

Program EVALPLOT  
(Version 2015-2)

by

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(Present Contact Information)

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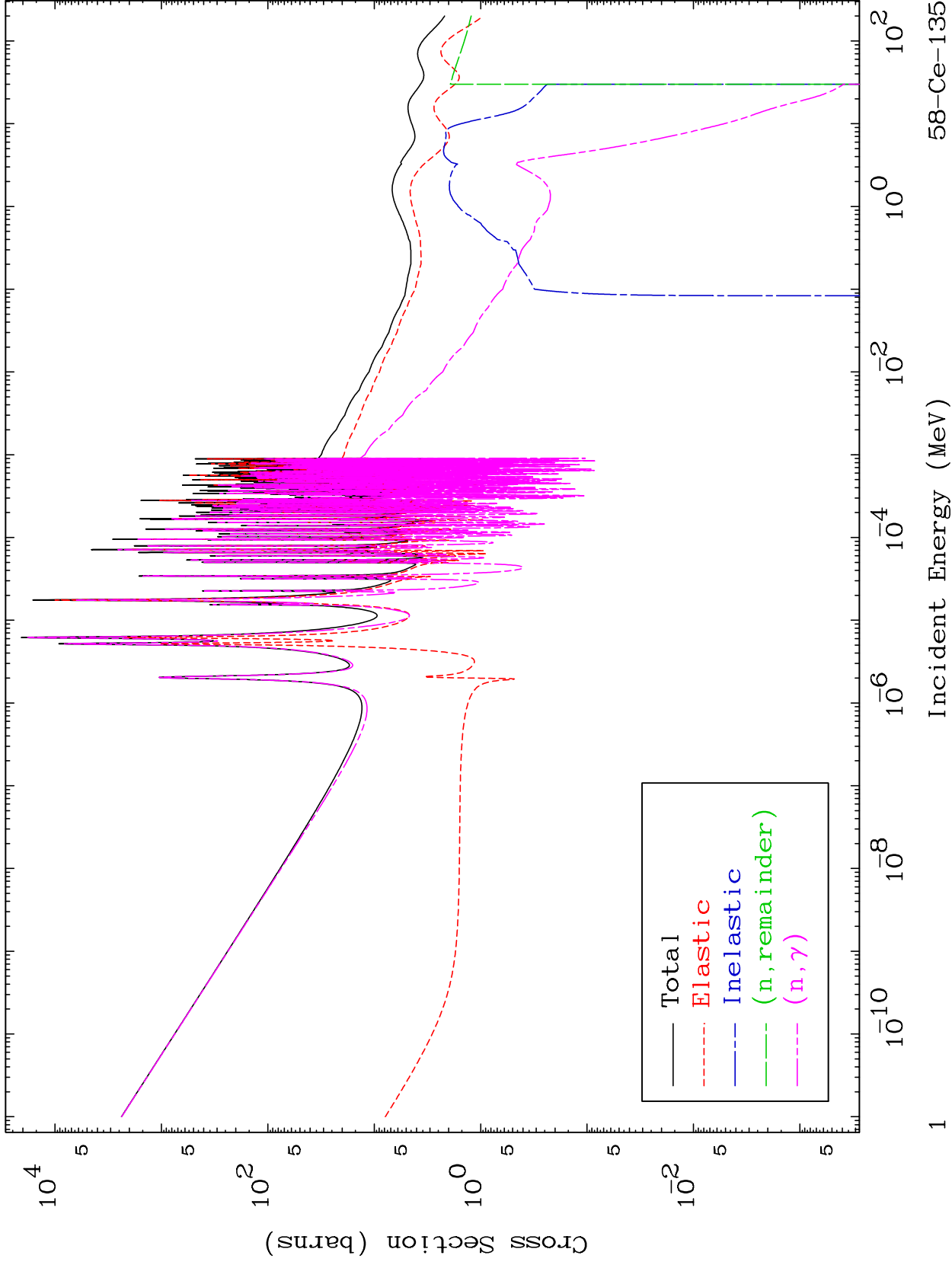
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 58222

Major  
293 Kelvin Cross Sections

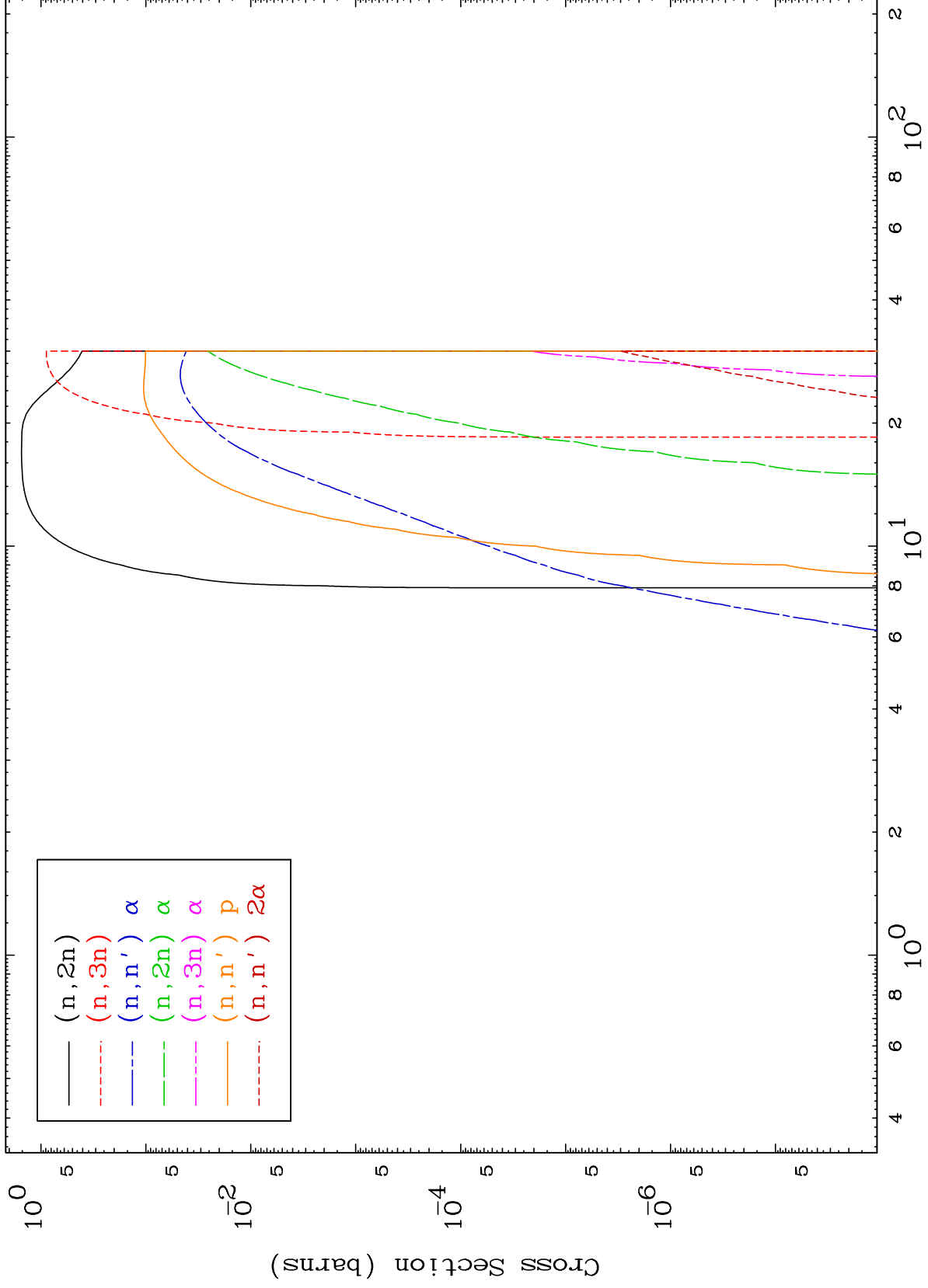
58-Ce-135



MAT 5822

Neutron Production  
293 Kelvin Cross Sections

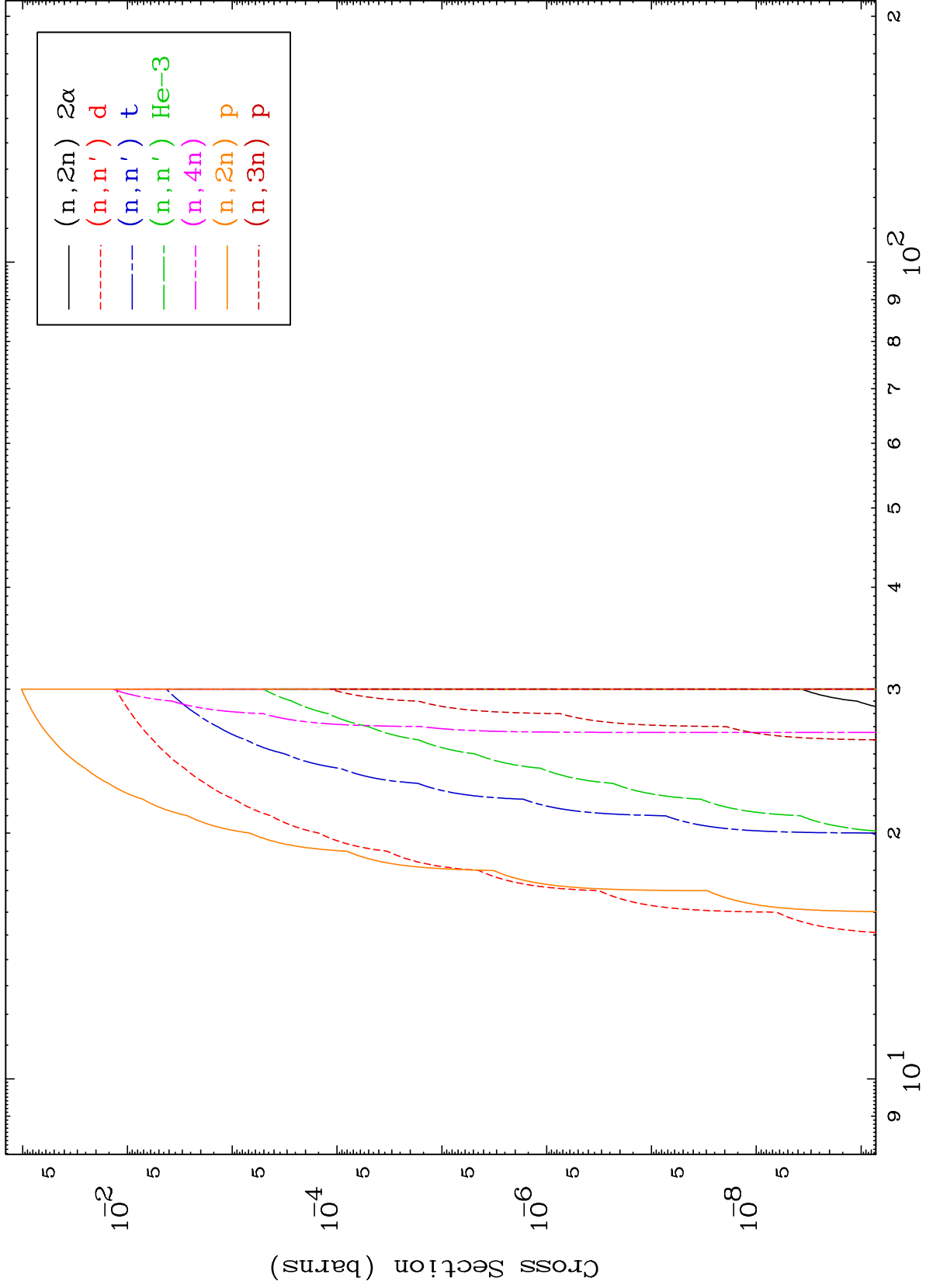
58-Ce-135



MAT 58222

Neutron Production  
293 Kelvin Cross Sections

58-Ce-135



3

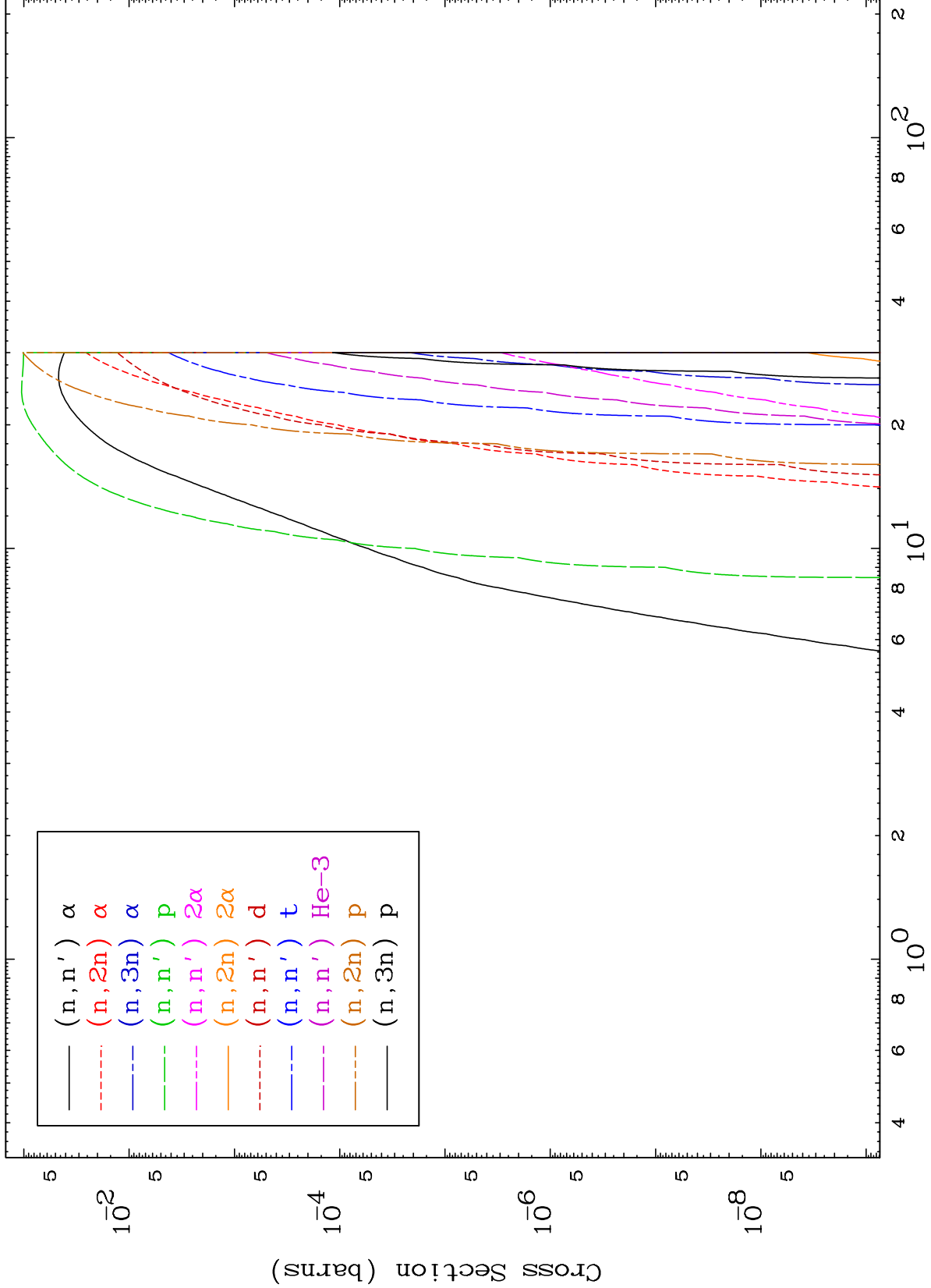
Incident Energy (MeV)

58-Ce-135

MAT 58222

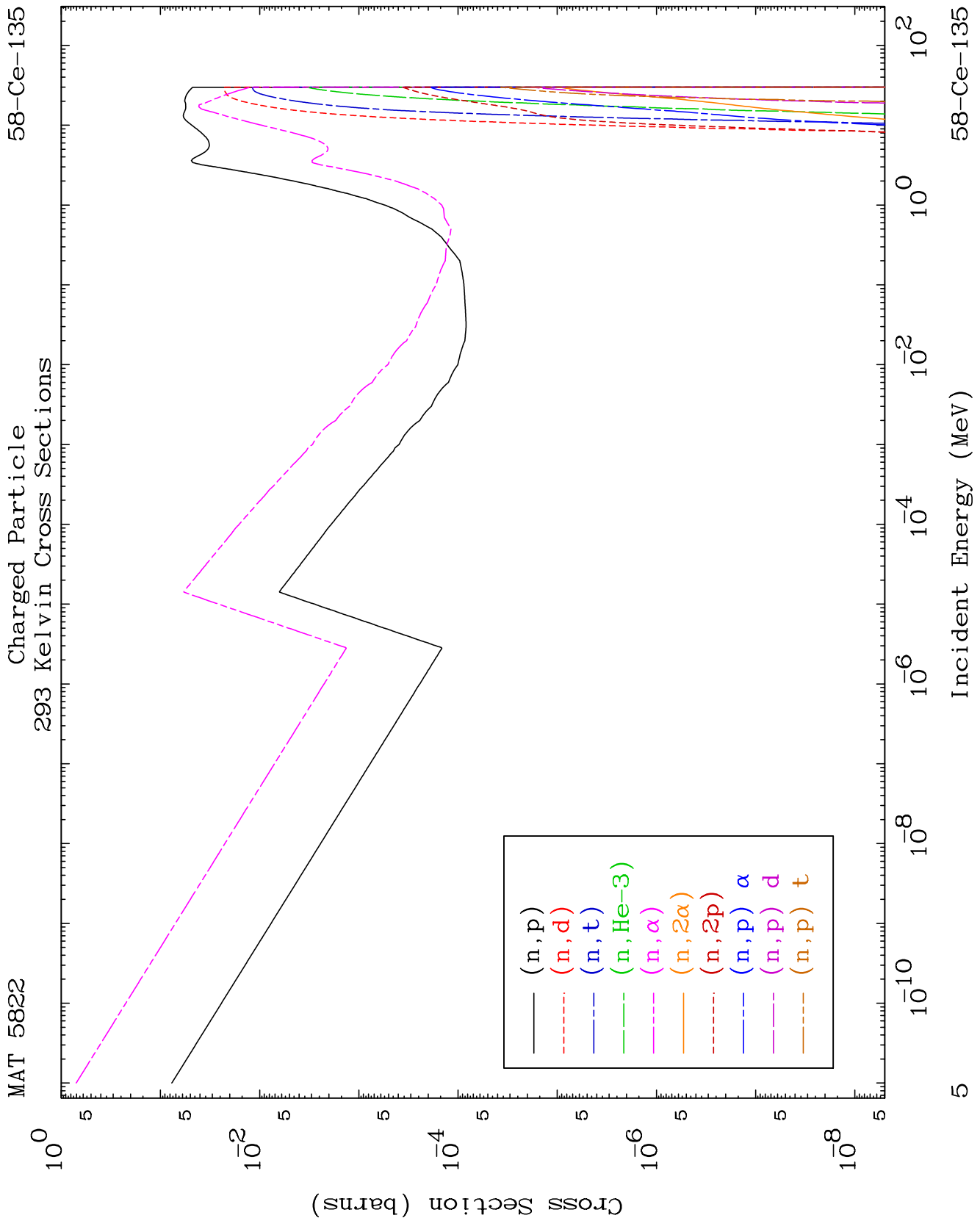
Charged Particle  
293 Kelvin Cross Sections

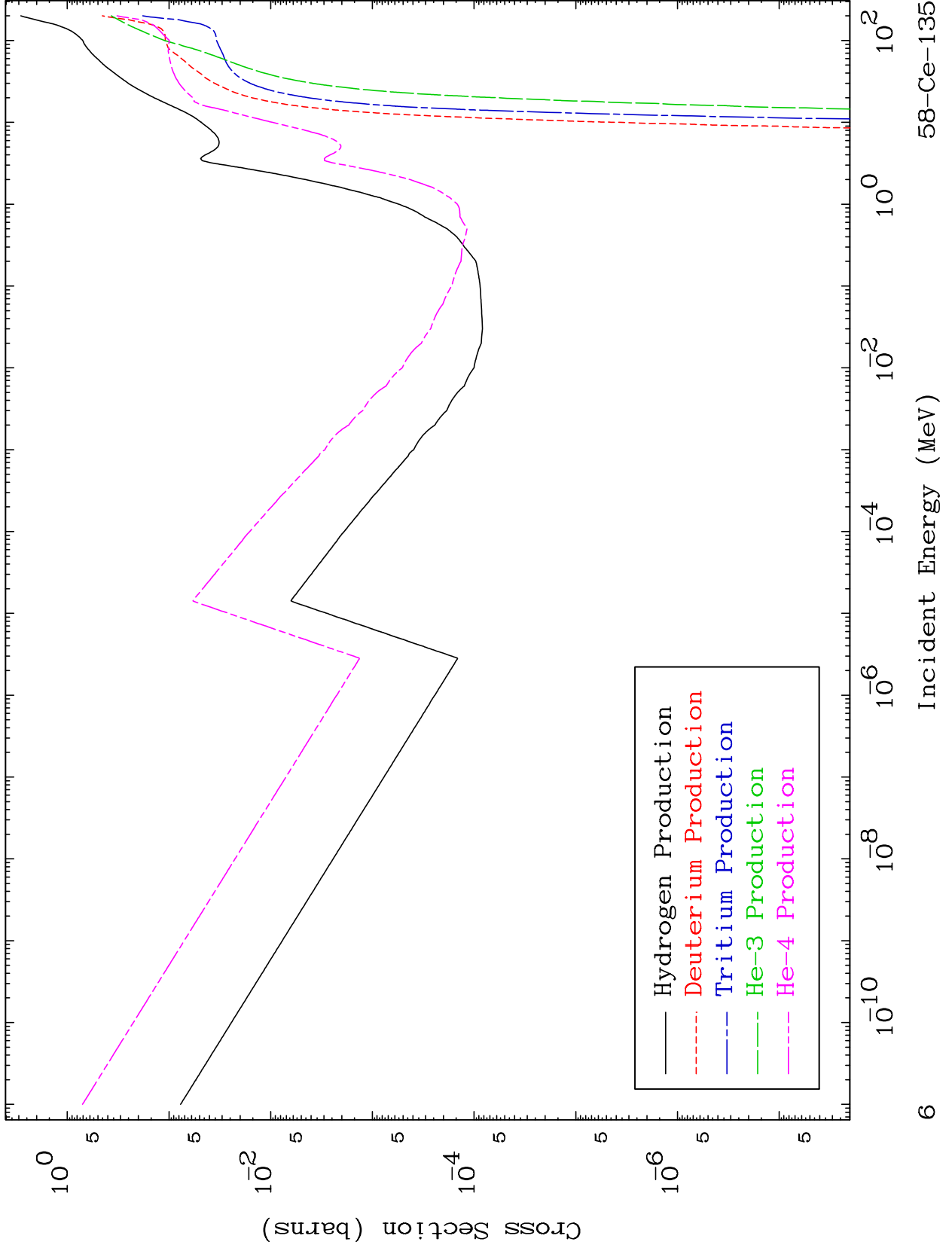
58-Ce-135

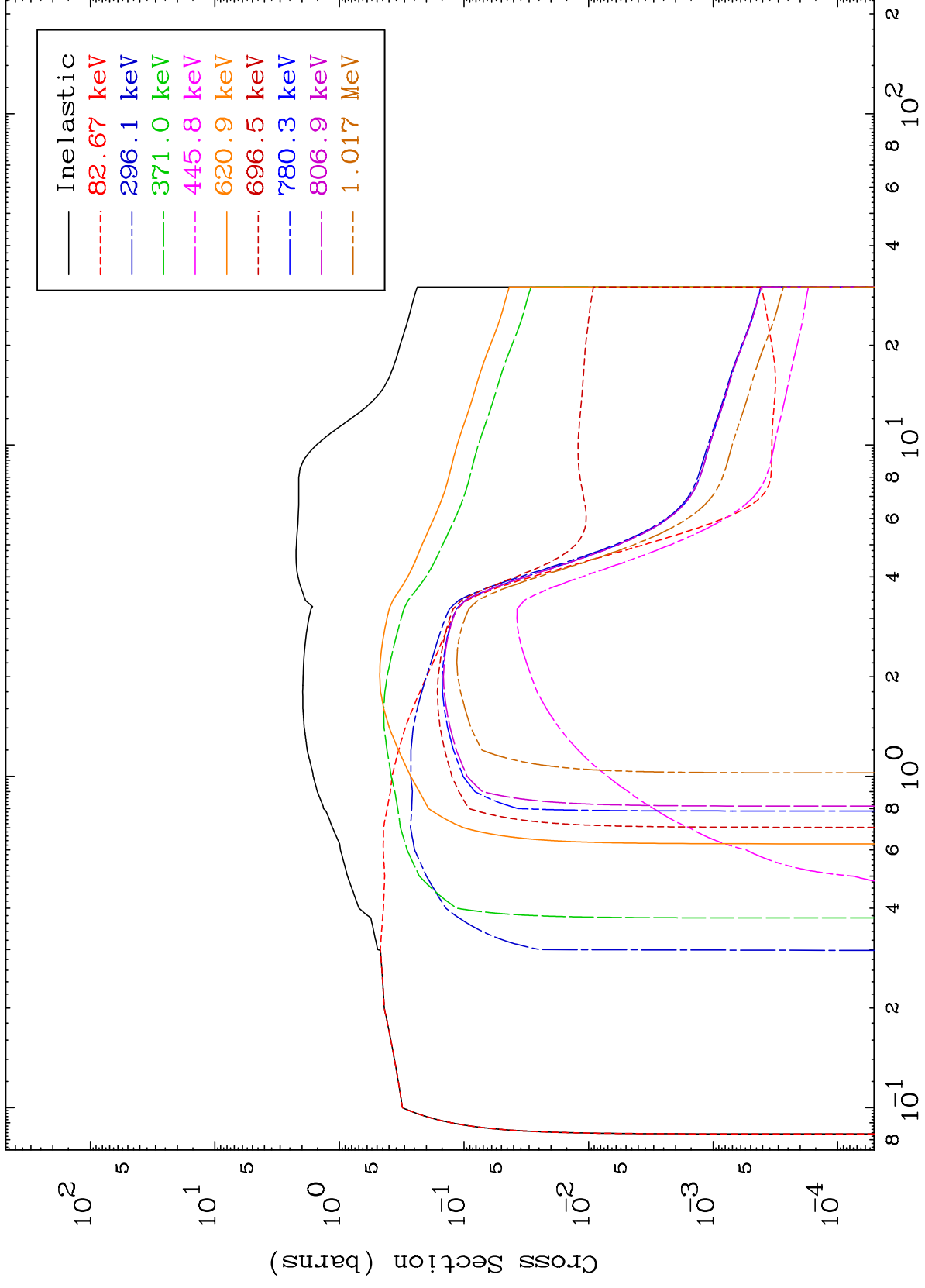


58-Ce-135

Incident Energy (MeV)







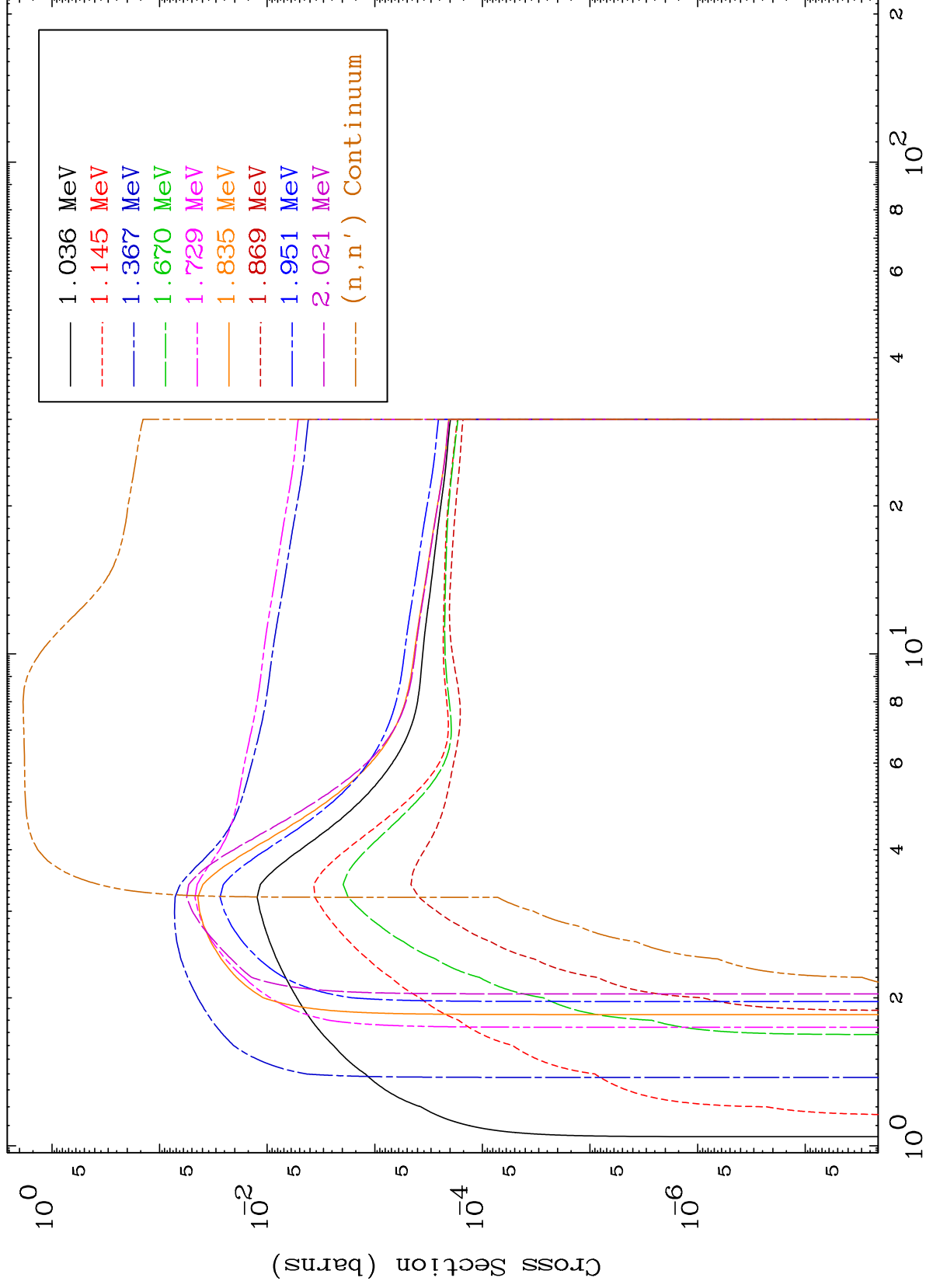


MAT 58222

(n,n') Level

58-Ce-135

293 Kelvin Cross Sections



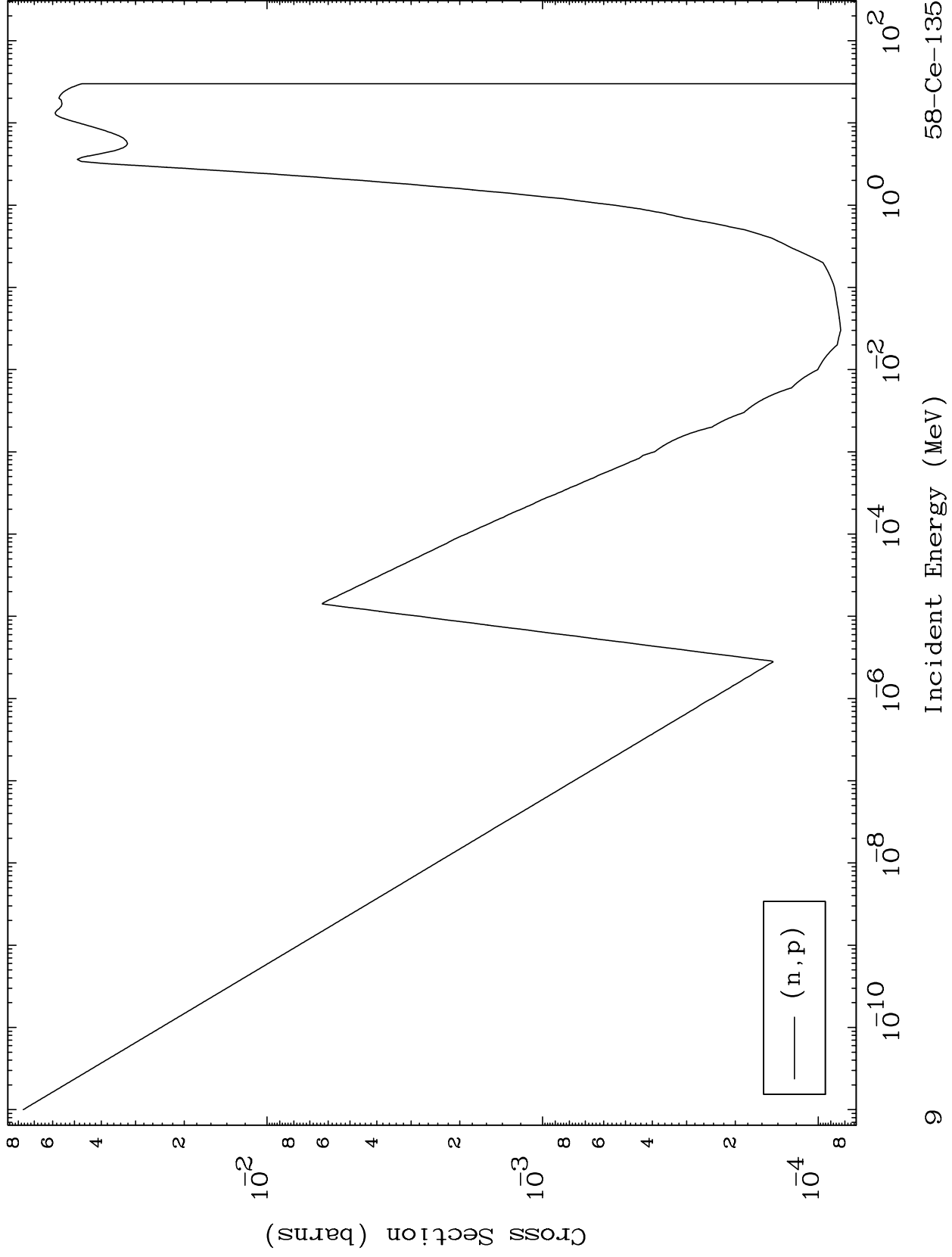
Incident Energy (MeV)

58-Ce-135

MAT 58222

(n,p) Levels  
293 Kelvin Cross Sections

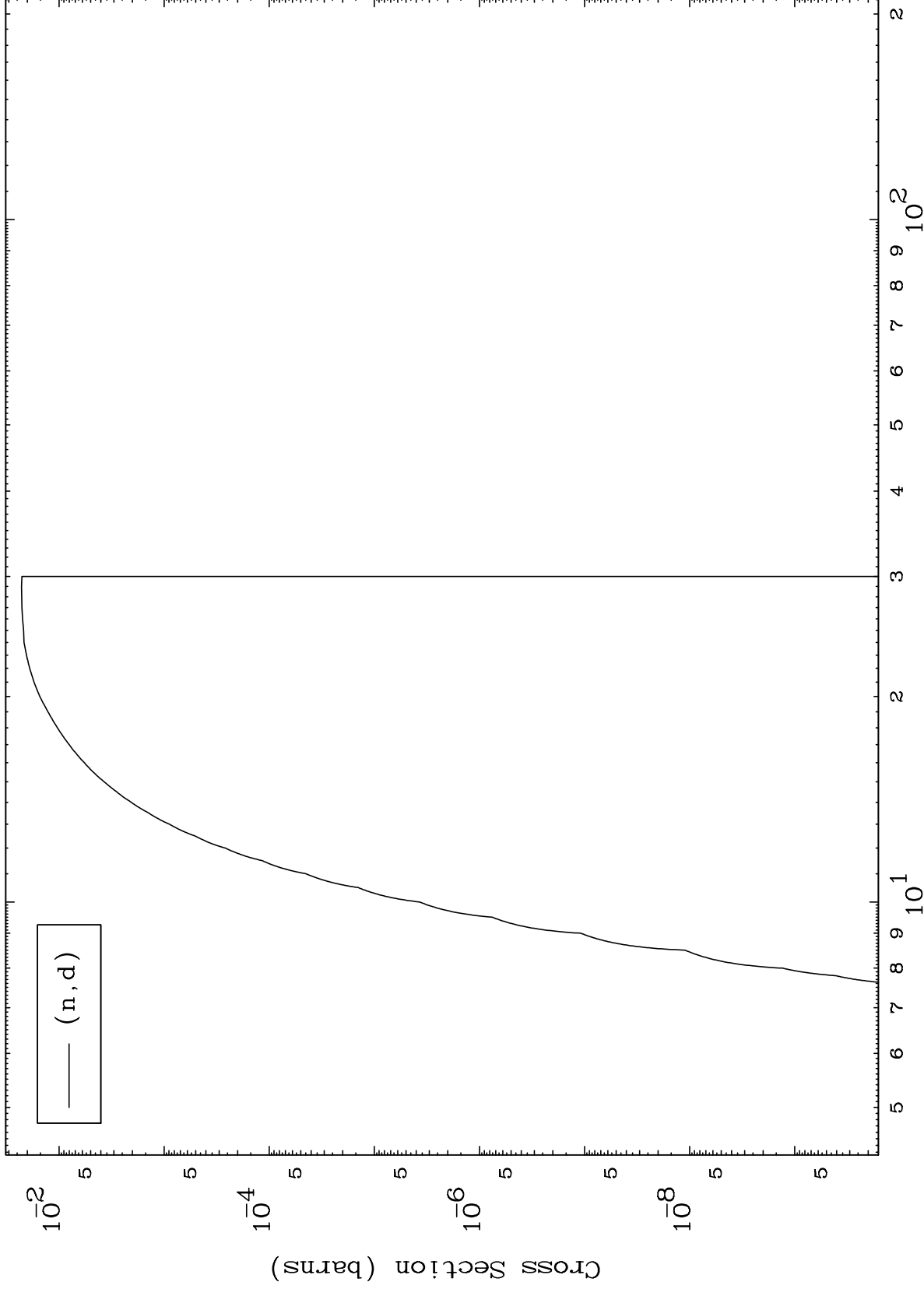
58-Ce-135



MAT 58222

(n,d) Levels  
293 Kelvin Cross Sections

58-Ce-135



10

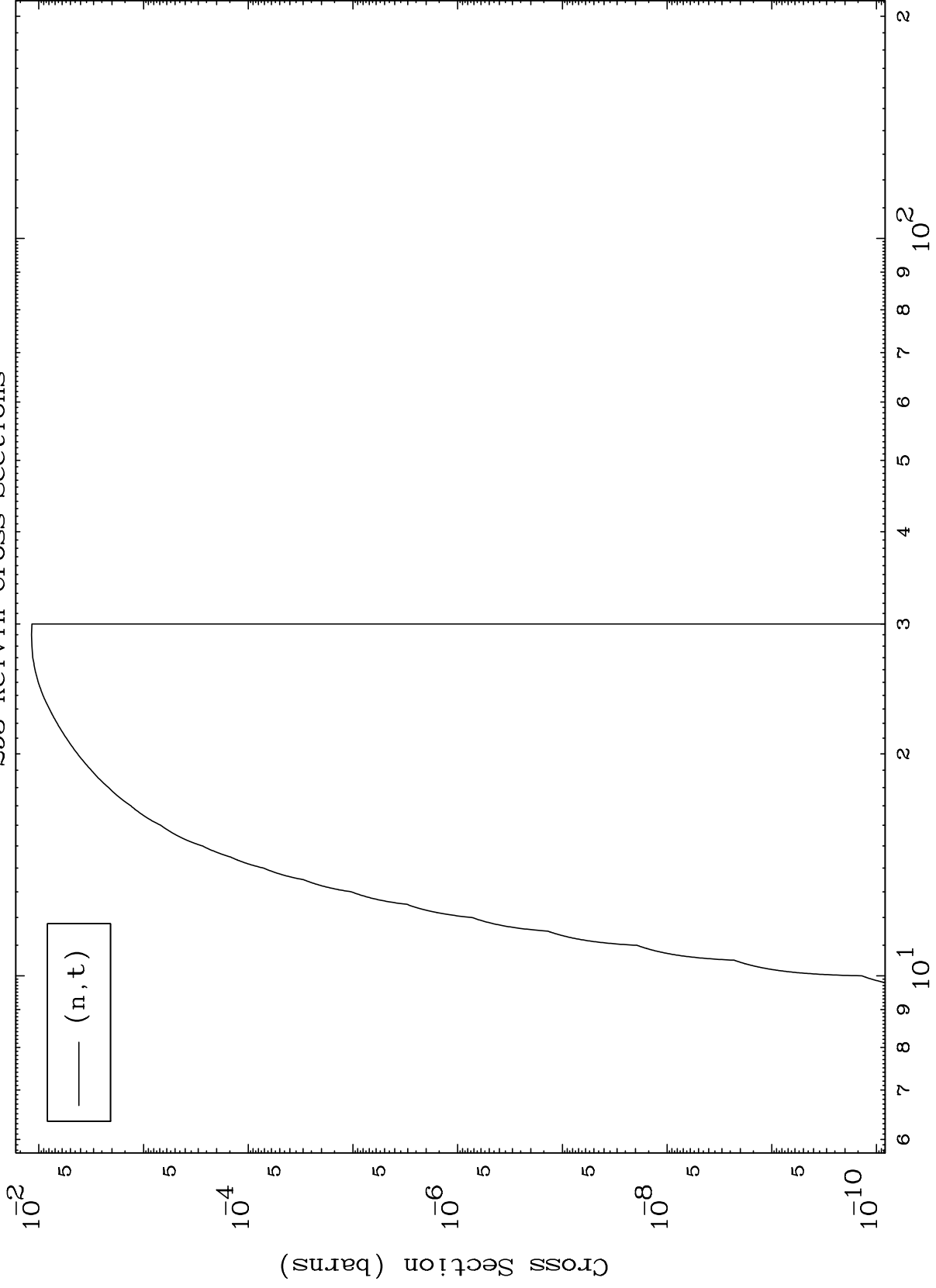
Incident Energy (MeV)

58-Ce-135

MAT 58222

(n, t) Levels  
293 Kelvin Cross Sections

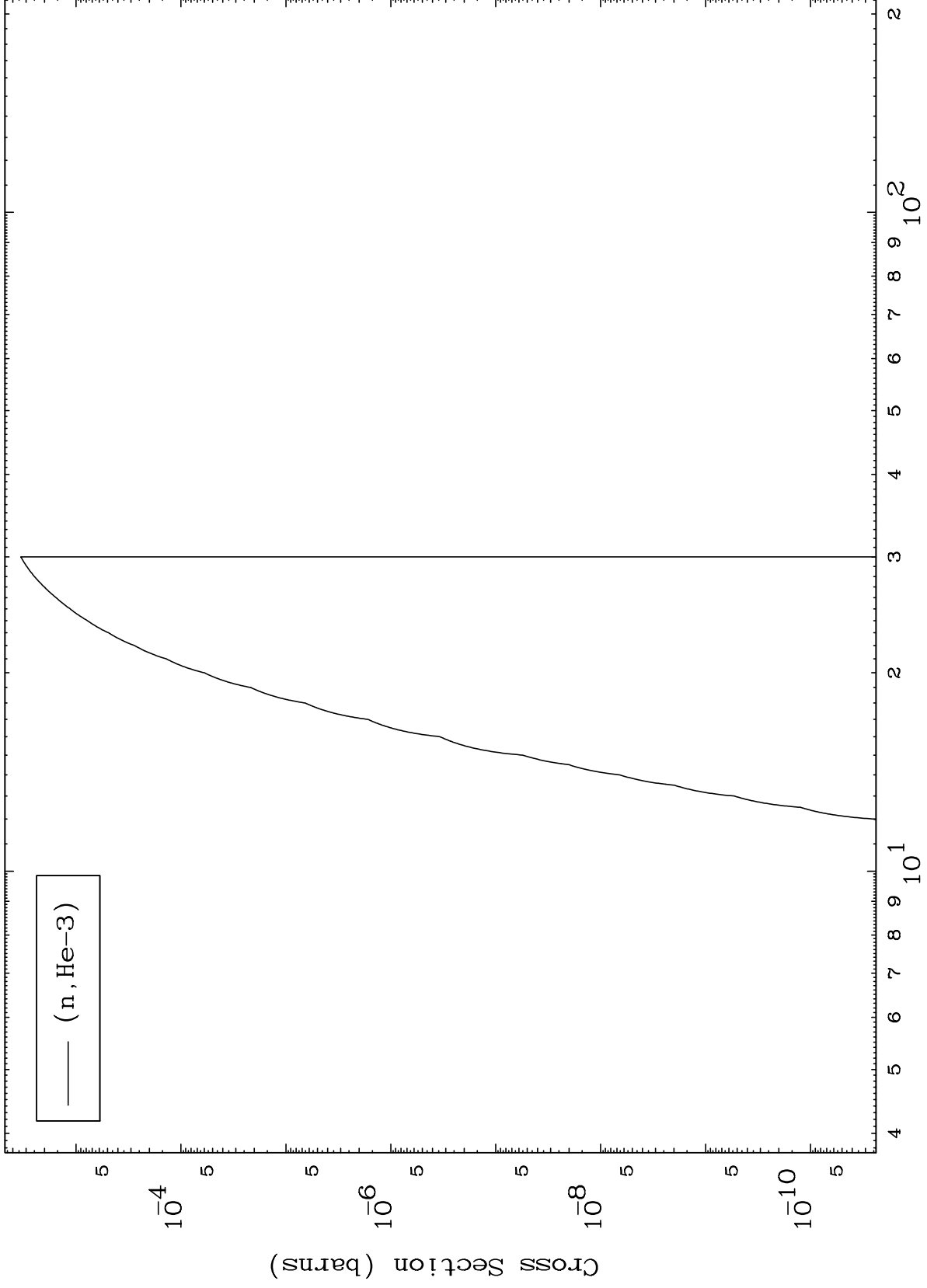
58-Ce-135



MAT 58222

(n,He3) Levels  
293 Kelvin Cross Sections

58-Ce-135



12

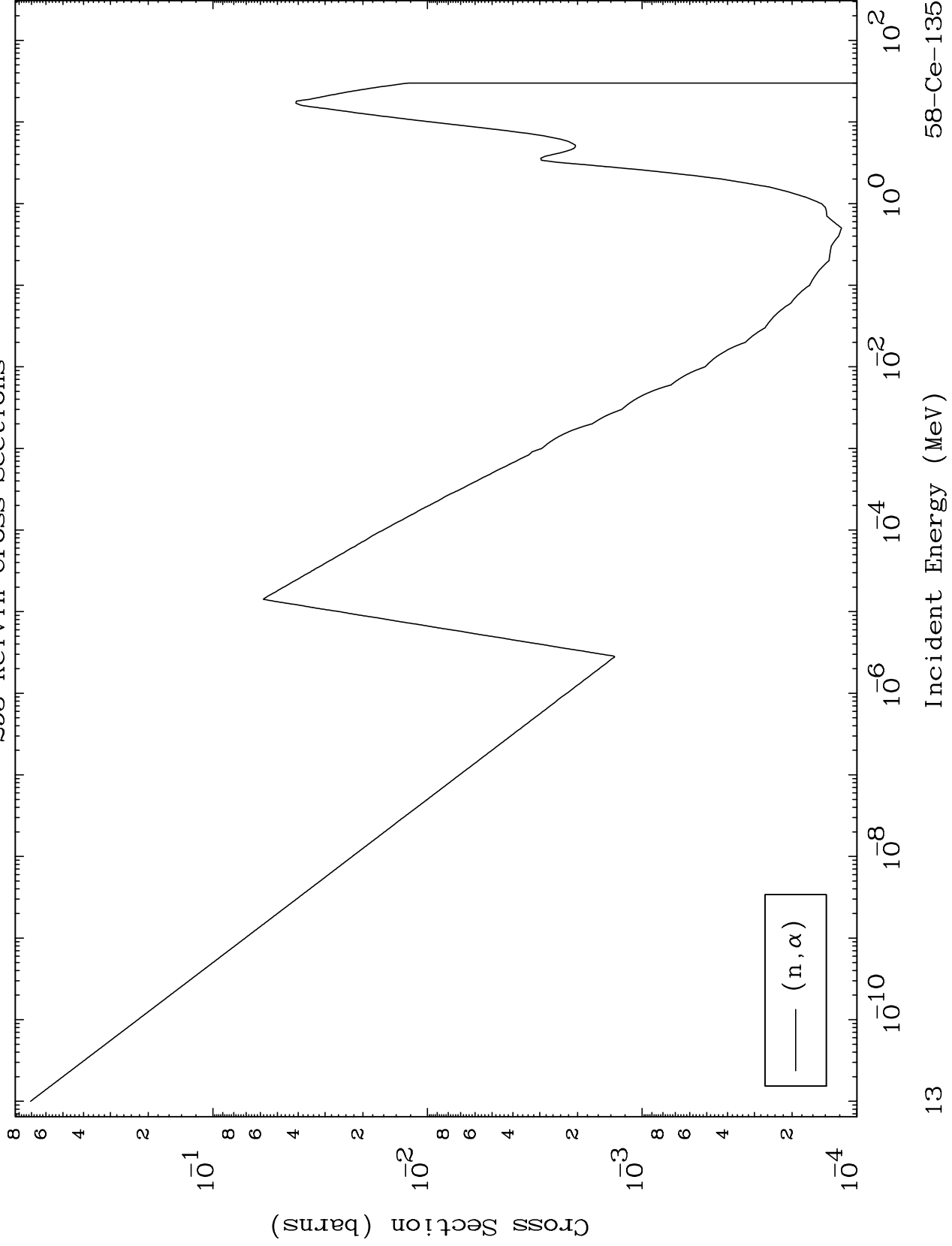
Incident Energy (MeV)

