

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

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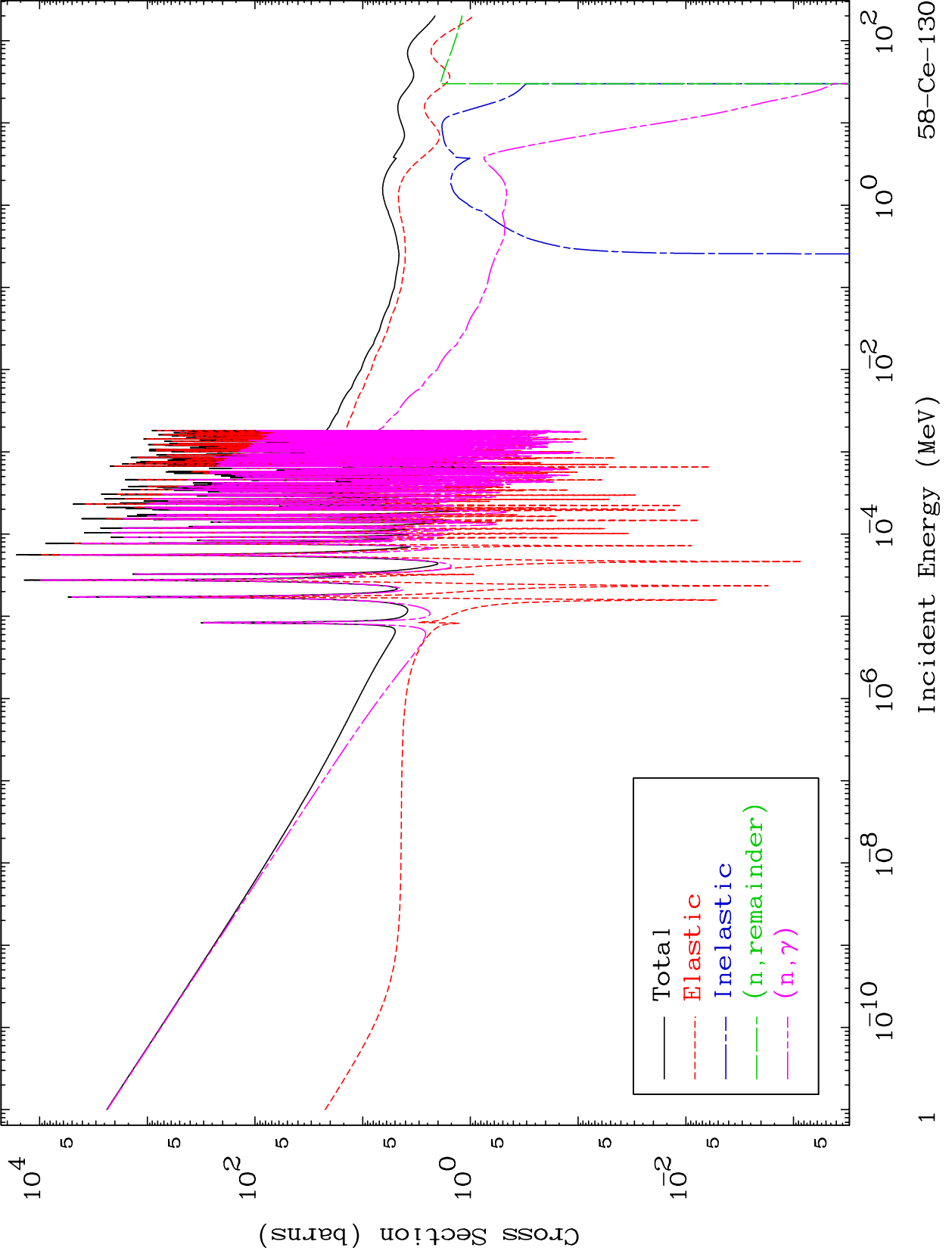
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5807

Major
293 Kelvin Cross Sections

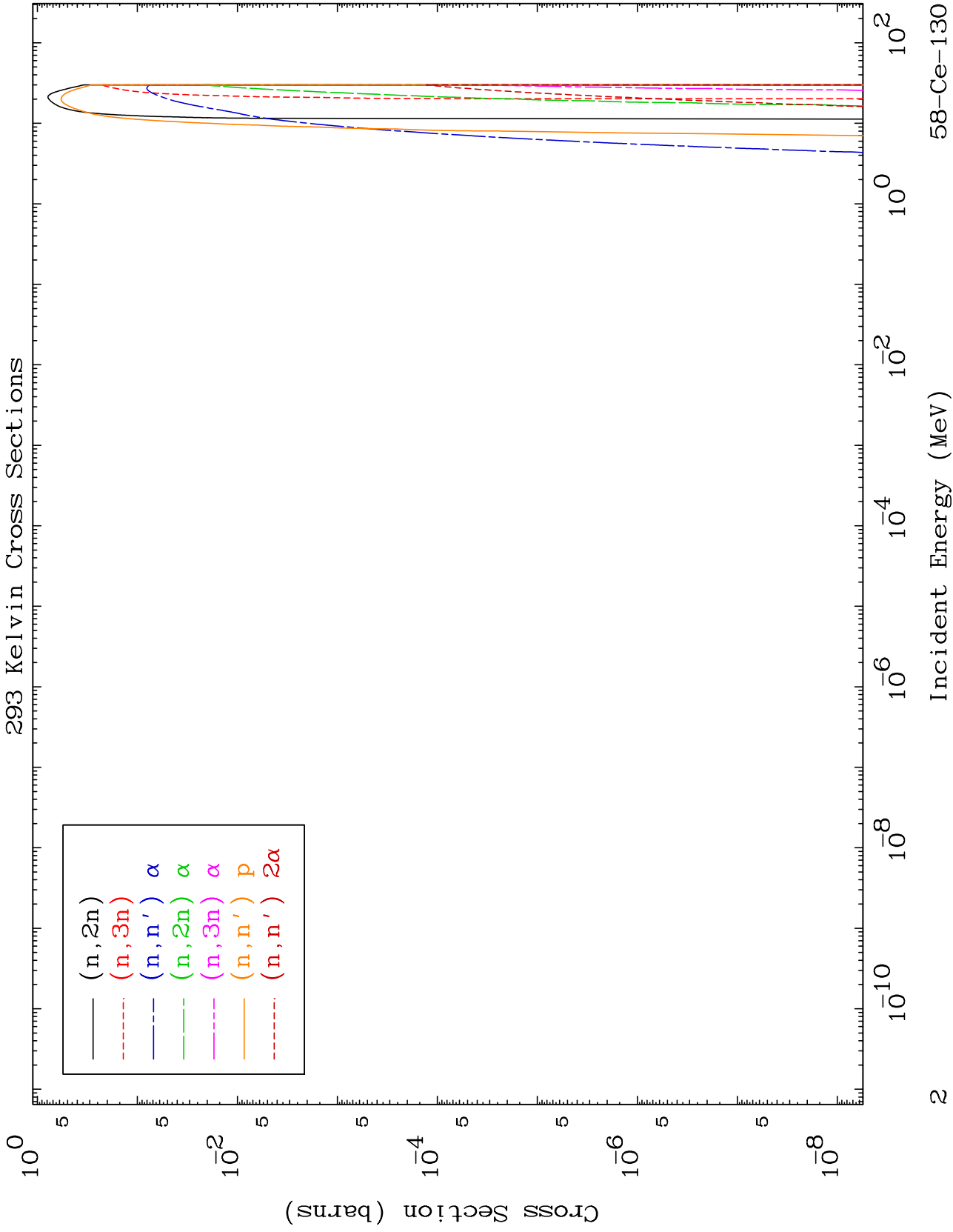
58-Ce-130

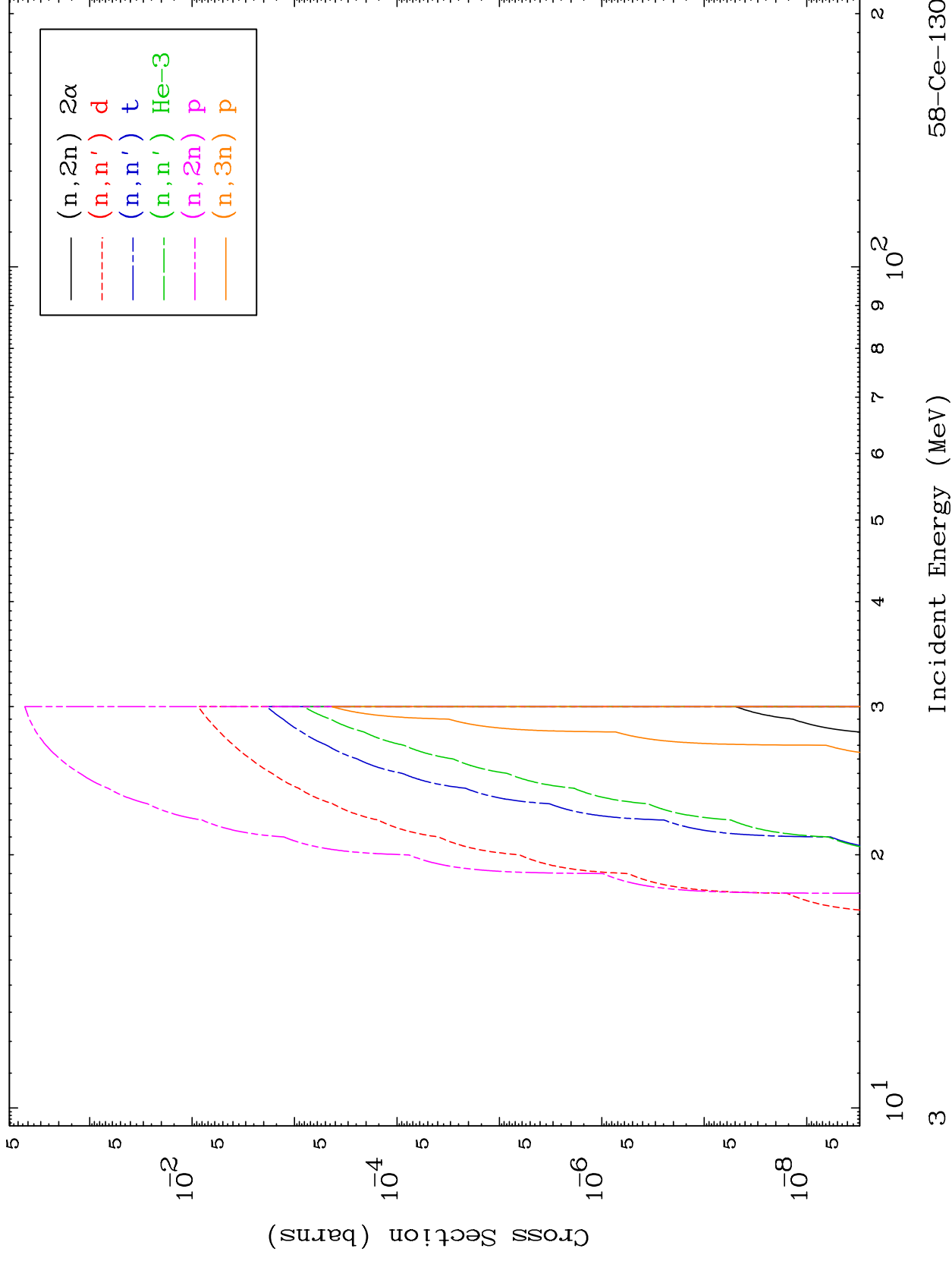


MAT 5807

Neutron Production
293 Kelvin Cross Sections

58-Ce-130

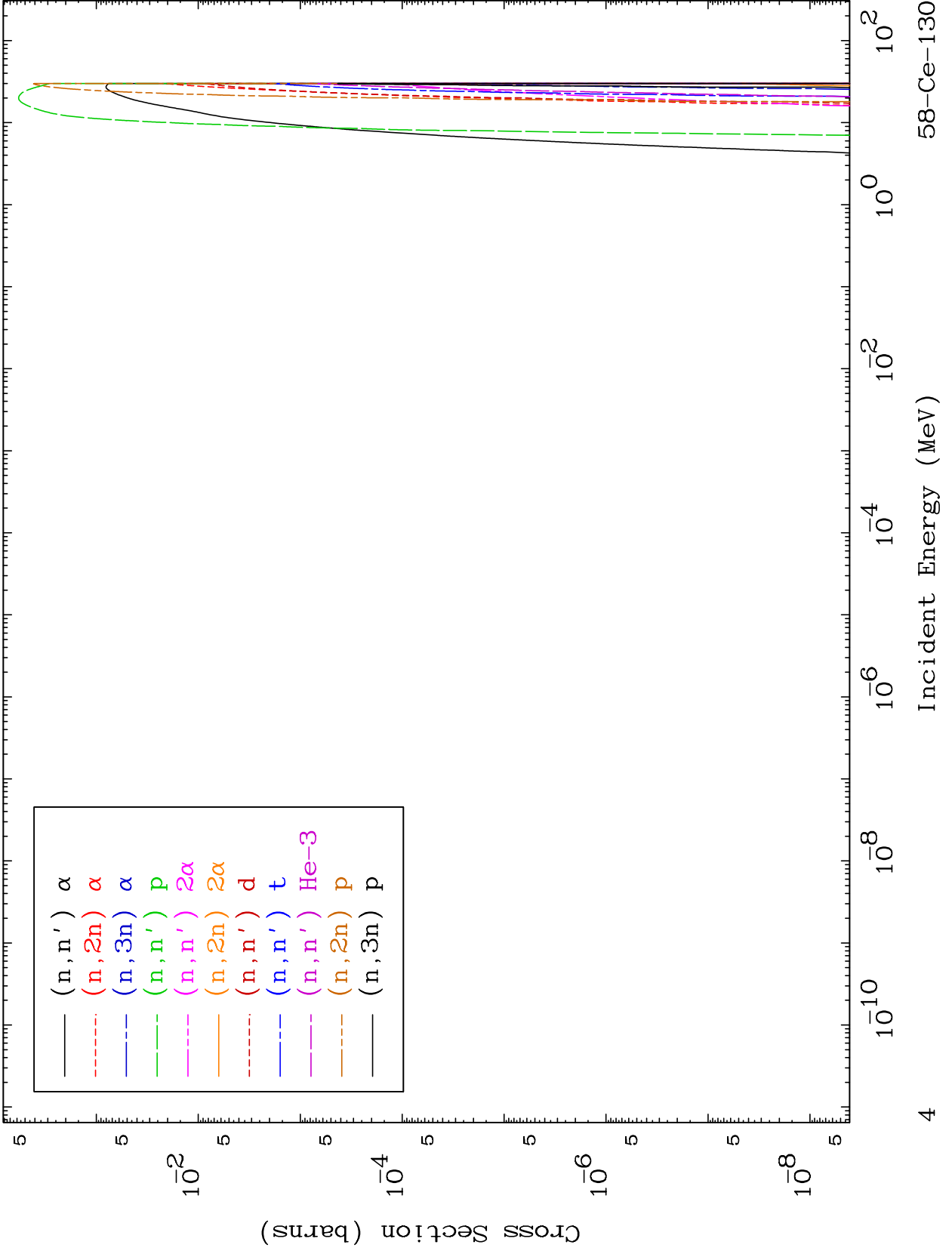




MAT 5807

Charged Particle
293 Kelvin Cross Sections

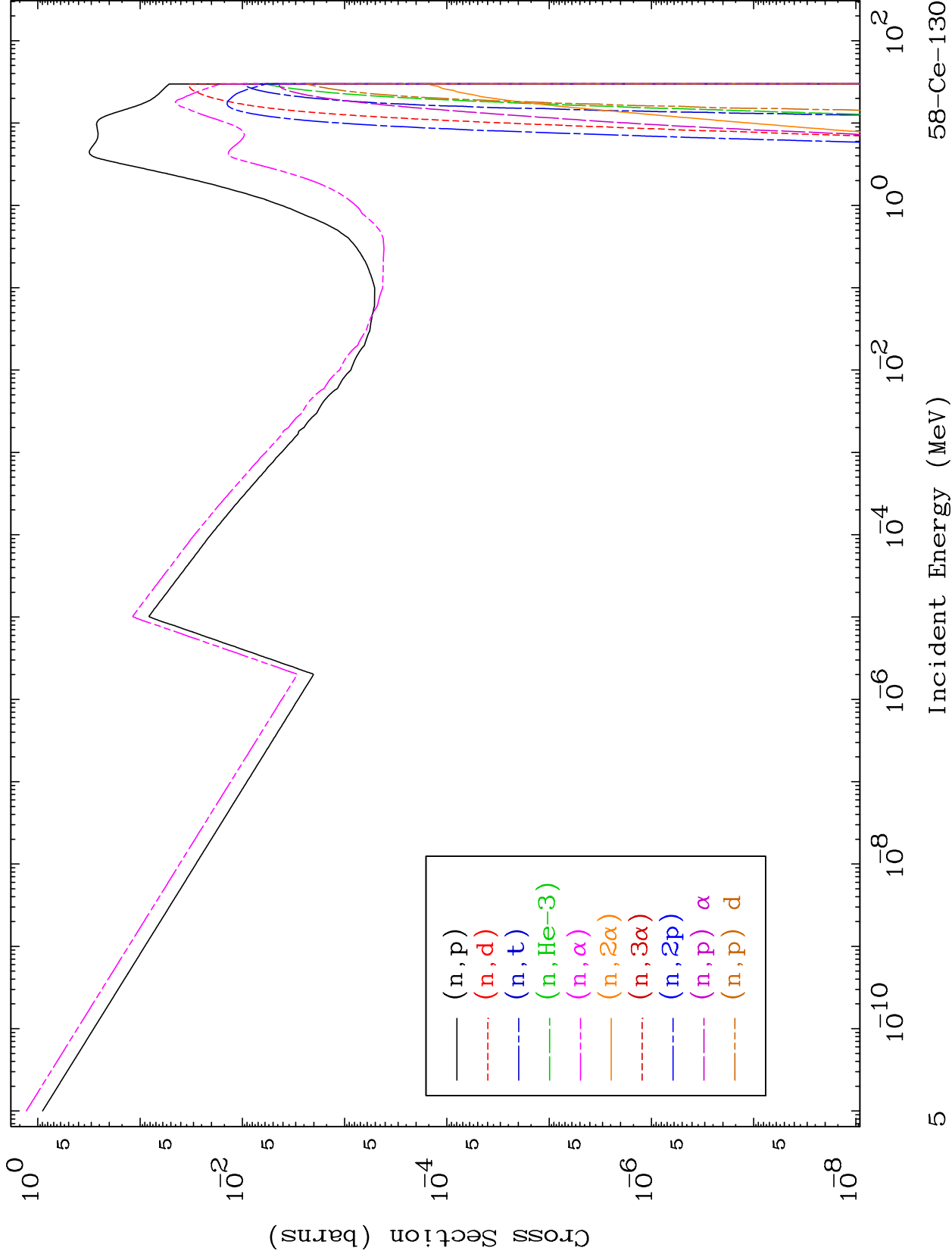
58-Ce-130



MAT 5807

Charged Particle
293 Kelvin Cross Sections

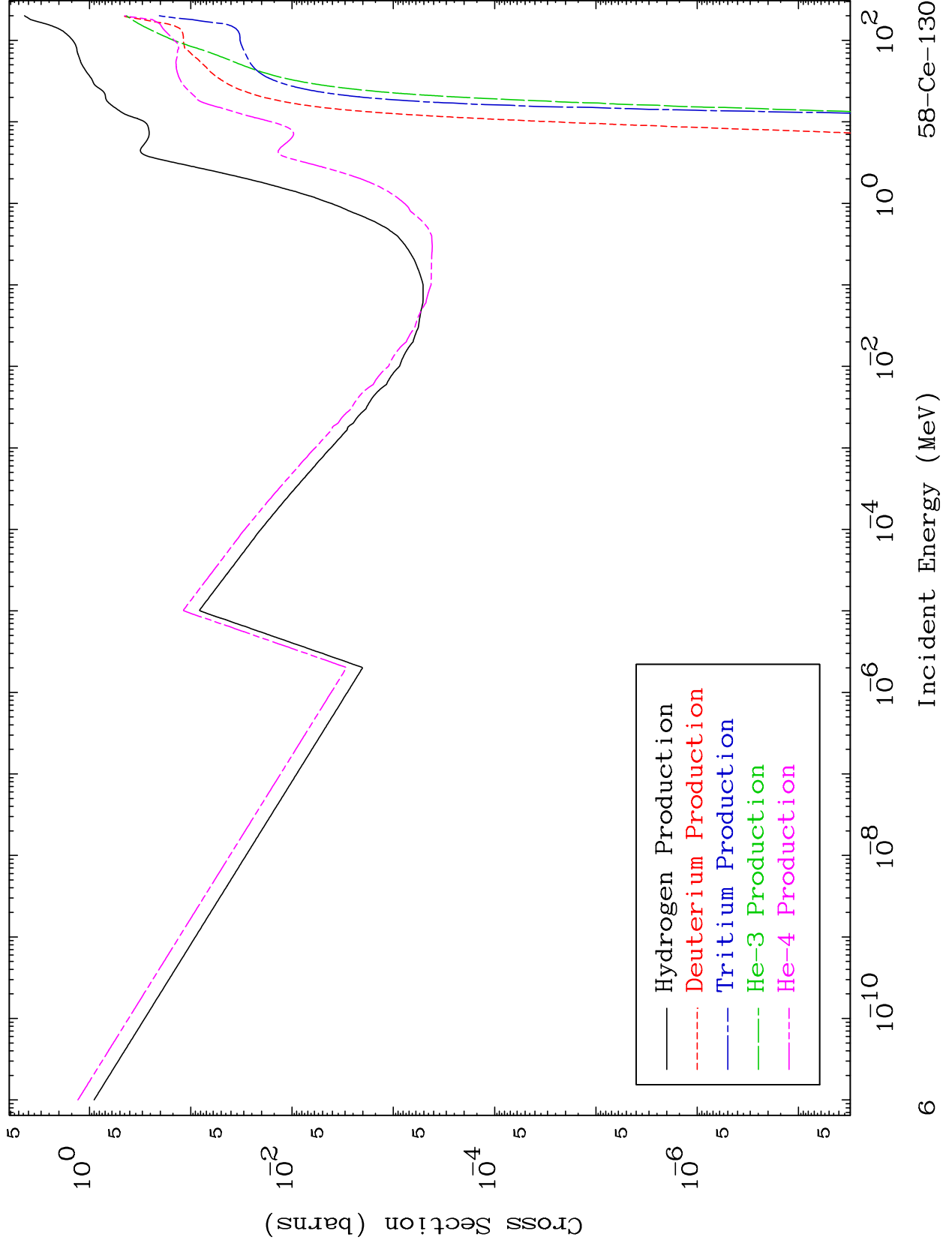
58-Ce-130



MAT 5807

Particle Production
293 Kelvin Cross Sections

58-Ce-130

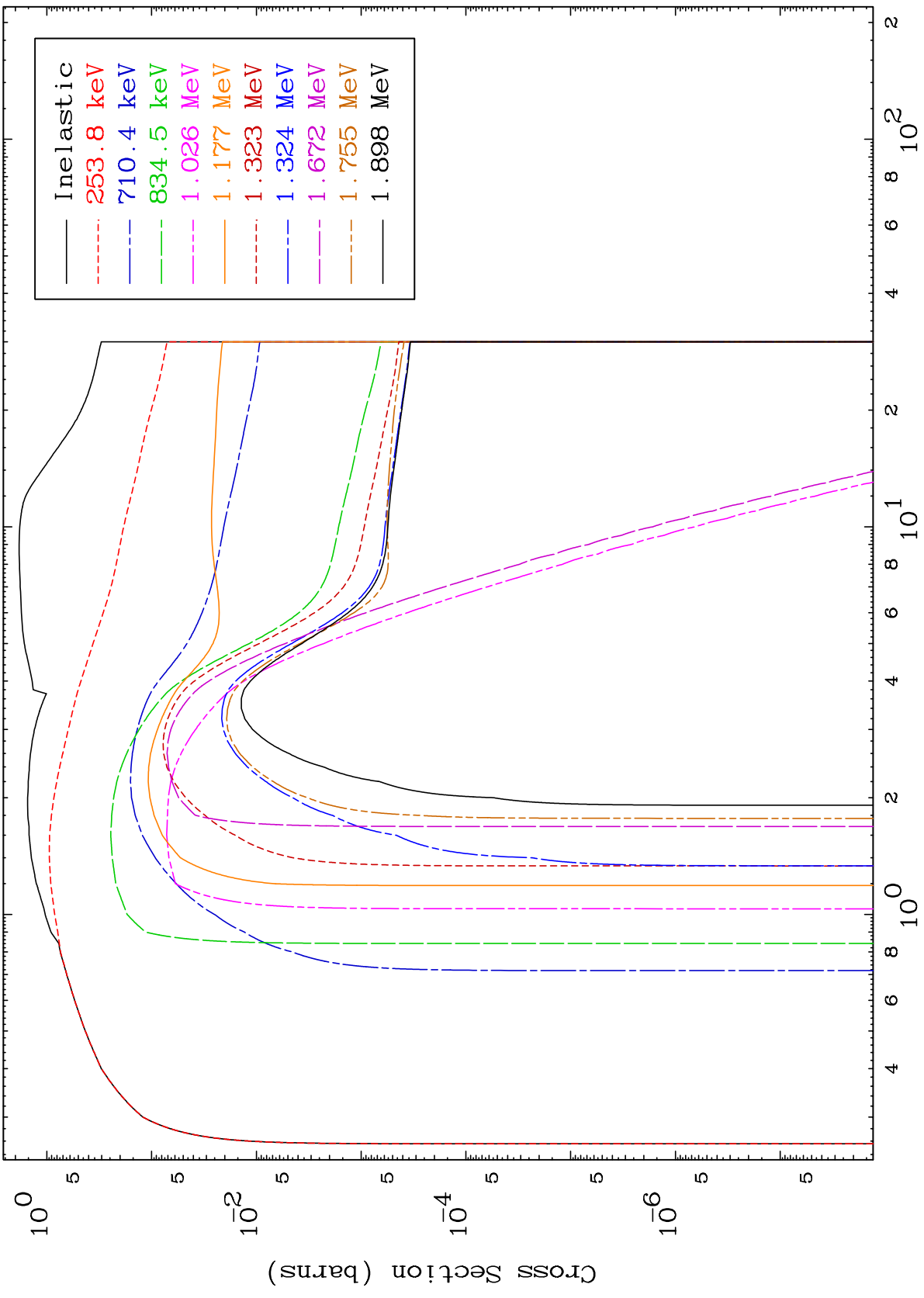


MAT 5807

(n,n') Level

58-Ce-130

293 Kelvin Cross Sections

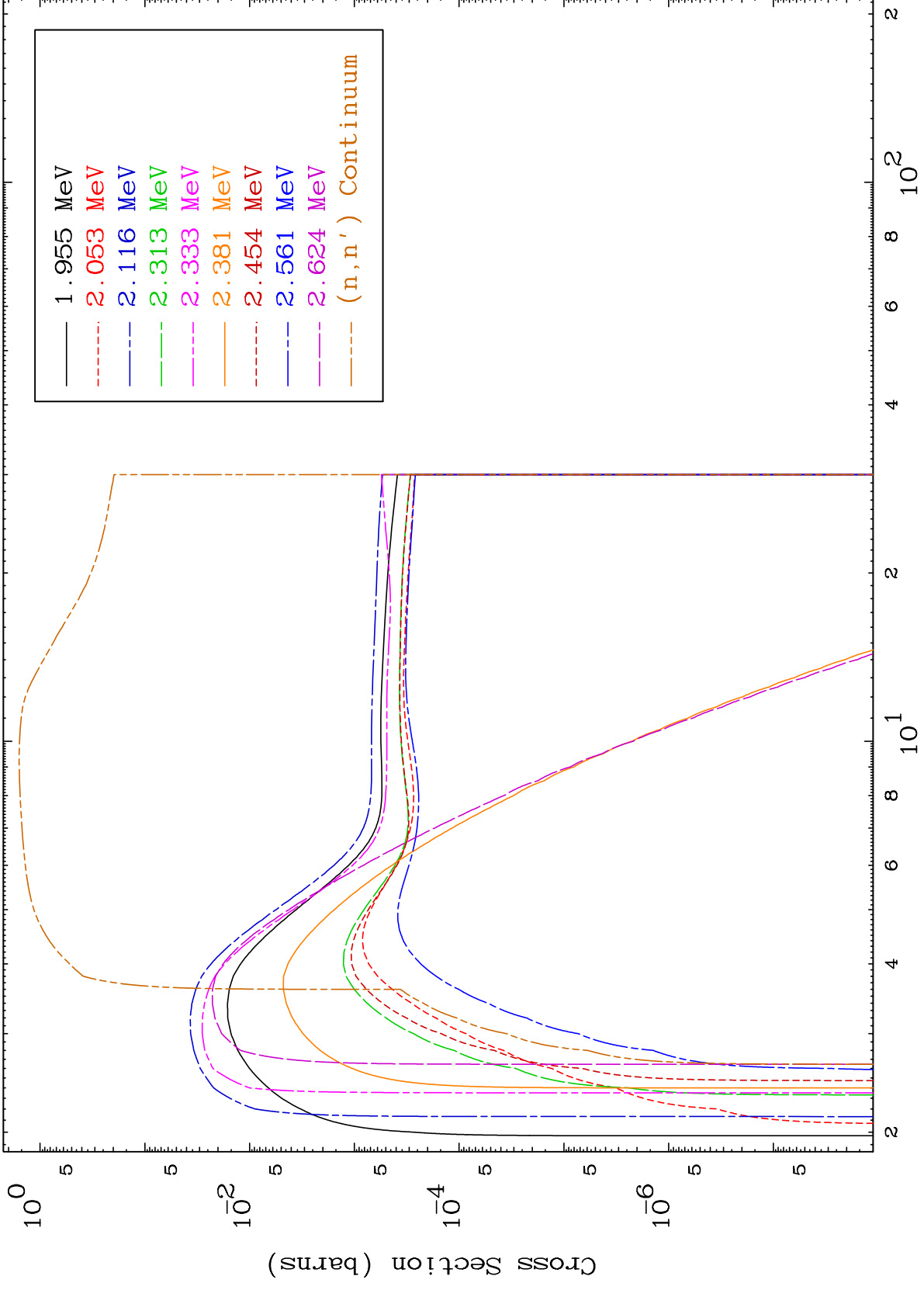


MAT 5807

(n,n') Level

58-Ce-130

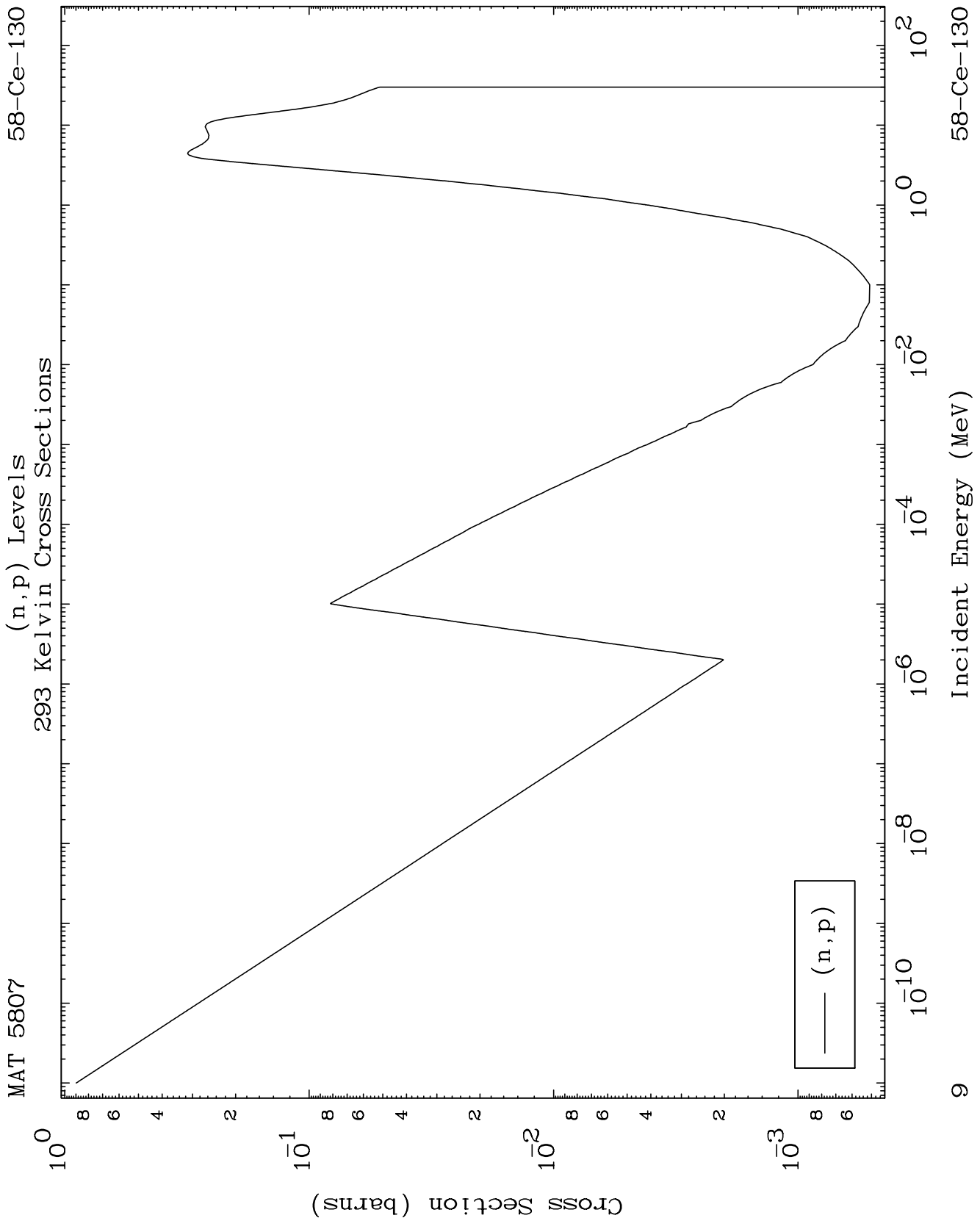
293 Kelvin Cross Sections



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Incident Energy (MeV)

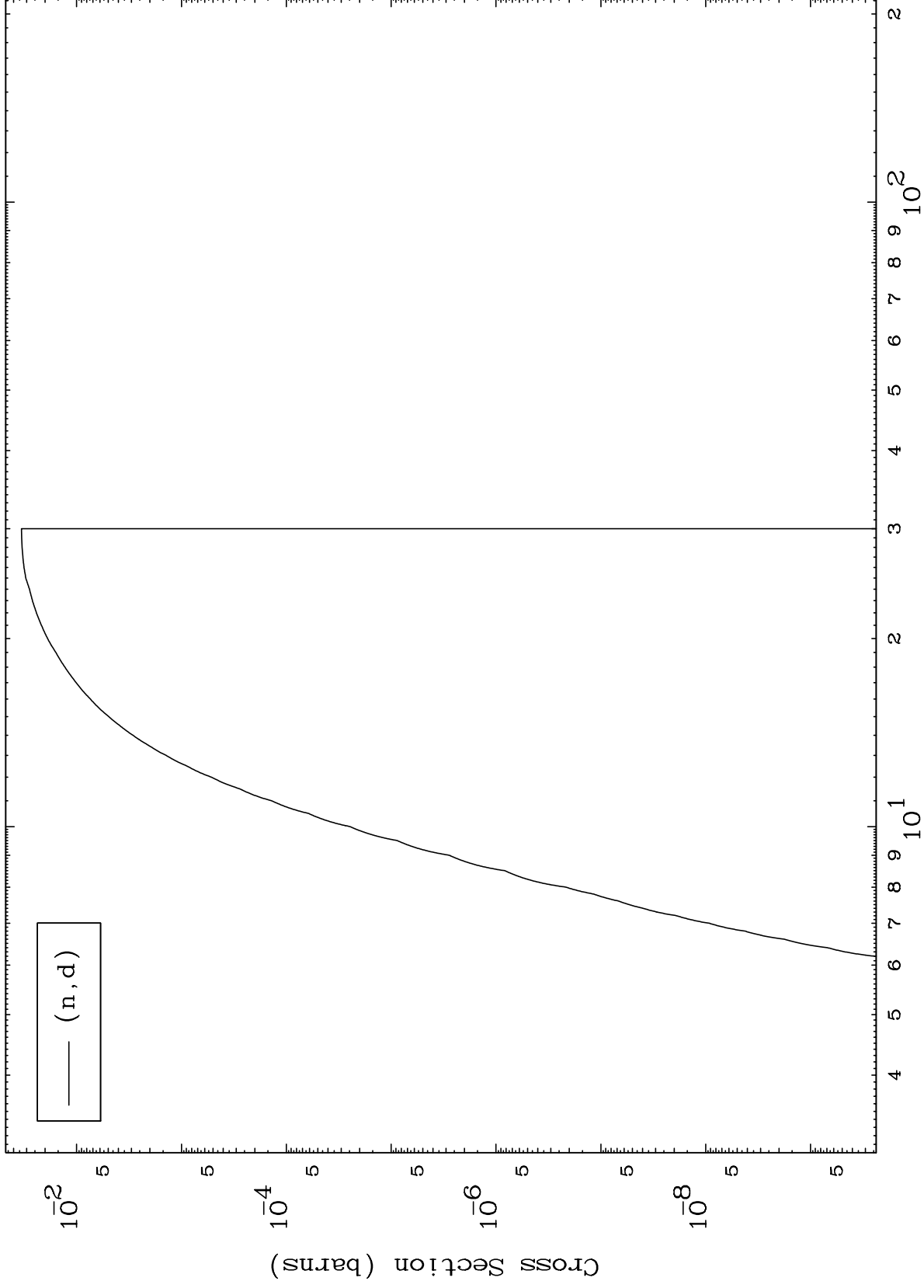
58-Ce-130



MAT 5807

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-130



10

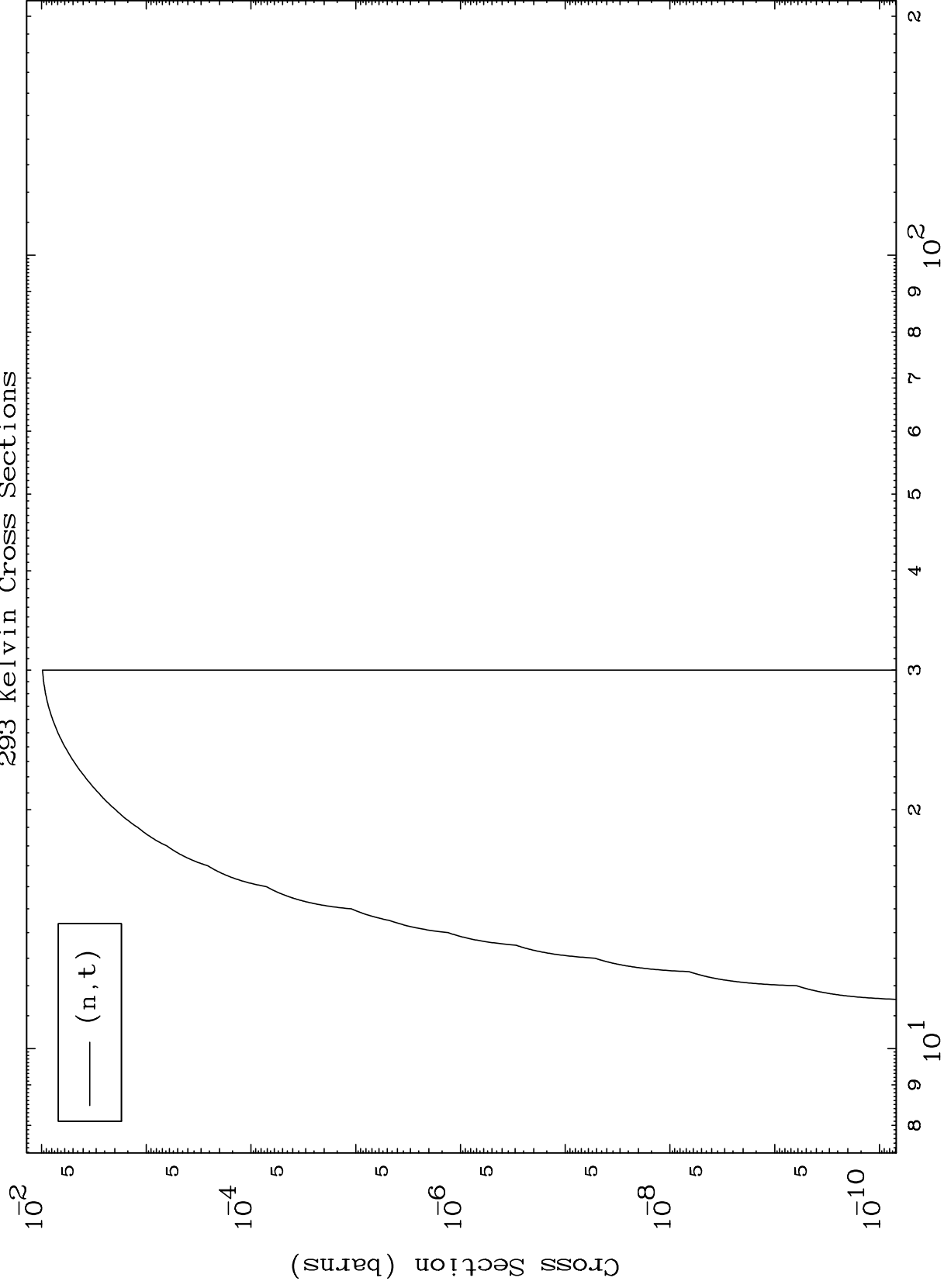
Incident Energy (MeV)

58-Ce-130

MAT 5807

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-130



11

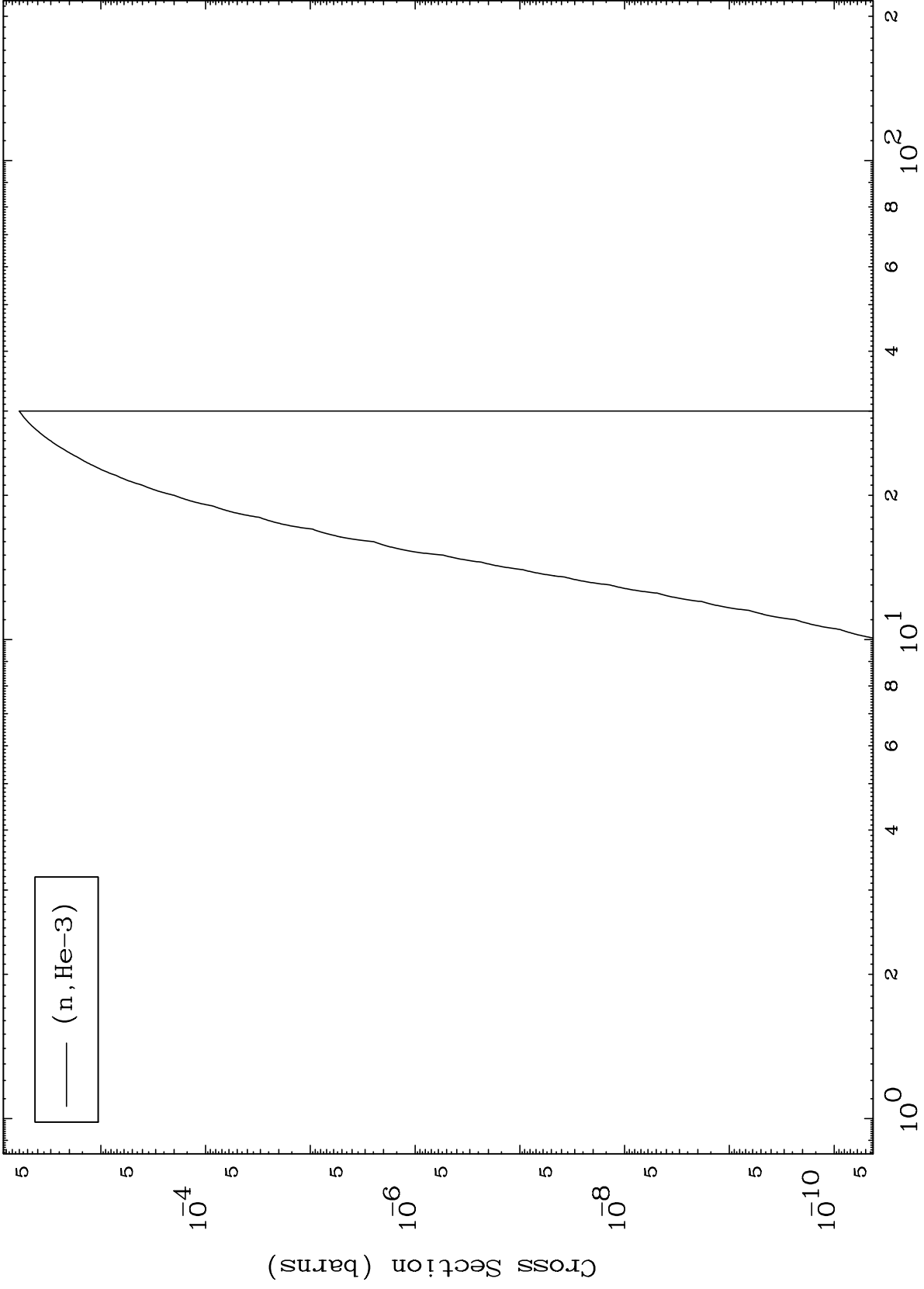
Incident Energy (MeV)

