

Program EVALPLOT  
(Version 2015-2)

by

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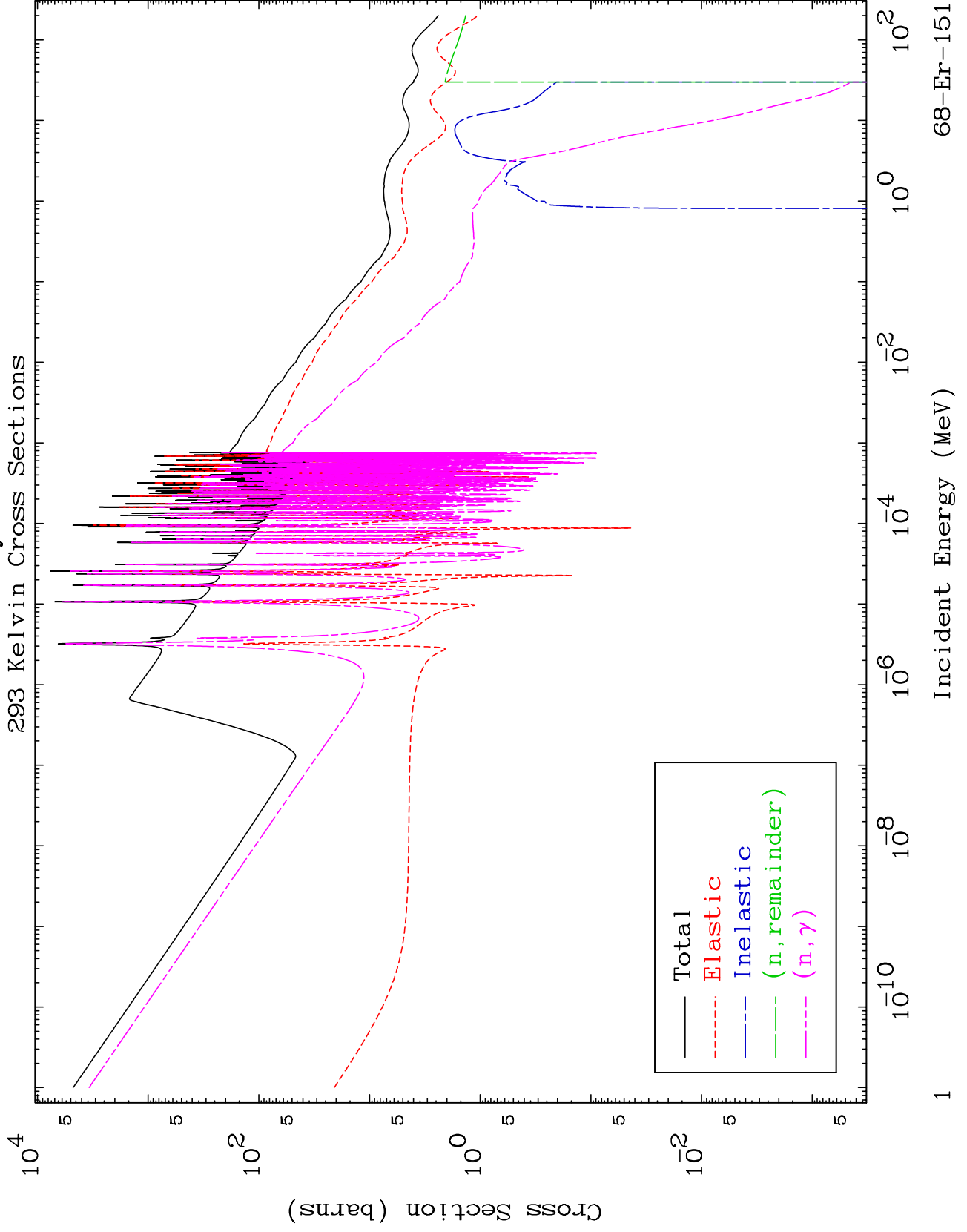
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6792

Major  
293 Kelvin Cross Sections

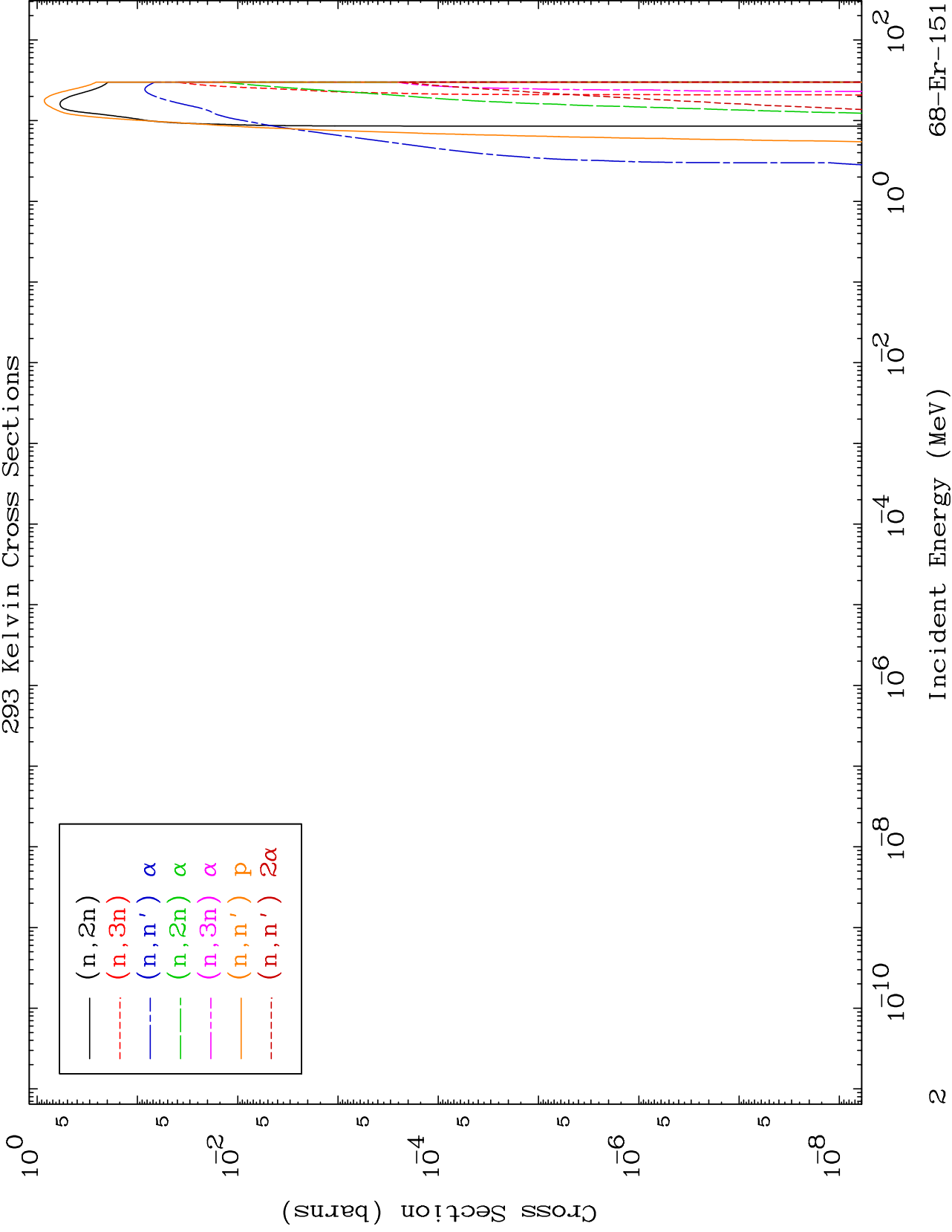
68-Er-151

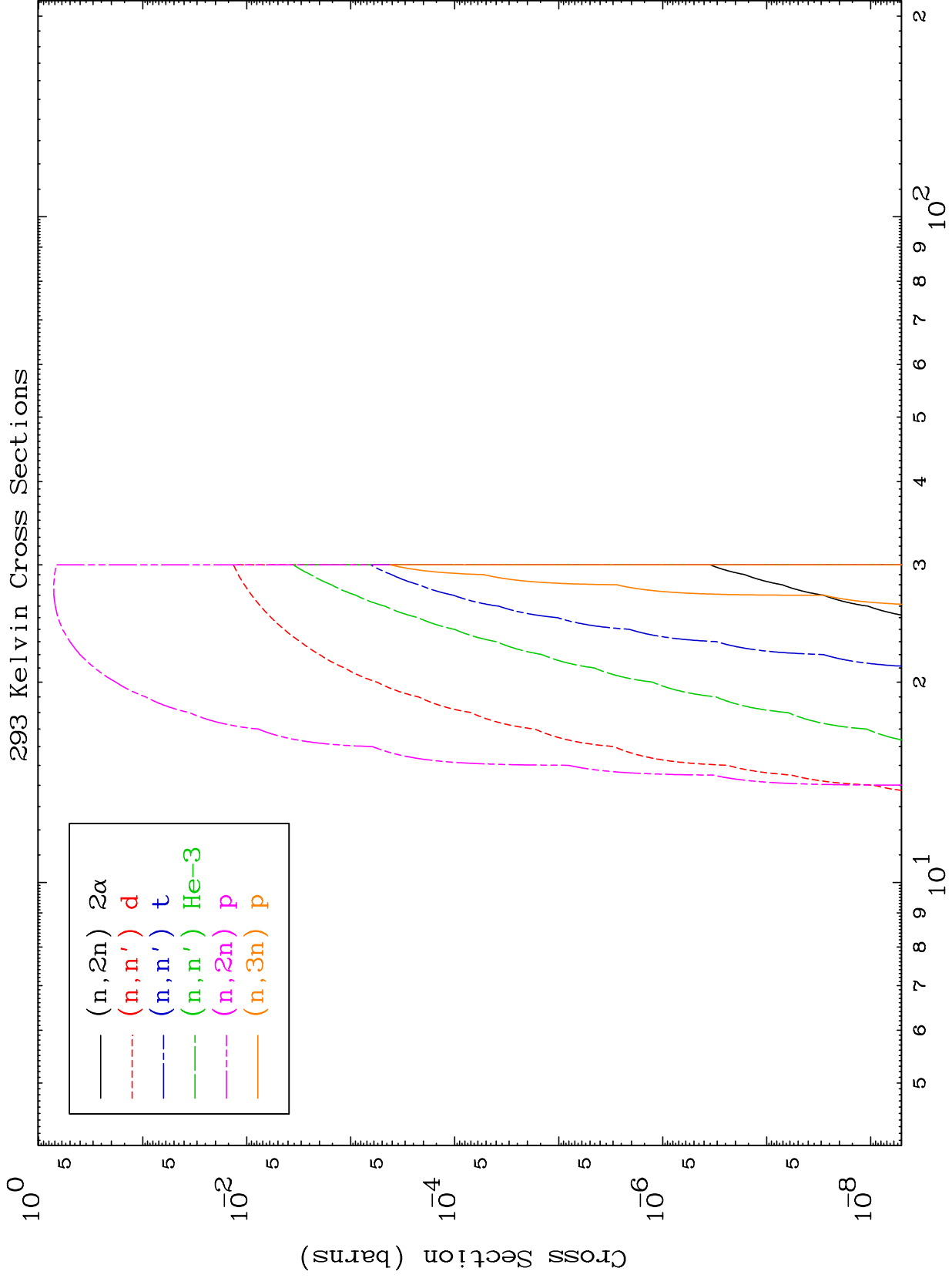


MAT 6792

Neutron Production  
293 Kelvin Cross Sections

68-Er-151

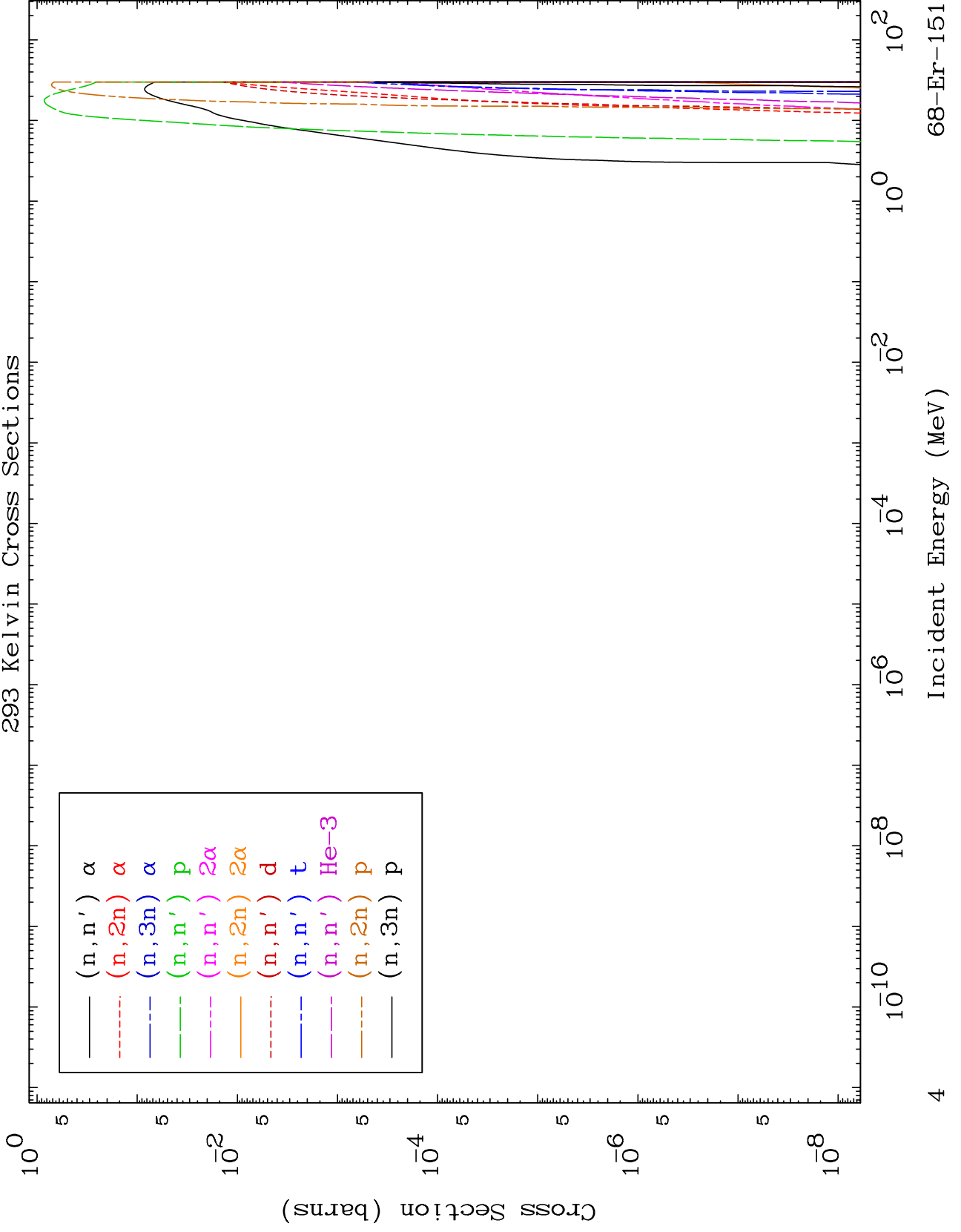


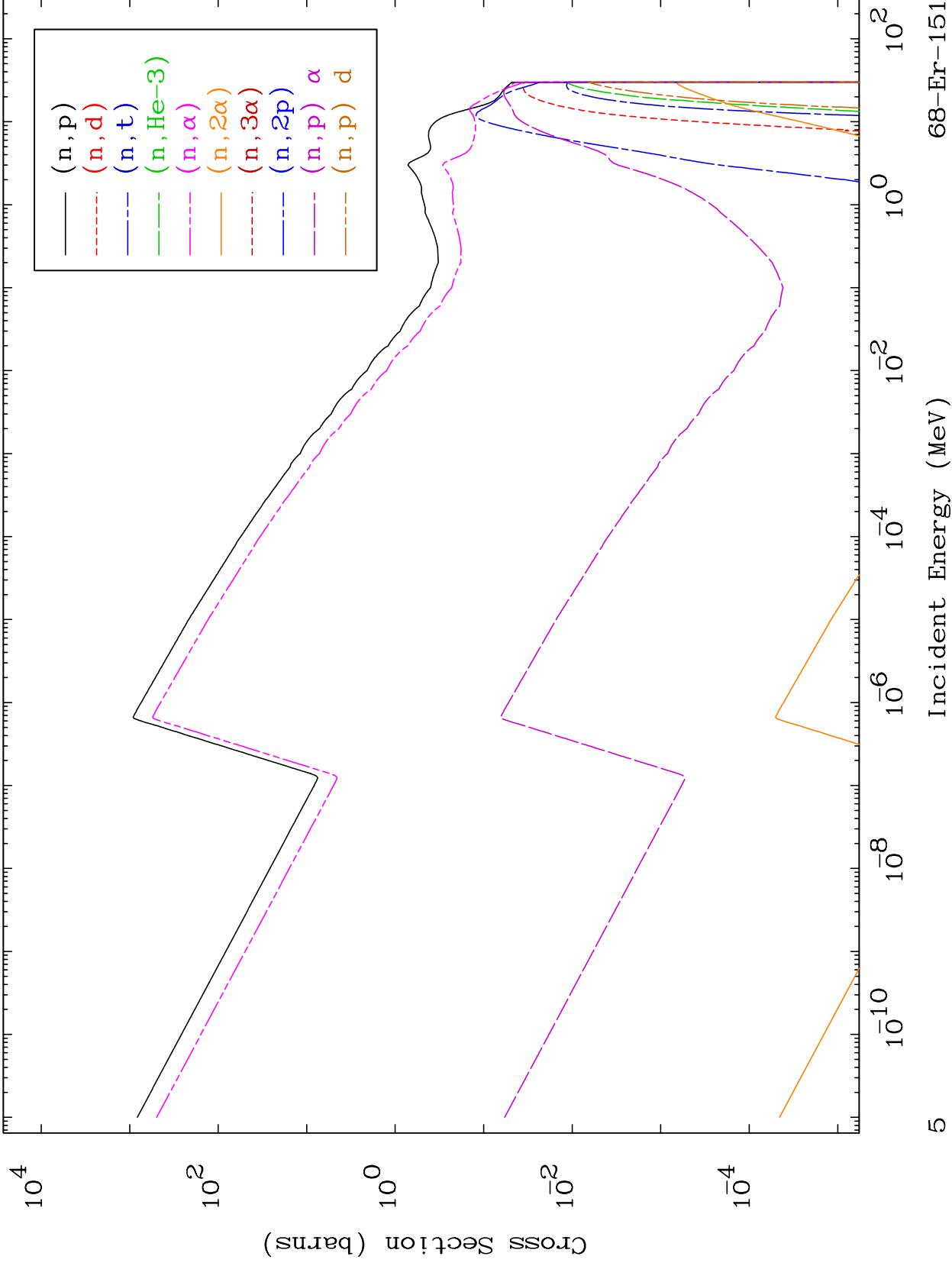


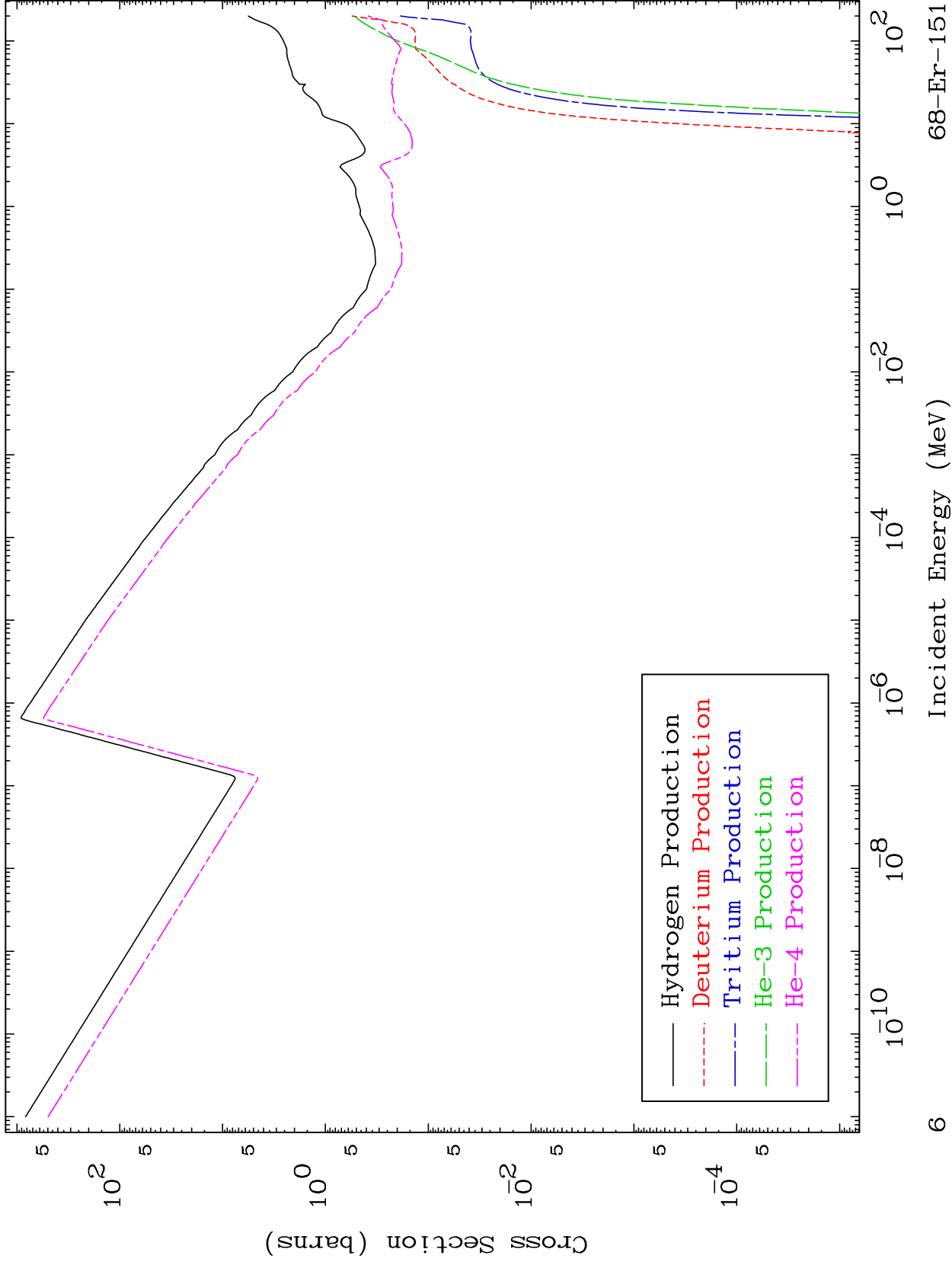
MAT 6792

Charged Particle  
293 Kelvin Cross Sections

68-Er-151





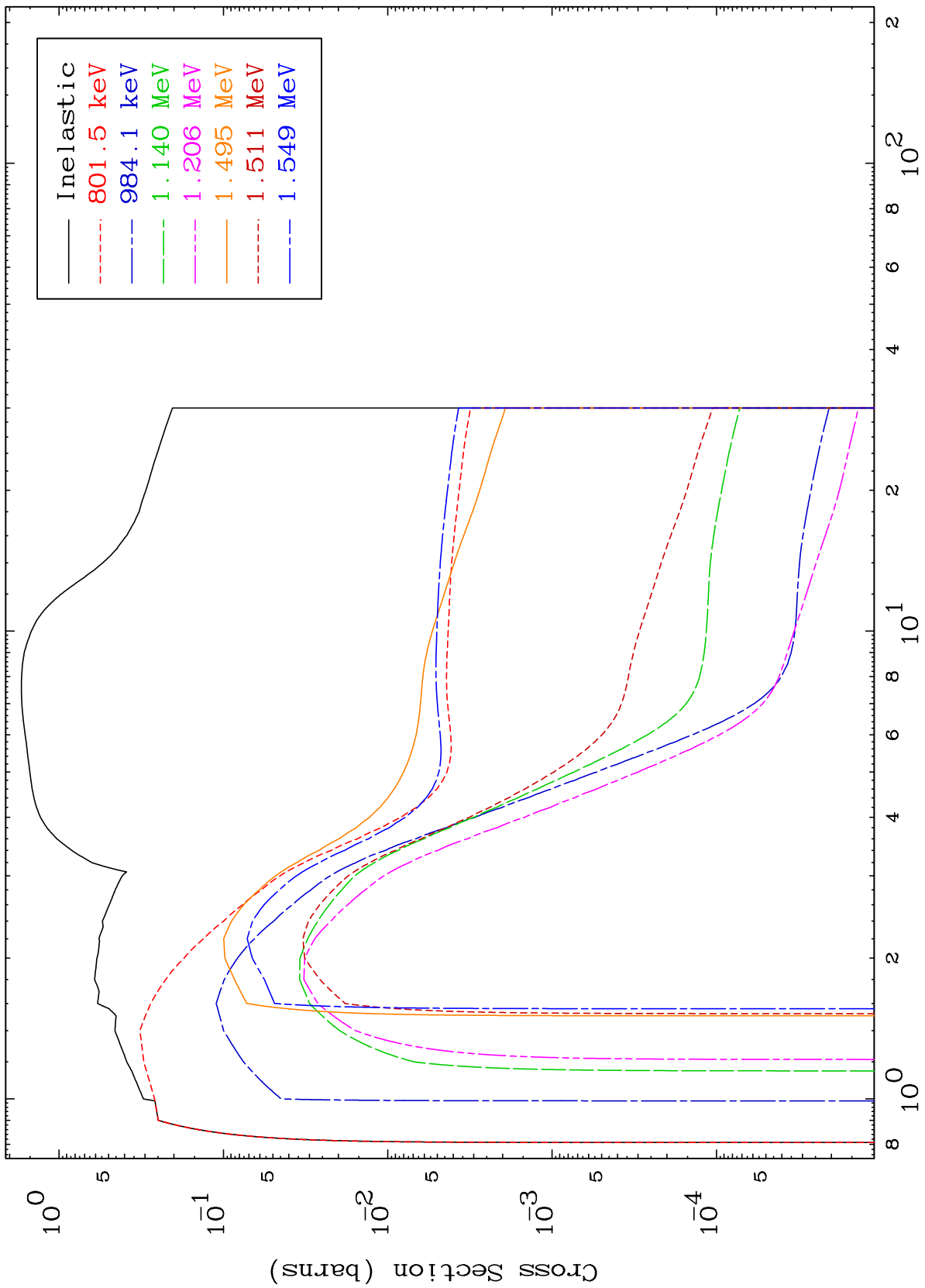


MAT 6792

(n,n') Level

68-Er-151

293 Kelvin Cross Sections



Incident Energy (MeV)

68-Er-151

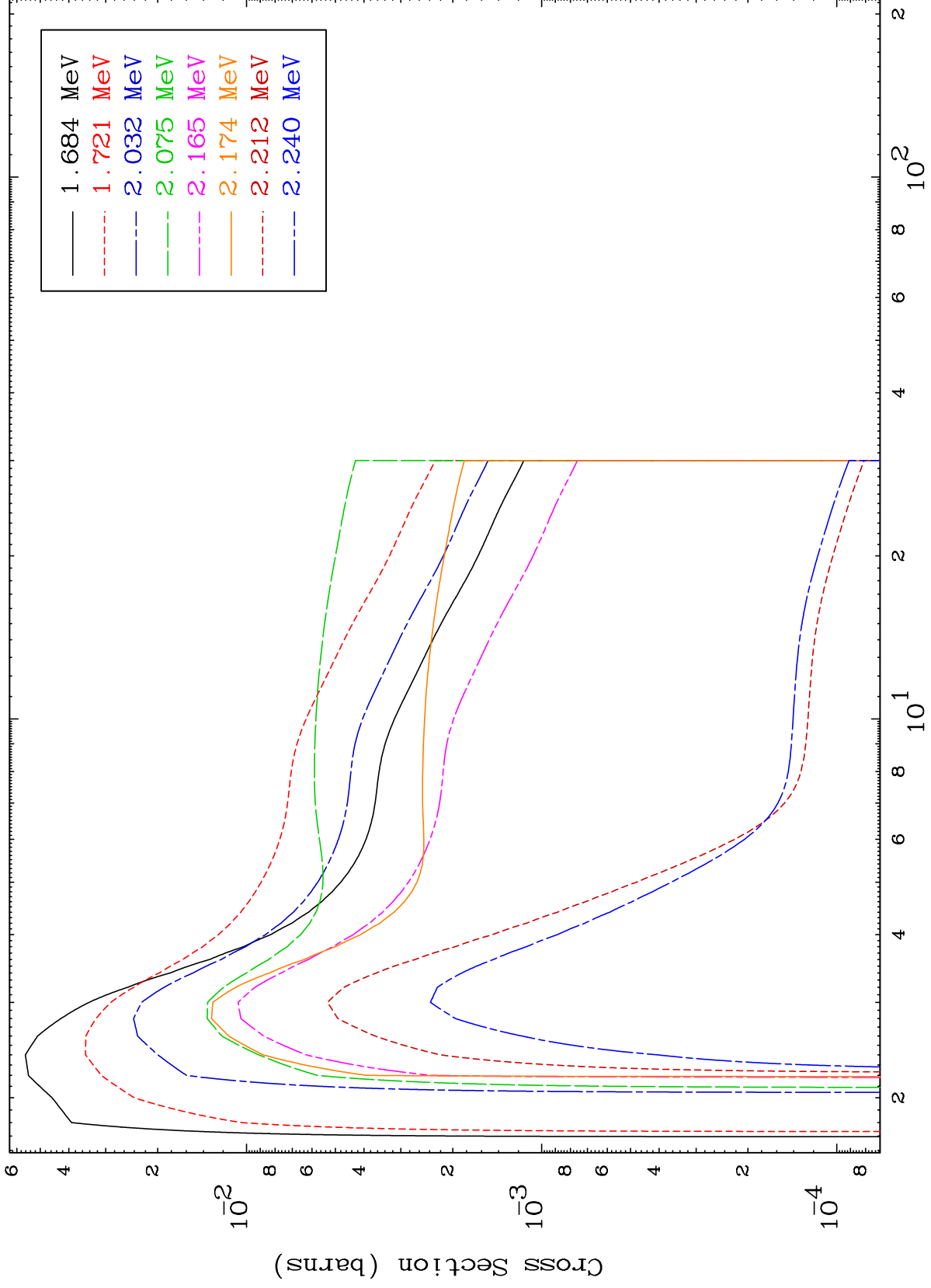
7



MAT 6792

(n,n') Level  
293 Kelvin Cross Sections

68-Er-151

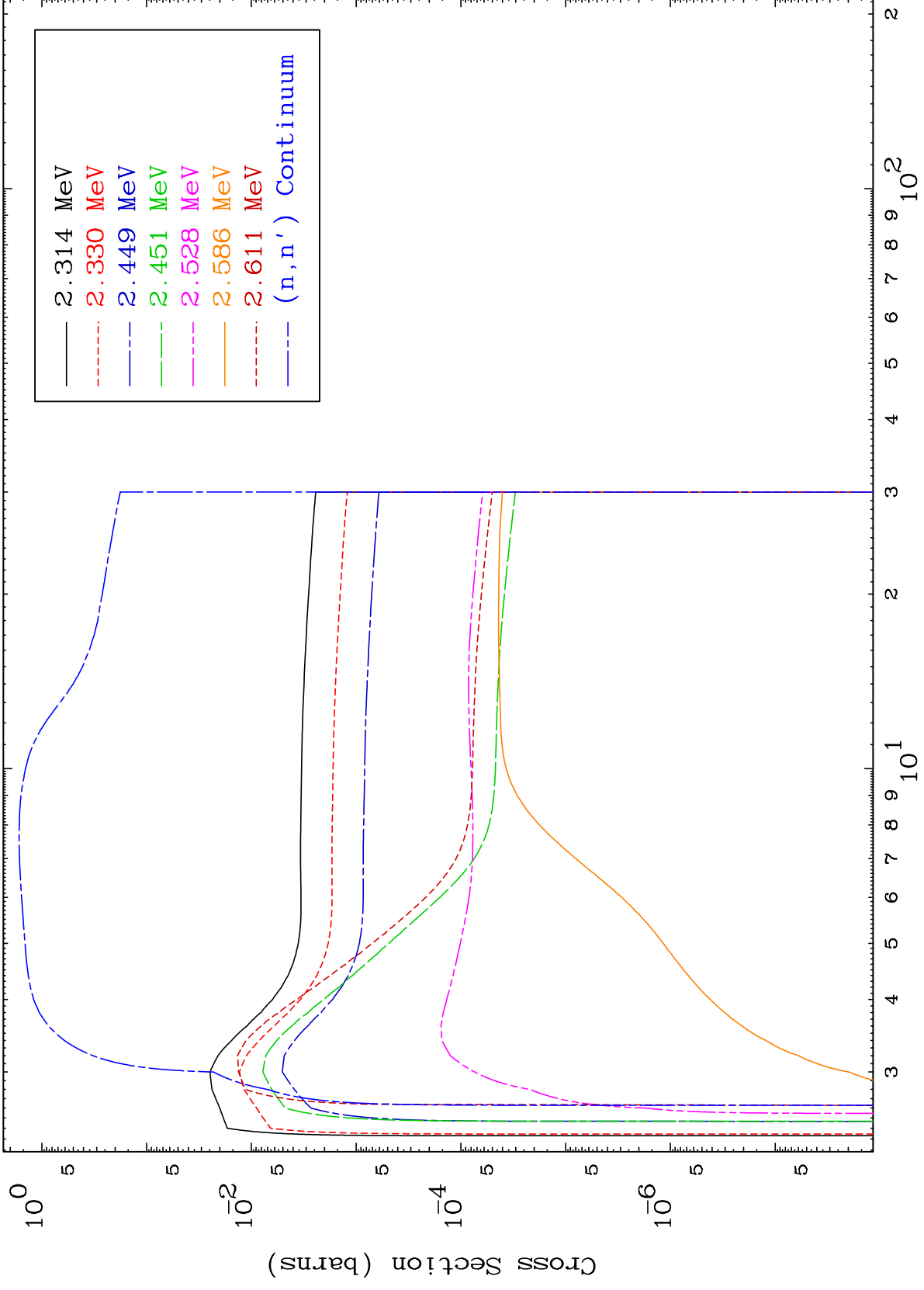


8

Incident Energy (MeV)

68-Er-151

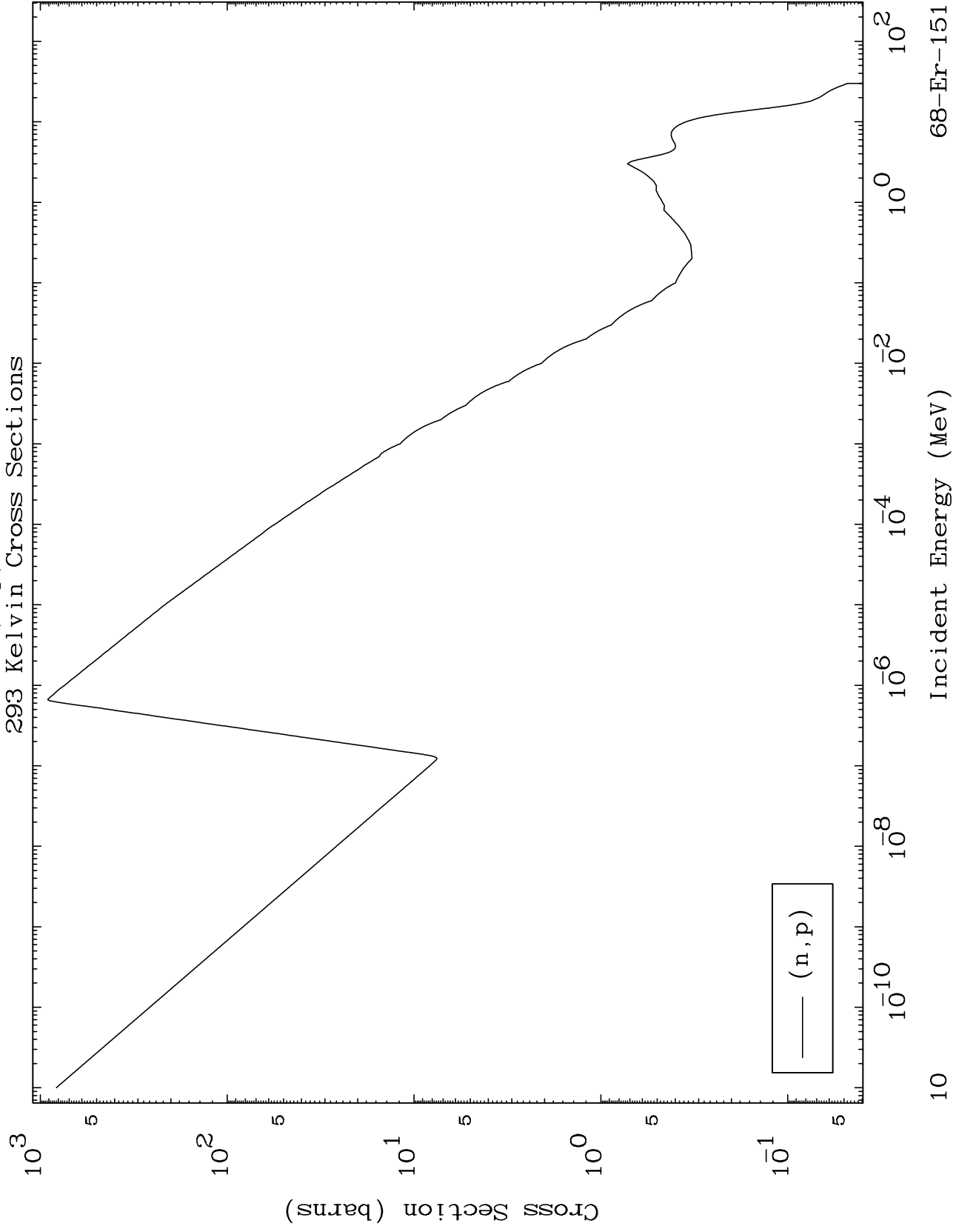
293 Kelvin Cross Sections



MAT 6792

(n,p) Levels  
293 Kelvin Cross Sections

68-Er-151



10

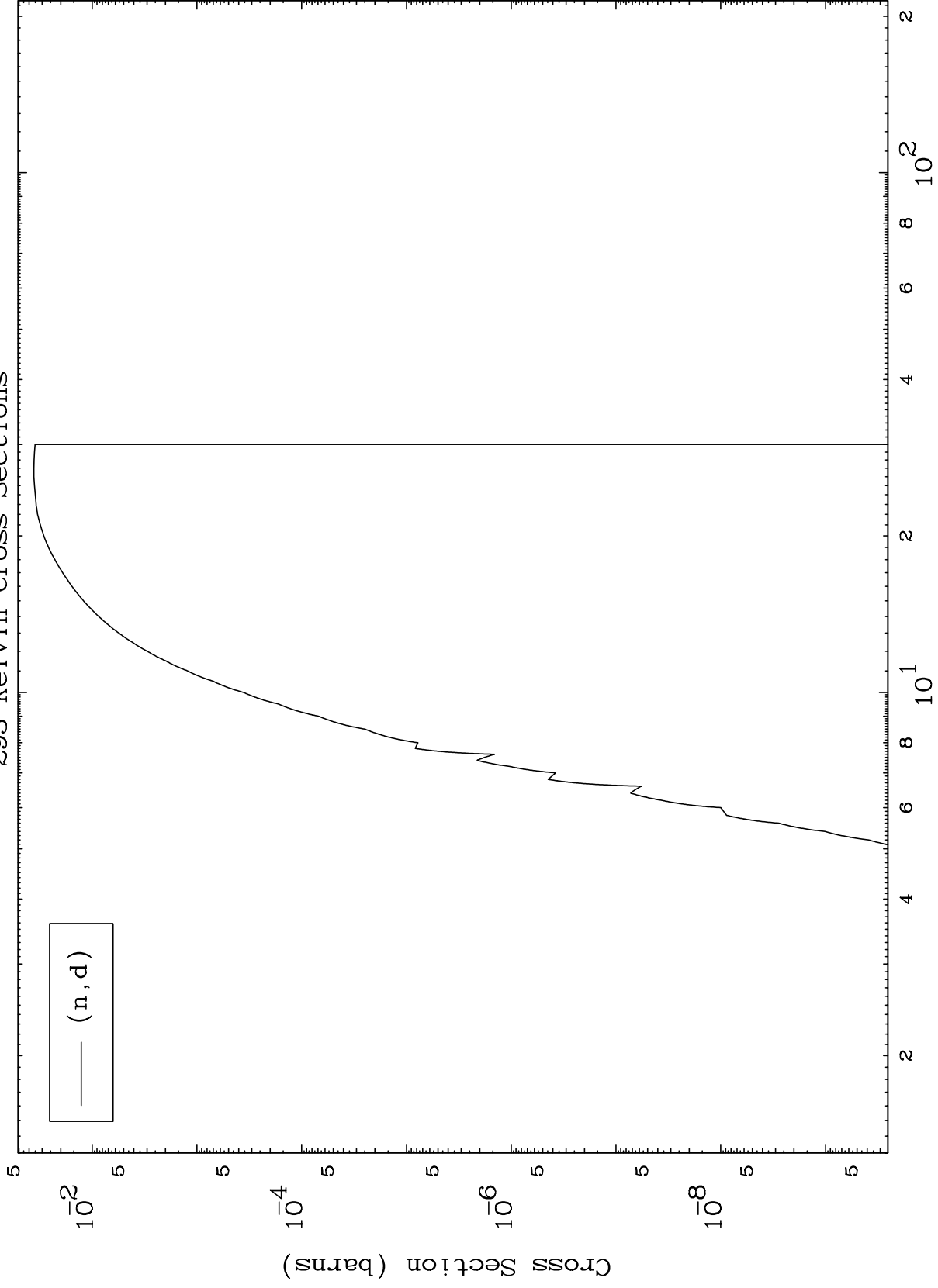
Incident Energy (MeV)

68-Er-151

MAT 6792

(n,d) Levels  
293 Kelvin Cross Sections

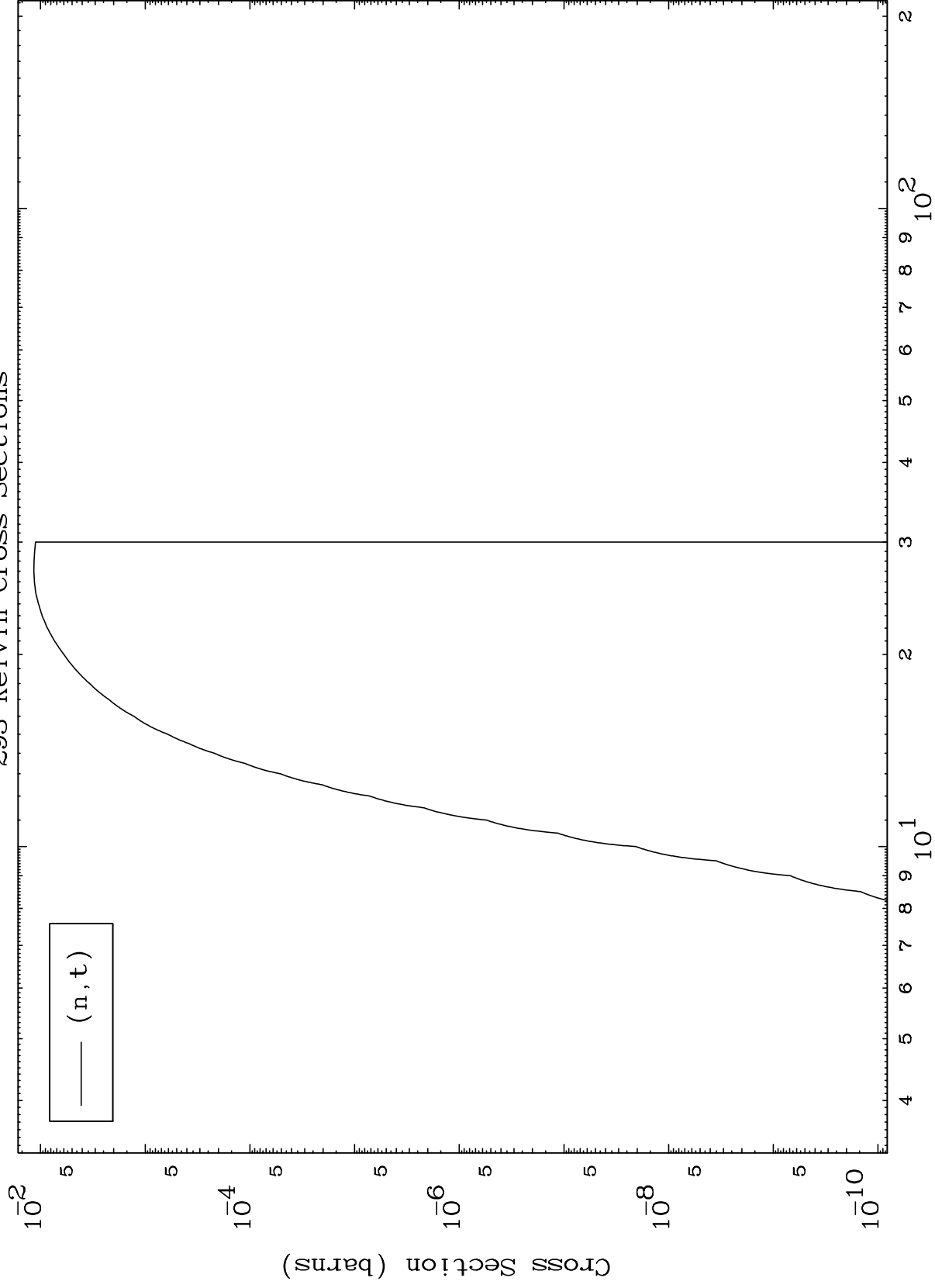
68-Er-151



MAT 6792

(n,t) Levels  
293 Kelvin Cross Sections

68-Er-151



12

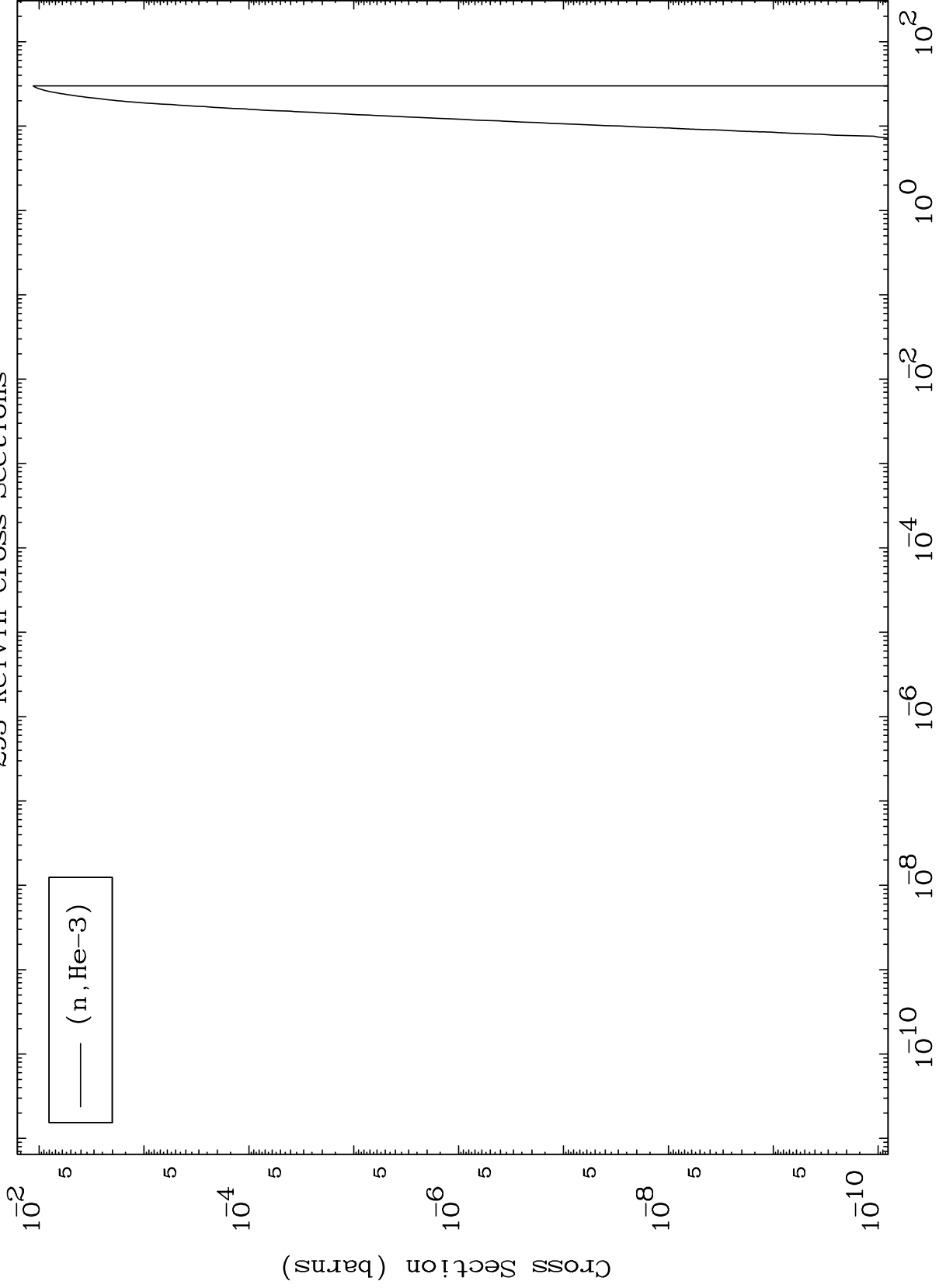
Incident Energy (MeV)

68-Er-151

MAT 6792

(n,He3) Levels  
293 Kelvin Cross Sections

68-Er-151



13

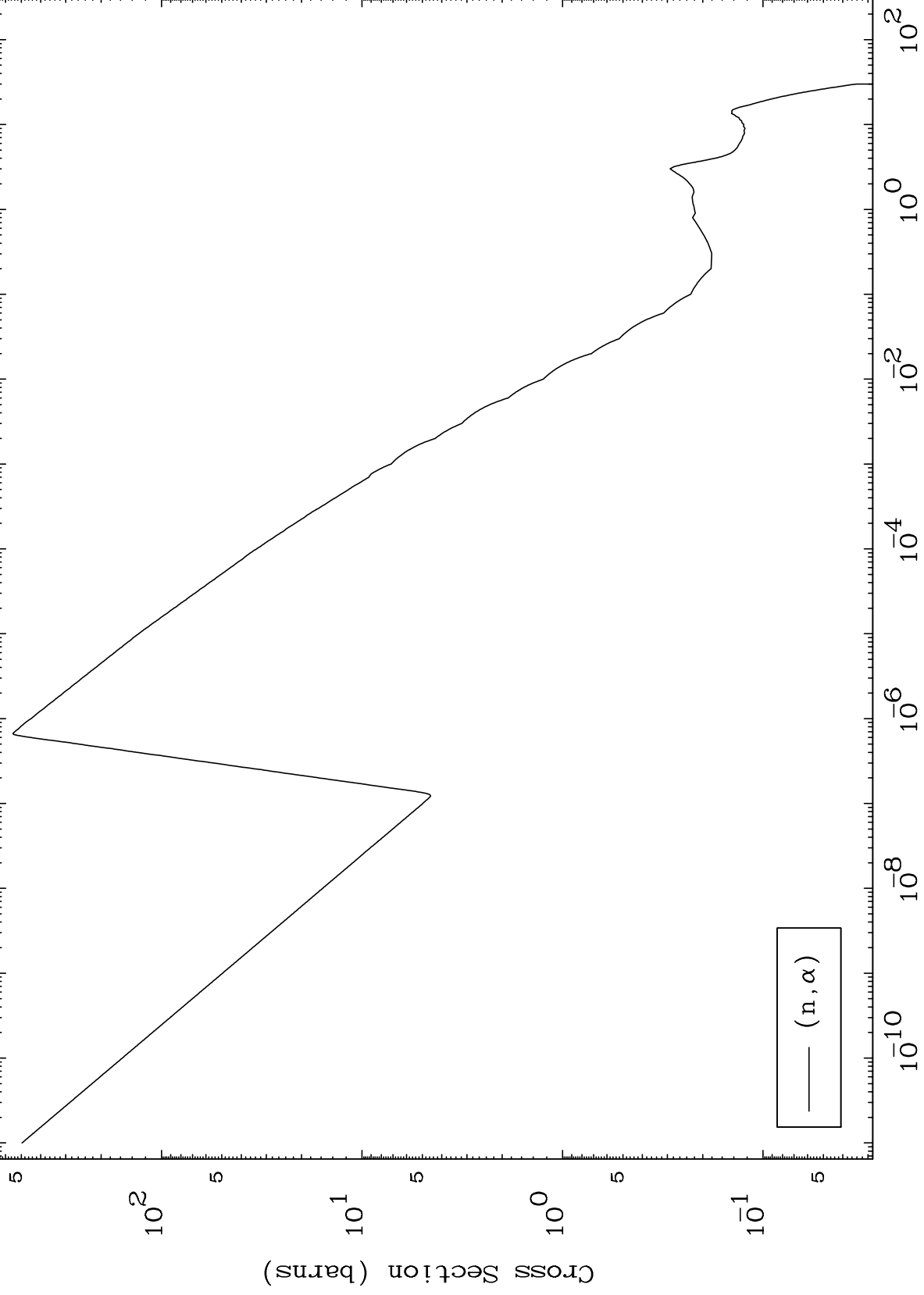
Incident Energy (MeV)

68-Er-151

MAT 6792

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

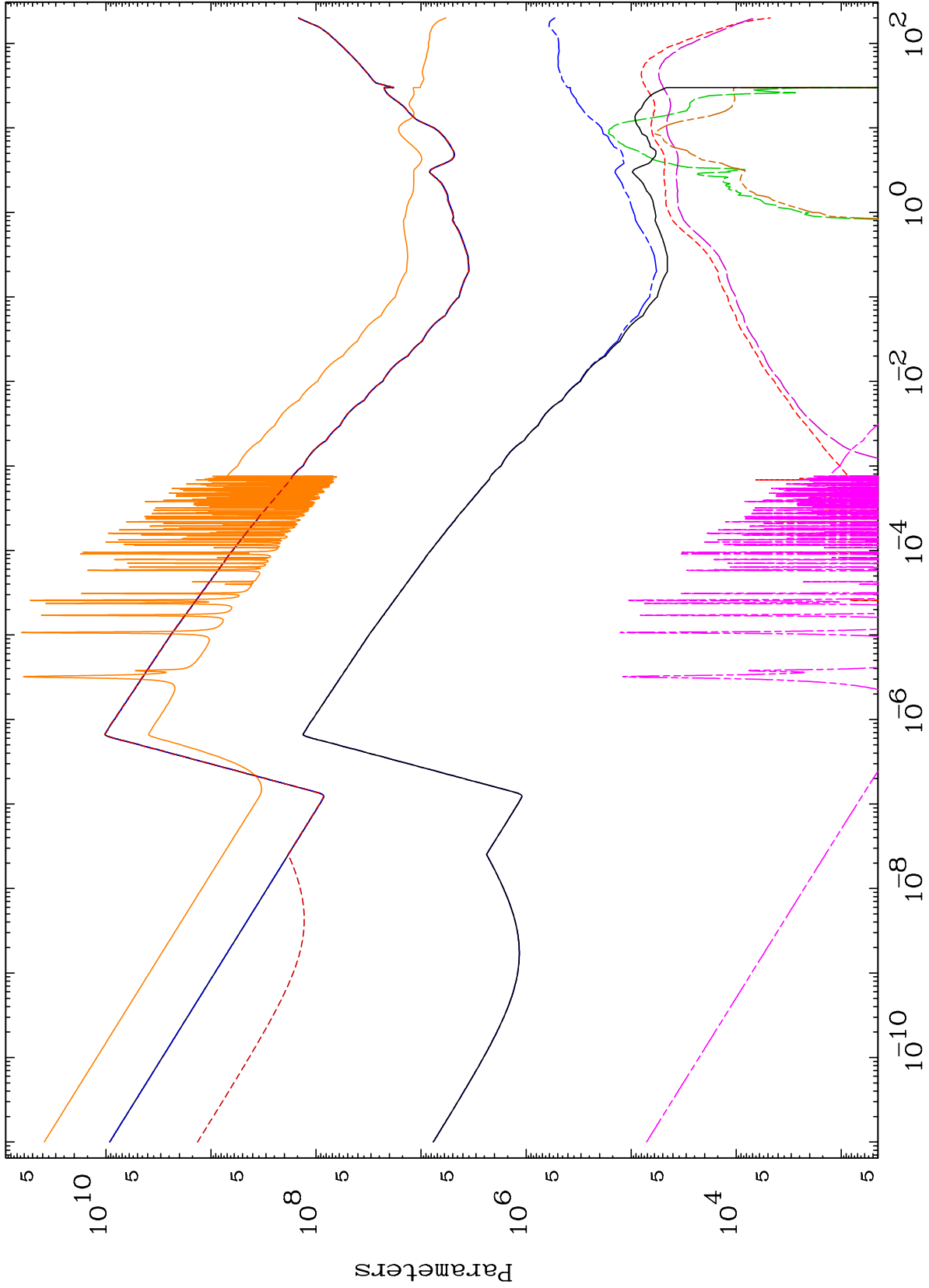
68-Er-151



14

Incident Energy (MeV)

