

Program EVALPLOT  
(Version 2015-2)

by

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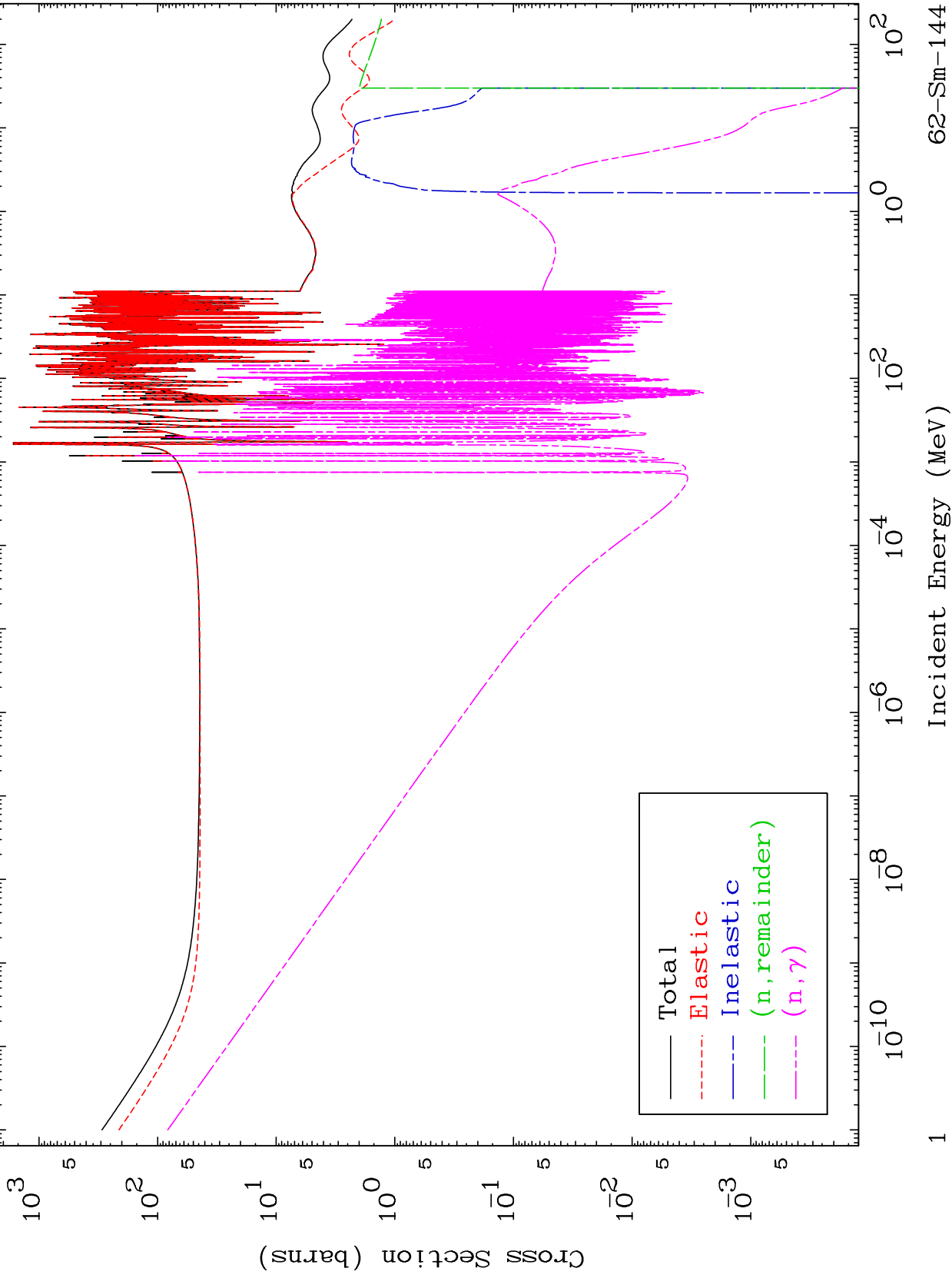
Press Mouse Button to Start

MAT 6225

Major

293 Kelvin Cross Sections

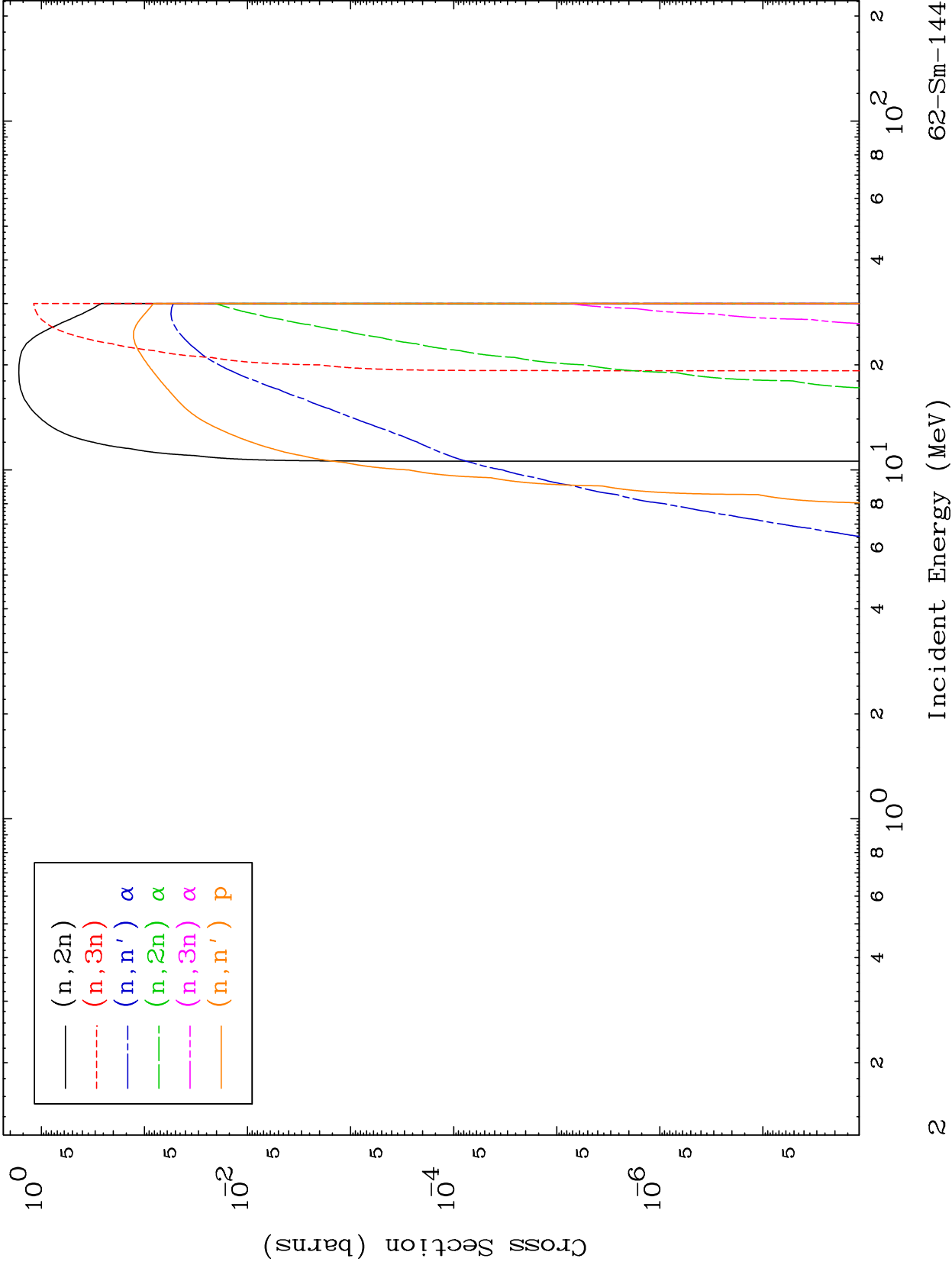
62-Sm-144



MAT 6225

Neutron Production  
293 Kelvin Cross Sections

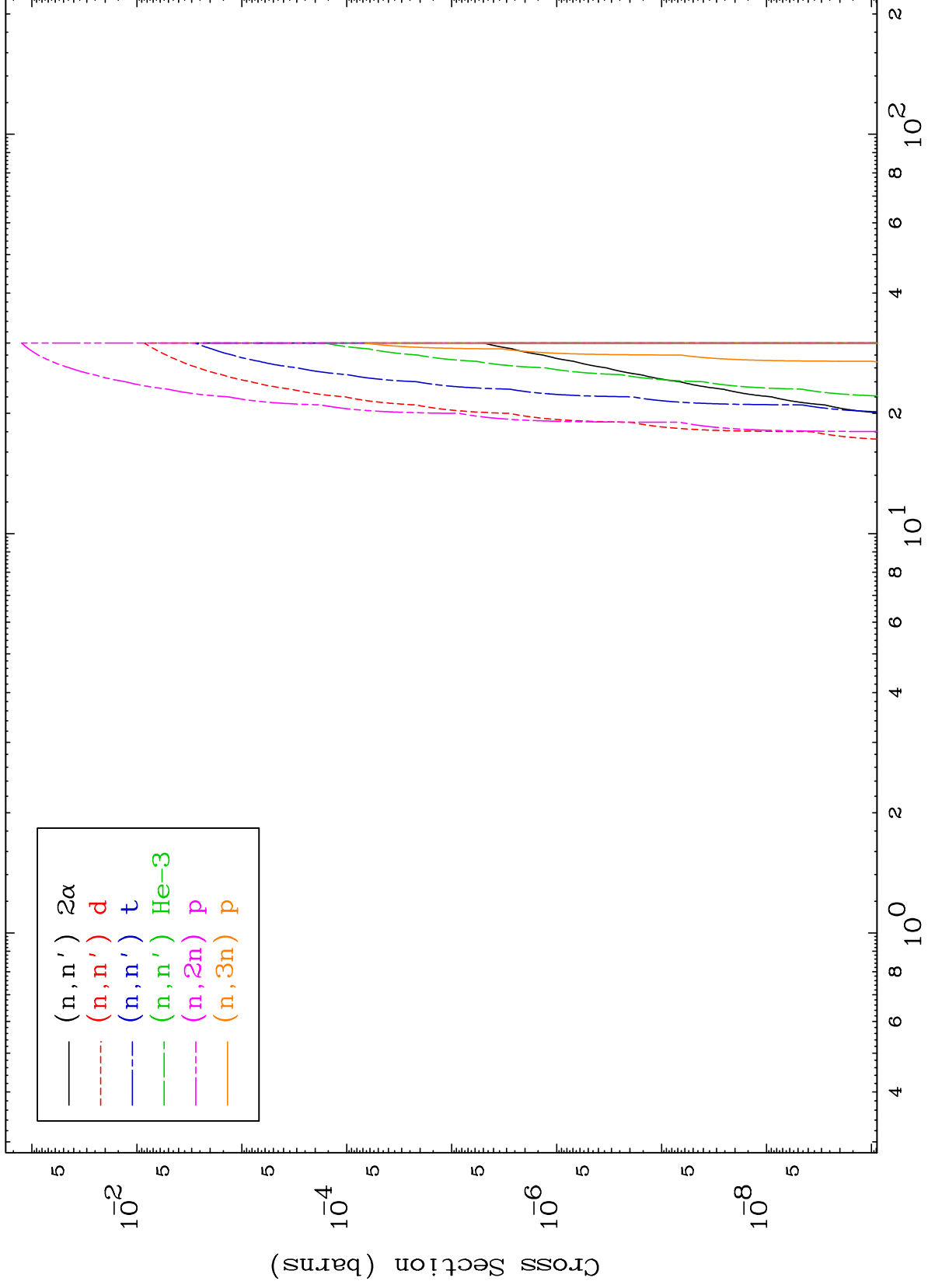
62-Sm-144



MAT 6225

Neutron Production  
293 Kelvin Cross Sections

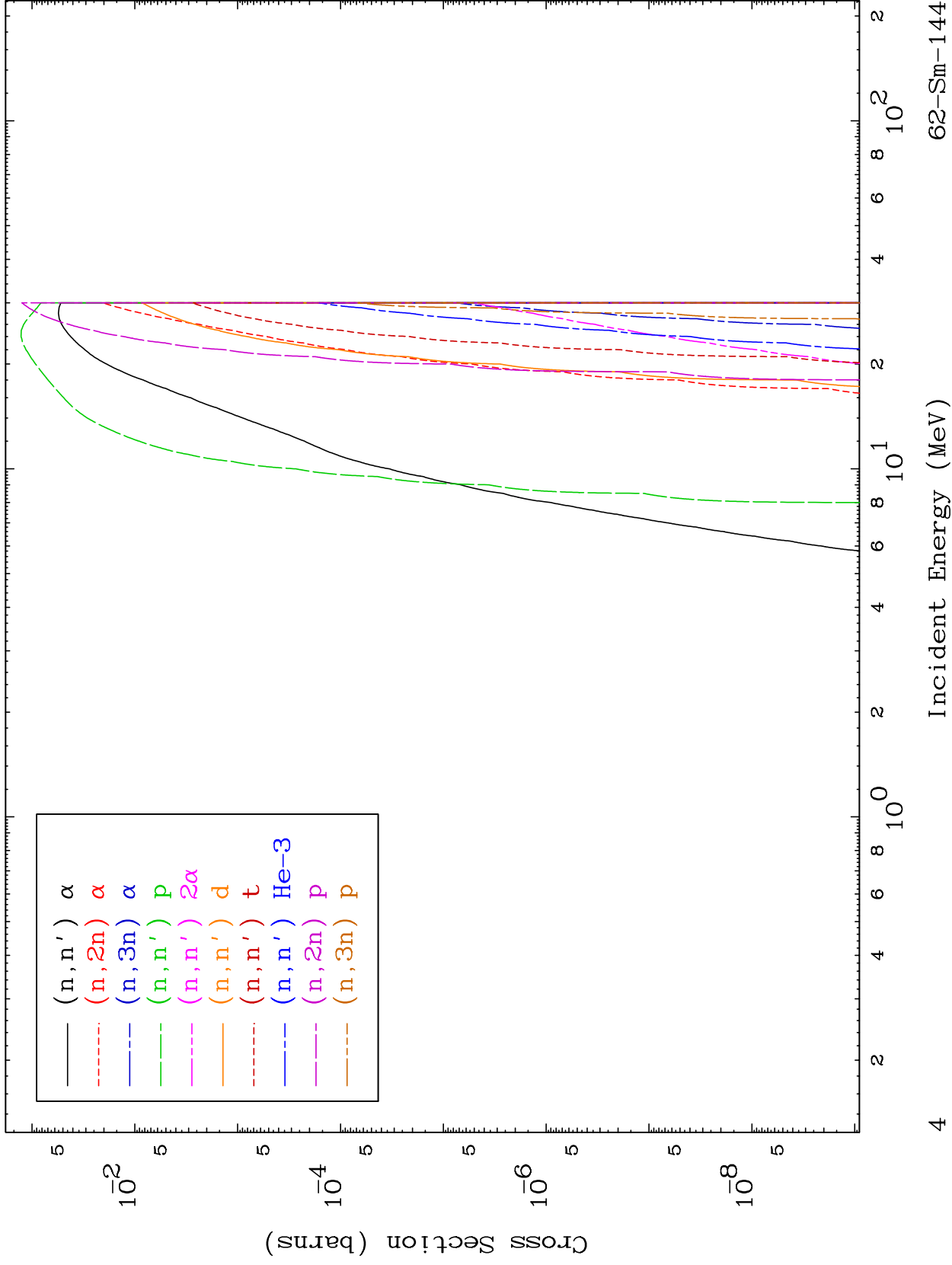
62-Sm-144



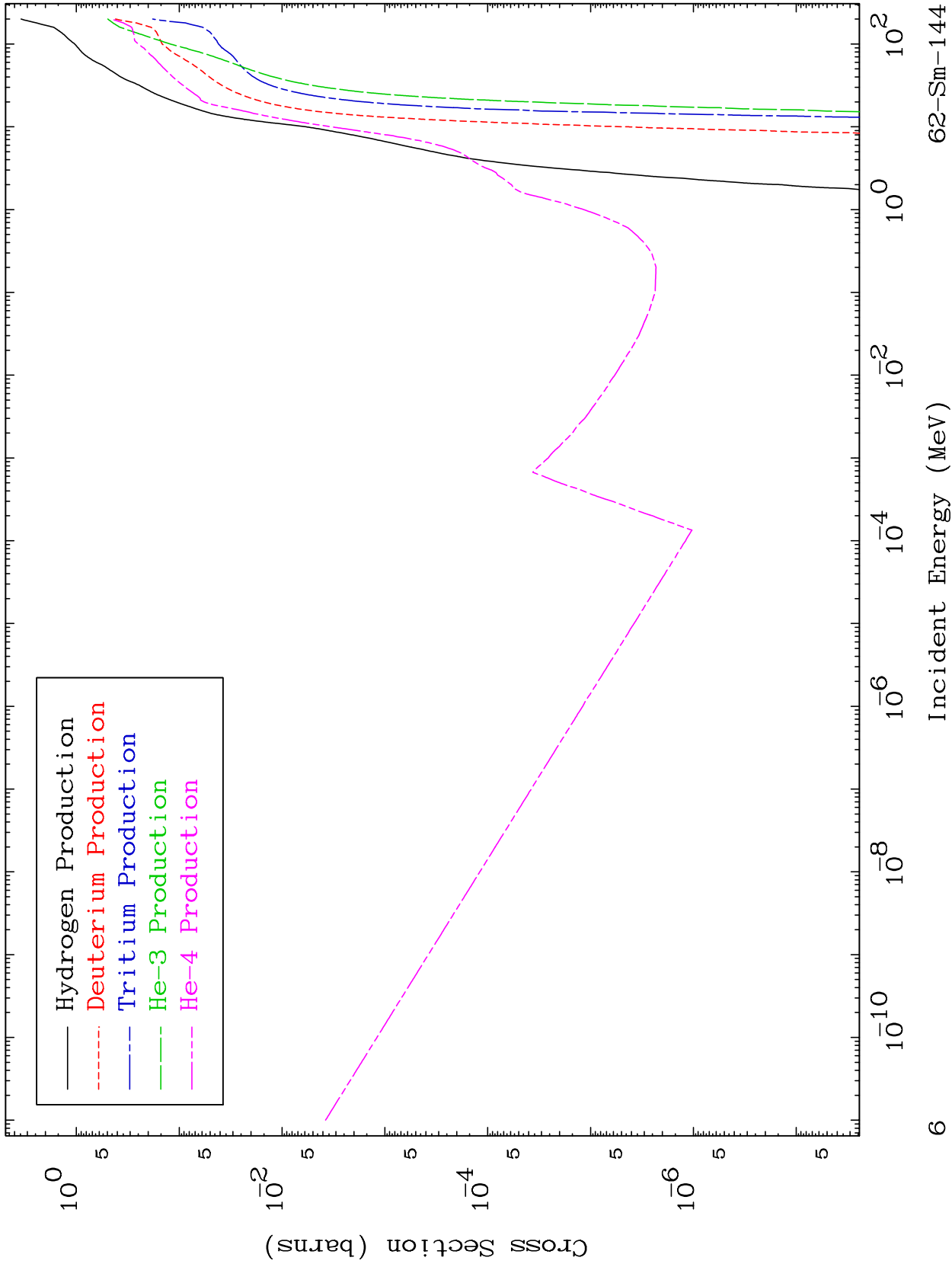
MAT 6225

Charged Particle  
293 Kelvin Cross Sections

62-Sm-144



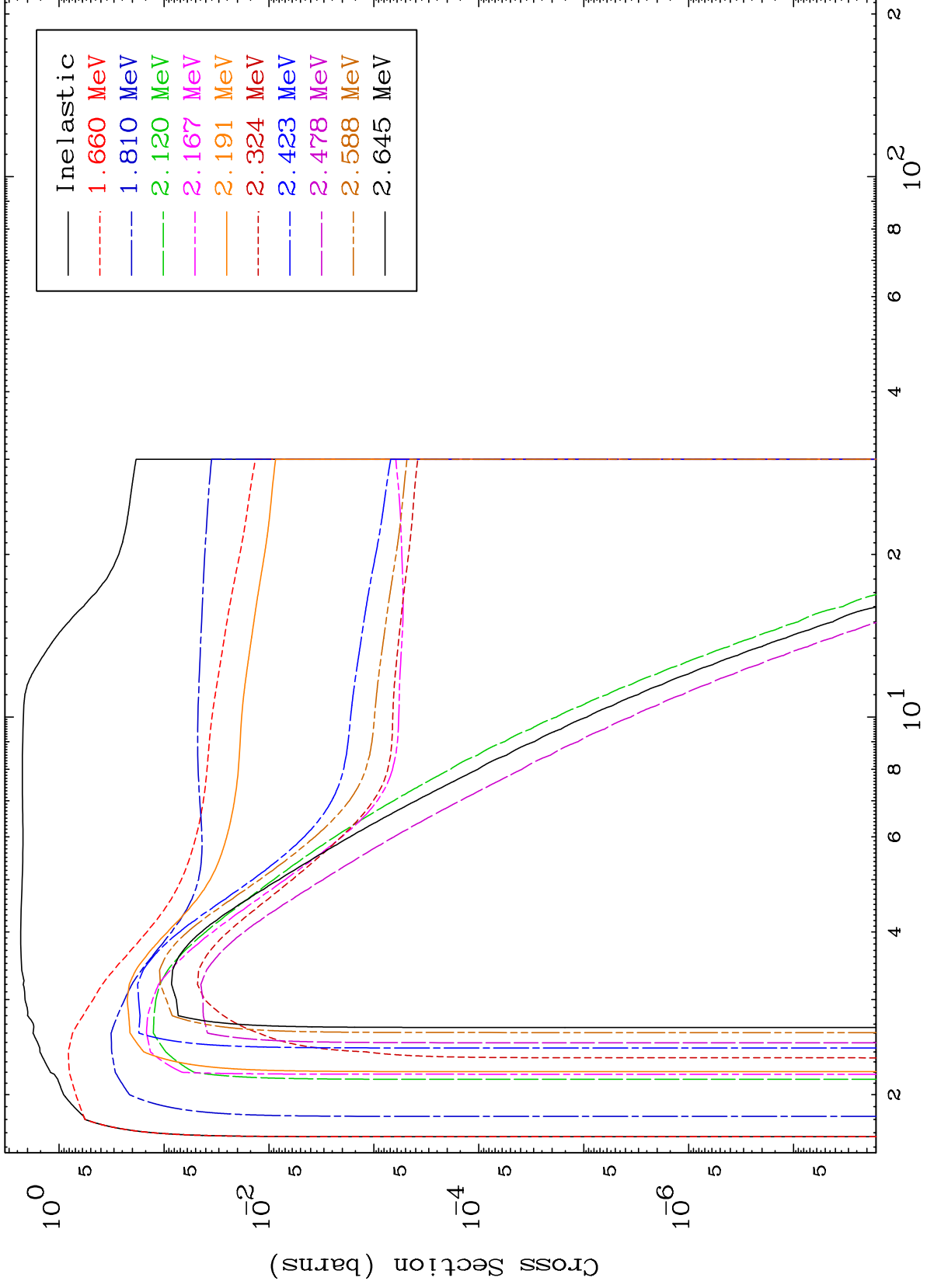




MAT 6225

(n,n') Level  
293 Kelvin Cross Sections

62-Sm-144



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Incident Energy (MeV)

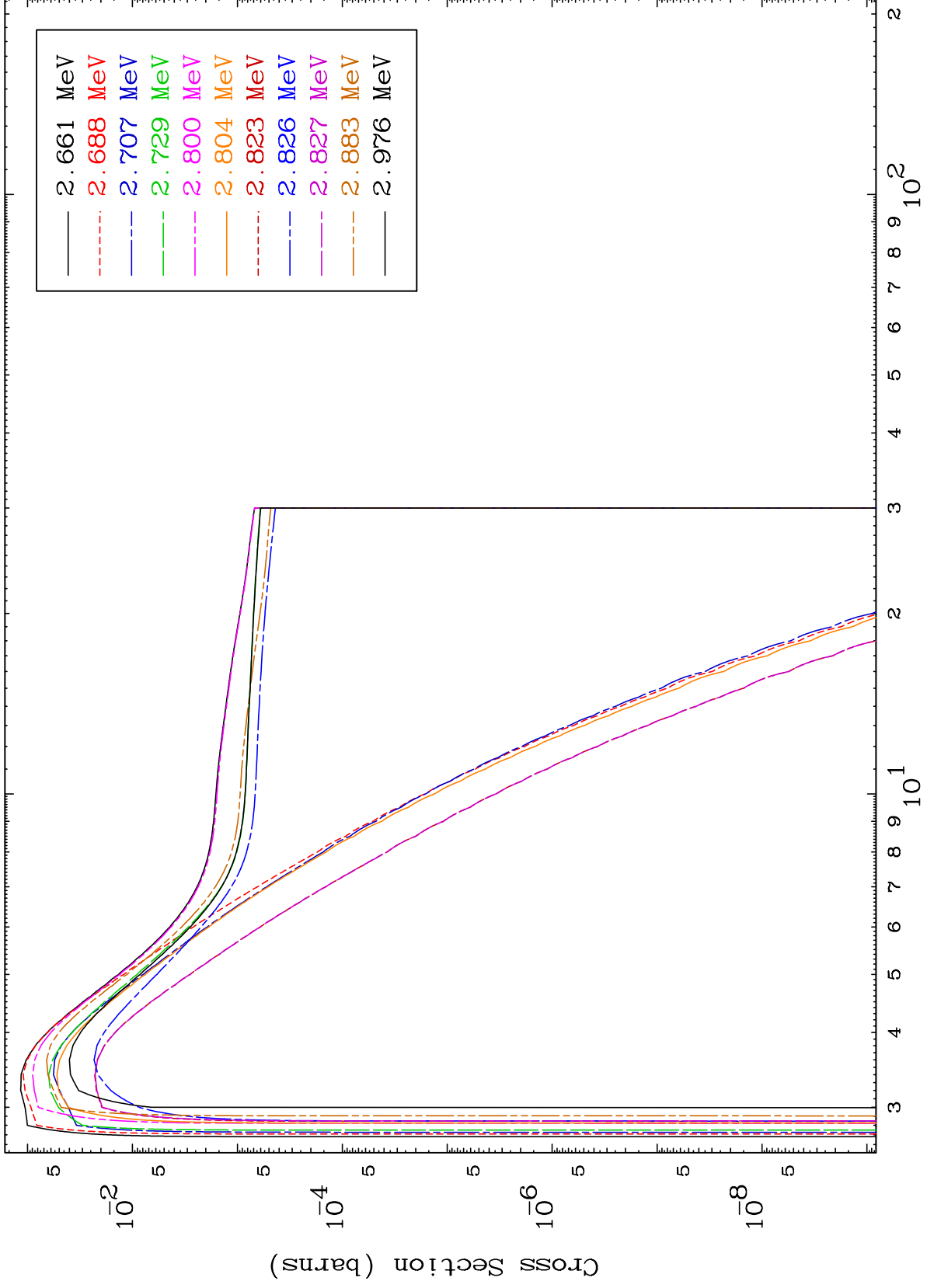
62-Sm-144



MAT 6225

(n,n') Level  
293 Kelvin Cross Sections

62-Sm-144



8

Incident Energy (MeV)

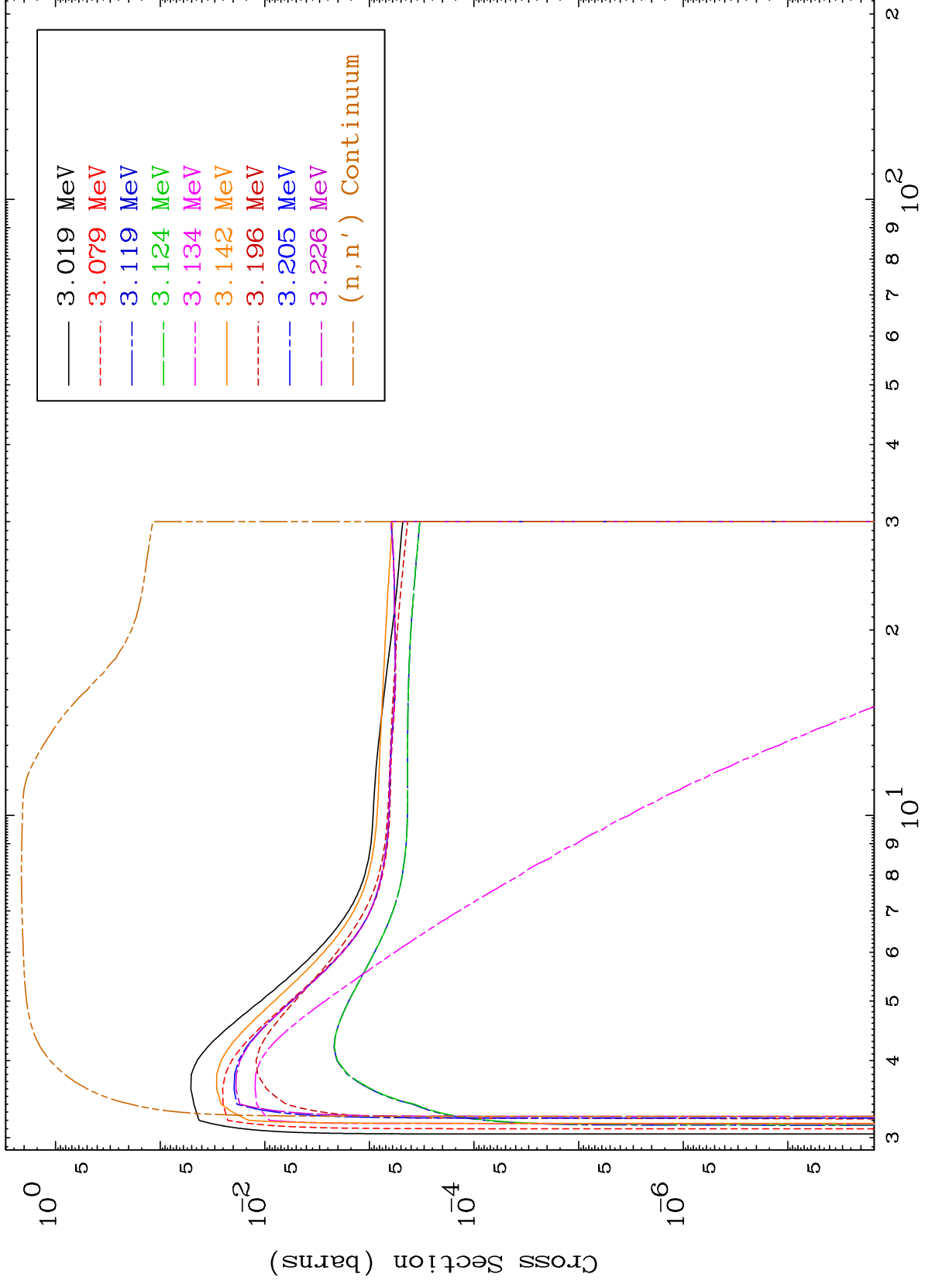
62-Sm-144

MAT 6225

(n,n') Level

62-Sm-144

293 Kelvin Cross Sections



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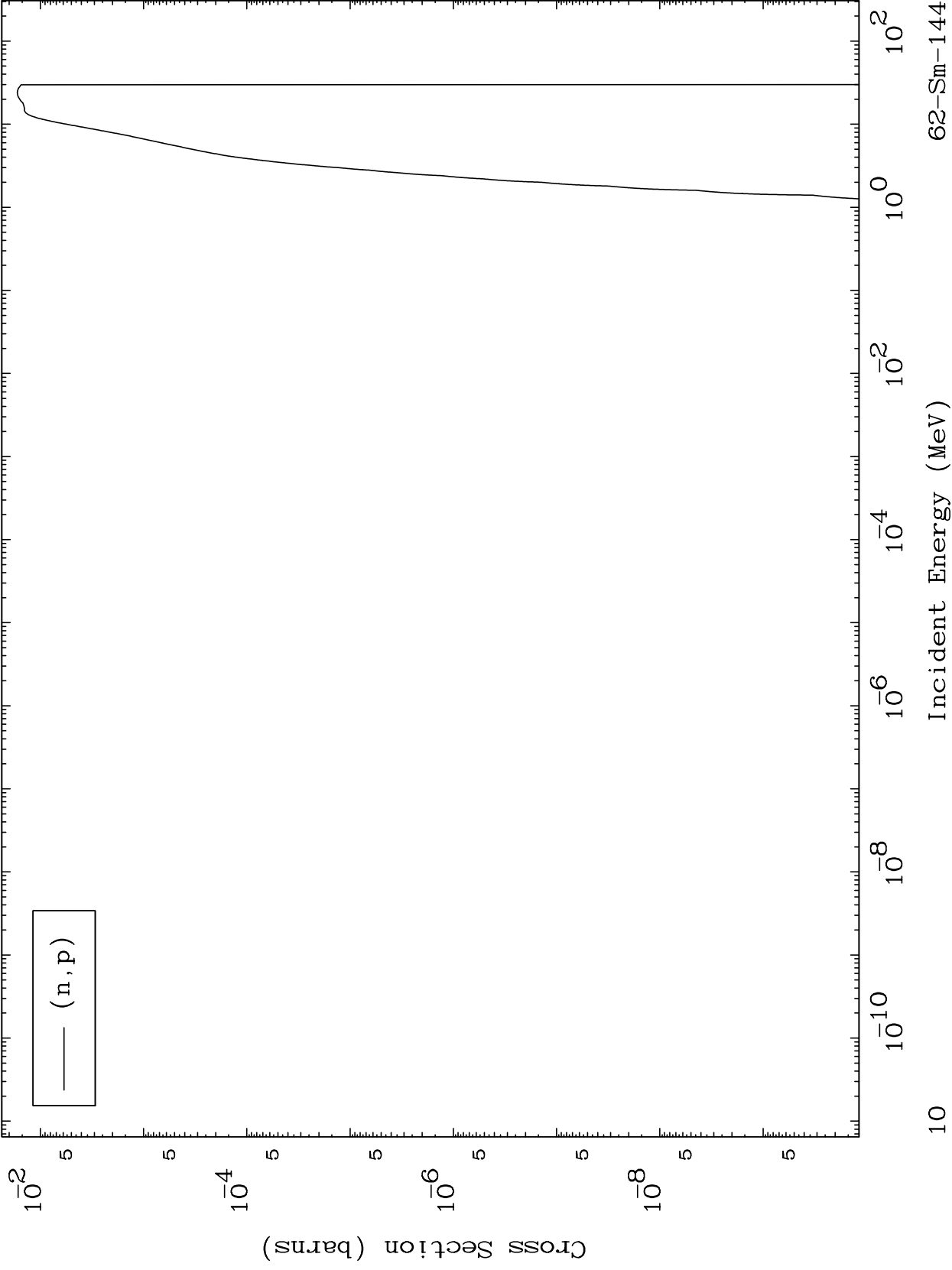
Incident Energy (MeV)

62-Sm-144

MAT 6225

(n,p) Levels  
293 Kelvin Cross Sections

62-Sm-144



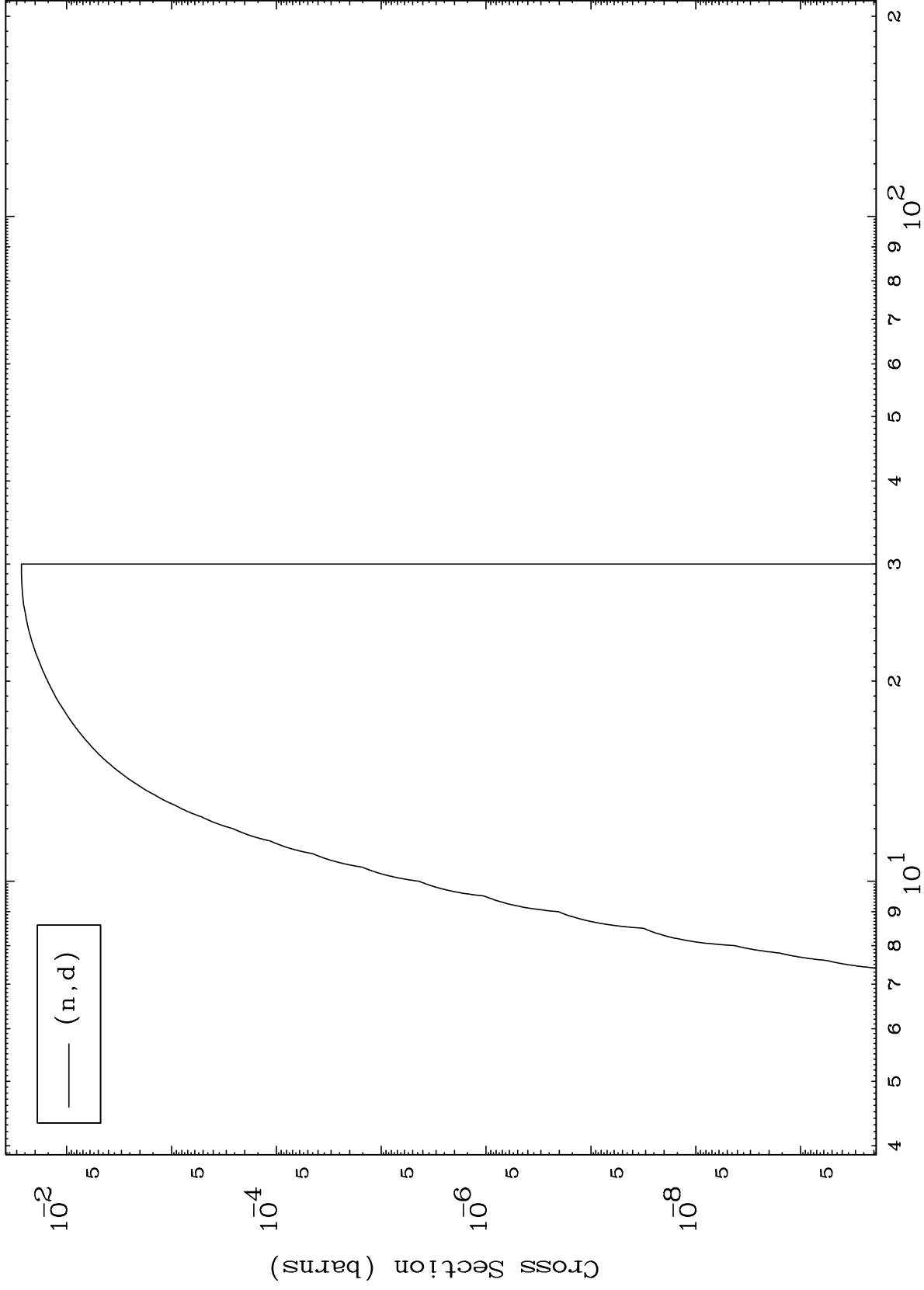
10

62-Sm-144

MAT 6225

(n,d) Levels  
293 Kelvin Cross Sections

62-Sm-144



11

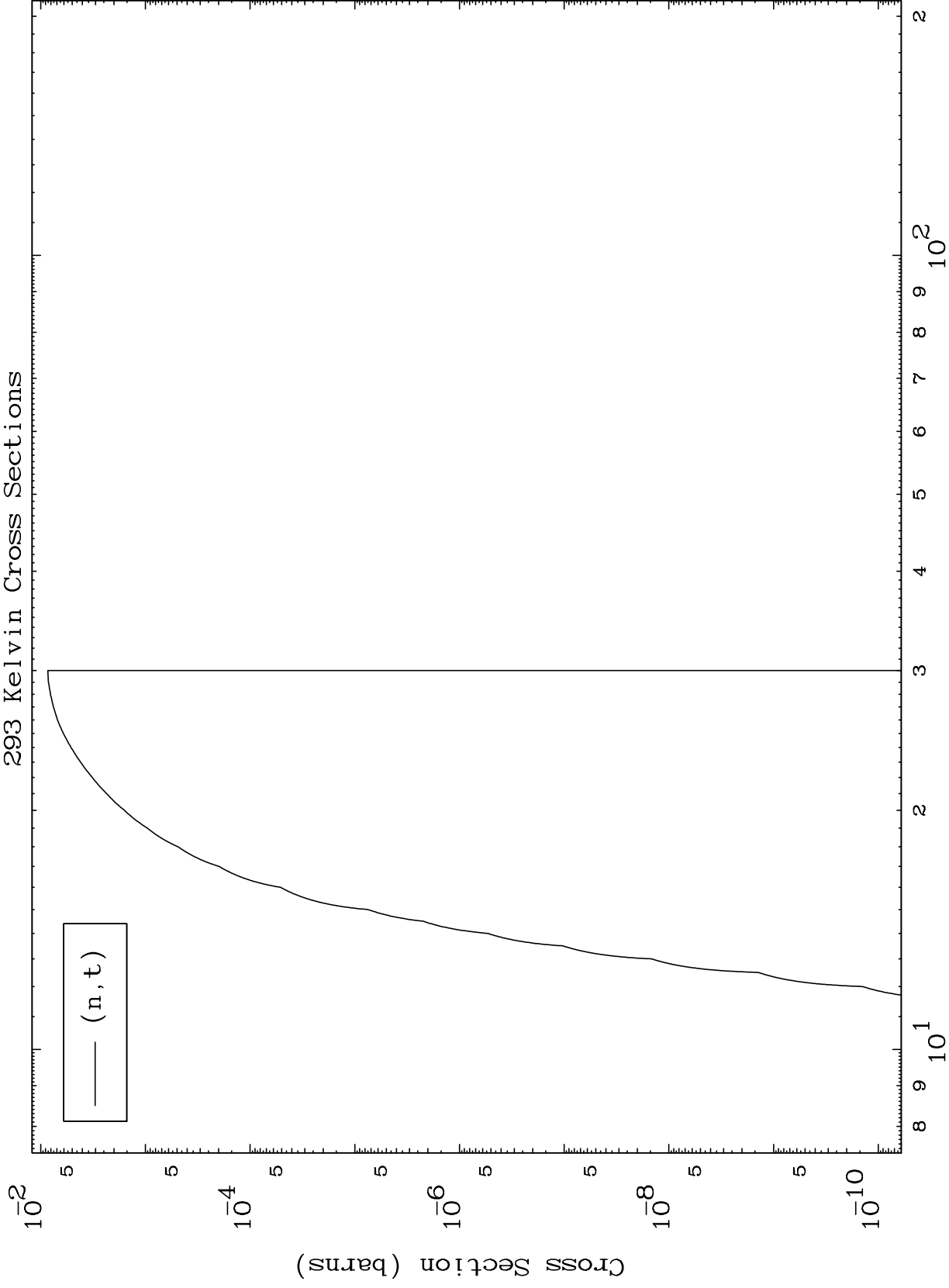
Incident Energy (MeV)

62-Sm-144

MAT 6225

(n,t) Levels  
293 Kelvin Cross Sections

62-Sm-144



12

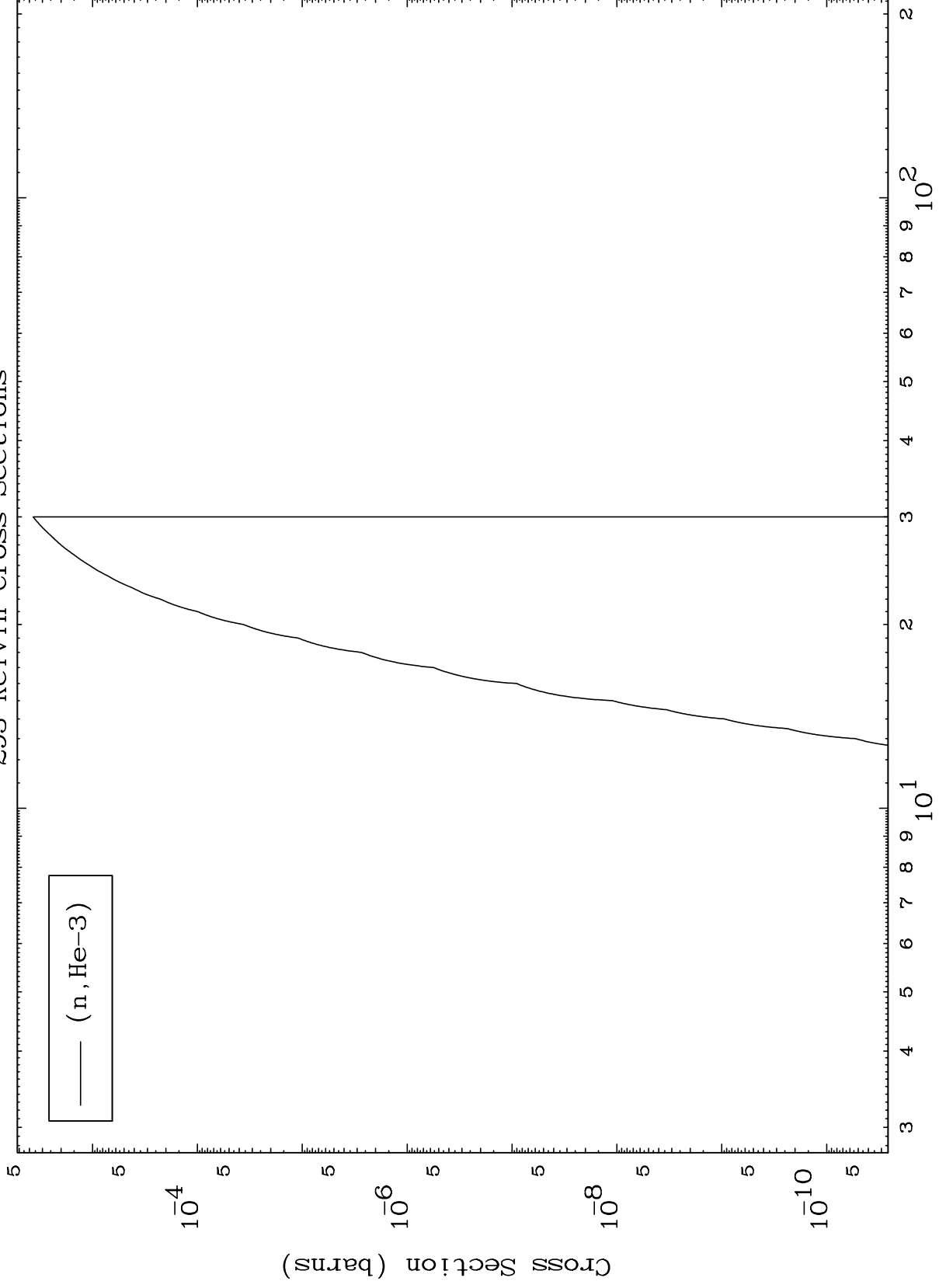
Incident Energy (MeV)

62-Sm-144

MAT 6225

(n,He3) Levels  
293 Kelvin Cross Sections

62-Sm-144



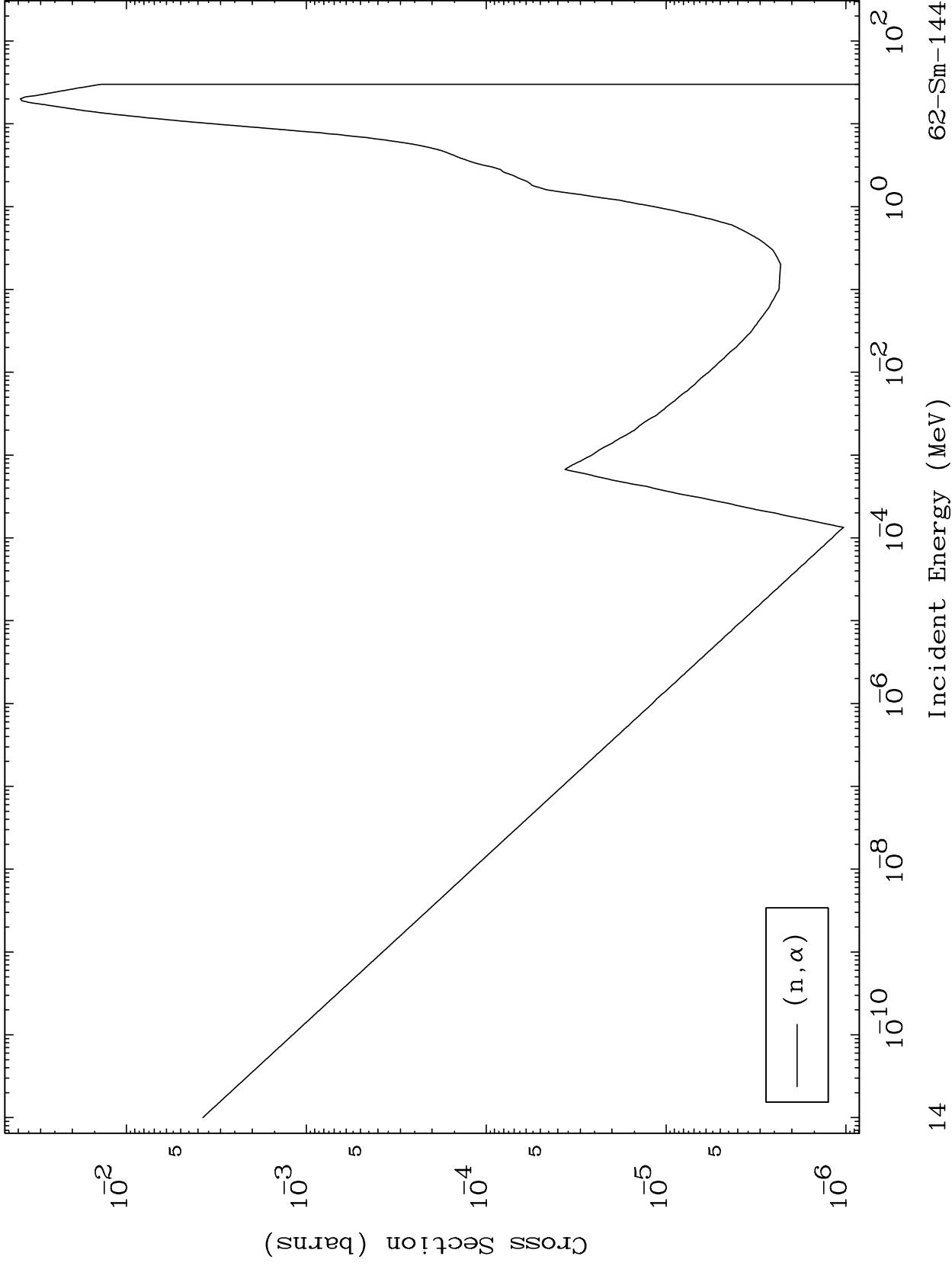
13

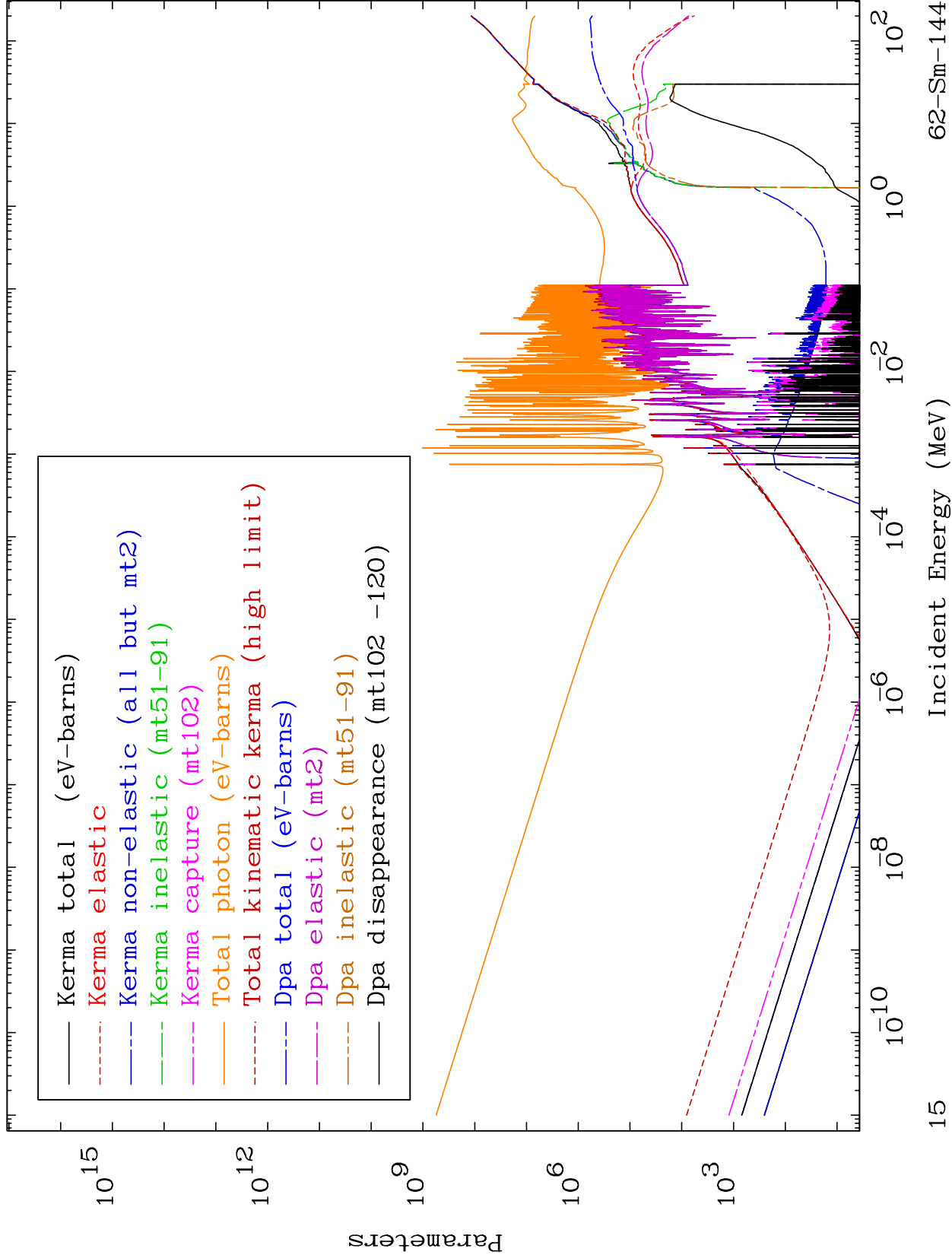
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MAT 6225

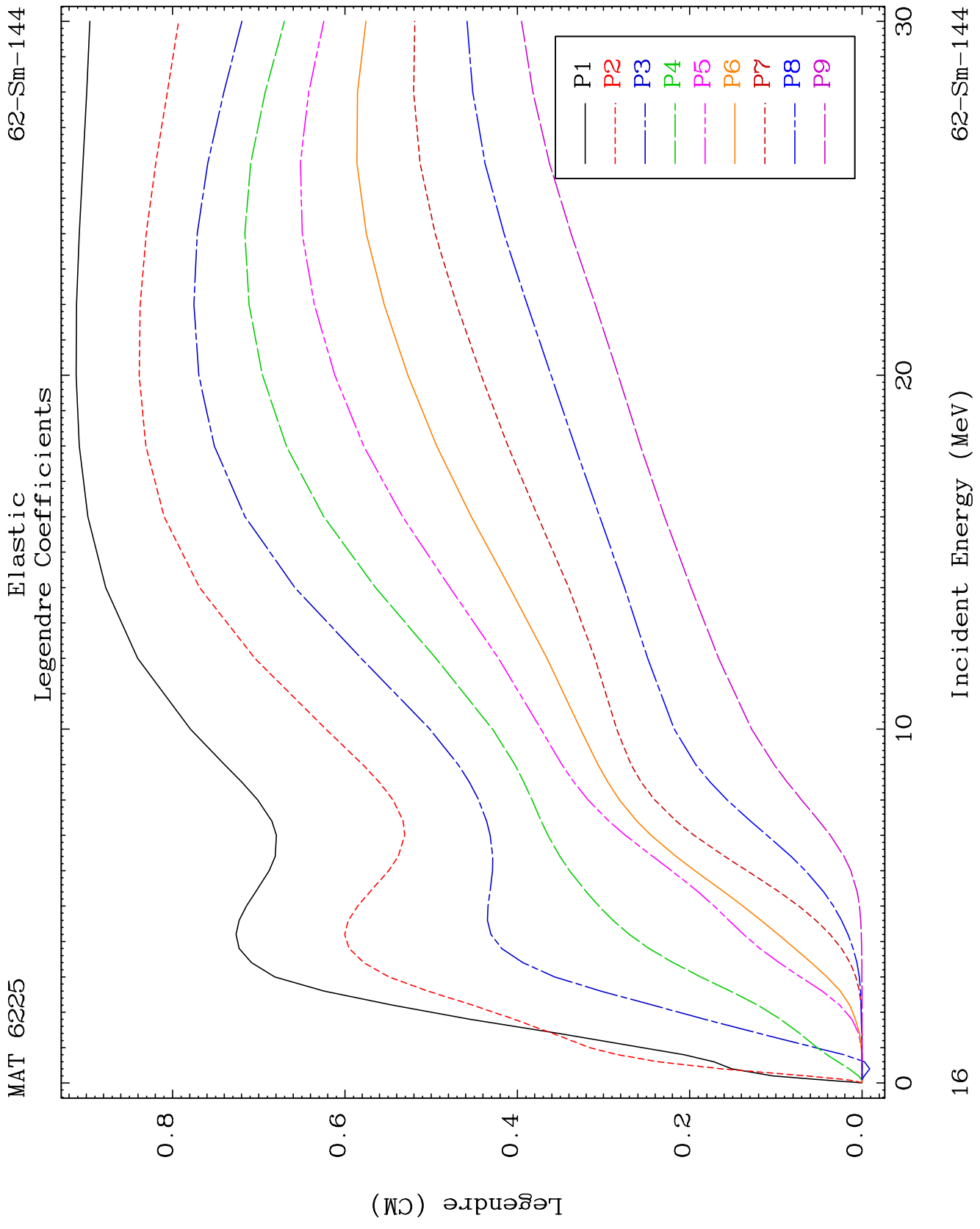
(n,α) Levels  
293 Kelvin Cross Sections

