

Program EVALPLOT
(Version 2021-1)

by

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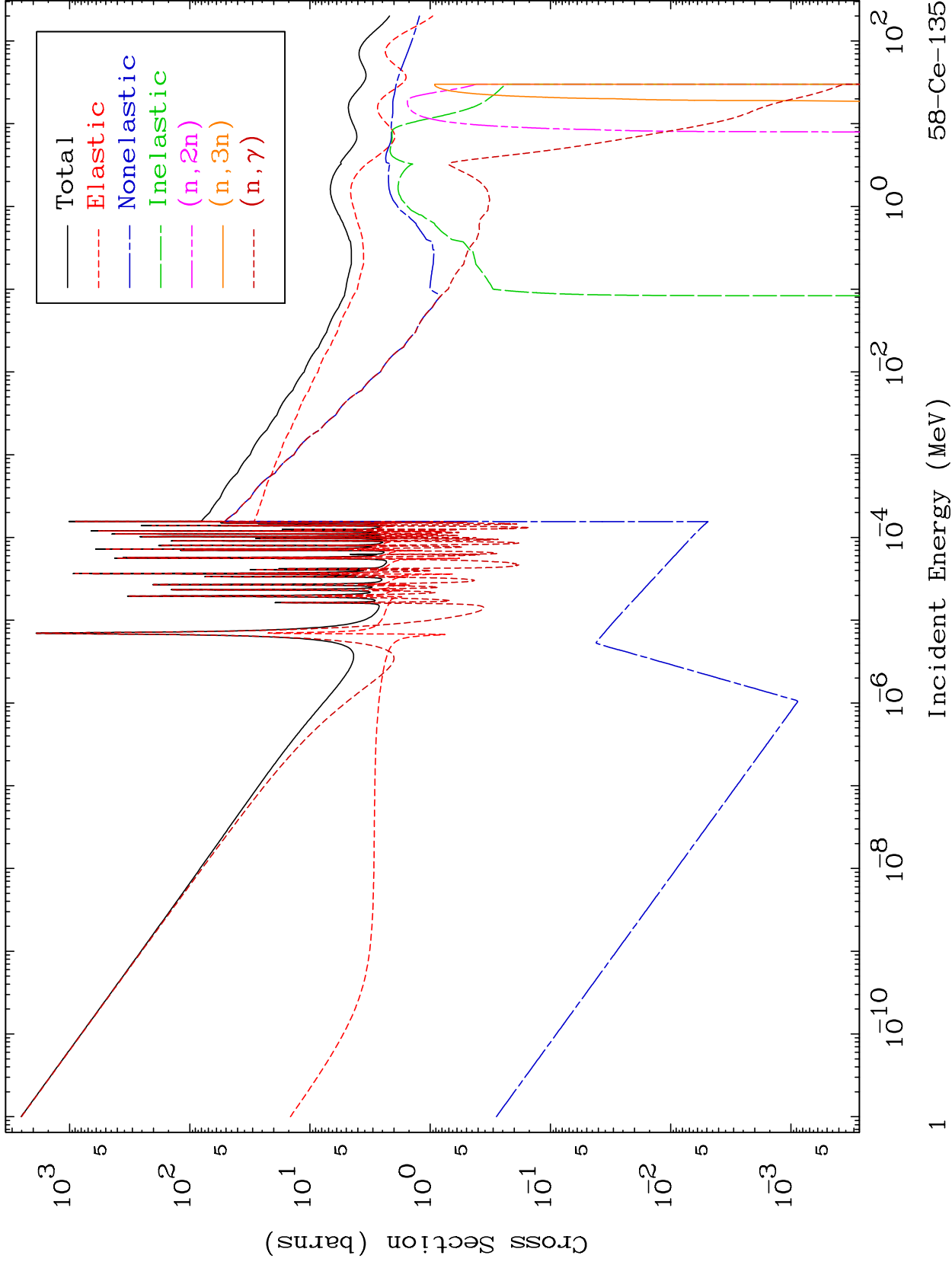
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5822

Neutron Major
293 Kelvin Cross Sections

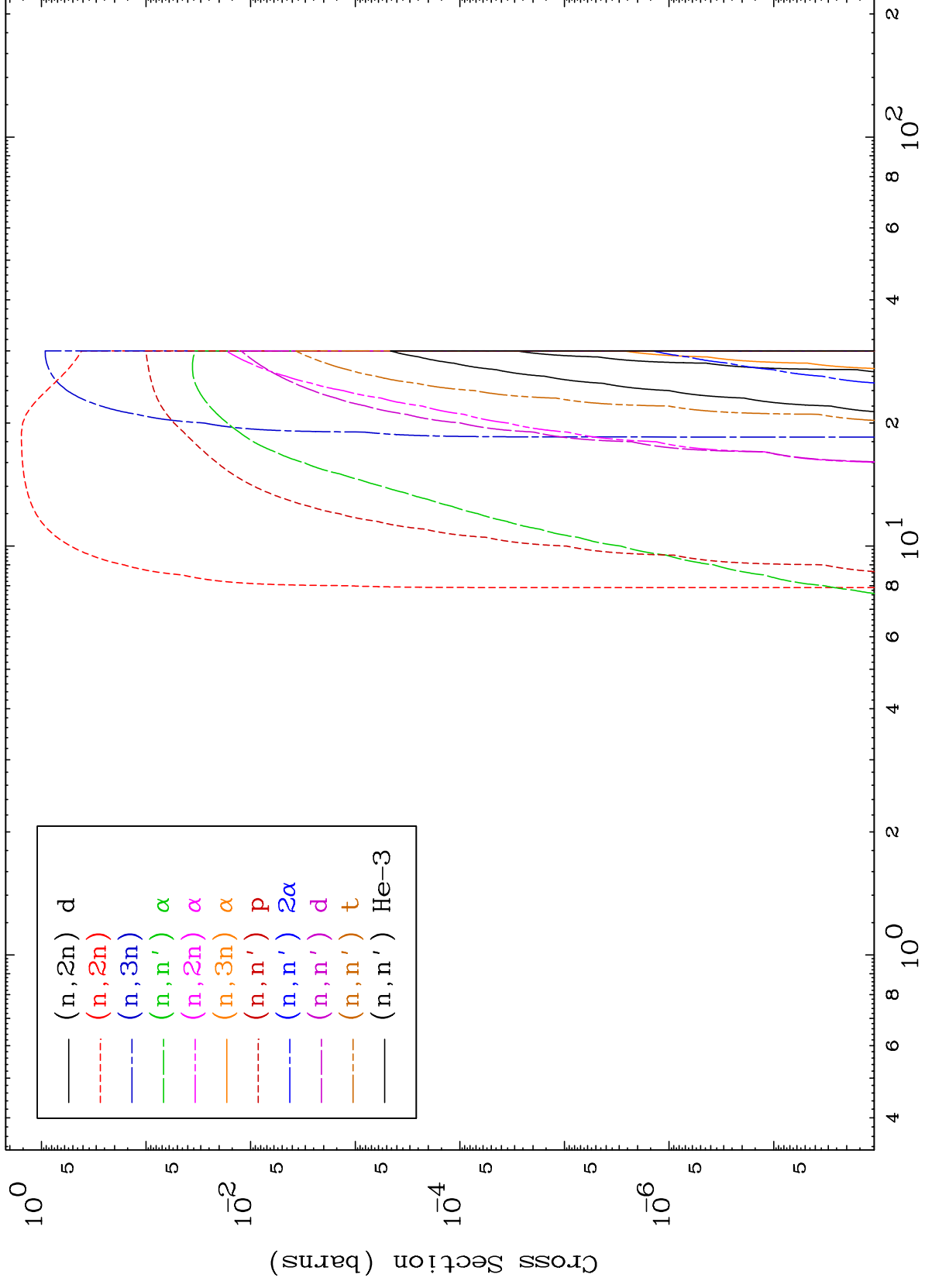
58-Ce-135



MAT 5822

Neutron Absorption
293 Kelvin Cross Sections

58-Ce-135

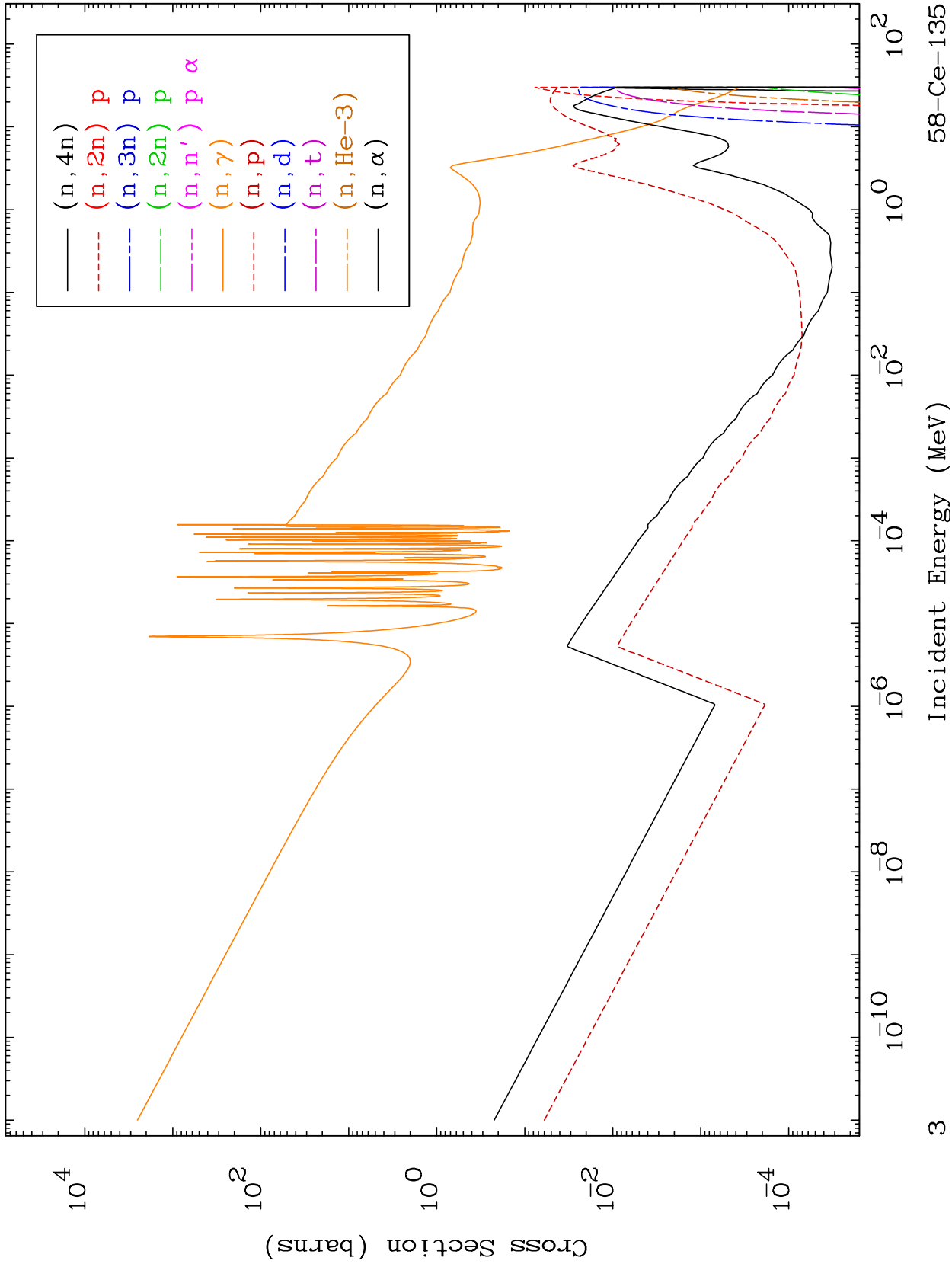


—	(n, 2n)	d
- - -	(n, 2n)	
- . - .	(n, 3n)	
—	(n, n')	α
- . - .	(n, 2n)	α
—	(n, 3n)	α
- - -	(n, n')	p
- . - .	(n, n')	2 α
—	(n, n')	d
- - -	(n, n')	t
—	(n, n')	He-3

58-Ce-135

Incident Energy (MeV)

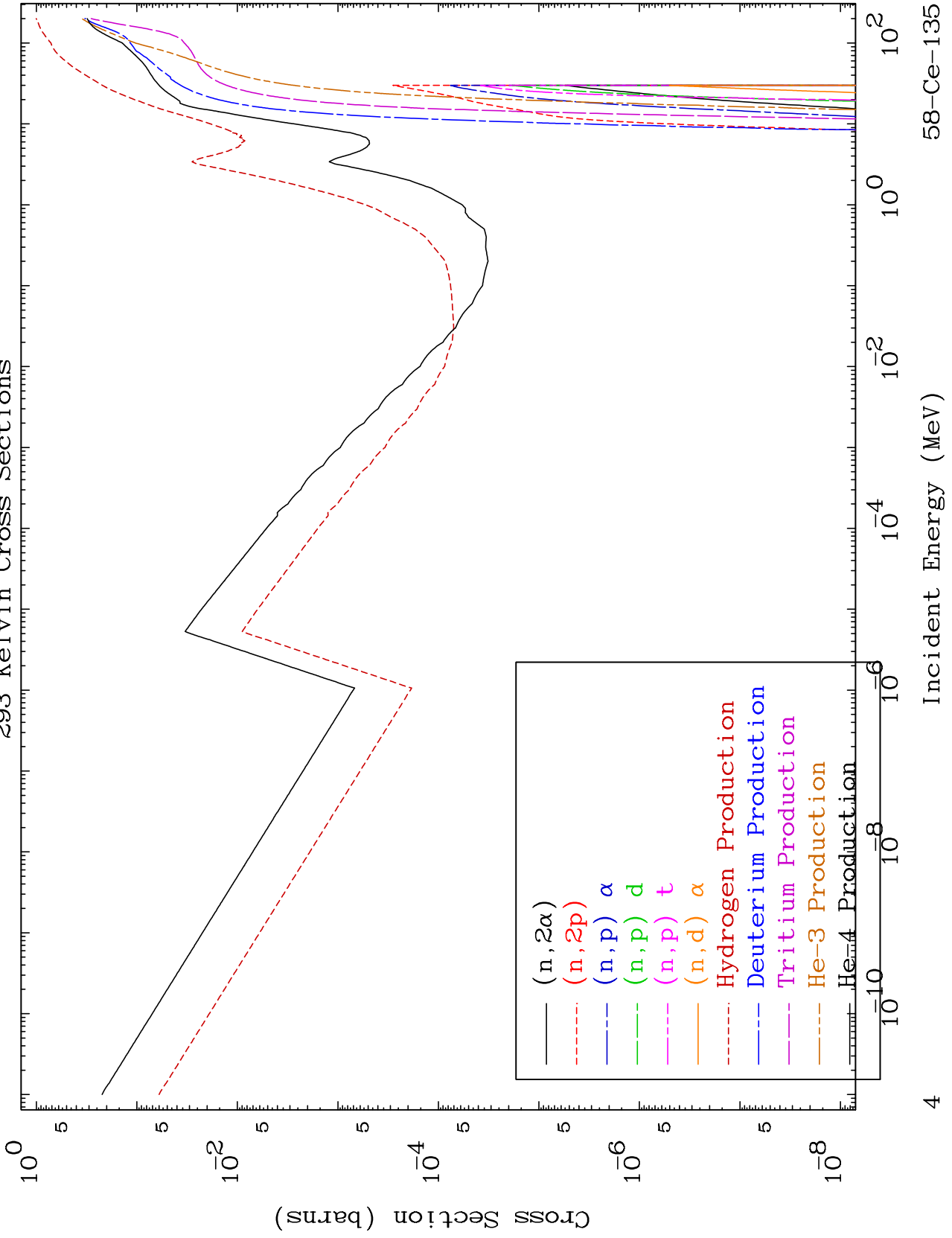
2



MAT 58222

Neutron Absorption
293 Kelvin Cross Sections

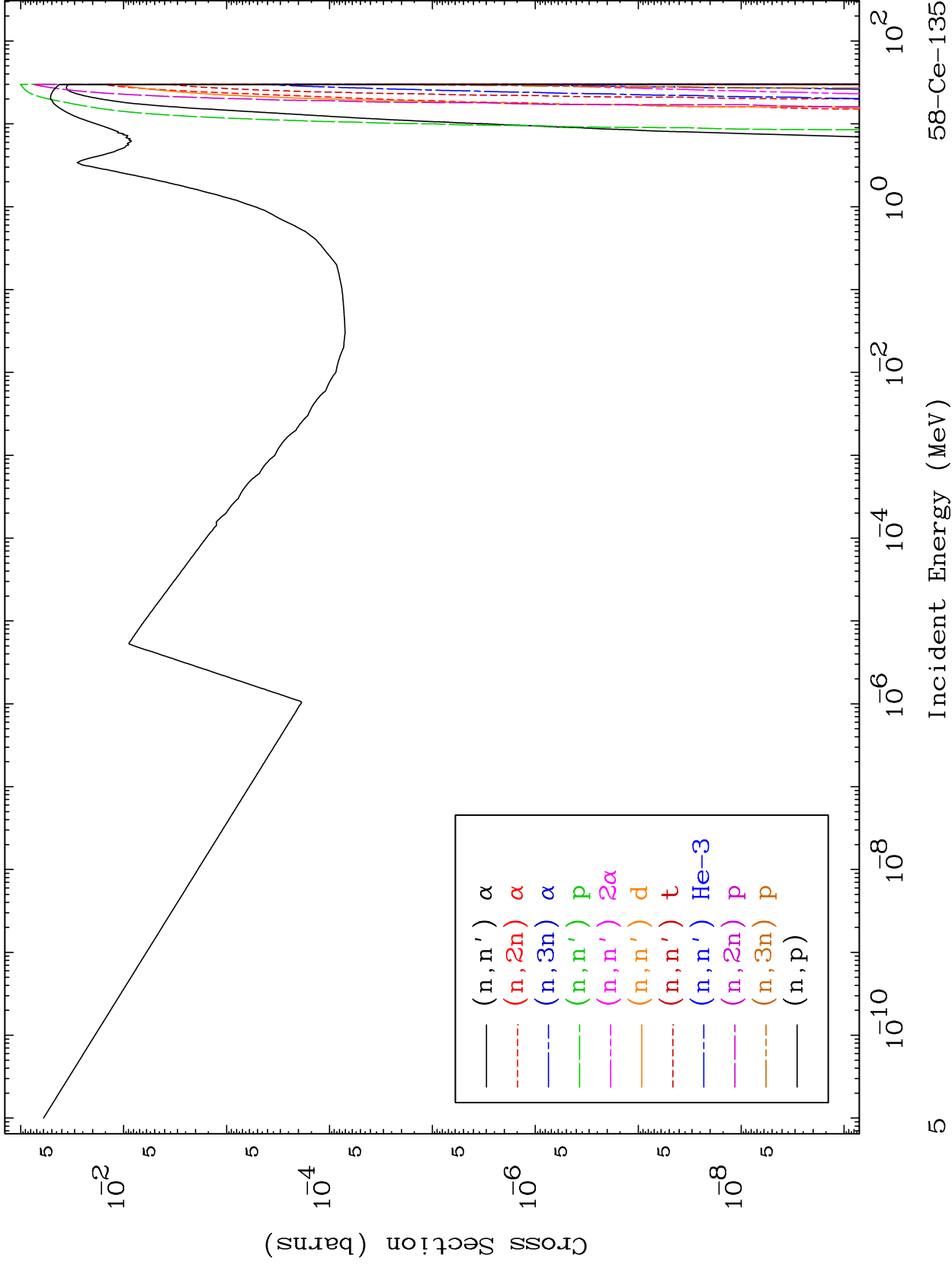
58-Ce-135



MAT 5822

Charged Particle
293 Kelvin Cross Sections

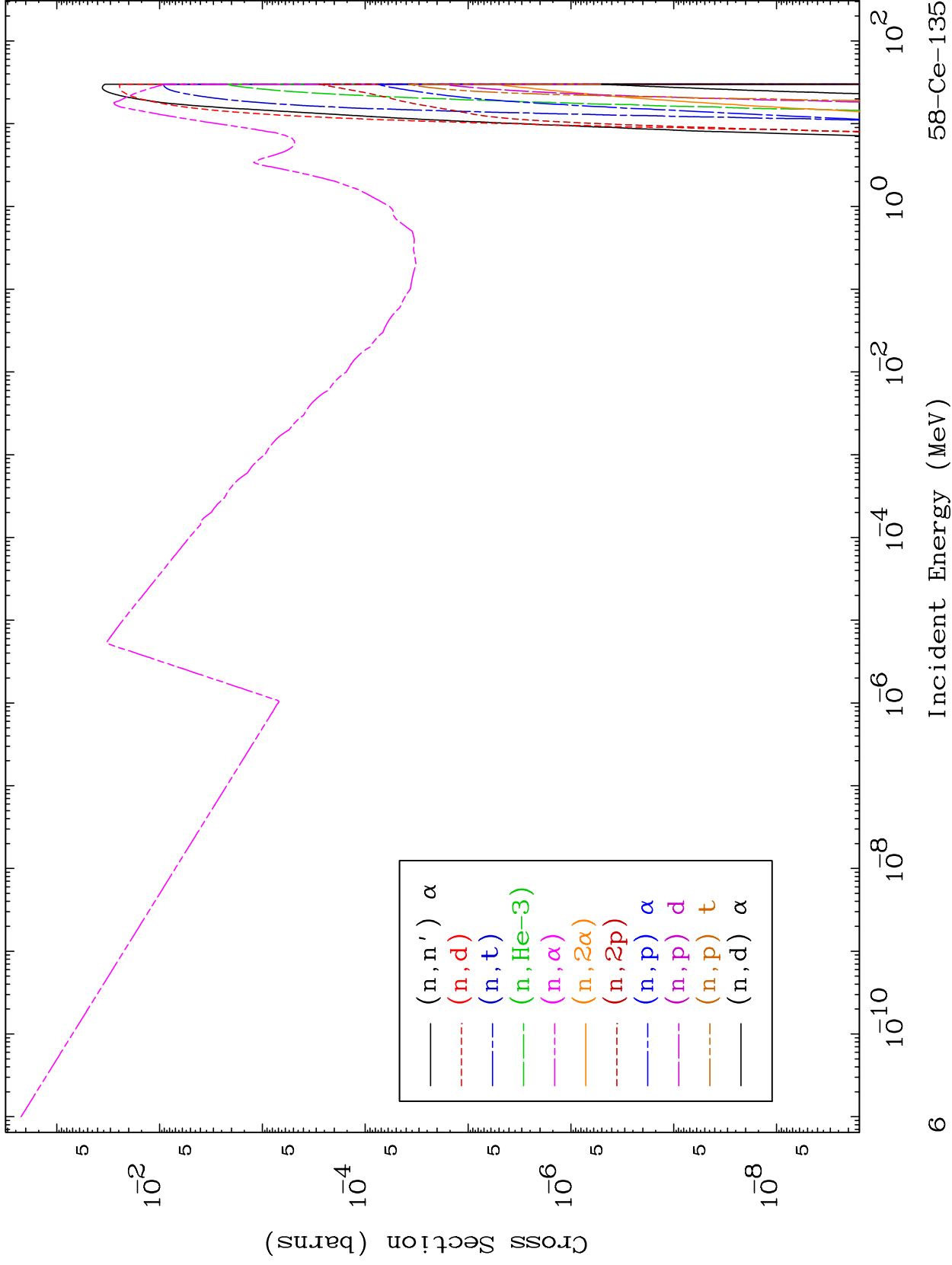
58-Ce-135



MAT 58222

Charged Particle
293 Kelvin Cross Sections

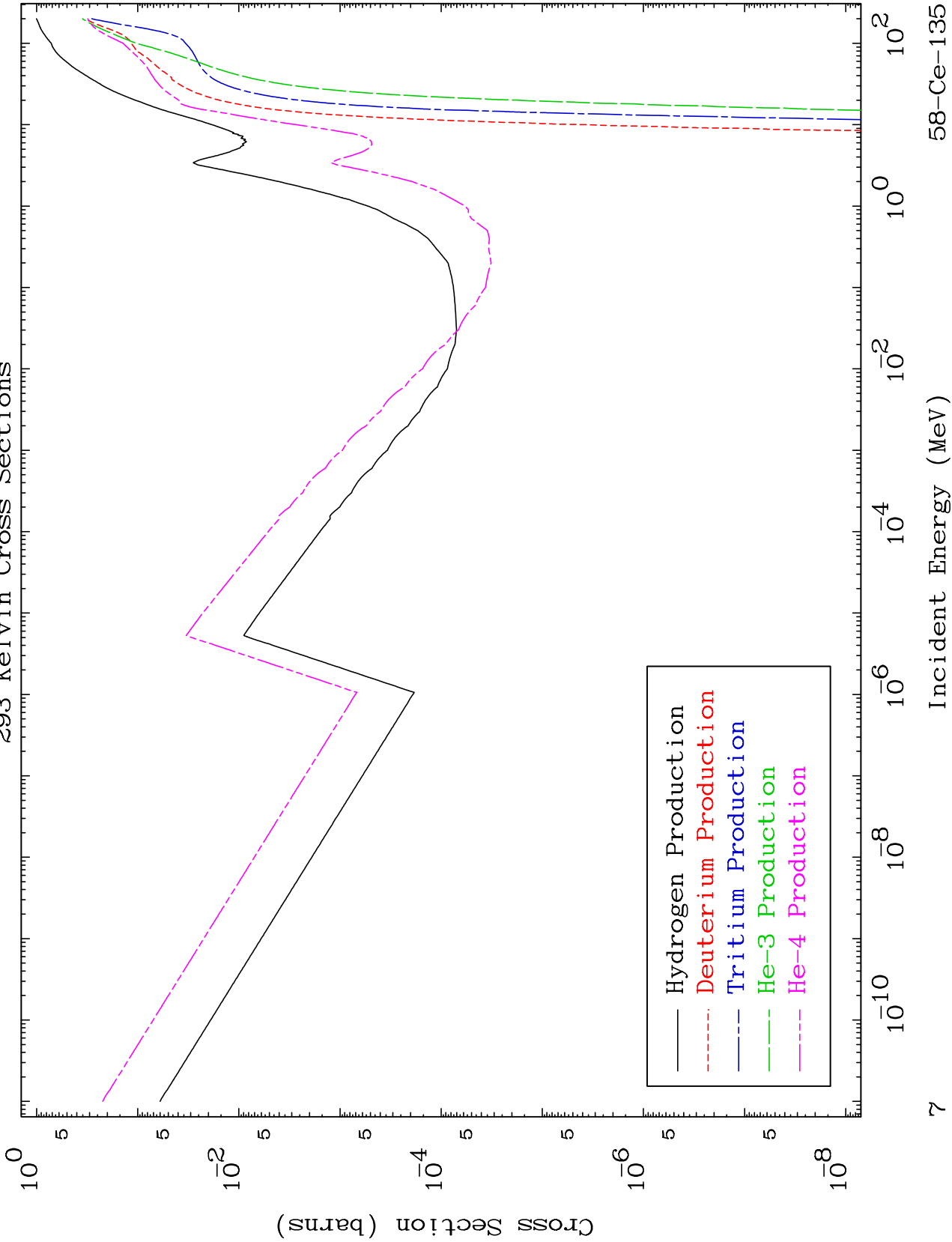
58-Ce-135



MAT 58222

Particle Production
293 Kelvin Cross Sections

58-Ce-135

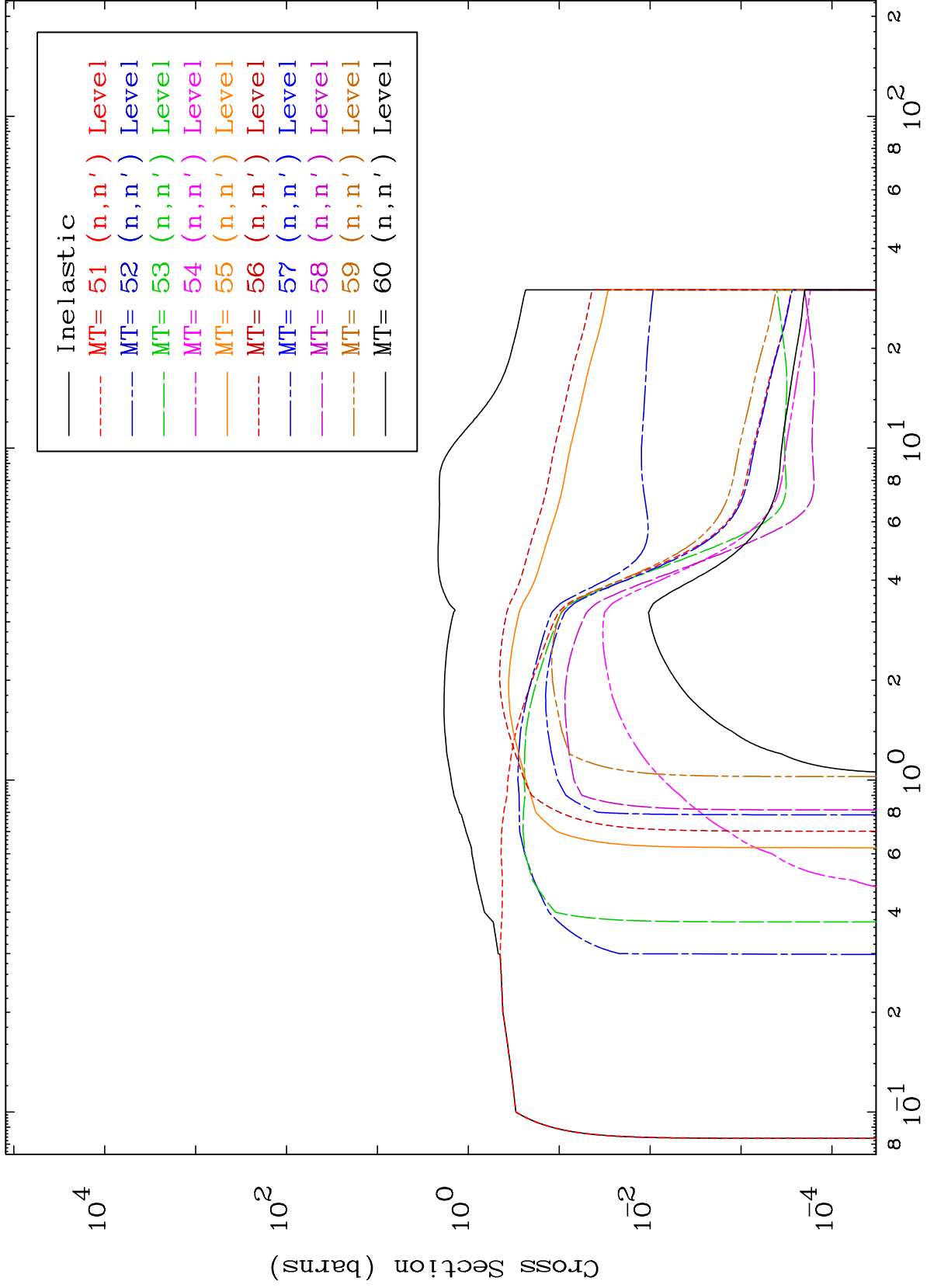


MAT 58222

(n,n') Levels

58-Ce-135

293 Kelvin Cross Sections

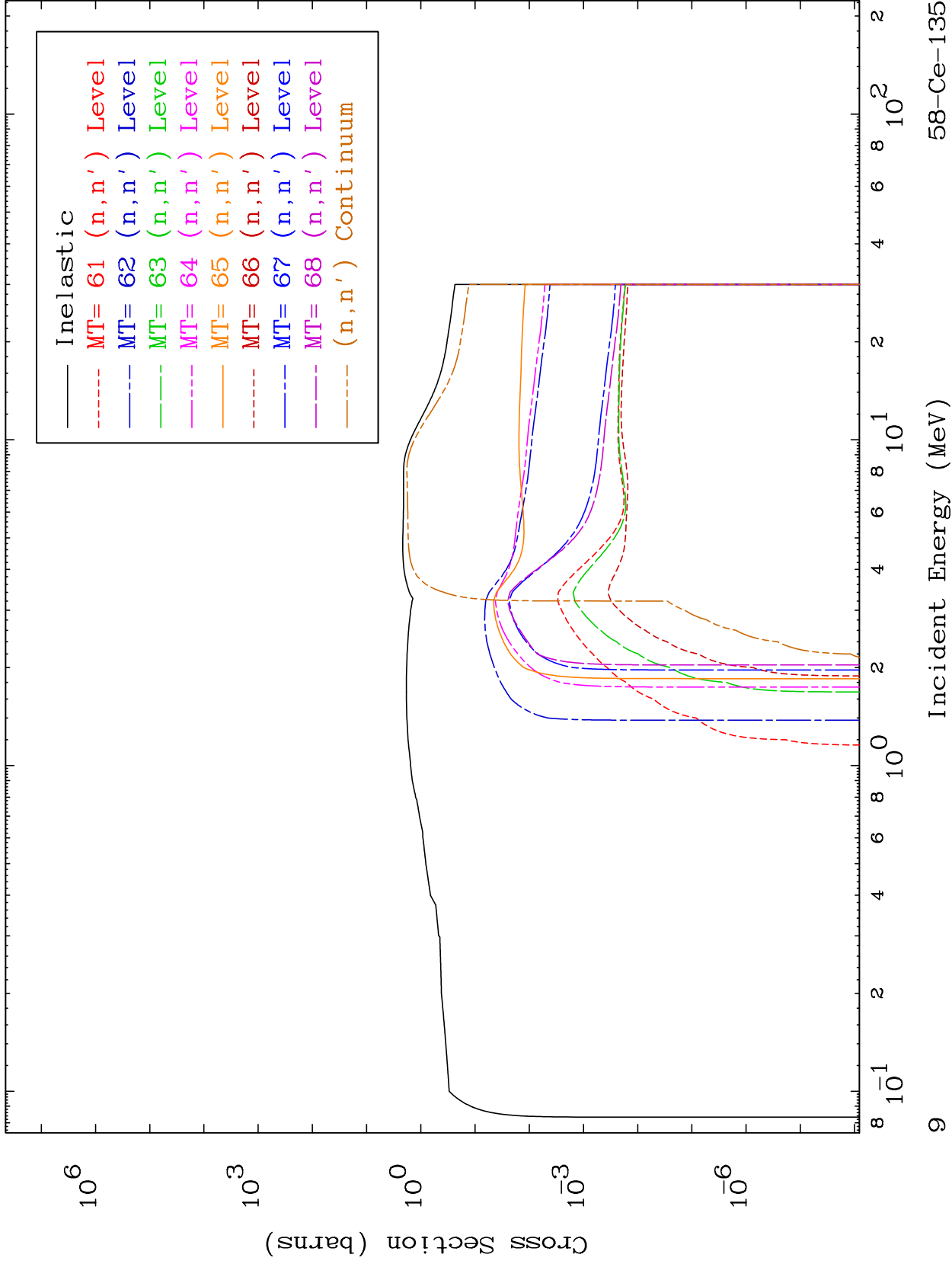


8

Incident Energy (MeV)

58-Ce-135

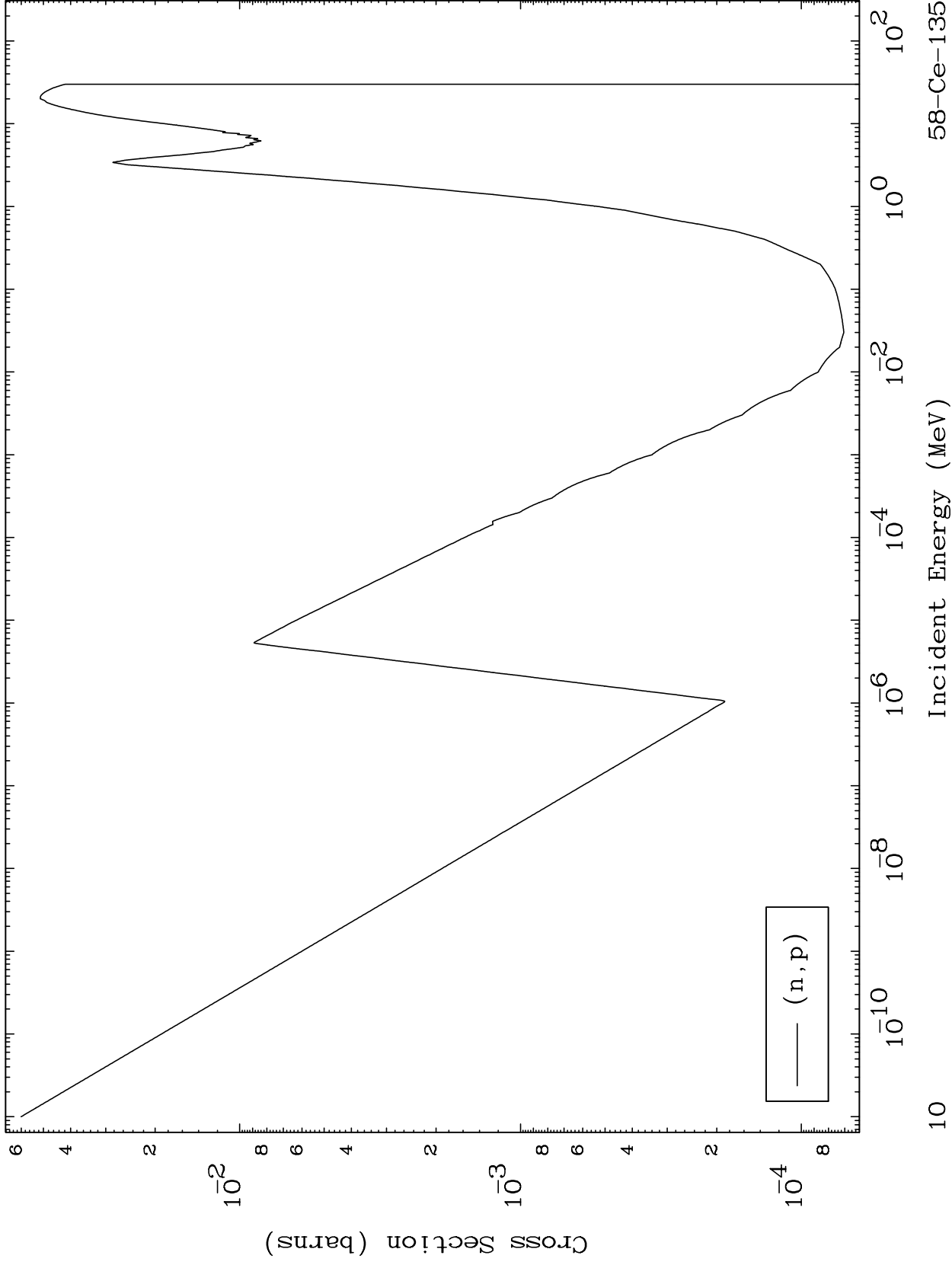
293 Kelvin Cross Sections



MAT 58222

(n,p) Levels
293 Kelvin Cross Sections

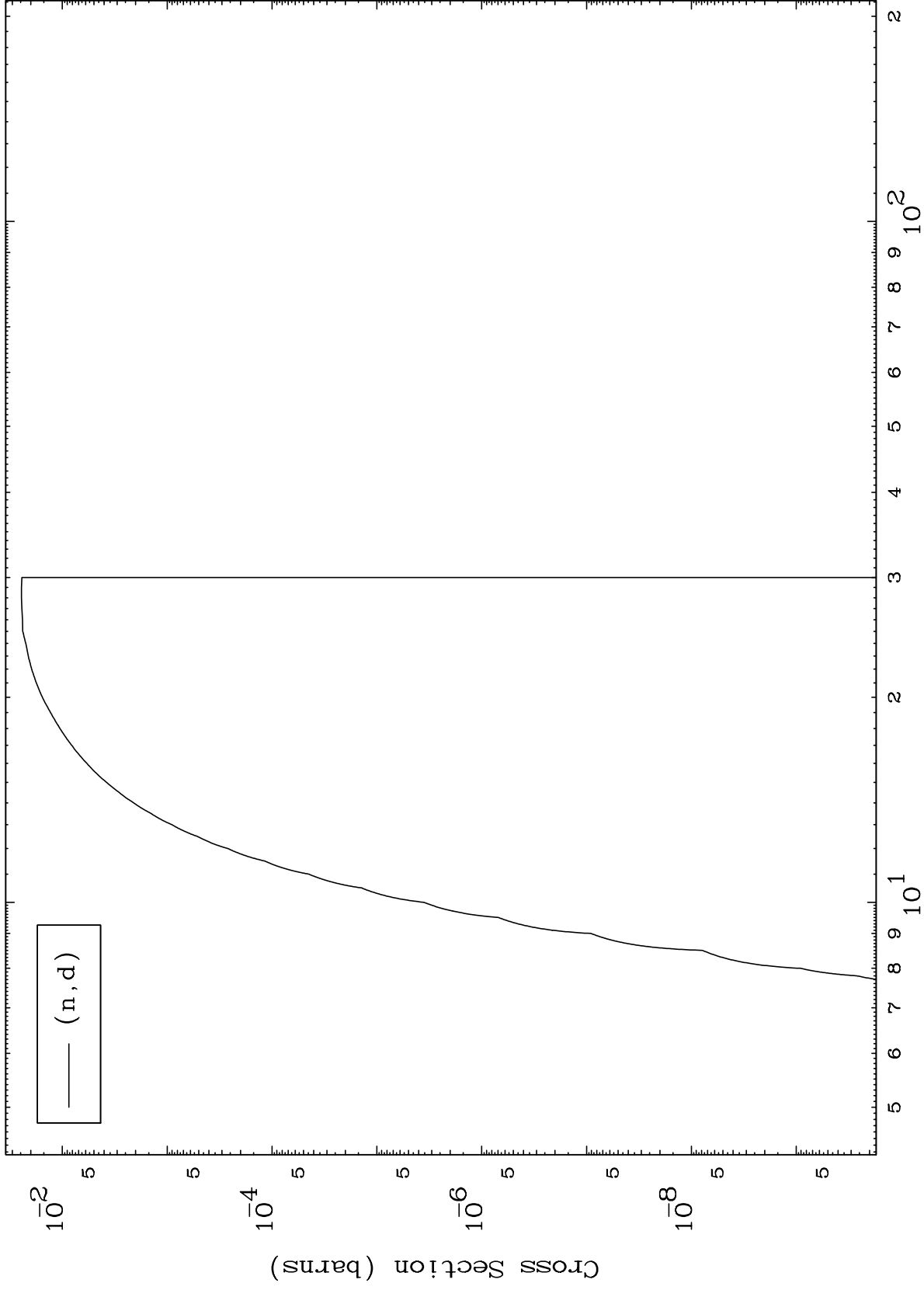
58-Ce-135



MAT 58222

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-135



11

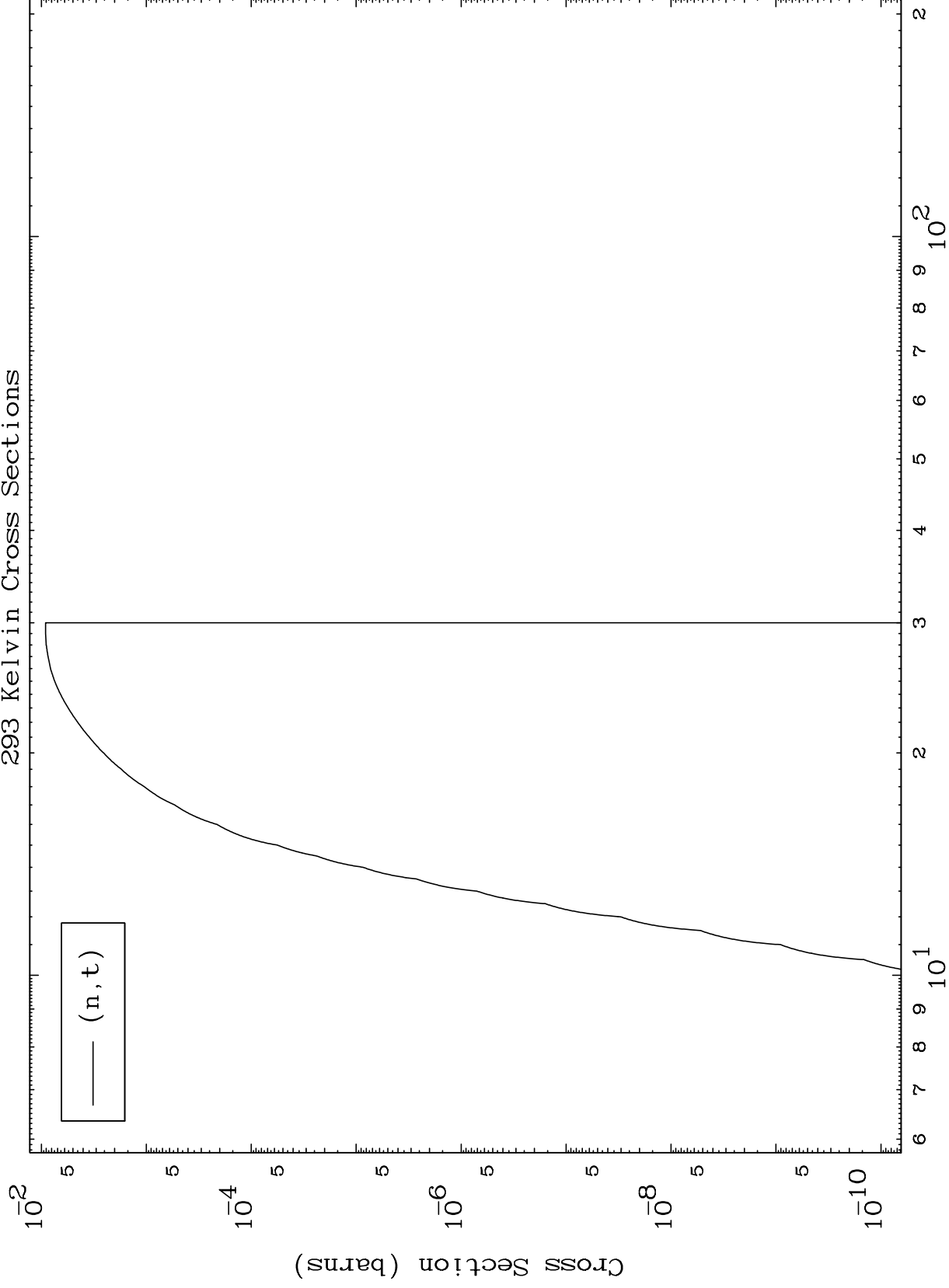
Incident Energy (MeV)

