

Program EVALPLOT  
(Version 2015-2)

by

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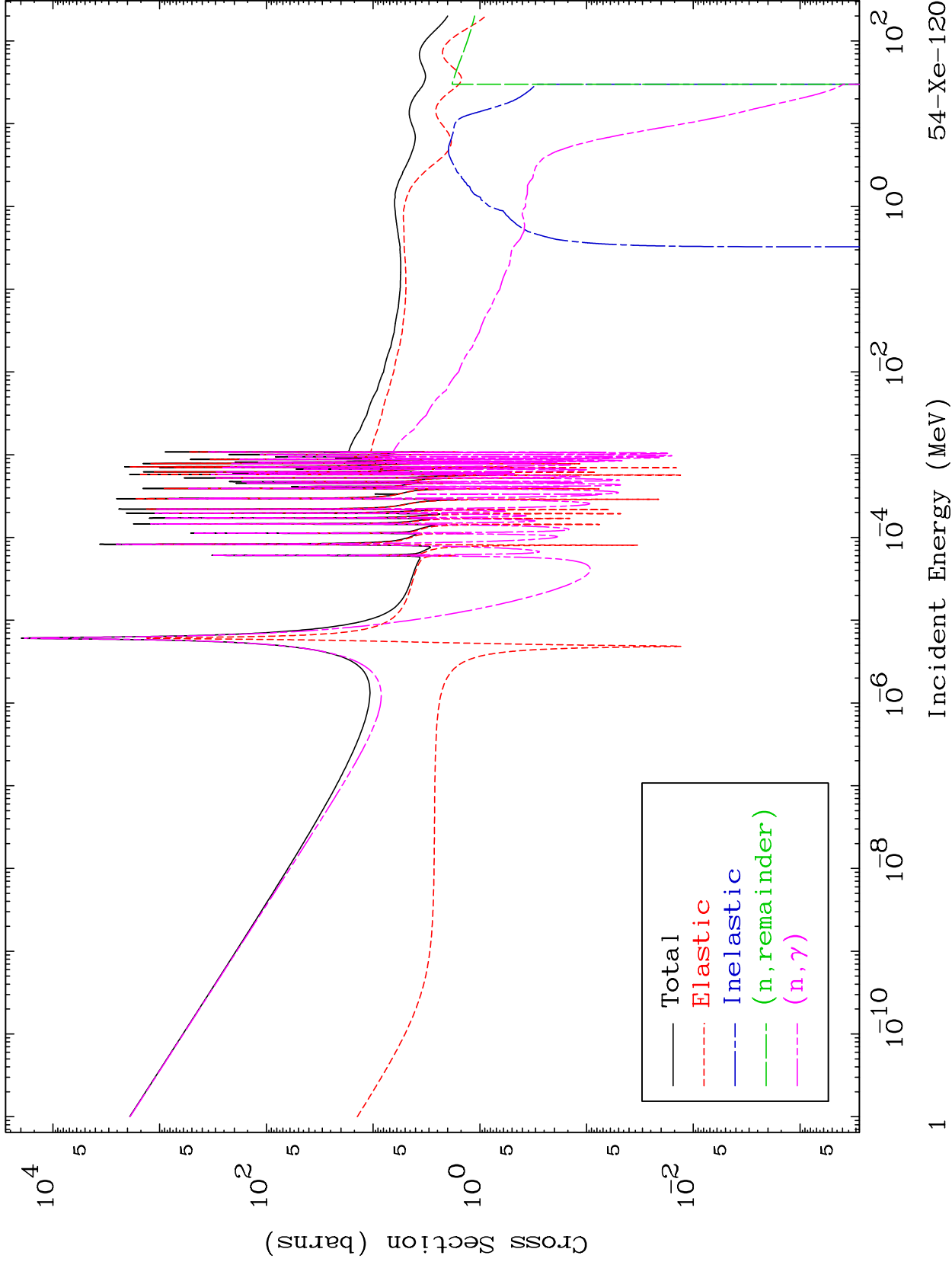
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5413

Major  
293 Kelvin Cross Sections

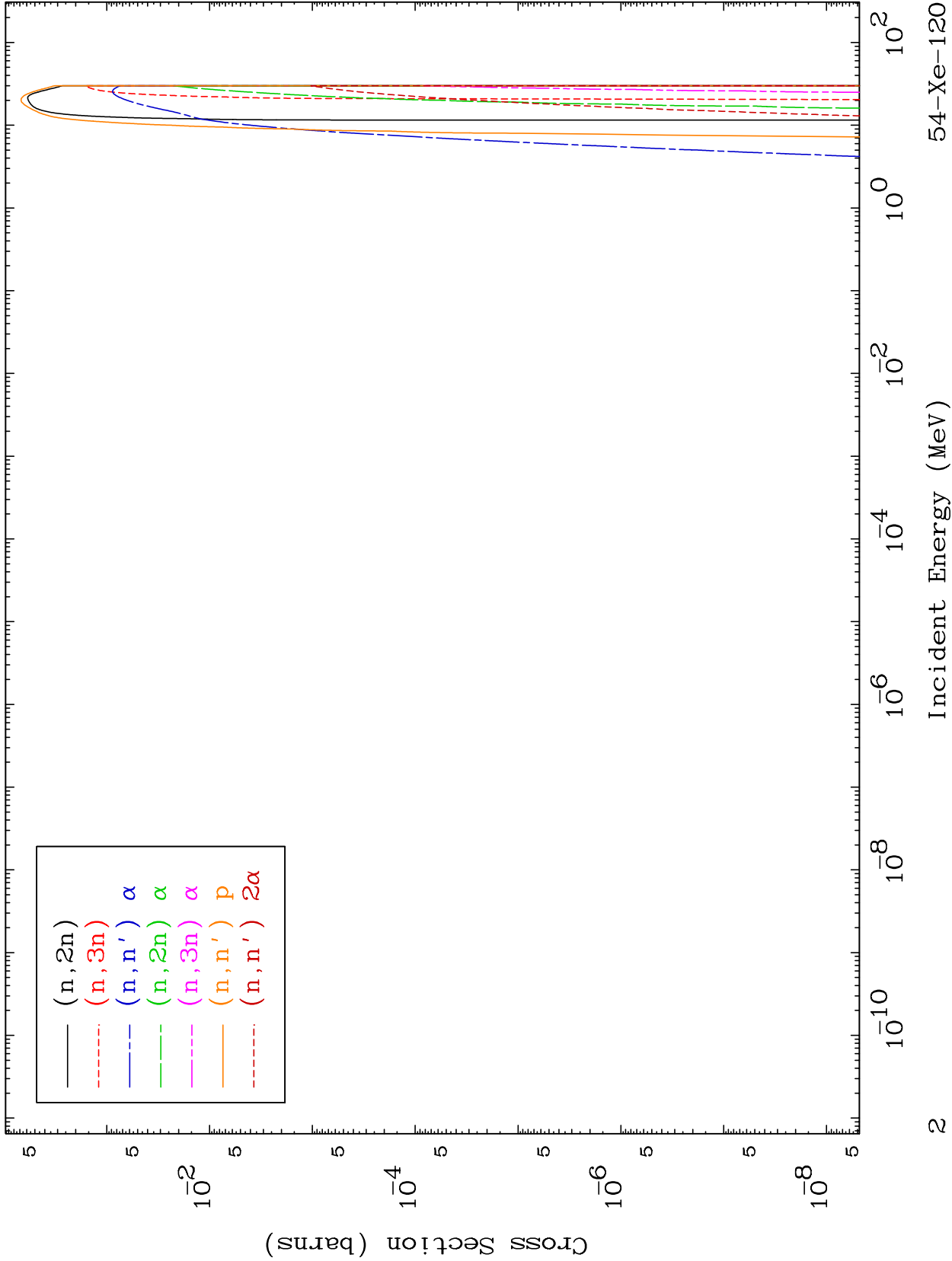
54-Xe-120



MAT 5413

Neutron Production  
293 Kelvin Cross Sections

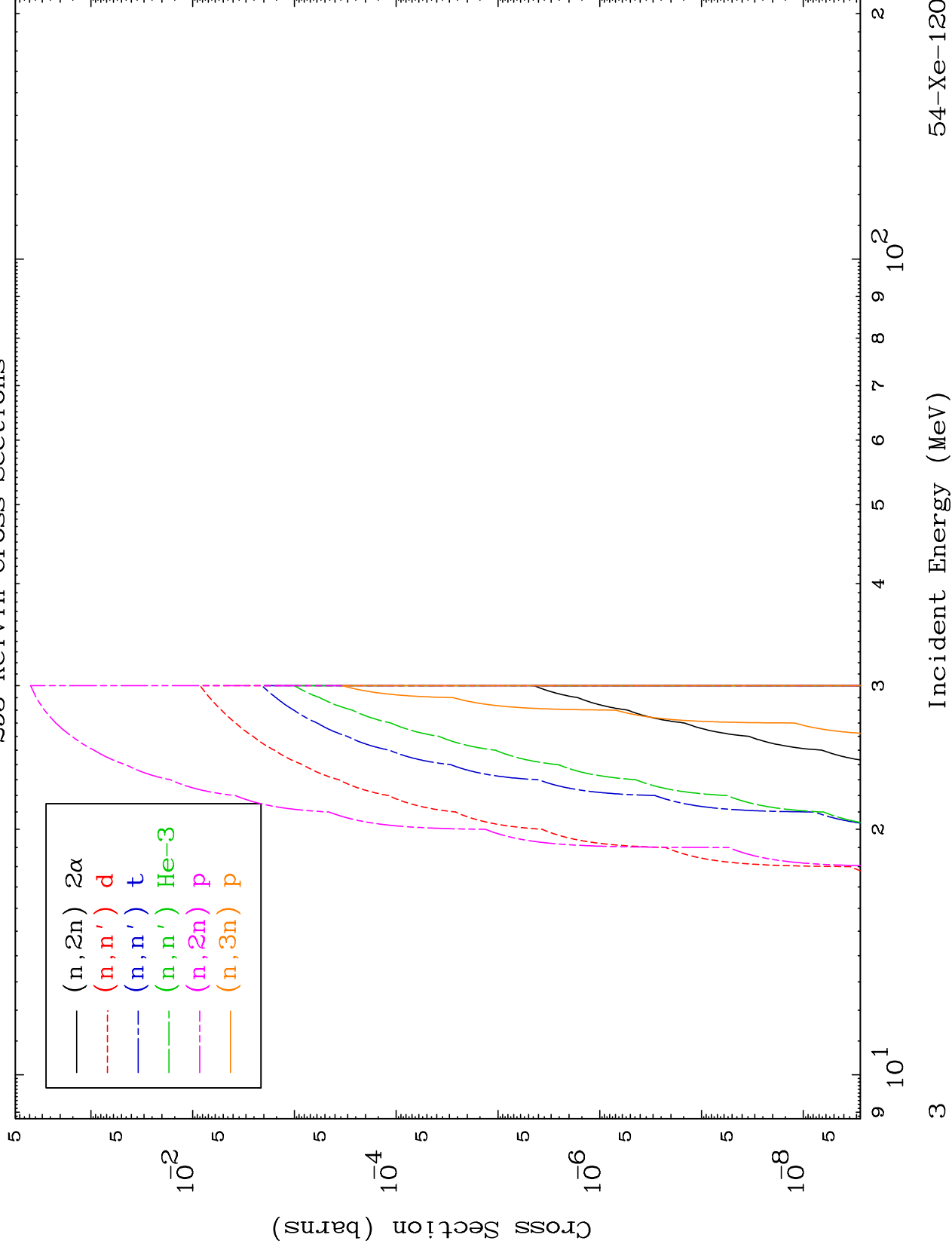
54-Xe-120



MAT 5413

Neutron Production  
293 Kelvin Cross Sections

54-Xe-120



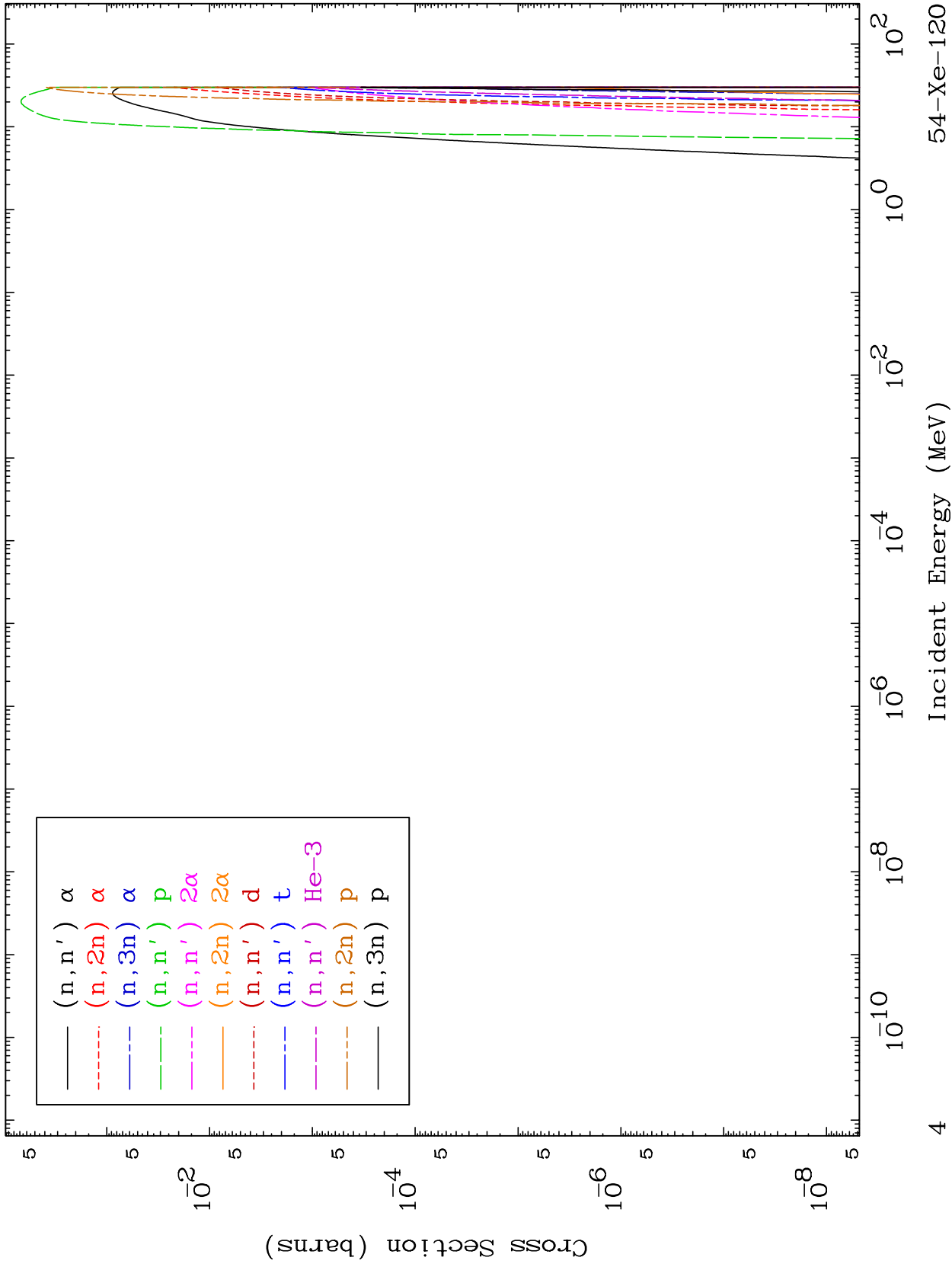
54-Xe-120

Incident Energy (MeV)

MAT 5413

Charged Particle  
293 Kelvin Cross Sections

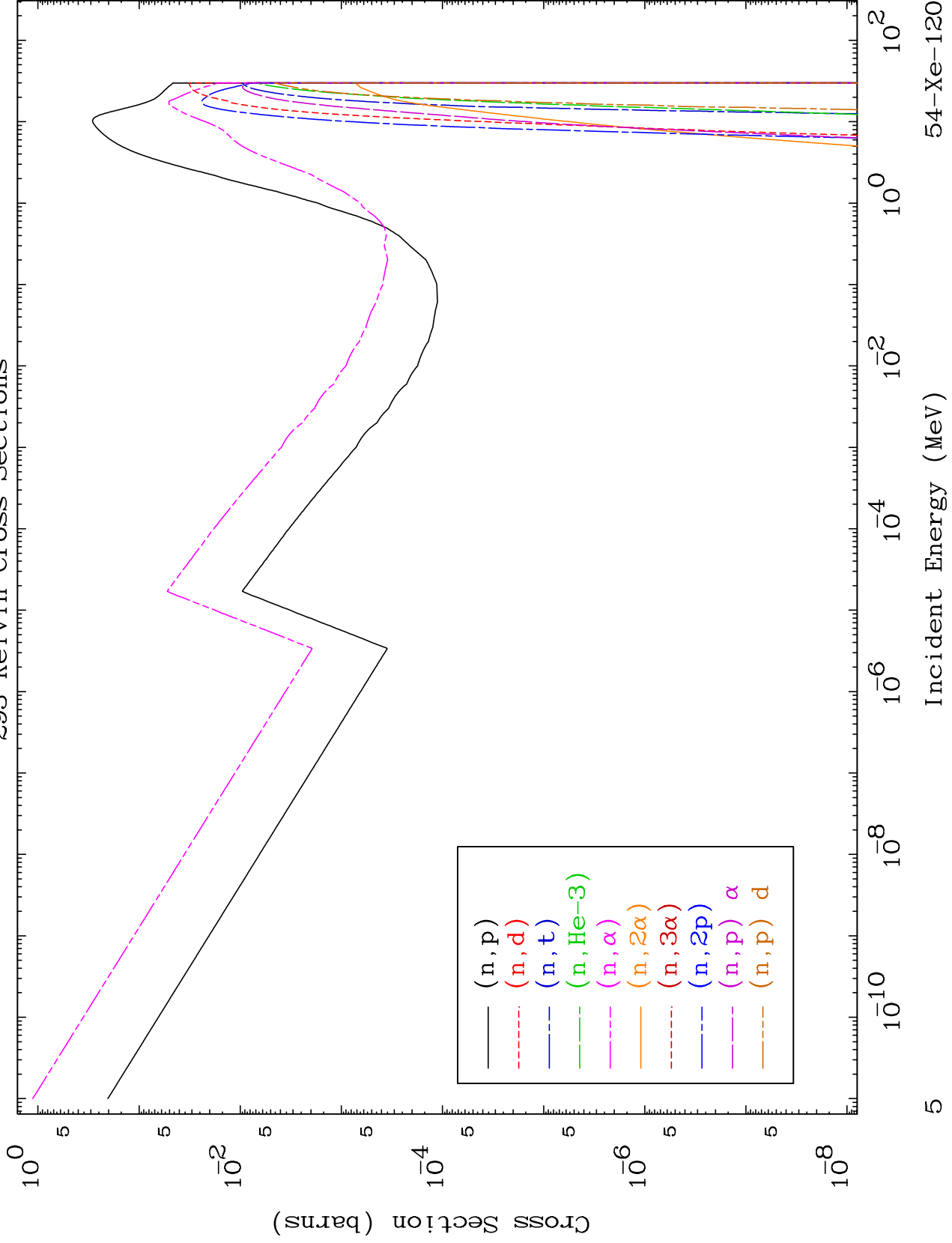
54-Xe-120



MAT 5413

Charged Particle  
293 Kelvin Cross Sections

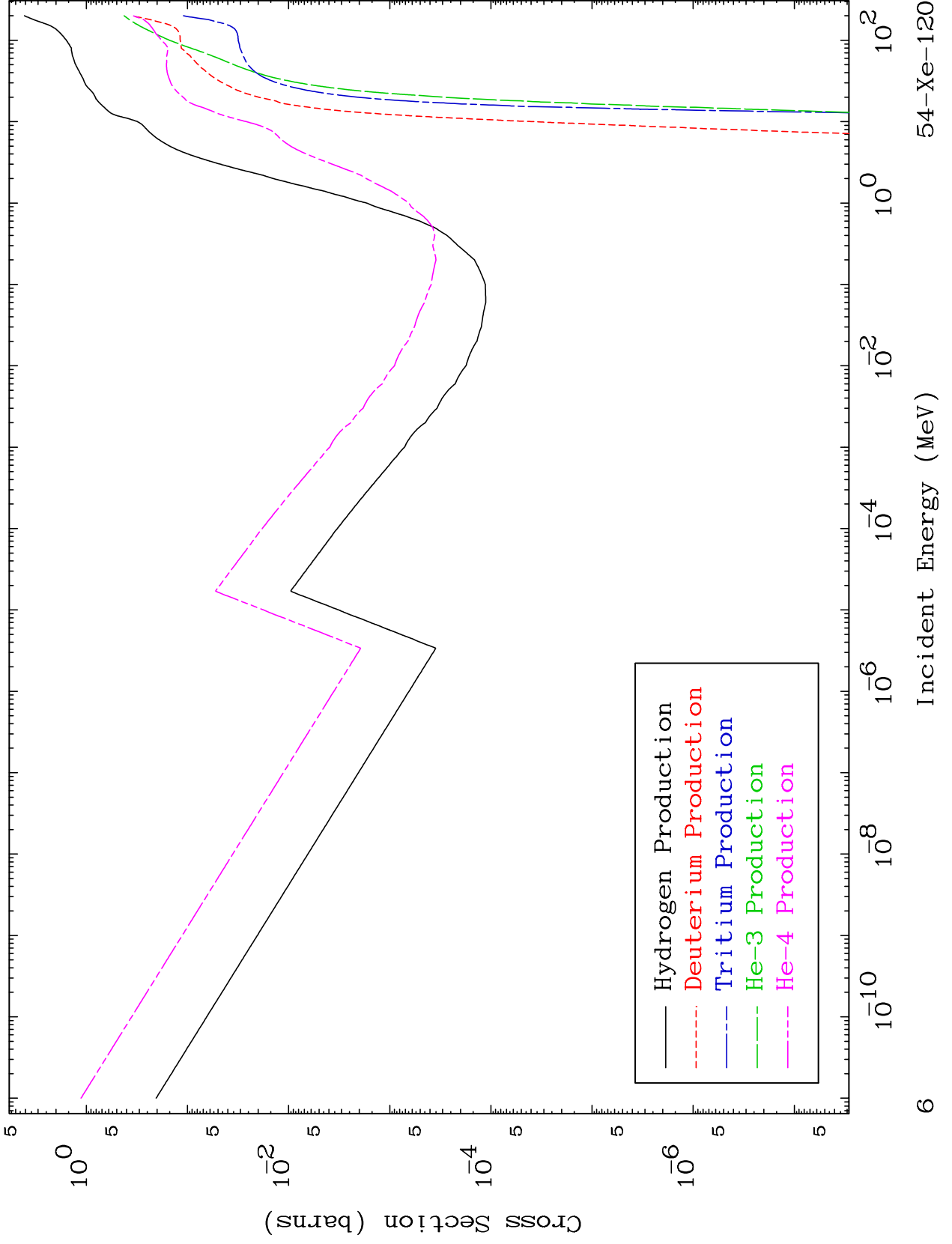
54-Xe-120



MAT 5413

Particle Production  
293 Kelvin Cross Sections

54-Xe-120

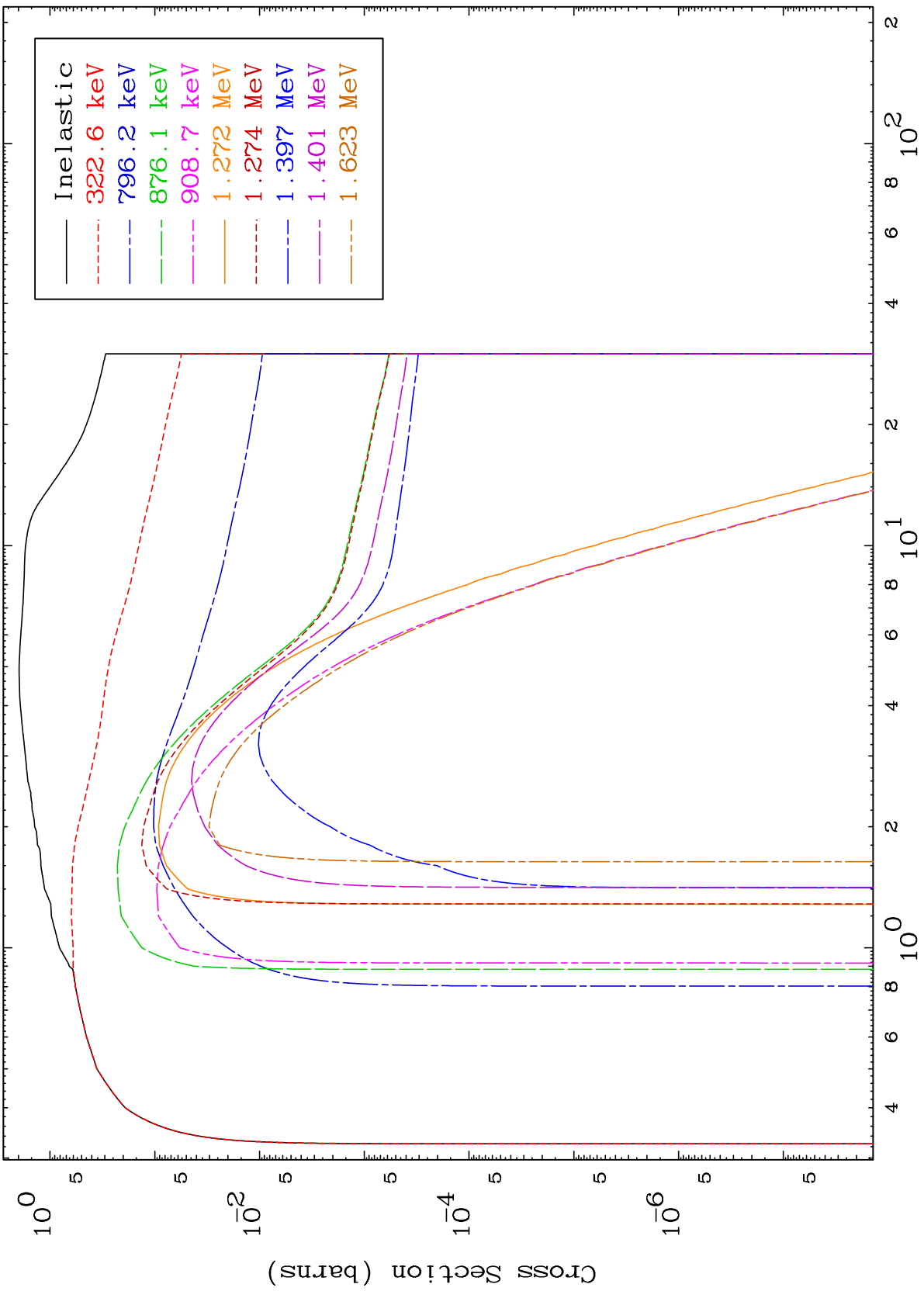


MAT 5413

(n,n') Level

54-Xe-120

293 Kelvin Cross Sections

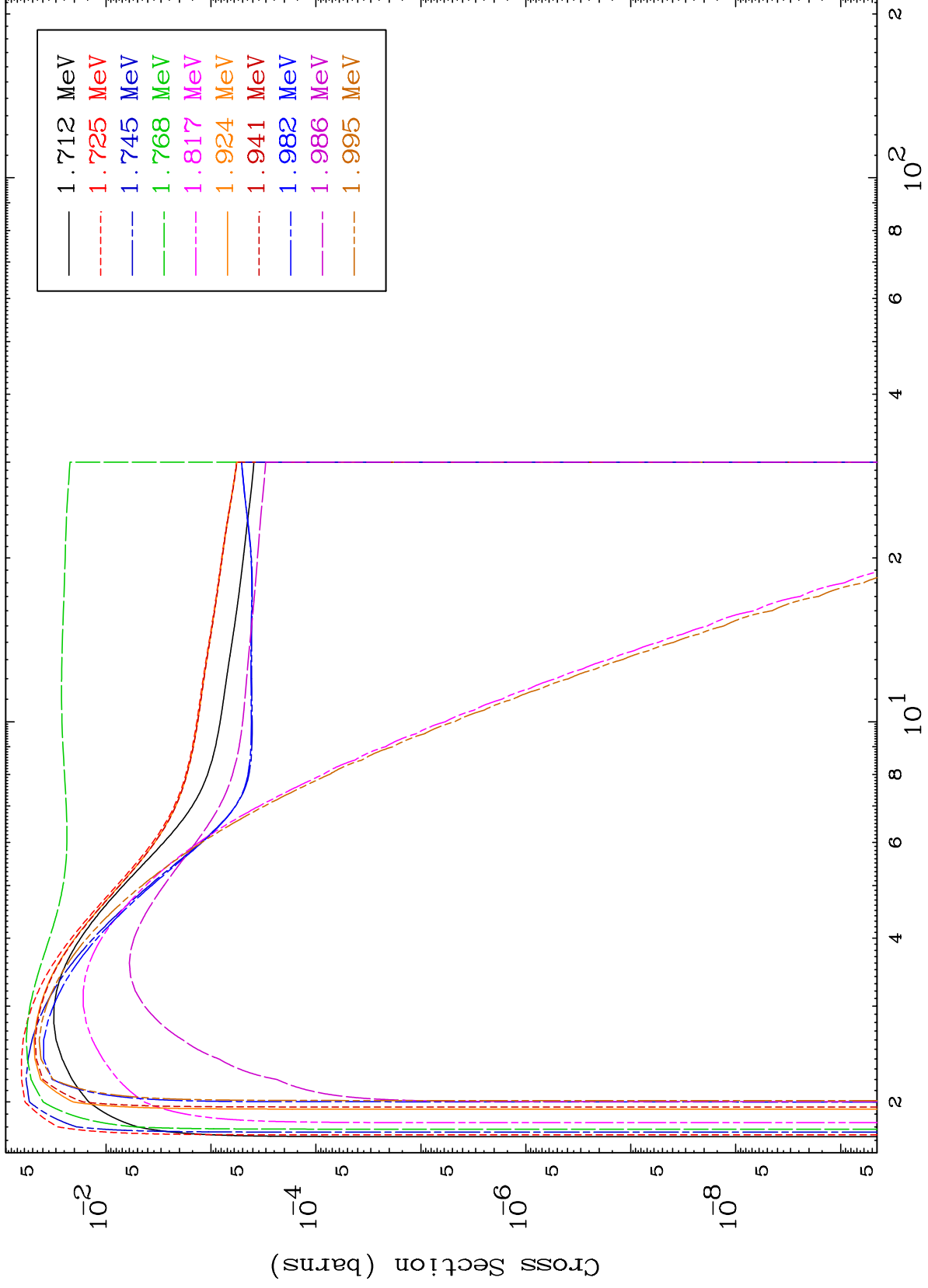




MAT 5413

(n,n') Level  
293 Kelvin Cross Sections

54-Xe-120



8

Incident Energy (MeV)

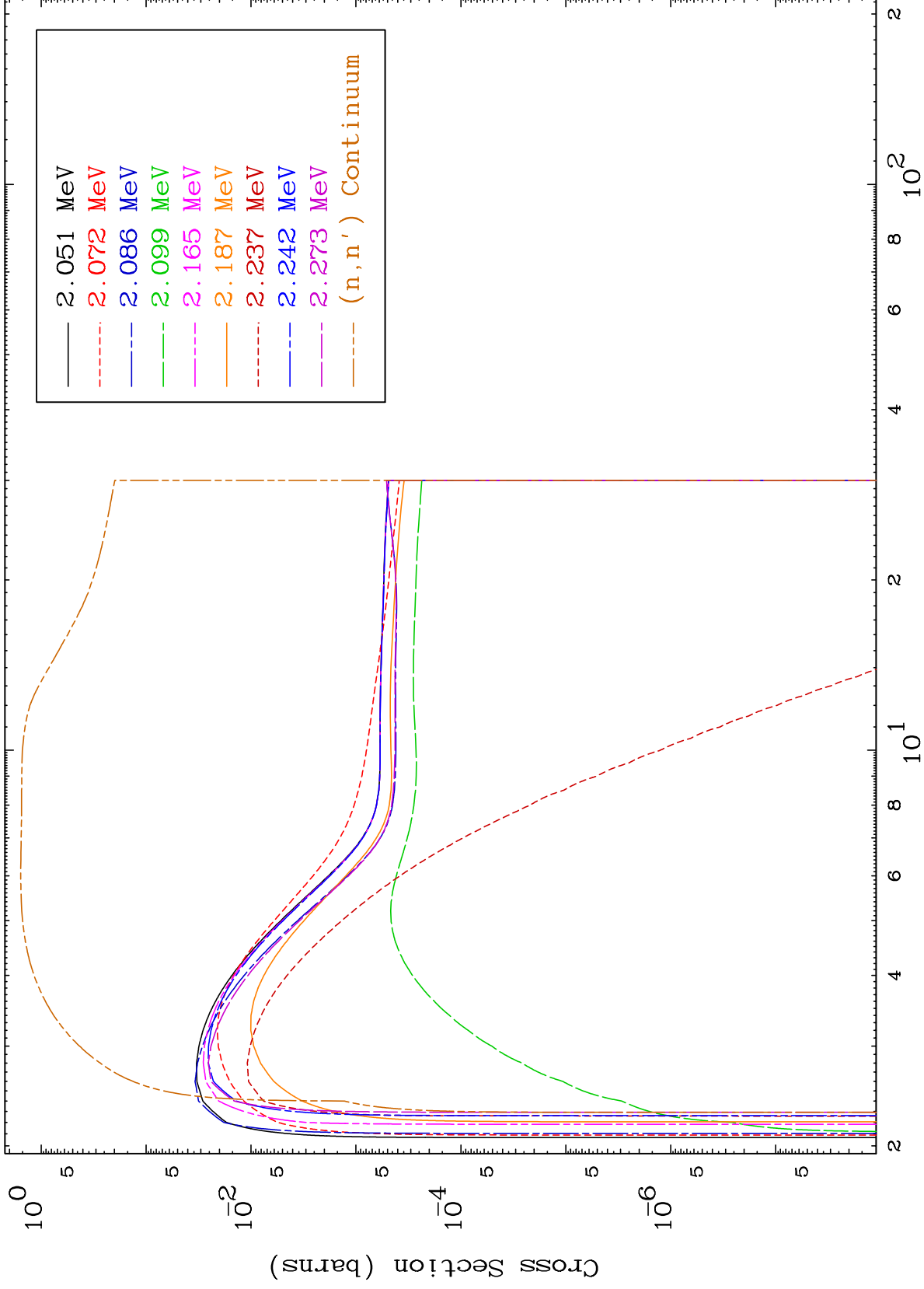
54-Xe-120

MAT 5413

(n,n') Level

54-Xe-120

293 Kelvin Cross Sections



9

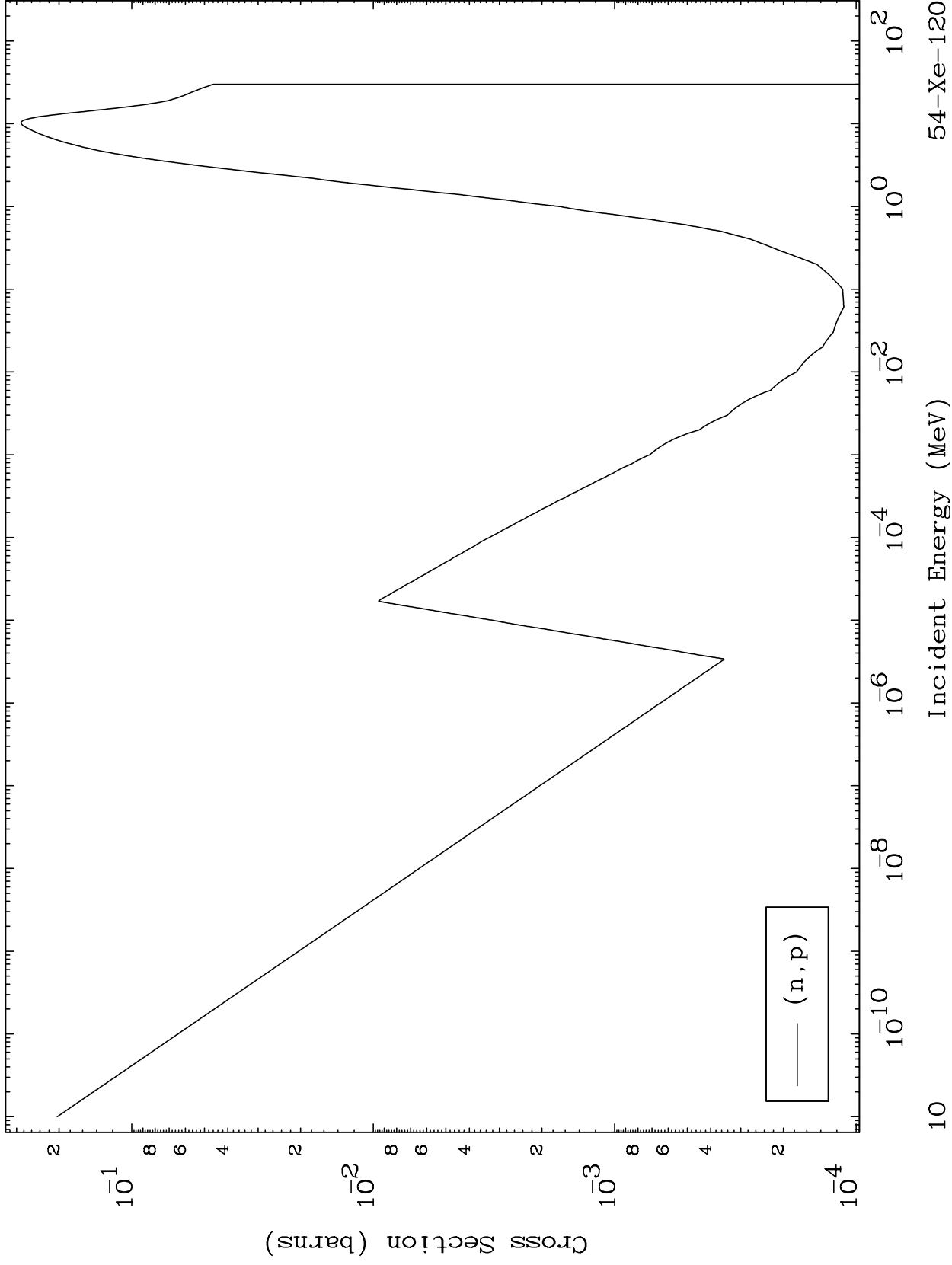
Incident Energy (MeV)

54-Xe-120

MAT 5413

(n,p) Levels  
293 Kelvin Cross Sections

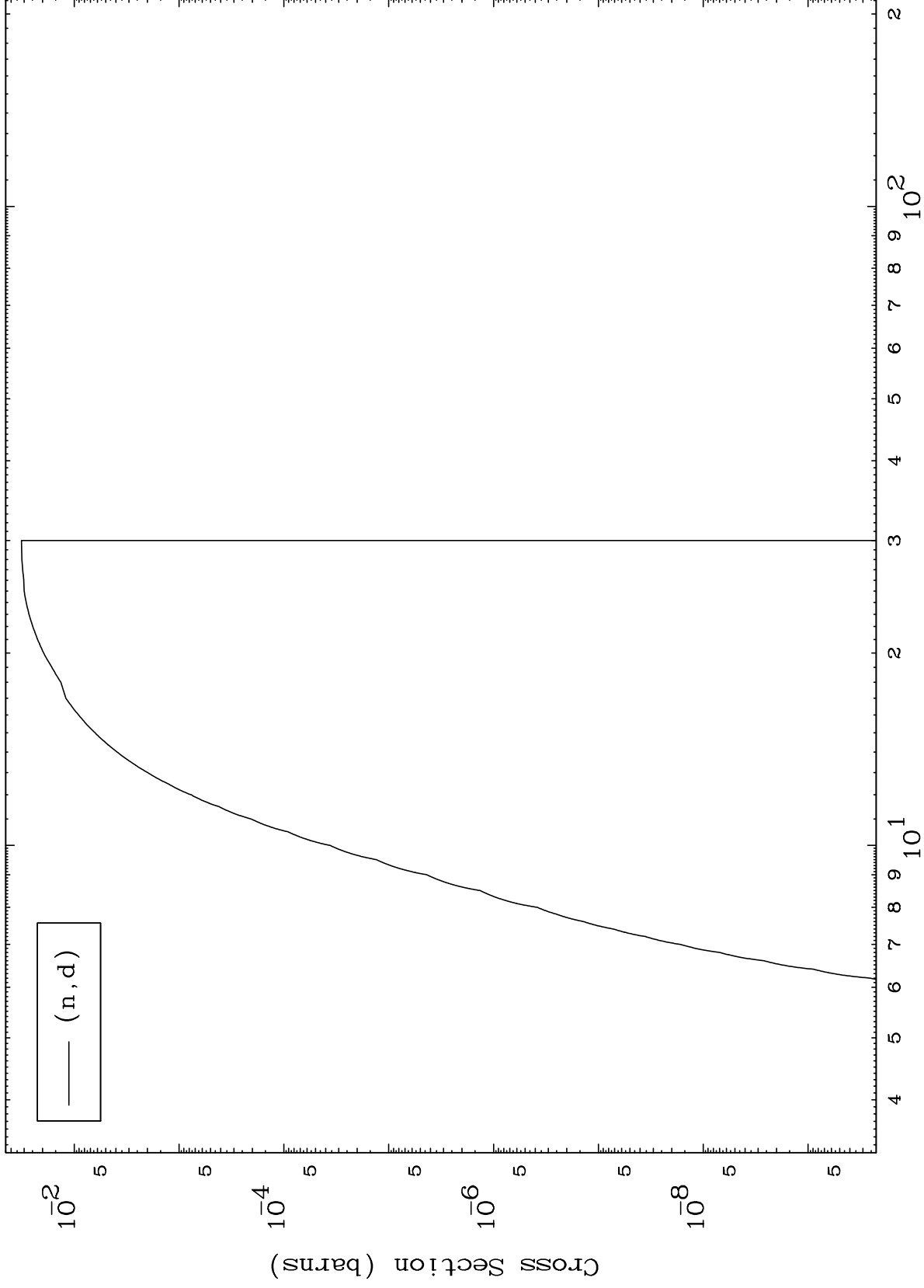
54-Xe-120



MAT 5413

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-120



11

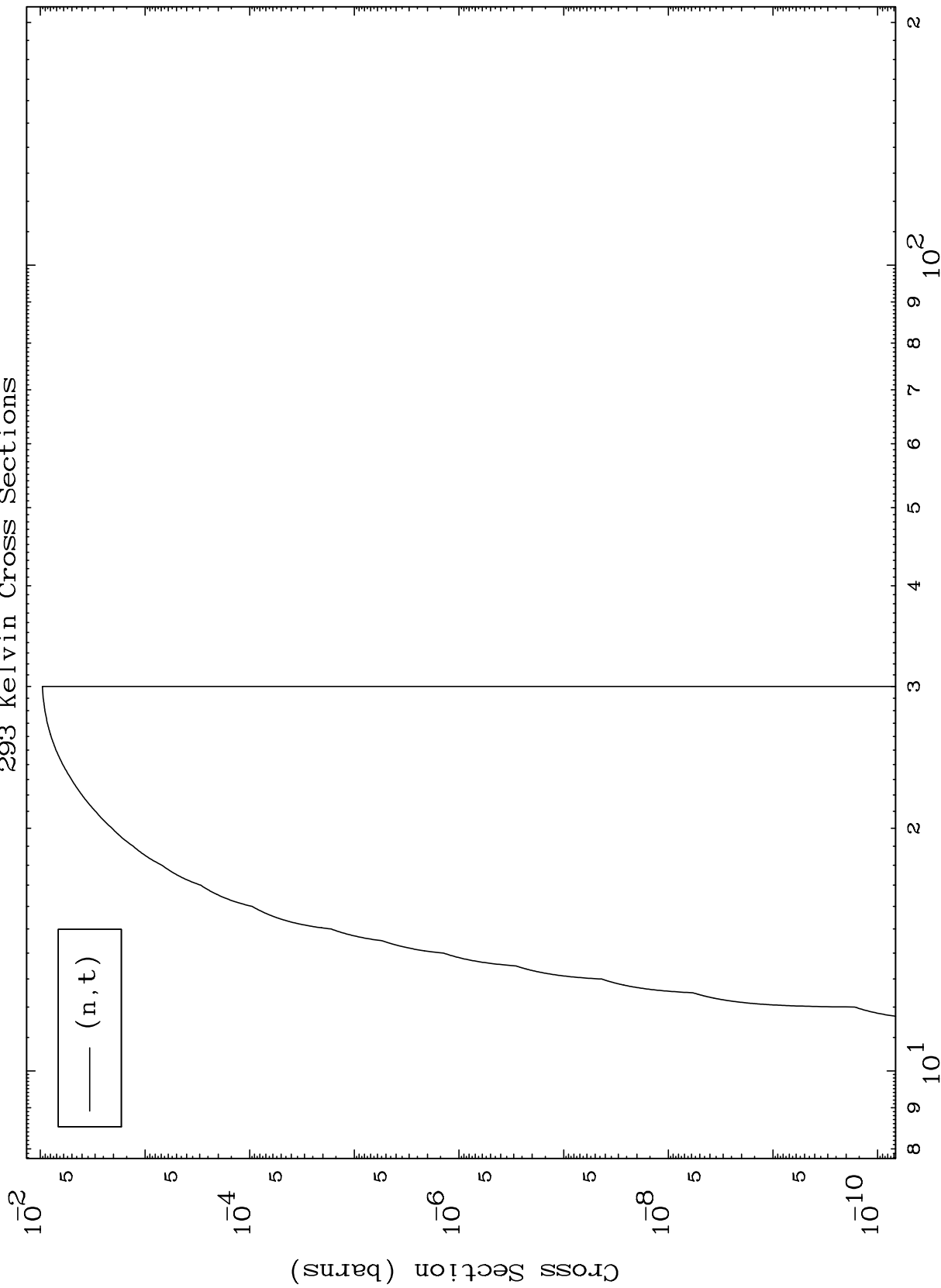
Incident Energy (MeV)

54-Xe-120

MAT 5413

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-120



12

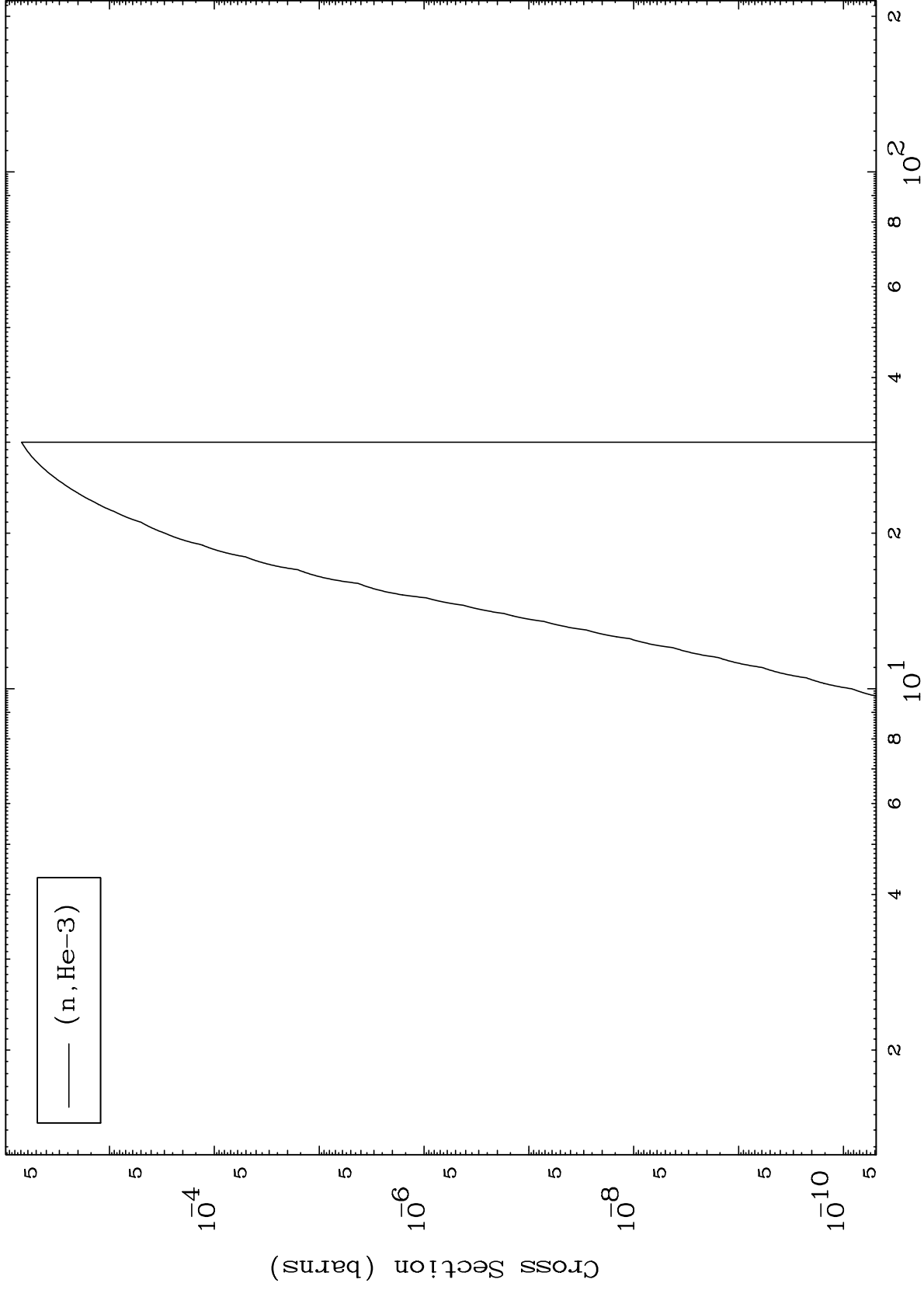
Incident Energy (MeV)

54-Xe-120

MAT 5413

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-120



13

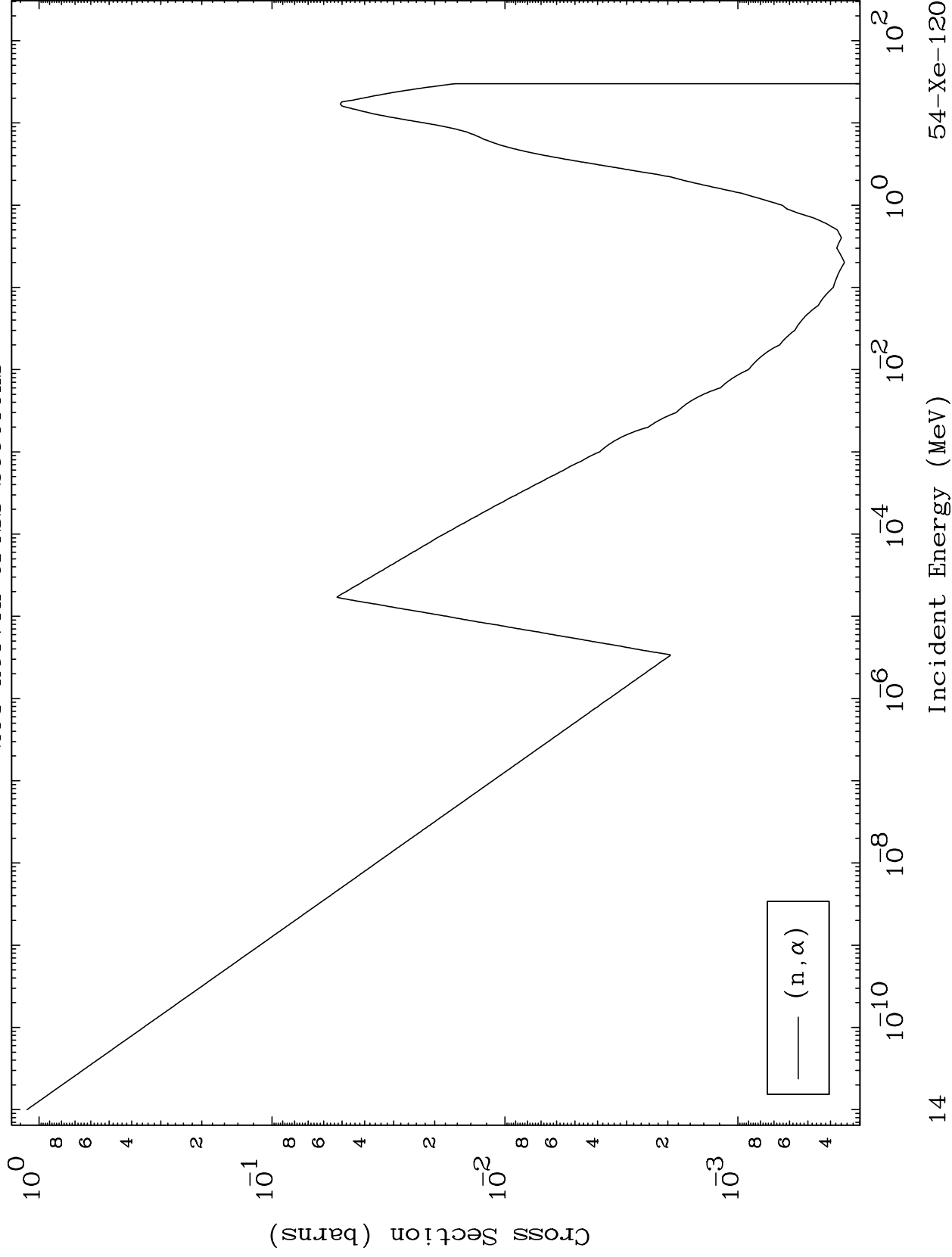
Incident Energy (MeV)

