

Program EVALPLOT
(Version 2018-1)

by

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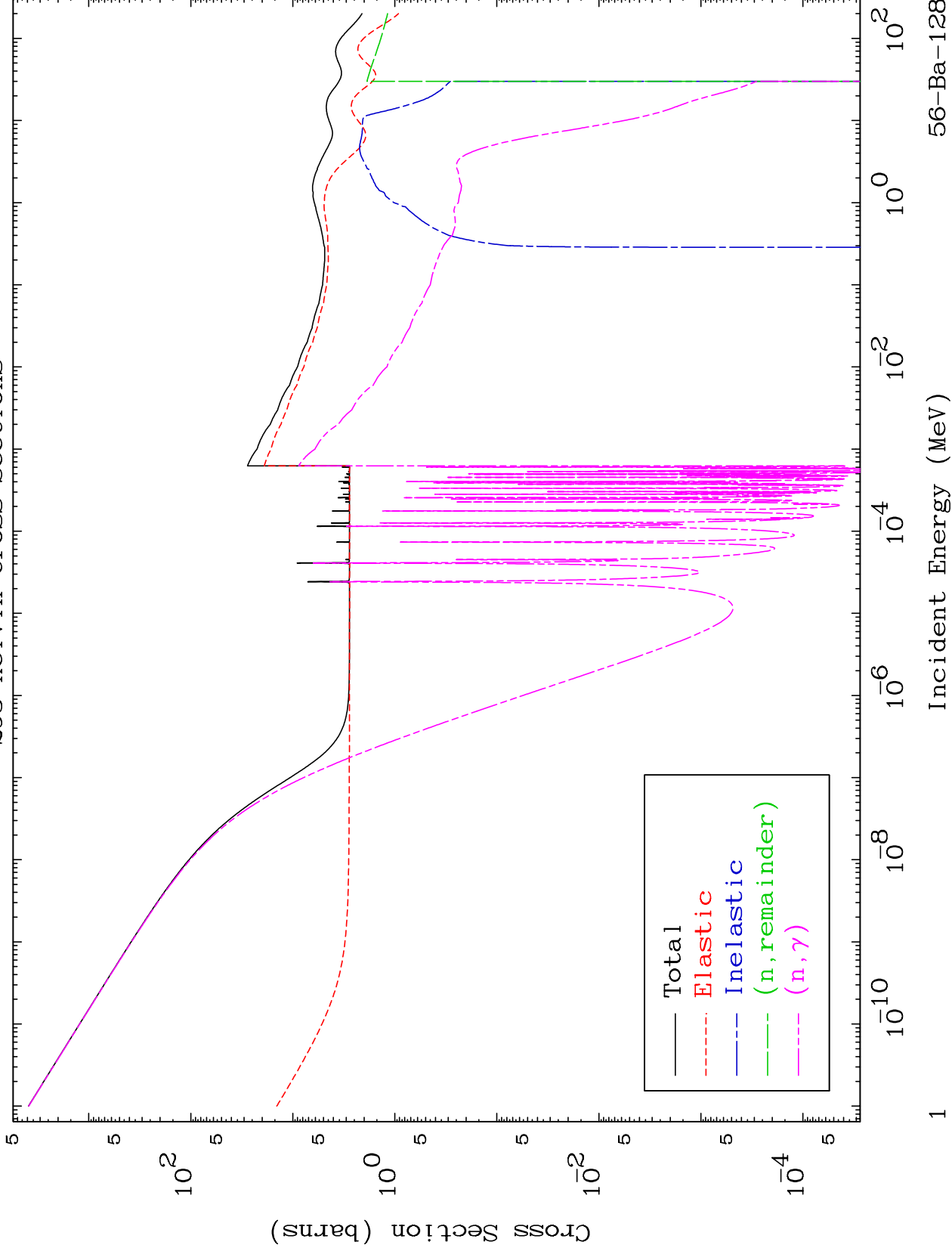
Press Mouse Button to Start