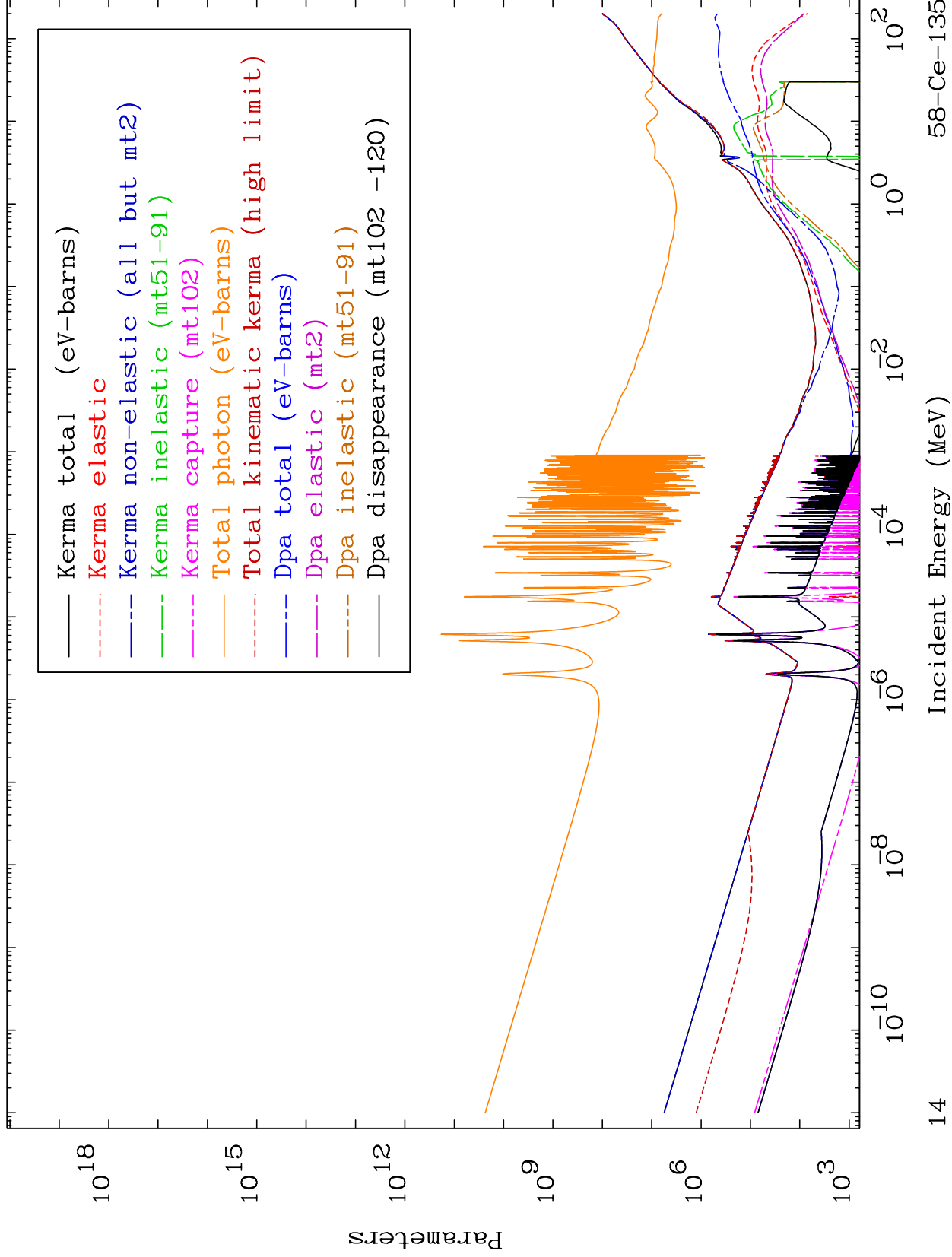
58-Ce-135

MAT 58222

(n,α) Levels  
293 Kelvin Cross Sections

58-Ce-135

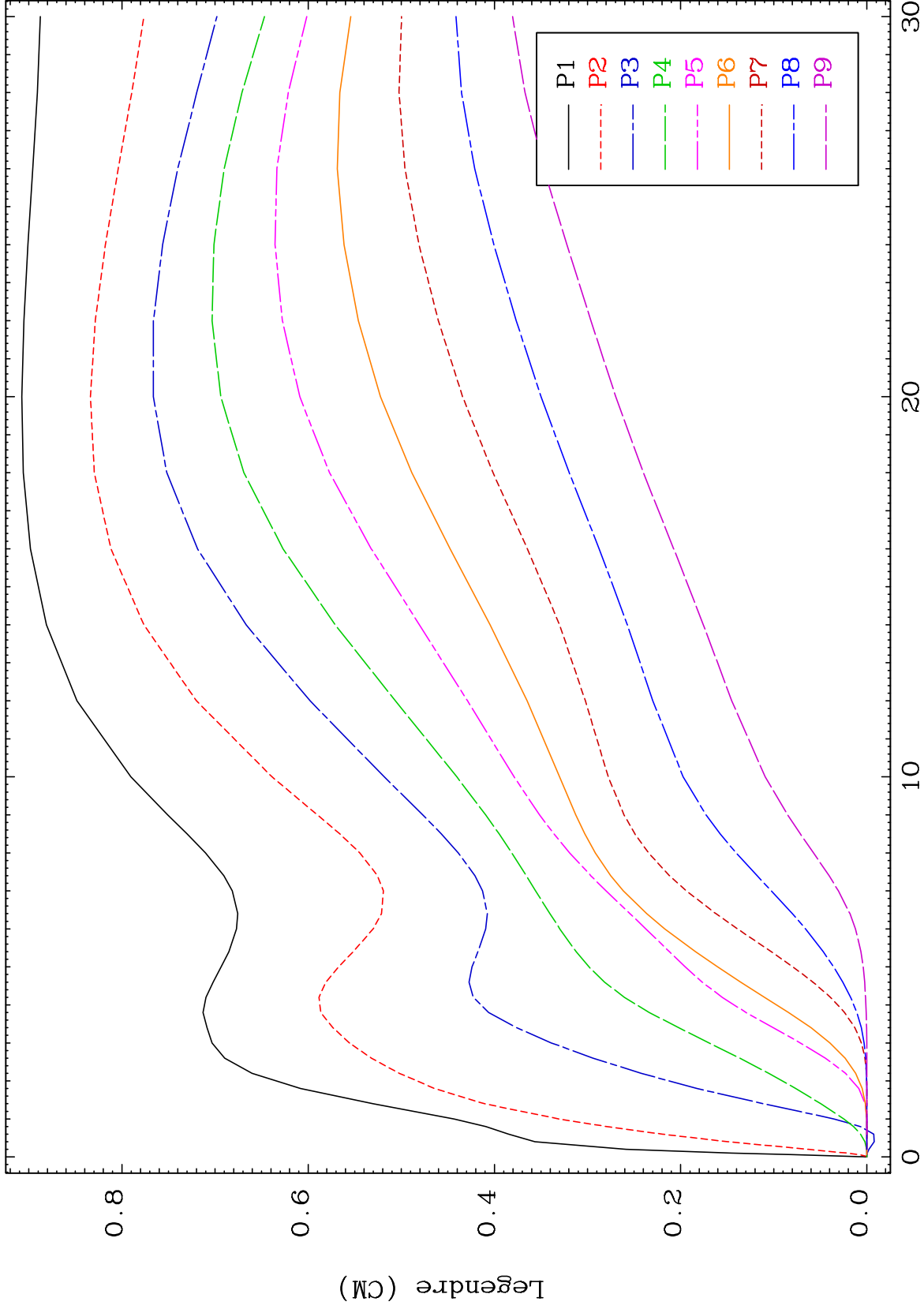




MAT 5822

Elastic Legendre Coefficients

58-Ce-135



15

Incident Energy (MeV)

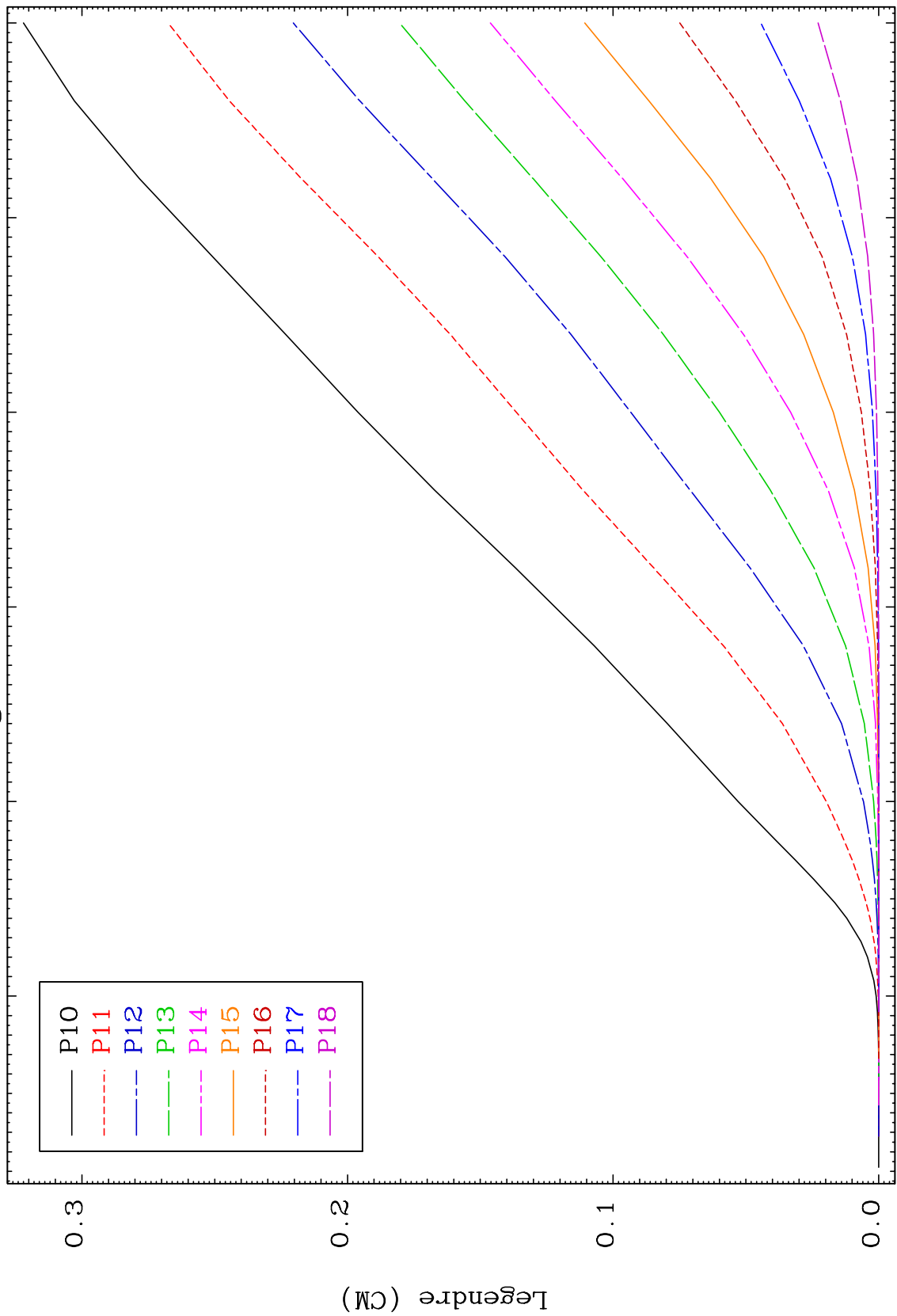
58-Ce-135



MAT 5822

Elastic Legendre Coefficients

58-Ce-135



16

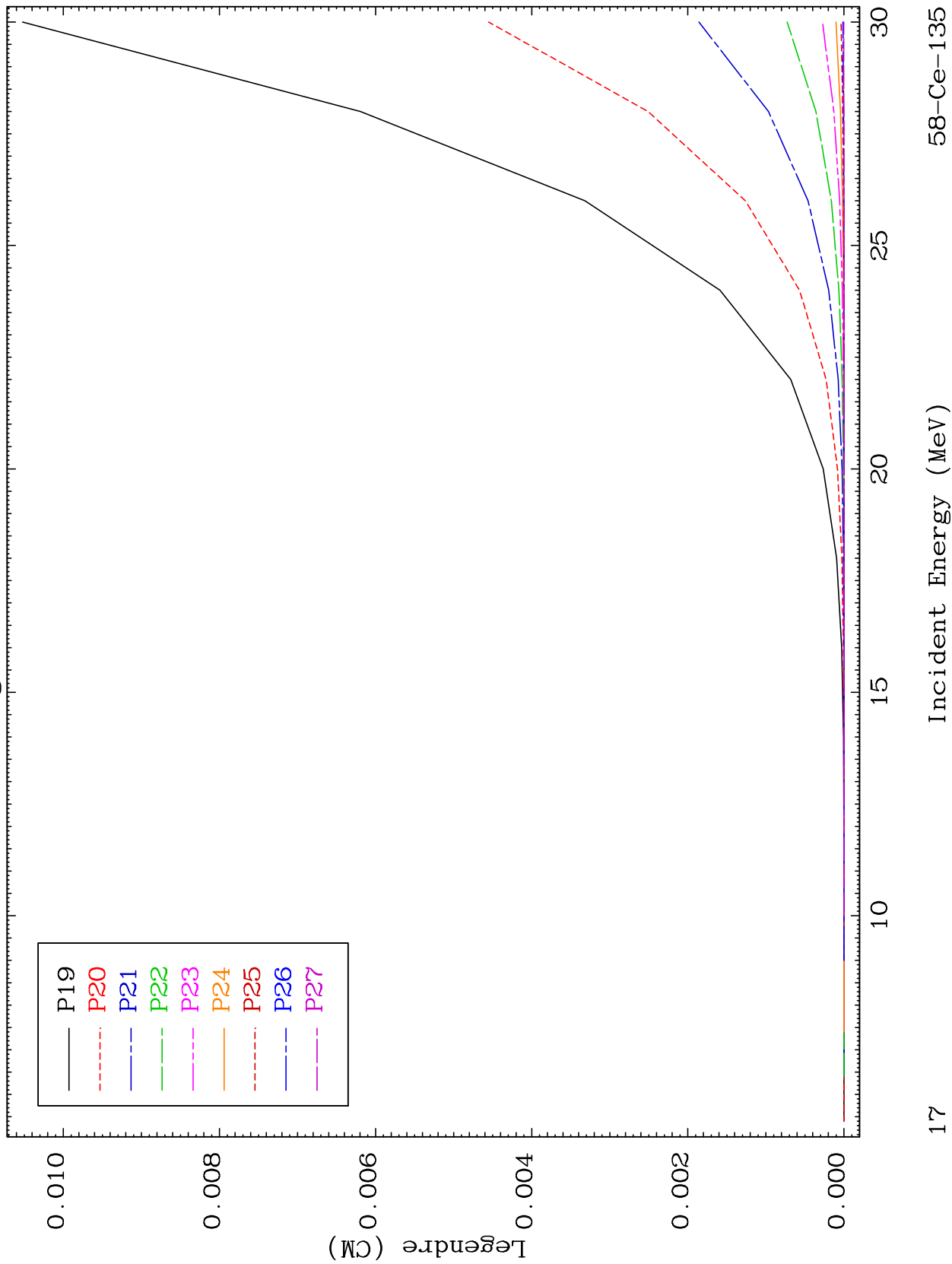
Incident Energy (MeV)

58-Ce-135

MAT 58222

### Elastic Legendre Coefficients

58-Ce-135



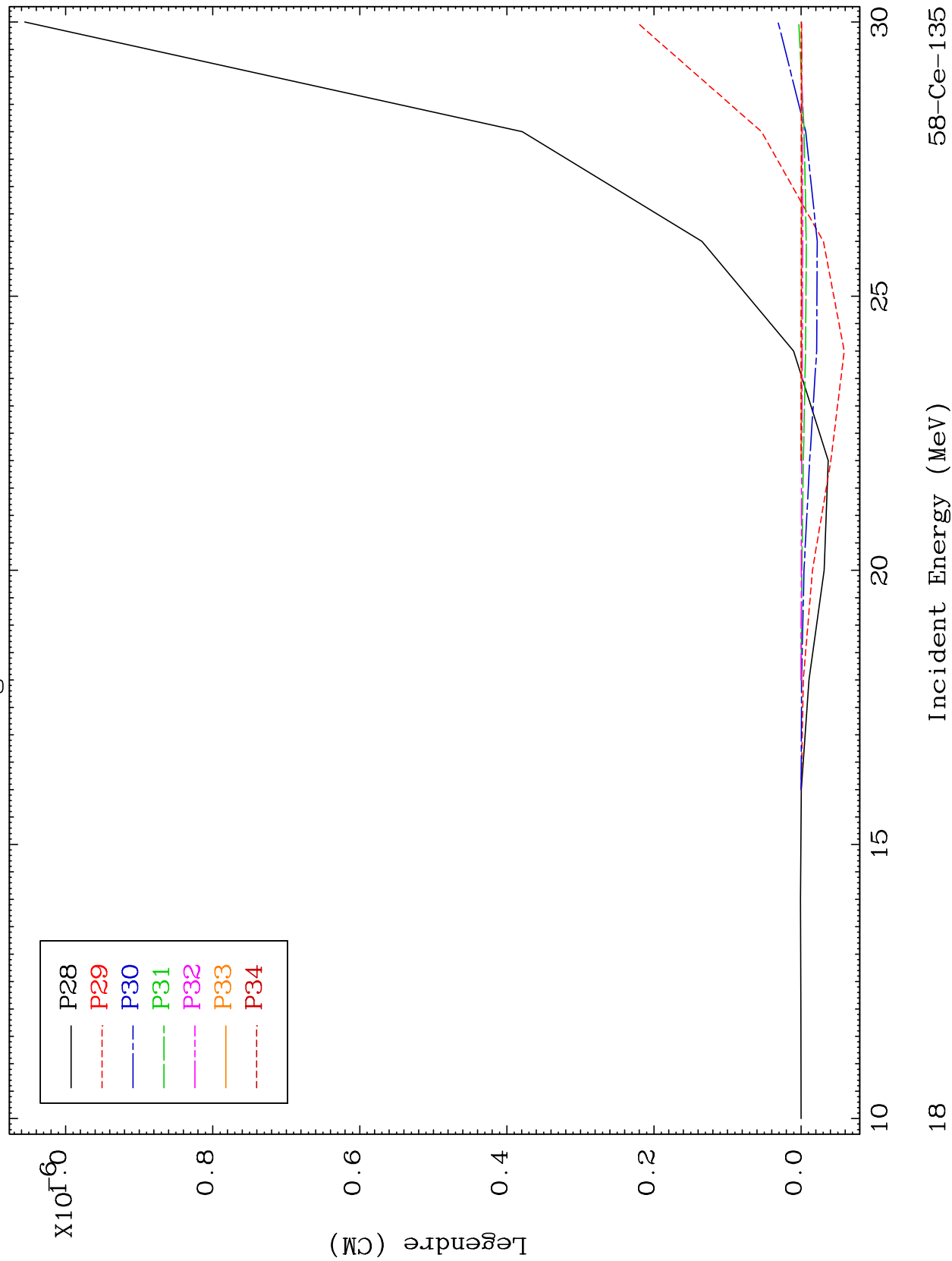
17

58-Ce-135

MAT 58222

Elastic Legendre Coefficients

58-Ce-135



58-Ce-135

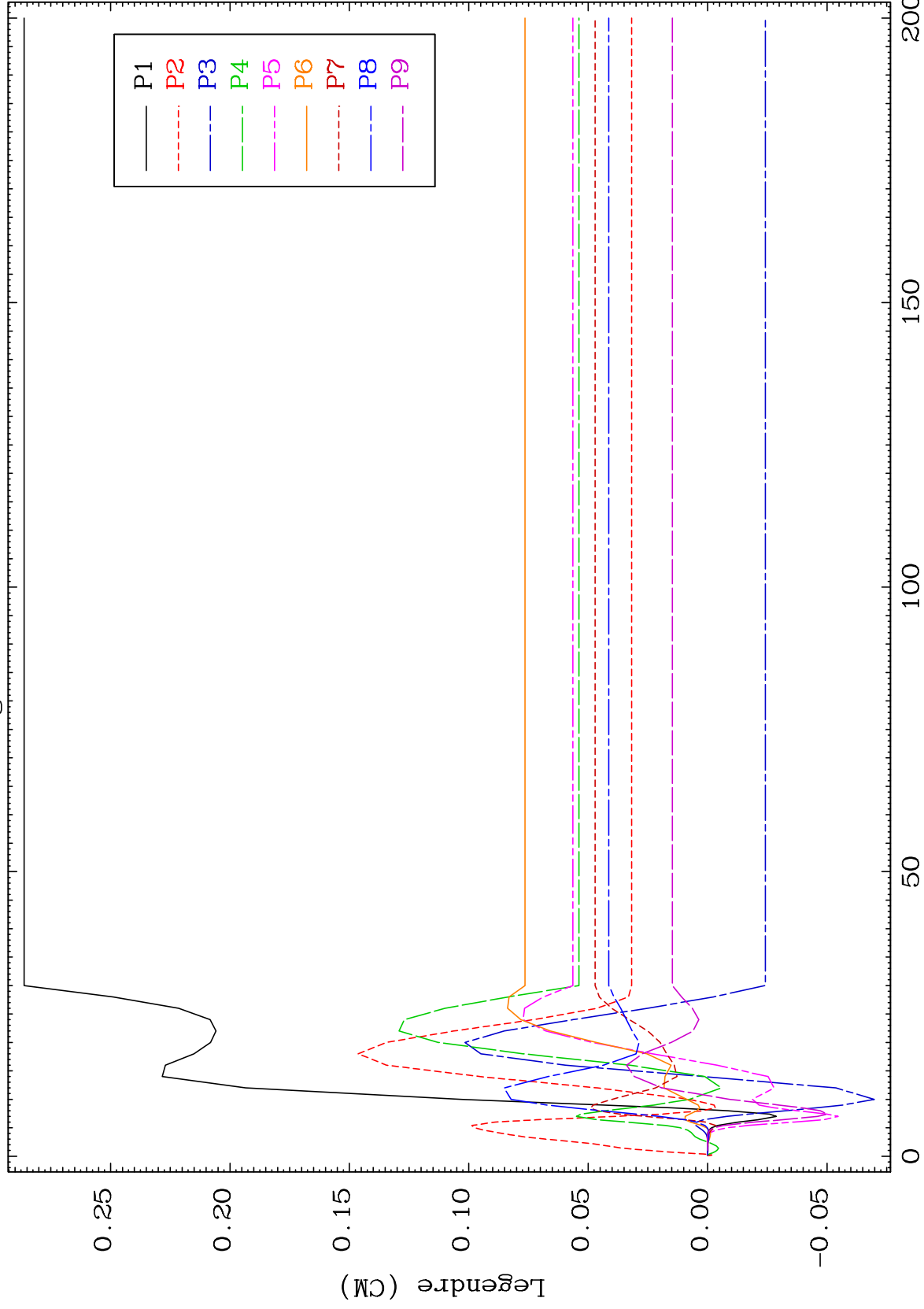
Incident Energy (MeV)

18

MAT 5822

82.67 keV (n,n') Level  
Legendre Coefficients

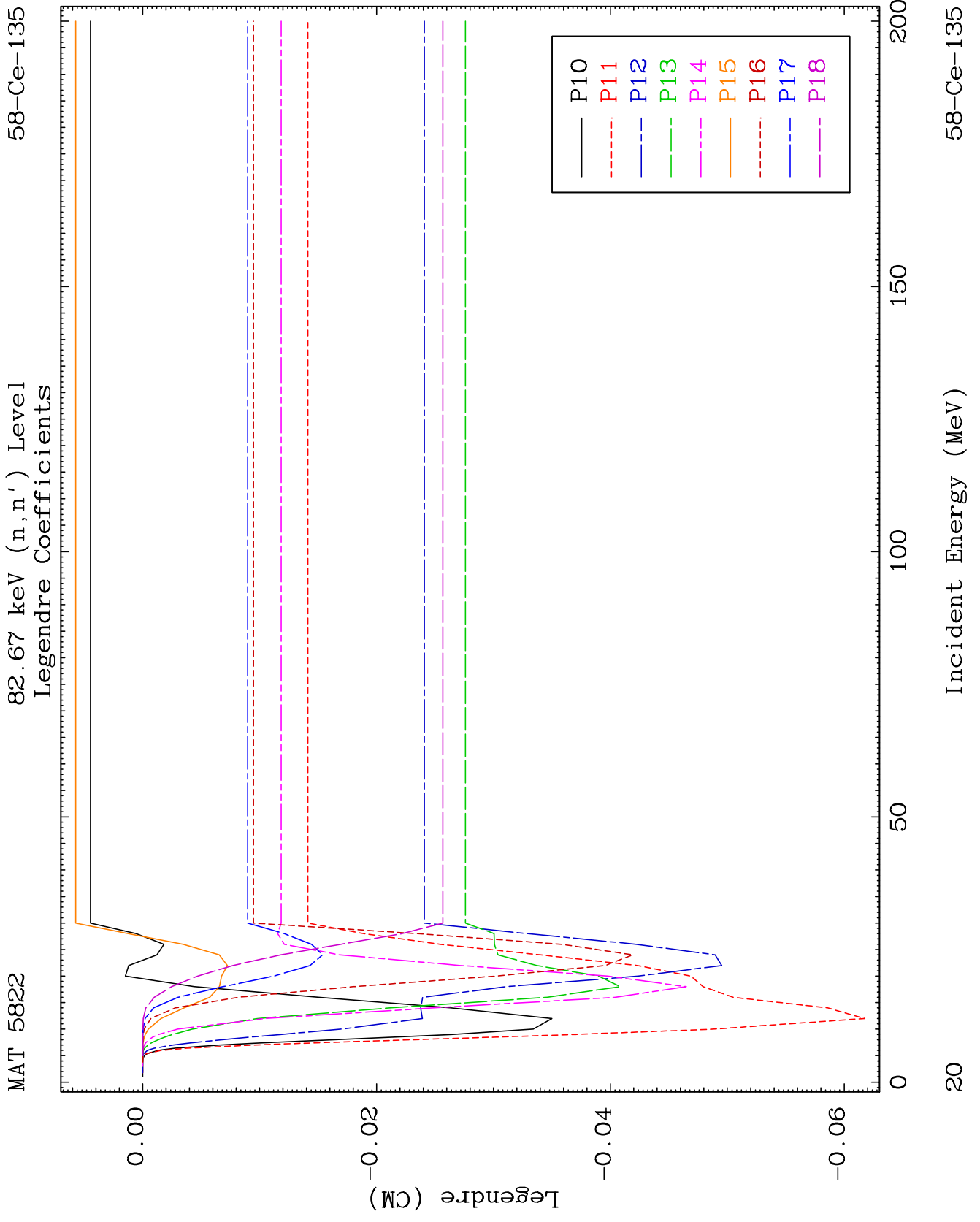
58-Ce-135

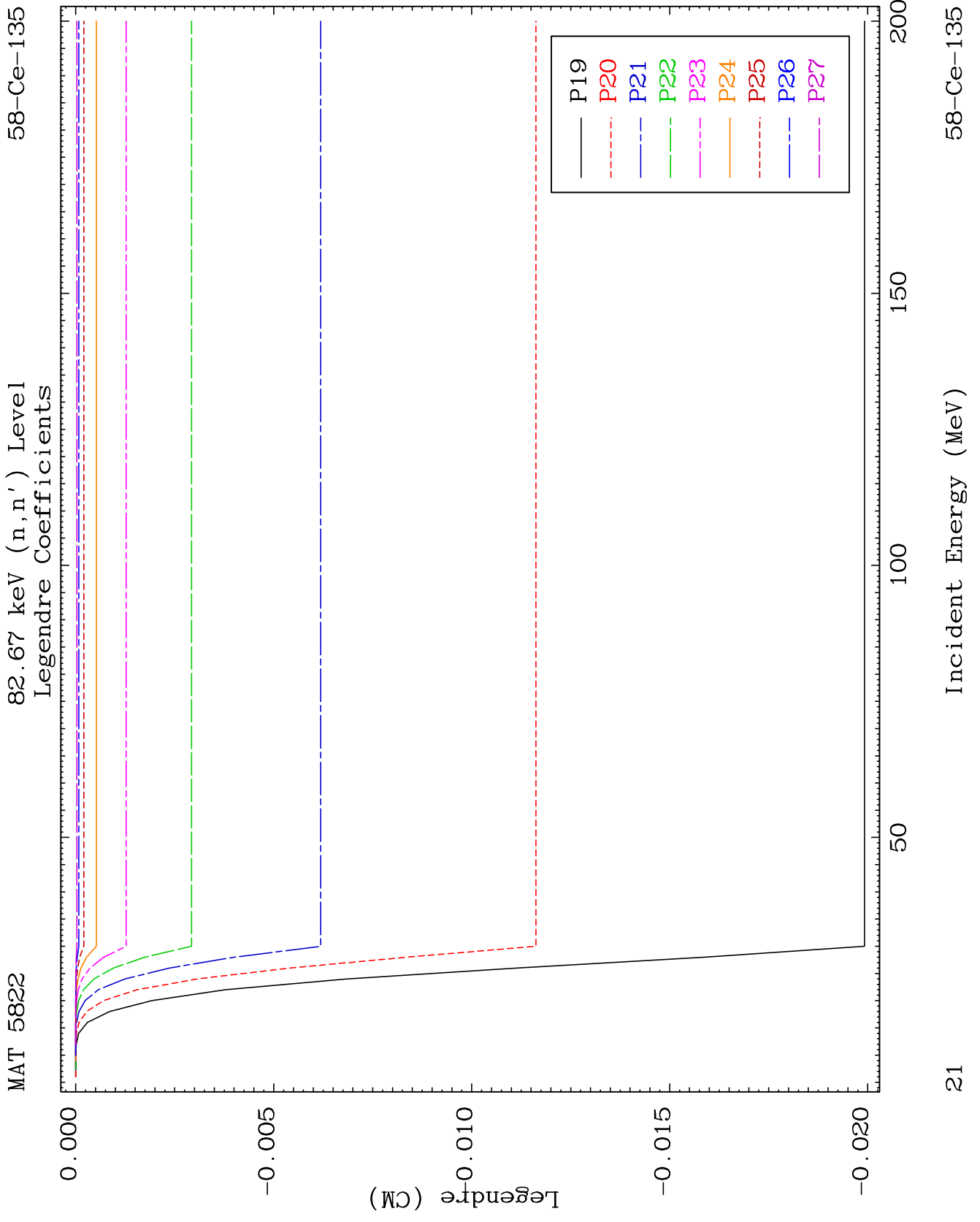


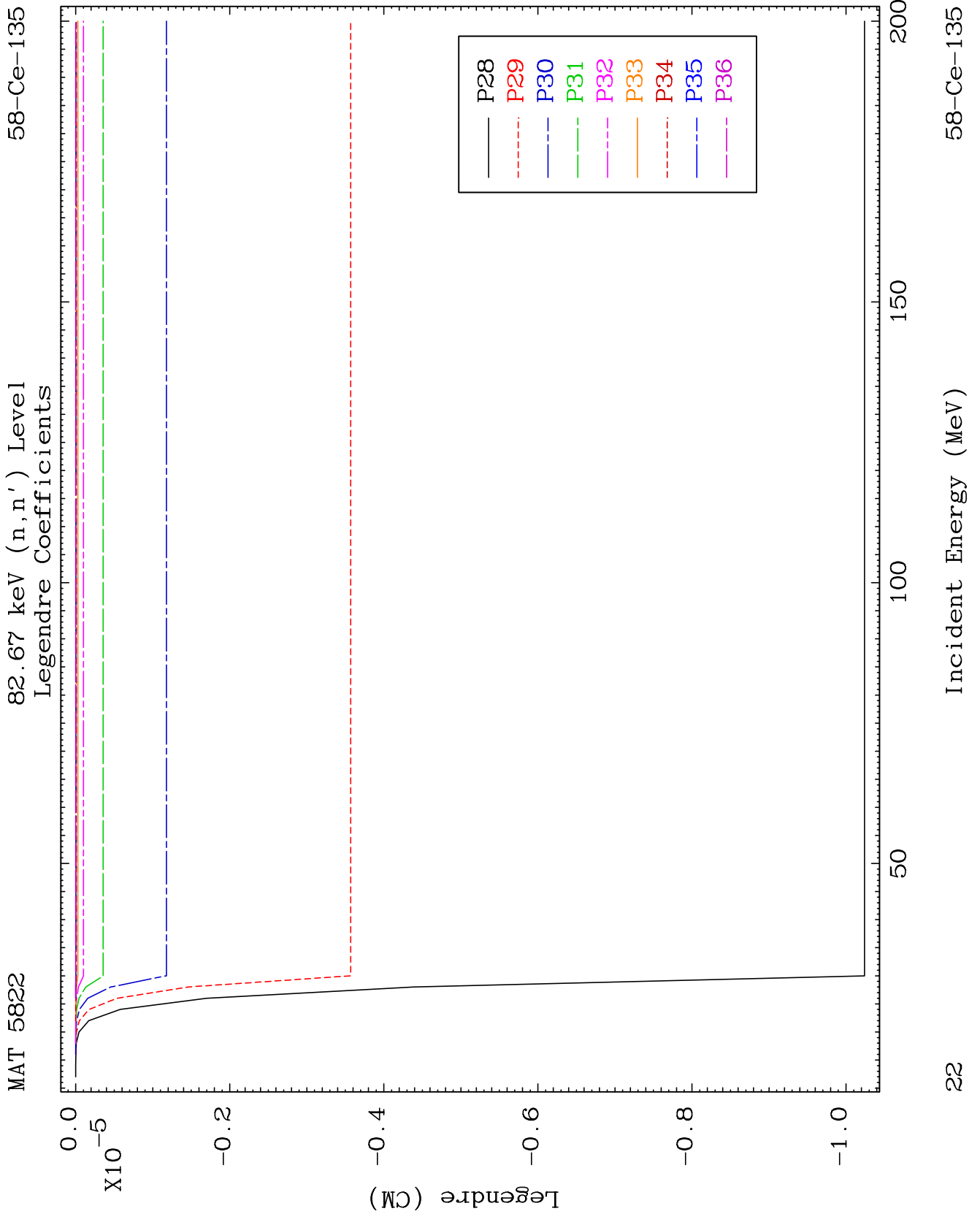
19

Incident Energy (MeV)

58-Ce-135



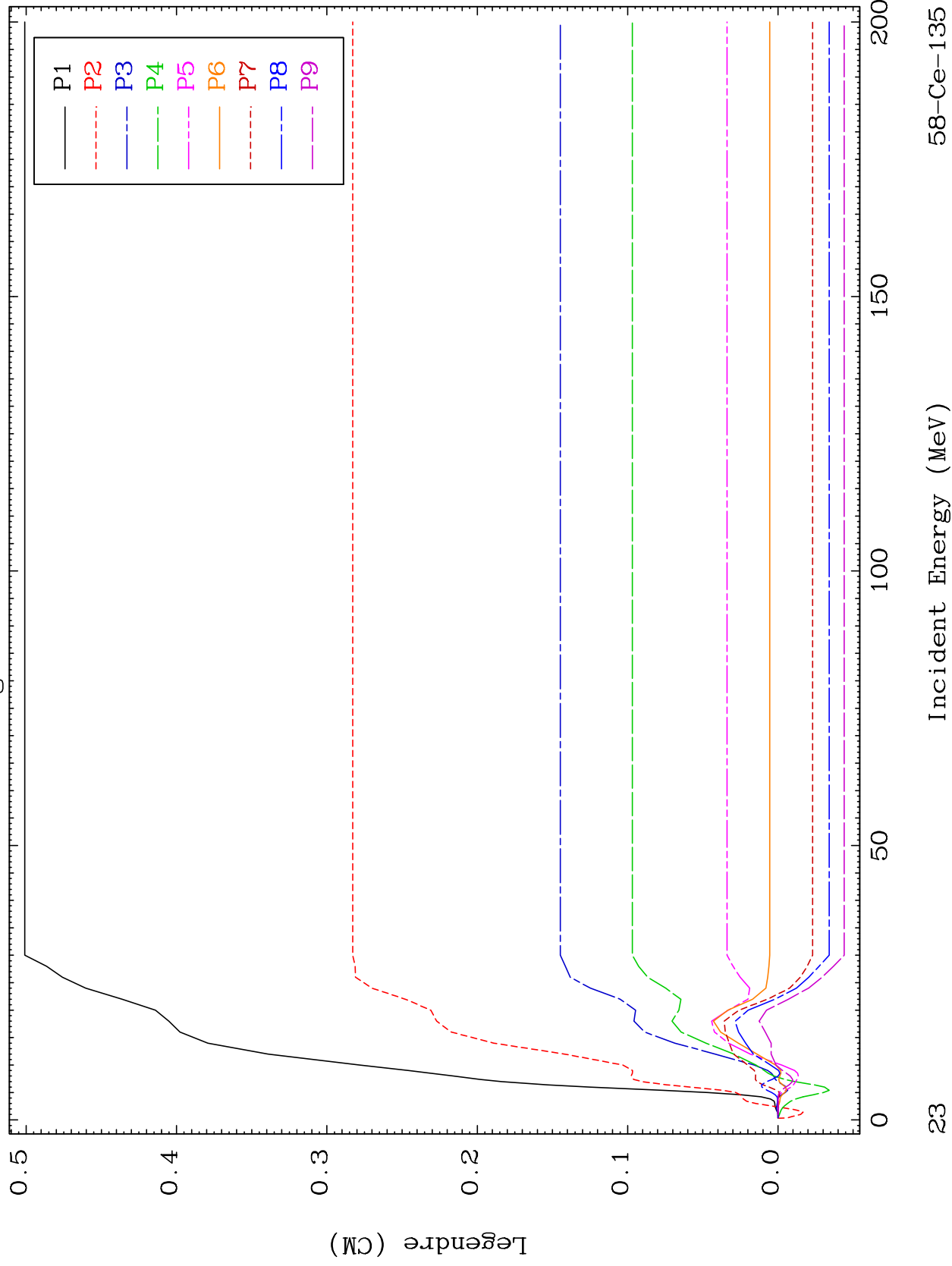




MAT 58222

296.1 keV (n,n') Level  
Legendre Coefficients

58-Ce-135



58-Ce-135

Incident Energy (MeV)

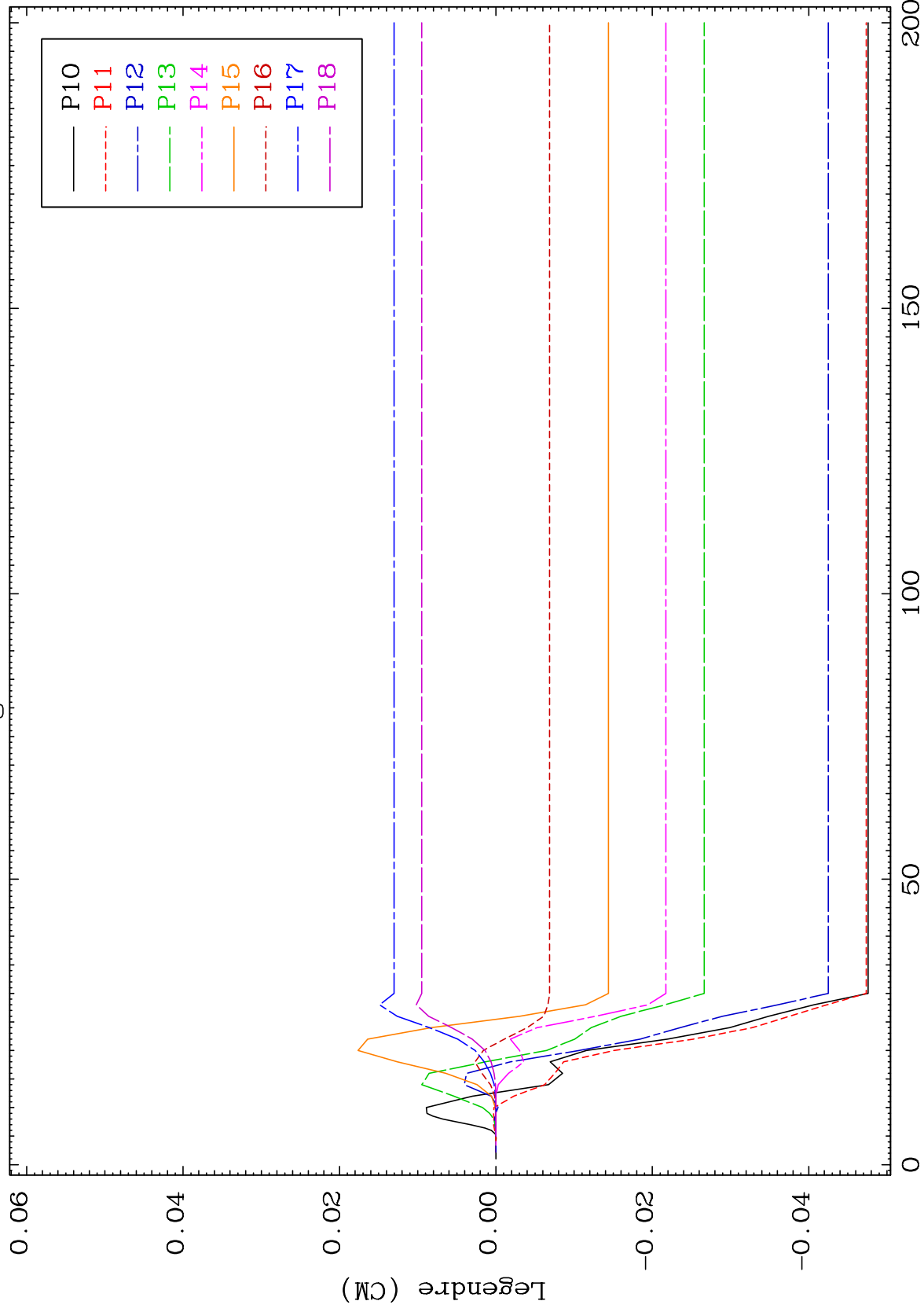
23



MAT 58222

296.1 keV (n,n') Level  
Legendre Coefficients

58-Ce-135



24

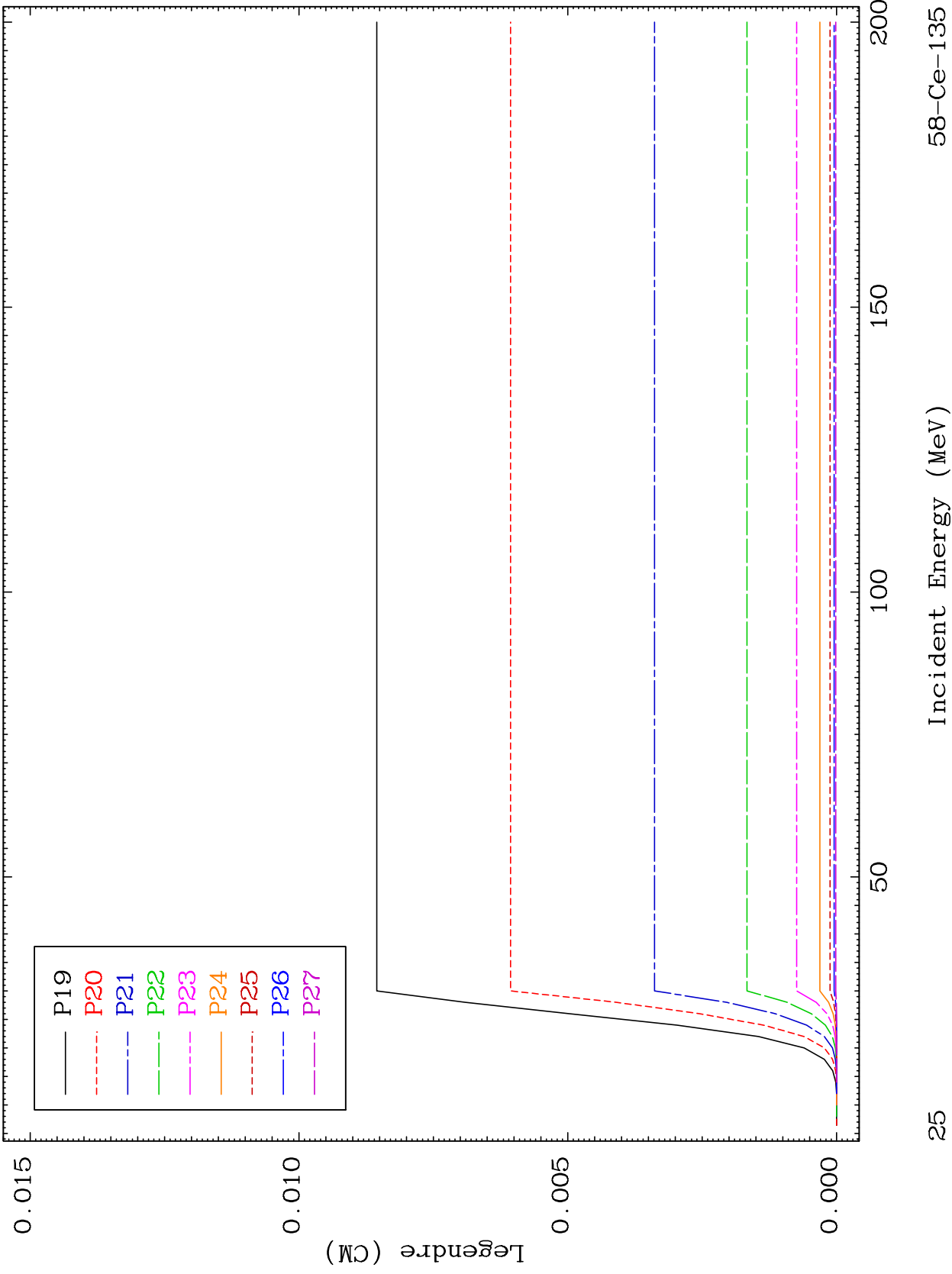
Incident Energy (MeV)