54-Xe-120

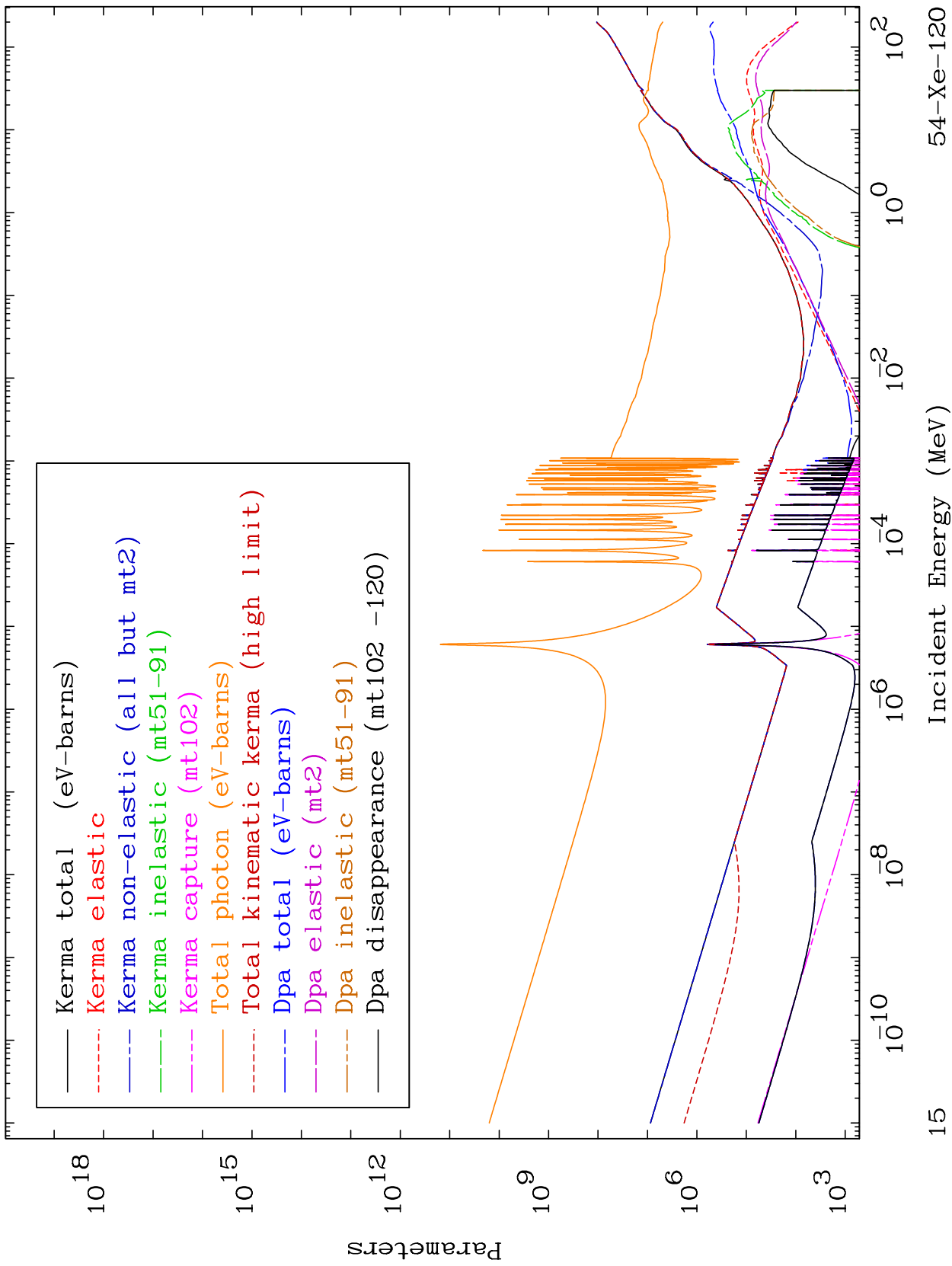
MAT 5413

(n,α) Levels  
293 Kelvin Cross Sections

54-Xe-120



14

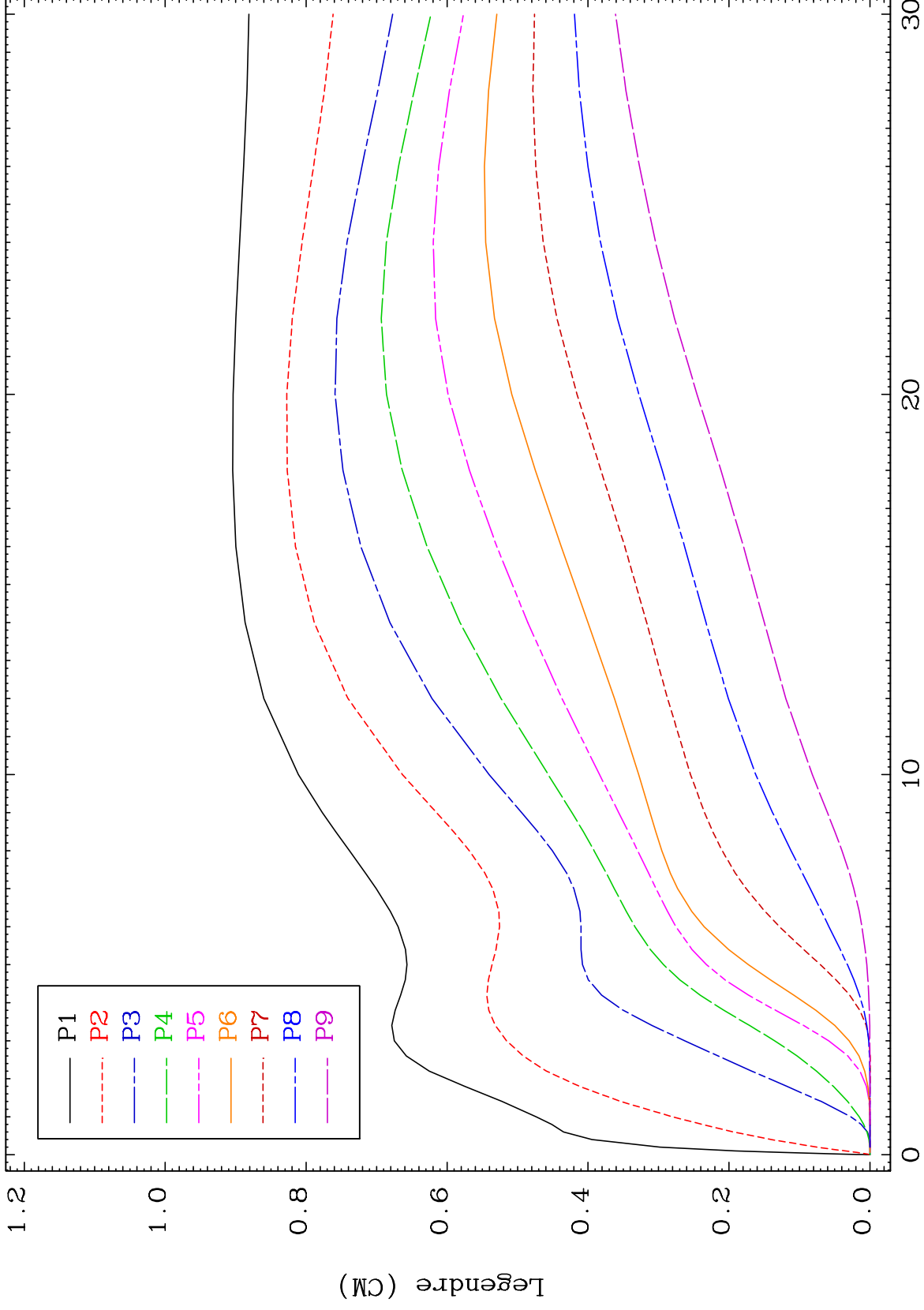




MAT 5413

Elastic Legendre Coefficients

54-Xe-120



16

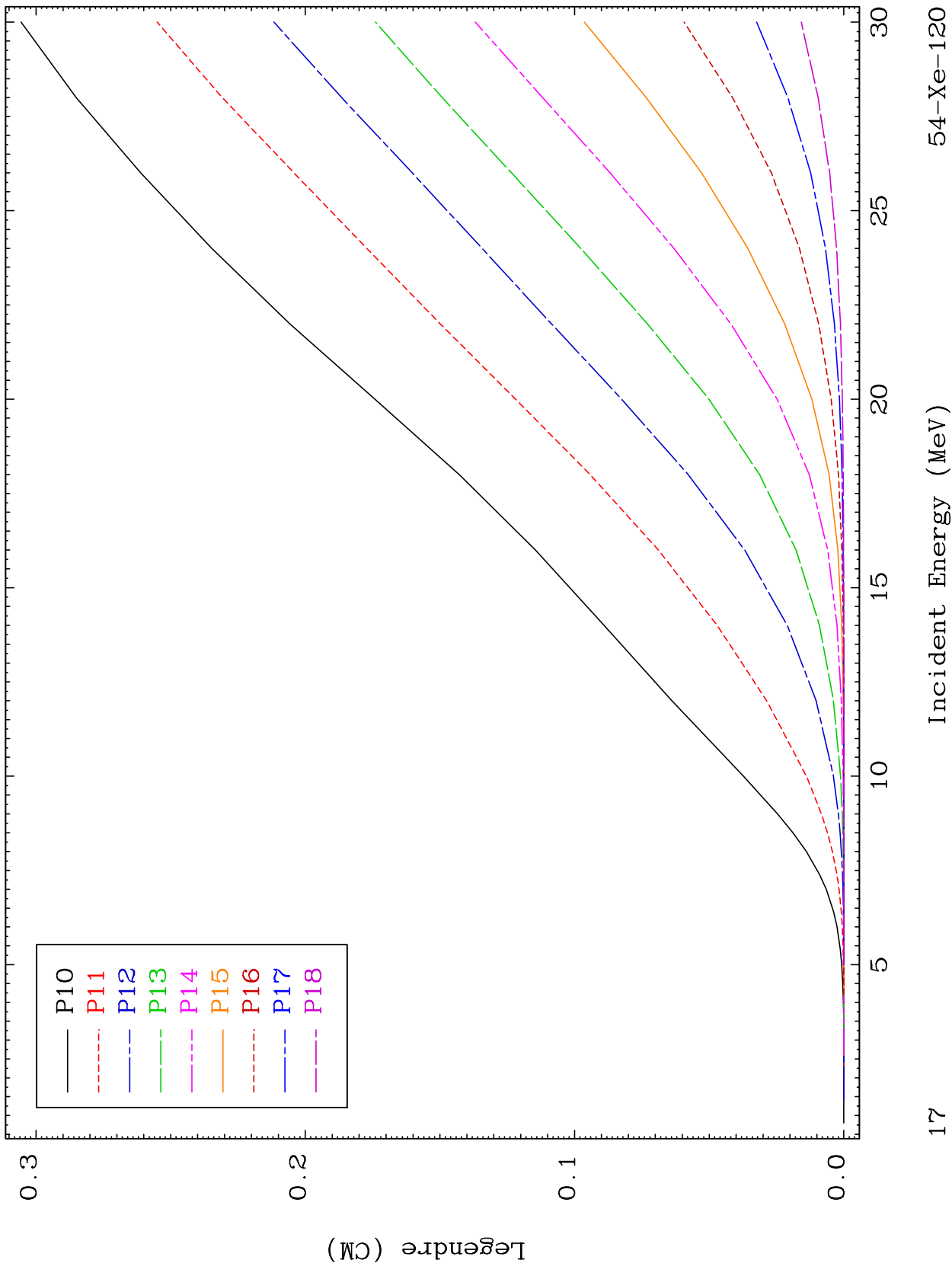
Incident Energy (MeV)

54-Xe-120

MAT 5413

Elastic Legendre Coefficients

54-Xe-120



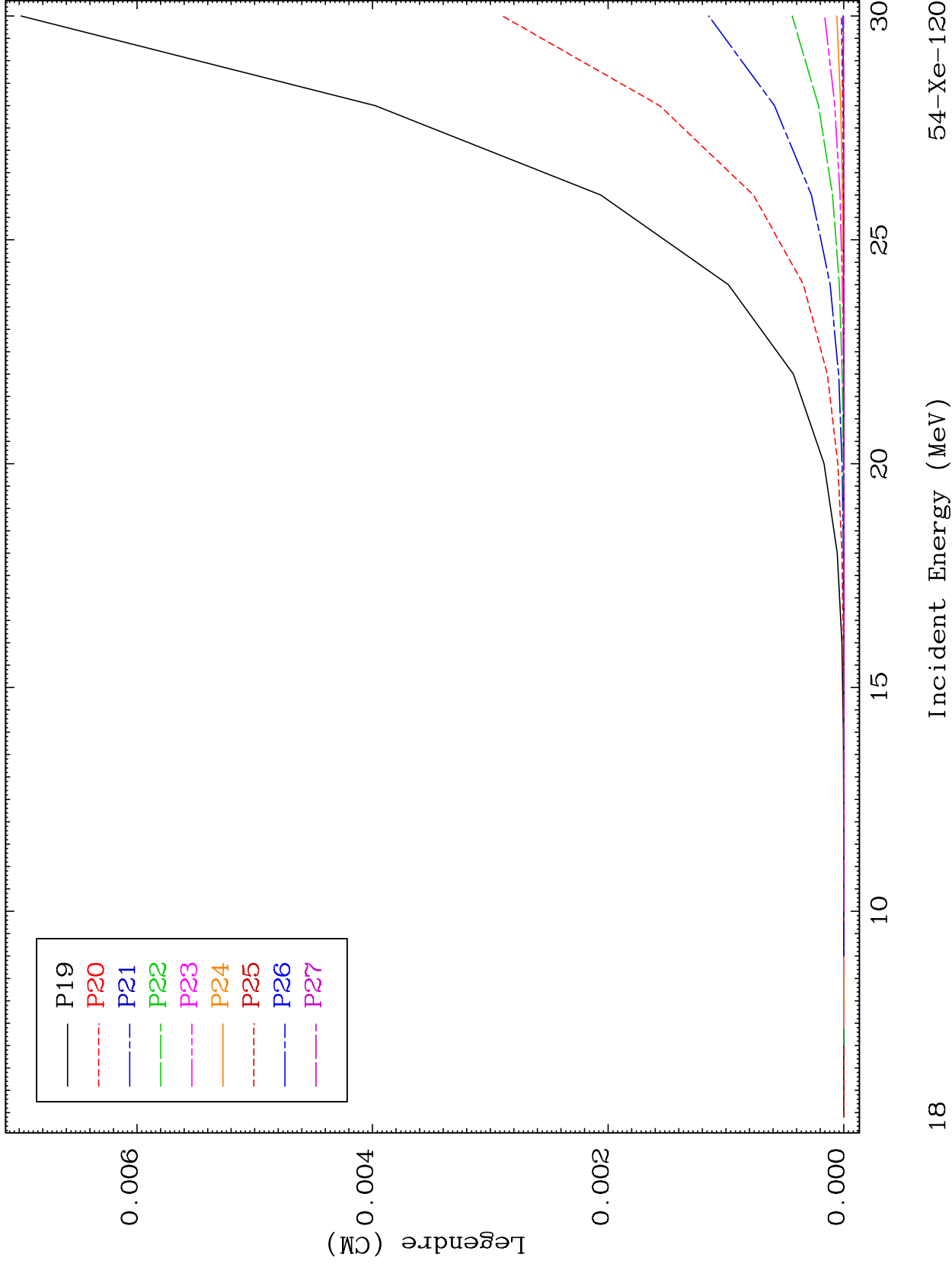
17

54-Xe-120

MAT 5413

### Elastic Legendre Coefficients

54-Xe-120



18

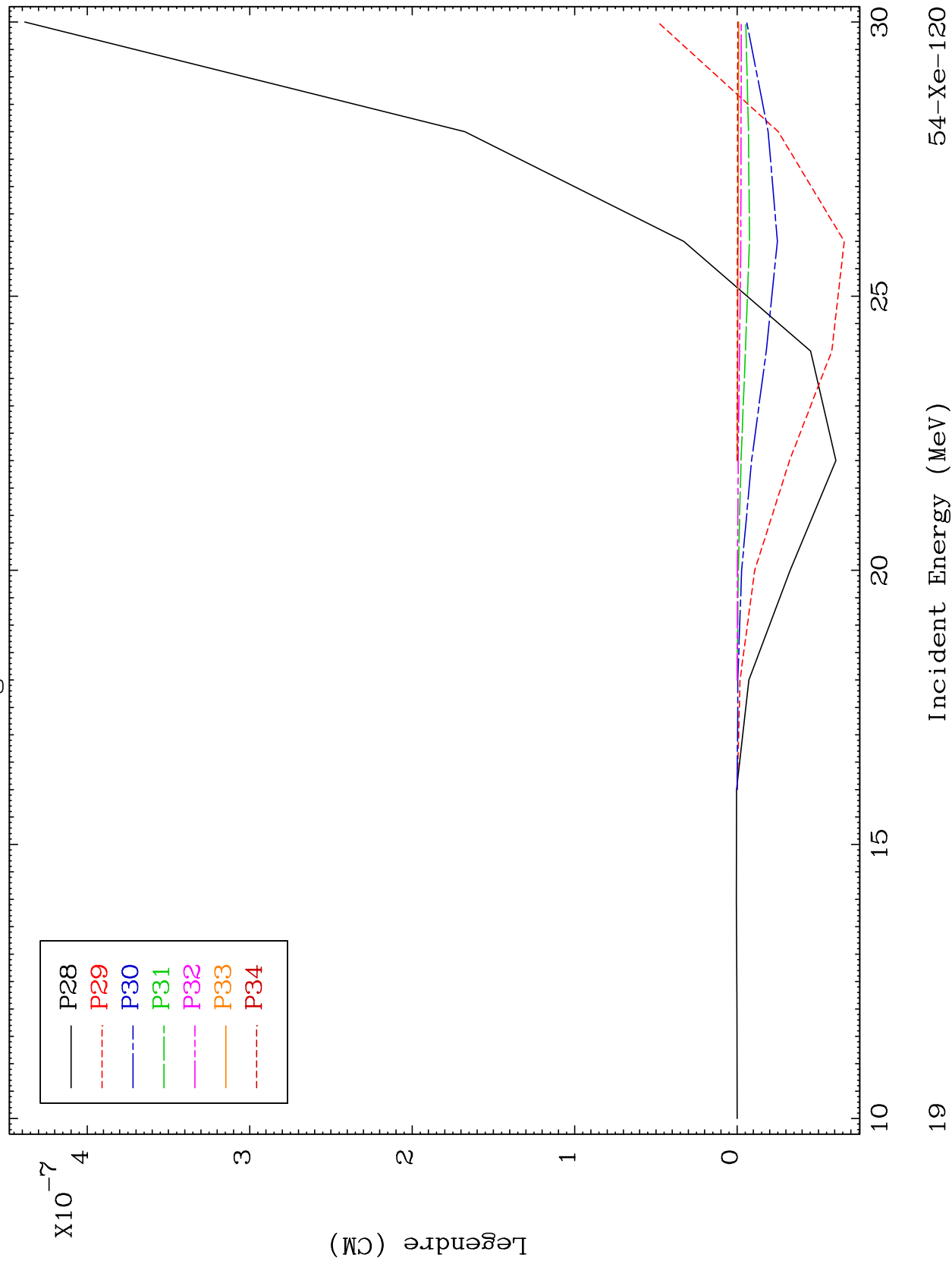
Incident Energy (MeV)

54-Xe-120

MAT 5413

Elastic Legendre Coefficients

54-Xe-120

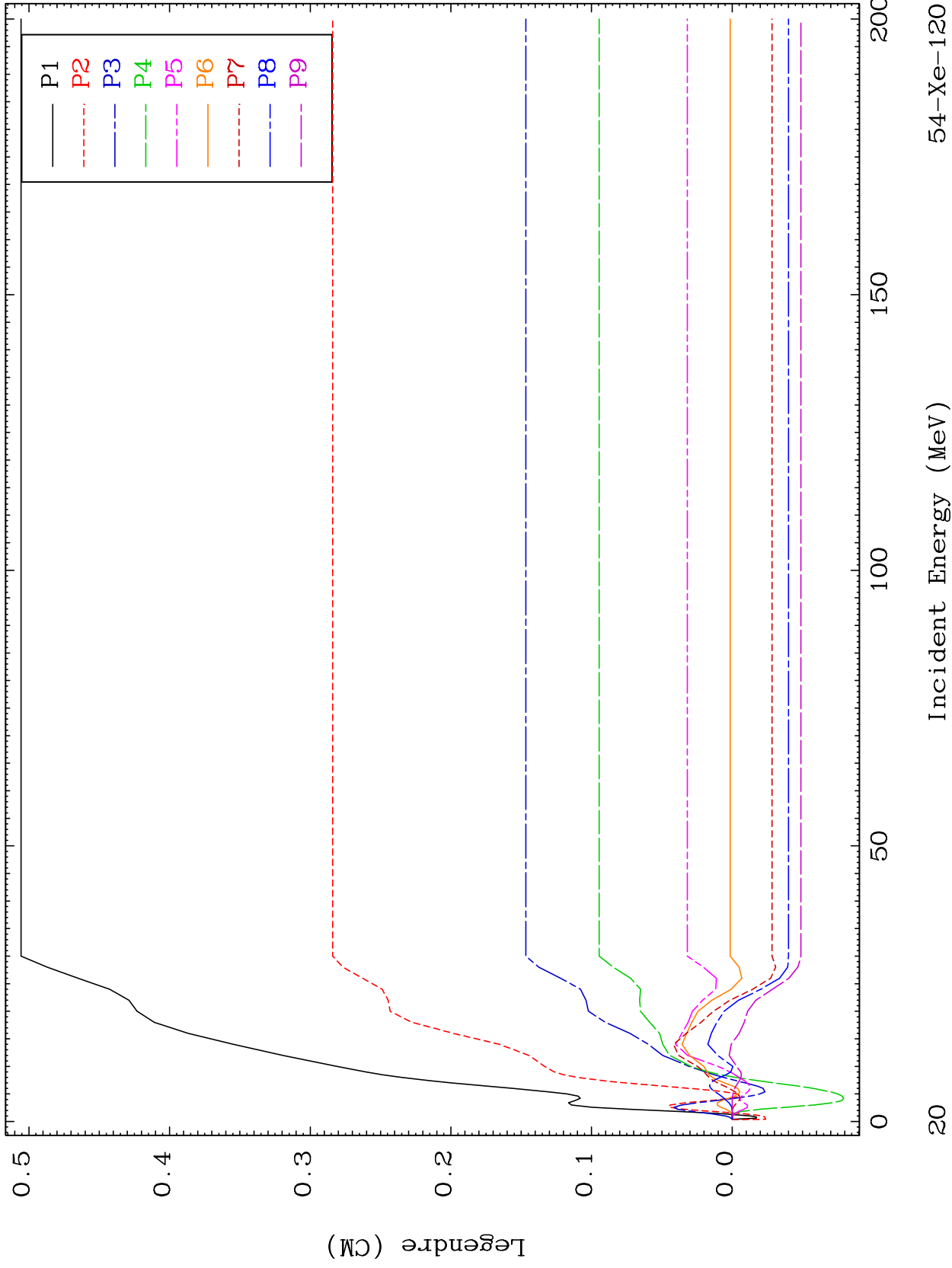


- P28
- P29
- P30
- P31
- P32
- P33
- P34

MAT 5413

322.6 keV (n,n') Level  
Legendre Coefficients

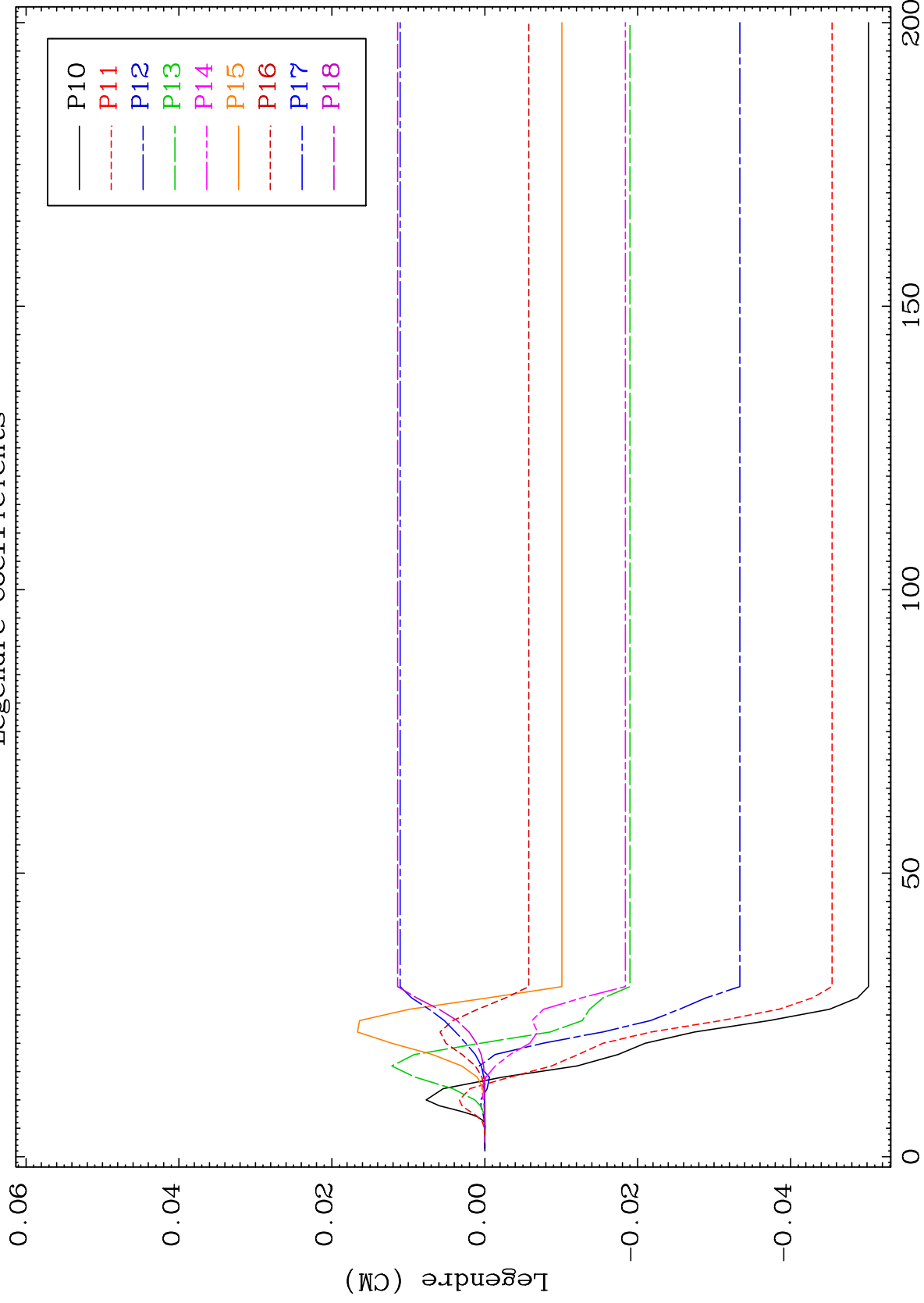
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MAT 5413

322.6 keV (n,n') Level  
Legendre Coefficients

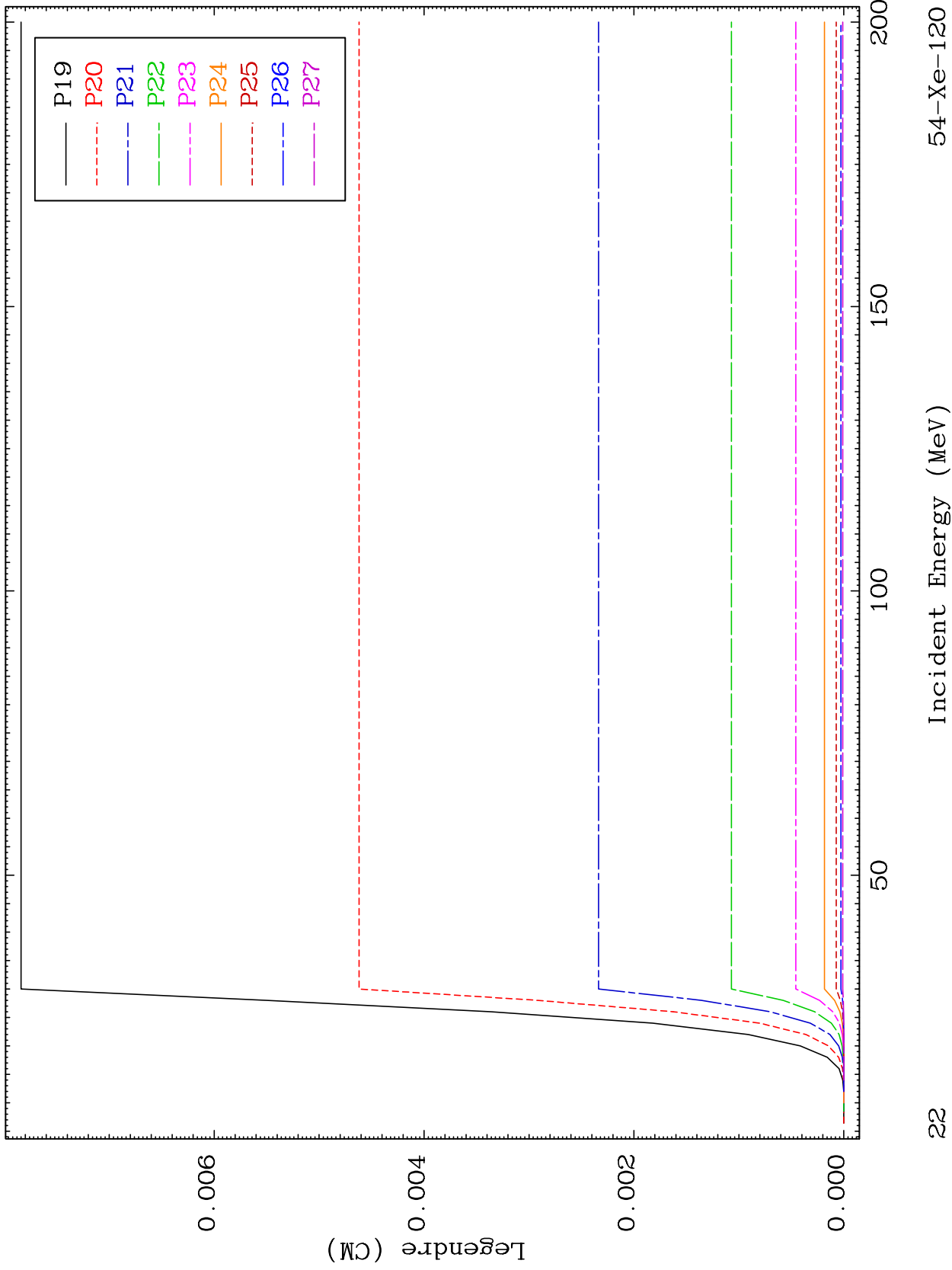
54-Xe-120



MAT 5413

322.6 keV (n,n') Level  
Legendre Coefficients

54-Xe-120



22

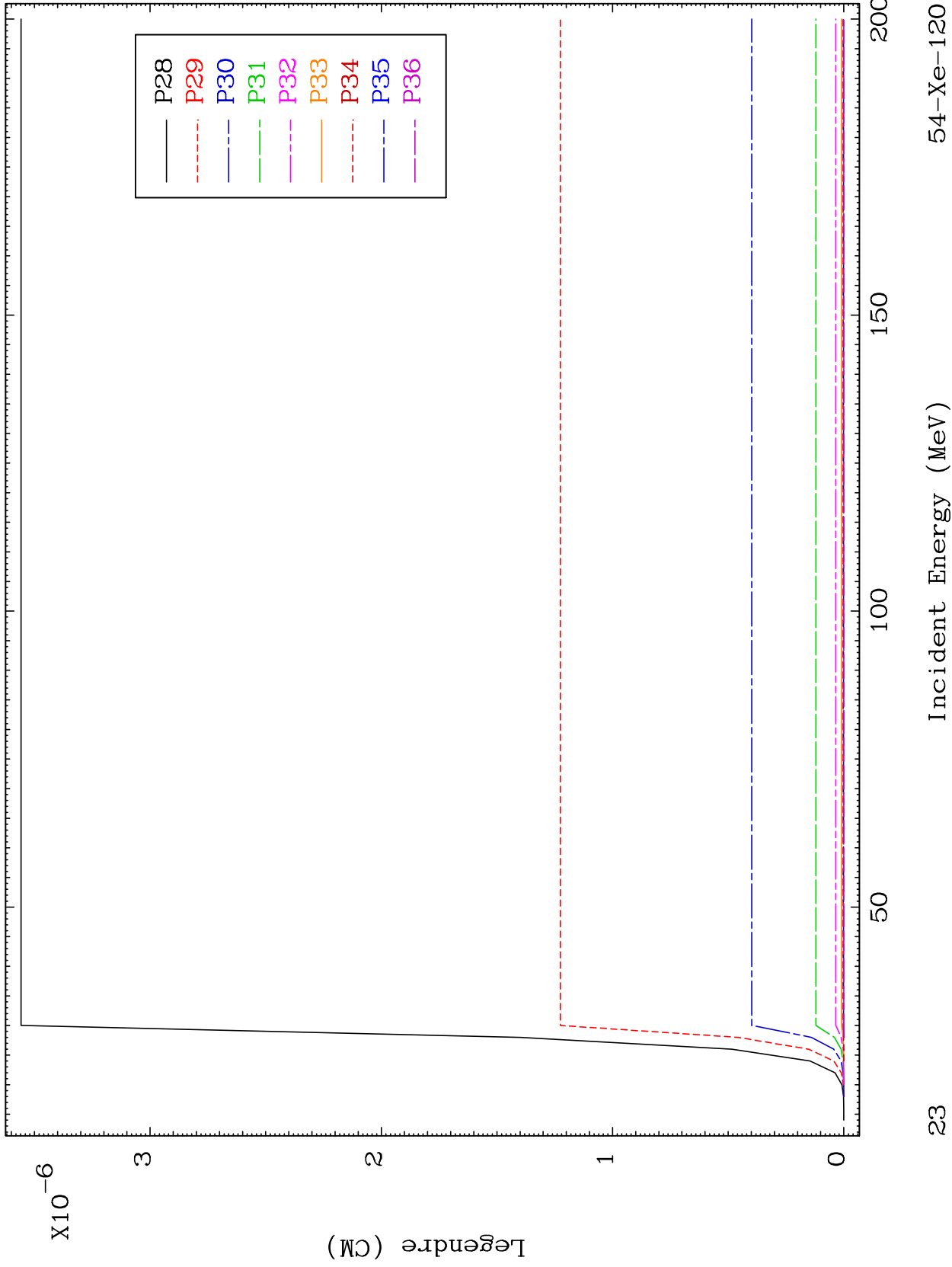
Incident Energy (MeV)

54-Xe-120

MAT 5413

322.6 keV (n, n') Level  
Legendre Coefficients

54-Xe-120



23

Incident Energy (MeV)

54-Xe-120

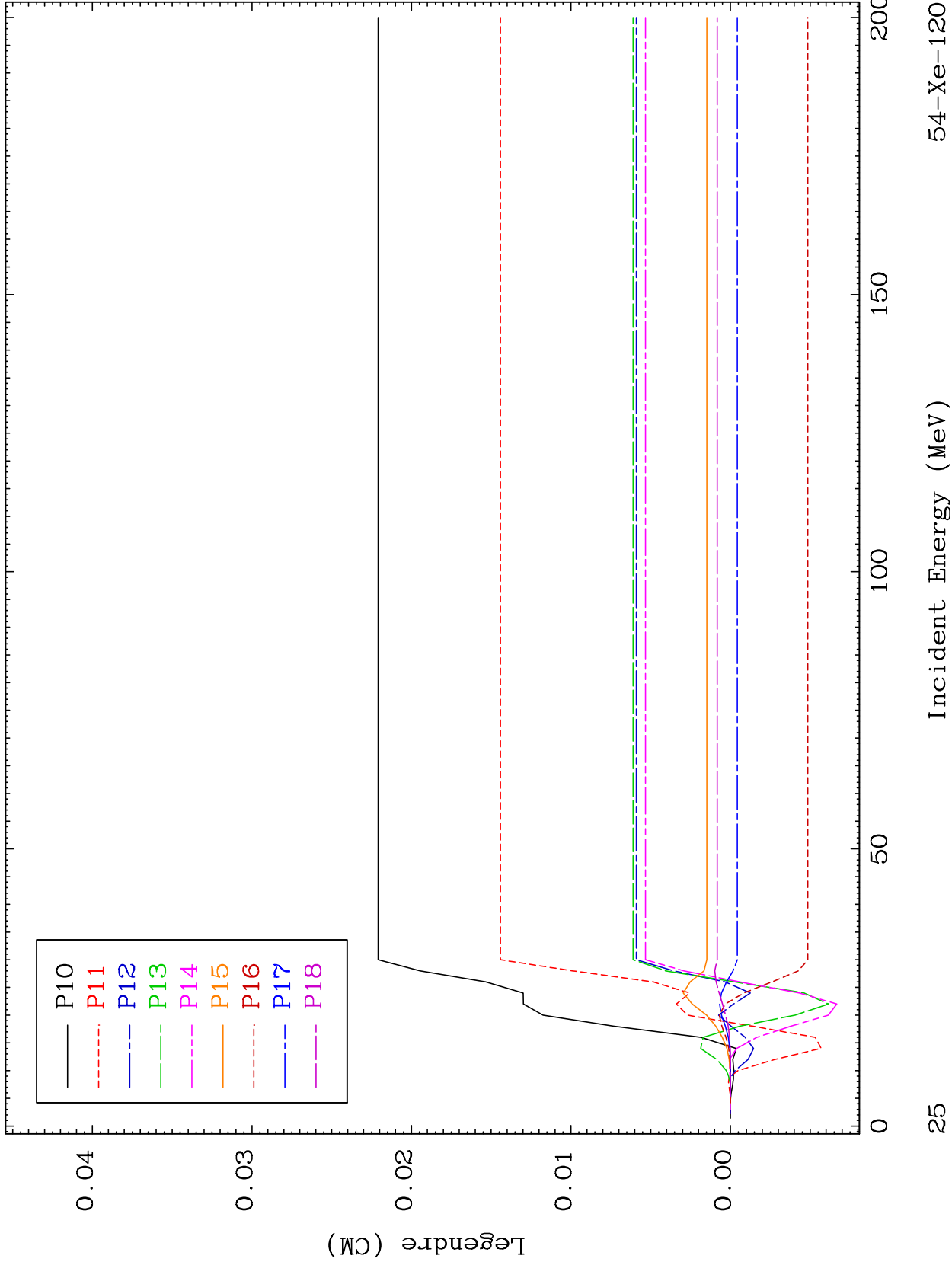




MAT 5413

796.2 keV (n,n') Level  
Legendre Coefficients

54-Xe-120



54-Xe-120

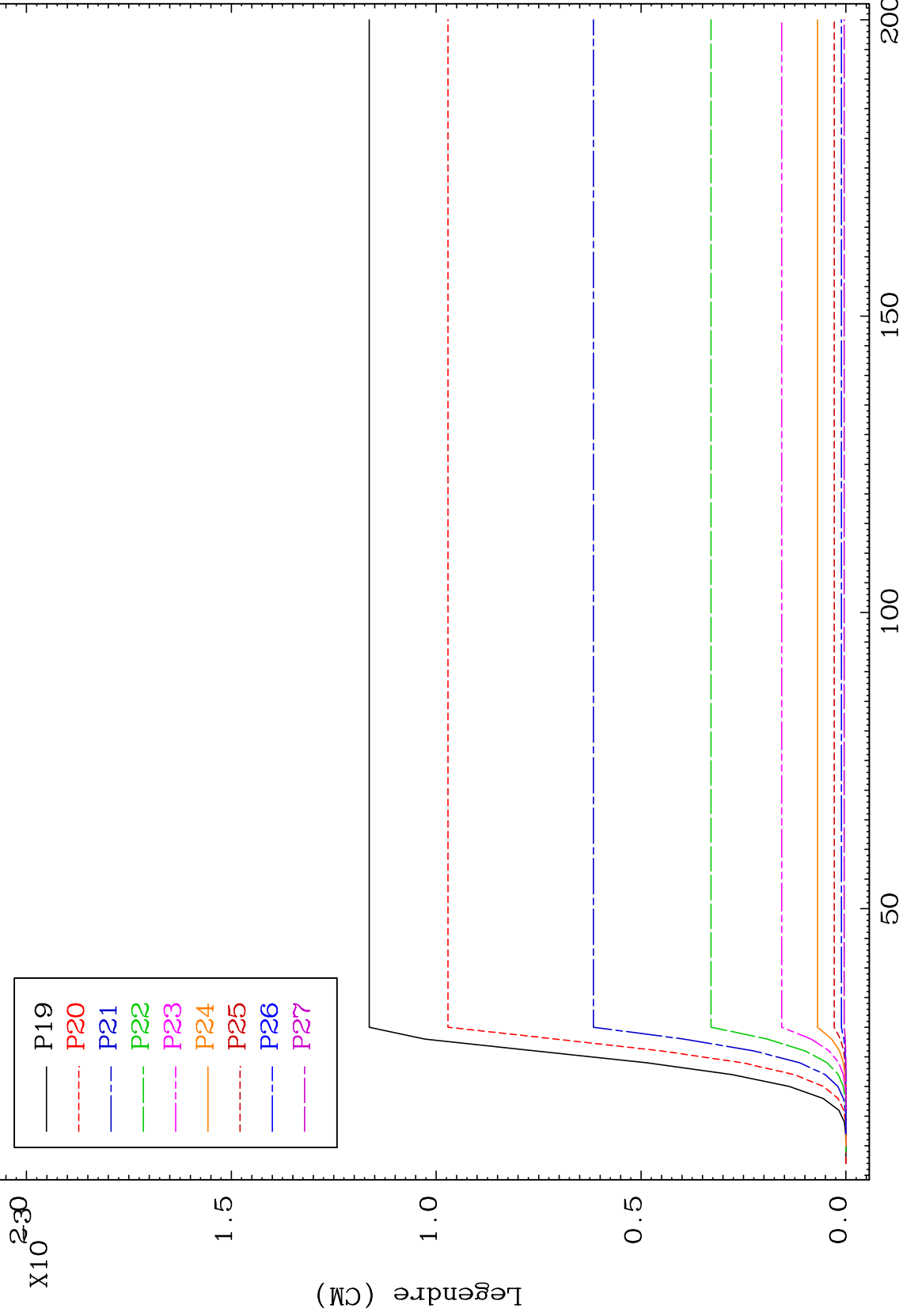
Incident Energy (MeV)

25

MAT 5413

796.2 keV (n,n') Level  
Legendre Coefficients

54-Xe-120



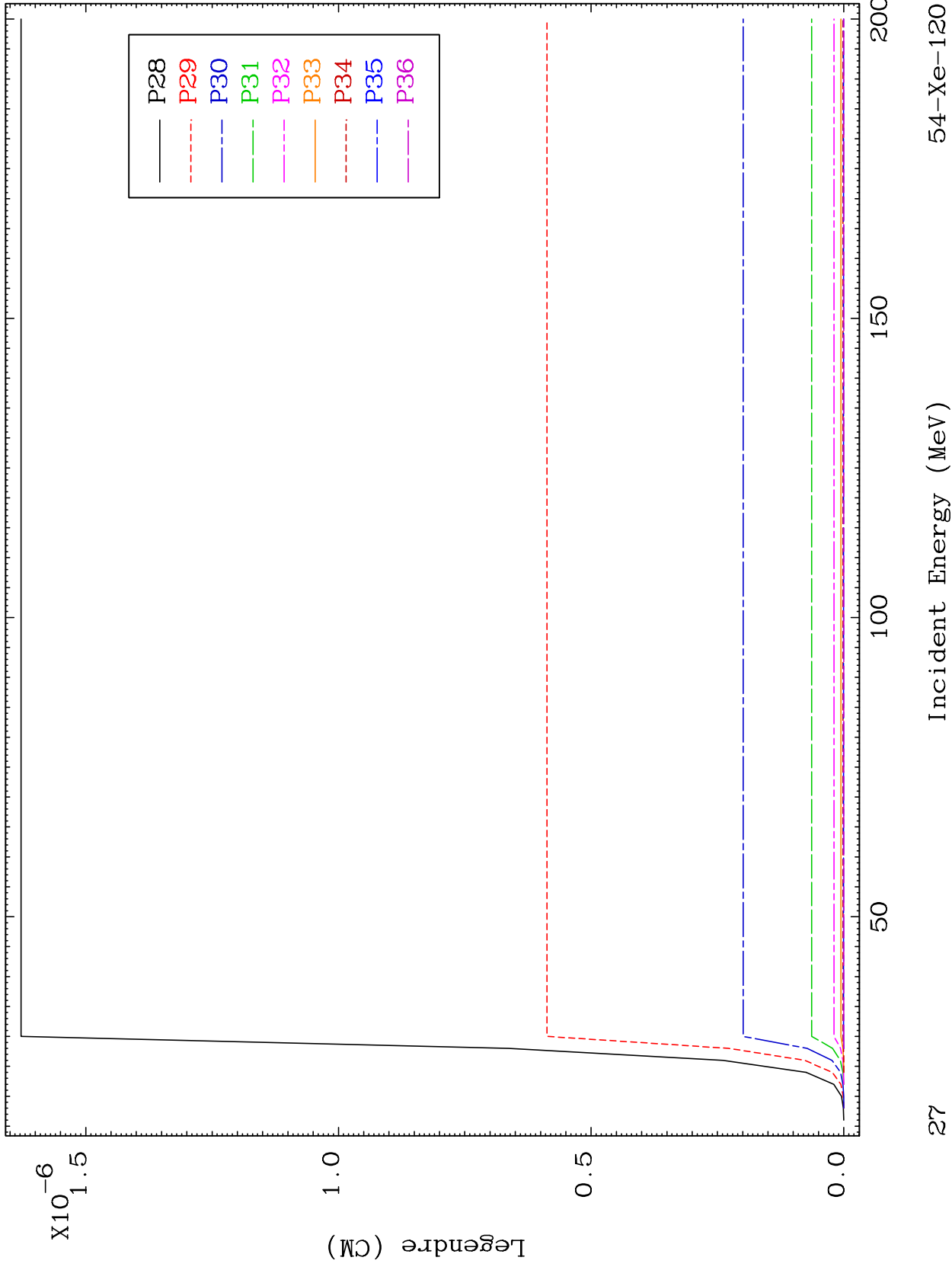
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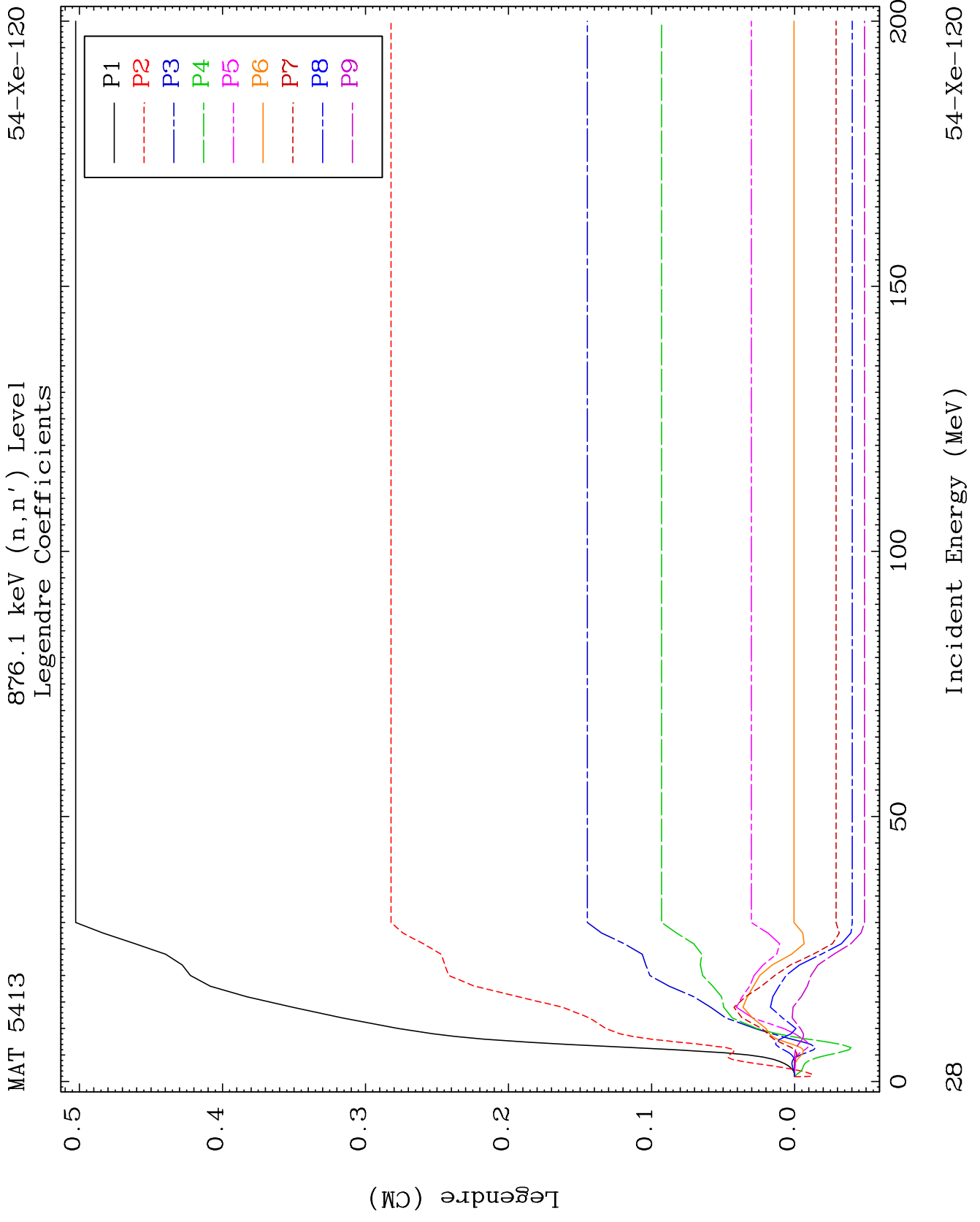
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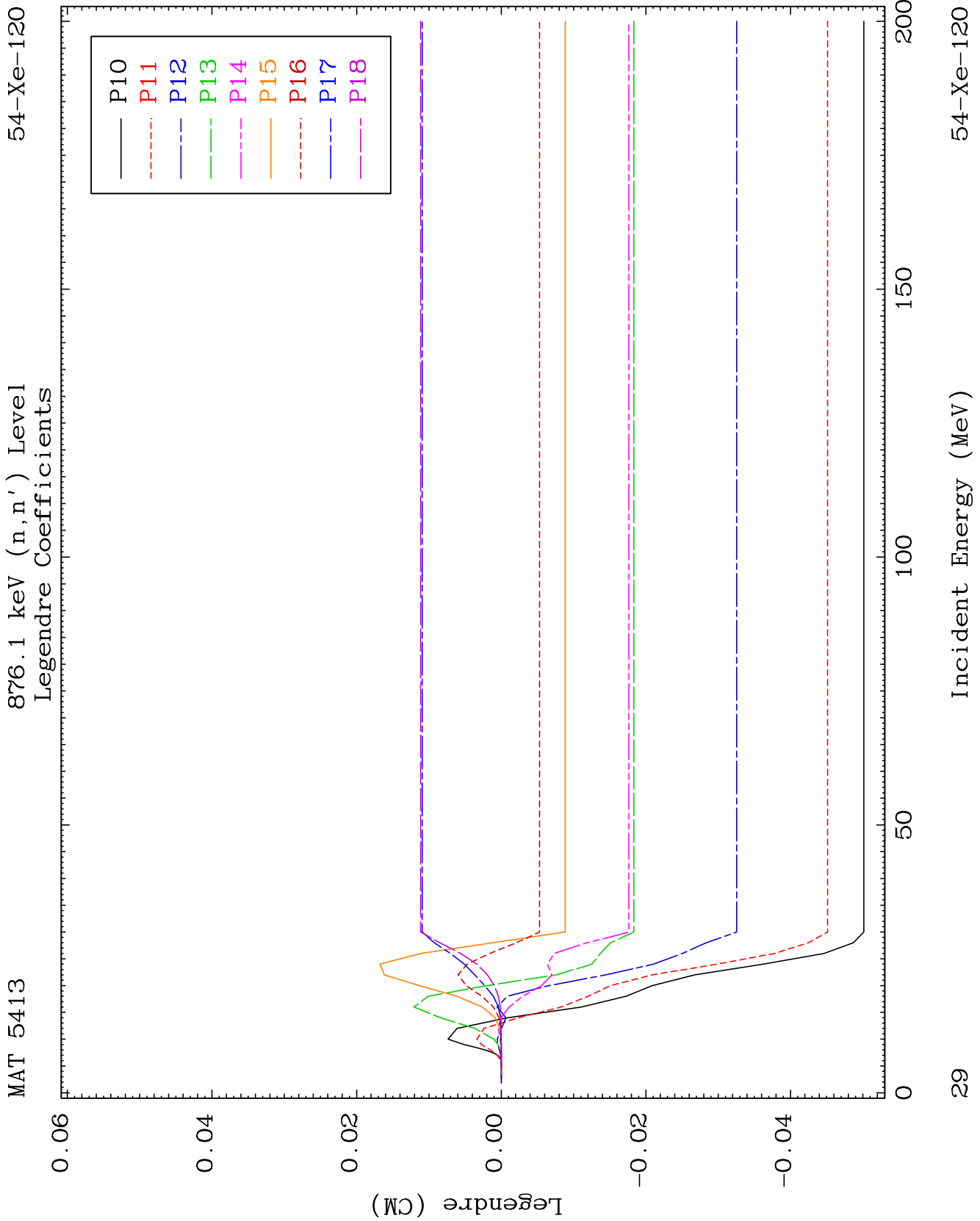
MAT 5413

