

Program EVALPLOT
(Version 2021-1)

by

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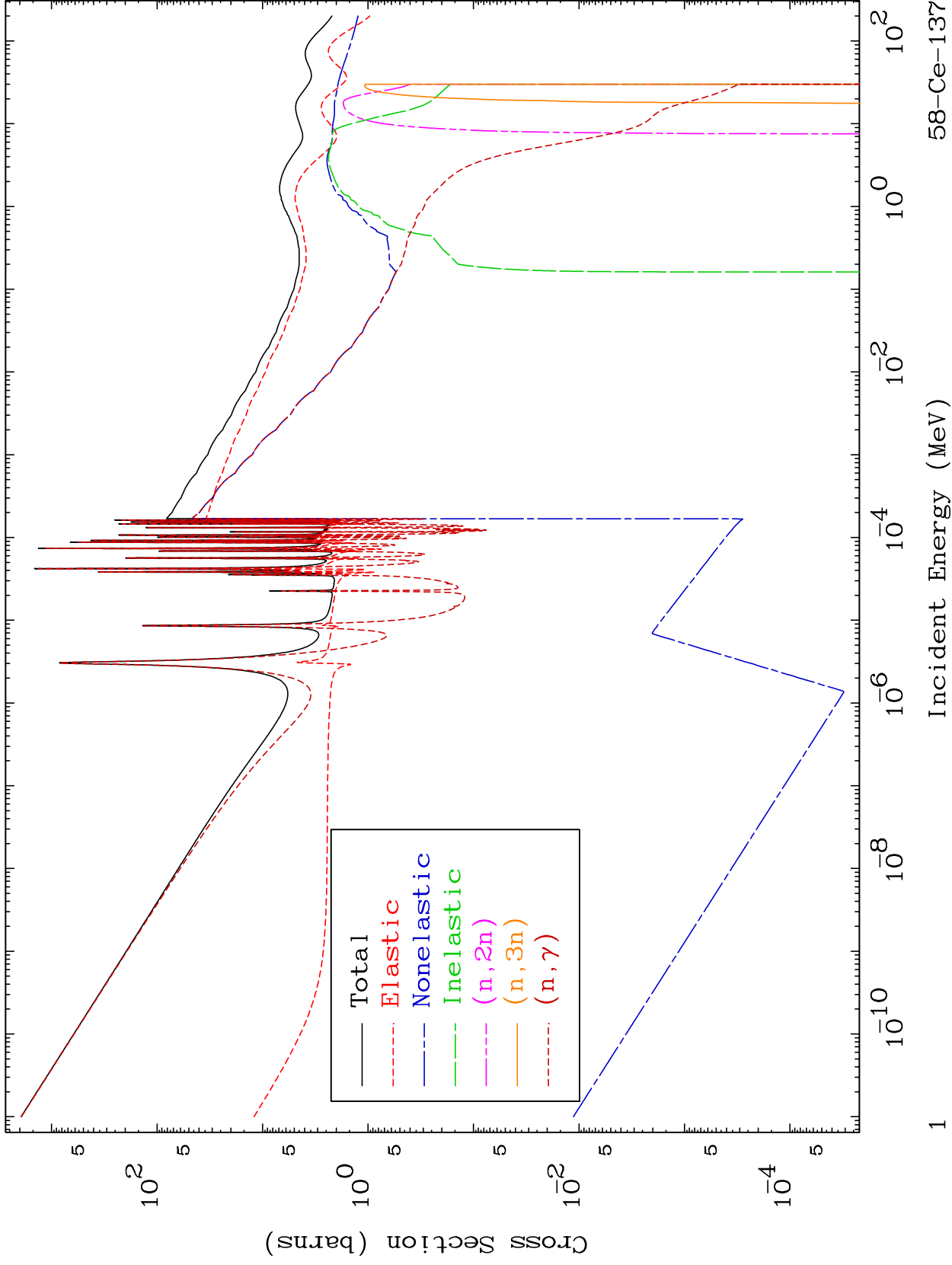
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5828

Neutron Major
293 Kelvin Cross Sections

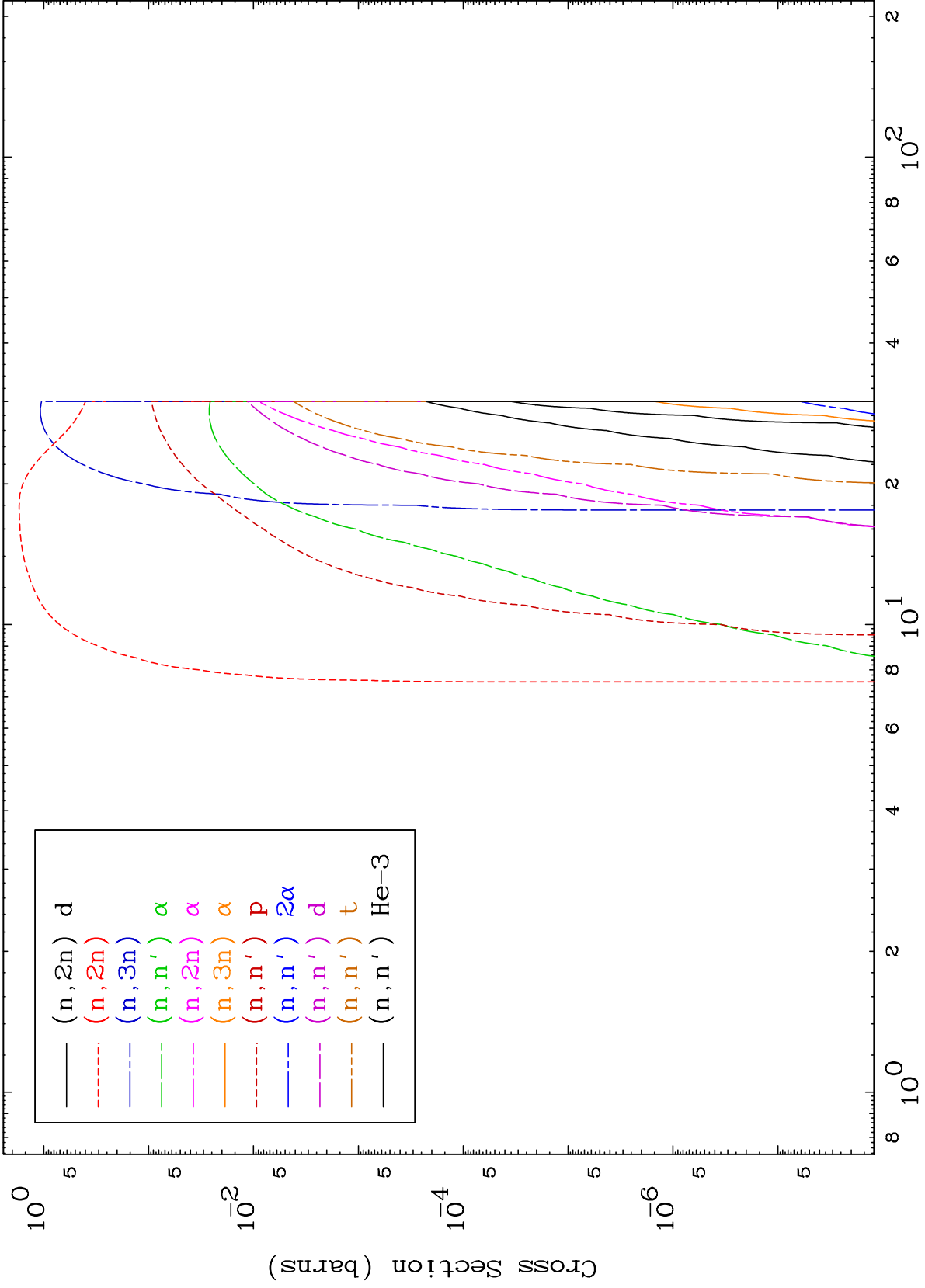
58-Ce-137



MAT 5828

Neutron Absorption
293 Kelvin Cross Sections

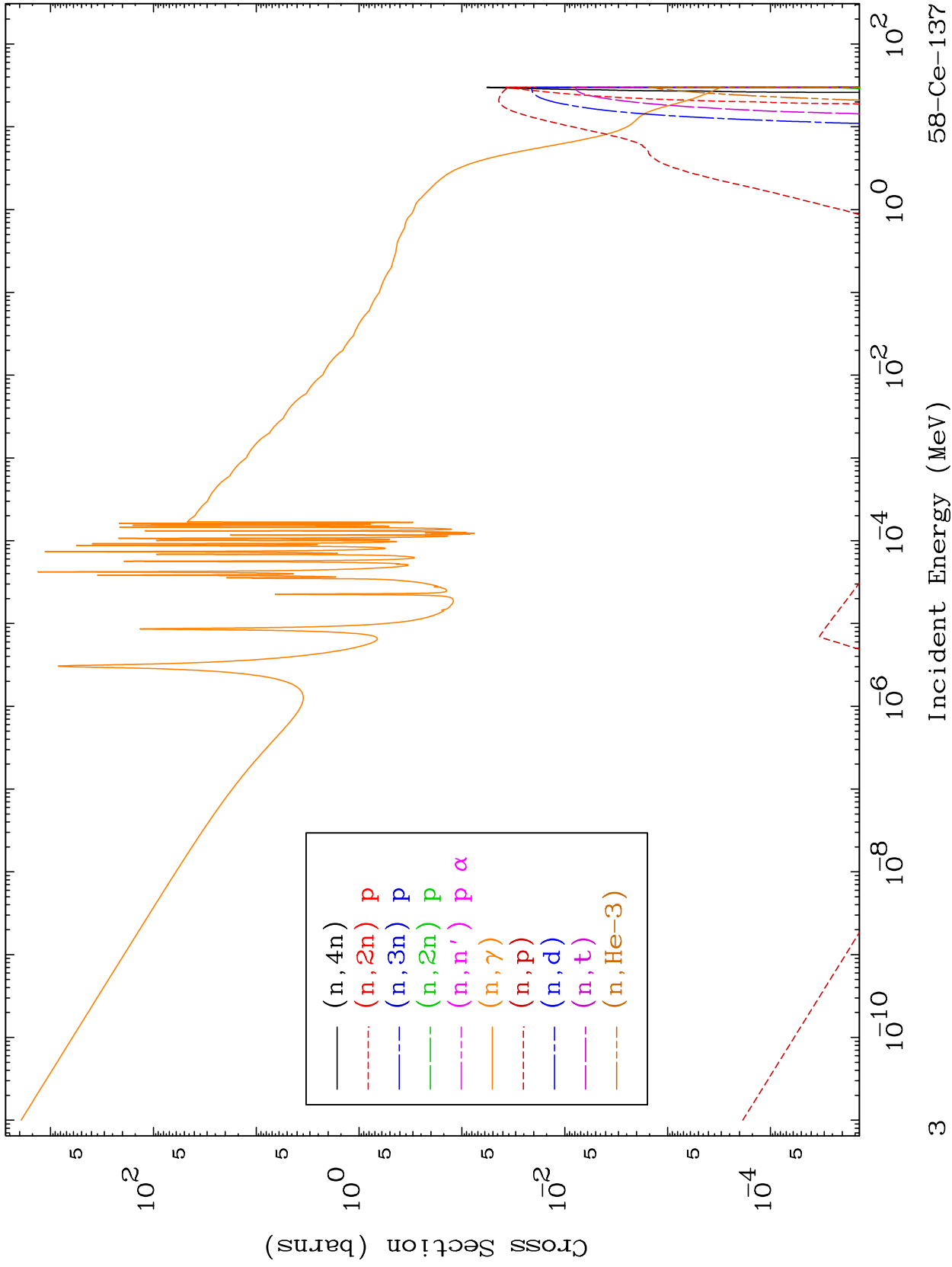
58-Ce-137



58-Ce-137

Incident Energy (MeV)

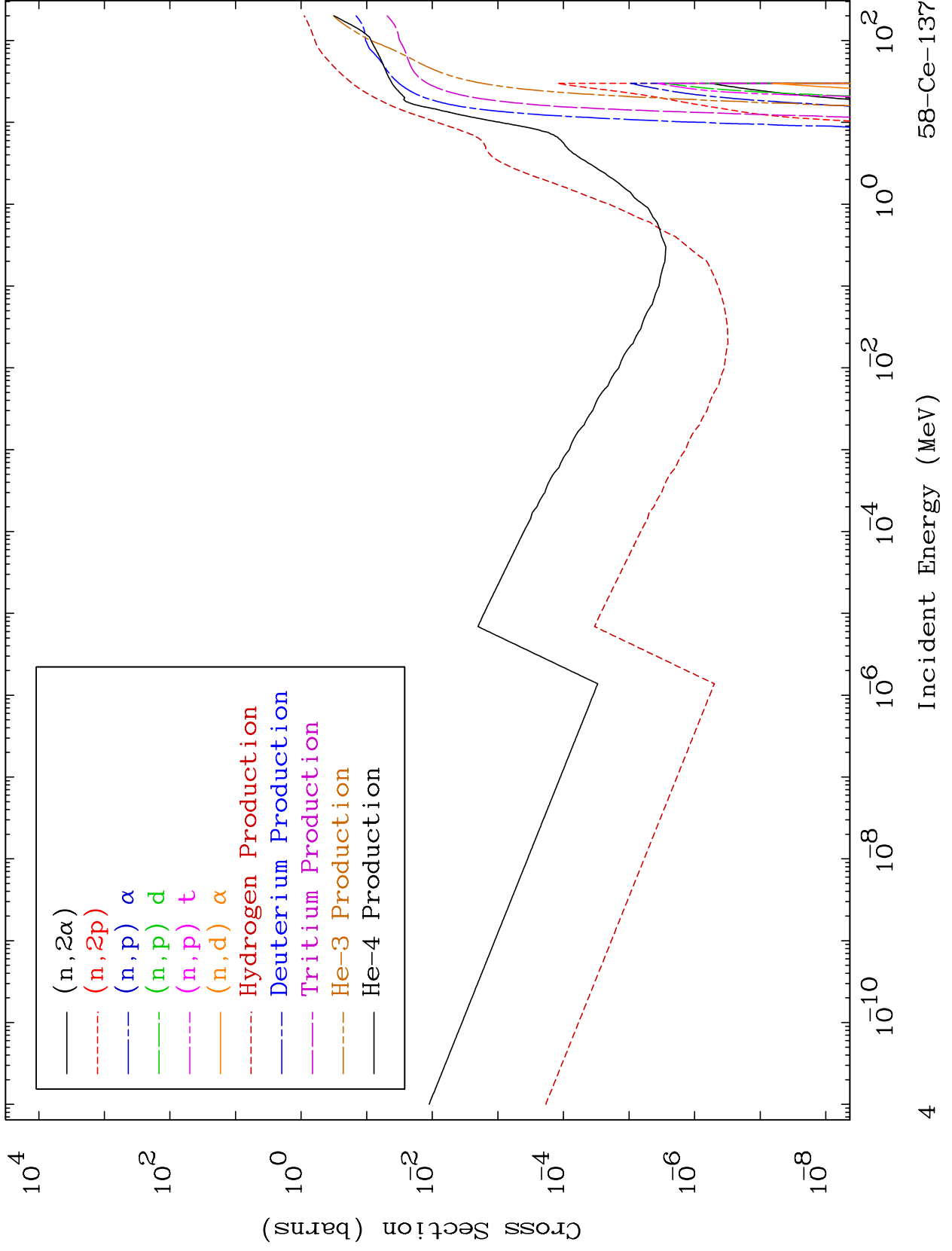
2



MAT 5828

Neutron Absorption
293 Kelvin Cross Sections

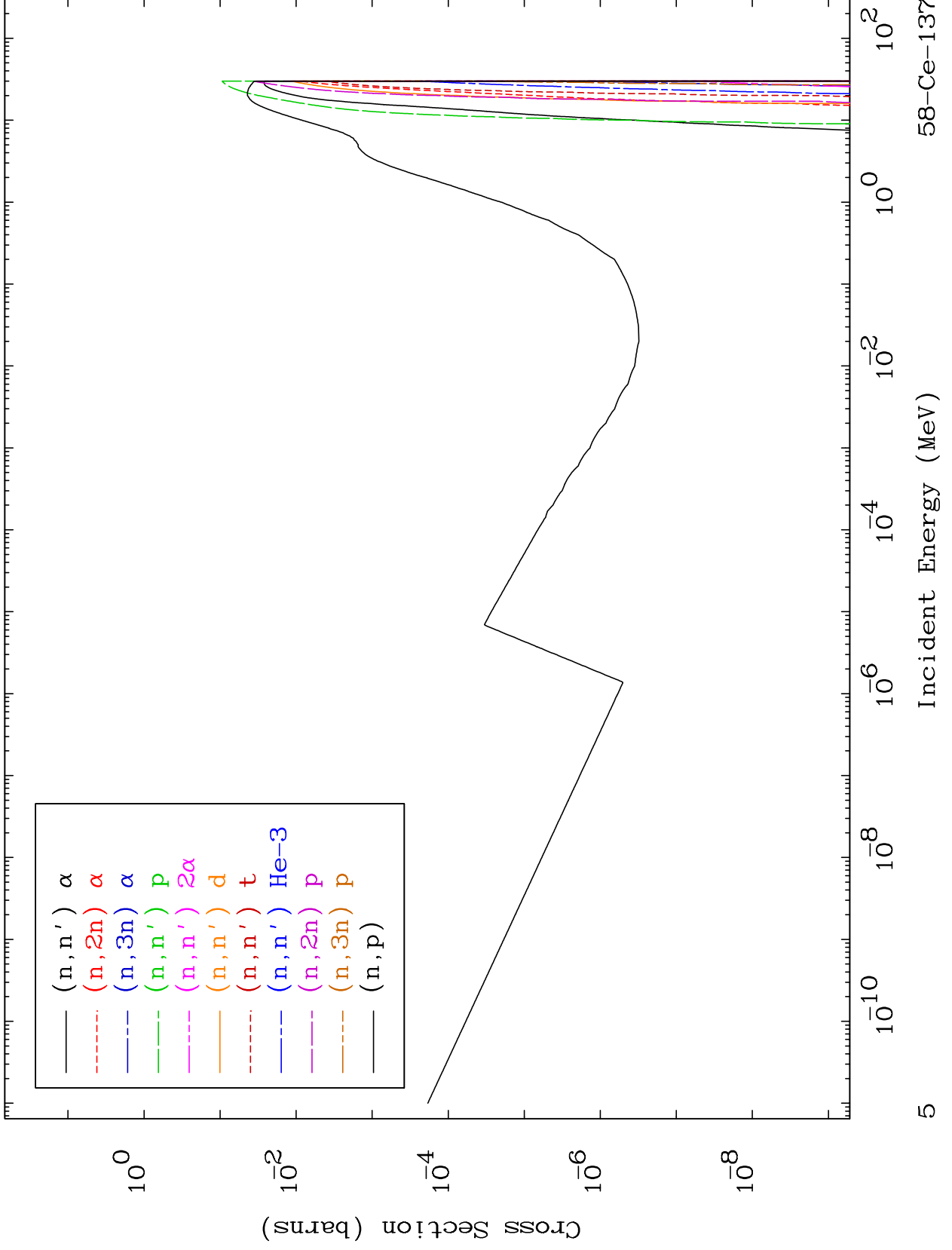
58-Ce-137



MAT 5828

Charged Particle
293 Kelvin Cross Sections

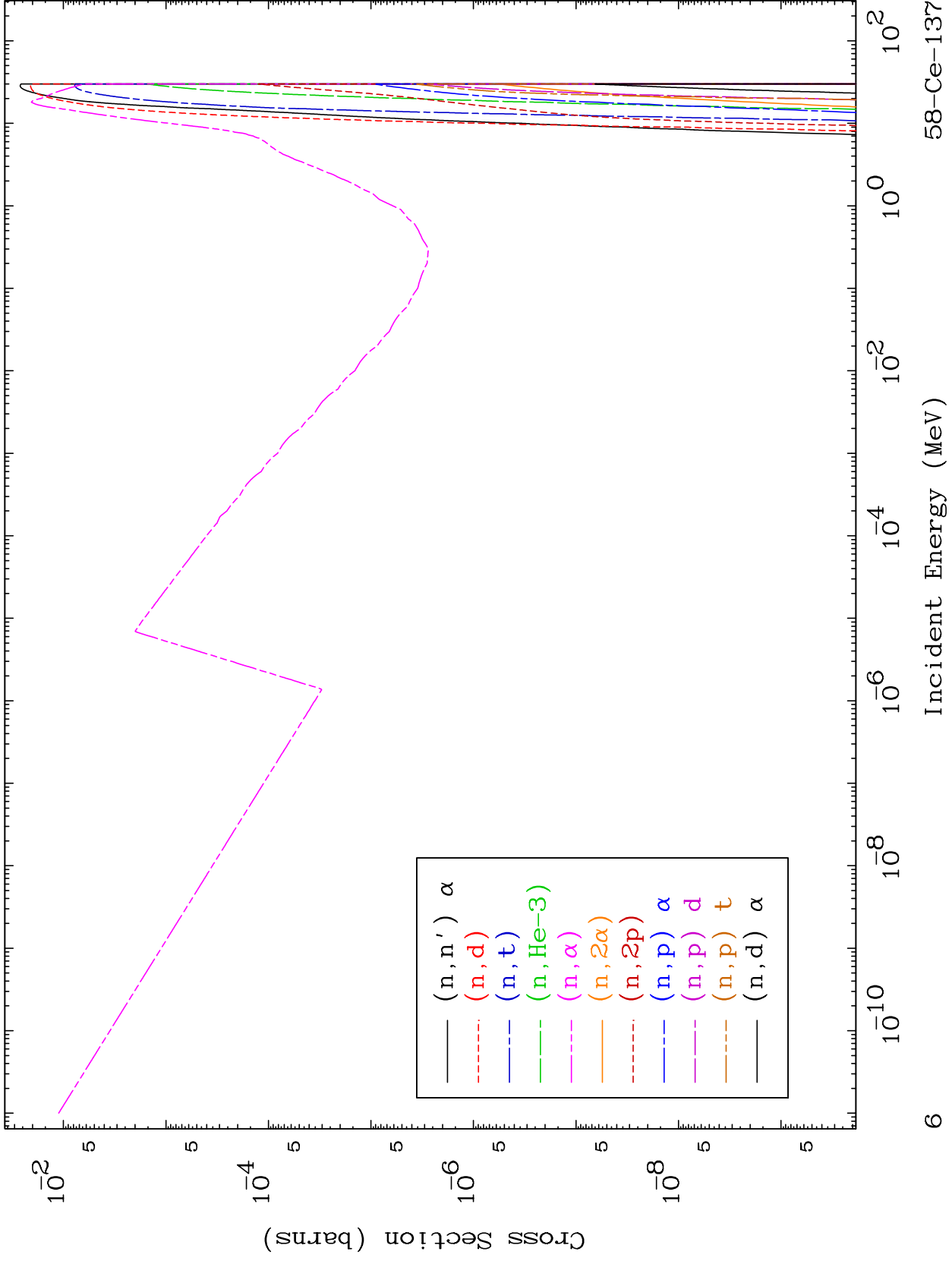
58-Ce-137



MAT 5828

Charged Particle
293 Kelvin Cross Sections

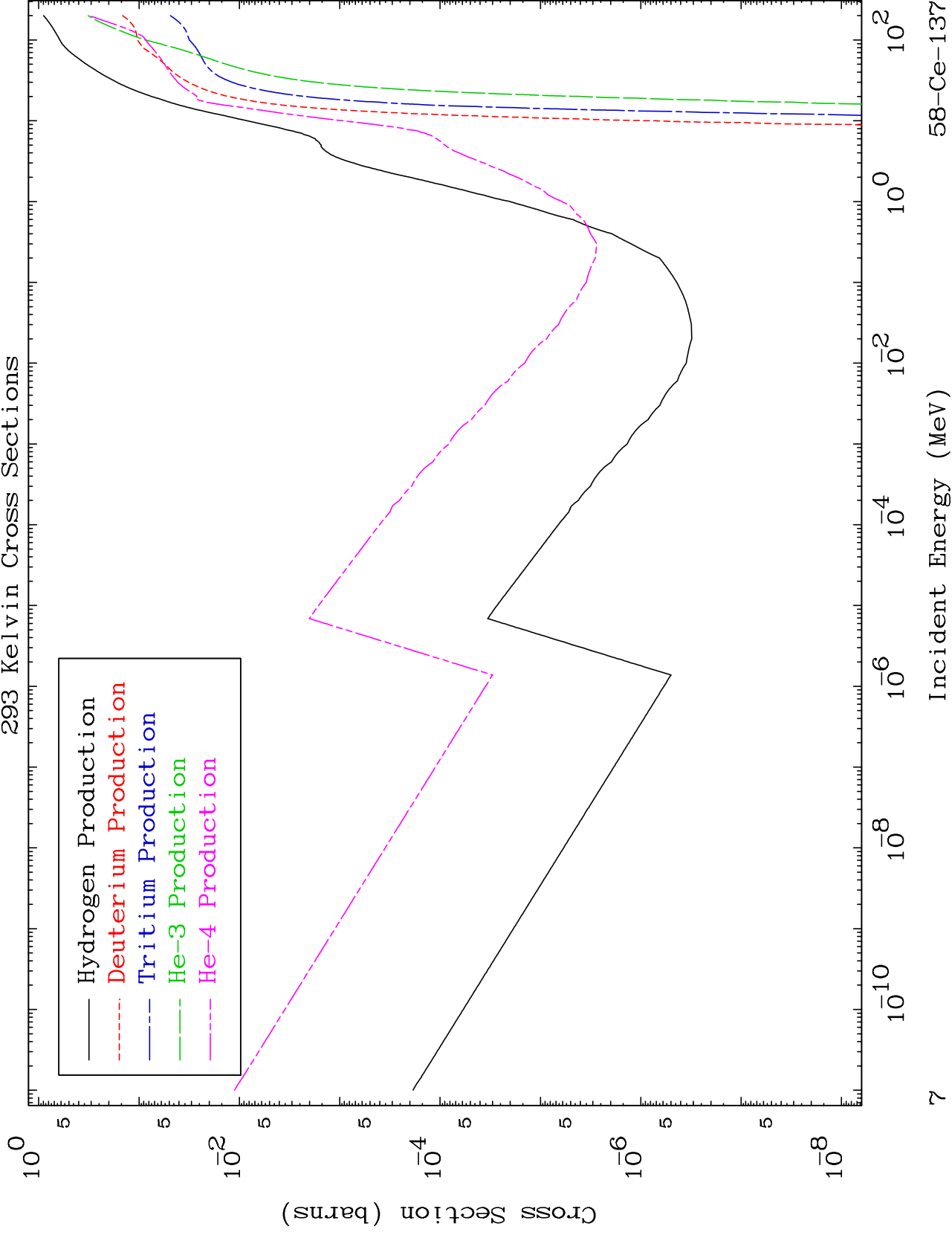
58-Ce-137

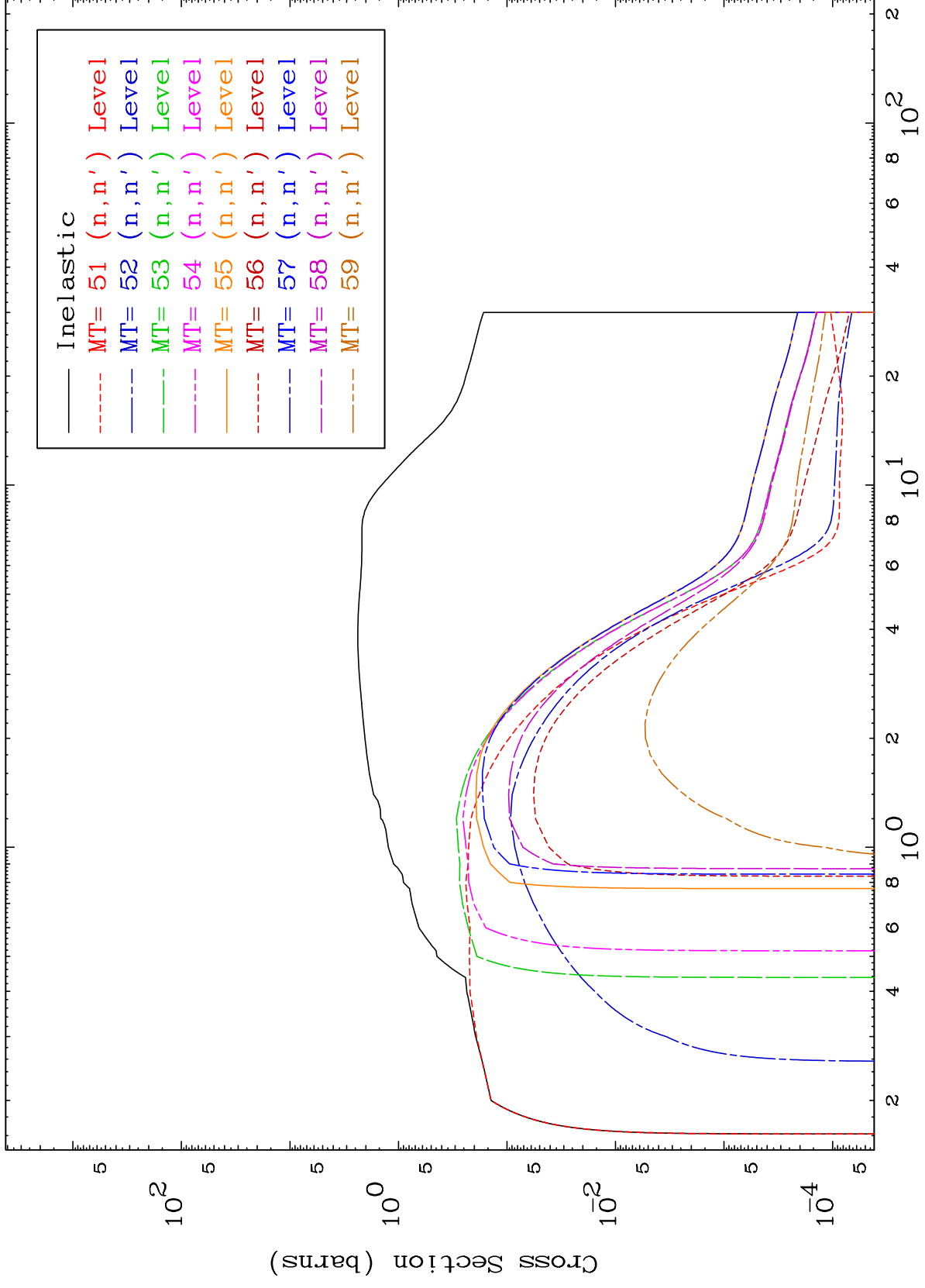


MAT 5828

Particle Production
293 Kelvin Cross Sections

58-Ce-137



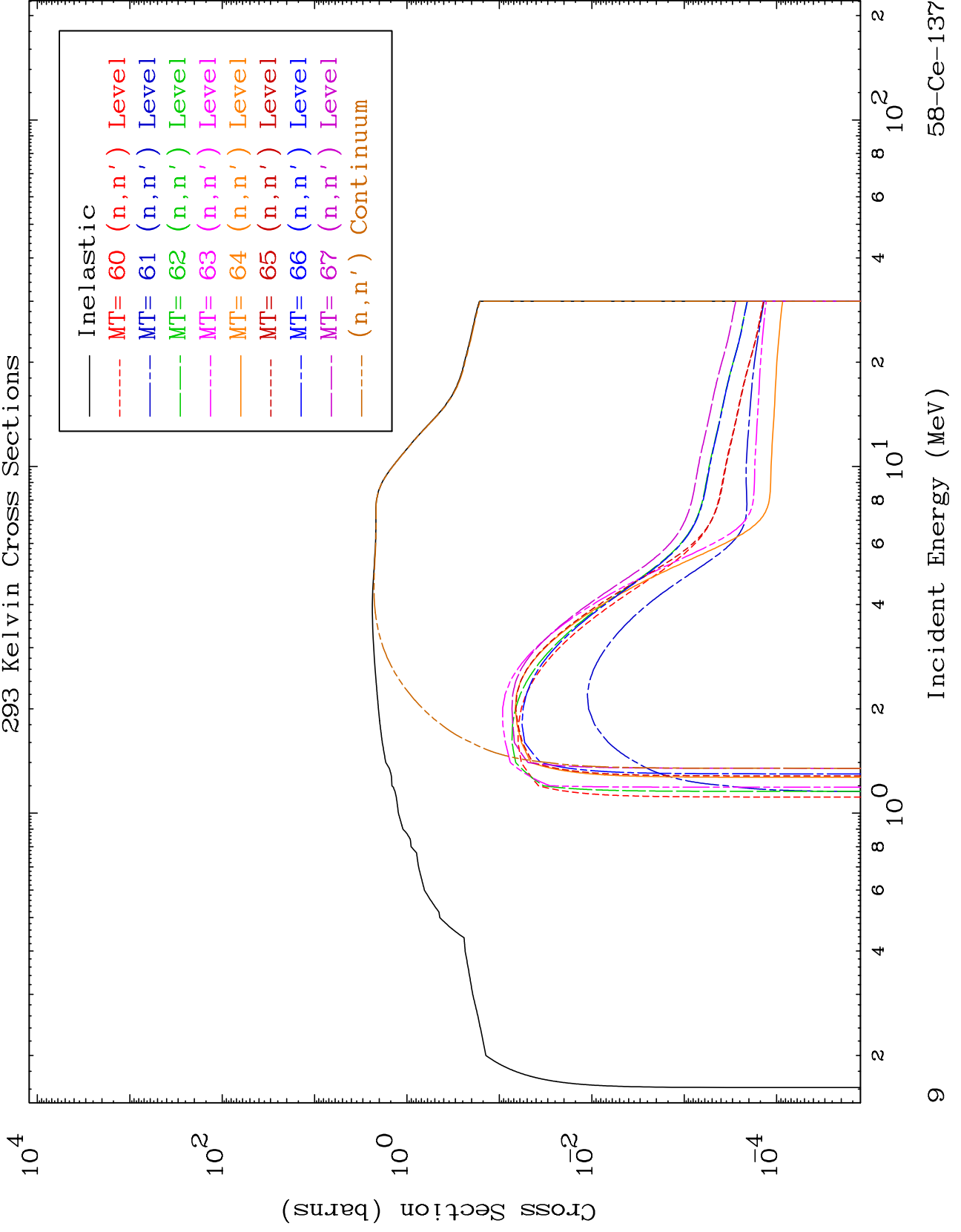


MAT 5828

(n,n') Levels

293 Kelvin Cross Sections

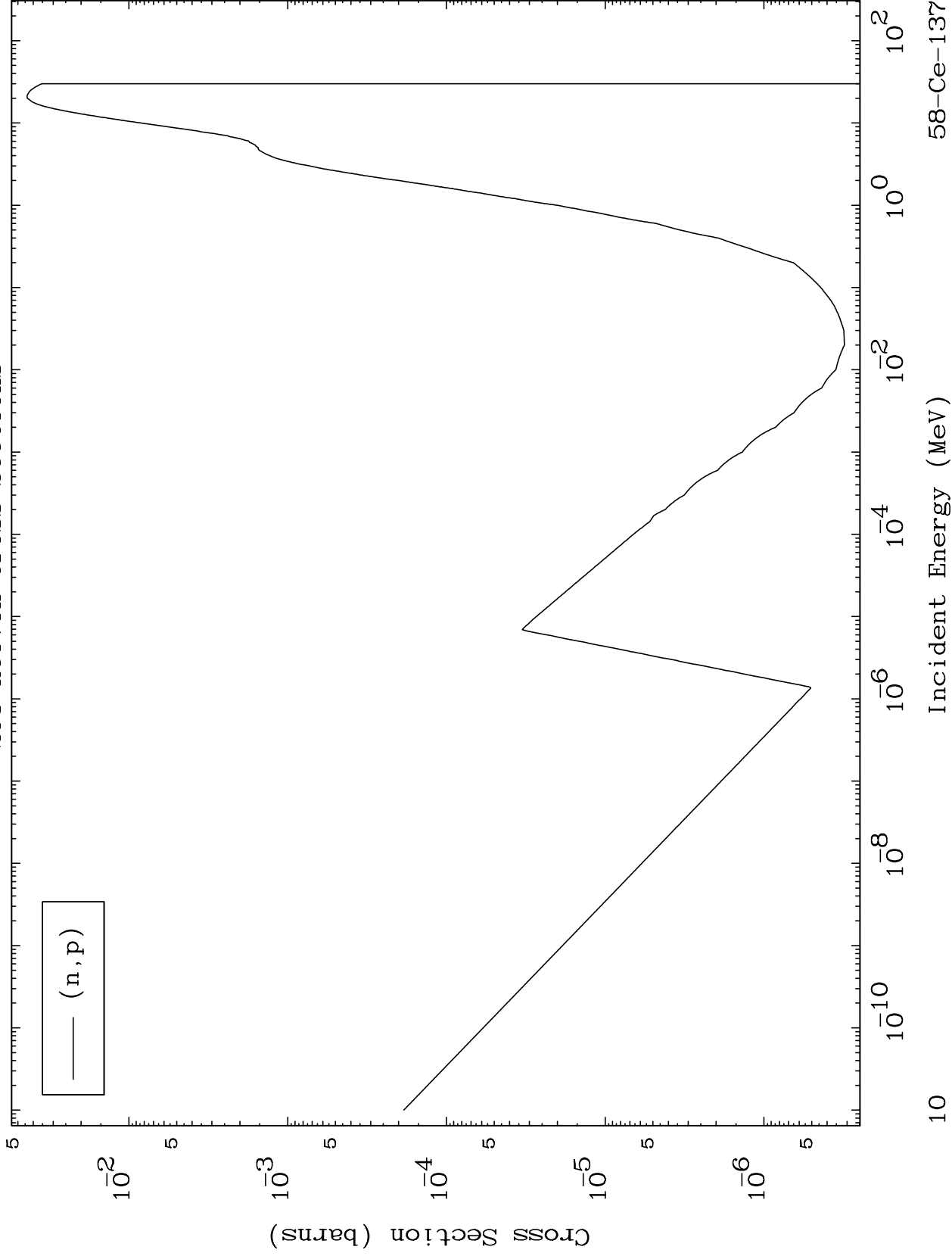
58-Ce-137



MAT 5828

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-137



10

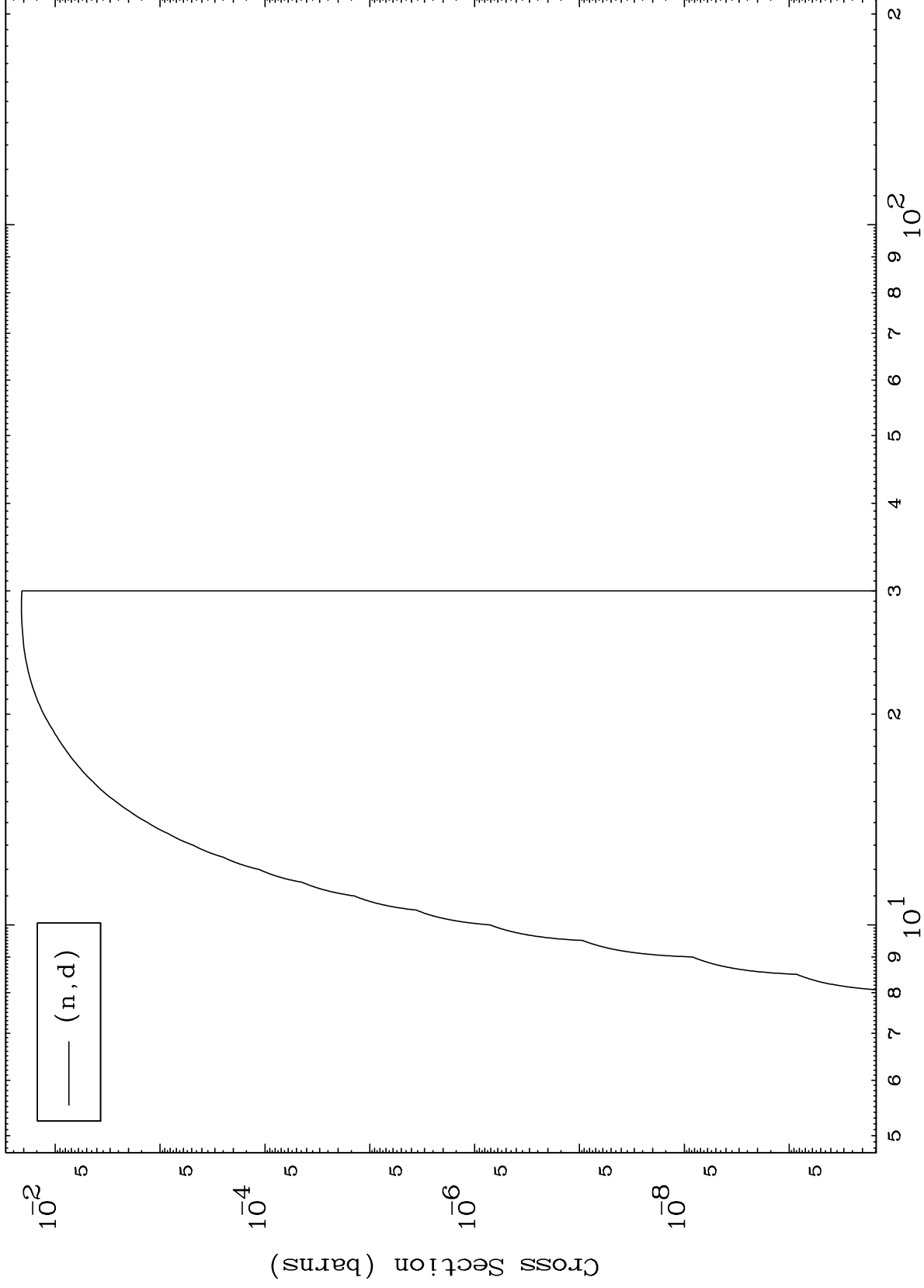
Incident Energy (MeV)