MAT 5619

Major

293 Kelvin Cross Sections

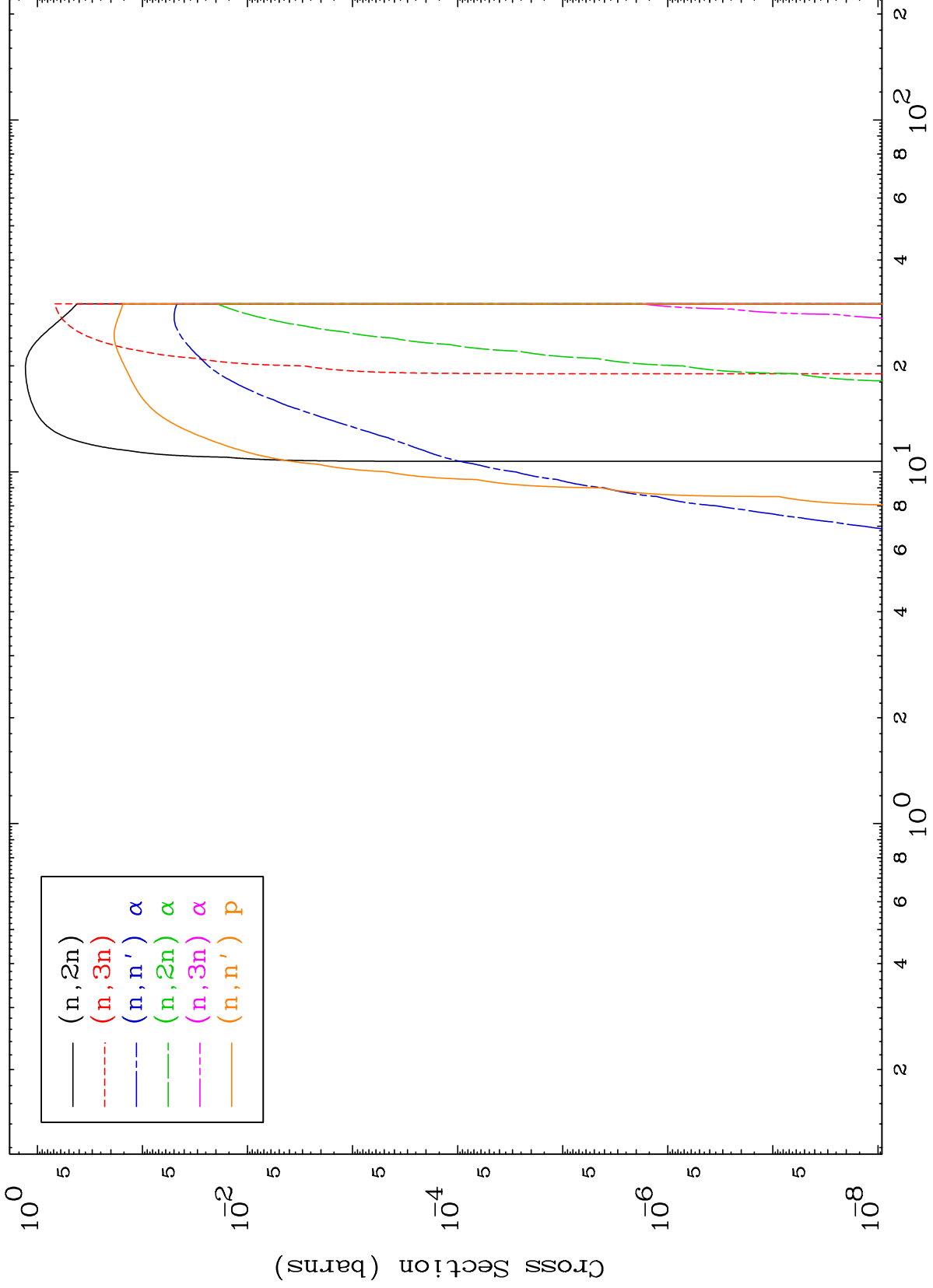
56-Ba-128



MAT 5619

Neutron Production