796.2 keV (n,n') Level  
Legendre Coefficients

54-Xe-120



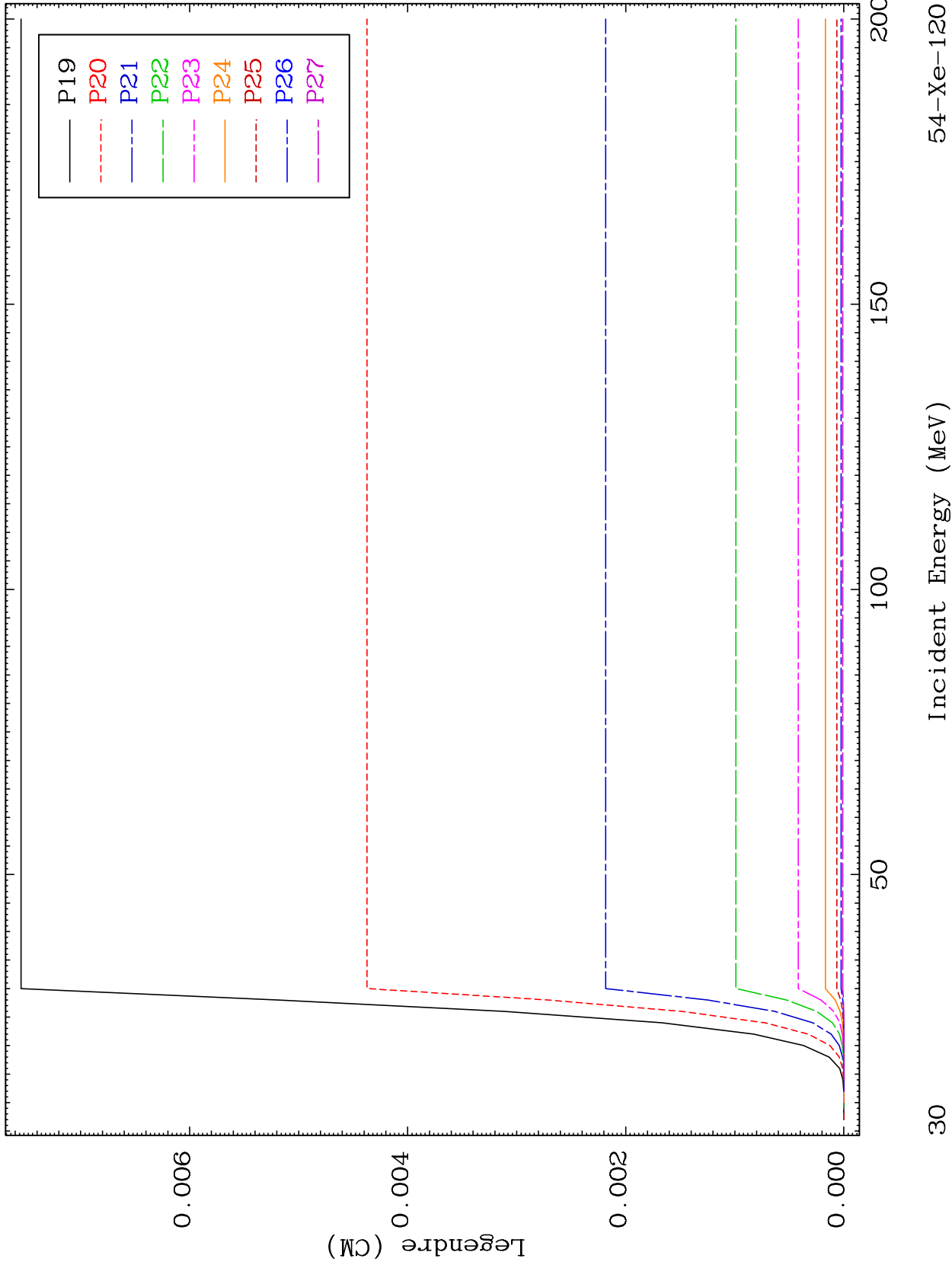




MAT 5413

876.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-120



30

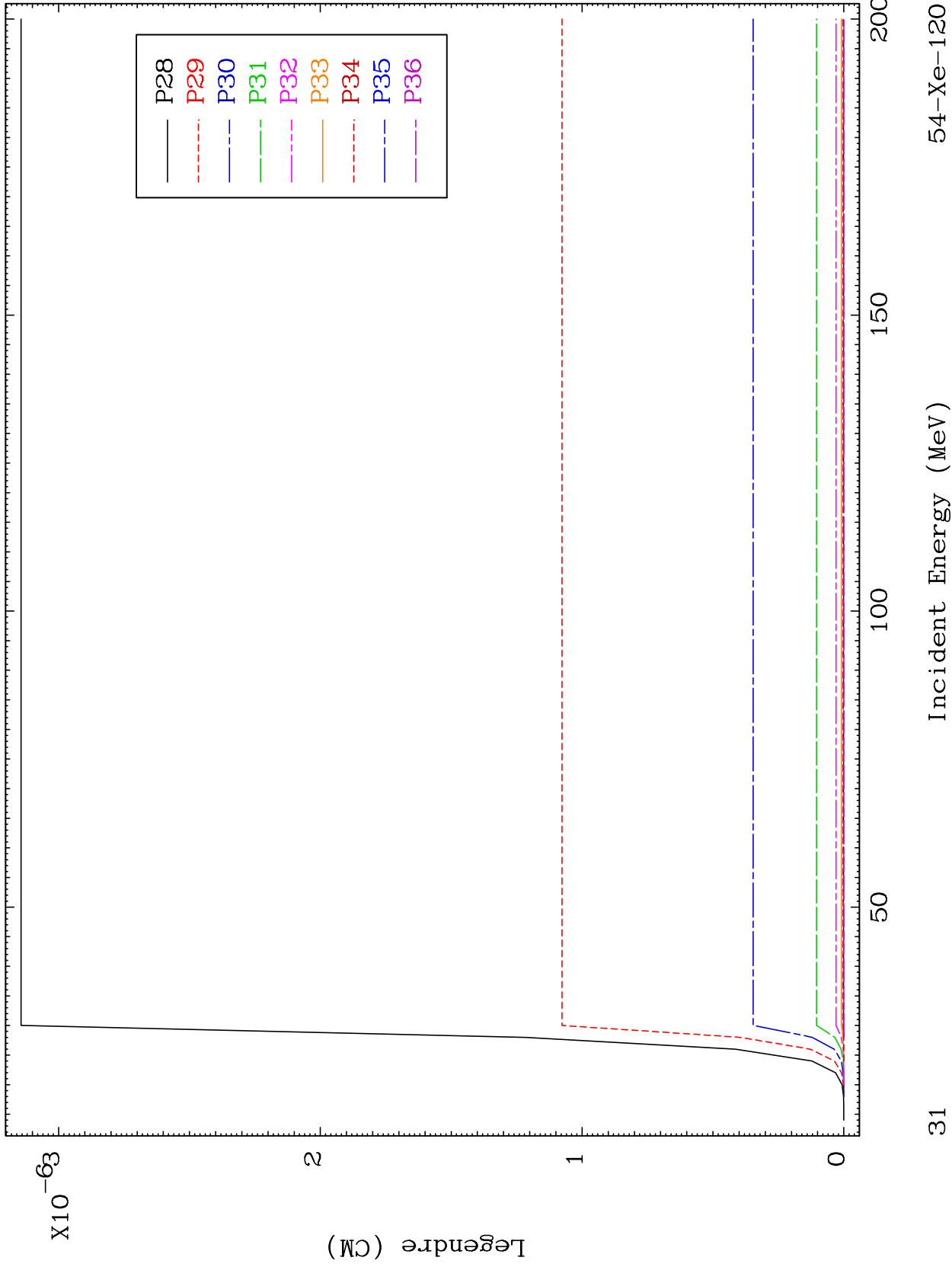
Incident Energy (MeV)

54-Xe-120

MAT 5413

876.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-120

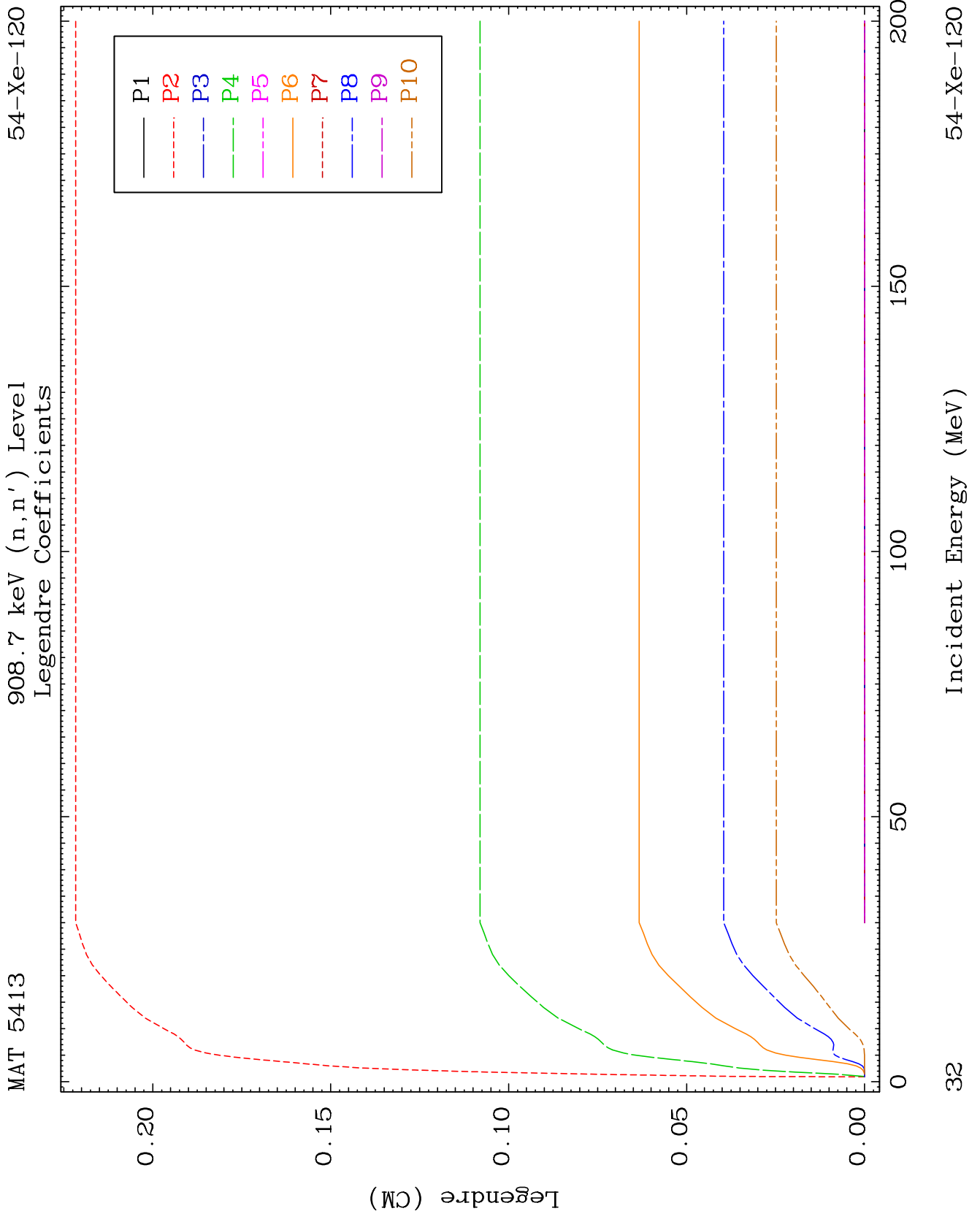


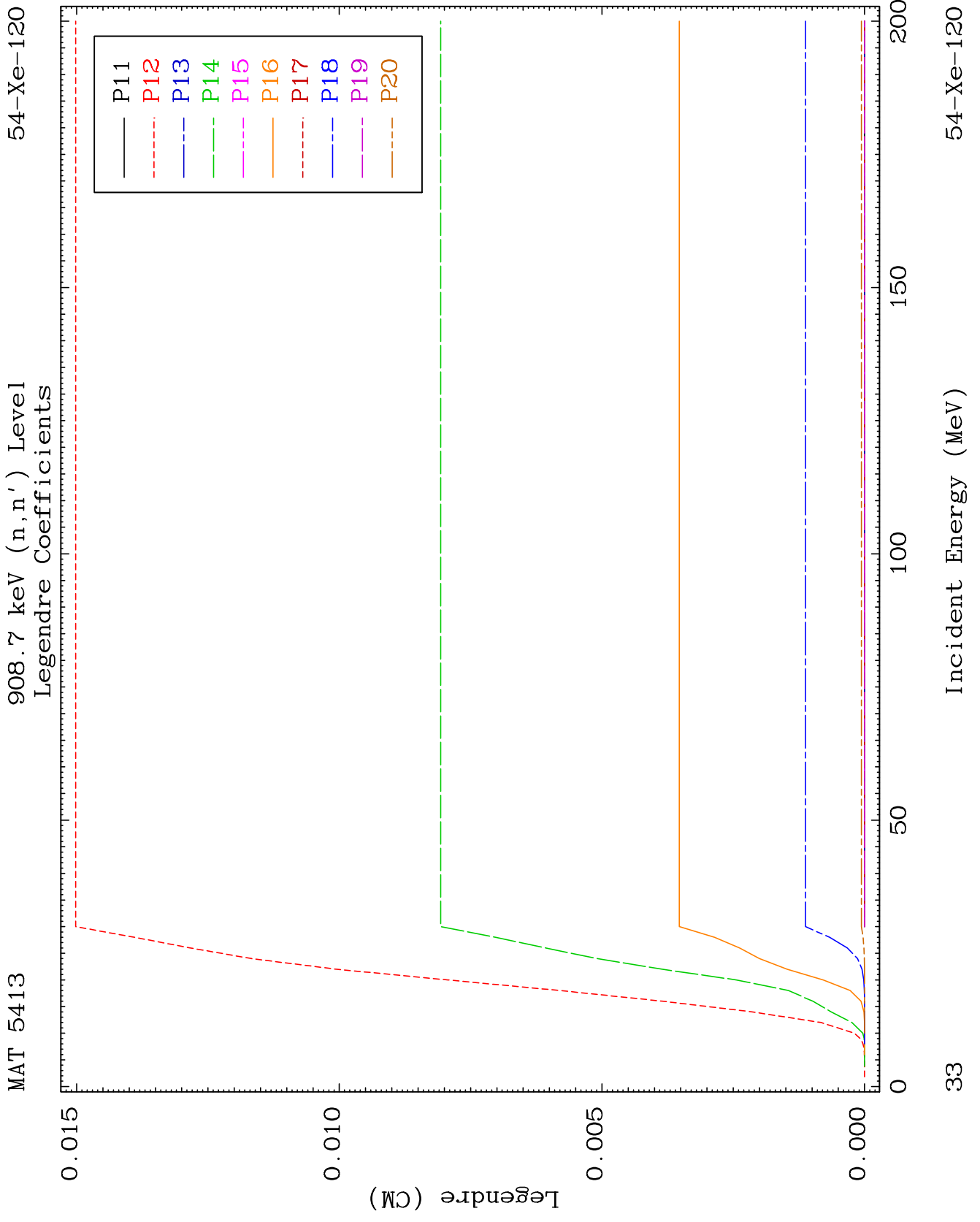
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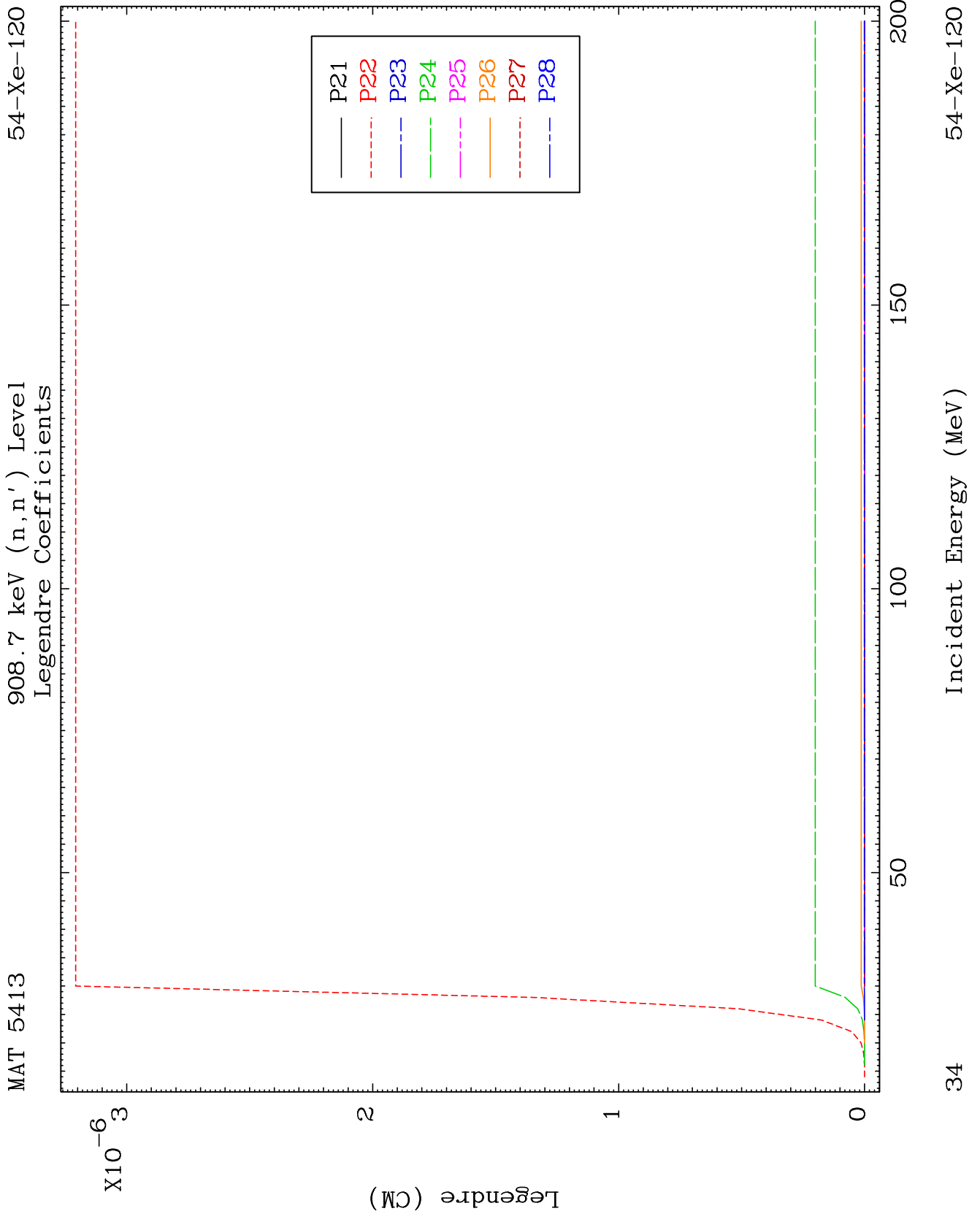
Incident Energy (MeV)

54-Xe-120







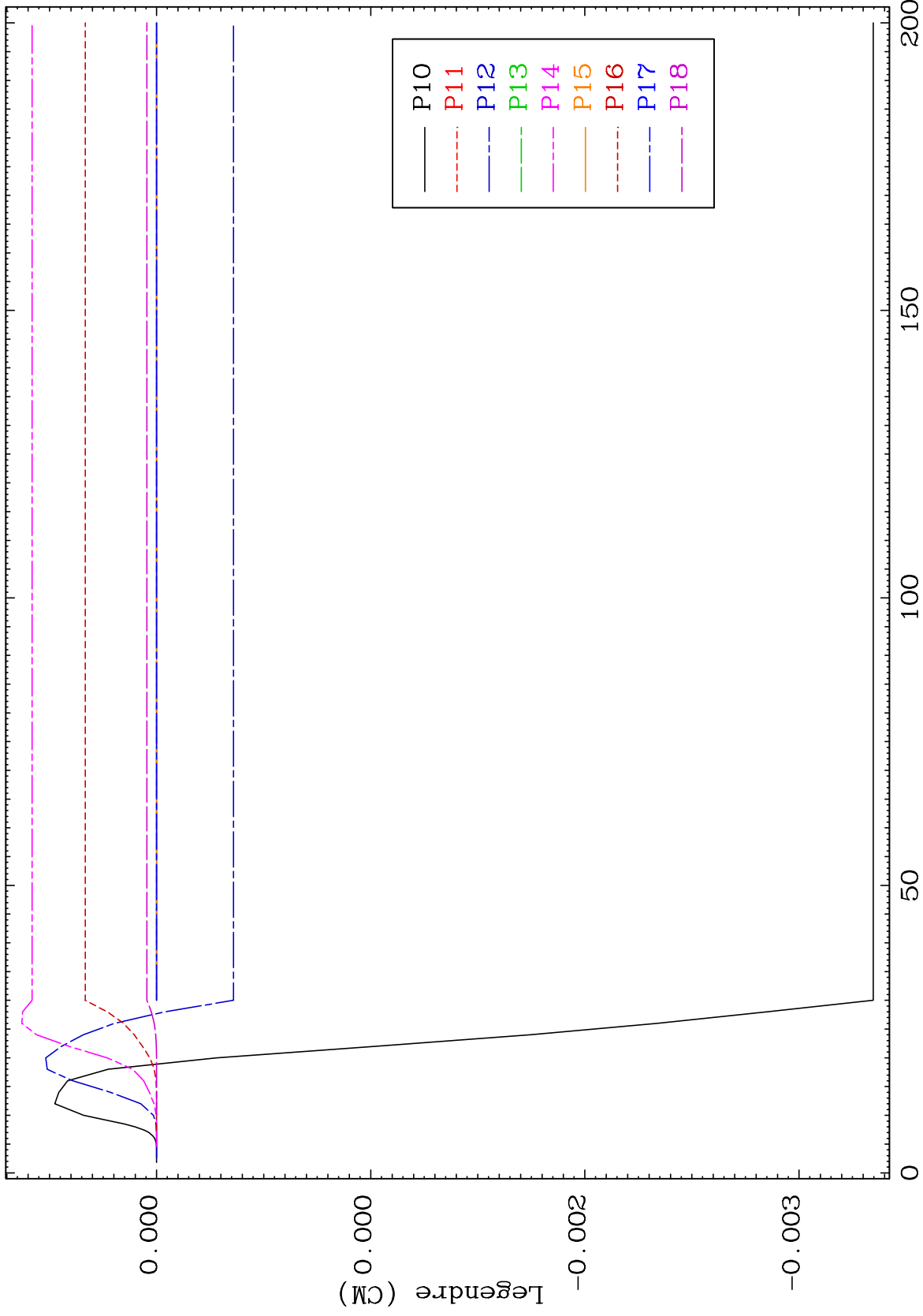




MAT 5413

1.272 MeV (n,n') Level  
Legendre Coefficients

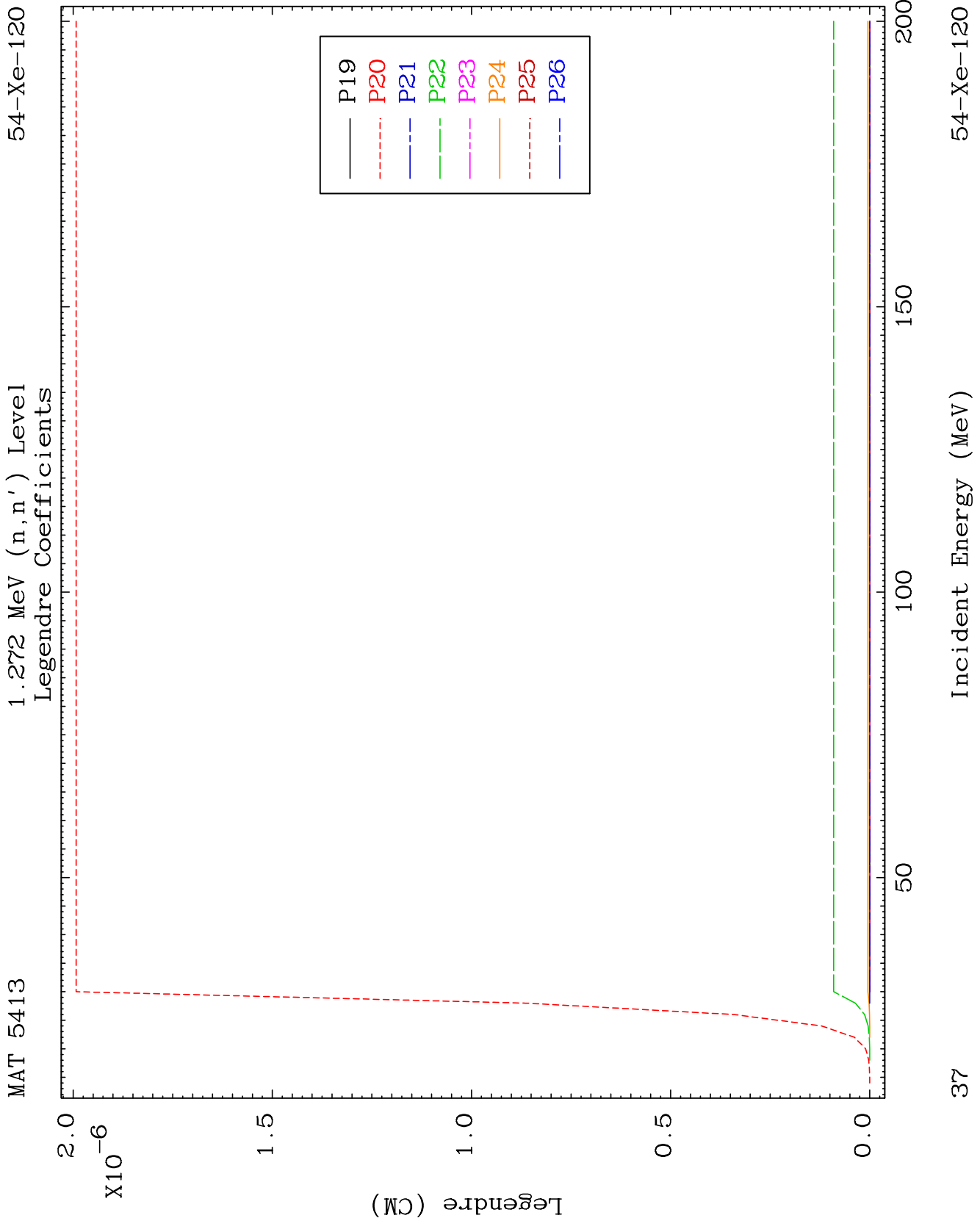
54-Xe-120

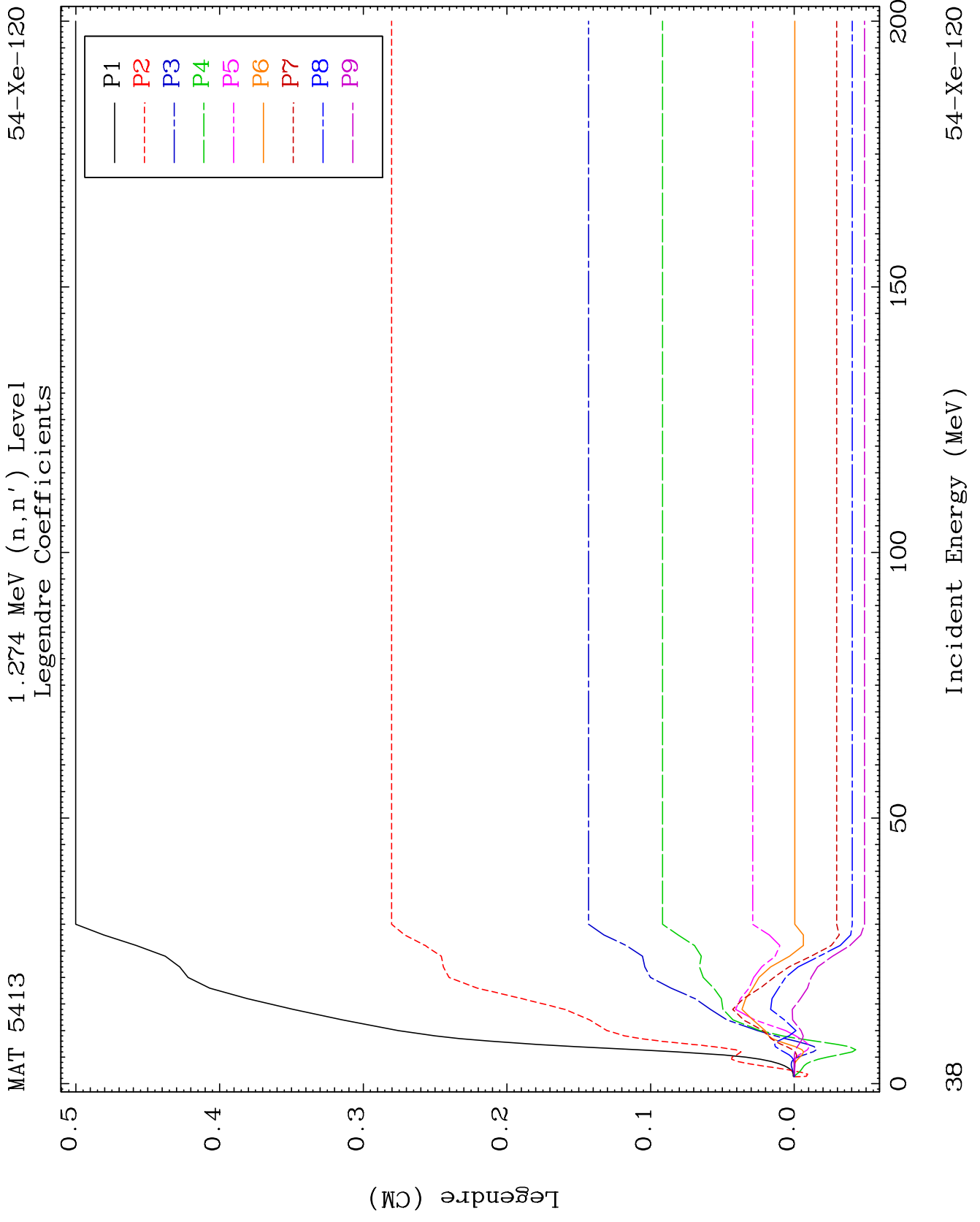


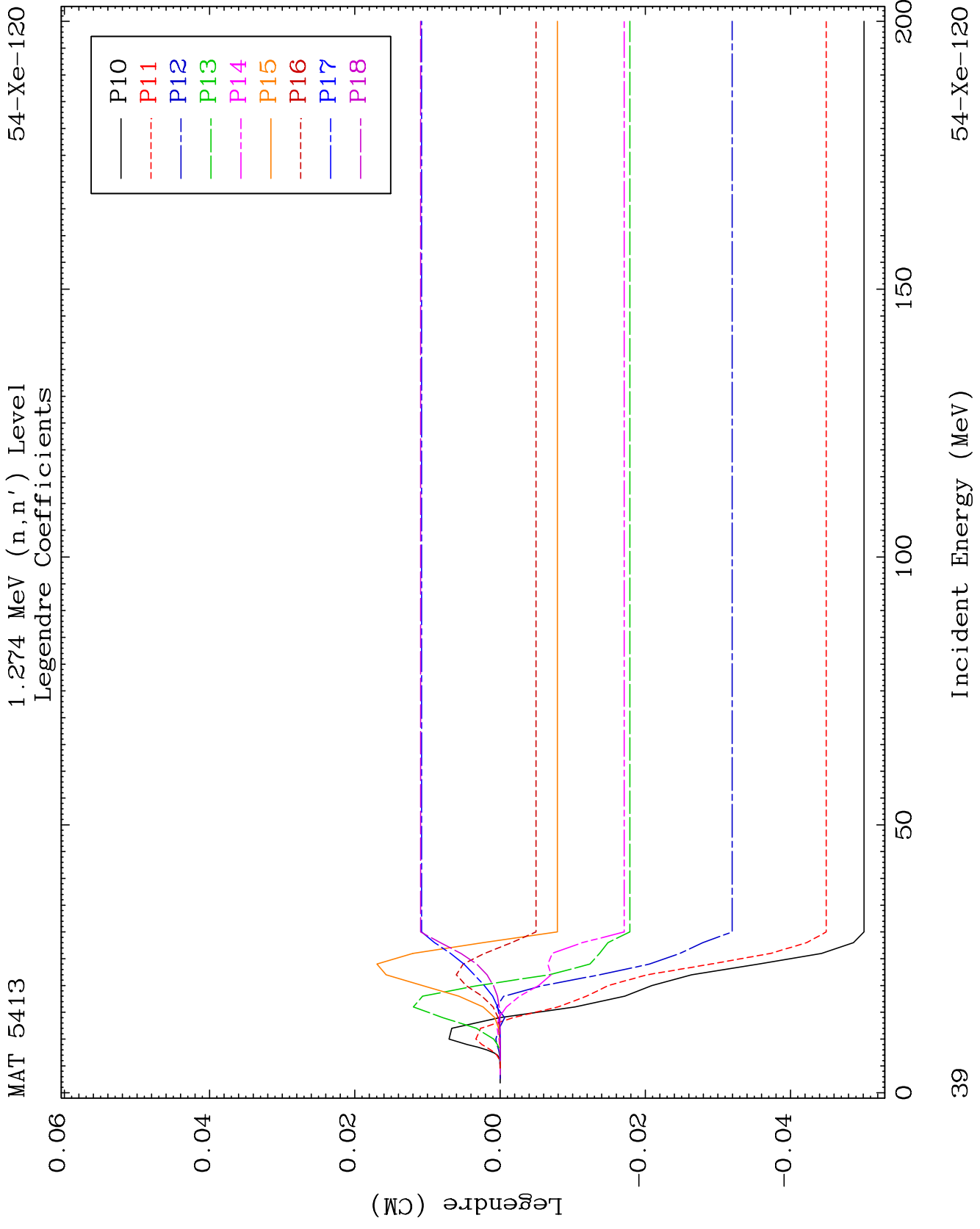
36

Incident Energy (MeV)

54-Xe-120





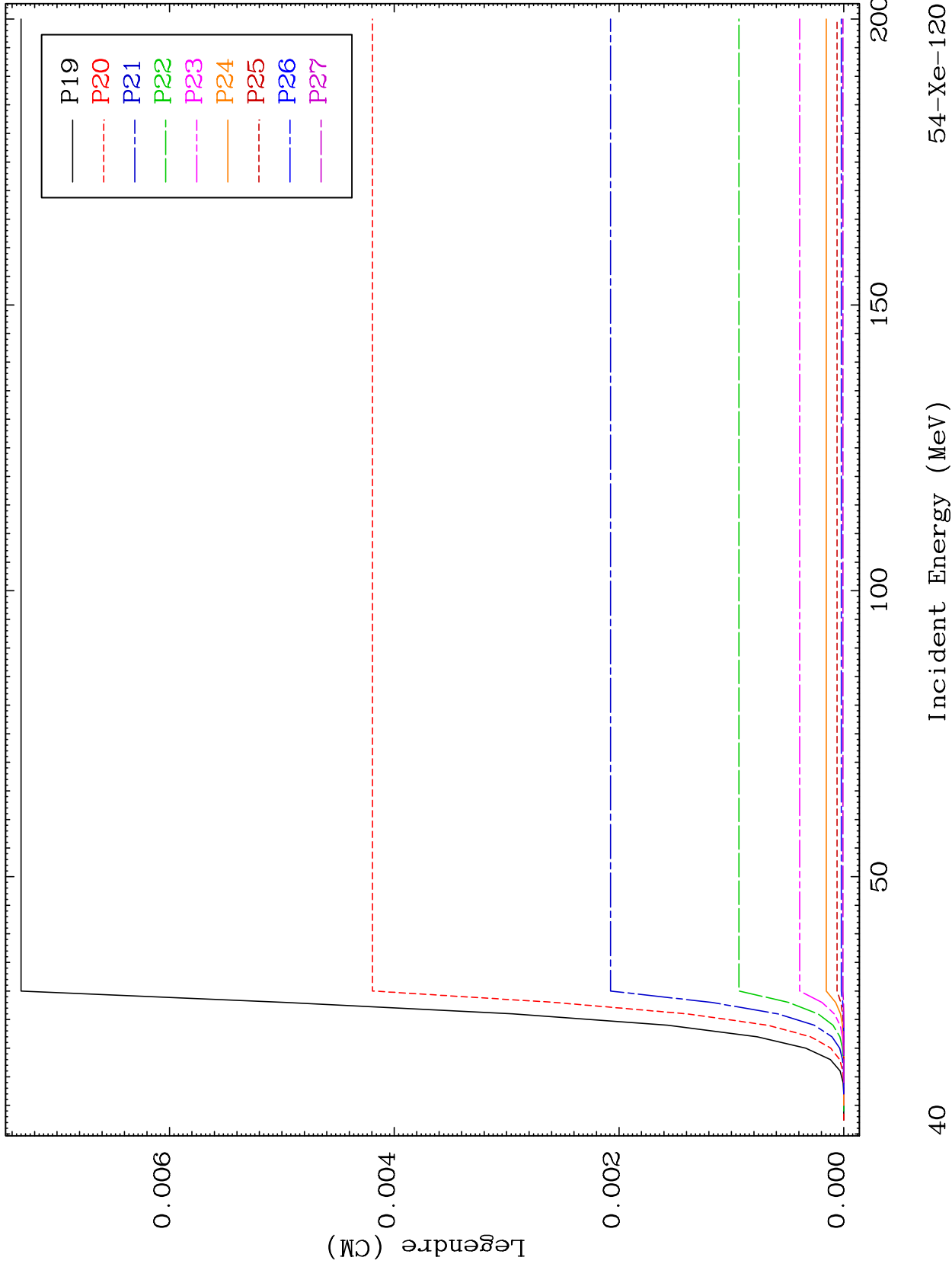




MAT 5413

1.274 MeV (n,n') Level  
Legendre Coefficients

54-Xe-120



54-Xe-120

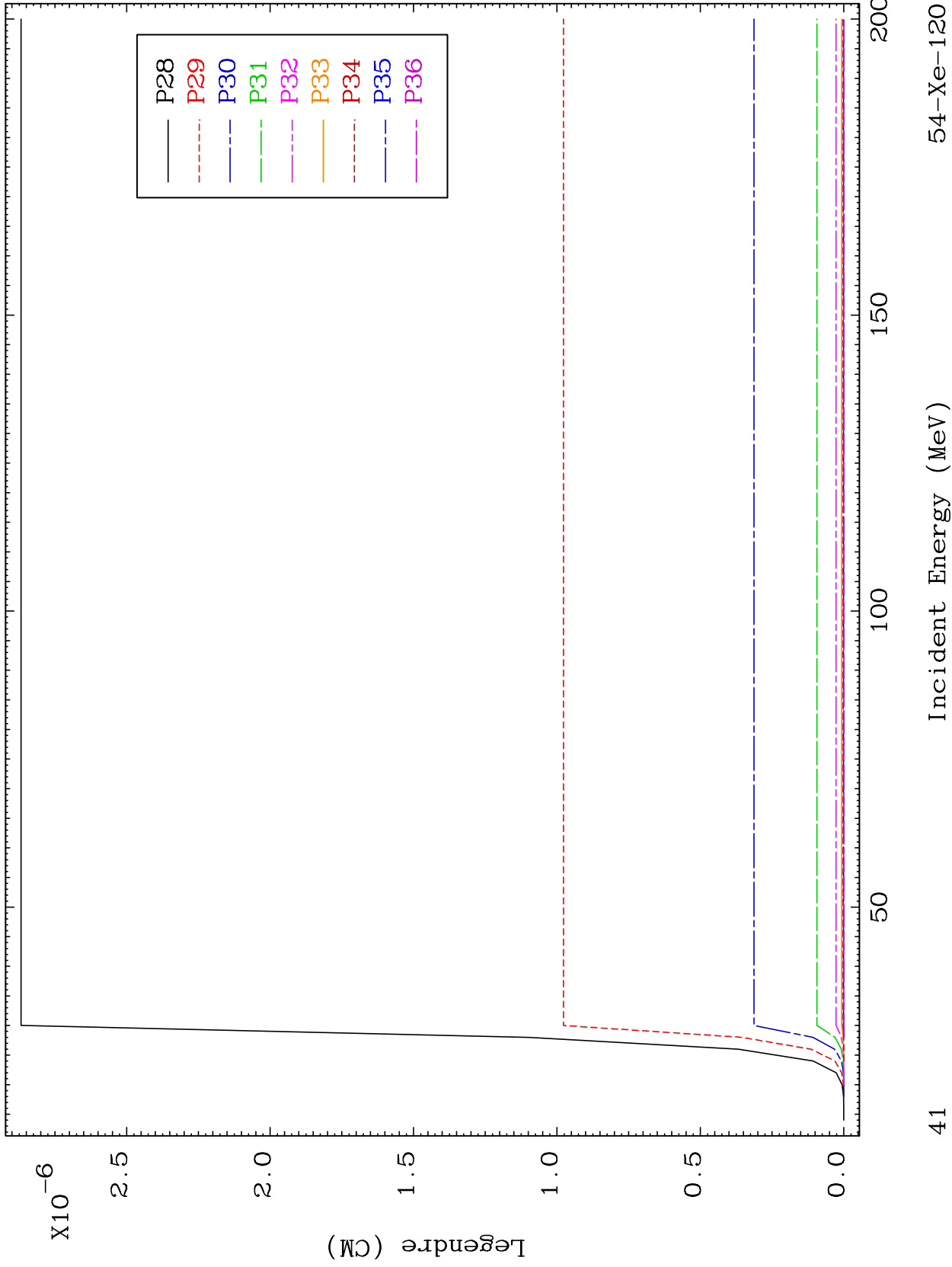
Incident Energy (MeV)

40

MAT 5413

1.274 MeV (n,n') Level  
Legendre Coefficients

54-Xe-120



41

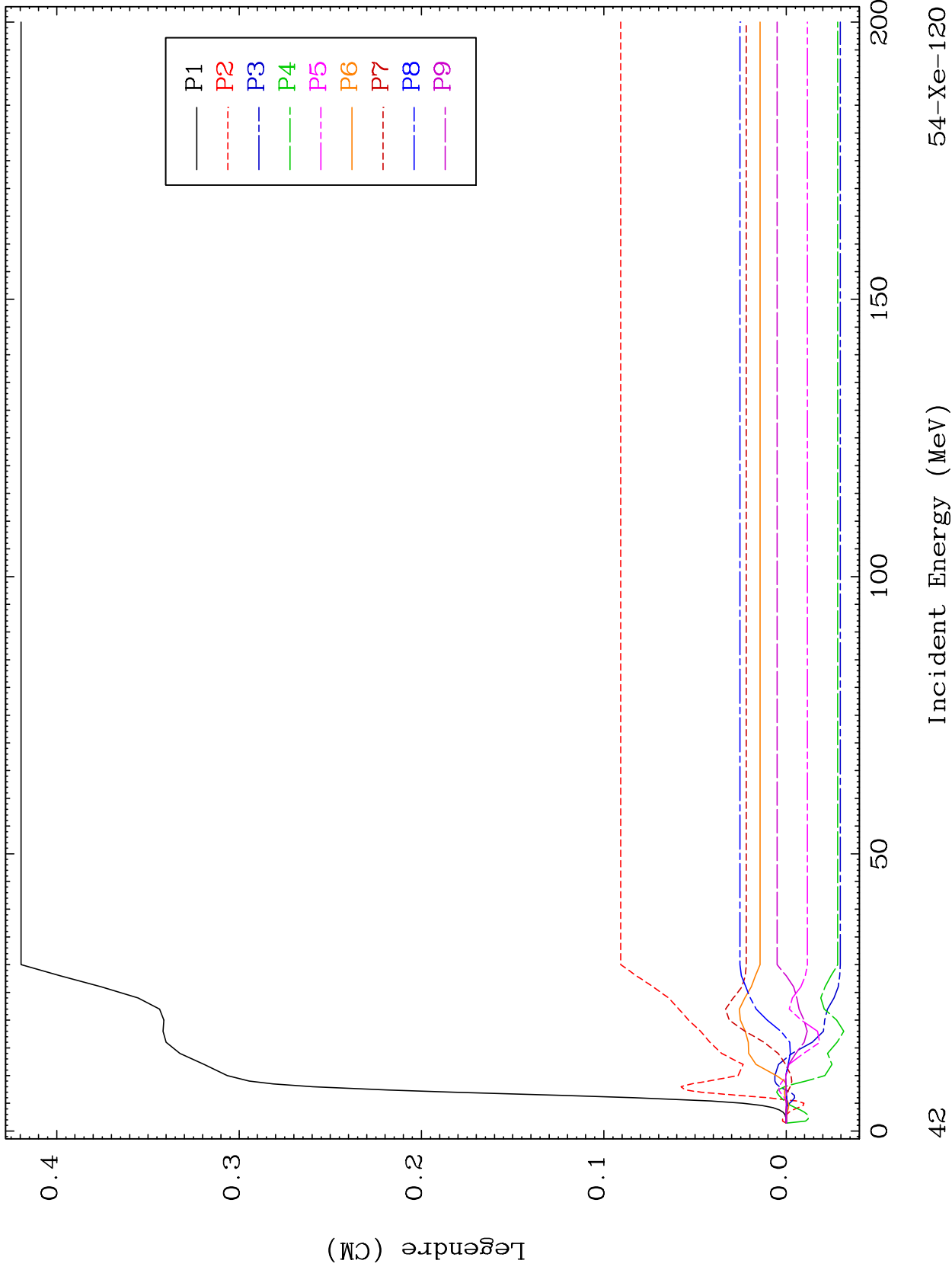
Incident Energy (MeV)

54-Xe-120

MAT 5413

1.397 MeV (n,n') Level  
Legendre Coefficients

54-Xe-120



42

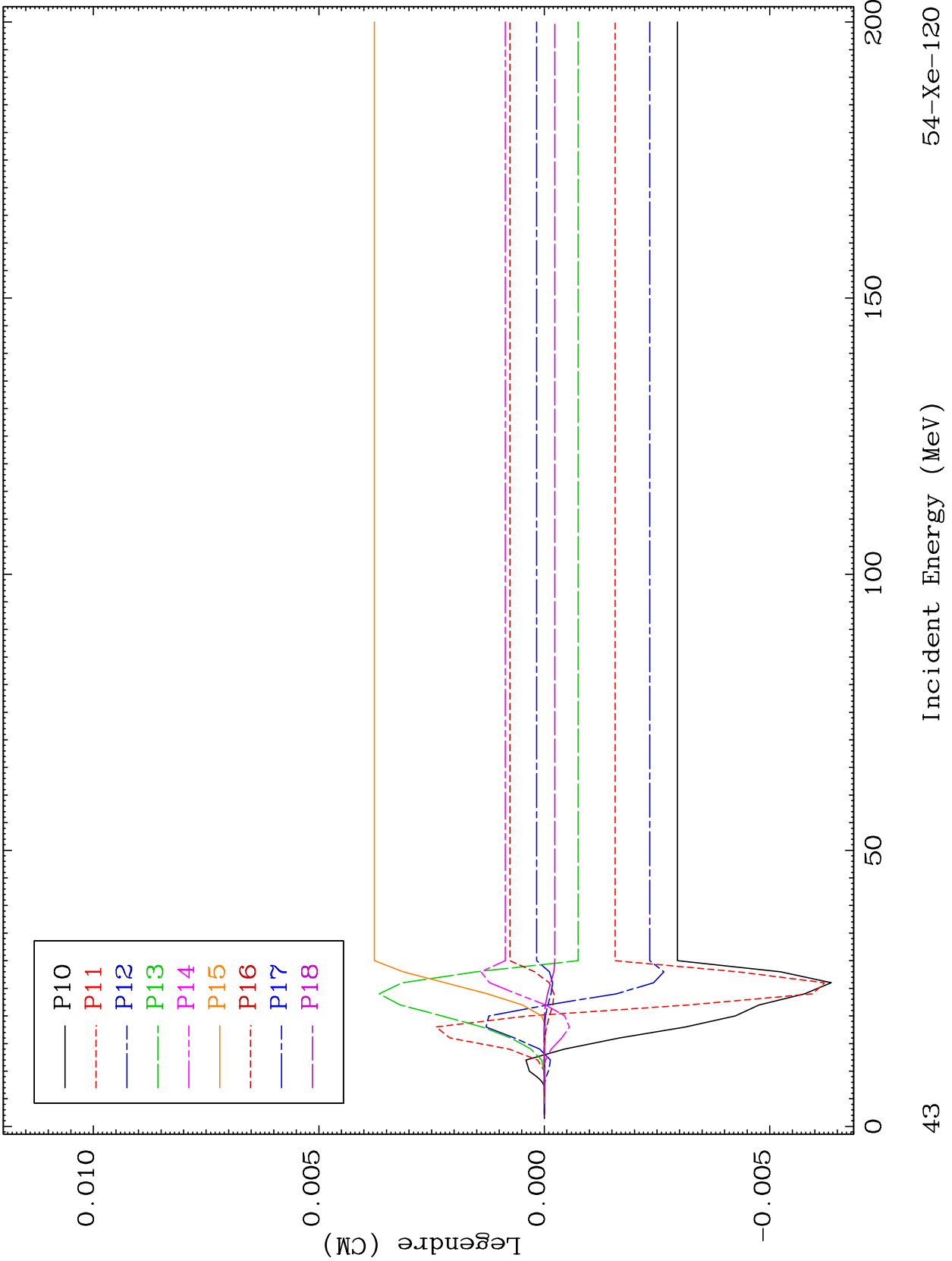
Incident Energy (MeV)

54-Xe-120

MAT 5413

1.397 MeV (n,n') Level Legendre Coefficients

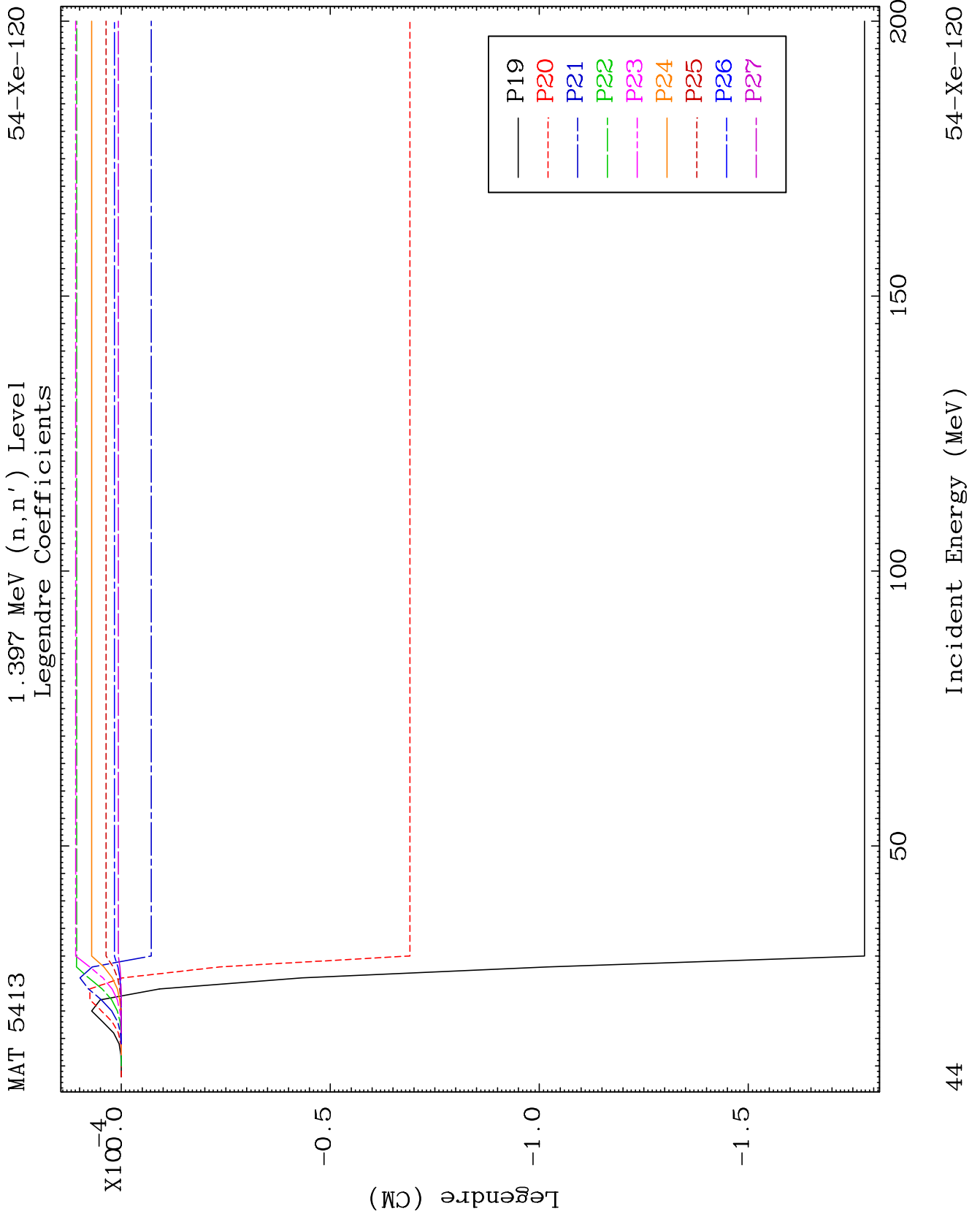
54-Xe-120



43

Incident Energy (MeV)

54-Xe-120



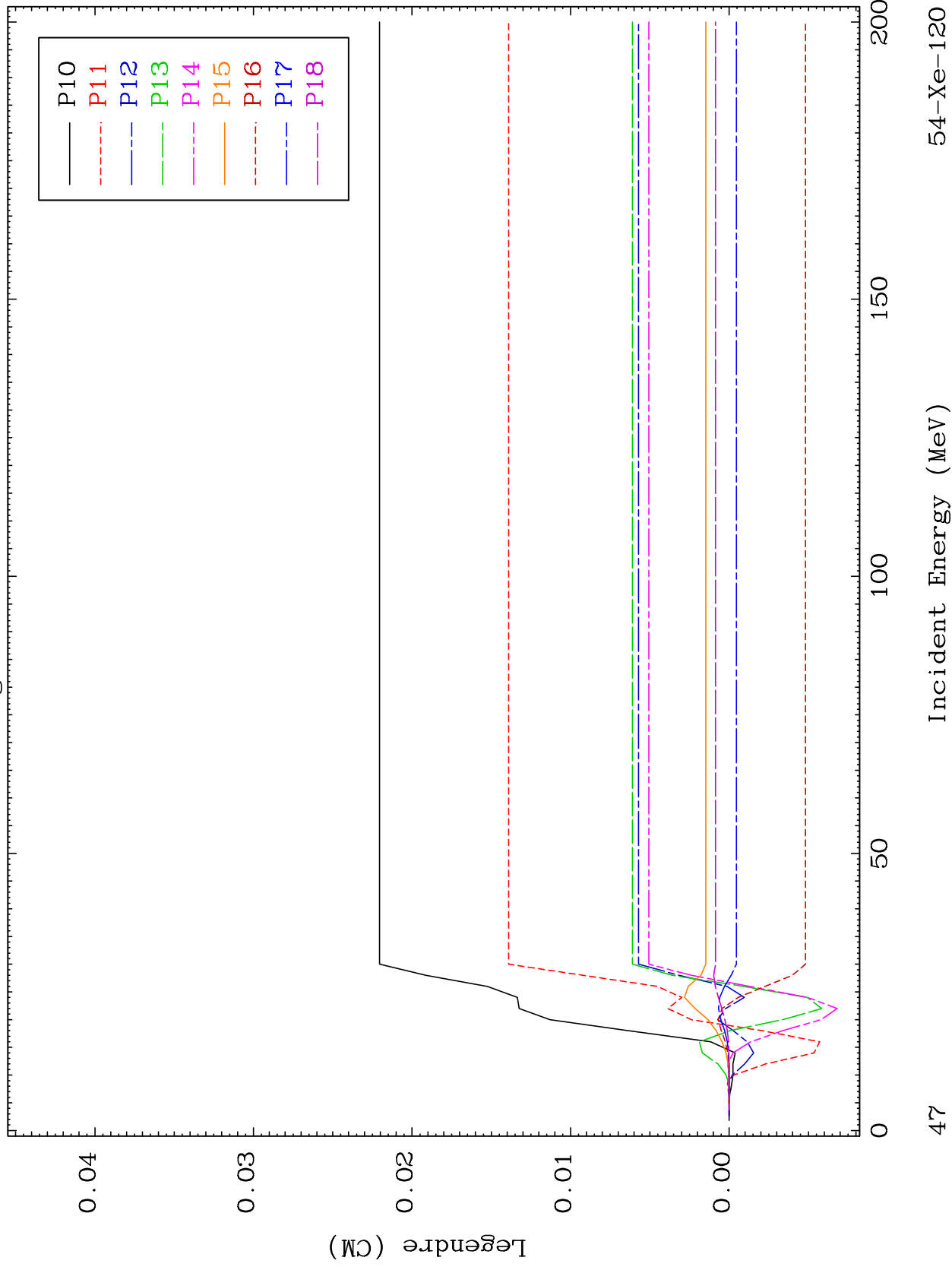




MAT 5413

1.401 MeV (n,n') Level  
Legendre Coefficients

54-Xe-120



47

Incident Energy (MeV)