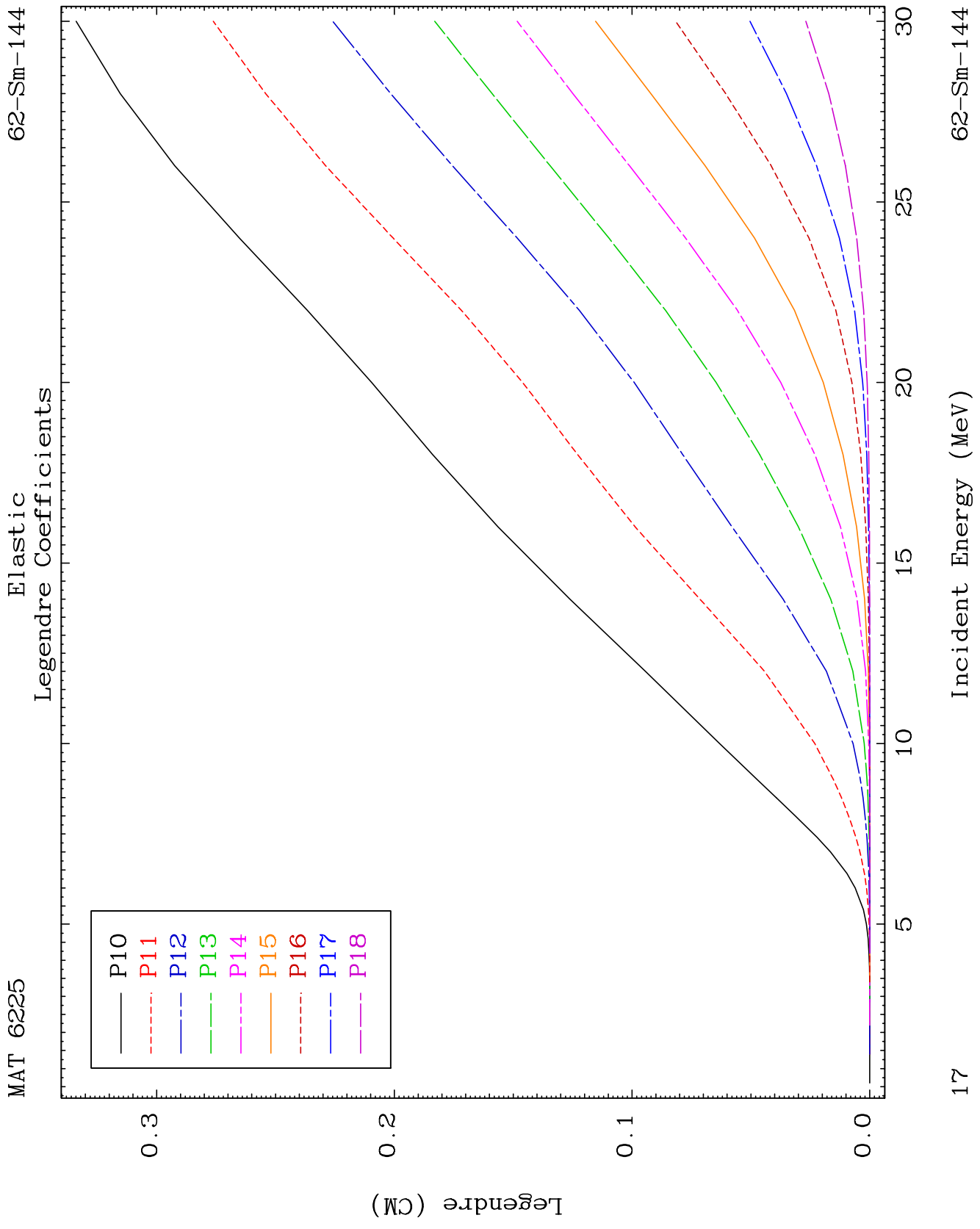
62-Sm-144







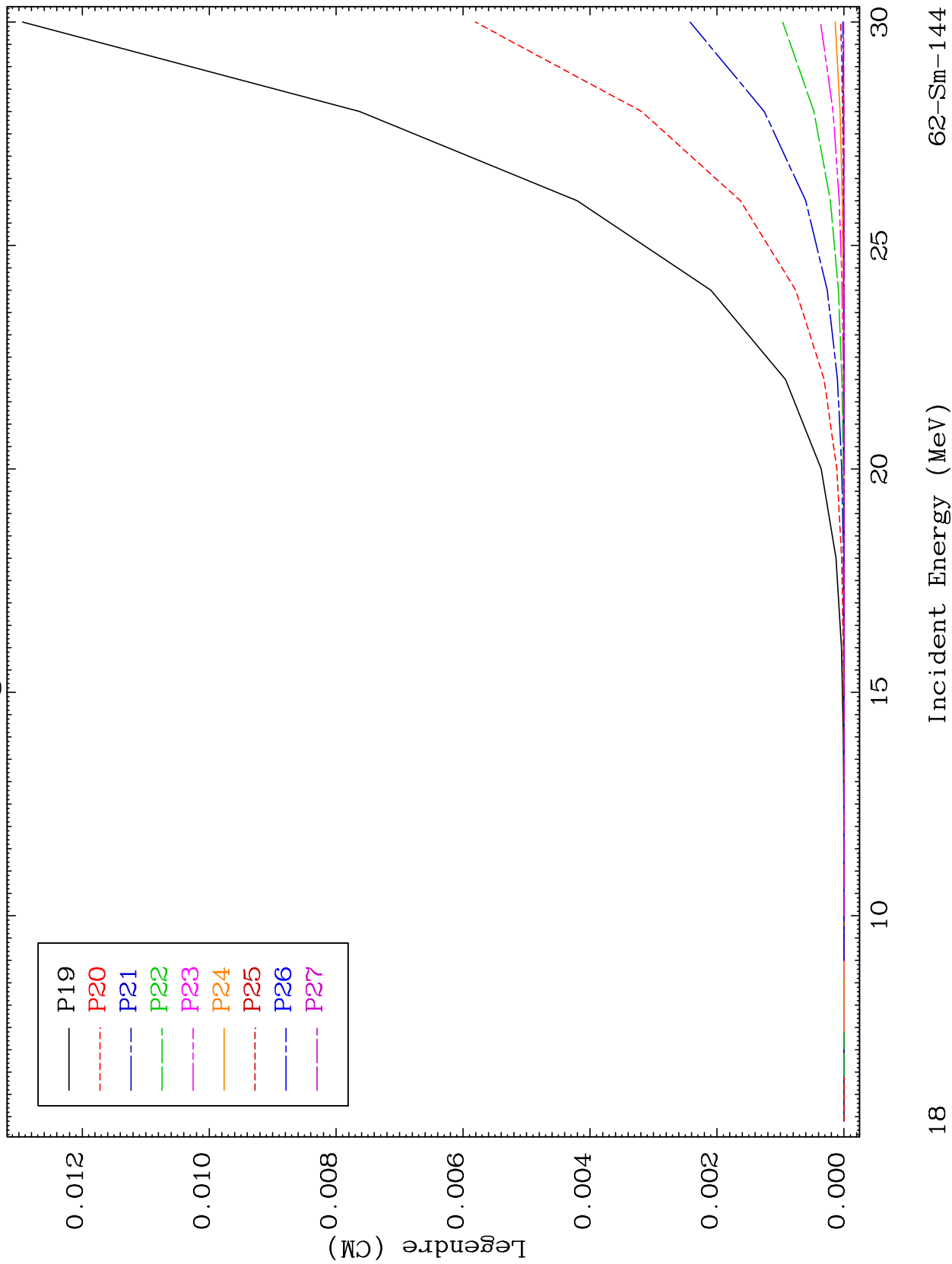




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### Elastic Legendre Coefficients

62-Sm-144



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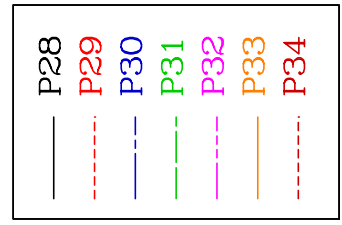
Incident Energy (MeV)

62-Sm-144

MAT 6225

Elastic Legendre Coefficients

62-Sm-144



$\times 10^{-6}$   
1.5

Legendre (CM)

1.0

0.5

0.0

10

15

20

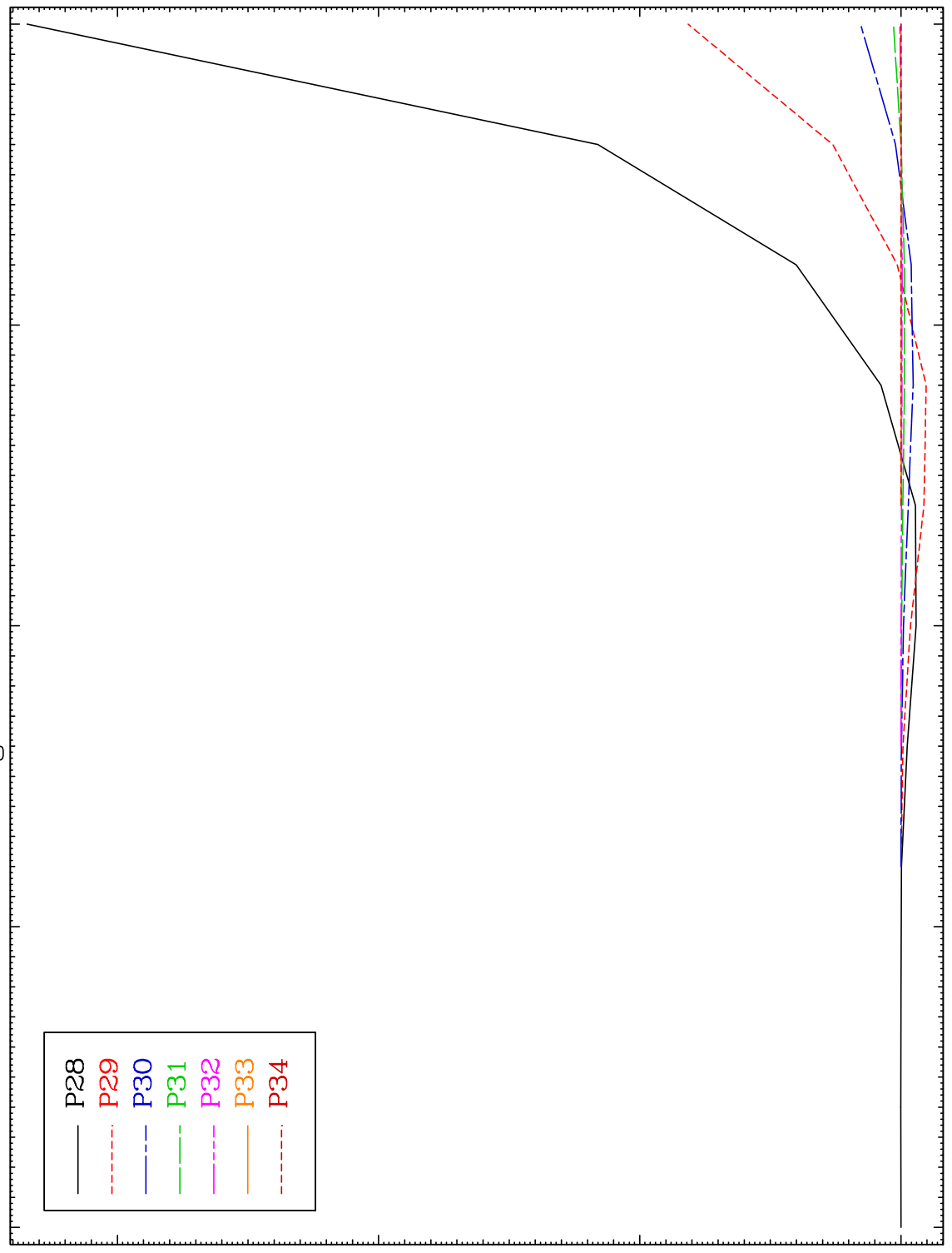
25

30

19

Incident Energy (MeV)

62-Sm-144

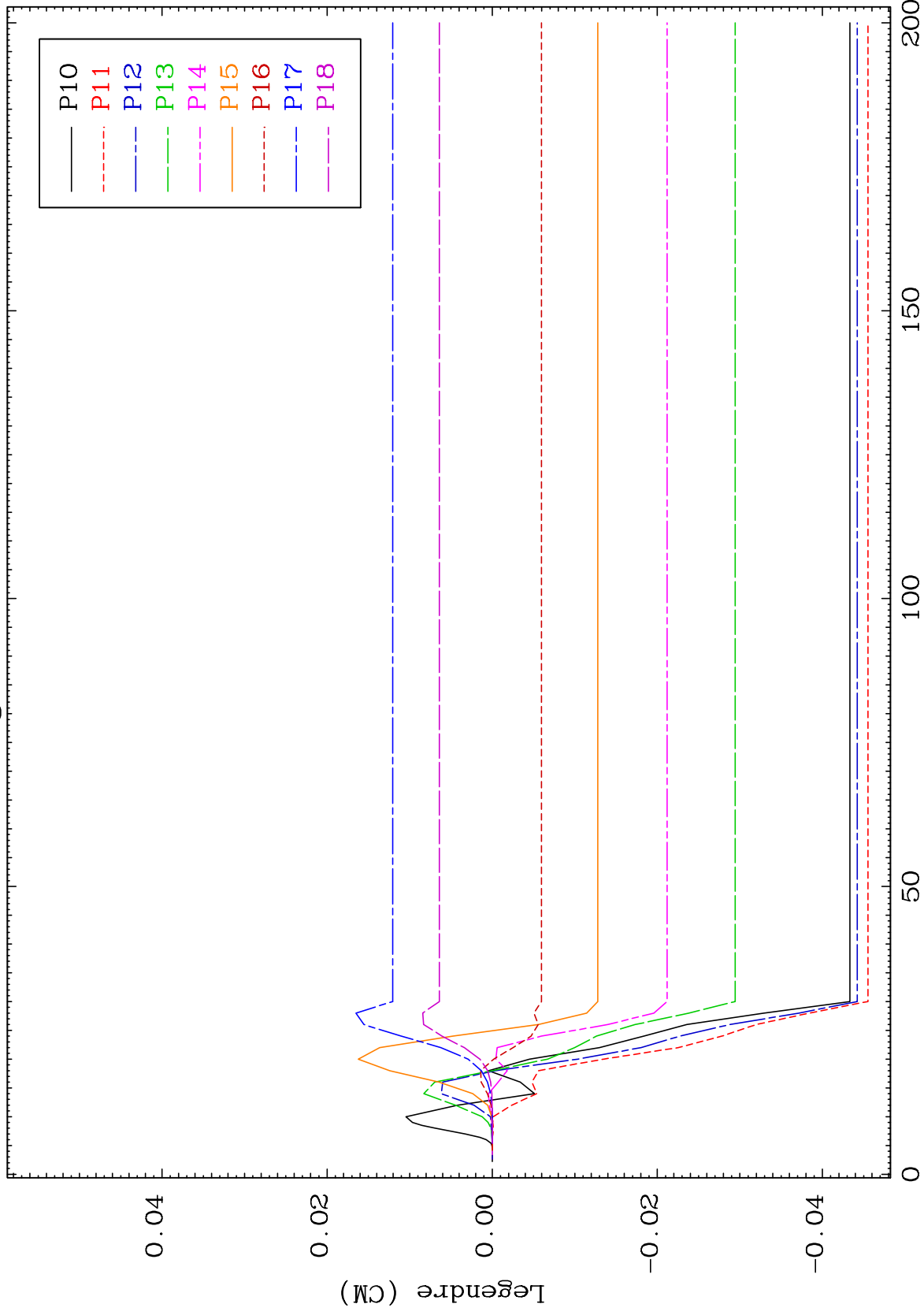




MAT 6225

1.660 MeV (n,n') Level  
Legendre Coefficients

62-Sm-144



21

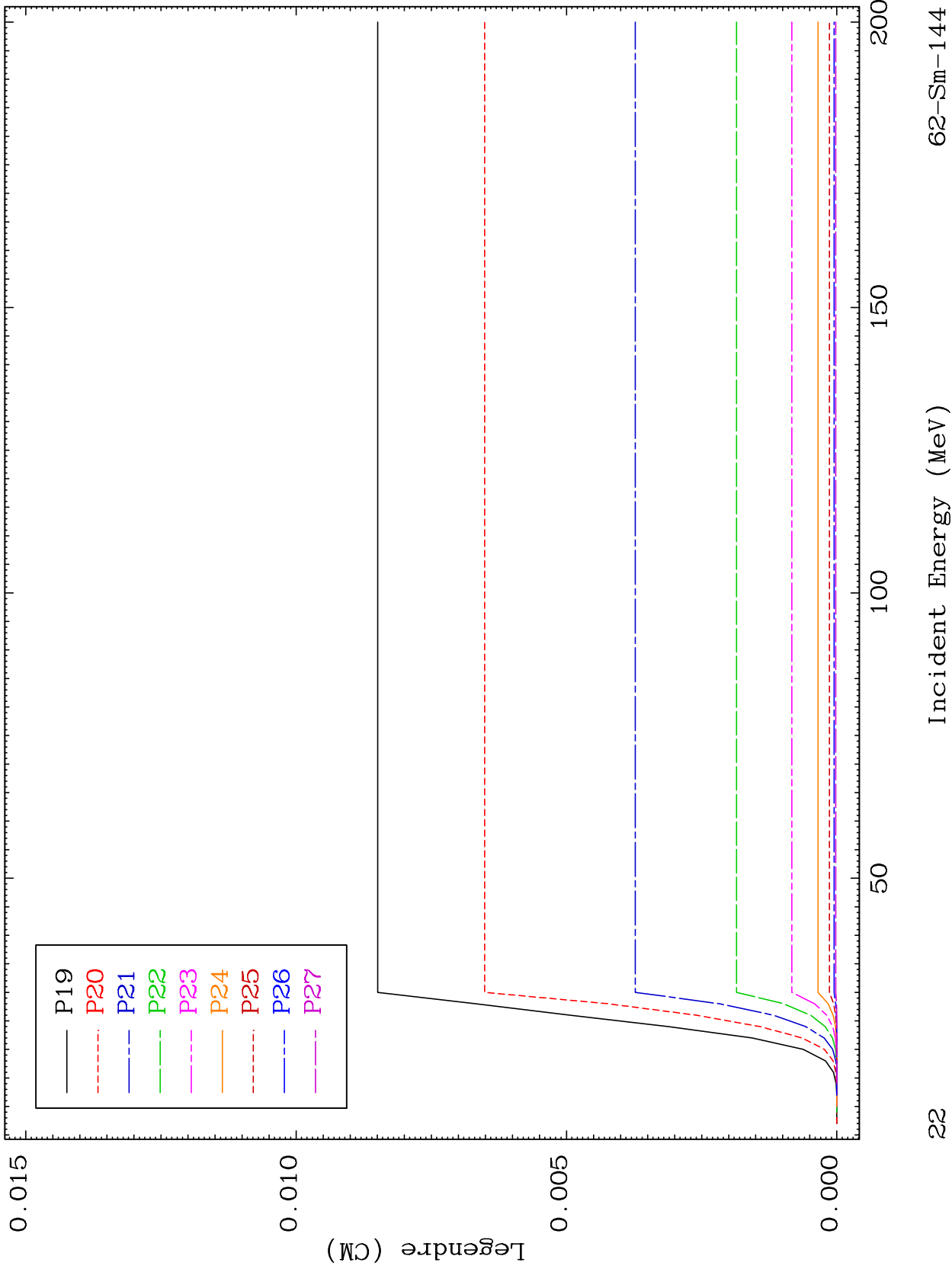
Incident Energy (MeV)

62-Sm-144

MAT 6225

1.660 MeV (n,n') Level  
Legendre Coefficients

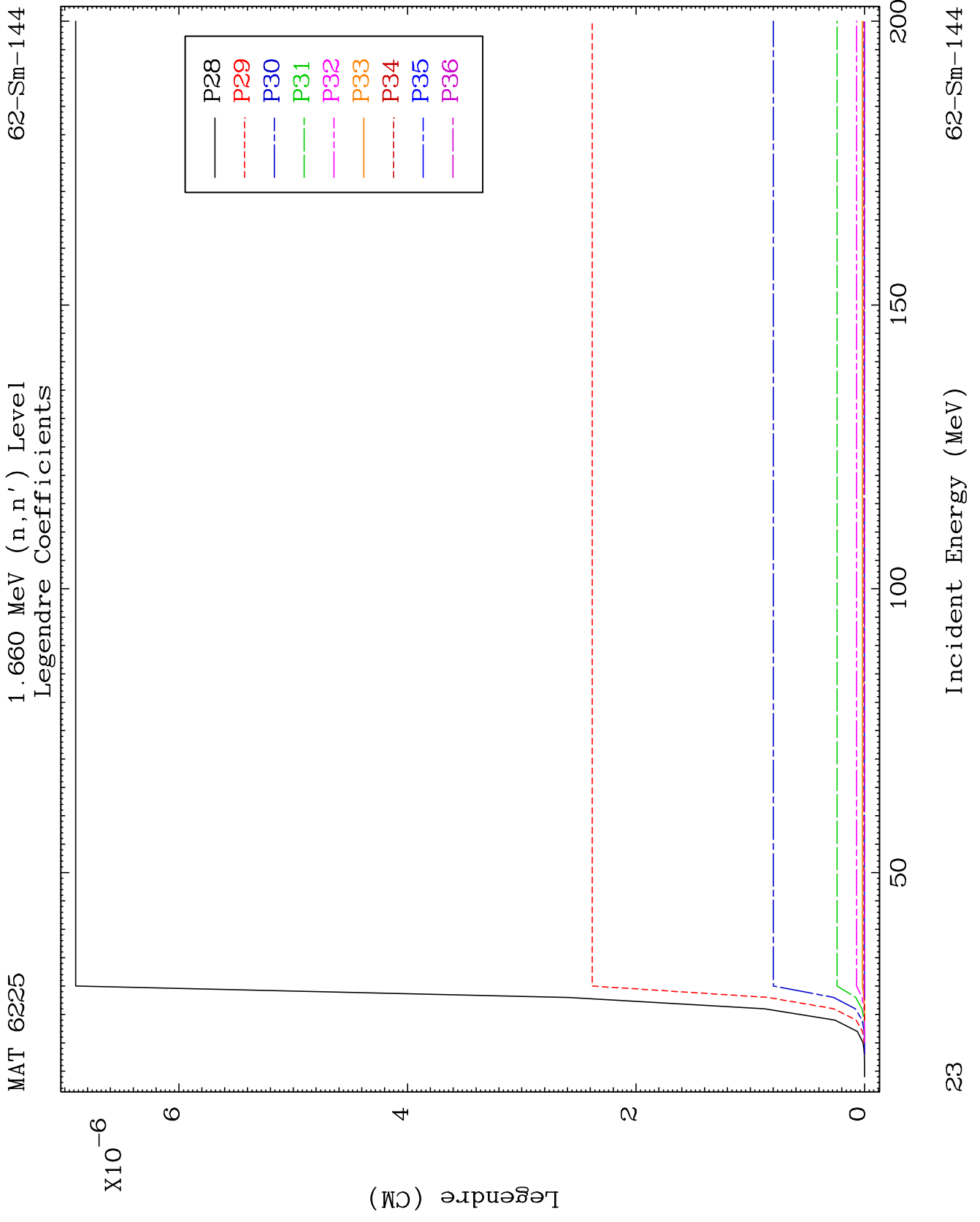
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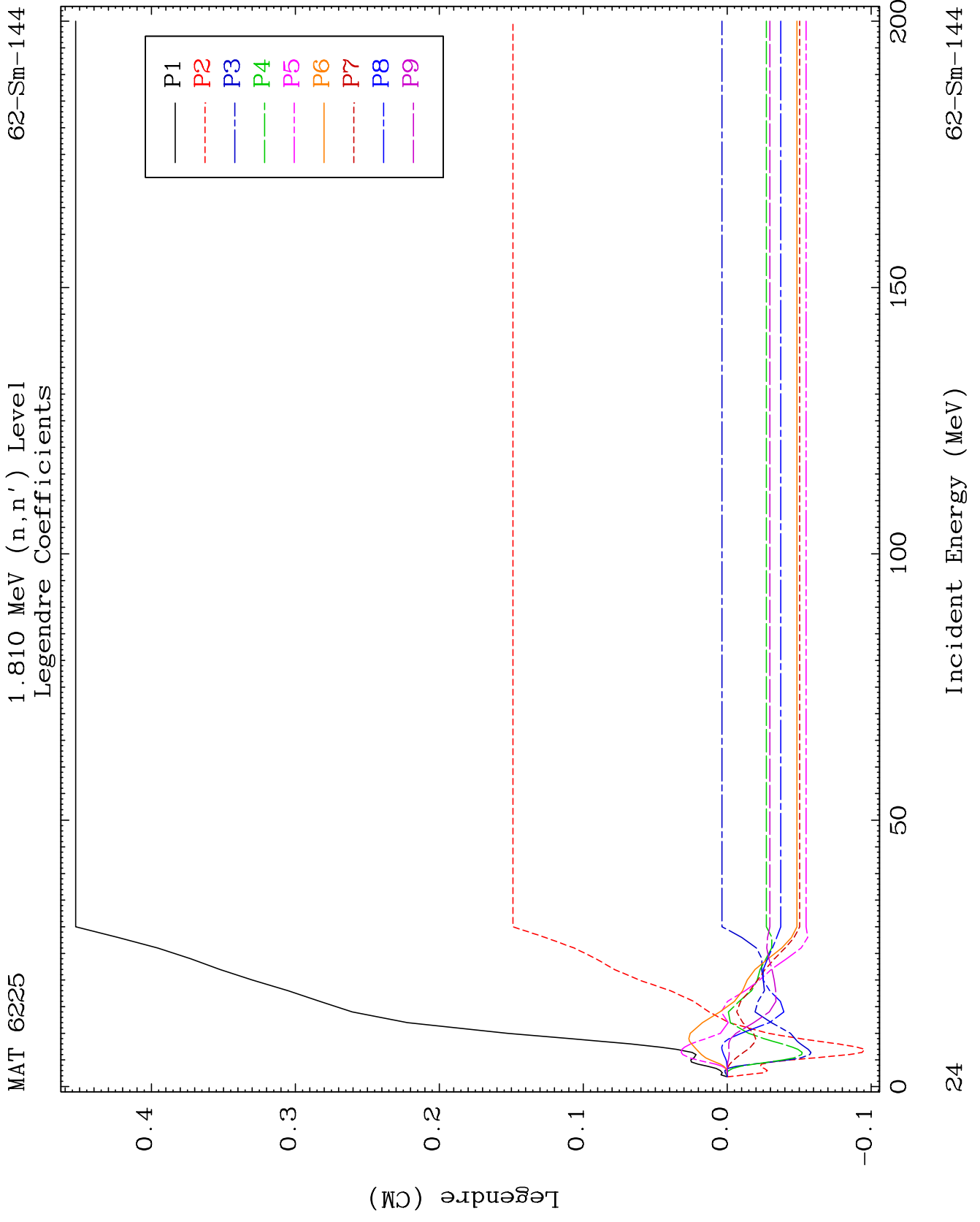
22

Incident Energy (MeV)

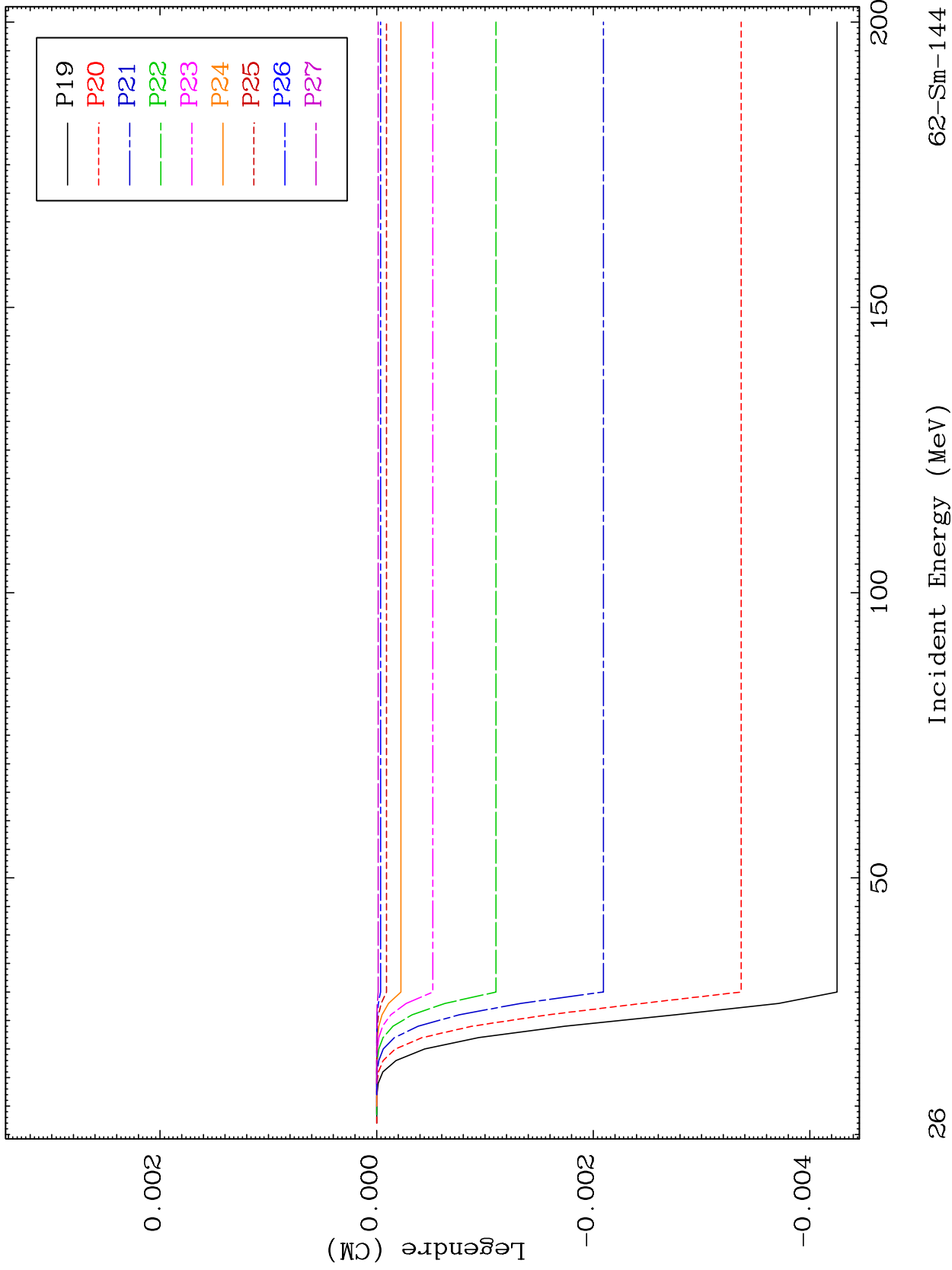
62-Sm-144

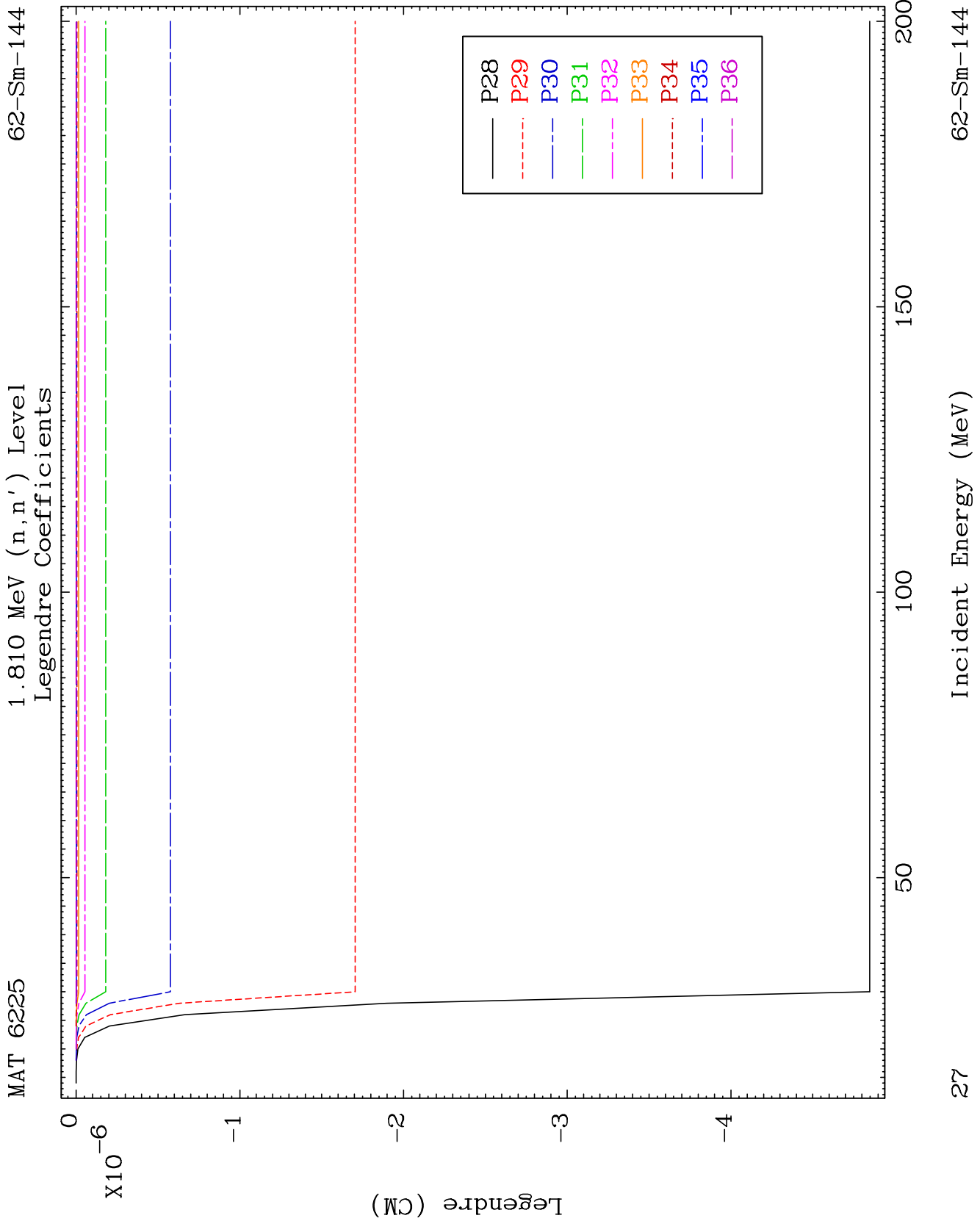




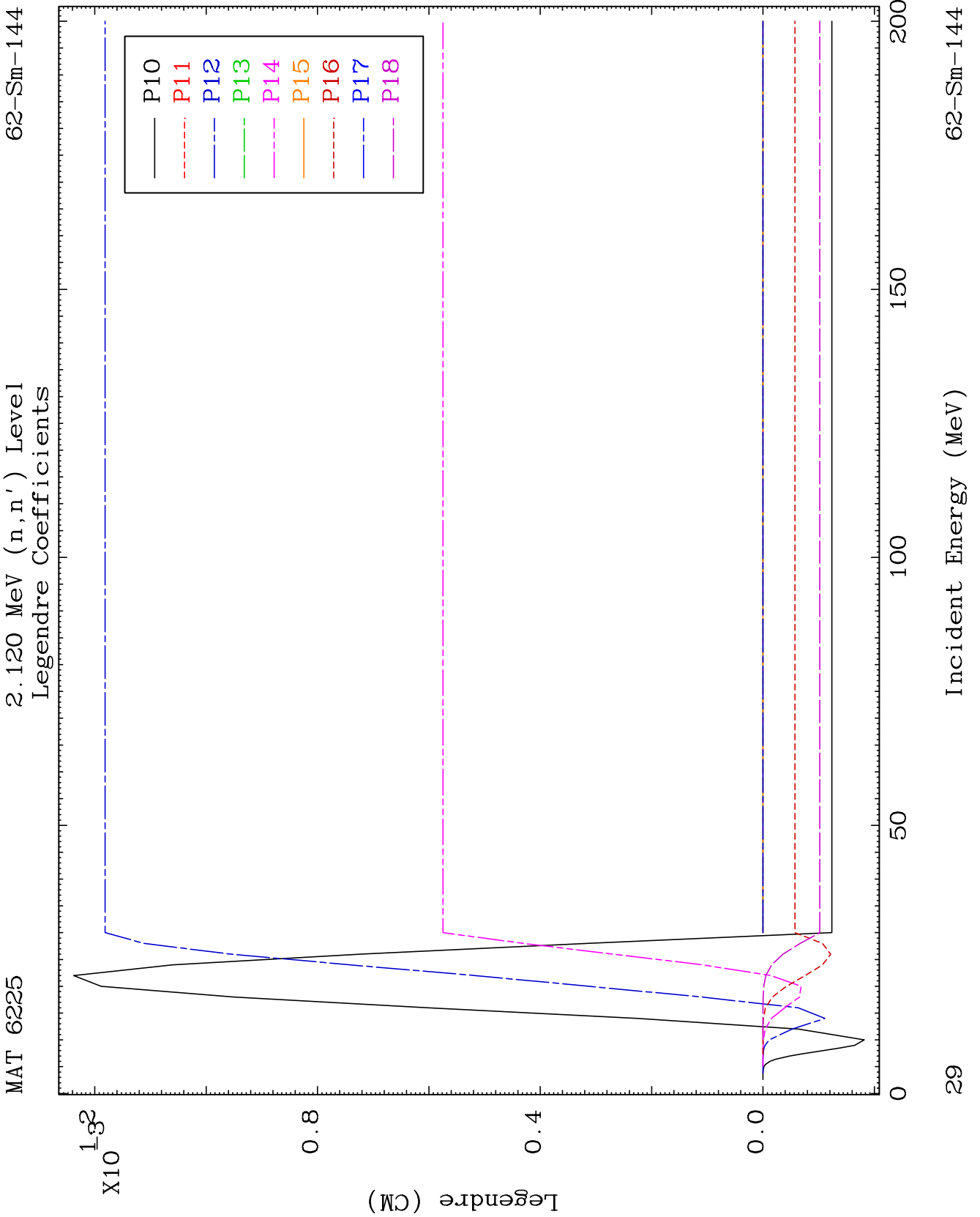


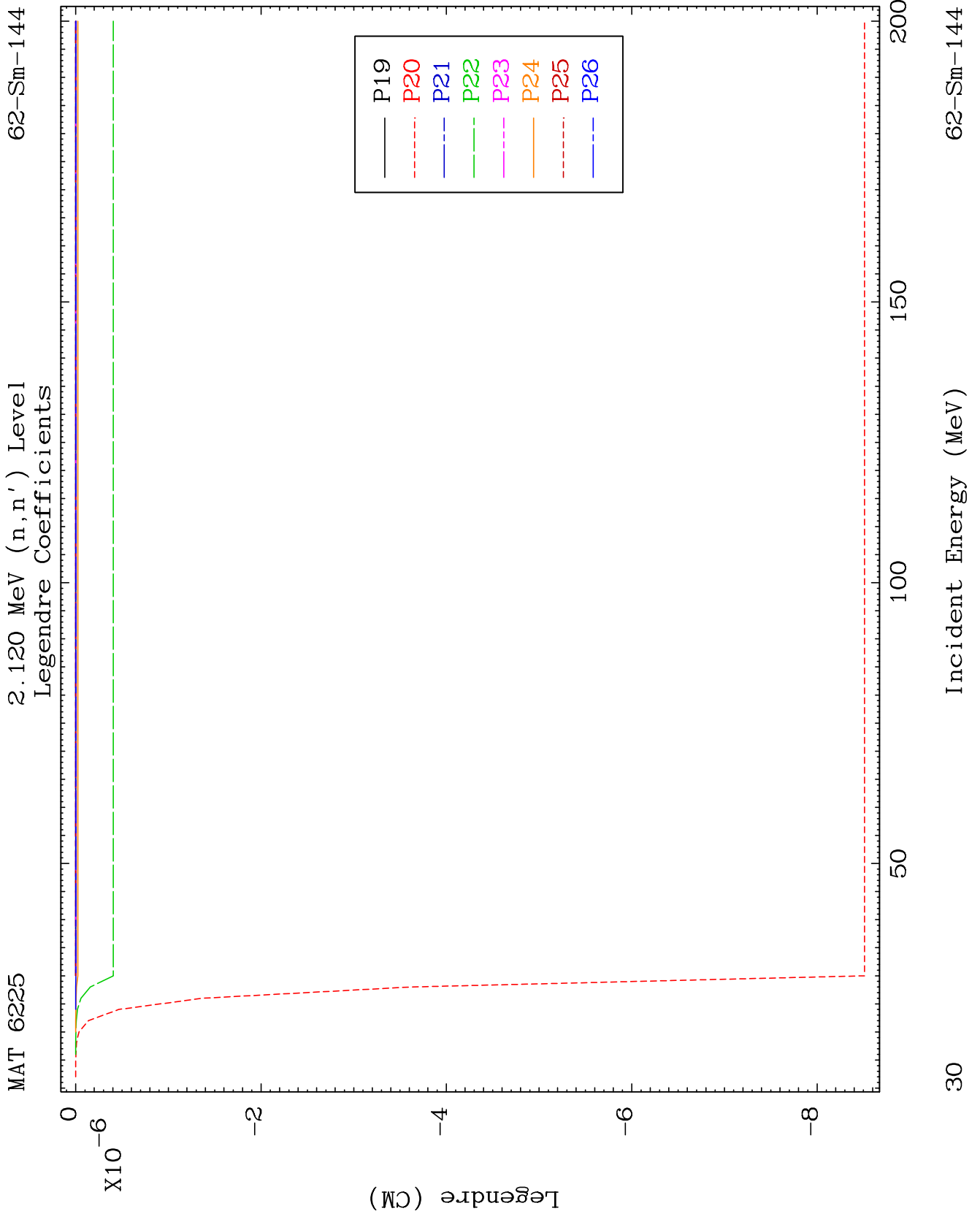








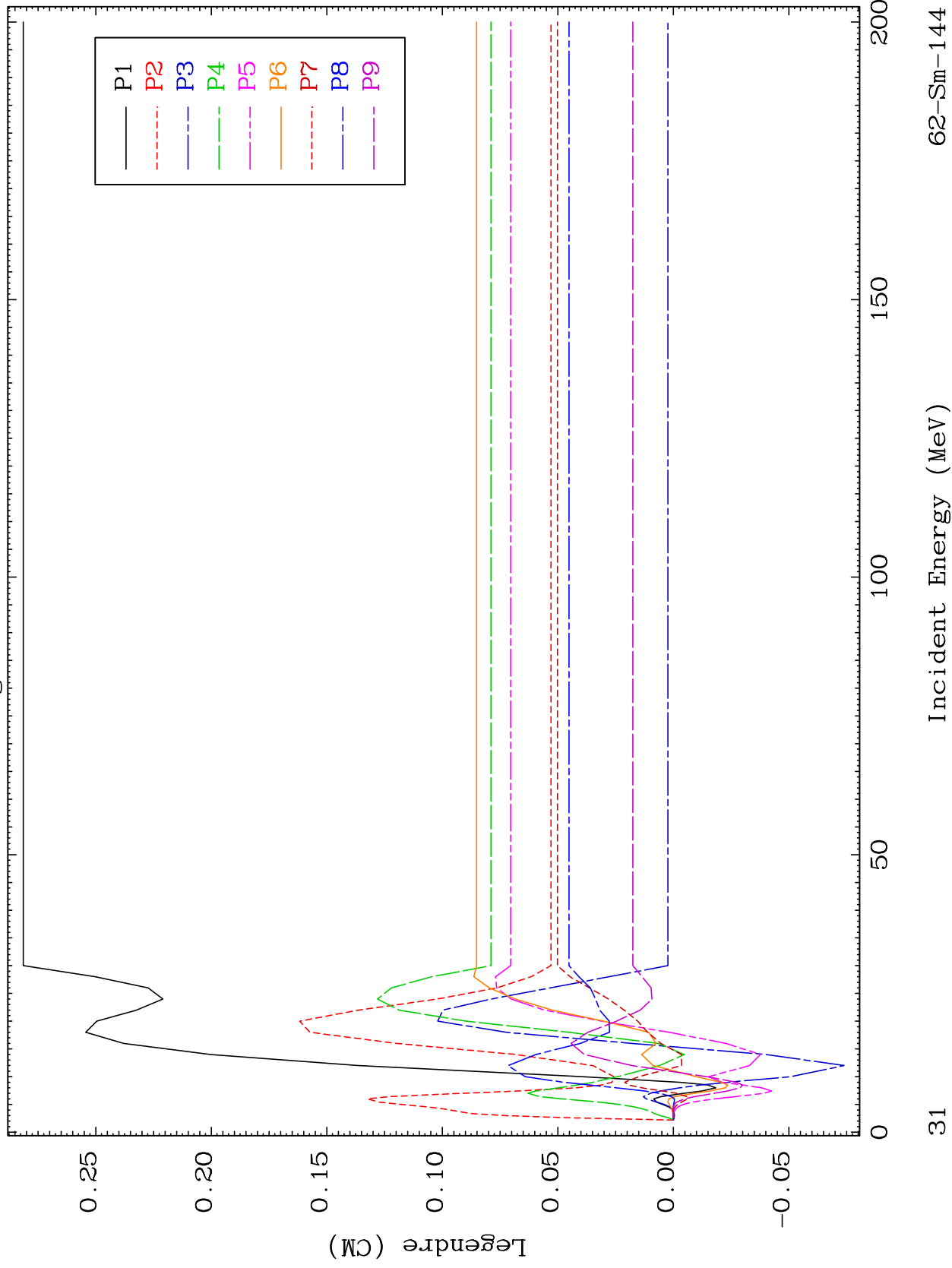




MAT 6225

2.167 MeV (n,n') Level  
Legendre Coefficients

62-Sm-144



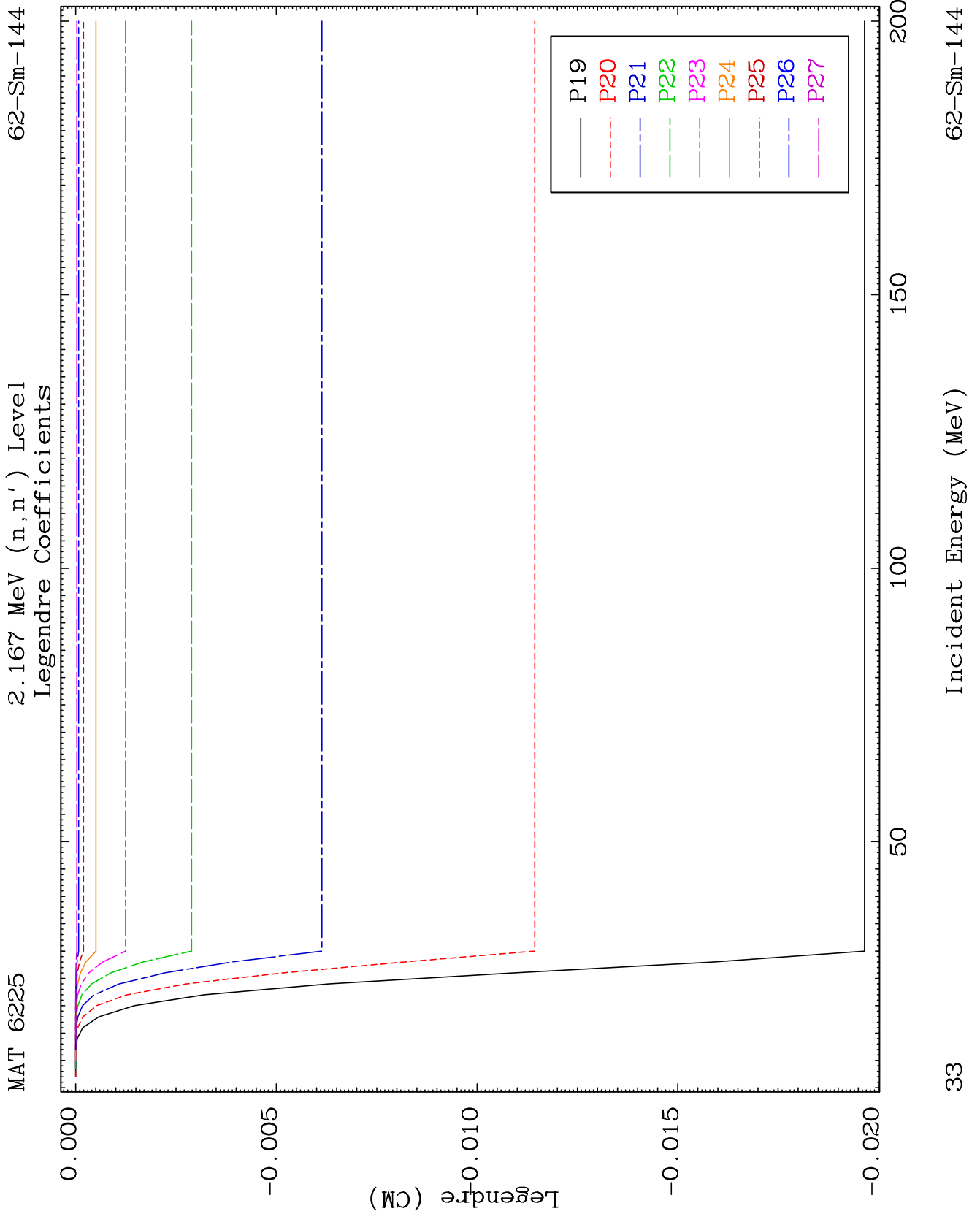
31

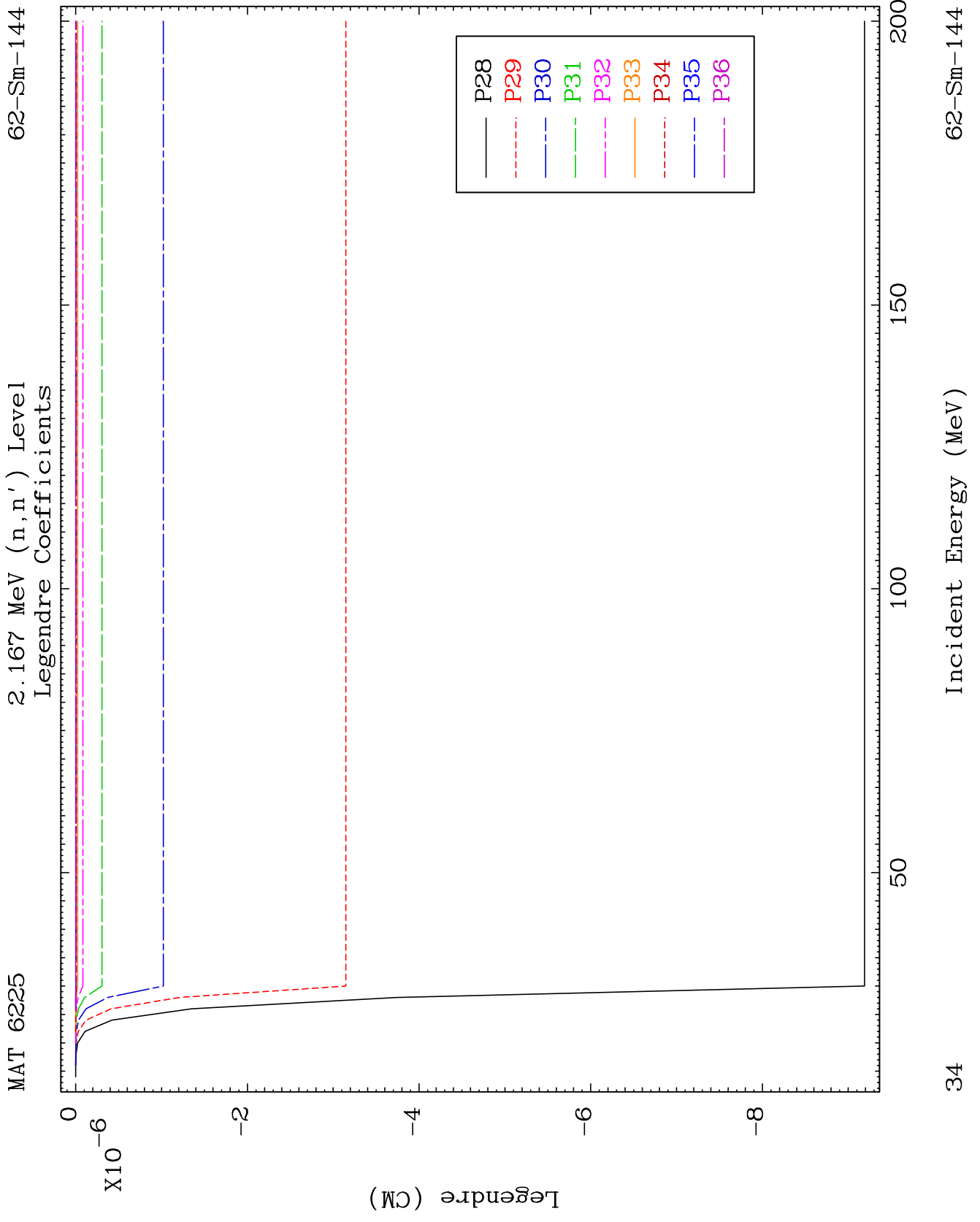
Incident Energy (MeV)

62-Sm-144







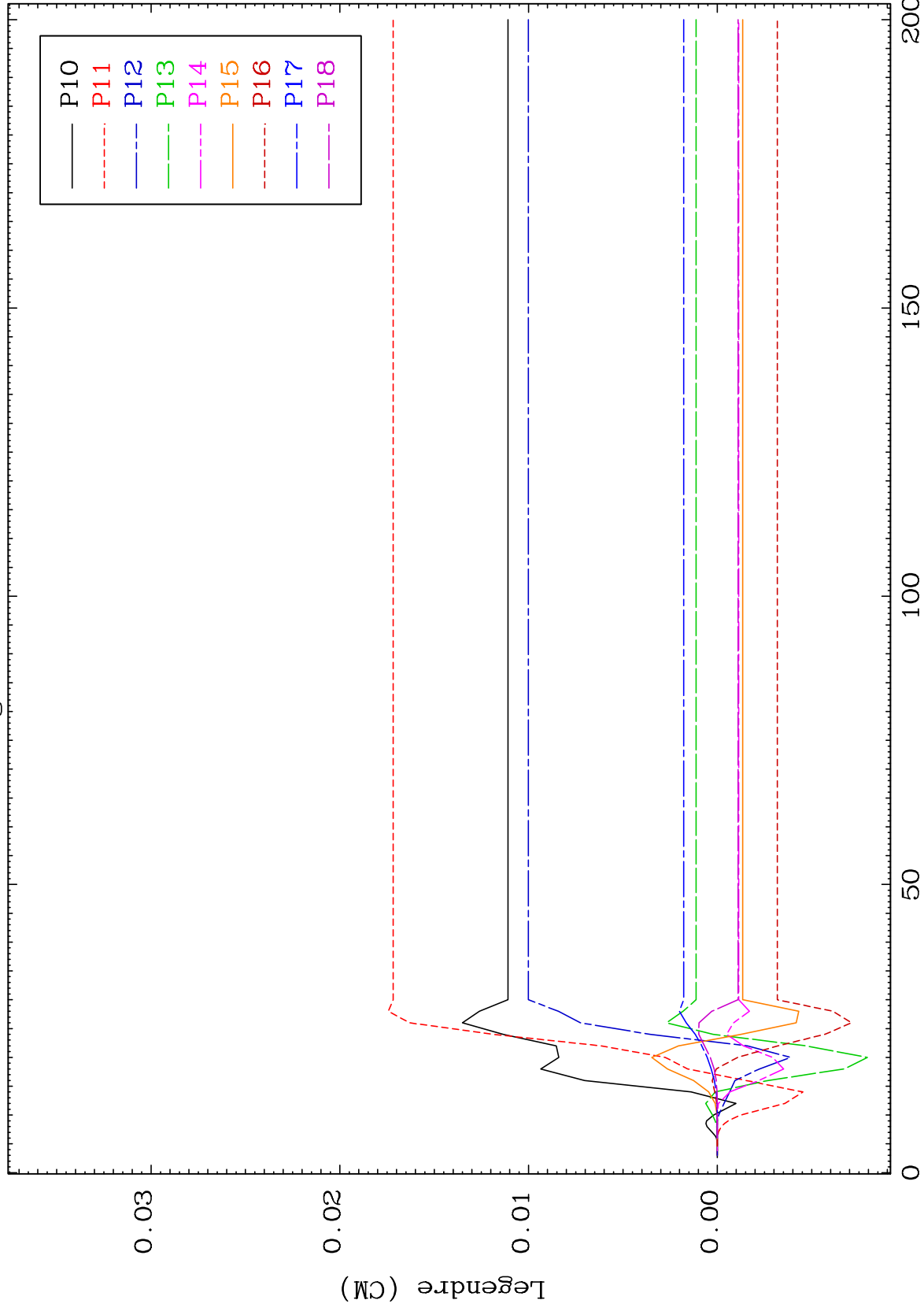




MAT 6225

2.191 MeV (n, n') Level  
Legendre Coefficients

62-Sm-144



36

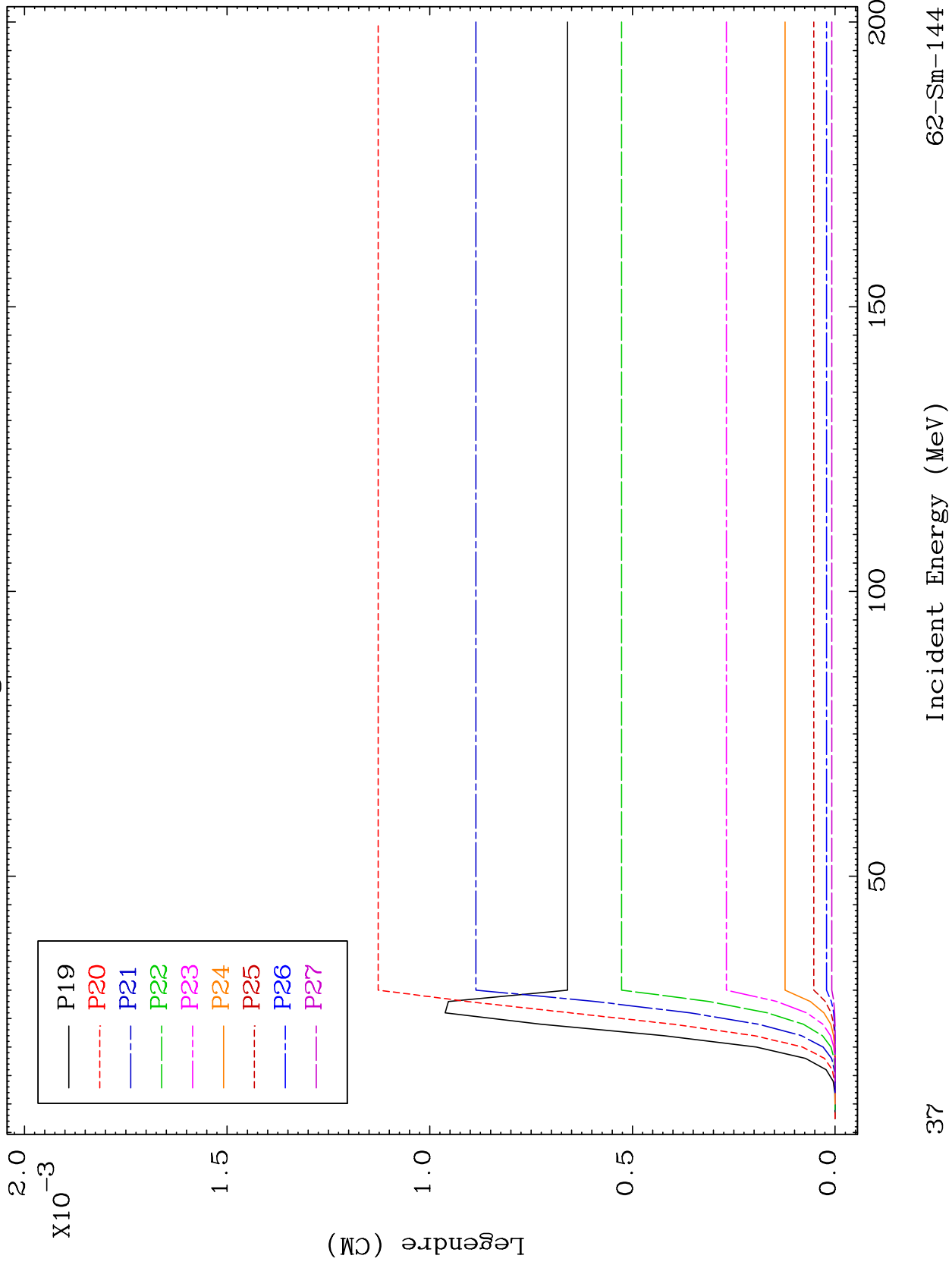
Incident Energy (MeV)

