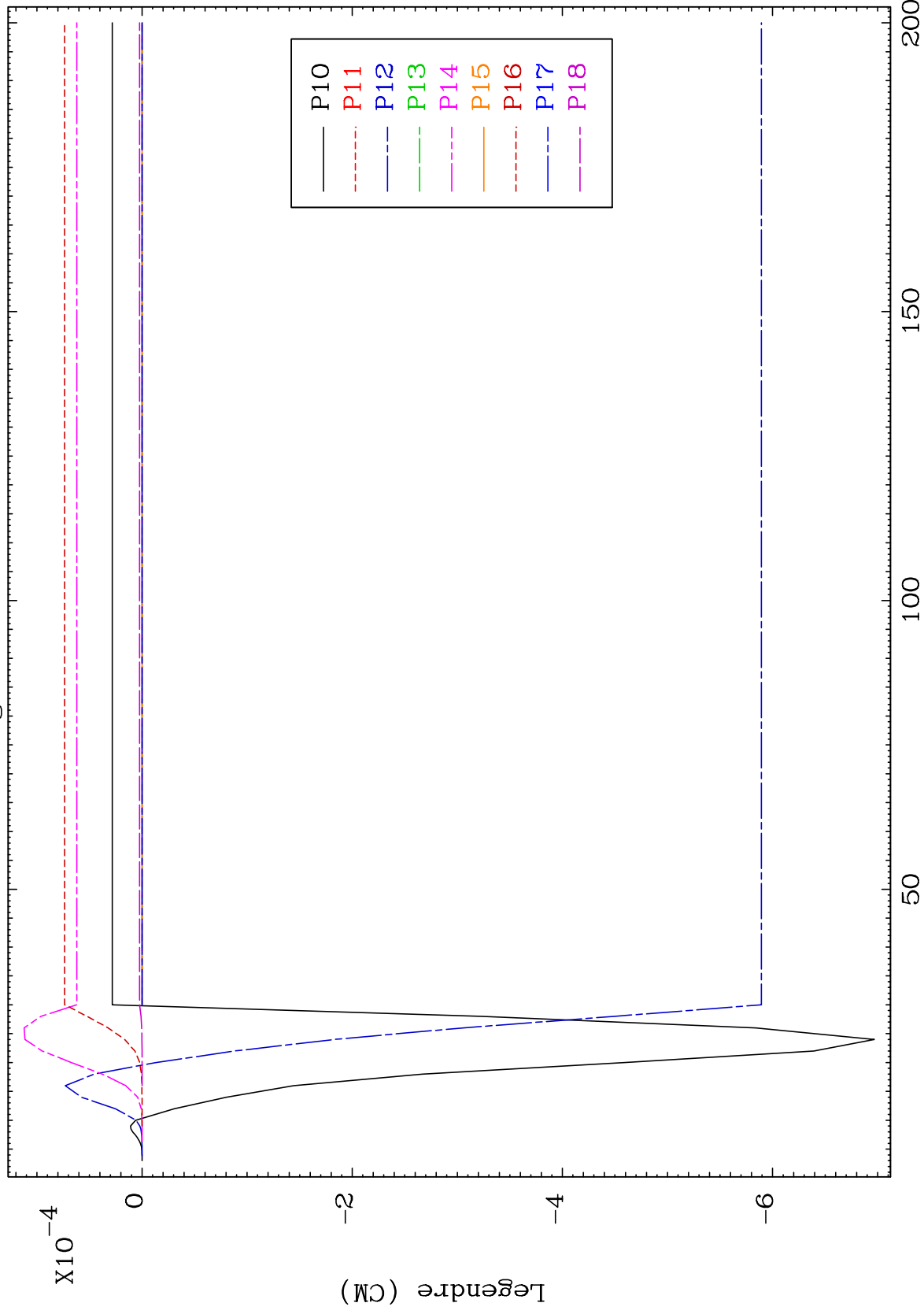
Incident Energy (MeV)

54-Xe-116

MAT 5401

2.607 MeV (n,n') Level
Legendre Coefficients

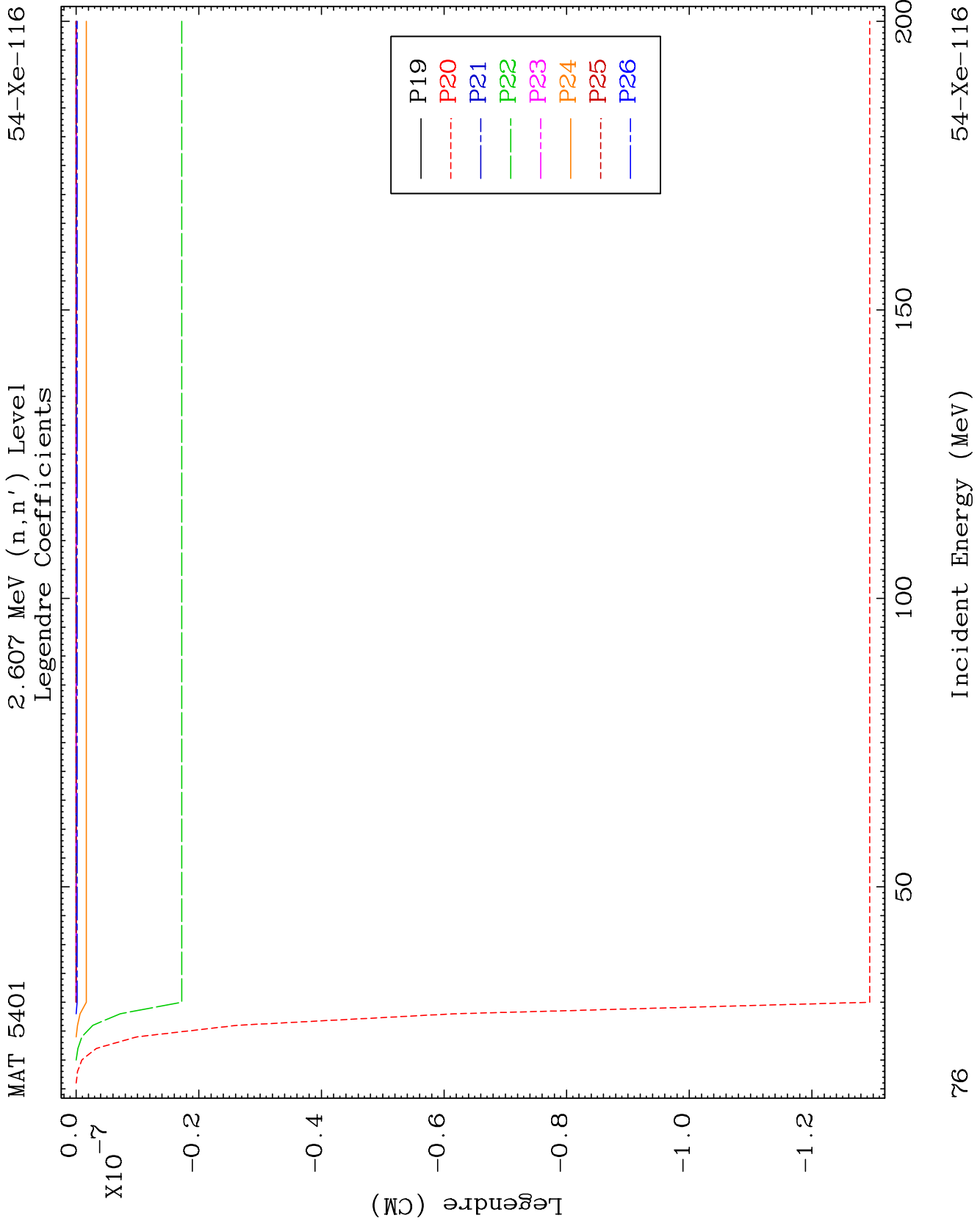
54-Xe-116



75

Incident Energy (MeV)

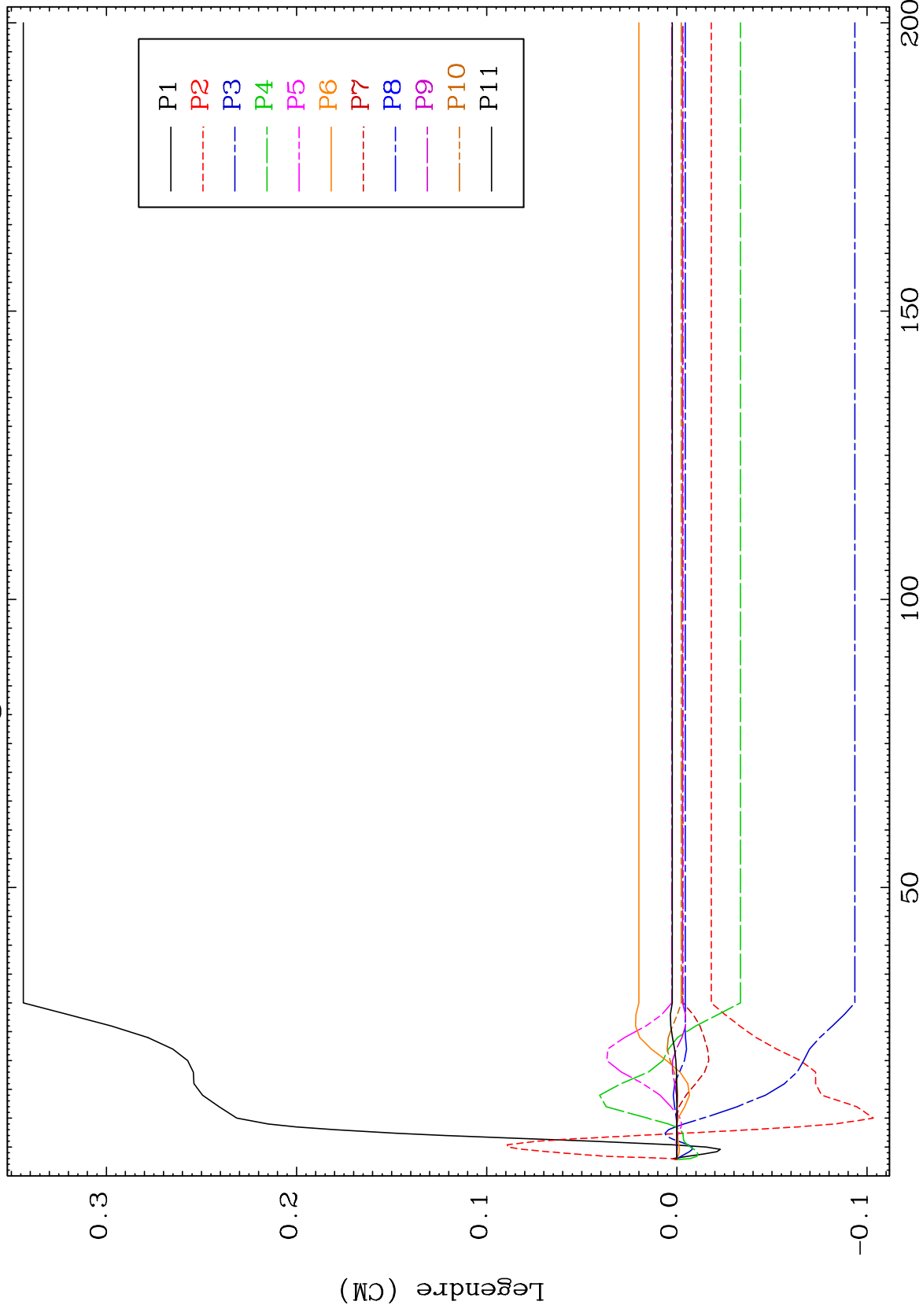
54-Xe-116



MAT 5401

2.775 MeV (n,n') Level
Legendre Coefficients

54-Xe-116



77

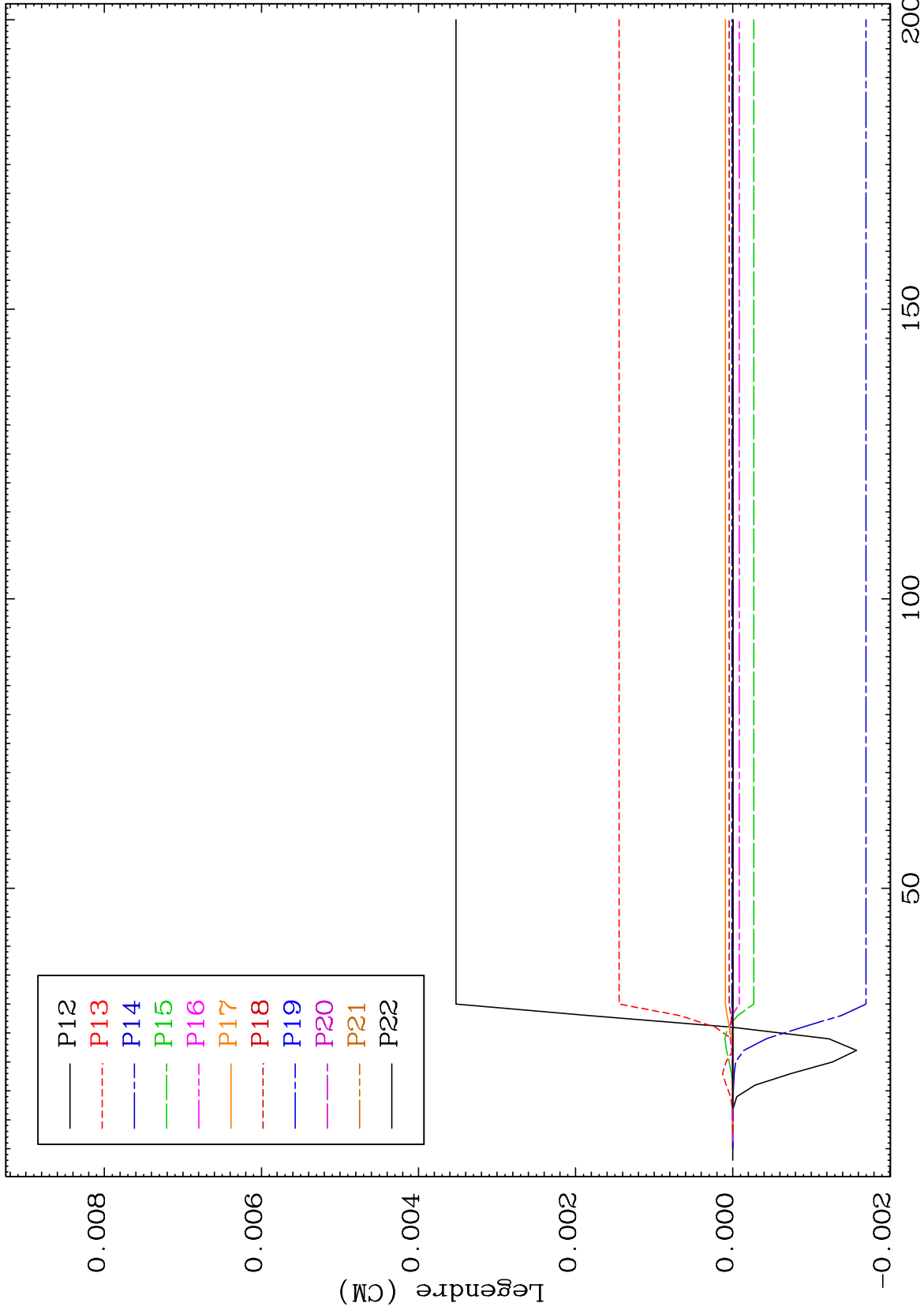
Incident Energy (MeV)

54-Xe-116

MAT 5401

2.775 MeV (n, n') Level
Legendre Coefficients

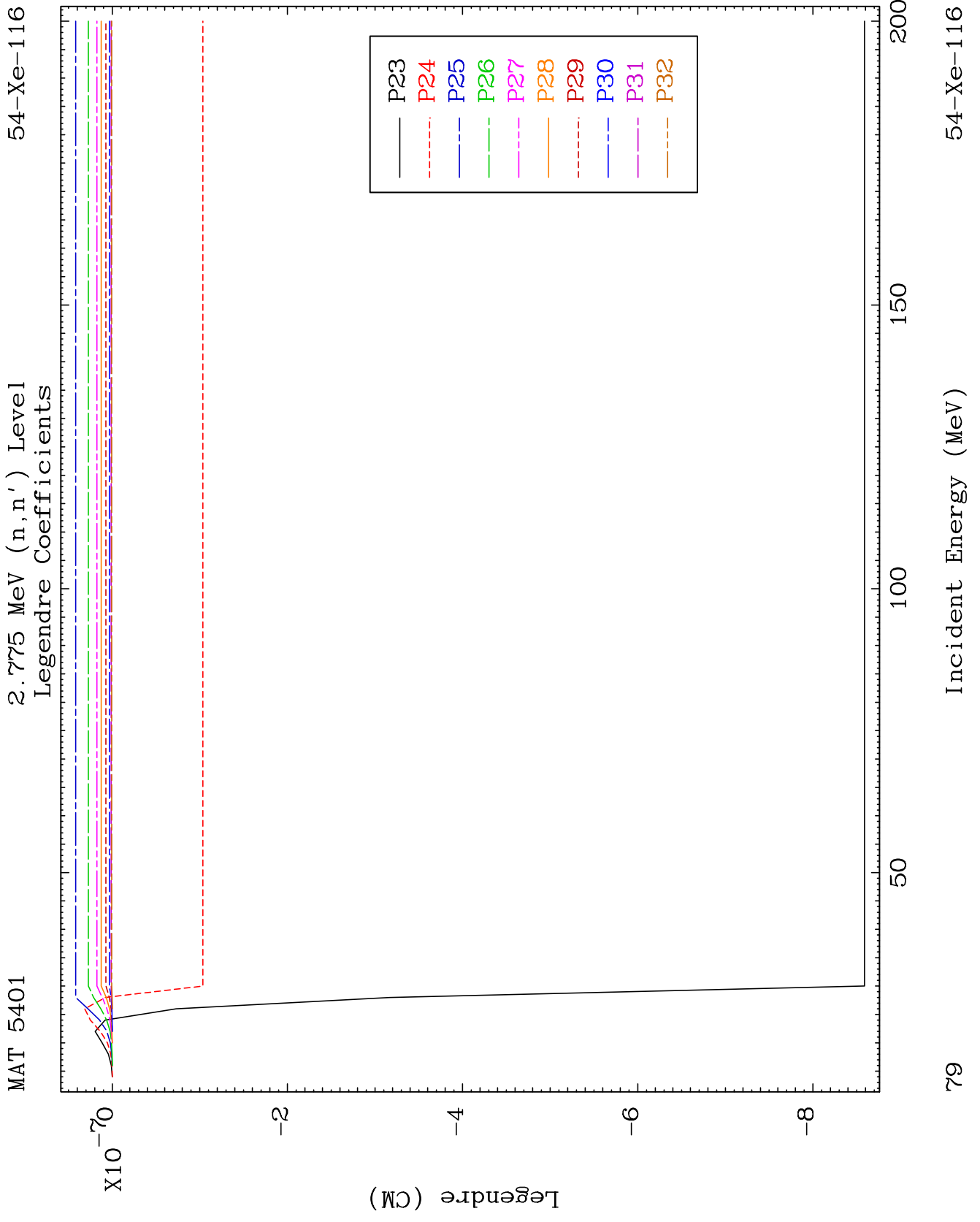
54-Xe-116



78

Incident Energy (MeV)