58-Ce-137

MAT 5828

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-137



11

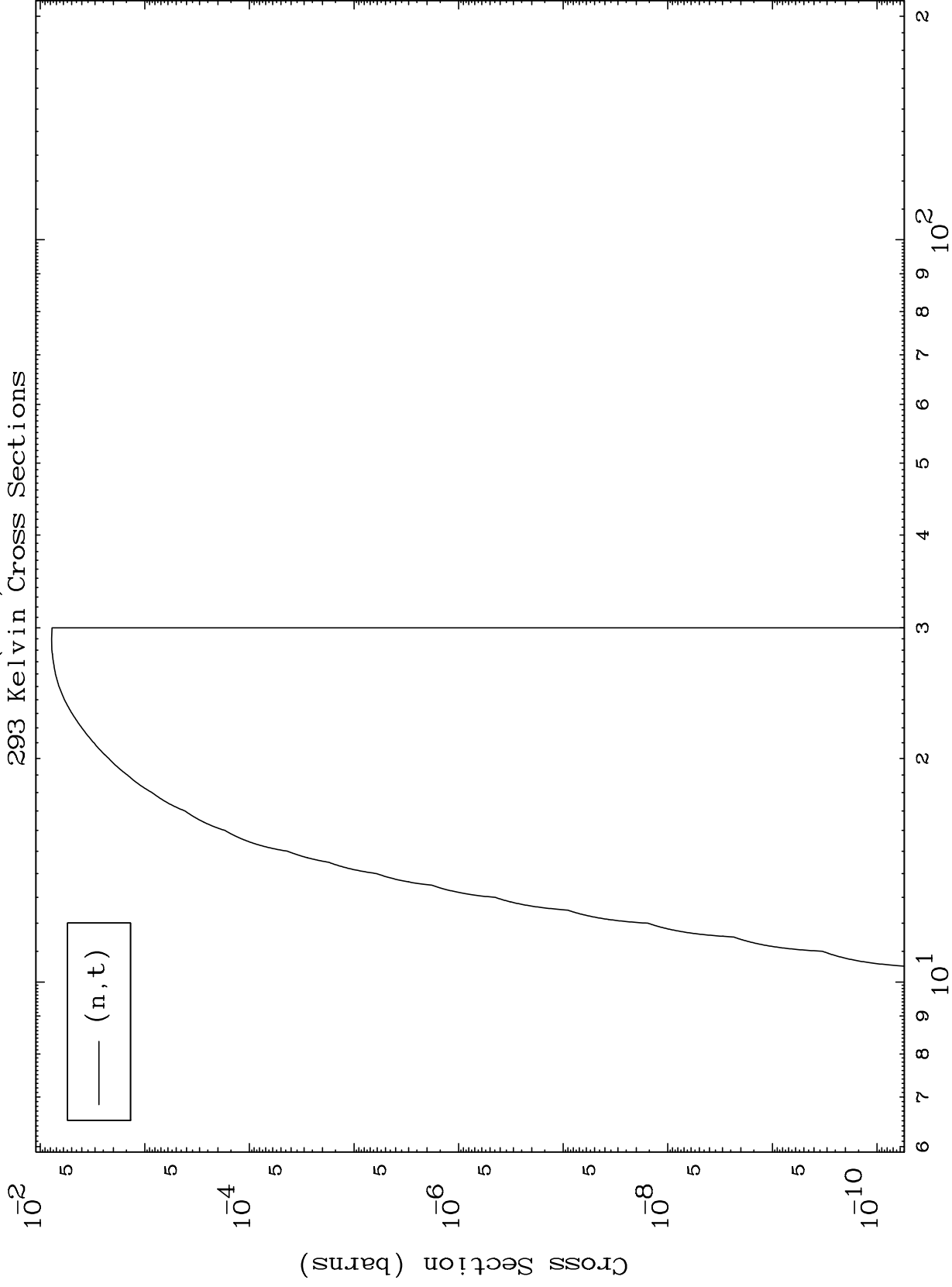
Incident Energy (MeV)

58-Ce-137

MAT 5828

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-137



12

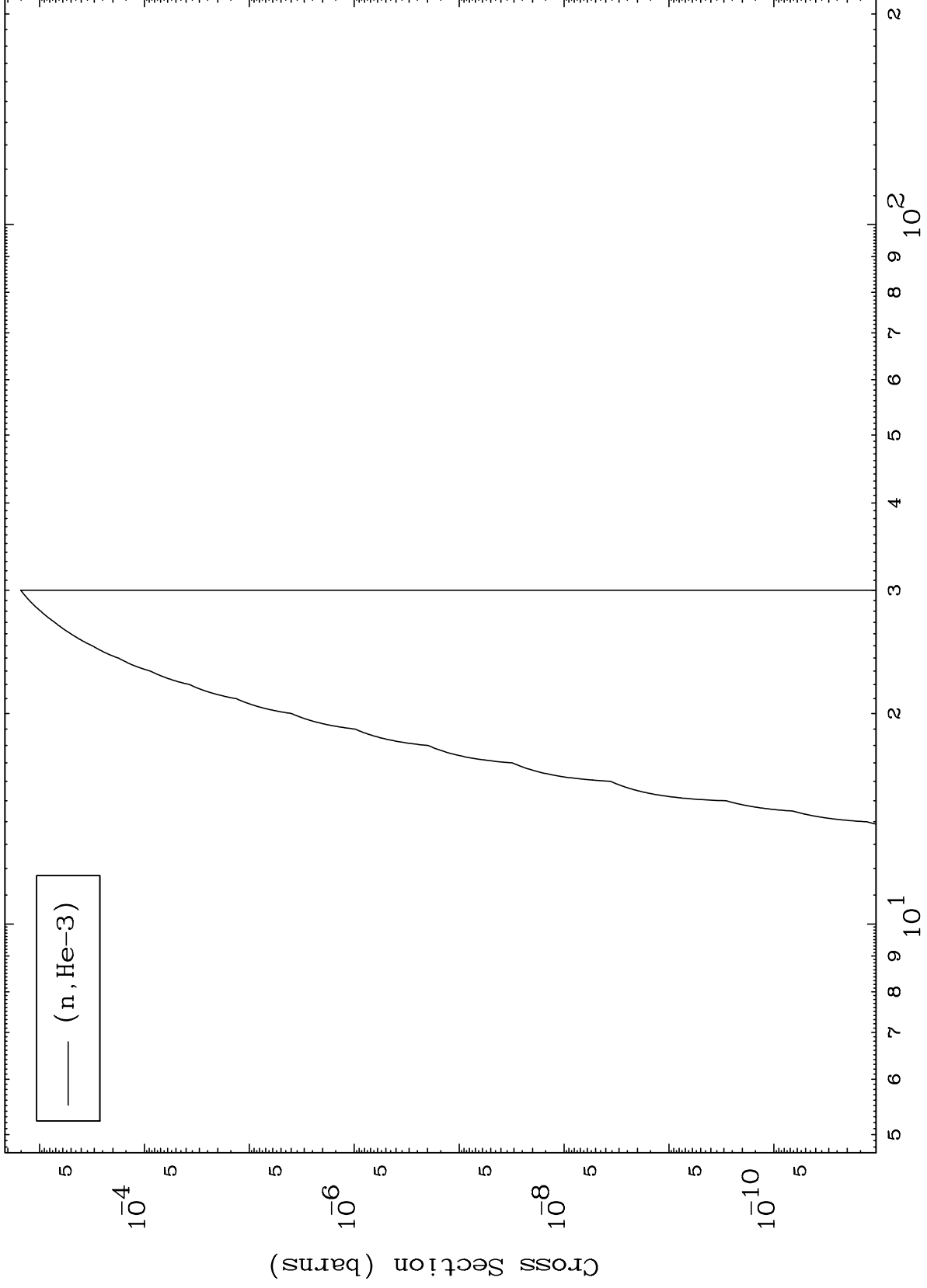
Incident Energy (MeV)

58-Ce-137

MAT 5828

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-137



13

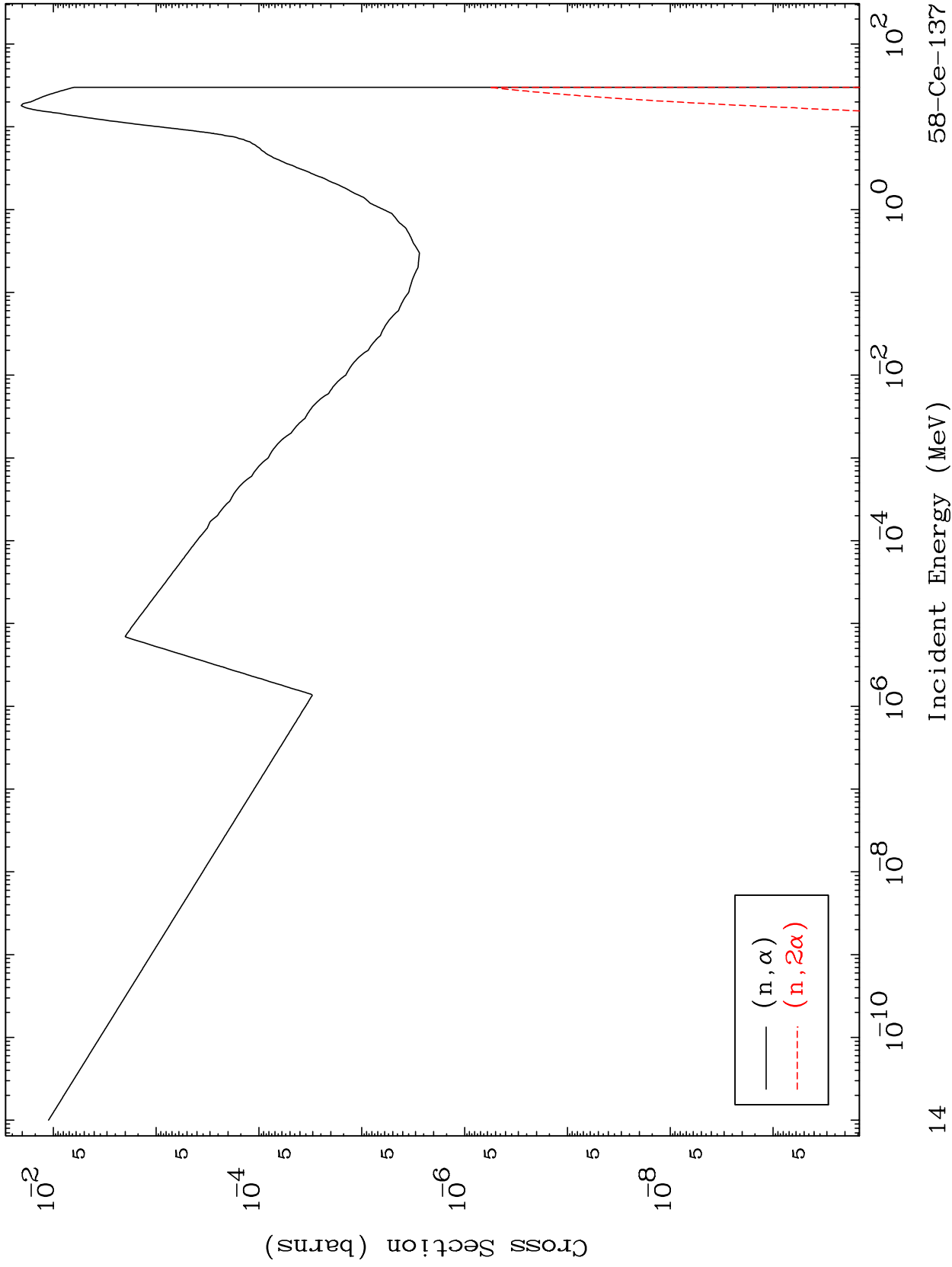
Incident Energy (MeV)

58-Ce-137

MAT 5828

(n, α) Levels
293 Kelvin Cross Sections

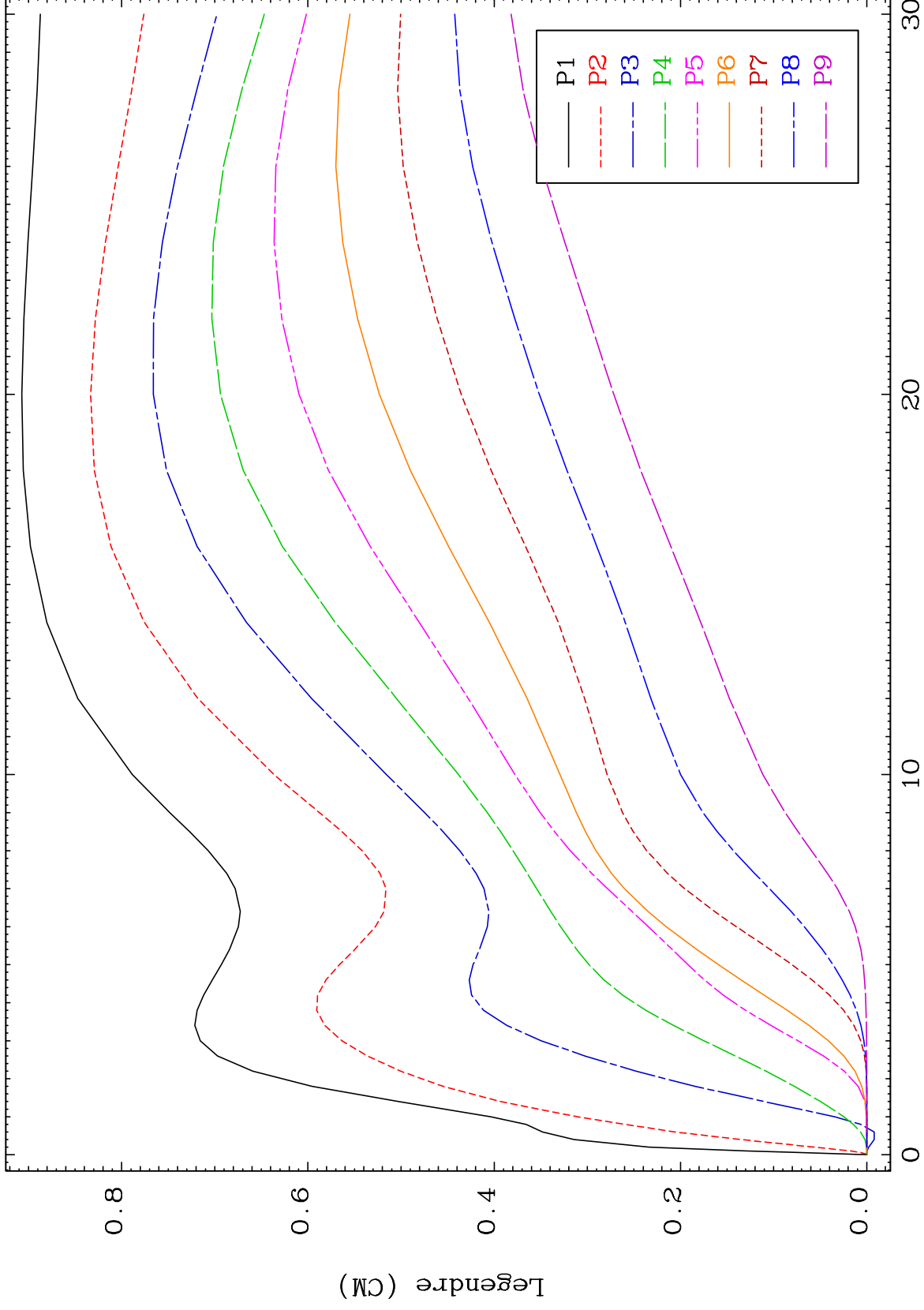
58-Ce-137



MAT 5828

Elastic Legendre Coefficients

58-Ce-137



15

Incident Energy (MeV)

58-Ce-137

0

10

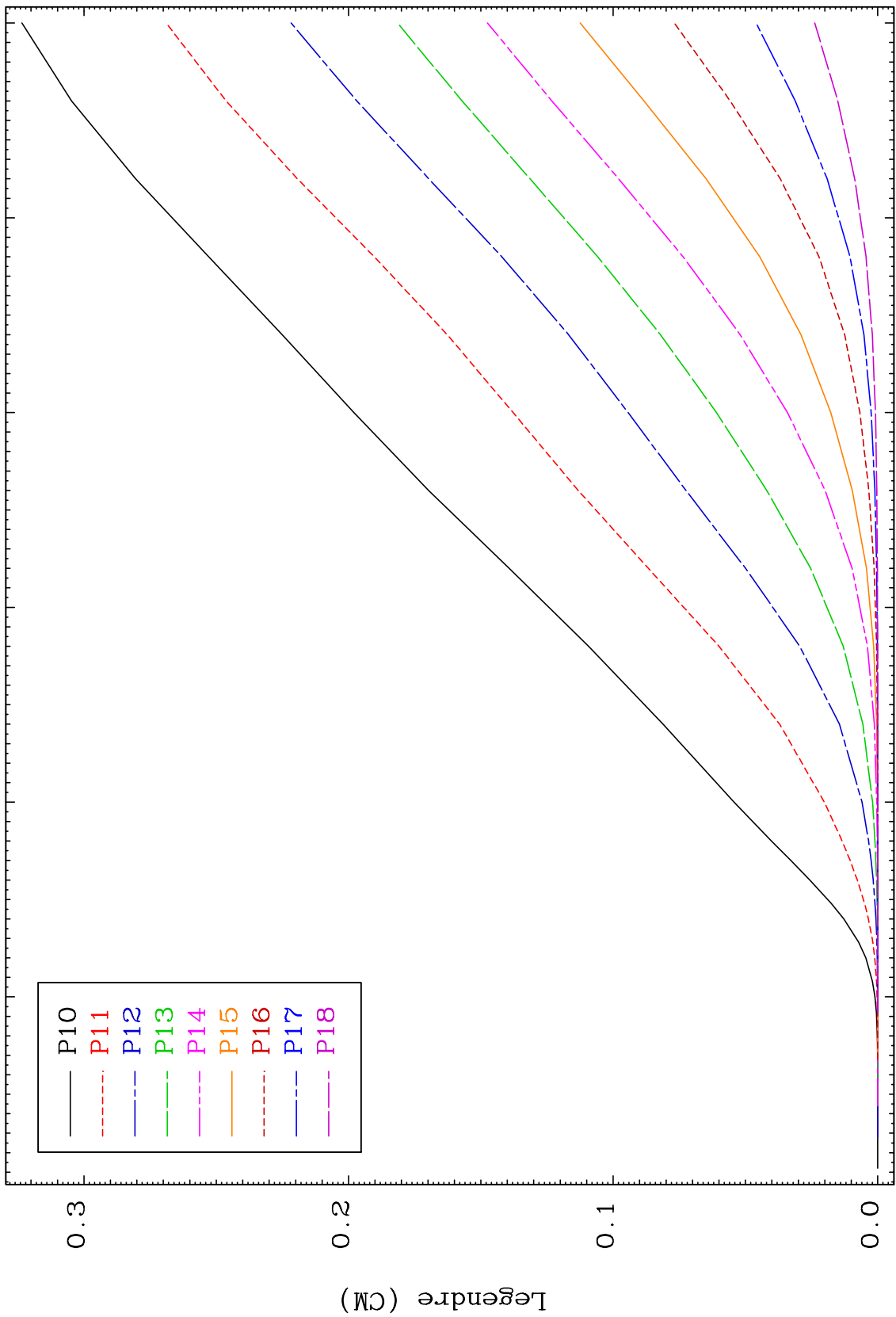
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30

MAT 5828

Elastic Legendre Coefficients

58-Ce-137



16

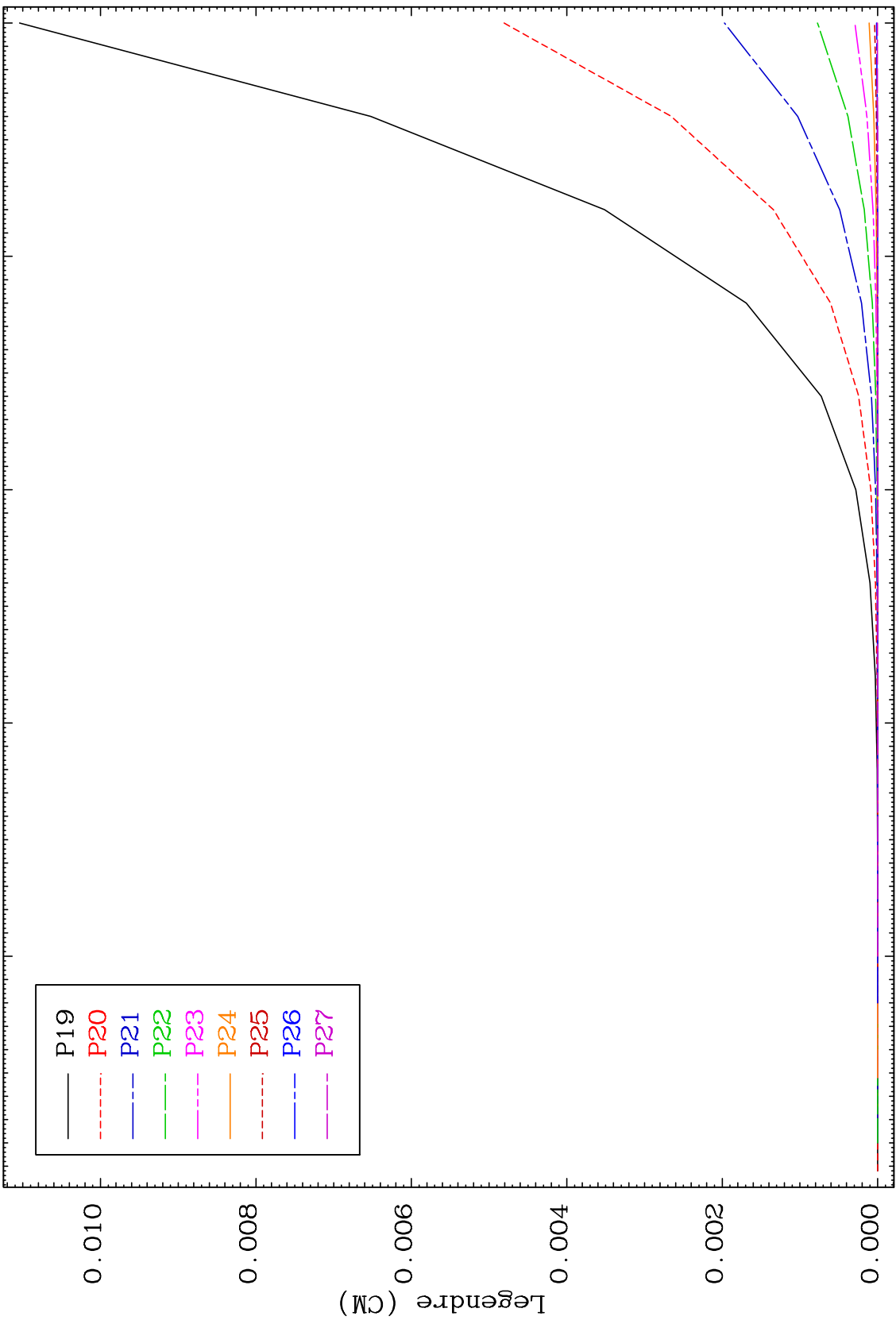
Incident Energy (MeV)

58-Ce-137

MAT 5828

Elastic Legendre Coefficients

58-Ce-137



17

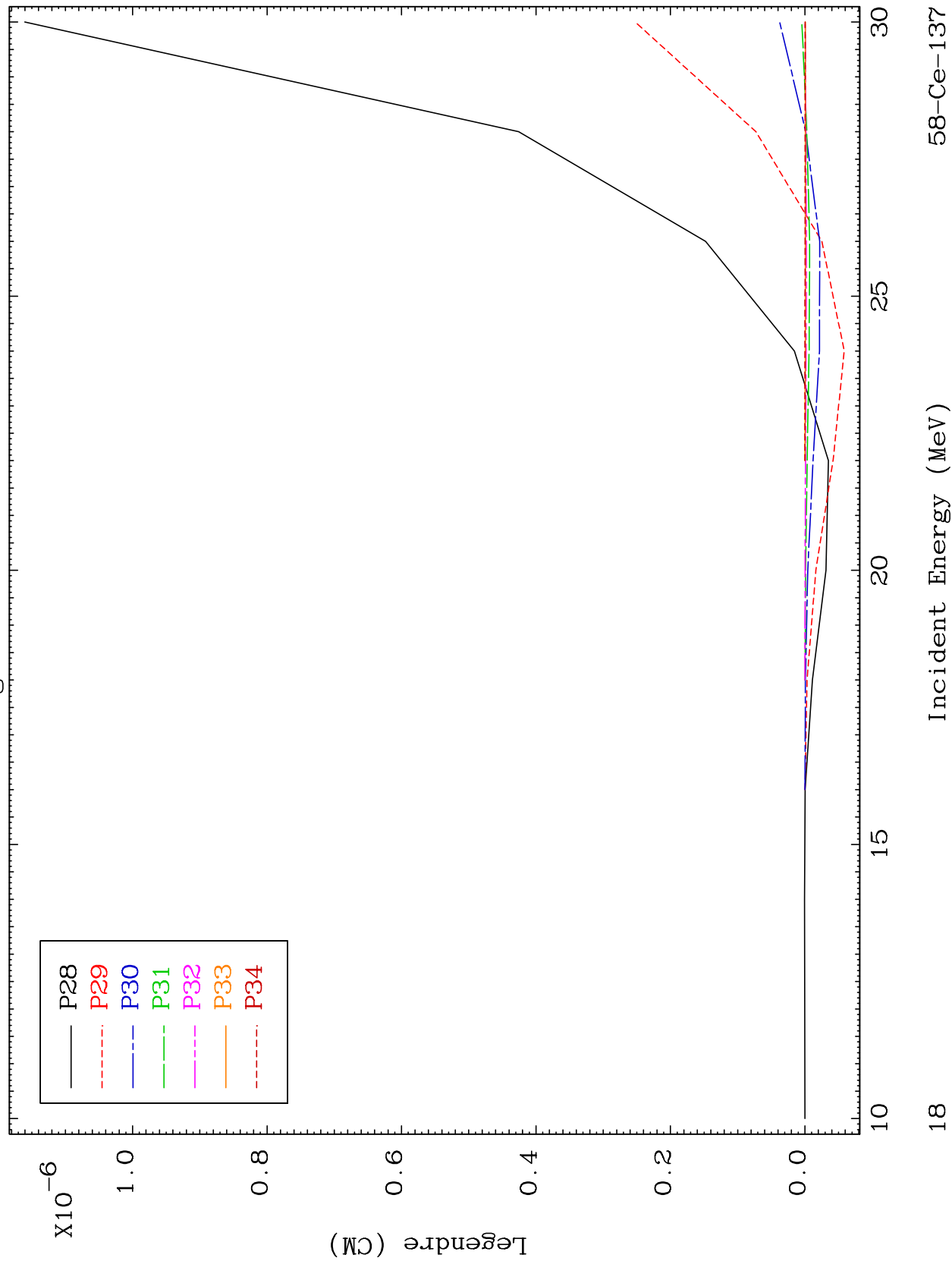
Incident Energy (MeV)

58-Ce-137

MAT 5828

Elastic Legendre Coefficients

58-Ce-137



18

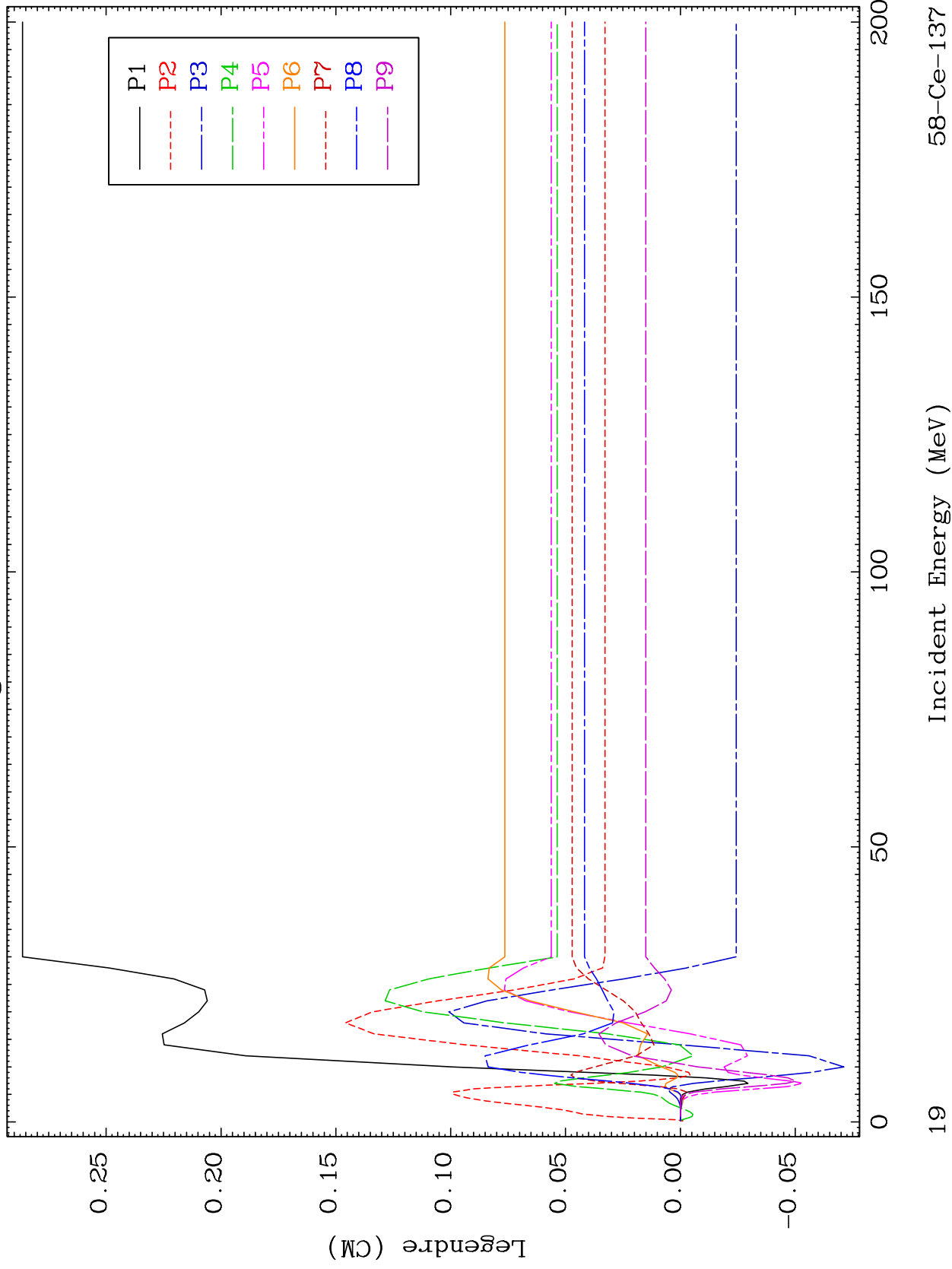
Incident Energy (MeV)

58-Ce-137

MAT 5828

MT= 51 (n,n') Level
Legendre Coefficients

58-Ce-137



58-Ce-137

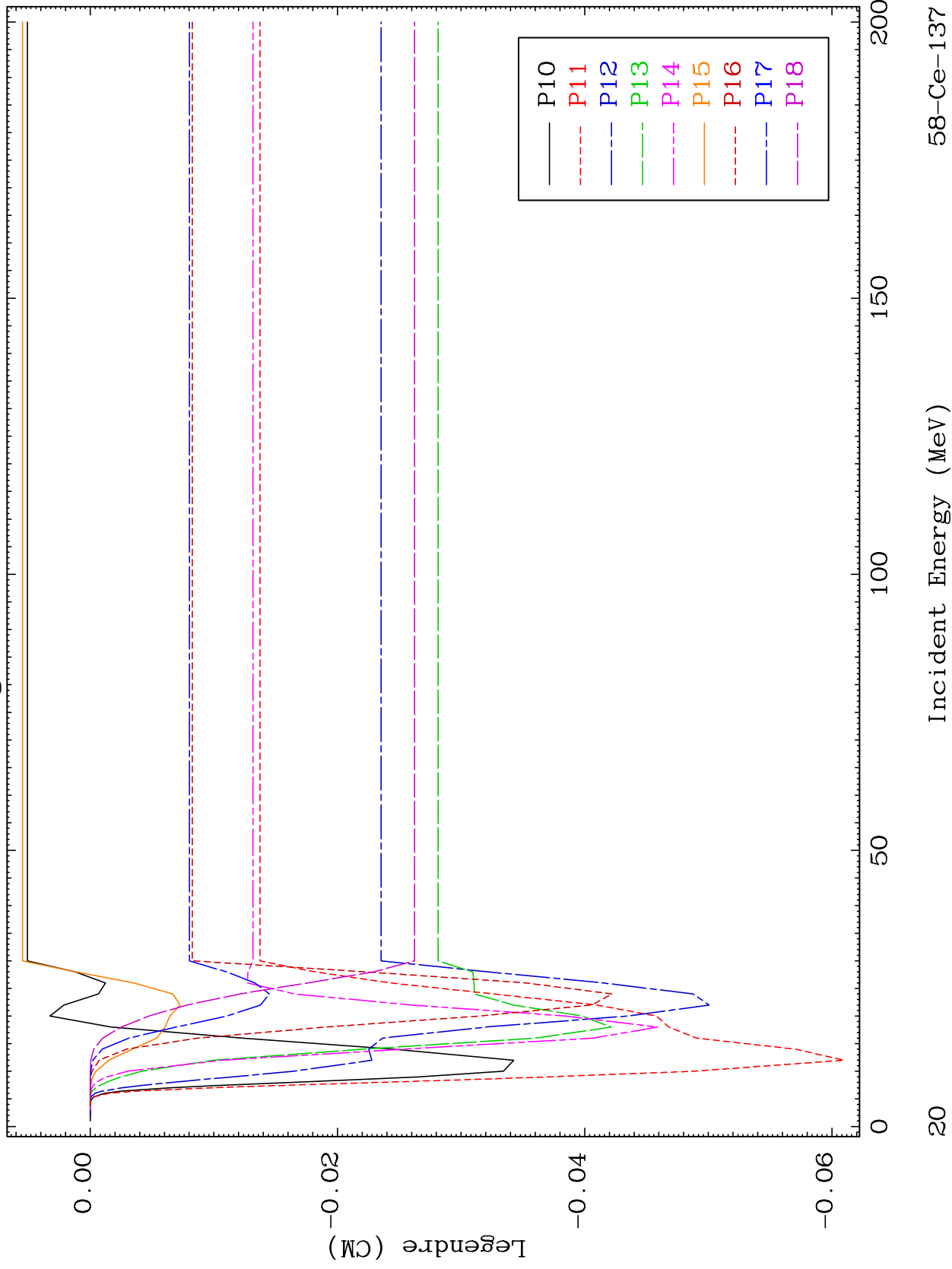
Incident Energy (MeV)

19

MAT 5828

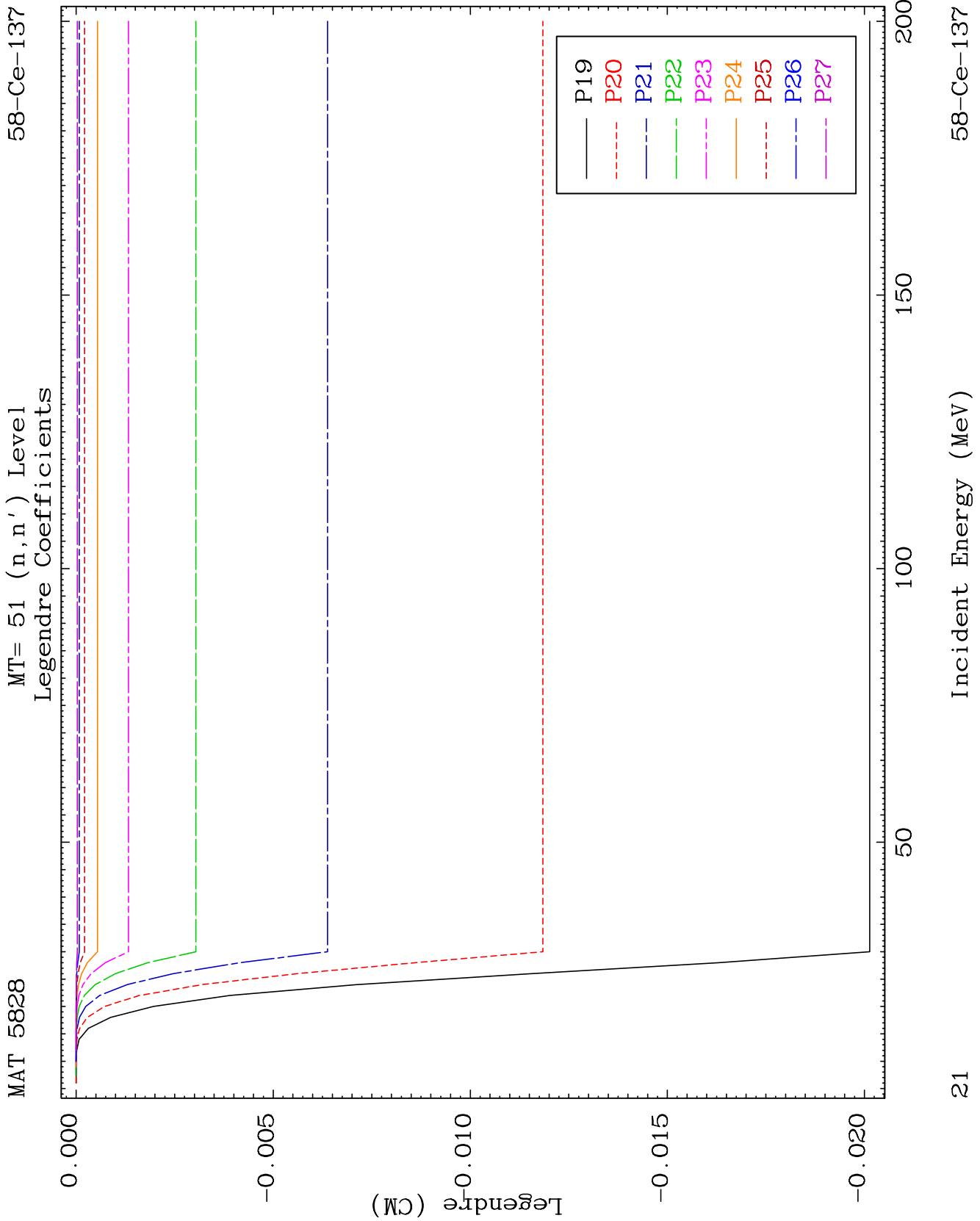
MT= 51 (n,n') Level
Legendre Coefficients

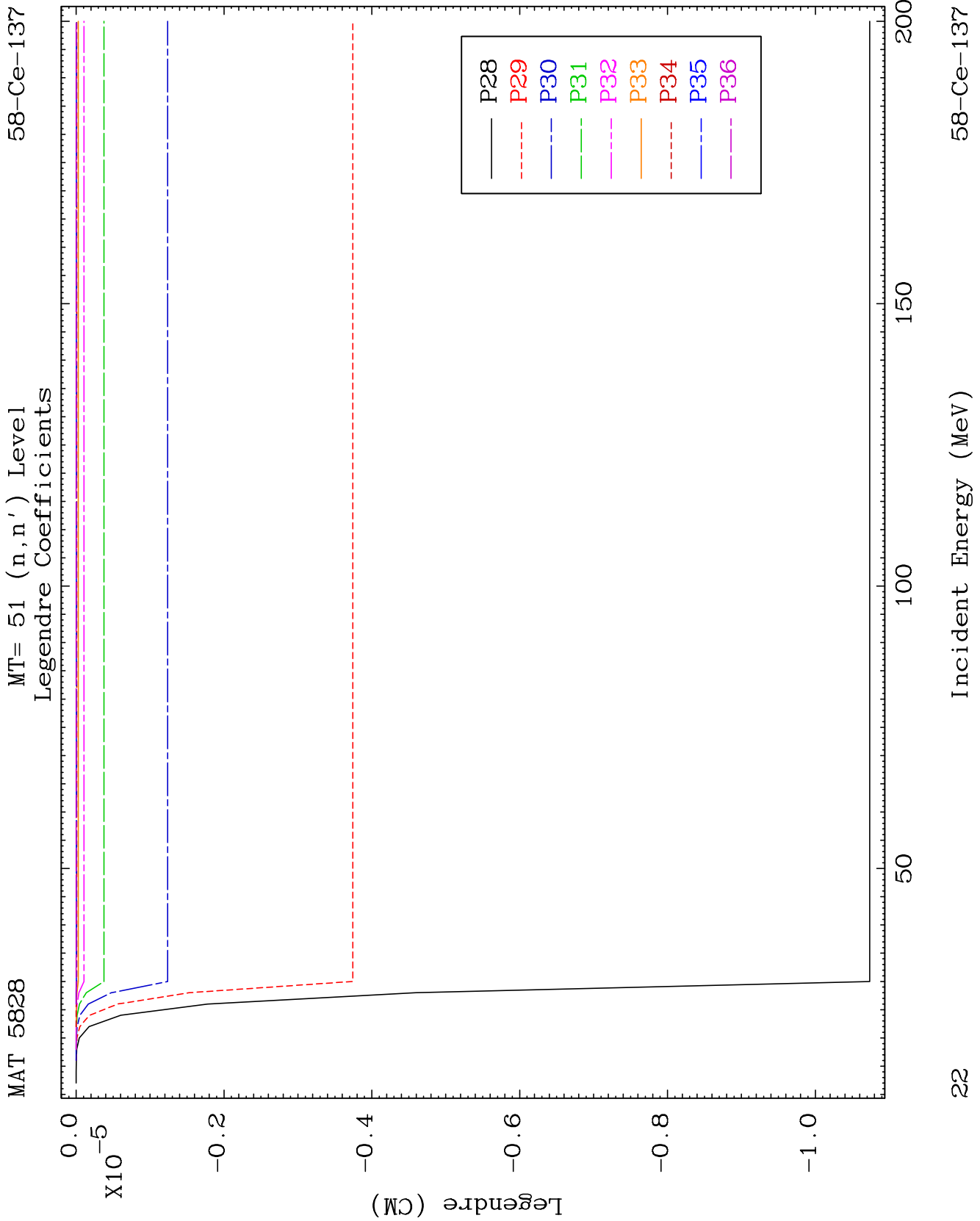
58-Ce-137



58-Ce-137

Incident Energy (MeV)