62-Sm-144

MAT 6225

2.191 MeV (n, n') Level  
Legendre Coefficients

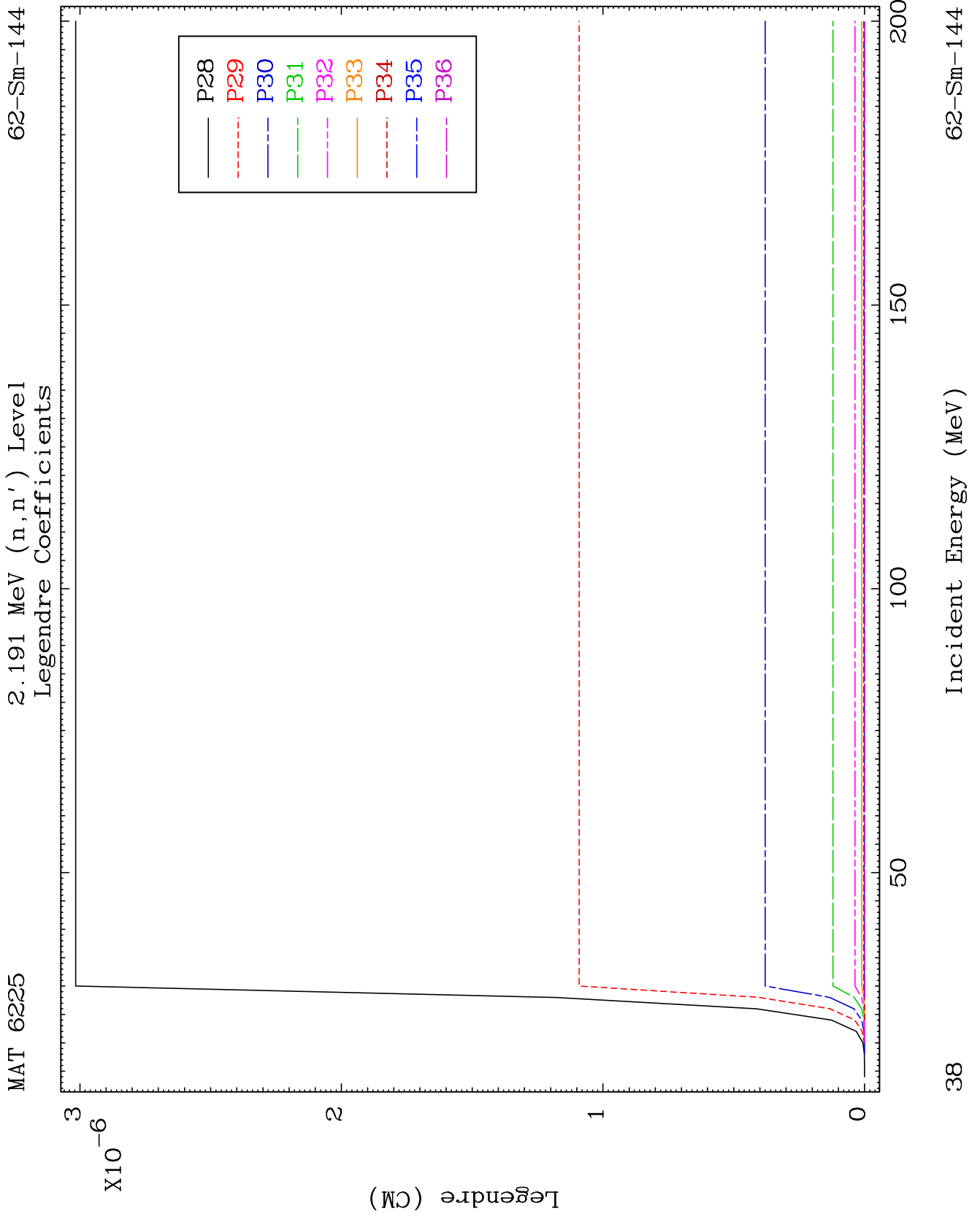
62-Sm-144



37

Incident Energy (MeV)

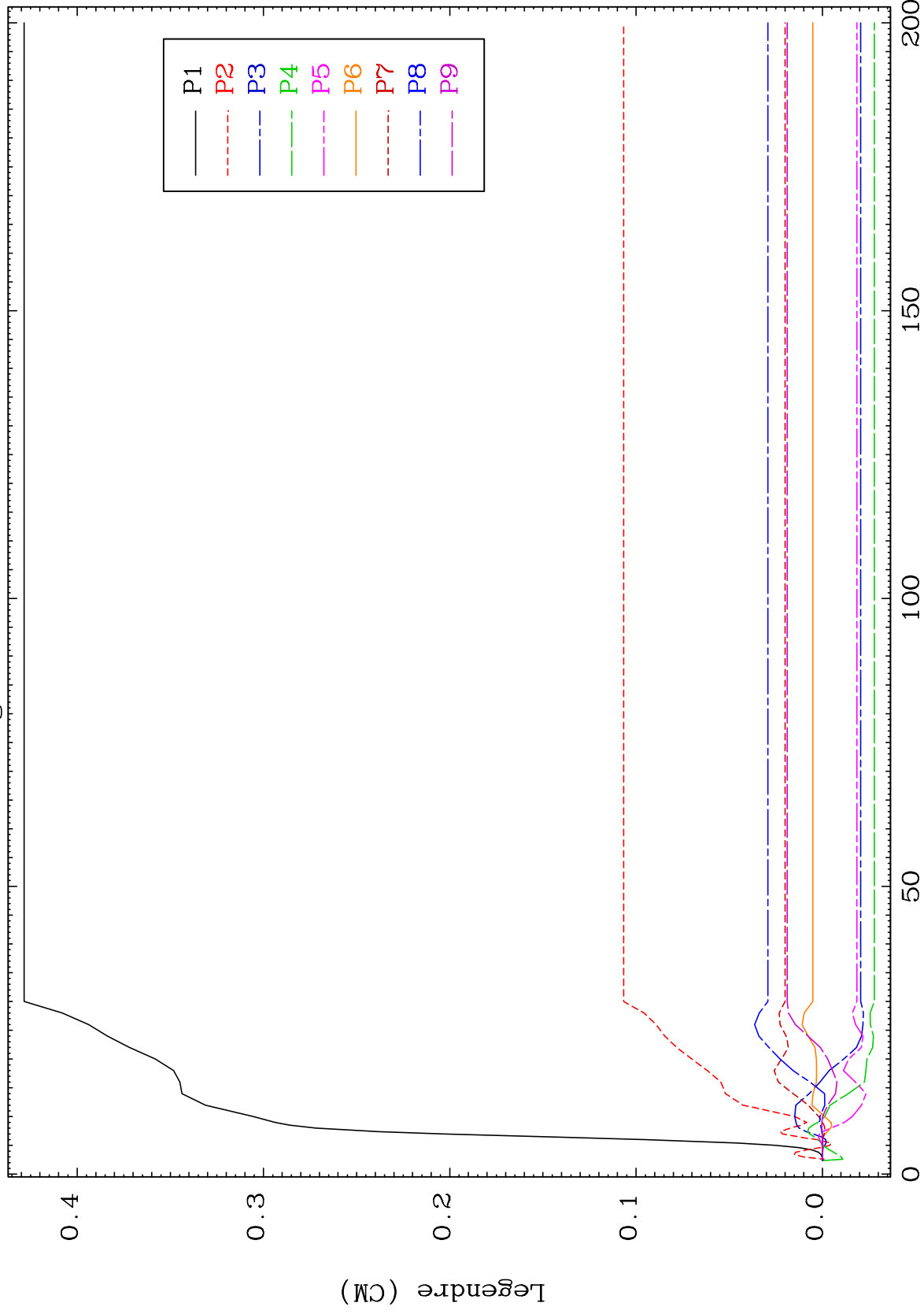
62-Sm-144



MAT 6225

2.324 MeV (n, n') Level  
Legendre Coefficients

62-Sm-144

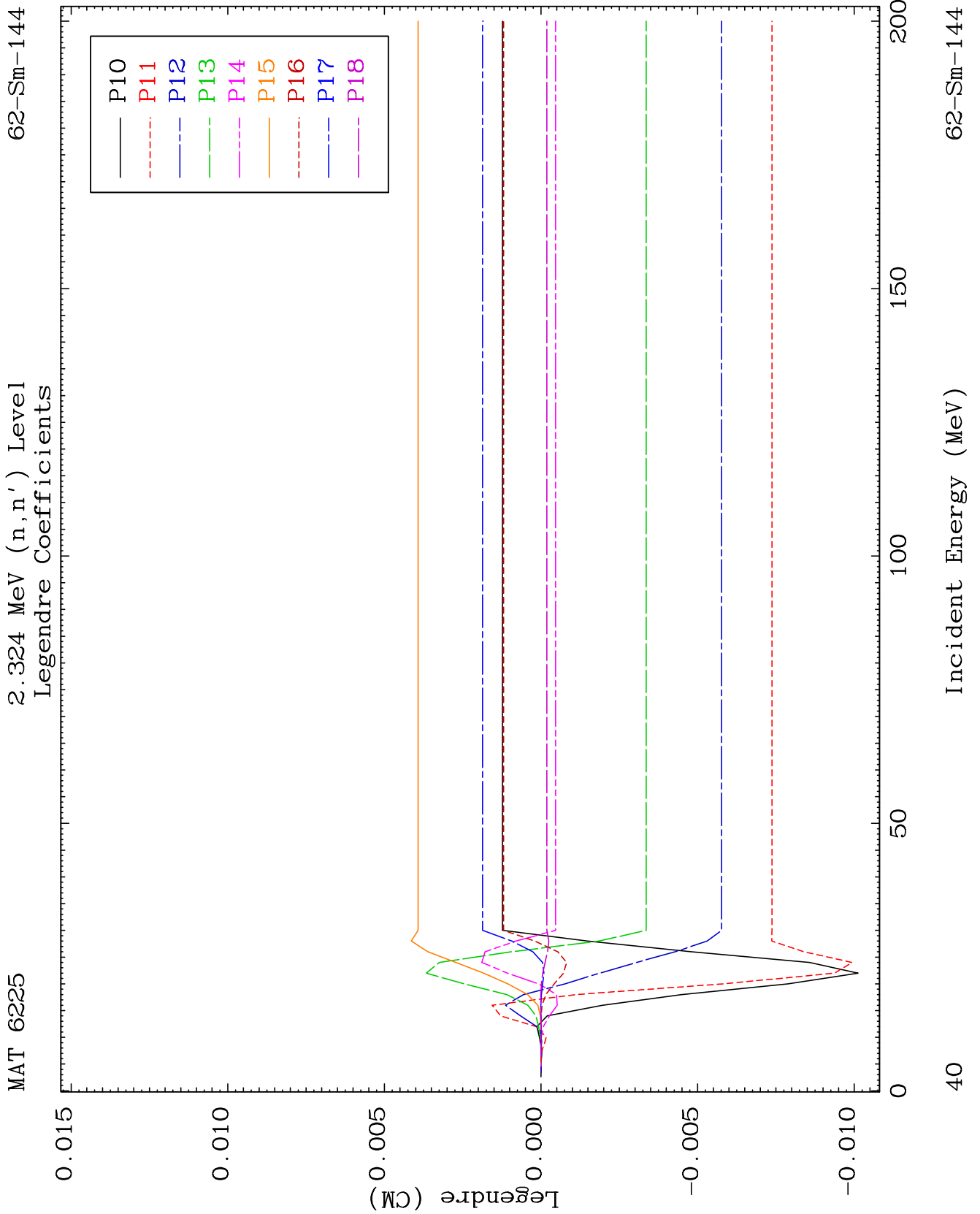


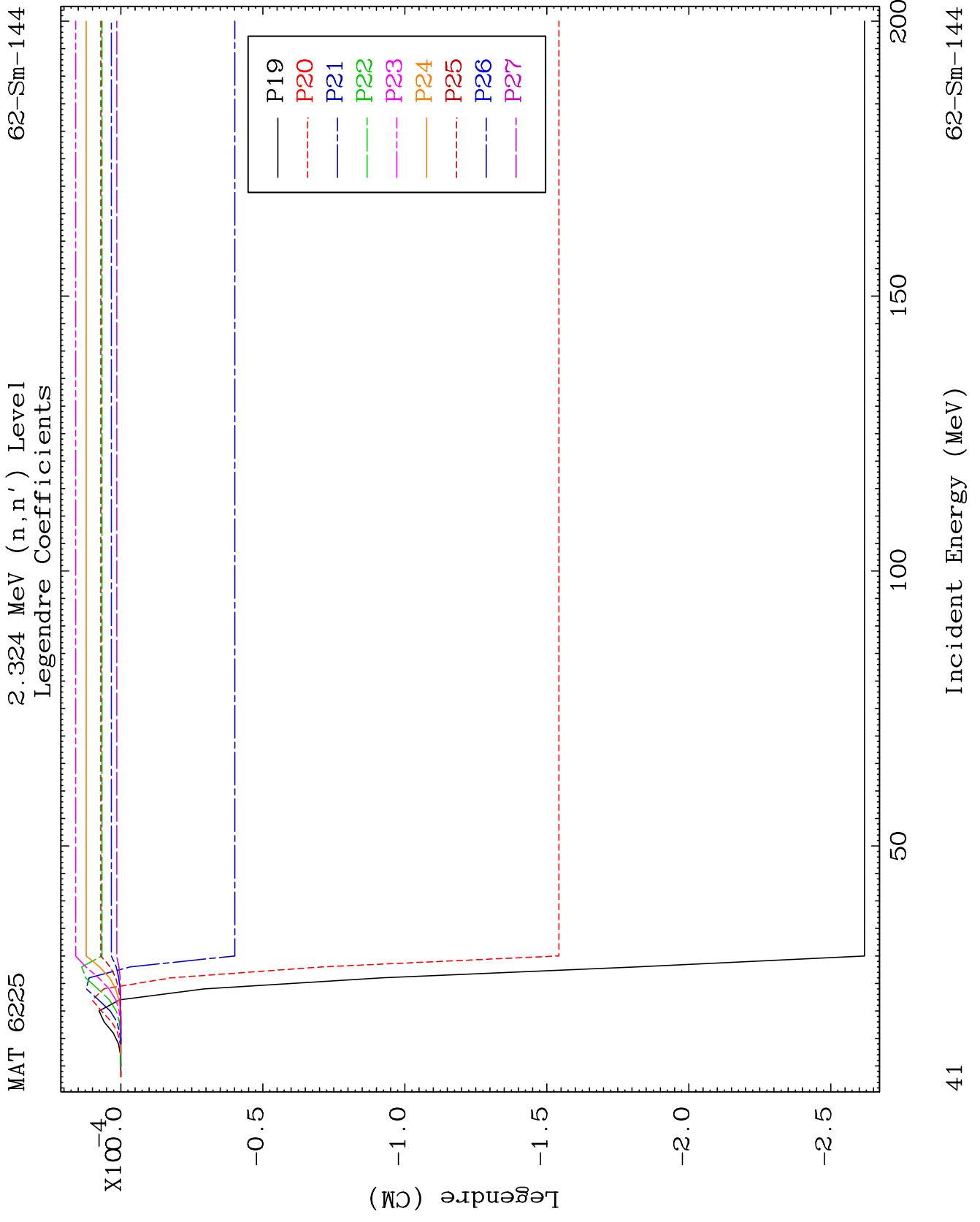
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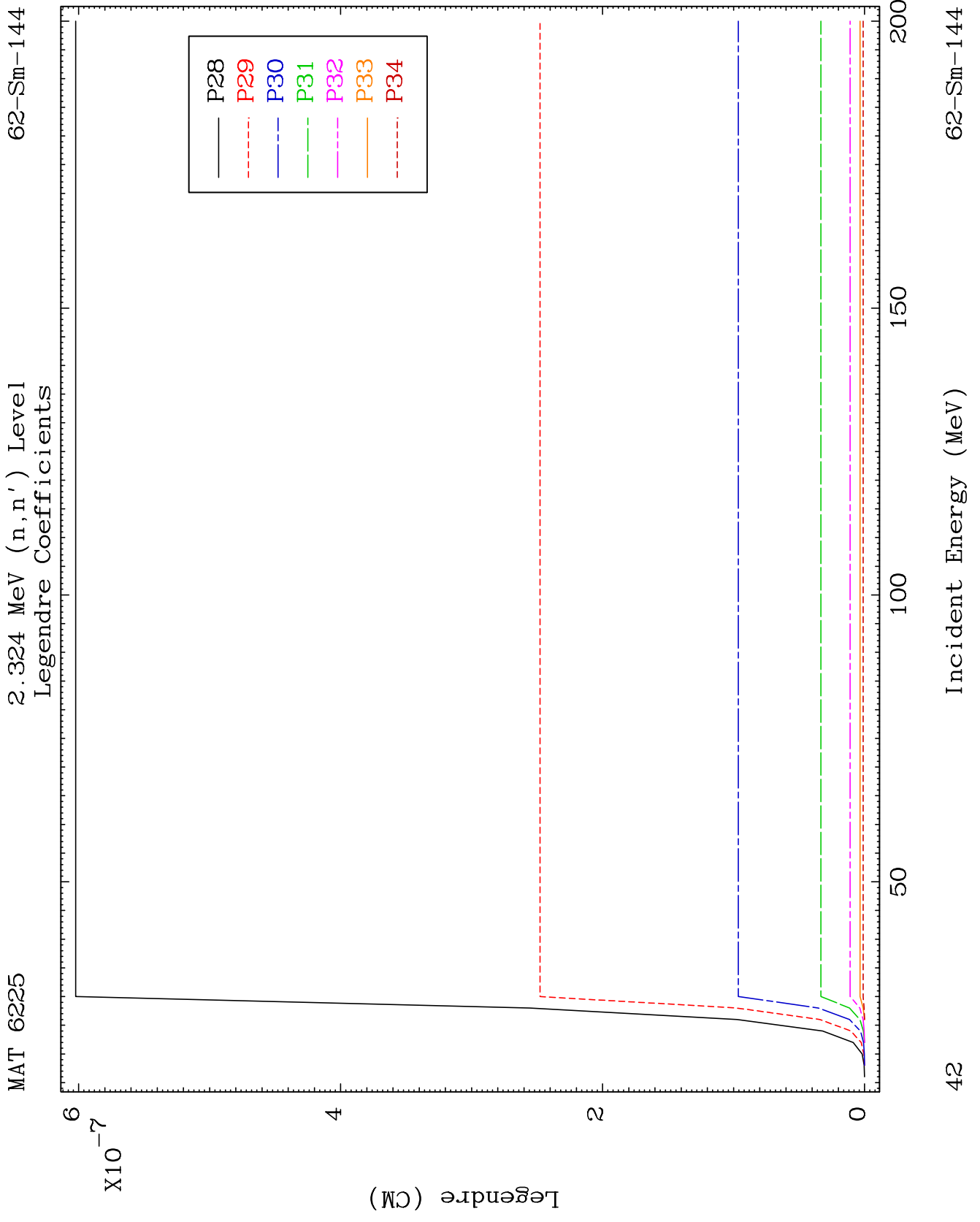
Incident Energy (MeV)

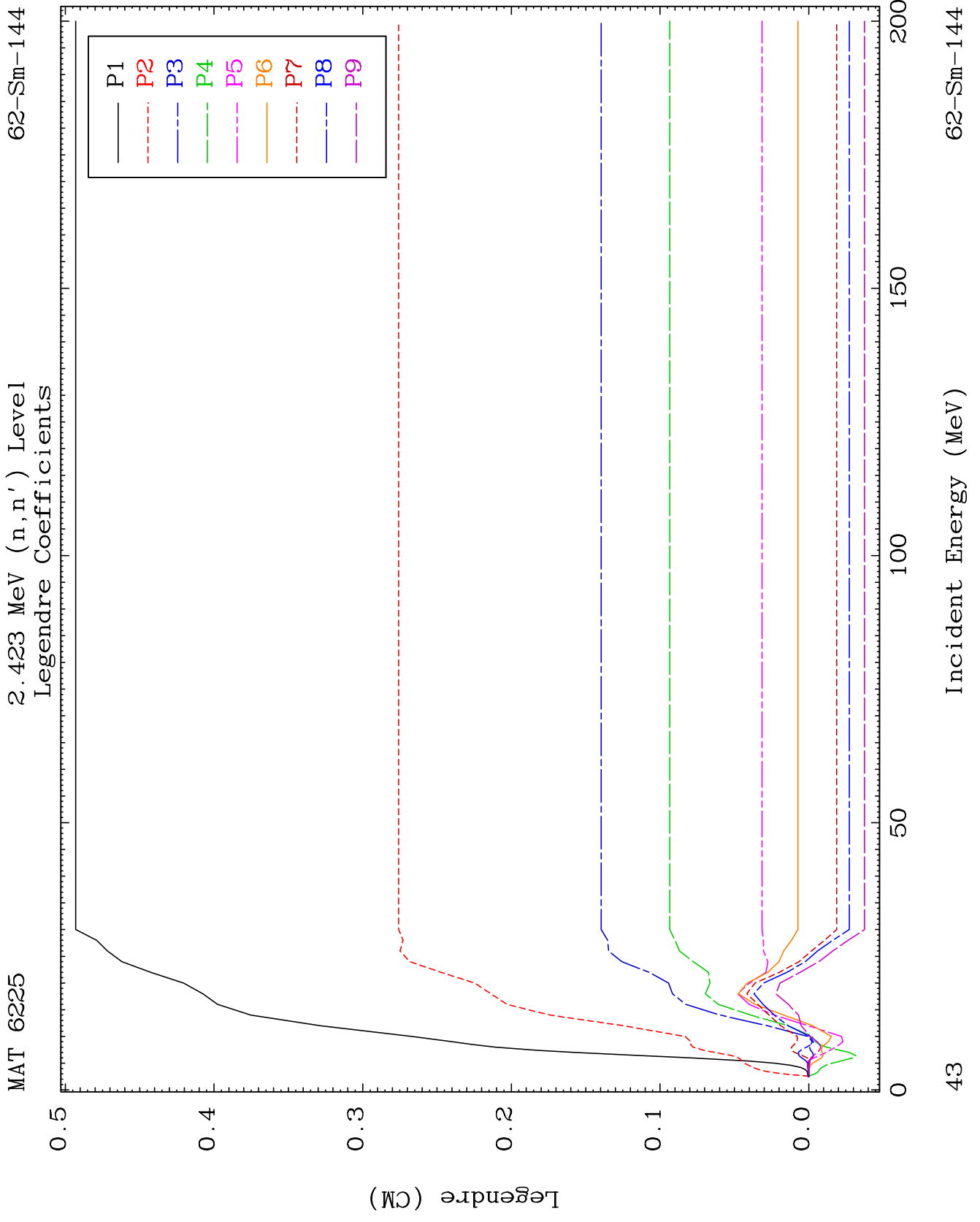
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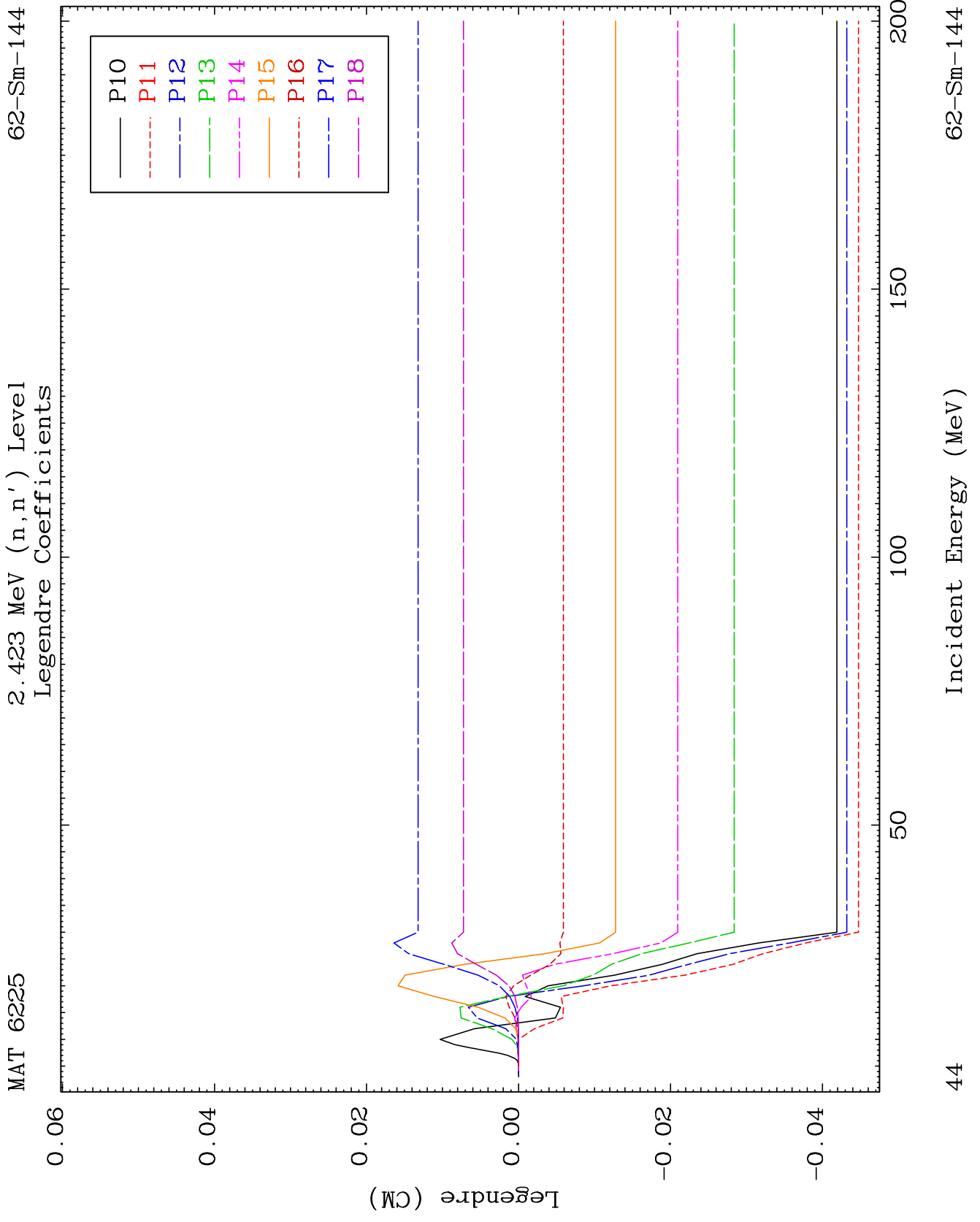








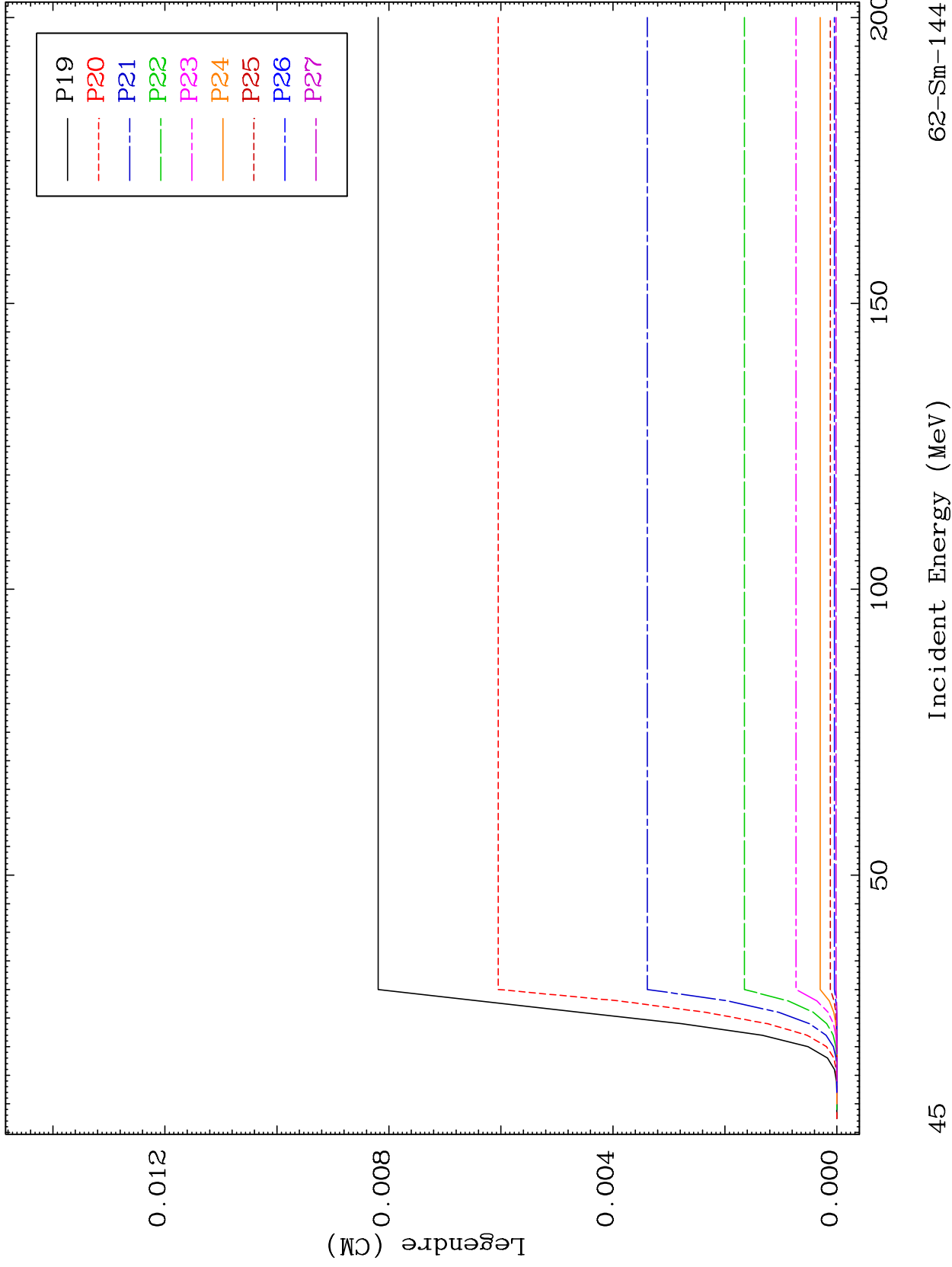




MAT 6225

2.423 MeV (n,n') Level  
Legendre Coefficients

62-Sm-144



62-Sm-144

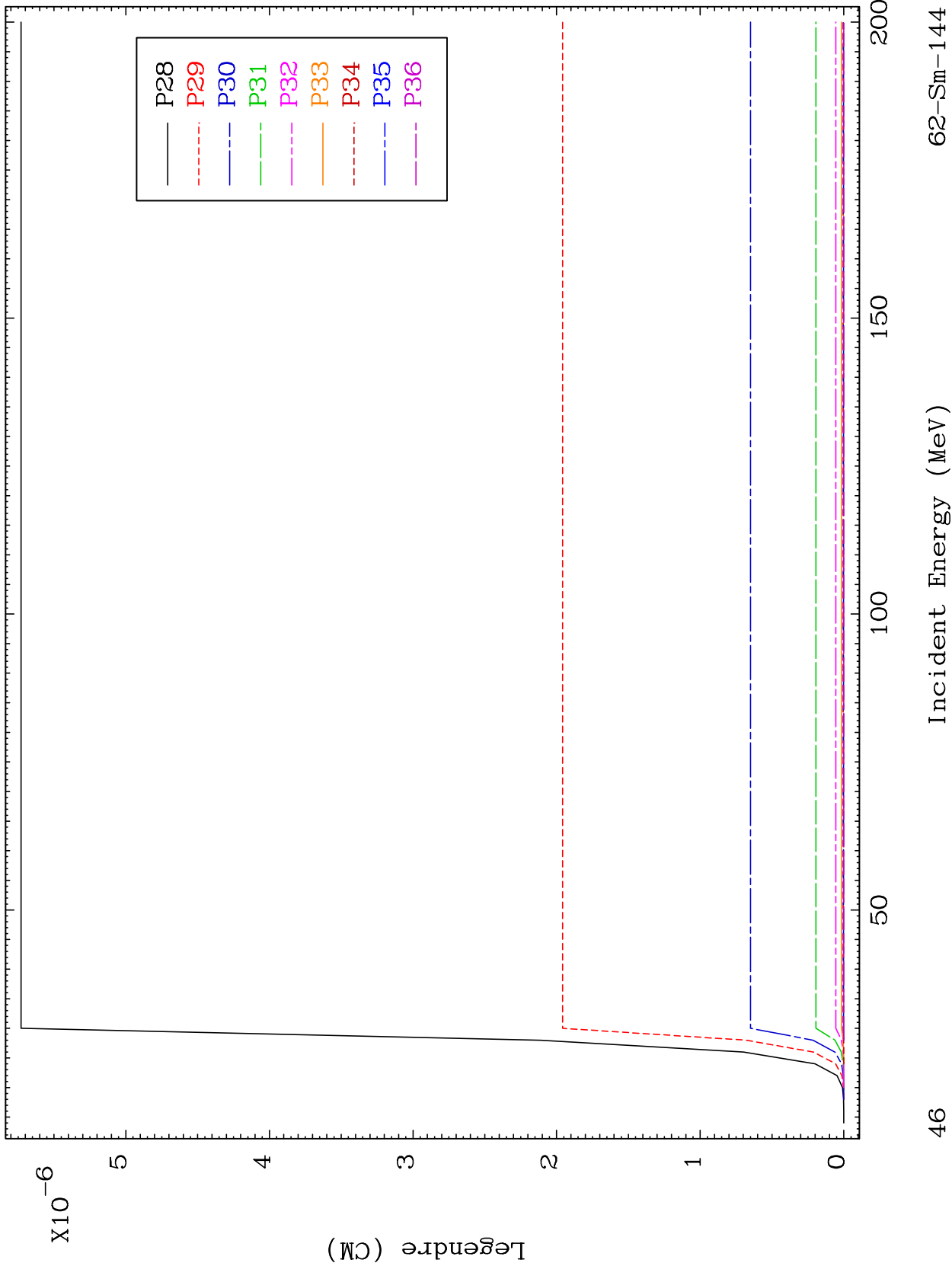
Incident Energy (MeV)

45

MAT 6225

2.423 MeV (n,n') Level  
Legendre Coefficients

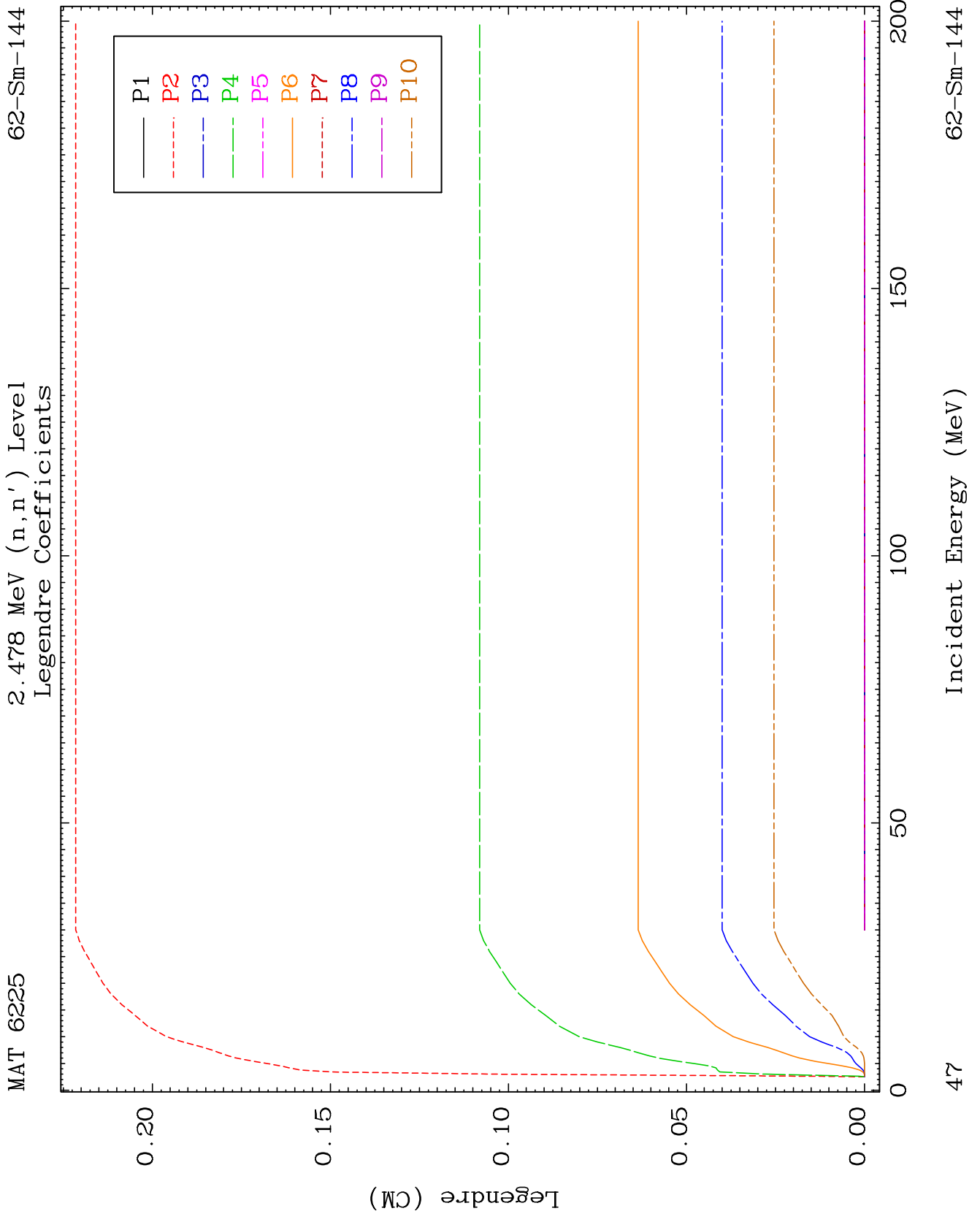
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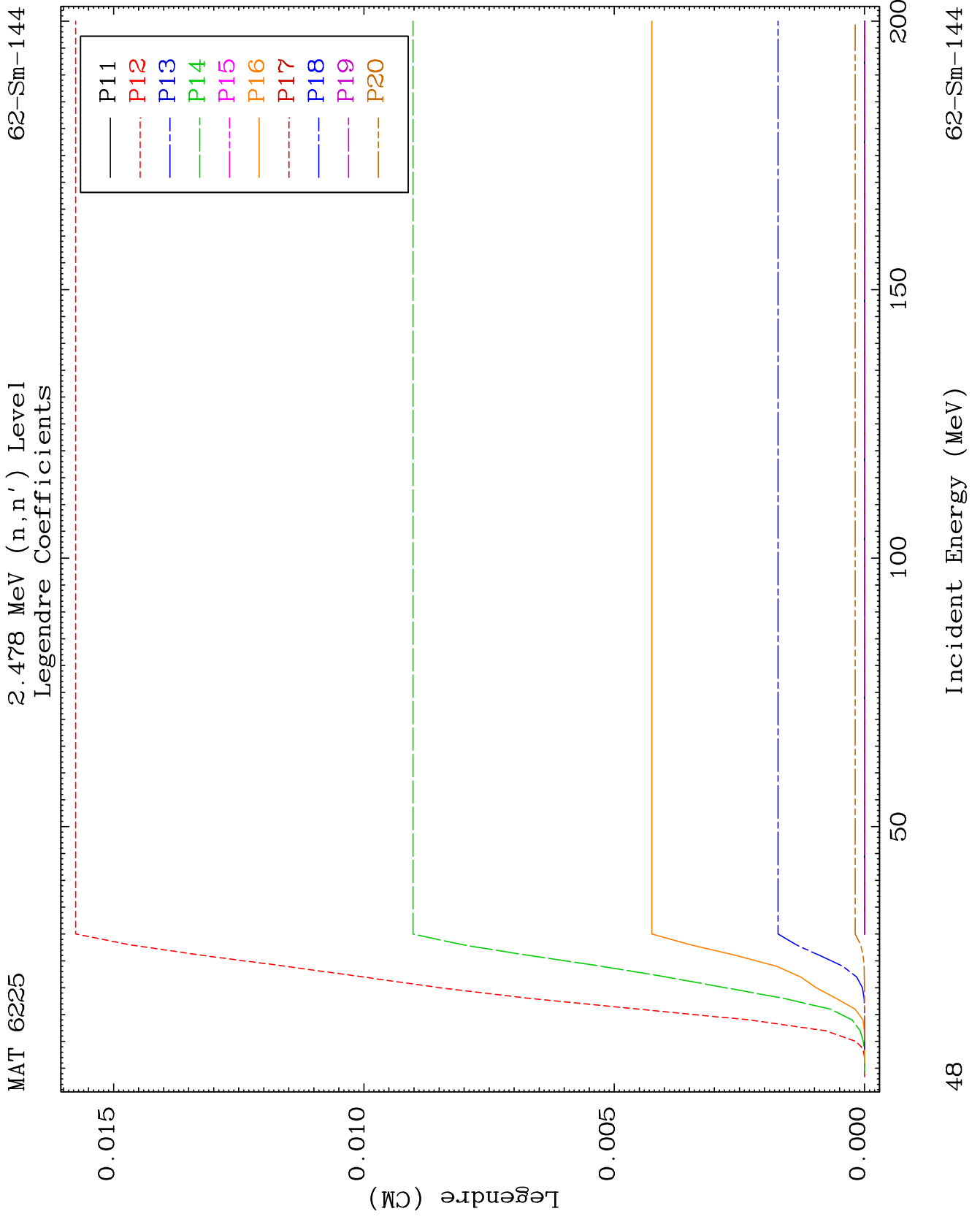
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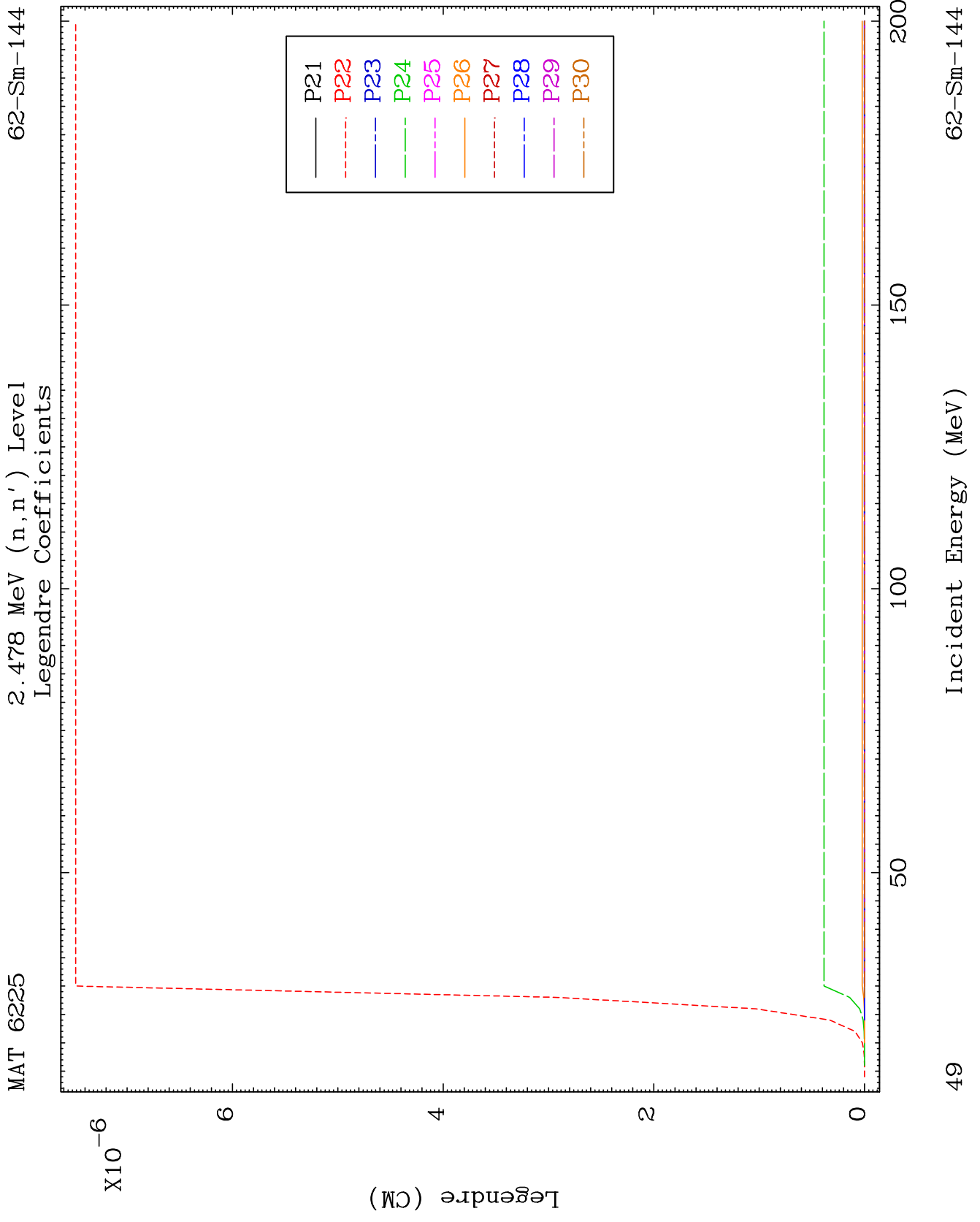
Incident Energy (MeV)

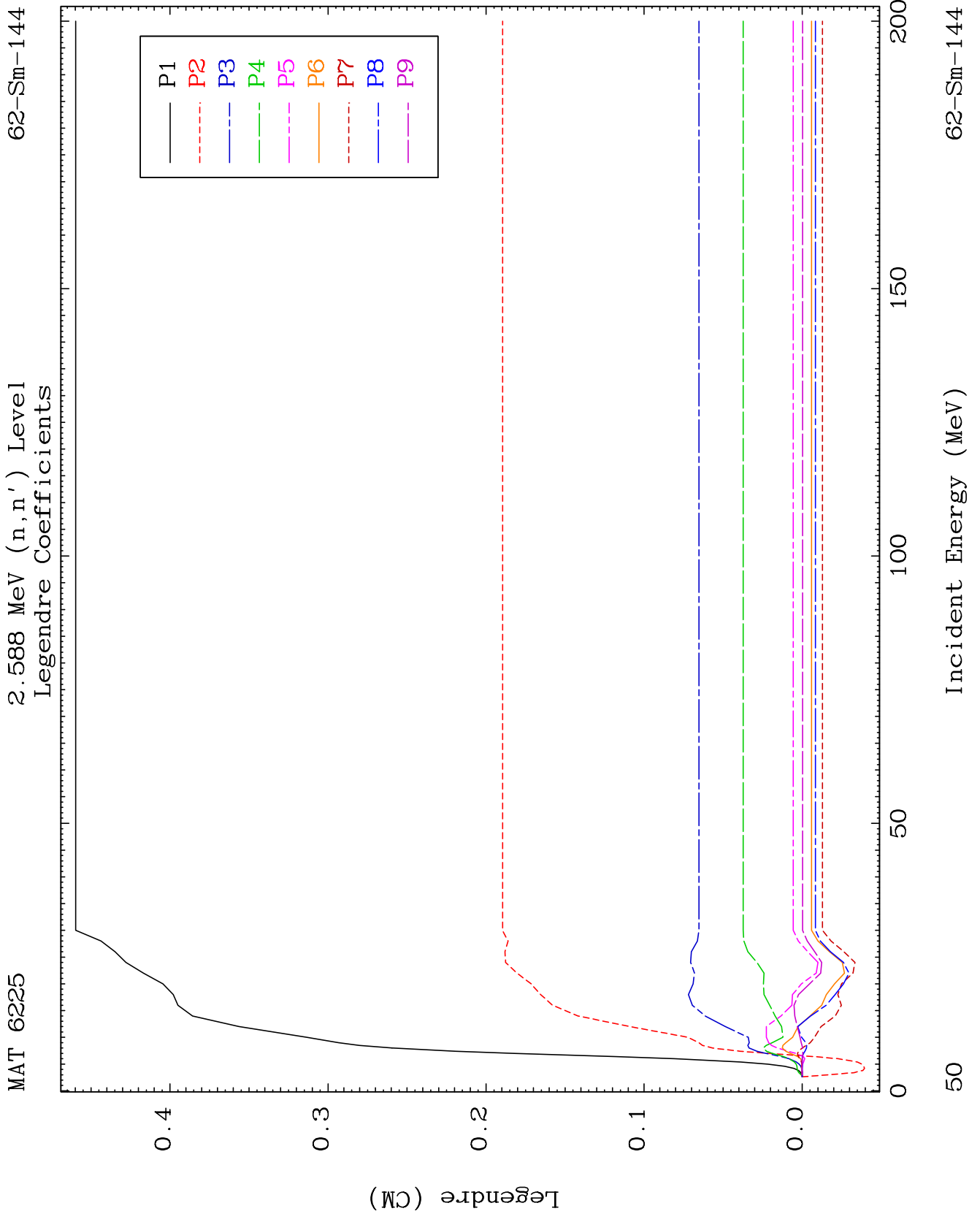
62-Sm-144

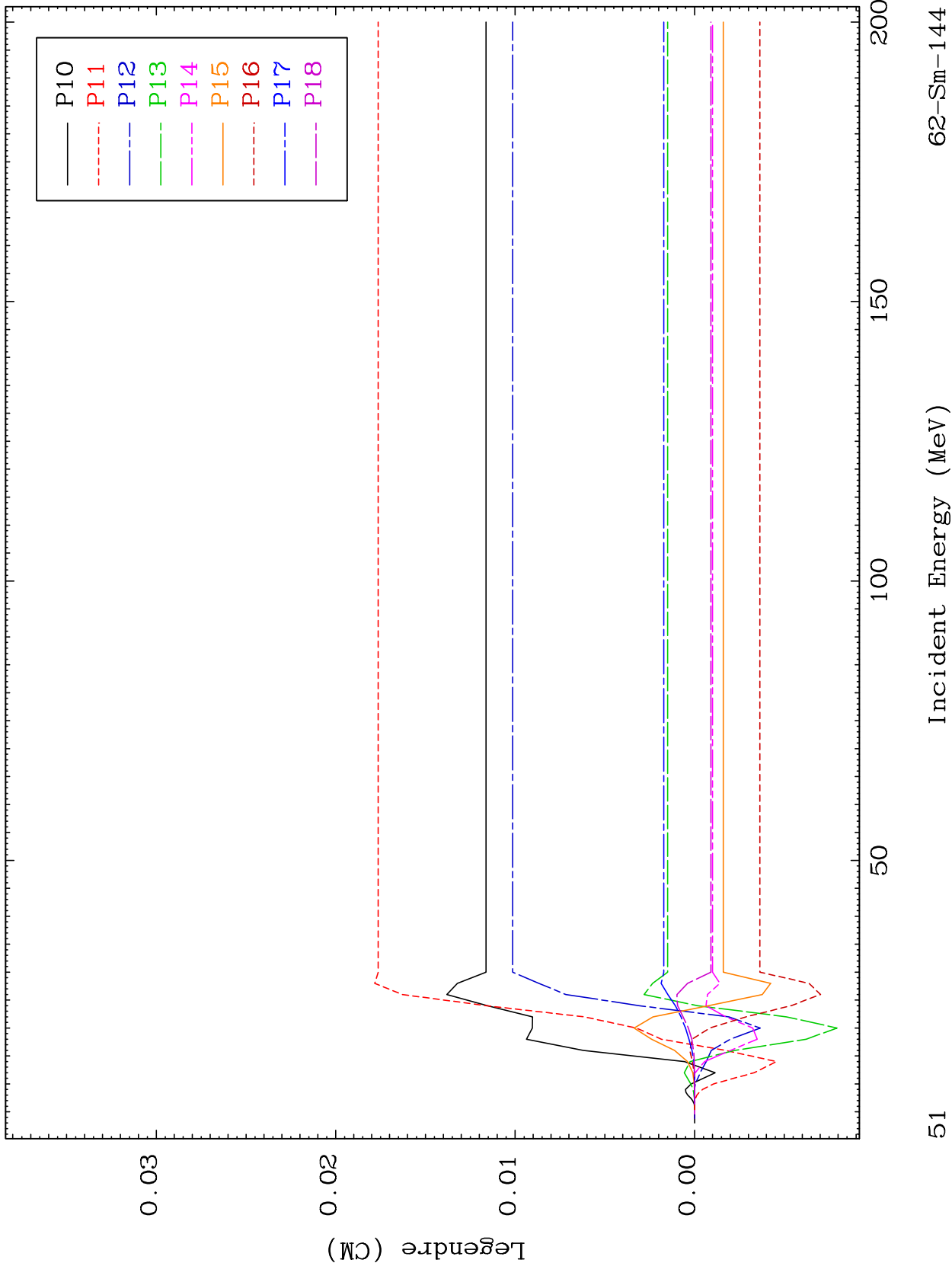








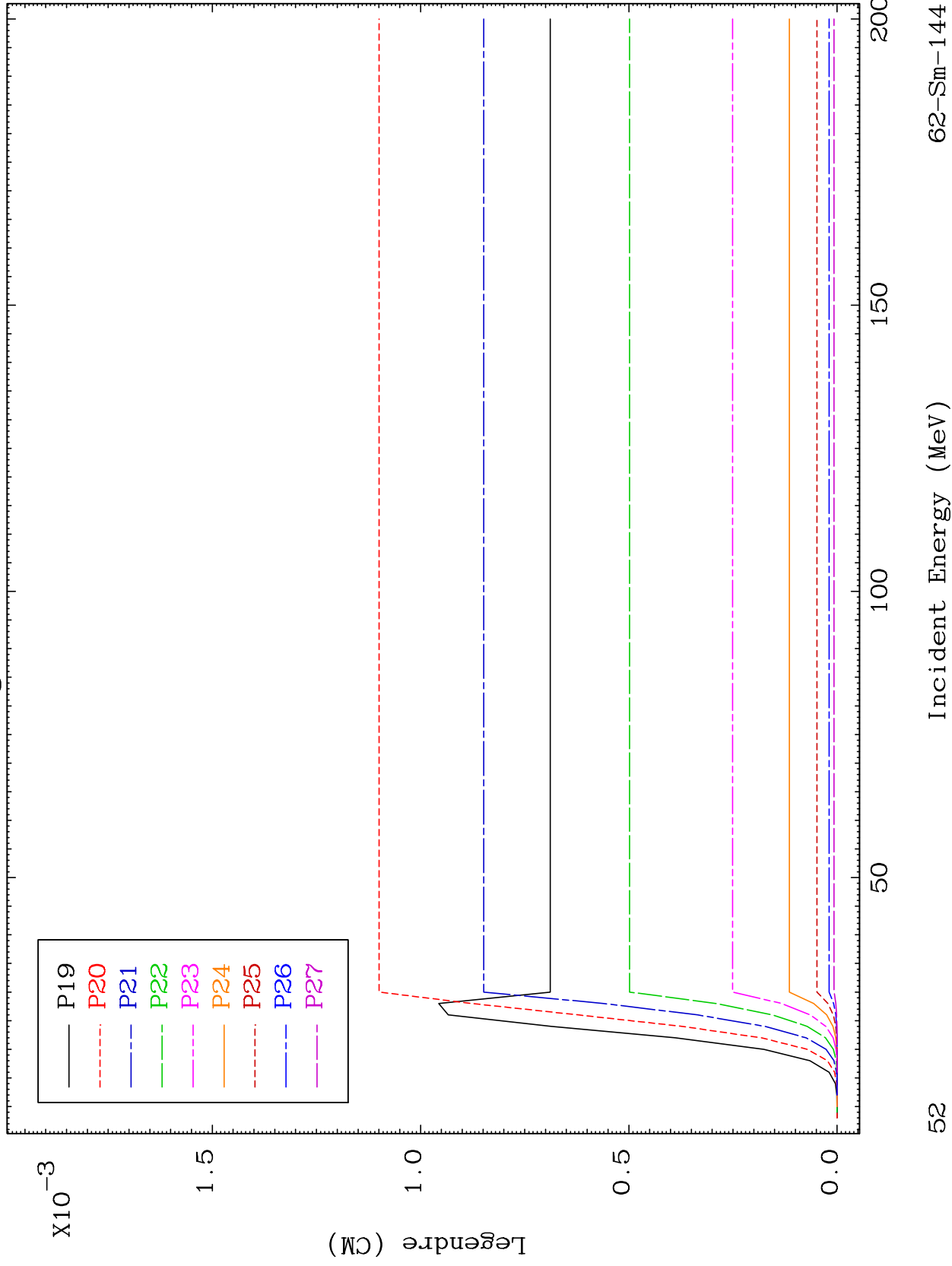




MAT 6225

2.588 MeV (n, n') Level  
Legendre Coefficients

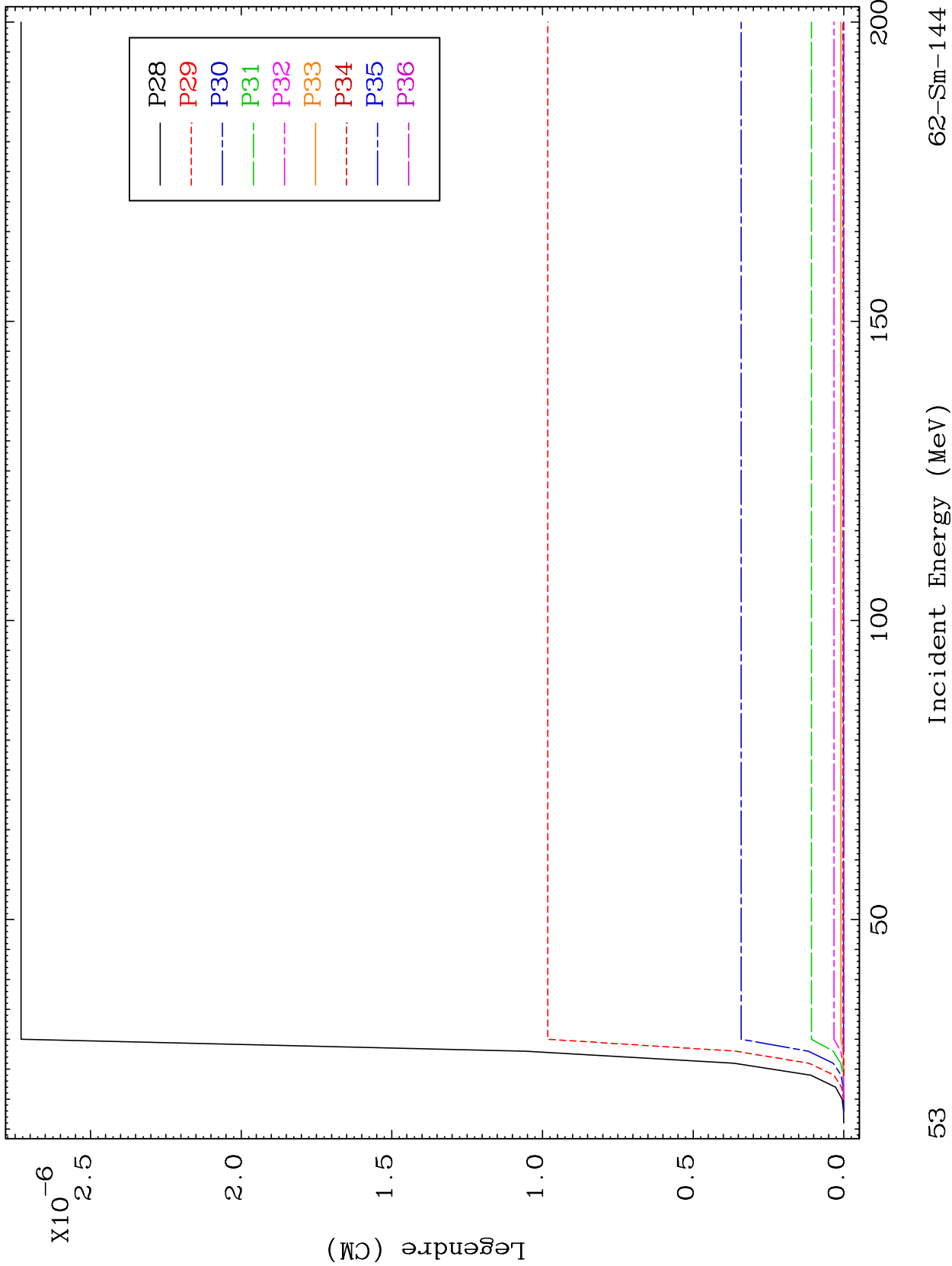
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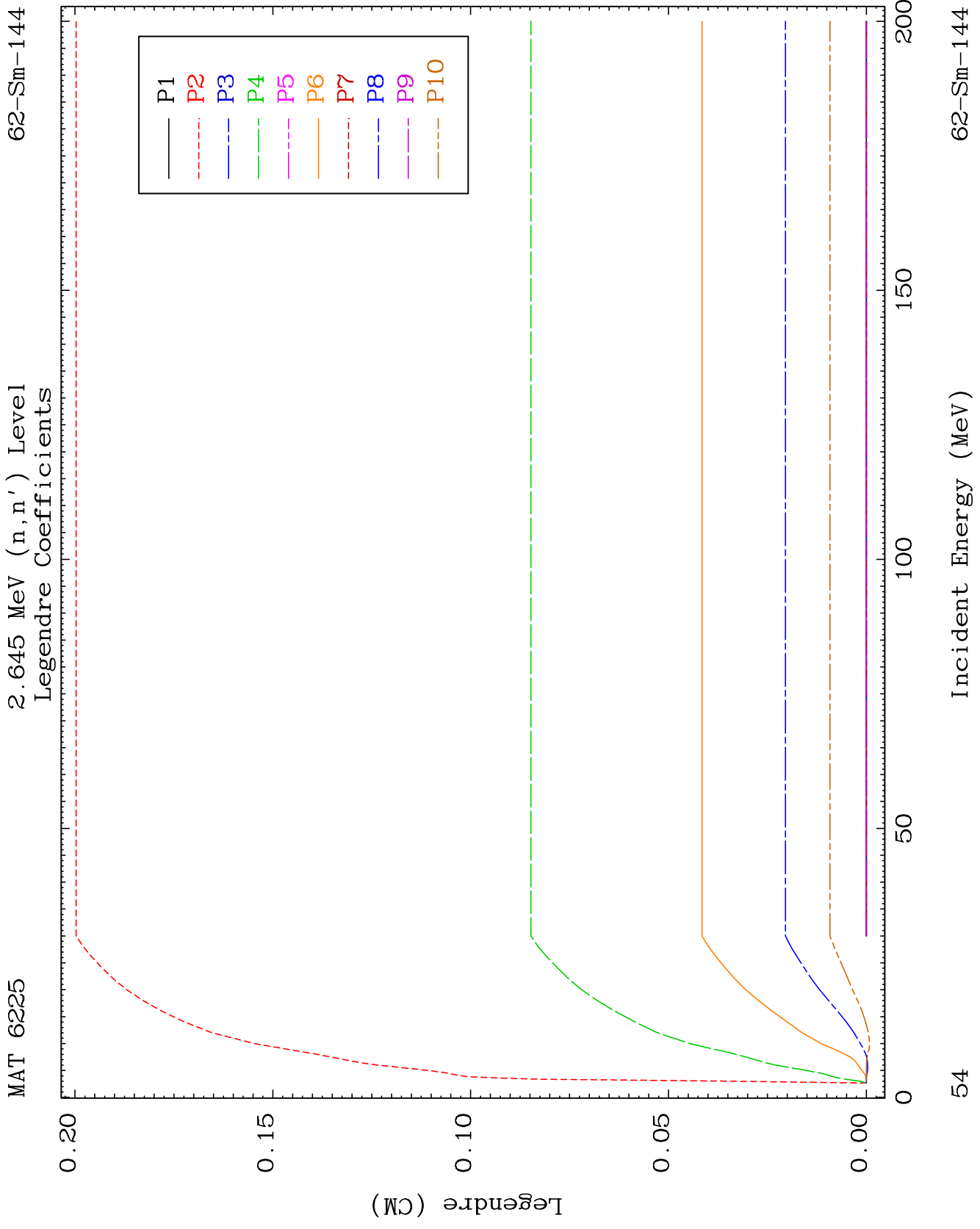