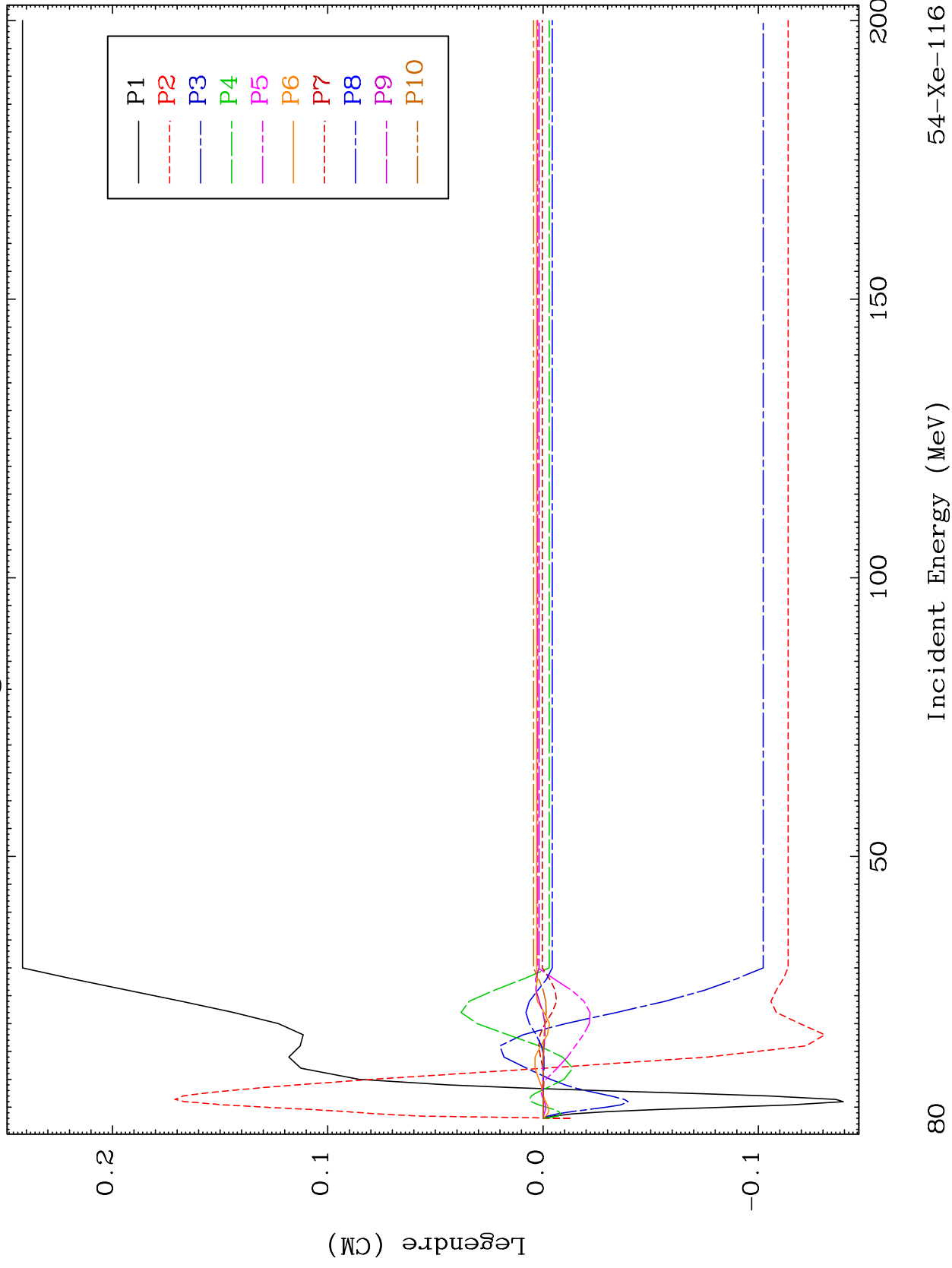
54-Xe-116



MAT 5401

2.932 MeV (n,n') Level
Legendre Coefficients

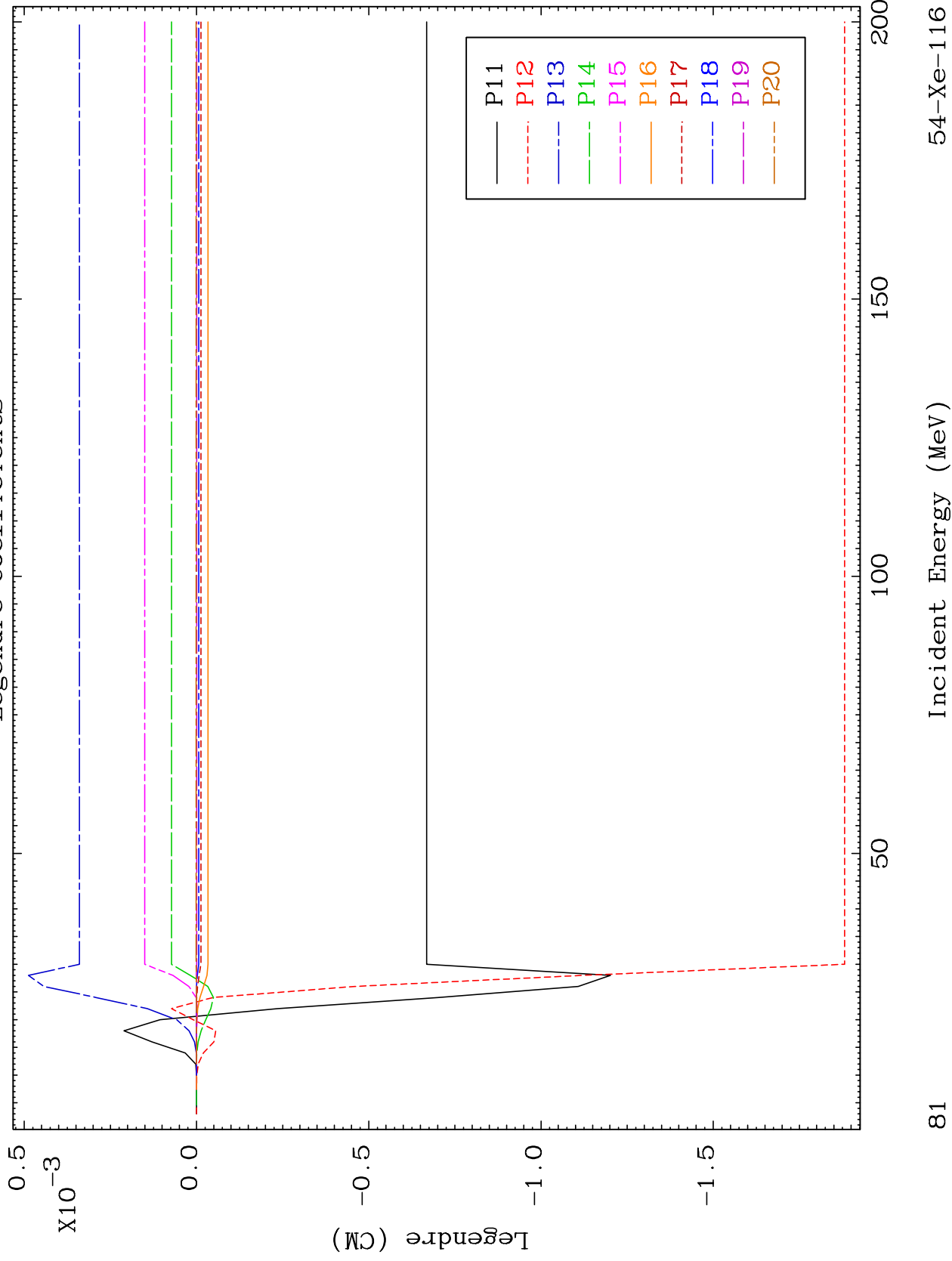
54-Xe-116



54-Xe-116

Incident Energy (MeV)

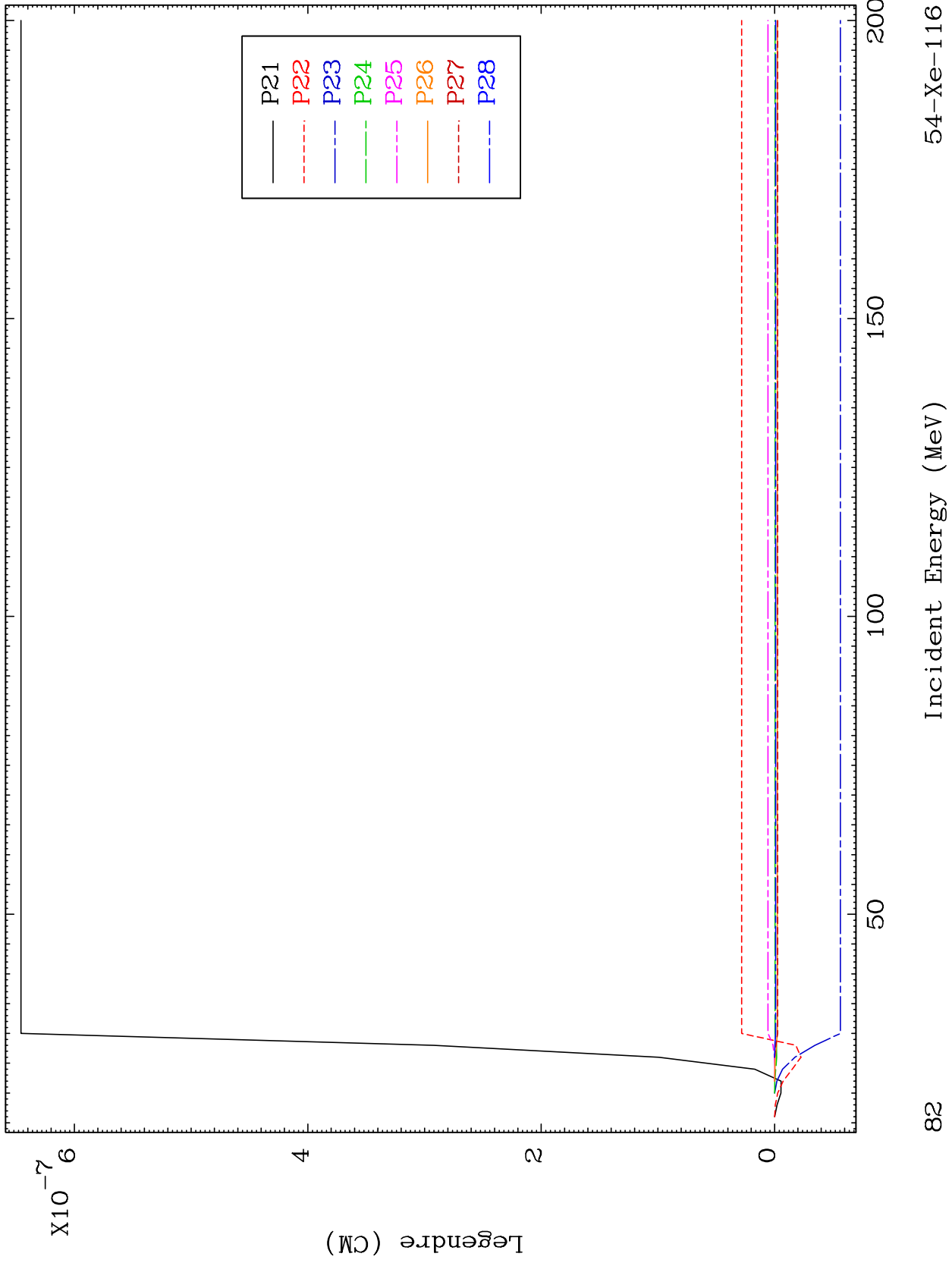
80

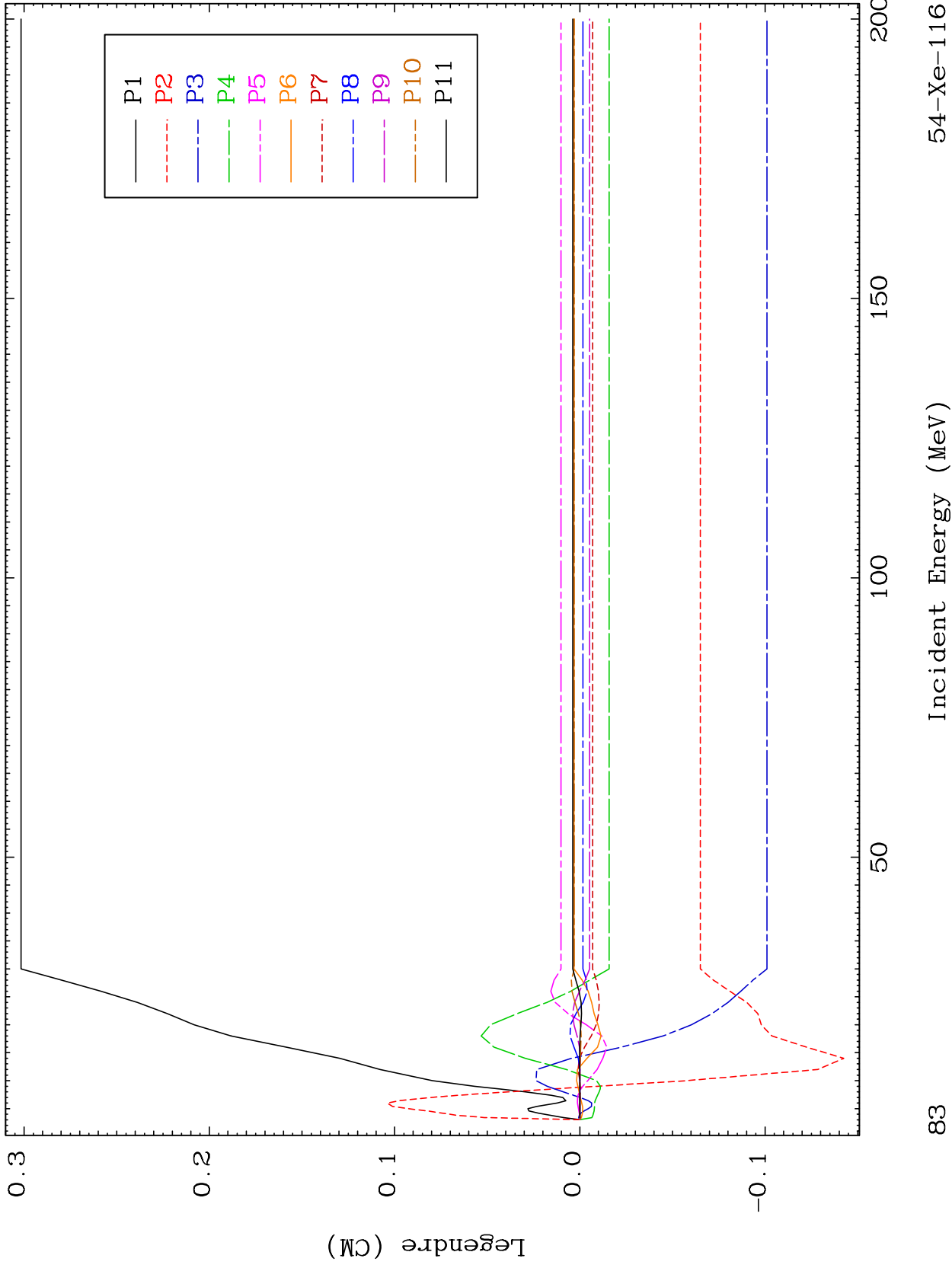


MAT 5401

2.932 MeV (n,n') Level
Legendre Coefficients

54-Xe-116

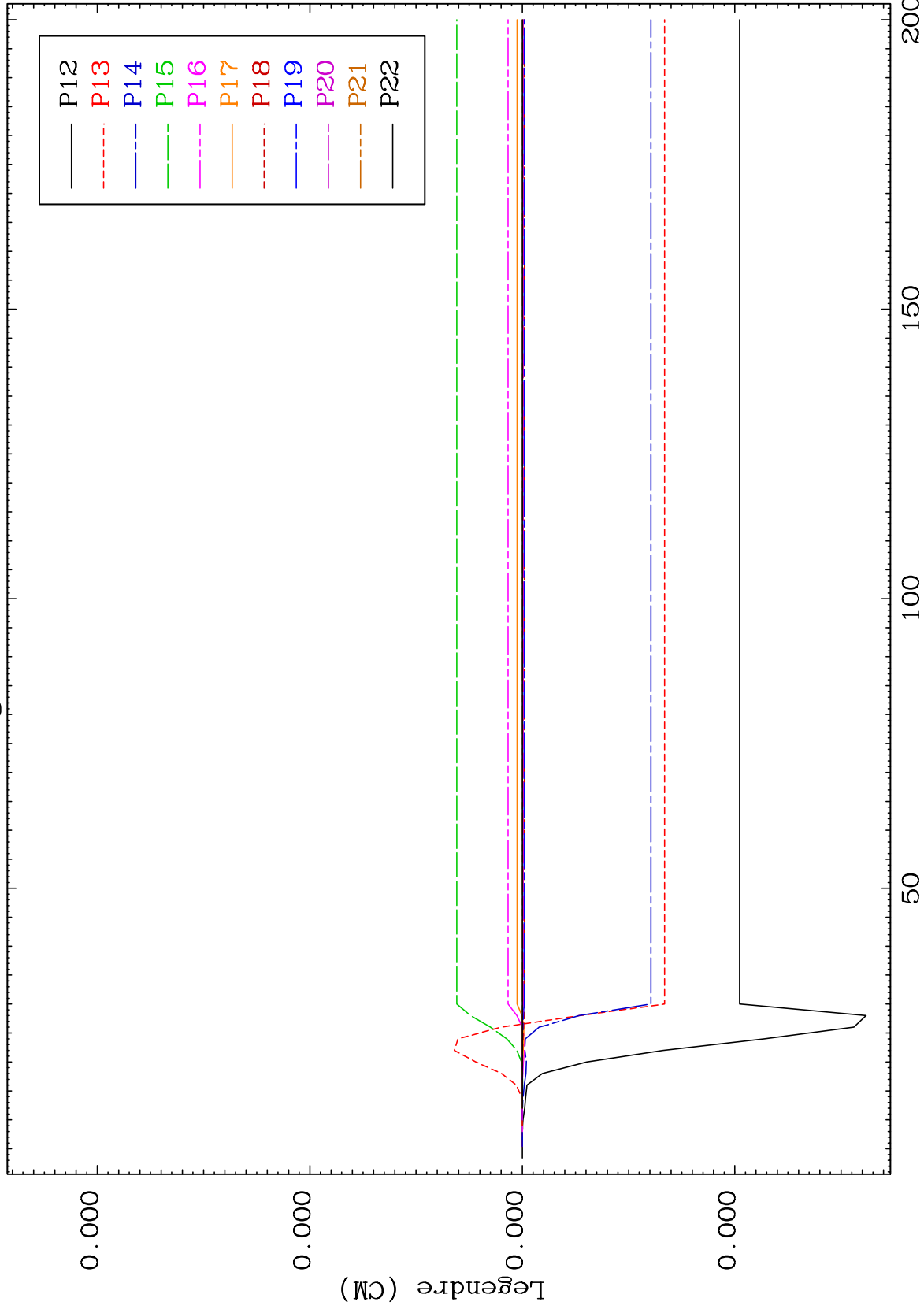




MAT 5401

2.982 MeV (n,n') Level
Legendre Coefficients

54-Xe-116



84

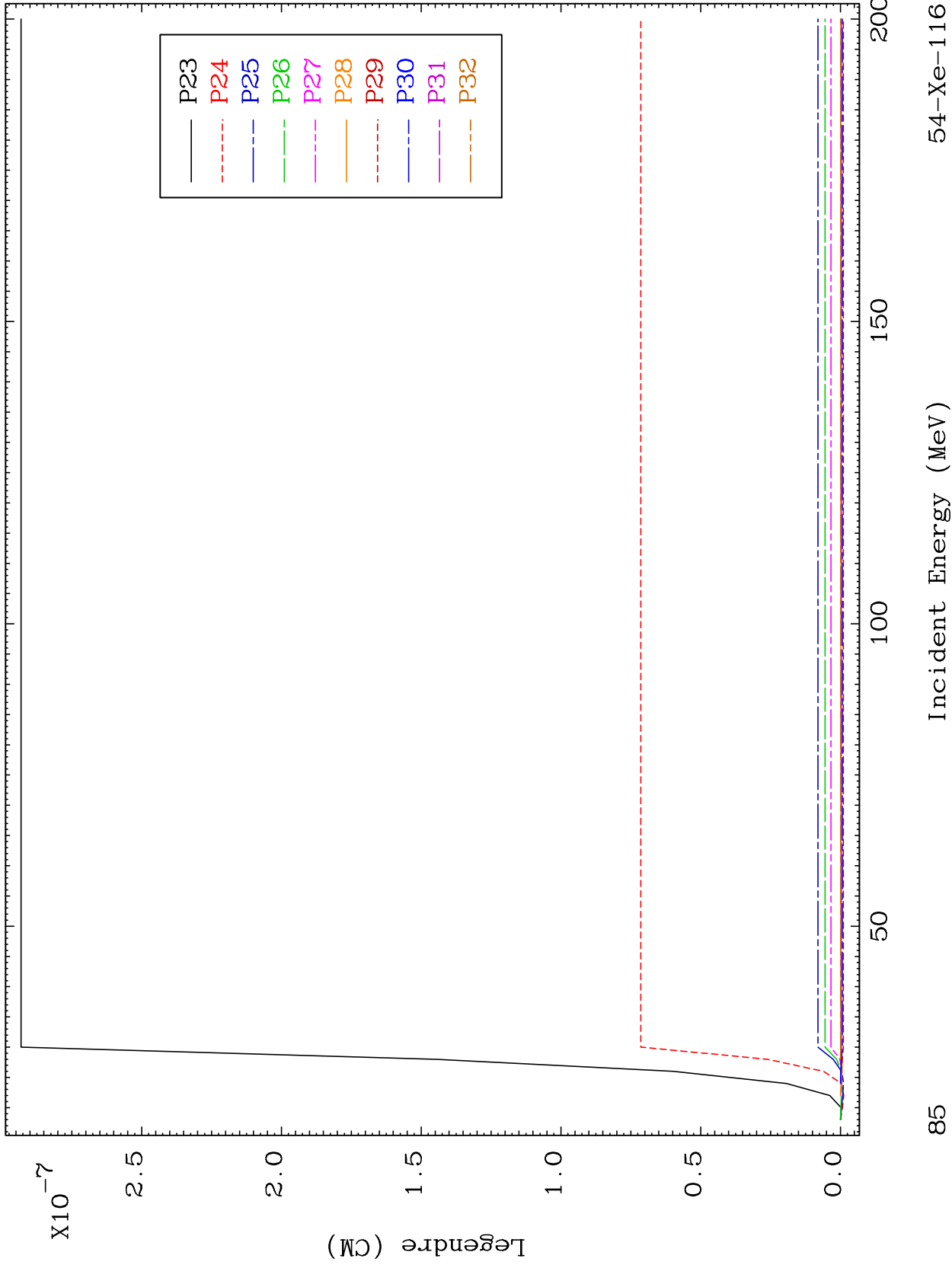
Incident Energy (MeV)