58-Ce-135

MAT 58222

296.1 keV (n,n') Level  
Legendre Coefficients

58-Ce-135



25

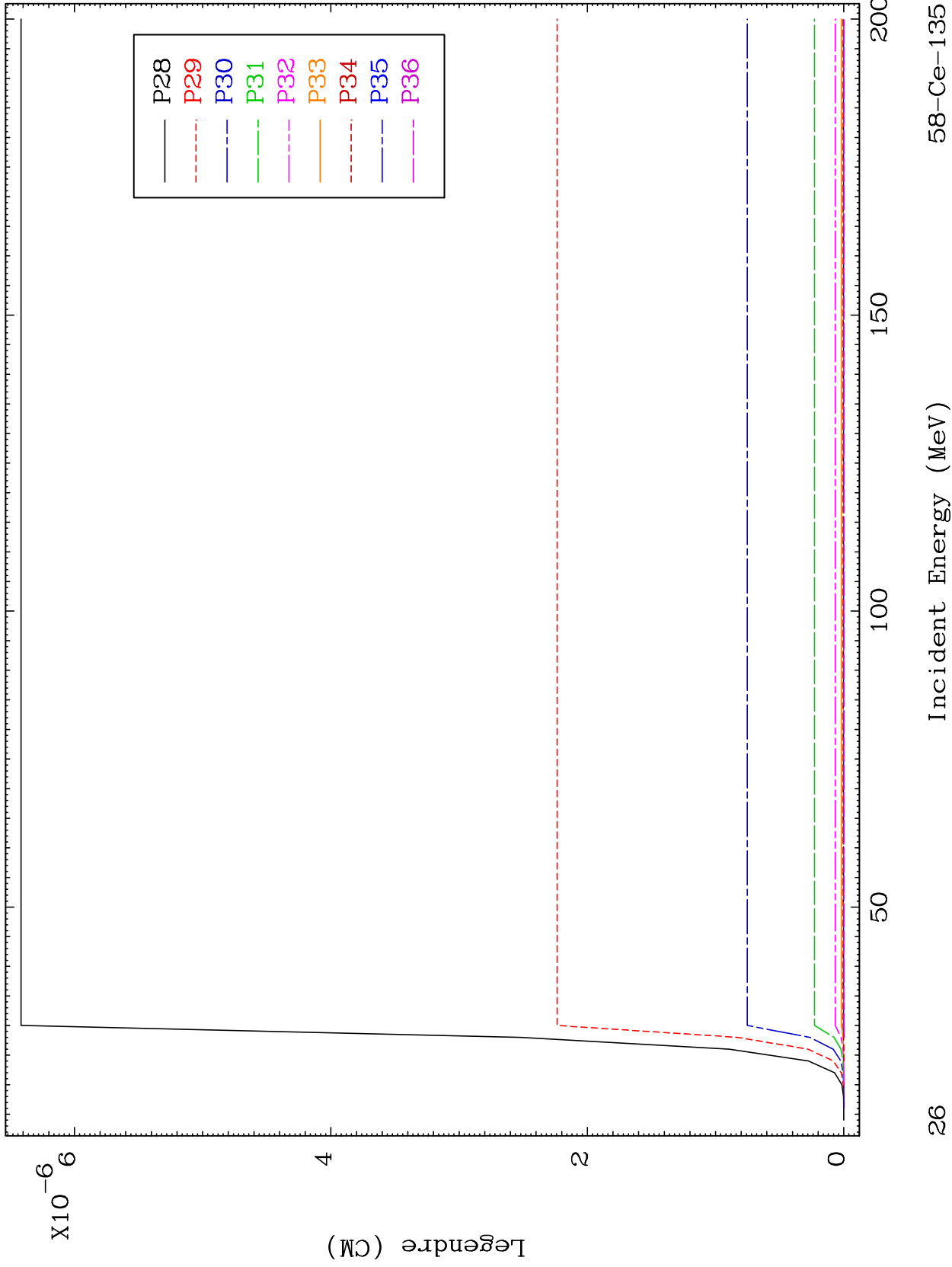
Incident Energy (MeV)

58-Ce-135

MAT 5822

296.1 keV (n,n') Level  
Legendre Coefficients

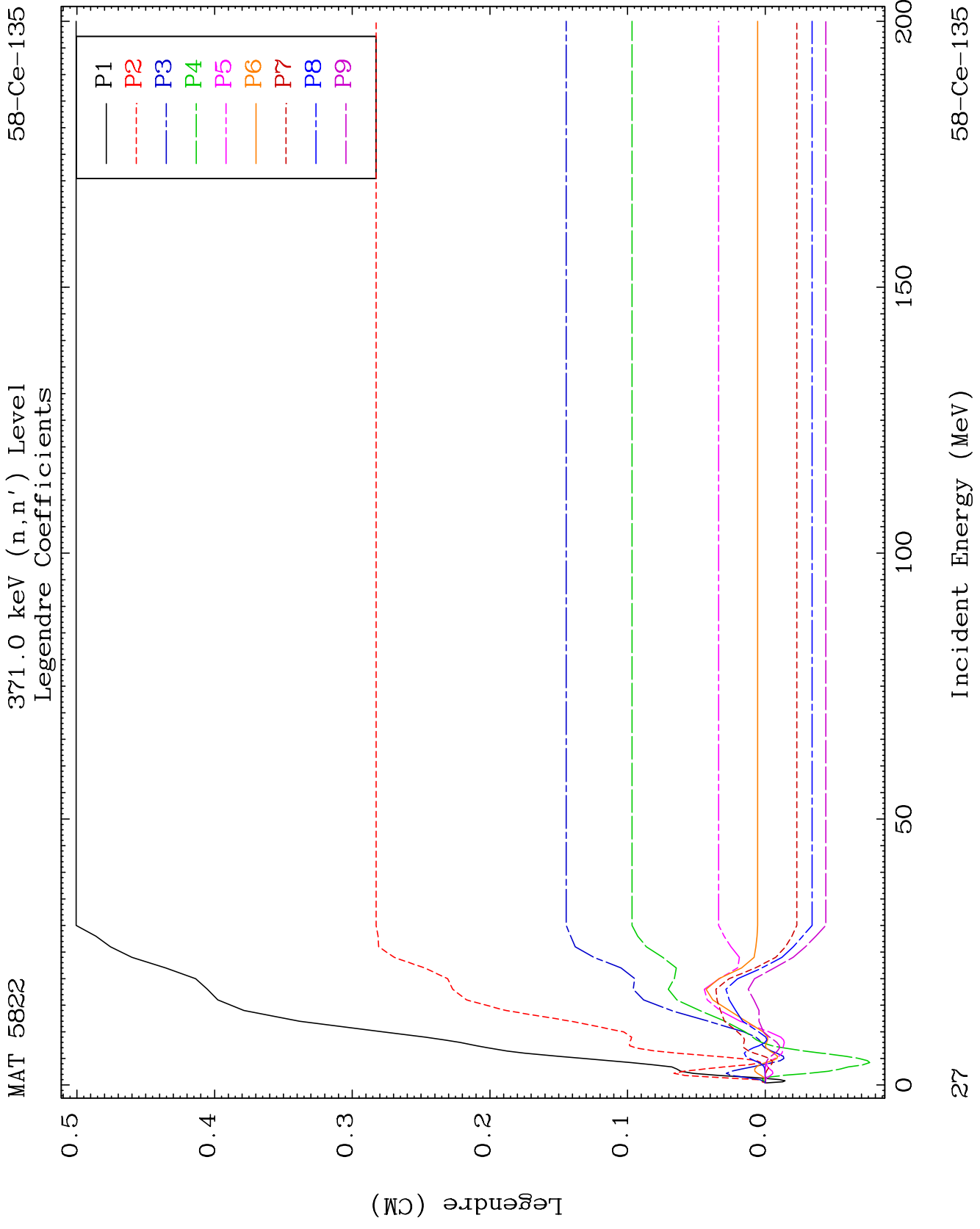
58-Ce-135

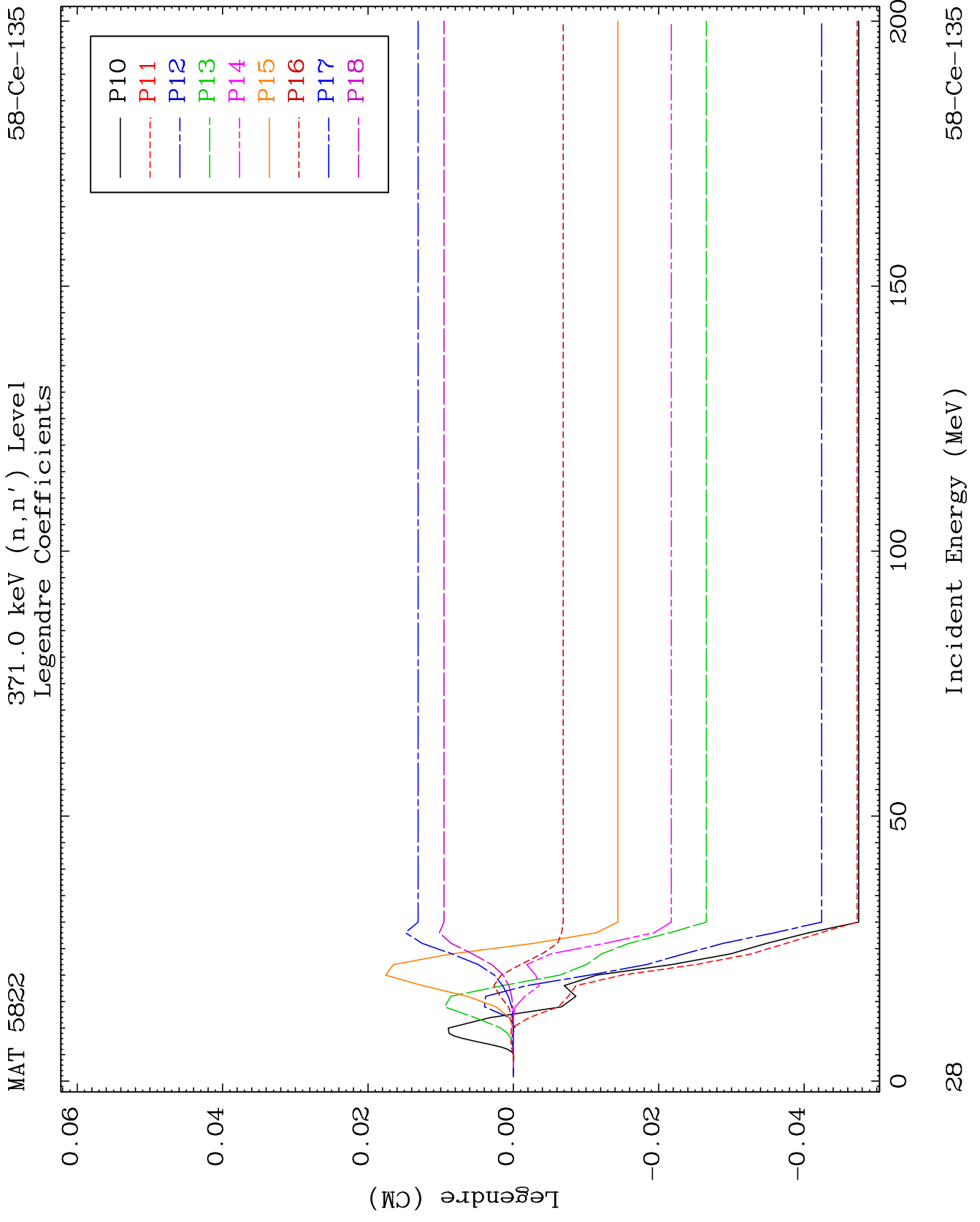


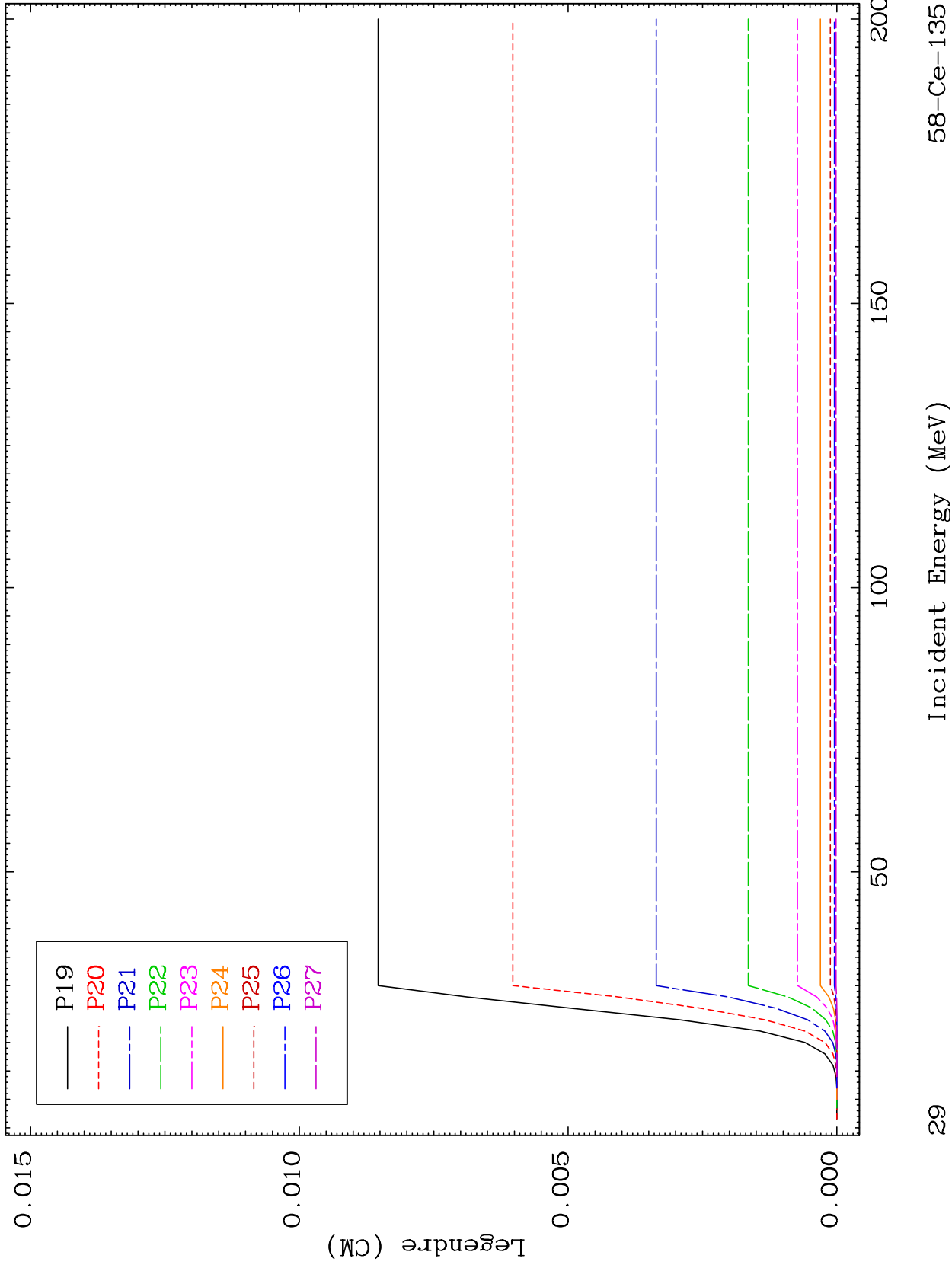
26

Incident Energy (MeV)

58-Ce-135



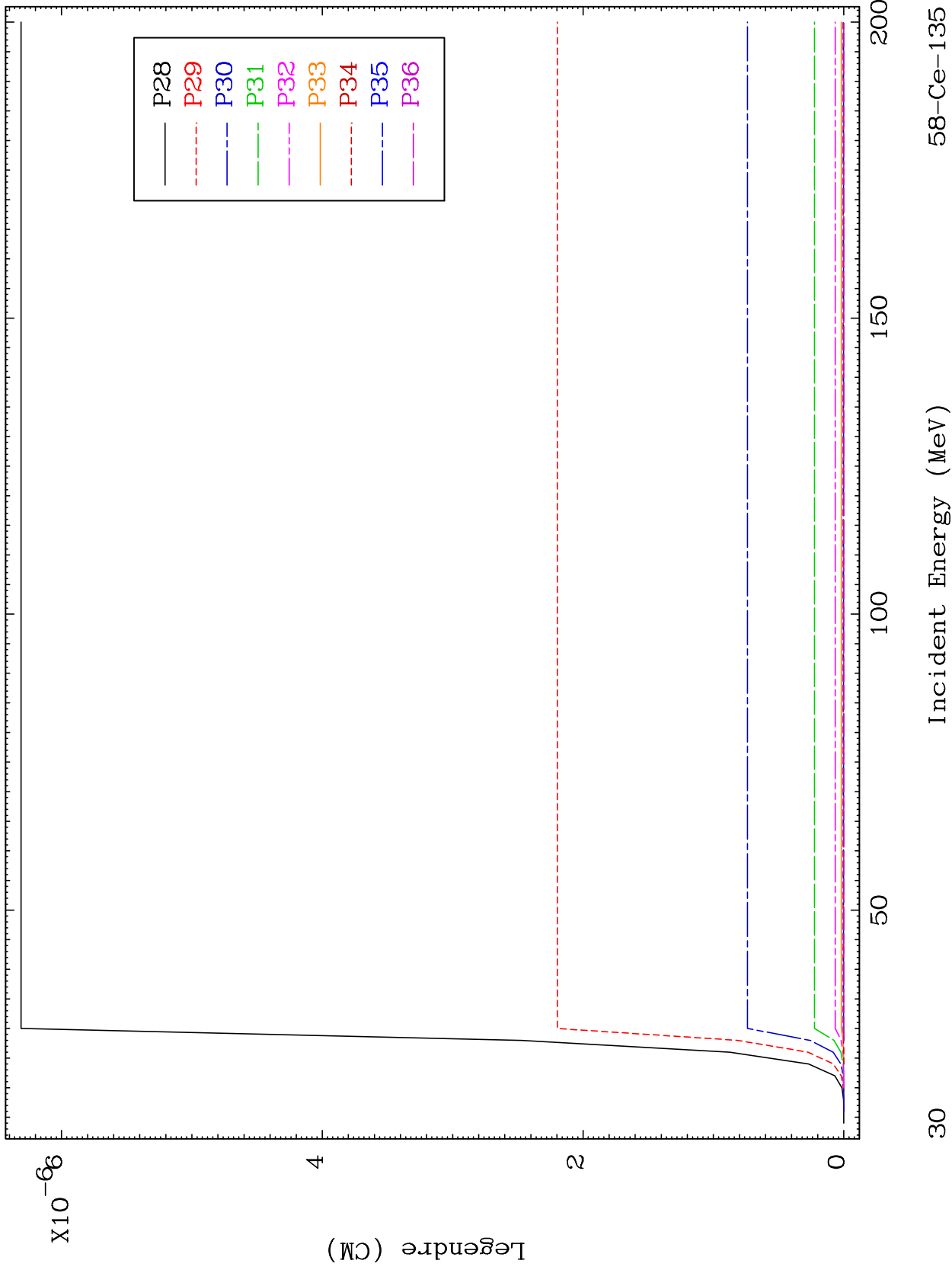




MAT 5822

371.0 keV (n,n') Level  
Legendre Coefficients

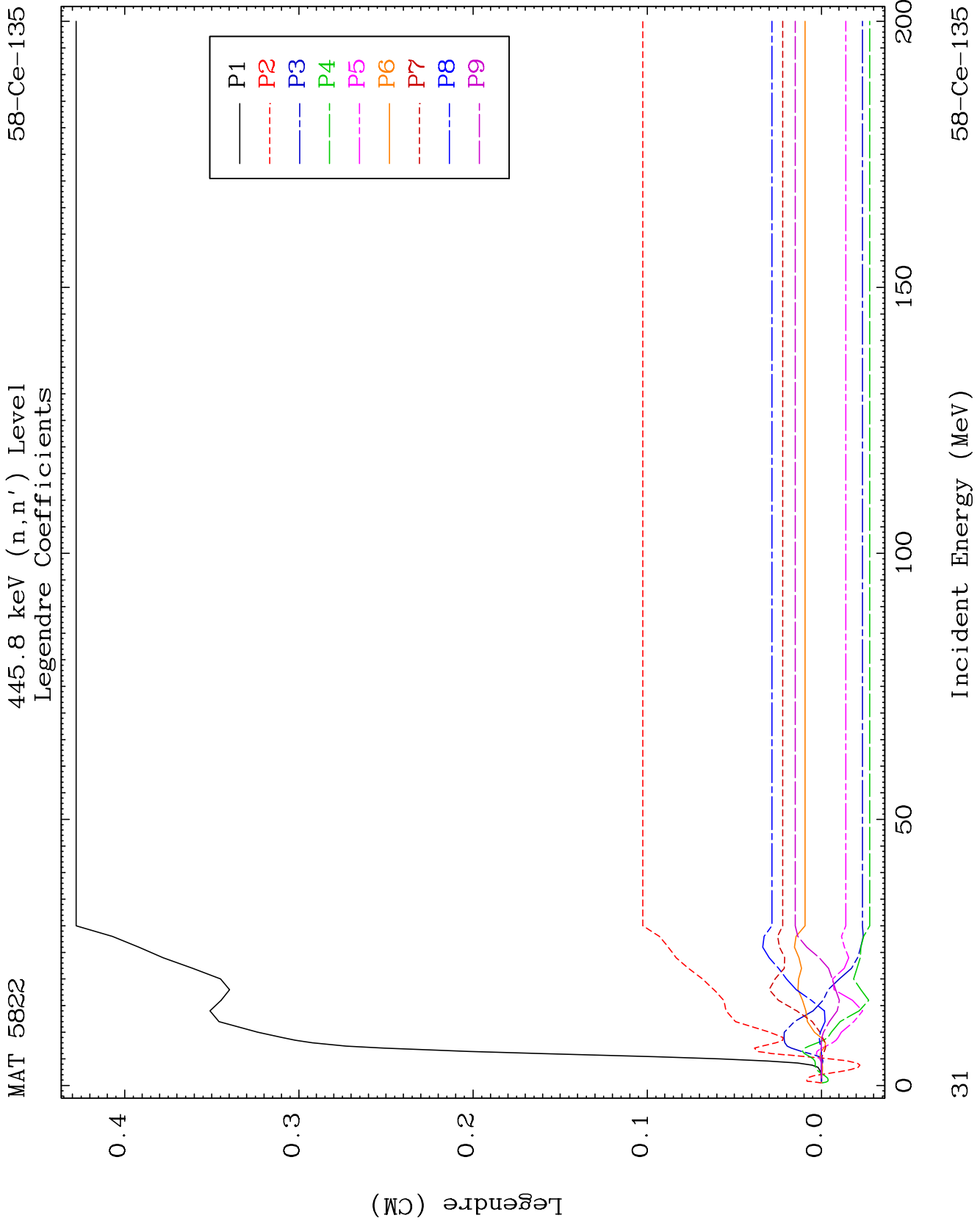
58-Ce-135



58-Ce-135

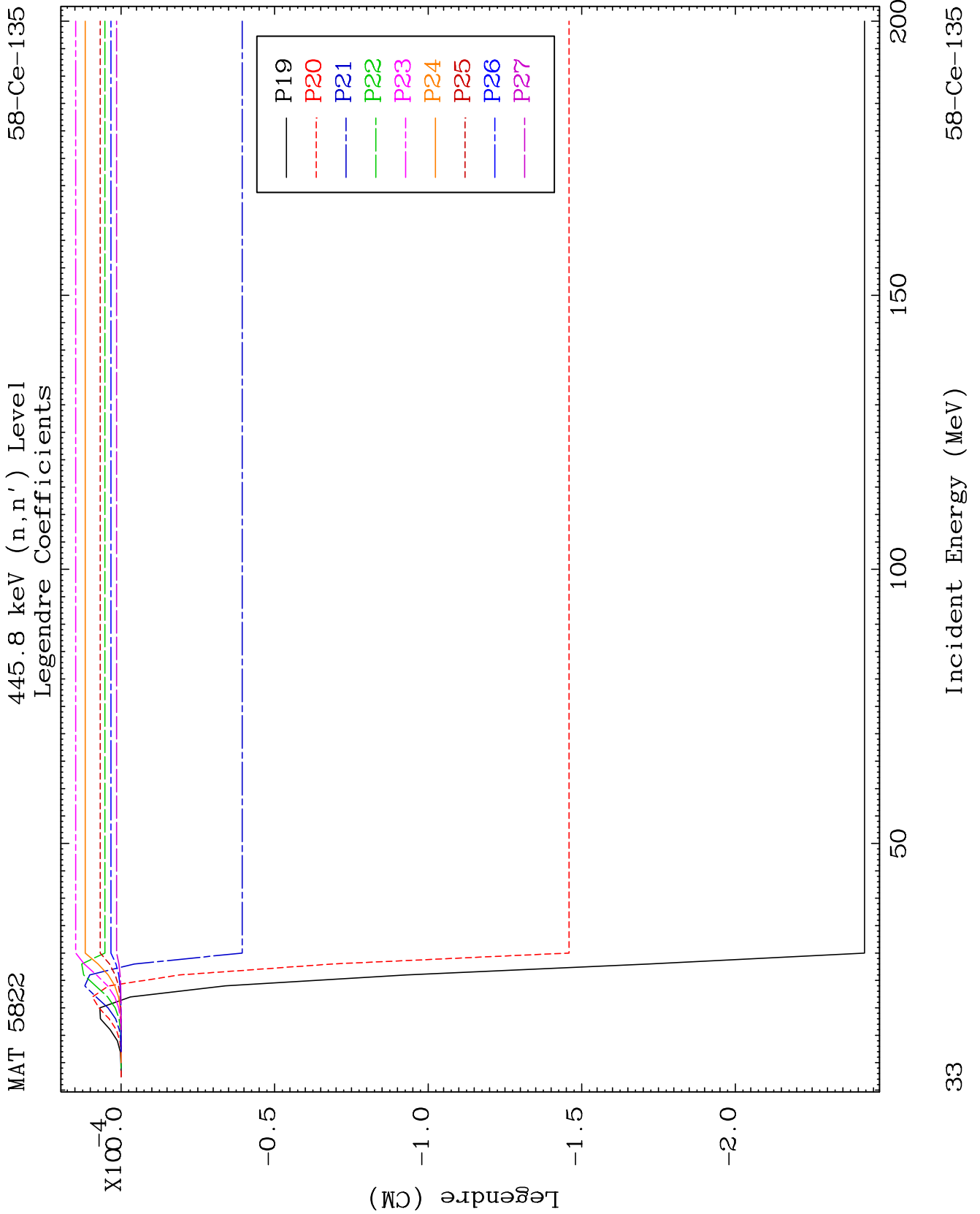
Incident Energy (MeV)

30





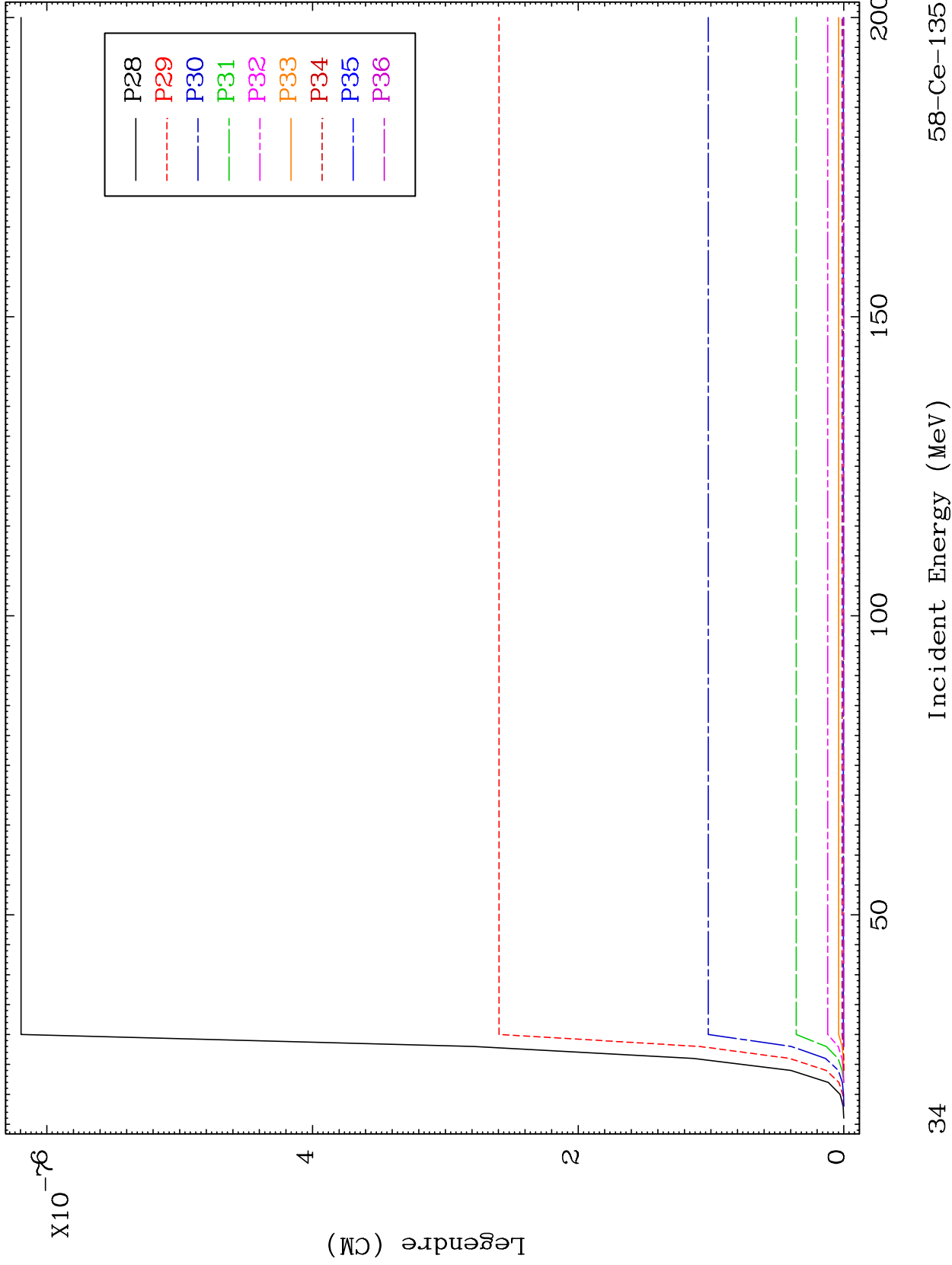




MAT 5822

445.8 keV (n,n') Level  
Legendre Coefficients

58-Ce-135



34

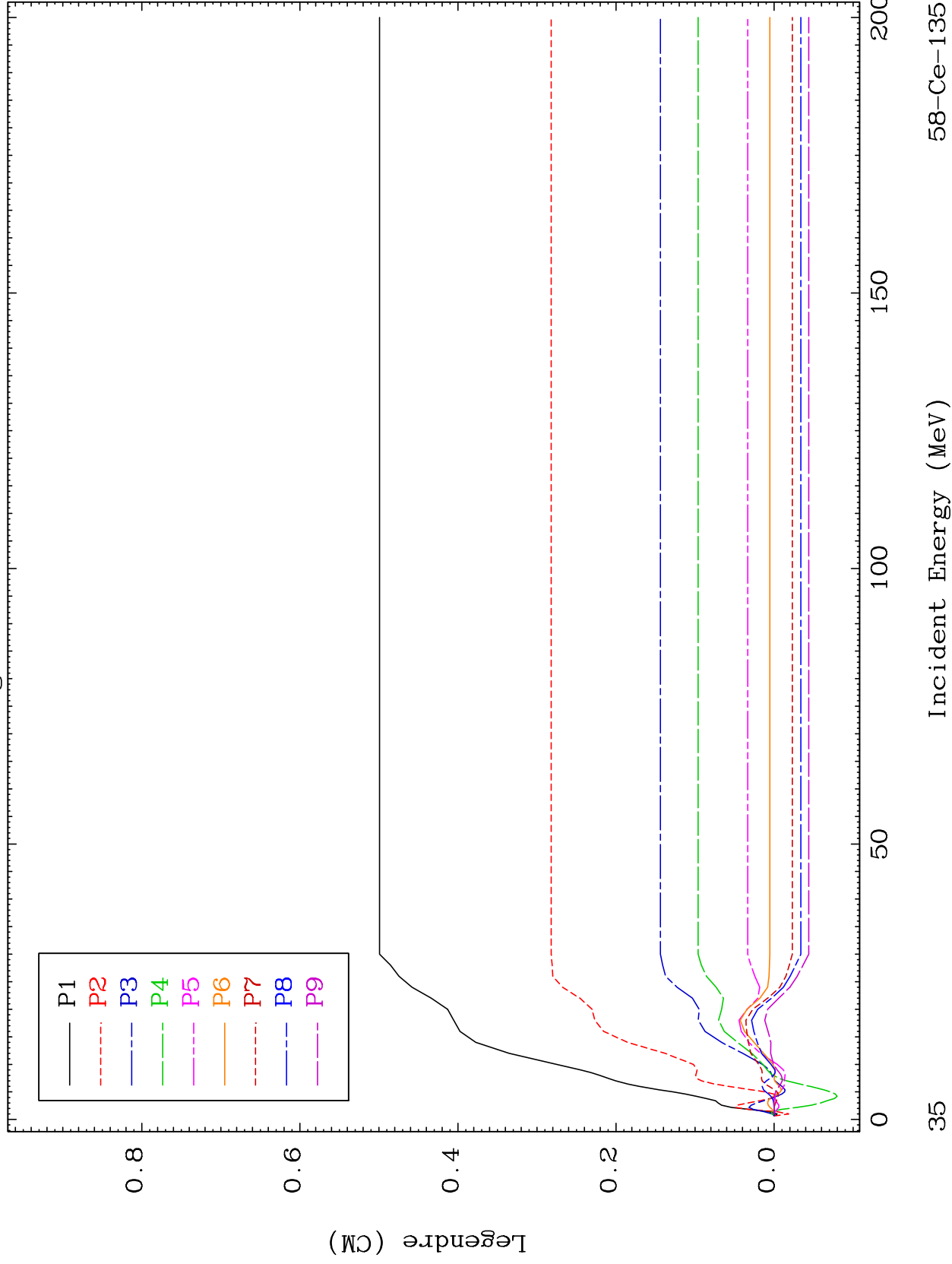
Incident Energy (MeV)

58-Ce-135

MAT 5822

620.9 keV (n,n') Level  
Legendre Coefficients

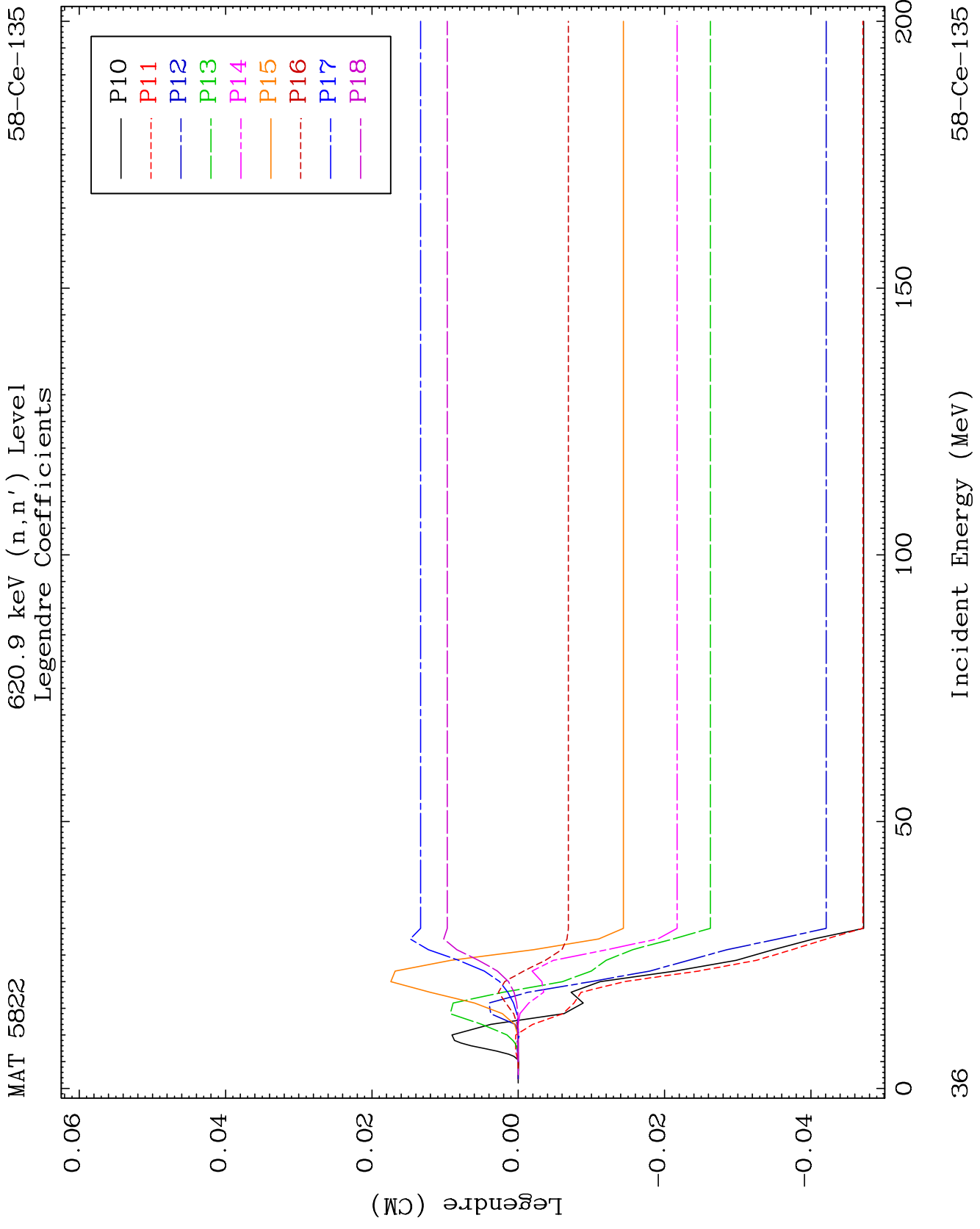
58-Ce-135



58-Ce-135

Incident Energy (MeV)

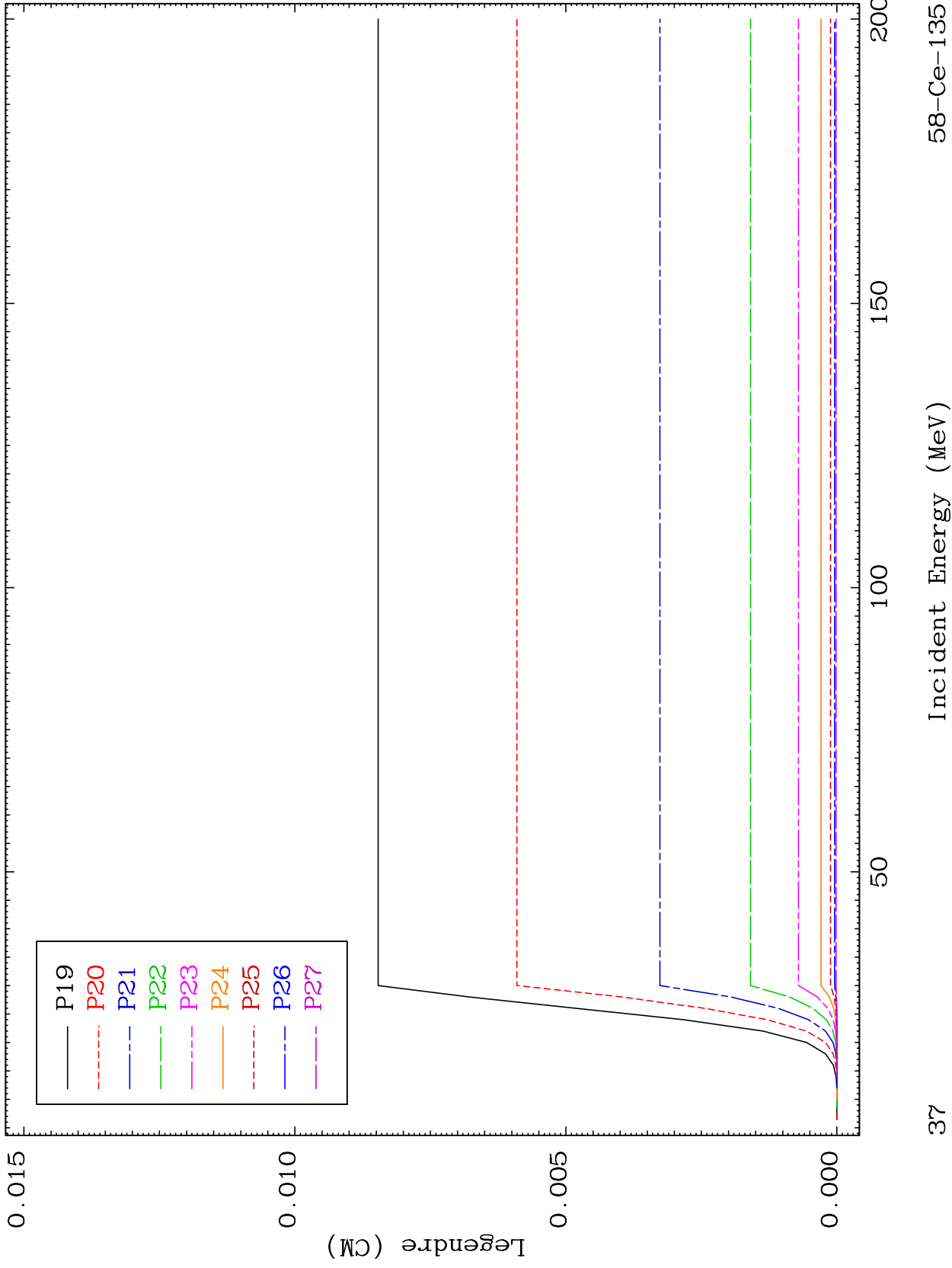
35



MAT 58222

620.9 keV (n,n') Level  
Legendre Coefficients

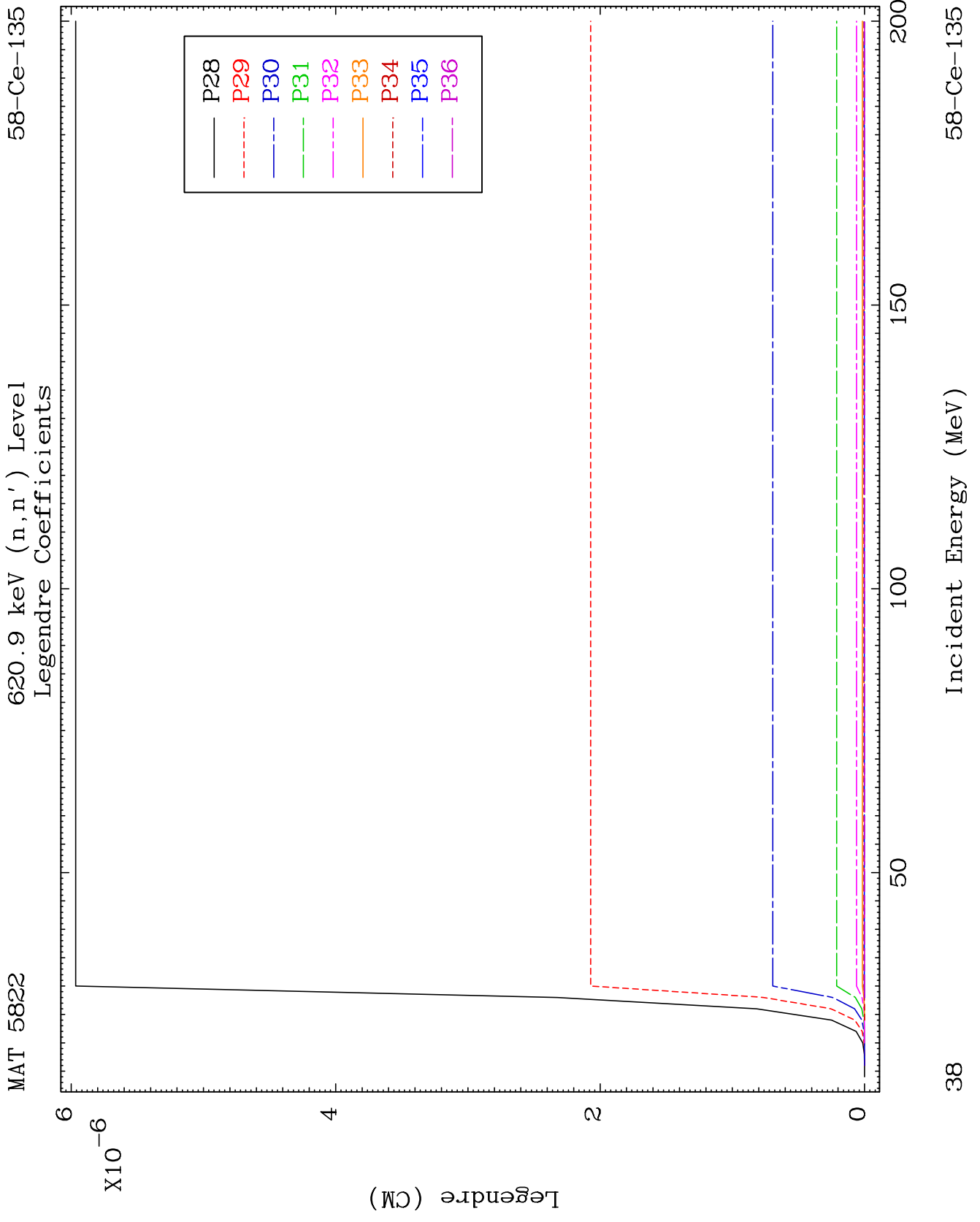
58-Ce-135



37

Incident Energy (MeV)