293 Kelvin Cross Sections

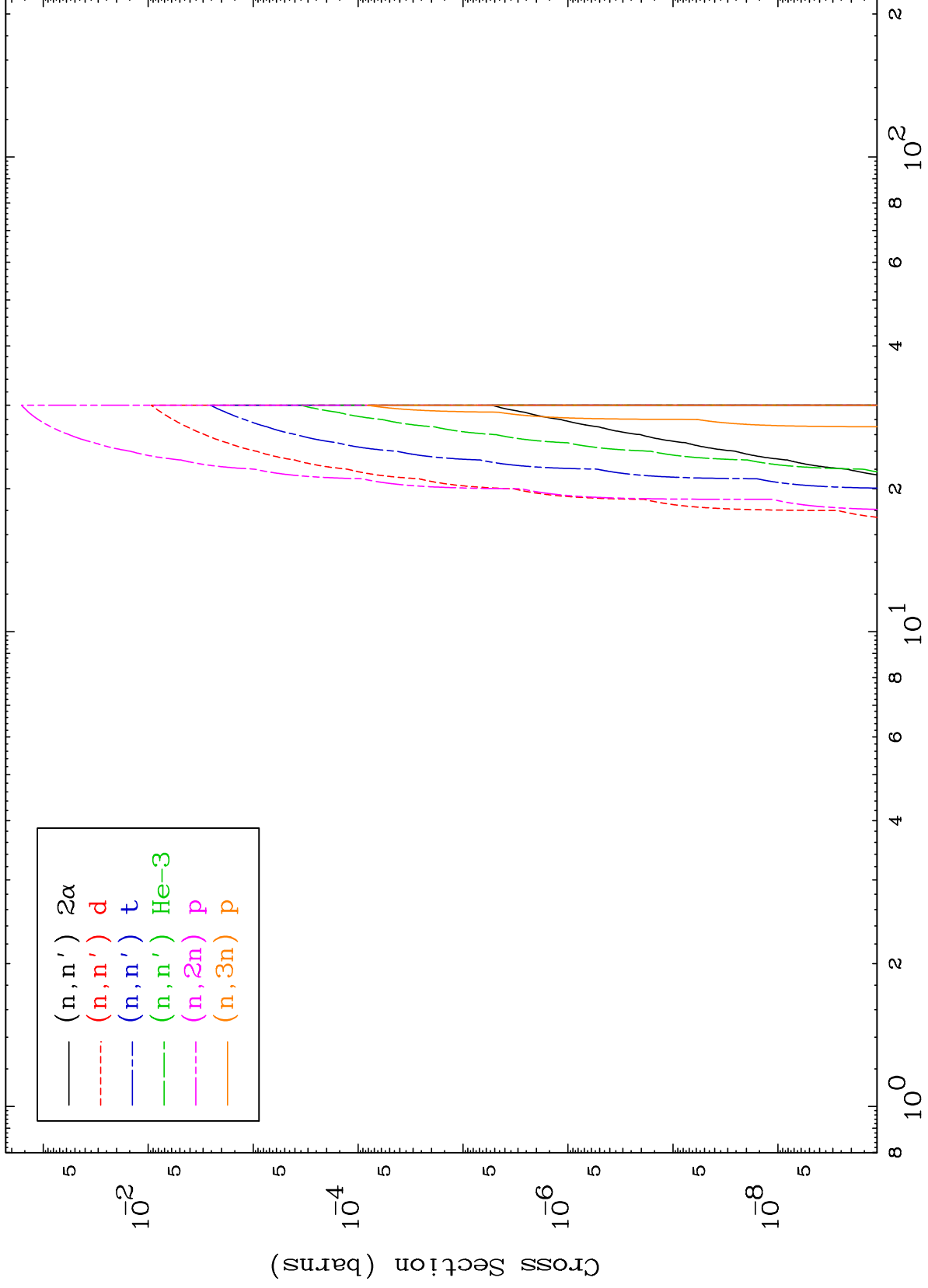
56-Ba-128



MAT 5619

Neutron Production
293 Kelvin Cross Sections

56-Ba-128



