

Program EVALPLOT  
(Version 2015-2)

by

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(Present Contact Information)

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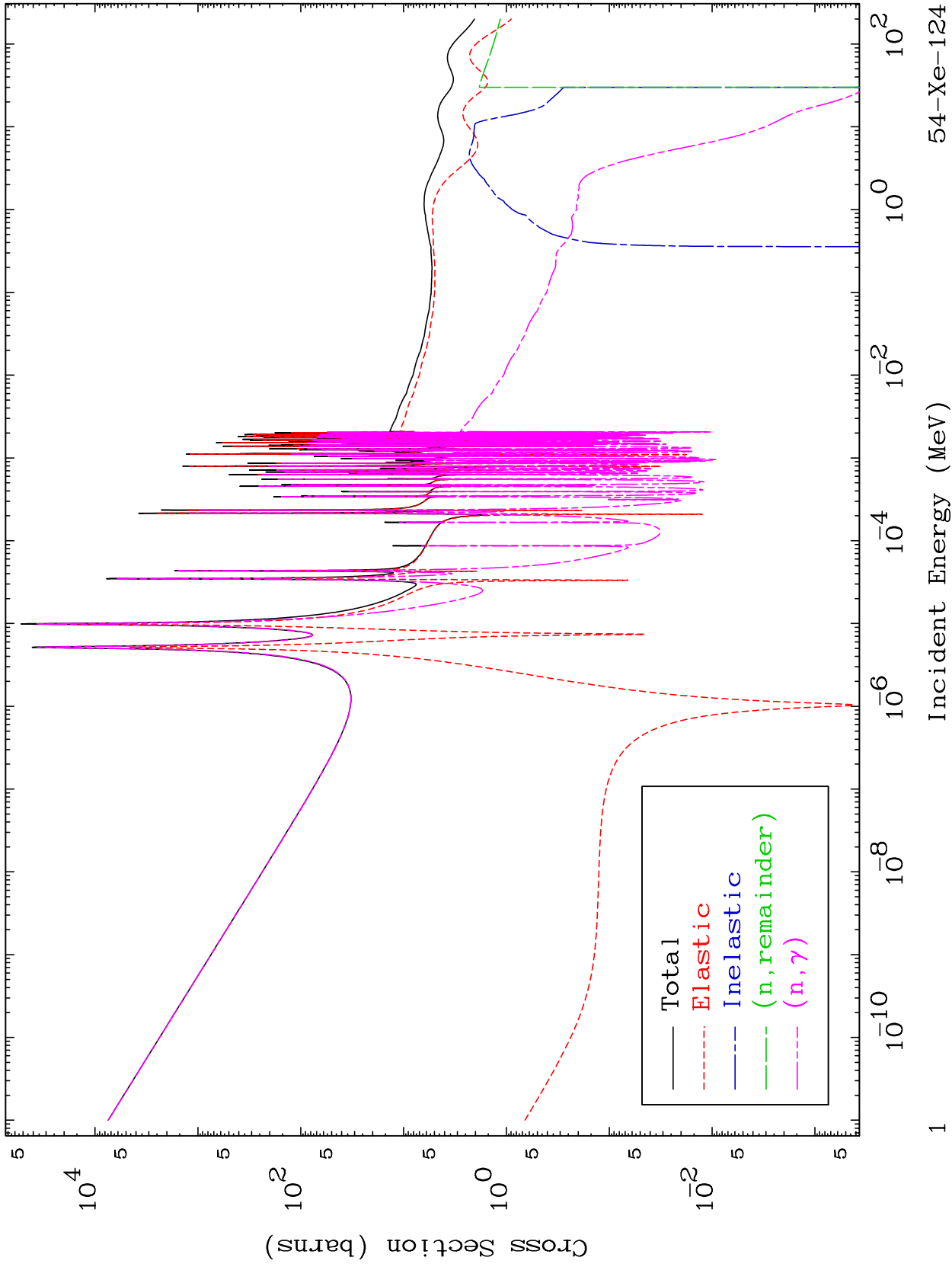
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5425

Major  
293 Kelvin Cross Sections

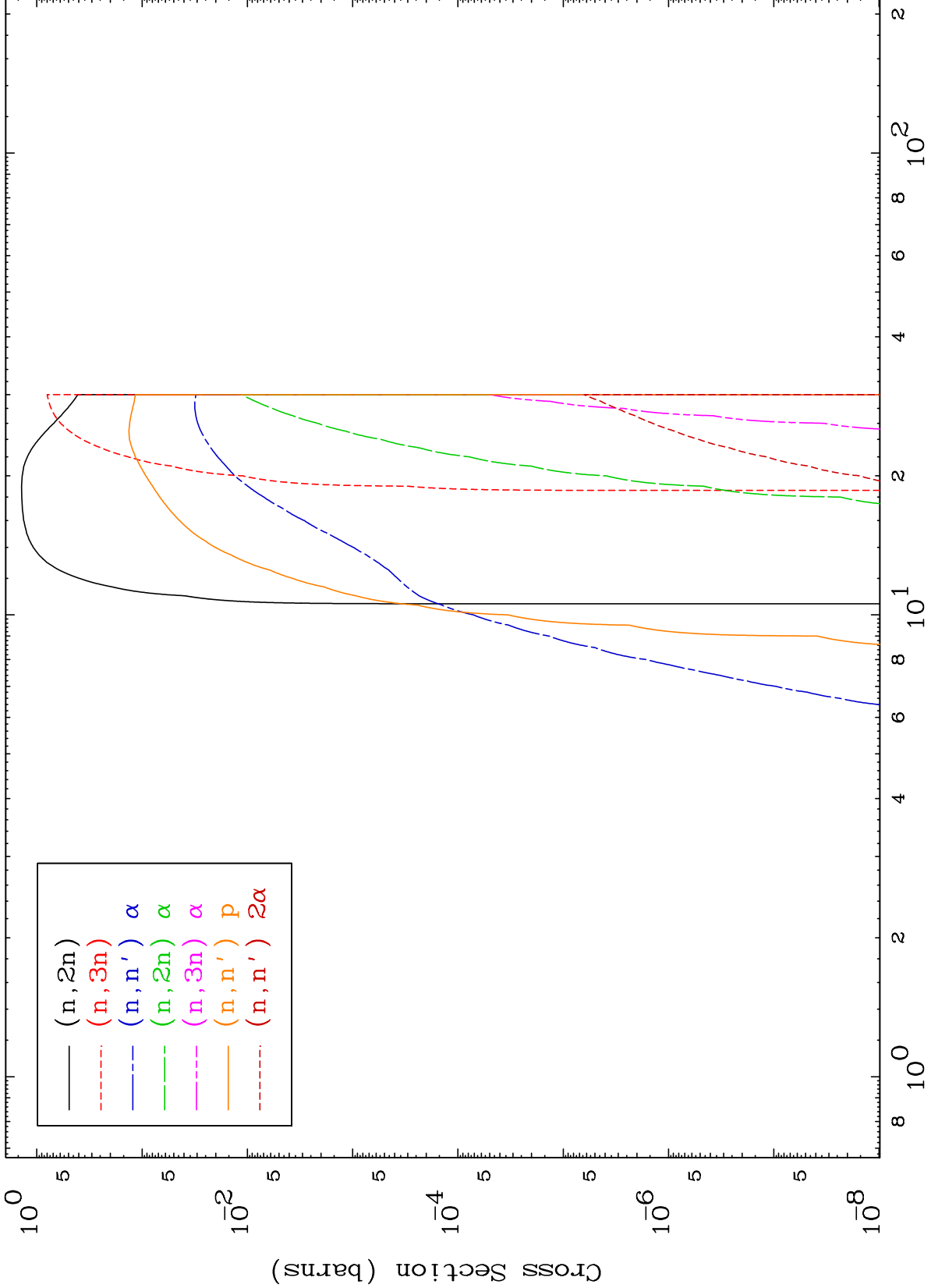
54-Xe-124



MAT 5425

Neutron Production  
293 Kelvin Cross Sections

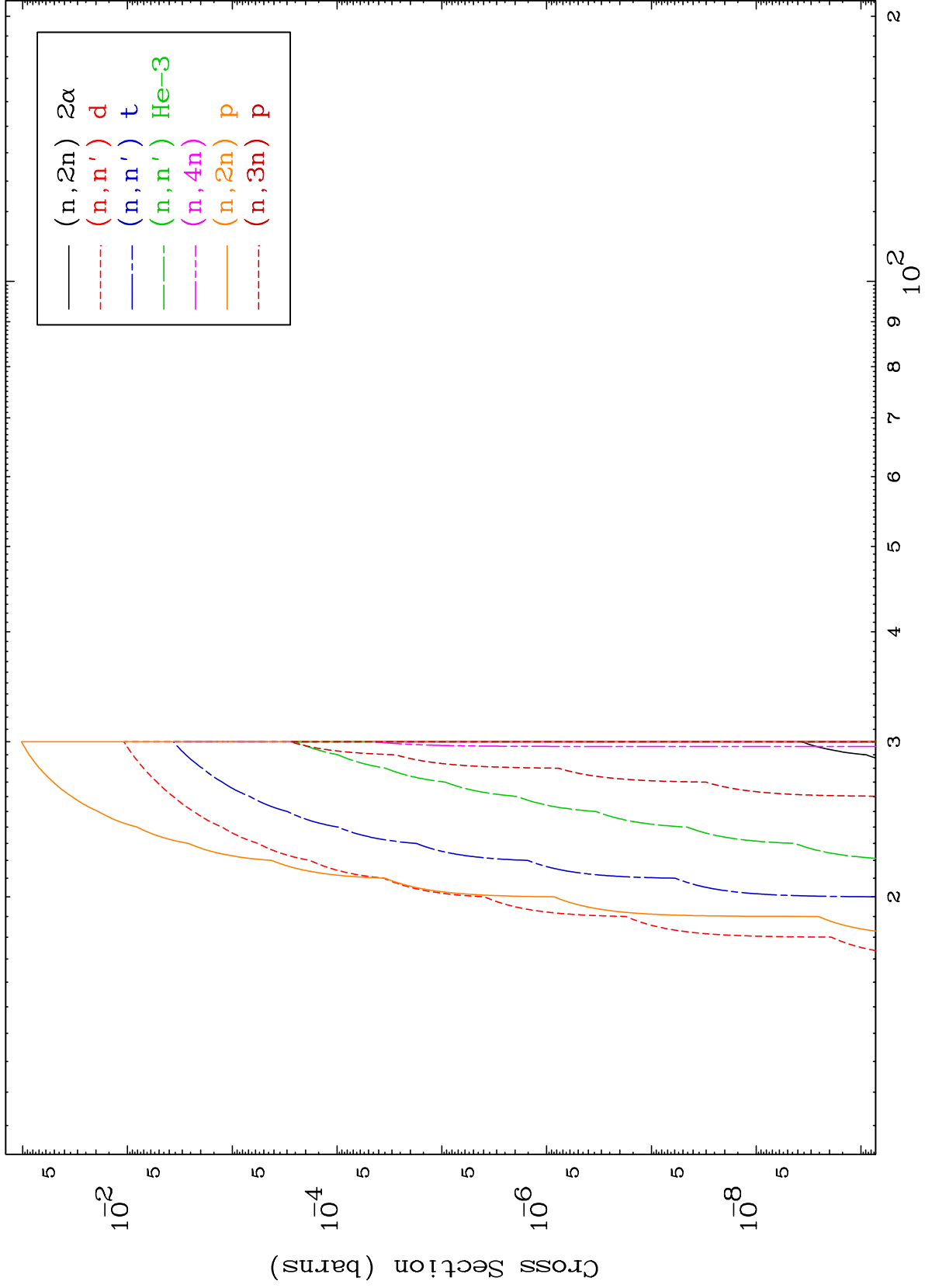
54-Xe-124



2

Incident Energy (MeV)

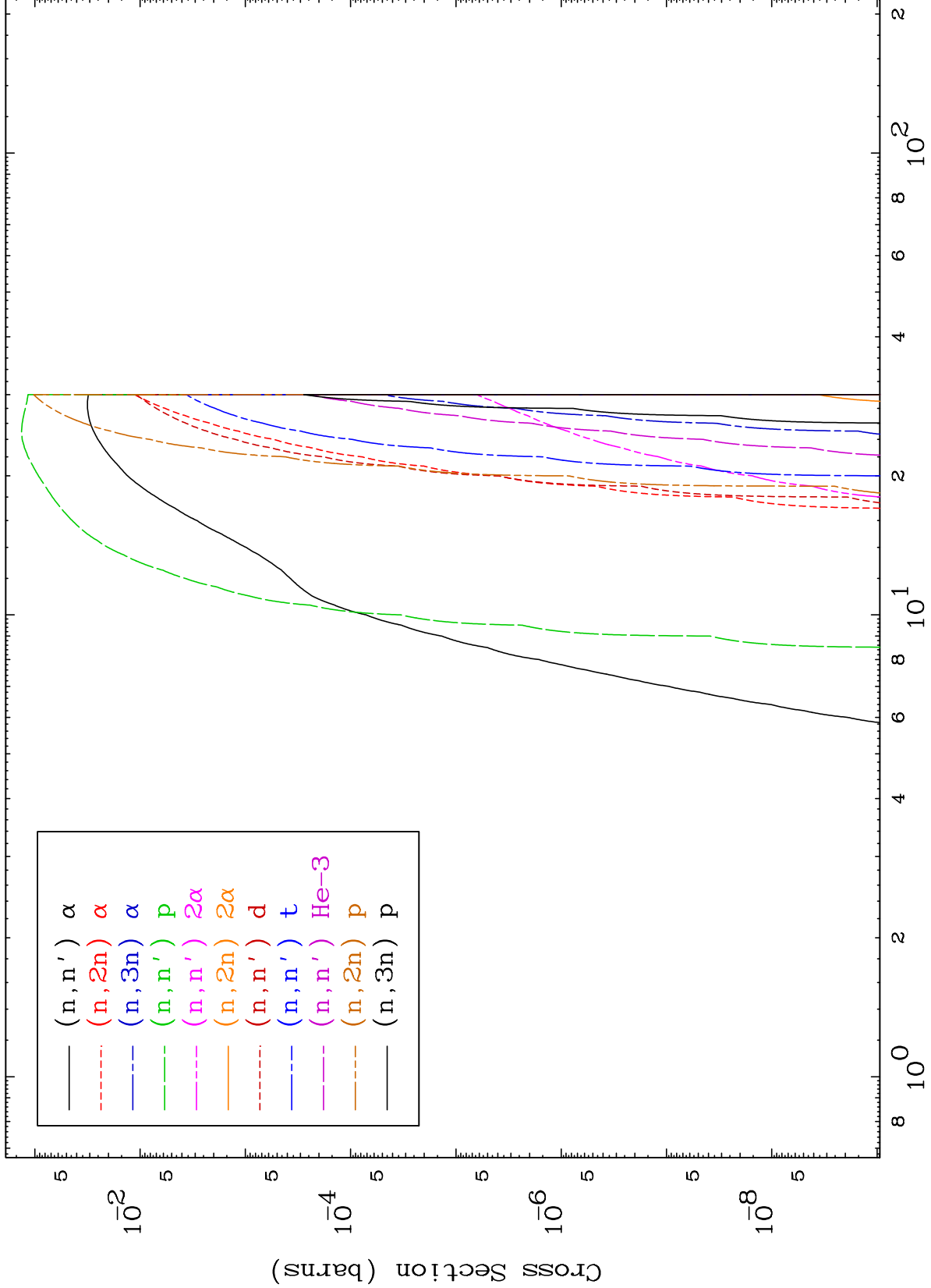
54-Xe-124



MAT 5425

Charged Particle  
293 Kelvin Cross Sections

54-Xe-124



4

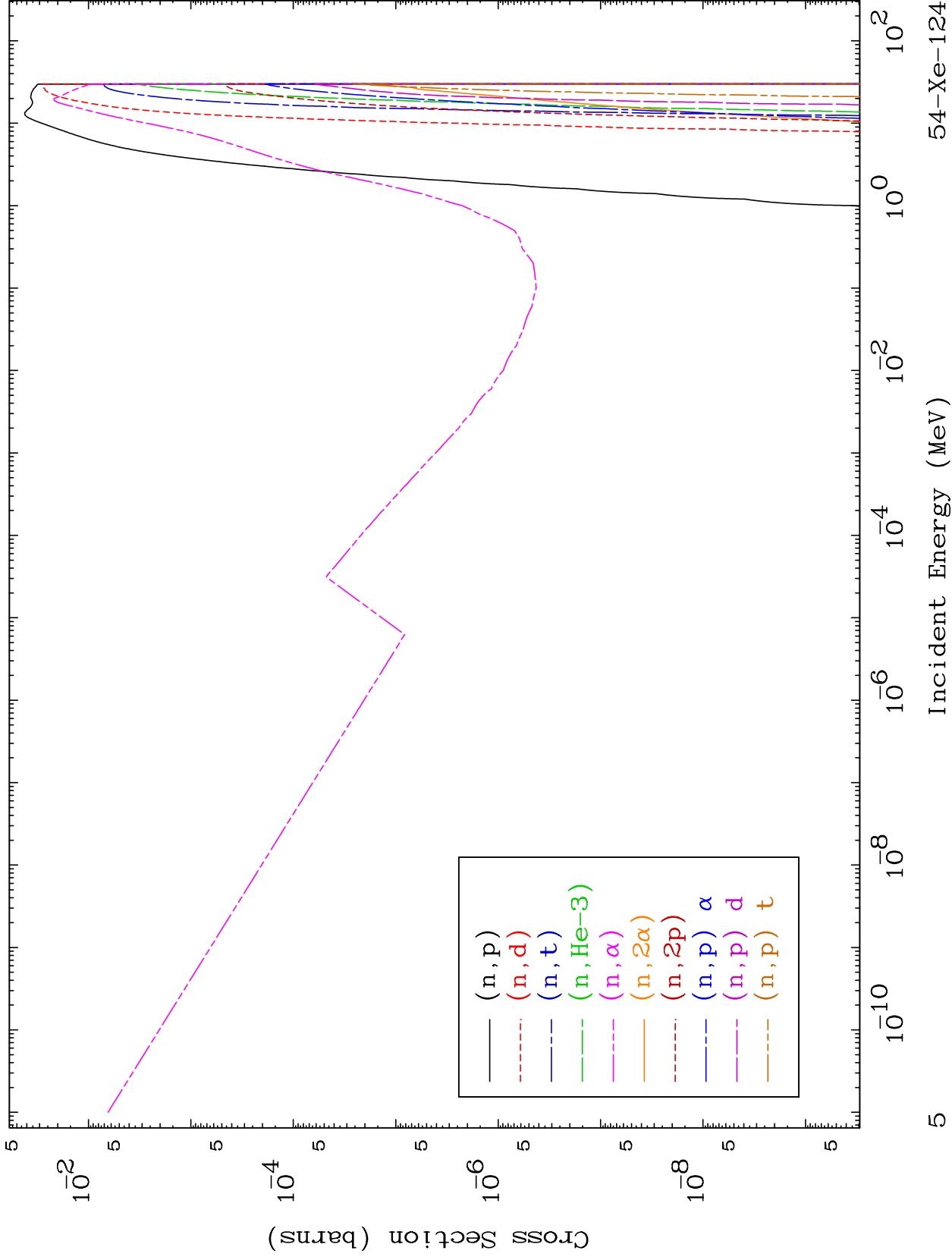
Incident Energy (MeV)

54-Xe-124

MAT 5425

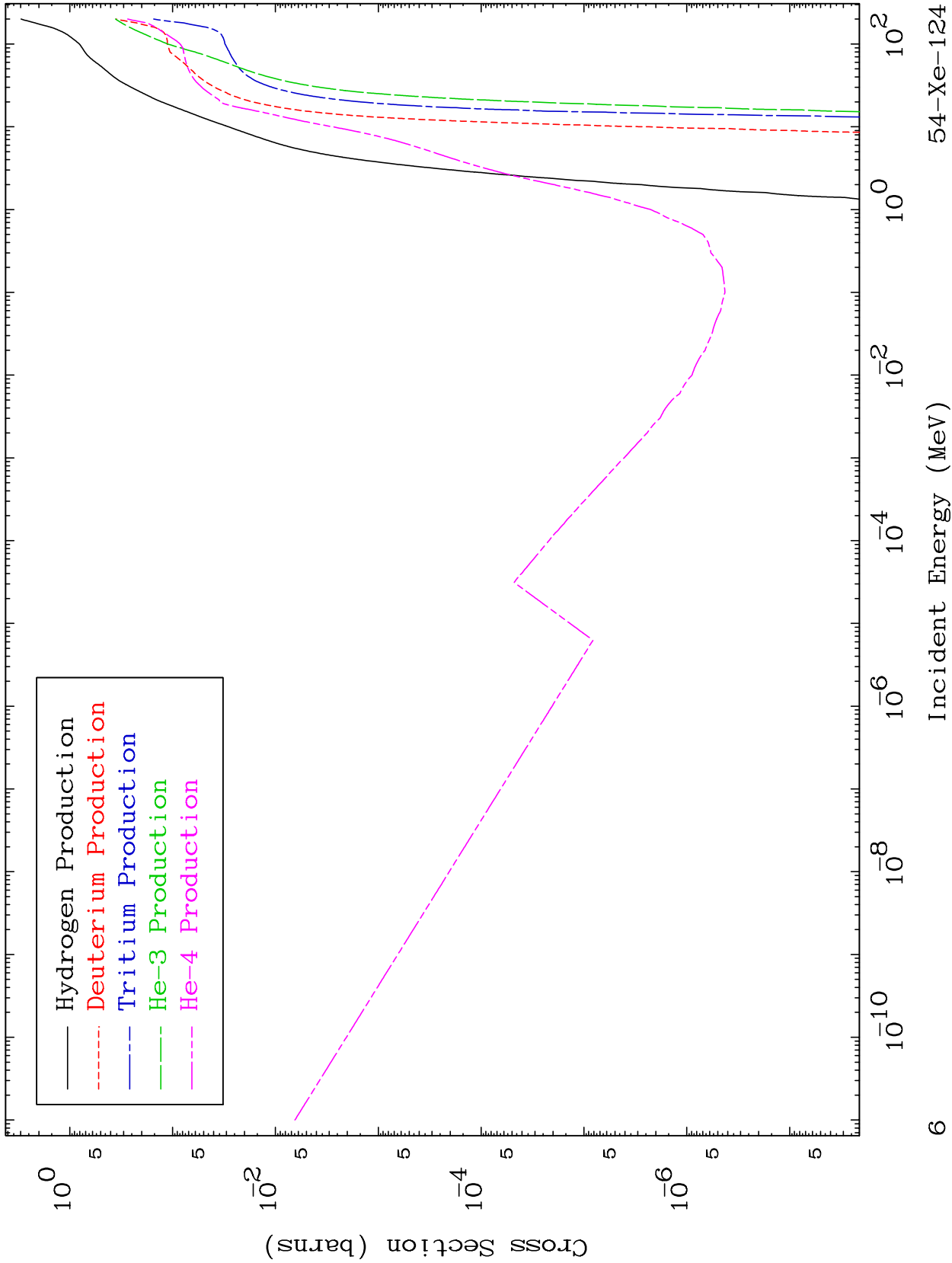
Charged Particle  
293 Kelvin Cross Sections

54-Xe-124



5

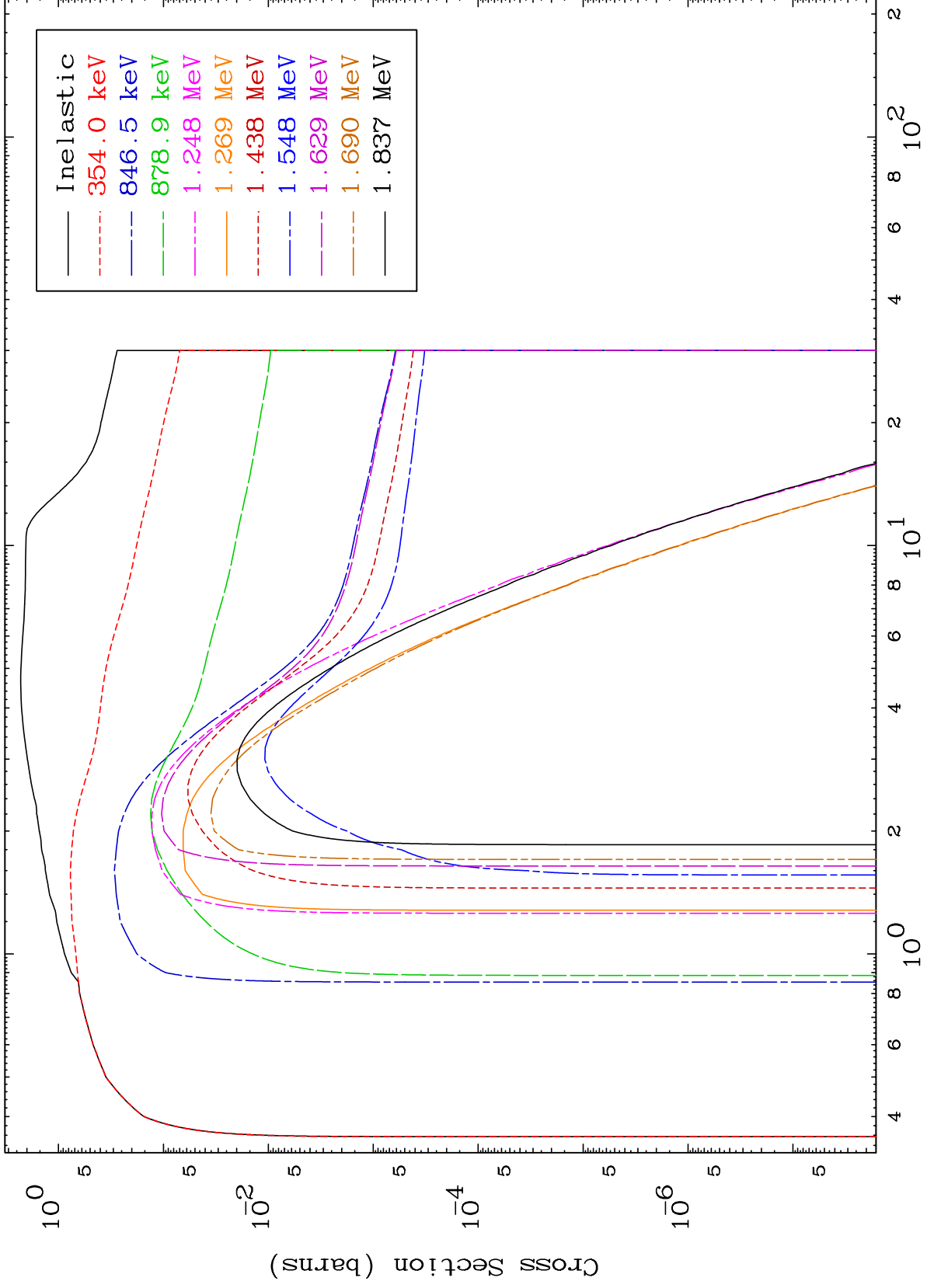
54-Xe-124



MAT 5425

(n,n') Level  
293 Kelvin Cross Sections

54-Xe-124

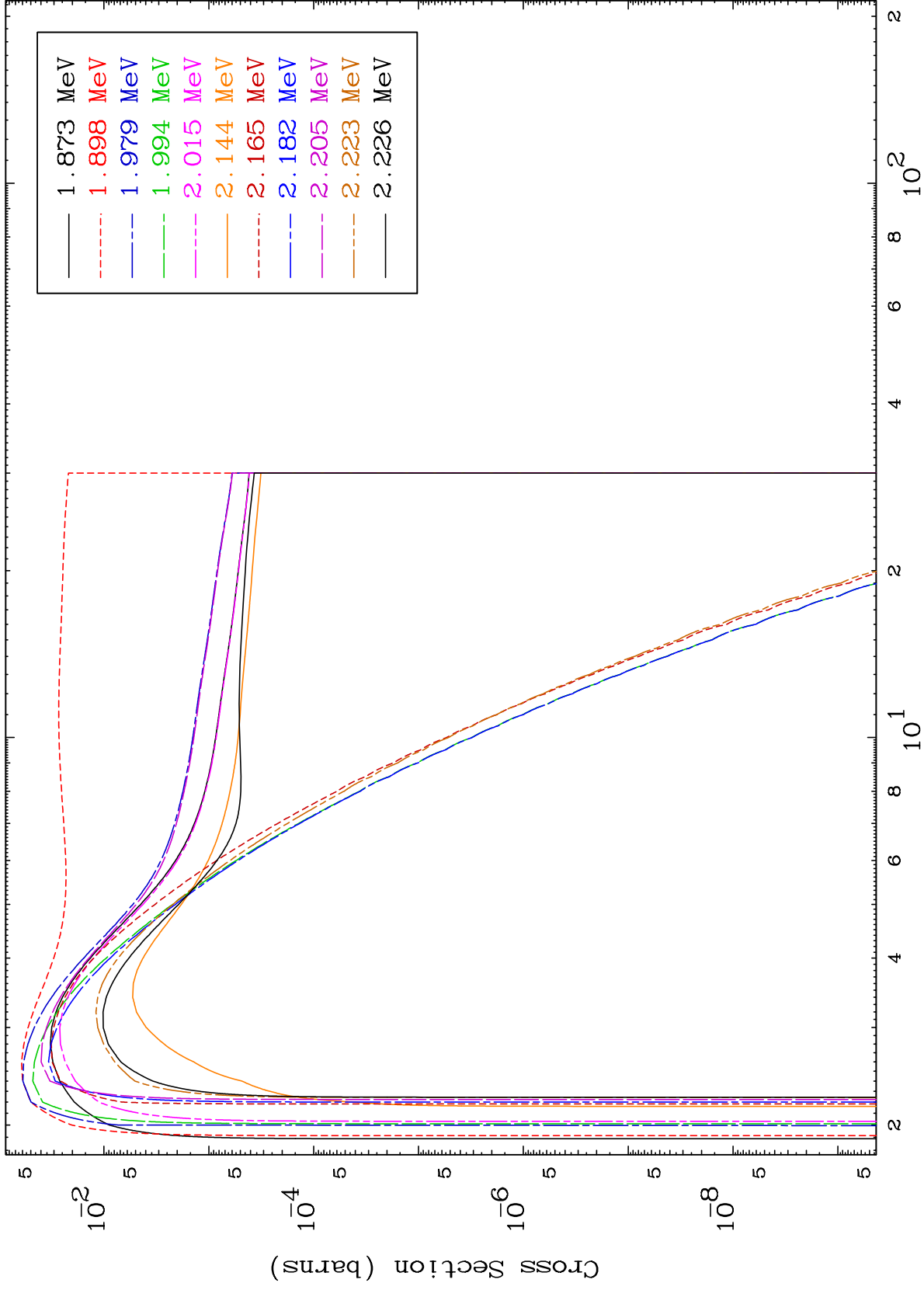




MAT 5425

(n,n') Level  
293 Kelvin Cross Sections

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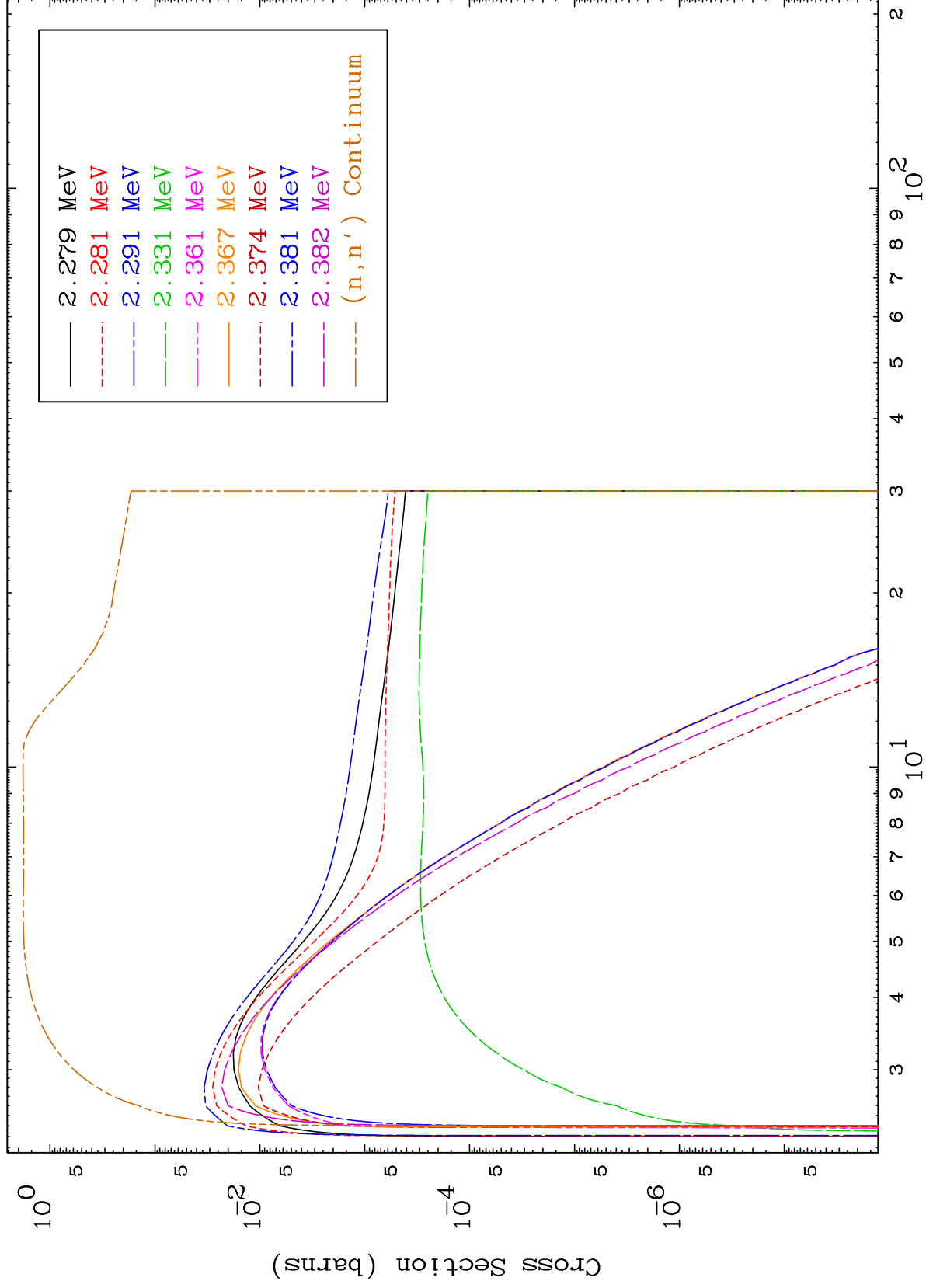


54-Xe-124

Incident Energy (MeV)

8

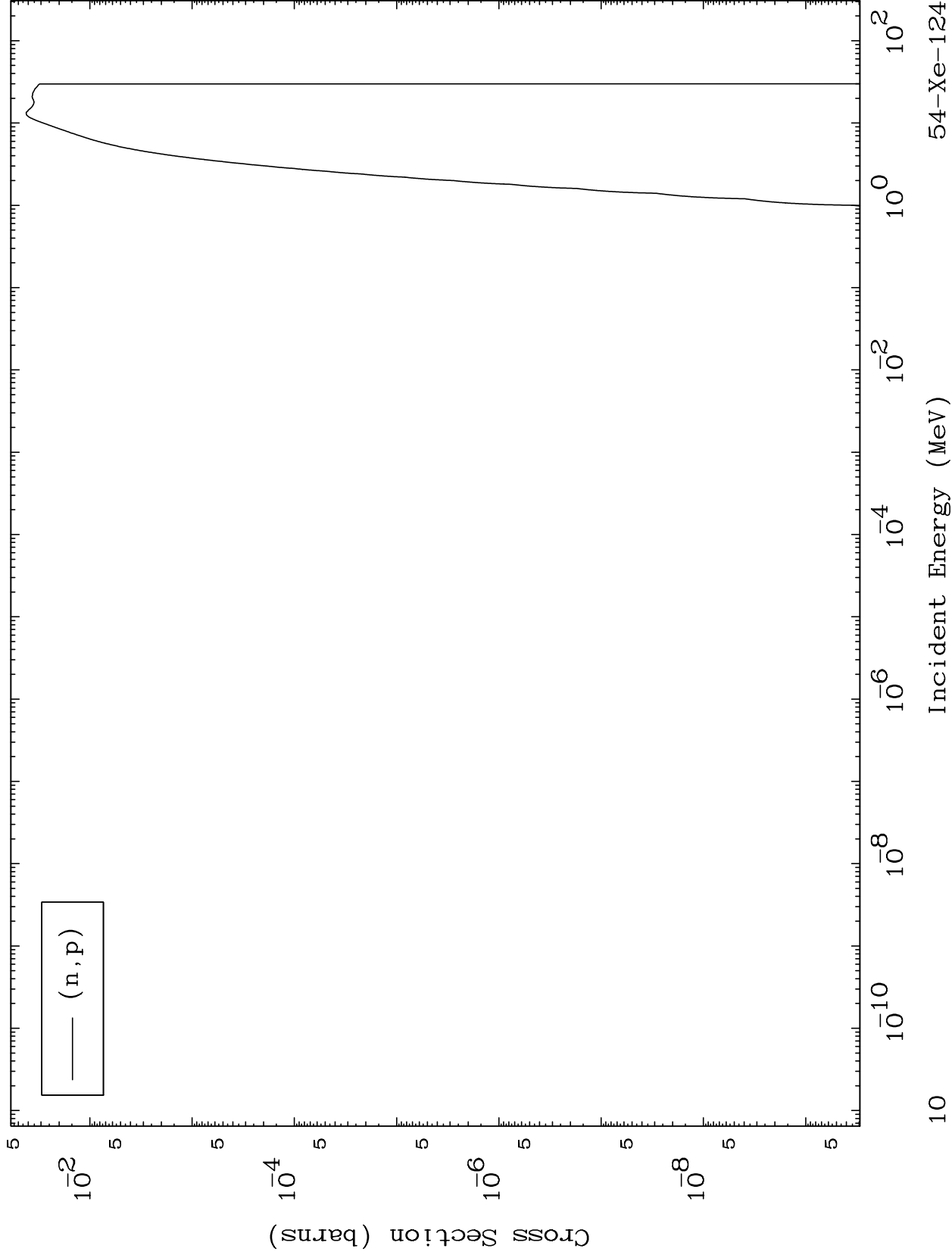
293 Kelvin Cross Sections



MAT 5425

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-124



54-Xe-124

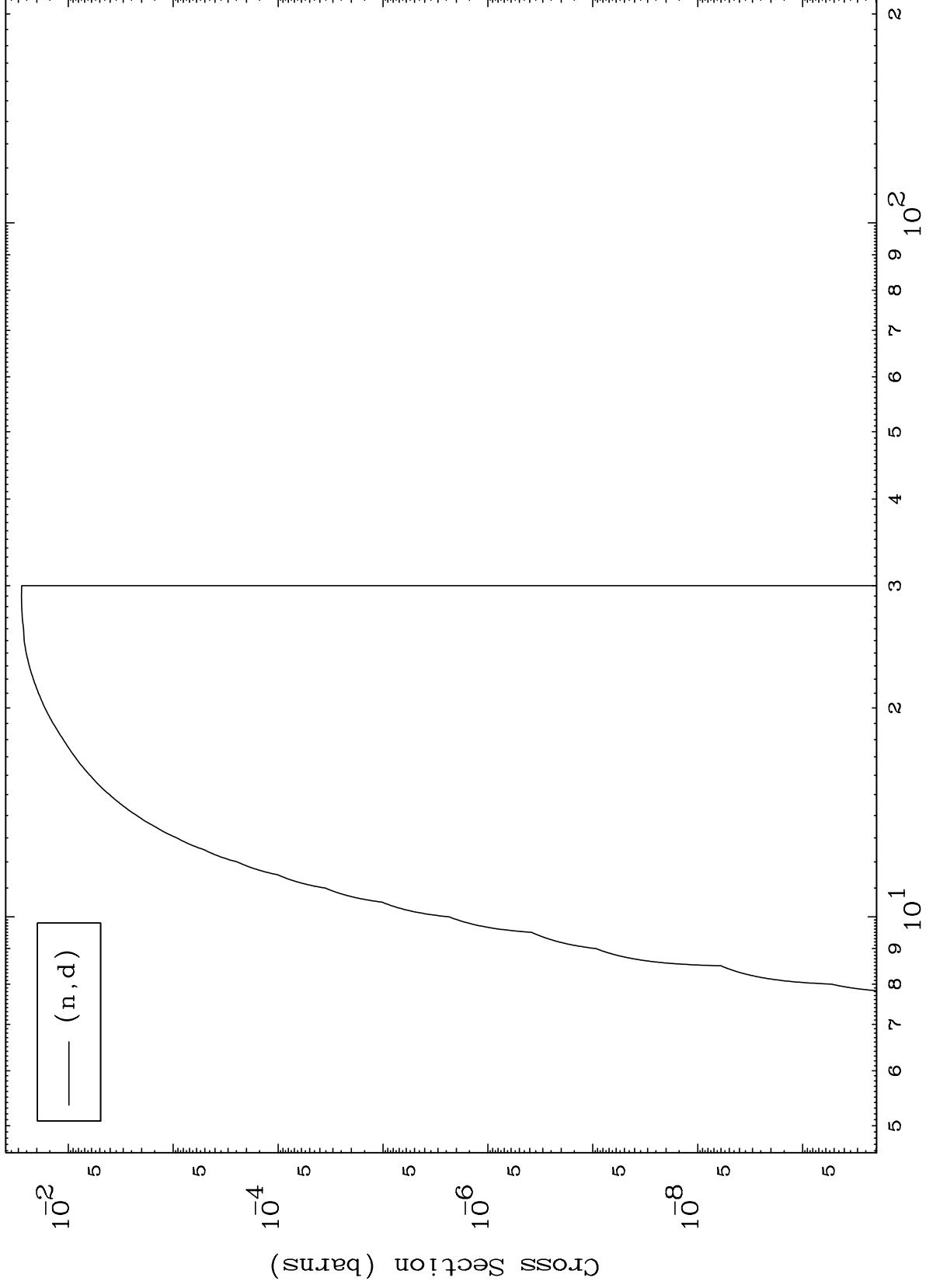
Incident Energy (MeV)

10

MAT 5425

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-124



11

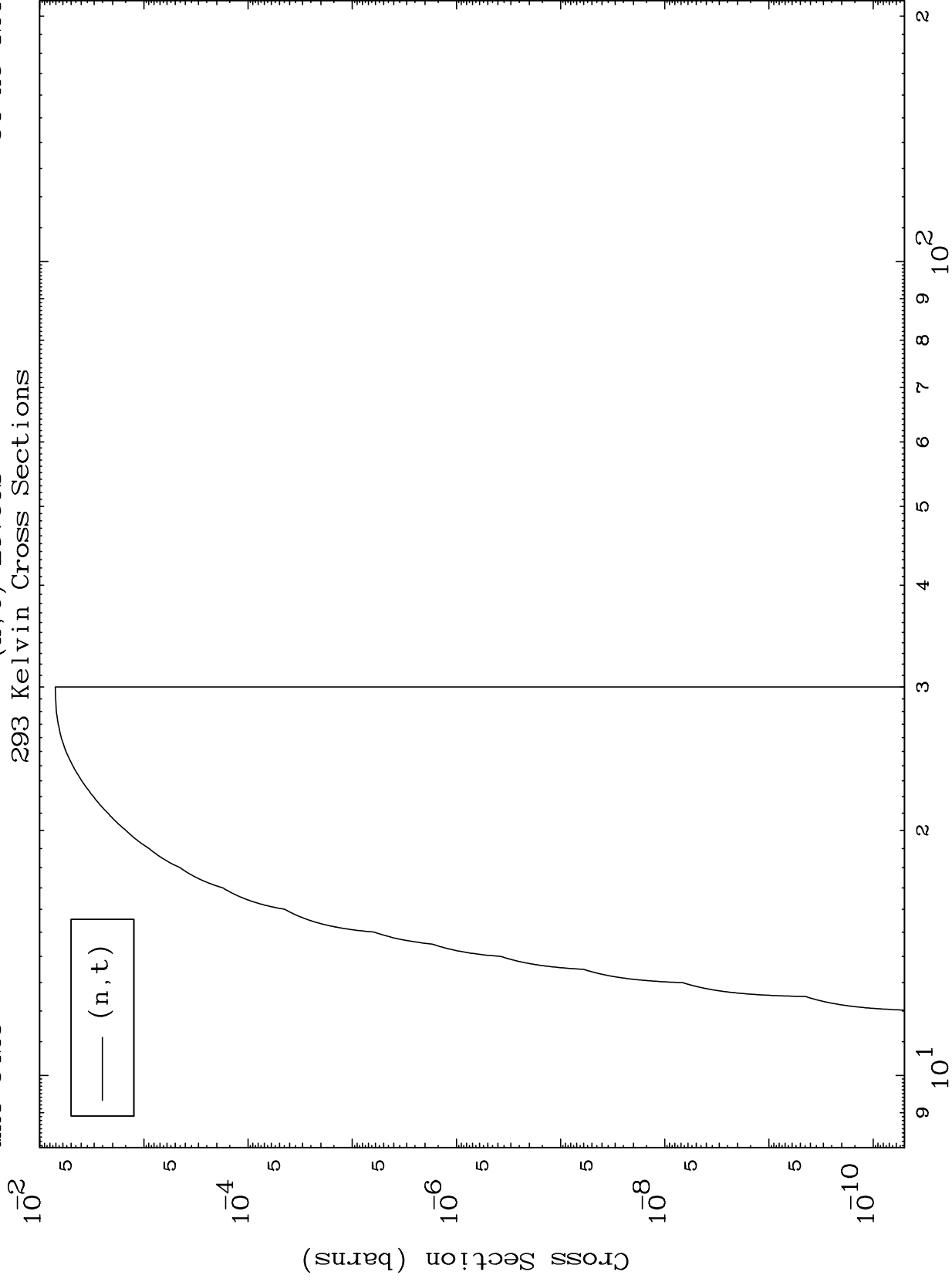
Incident Energy (MeV)

54-Xe-124

MAT 5425

(n,t) Levels  
293 Kelvin Cross Sections

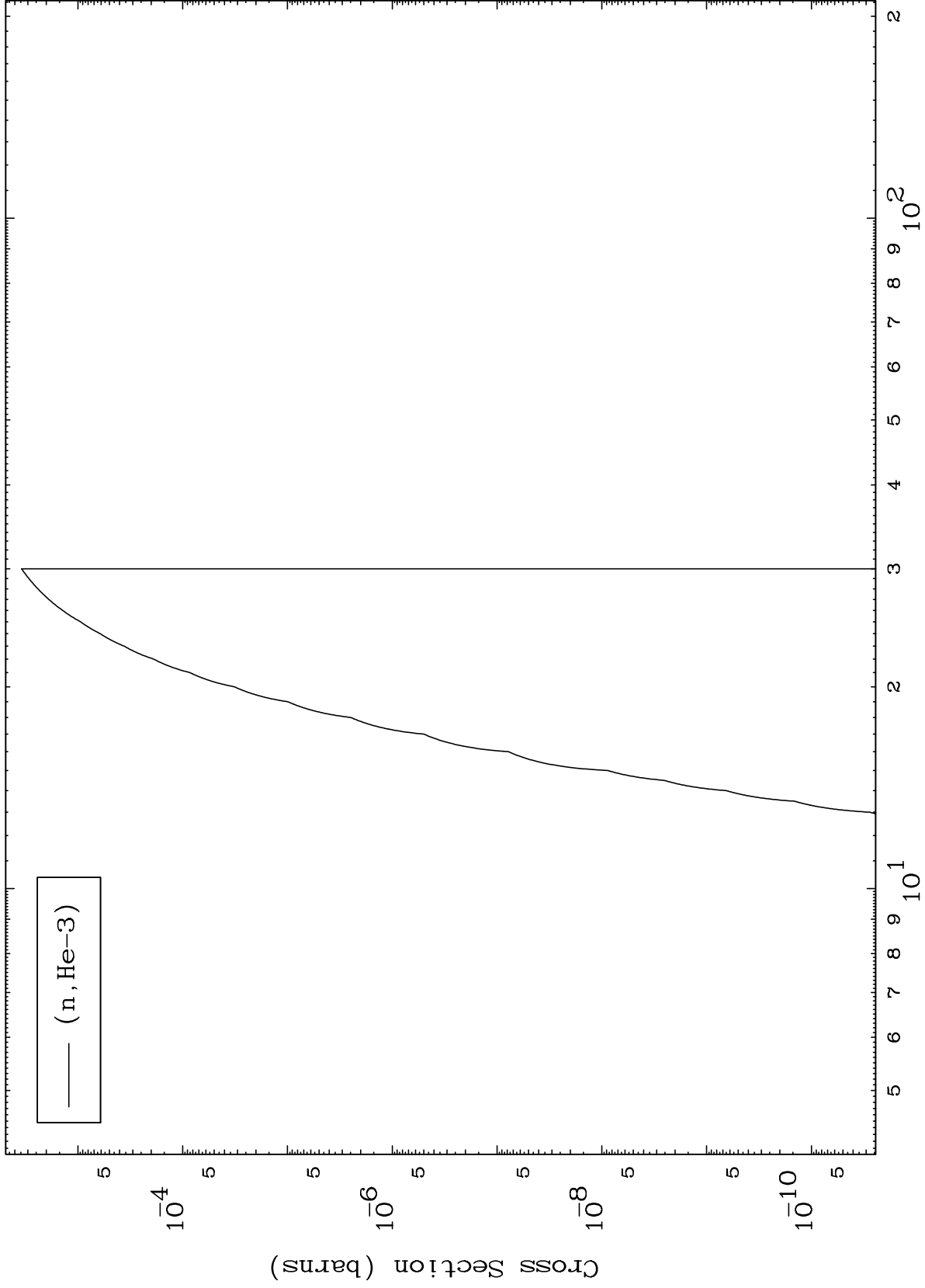
54-Xe-124



12

Incident Energy (MeV)