68-Er-151

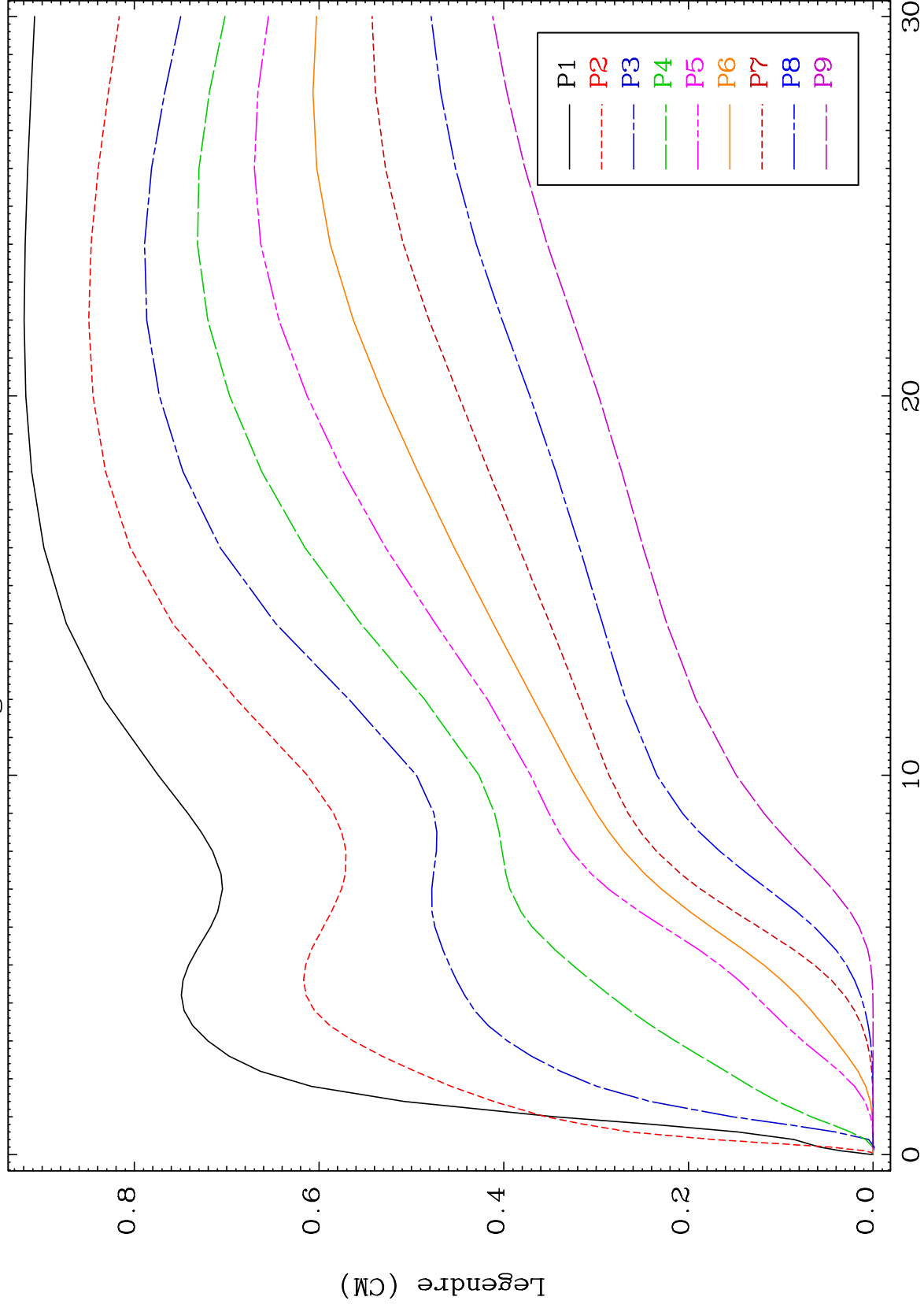




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Elastic Legendre Coefficients

68-Er-151

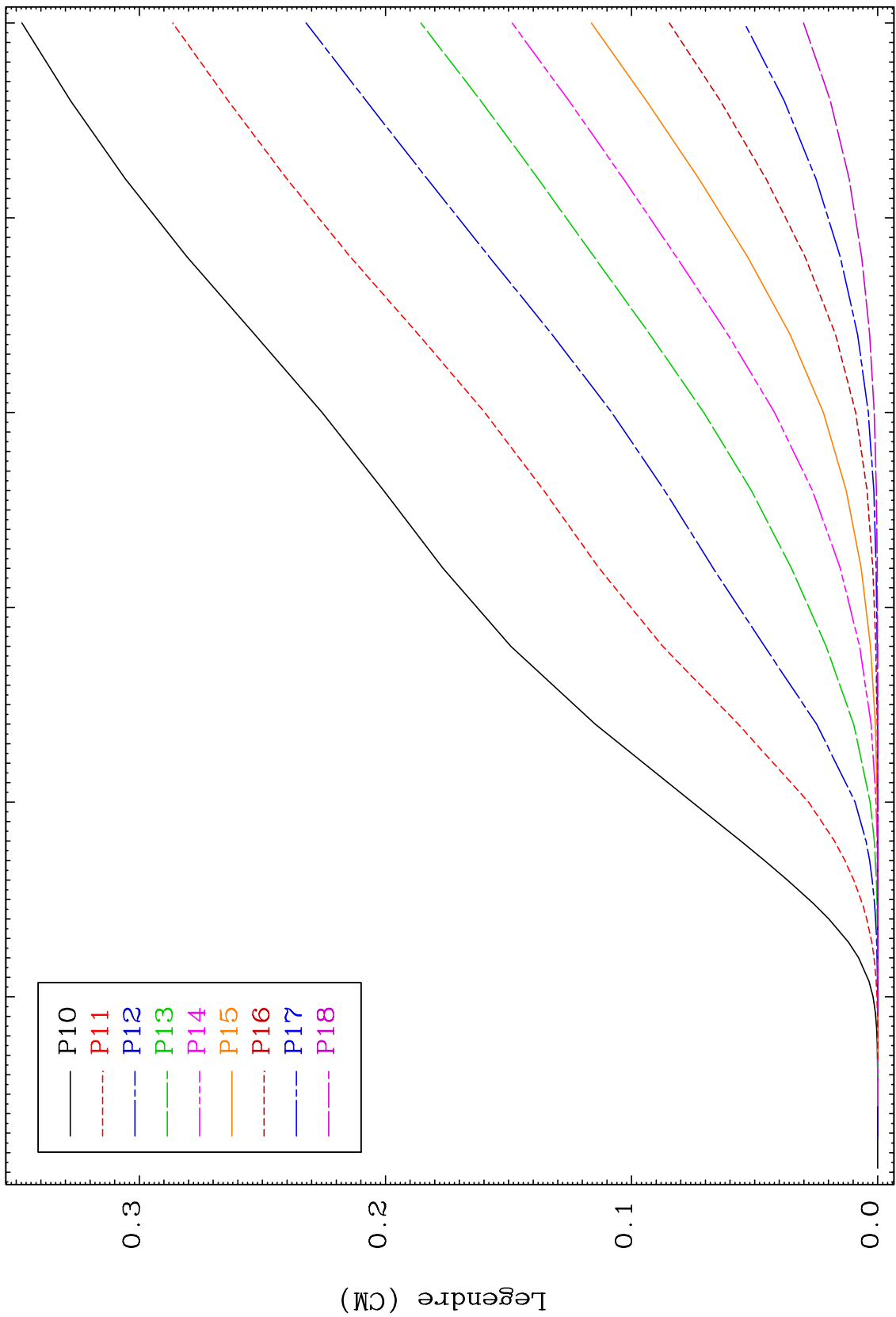


16

Incident Energy (MeV)

68-Er-151

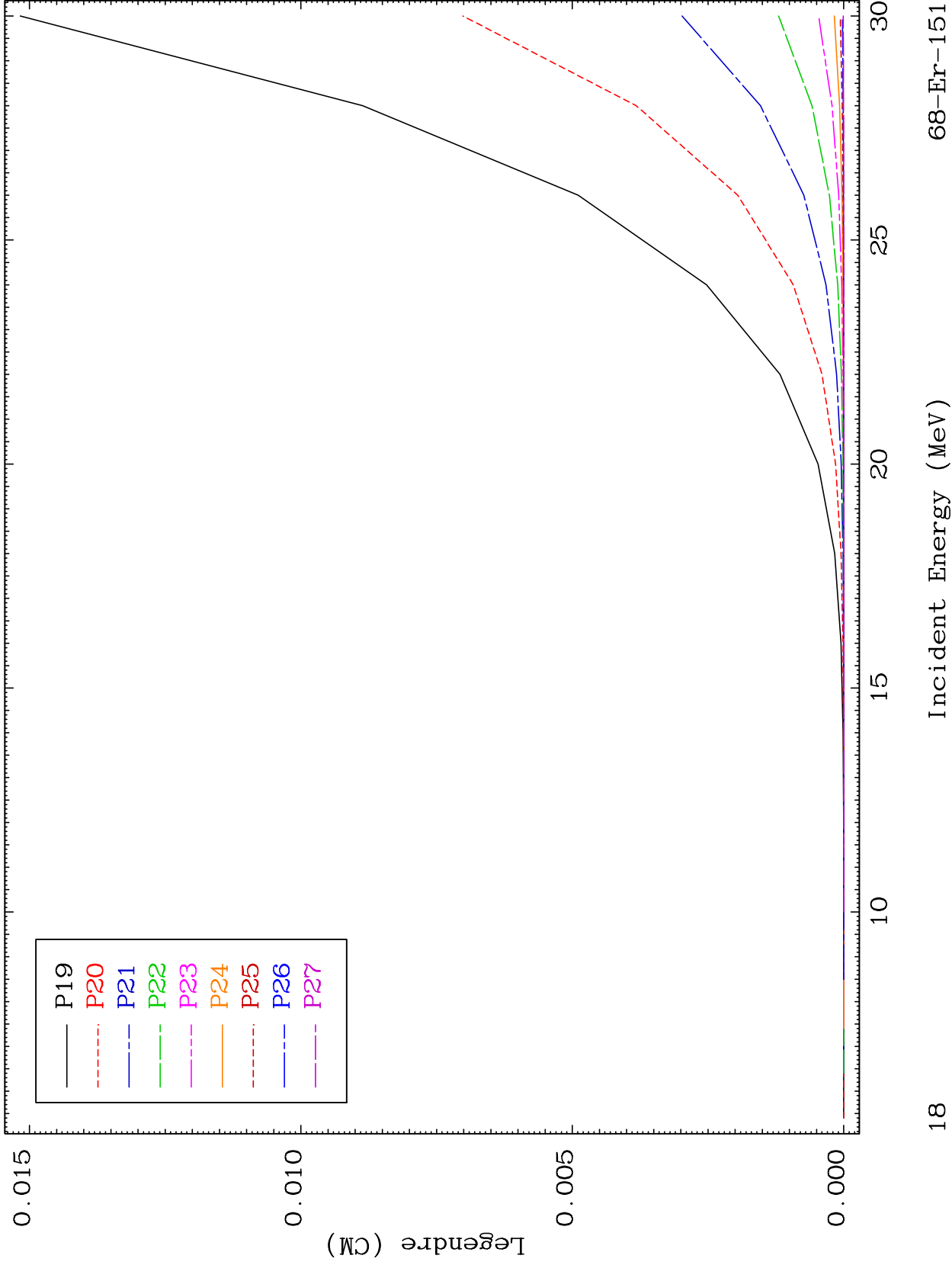
Elastic Legendre Coefficients



MAT 6792

Elastic  
Legendre Coefficients

68-Er-151



18

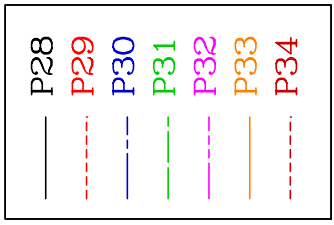
Incident Energy (MeV)

68-Er-151

MAT 6792

Elastic Legendre Coefficients

68-Er-151



$\times 10^{-6}$

2.0

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

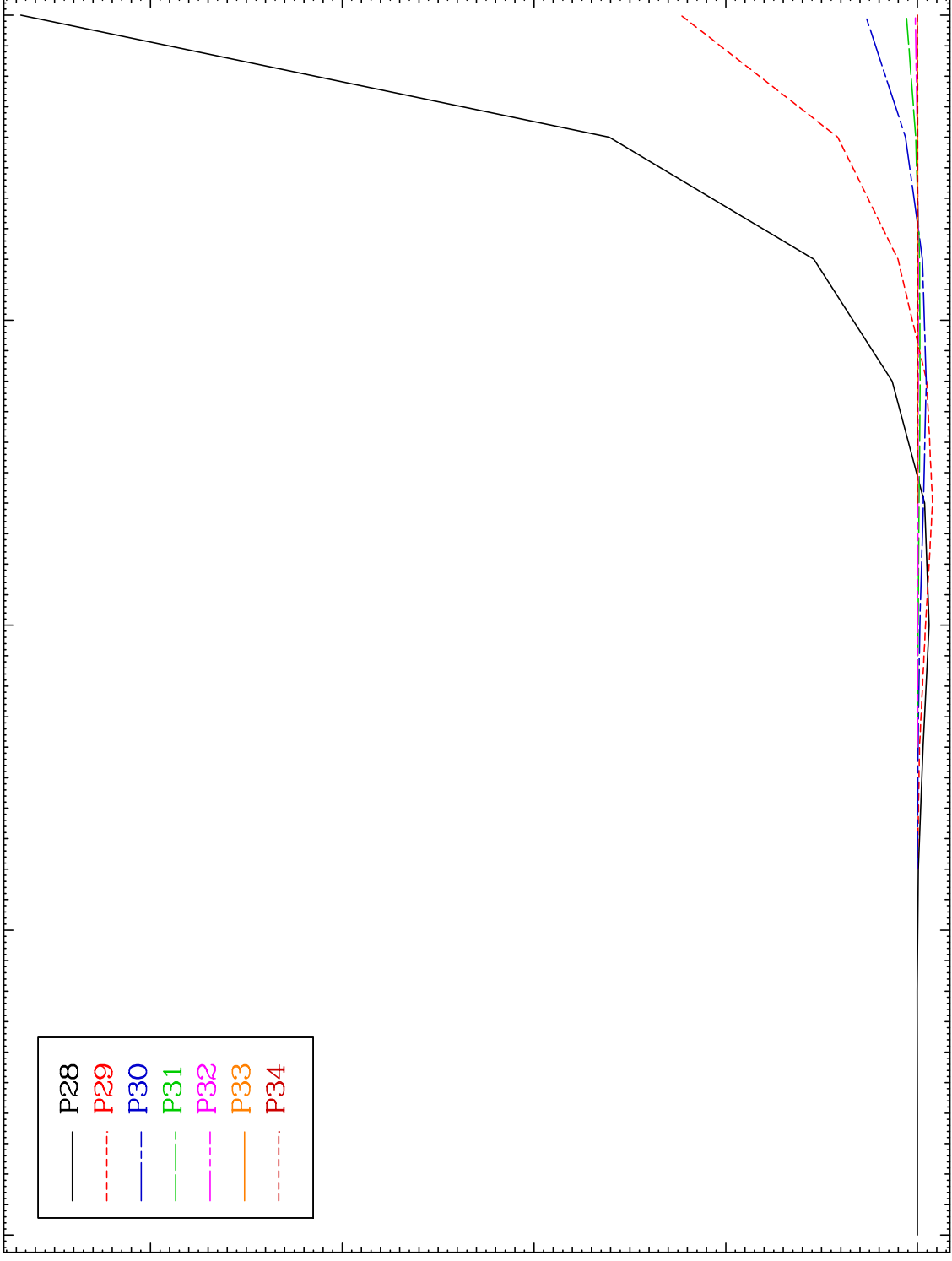
25

30

19

Incident Energy (MeV)

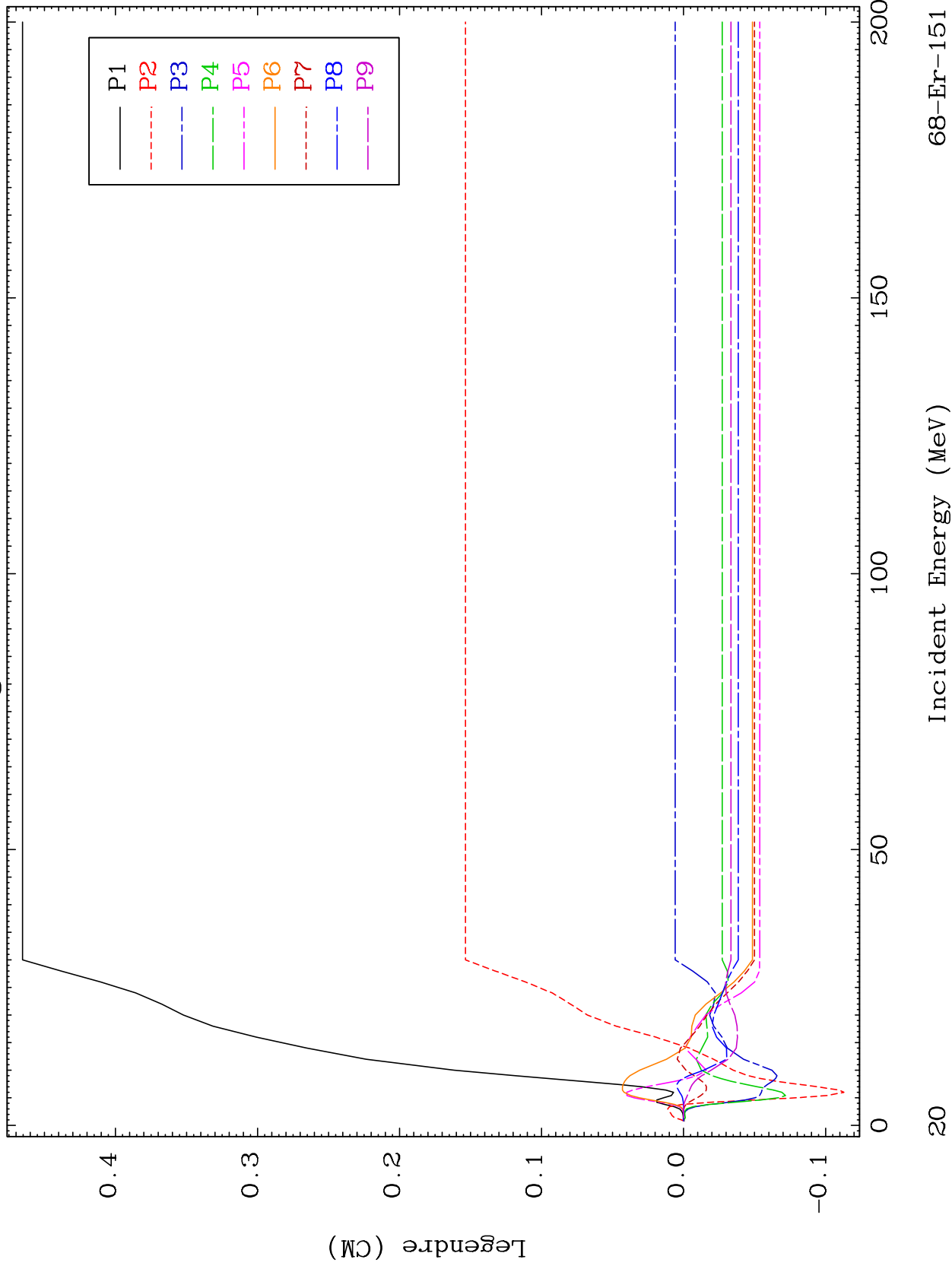
68-Er-151



MAT 6792

801.5 keV (n,n') Level  
Legendre Coefficients

68-Er-151



68-Er-151

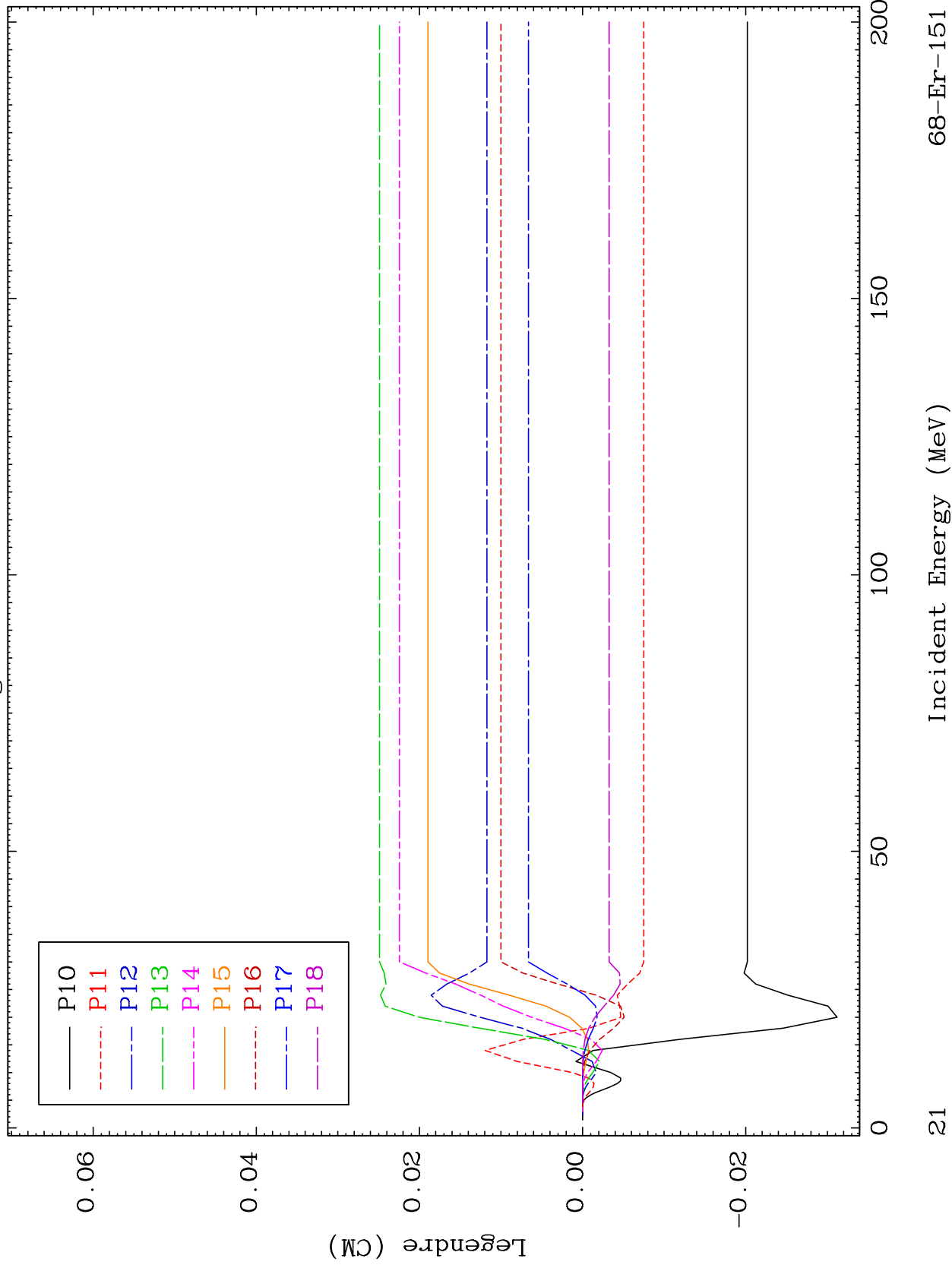
Incident Energy (MeV)

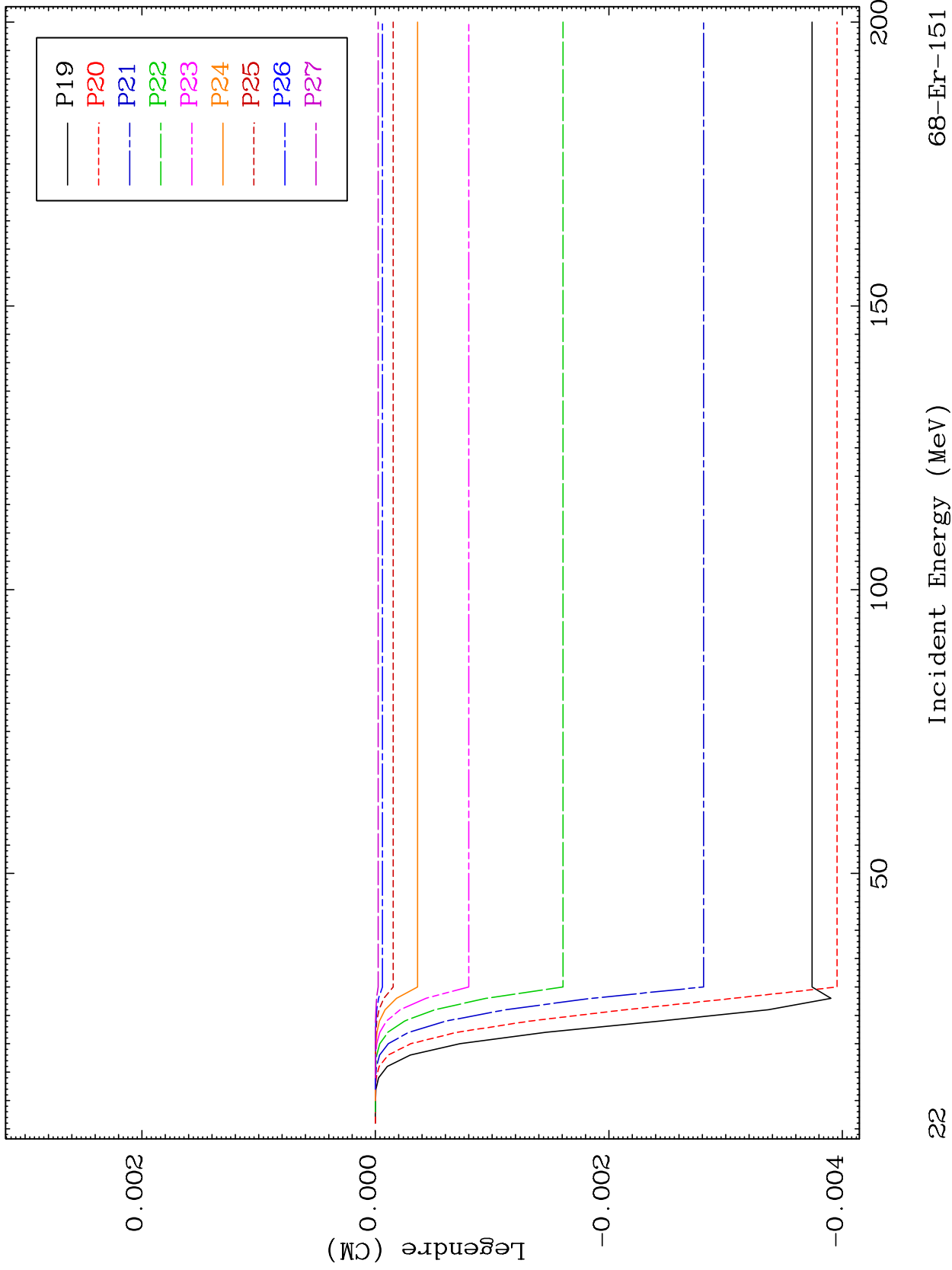
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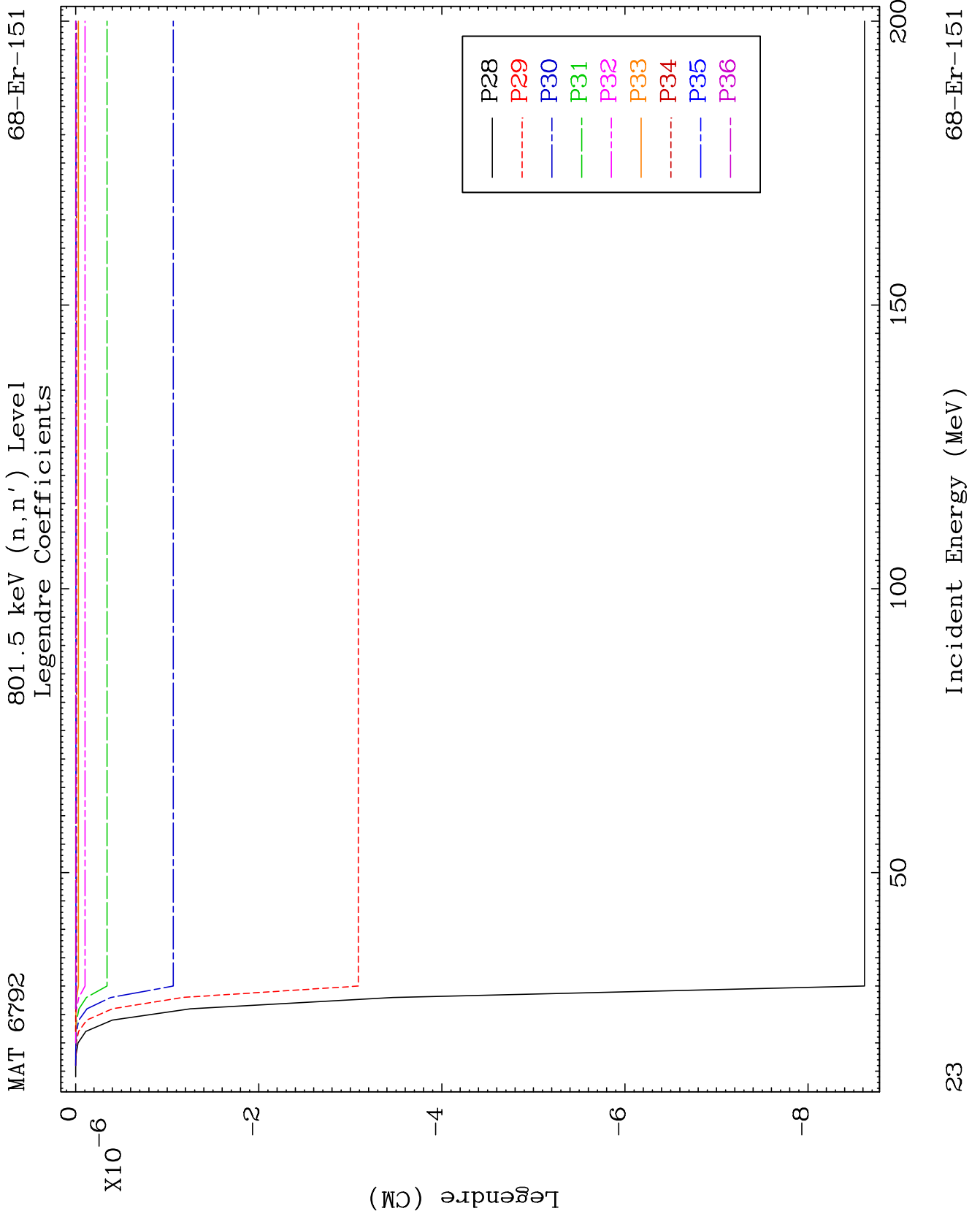
MAT 6792

801.5 keV (n,n') Level  
Legendre Coefficients

68-Er-151





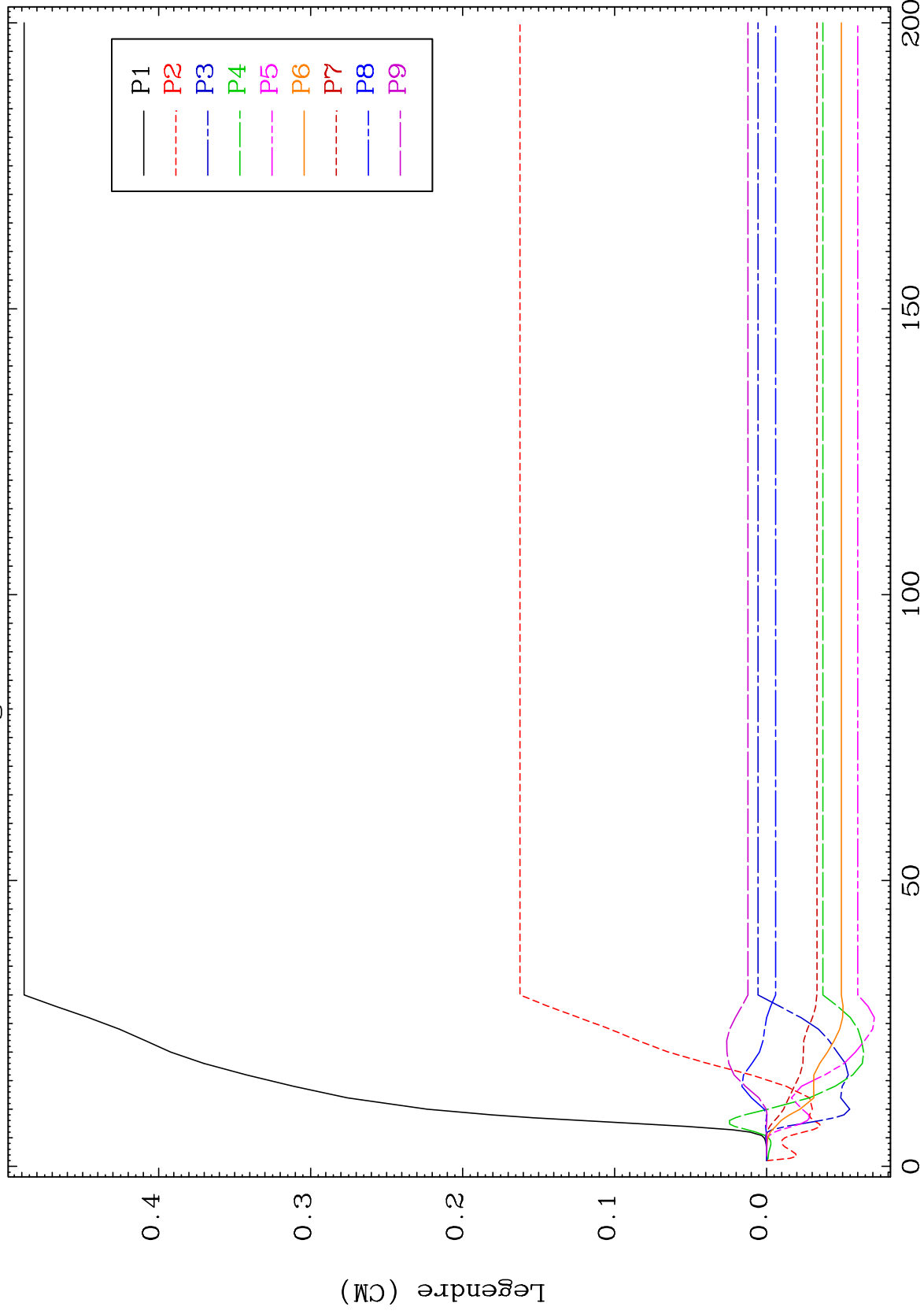




MAT 6792

984.1 keV (n,n') Level  
Legendre Coefficients

68-Er-151

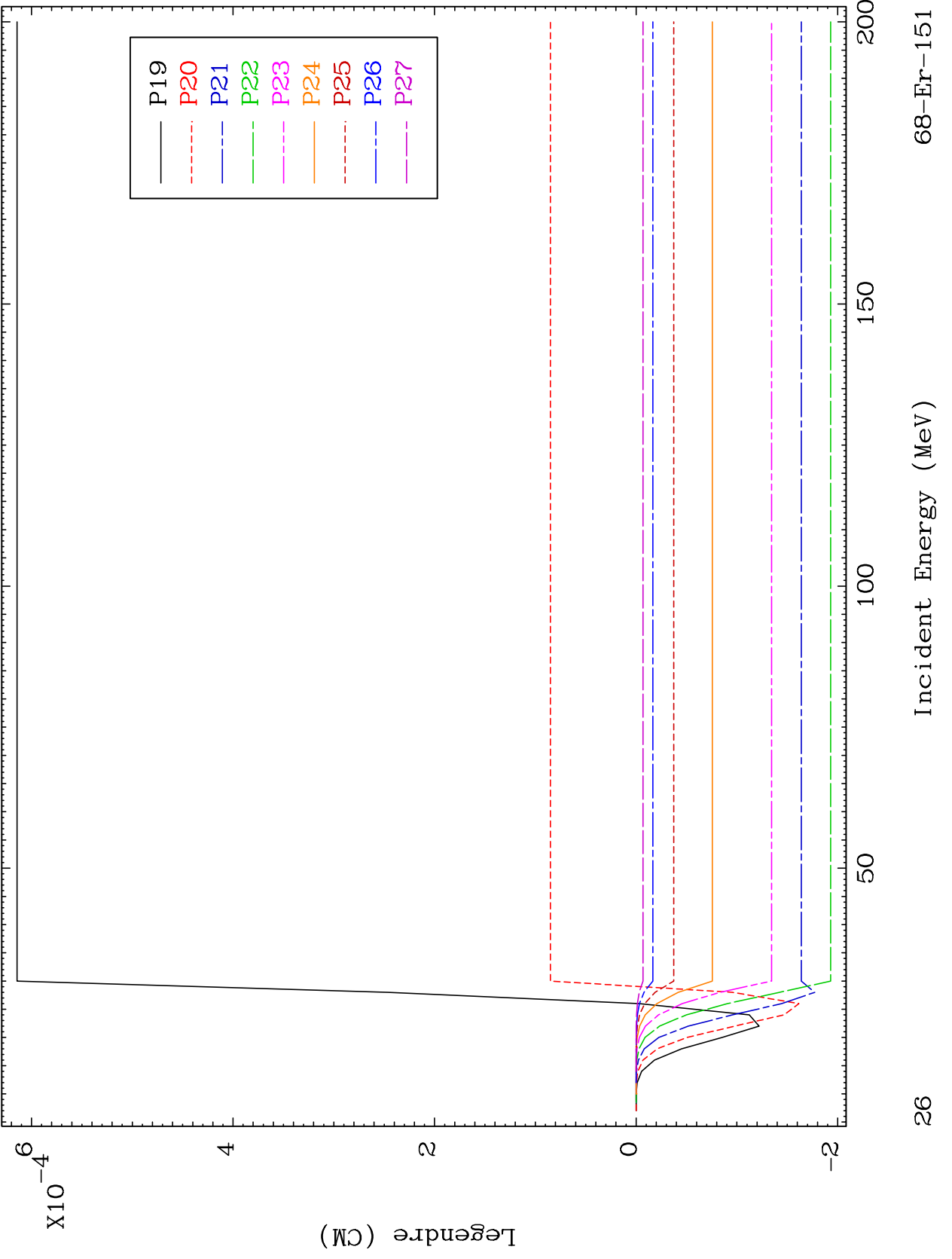


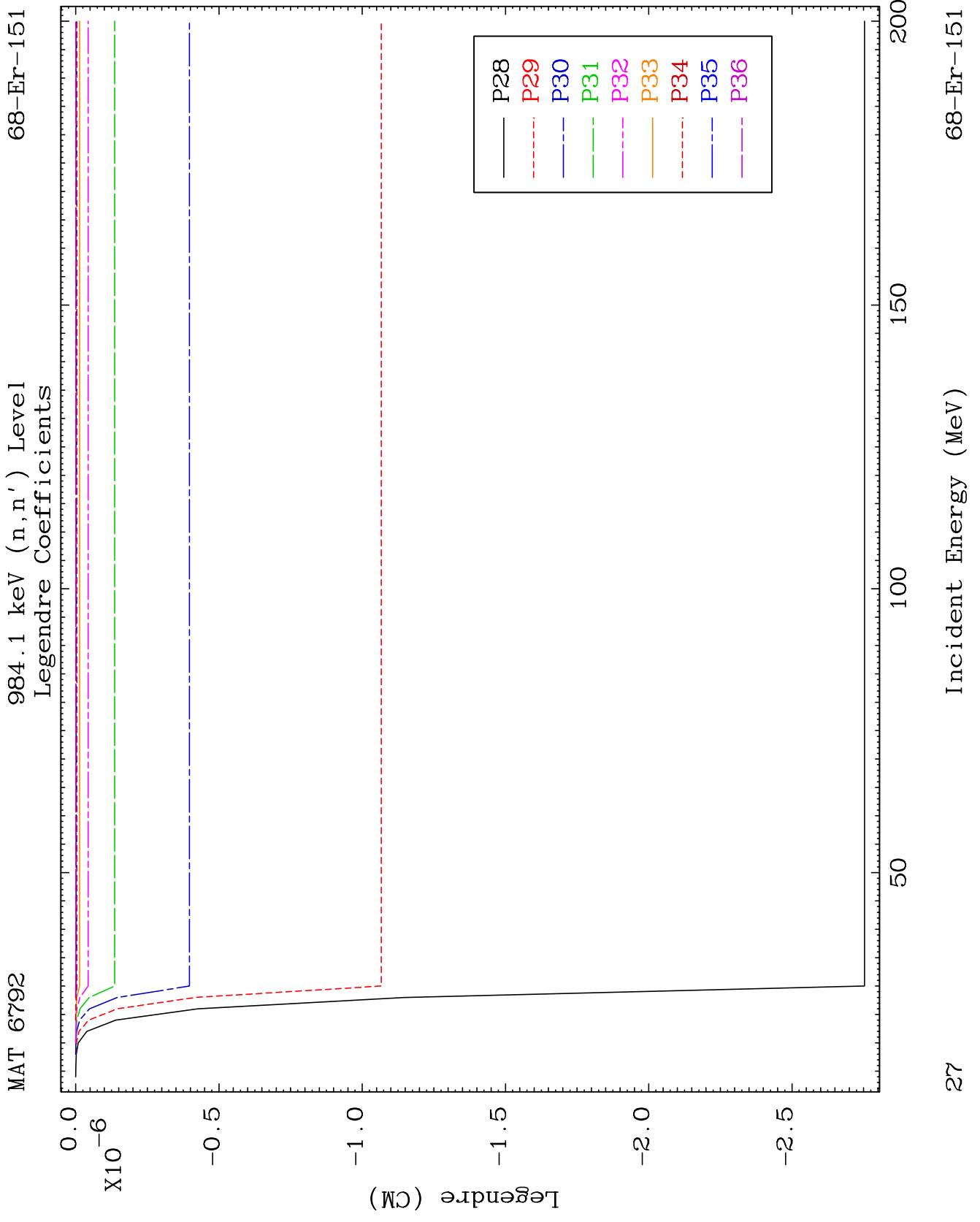
24

Incident Energy (MeV)

68-Er-151



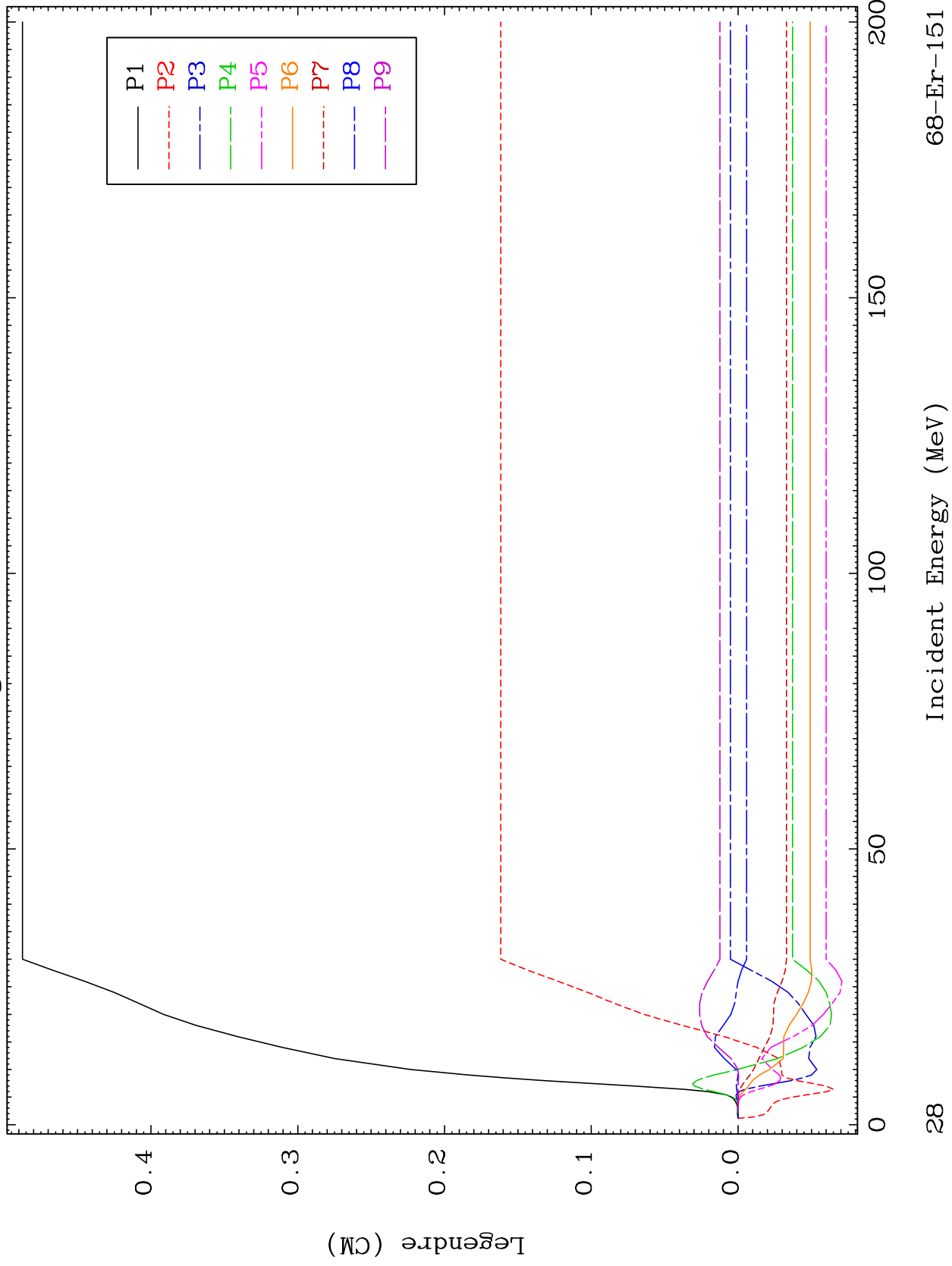




MAT 6792

1.140 MeV (n,n') Level  
Legendre Coefficients

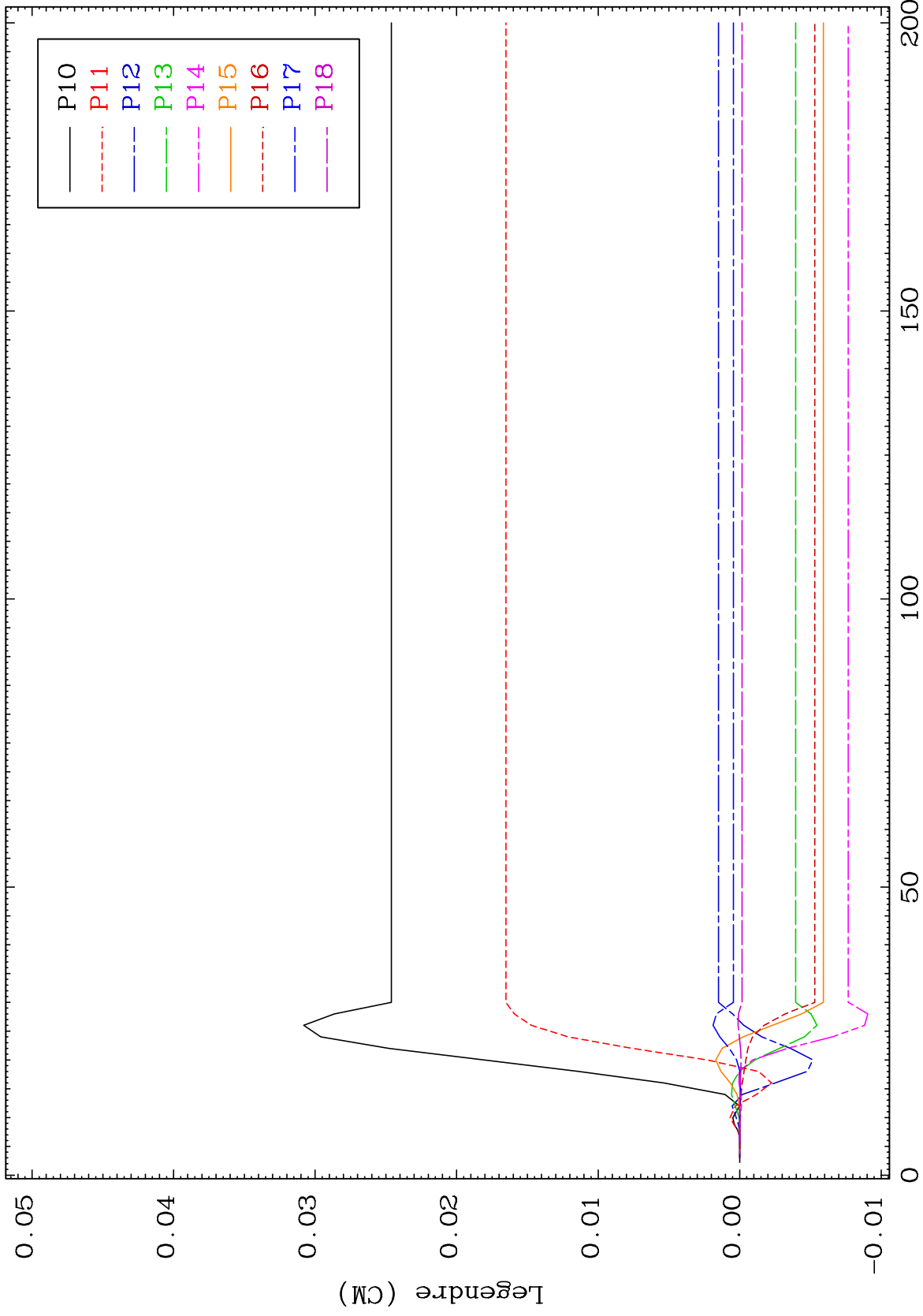
68-Er-151



68-Er-151

Incident Energy (MeV)

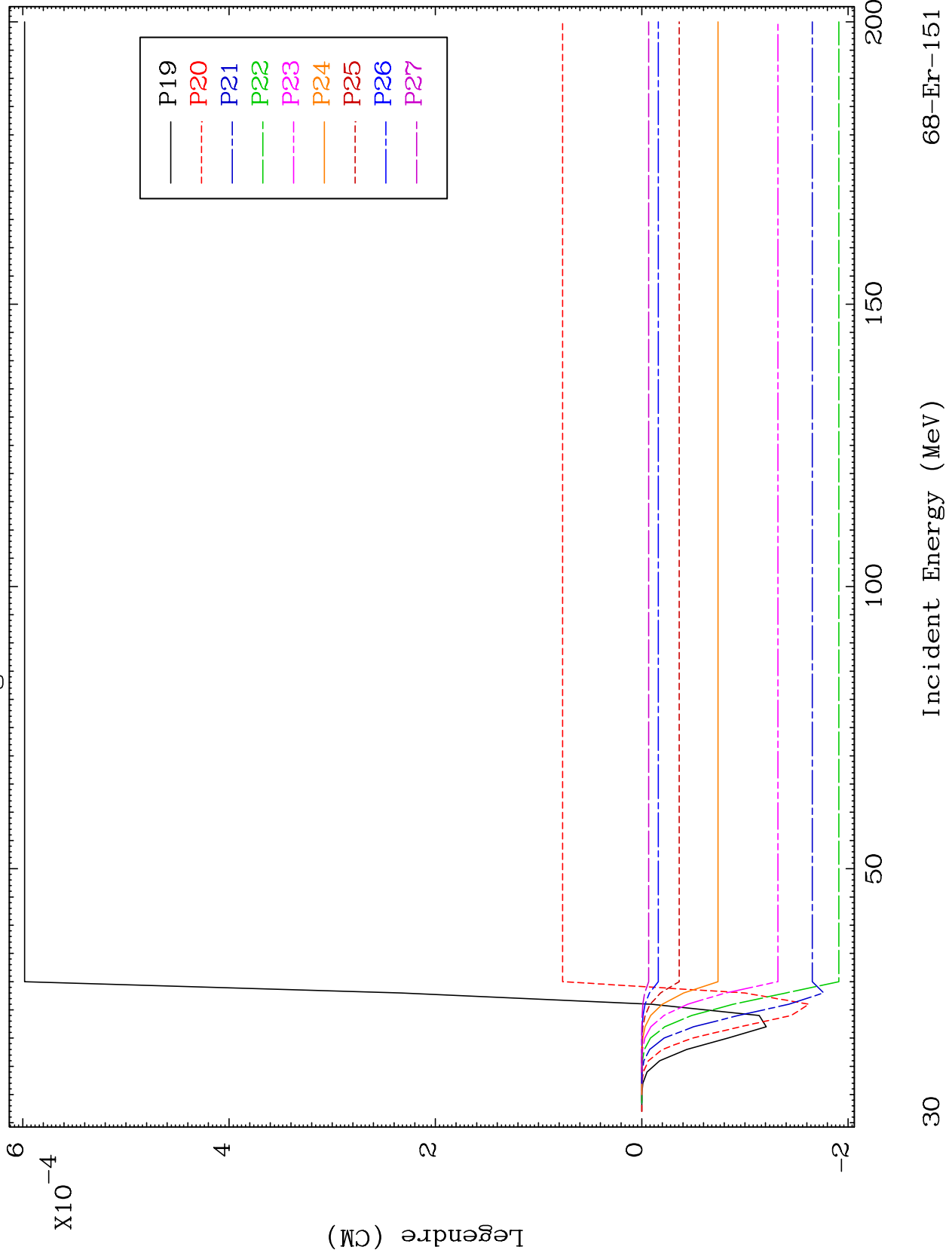
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MAT 6792

1.140 MeV (n,n') Level  
Legendre Coefficients

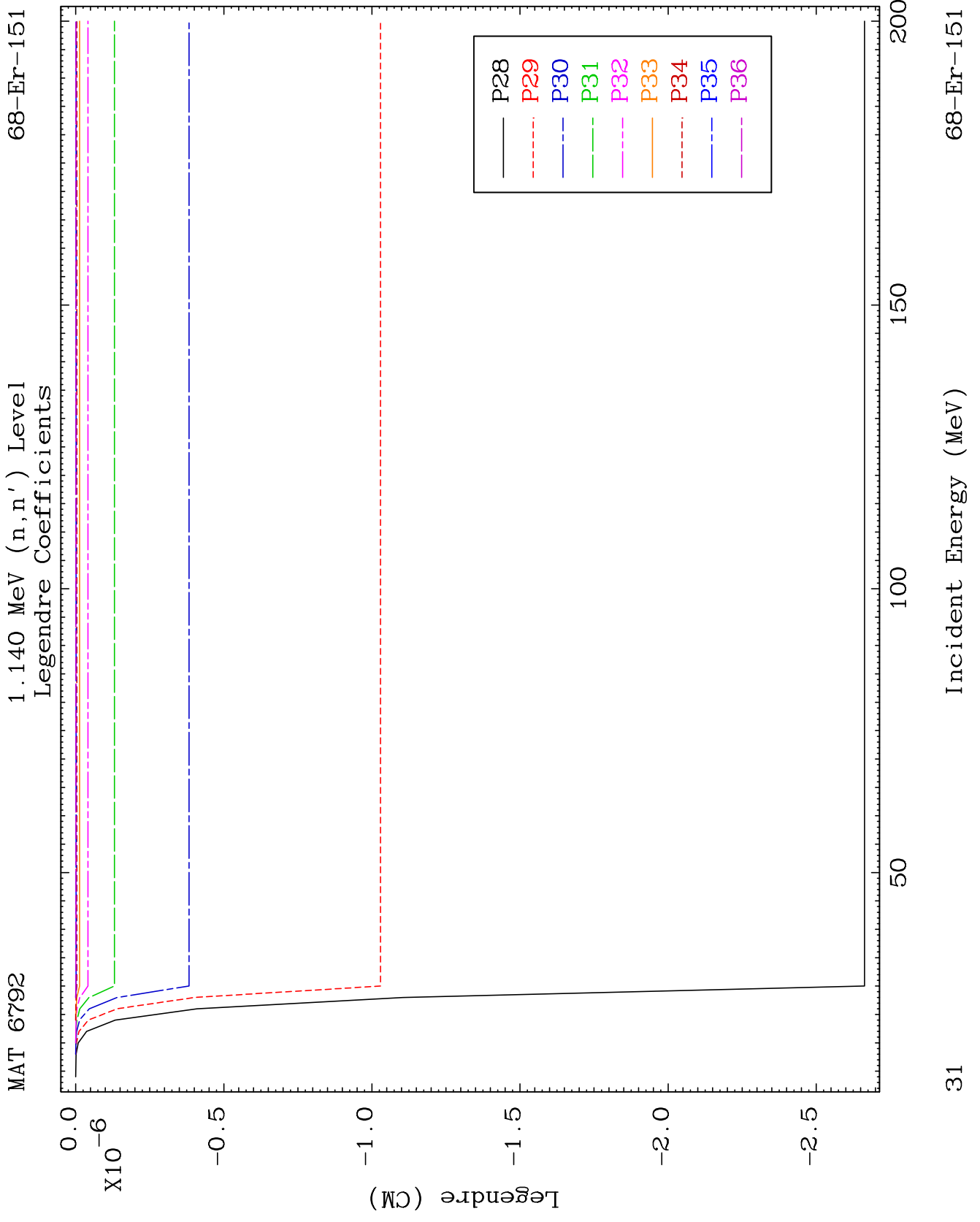
68-Er-151



30

Incident Energy (MeV)