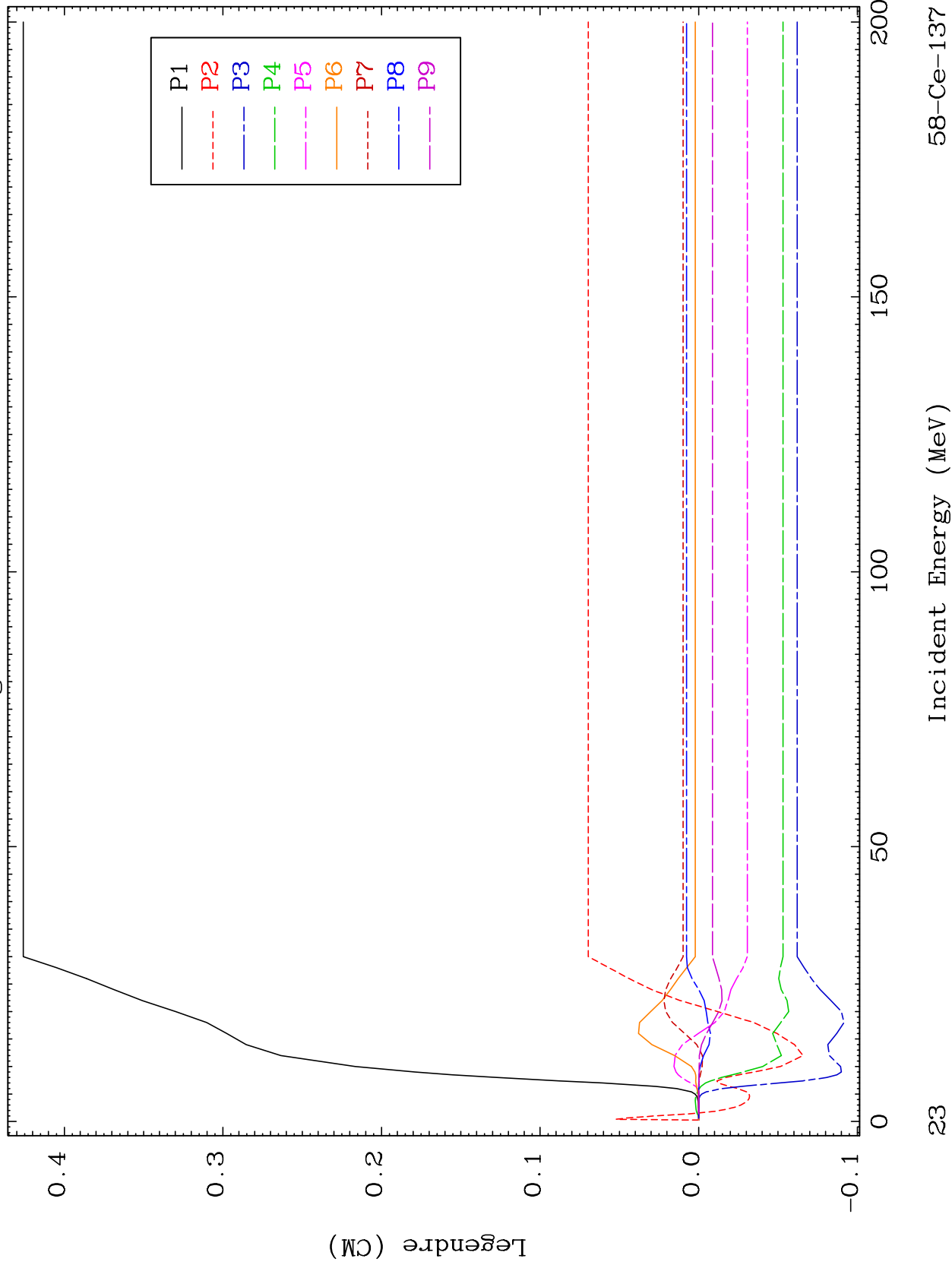




MAT 5828

MT= 52 (n,n') Level
Legendre Coefficients

58-Ce-137



58-Ce-137

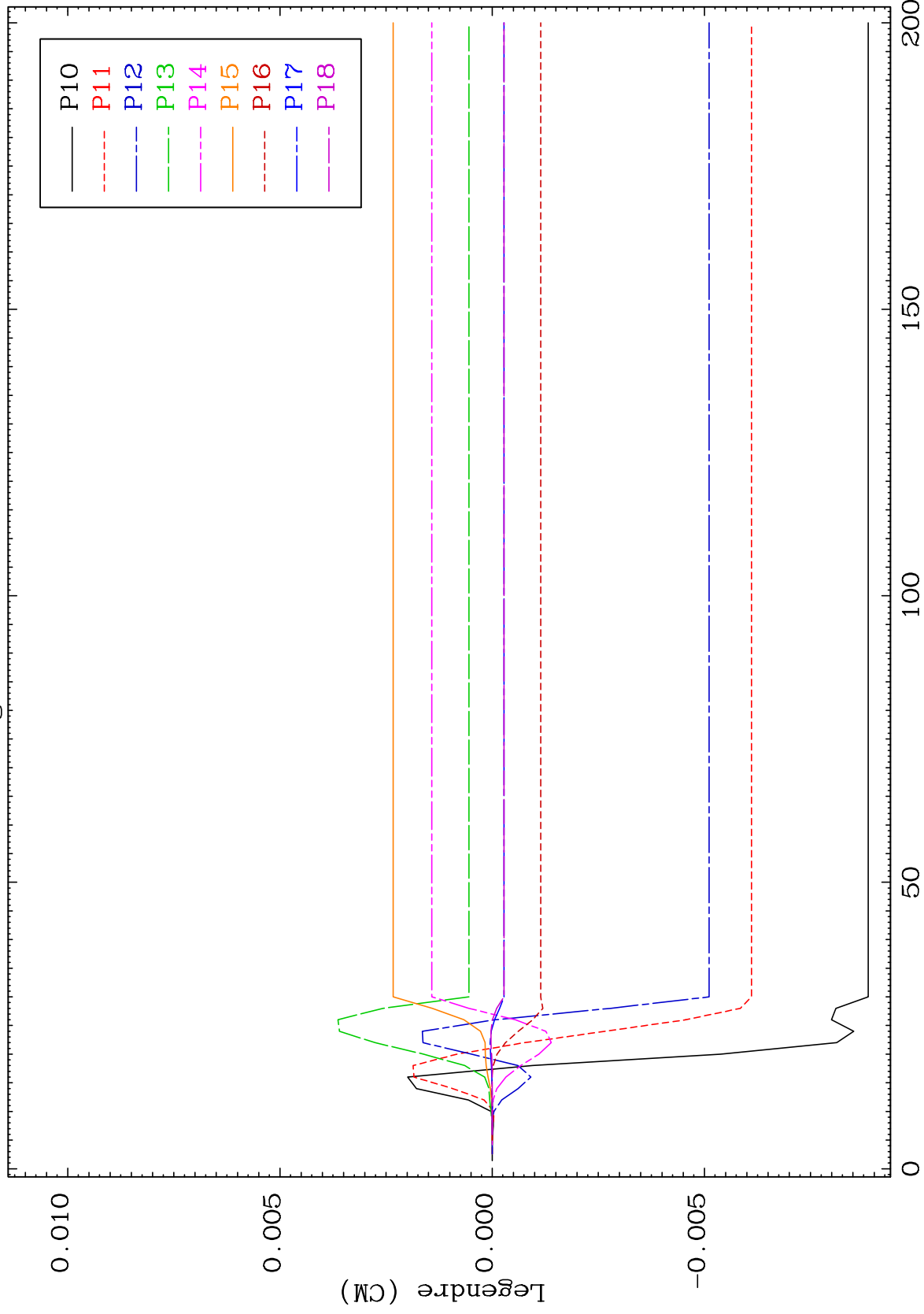
Incident Energy (MeV)

23

MAT 5828

MT= 52 (n,n') Level
Legendre Coefficients

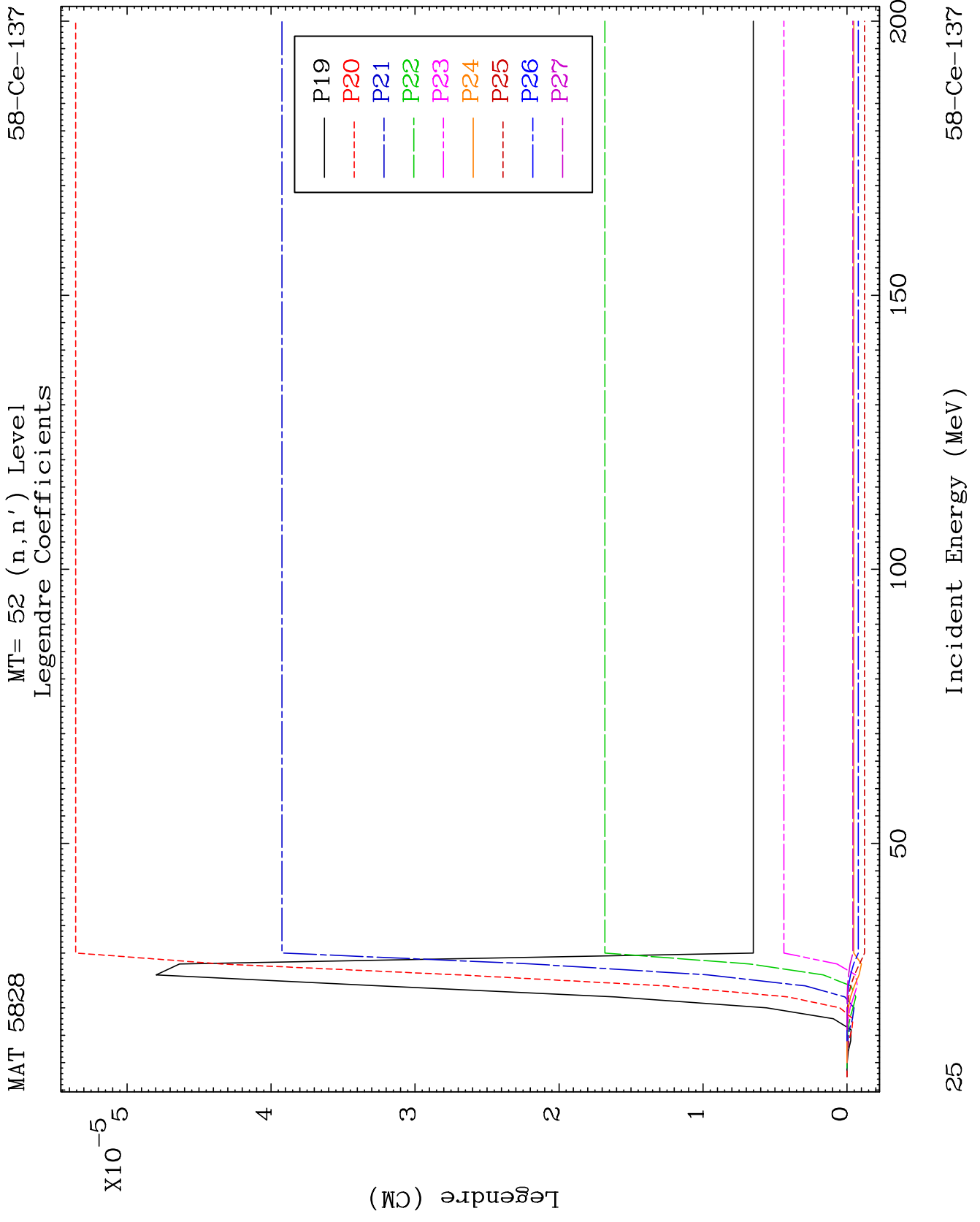
58-Ce-137



24

Incident Energy (MeV)

58-Ce-137

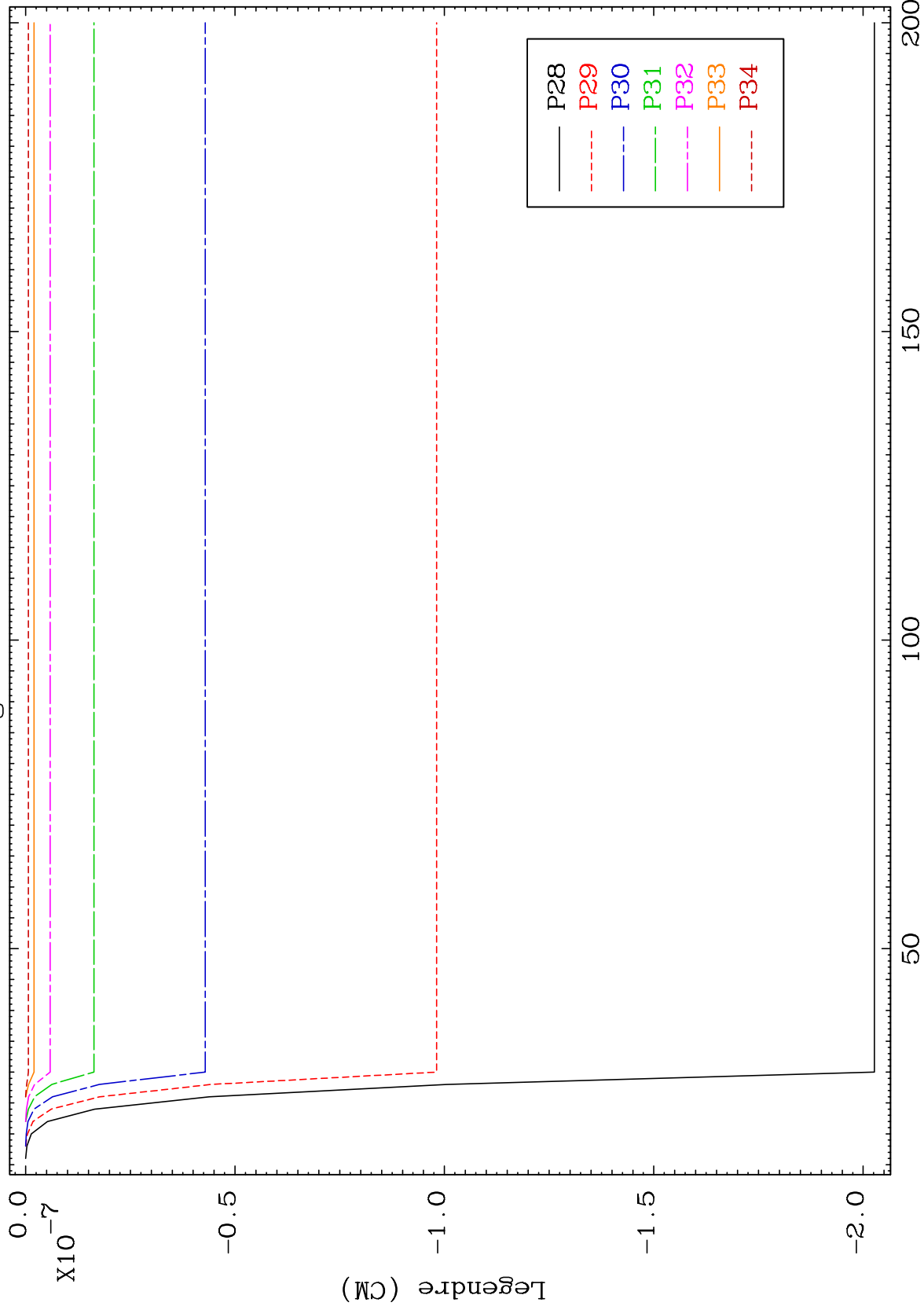


MAT 5828

MT= 52 (n,n') Level

58-Ce-137

Legendre Coefficients



26

Incident Energy (MeV)

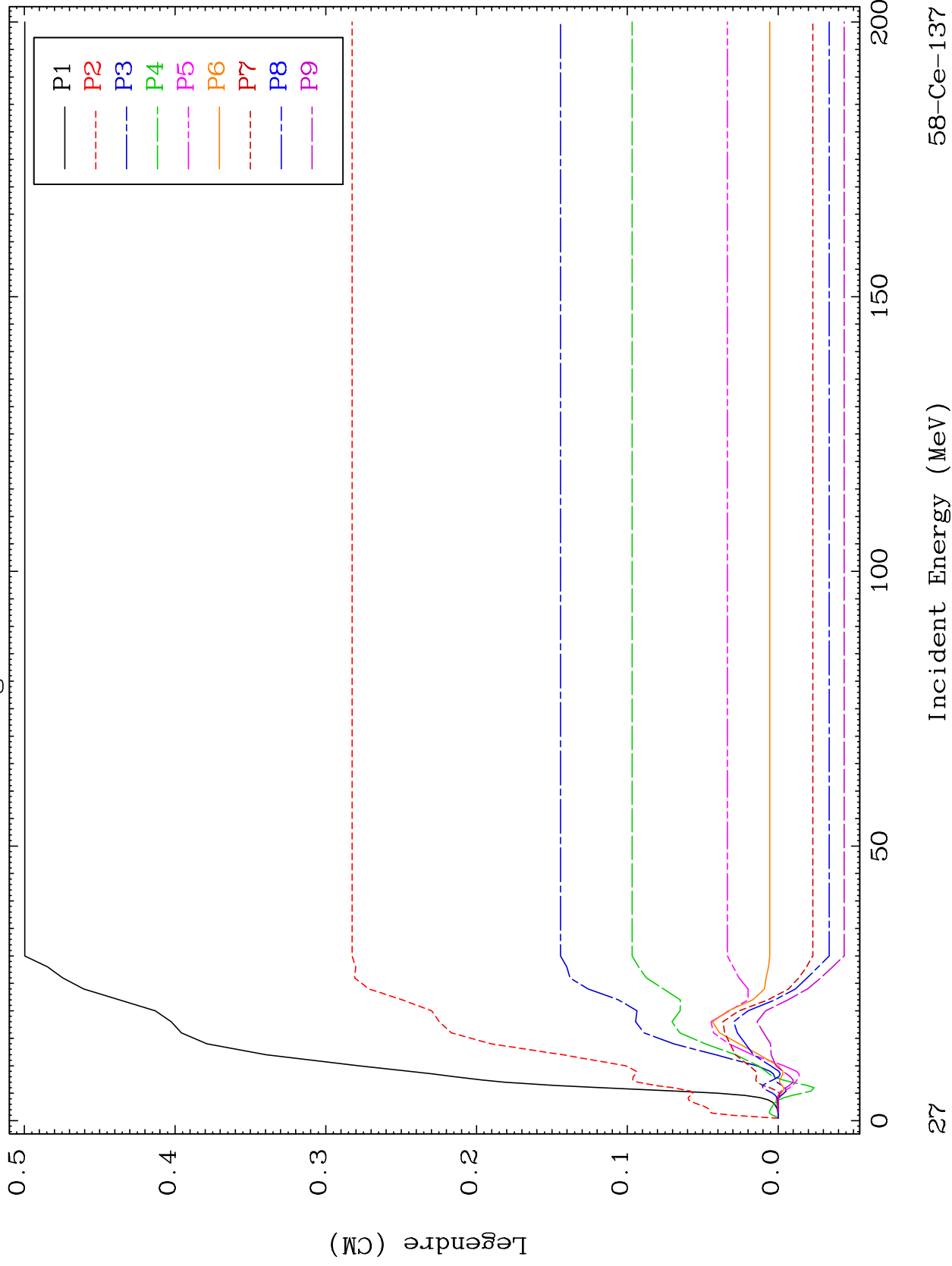
58-Ce-137

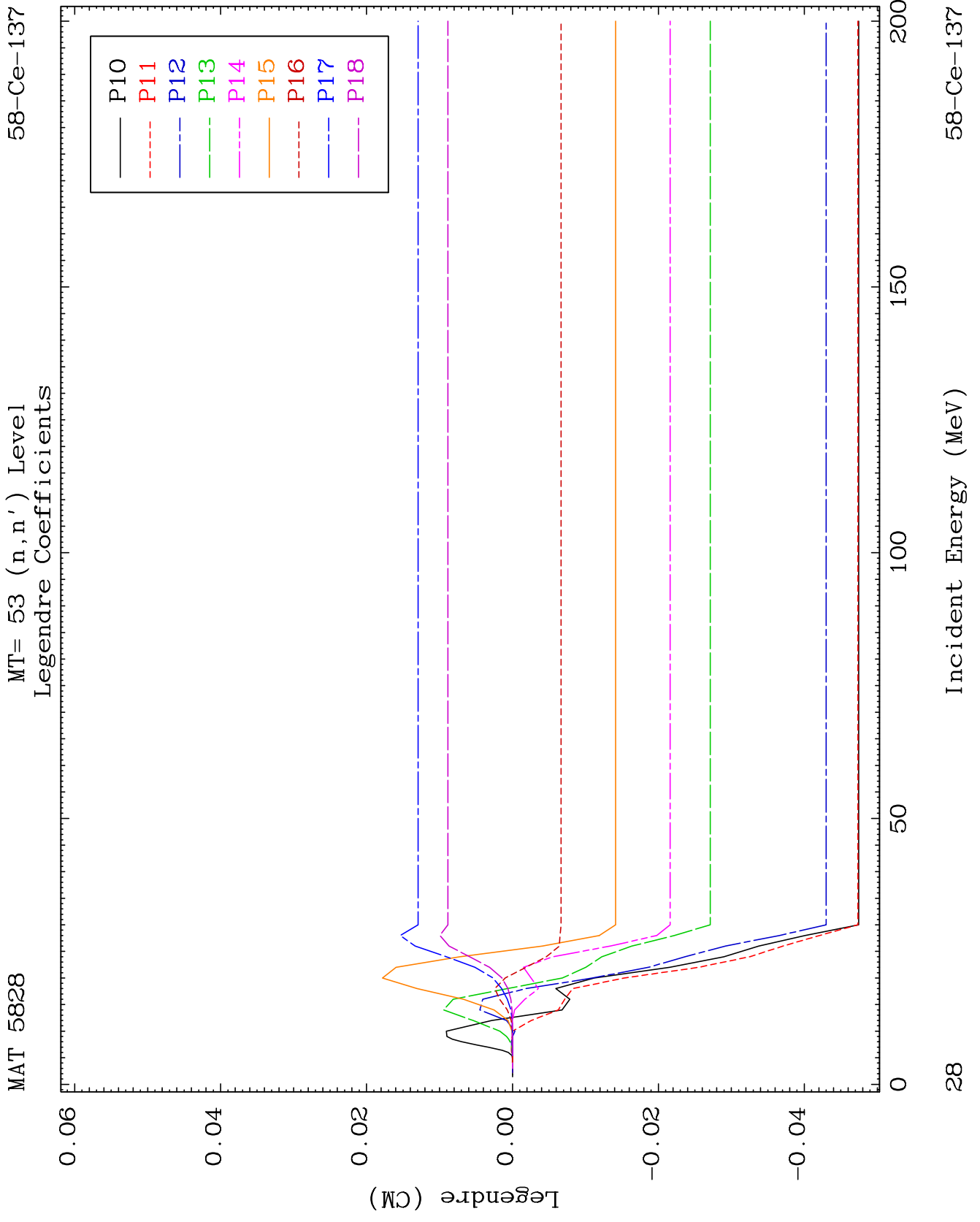
MAT 5828

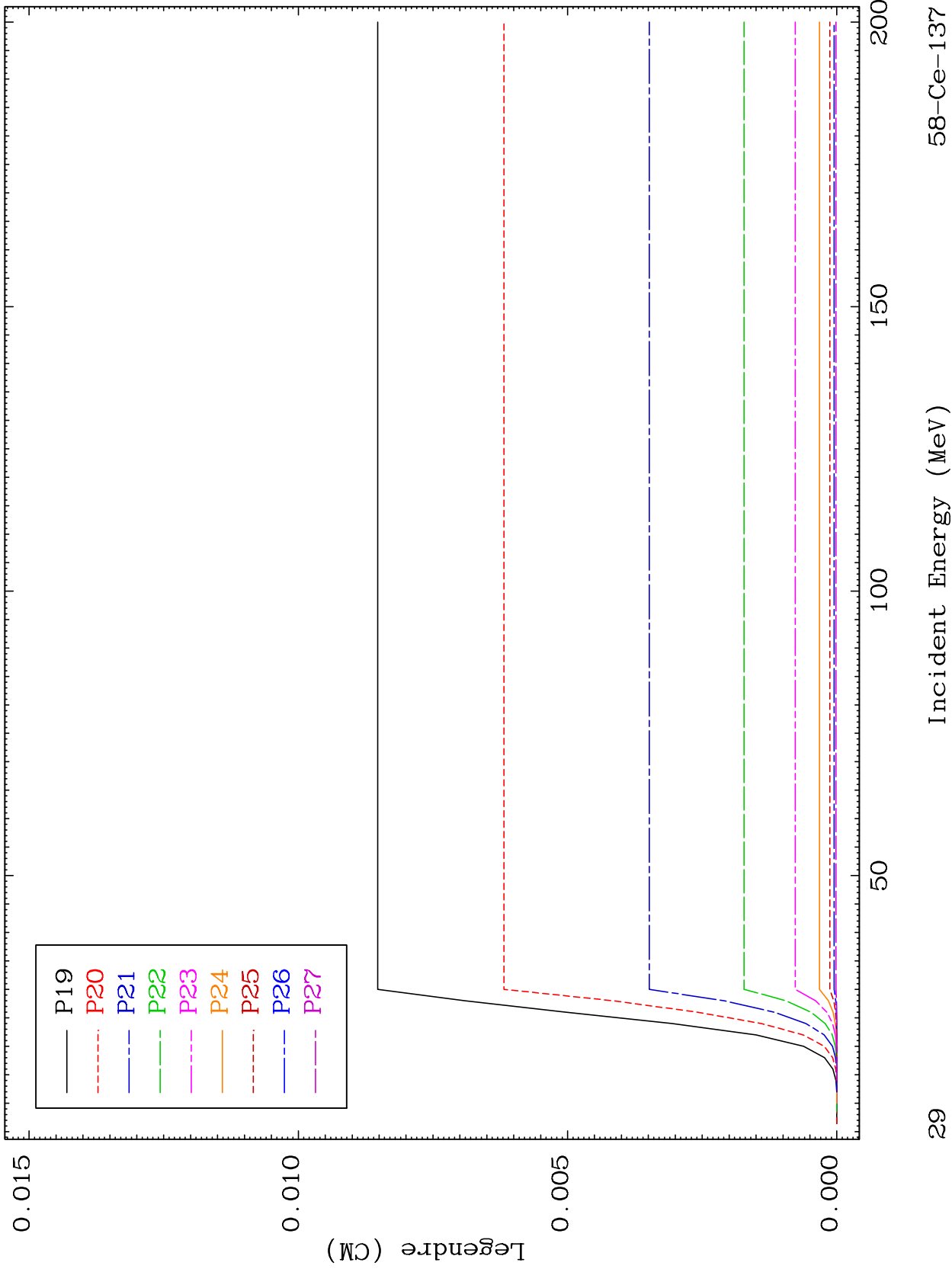
MT= 53 (n,n') Level

58-Ce-137

Legendre Coefficients



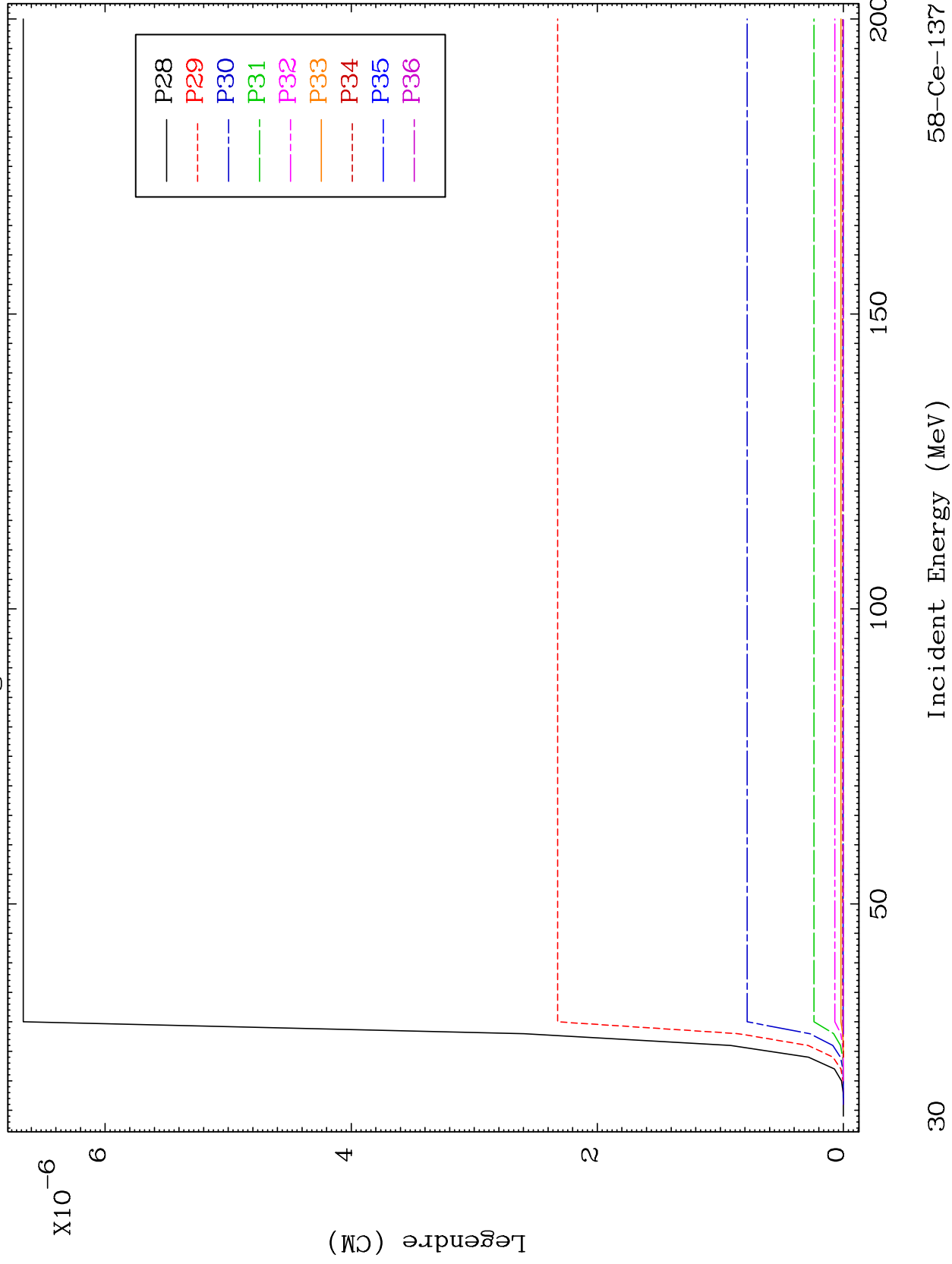




MAT 5828

MT= 53 (n,n') Level
Legendre Coefficients

58-Ce-137

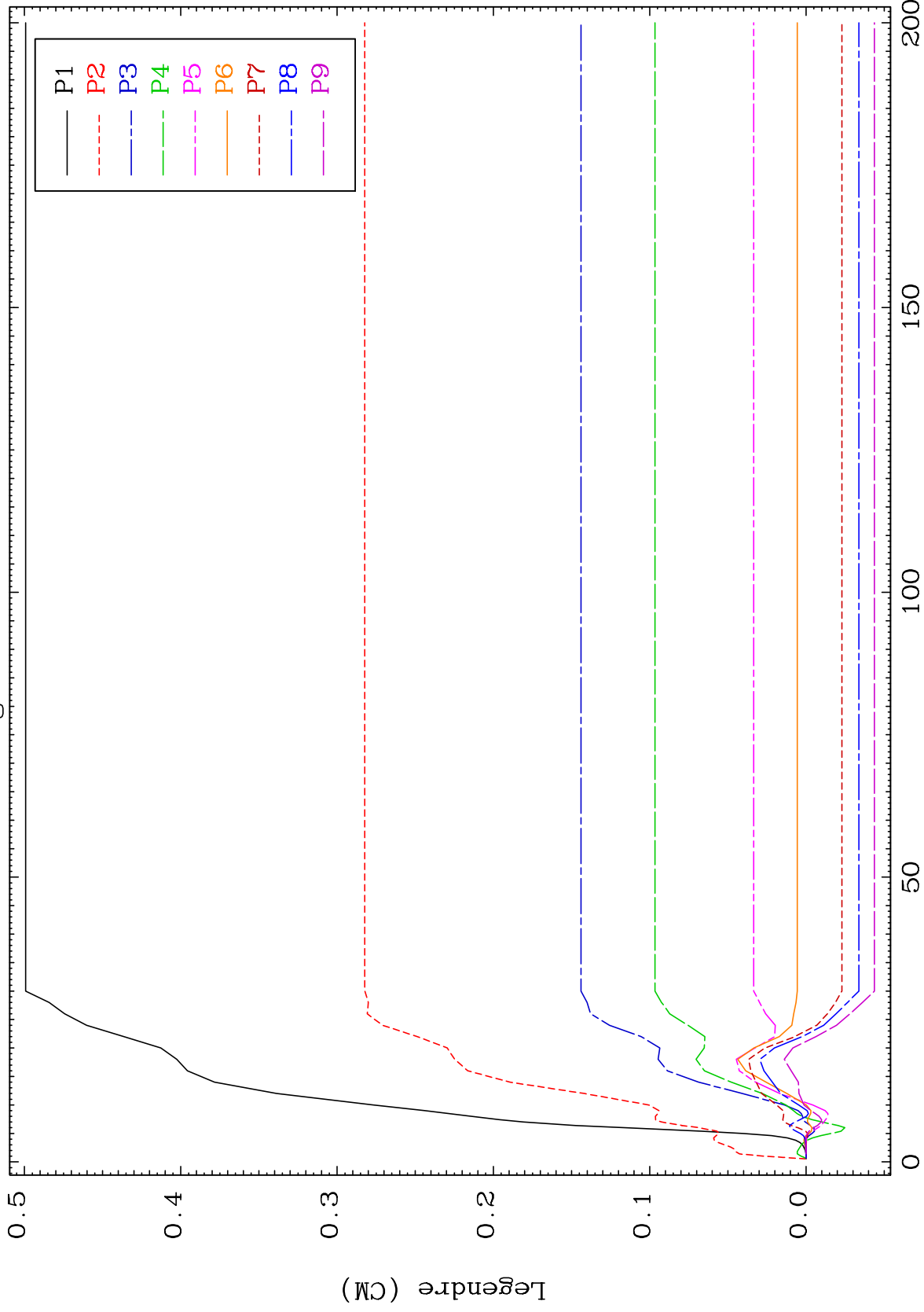


MAT 5828

MT= 54 (n,n') Level

58-Ce-137

Legendre Coefficients



31

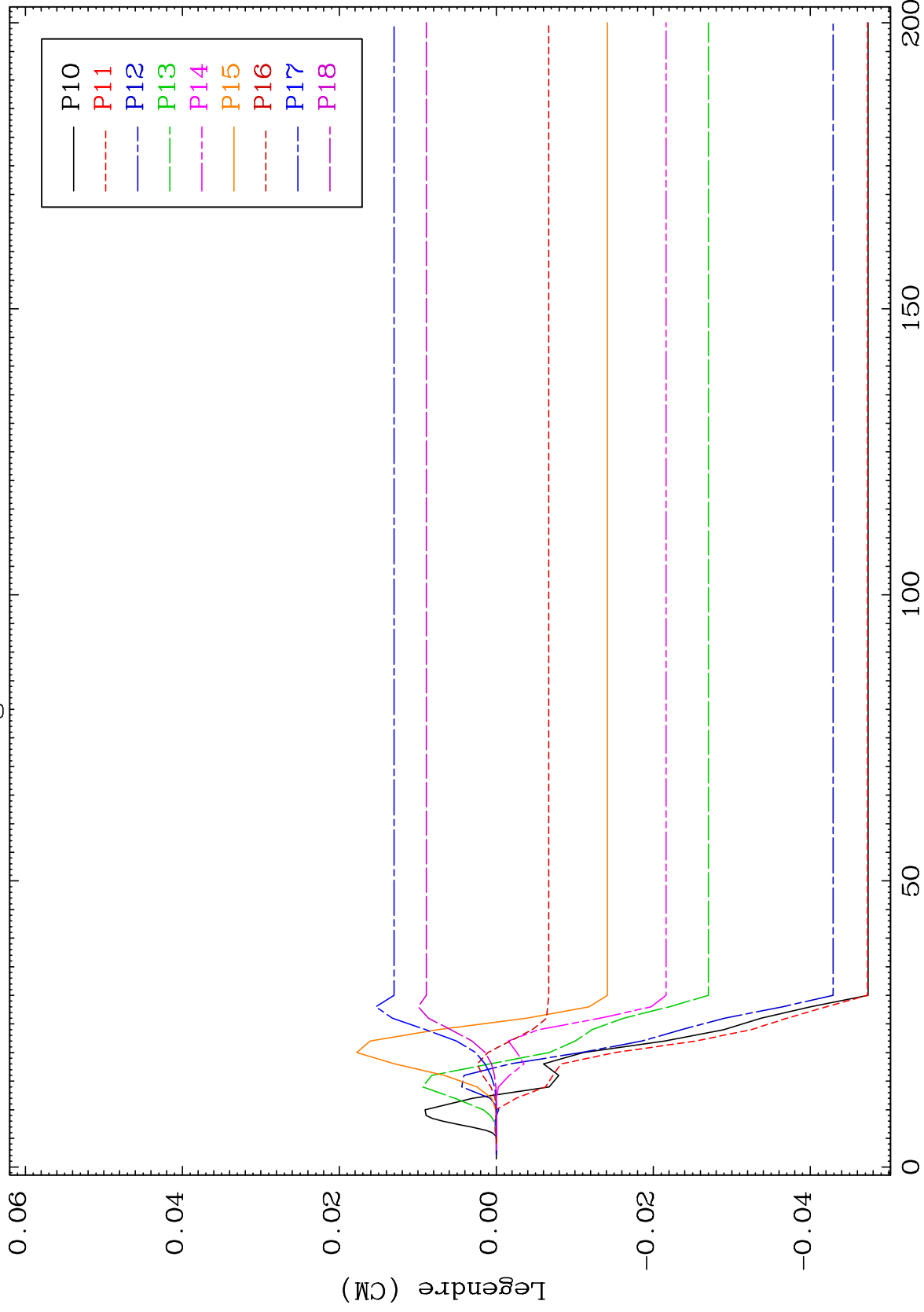
Incident Energy (MeV)

58-Ce-137

MAT 5828

MT= 54 (n,n') Level
Legendre Coefficients

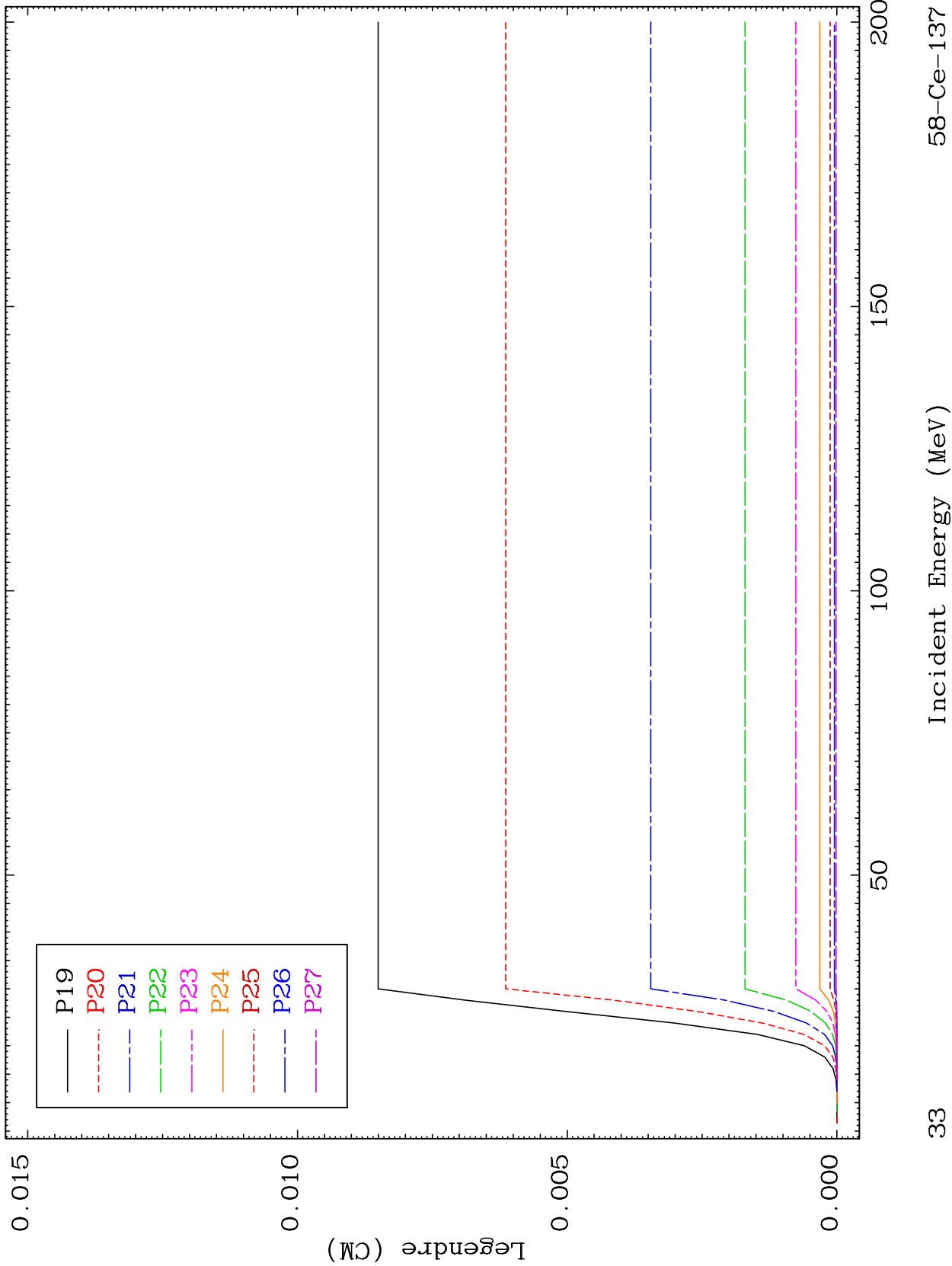
58-Ce-137



32

Incident Energy (MeV)