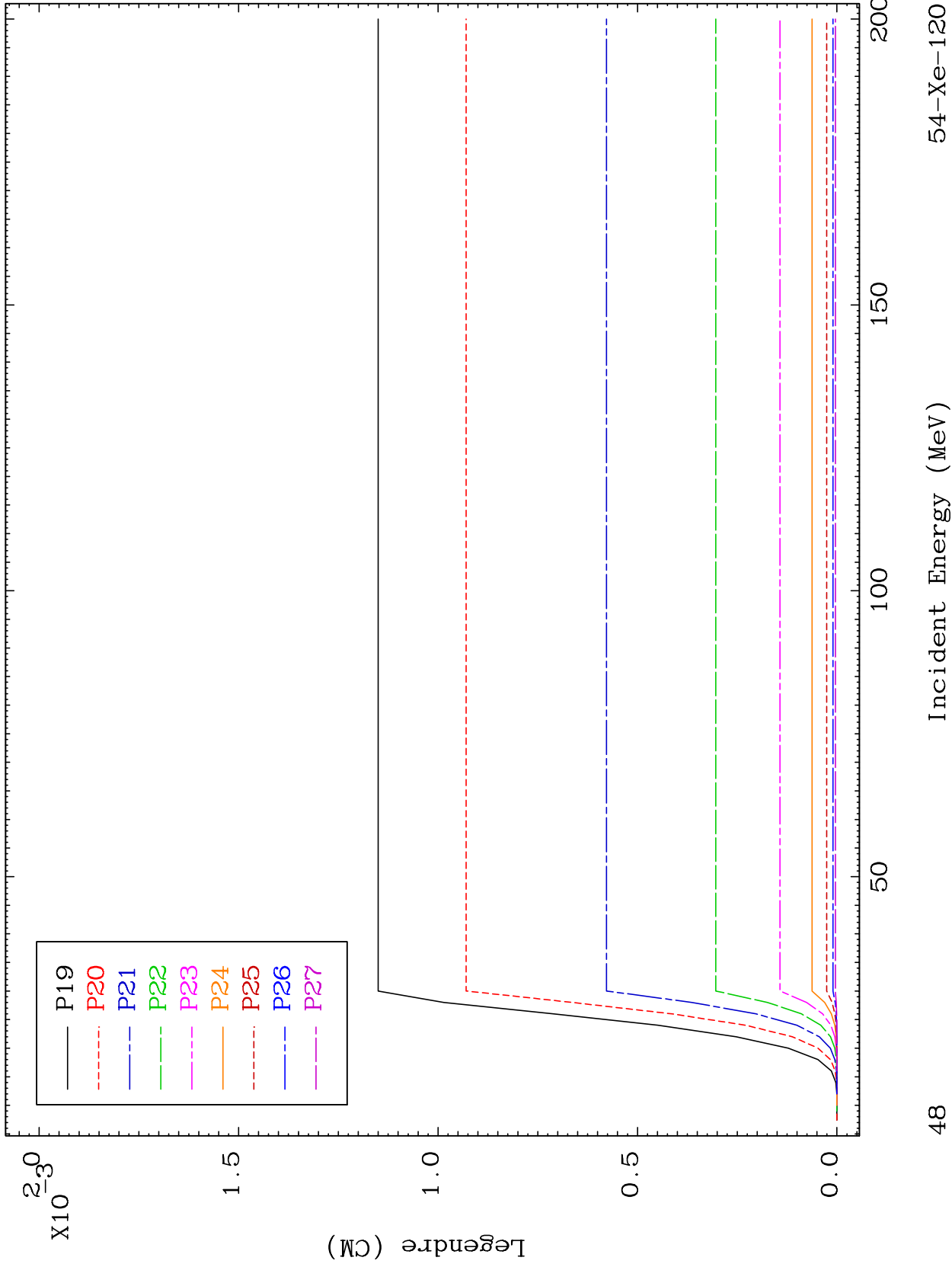
54-Xe-120



MAT 5413

1.401 MeV (n,n') Level  
Legendre Coefficients

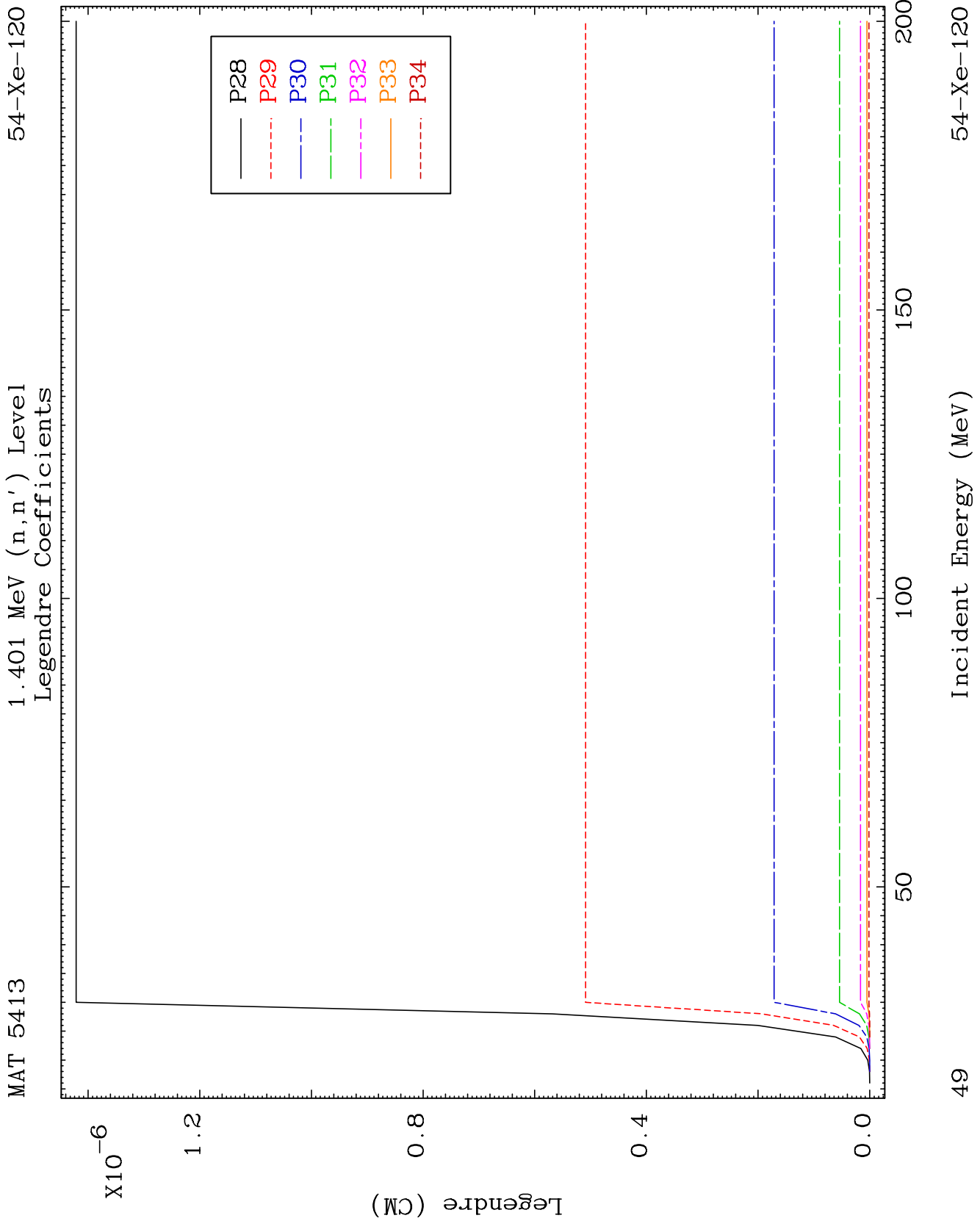
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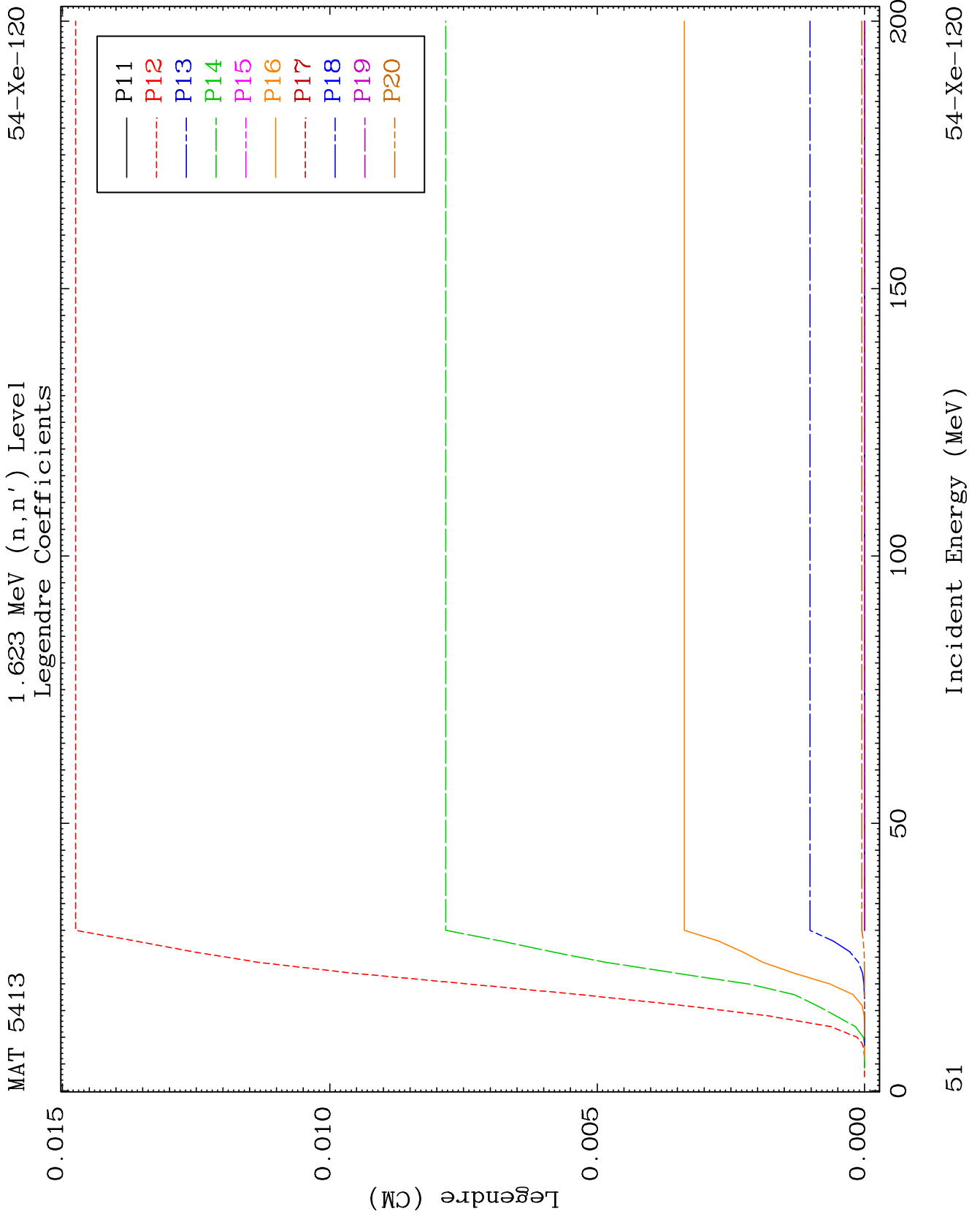
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Incident Energy (MeV)

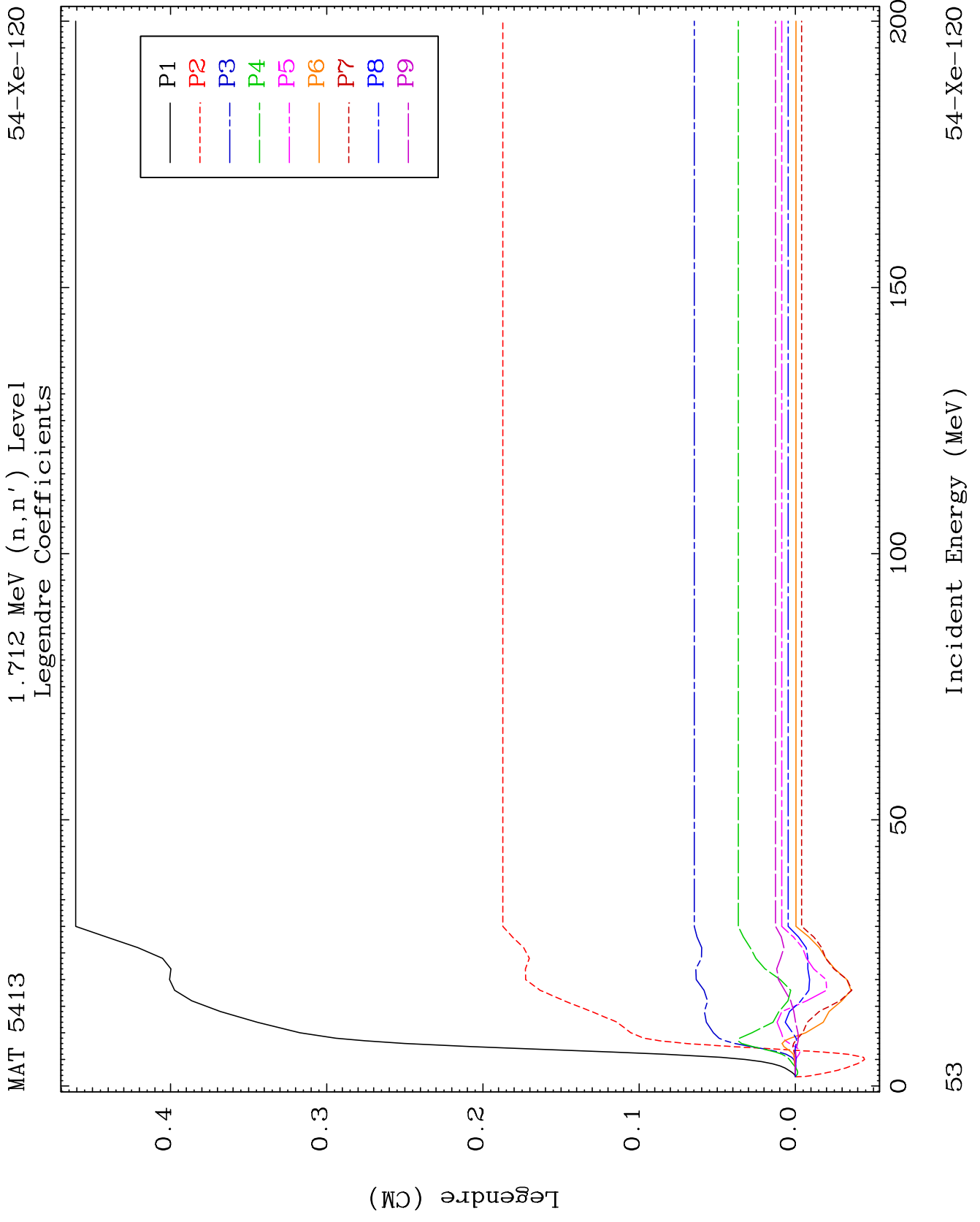
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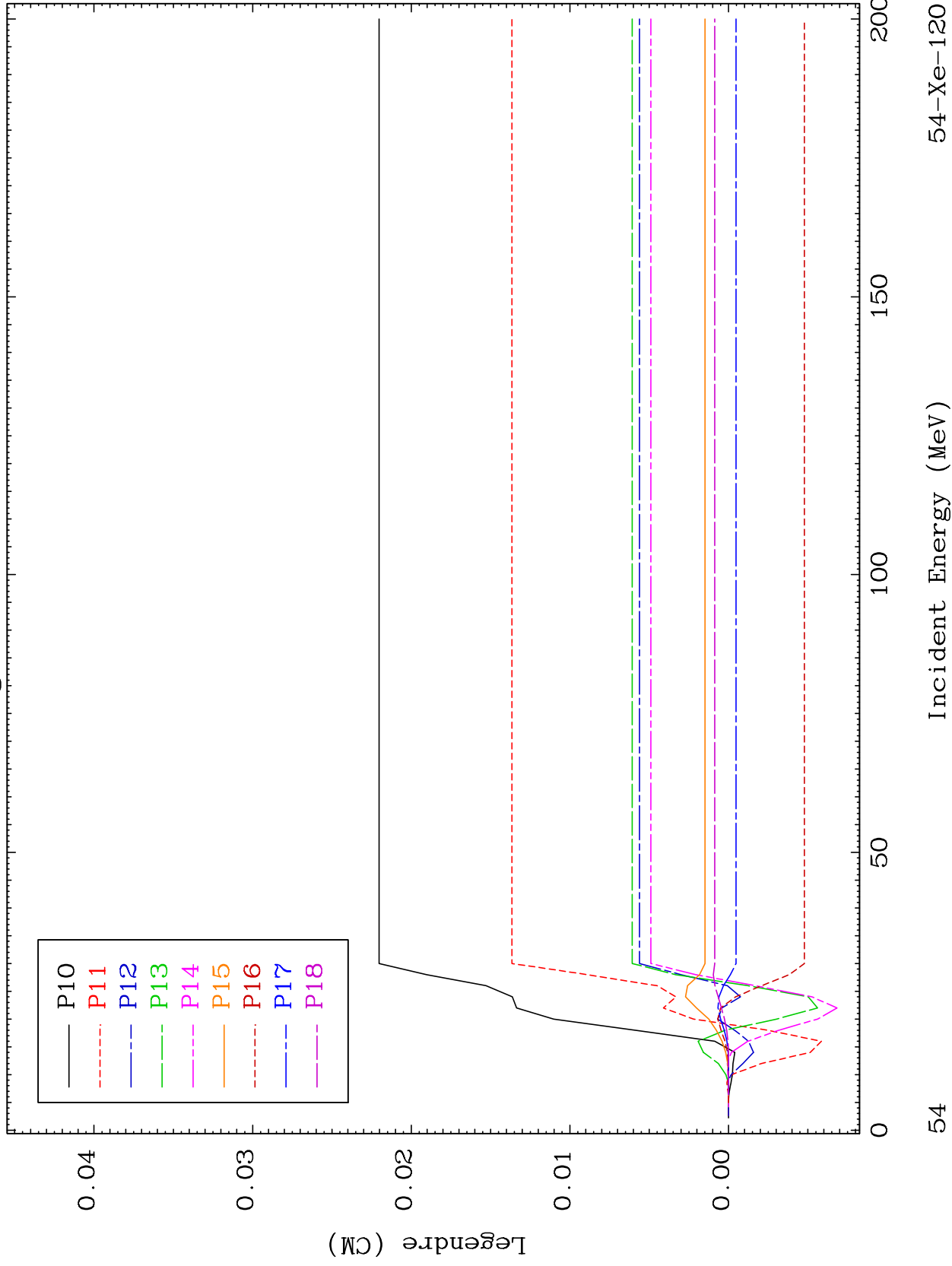




MAT 5413

1.712 MeV (n,n') Level  
Legendre Coefficients

54-Xe-120



54

Incident Energy (MeV)

54-Xe-120

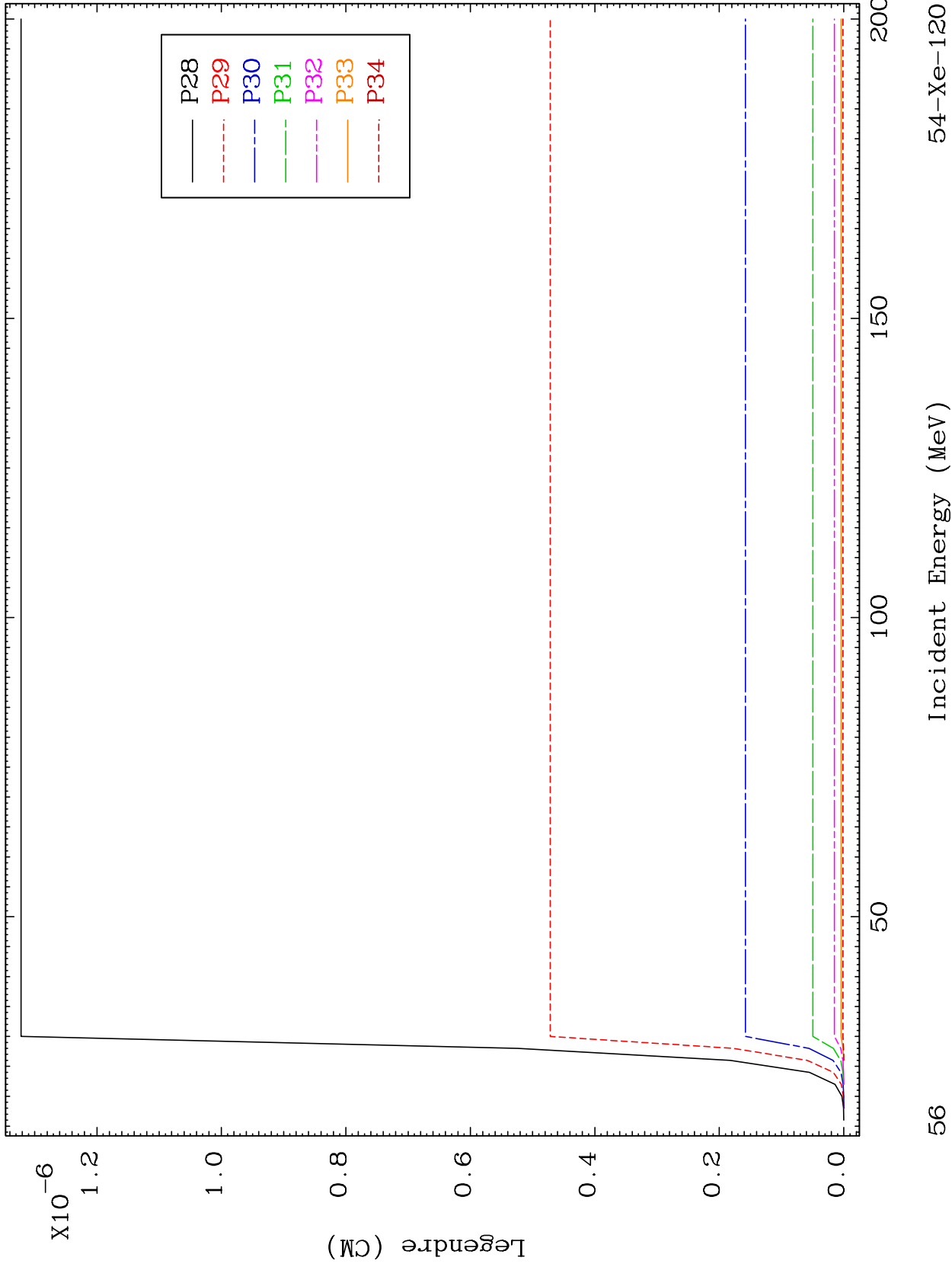




MAT 5413

1.712 MeV (n,n') Level  
Legendre Coefficients

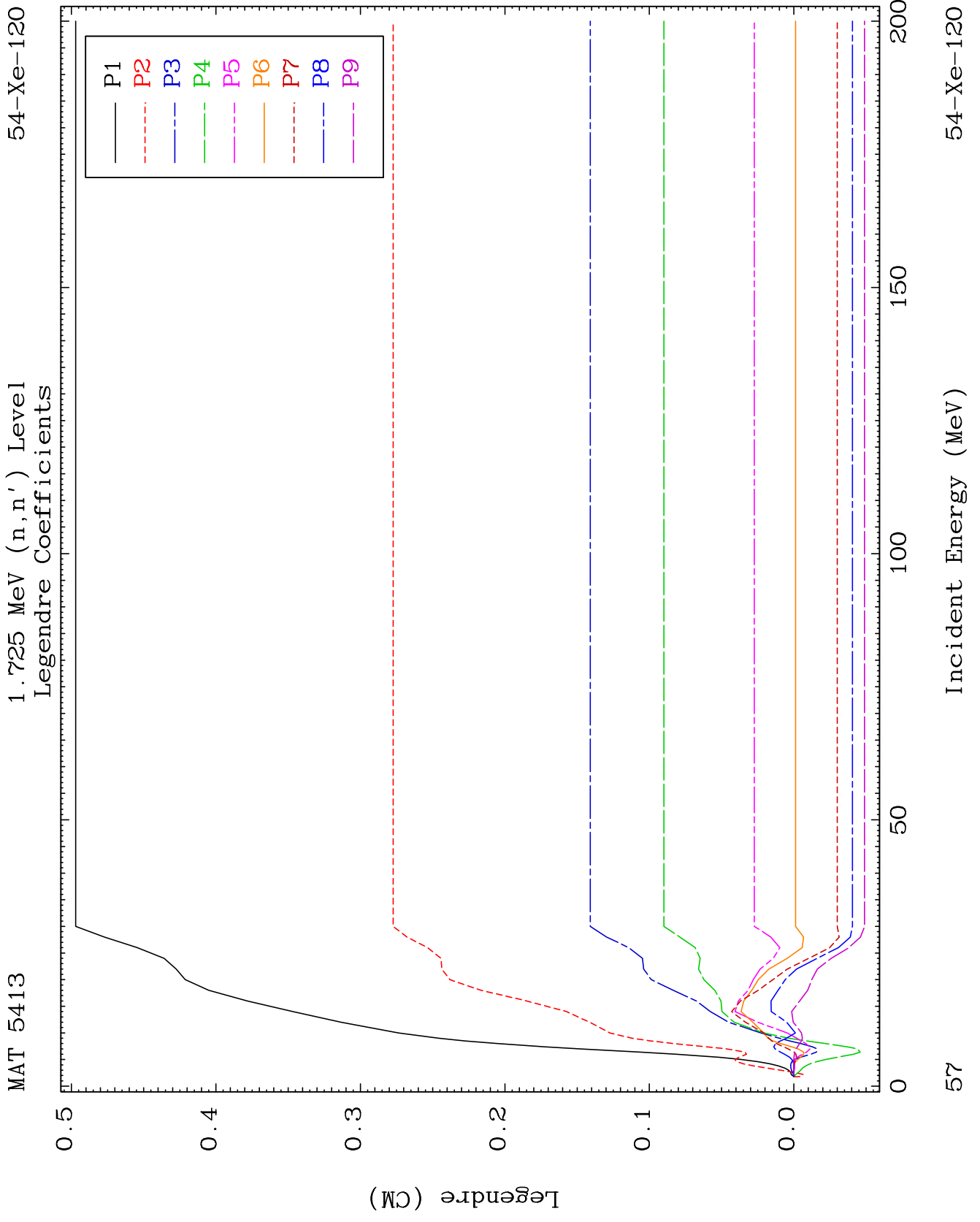
54-Xe-120



56

Incident Energy (MeV)

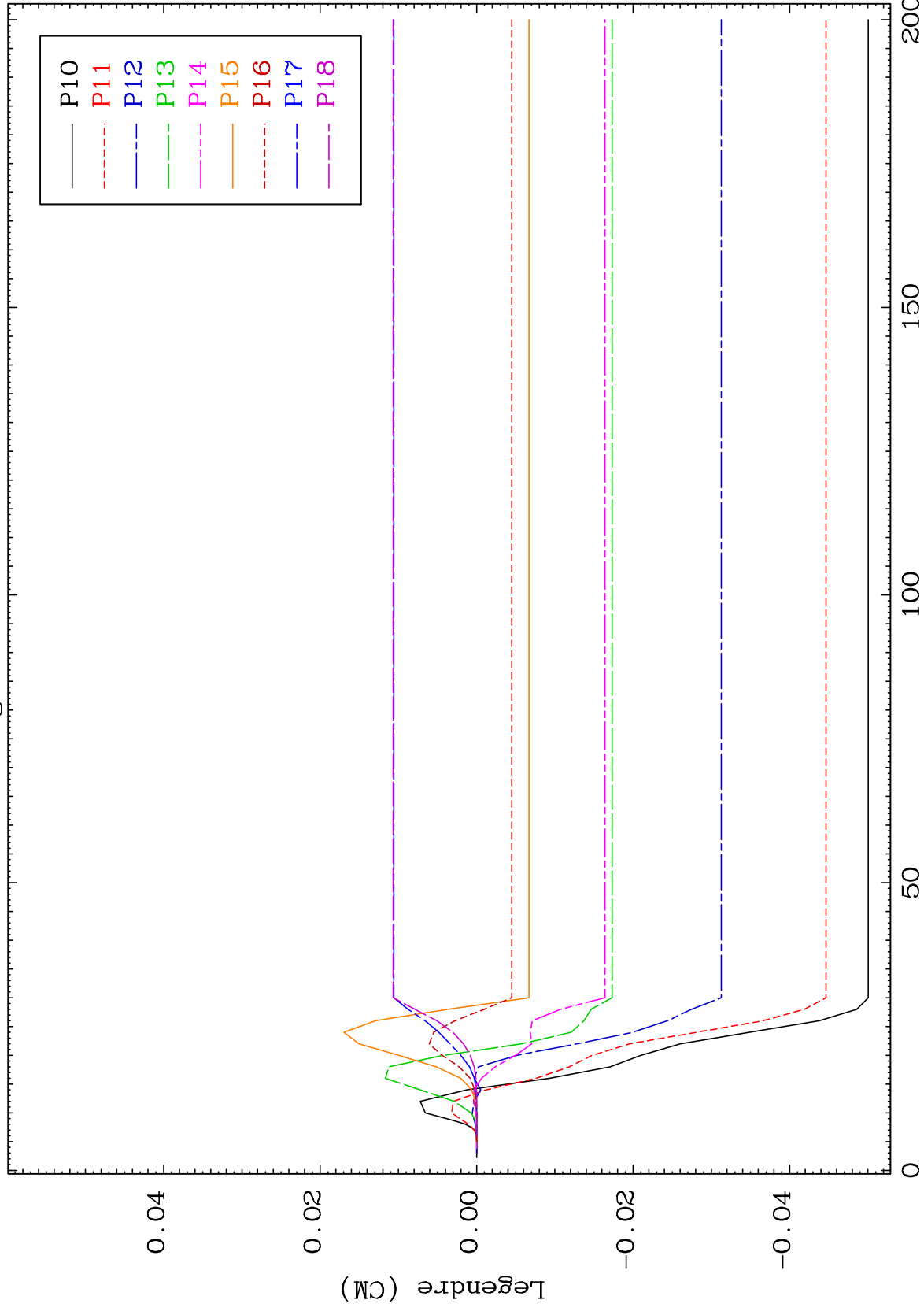
54-Xe-120



MAT 5413

1.725 MeV (n,n') Level  
Legendre Coefficients

54-Xe-120



58

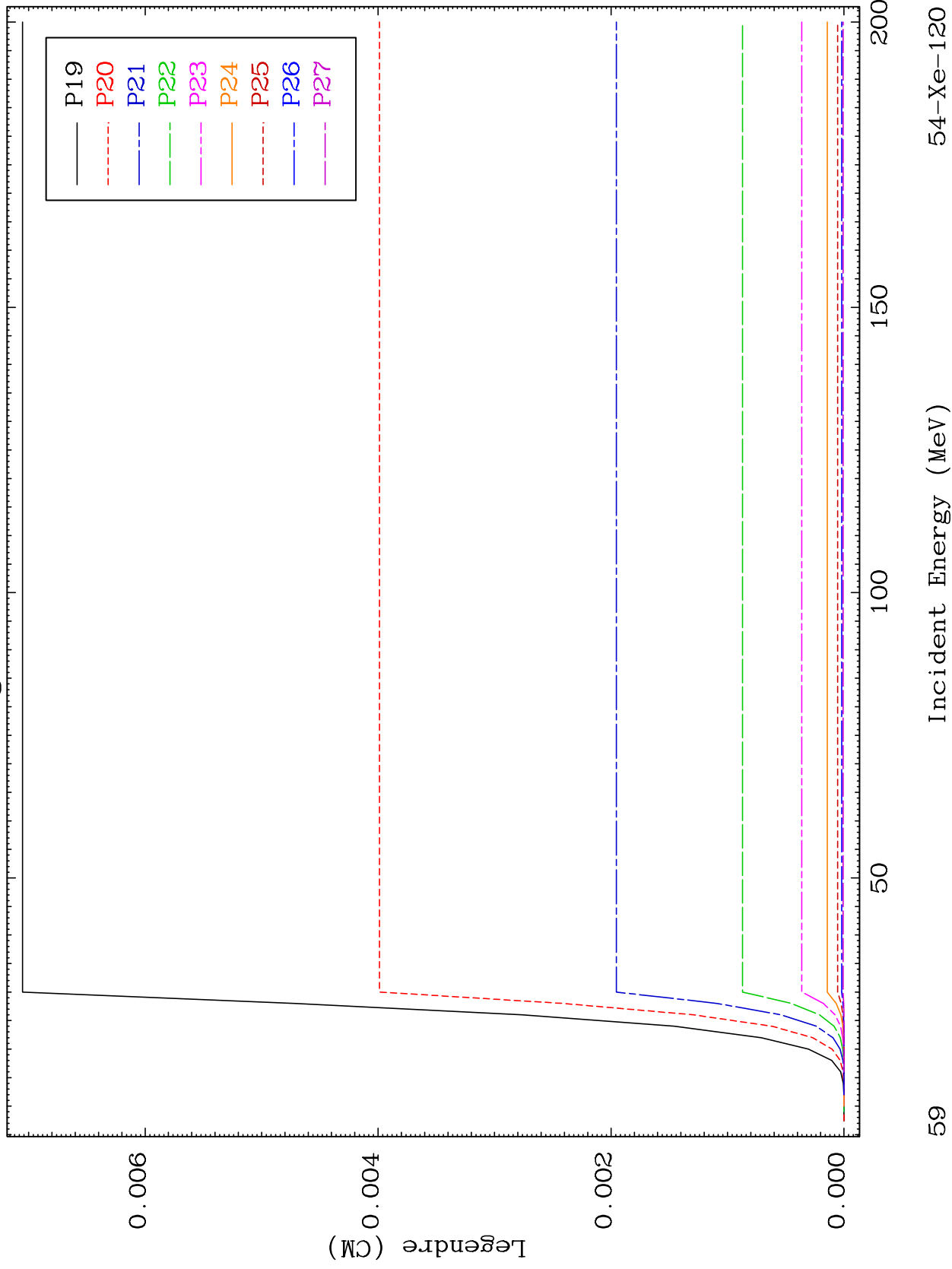
Incident Energy (MeV)

54-Xe-120

MAT 5413

1.725 MeV (n,n') Level  
Legendre Coefficients

54-Xe-120



59

Incident Energy (MeV)

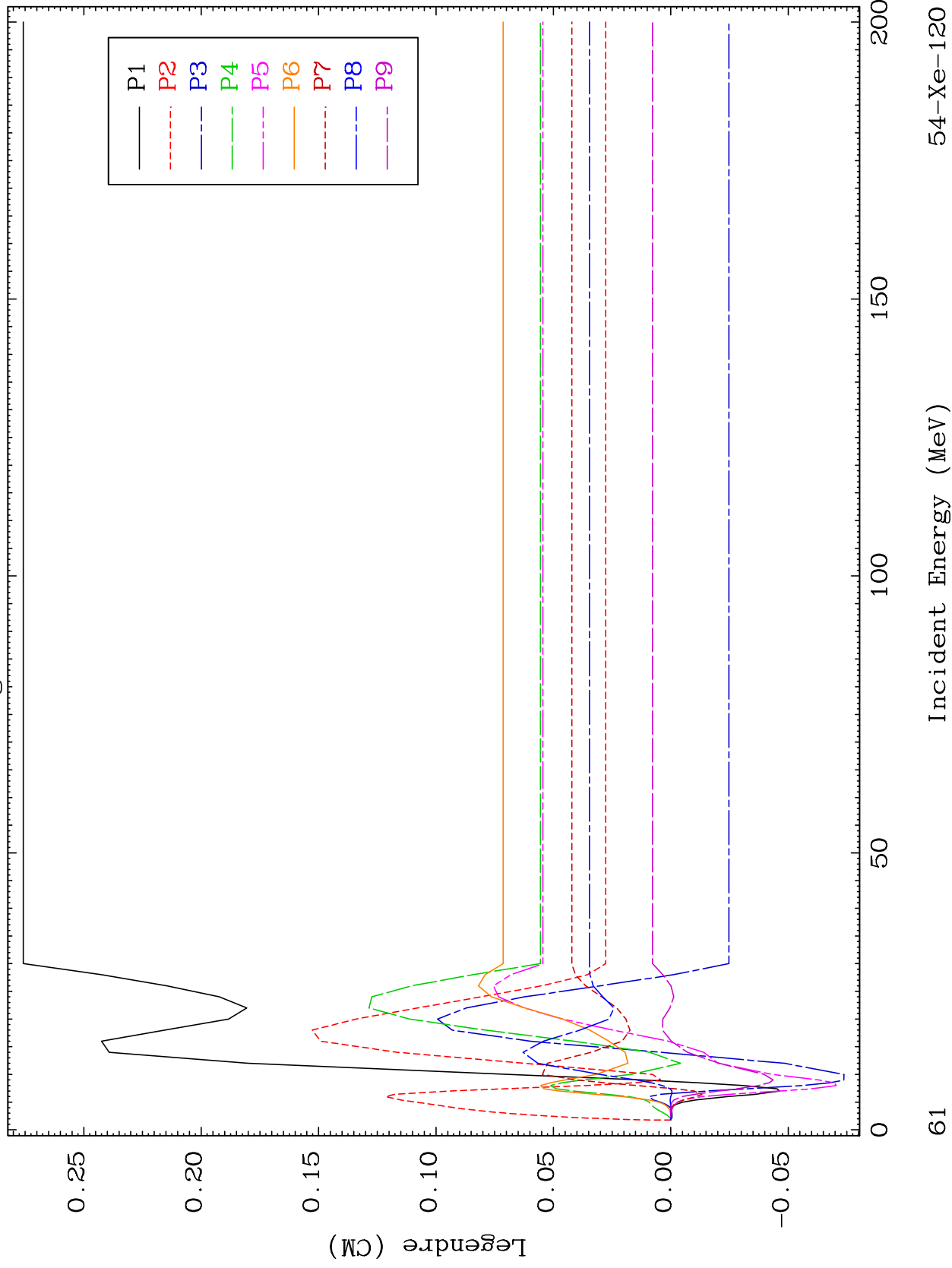
54-Xe-120



MAT 5413

1.745 MeV (n, n') Level  
Legendre Coefficients

54-Xe-120



61

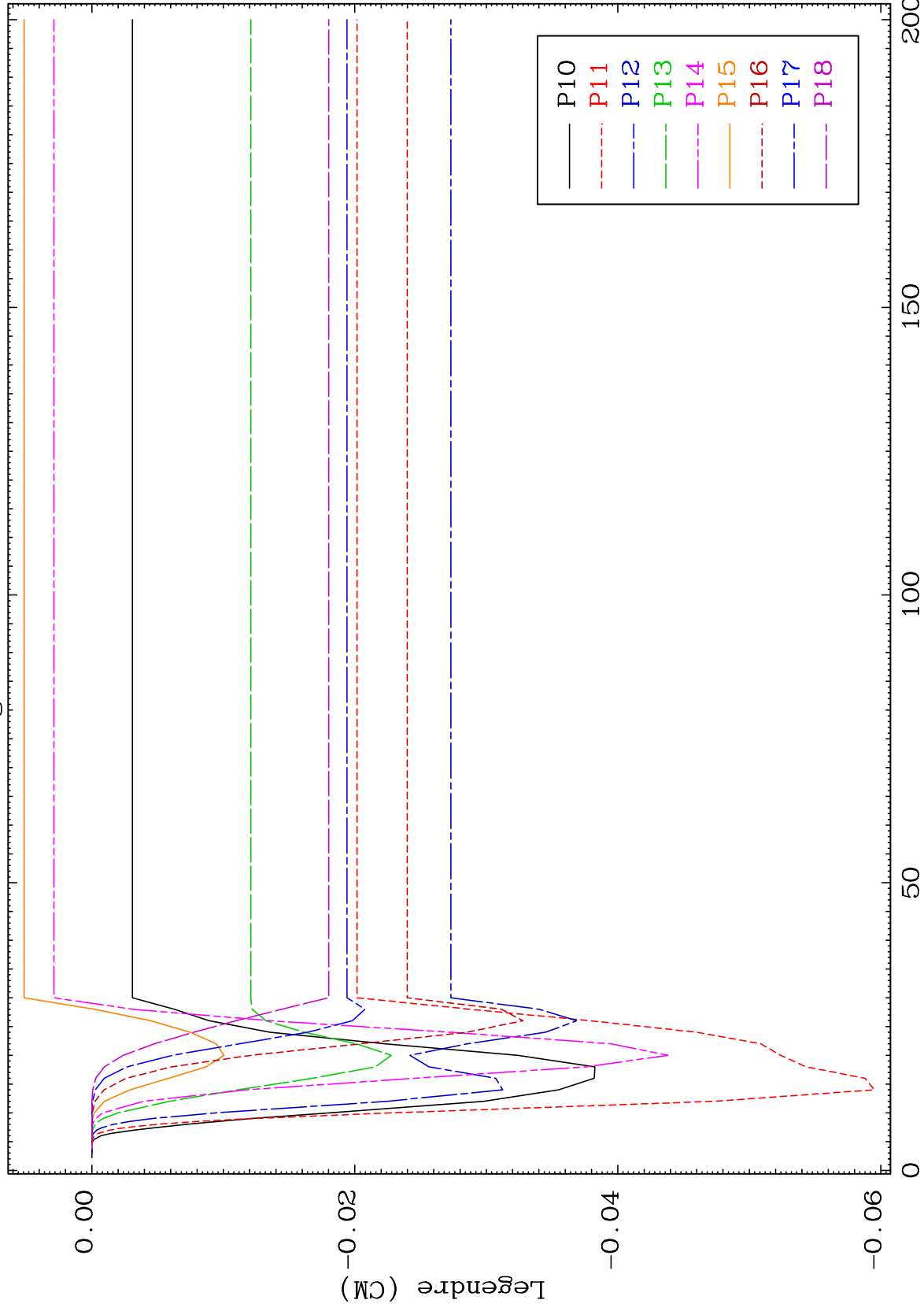
Incident Energy (MeV)

54-Xe-120

MAT 5413

1.745 MeV (n,n') Level  
Legendre Coefficients

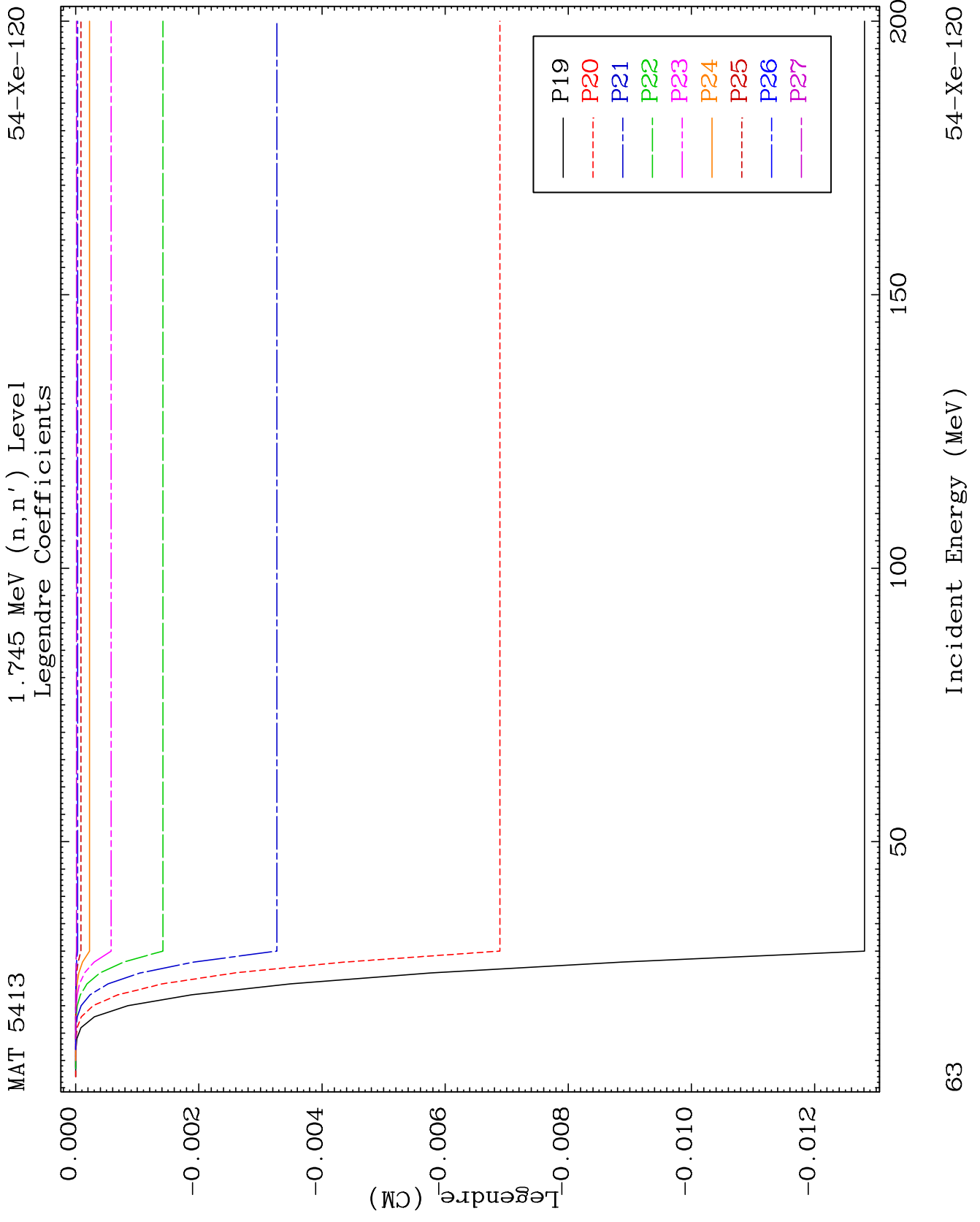
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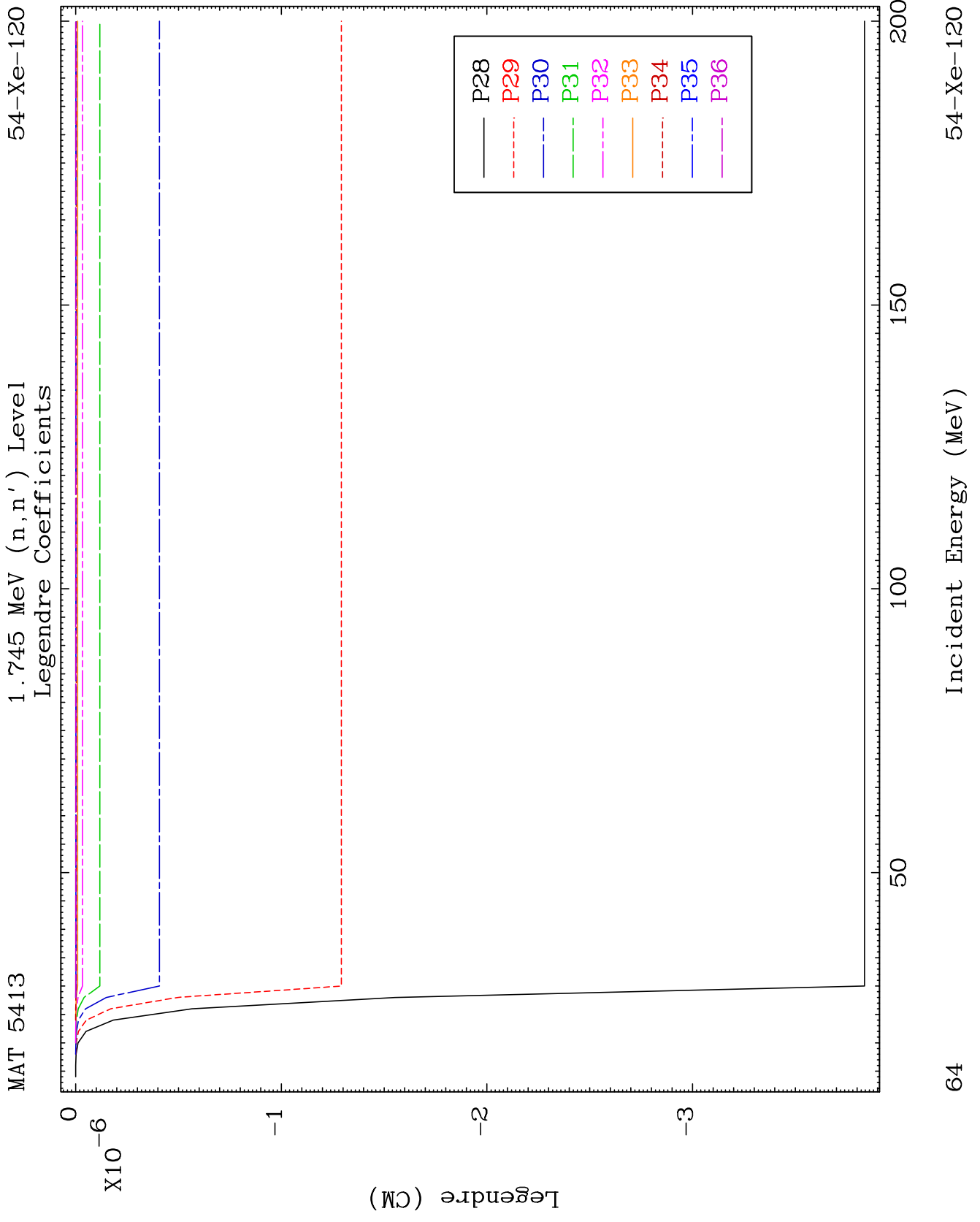
62

Incident Energy (MeV)

54-Xe-120



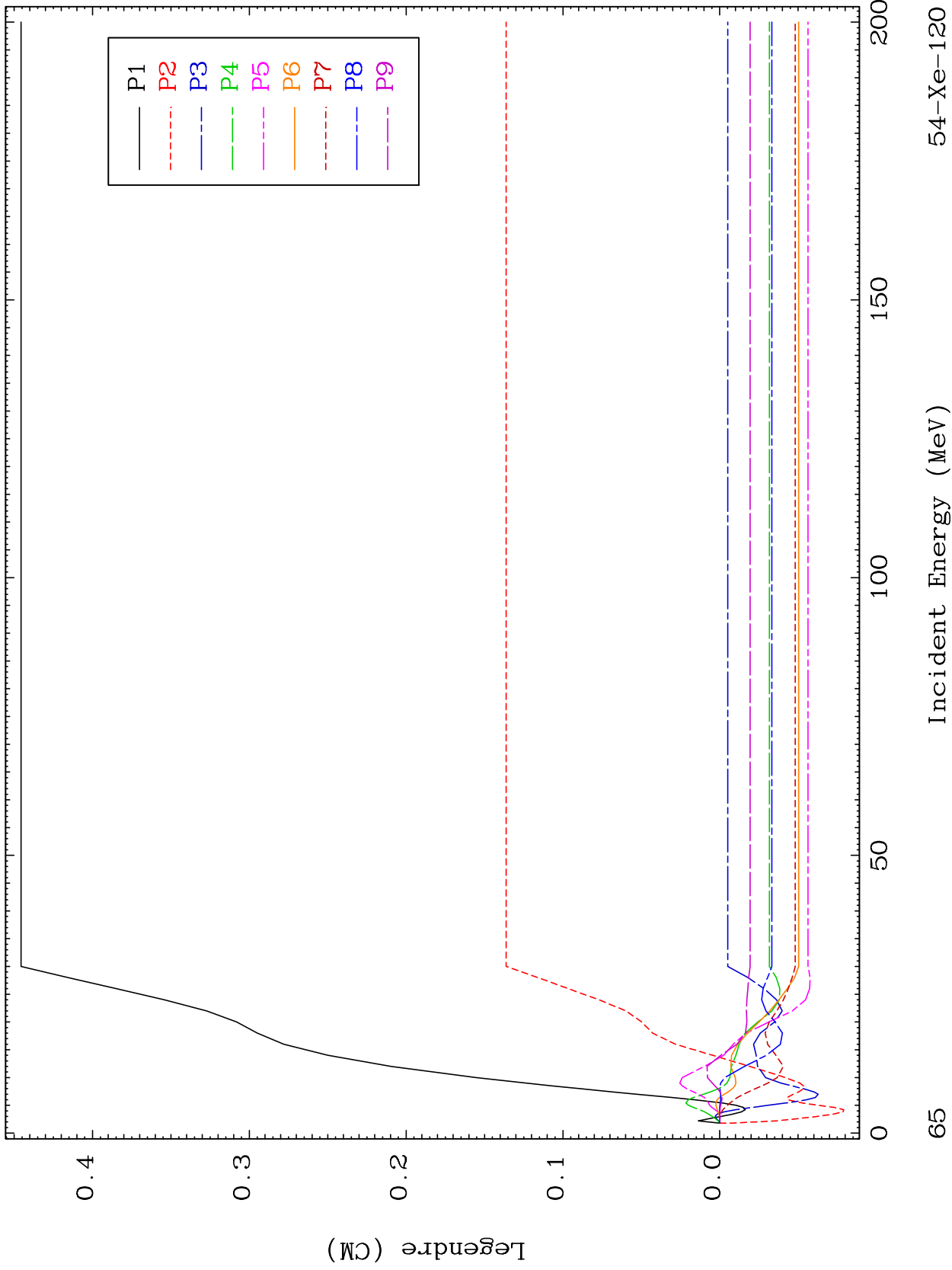




MAT 5413

1.768 MeV (n, n') Level  
Legendre Coefficients

54-Xe-120



54-Xe-120

Incident Energy (MeV)