58-Ce-130

MAT 5807

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-130



12

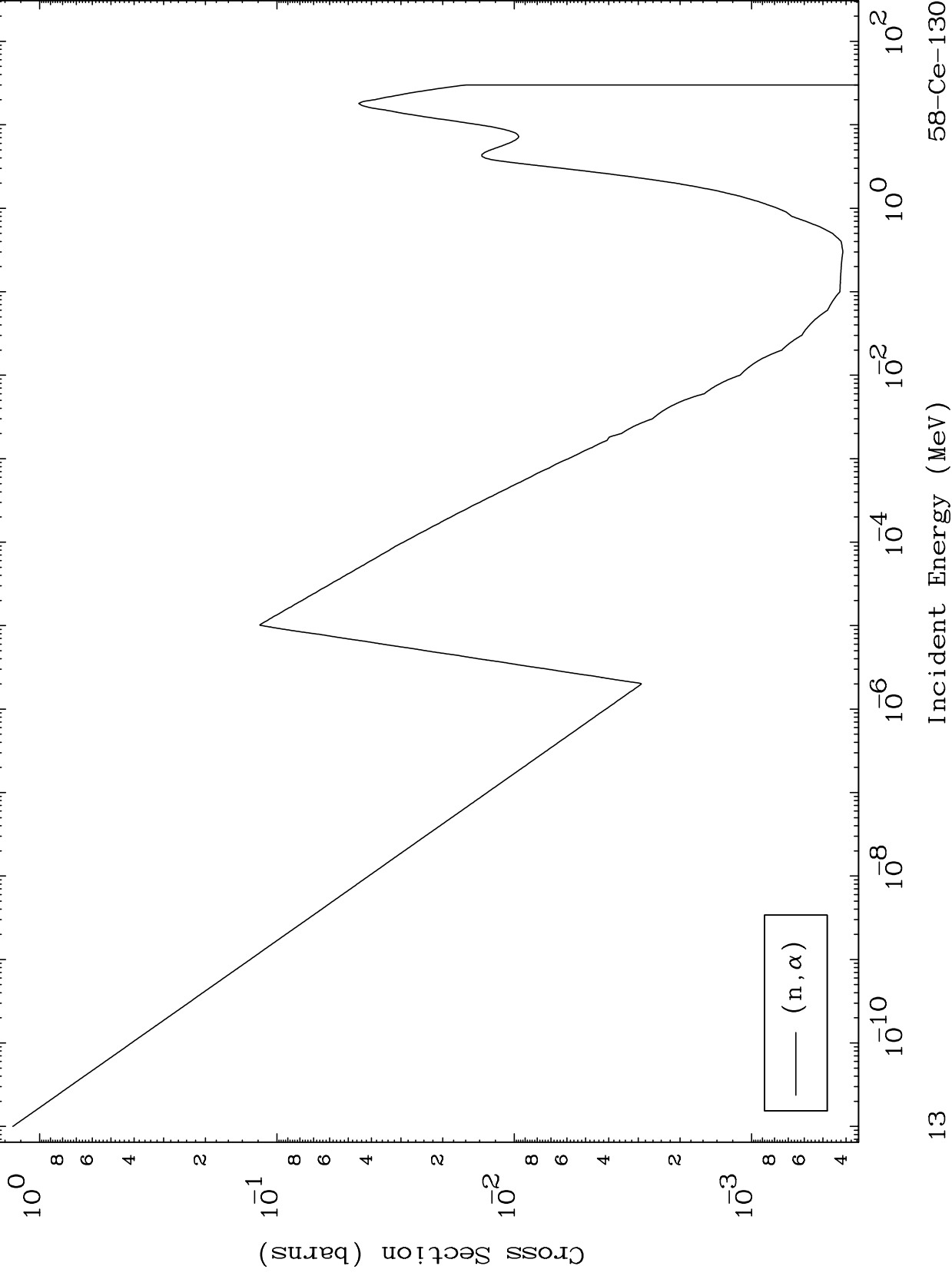
Incident Energy (MeV)

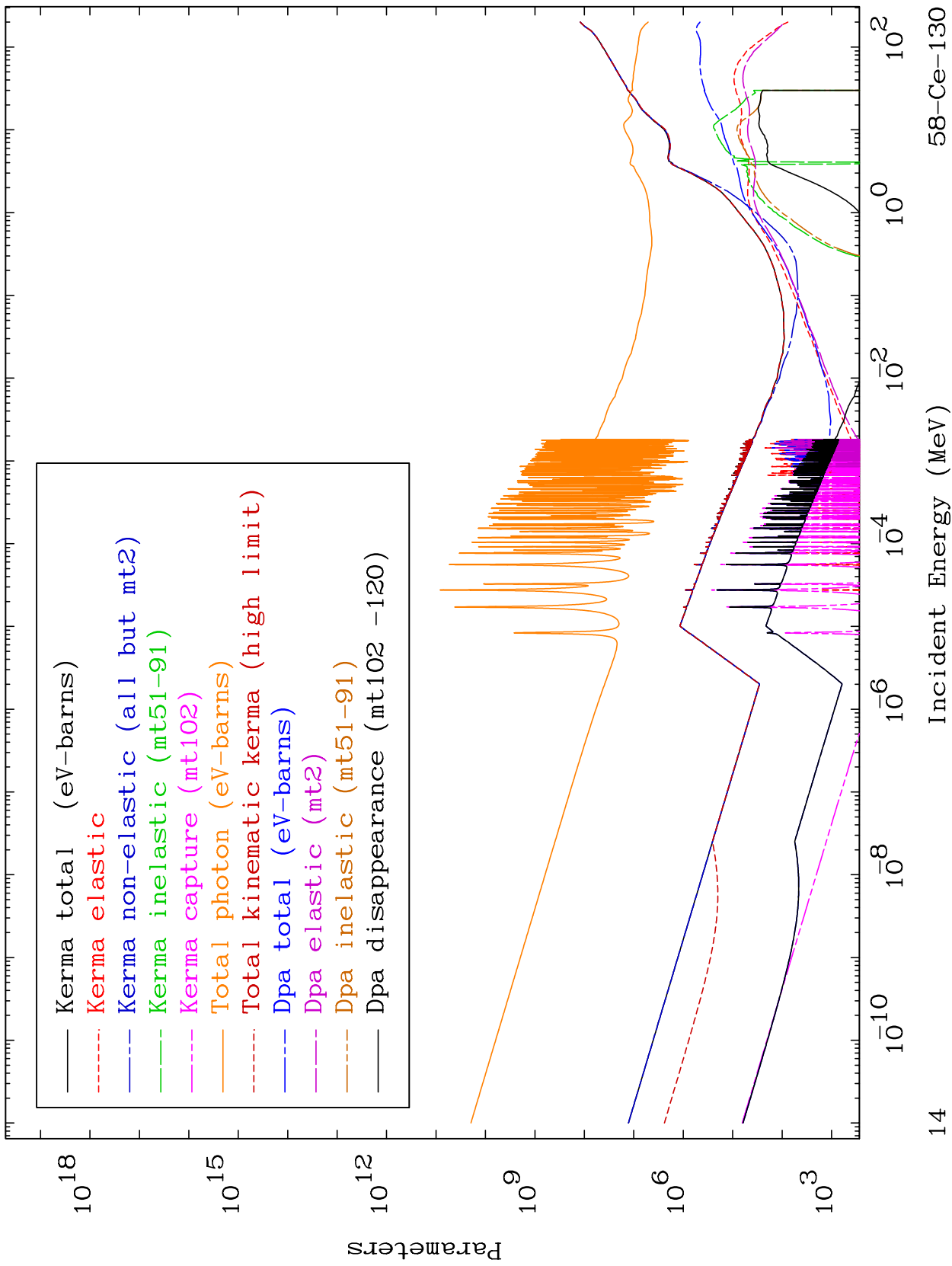
58-Ce-130

MAT 5807

(n,α) Levels
293 Kelvin Cross Sections

58-Ce-130

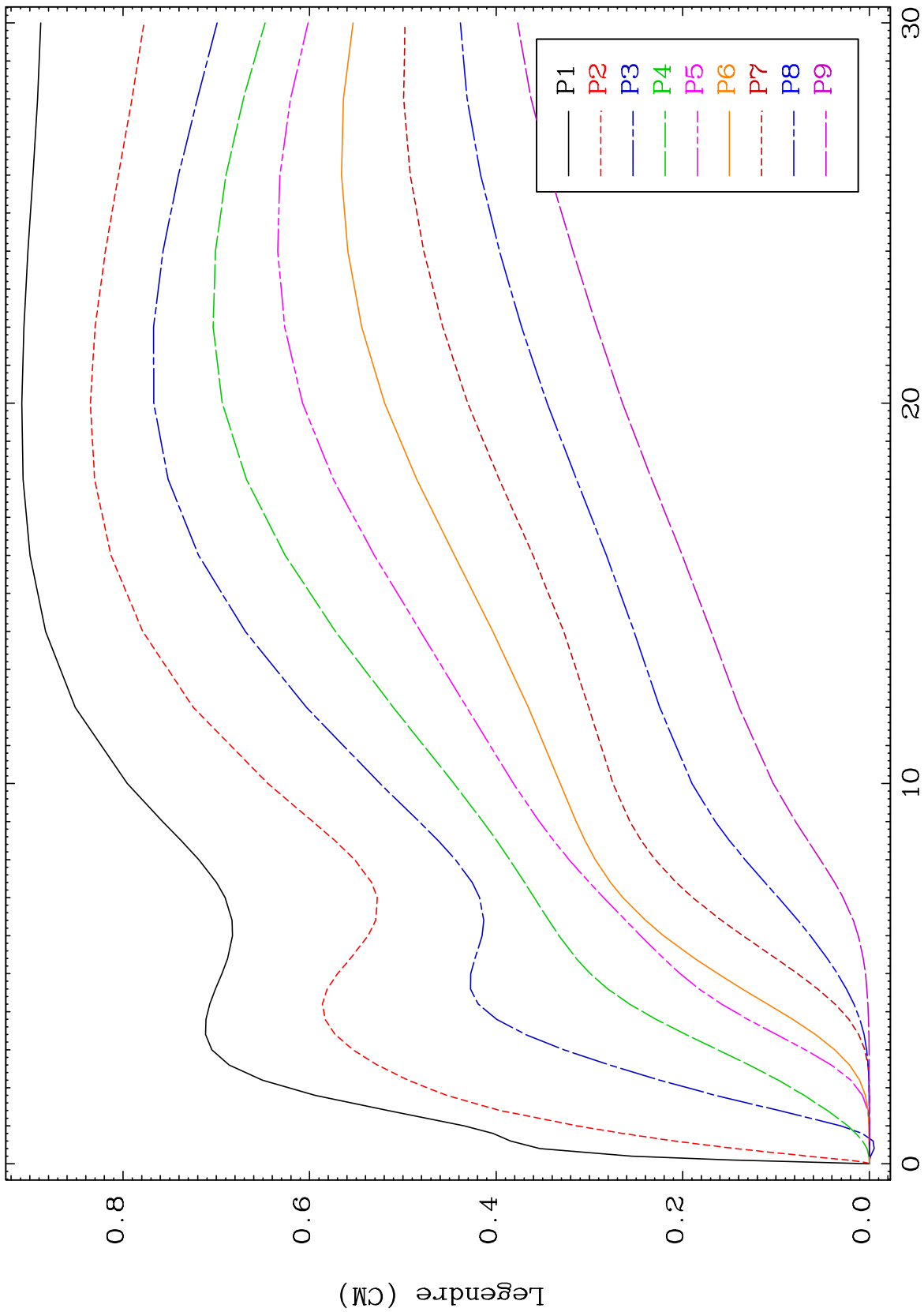




MAT 5807

Elastic Legendre Coefficients

58-Ce-130



15

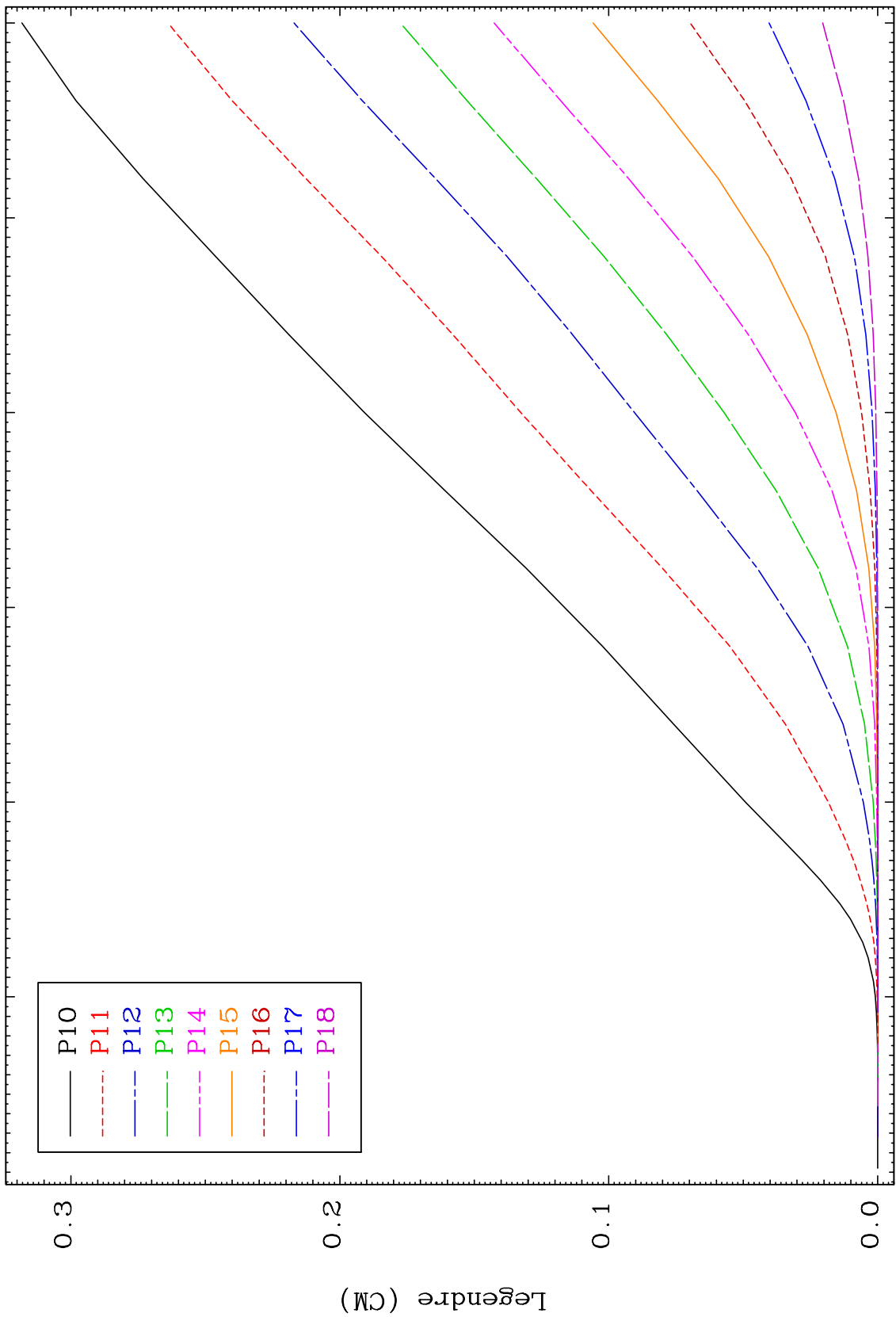
Incident Energy (MeV)

58-Ce-130

MAT 5807

Elastic Legendre Coefficients

58-Ce-130



16

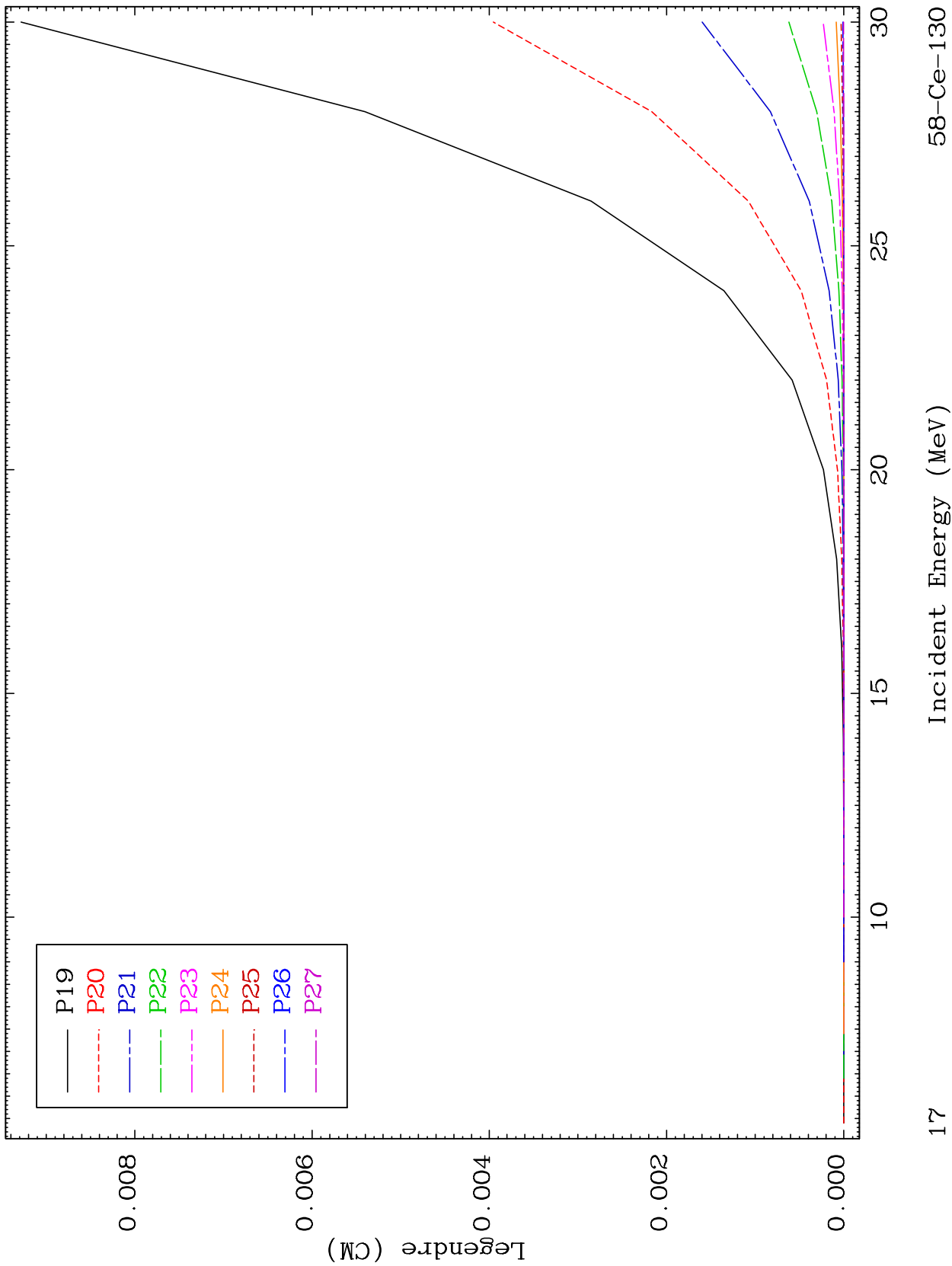
Incident Energy (MeV)

58-Ce-130

MAT 5807

Elastic Legendre Coefficients

58-Ce-130



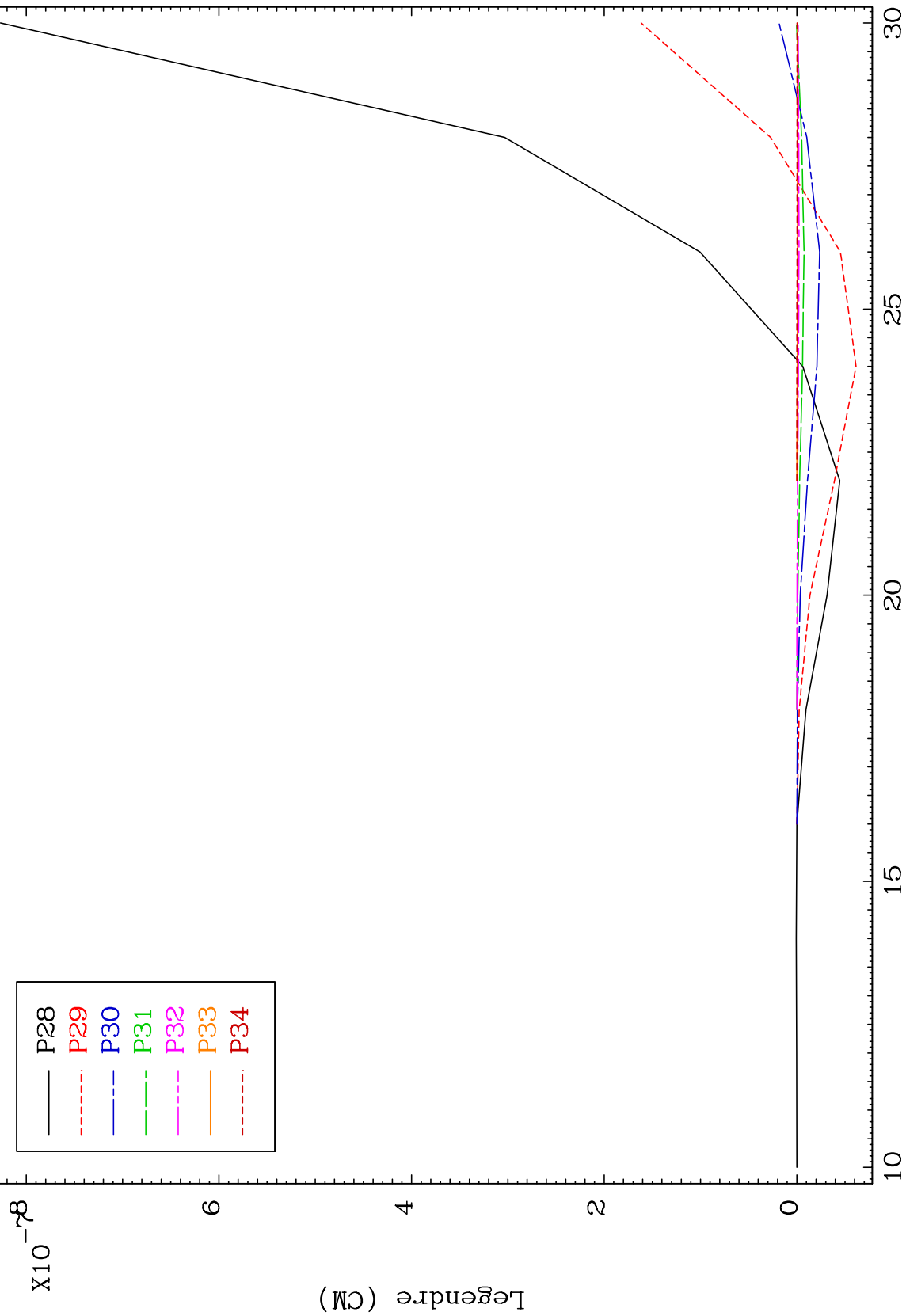
17

58-Ce-130

MAT 5807

Elastic Legendre Coefficients

58-Ce-130



18

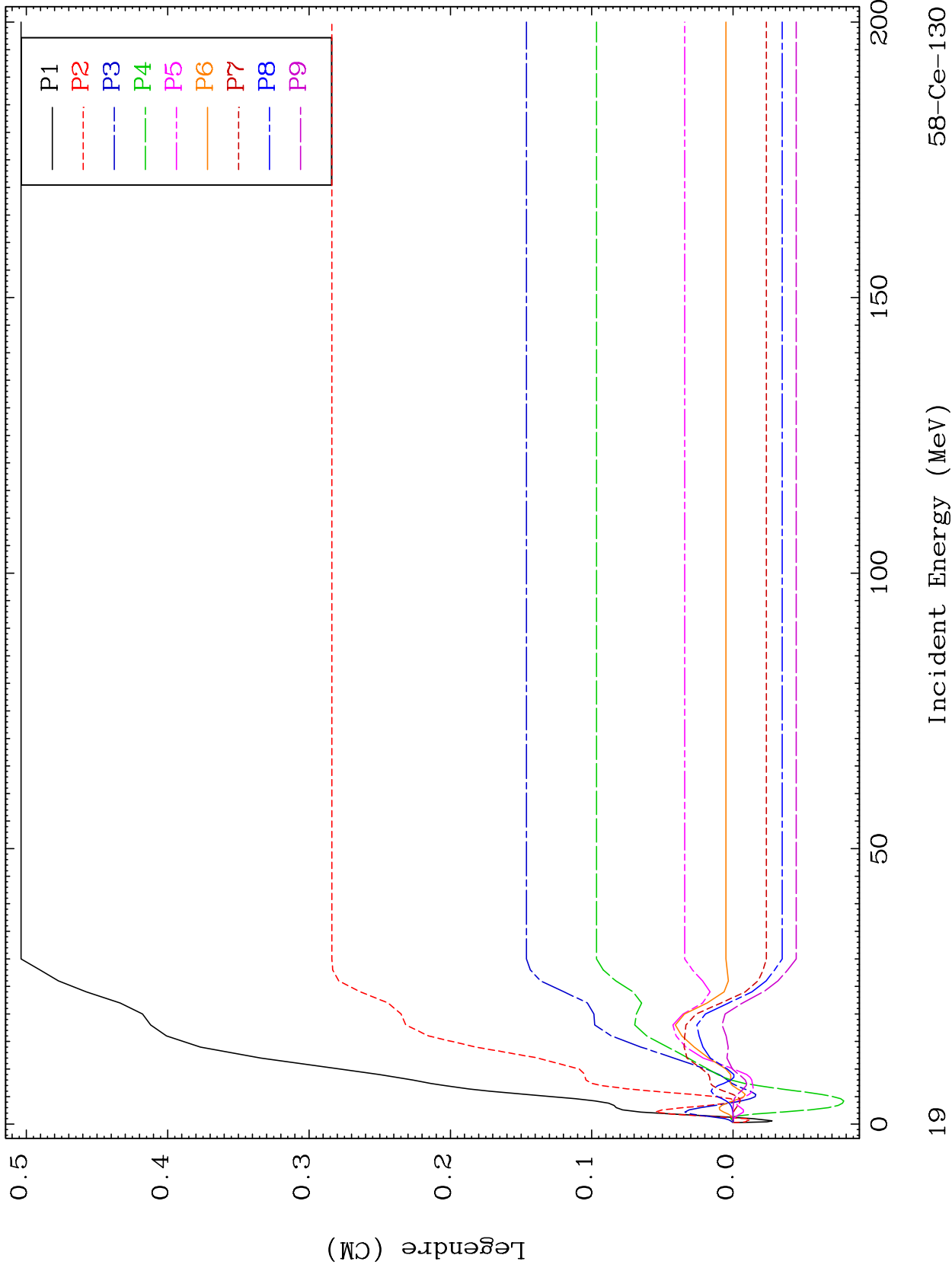
Incident Energy (MeV)

58-Ce-130

MAT 5807

253.8 keV (n,n') Level
Legendre Coefficients

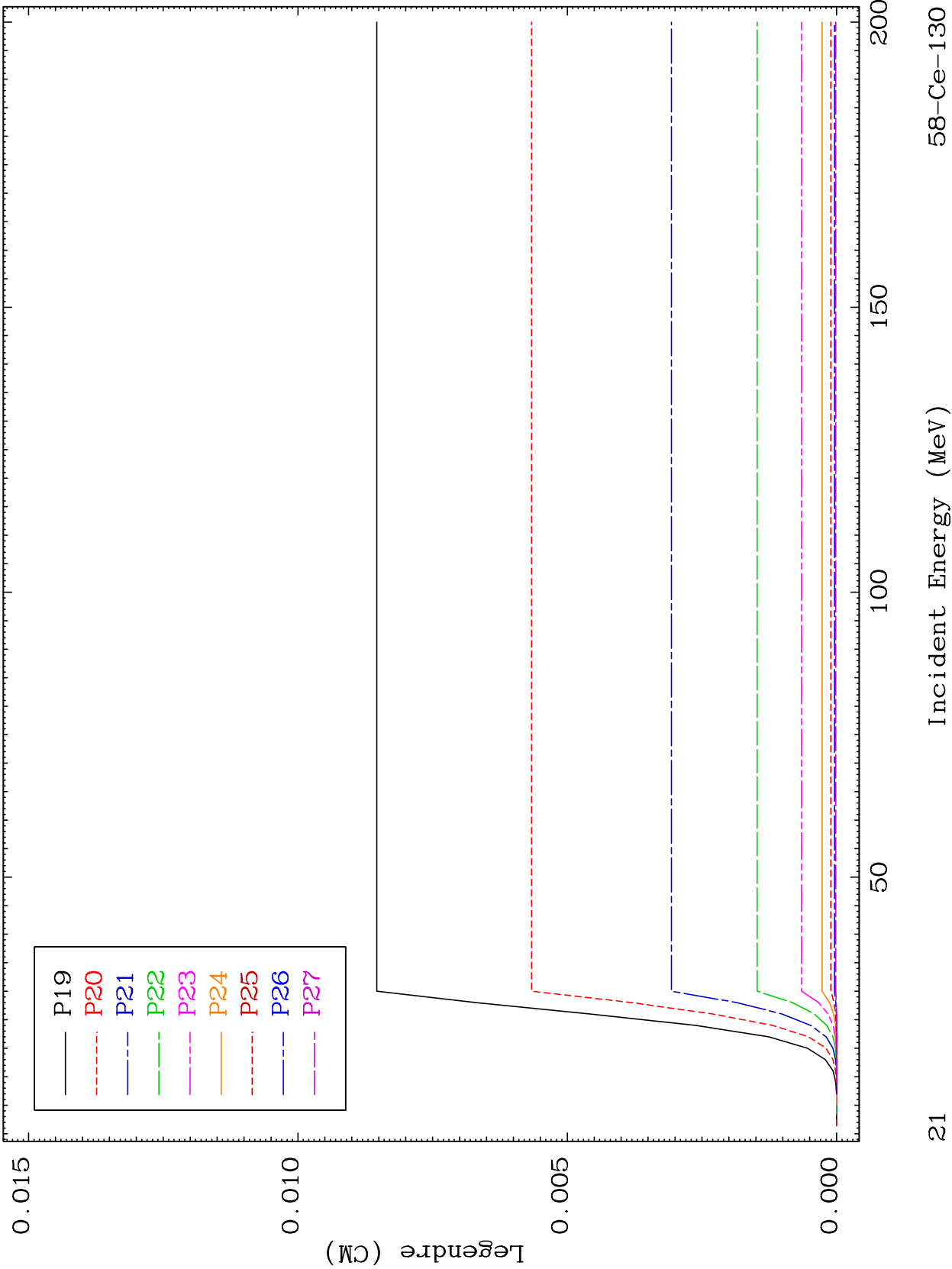
58-Ce-130



19

Incident Energy (MeV)

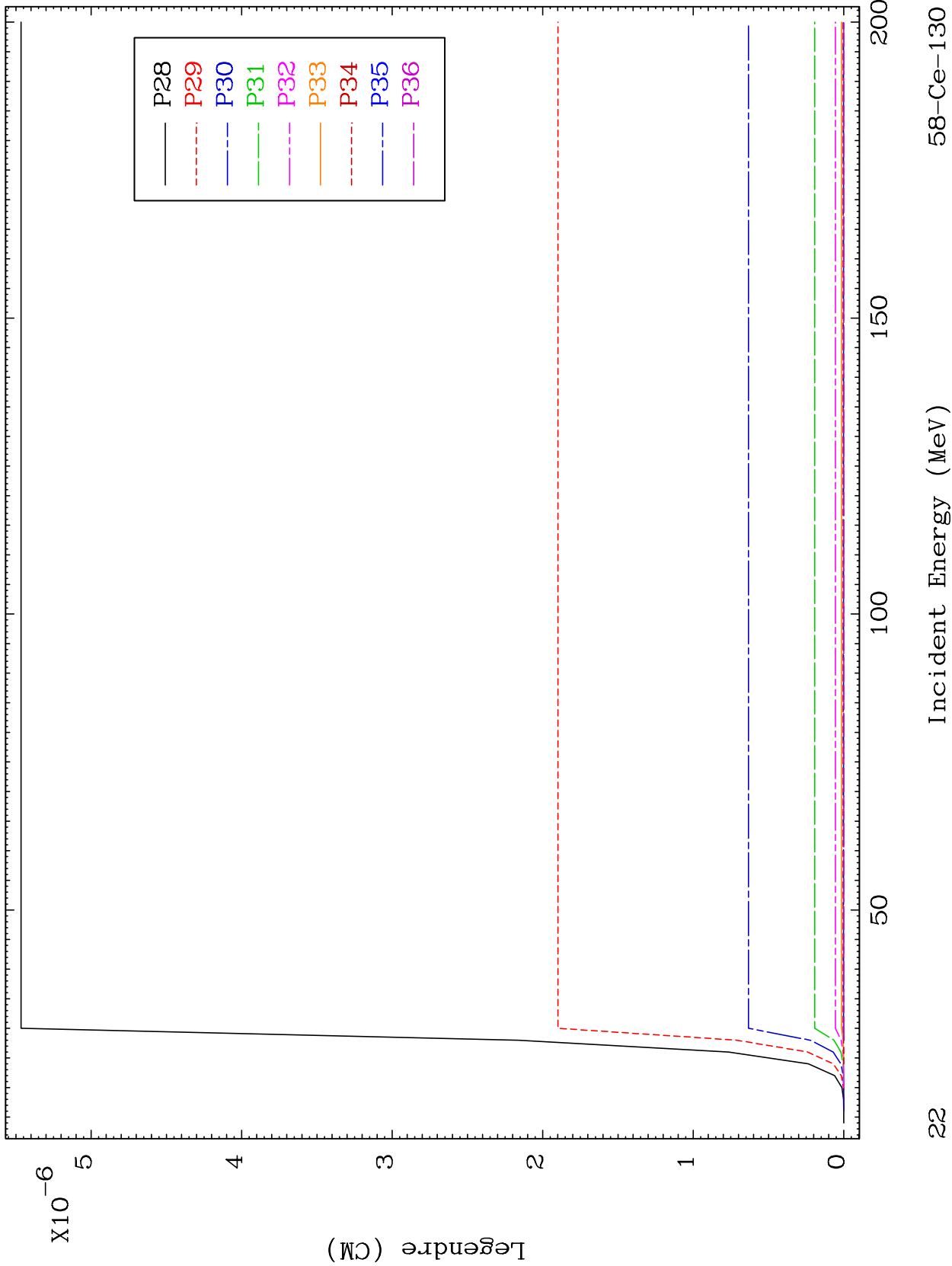
58-Ce-130



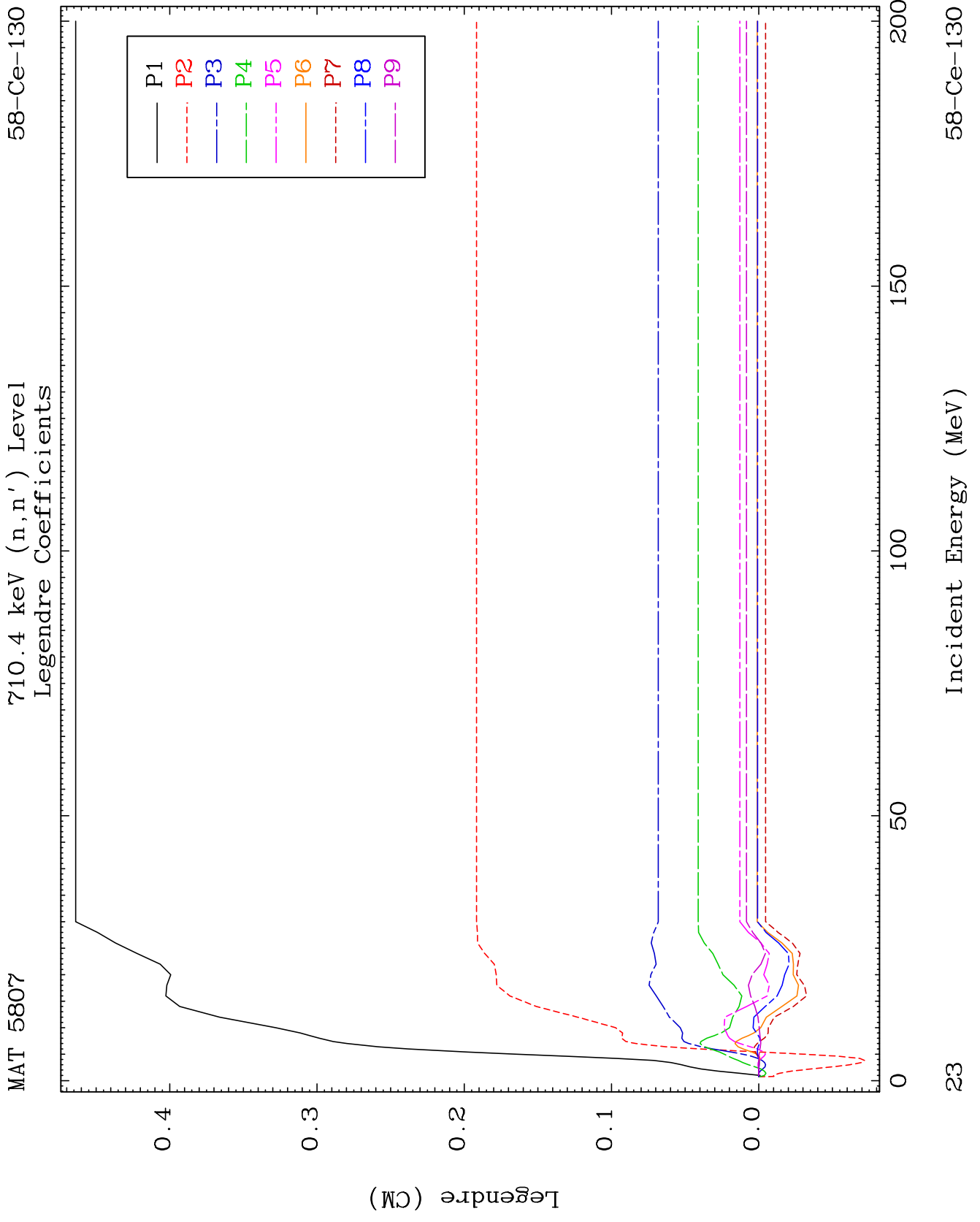
MAT 5807

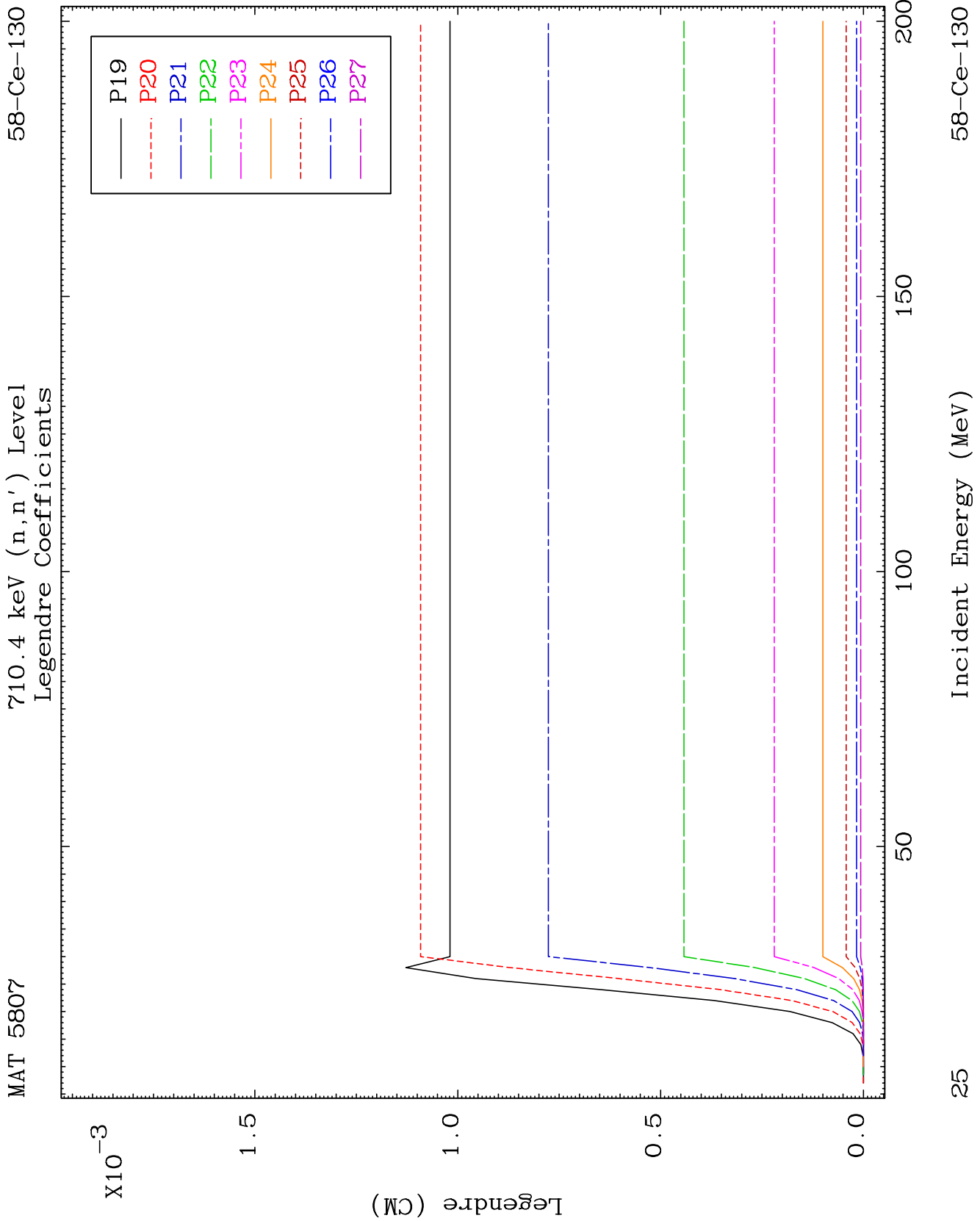
253.8 keV (n, n') Level
Legendre Coefficients

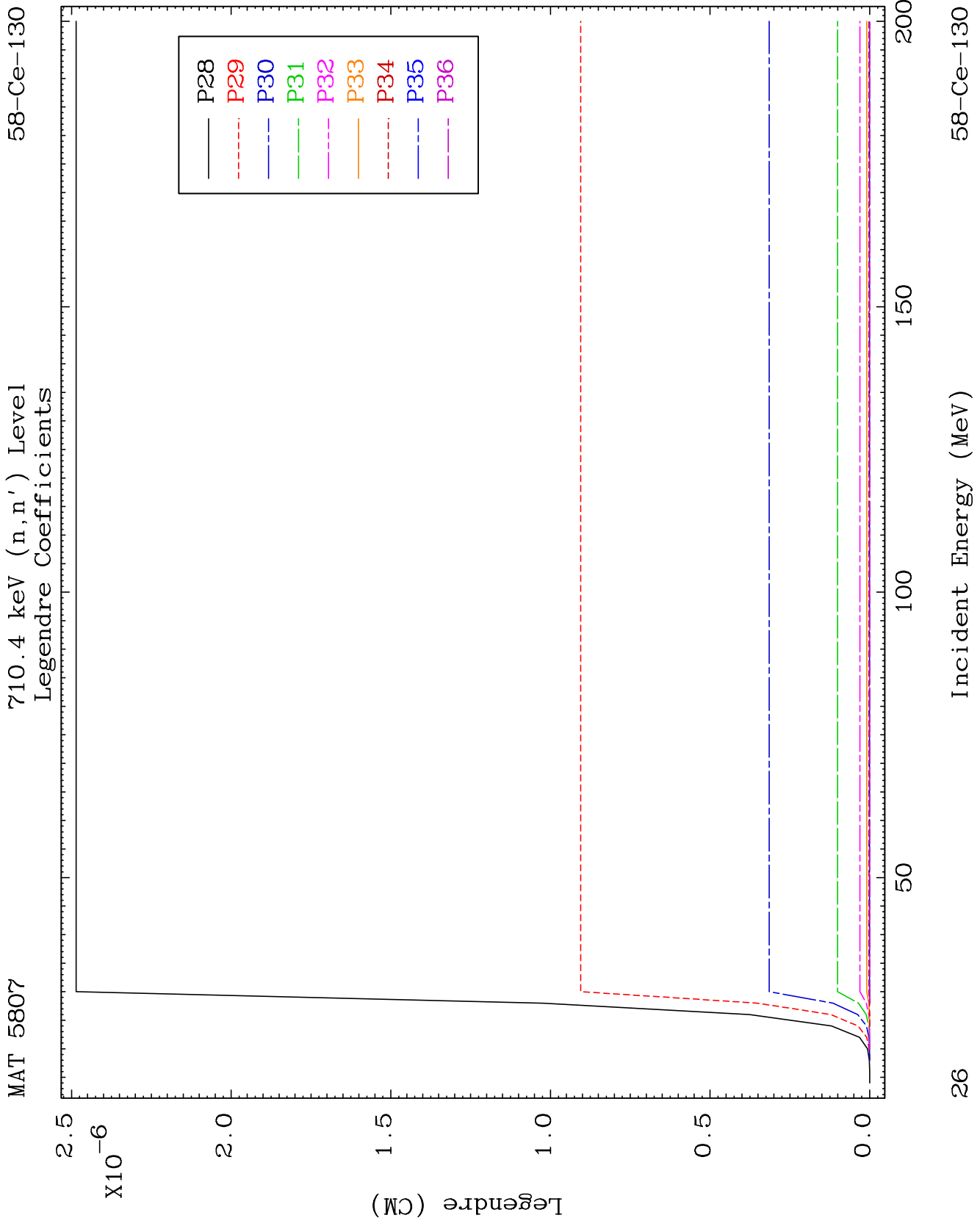
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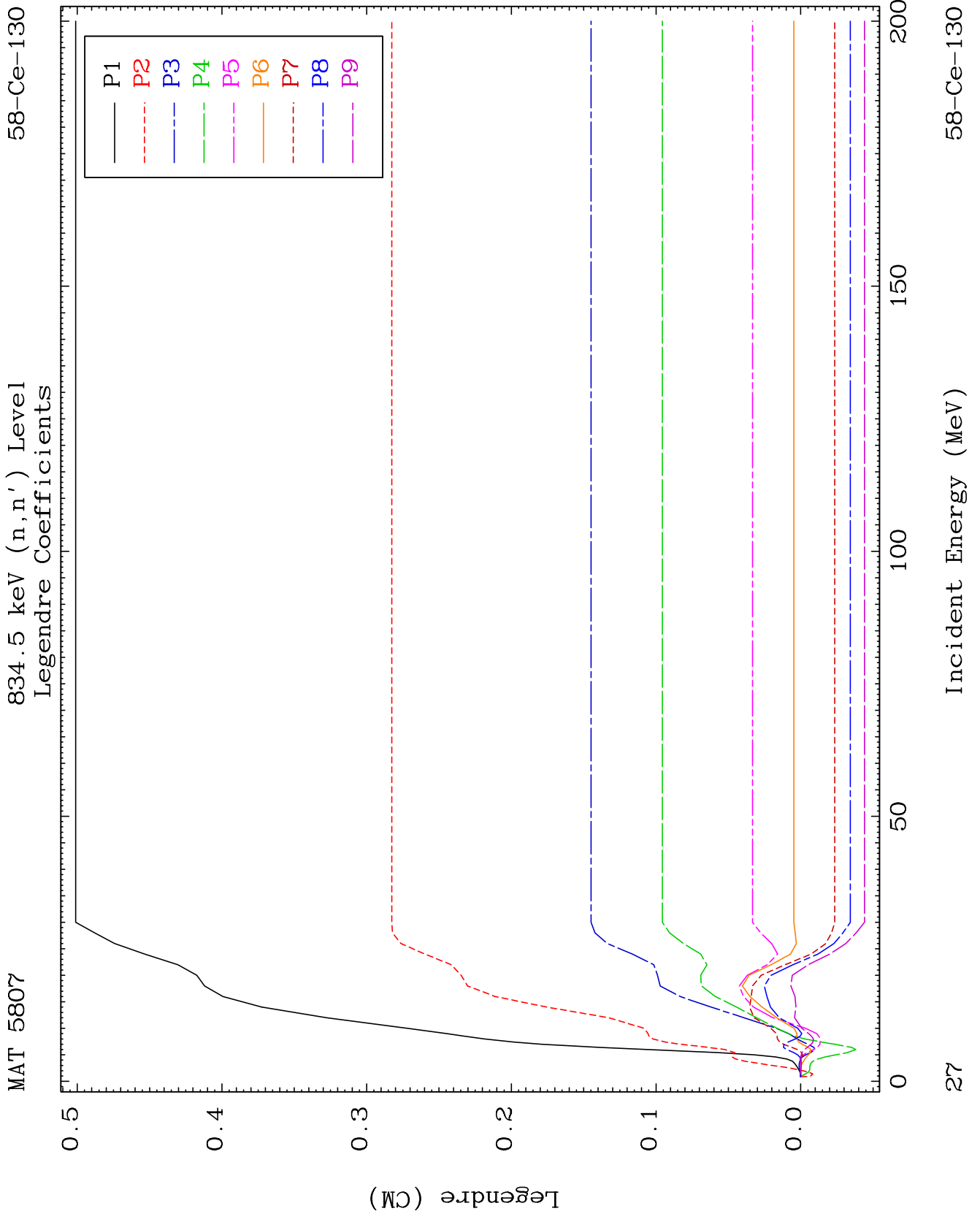