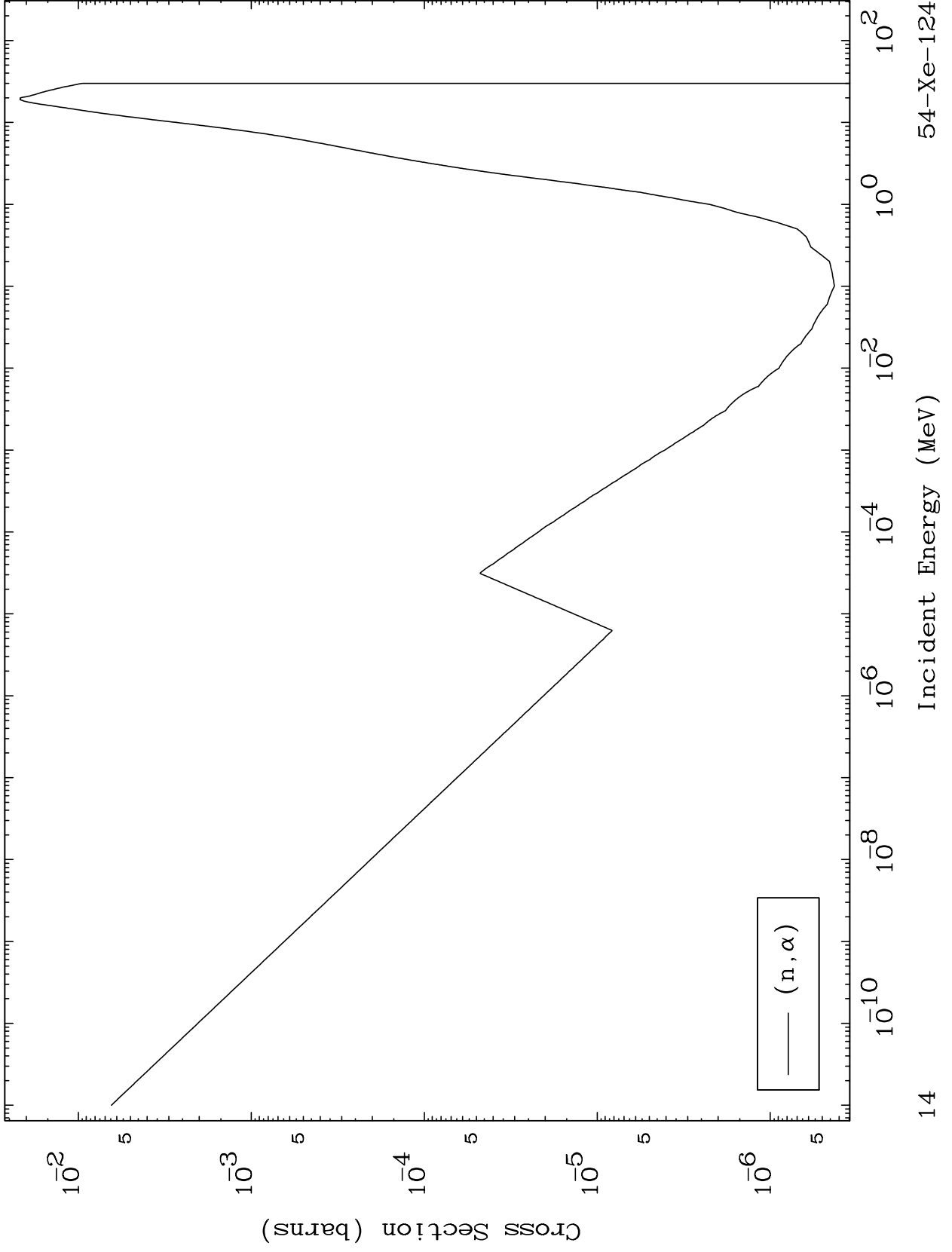
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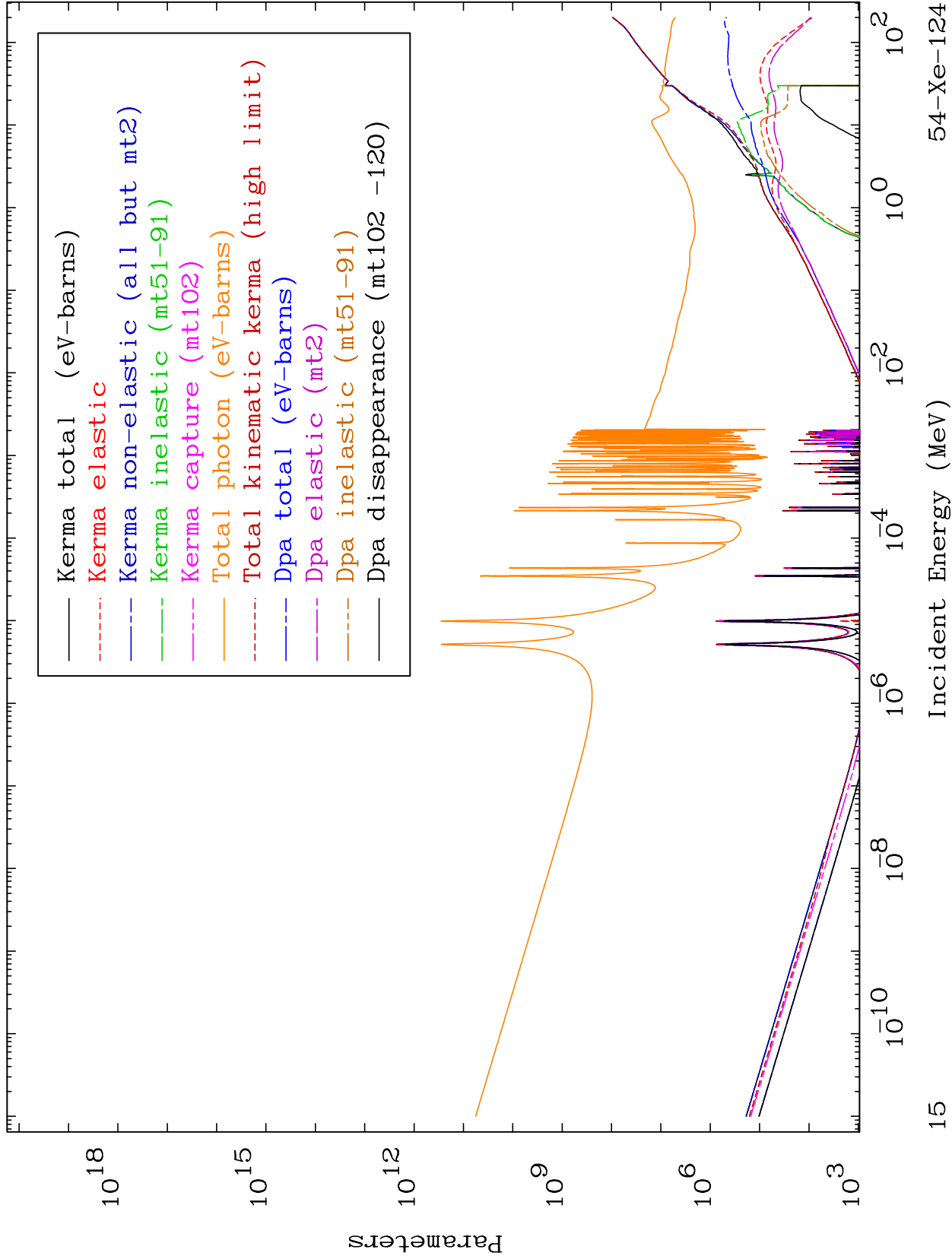


MAT 5425

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

54-Xe-124



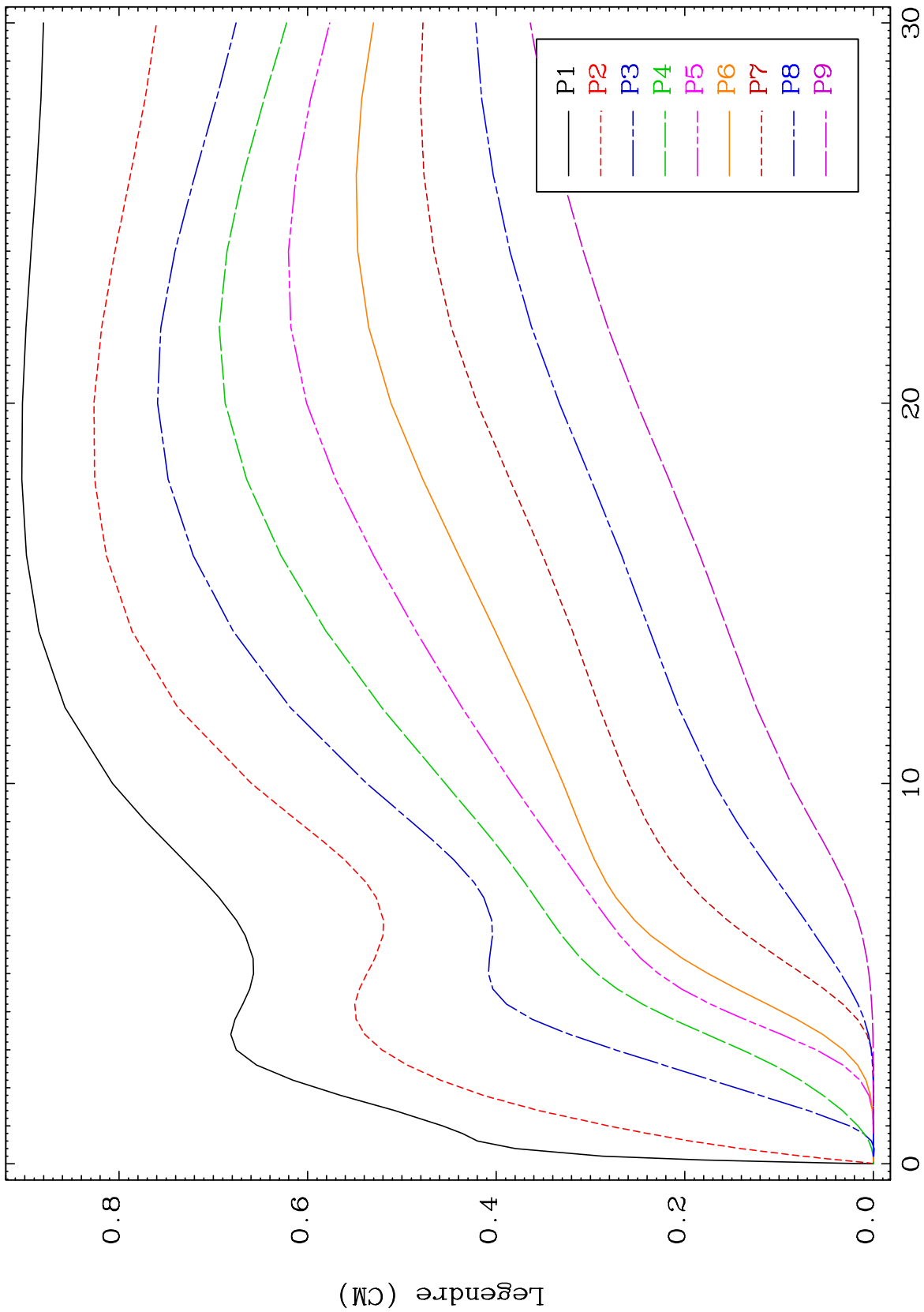




MAT 5425

54-Xe-124

Elastic Legendre Coefficients



16

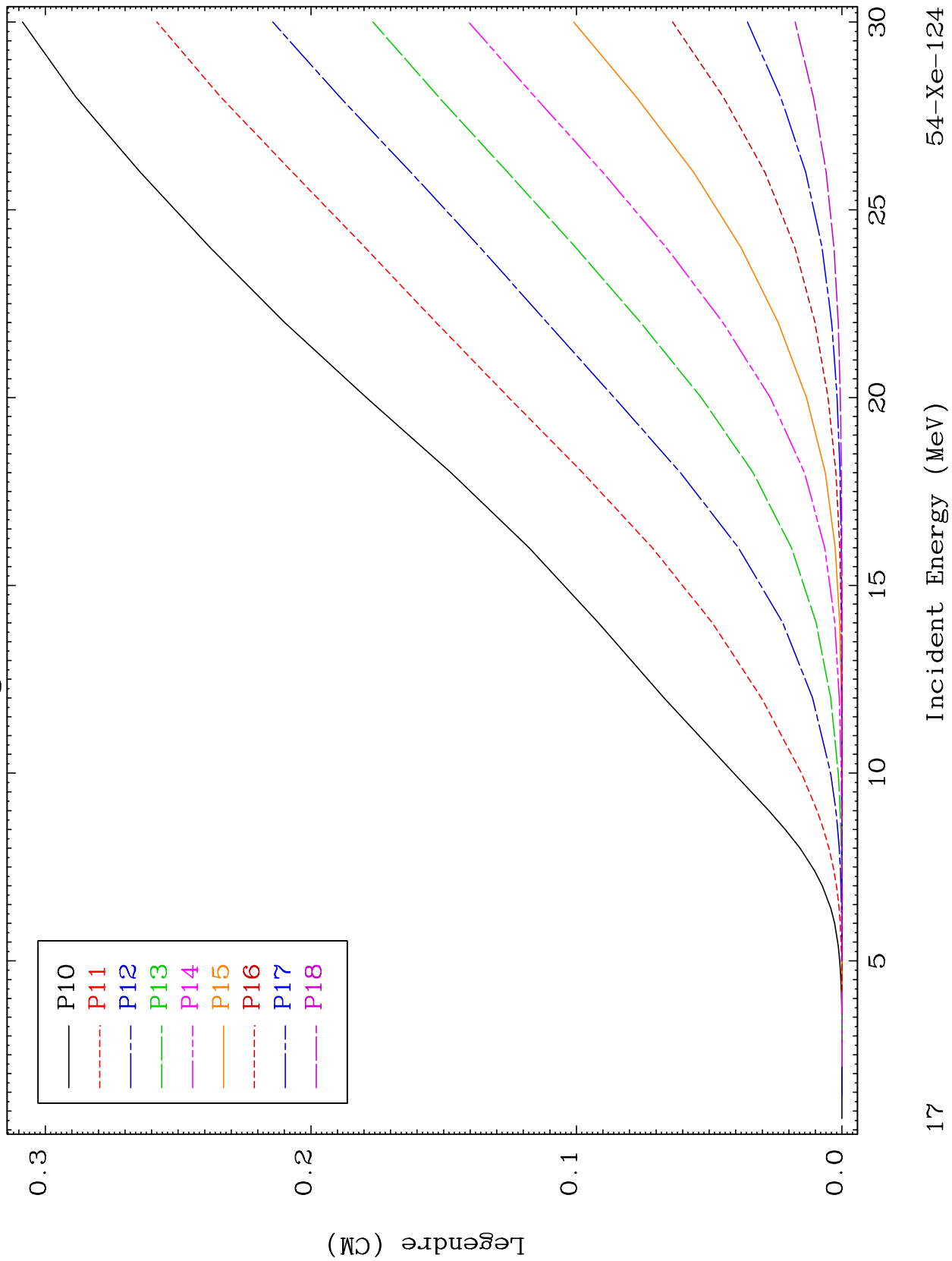
Incident Energy (MeV)

54-Xe-124

MAT 5425

Elastic Legendre Coefficients

54-Xe-124



17

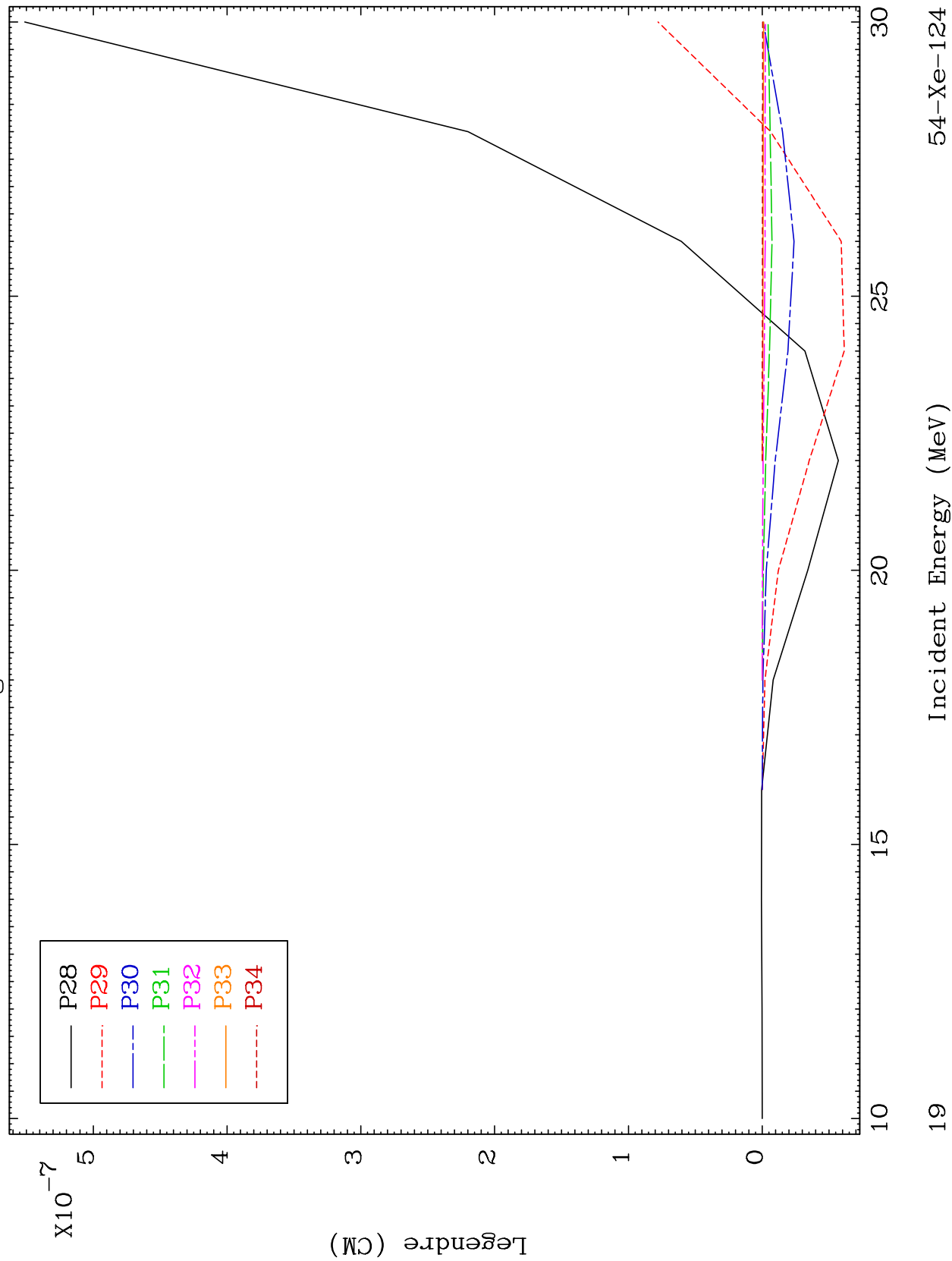
54-Xe-124



MAT 5425

Elastic Legendre Coefficients

54-Xe-124

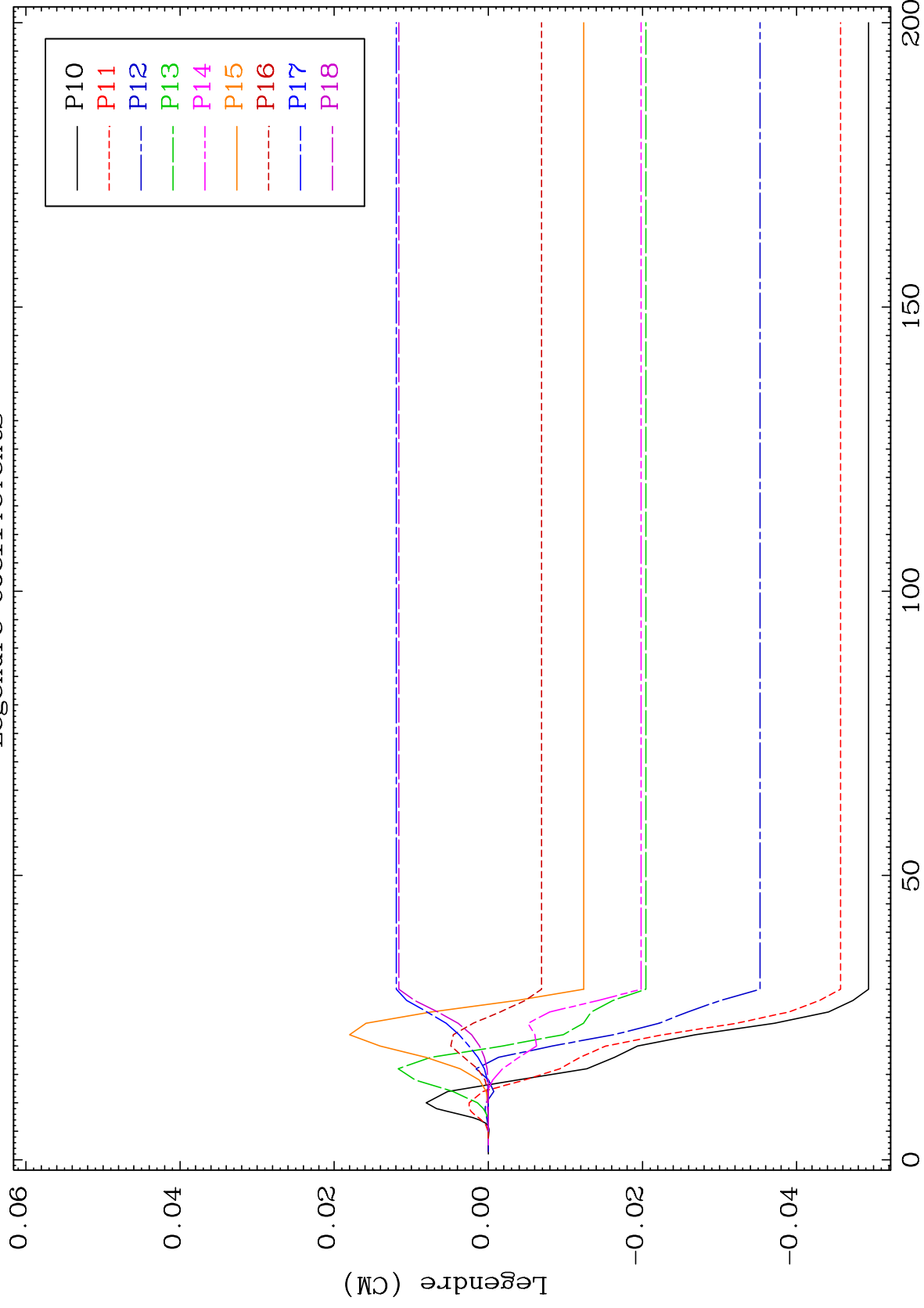




MAT 5425

354.0 keV (n,n') Level  
Legendre Coefficients

54-Xe-124



21

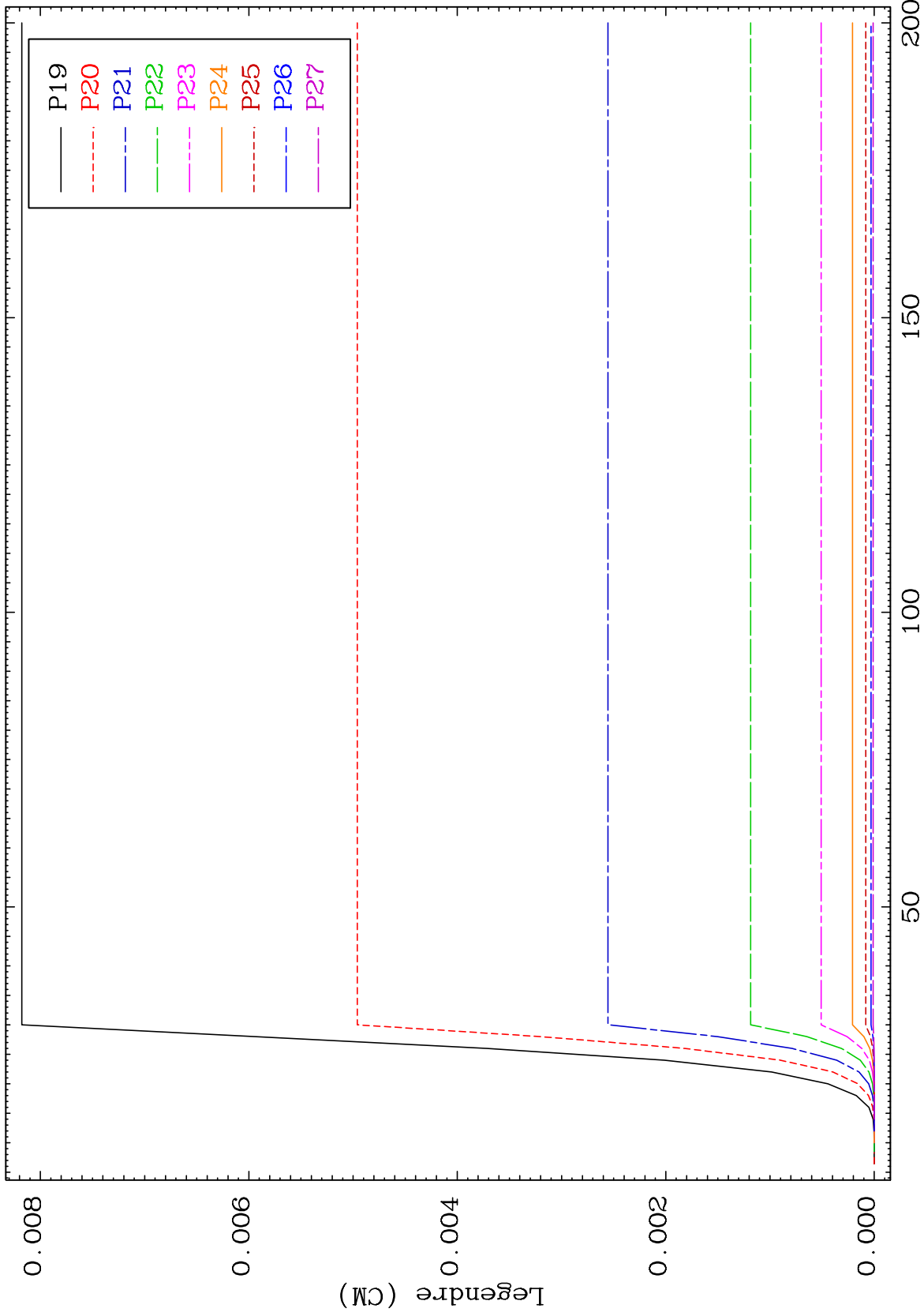
Incident Energy (MeV)

54-Xe-124

MAT 5425

354.0 keV (n,n') Level  
Legendre Coefficients

54-Xe-124



22

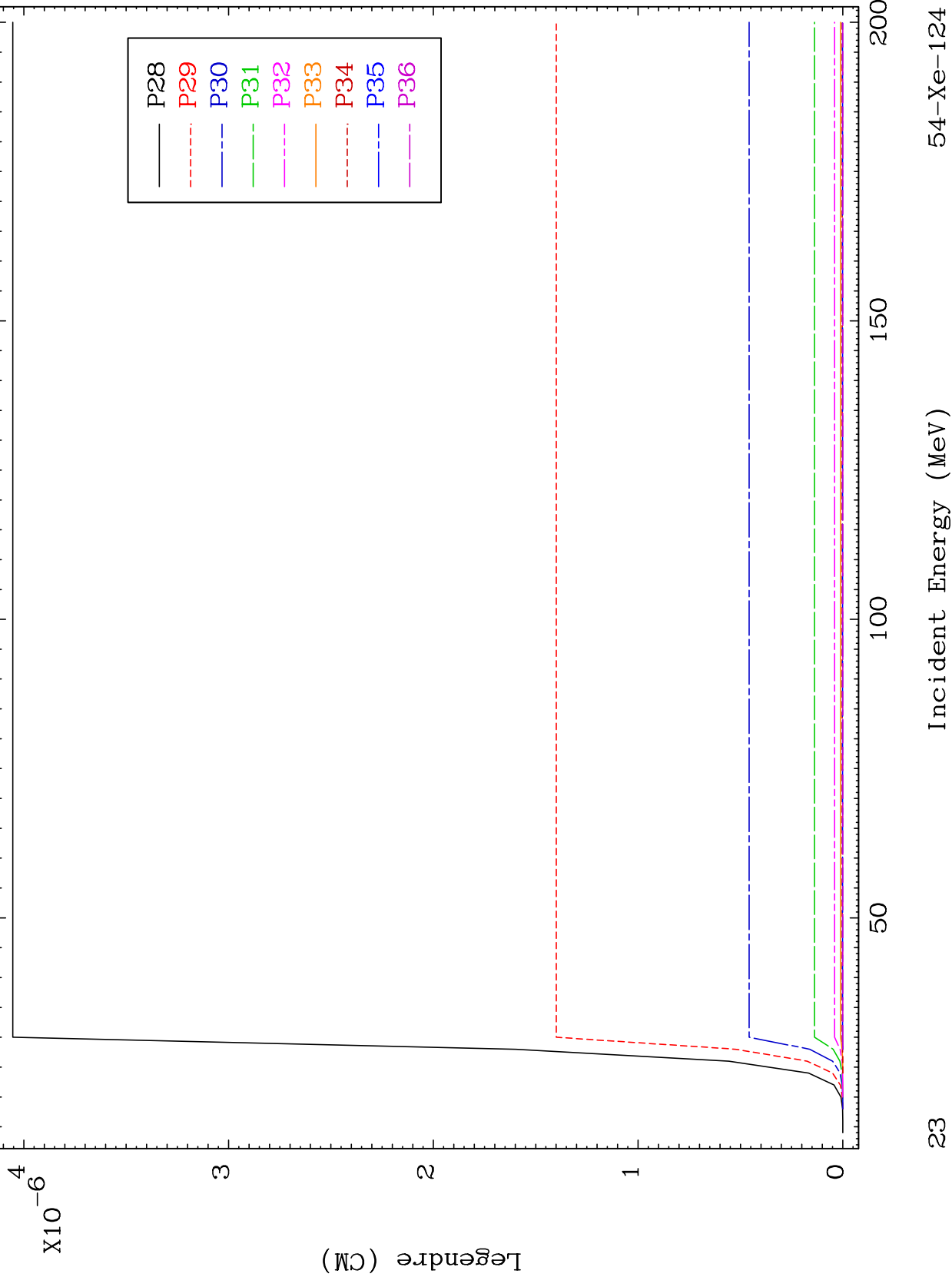
Incident Energy (MeV)

54-Xe-124

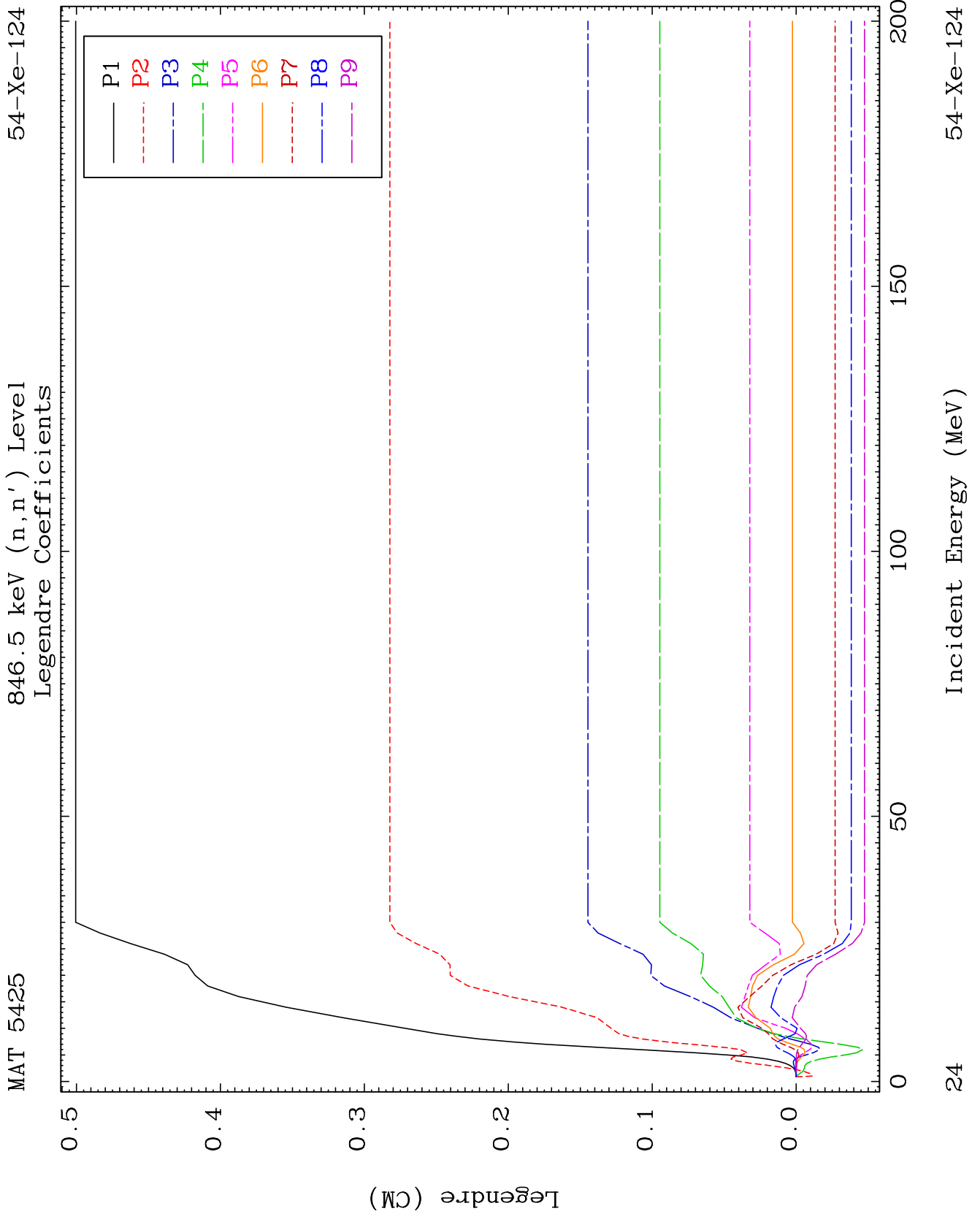
MAT 5425

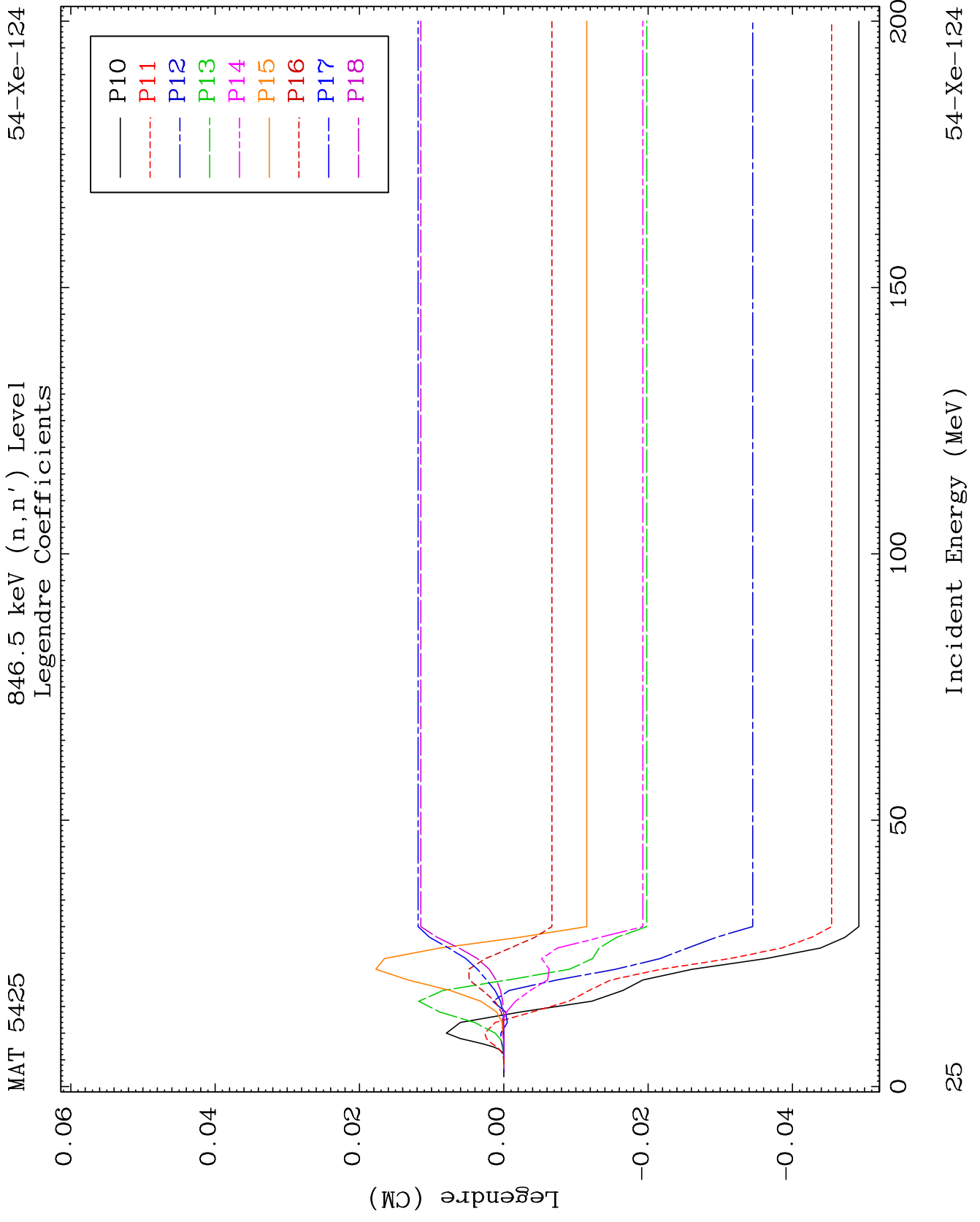
354.0 keV (n,n') Level  
Legendre Coefficients

54-Xe-124







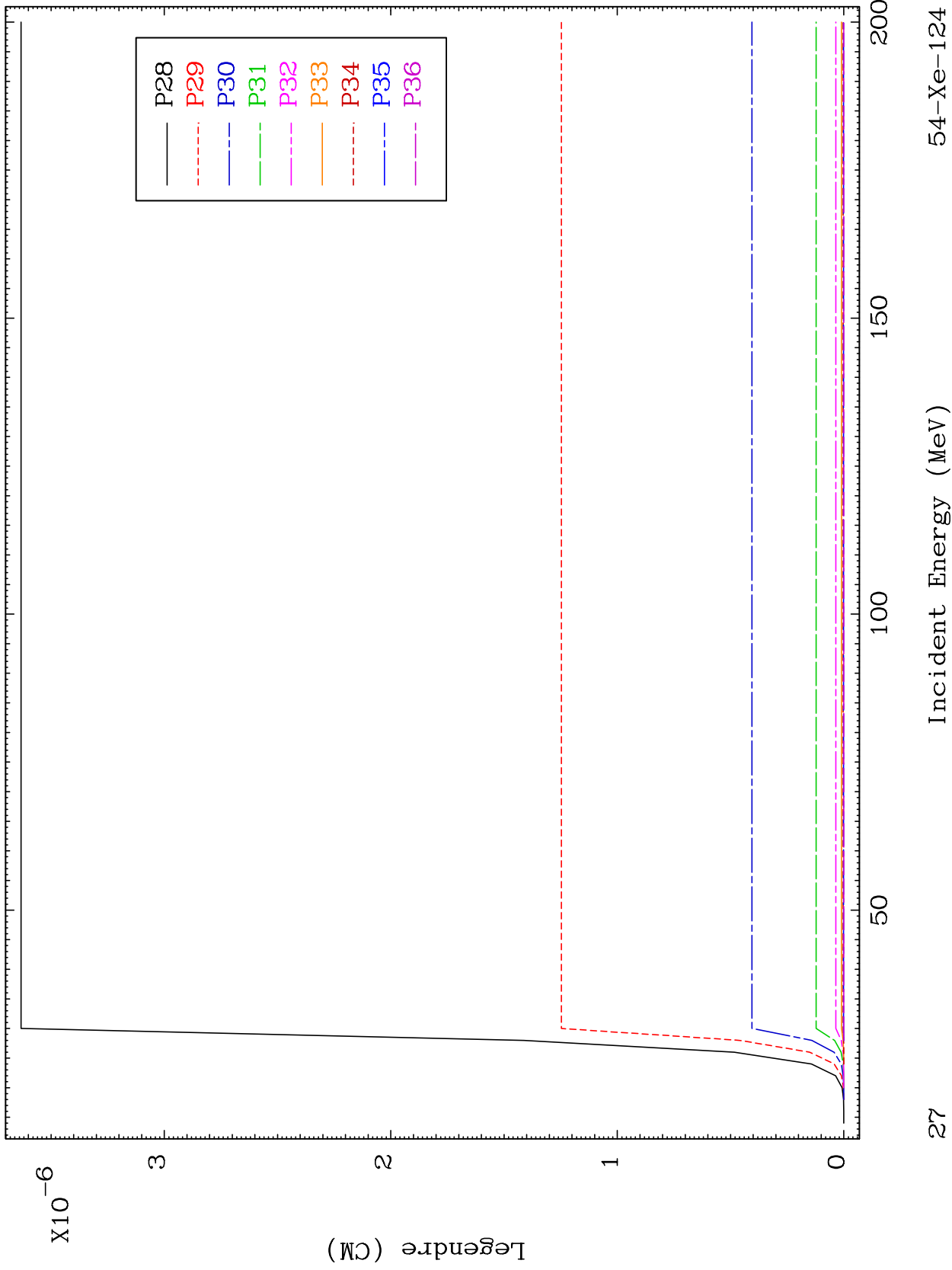




MAT 5425

846.5 keV (n,n') Level  
Legendre Coefficients

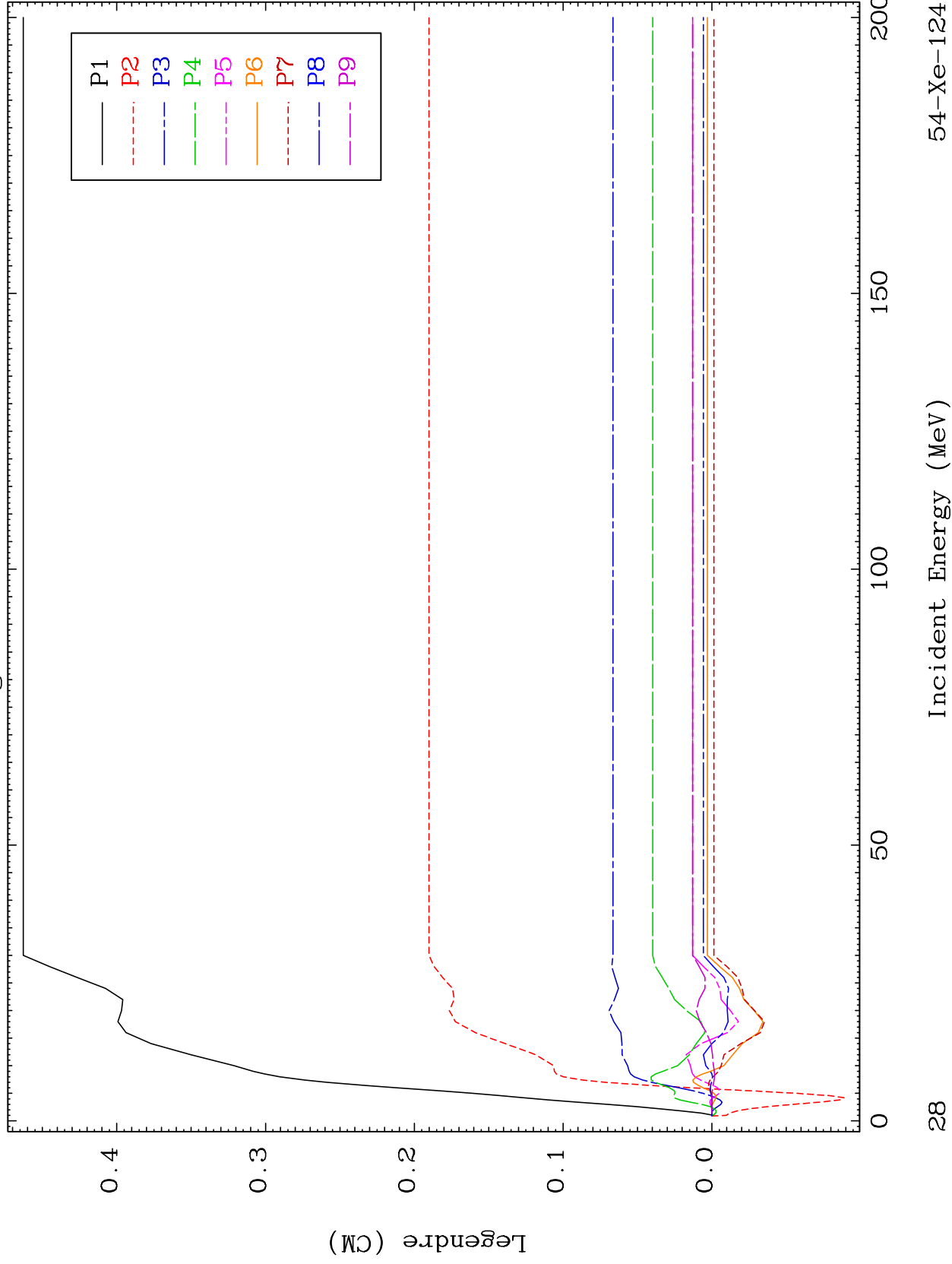
54-Xe-124



MAT 5425

878.9 keV (n,n') Level  
Legendre Coefficients

54-Xe-124



54-Xe-124

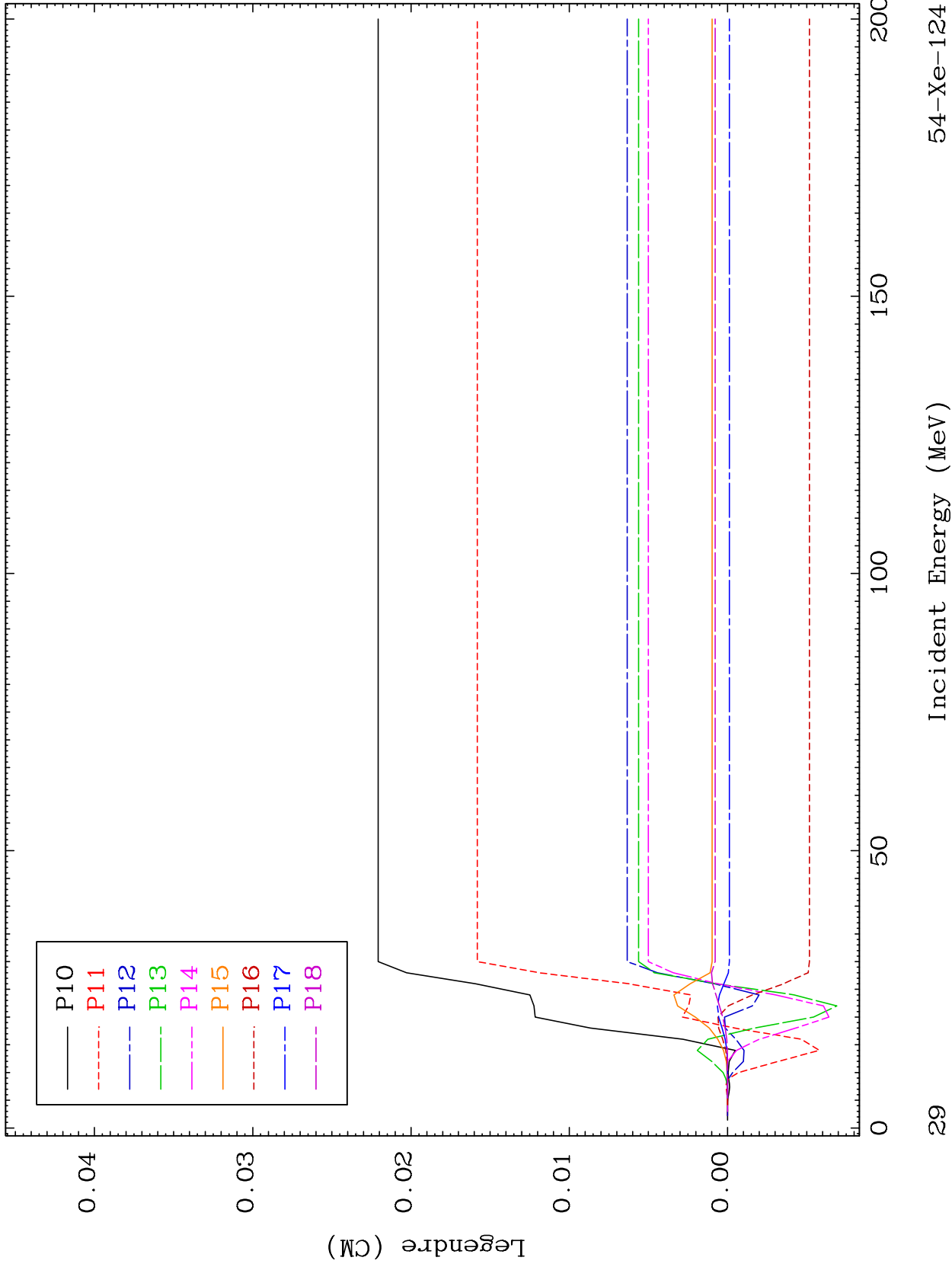
Incident Energy (MeV)

28

MAT 5425

878.9 keV (n,n') Level  
Legendre Coefficients

54-Xe-124



29

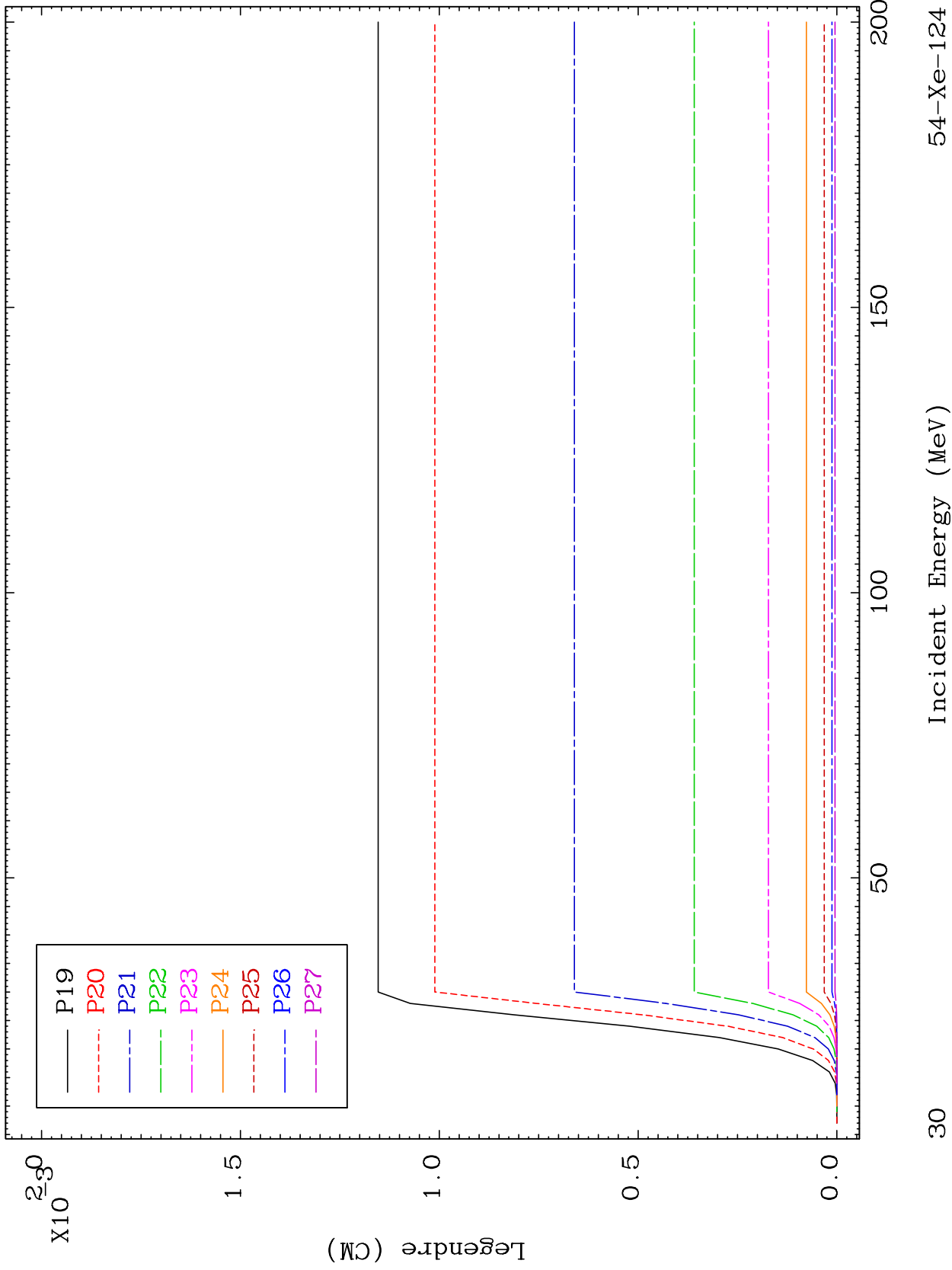
Incident Energy (MeV)