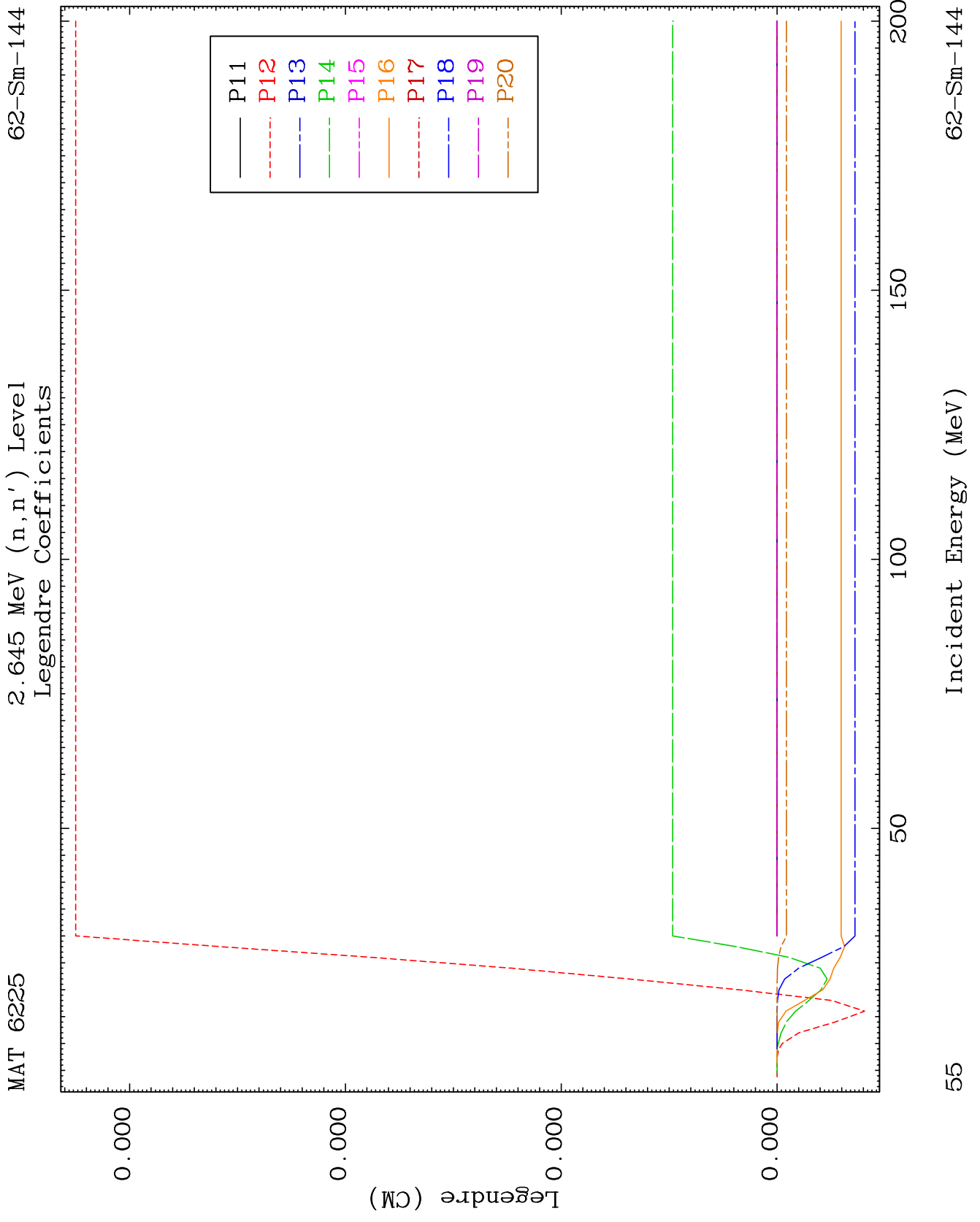
52

Incident Energy (MeV)

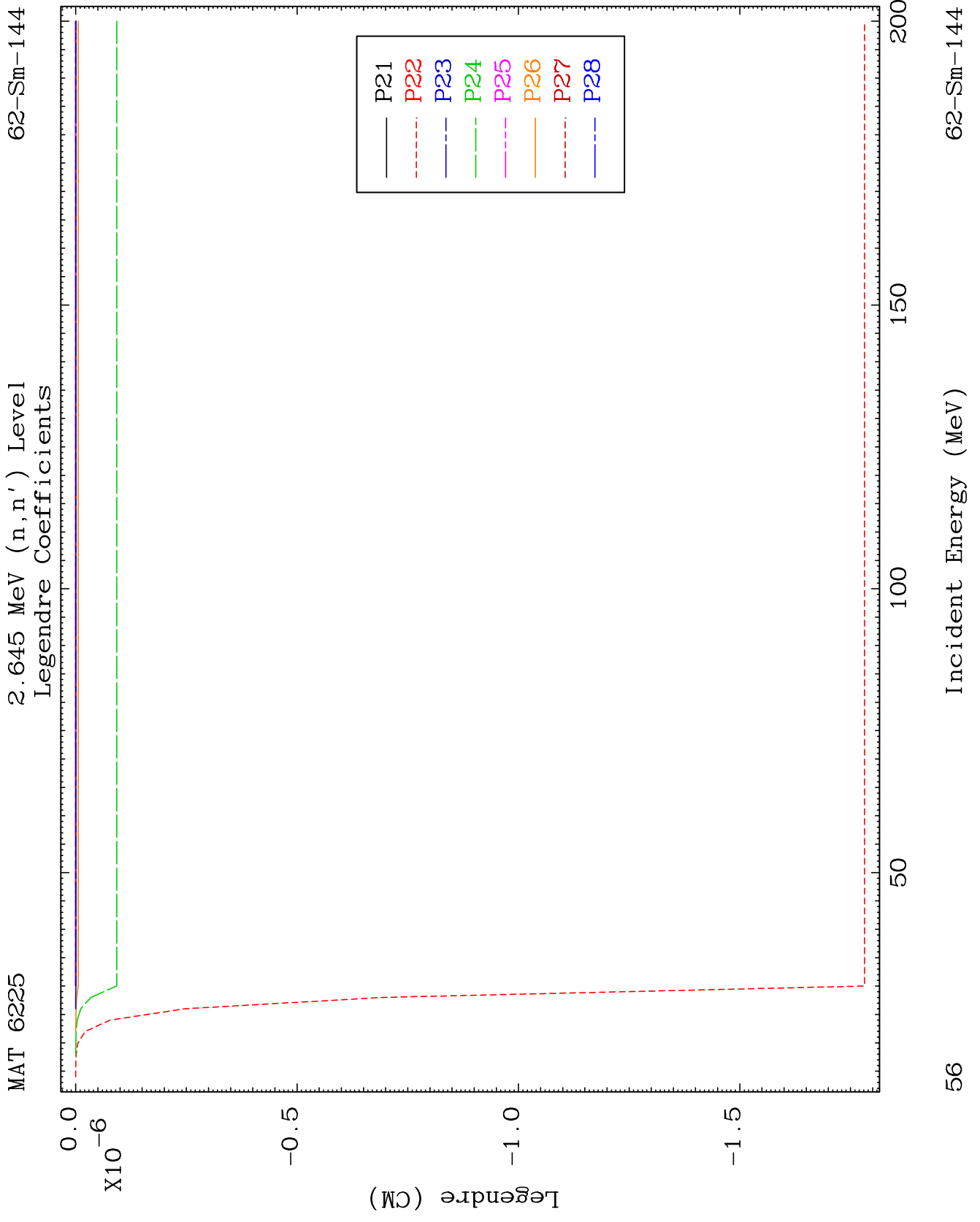
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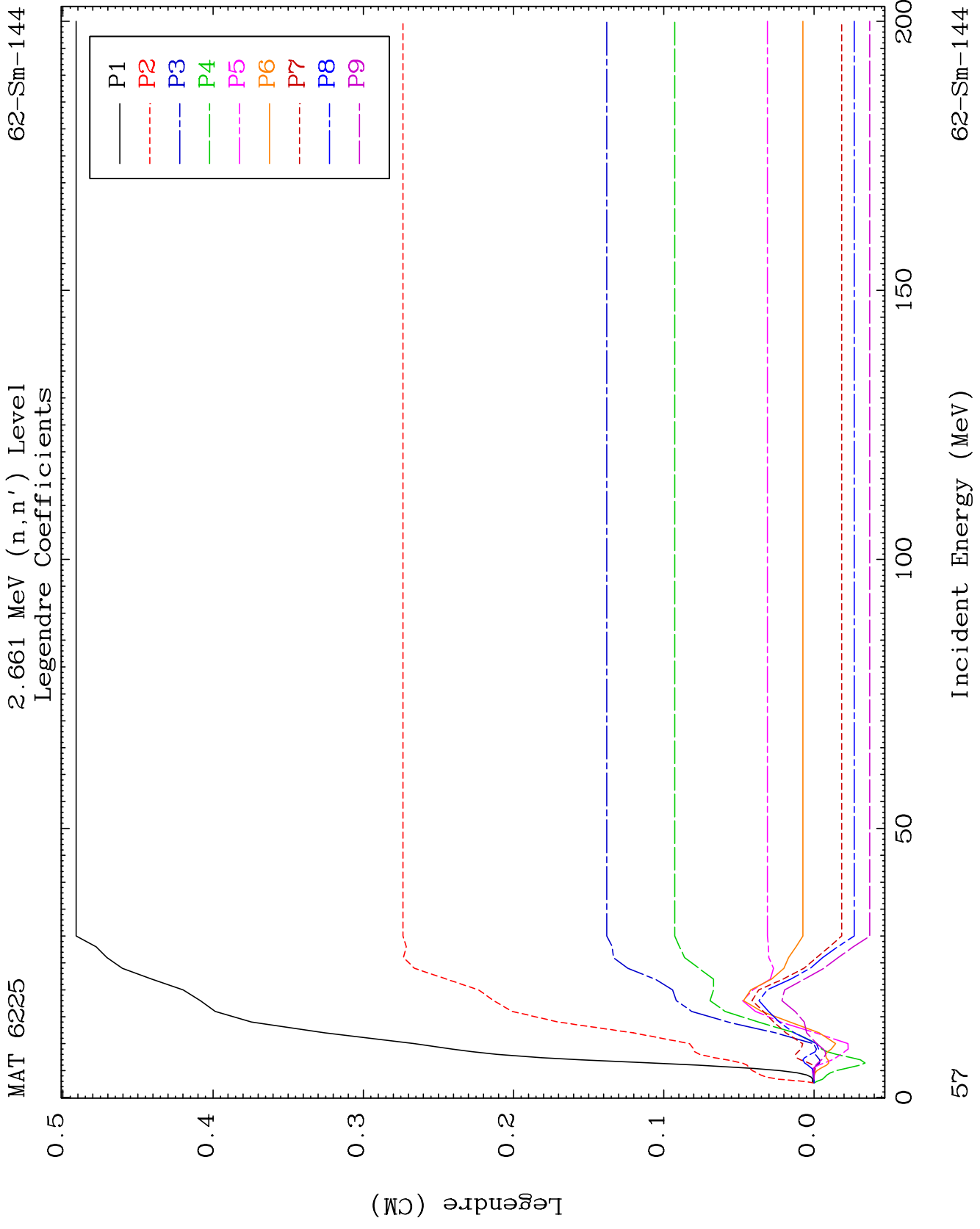


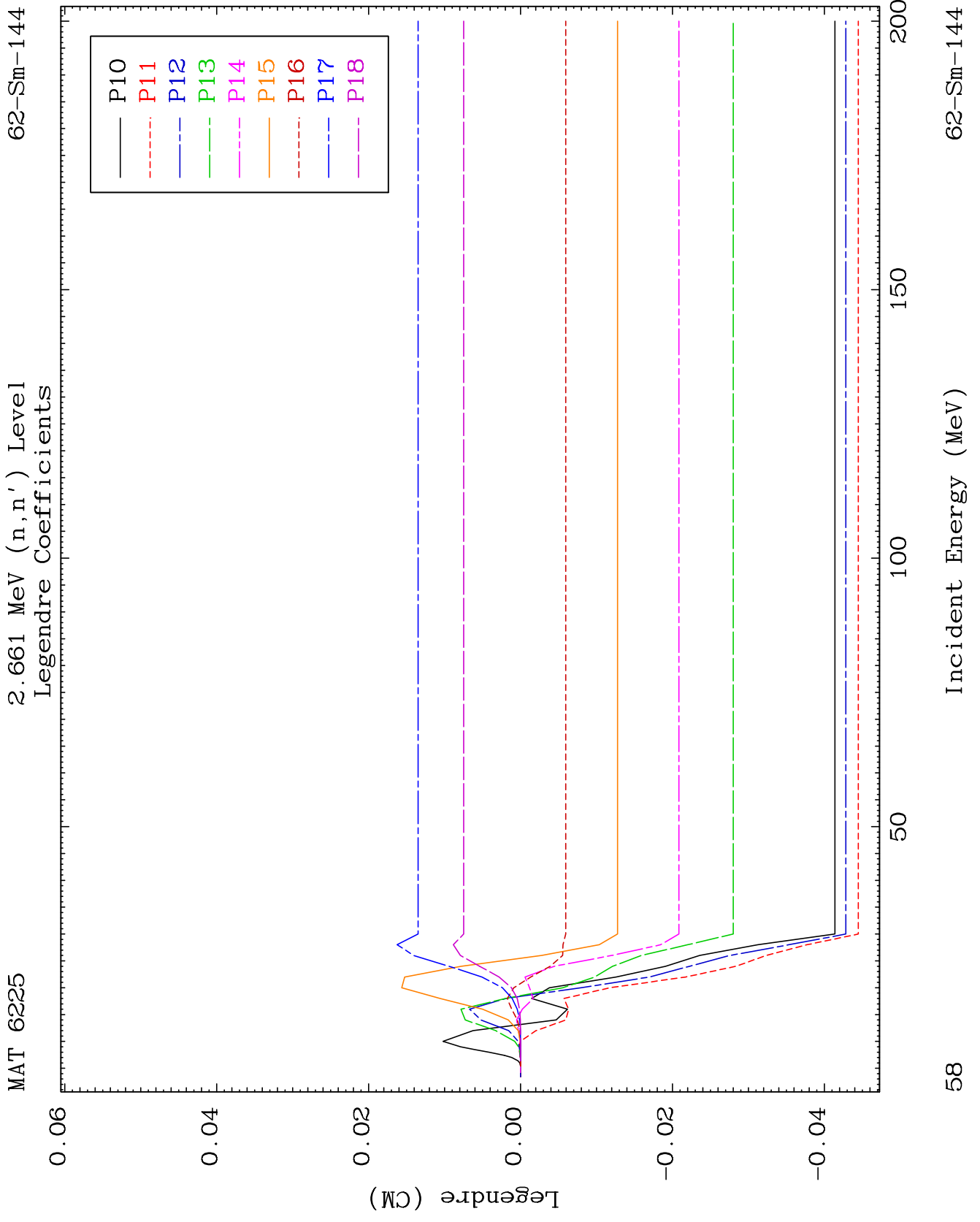


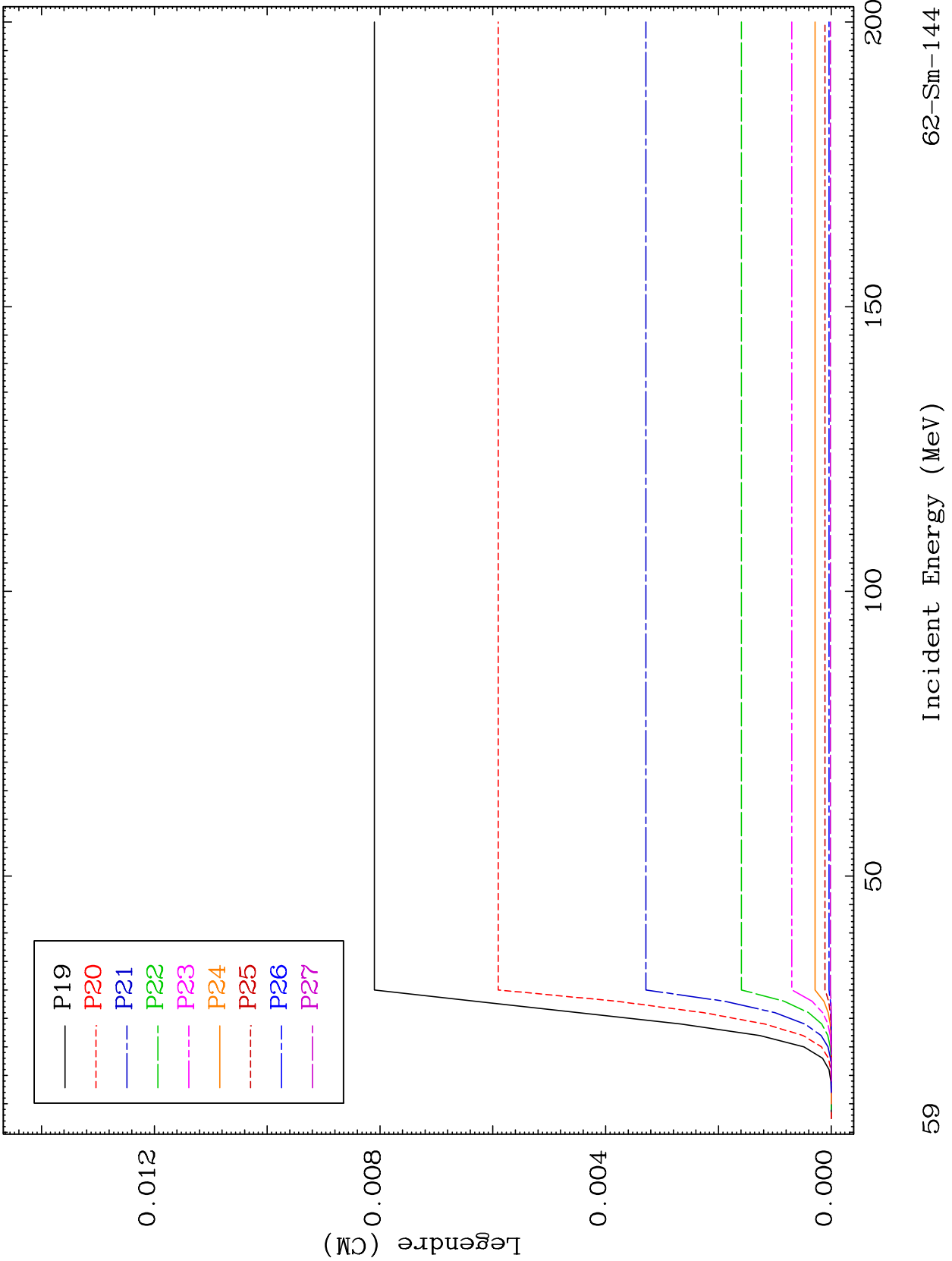


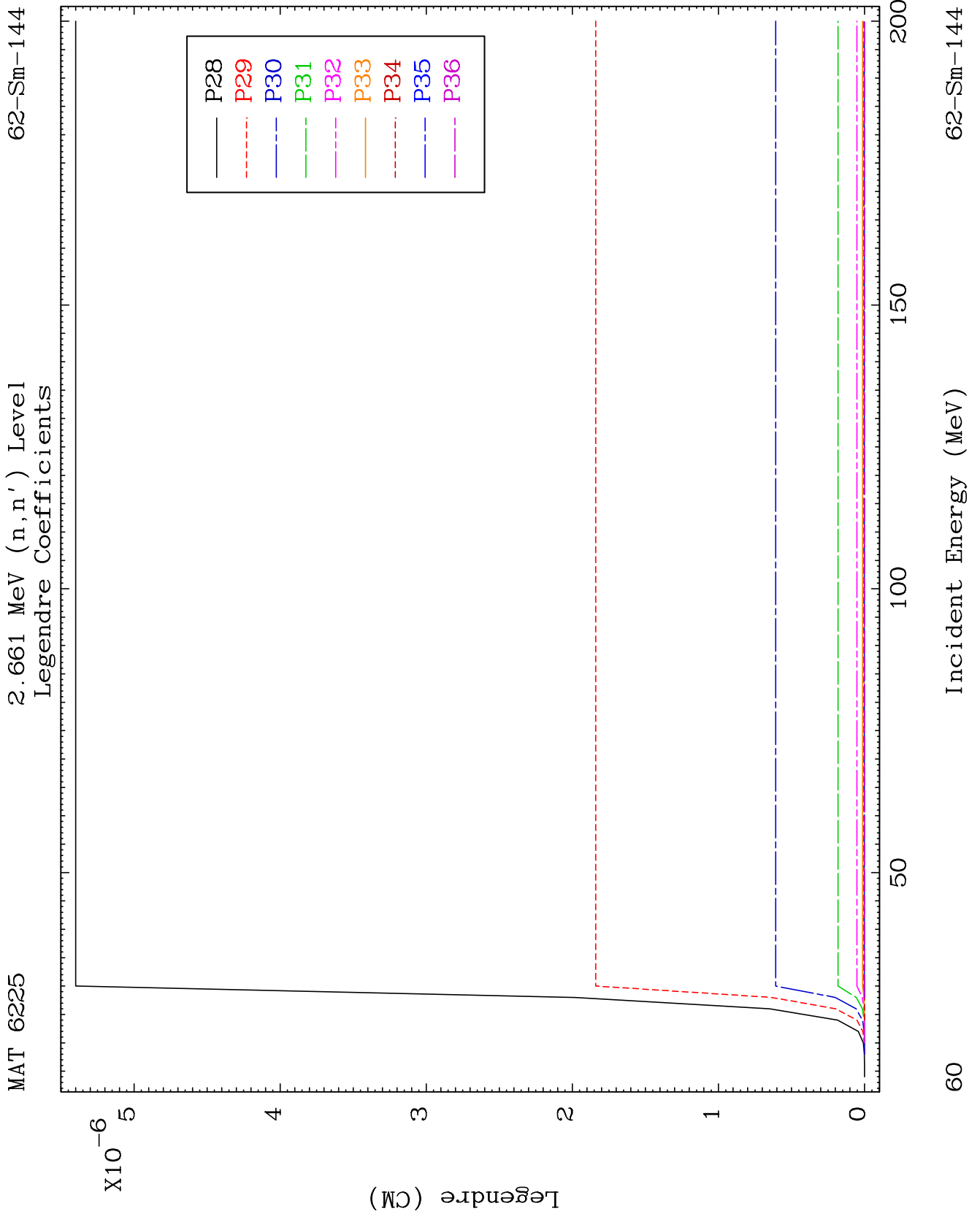


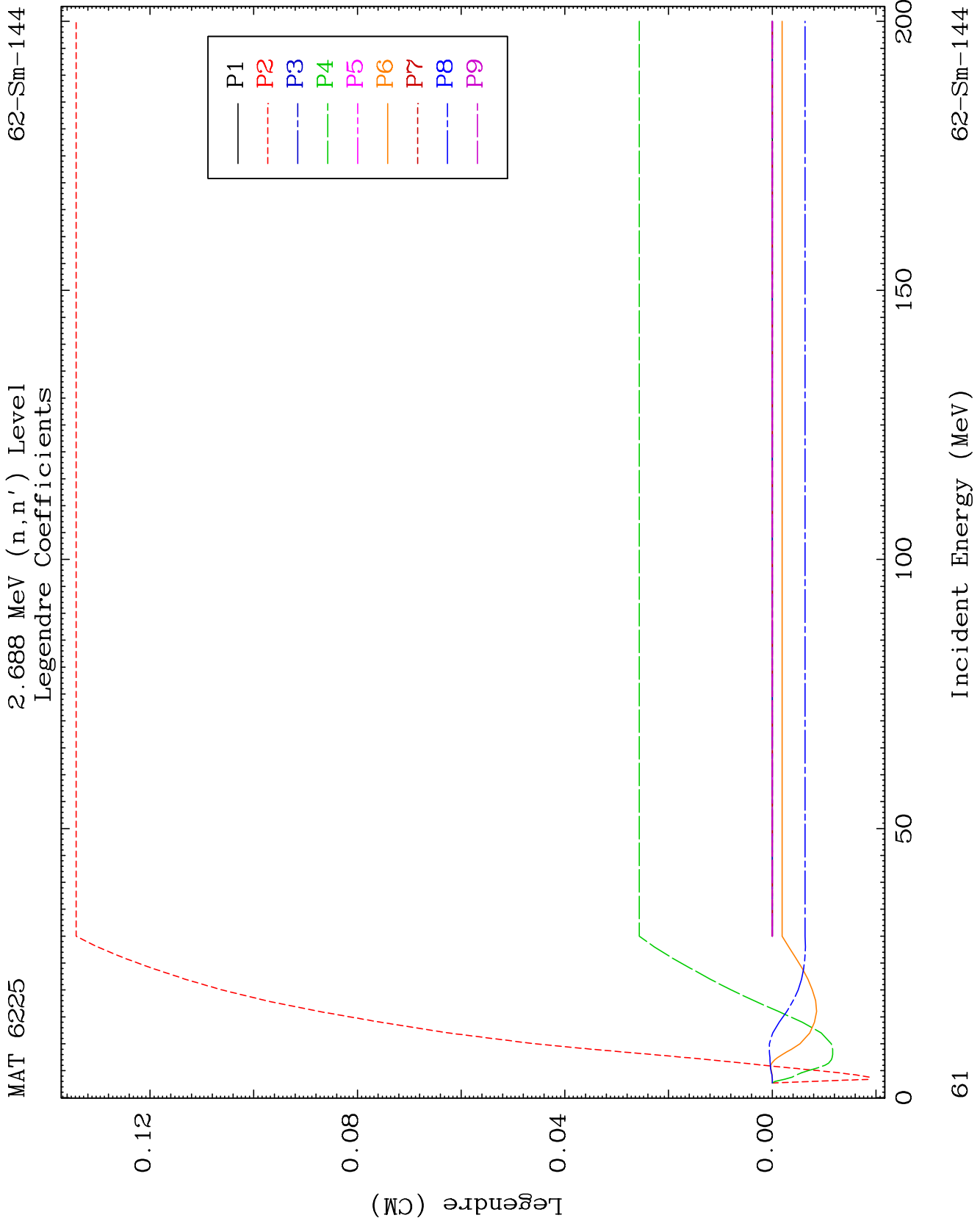








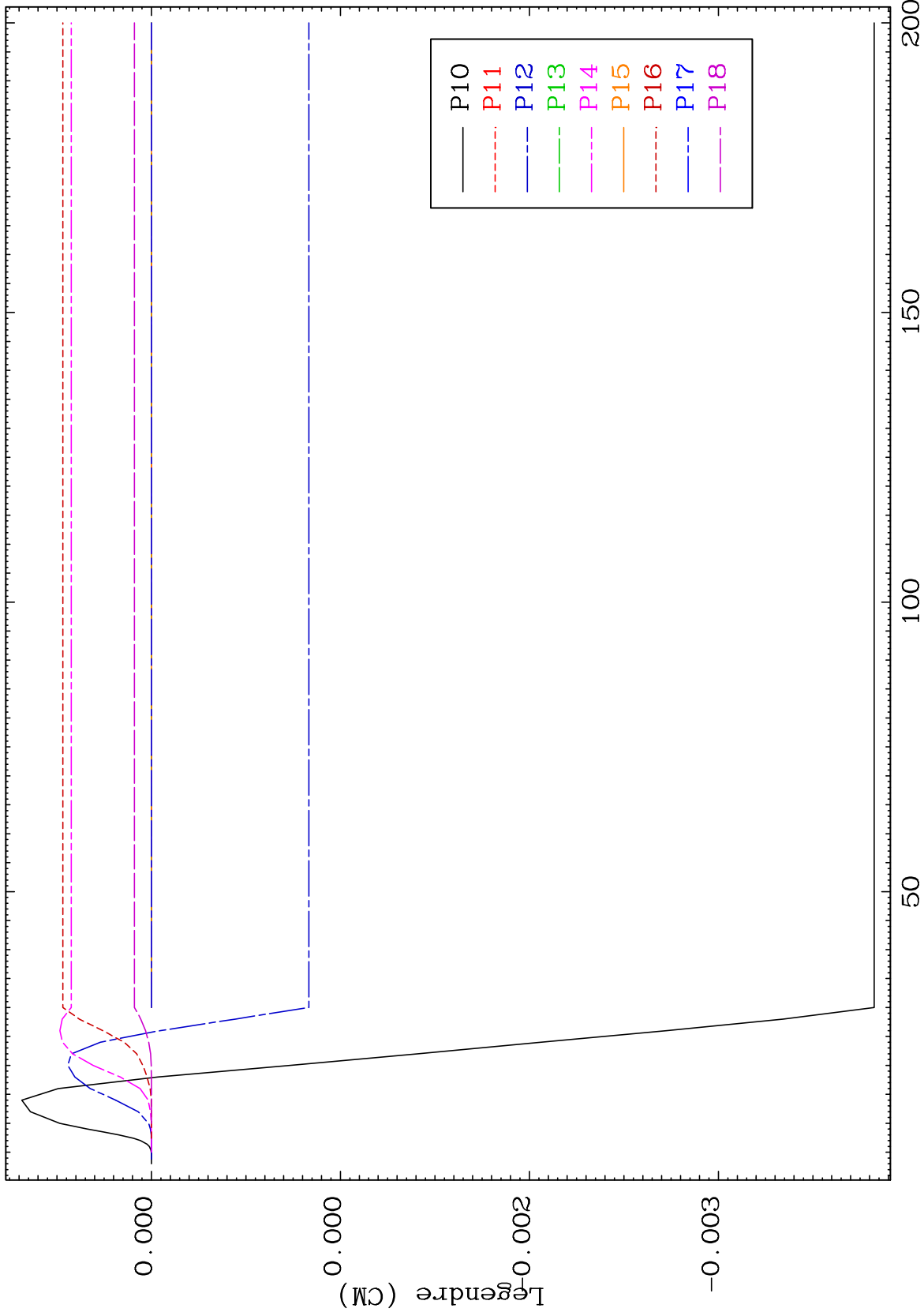




MAT 6225

2.688 MeV (n,n') Level  
Legendre Coefficients

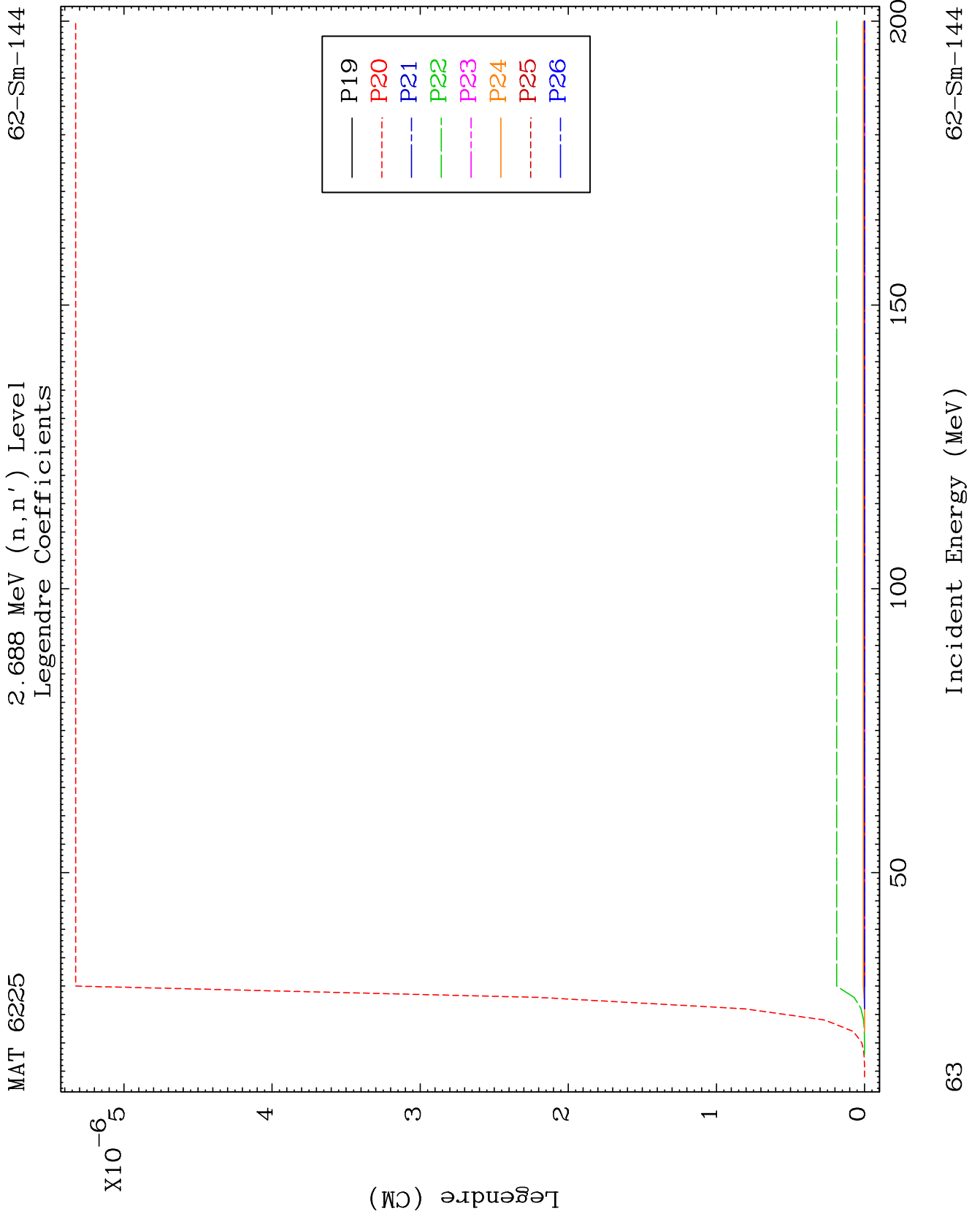
62-Sm-144



62

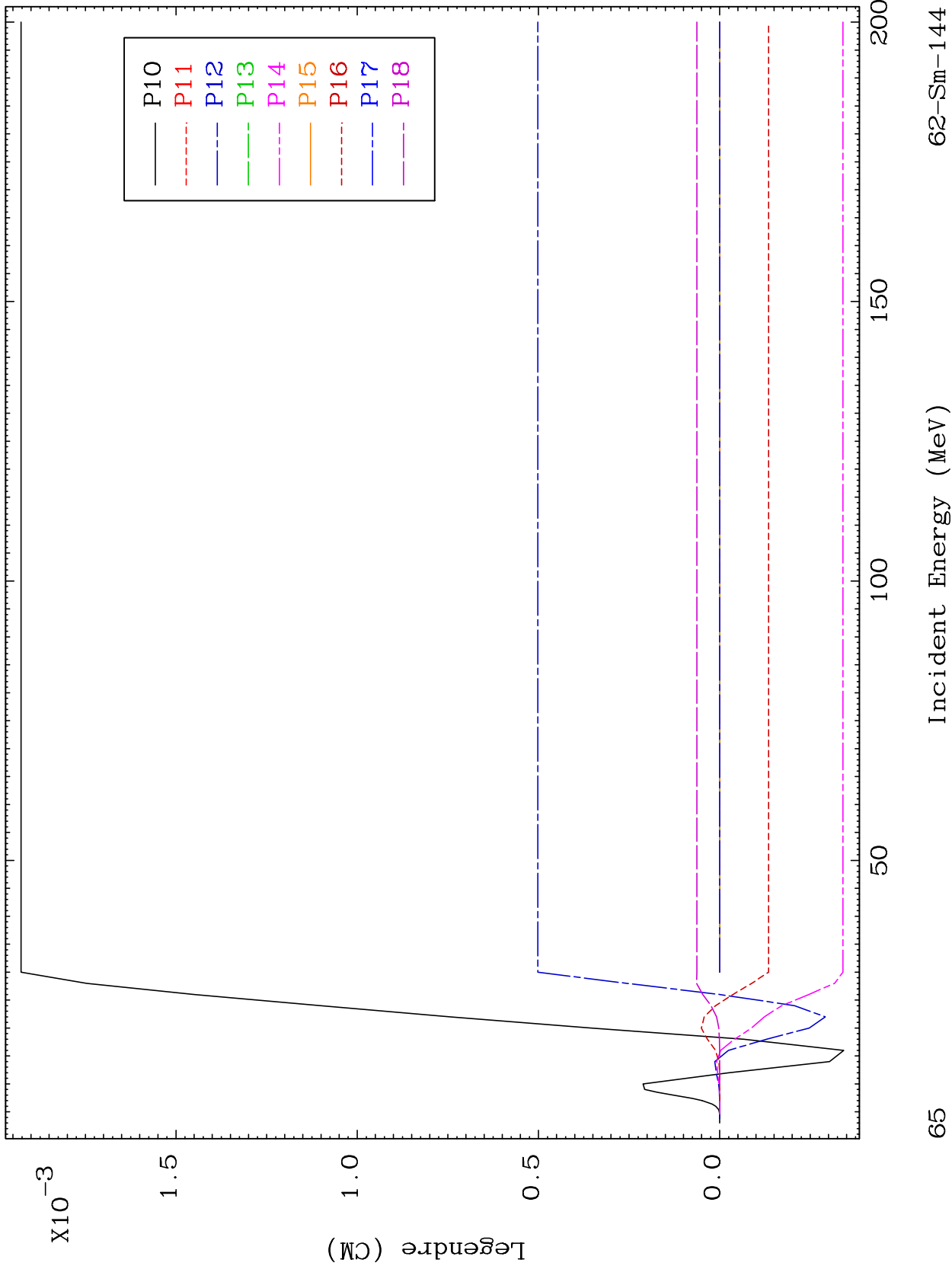
Incident Energy (MeV)

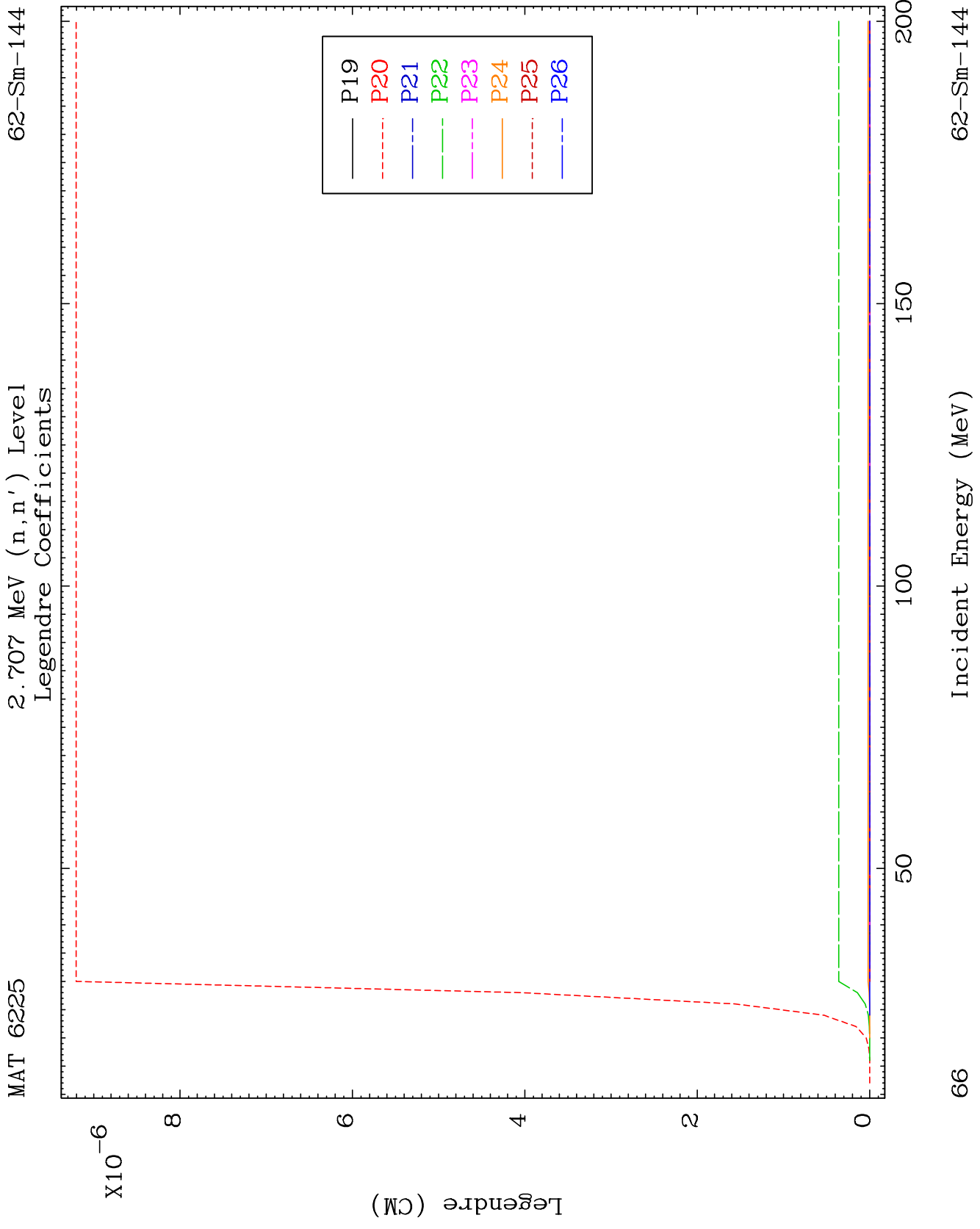
62-Sm-144









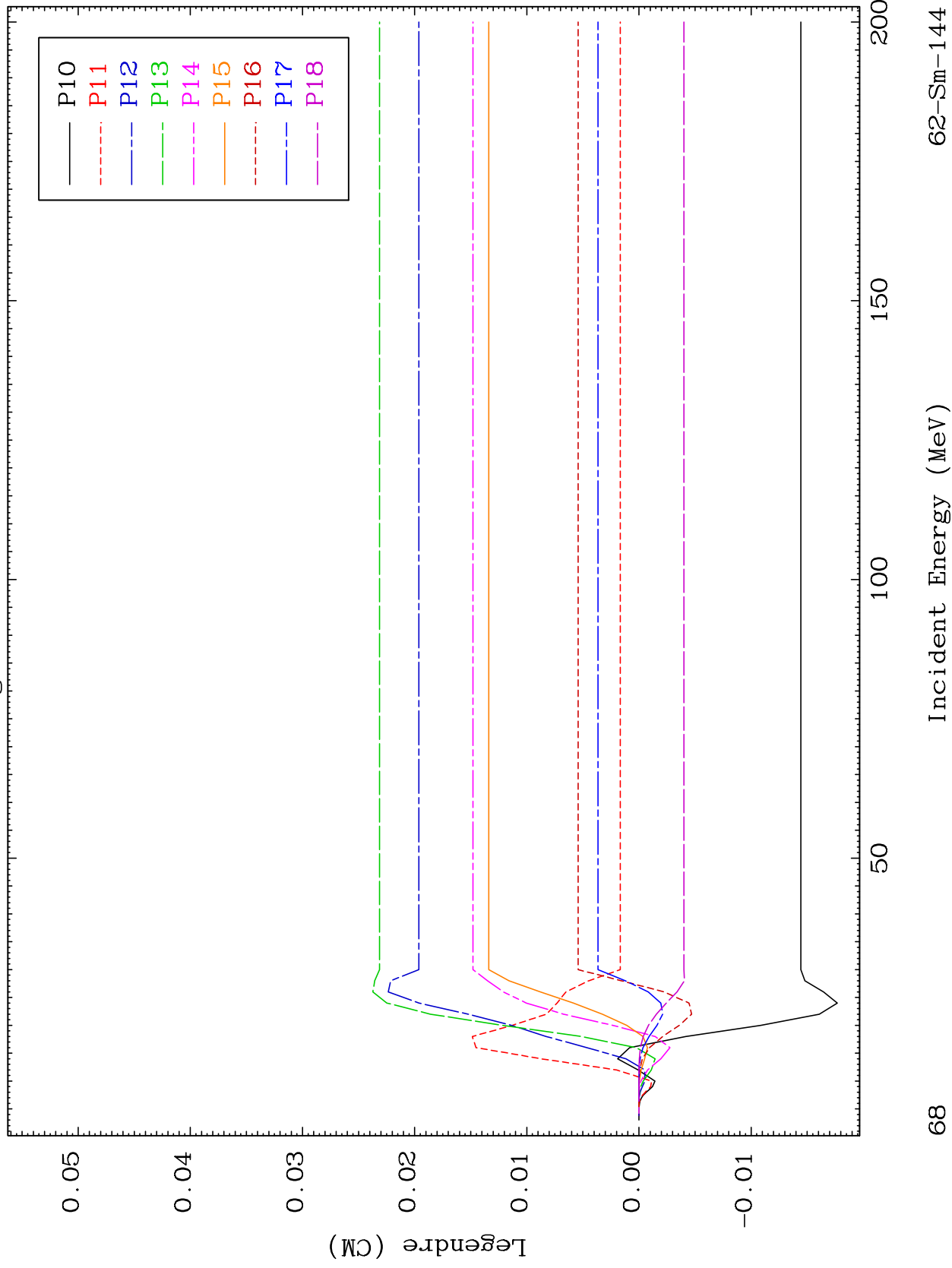




MAT 6225

2.729 MeV (n,n') Level  
Legendre Coefficients

62-Sm-144



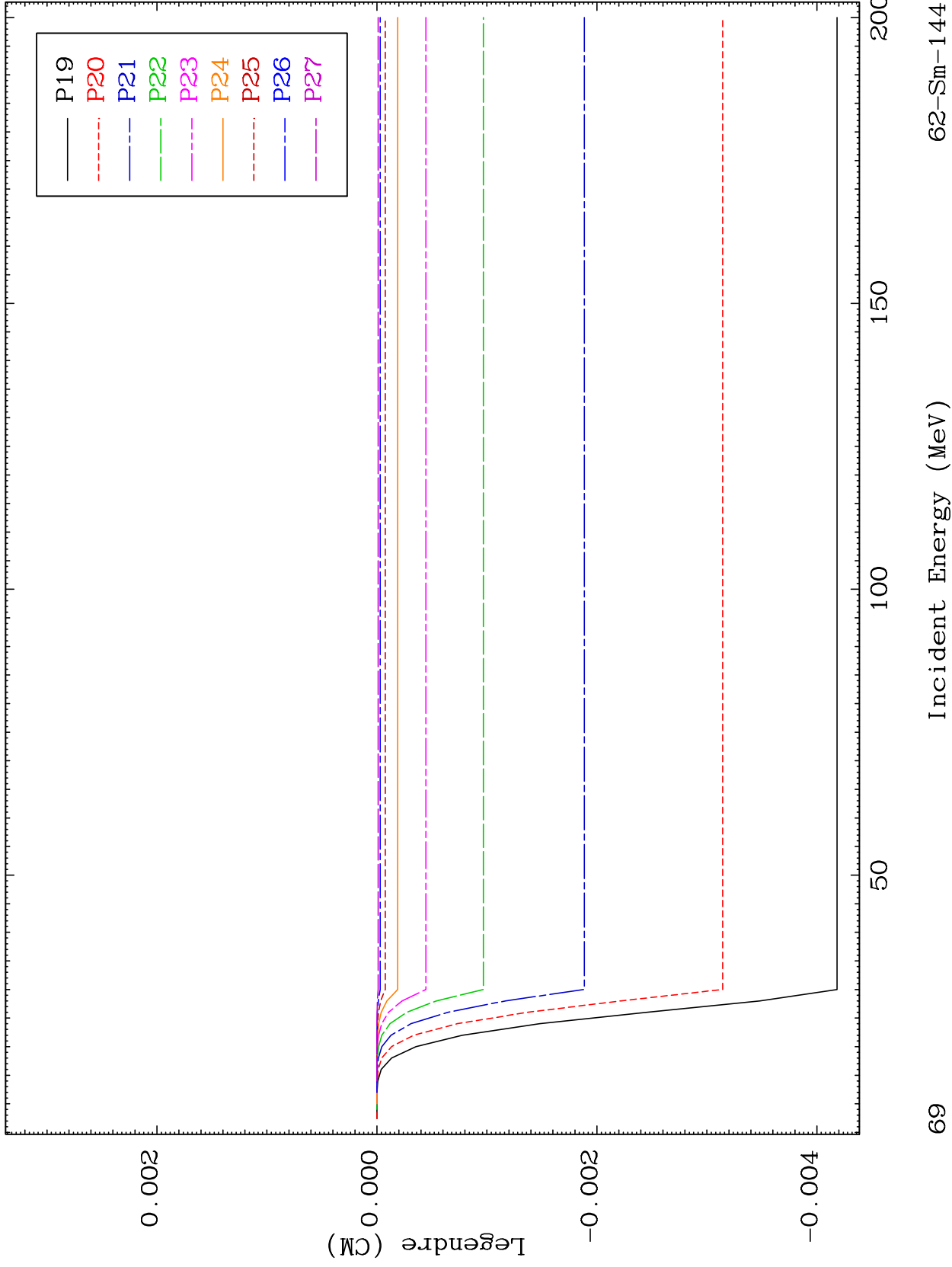
68

62-Sm-144

MAT 6225

2.729 MeV (n,n') Level  
Legendre Coefficients

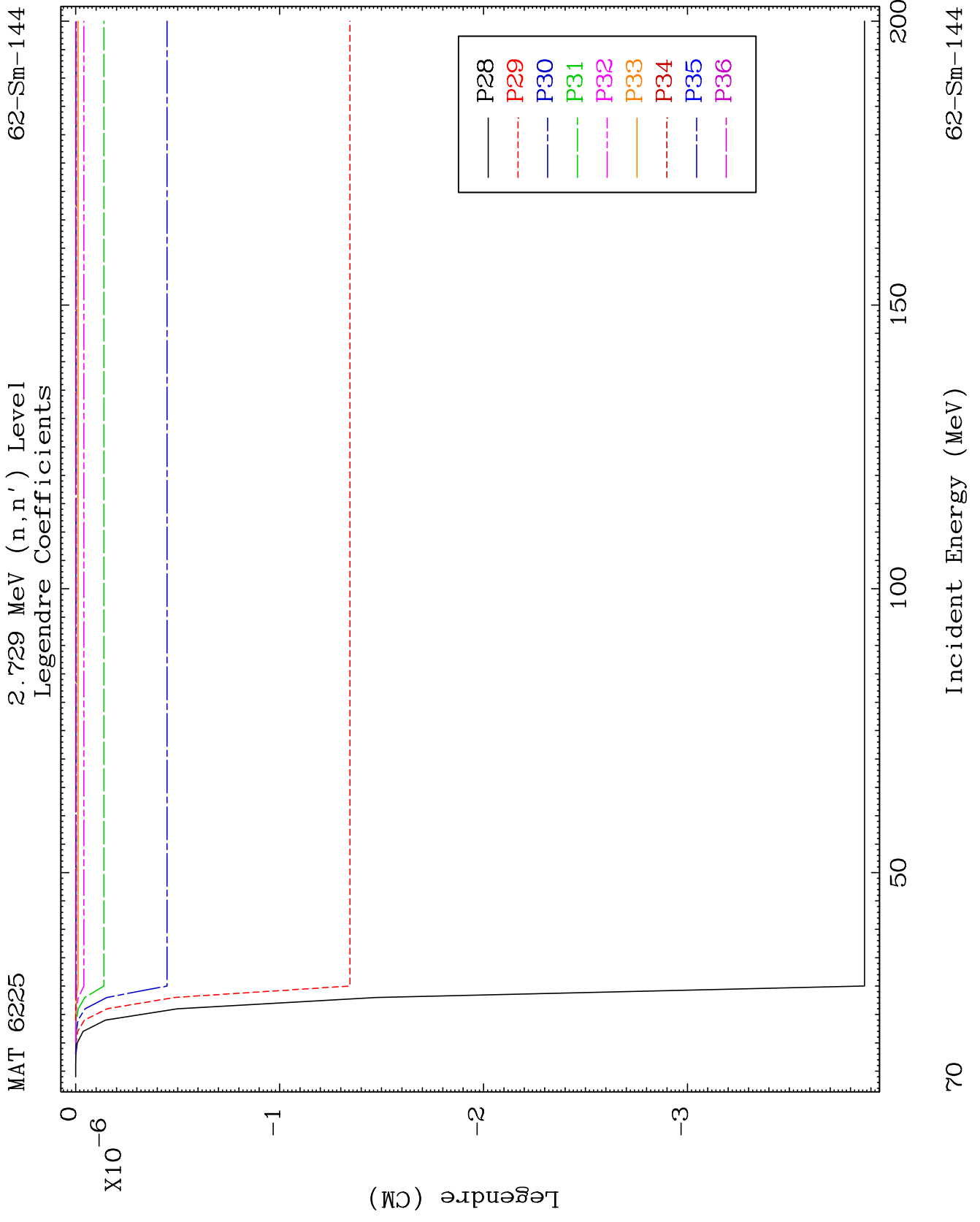
62-Sm-144



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Incident Energy (MeV)