68-Er-151

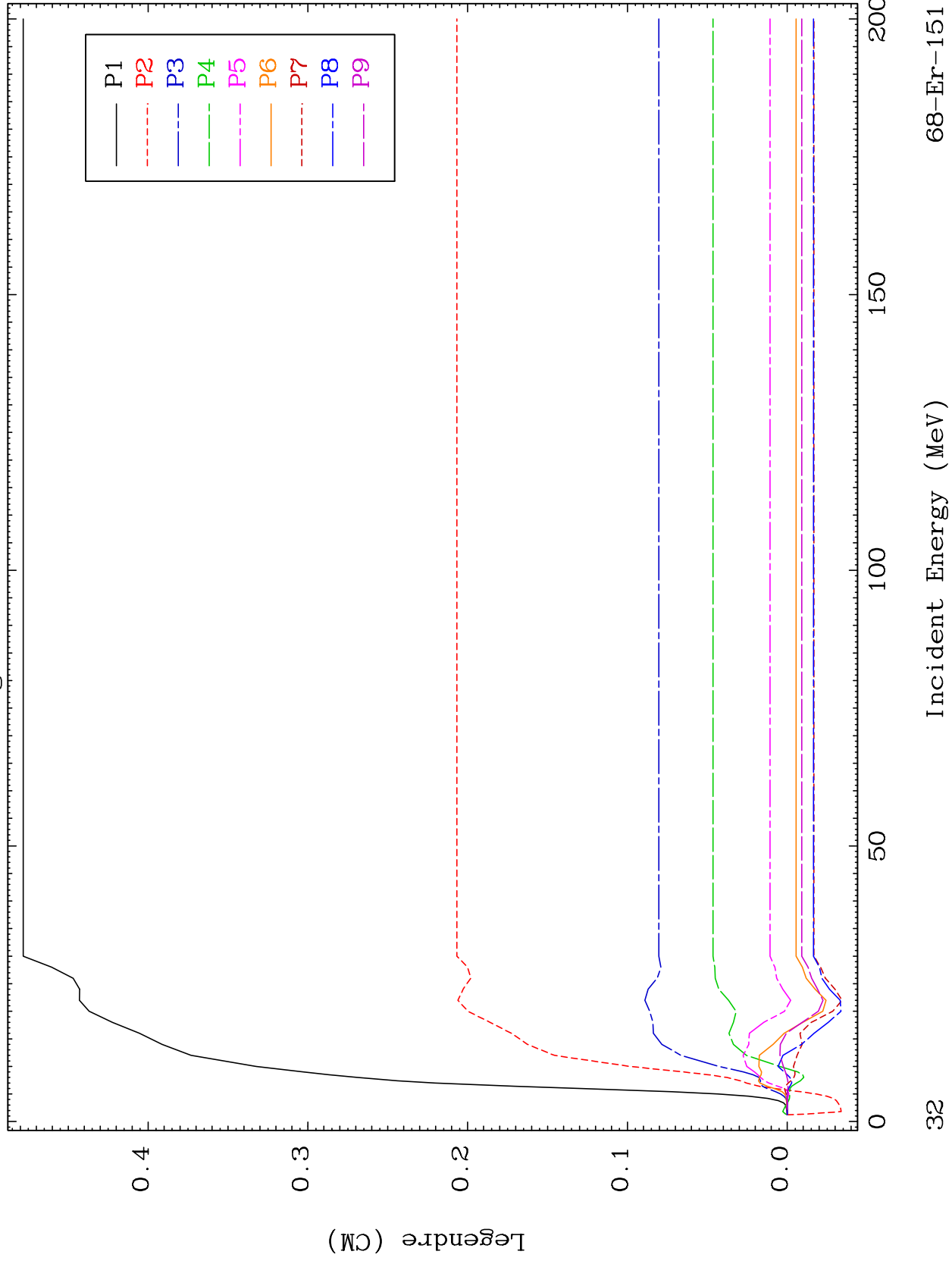




MAT 6792

1.206 MeV (n,n') Level  
Legendre Coefficients

68-Er-151

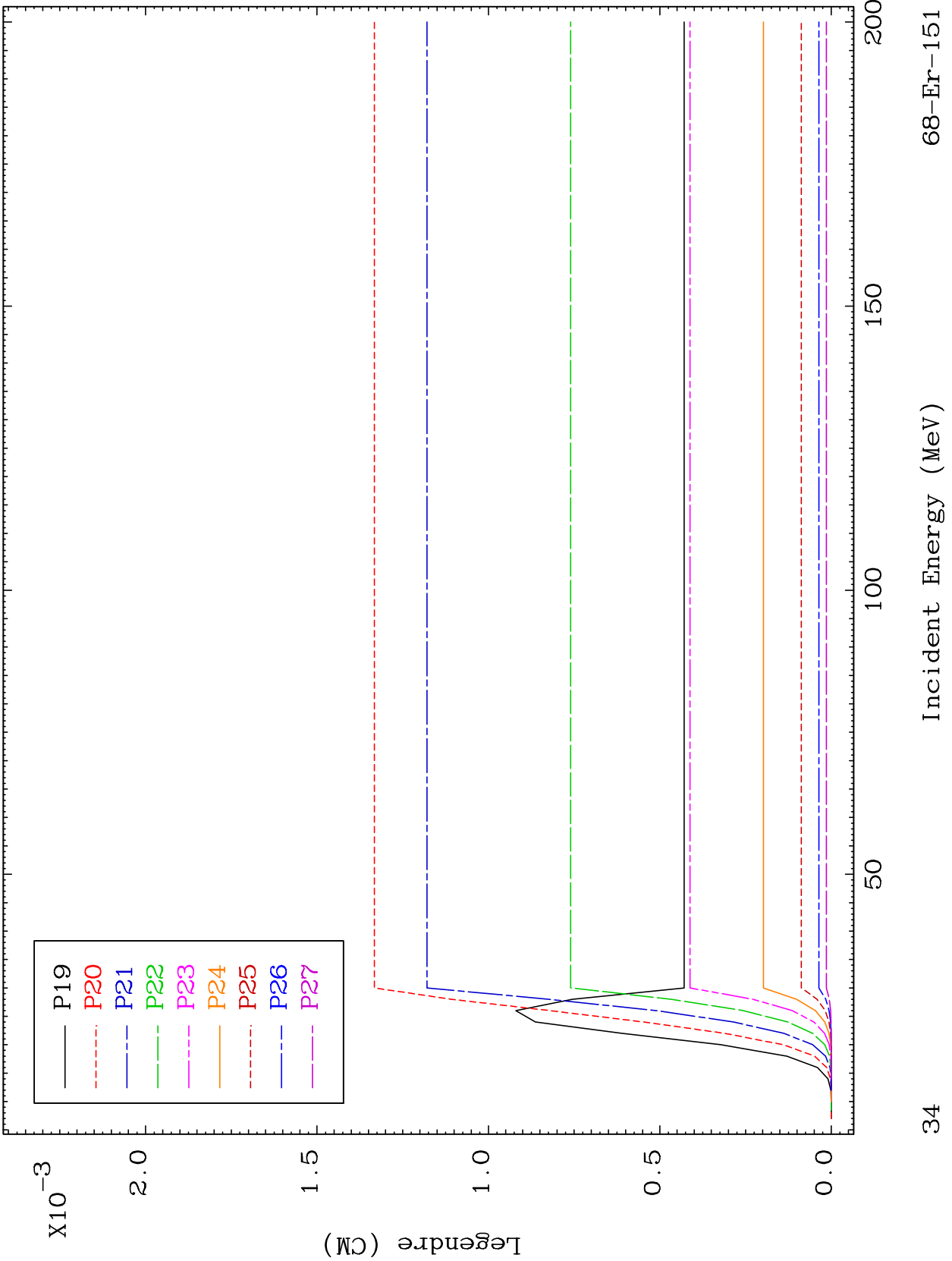


68-Er-151

Incident Energy (MeV)

32

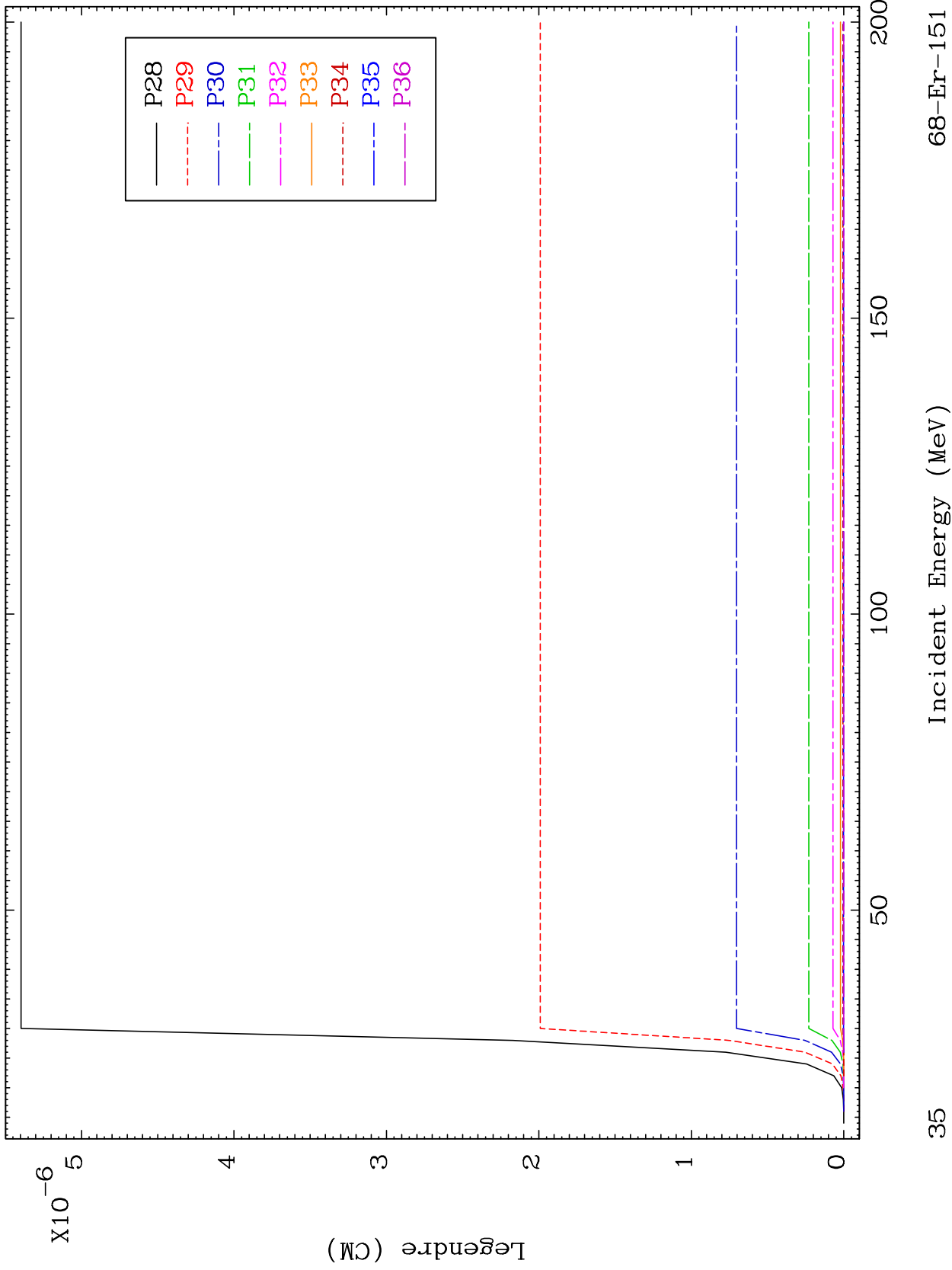


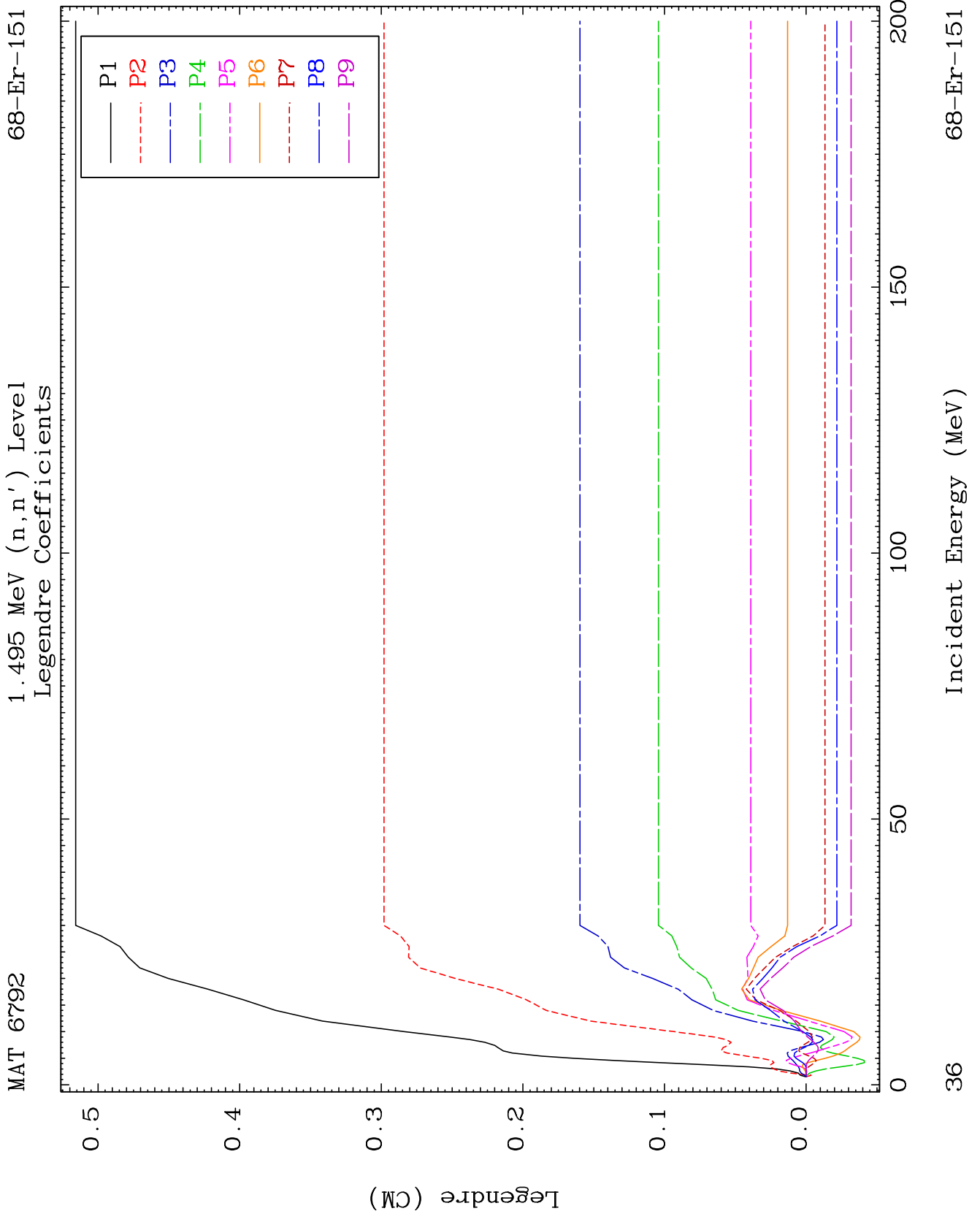


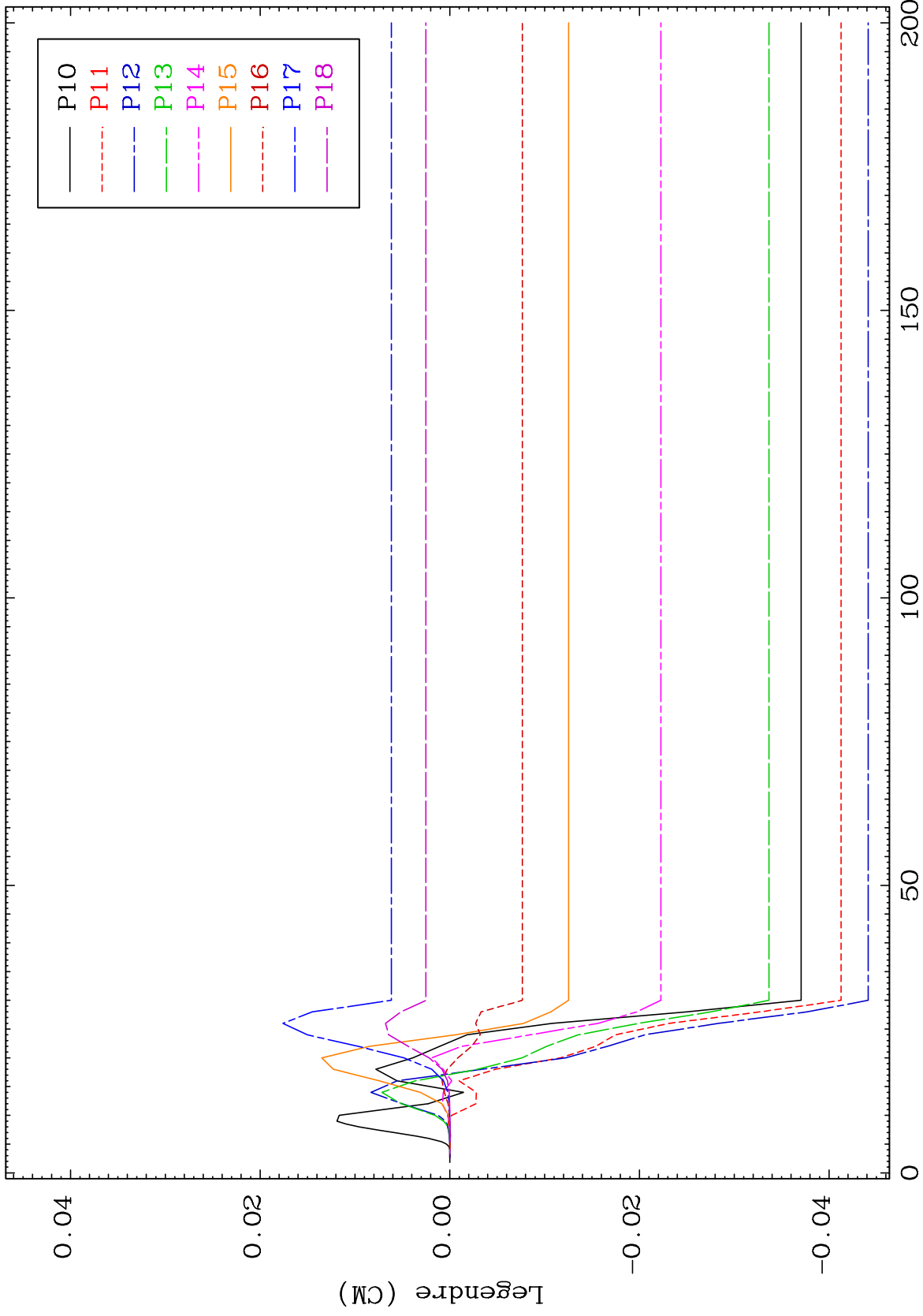
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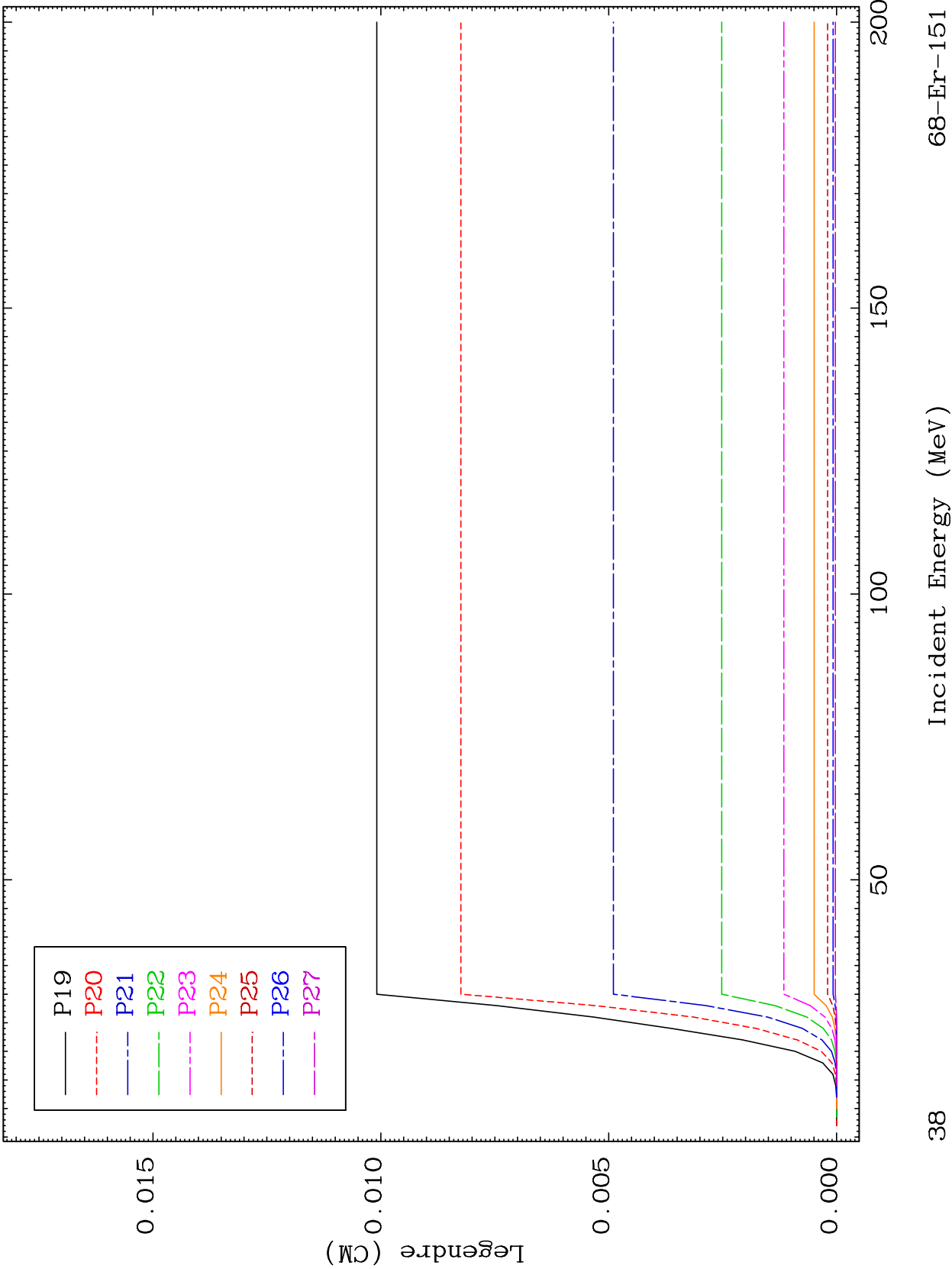
1.206 MeV (n,n') Level  
Legendre Coefficients

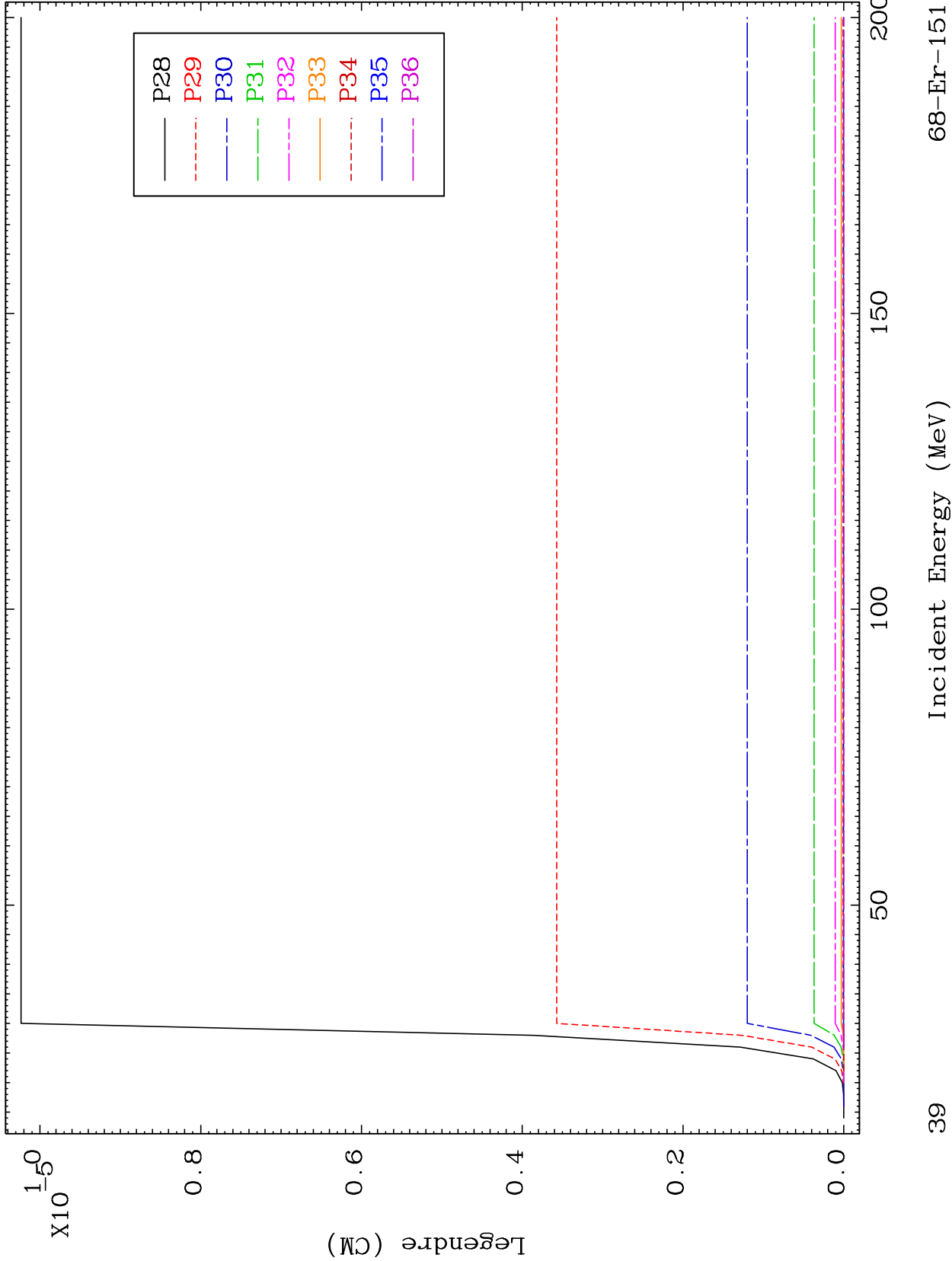
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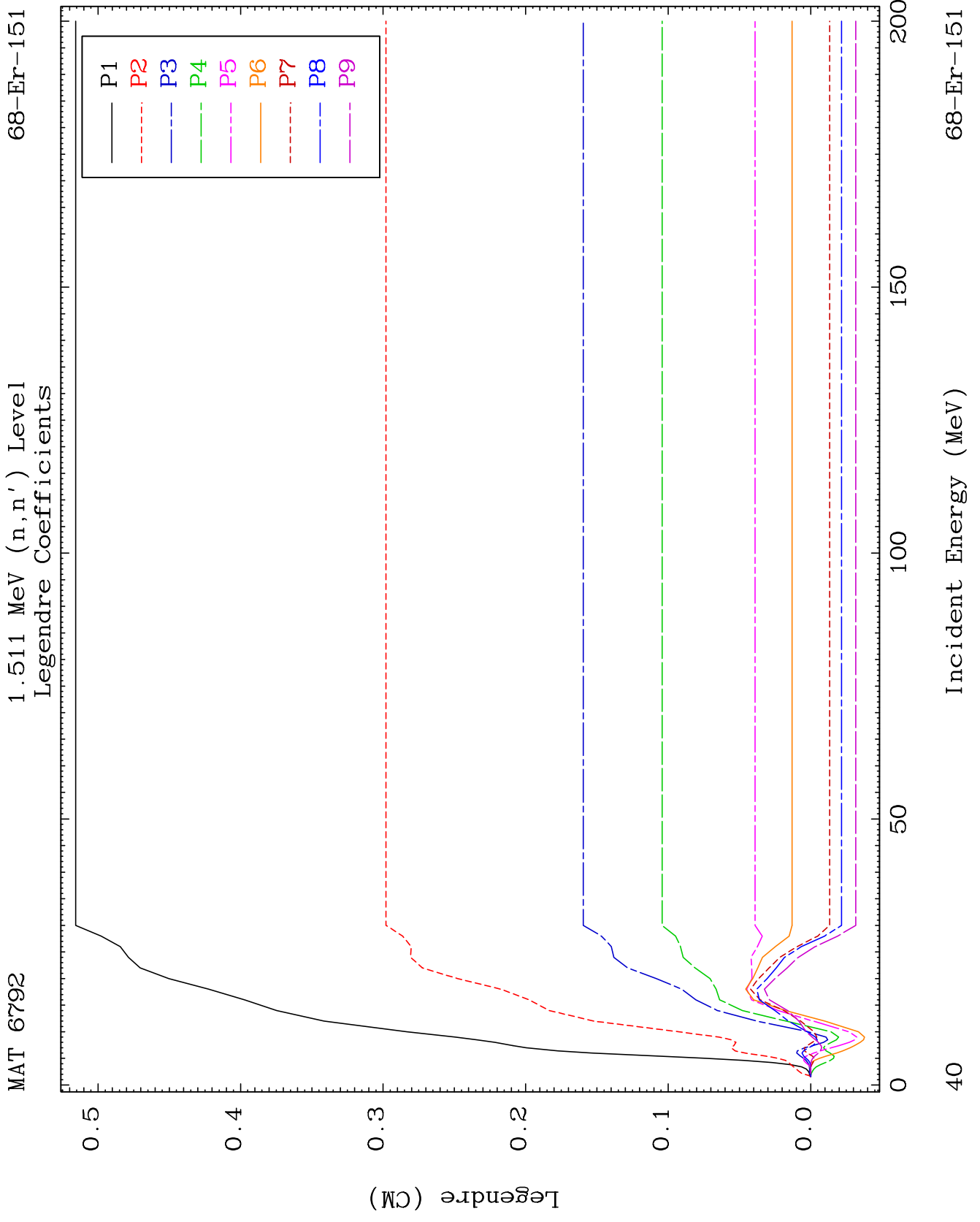


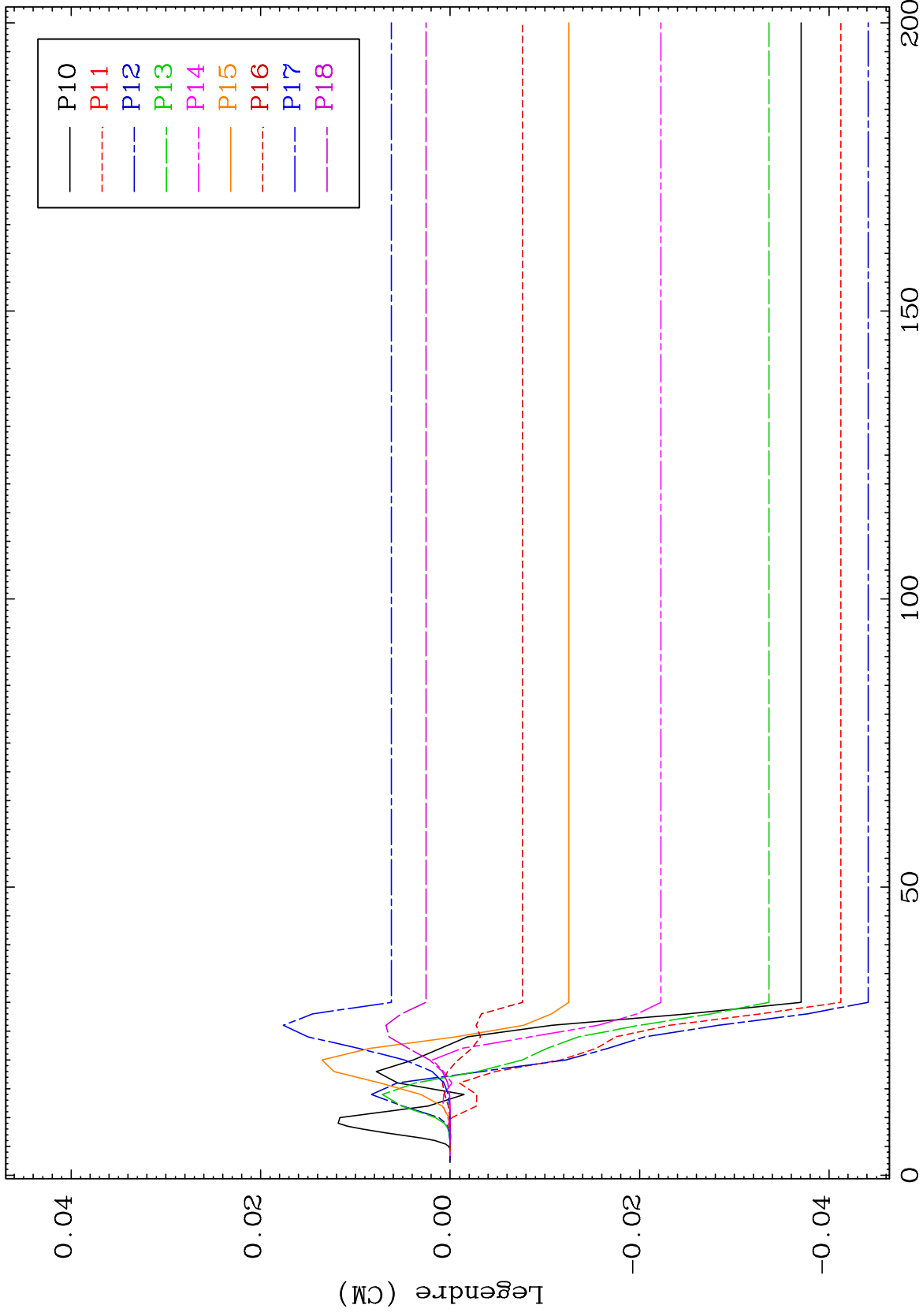








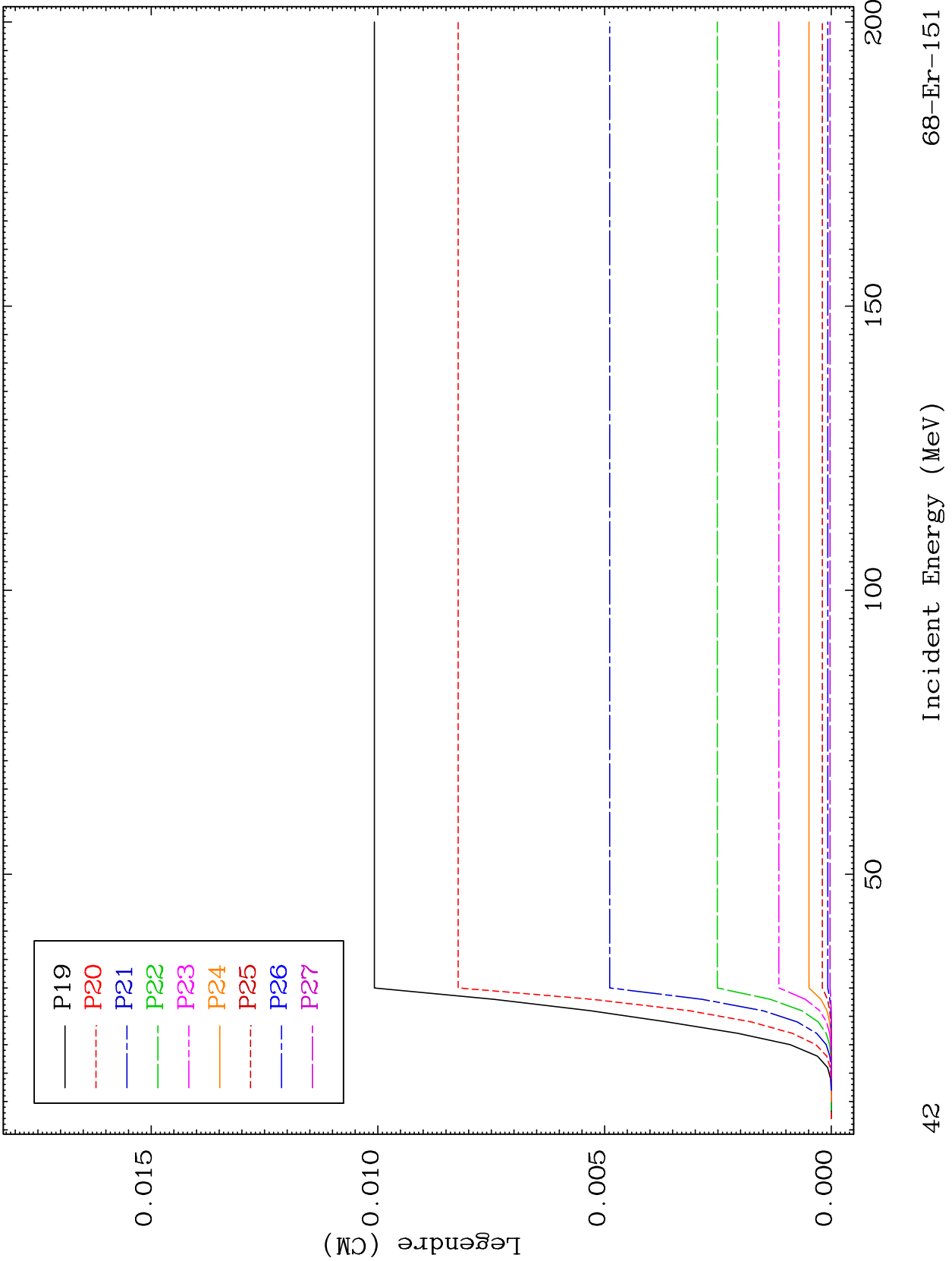




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1.511 MeV (n,n') Level  
Legendre Coefficients

68-Er-151



42

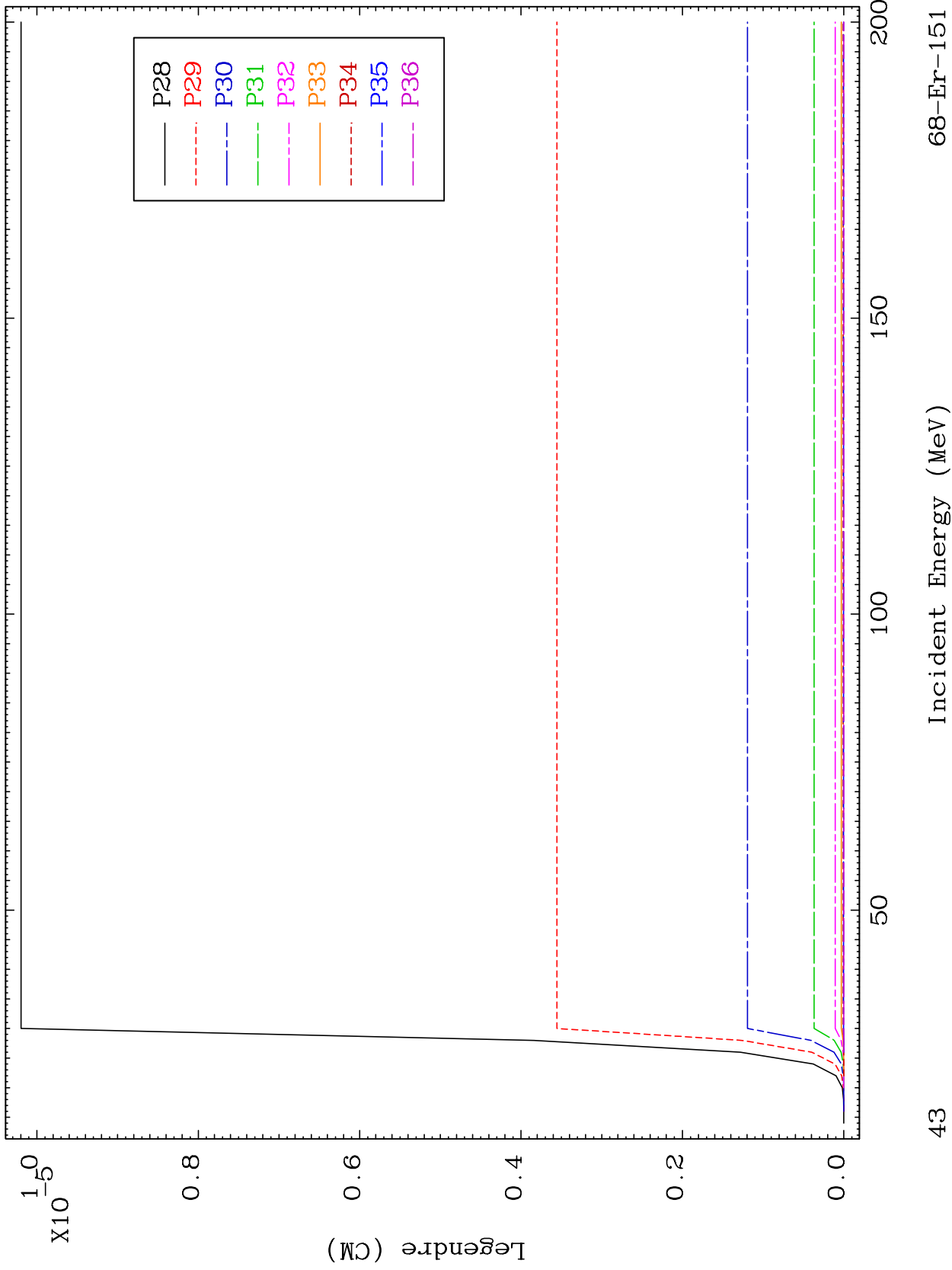
Incident Energy (MeV)

68-Er-151

MAT 6792

1.511 MeV (n, n') Level  
Legendre Coefficients

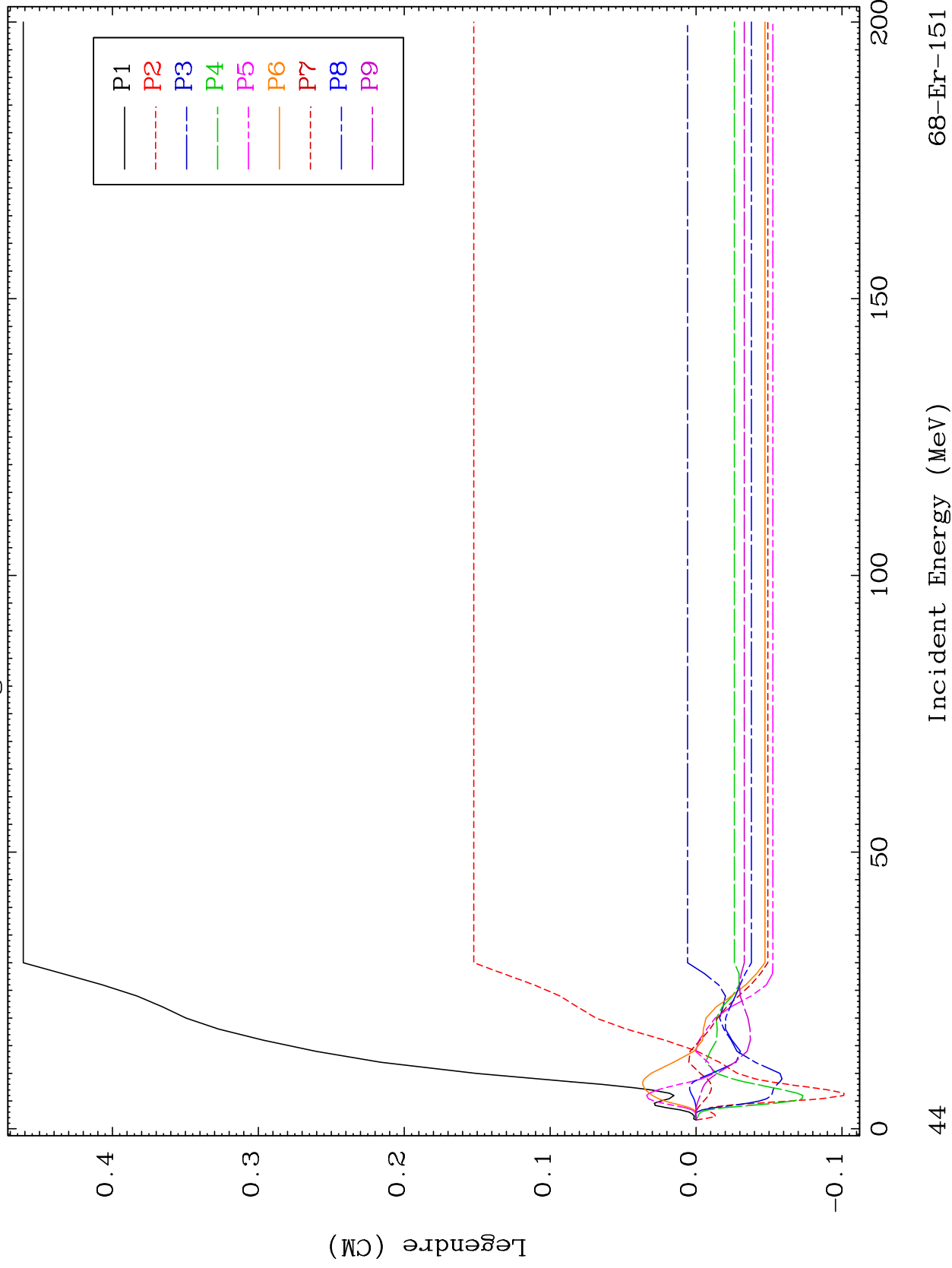
68-Er-151



MAT 6792

1.549 MeV (n,n') Level  
Legendre Coefficients

68-Er-151



68-Er-151

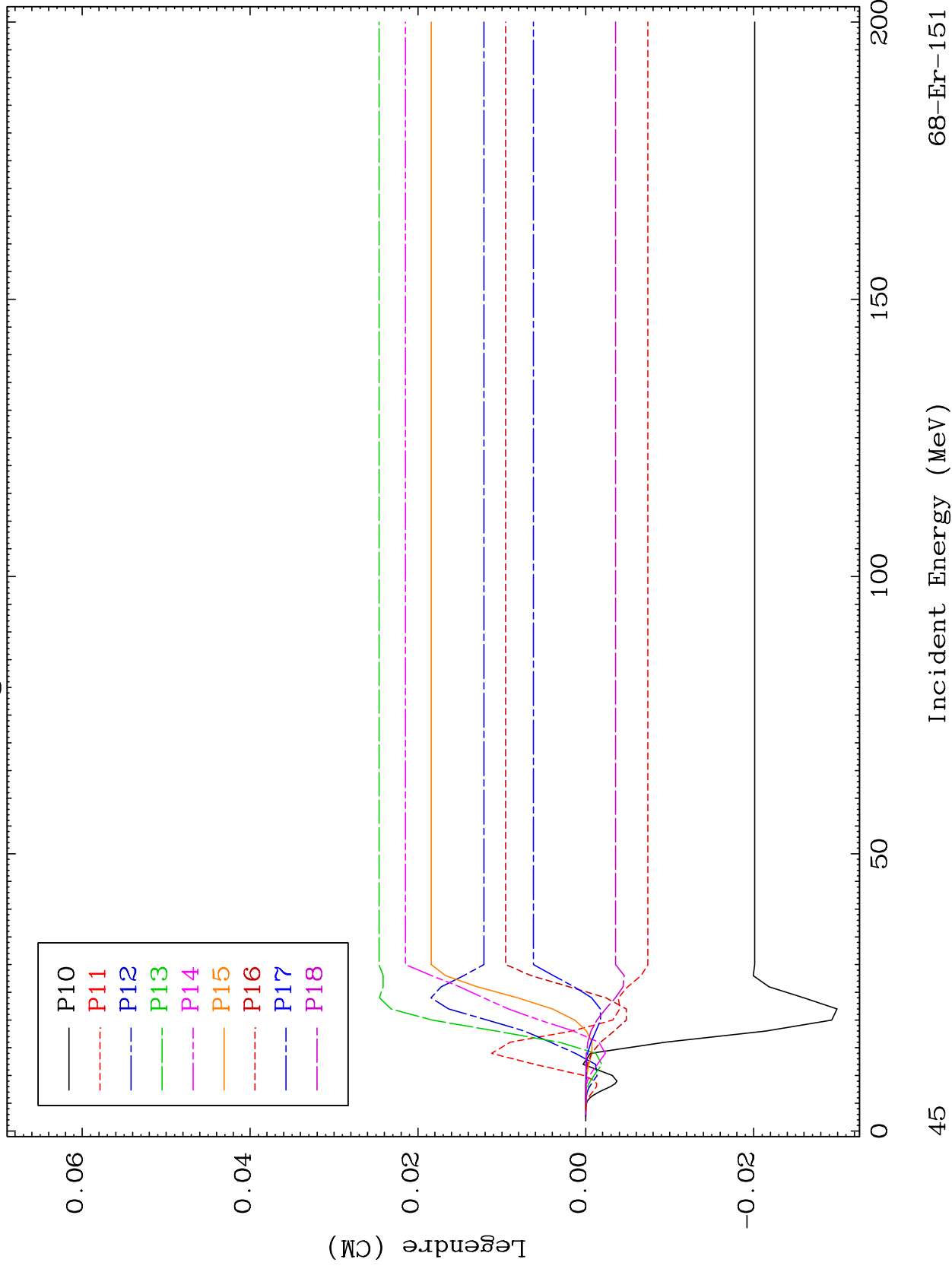
Incident Energy (MeV)

44

MAT 6792

1.549 MeV (n, n') Level  
Legendre Coefficients

68-Er-151



68-Er-151

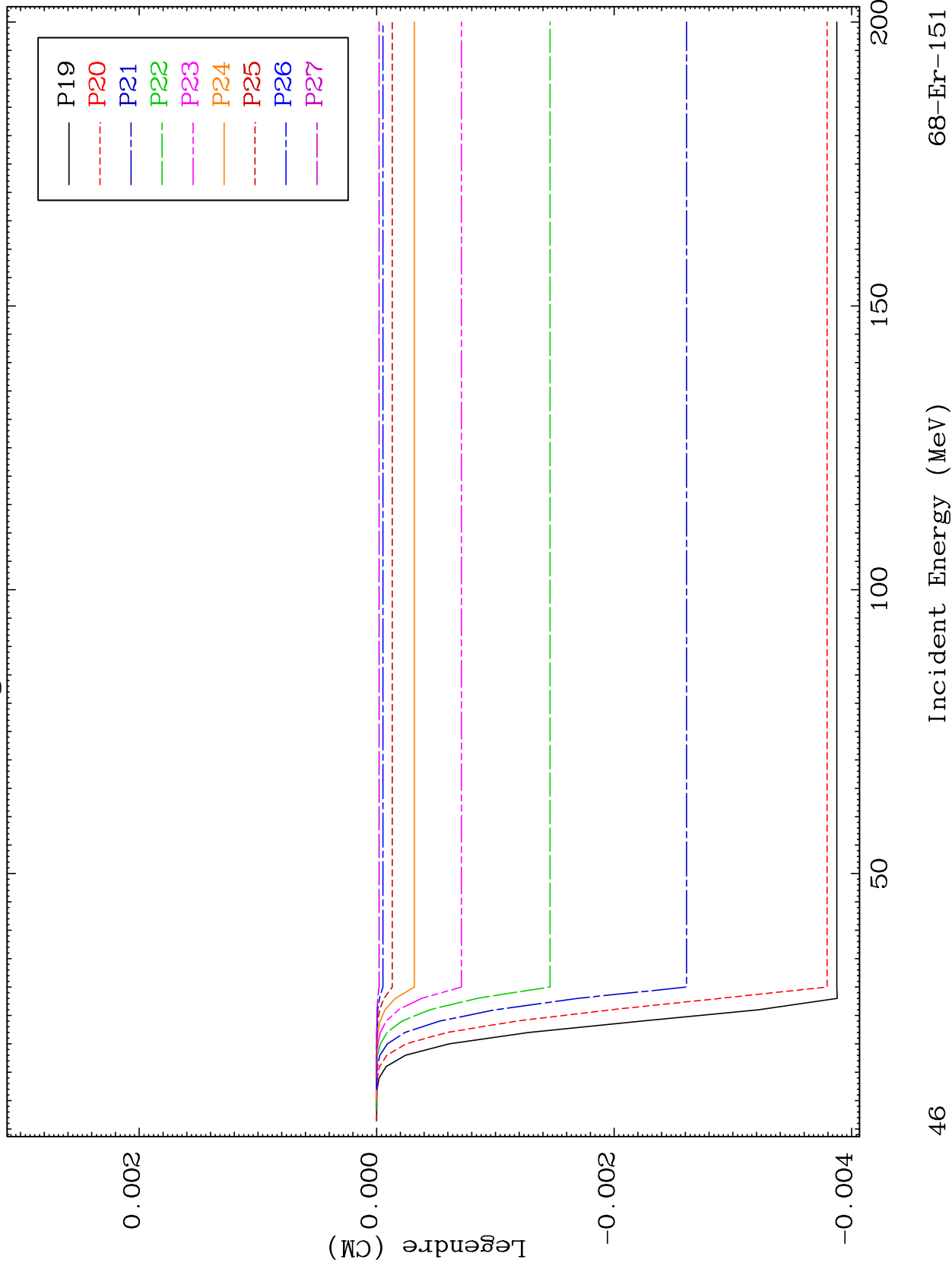
Incident Energy (MeV)

45

MAT 6792

1.549 MeV (n,n') Level  
Legendre Coefficients

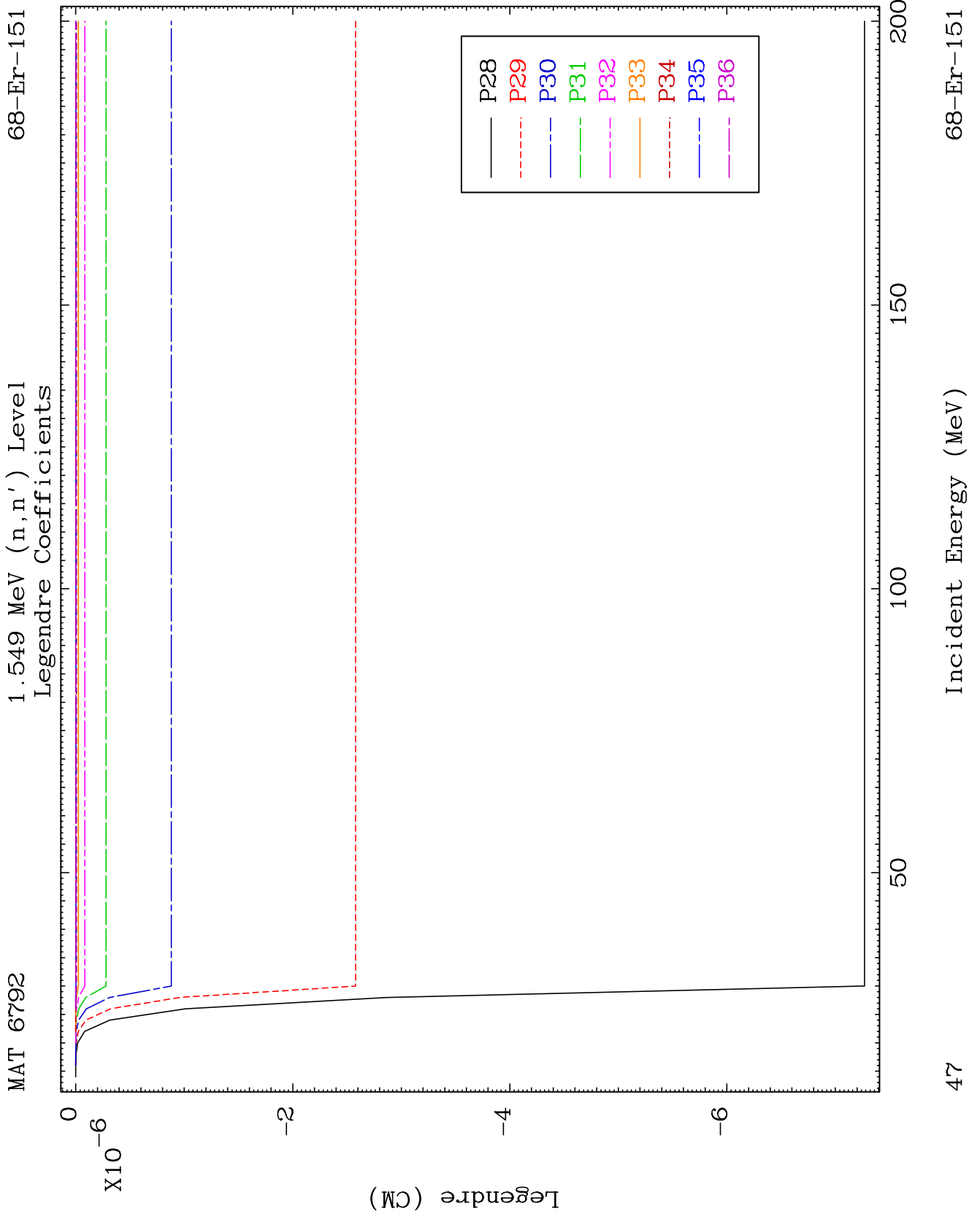
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46