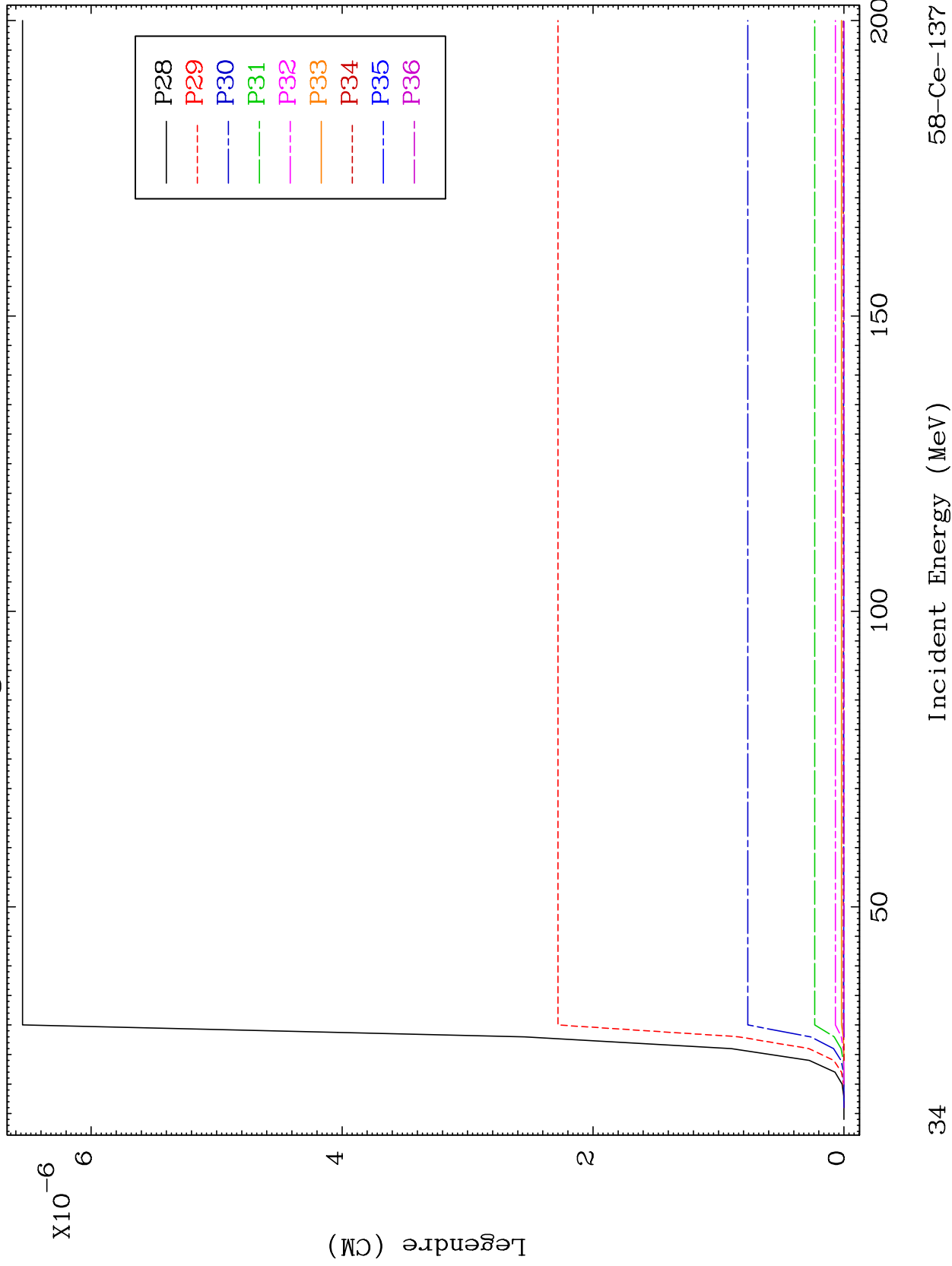
58-Ce-137



MAT 5828

MT= 54 (n,n') Level
Legendre Coefficients

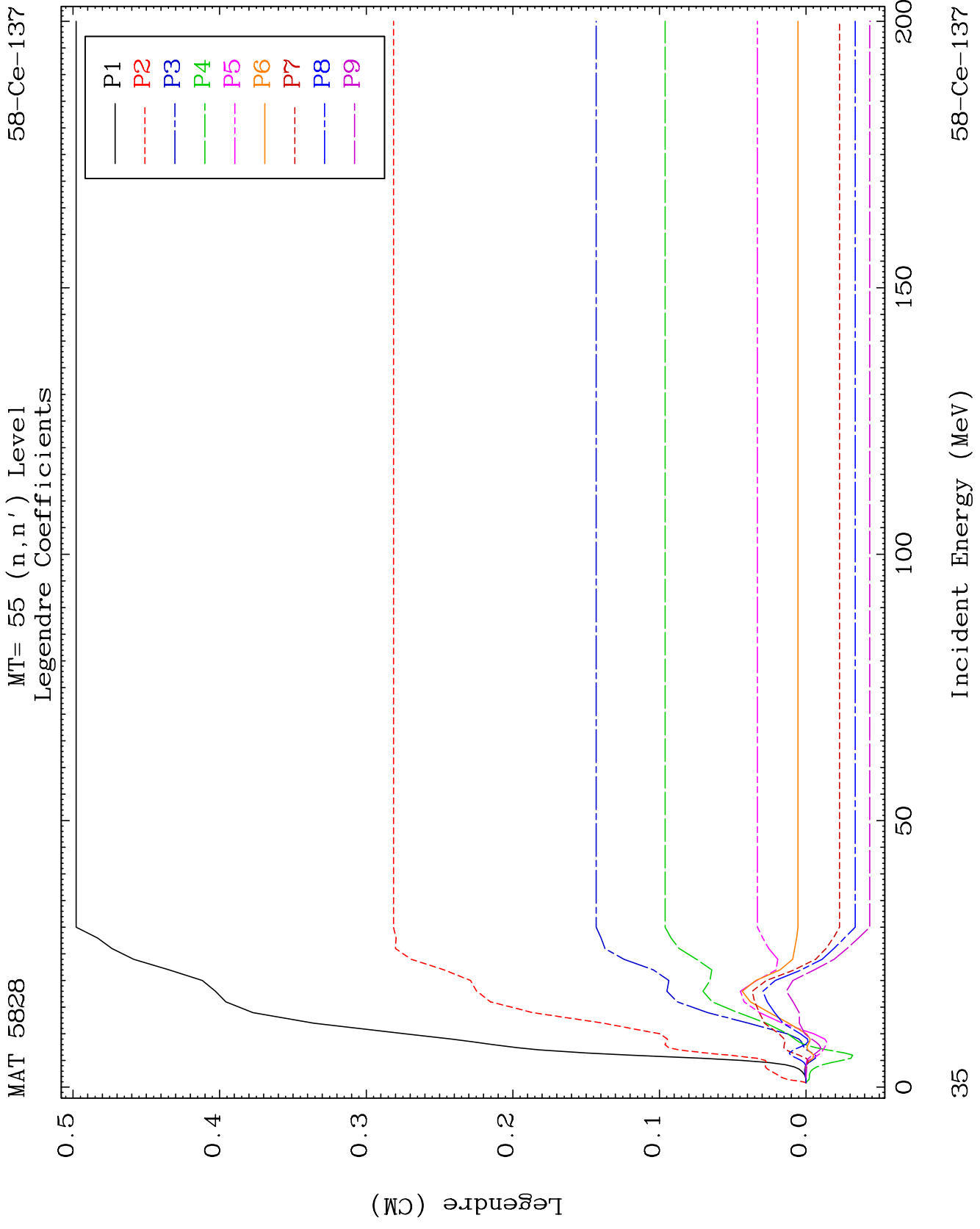
58-Ce-137



34

Incident Energy (MeV)

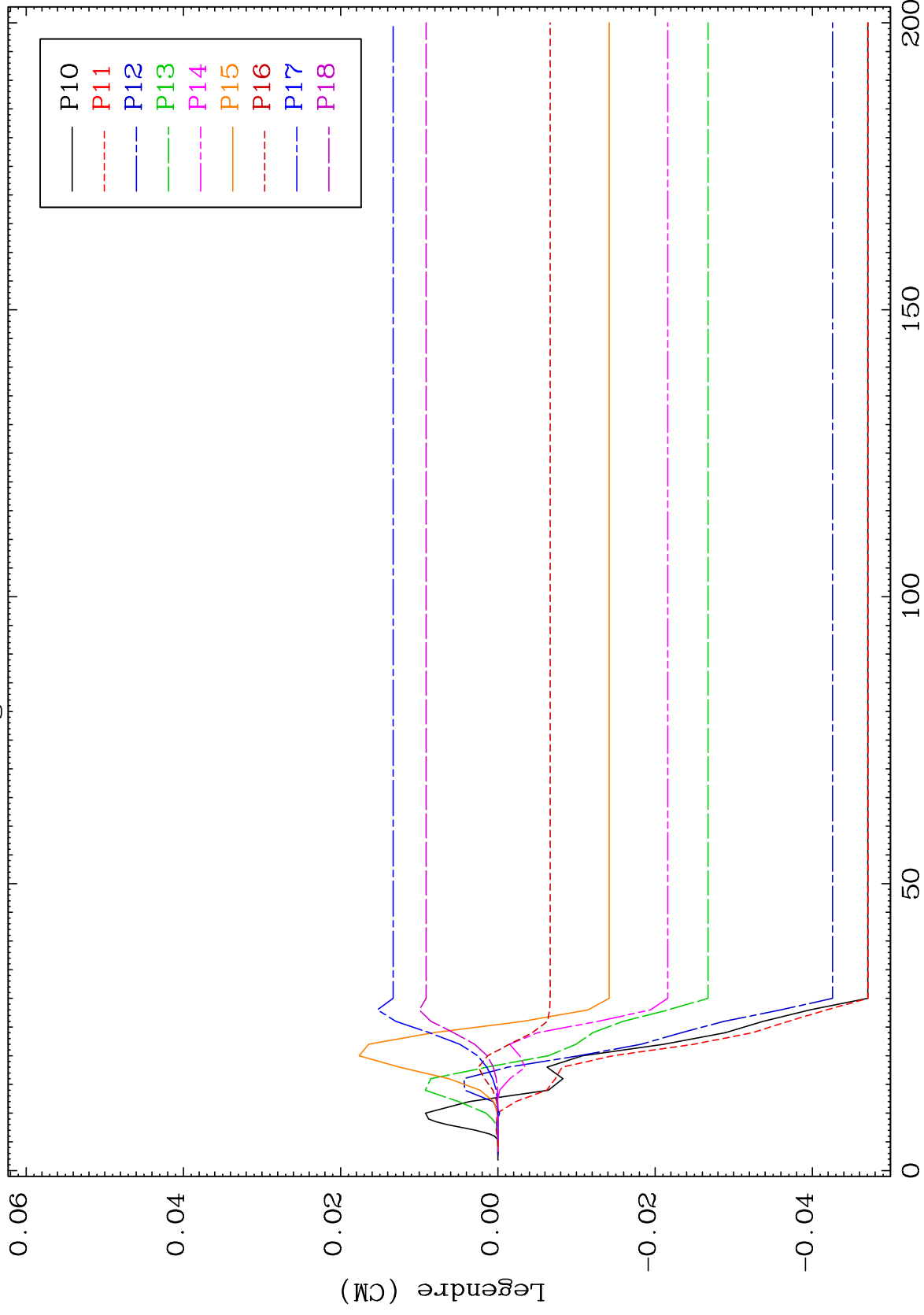
58-Ce-137



MAT 5828

MT= 55 (n,n') Level
Legendre Coefficients

58-Ce-137



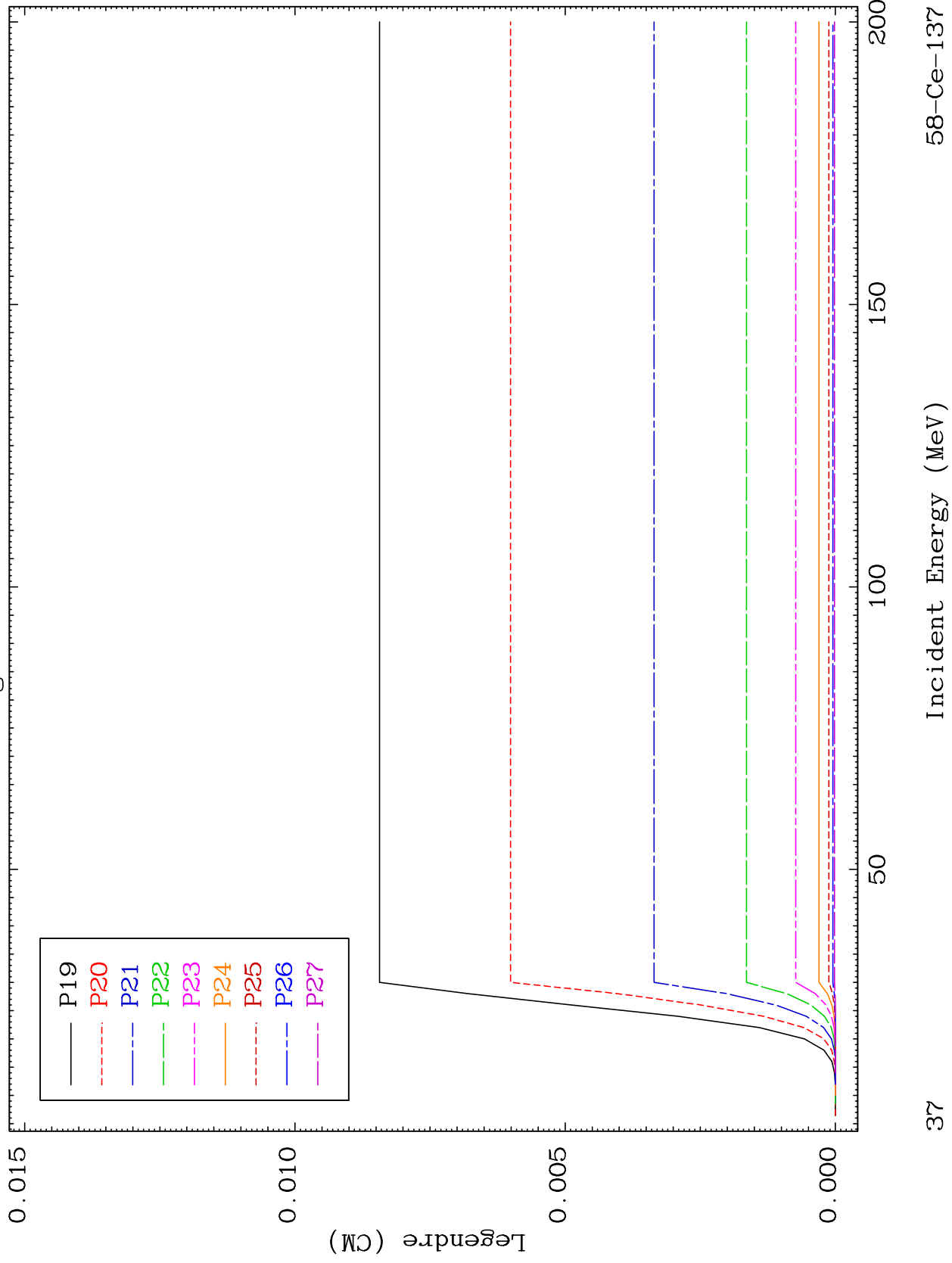
36

58-Ce-137

MAT 5828

MT= 55 (n,n') Level
Legendre Coefficients

58-Ce-137



37

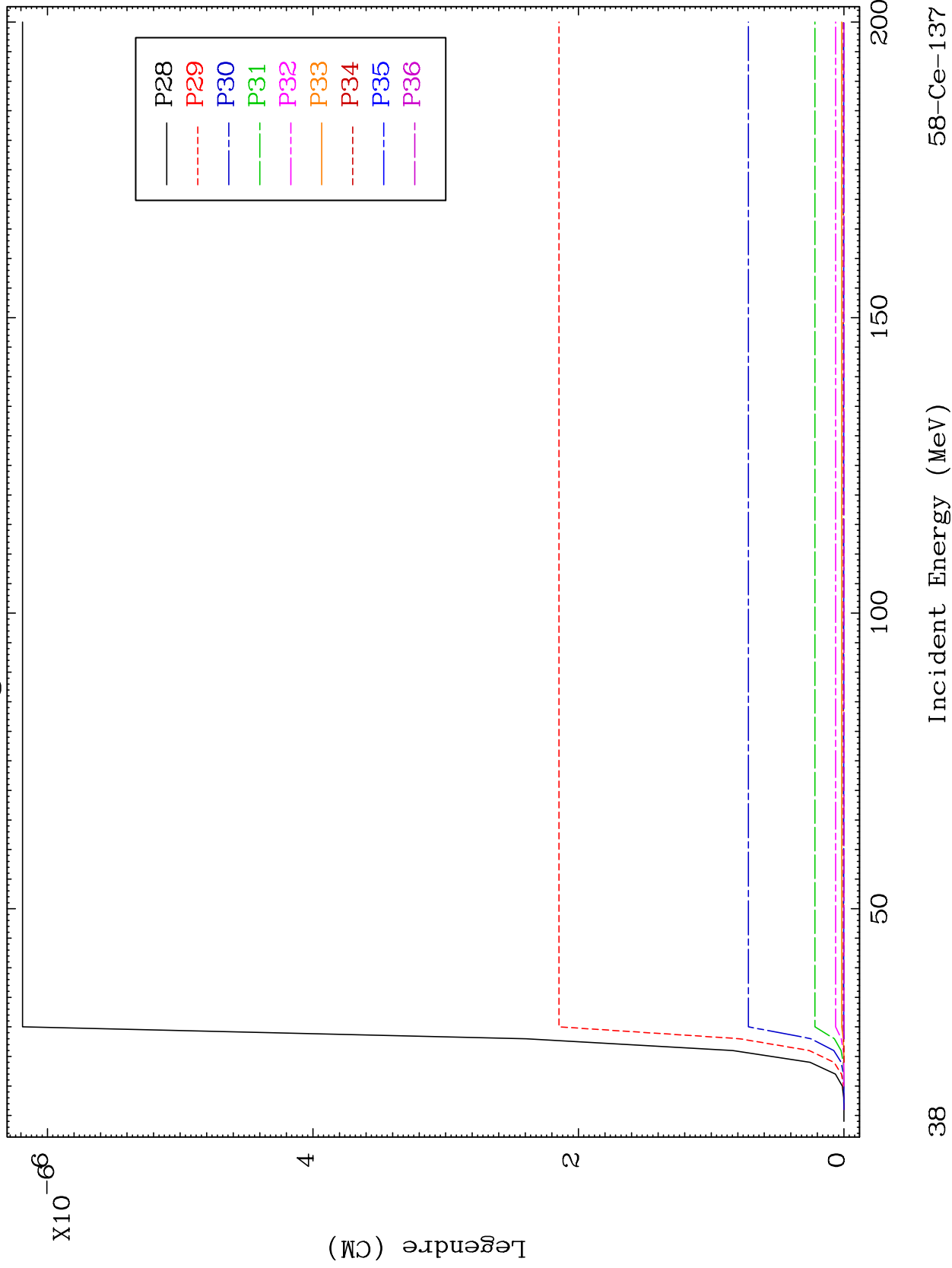
Incident Energy (MeV)

58-Ce-137

MAT 5828

MT= 55 (n,n') Level
Legendre Coefficients

58-Ce-137



38

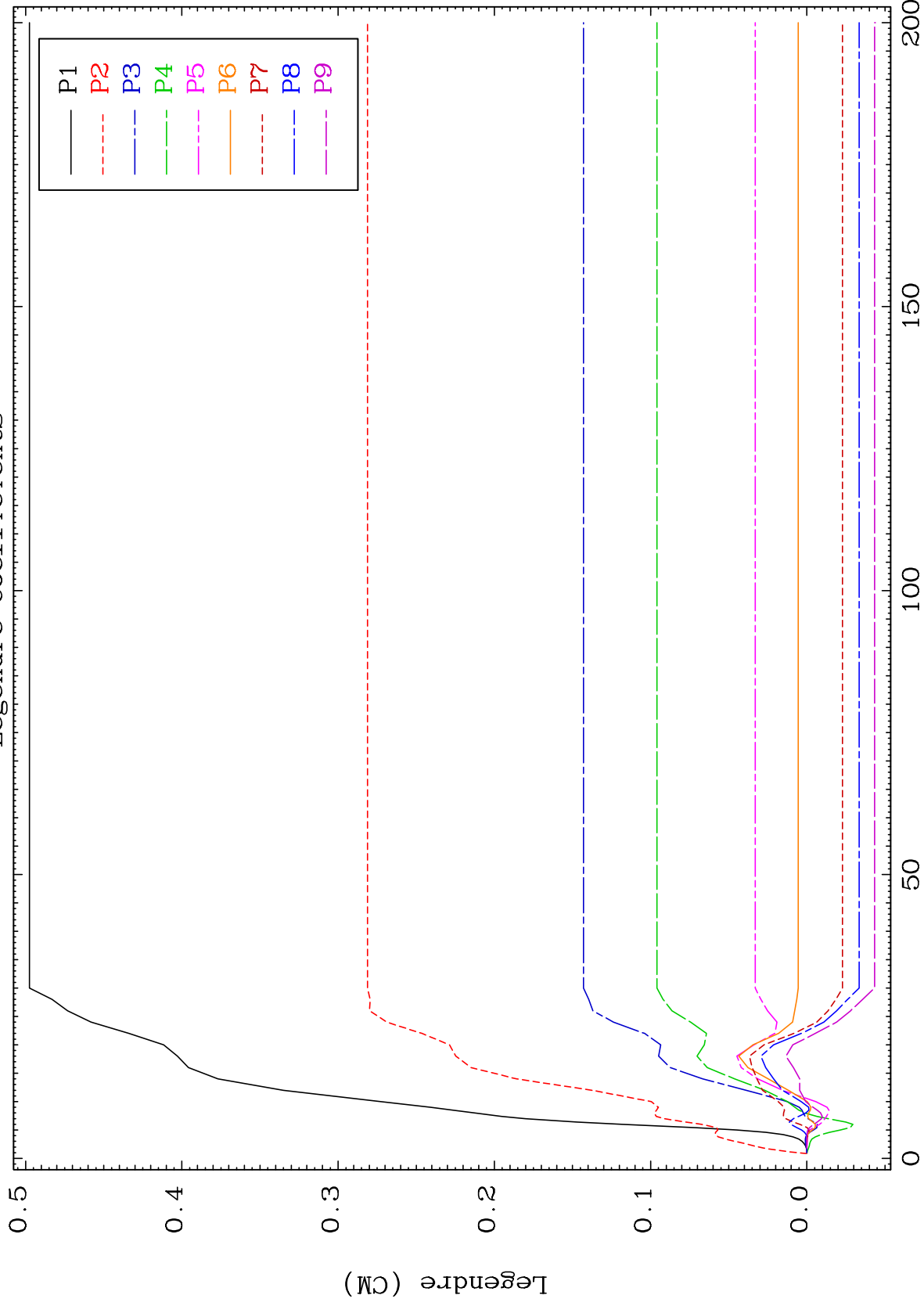
Incident Energy (MeV)

58-Ce-137

MAT 5828

MT= 56 (n,n') Level
Legendre Coefficients

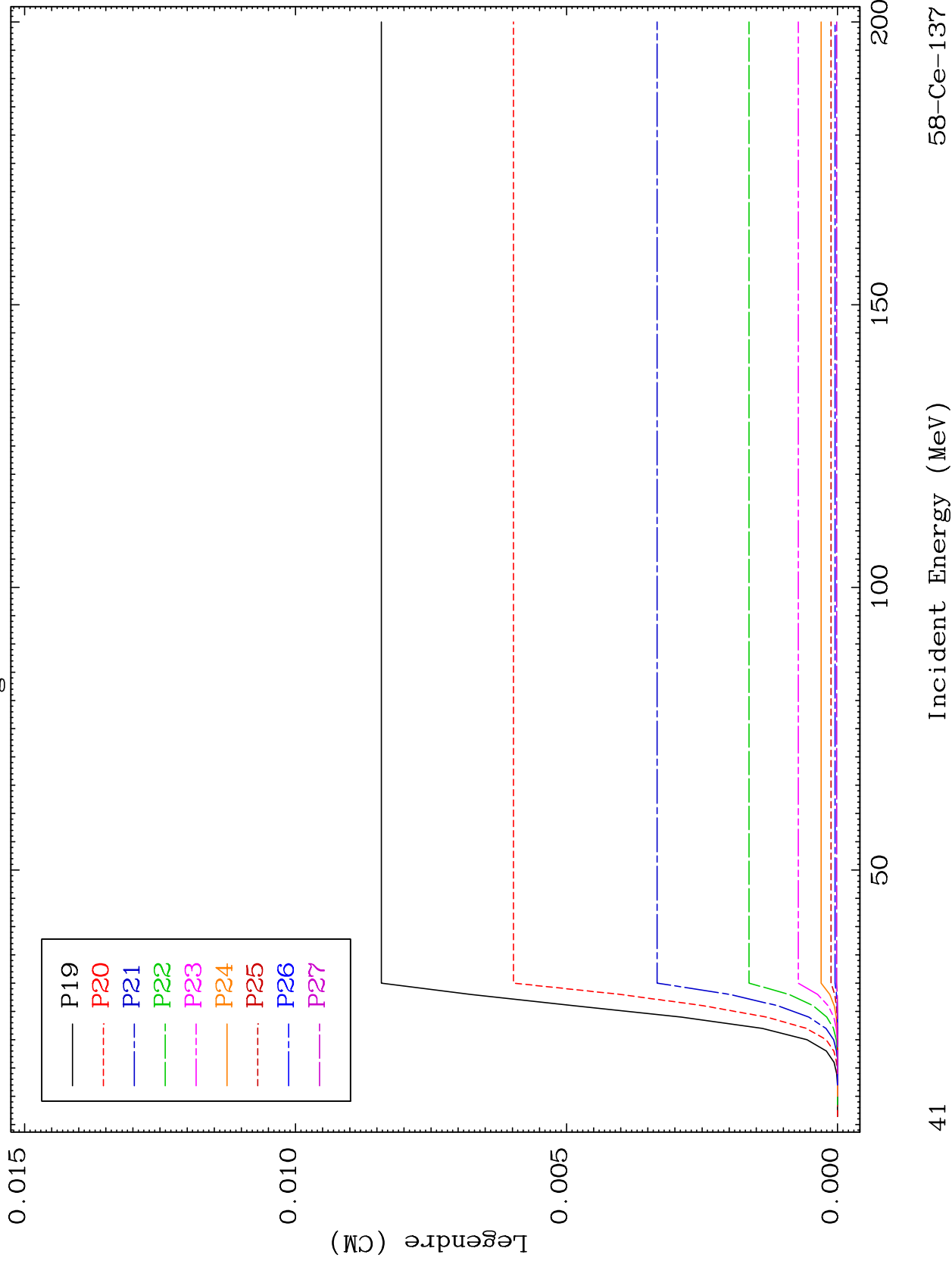
58-Ce-137



39

Incident Energy (MeV)

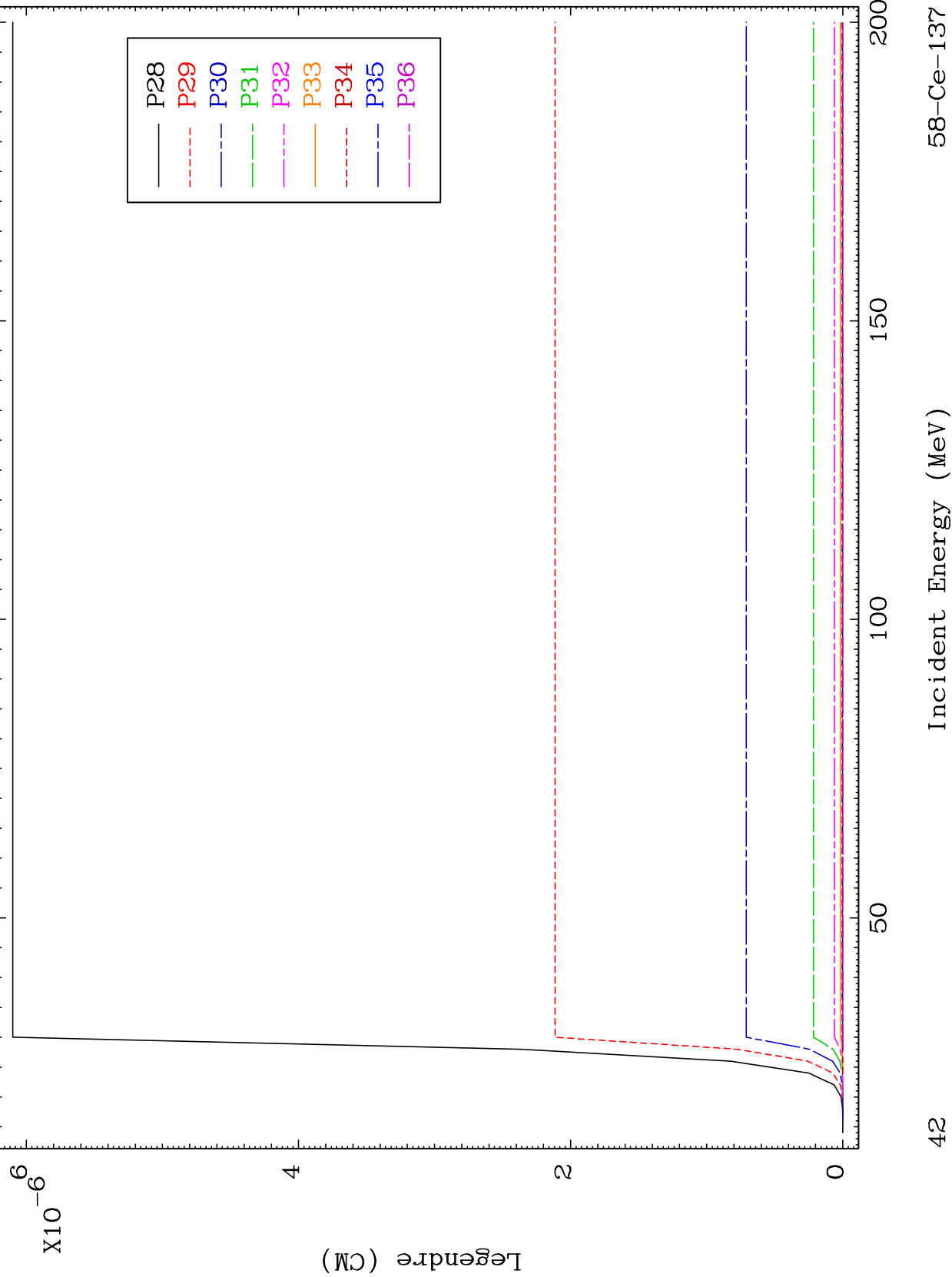
58-Ce-137



MAT 5828

MT= 56 (n,n') Level
Legendre Coefficients

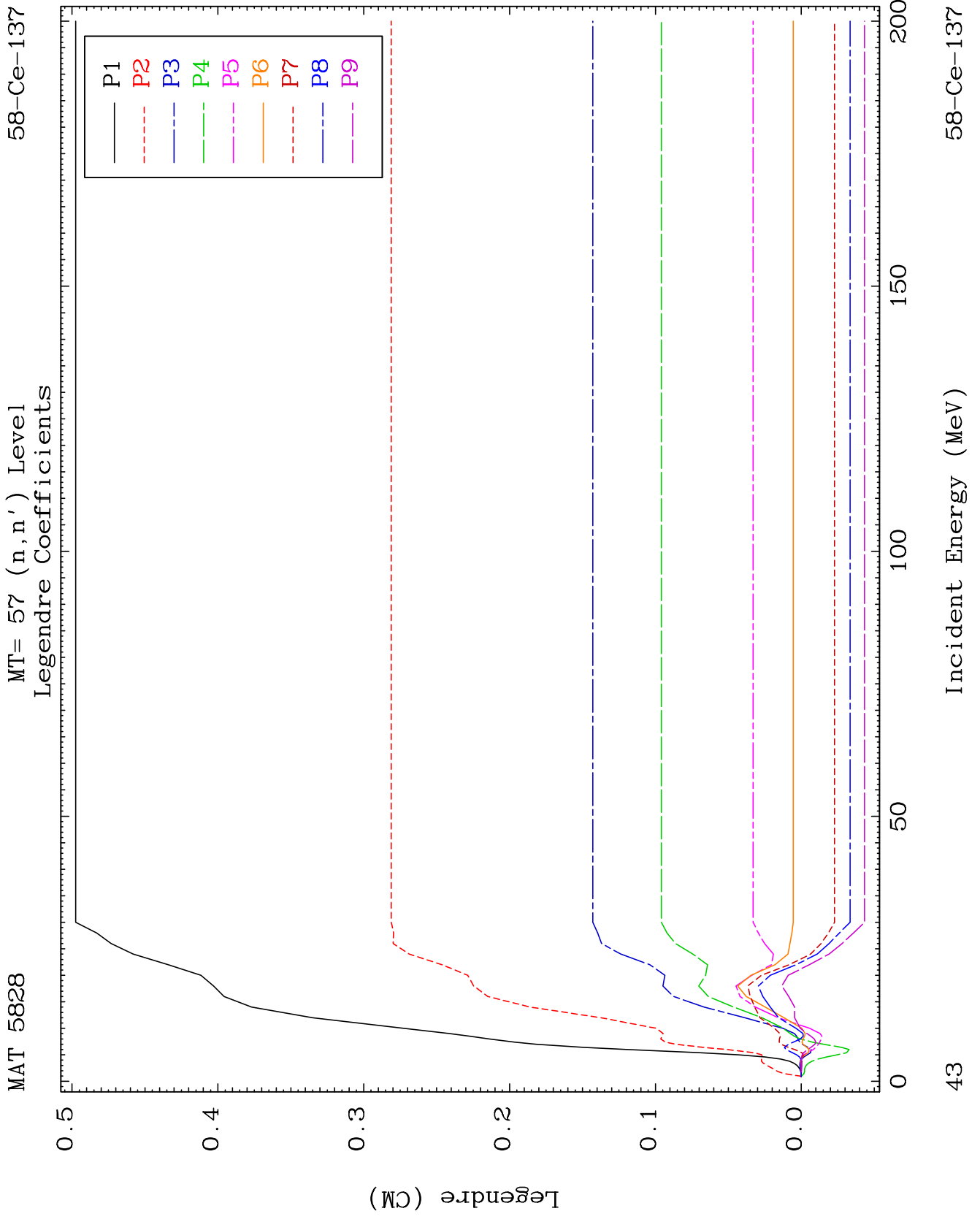
58-Ce-137



42

Incident Energy (MeV)

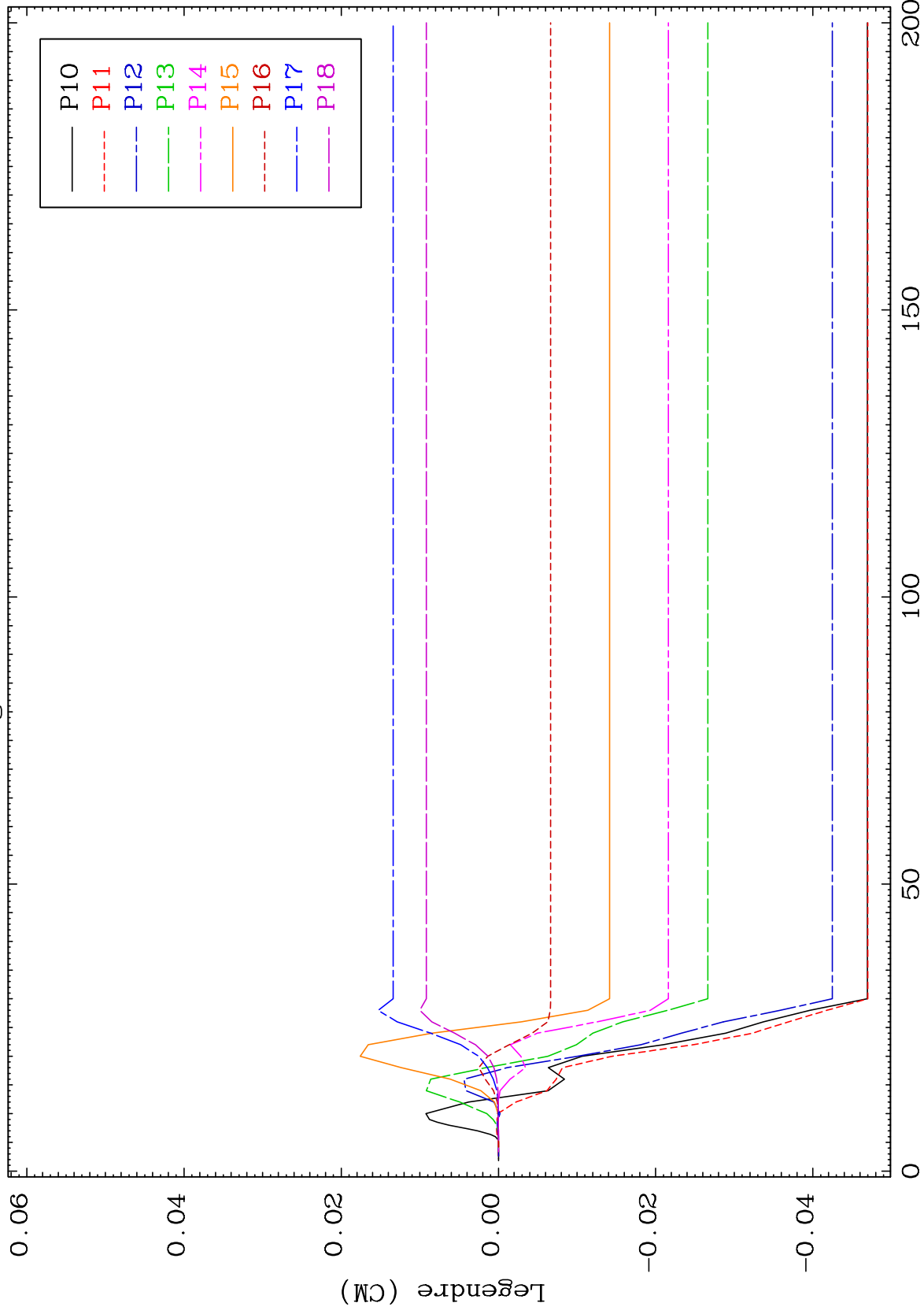
58-Ce-137



MAT 5828

MT= 57 (n,n') Level
Legendre Coefficients

58-Ce-137



44

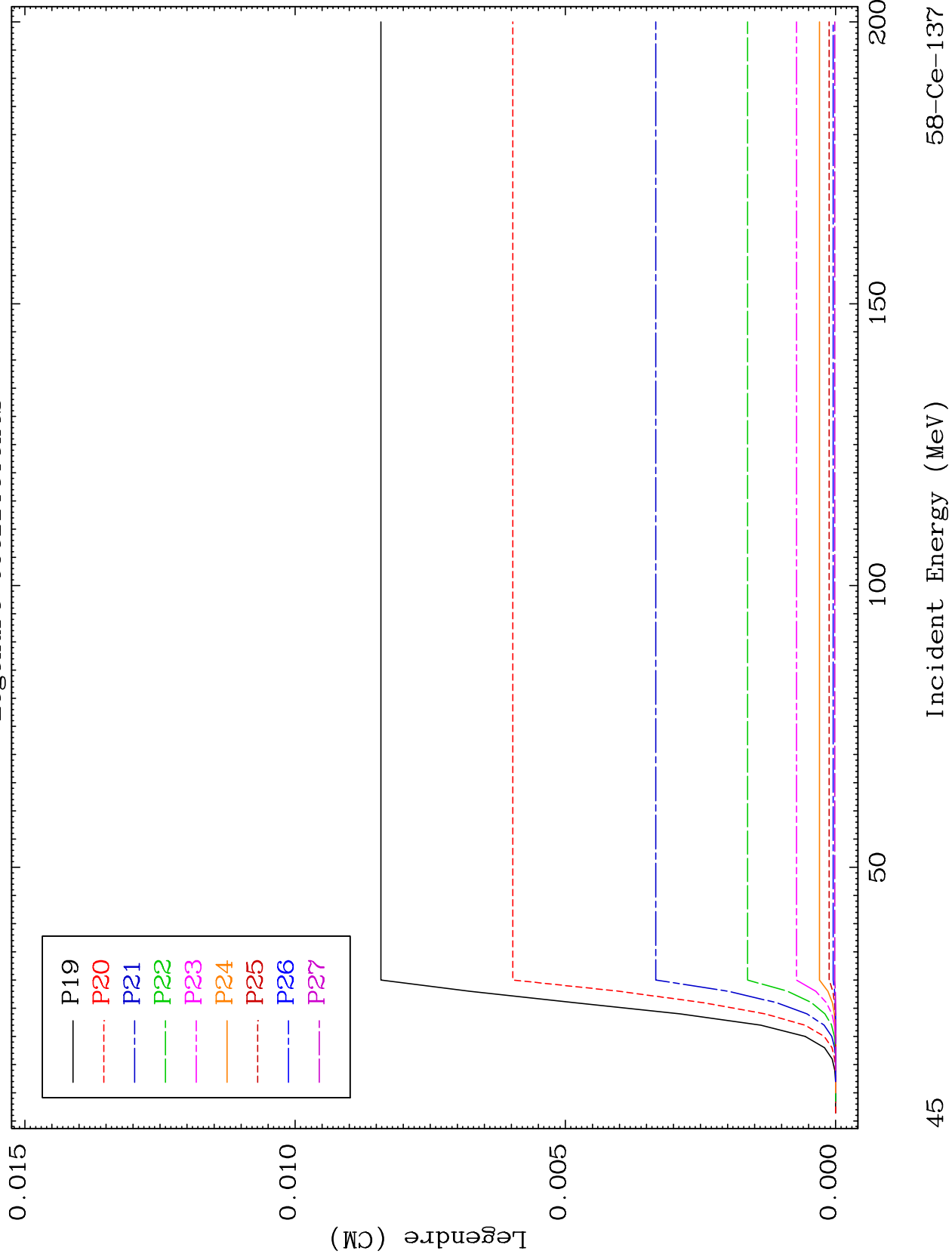
Incident Energy (MeV)

58-Ce-137

MAT 5828

MT= 57 (n,n') Level
Legendre Coefficients

58-Ce-137



58-Ce-137

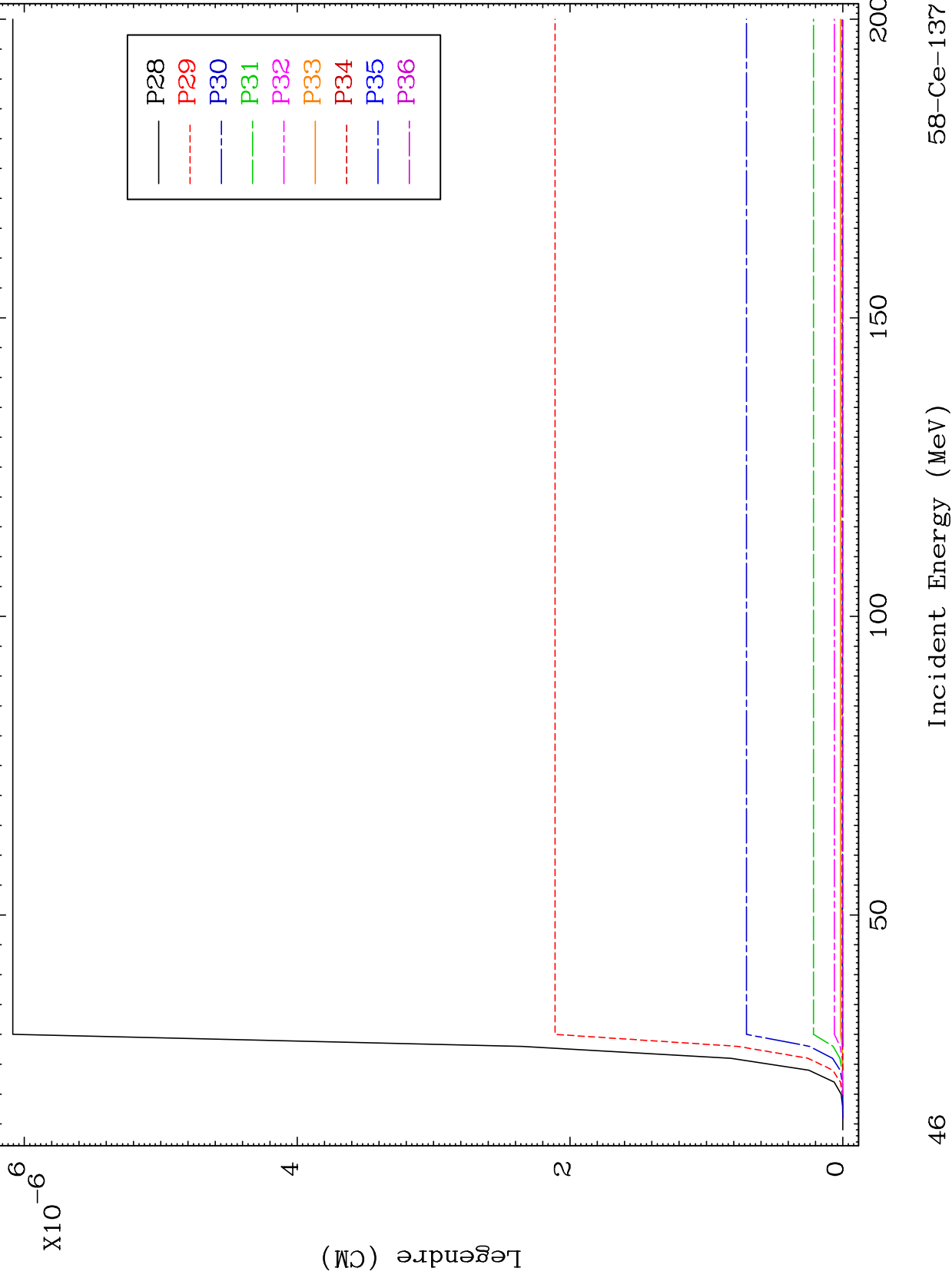
Incident Energy (MeV)