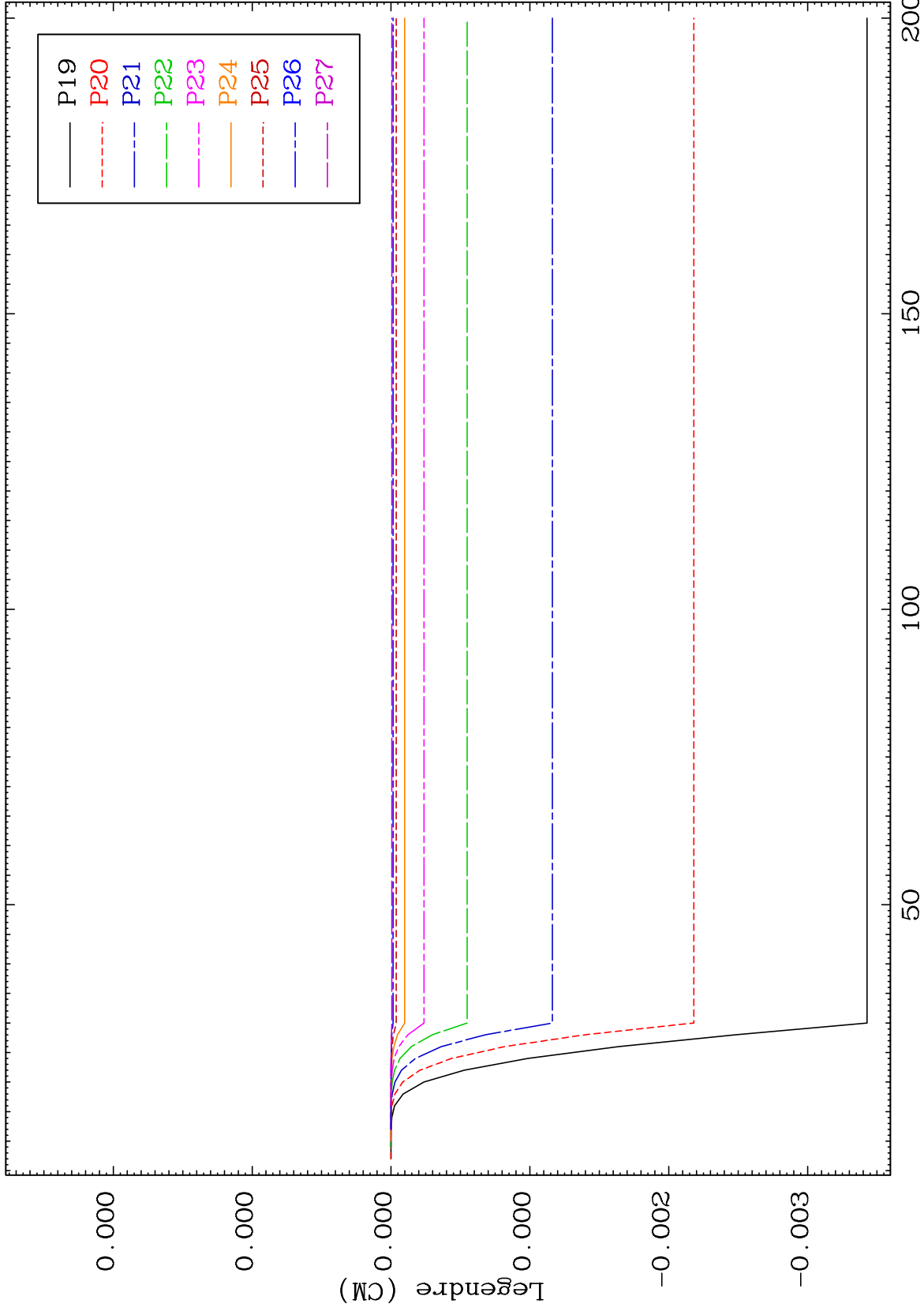
65



MAT 5413

1.768 MeV (n,n') Level  
Legendre Coefficients

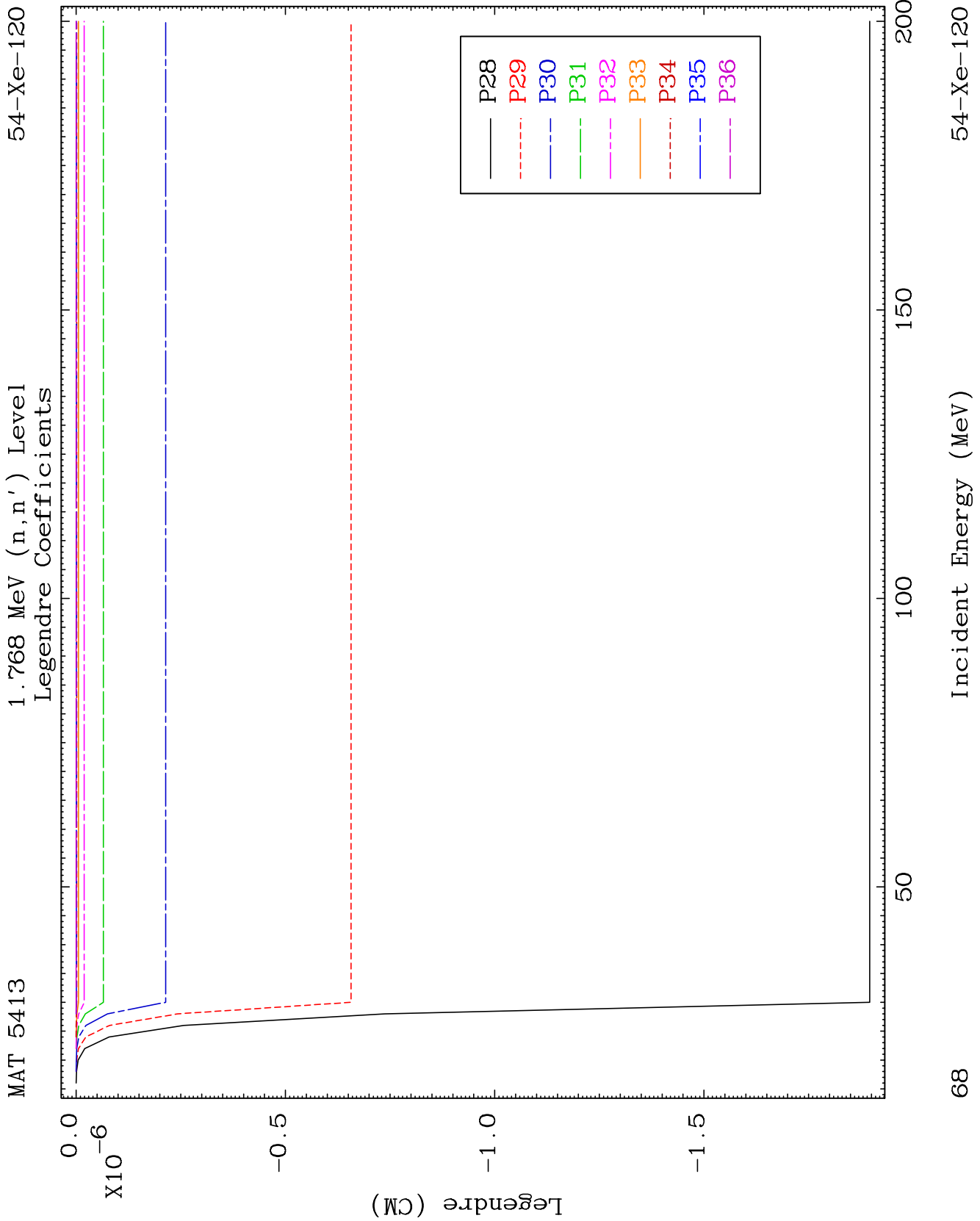
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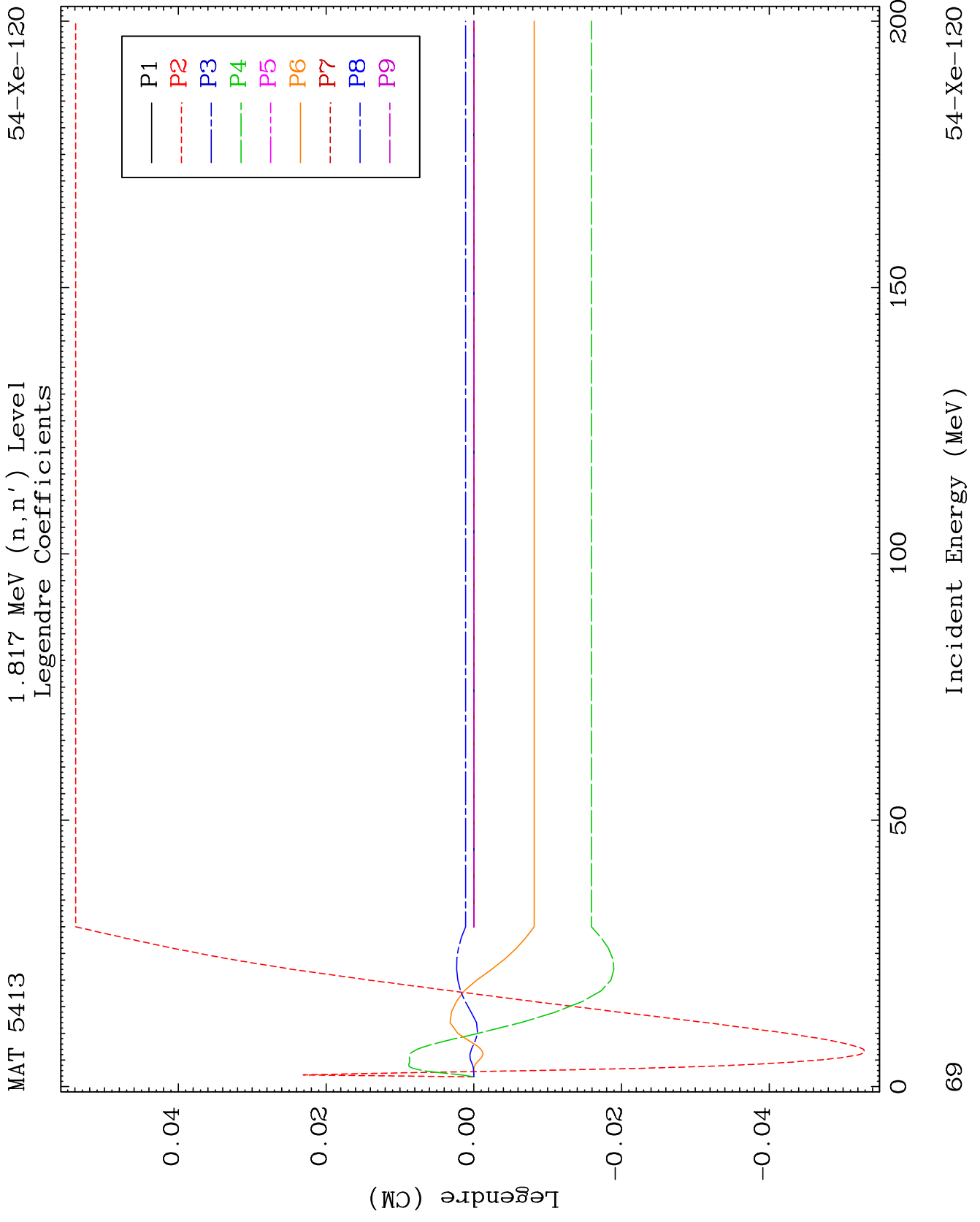


67

Incident Energy (MeV)

54-Xe-120

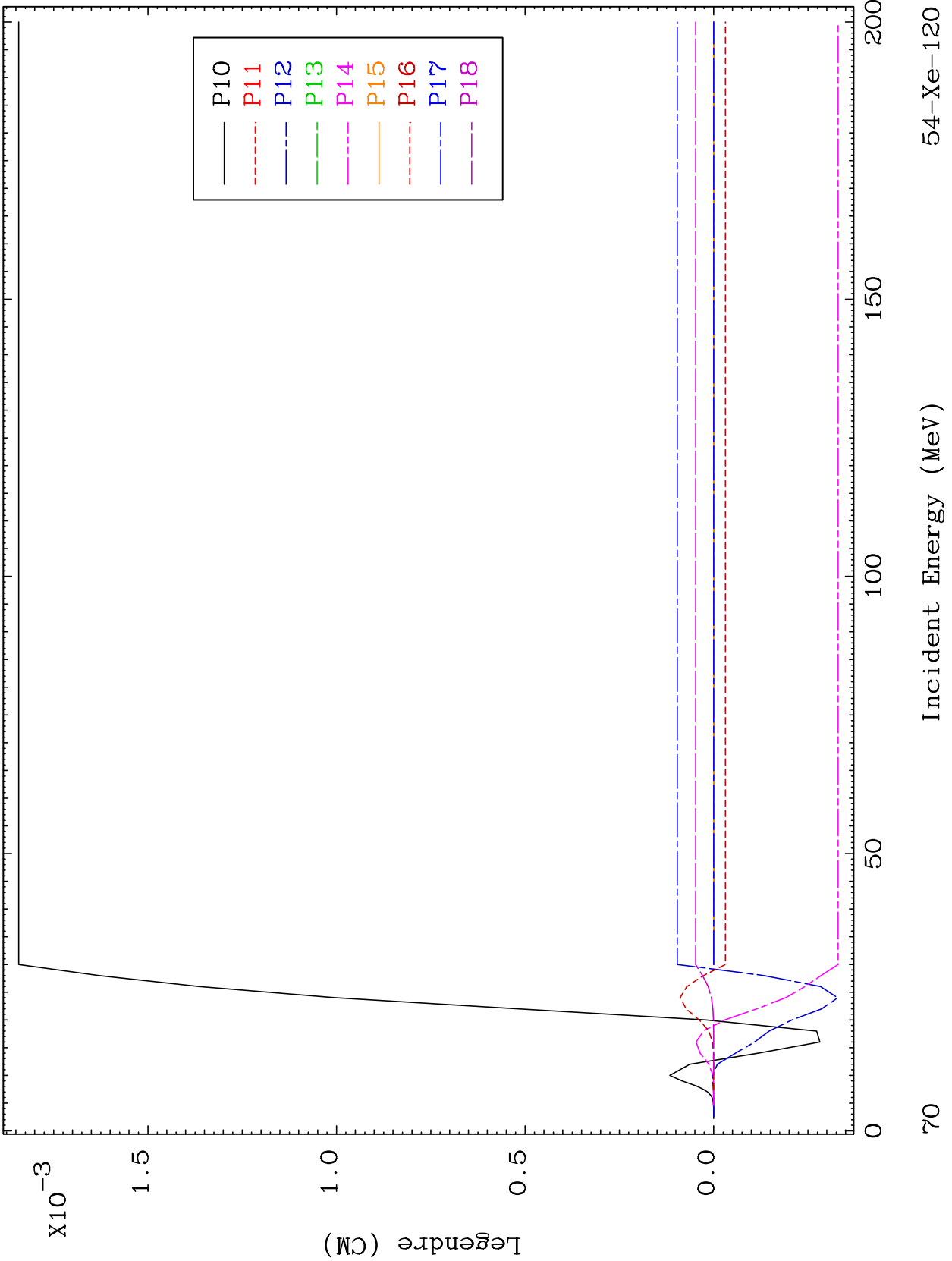




MAT 5413

1.817 MeV (n,n') Level  
Legendre Coefficients

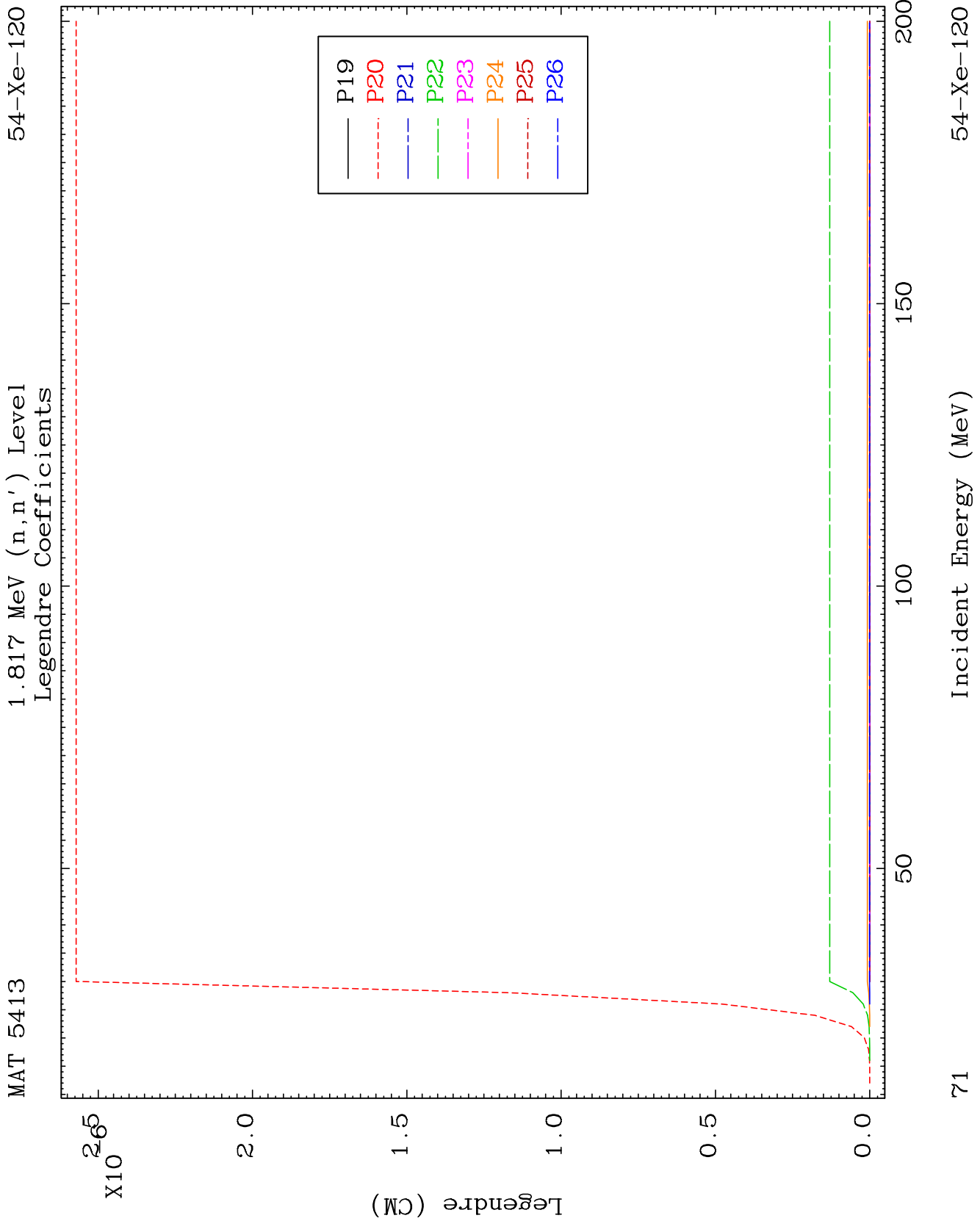
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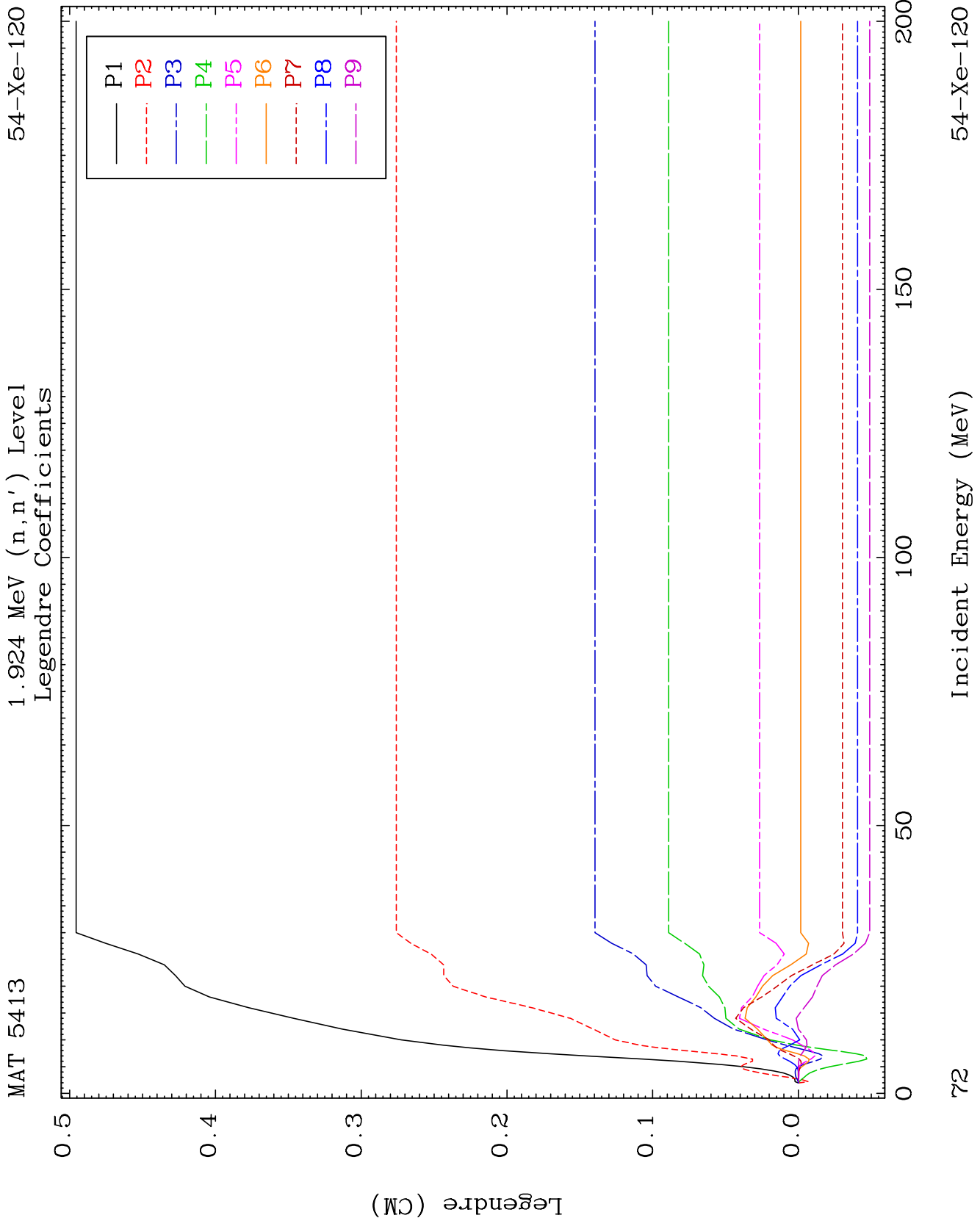
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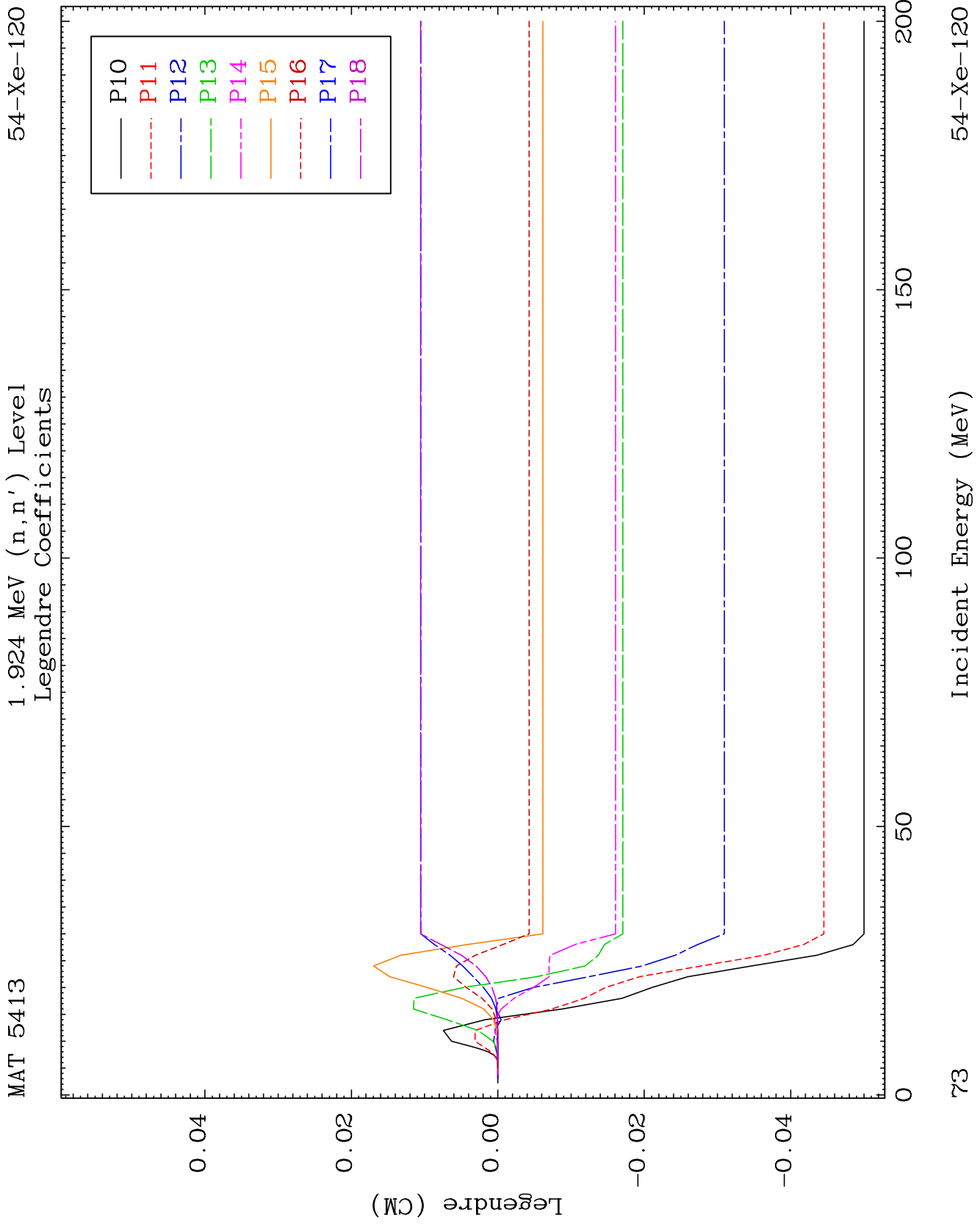
Incident Energy (MeV)

70





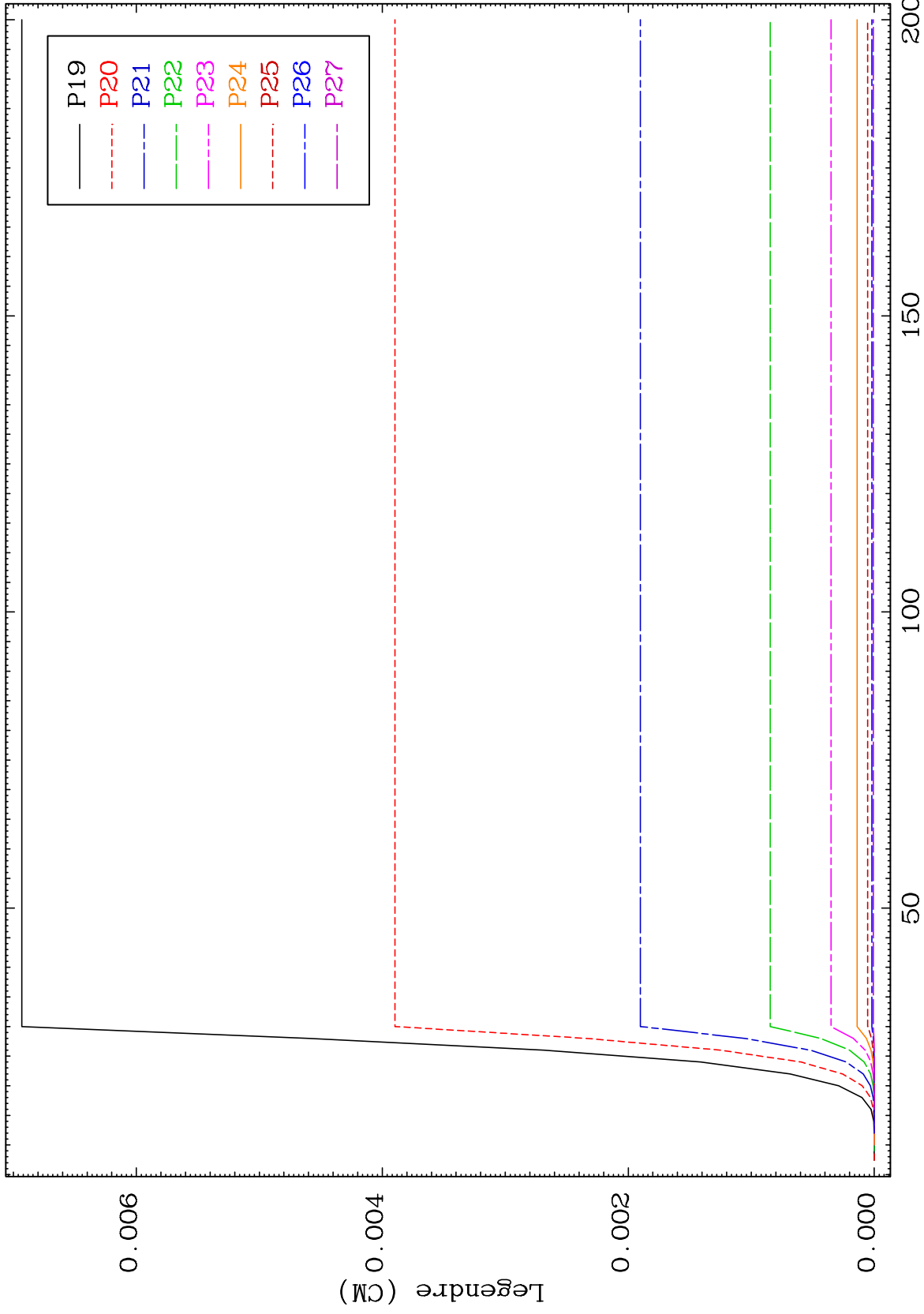




MAT 5413

1.924 MeV (n,n') Level  
Legendre Coefficients

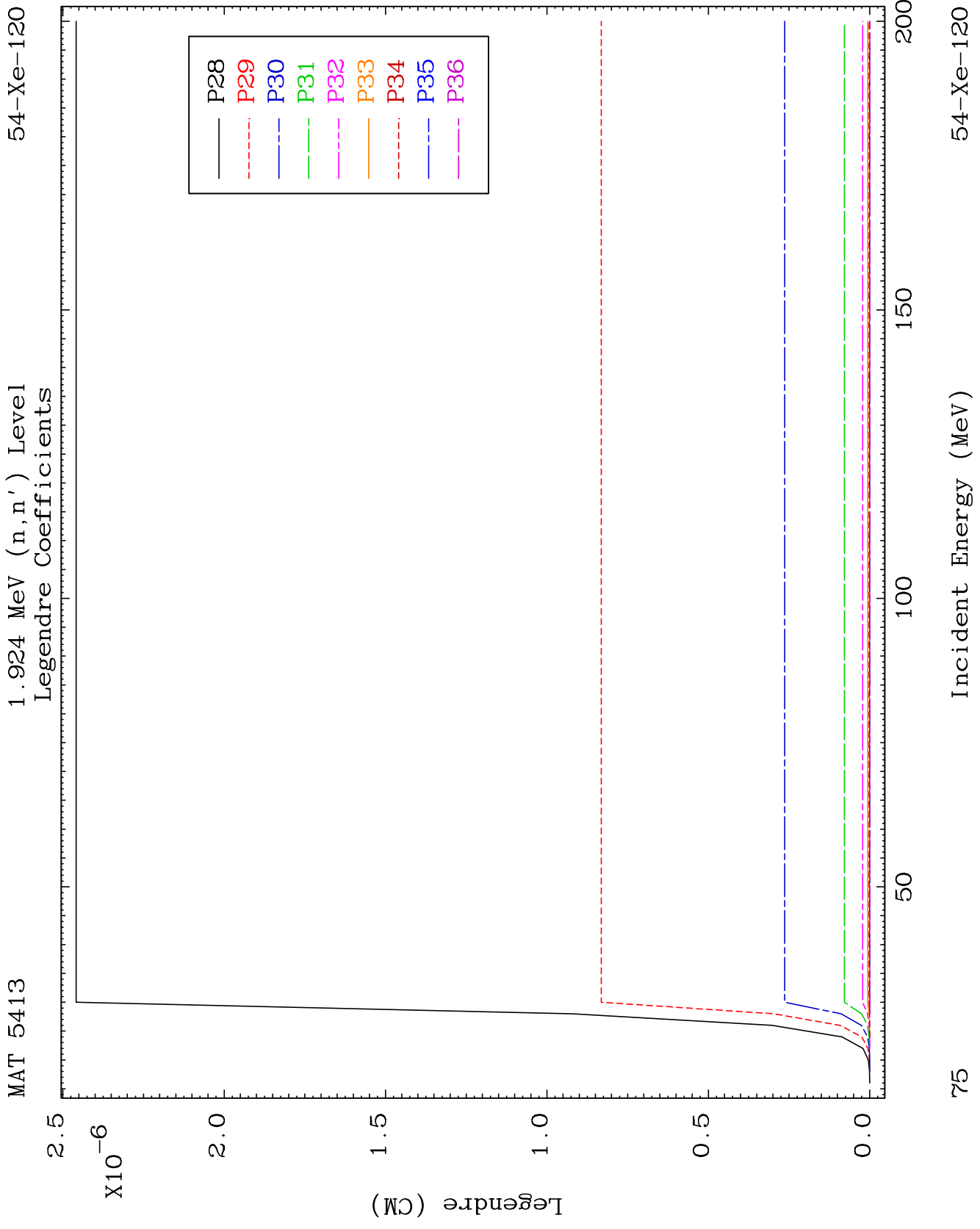
54-Xe-120

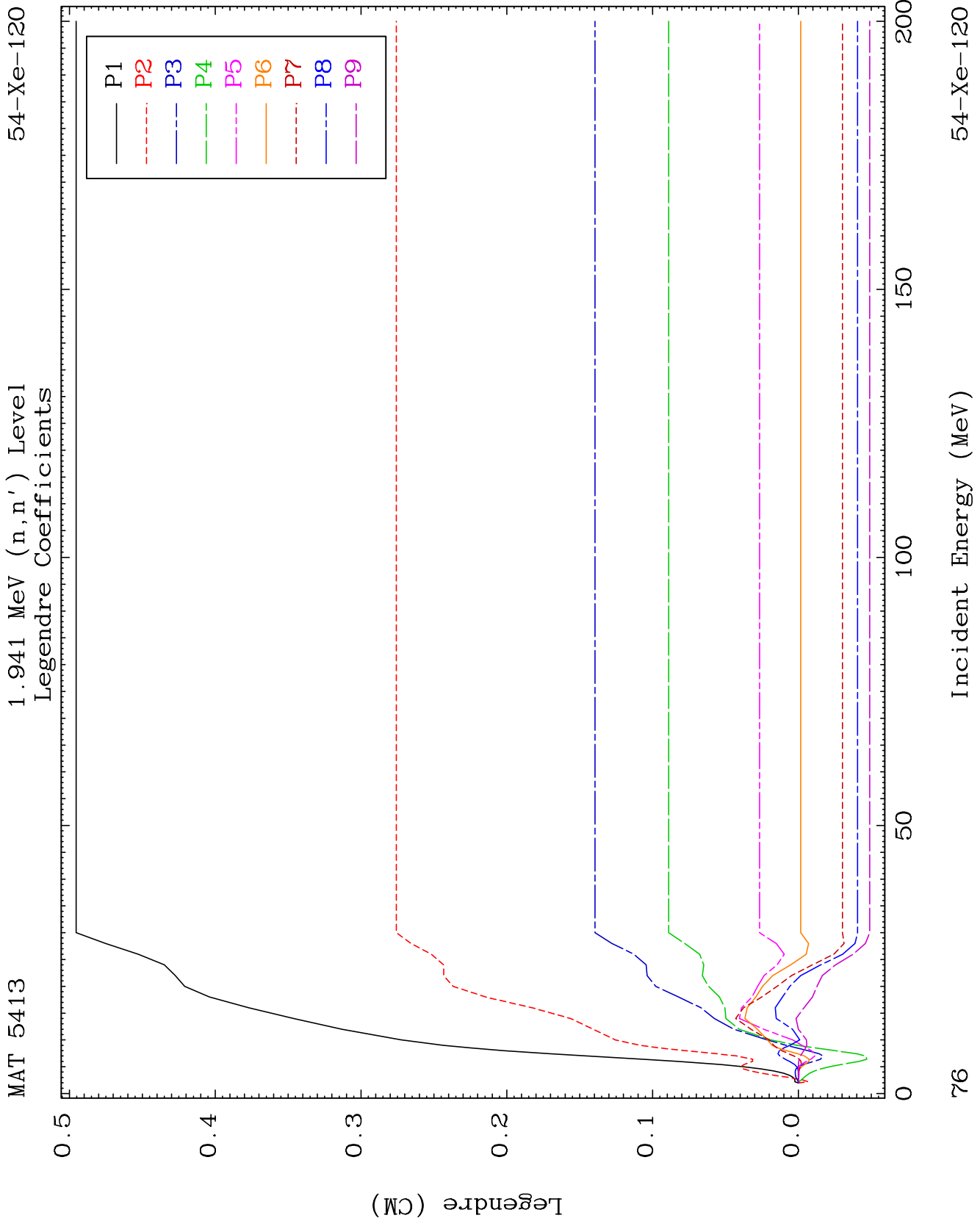


74

Incident Energy (MeV)

54-Xe-120





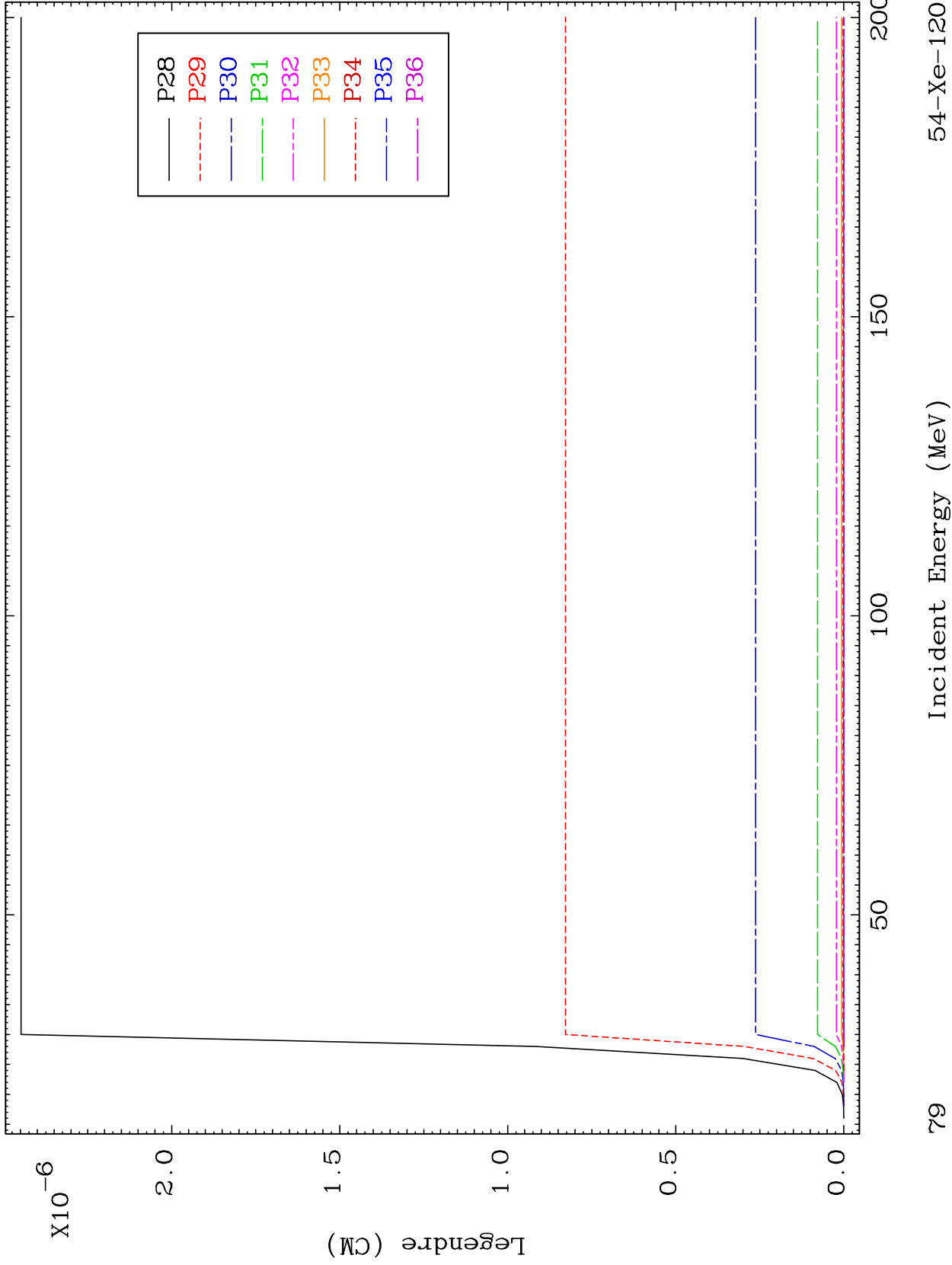




MAT 5413

1.941 MeV (n,n') Level  
Legendre Coefficients

54-Xe-120



79

Incident Energy (MeV)

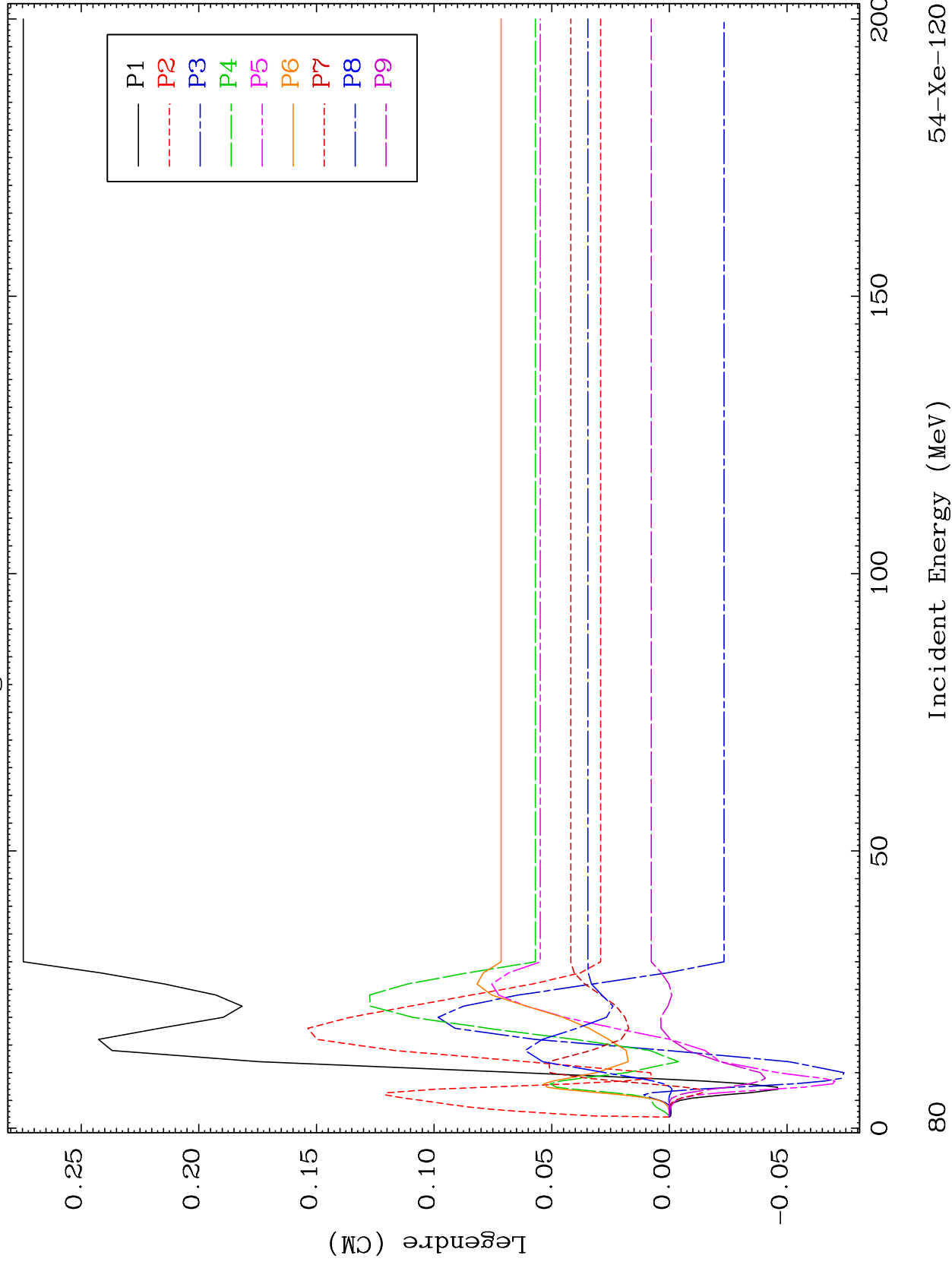
54-Xe-120



MAT 5413

1.982 MeV (n,n') Level  
Legendre Coefficients

54-Xe-120



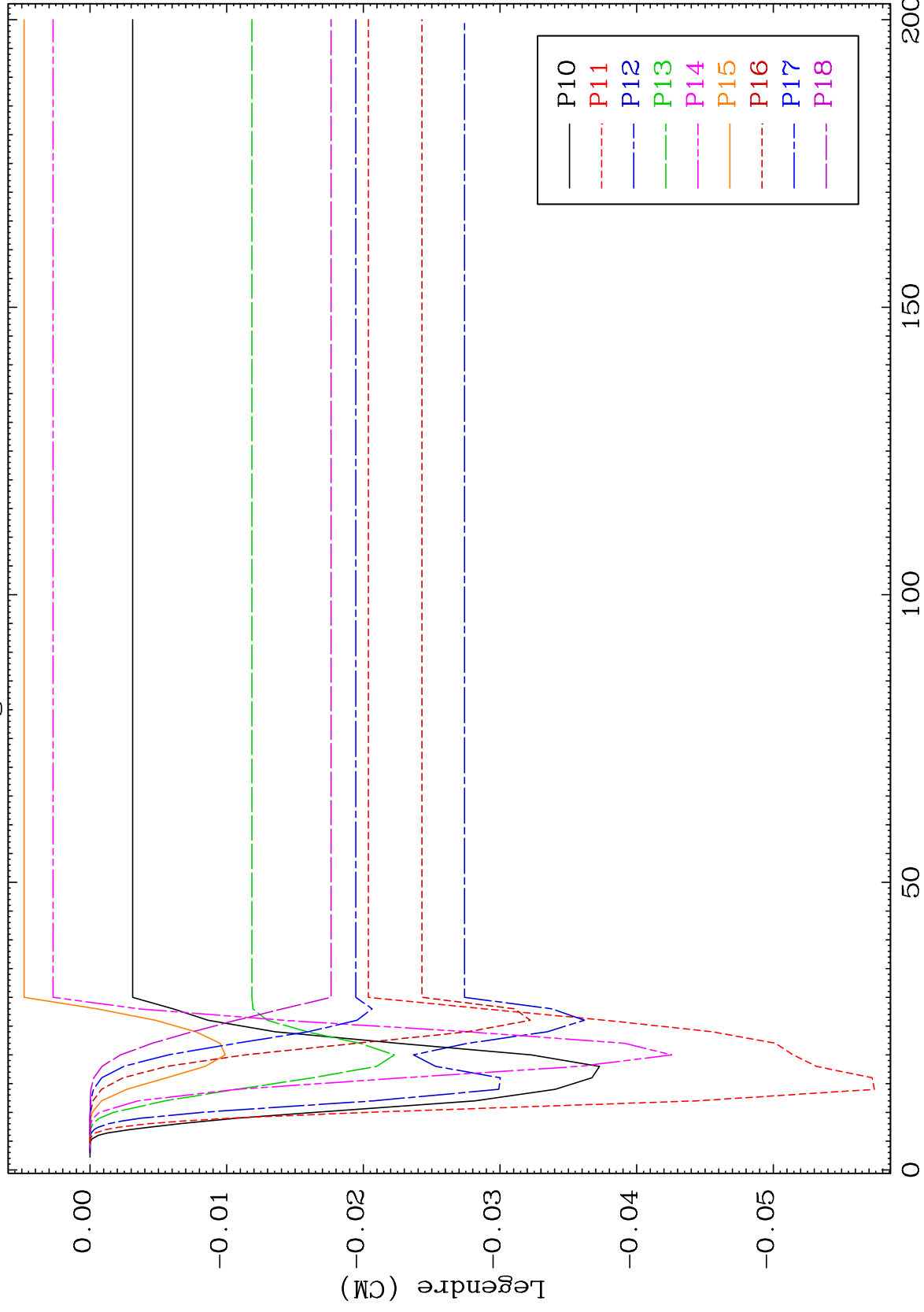
54-Xe-120

Incident Energy (MeV)

MAT 5413

1.982 MeV (n,n') Level  
Legendre Coefficients

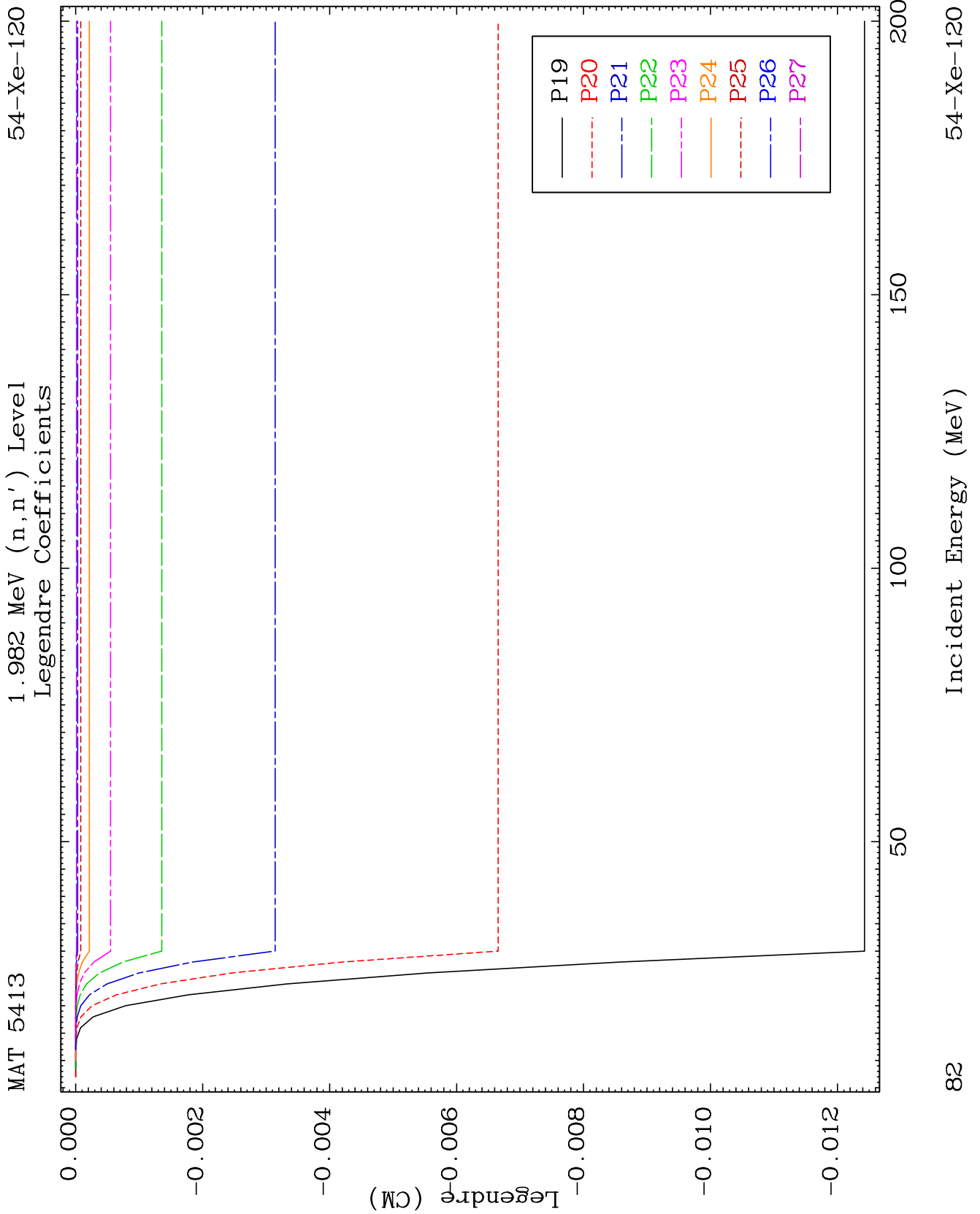
54-Xe-120

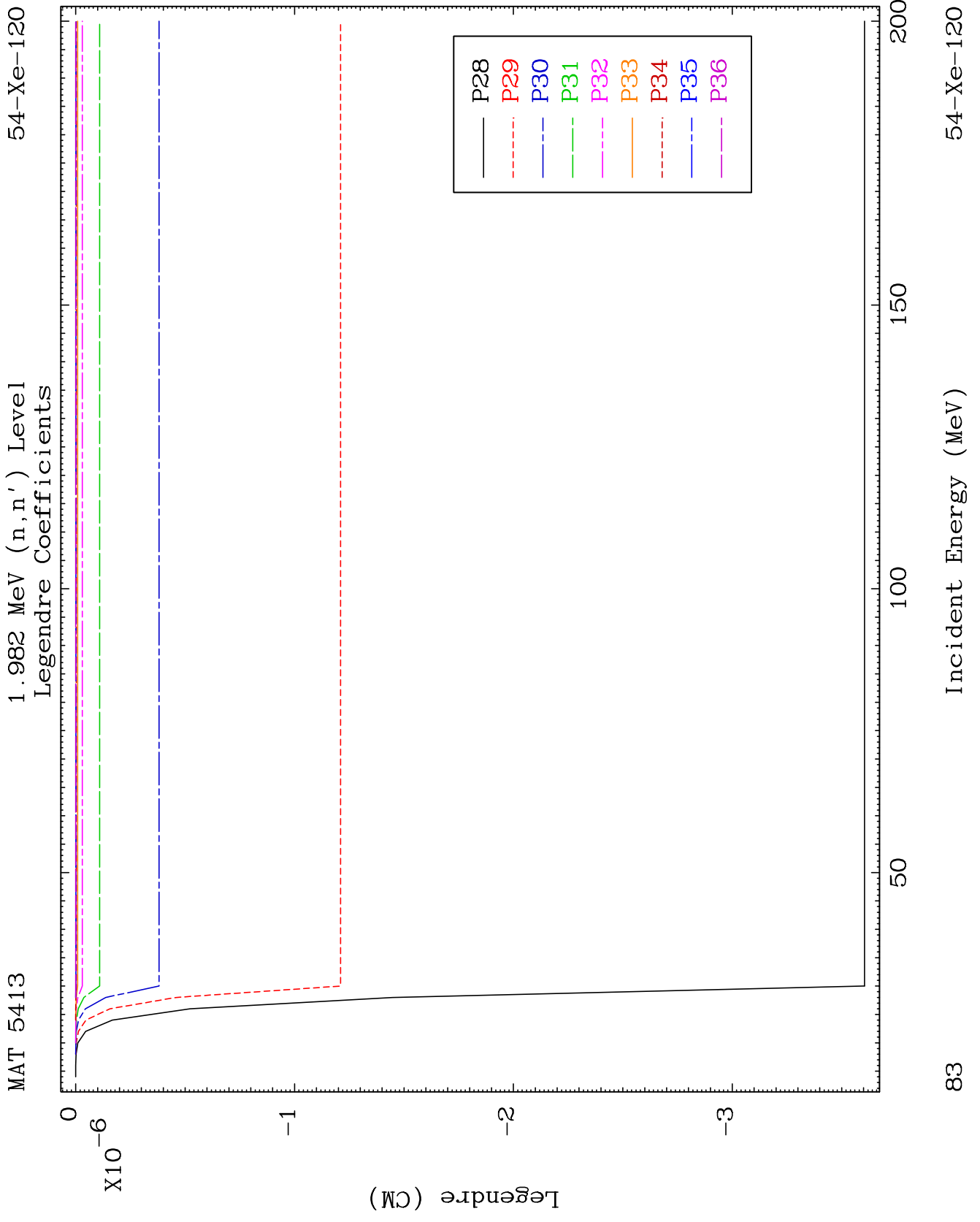


81

Incident Energy (MeV)