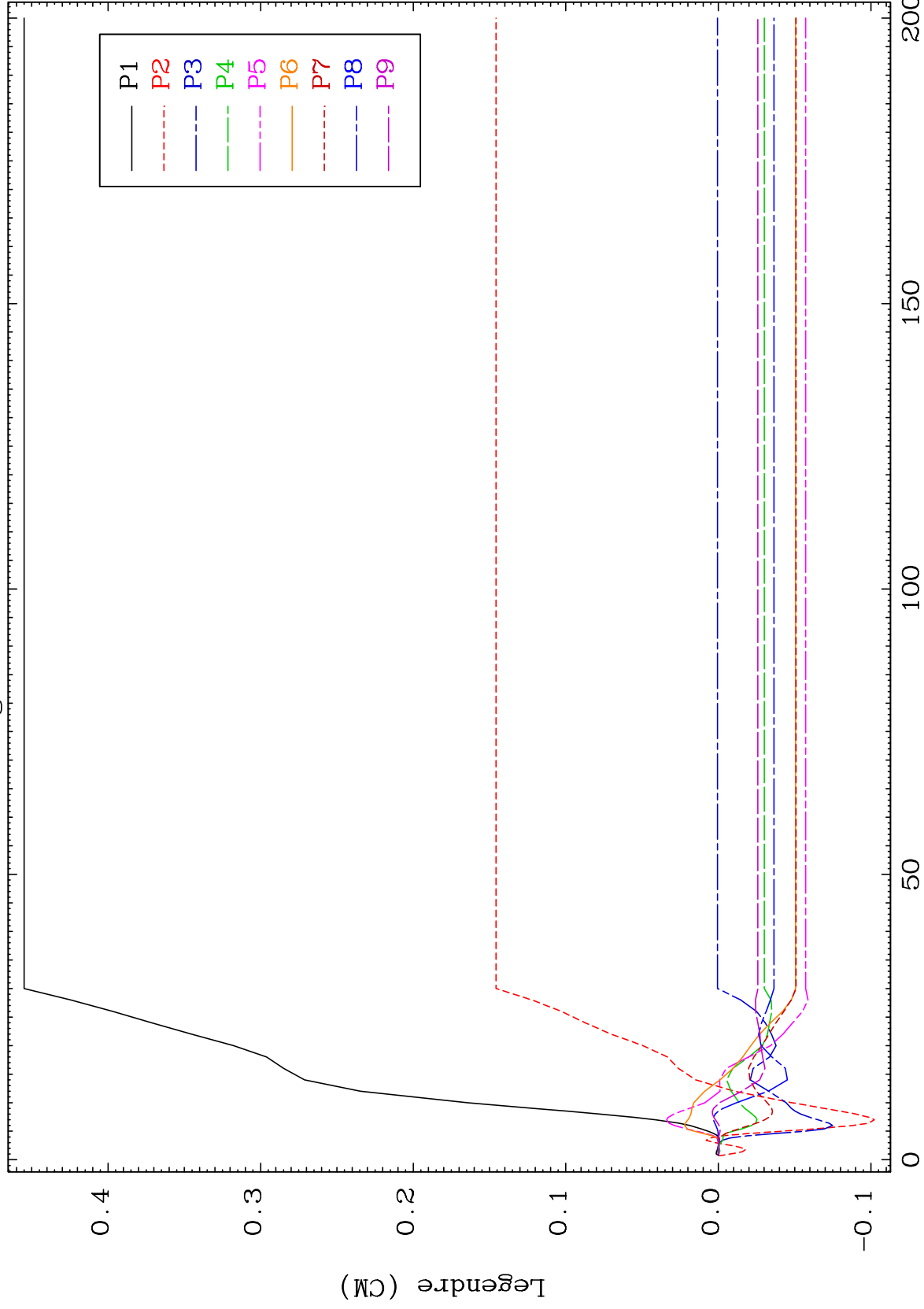
58-Ce-135



MAT 58222

696.5 keV (n,n') Level  
Legendre Coefficients

58-Ce-135



39

Incident Energy (MeV)

58-Ce-135

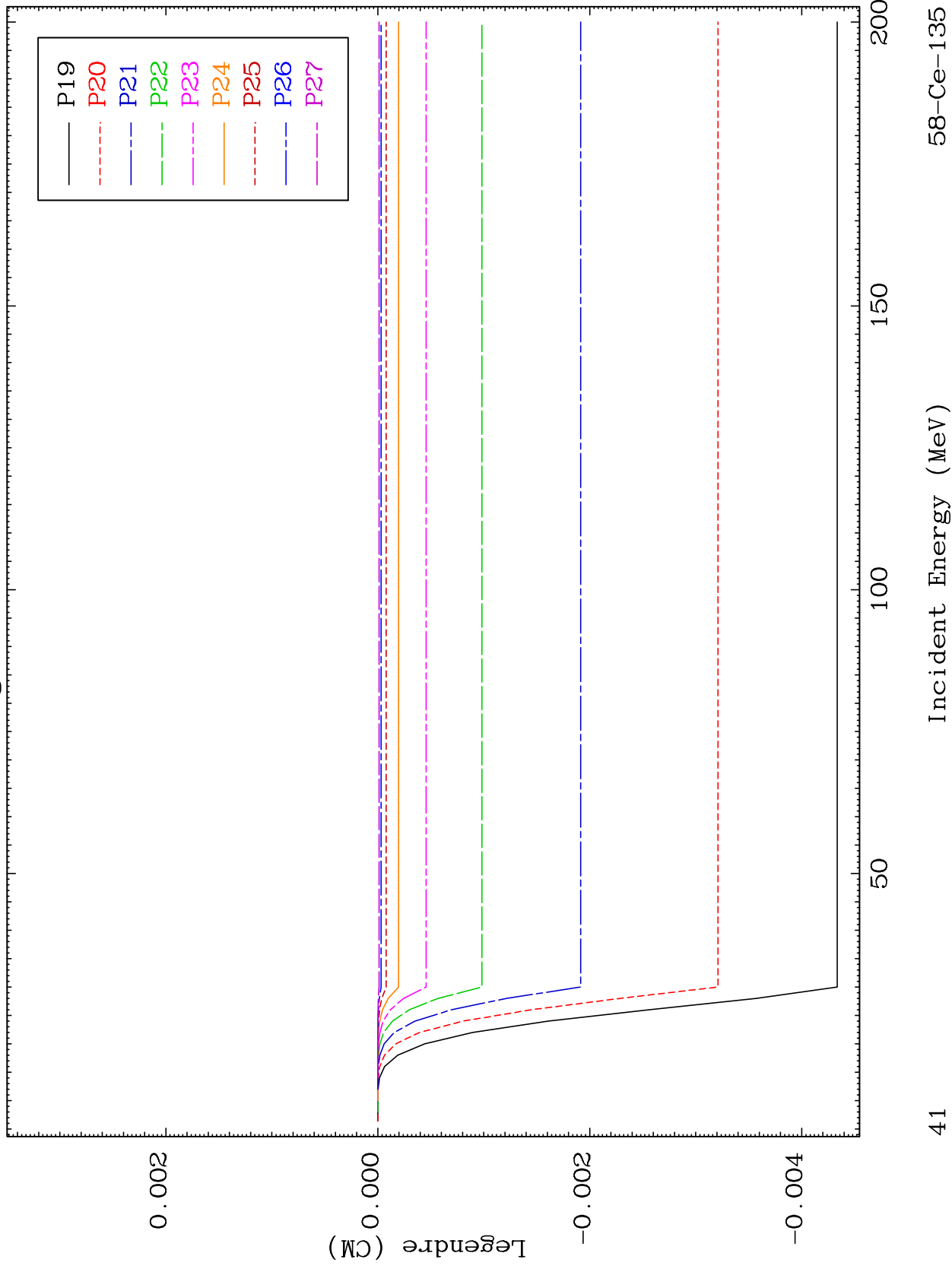




MAT 5822

696.5 keV (n,n') Level  
Legendre Coefficients

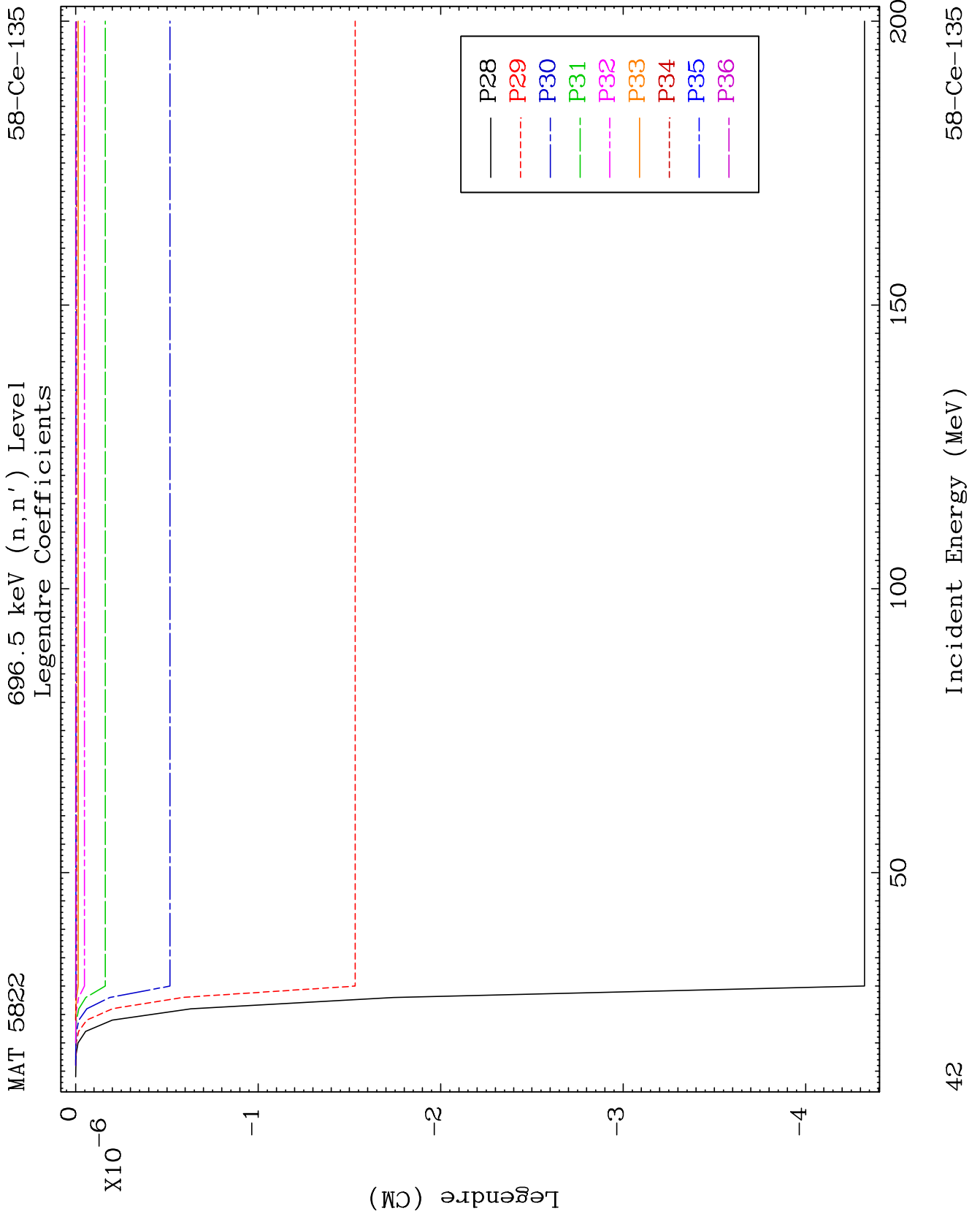
58-Ce-135

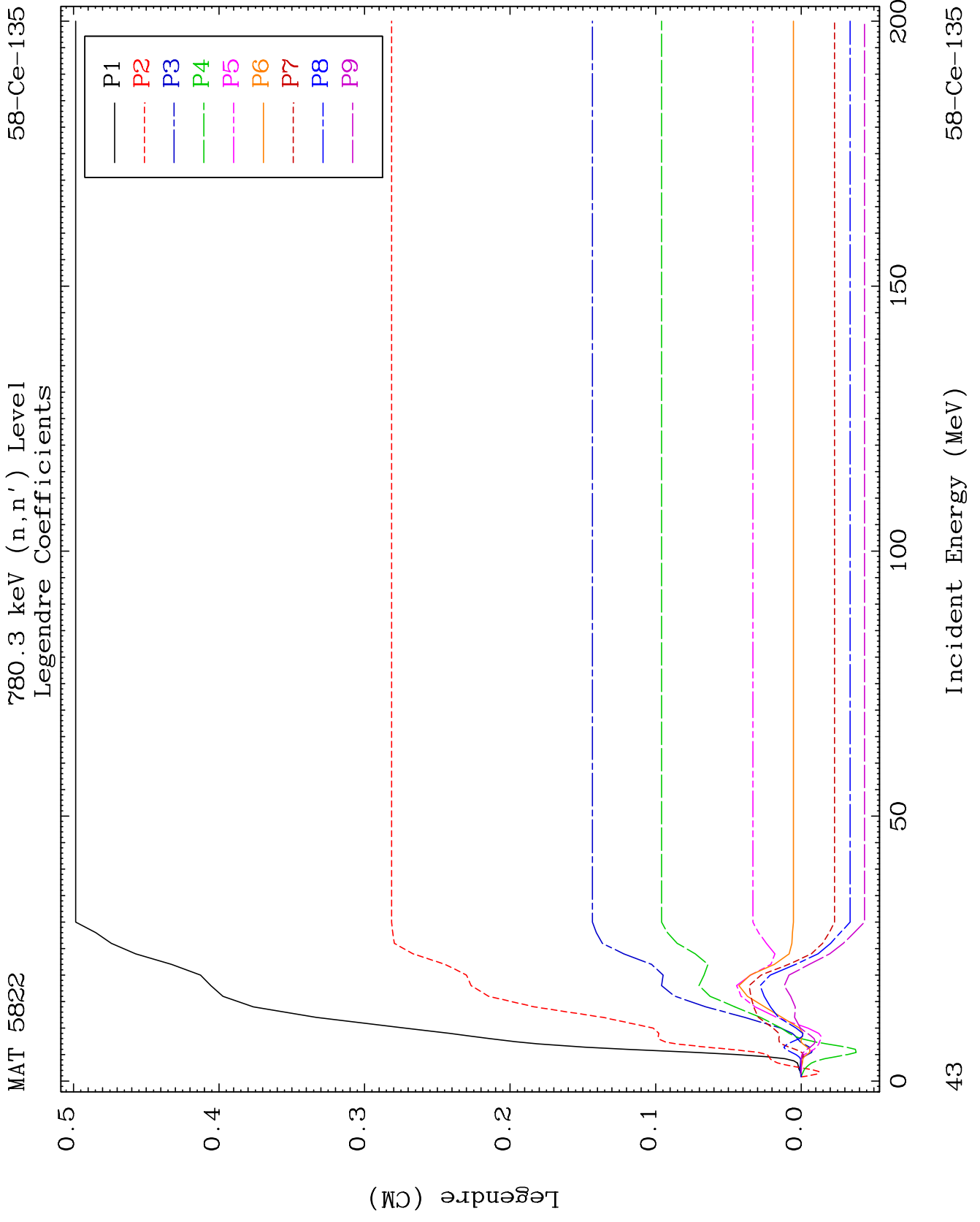


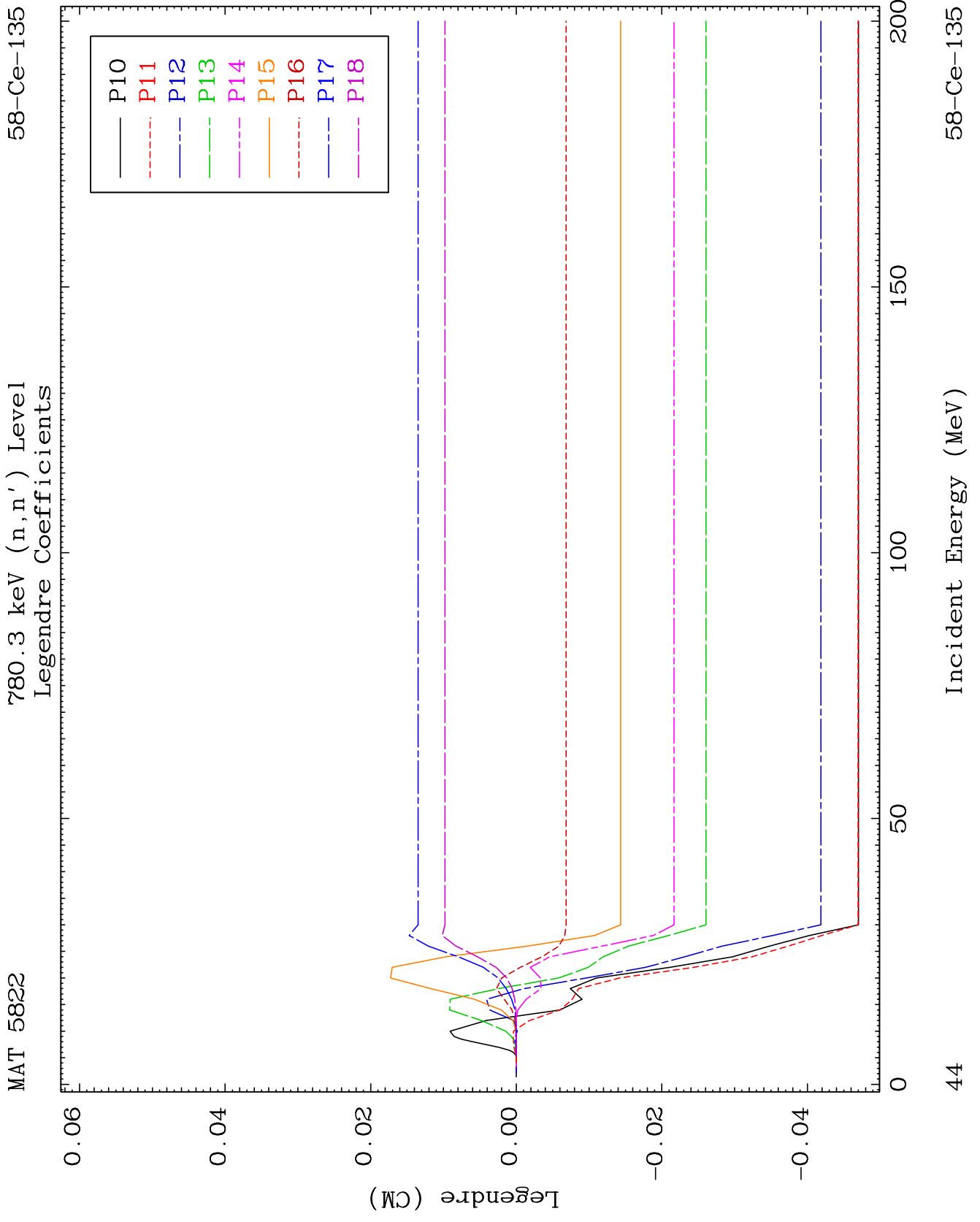
41

Incident Energy (MeV)

58-Ce-135



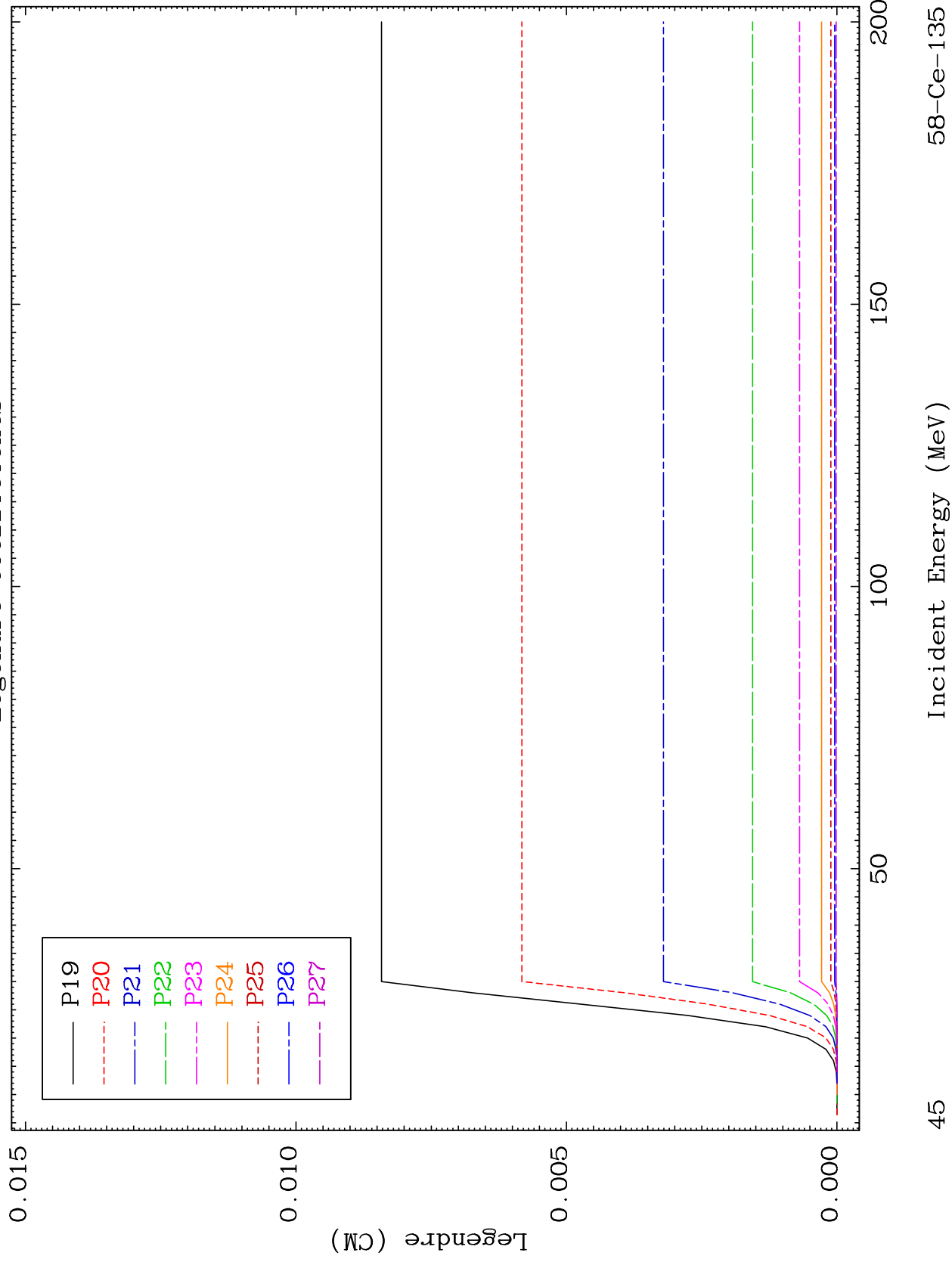




MAT 58222

780.3 keV (n,n') Level  
Legendre Coefficients

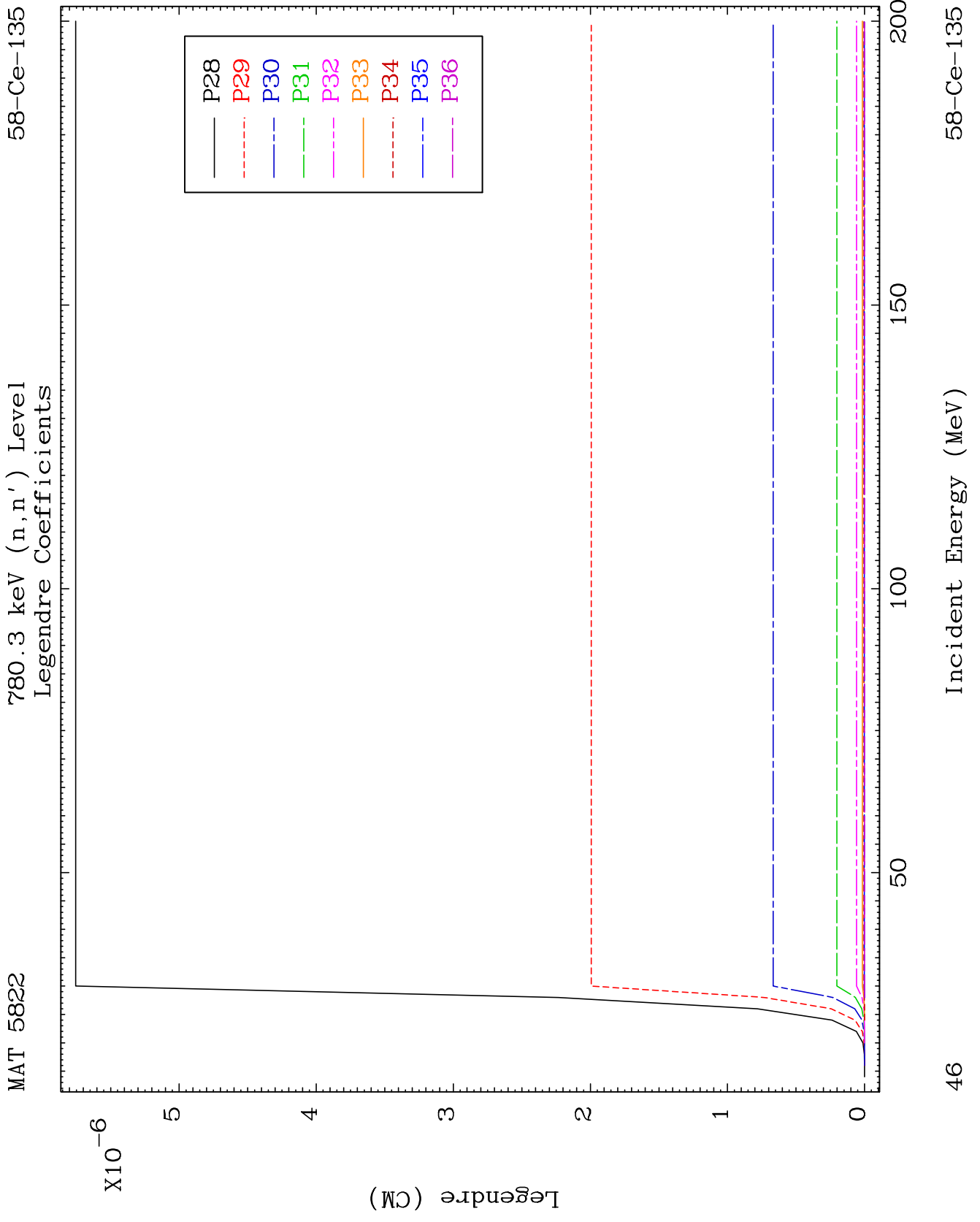
58-Ce-135



45

Incident Energy (MeV)

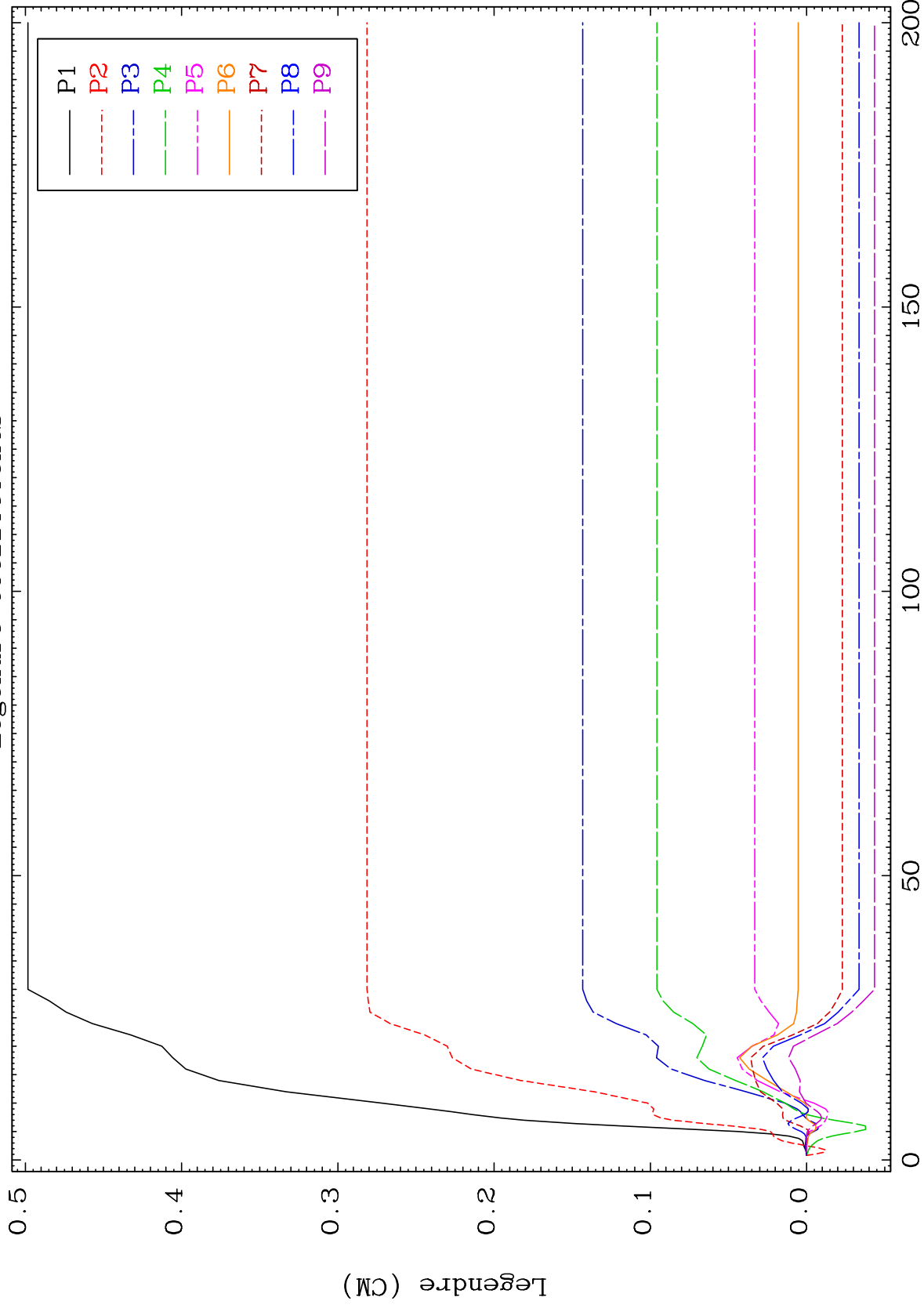
58-Ce-135



MAT 58222

806.9 keV (n,n') Level  
Legendre Coefficients

58-Ce-135



47

Incident Energy (MeV)

58-Ce-135

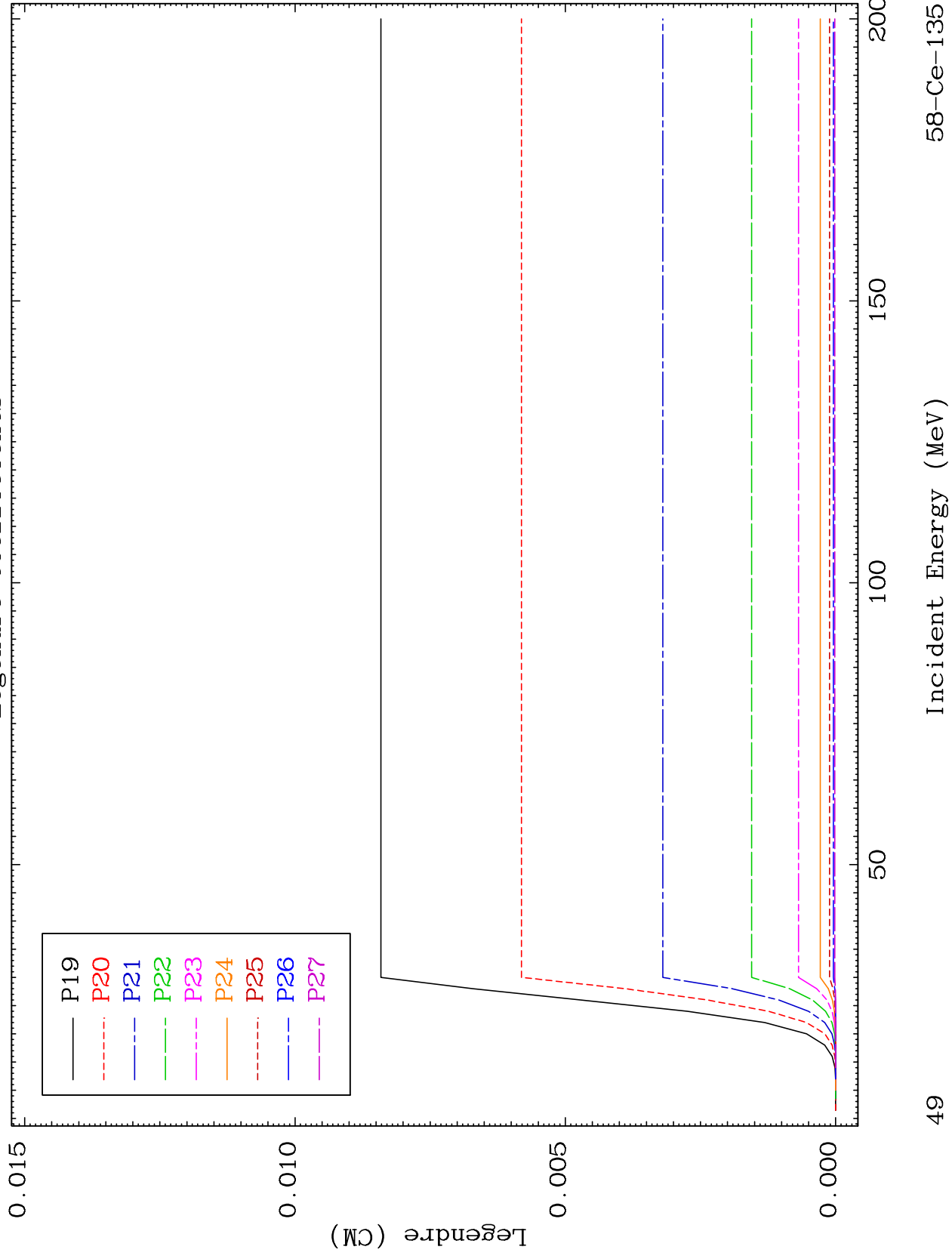




MAT 58222

806.9 keV (n,n') Level  
Legendre Coefficients

58-Ce-135



49

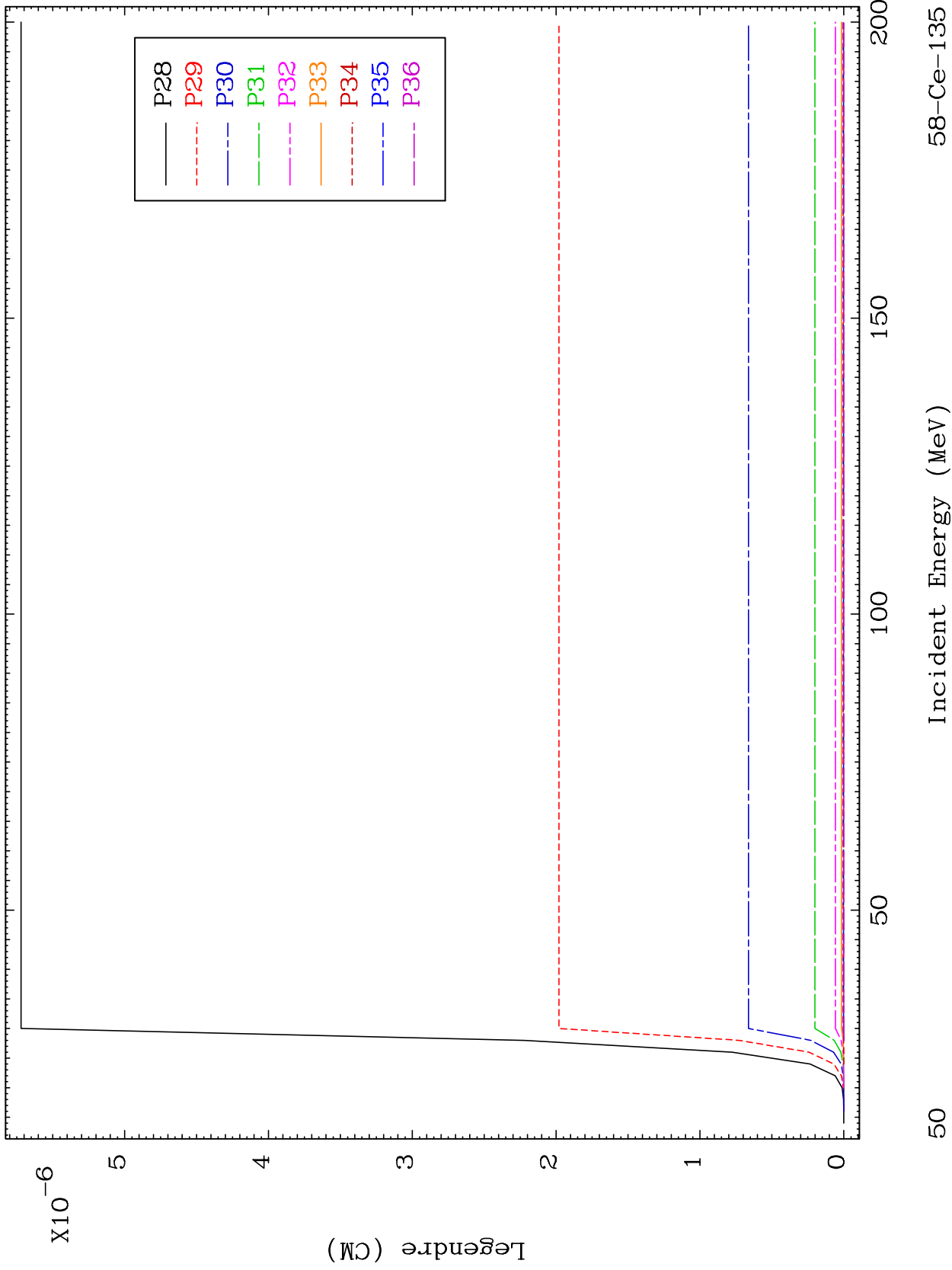
Incident Energy (MeV)

58-Ce-135

MAT 5822

806.9 keV (n,n') Level  
Legendre Coefficients

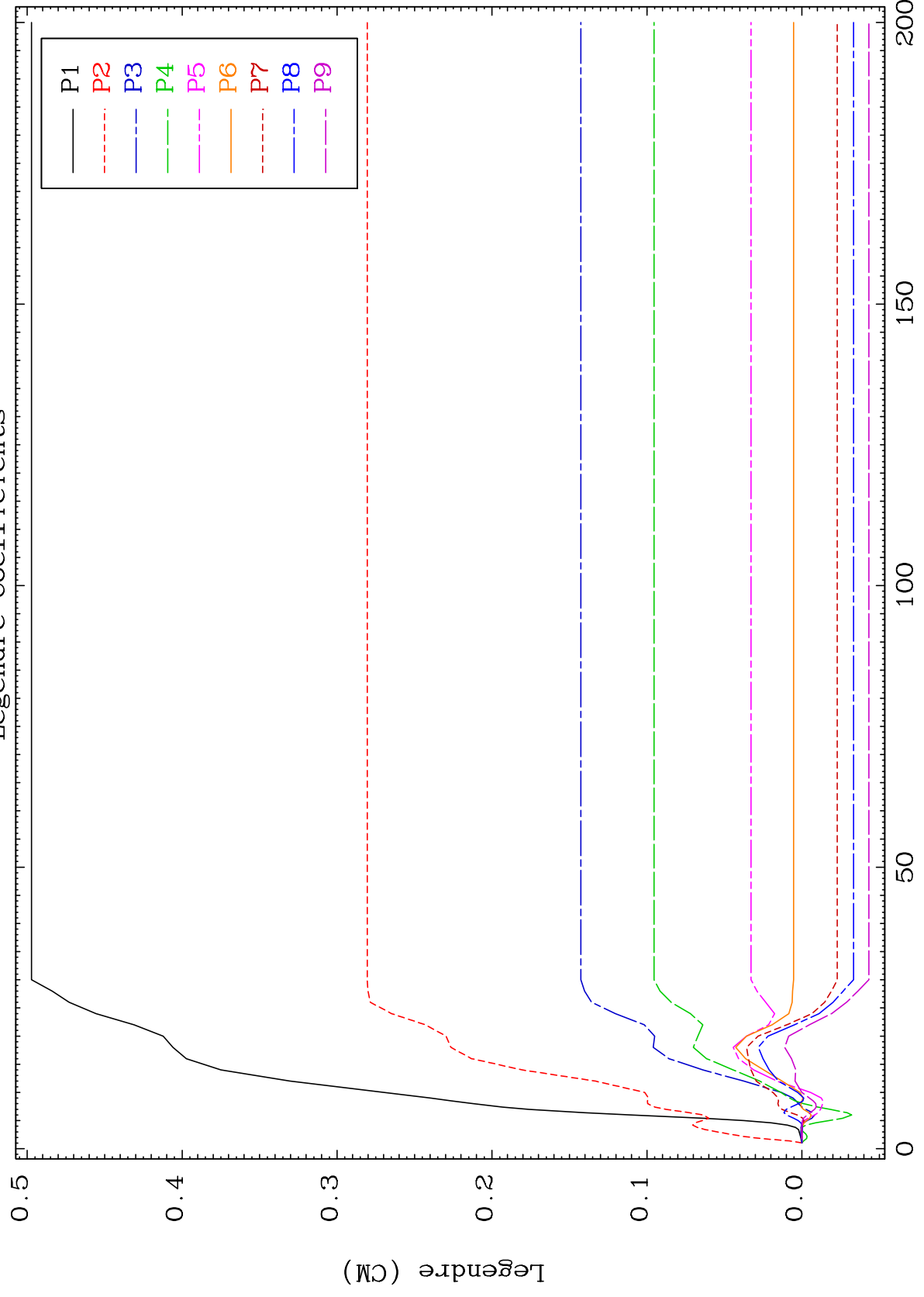
58-Ce-135



MAT 58222

1.017 MeV (n,n') Level  
Legendre Coefficients

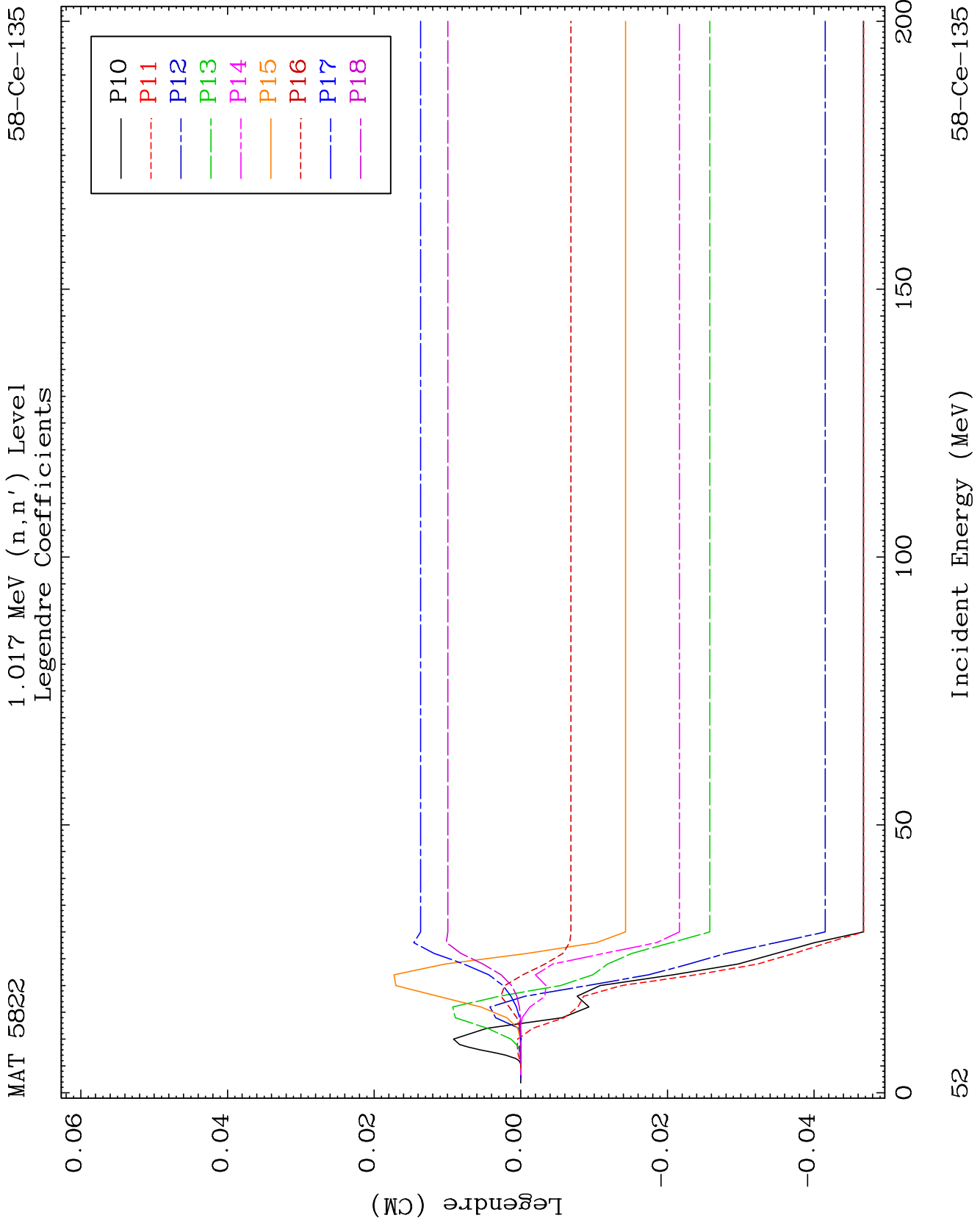
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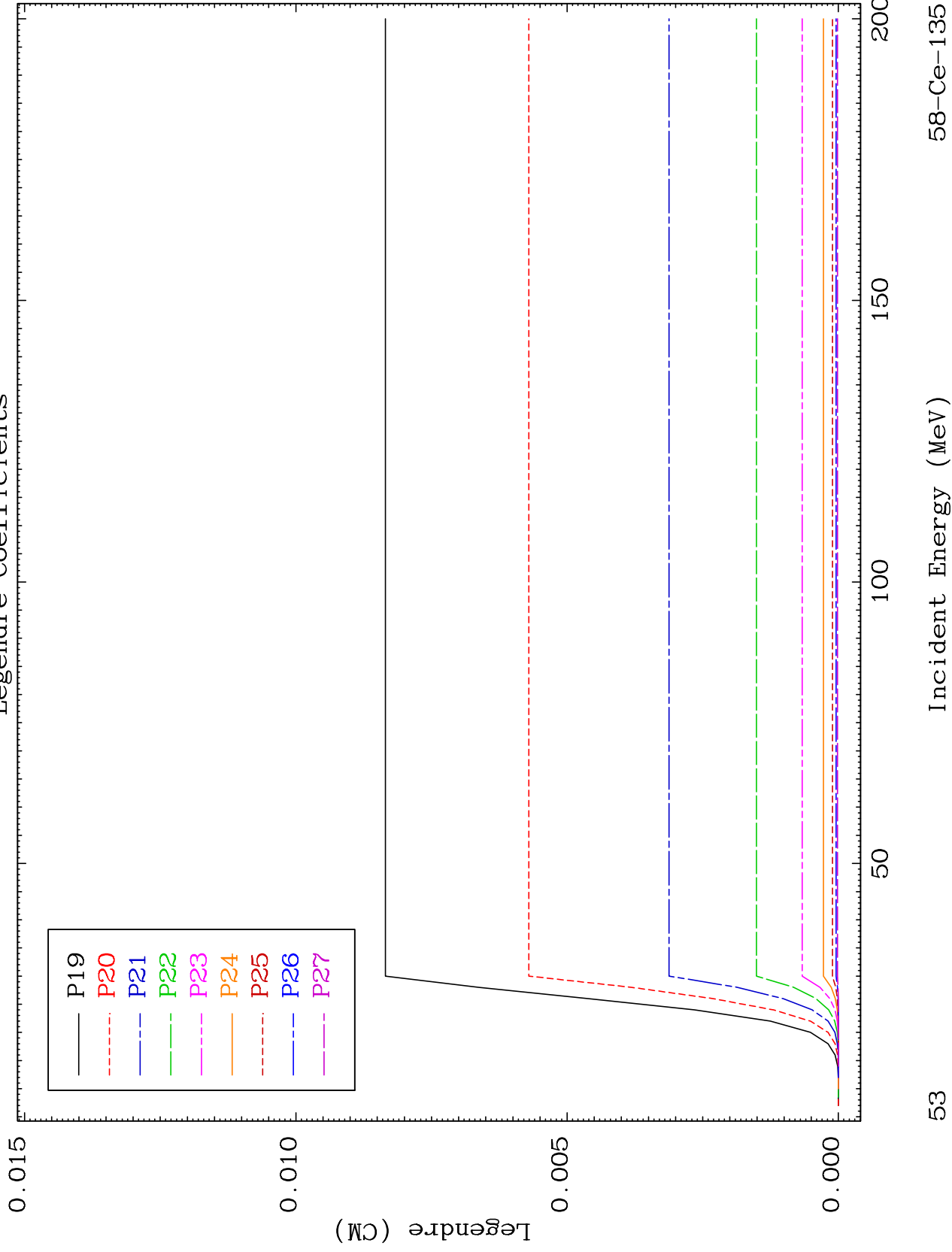