58-Ce-135

MAT 58222

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-135



12

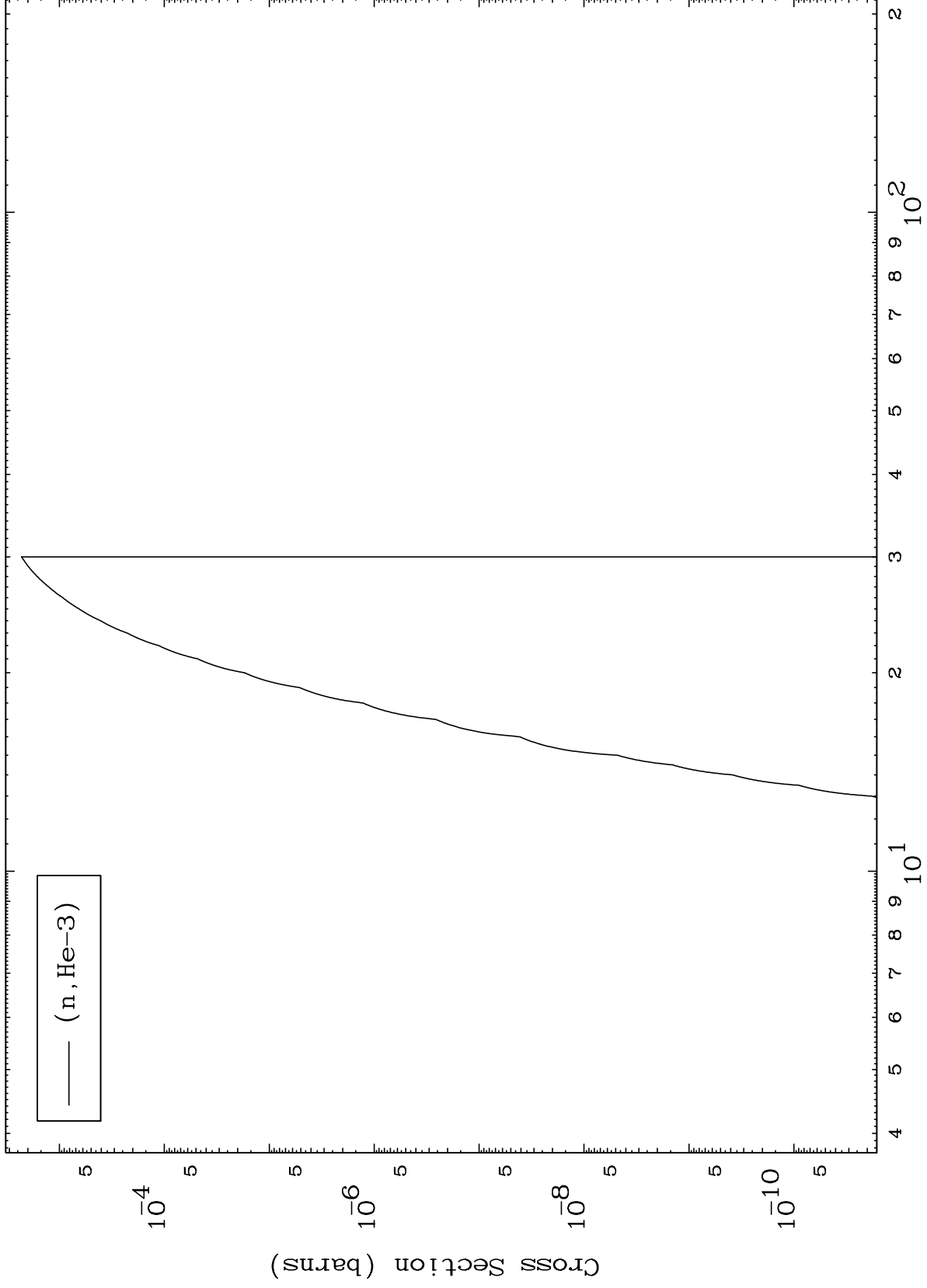
Incident Energy (MeV)

58-Ce-135

MAT 58222

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-135



13

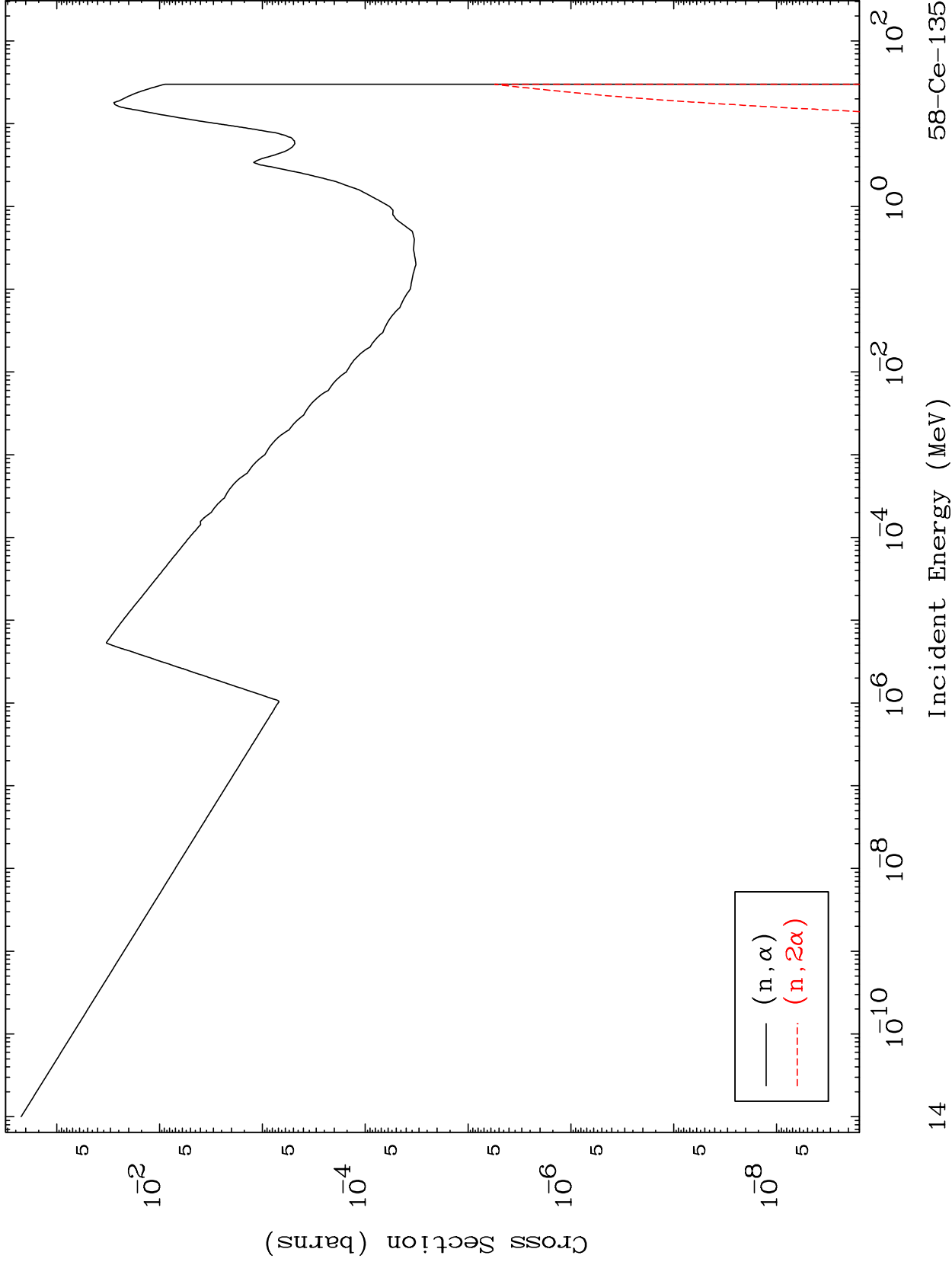
Incident Energy (MeV)

58-Ce-135

MAT 58222

(n, α) Levels
293 Kelvin Cross Sections

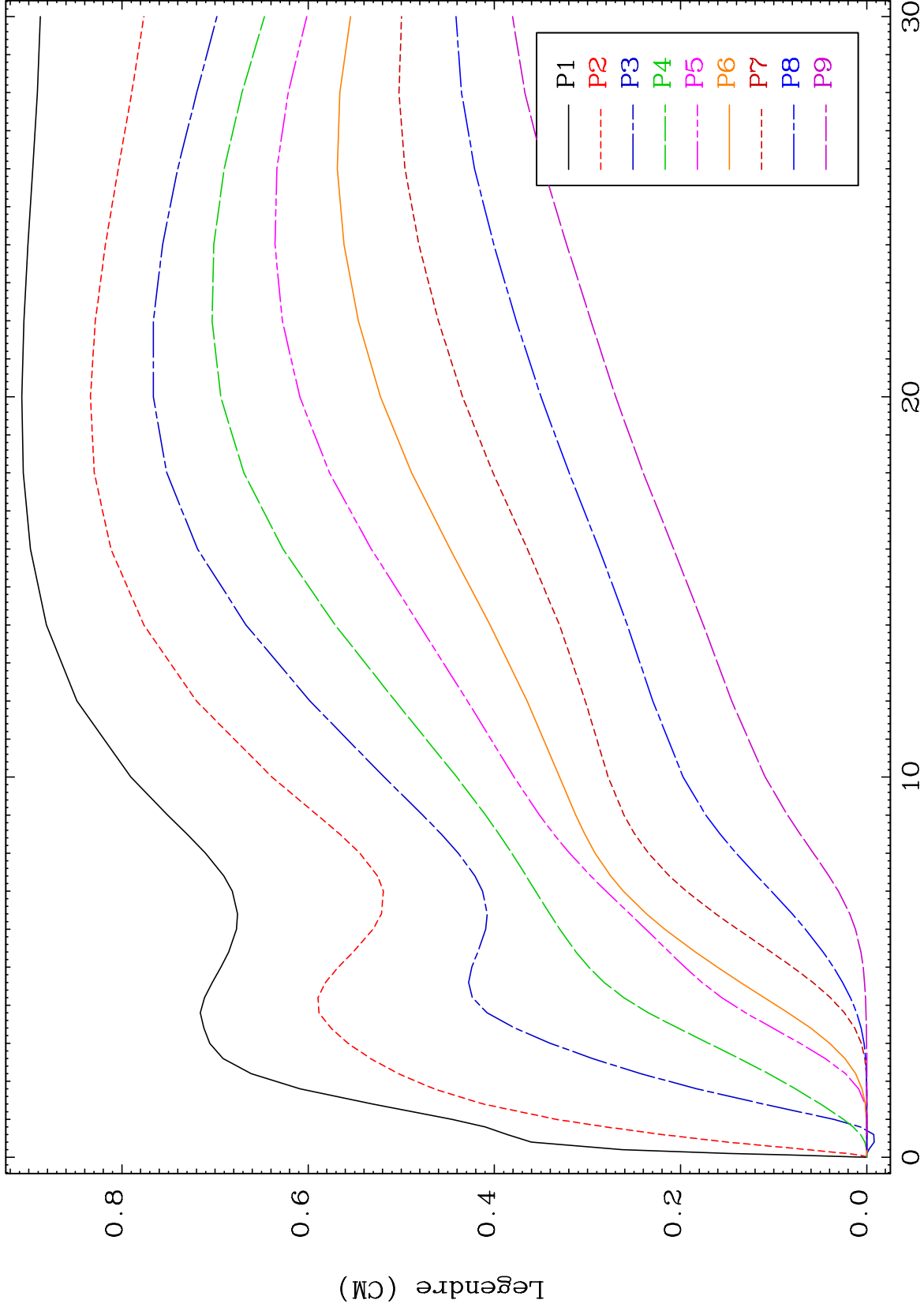
58-Ce-135



MAT 5822

Elastic Legendre Coefficients

58-Ce-135



0

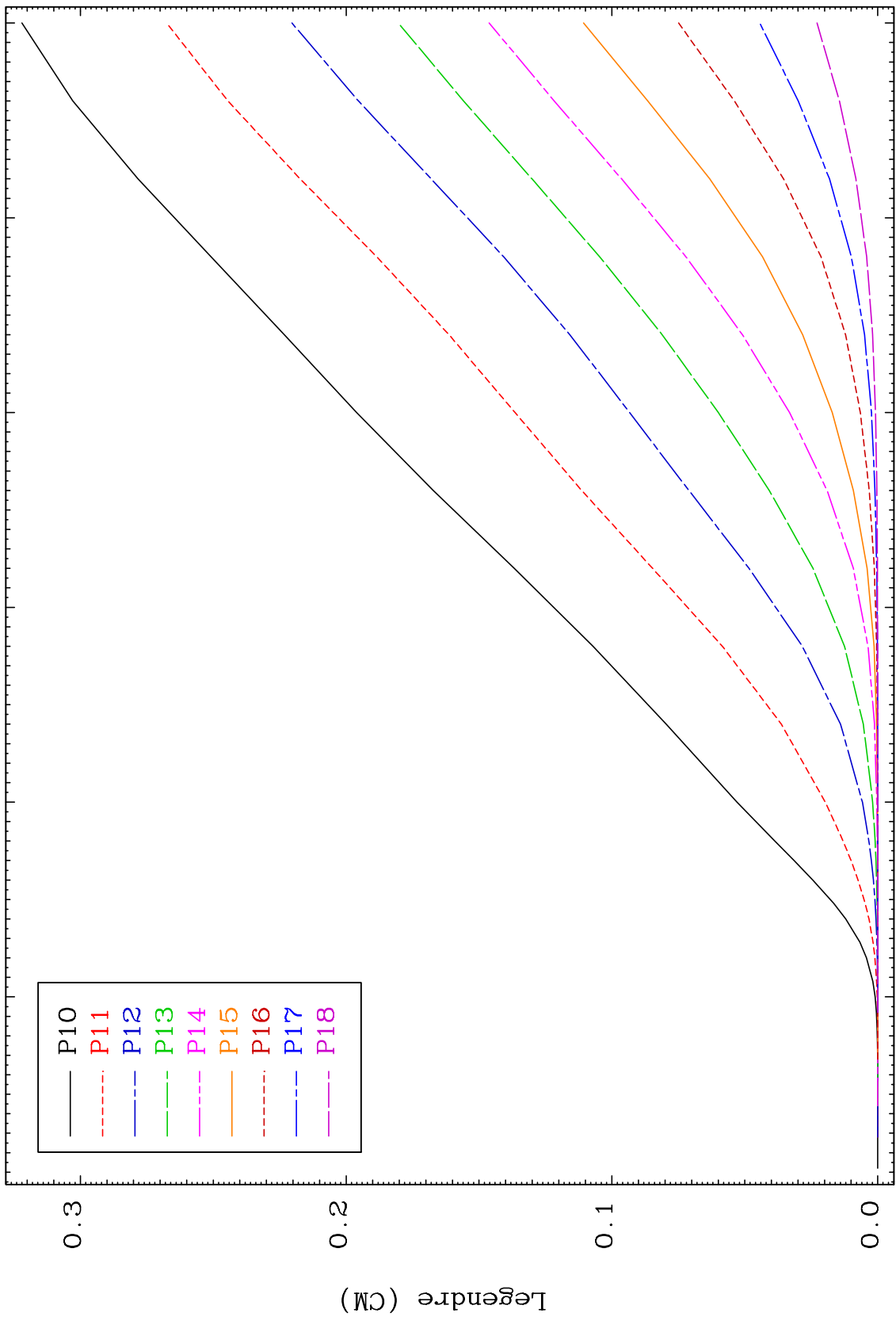
Incident Energy (MeV)

58-Ce-135

MAT 5822

Elastic Legendre Coefficients

58-Ce-135



16

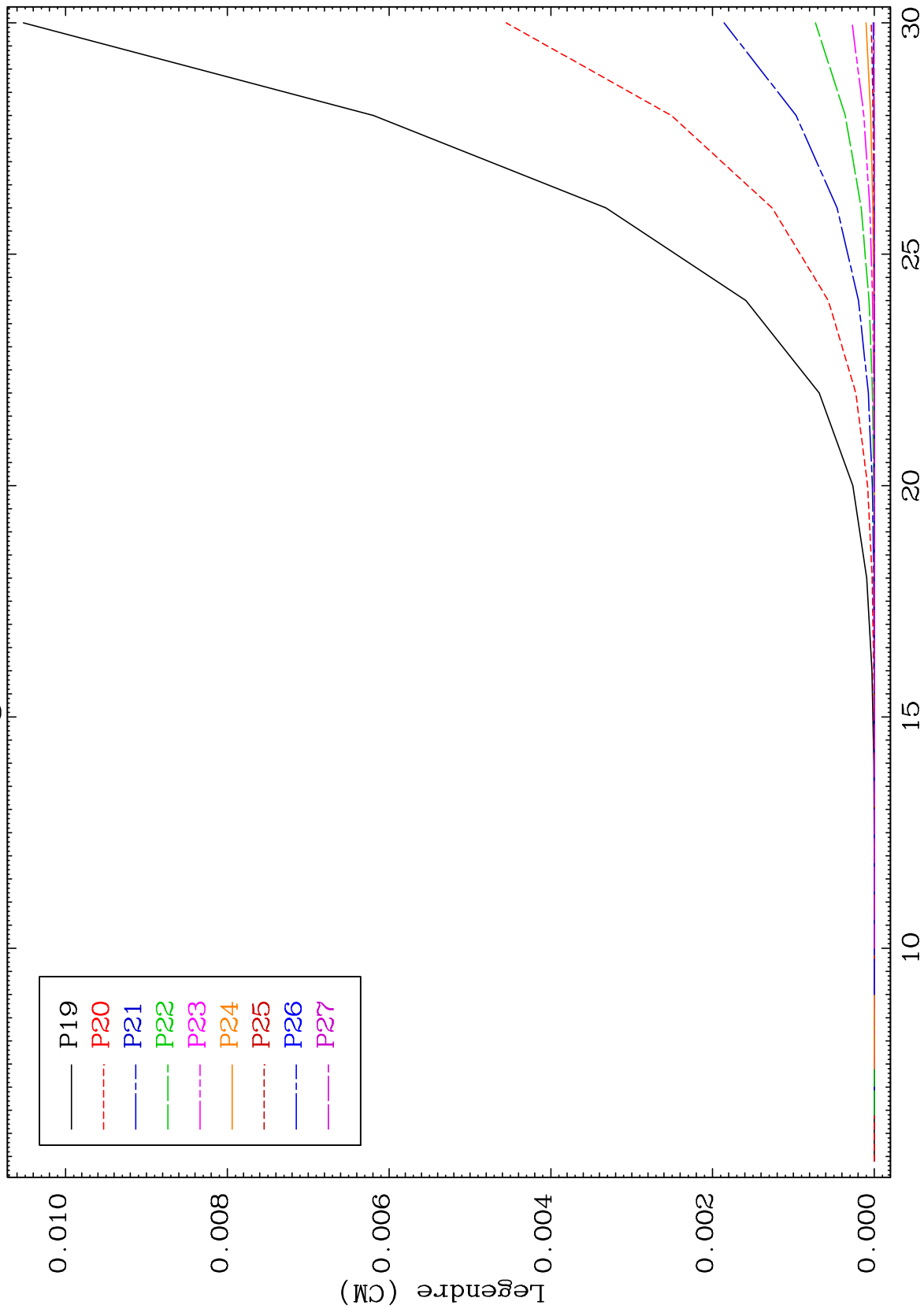
Incident Energy (MeV)

58-Ce-135

MAT 58222

Elastic Legendre Coefficients

58-Ce-135



17

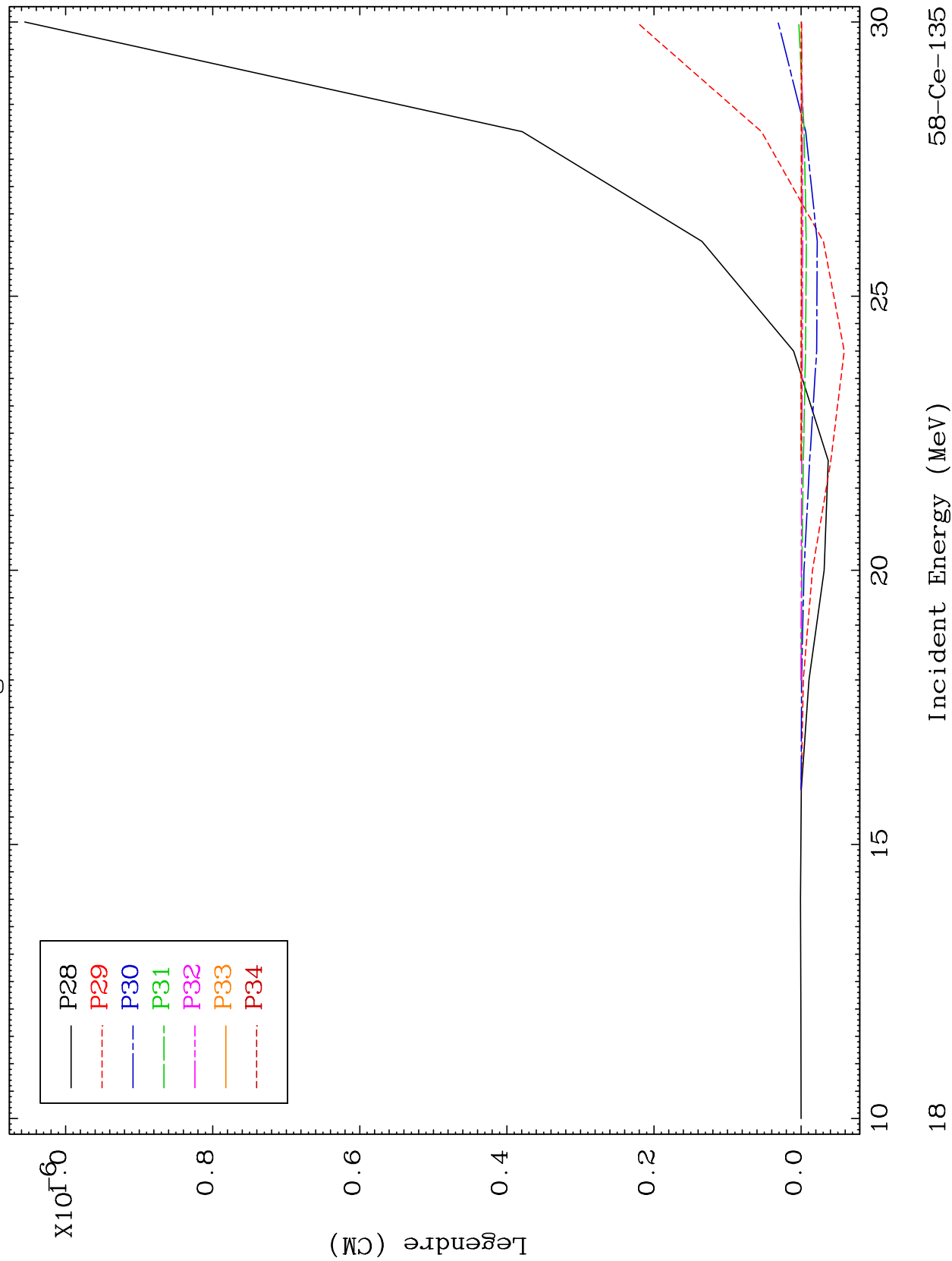
Incident Energy (MeV)

58-Ce-135

MAT 58222

Elastic Legendre Coefficients

58-Ce-135



58-Ce-135

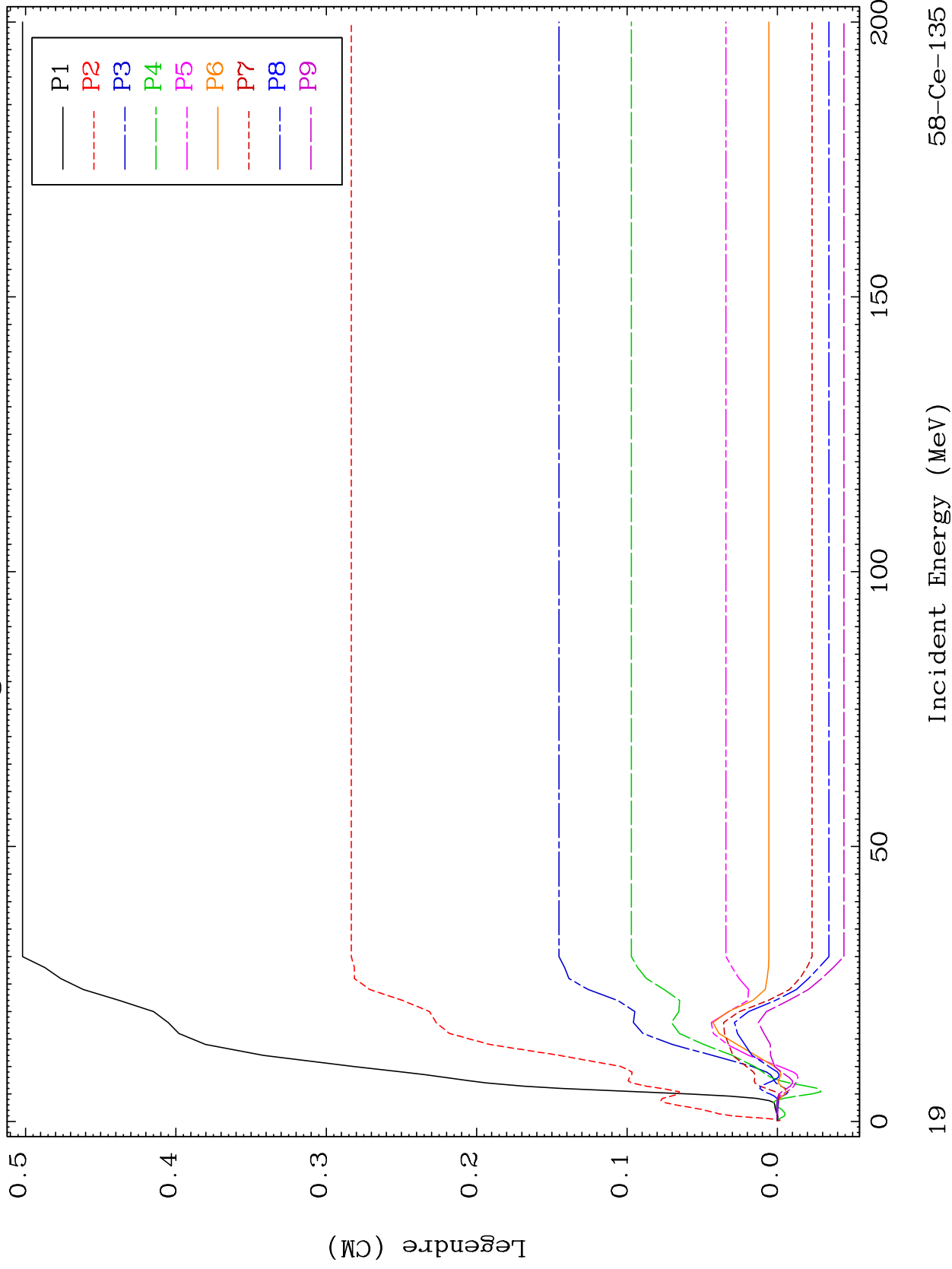
Incident Energy (MeV)

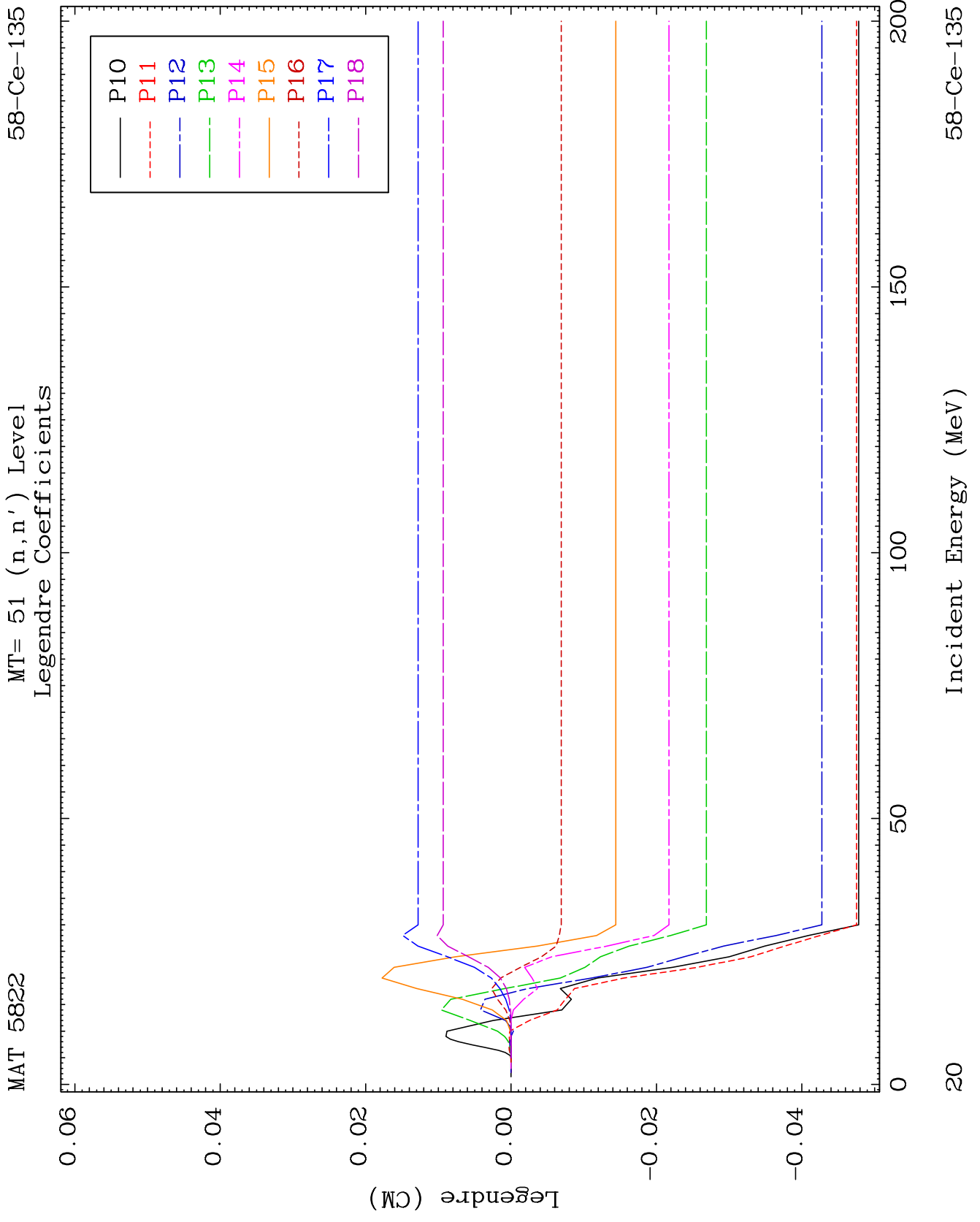
18

MAT 58222

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

58-Ce-135

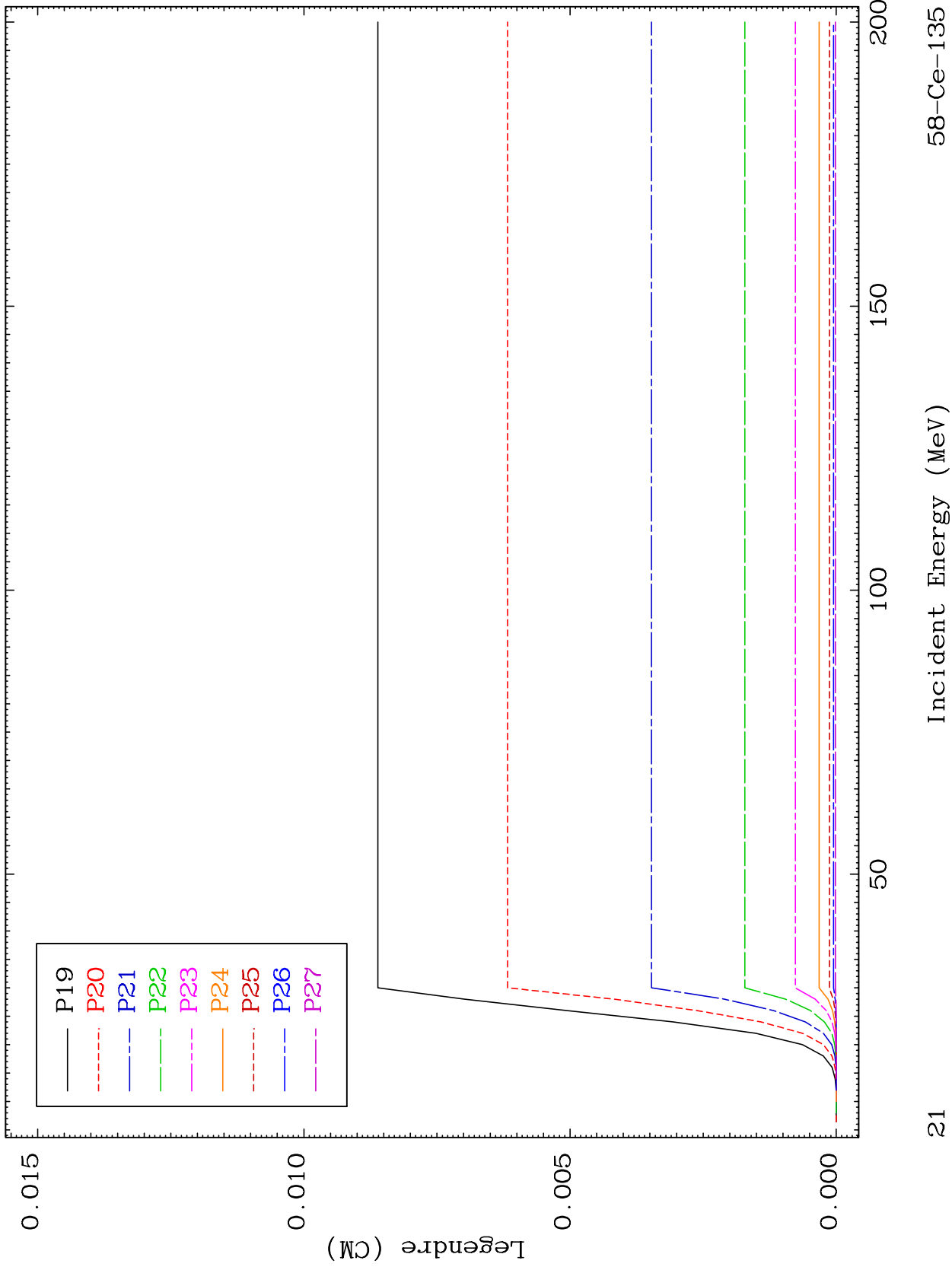




MAT 58222

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

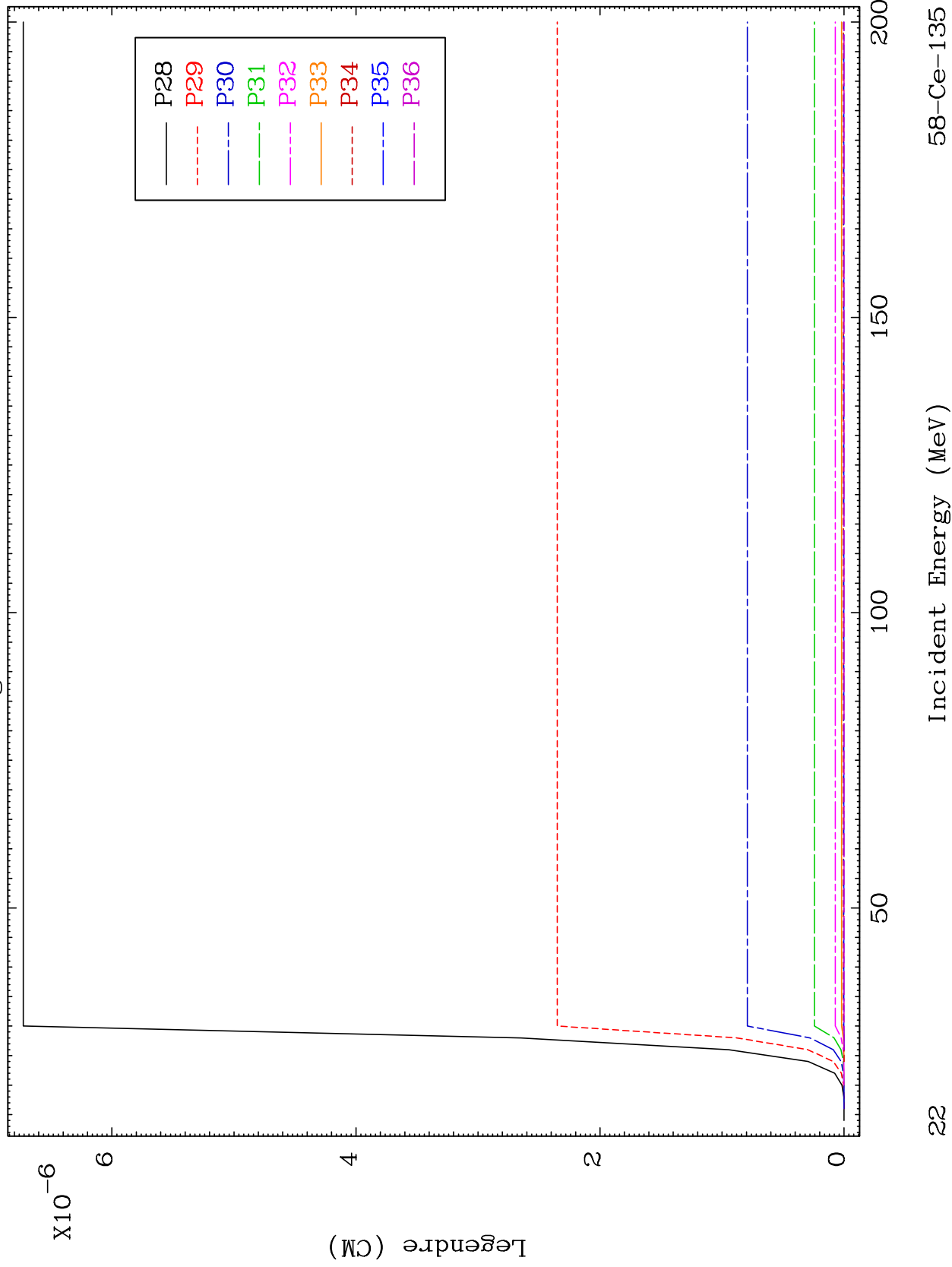
58-Ce-135



MAT 58222

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

58-Ce-135



22

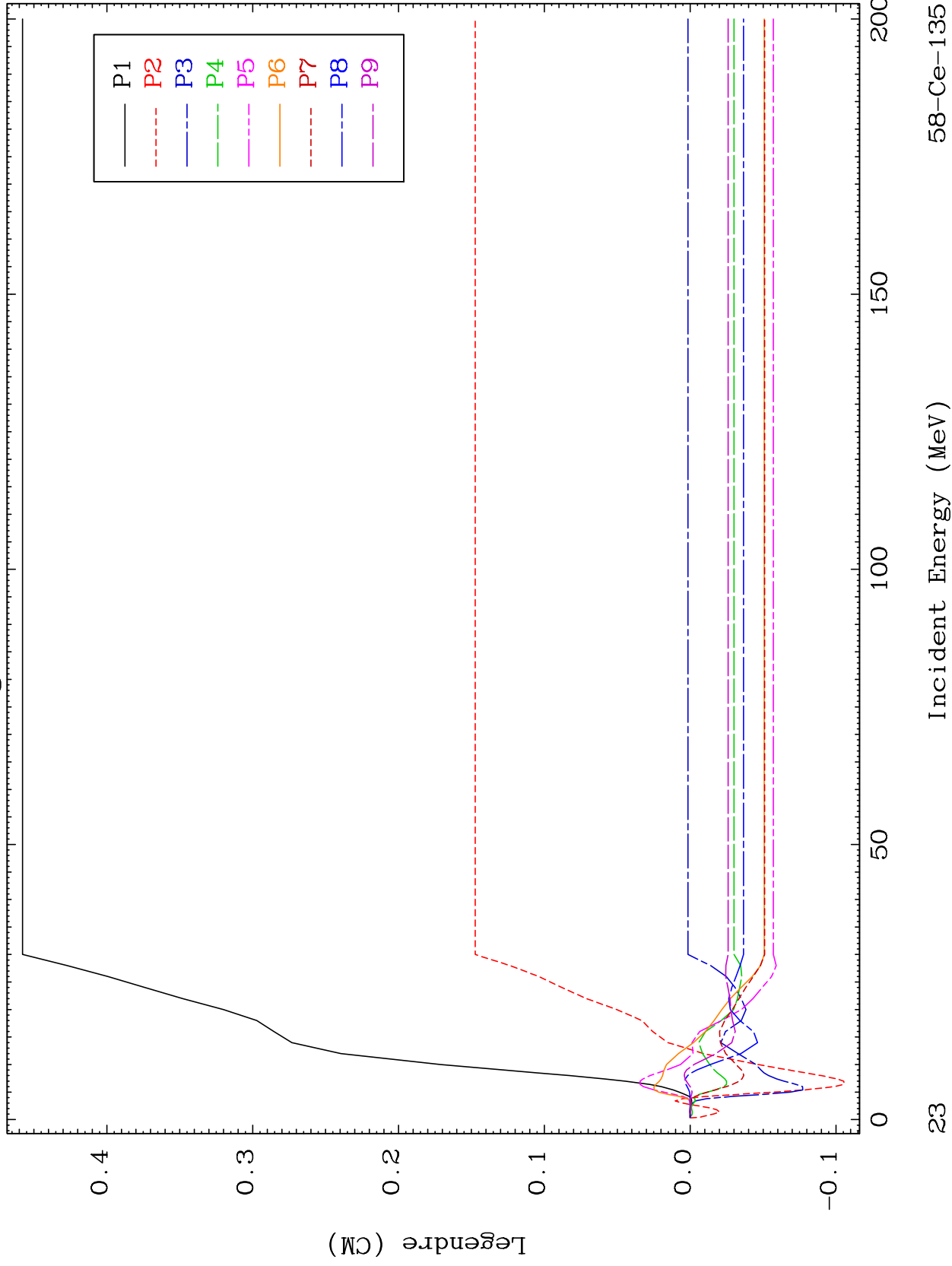
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



58-Ce-135

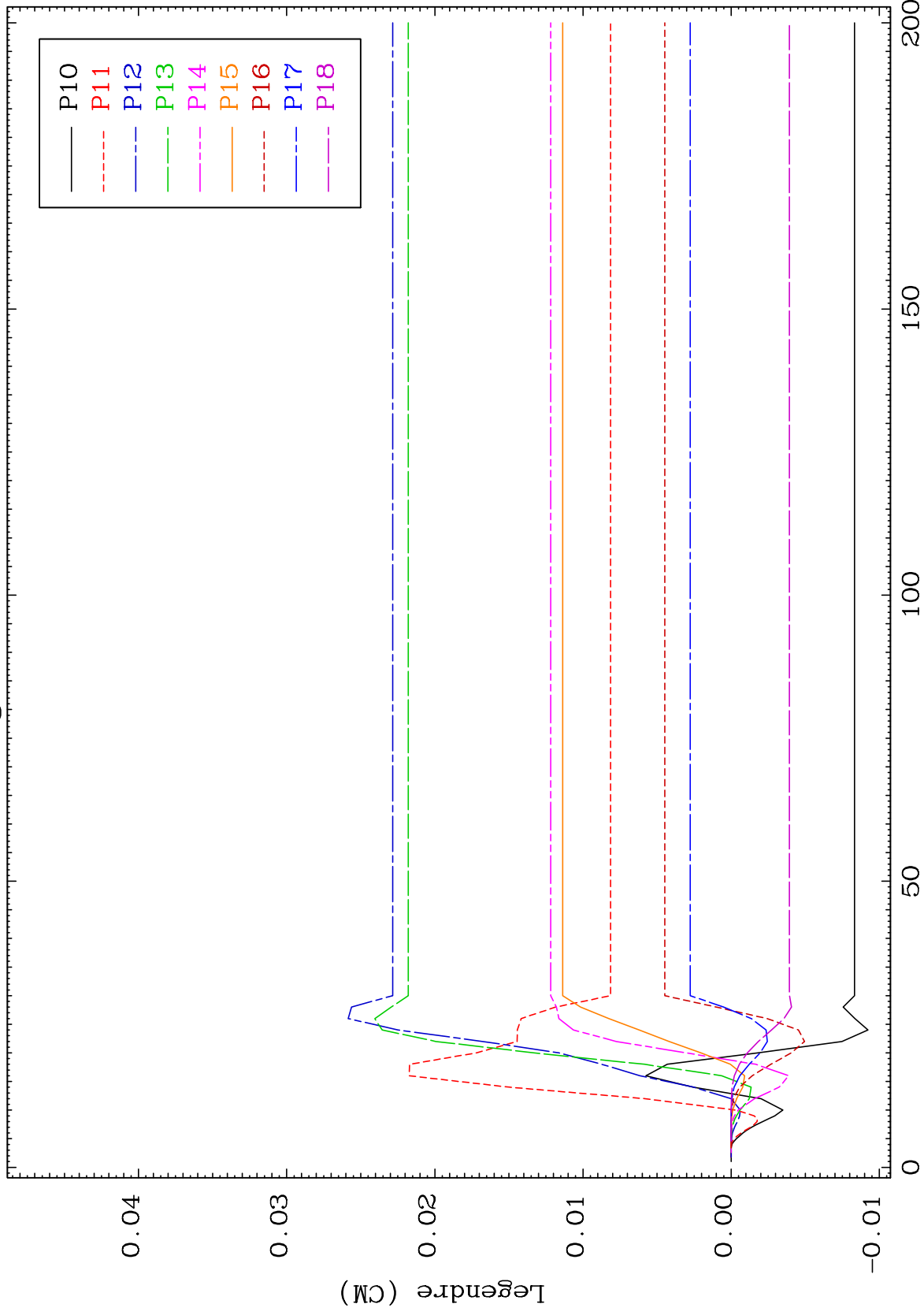
Incident Energy (MeV)

23

MAT 5822

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

58-Ce-135



24

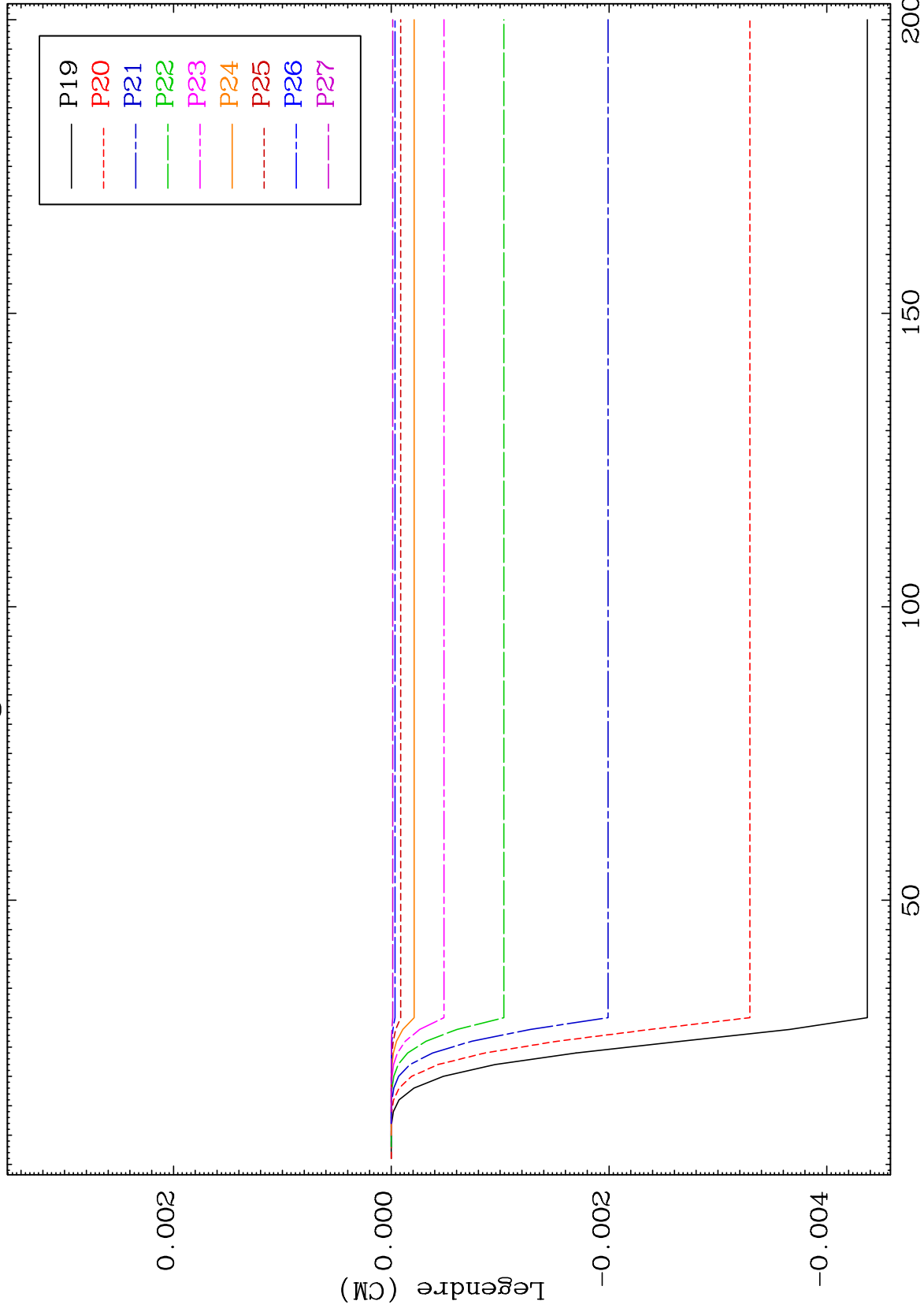
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