54-Xe-124

MAT 5425

878.9 keV (n,n') Level  
Legendre Coefficients

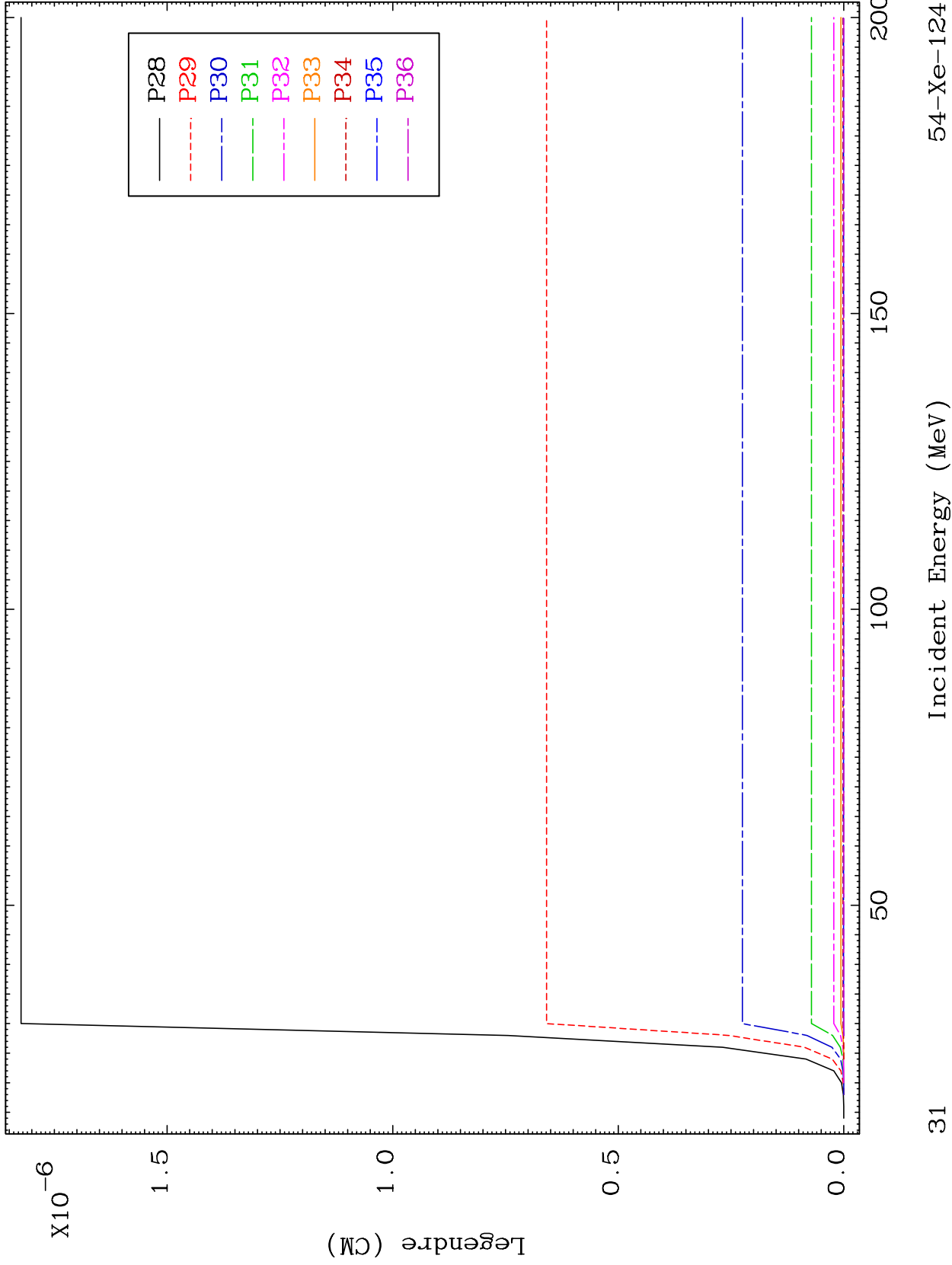
54-Xe-124



MAT 5425

878.9 keV (n,n') Level  
Legendre Coefficients

54-Xe-124



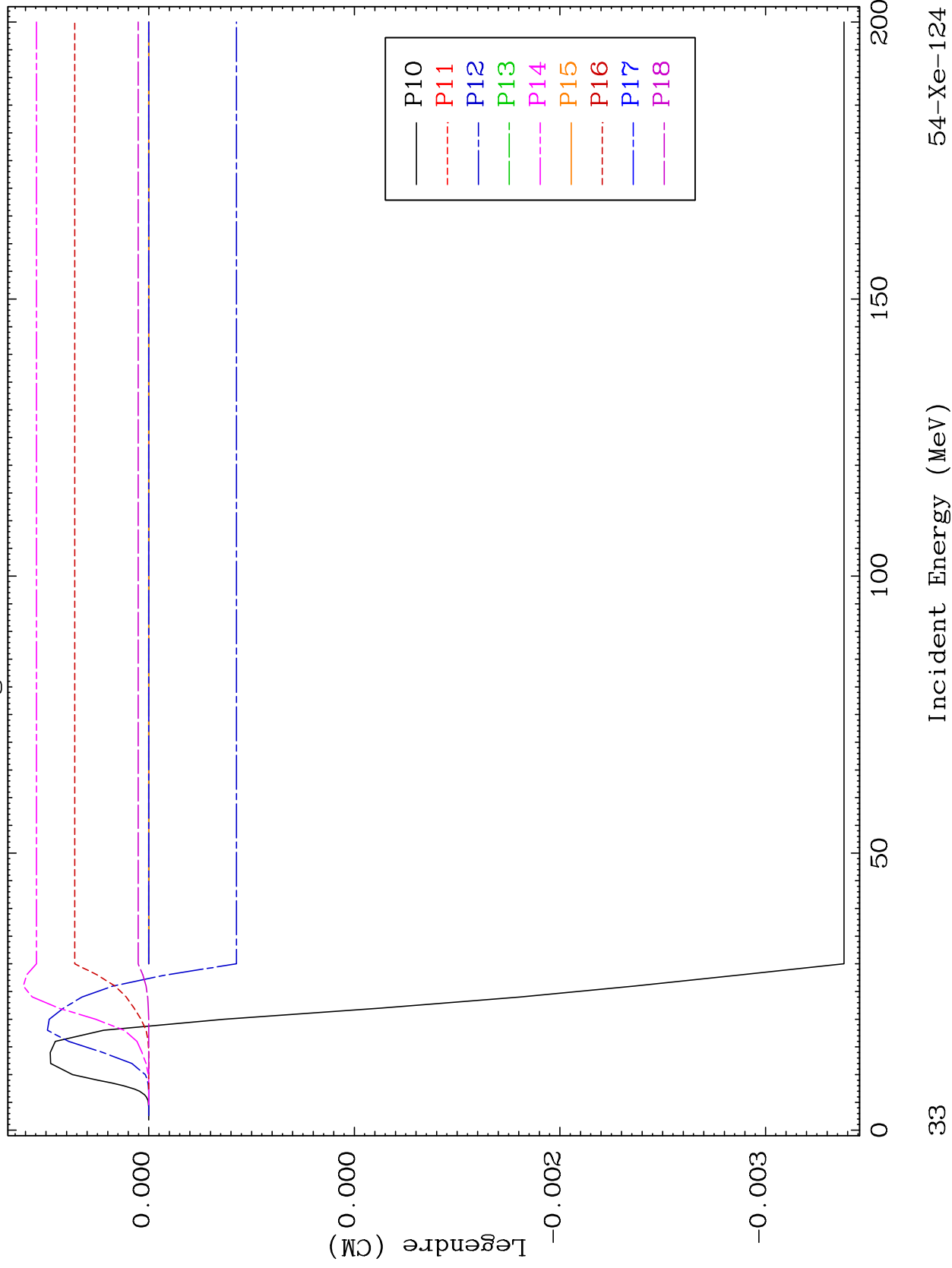




MAT 5425

1.248 MeV (n,n') Level  
Legendre Coefficients

54-Xe-124

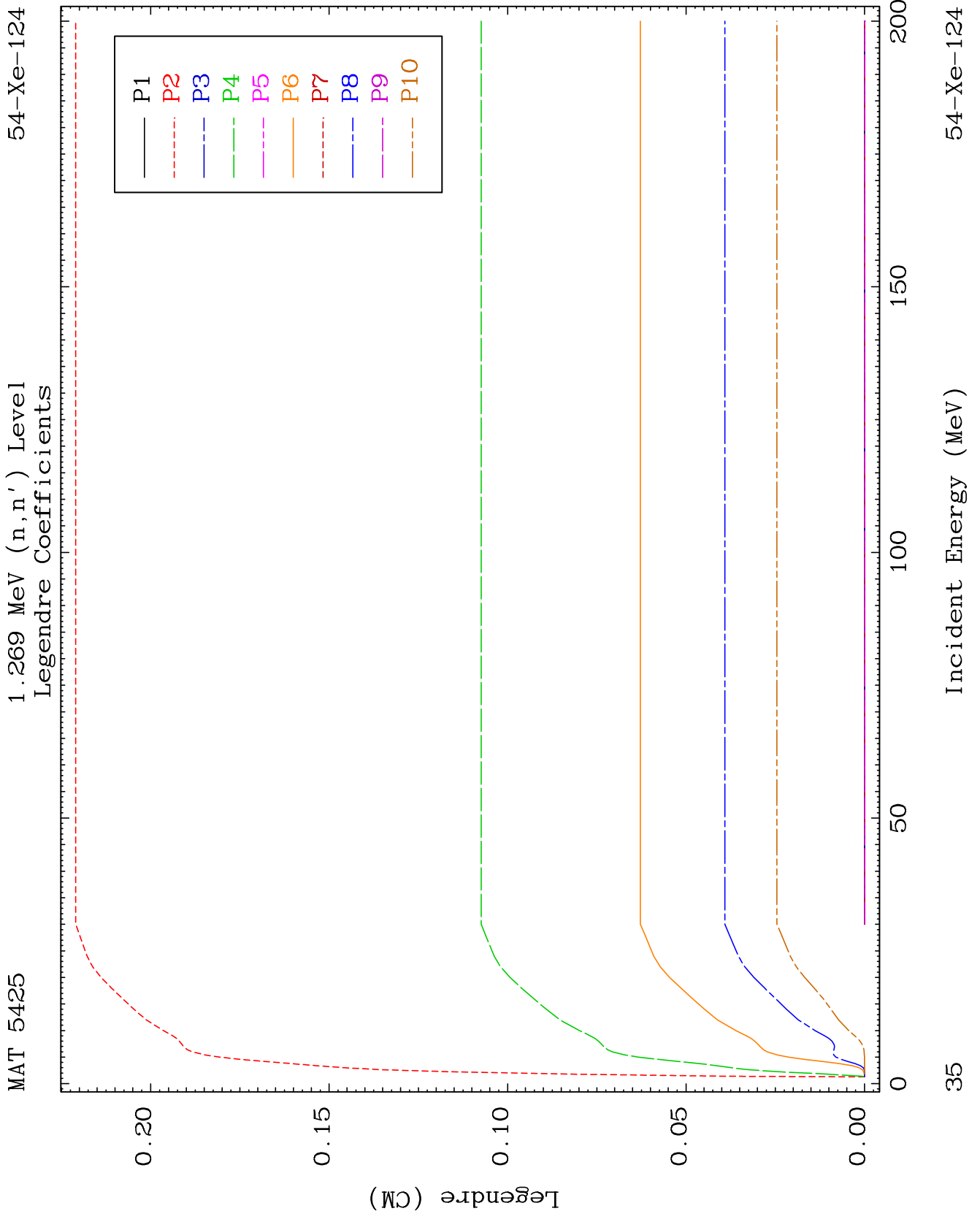


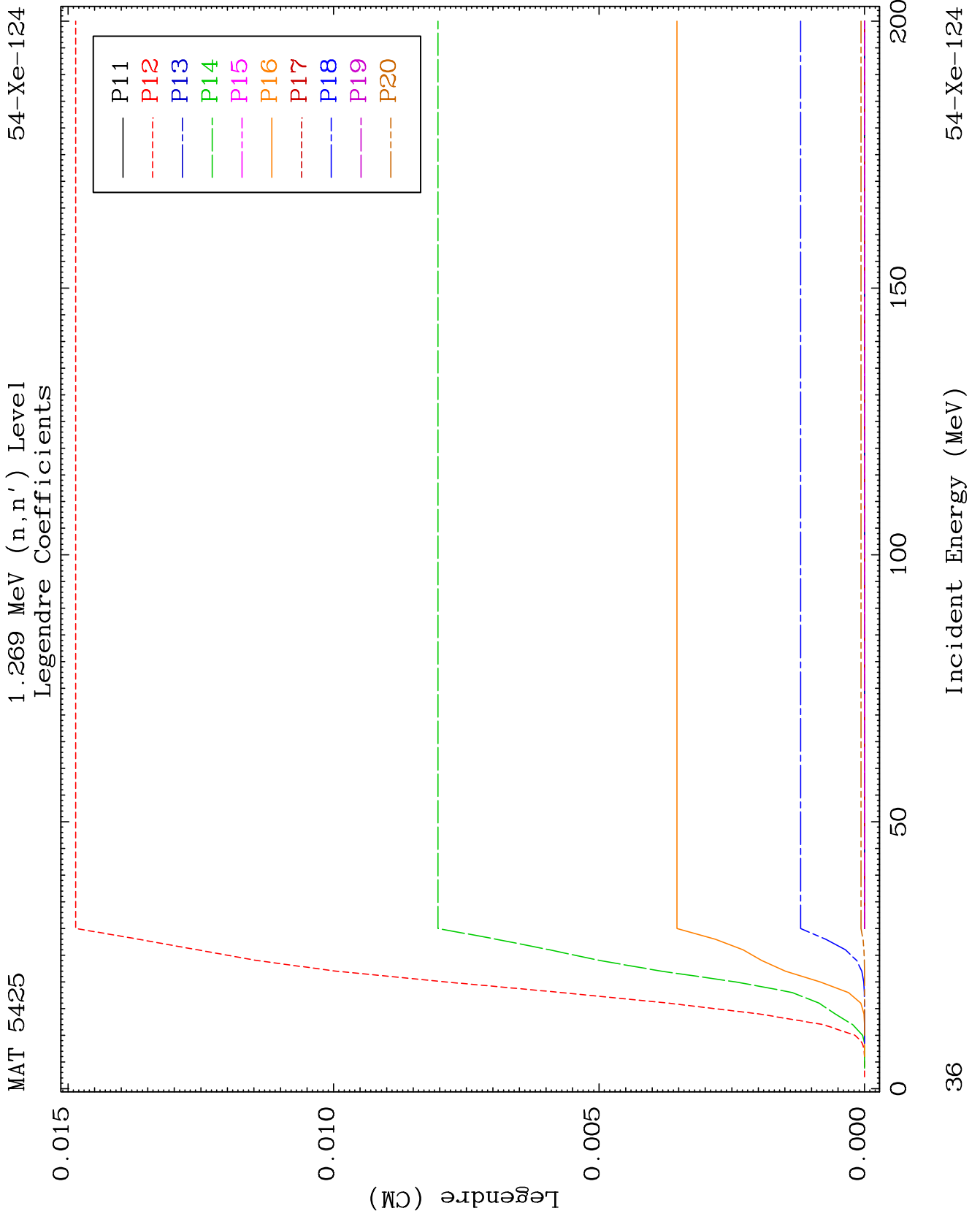
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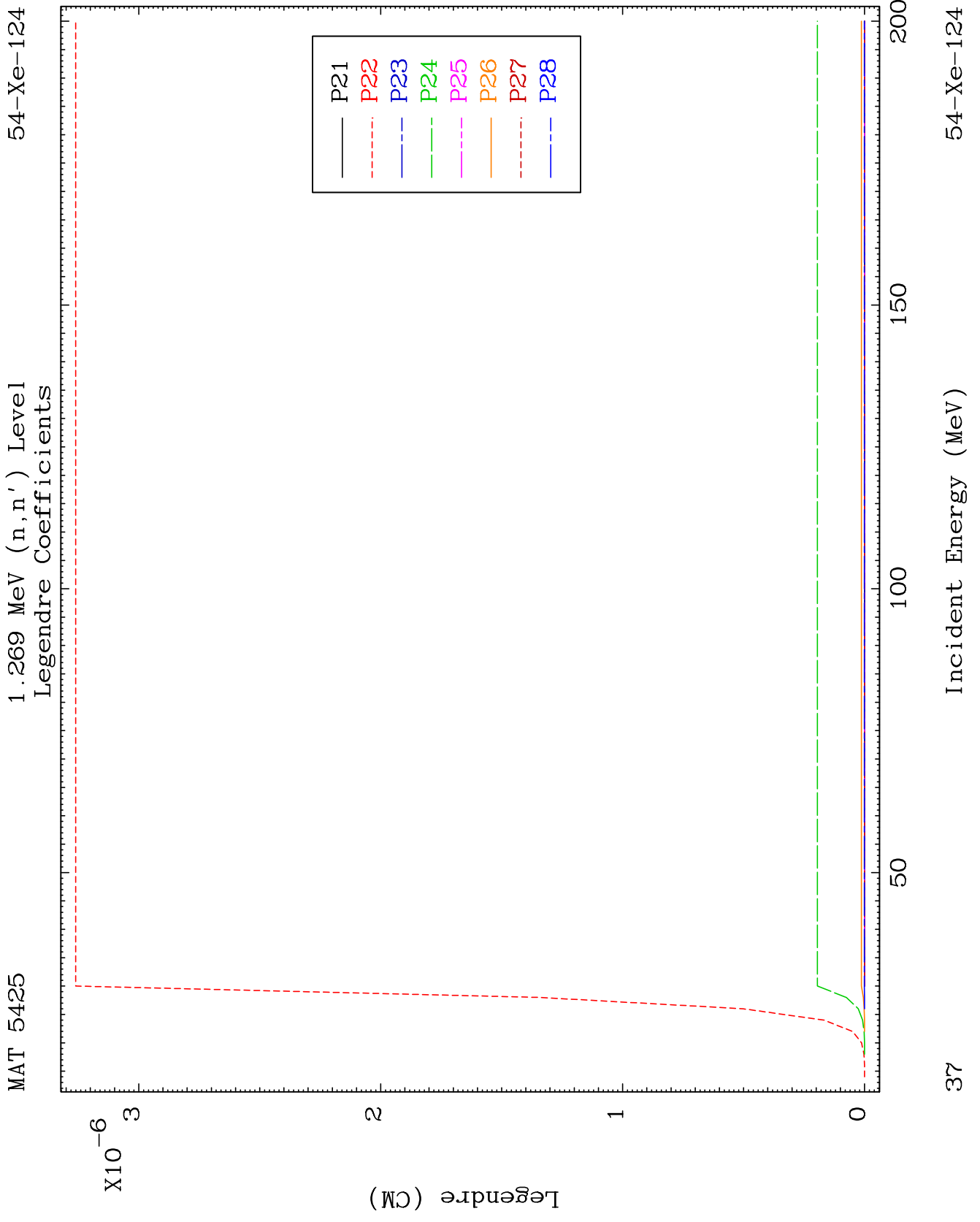
Incident Energy (MeV)

54-Xe-124





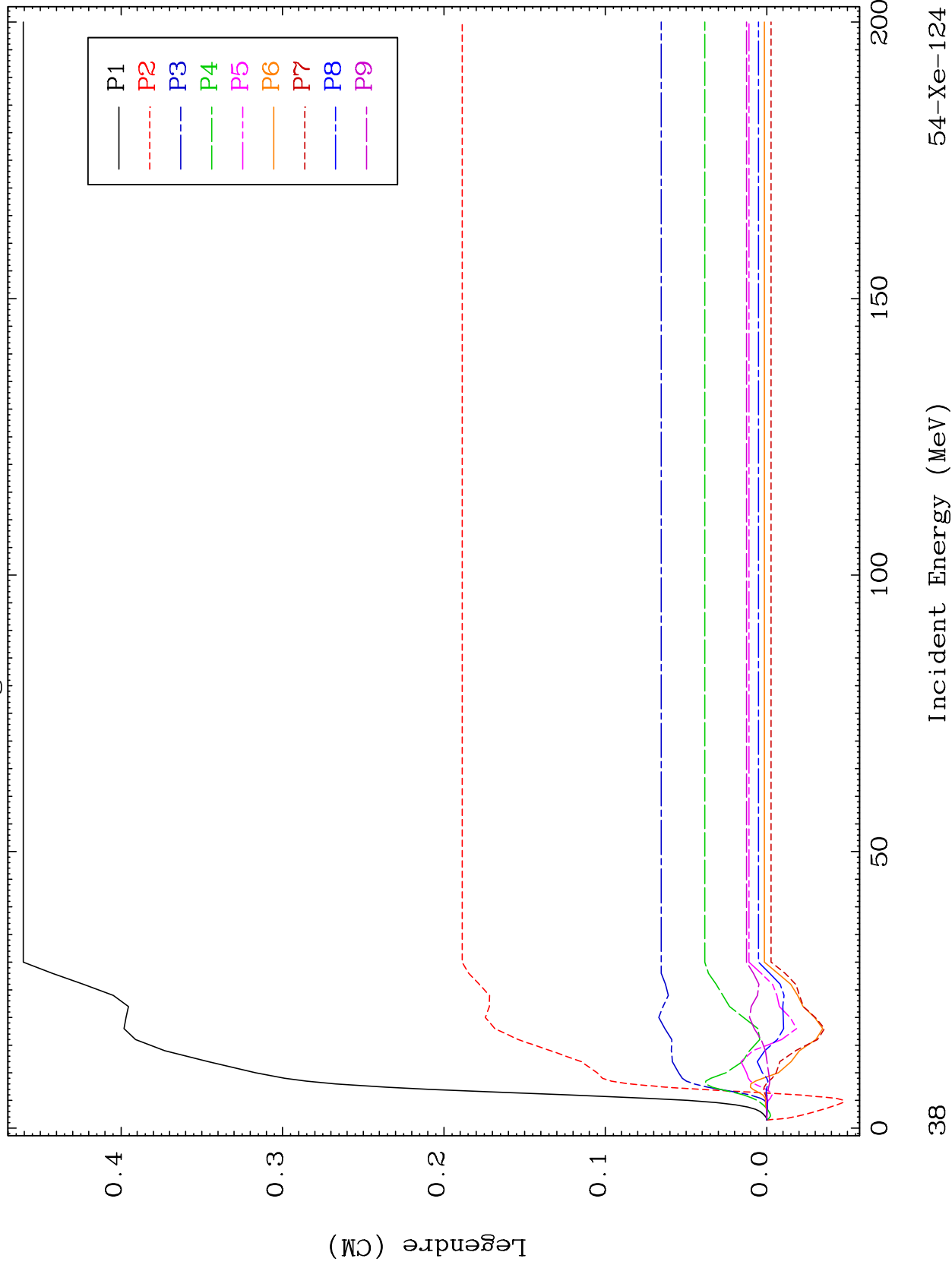




MAT 5425

1.438 MeV (n,n') Level  
Legendre Coefficients

54-Xe-124



54-Xe-124

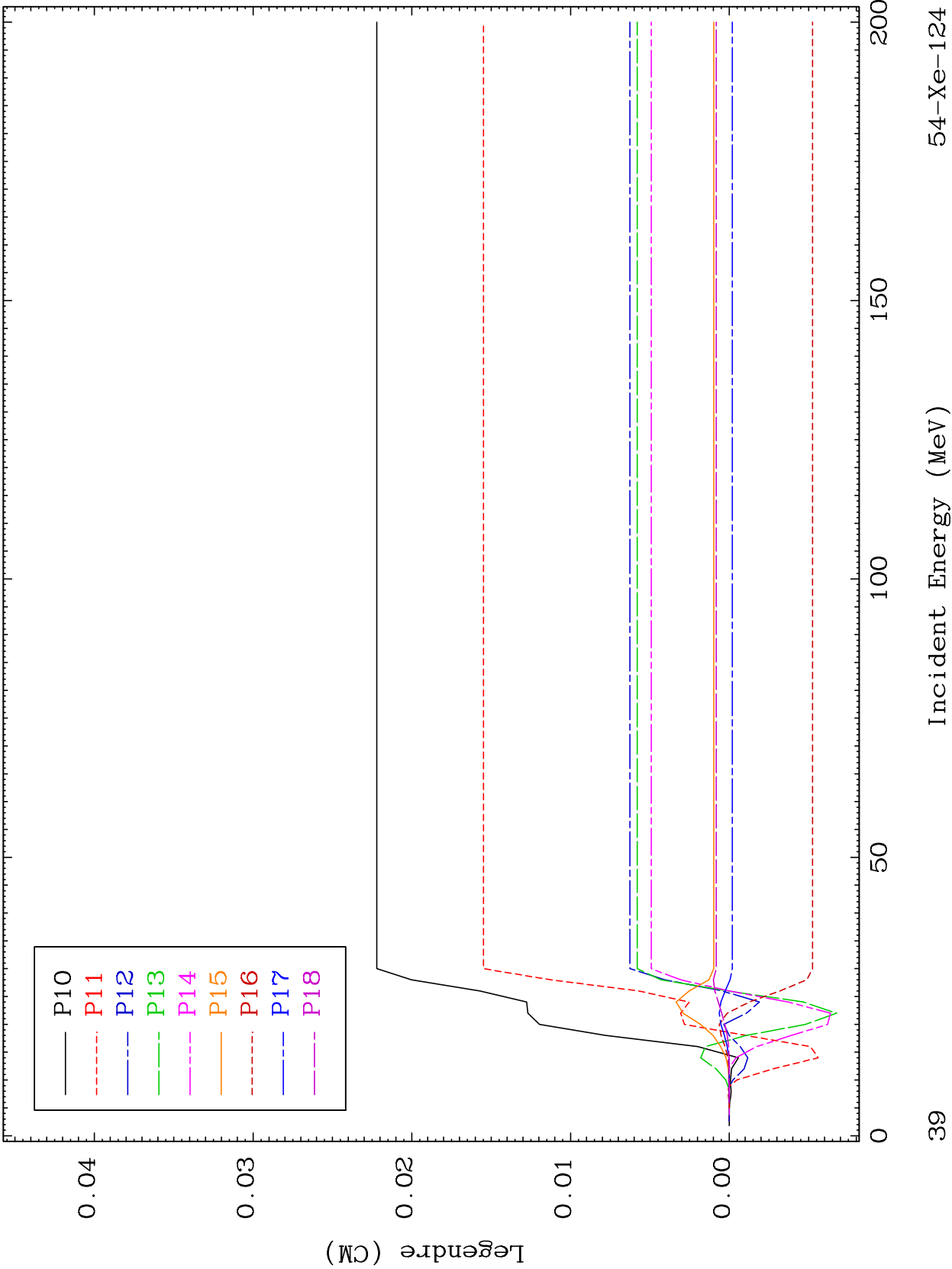
Incident Energy (MeV)

38

MAT 5425

1.438 MeV (n,n') Level  
Legendre Coefficients

54-Xe-124



39

Incident Energy (MeV)

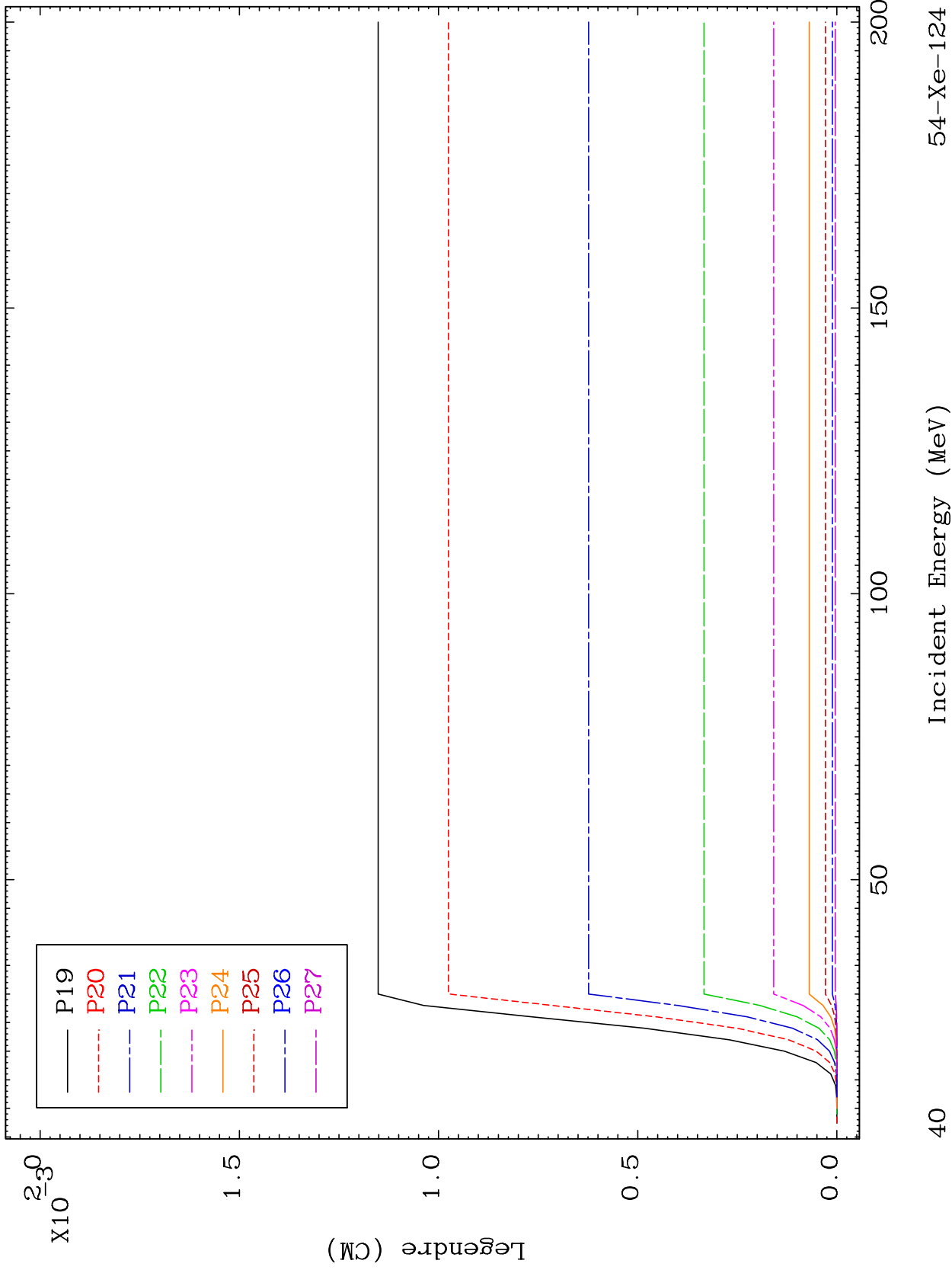
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MAT 5425

1.438 MeV (n,n') Level  
Legendre Coefficients

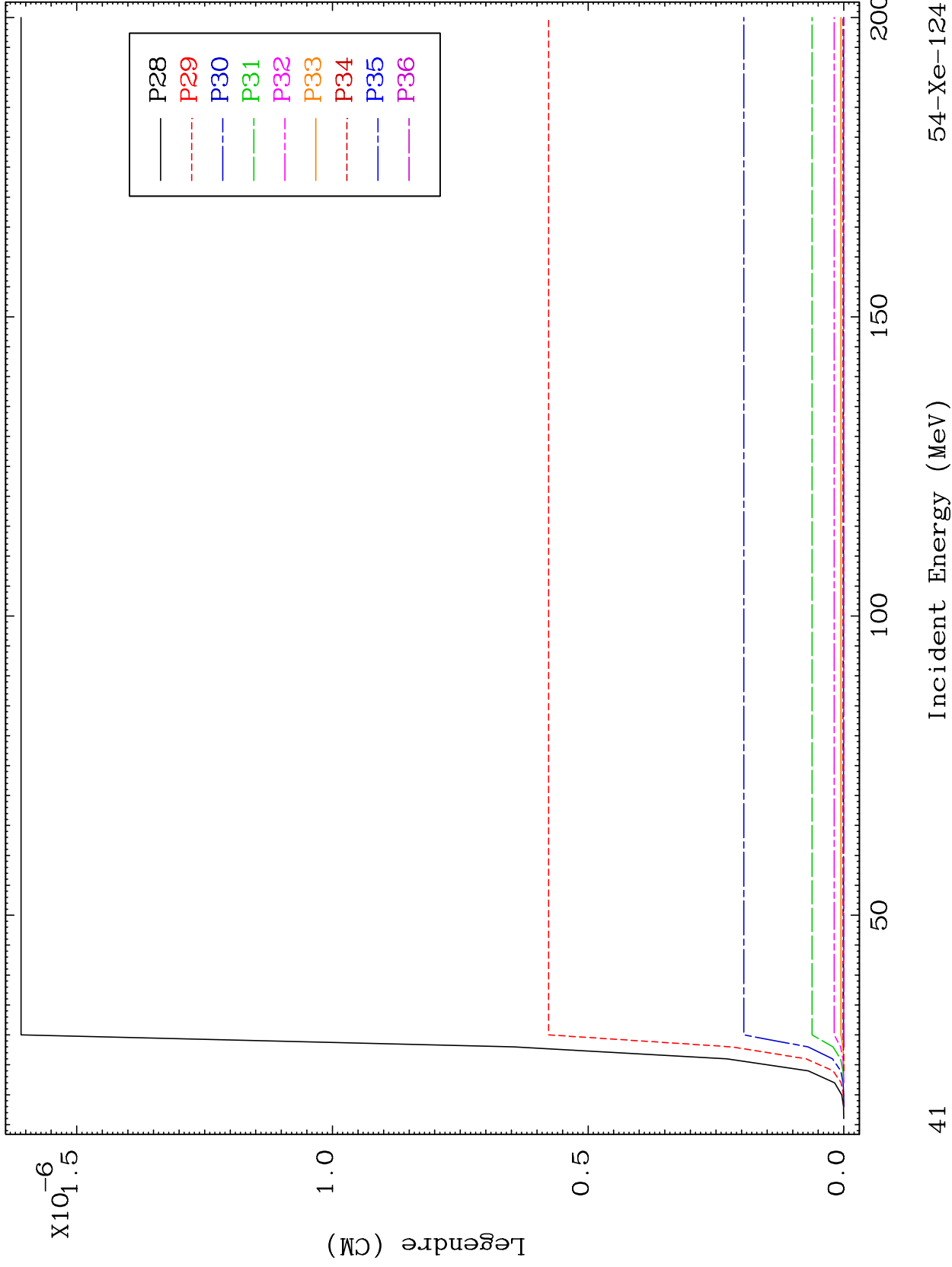
54-Xe-124



MAT 5425

1.438 MeV (n,n') Level  
Legendre Coefficients

54-Xe-124



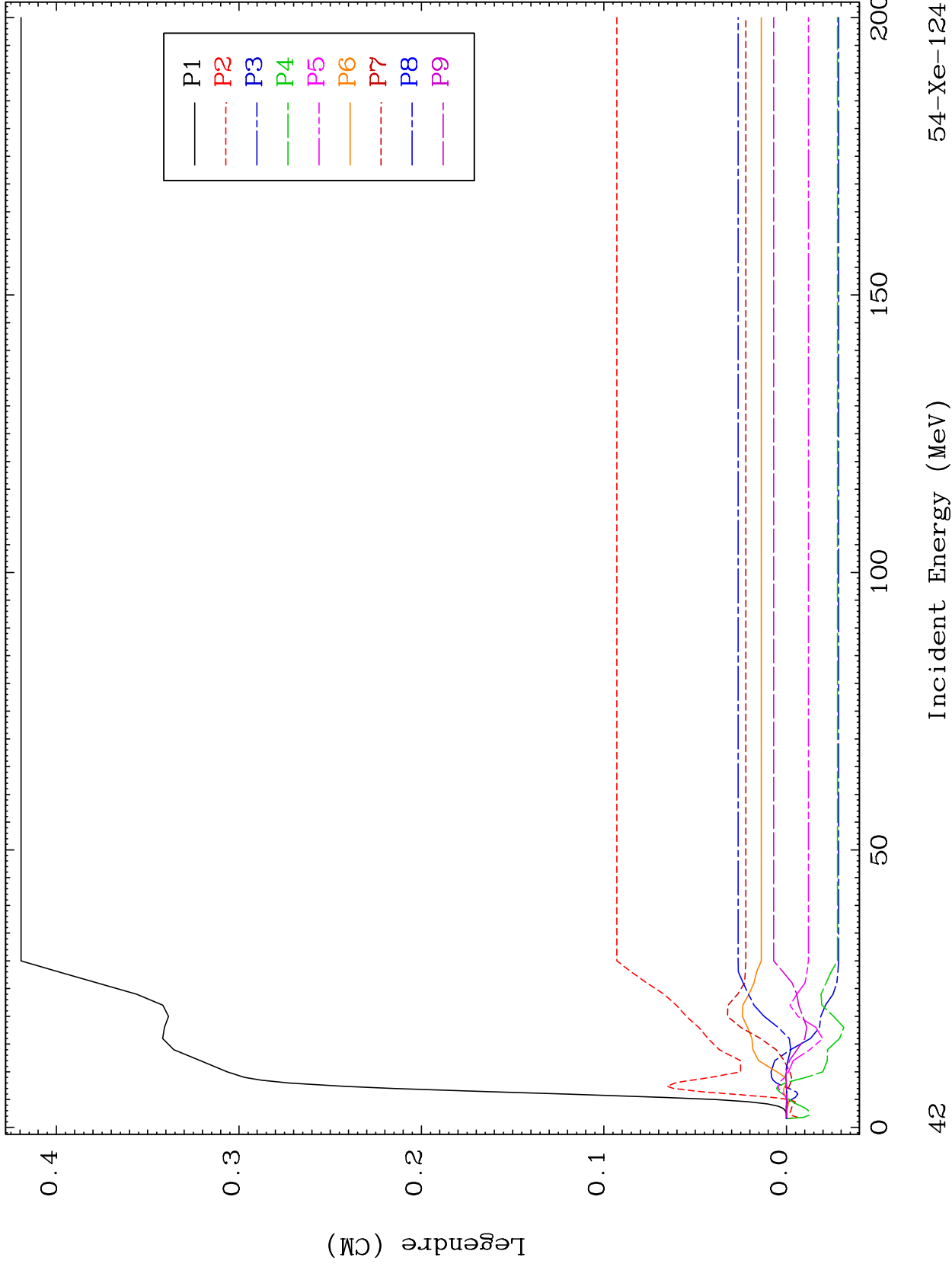
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54-Xe-124

MAT 5425

1.548 MeV (n,n') Level  
Legendre Coefficients

54-Xe-124

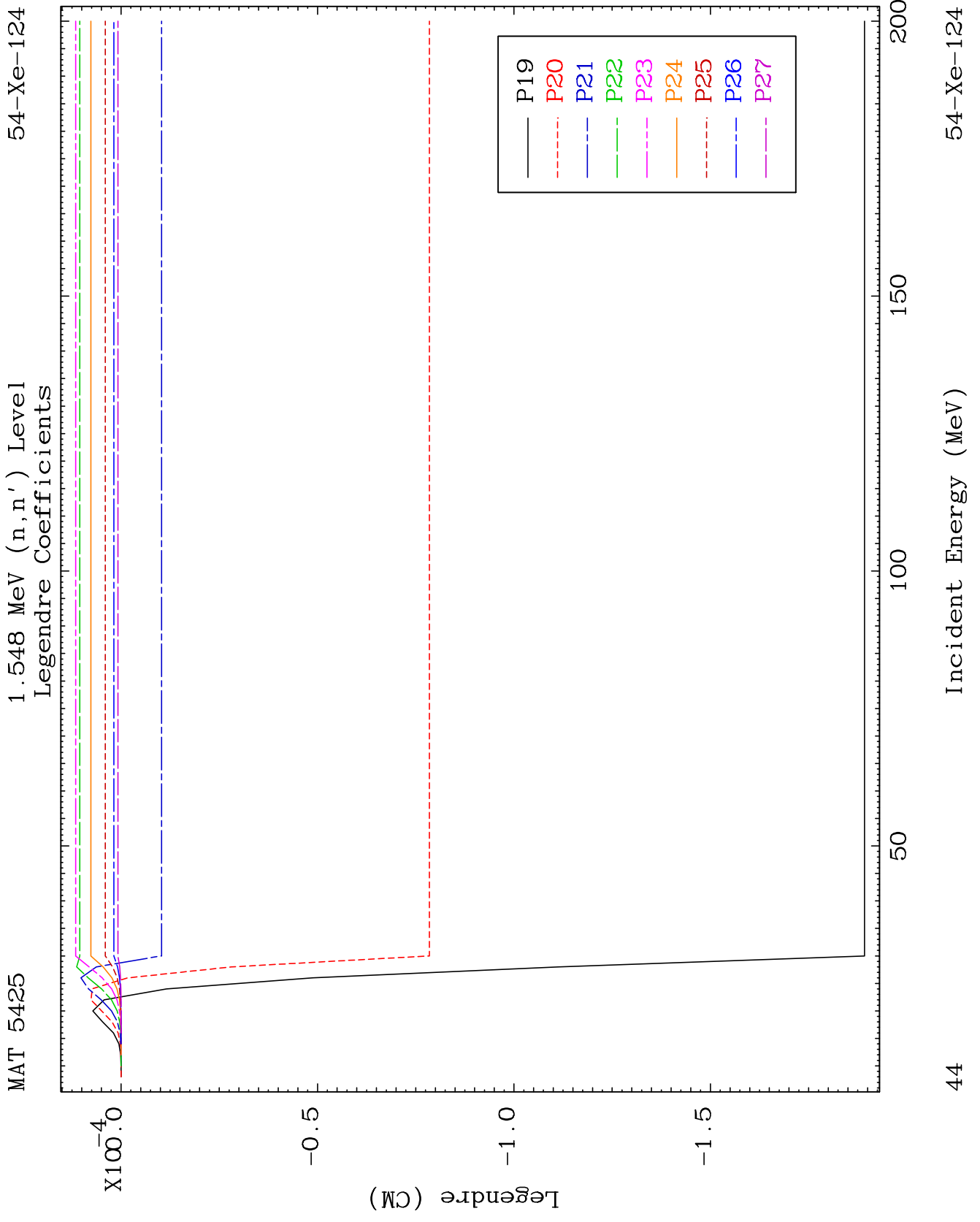


54-Xe-124

Incident Energy (MeV)

42

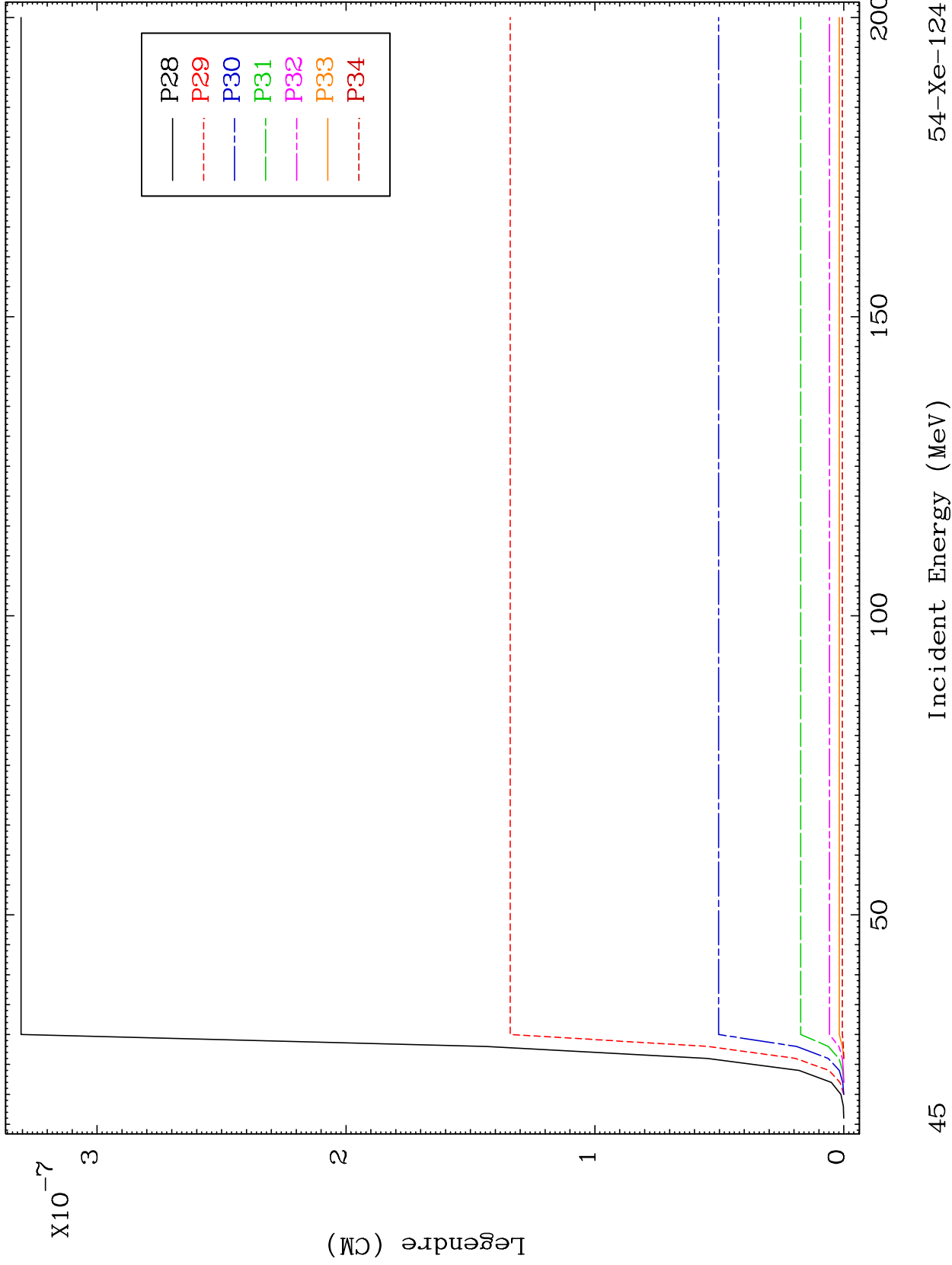




MAT 5425

1.548 MeV (n,n') Level  
Legendre Coefficients

54-Xe-124



54-Xe-124

Incident Energy (MeV)

45





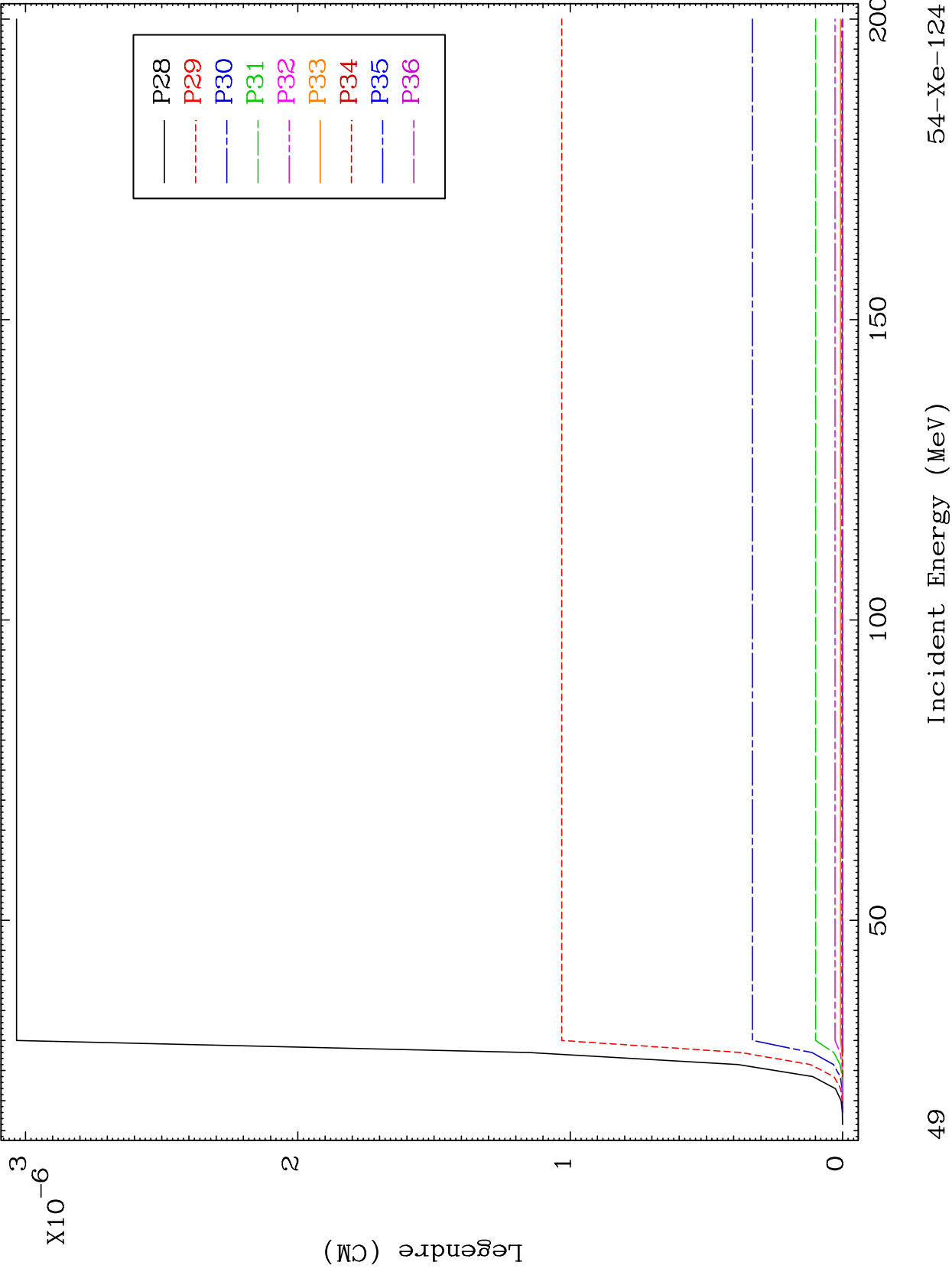




MAT 5425

1.629 MeV (n,n') Level  
Legendre Coefficients

54-Xe-124

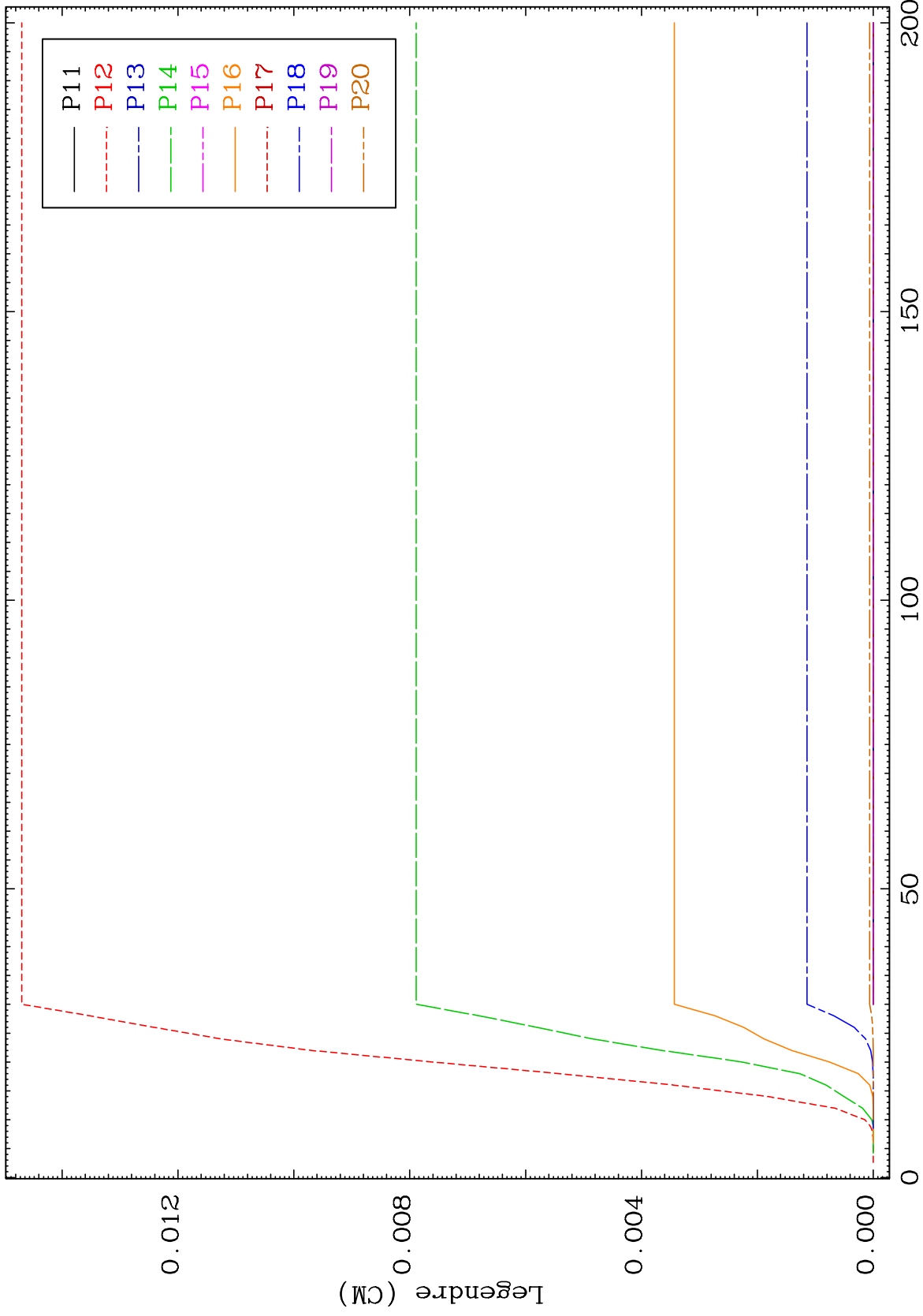




MAT 5425

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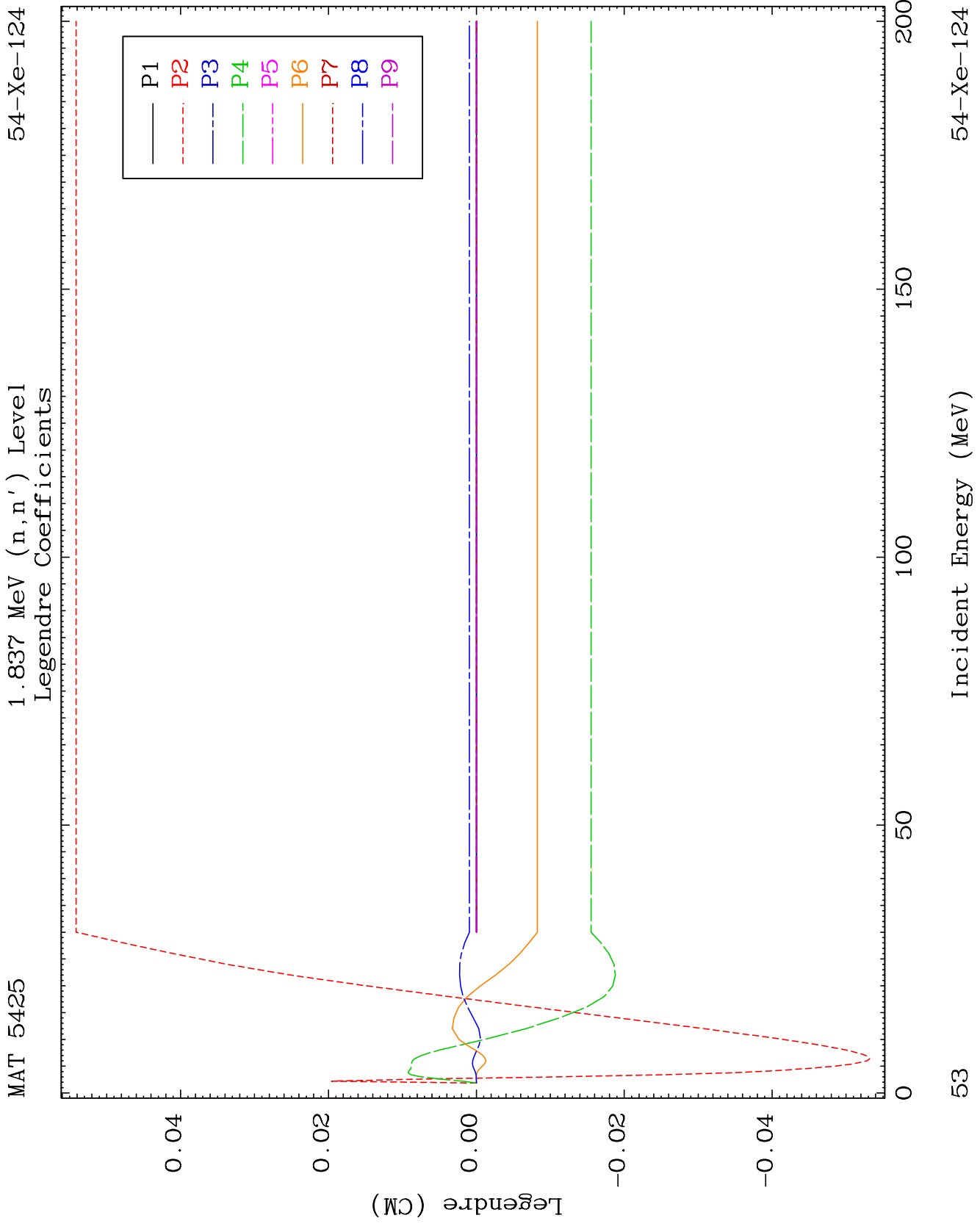