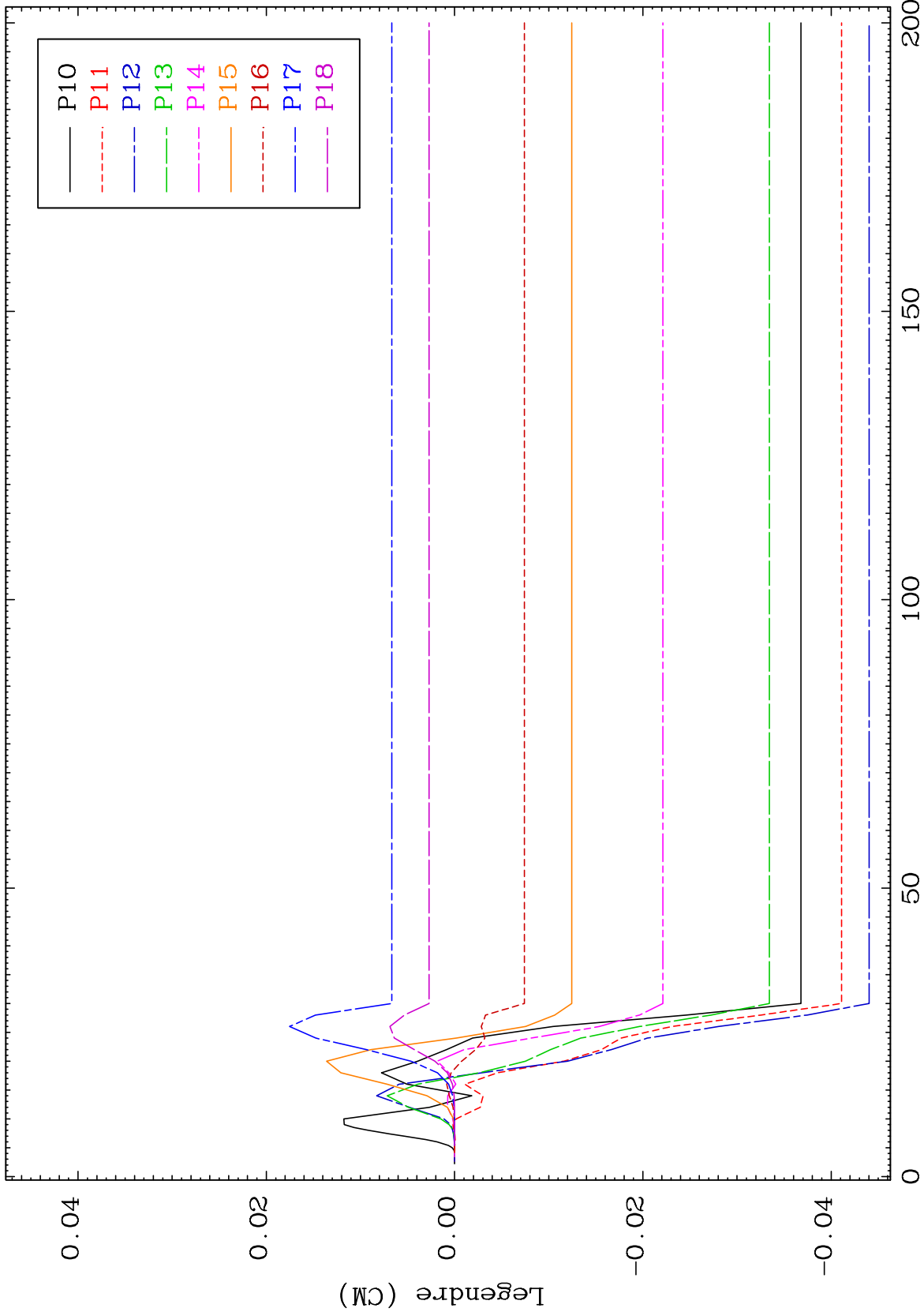
Incident Energy (MeV)

68-Er-151





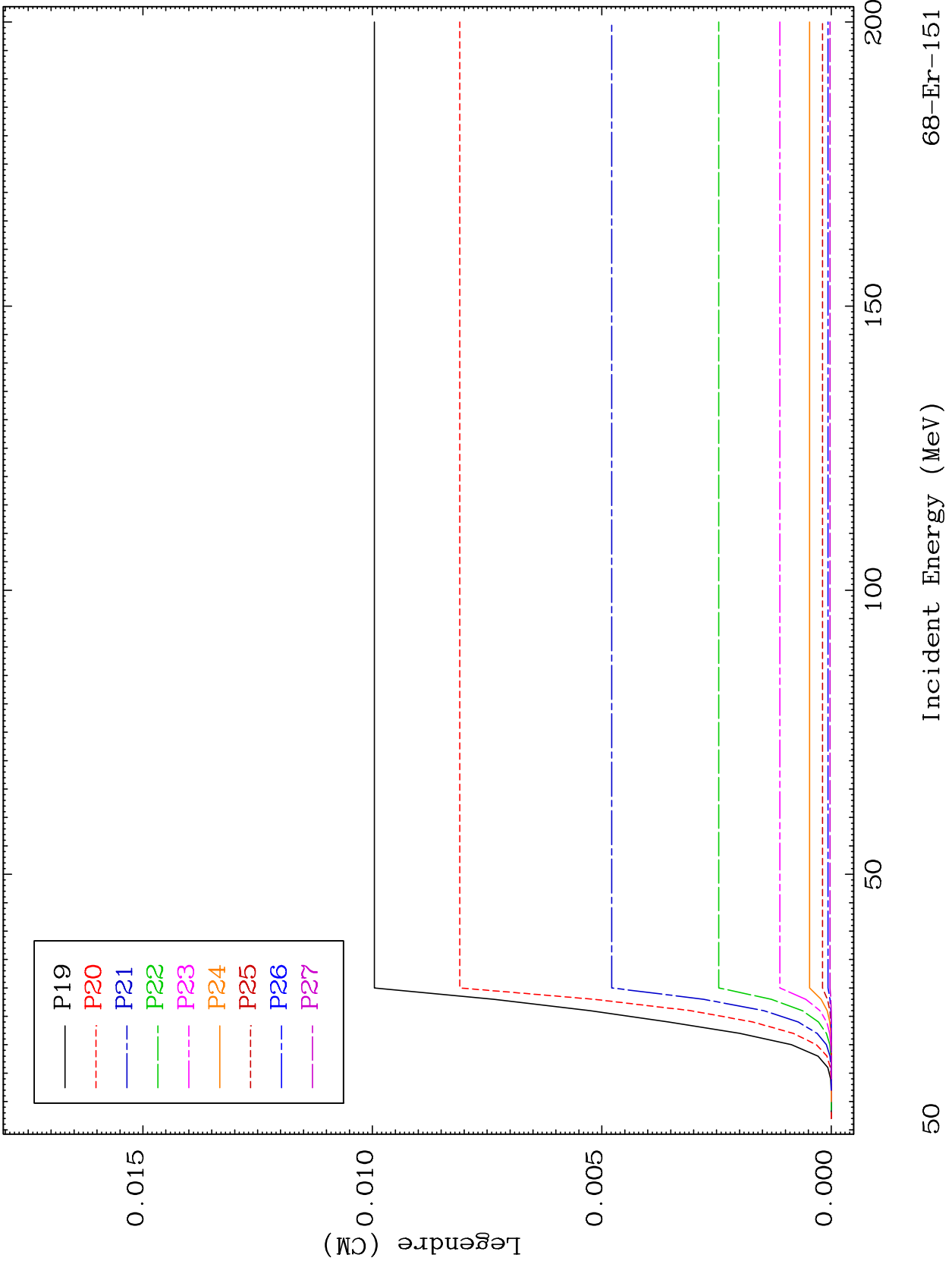




MAT 6792

1.684 MeV (n,n') Level  
Legendre Coefficients

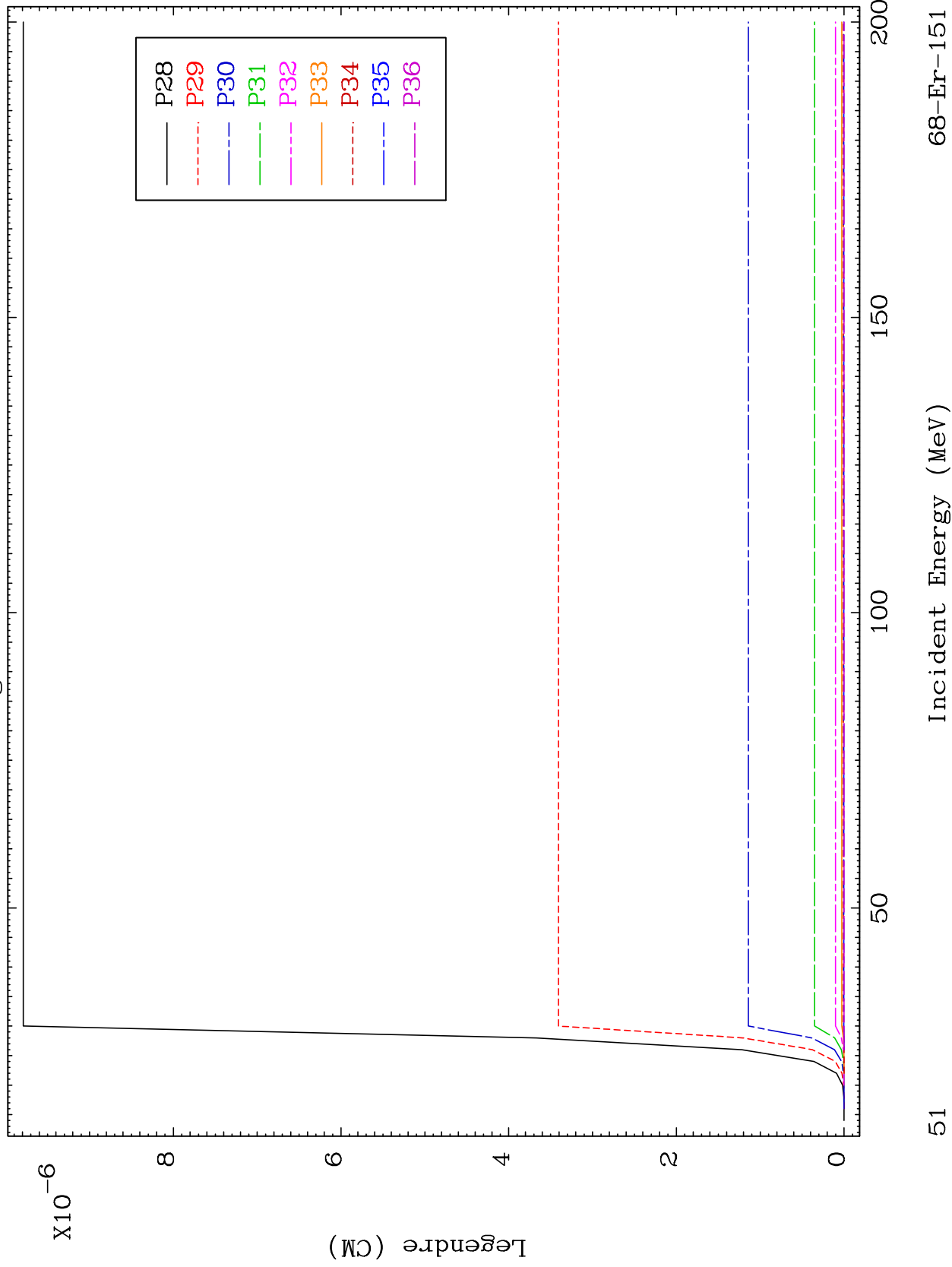
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MAT 6792

1.684 MeV (n,n') Level  
Legendre Coefficients

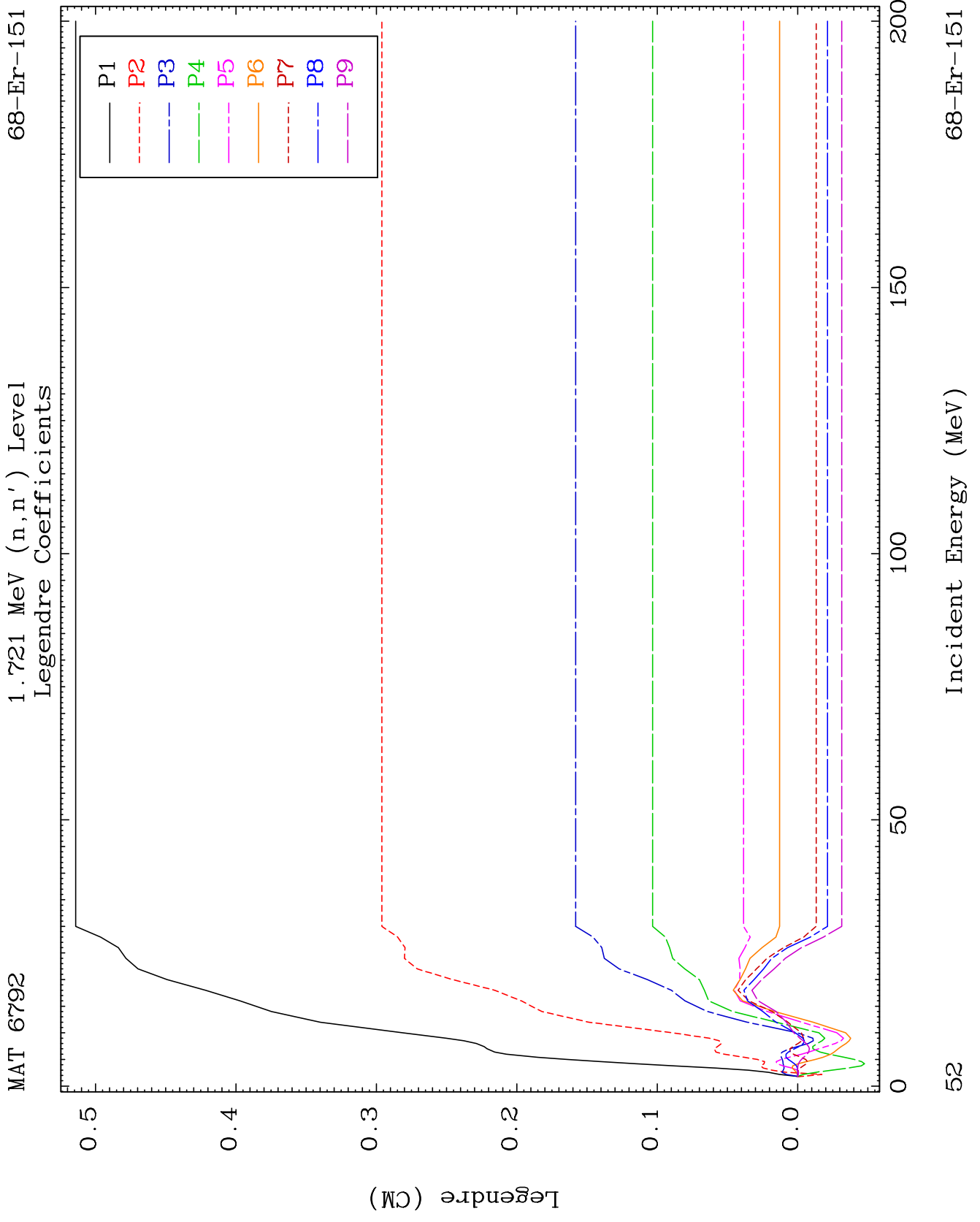
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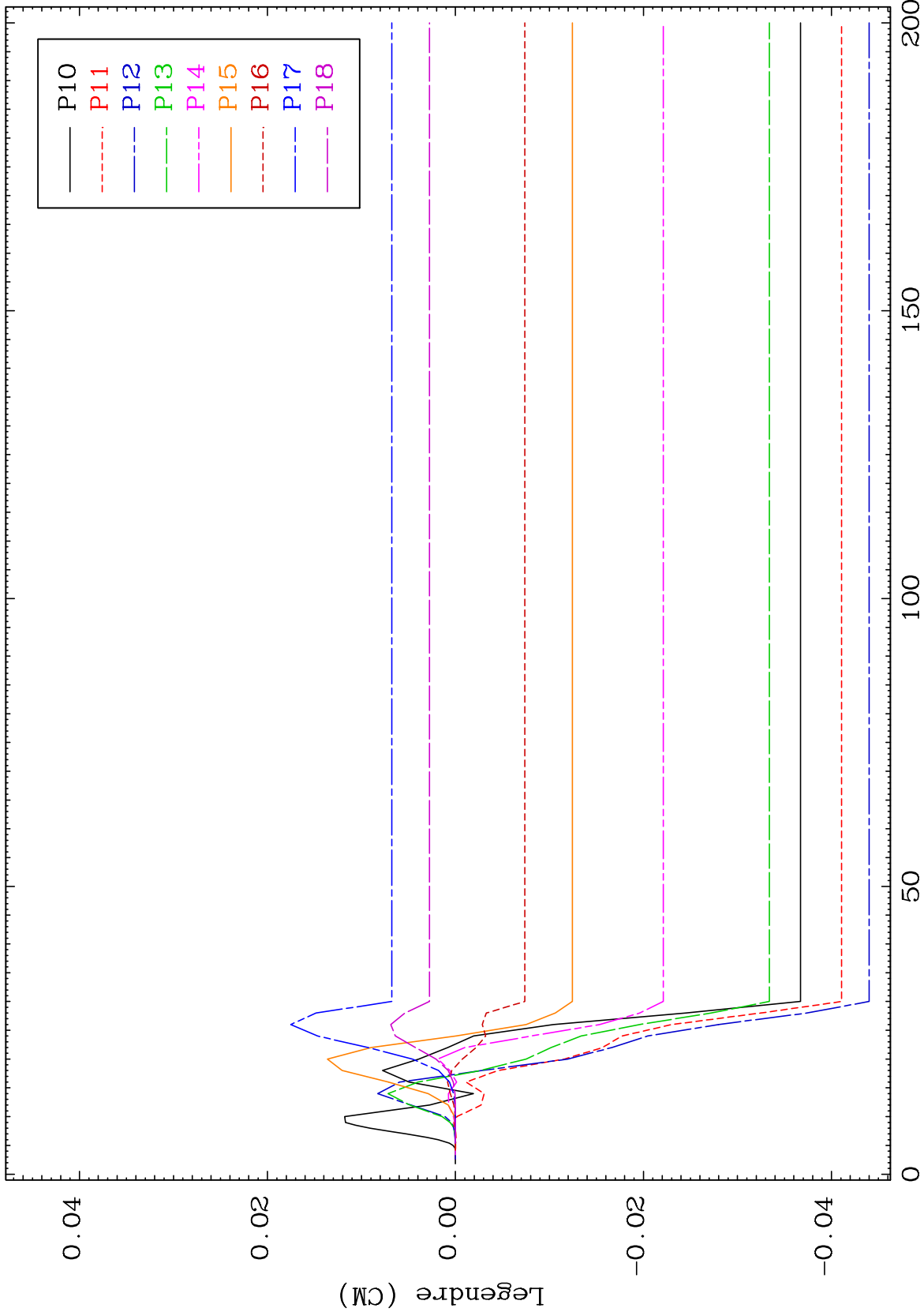


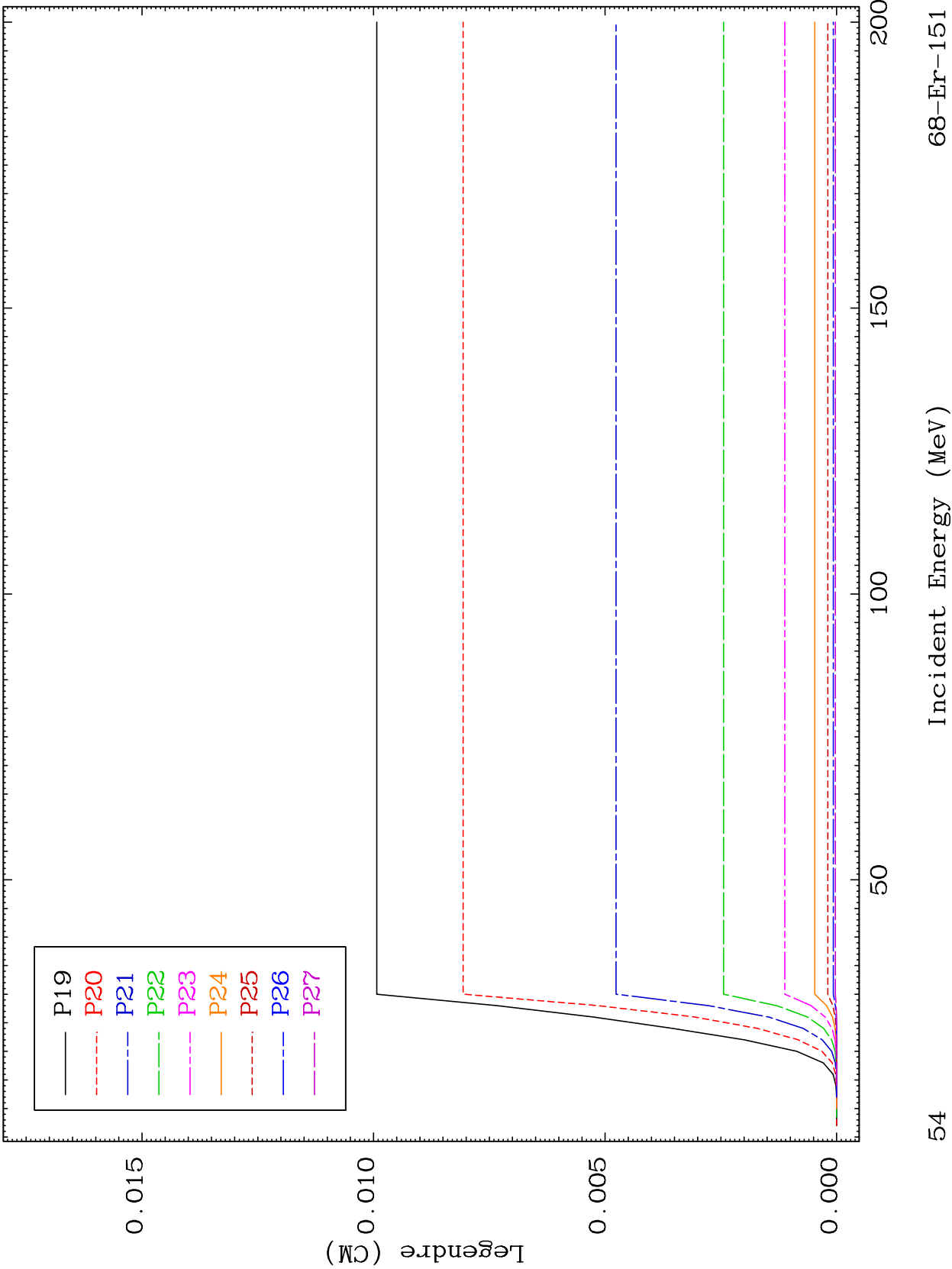
51

Incident Energy (MeV)

68-Er-151



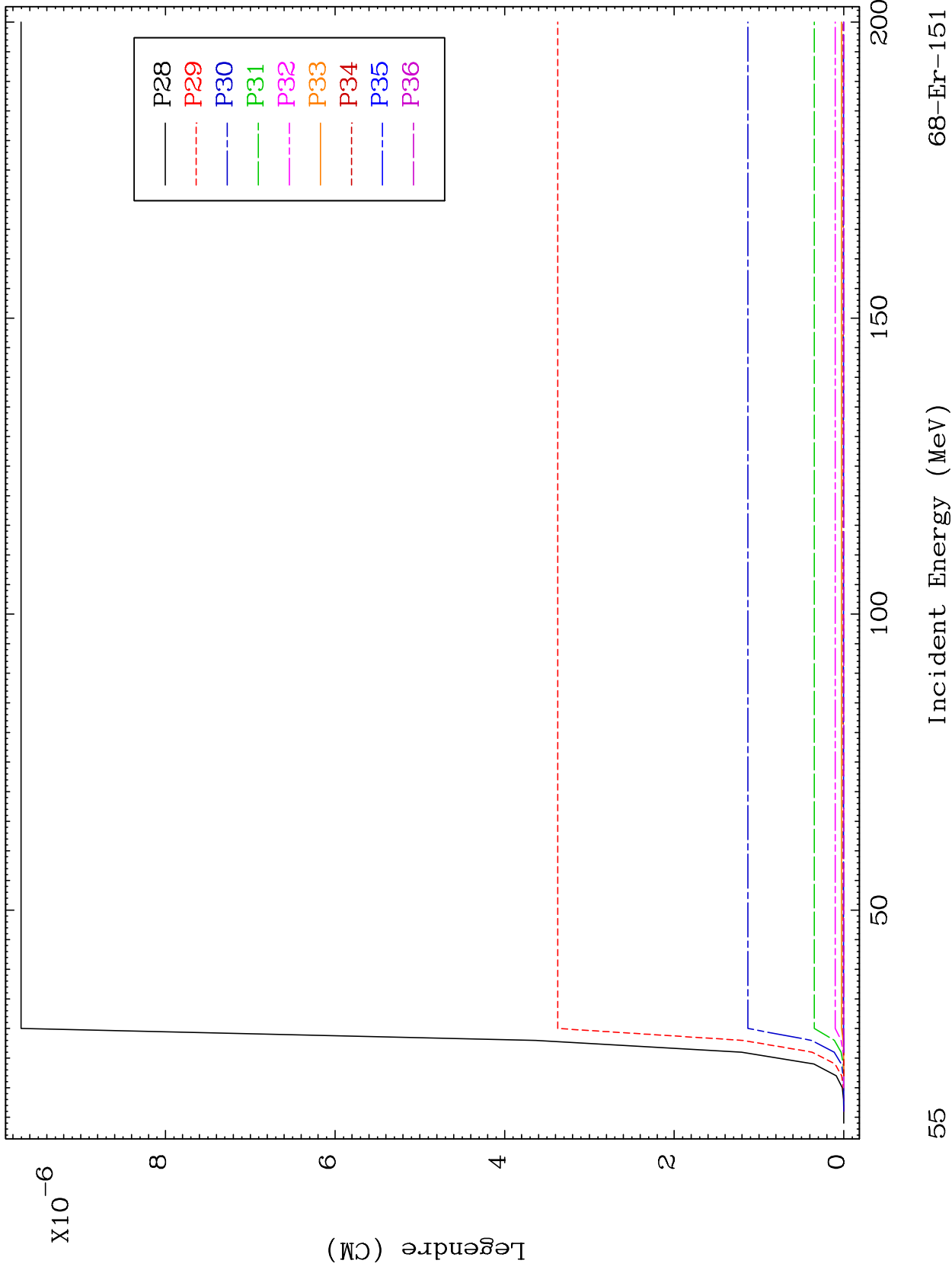




MAT 6792

1.721 MeV (n,n') Level  
Legendre Coefficients

68-Er-151

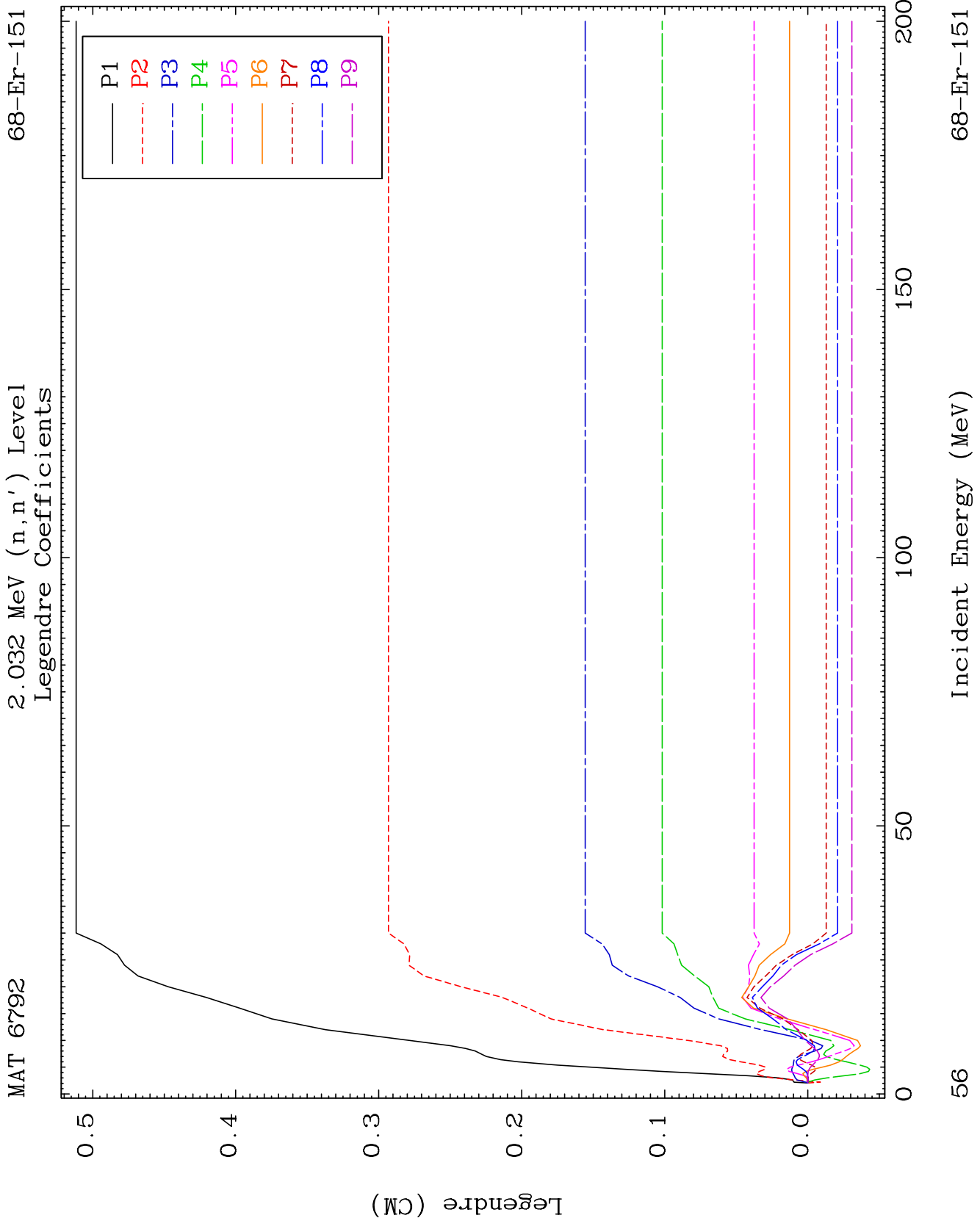


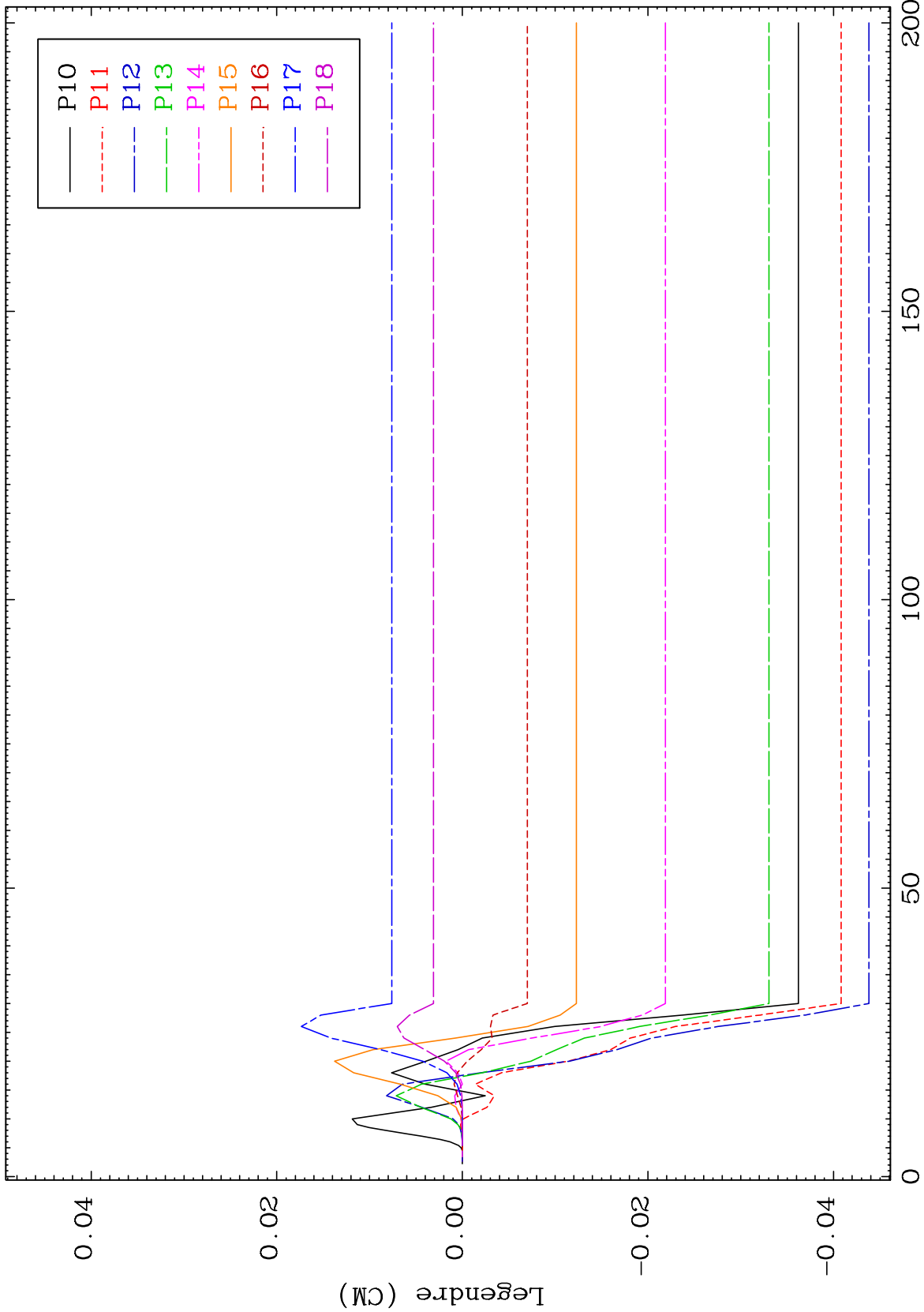
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Incident Energy (MeV)

68-Er-151



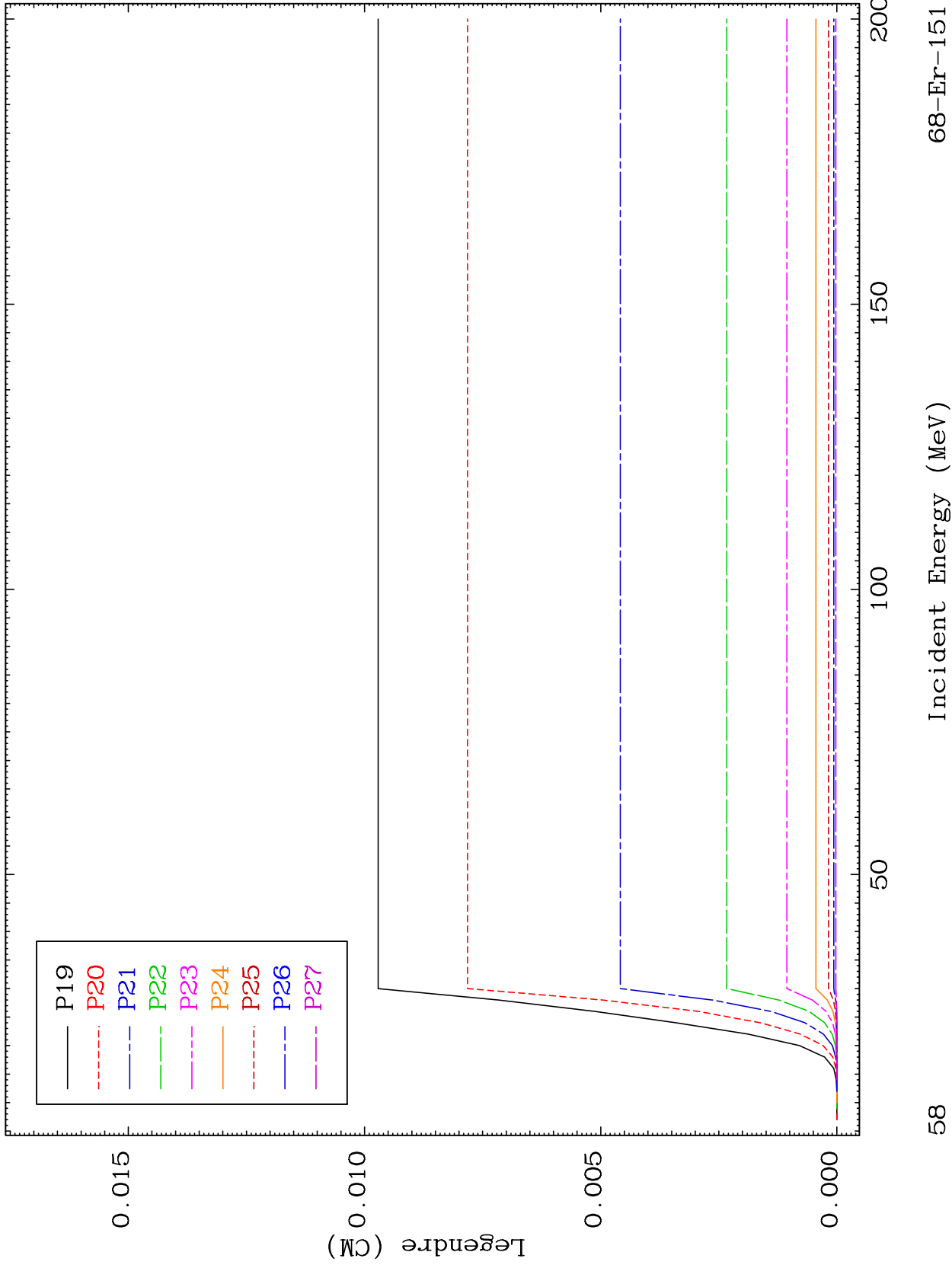




MAT 6792

2.032 MeV (n,n') Level  
Legendre Coefficients

68-Er-151



58

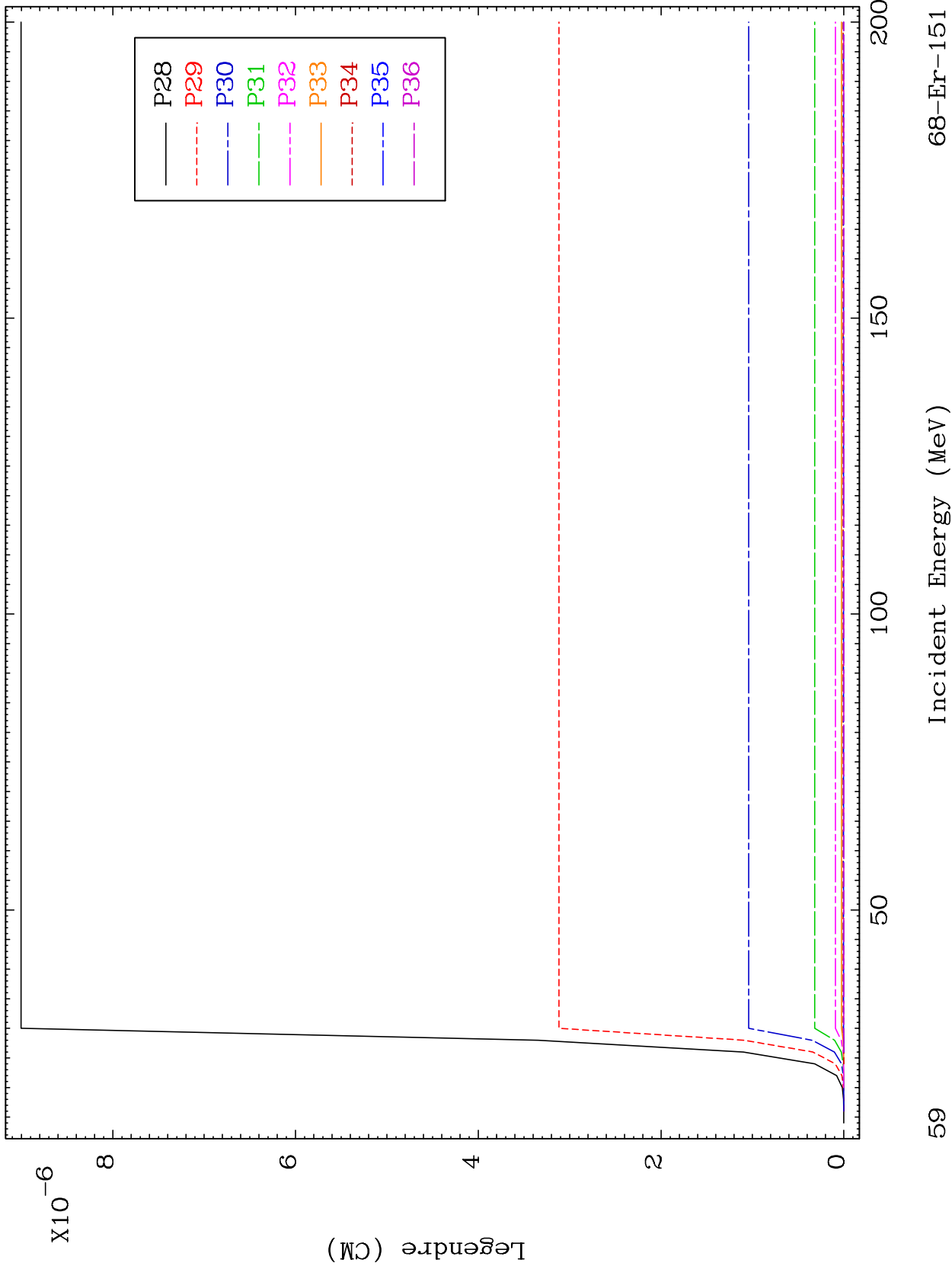
Incident Energy (MeV)

68-Er-151

MAT 6792

2.032 MeV (n,n') Level  
Legendre Coefficients

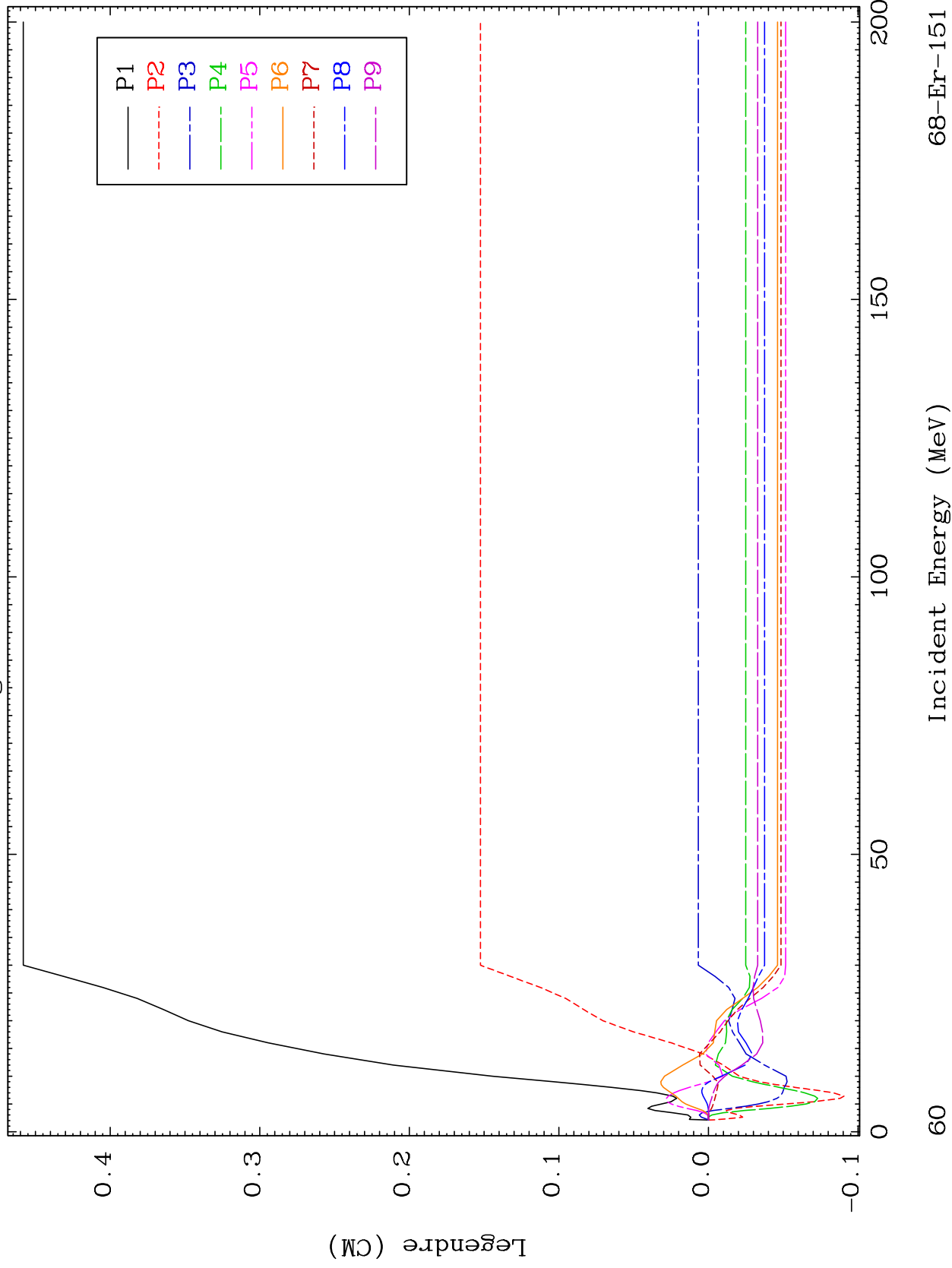
68-Er-151



MAT 6792

2.075 MeV (n,n') Level  
Legendre Coefficients

68-Er-151

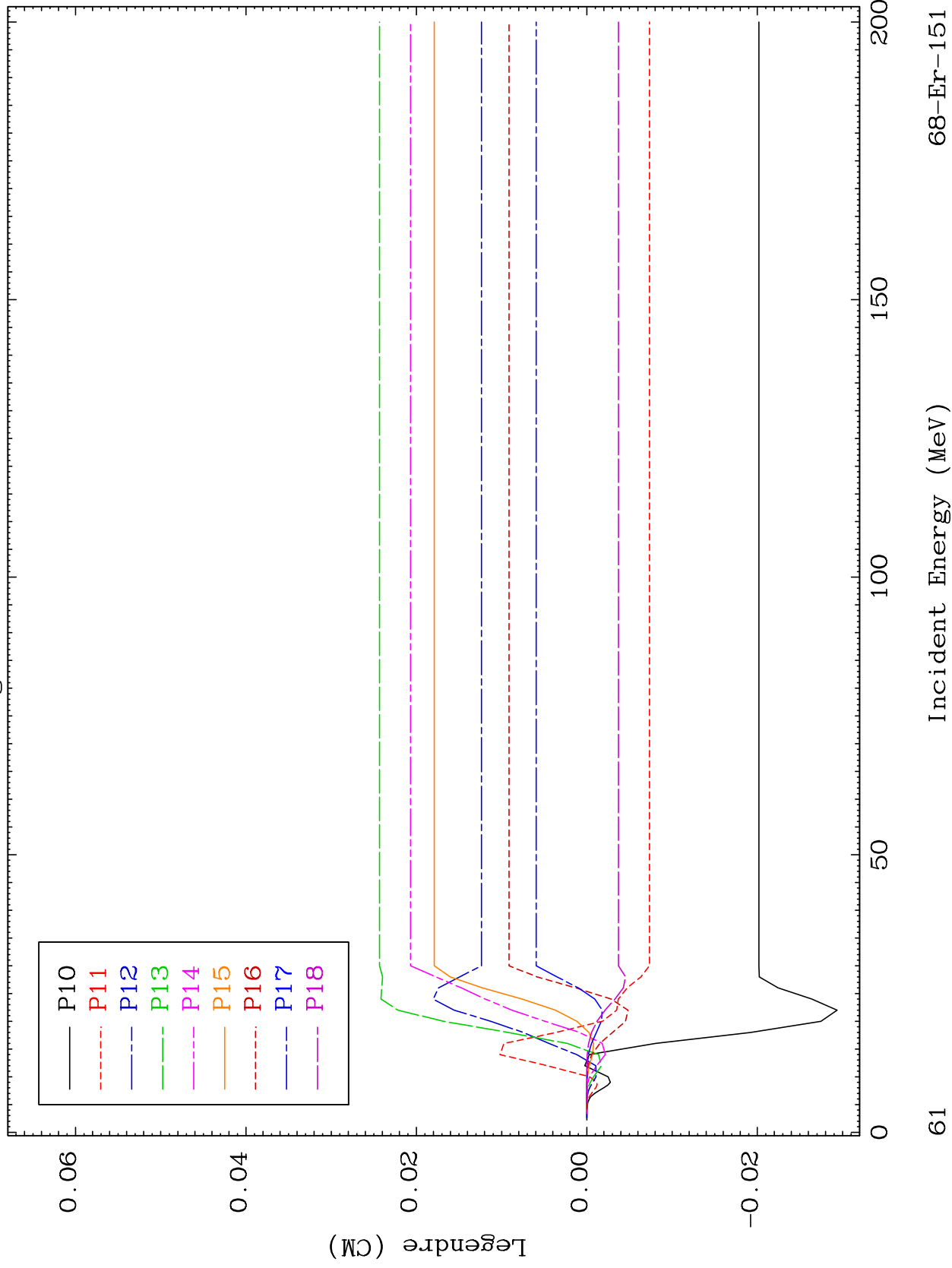


68-Er-151

MAT 6792

2.075 MeV (n,n') Level  
Legendre Coefficients

68-Er-151



61

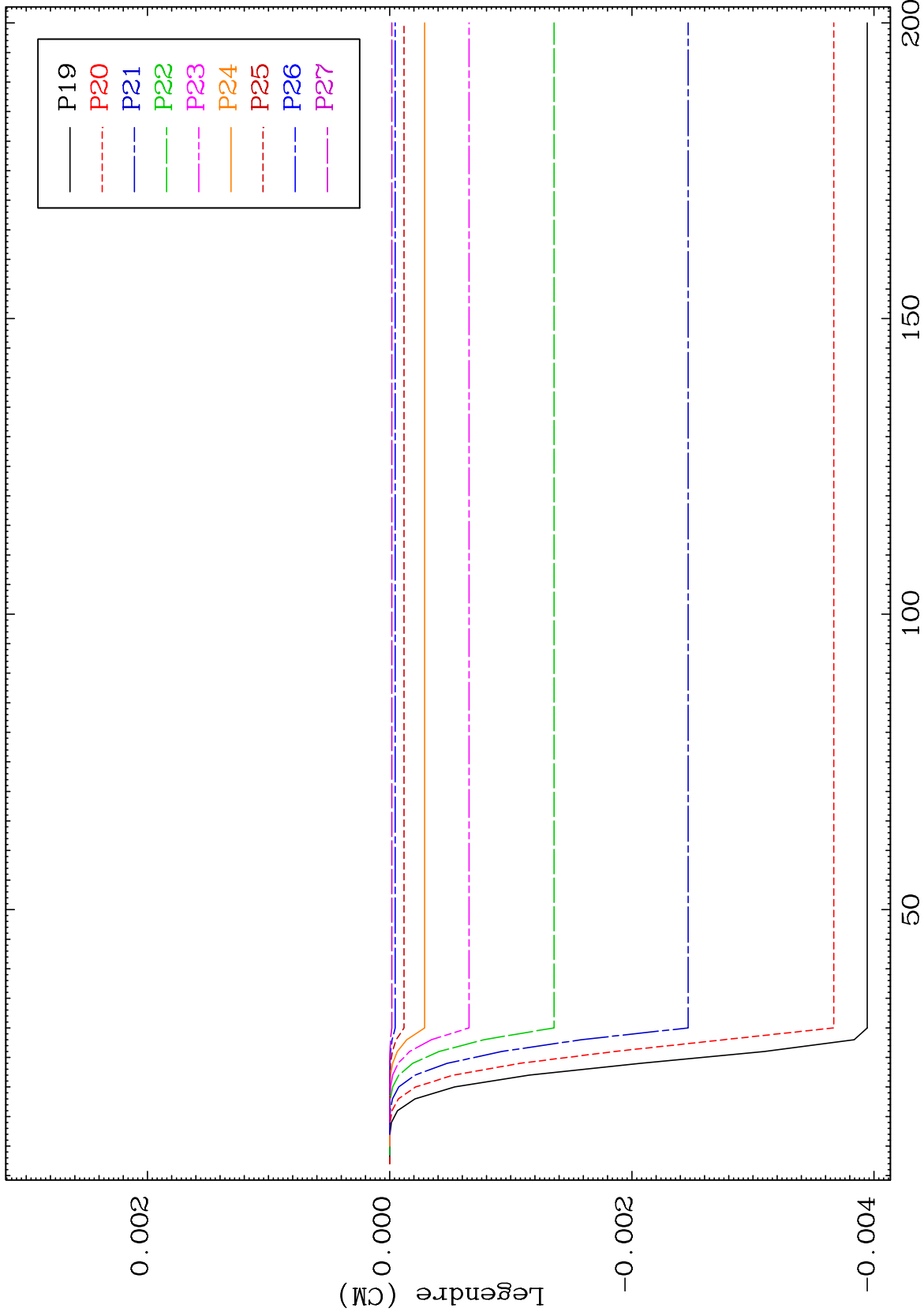
Incident Energy (MeV)

68-Er-151

MAT 6792

2.075 MeV (n,n') Level  
Legendre Coefficients

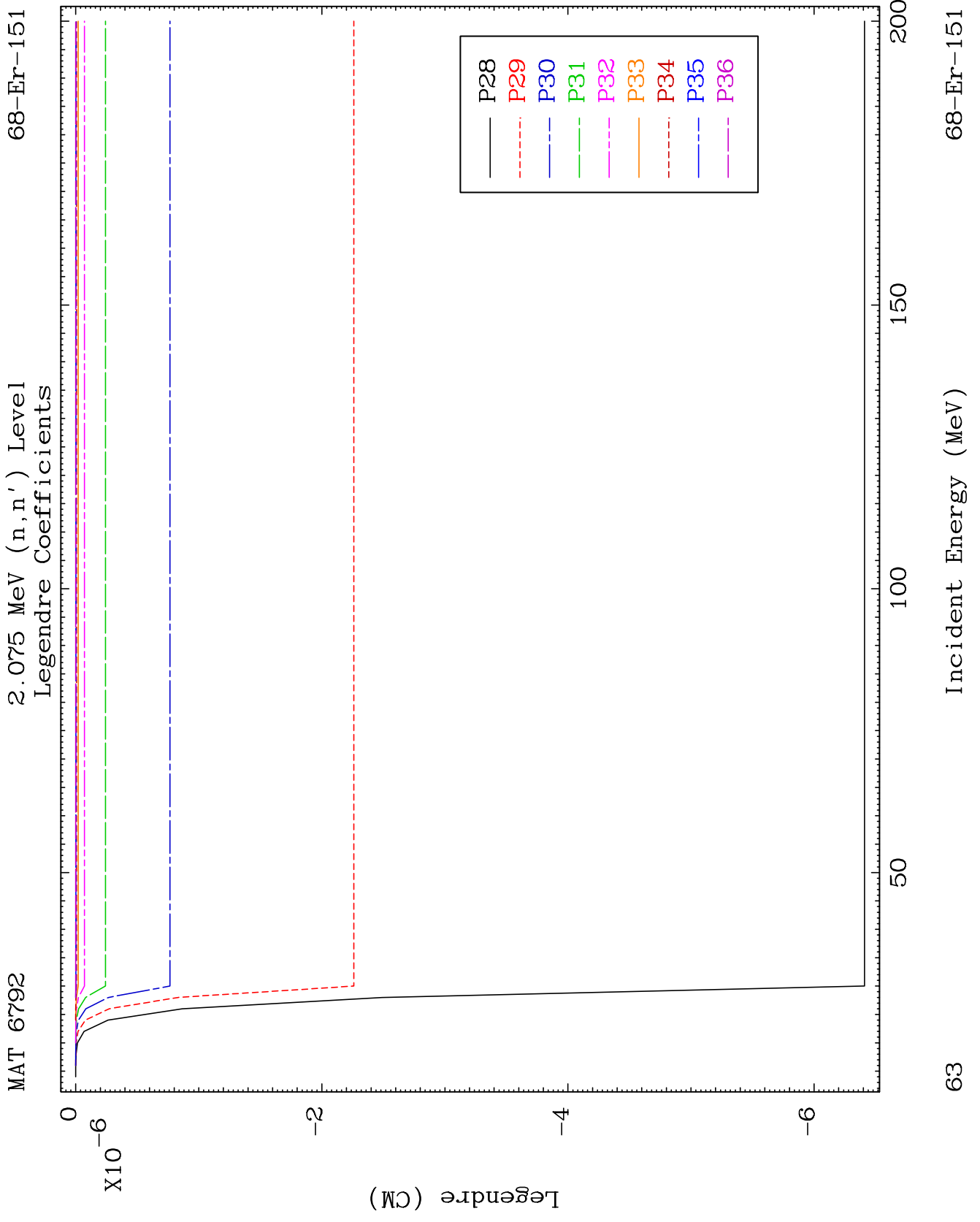
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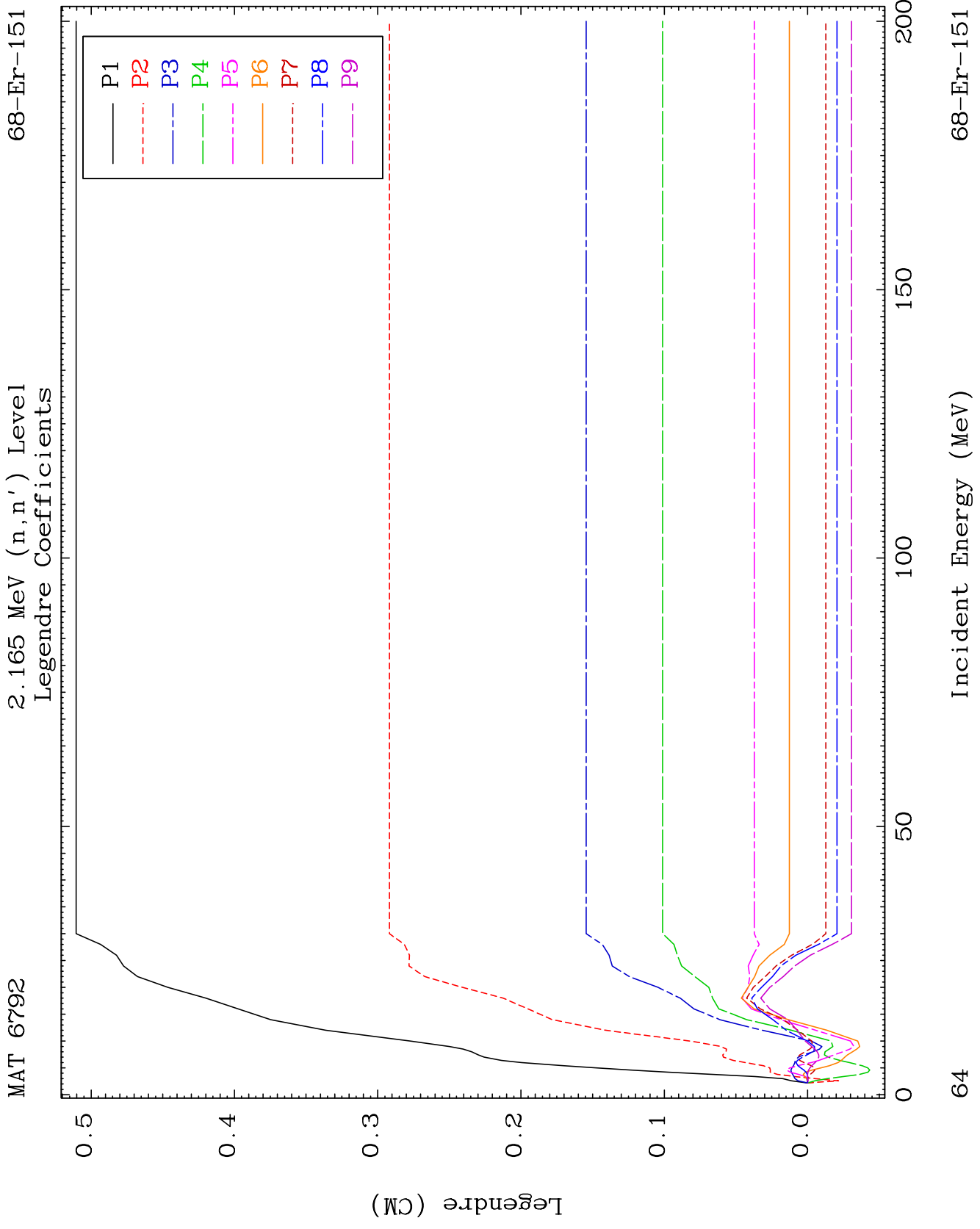
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Incident Energy (MeV)