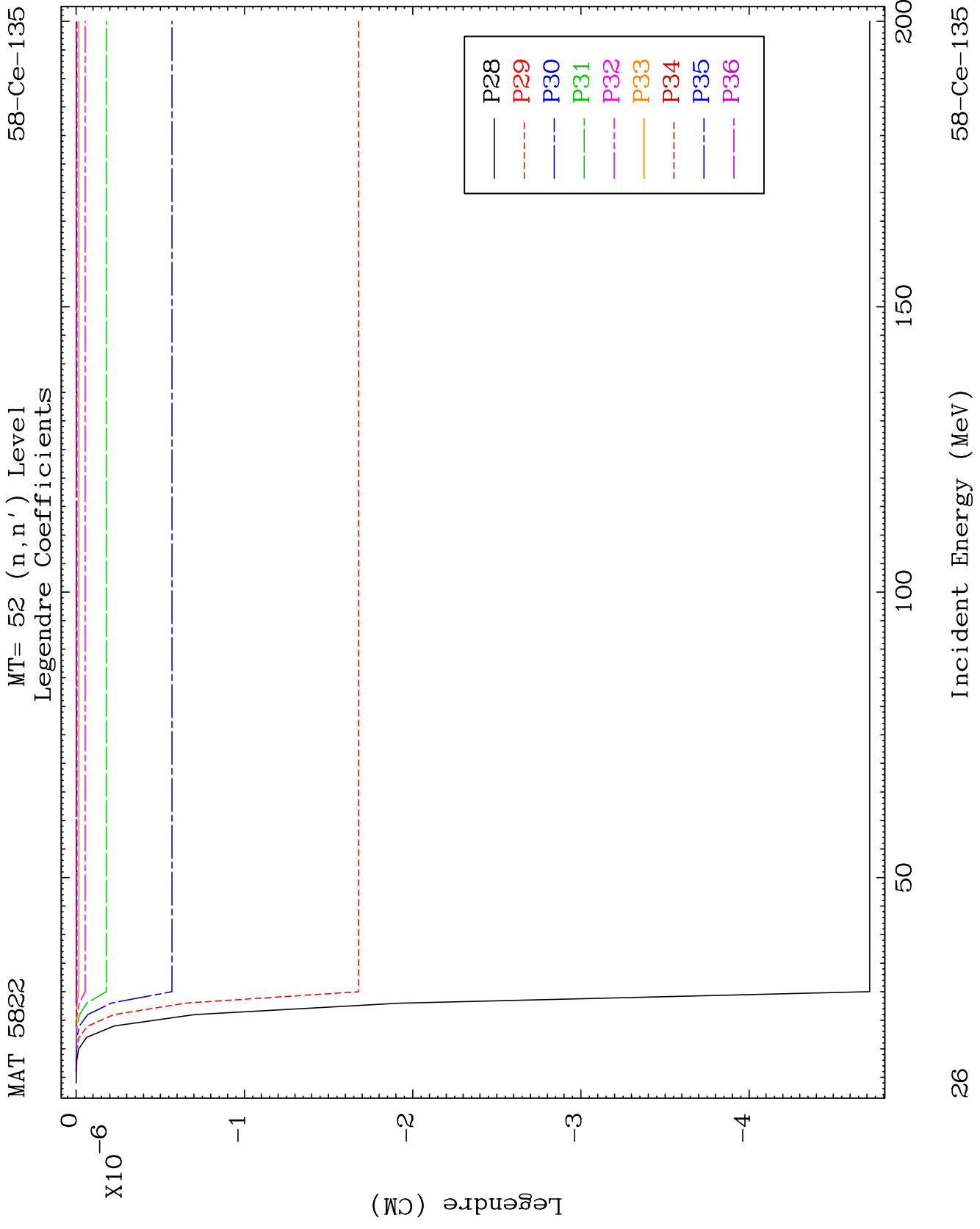
58-Ce-135



25

Incident Energy (MeV)

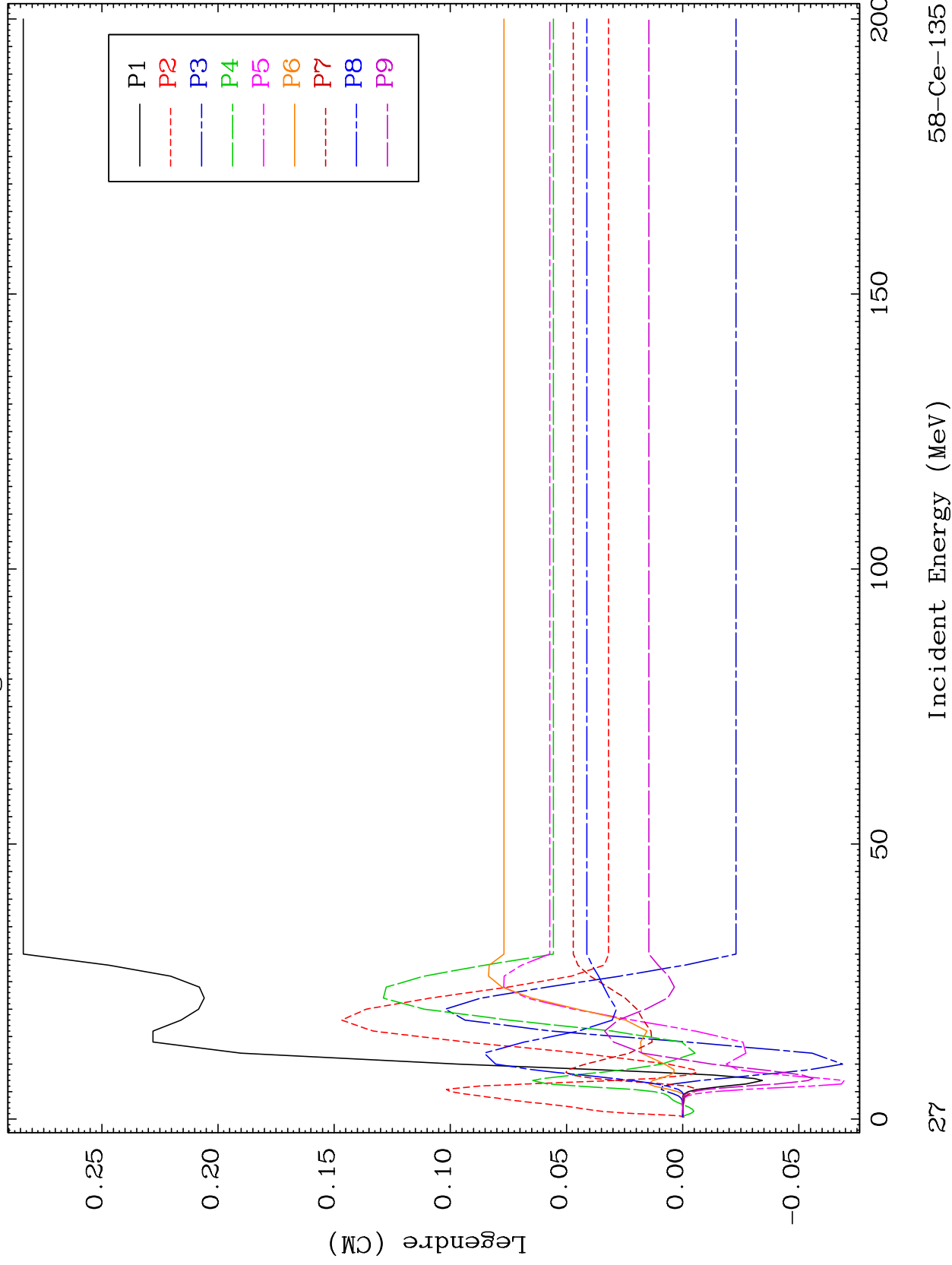
58-Ce-135



MAT 58222

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

58-Ce-135



58-Ce-135

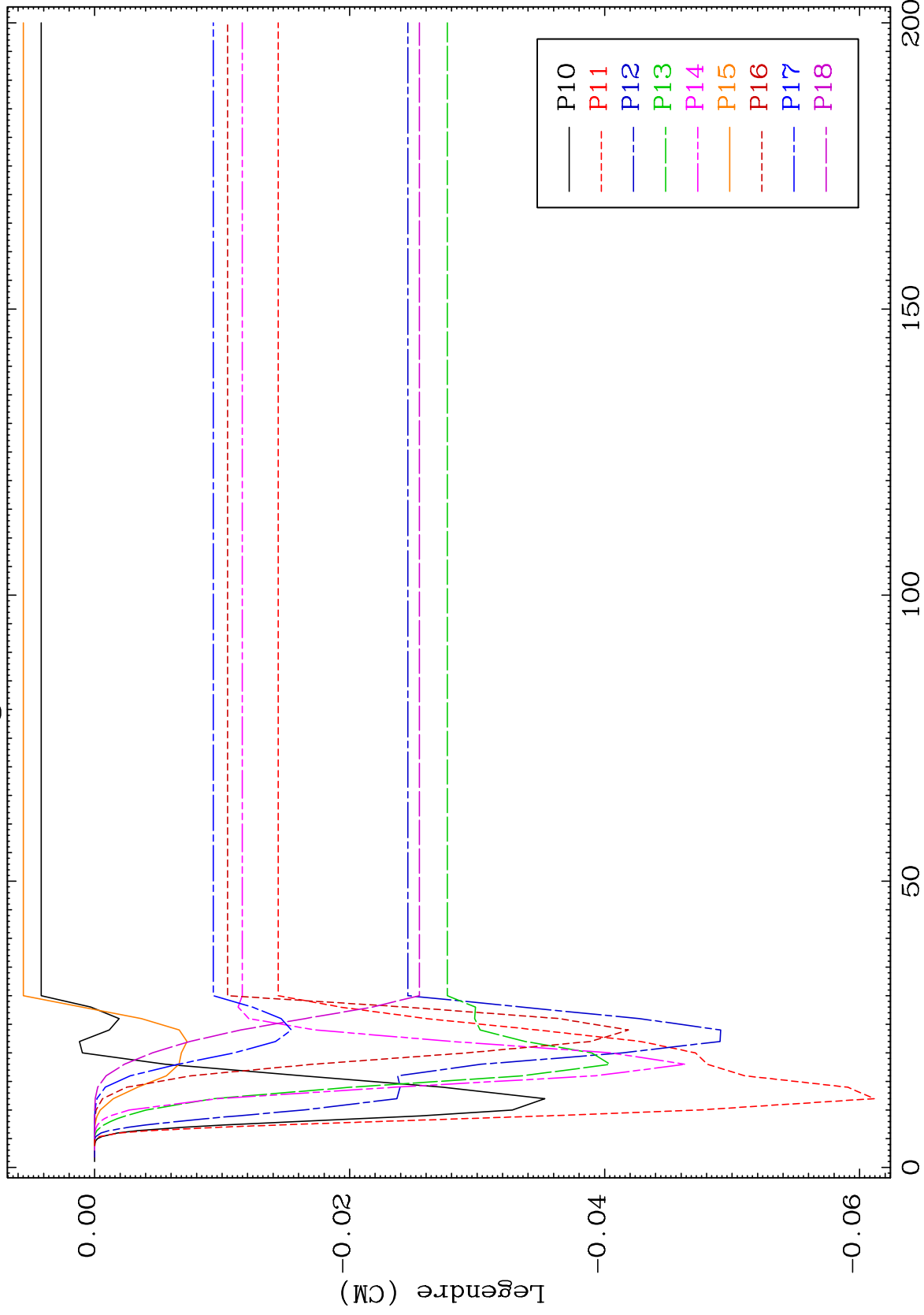
Incident Energy (MeV)

27

MAT 58222

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

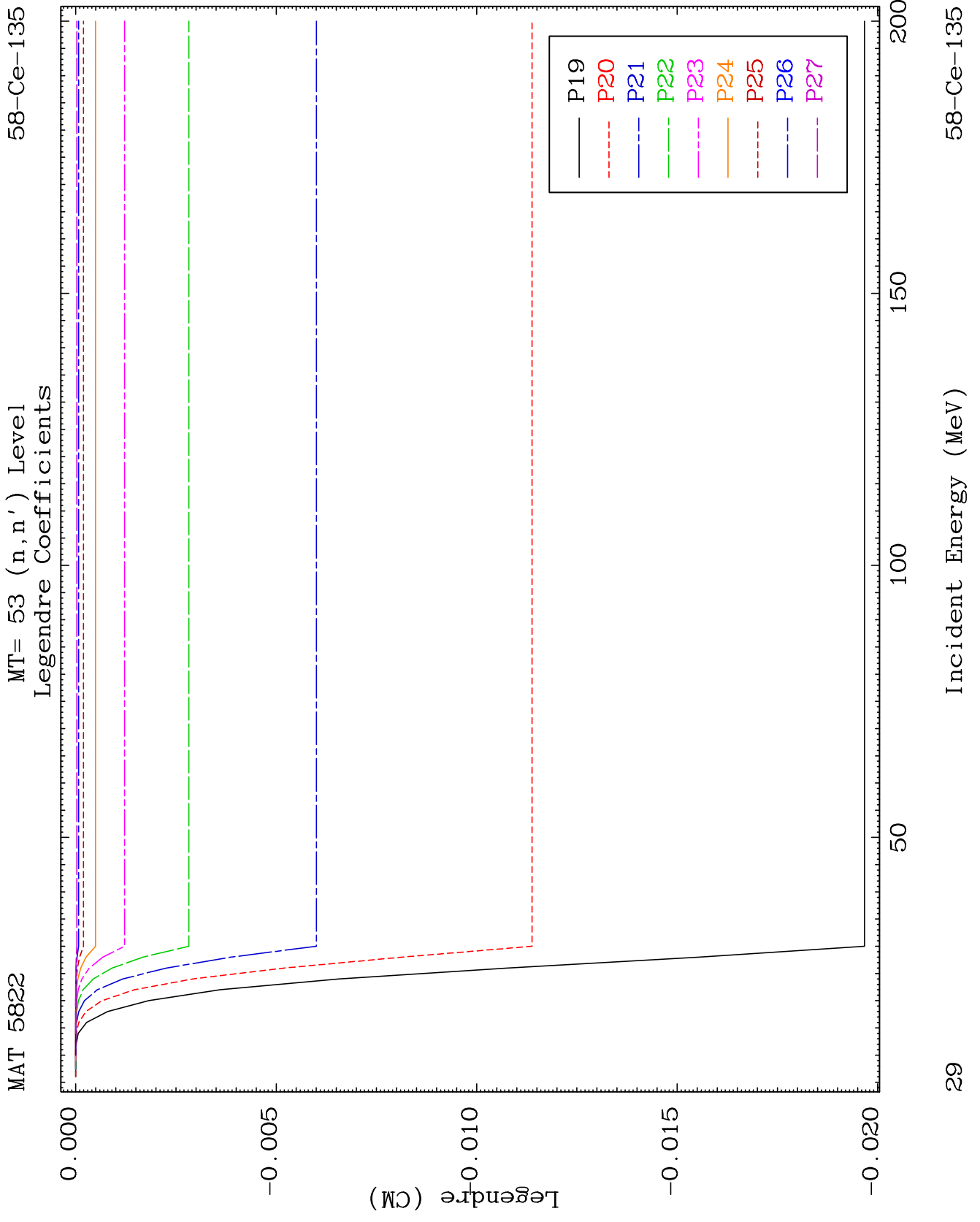
58-Ce-135

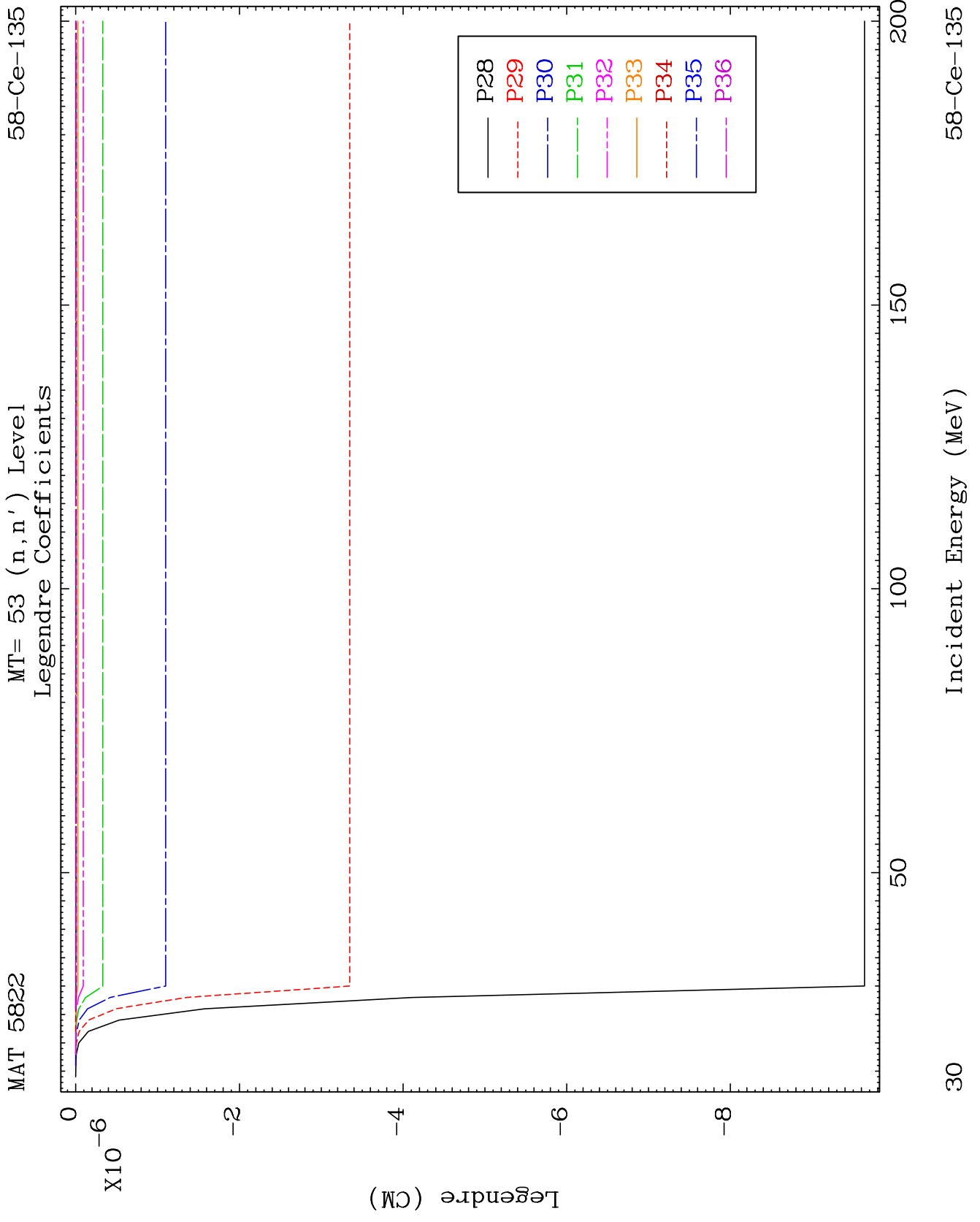


28

Incident Energy (MeV)

58-Ce-135

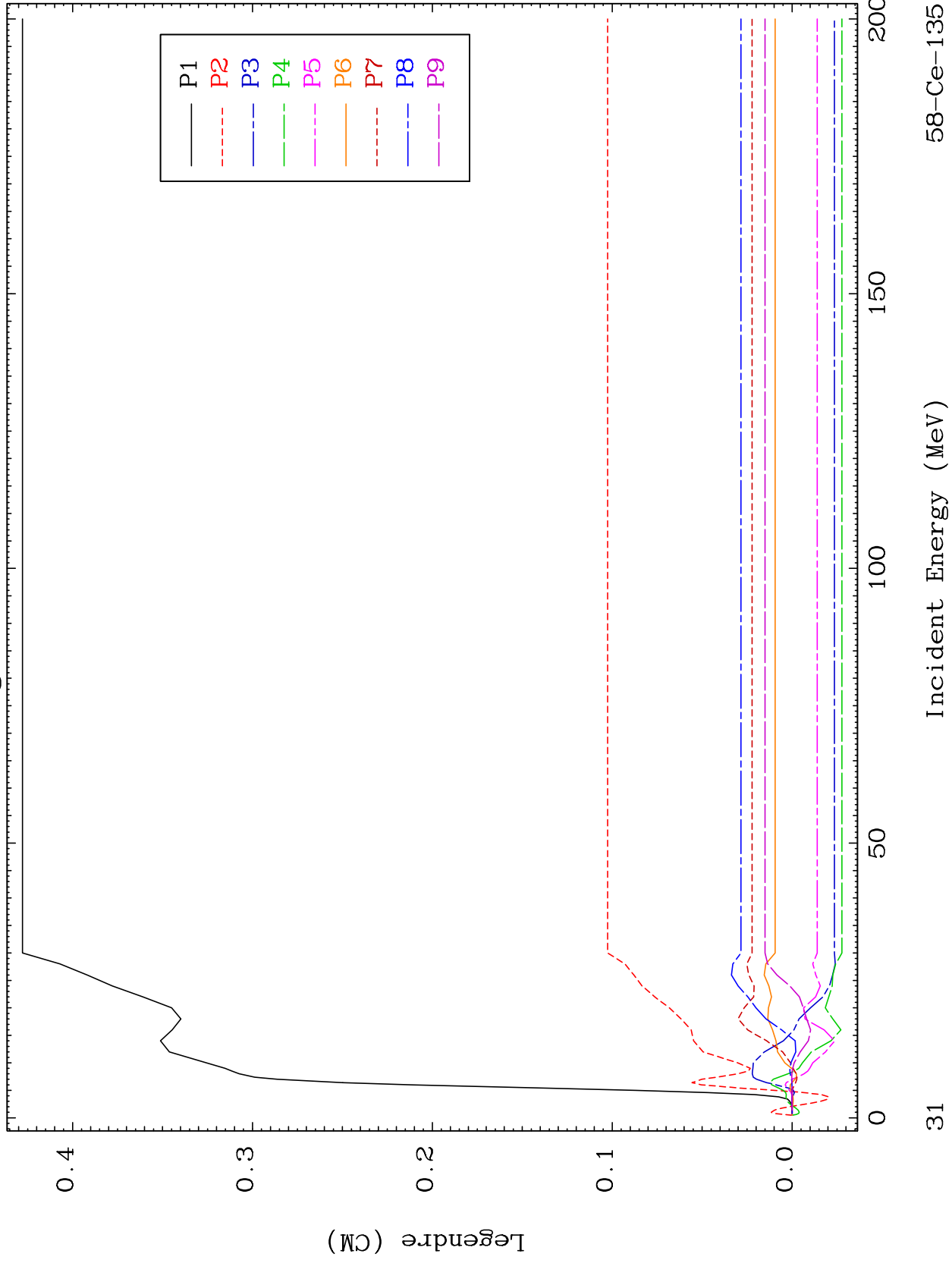




MAT 58222

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

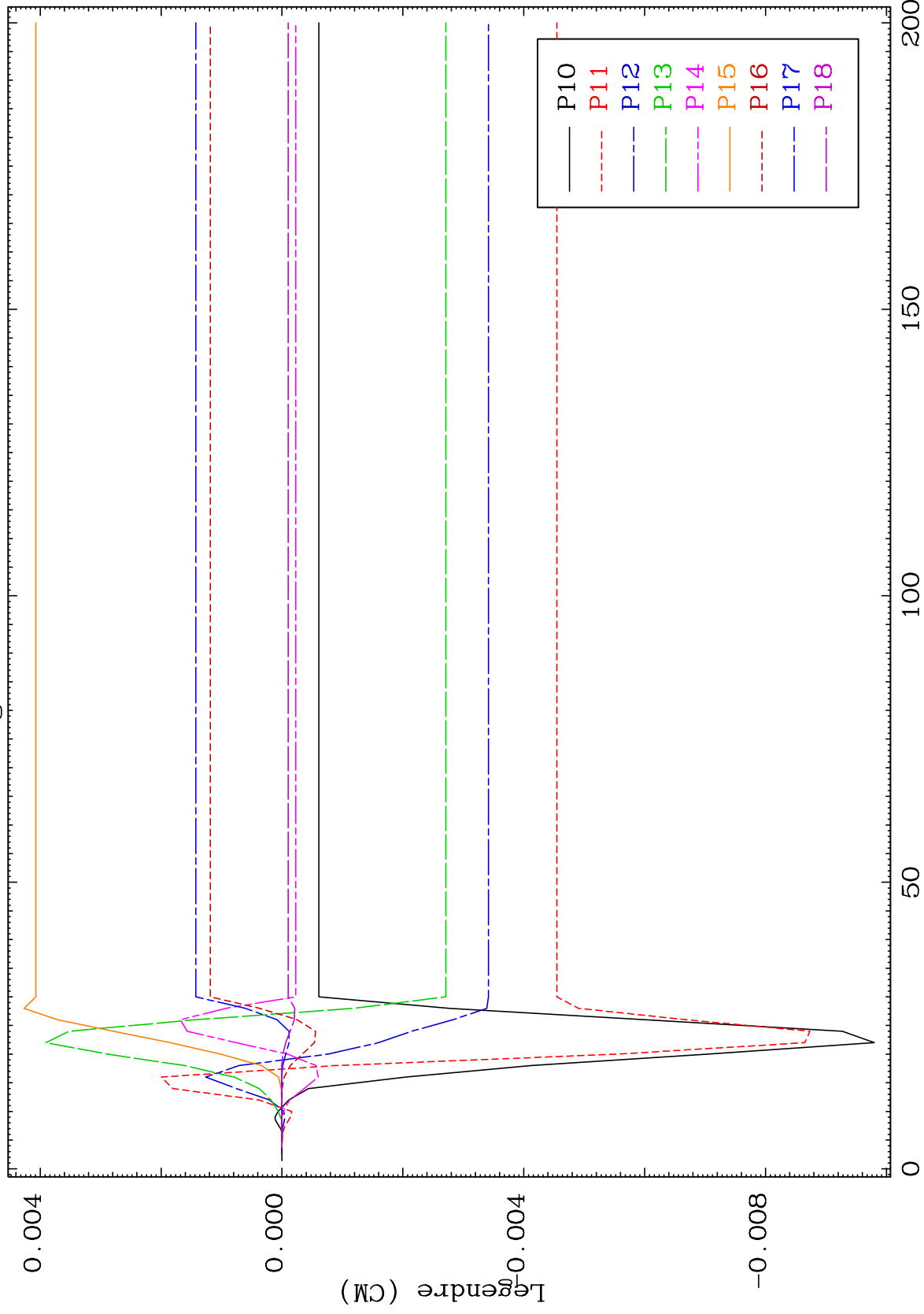
58-Ce-135



MAT 58222

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

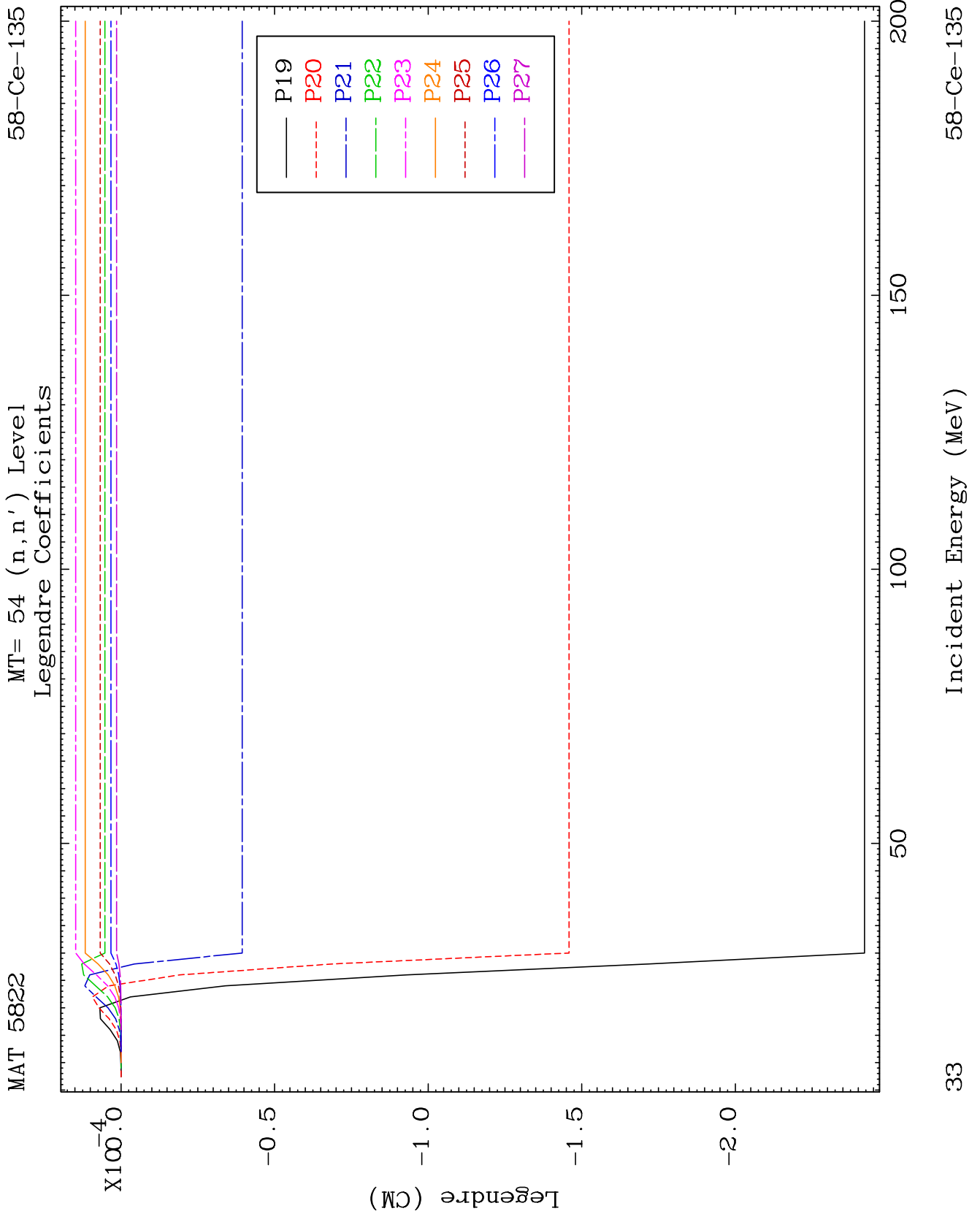
58-Ce-135



32

Incident Energy (MeV)

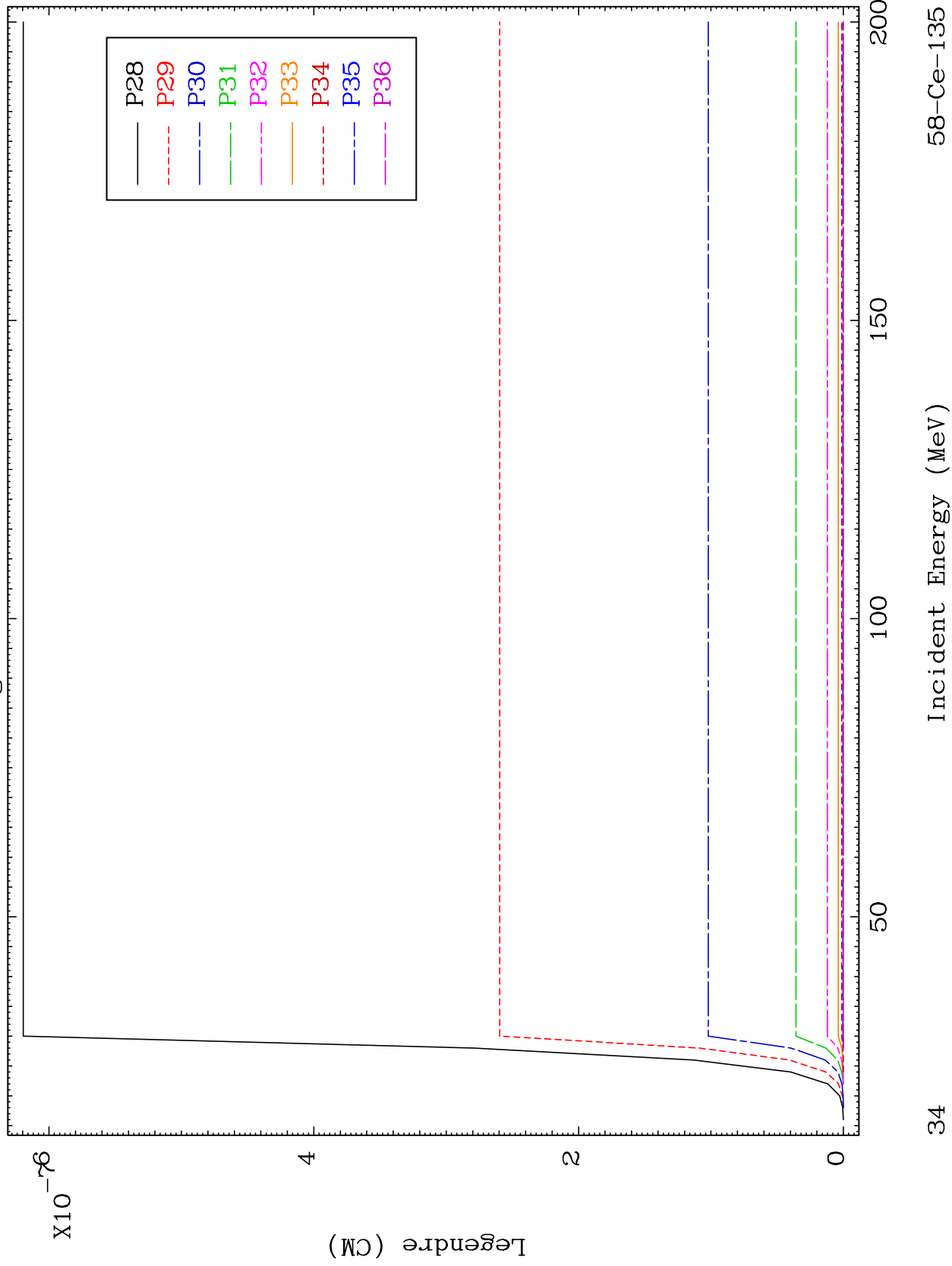
58-Ce-135



MAT 5822

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

58-Ce-135



34

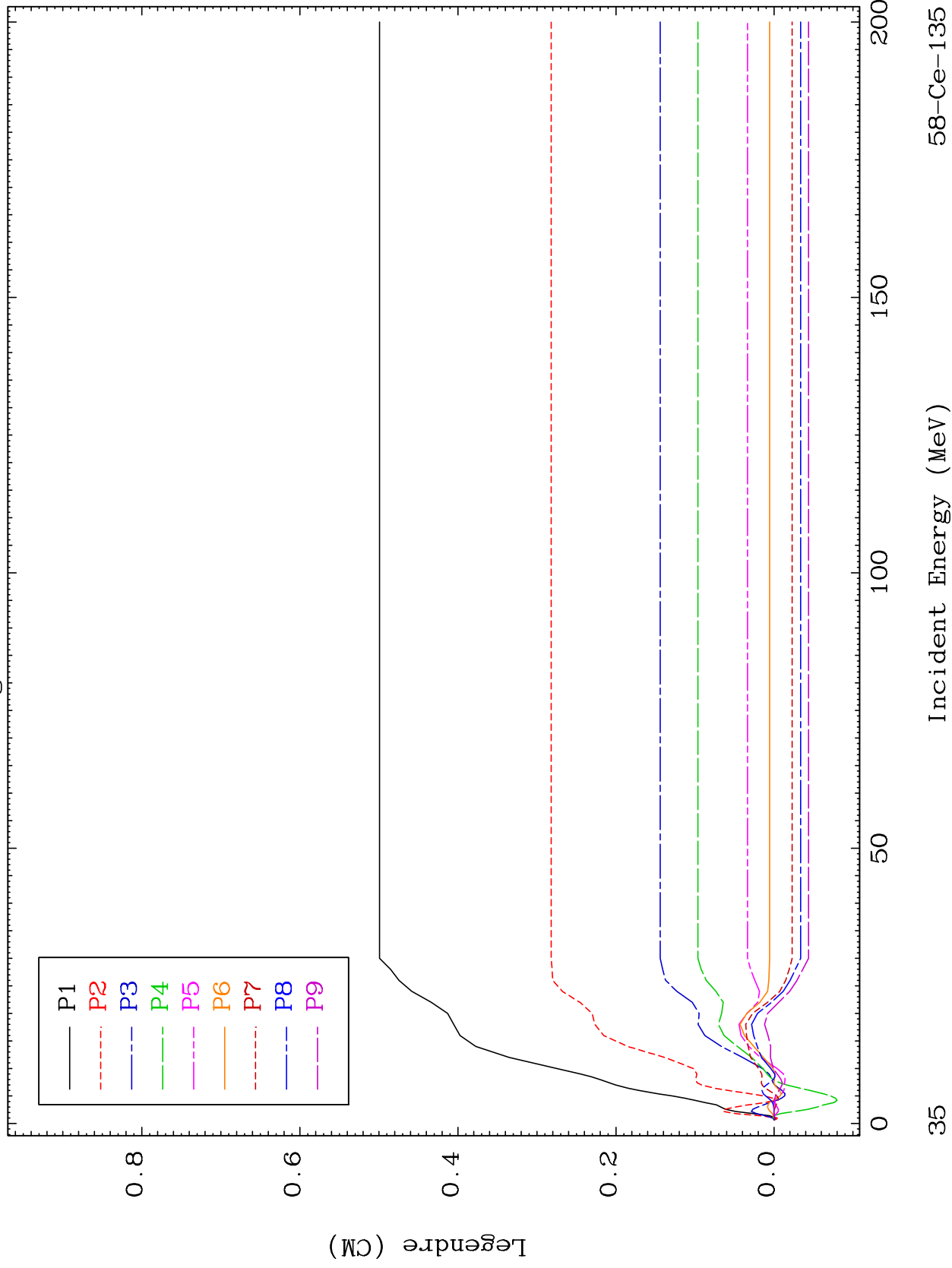
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

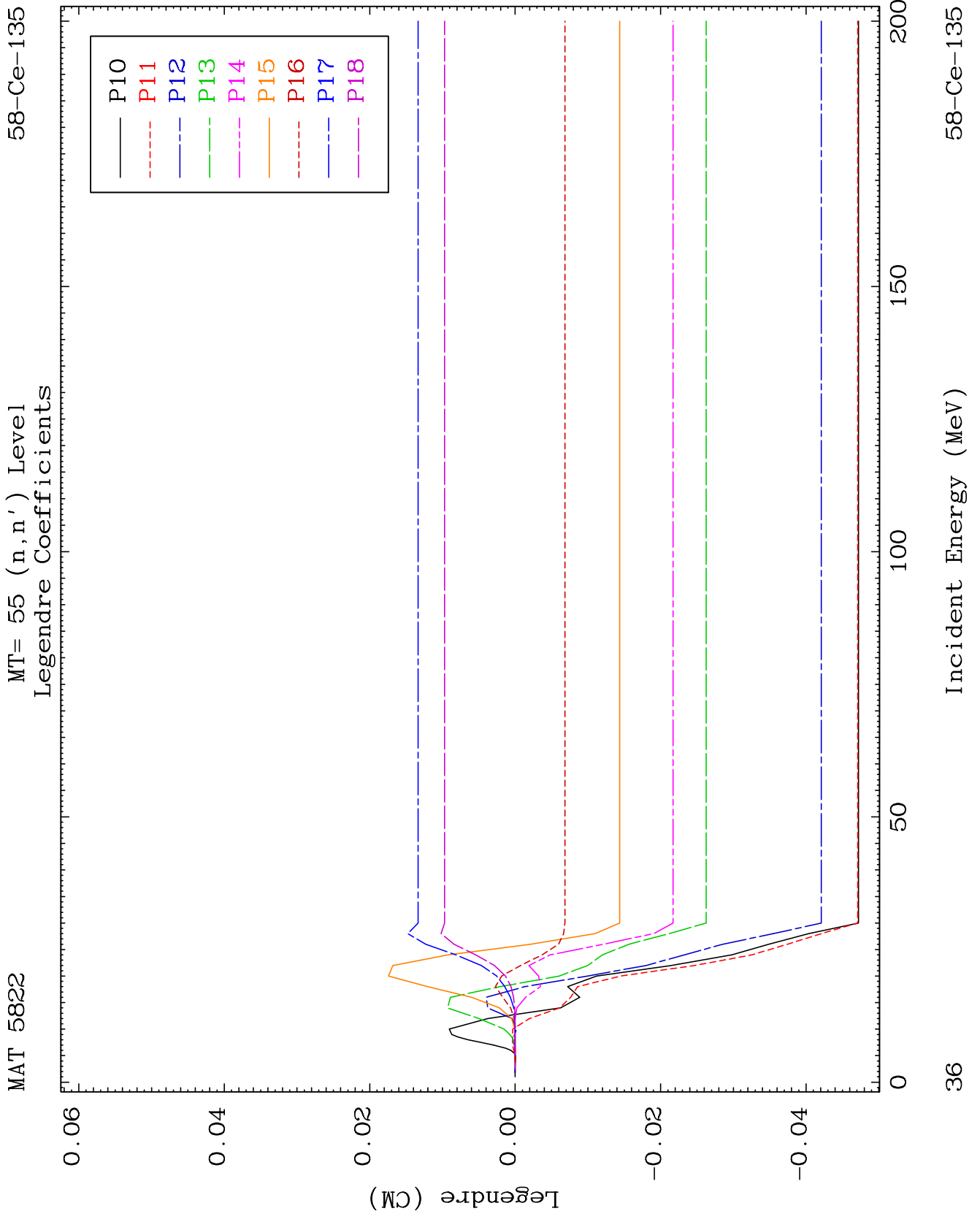
58-Ce-135



58-Ce-135

Incident Energy (MeV)

35



58-Ce-135

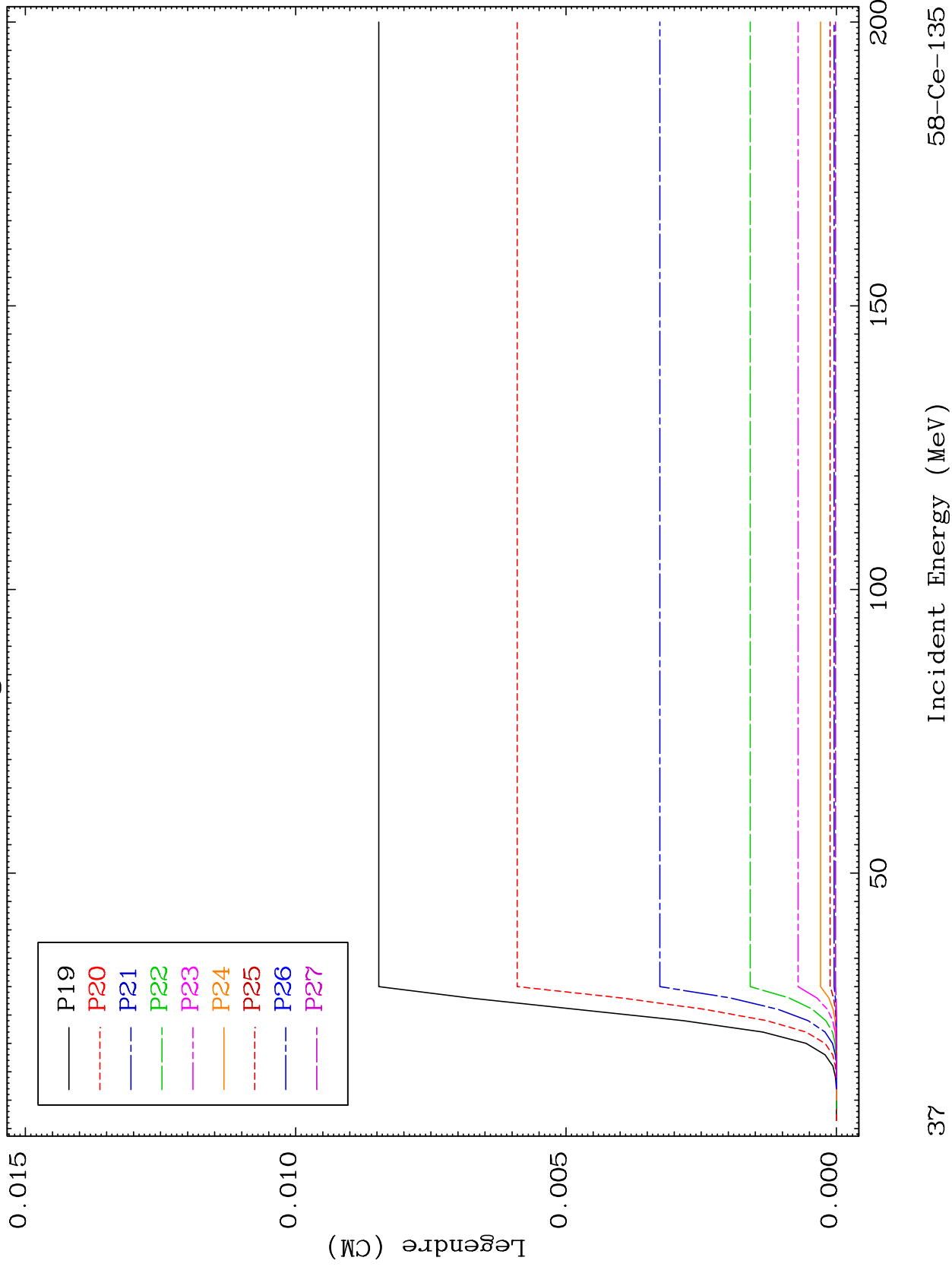
Incident Energy (MeV)