54-Xe-116

MAT 5401

2.982 MeV (n, n') Level
Legendre Coefficients

54-Xe-116



85

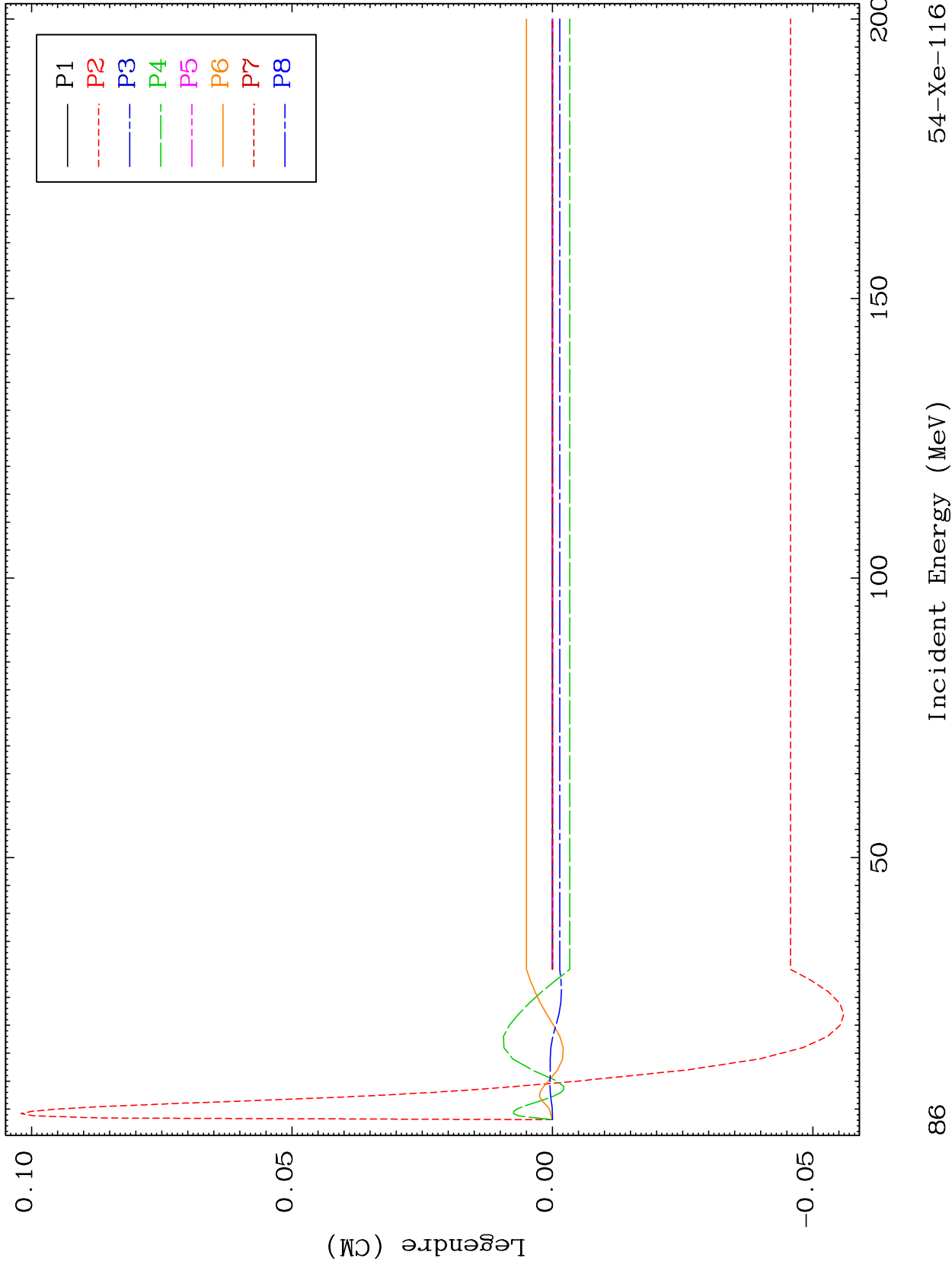
Incident Energy (MeV)

54-Xe-116

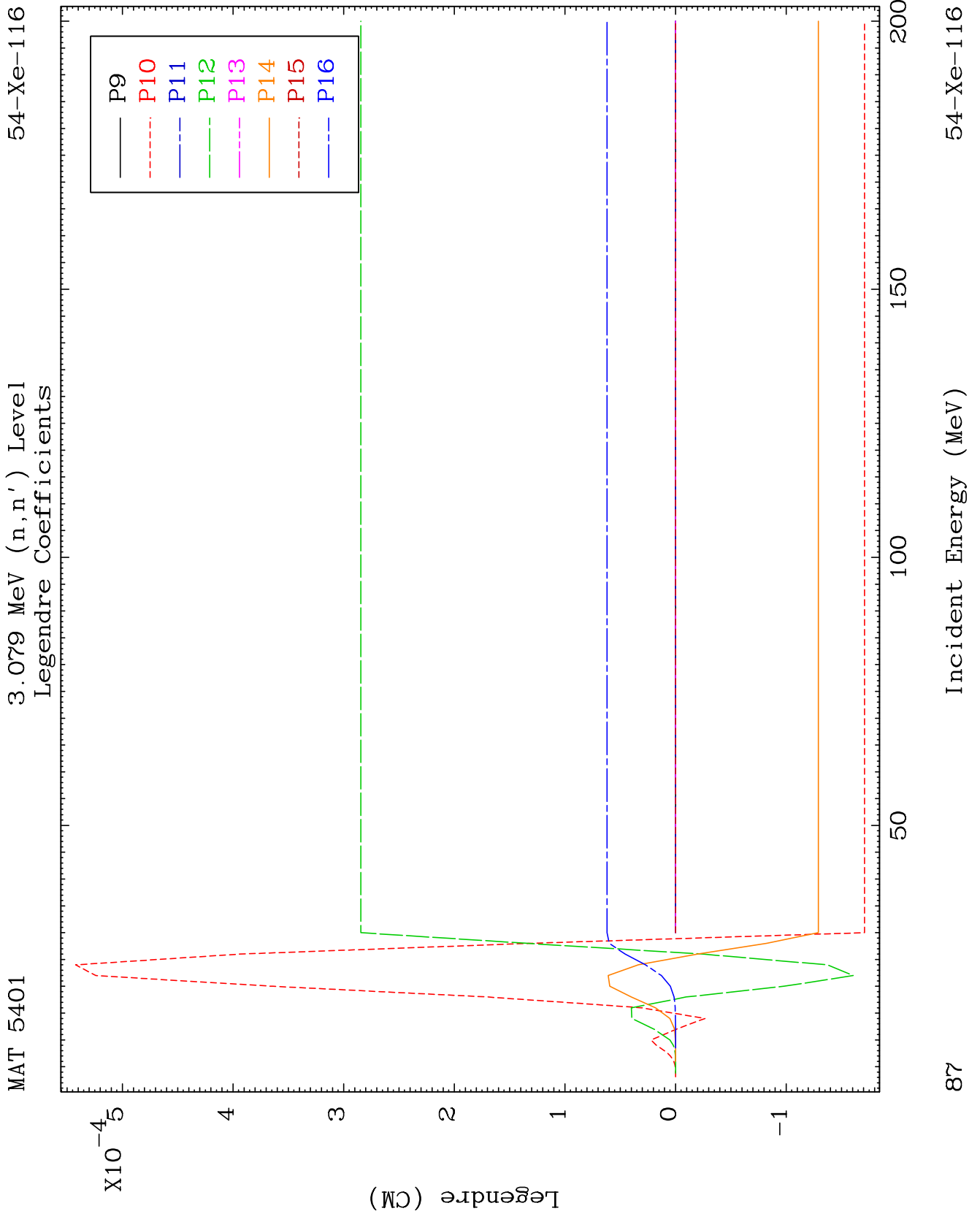
MAT 5401

3.079 MeV (n,n') Level
Legendre Coefficients

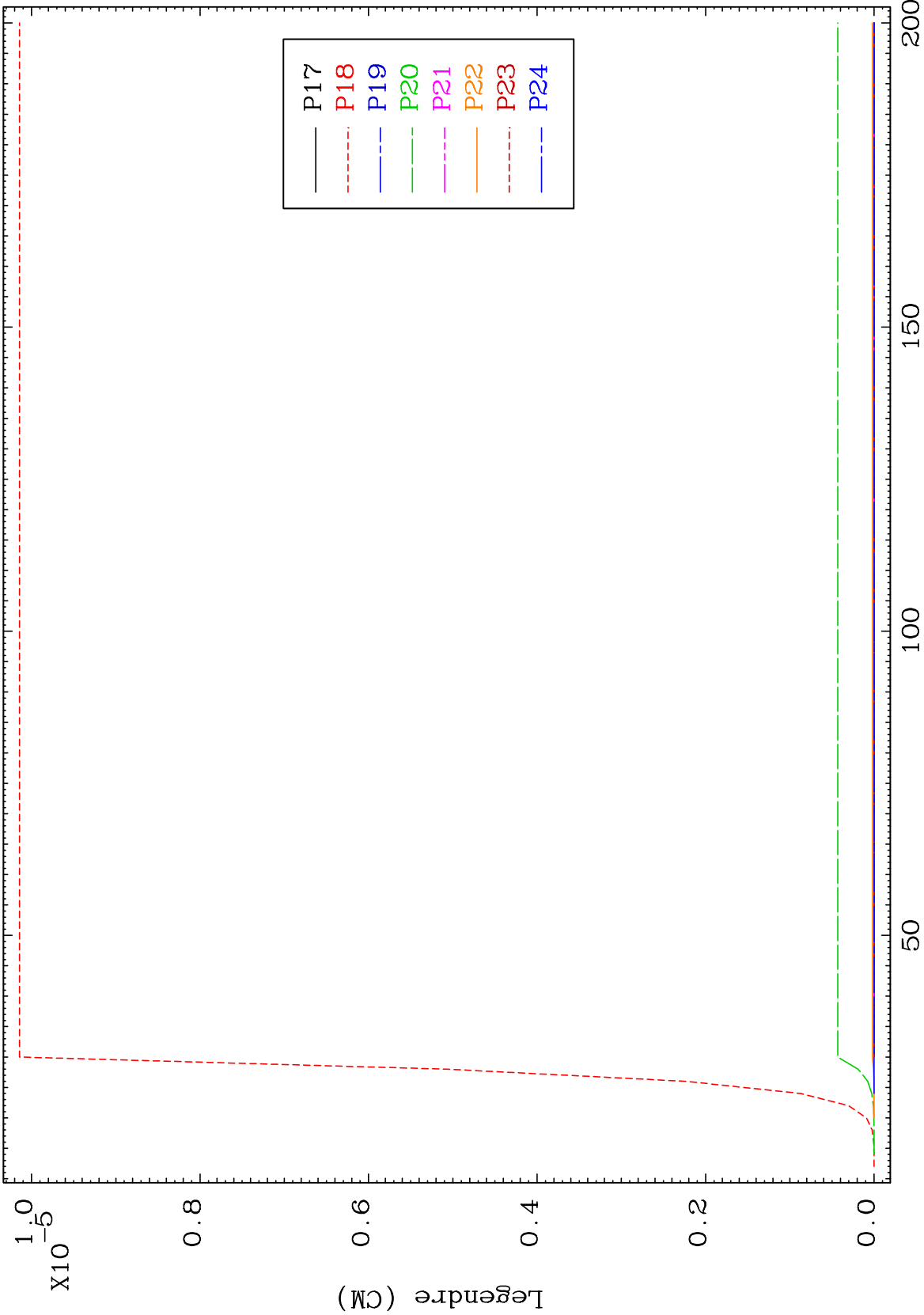
54-Xe-116

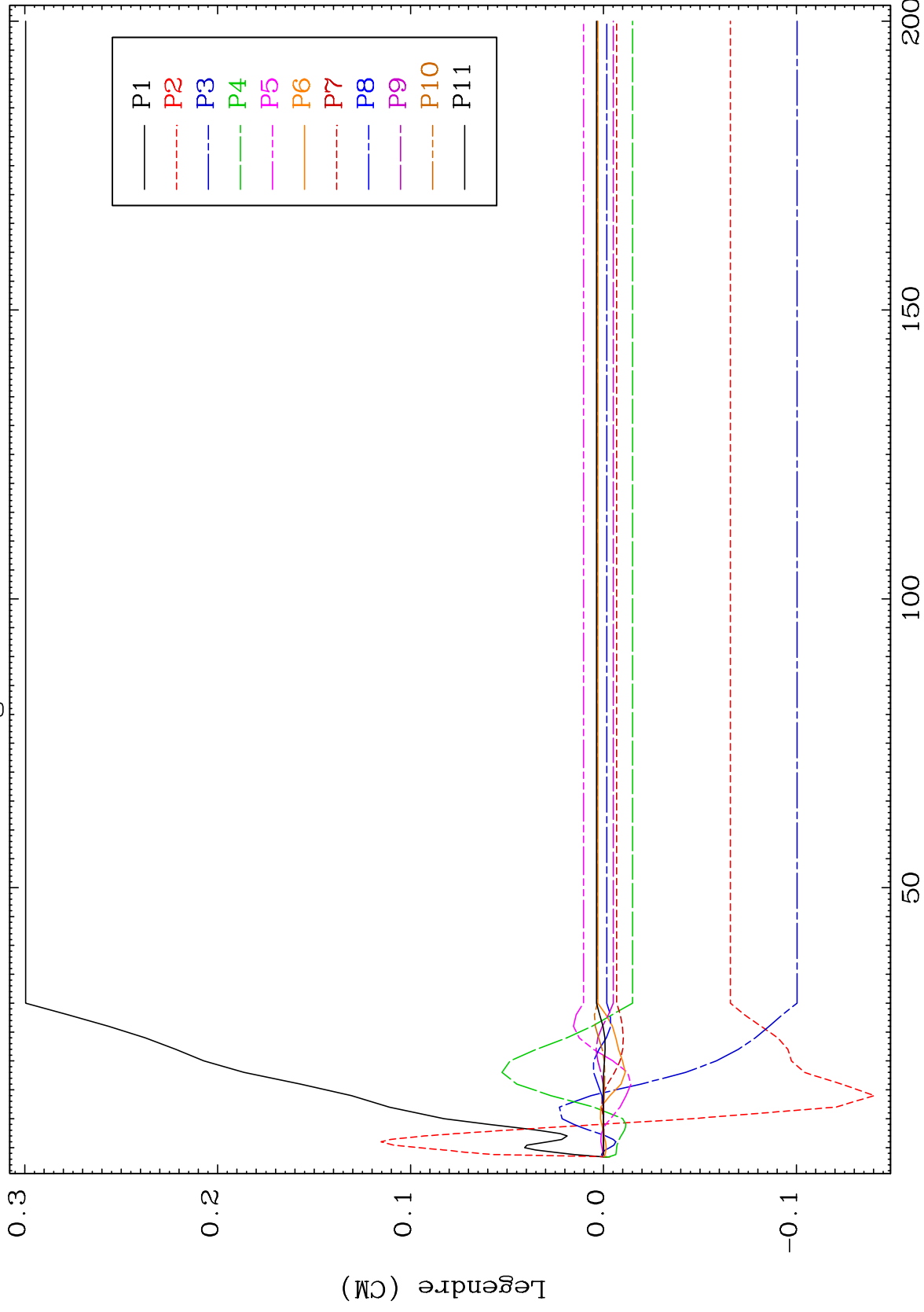


86



Legendre Coefficients

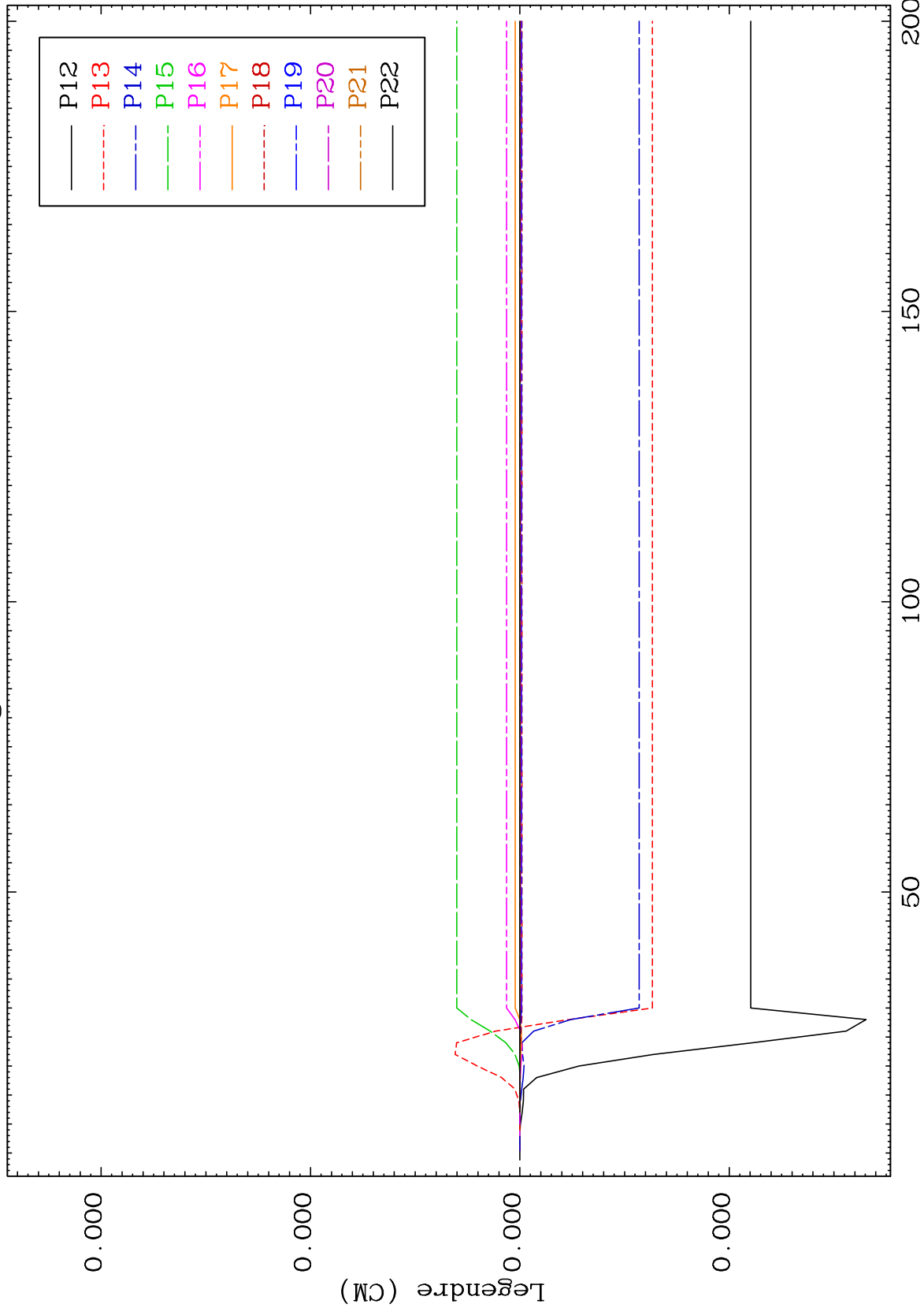




MAT 5401

3.272 MeV (n,n') Level
Legendre Coefficients

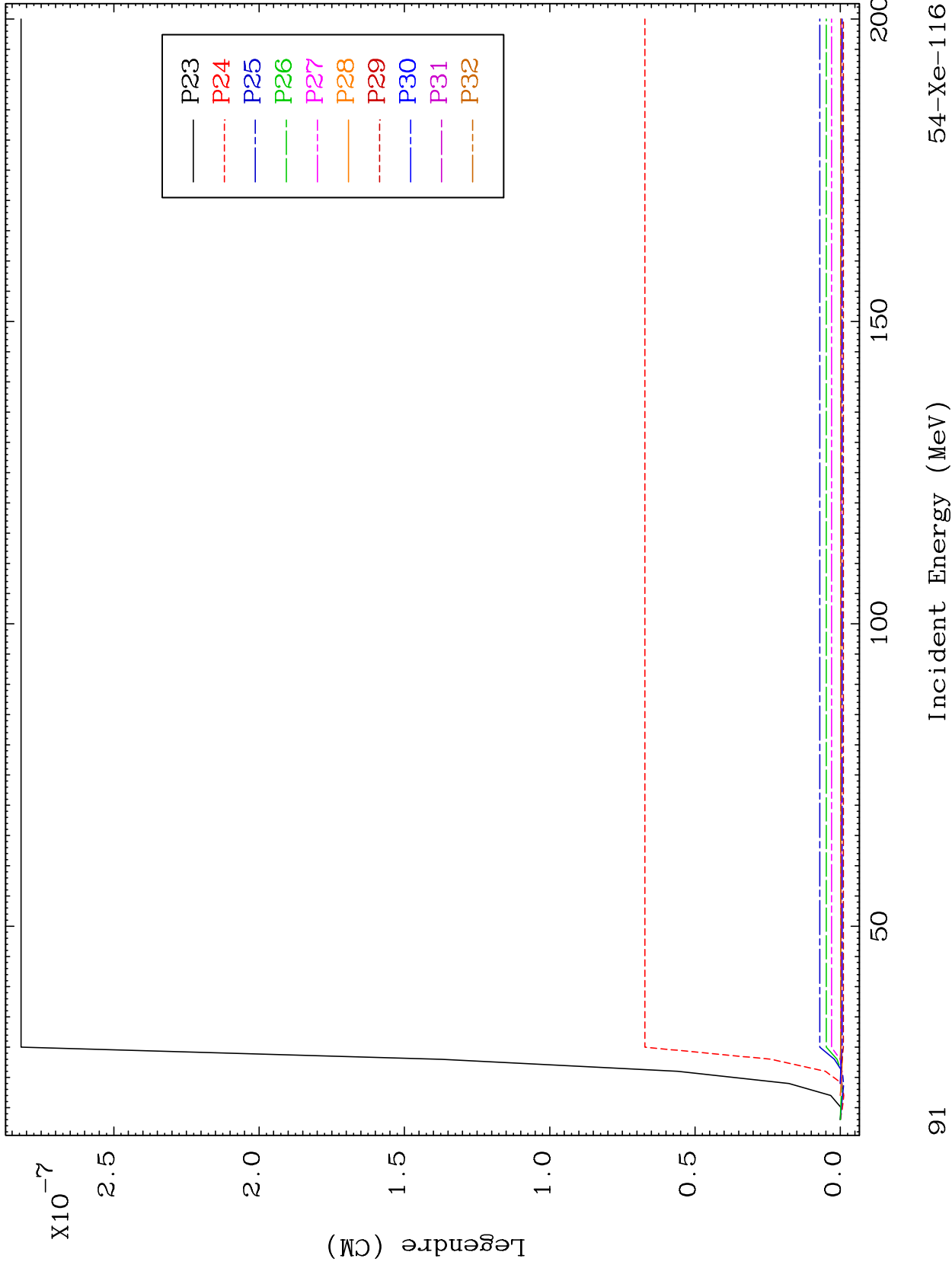
54-Xe-116



90

Incident Energy (MeV)