45

MAT 5828

MT= 57 (n,n') Level
Legendre Coefficients

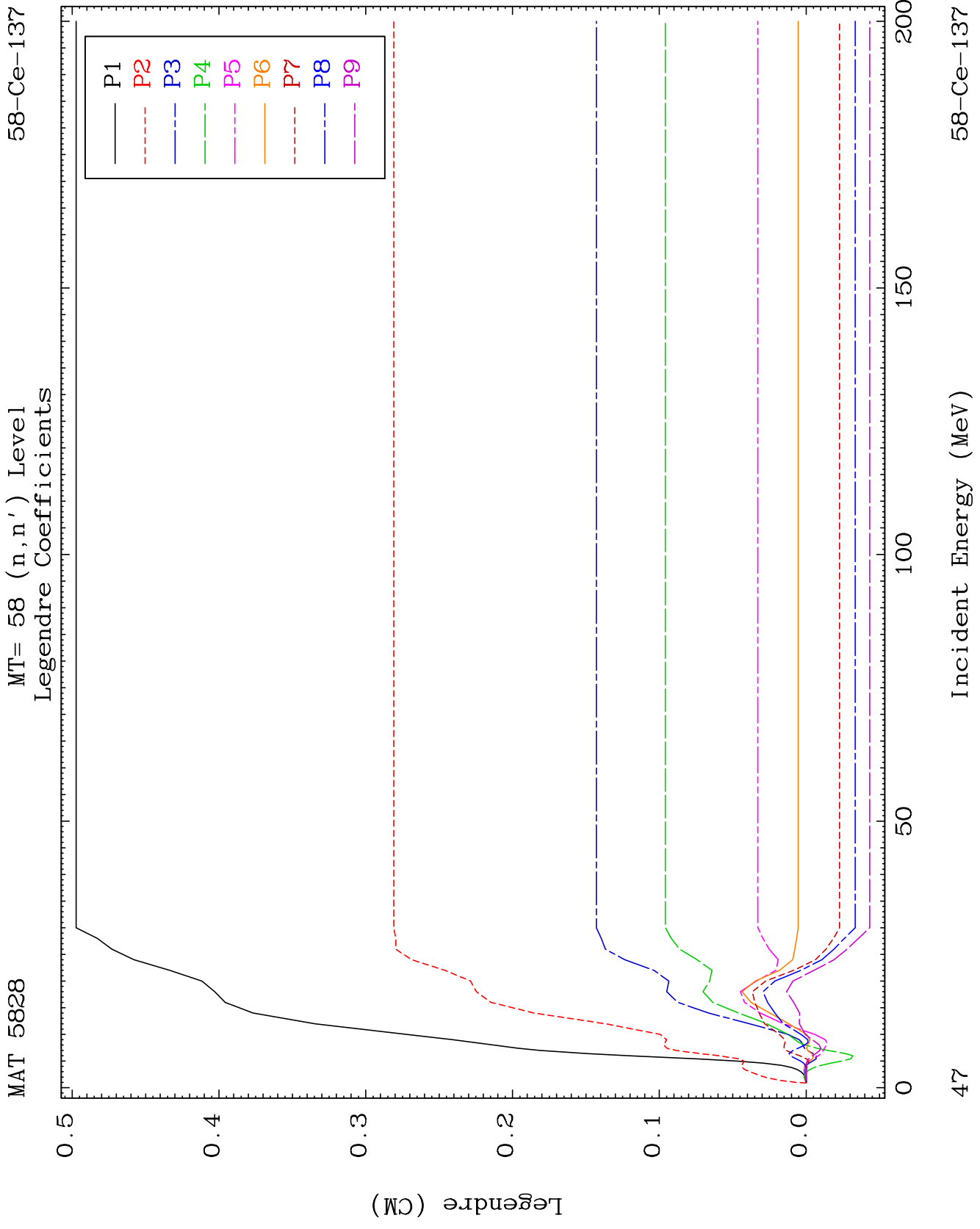
58-Ce-137

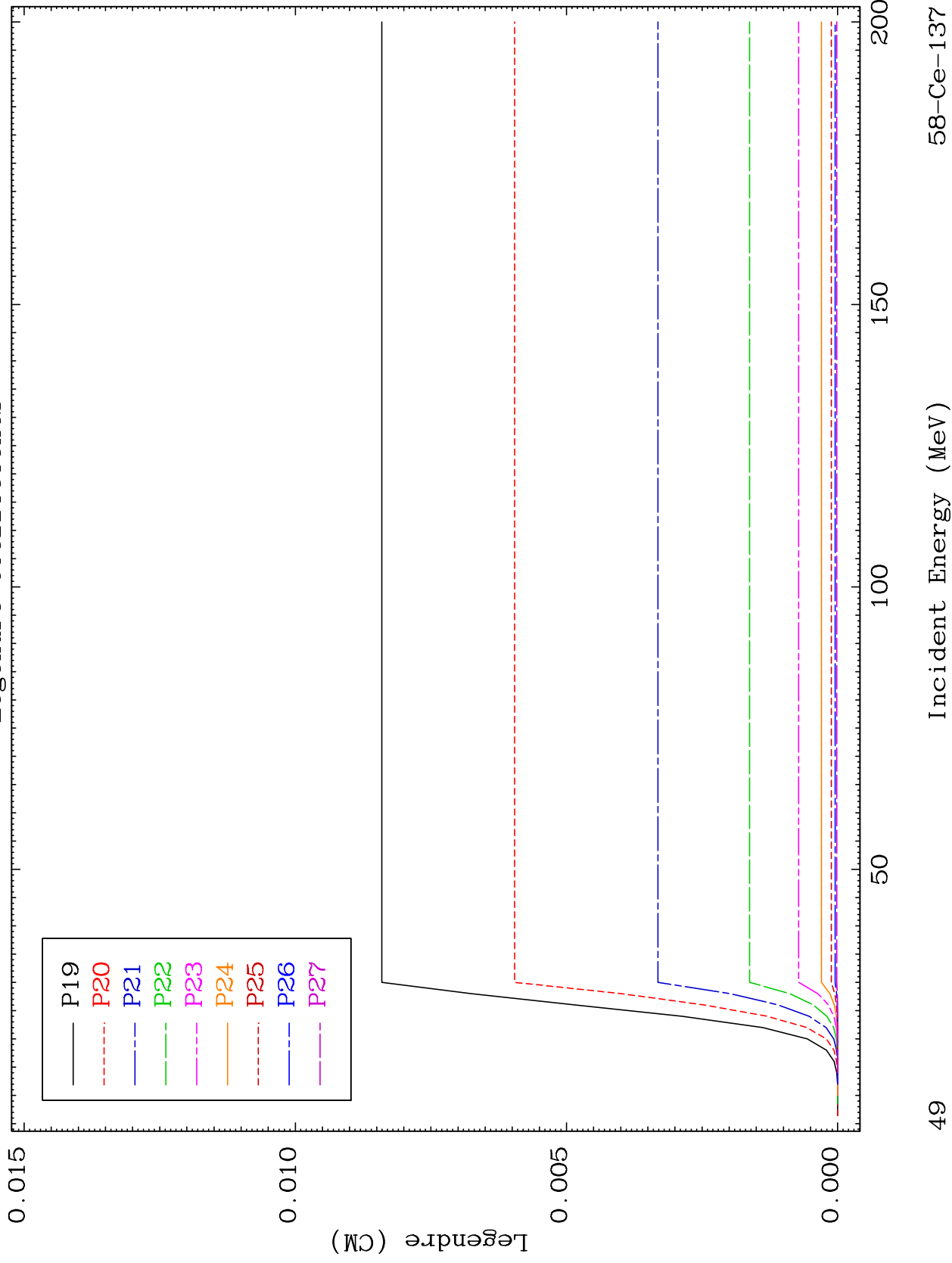


46

Incident Energy (MeV)

58-Ce-137

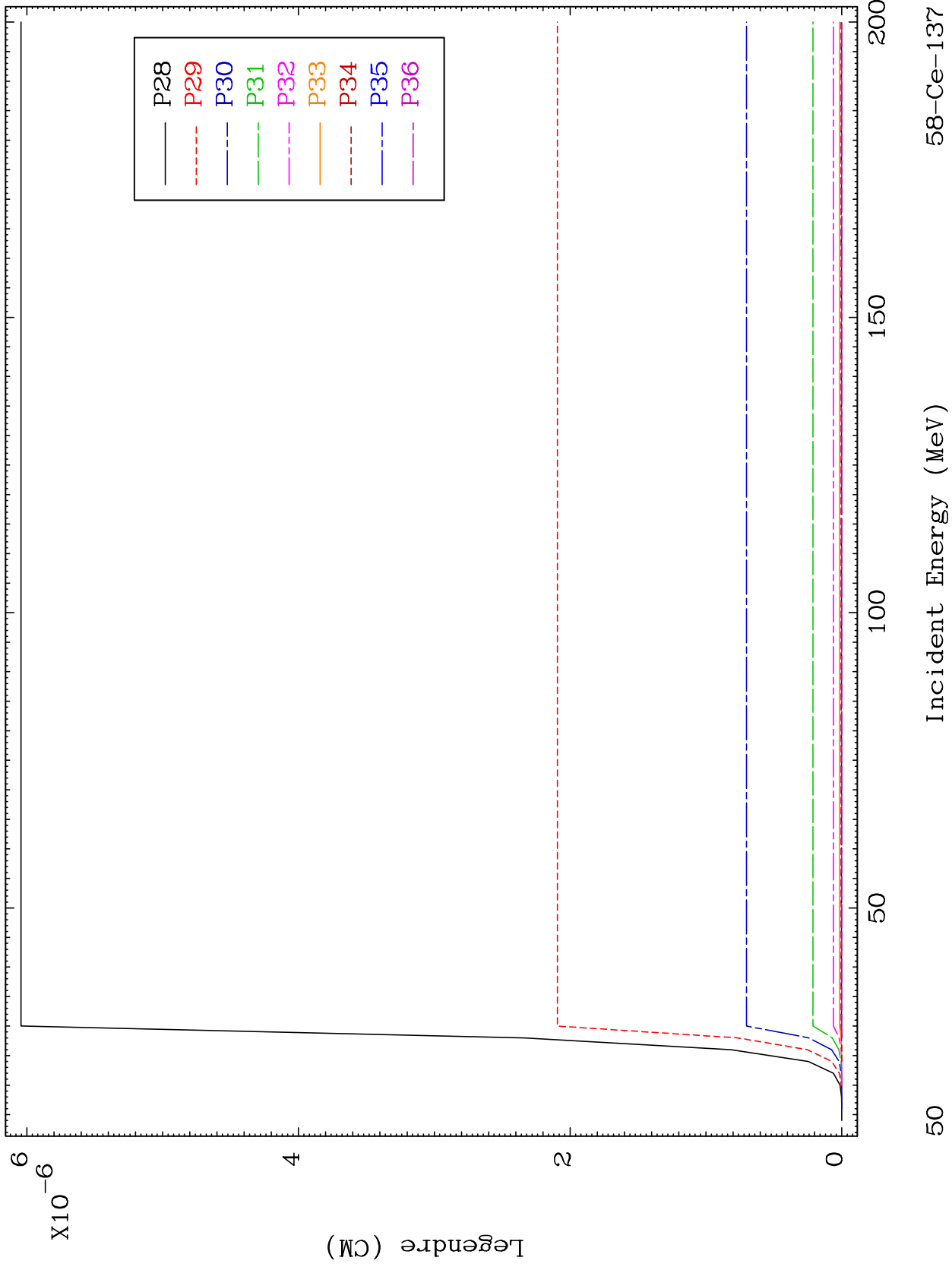




MAT 5828

MT= 58 (n,n') Level
Legendre Coefficients

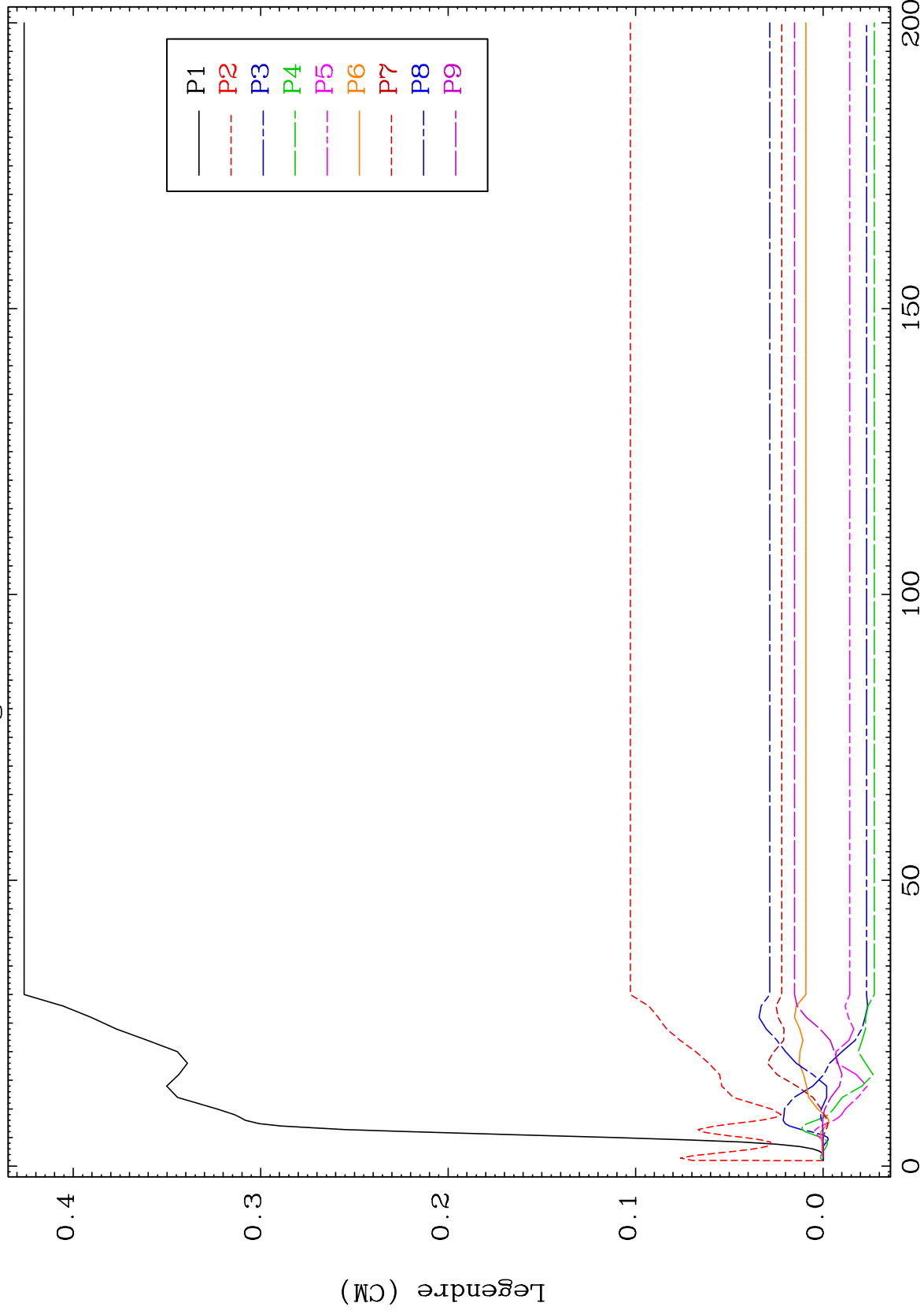
58-Ce-137



MAT 5828

MT= 59 (n,n') Level
Legendre Coefficients

58-Ce-137



51

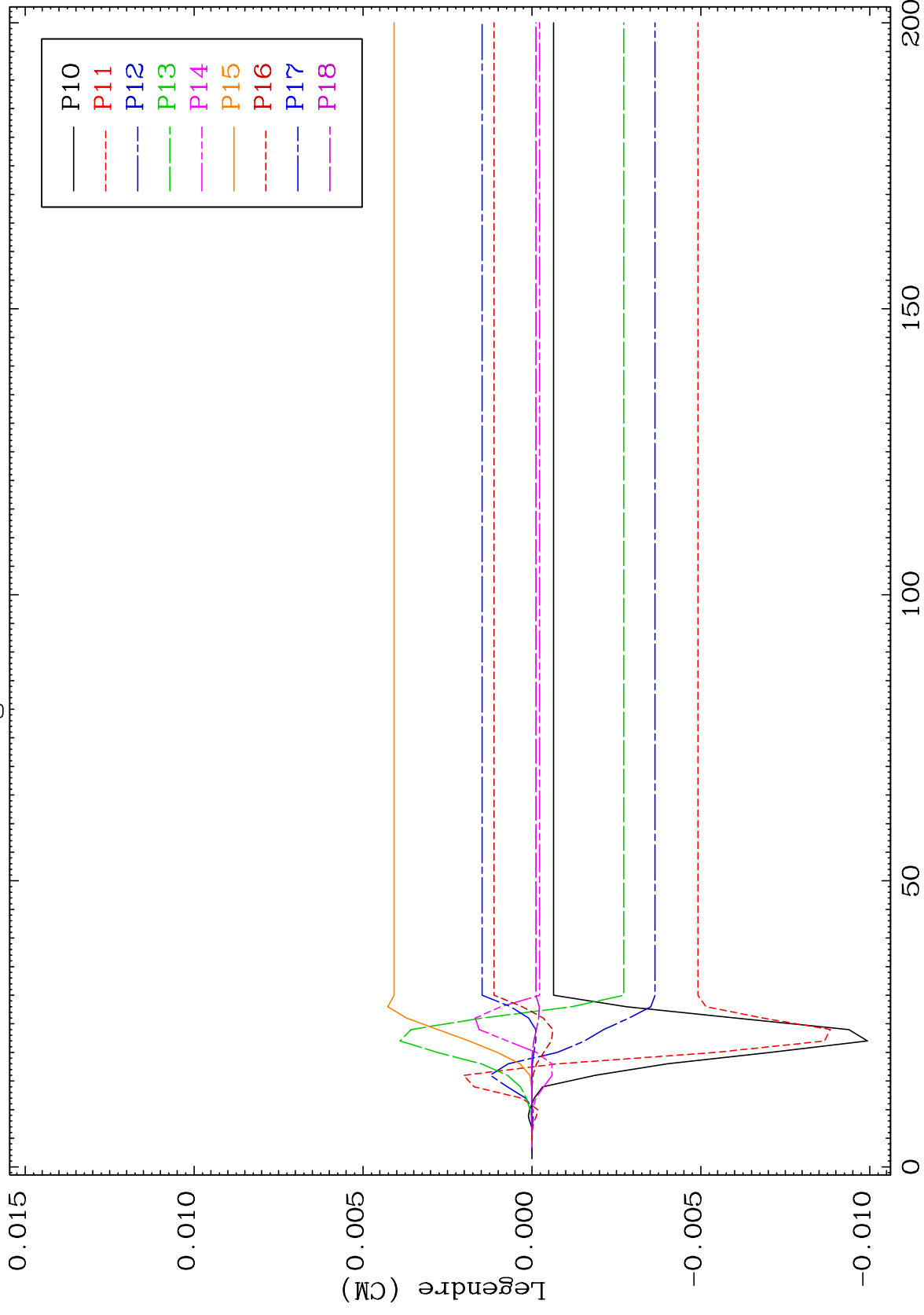
Incident Energy (MeV)

58-Ce-137

MAT 5828

MT= 59 (n,n') Level
Legendre Coefficients

58-Ce-137



52

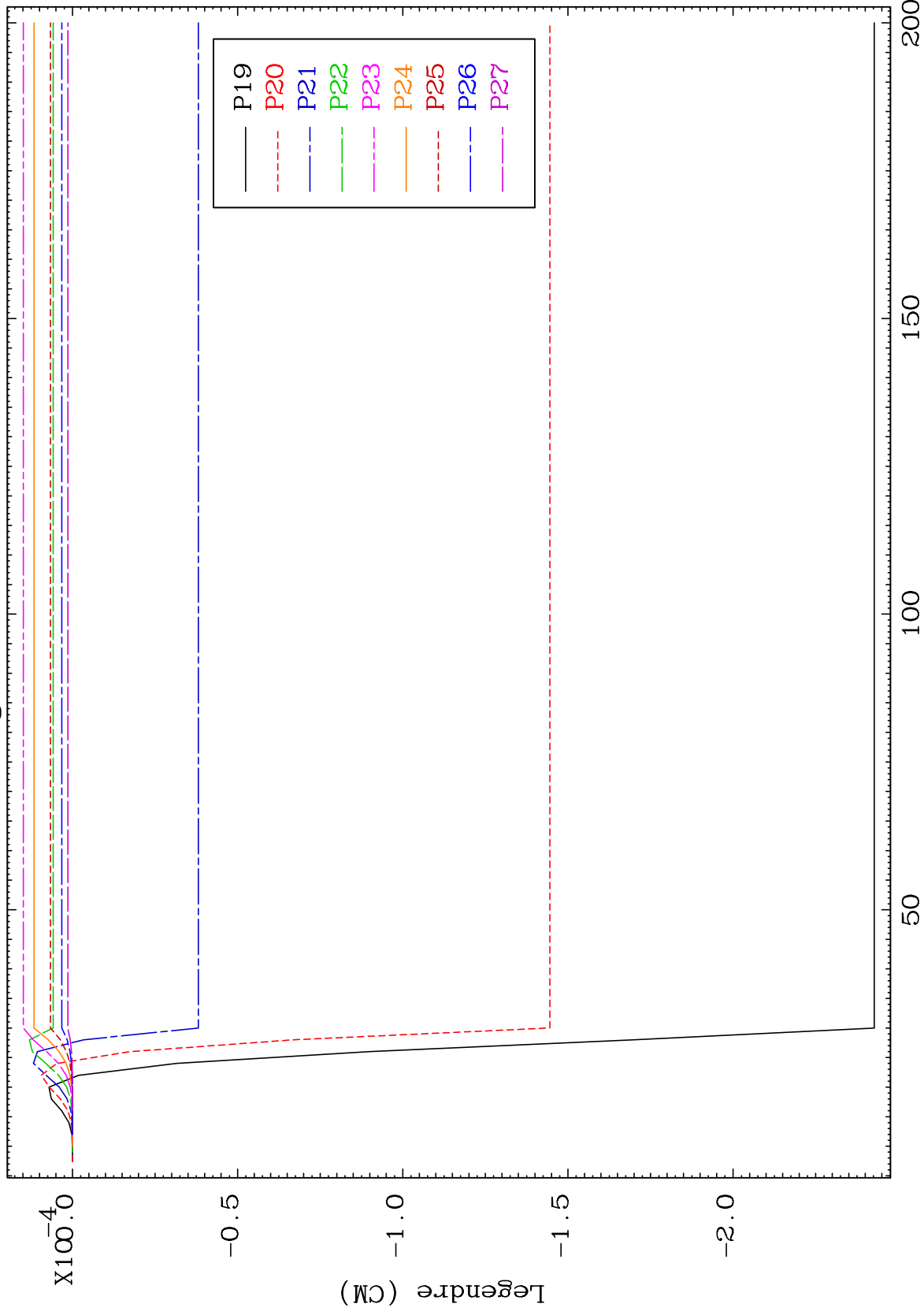
Incident Energy (MeV)

58-Ce-137

MAT 5828

MT= 59 (n,n') Level
Legendre Coefficients

58-Ce-137



53

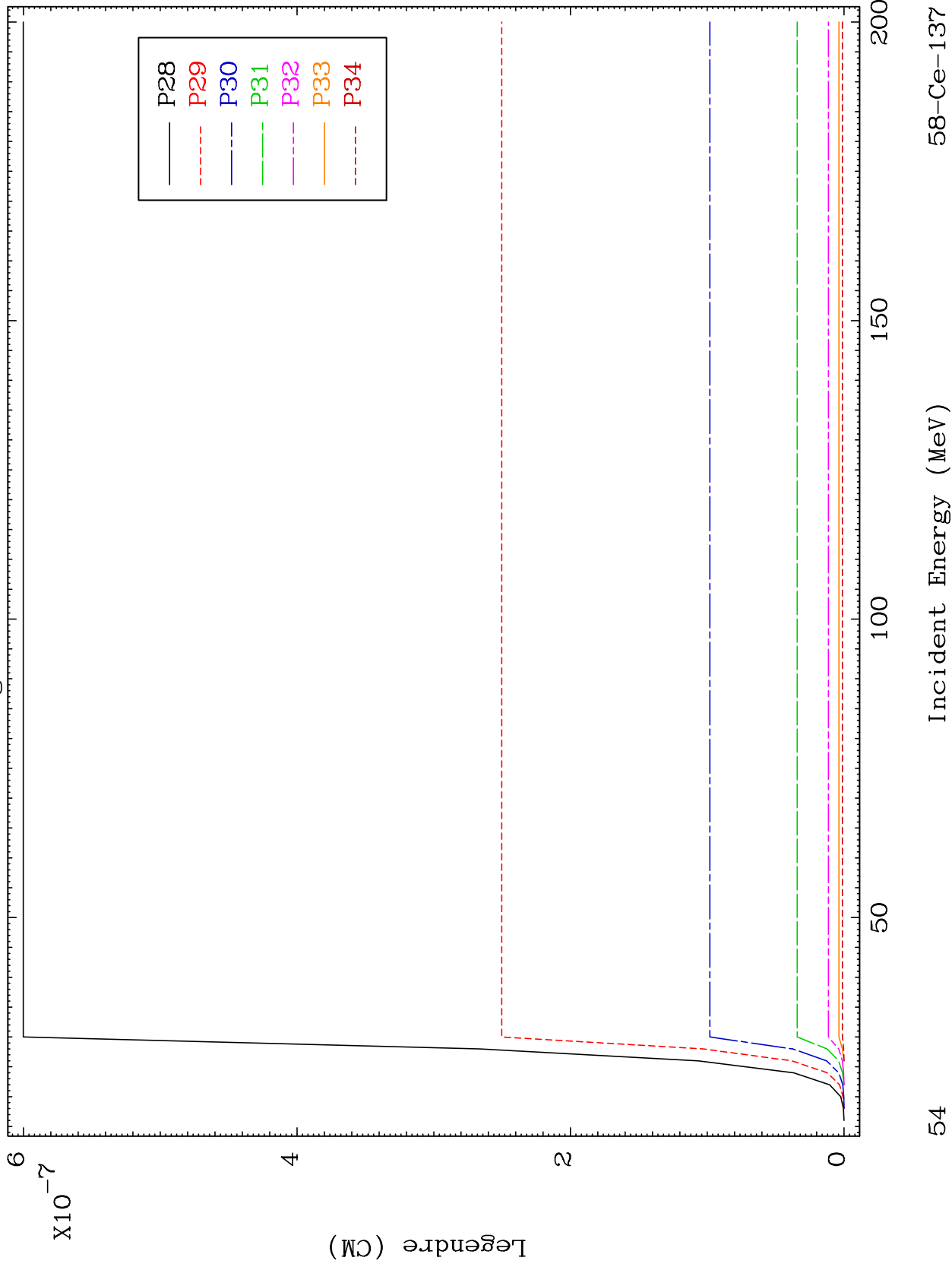
Incident Energy (MeV)

58-Ce-137

MAT 5828

MT= 59 (n,n') Level
Legendre Coefficients

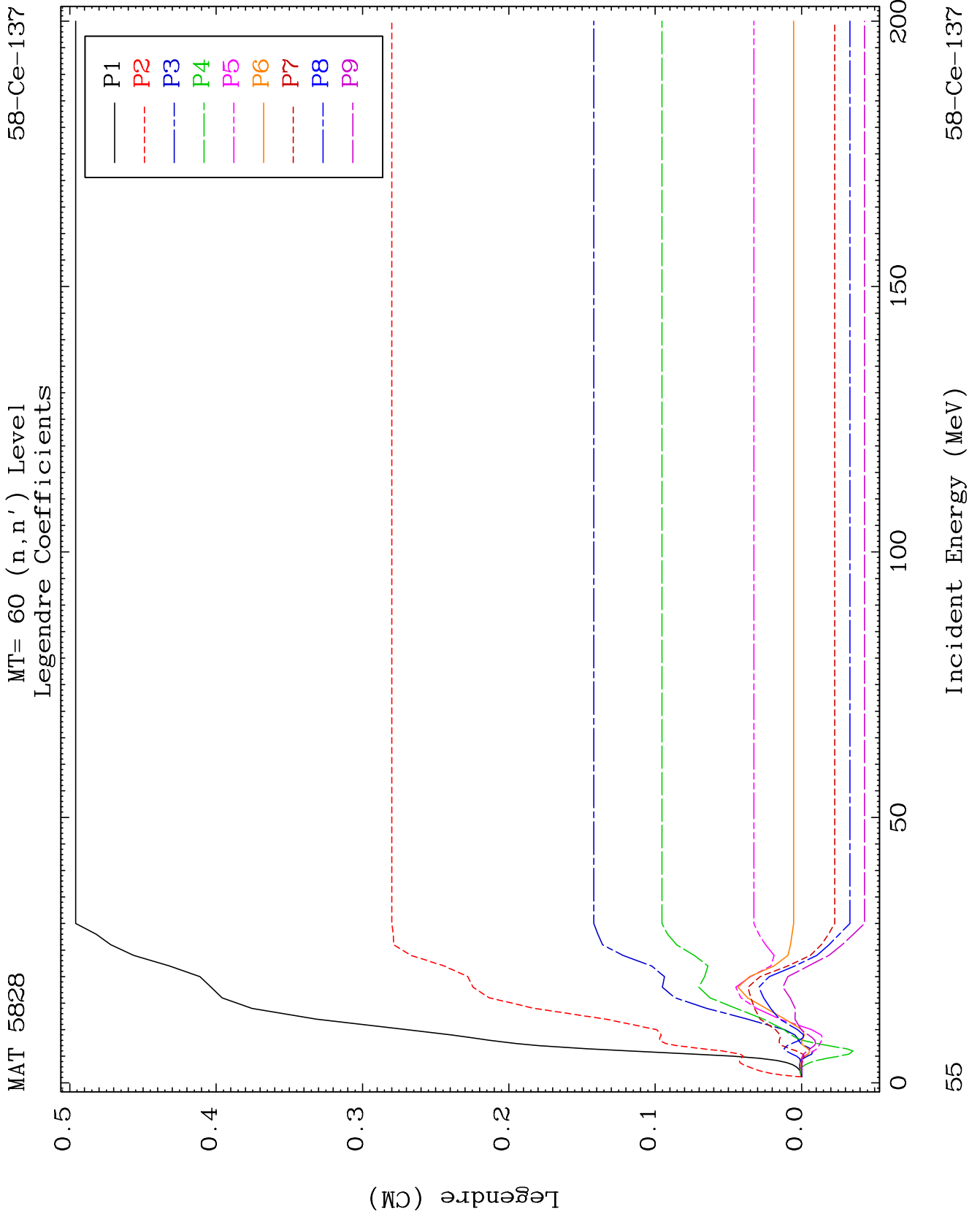
58-Ce-137

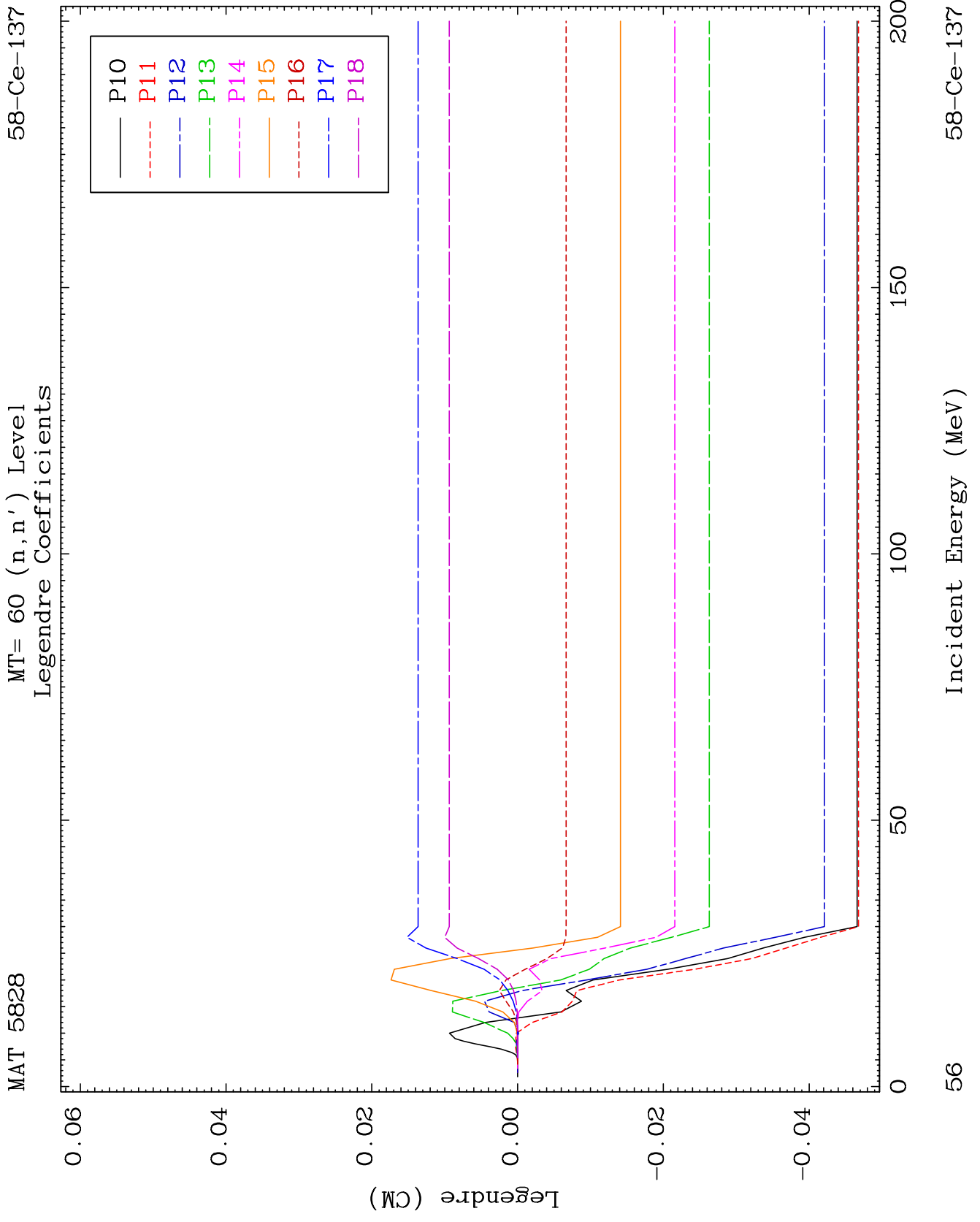


54

Incident Energy (MeV)

58-Ce-137

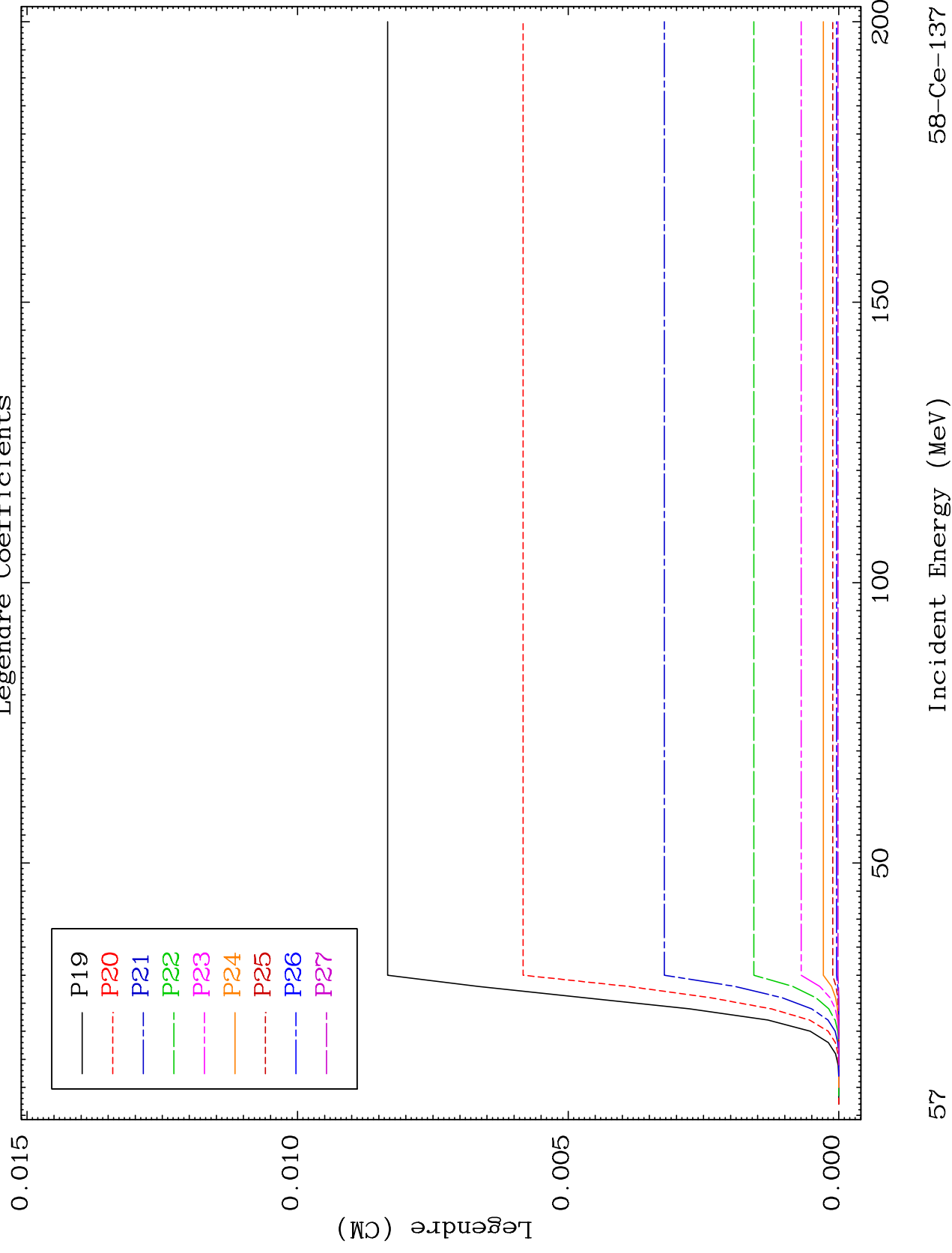




MAT 5828

MT= 60 (n,n') Level
Legendre Coefficients

58-Ce-137



57

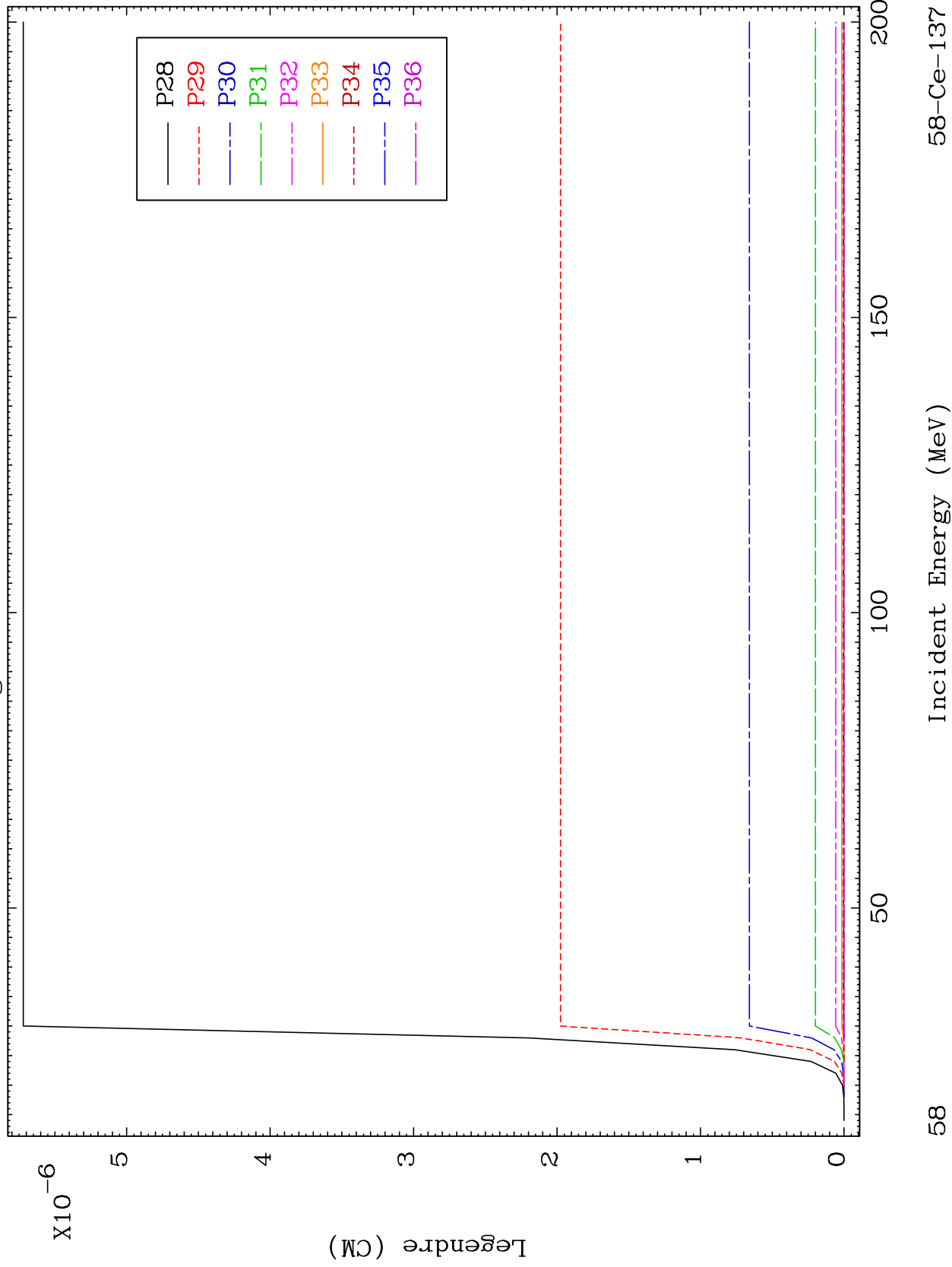
Incident Energy (MeV)