36

MAT 58222

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

58-Ce-135



37

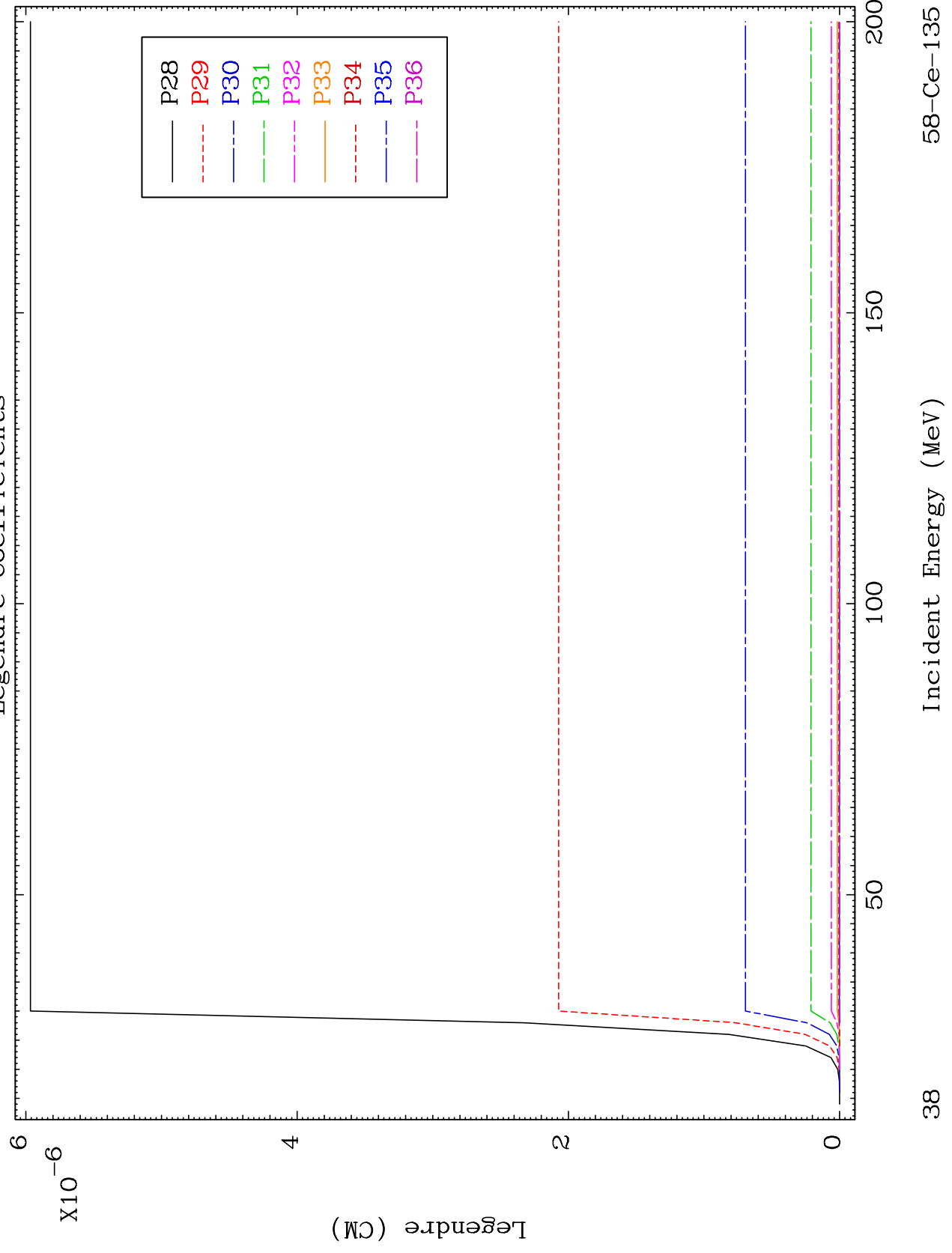
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

58-Ce-135

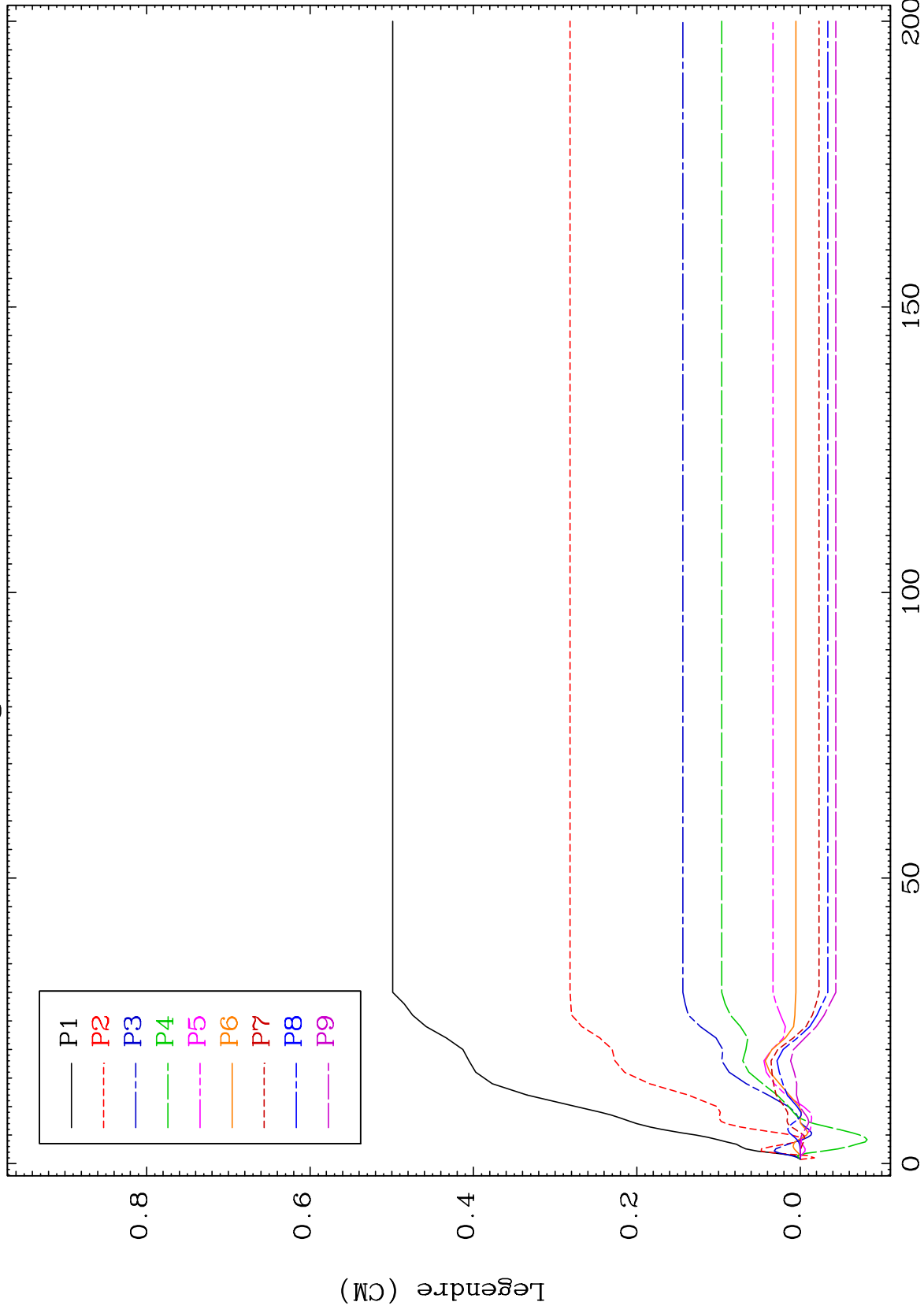


38

MAT 5822

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

58-Ce-135



39

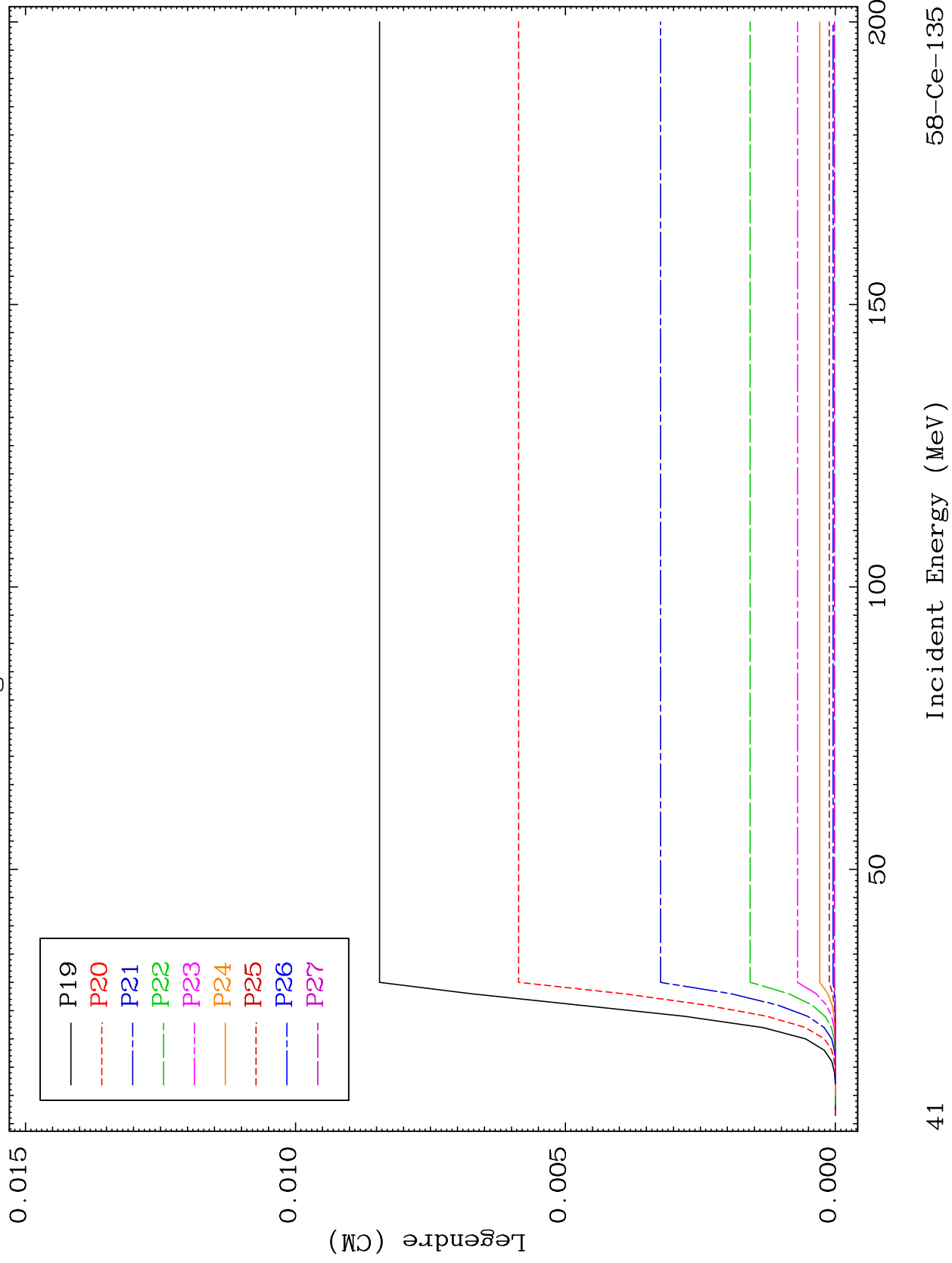
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

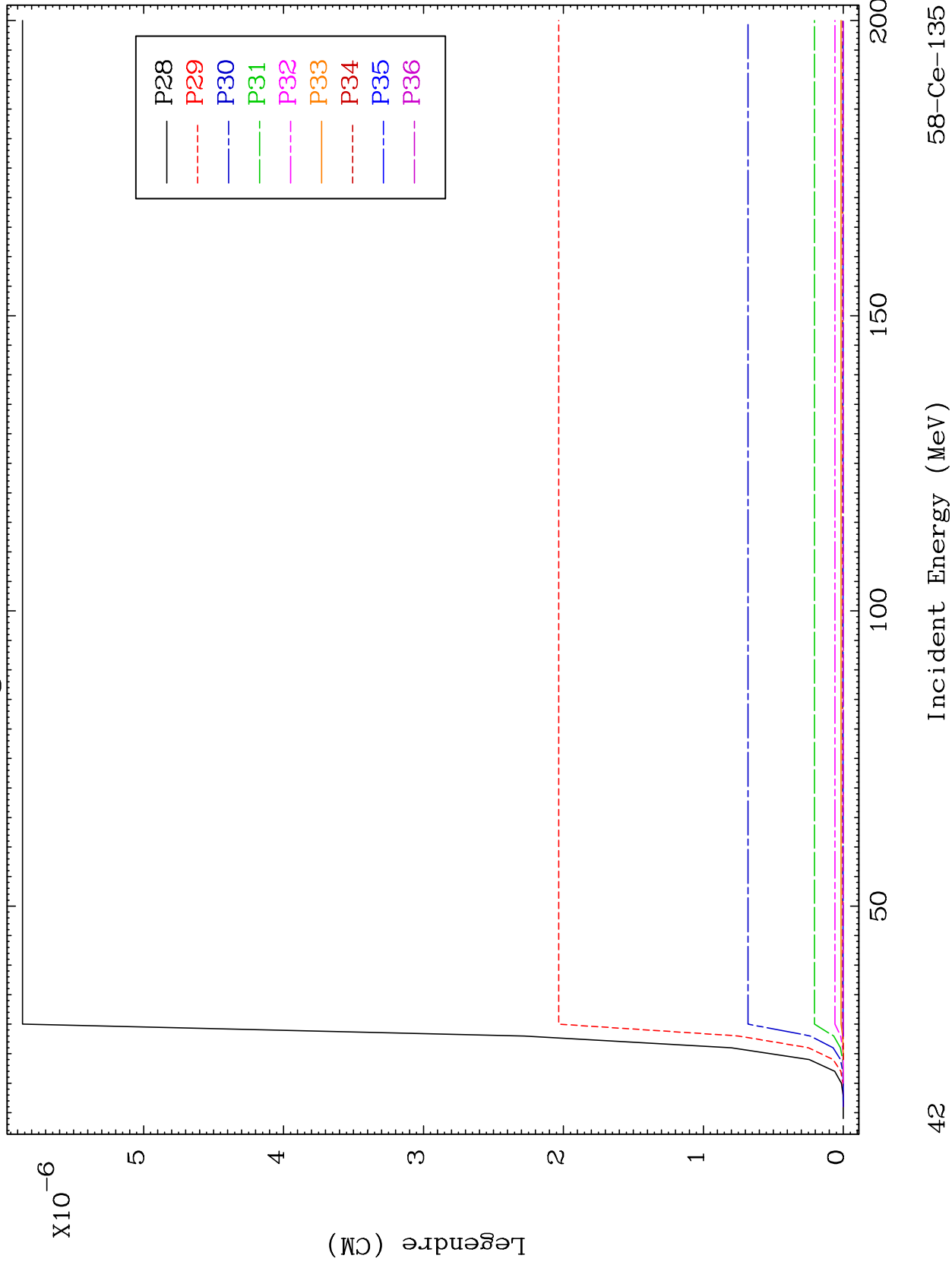
58-Ce-135



MAT 58222

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

58-Ce-135



42

Incident Energy (MeV)

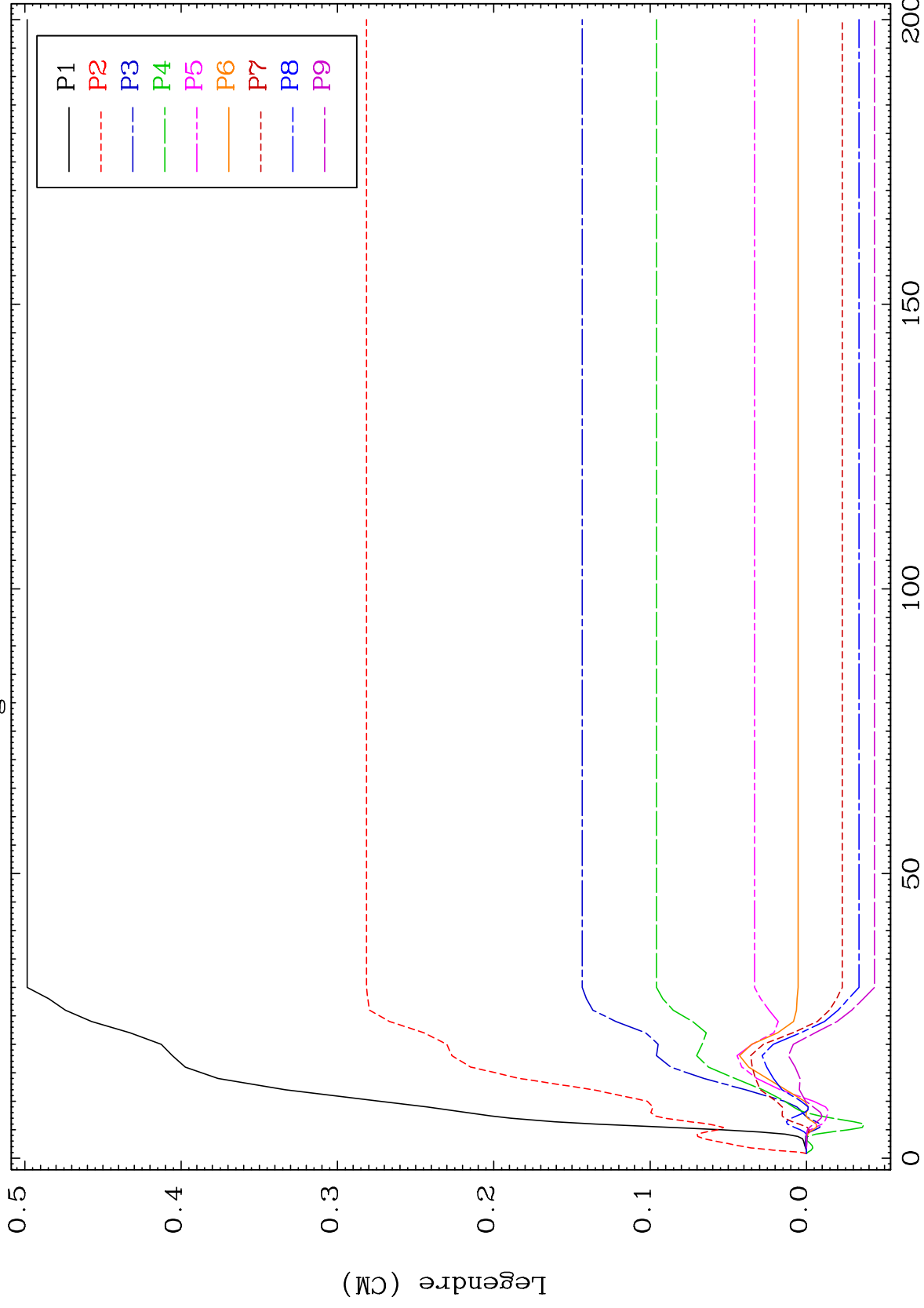
58-Ce-135

MAT 58222

MT= 57 (n,n') Level

58-Ce-135

Legendre Coefficients



43

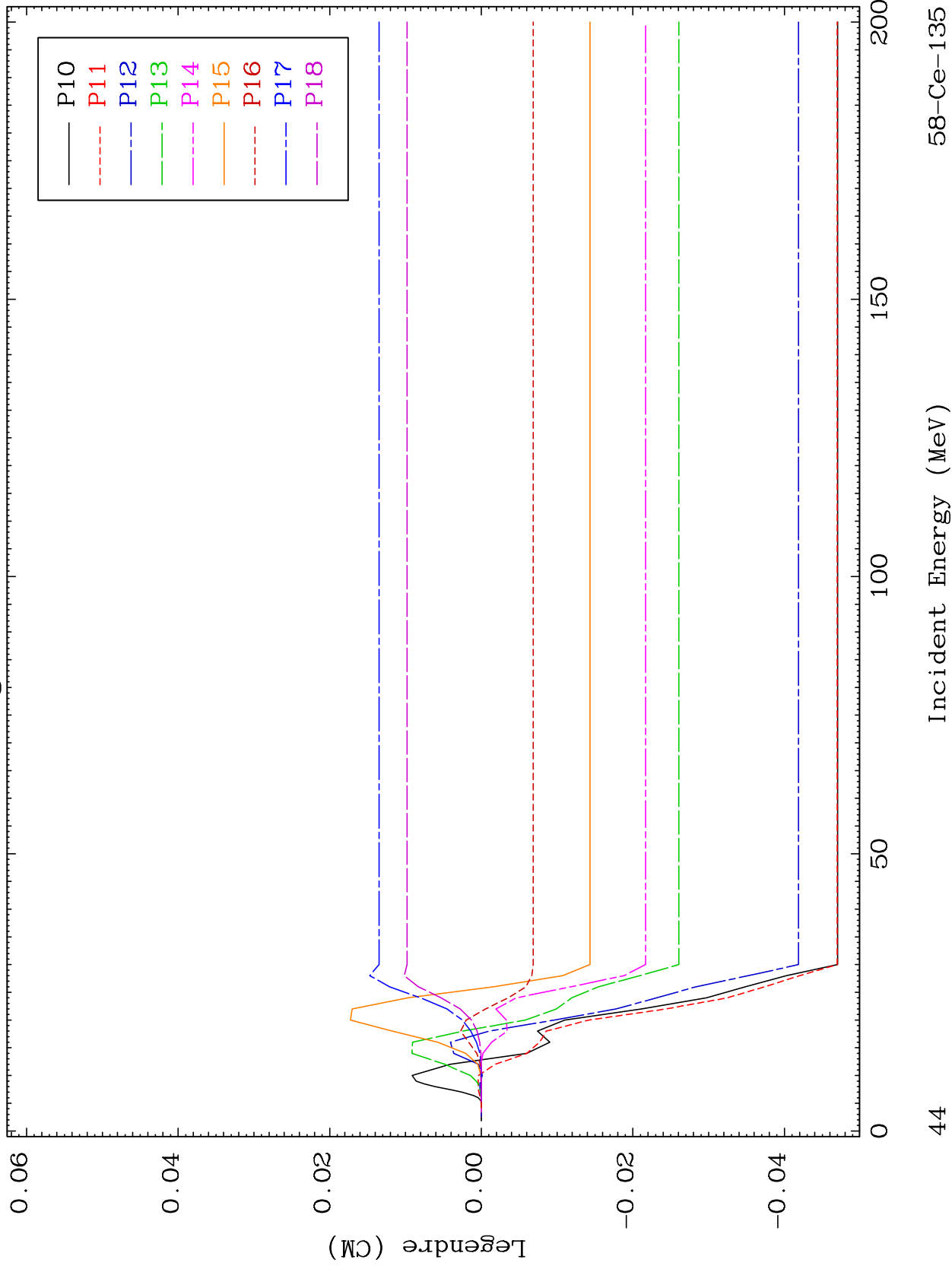
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

58-Ce-135



58-Ce-135

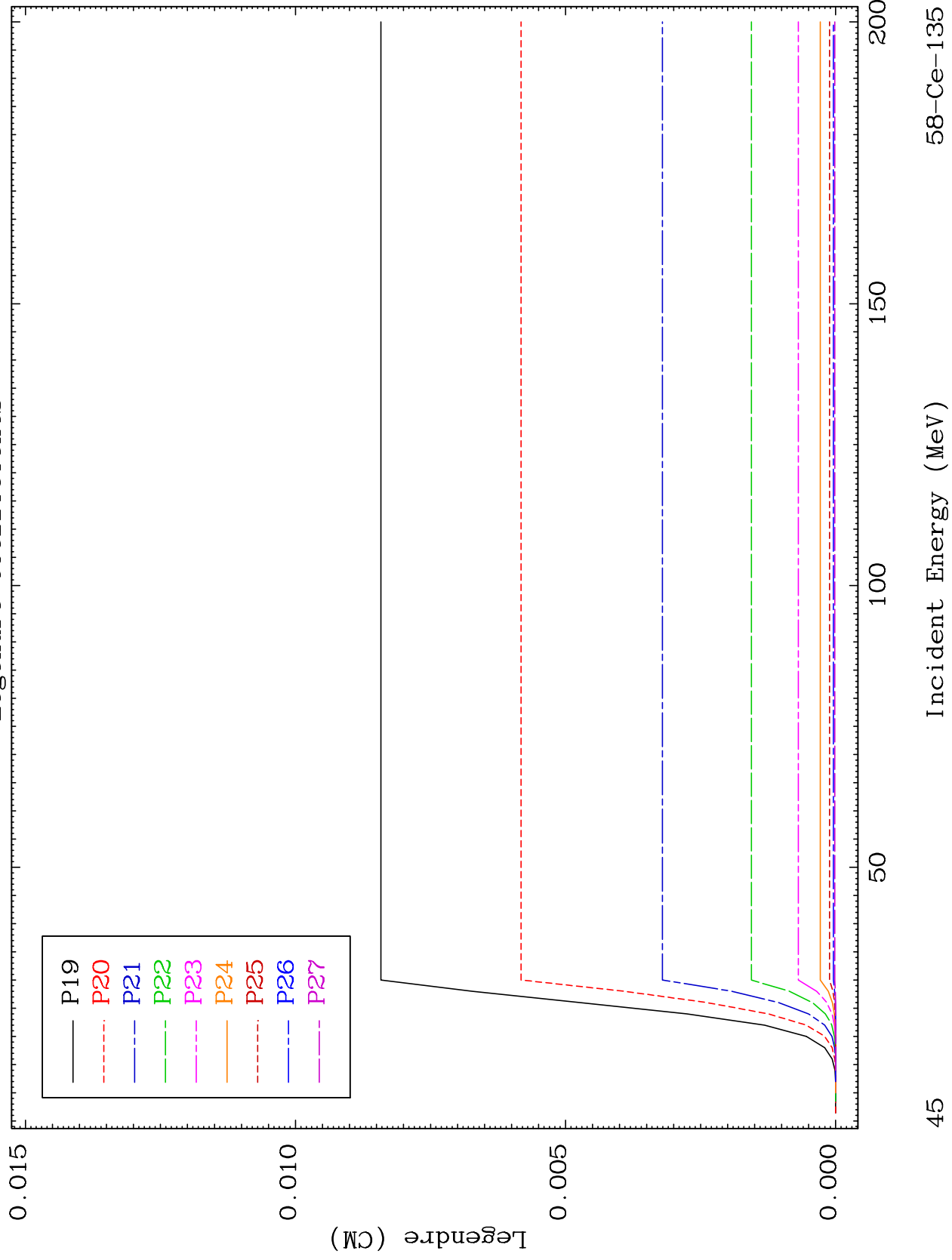
Incident Energy (MeV)

44

MAT 58222

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

58-Ce-135



45

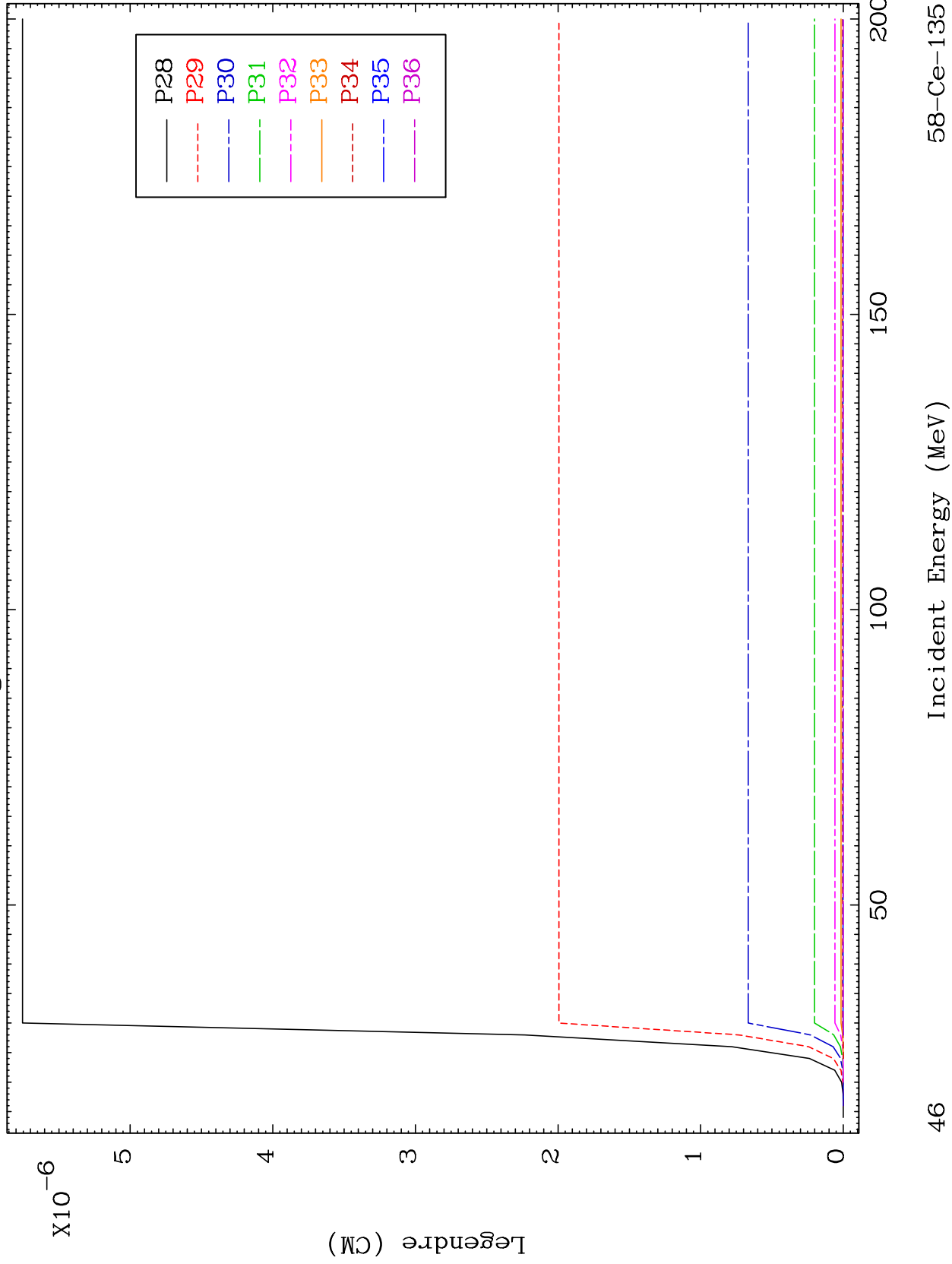
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

58-Ce-135



46

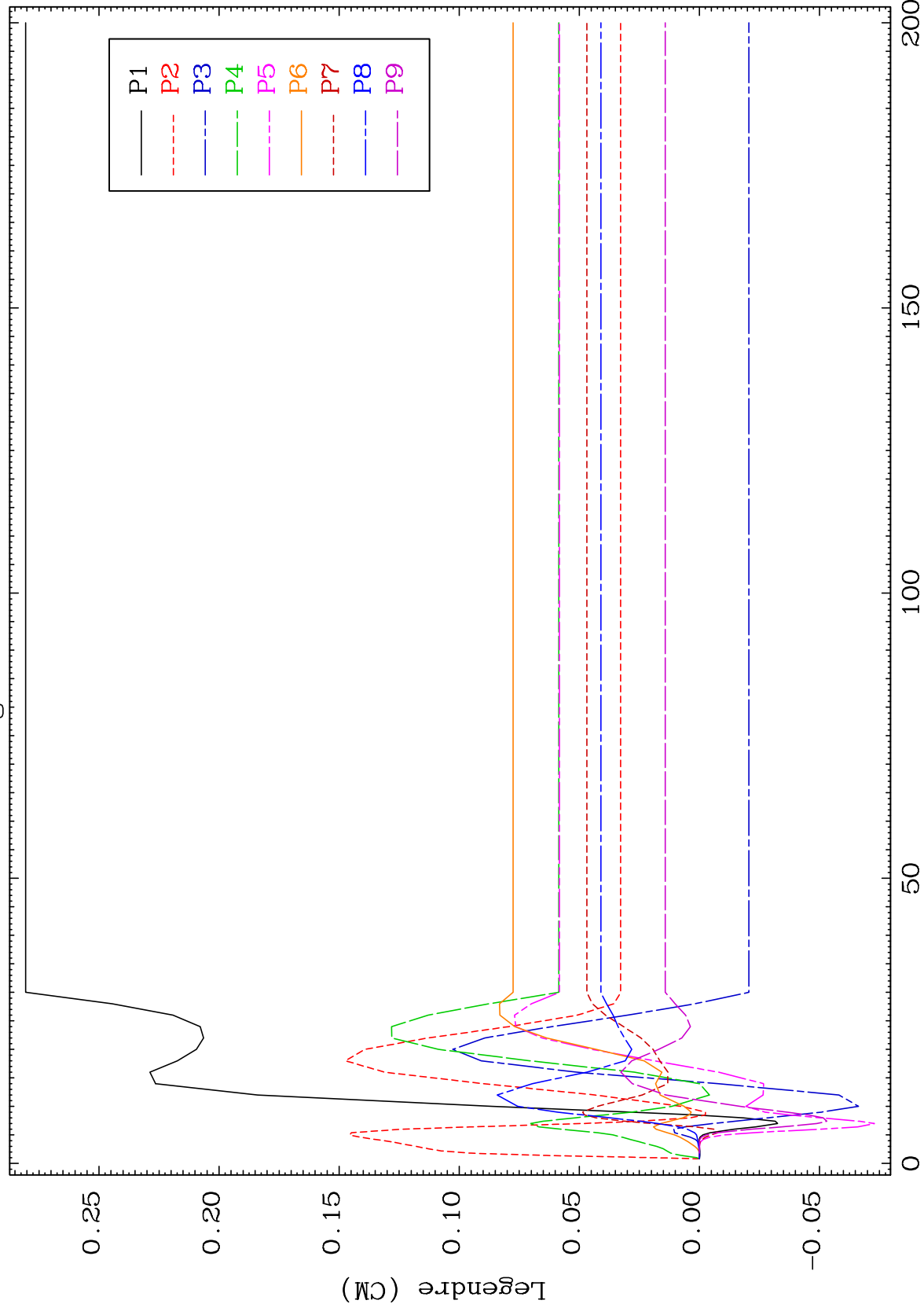
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

58-Ce-135



47

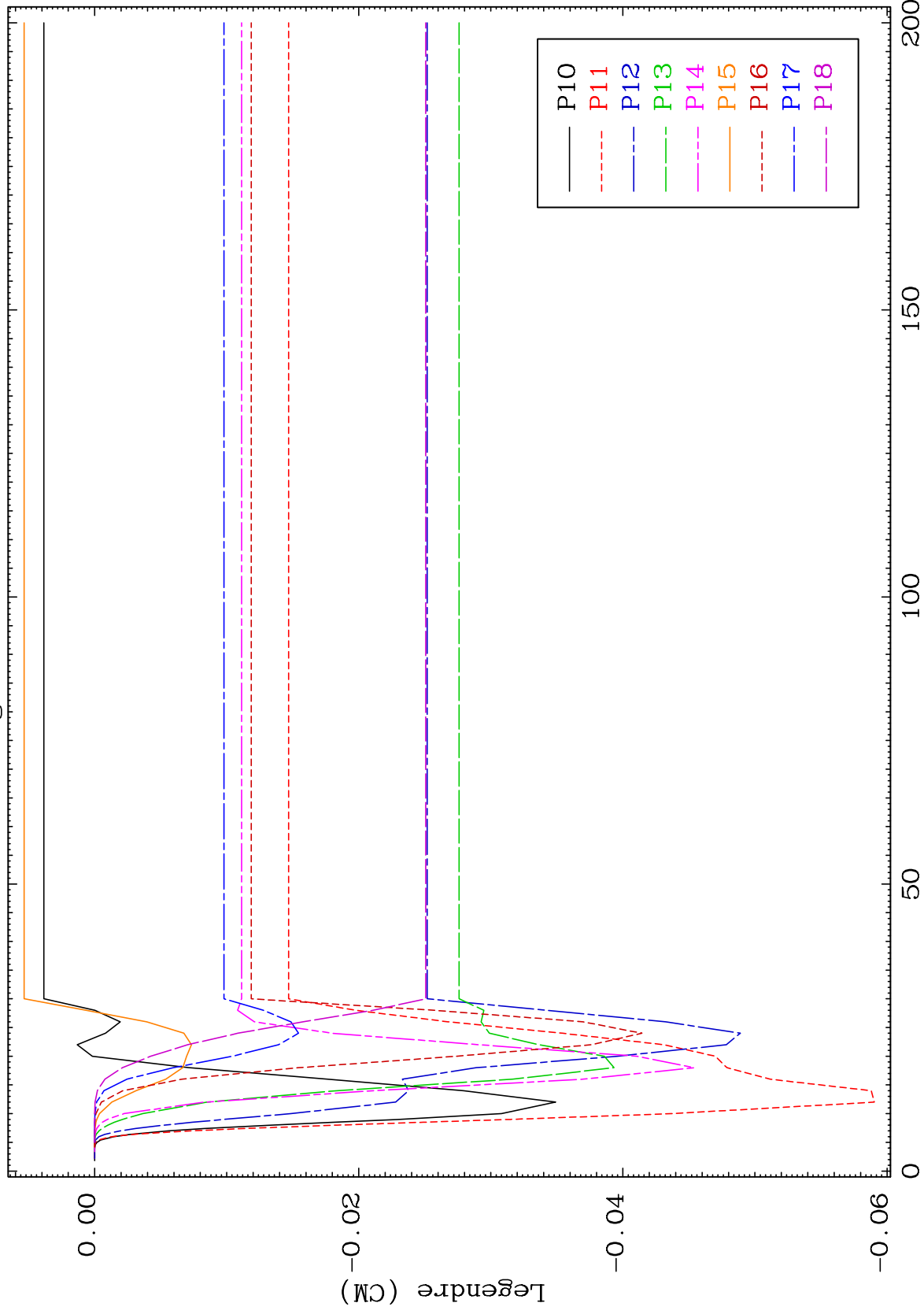
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

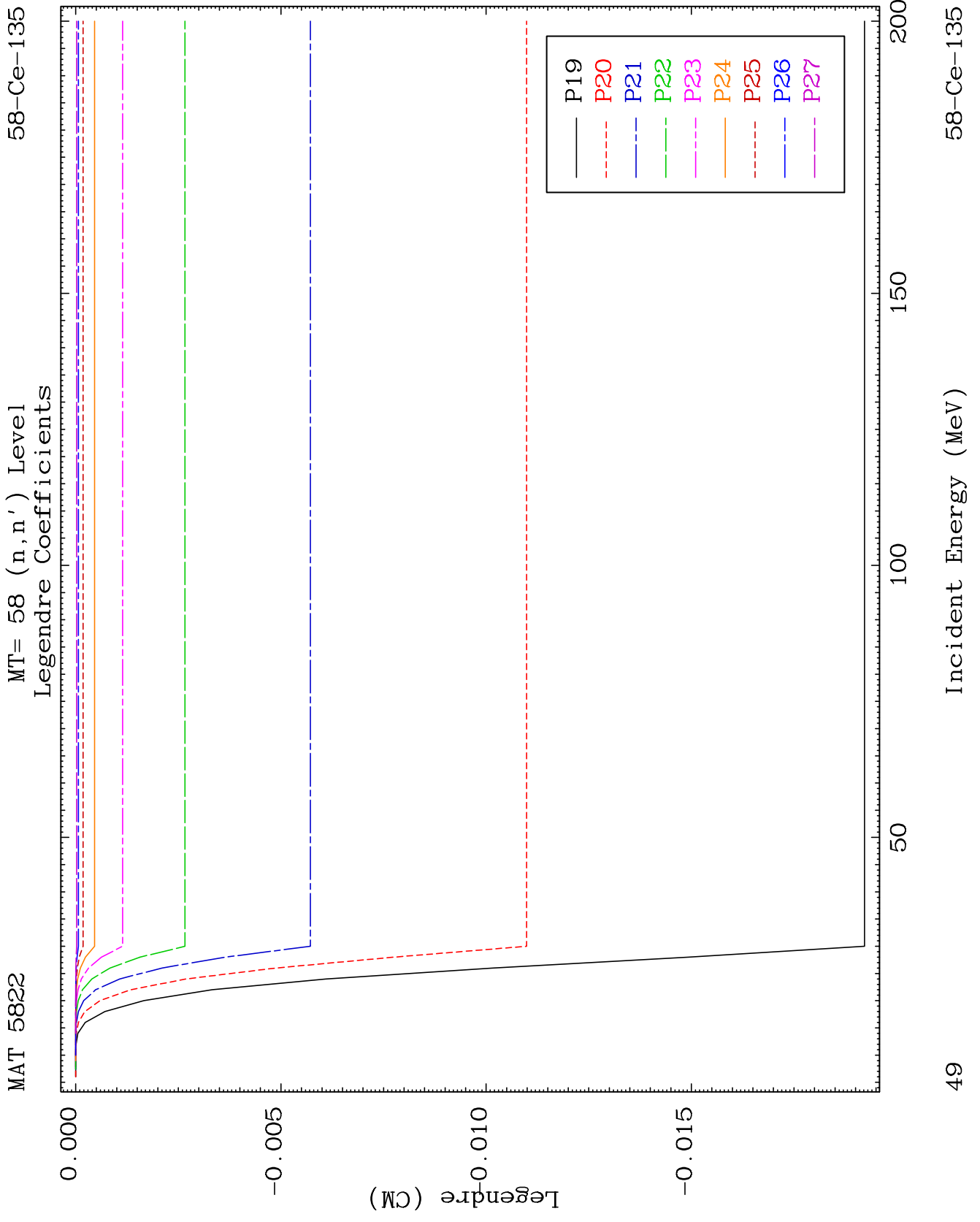
58-Ce-135

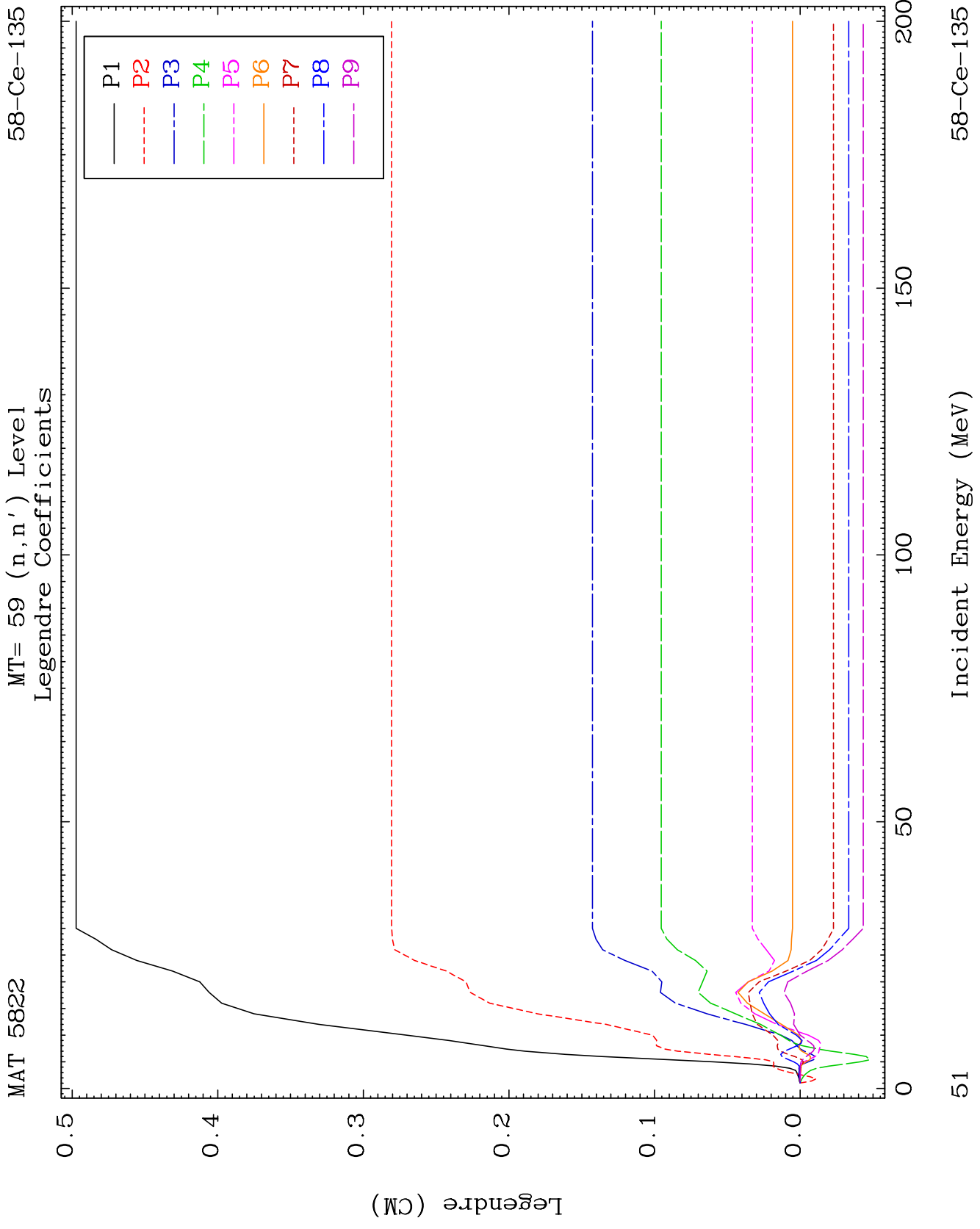


48

Incident Energy (MeV)