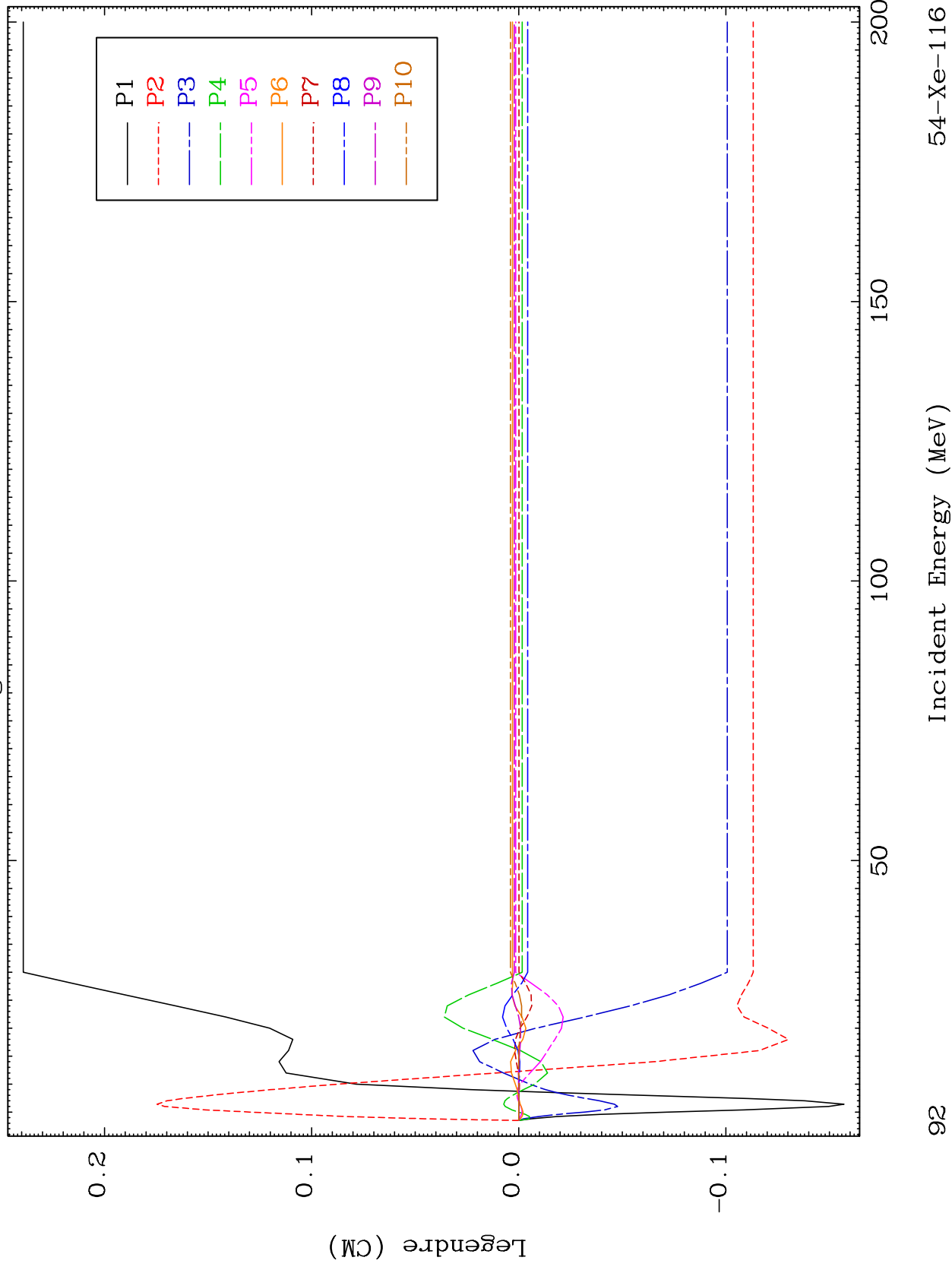
54-Xe-116



MAT 5401

3.457 MeV (n,n') Level
Legendre Coefficients

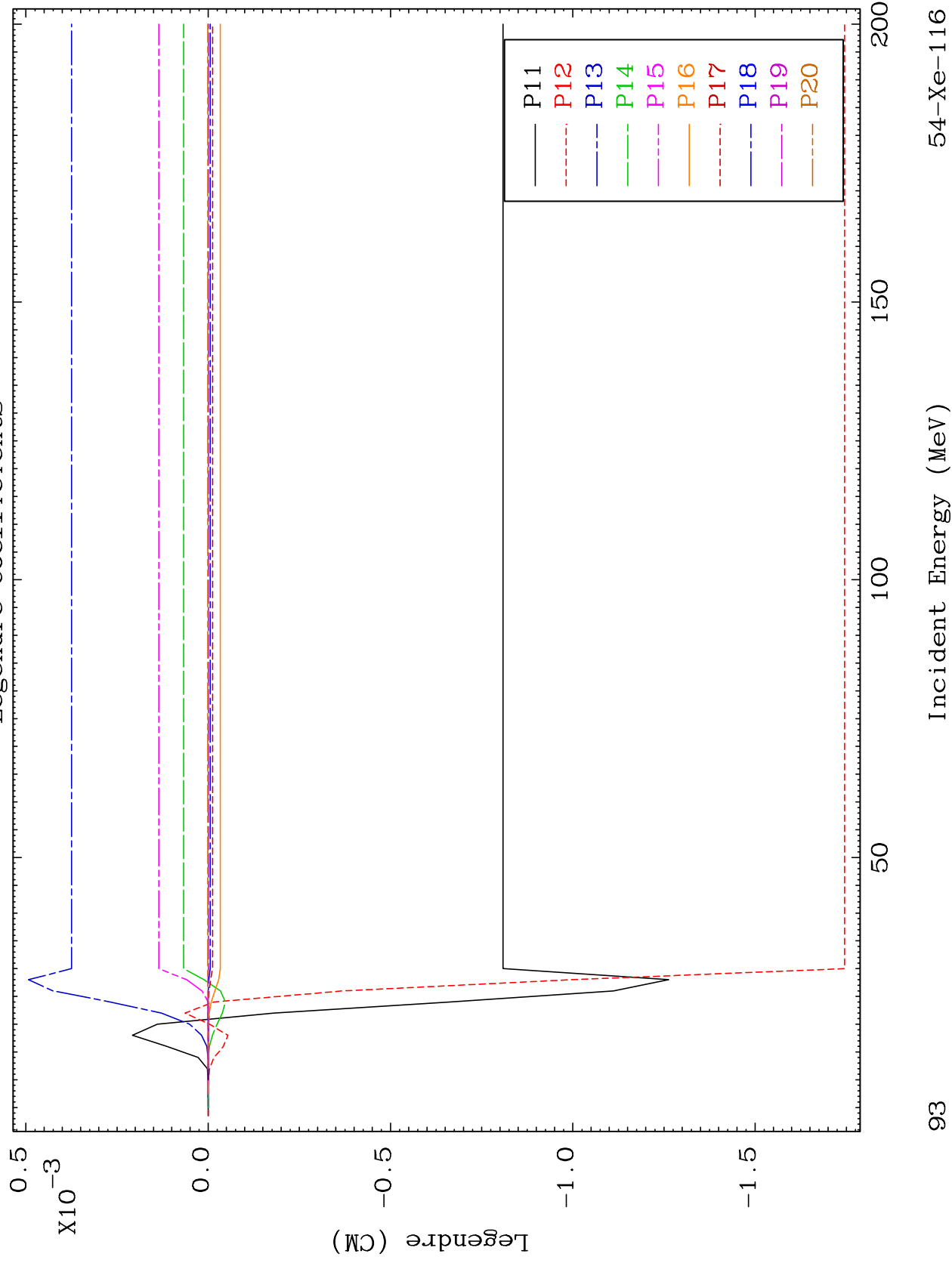
54-Xe-116



MAT 5401

3.457 MeV (n, n') Level
Legendre Coefficients

54-Xe-116



93

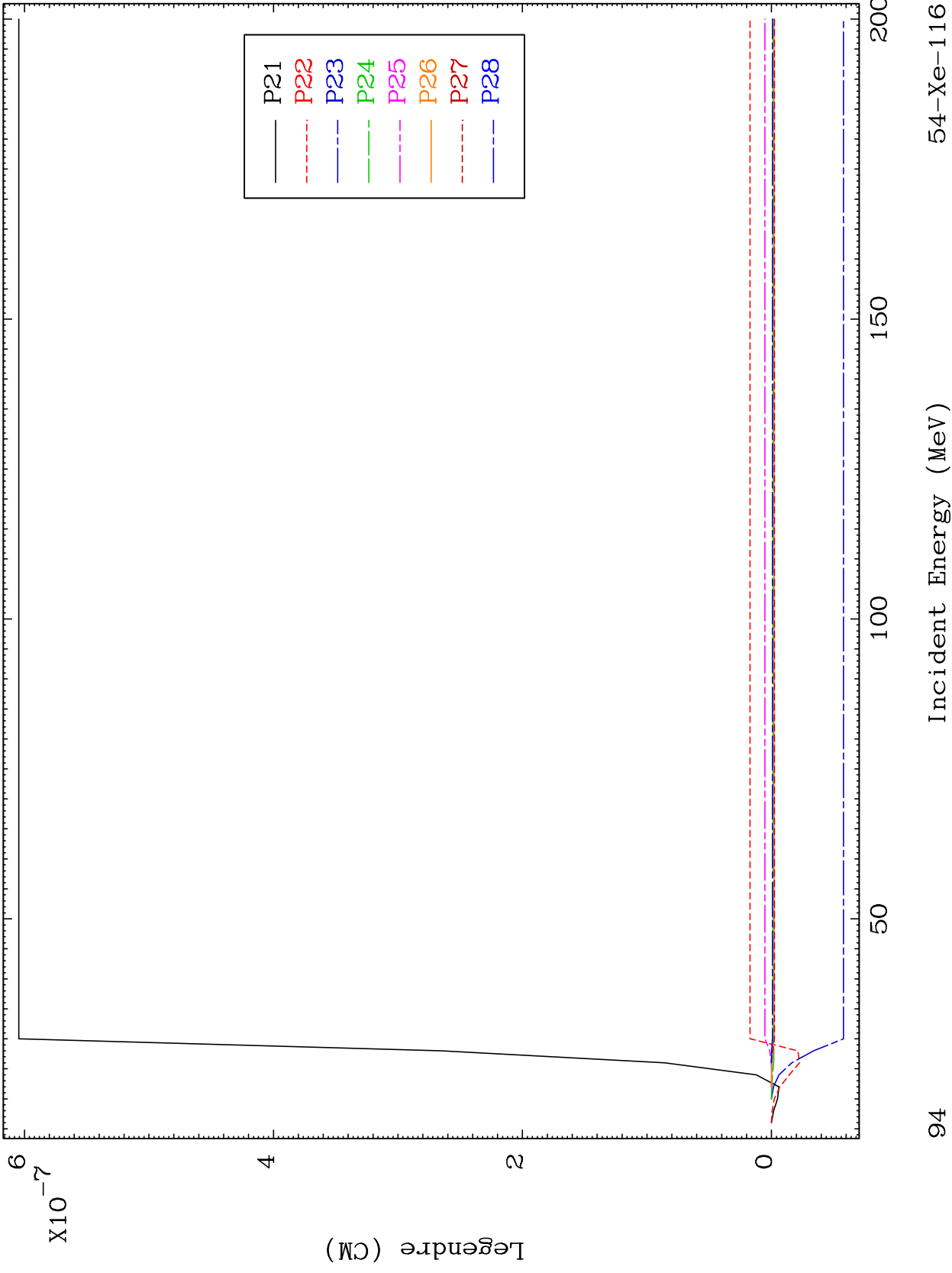
Incident Energy (MeV)