51

Incident Energy (MeV)

54-Xe-124

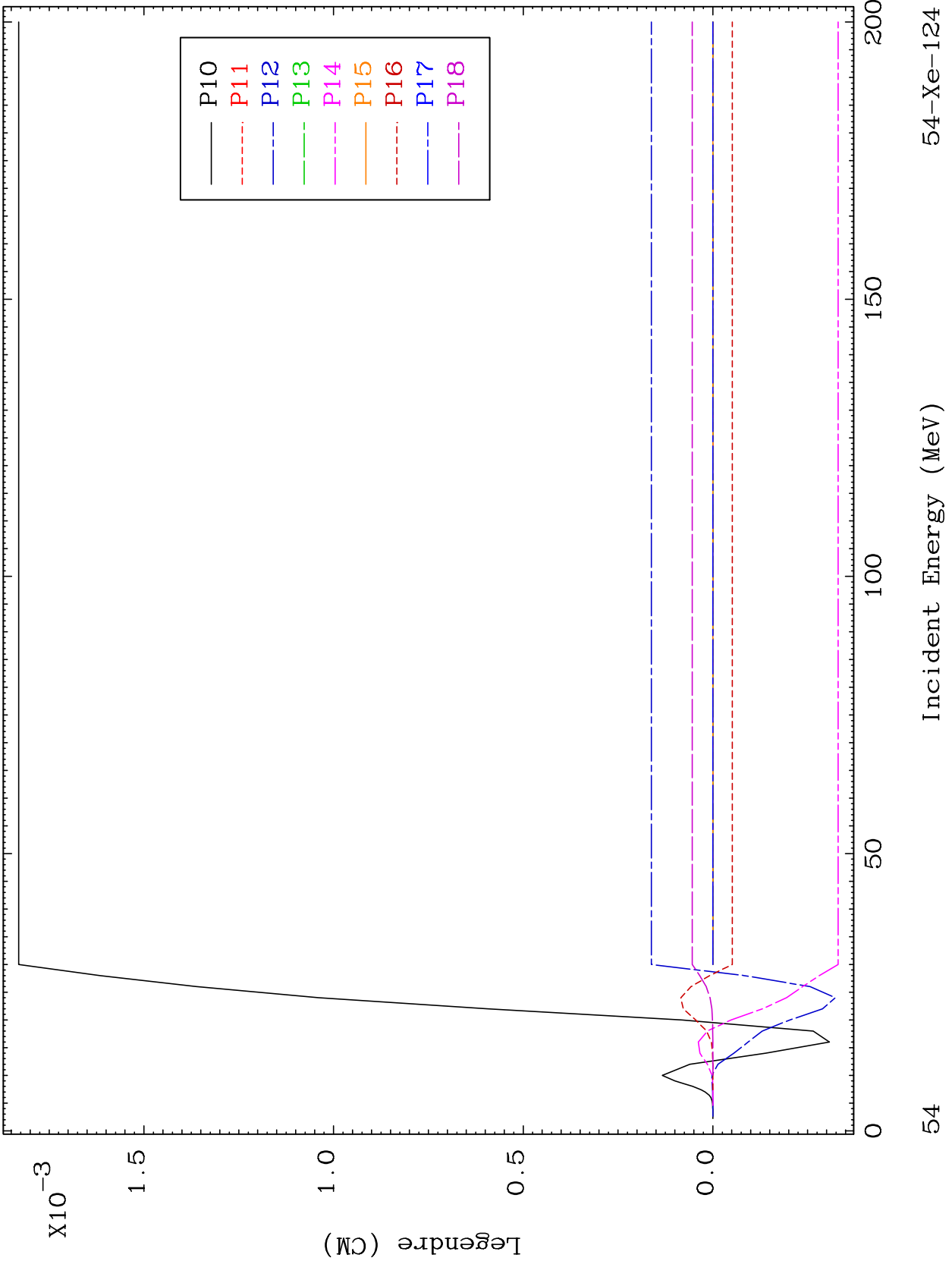




MAT 5425

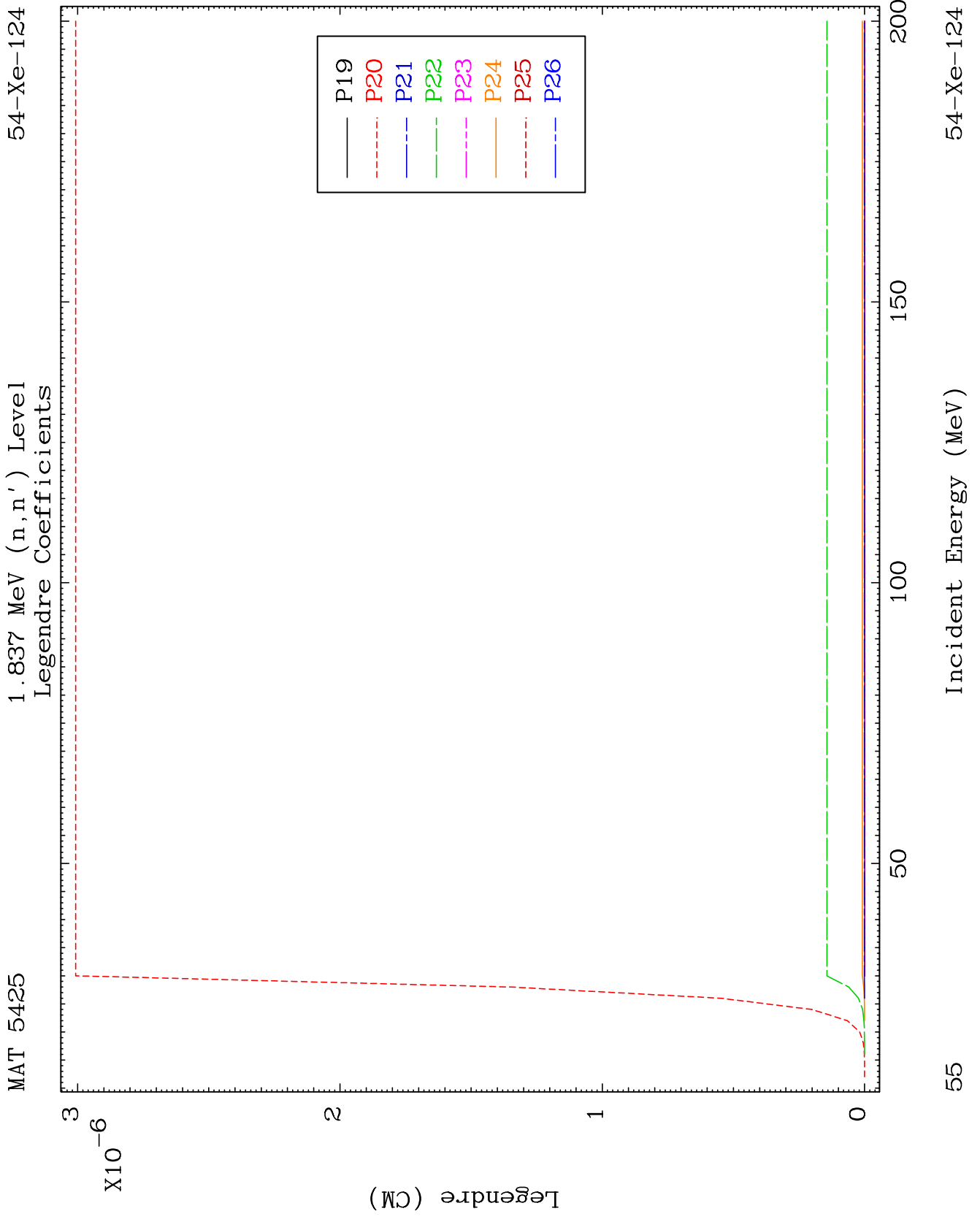
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Legendre Coefficients

54-Xe-124



54

54-Xe-124

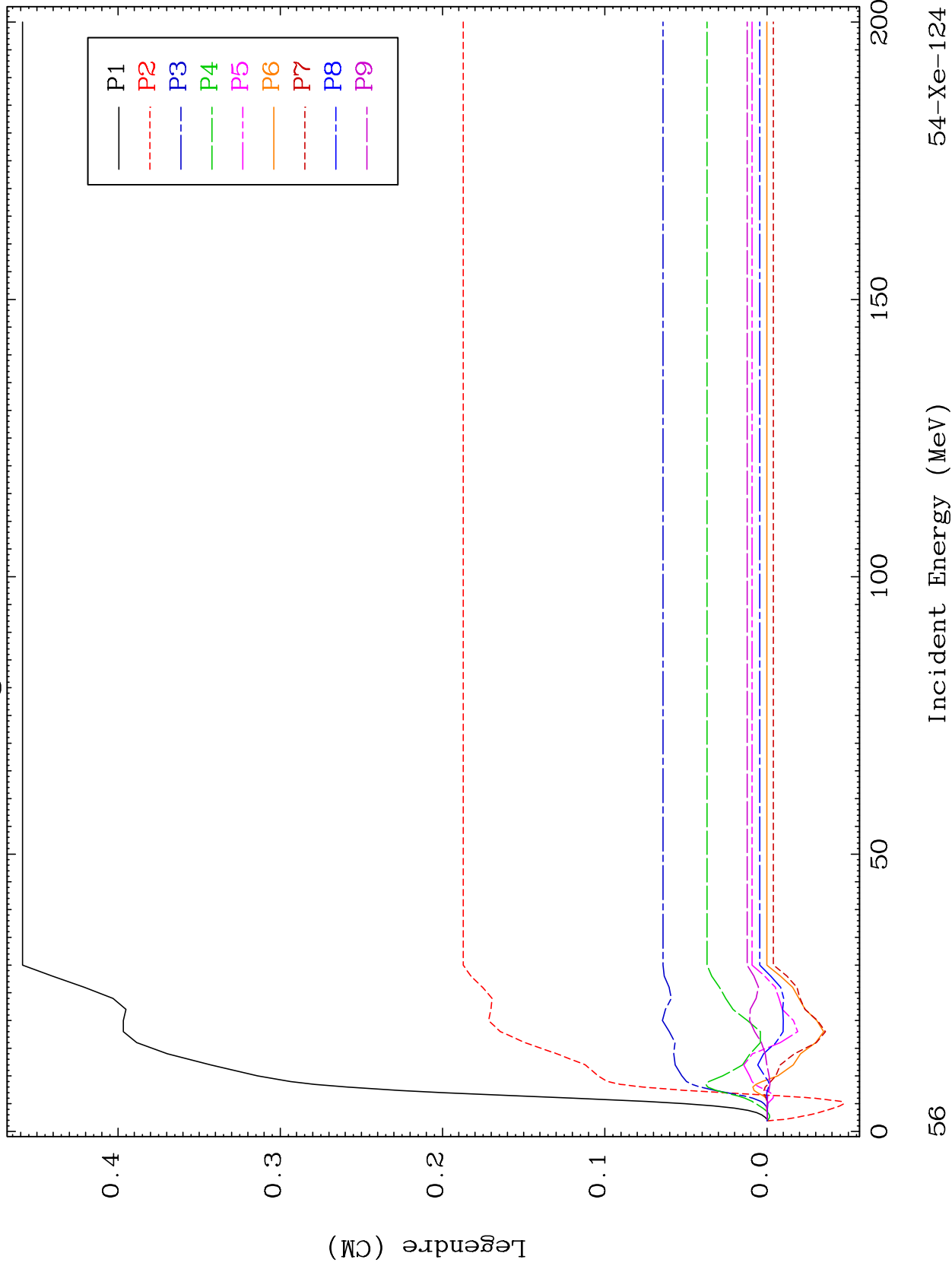




MAT 5425

1.873 MeV (n,n') Level  
Legendre Coefficients

54-Xe-124



54-Xe-124

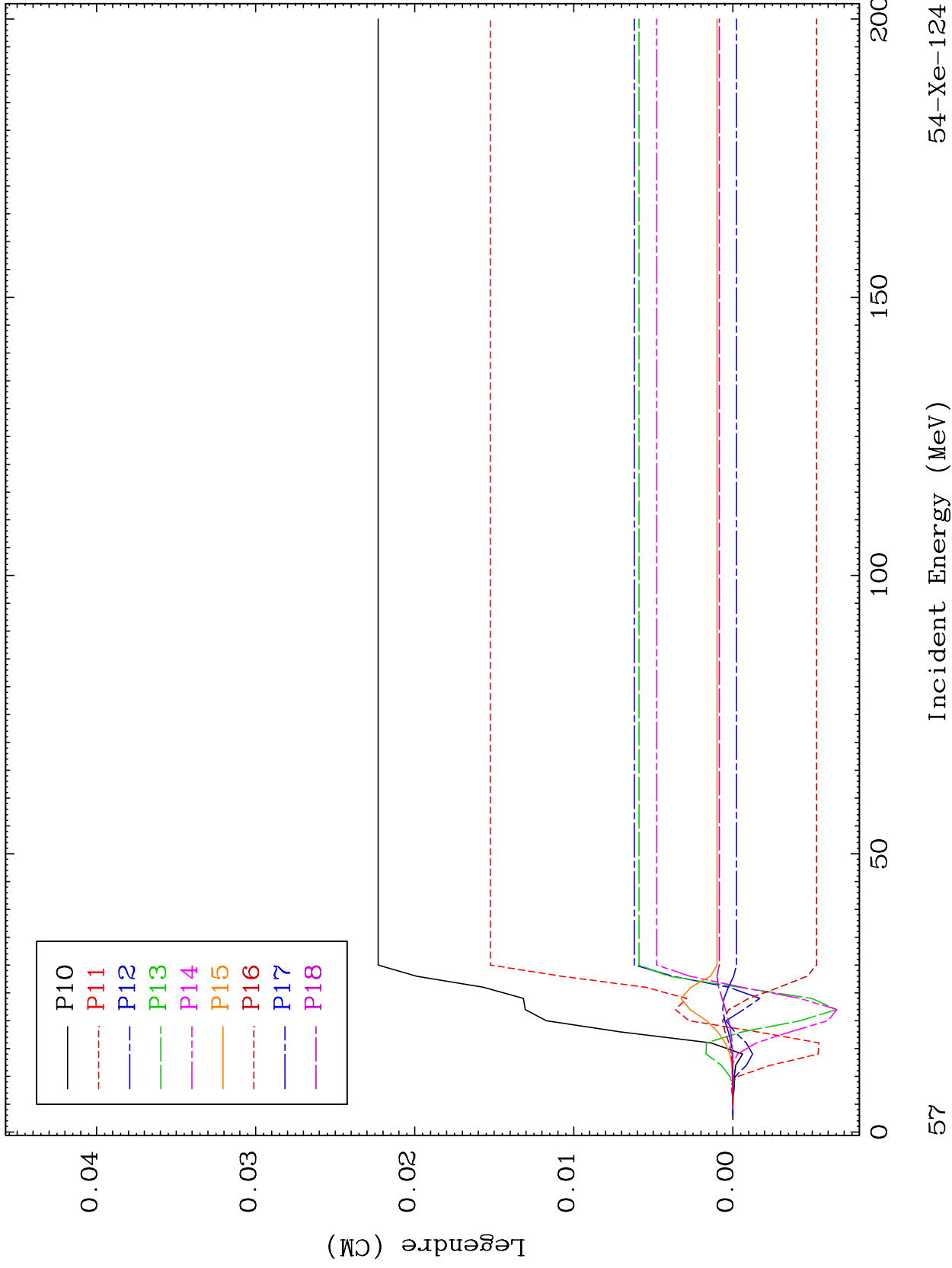
Incident Energy (MeV)

56

MAT 5425

1.873 MeV (n,n') Level  
Legendre Coefficients

54-Xe-124



54-Xe-124

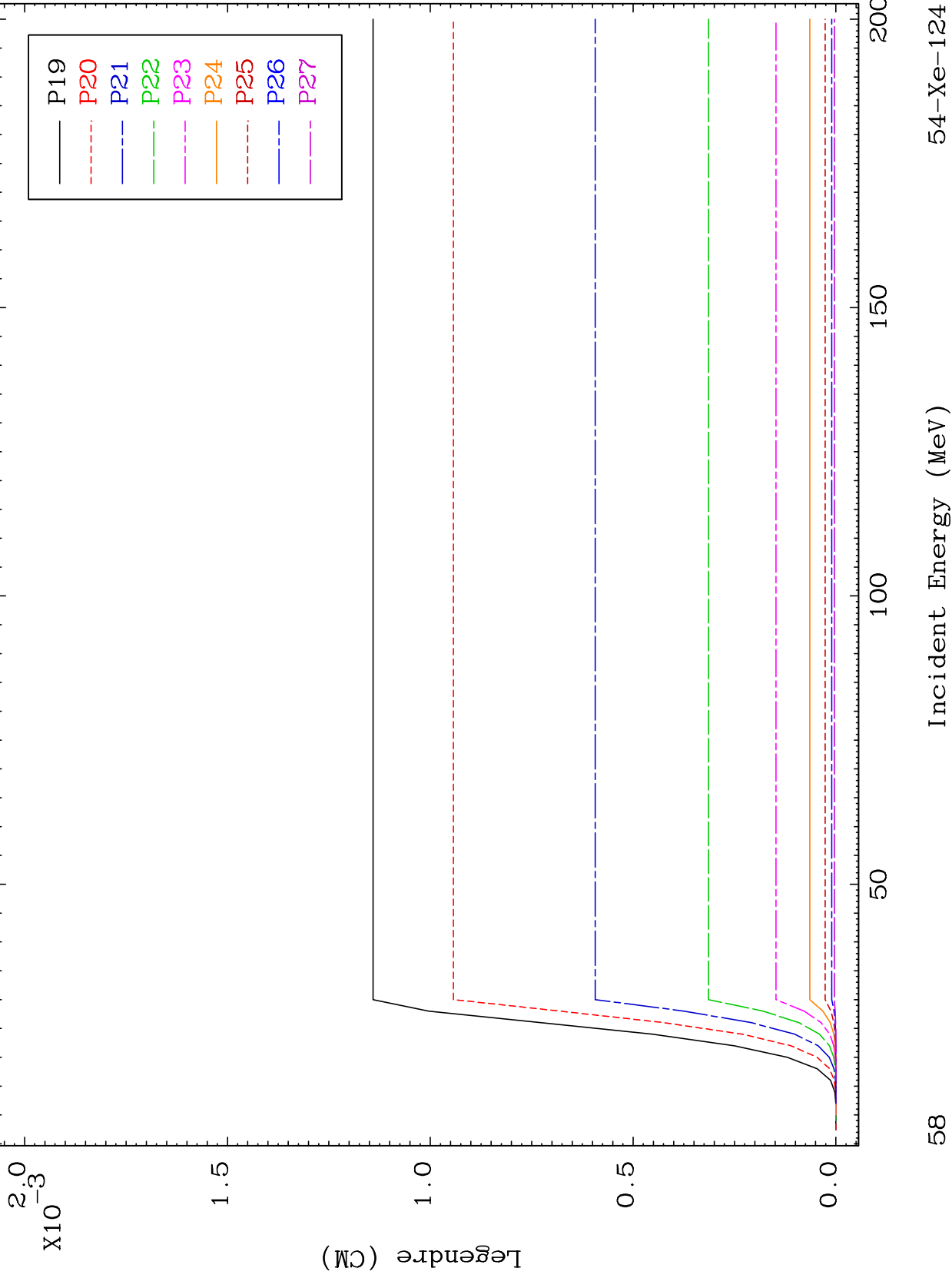
Incident Energy (MeV)

57

MAT 5425

1.873 MeV (n,n') Level  
Legendre Coefficients

54-Xe-124

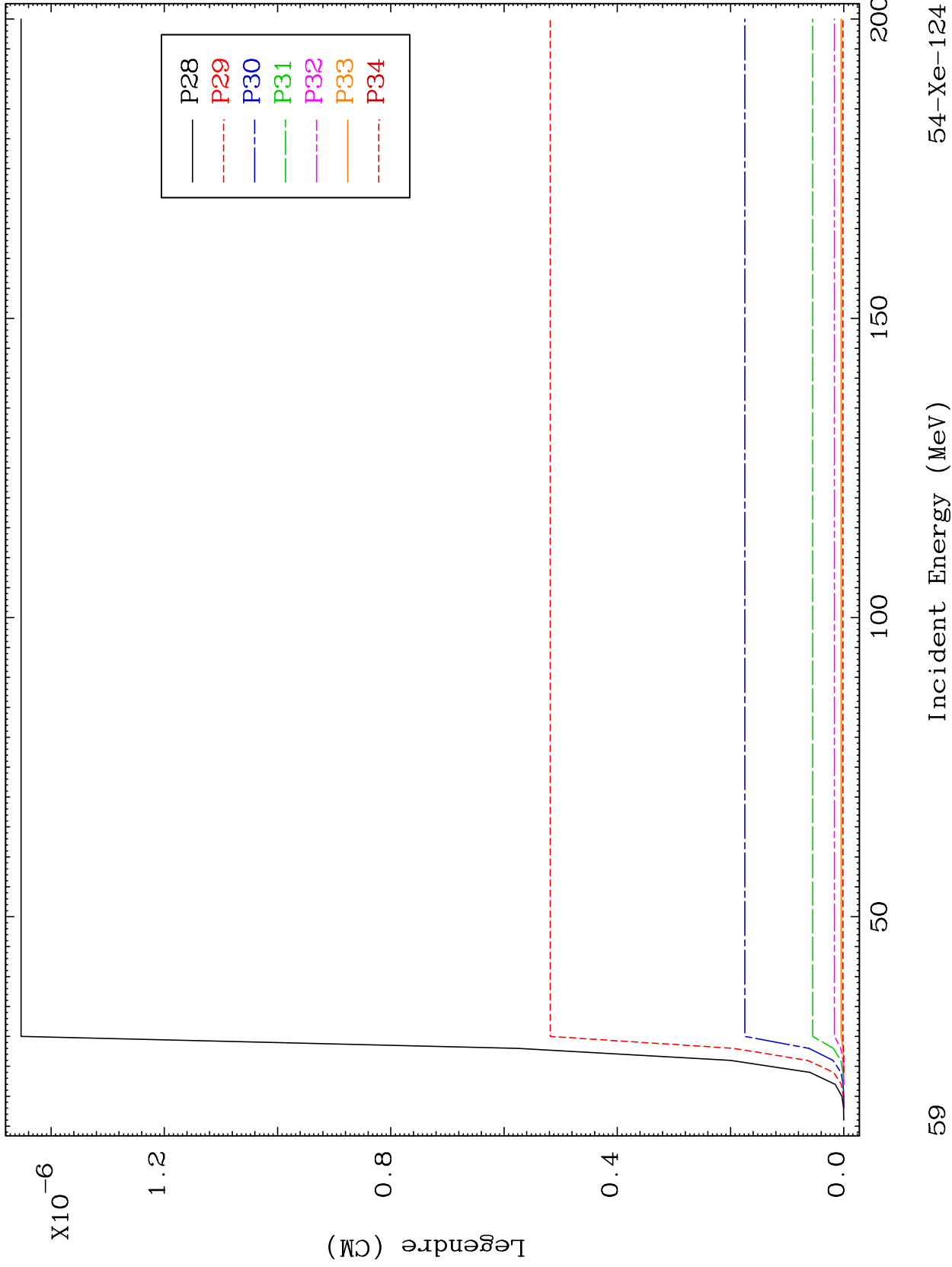


58

MAT 5425

1.873 MeV (n,n') Level  
Legendre Coefficients

54-Xe-124



59

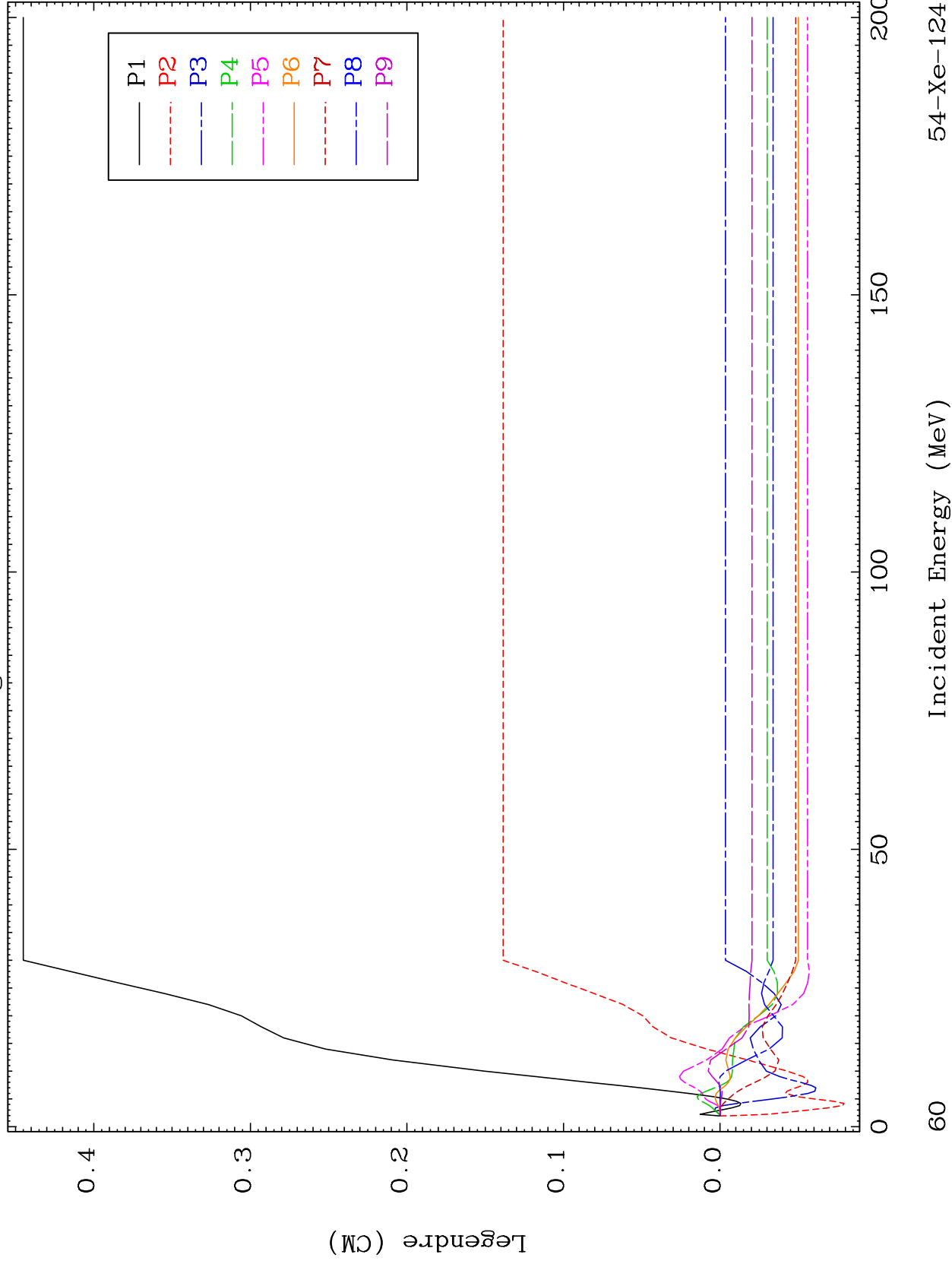
Incident Energy (MeV)

54-Xe-124

MAT 5425

1.898 MeV (n, n') Level  
Legendre Coefficients

54-Xe-124

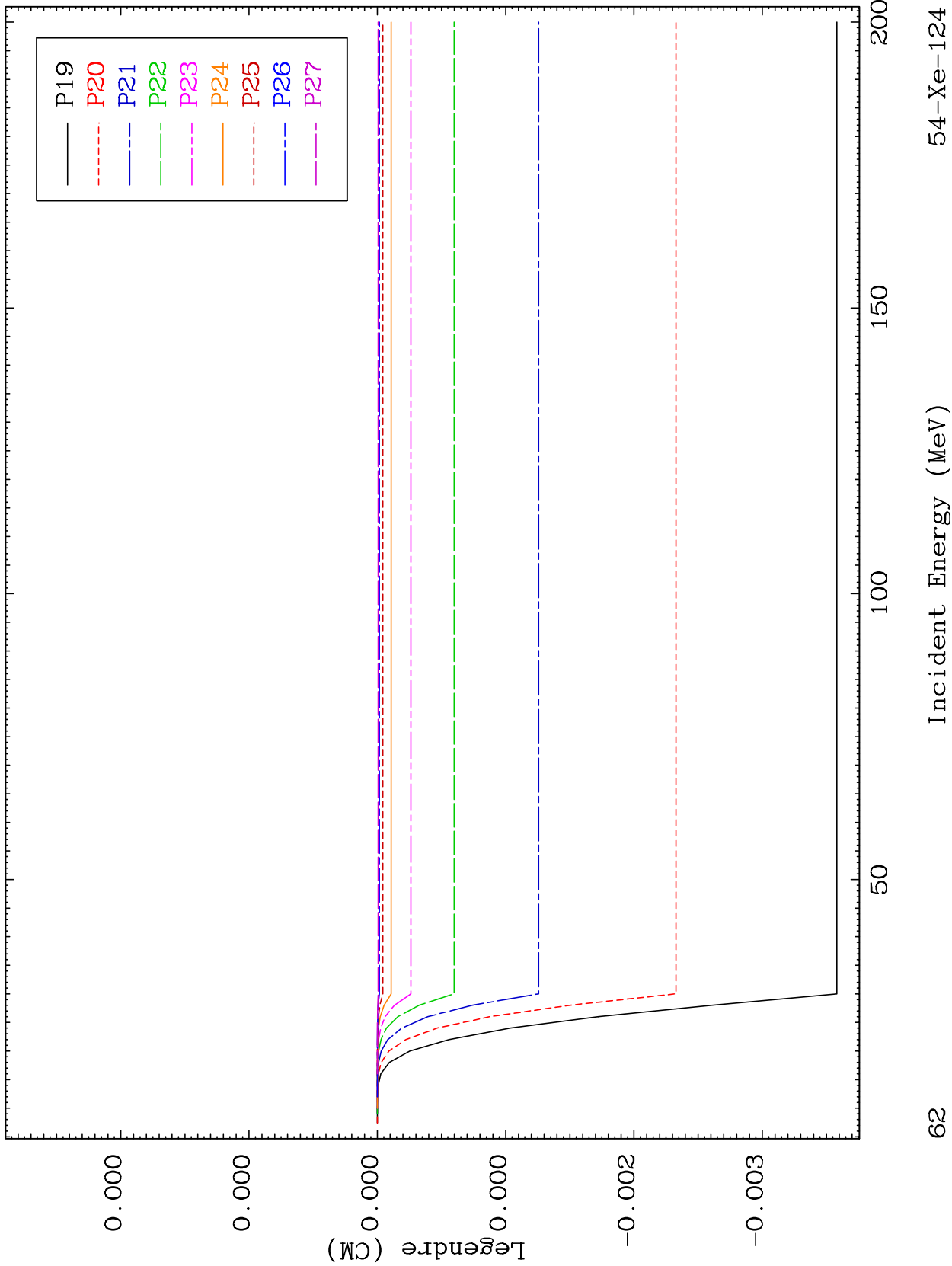




MAT 5425

1.898 MeV (n,n') Level  
Legendre Coefficients

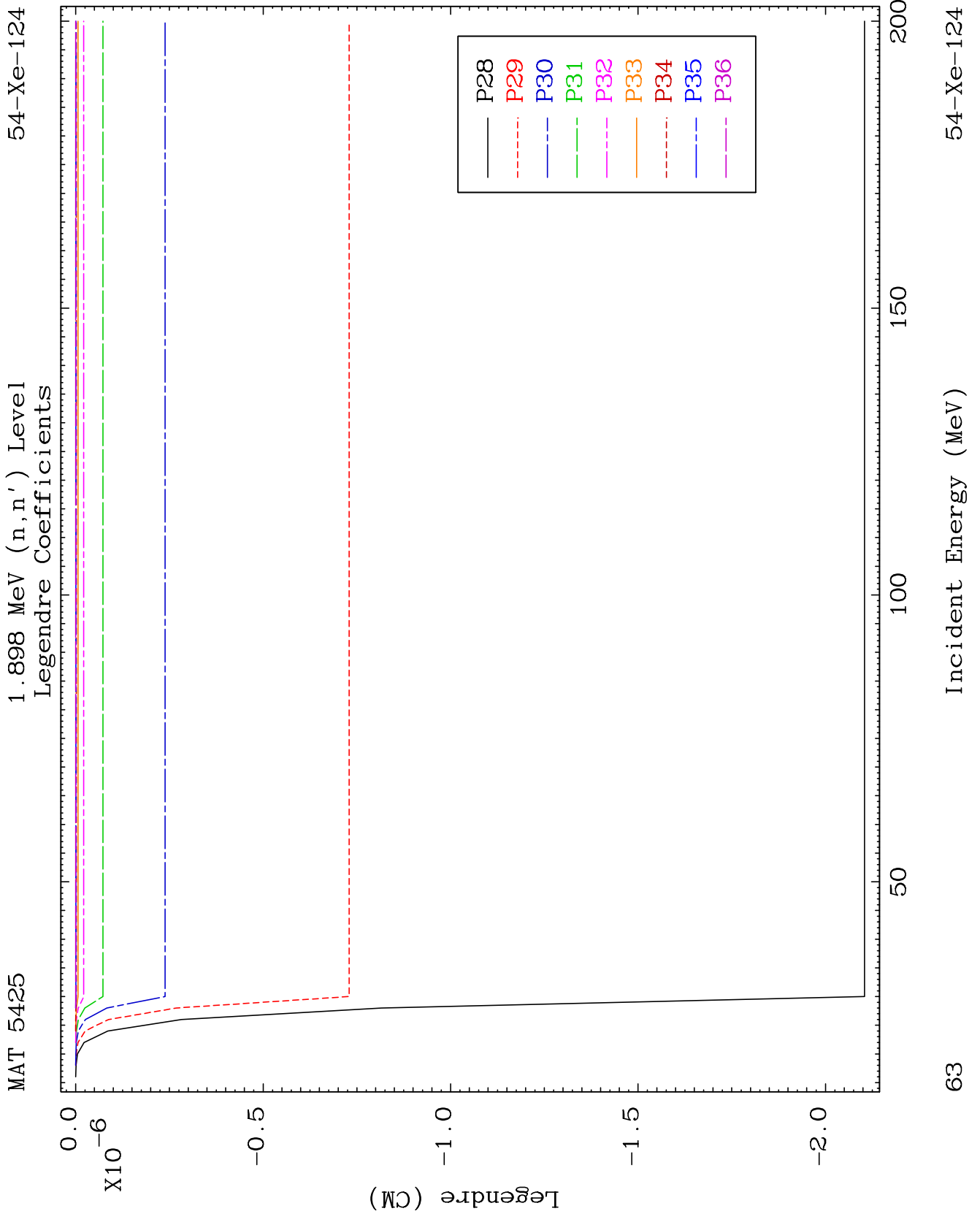
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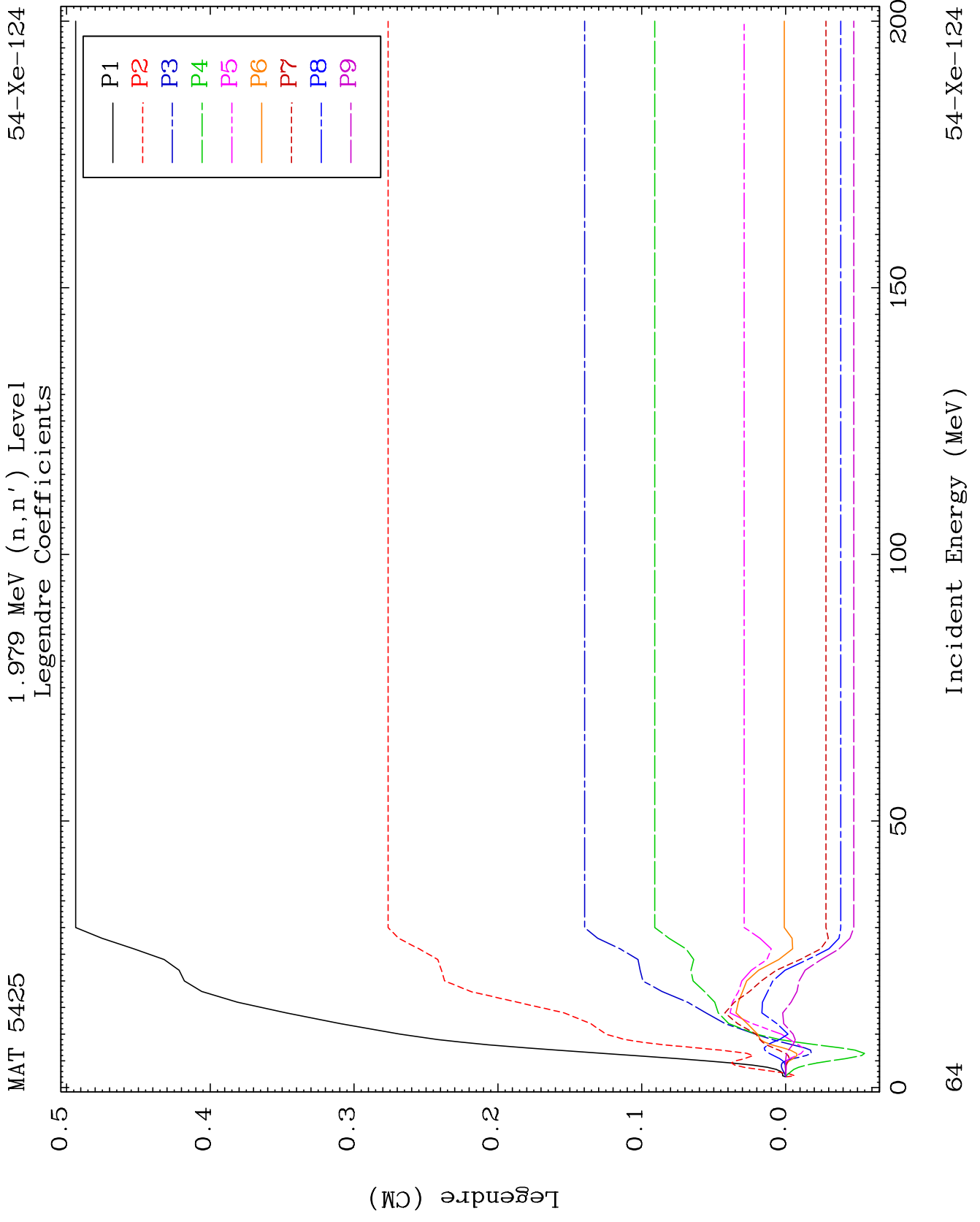
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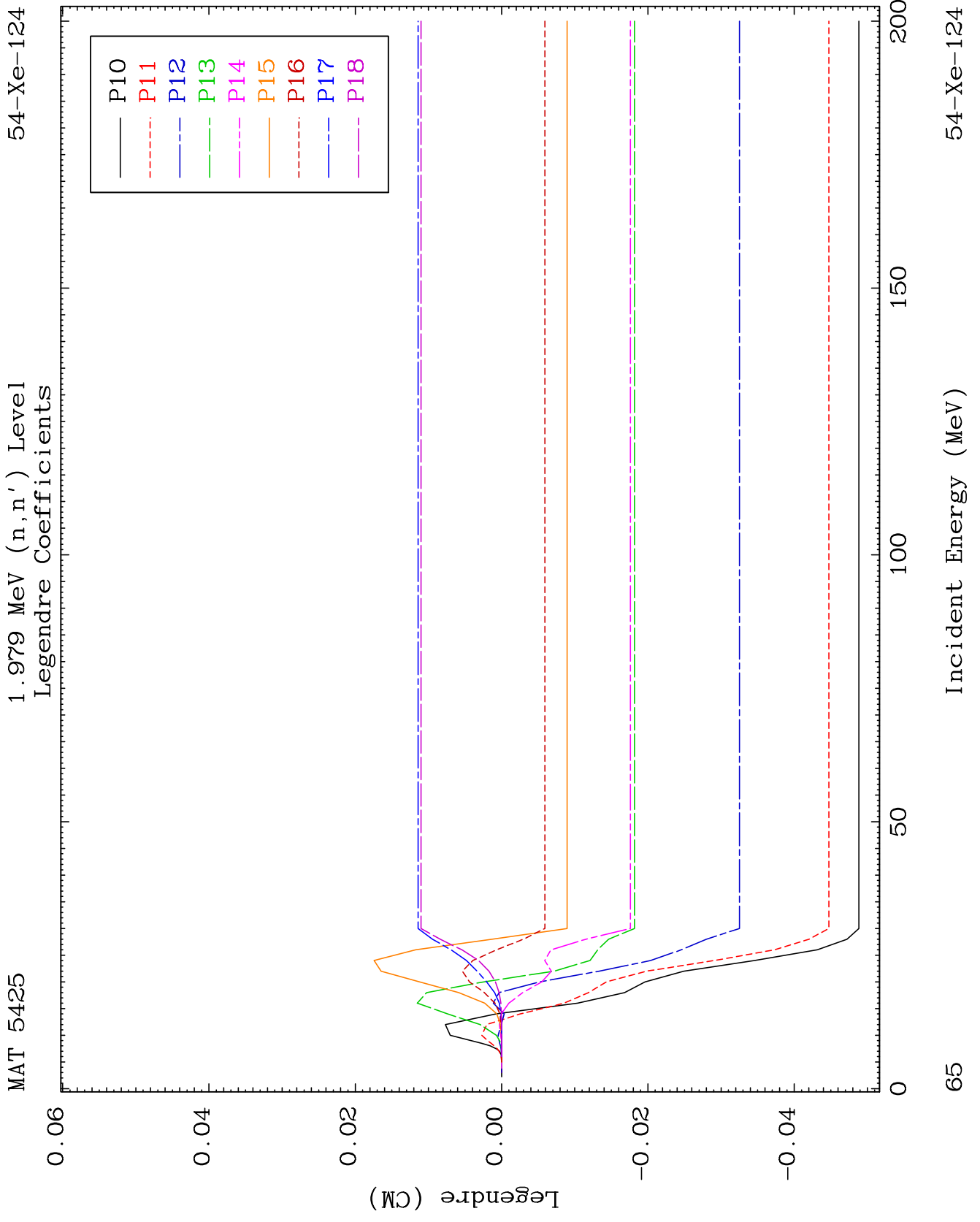
Incident Energy (MeV)

54-Xe-124





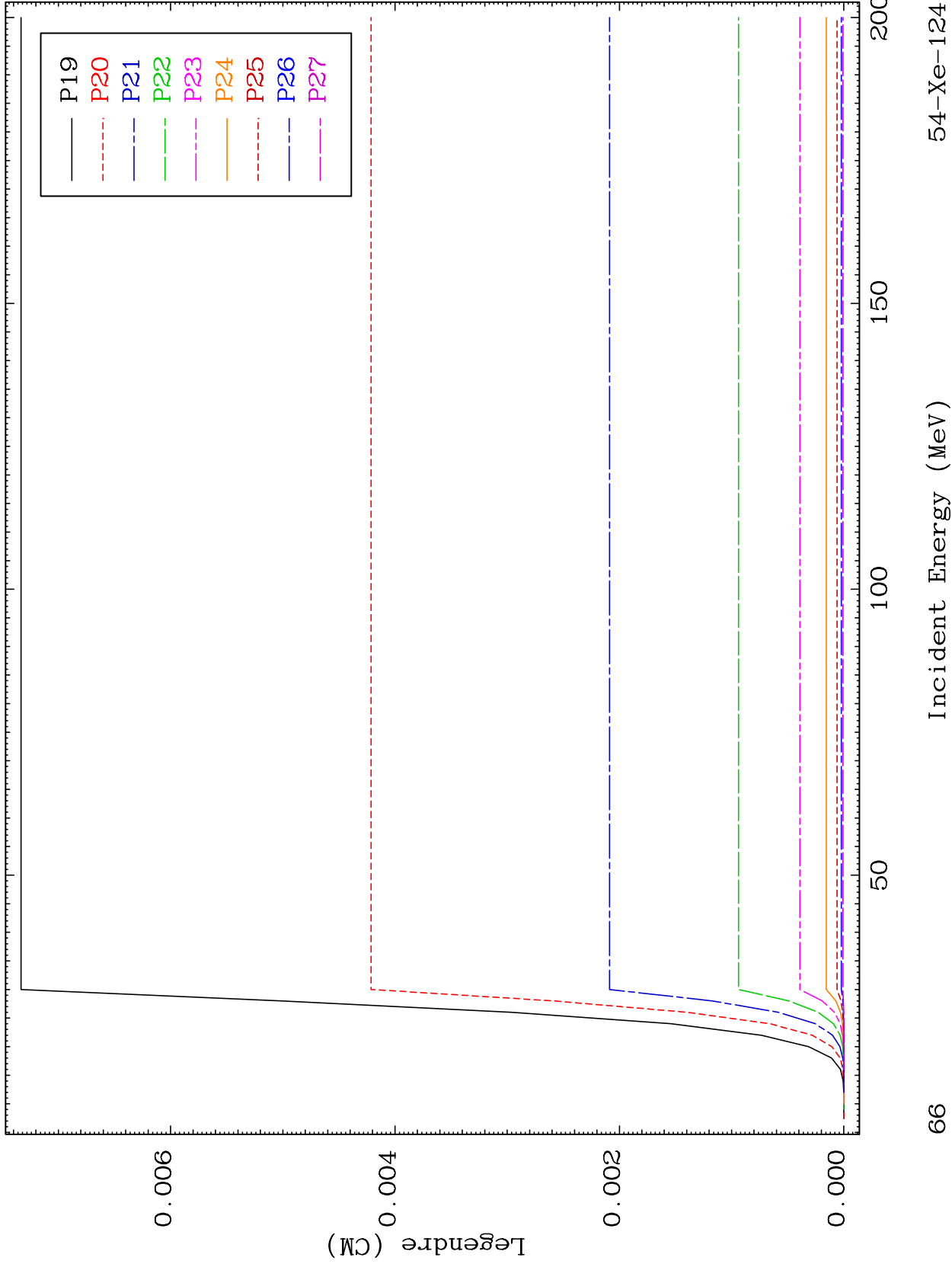




MAT 5425

1.979 MeV (n,n') Level  
Legendre Coefficients

54-Xe-124



66

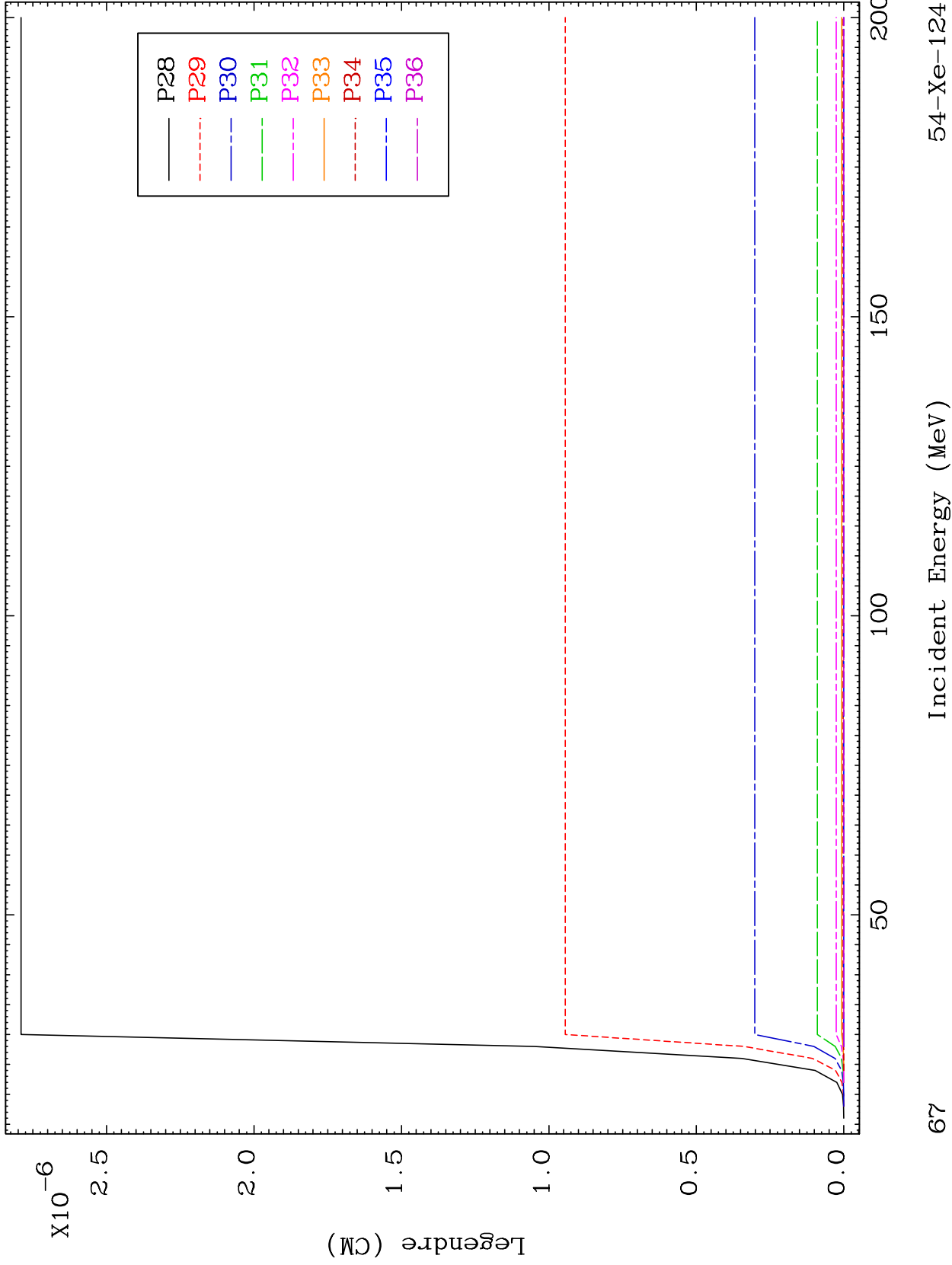
Incident Energy (MeV)