68-Er-151



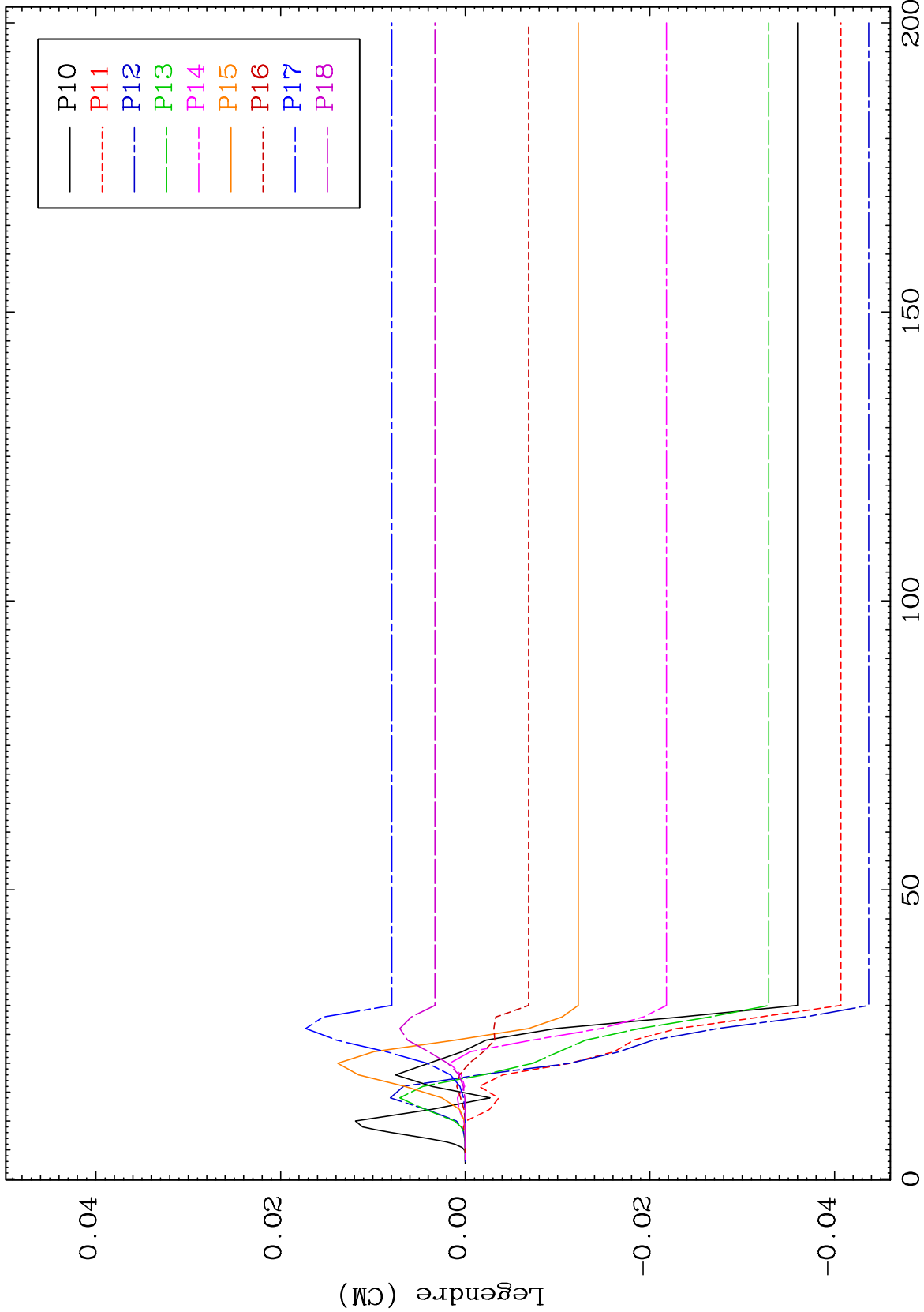




MAT 6792

2.165 MeV (n,n') Level  
Legendre Coefficients

68-Er-151



65

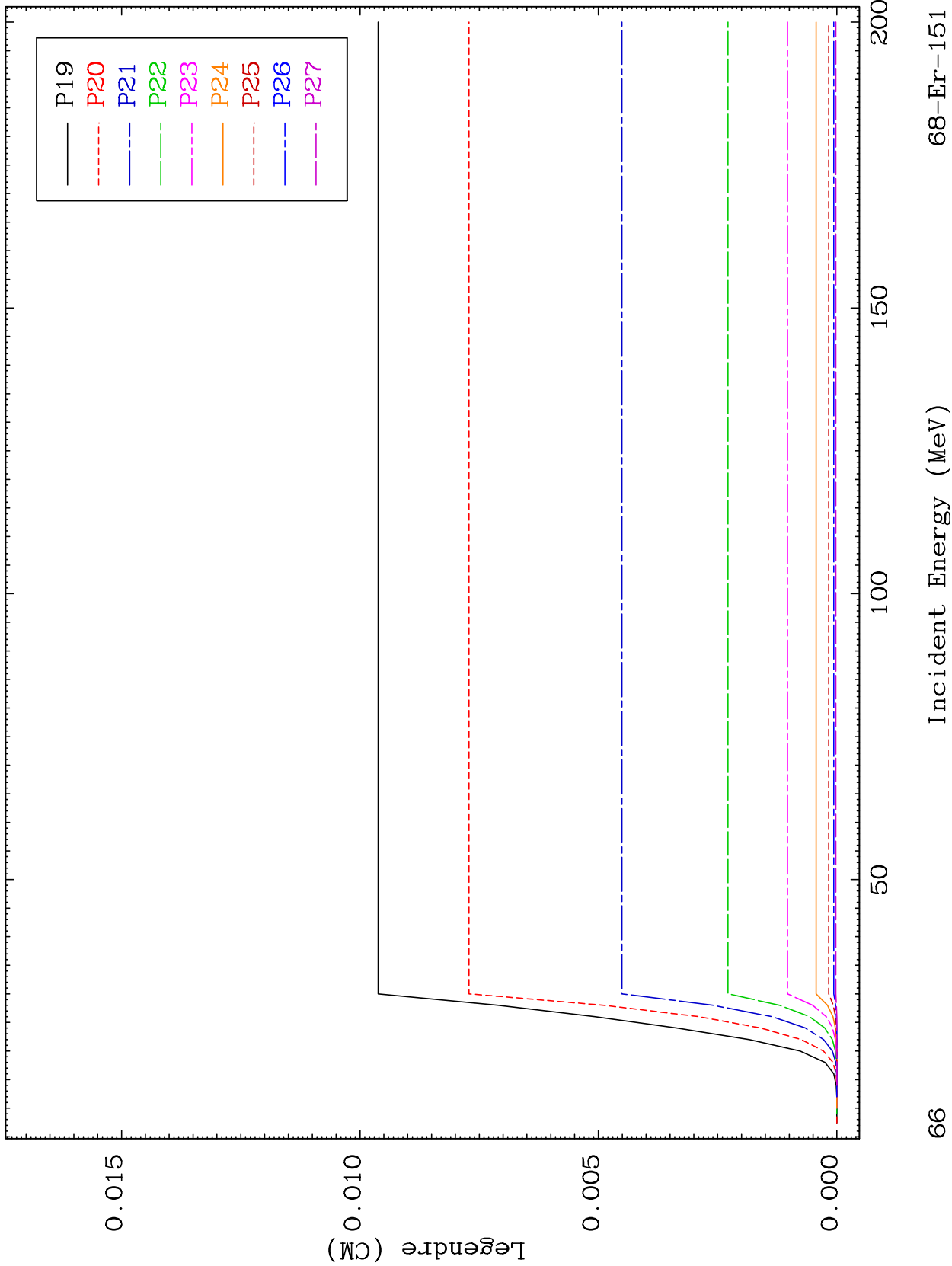
Incident Energy (MeV)

68-Er-151

MAT 6792

2.165 MeV (n,n') Level  
Legendre Coefficients

68-Er-151



66

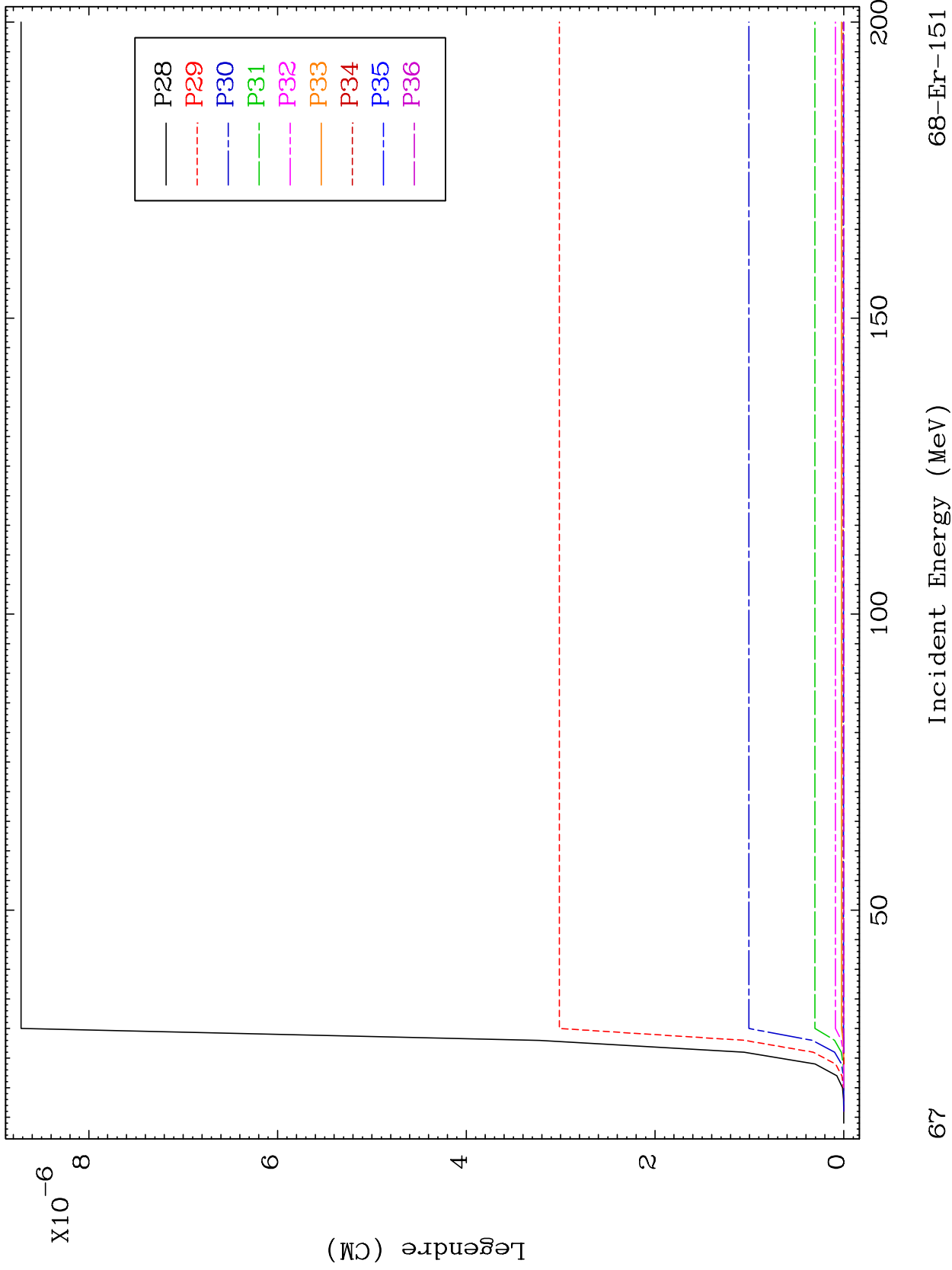
Incident Energy (MeV)

68-Er-151

MAT 6792

2.165 MeV (n, n') Level  
Legendre Coefficients

68-Er-151



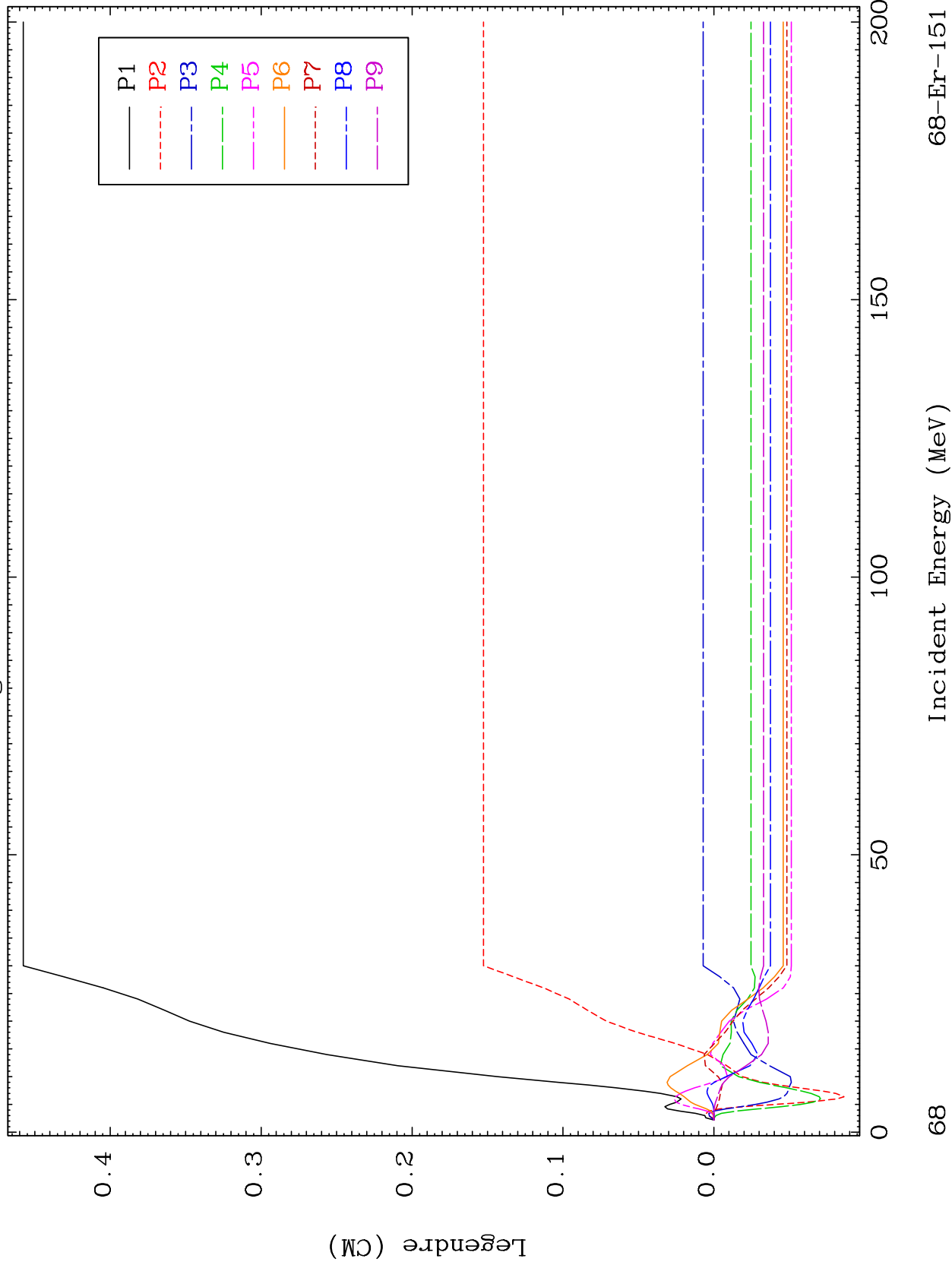
67

68-Er-151

MAT 6792

2.174 MeV (n,n') Level  
Legendre Coefficients

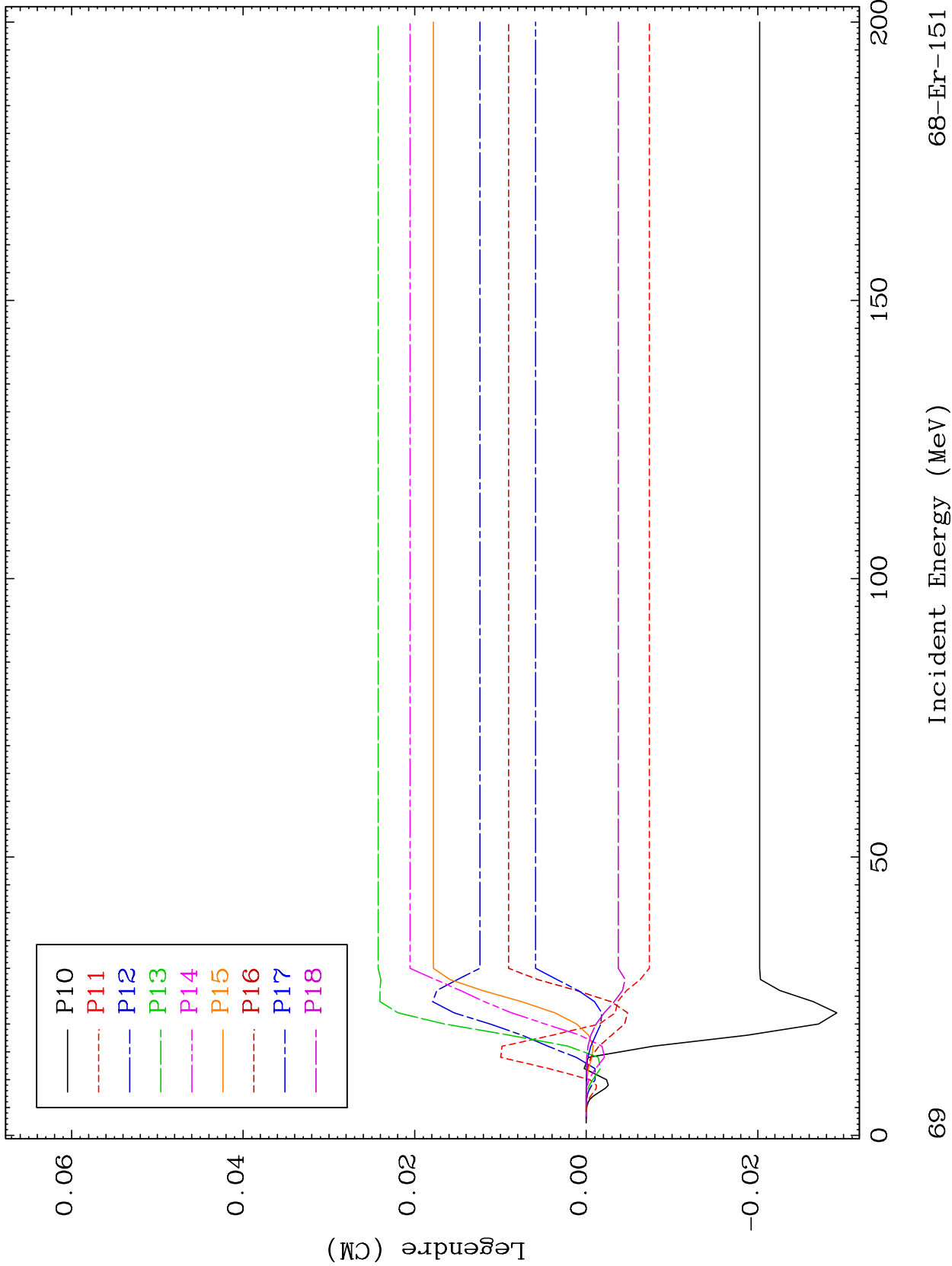
68-Er-151



68-Er-151

Incident Energy (MeV)

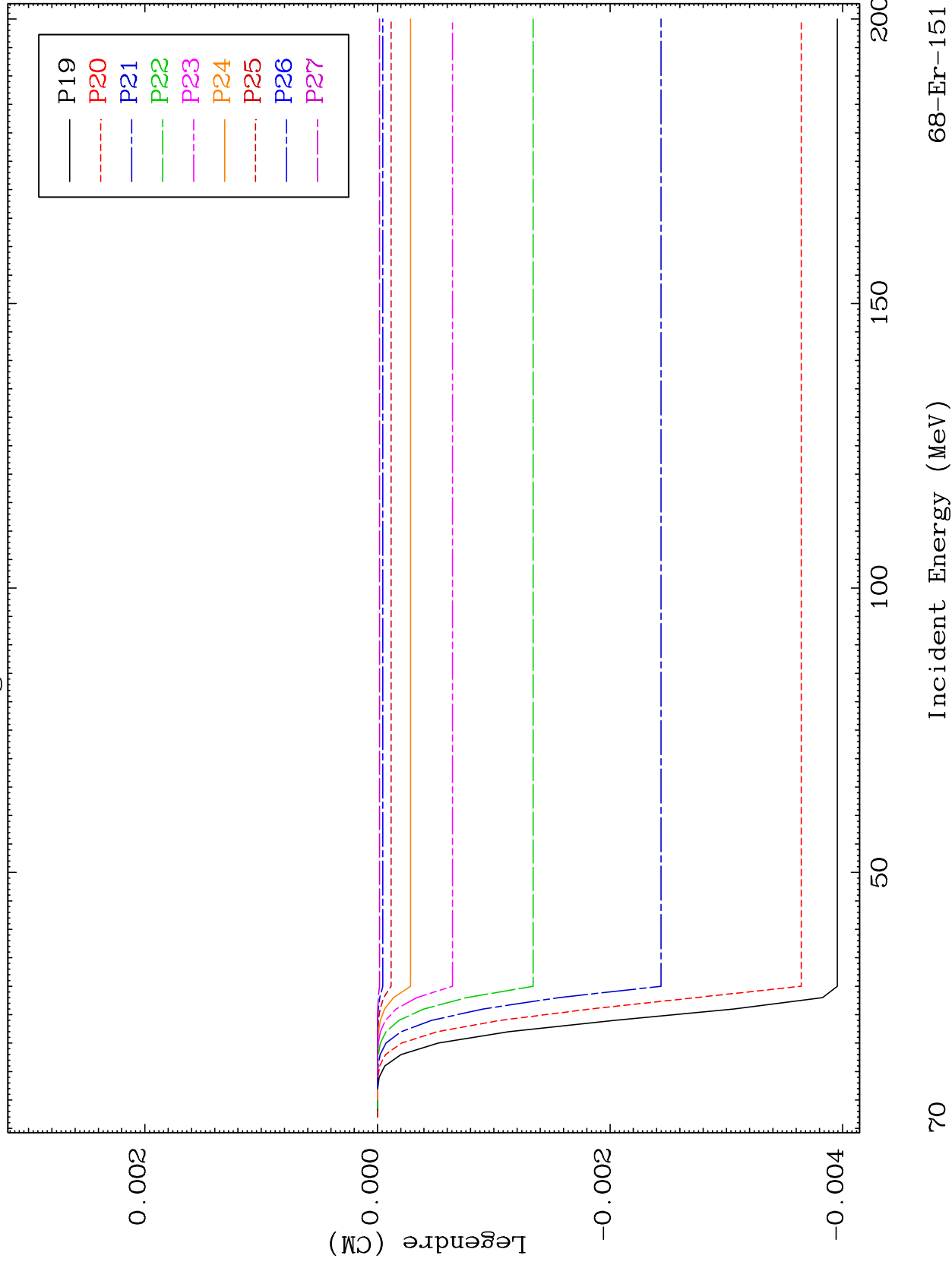
68



MAT 6792

2.174 MeV (n,n') Level  
Legendre Coefficients

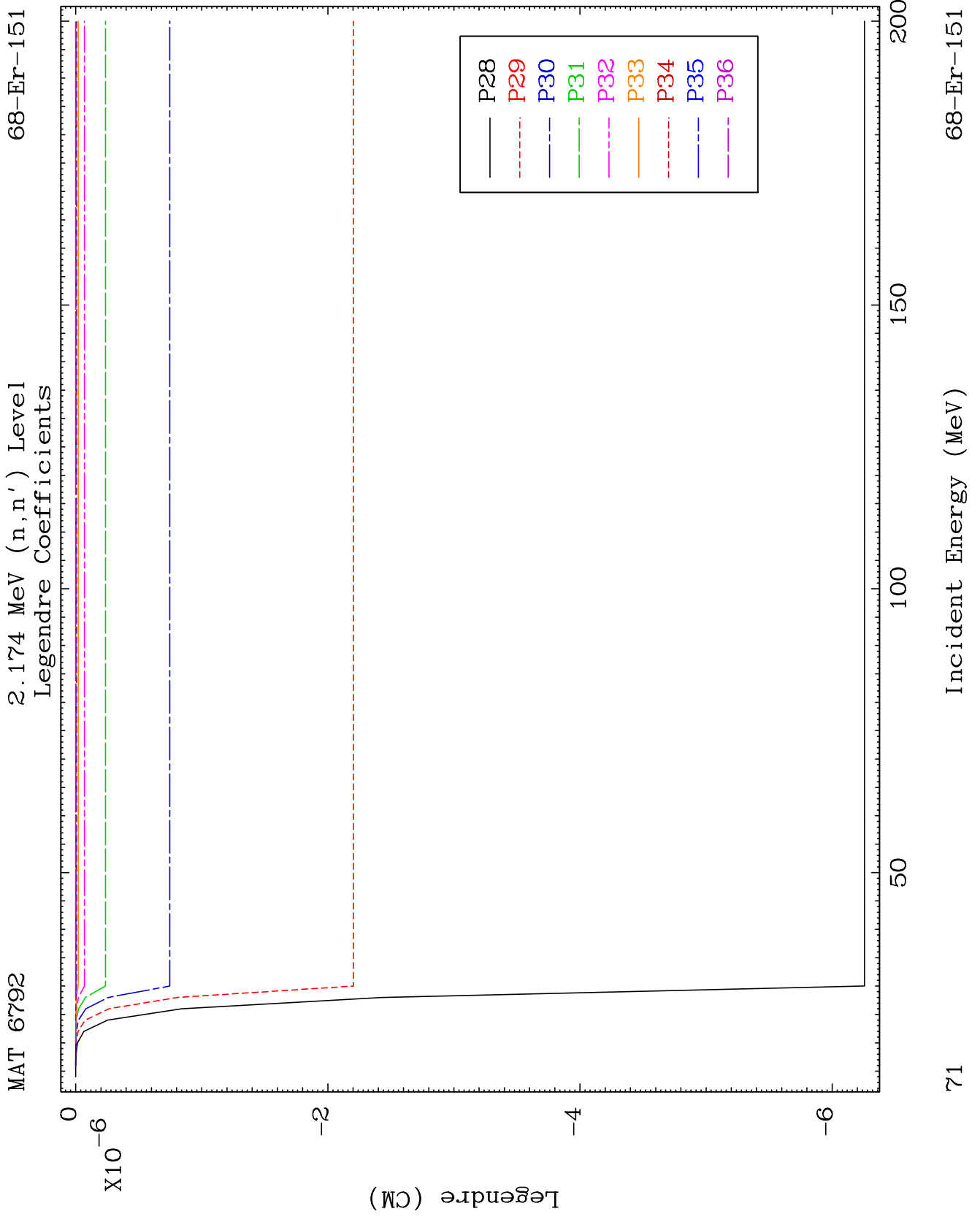
68-Er-151



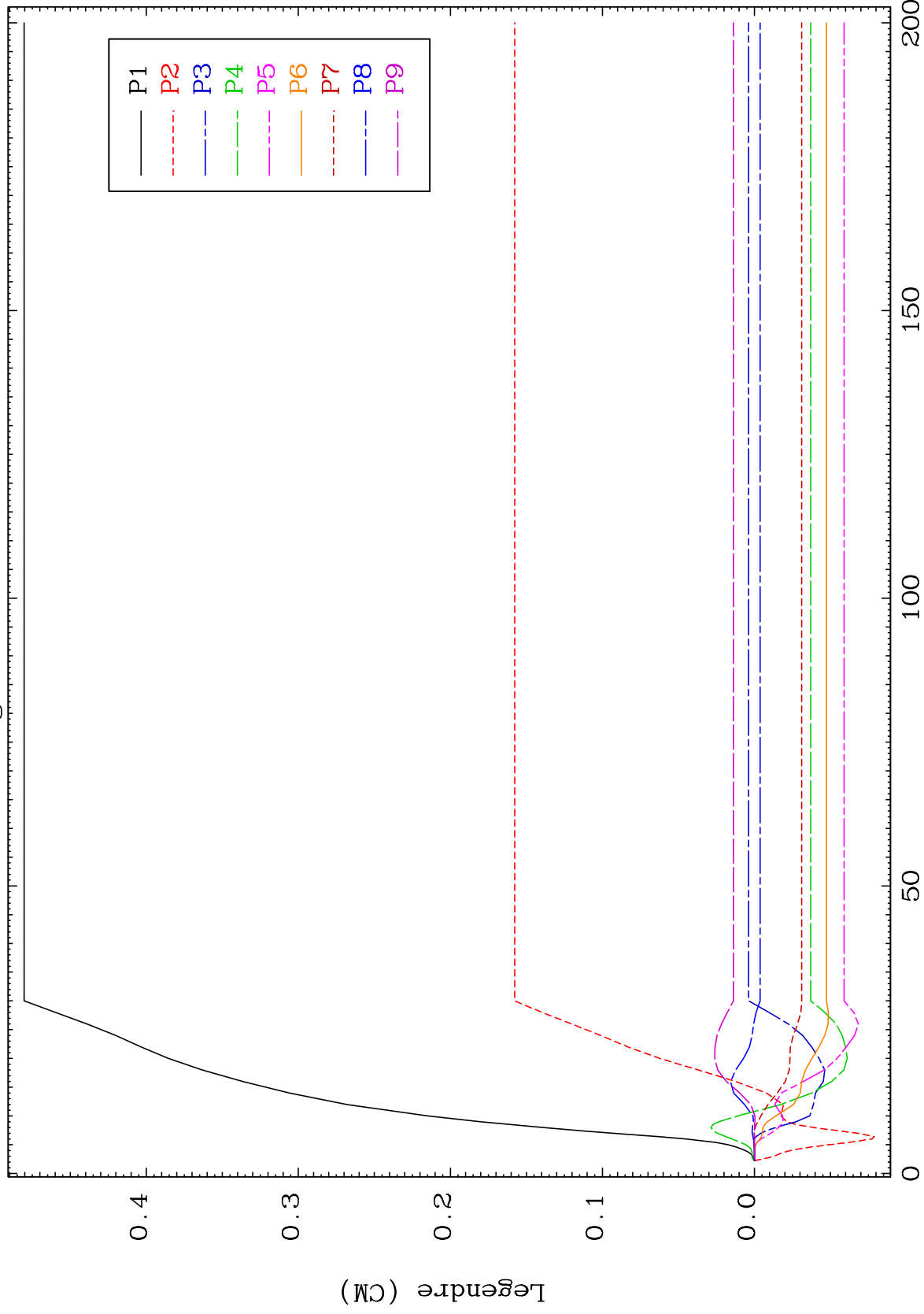
70

Incident Energy (MeV)

68-Er-151



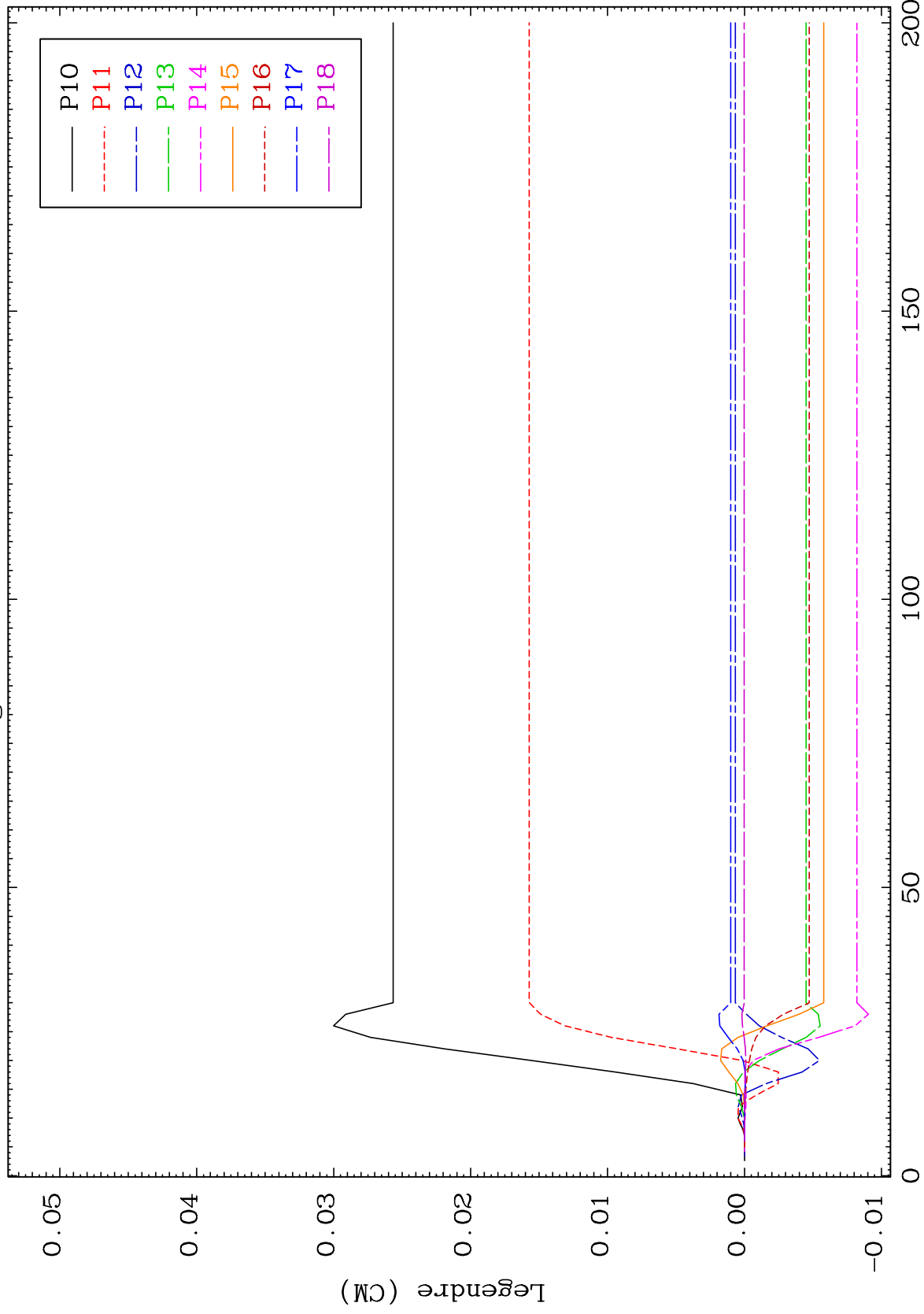




MAT 6792

2.212 MeV (n,n') Level  
Legendre Coefficients

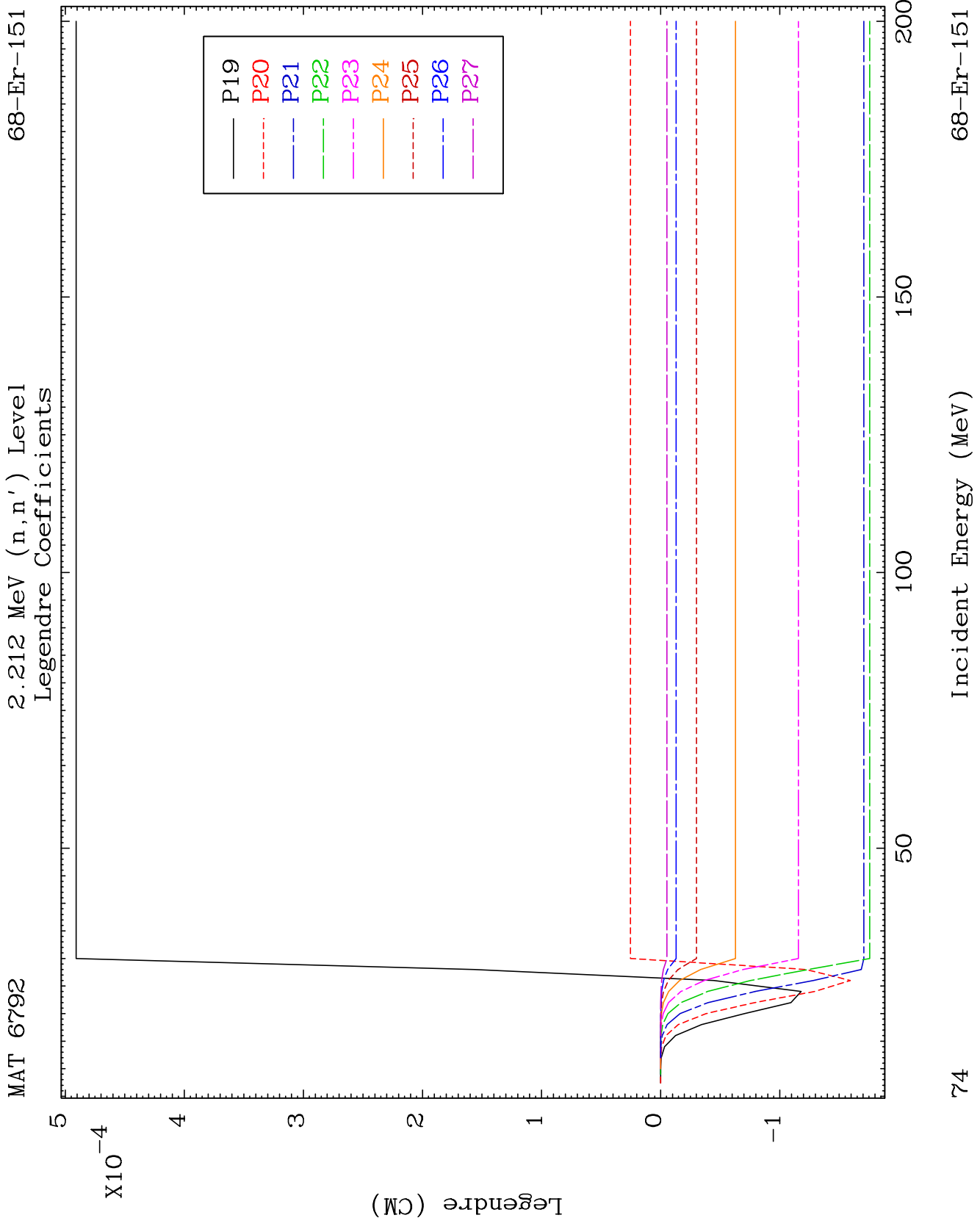
68-Er-151

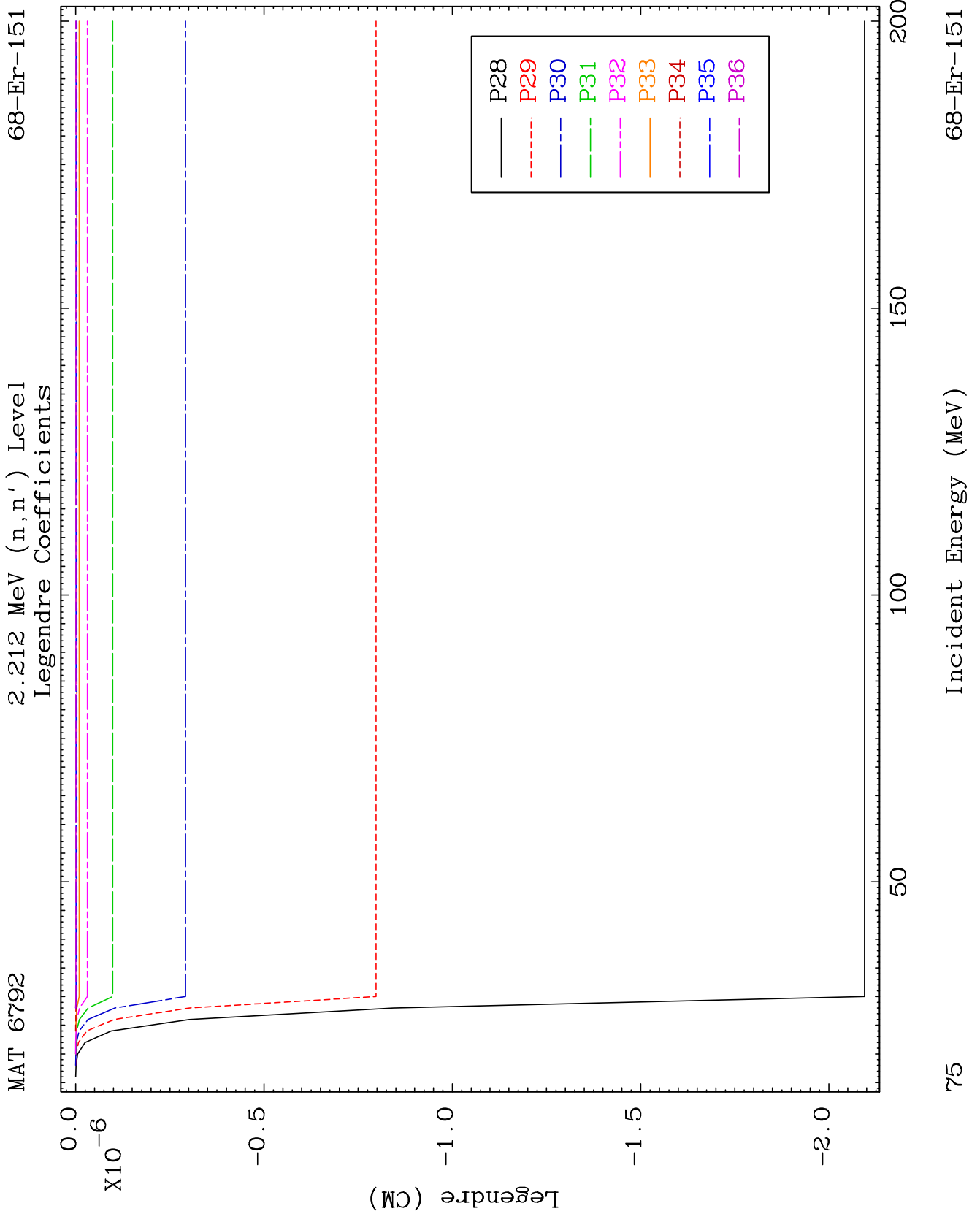


73

Incident Energy (MeV)

68-Er-151

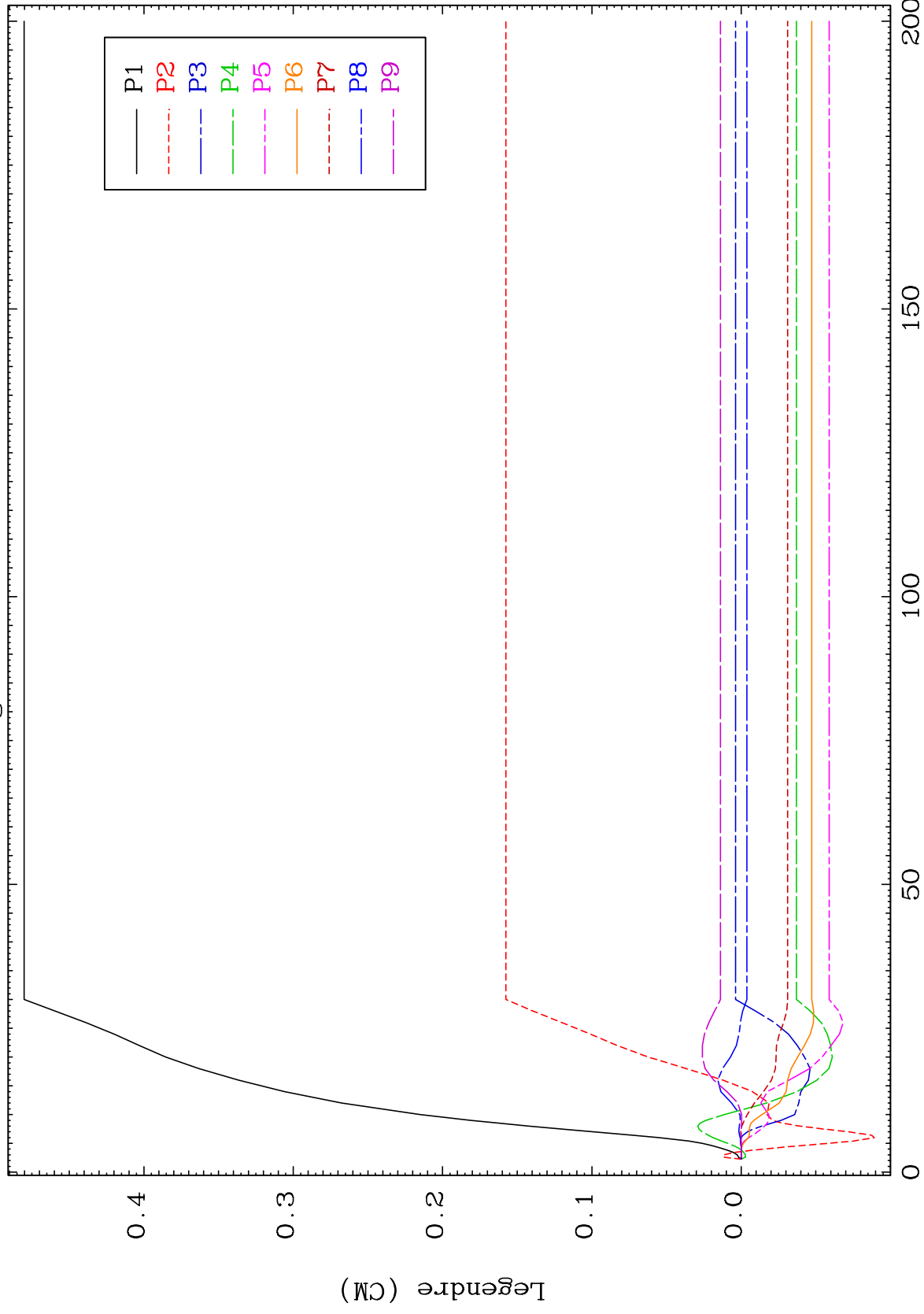




MAT 6792

2.240 MeV (n,n') Level  
Legendre Coefficients

68-Er-151



76

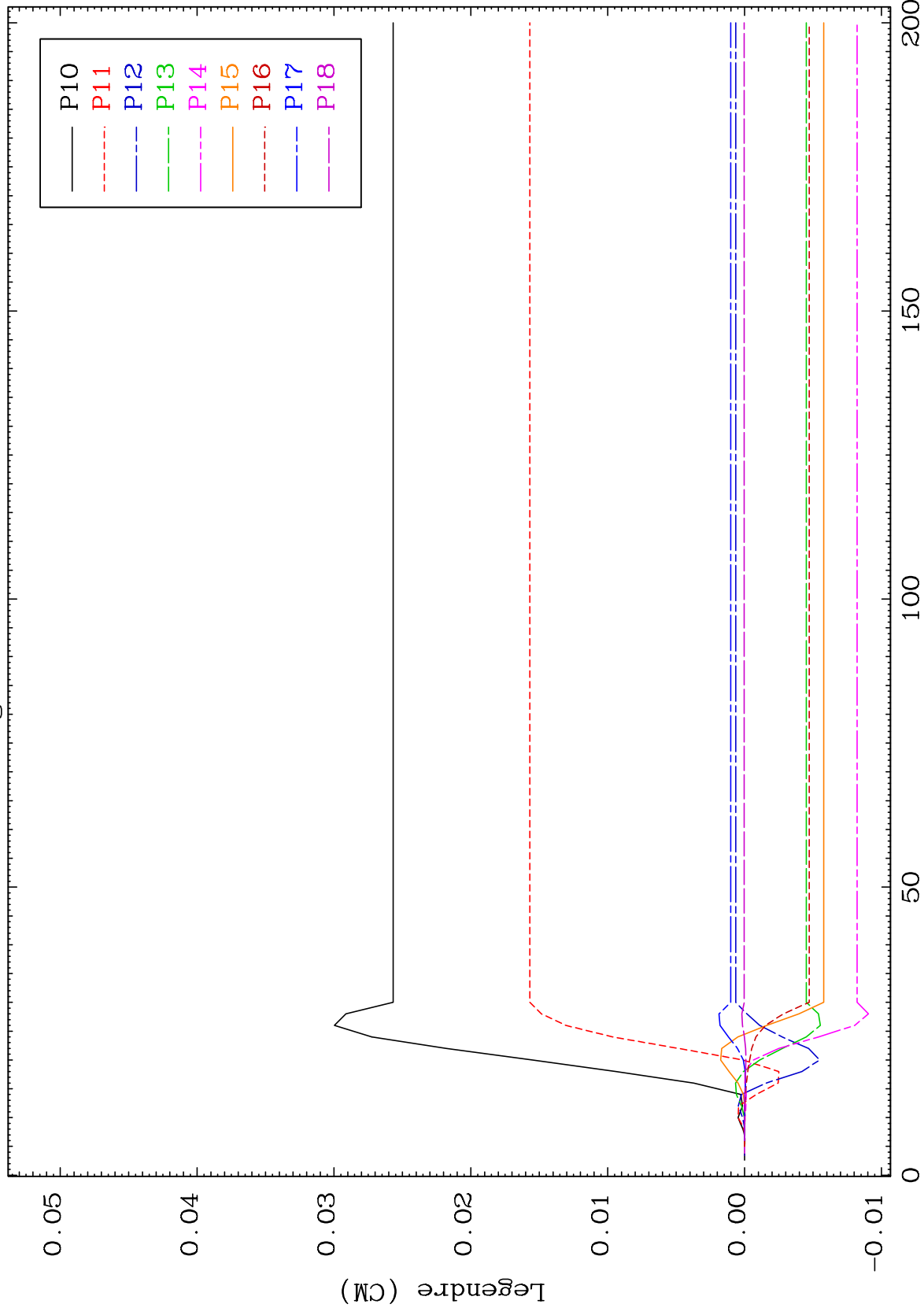
Incident Energy (MeV)

68-Er-151

MAT 6792

2.240 MeV (n,n') Level  
Legendre Coefficients

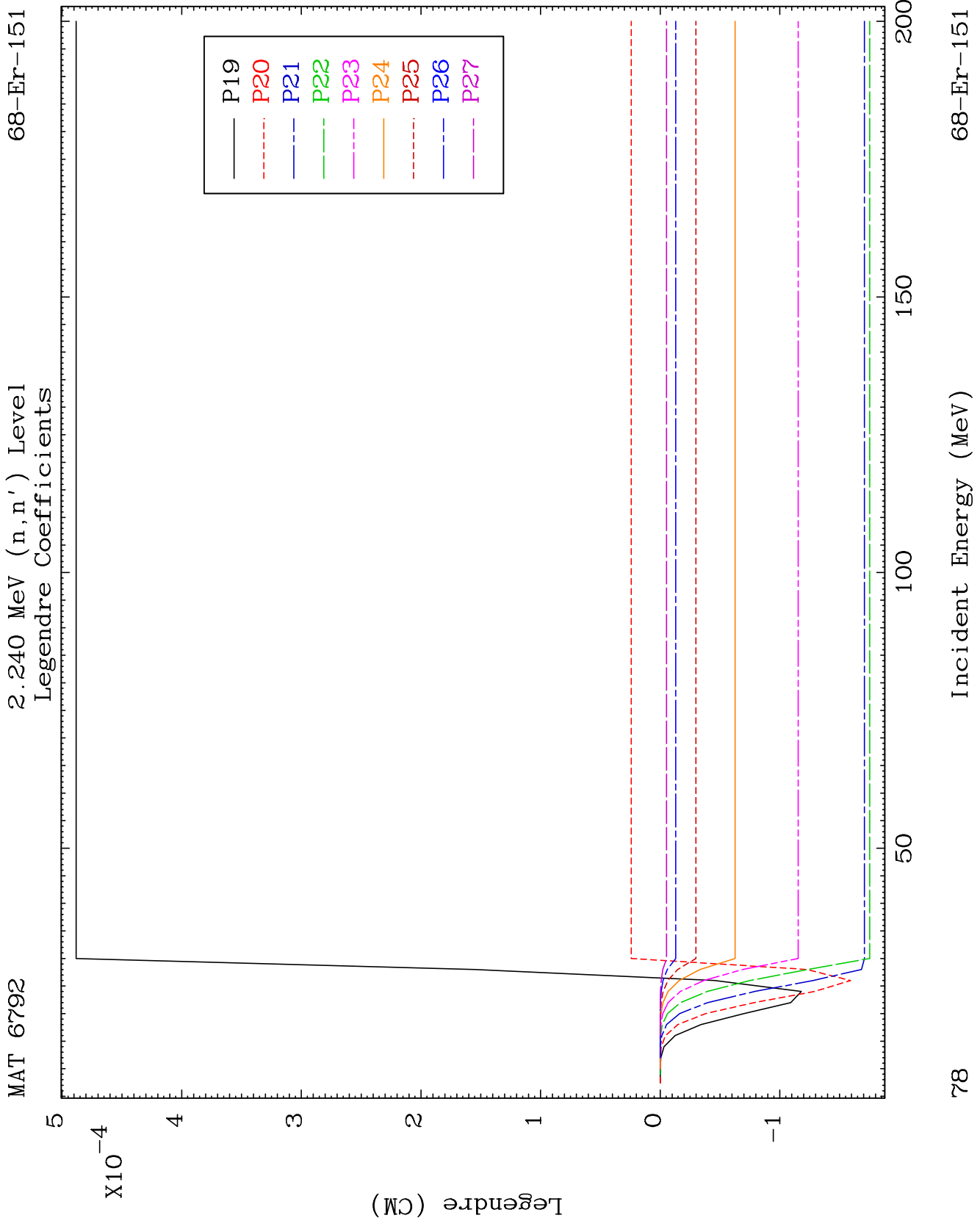
68-Er-151



77

Incident Energy (MeV)

68-Er-151



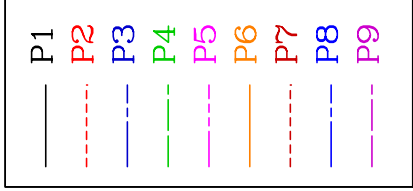
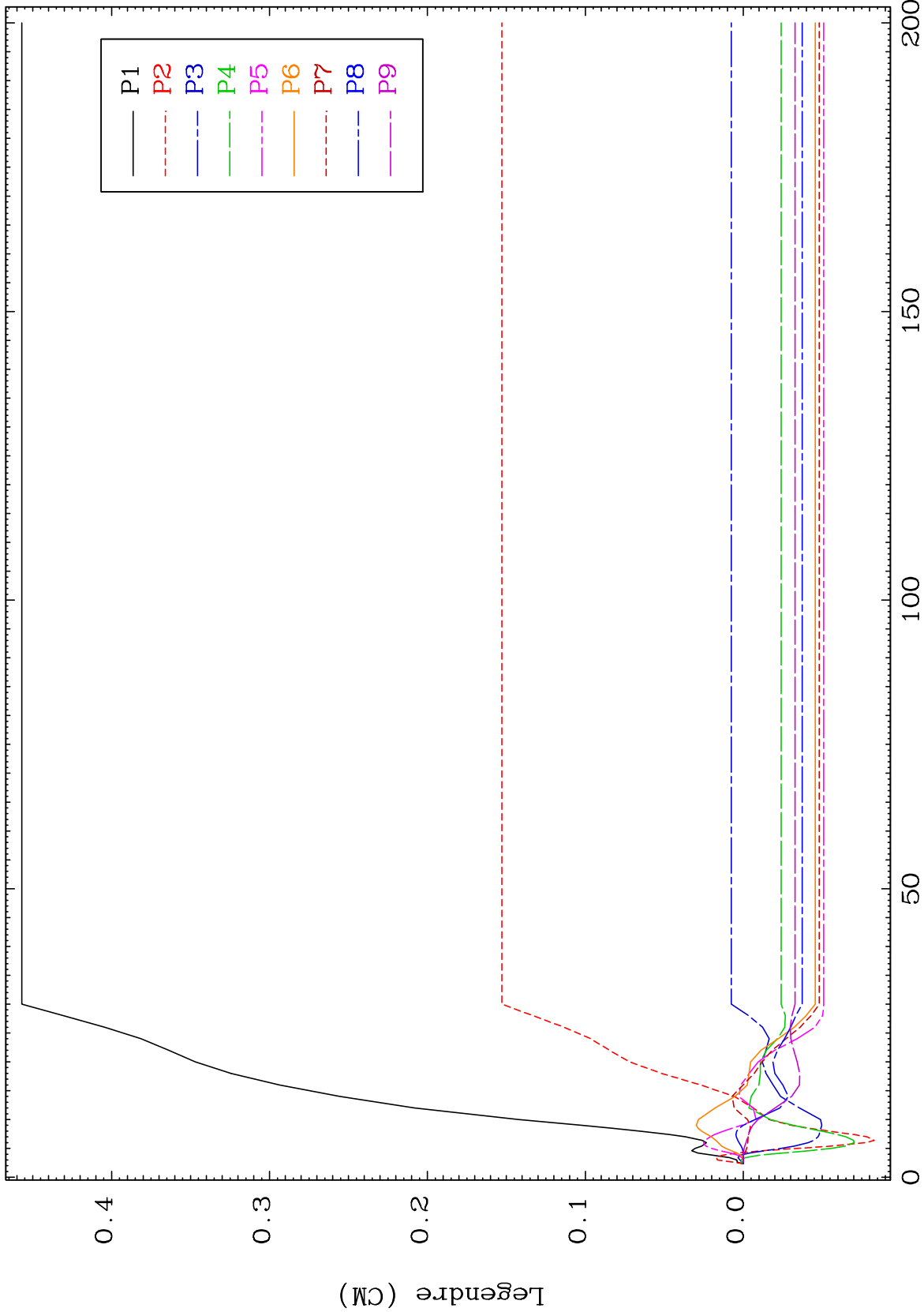