54-Xe-116

MAT 5401

3.457 MeV (n,n') Level
Legendre Coefficients

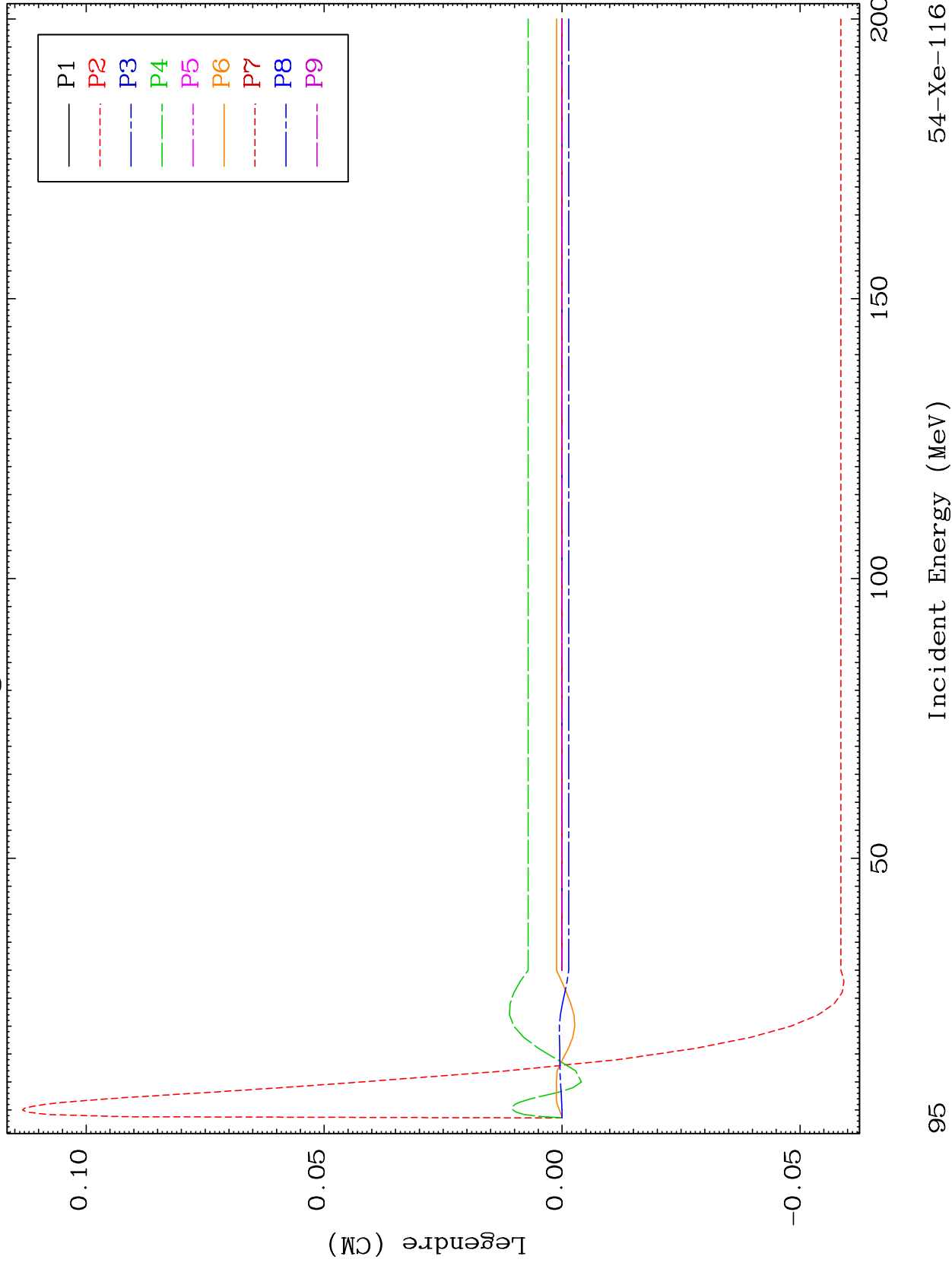
54-Xe-116



MAT 5401

3.555 MeV (n,n') Level
Legendre Coefficients

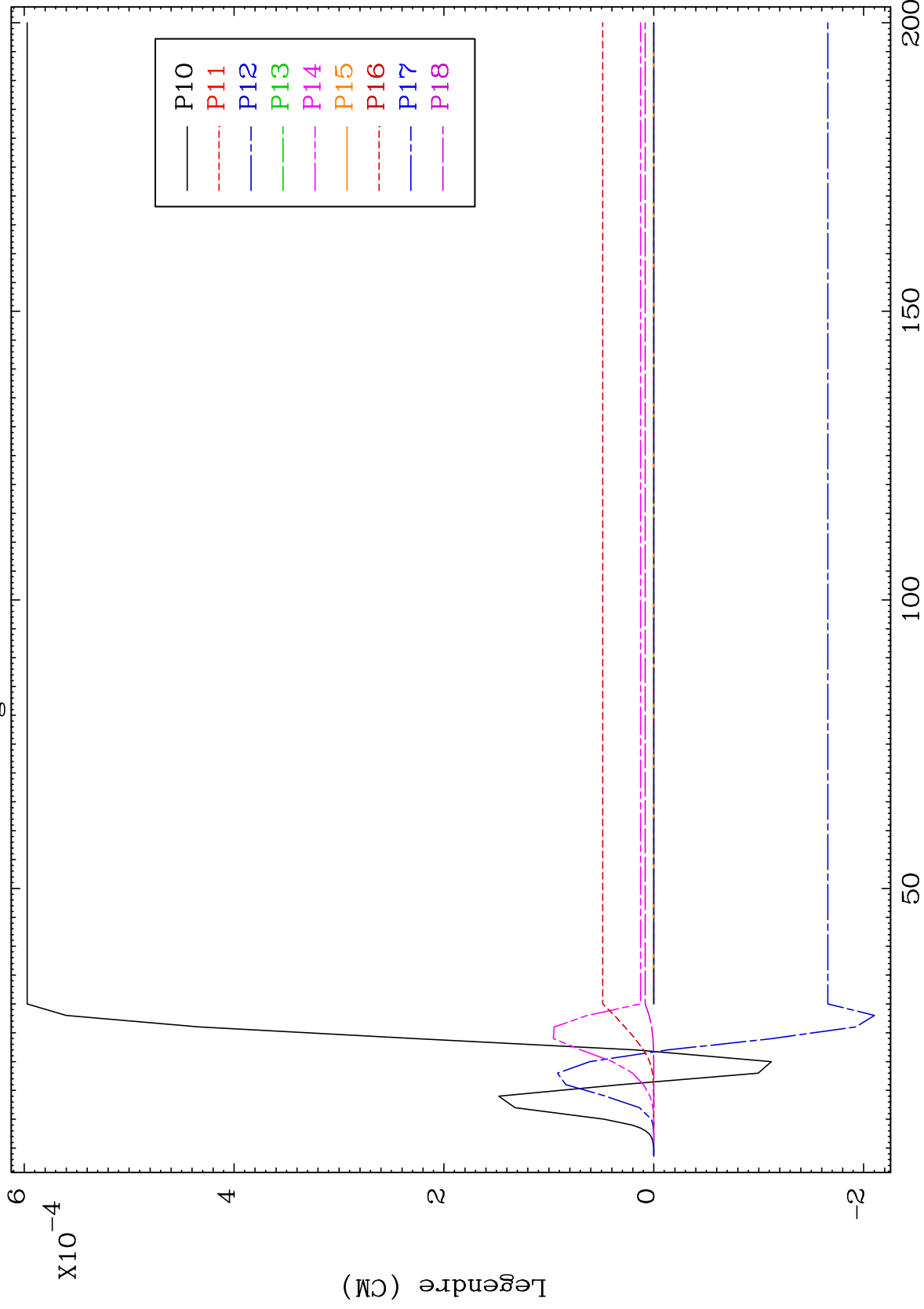
54-Xe-116

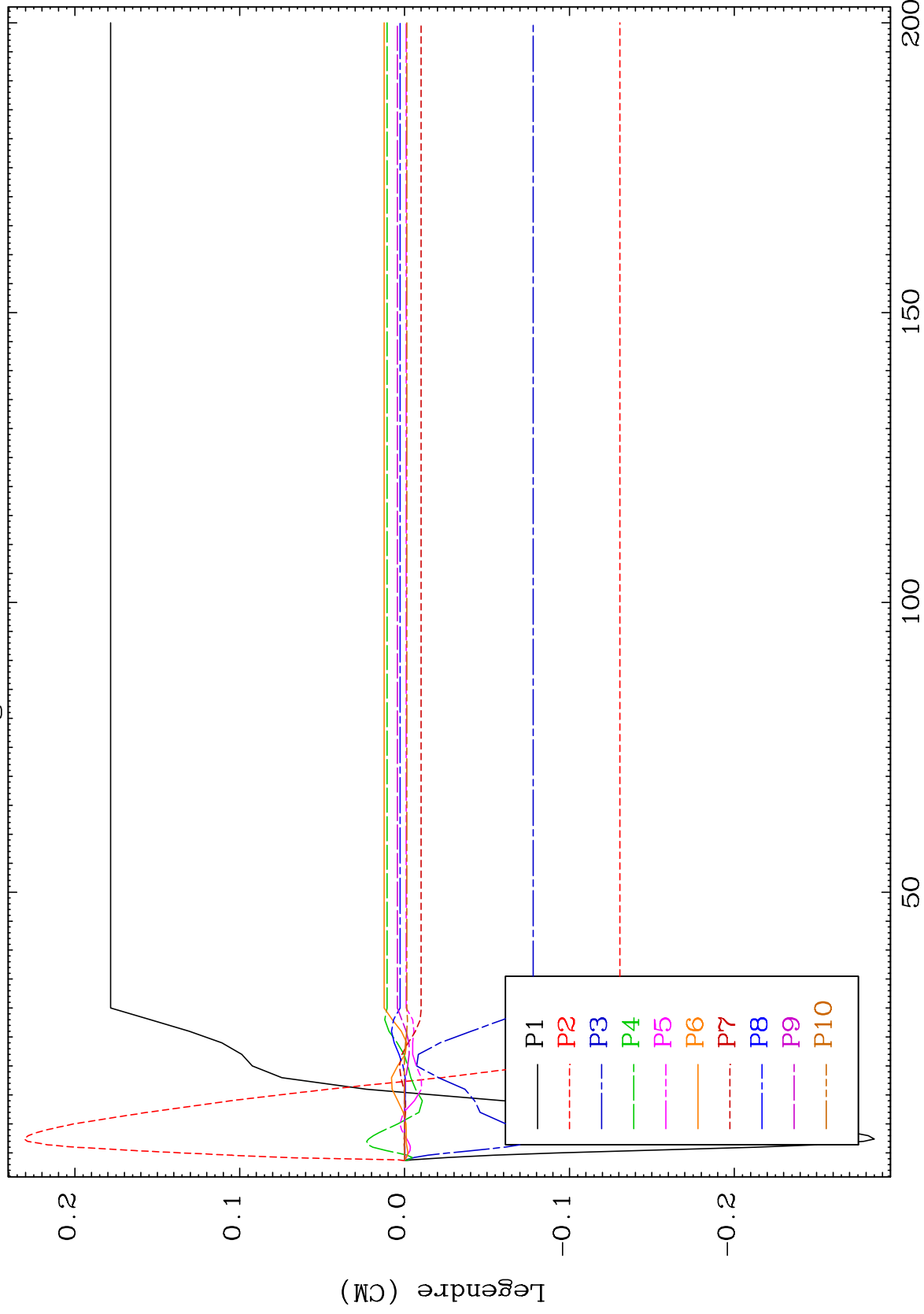


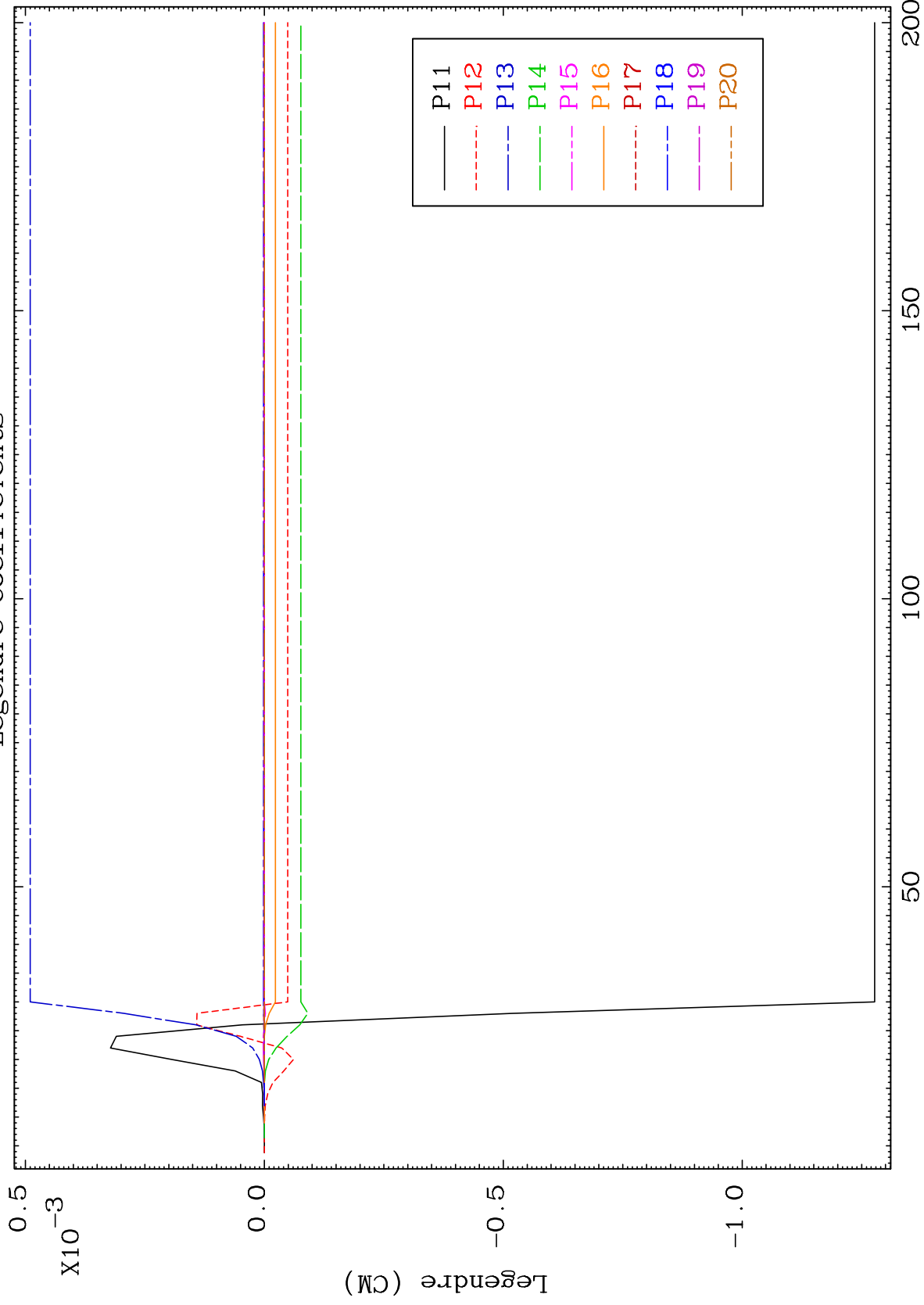
54-Xe-116

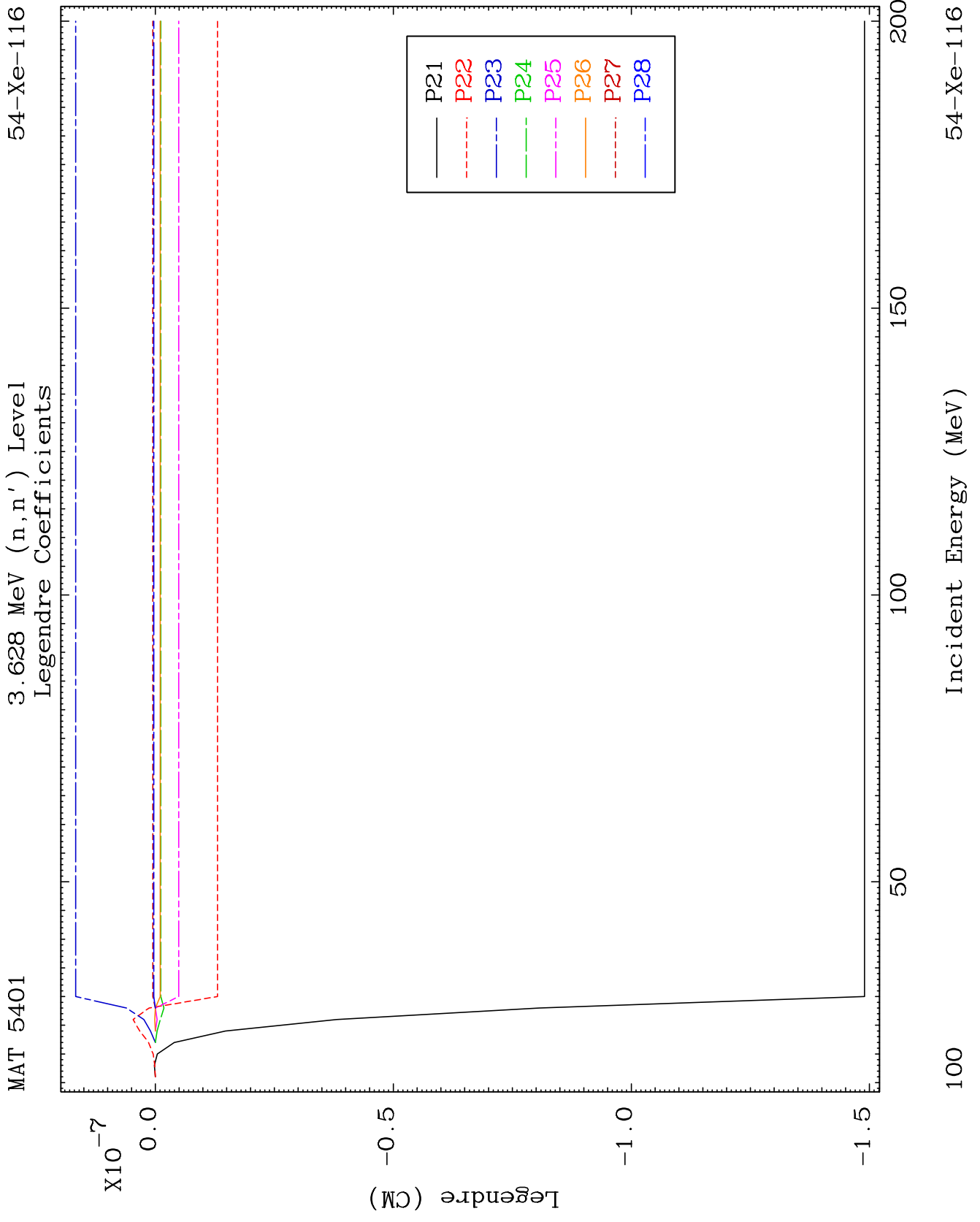
Incident Energy (MeV)

95





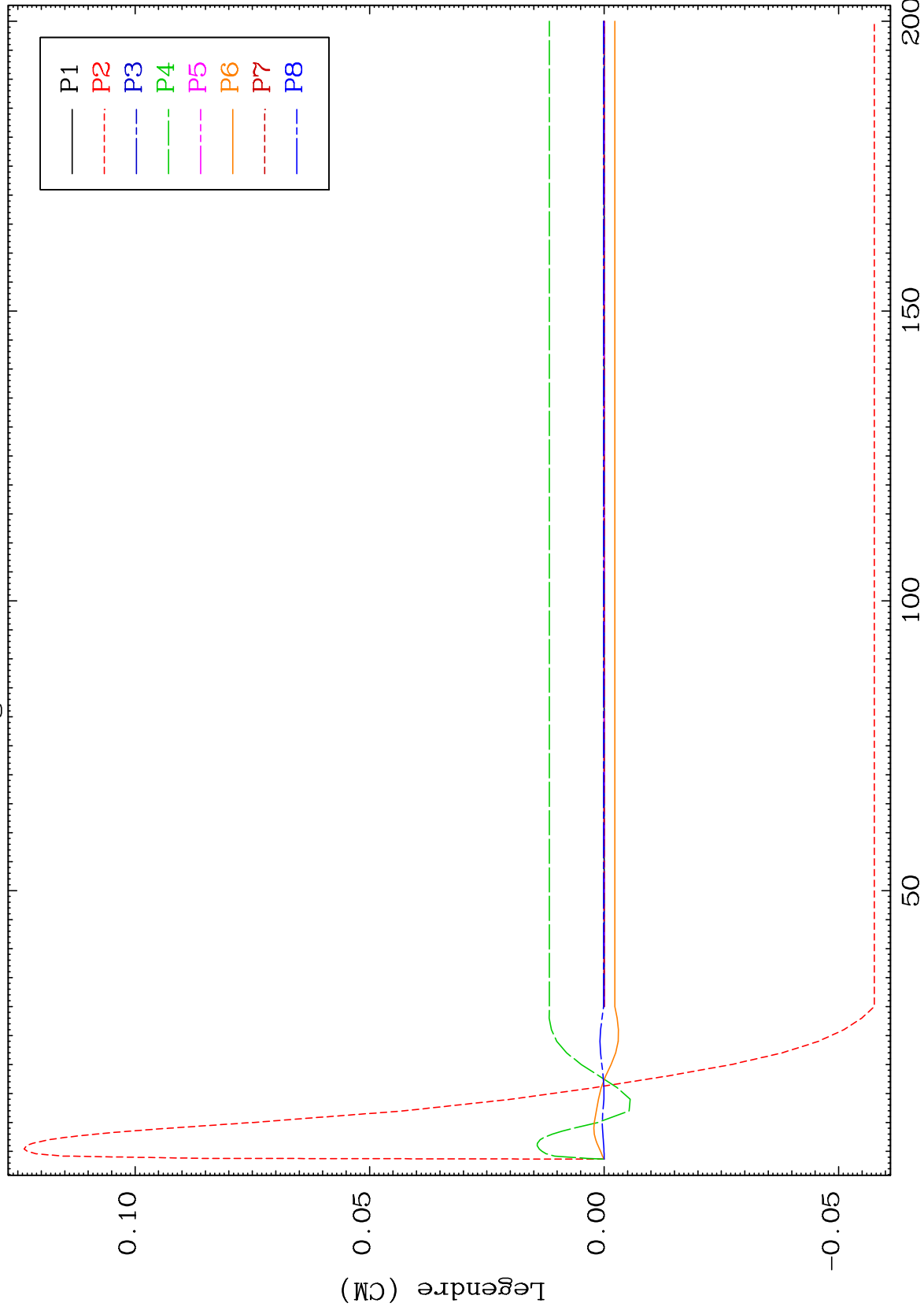




MAT 5401

3.633 MeV (n,n') Level
Legendre Coefficients

54-Xe-116



54-Xe-116

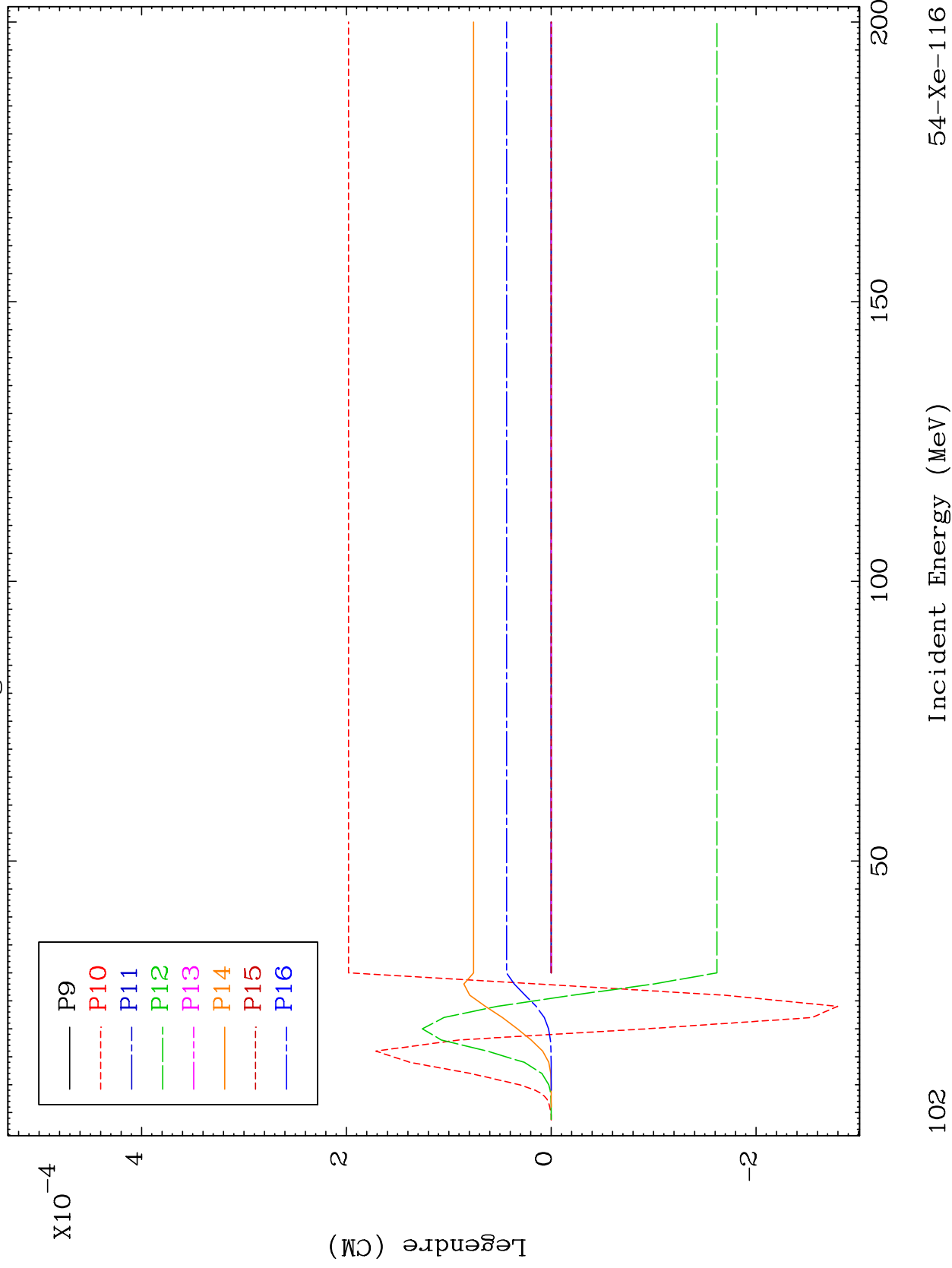
Incident Energy (MeV)

101

MAT 5401

3.633 MeV (n,n') Level
Legendre Coefficients

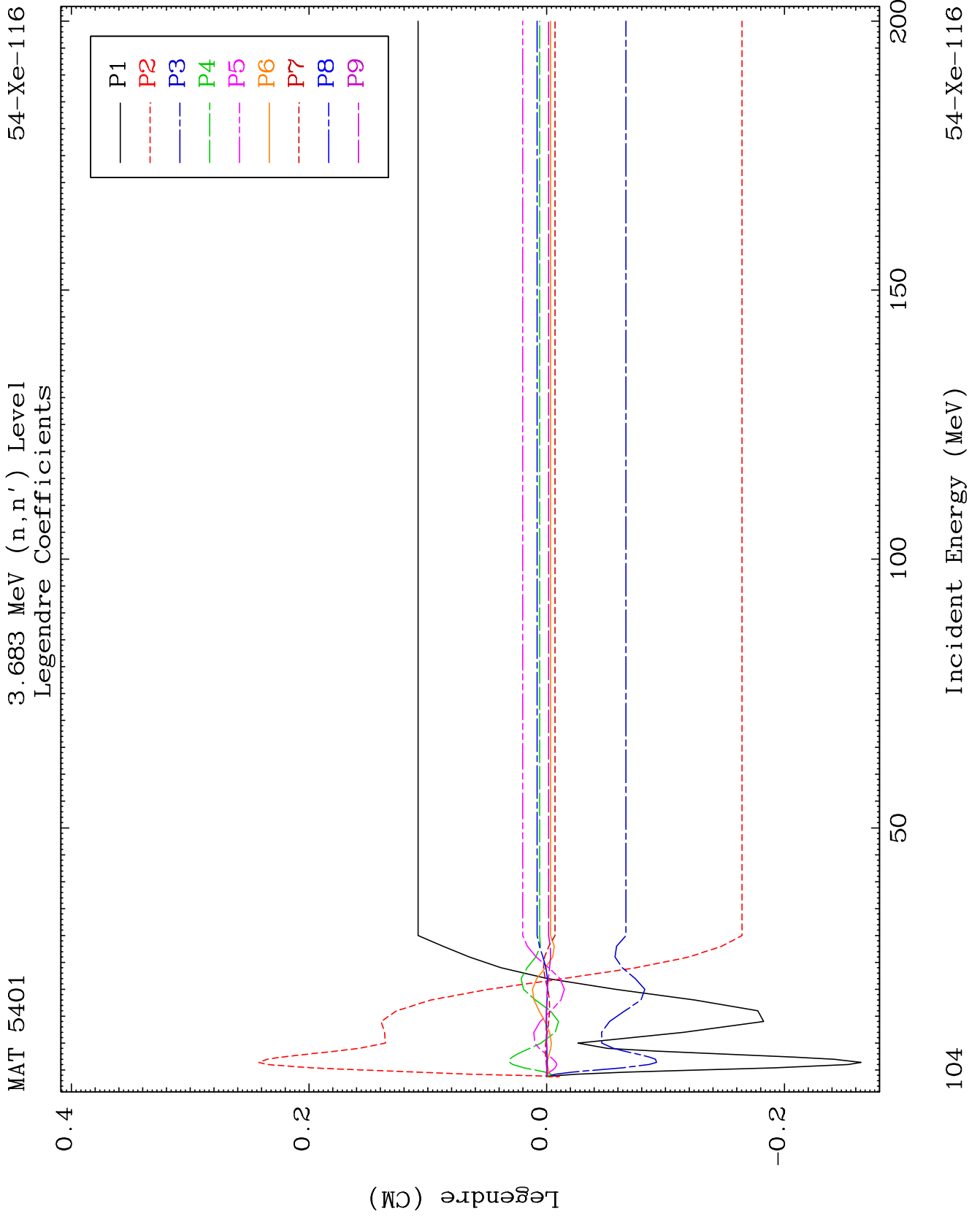
54-Xe-116



102

Incident Energy (MeV)