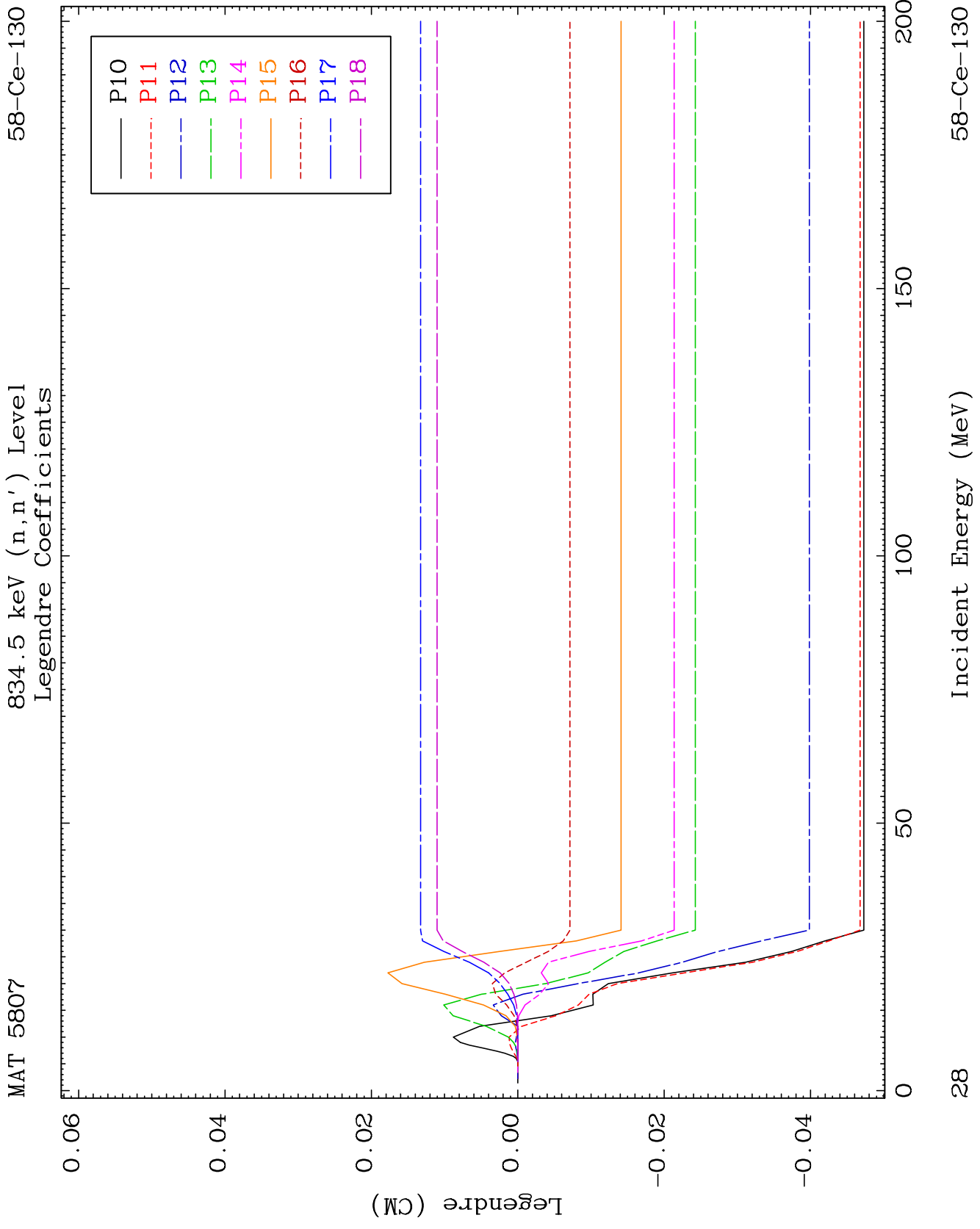
22







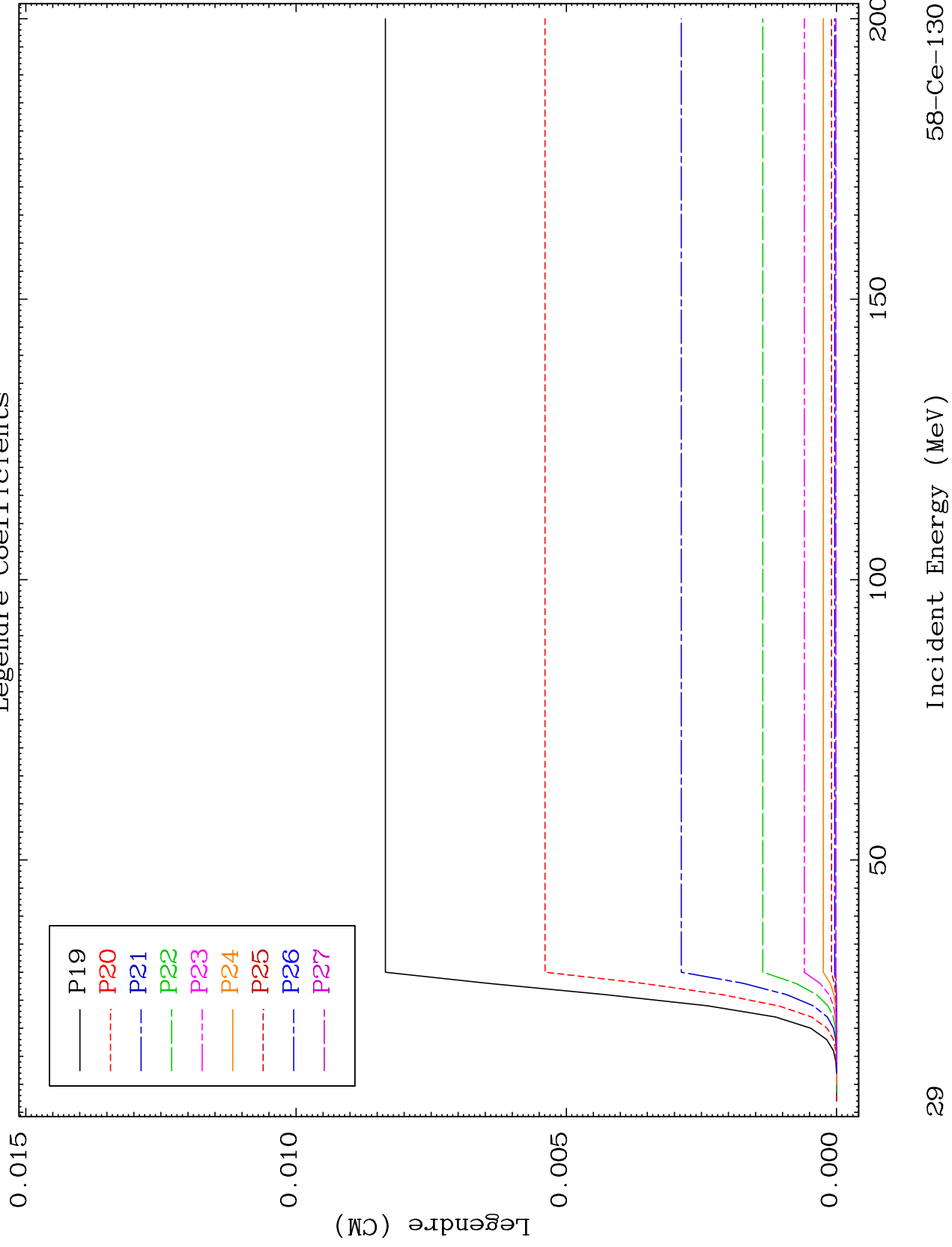




MAT 5807

834.5 keV (n,n') Level
Legendre Coefficients

58-Ce-130



29

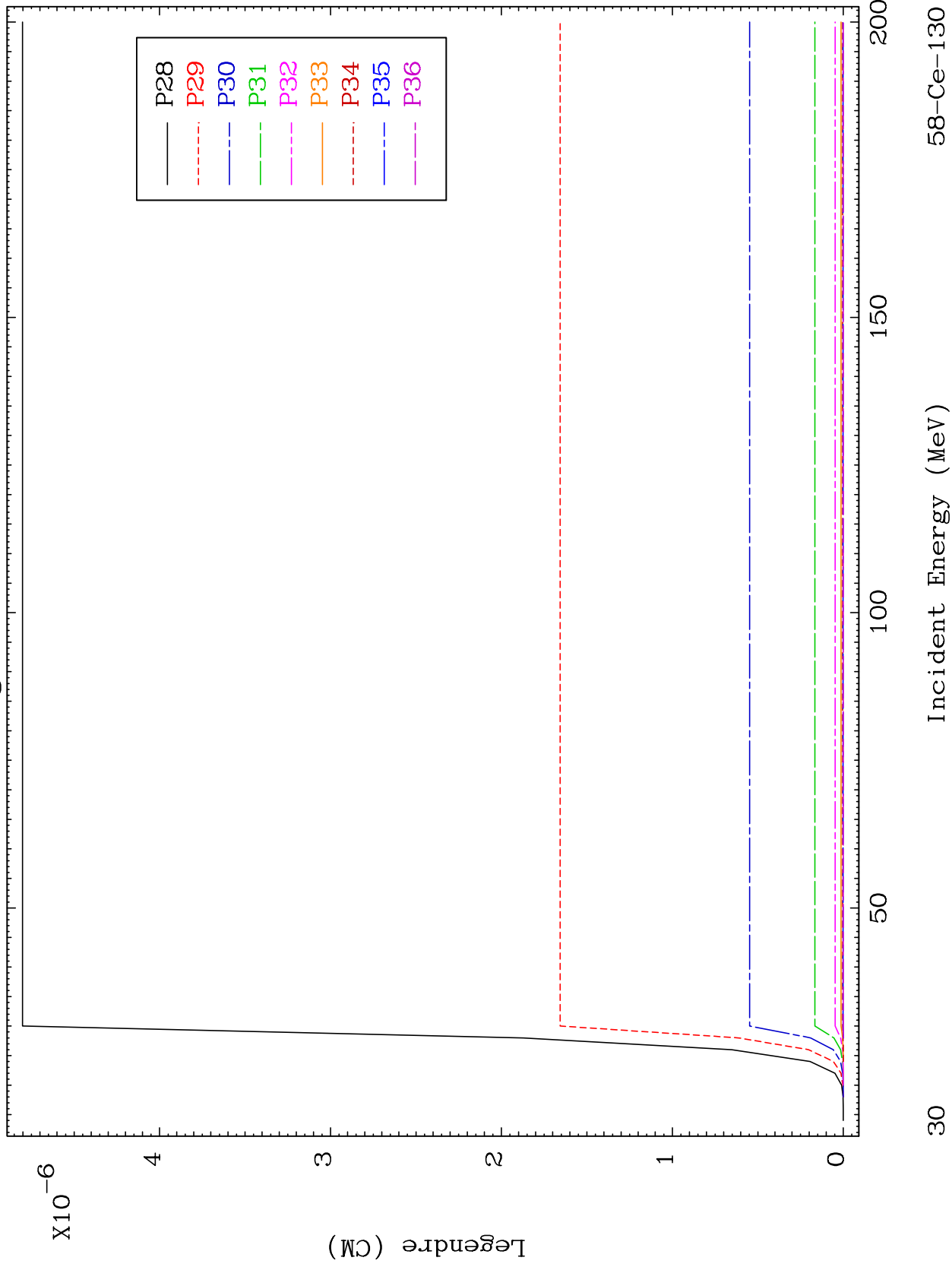
Incident Energy (MeV)

58-Ce-130

MAT 5807

834.5 keV (n,n') Level
Legendre Coefficients

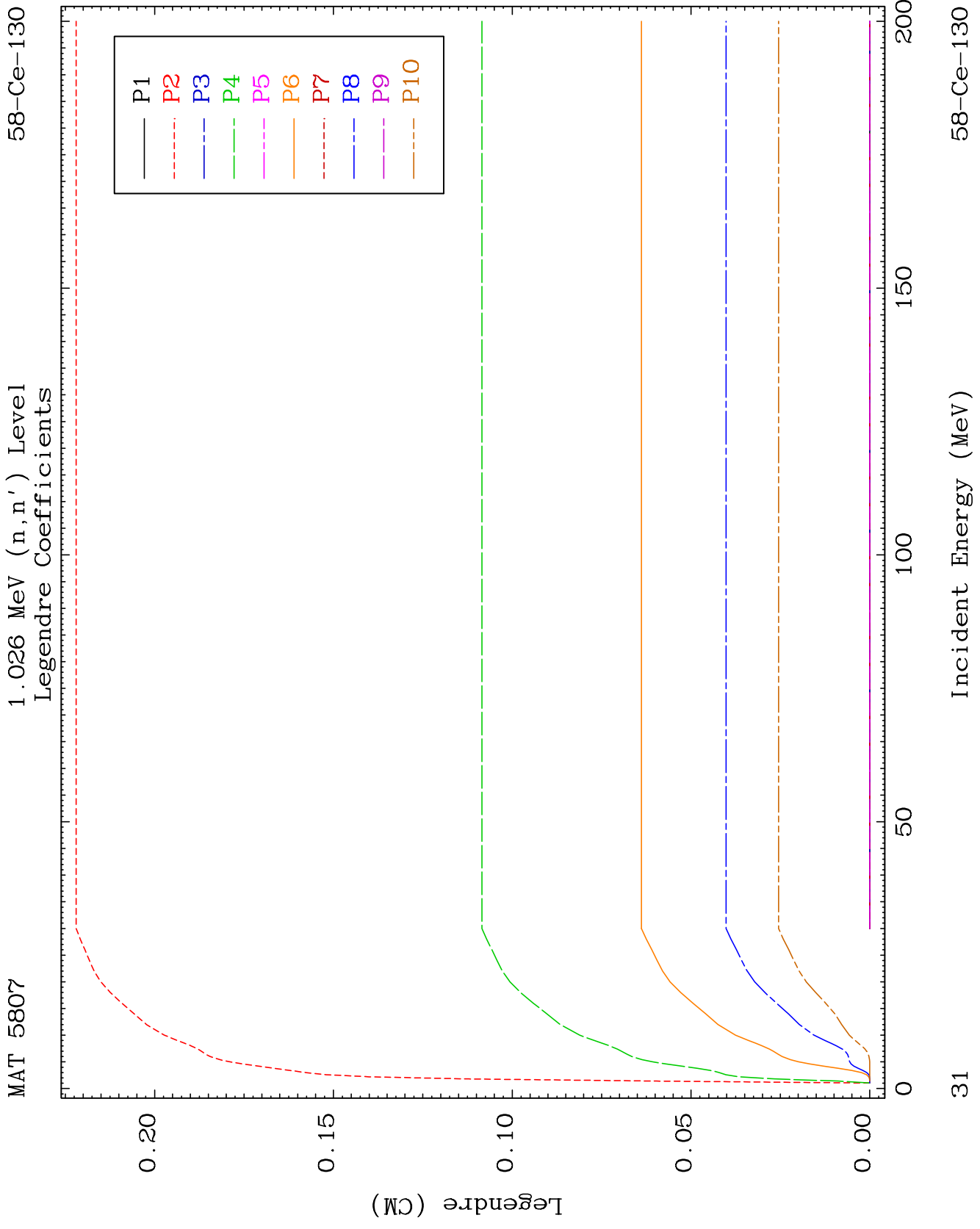
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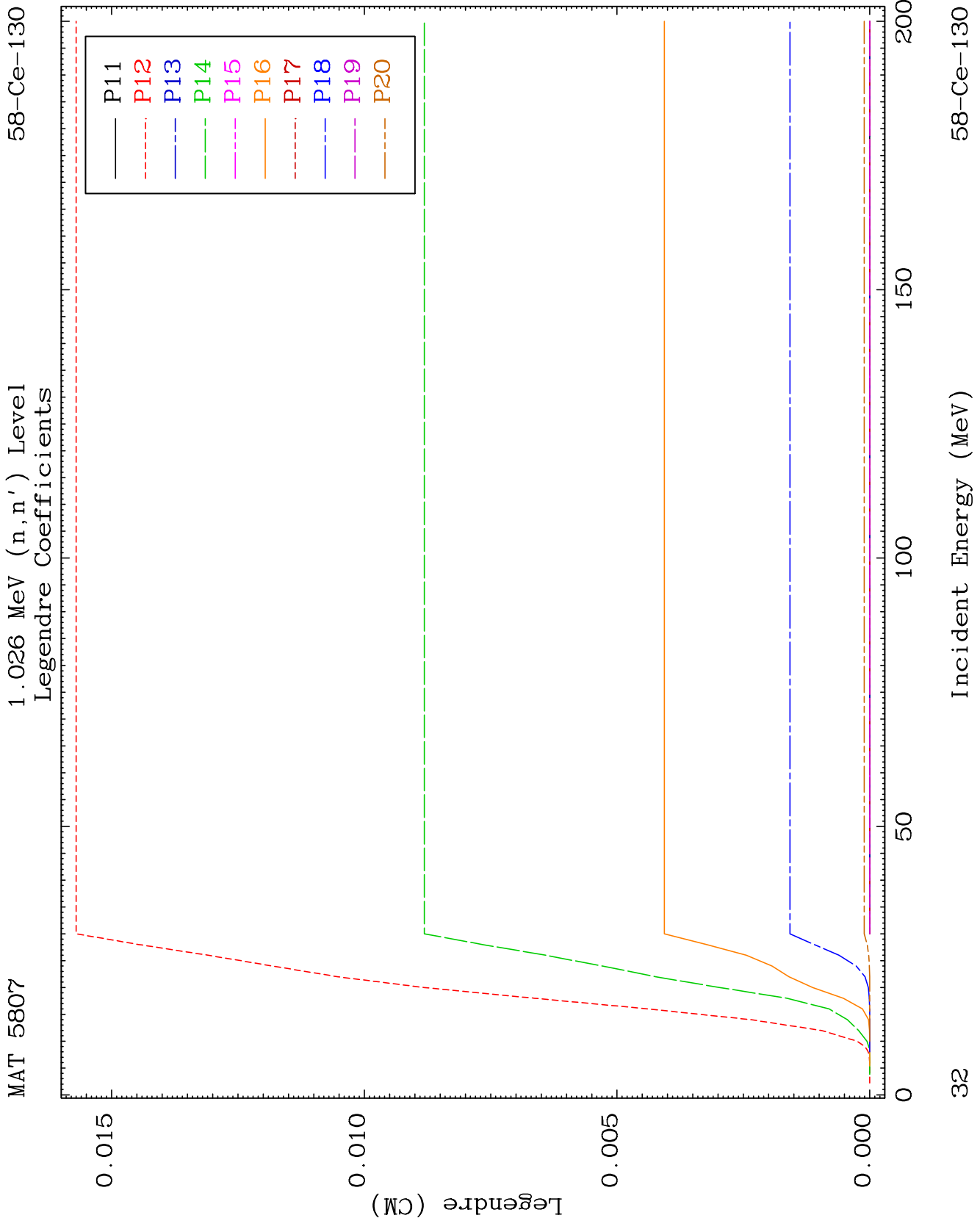


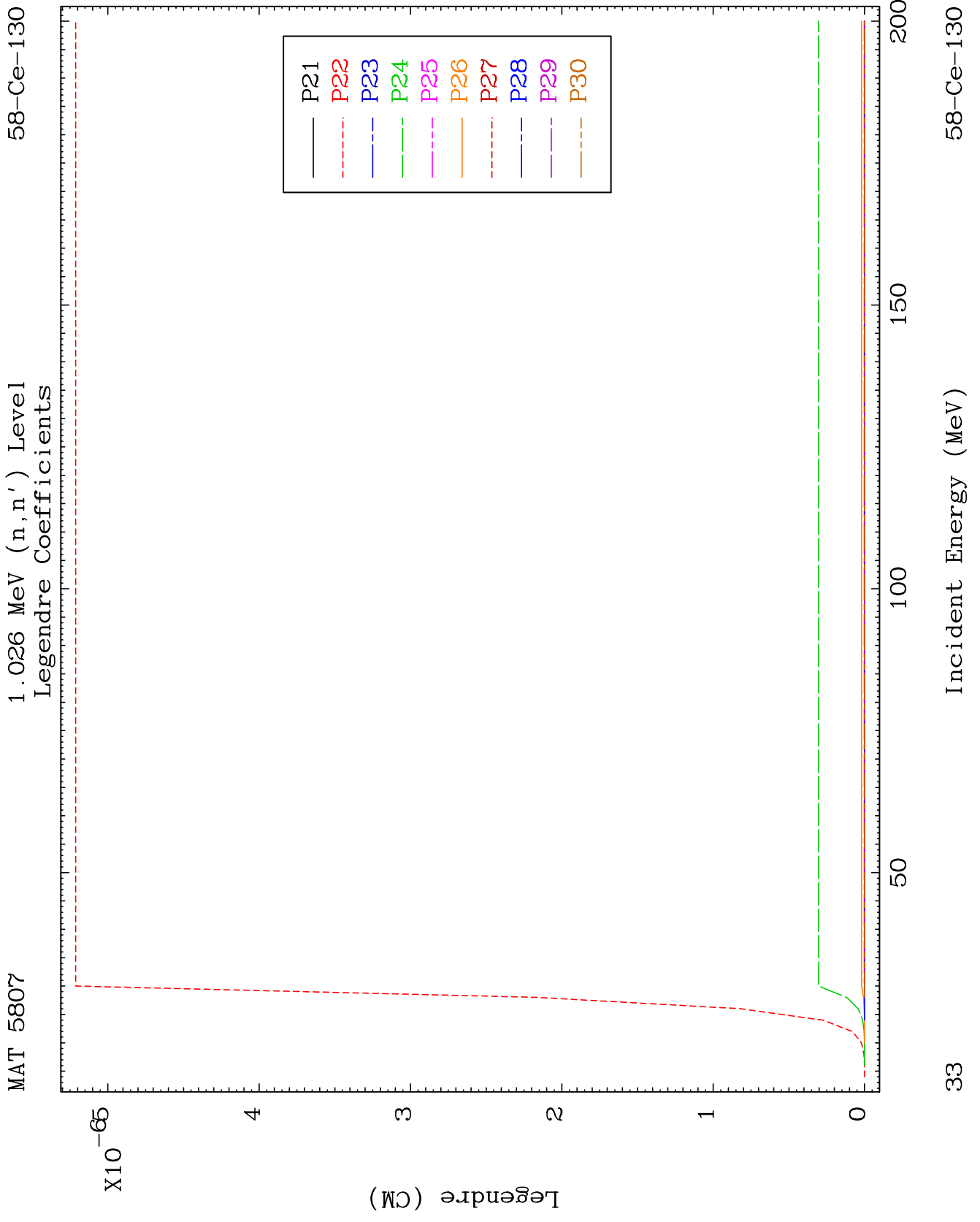
58-Ce-130

Incident Energy (MeV)

30



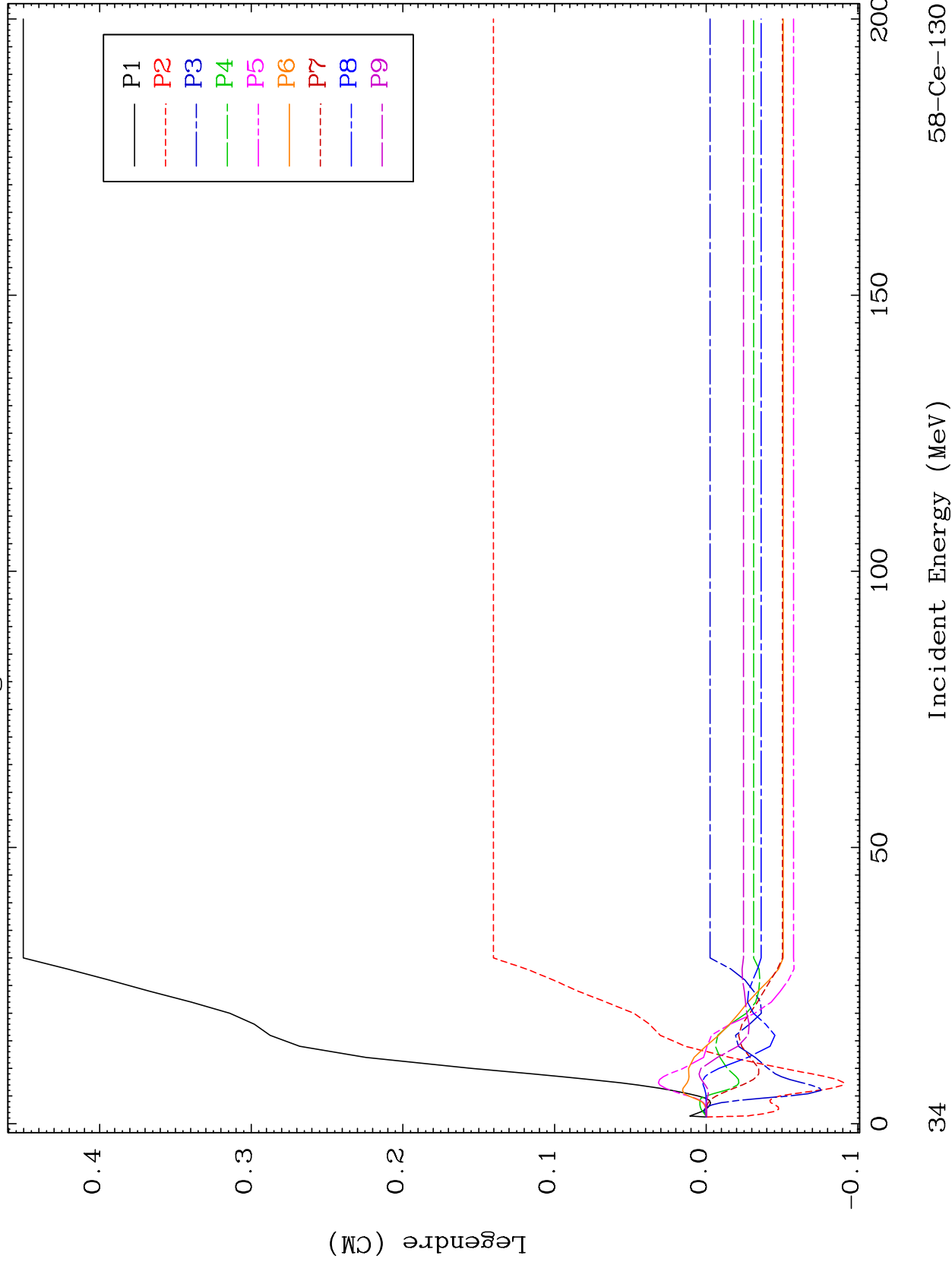




MAT 5807

1.177 MeV (n,n') Level
Legendre Coefficients

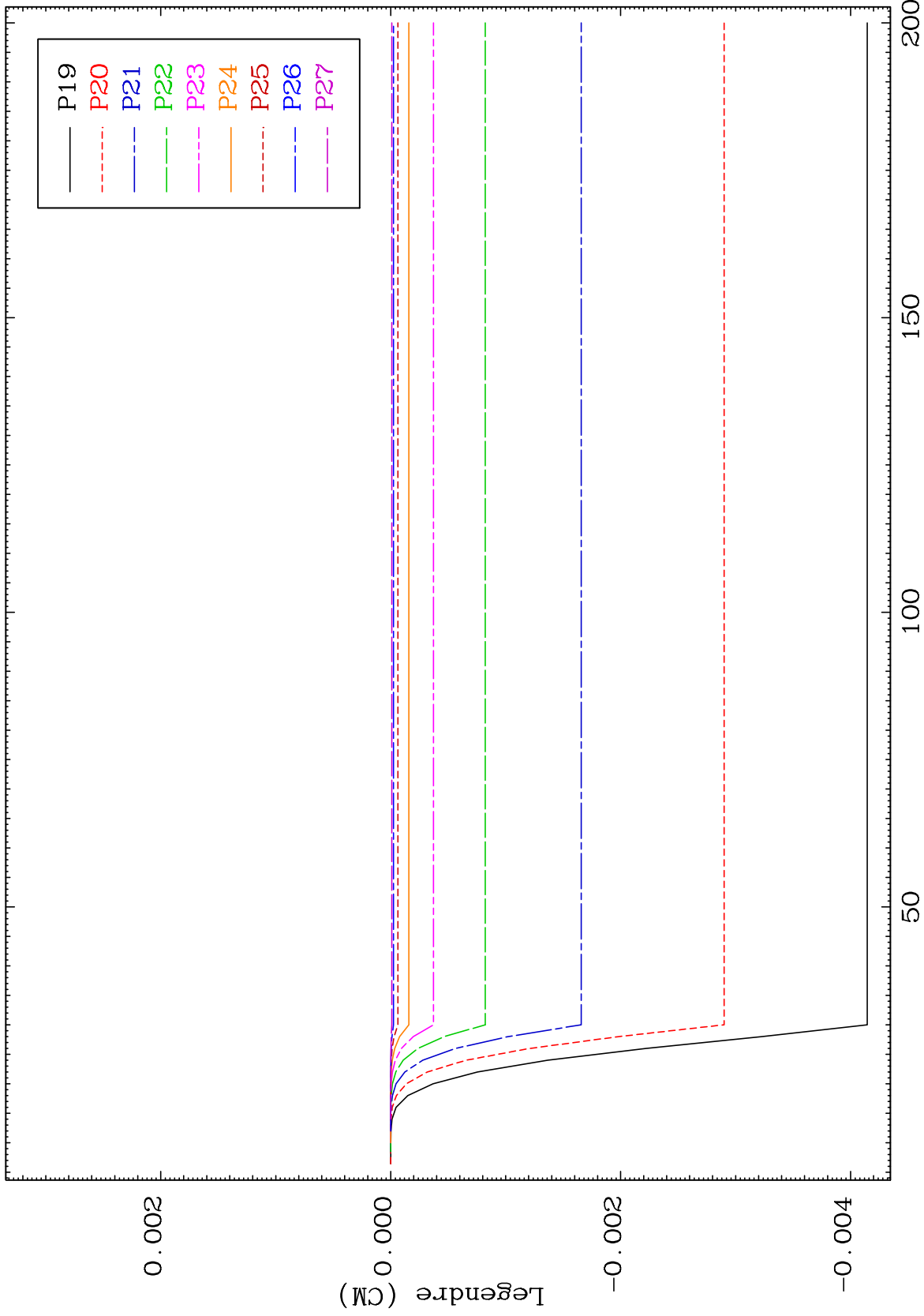
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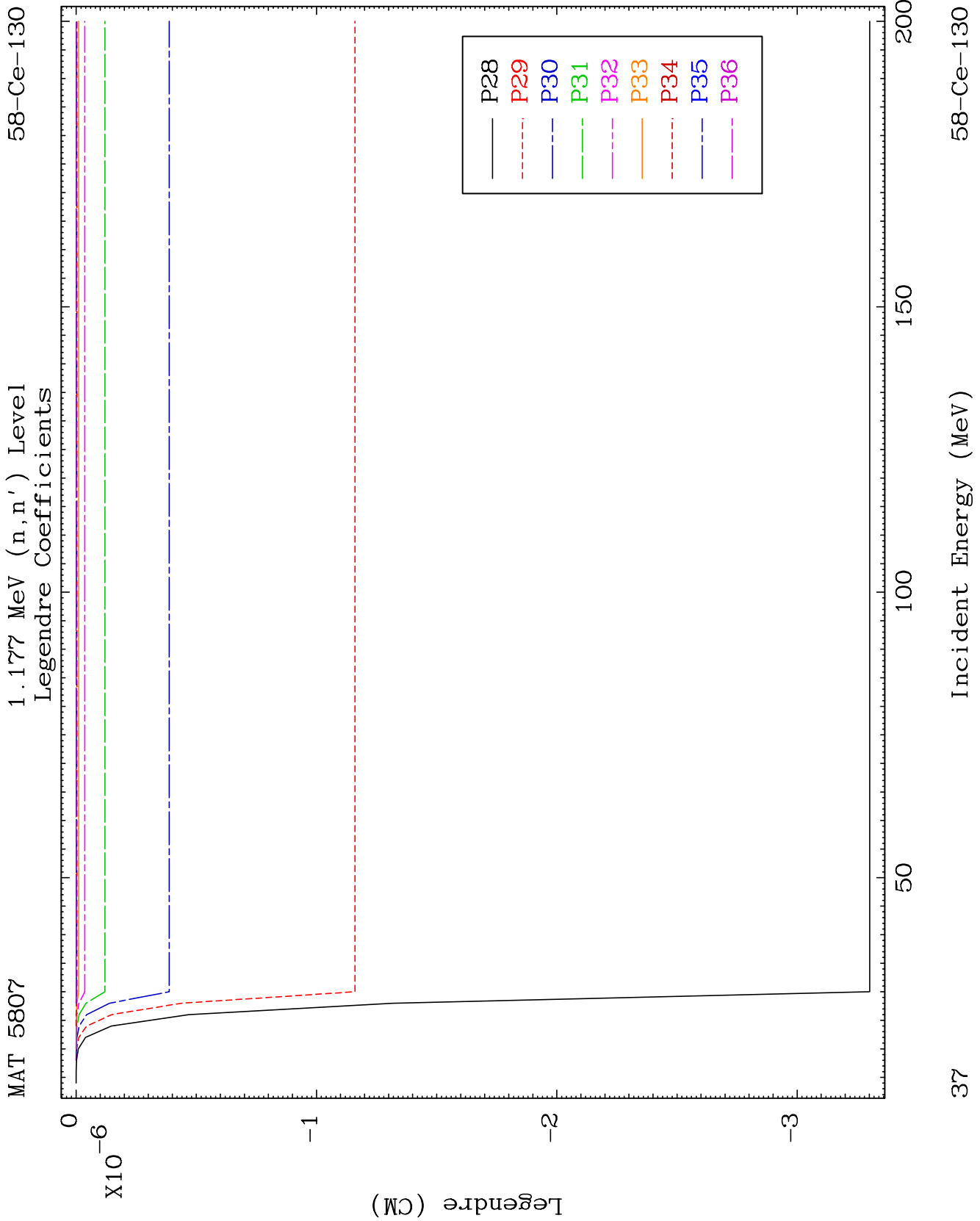


58-Ce-130

Incident Energy (MeV)

34

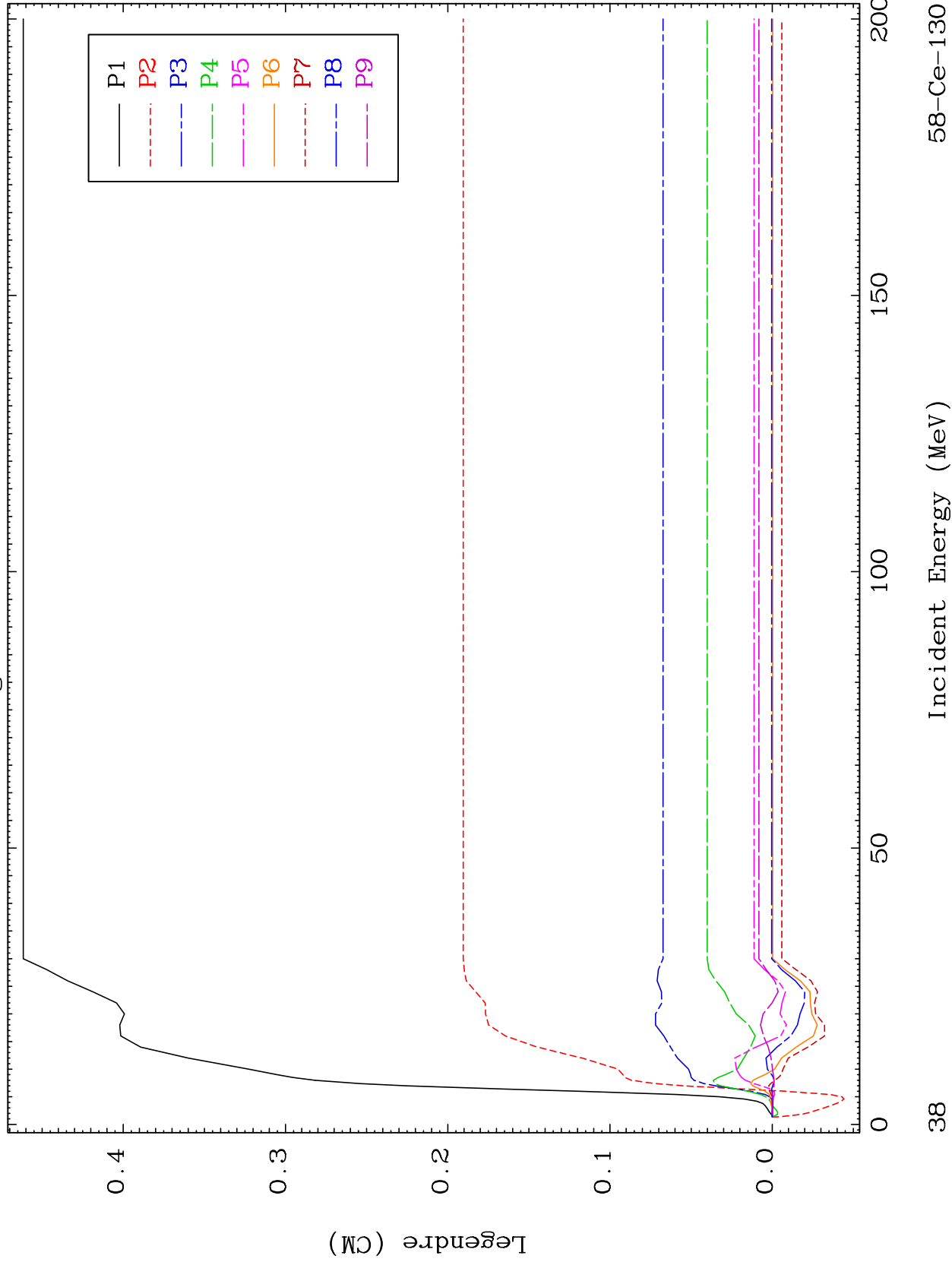




MAT 5807

1.323 MeV (n,n') Level
Legendre Coefficients

58-Ce-130



58-Ce-130

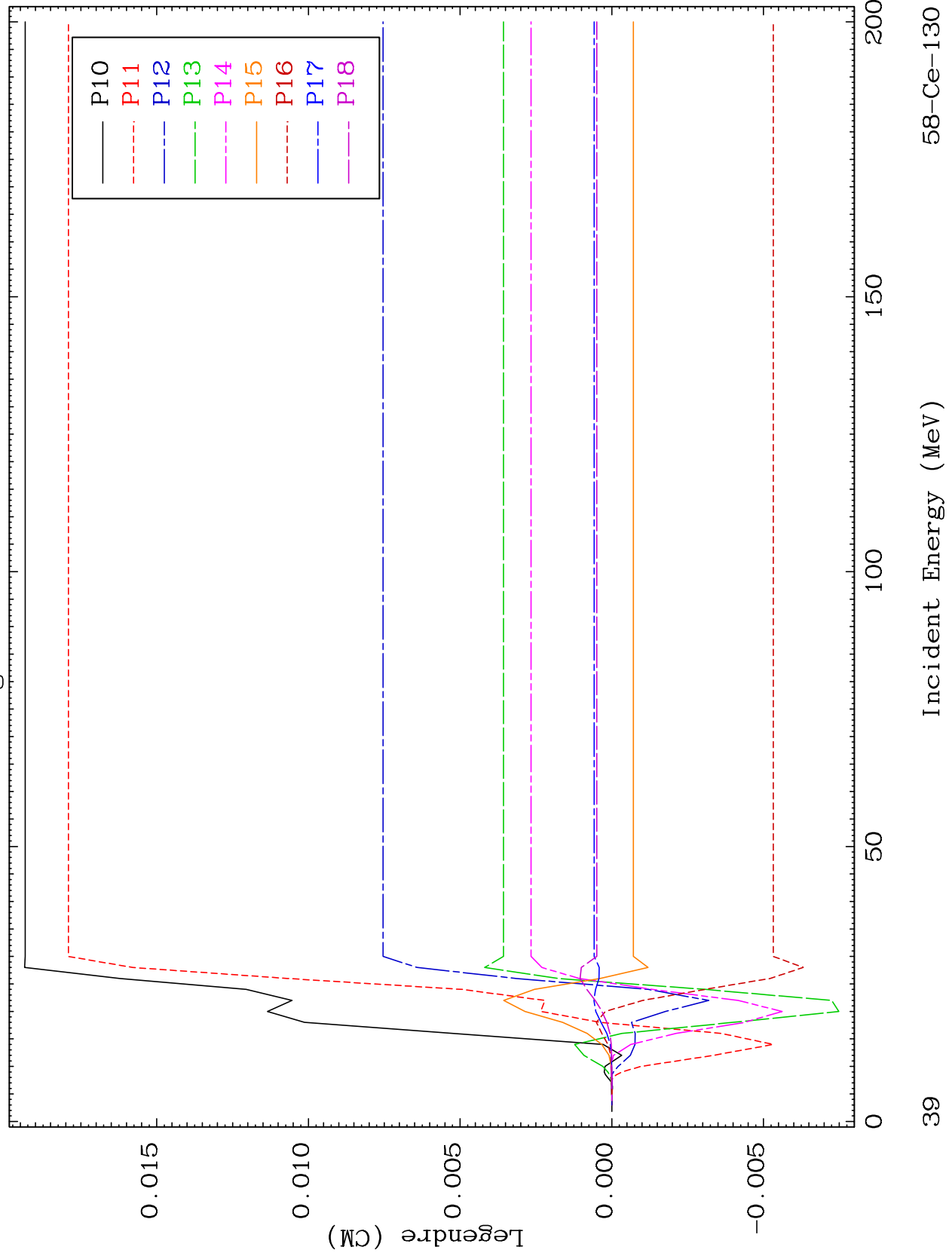
Incident Energy (MeV)

38

MAT 5807

1.323 MeV (n,n') Level Legendre Coefficients

58-Ce-130



58-Ce-130

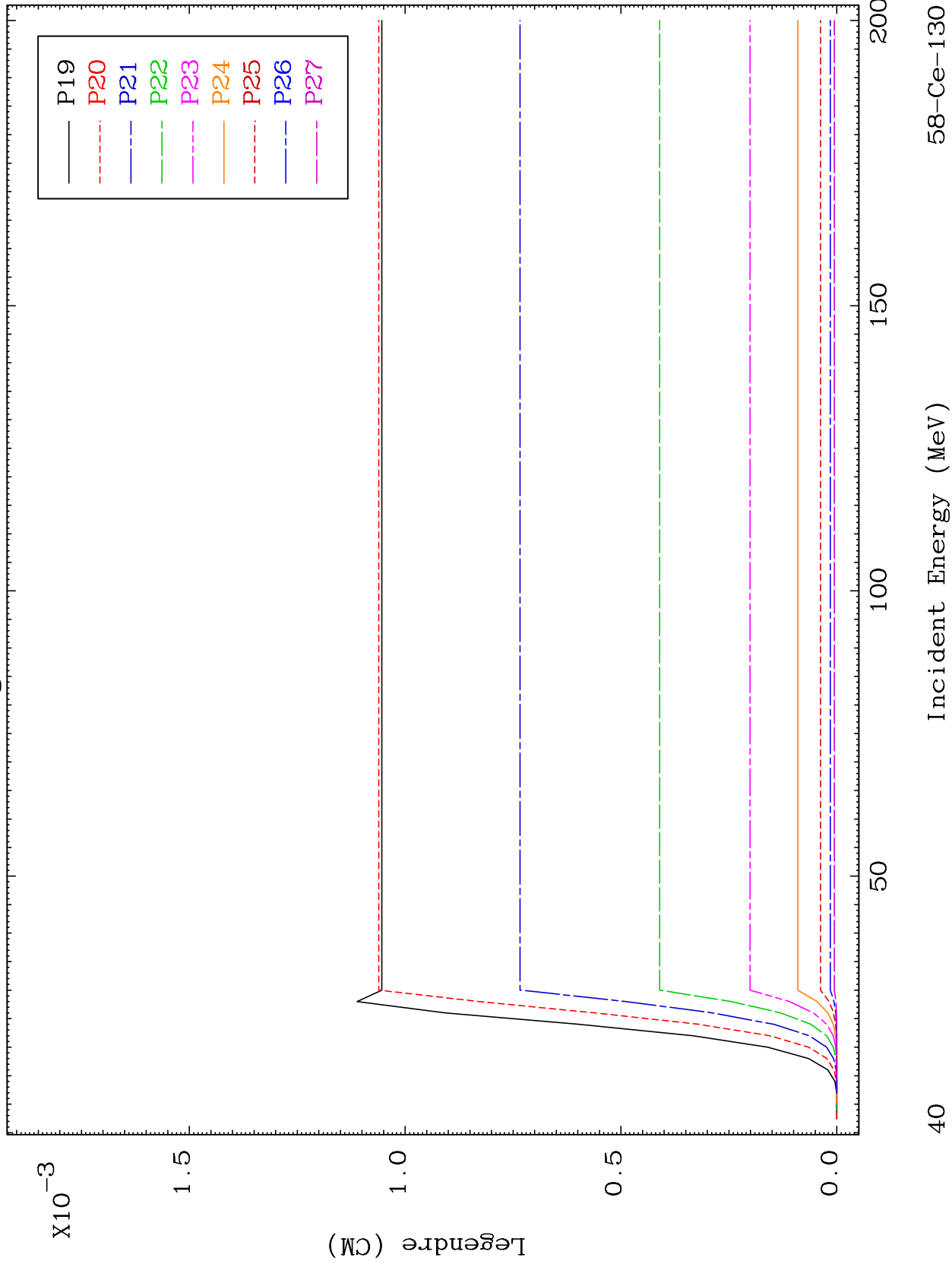
Incident Energy (MeV)