MAT 6792

2.314 MeV (n,n') Level  
Legendre Coefficients

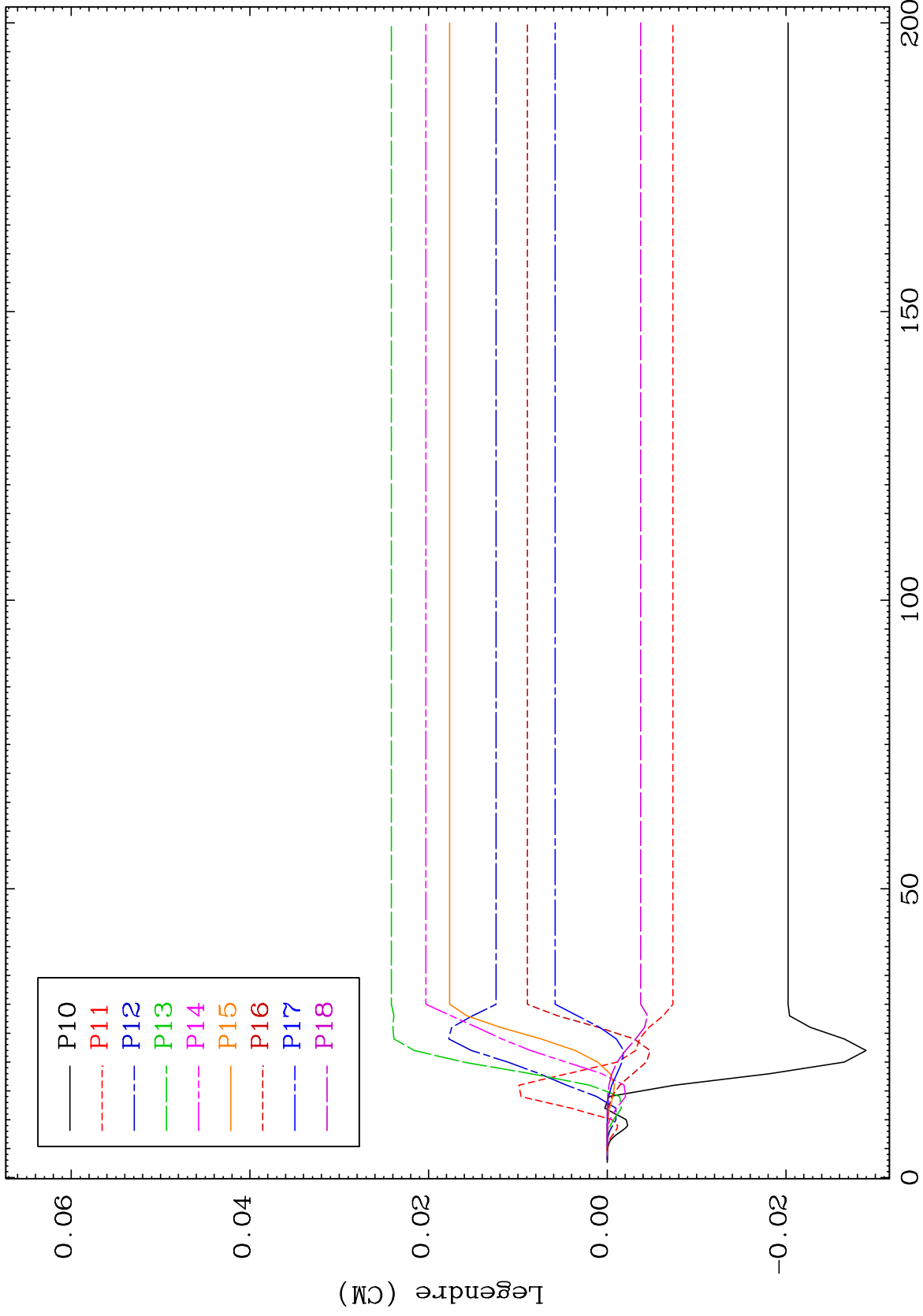
68-Er-151



MAT 6792

2.314 MeV (n,n') Level  
Legendre Coefficients

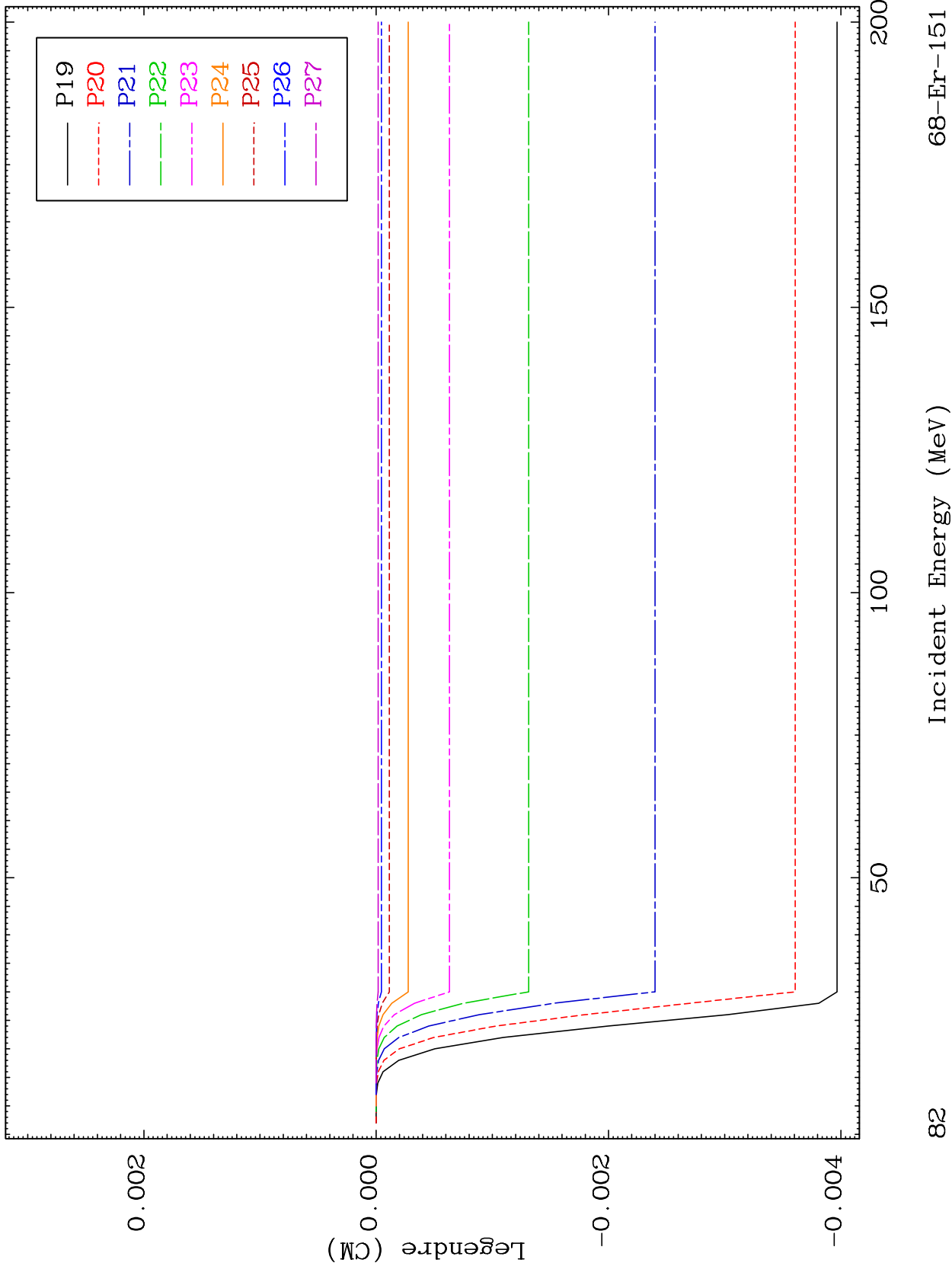
68-Er-151

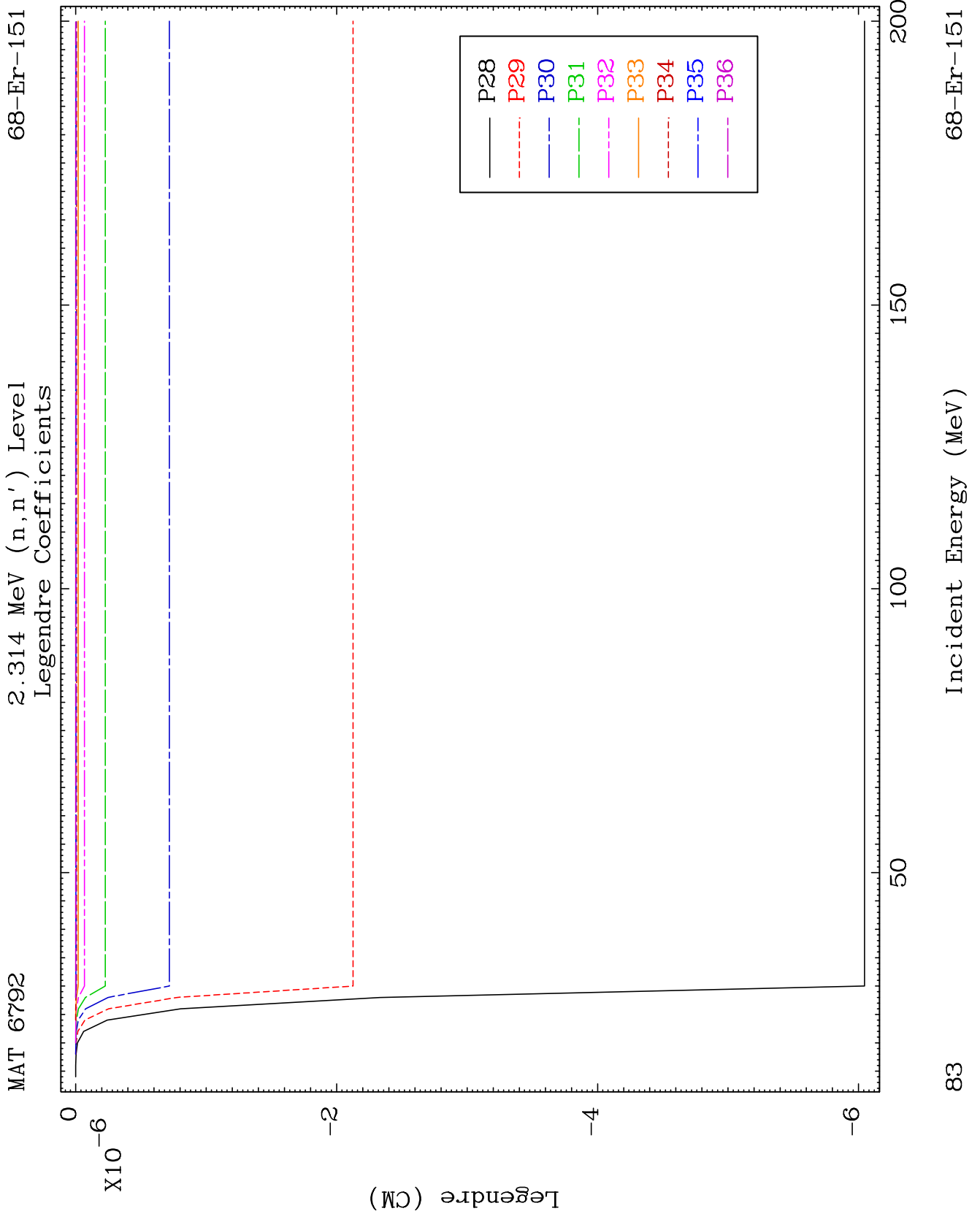


81

Incident Energy (MeV)

68-Er-151

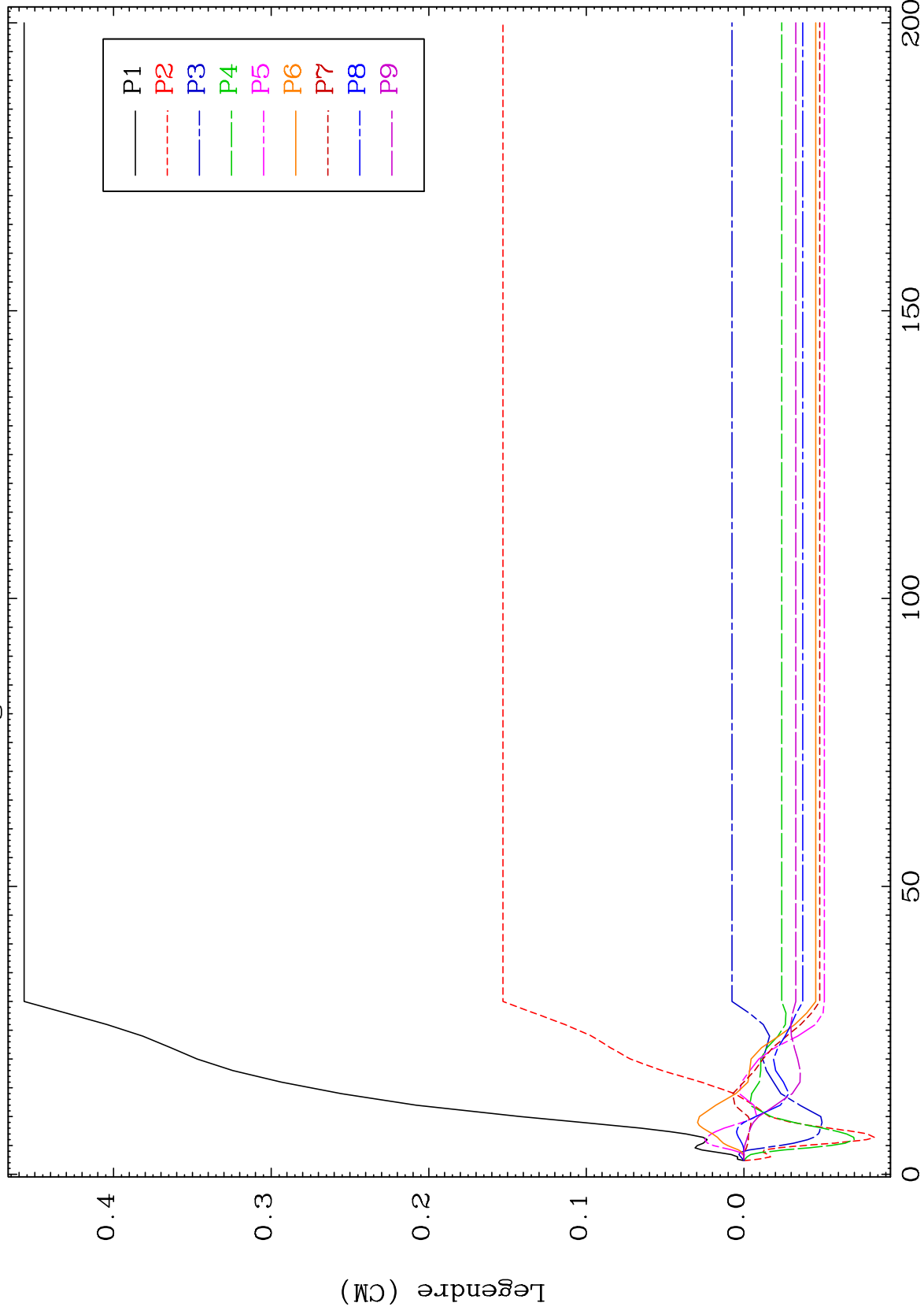




MAT 6792

2.330 MeV (n,n') Level  
Legendre Coefficients

68-Er-151



84

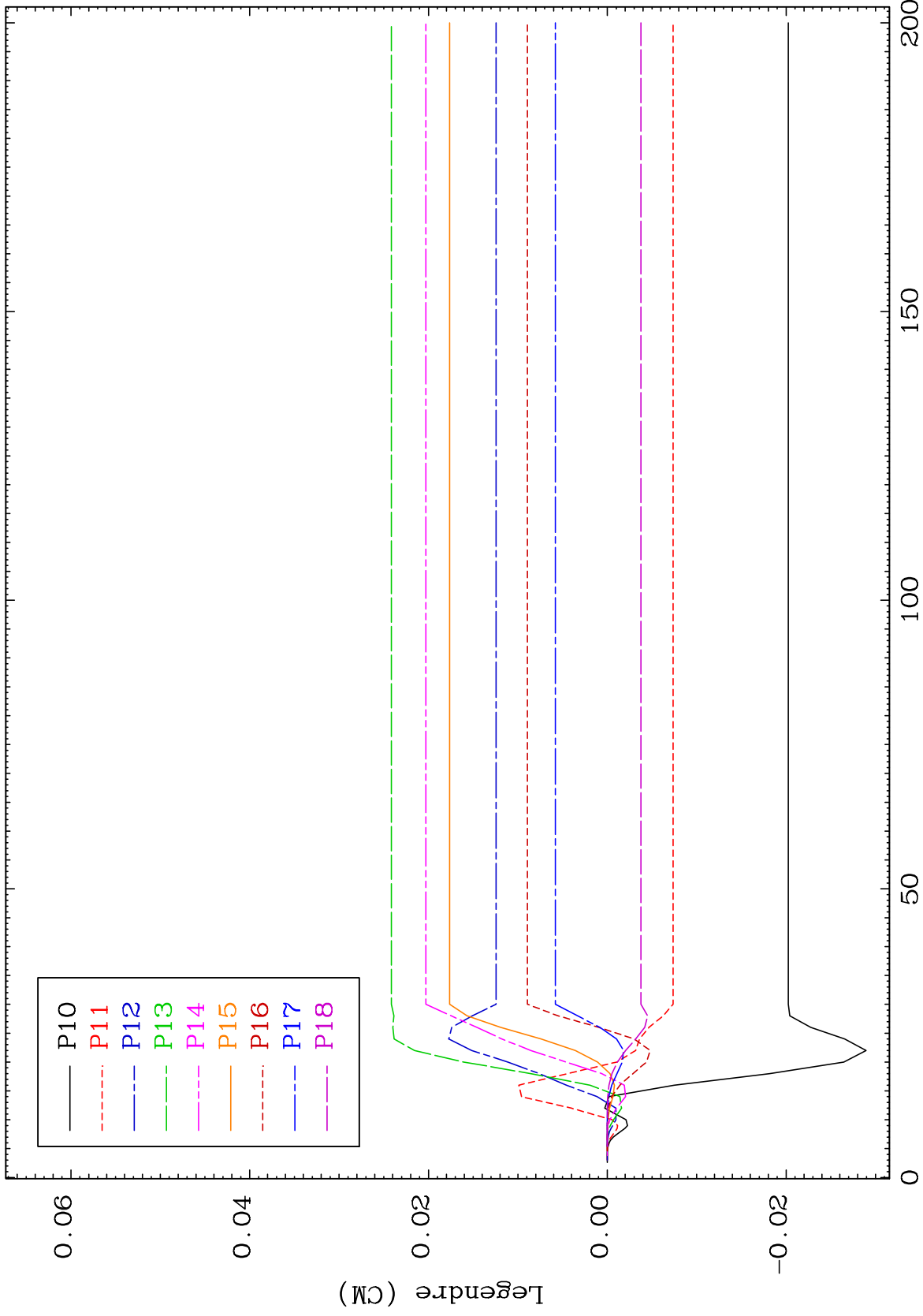
Incident Energy (MeV)

68-Er-151

MAT 6792

2.330 MeV (n,n') Level  
Legendre Coefficients

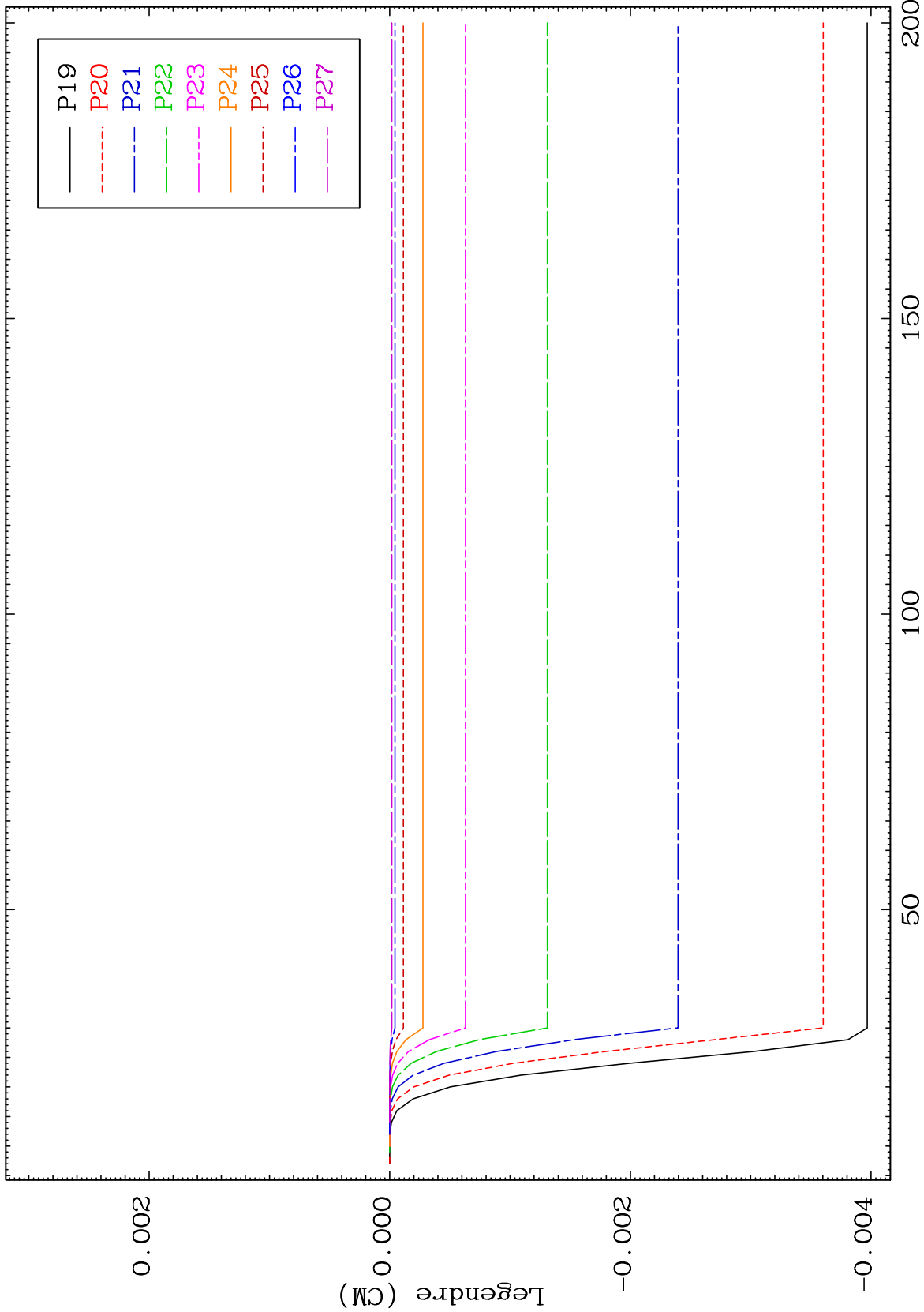
68-Er-151

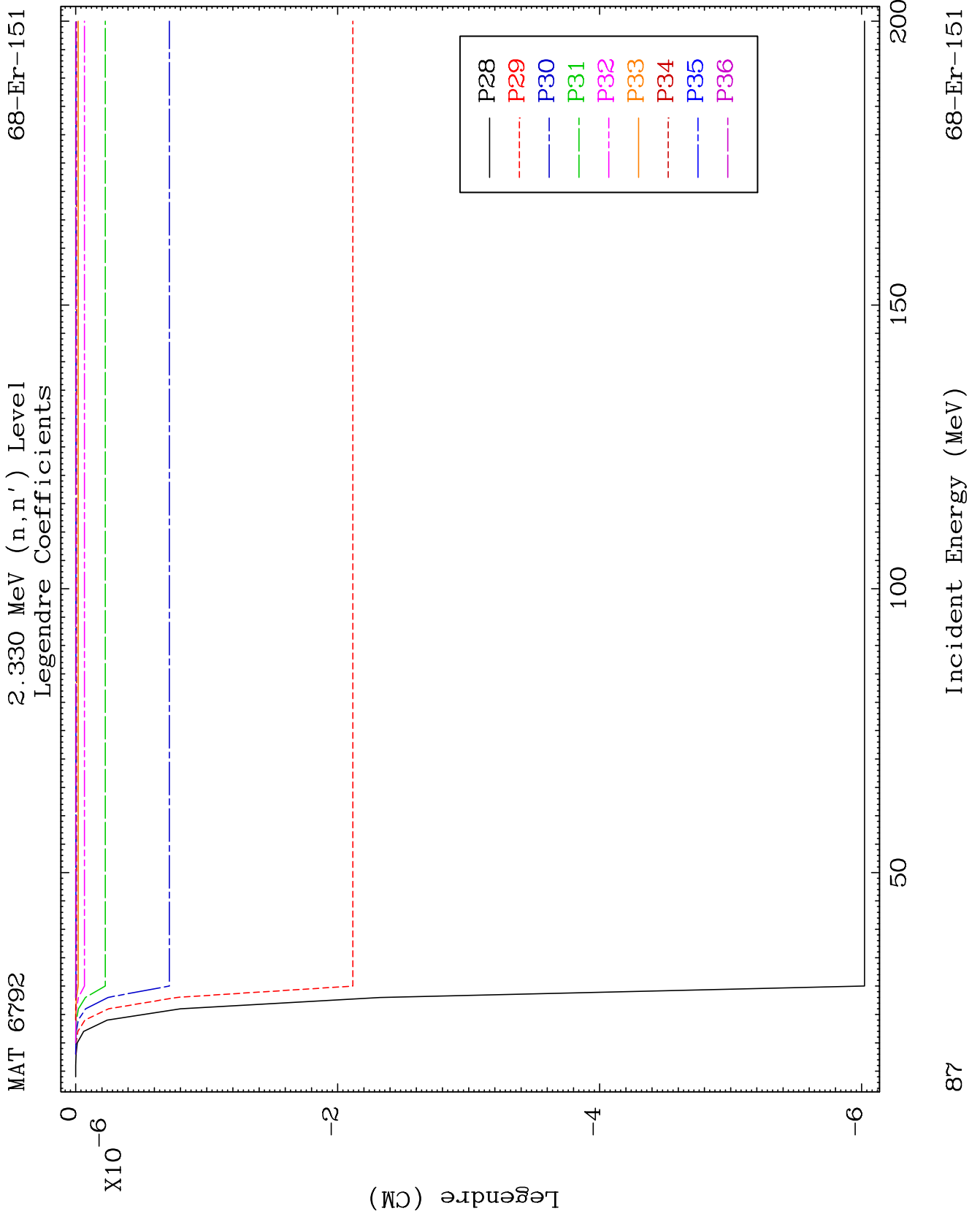


85

Incident Energy (MeV)

68-Er-151



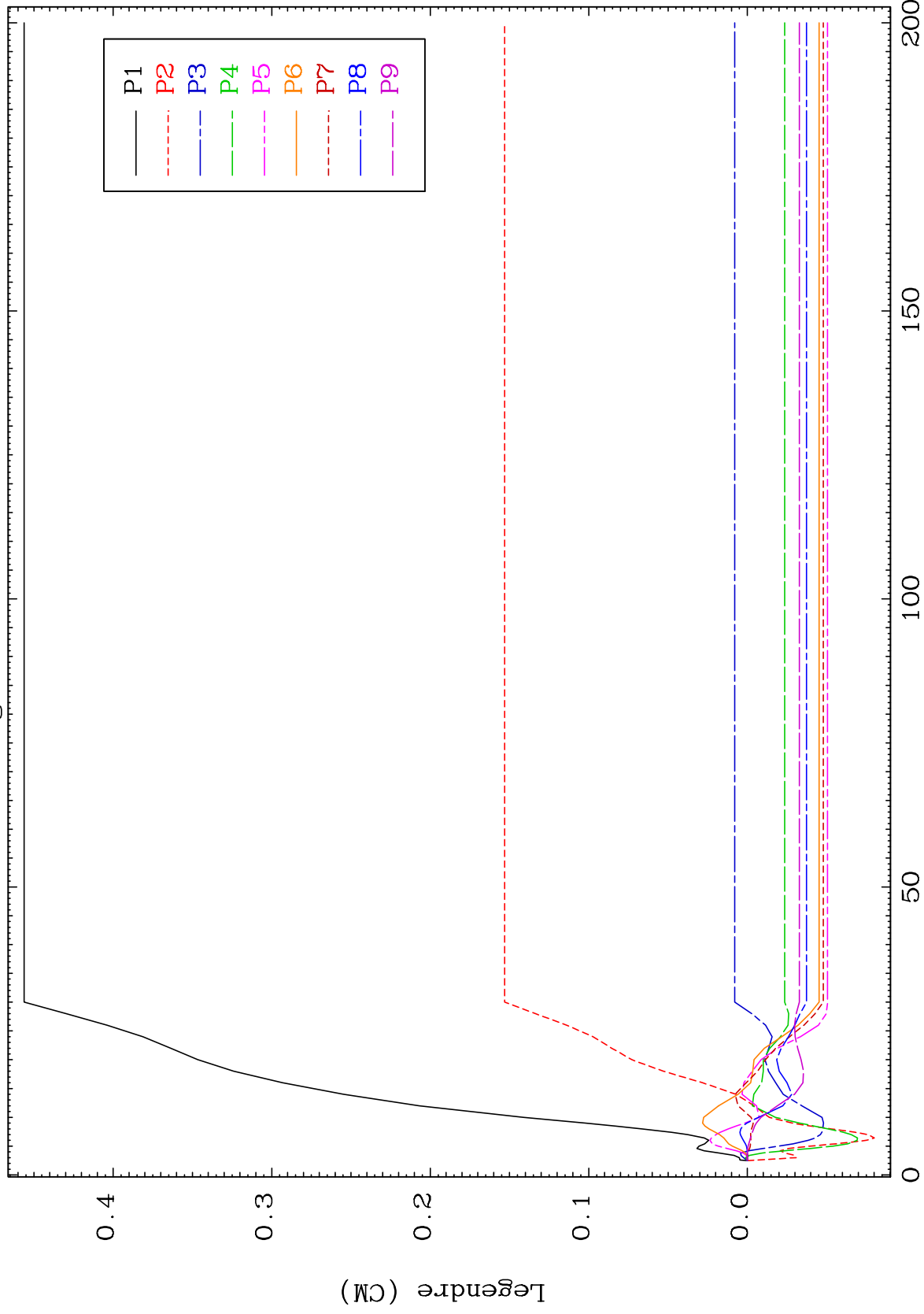




MAT 6792

2.449 MeV (n,n') Level  
Legendre Coefficients

68-Er-151



88

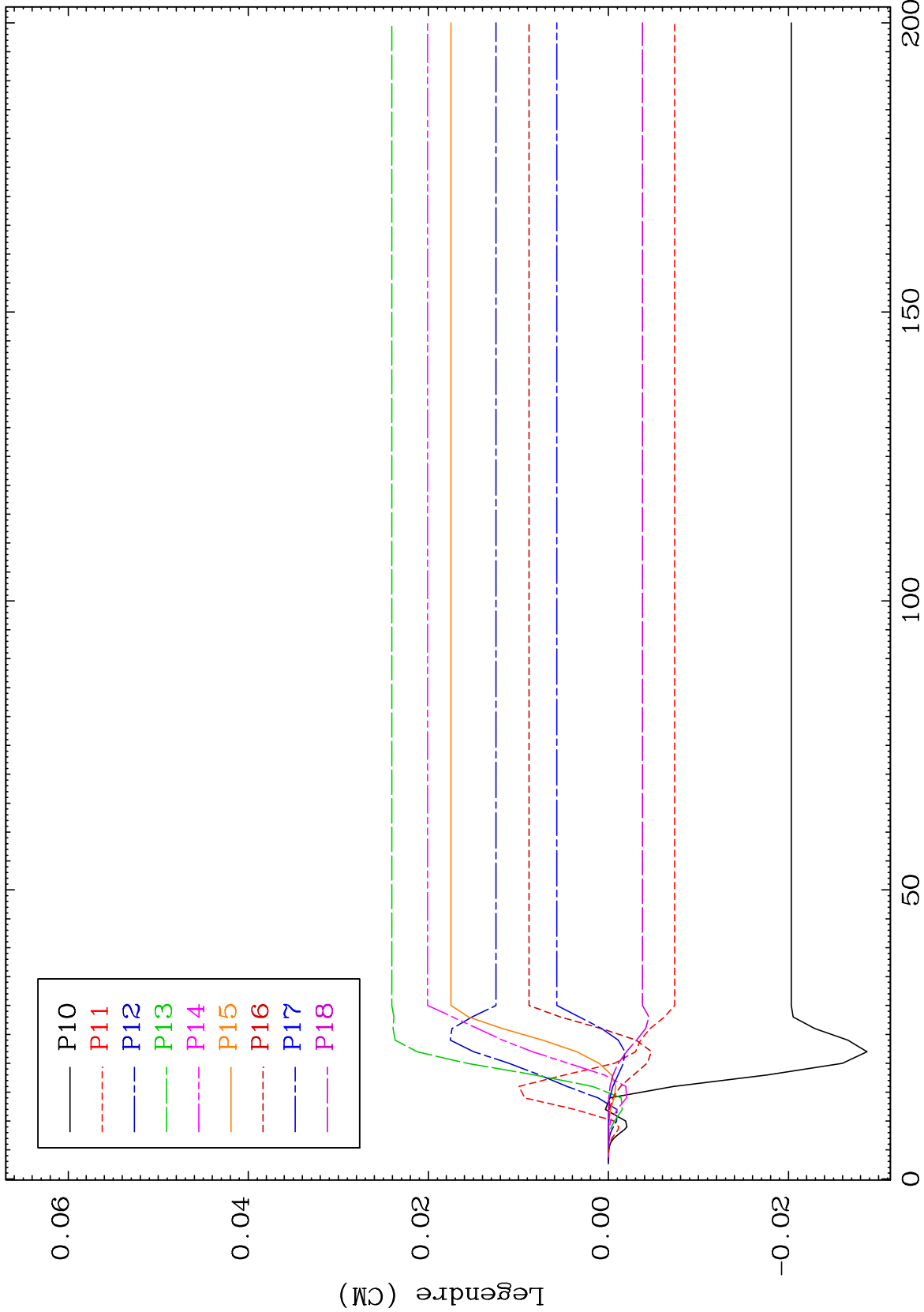
Incident Energy (MeV)

68-Er-151

MAT 6792

2.449 MeV (n,n') Level  
Legendre Coefficients

68-Er-151



89

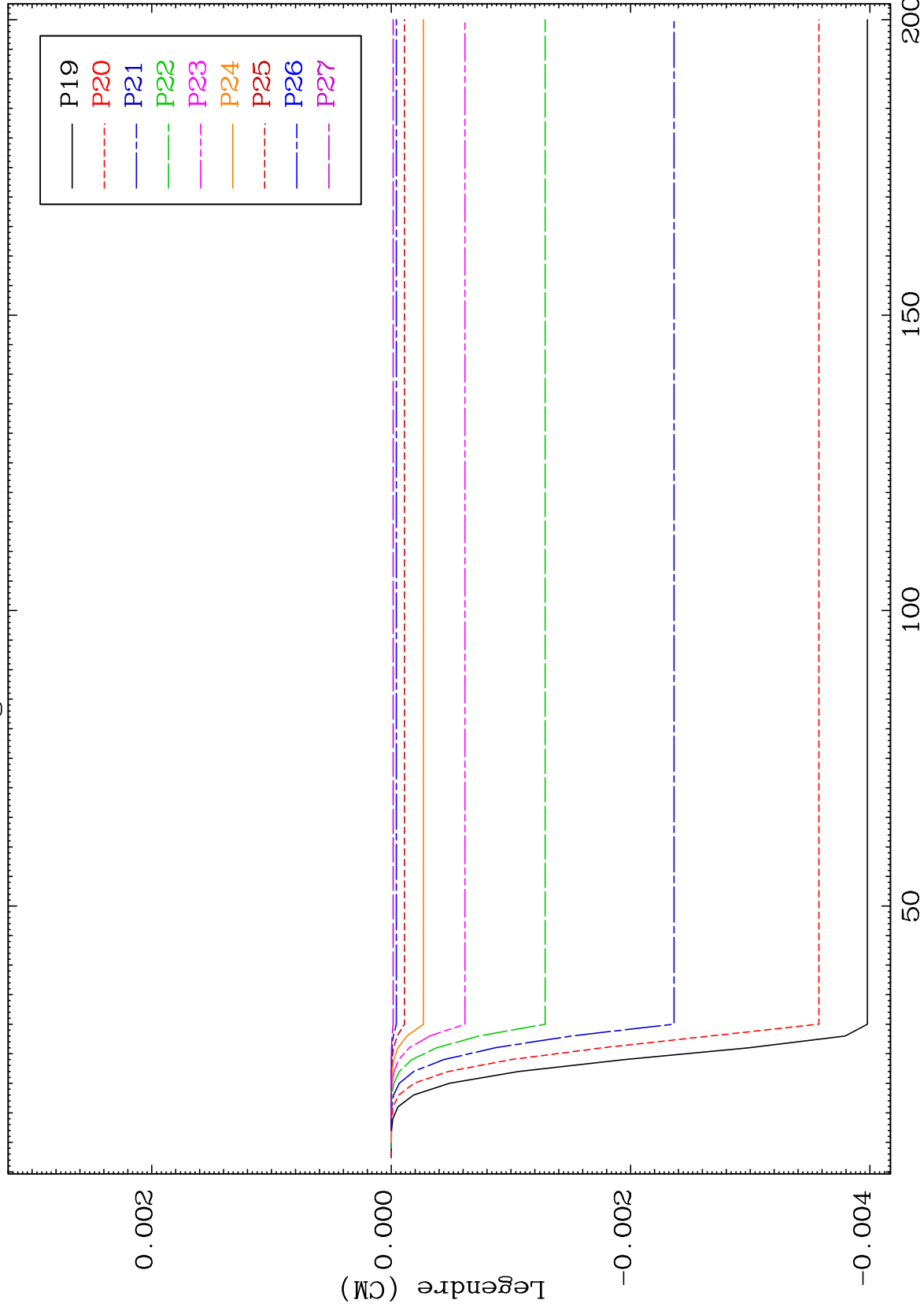
Incident Energy (MeV)

68-Er-151

MAT 6792

2.449 MeV (n,n') Level  
Legendre Coefficients

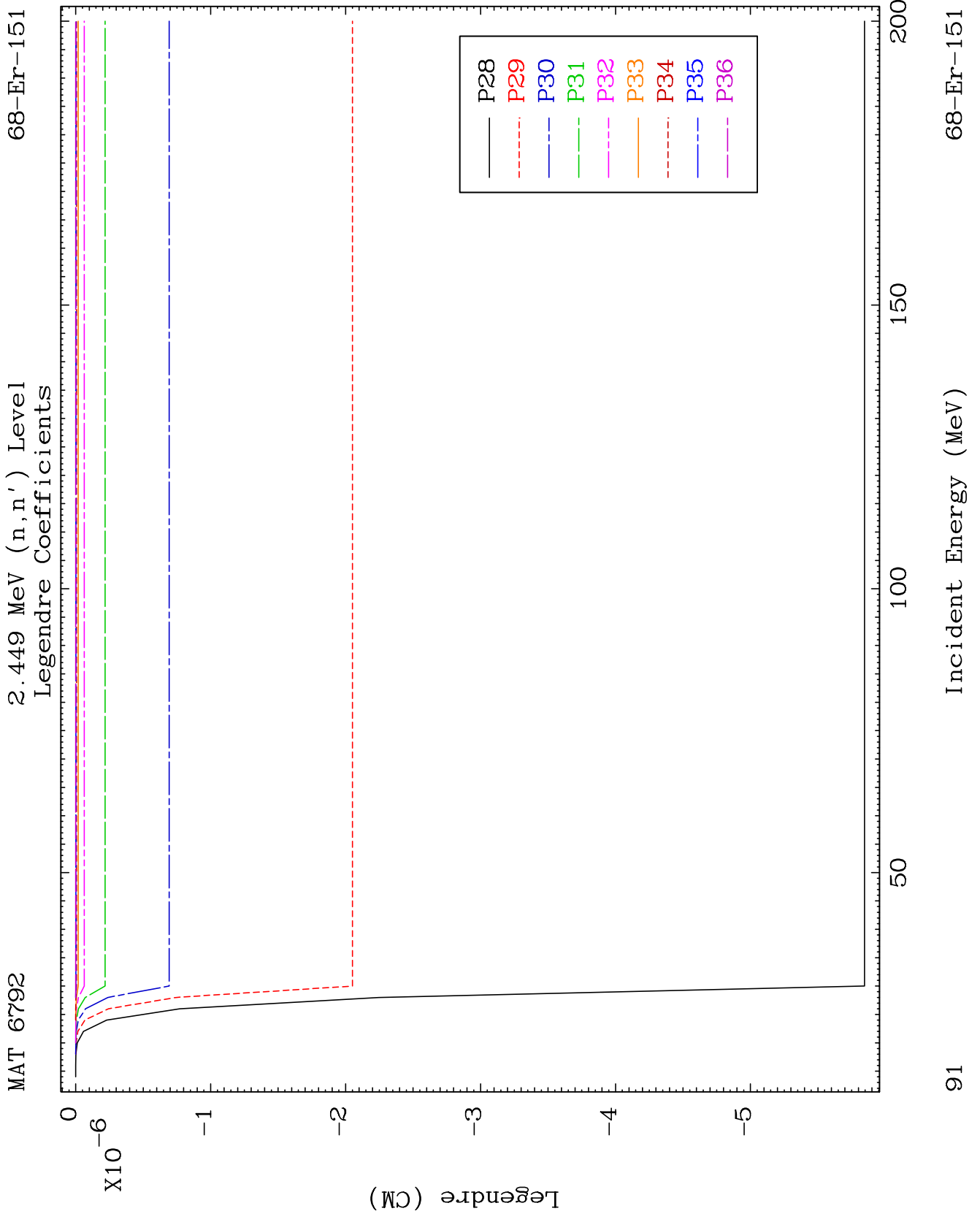
68-Er-151



90

Incident Energy (MeV)

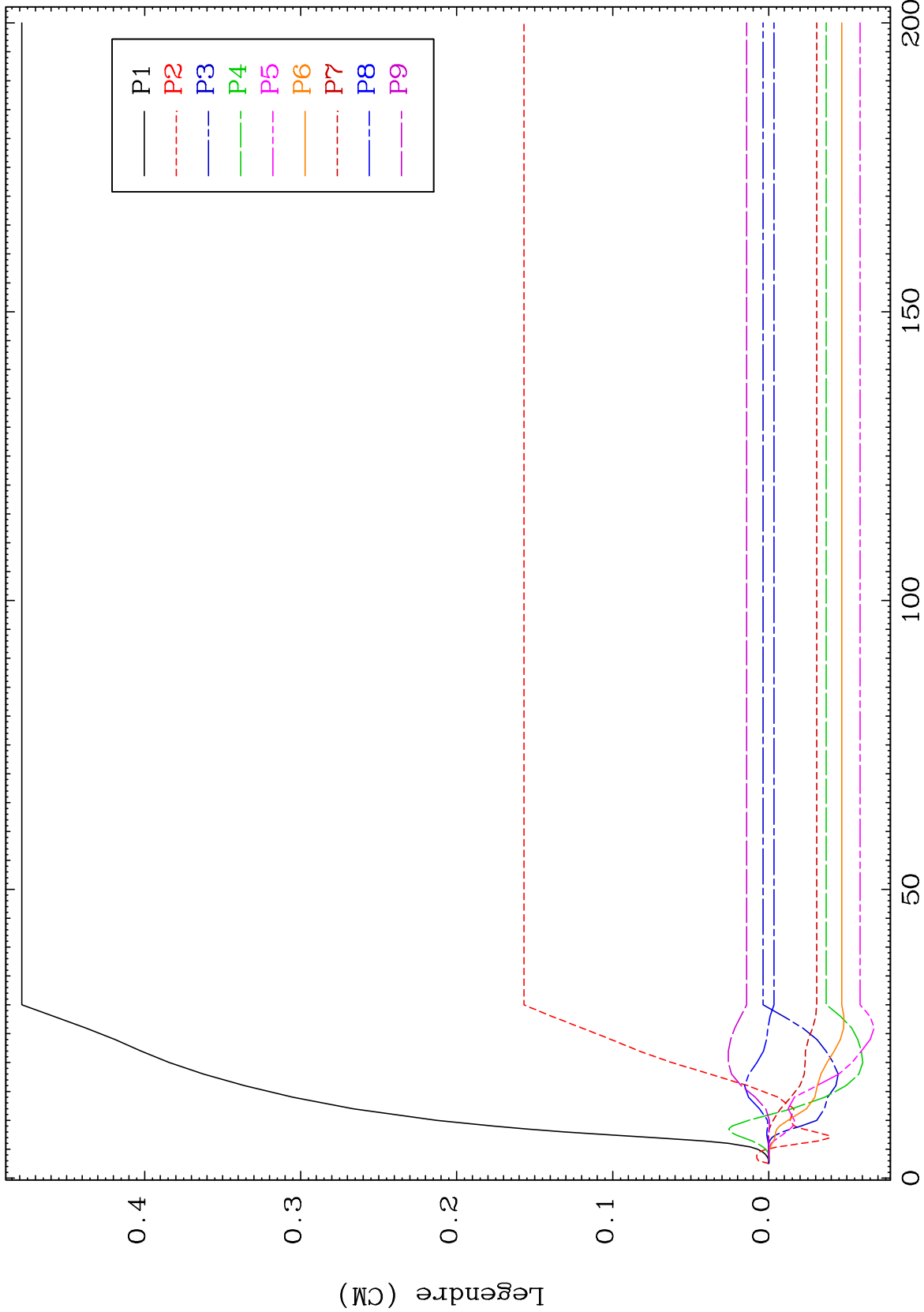
68-Er-151



MAT 6792

2.451 MeV (n,n') Level  
Legendre Coefficients

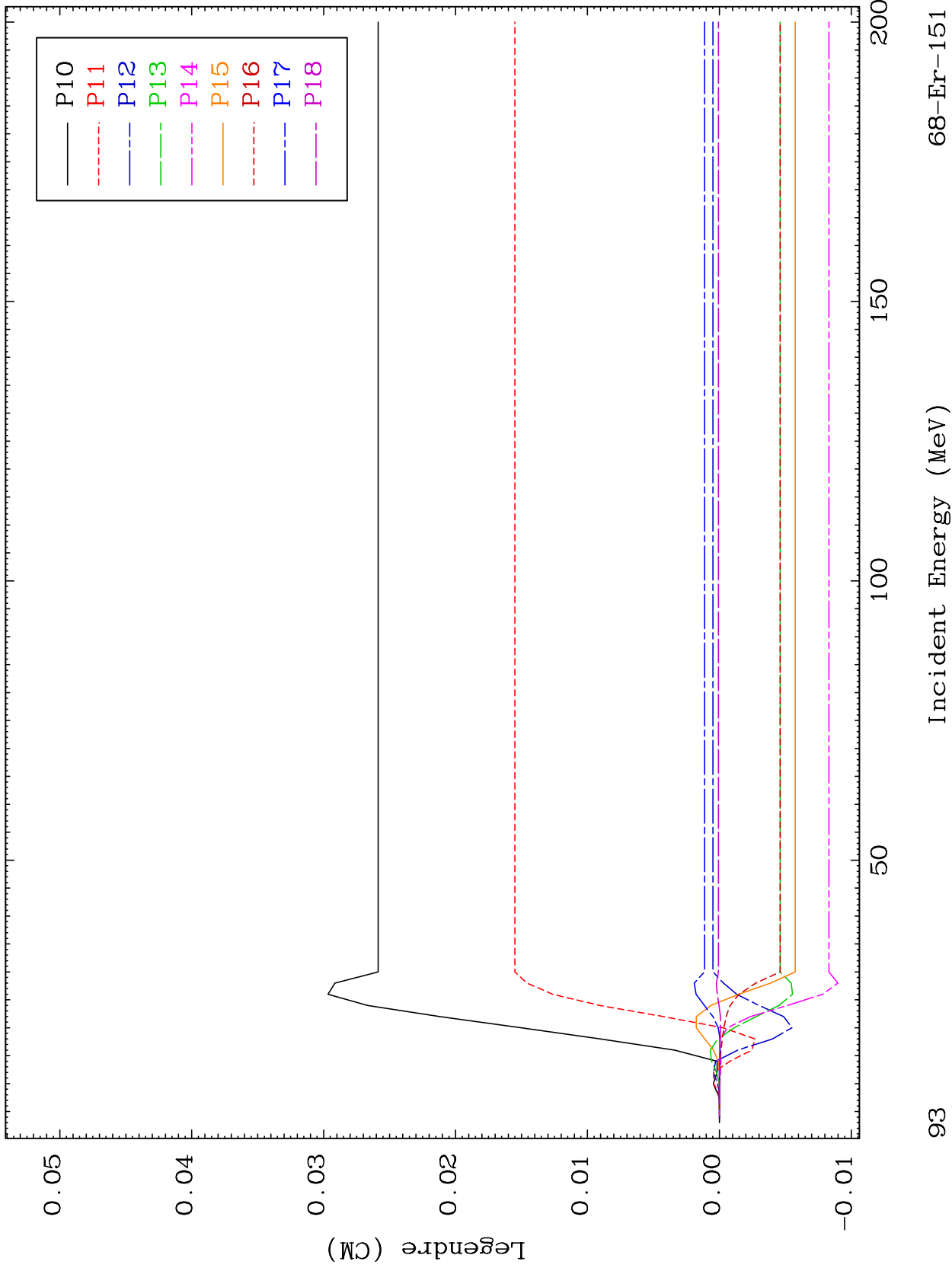
68-Er-151

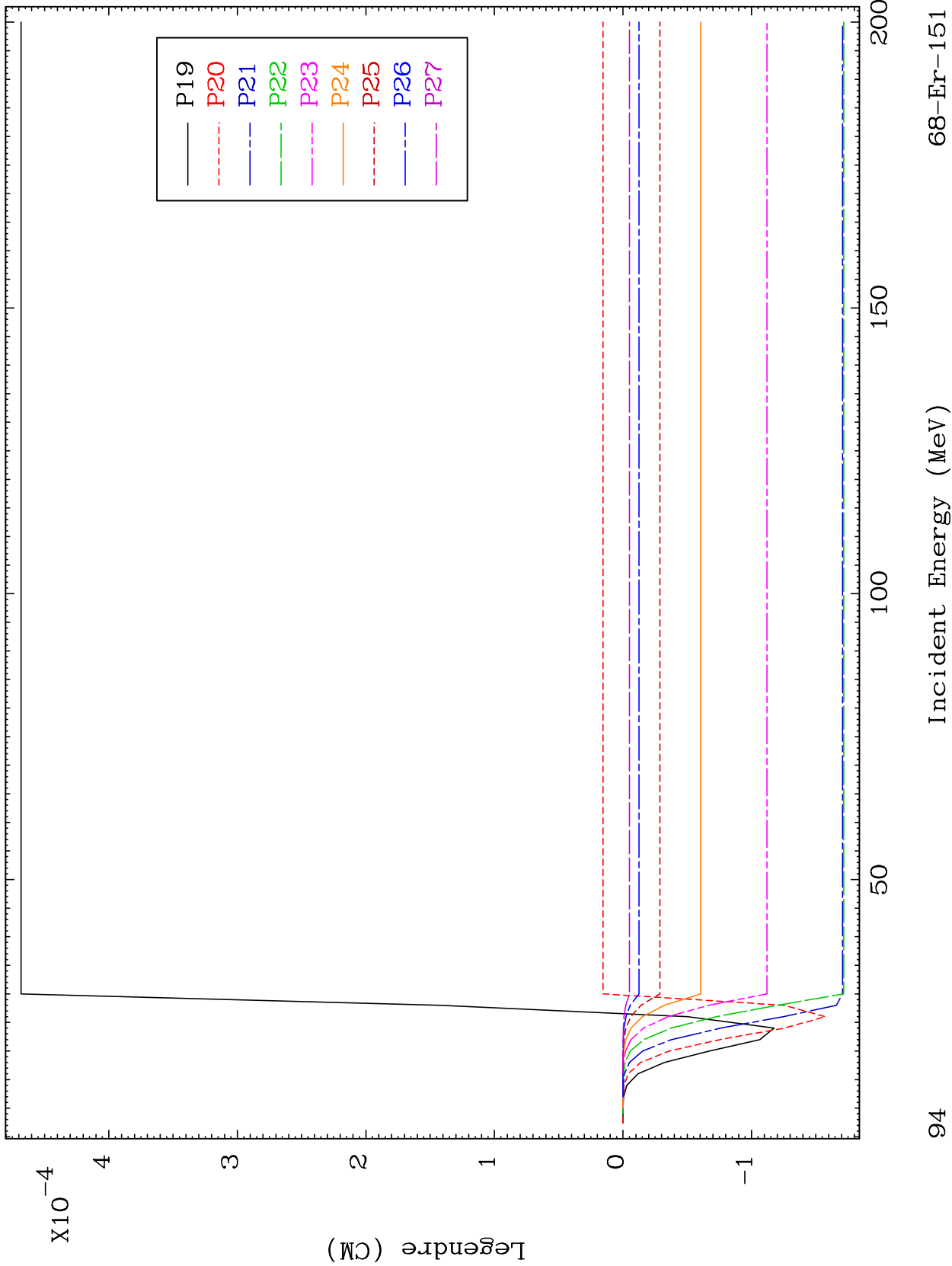


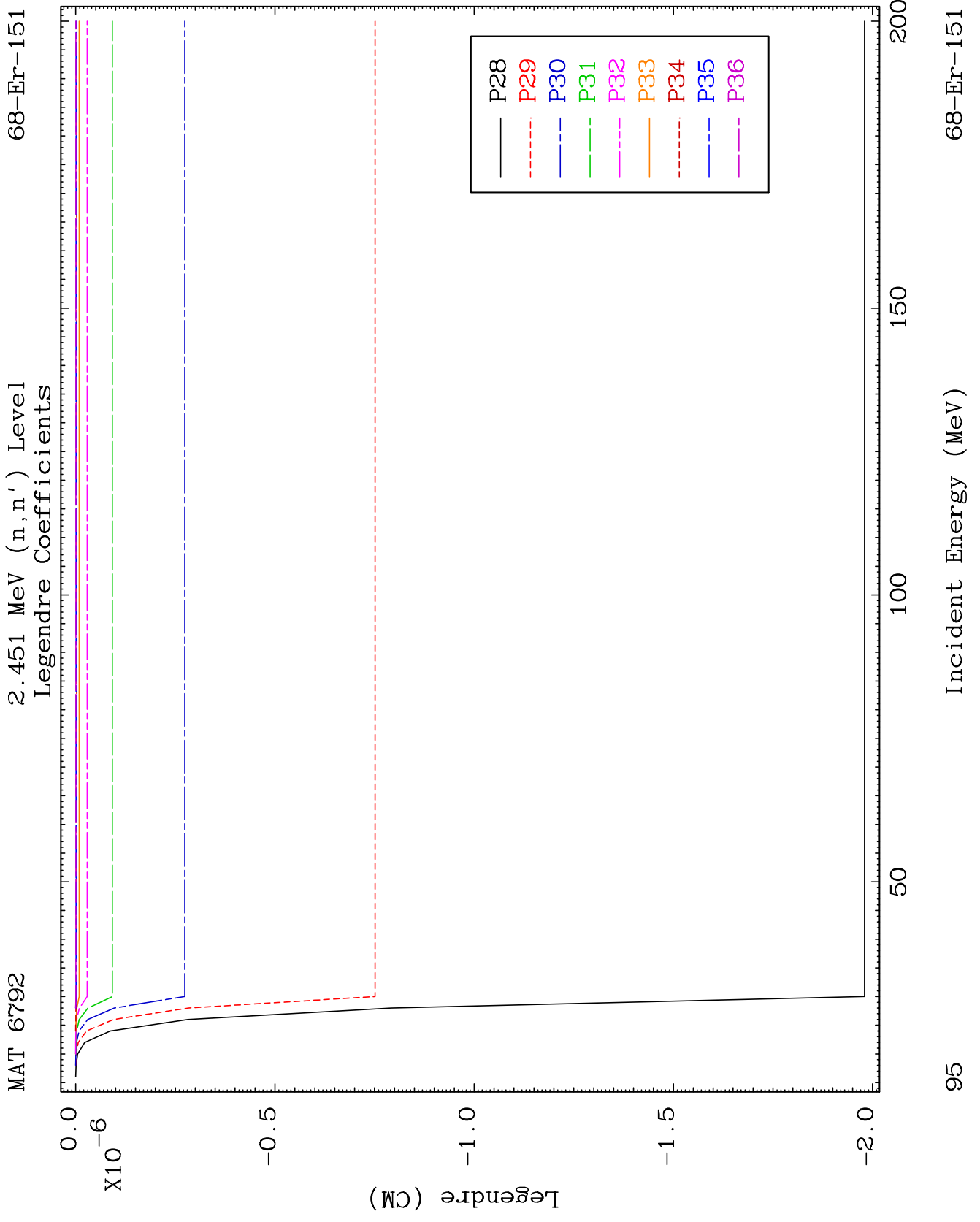
92

Incident Energy (MeV)