58-Ce-135

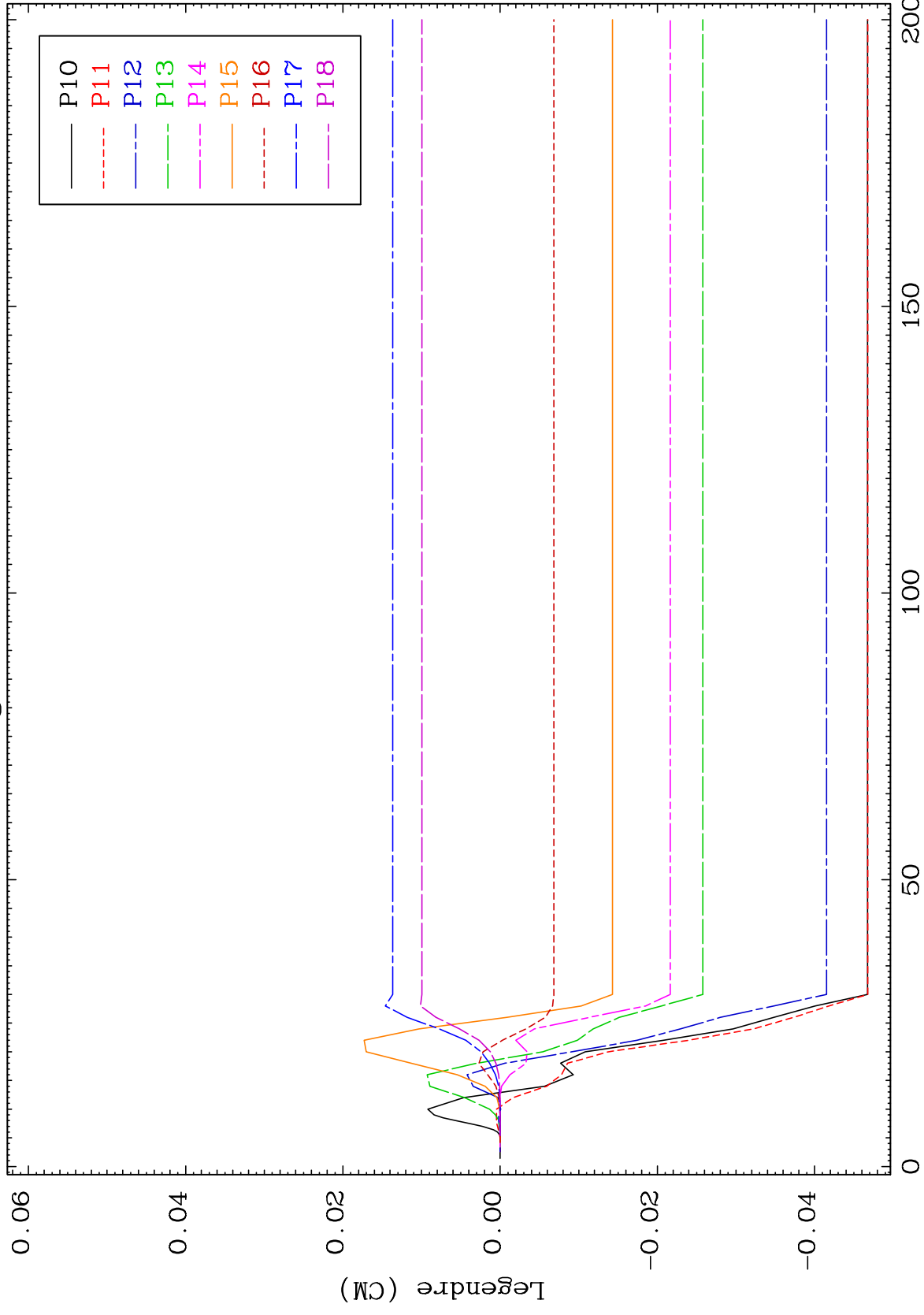




MAT 58222

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

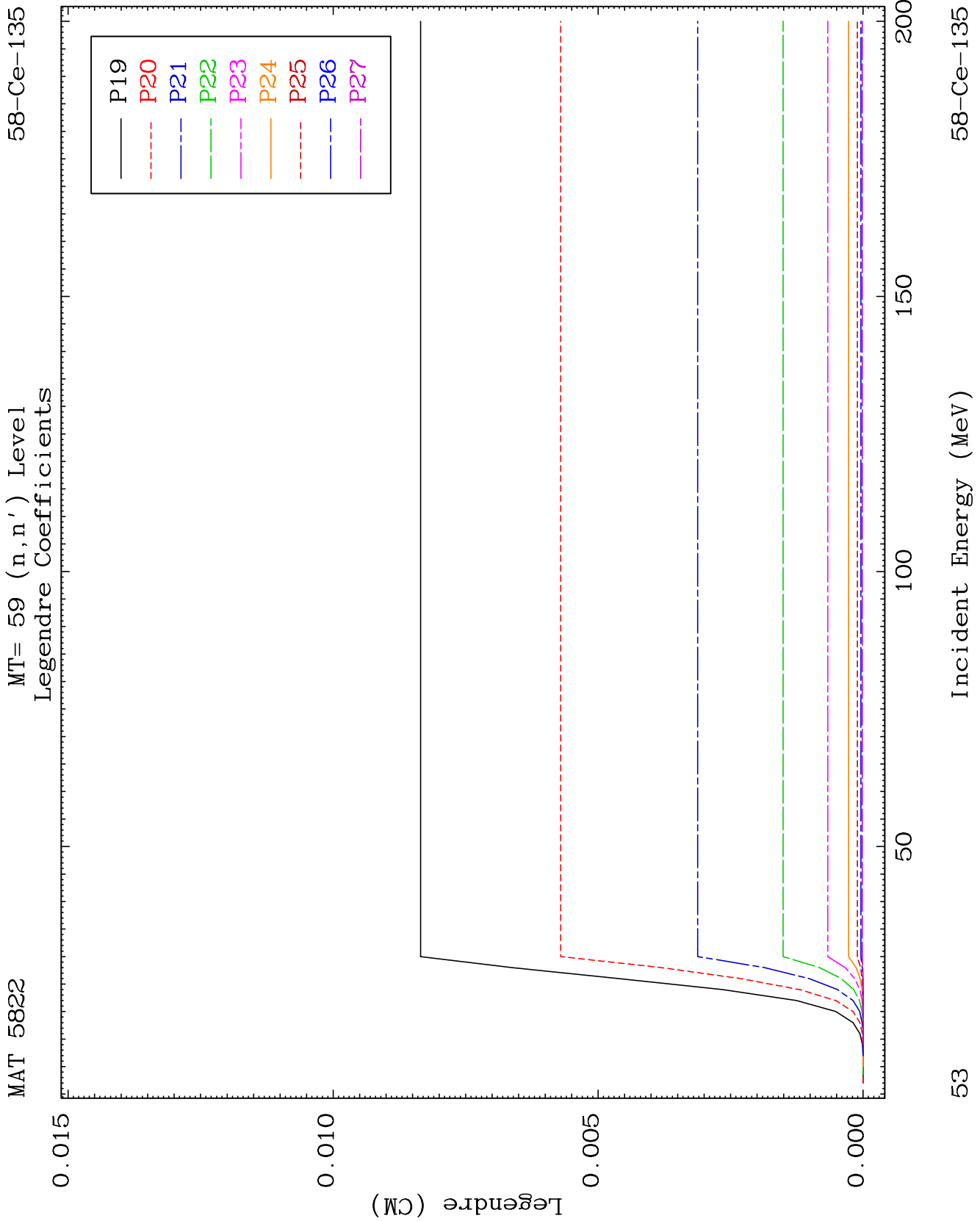
58-Ce-135



52

Incident Energy (MeV)

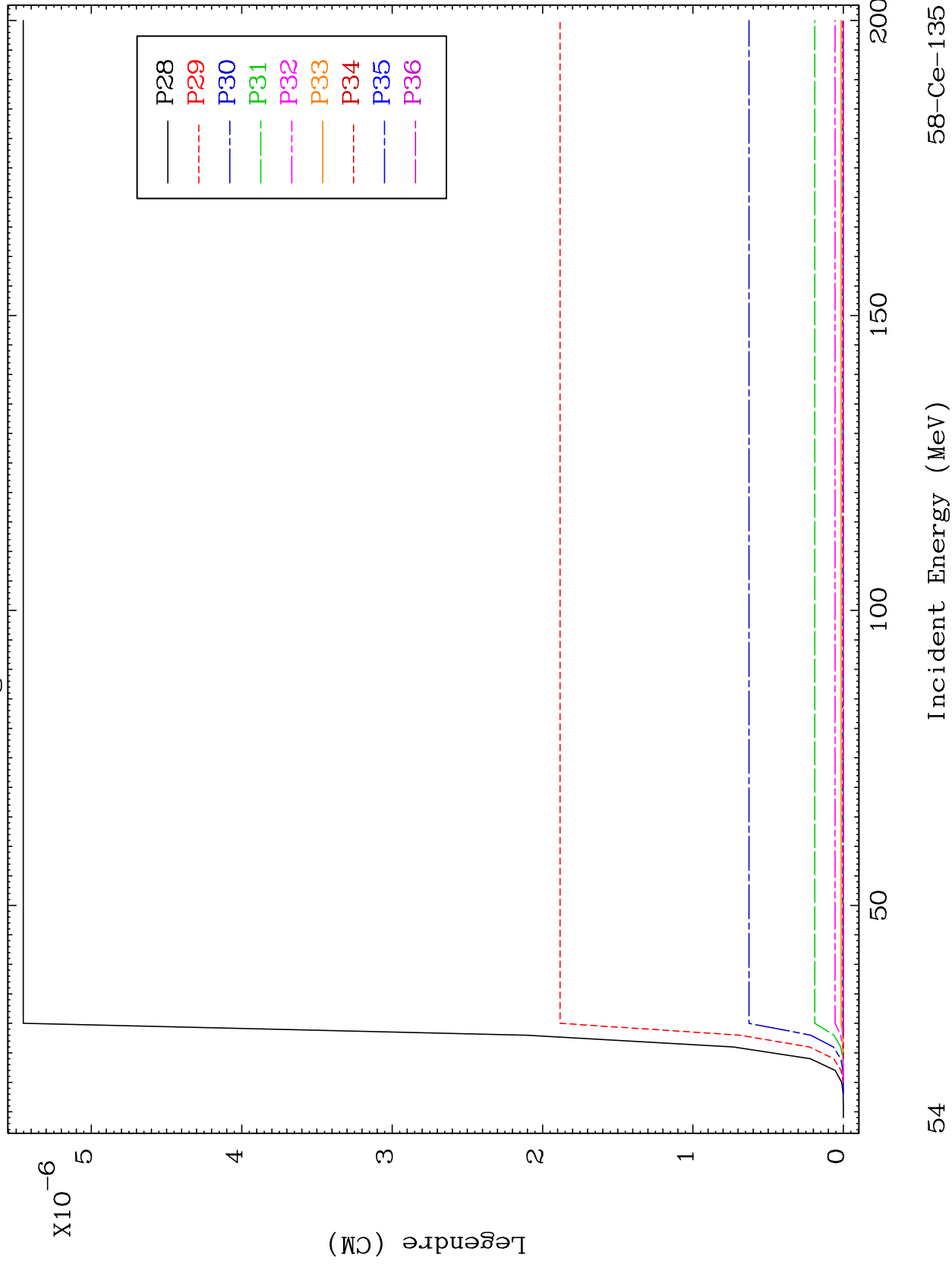
58-Ce-135



MAT 5822

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

58-Ce-135



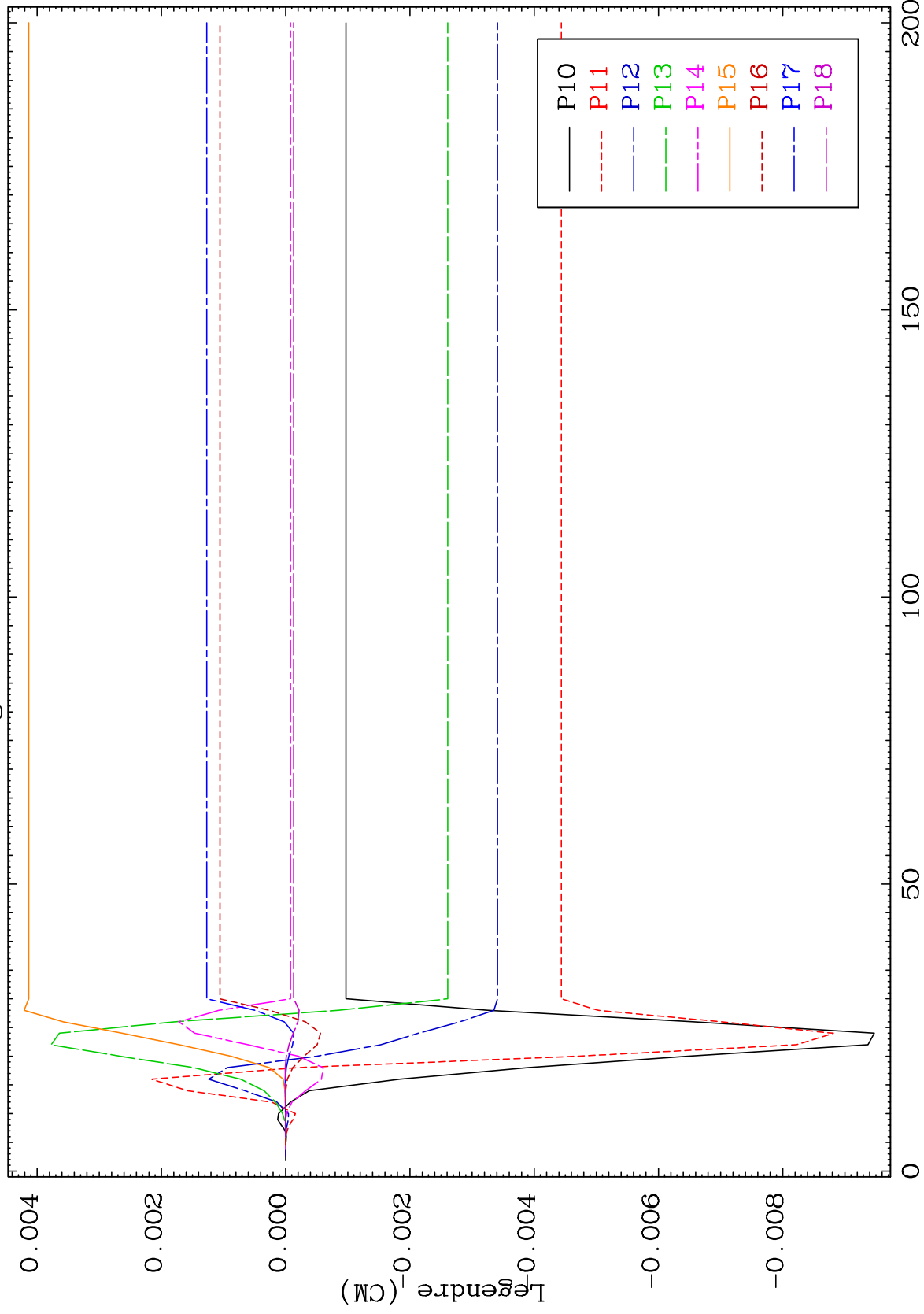
54

58-Ce-135

MAT 58222

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

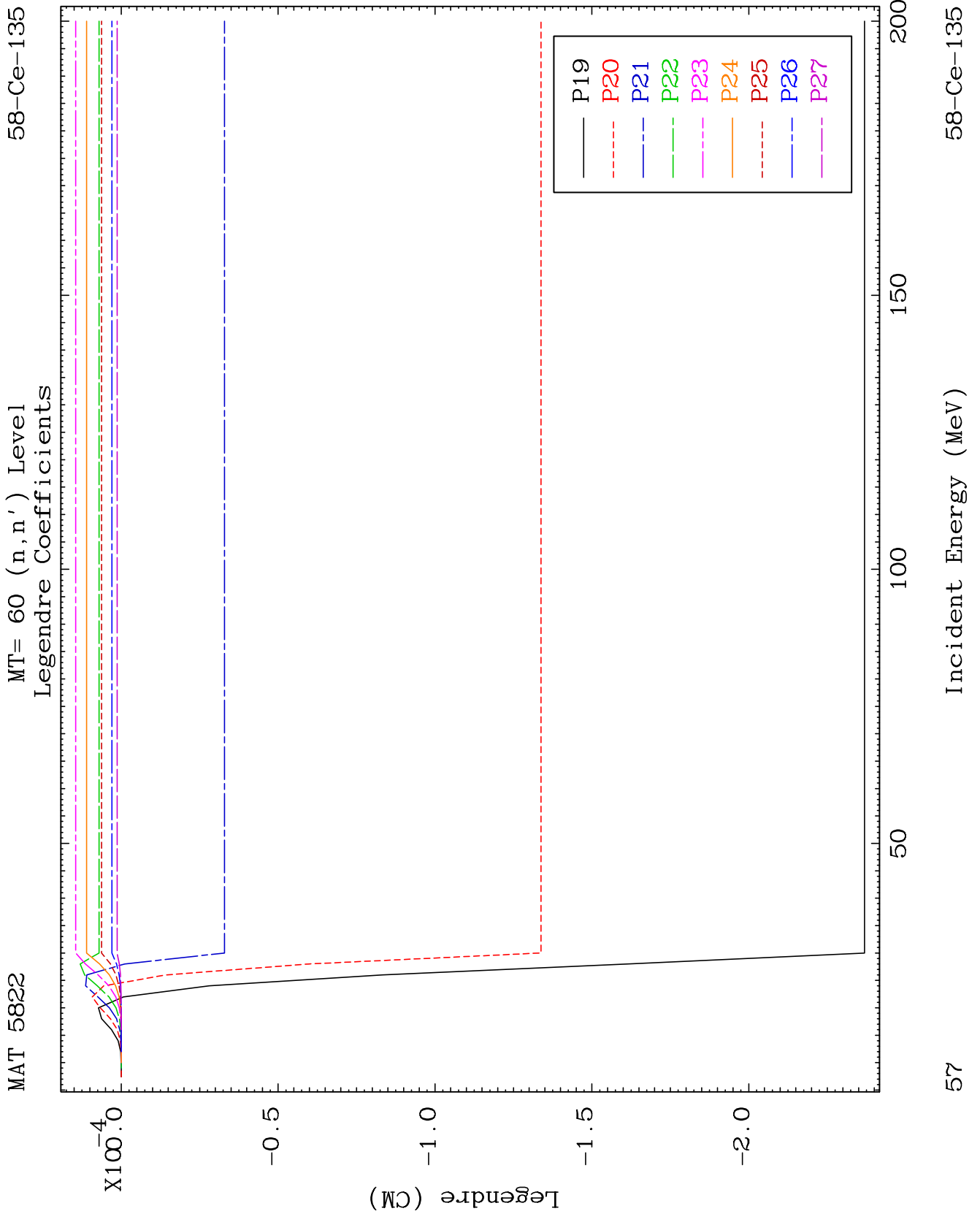
58-Ce-135



56

Incident Energy (MeV)

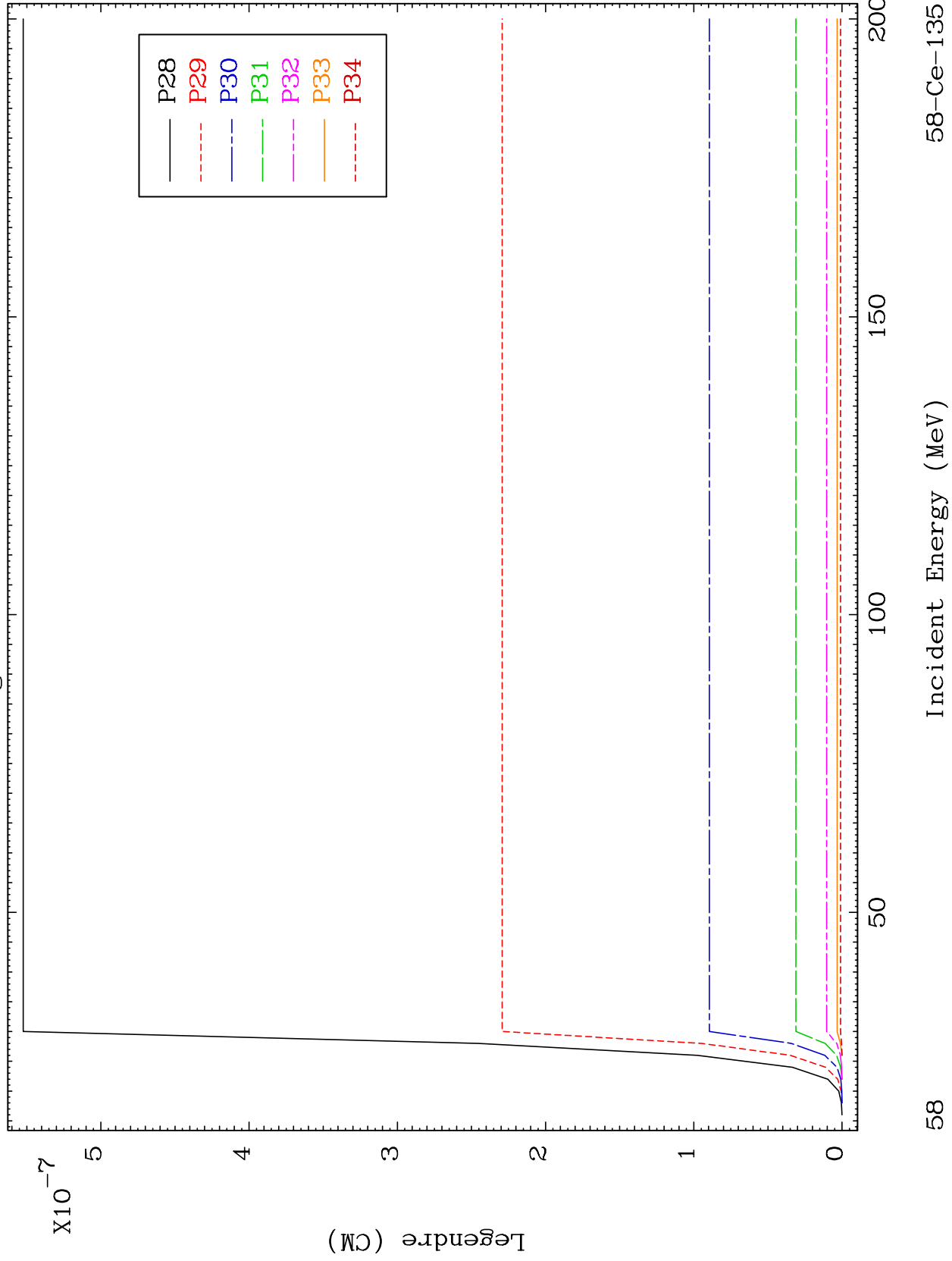
58-Ce-135



MAT 5822

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

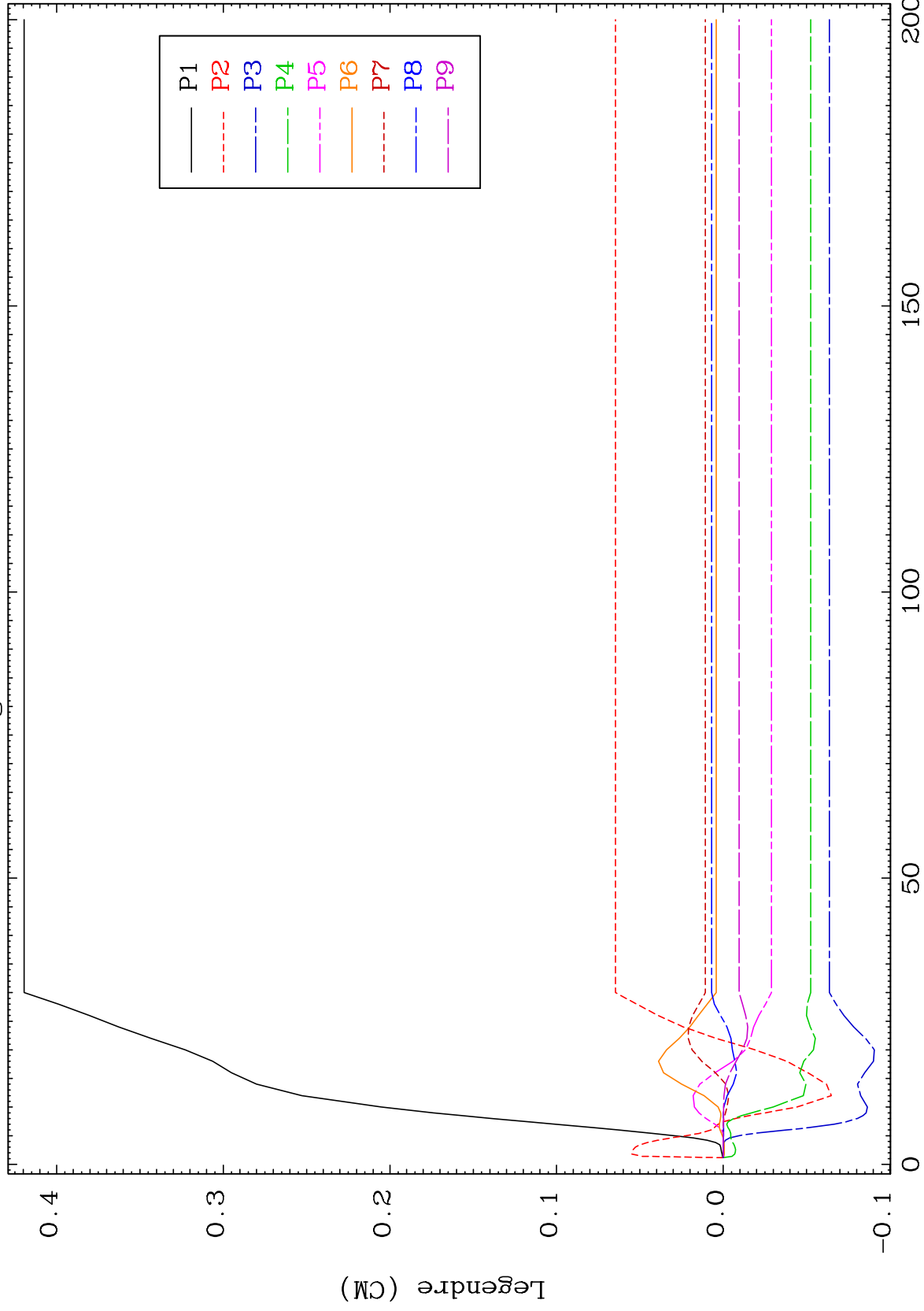
58-Ce-135



MAT 58222

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

58-Ce-135



59

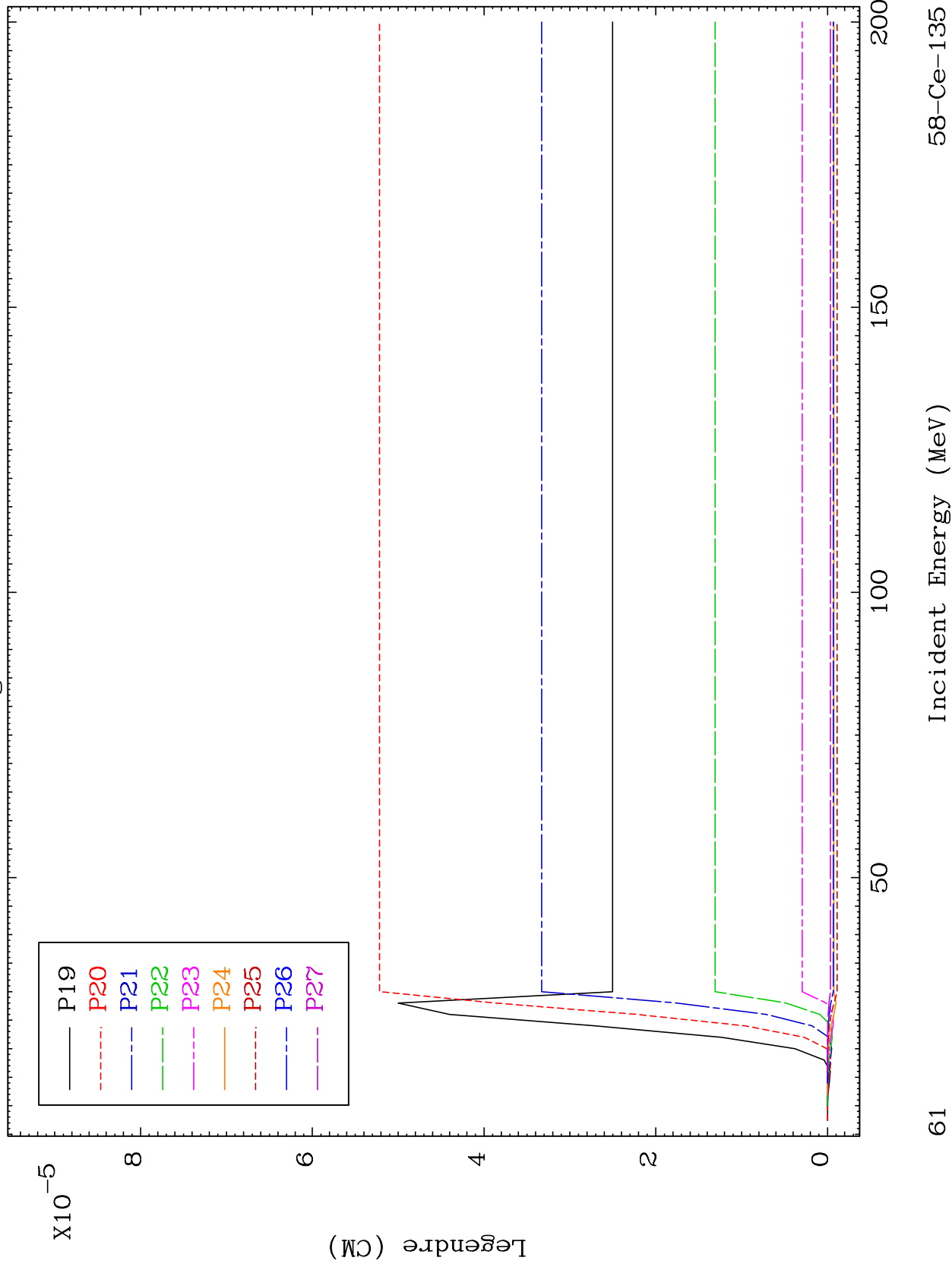
Incident Energy (MeV)

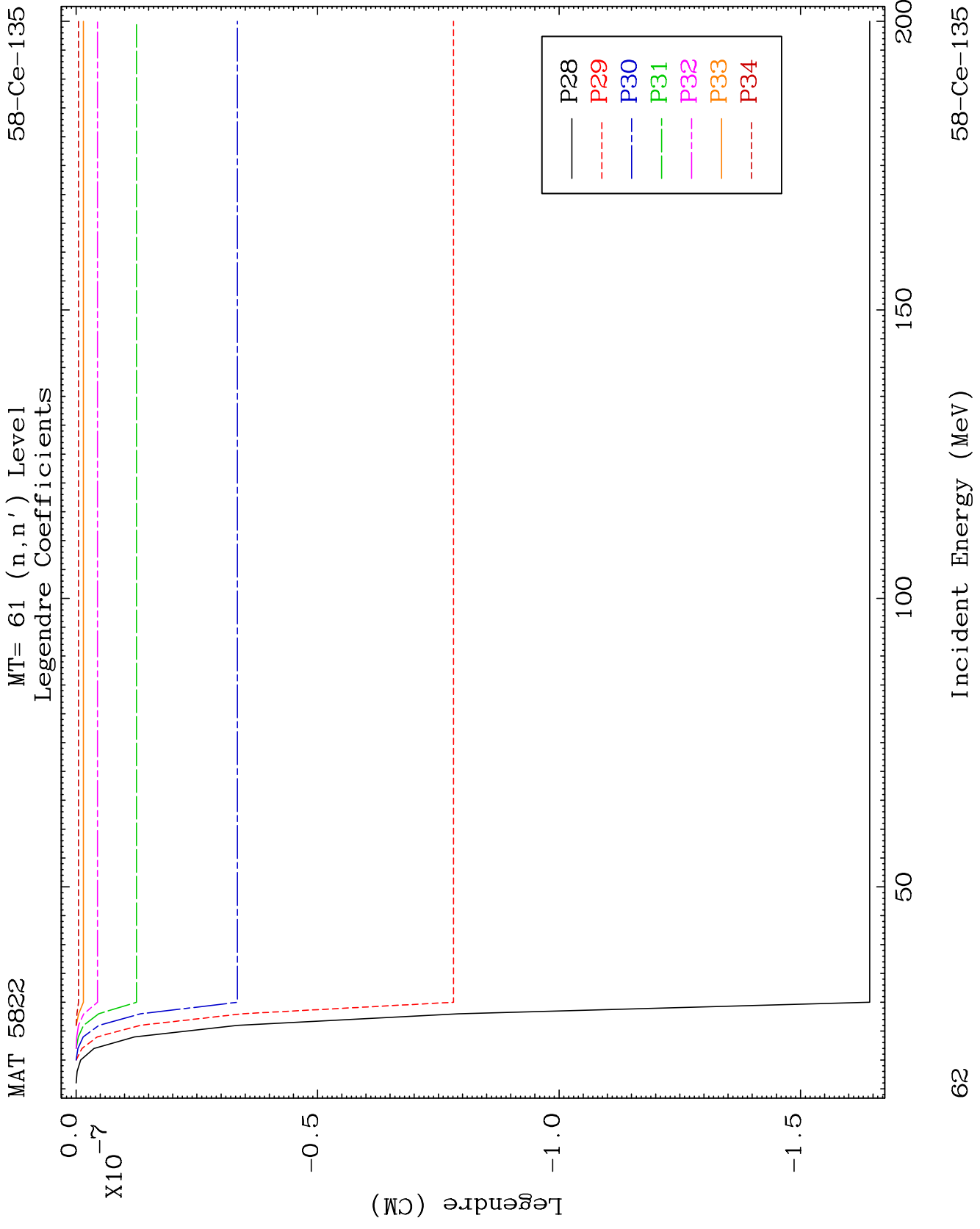
58-Ce-135

MAT 58222

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

58-Ce-135

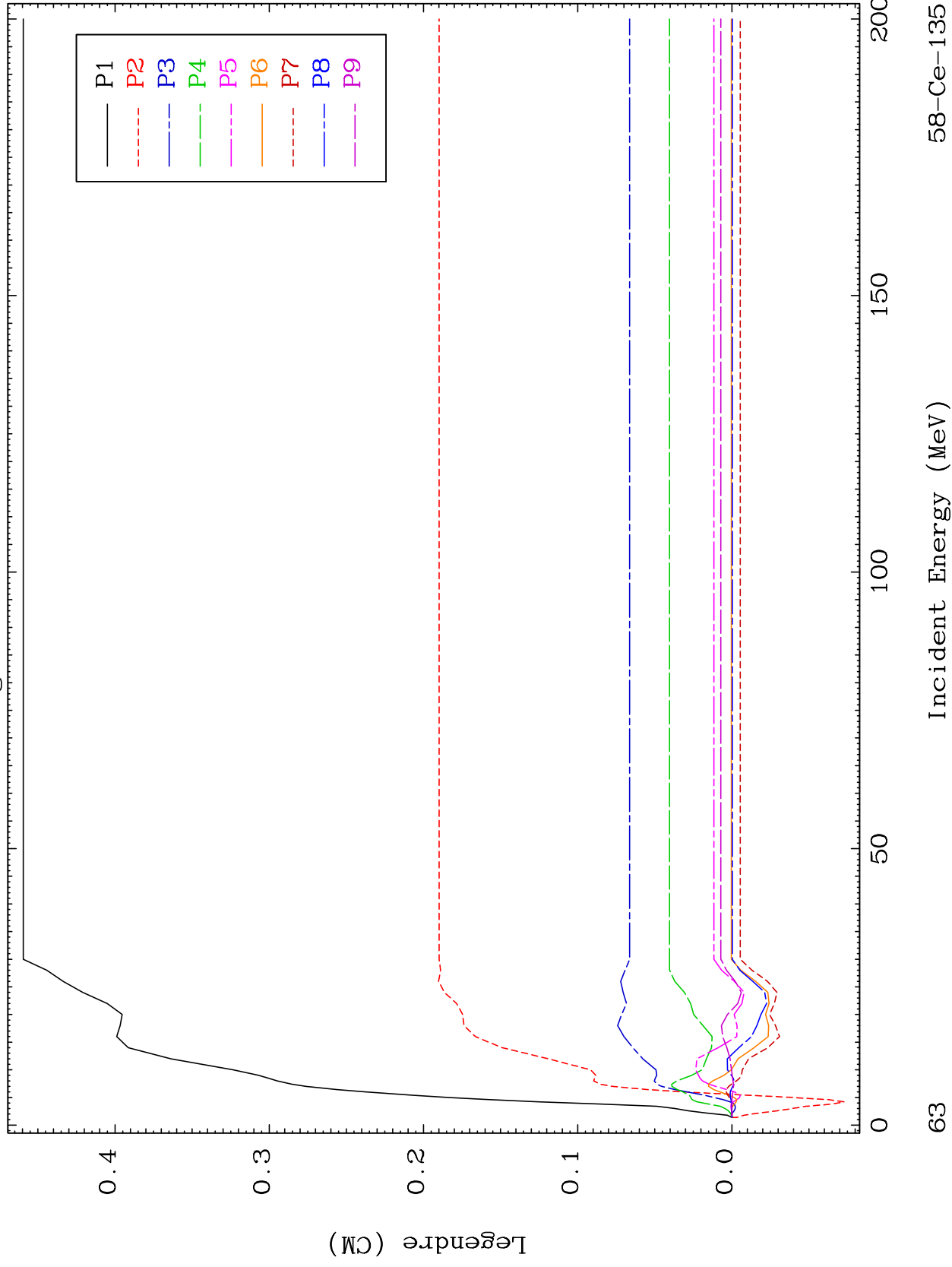




MAT 5822

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

58-Ce-135



58-Ce-135

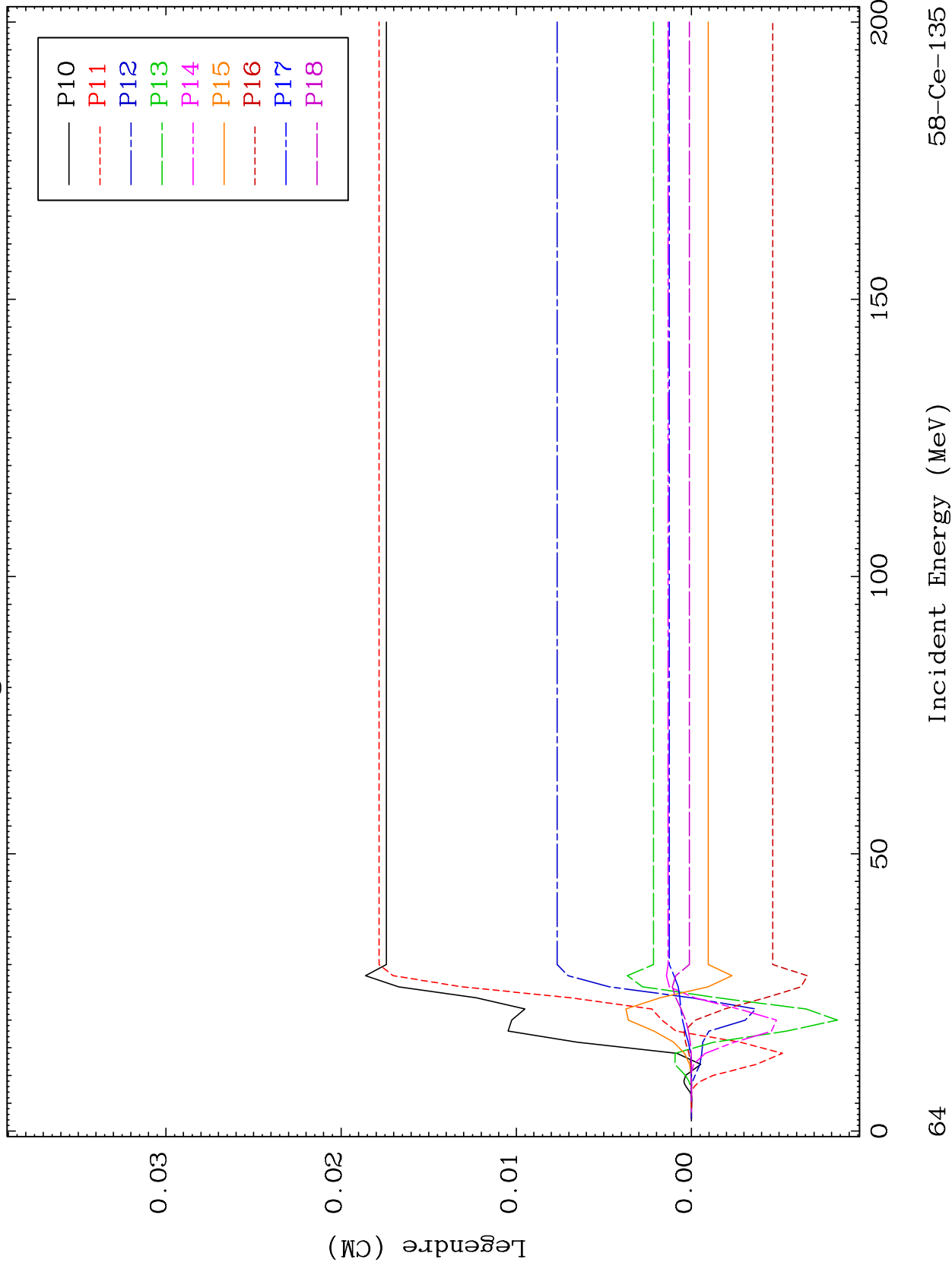
Incident Energy (MeV)

63

MAT 58222

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

58-Ce-135



58-Ce-135

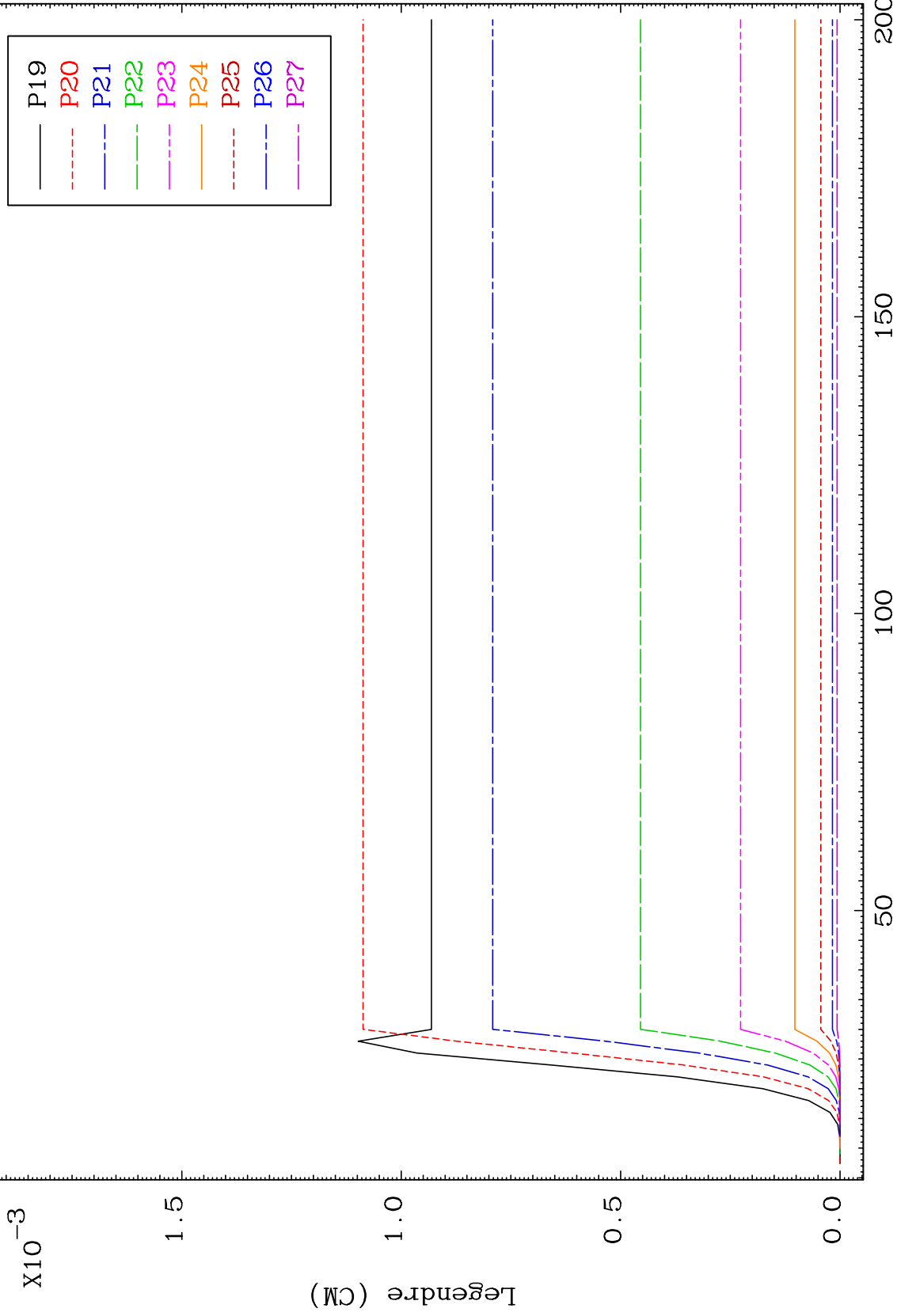
Incident Energy (MeV)

64

MAT 5822

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

58-Ce-135



65

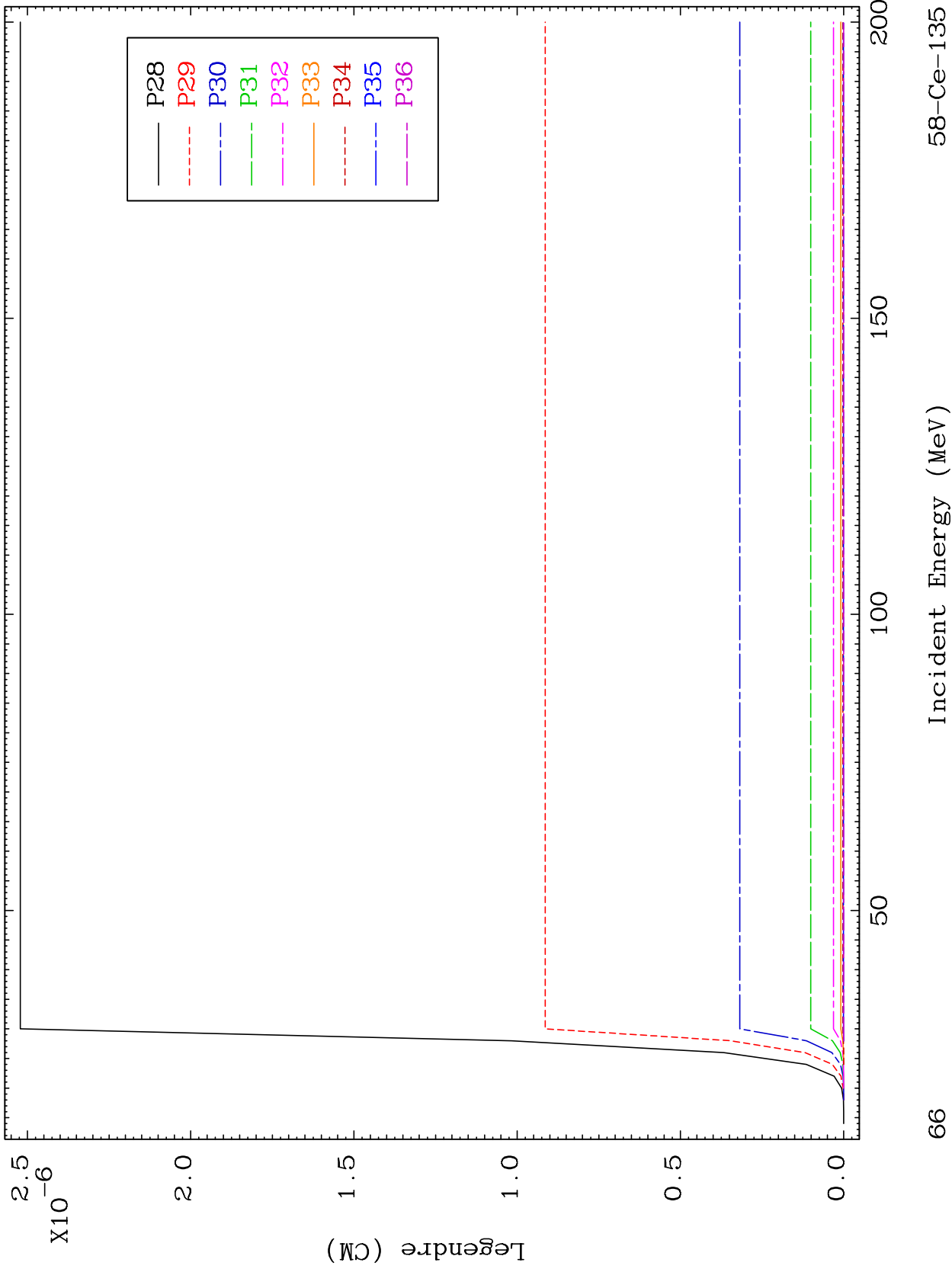
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