39

MAT 5807

1.323 MeV (n,n') Level
Legendre Coefficients

58-Ce-130

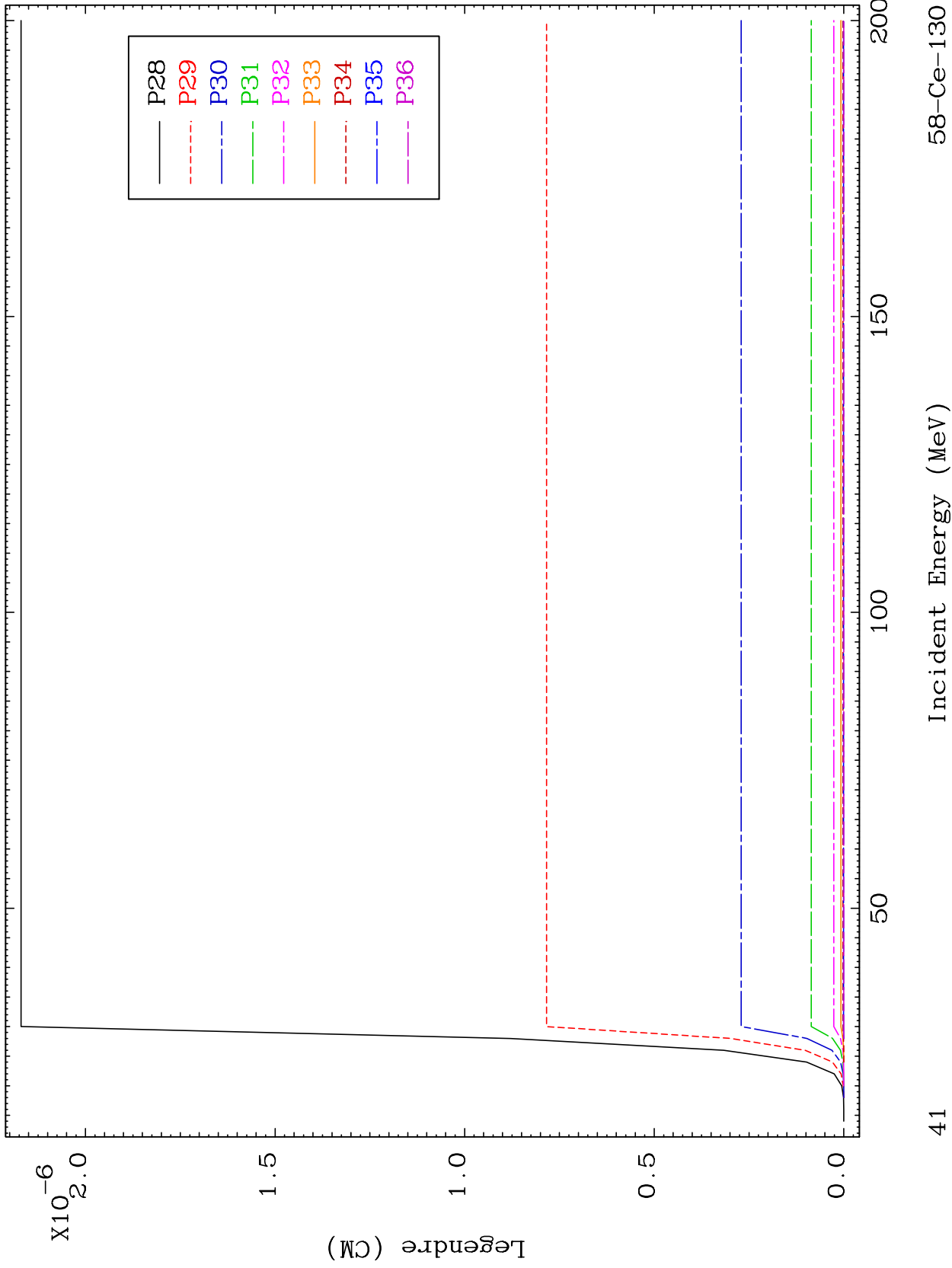


58-Ce-130

MAT 5807

1.323 MeV (n,n') Level
Legendre Coefficients

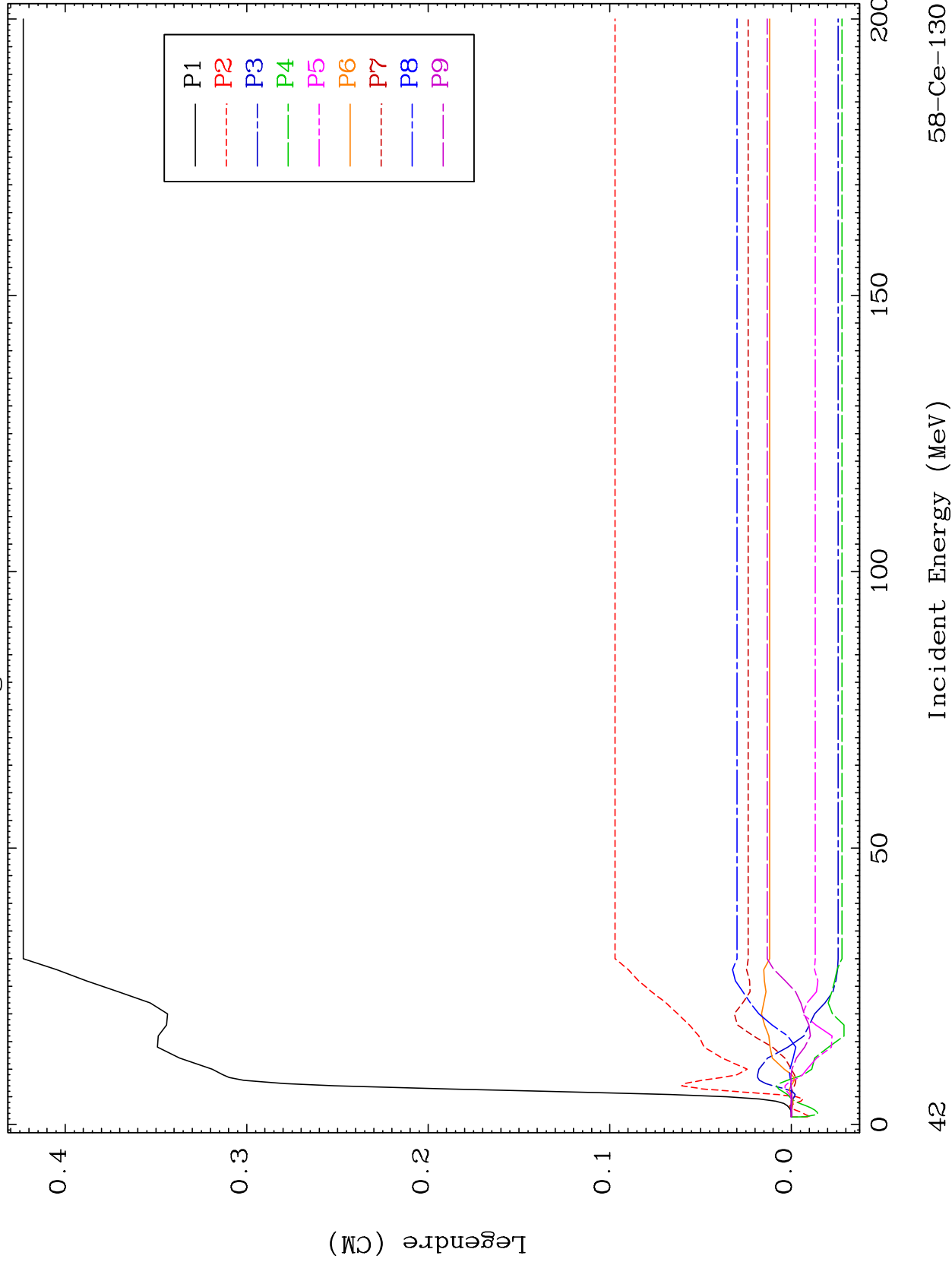
58-Ce-130



MAT 5807

1.324 MeV (n,n') Level
Legendre Coefficients

58-Ce-130



58-Ce-130

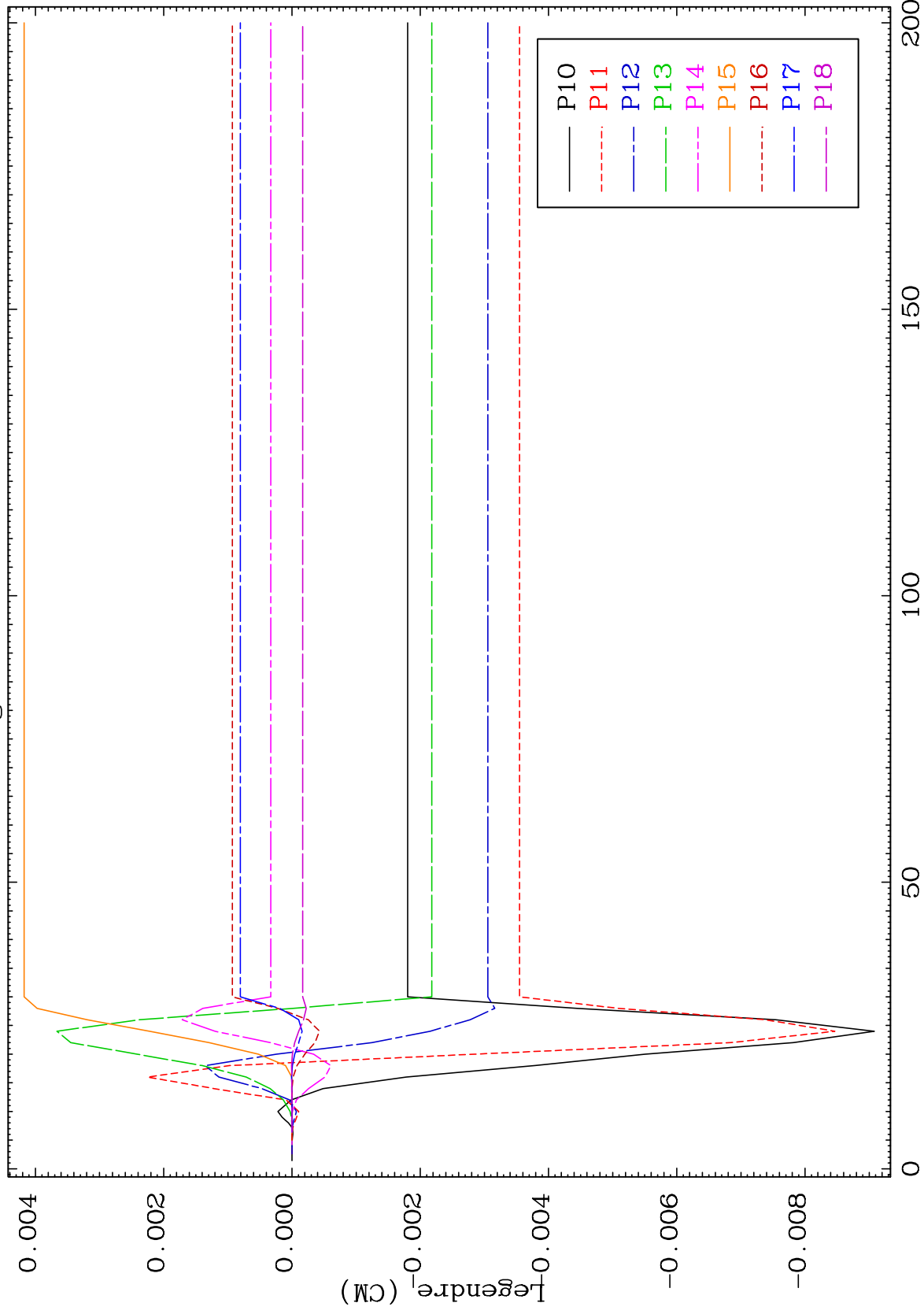
Incident Energy (MeV)

42

MAT 5807

1.324 MeV (n,n') Level
Legendre Coefficients

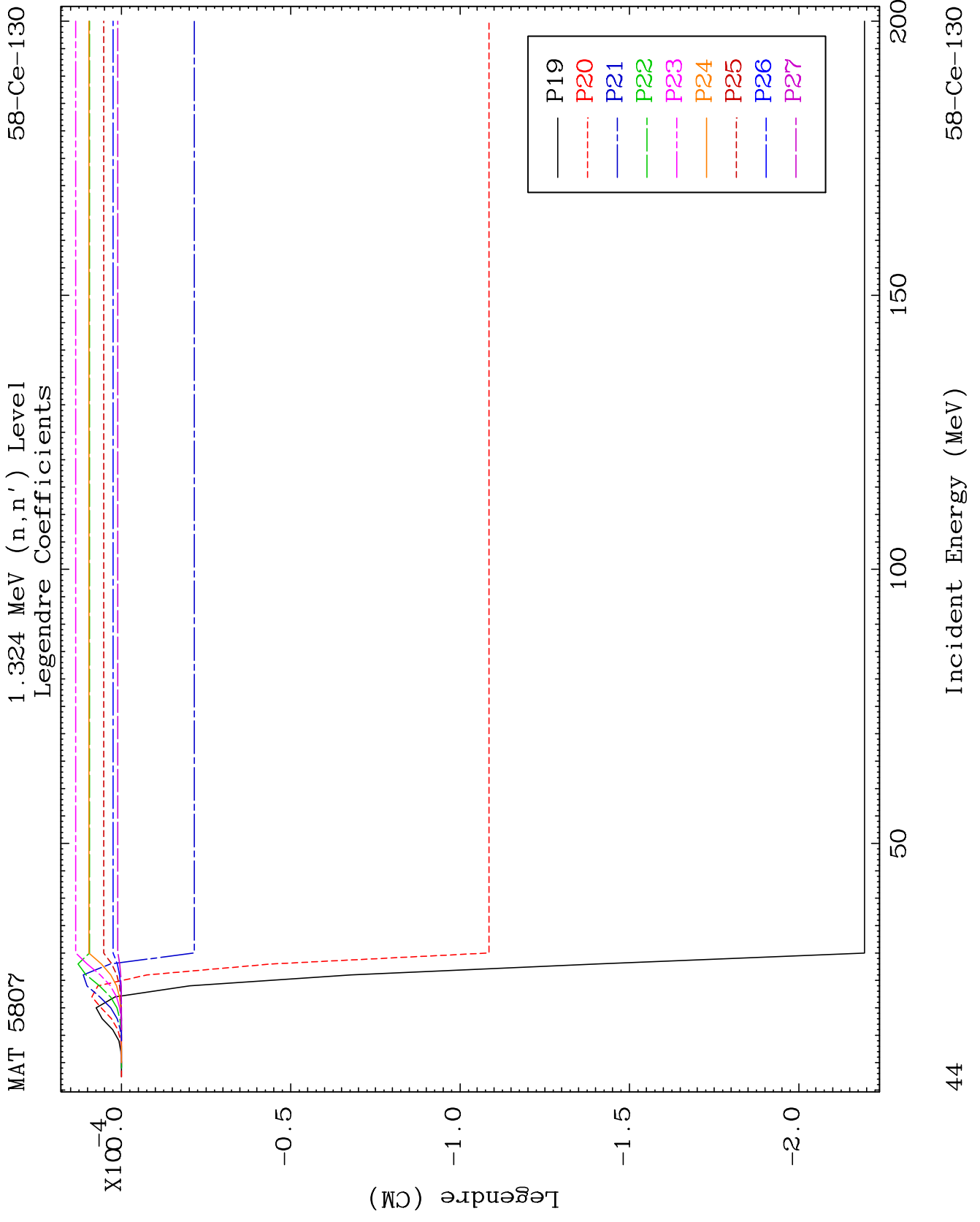
58-Ce-130



43

Incident Energy (MeV)

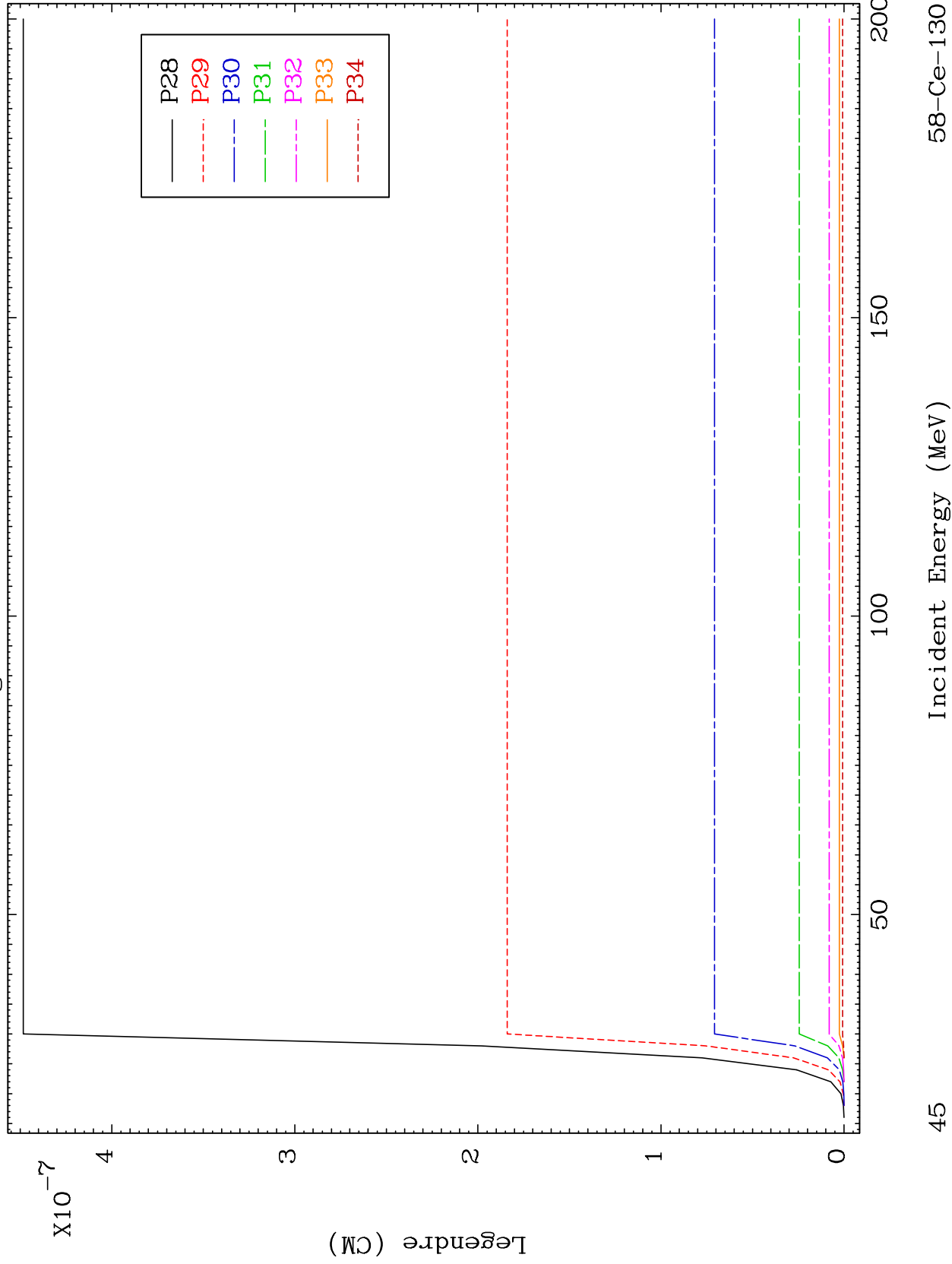
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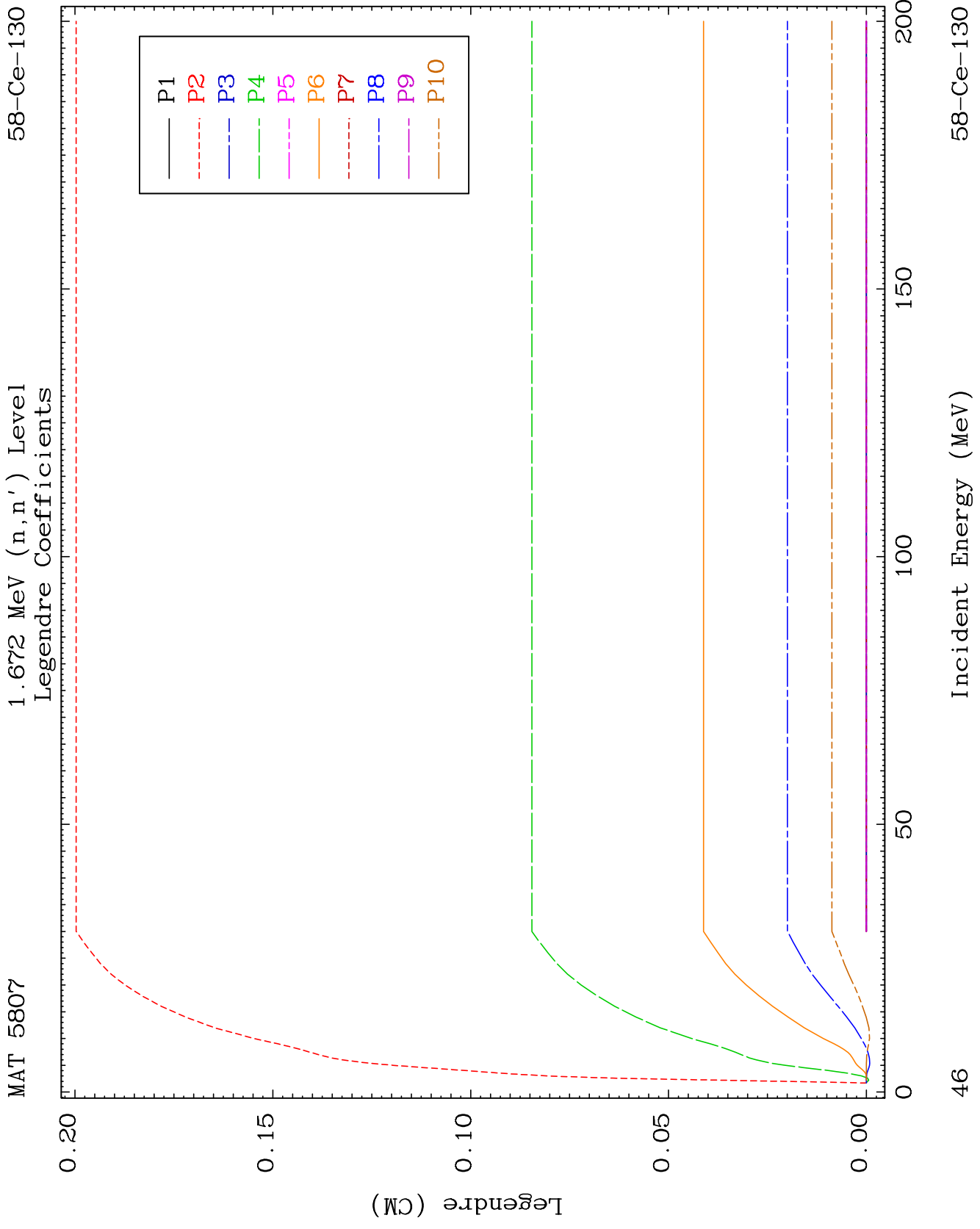


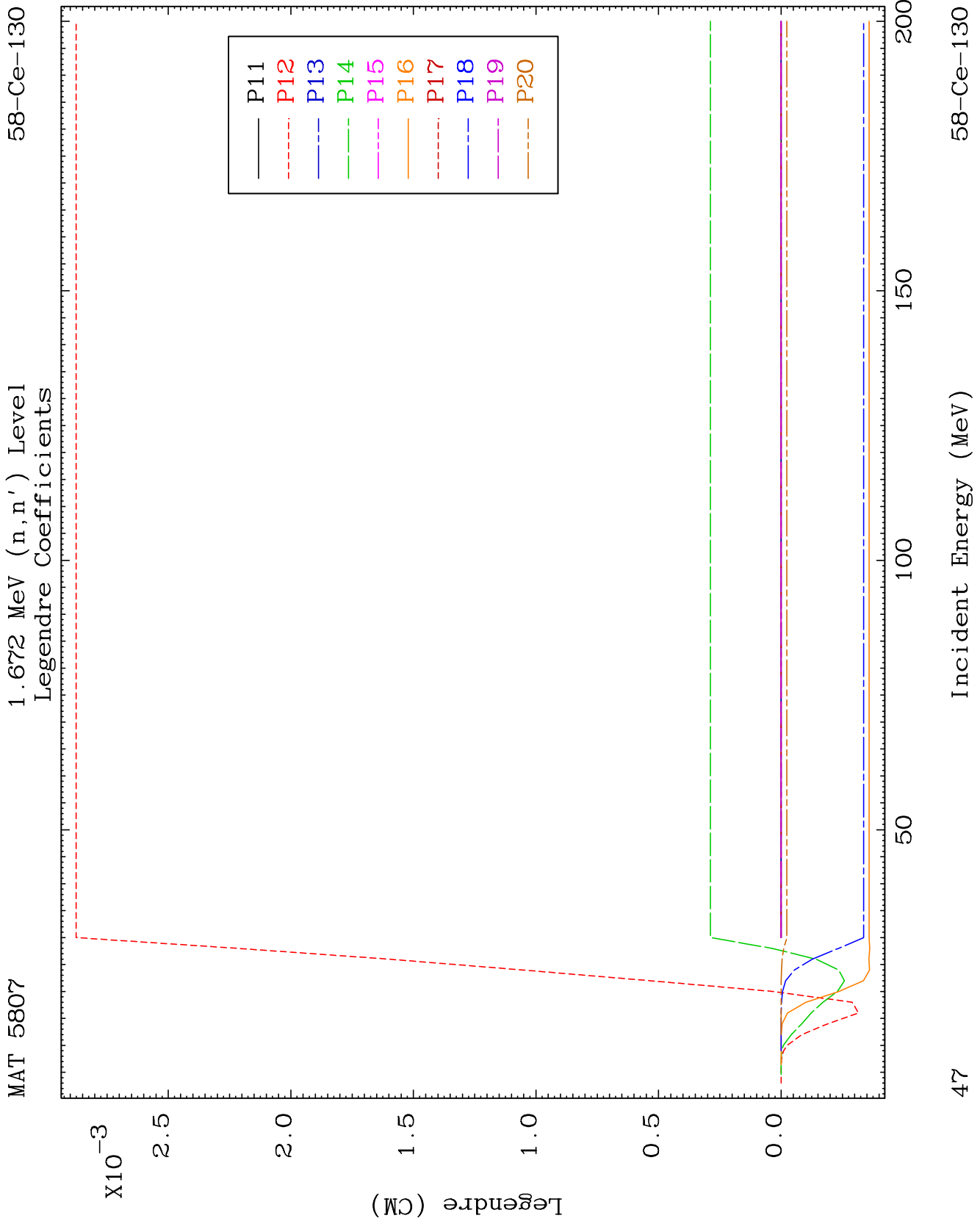
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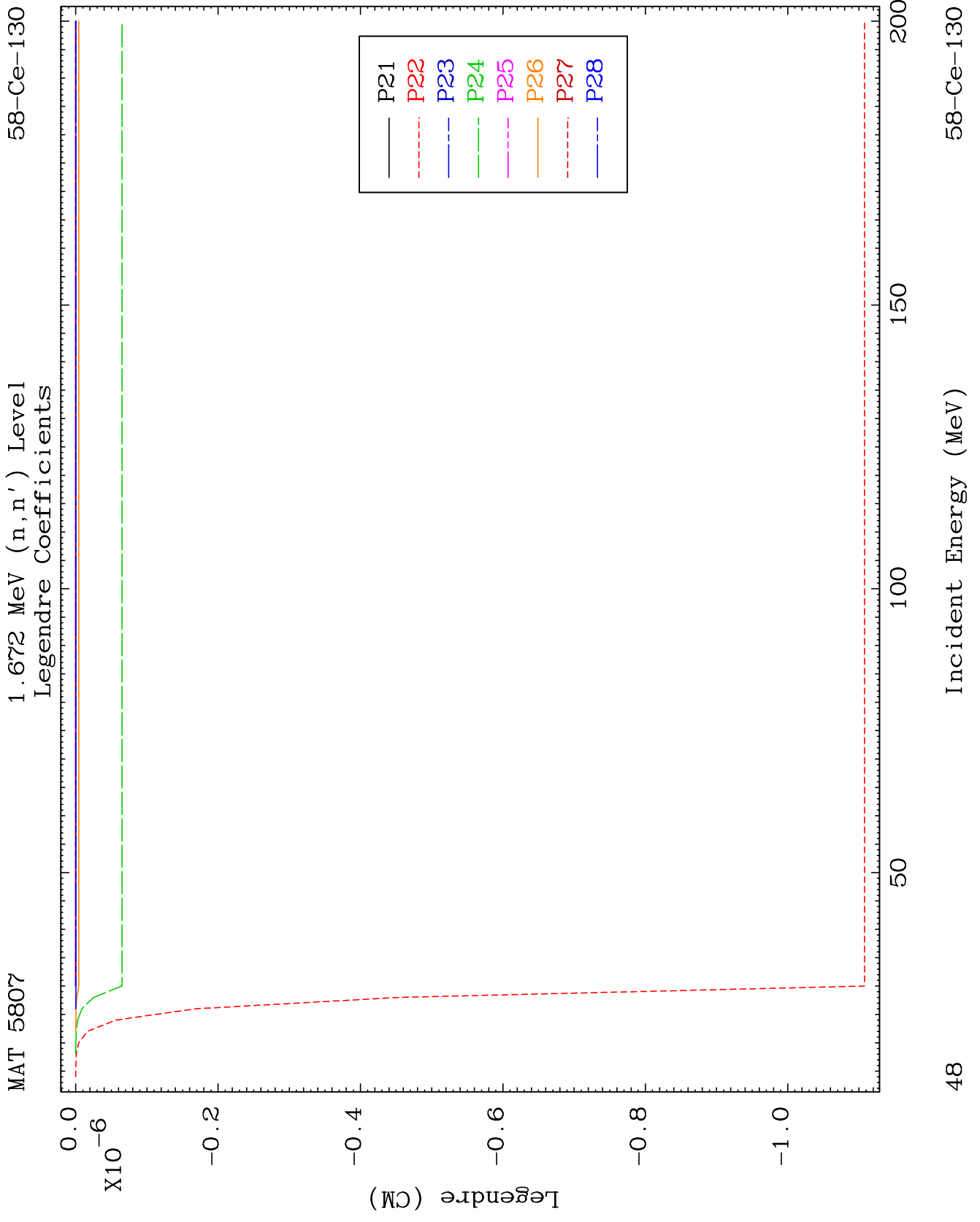
1.324 MeV (n,n') Level
Legendre Coefficients

58-Ce-130





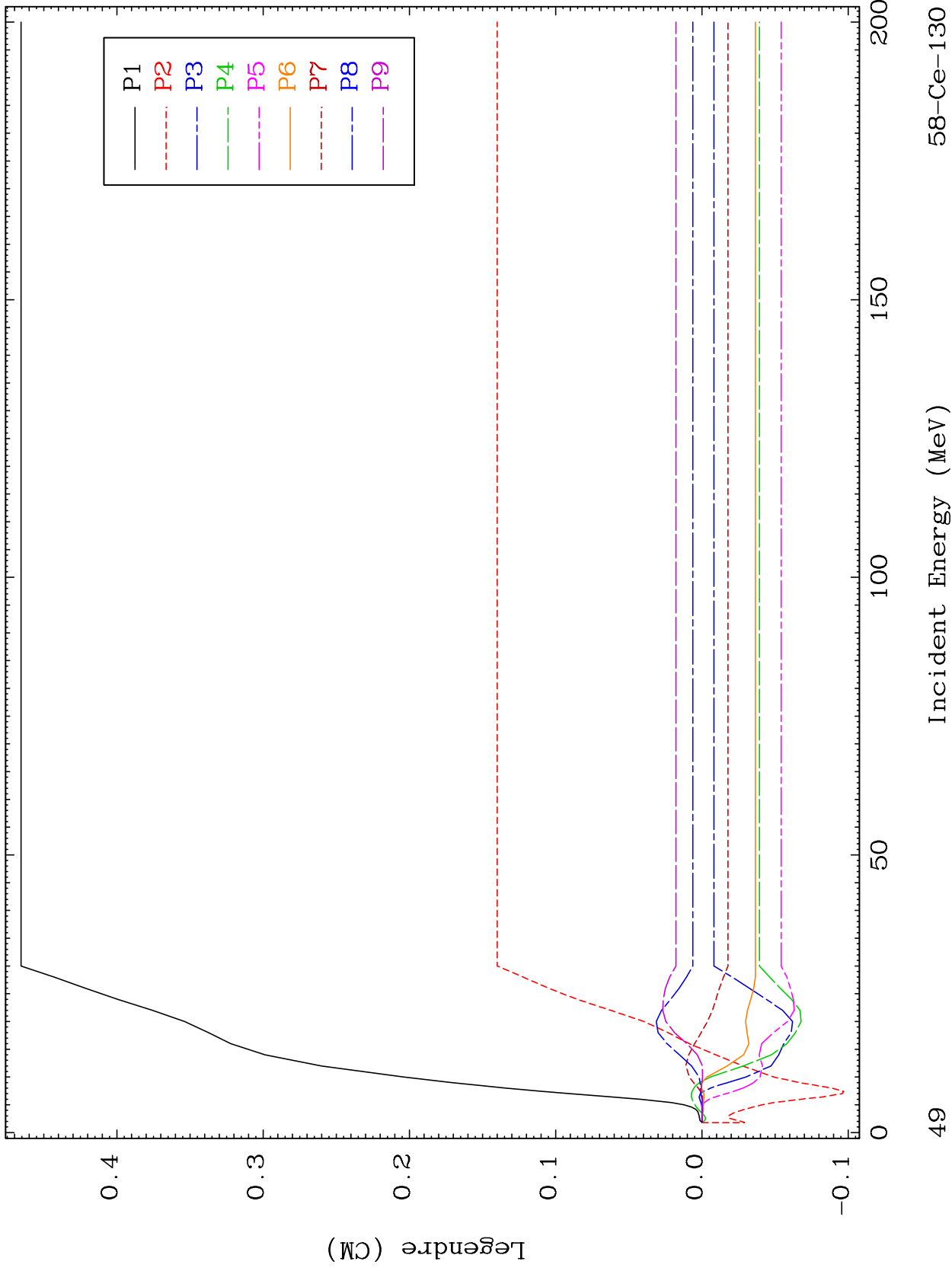




MAT 5807

1.755 MeV (n,n') Level
Legendre Coefficients

58-Ce-130



58-Ce-130

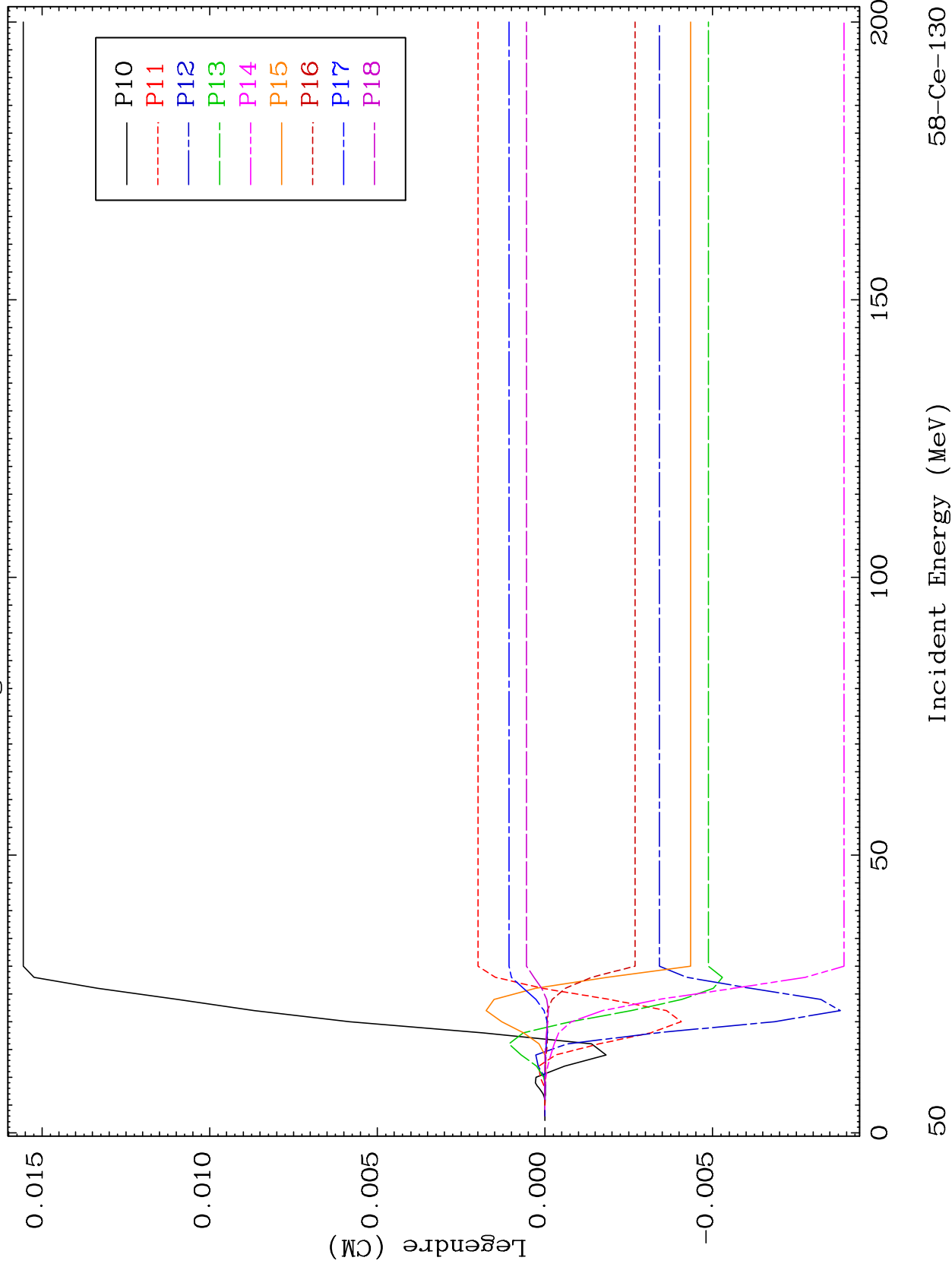
Incident Energy (MeV)

49

MAT 5807

1.755 MeV (n,n') Level
Legendre Coefficients

58-Ce-130



58-Ce-130

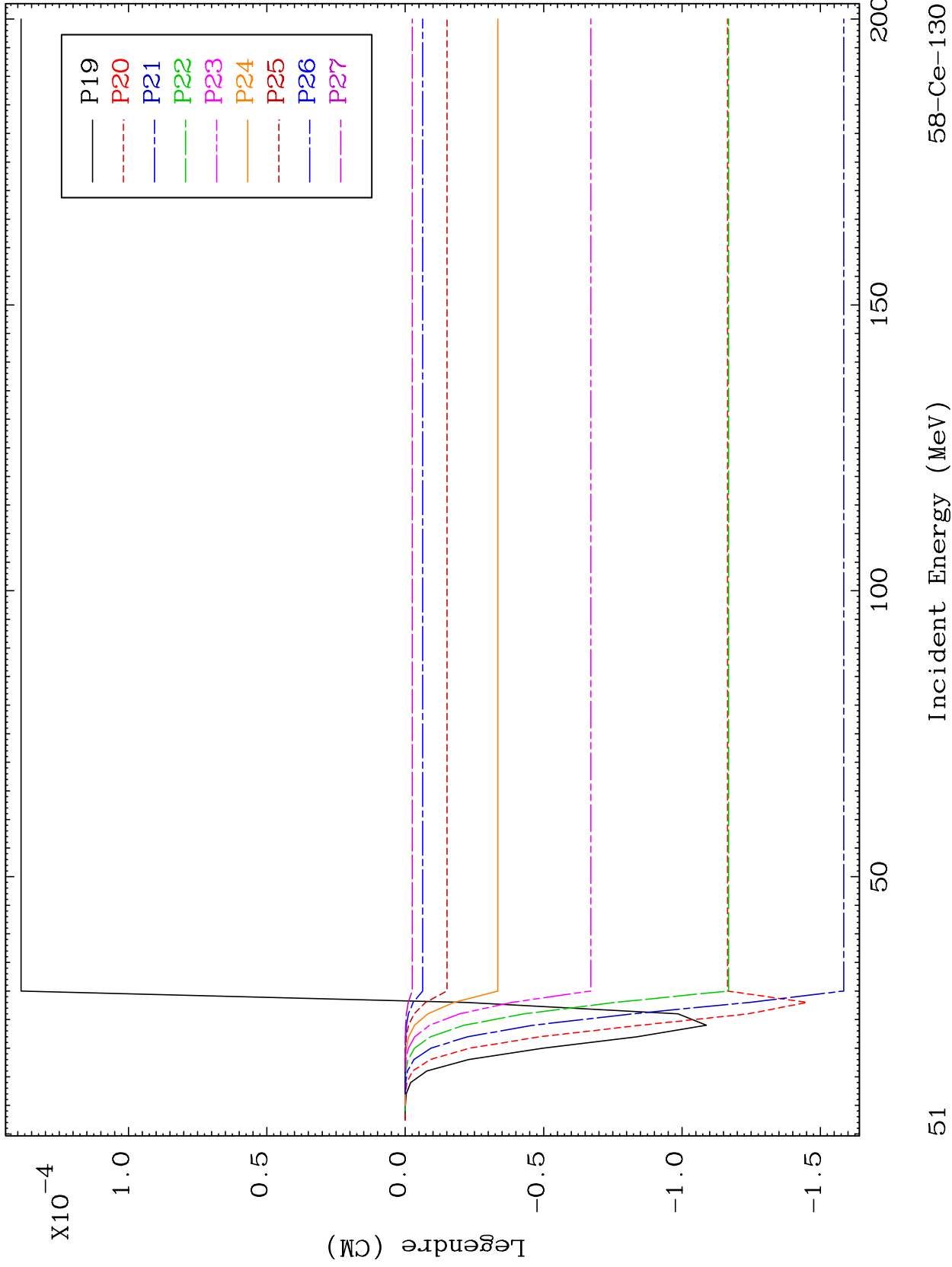
Incident Energy (MeV)

50

MAT 5807

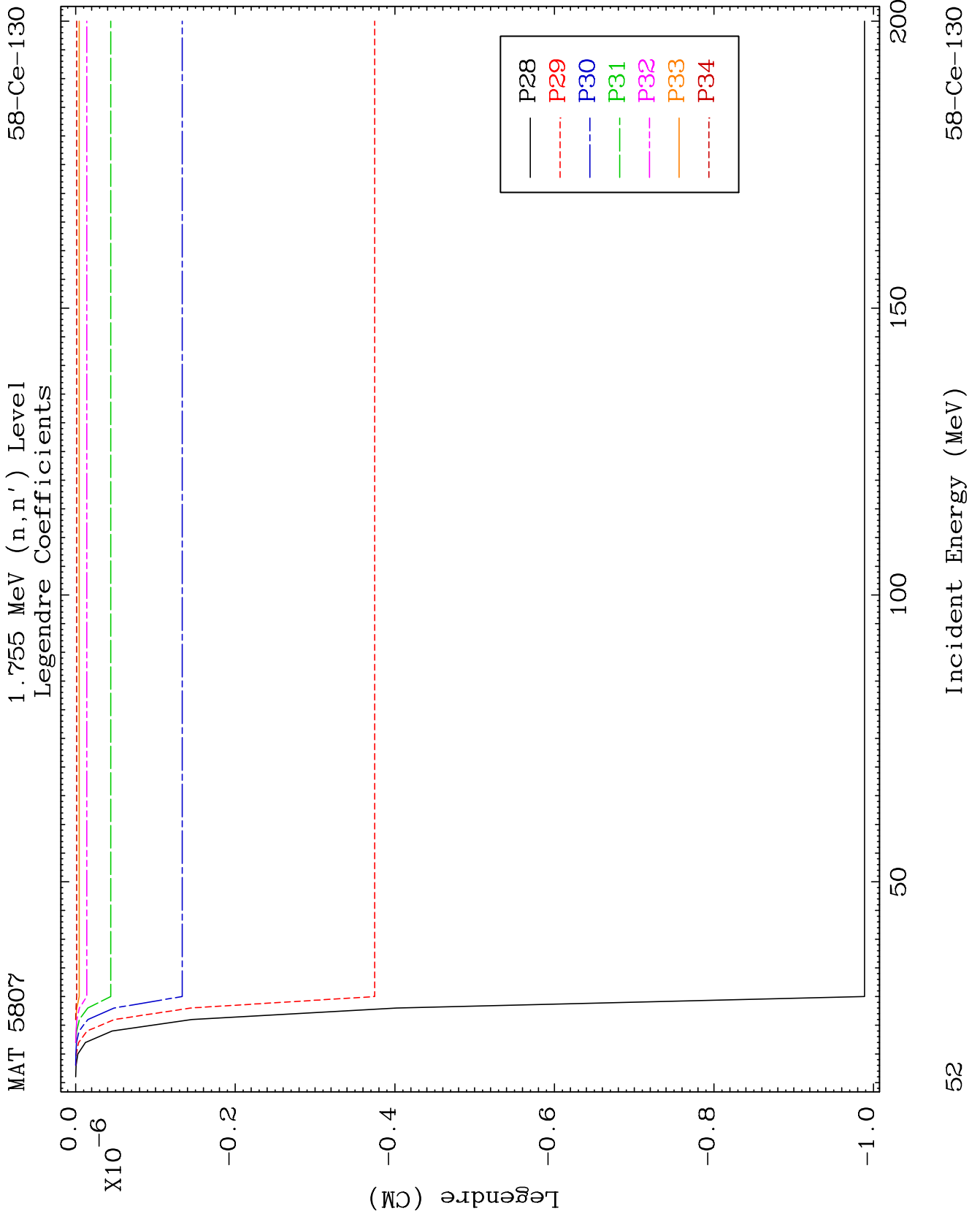
1.755 MeV (n,n') Level
Legendre Coefficients