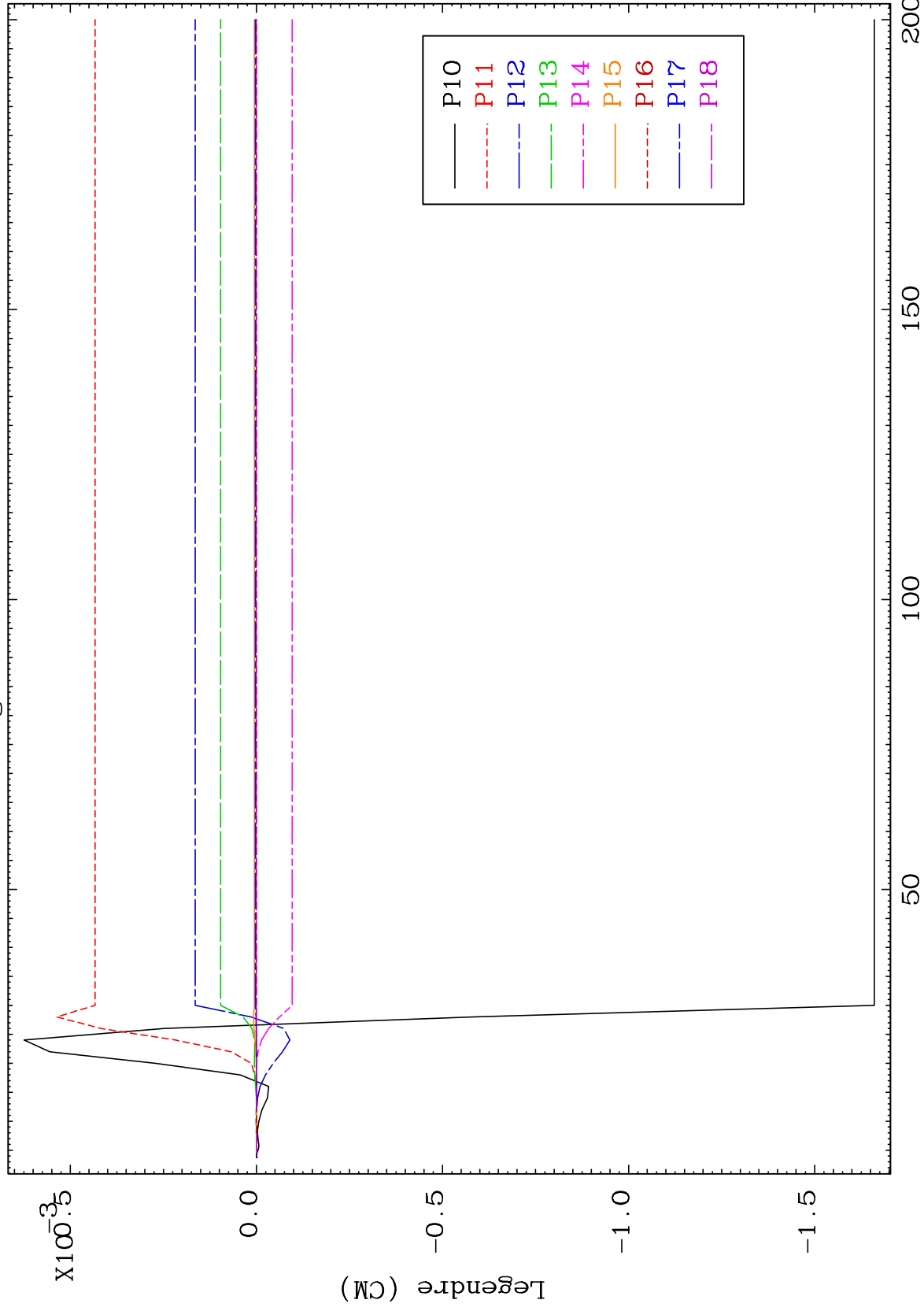
54-Xe-116



MAT 5401

3.683 MeV (n,n') Level
Legendre Coefficients

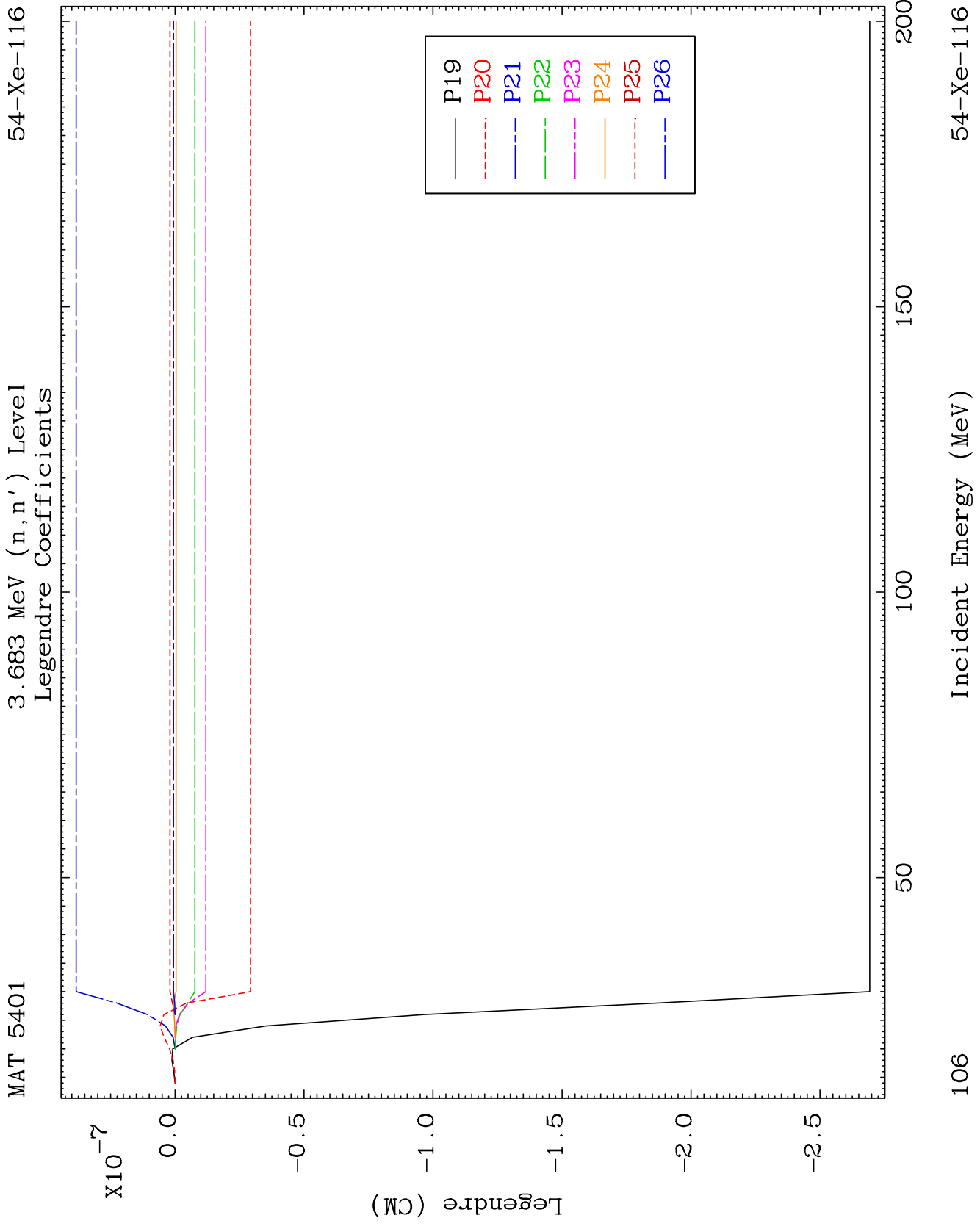
54-Xe-116

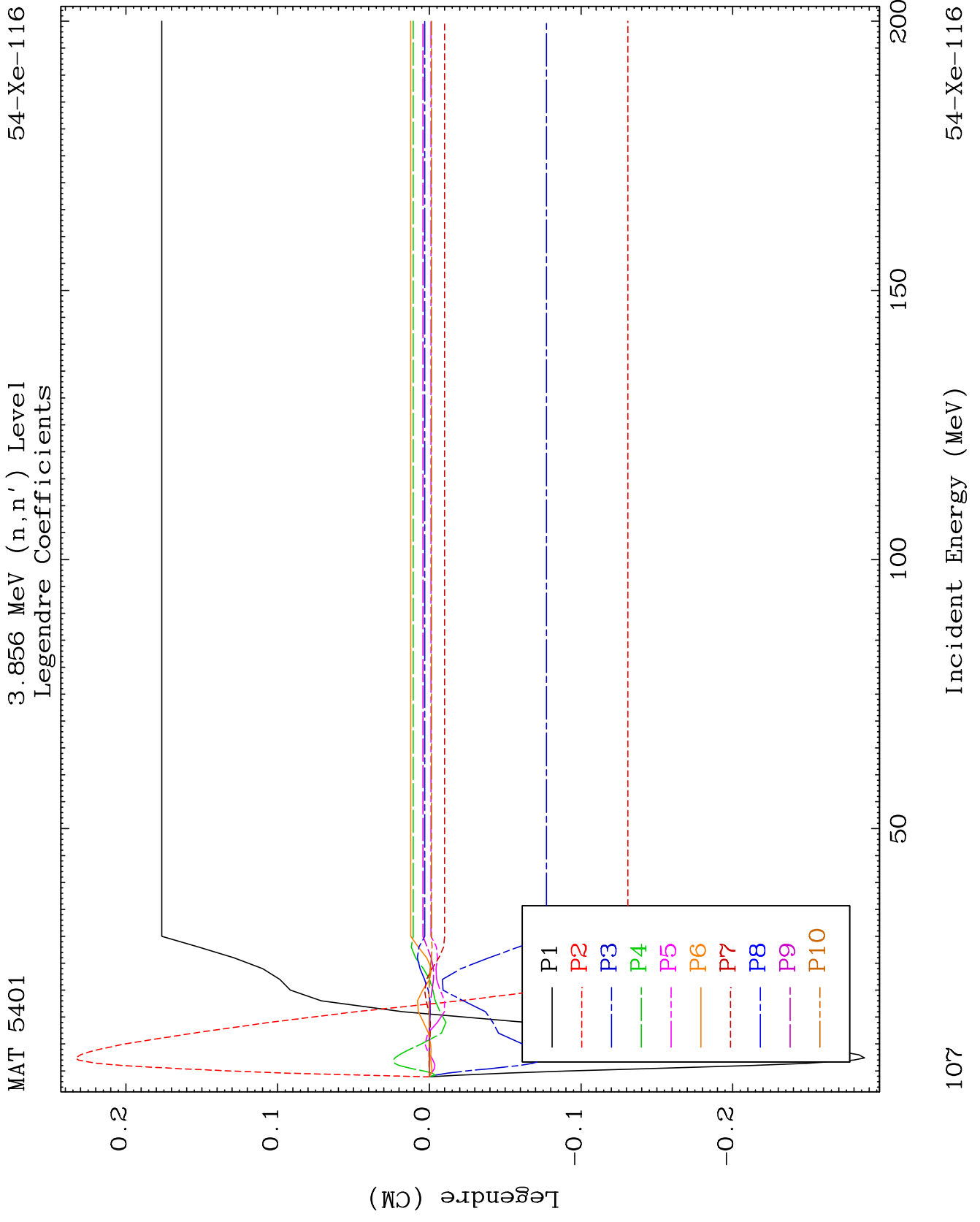


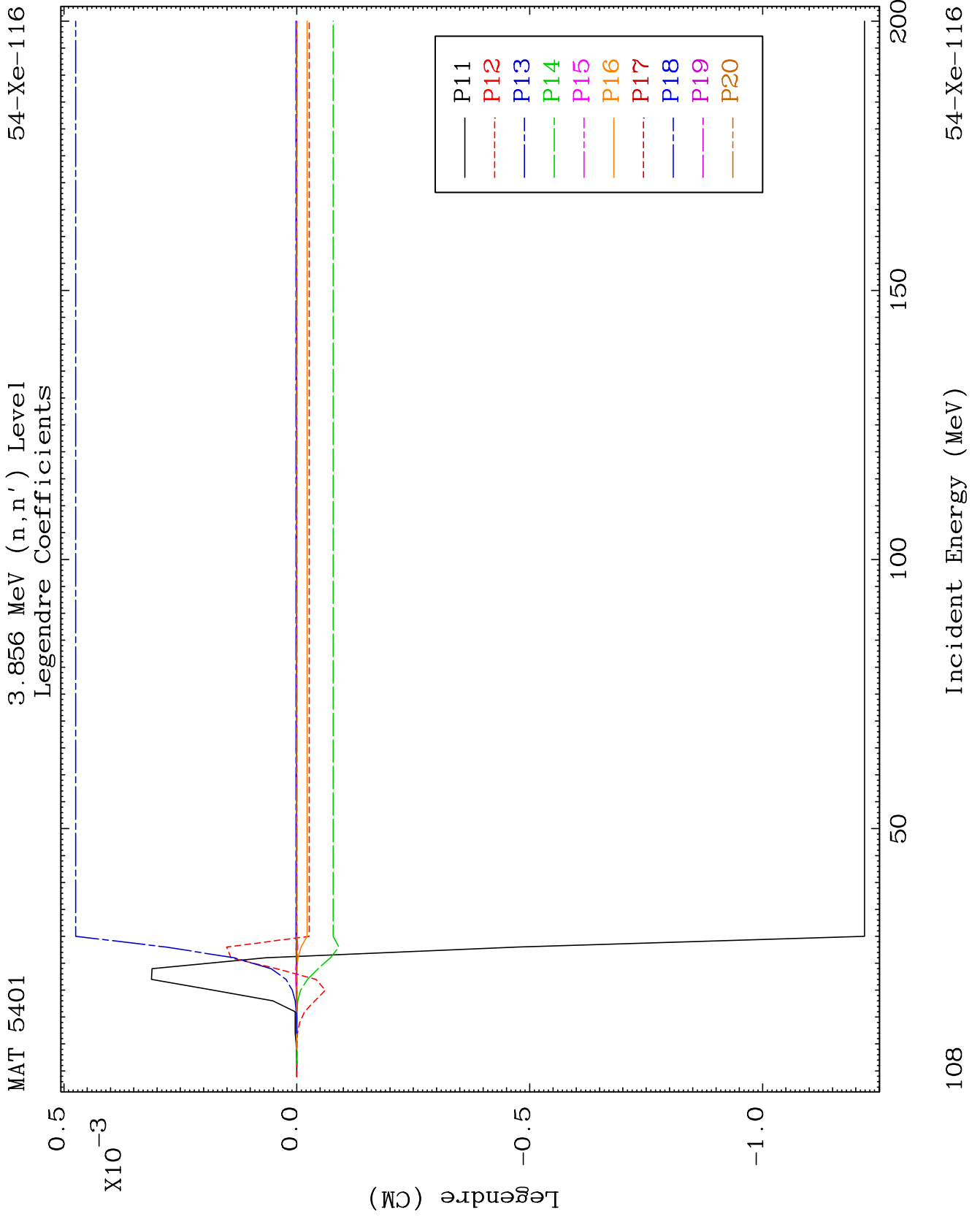
105

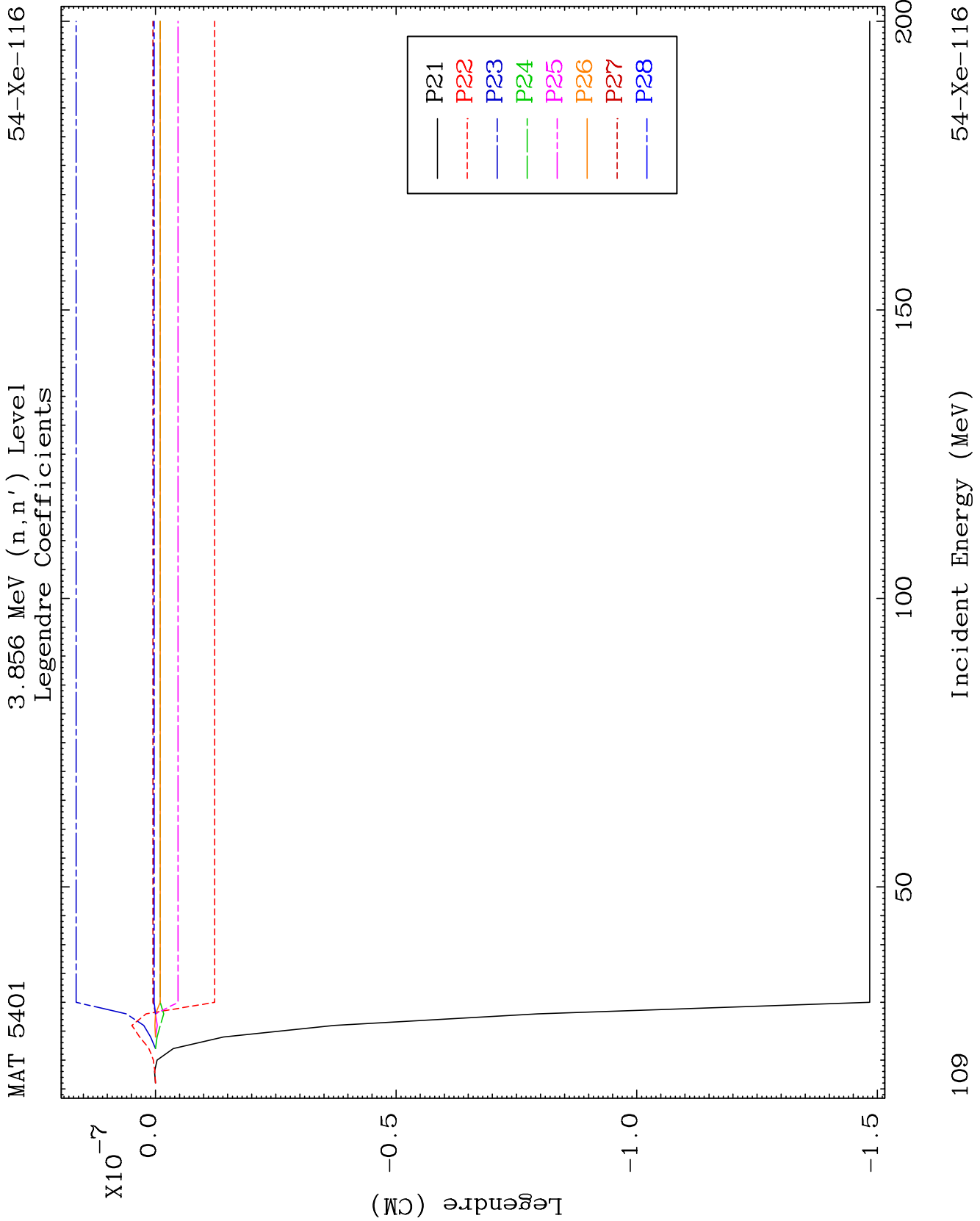
Incident Energy (MeV)

54-Xe-116





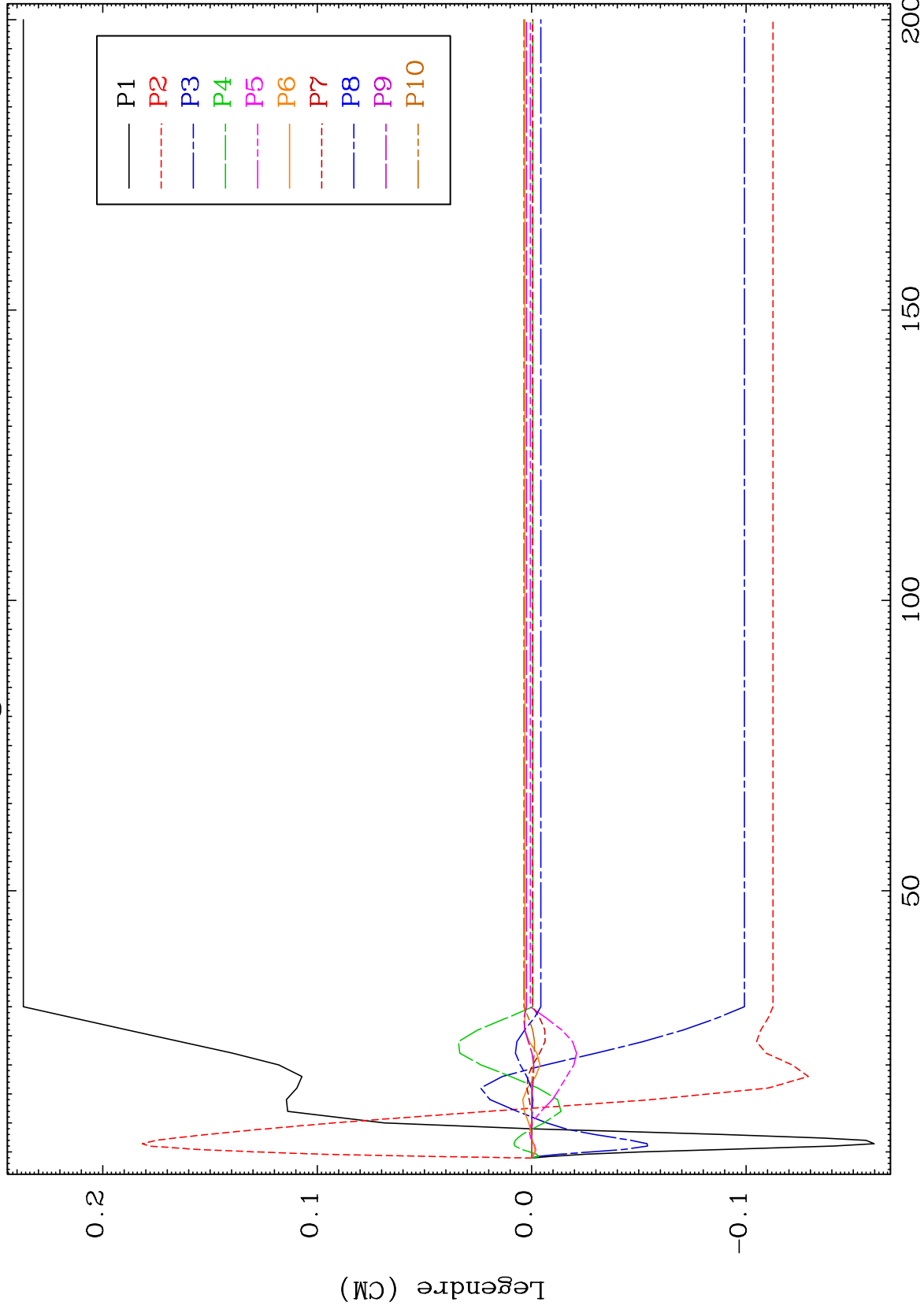




MAT 5401

3.909 MeV (n,n') Level
Legendre Coefficients

54-Xe-116



110

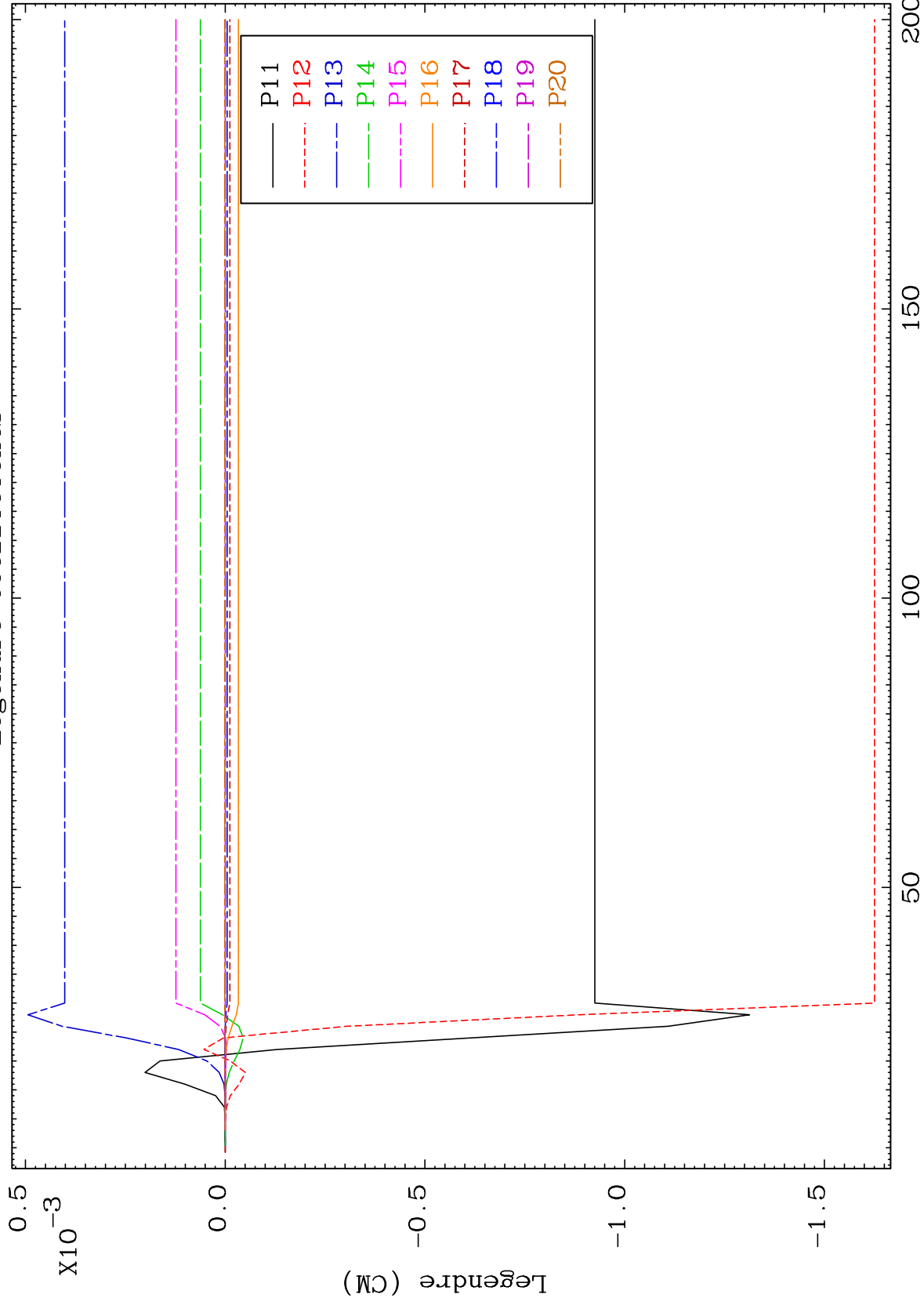
Incident Energy (MeV)