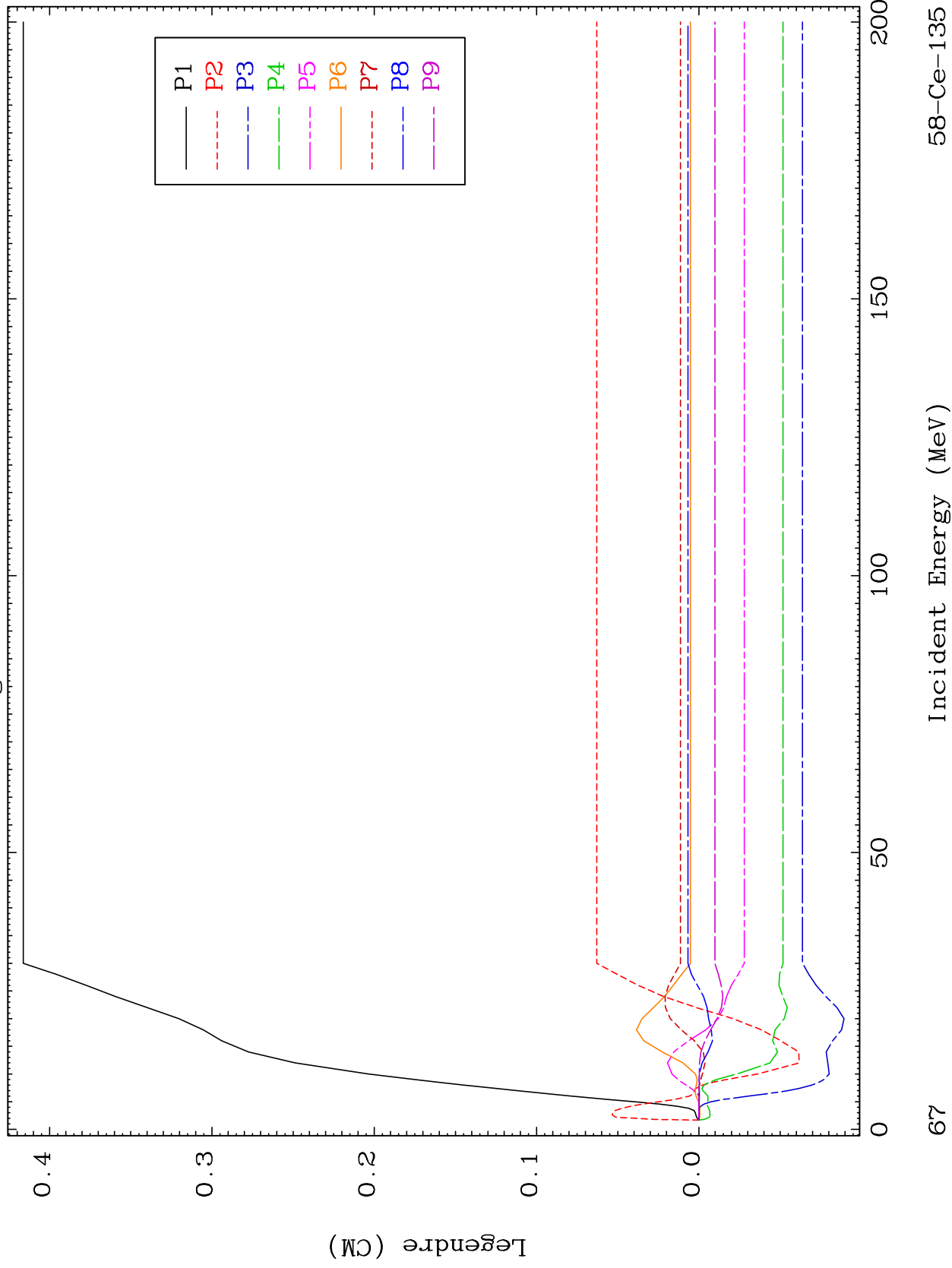
66

58-Ce-135

MAT 58222

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

58-Ce-135



58-Ce-135

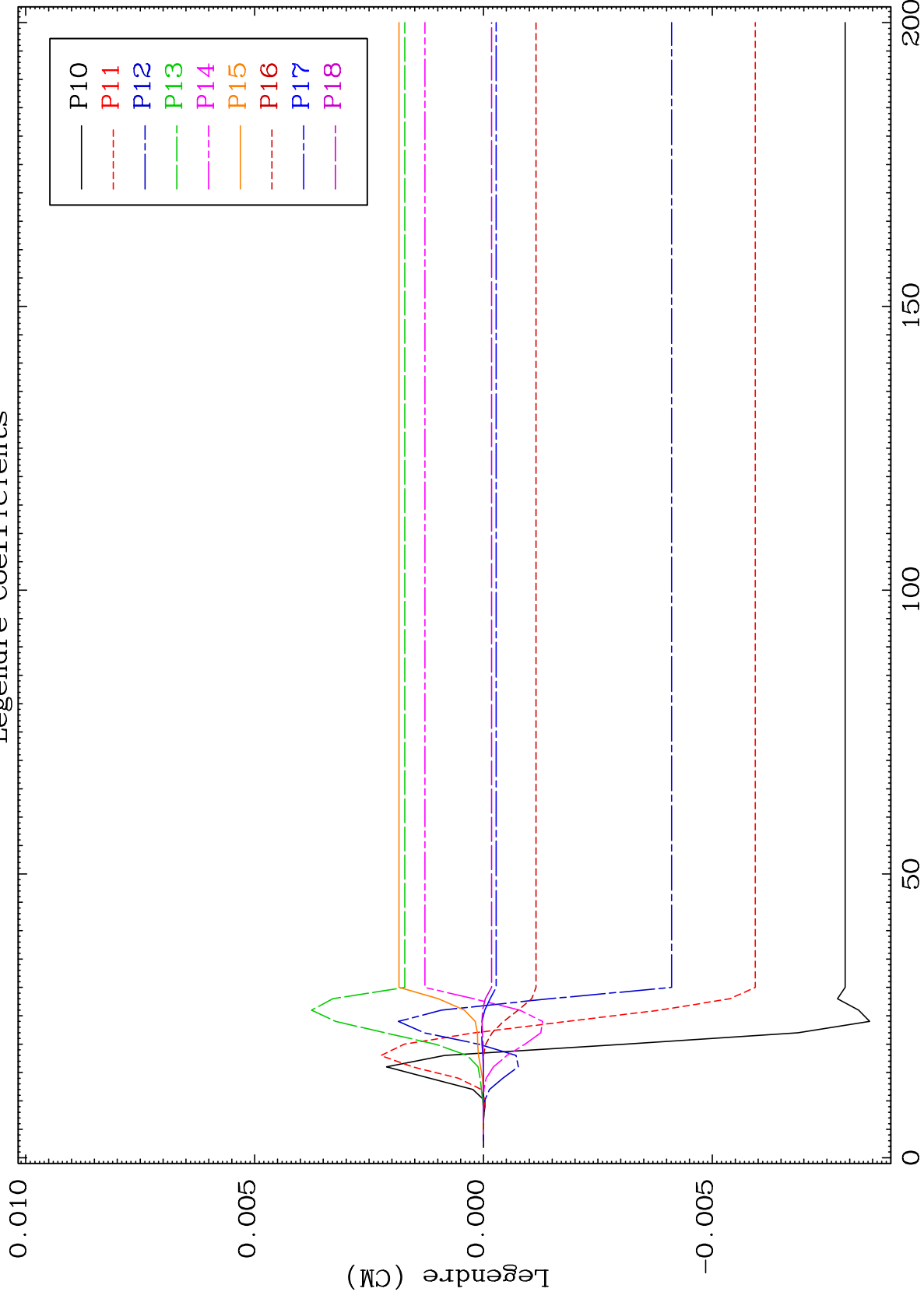
Incident Energy (MeV)

67

MAT 58222

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

58-Ce-135



68

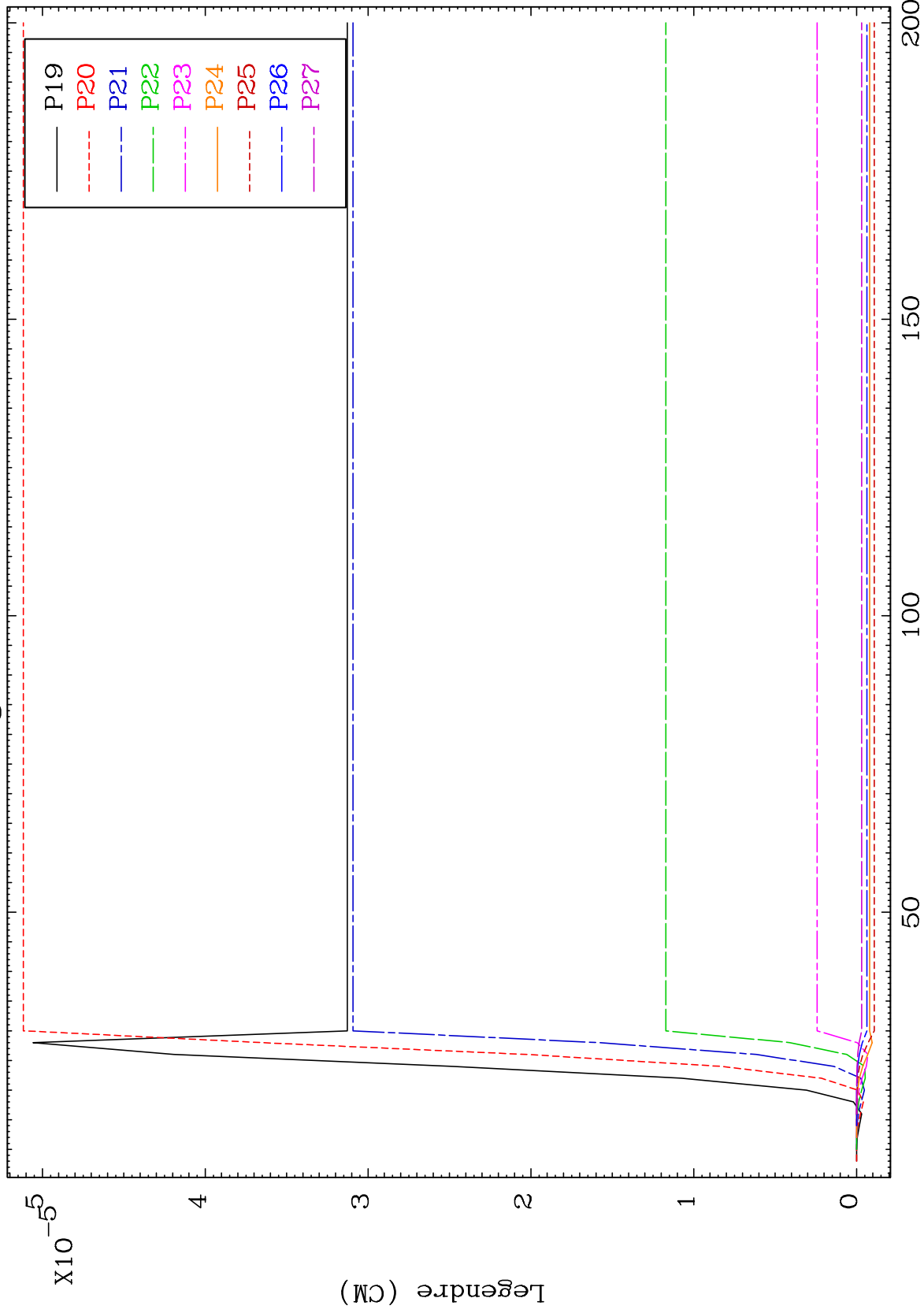
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

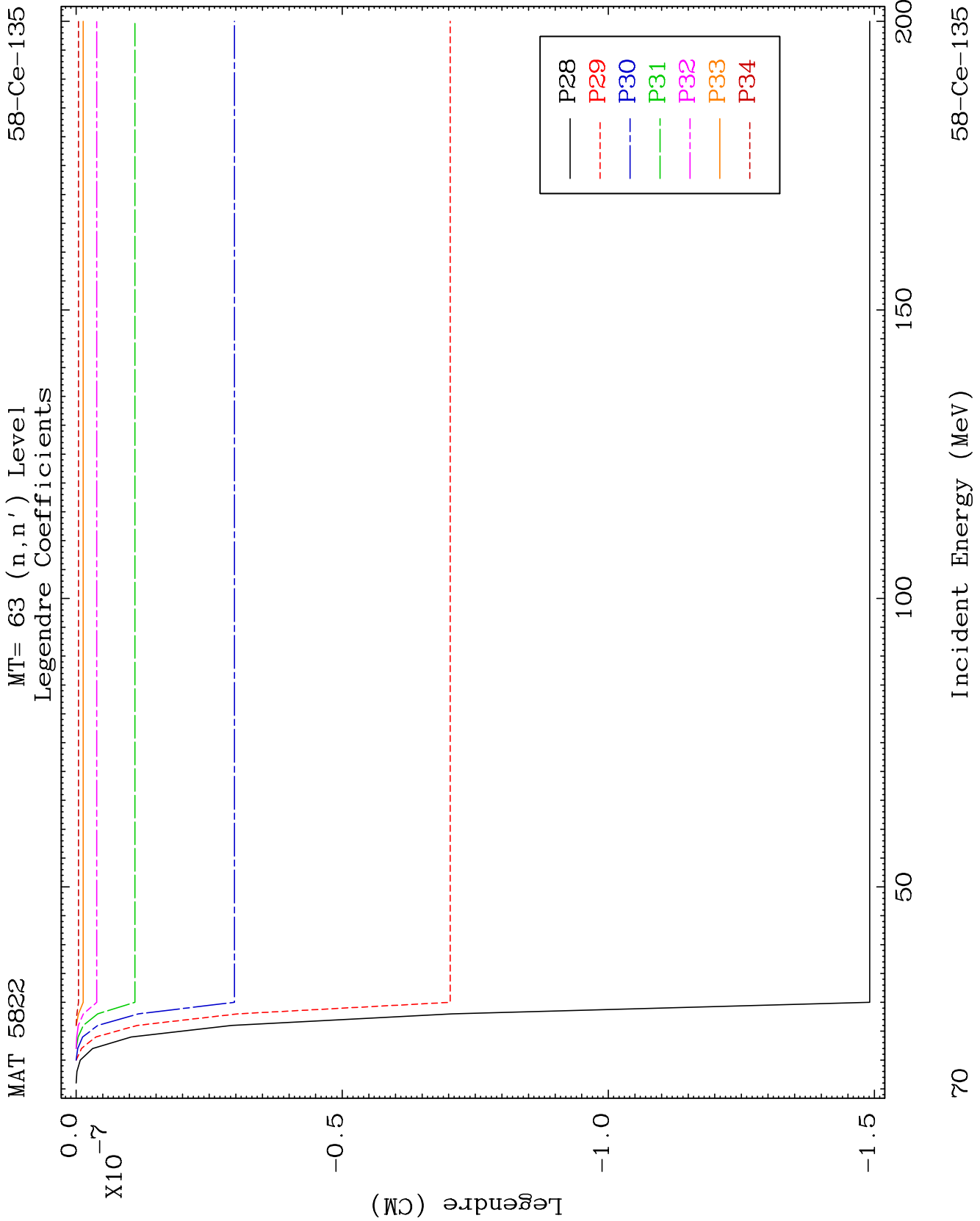
58-Ce-135



69

Incident Energy (MeV)

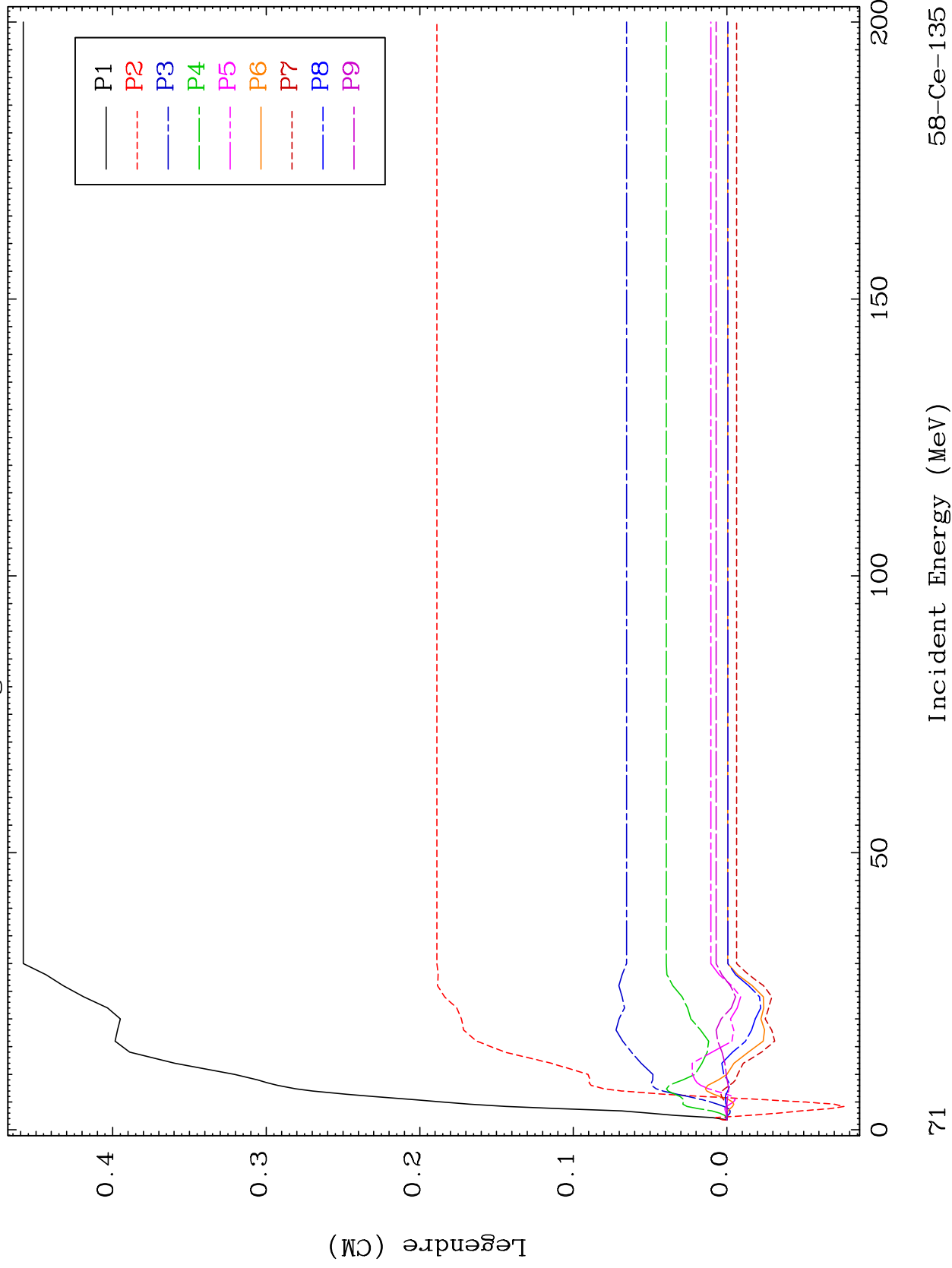
58-Ce-135



MAT 58222

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

58-Ce-135



58-Ce-135

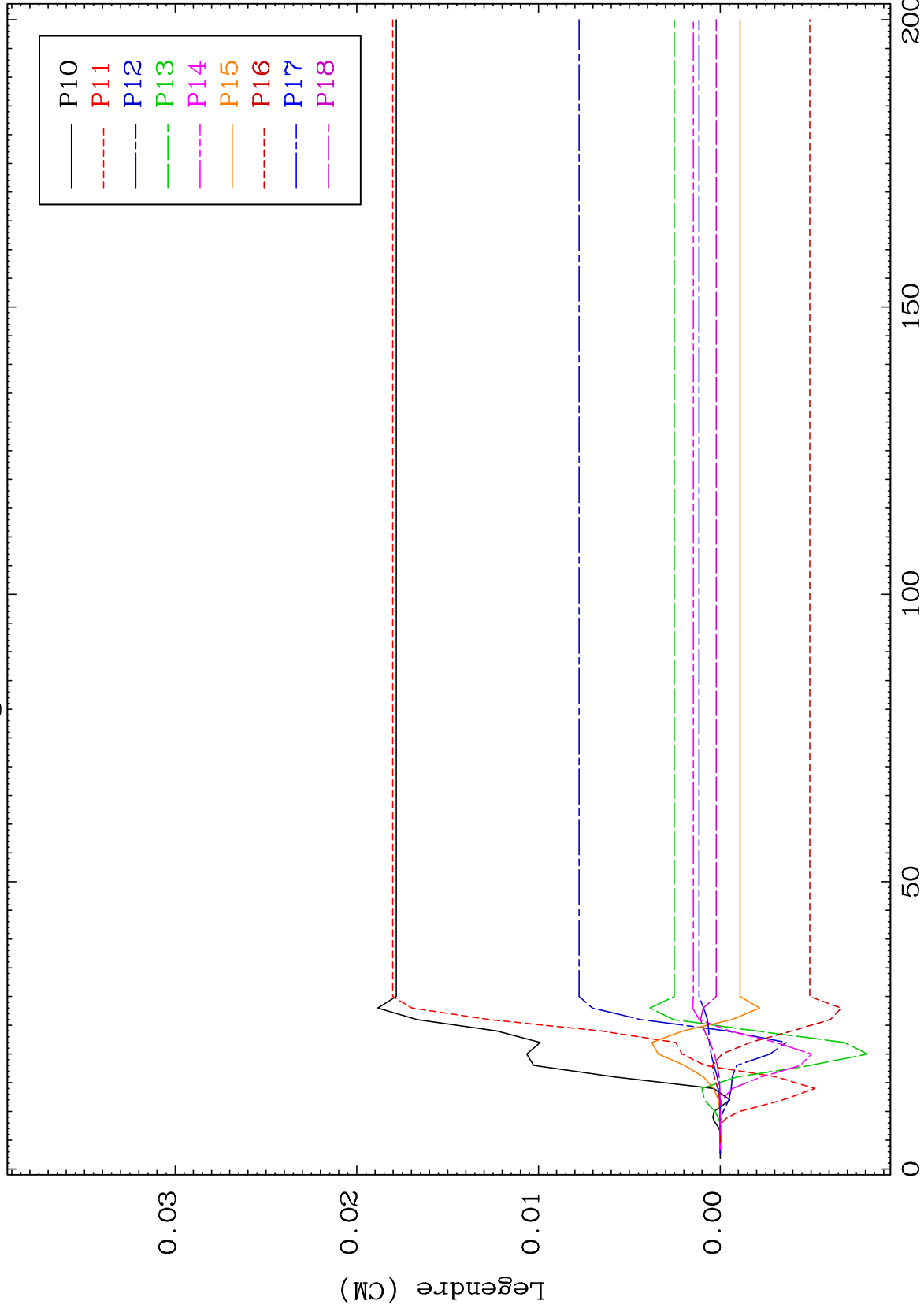
Incident Energy (MeV)

71

MAT 58222

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

58-Ce-135



72

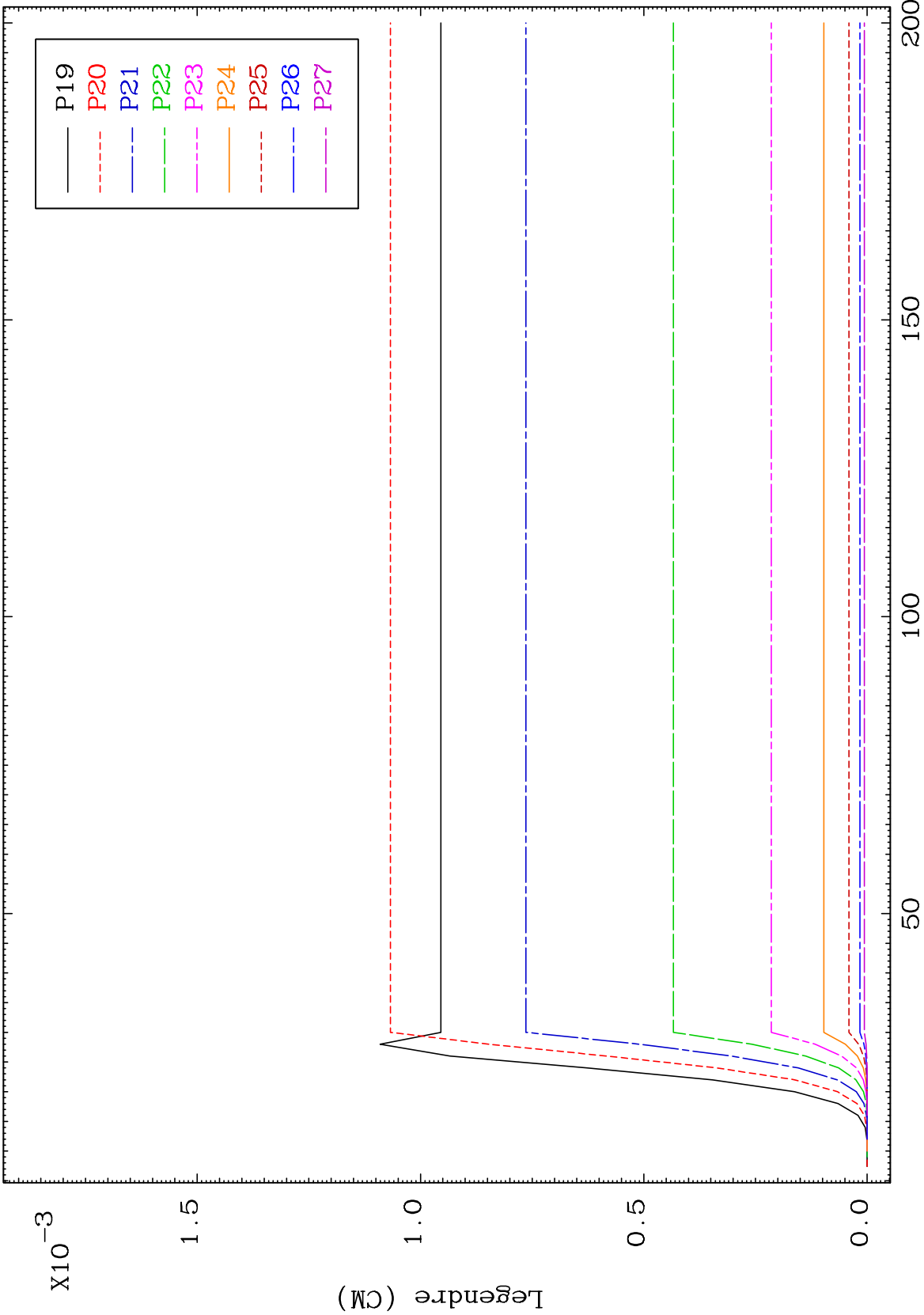
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



73

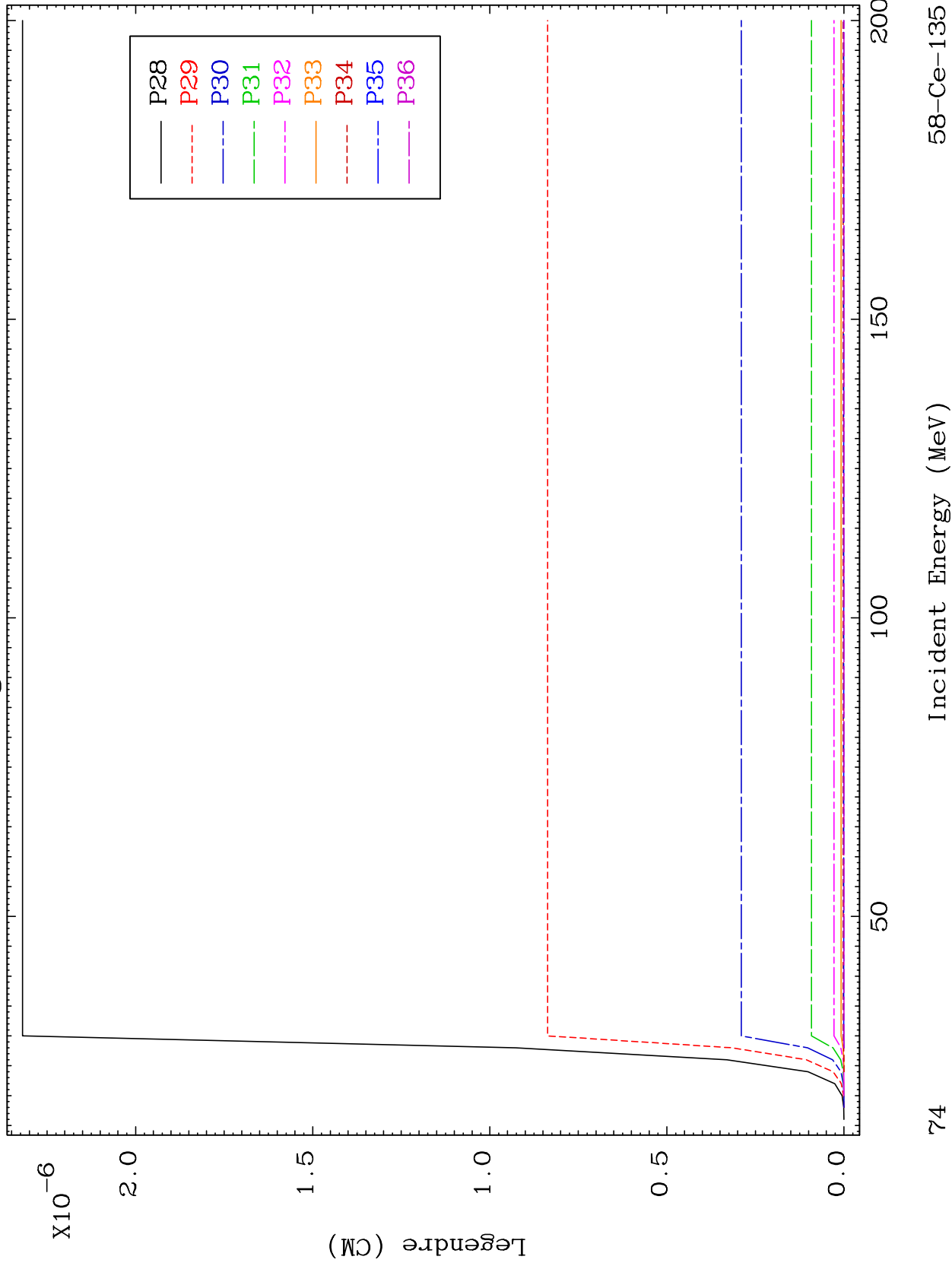
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

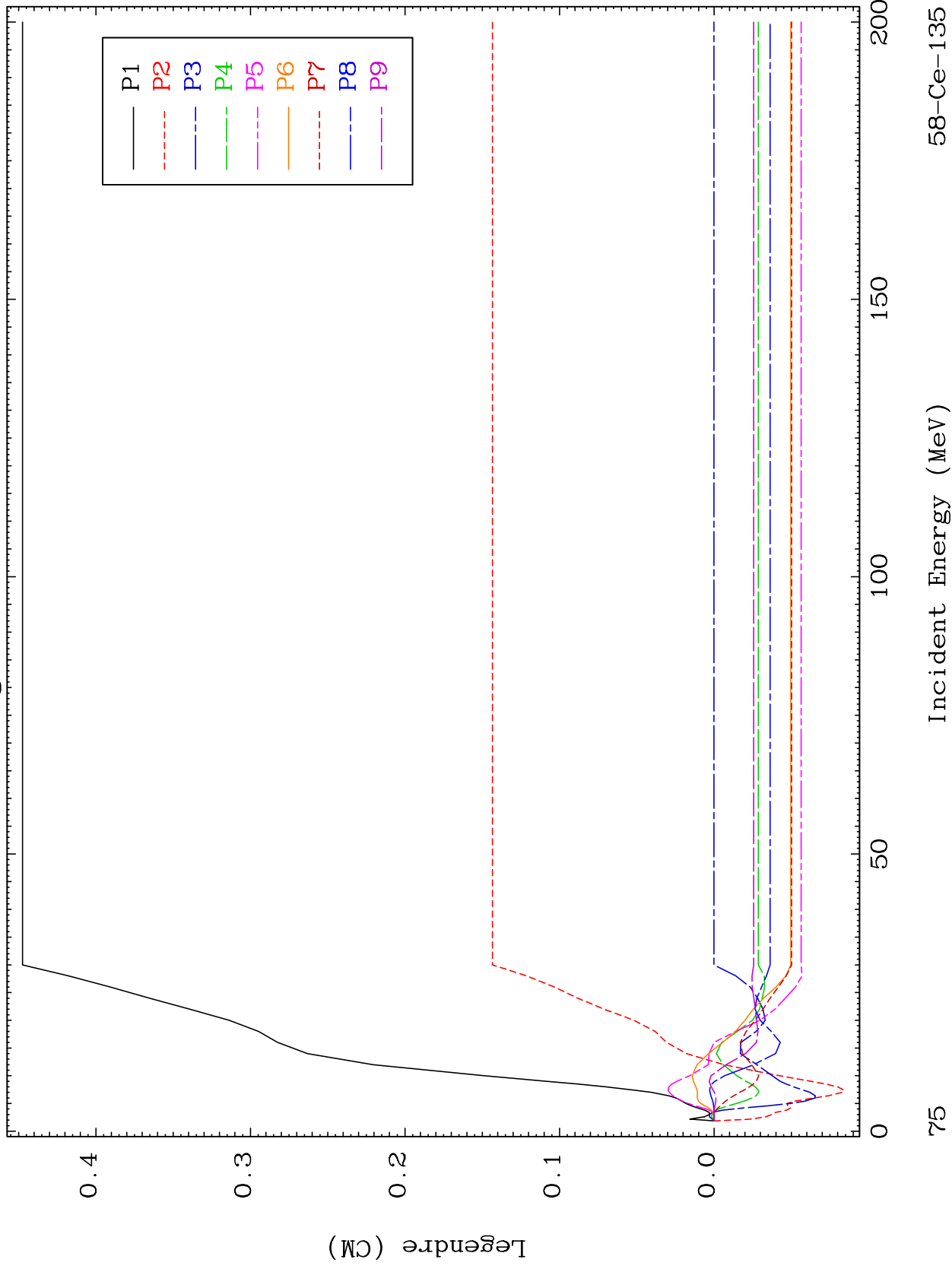
58-Ce-135



MAT 58222

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

58-Ce-135



58-Ce-135

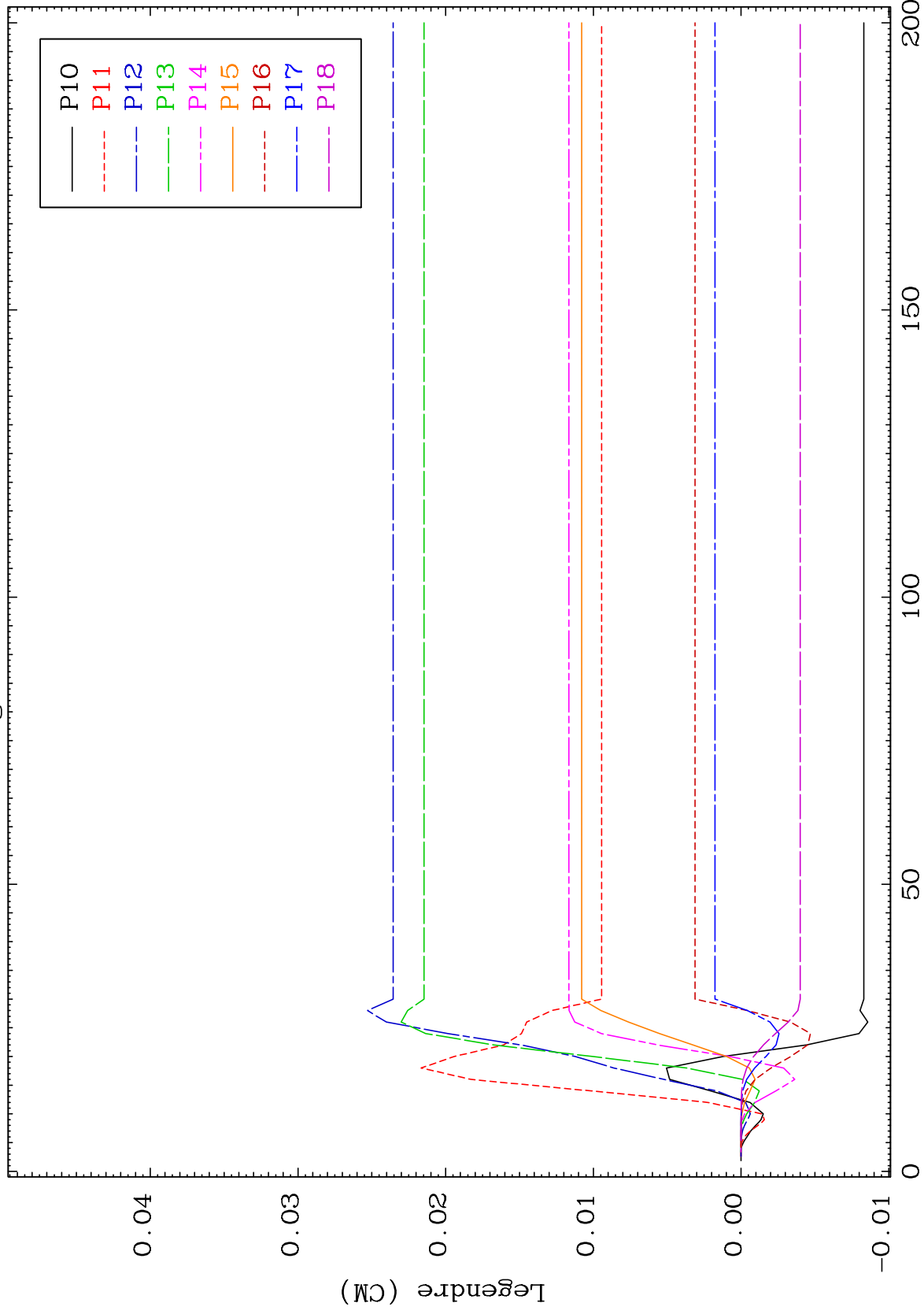
Incident Energy (MeV)

75

MAT 5822

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

58-Ce-135



76

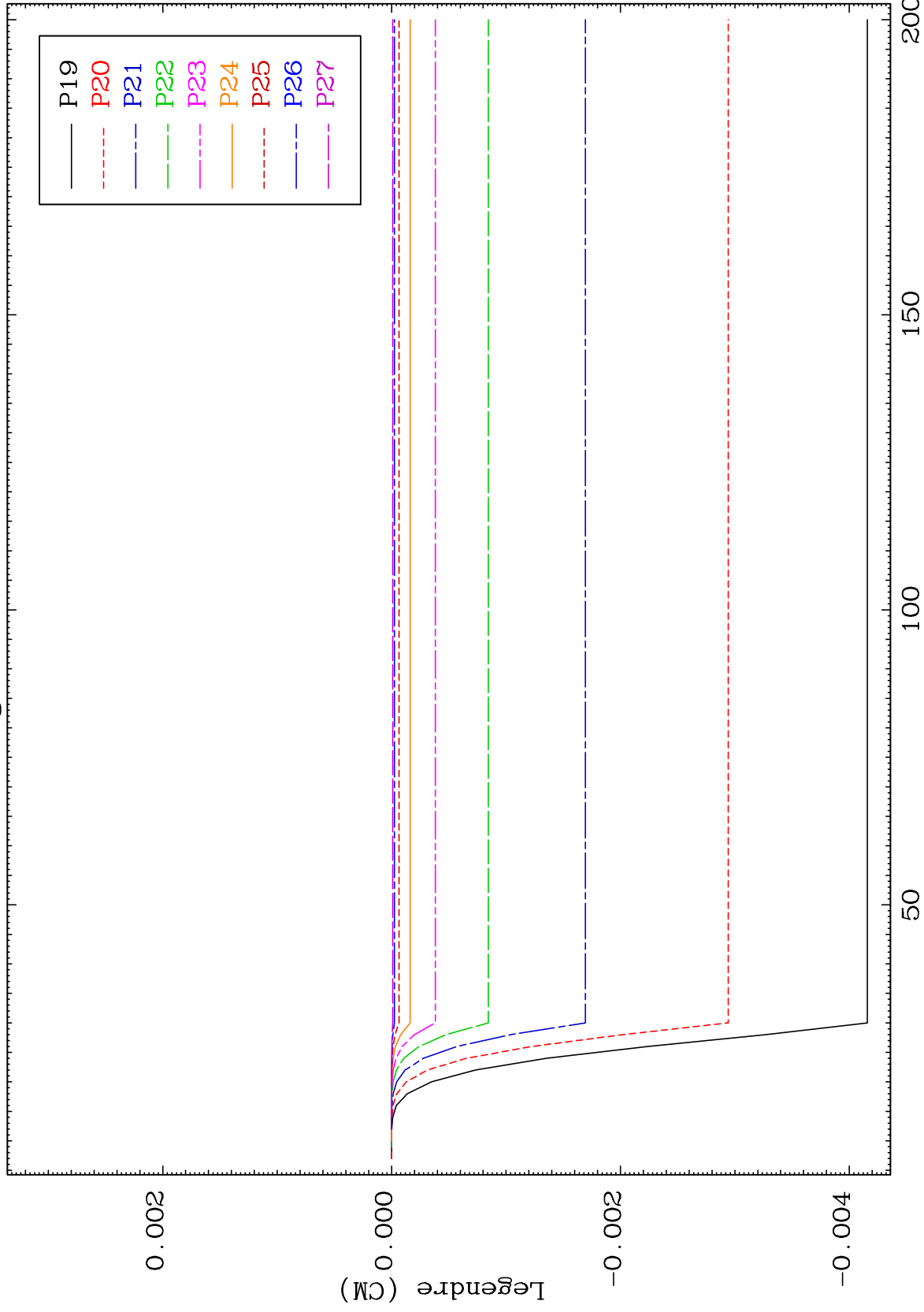
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

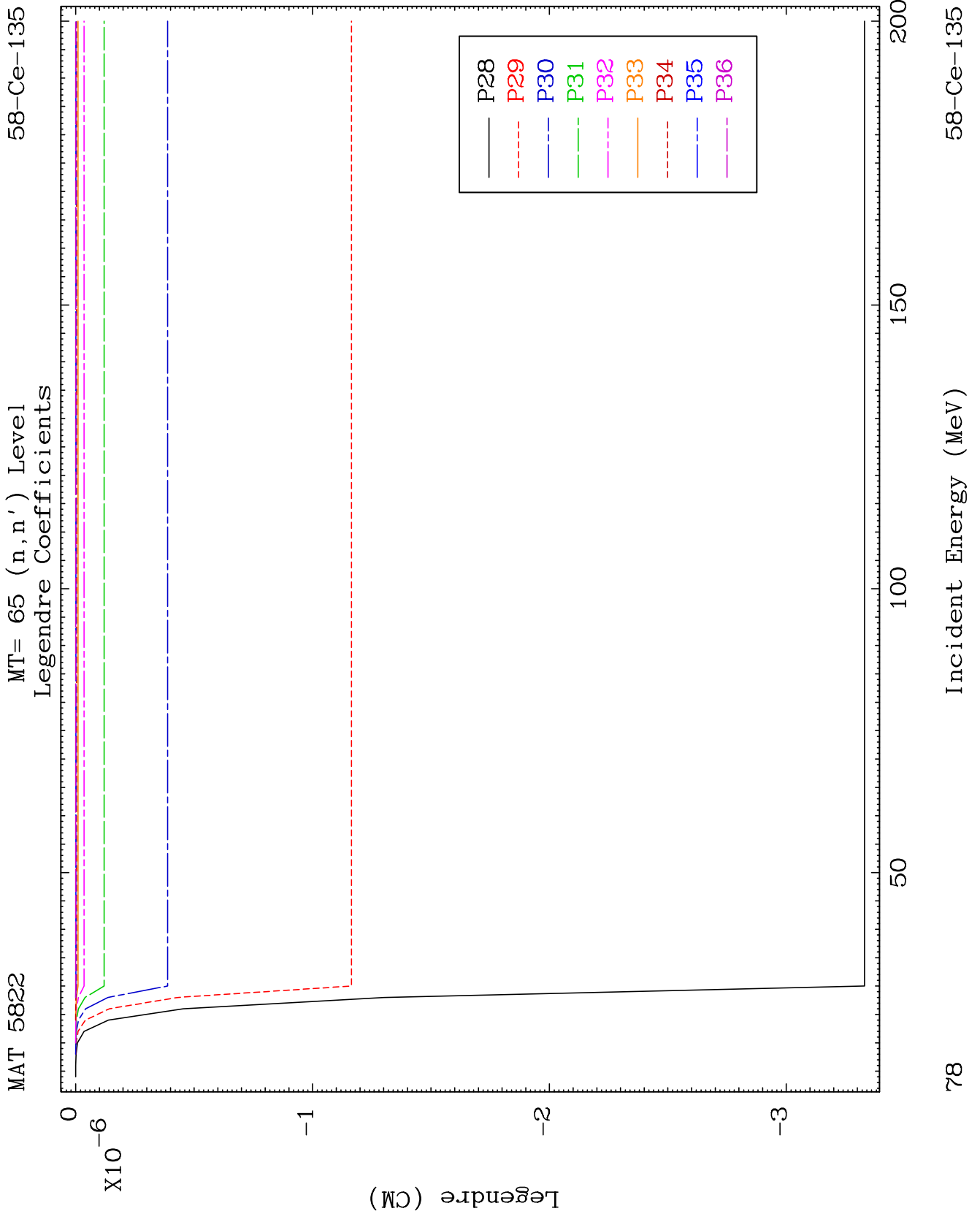
58-Ce-135



77

Incident Energy (MeV)