58-Ce-130



51

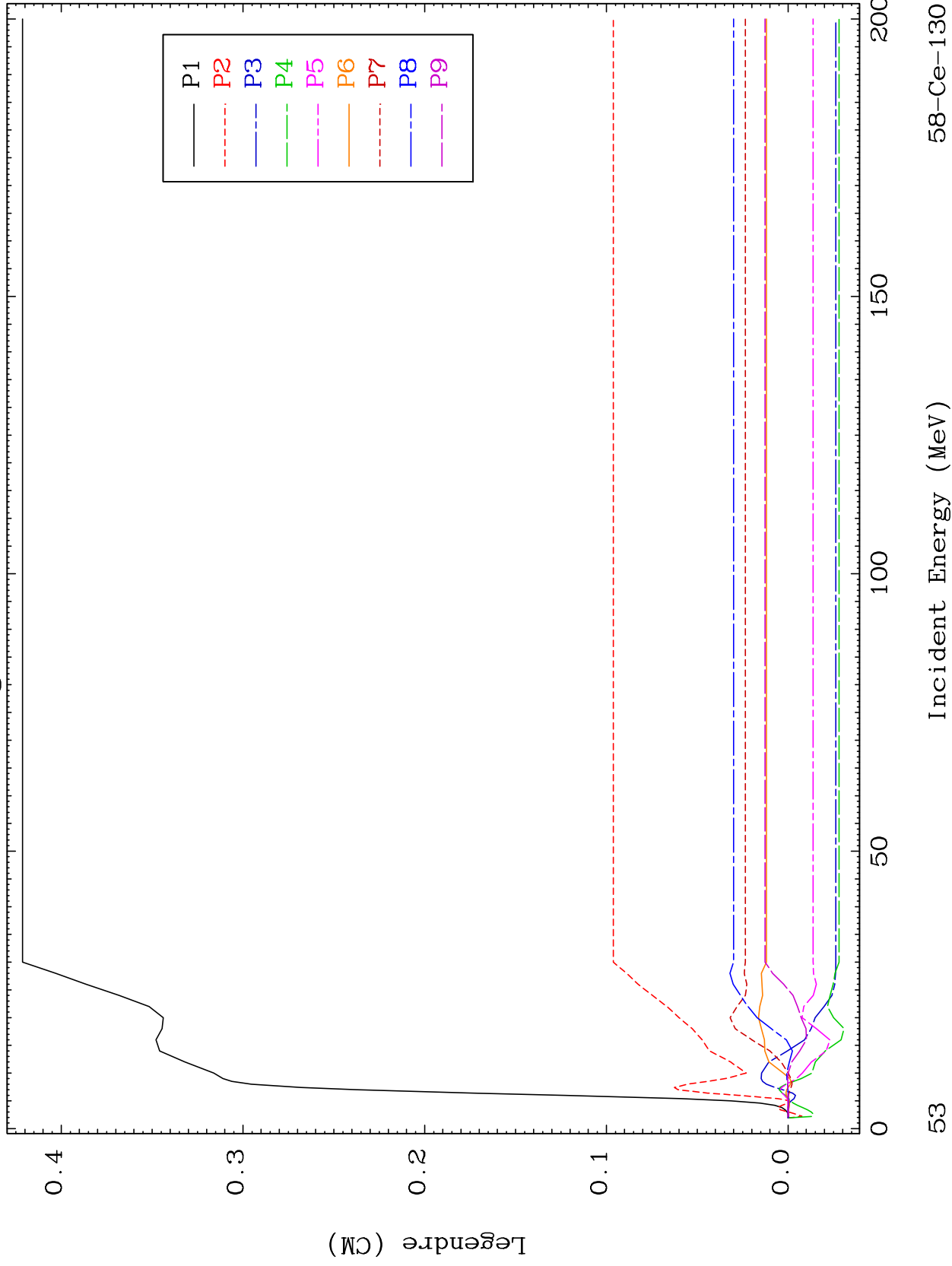
58-Ce-130



MAT 5807

1.898 MeV (n,n') Level
Legendre Coefficients

58-Ce-130



58-Ce-130

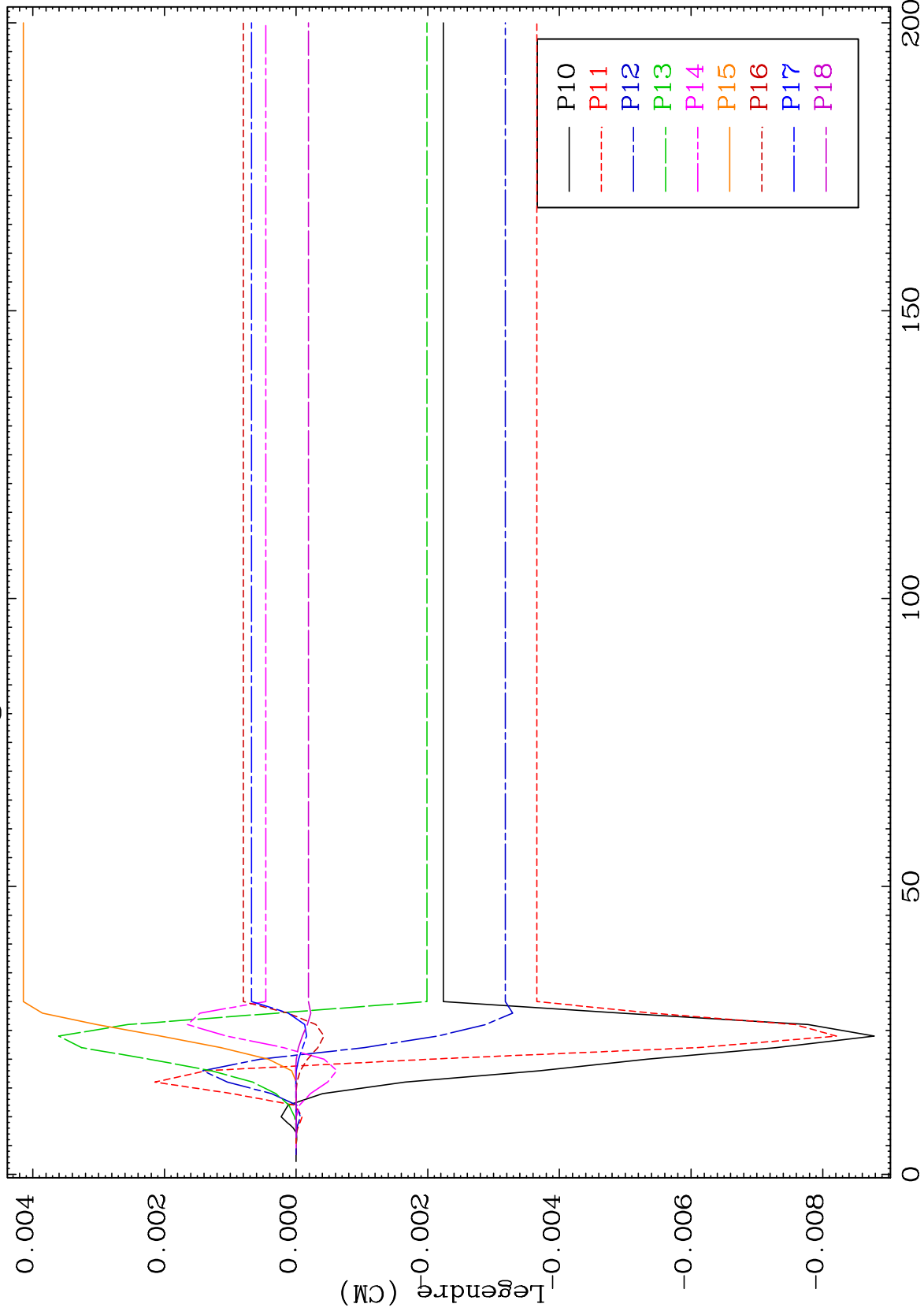
Incident Energy (MeV)

53

MAT 5807

1.898 MeV (n,n') Level
Legendre Coefficients

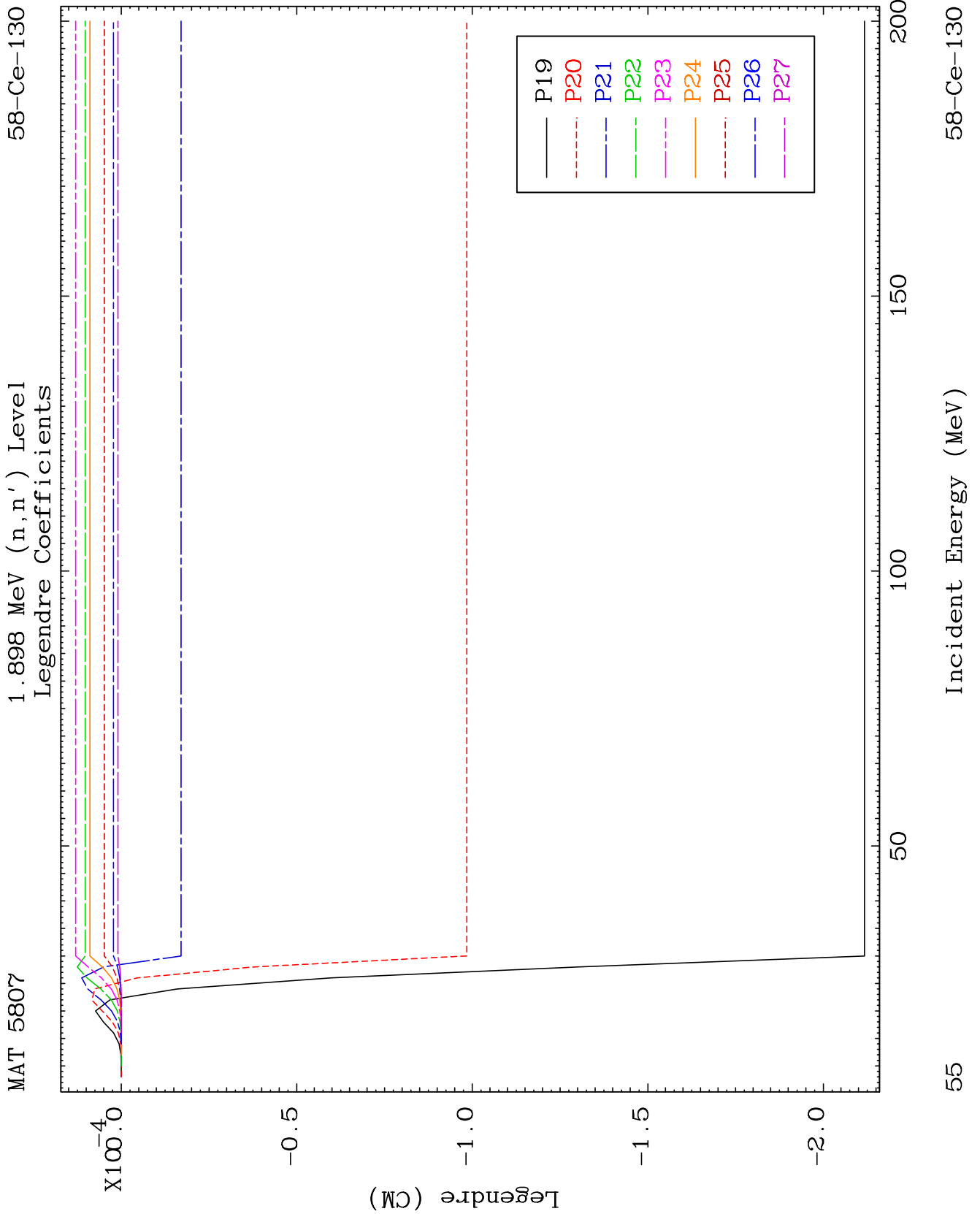
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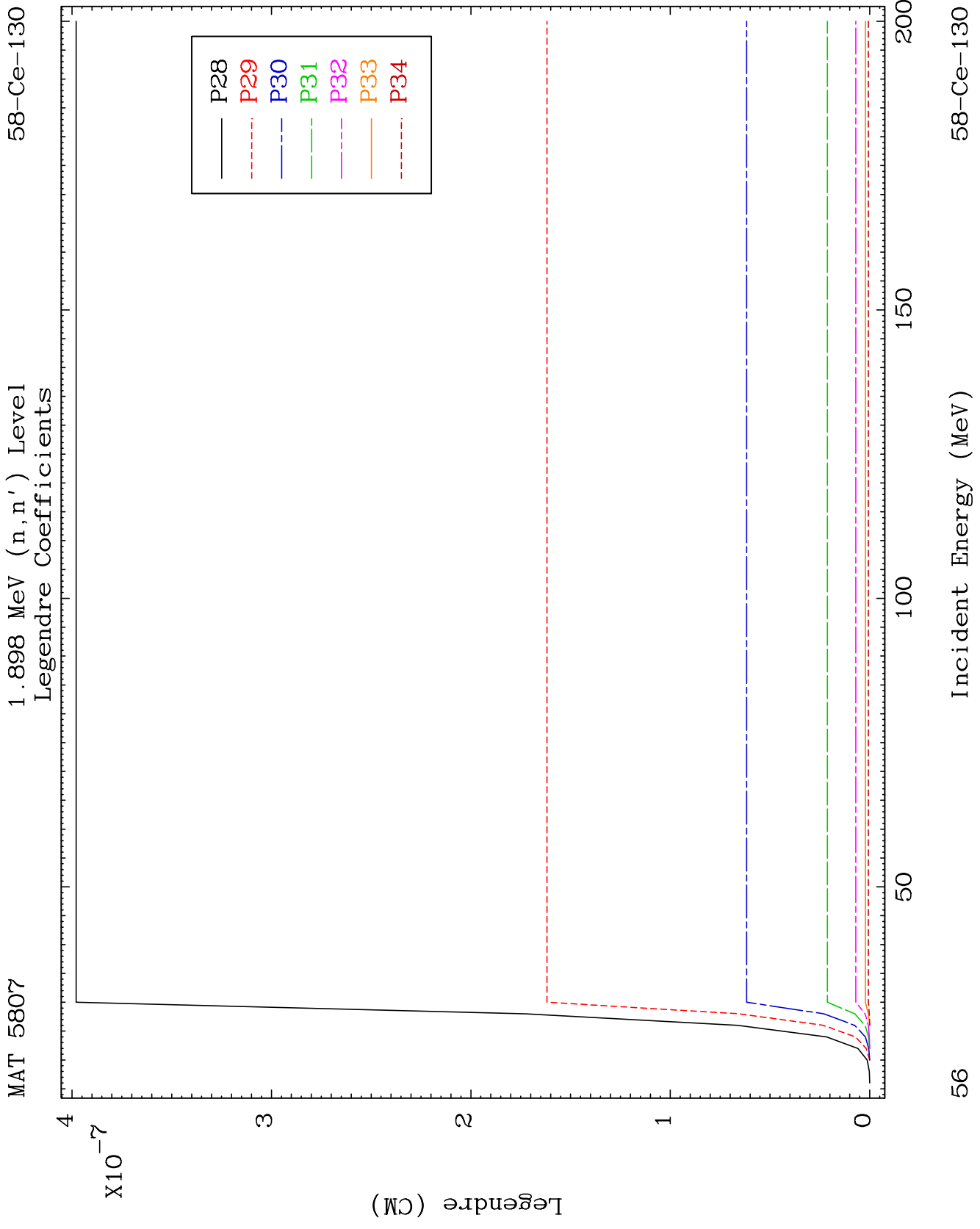


54

Incident Energy (MeV)

58-Ce-130

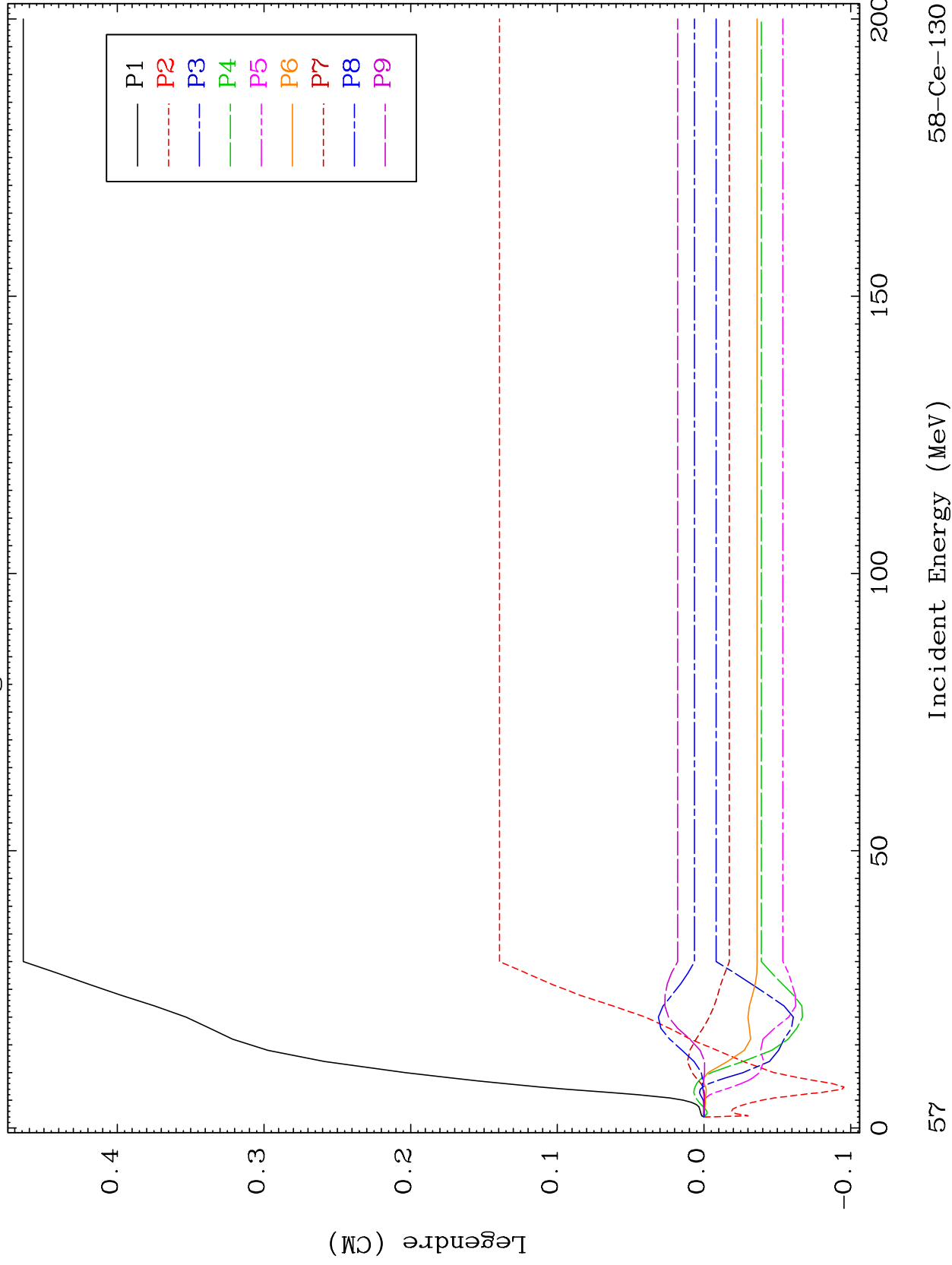




MAT 5807

1.955 MeV (n,n') Level
Legendre Coefficients

58-Ce-130



58-Ce-130

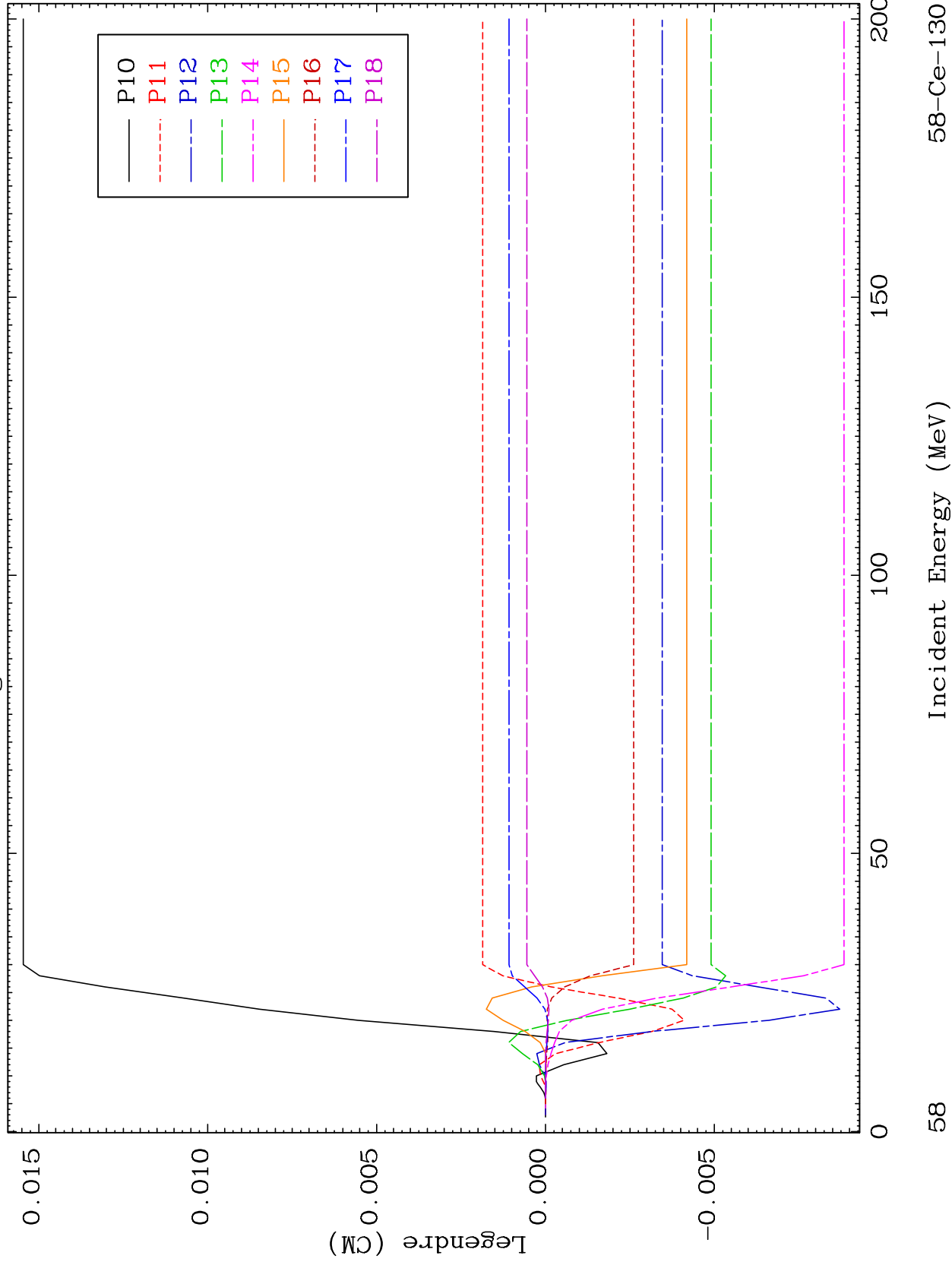
Incident Energy (MeV)

57

MAT 5807

1.955 MeV (n,n') Level
Legendre Coefficients

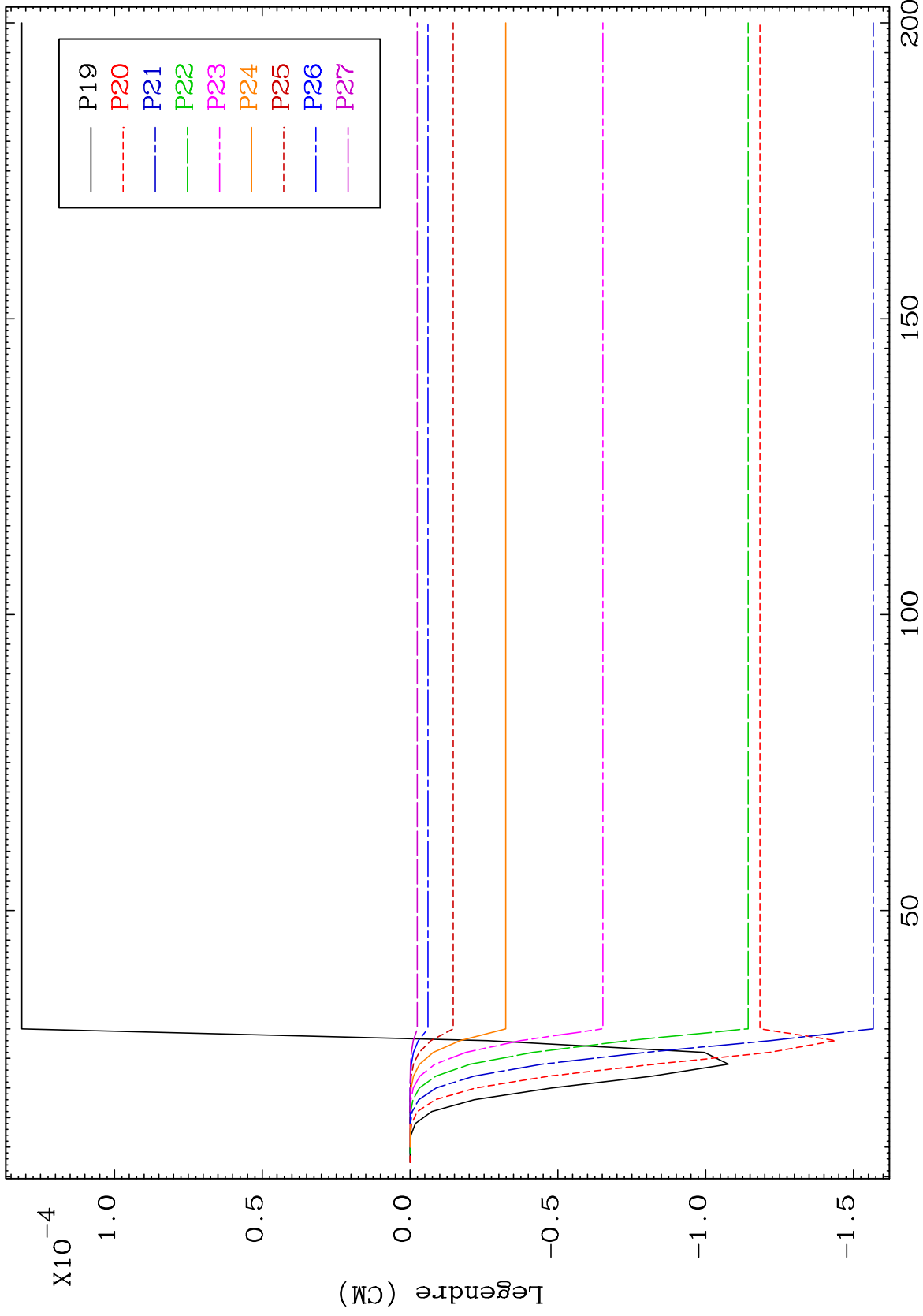
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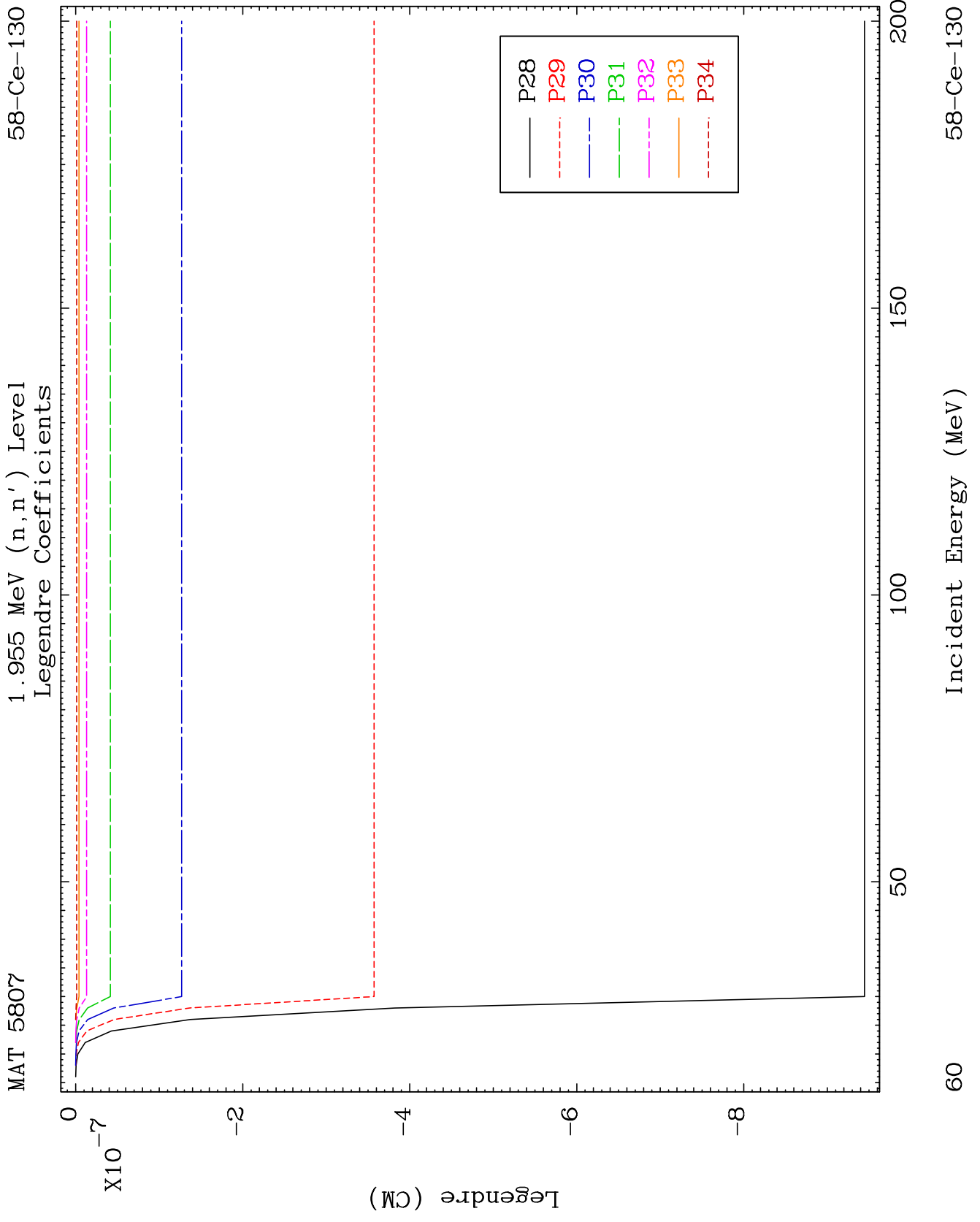


58-Ce-130

Incident Energy (MeV)

58

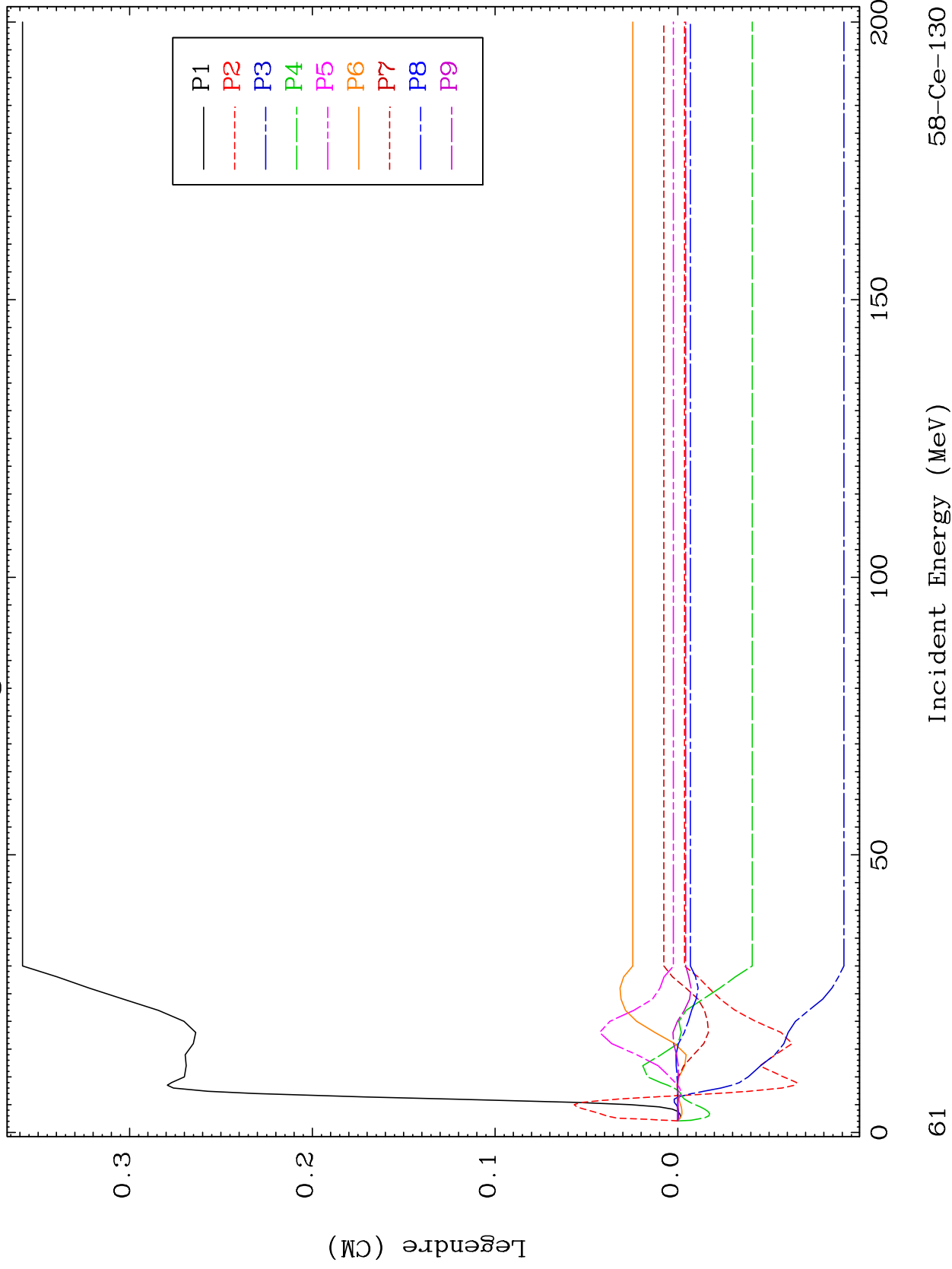




MAT 5807

2.053 MeV (n,n') Level
Legendre Coefficients

58-Ce-130



61

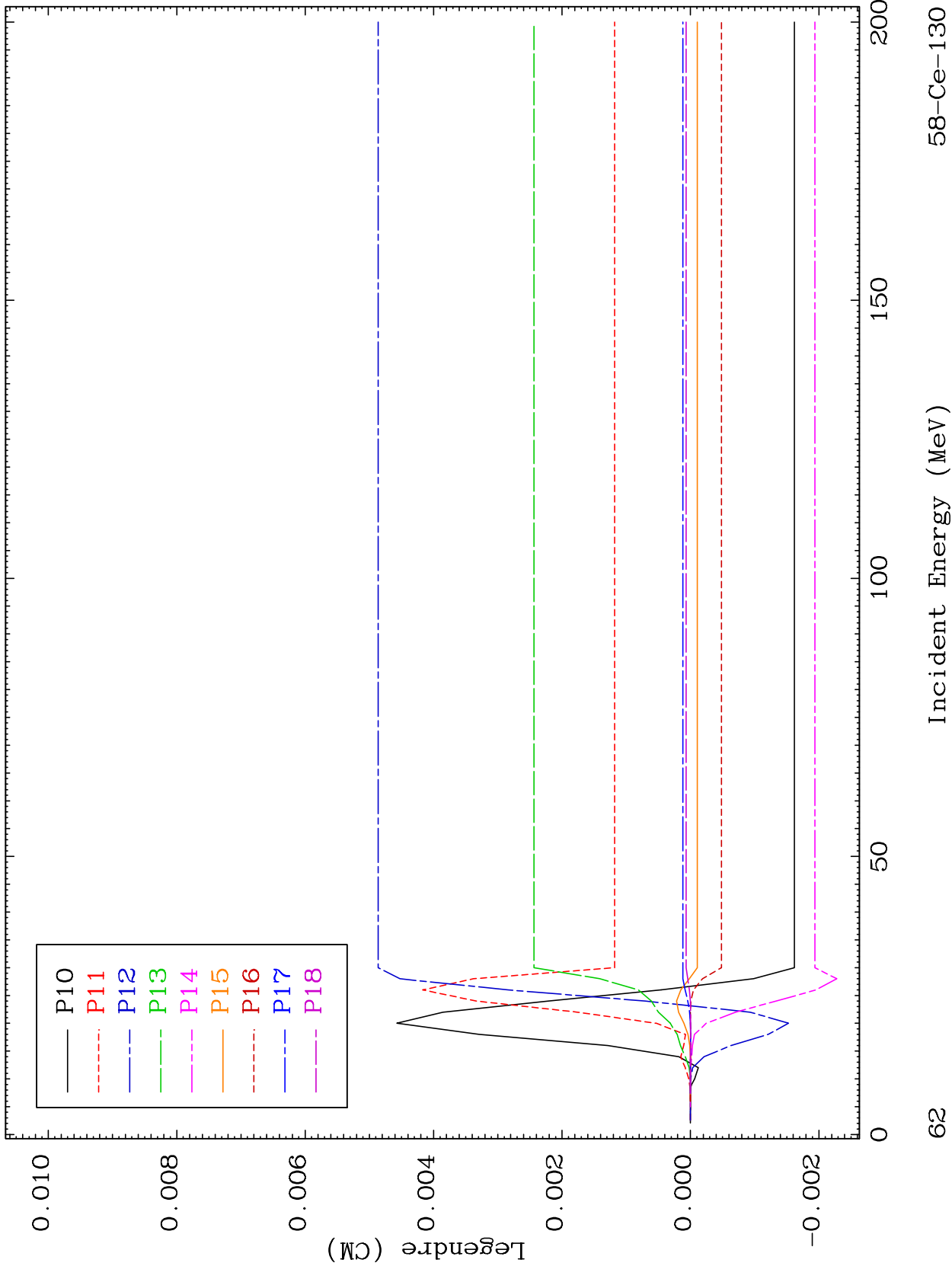
Incident Energy (MeV)

58-Ce-130

MAT 5807

2.053 MeV (n, n') Level
Legendre Coefficients

58-Ce-130



62

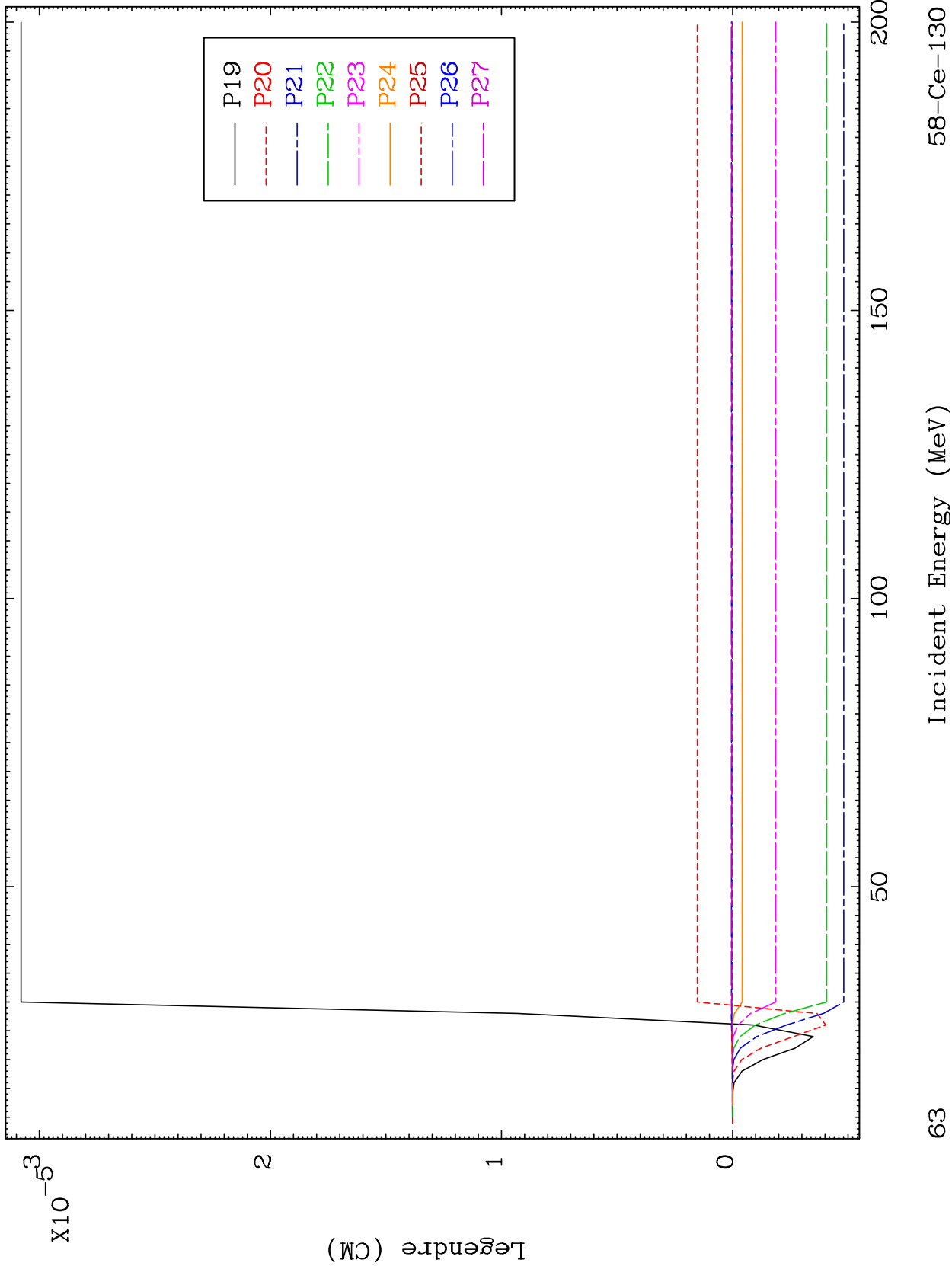
Incident Energy (MeV)