54-Xe-124

MAT 5425

1.979 MeV (n,n') Level  
Legendre Coefficients

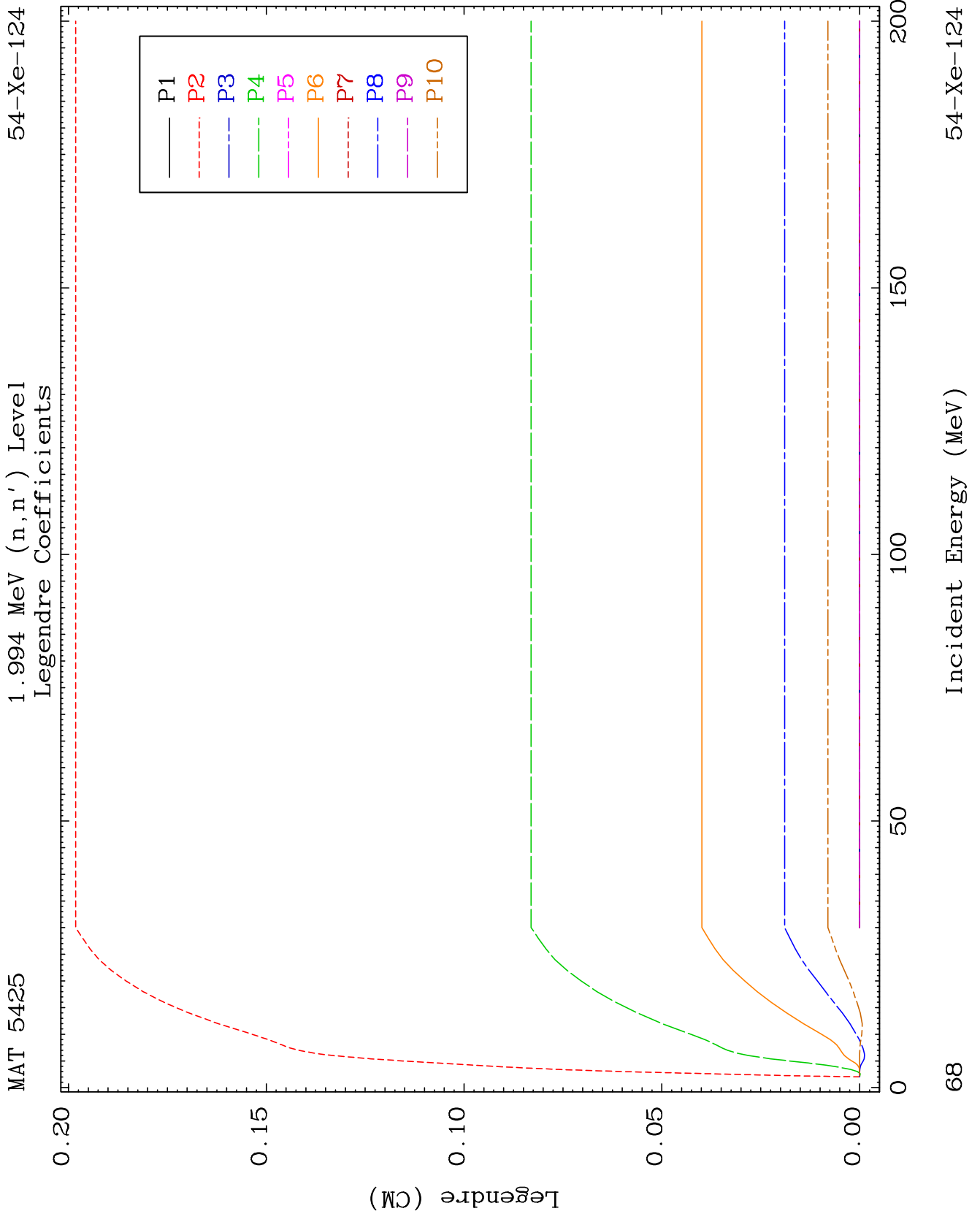
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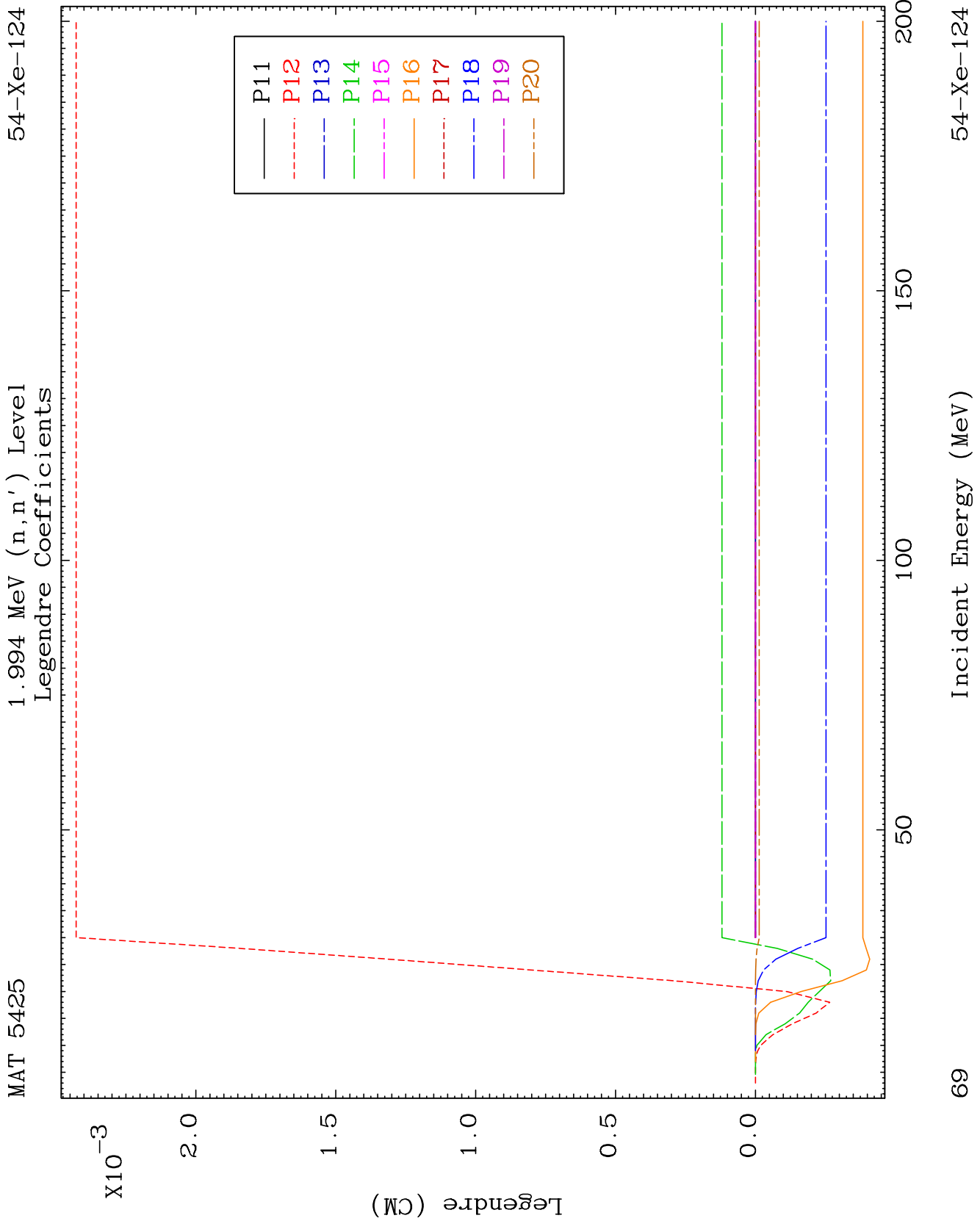


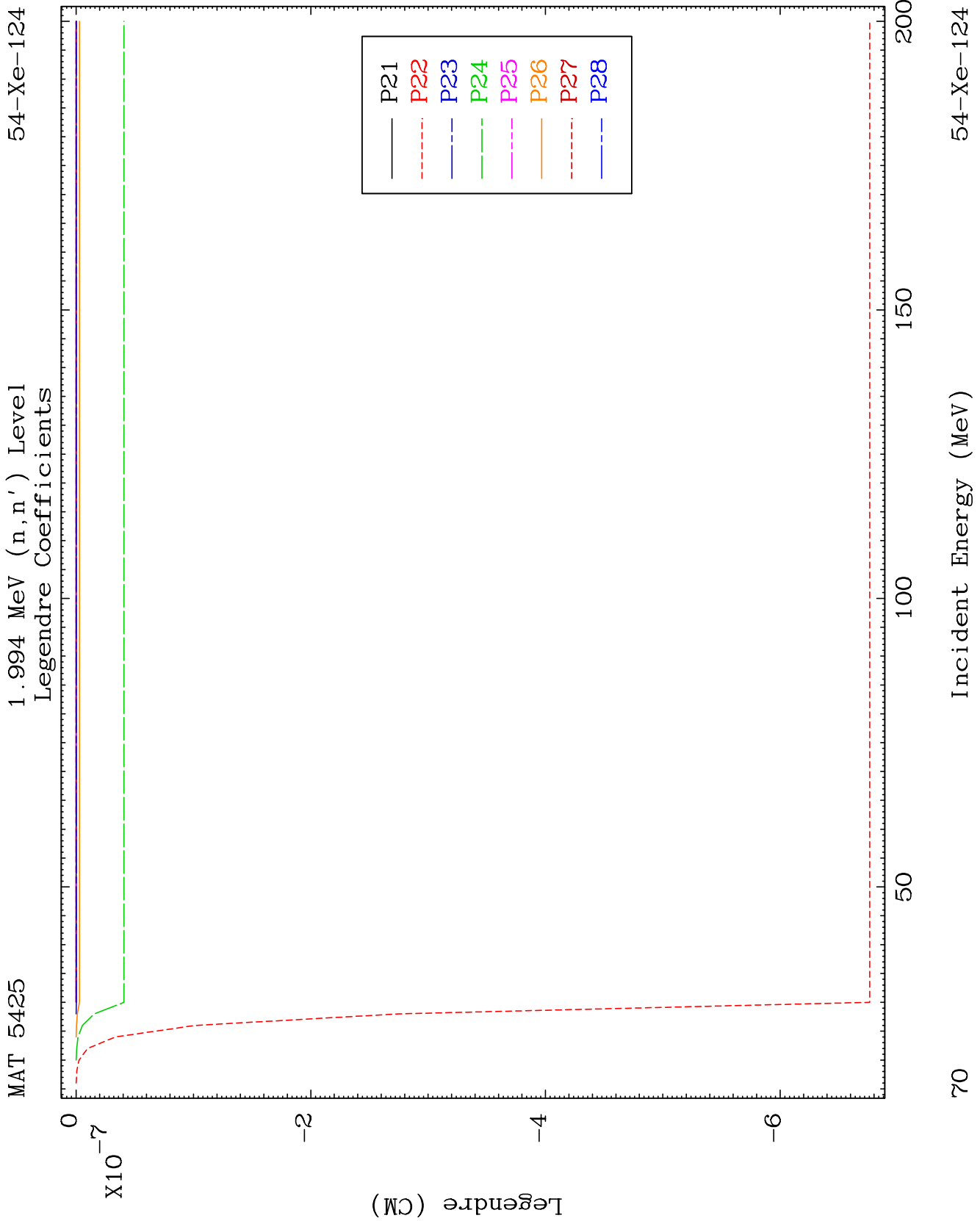
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Incident Energy (MeV)

54-Xe-124







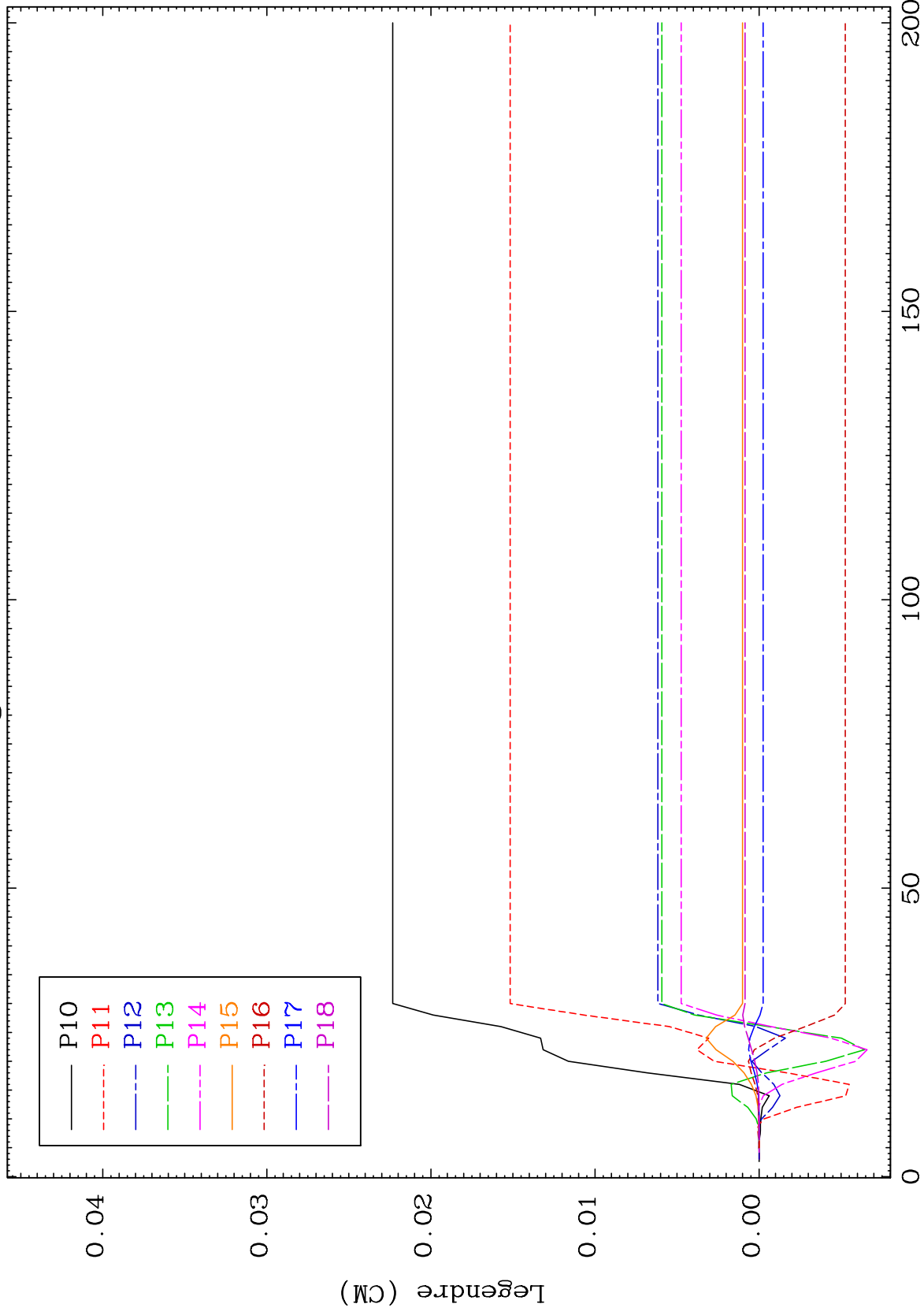




MAT 5425

2.015 MeV (n,n') Level  
Legendre Coefficients

54-Xe-124



72

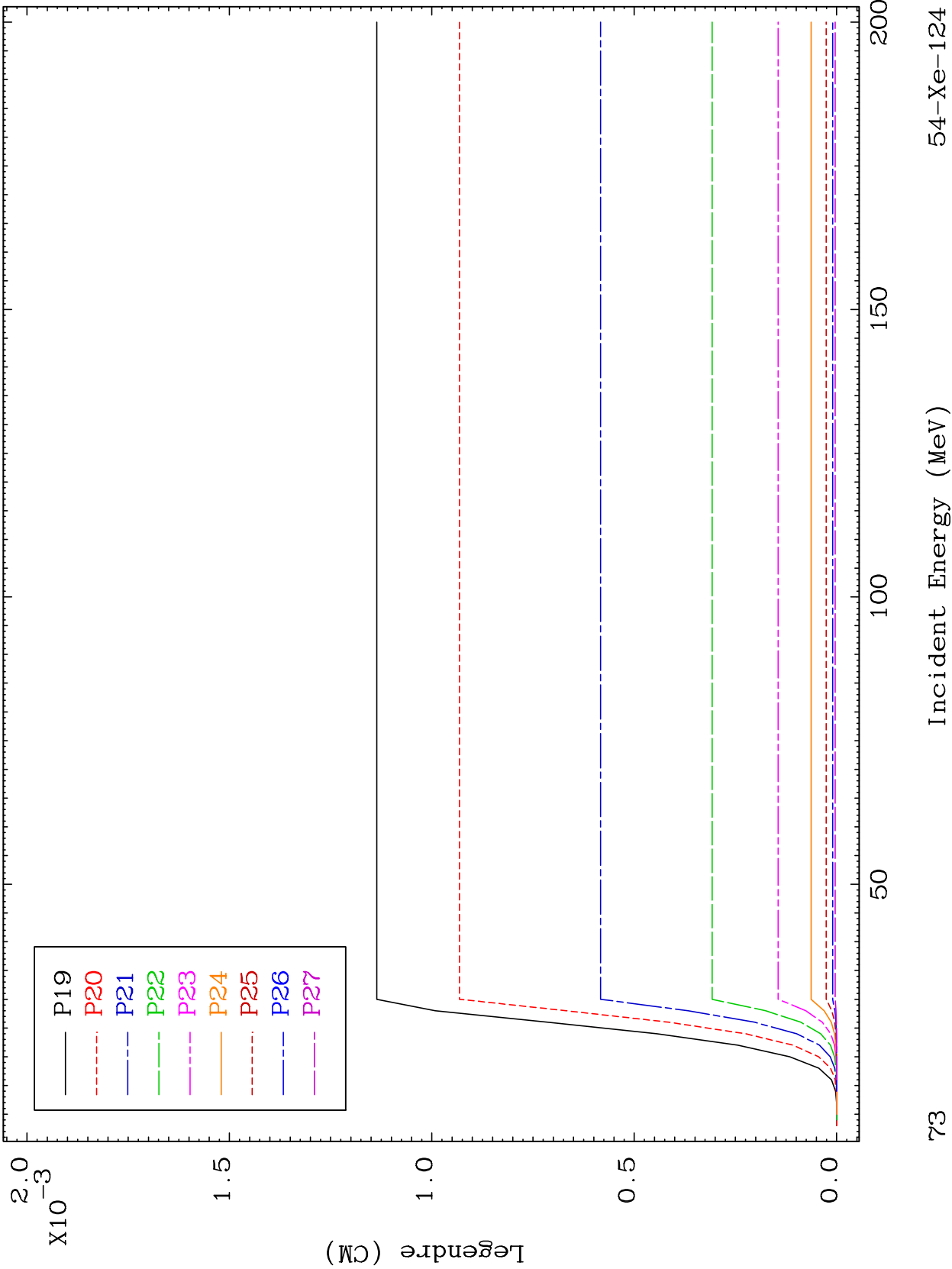
Incident Energy (MeV)

54-Xe-124

MAT 5425

2.015 MeV (n, n') Level  
Legendre Coefficients

54-Xe-124



73

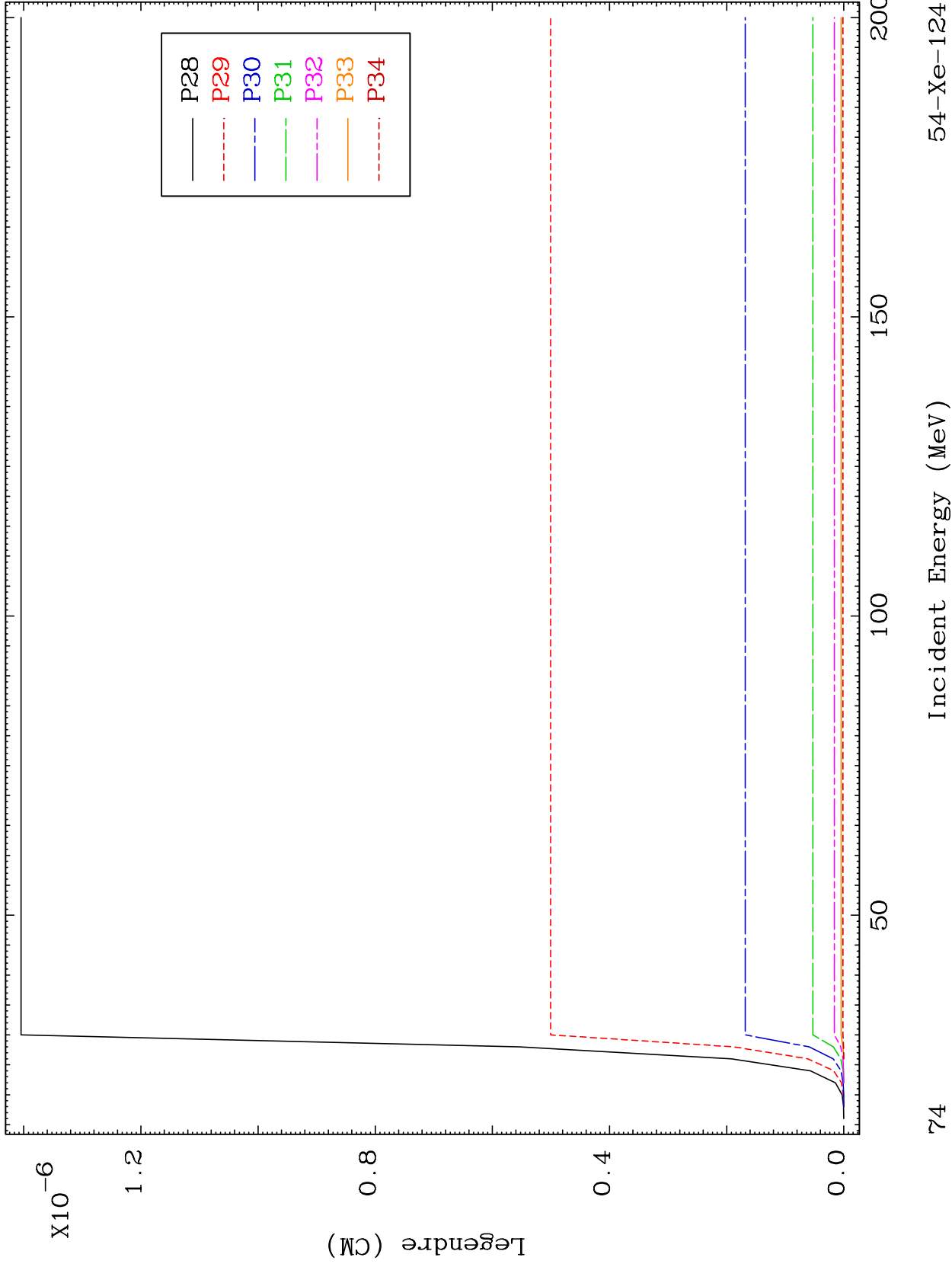
Incident Energy (MeV)

54-Xe-124

MAT 5425

2.015 MeV (n,n') Level  
Legendre Coefficients

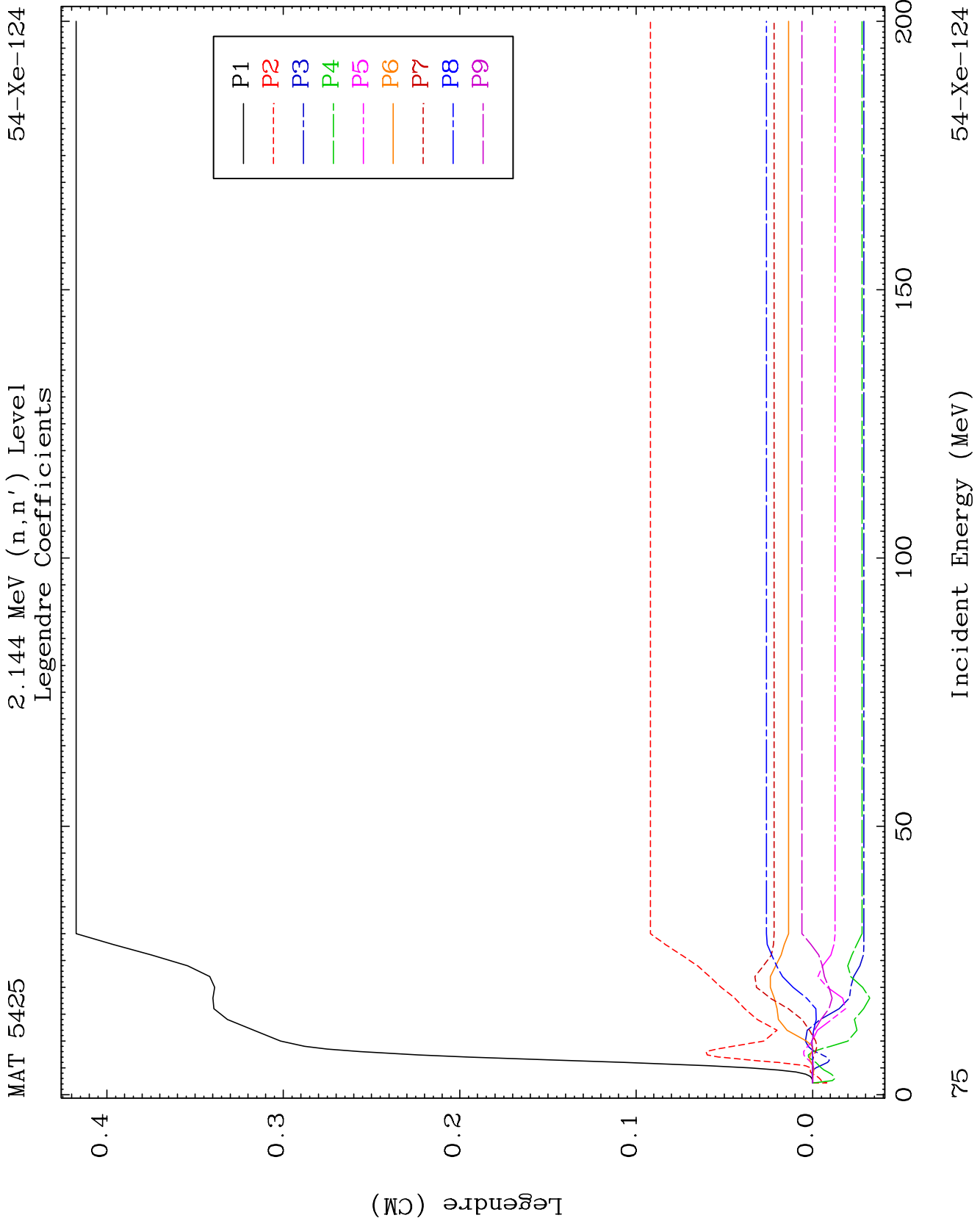
54-Xe-124



74

Incident Energy (MeV)

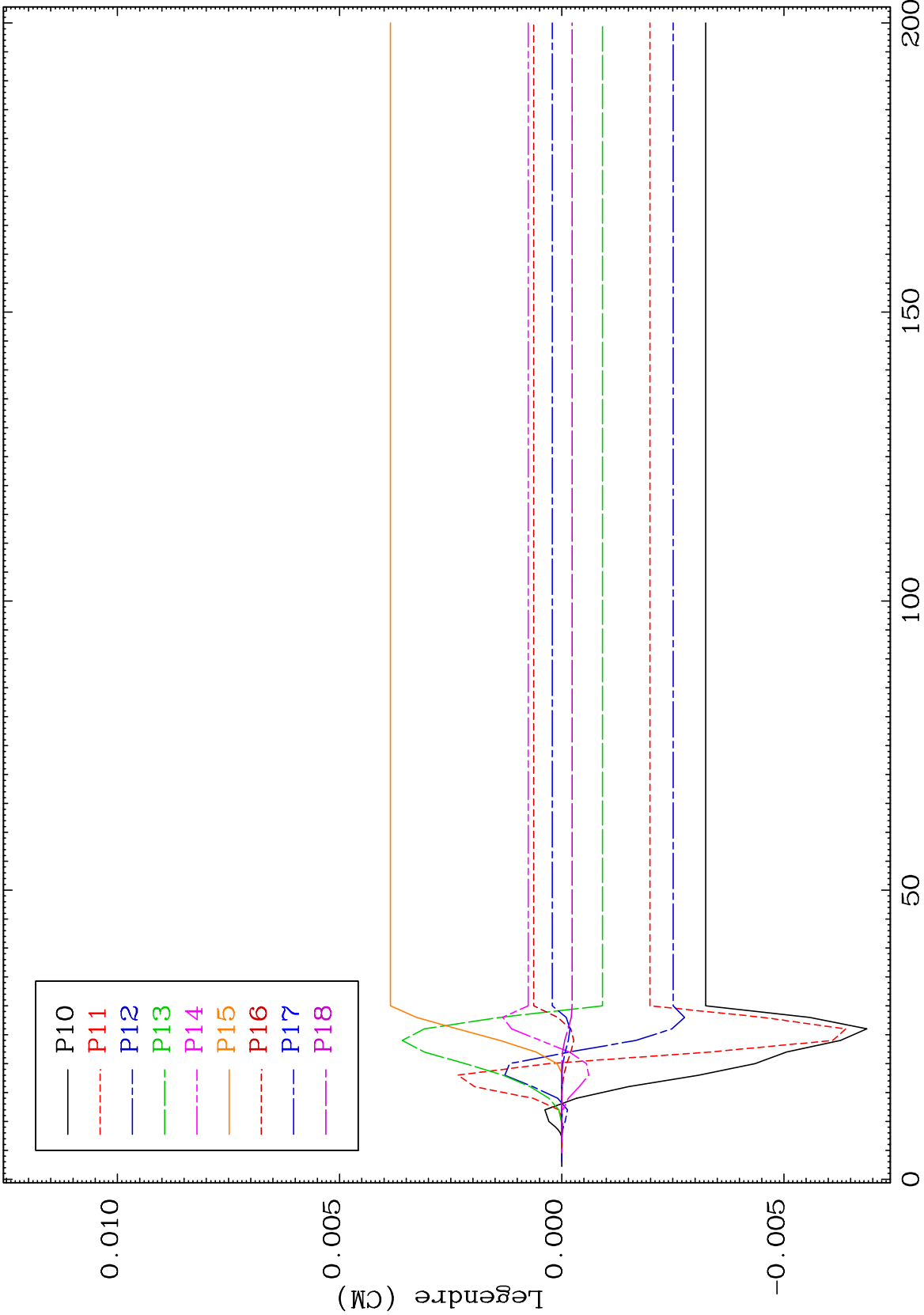
54-Xe-124



MAT 5425

2.144 MeV (n,n') Level  
Legendre Coefficients

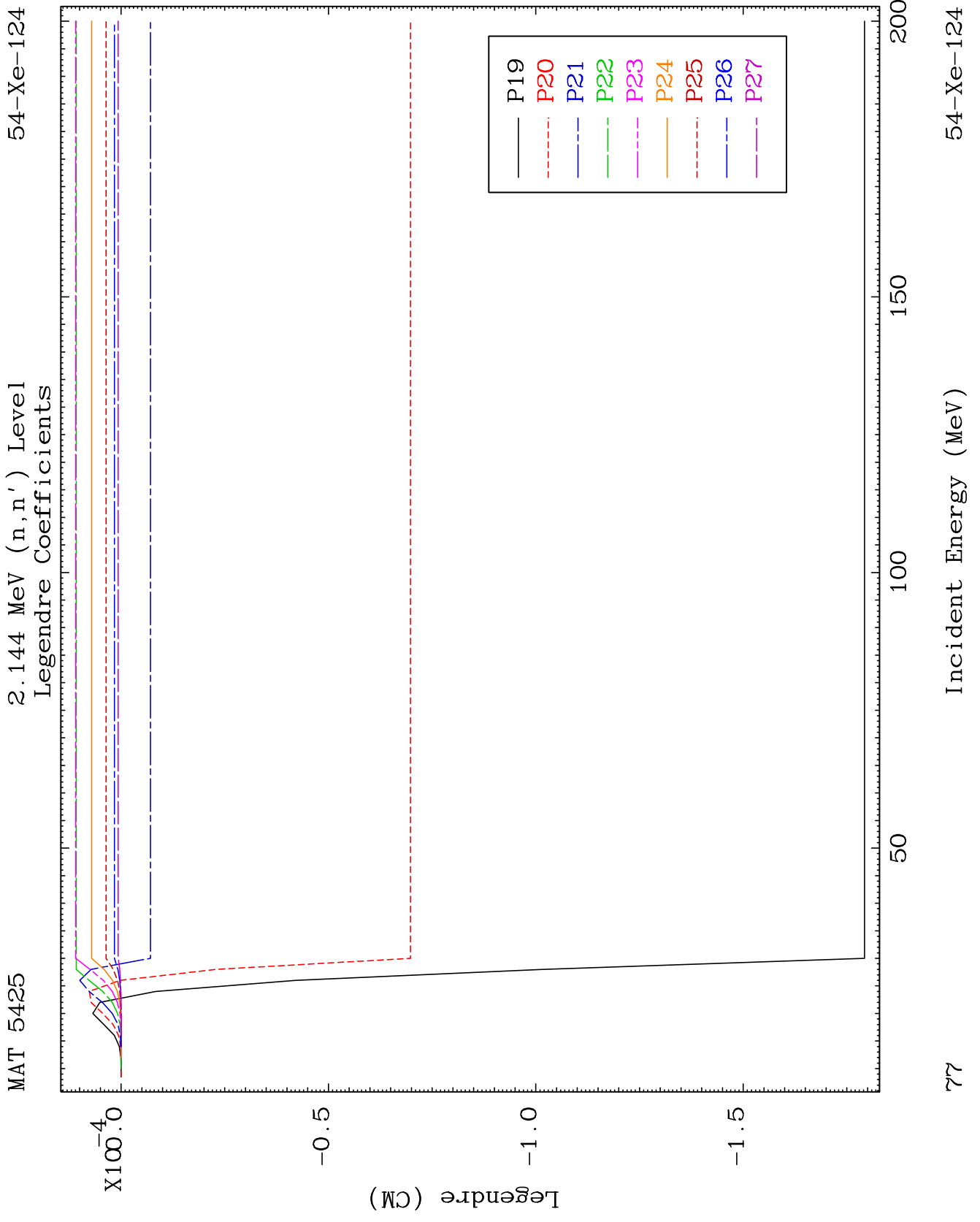
54-Xe-124



76

Incident Energy (MeV)

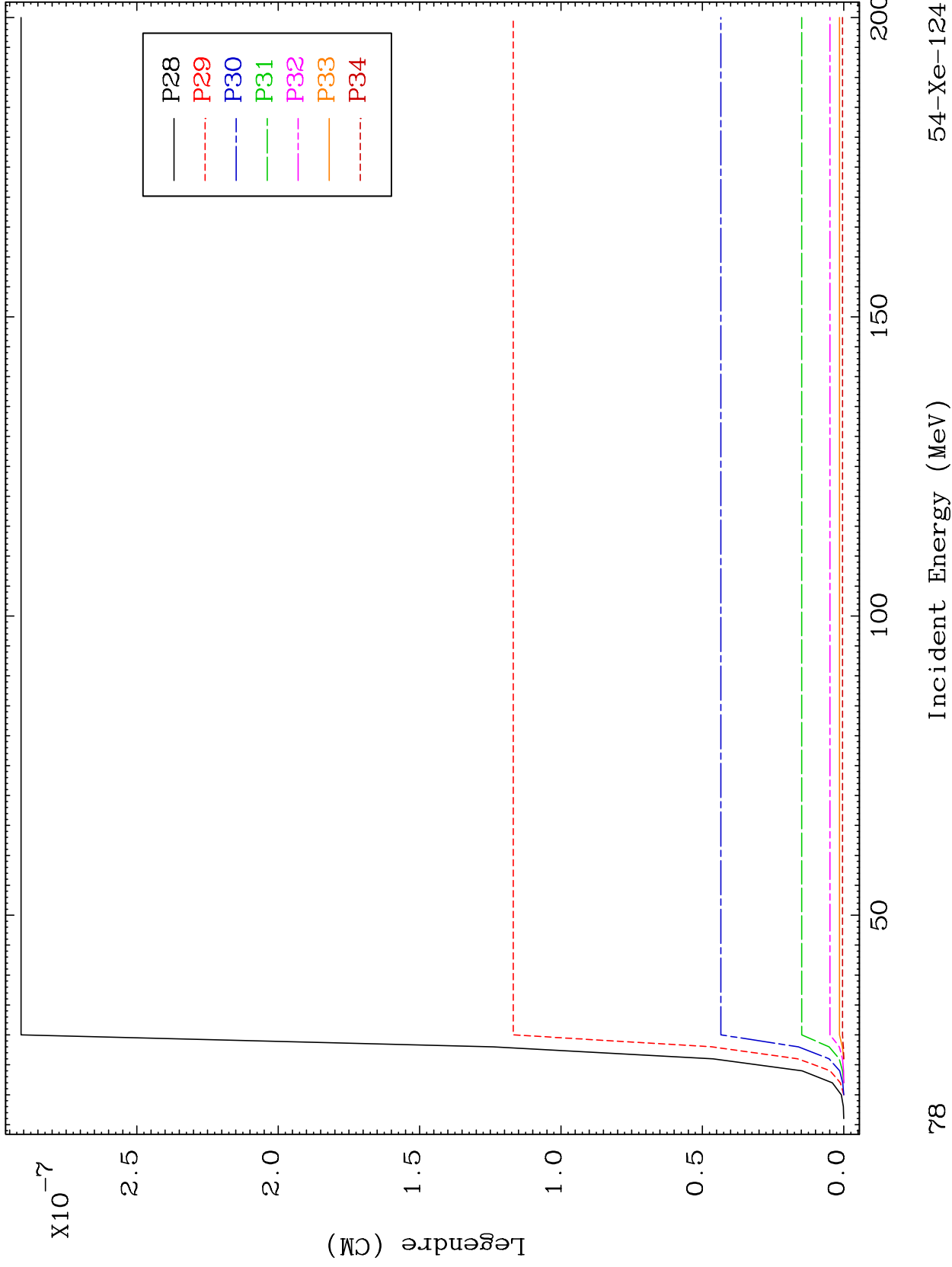
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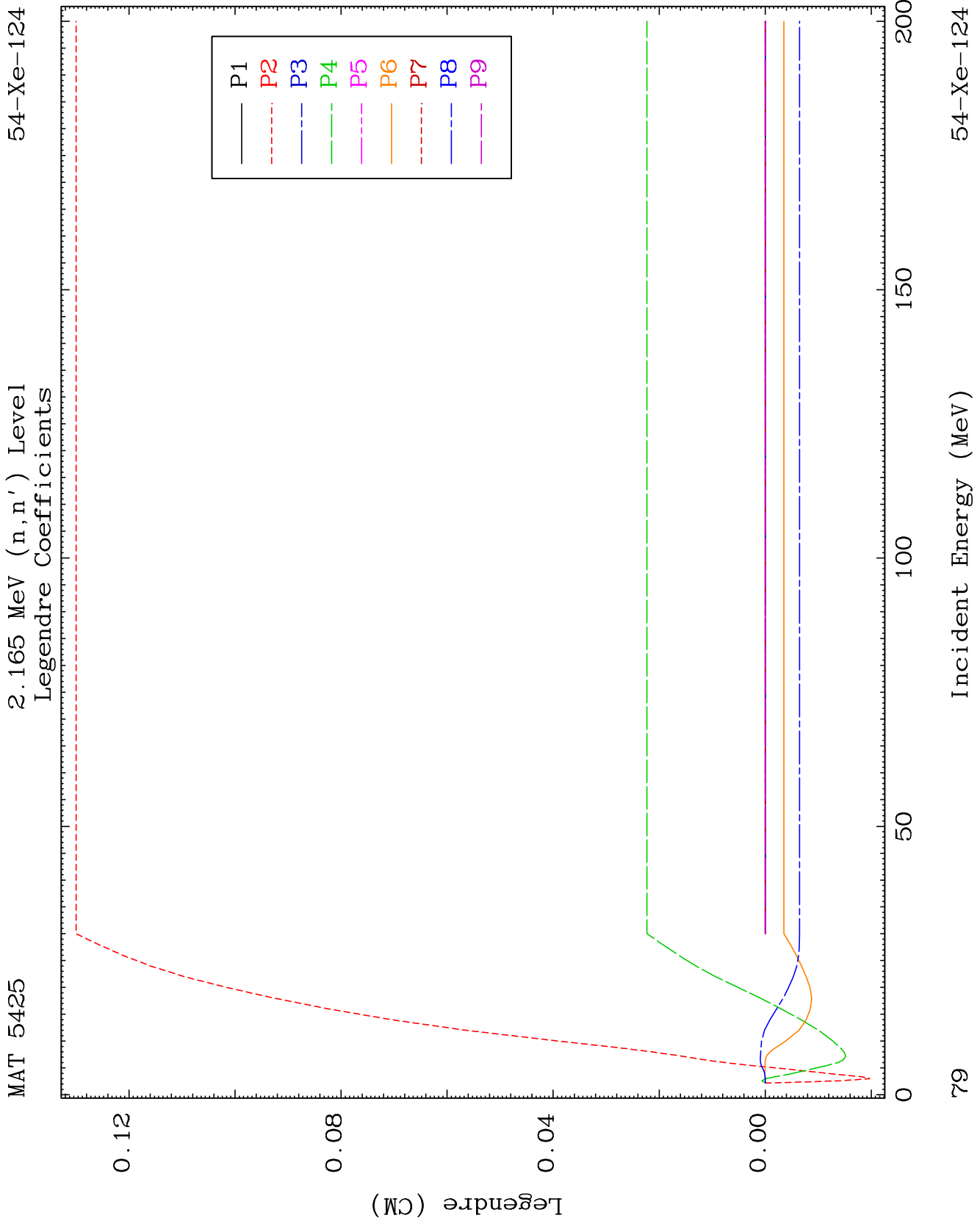


MAT 5425

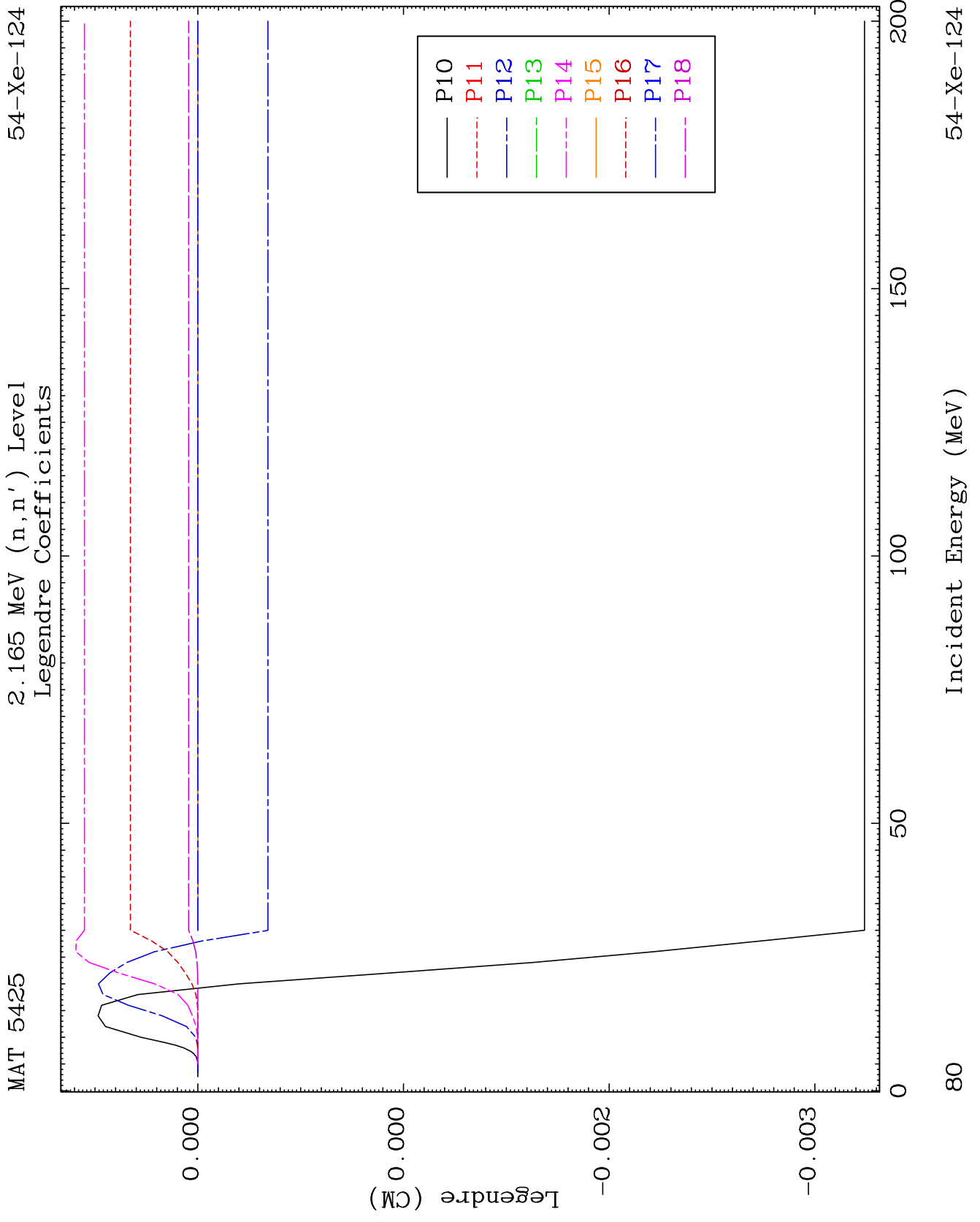
2.144 MeV (n, n') Level  
Legendre Coefficients