51

Incident Energy (MeV)

58-Ce-135

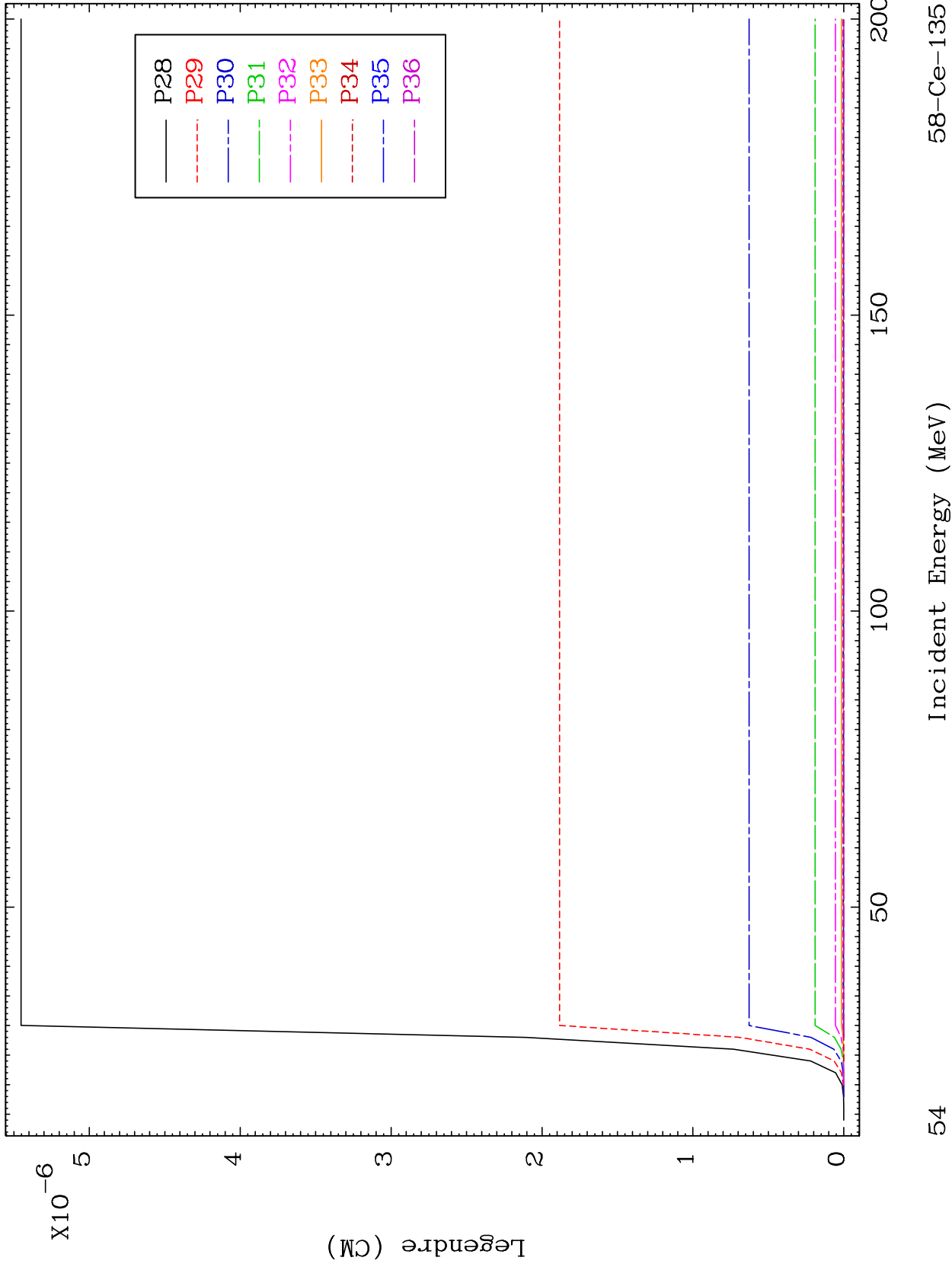




MAT 5822

1.017 MeV (n,n') Level  
Legendre Coefficients

58-Ce-135



54

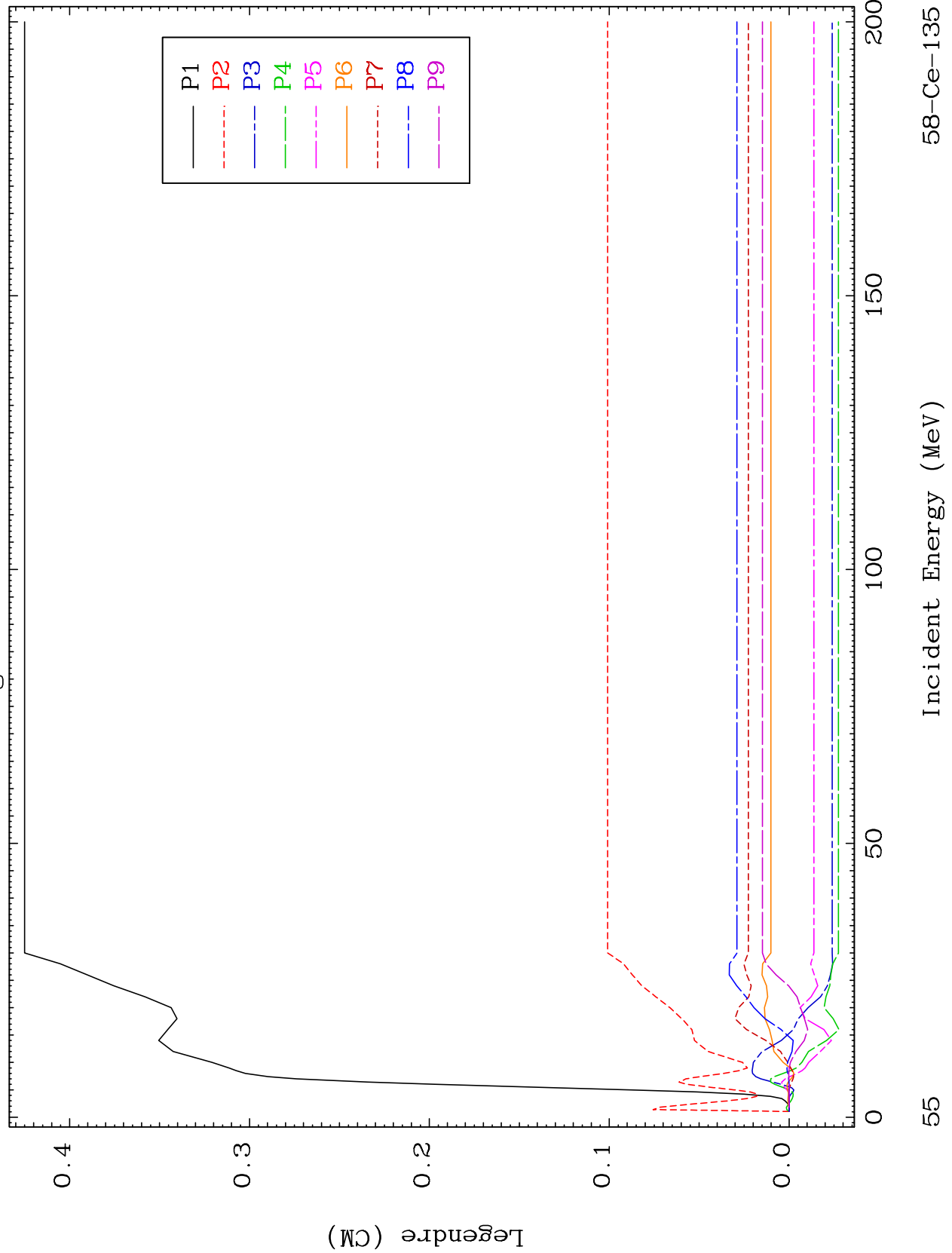
Incident Energy (MeV)

58-Ce-135

MAT 5822

1.036 MeV (n,n') Level  
Legendre Coefficients

58-Ce-135



58-Ce-135

Incident Energy (MeV)

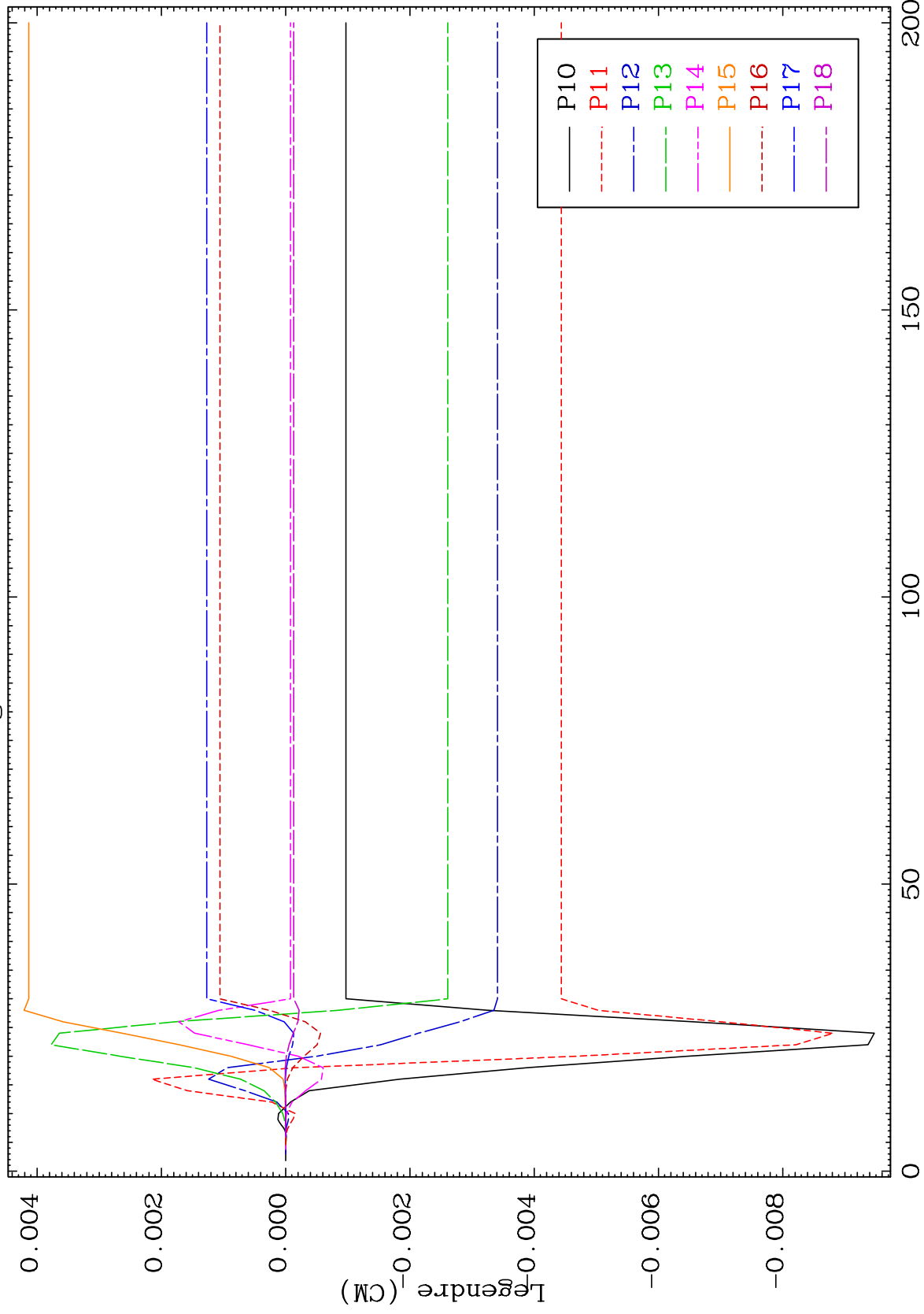
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MAT 5822

1.036 MeV (n,n') Level  
Legendre Coefficients

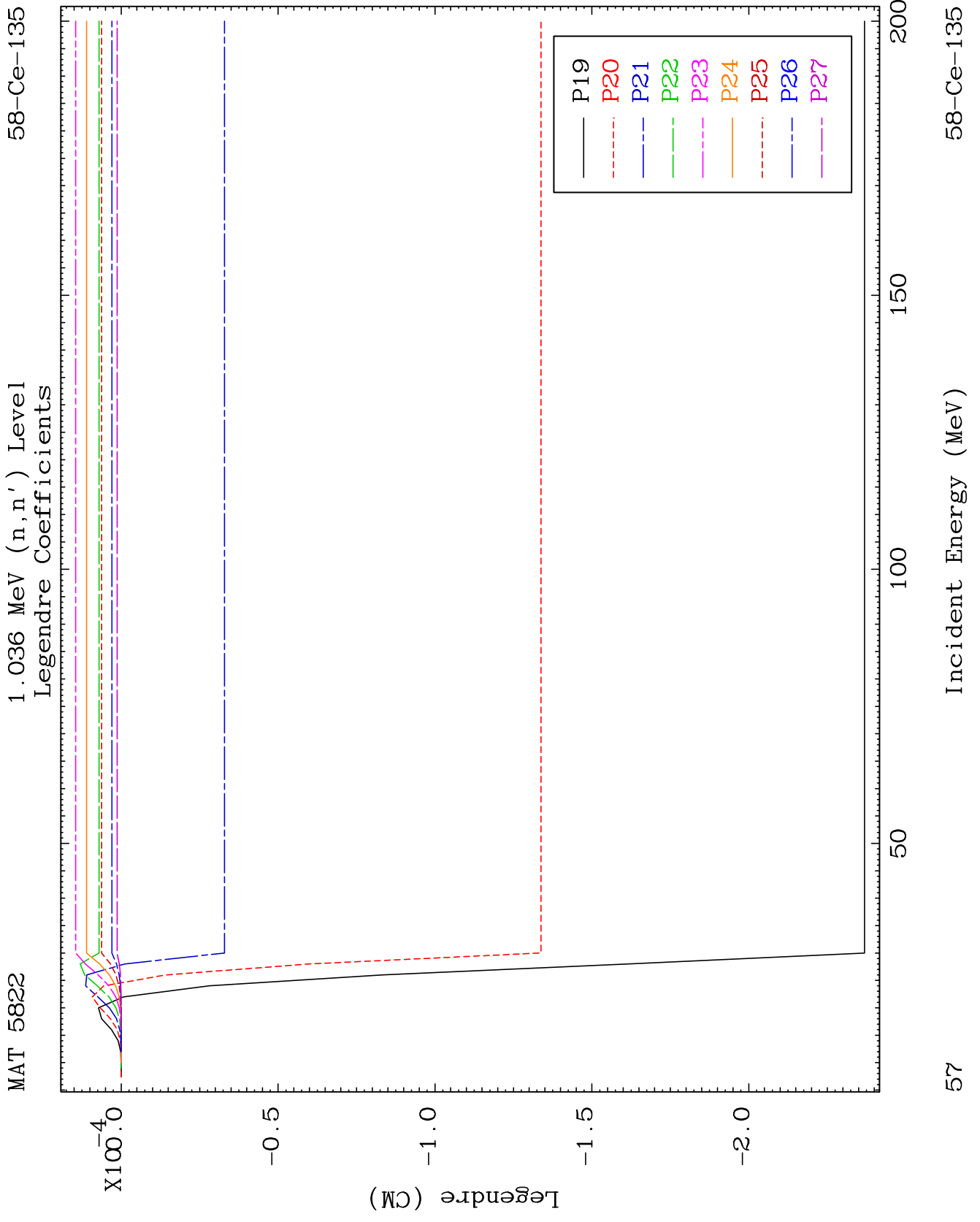
58-Ce-135



56

Incident Energy (MeV)

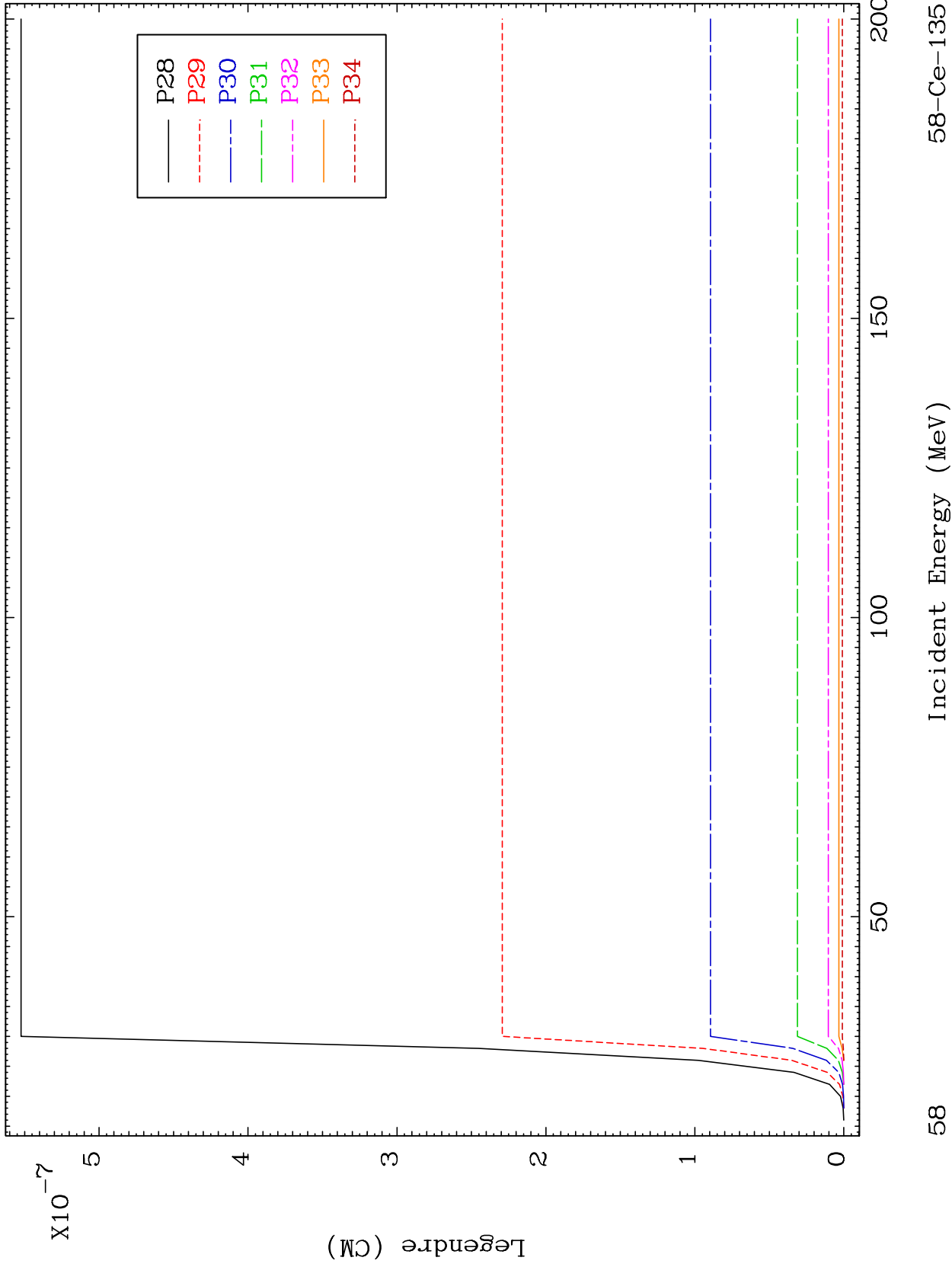
58-Ce-135



MAT 5822

1.036 MeV (n,n') Level  
Legendre Coefficients

58-Ce-135



58

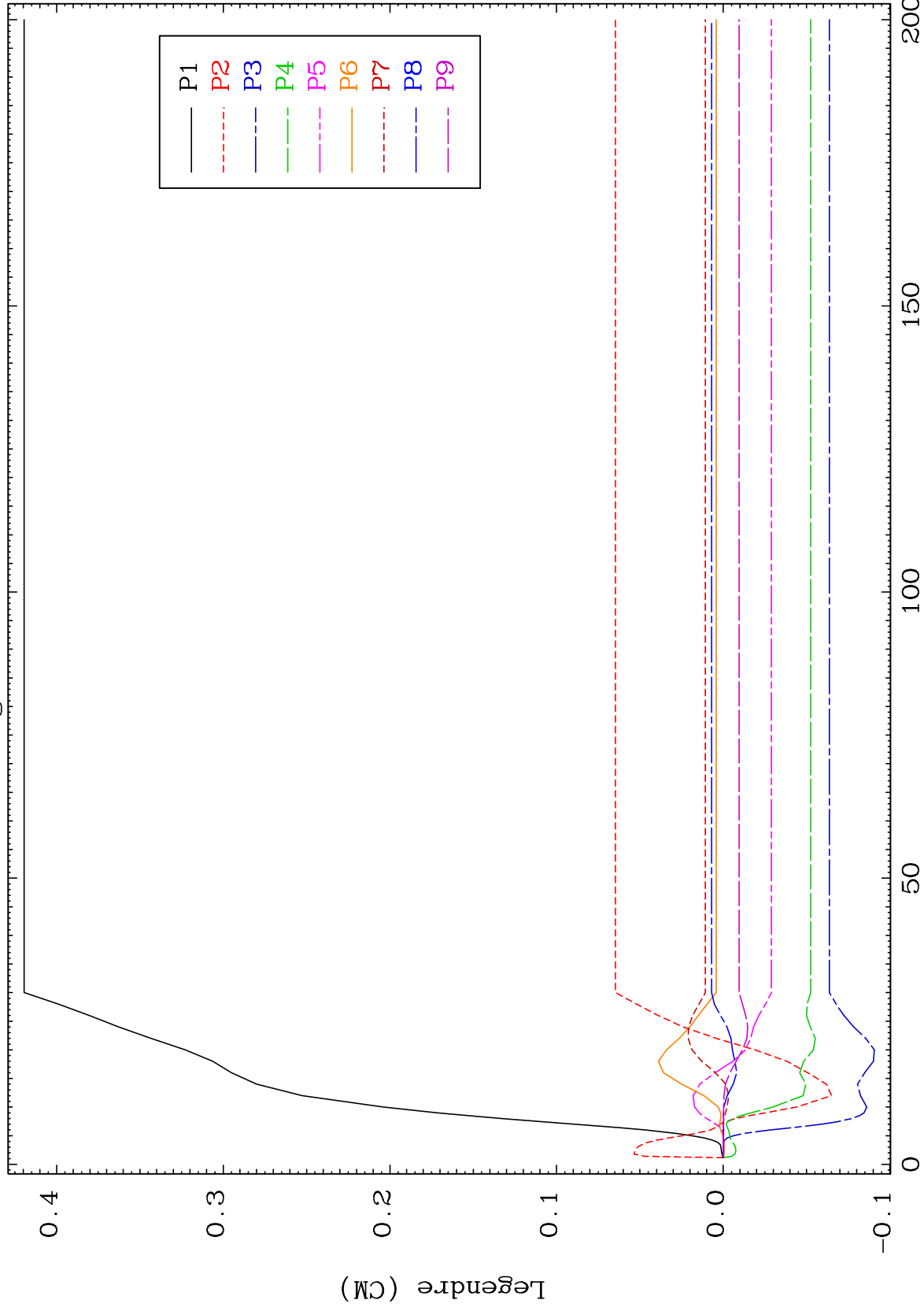
Incident Energy (MeV)

58-Ce-135

MAT 5822

1.145 MeV (n,n') Level  
Legendre Coefficients

58-Ce-135



59

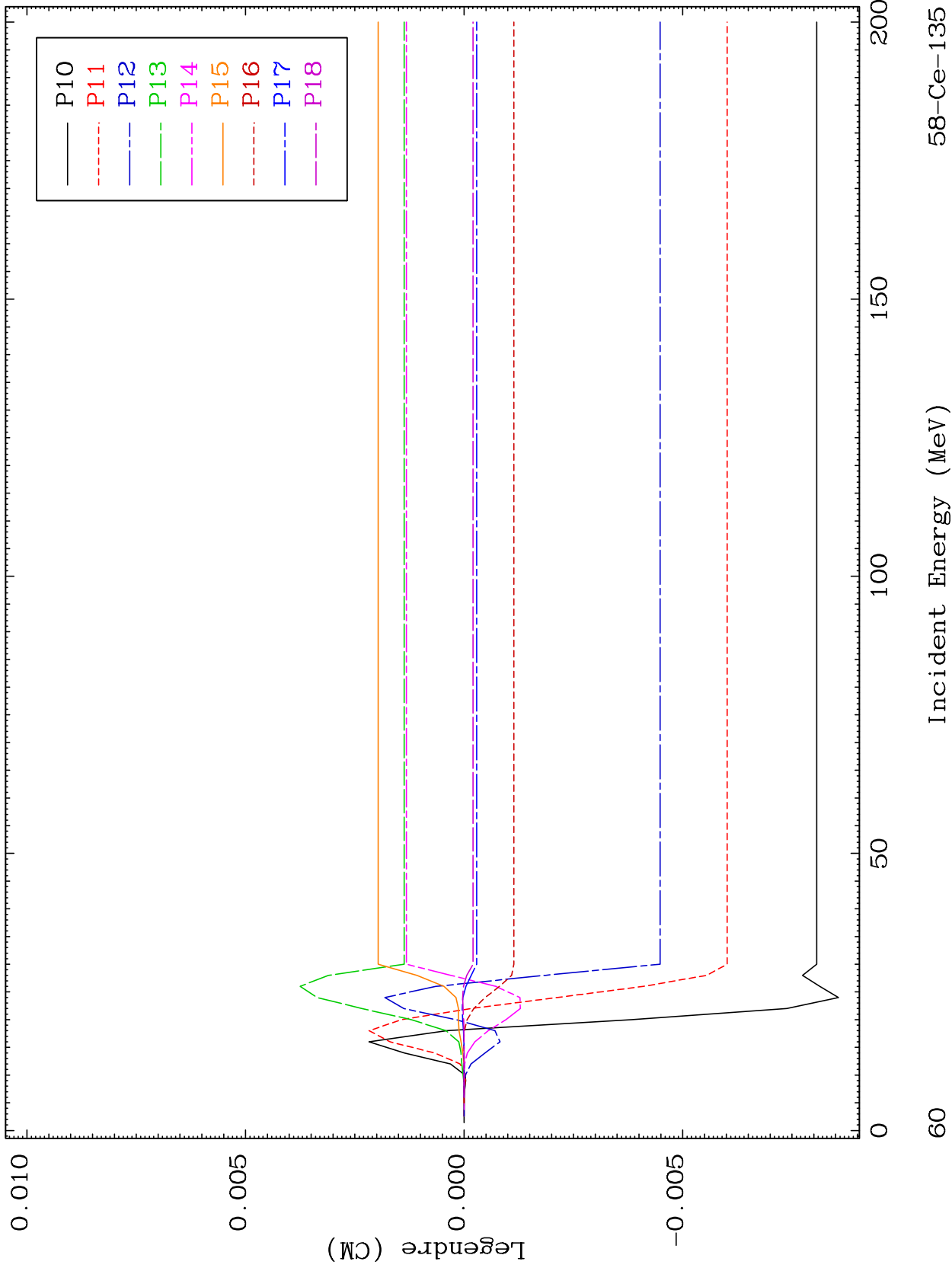
Incident Energy (MeV)

58-Ce-135

MAT 5822

1.145 MeV (n,n') Level  
Legendre Coefficients

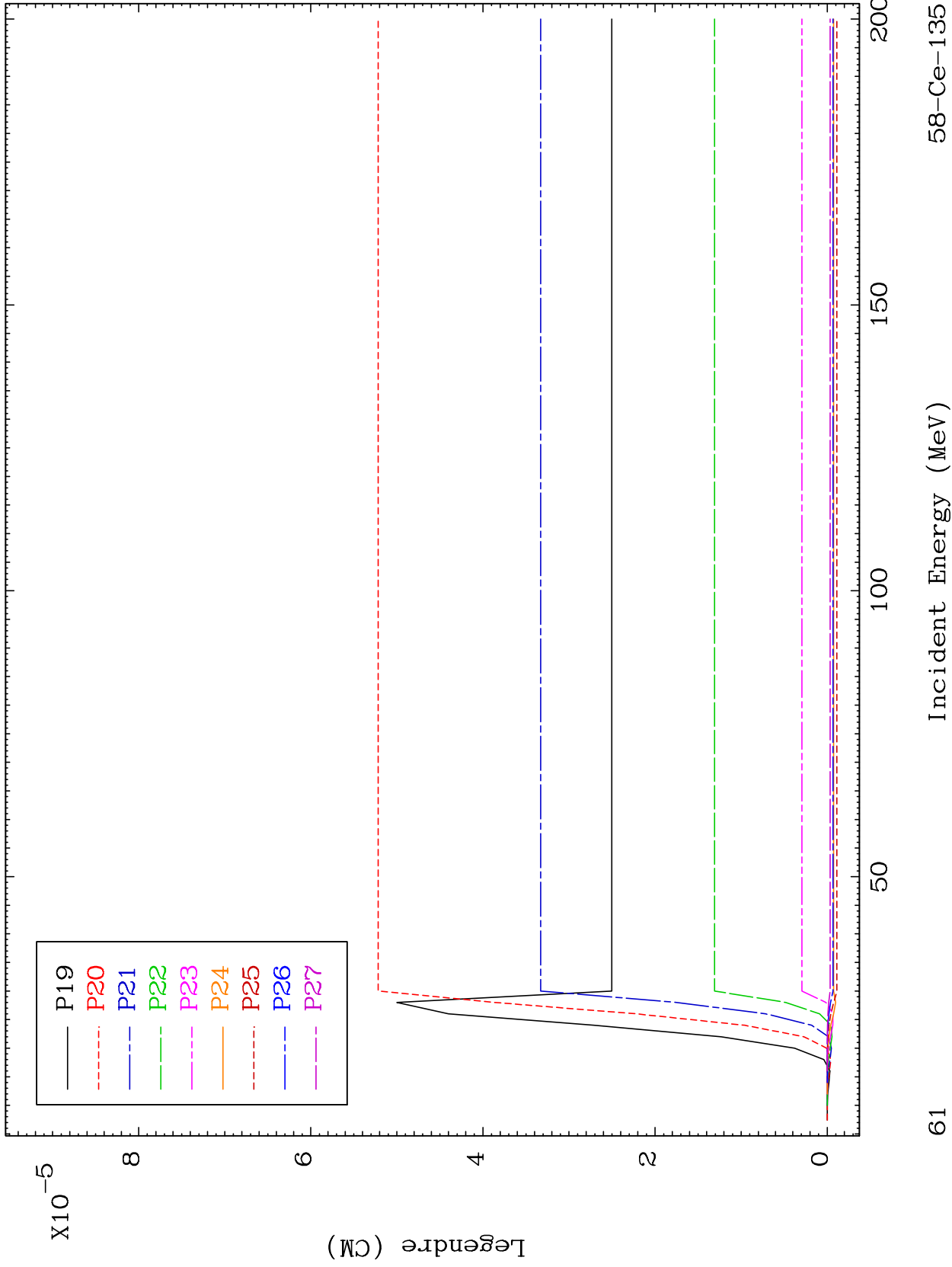
58-Ce-135



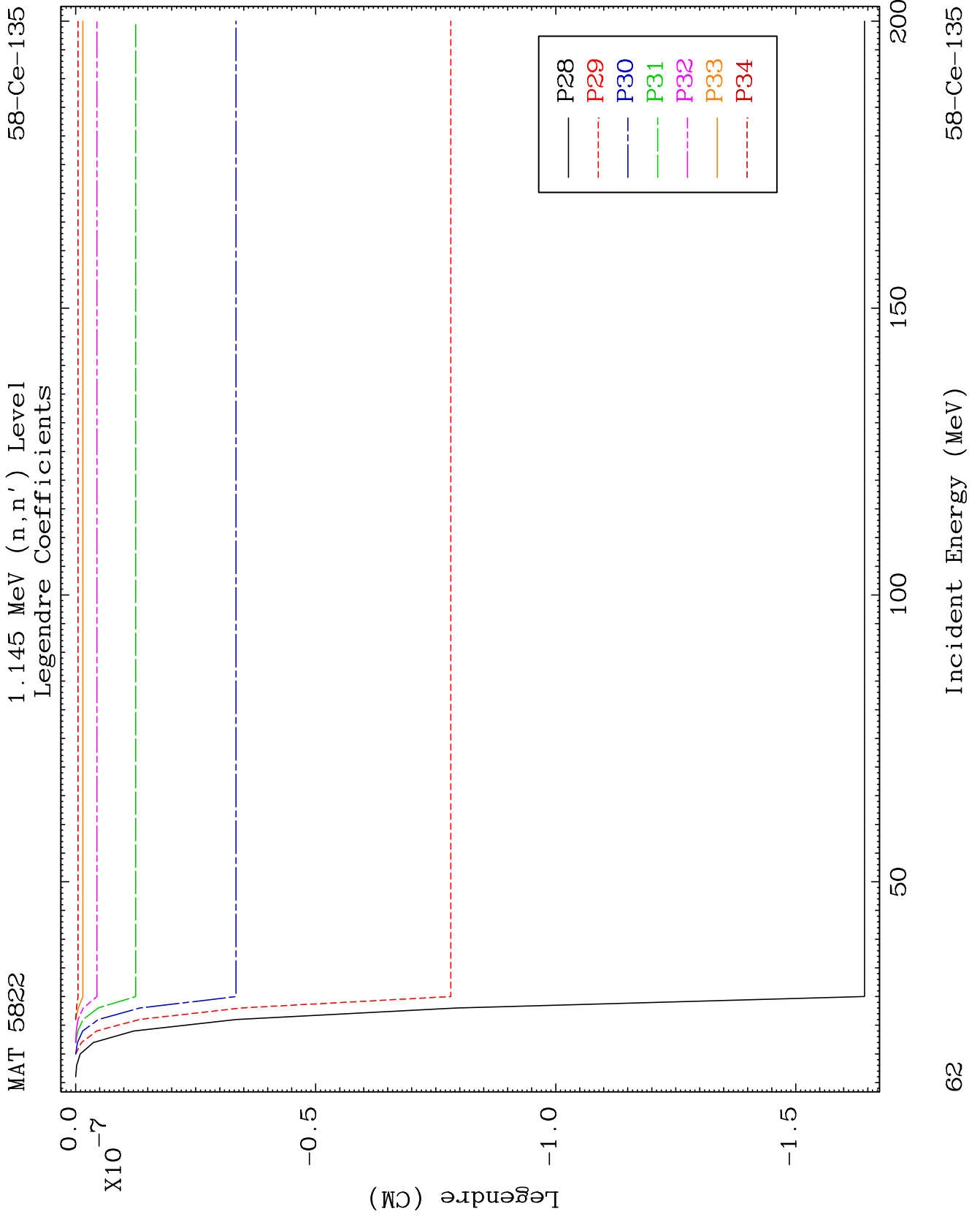
MAT 5822

1.145 MeV (n,n') Level  
Legendre Coefficients

58-Ce-135



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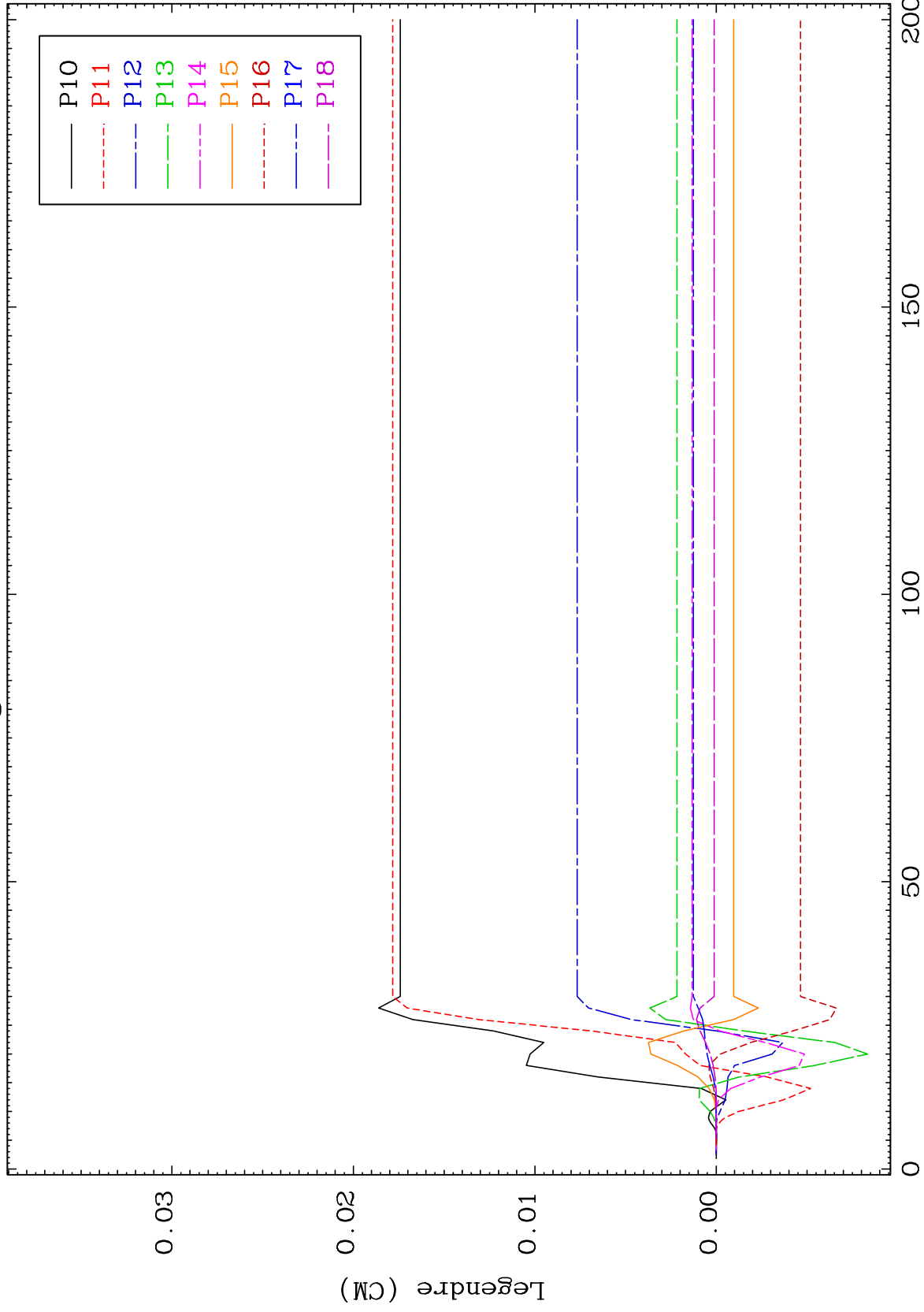




MAT 5822

1.367 MeV (n,n') Level  
Legendre Coefficients

58-Ce-135



64

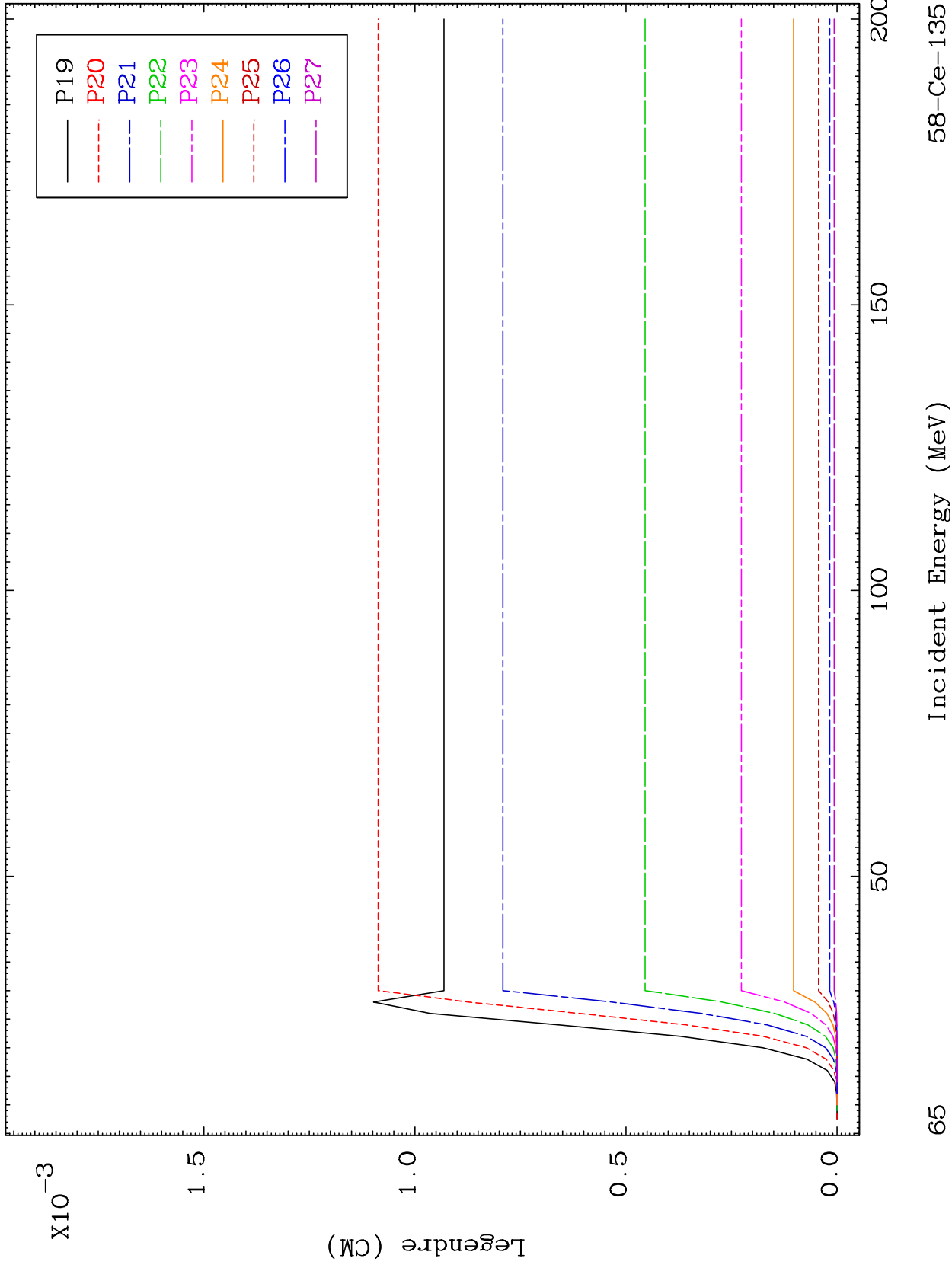
Incident Energy (MeV)