54-Xe-120

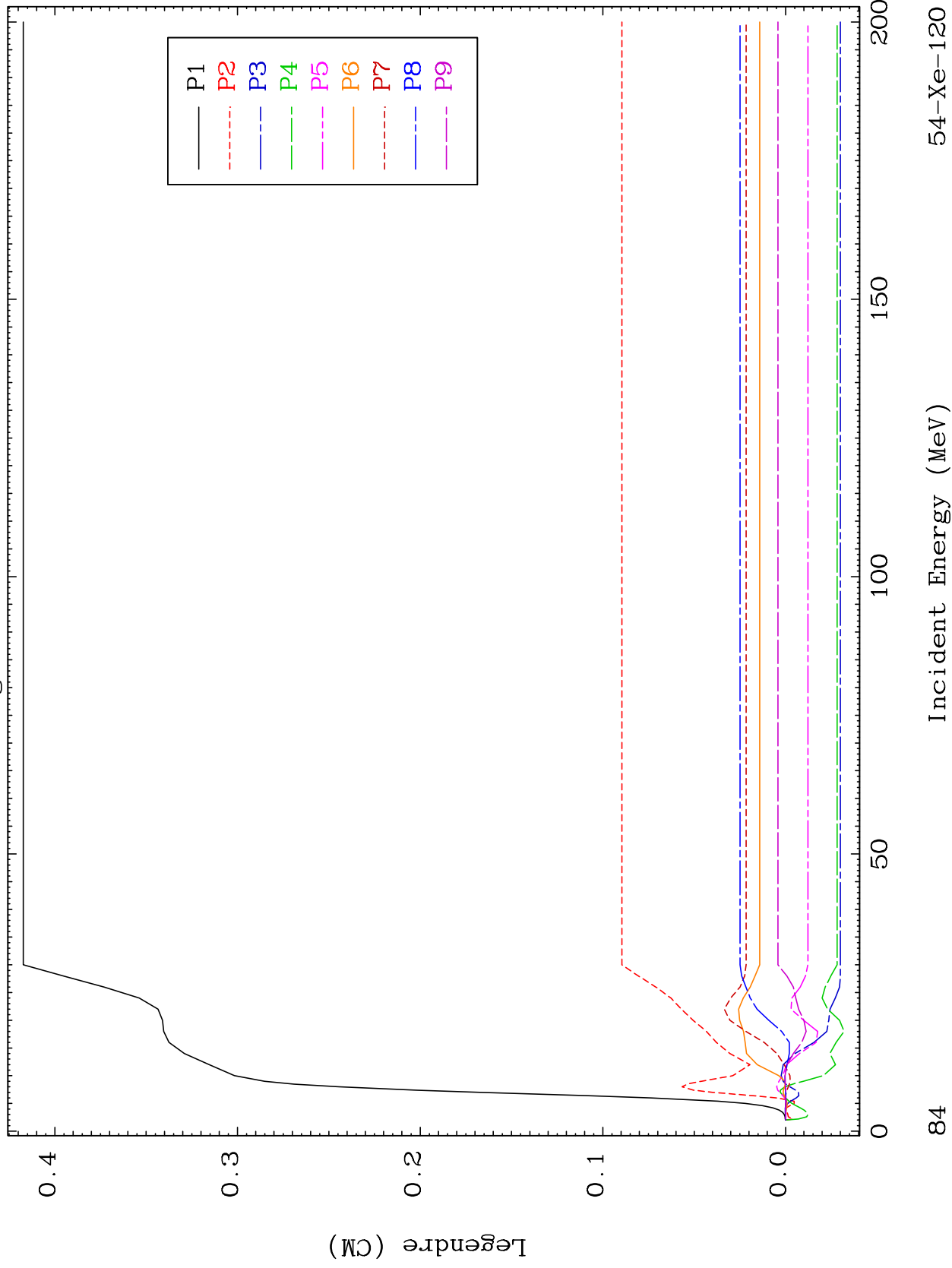




MAT 5413

1.986 MeV (n,n') Level  
Legendre Coefficients

54-Xe-120



84

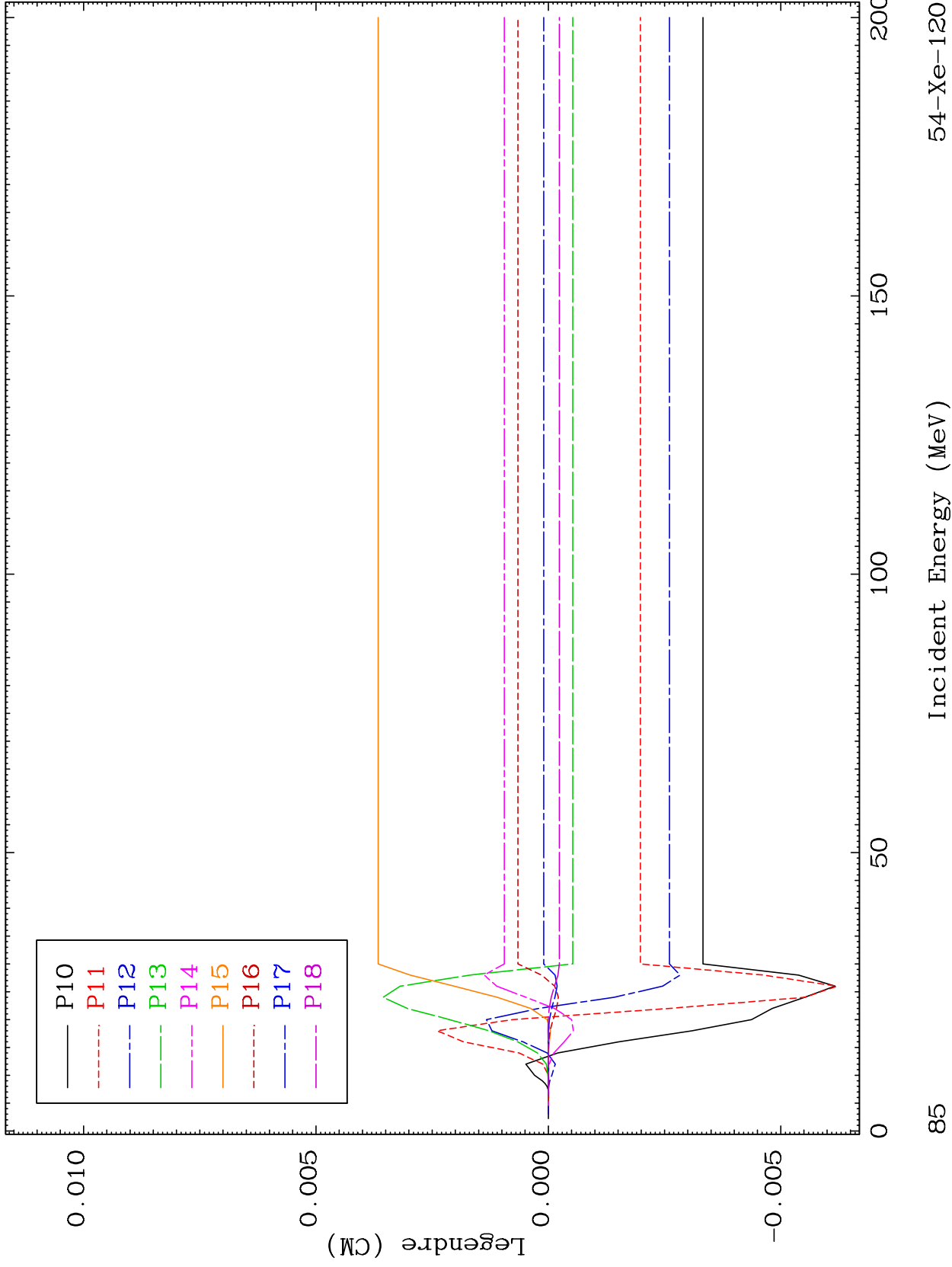
Incident Energy (MeV)

54-Xe-120

MAT 5413

1.986 MeV (n, n') Level  
Legendre Coefficients

54-Xe-120



54-Xe-120

Incident Energy (MeV)

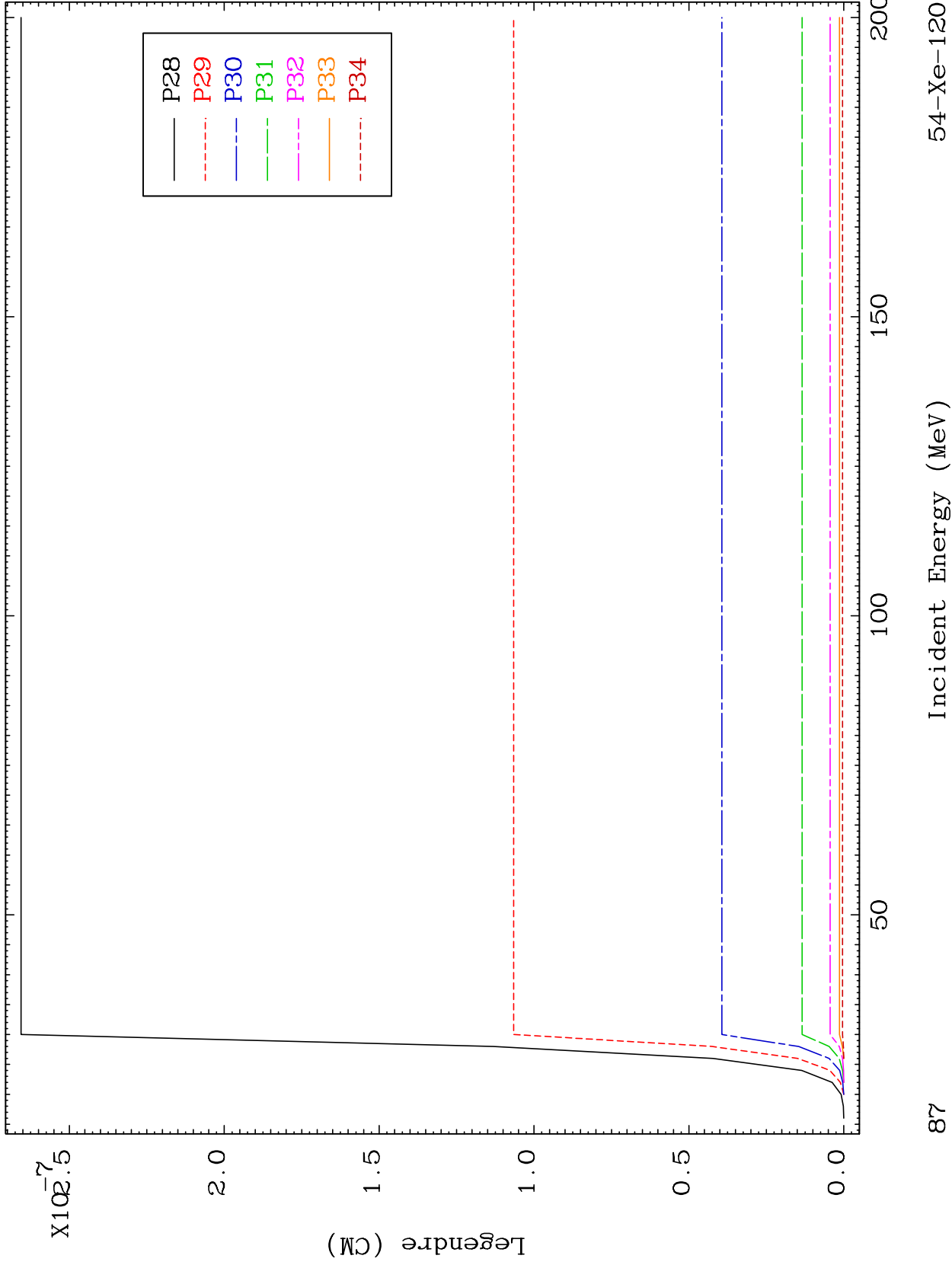
85



MAT 5413

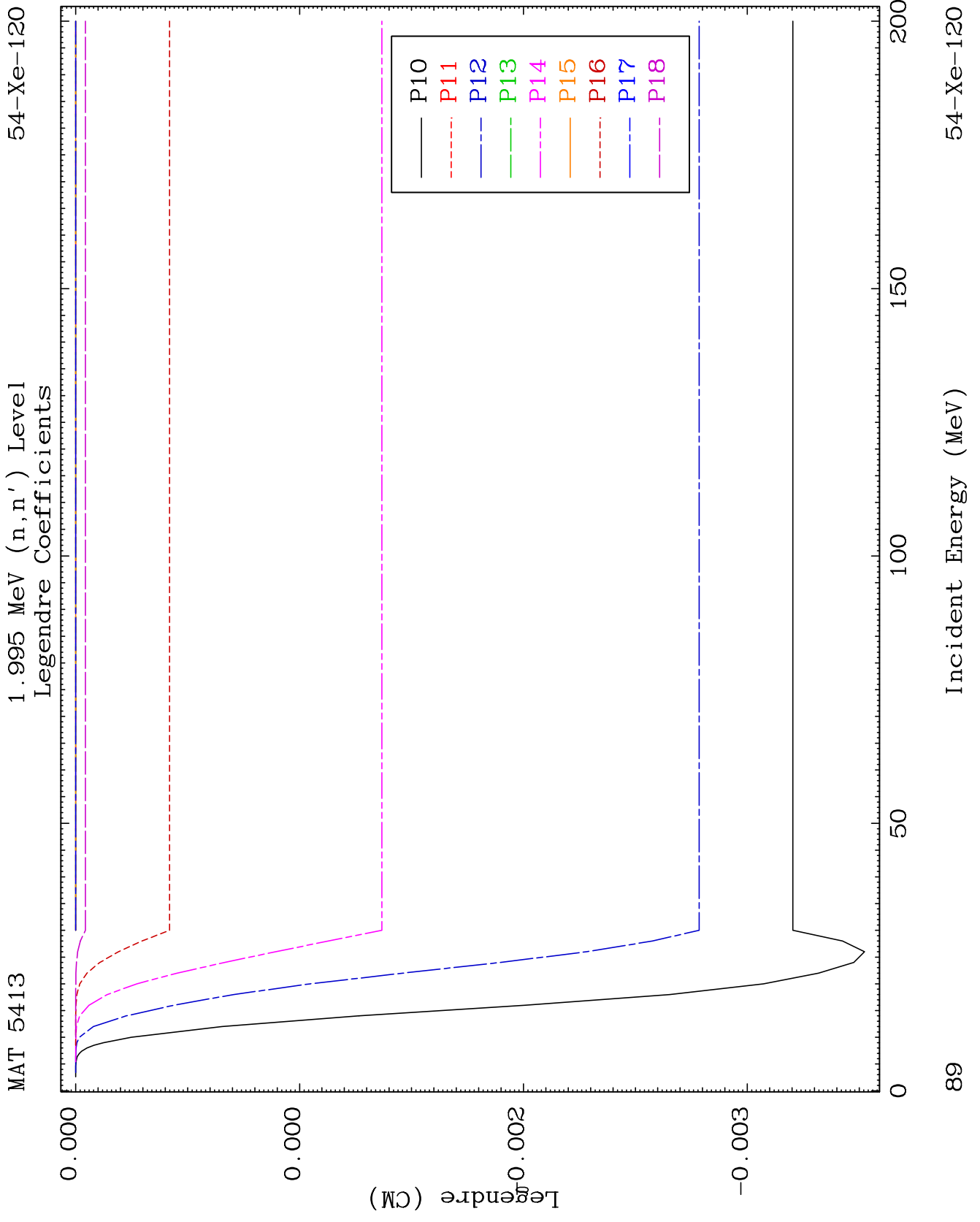
1.986 MeV (n, n') Level  
Legendre Coefficients

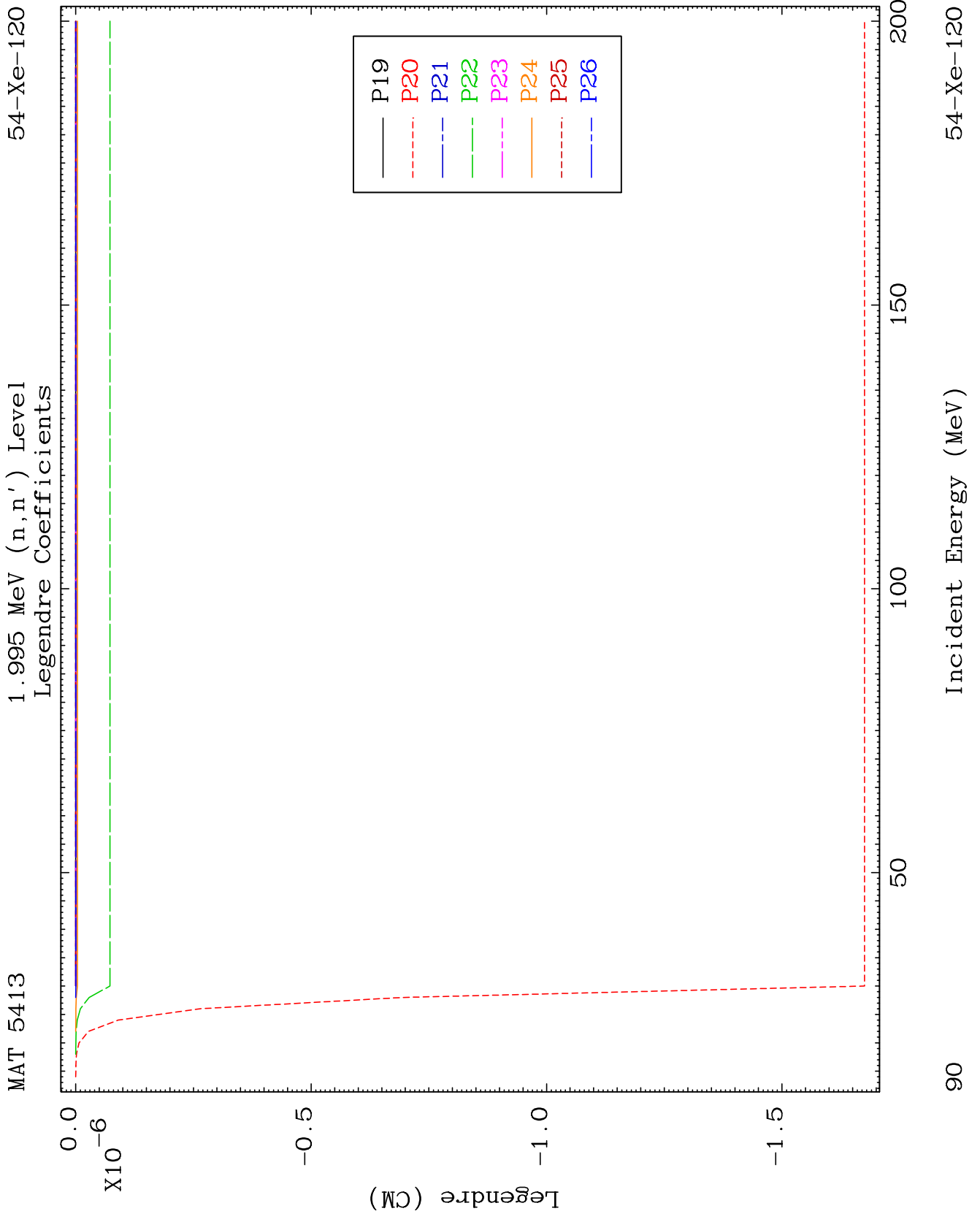
54-Xe-120







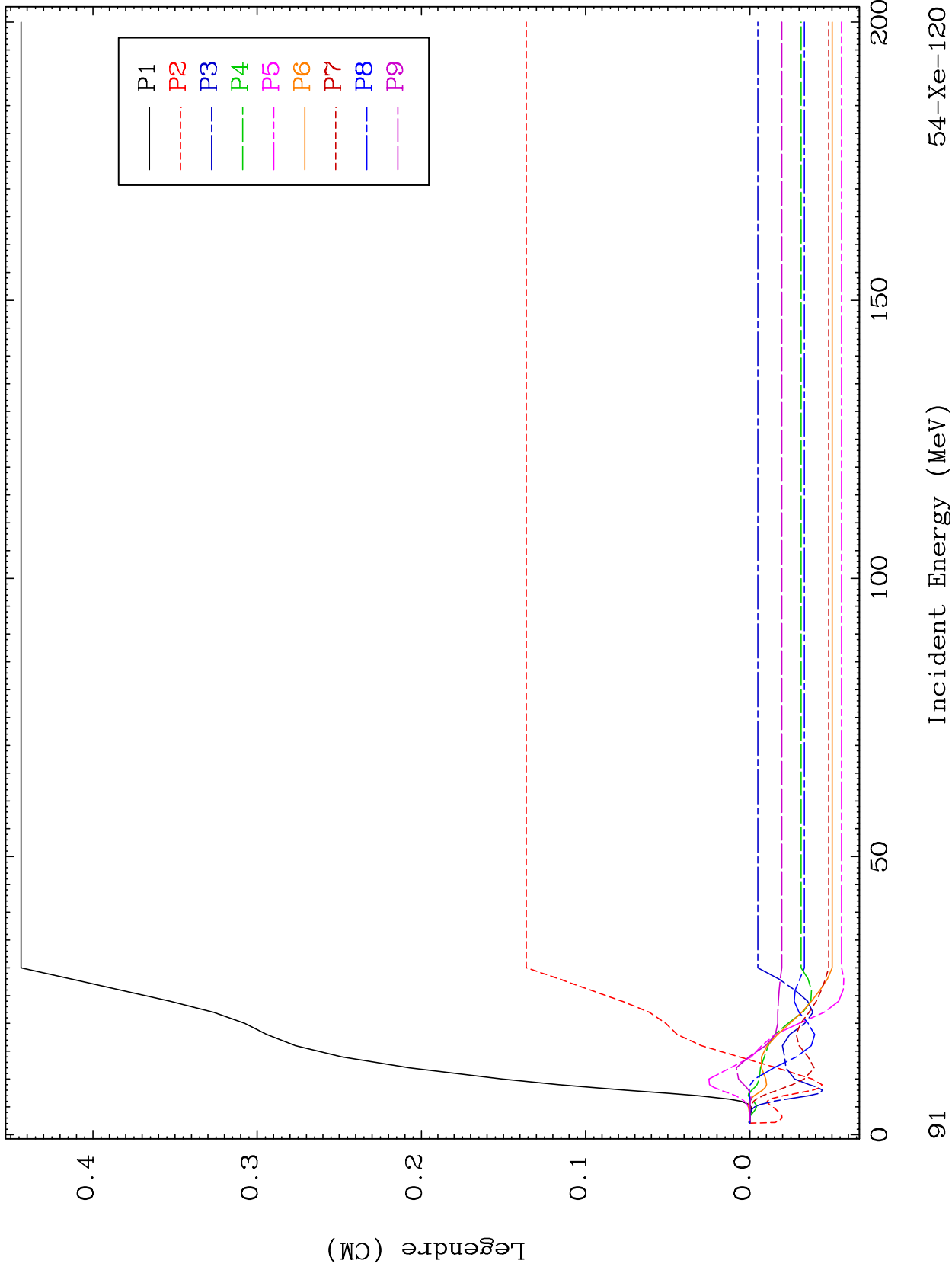




MAT 5413

2.051 MeV (n,n') Level  
Legendre Coefficients

54-Xe-120



91

Incident Energy (MeV)

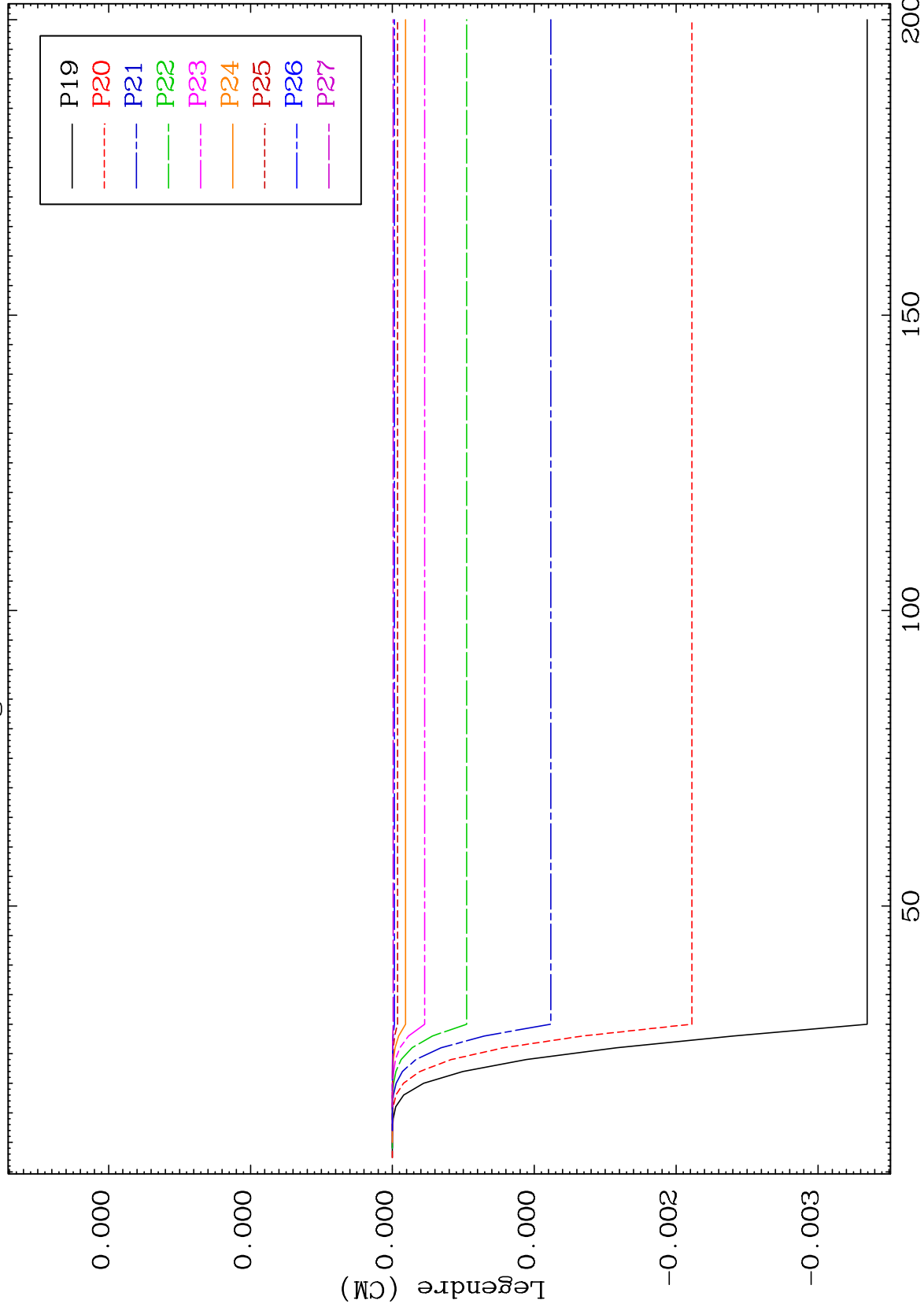
54-Xe-120



MAT 5413

2.051 MeV (n,n') Level  
Legendre Coefficients

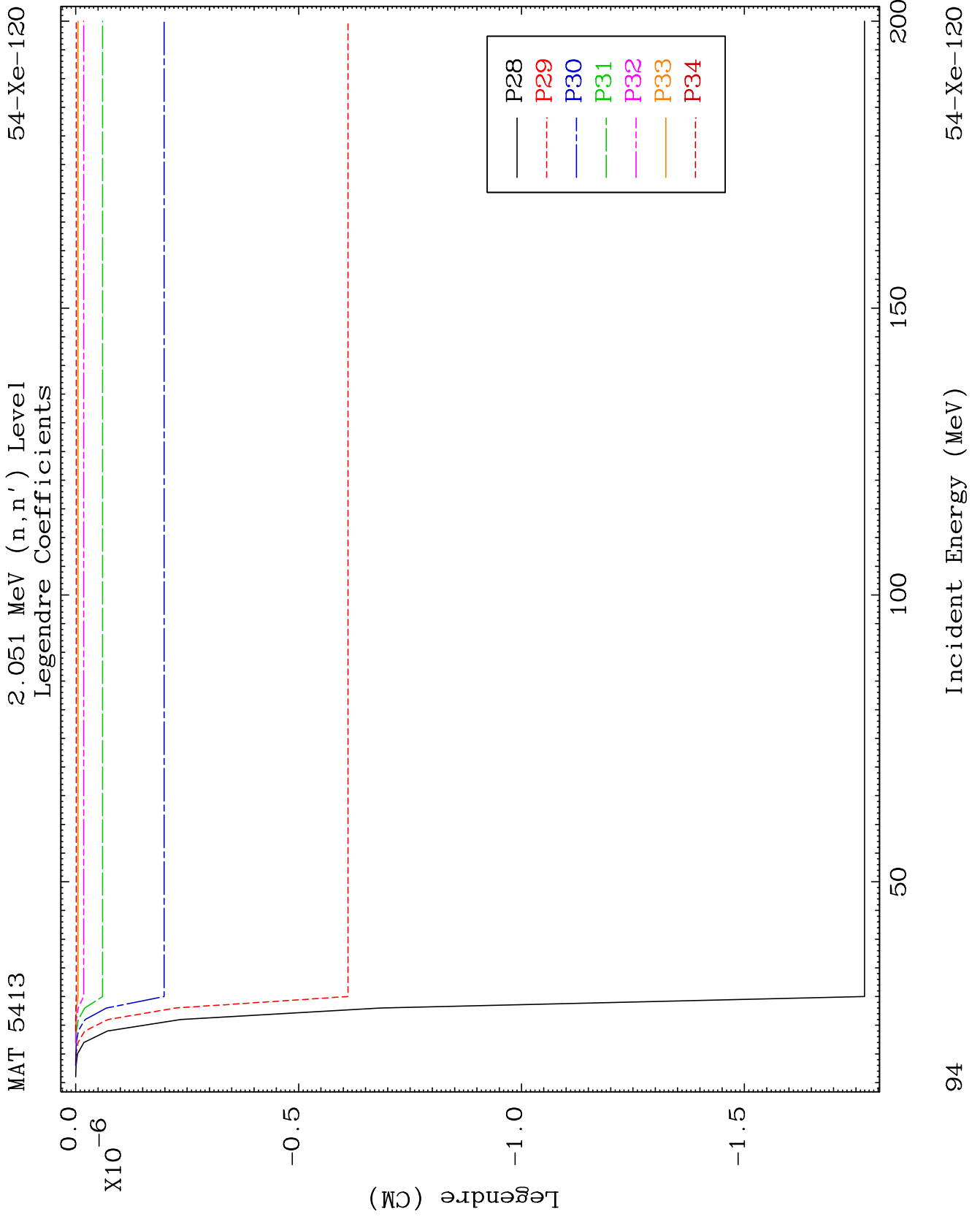
54-Xe-120

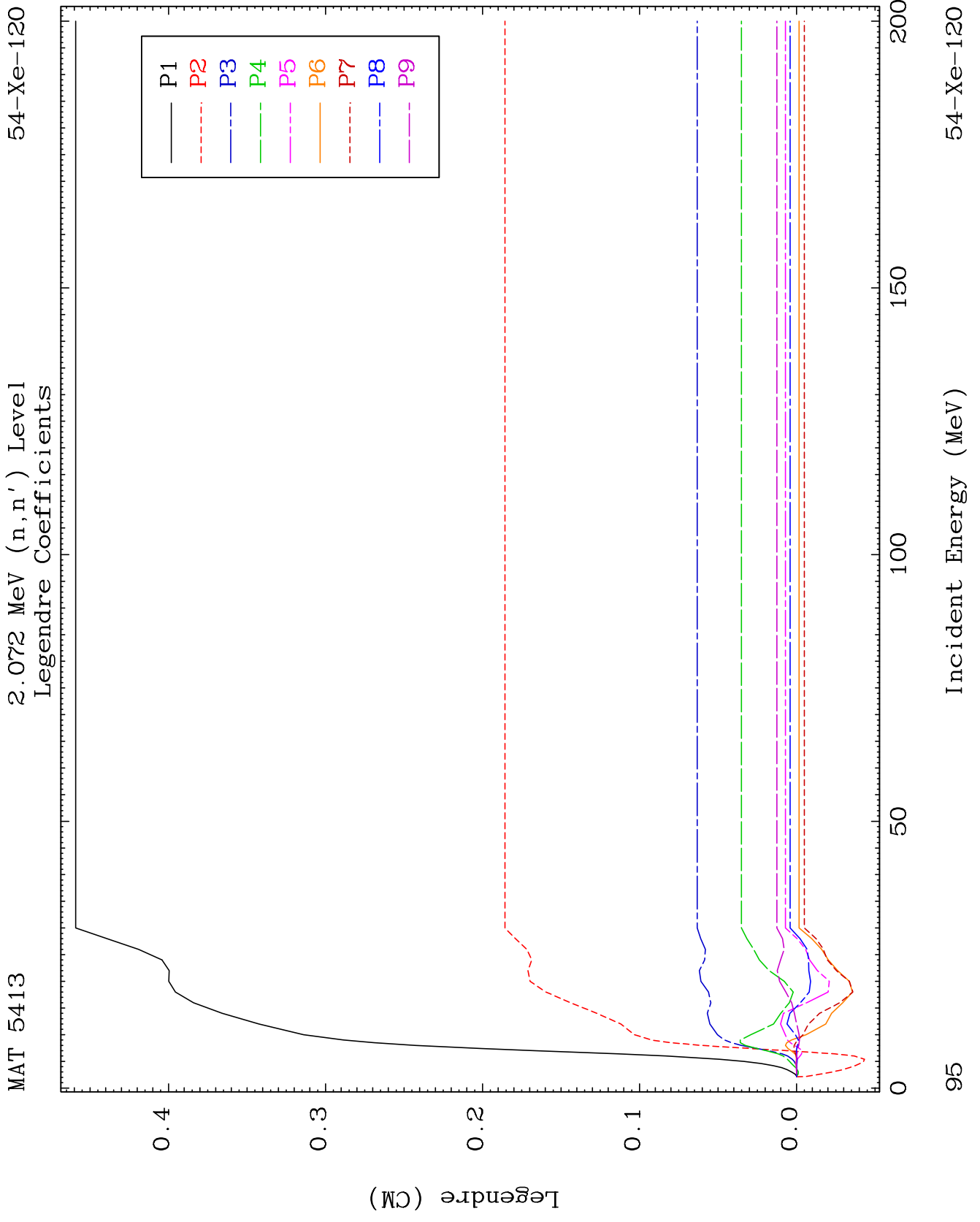


93

Incident Energy (MeV)

54-Xe-120



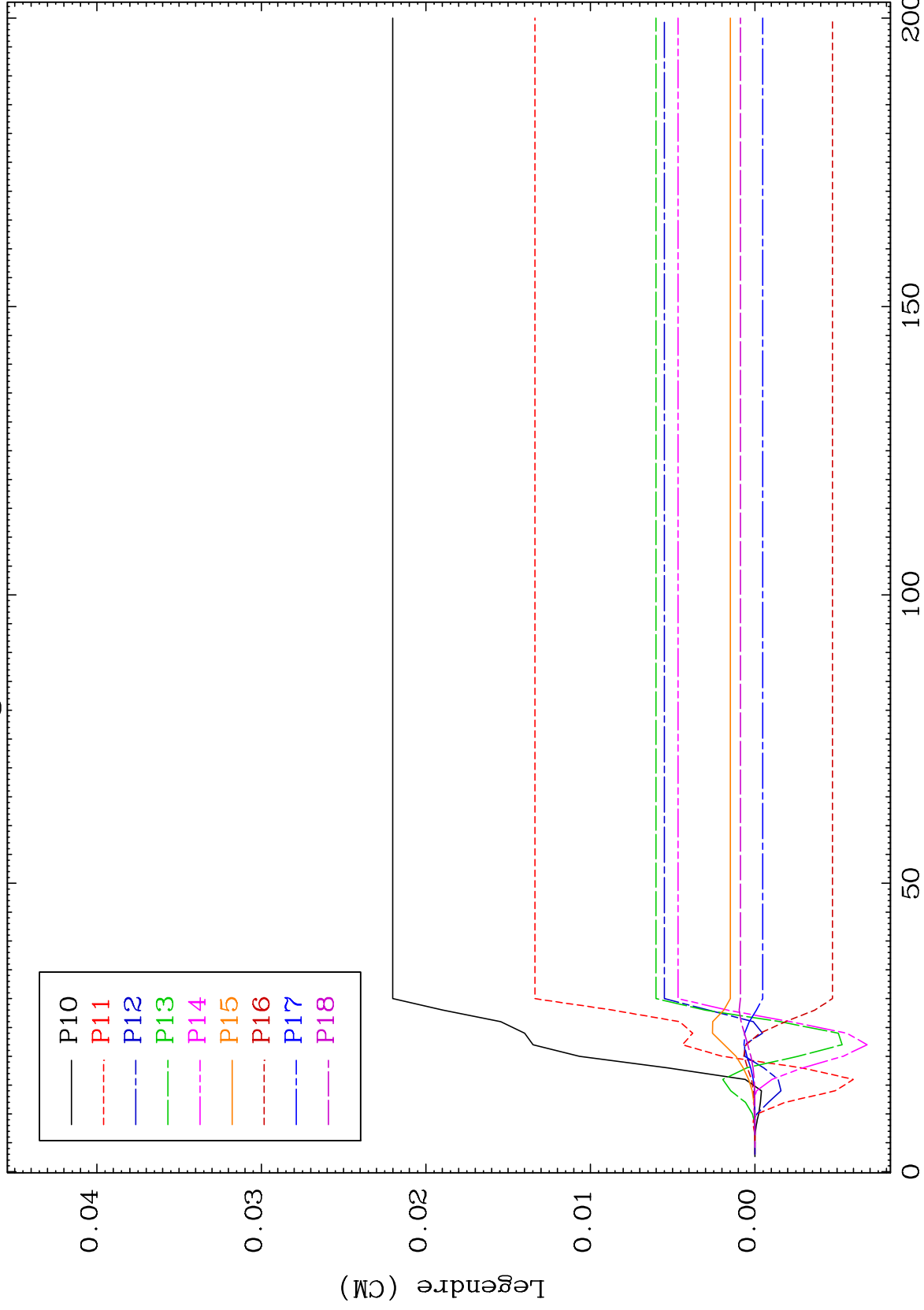




MAT 5413

2.072 MeV (n,n') Level  
Legendre Coefficients

54-Xe-120



96

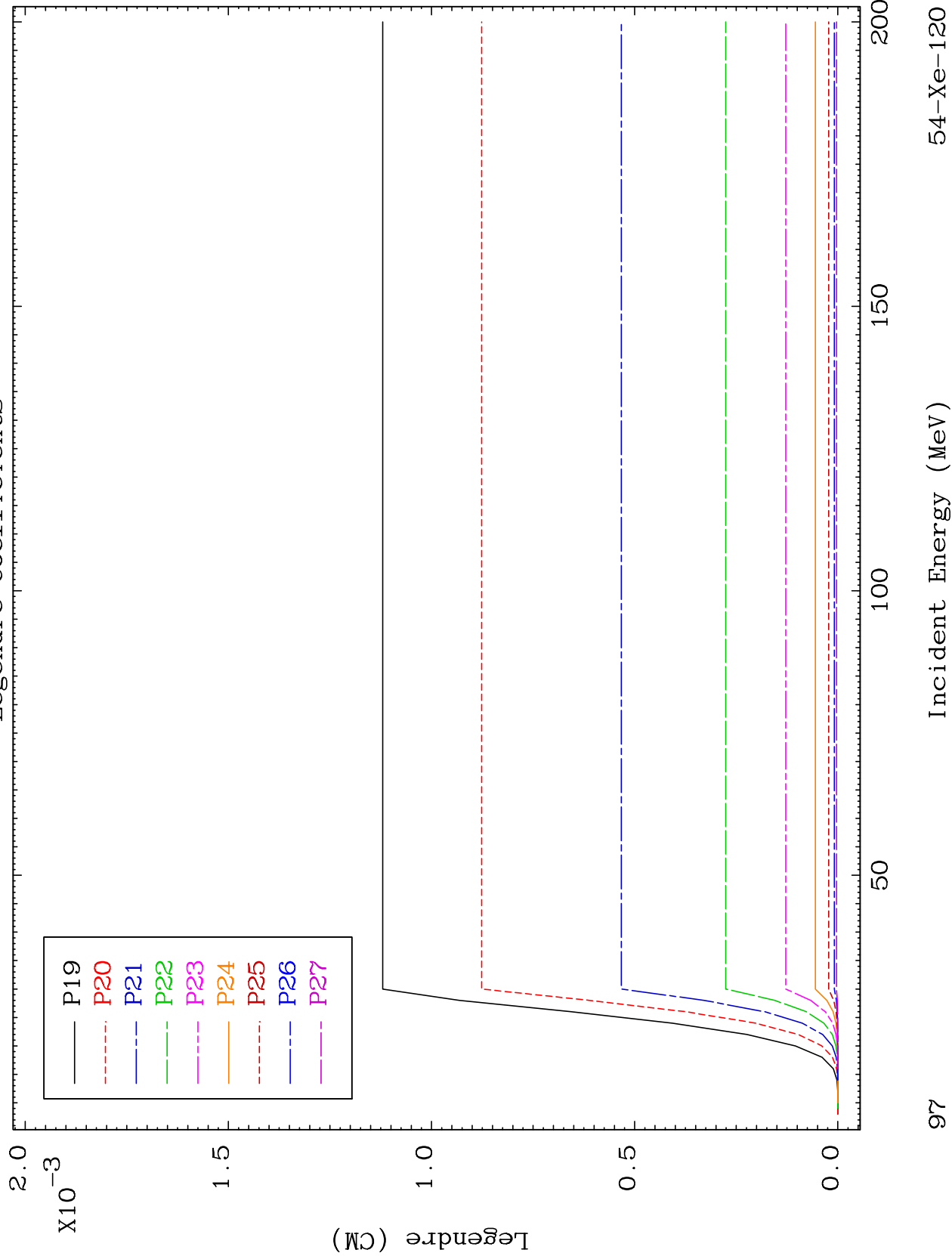
Incident Energy (MeV)

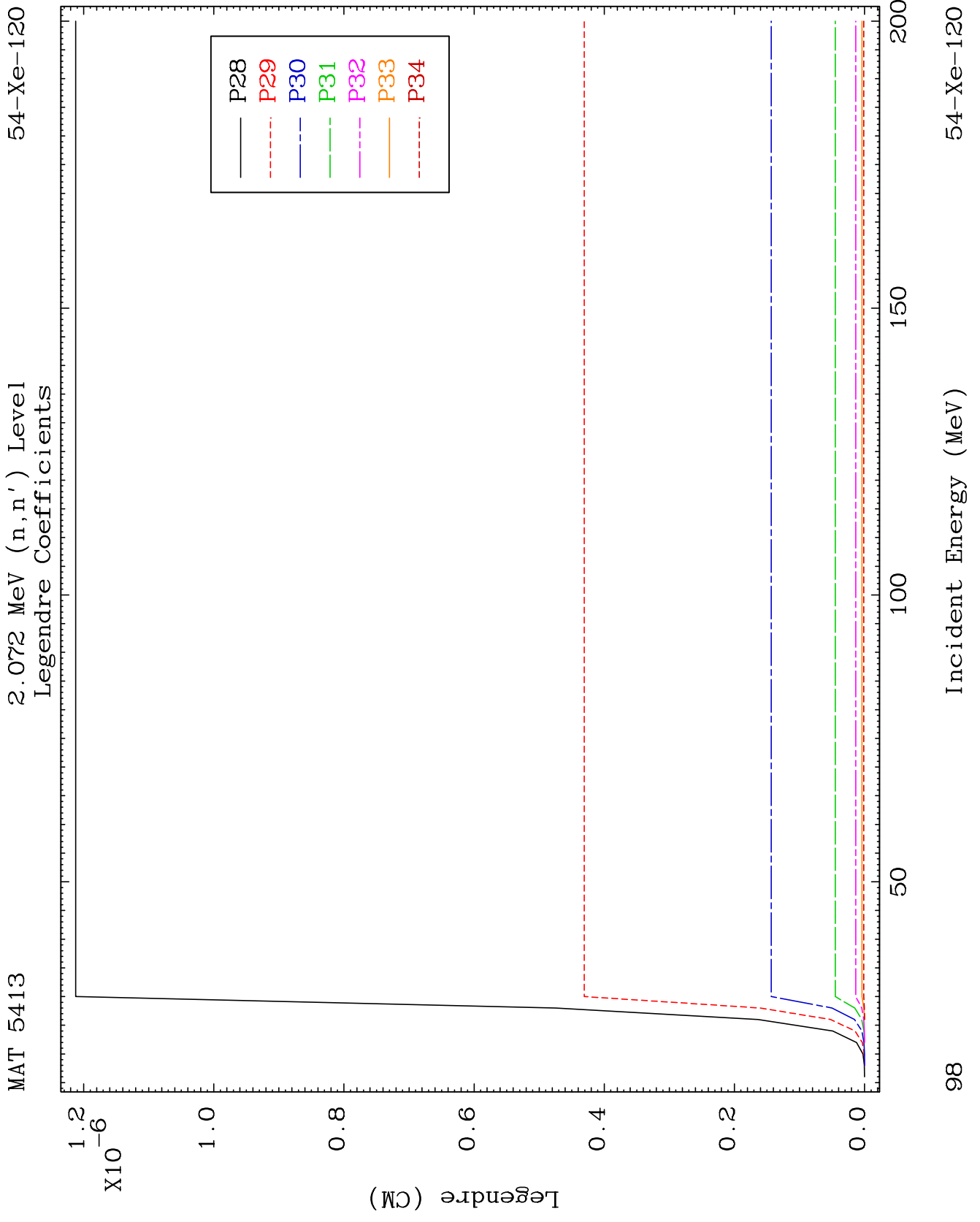
54-Xe-120

MAT 5413

2.072 MeV (n,n') Level  
Legendre Coefficients

54-Xe-120

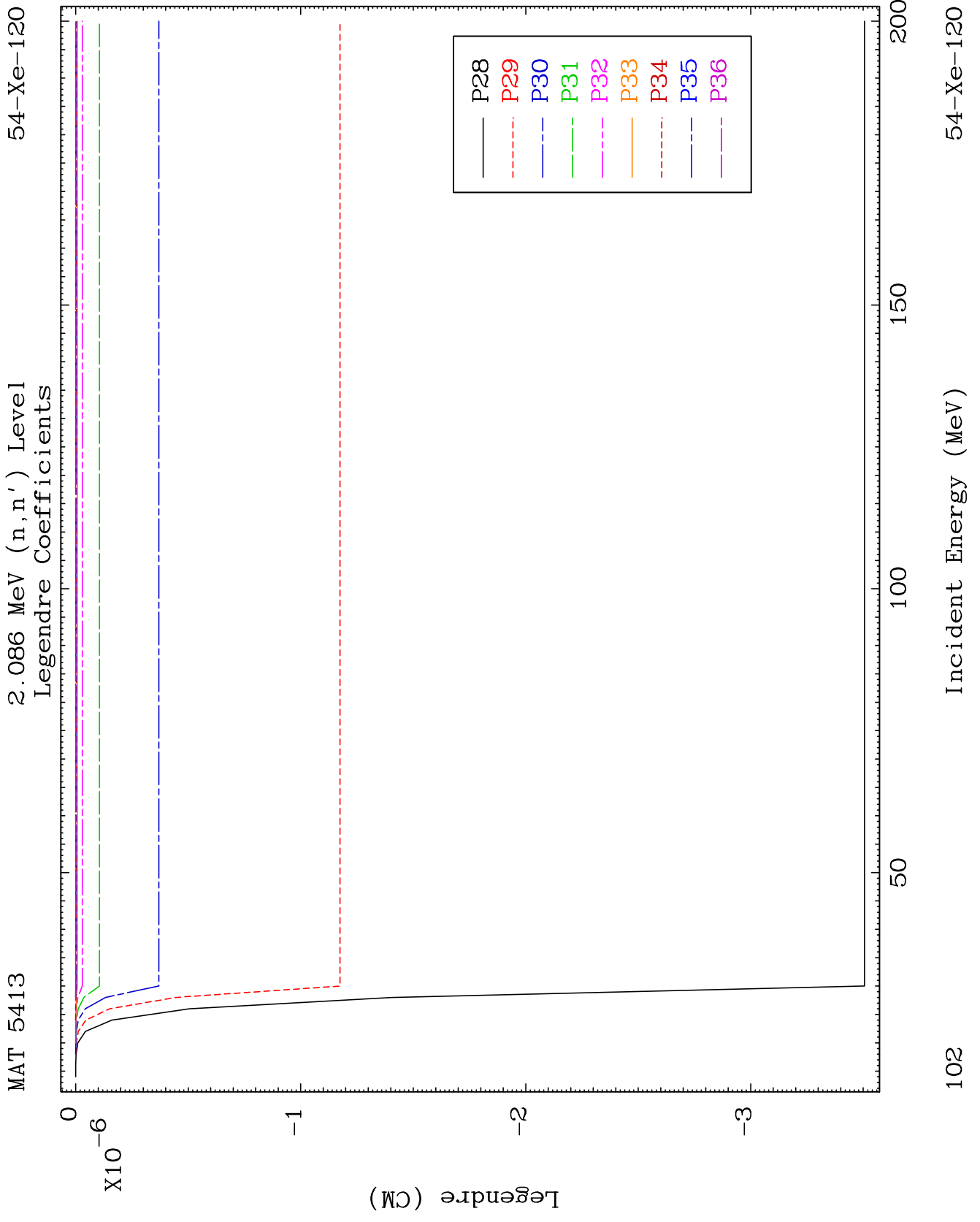


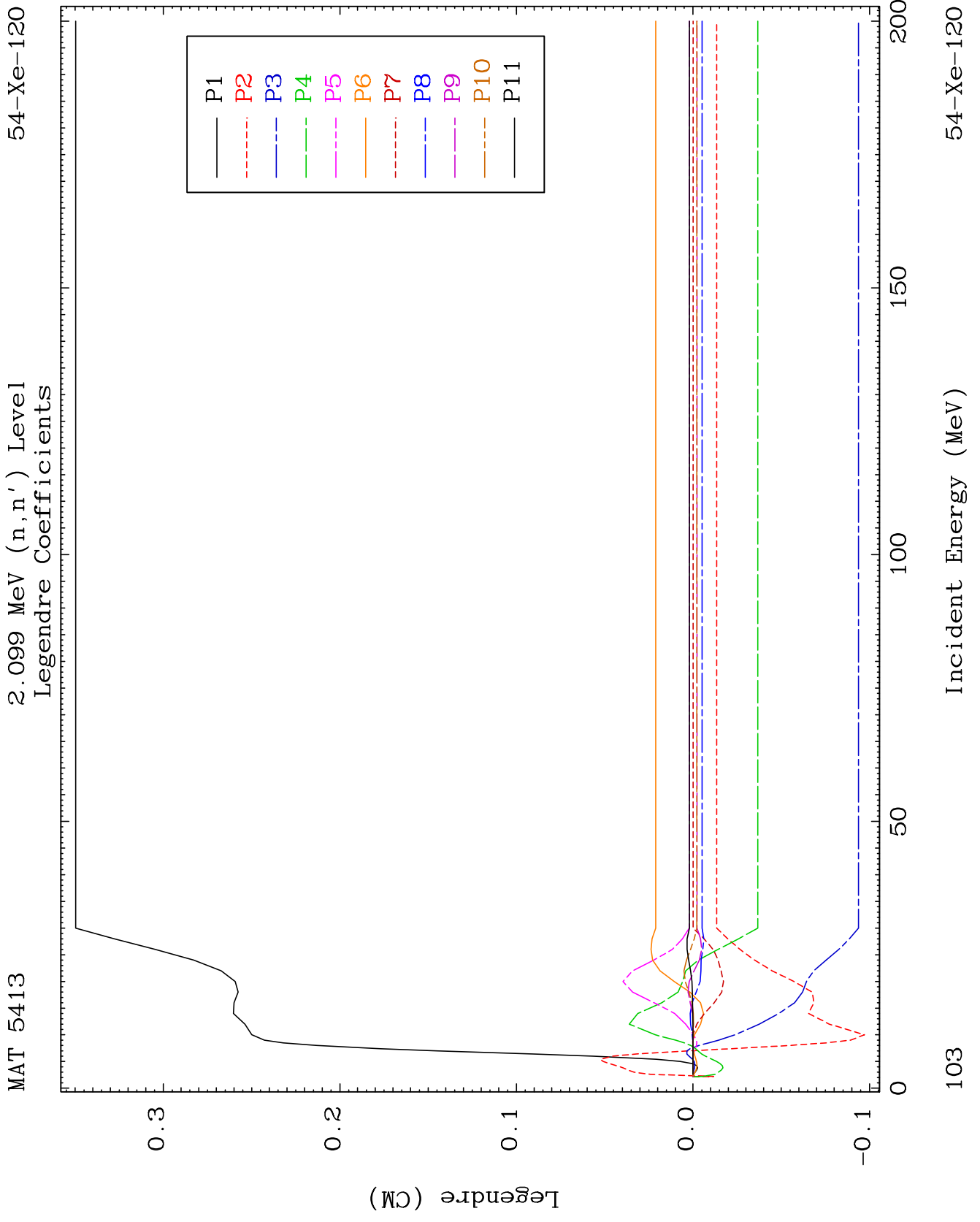










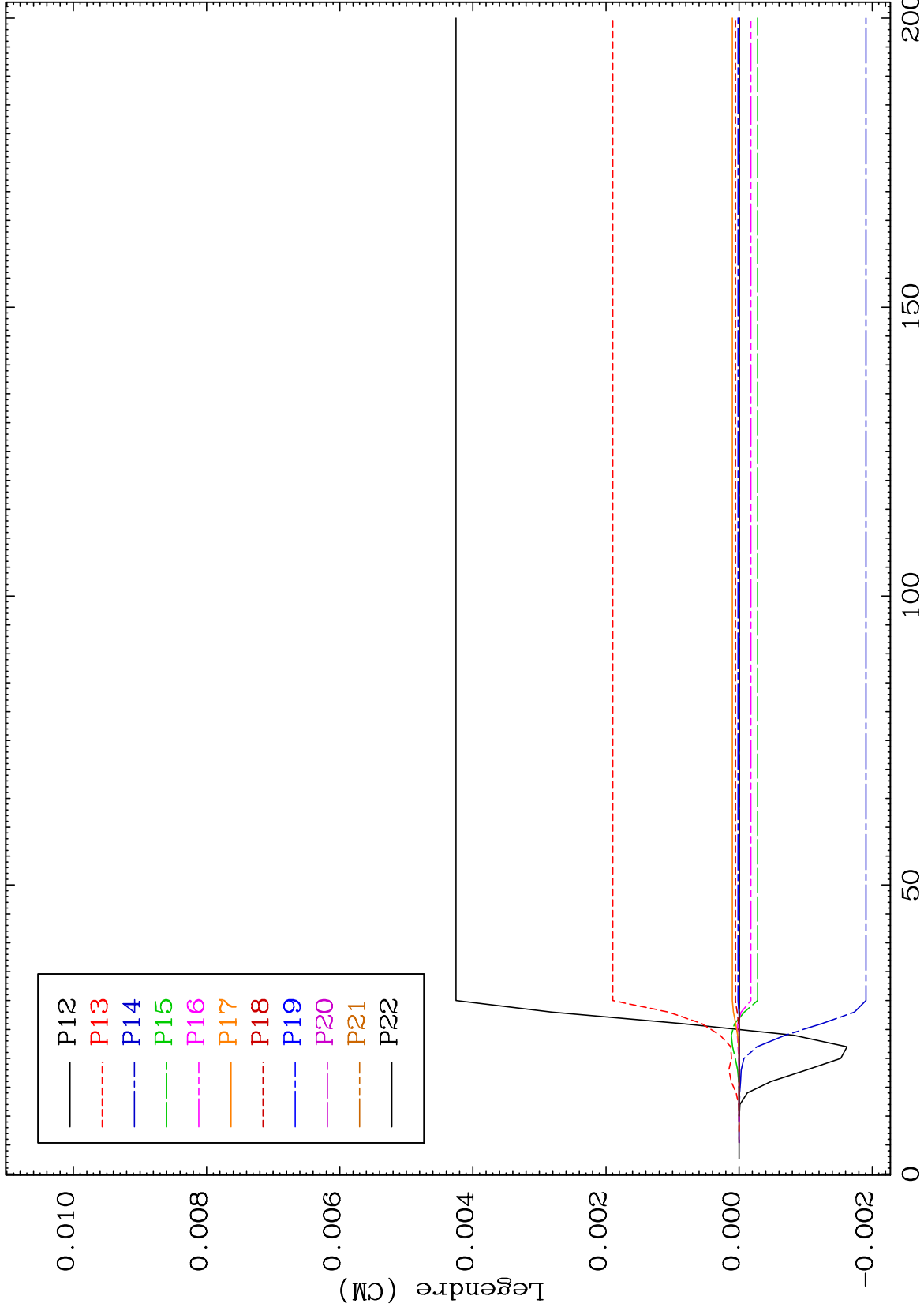




MAT 5413

2.099 MeV (n,n') Level  
Legendre Coefficients

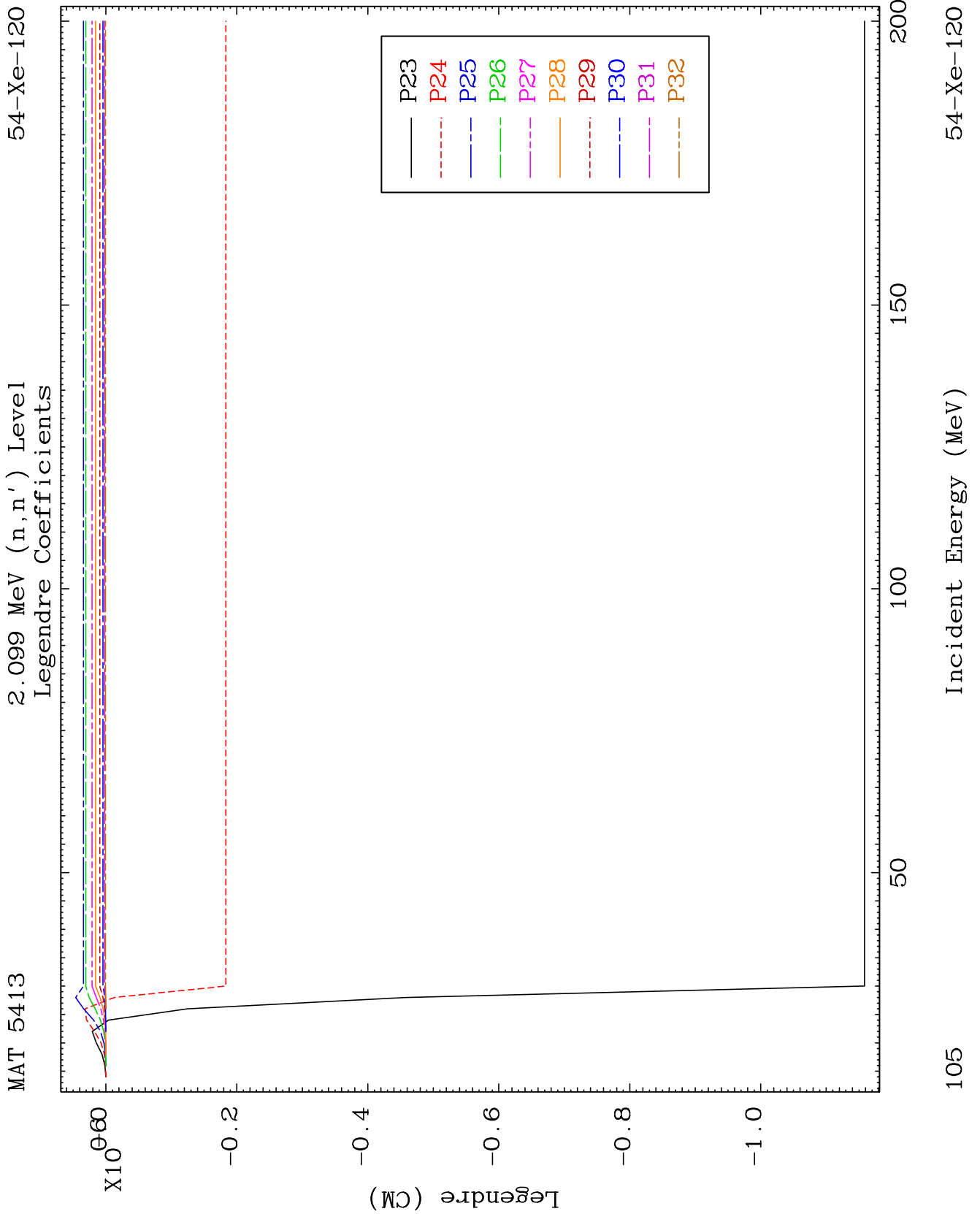
54-Xe-120



104

Incident Energy (MeV)