54-Xe-124



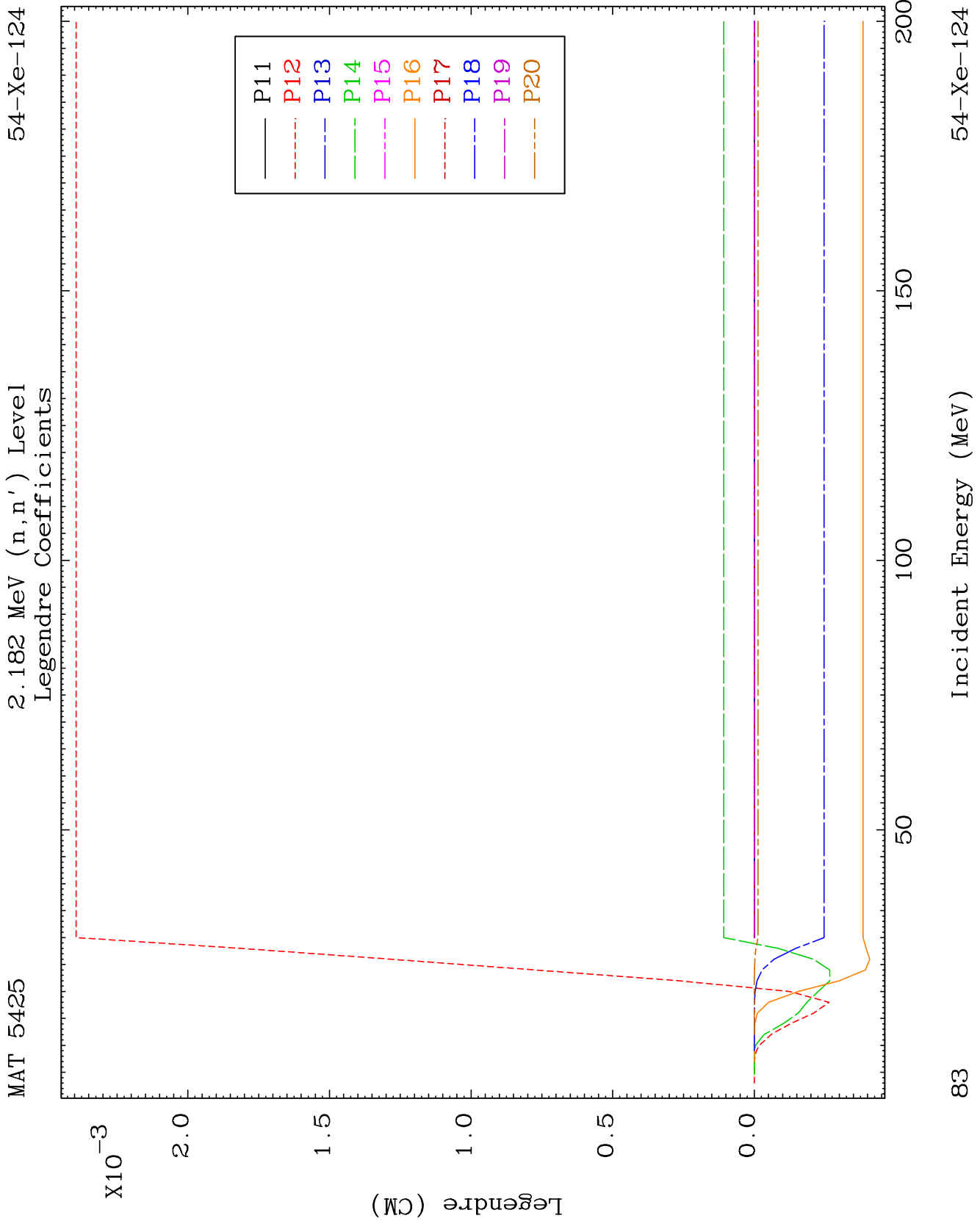


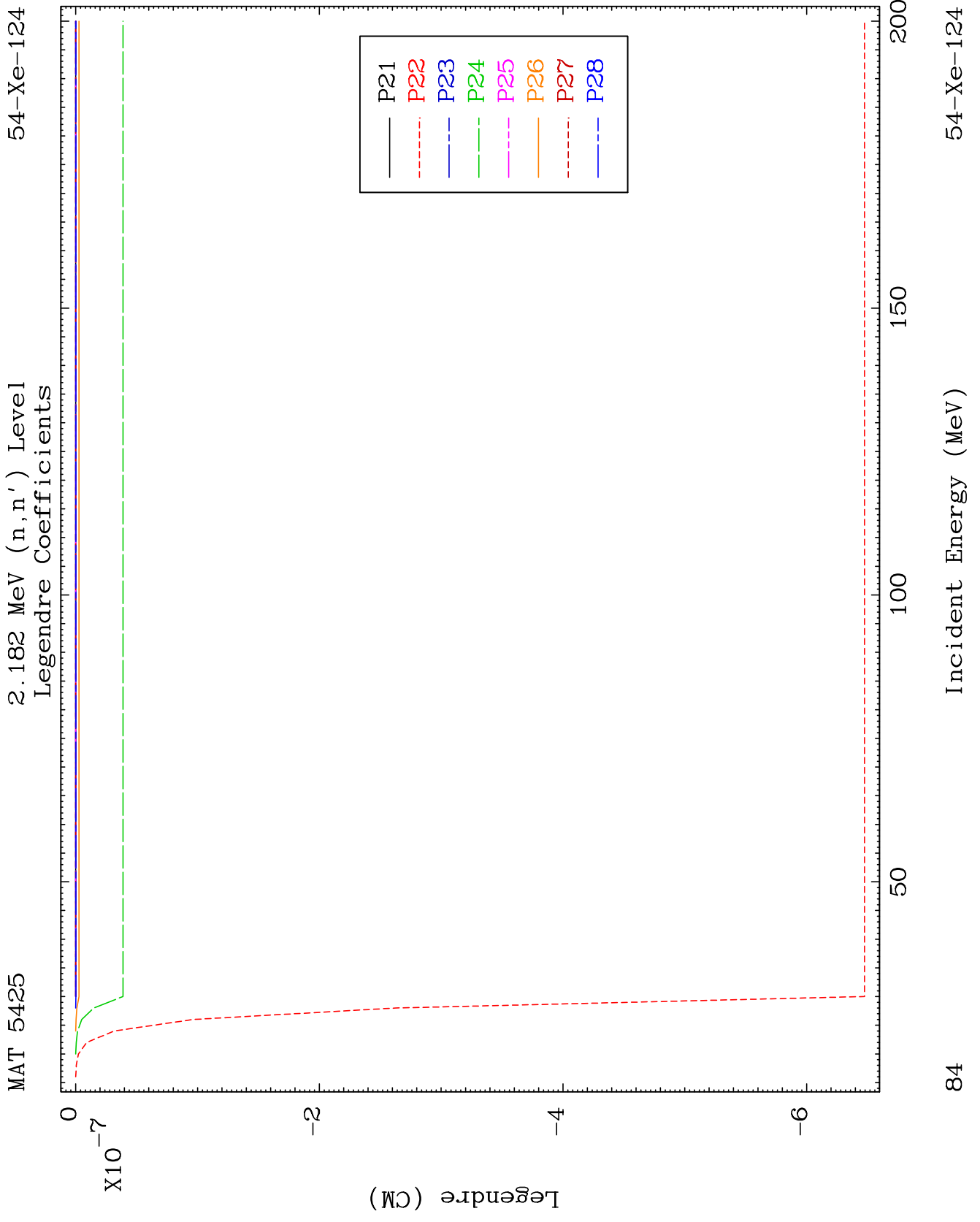


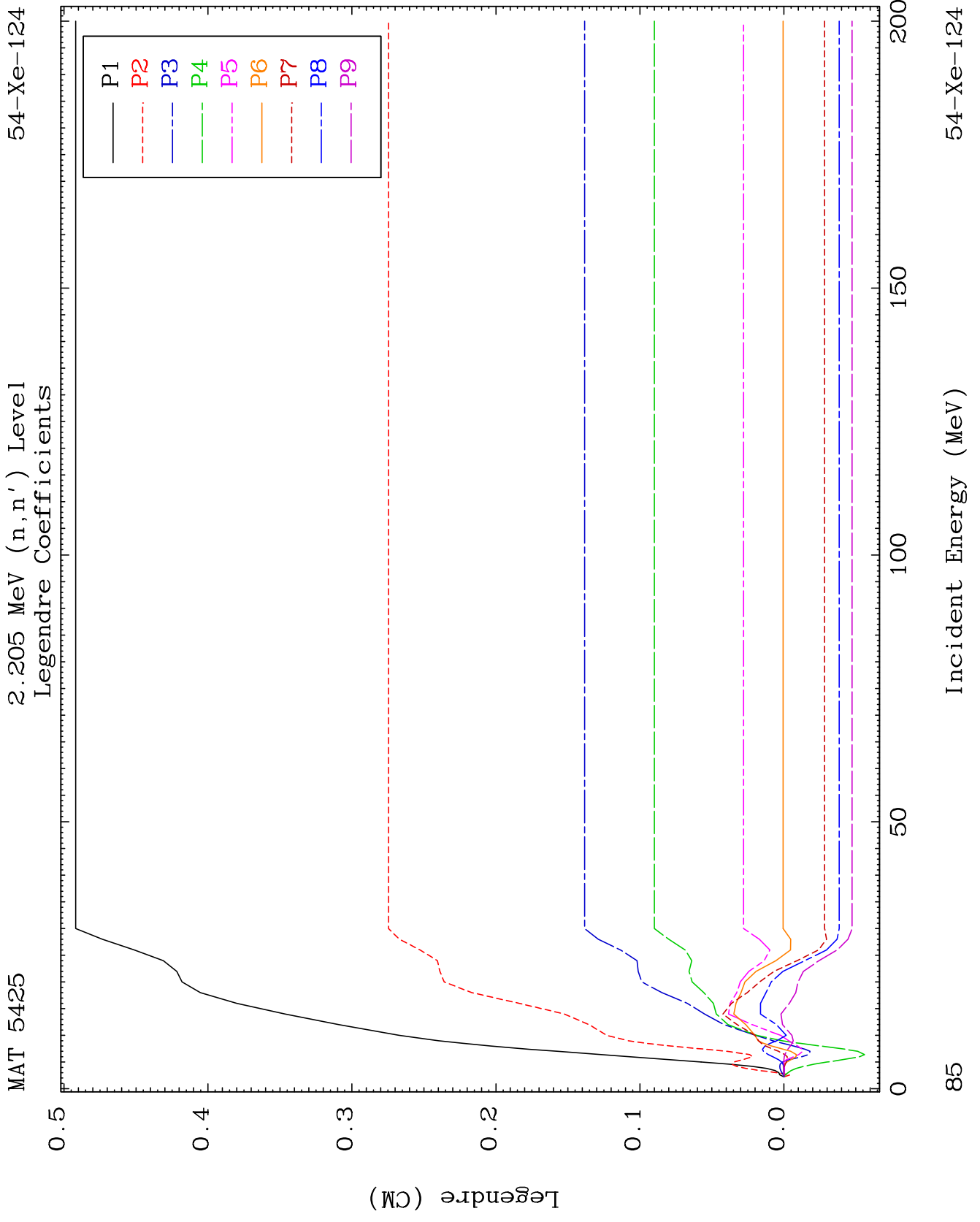








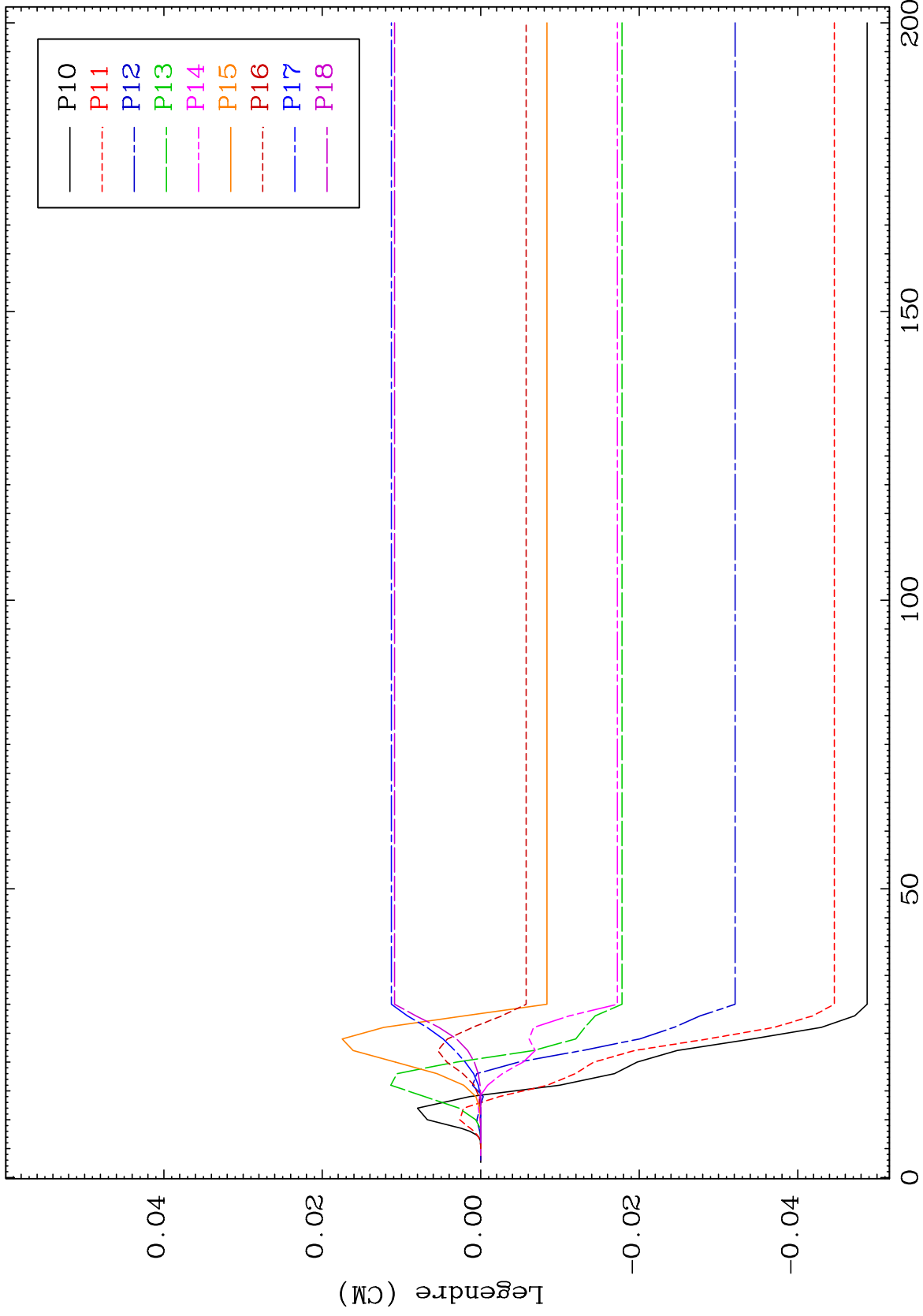




MAT 5425

2.205 MeV (n,n') Level  
Legendre Coefficients

54-Xe-124



86

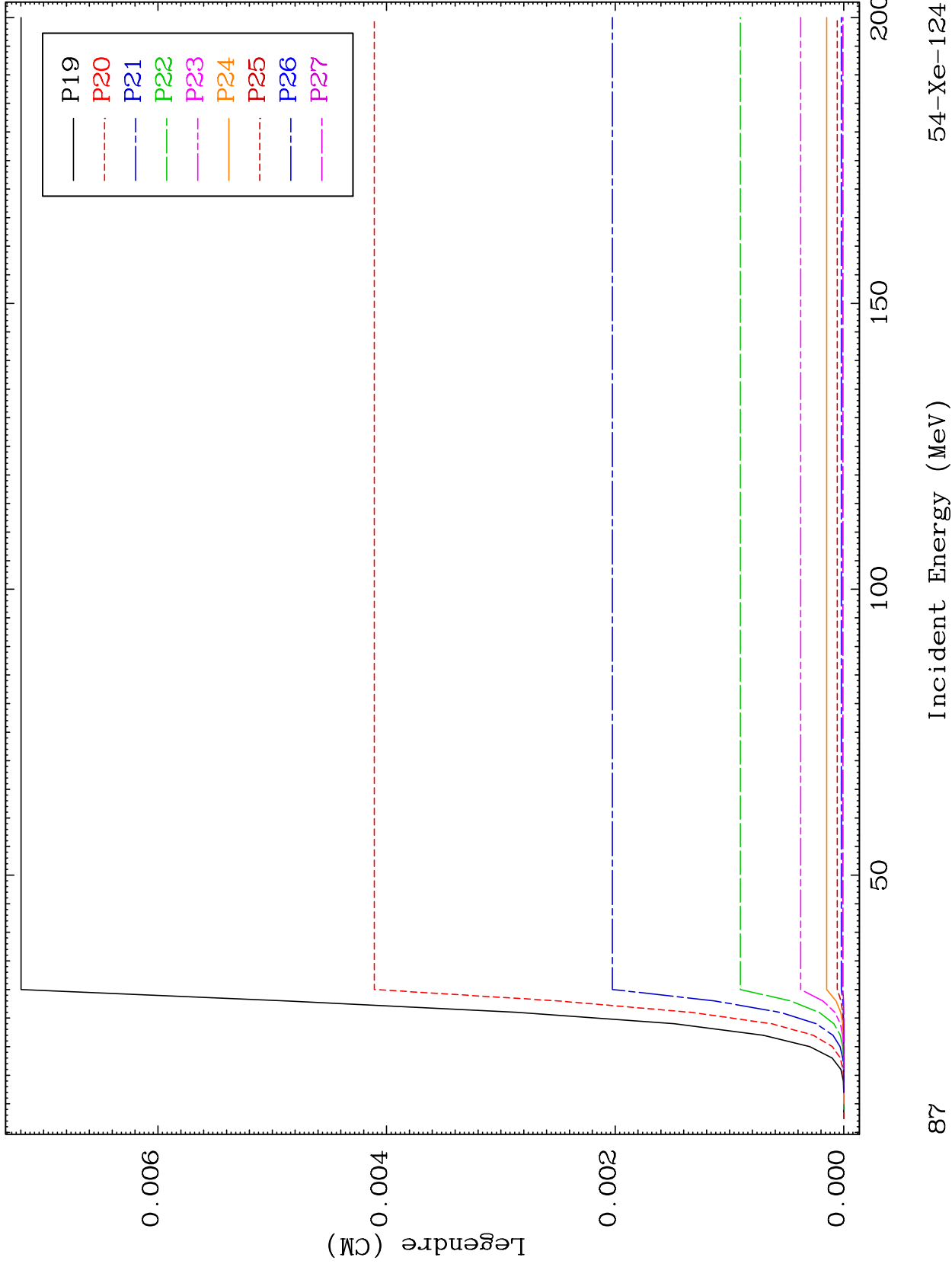
Incident Energy (MeV)

54-Xe-124

MAT 5425

2.205 MeV (n,n') Level  
Legendre Coefficients

54-Xe-124



87

Incident Energy (MeV)

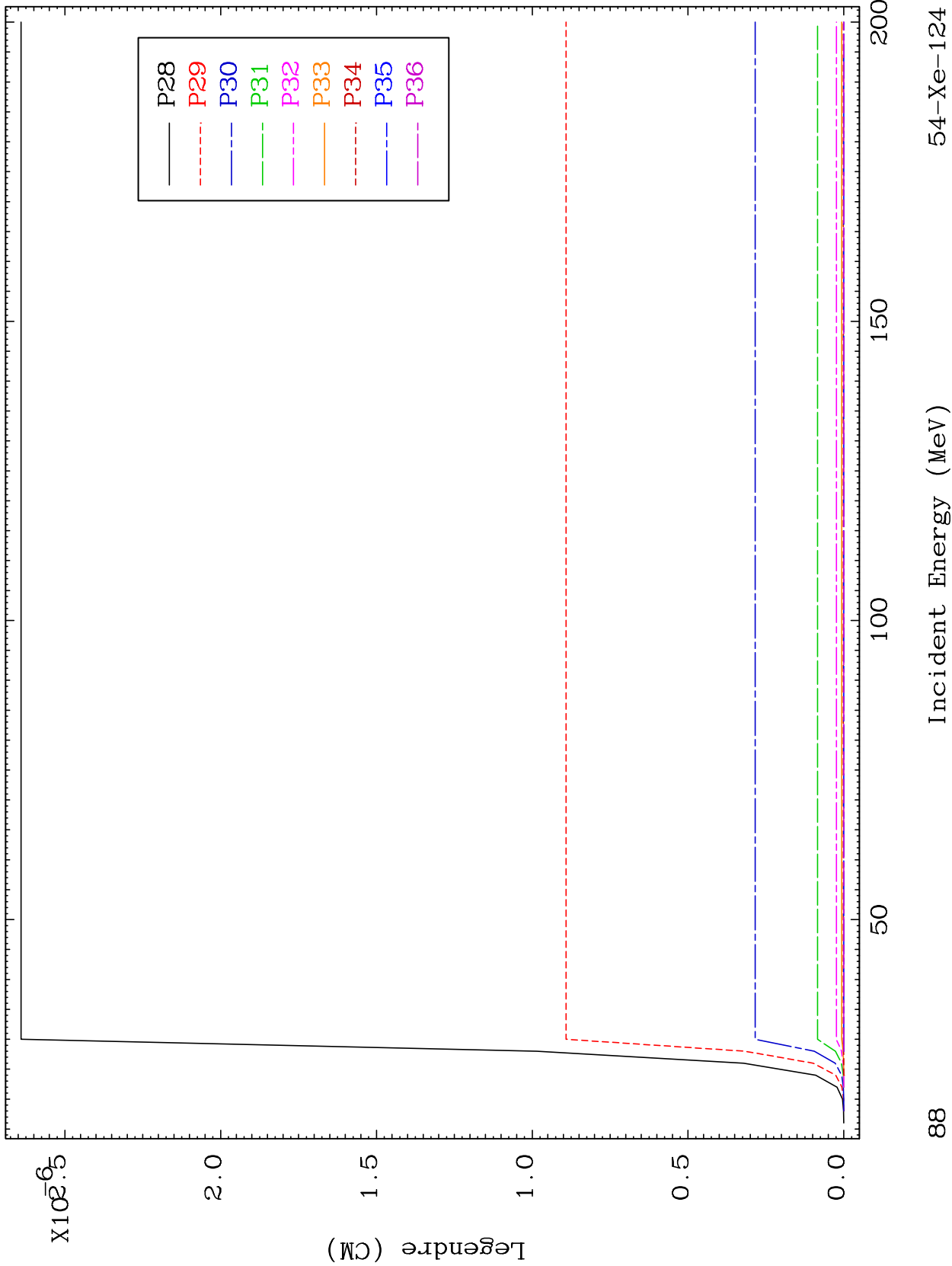
54-Xe-124



MAT 5425

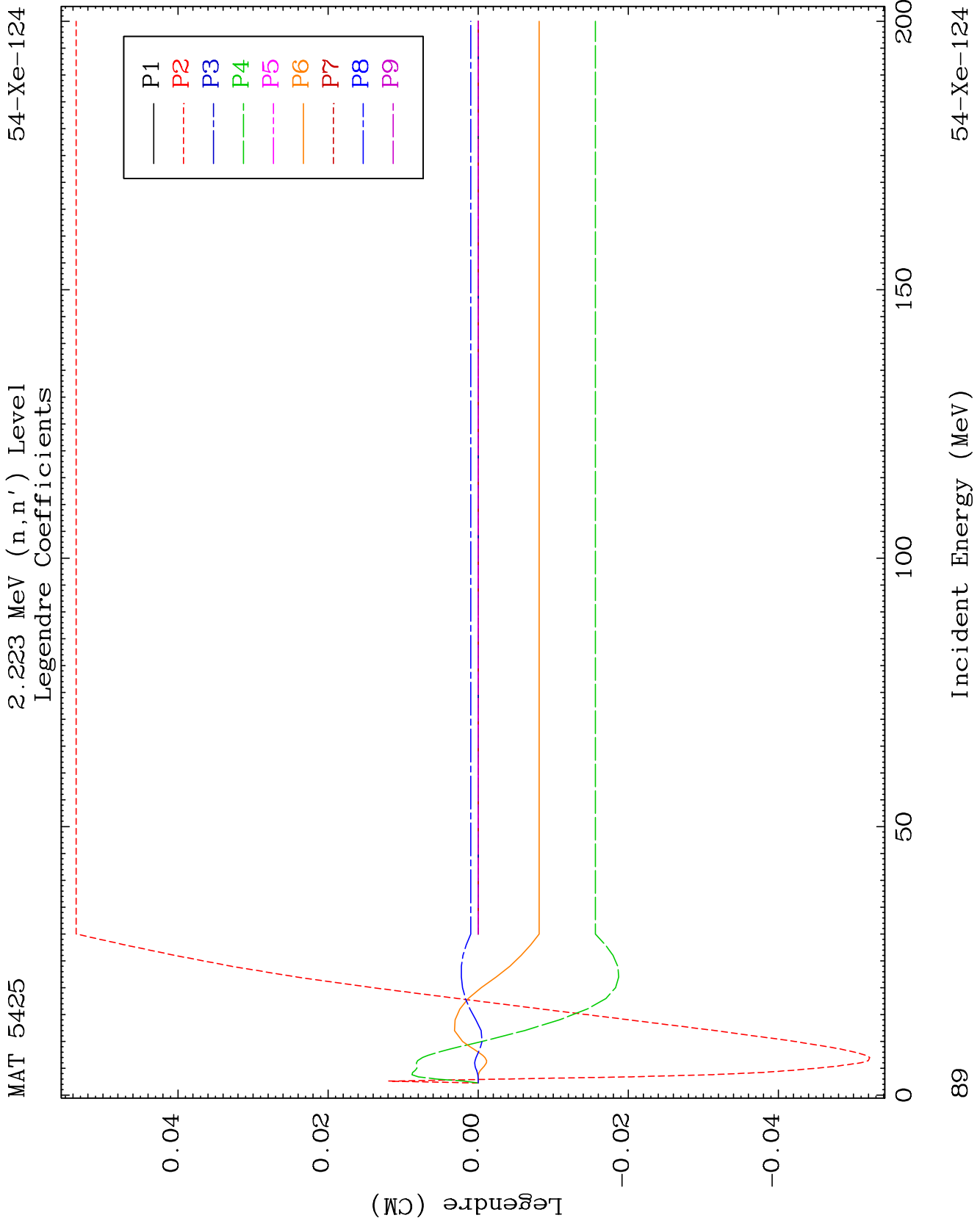
2.205 MeV (n, n') Level  
Legendre Coefficients

54-Xe-124



88

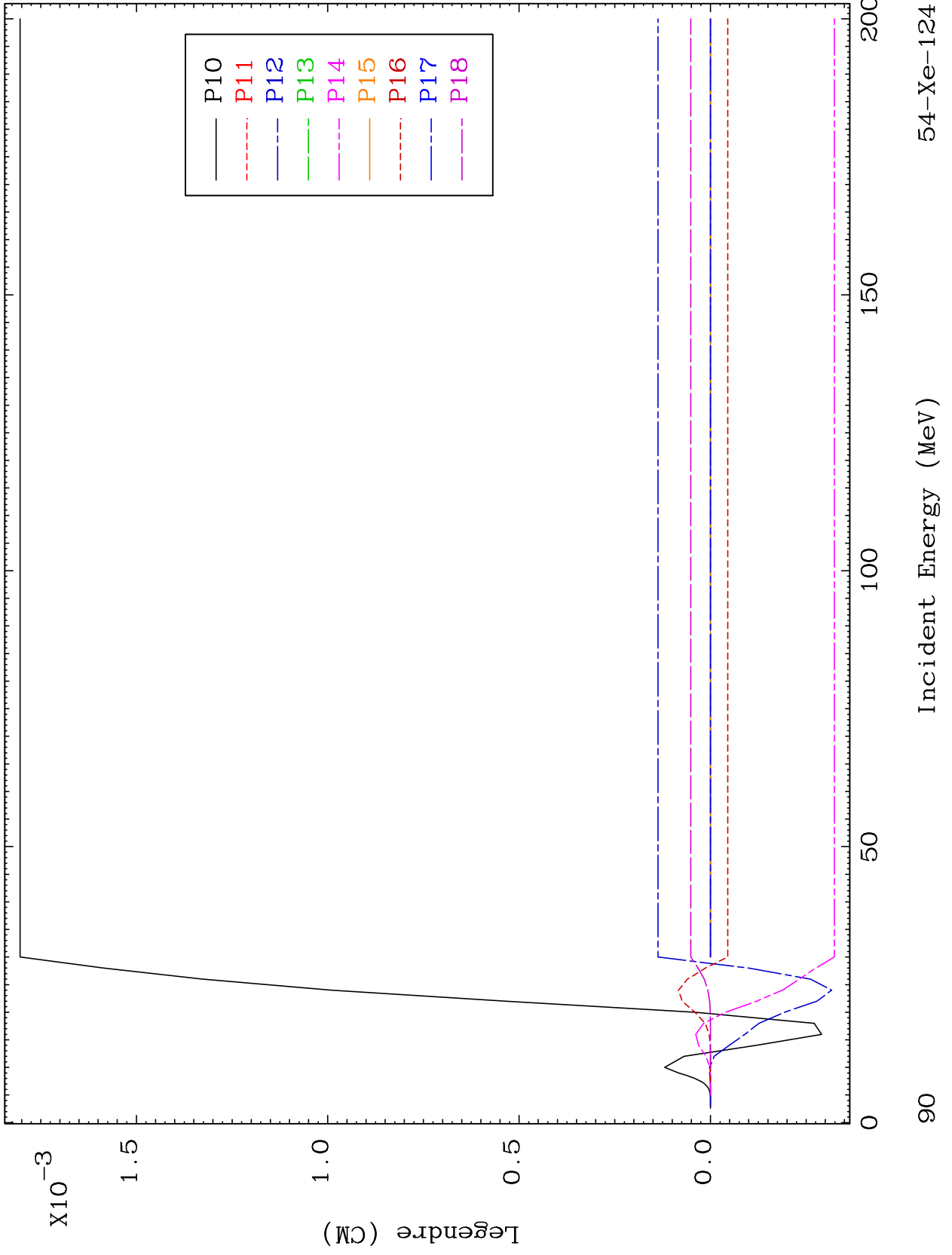
54-Xe-124

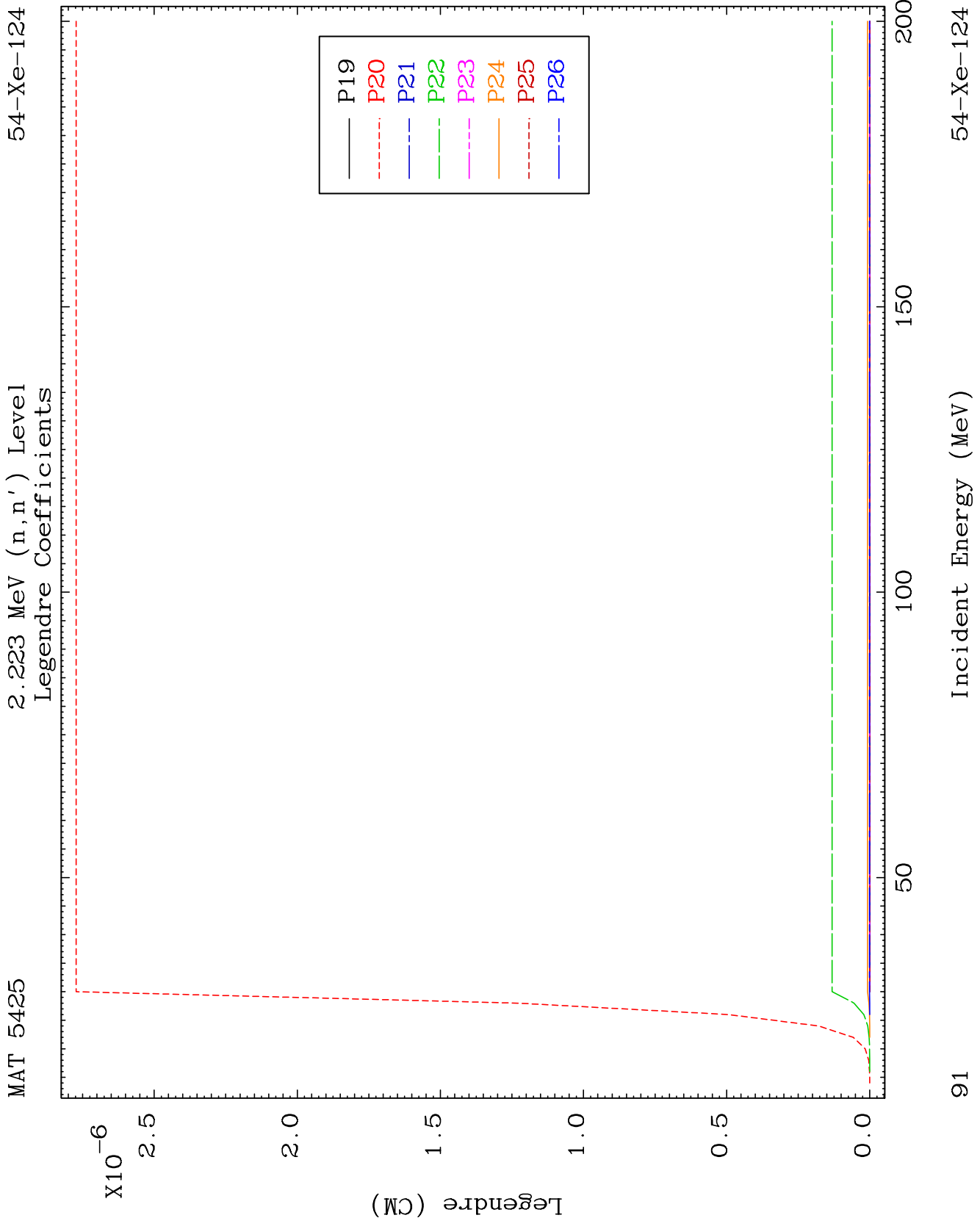


MAT 5425

2.223 MeV (n, n') Level  
Legendre Coefficients

54-Xe-124



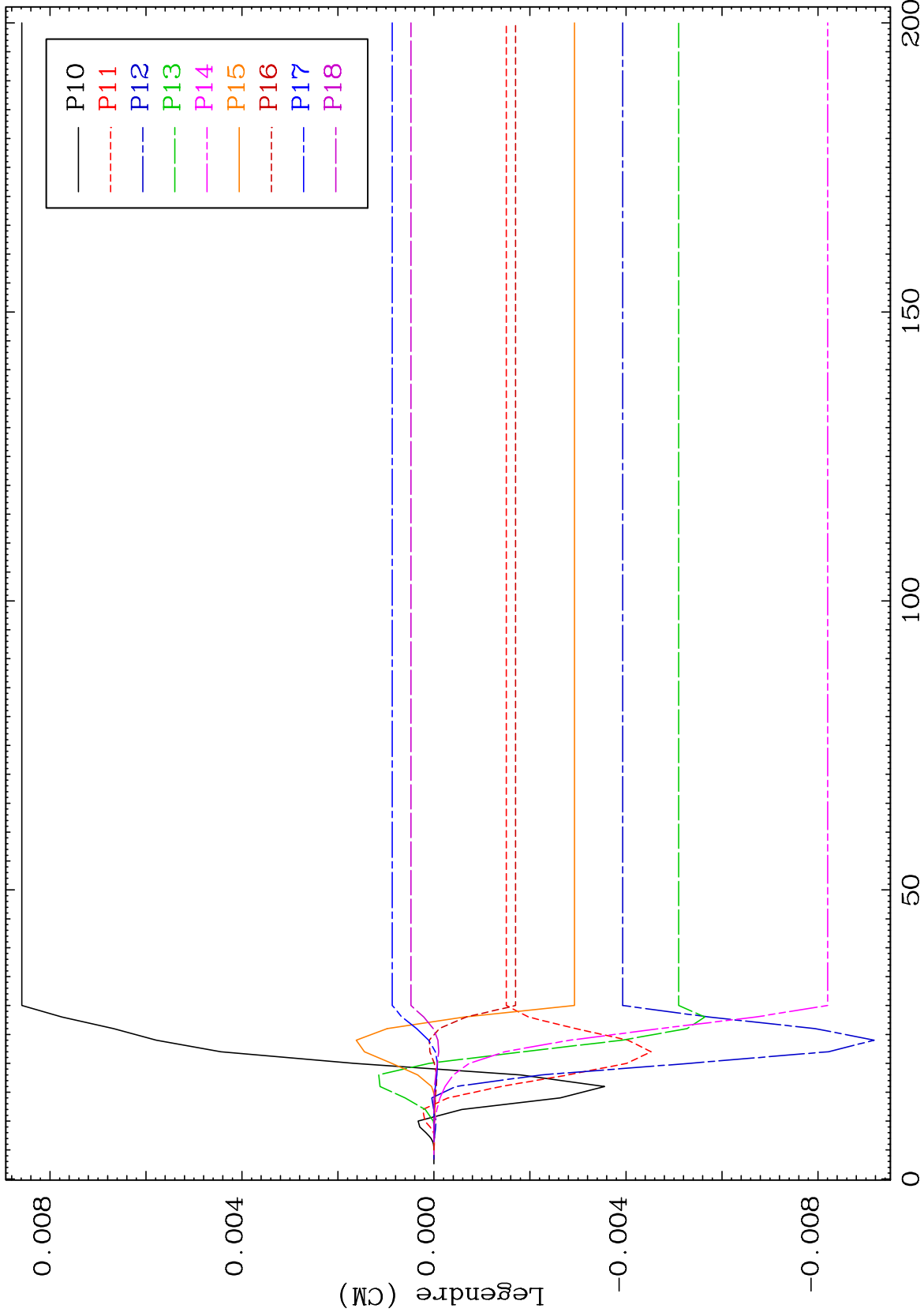




MAT 5425

2.226 MeV (n,n') Level  
Legendre Coefficients

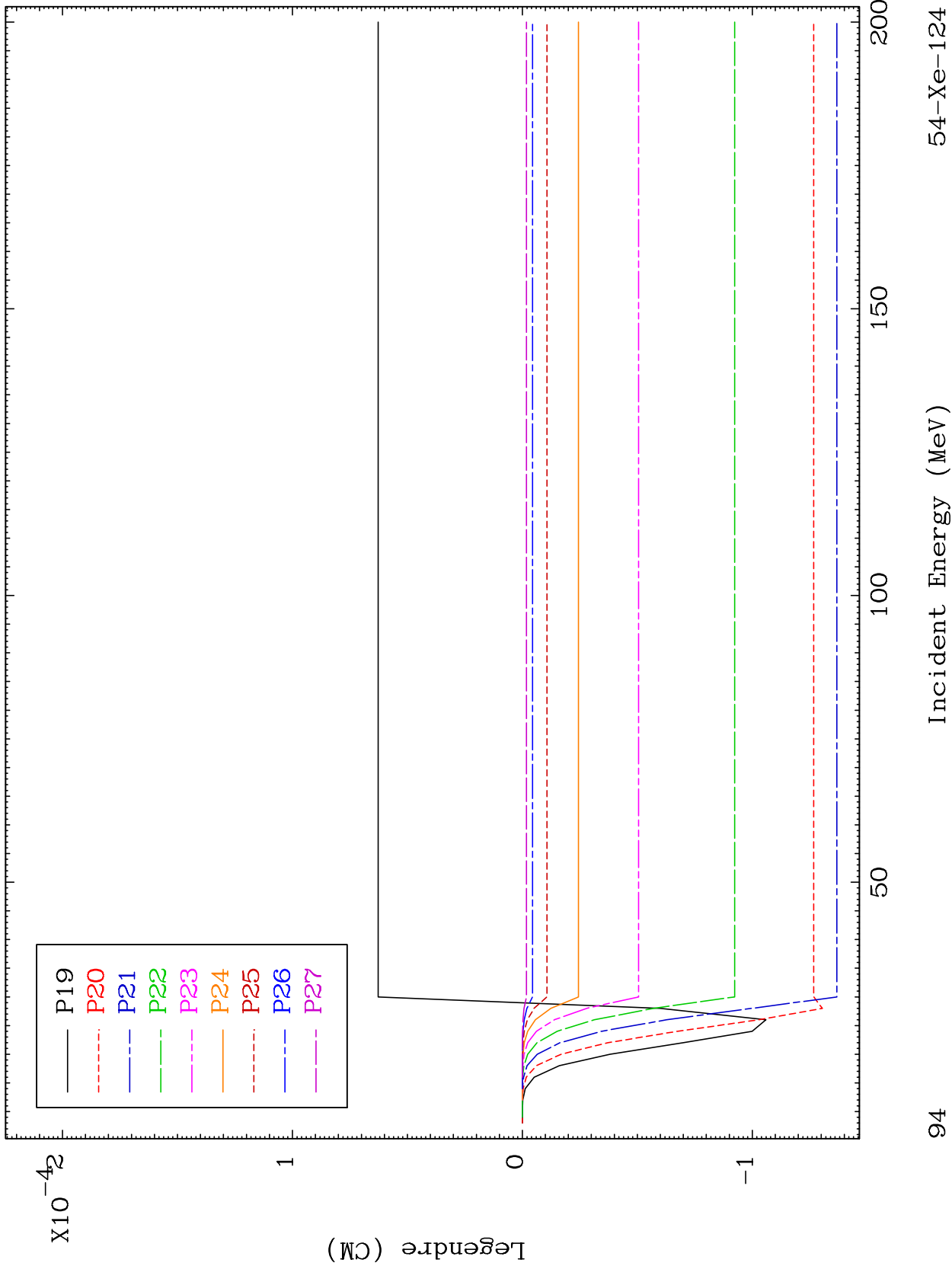
54-Xe-124

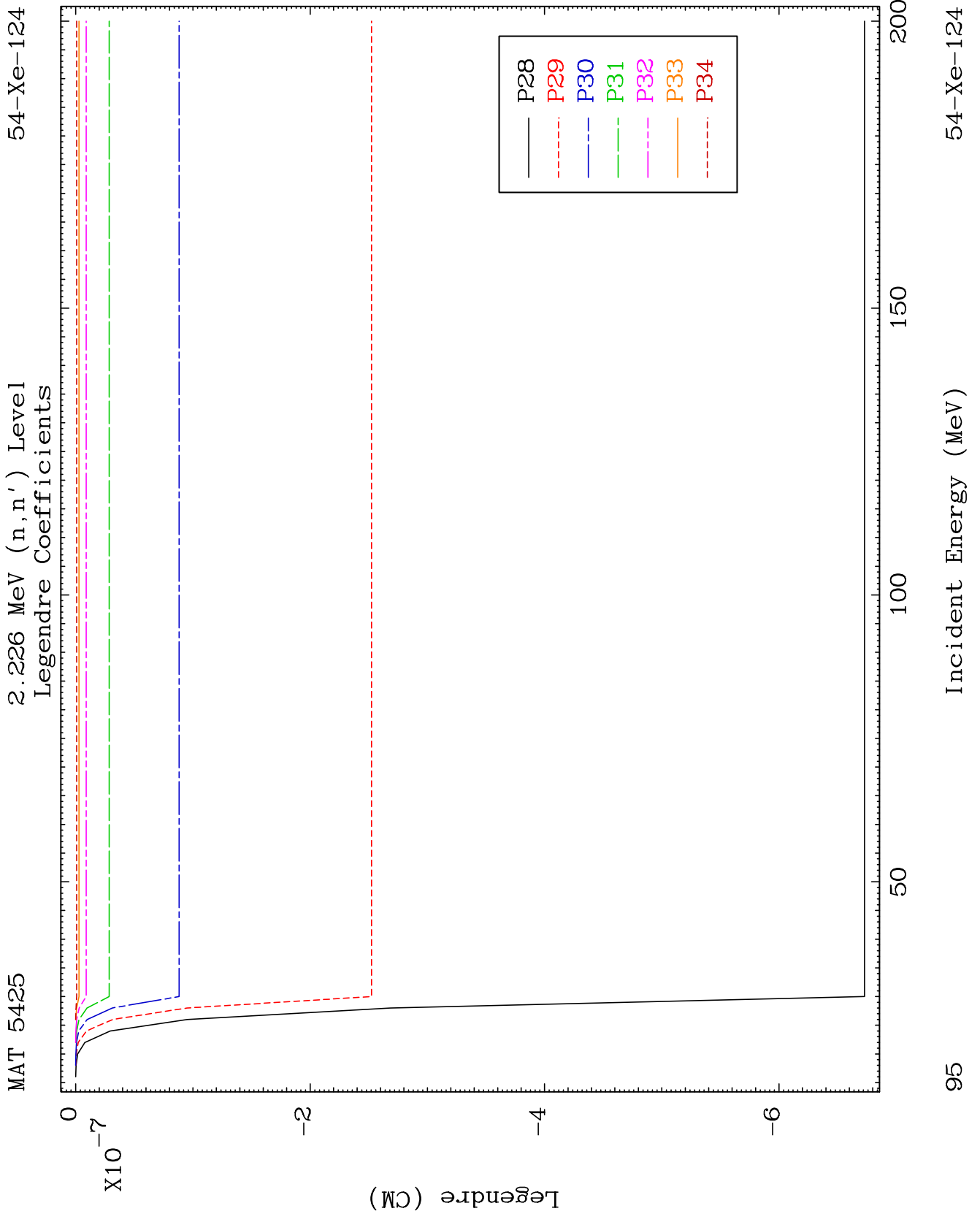


93

Incident Energy (MeV)

54-Xe-124



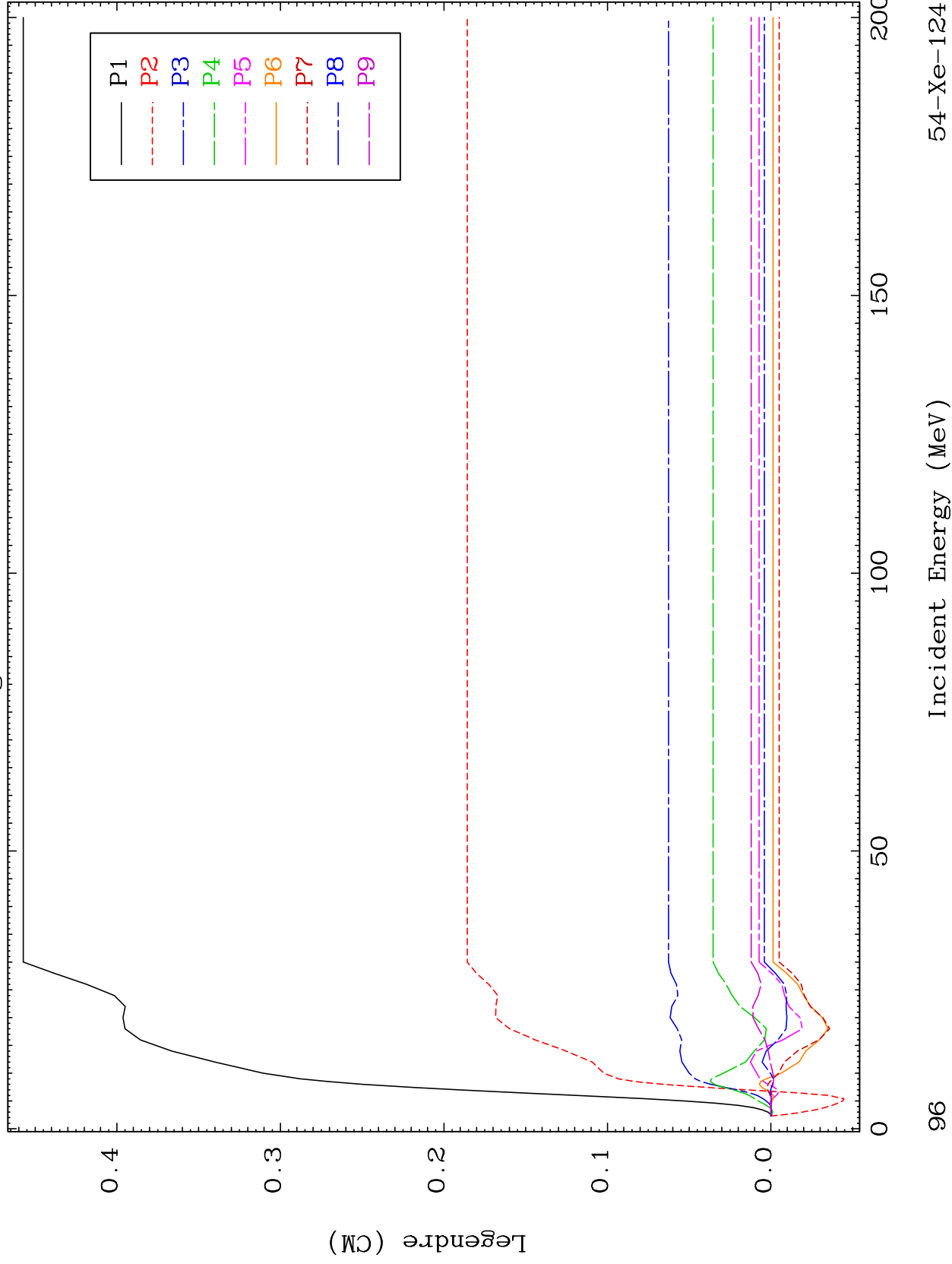




MAT 5425

2.279 MeV (n,n') Level  
Legendre Coefficients

54-Xe-124



54-Xe-124

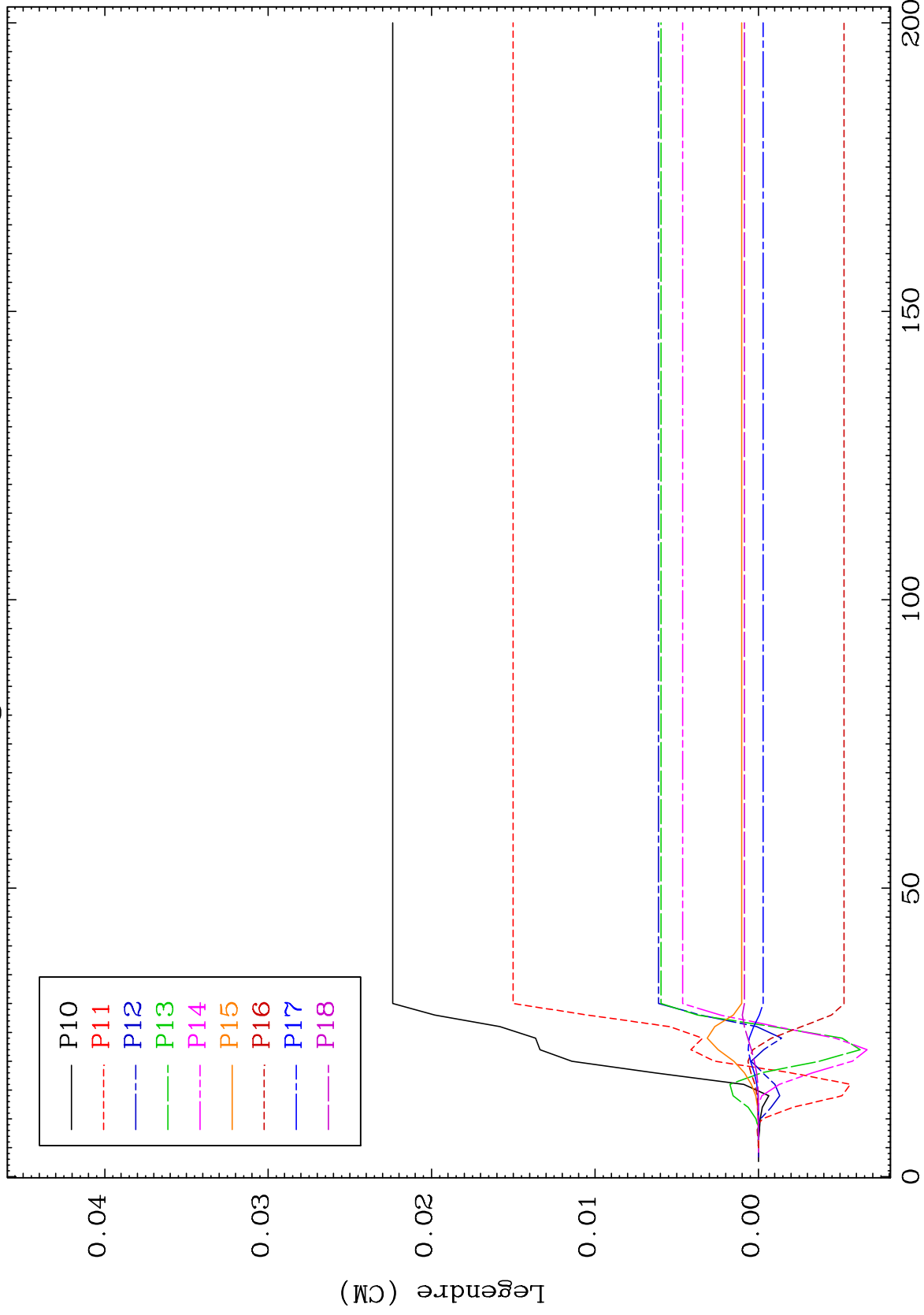
Incident Energy (MeV)

96

MAT 5425

2.279 MeV (n,n') Level  
Legendre Coefficients

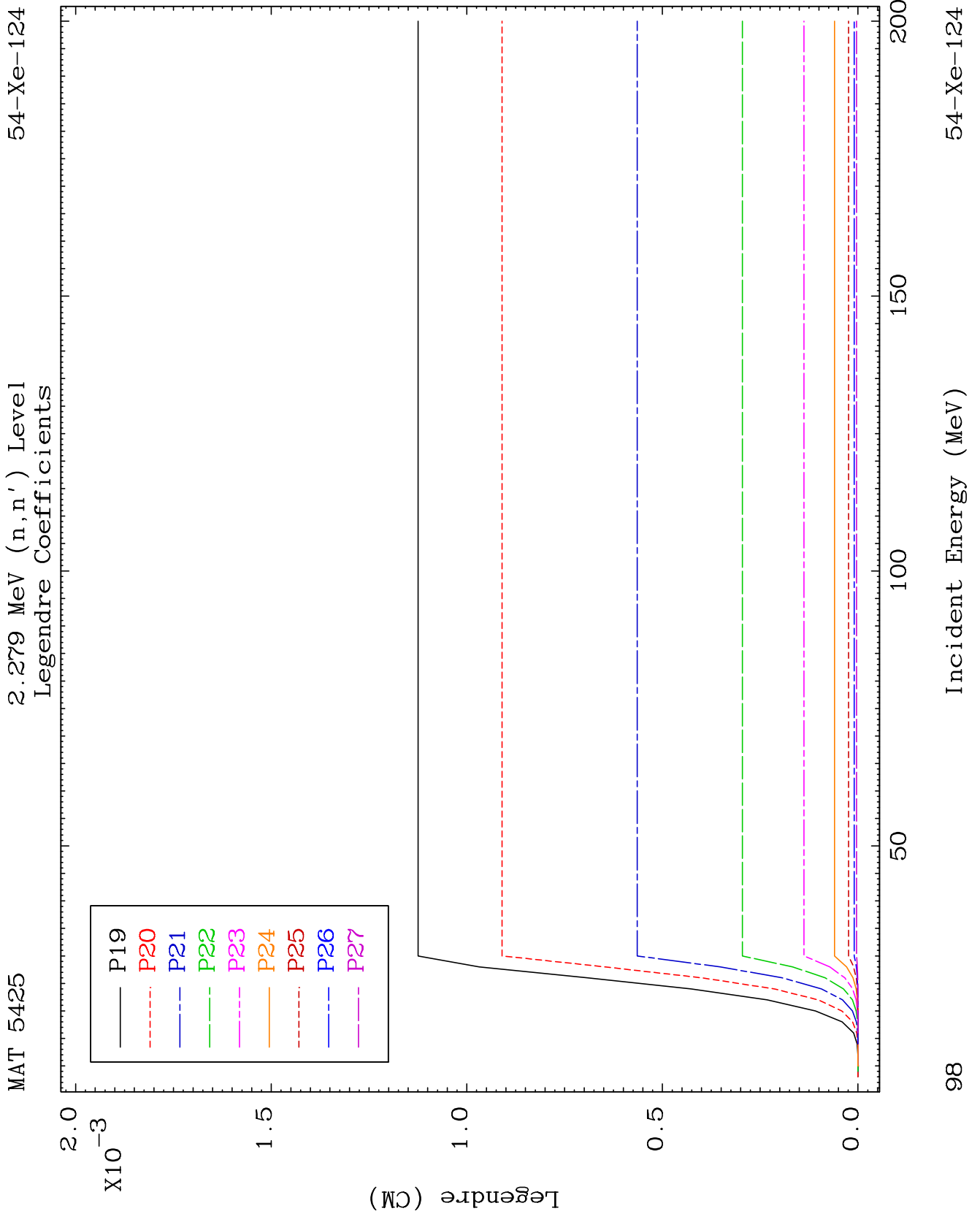
54-Xe-124



97

Incident Energy (MeV)