58-Ce-135

MAT 5822

1.367 MeV (n,n') Level  
Legendre Coefficients

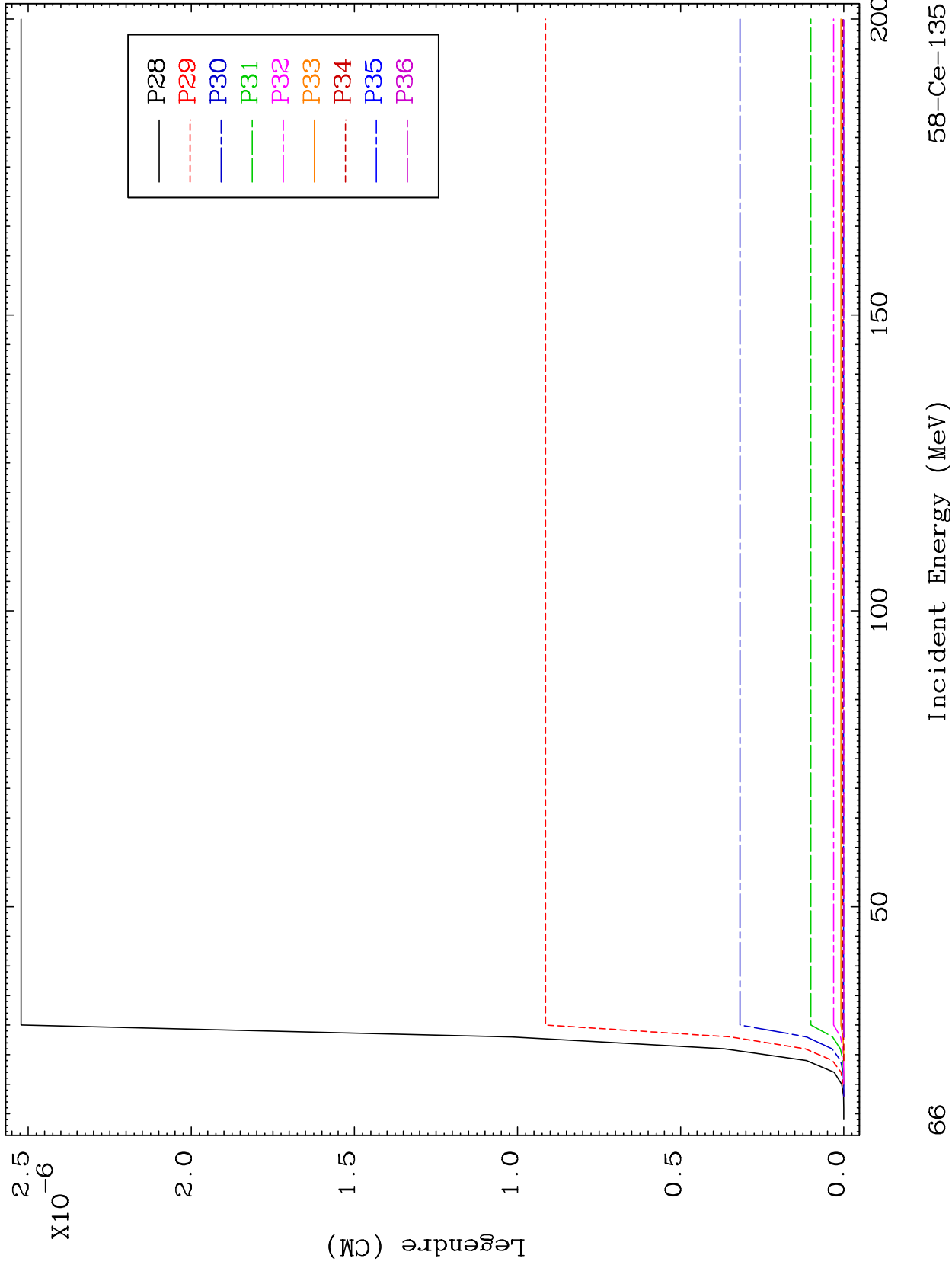
58-Ce-135



MAT 5822

1.367 MeV (n, n') Level  
Legendre Coefficients

58-Ce-135

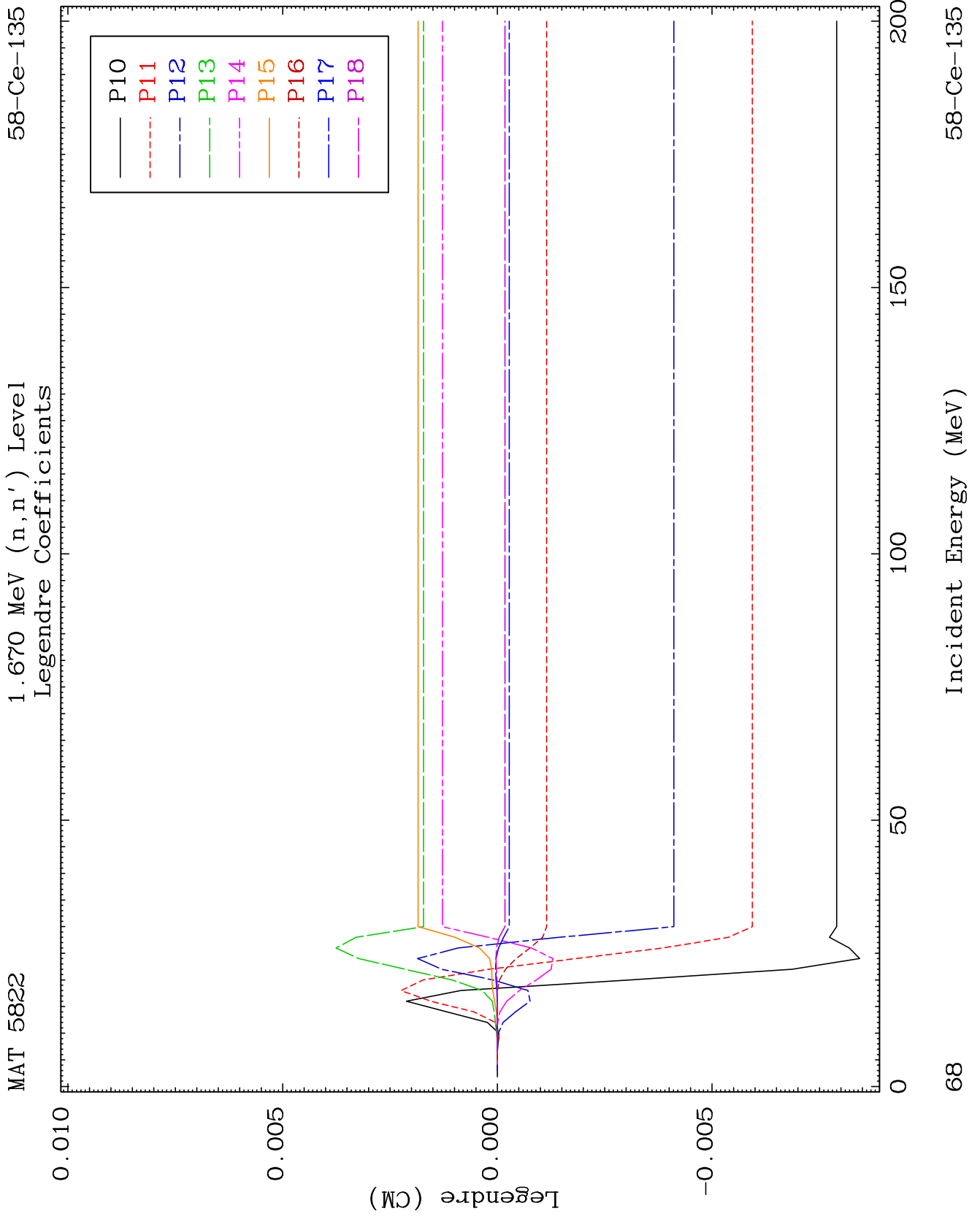


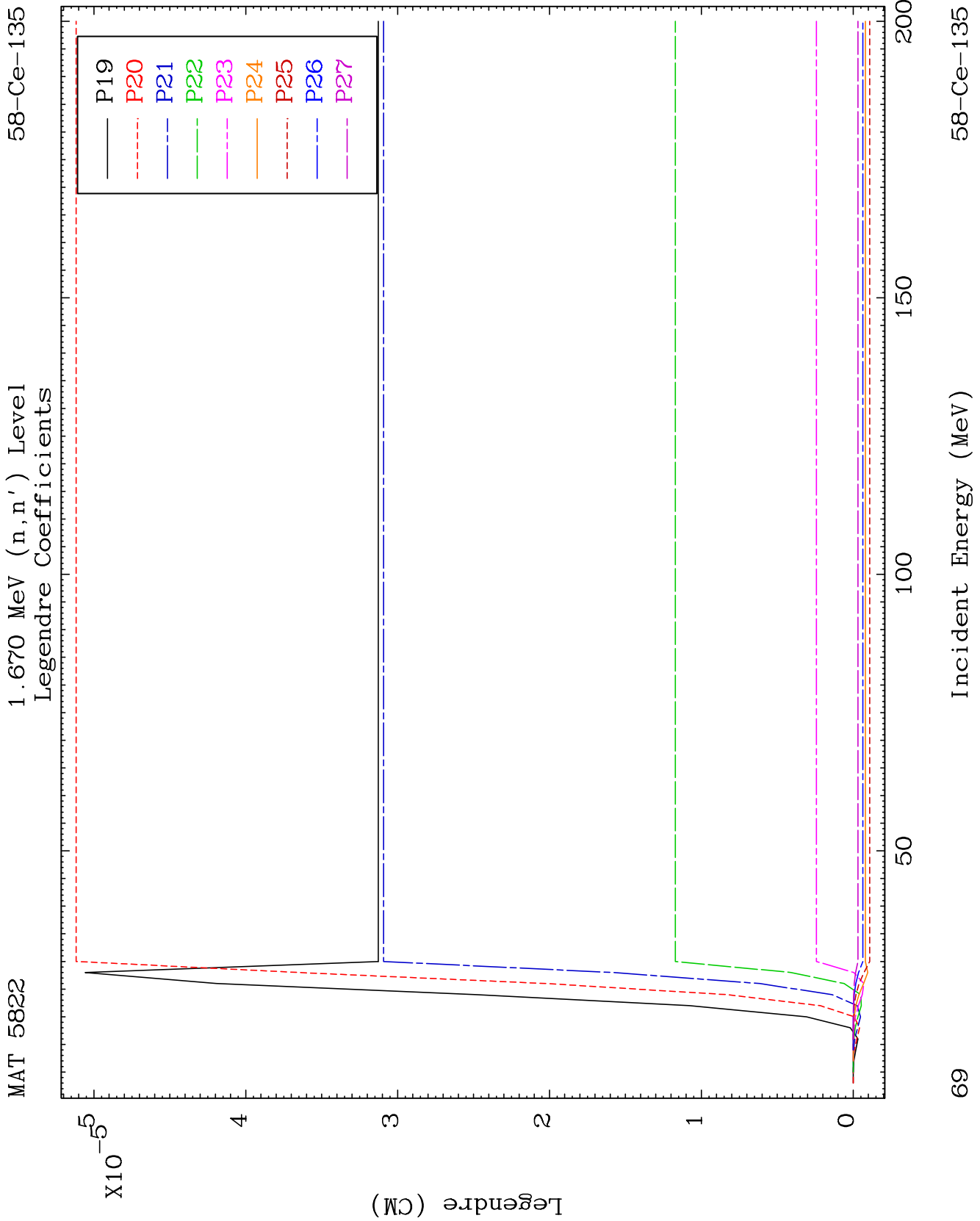
66

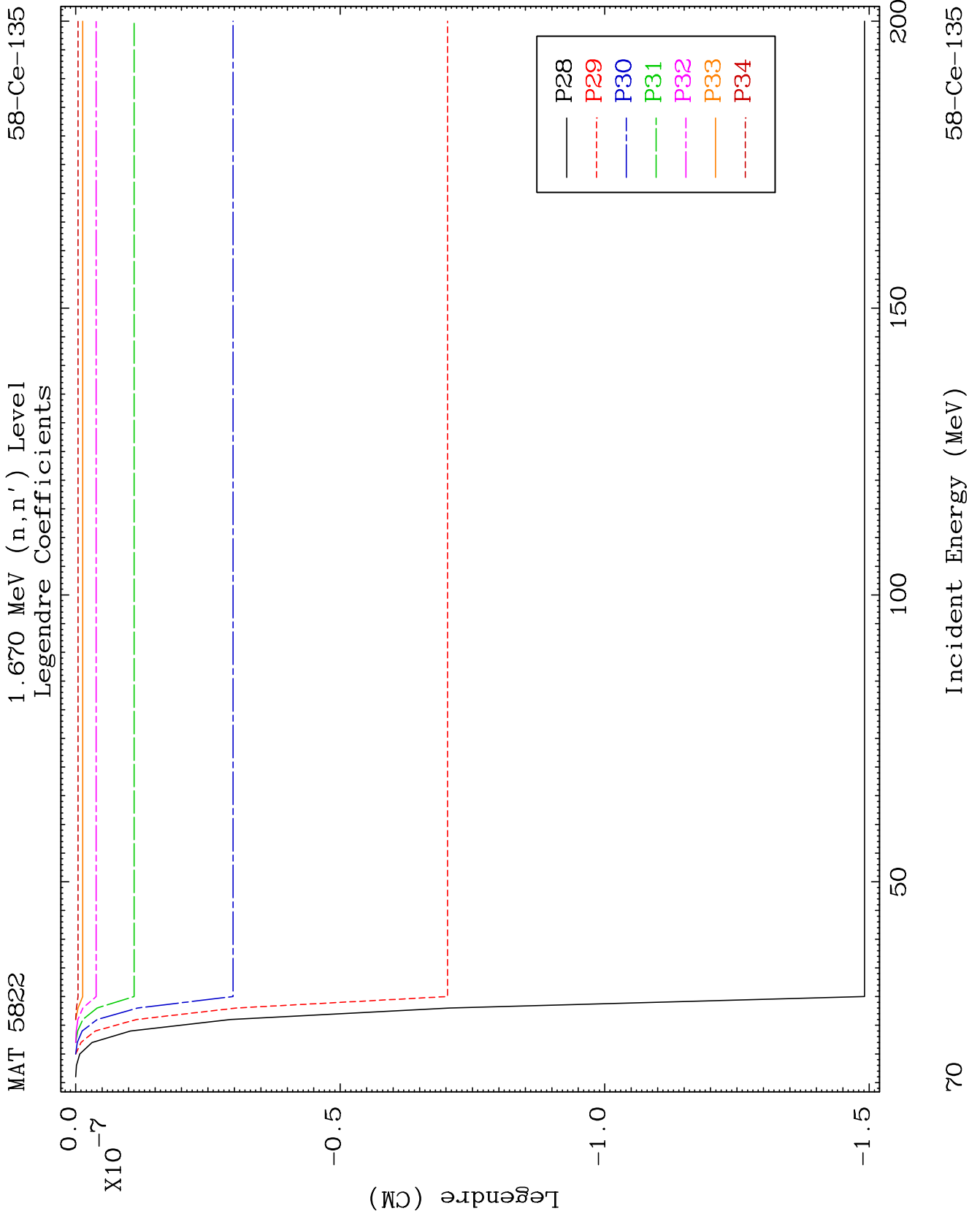
Incident Energy (MeV)

58-Ce-135





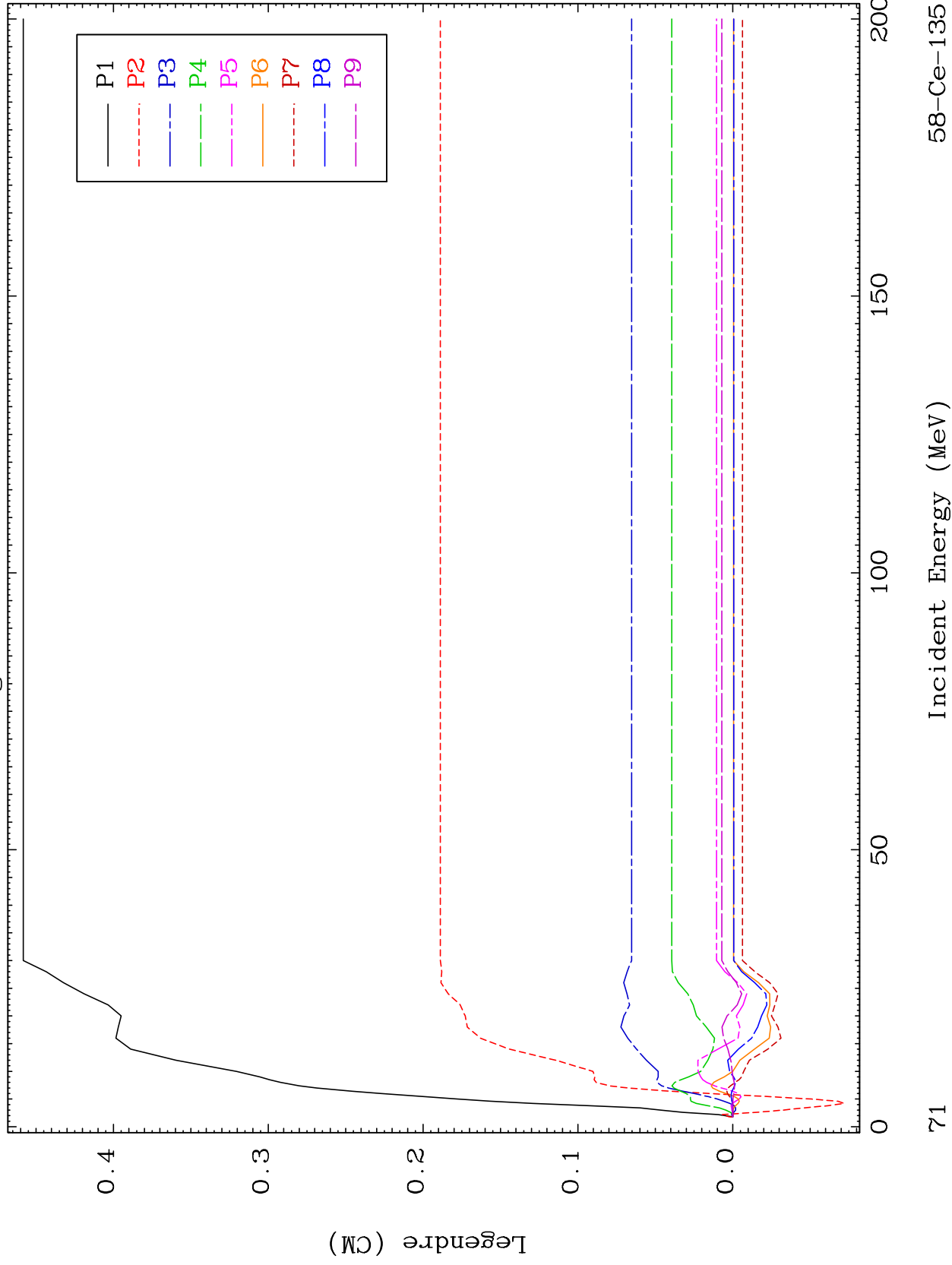




MAT 5822

1.729 MeV (n,n') Level  
Legendre Coefficients

58-Ce-135



58-Ce-135

Incident Energy (MeV)

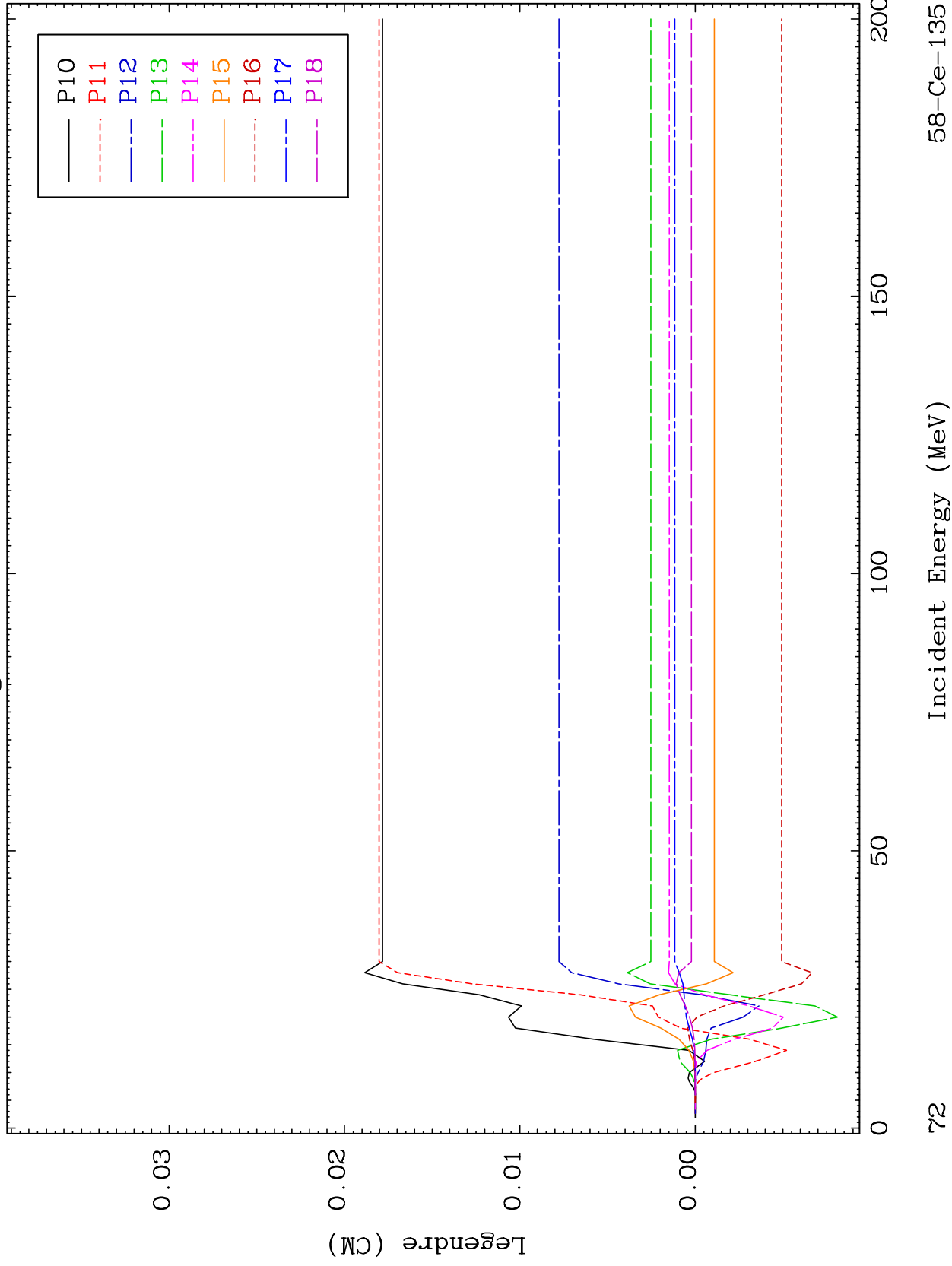
71



MAT 58222

1.729 MeV (n,n') Level  
Legendre Coefficients

58-Ce-135



58-Ce-135

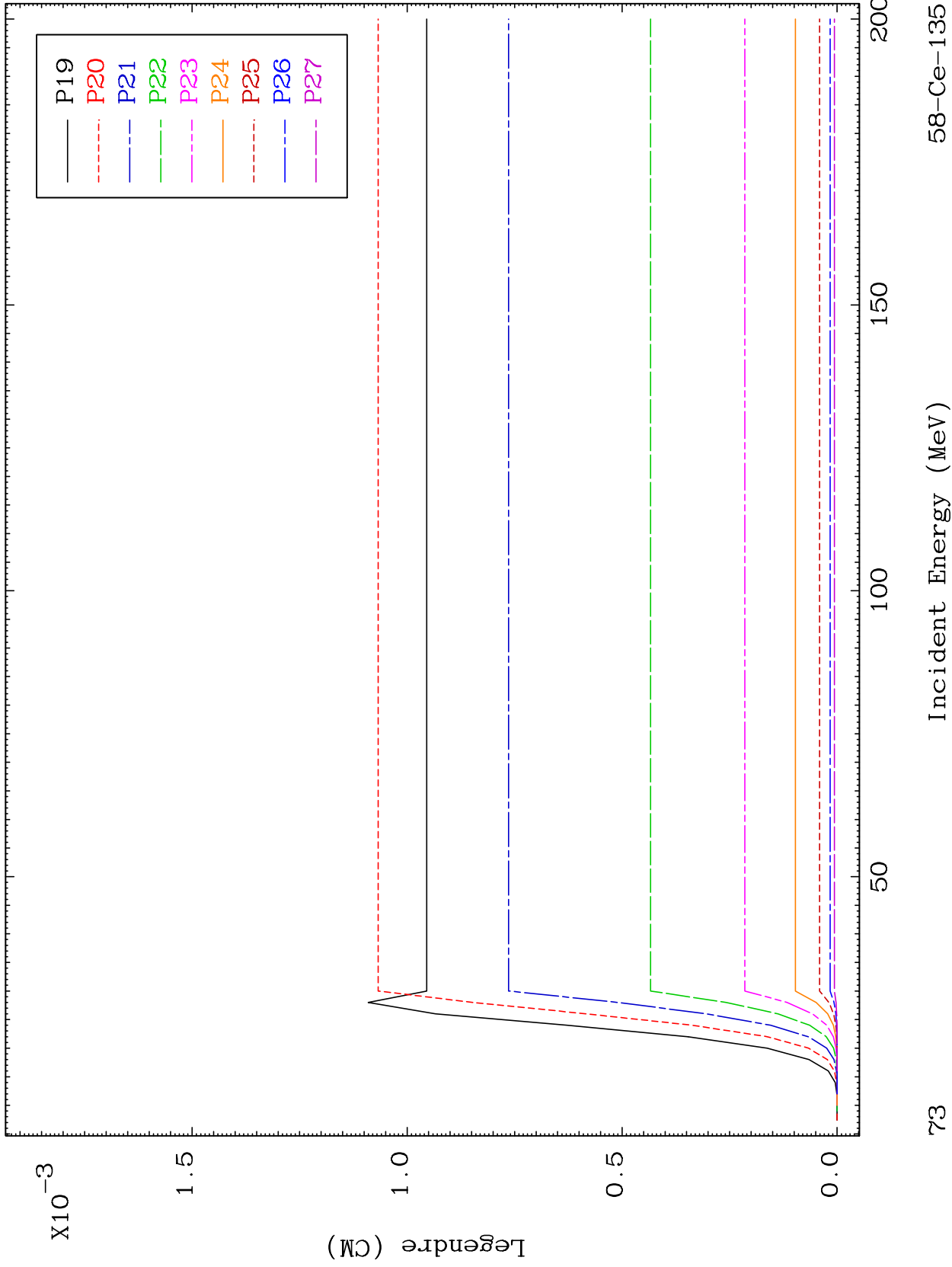
Incident Energy (MeV)

72

MAT 5822

1.729 MeV (n,n') Level  
Legendre Coefficients

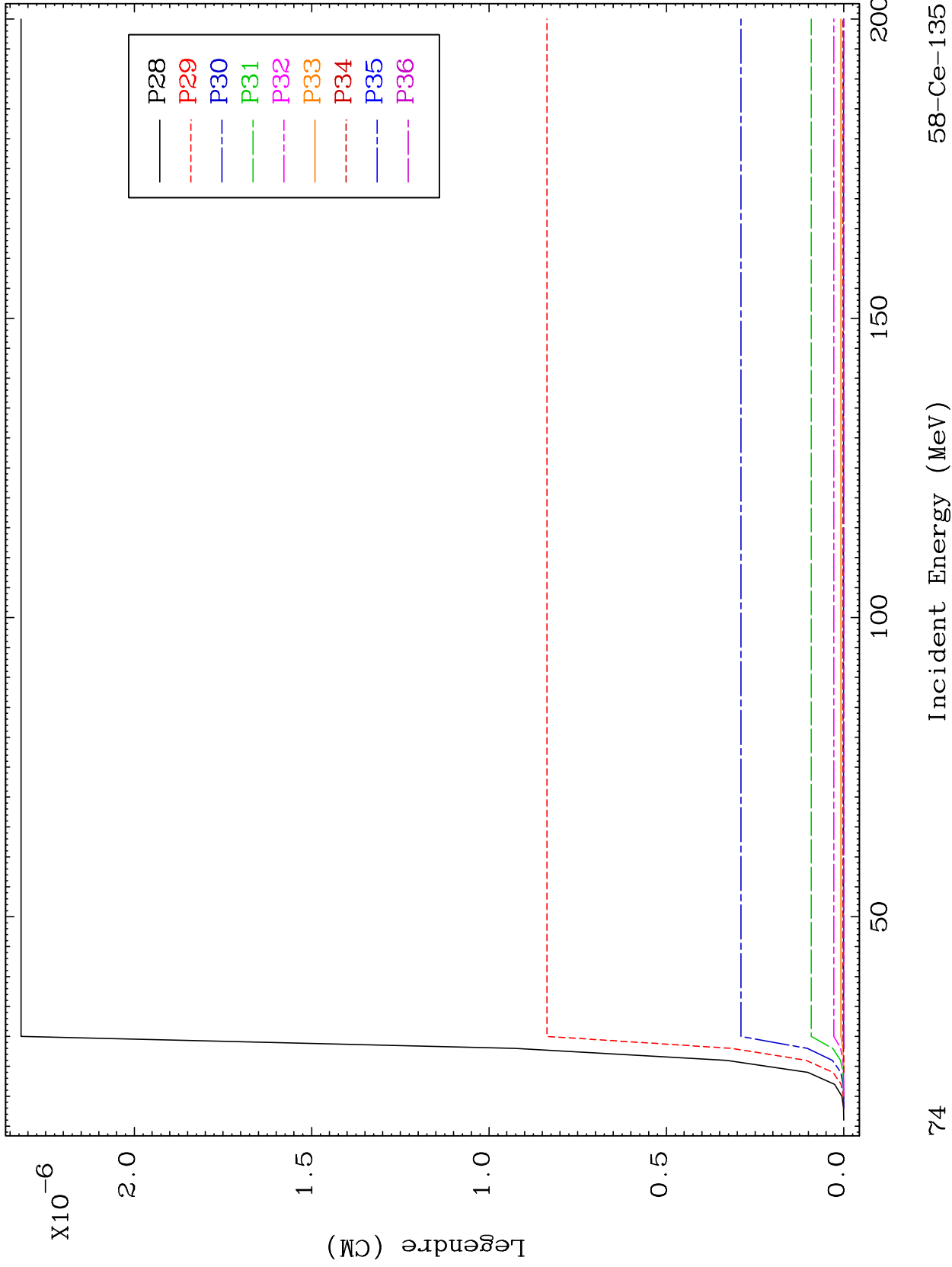
58-Ce-135

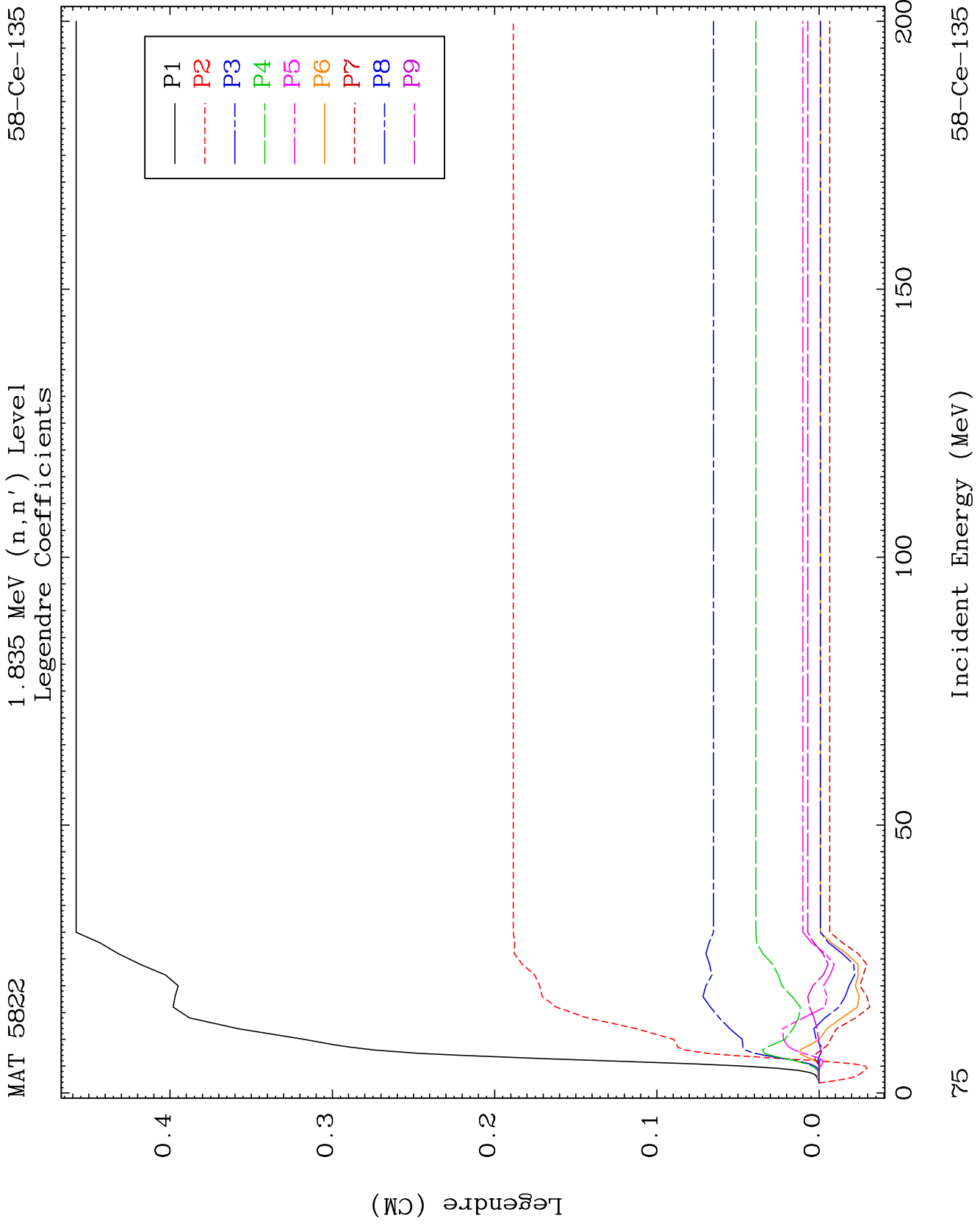


MAT 5822

1.729 MeV (n,n') Level  
Legendre Coefficients

58-Ce-135

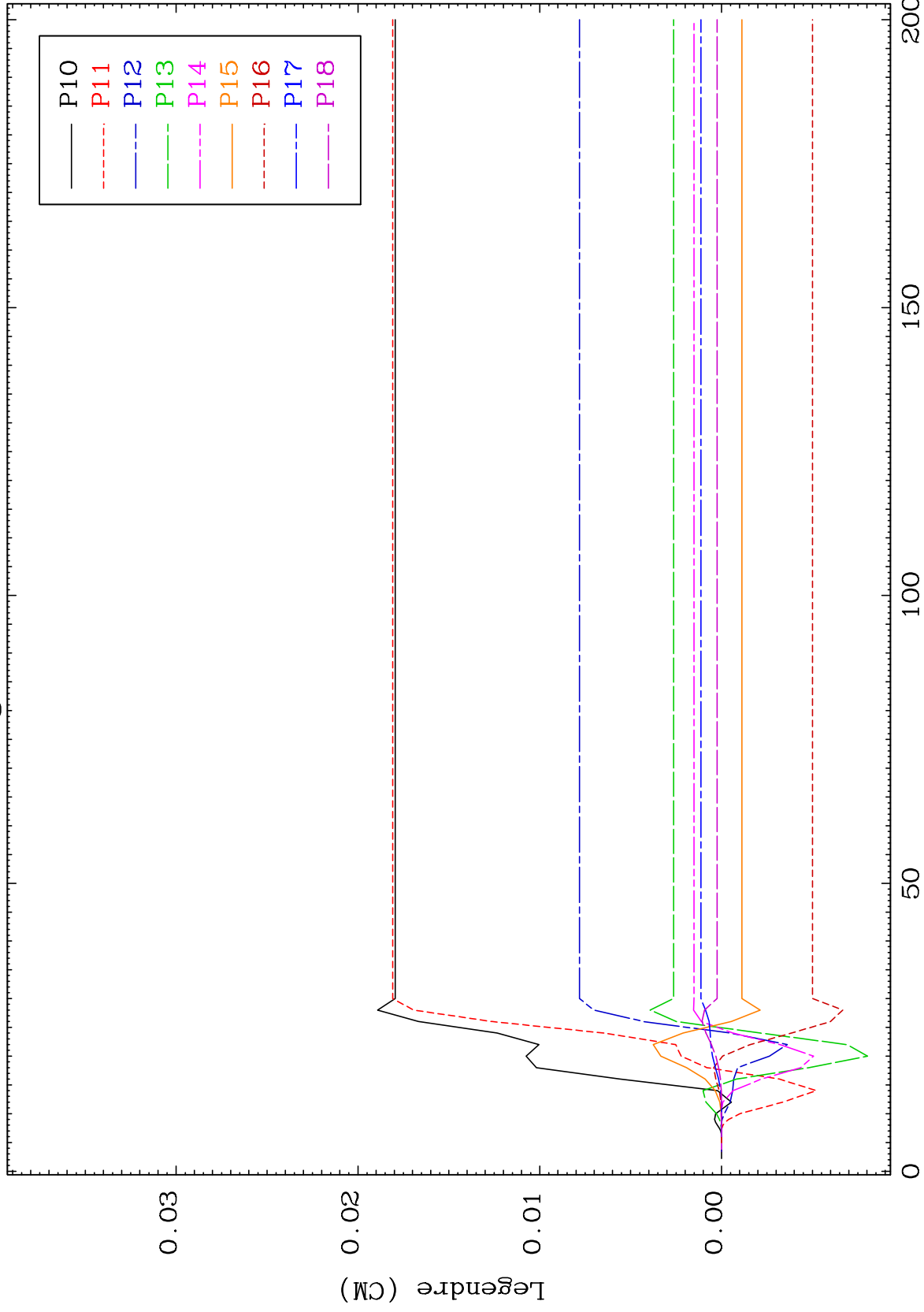




MAT 58222

1.835 MeV (n,n') Level  
Legendre Coefficients

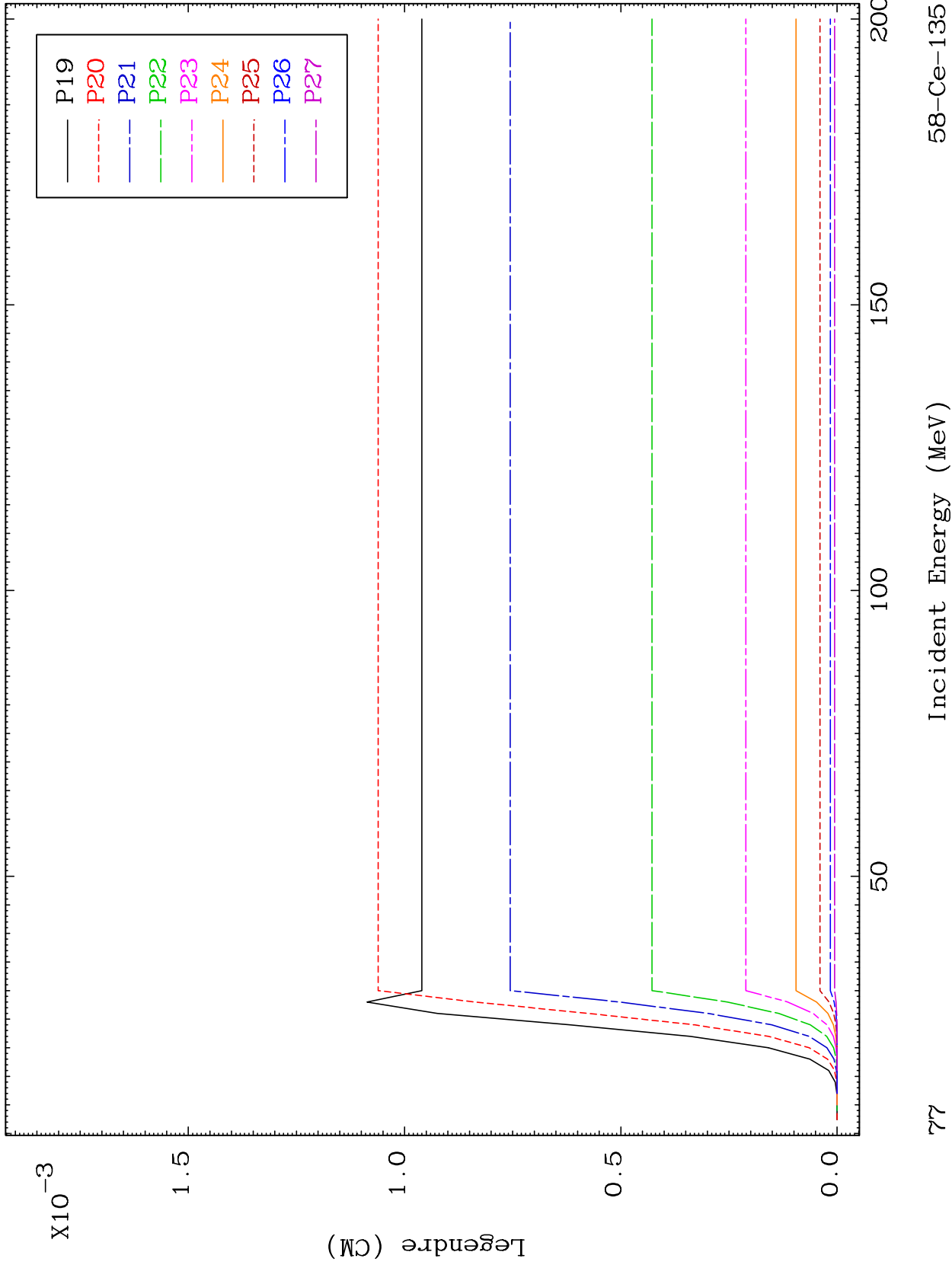
58-Ce-135



76

Incident Energy (MeV)