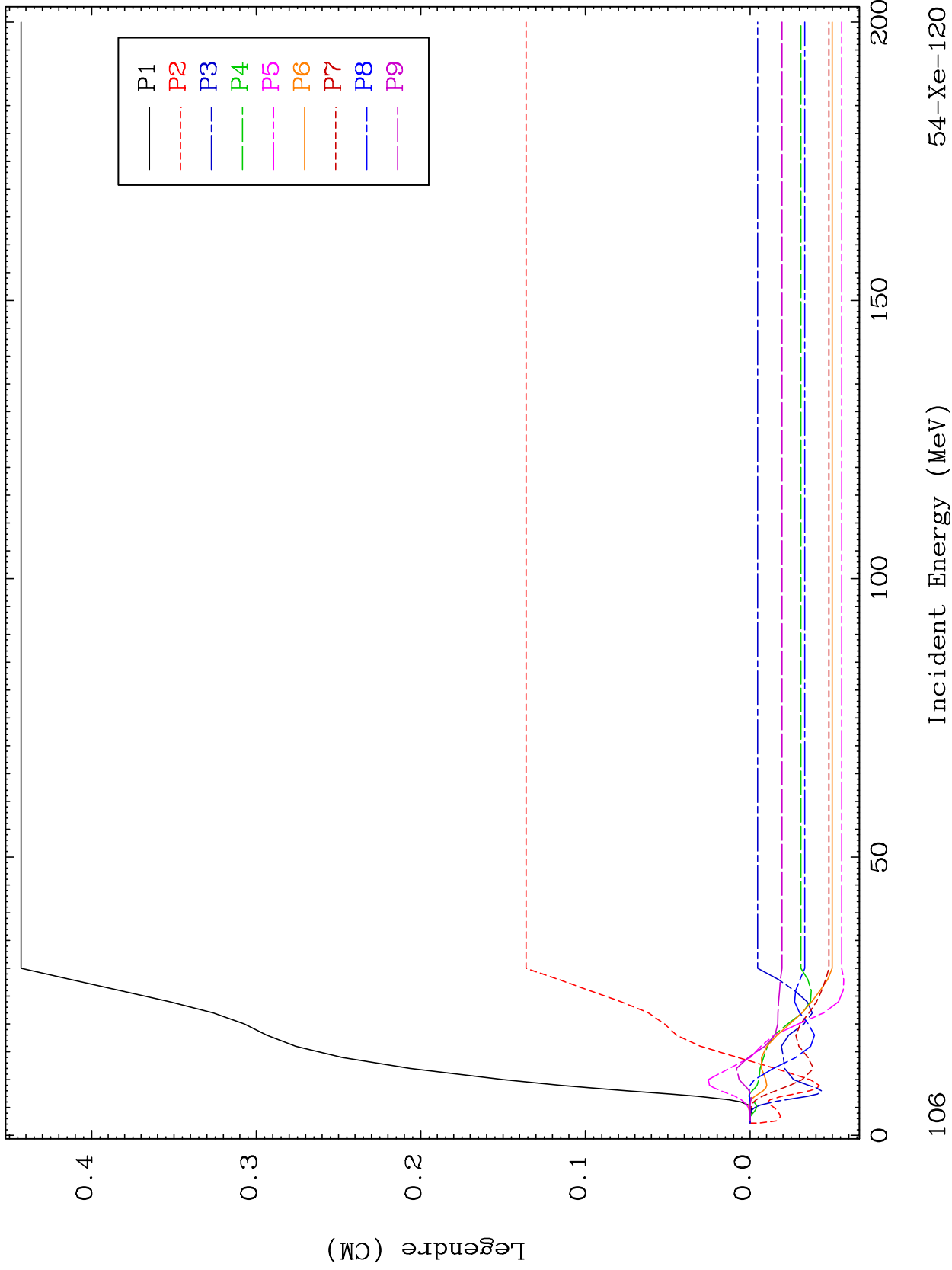
54-Xe-120



MAT 5413

2.165 MeV (n,n') Level  
Legendre Coefficients

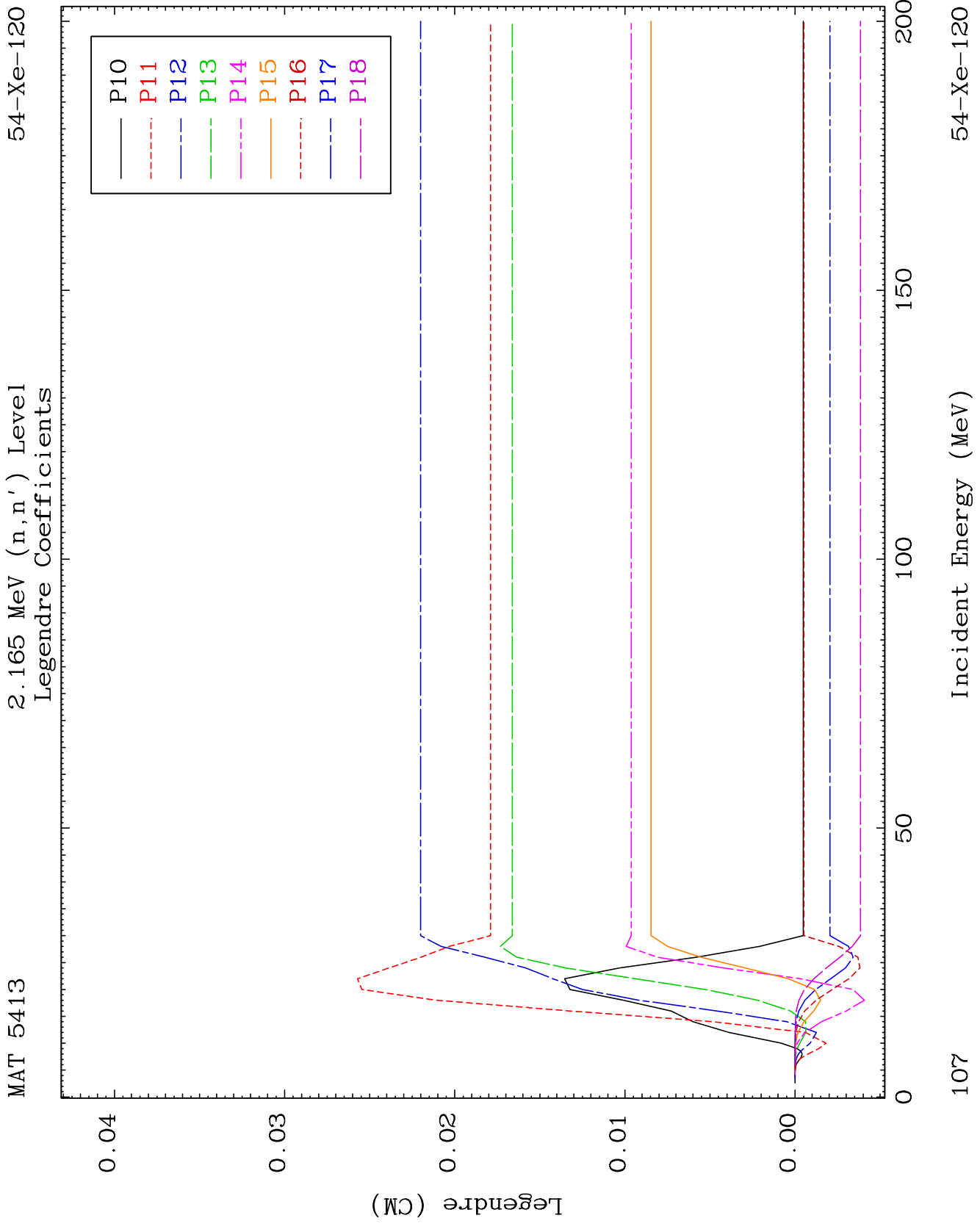
54-Xe-120



106

Incident Energy (MeV)

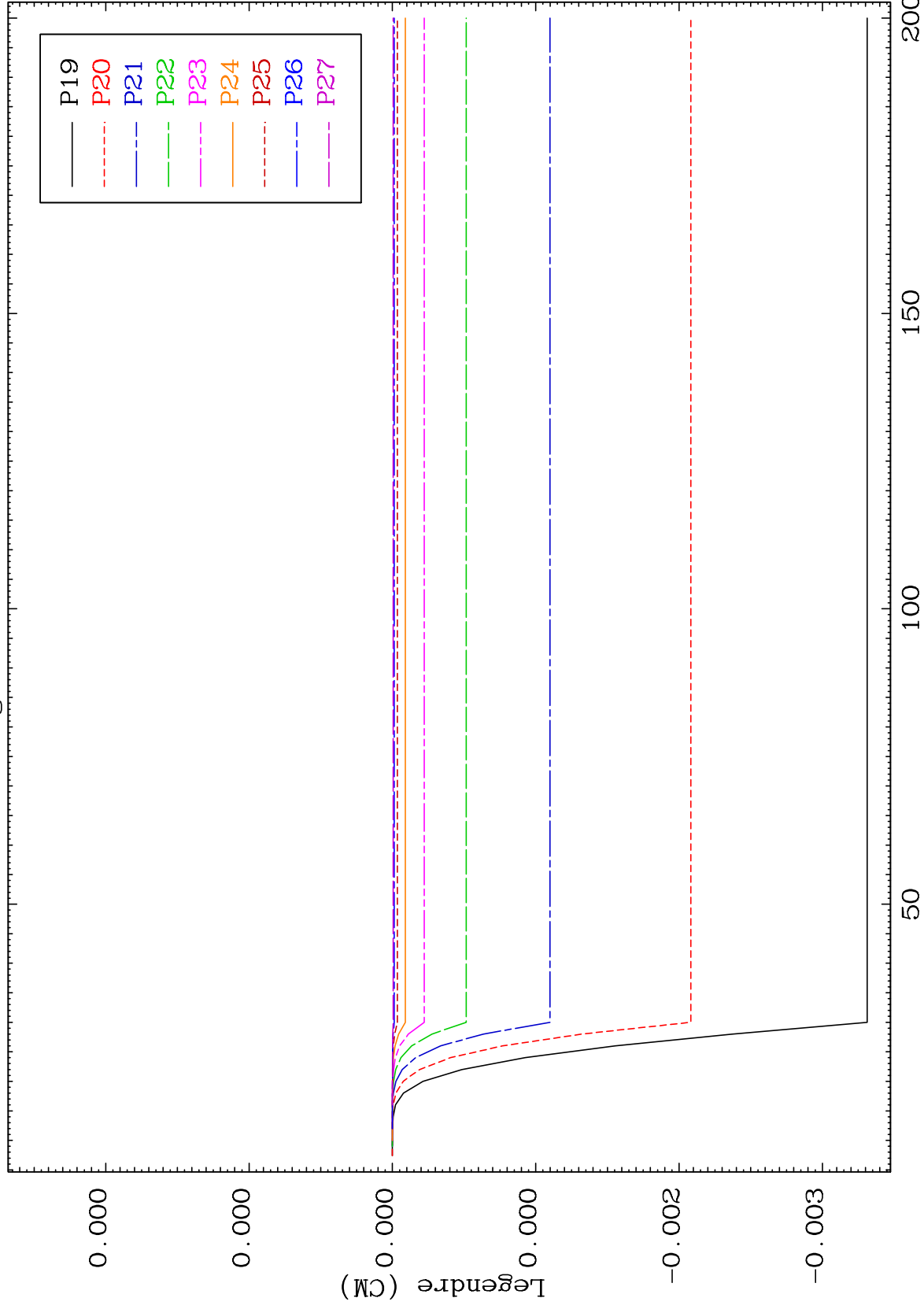
54-Xe-120



MAT 5413

2.165 MeV (n,n') Level  
Legendre Coefficients

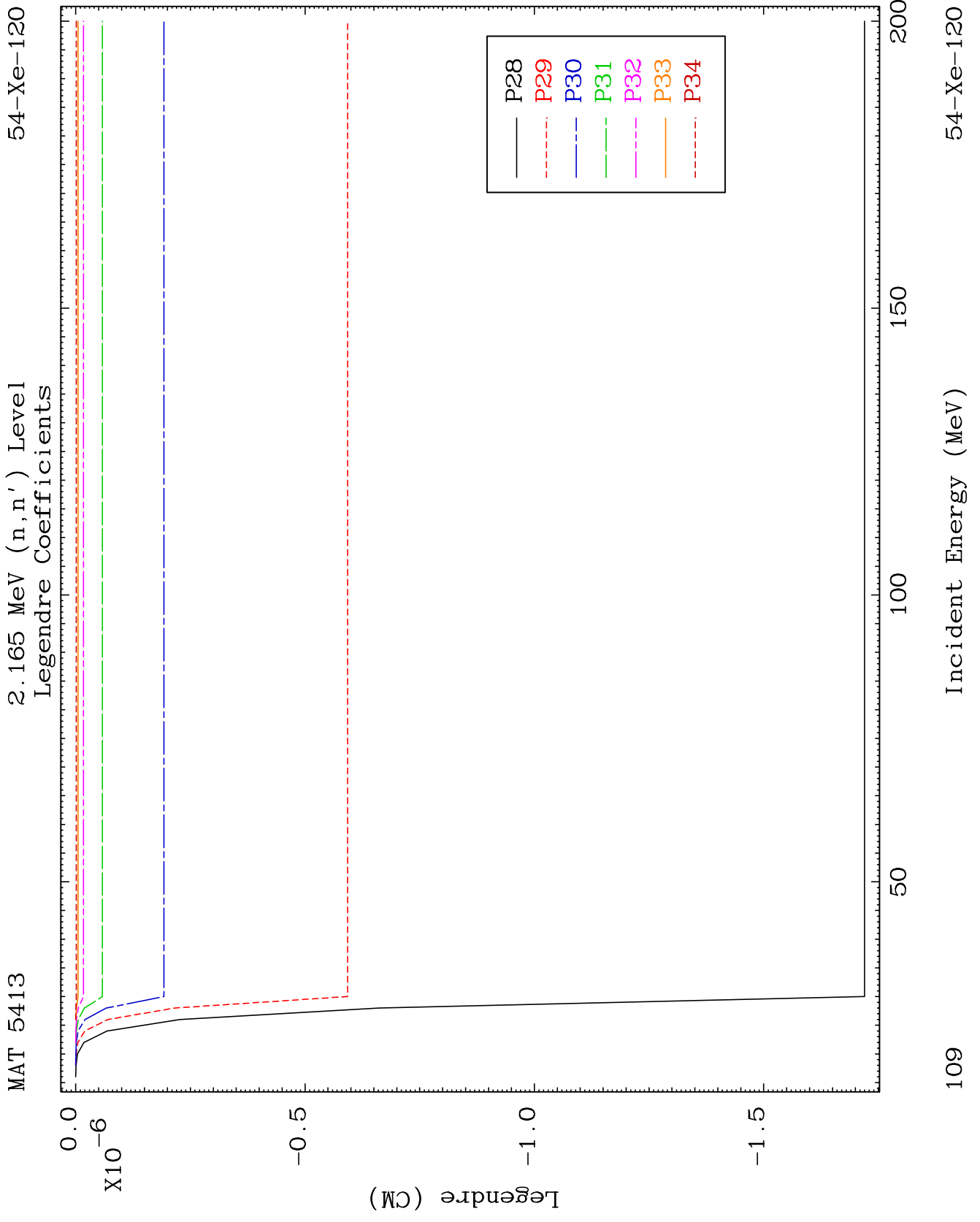
54-Xe-120



108

Incident Energy (MeV)

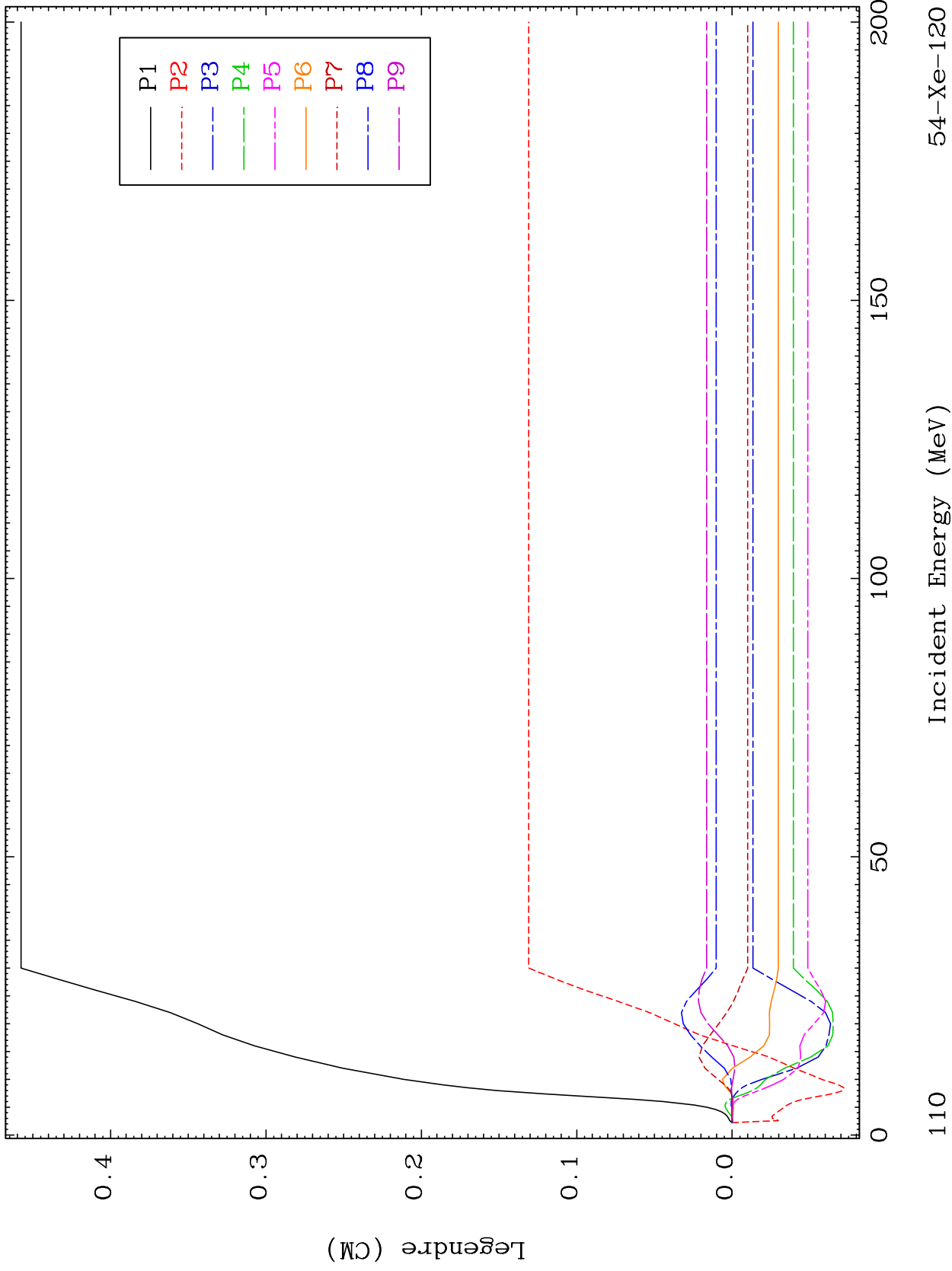
54-Xe-120



MAT 5413

2.187 MeV (n,n') Level  
Legendre Coefficients

54-Xe-120



54-Xe-120

Incident Energy (MeV)

110

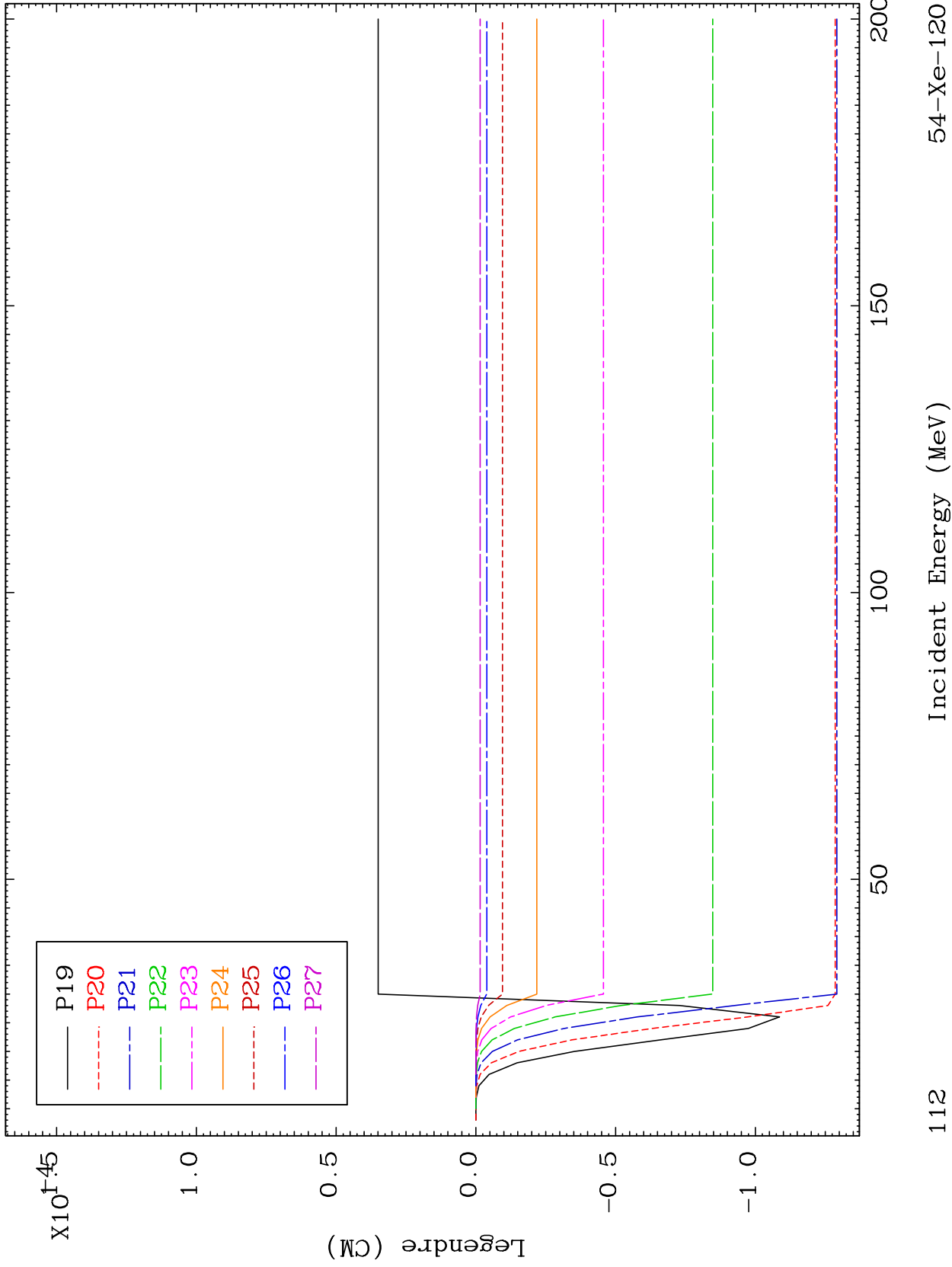


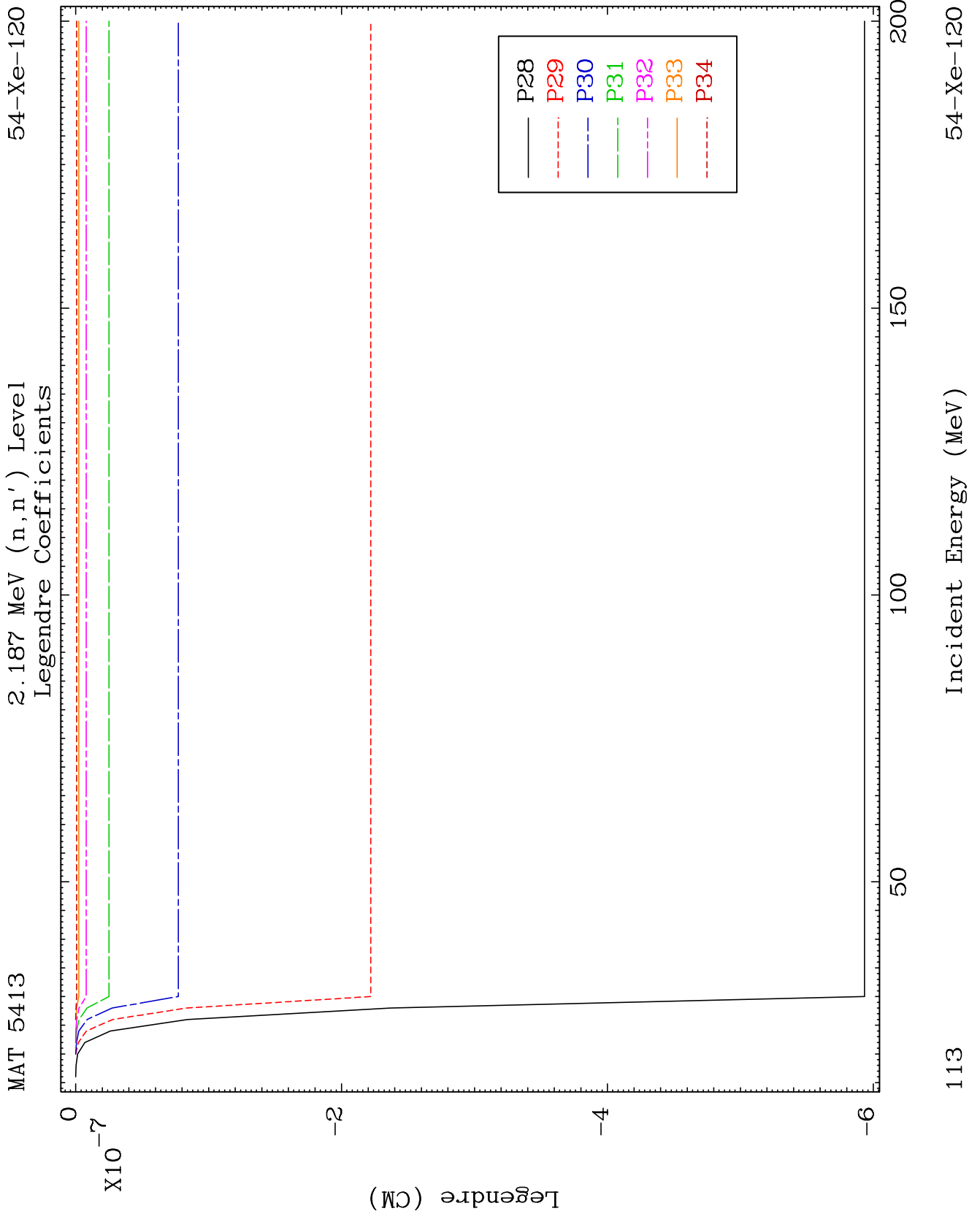


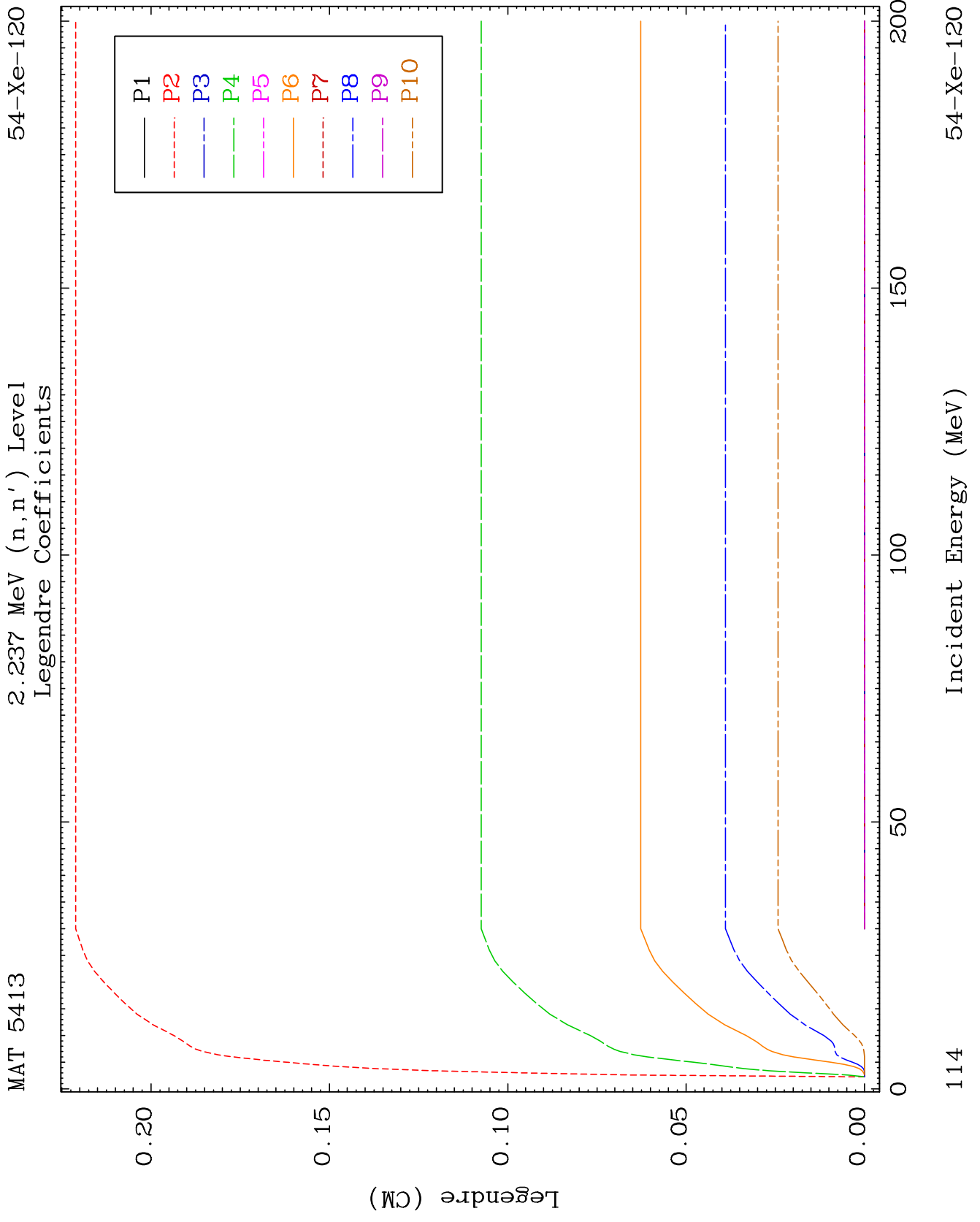
MAT 5413

2.187 MeV (n, n') Level  
Legendre Coefficients

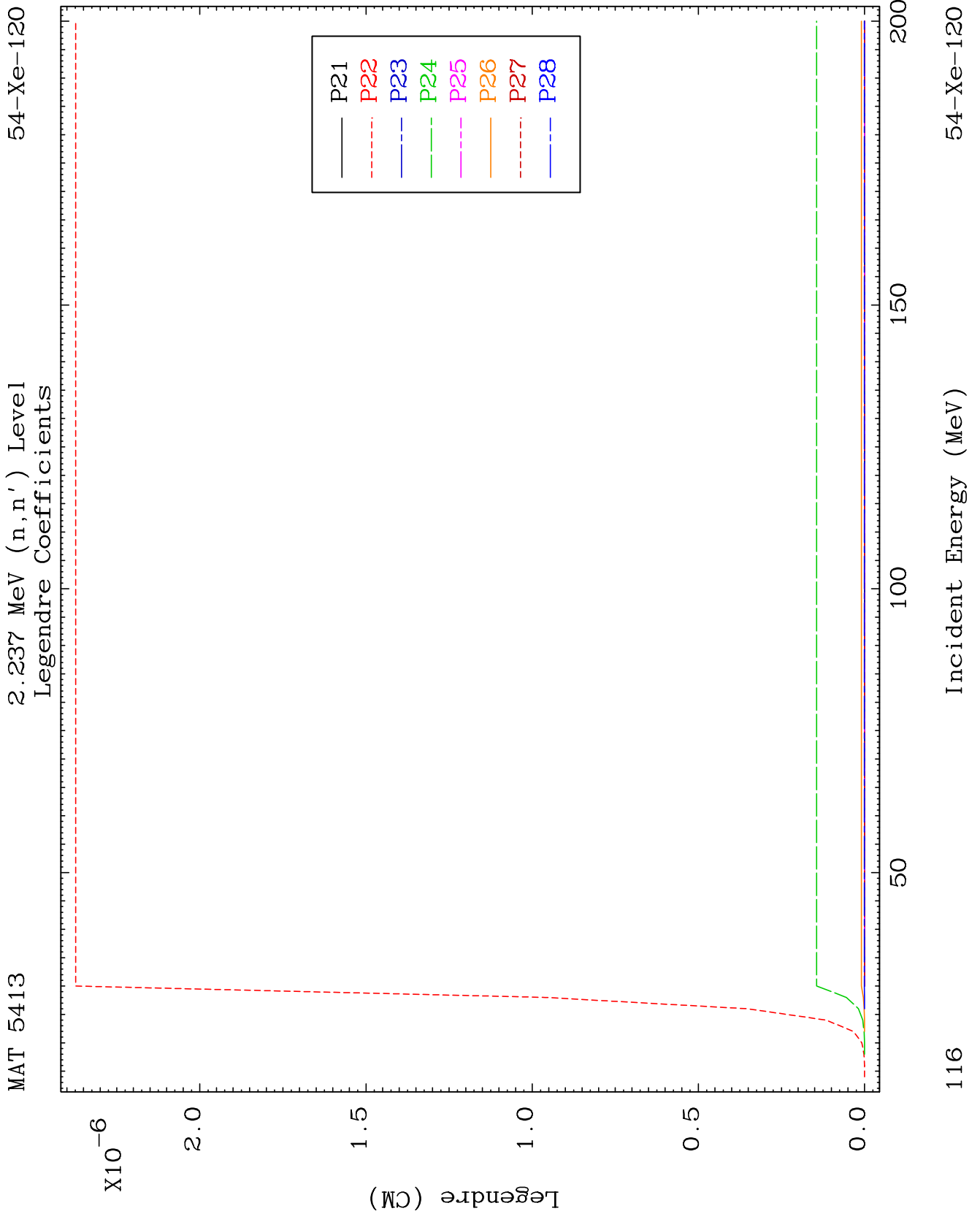
54-Xe-120

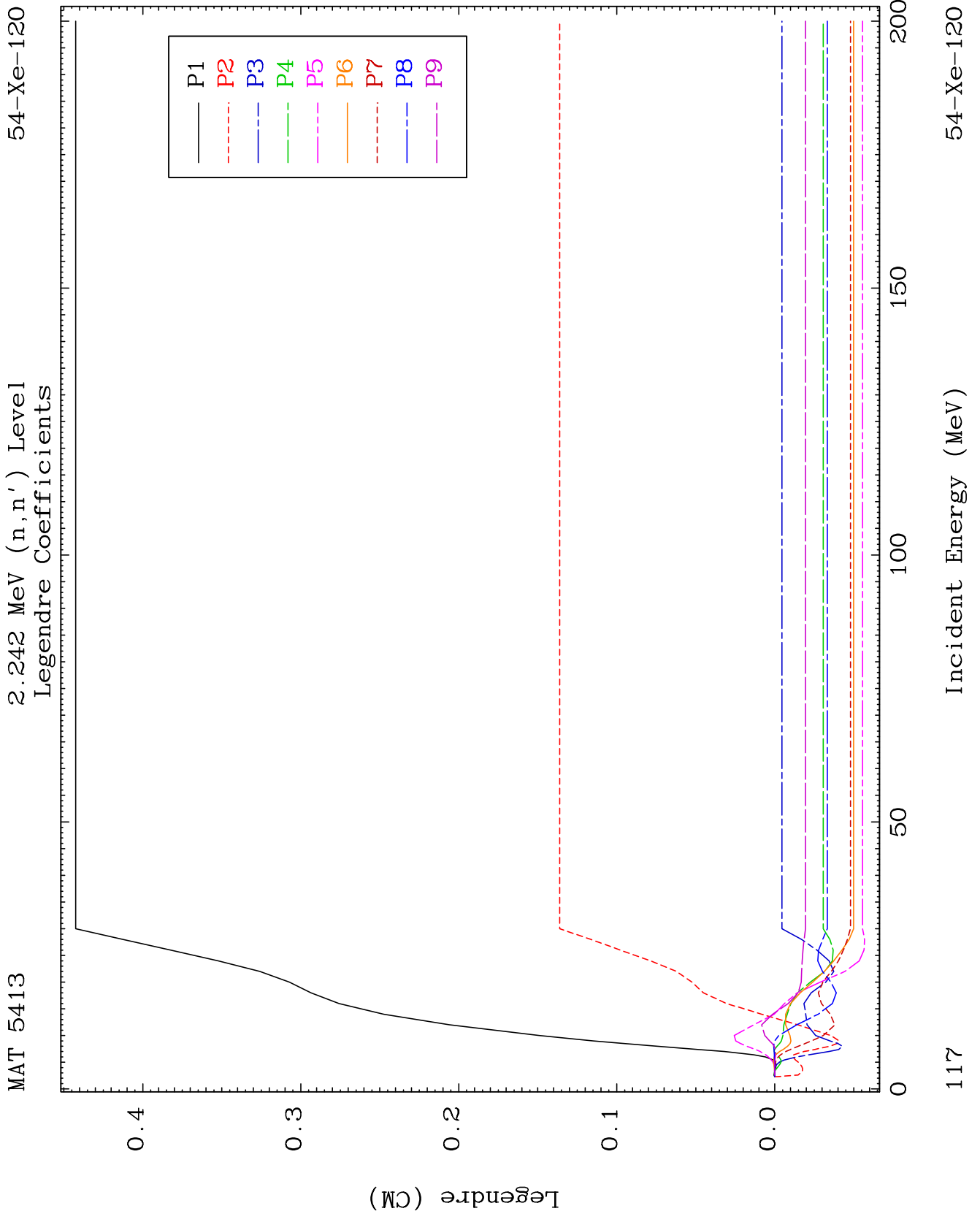










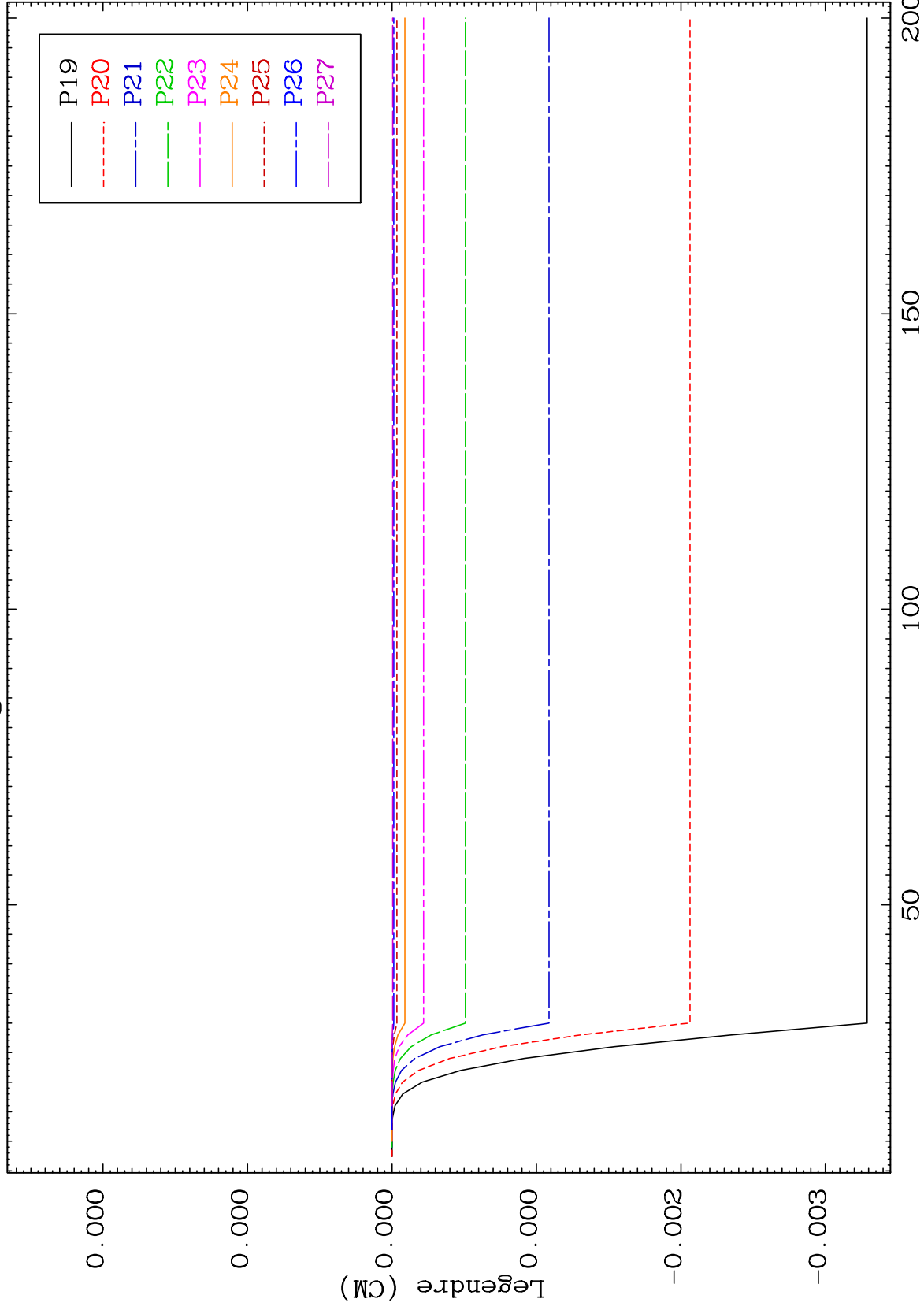




MAT 5413

2.242 MeV (n,n') Level  
Legendre Coefficients

54-Xe-120

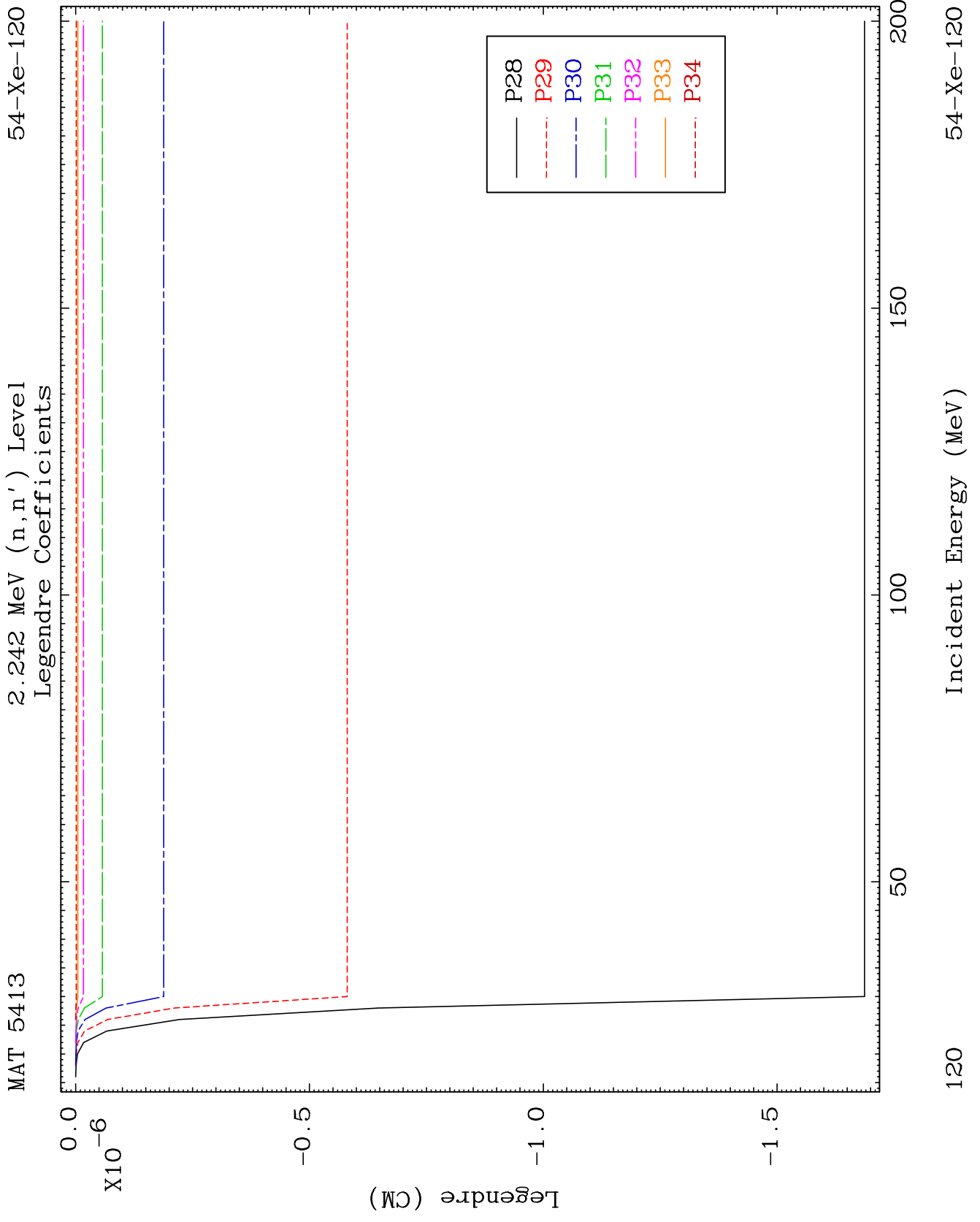


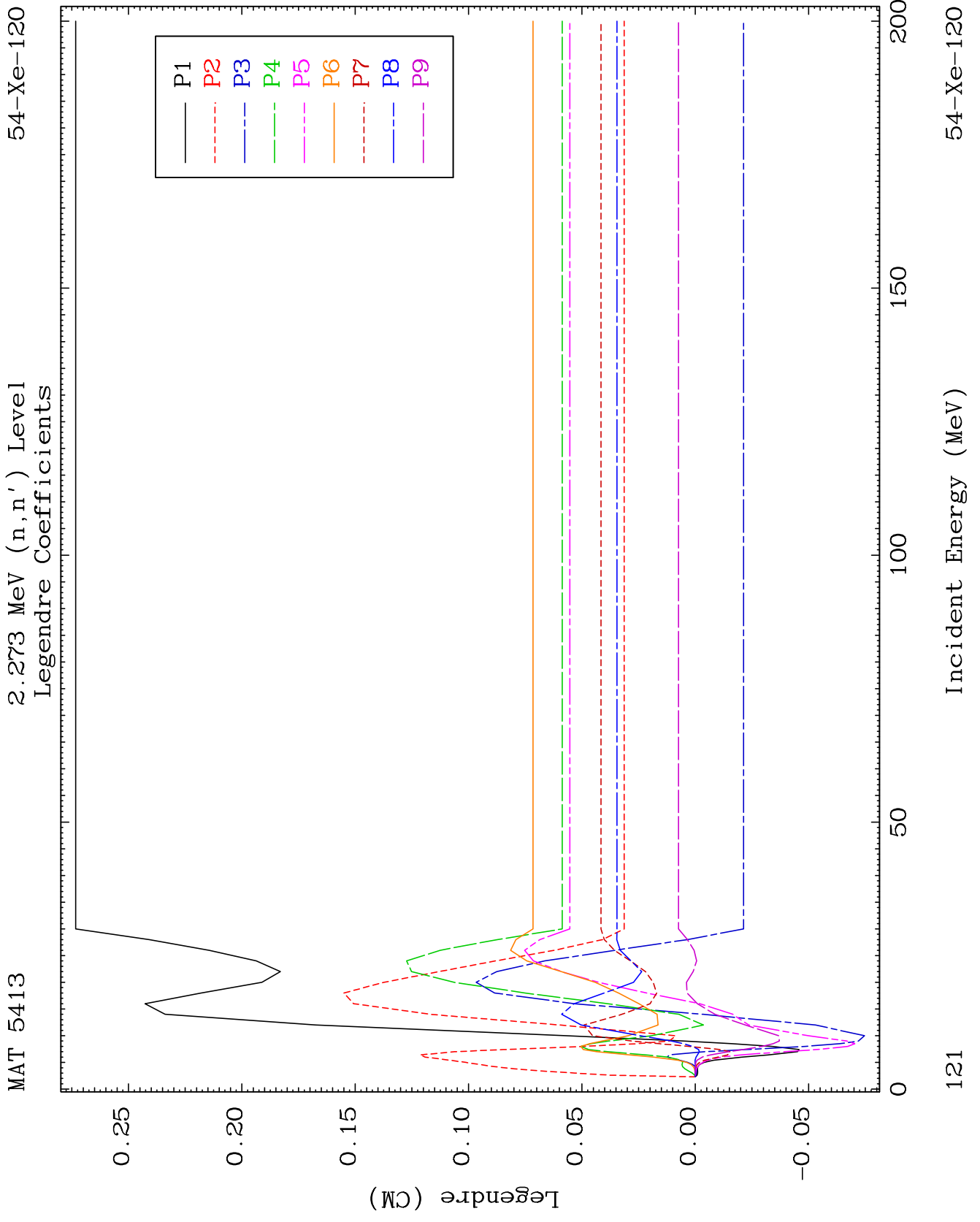
119

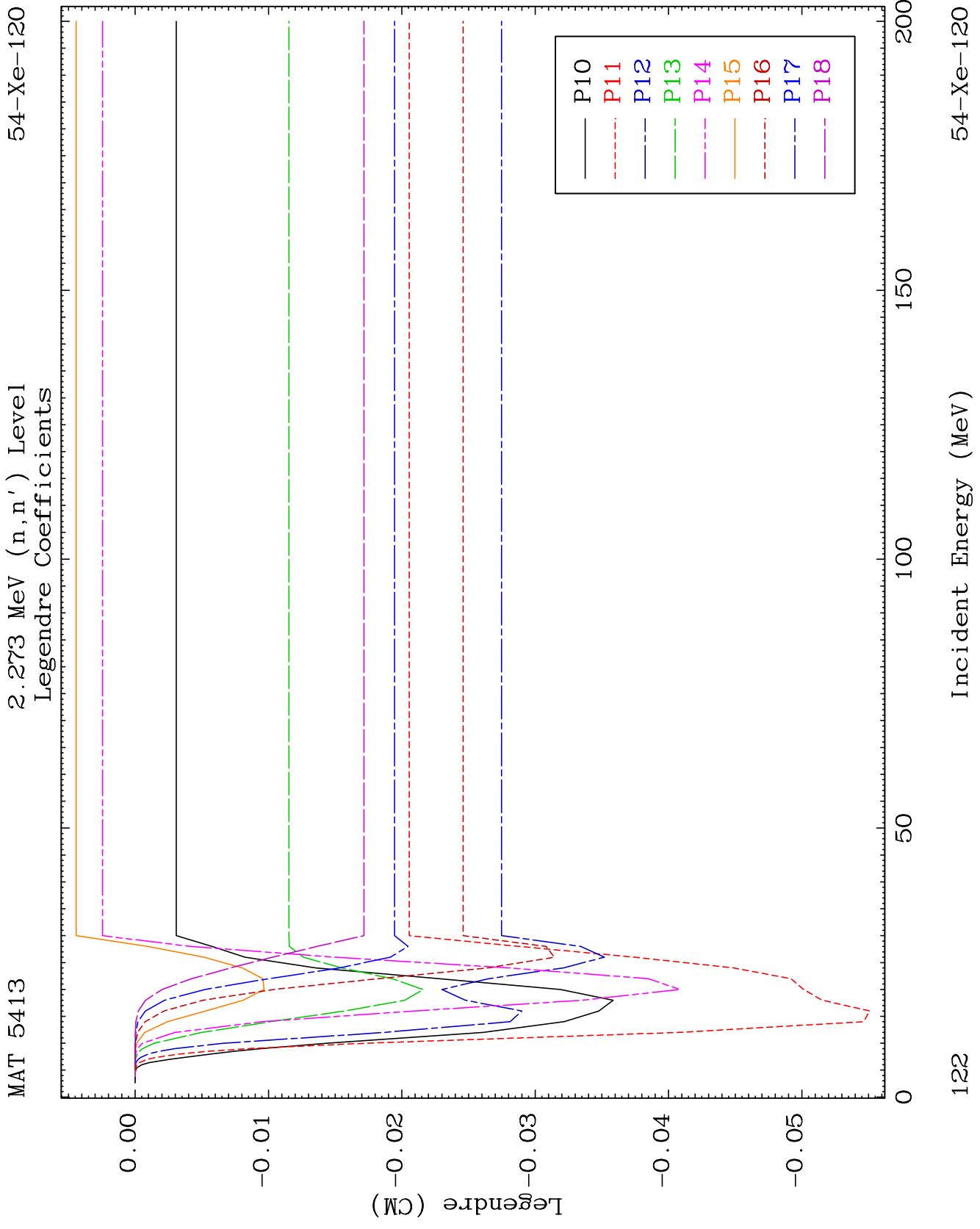
Incident Energy (MeV)