54-Xe-116

MAT 5401

3.909 MeV (n,n') Level
Legendre Coefficients

54-Xe-116



111

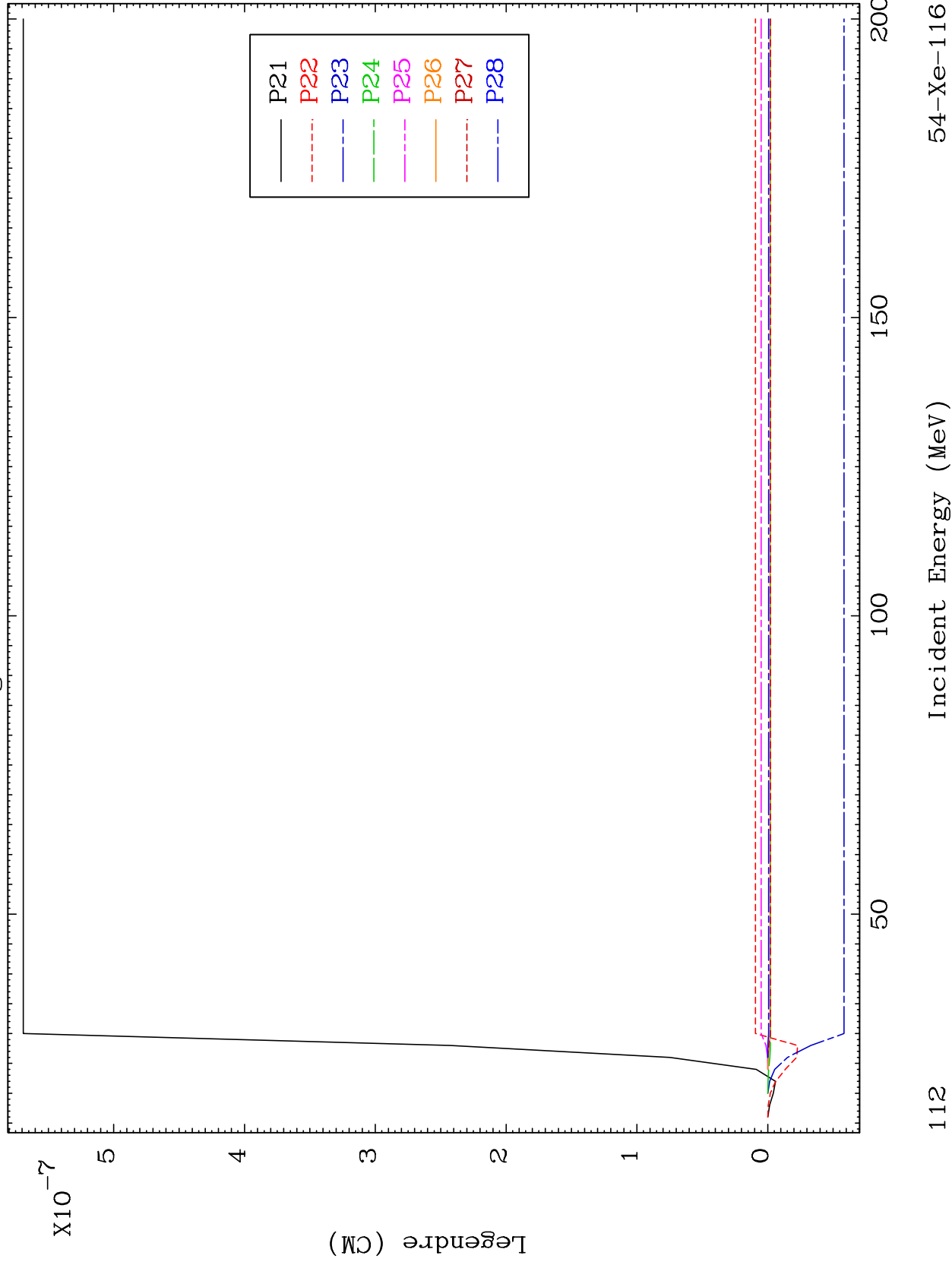
Incident Energy (MeV)

54-Xe-116

MAT 5401

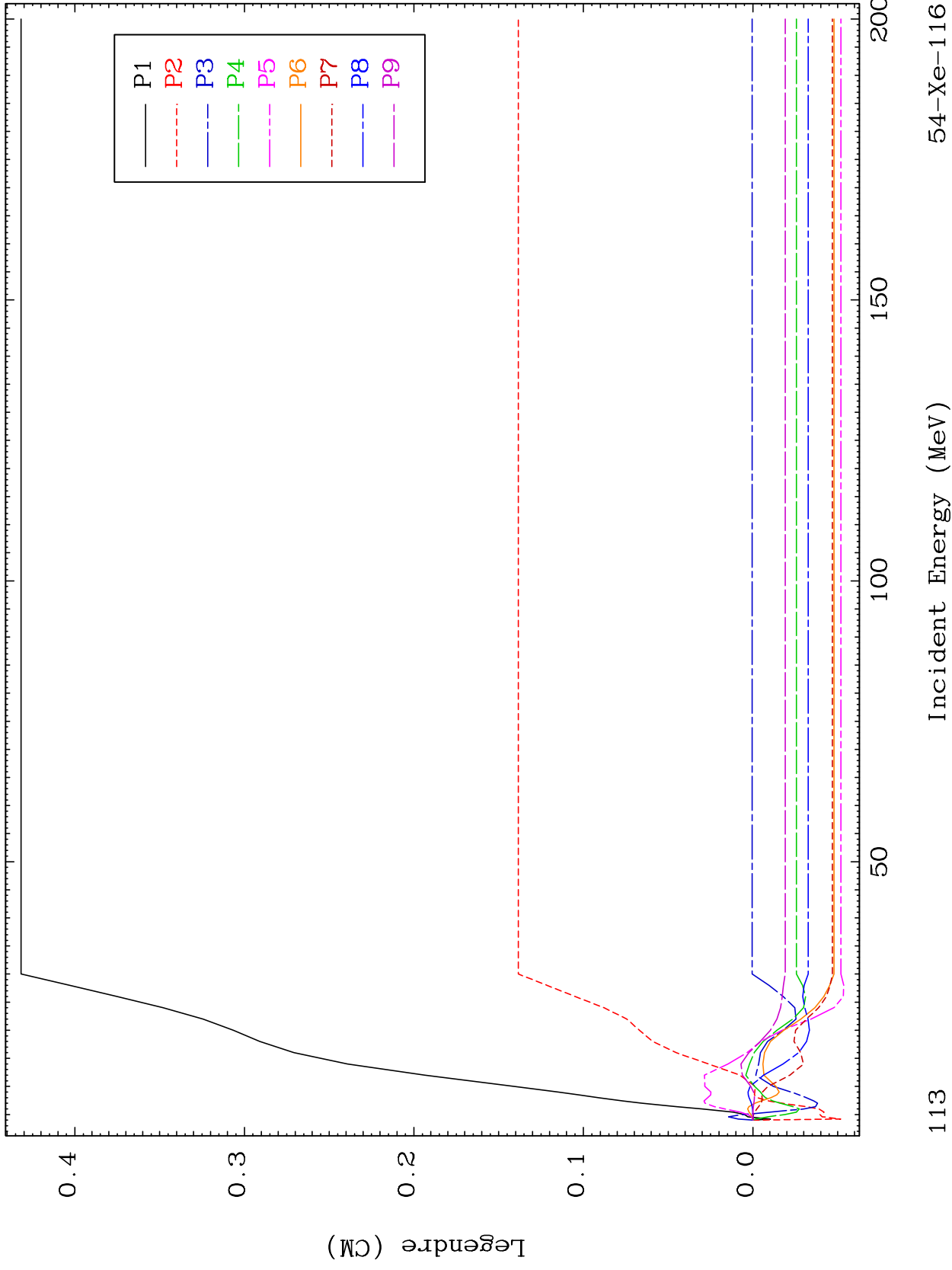
3.909 MeV (n,n') Level
Legendre Coefficients

54-Xe-116



112

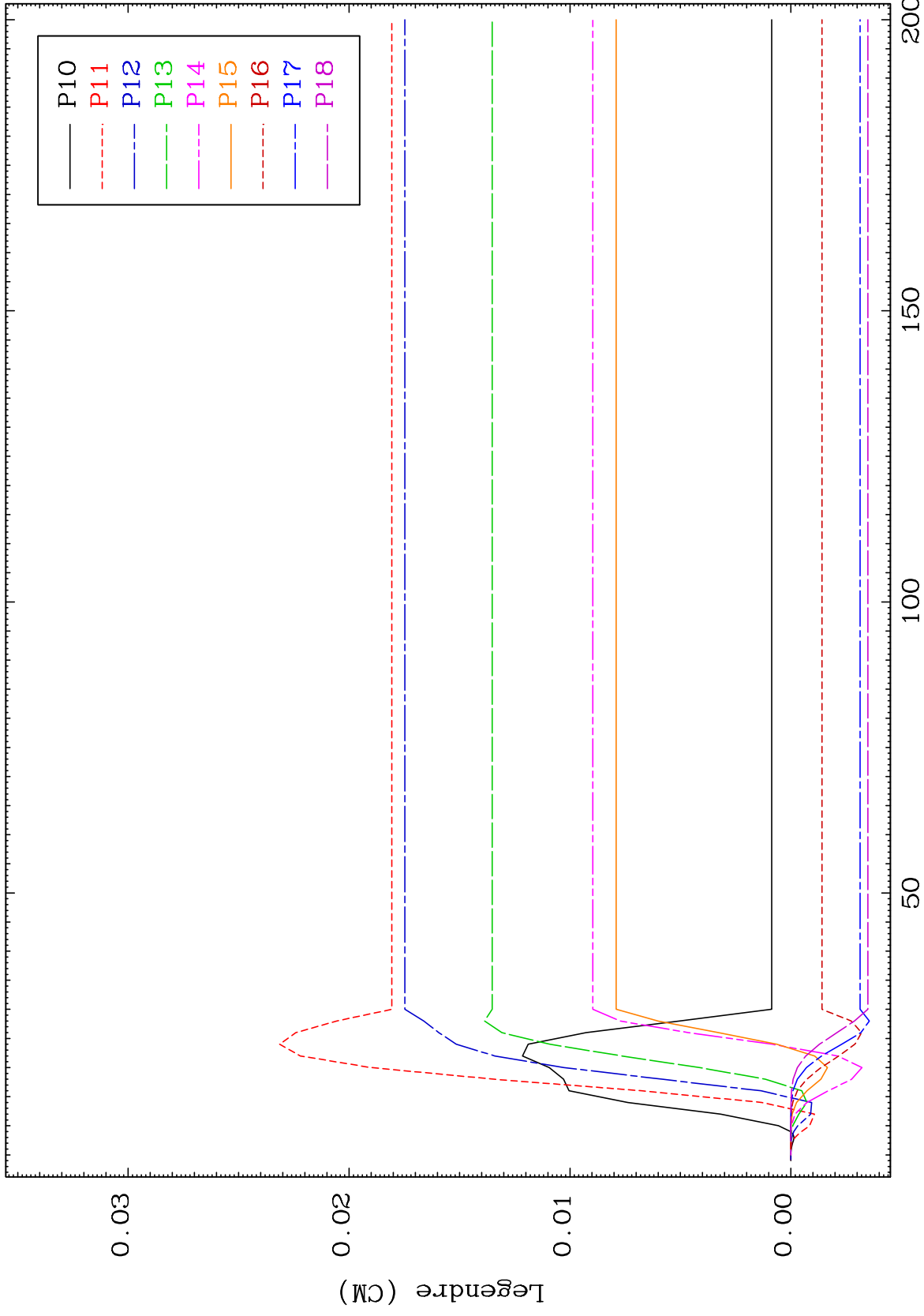
54-Xe-116



MAT 5401

3.961 MeV (n,n') Level
Legendre Coefficients

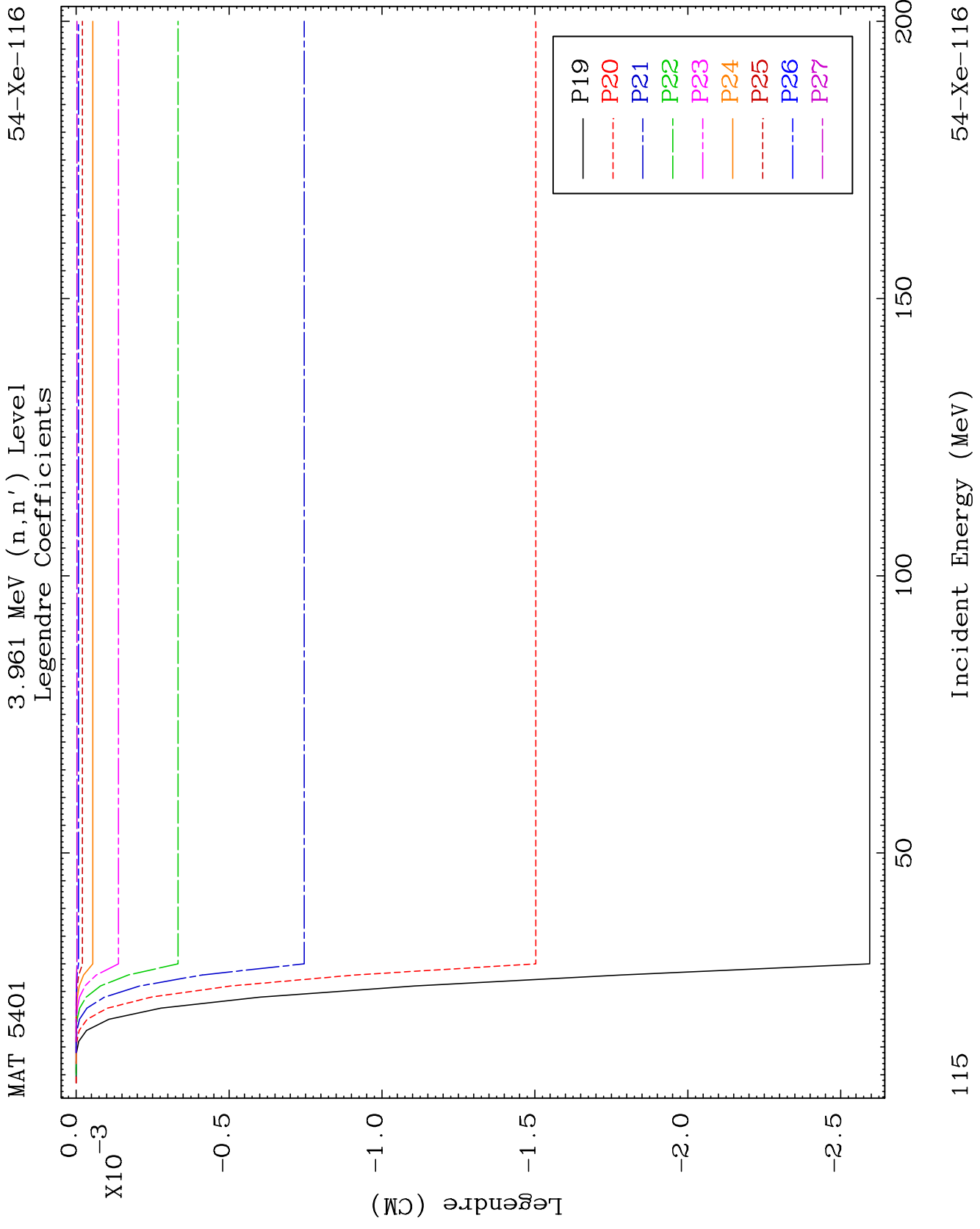
54-Xe-116

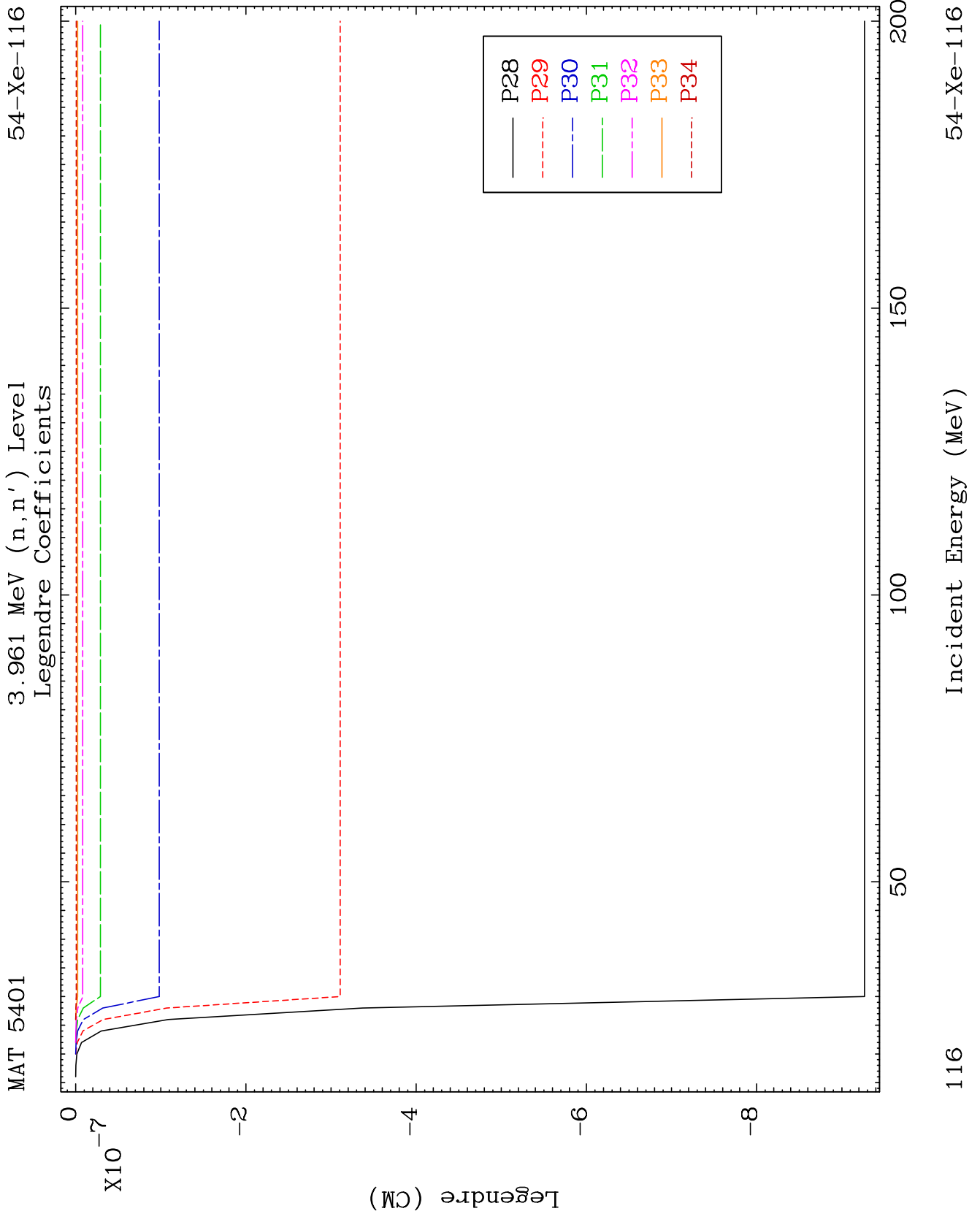


114

Incident Energy (MeV)