68-Er-151

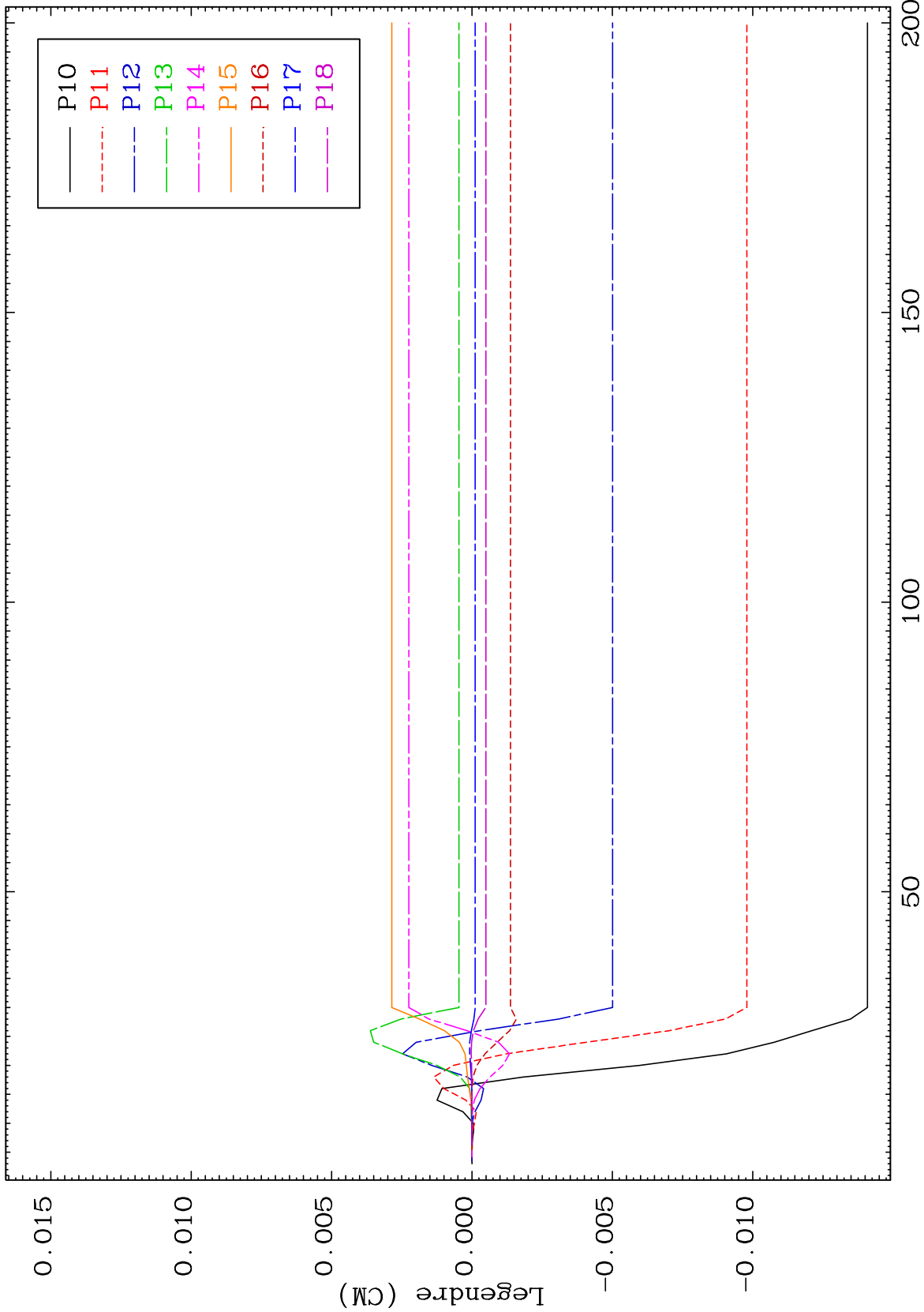




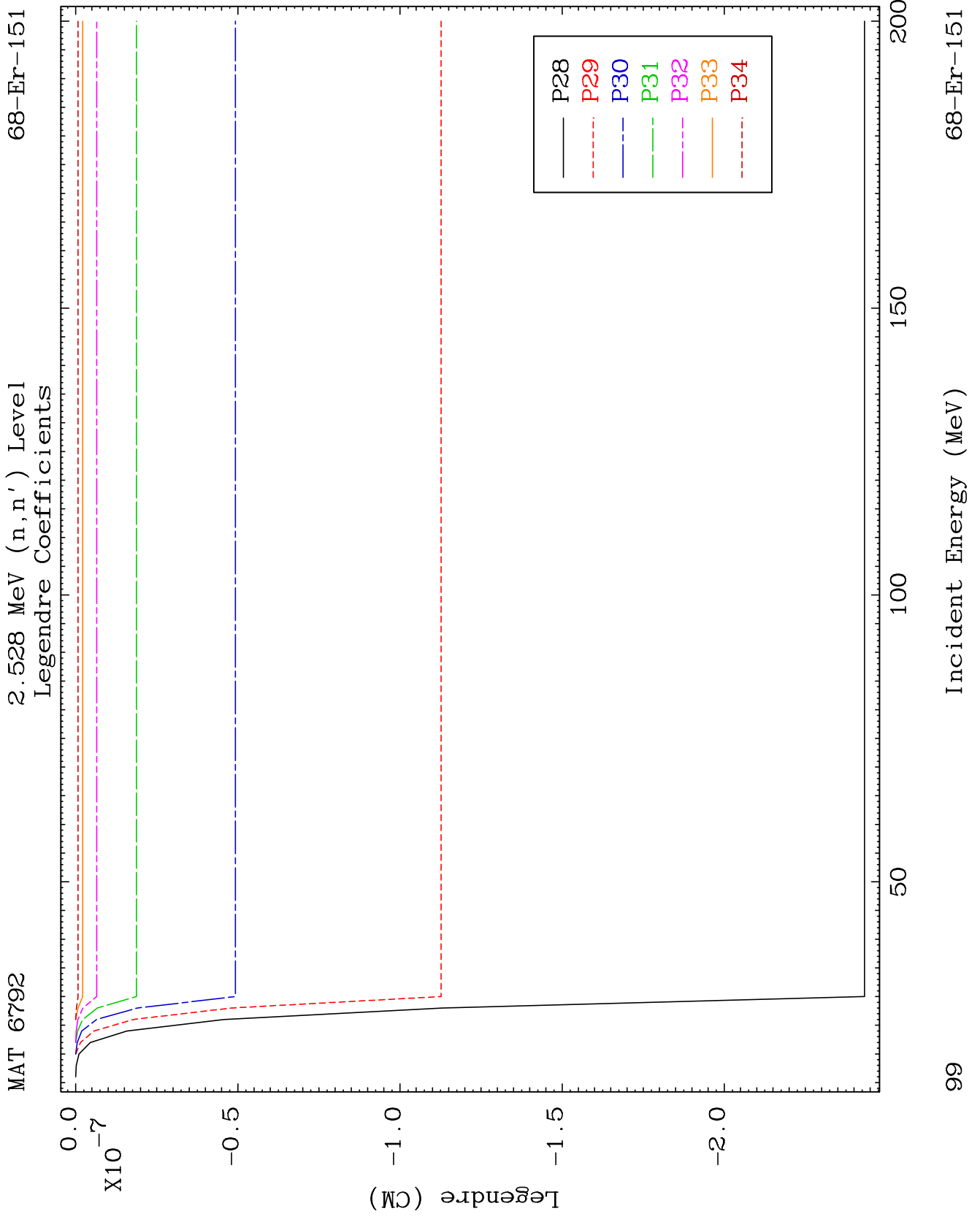








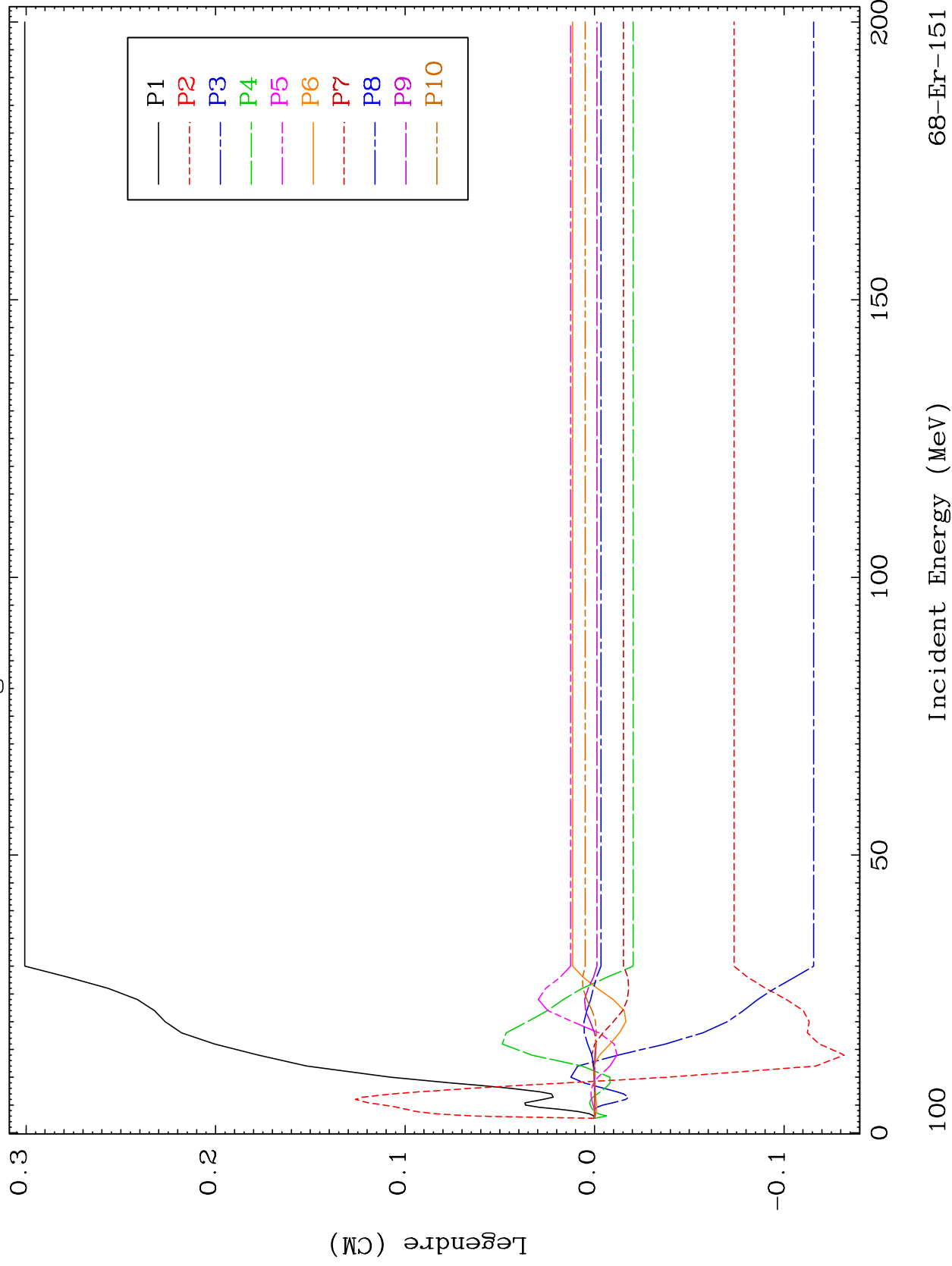




MAT 6792

2.586 MeV (n, n') Level  
Legendre Coefficients

68-Er-151



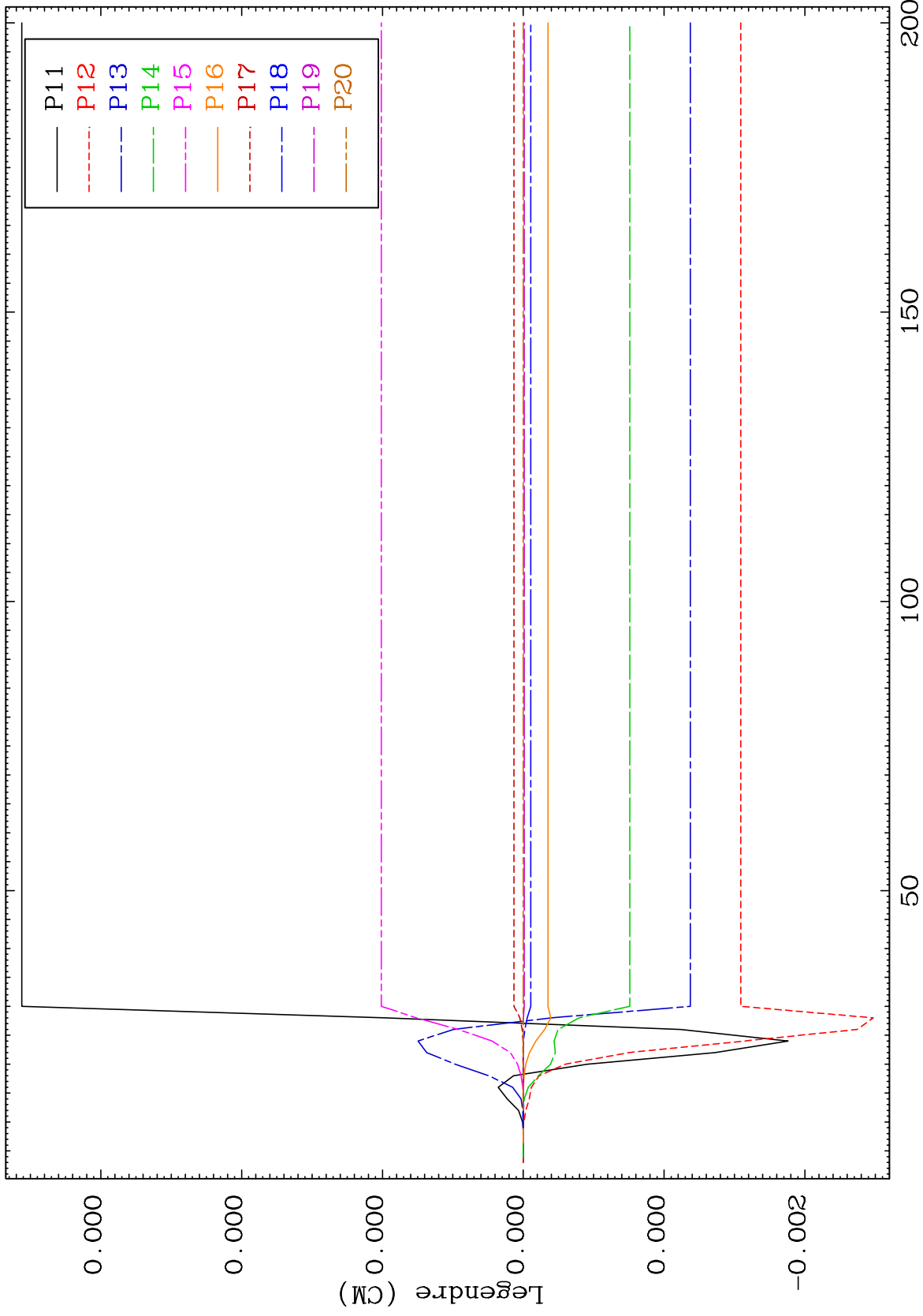
68-Er-151

Incident Energy (MeV)

MAT 6792

2.586 MeV (n,n') Level  
Legendre Coefficients

68-Er-151



101

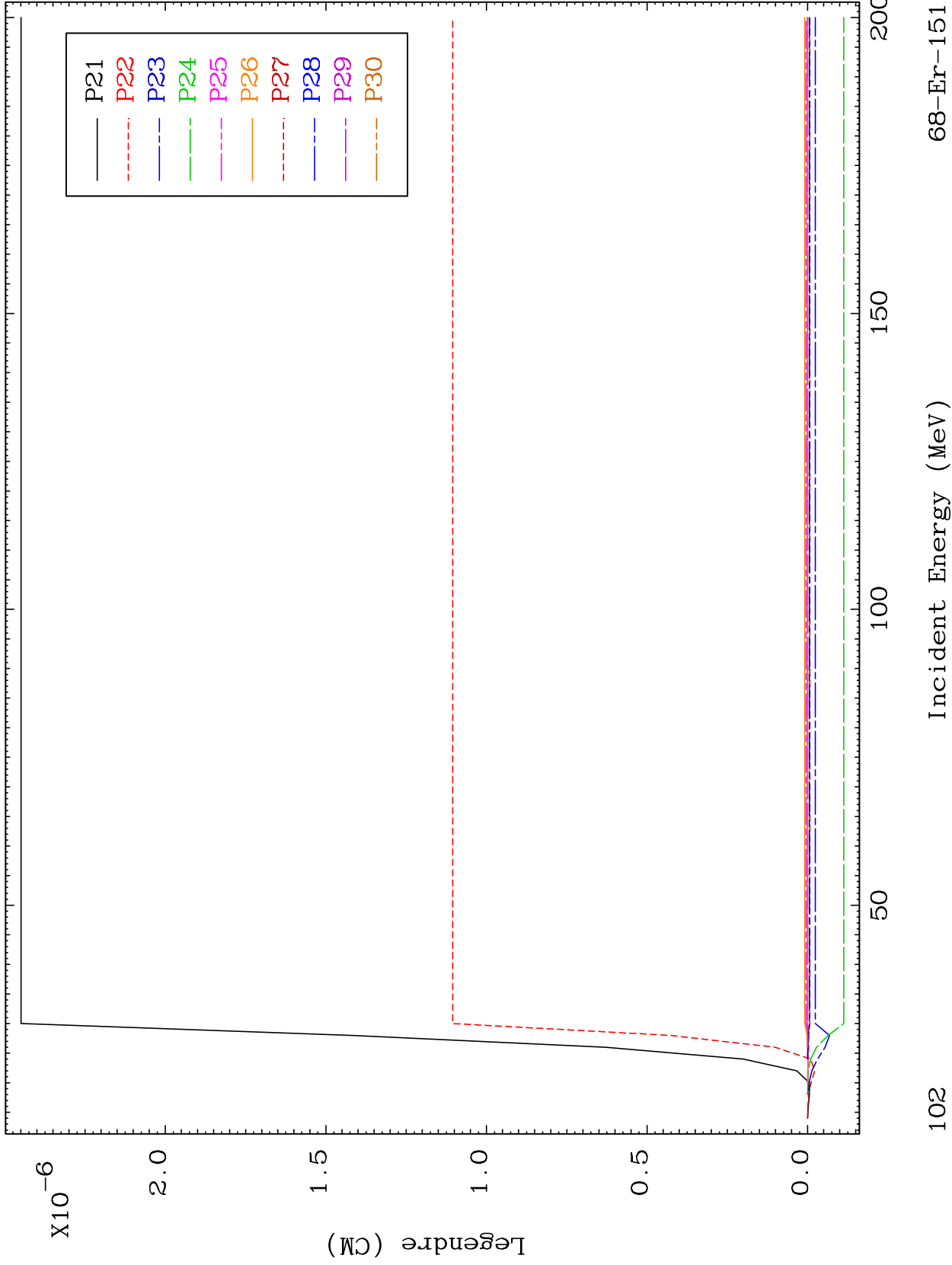
Incident Energy (MeV)

68-Er-151

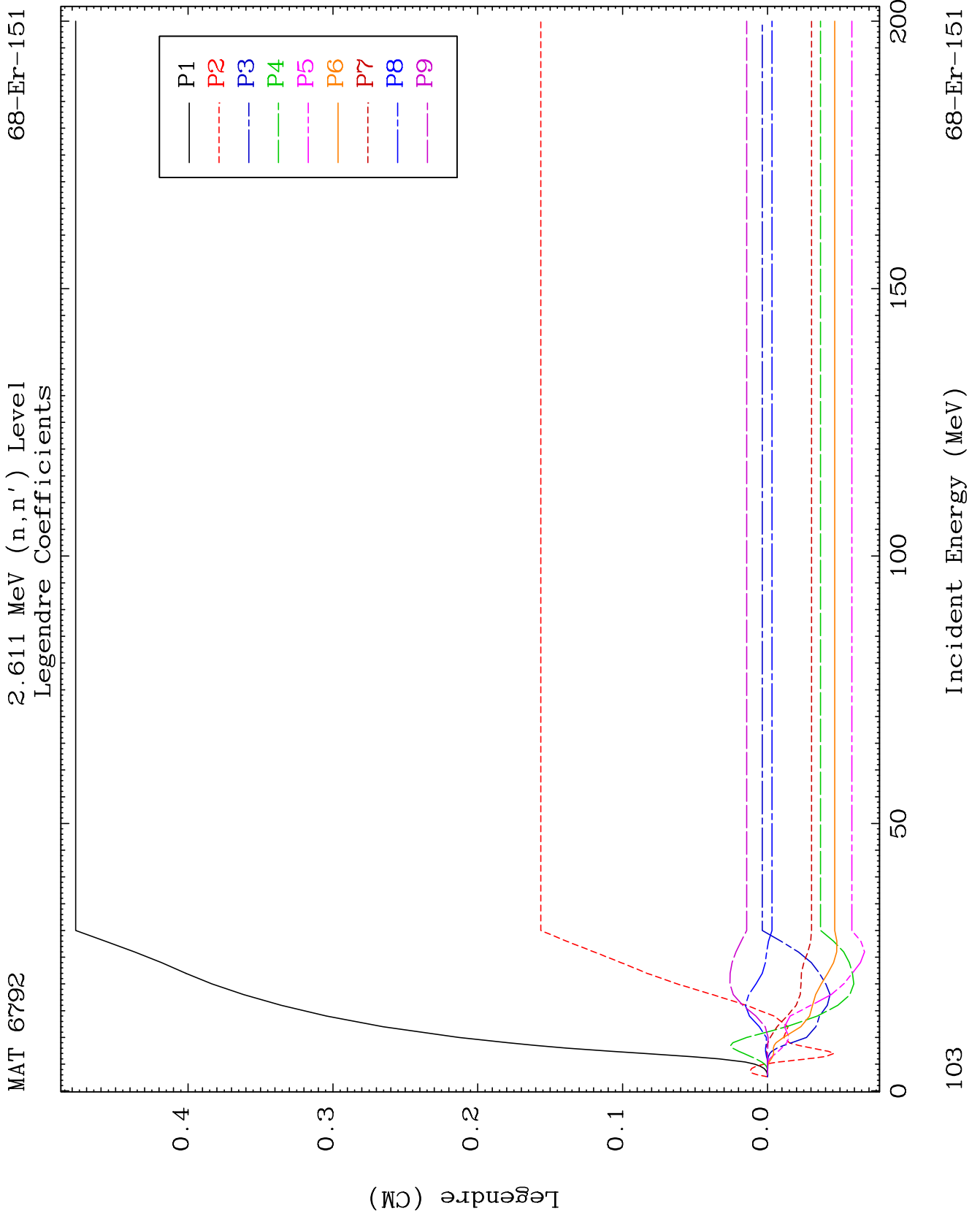
MAT 6792

2.586 MeV (n,n') Level  
Legendre Coefficients

68-Er-151



102

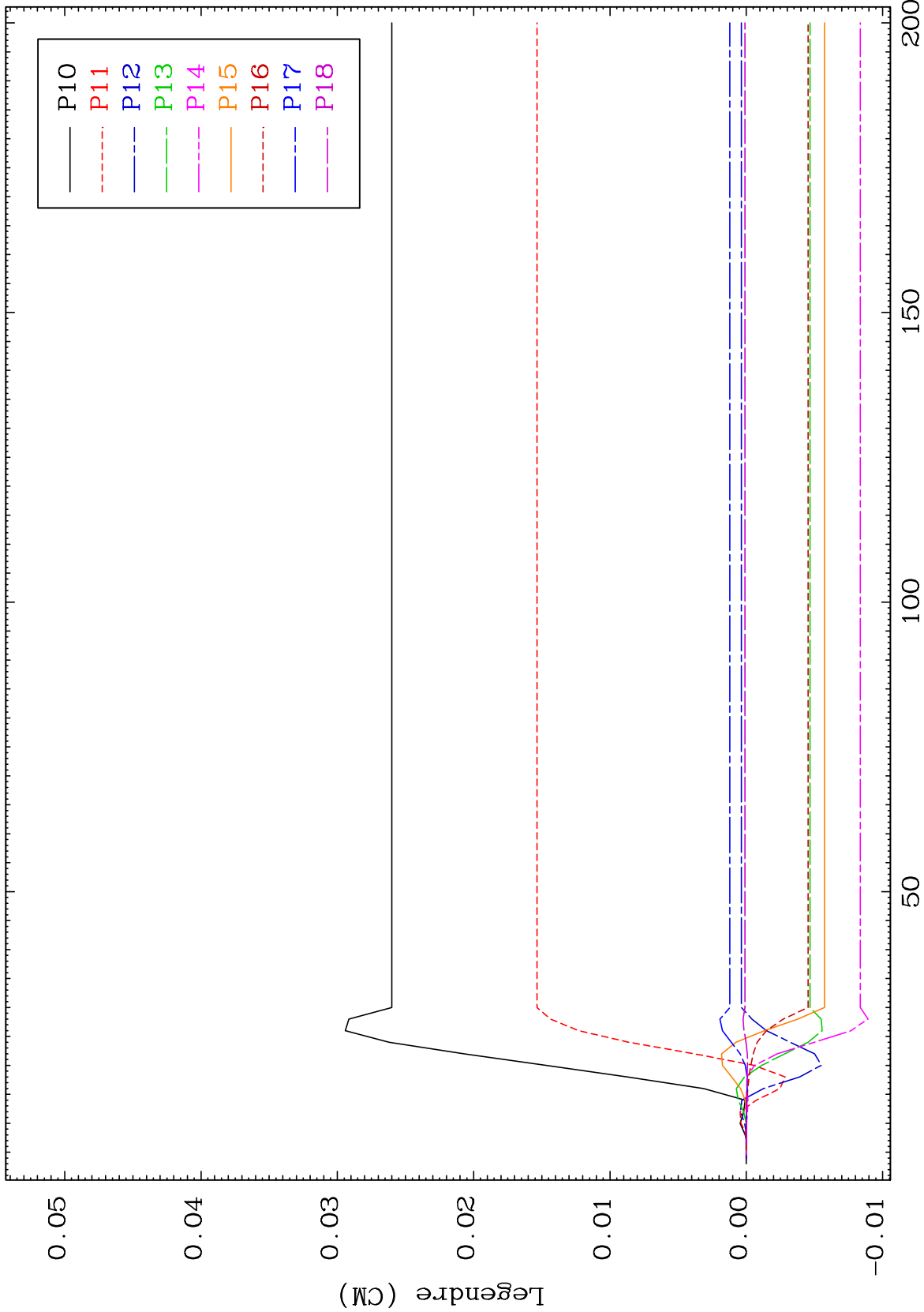




MAT 6792

2.611 MeV (n,n') Level  
Legendre Coefficients

68-Er-151



104

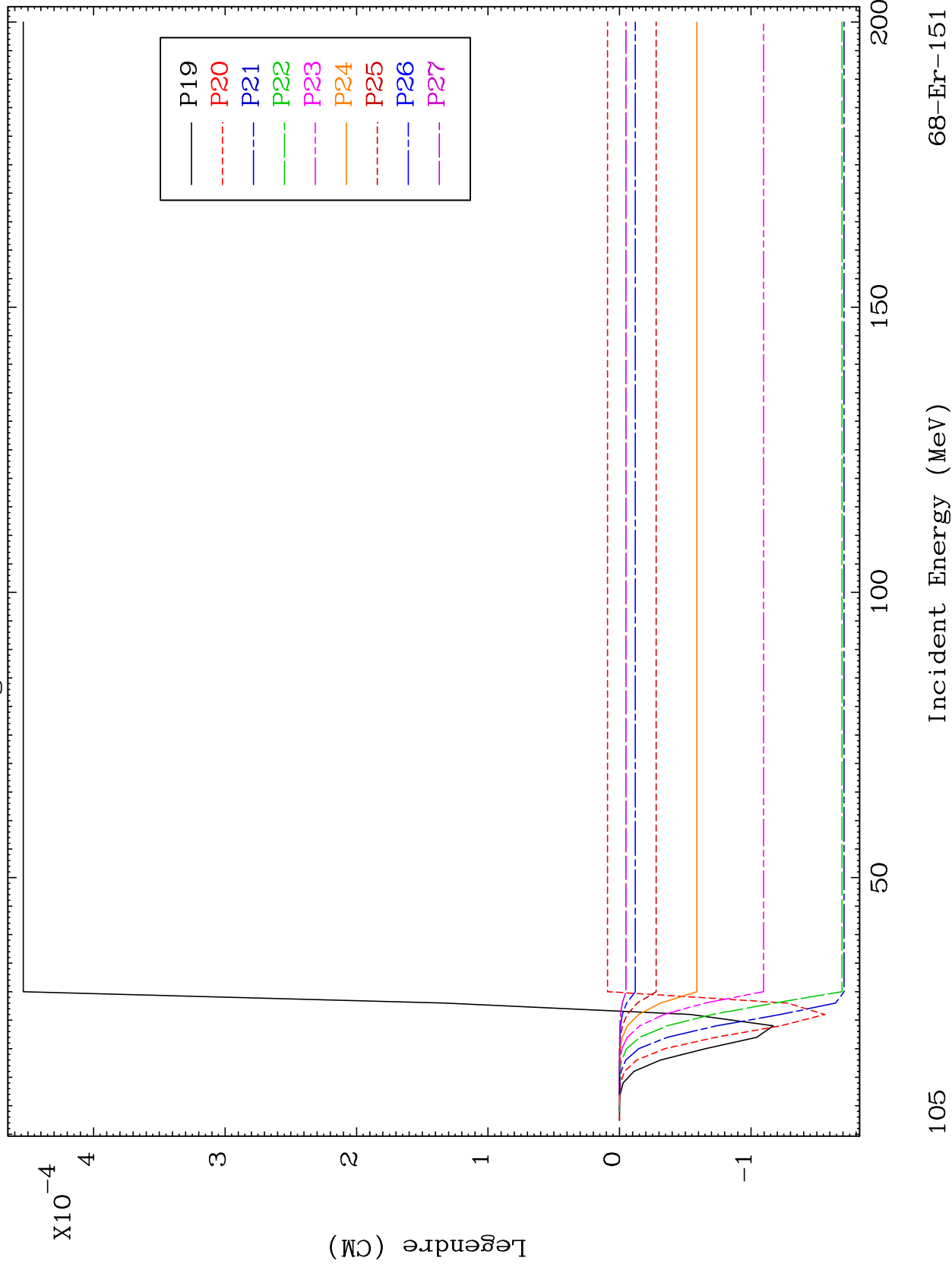
Incident Energy (MeV)

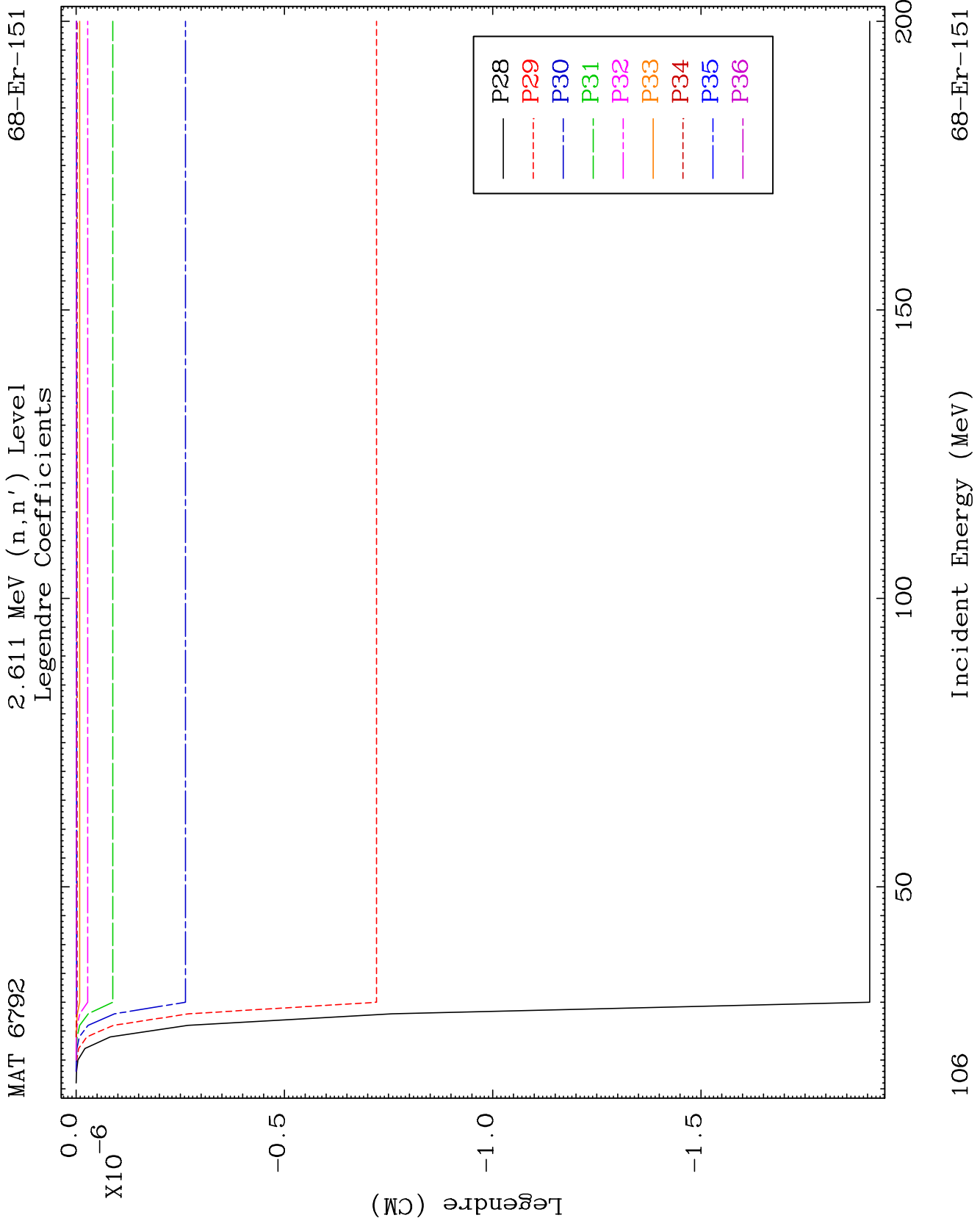
68-Er-151

MAT 6792

2.611 MeV (n, n') Level  
Legendre Coefficients

68-Er-151

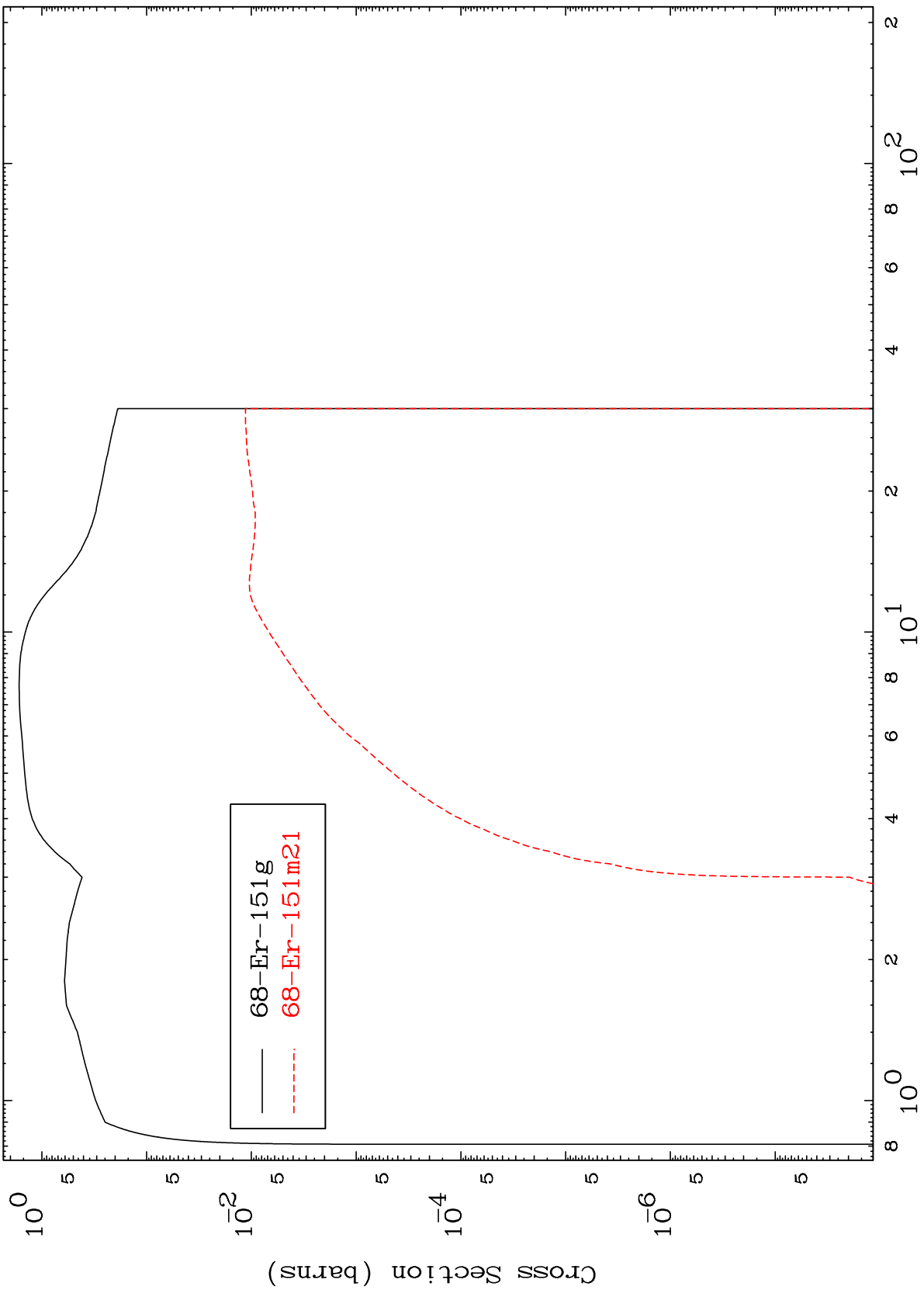




MAT 6792

68-Er-151

Inelastic  
Radionuclide Production Cross Section

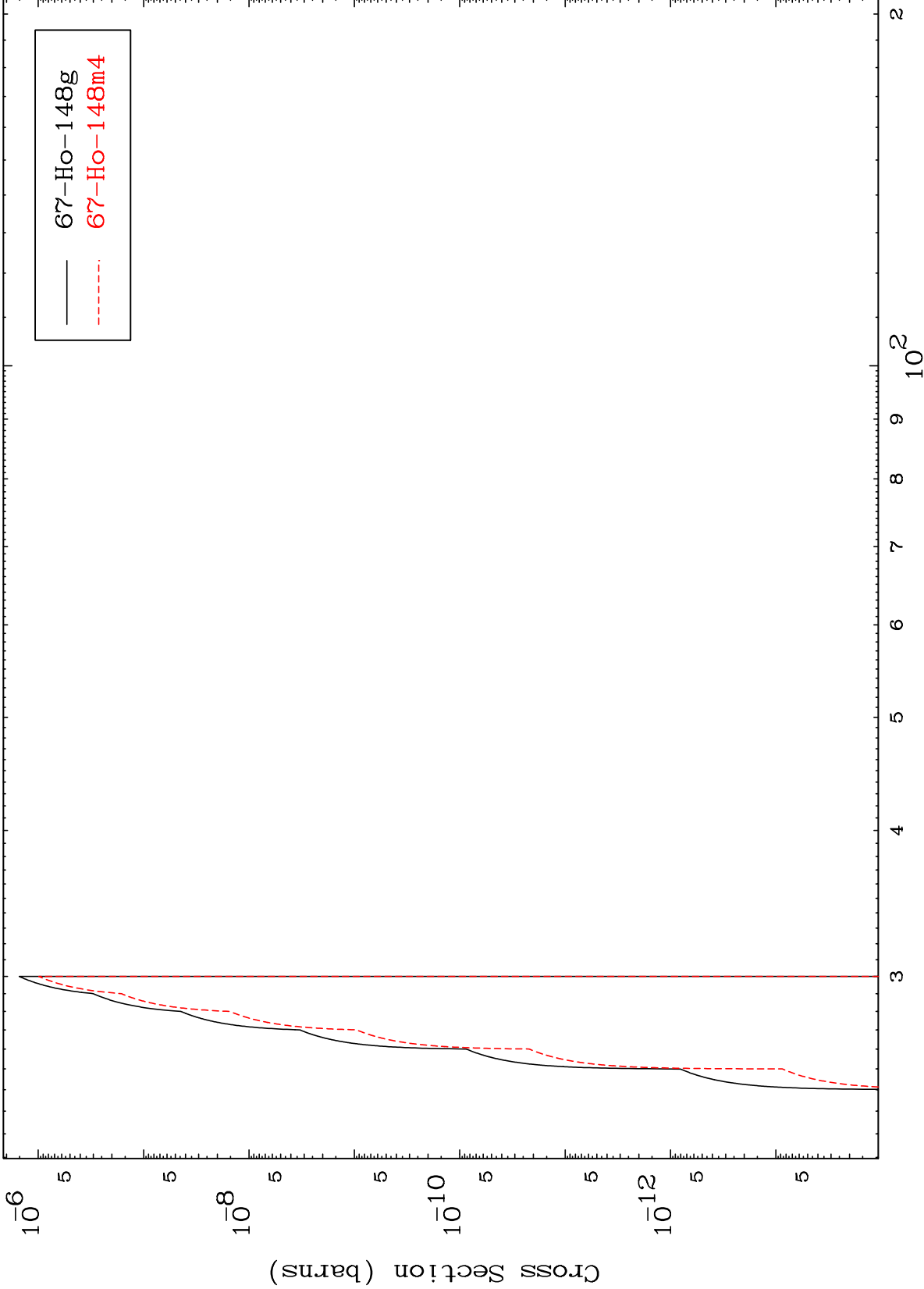


107

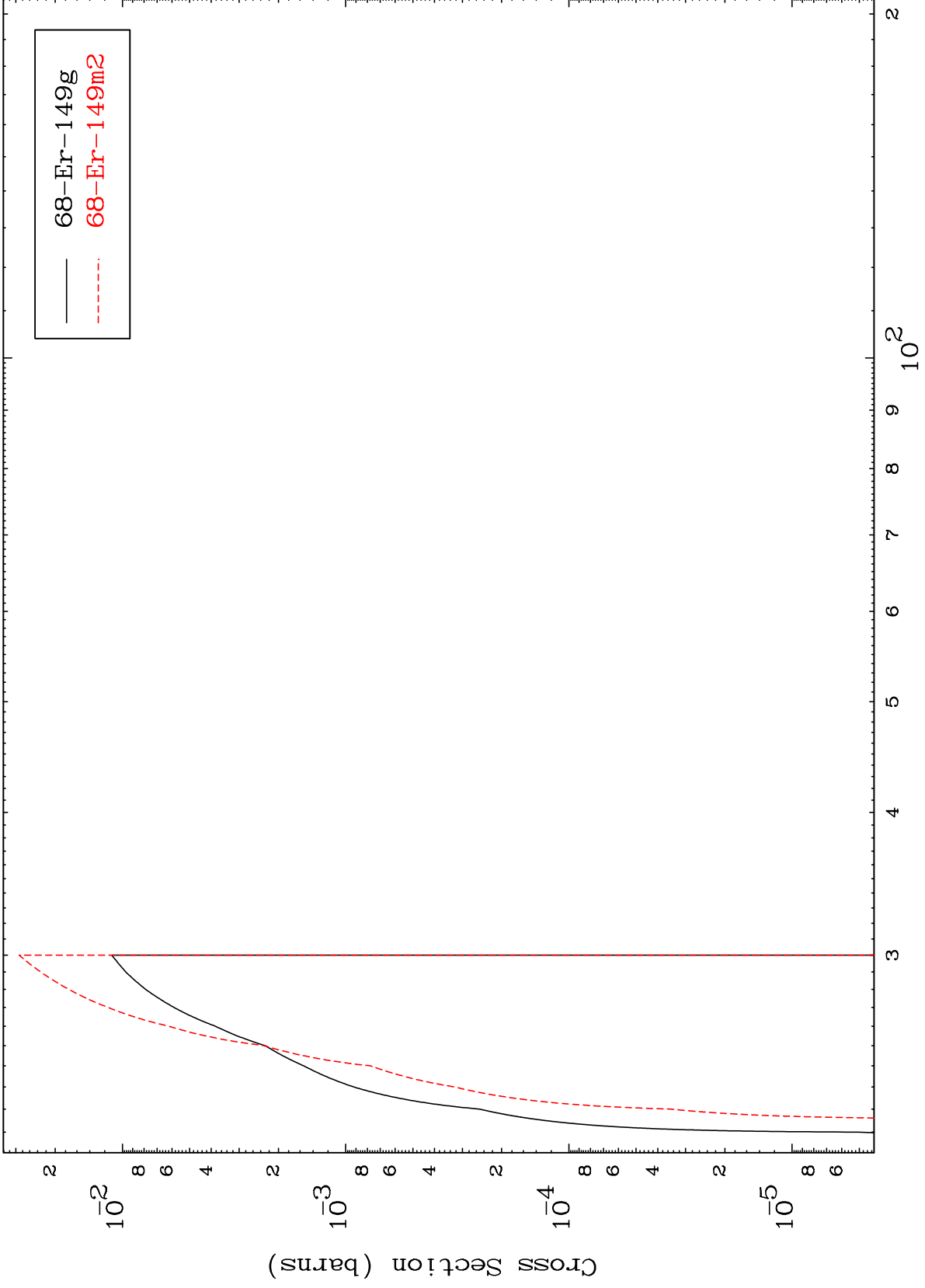
Incident Energy (MeV)

68-Er-151

Radionuclide Production Cross Section



(n,3n)  
Radionuclide Production Cross Section

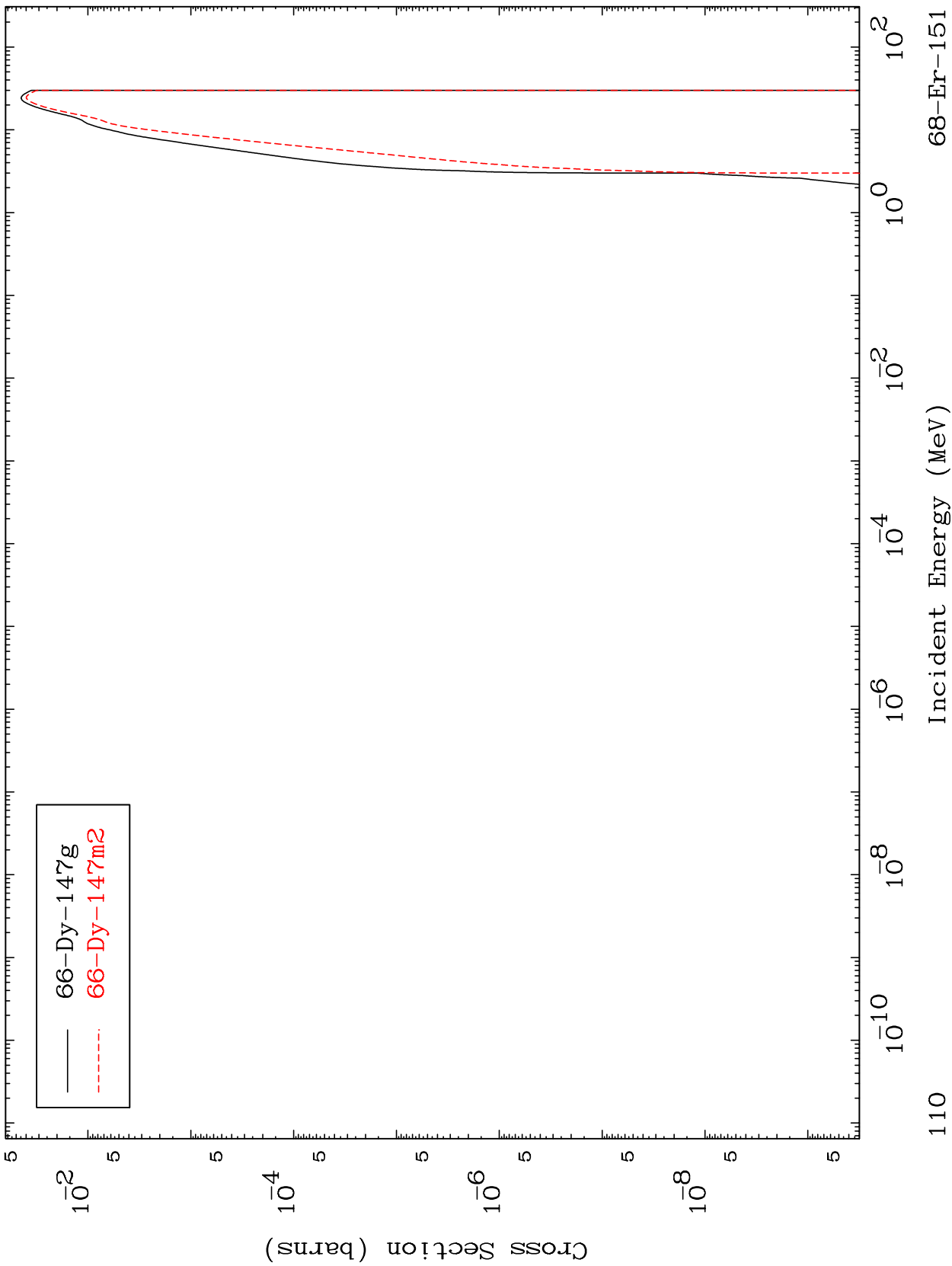


MAT 6792

$(n, n') \alpha$

68-Er-151

Radionuclide Production Cross Section



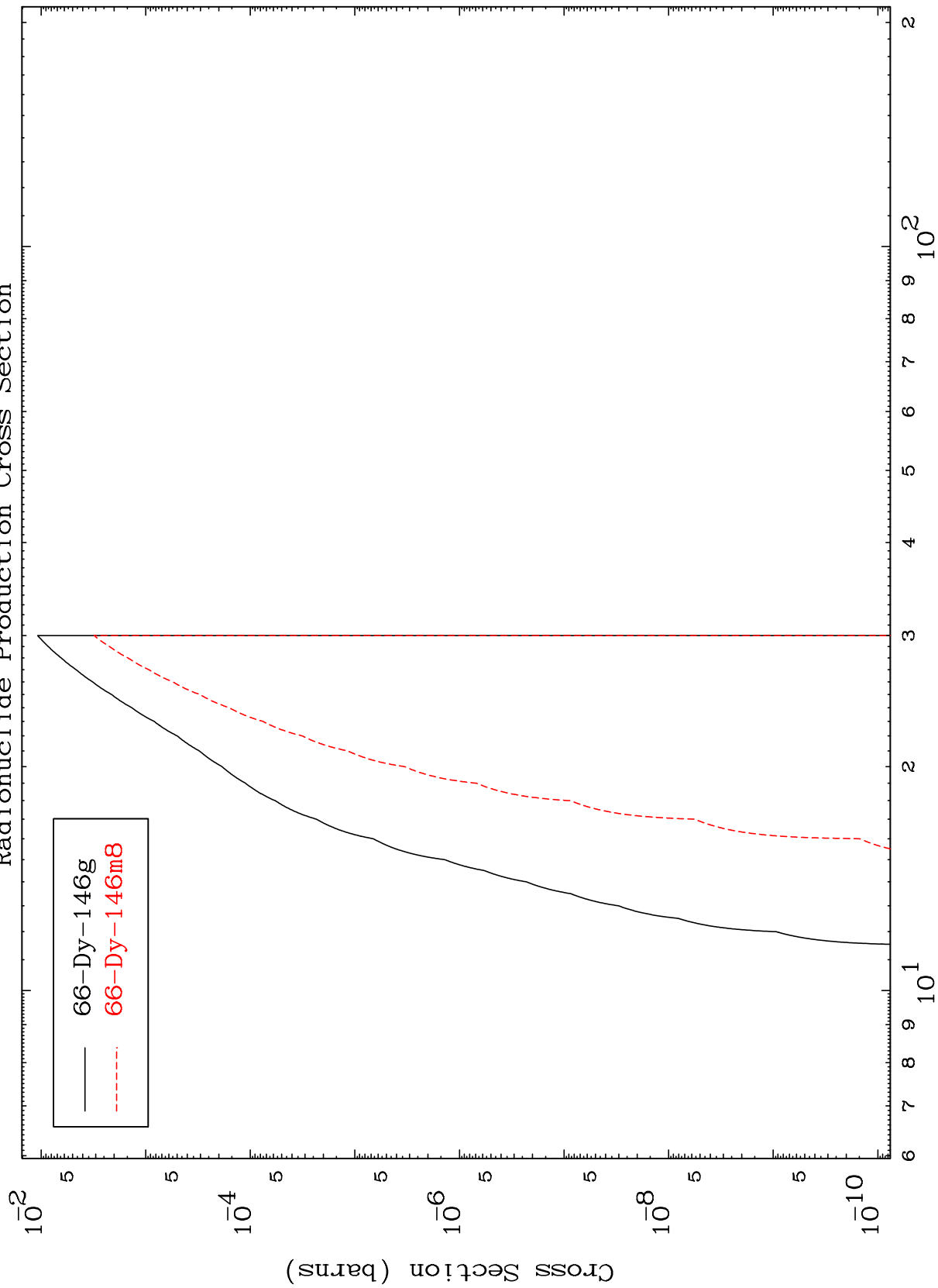
66-Dy-147g  
66-Dy-147m2

MAT 6792

(n,2n)  $\alpha$

68-Er-151

Radionuclide Production Cross Section



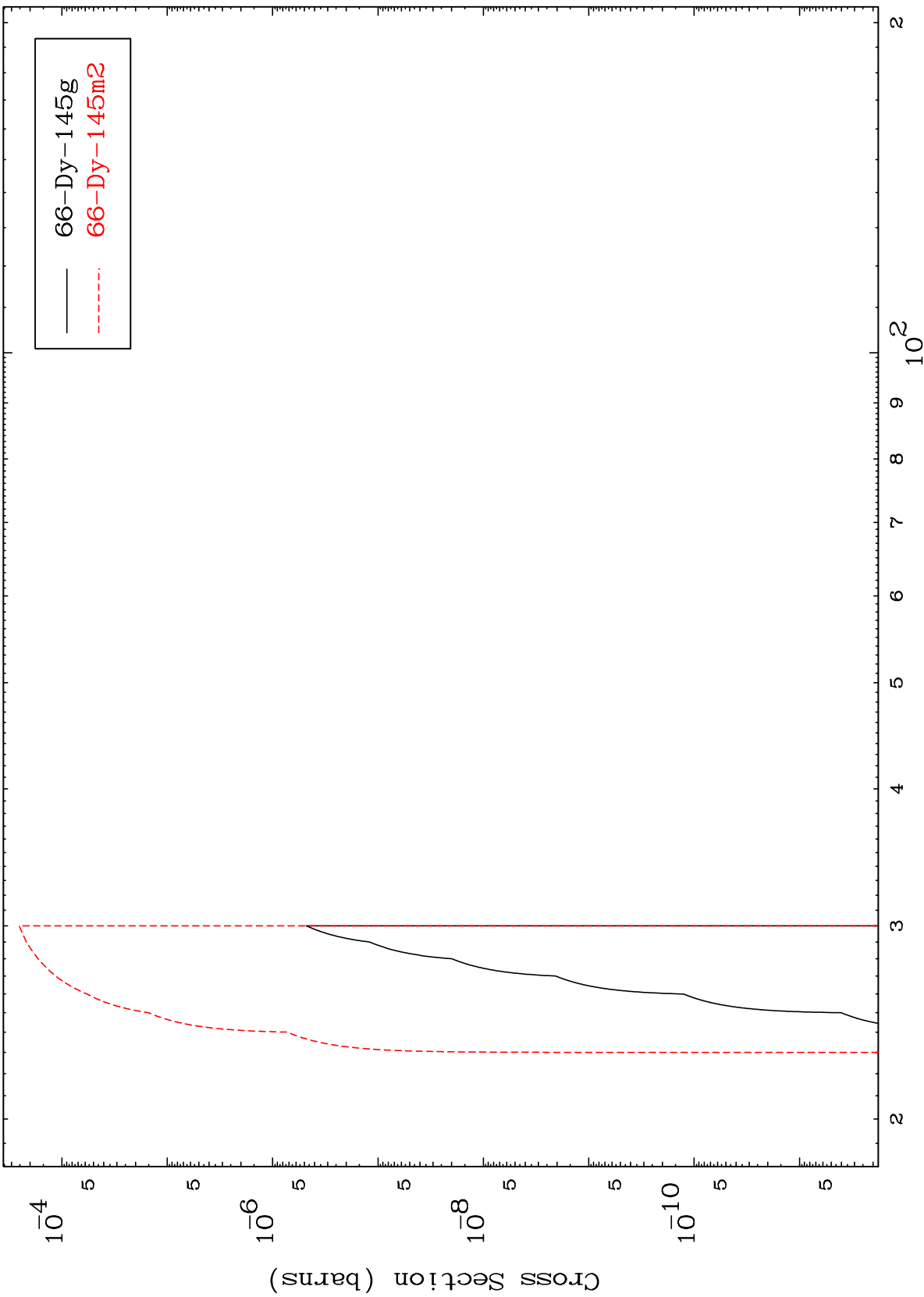
111

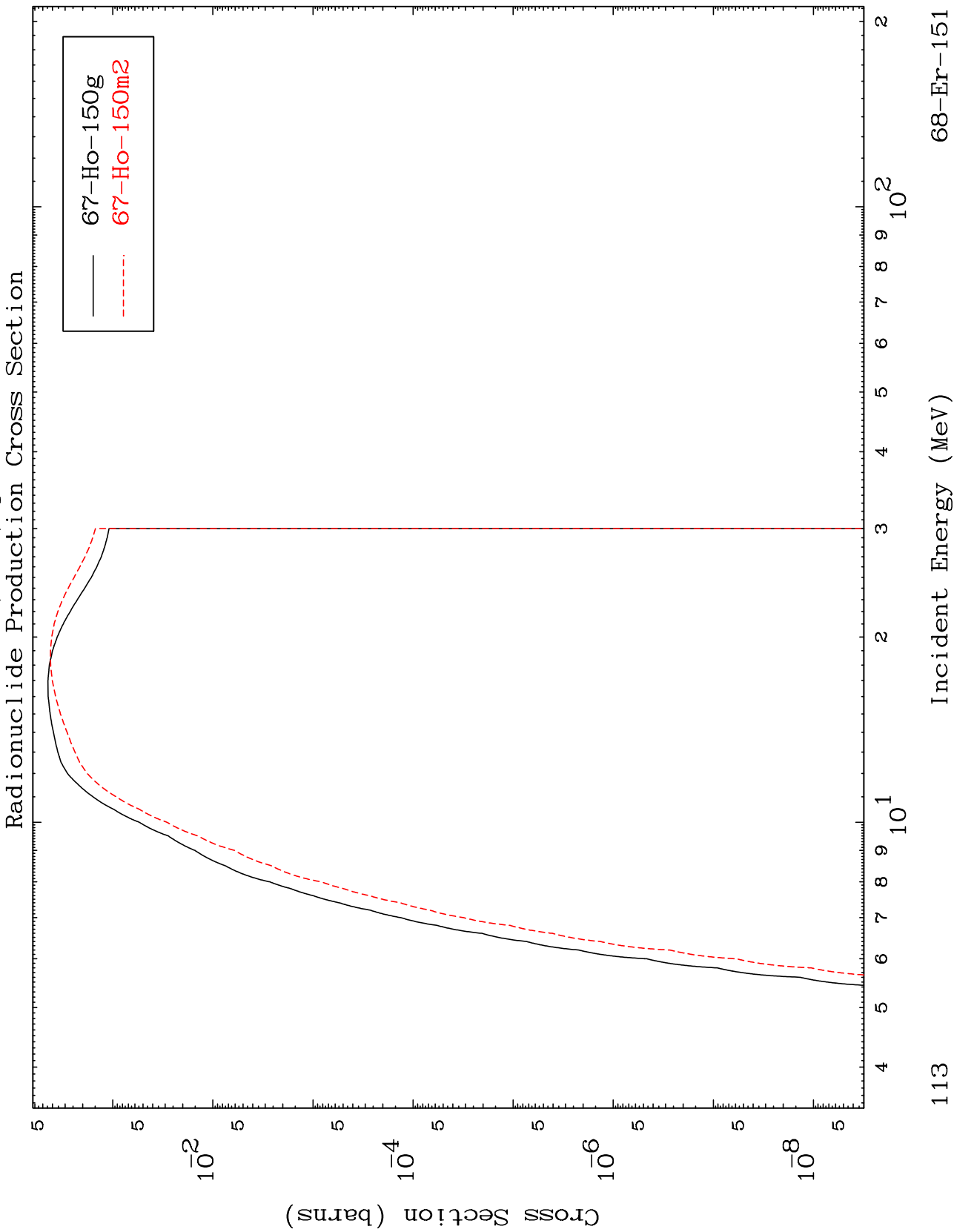
Incident Energy (MeV)