58-Ce-137

MAT 5828

MT= 60 (n,n') Level
Legendre Coefficients

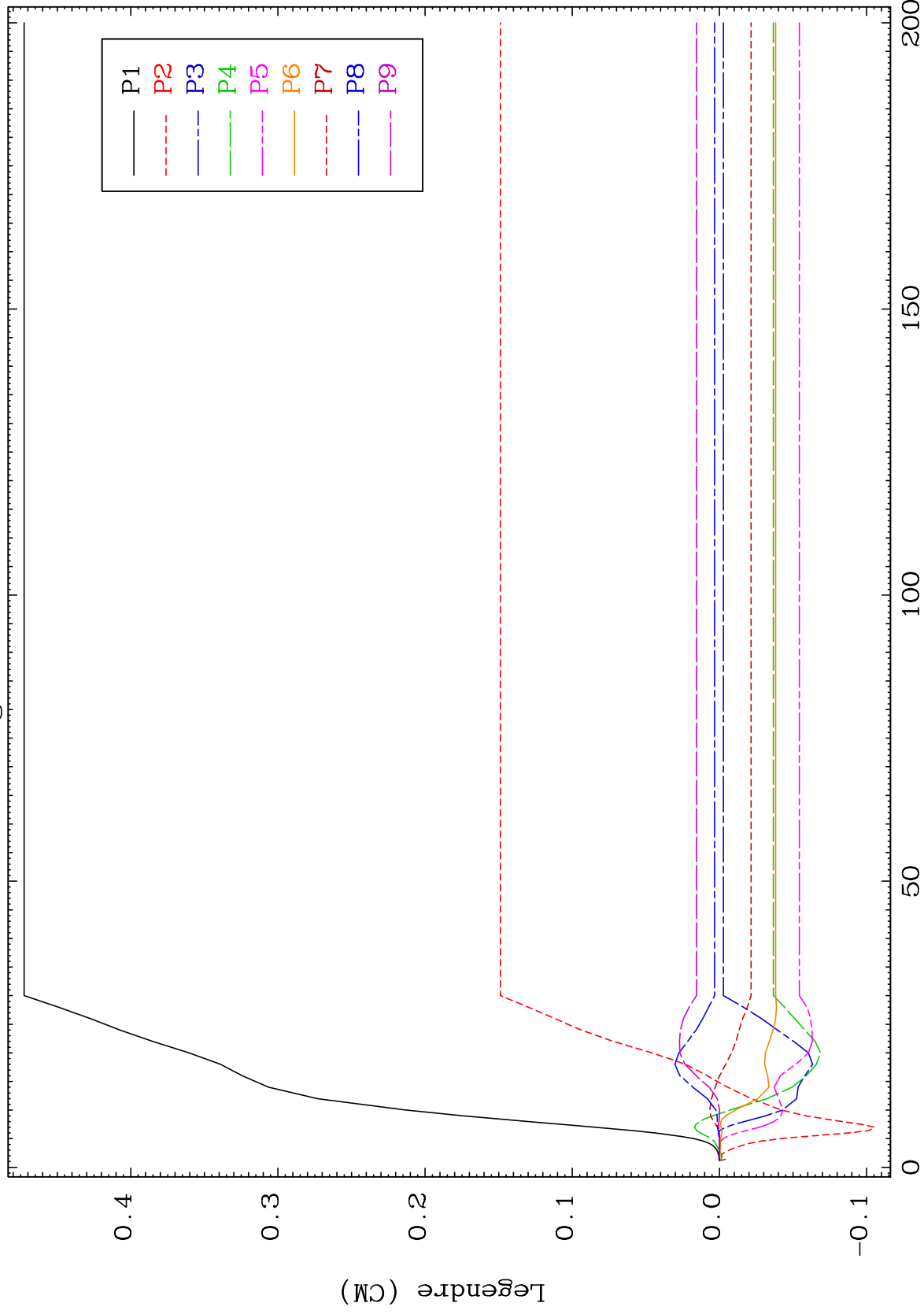
58-Ce-137



MAT 5828

MT= 61 (n,n') Level
Legendre Coefficients

58-Ce-137



58-Ce-137

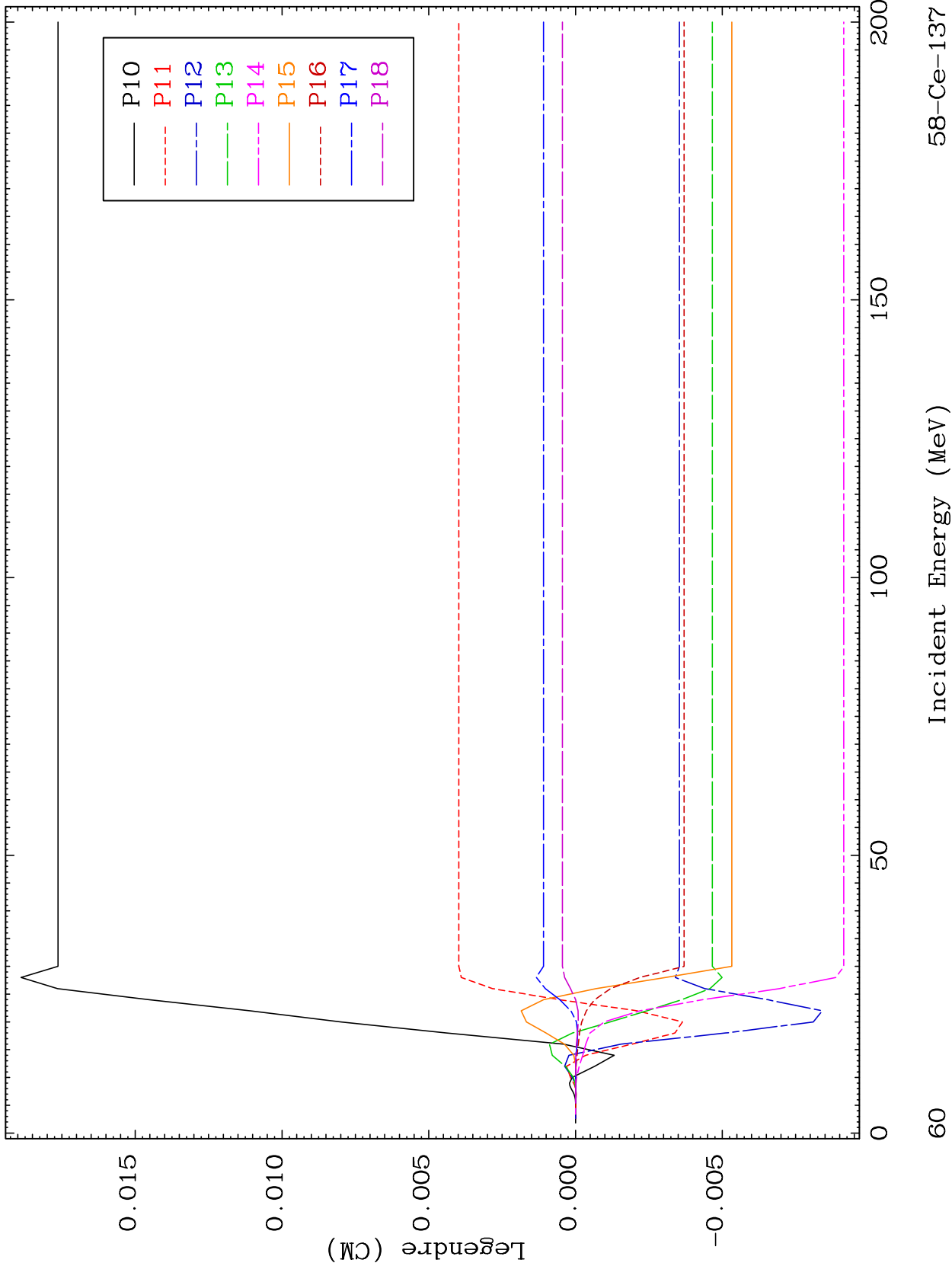
Incident Energy (MeV)

59

MAT 5828

MT= 61 (n,n') Level
Legendre Coefficients

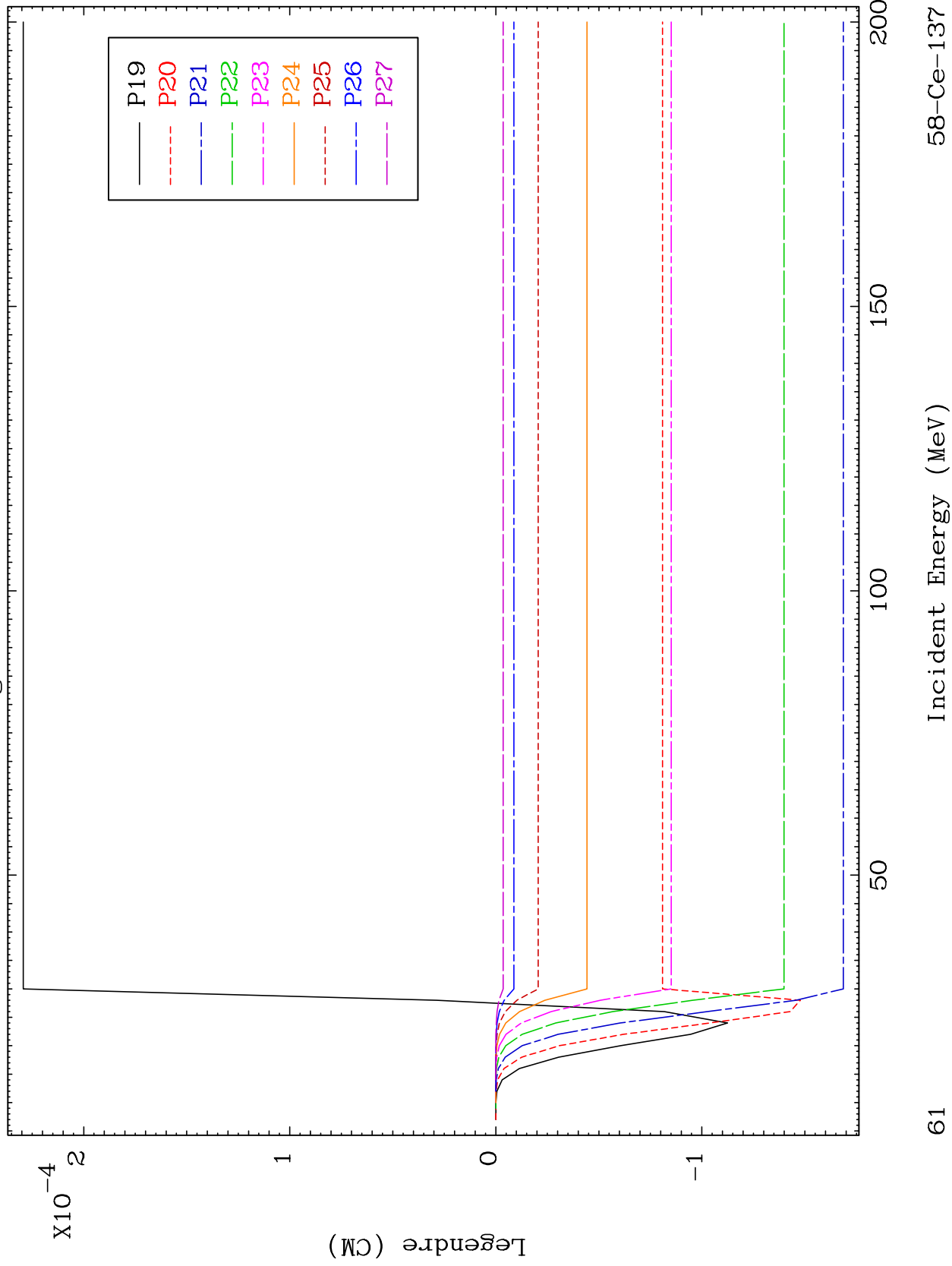
58-Ce-137

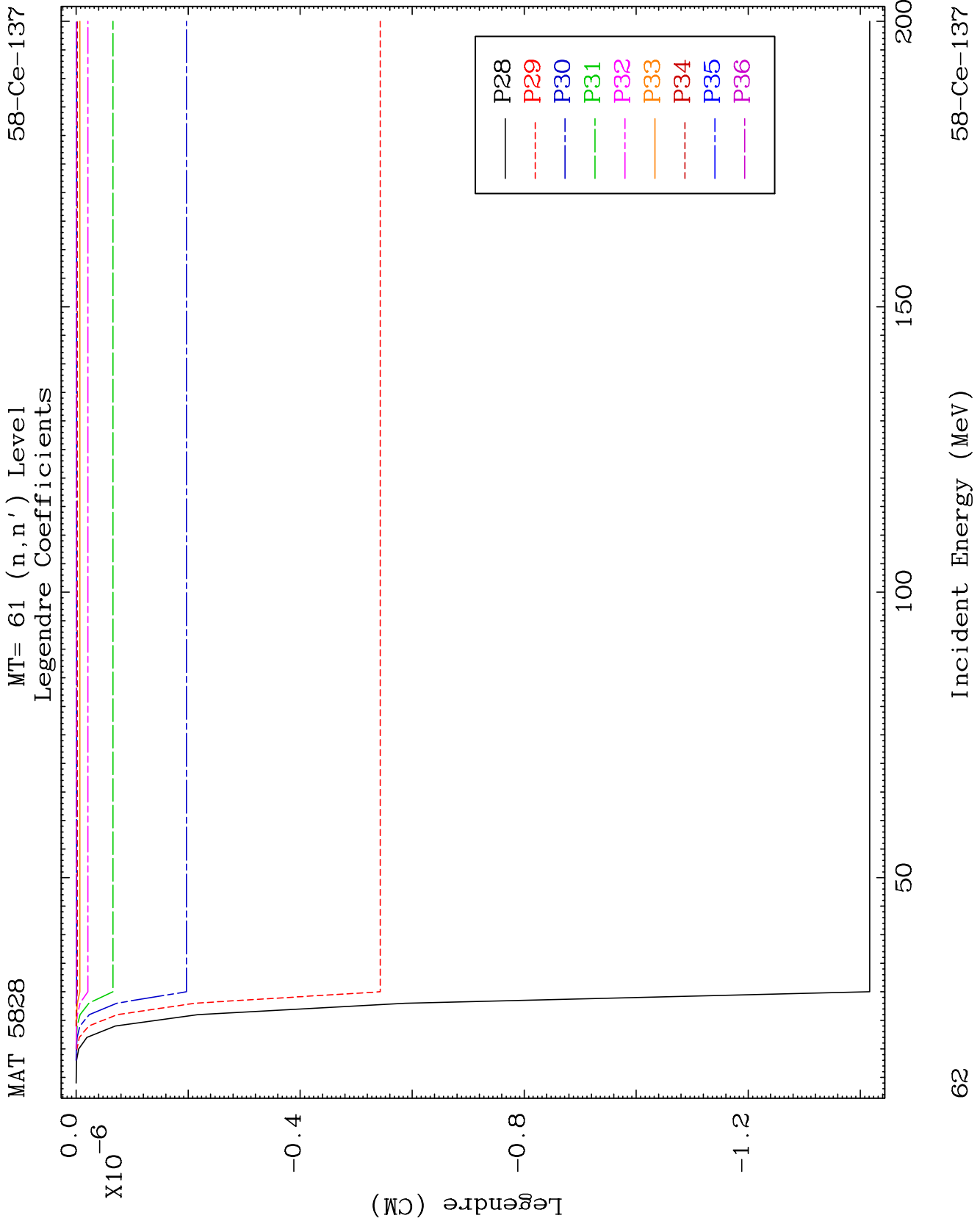


MAT 5828

MT= 61 (n,n') Level
Legendre Coefficients

58-Ce-137

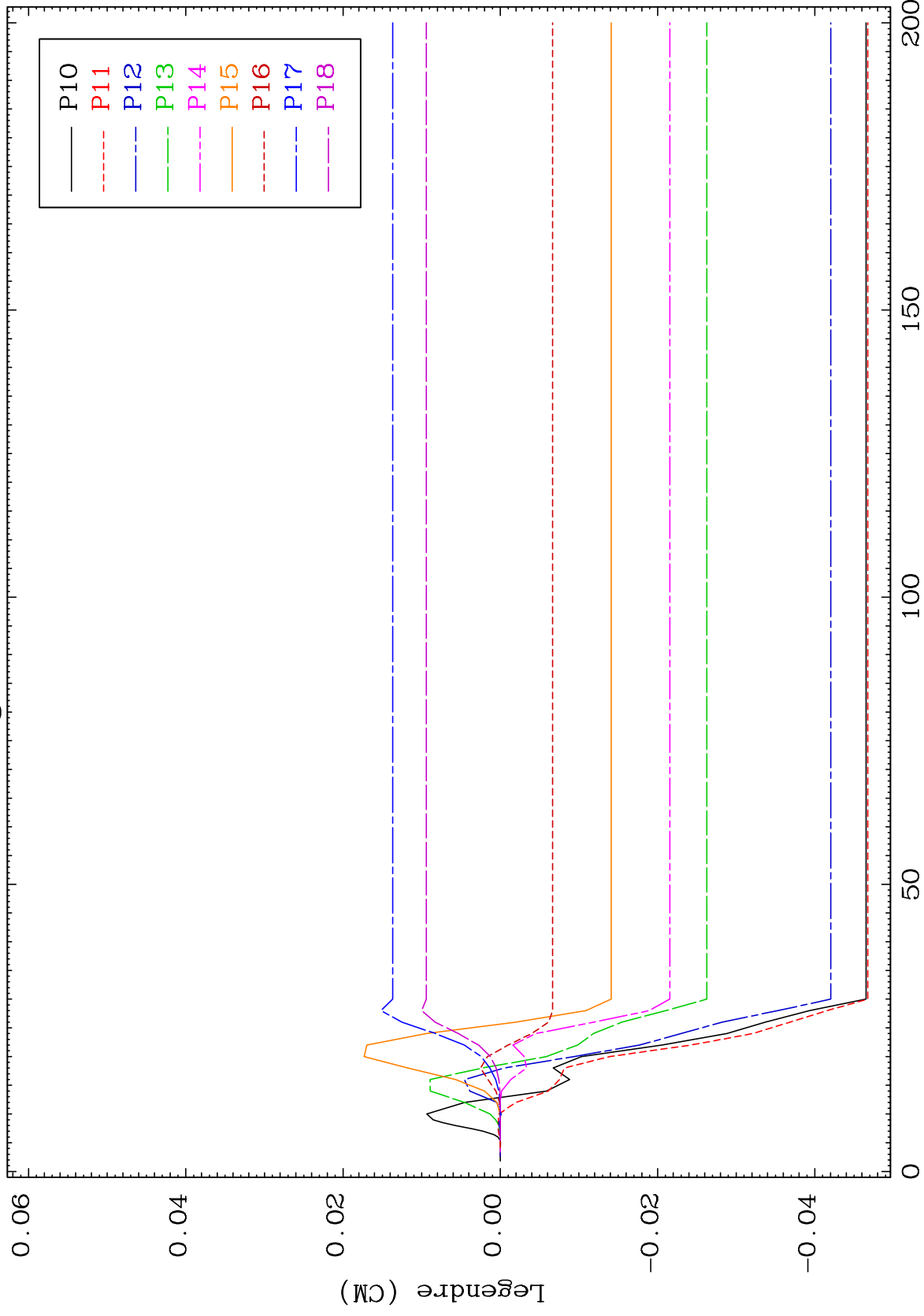




MAT 5828

MT= 62 (n,n') Level
Legendre Coefficients

58-Ce-137



64

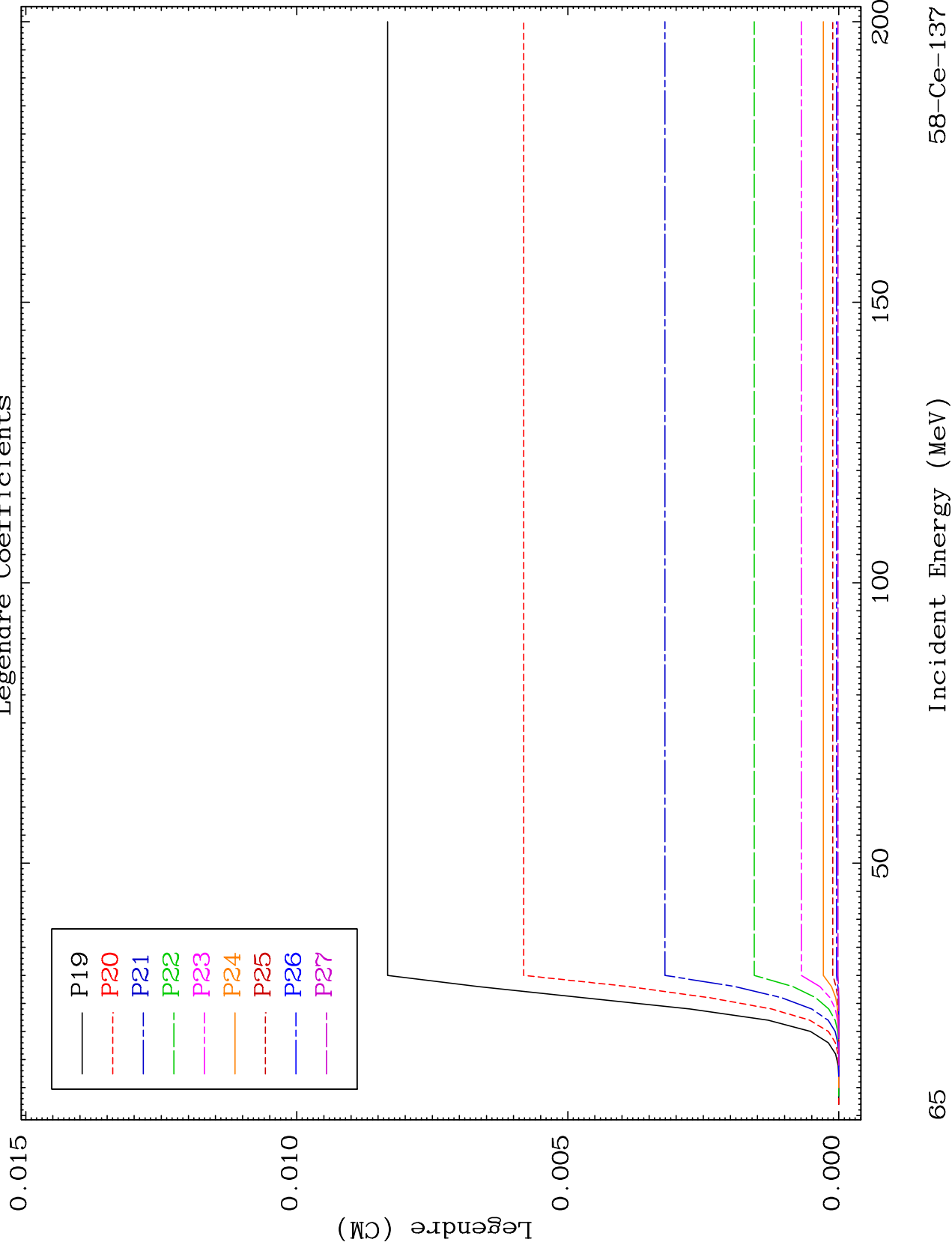
Incident Energy (MeV)

58-Ce-137

MAT 5828

MT= 62 (n,n') Level
Legendre Coefficients

58-Ce-137



65

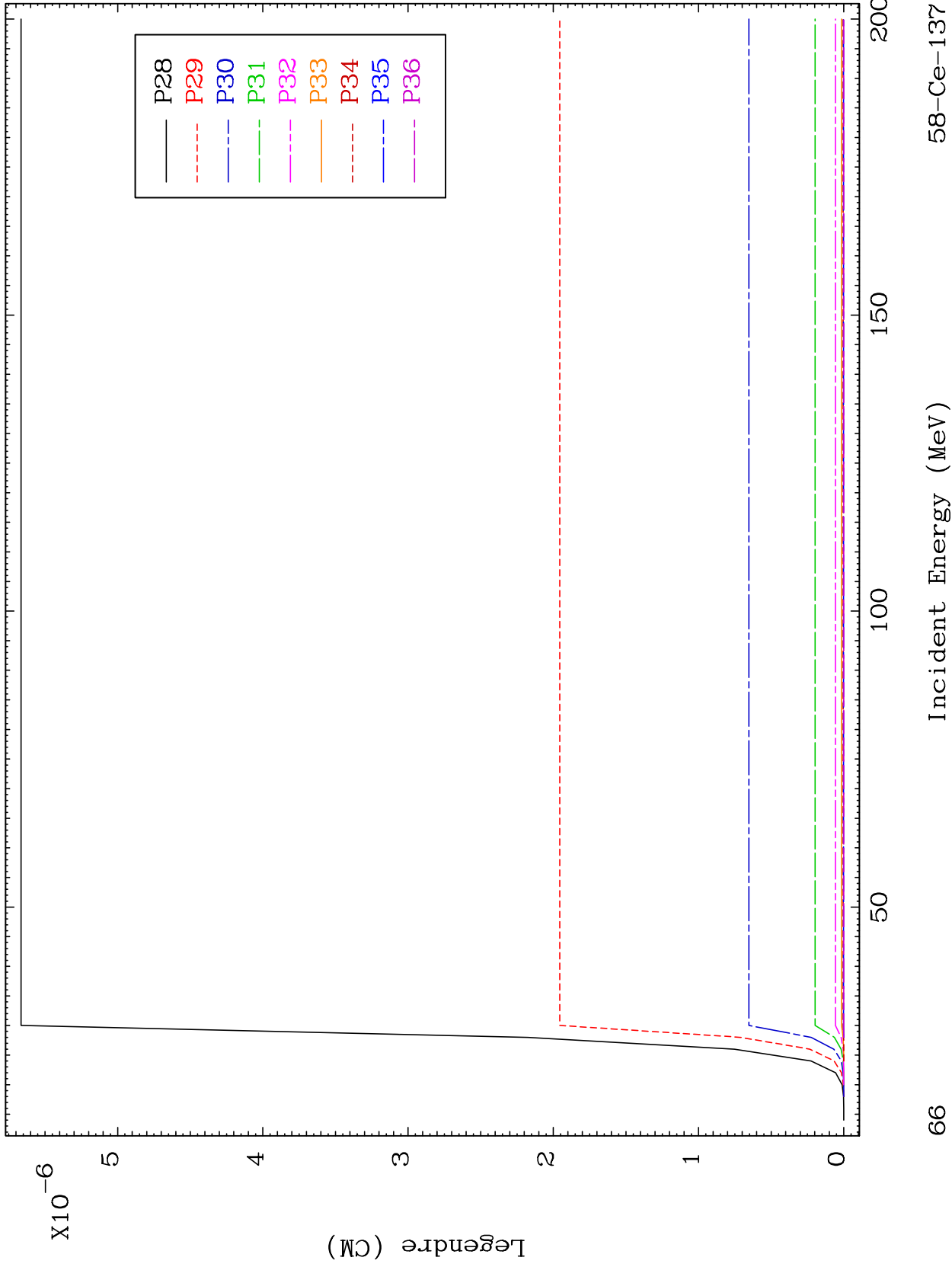
Incident Energy (MeV)

58-Ce-137

MAT 5828

MT= 62 (n,n') Level
Legendre Coefficients

58-Ce-137



66

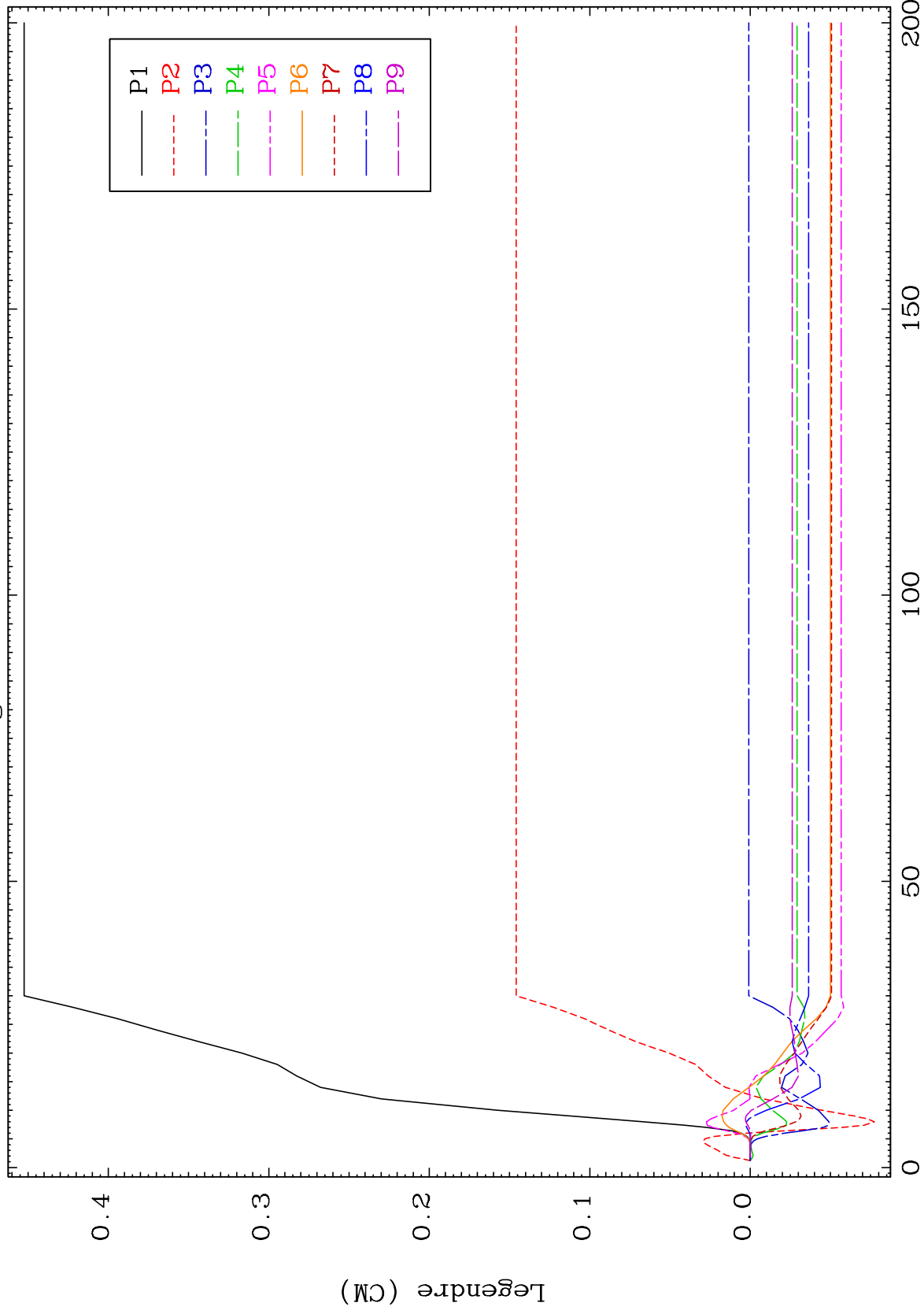
Incident Energy (MeV)

58-Ce-137

MAT 5828

MT= 63 (n,n') Level
Legendre Coefficients

58-Ce-137



58-Ce-137

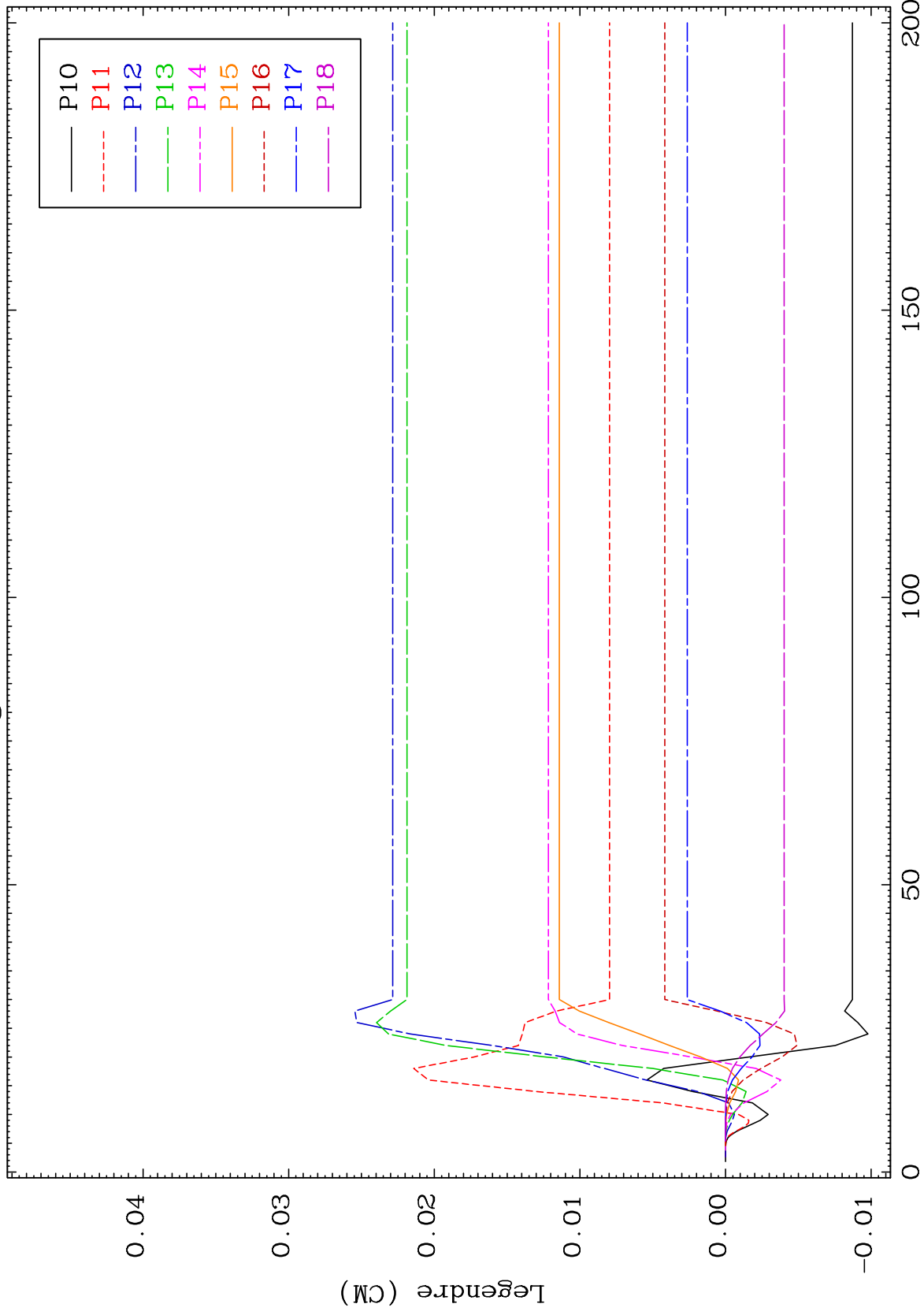
Incident Energy (MeV)

67

MAT 5828

MT= 63 (n,n') Level
Legendre Coefficients

58-Ce-137



68

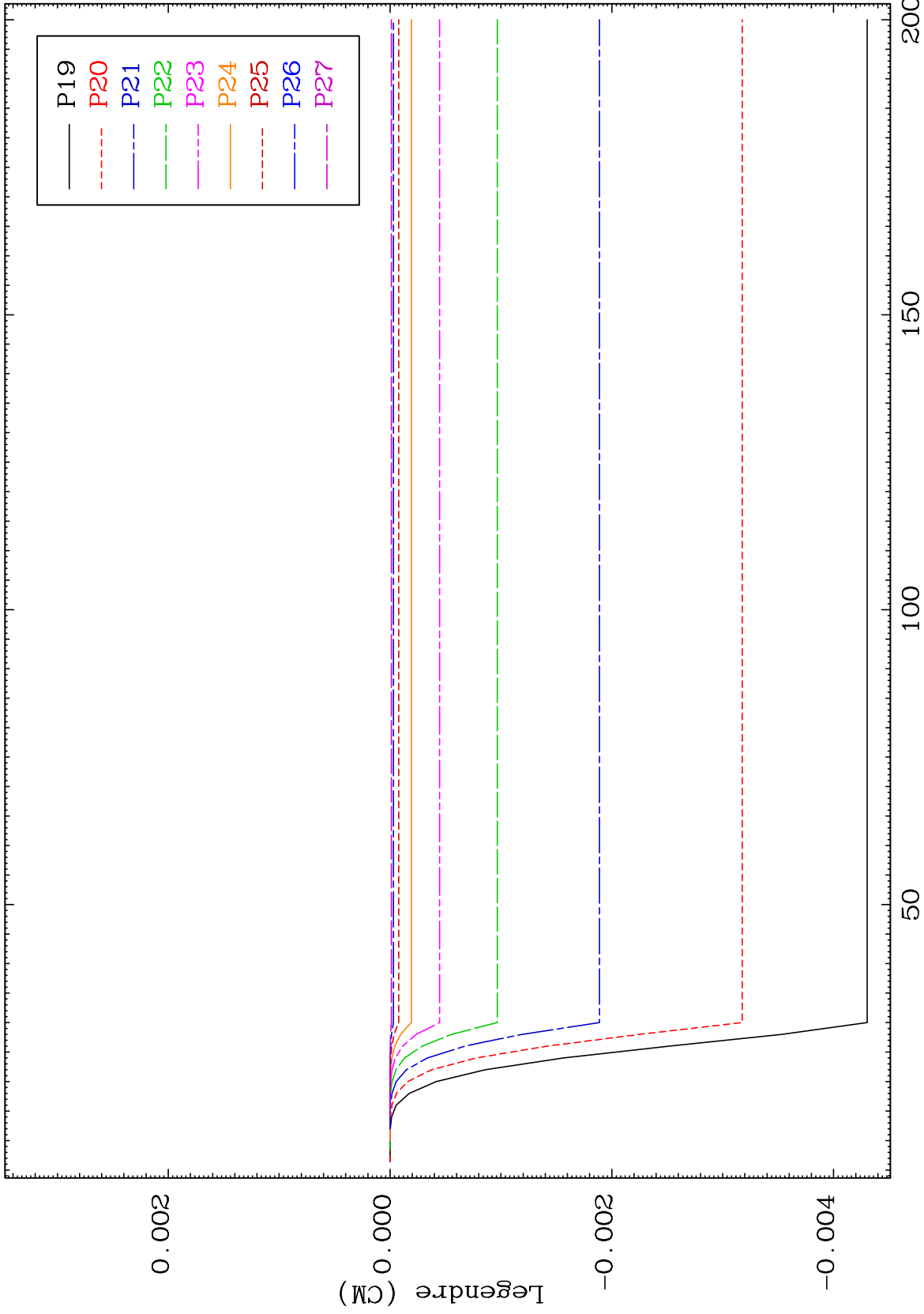
Incident Energy (MeV)

58-Ce-137

MAT 5828

MT= 63 (n,n') Level
Legendre Coefficients

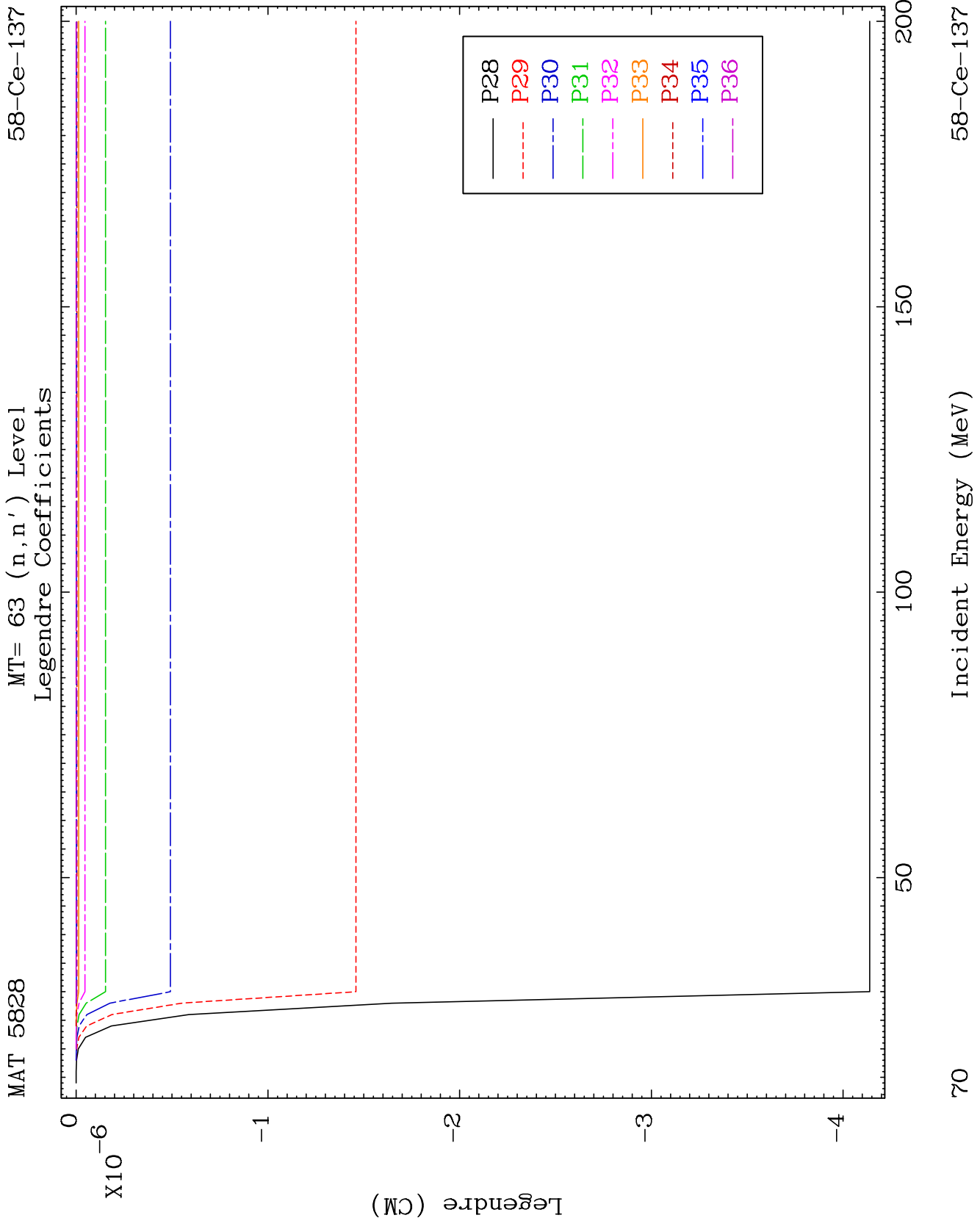
58-Ce-137



69

Incident Energy (MeV)