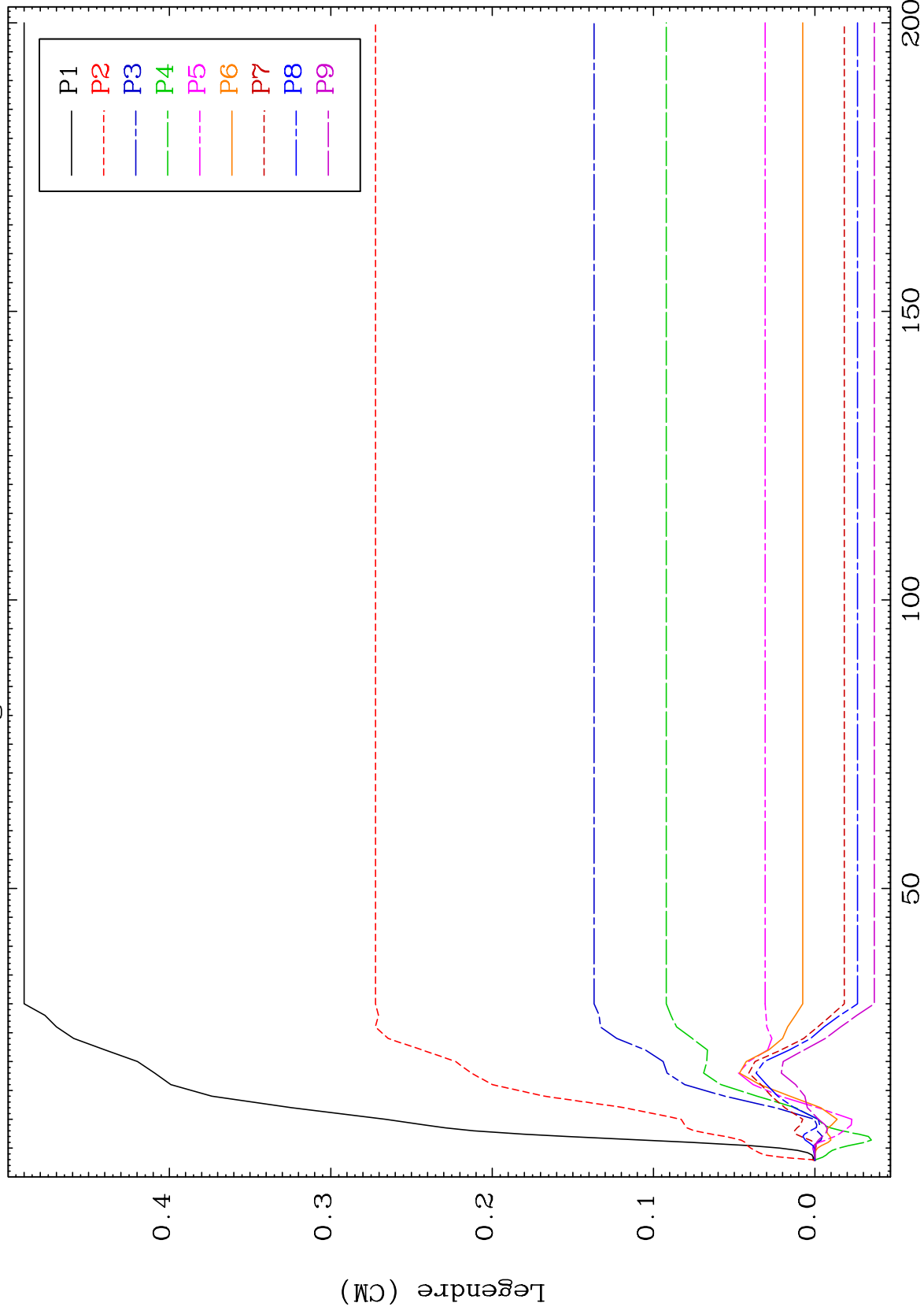
62-Sm-144



MAT 6225

2.800 MeV (n,n') Level  
Legendre Coefficients

62-Sm-144

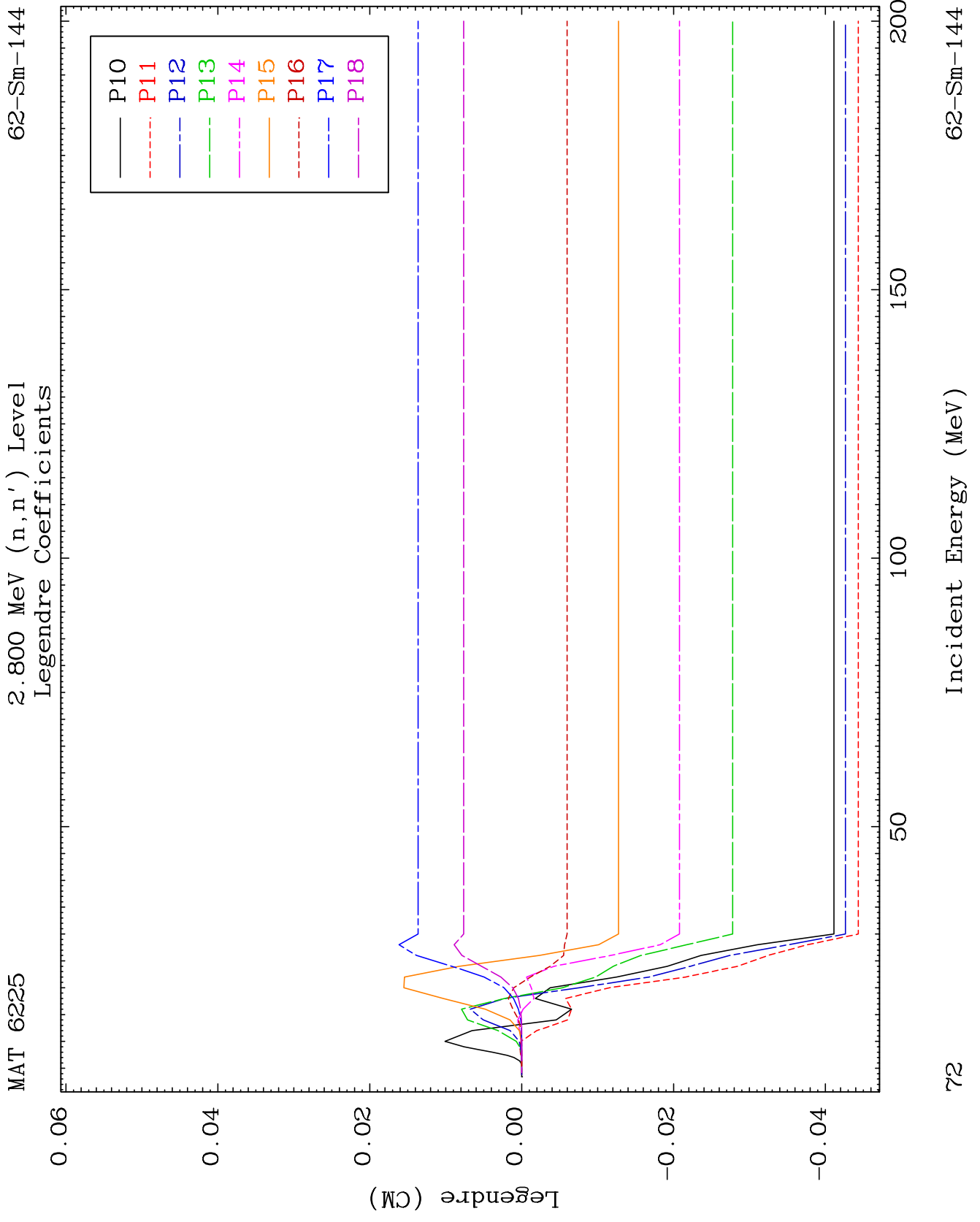


71

Incident Energy (MeV)

62-Sm-144

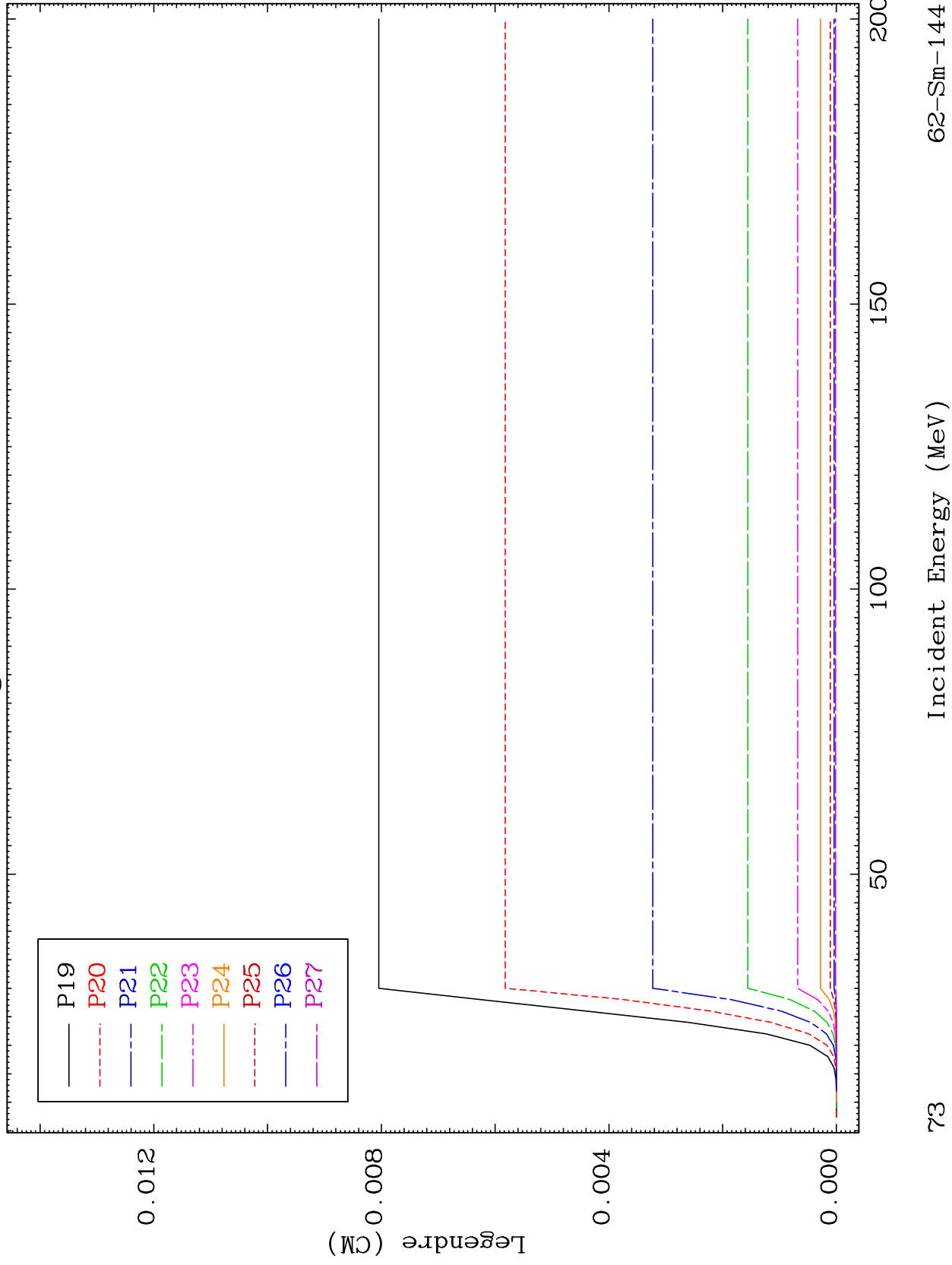




MAT 6225

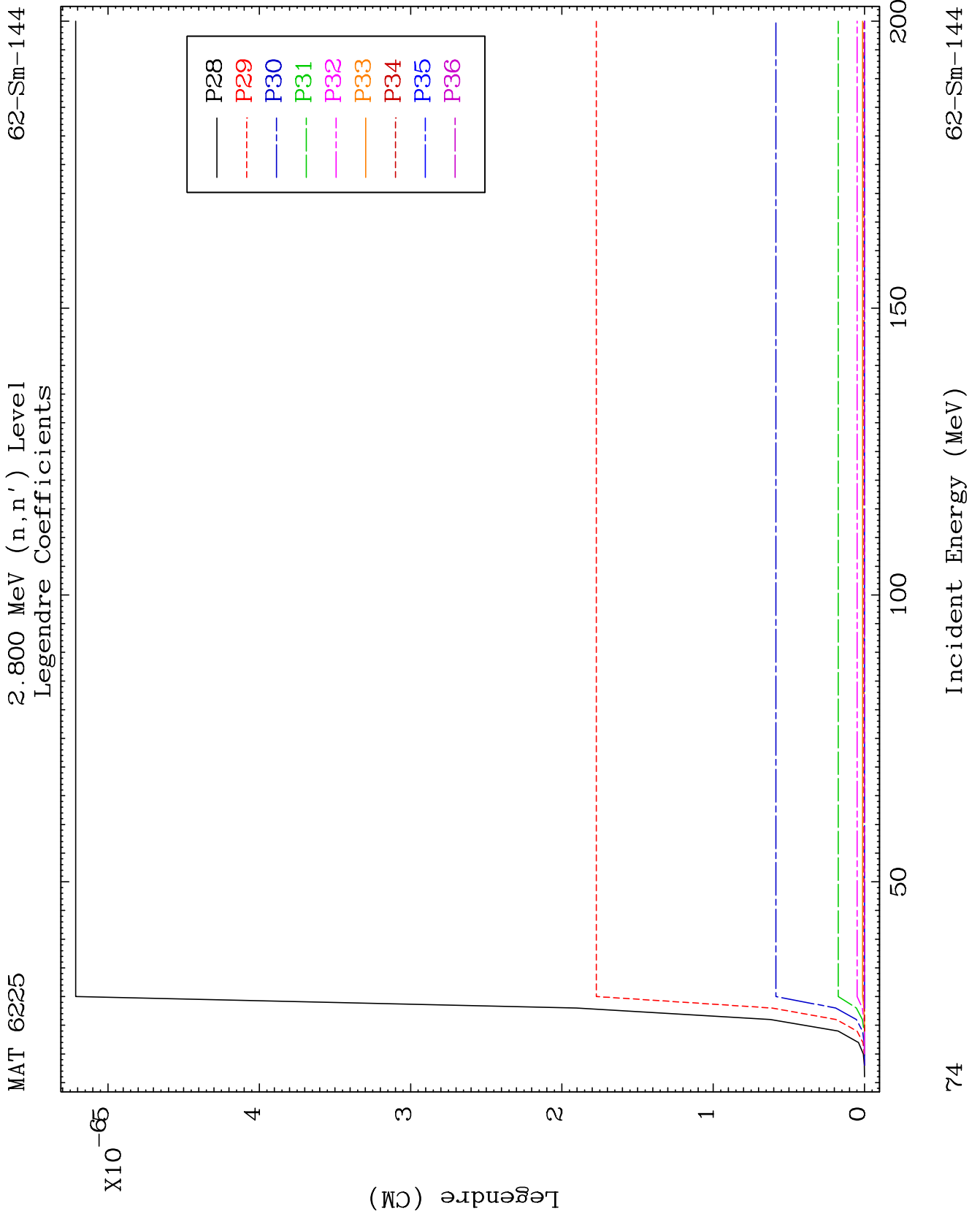
2.800 MeV (n,n') Level  
Legendre Coefficients

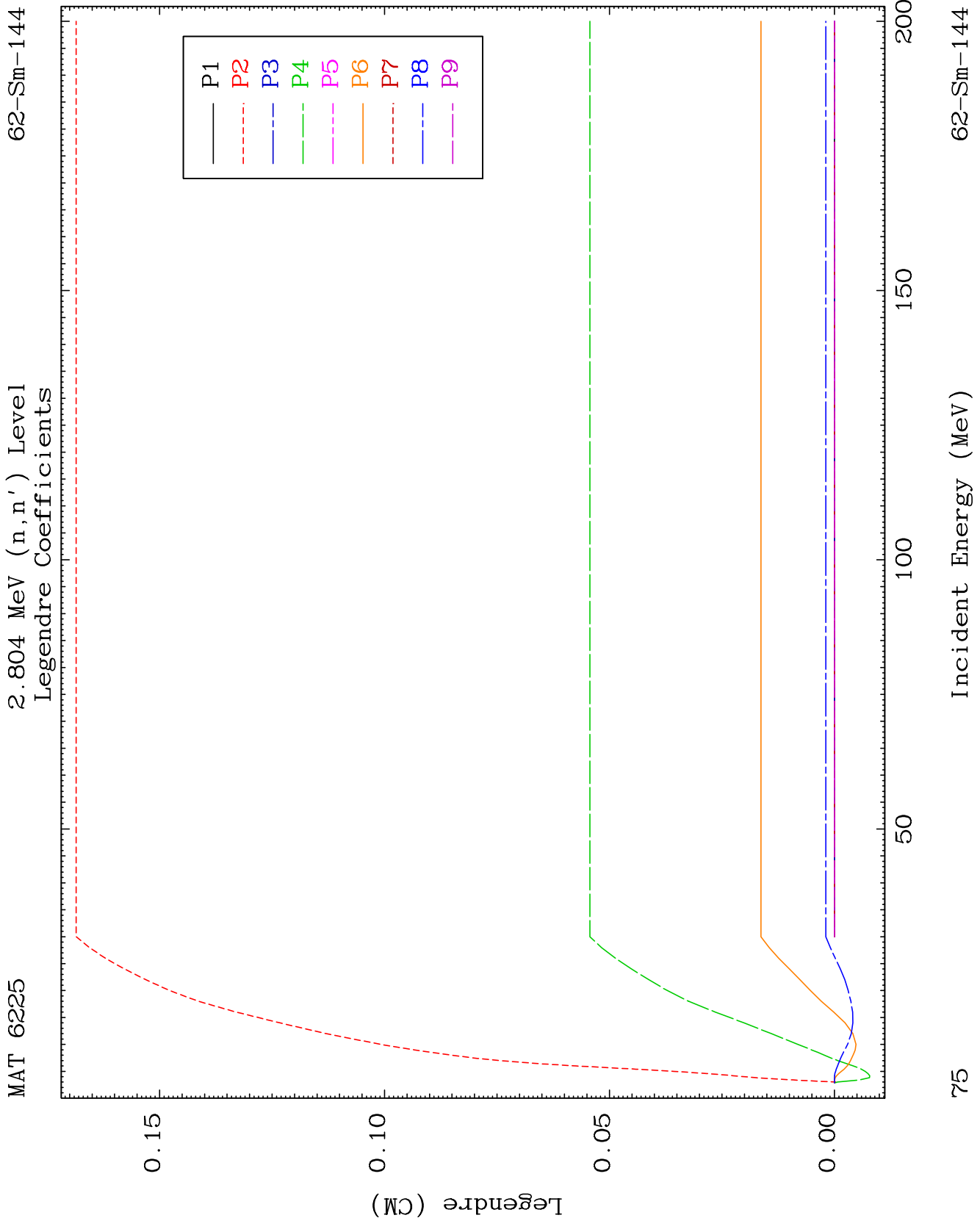
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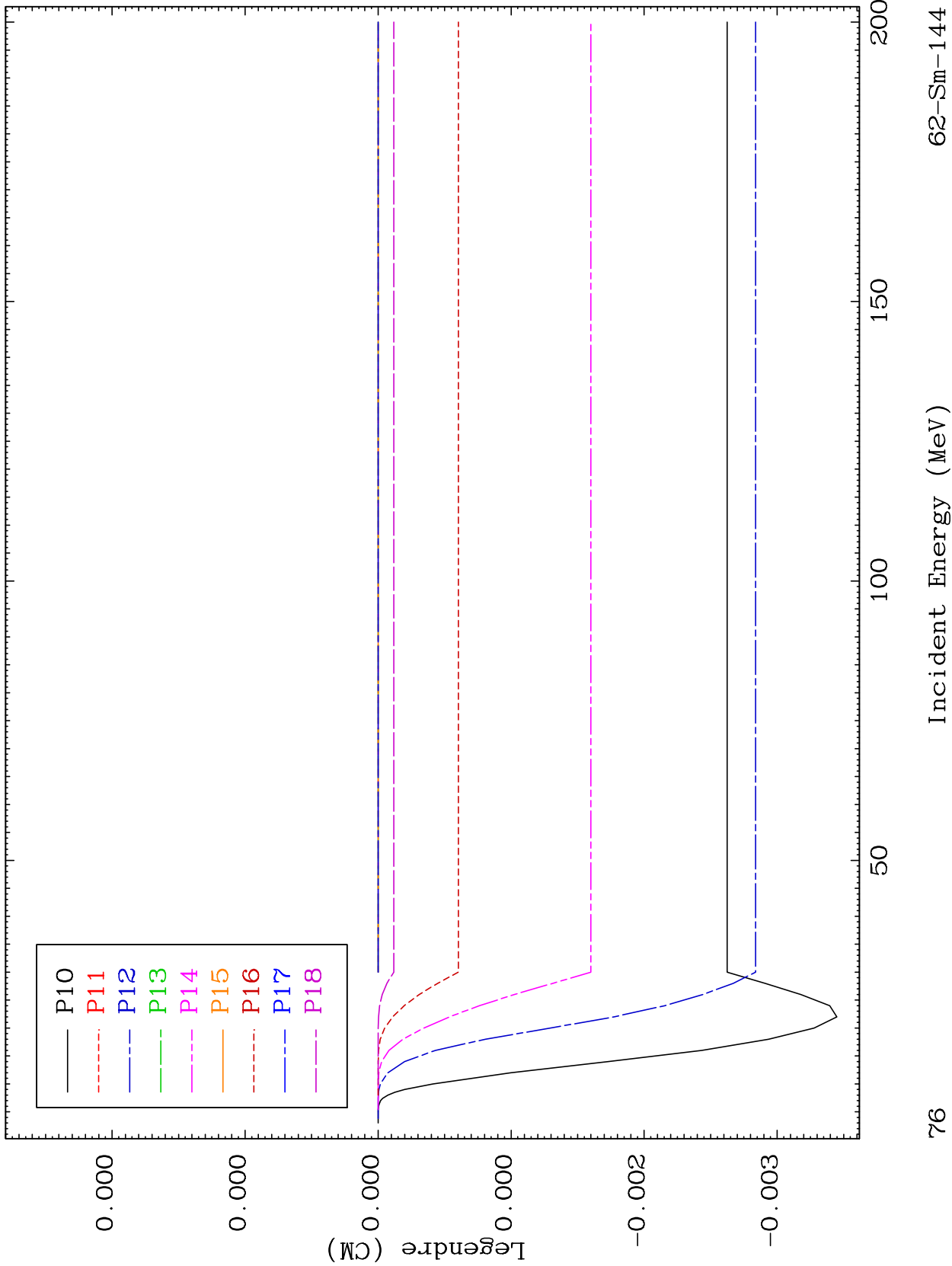


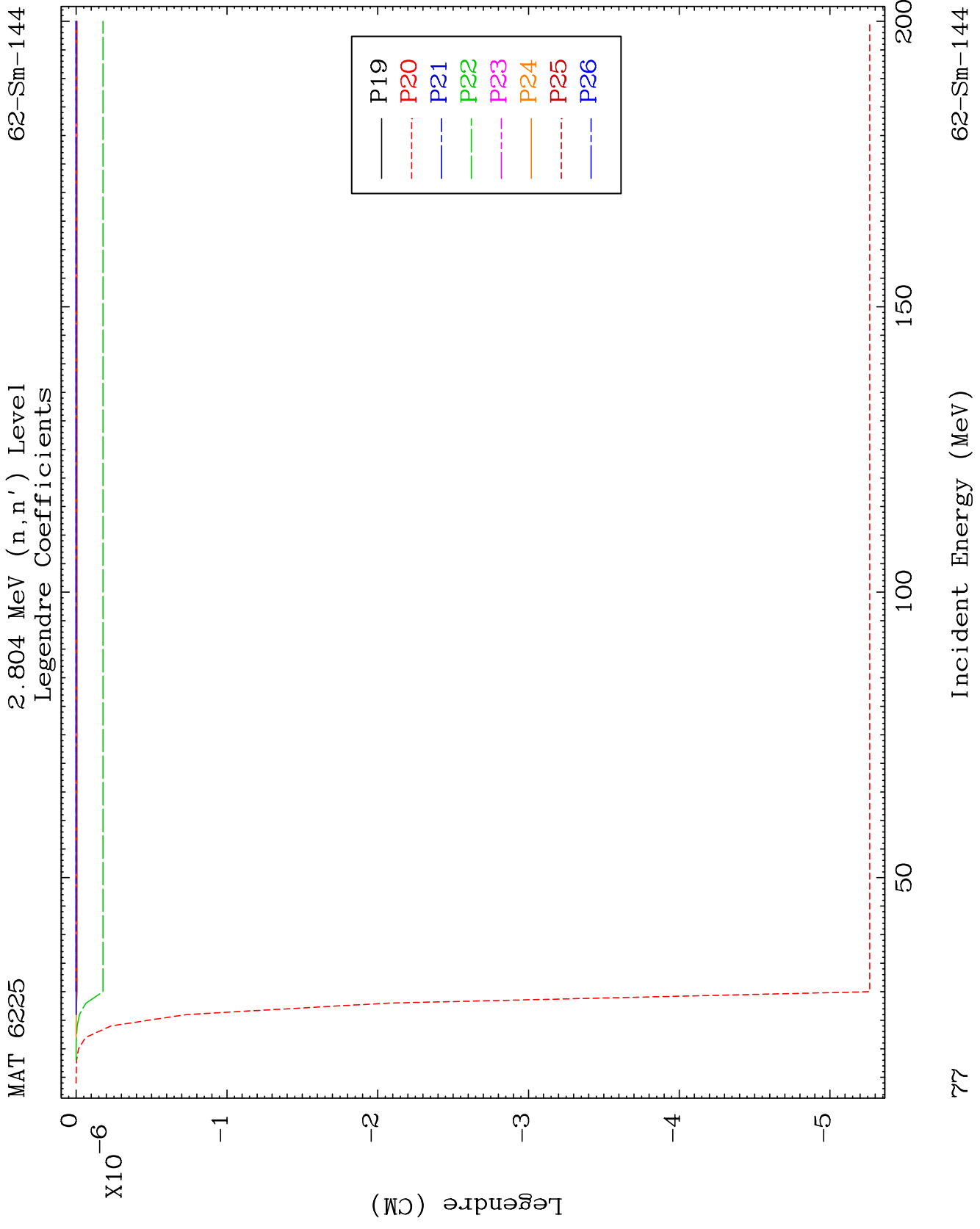
73

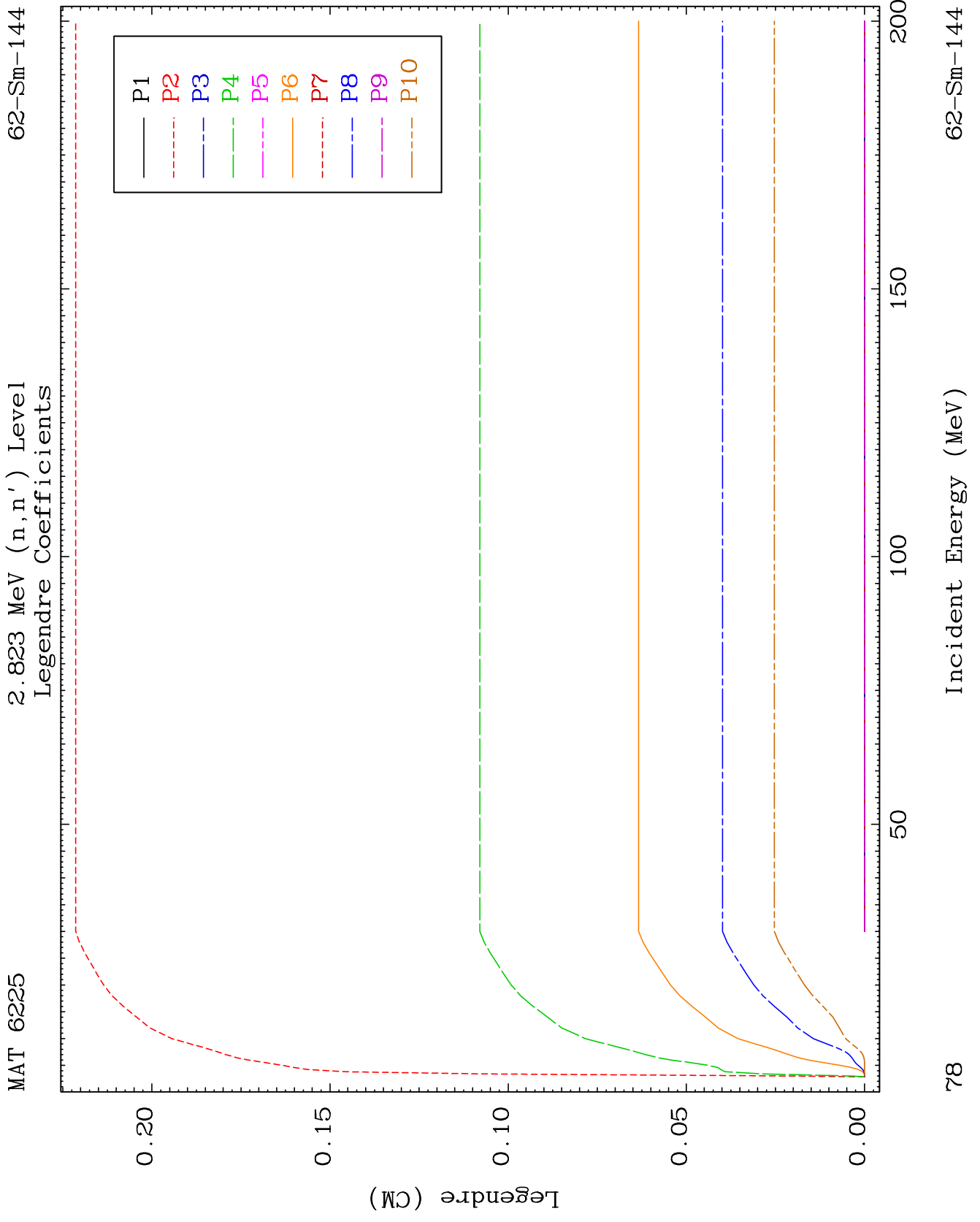
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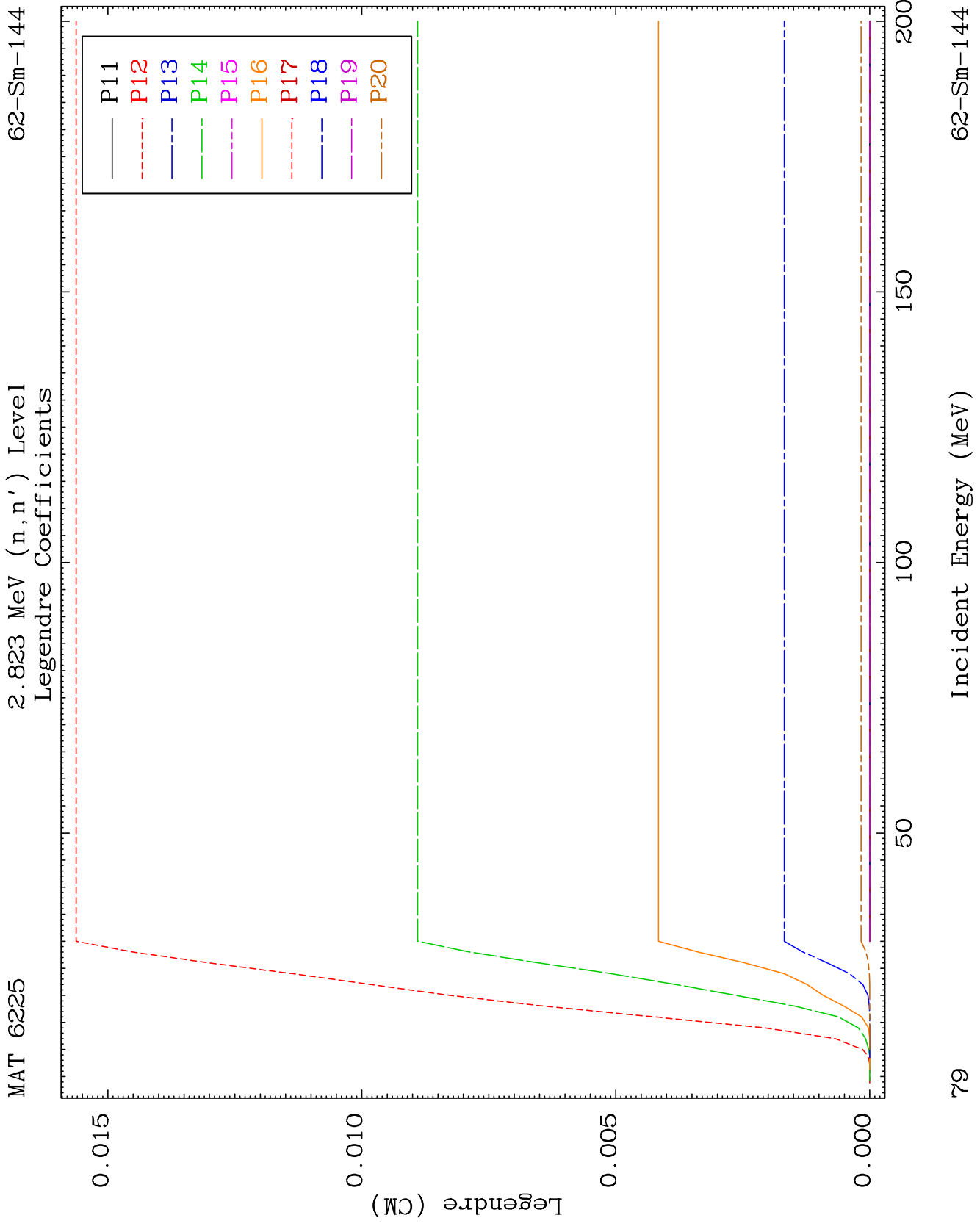