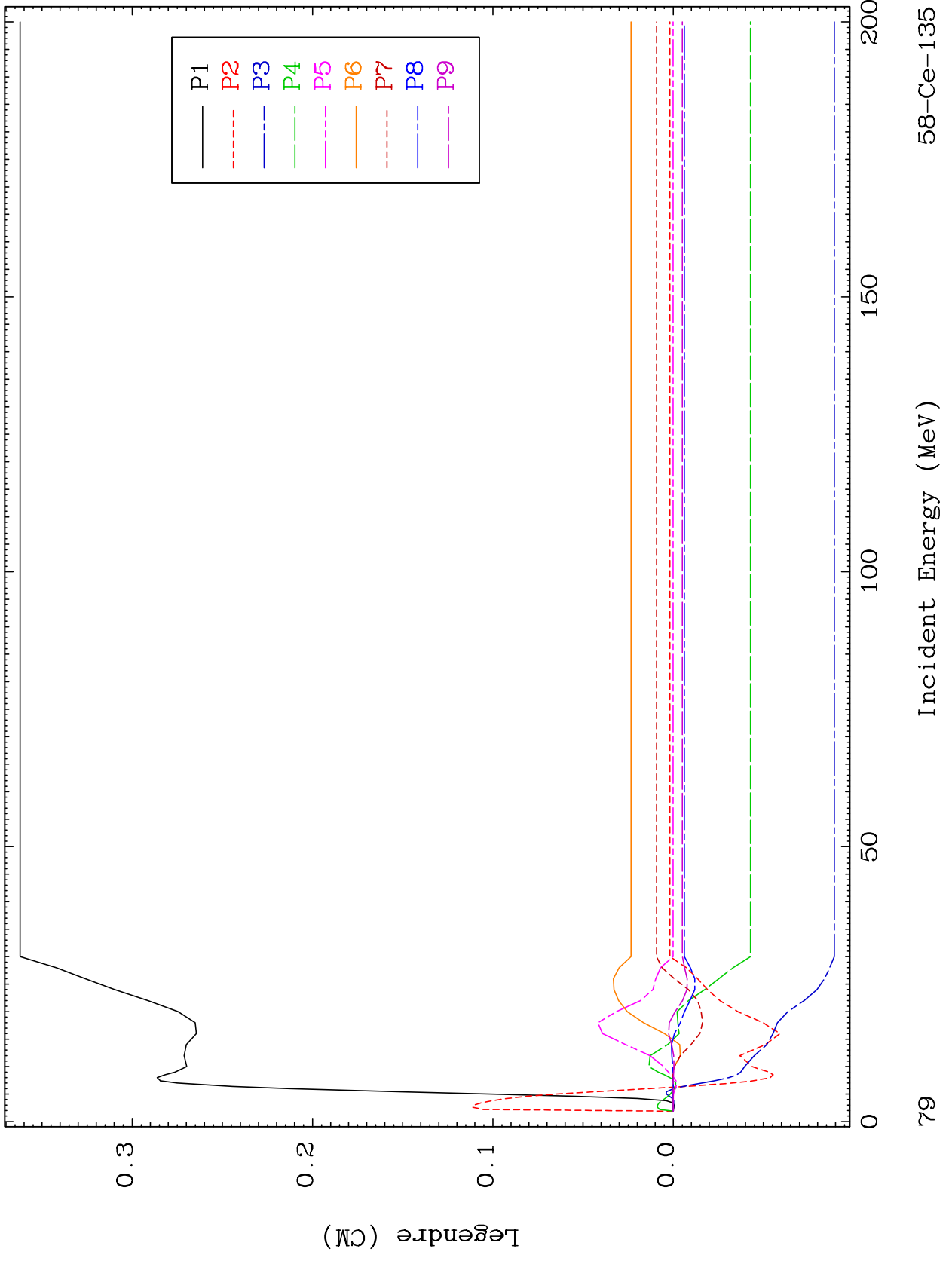
58-Ce-135



MAT 58222

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

58-Ce-135



79

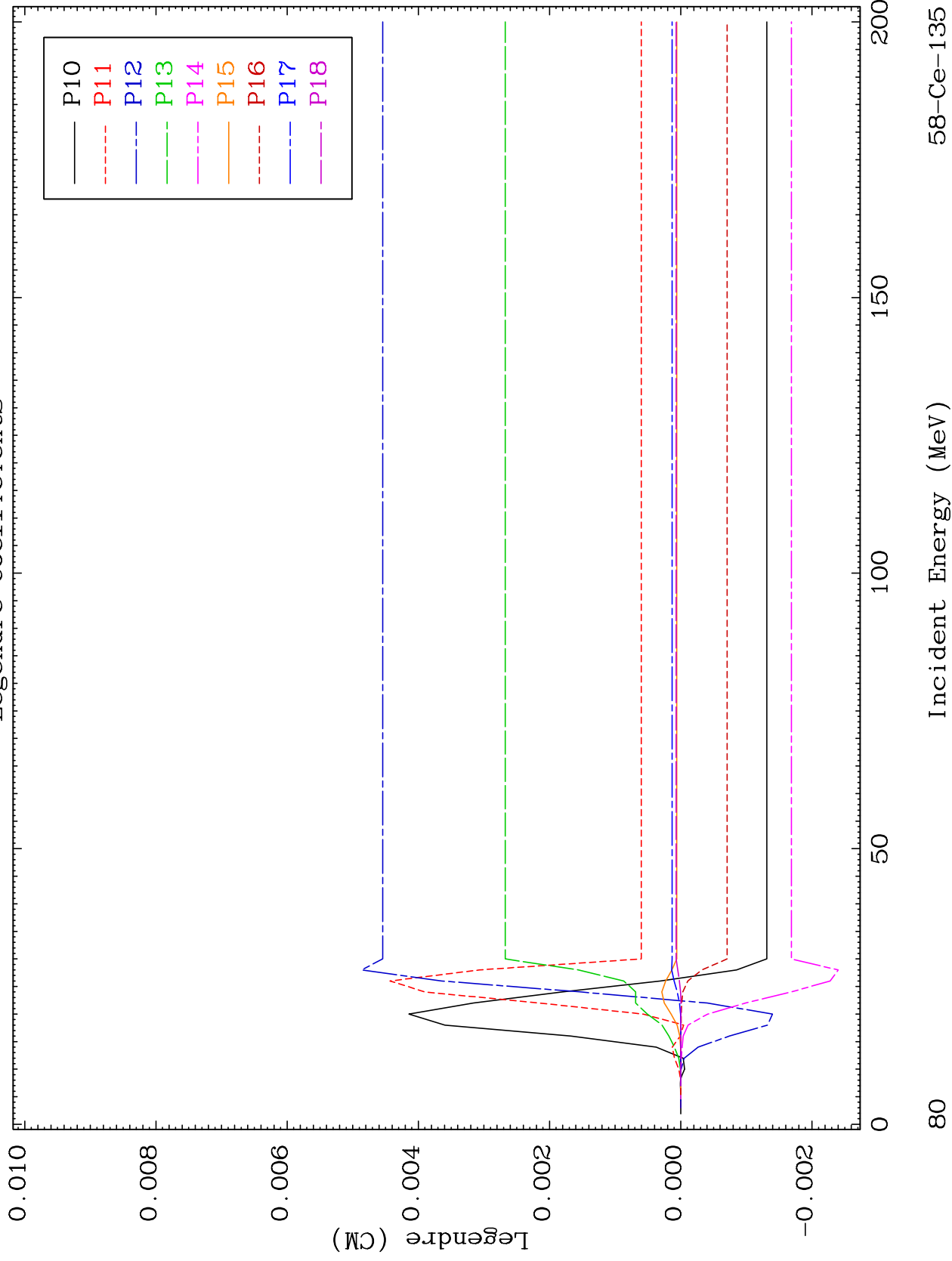
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



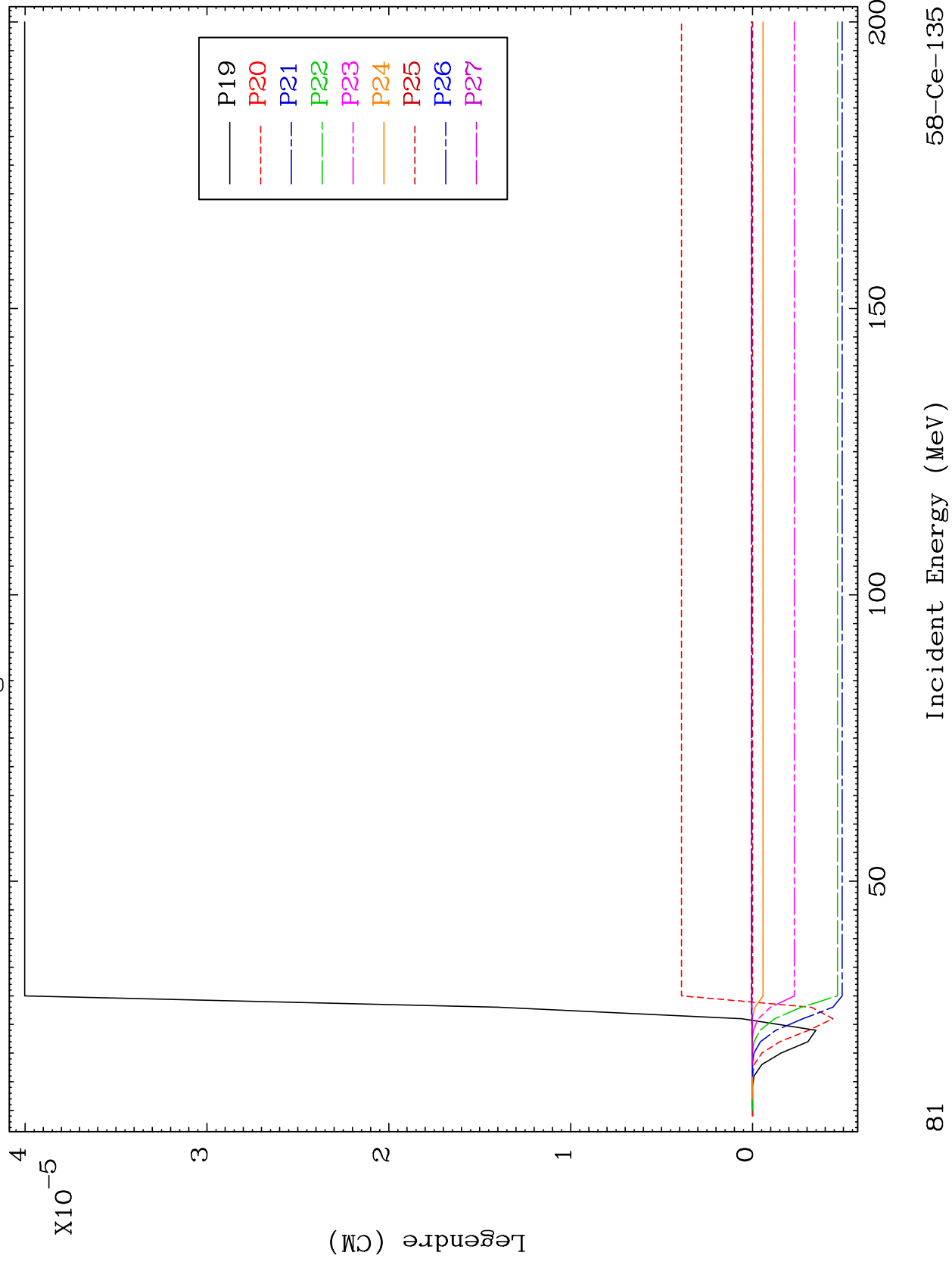
58-Ce-135

Incident Energy (MeV)

MAT 58222

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

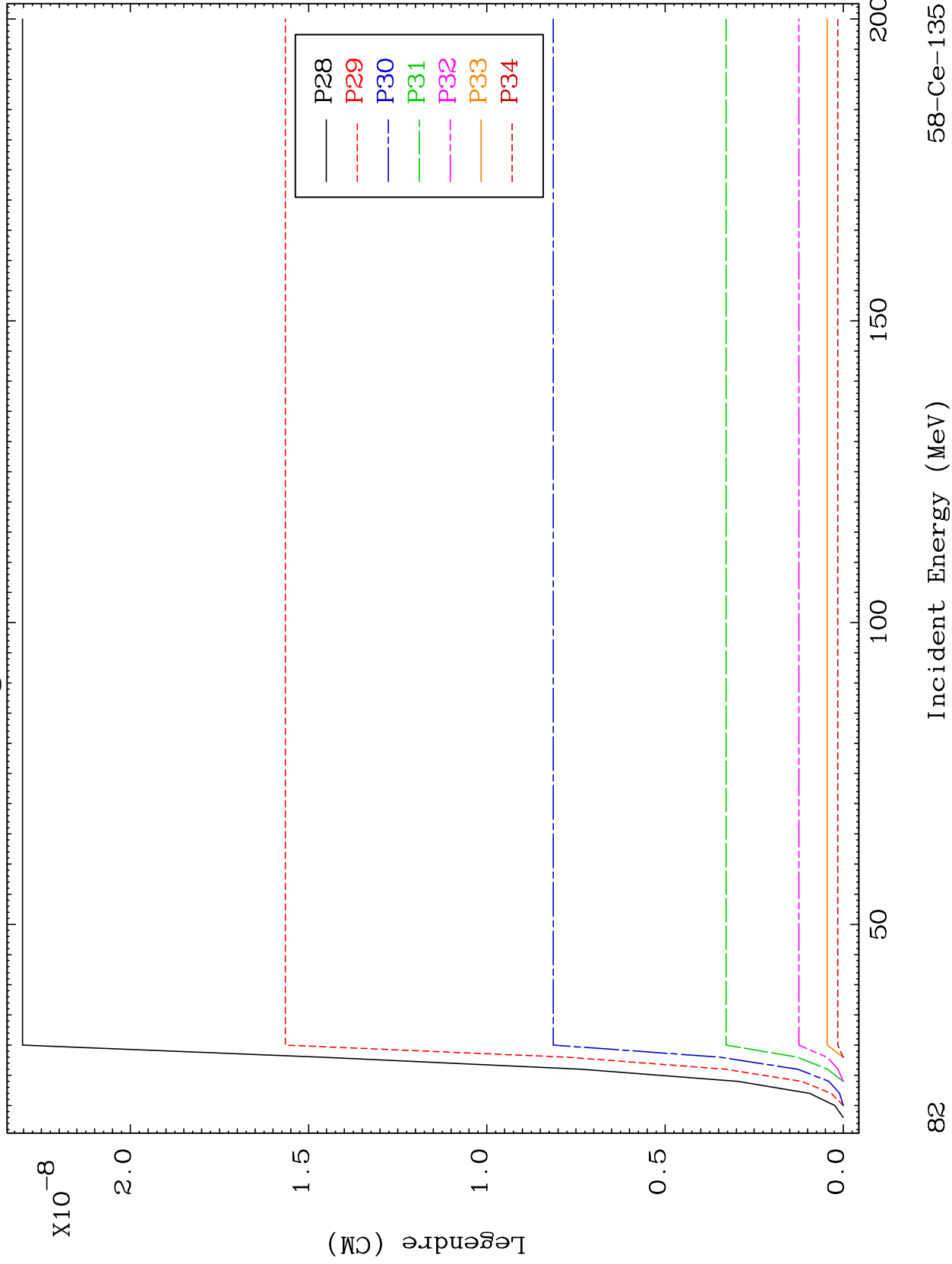
58-Ce-135



MAT 5822

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

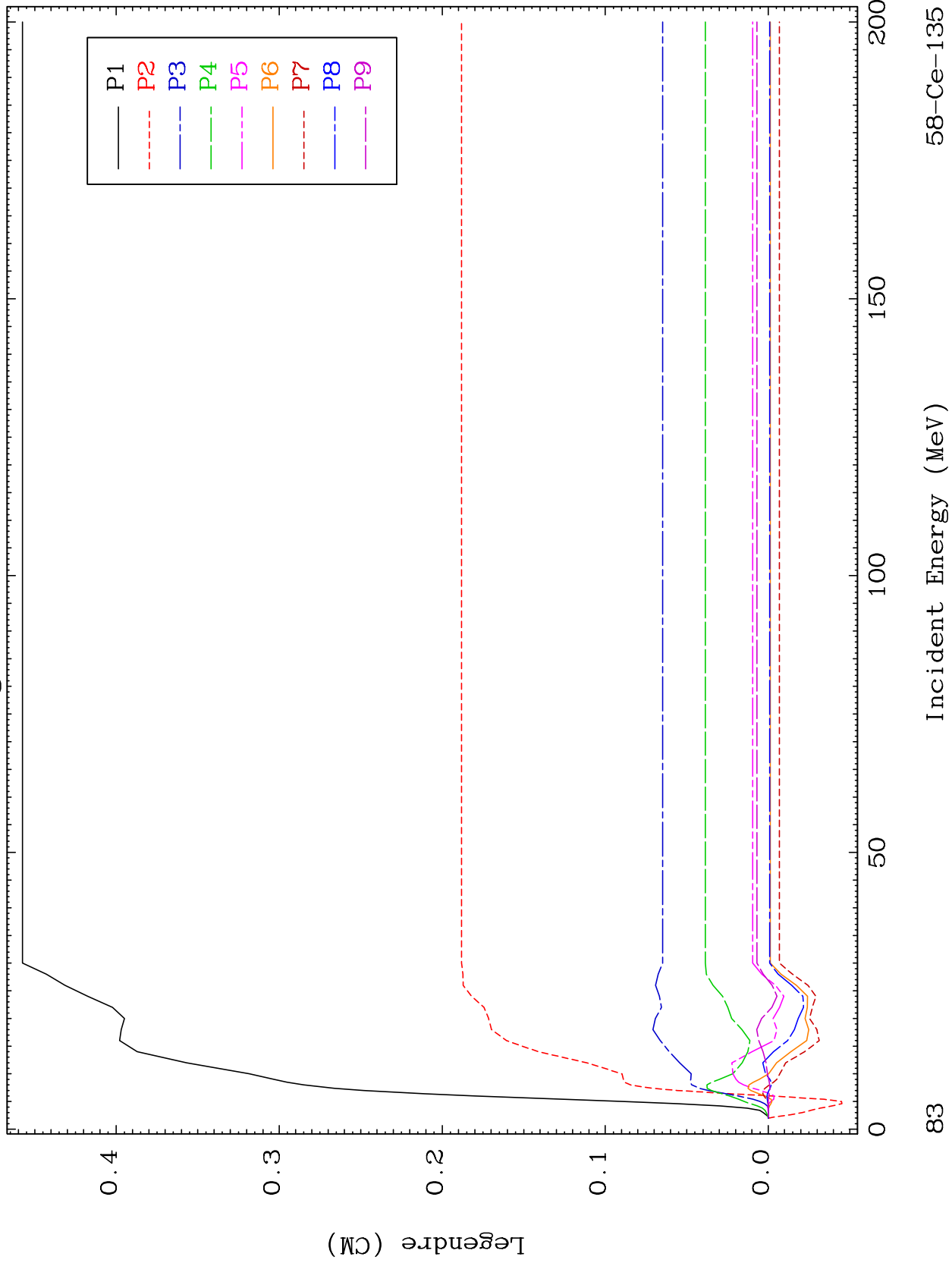
58-Ce-135



MAT 58222

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

58-Ce-135



58-Ce-135

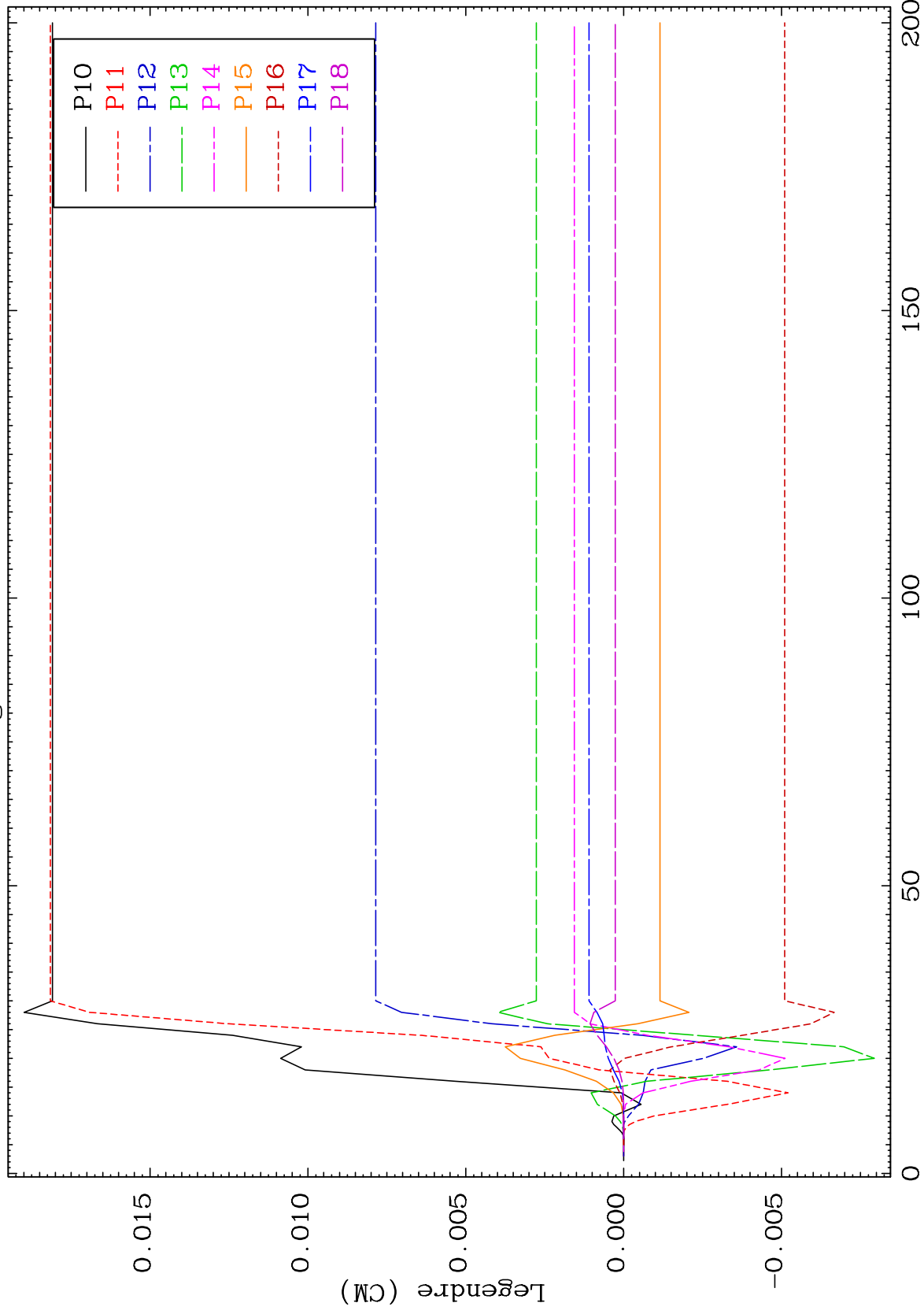
Incident Energy (MeV)

83

MAT 5822

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

58-Ce-135



84

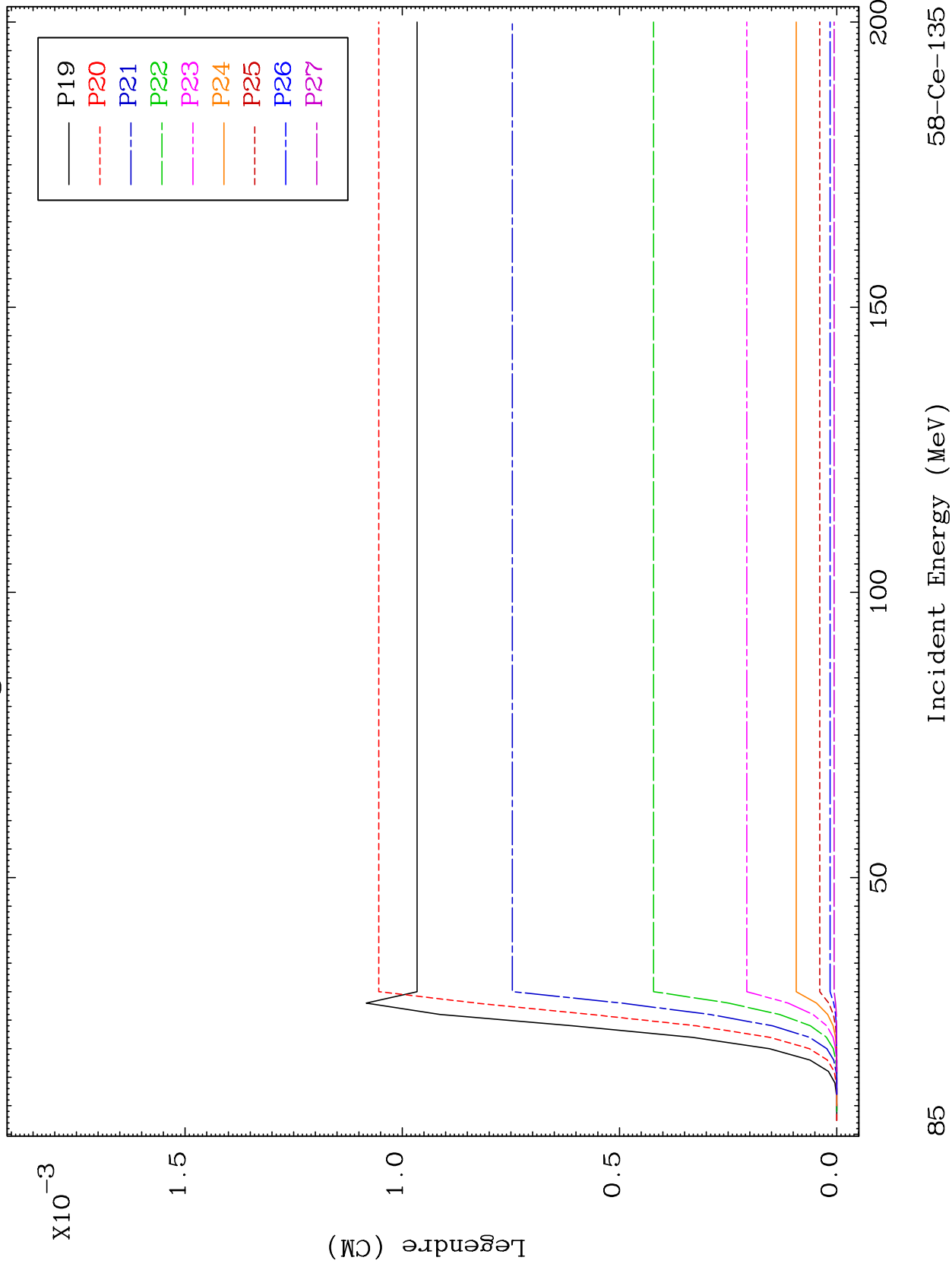
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



85

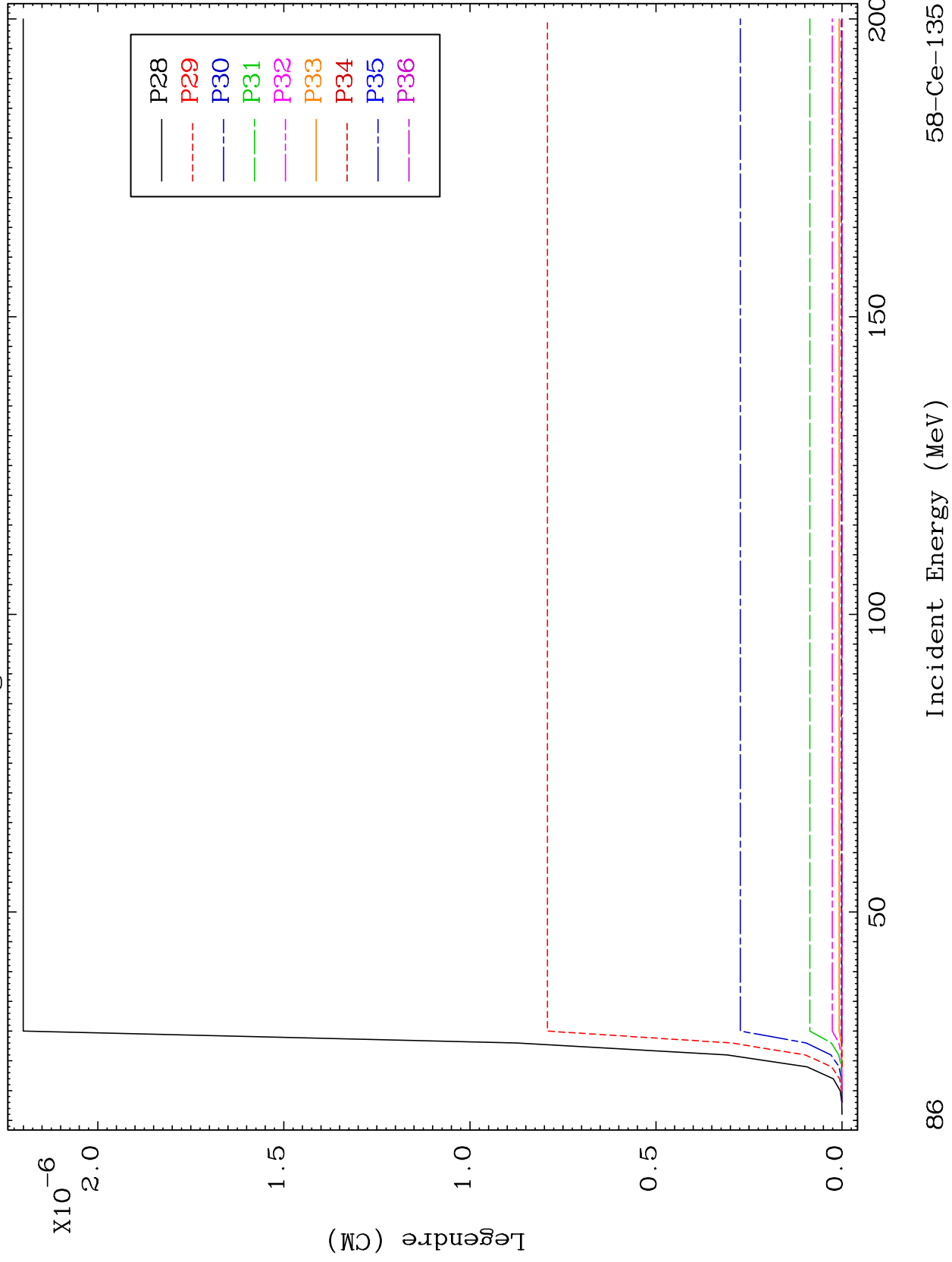
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

58-Ce-135



86

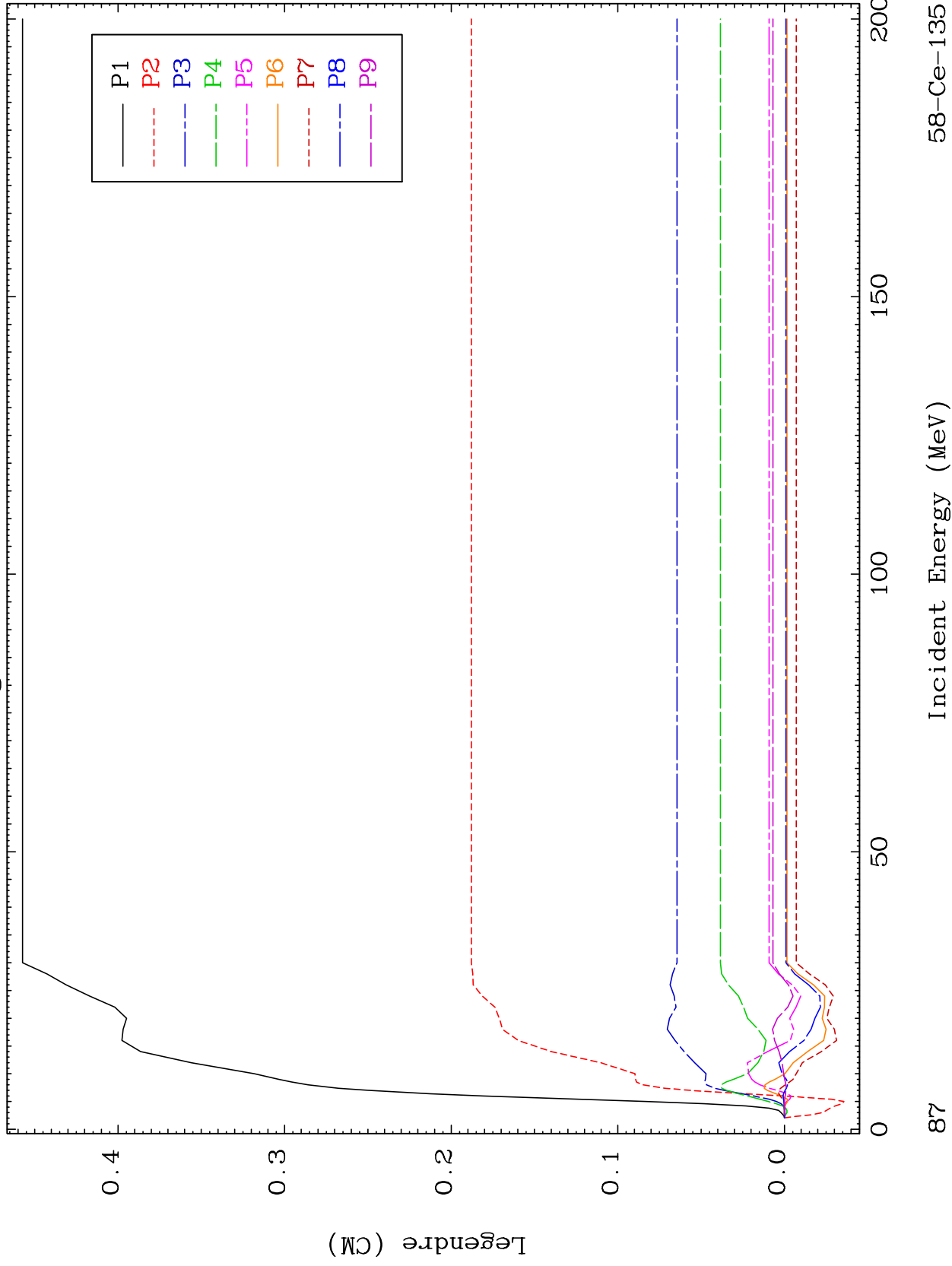
Incident Energy (MeV)

58-Ce-135

MAT 58222

MT= 68 (n,n') Level
Legendre Coefficients

58-Ce-135



58-Ce-135

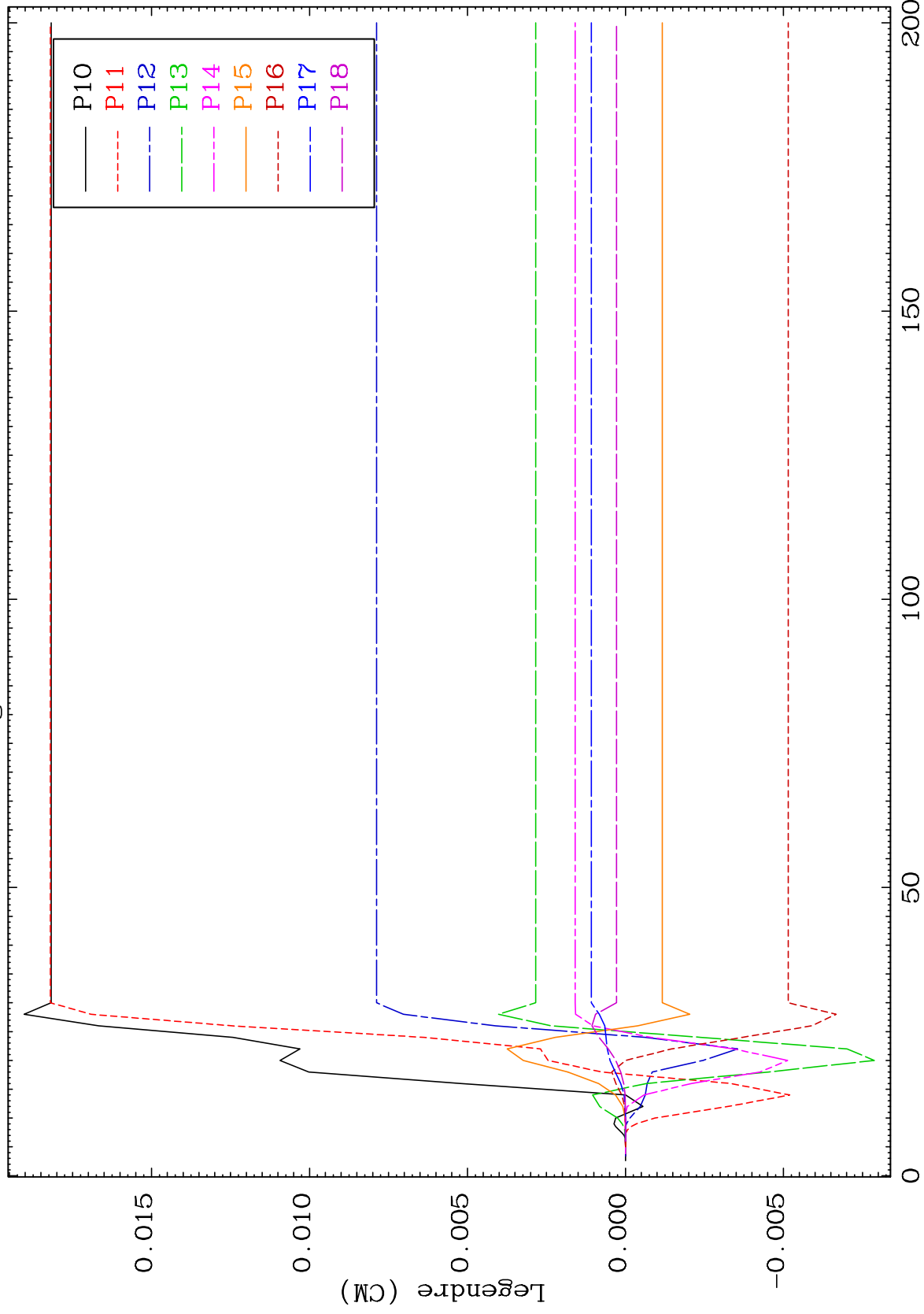
Incident Energy (MeV)

87

MAT 5822

MT= 68 (n,n') Level
Legendre Coefficients

58-Ce-135



88

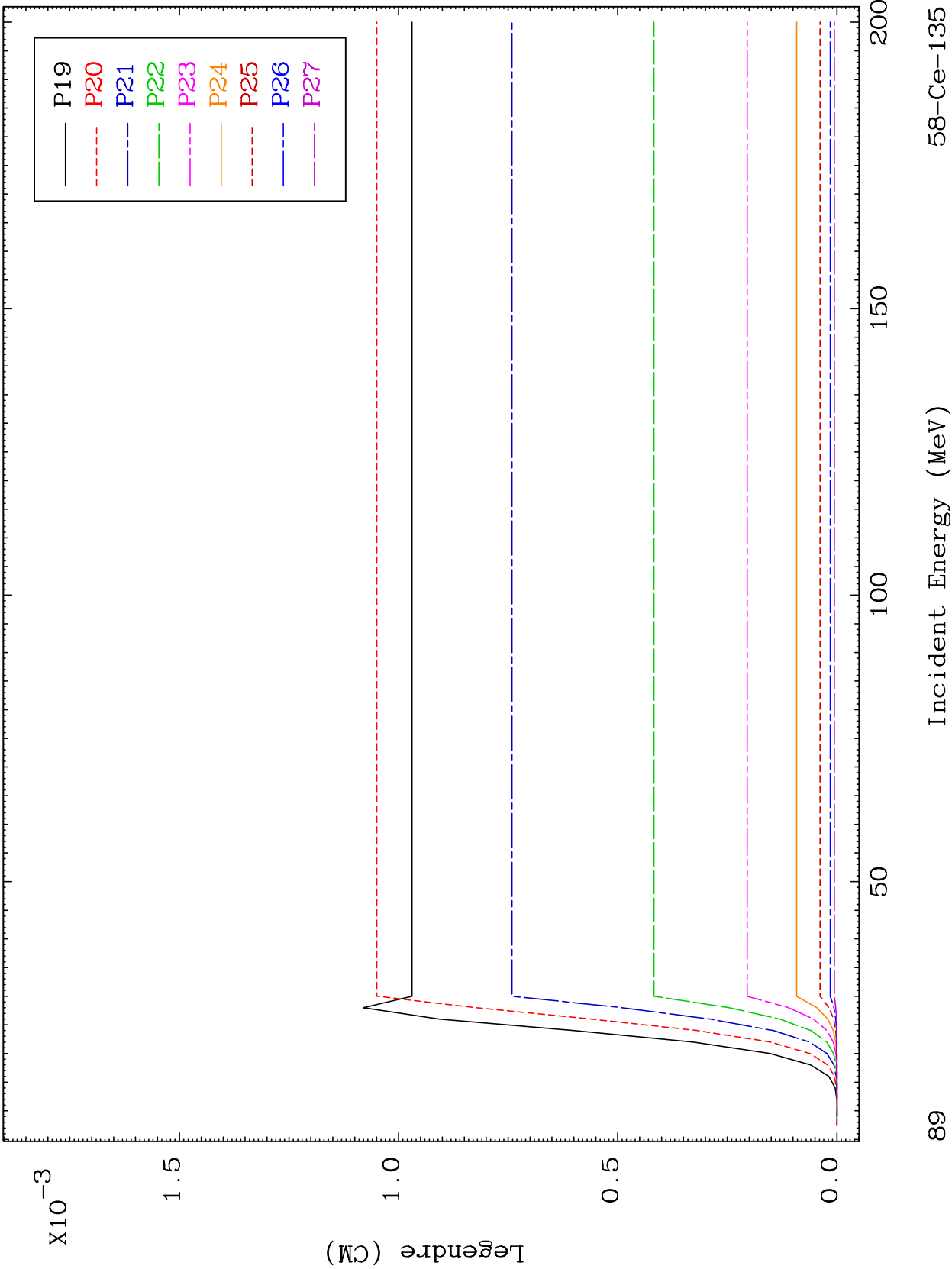
Incident Energy (MeV)