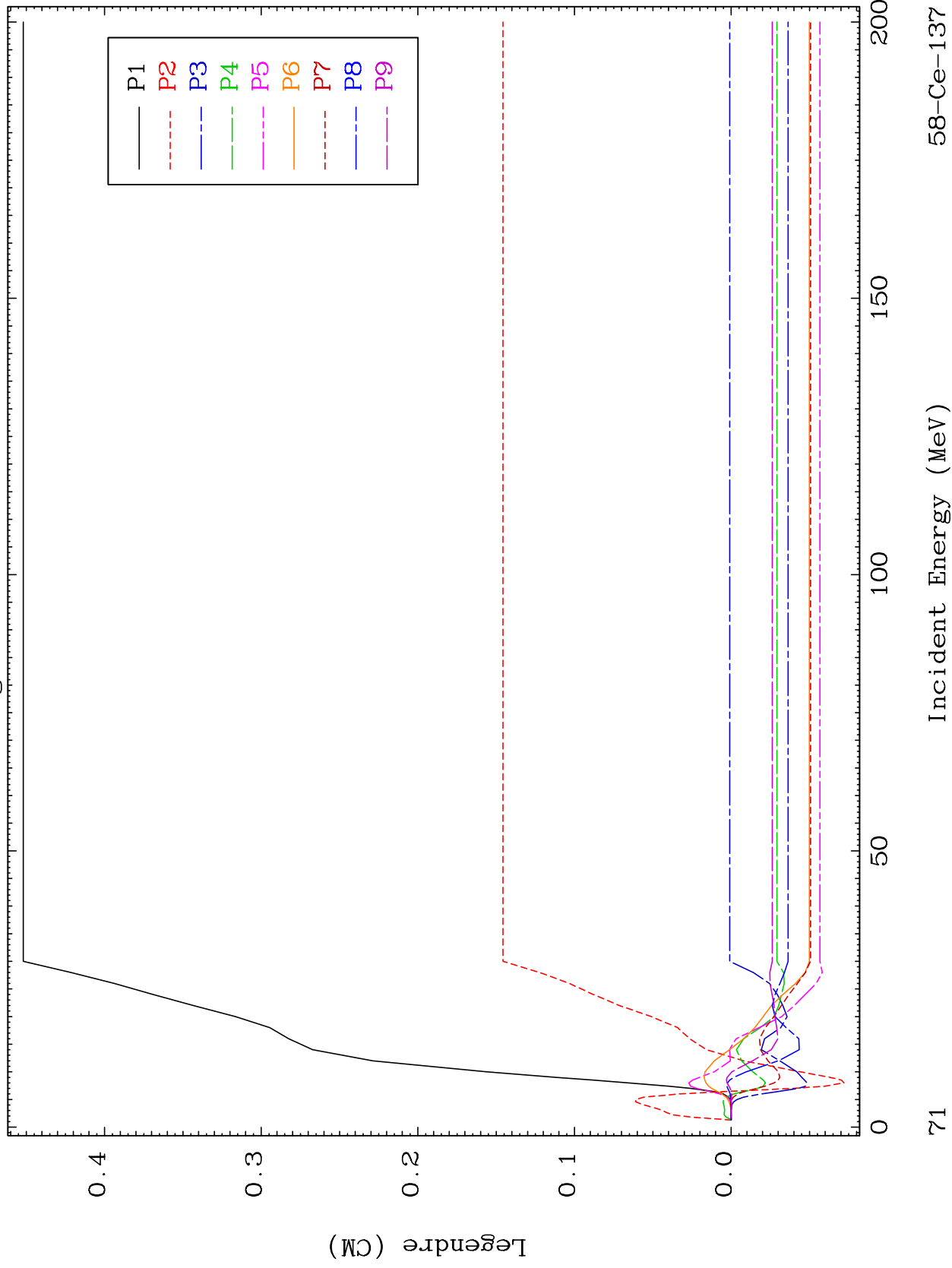
58-Ce-137



MAT 5828

MT= 64 (n,n') Level
Legendre Coefficients

58-Ce-137



58-Ce-137

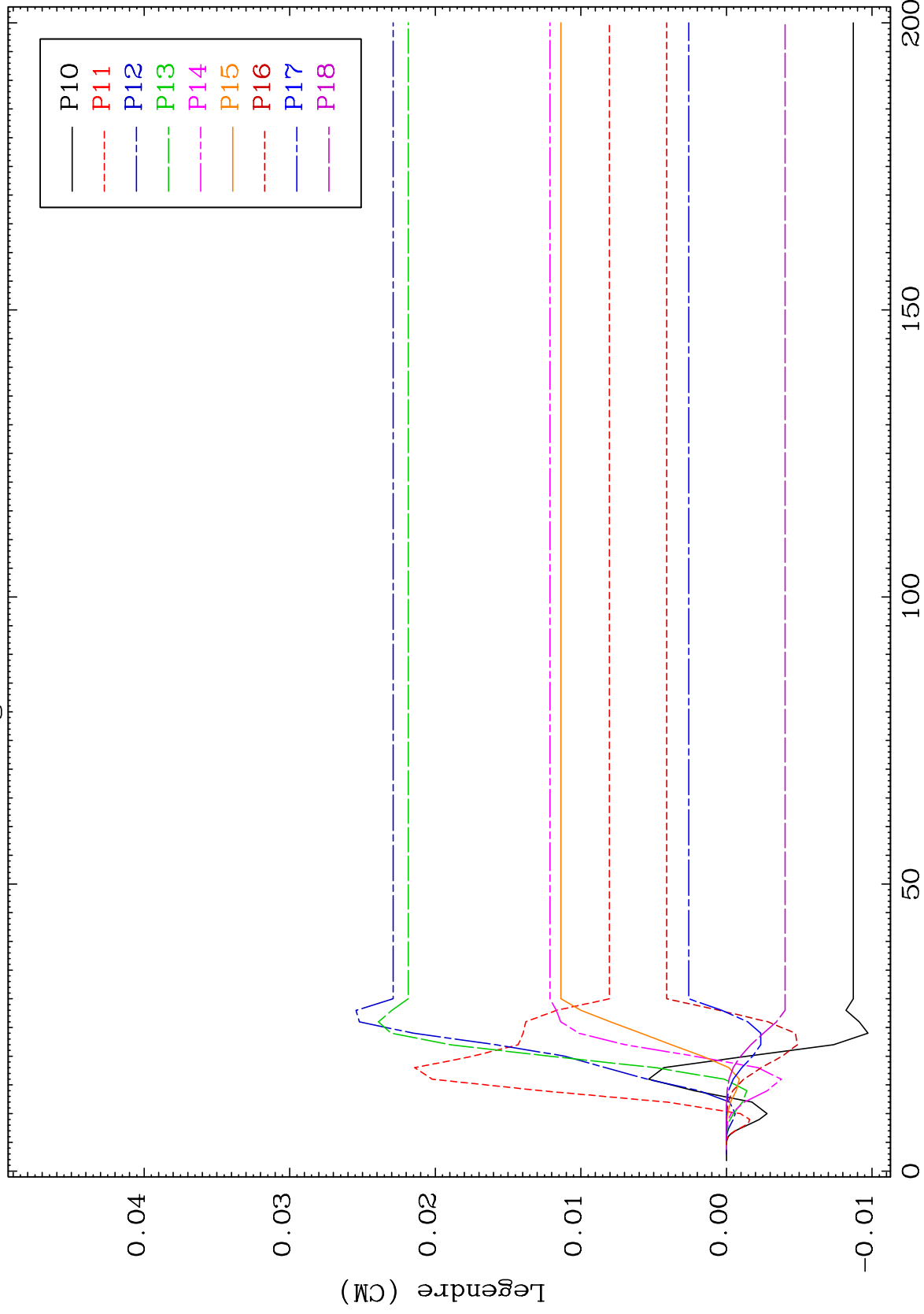
Incident Energy (MeV)

71

MAT 5828

MT= 64 (n,n') Level
Legendre Coefficients

58-Ce-137



72

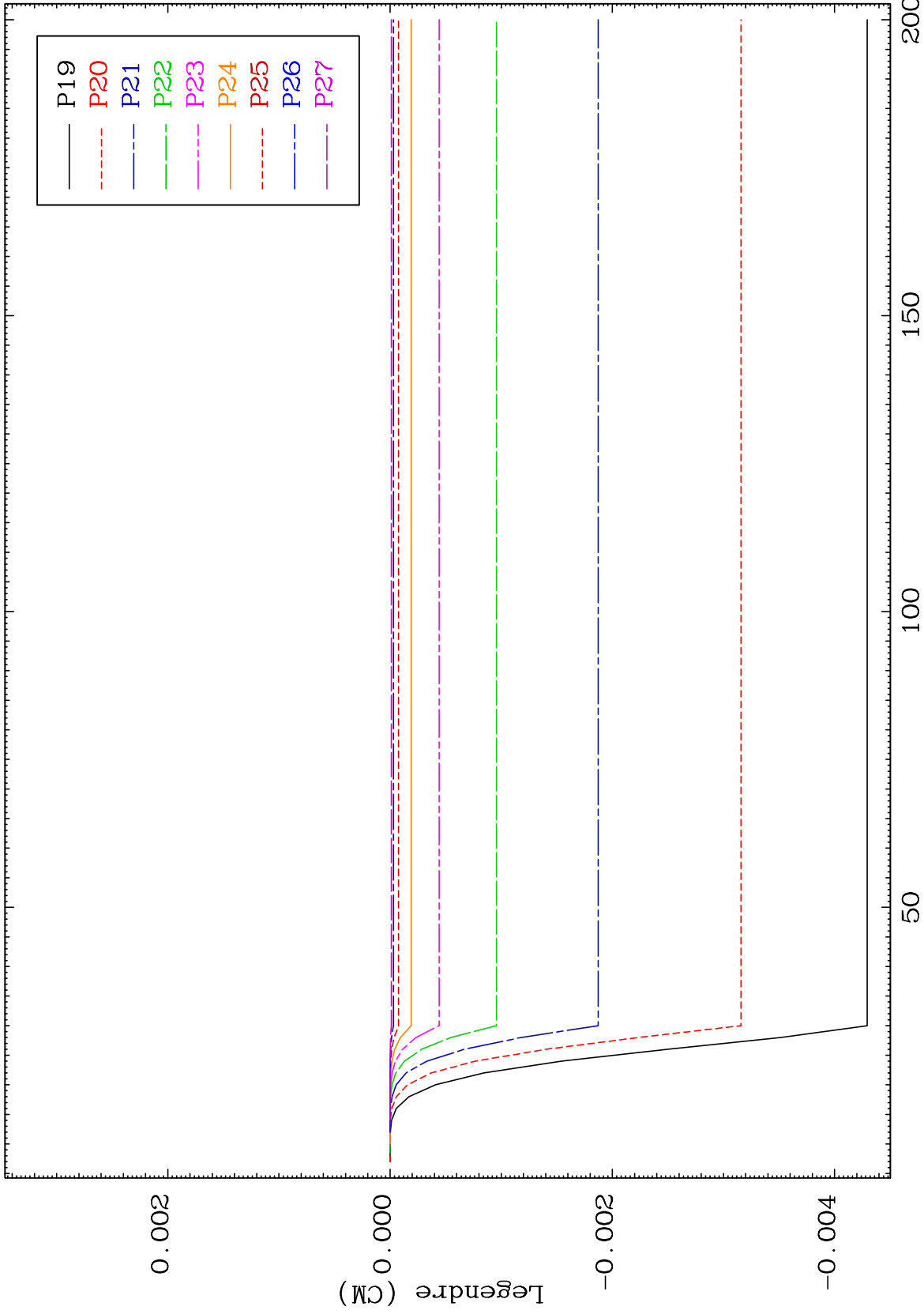
Incident Energy (MeV)

58-Ce-137

MAT 5828

MT= 64 (n,n') Level
Legendre Coefficients

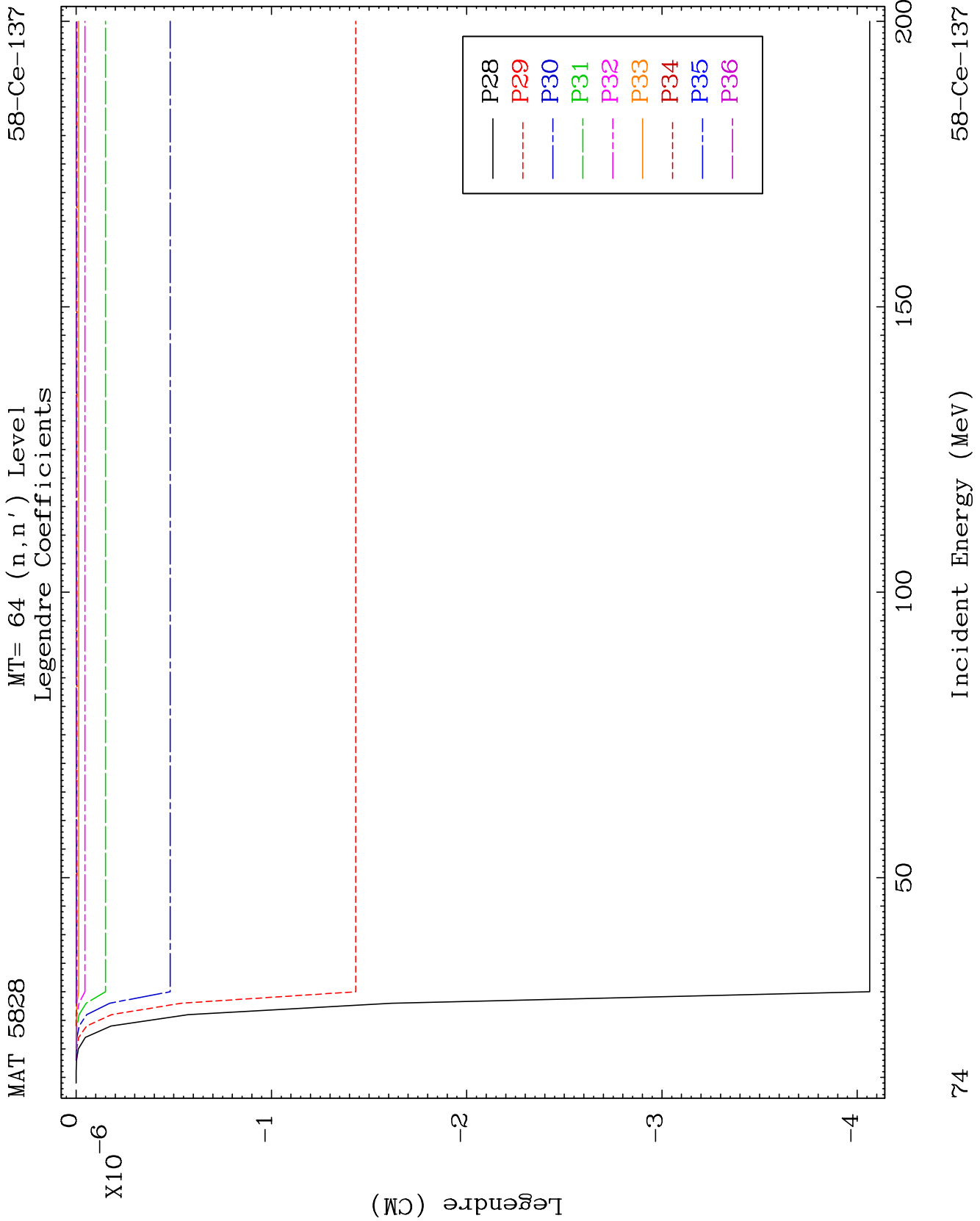
58-Ce-137

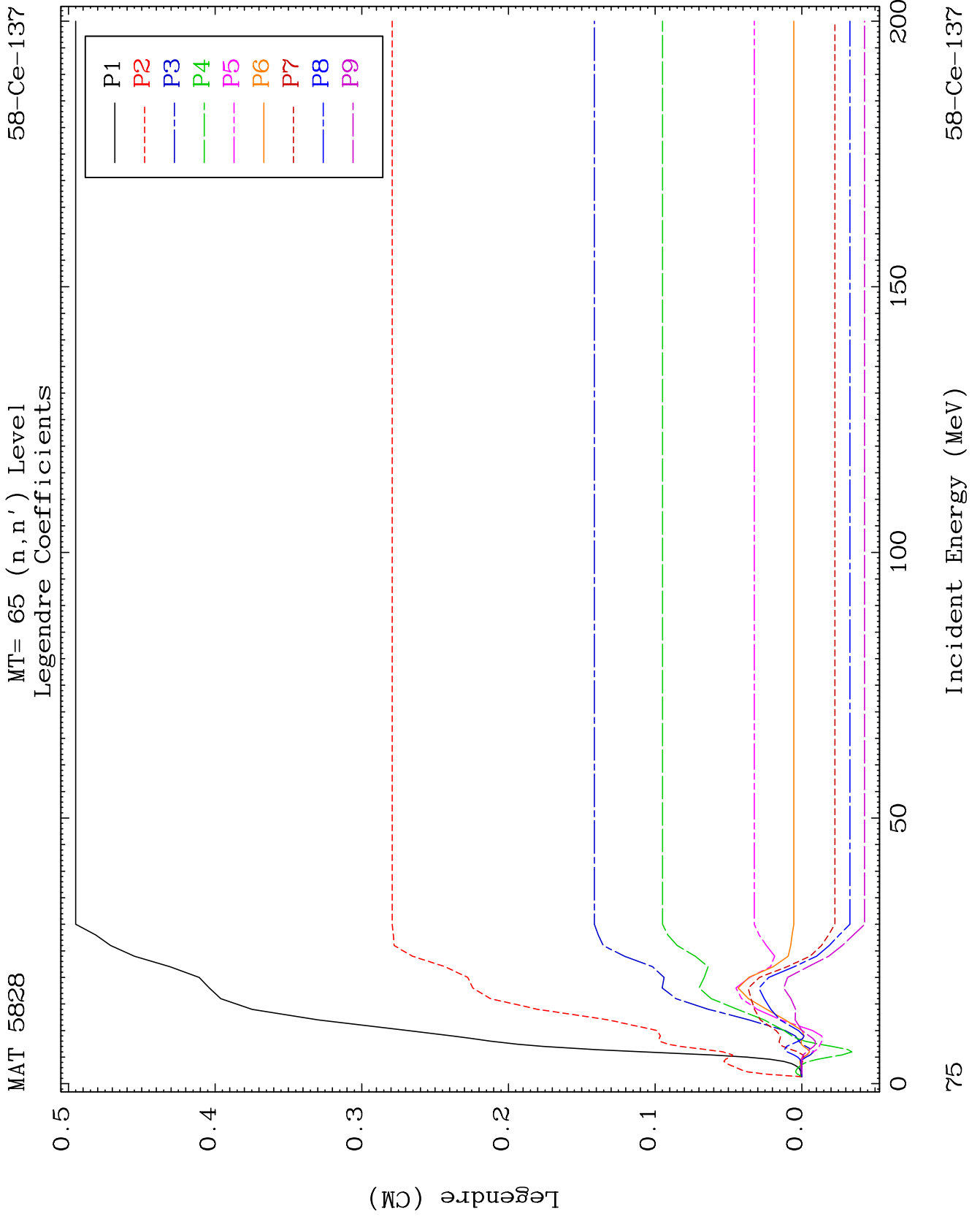


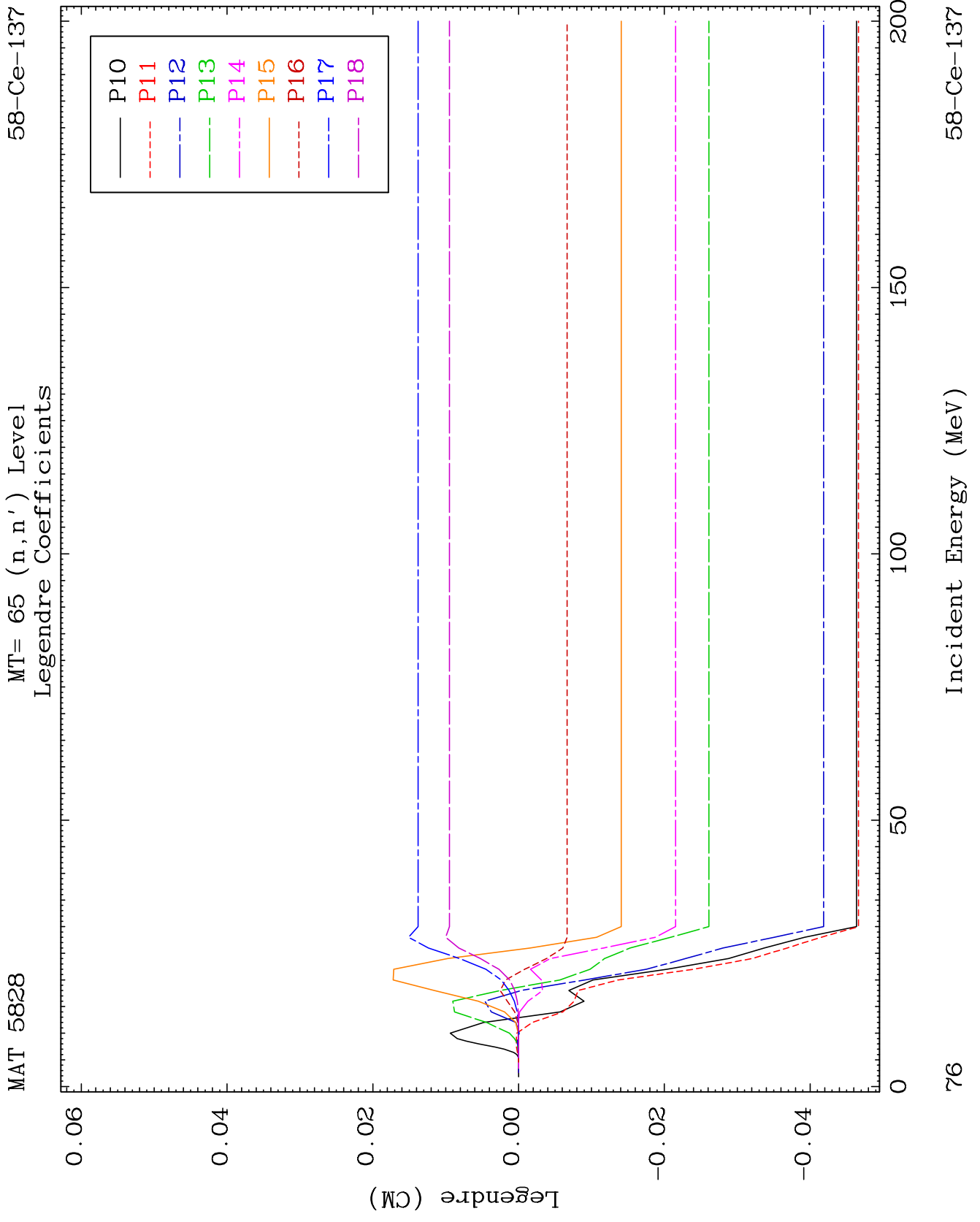
73

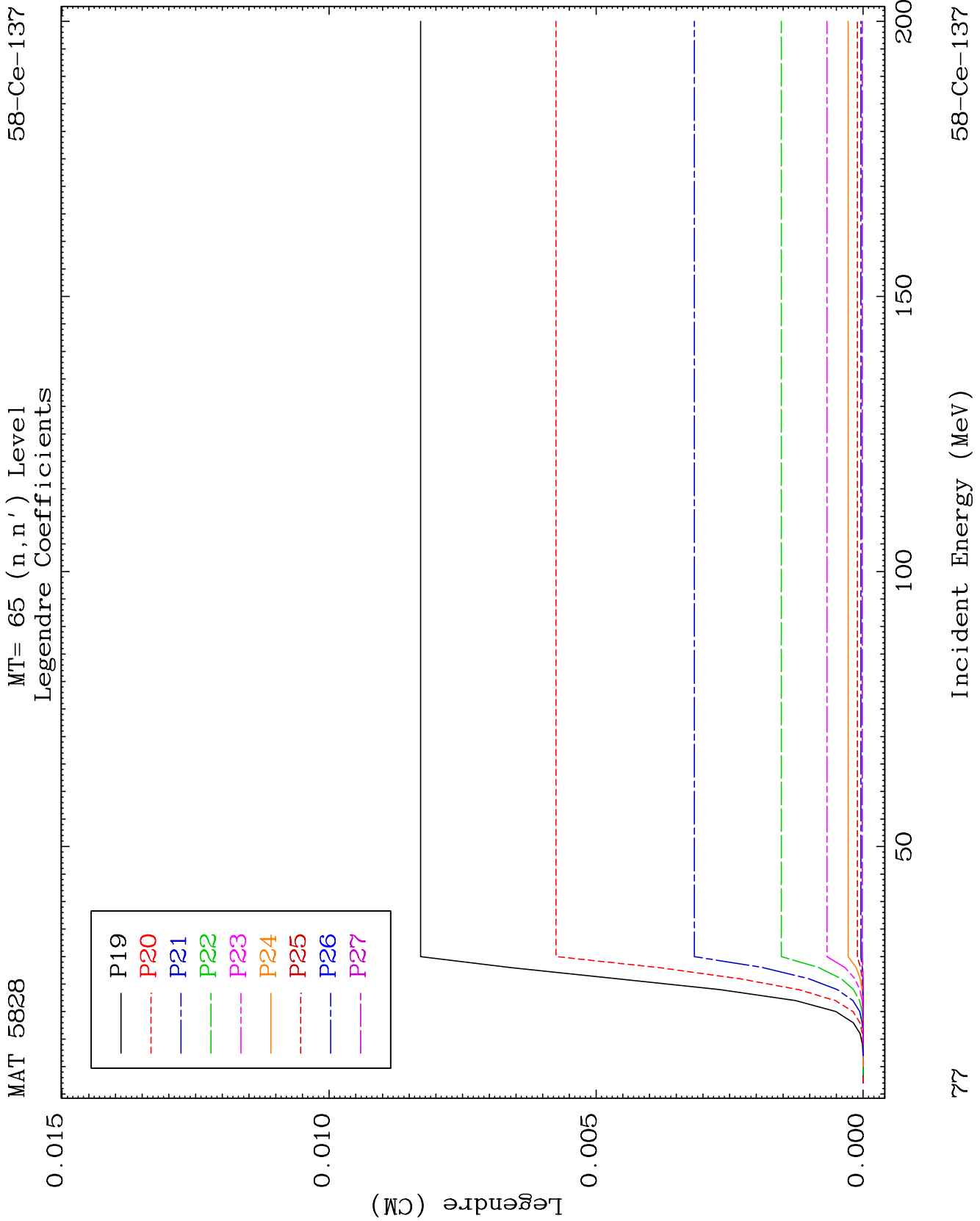
Incident Energy (MeV)

58-Ce-137





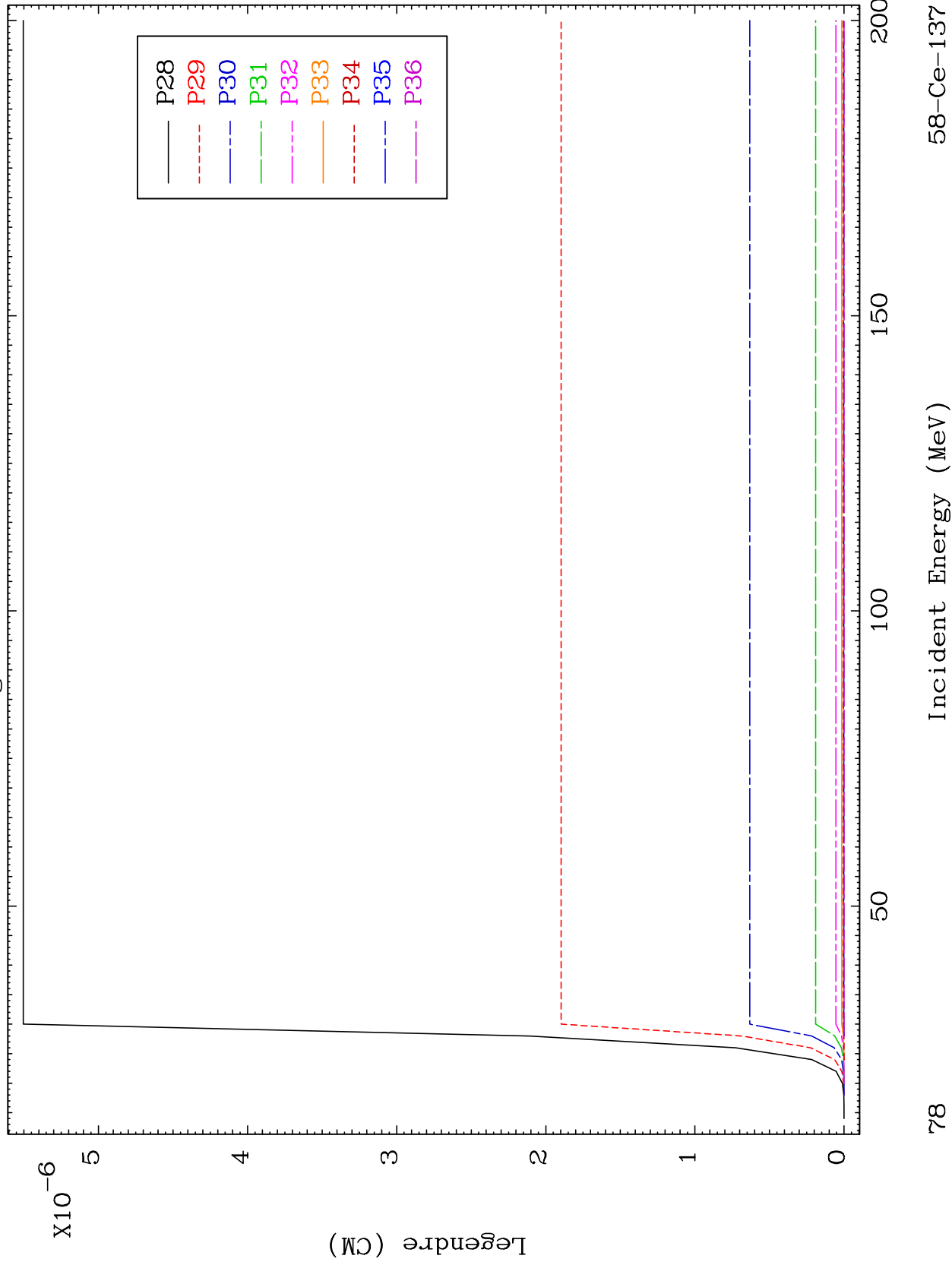




MAT 5828

MT= 65 (n,n') Level
Legendre Coefficients

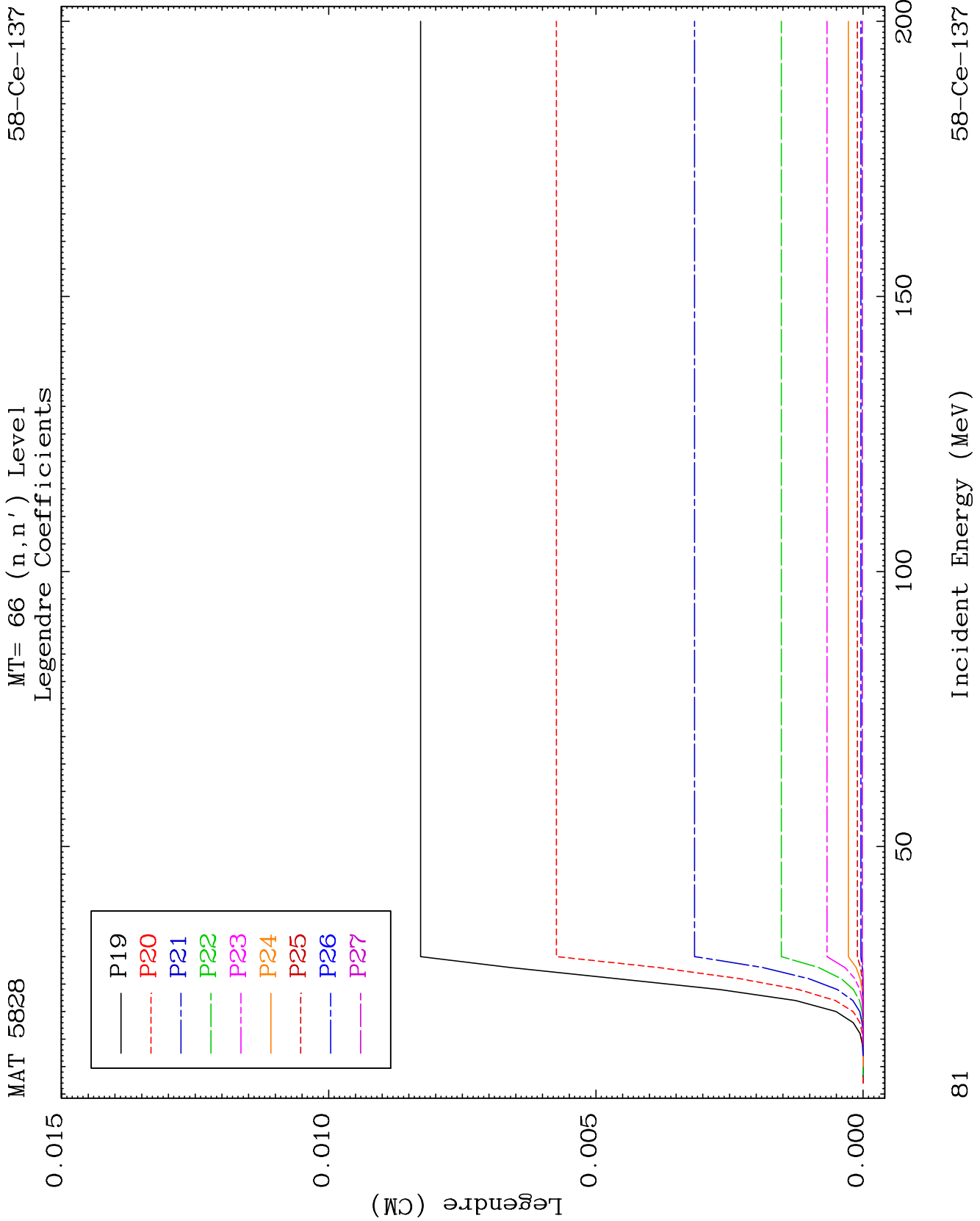
58-Ce-137



78

Incident Energy (MeV)

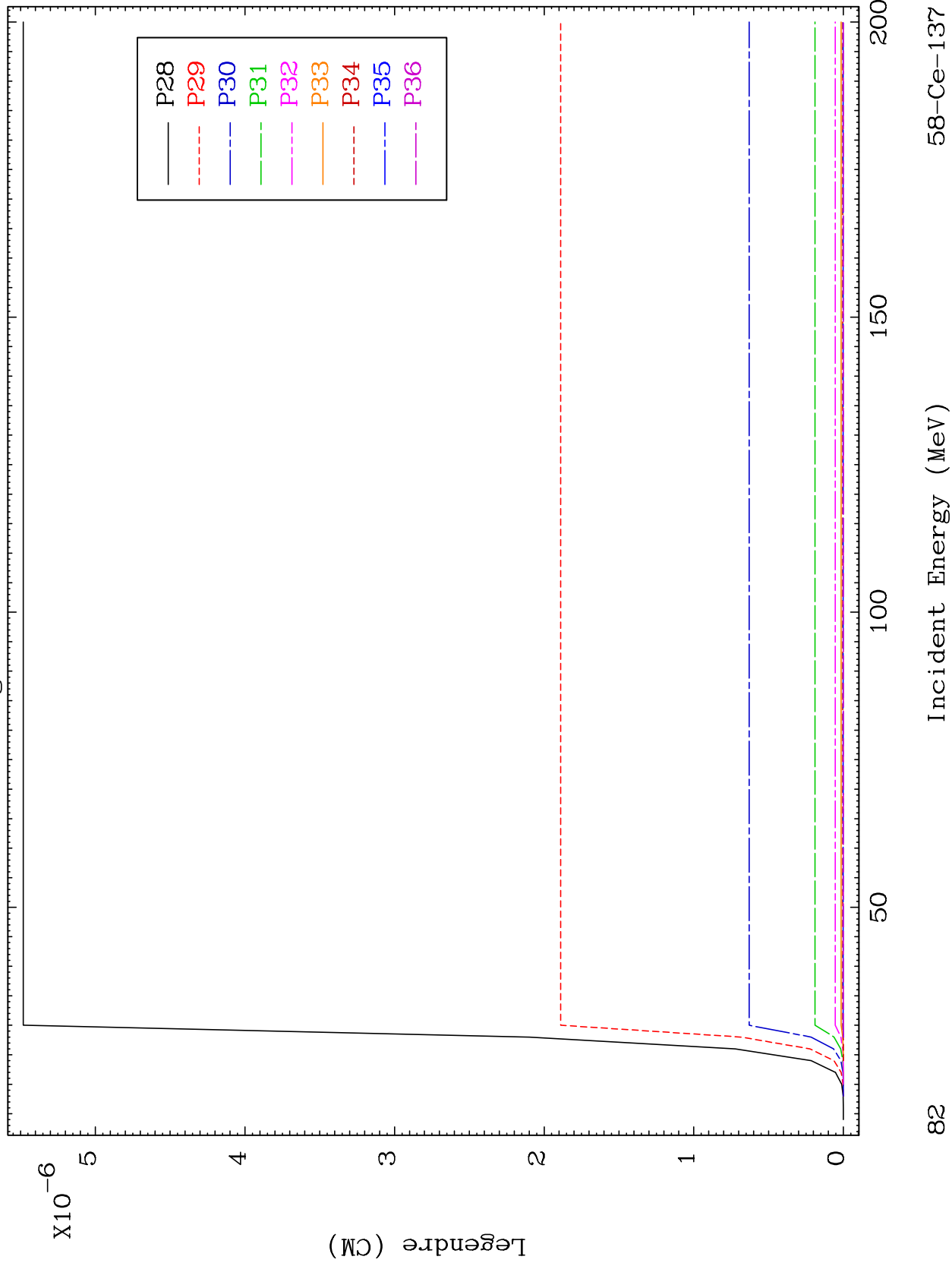
58-Ce-137



MAT 5828

MT= 66 (n,n') Level
Legendre Coefficients

58-Ce-137



82

Incident Energy (MeV)

58-Ce-137

200

150

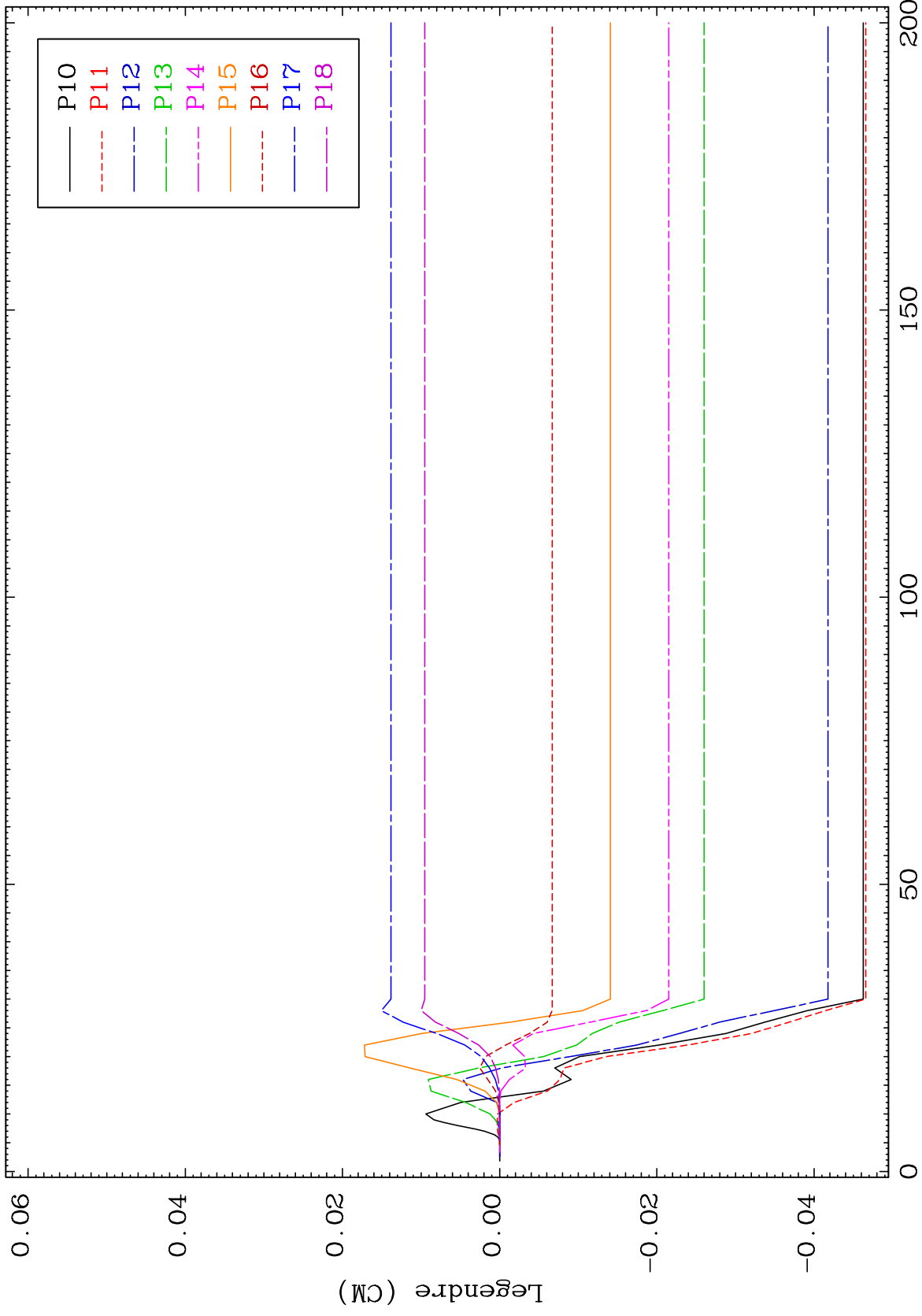
100

50

MAT 5828

MT= 67 (n,n') Level
Legendre Coefficients

58-Ce-137



84

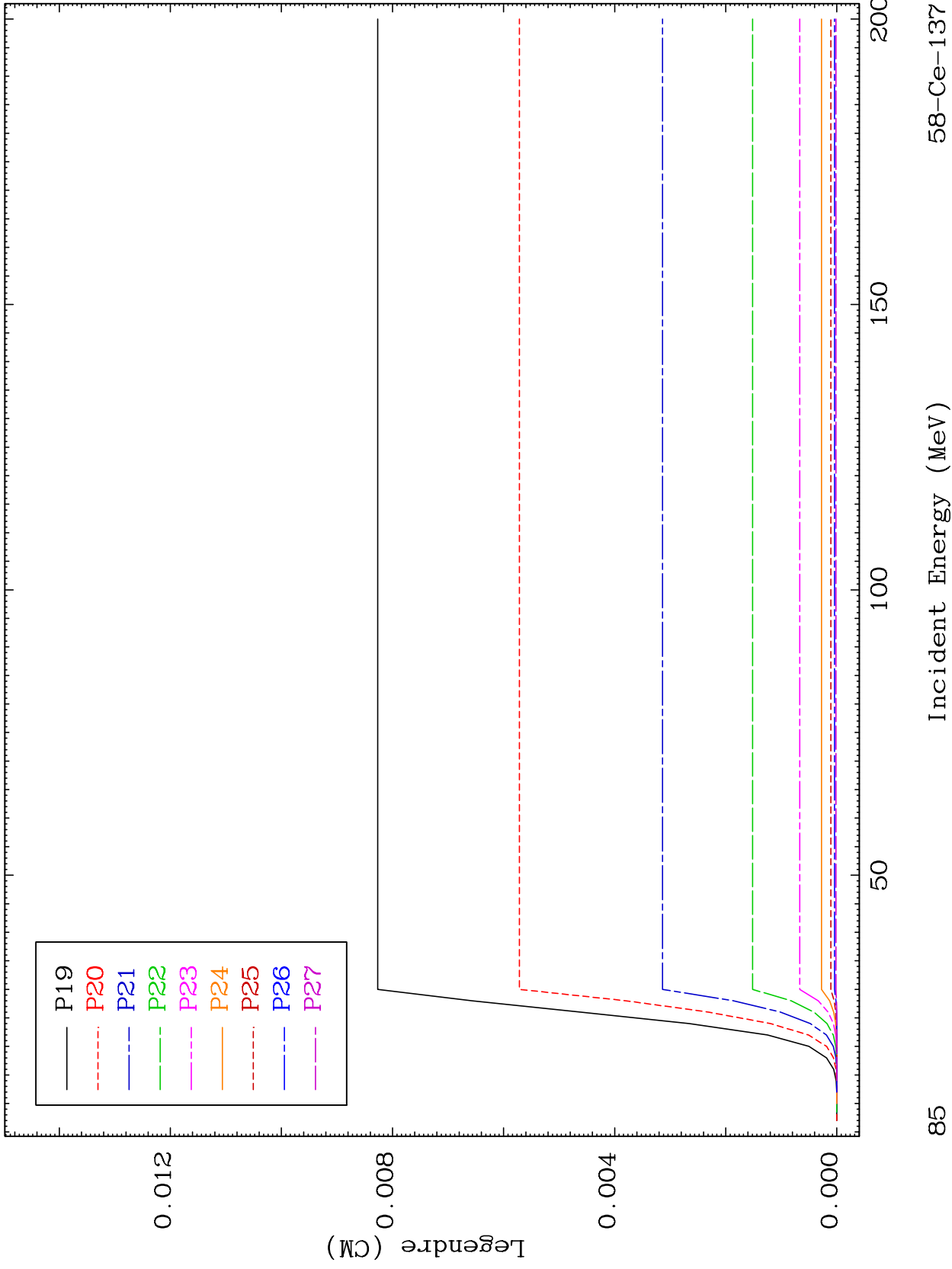
Incident Energy (MeV)