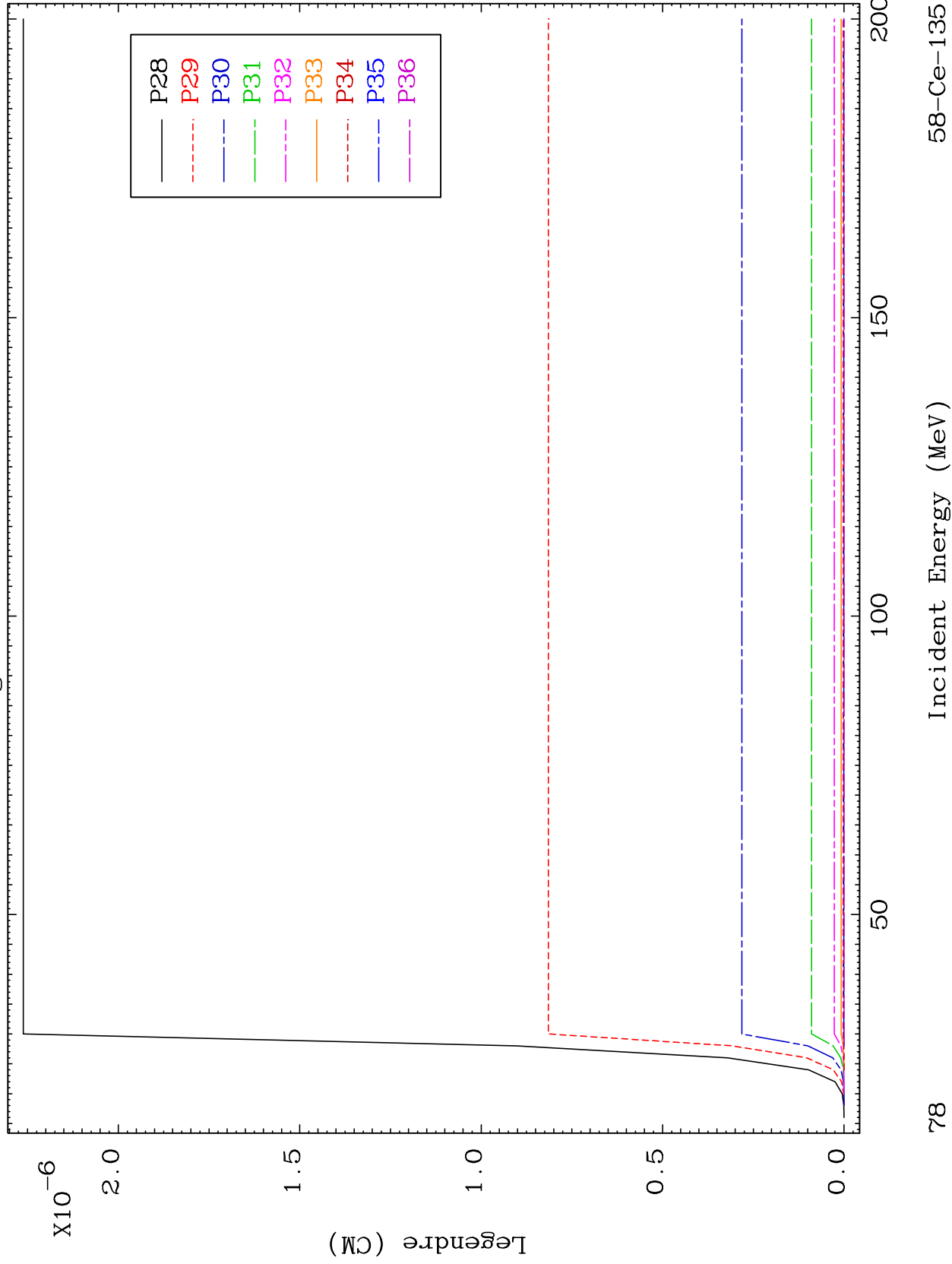
58-Ce-135



MAT 58222

1.835 MeV (n,n') Level  
Legendre Coefficients

58-Ce-135



58-Ce-135

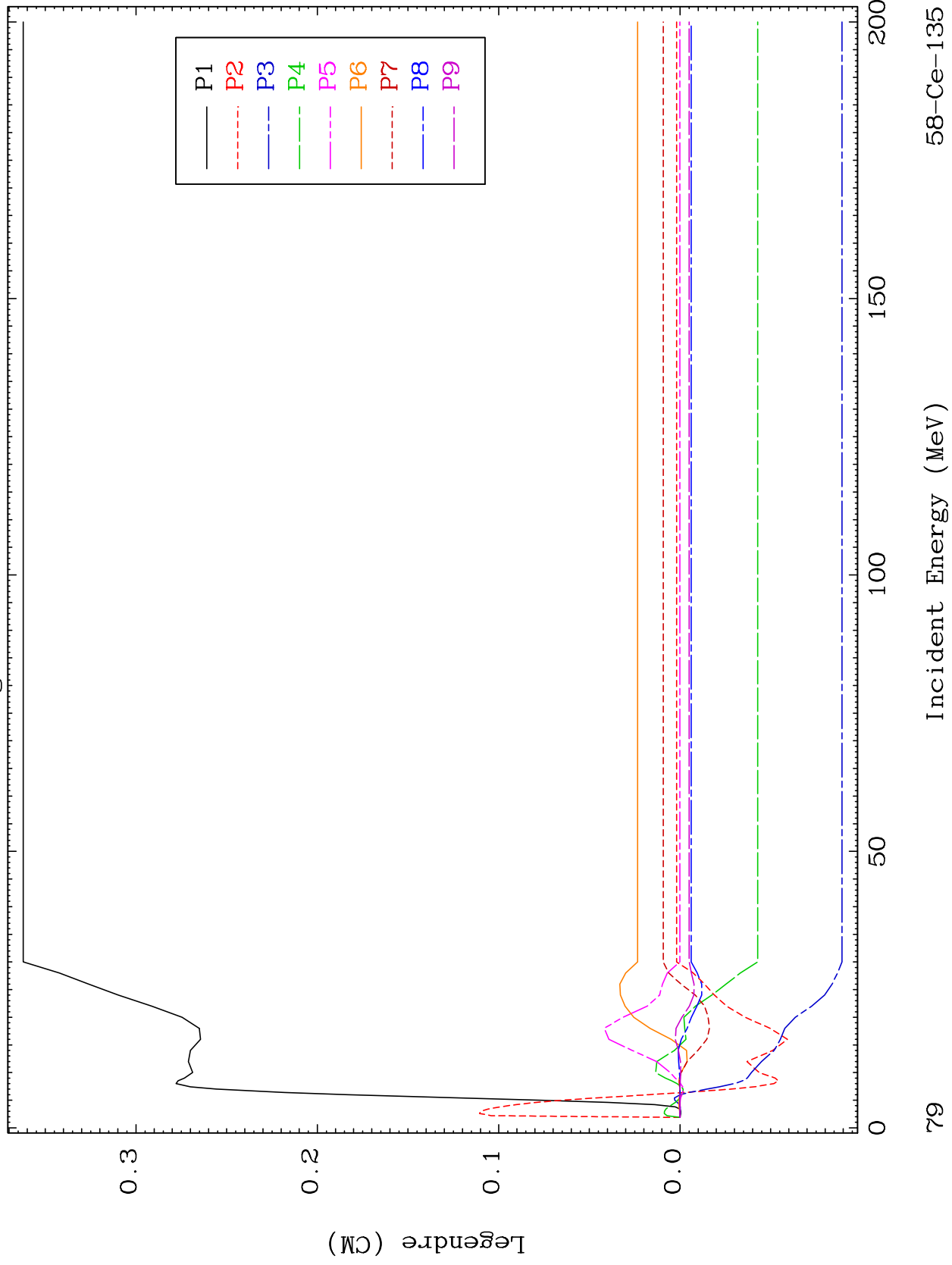
Incident Energy (MeV)

78

MAT 5822

1.869 MeV (n,n') Level  
Legendre Coefficients

58-Ce-135

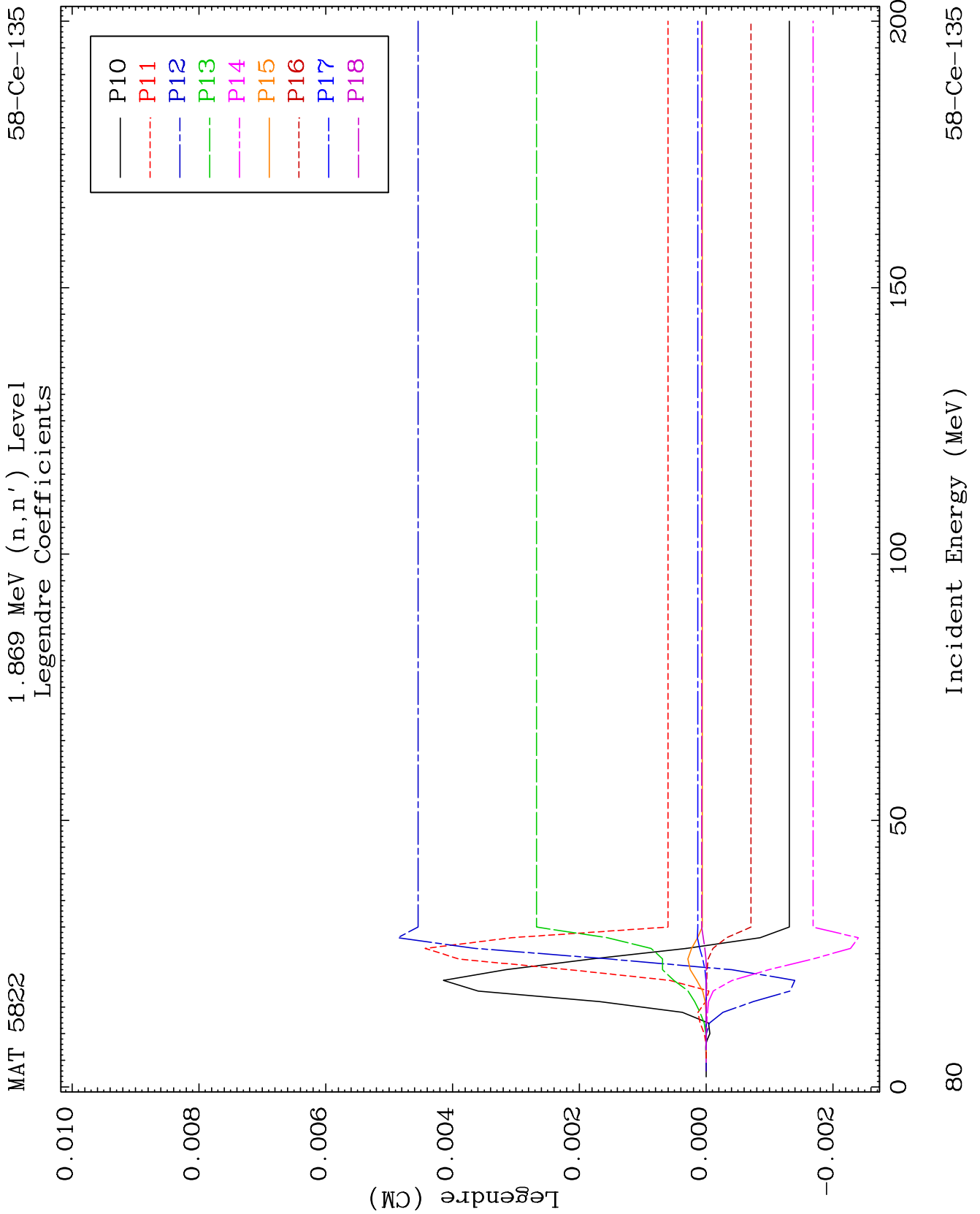


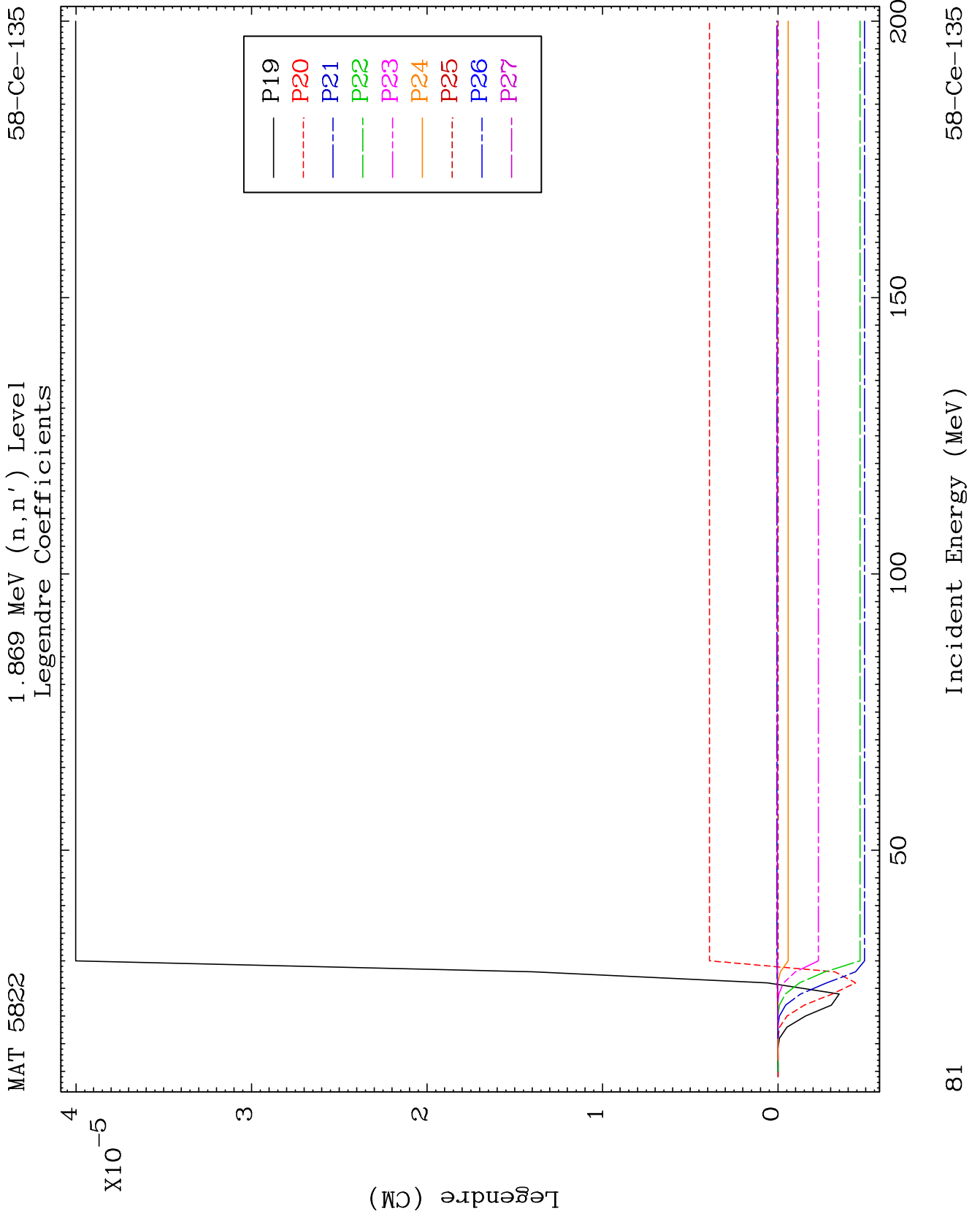
79

Incident Energy (MeV)

58-Ce-135



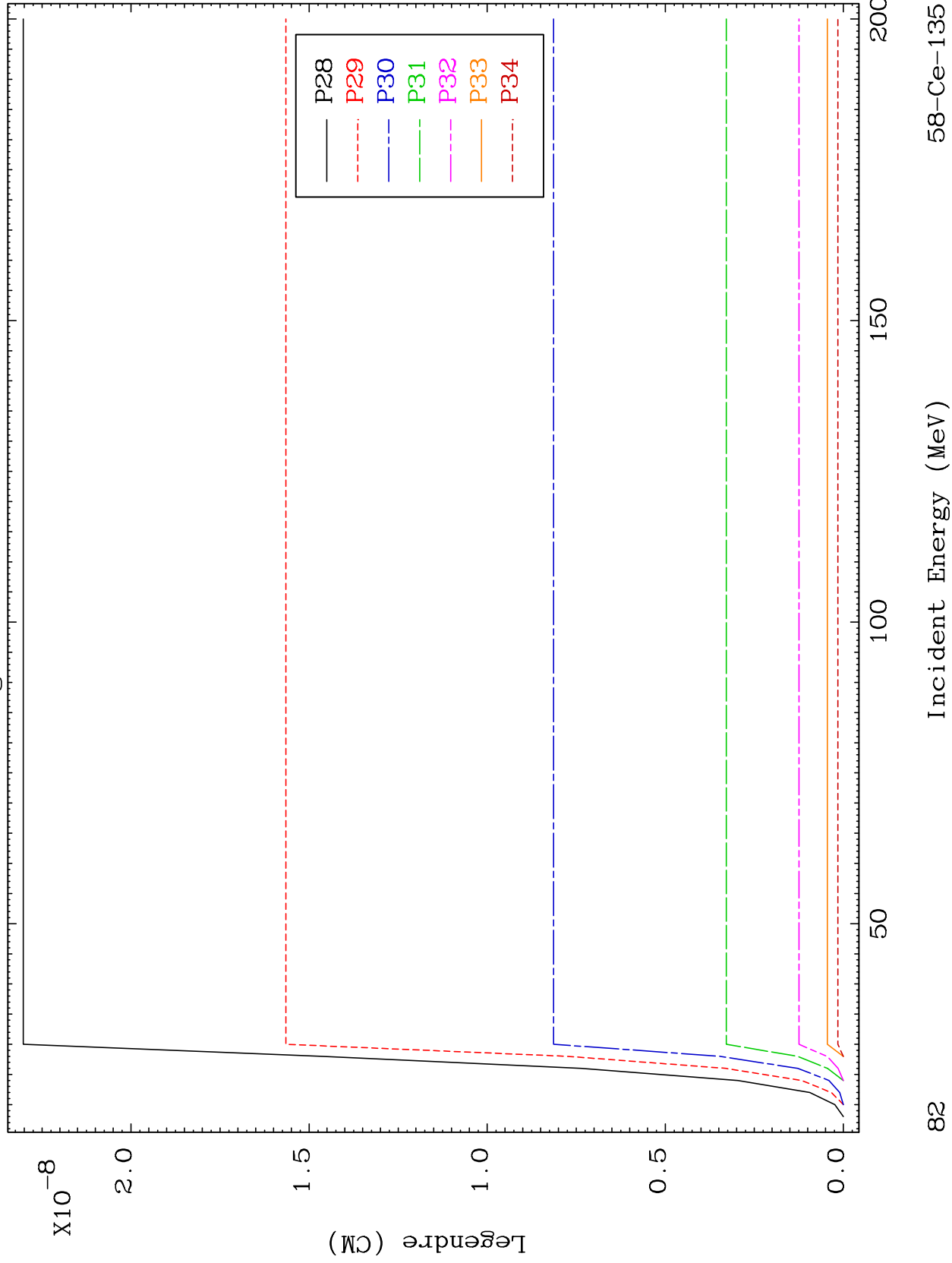




MAT 5822

1.869 MeV (n,n') Level  
Legendre Coefficients

58-Ce-135

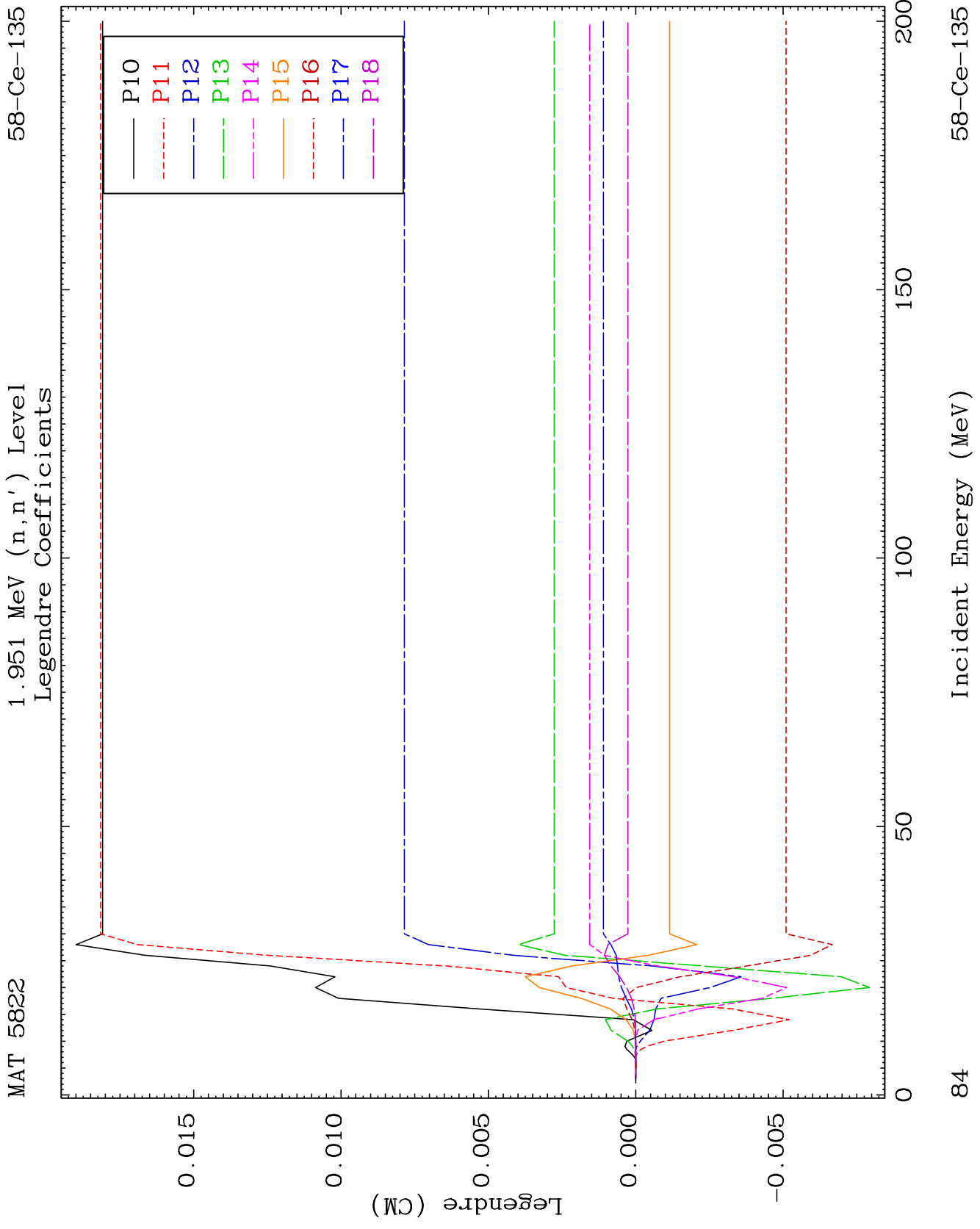


82

Incident Energy (MeV)

58-Ce-135

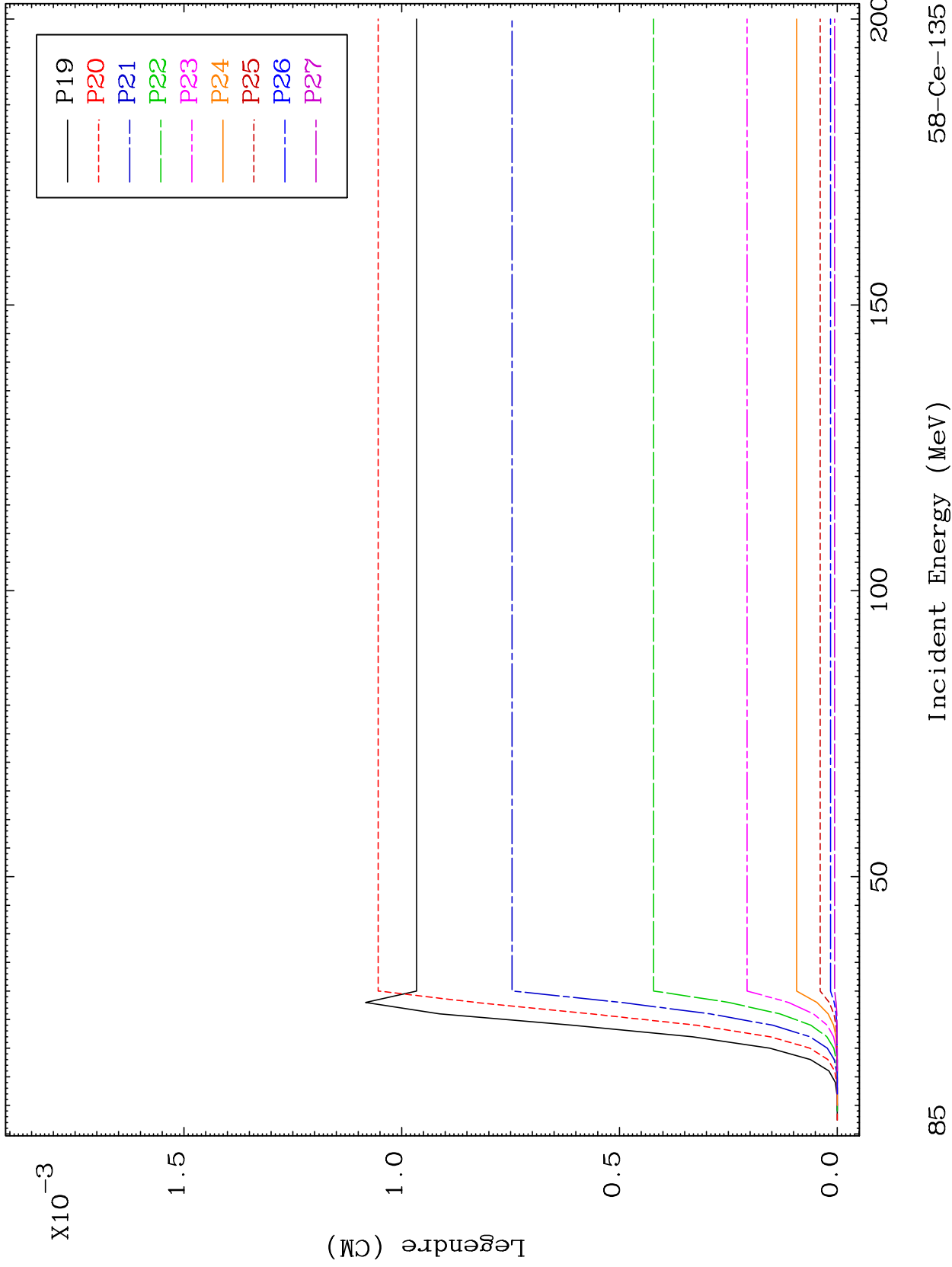




MAT 5822

1.951 MeV (n,n') Level  
Legendre Coefficients

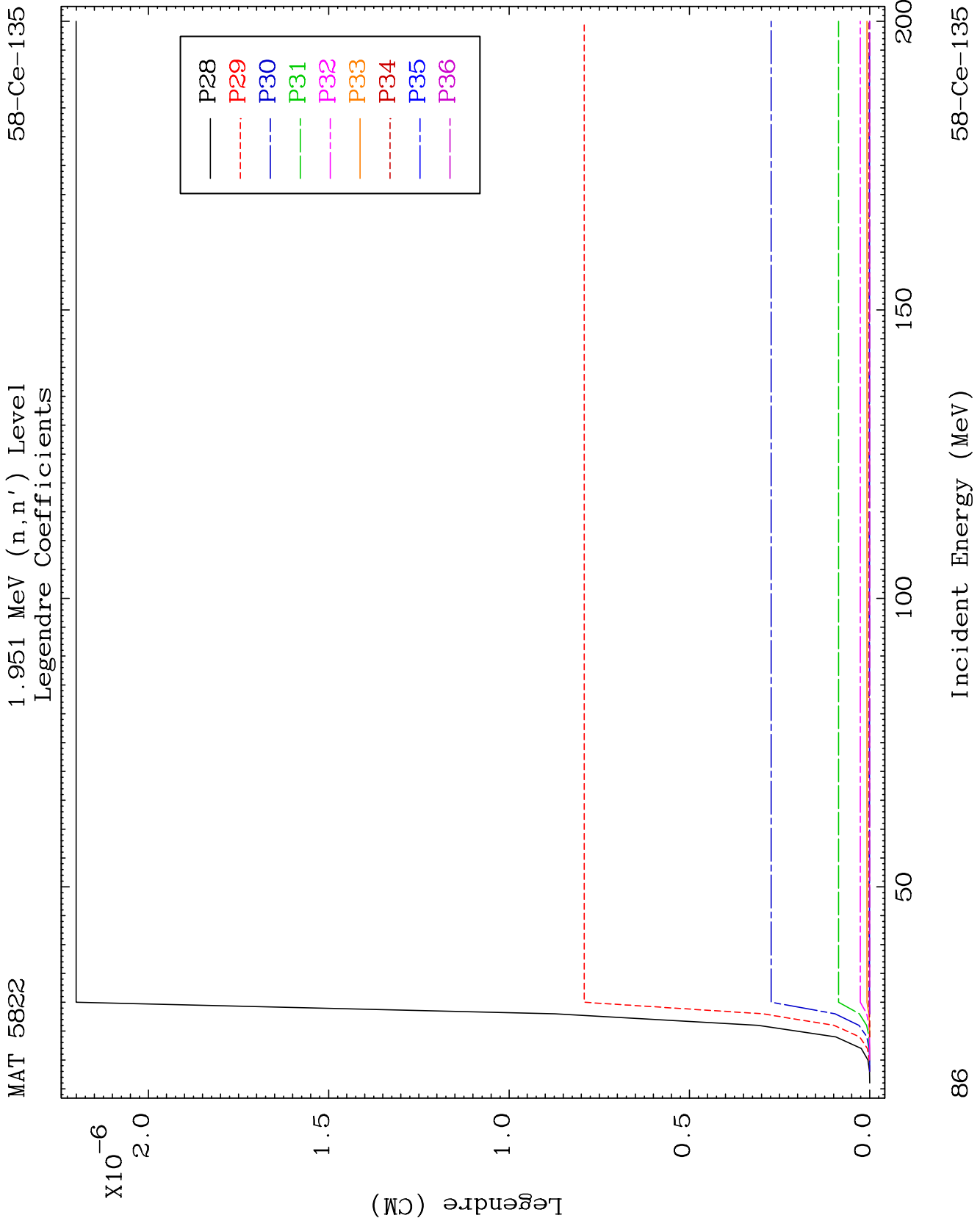
58-Ce-135



85

Incident Energy (MeV)

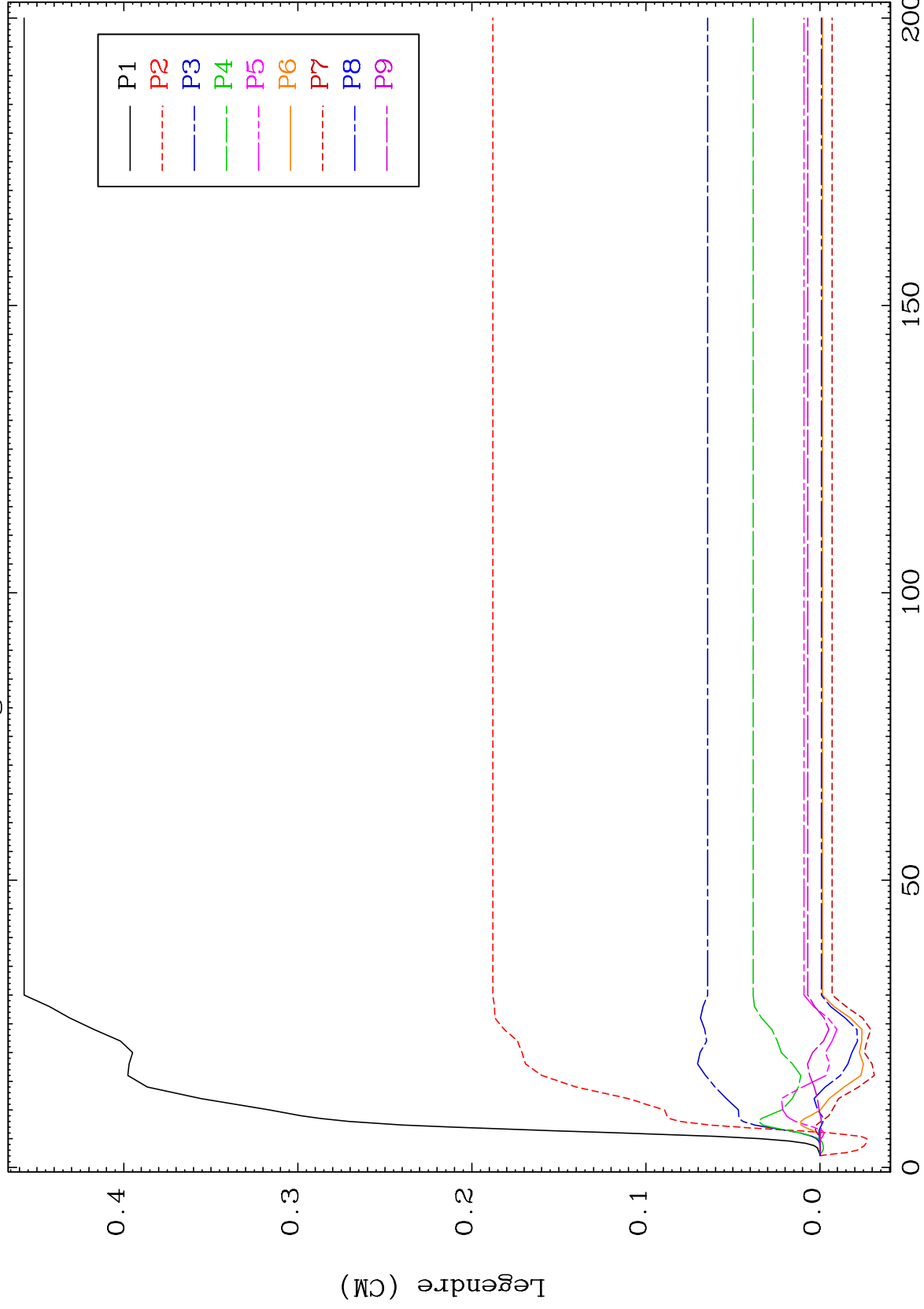
58-Ce-135



MAT 5822

2.021 MeV (n, n') Level  
Legendre Coefficients

58-Ce-135

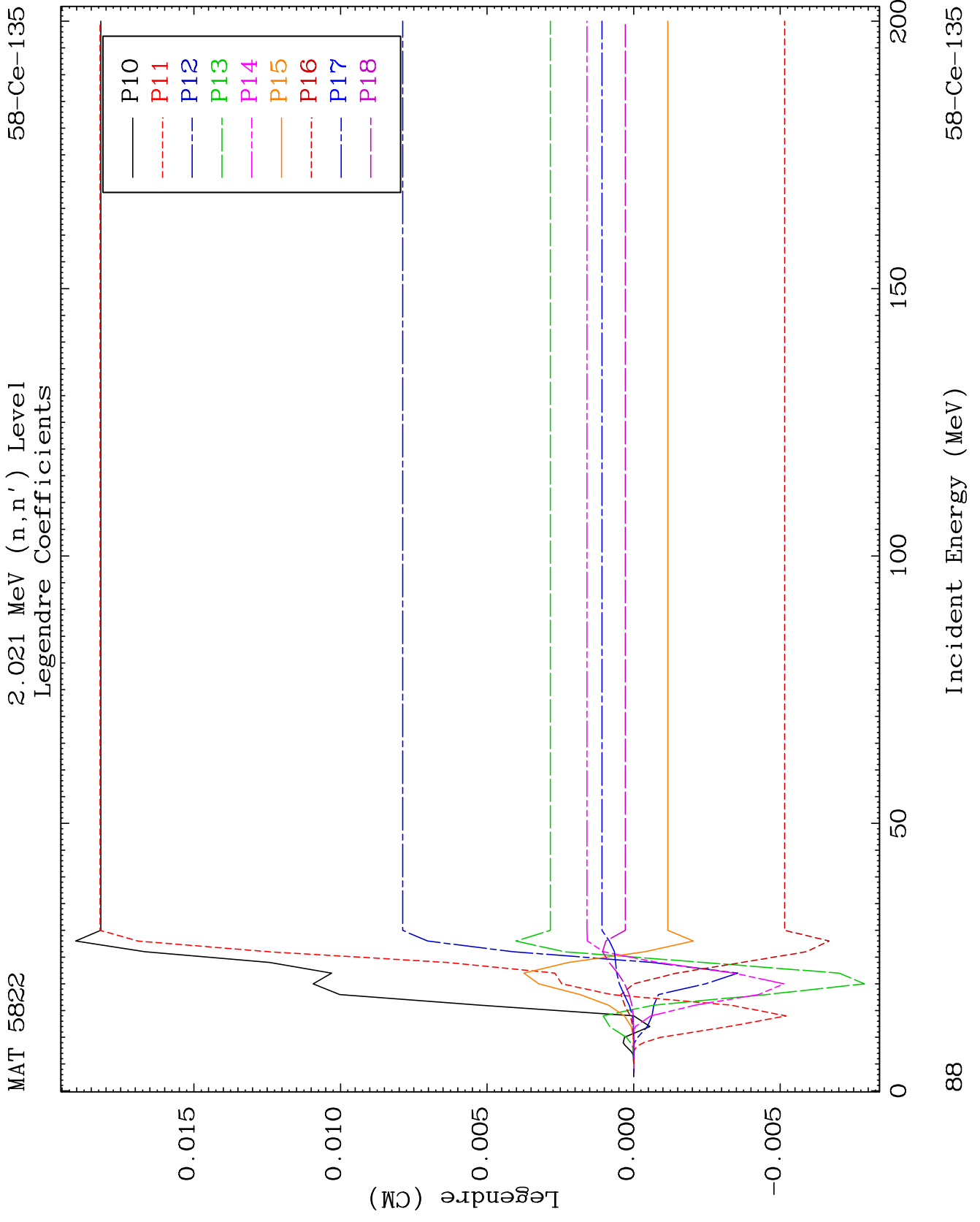


87

Incident Energy (MeV)

58-Ce-135

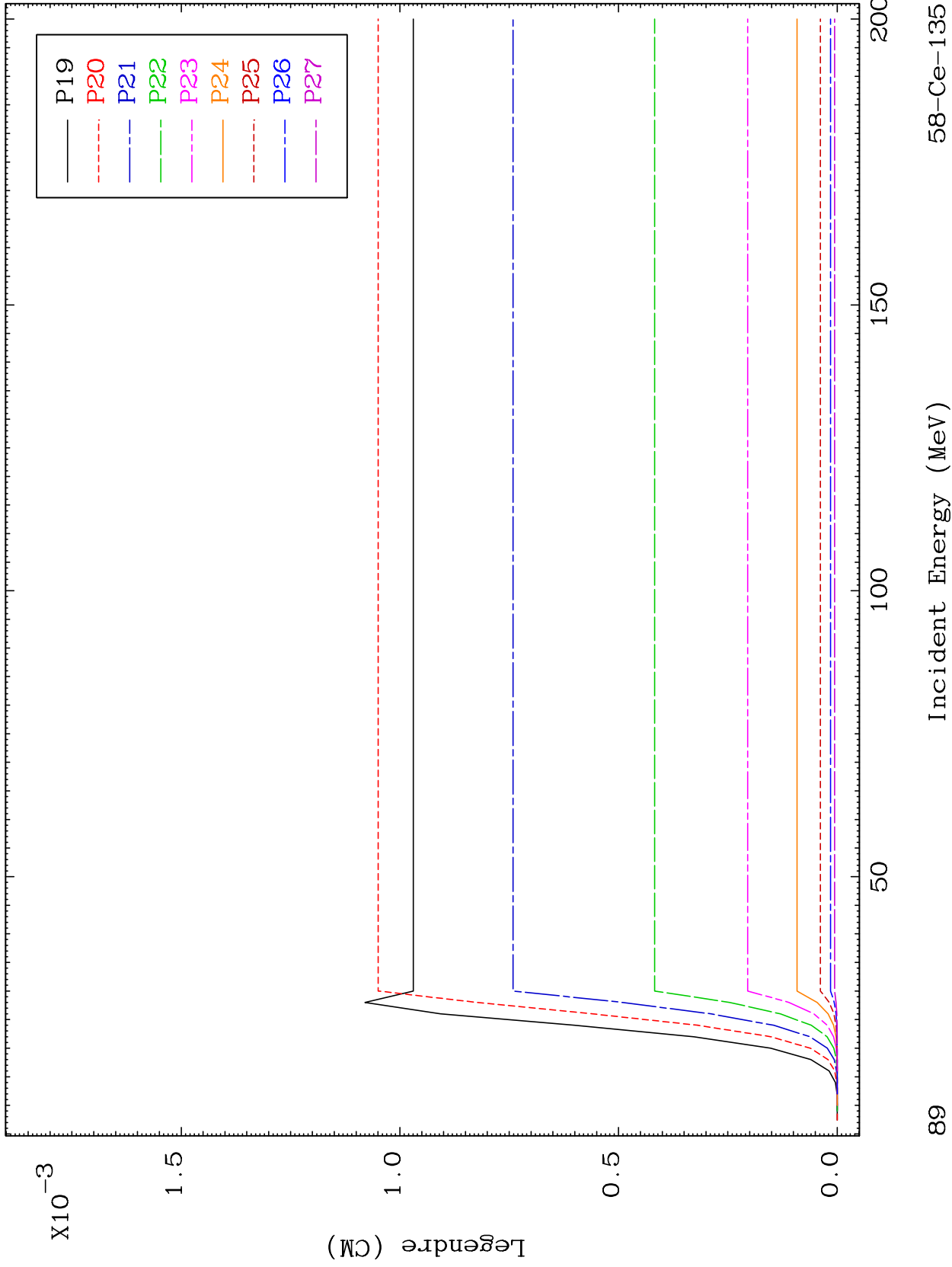




MAT 5822

2.021 MeV (n,n') Level  
Legendre Coefficients

58-Ce-135

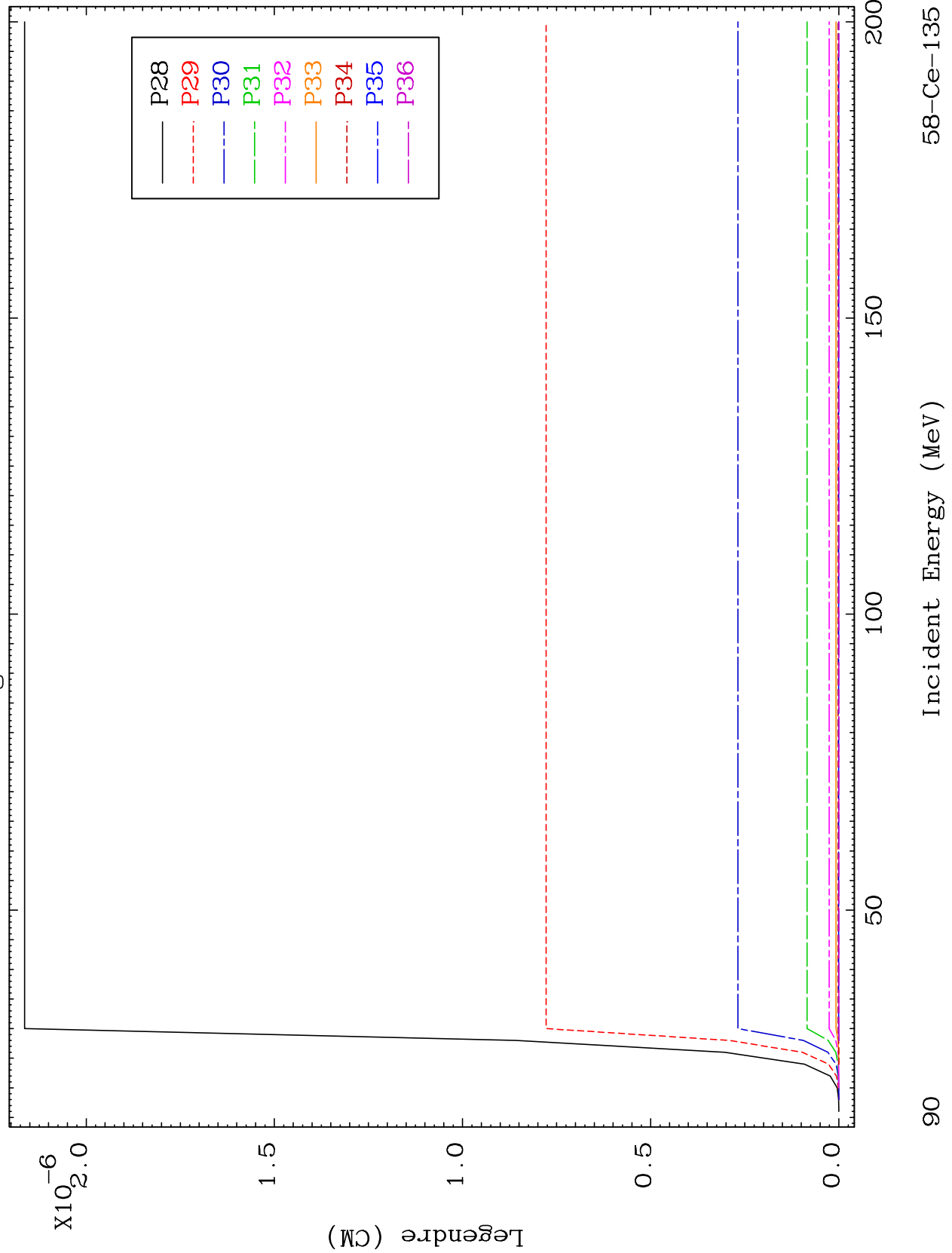


89

MAT 5822

2.021 MeV (n, n') Level  
Legendre Coefficients

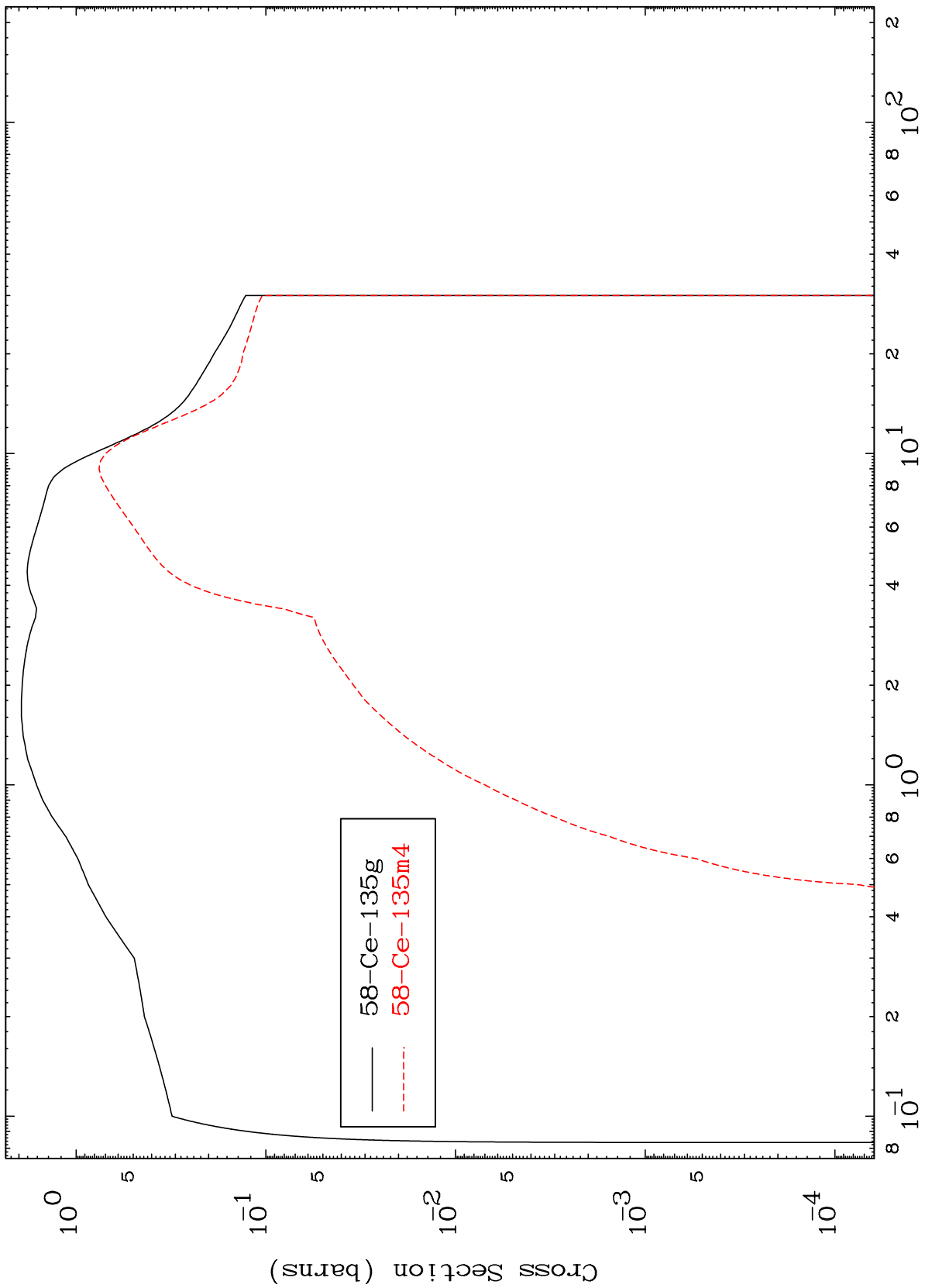
58-Ce-135



MAT 5822

58-Ce-135

Inelastic  
Radionuclide Production Cross Section



— 58-Ce-135g  
- - - 58-Ce-135m4

58-Ce-135

Incident Energy (MeV)