58-Ce-135

MAT 5822

MT= 68 (n,n') Level
Legendre Coefficients

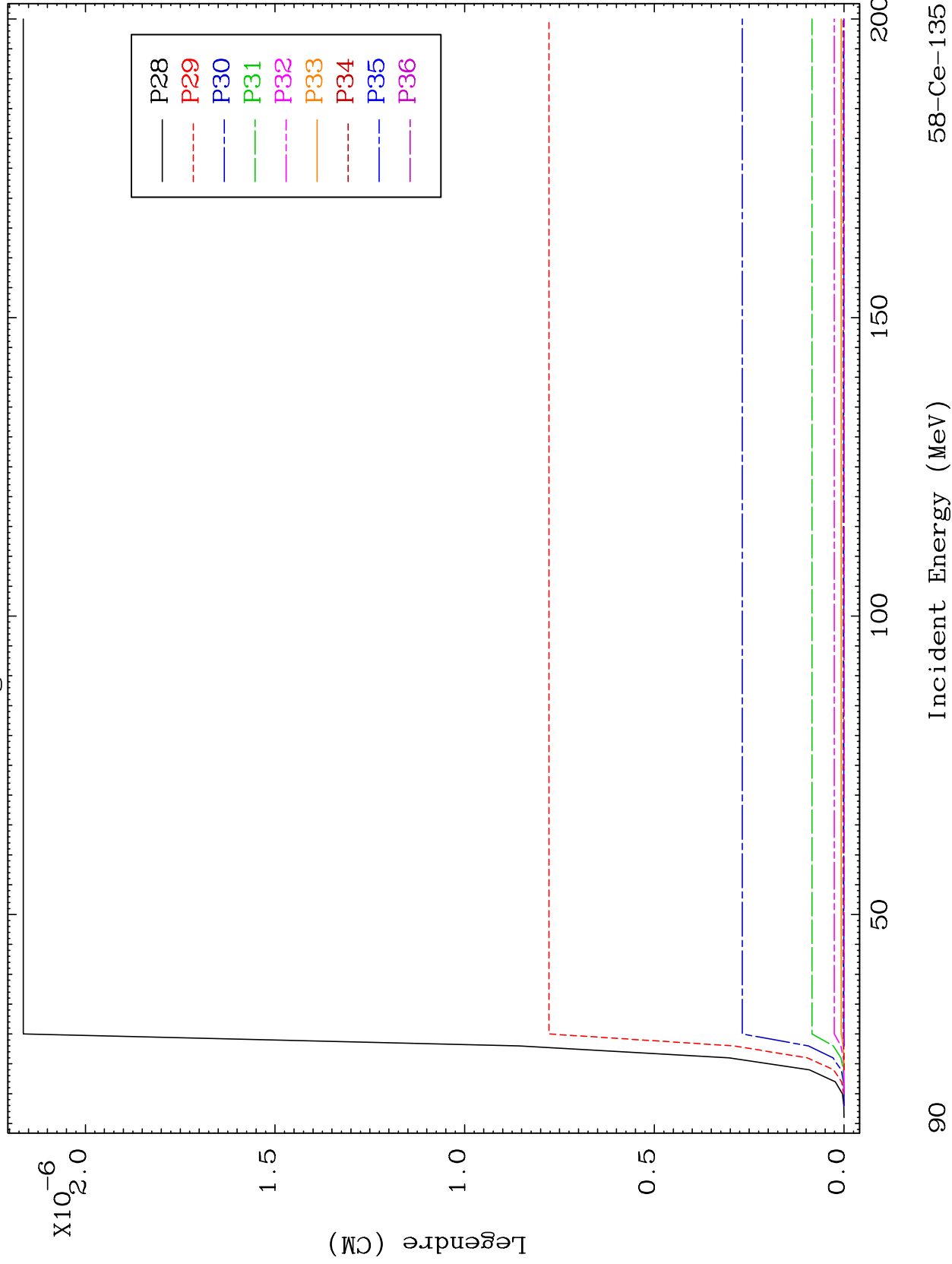
58-Ce-135



MAT 58222

MT= 68 (n,n') Level
Legendre Coefficients

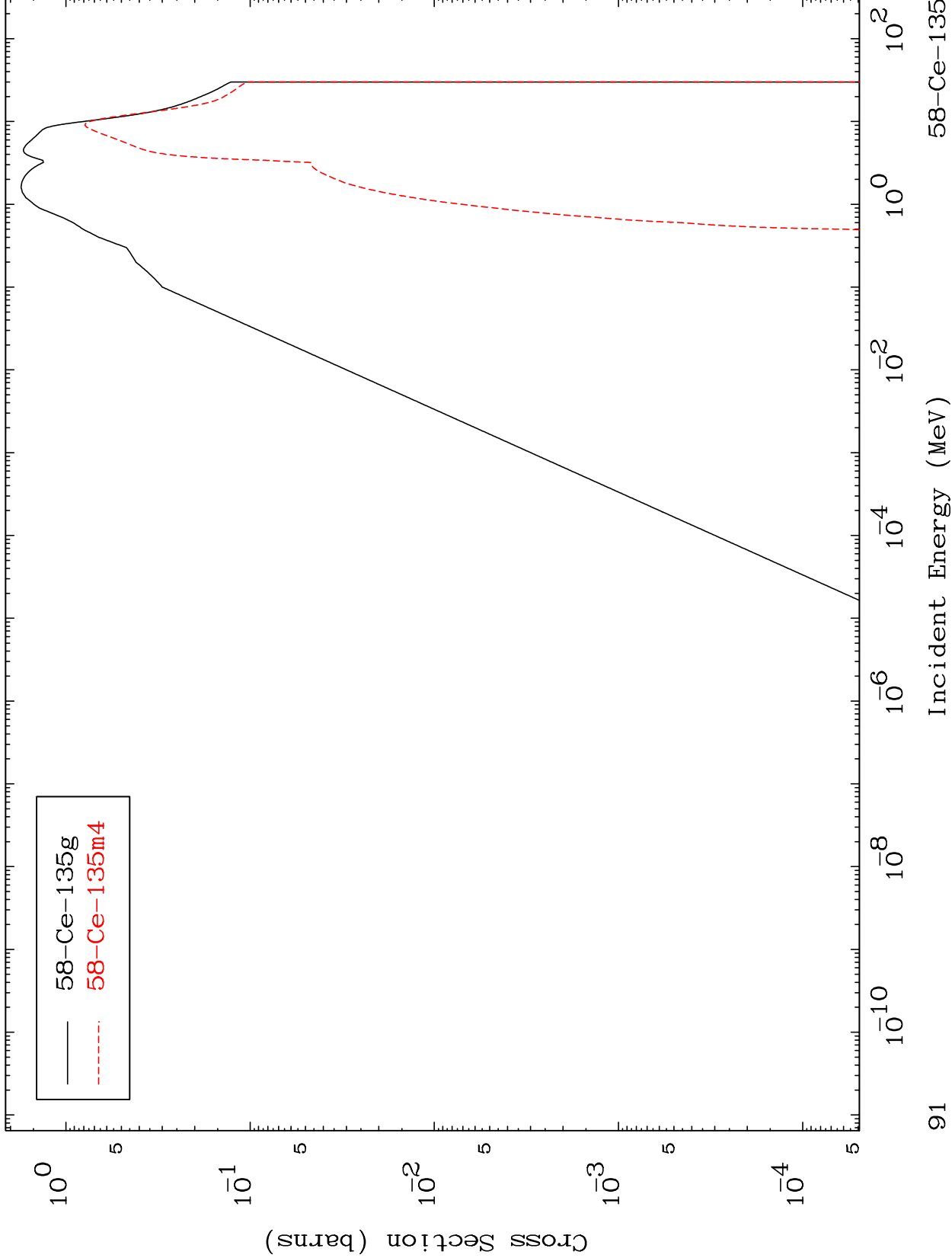
58-Ce-135



MAT 5822

Inelastic
Radionuclide Production Cross Section

58-Ce-135

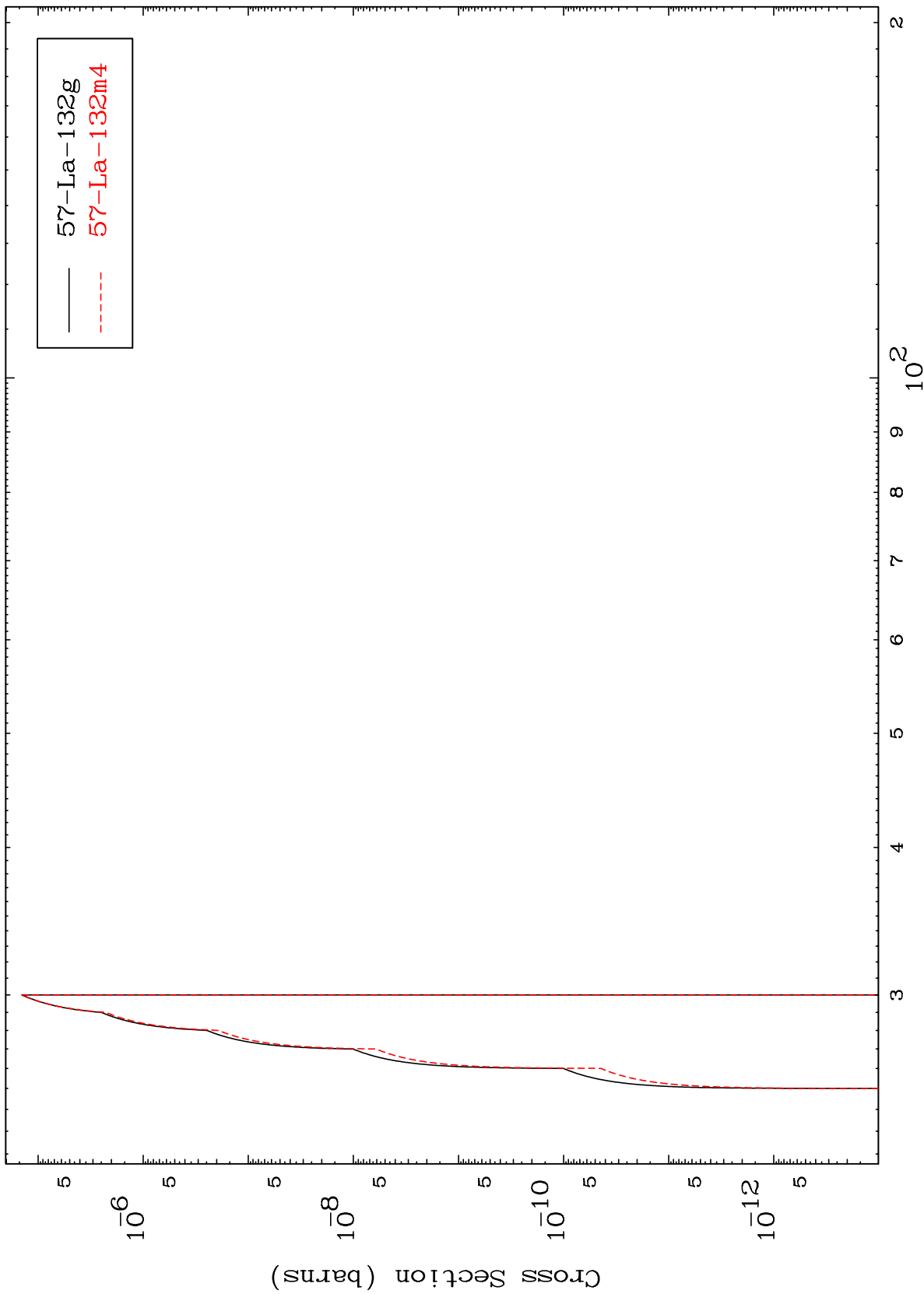


58-Ce-135g
58-Ce-135m4

MAT 5822

58-Ce-135

(n,2n) d
Radionuclide Production Cross Section



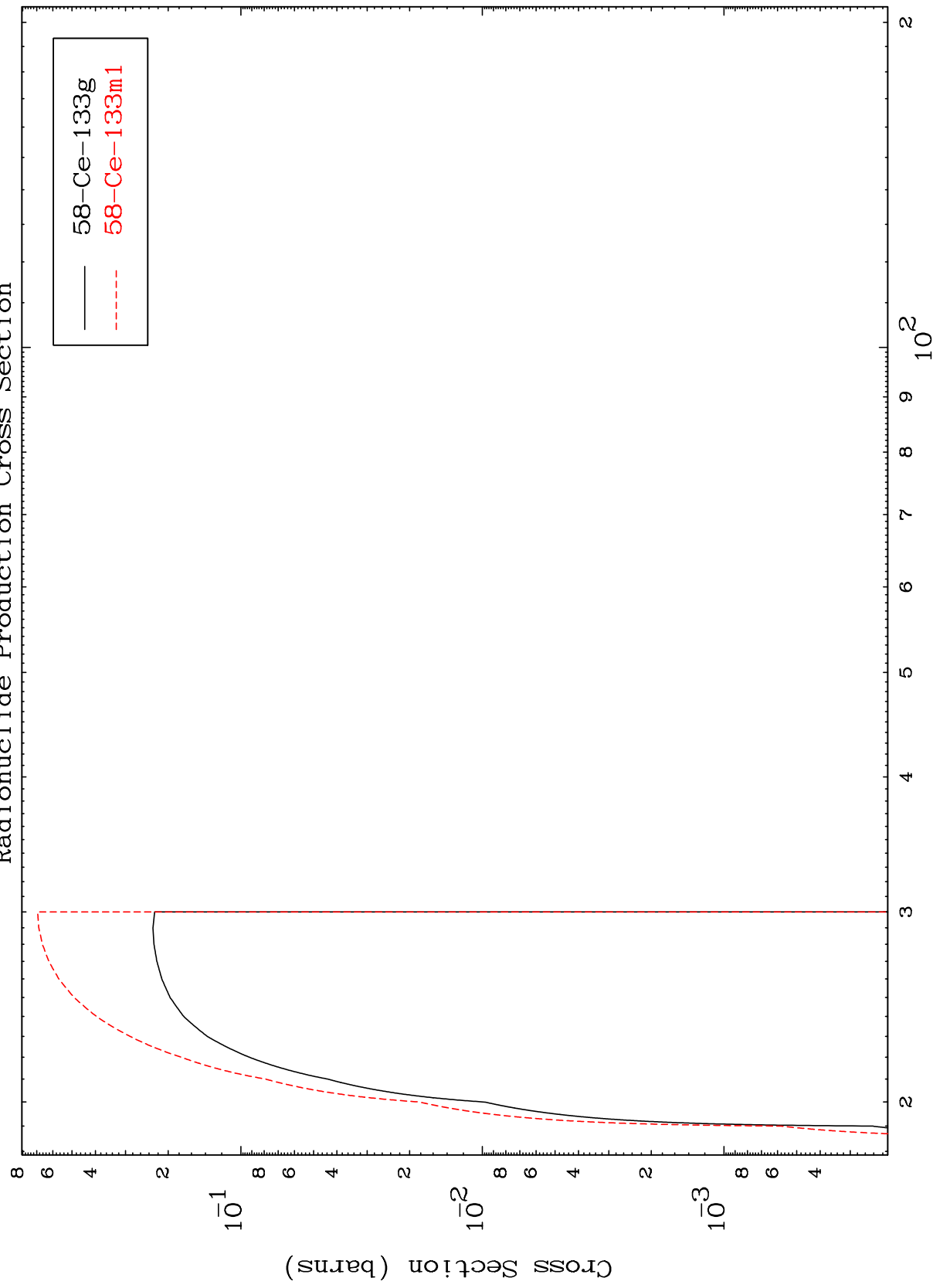
92

58-Ce-135

MAT 58222

58-Ce-135

(n,3n)
Radionuclide Production Cross Section



93

Incident Energy (MeV)

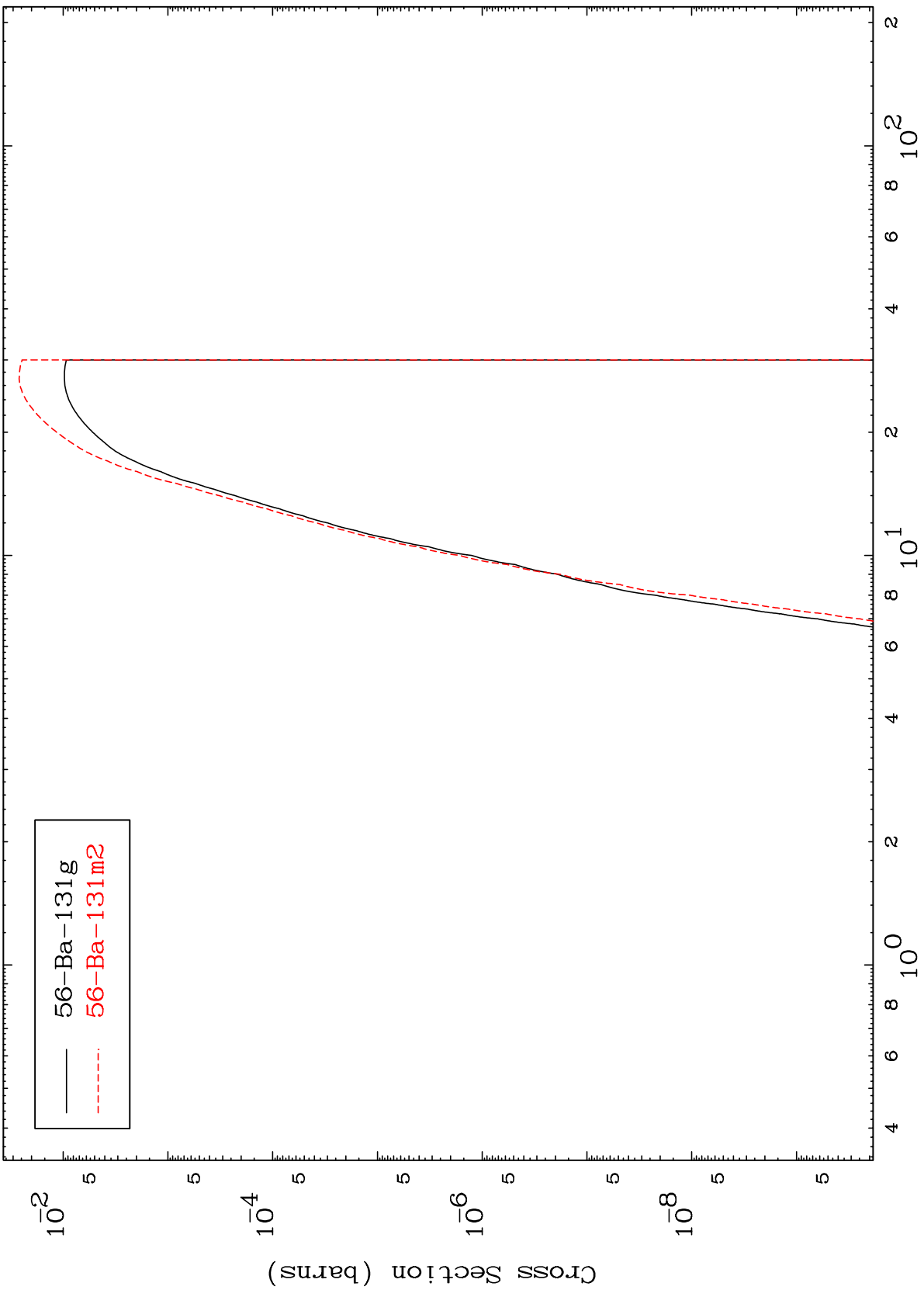
58-Ce-135

MAT 5822

(n,n') α

58-Ce-135

Radionuclide Production Cross Section



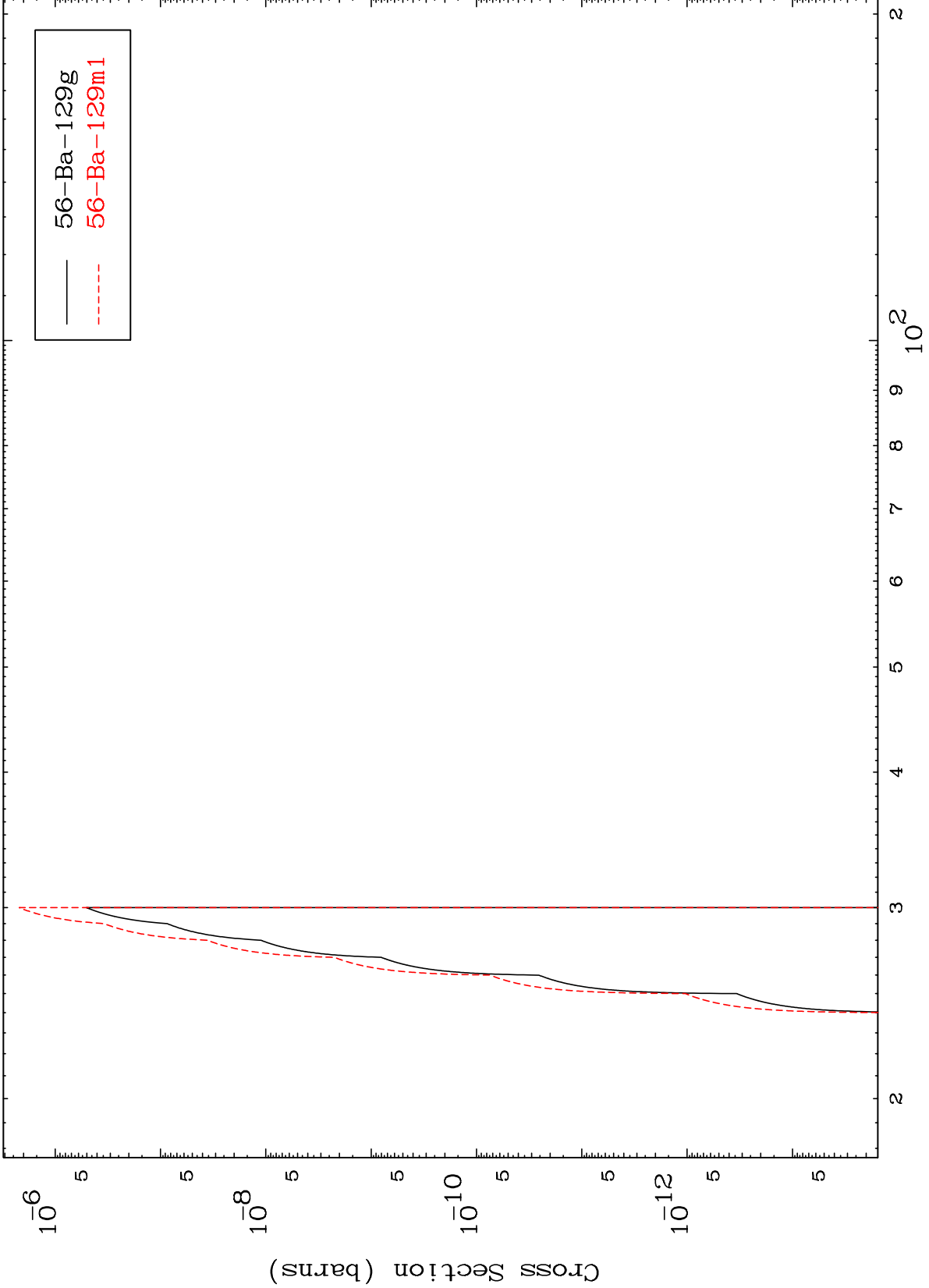
56-Ba-131g
56-Ba-131m2

94

Incident Energy (MeV)

58-Ce-135

Radionuclide Production Cross Section

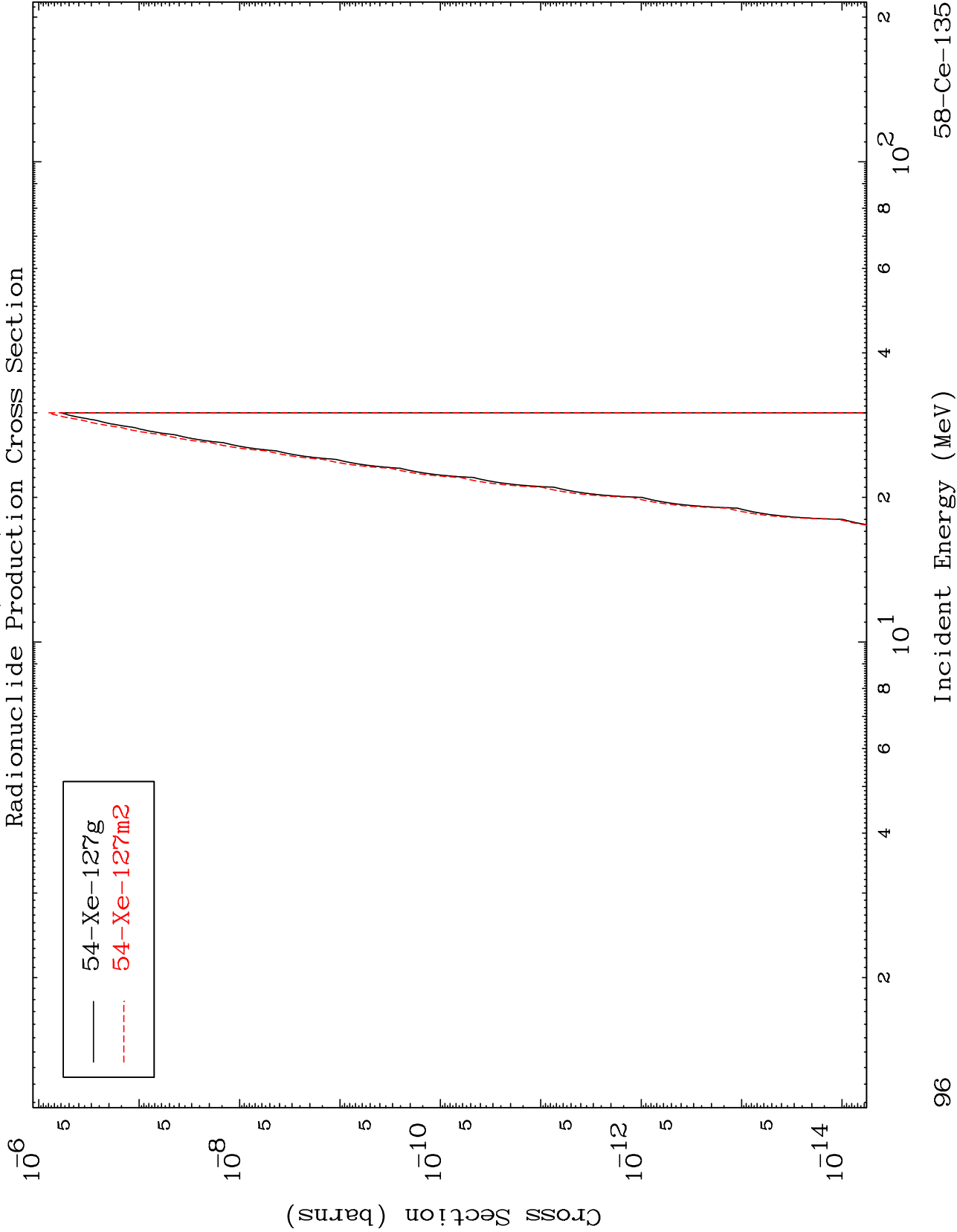


56-Ba-129g
56-Ba-129m1

MAT 5822

(n,n') 2 α

58-Ce-135

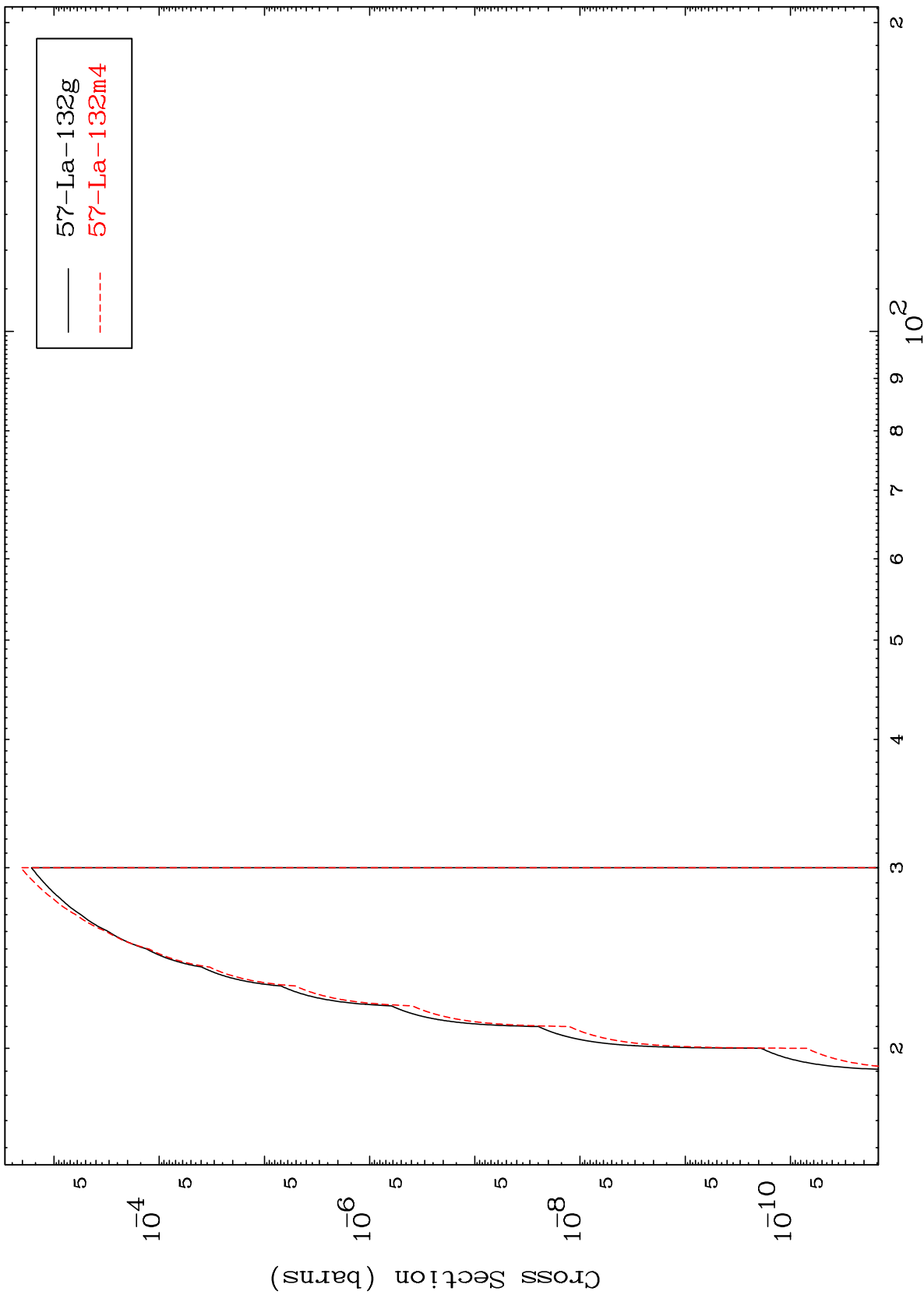


MAT 5822

(n,n') t

58-Ce-135

Radionuclide Production Cross Section

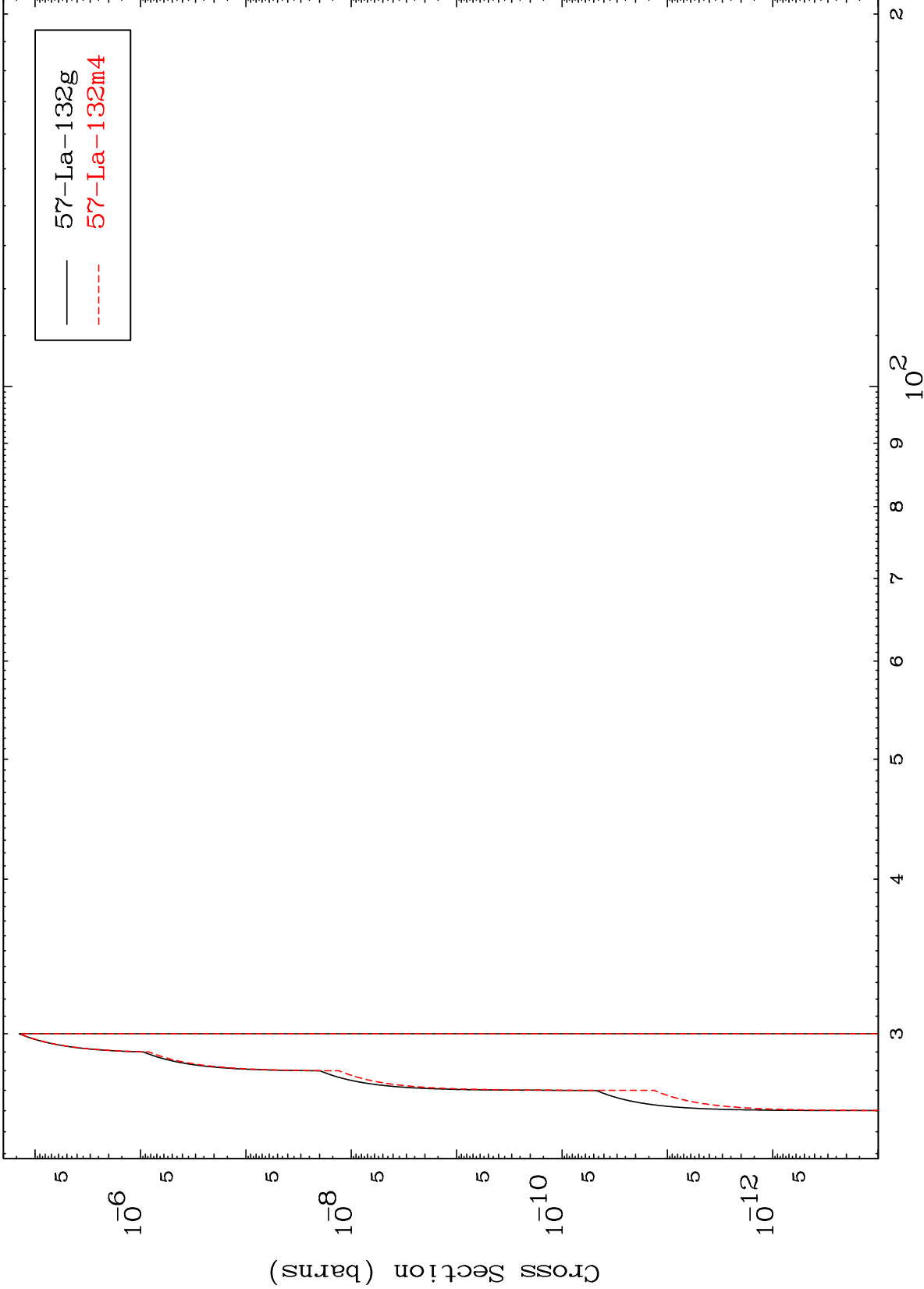


97

Incident Energy (MeV)

58-Ce-135

Radionuclide Production Cross Section

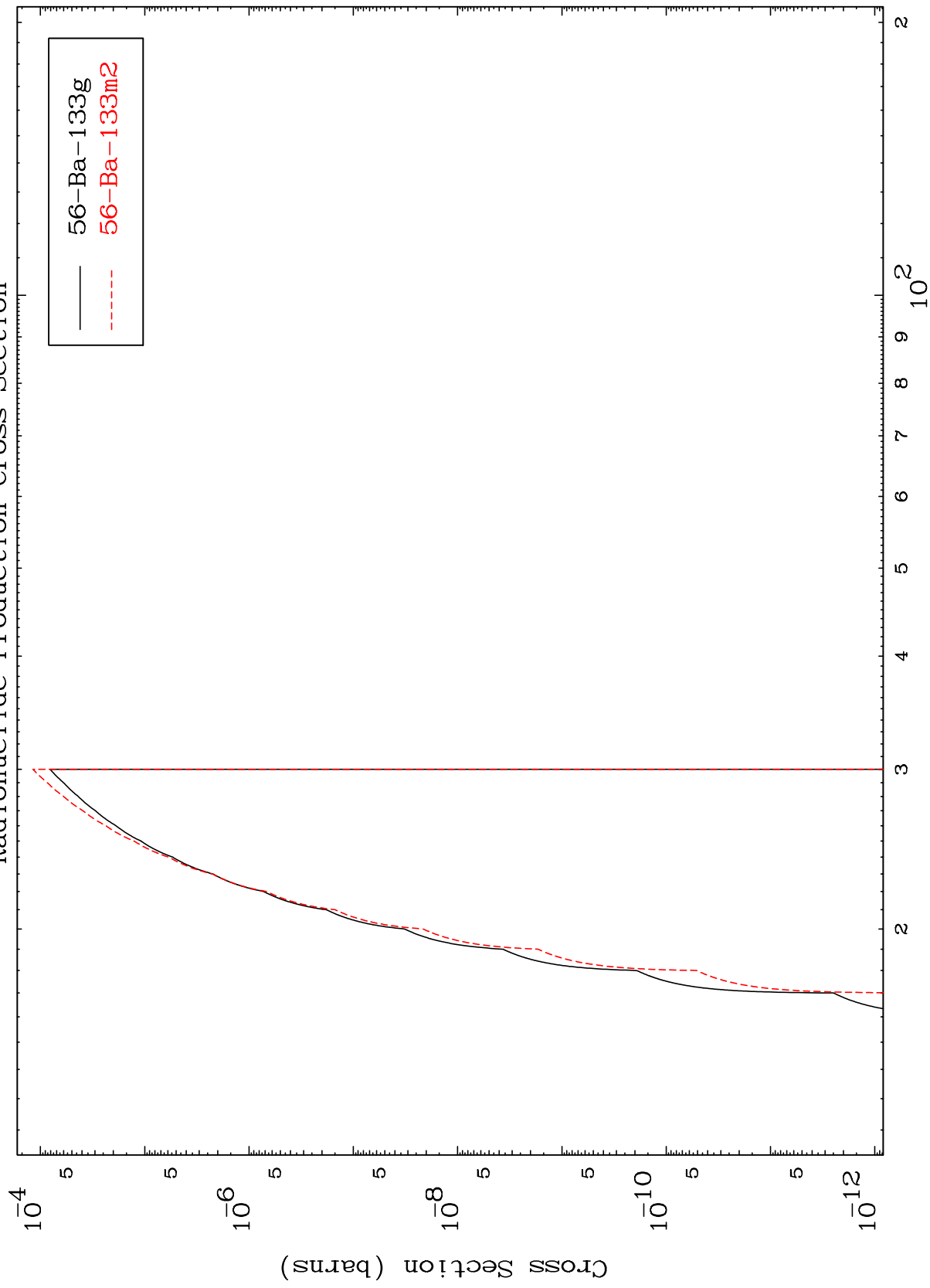


57-La-132g
57-La-132m4

MAT 5822

58-Ce-135

(n,2n) p
Radionuclide Production Cross Section



99

Incident Energy (MeV)

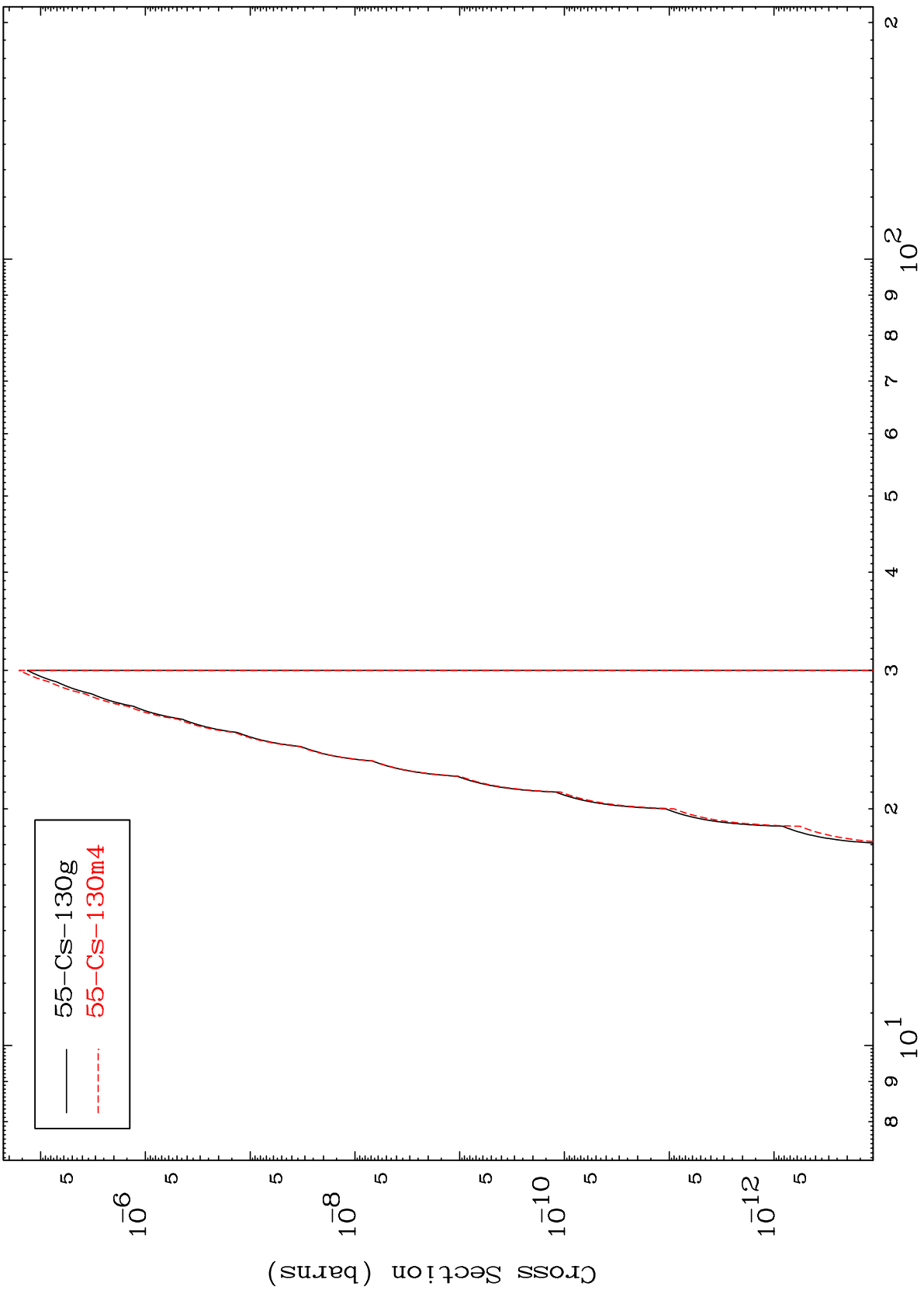
58-Ce-135

MAT 5822

(n,n') p α

58-Ce-135

Radionuclide Production Cross Section



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

100

Incident Energy (MeV)

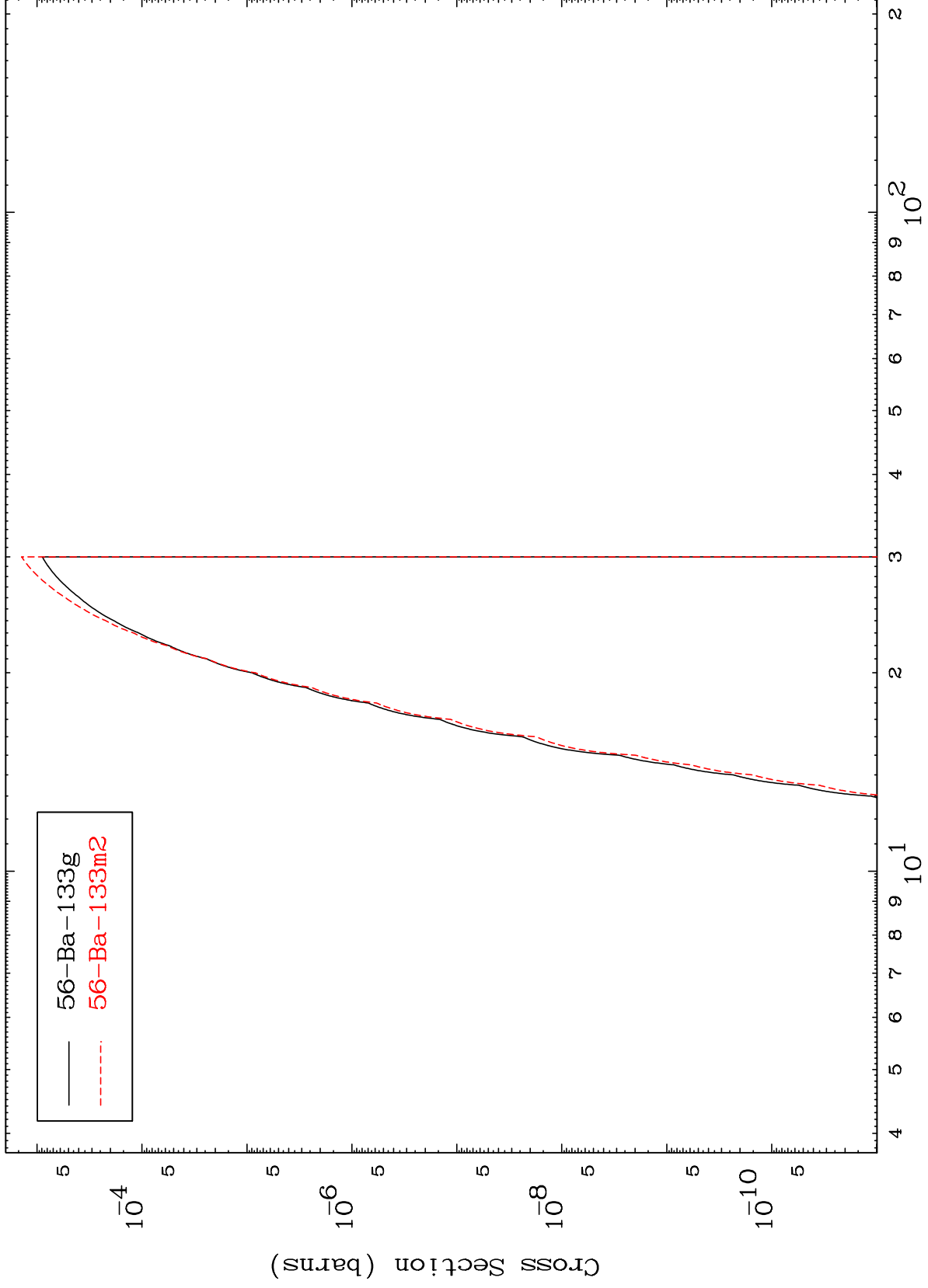
58-Ce-135

MAT 5822

(n,He-3)

58-Ce-135

Radionuclide Production Cross Section



101

Incident Energy (MeV)

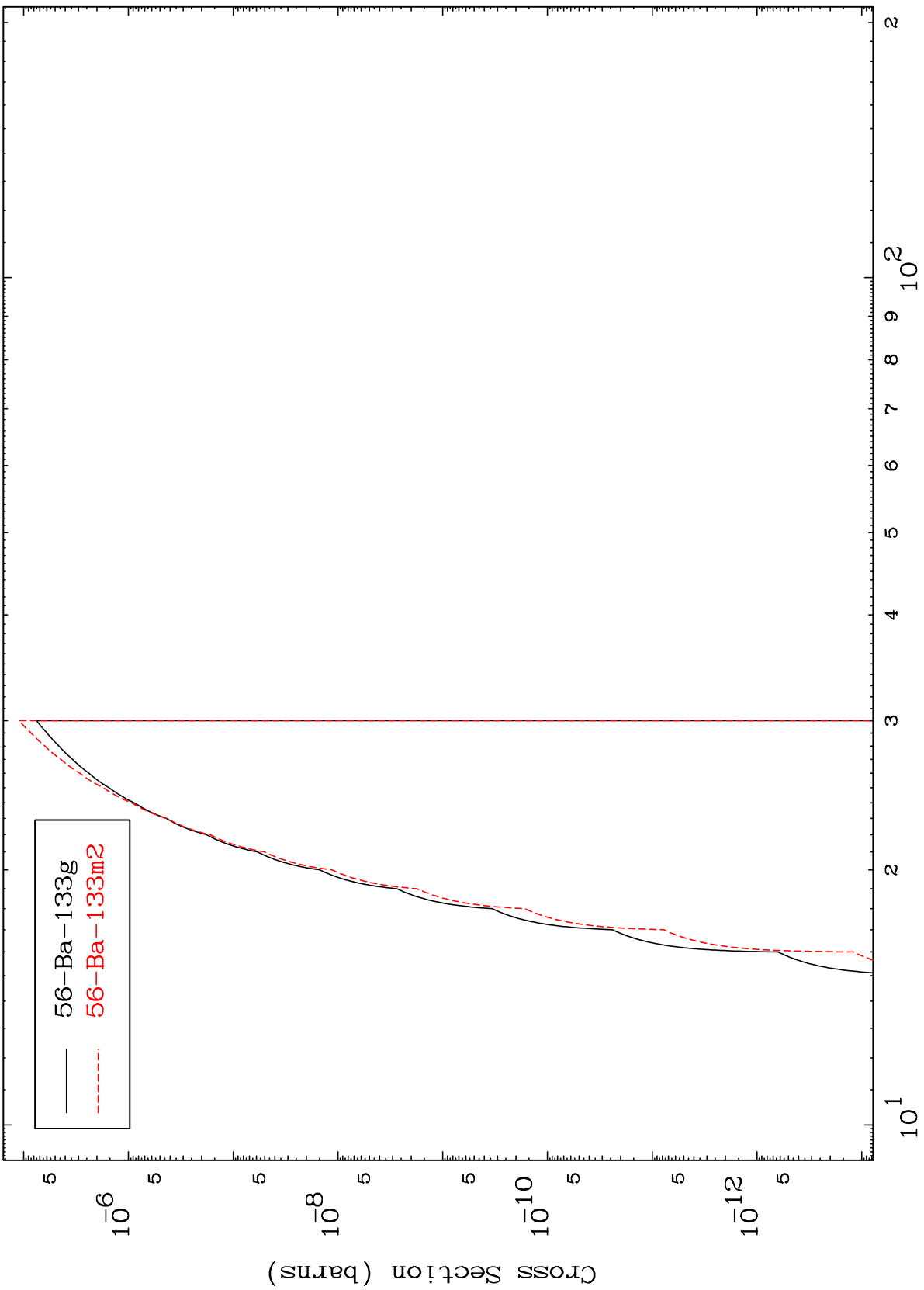
58-Ce-135

MAT 5822

(n,p) d

58-Ce-135

Radionuclide Production Cross Section



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

Incident Energy (MeV)

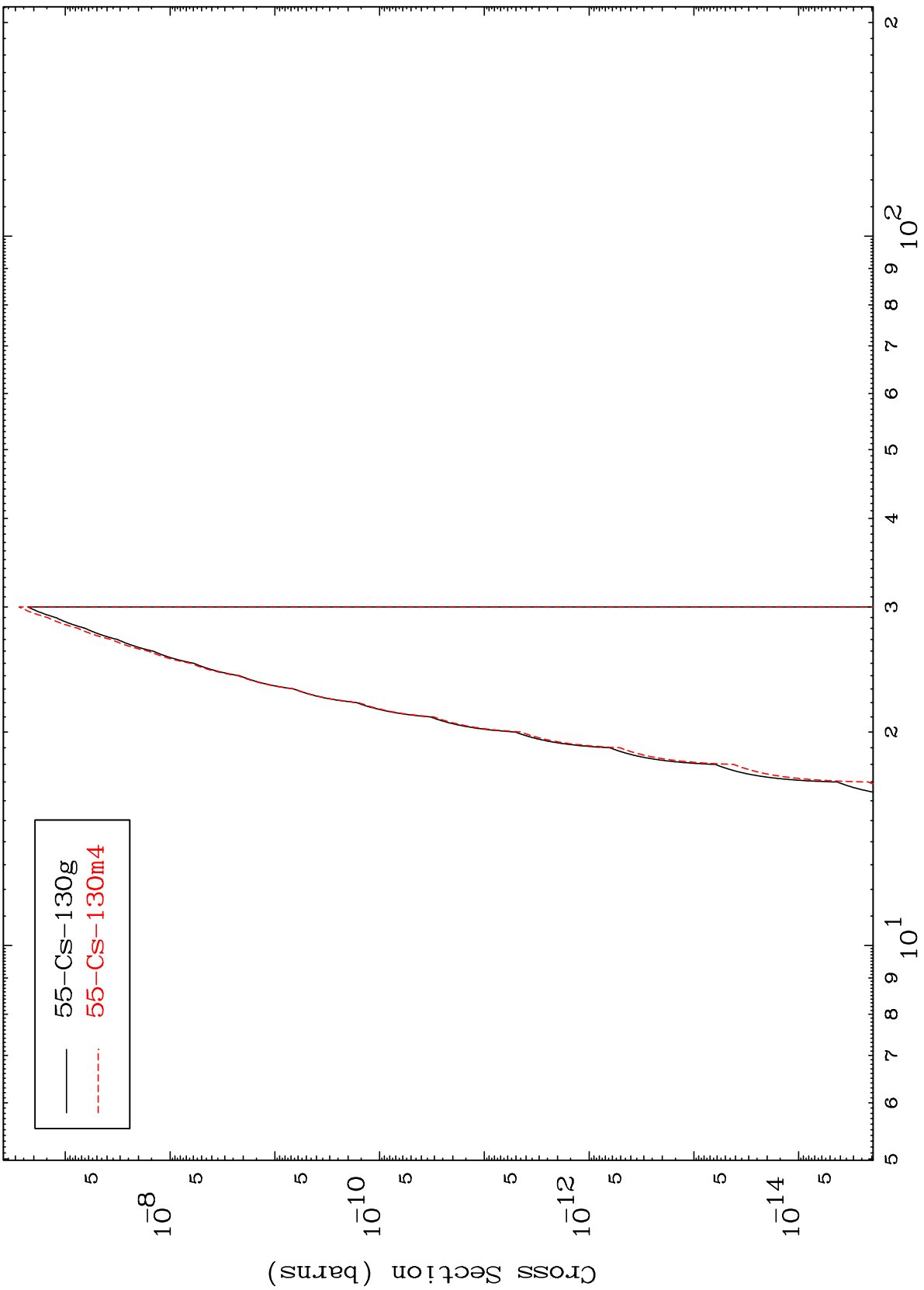
58-Ce-135

MAT 5822

(n,d) α

58-Ce-135

Radionuclide Production Cross Section



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

103

Incident Energy (MeV)

58-Ce-135