58-Ce-130

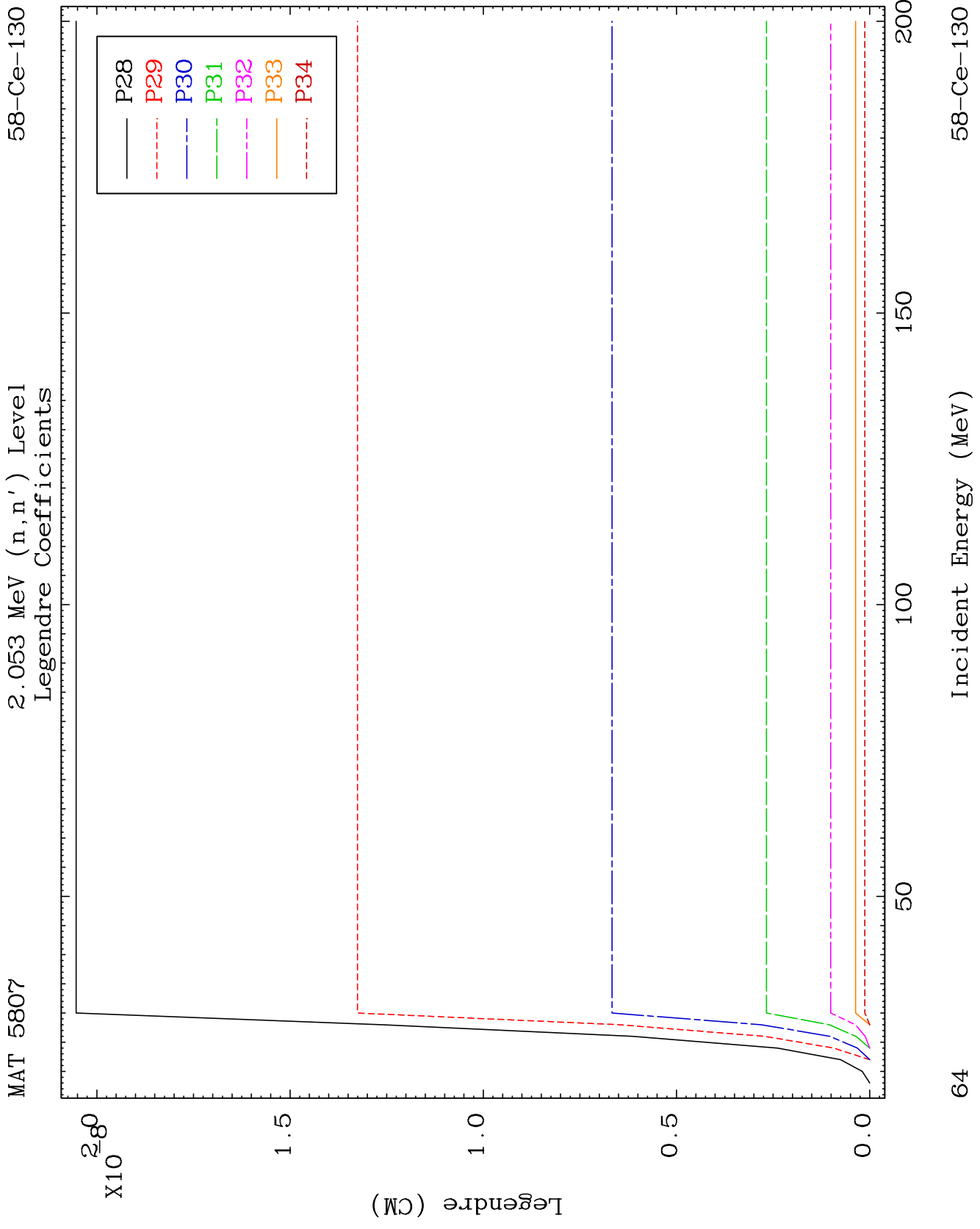
MAT 5807

2.053 MeV (n,n') Level
Legendre Coefficients

58-Ce-130



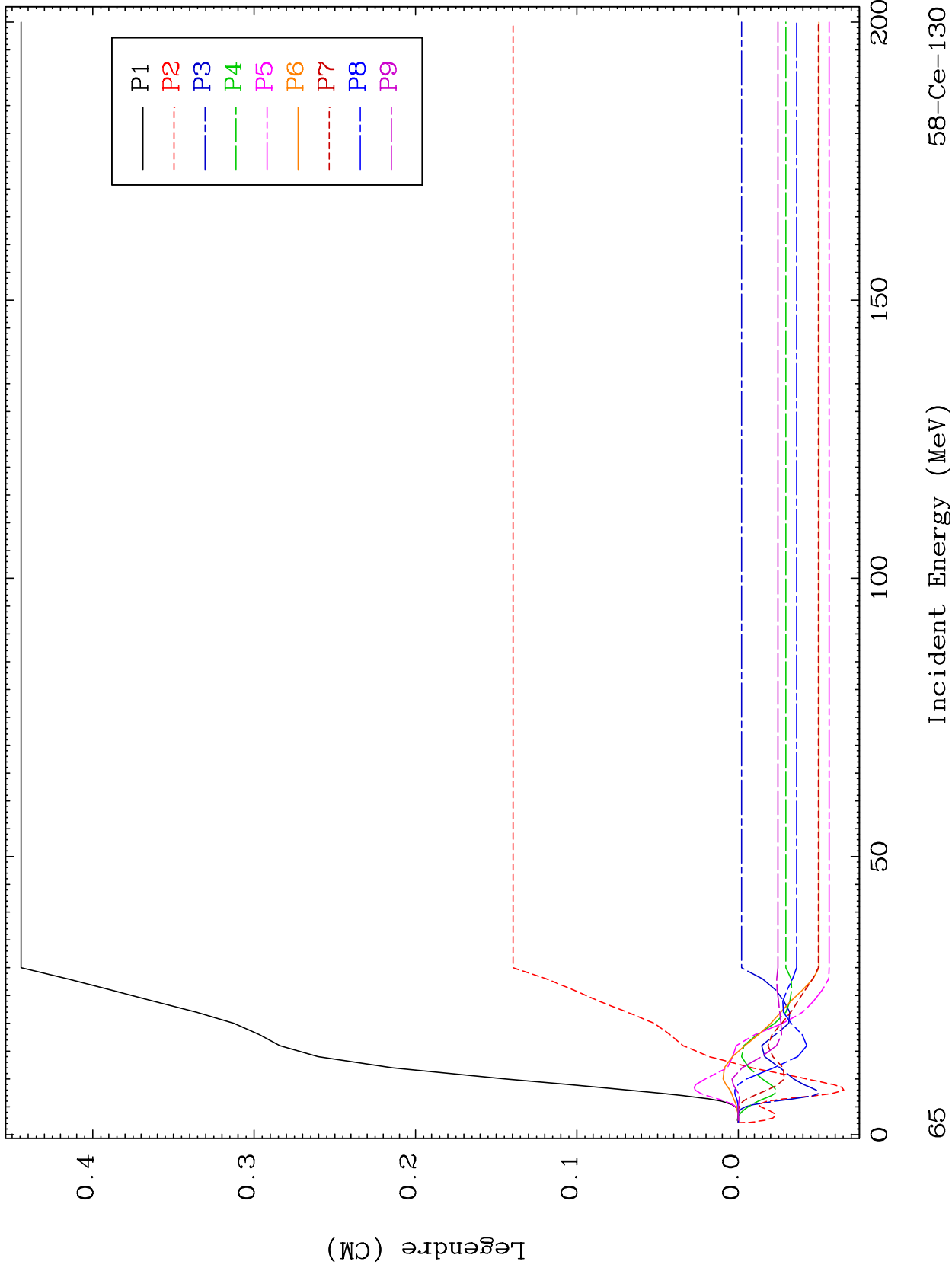
63



MAT 5807

2.116 MeV (n,n') Level
Legendre Coefficients

58-Ce-130



58-Ce-130

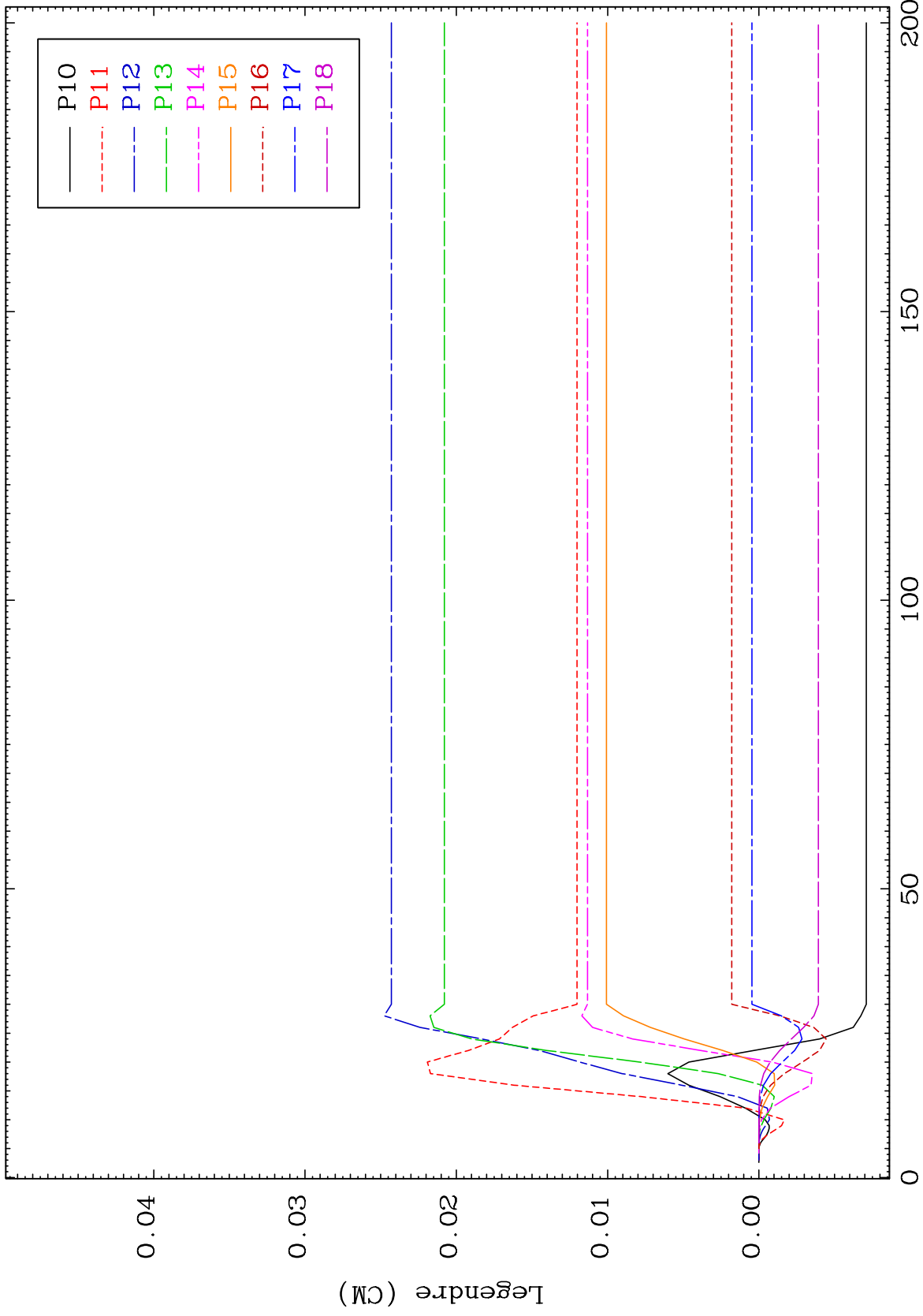
Incident Energy (MeV)

65

MAT 5807

2.116 MeV (n,n') Level
Legendre Coefficients

58-Ce-130



66

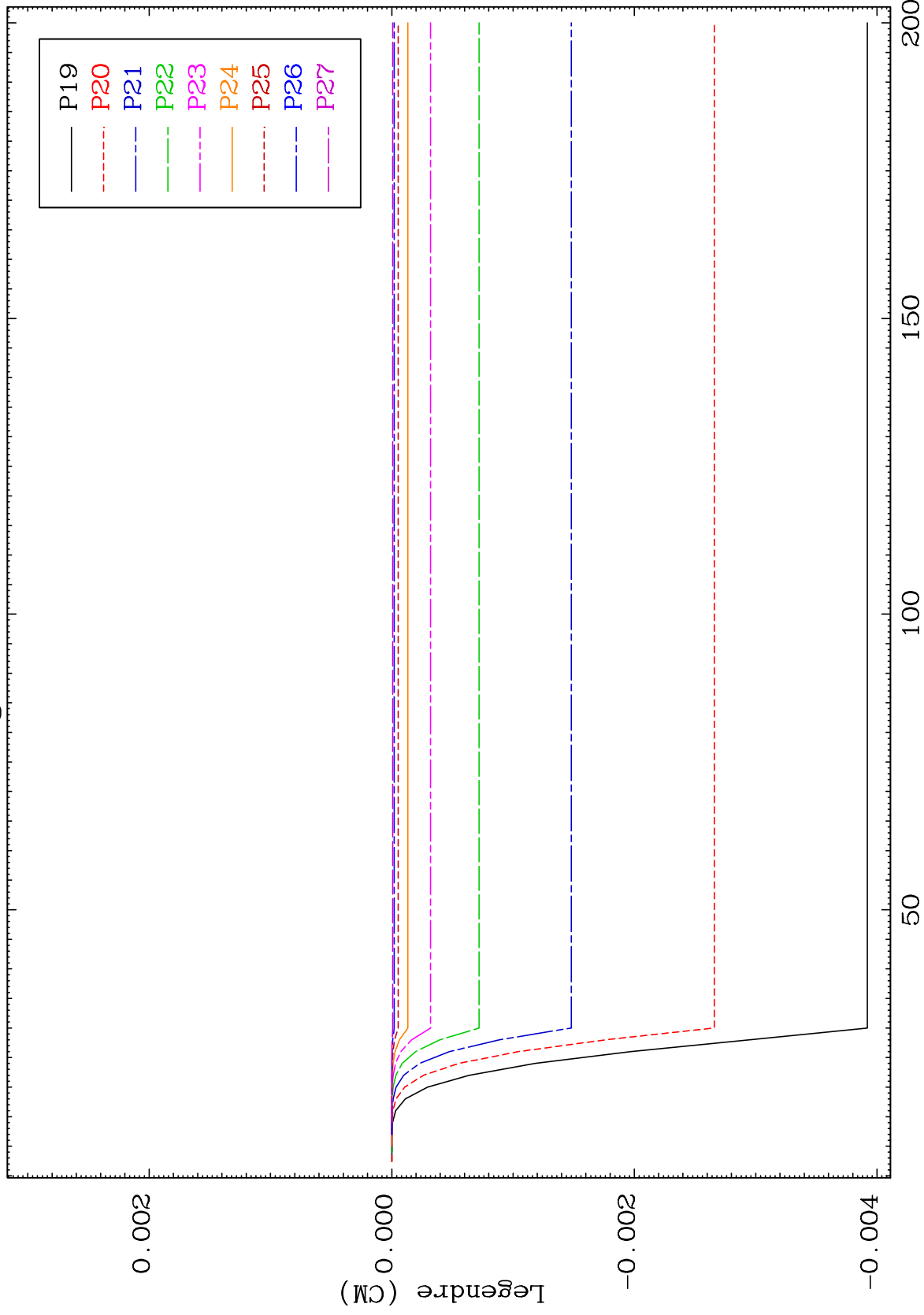
Incident Energy (MeV)

58-Ce-130

MAT 5807

2.116 MeV (n,n') Level
Legendre Coefficients

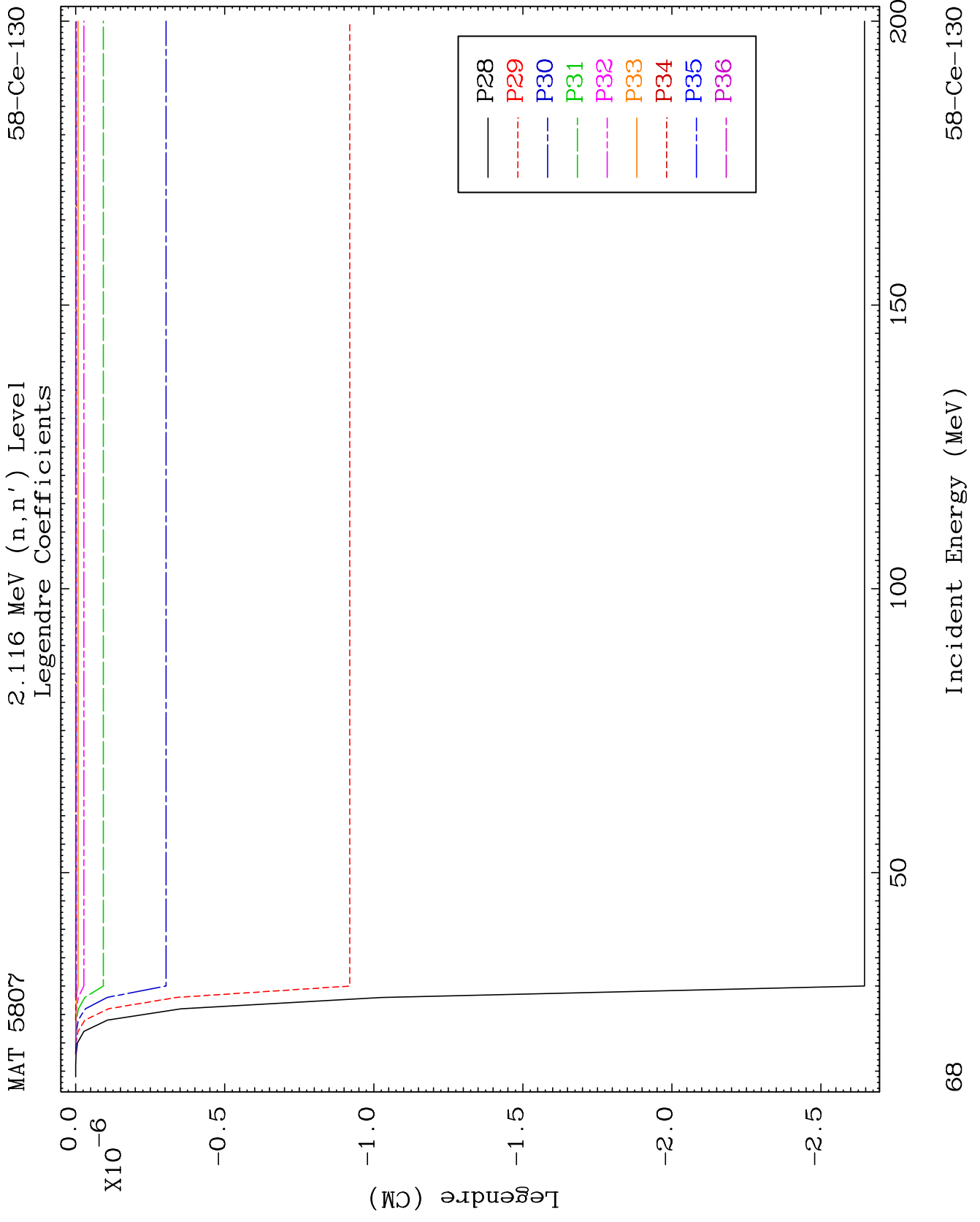
58-Ce-130



67

Incident Energy (MeV)

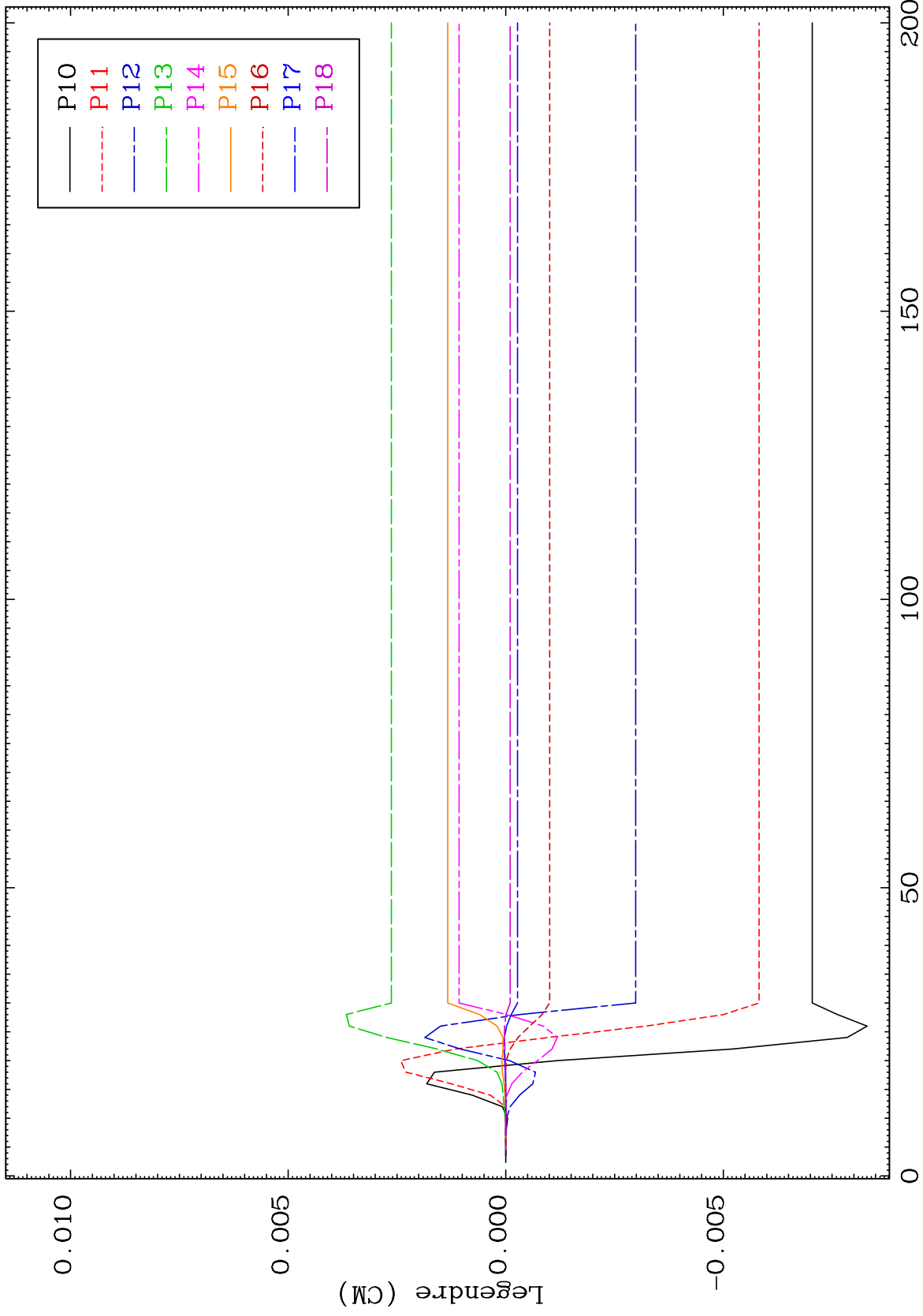
58-Ce-130



MAT 5807

2.313 MeV (n,n') Level
Legendre Coefficients

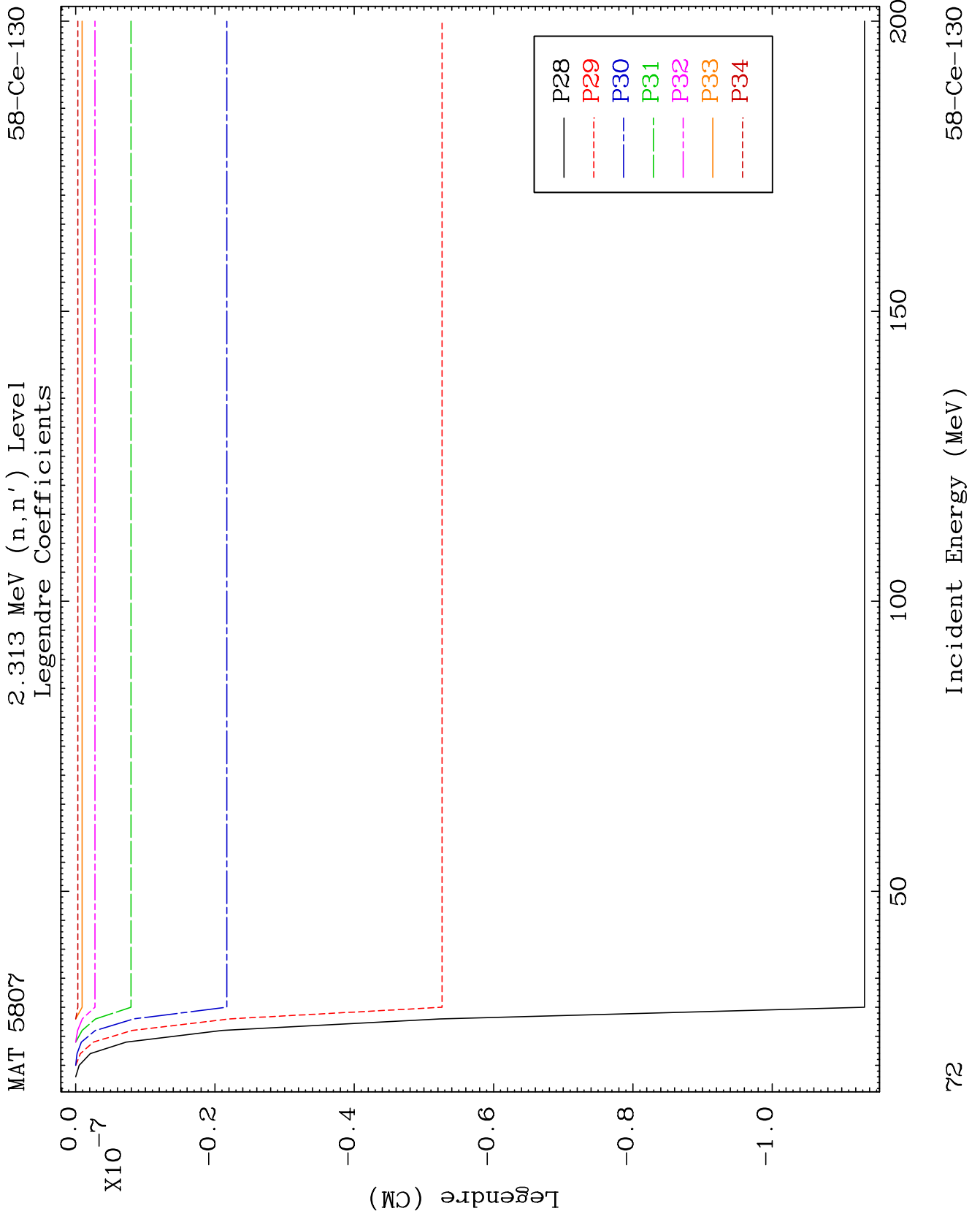
58-Ce-130



70

Incident Energy (MeV)

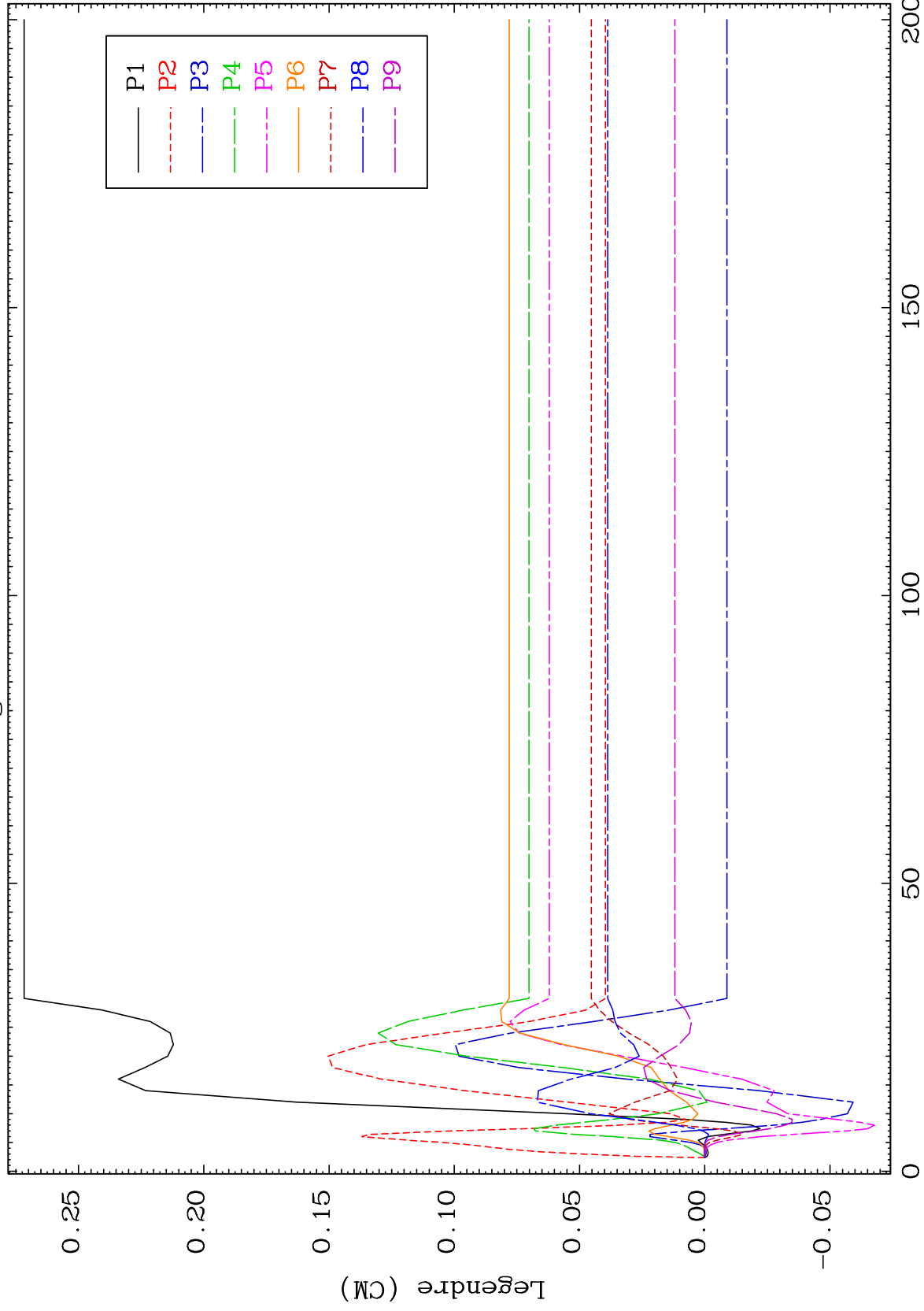
58-Ce-130



MAT 5807

2.333 MeV (n,n') Level
Legendre Coefficients

58-Ce-130



73

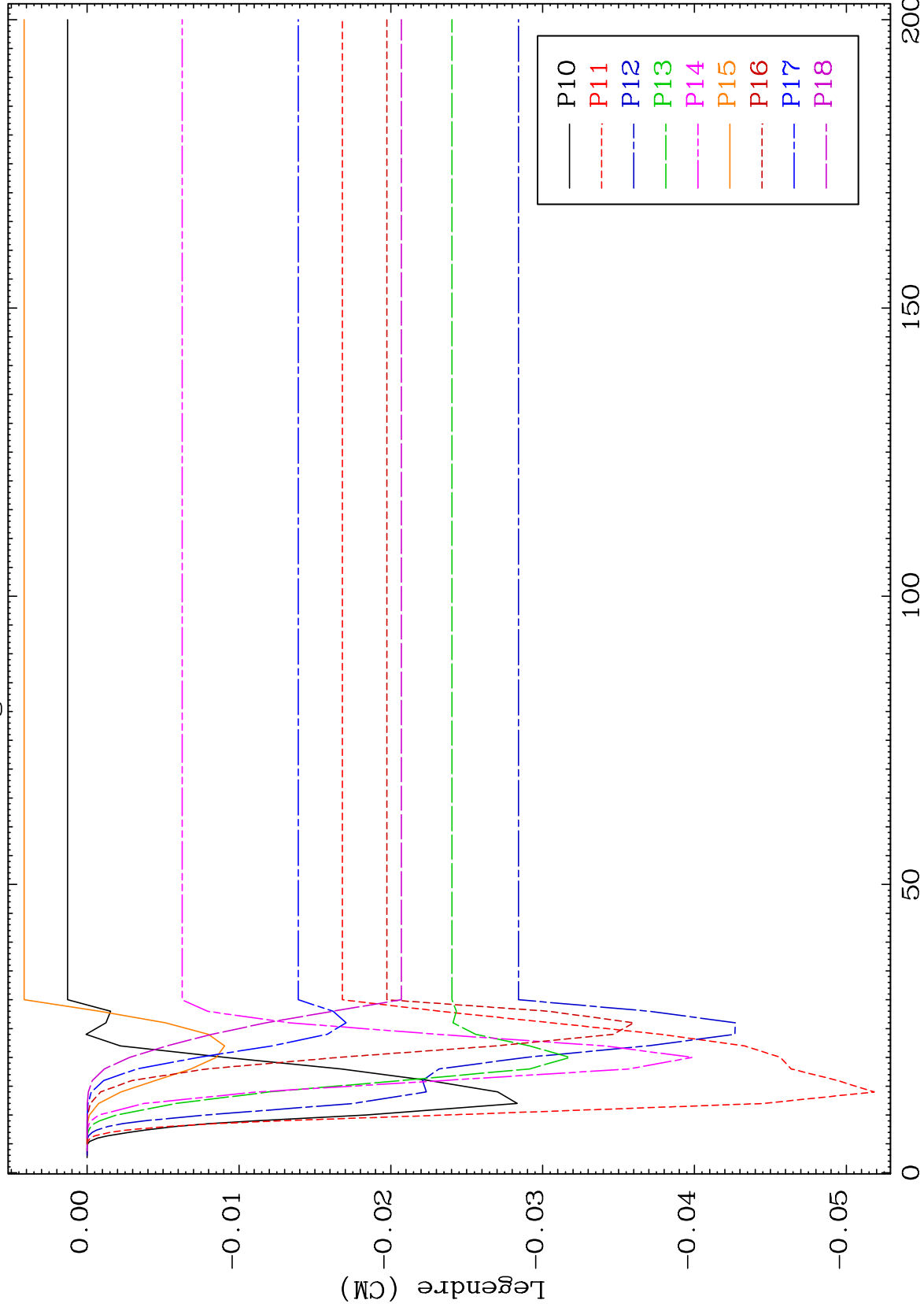
Incident Energy (MeV)

58-Ce-130

MAT 5807

2.333 MeV (n,n') Level
Legendre Coefficients

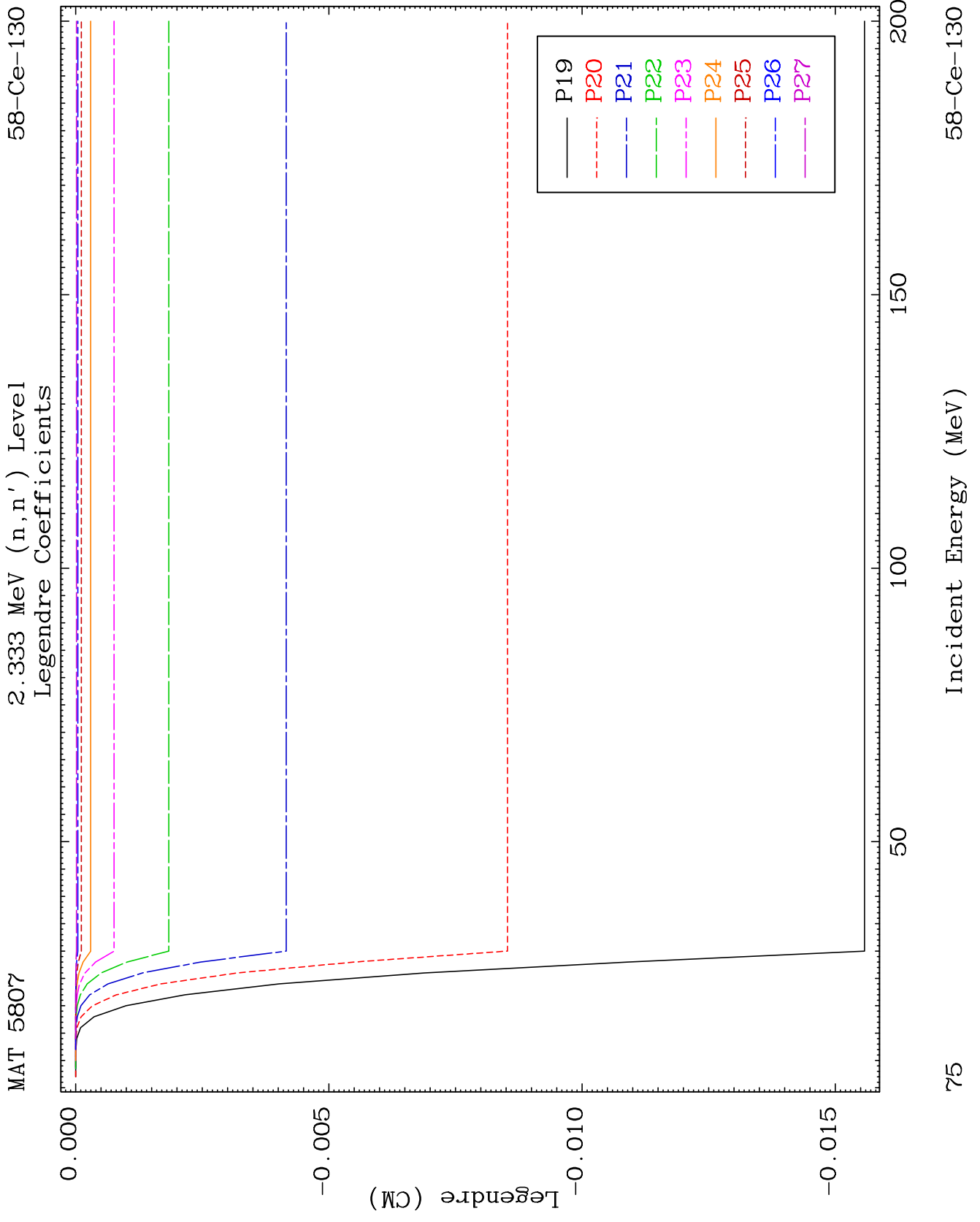
58-Ce-130

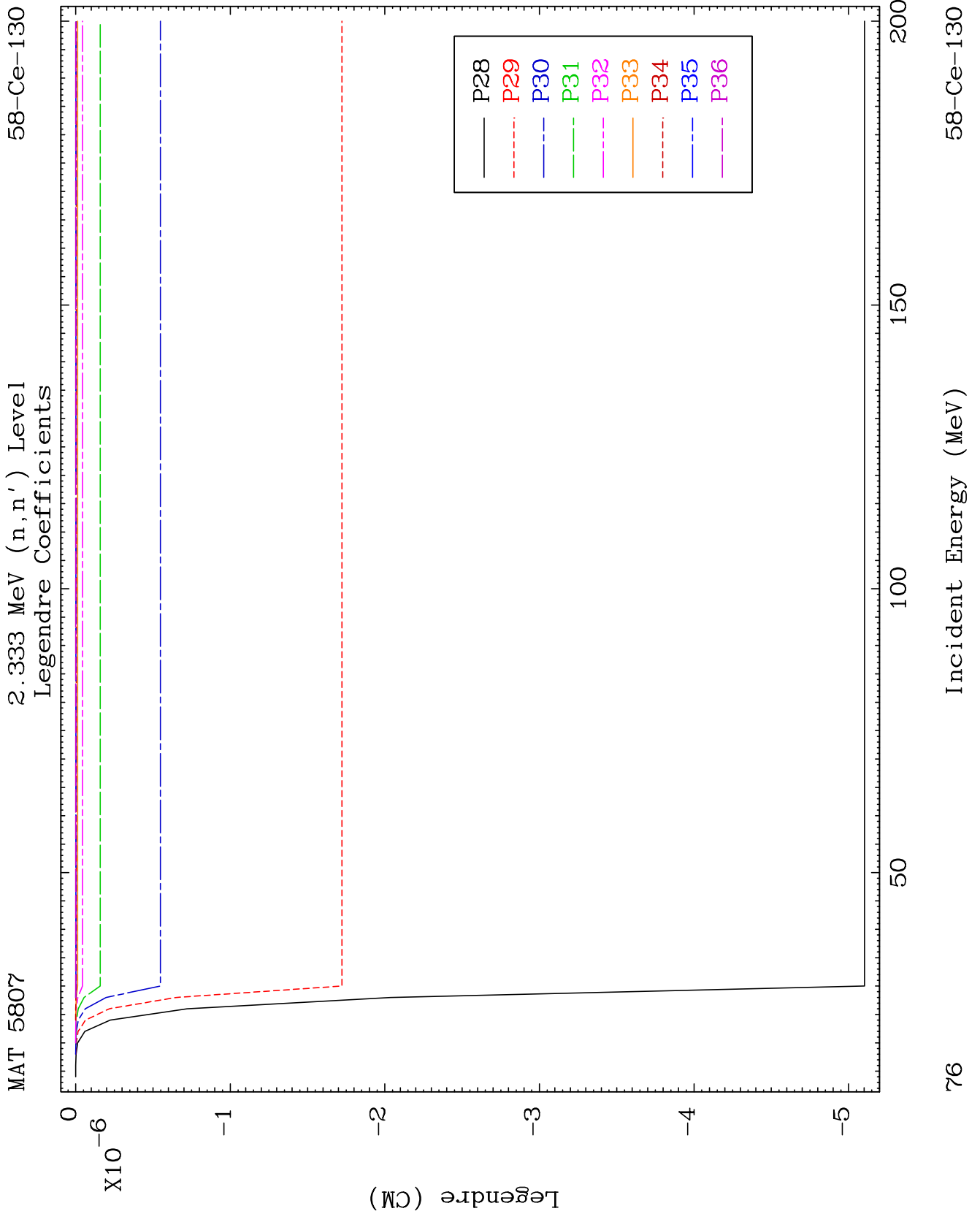


74

Incident Energy (MeV)

58-Ce-130

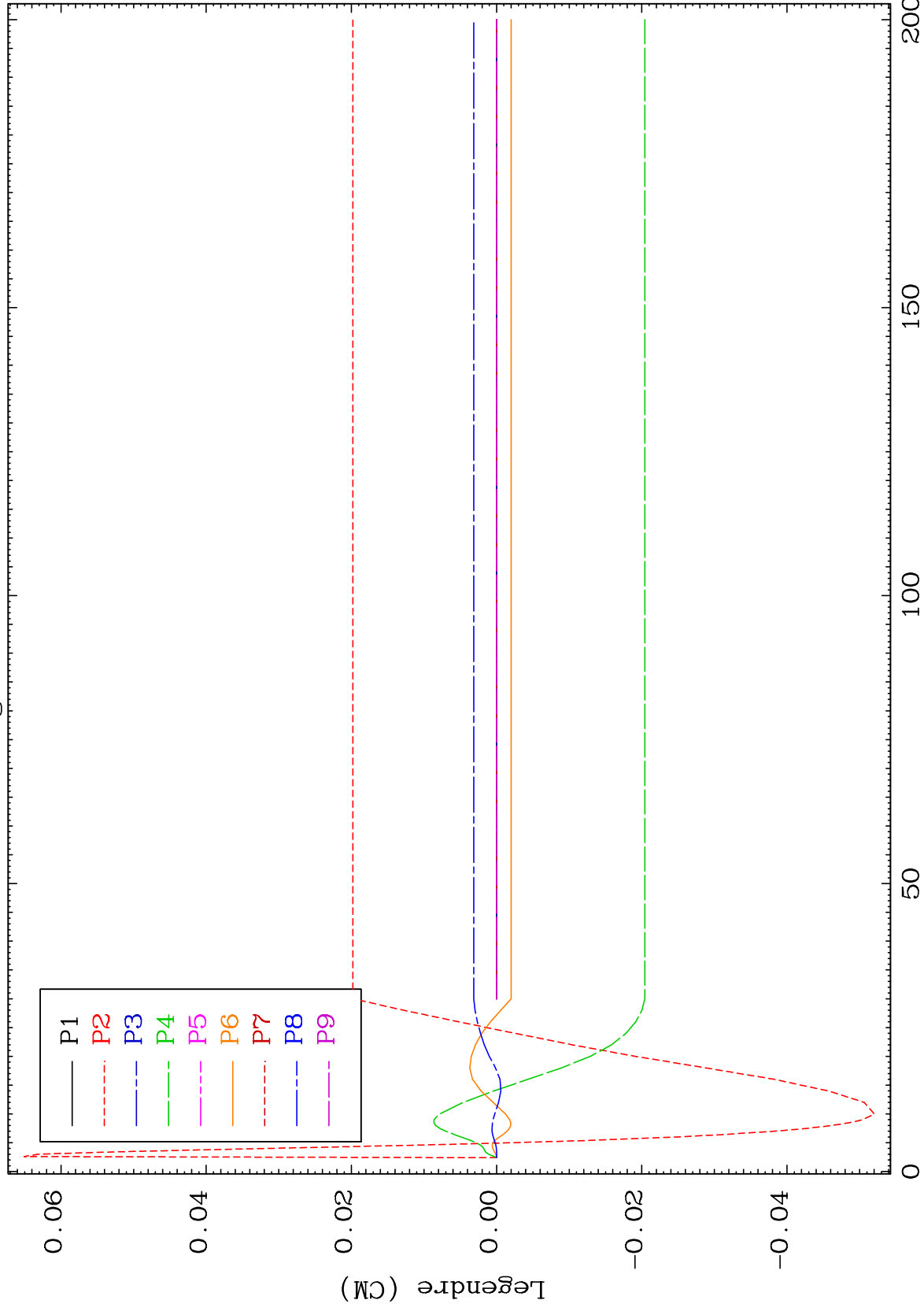




MAT 5807

2.381 MeV (n, n') Level
Legendre Coefficients

58-Ce-130



77

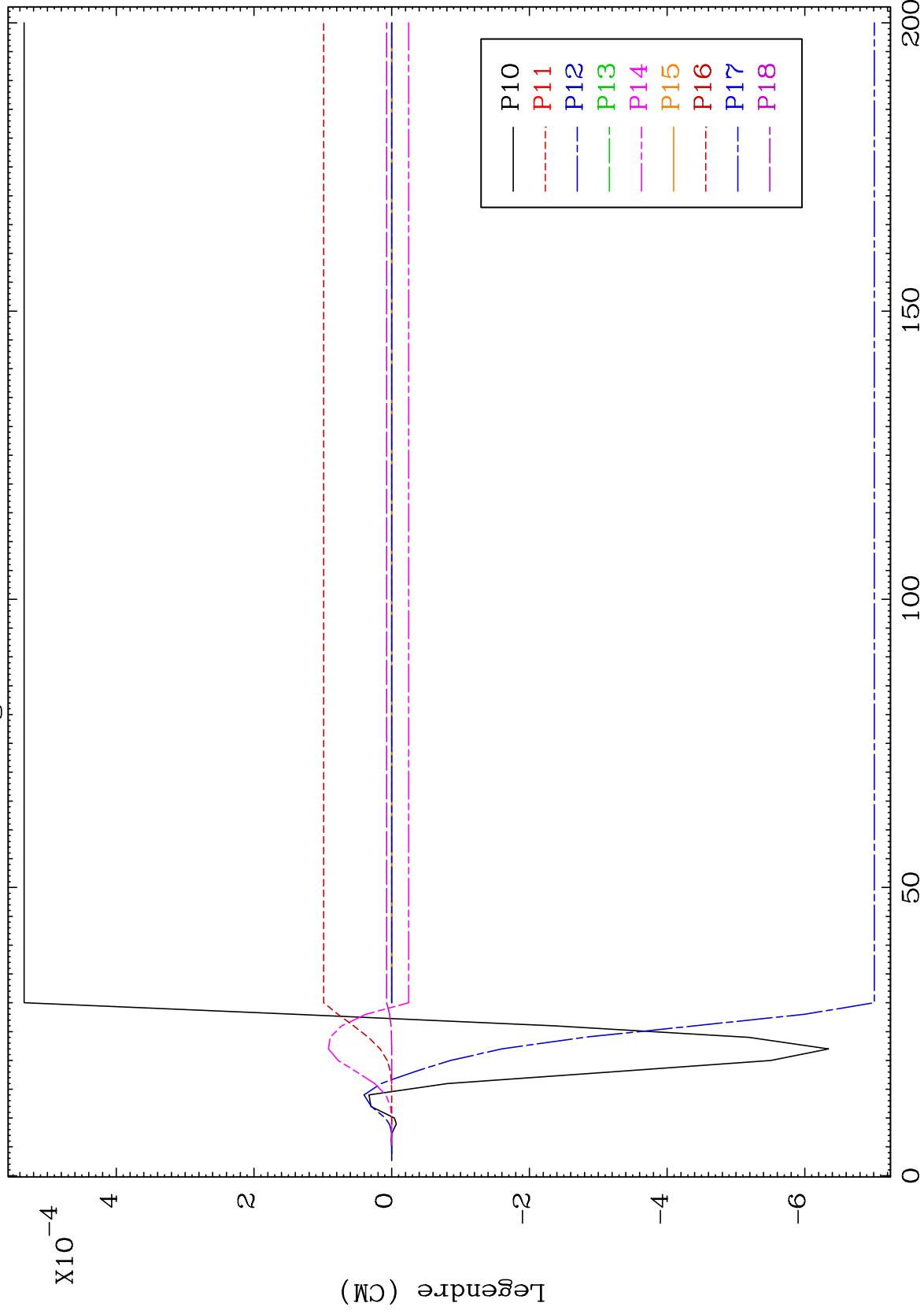
Incident Energy (MeV)