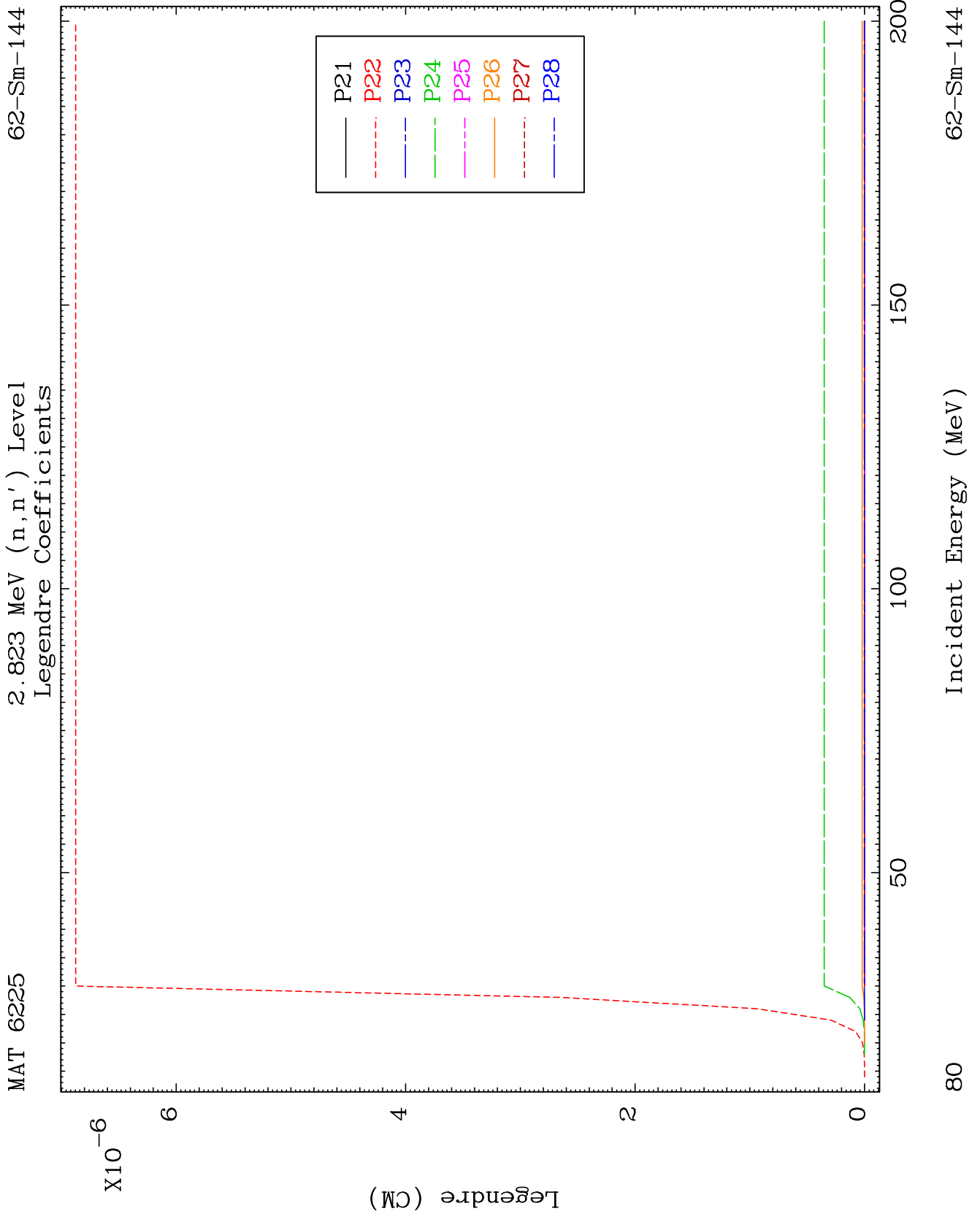


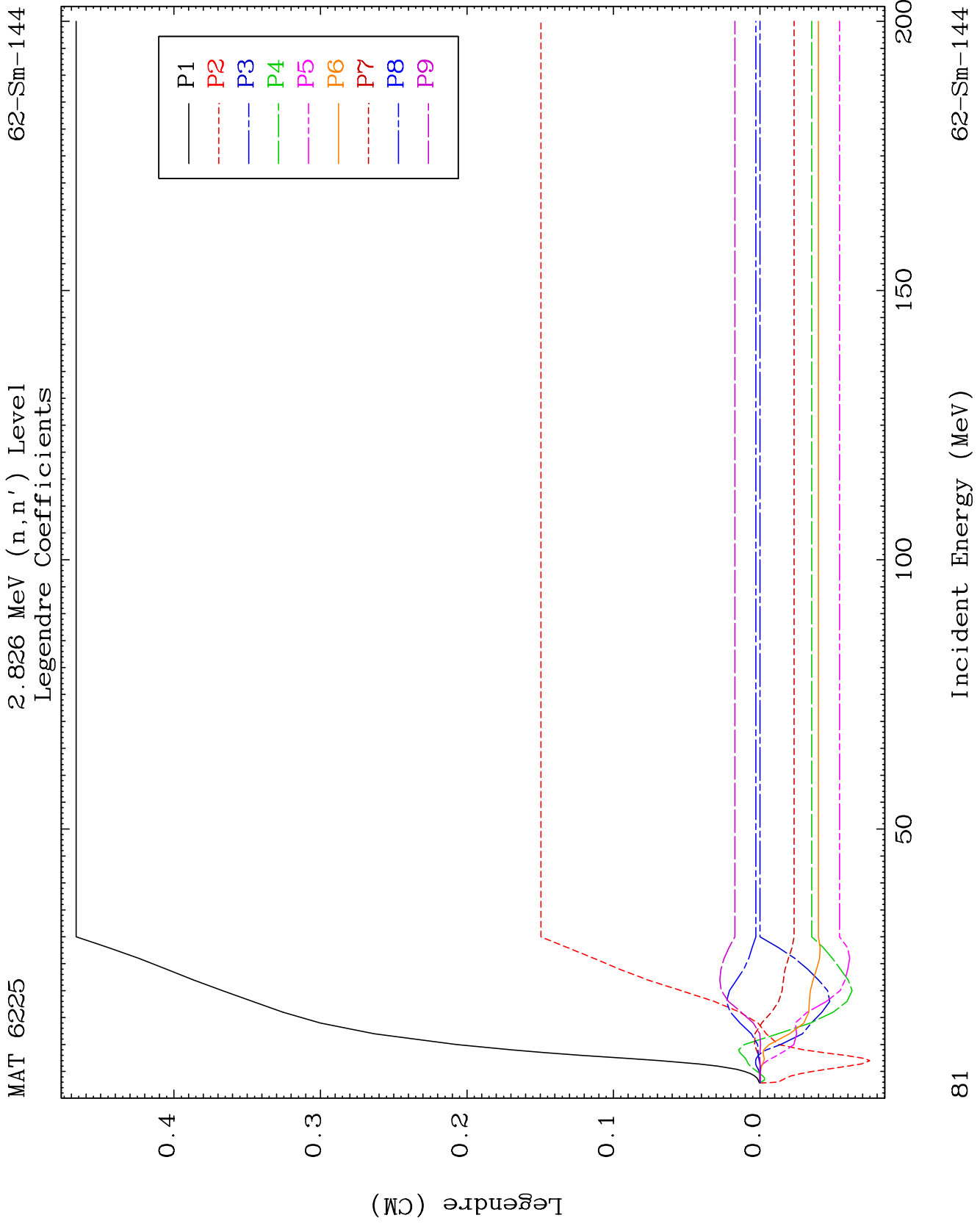


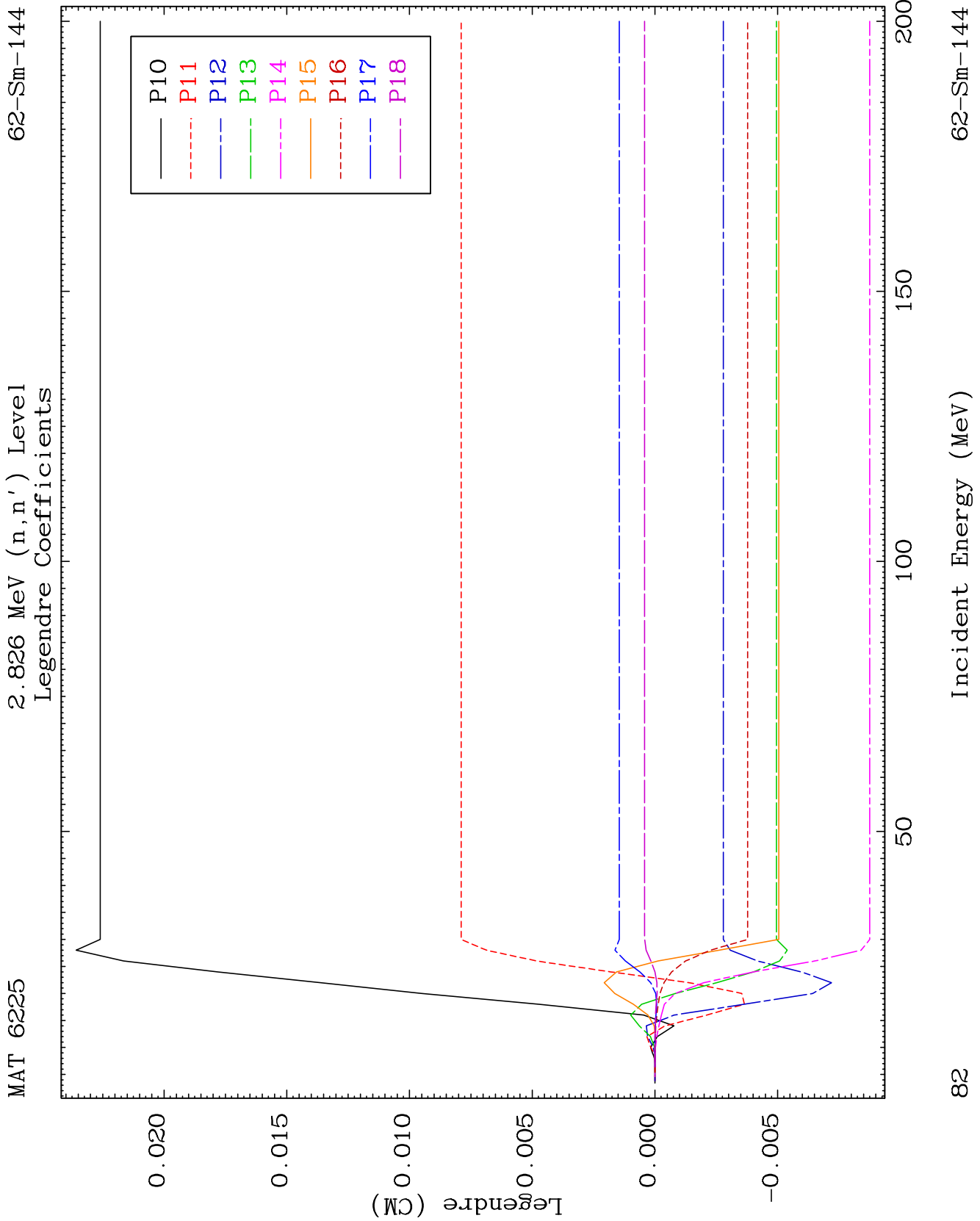


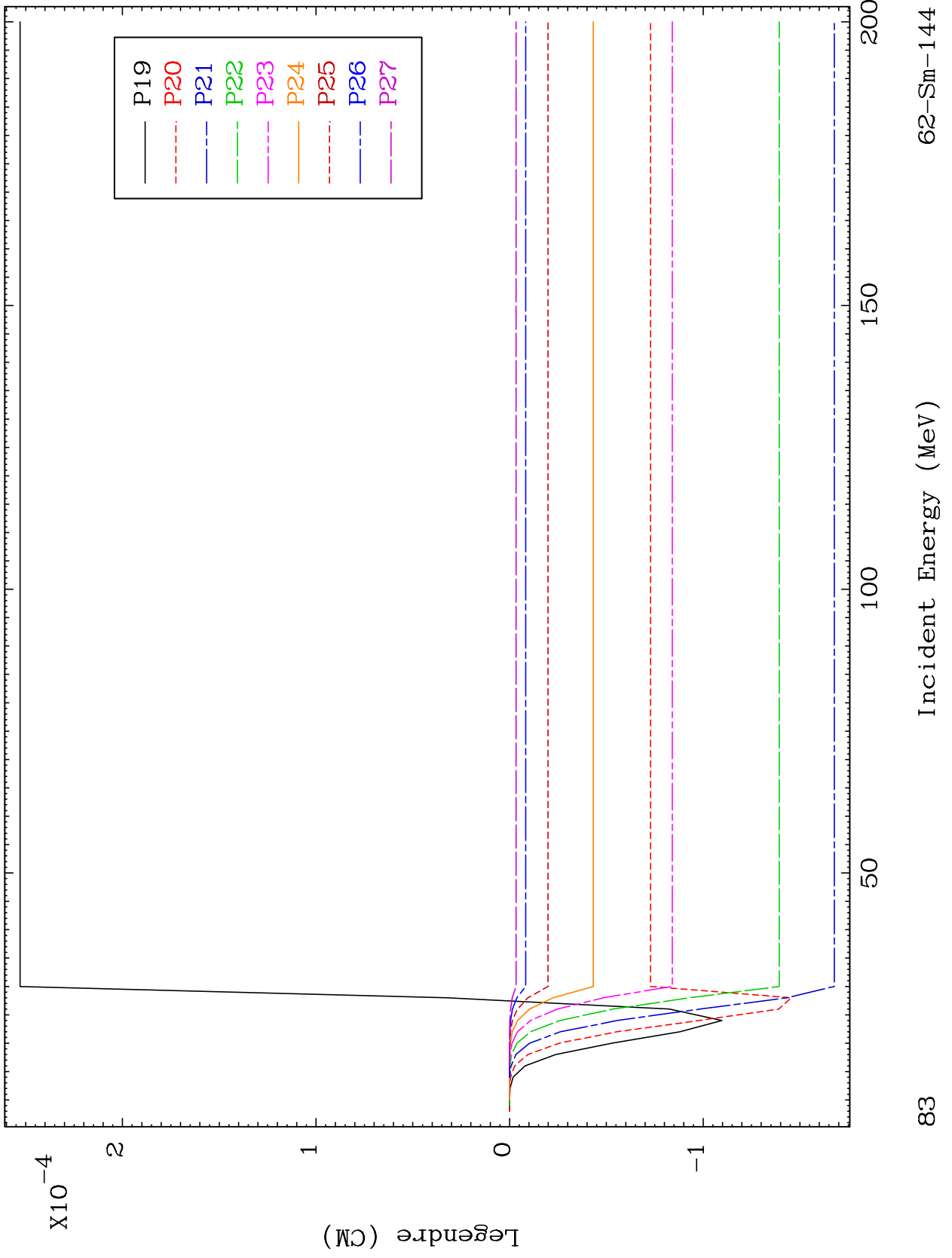


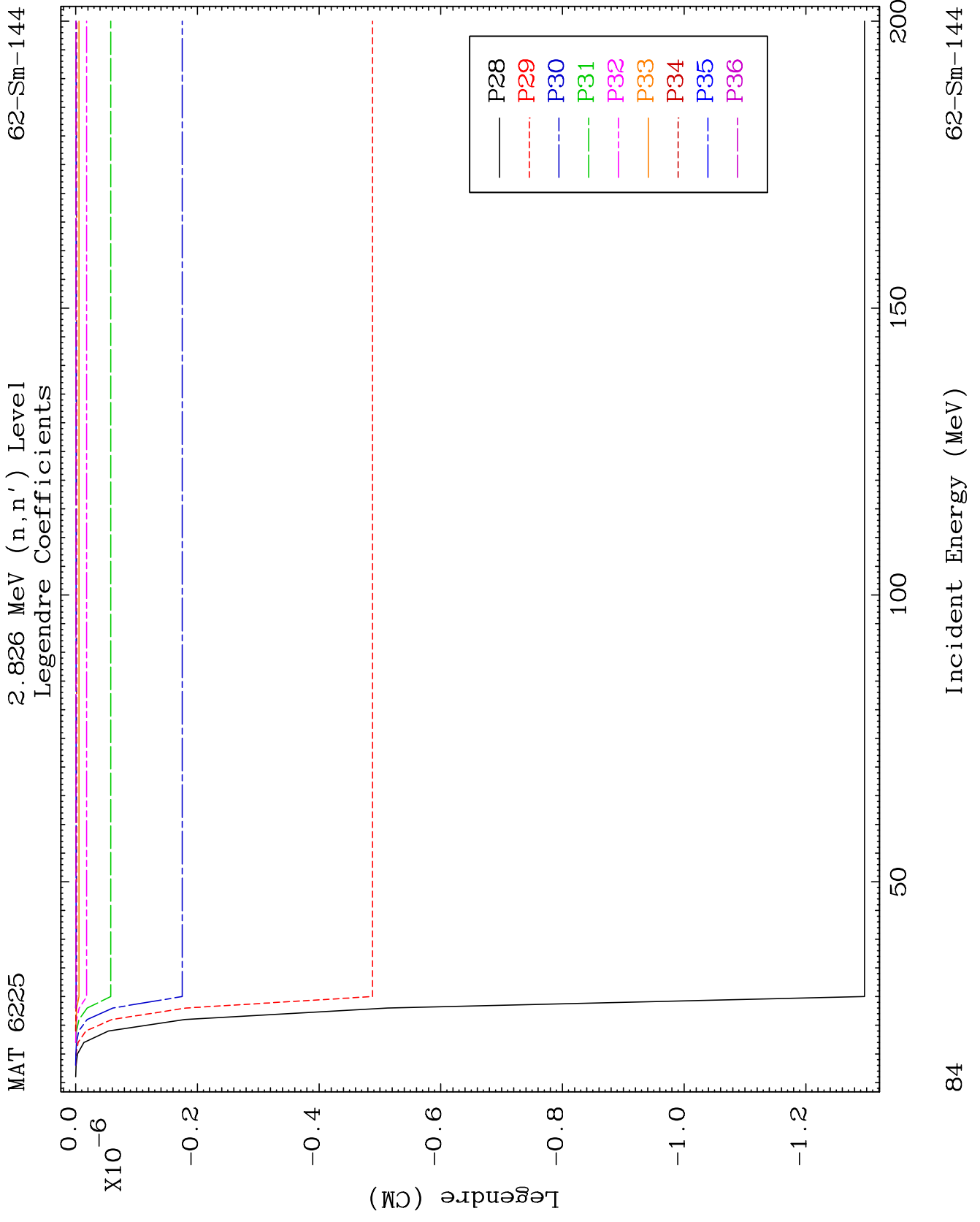


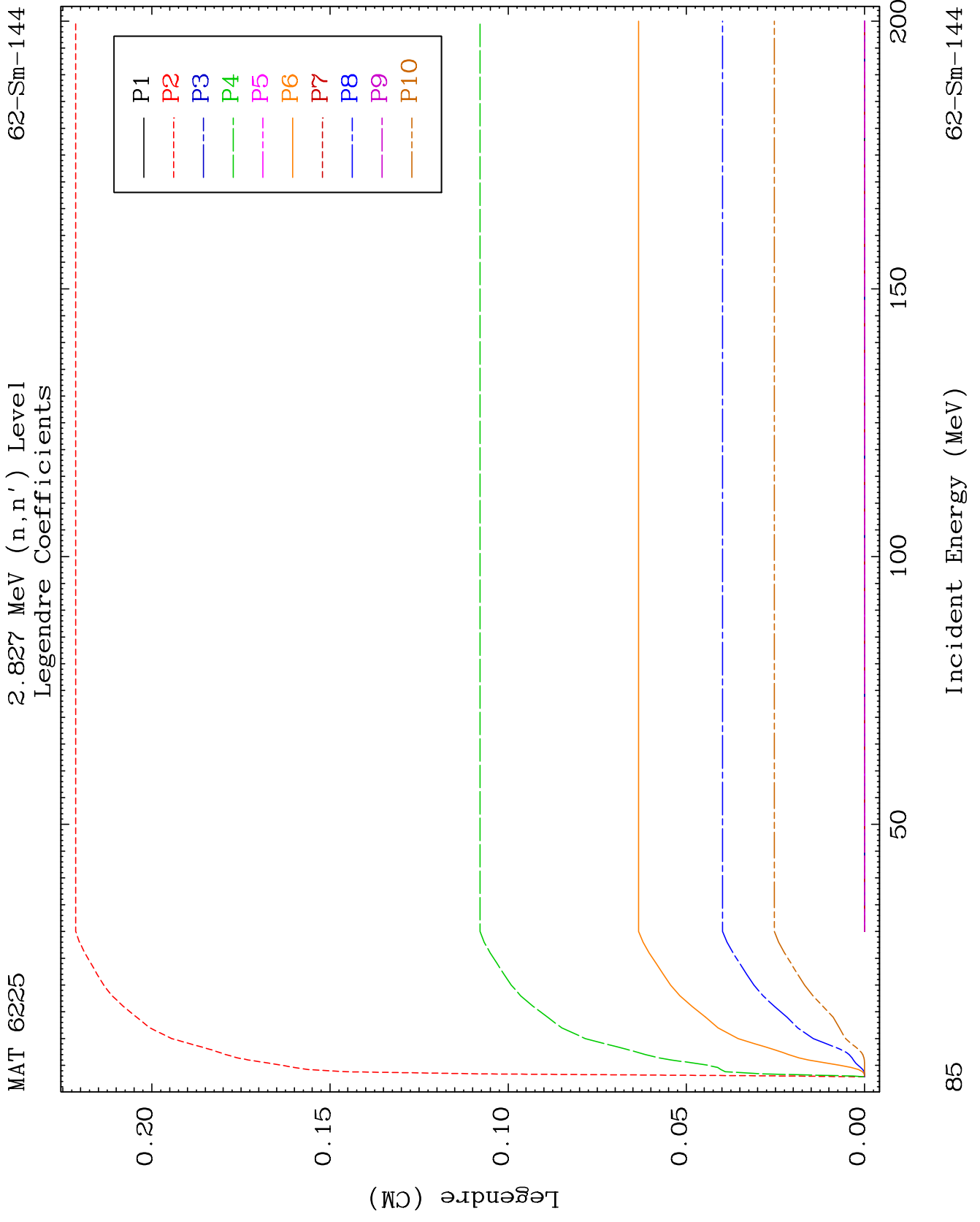


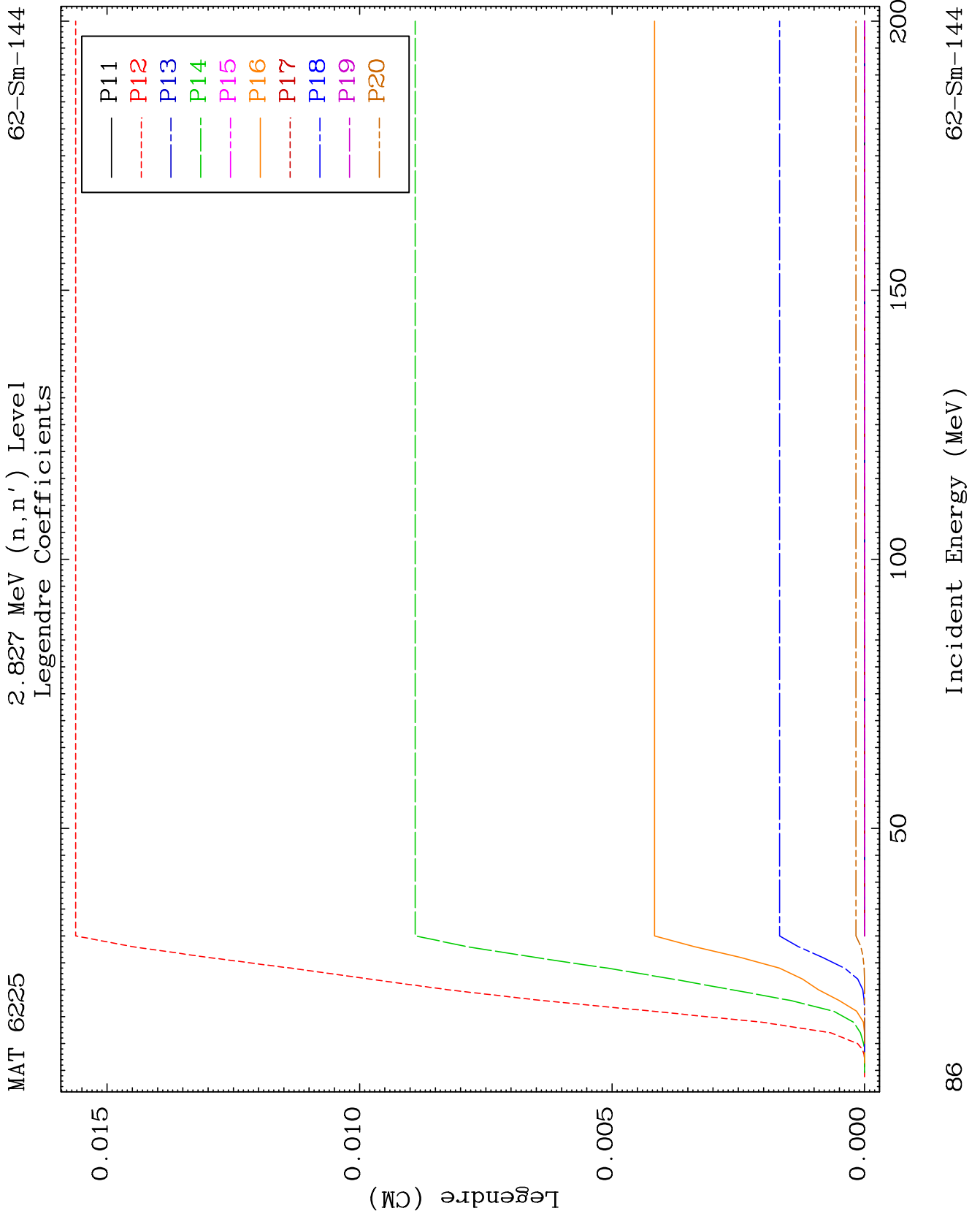


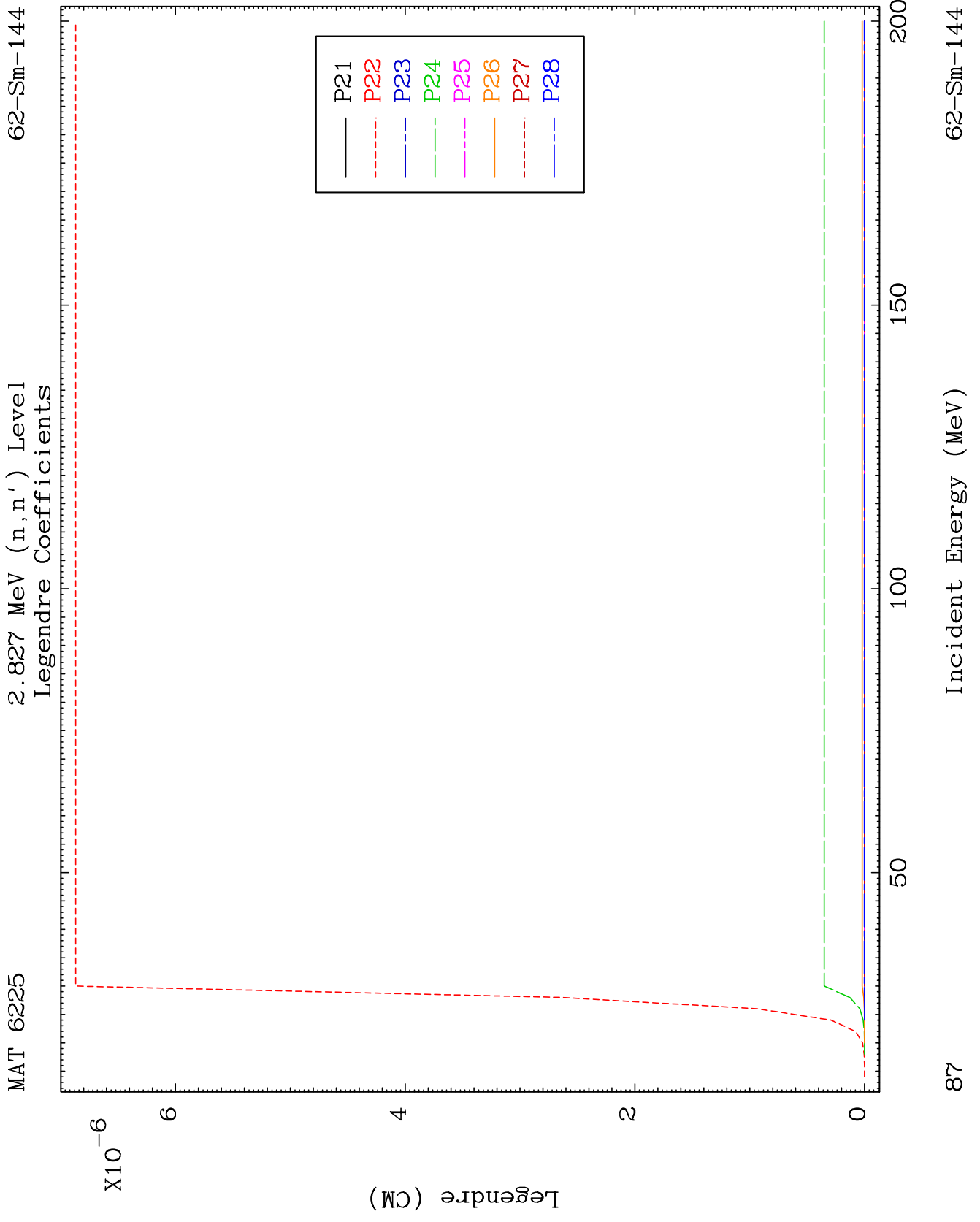




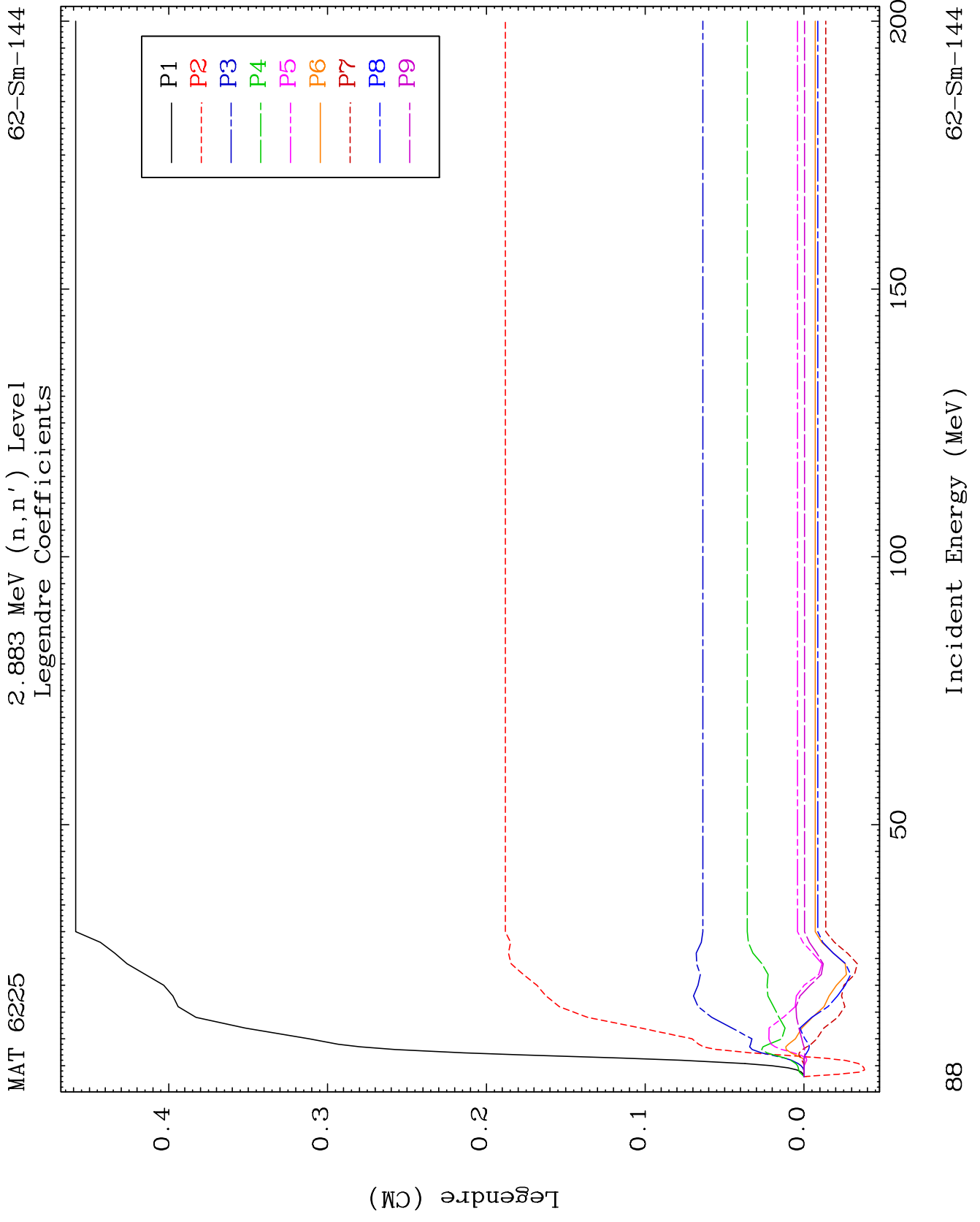








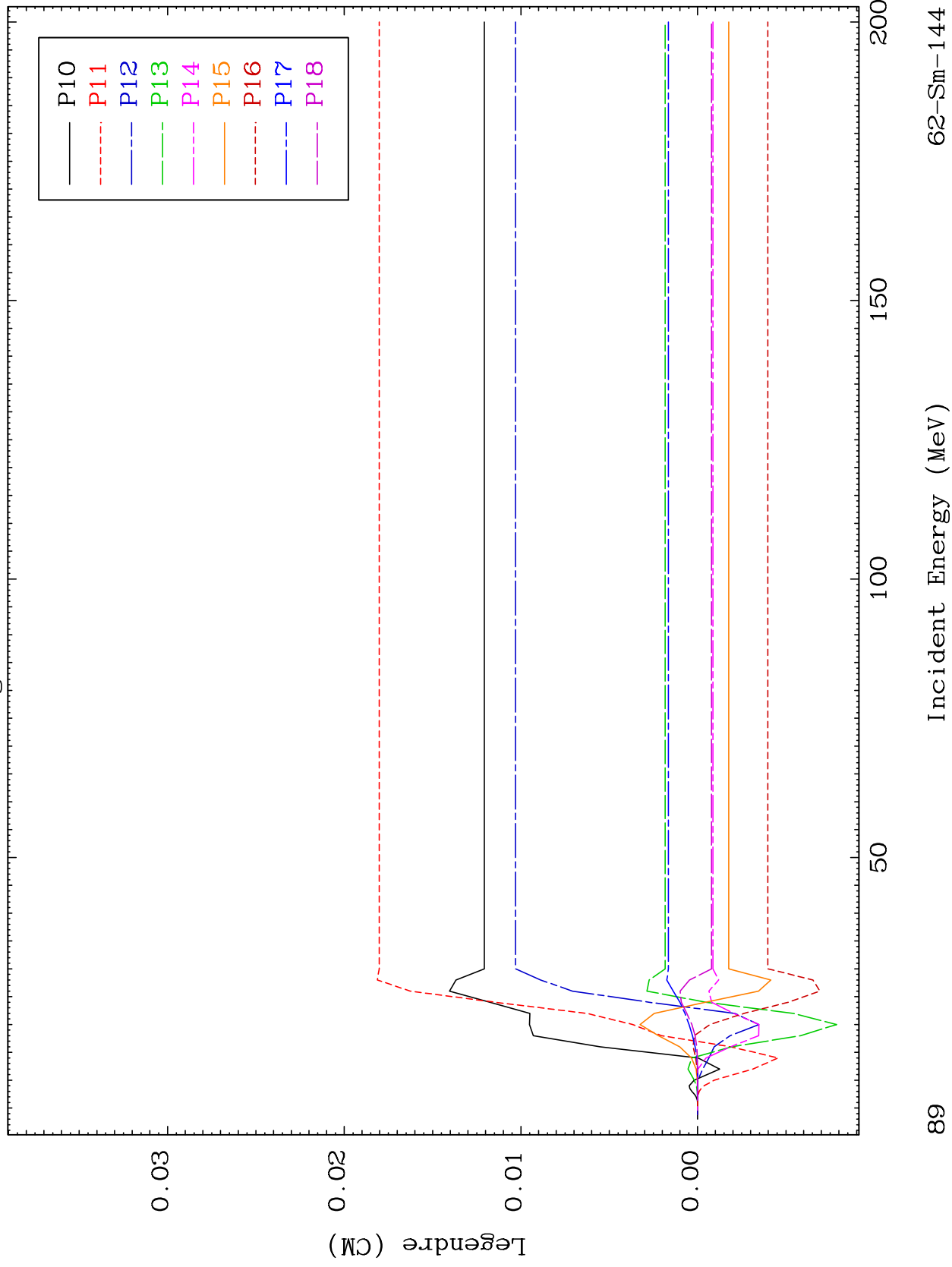




MAT 6225

2.883 MeV (n,n') Level  
Legendre Coefficients

62-Sm-144



89

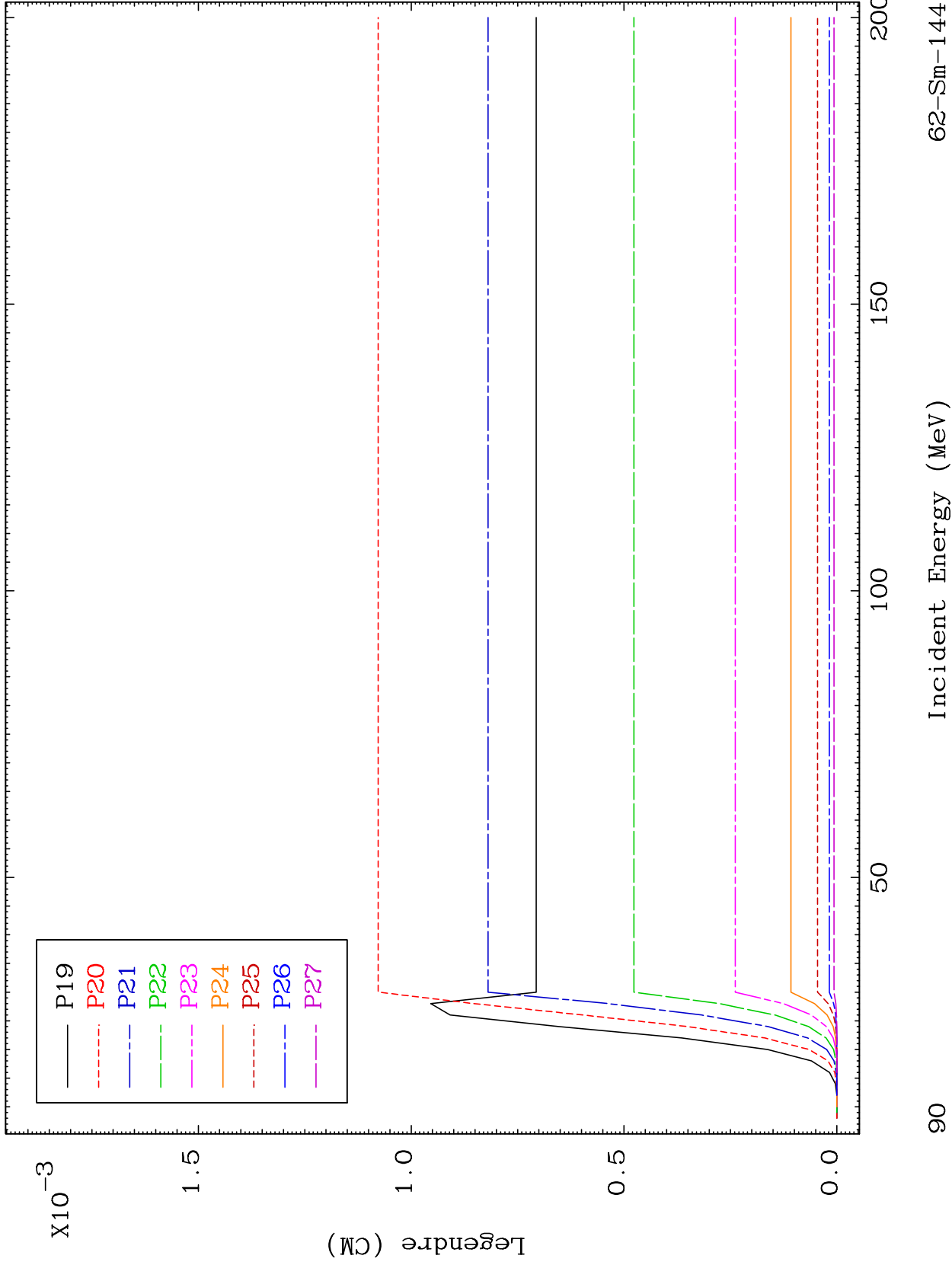
Incident Energy (MeV)

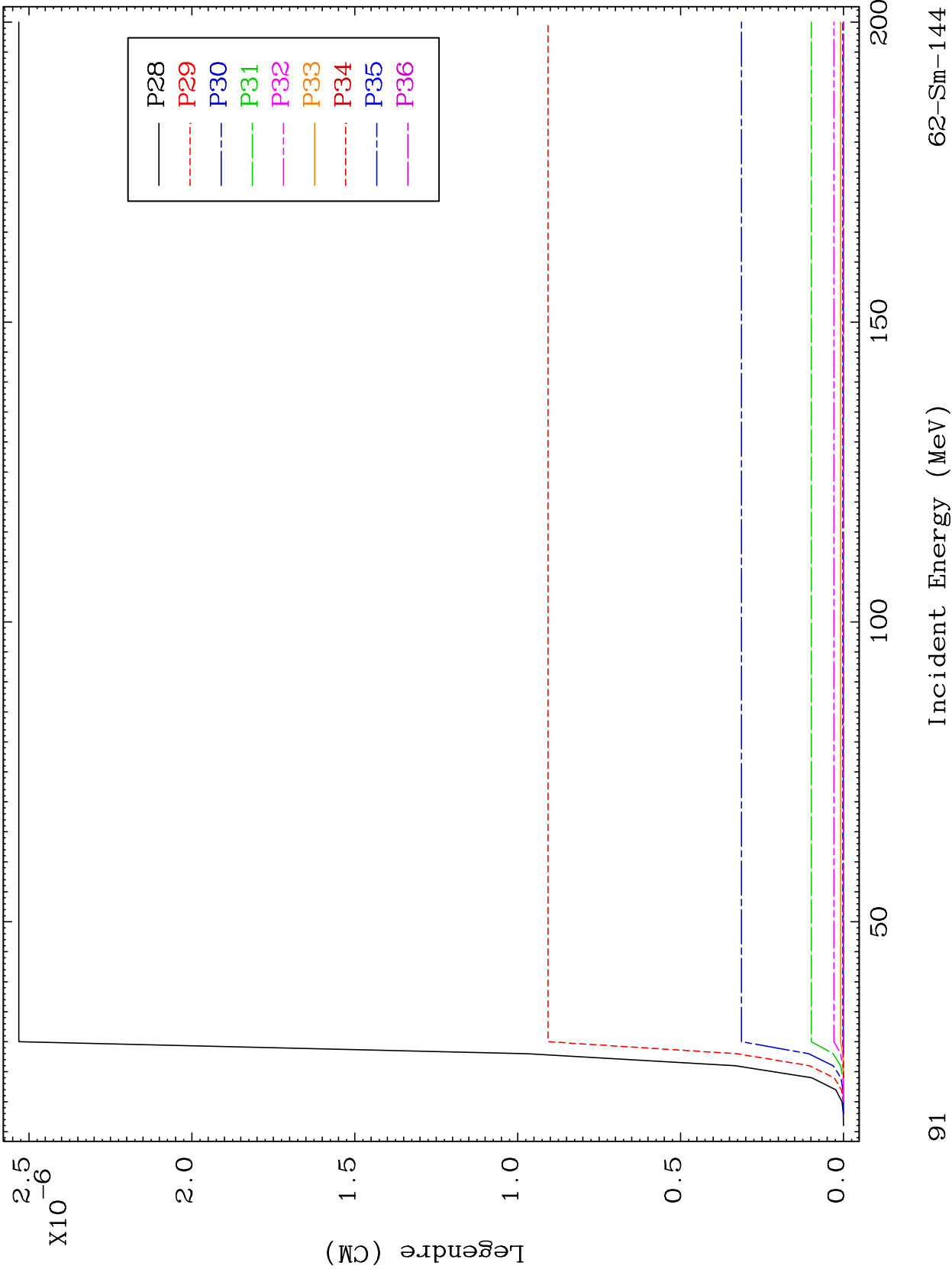
62-Sm-144

MAT 6225

2.883 MeV (n, n') Level  
Legendre Coefficients

62-Sm-144

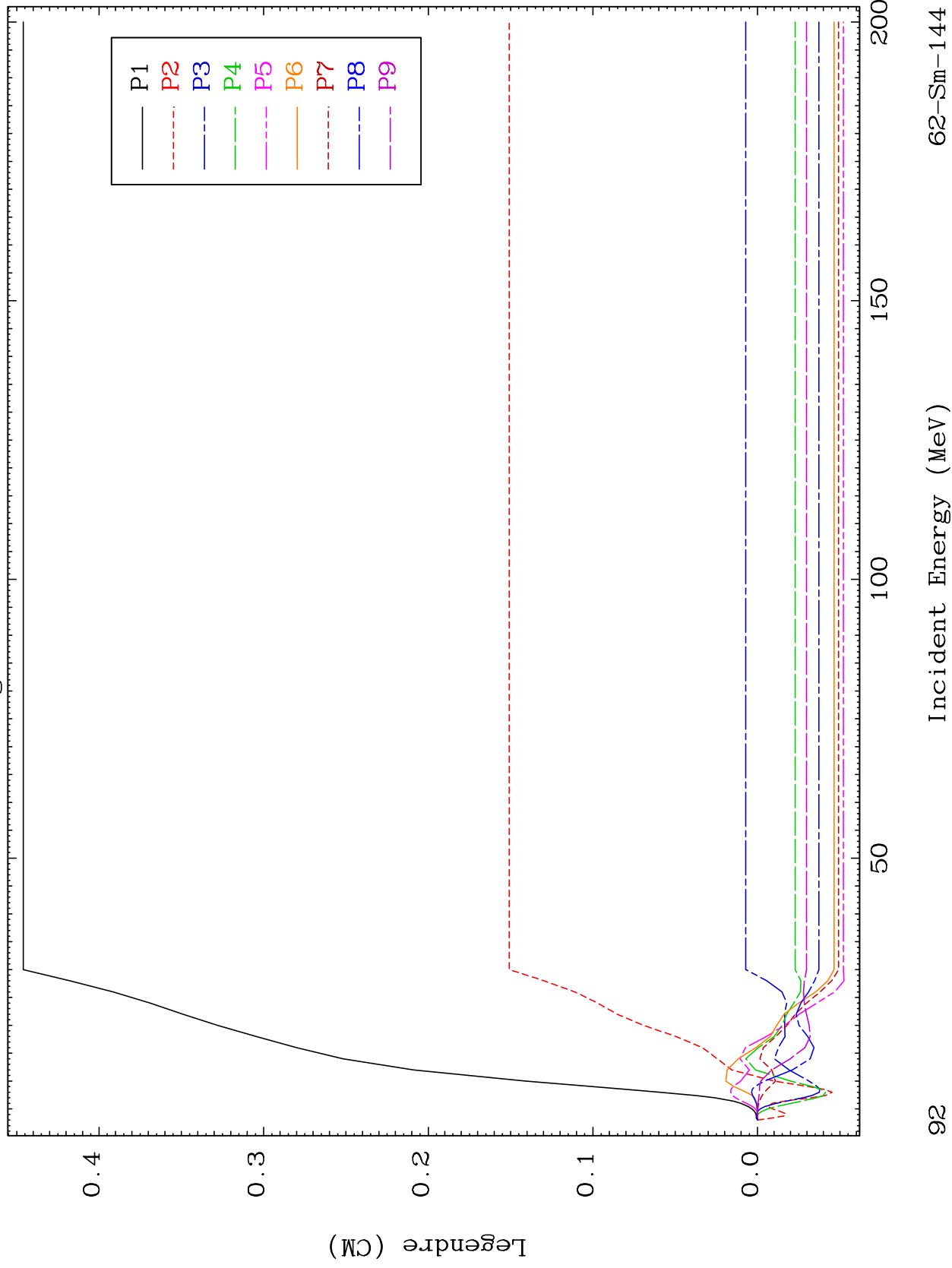




MAT 6225

2.976 MeV (n,n') Level  
Legendre Coefficients

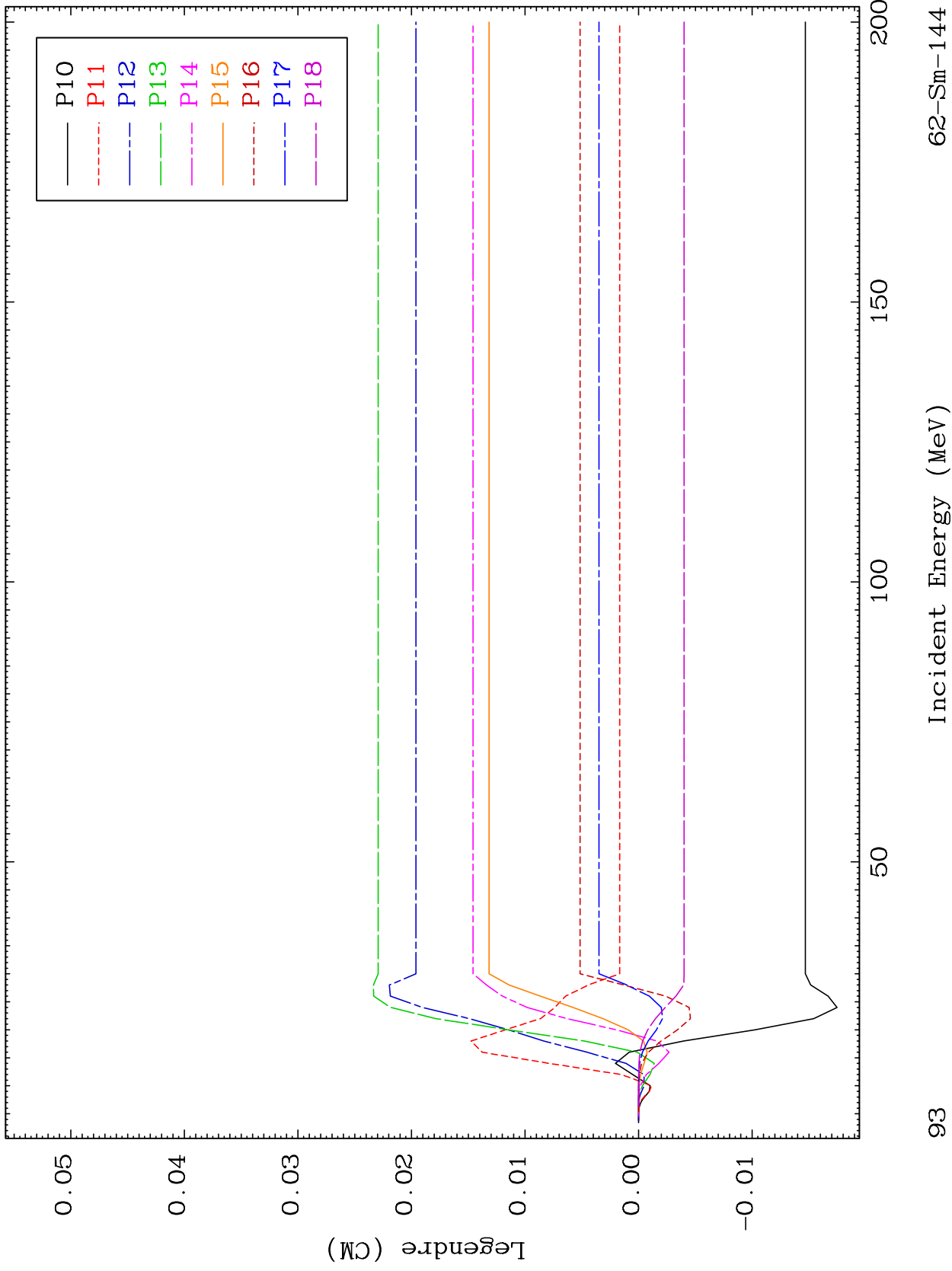
62-Sm-144



92

Incident Energy (MeV)

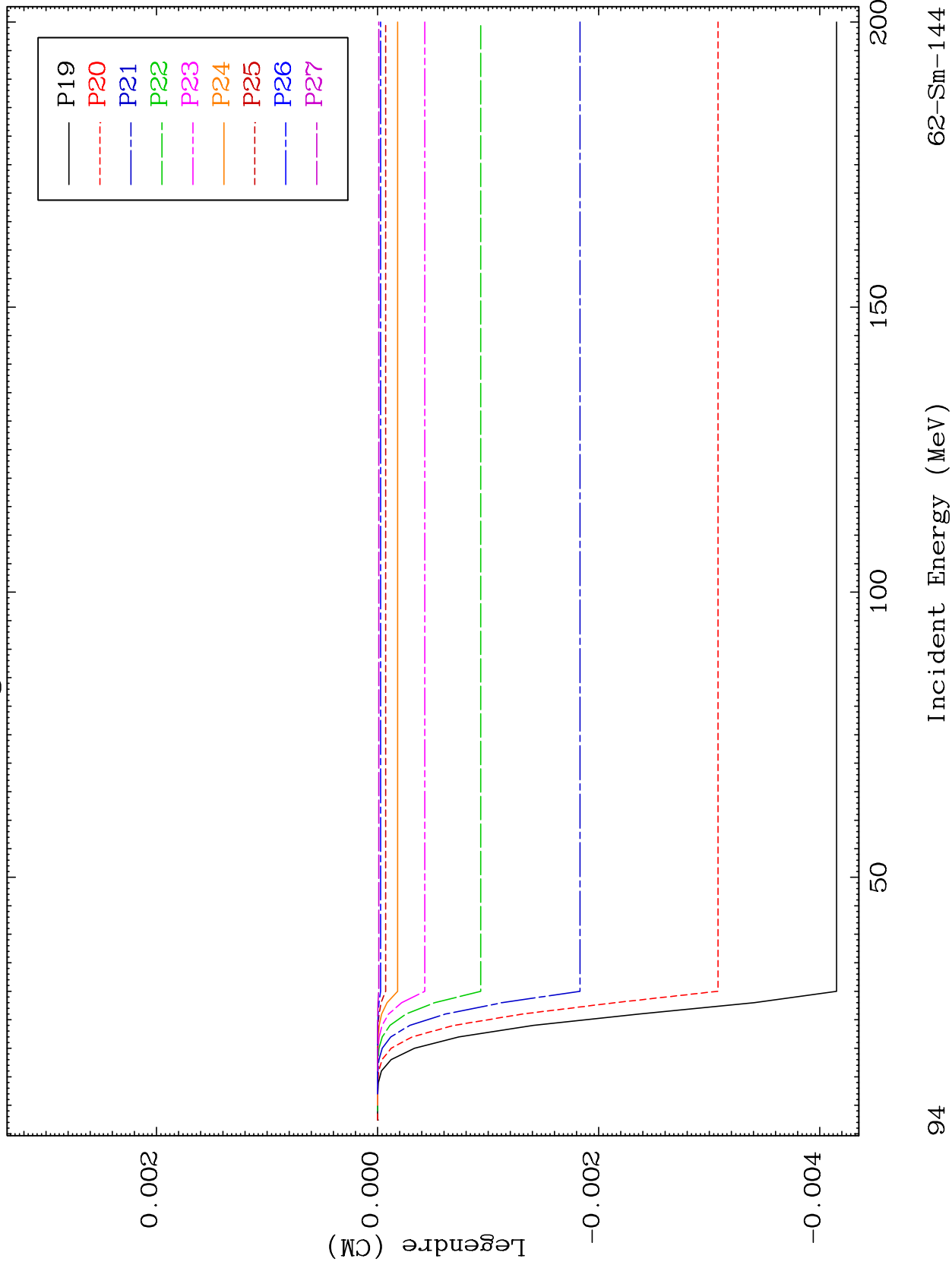
62-Sm-144



MAT 6225

2.976 MeV (n,n') Level  
Legendre Coefficients

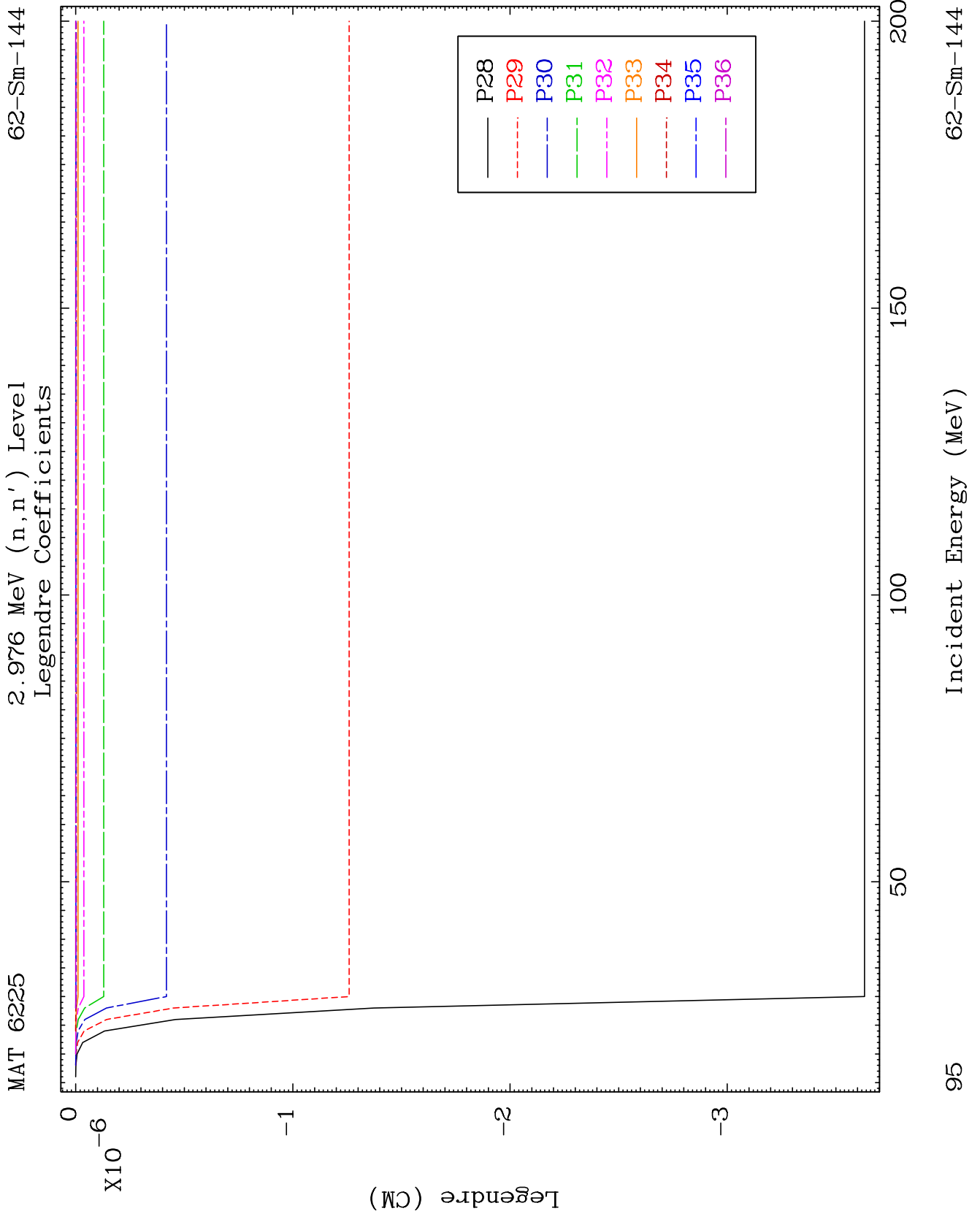
62-Sm-144



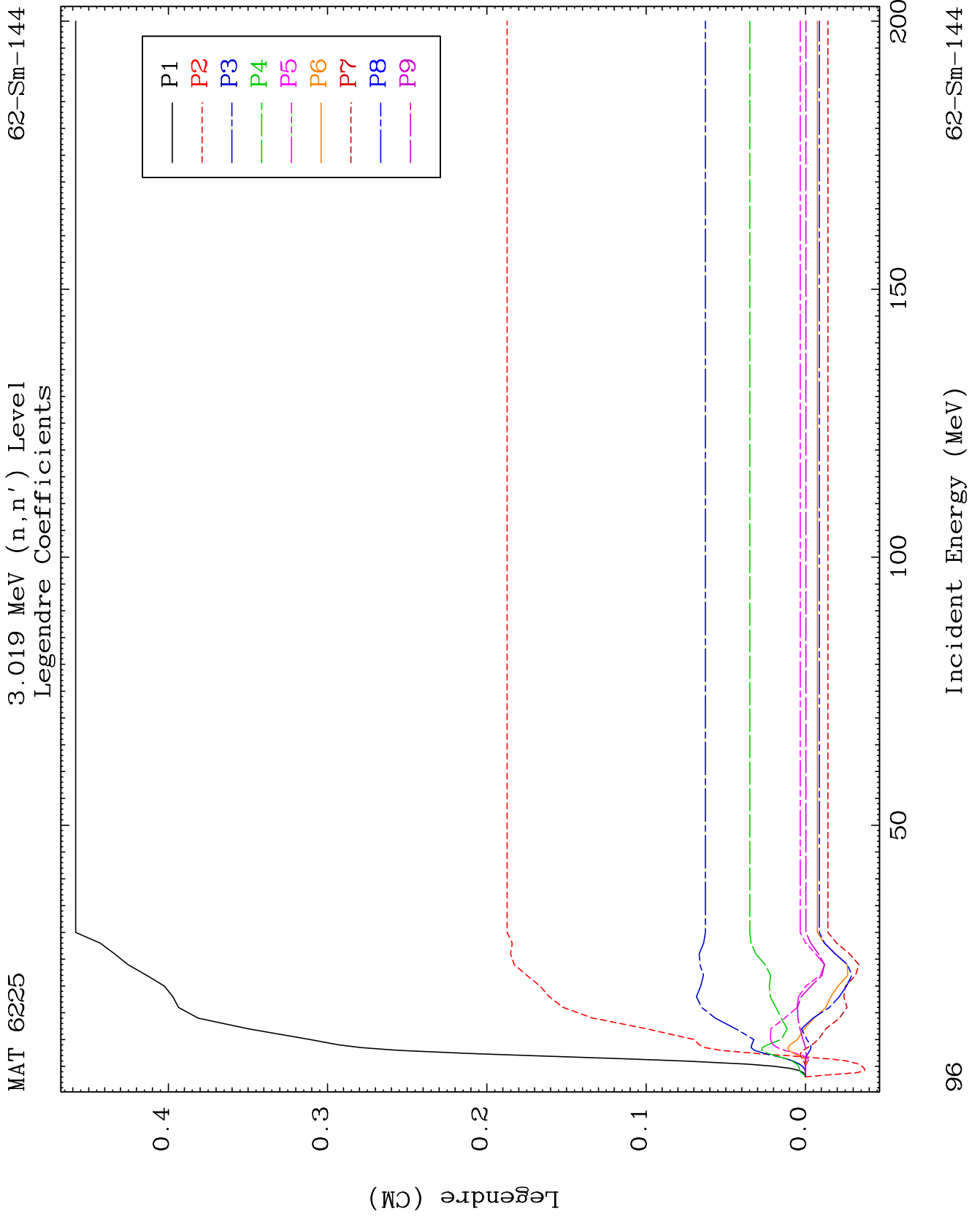
94

Incident Energy (MeV)

62-Sm-144



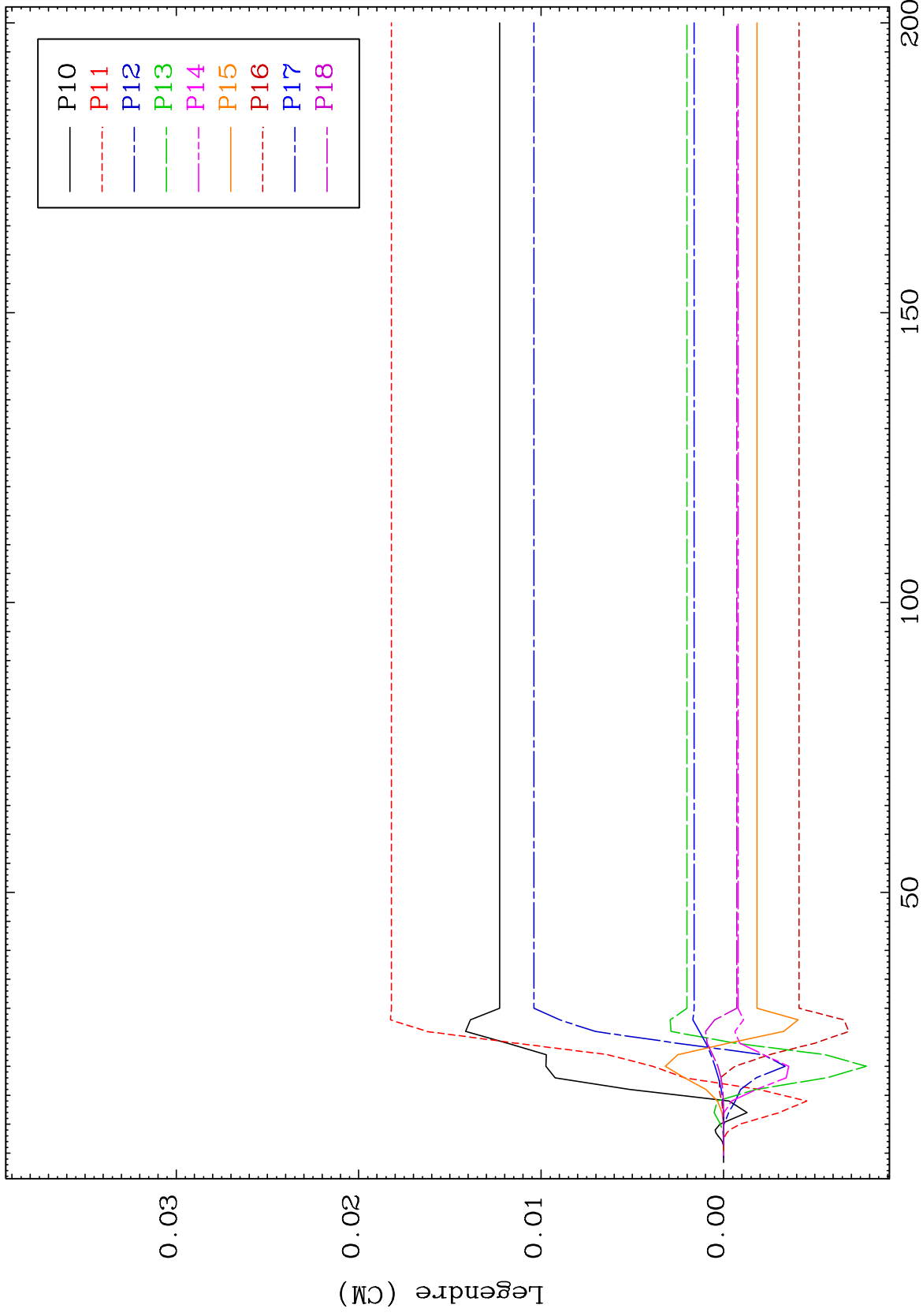




MAT 6225

3.019 MeV (n,n') Level  
Legendre Coefficients

62-Sm-144



97

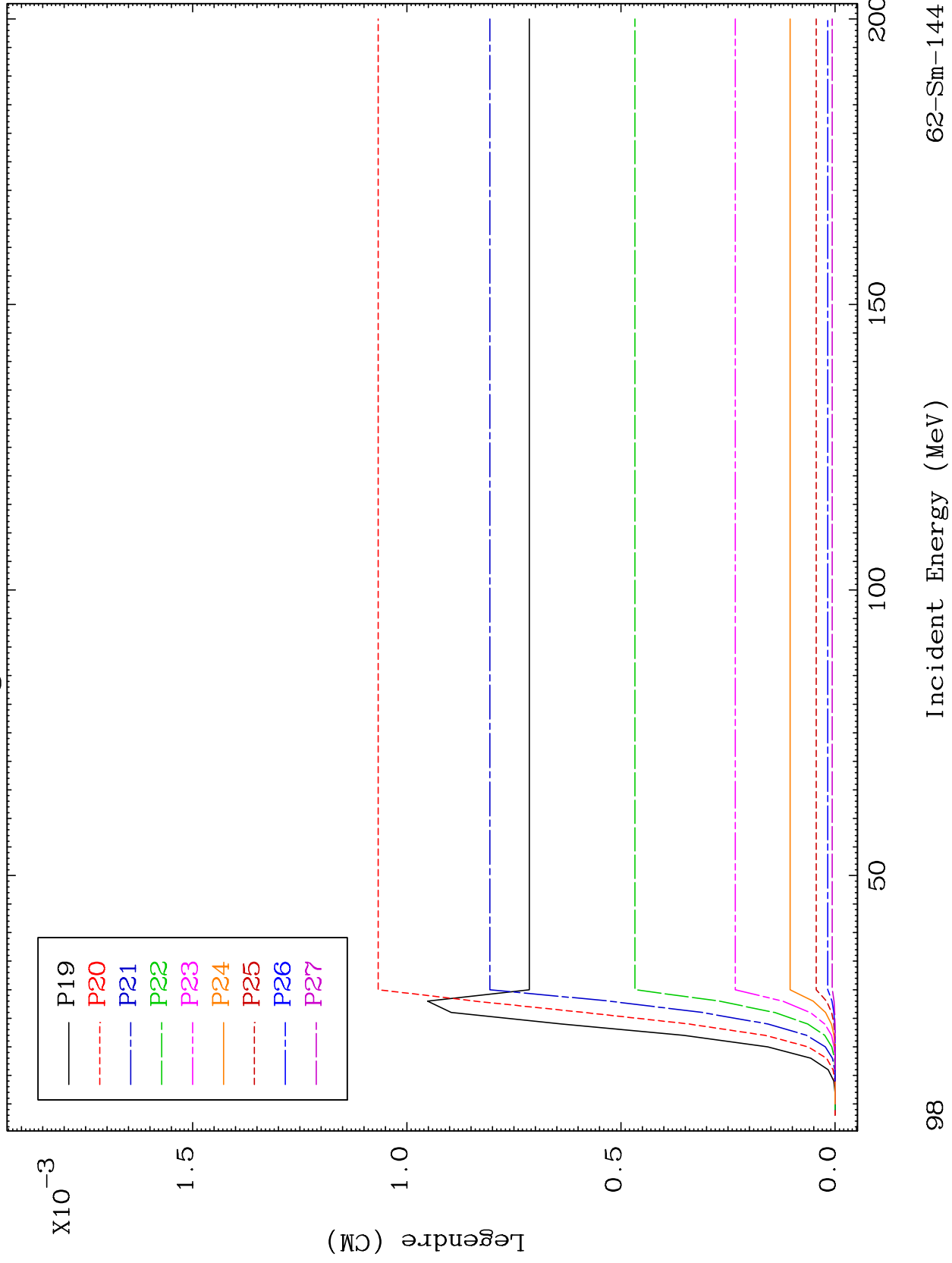
Incident Energy (MeV)

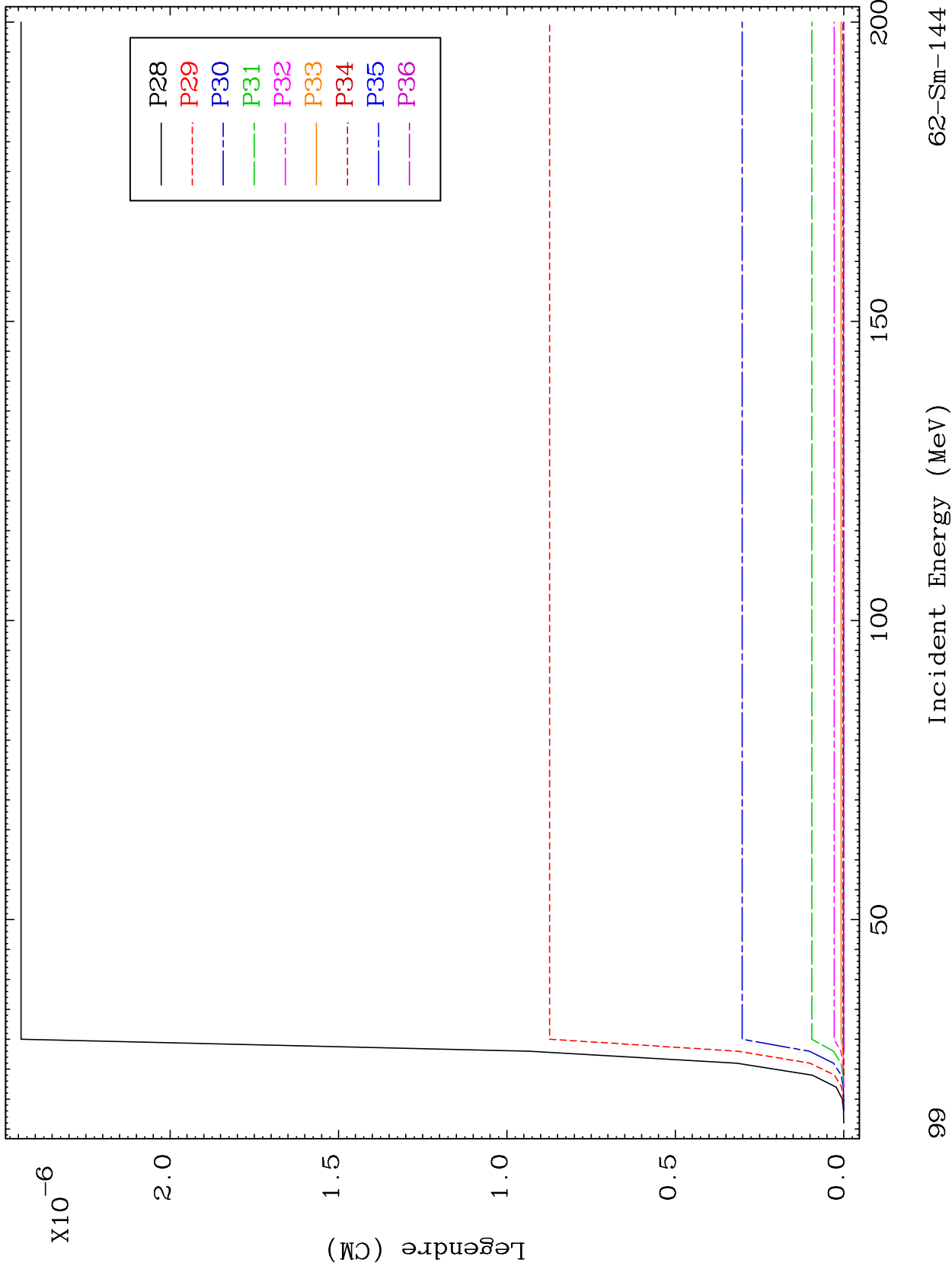
62-Sm-144

MAT 6225

3.019 MeV (n, n') Level  
Legendre Coefficients

62-Sm-144

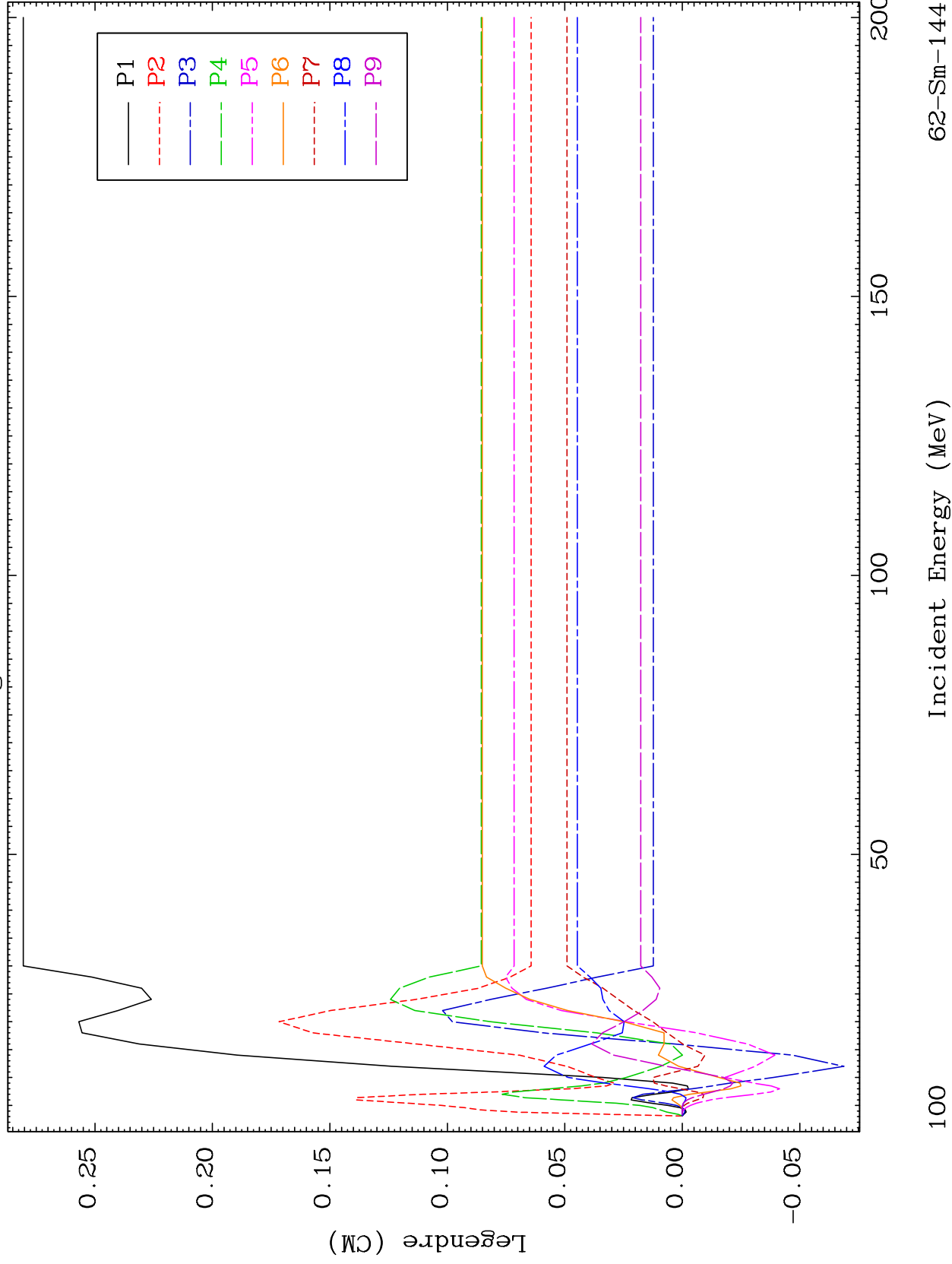




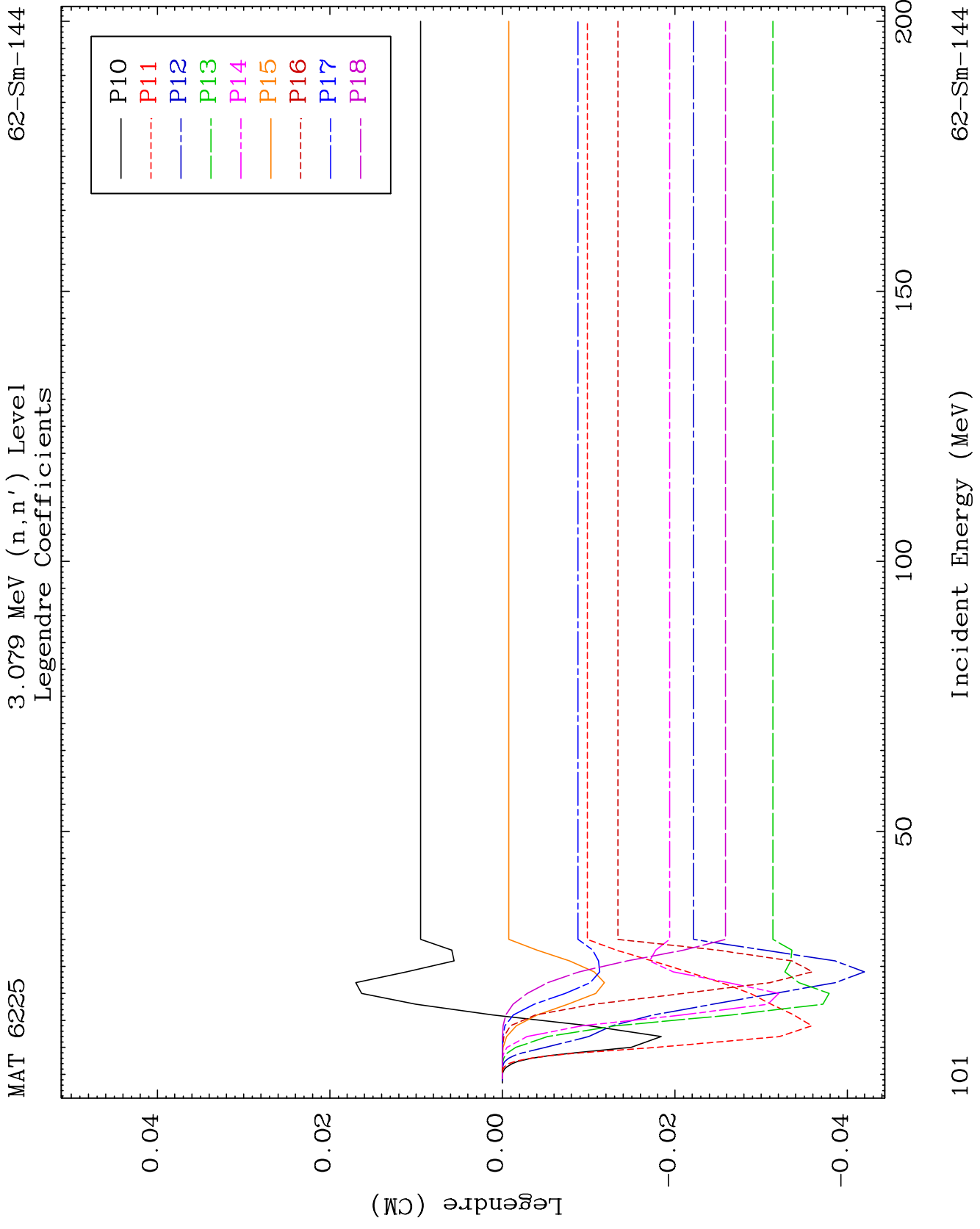
MAT 6225

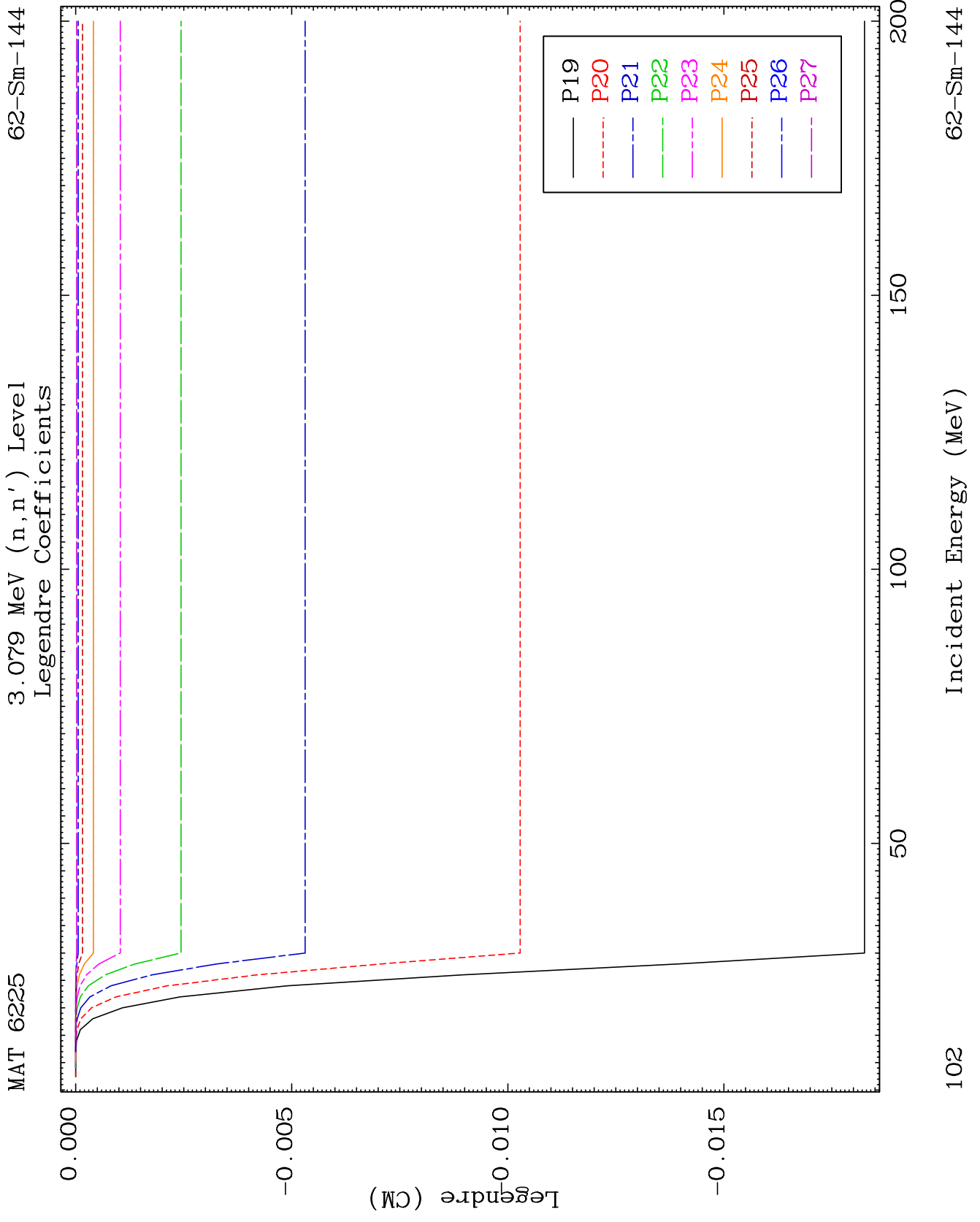
3.079 MeV (n,n') Level  
Legendre Coefficients