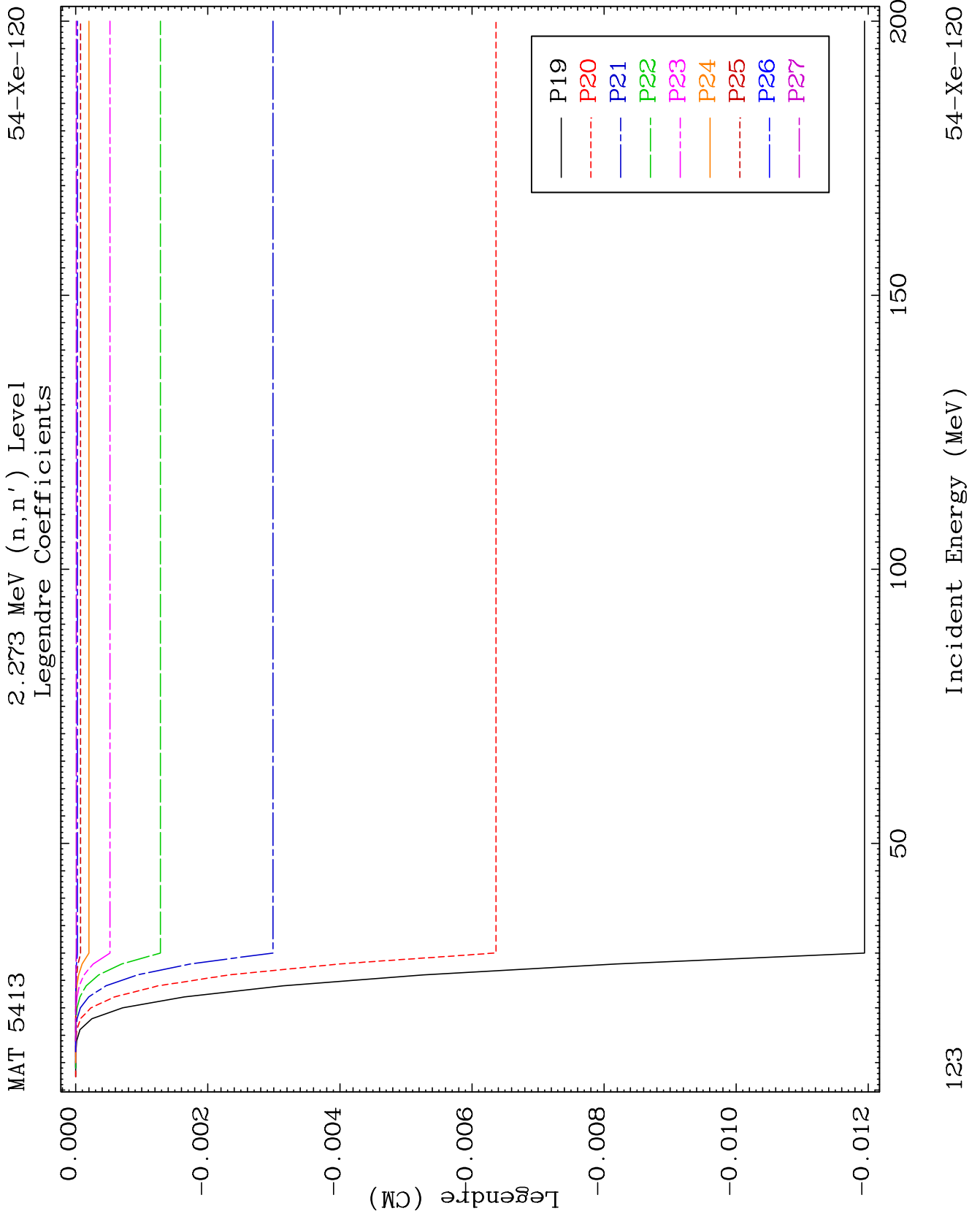
54-Xe-120

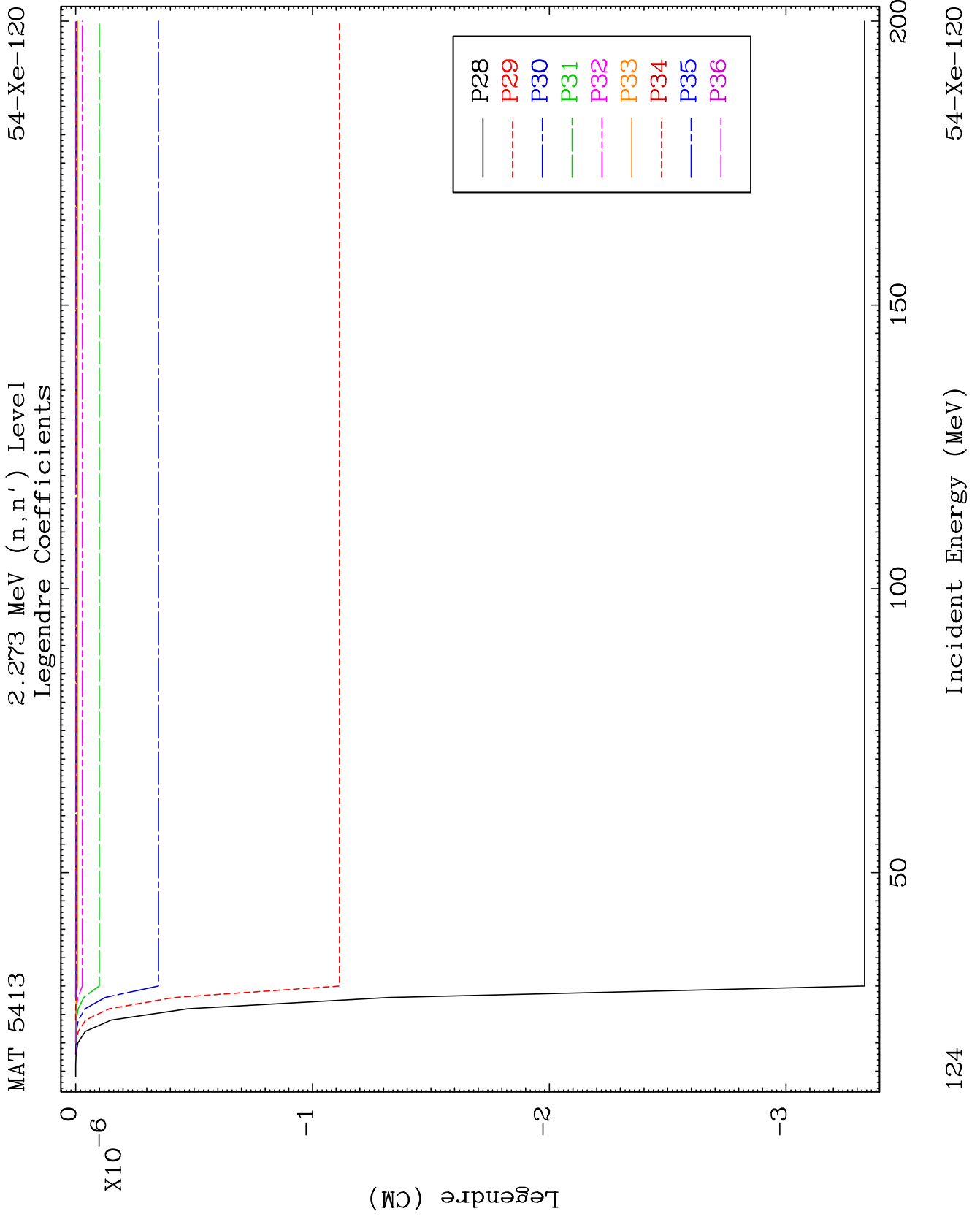










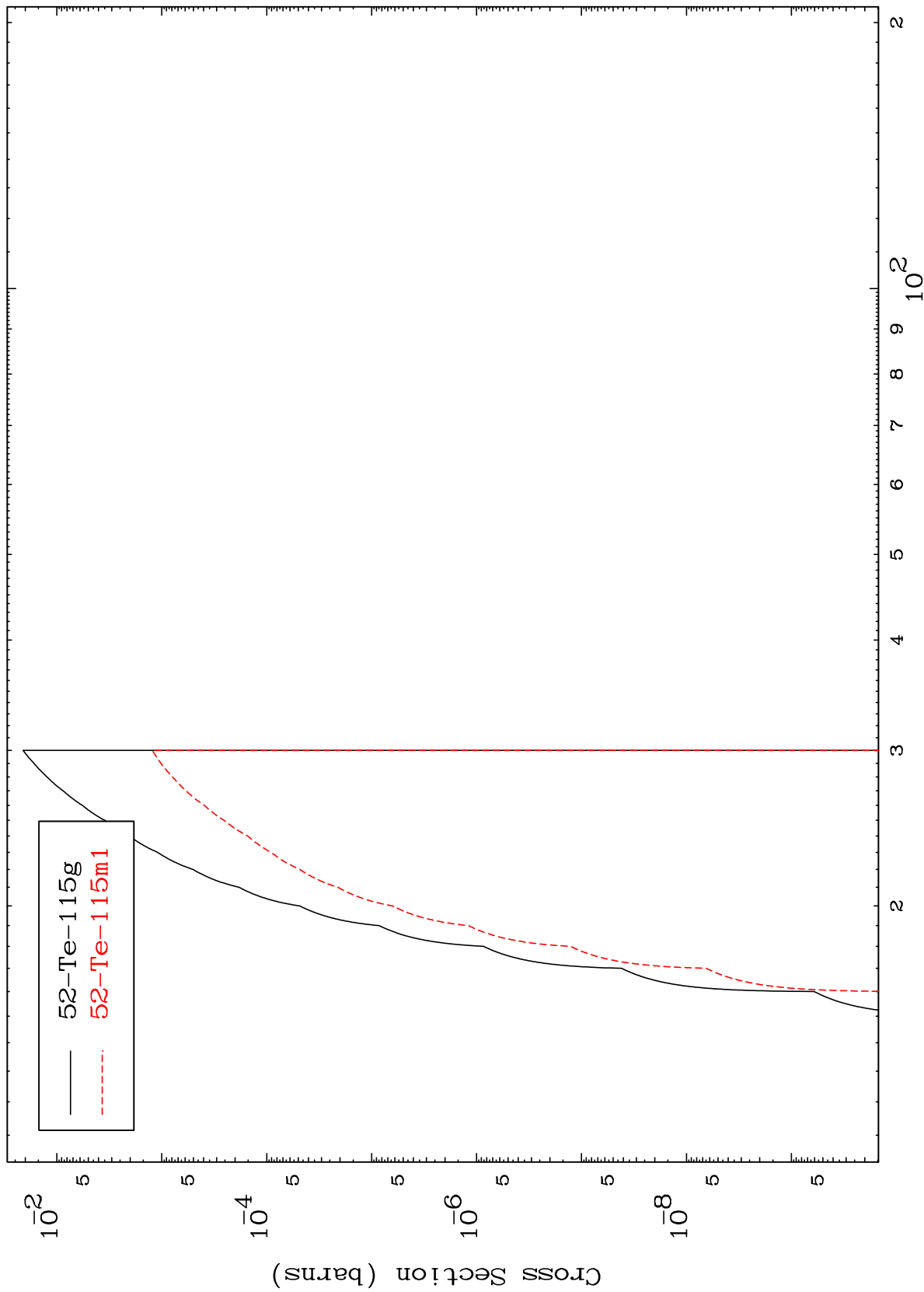


MAT 5413

(n,2n)  $\alpha$

54-Xe-120

Radionuclide Production Cross Section



125

Incident Energy (MeV)

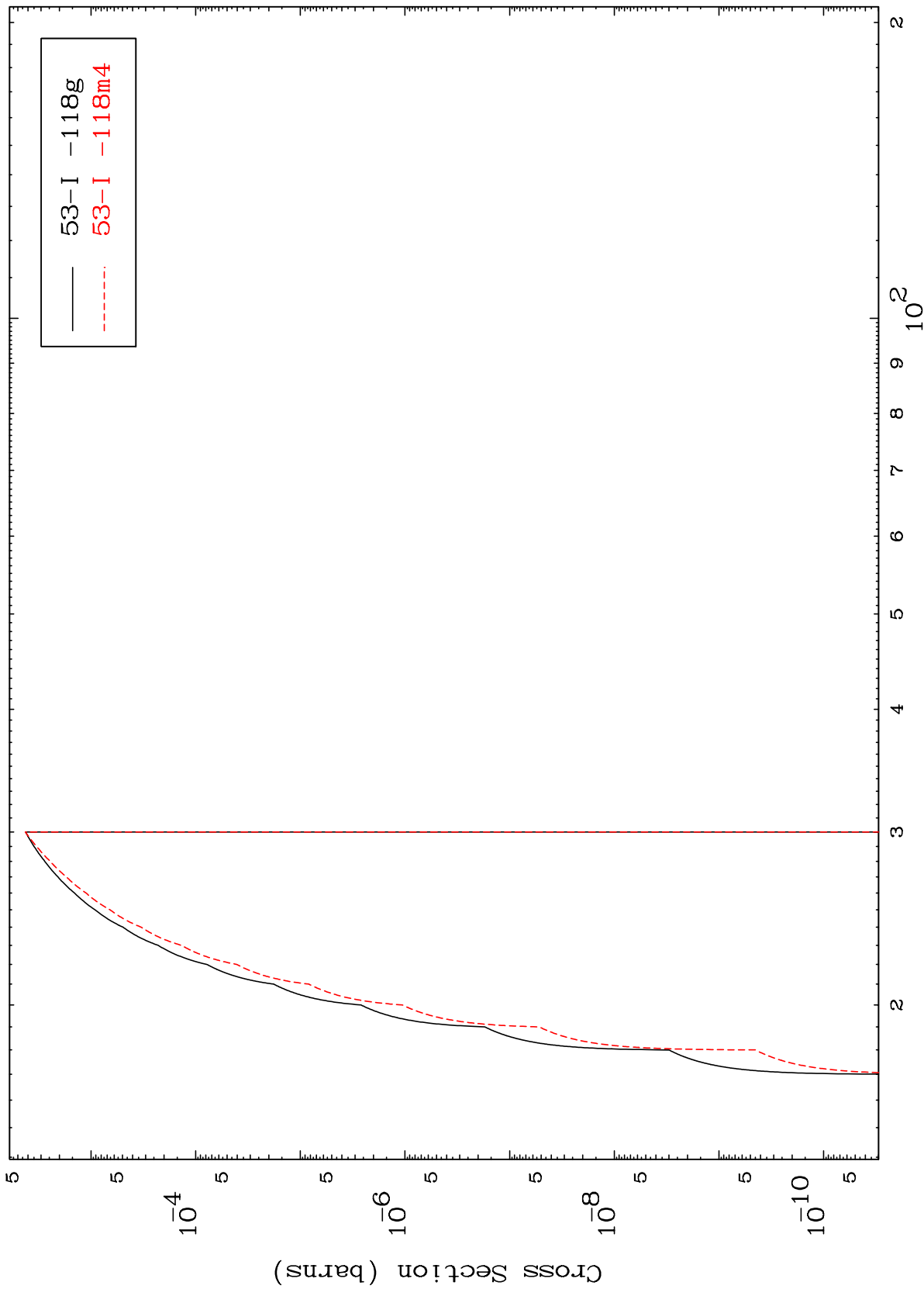
54-Xe-120

MAT 5413

(n,n') d

54-Xe-120

Radionuclide Production Cross Section



126

Incident Energy (MeV)

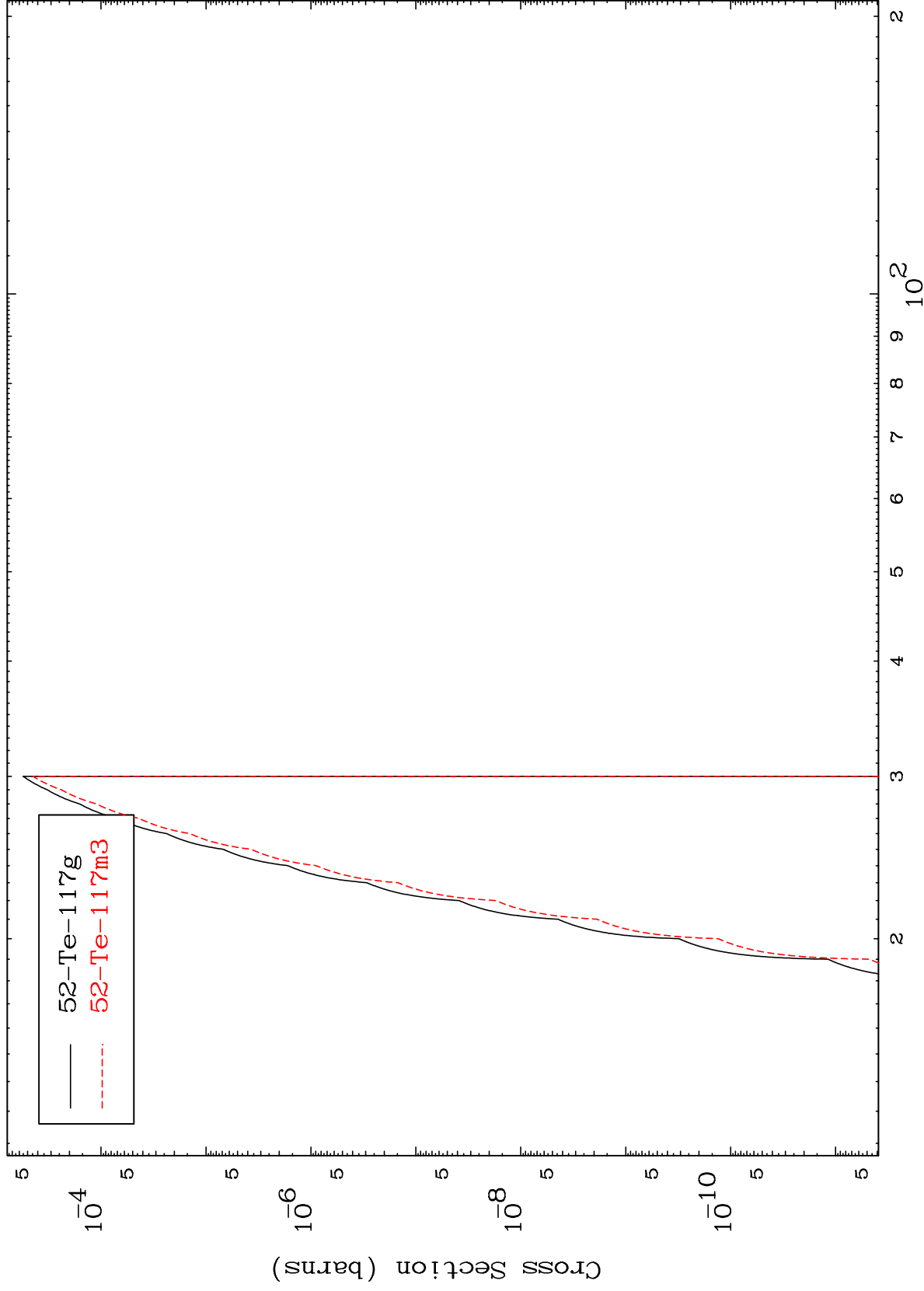
54-Xe-120

MAT 5413

(n,n') He-3

54-Xe-120

Radionuclide Production Cross Section



127

Incident Energy (MeV)

54-Xe-120

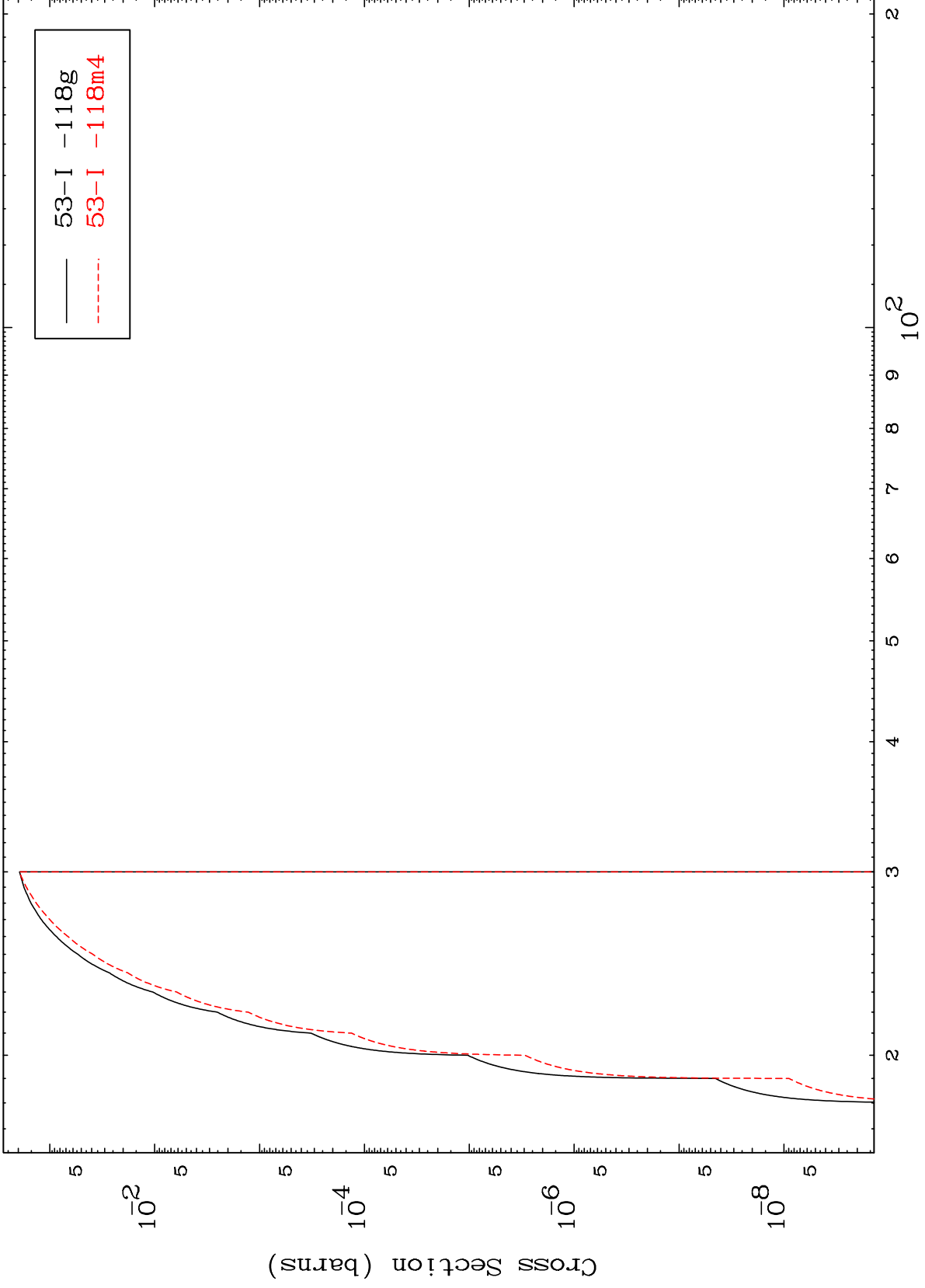


MAT 5413

(n,2n) p

54-Xe-120

Radionuclide Production Cross Section



128

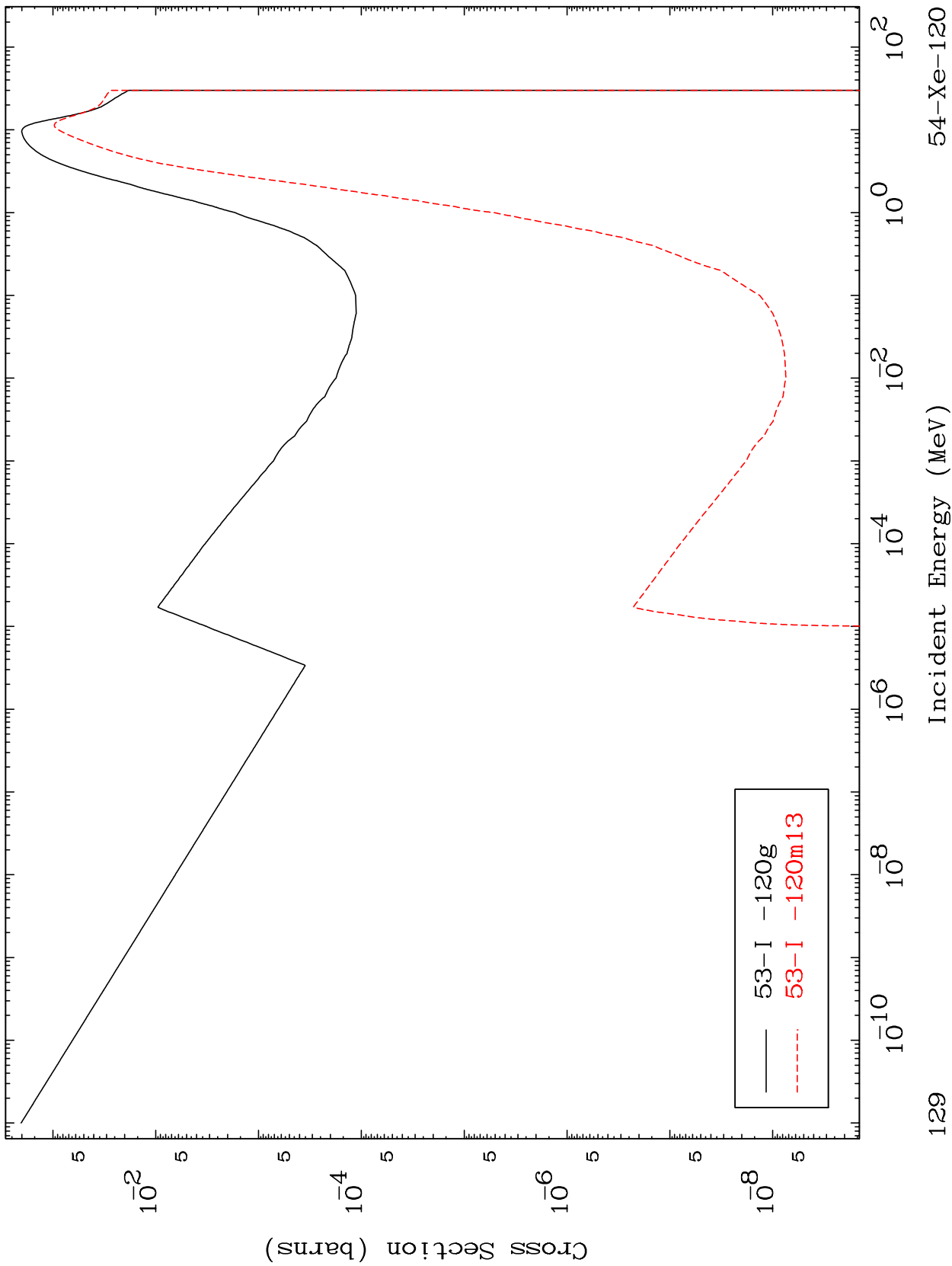
Incident Energy (MeV)

54-Xe-120

MAT 5413

54-Xe-120

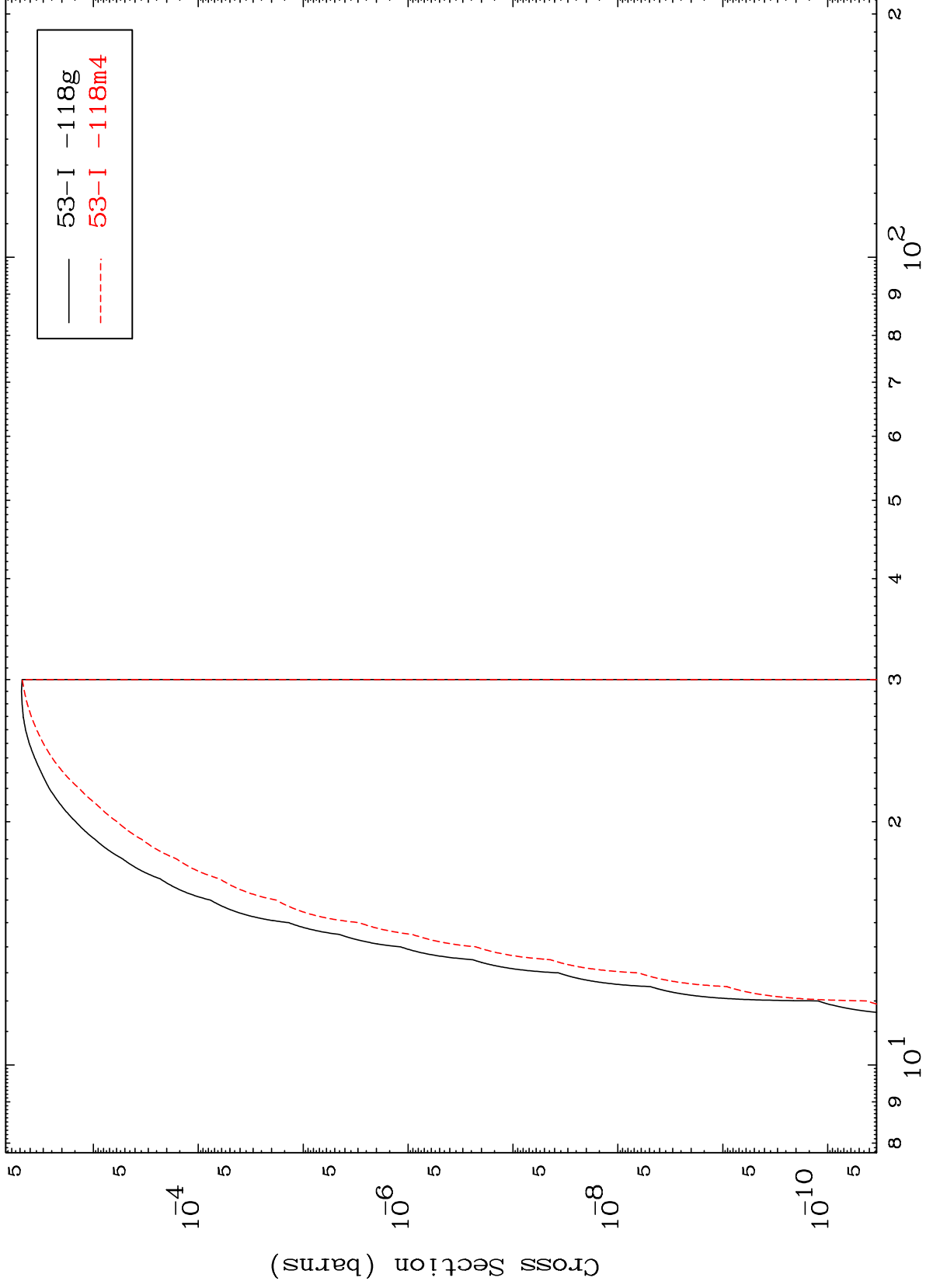
(n,p)  
Radionuclide Production Cross Section



MAT 5413

54-Xe-120

(n,t)  
Radionuclide Production Cross Section



130

Incident Energy (MeV)

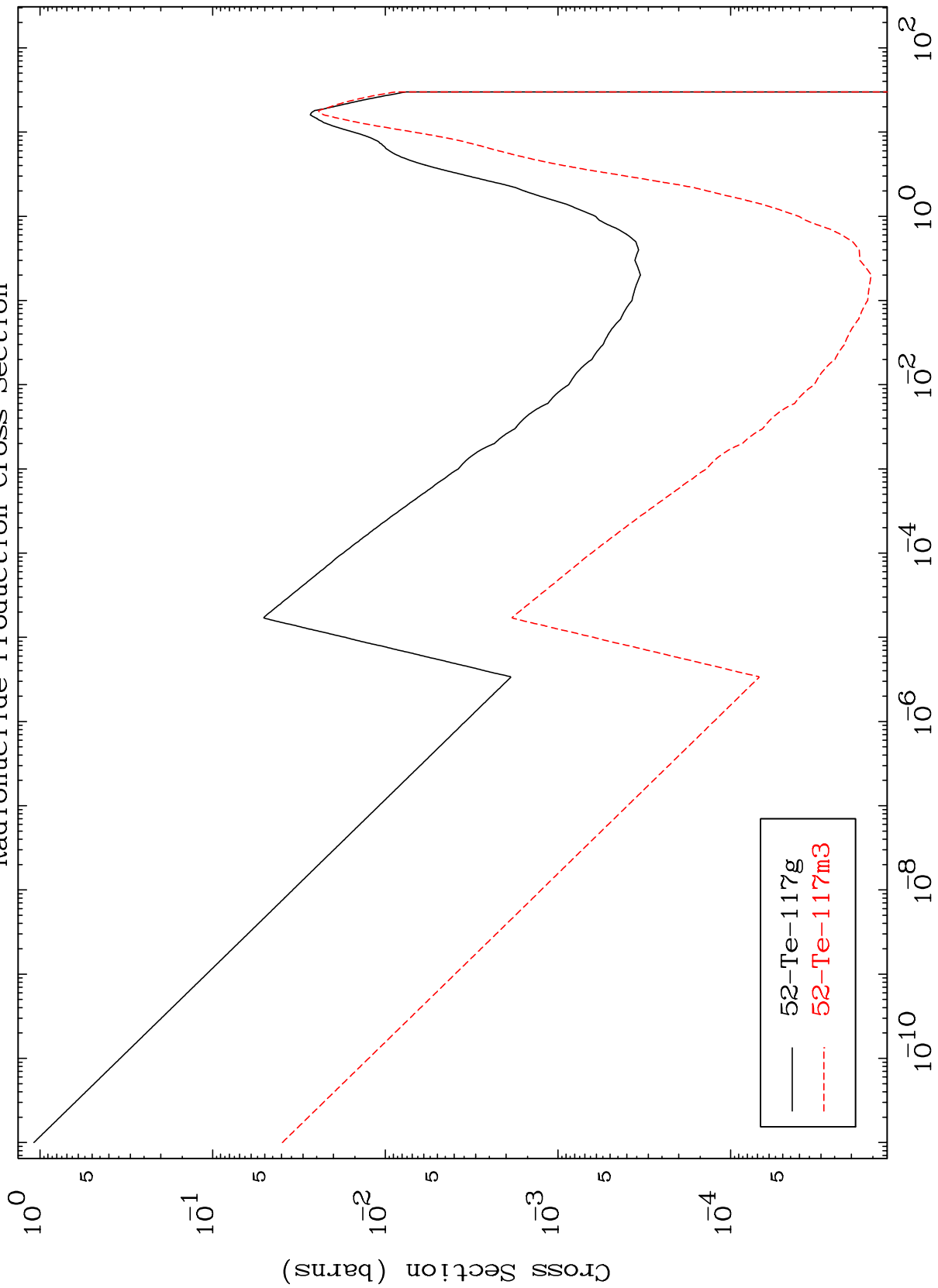
54-Xe-120

MAT 5413

54-Xe-120

Radionuclide Production Cross Section

(n,  $\alpha$ )



— 52-Te-117g  
- - - 52-Te-117m3

131

54-Xe-120

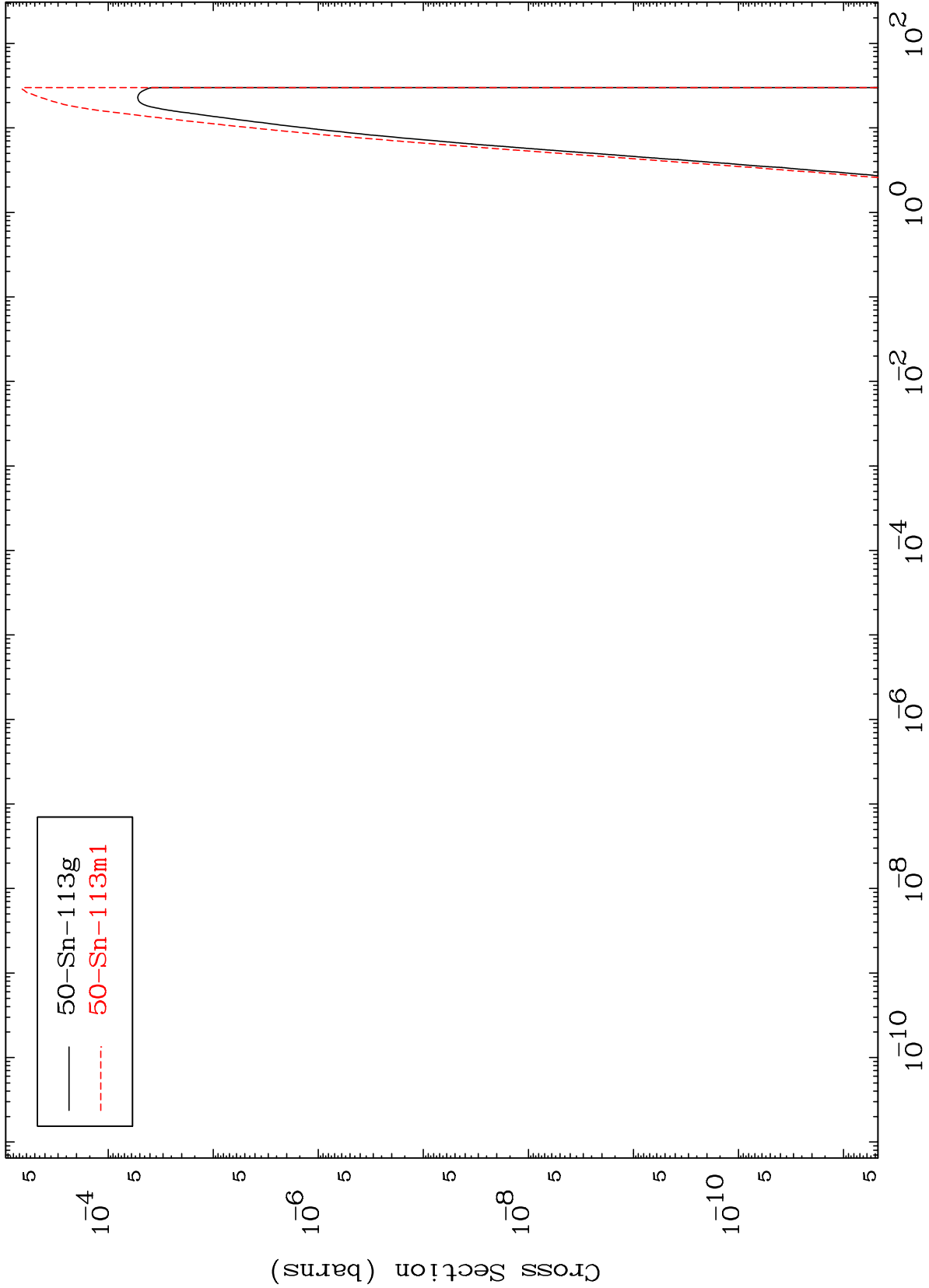
Incident Energy (MeV)

MAT 5413

(n,2α)

54-Xe-120

Radionuclide Production Cross Section

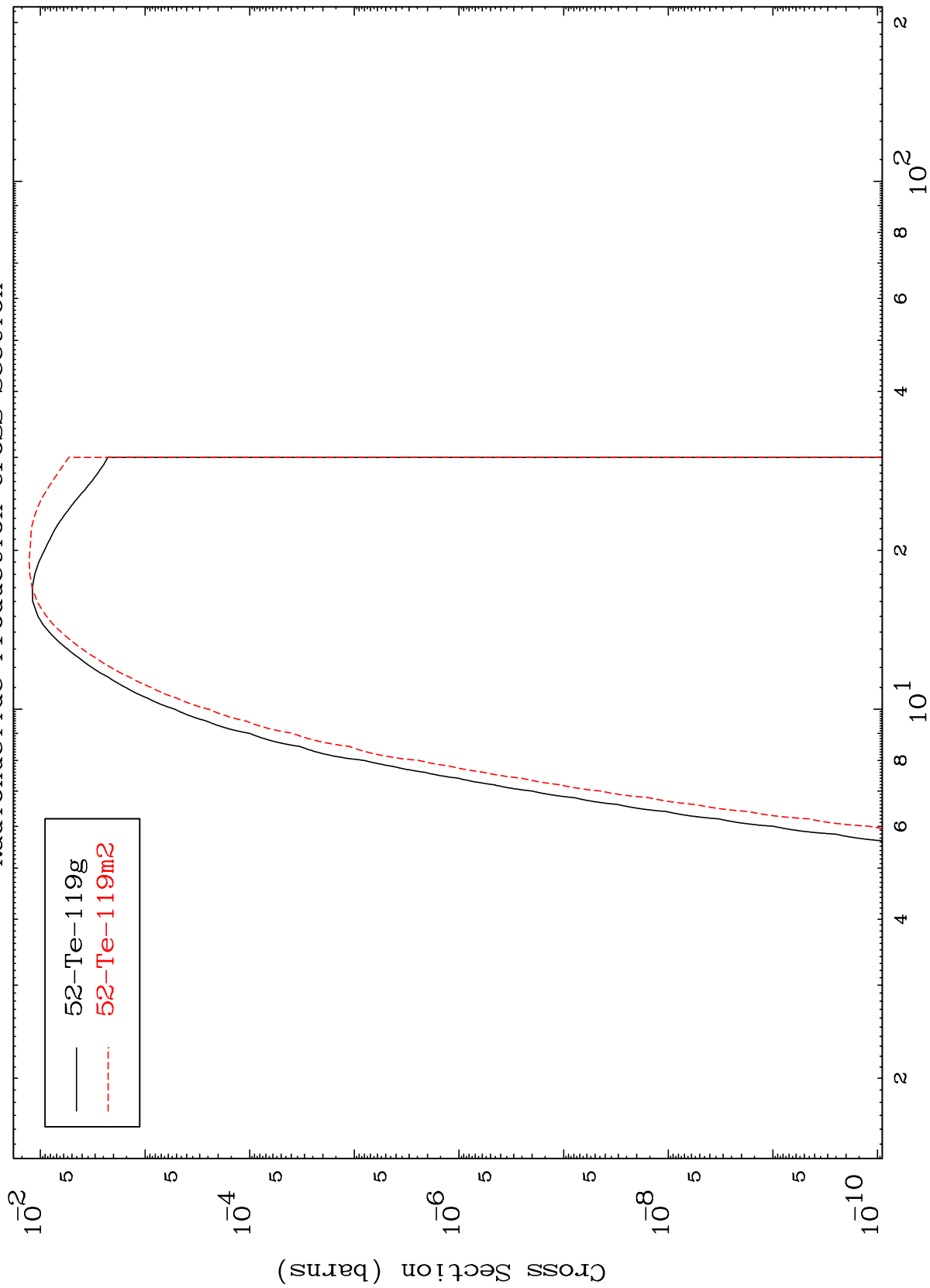


50-Sn-113g  
50-Sn-113m1

MAT 5413

54-Xe-120

(n,2p)  
Radionuclide Production Cross Section



133

54-Xe-120

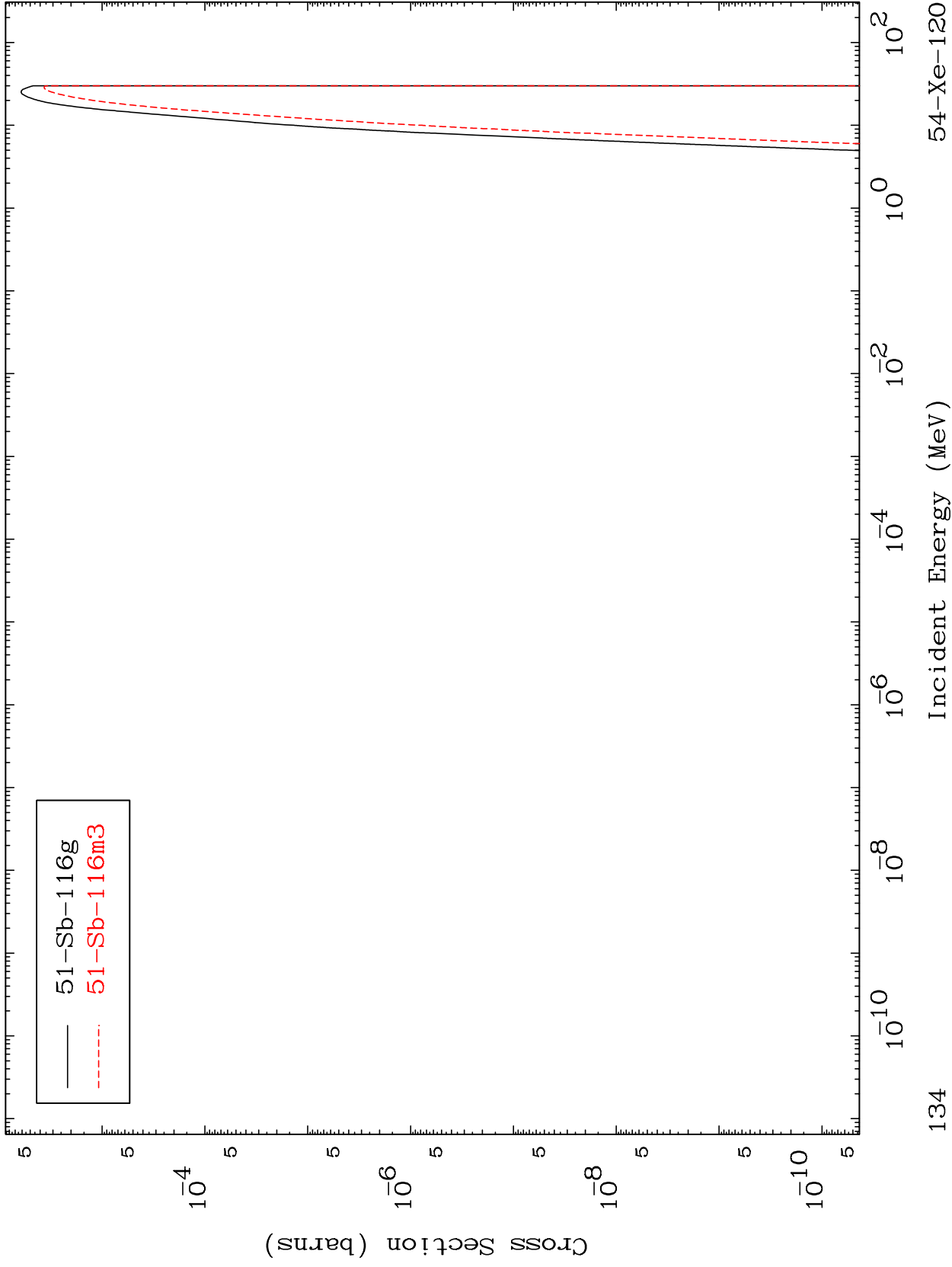
Incident Energy (MeV)

MAT 5413

(n,p)  $\alpha$

54-Xe-120

Radionuclide Production Cross Section



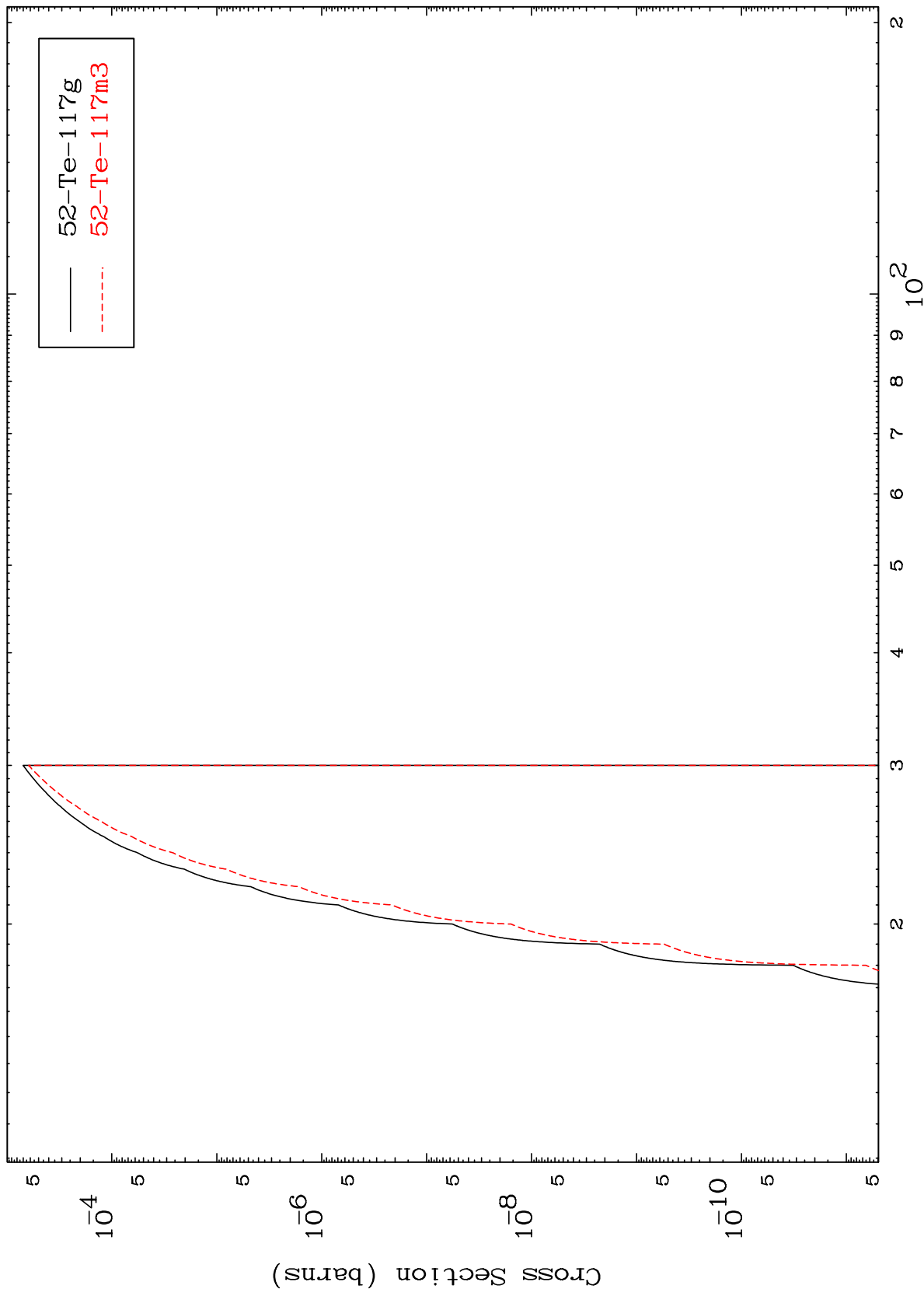
134

MAT 5413

(n,p) t

54-Xe-120

Radionuclide Production Cross Section



135

Incident Energy (MeV)

54-Xe-120