58-Ce-130

MAT 5807

2.381 MeV (n,n') Level
Legendre Coefficients

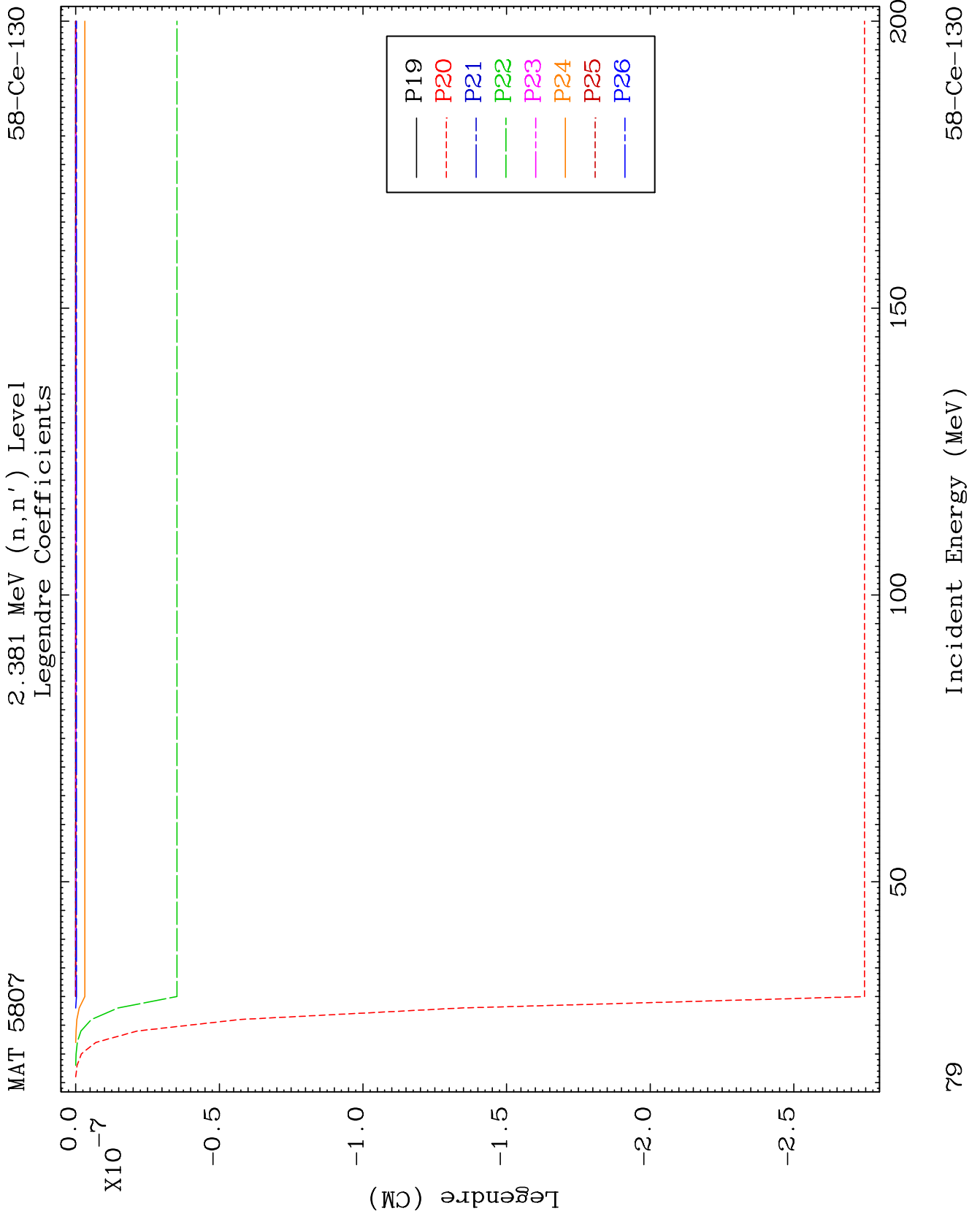
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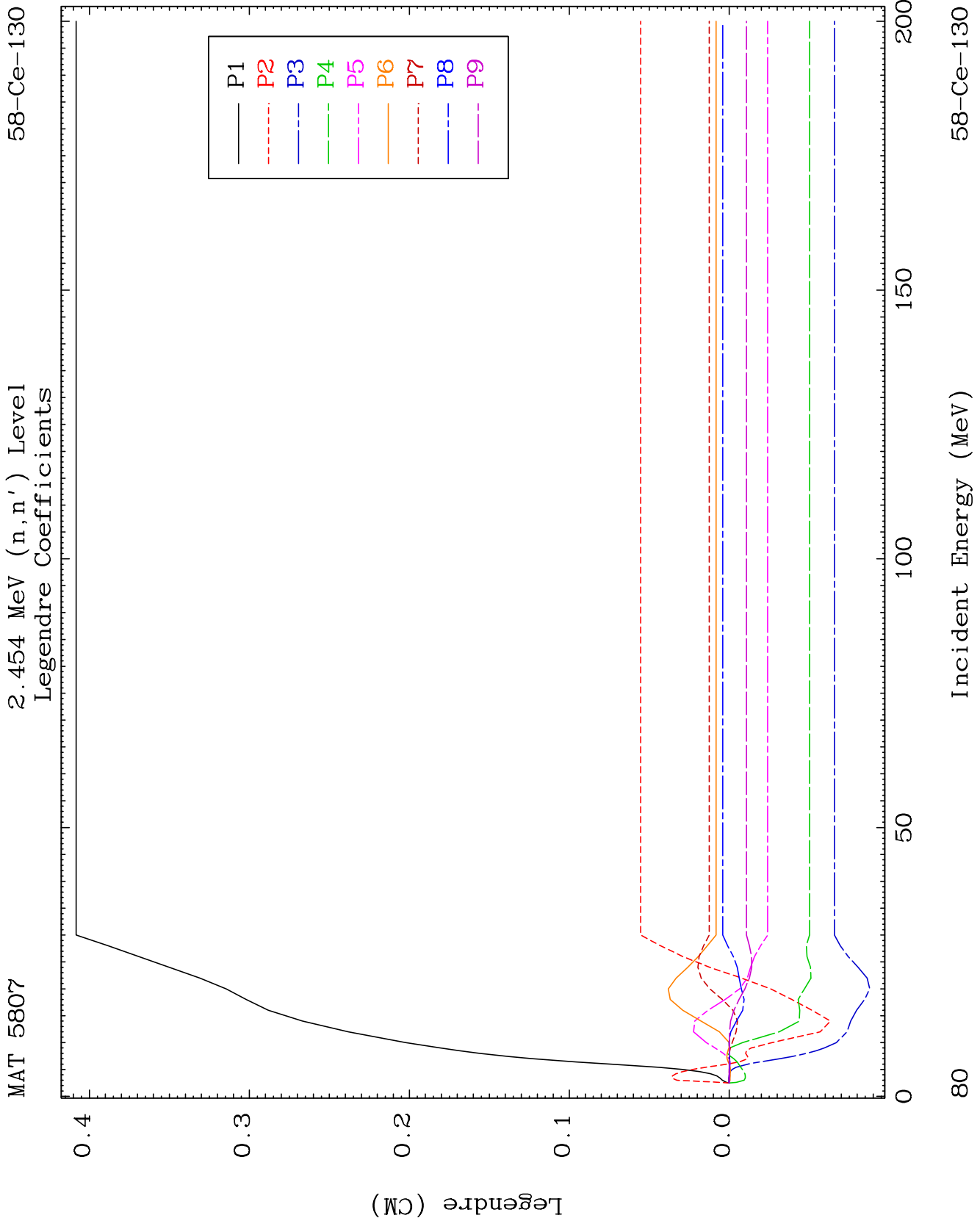


78

Incident Energy (MeV)

58-Ce-130

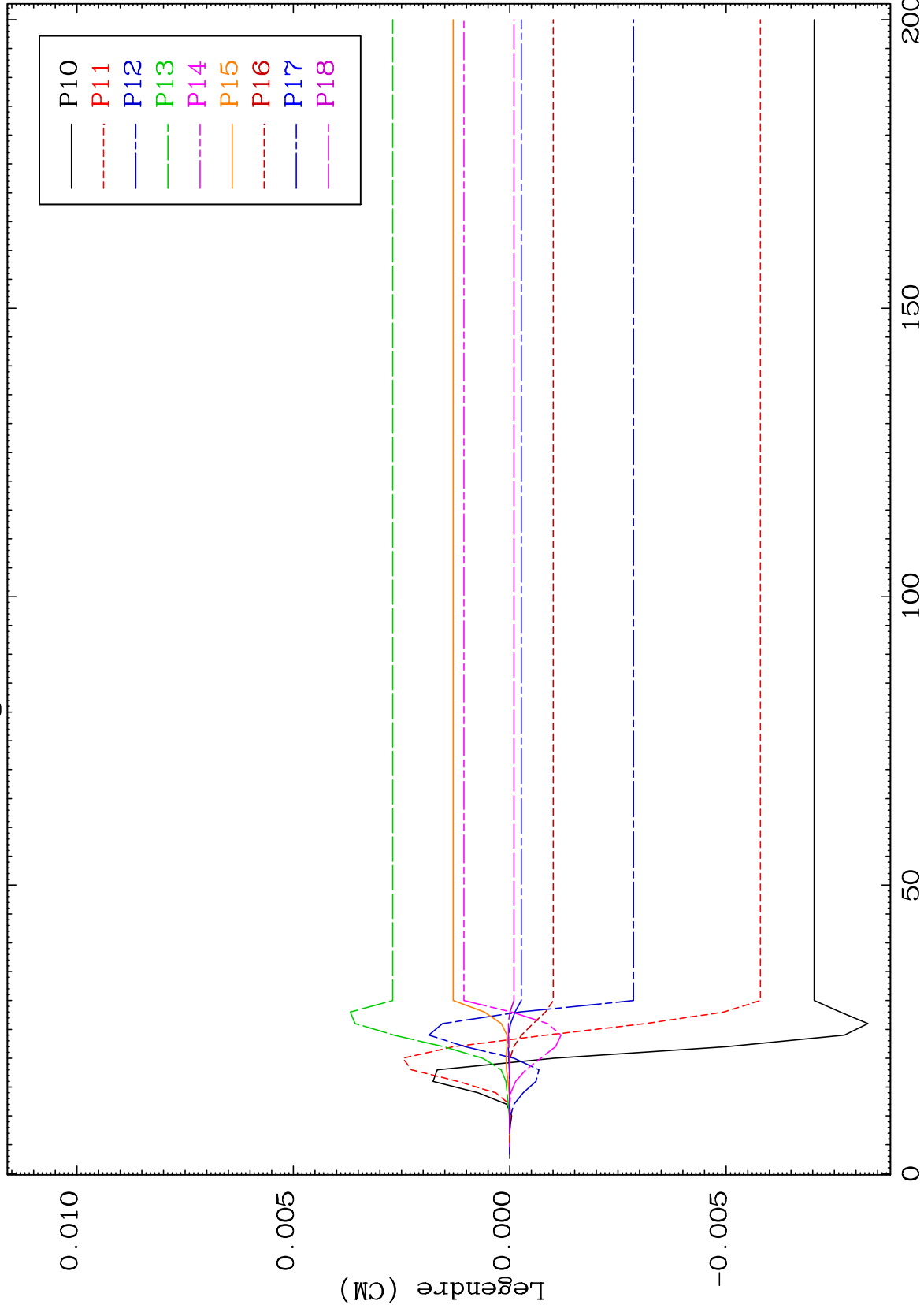




MAT 5807

2.454 MeV (n,n') Level
Legendre Coefficients

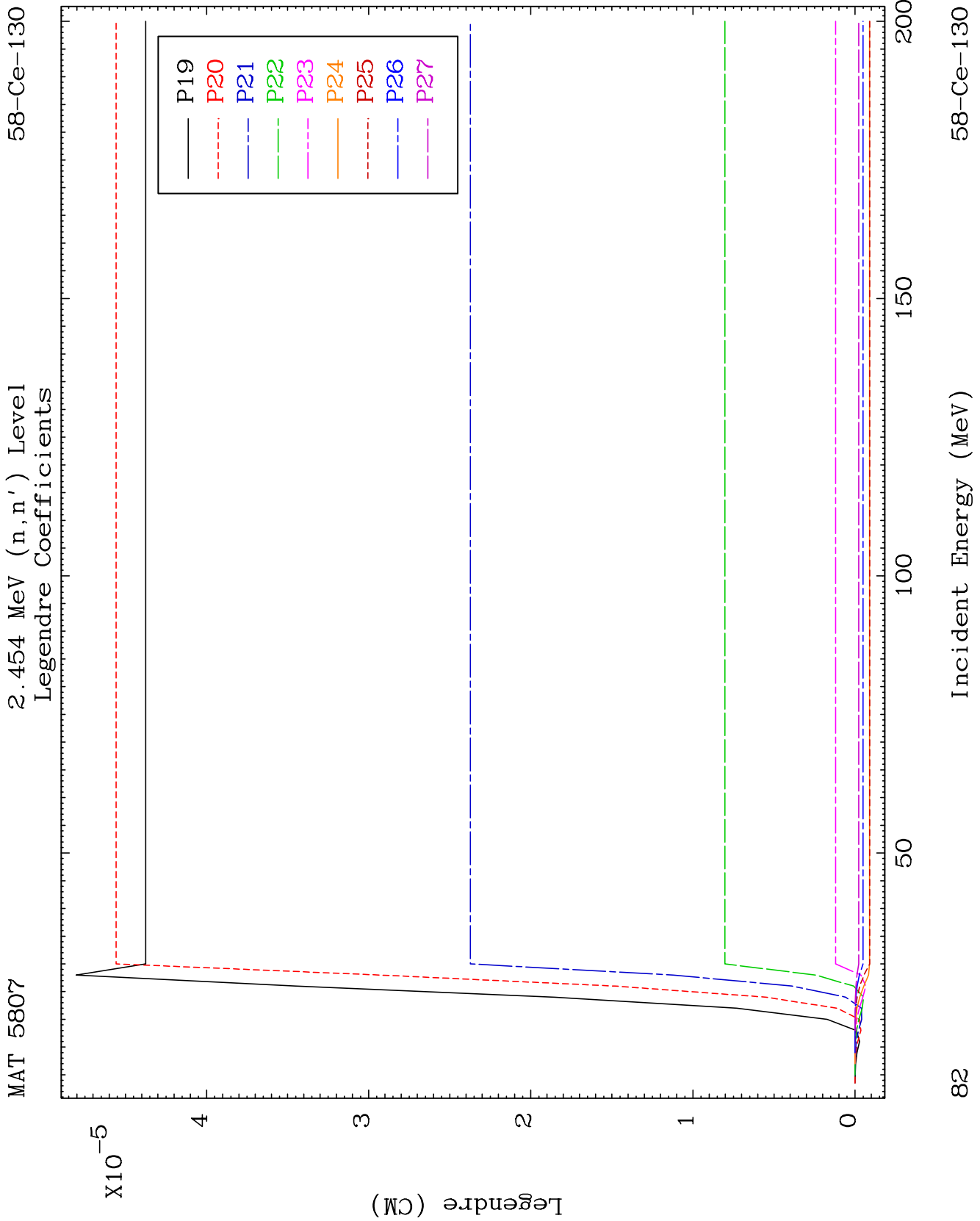
58-Ce-130

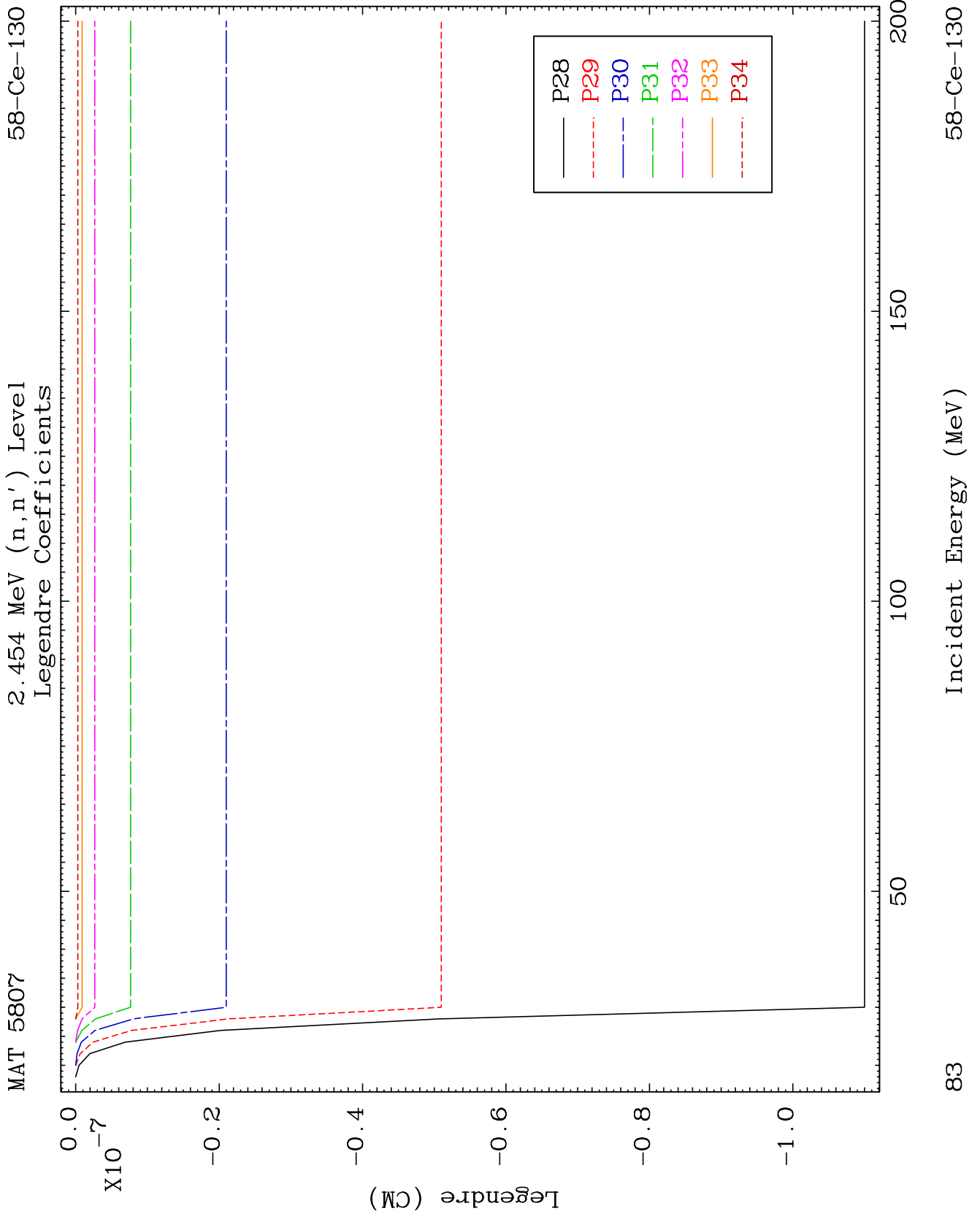


81

Incident Energy (MeV)

58-Ce-130

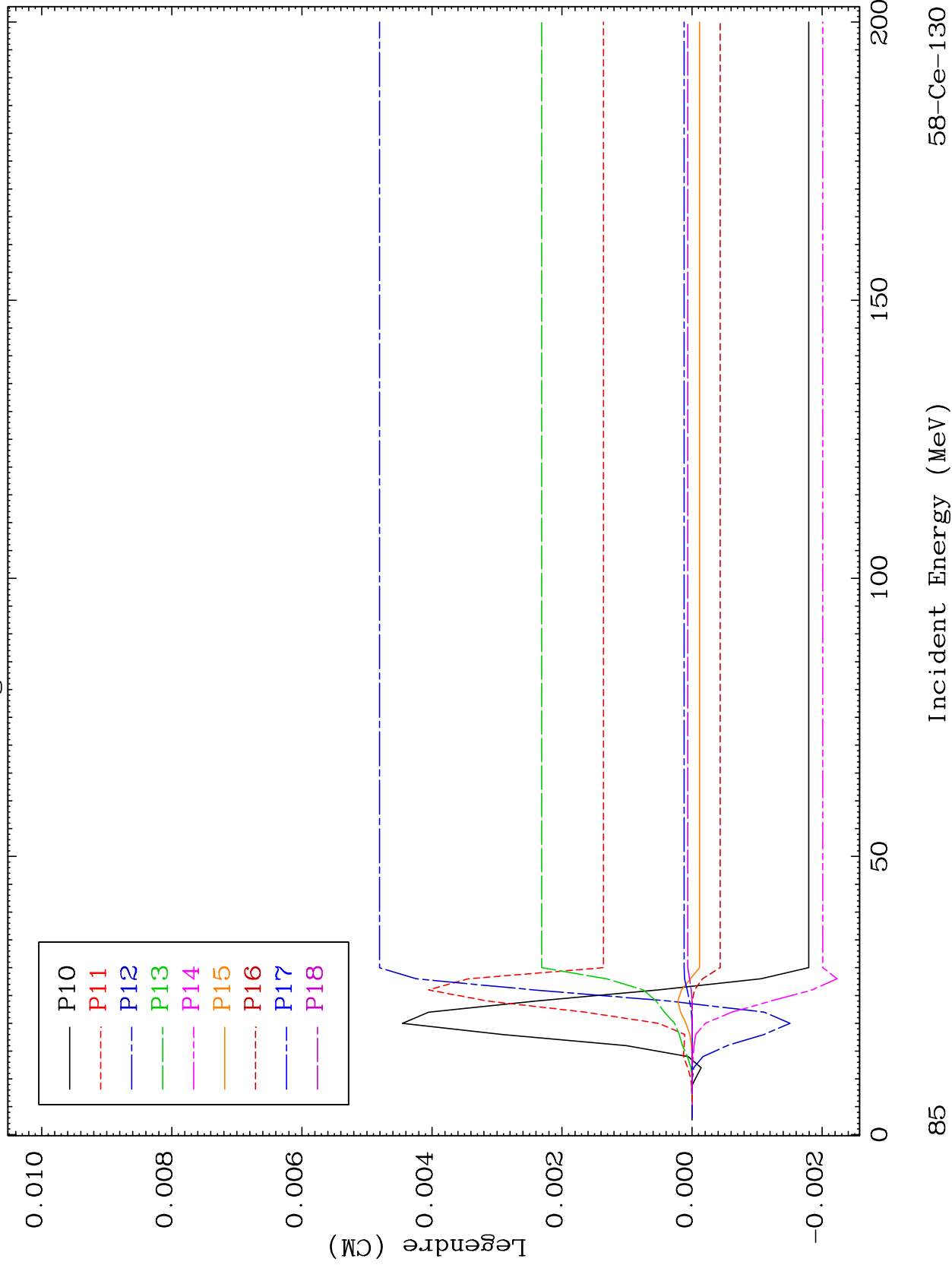




MAT 5807

2.561 MeV (n,n') Level
Legendre Coefficients

58-Ce-130



58-Ce-130

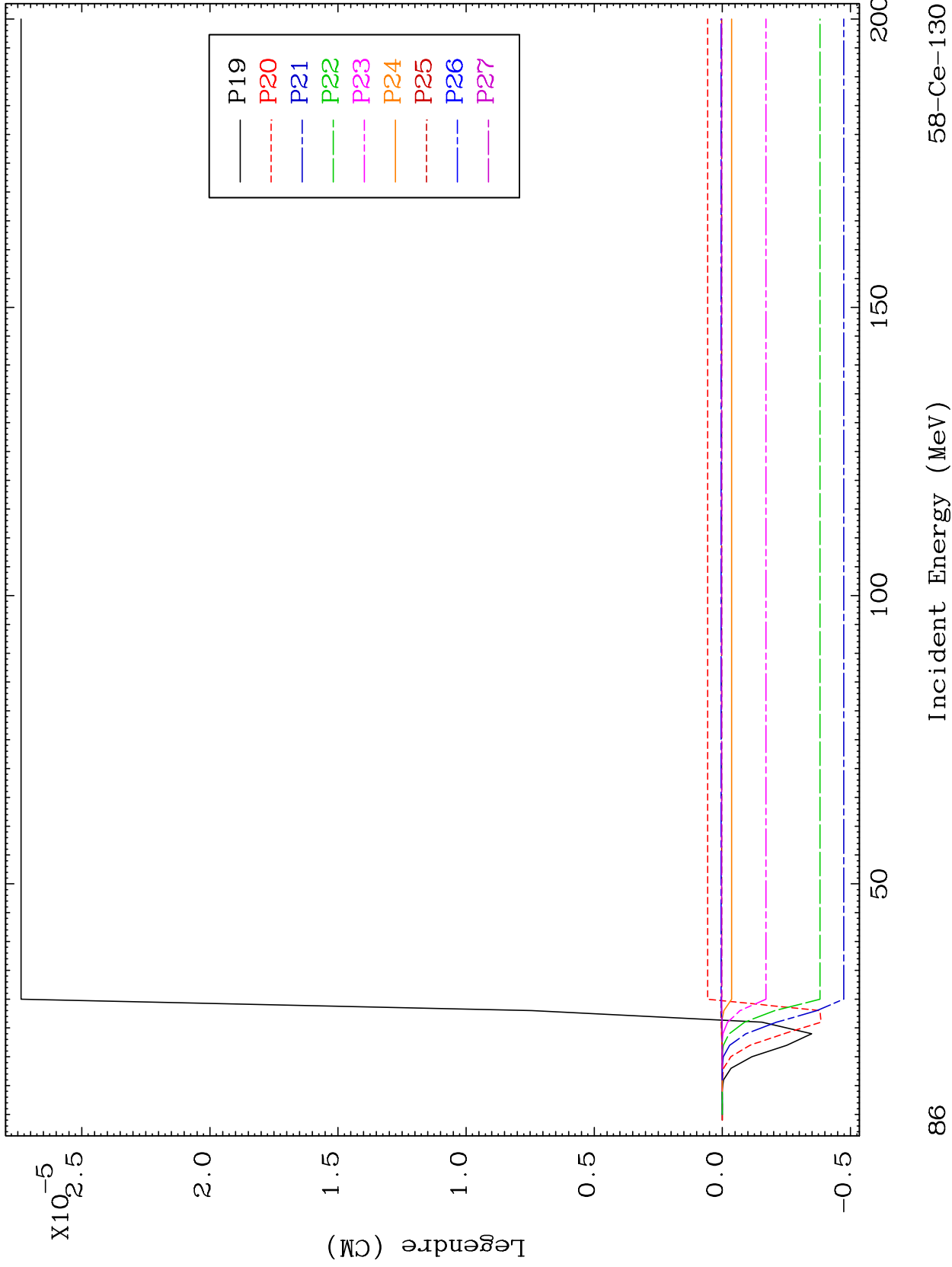
Incident Energy (MeV)

85

MAT 5807

2.561 MeV (n,n') Level
Legendre Coefficients

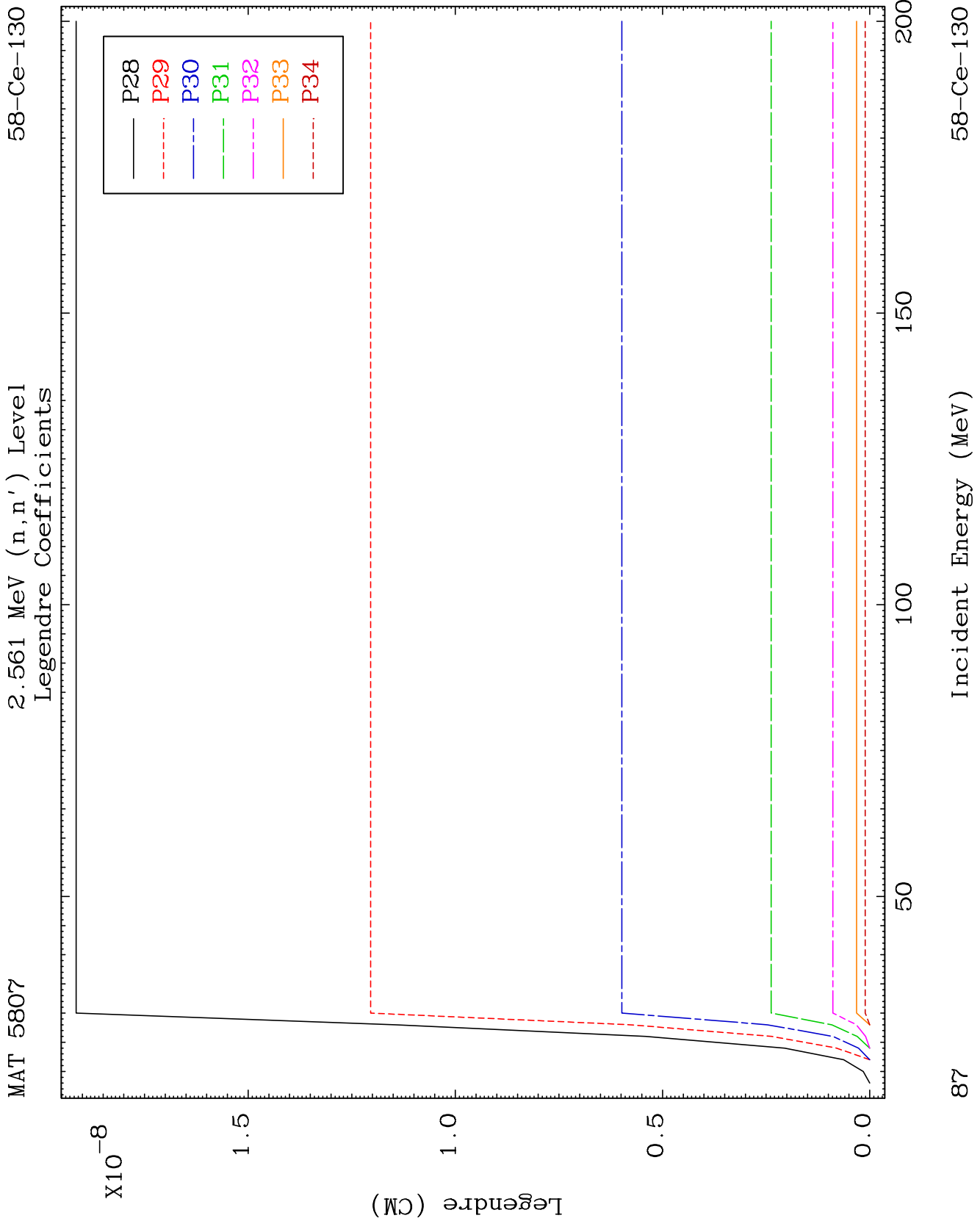
58-Ce-130

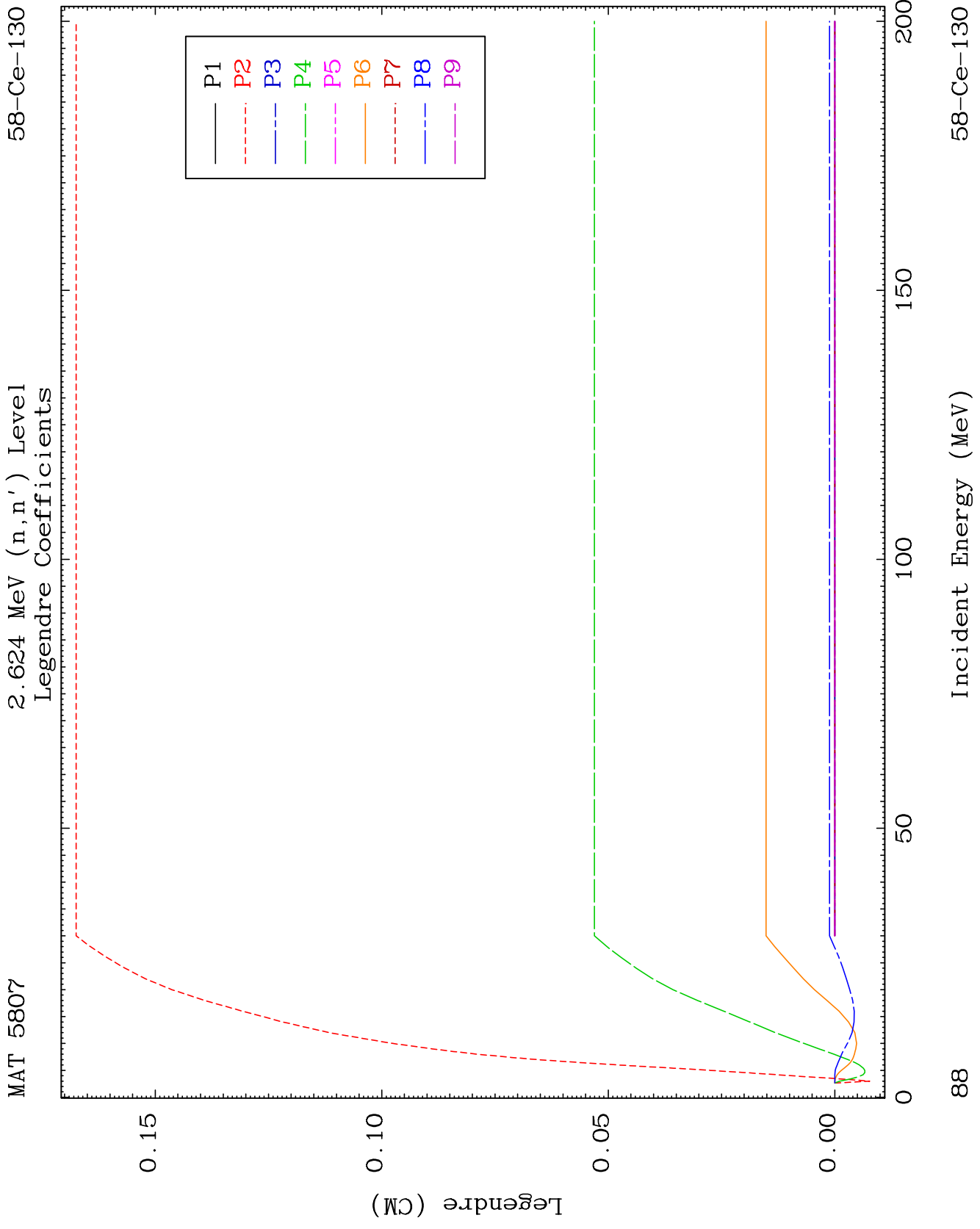


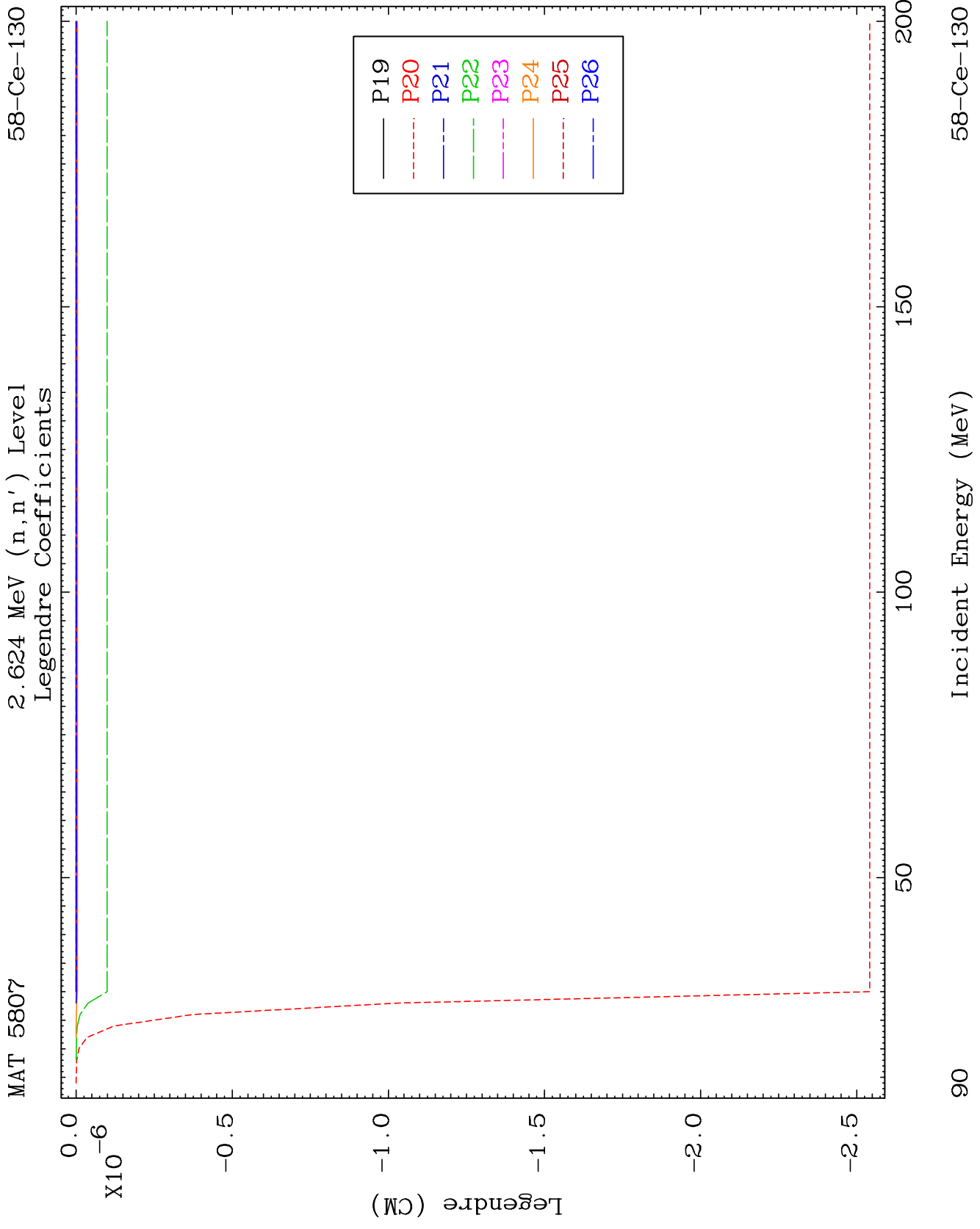
86

Incident Energy (MeV)

58-Ce-130





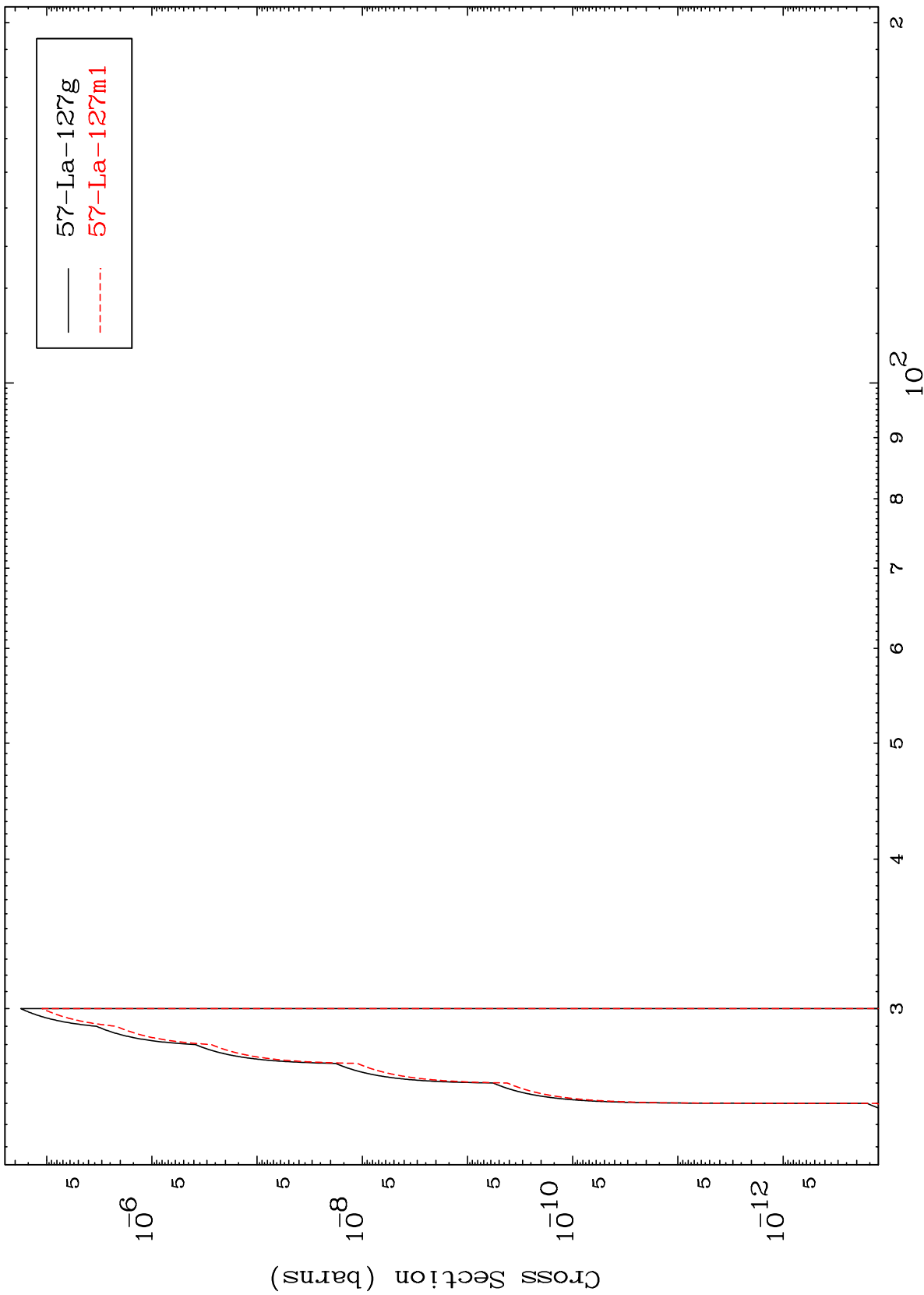


MAT 5807

(n,2n) d

58-Ce-130

Radionuclide Production Cross Section



91

Incident Energy (MeV)