54-Xe-116



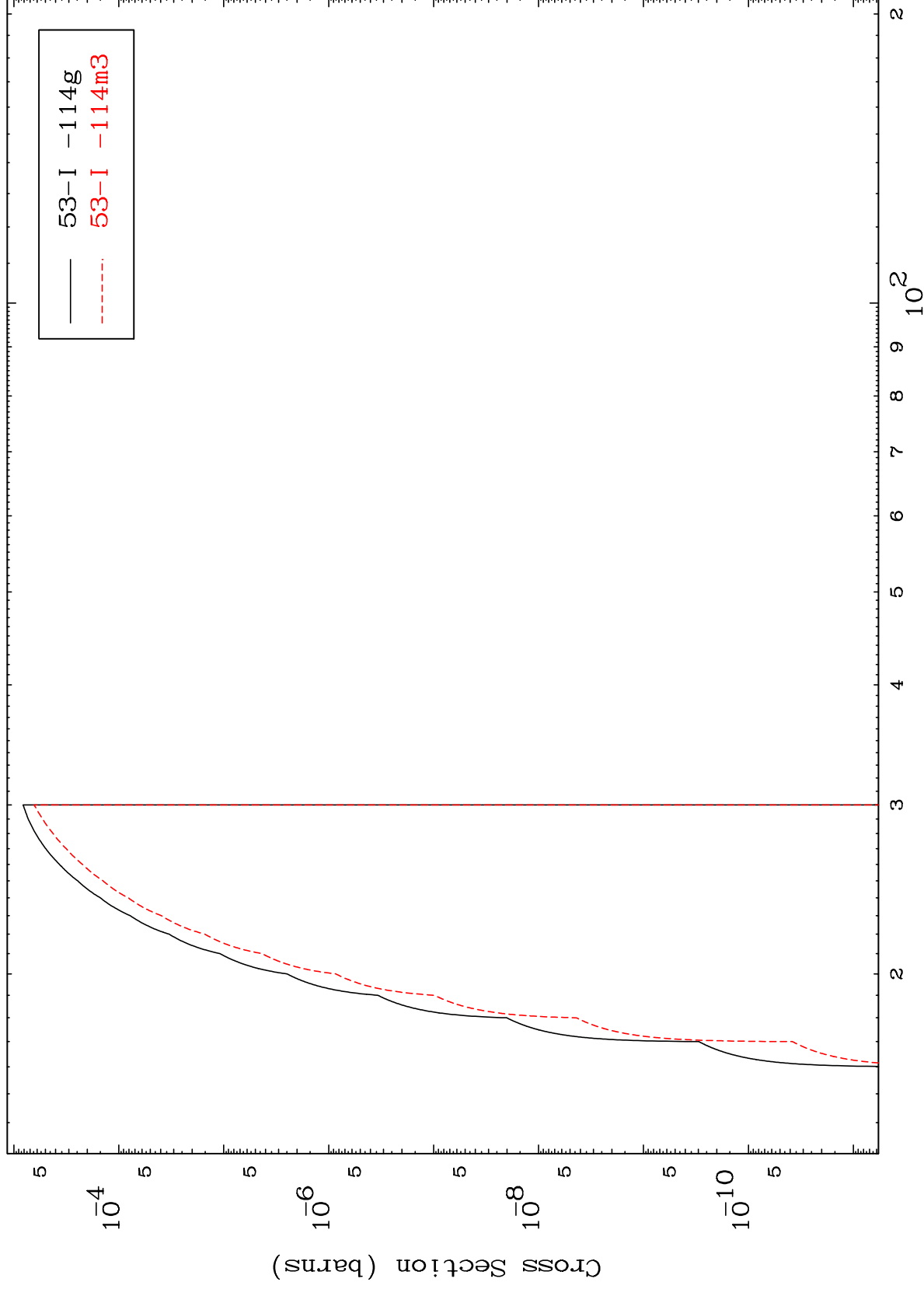


MAT 5401

(n,n') d

54-Xe-116

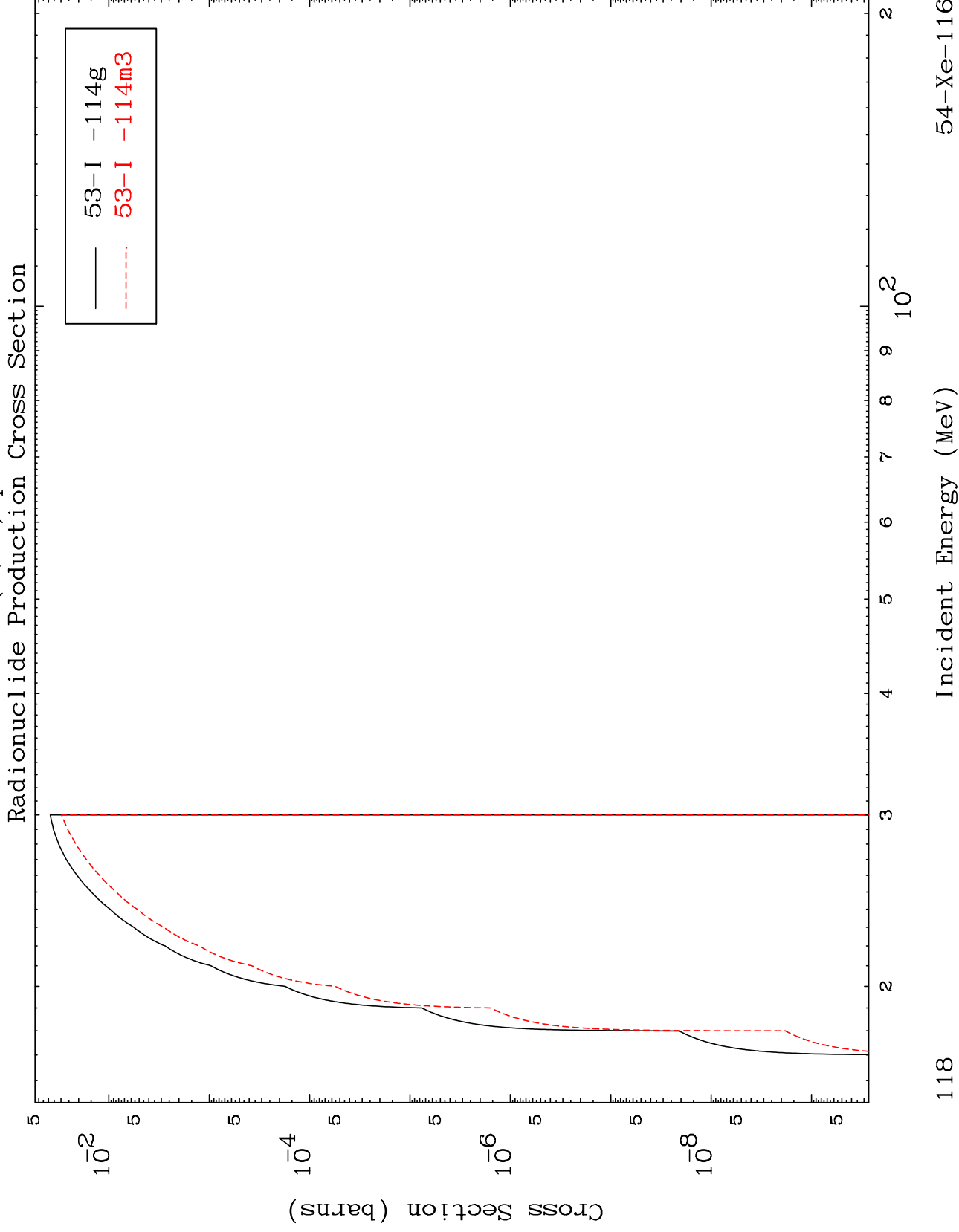
Radionuclide Production Cross Section



117

Incident Energy (MeV)

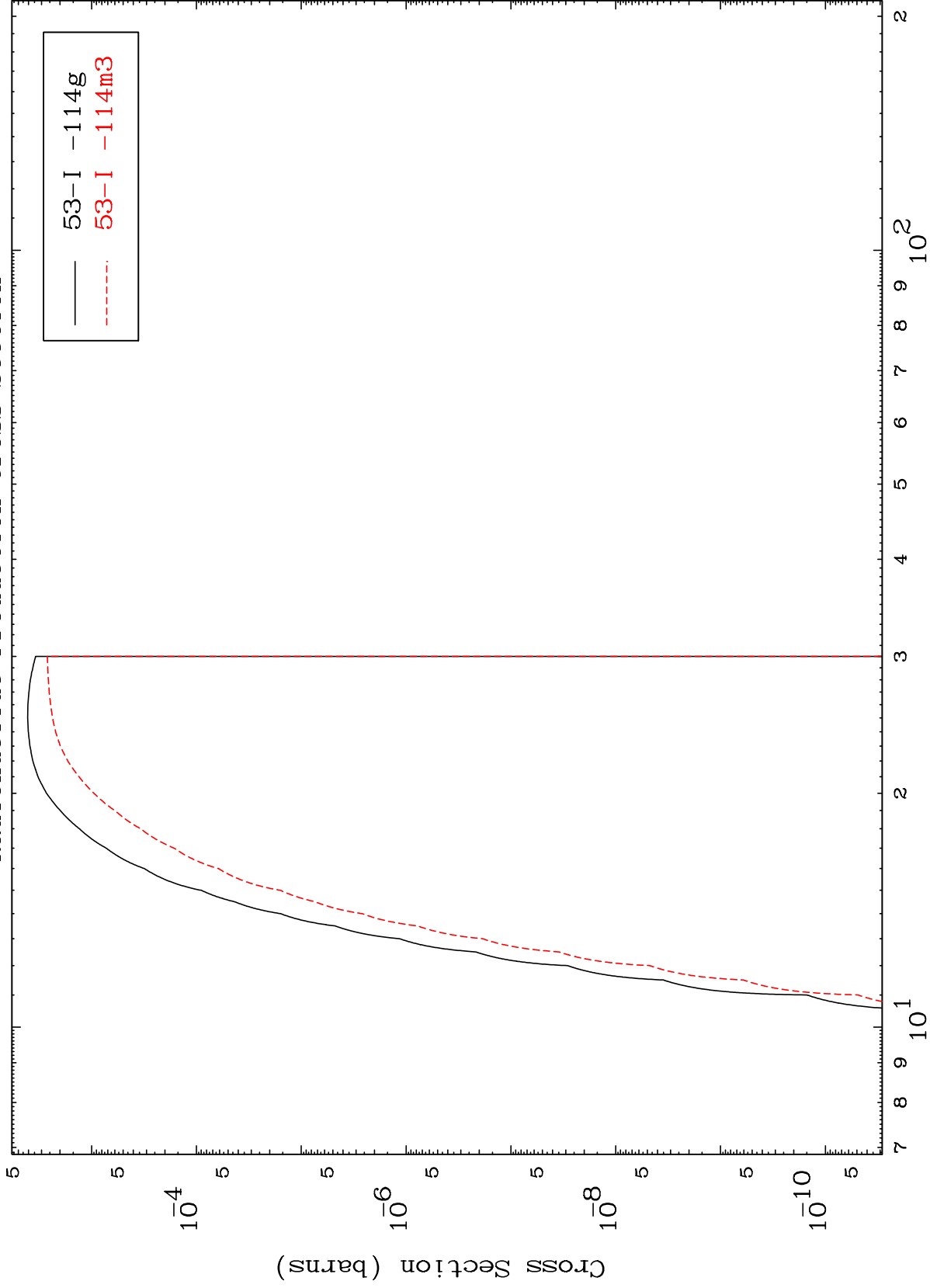
54-Xe-116



MAT 5401

54-Xe-116

(n, t)
Radionuclide Production Cross Section



53-I -114g
53-I -114m3

119

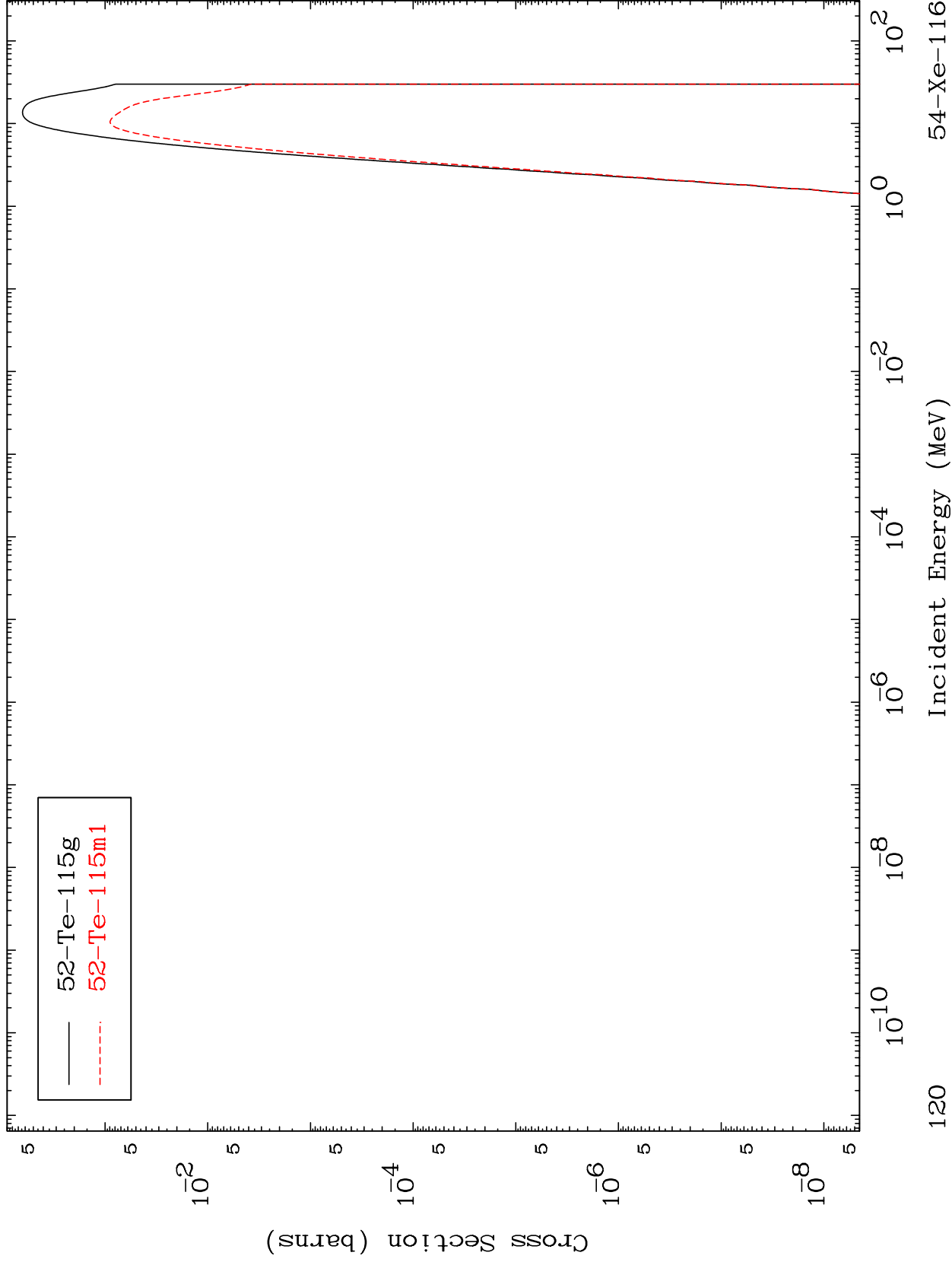
Incident Energy (MeV)

54-Xe-116

MAT 5401

54-Xe-116

(n,2p)
Radionuclide Production Cross Section



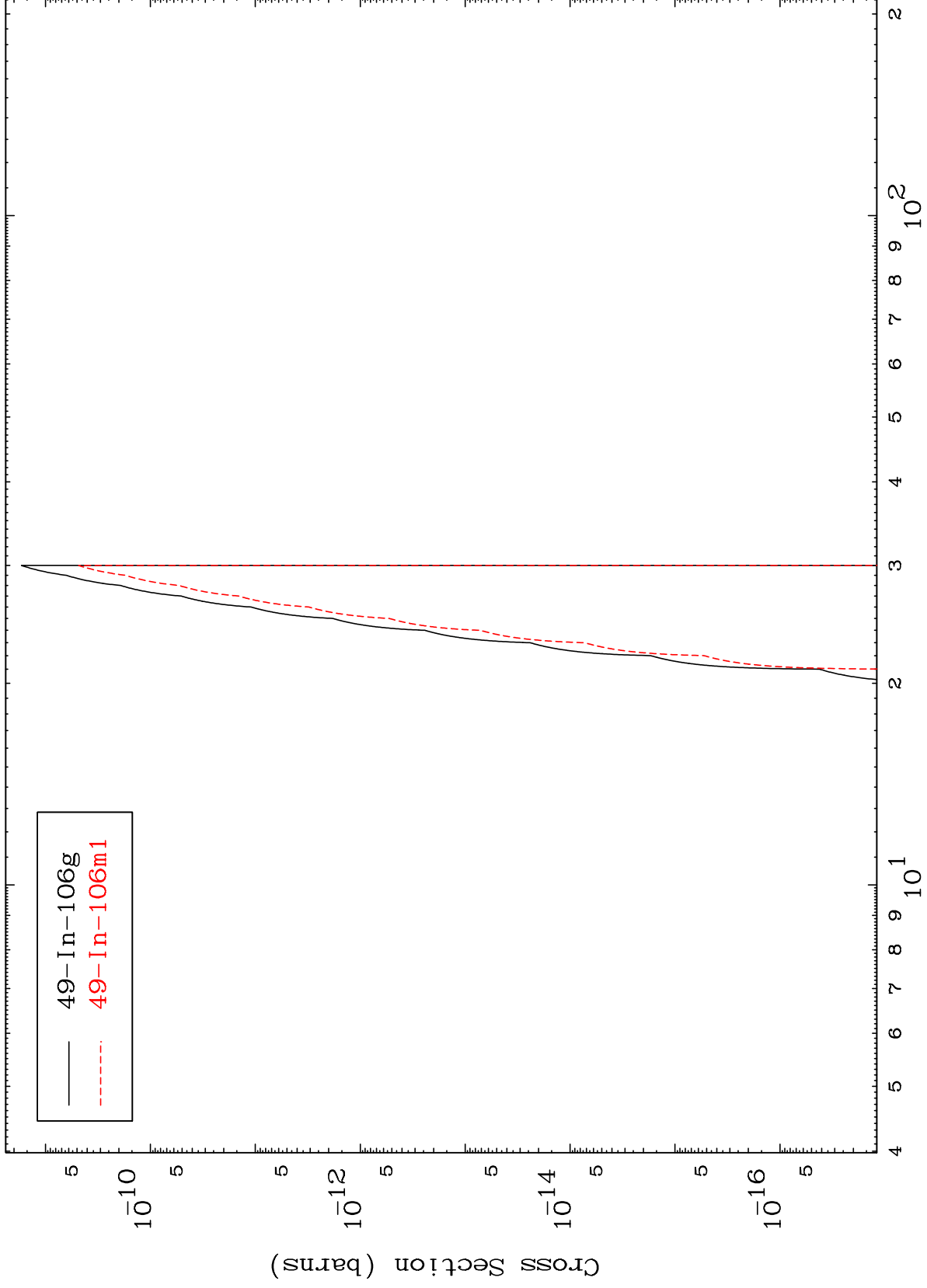
120

MAT 5401

(n,t) 2 α

54-Xe-116

Radionuclide Production Cross Section



121

Incident Energy (MeV)

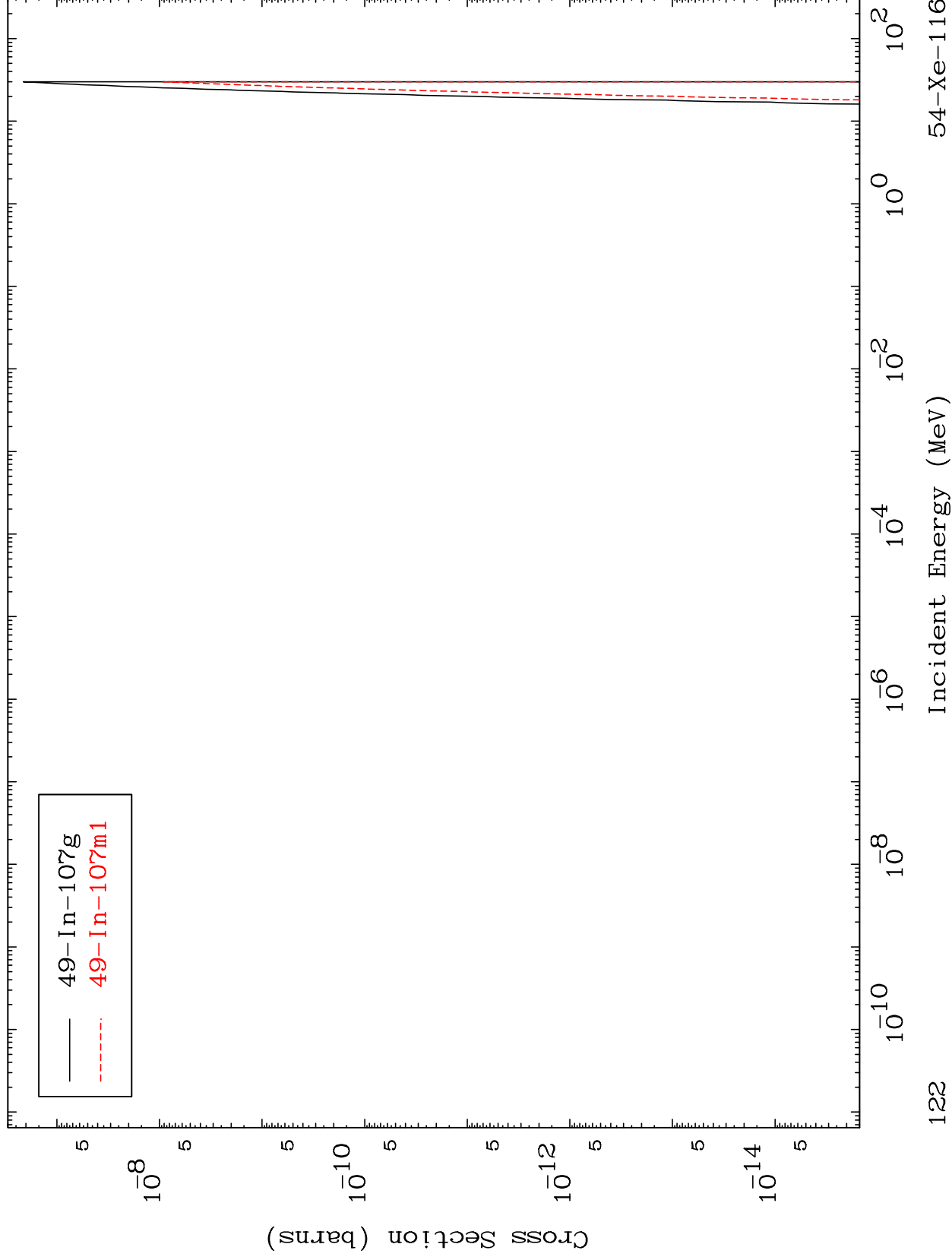
54-Xe-116

MAT 5401

(n,d) 2 α

54-Xe-116

Radionuclide Production Cross Section



122

54-Xe-116