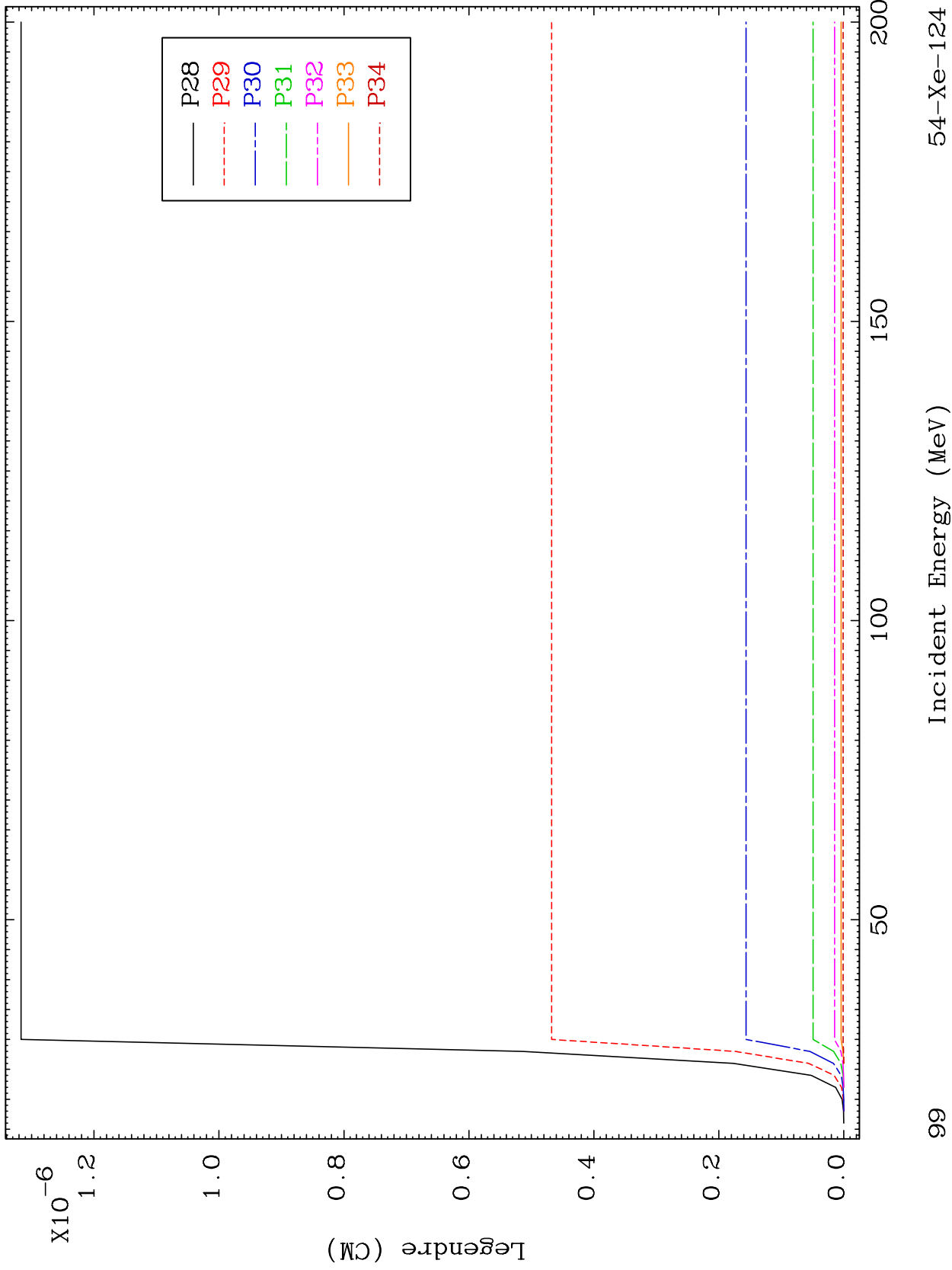
54-Xe-124



MAT 5425

2.279 MeV (n, n') Level  
Legendre Coefficients

54-Xe-124



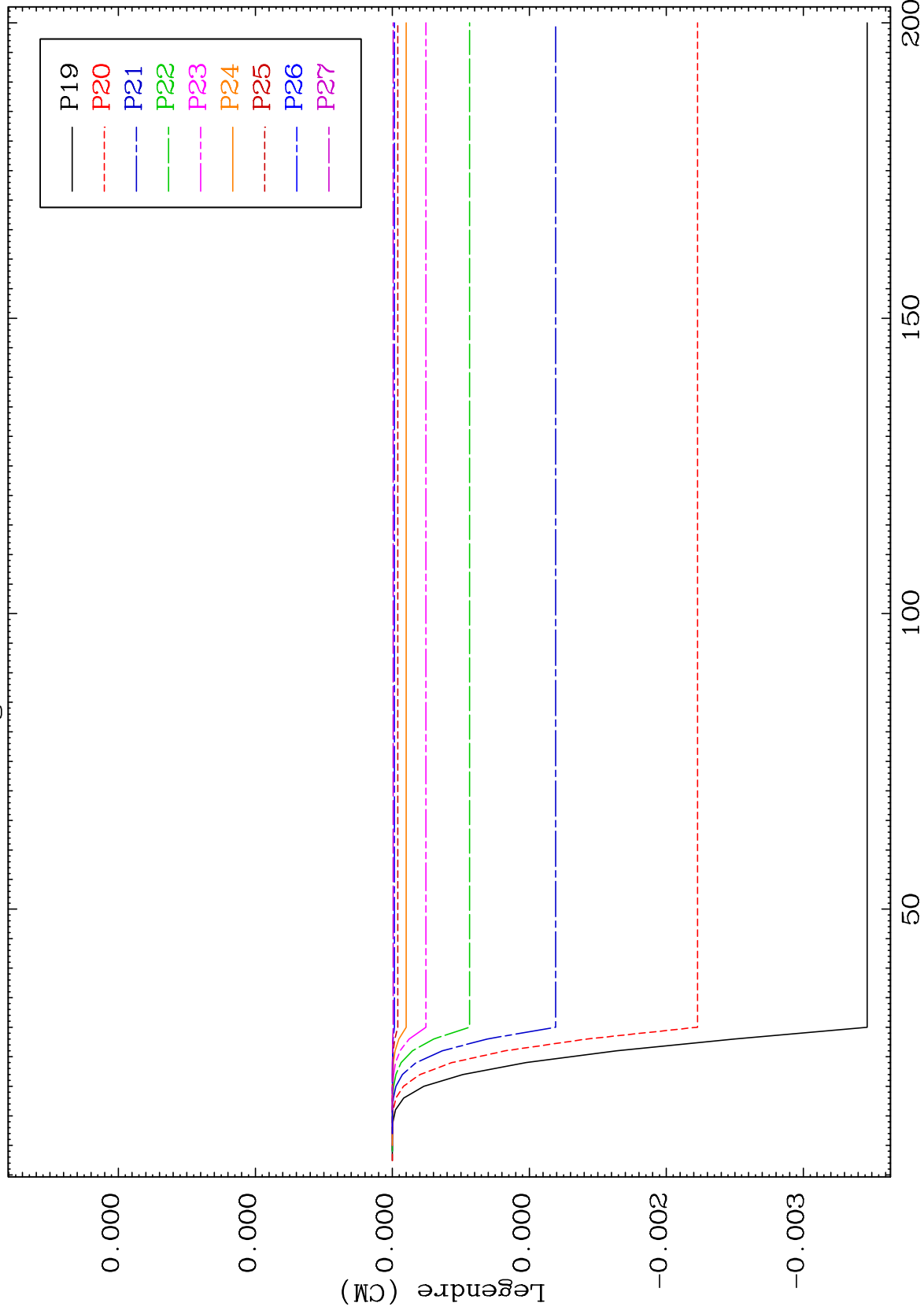




MAT 5425

2.281 MeV (n,n') Level  
Legendre Coefficients

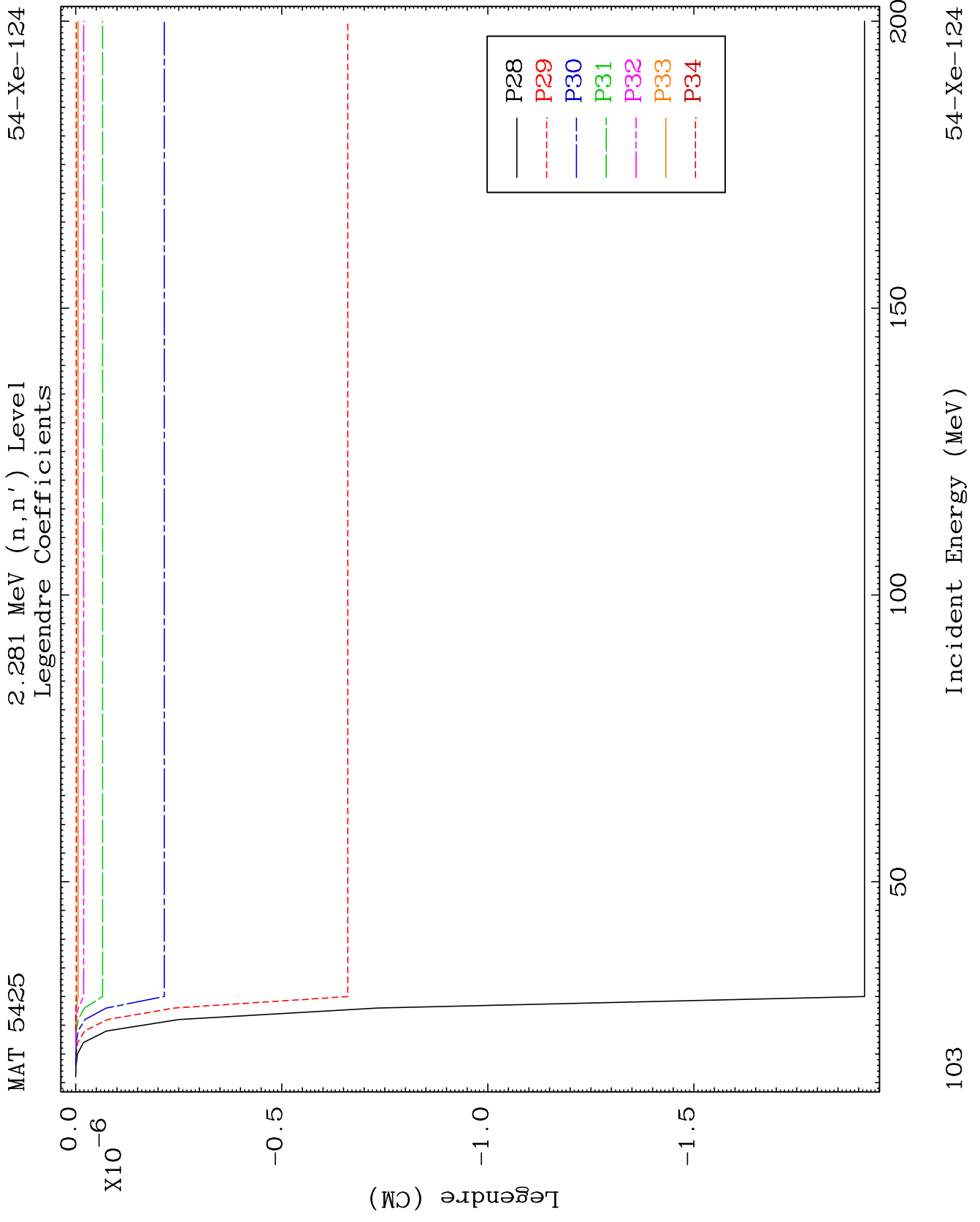
54-Xe-124



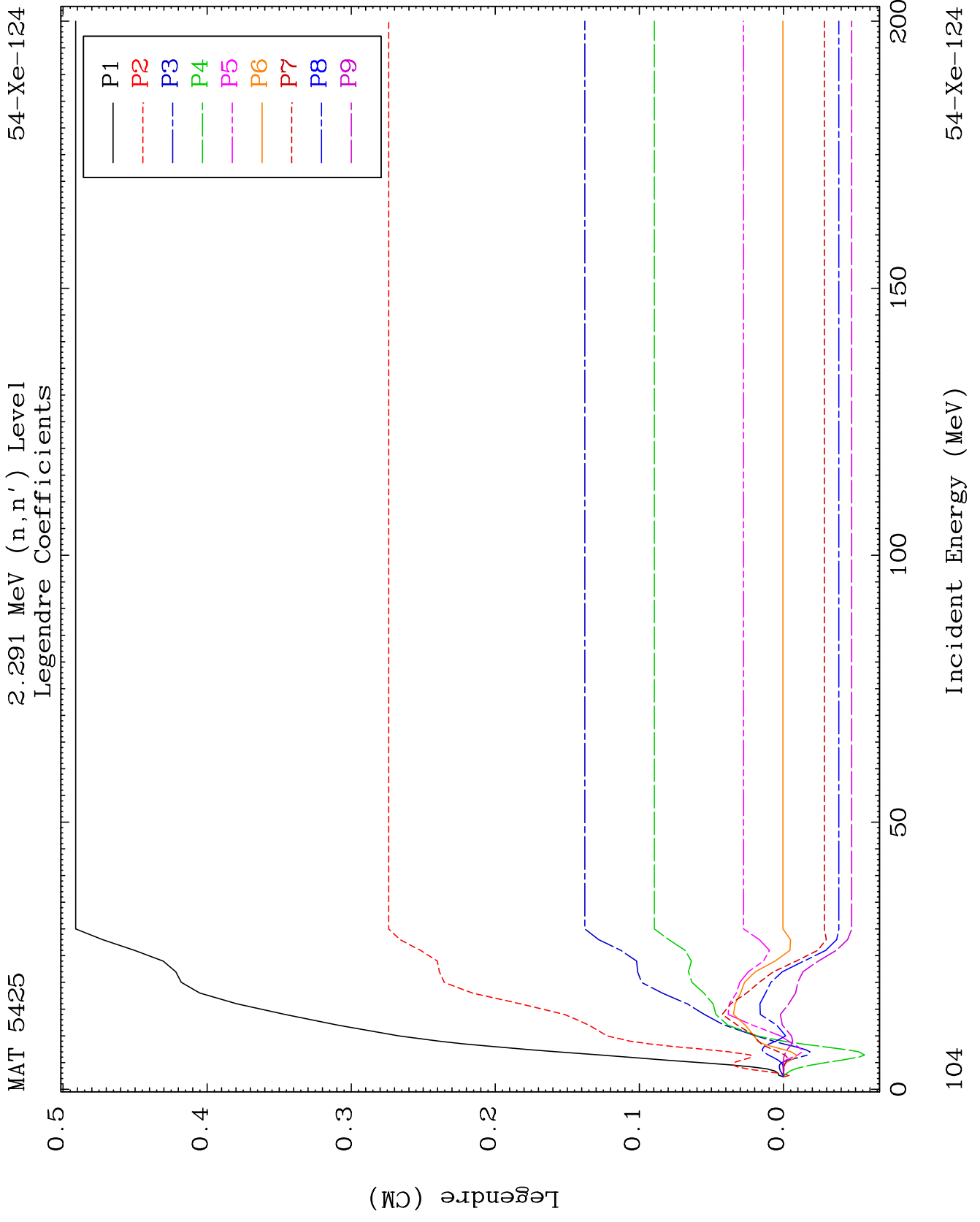
102

Incident Energy (MeV)

54-Xe-124



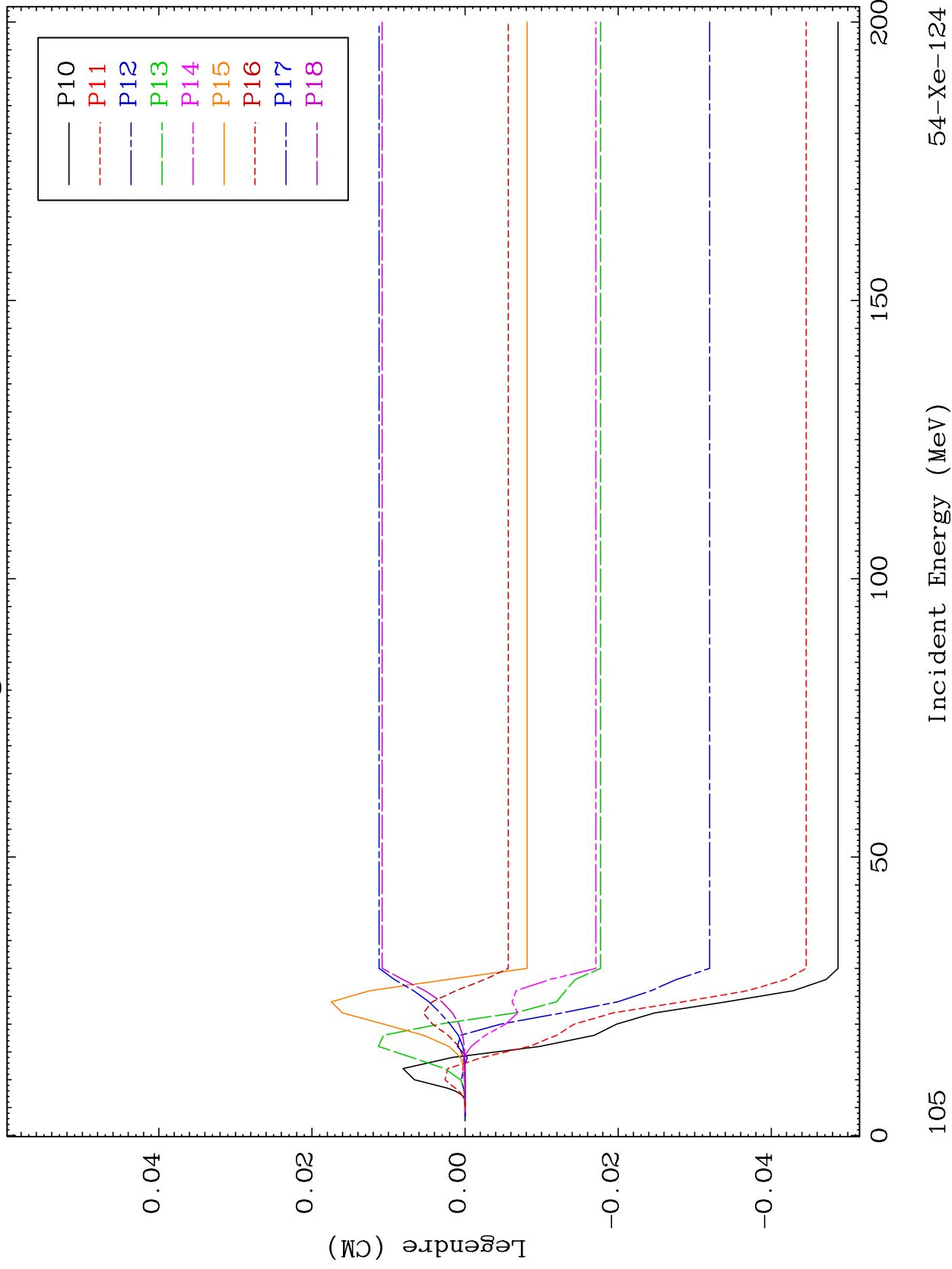




MAT 5425

2.291 MeV (n,n') Level  
Legendre Coefficients

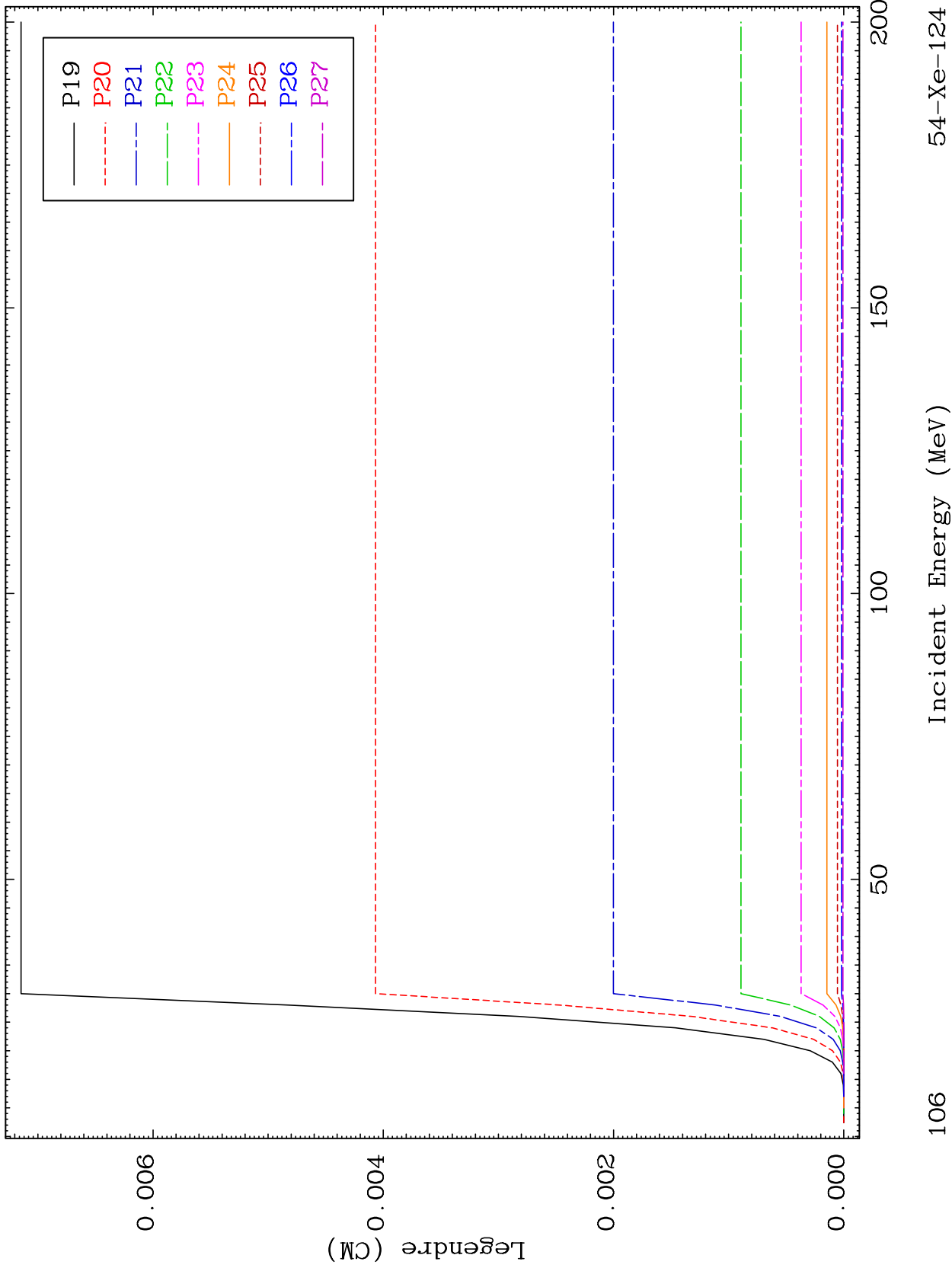
54-Xe-124



MAT 5425

2.291 MeV (n,n') Level  
Legendre Coefficients

54-Xe-124



106

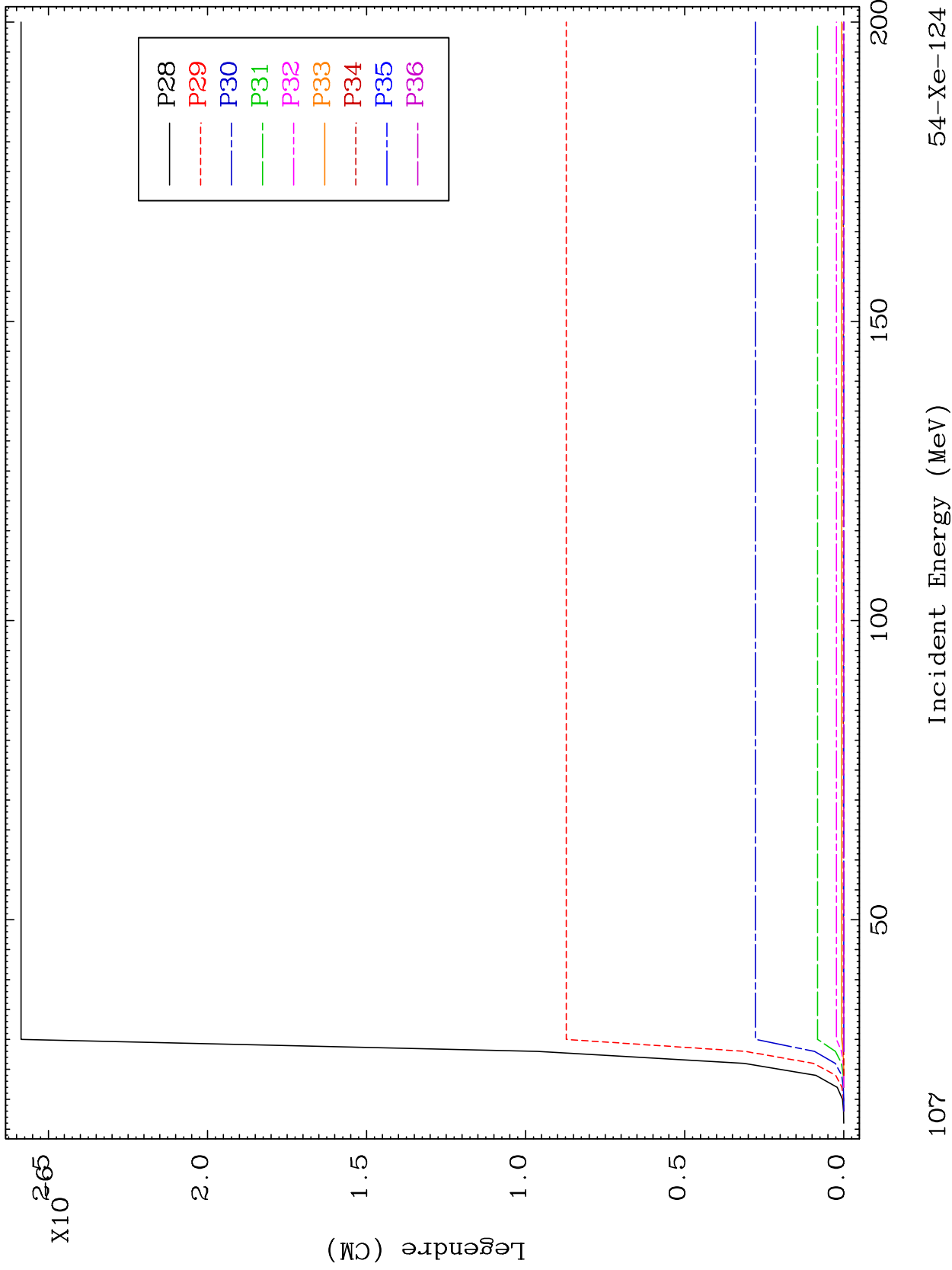
Incident Energy (MeV)

54-Xe-124

MAT 5425

2.291 MeV (n,n') Level  
Legendre Coefficients

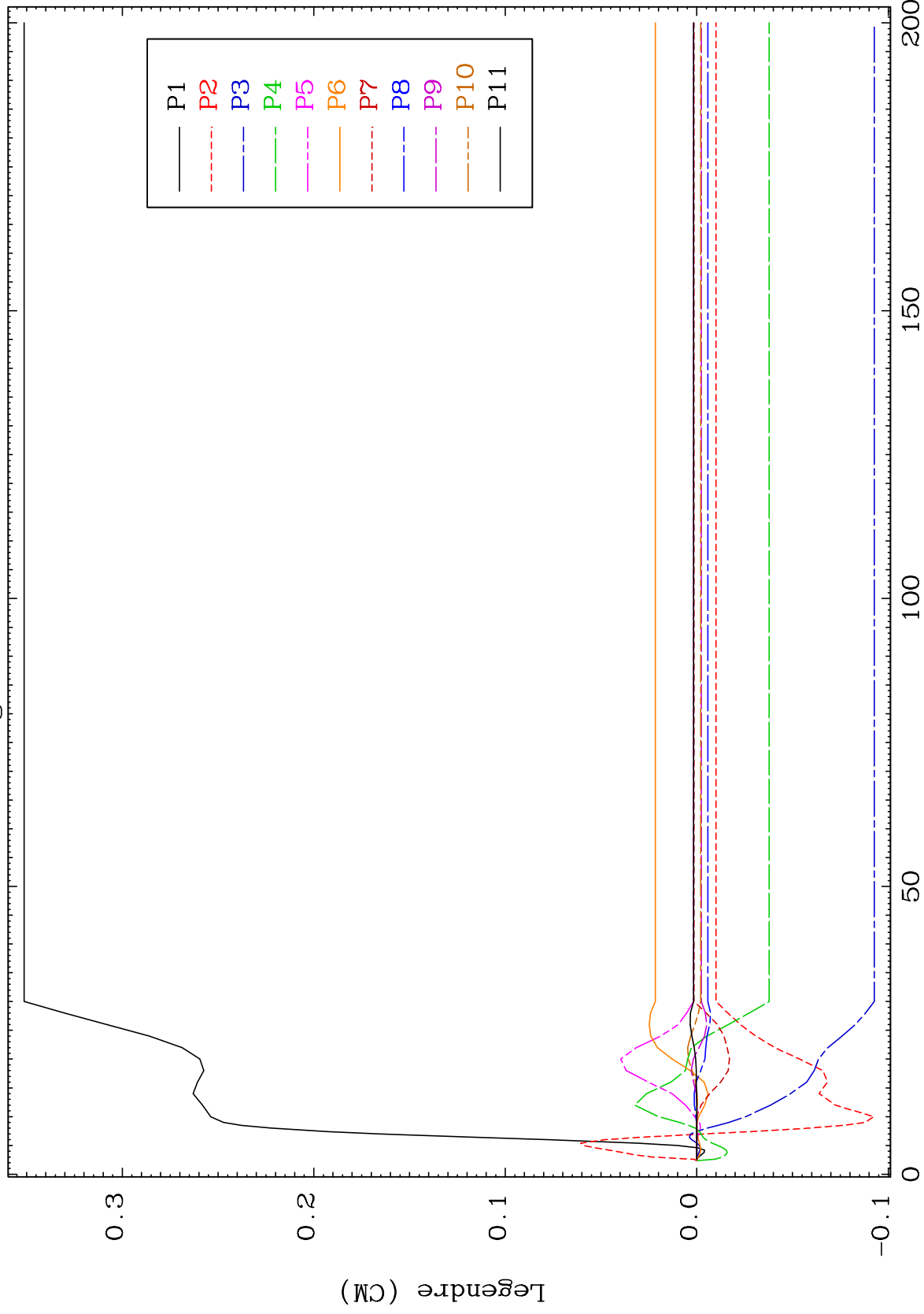
54-Xe-124



MAT 5425

2.331 MeV (n,n') Level  
Legendre Coefficients

54-Xe-124



54-Xe-124

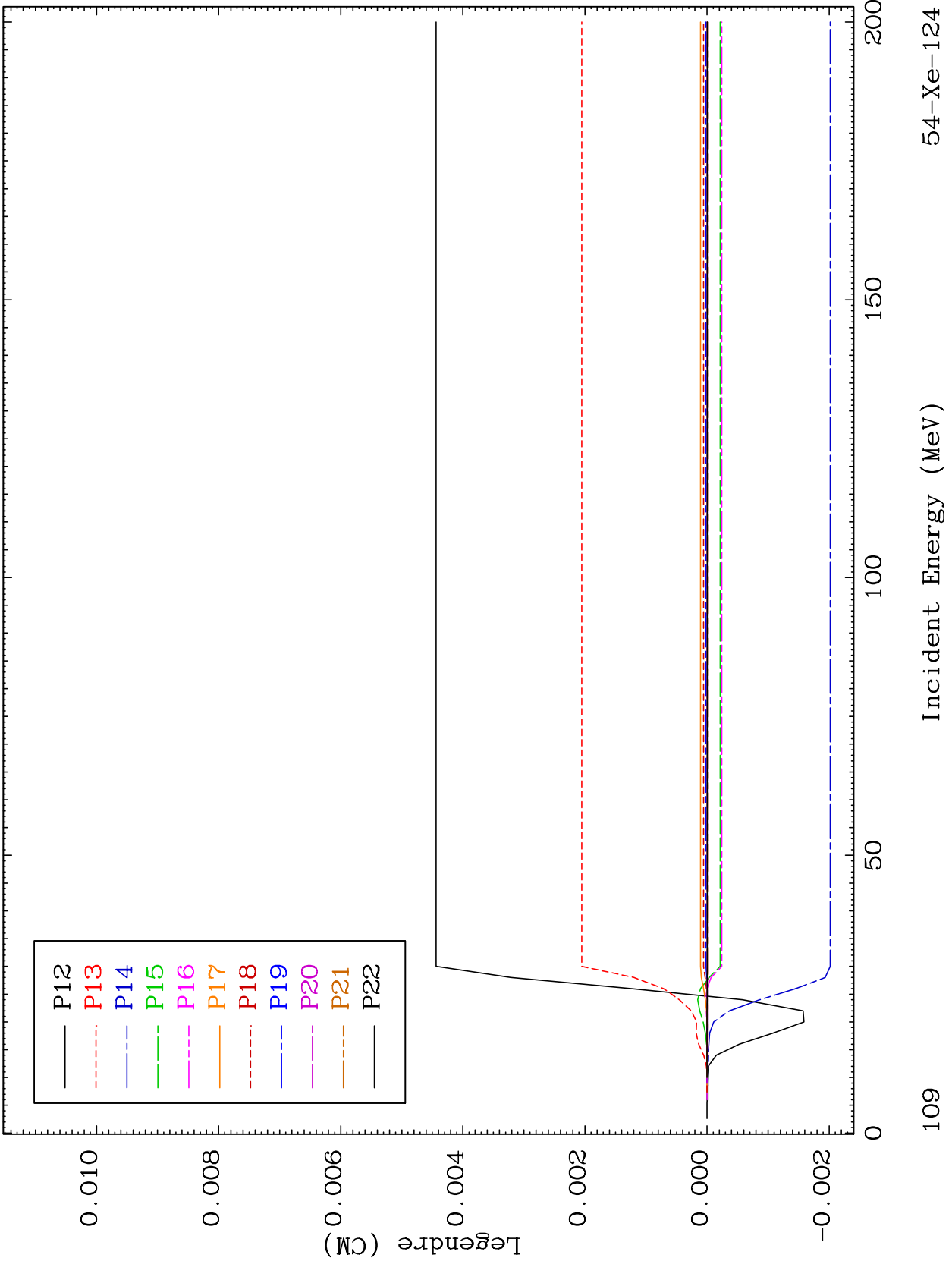
Incident Energy (MeV)

108

MAT 5425

2.331 MeV (n,n') Level  
Legendre Coefficients

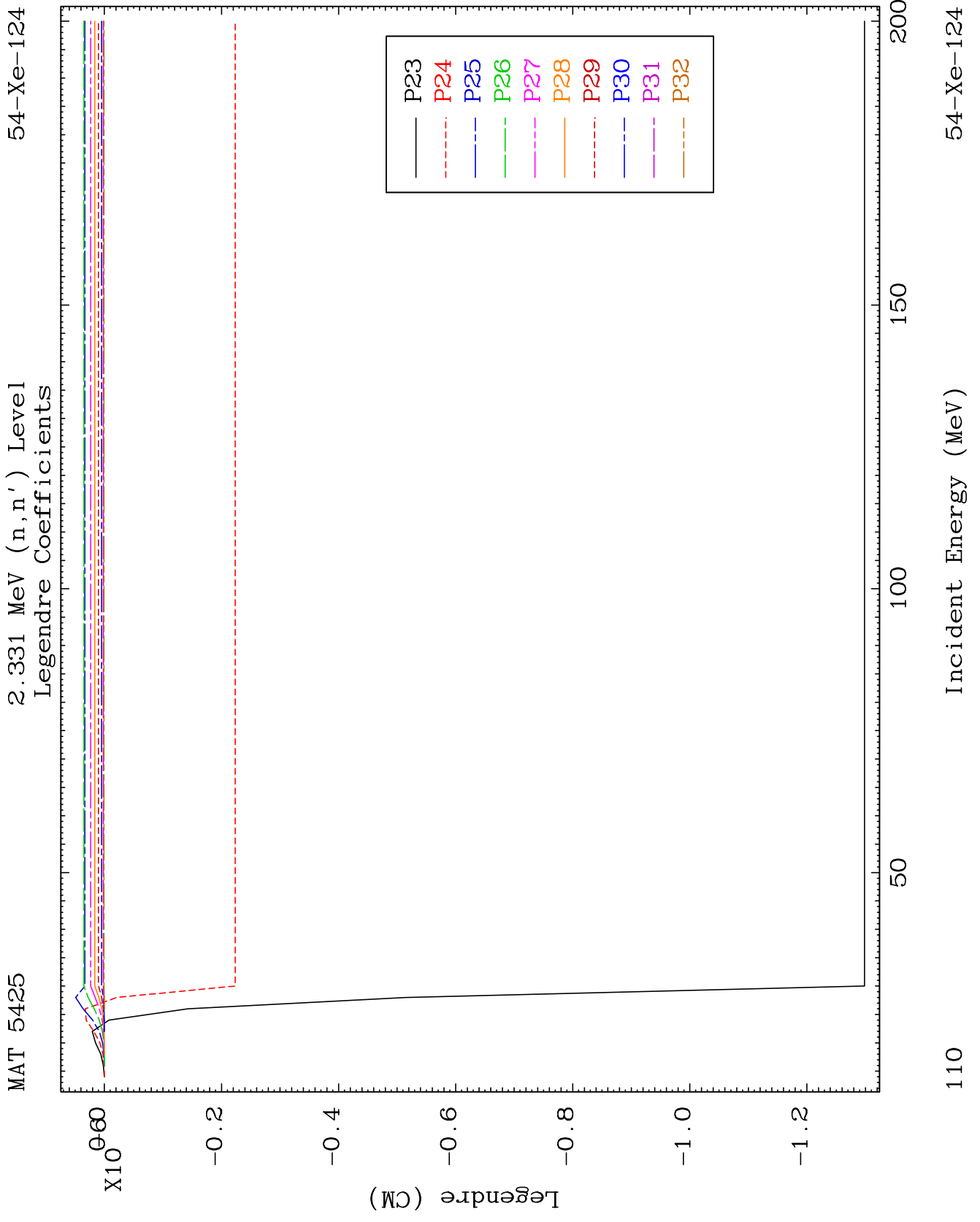
54-Xe-124

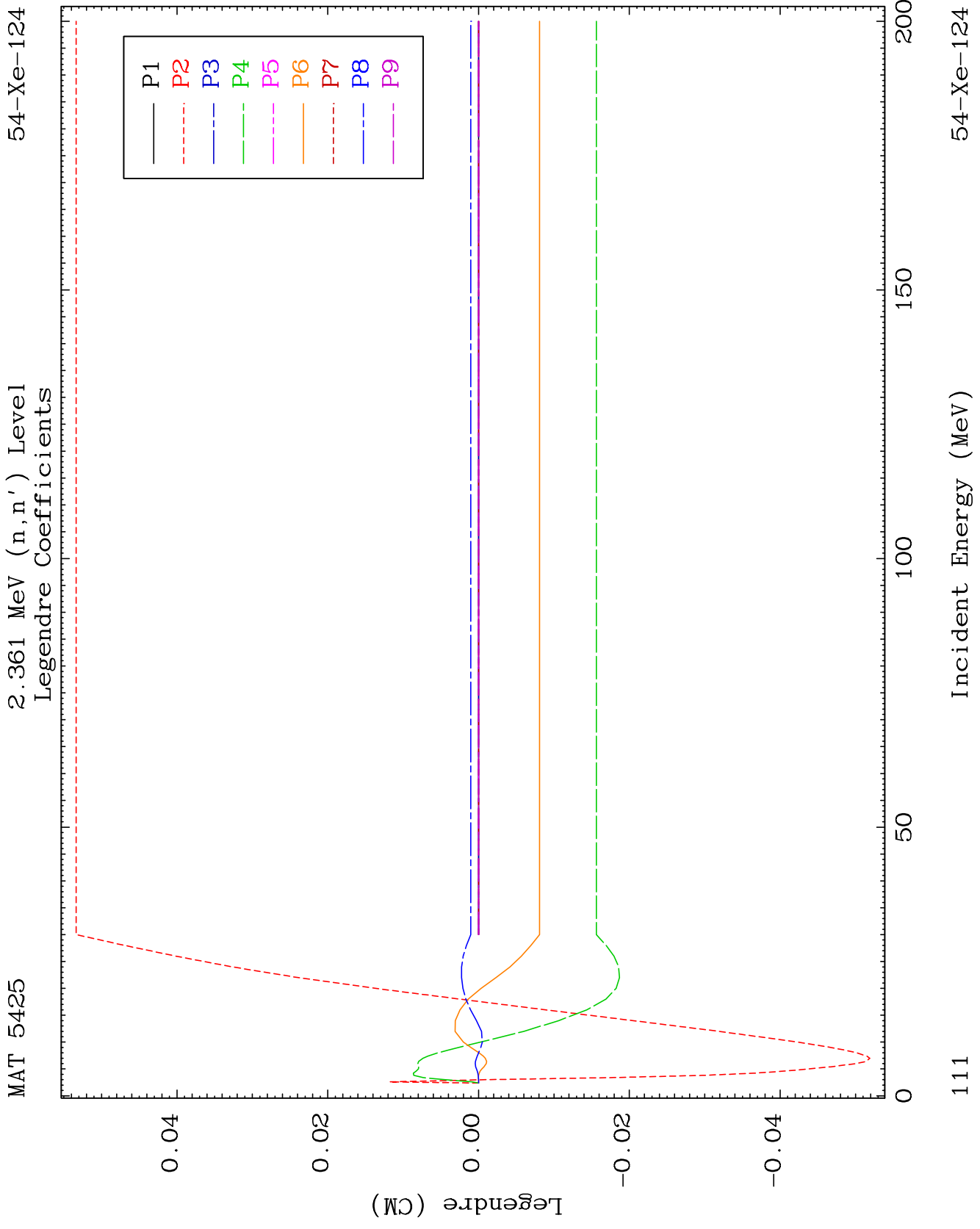


109

Incident Energy (MeV)

54-Xe-124



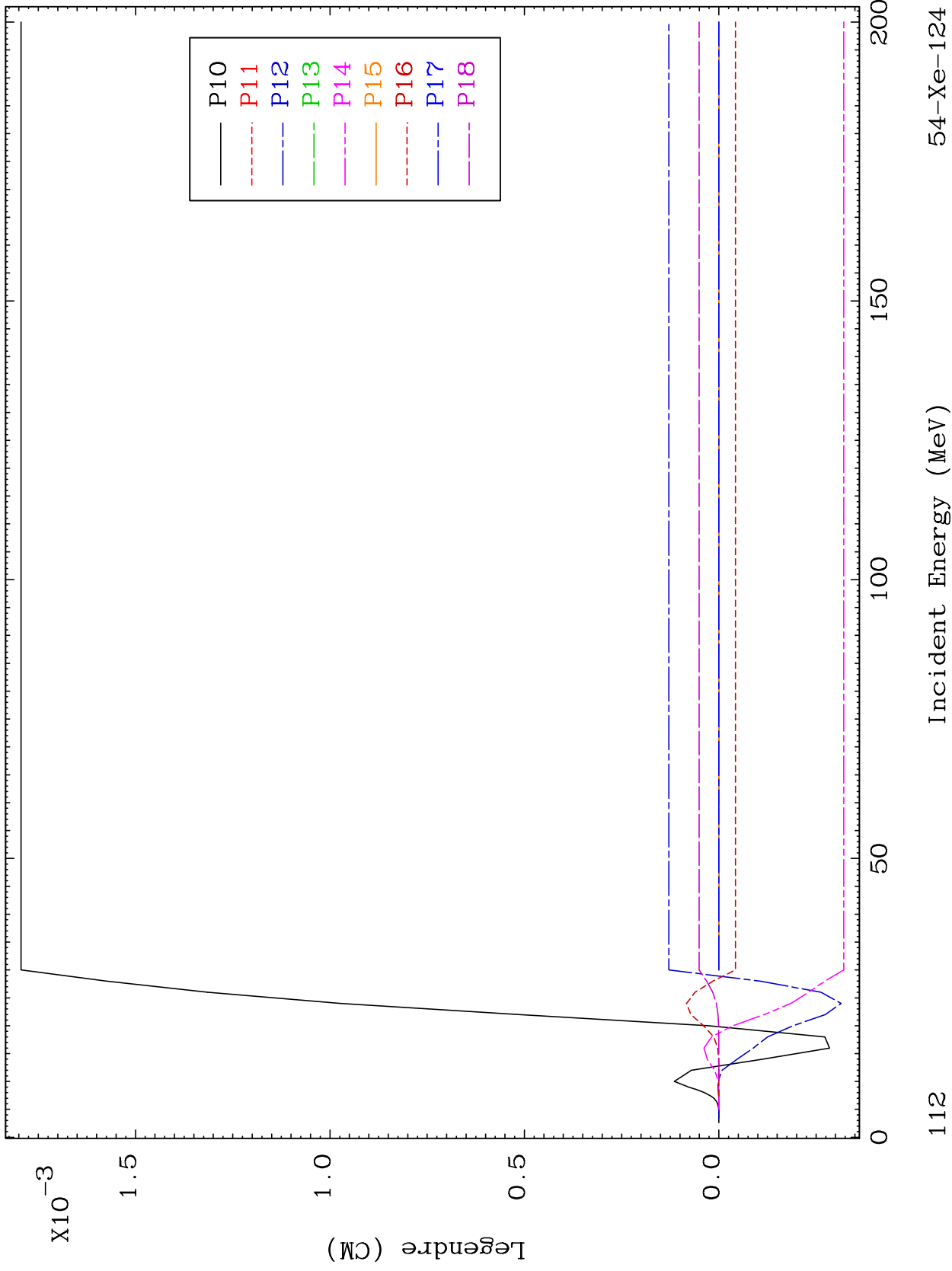




MAT 5425

2.361 MeV (n,n') Level  
Legendre Coefficients

54-Xe-124

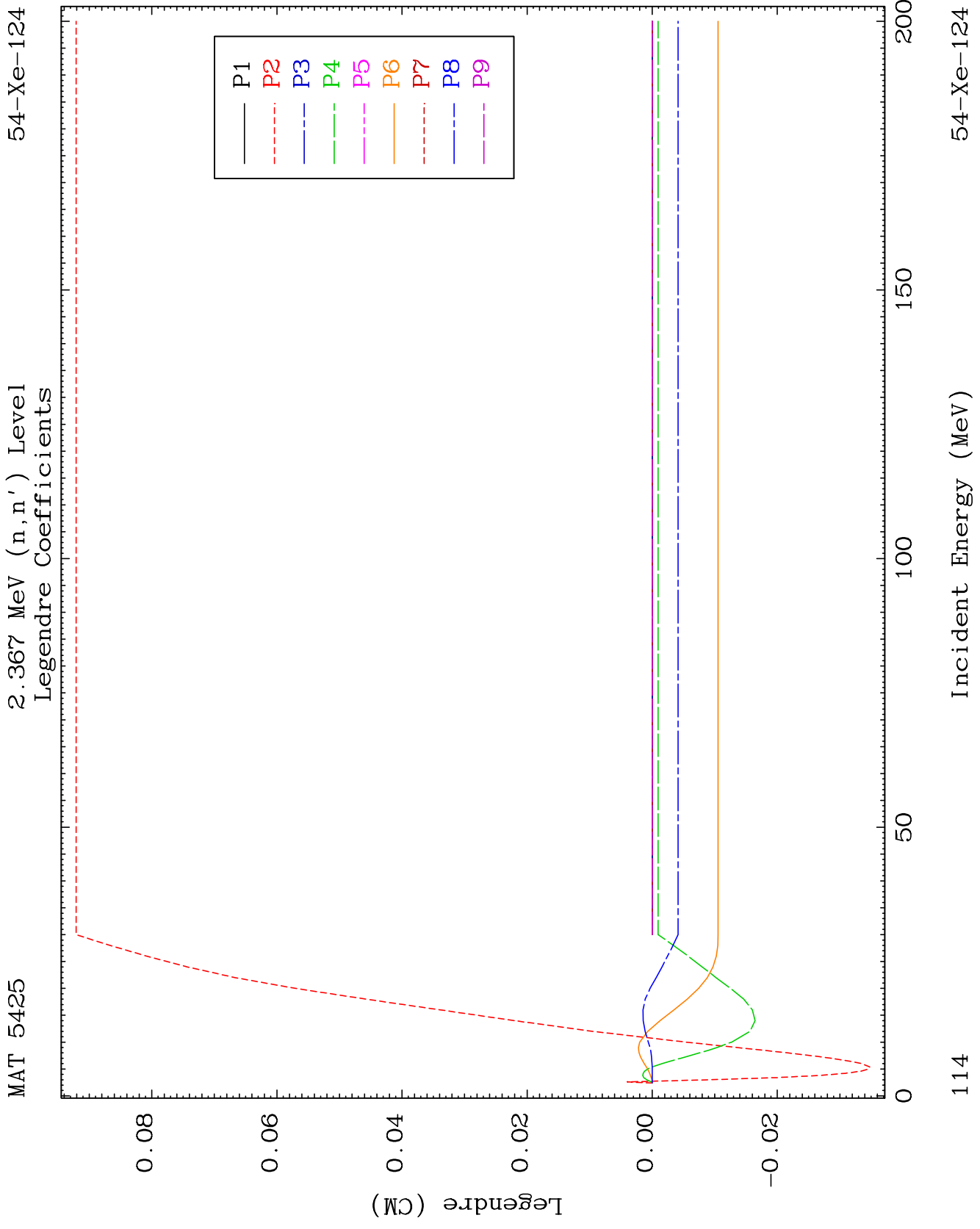


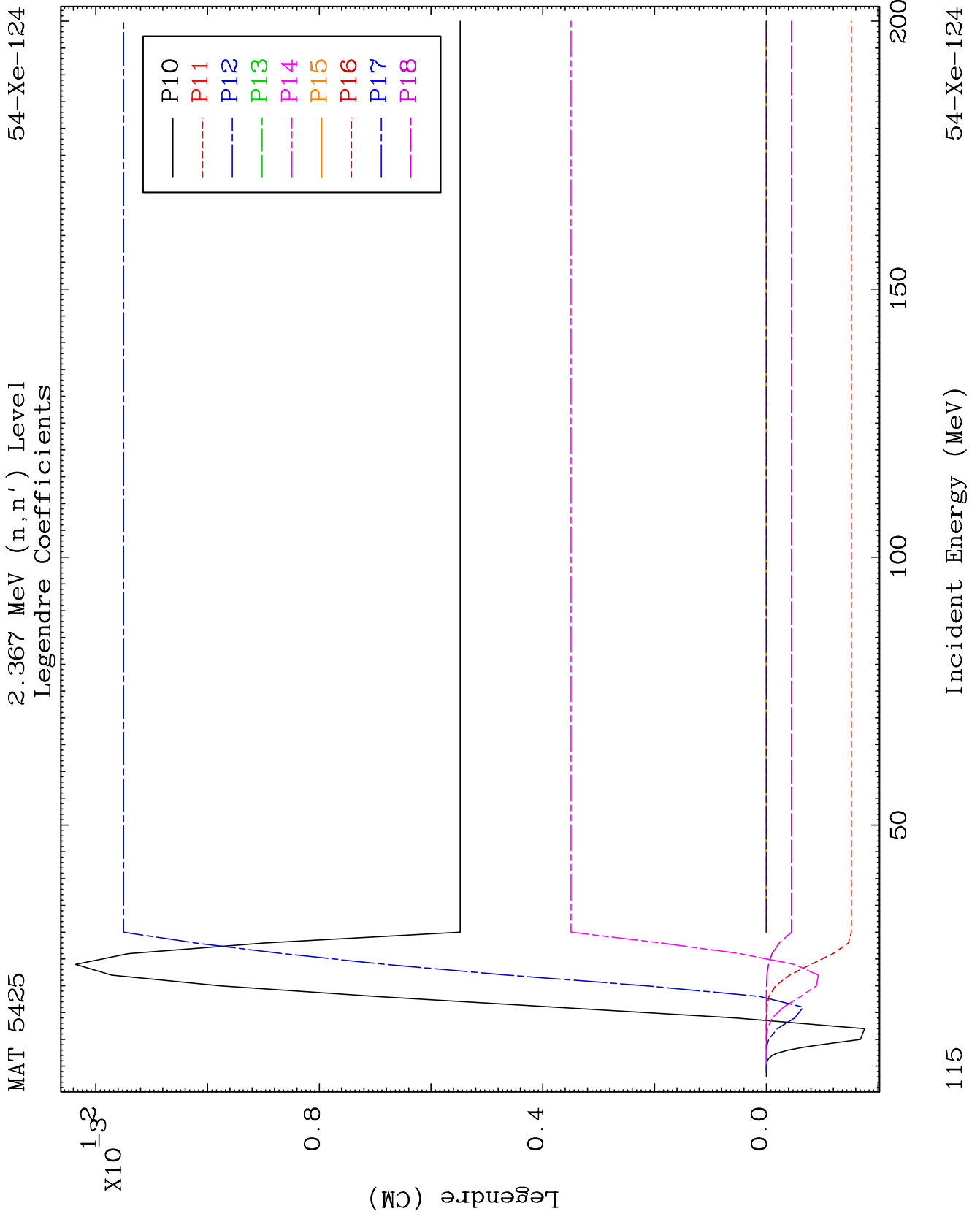
112

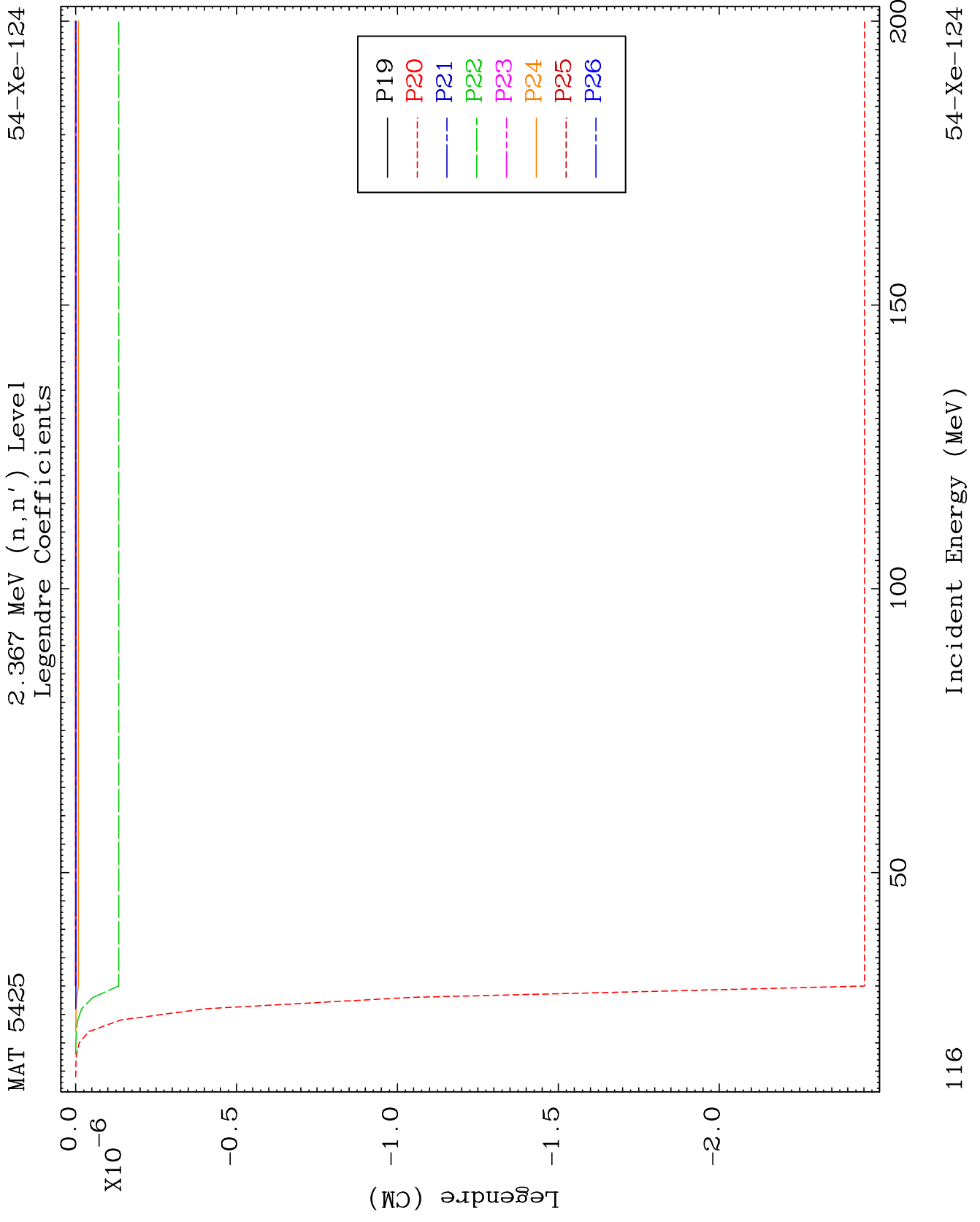
Incident Energy (MeV)