58-Ce-137

MAT 5828

MT= 67 (n,n') Level
Legendre Coefficients

58-Ce-137



85

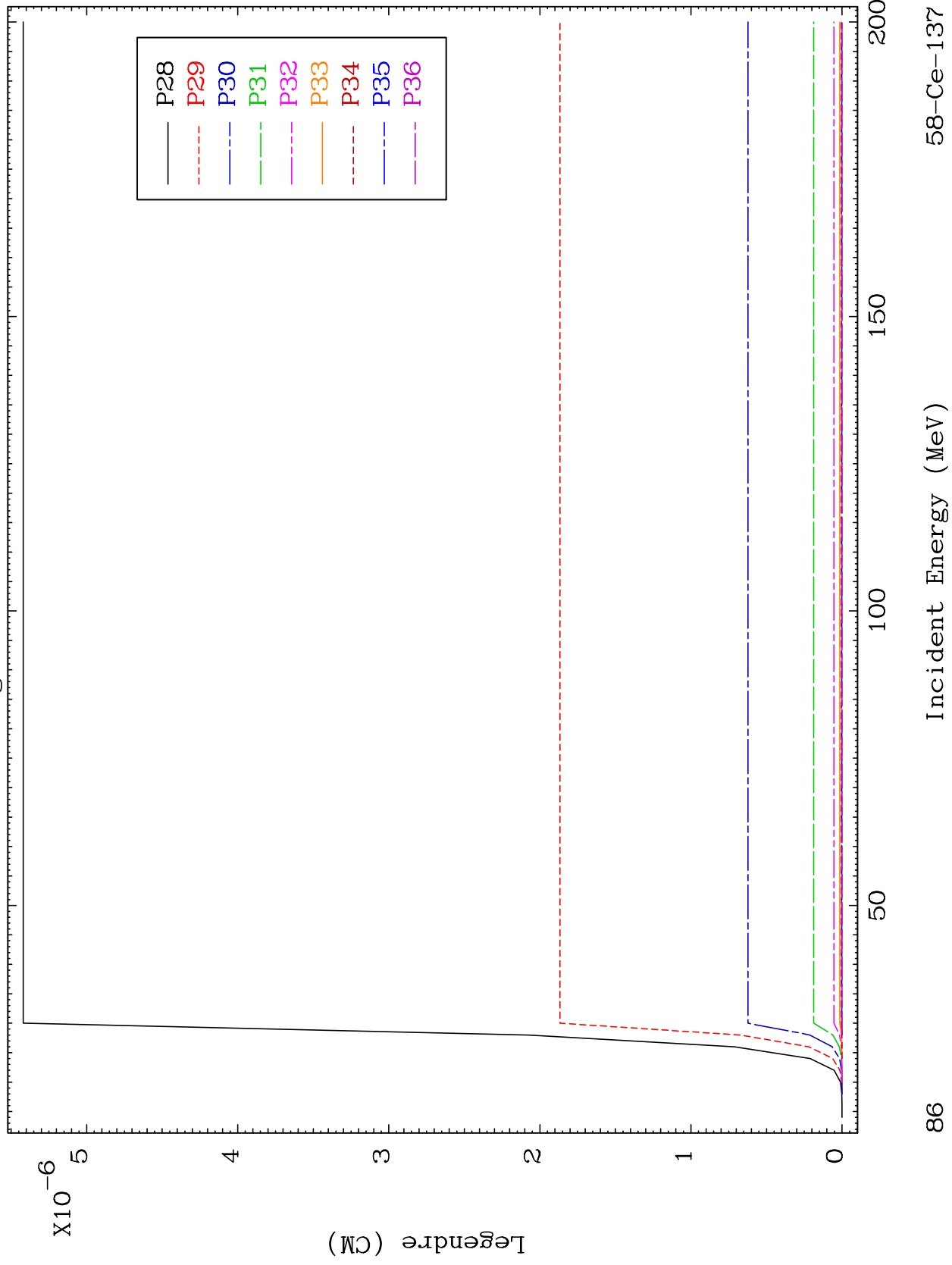
Incident Energy (MeV)

58-Ce-137

MAT 5828

MT= 67 (n,n') Level
Legendre Coefficients

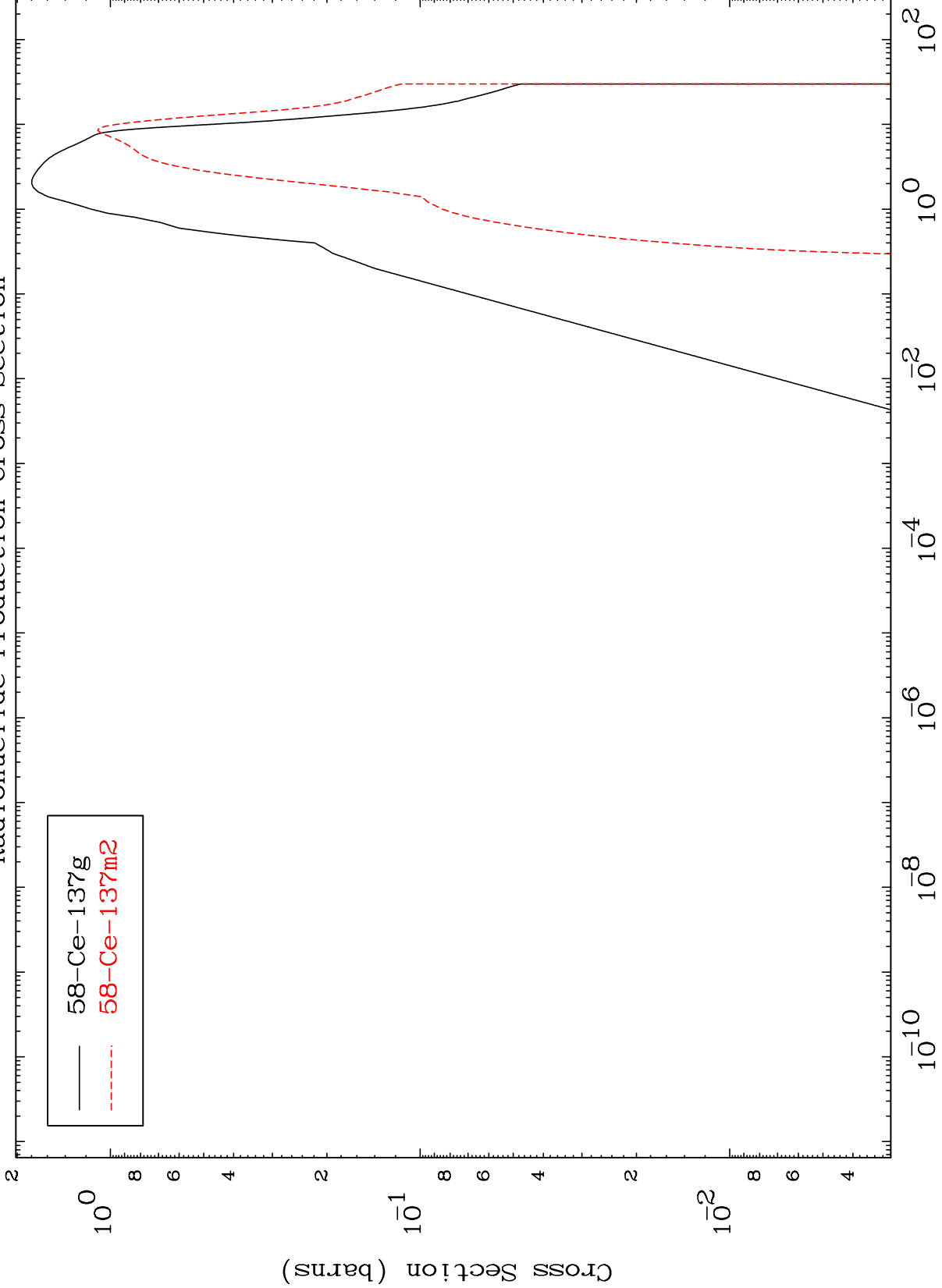
58-Ce-137



MAT 5828

Inelastic
Radionuclide Production Cross Section

58-Ce-137



58-Ce-137g
58-Ce-137m2

Incident Energy (MeV)

58-Ce-137

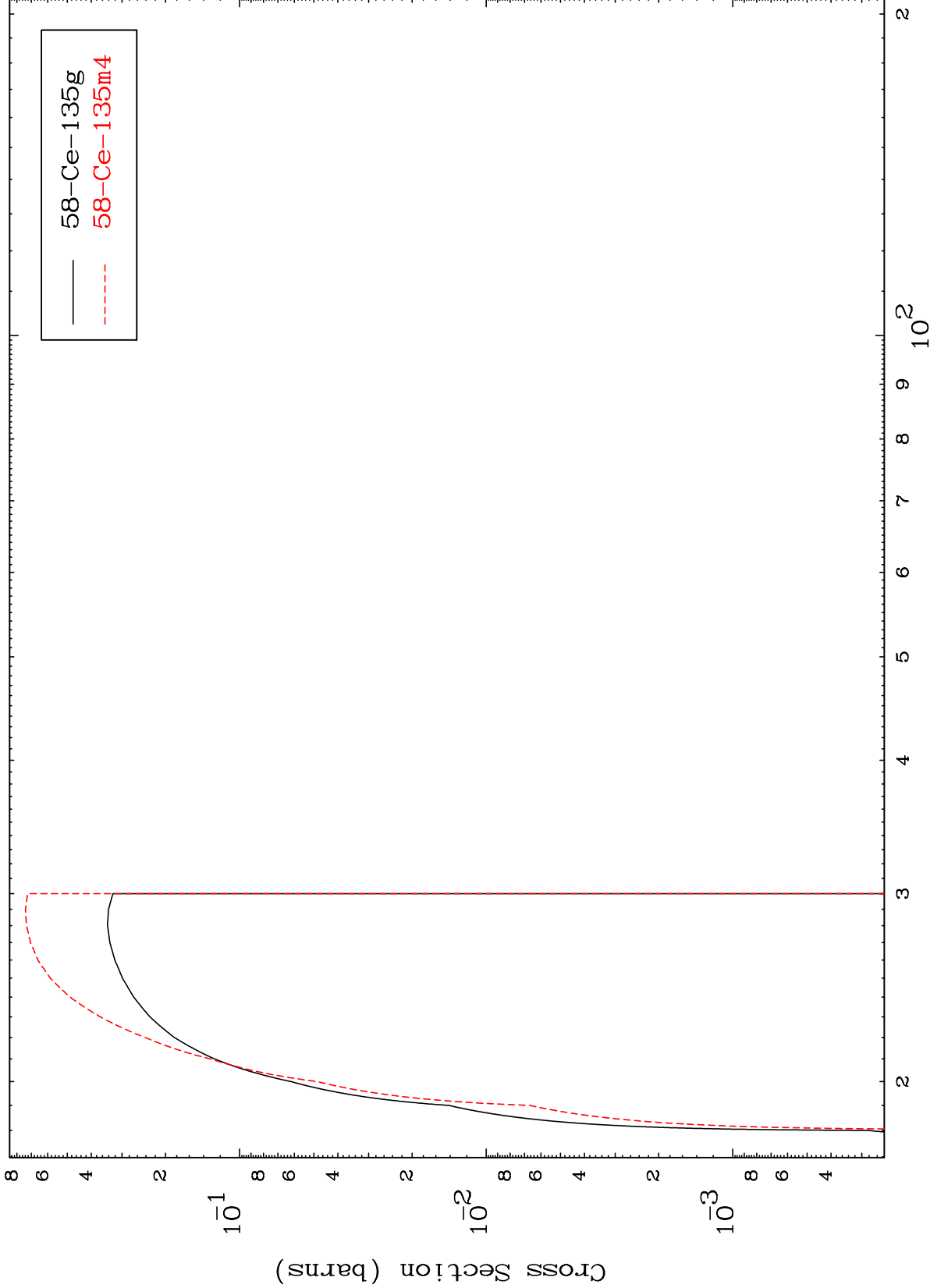
87

MAT 5828

(n,3n)

58-Ce-137

Radionuclide Production Cross Section



88

Incident Energy (MeV)

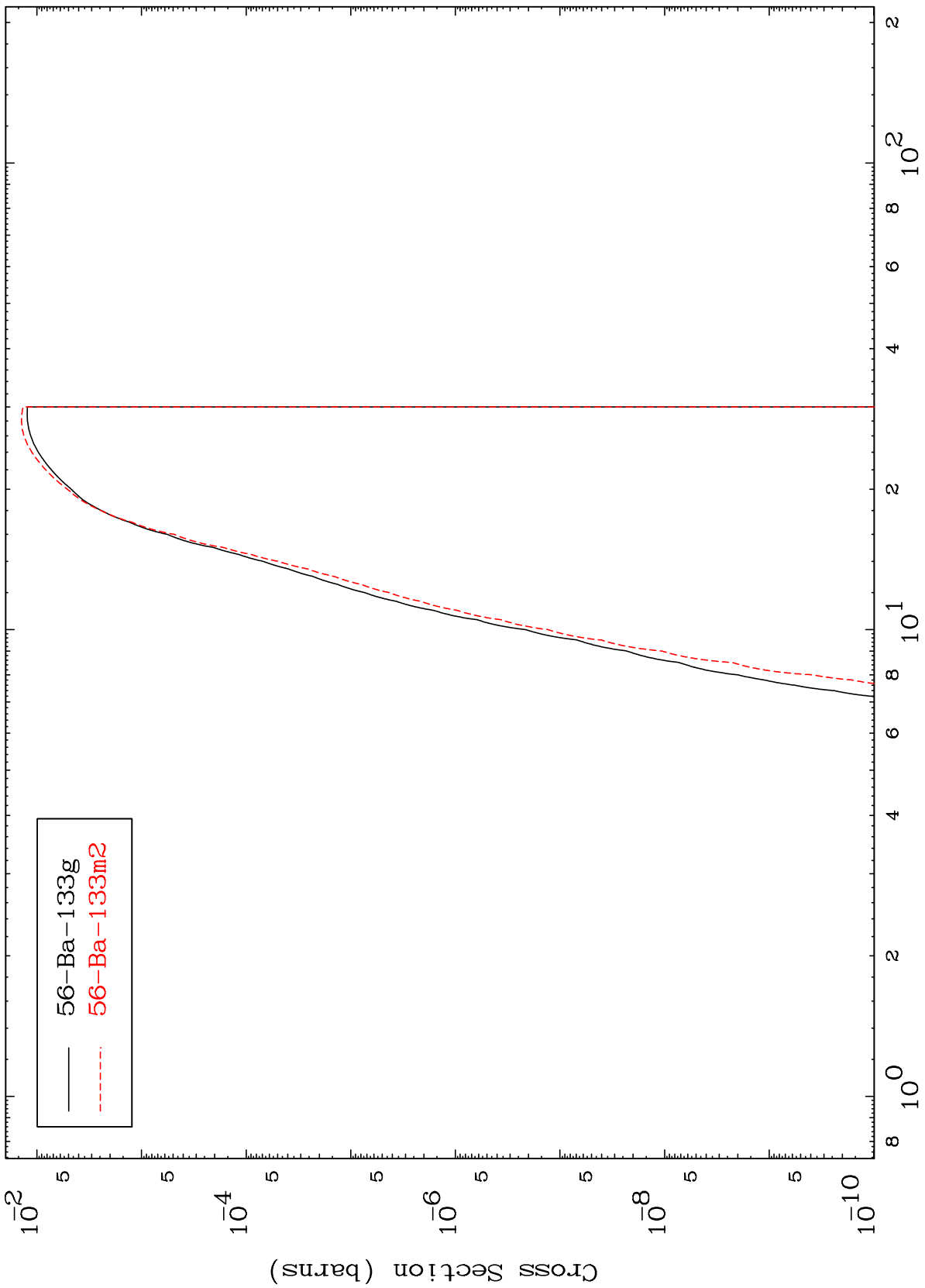
58-Ce-137

MAT 5828

(n,n') α

58-Ce-137

Radionuclide Production Cross Section



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

89

Incident Energy (MeV)

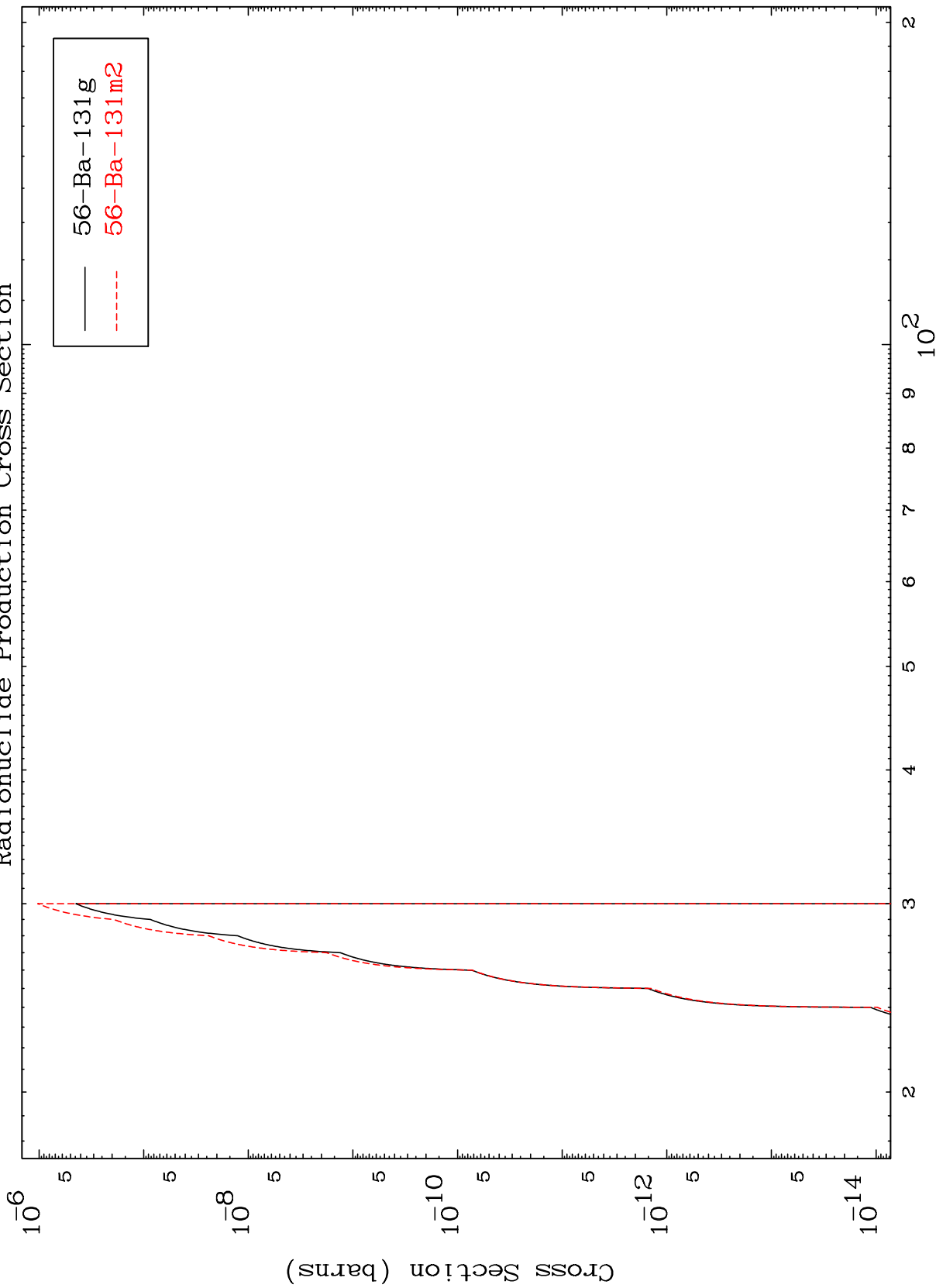
58-Ce-137

MAT 5828

(n,3n) α

58-Ce-137

Radionuclide Production Cross Section



90

Incident Energy (MeV)

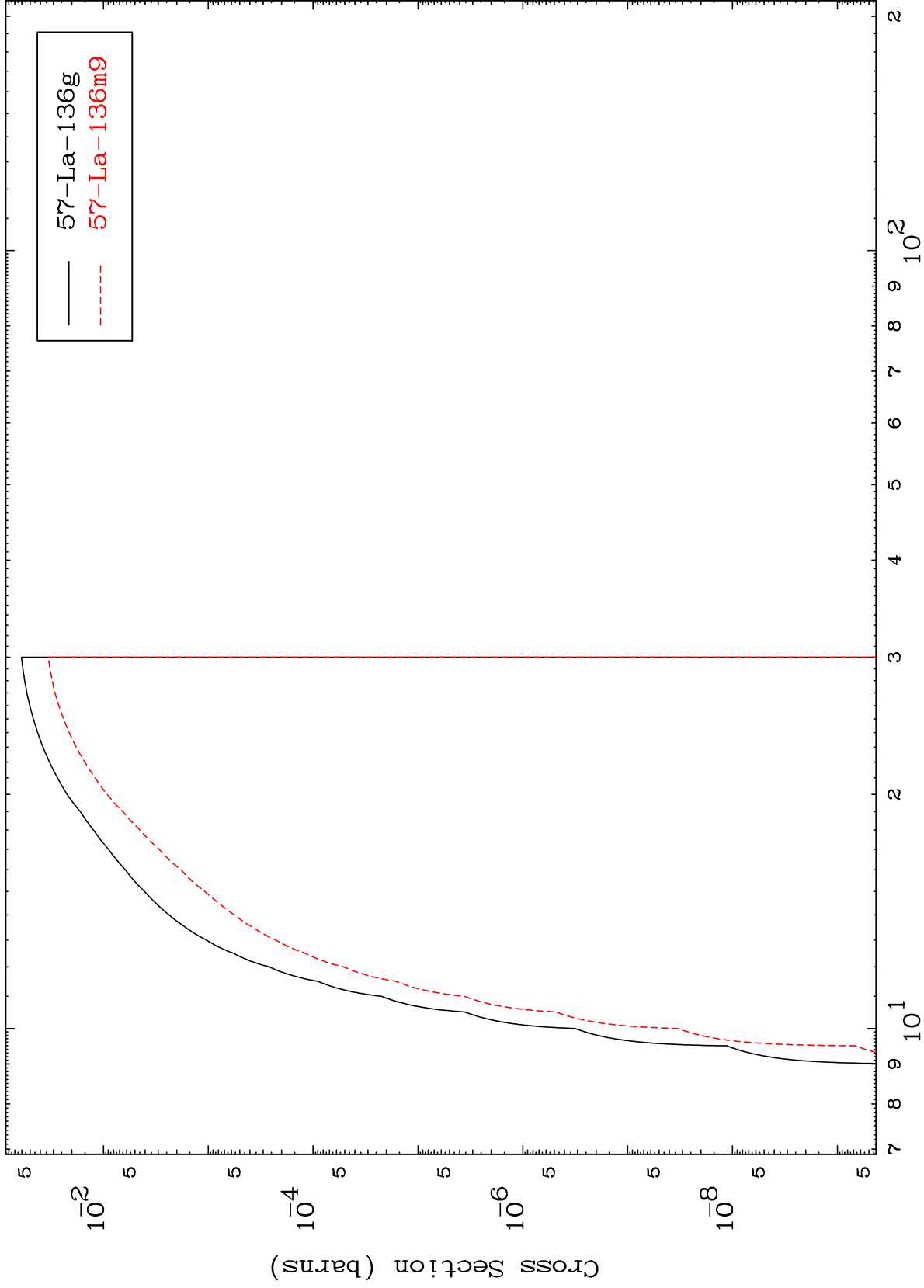
58-Ce-137

MAT 5828

(n,n') p

58-Ce-137

Radionuclide Production Cross Section



91

Incident Energy (MeV)

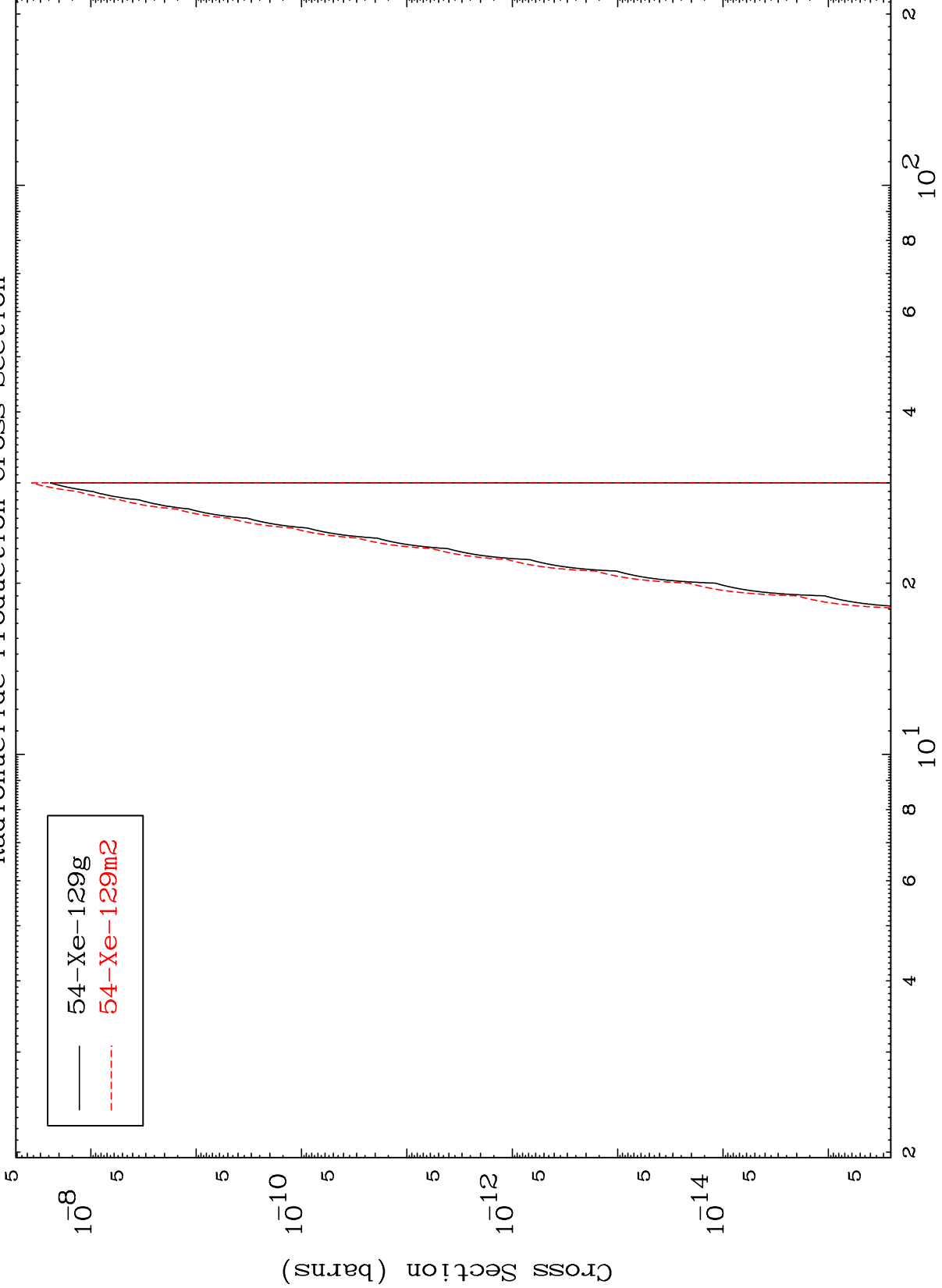
58-Ce-137

MAT 5828

(n,n') 2α

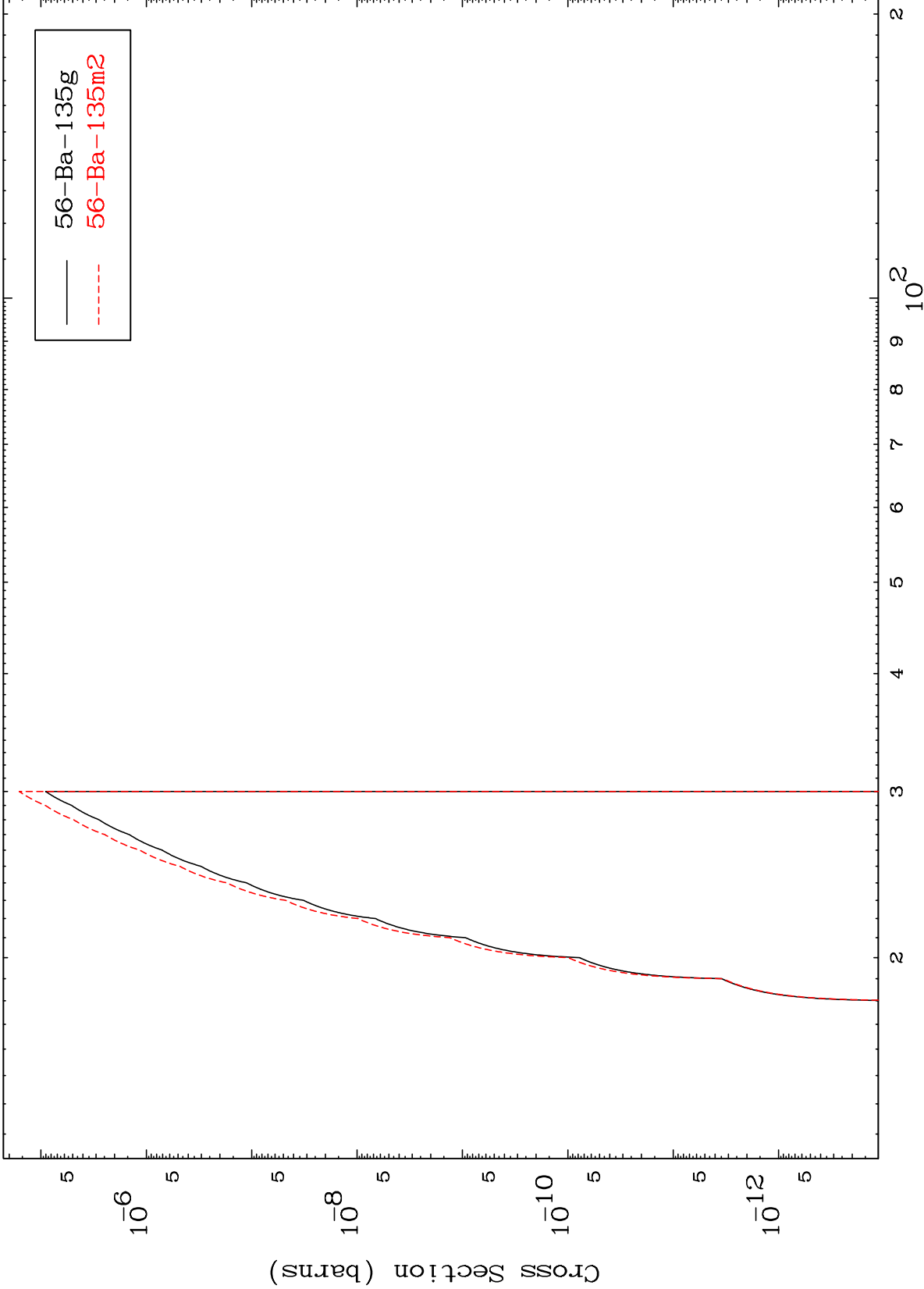
58-Ce-137

Radionuclide Production Cross Section



54-Xe-129g
54-Xe-129m2

Radionuclide Production Cross Section



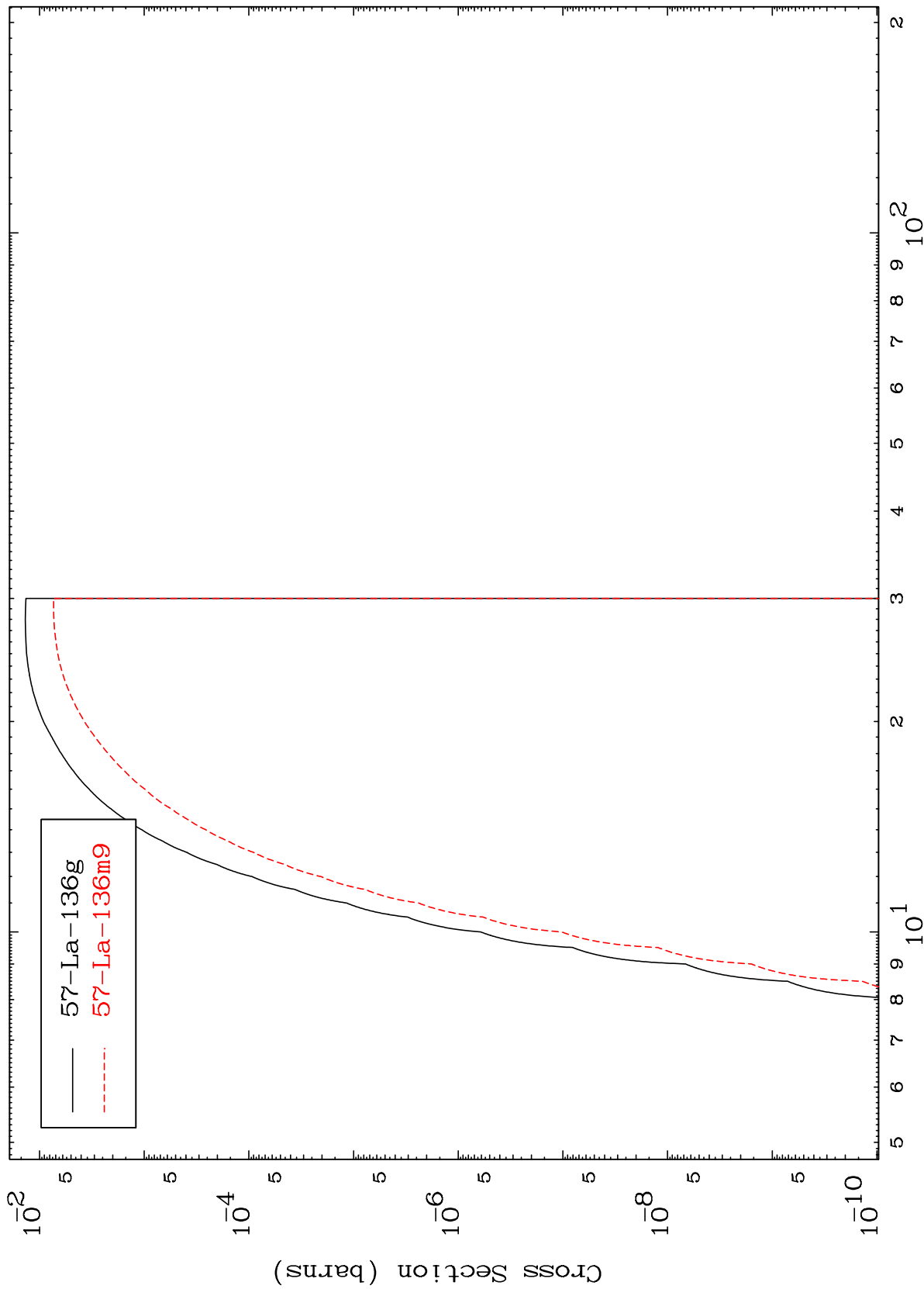
56-Ba-135g
56-Ba-135m2

MAT 5828

(n,d)

58-Ce-137

Radionuclide Production Cross Section



57-La-136g
57-La-136m9

94

Incident Energy (MeV)

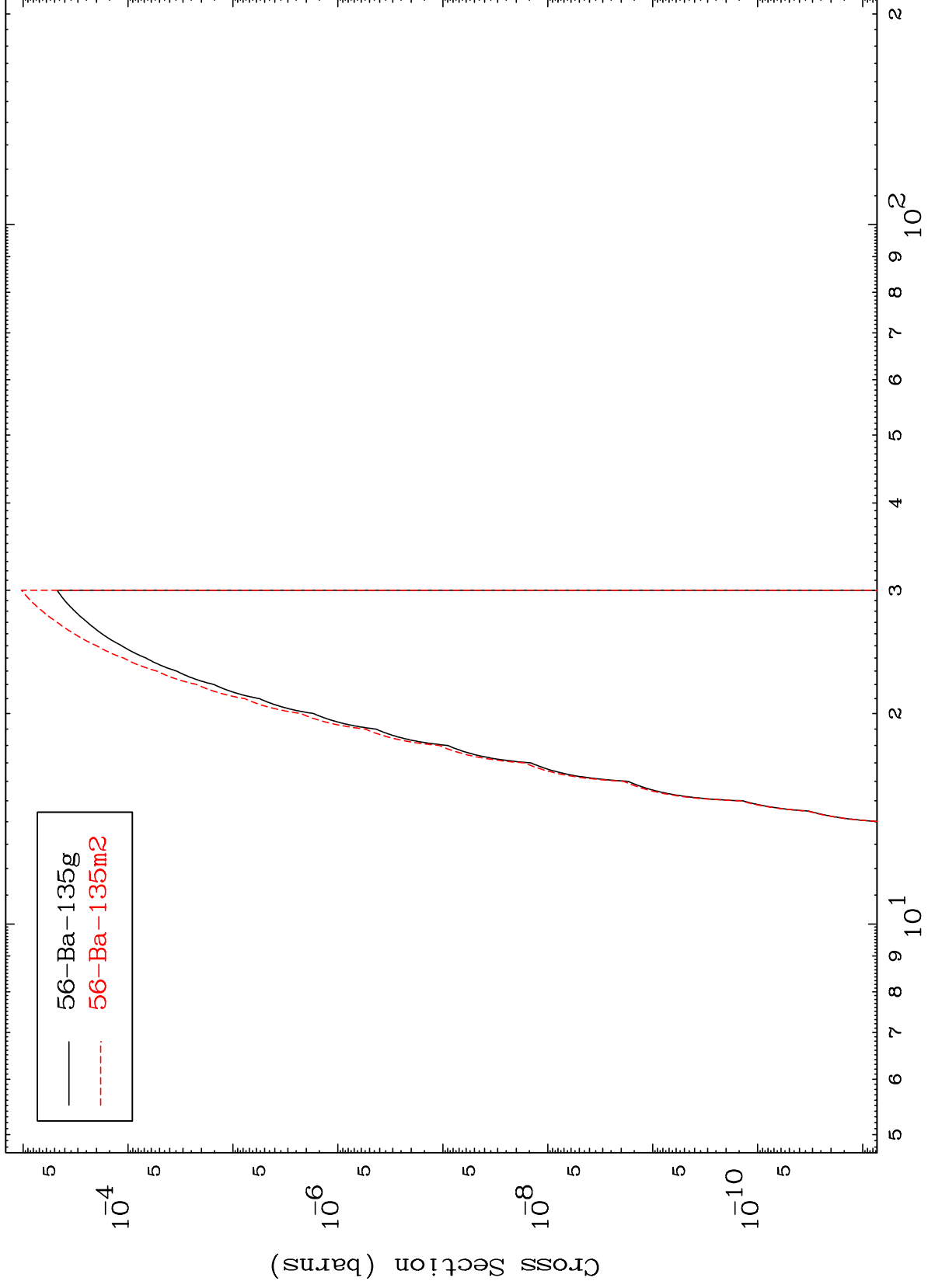
58-Ce-137

MAT 5828

(n,He-3)

58-Ce-137

Radionuclide Production Cross Section



56-Ba-135g
56-Ba-135m2

95

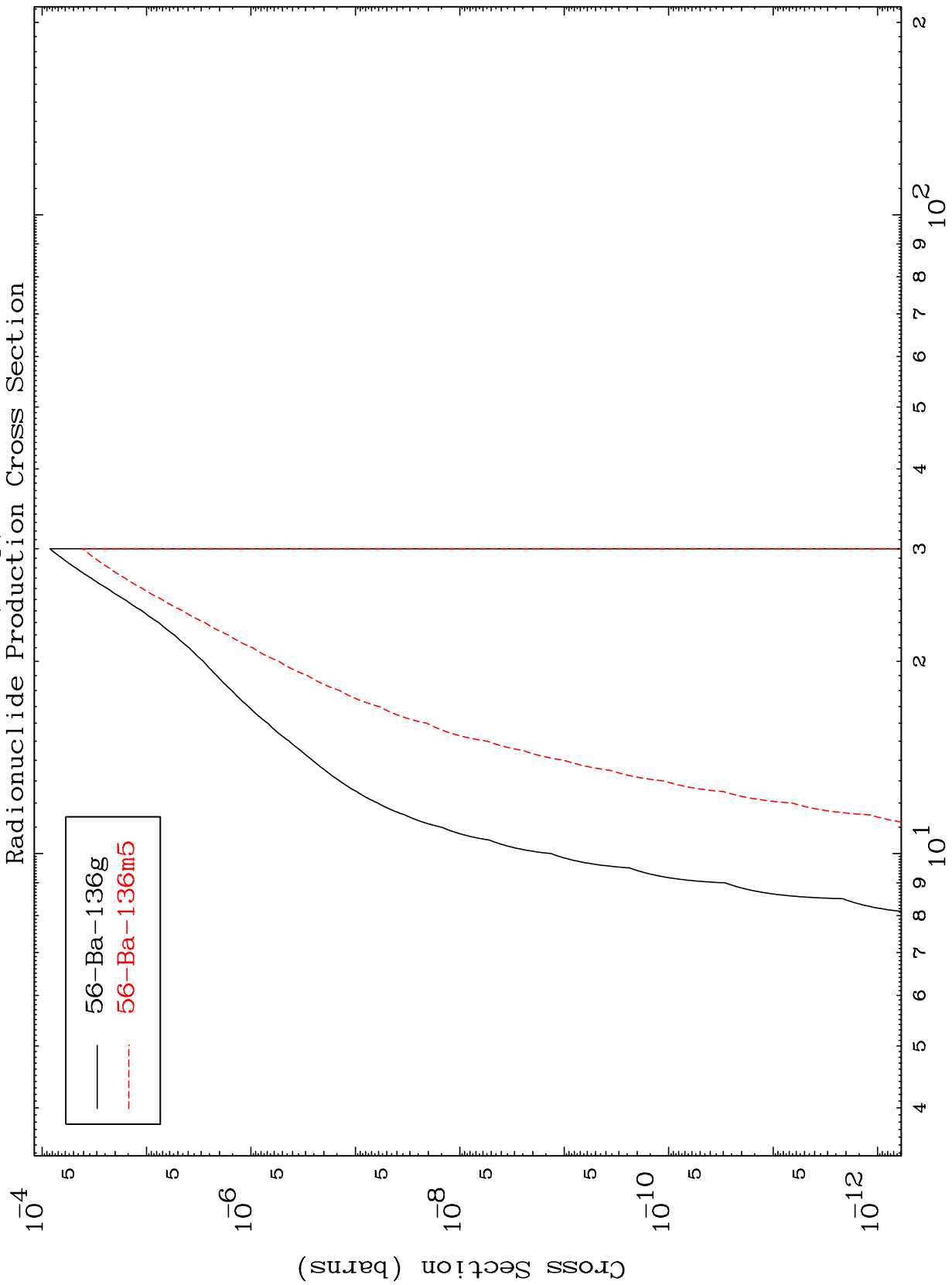
Incident Energy (MeV)

58-Ce-137

MAT 5828

58-Ce-137

(n,2p)
Radionuclide Production Cross Section



96

Incident Energy (MeV)

58-Ce-137

MAT 5828

(n,p) d

58-Ce-137

Radionuclide Production Cross Section