68-Er-151



Radionuclide Production Cross Section



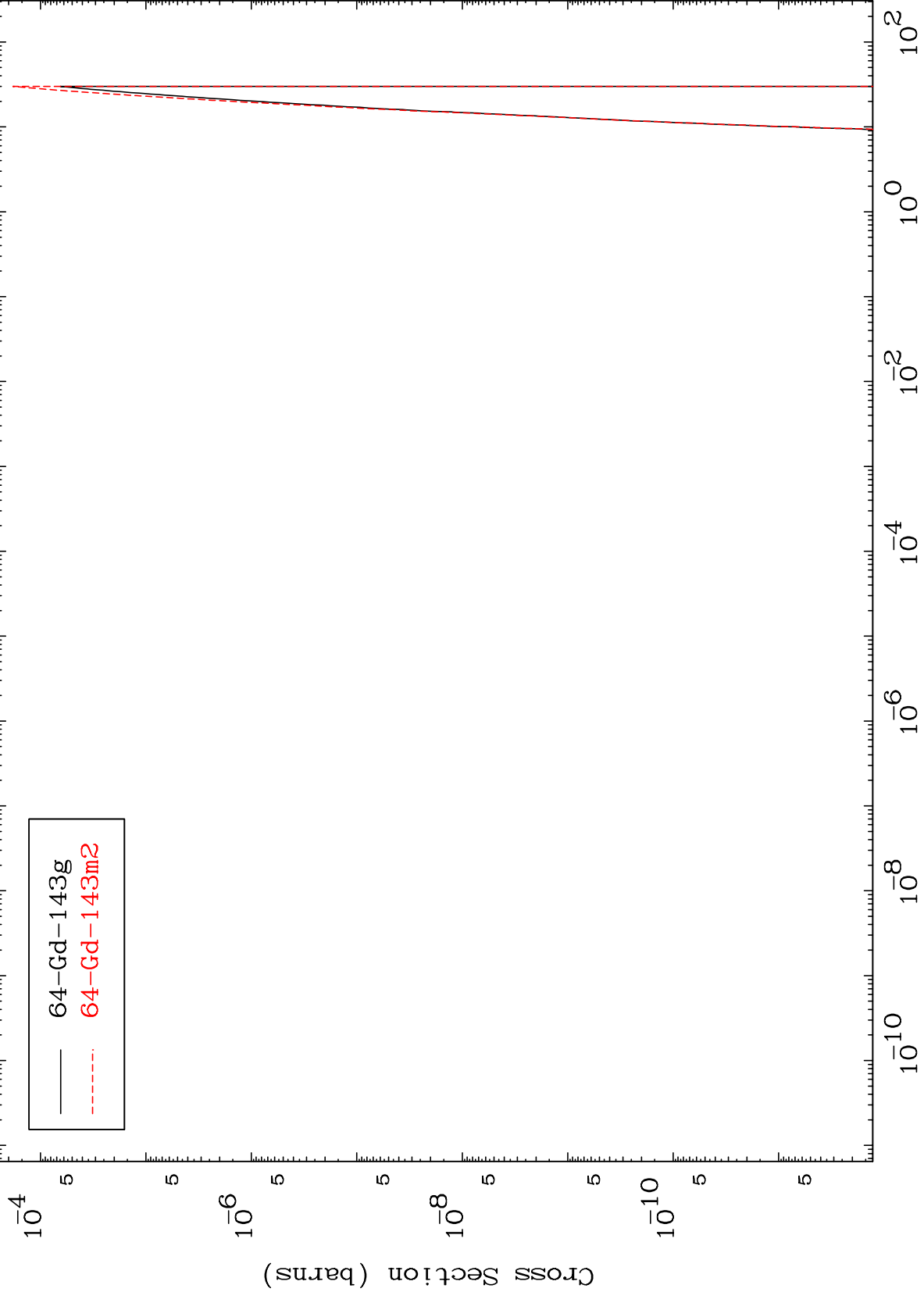


MAT 6792

(n,n') 2α

68-Er-151

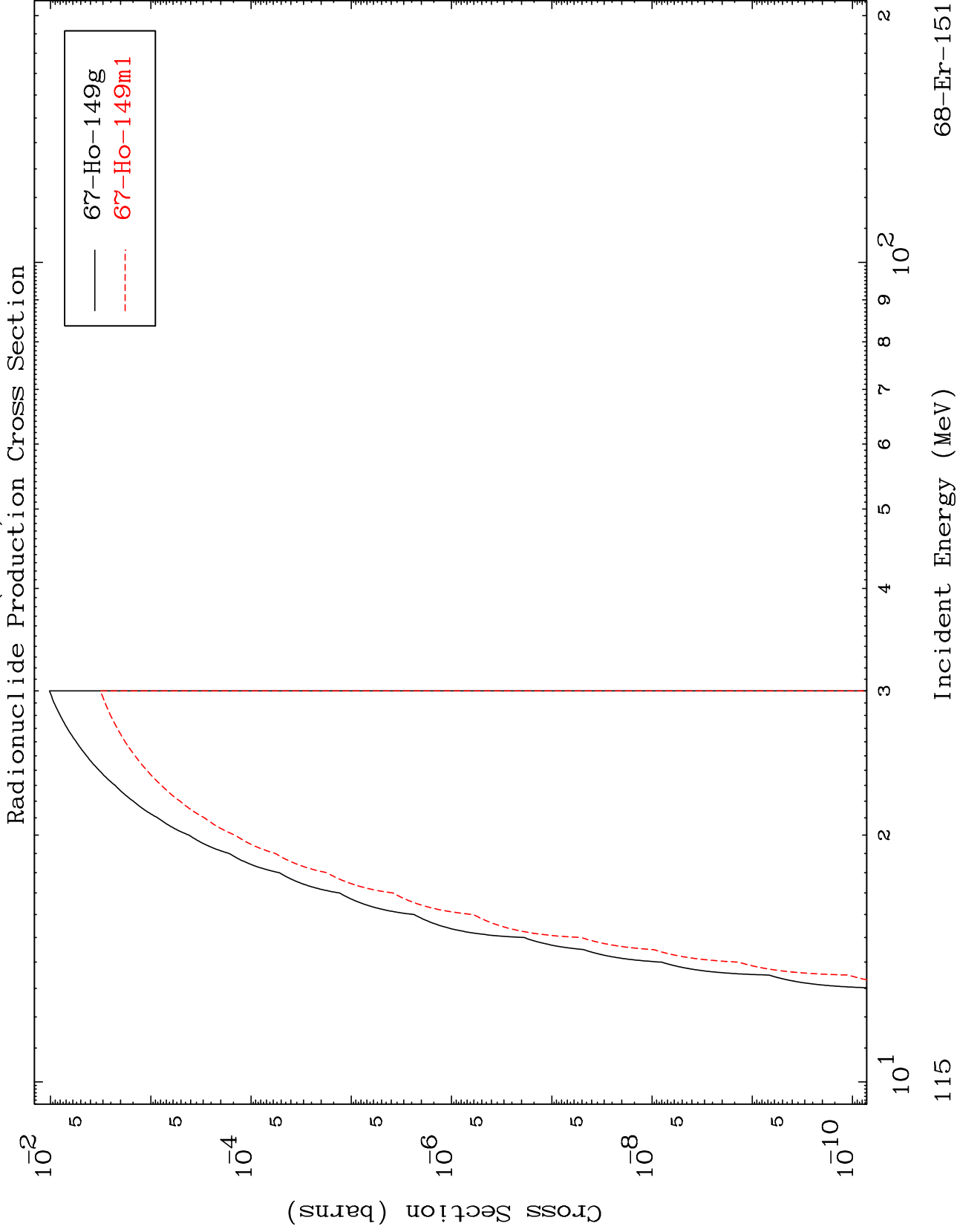
Radionuclide Production Cross Section



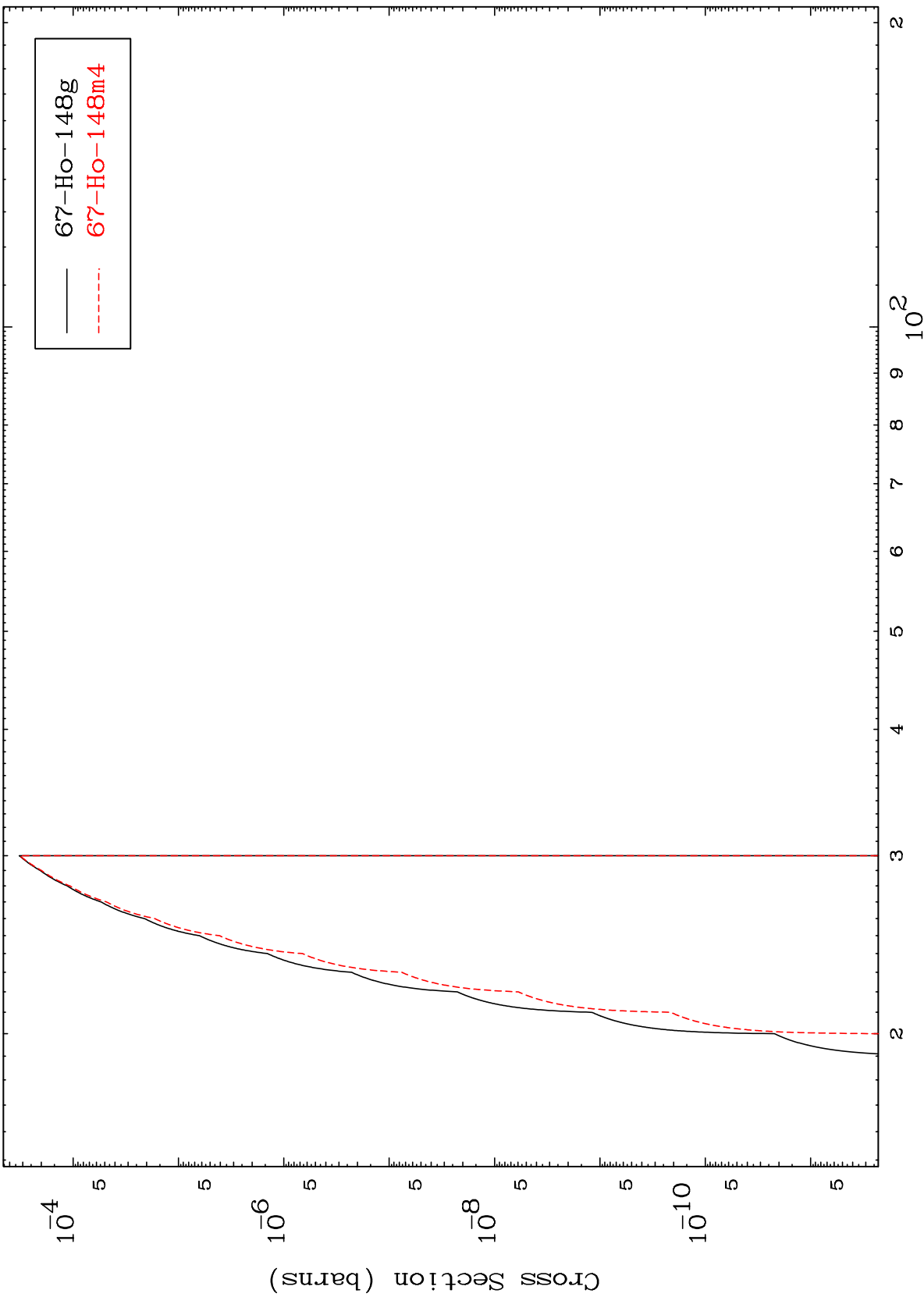
MAT 6792

(n,n') d

68-Er-151

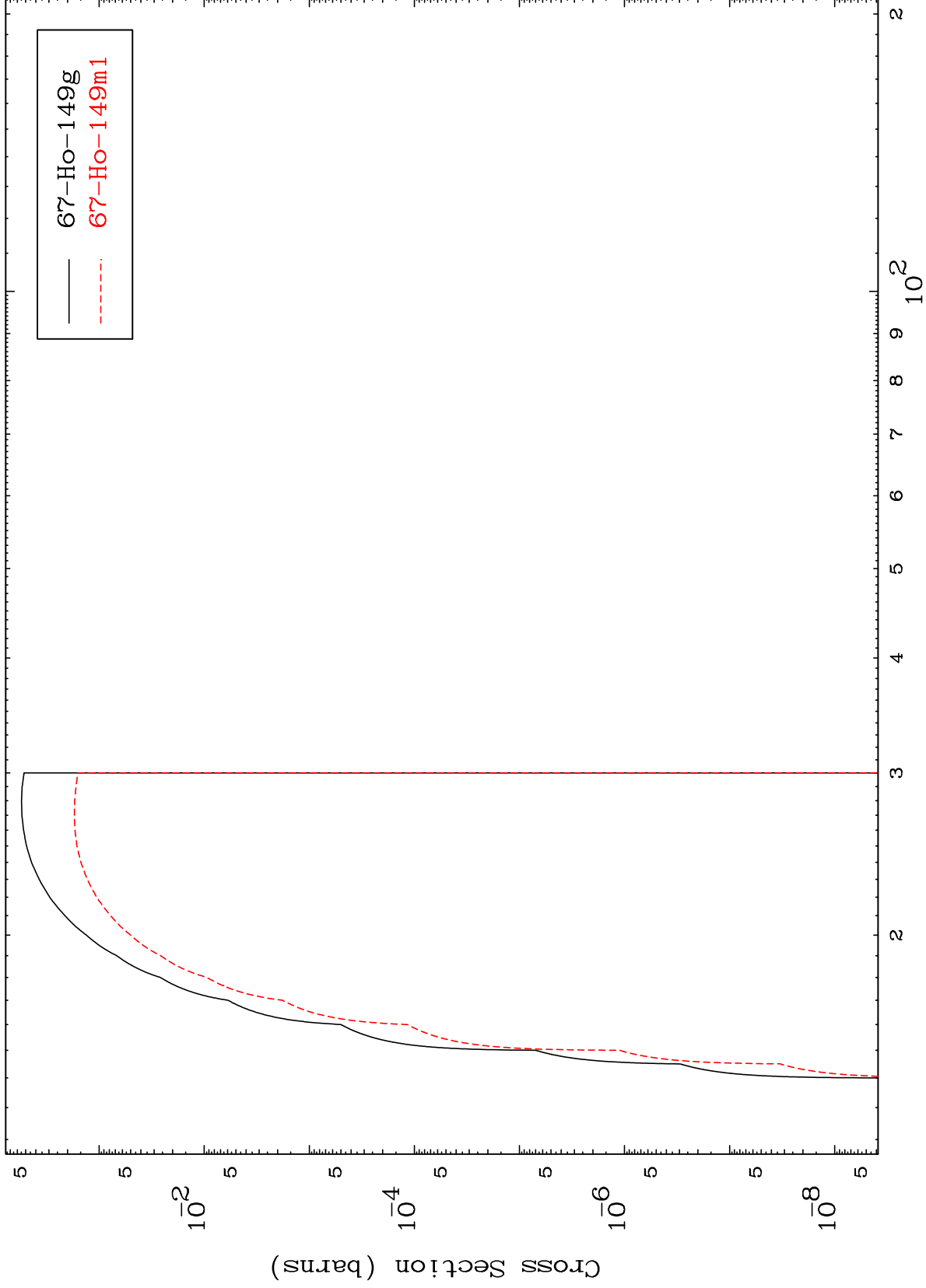


Radionuclide Production Cross Section

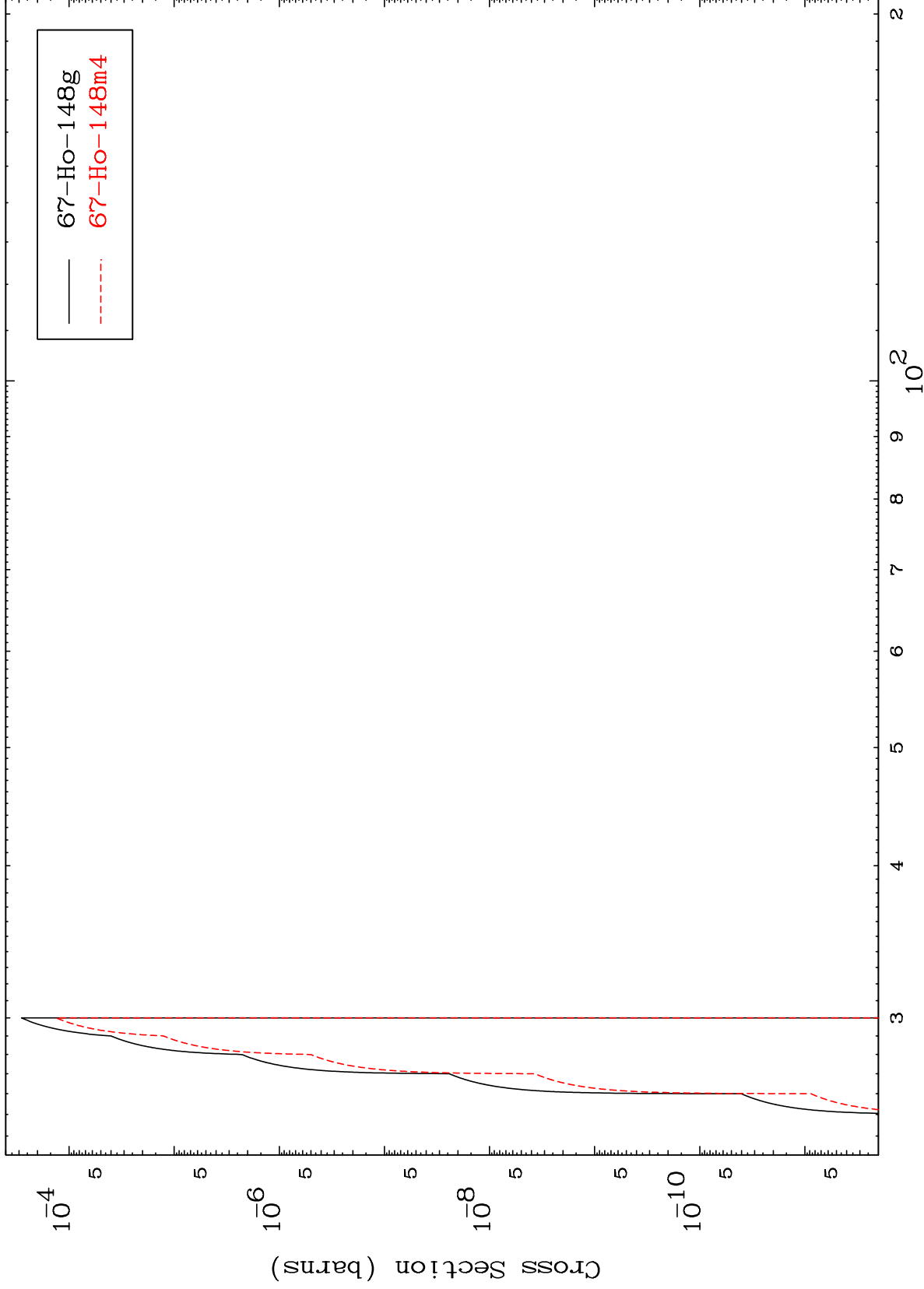


67-Ho-148g  
67-Ho-148m4

Radionuclide Production Cross Section



Radionuclide Production Cross Section

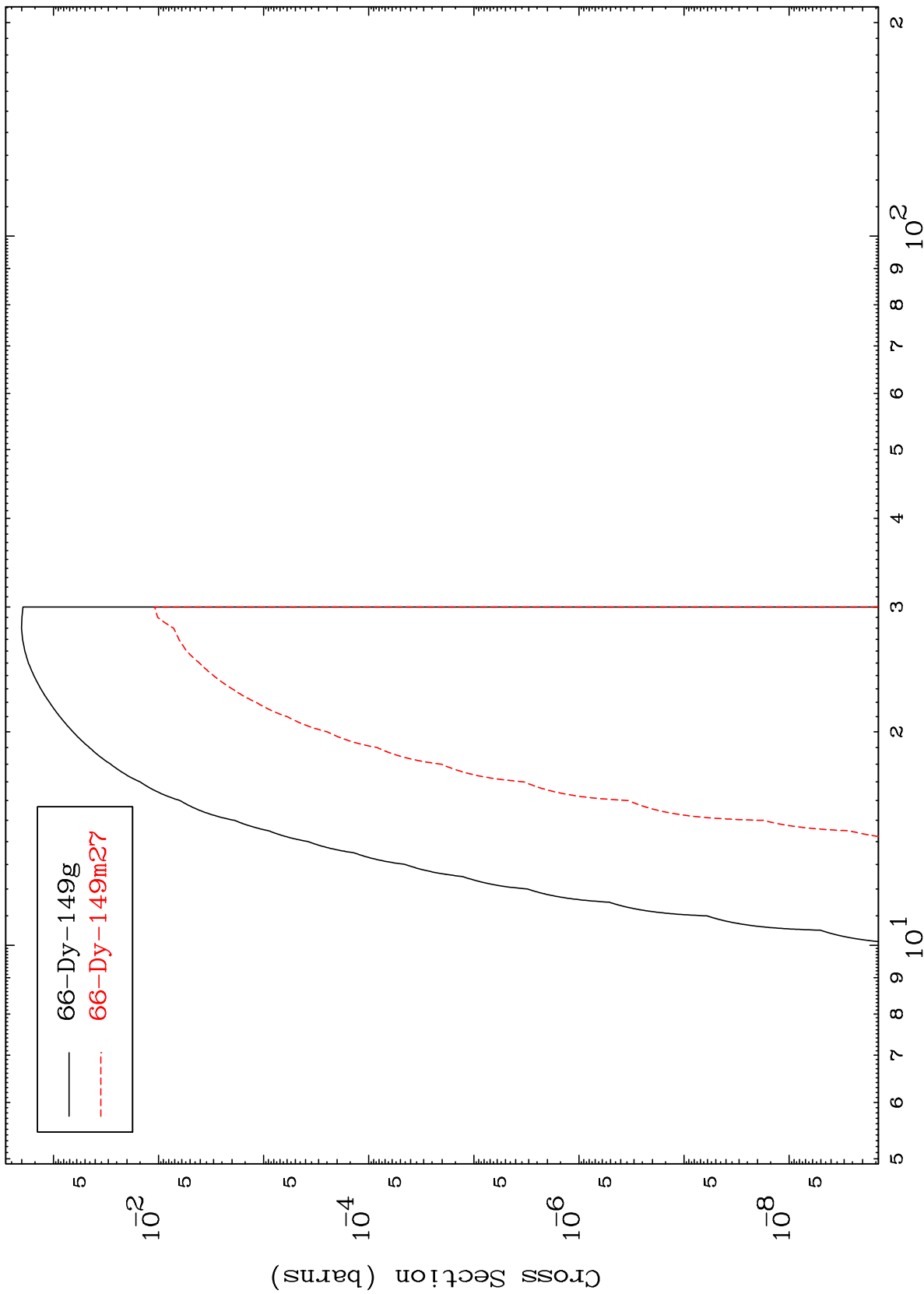


MAT 6792

$(n,2n)$  p

68-Er-151

Radionuclide Production Cross Section



66-Dy-149g  
66-Dy-149m27

119

Incident Energy (MeV)

68-Er-151

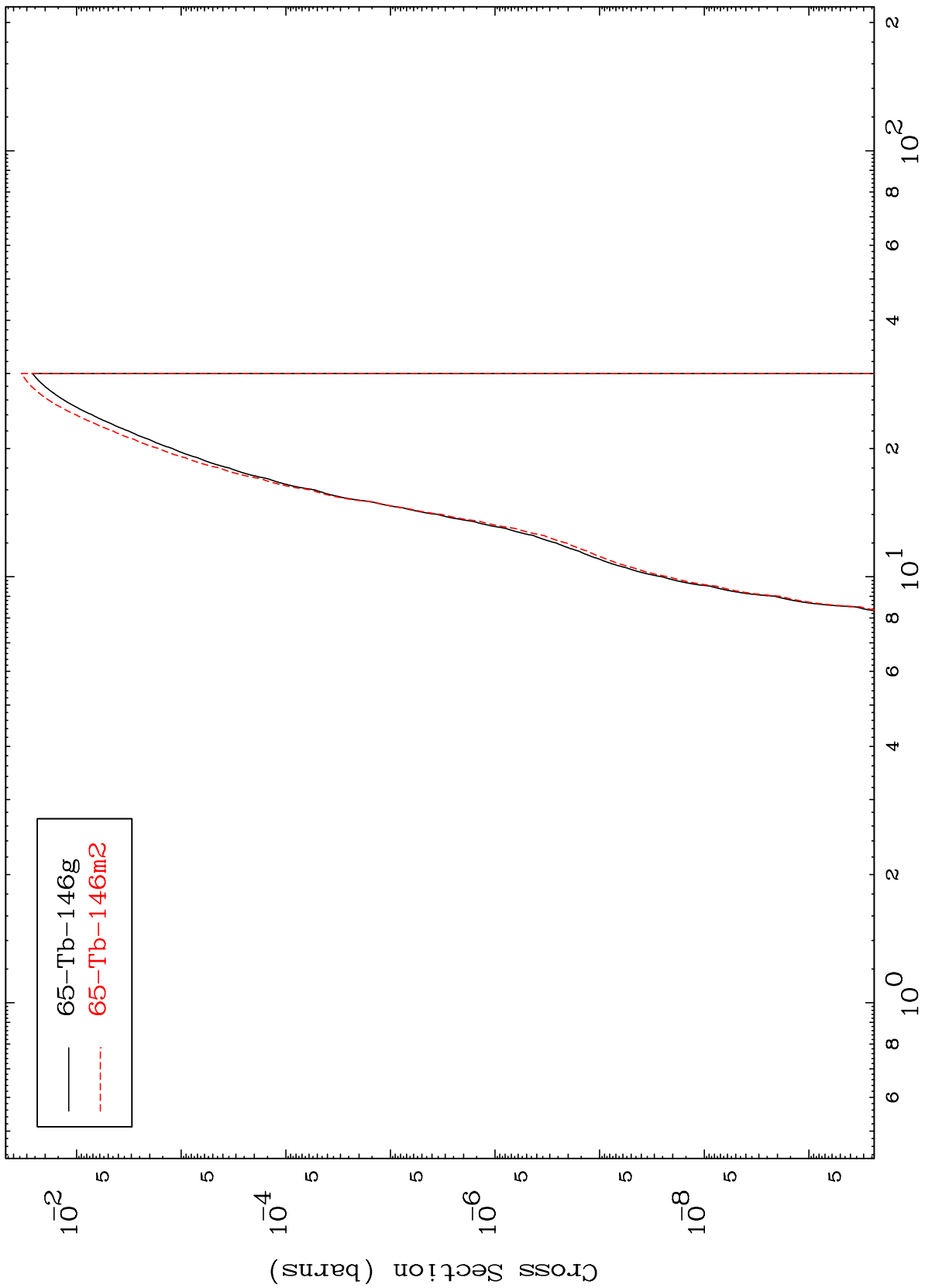


MAT 6792

(n,n') p  $\alpha$

68-Er-151

Radionuclide Production Cross Section



120

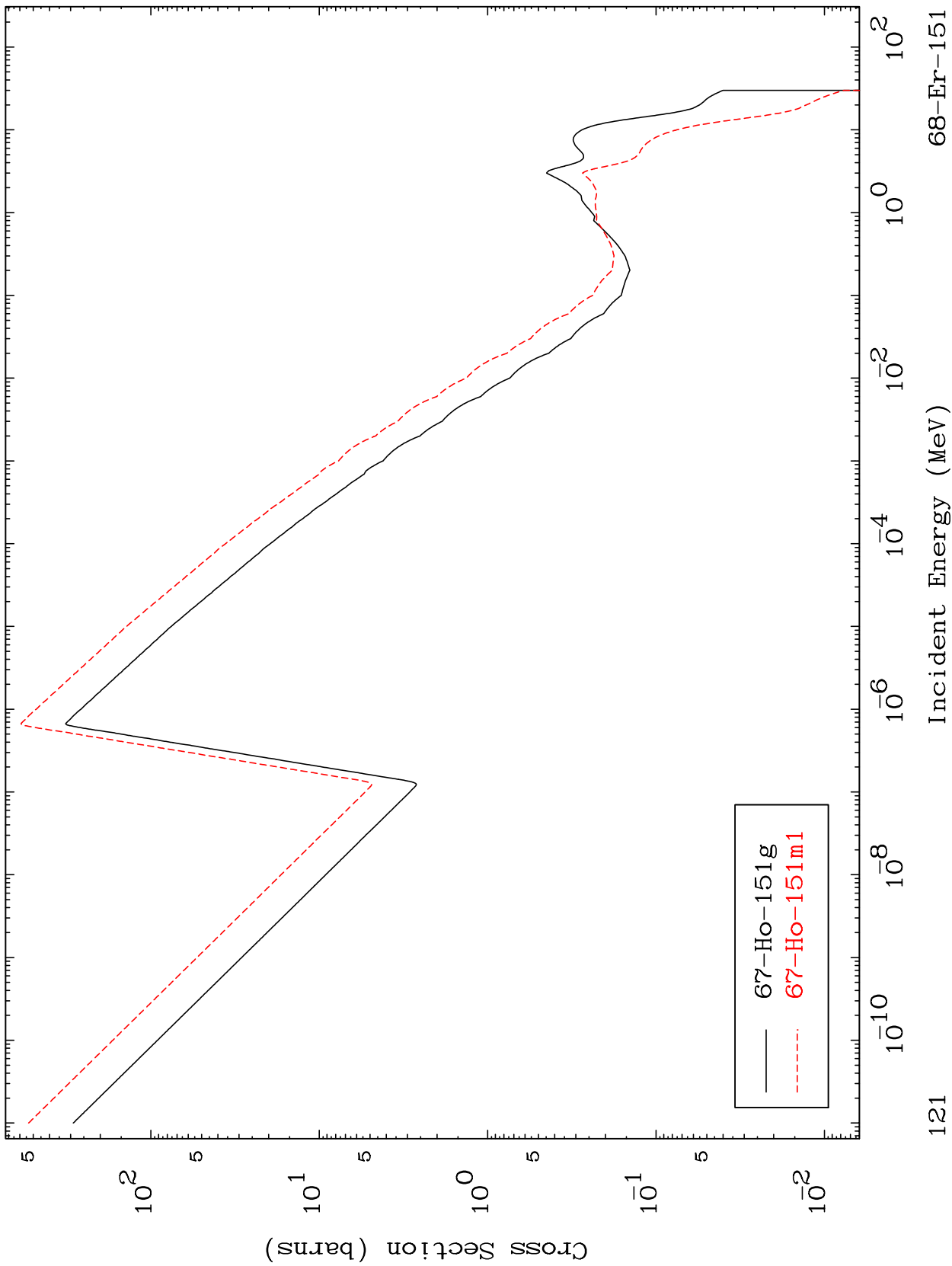
Incident Energy (MeV)

68-Er-151

MAT 6792

68-Er-151

(n,p)  
Radionuclide Production Cross Section



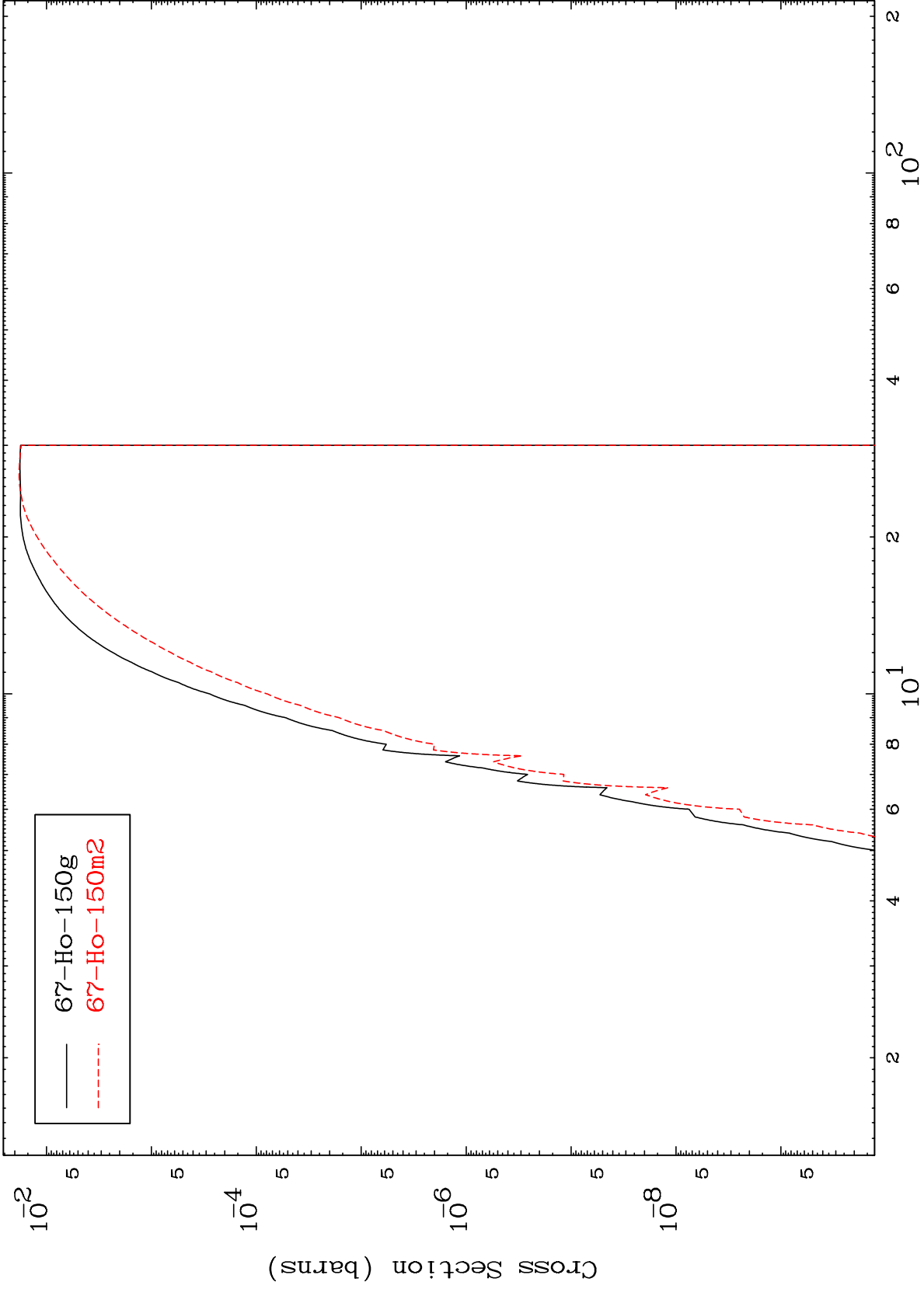
121

68-Er-151

MAT 6792

68-Er-151

(n,d)  
Radionuclide Production Cross Section



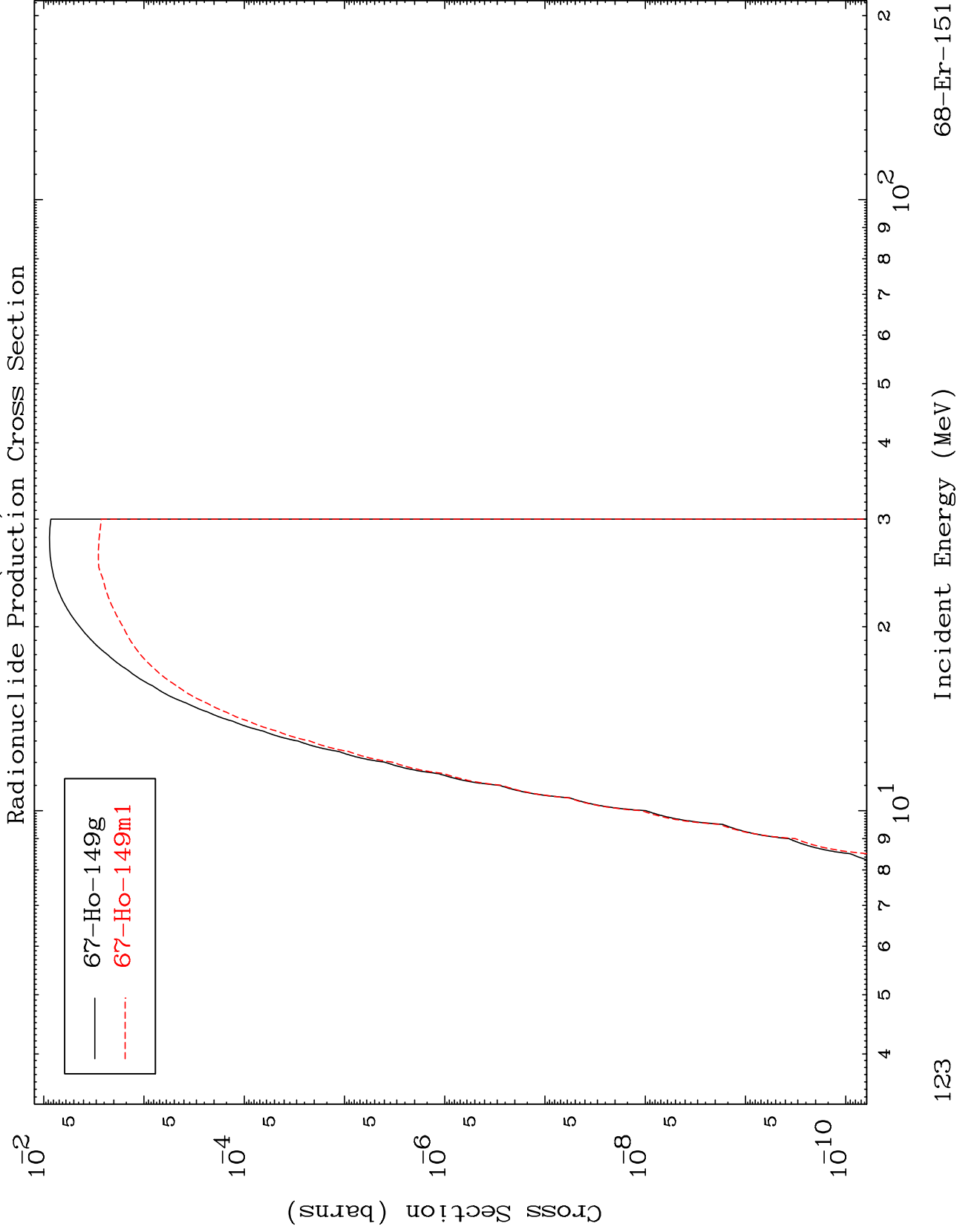
122

Incident Energy (MeV)

68-Er-151

MAT 6792

68-Er-151



123

Incident Energy (MeV)

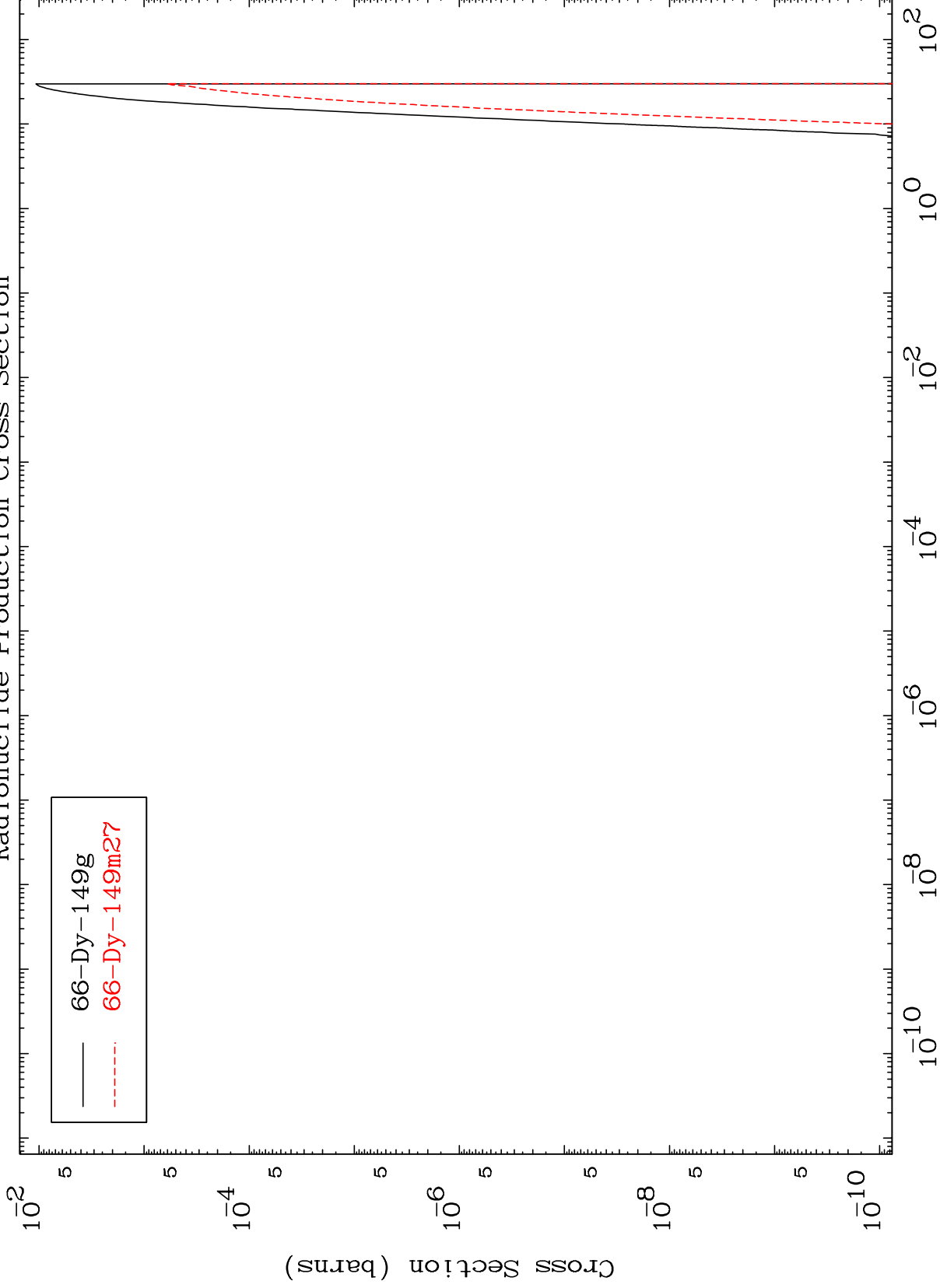
68-Er-151

MAT 6792

(n,He-3)

68-Er-151

Radionuclide Production Cross Section



124

Incident Energy (MeV)

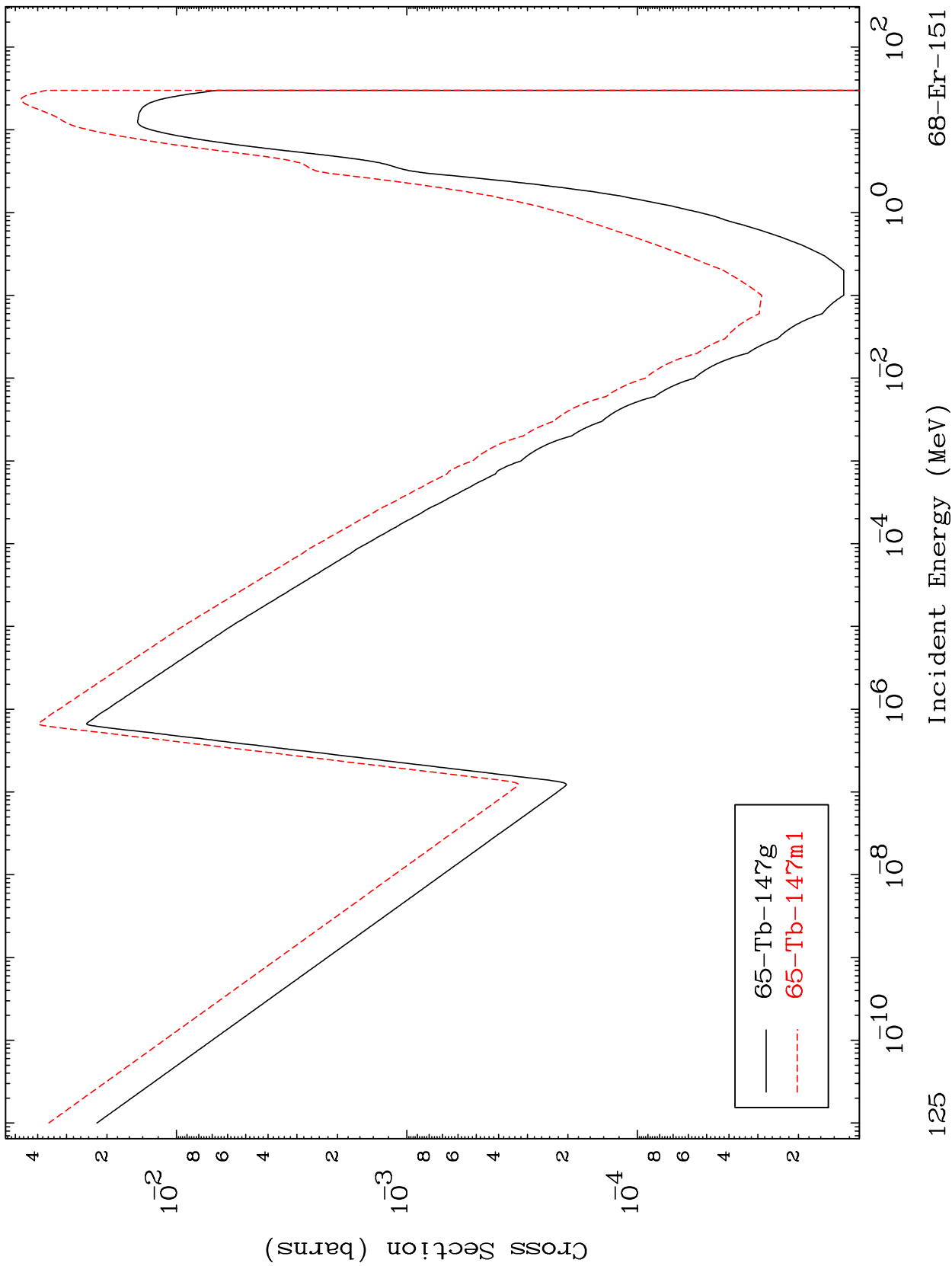
68-Er-151

MAT 6792

(n,p)  $\alpha$

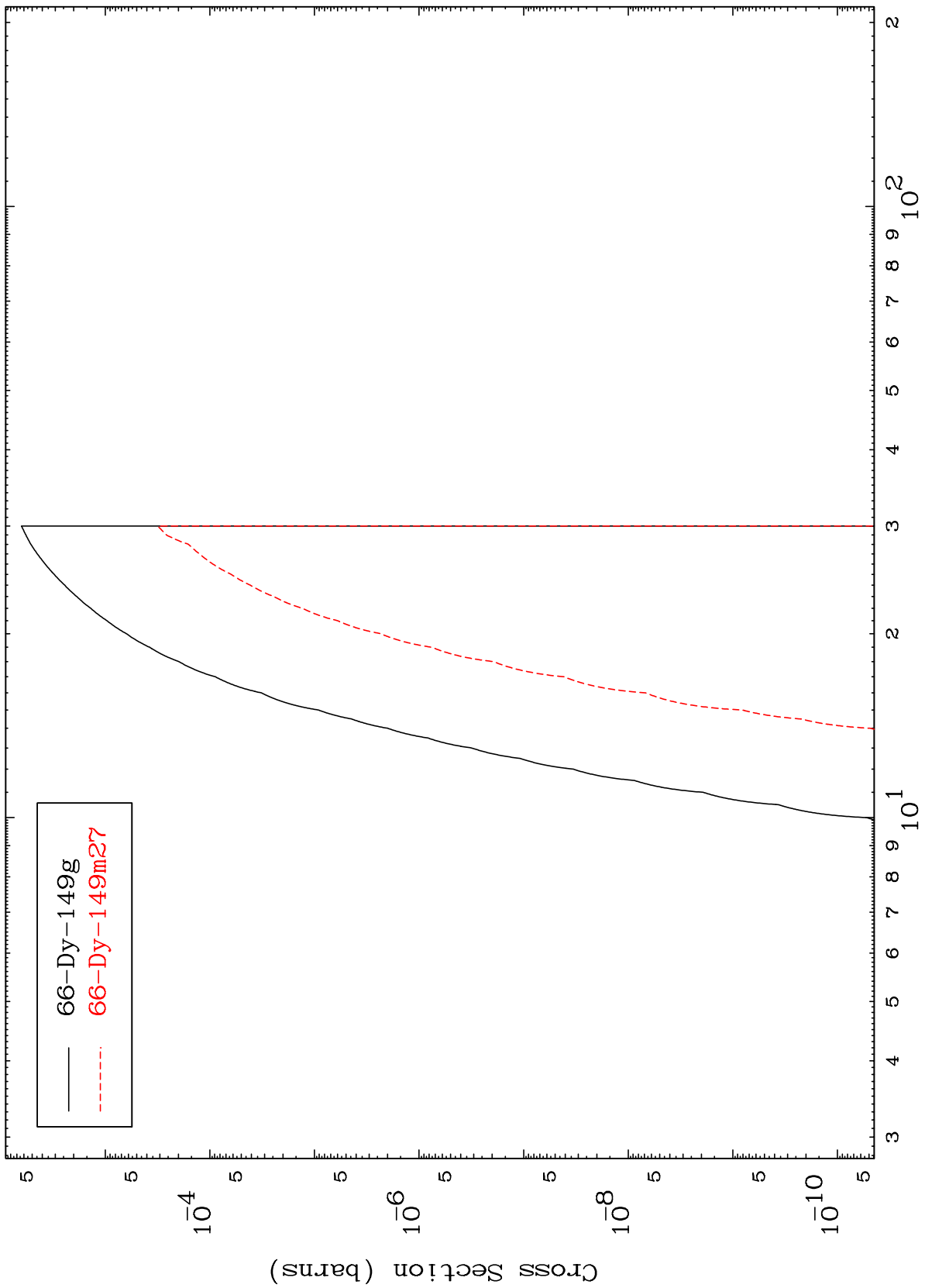
68-Er-151

Radionuclide Production Cross Section



125

Radionuclide Production Cross Section



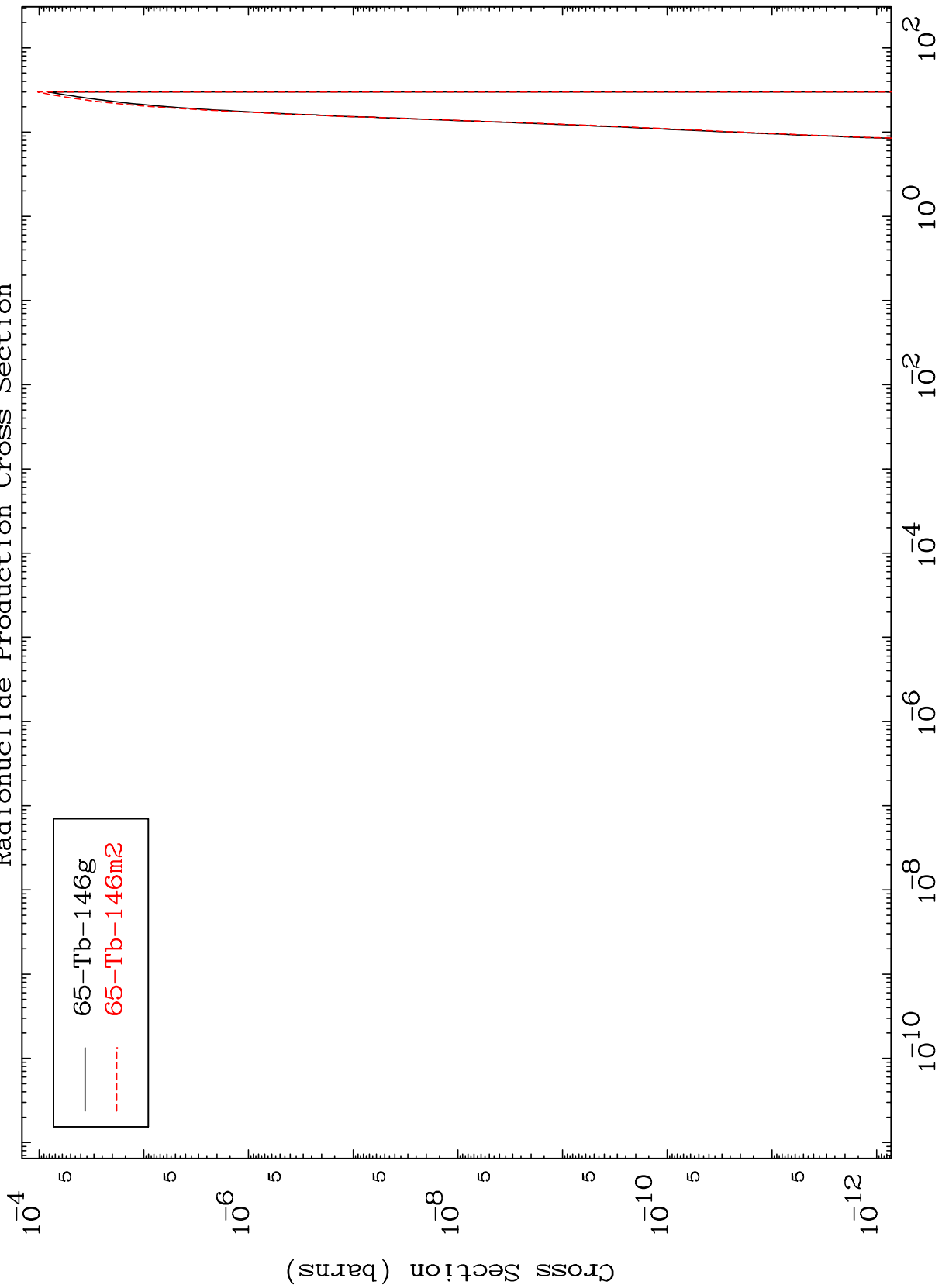
66-Dy-149g  
66-Dy-149m27

MAT 6792

(n,d)  $\alpha$

68-Er-151

Radionuclide Production Cross Section



127

Incident Energy (MeV)

68-Er-151