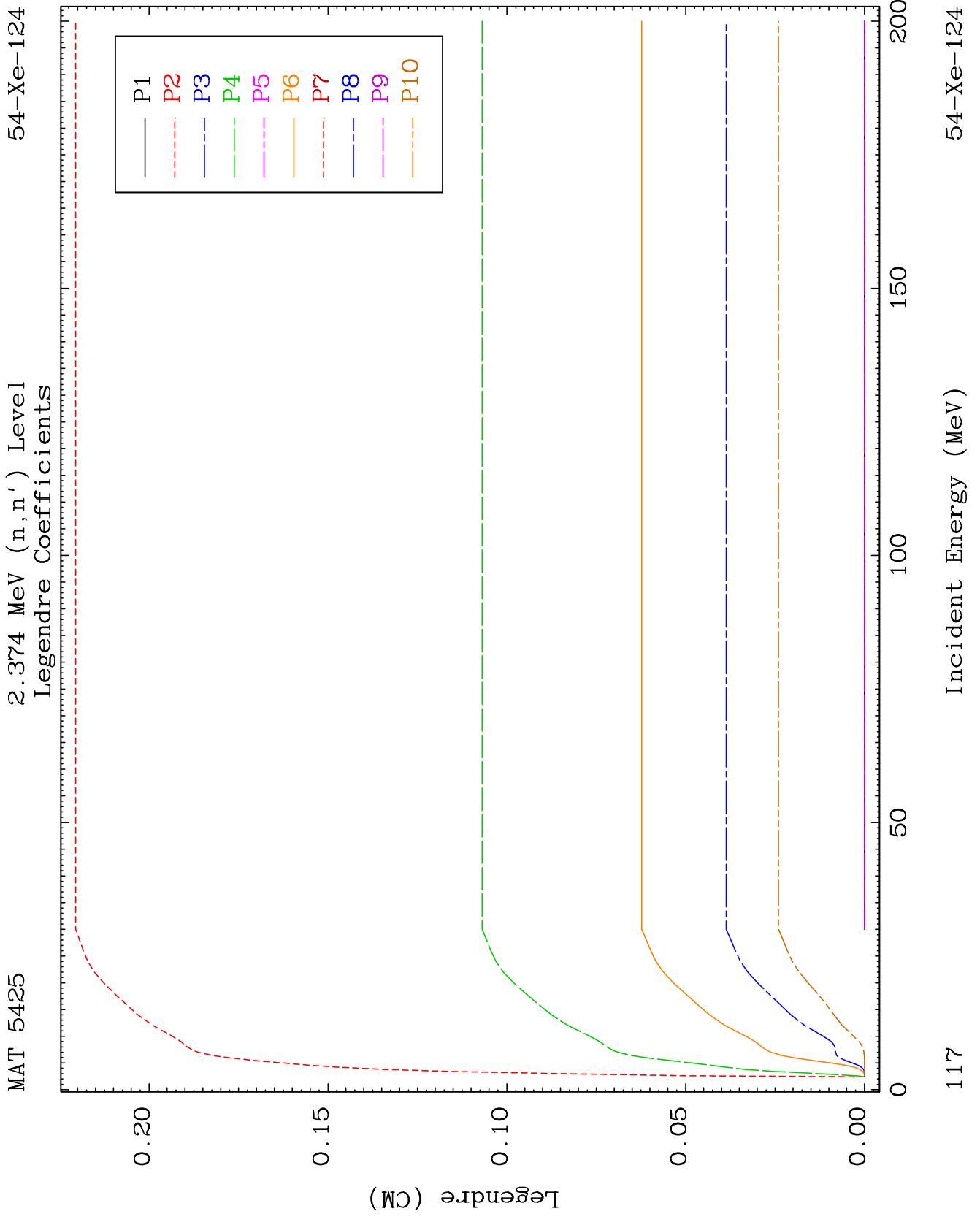
54-Xe-124



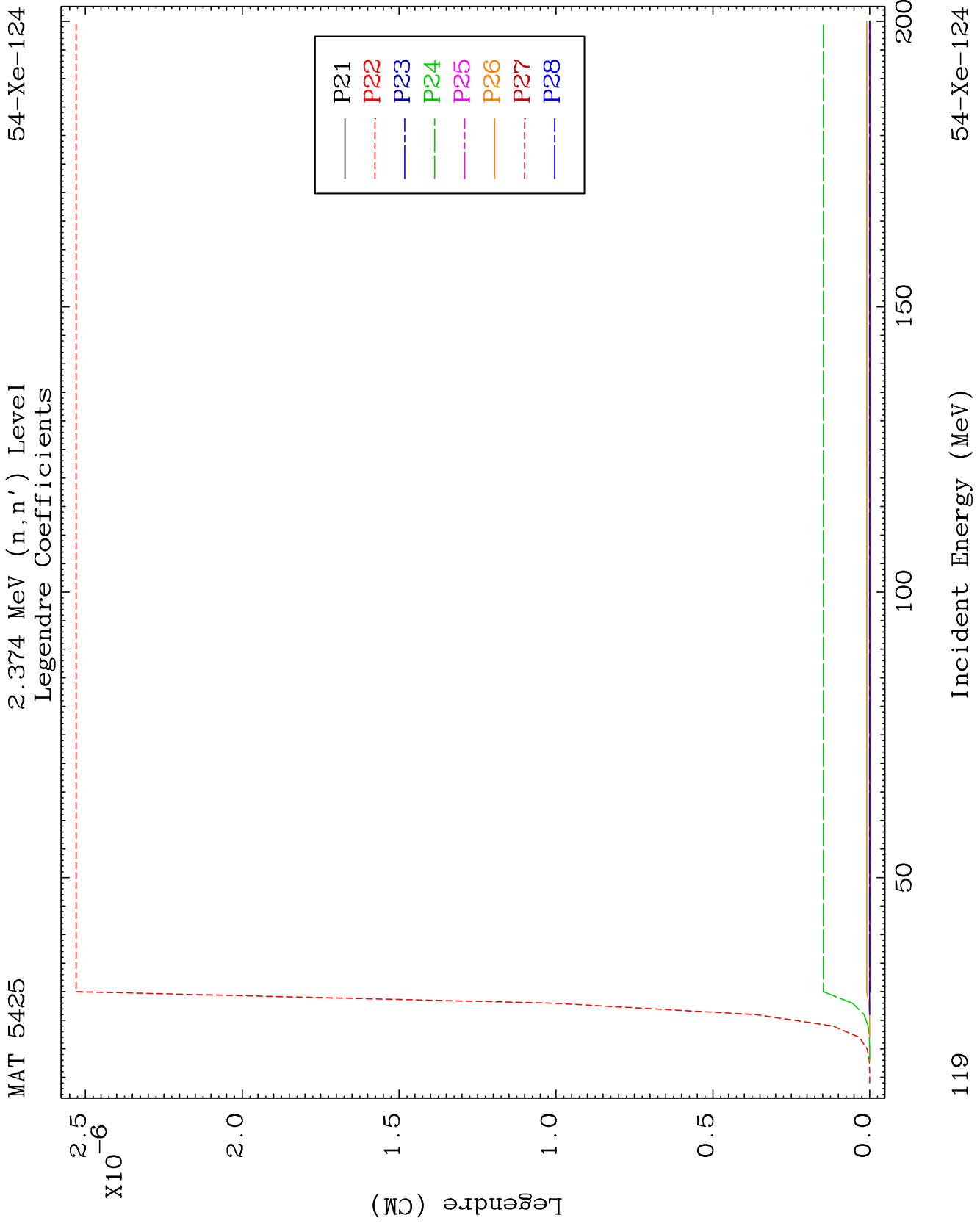




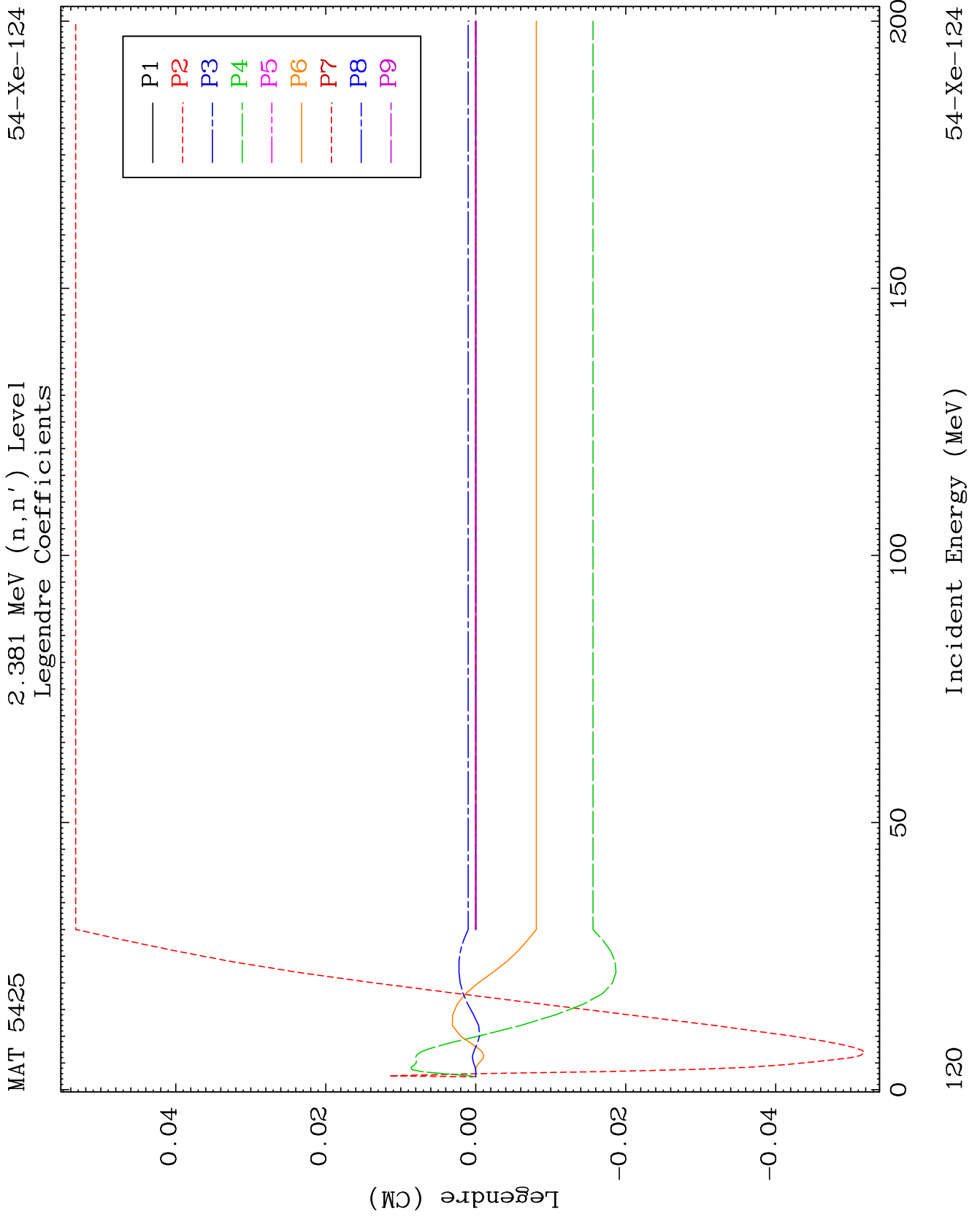








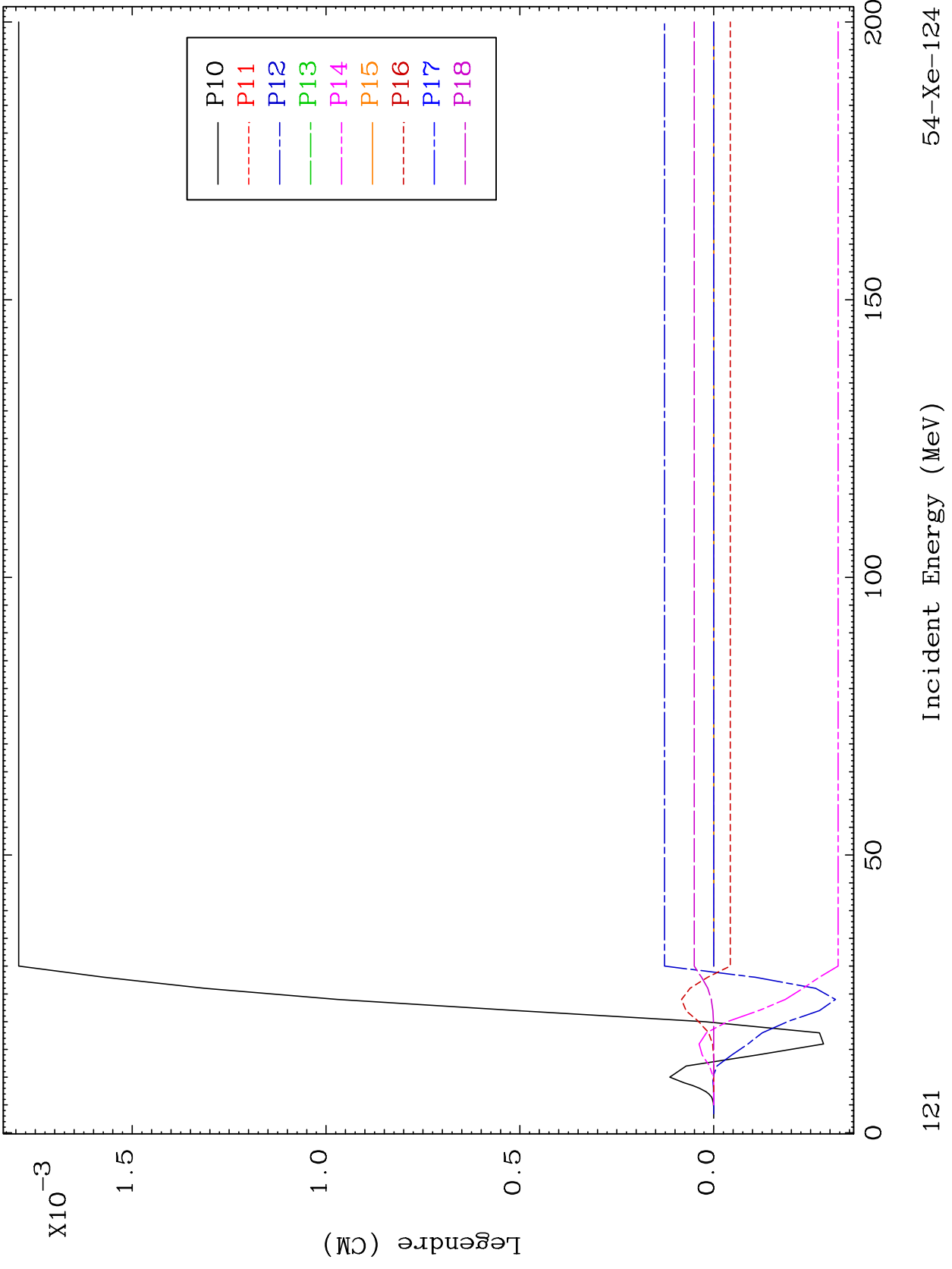




MAT 5425

2.381 MeV (n,n') Level  
Legendre Coefficients

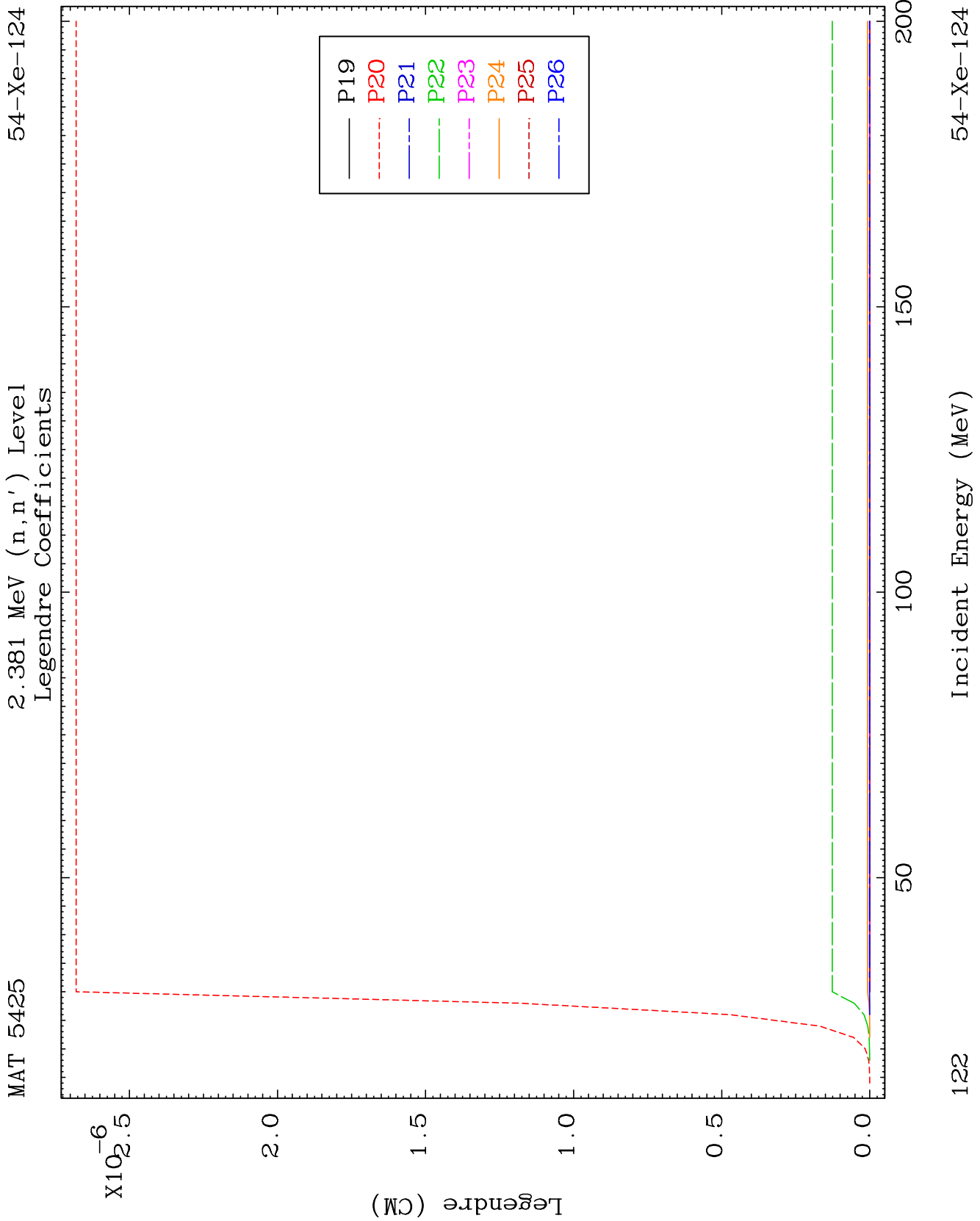
54-Xe-124



121

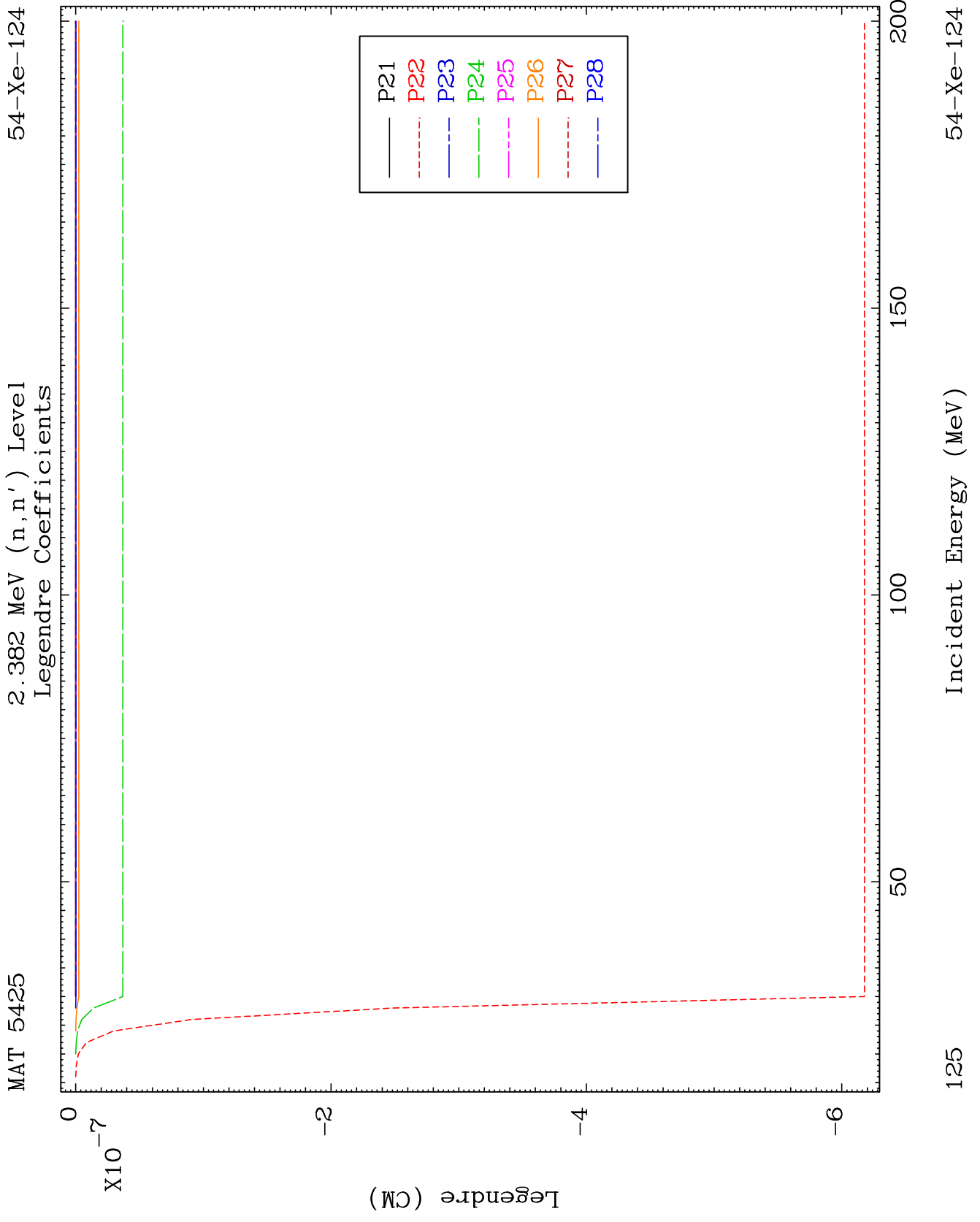
Incident Energy (MeV)

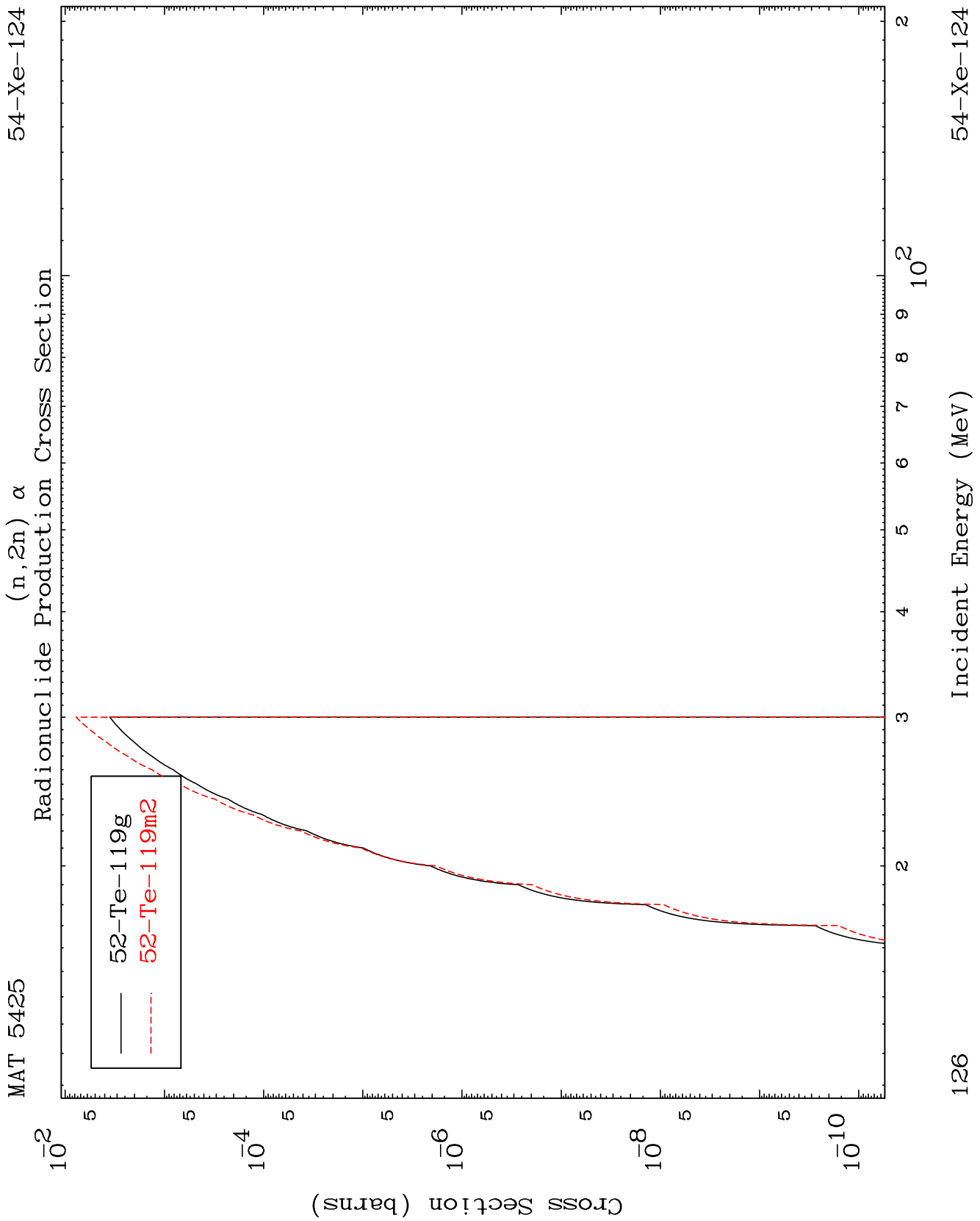
54-Xe-124









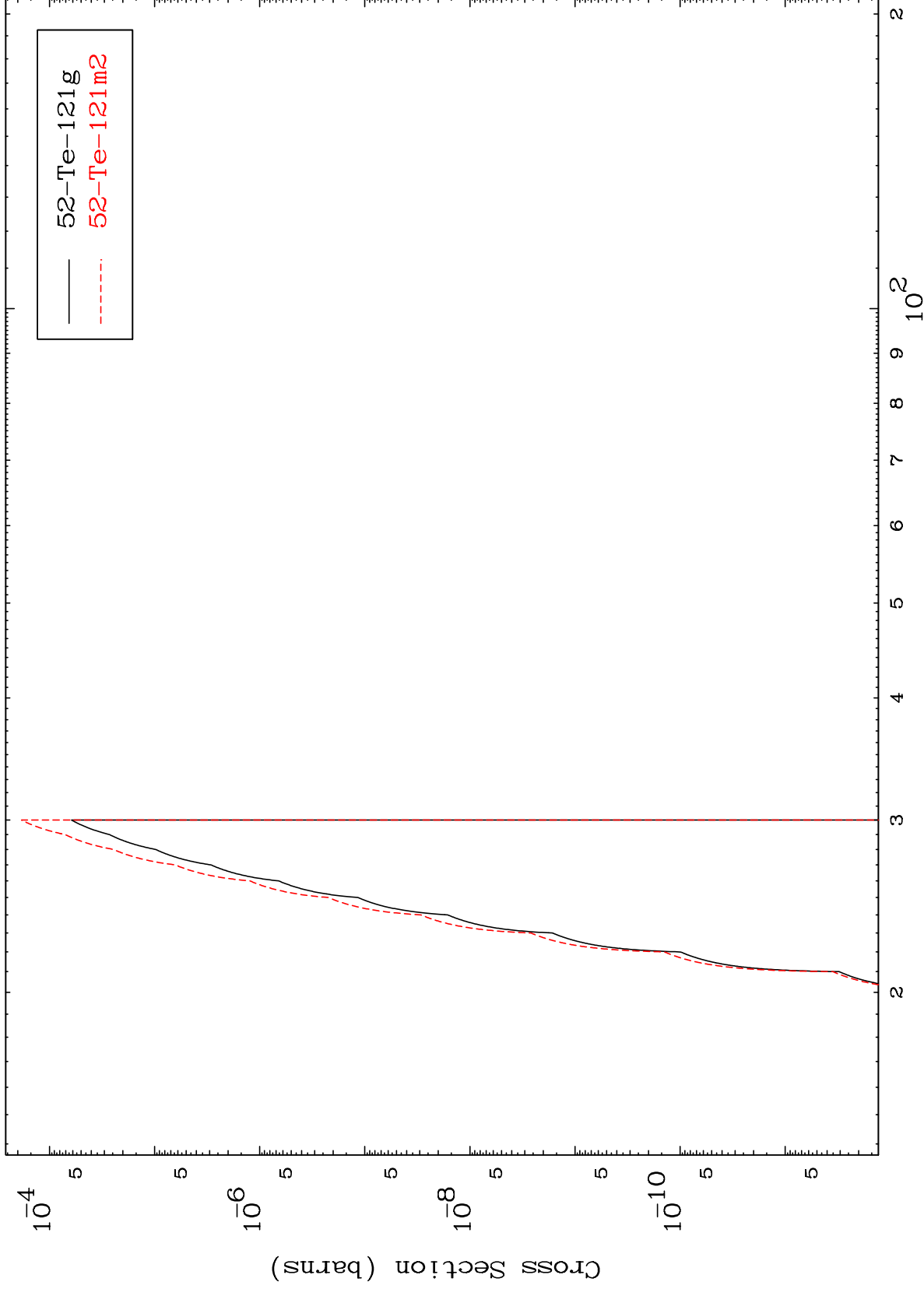


MAT 5425

(n,n') He-3

54-Xe-124

Radionuclide Production Cross Section



127

Incident Energy (MeV)

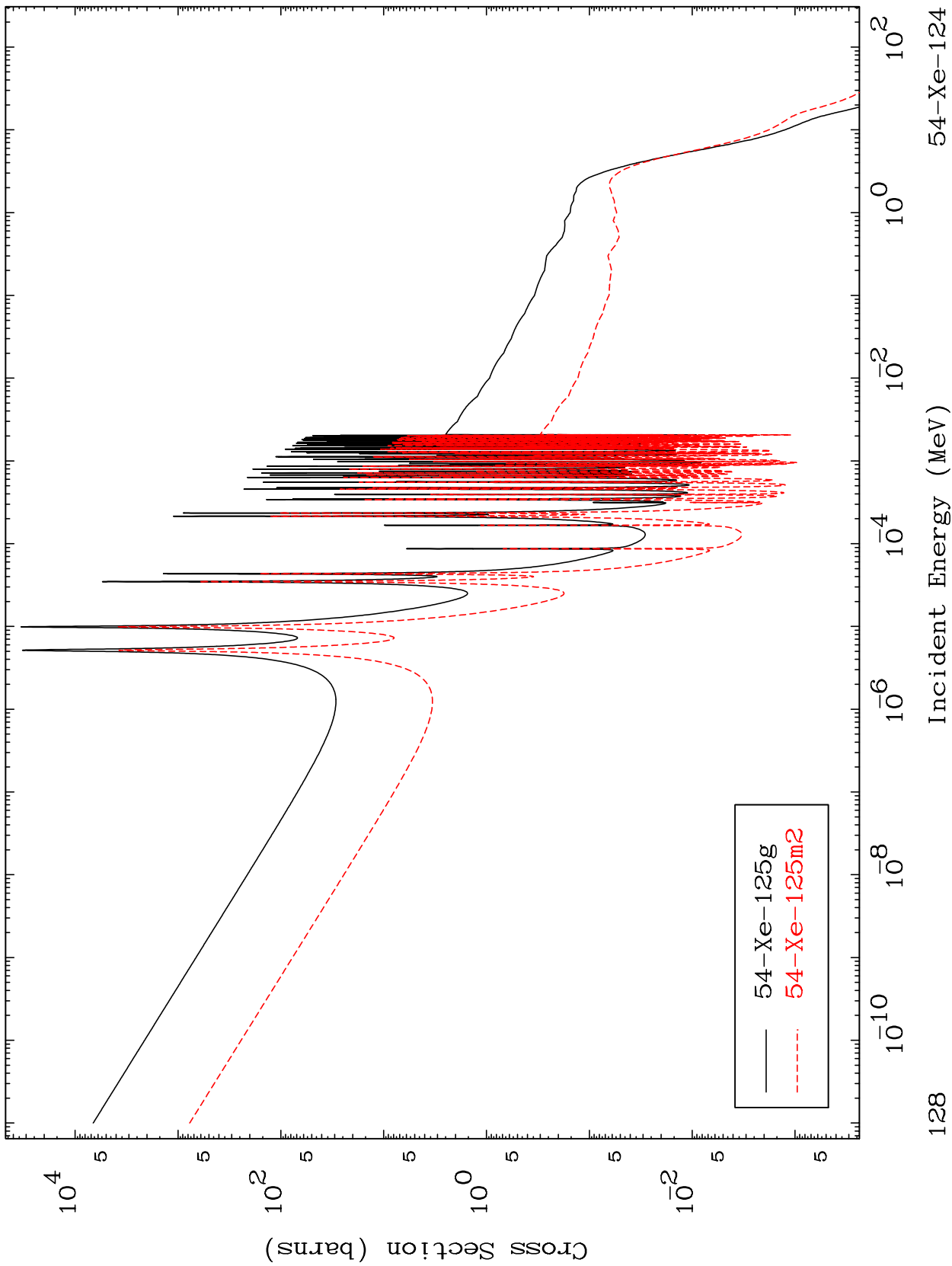
54-Xe-124



MAT 5425

54-Xe-124

$(n, \gamma)$   
Radionuclide Production Cross Section

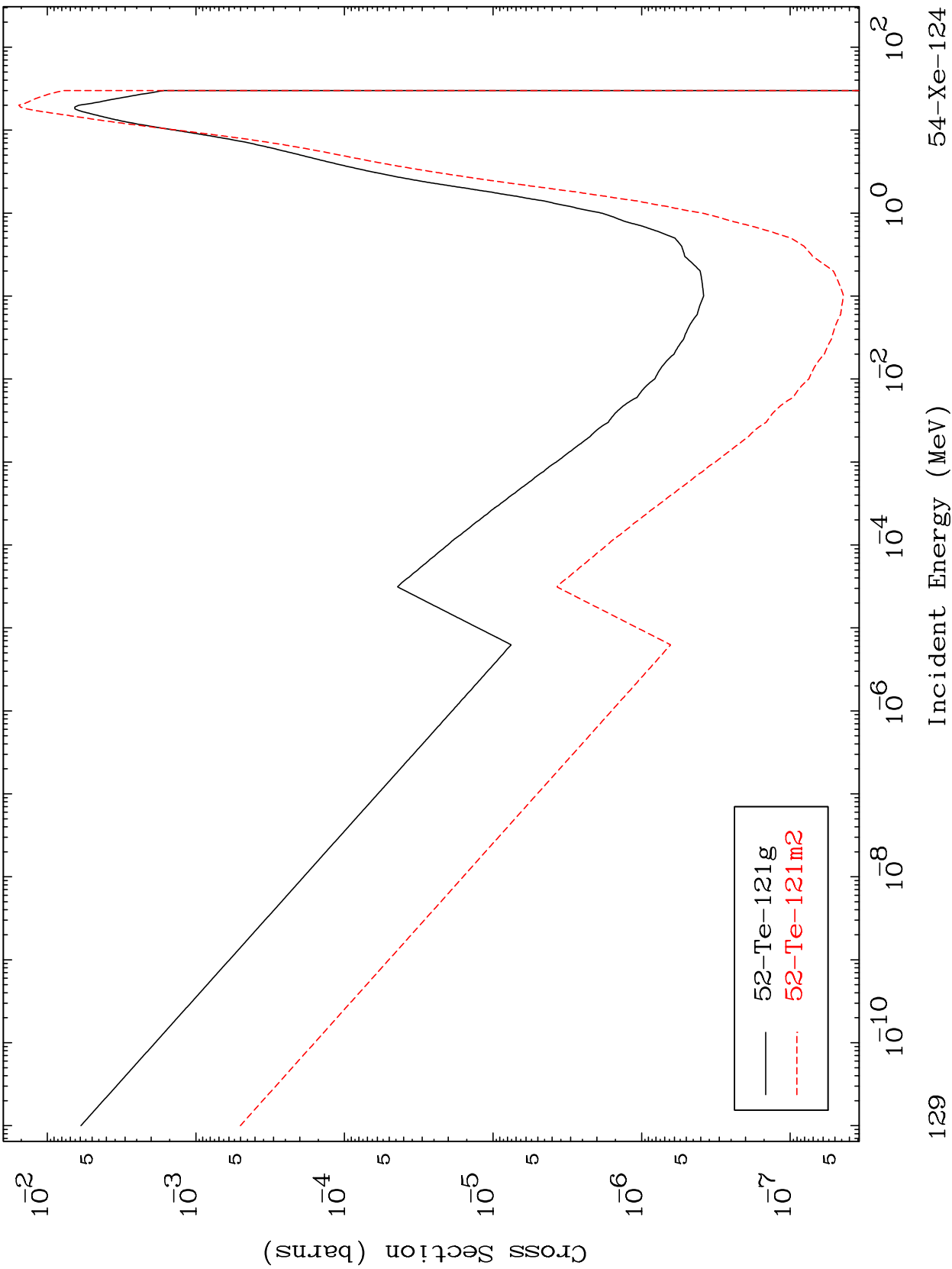


MAT 5425

(n,  $\alpha$ )

54-Xe-124

Radionuclide Production Cross Section

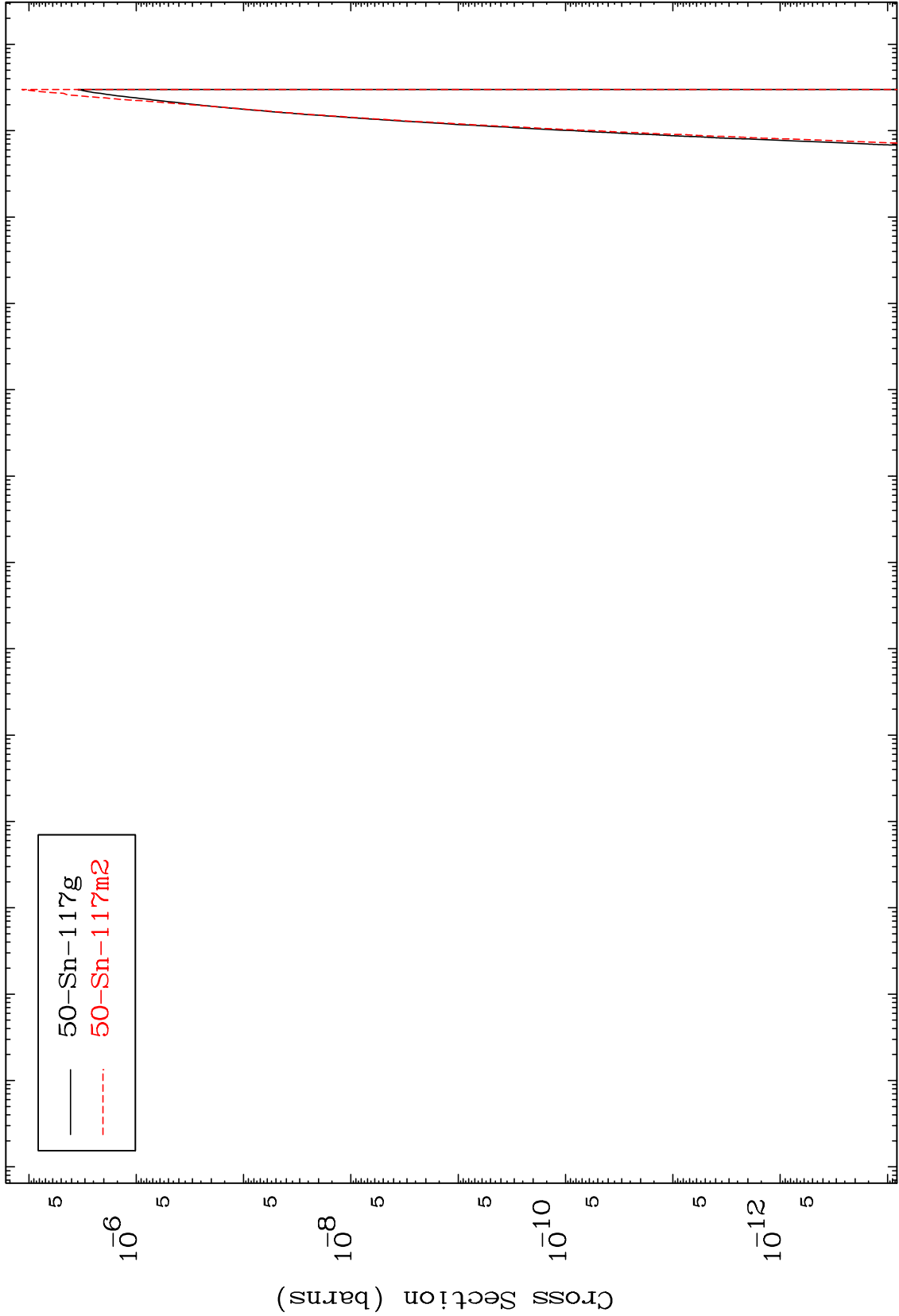


MAT 5425

(n,2α)

54-Xe-124

Radionuclide Production Cross Section

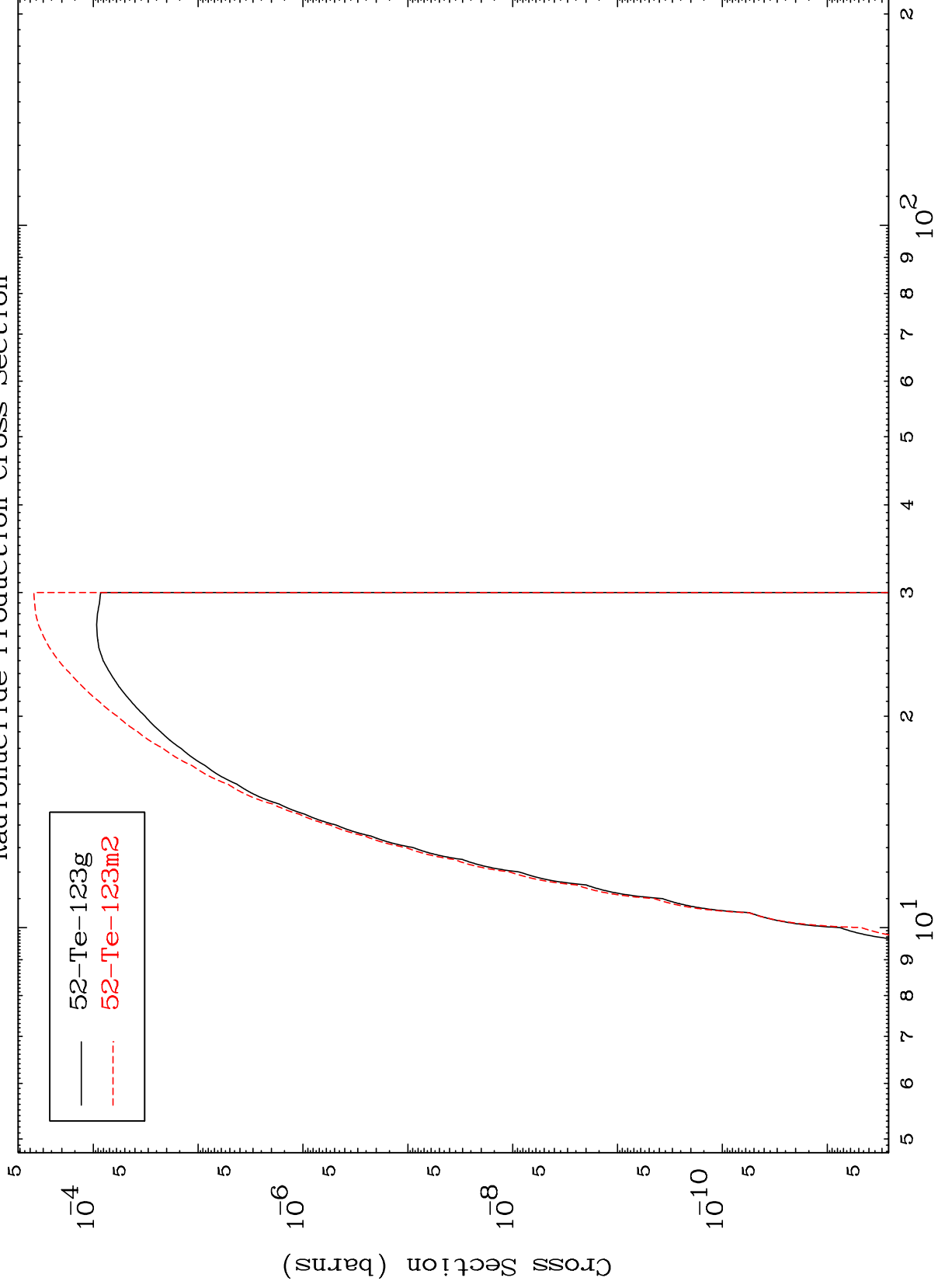


50-Sn-117g  
50-Sn-117m2

MAT 5425

54-Xe-124

(n,2p)  
Radionuclide Production Cross Section



131

Incident Energy (MeV)

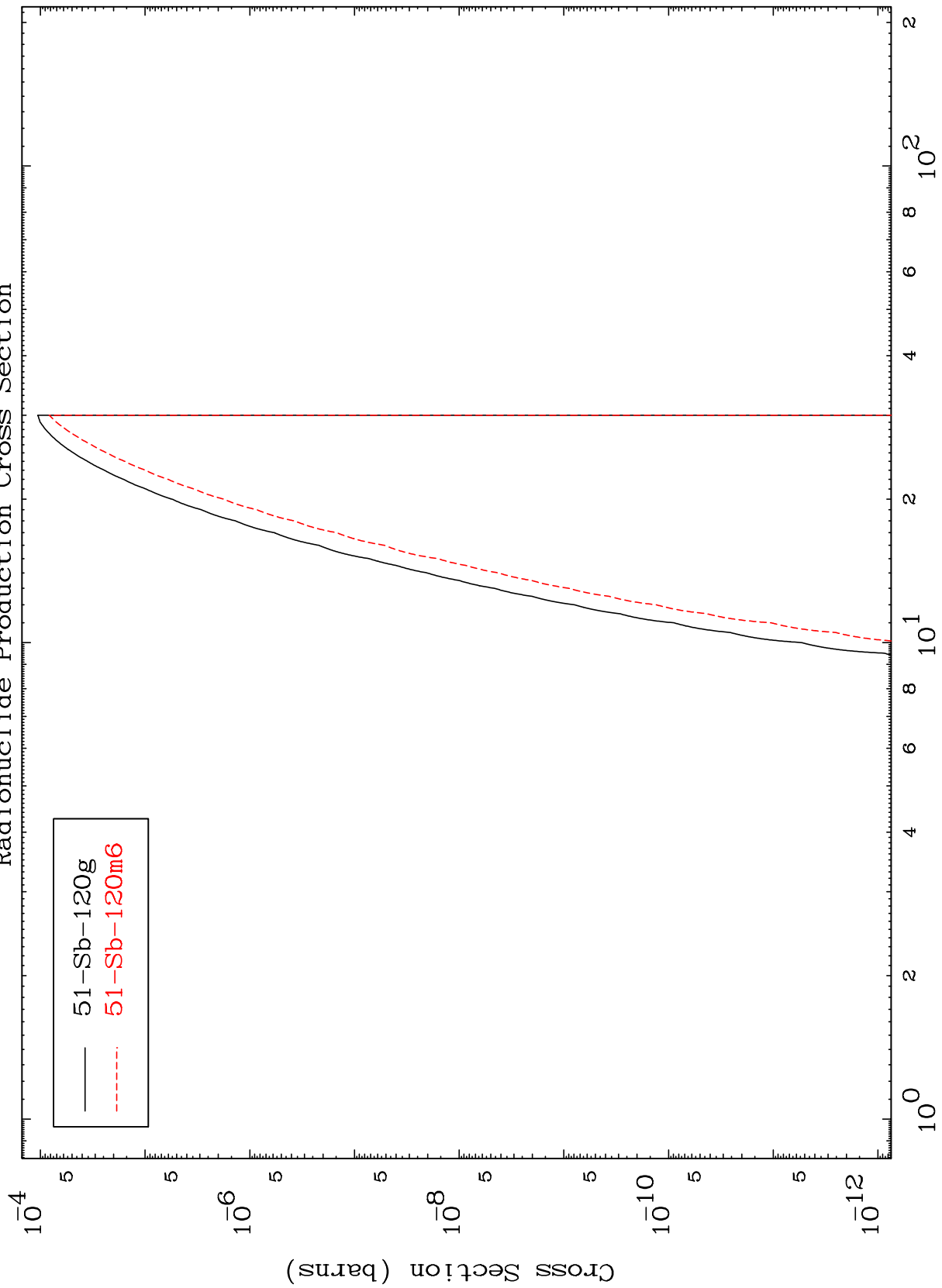
54-Xe-124

MAT 5425

(n,p)  $\alpha$

54-Xe-124

Radionuclide Production Cross Section



Incident Energy (MeV)

54-Xe-124

132

Radionuclide Production Cross Section