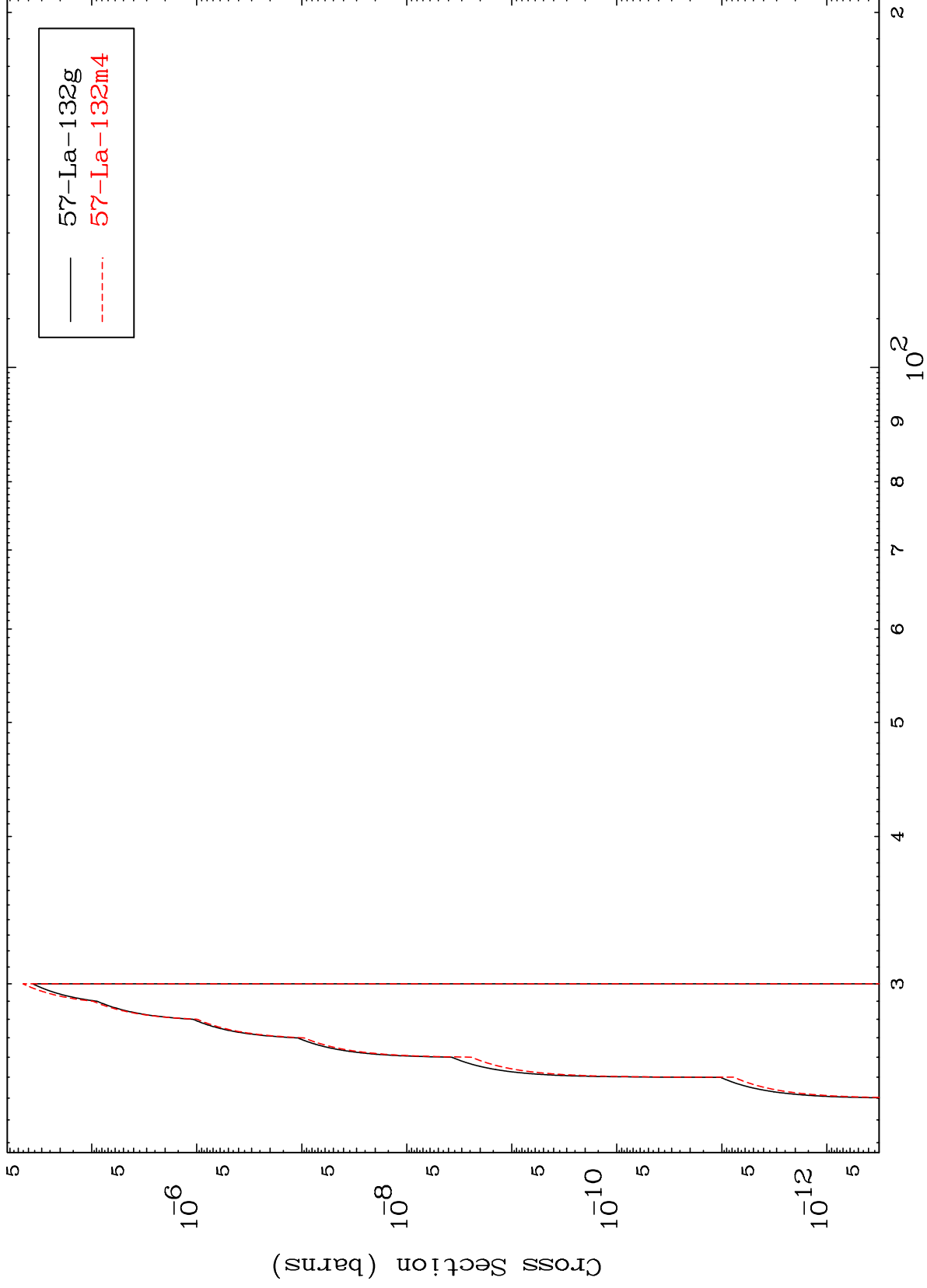
91

MAT 5822

(n,2n) d

58-Ce-135

Radionuclide Production Cross Section



92

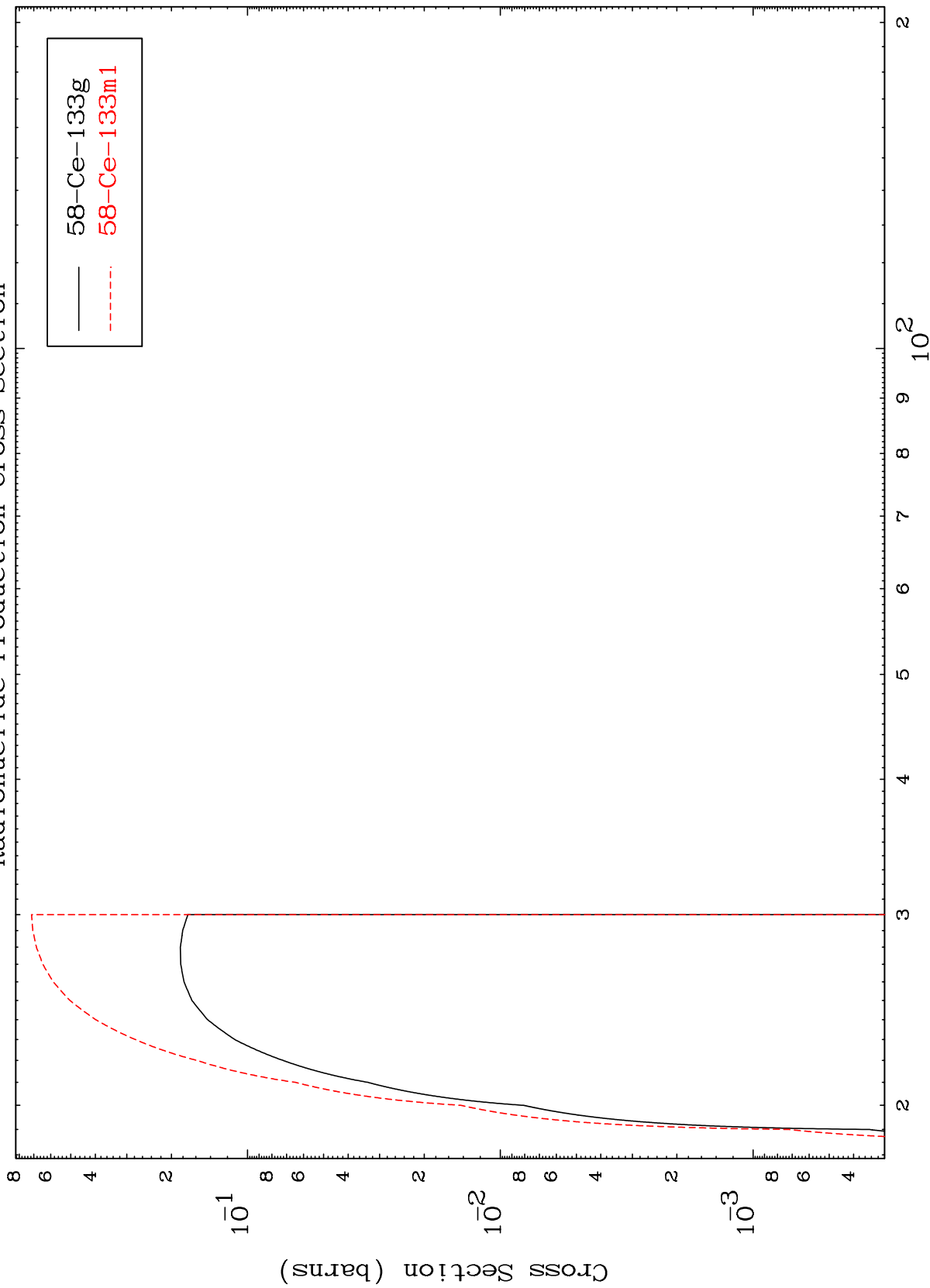
Incident Energy (MeV)

58-Ce-135

MAT 58222

58-Ce-135

(n,3n)  
Radionuclide Production Cross Section



58-Ce-133g  
58-Ce-133m1

93

Incident Energy (MeV)

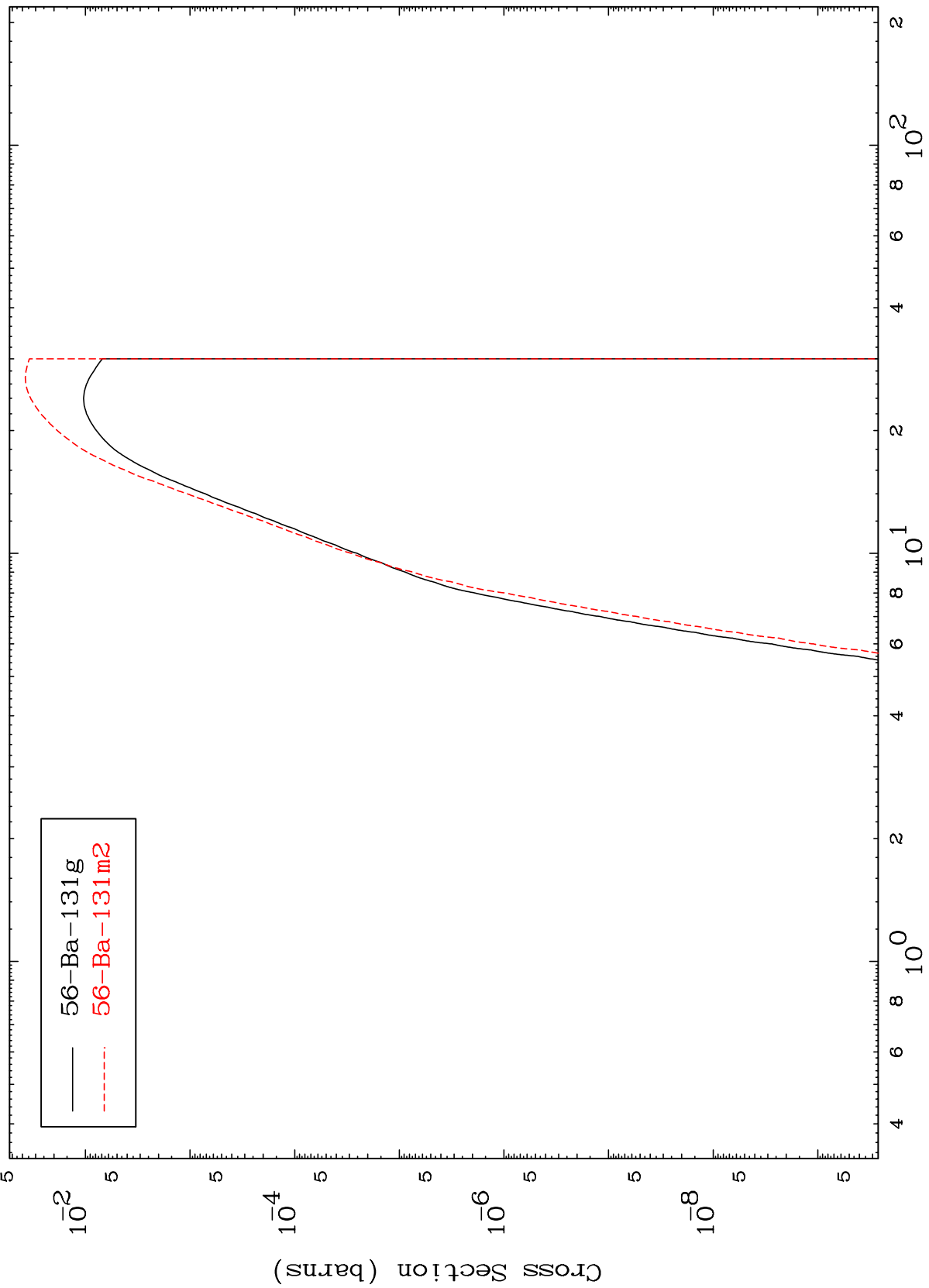
58-Ce-135

MAT 58222

(n,n')  $\alpha$

58-Ce-135

Radionuclide Production Cross Section



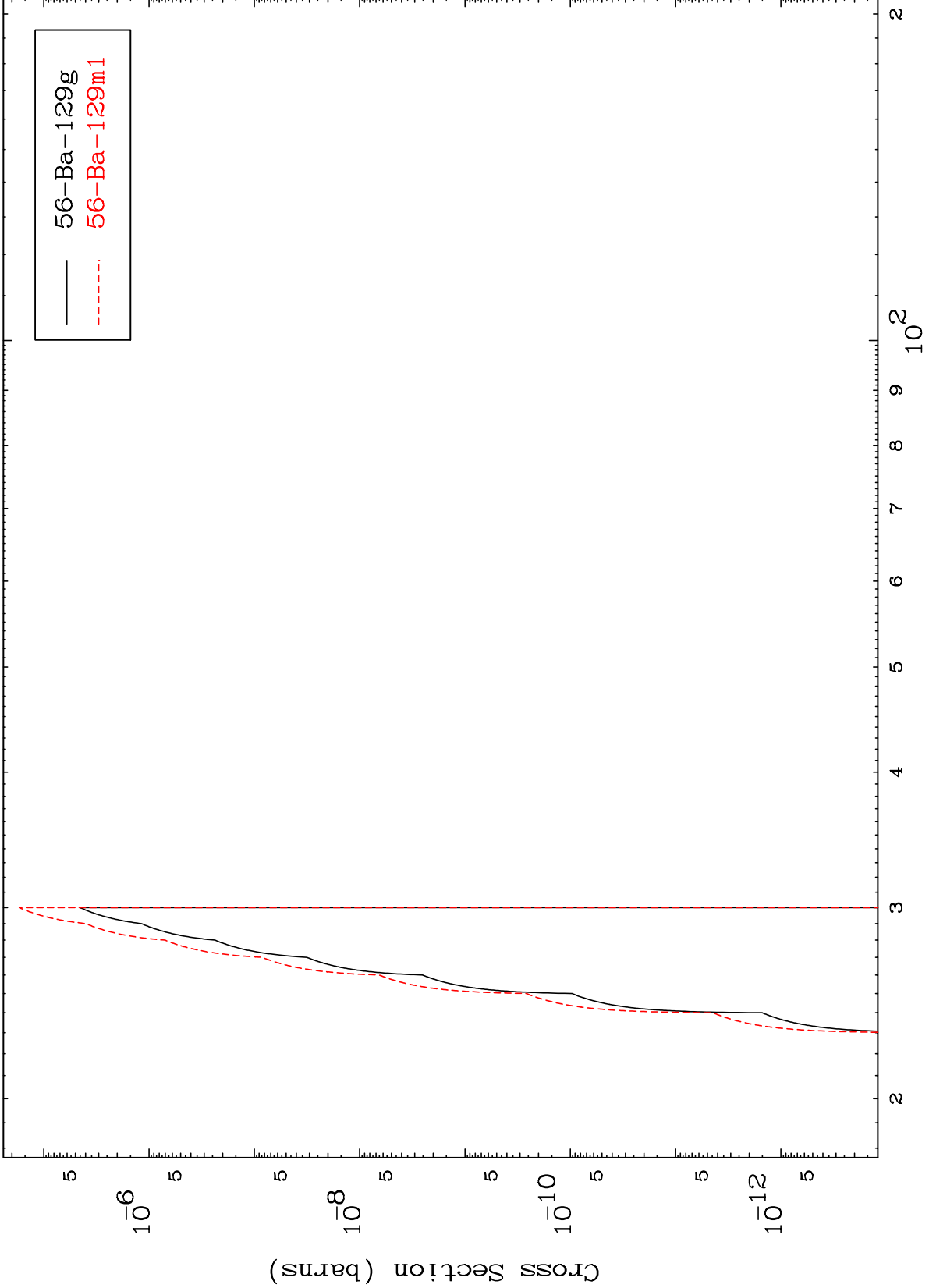
56-Ba-131g  
56-Ba-131m2

MAT 5822

(n,3n)  $\alpha$

58-Ce-135

Radionuclide Production Cross Section



56-Ba-129g  
56-Ba-129m1

95

Incident Energy (MeV)

58-Ce-135

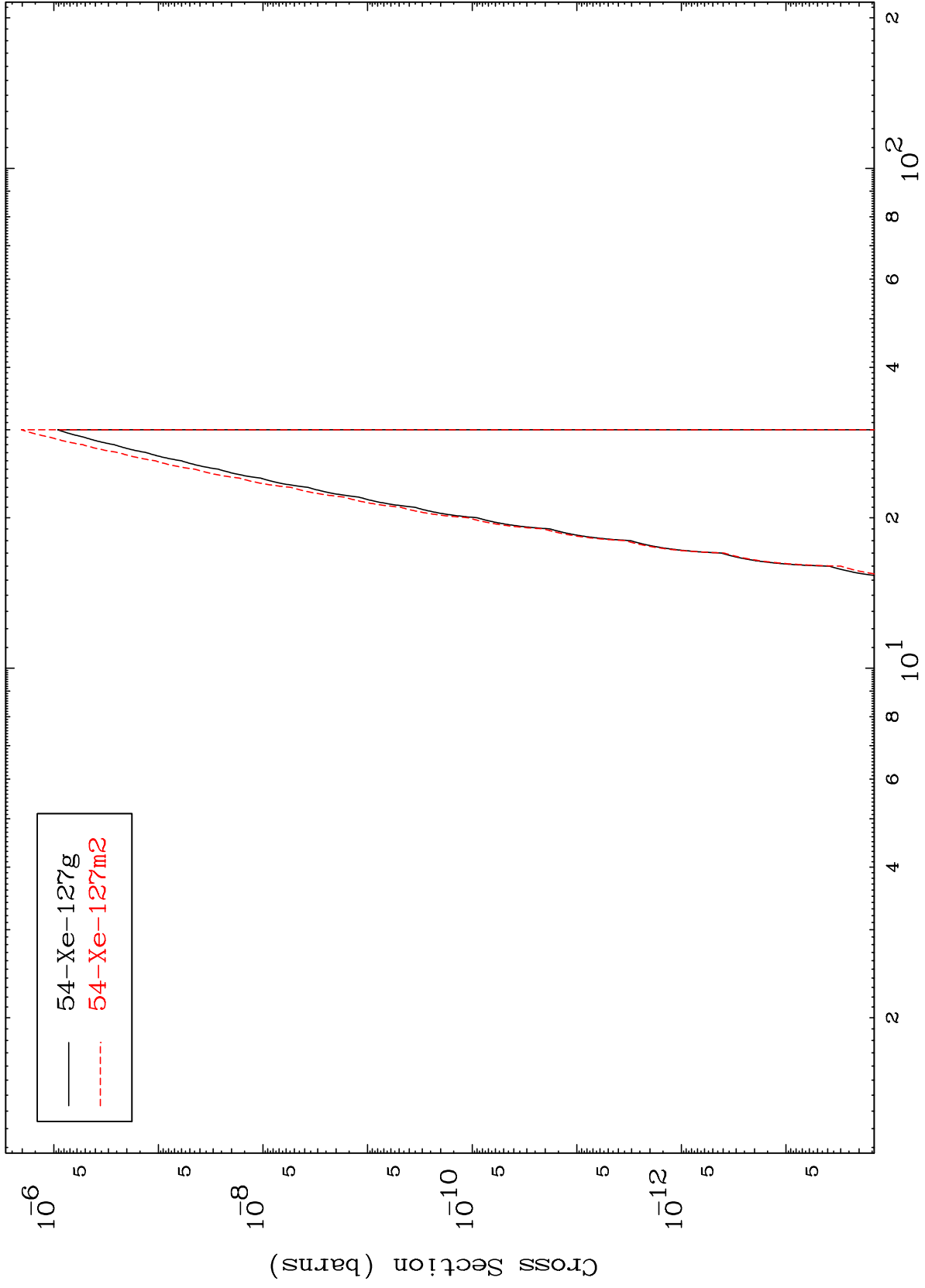


MAT 5822

(n,n') 2 $\alpha$

58-Ce-135

Radionuclide Production Cross Section



96

Incident Energy (MeV)

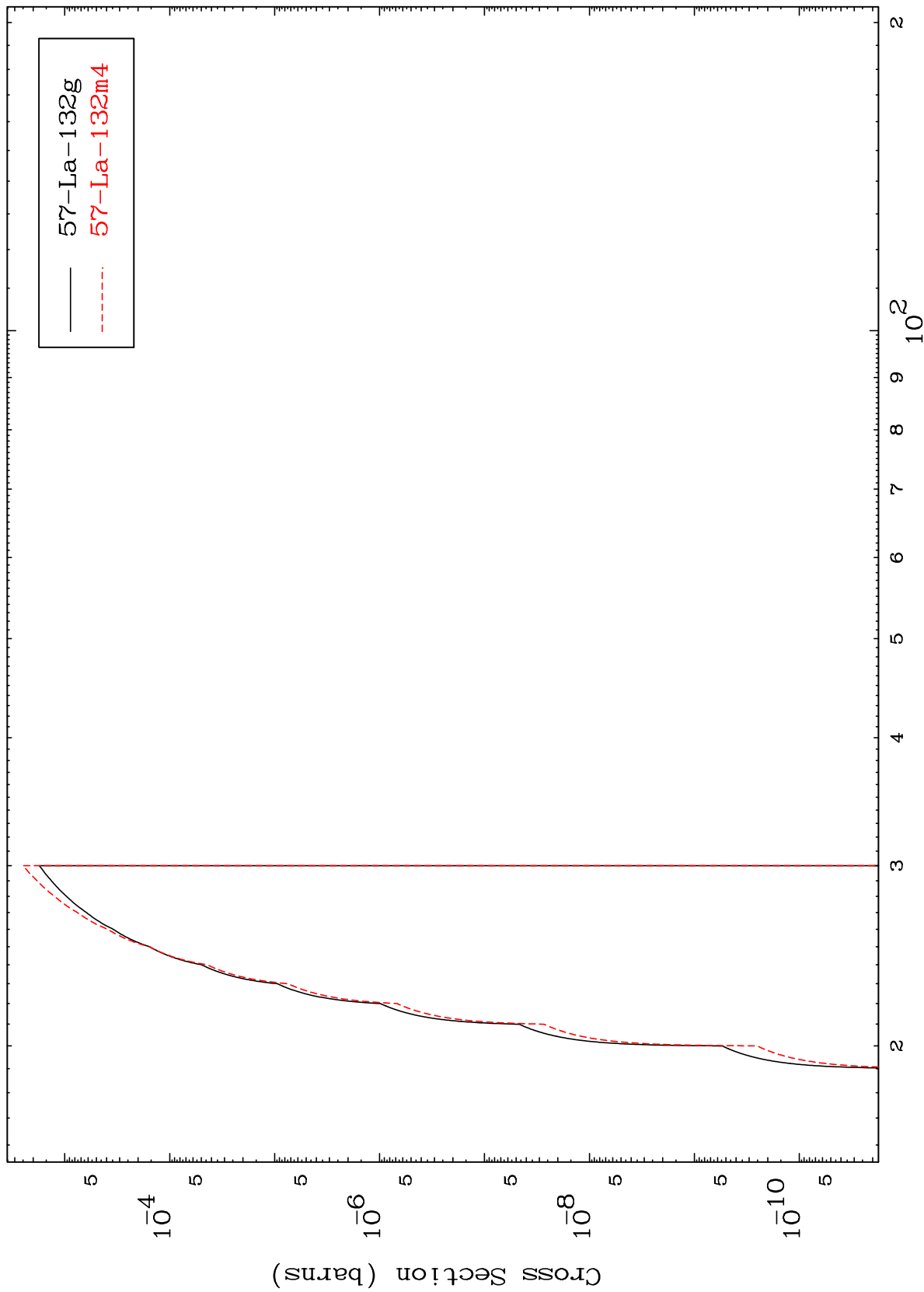
58-Ce-135

MAT 58222

(n,n') t

58-Ce-135

Radionuclide Production Cross Section



97

Incident Energy (MeV)

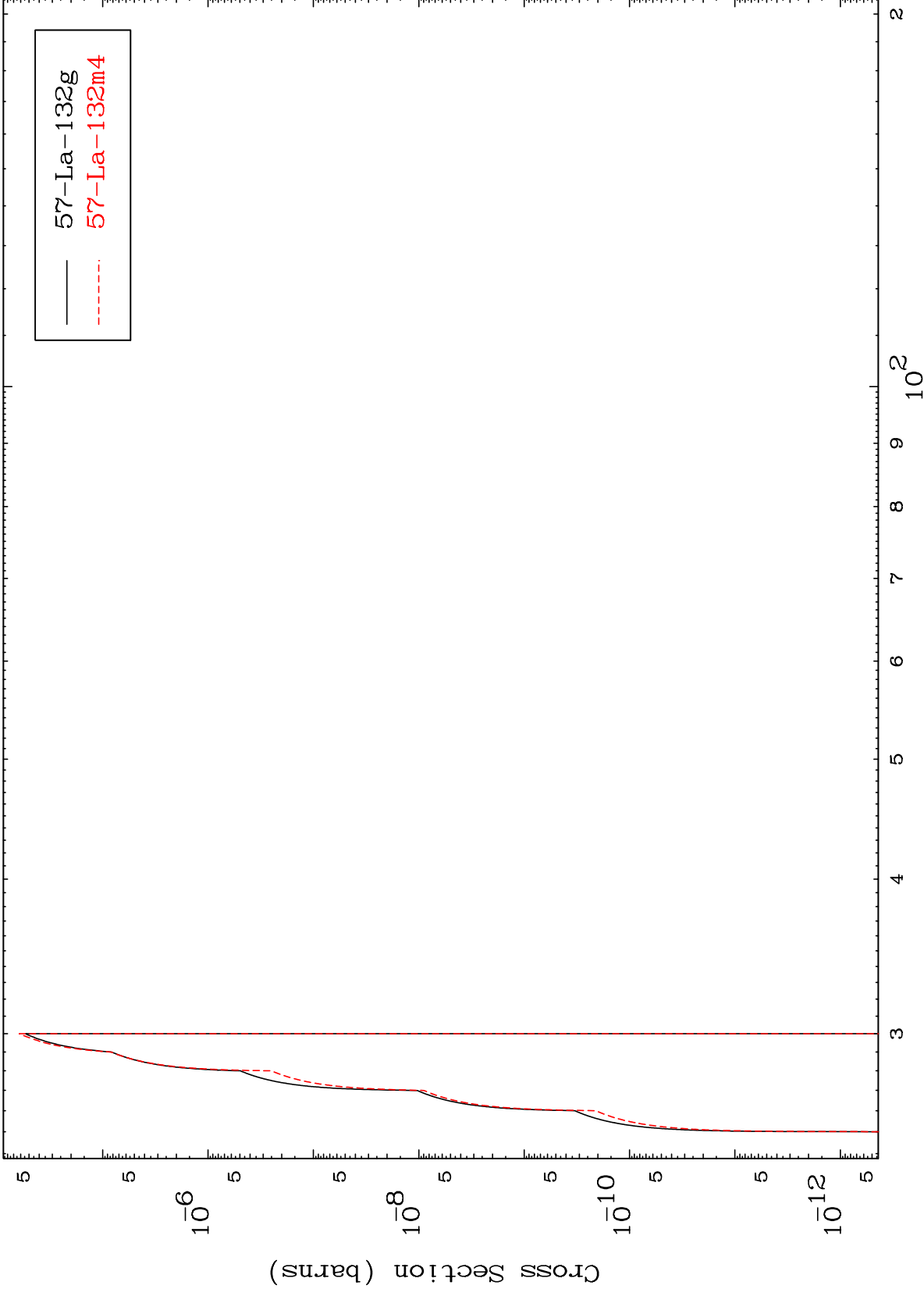
58-Ce-135

MAT 58222

(n,3n) p

58-Ce-135

Radionuclide Production Cross Section



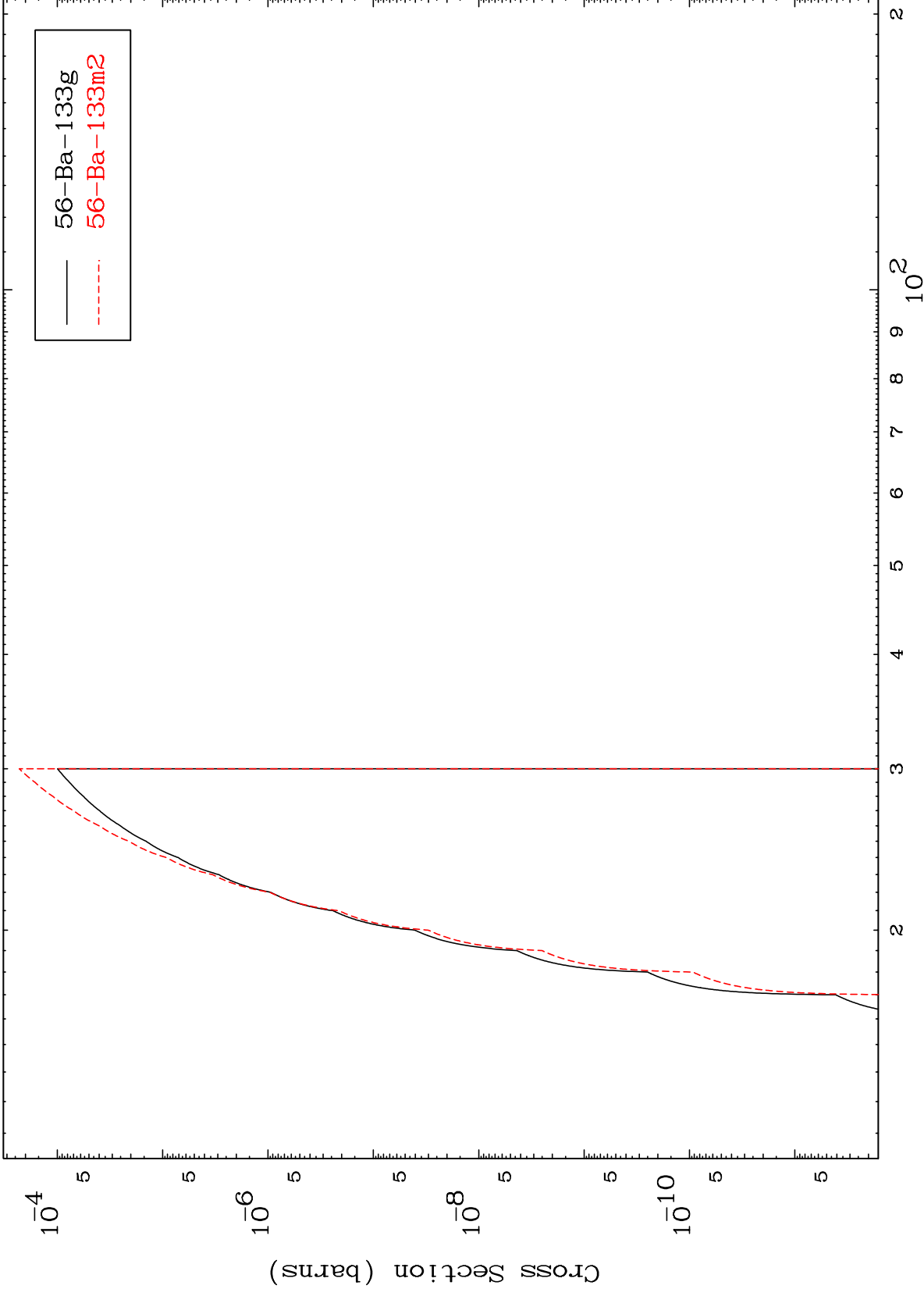
57-La-132g  
57-La-132m4

98

Incident Energy (MeV)

58-Ce-135

Radionuclide Production Cross Section

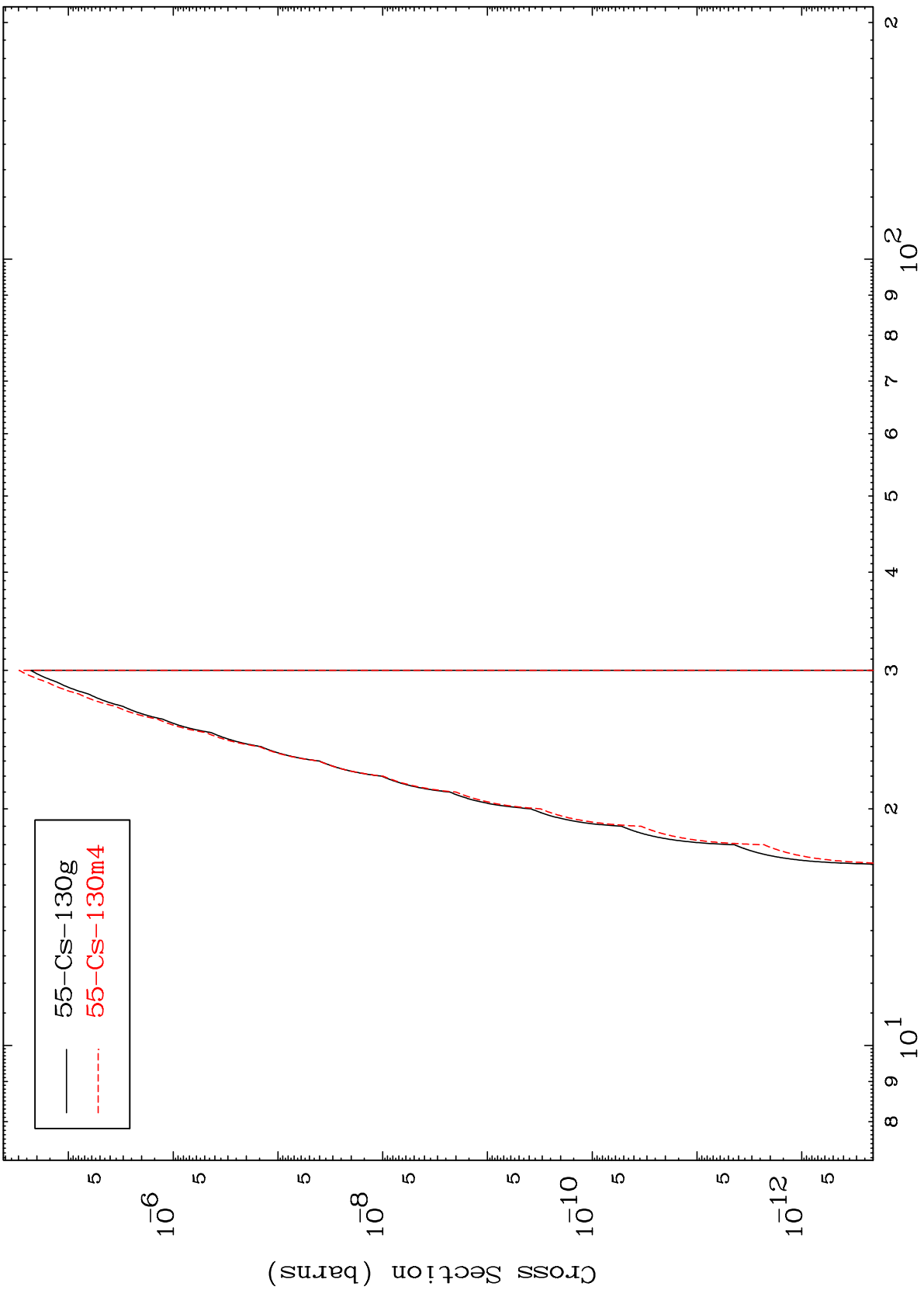


MAT 5822

(n,n') p  $\alpha$

58-Ce-135

Radionuclide Production Cross Section



55-Cs-130g  
55-Cs-130m4

100

Incident Energy (MeV)

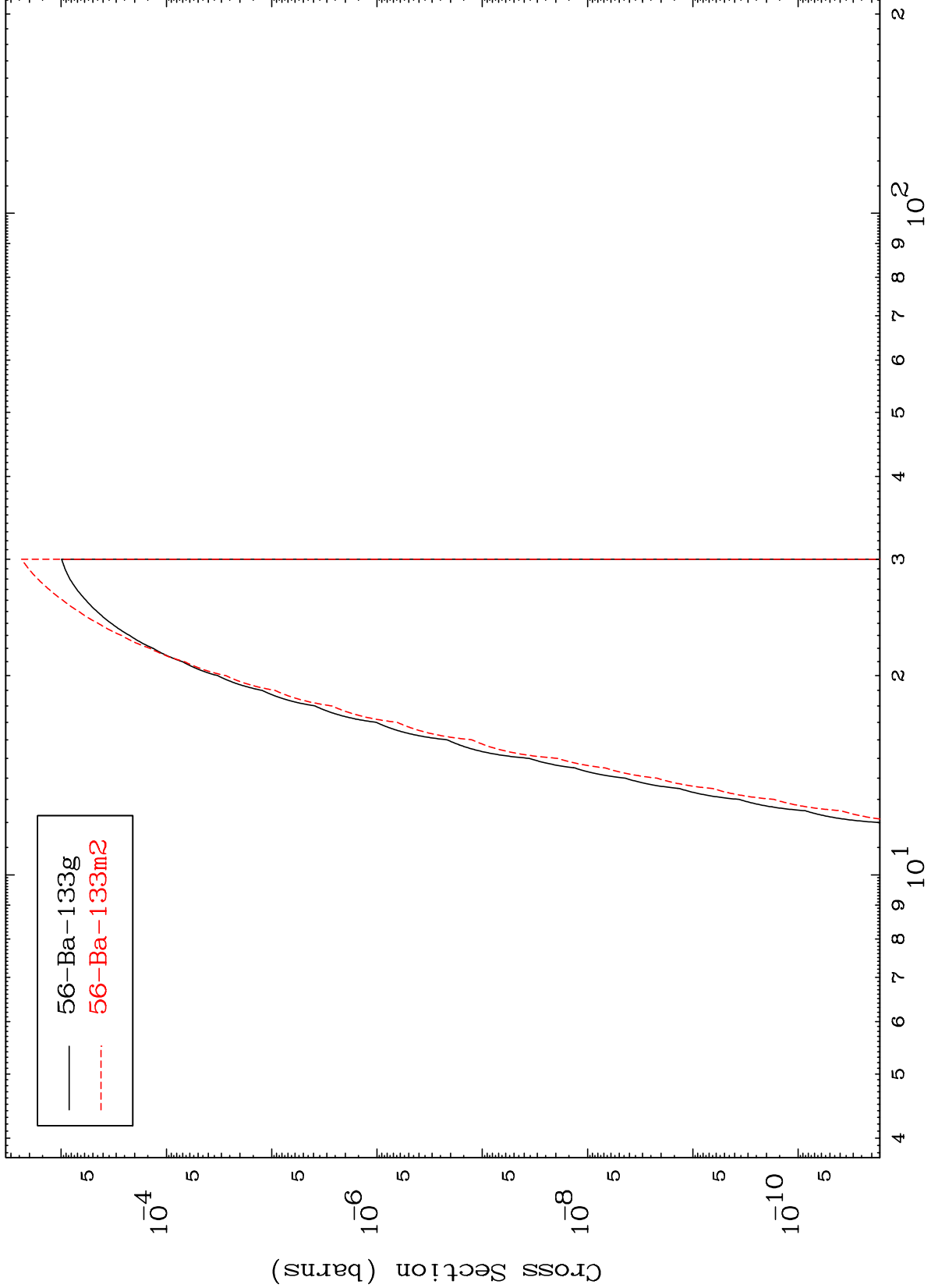
58-Ce-135

MAT 5822

(n,He-3)

58-Ce-135

Radionuclide Production Cross Section



56-Ba-133g  
56-Ba-133m2

101

Incident Energy (MeV)

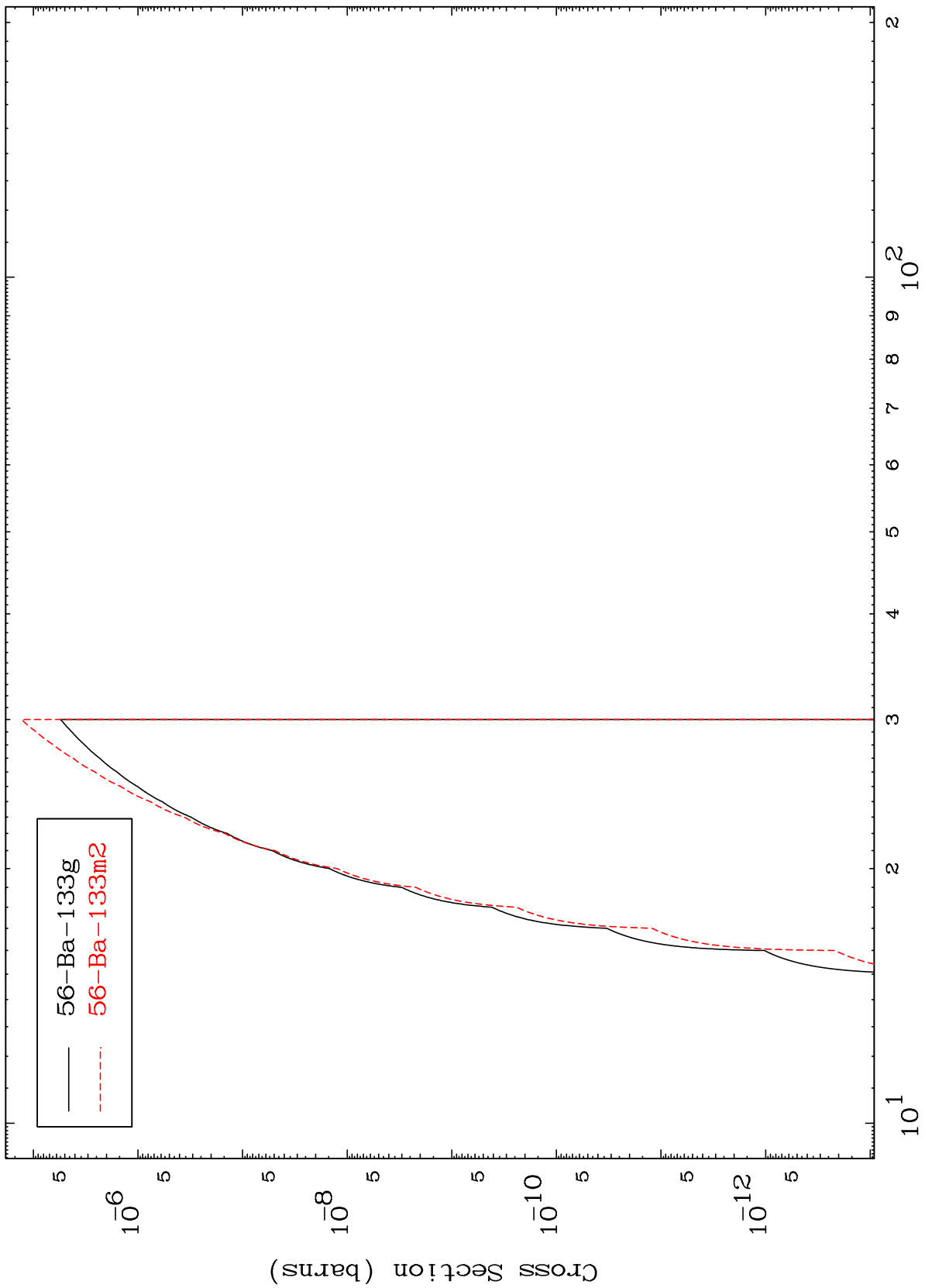
58-Ce-135

MAT 5822

(n,p) d

58-Ce-135

Radionuclide Production Cross Section



10<sup>1</sup>

Incident Energy (MeV)

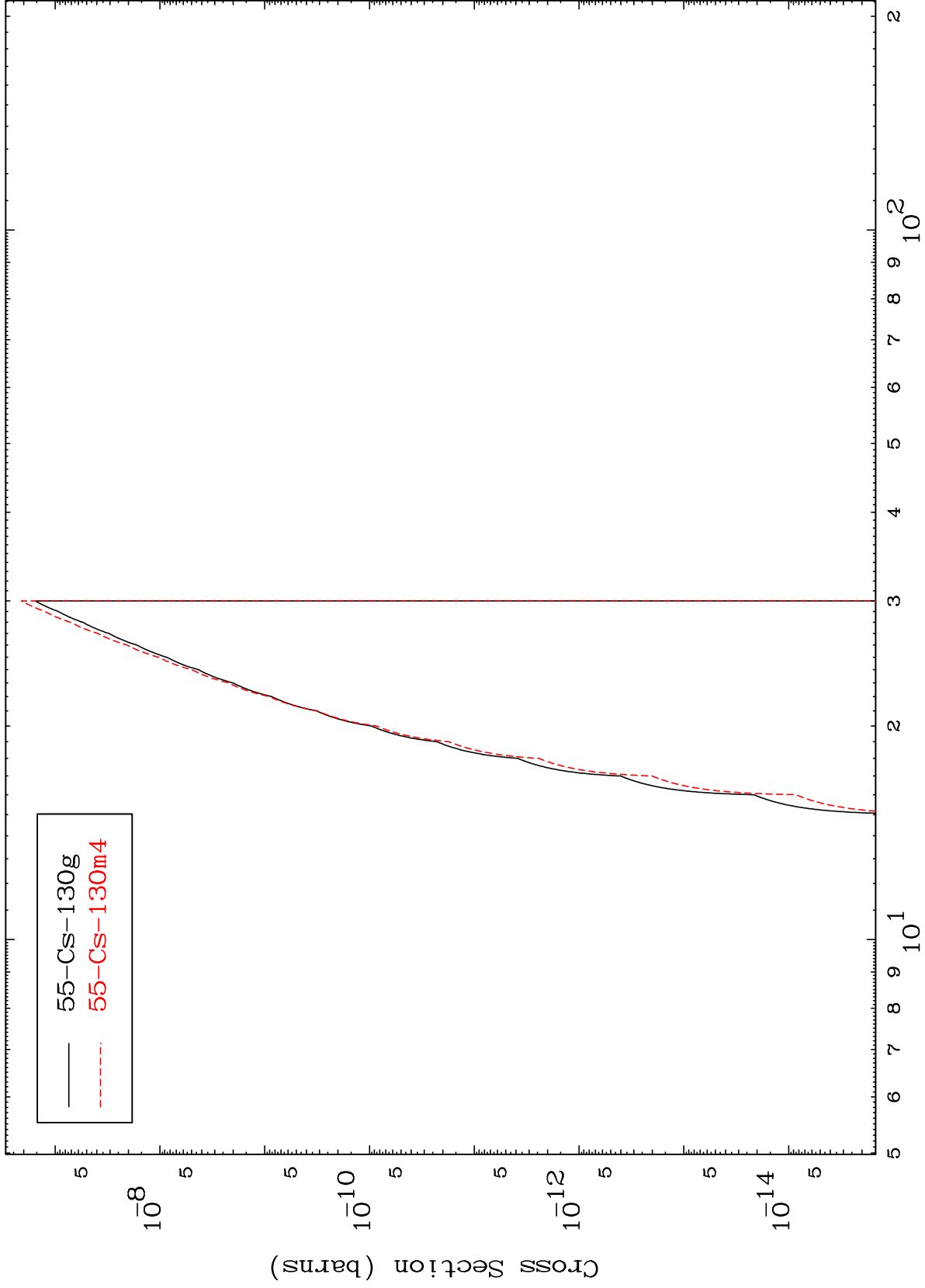
58-Ce-135

MAT 5822

(n,d)  $\alpha$

58-Ce-135

Radionuclide Production Cross Section



103

Incident Energy (MeV)

58-Ce-135