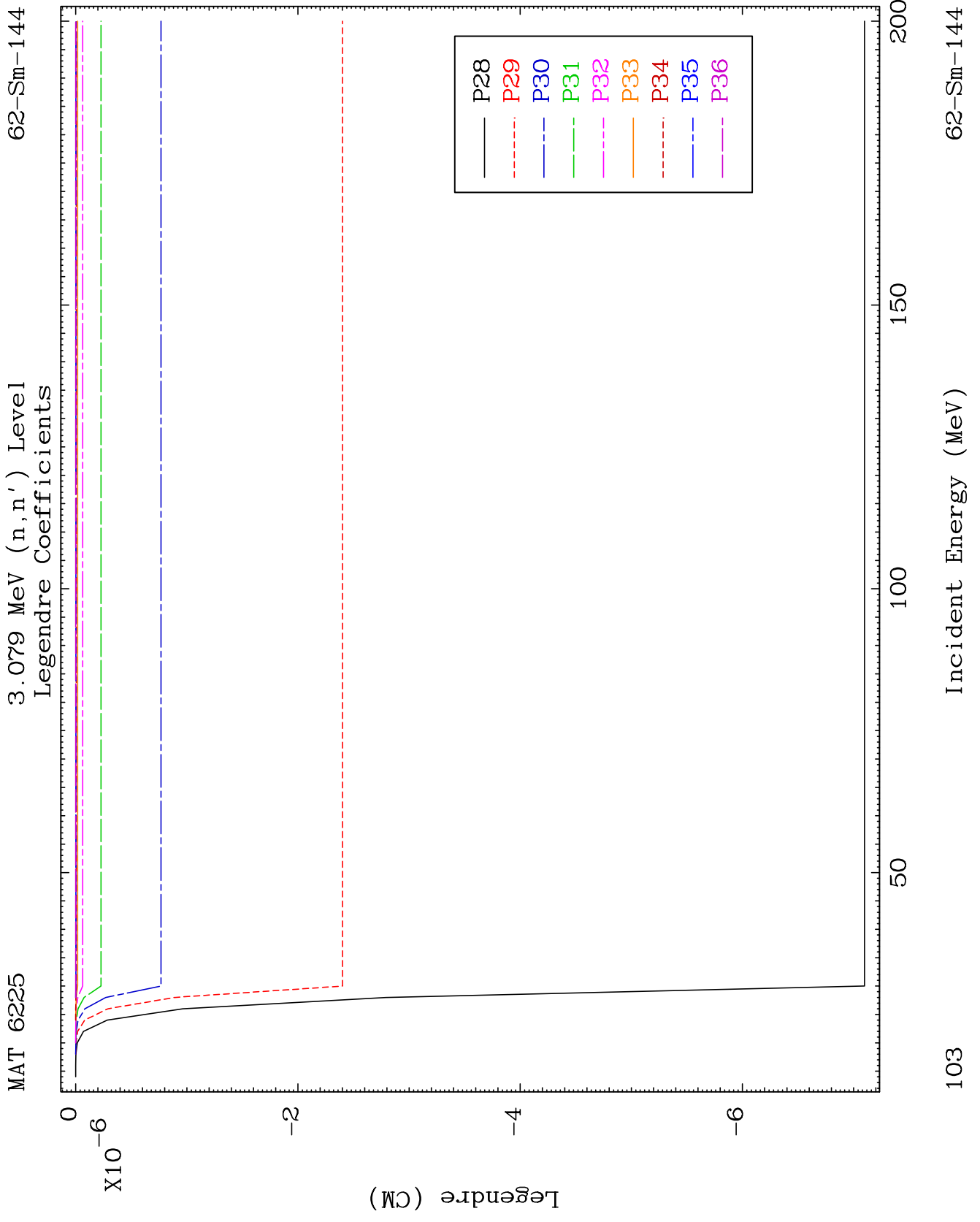
62-Sm-144



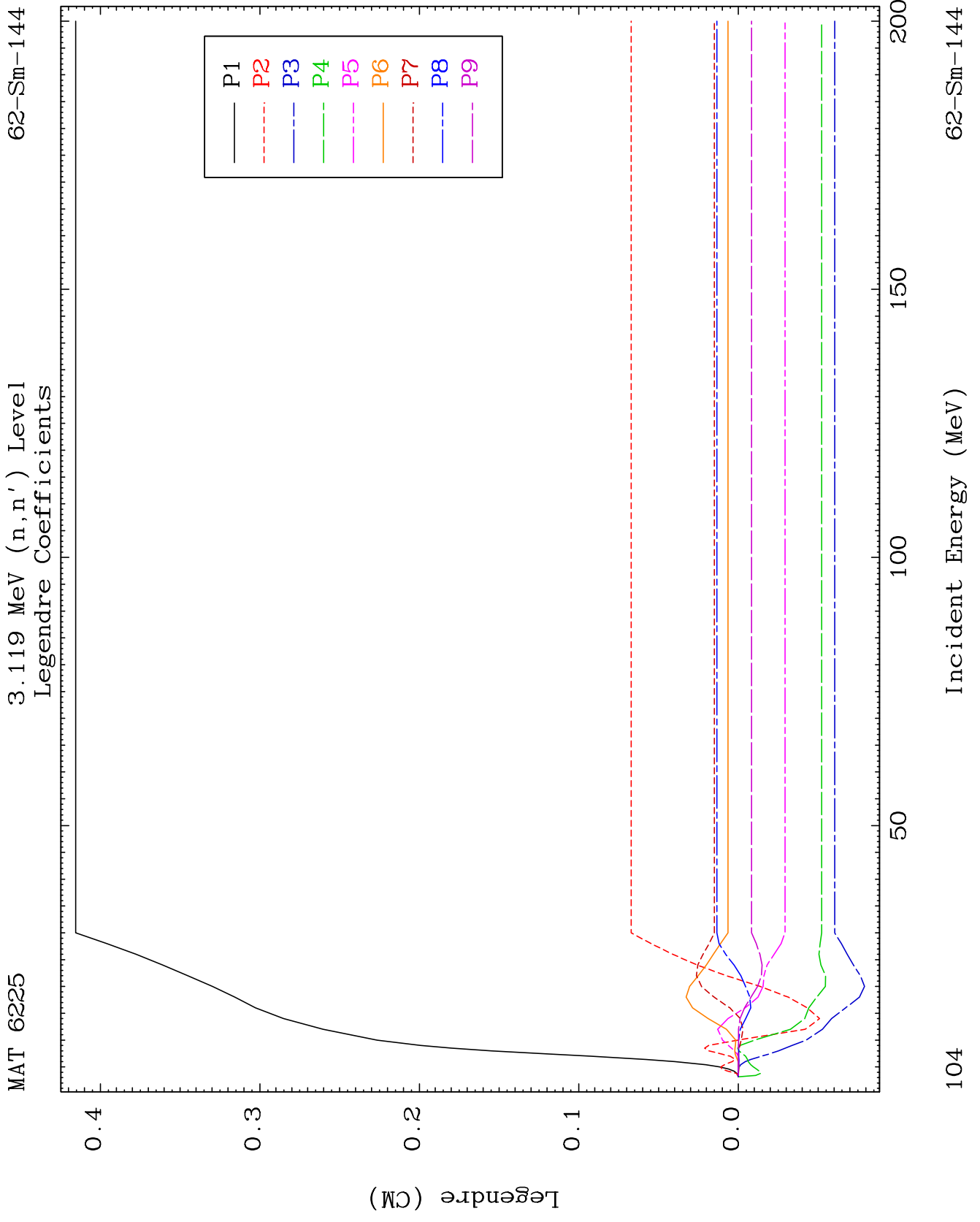
62-Sm-144









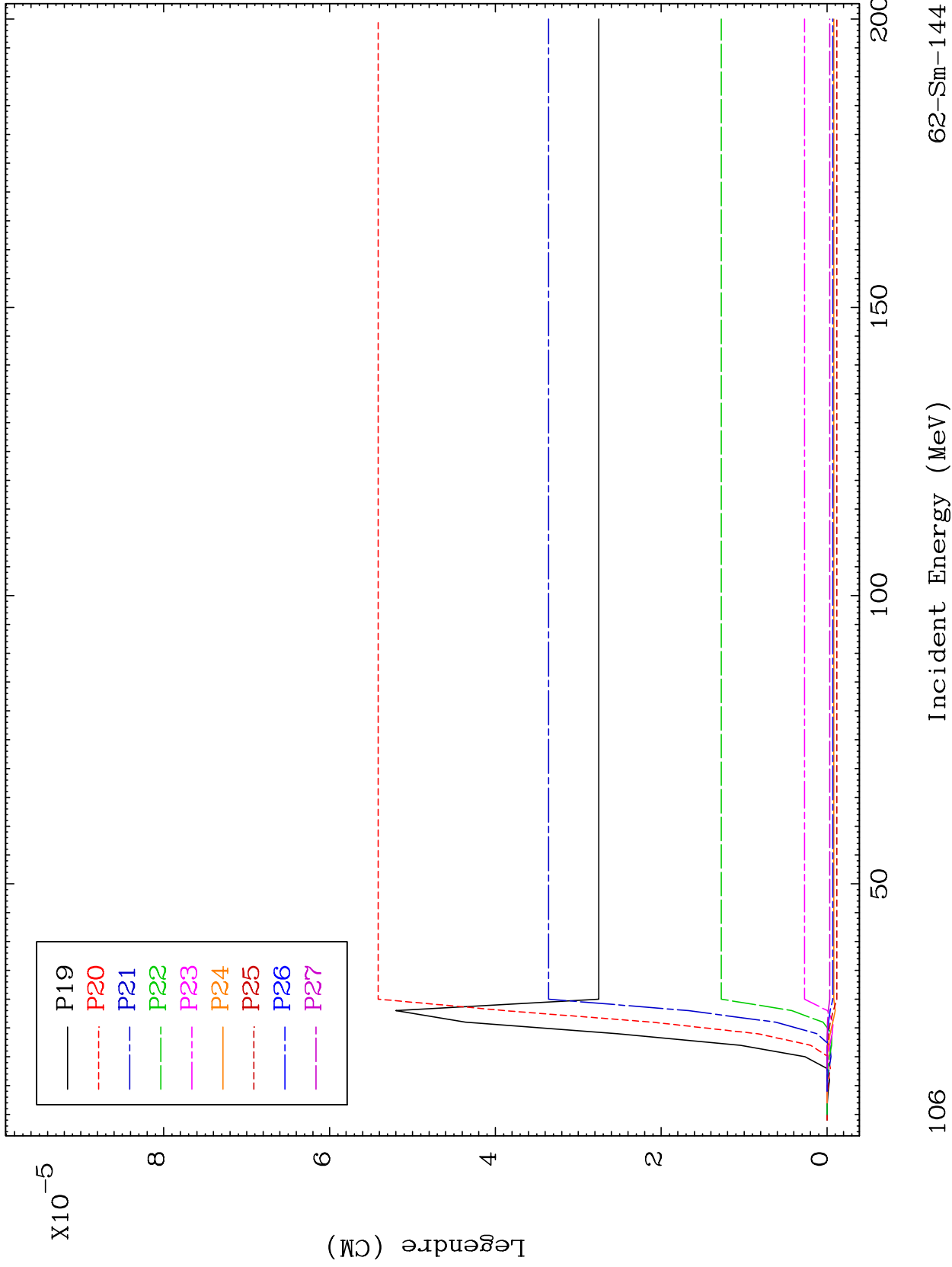




MAT 6225

3.119 MeV (n, n') Level  
Legendre Coefficients

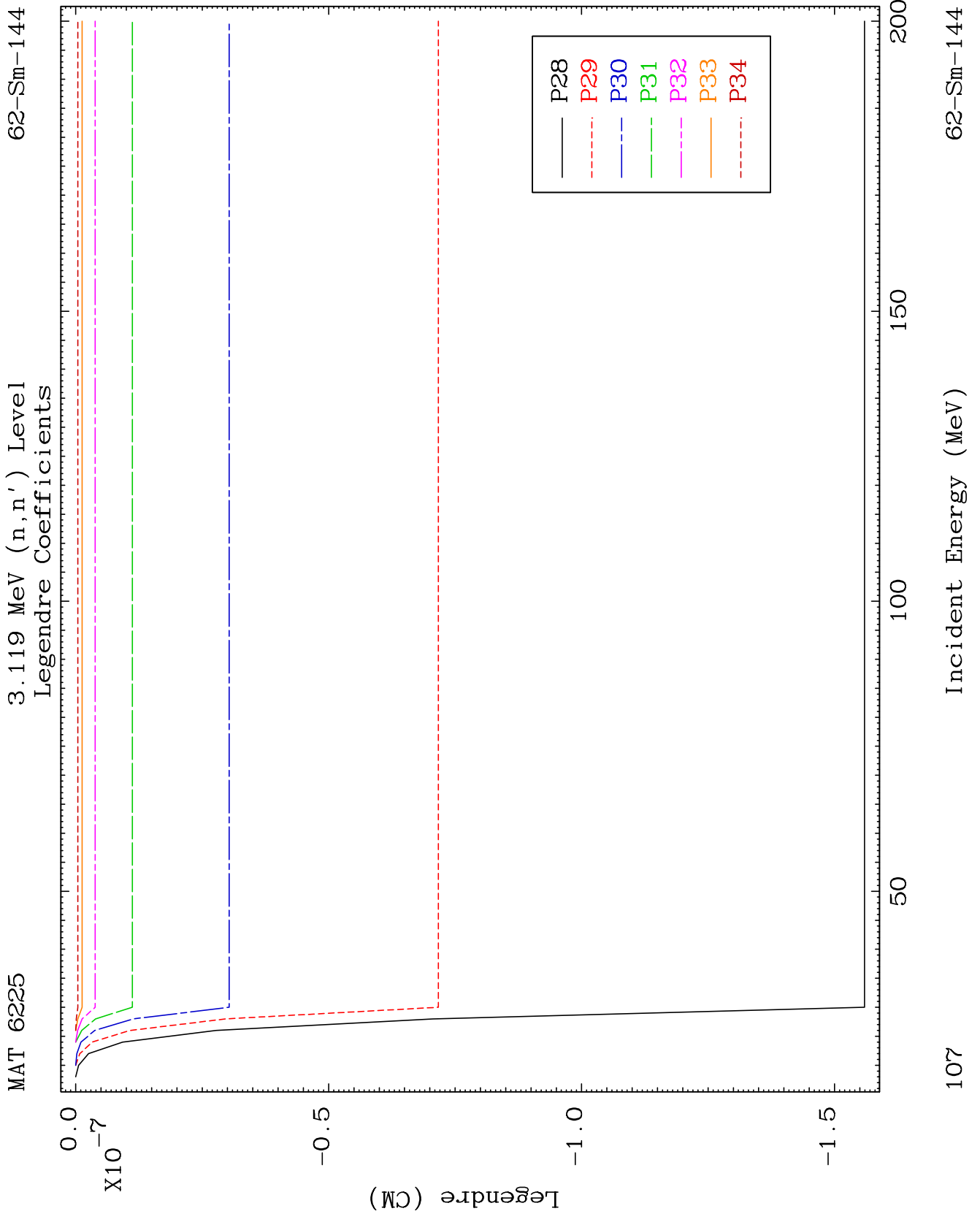
62-Sm-144

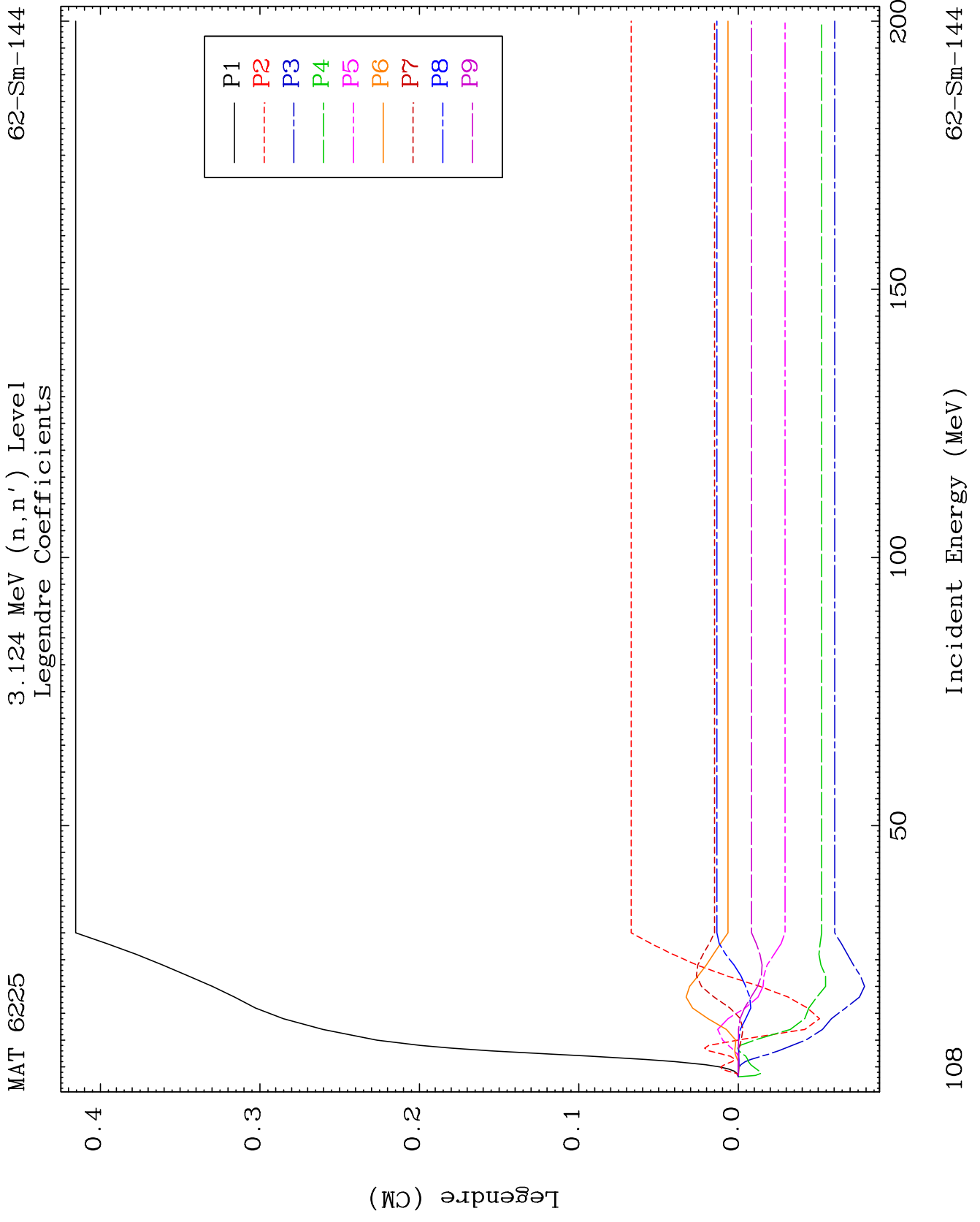


106

Incident Energy (MeV)

62-Sm-144

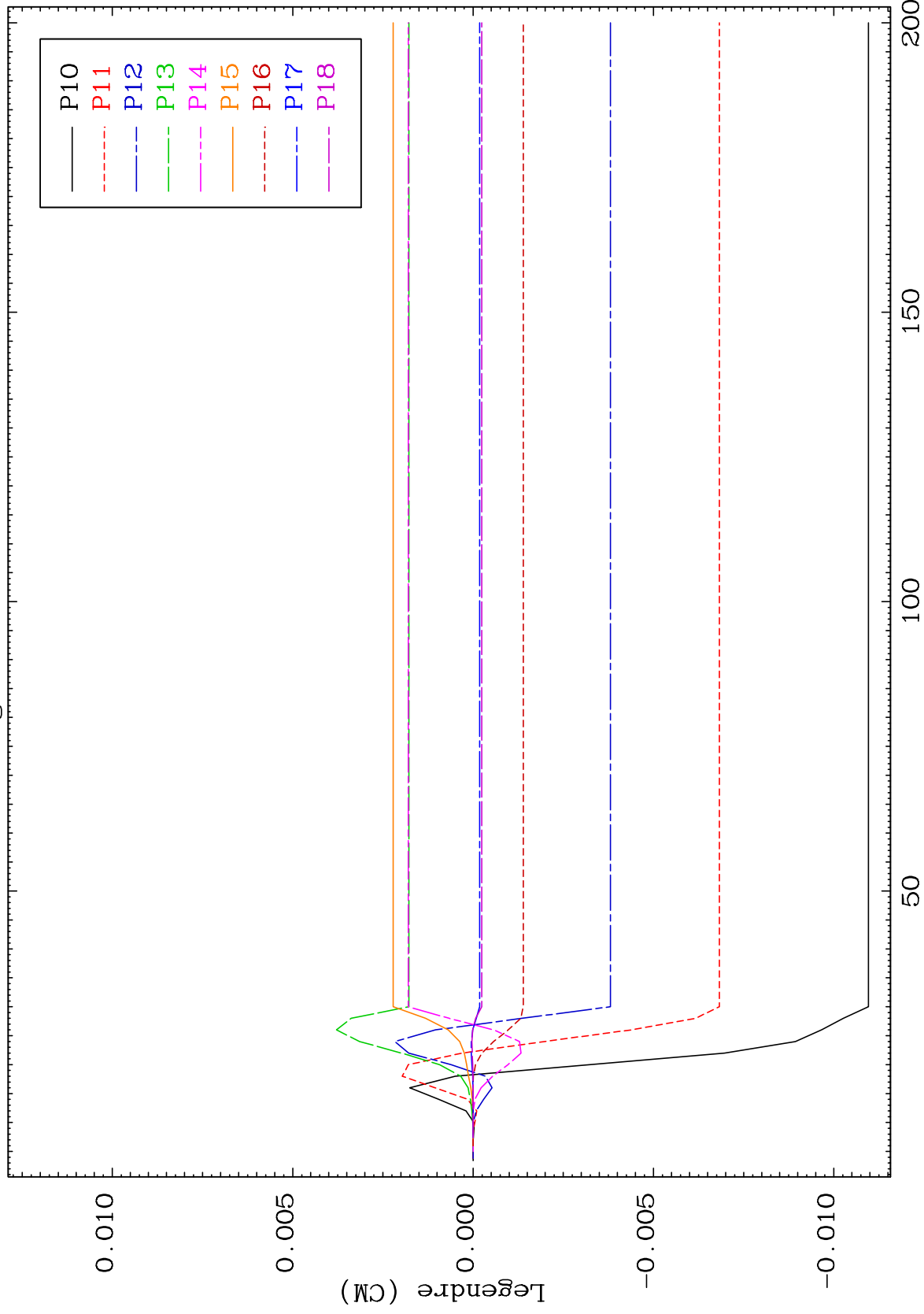




MAT 6225

3.124 MeV (n,n') Level  
Legendre Coefficients

62-Sm-144

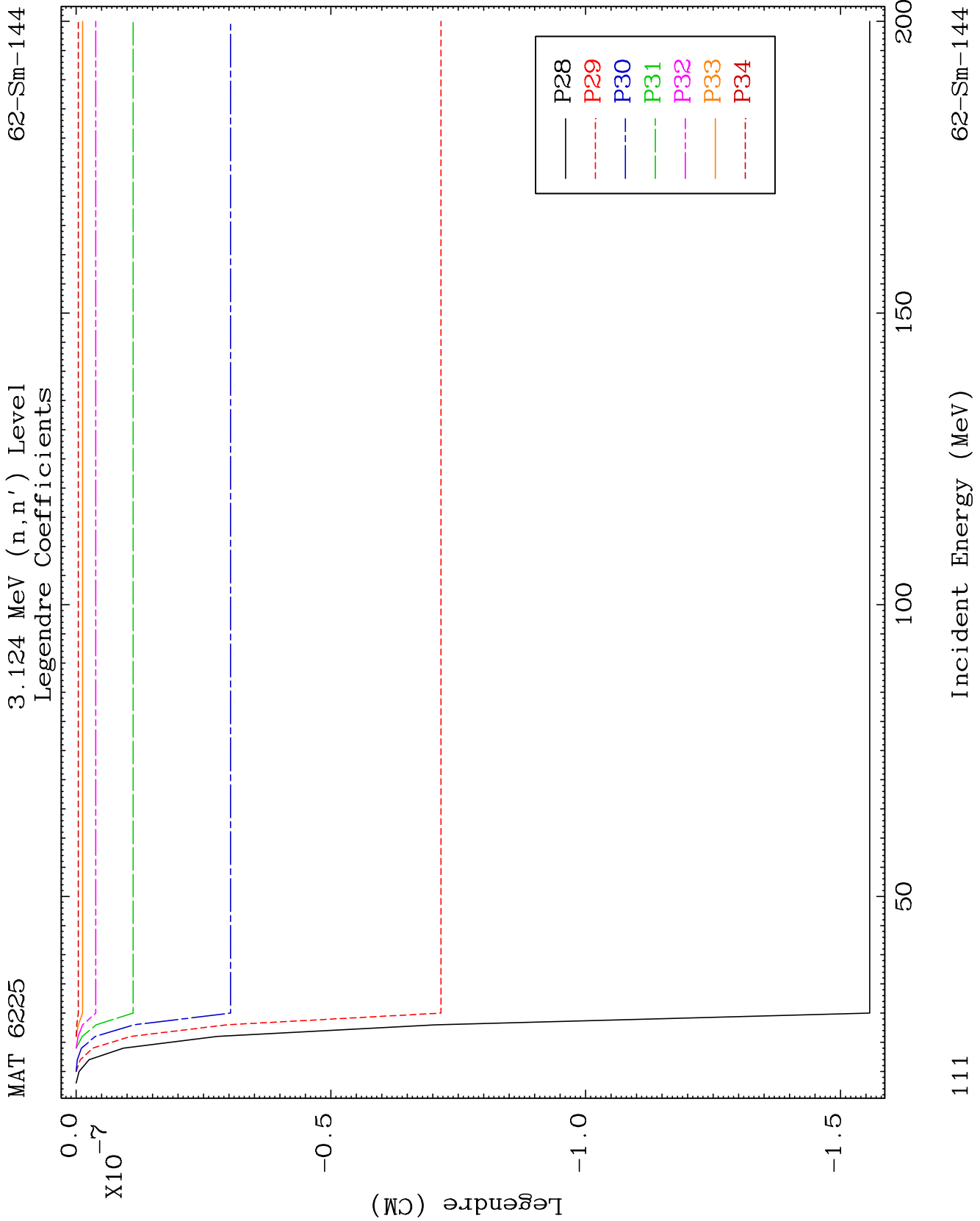


109

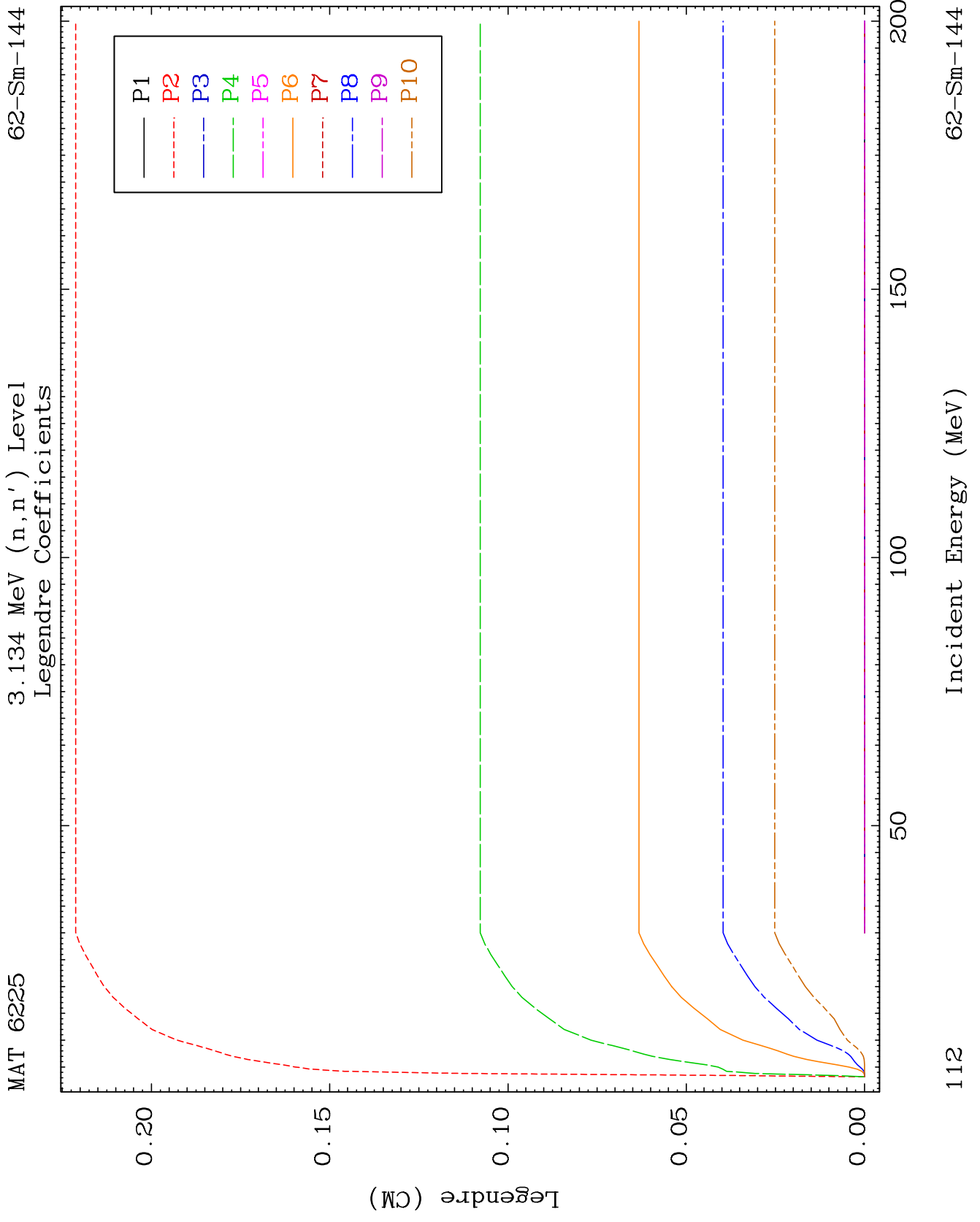
Incident Energy (MeV)

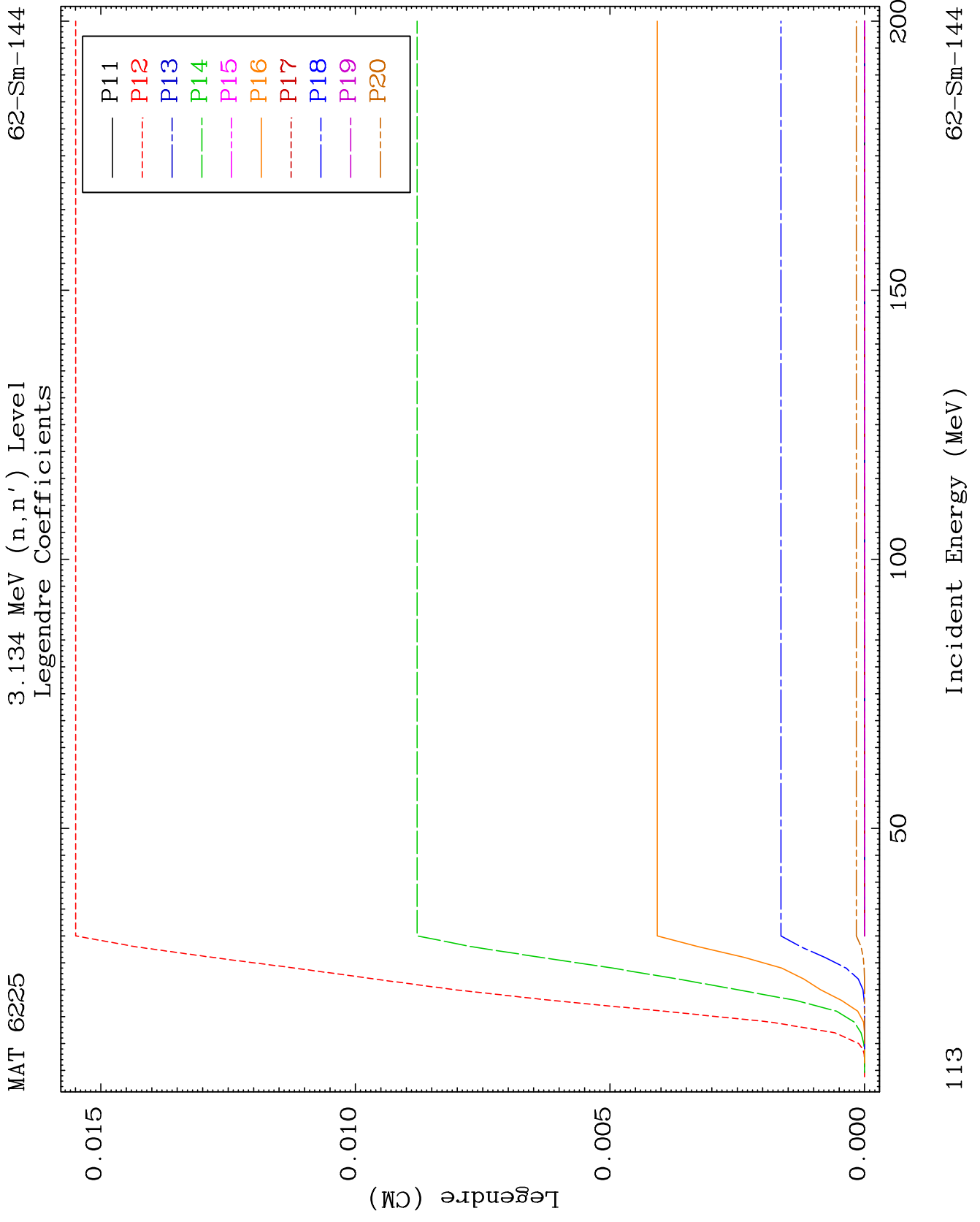
62-Sm-144

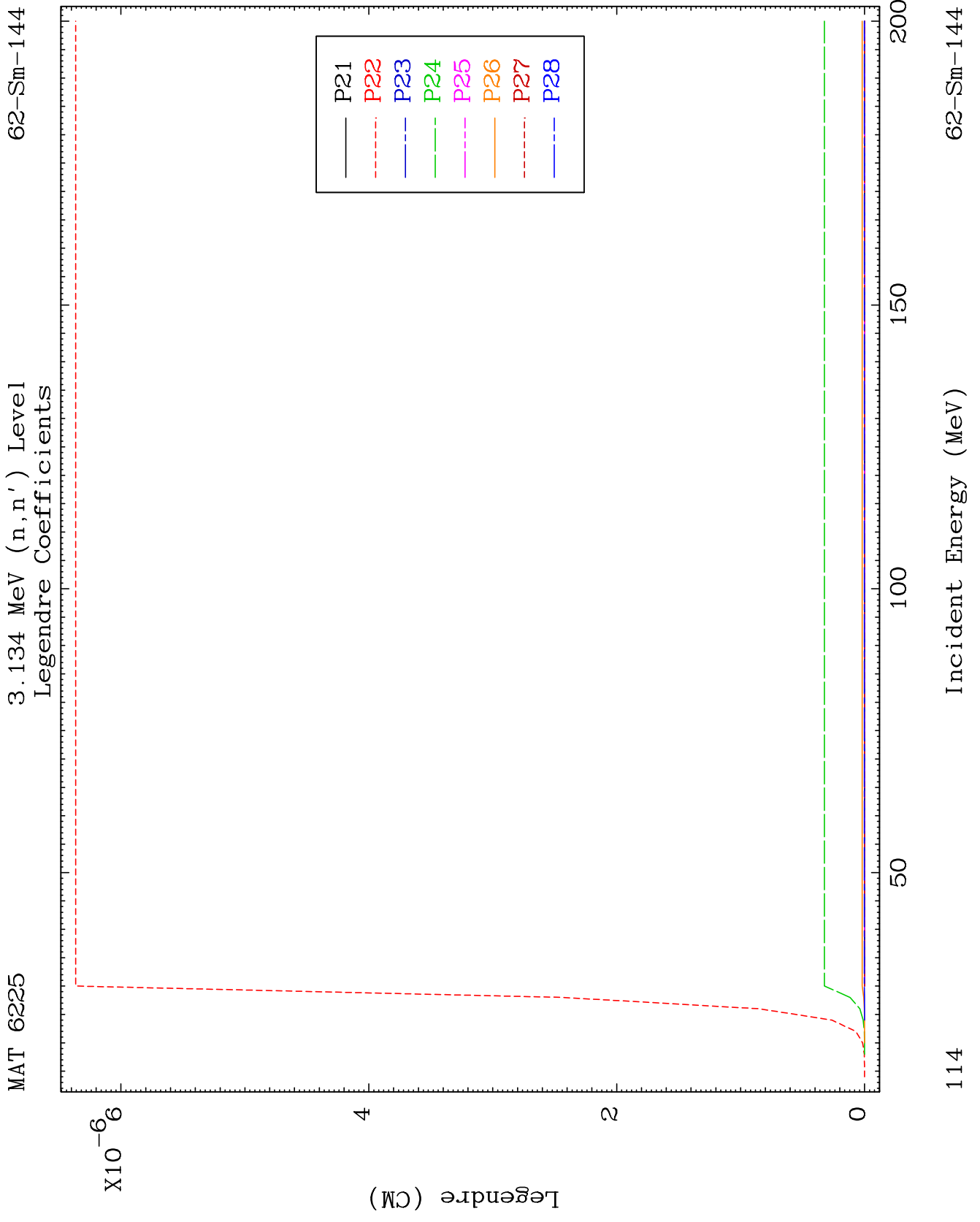








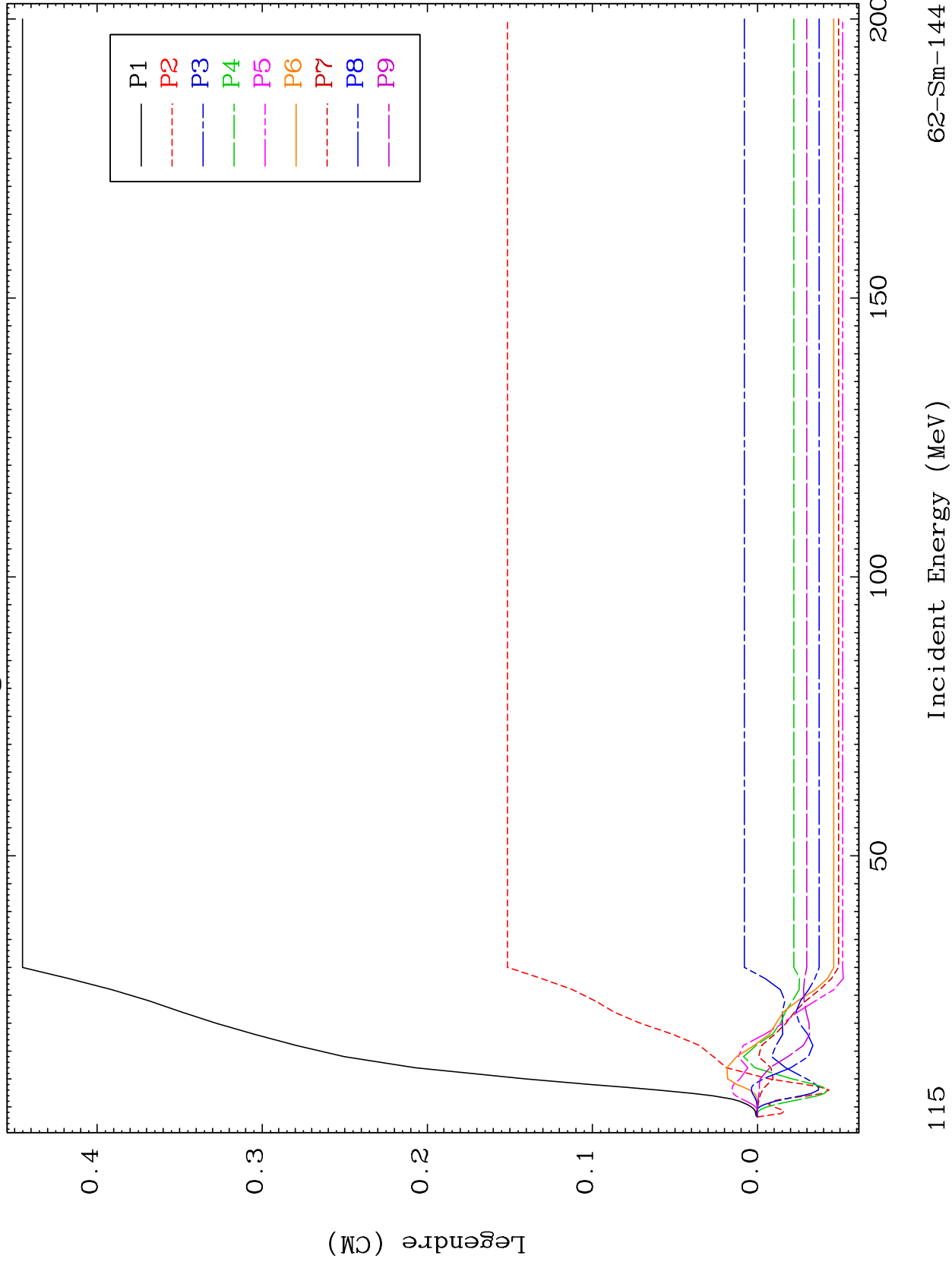




MAT 6225

3.142 MeV (n,n') Level  
Legendre Coefficients

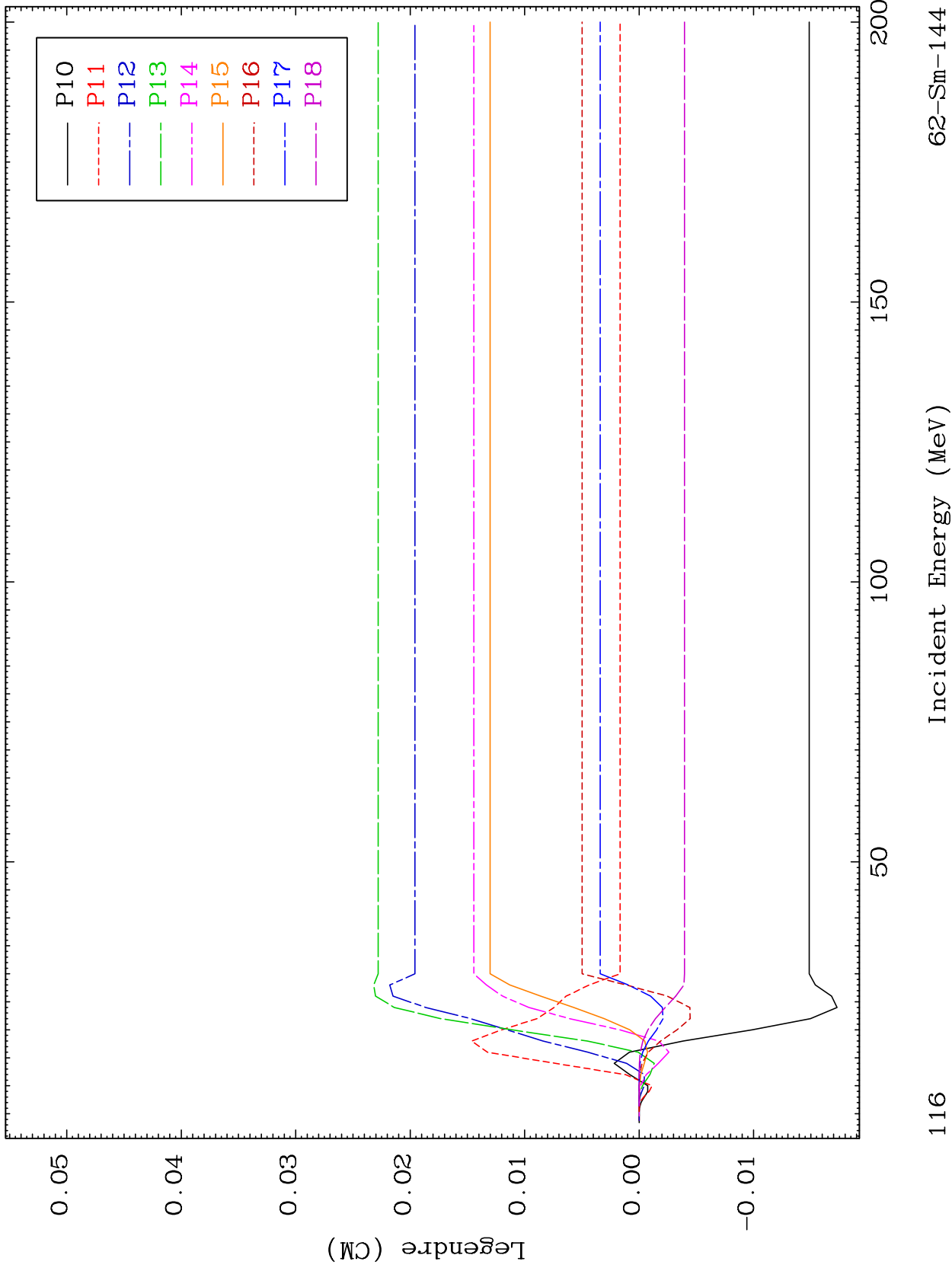
62-Sm-144



115

Incident Energy (MeV)

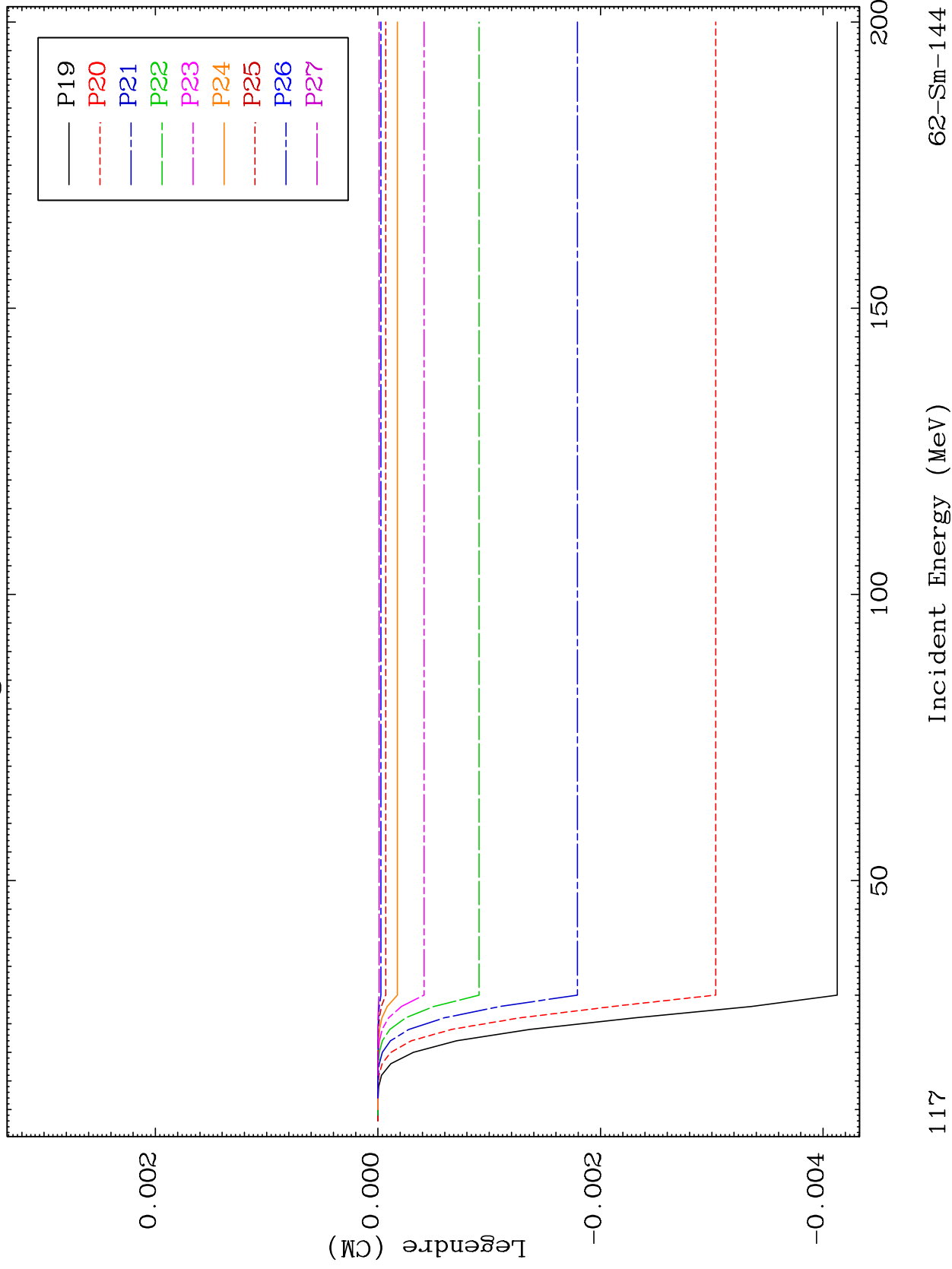
62-Sm-144



MAT 6225

3.142 MeV (n,n') Level  
Legendre Coefficients

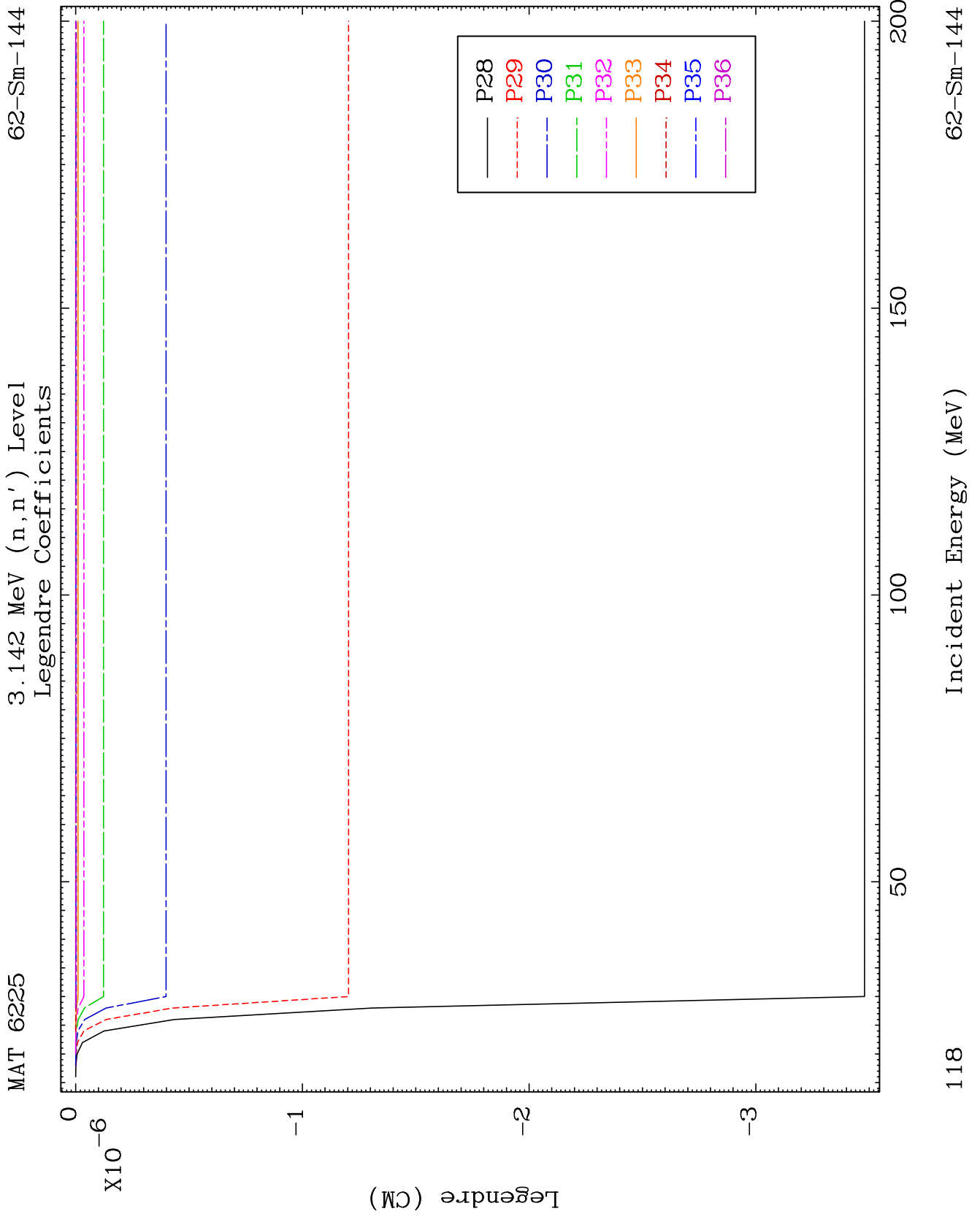
62-Sm-144



117

Incident Energy (MeV)

62-Sm-144



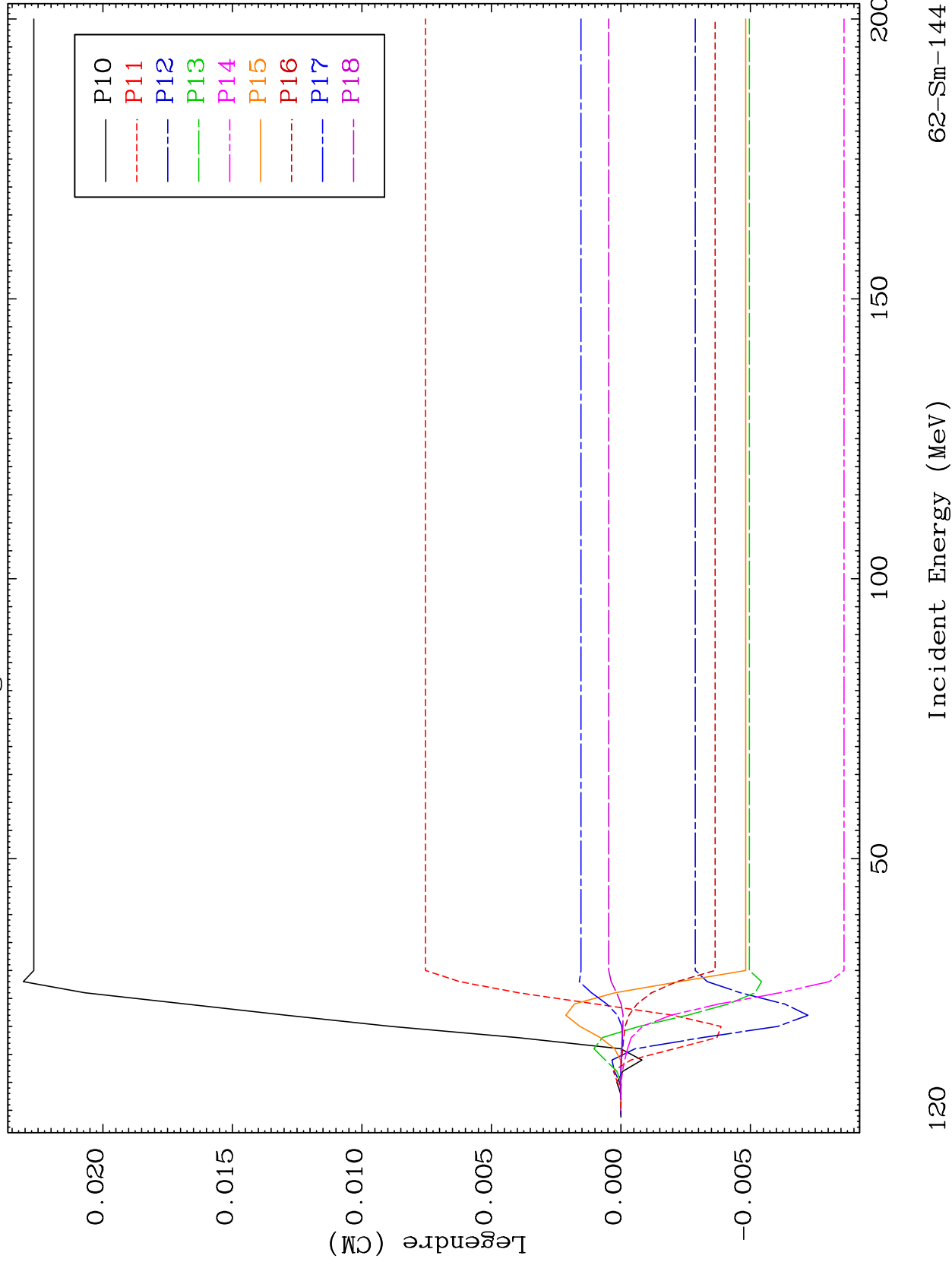




MAT 6225

3.196 MeV (n,n') Level  
Legendre Coefficients

62-Sm-144



120

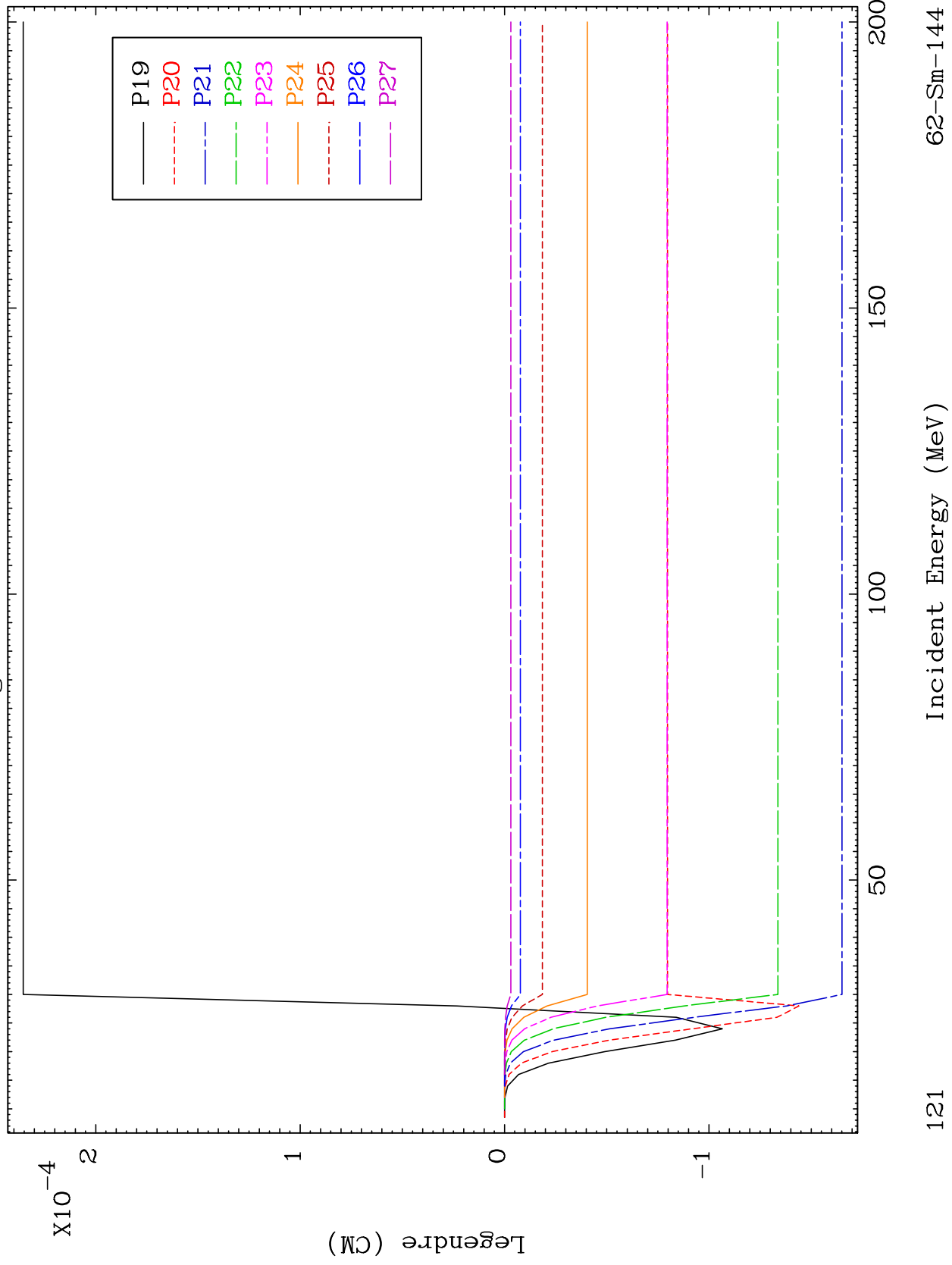
Incident Energy (MeV)