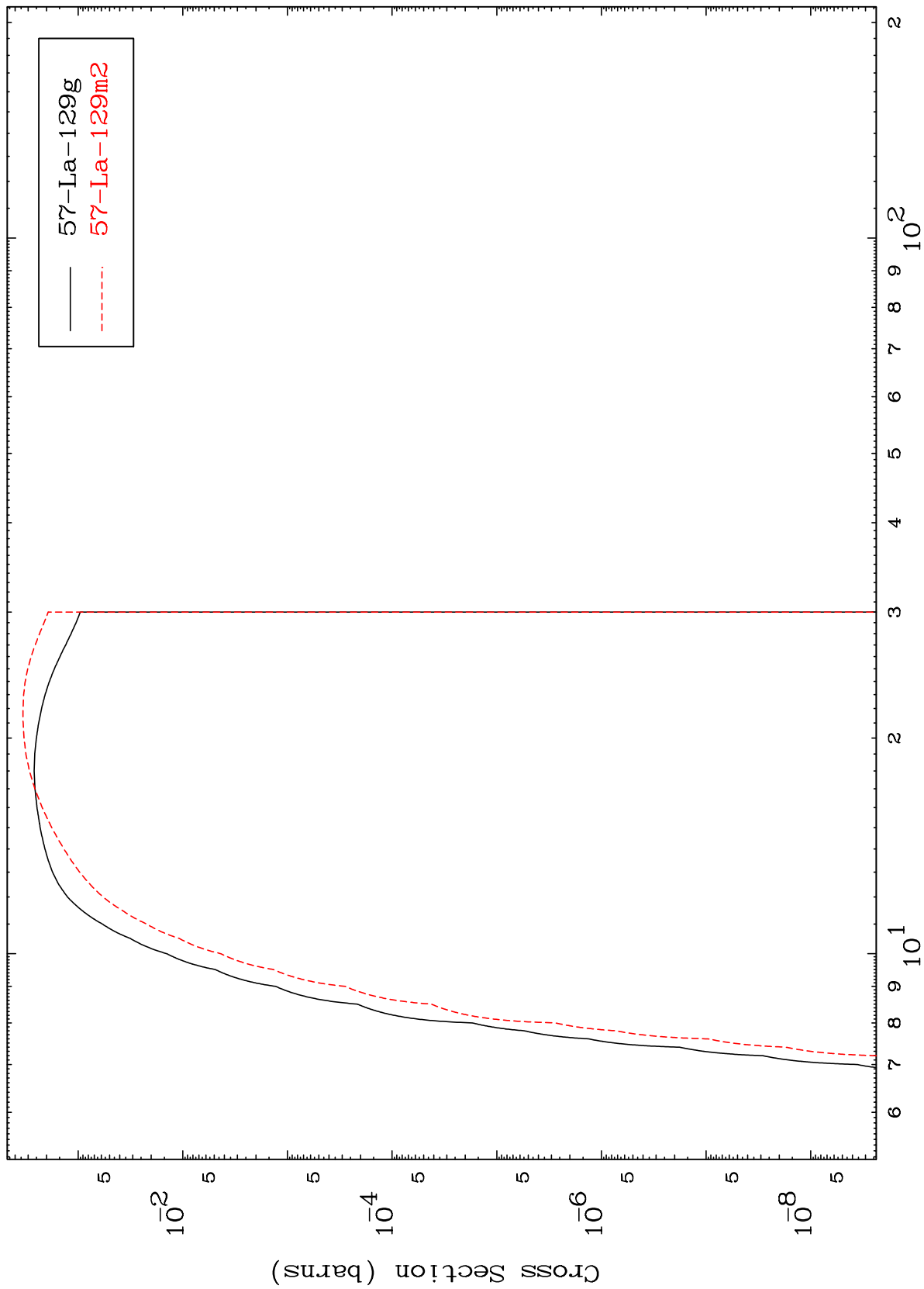
58-Ce-130

MAT 5807

(n,n') p

58-Ce-130

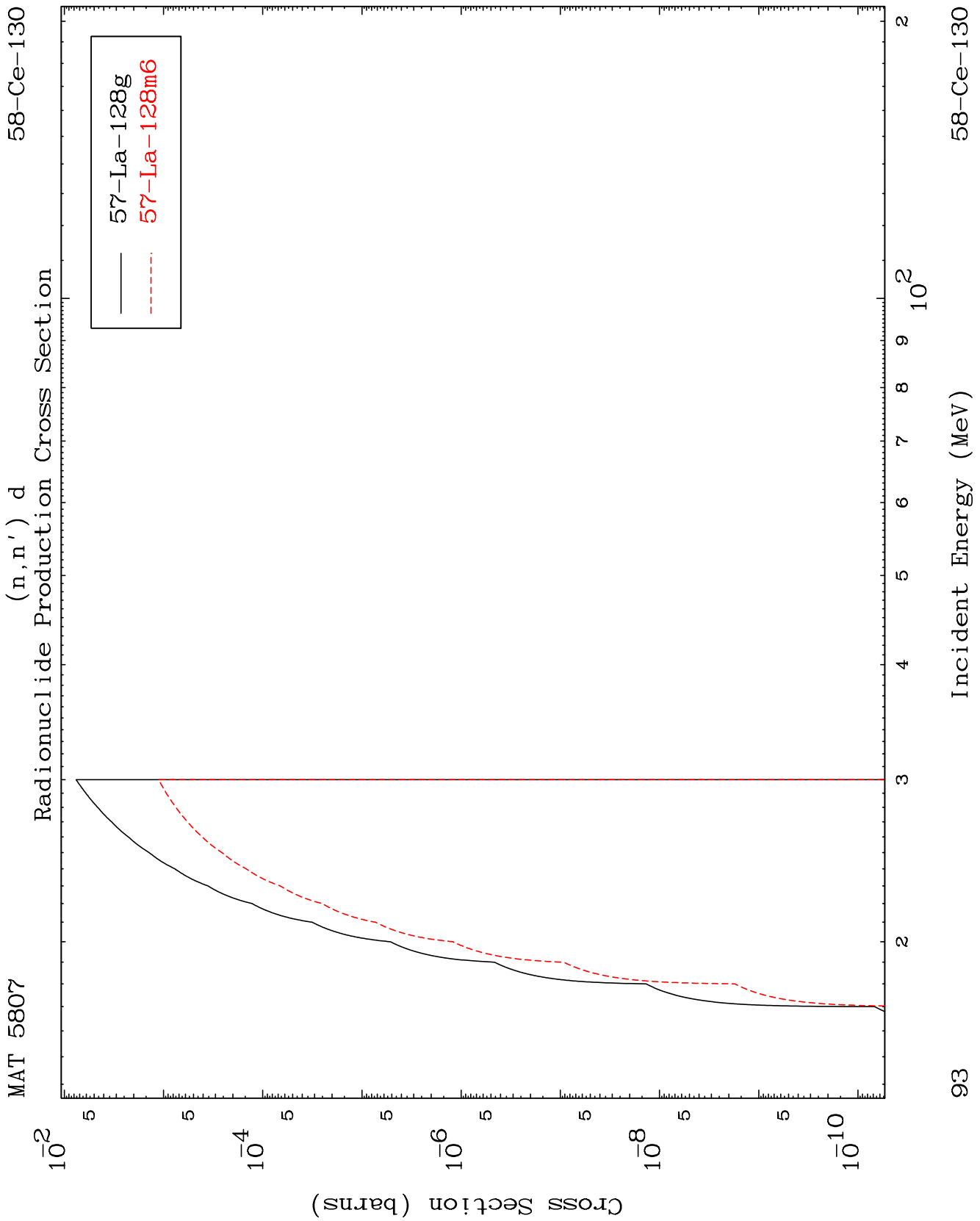
Radionuclide Production Cross Section



92

Incident Energy (MeV)

58-Ce-130

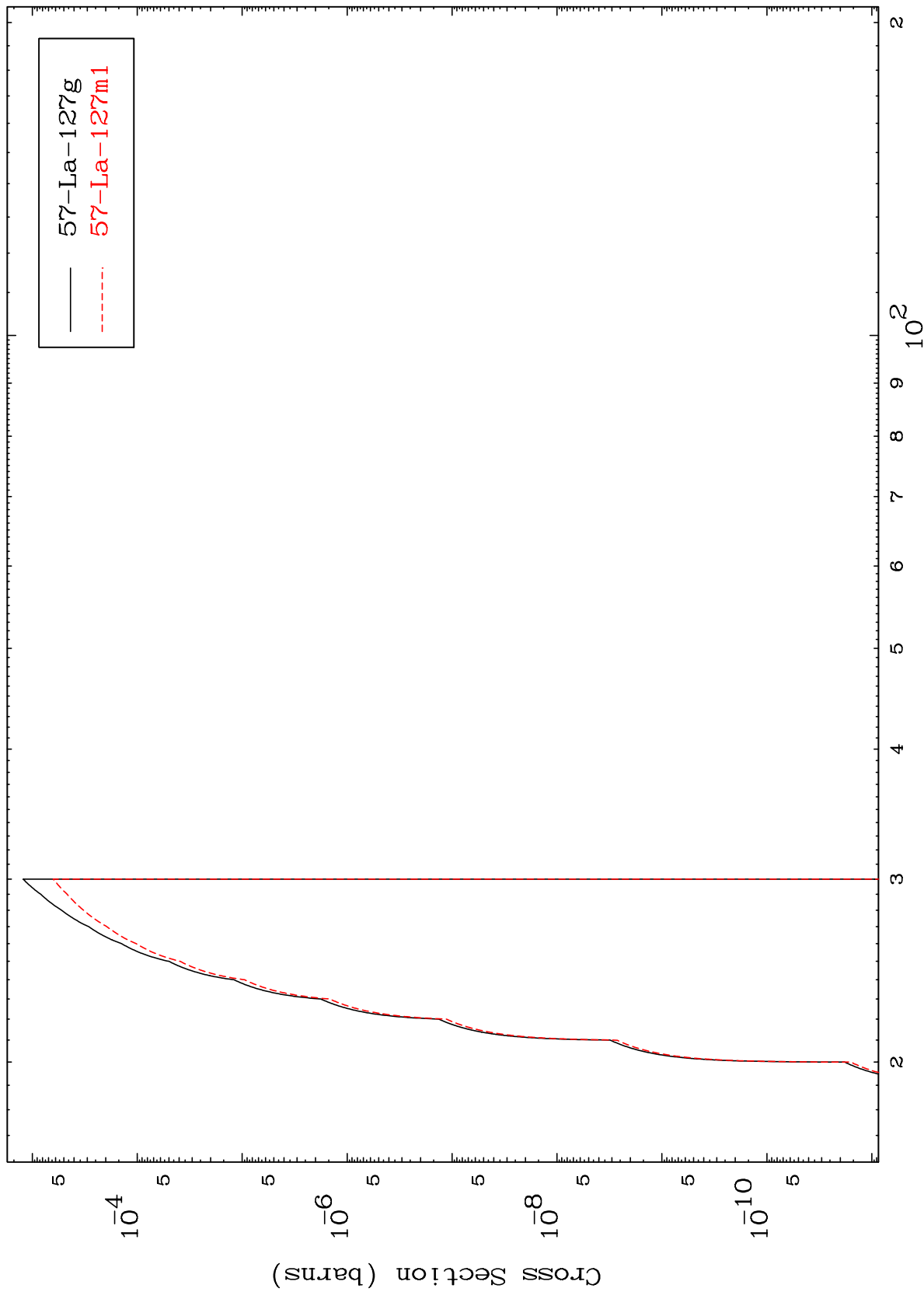


MAT 5807

(n,n') t

58-Ce-130

Radionuclide Production Cross Section



94

Incident Energy (MeV)

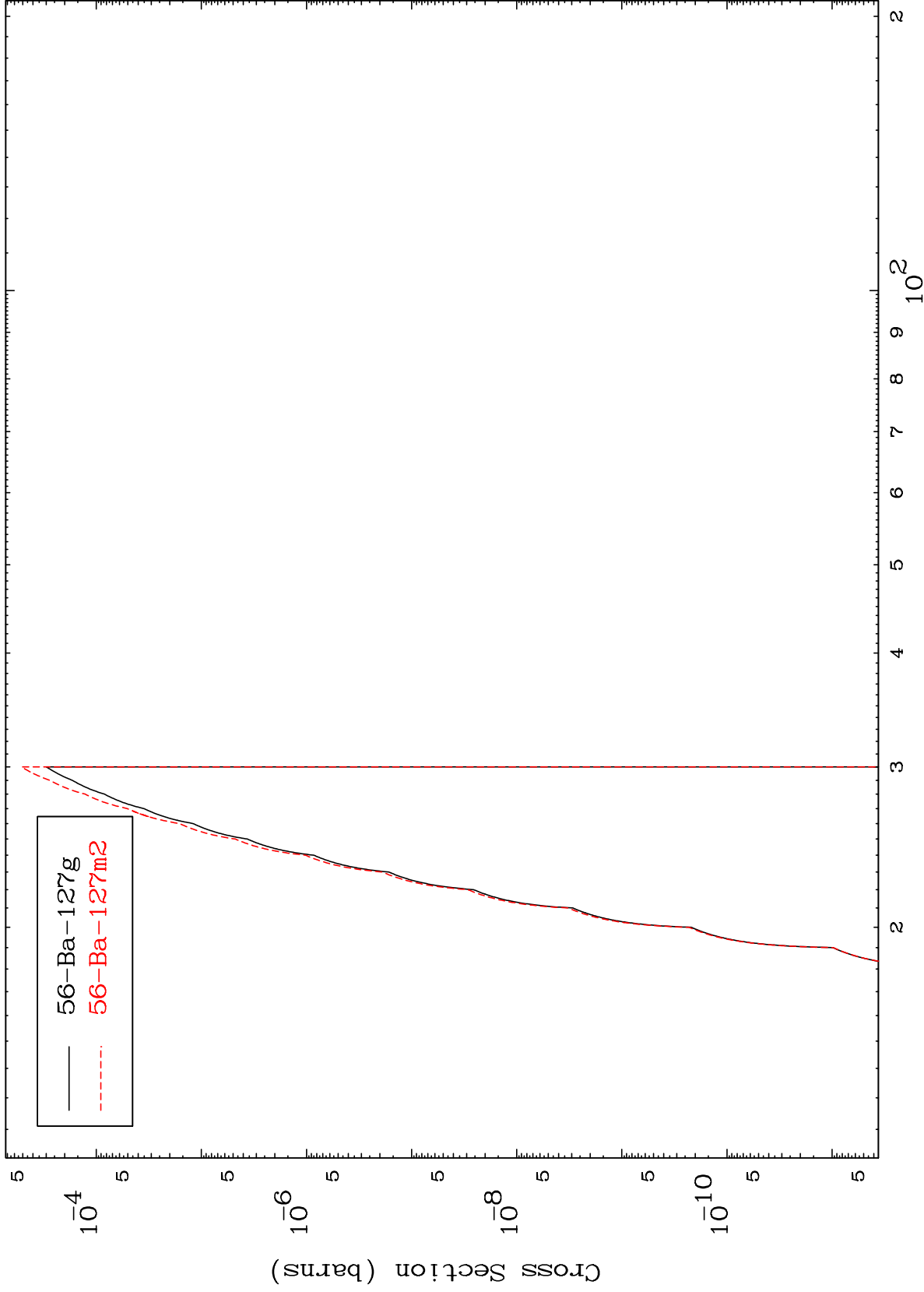
58-Ce-130

MAT 5807

(n,n') He-3

58-Ce-130

Radionuclide Production Cross Section

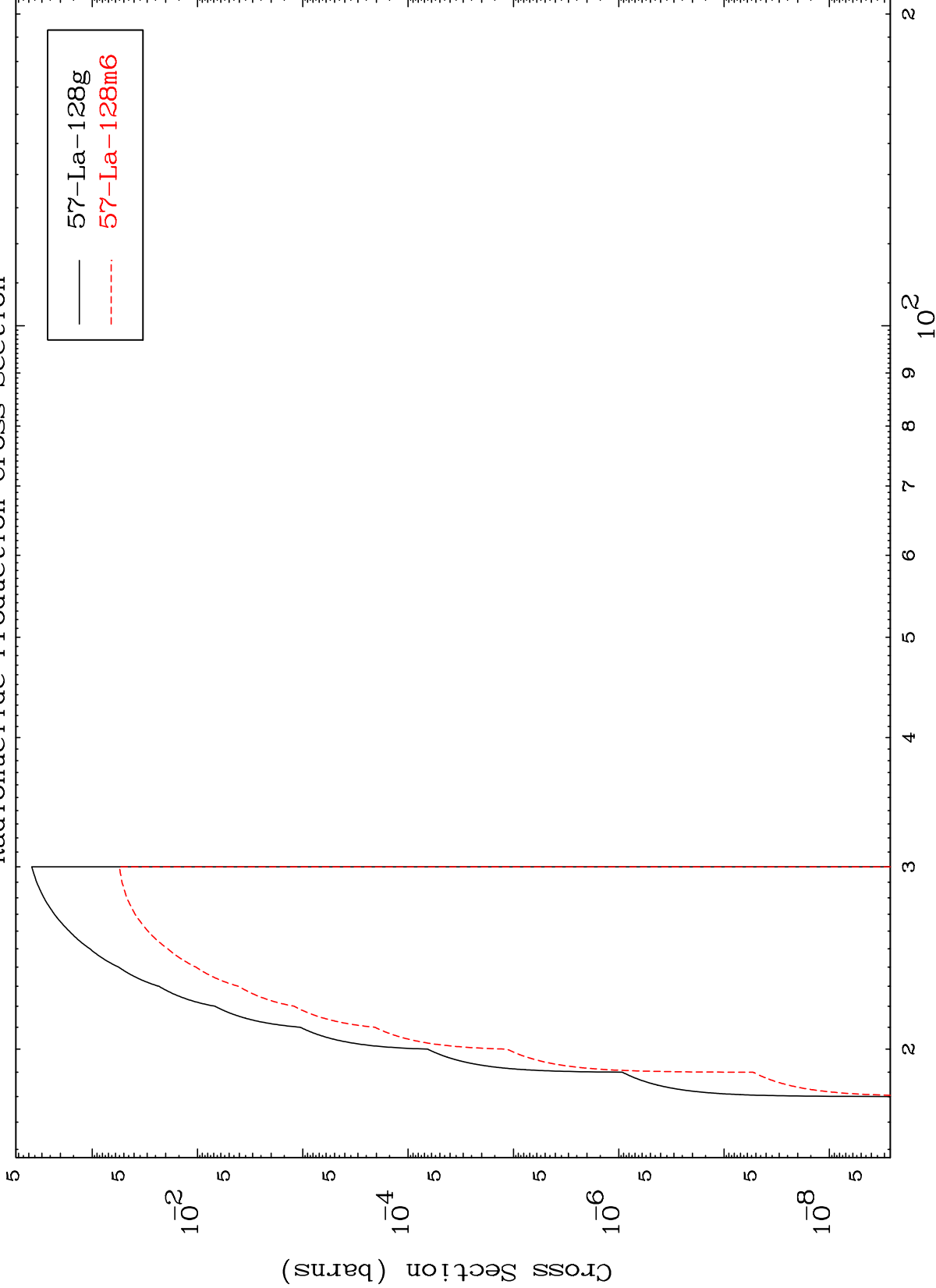


95

Incident Energy (MeV)

58-Ce-130

Radionuclide Production Cross Section

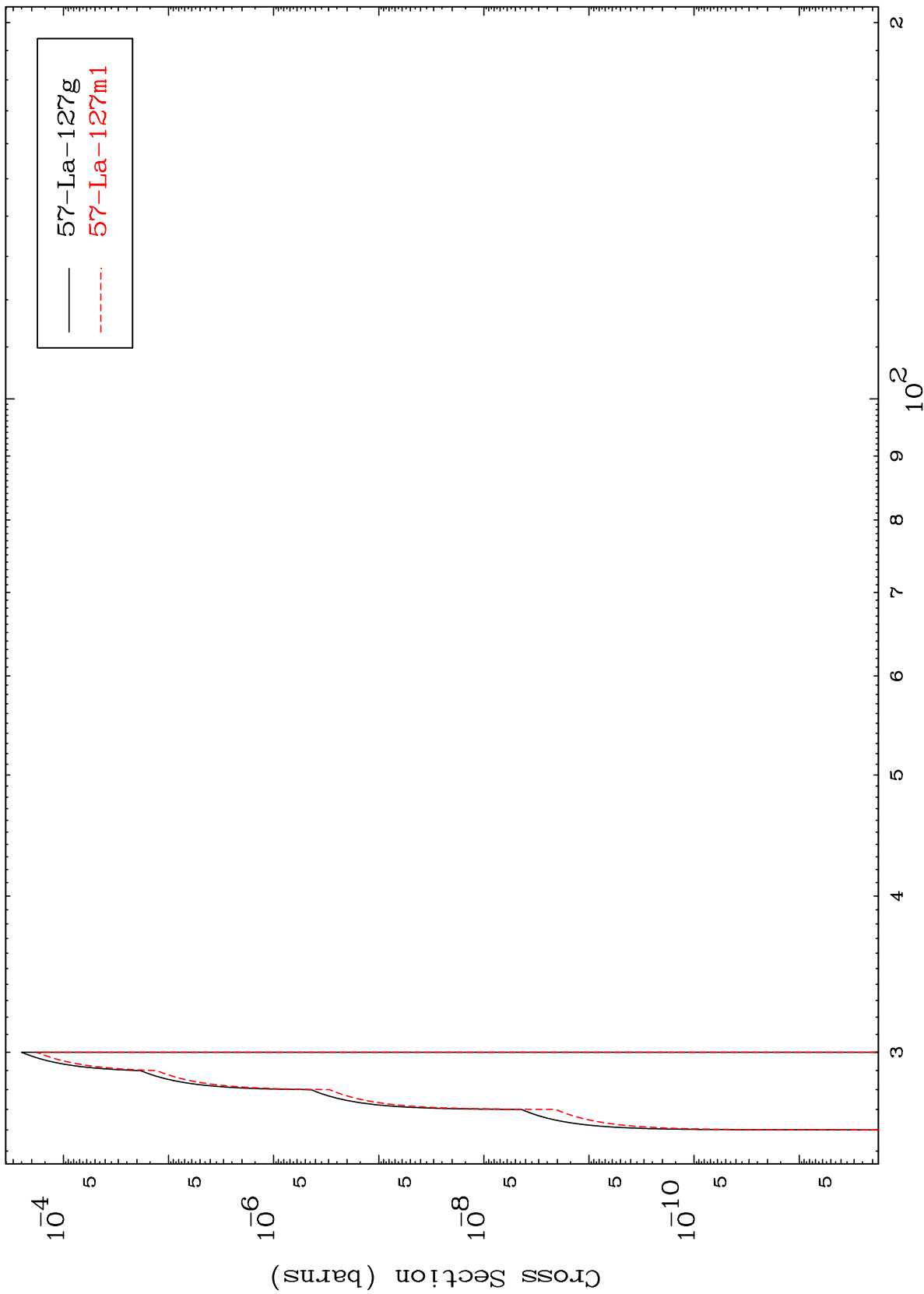


57-La-128g
57-La-128m6

MAT 5807

58-Ce-130

(n,3n) p
Radionuclide Production Cross Section



97

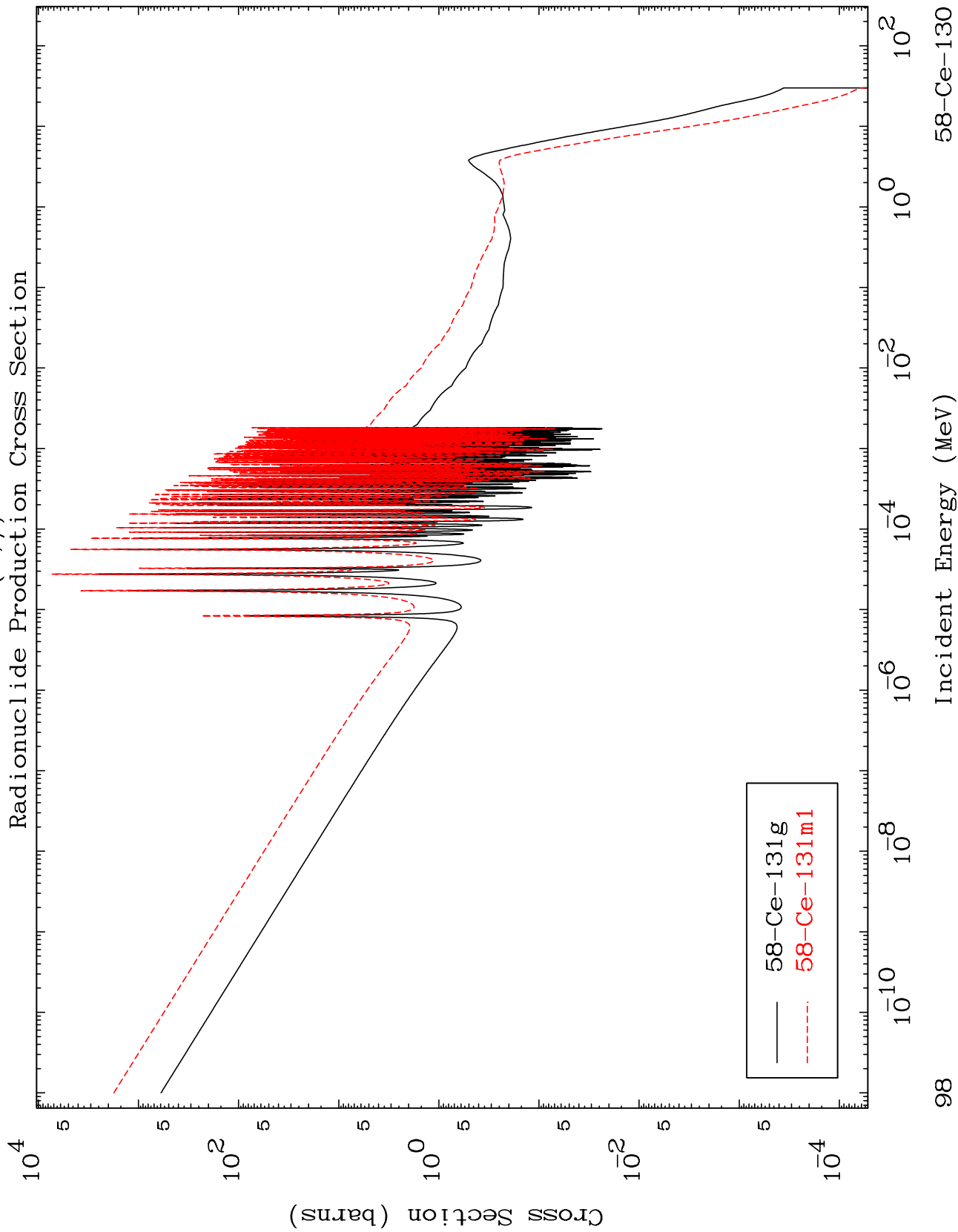
58-Ce-130

Incident Energy (MeV)

MAT 5807

58-Ce-130

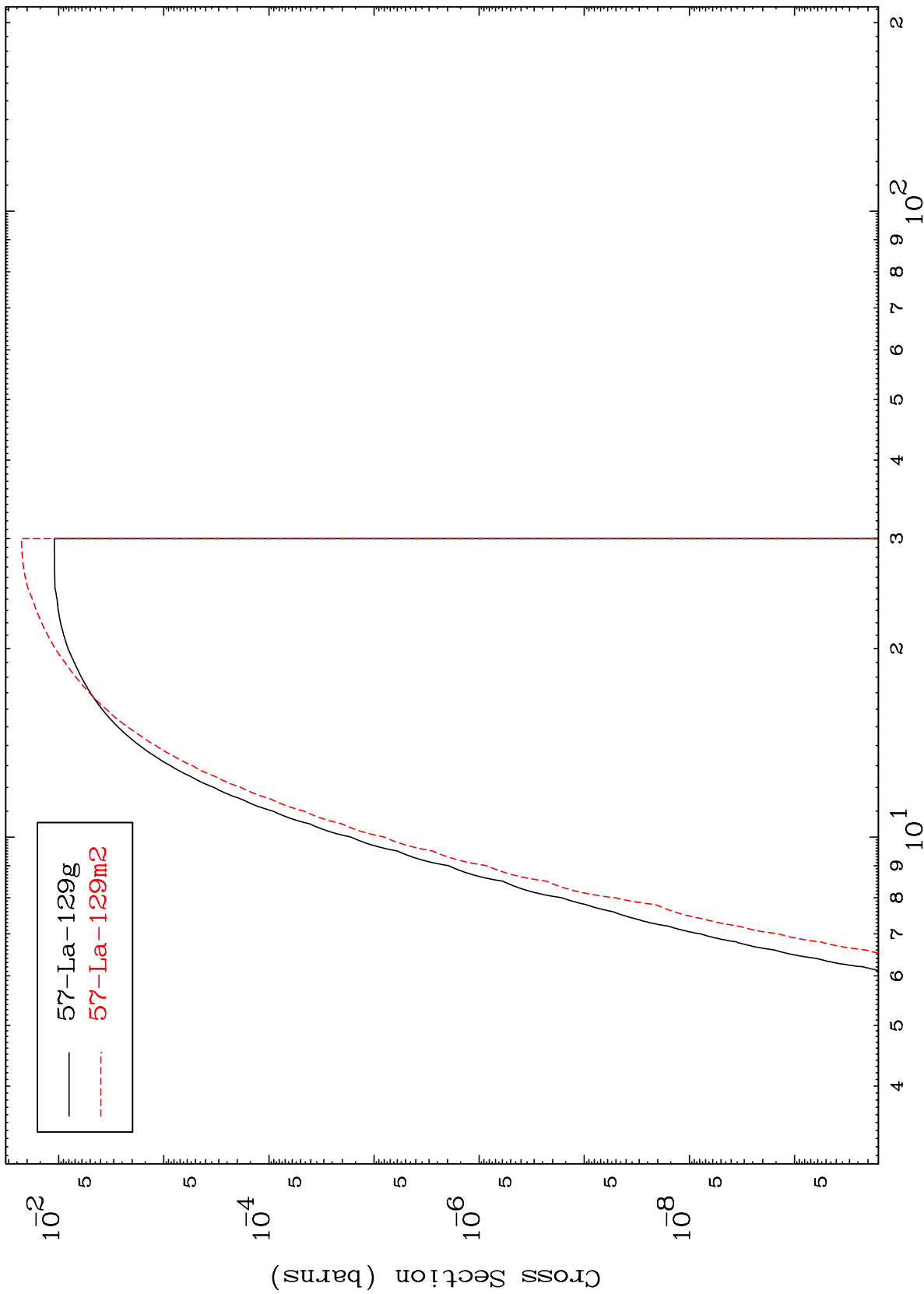
(n, γ)
Radionuclide Production Cross Section



MAT 5807

58-Ce-130

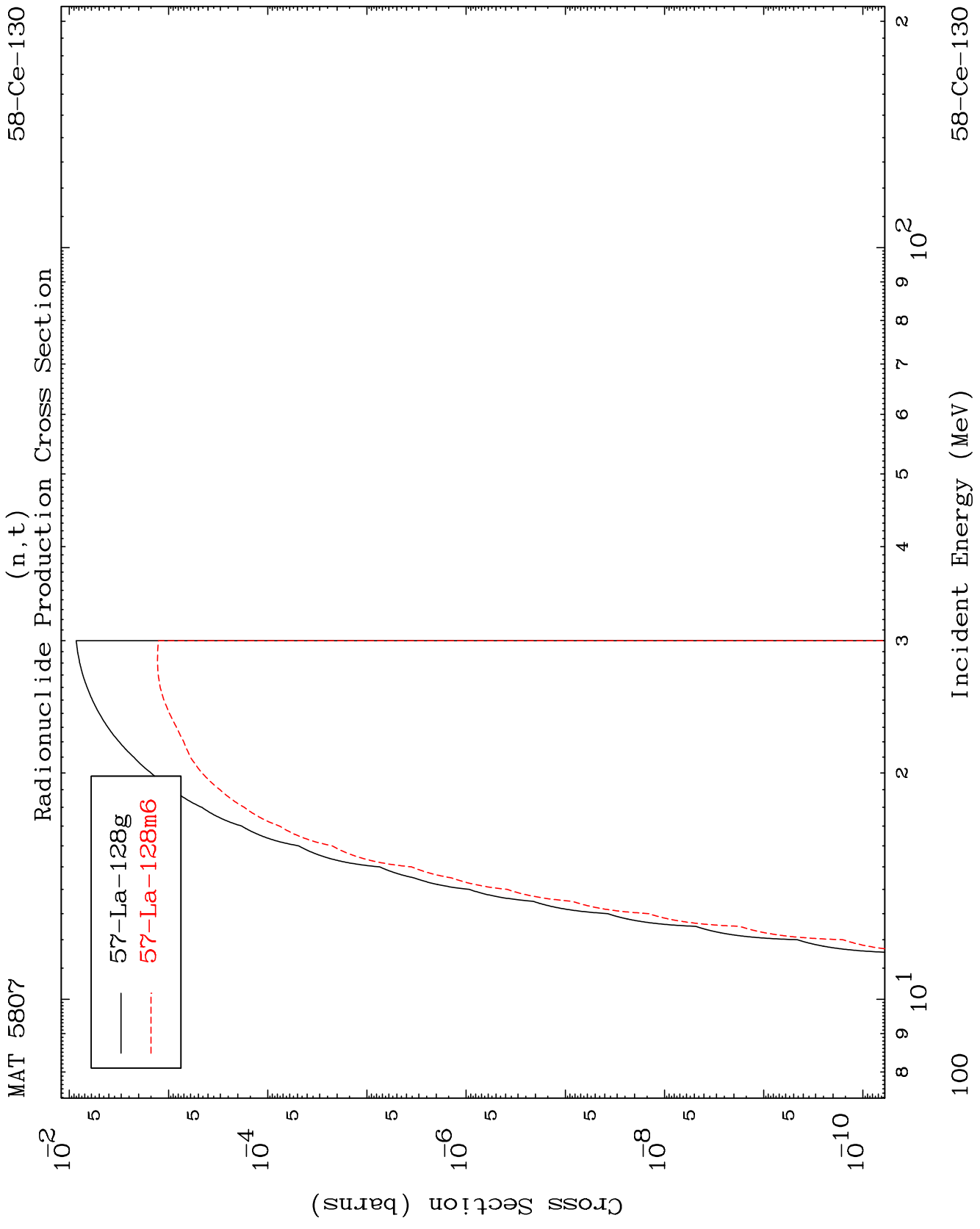
(n,d)
Radionuclide Production Cross Section



99

58-Ce-130

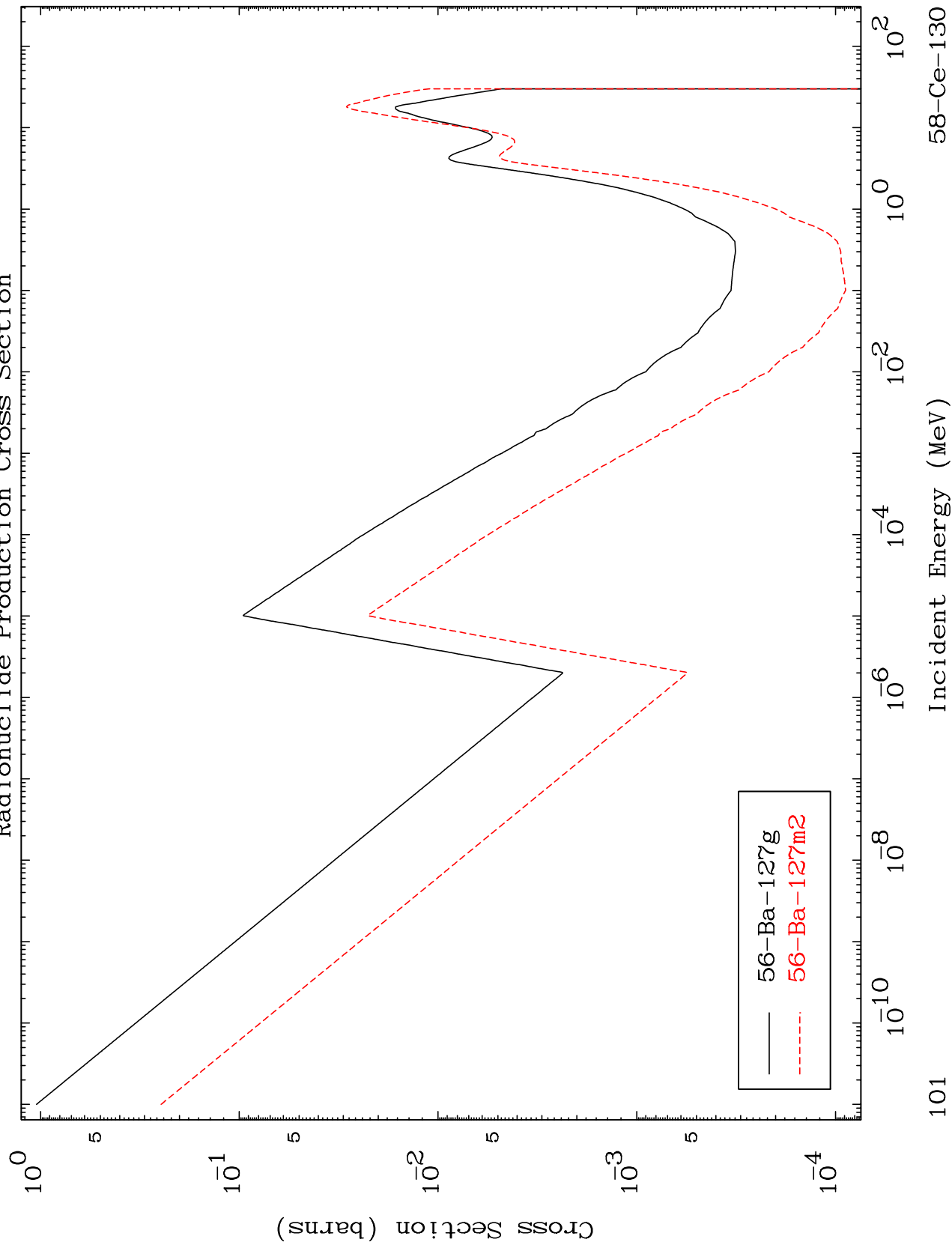
Incident Energy (MeV)



MAT 5807

58-Ce-130

(n, α)
Radionuclide Production Cross Section



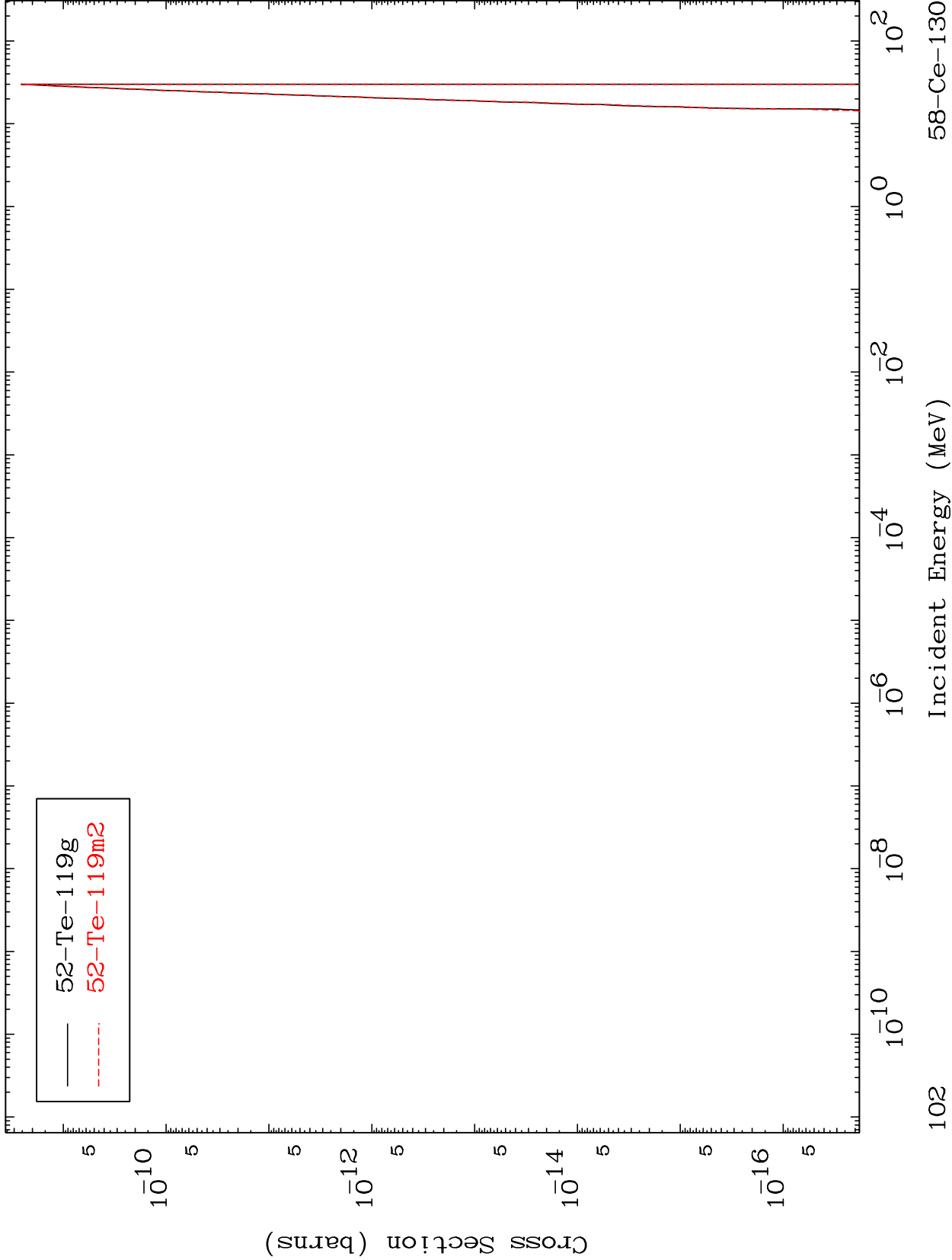
101

MAT 5807

(n,3 α)

58-Ce-130

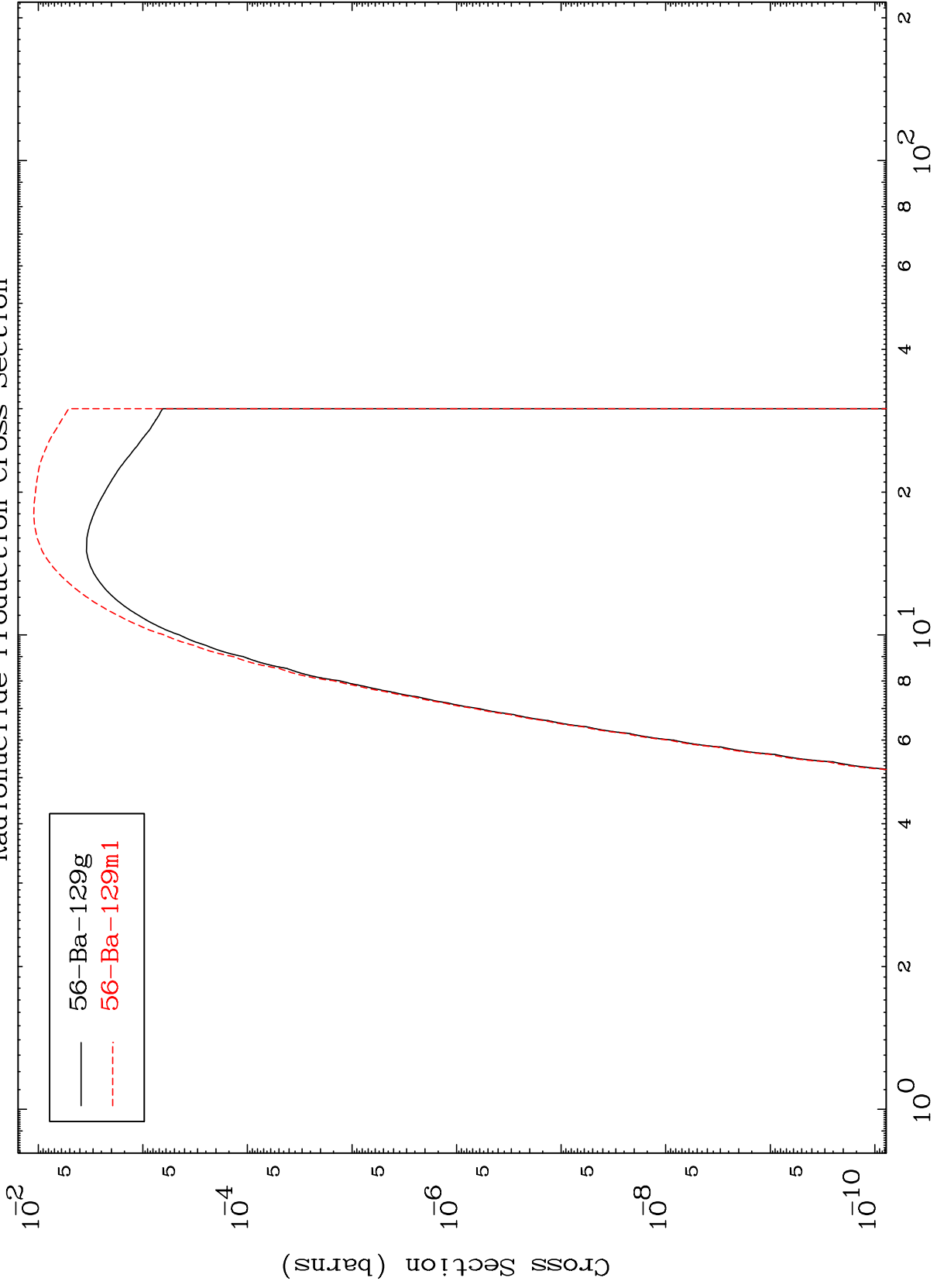
Radionuclide Production Cross Section



MAT 5807

58-Ce-130

(n,2p)
Radionuclide Production Cross Section



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

58-Ce-130

Incident Energy (MeV)

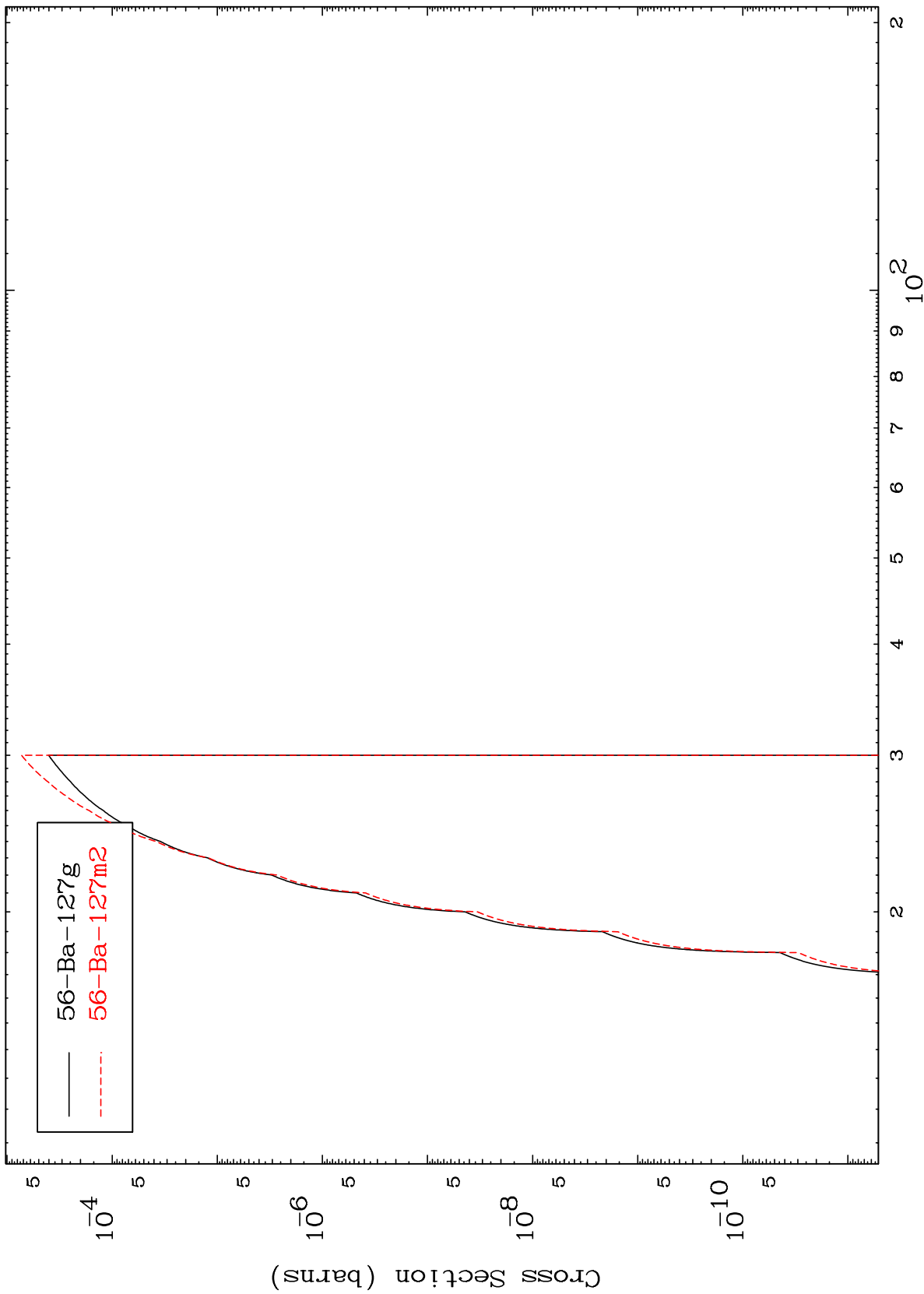
103

MAT 5807

(n,p) t

58-Ce-130

Radionuclide Production Cross Section



104

Incident Energy (MeV)

58-Ce-130