62-Sm-144

MAT 6225

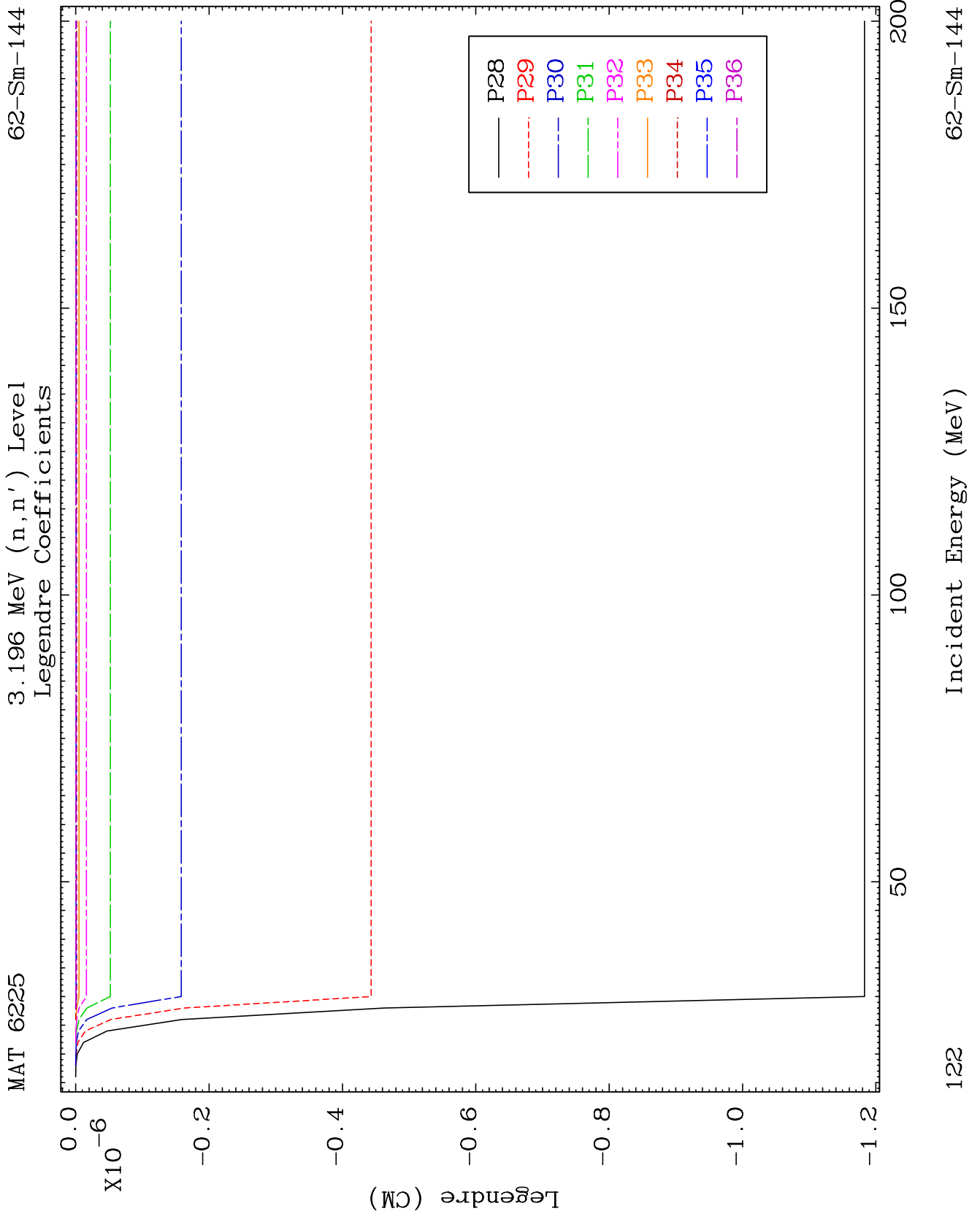
3.196 MeV (n,n') Level  
Legendre Coefficients

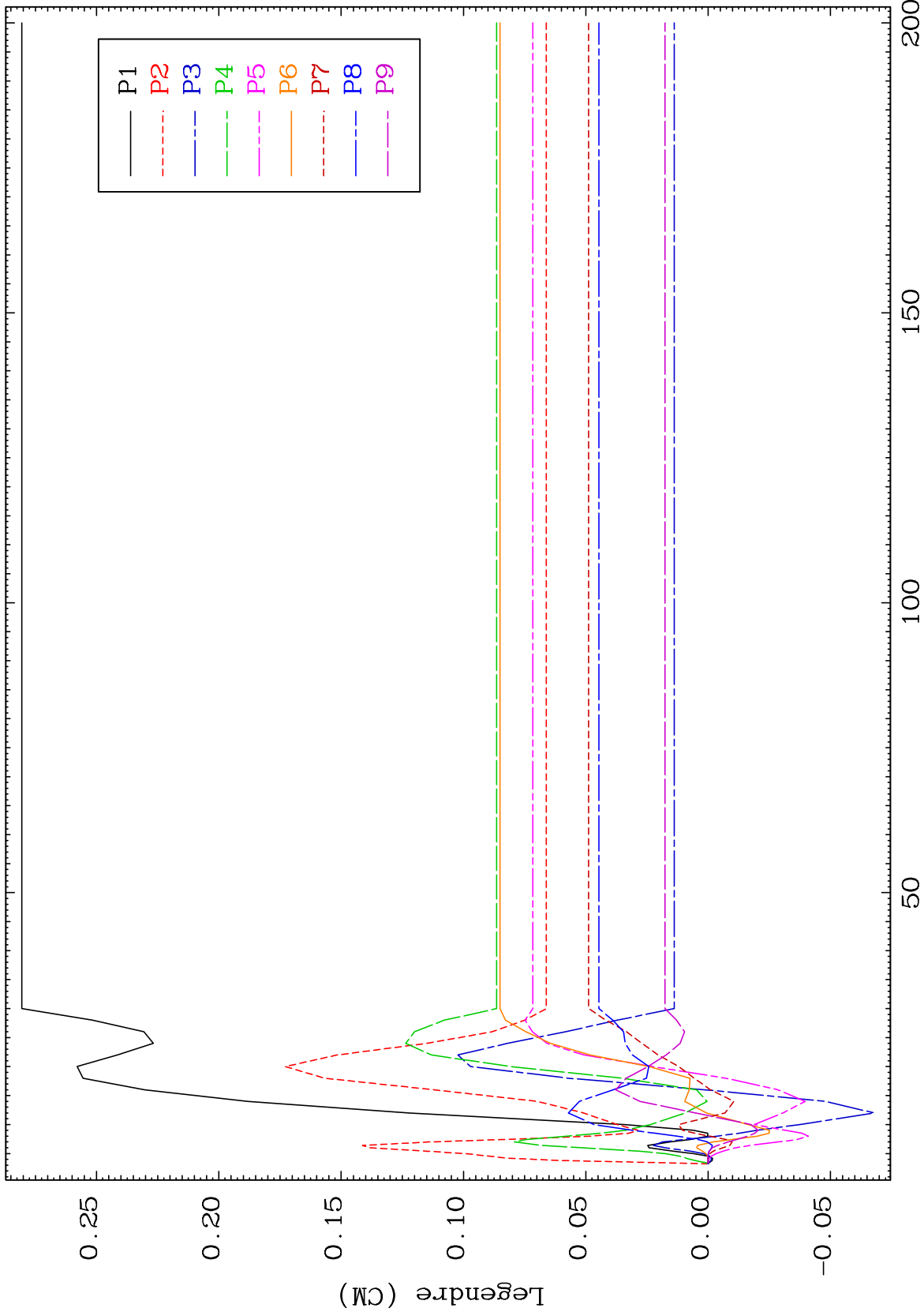
62-Sm-144

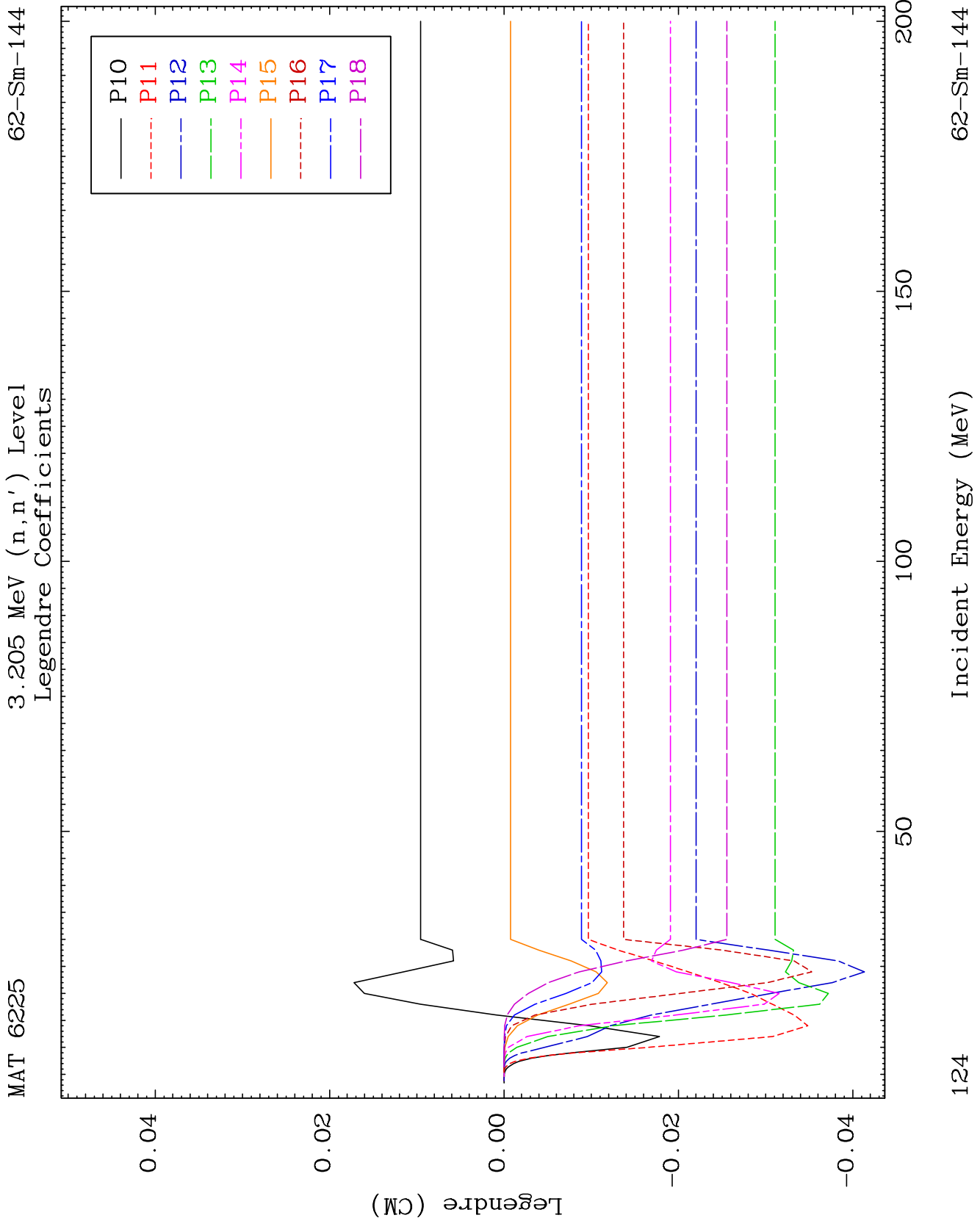


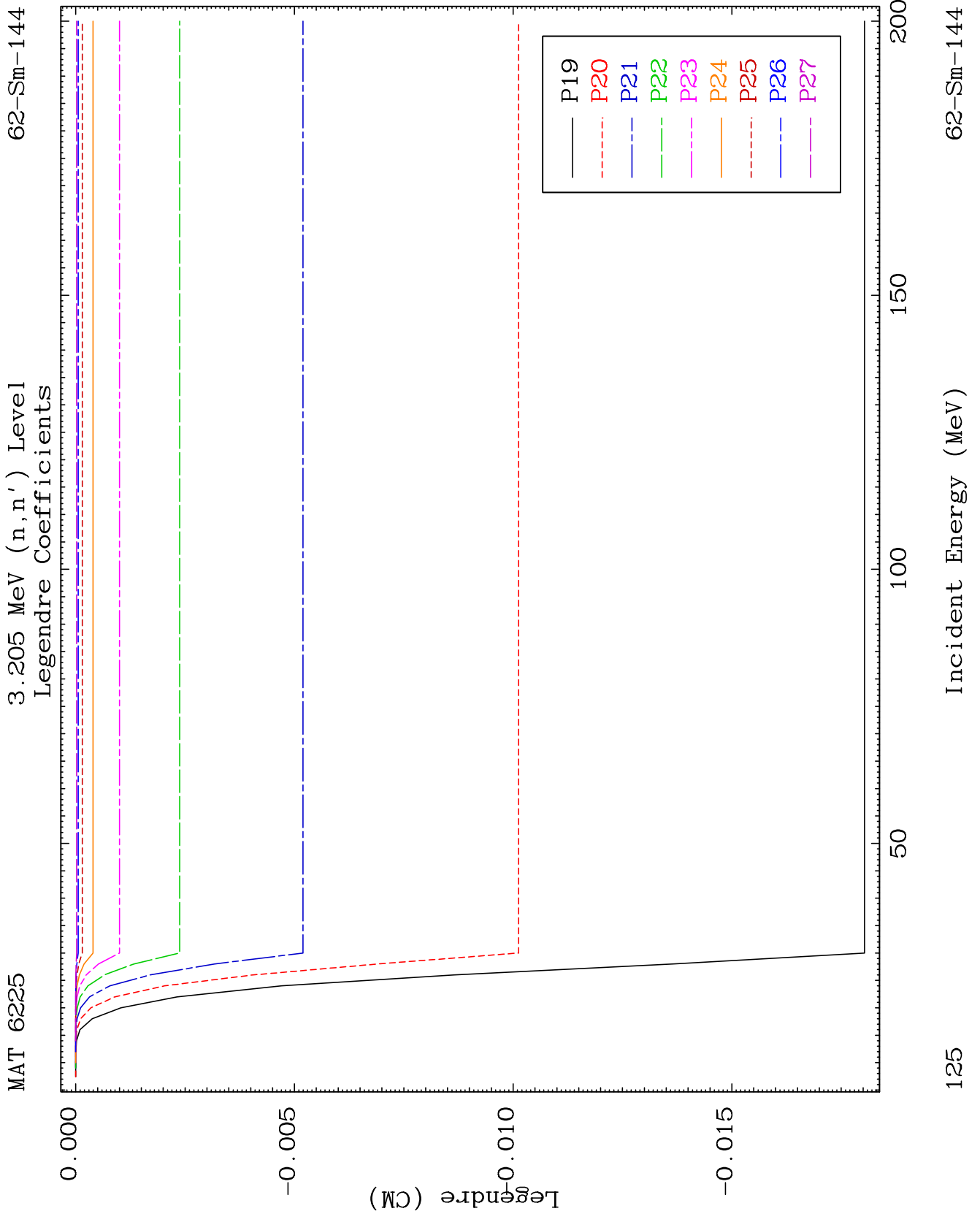
121

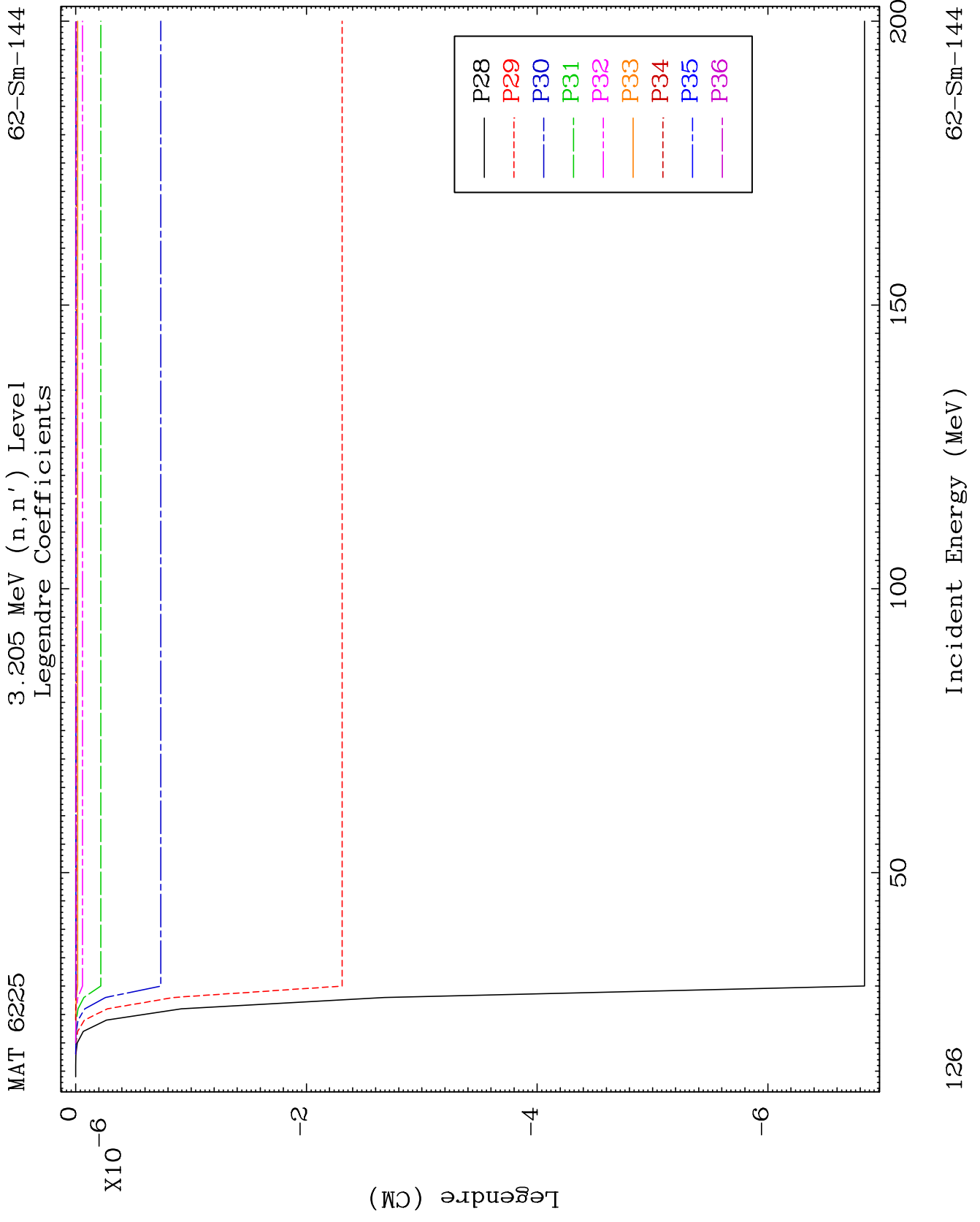
62-Sm-144







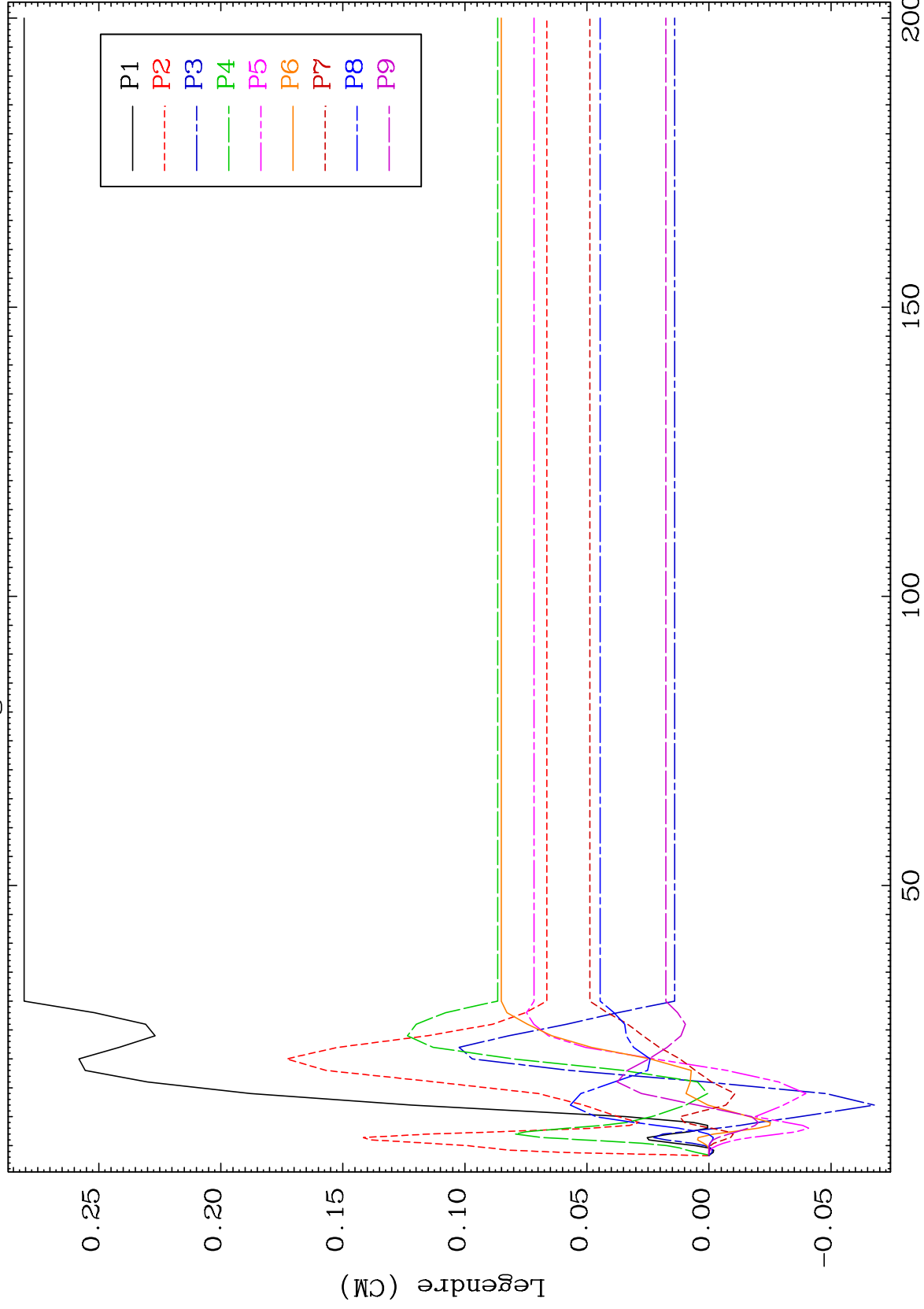




MAT 6225

3.226 MeV (n,n') Level  
Legendre Coefficients

62-Sm-144



127

Incident Energy (MeV)

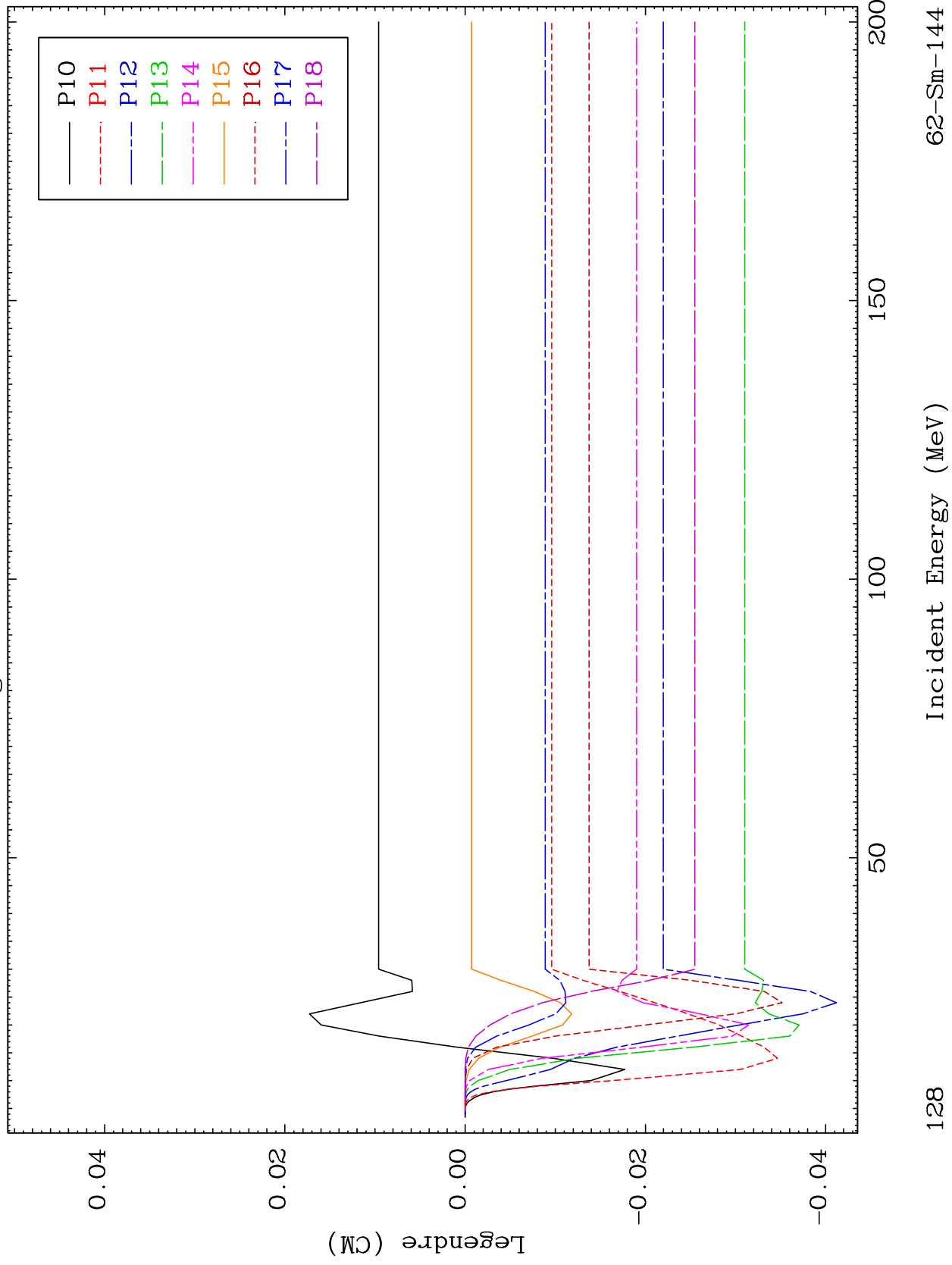
62-Sm-144



MAT 6225

3.226 MeV (n,n') Level  
Legendre Coefficients

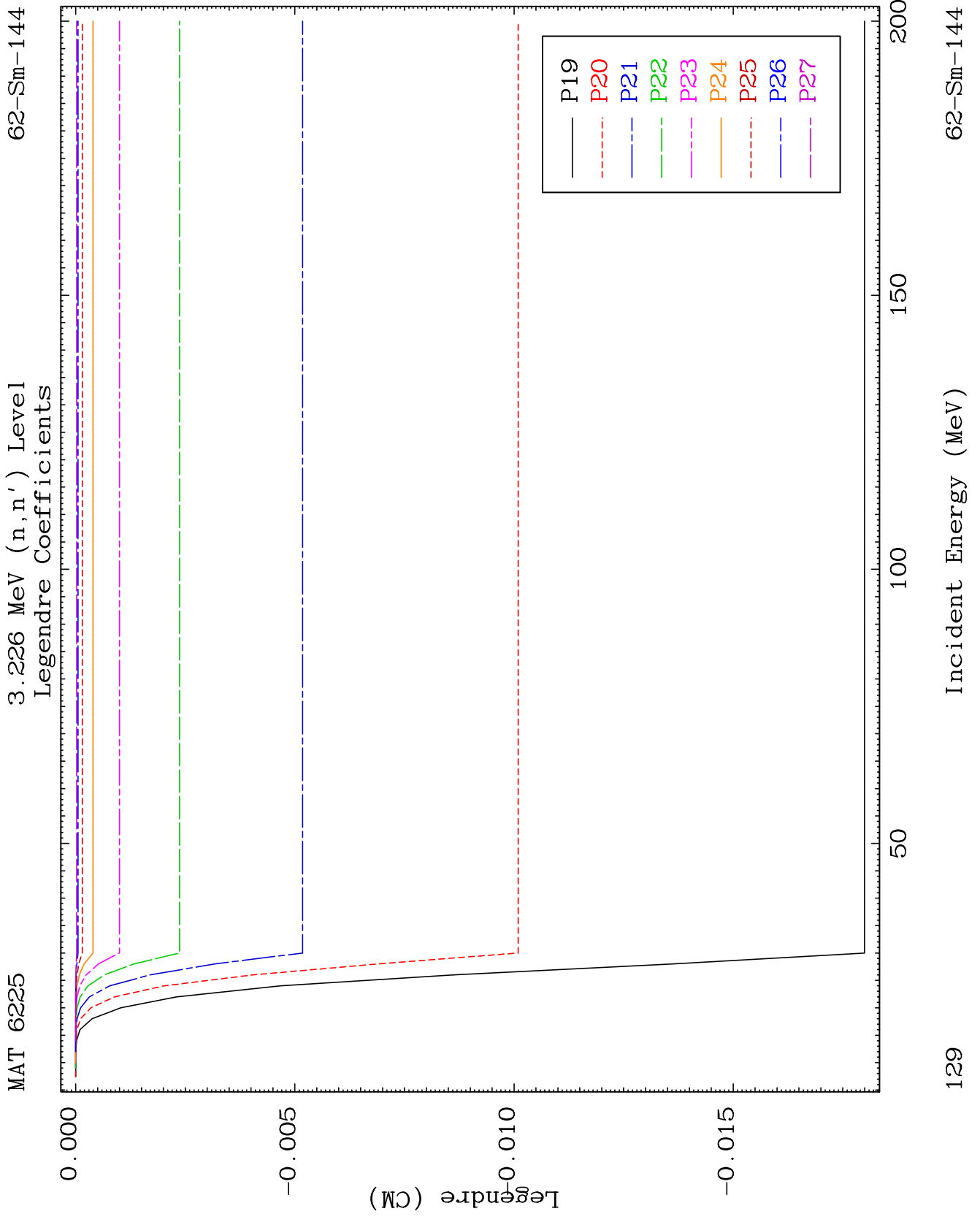
62-Sm-144

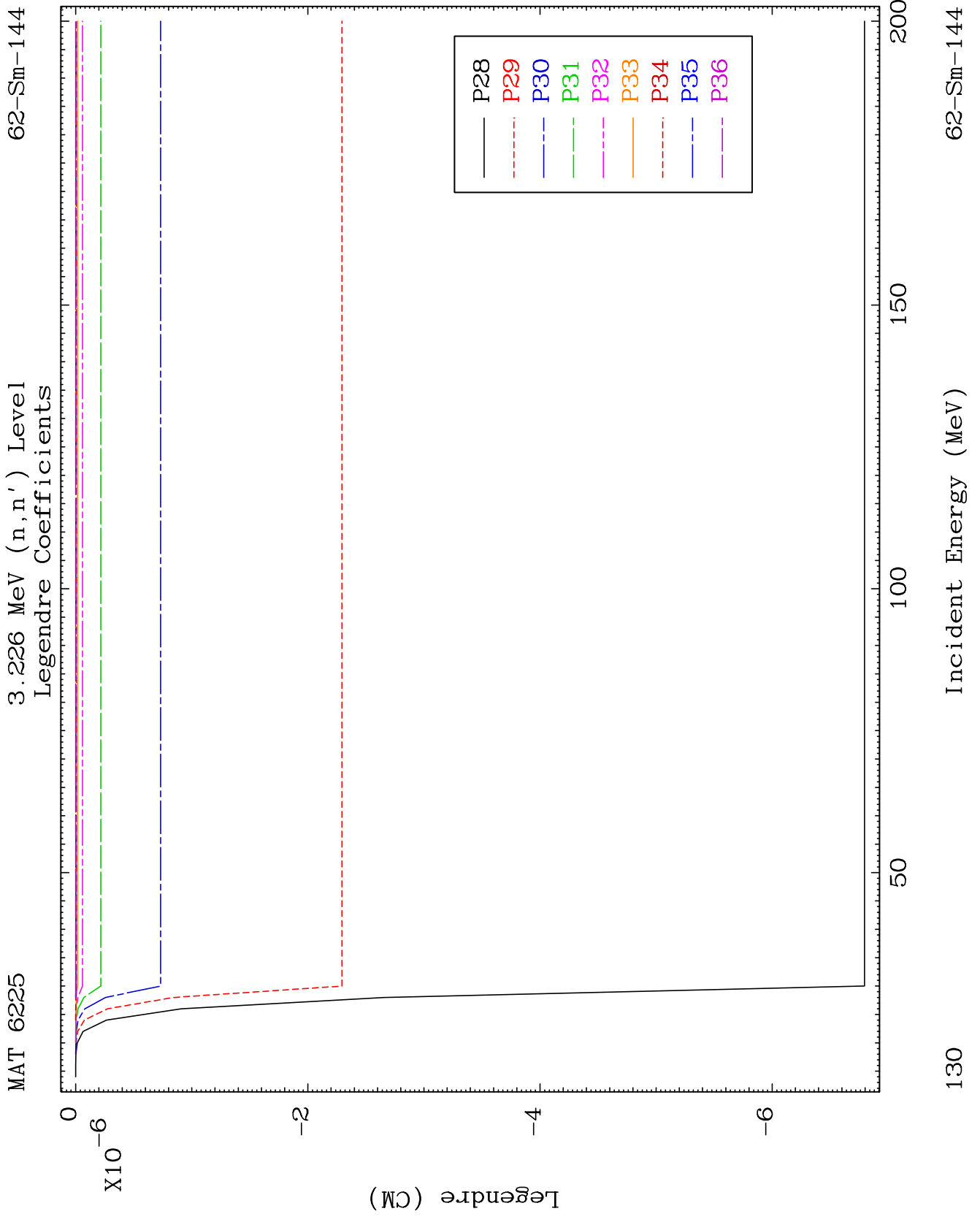


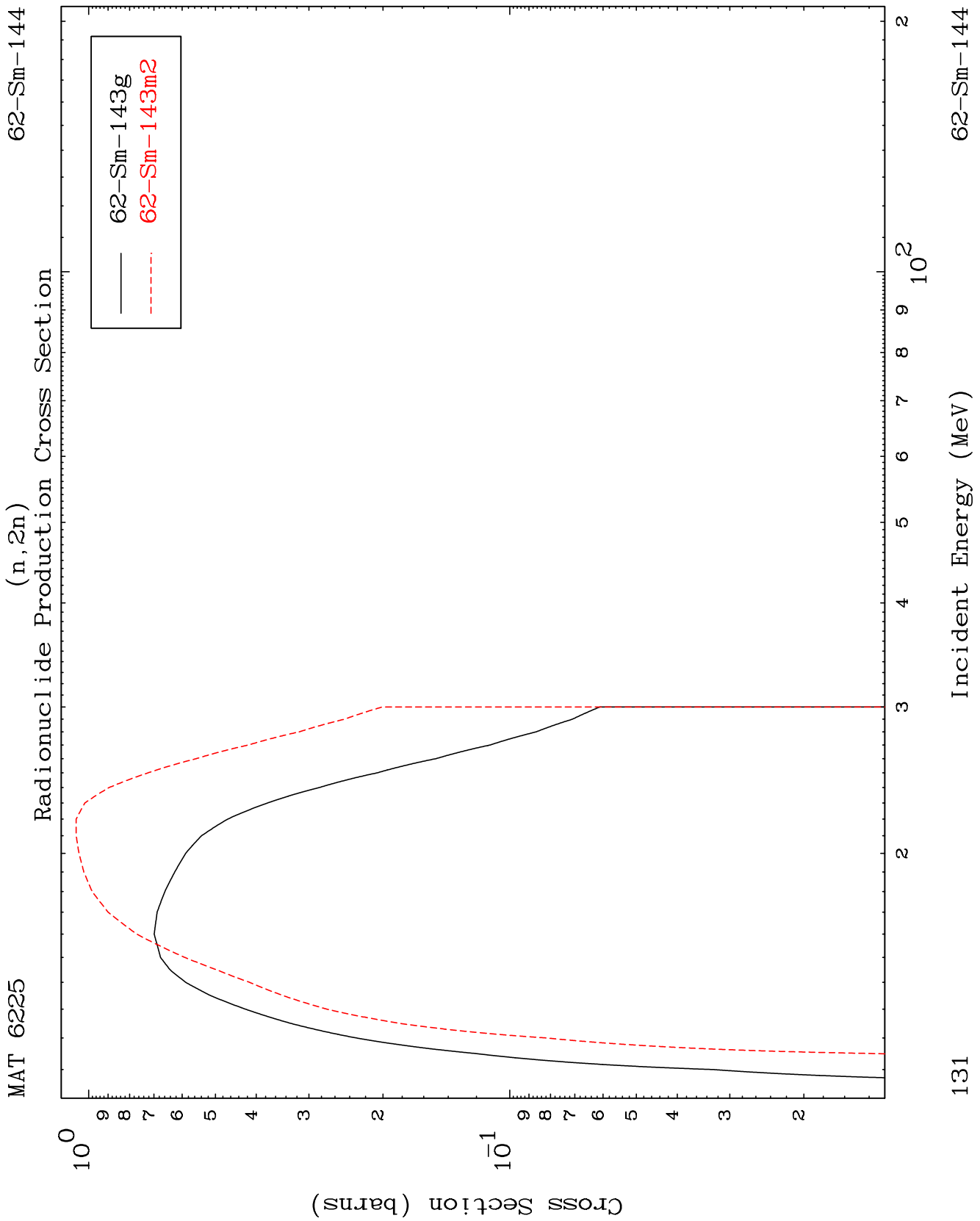
128

Incident Energy (MeV)

62-Sm-144





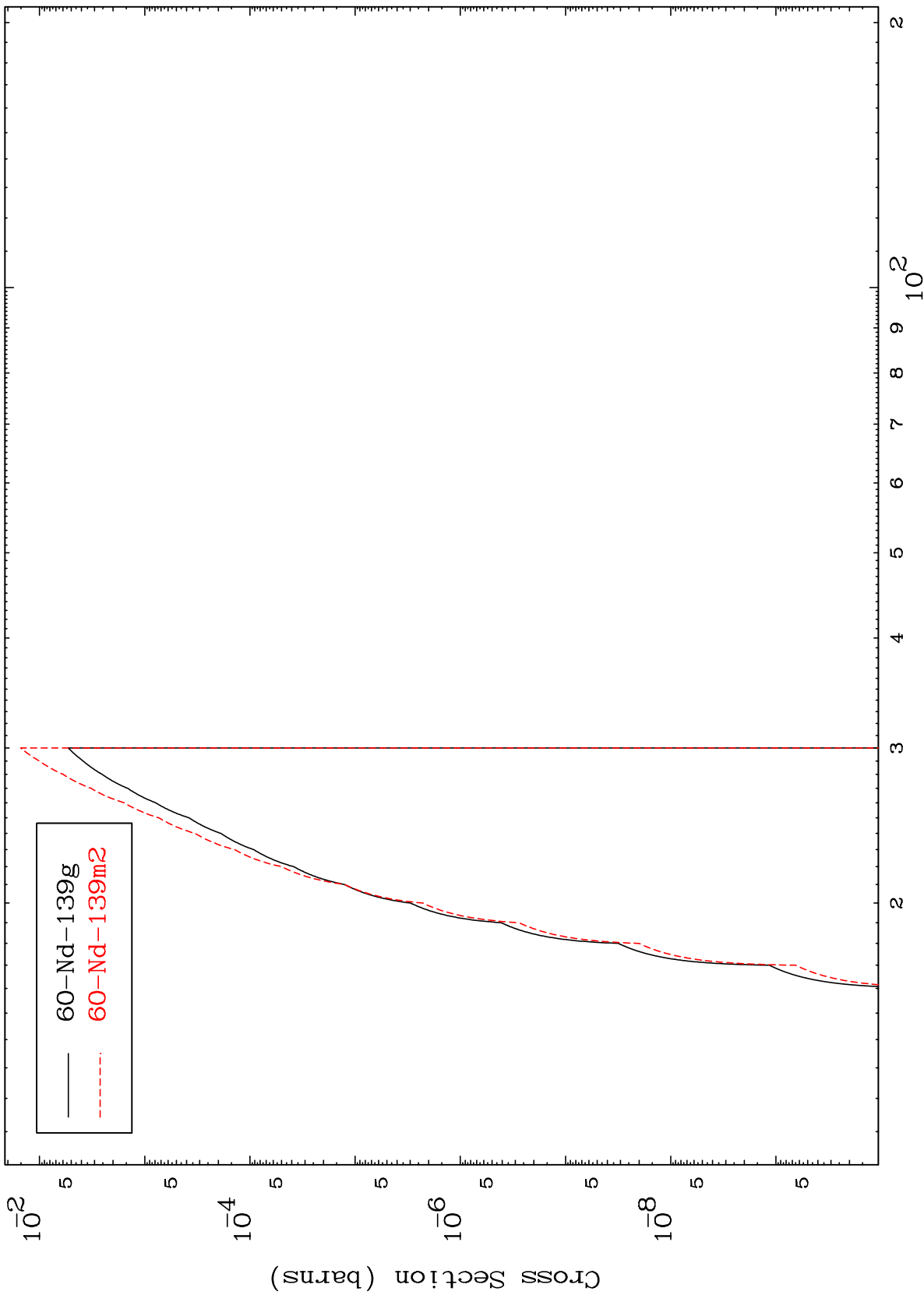


MAT 6225

(n,2n)  $\alpha$

62-Sm-144

Radionuclide Production Cross Section



132

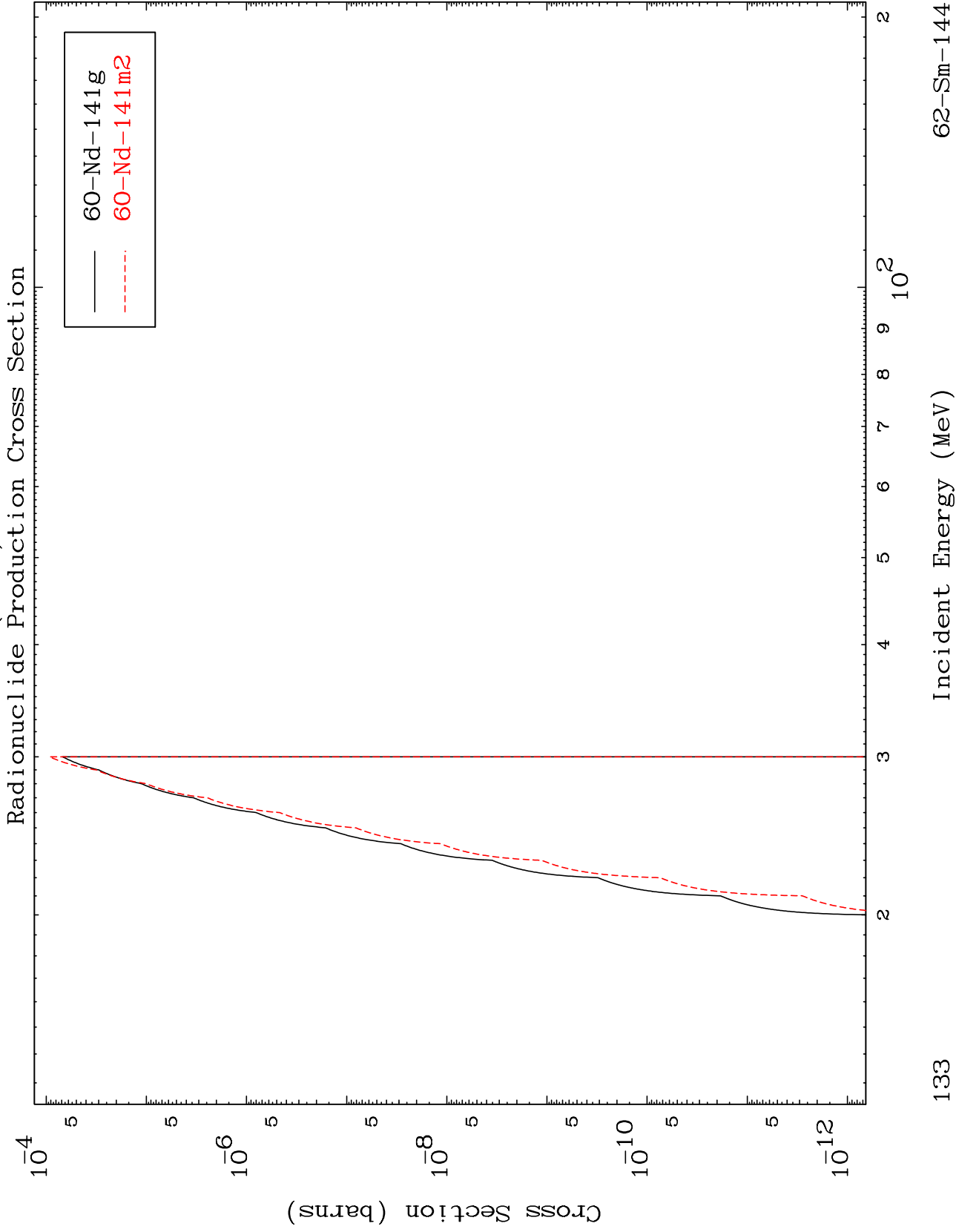
Incident Energy (MeV)

62-Sm-144

MAT 6225

(n,n') He-3

62-Sm-144



133

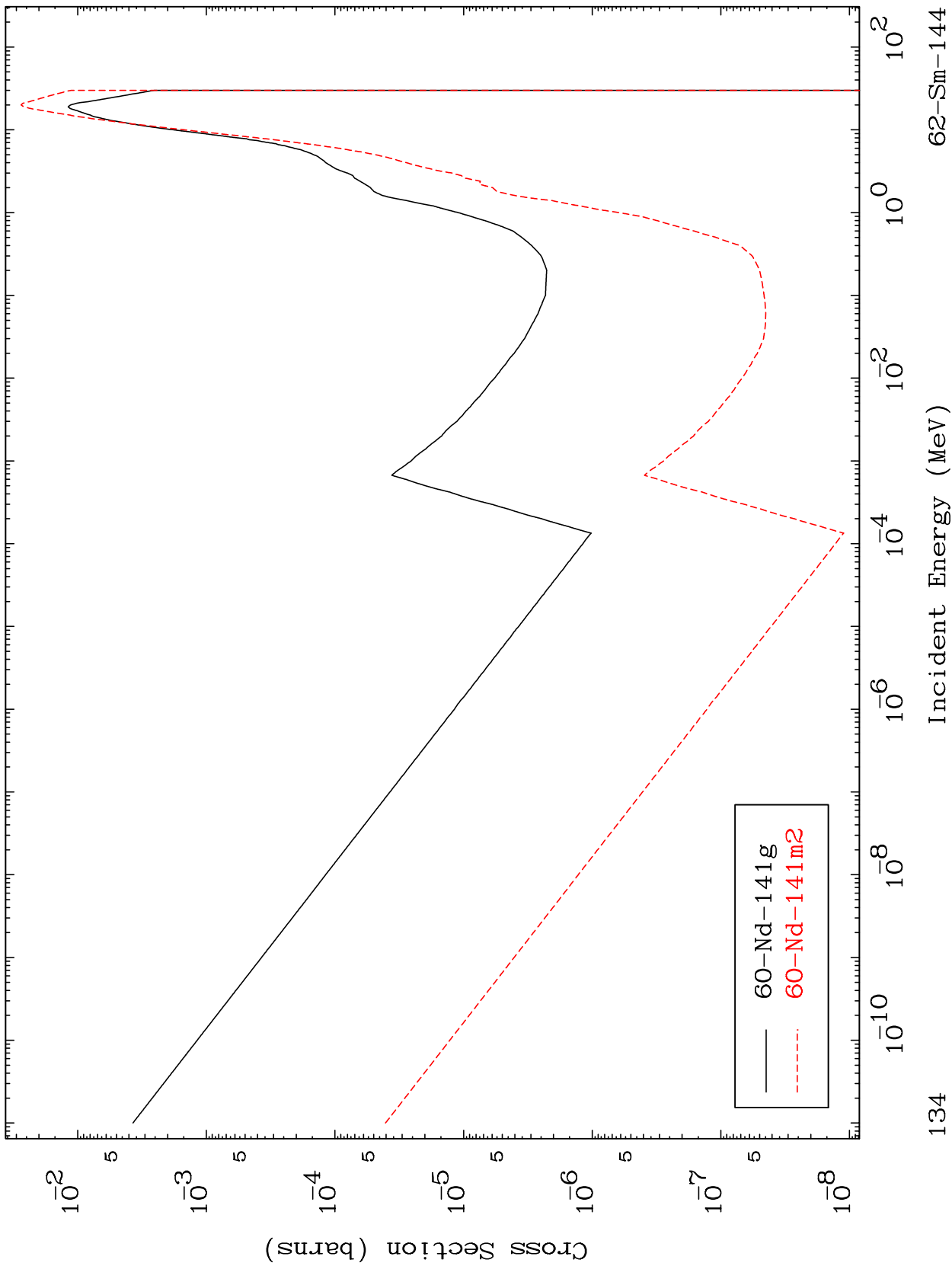
Incident Energy (MeV)

62-Sm-144

MAT 6225

62-Sm-144

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

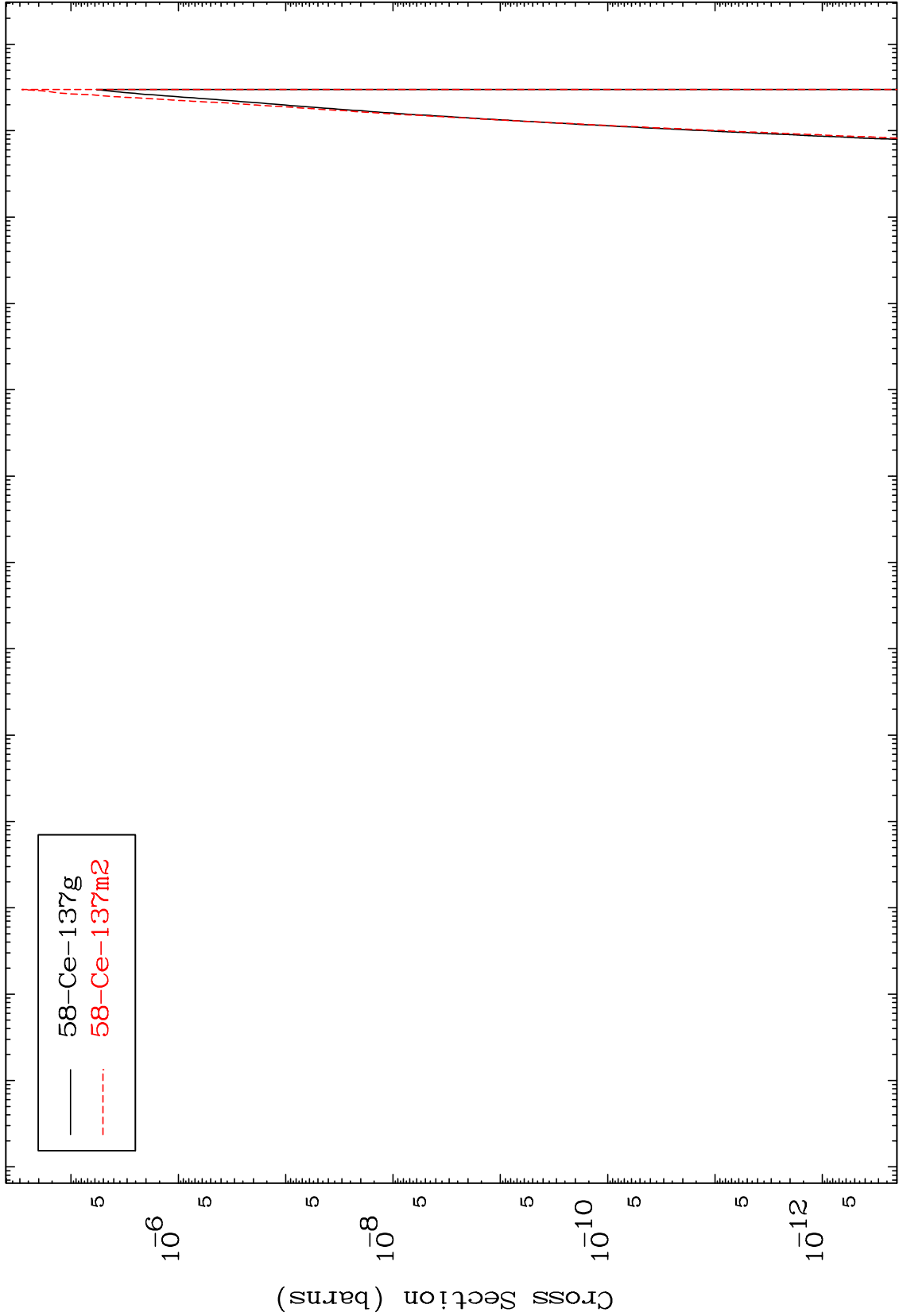
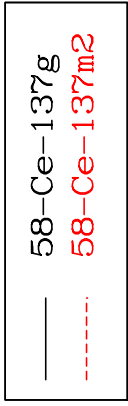


MAT 6225

(n,2α)

62-Sm-144

Radionuclide Production Cross Section



62-Sm-144

10<sup>0</sup>

10<sup>-2</sup>

10<sup>-4</sup>

10<sup>-6</sup>

10<sup>-8</sup>

10<sup>-10</sup>

10<sup>-12</sup>

Incident Energy (MeV)

62-Sm-144

135

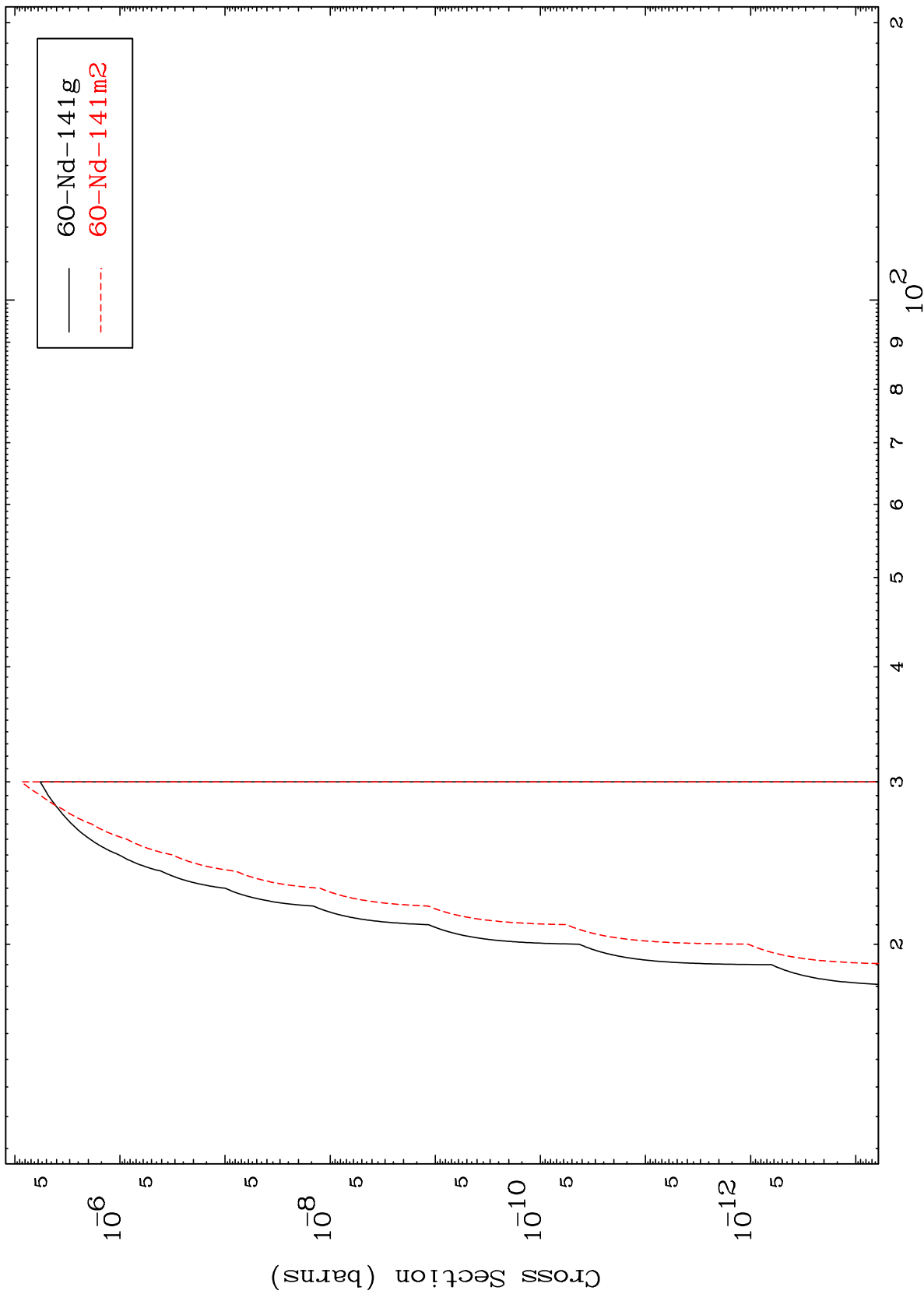


MAT 6225

(n,p) t

62-Sm-144

Radionuclide Production Cross Section



136

Incident Energy (MeV)

62-Sm-144