56-Ba-128

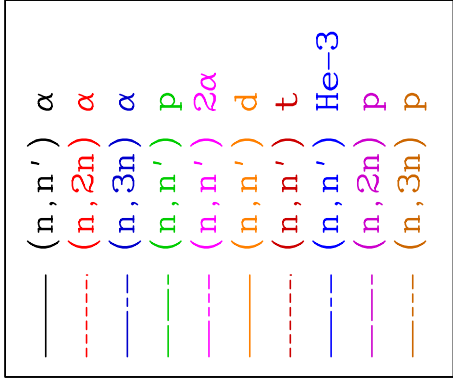
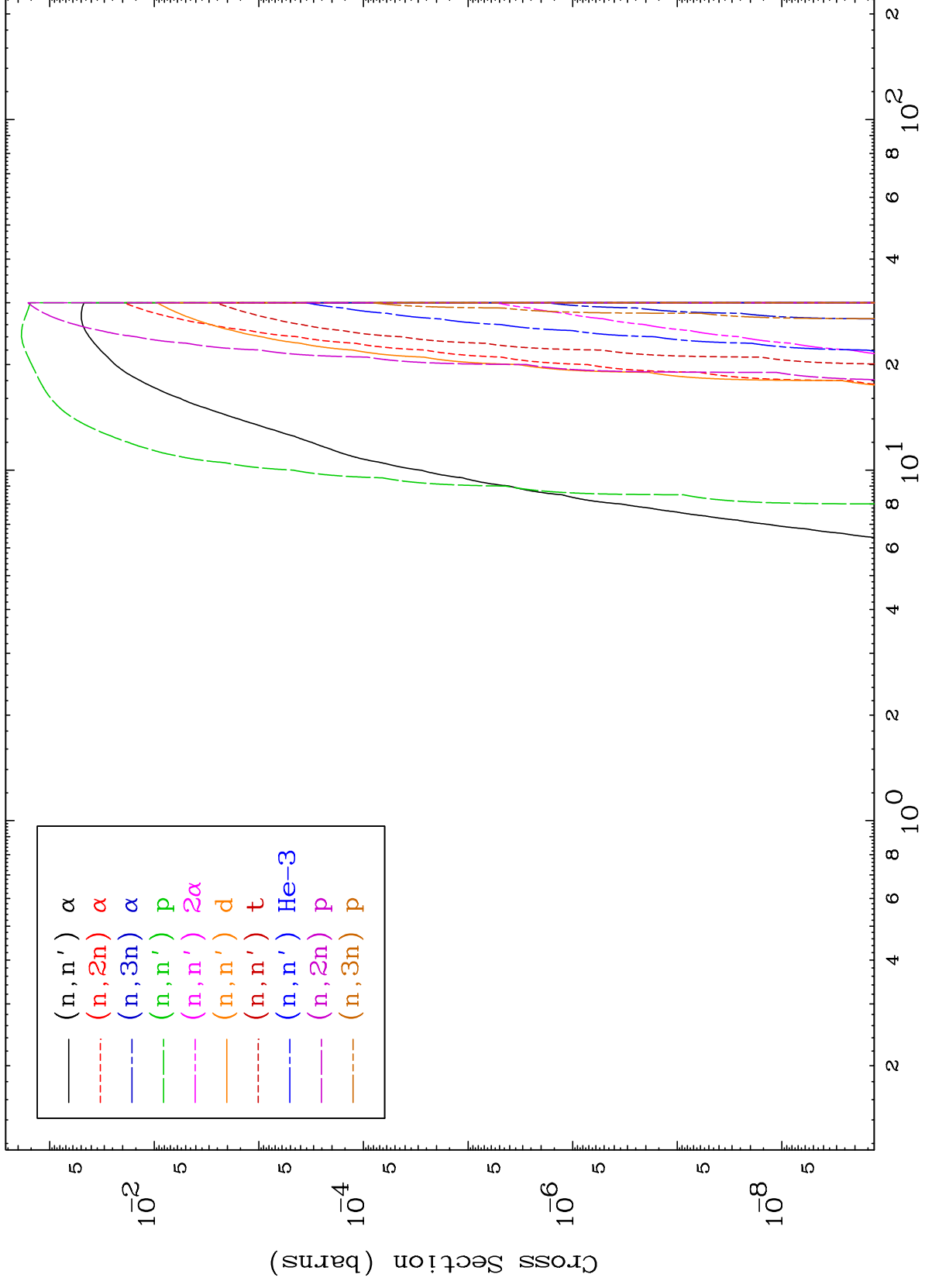
Incident Energy (MeV)

3

MAT 5619

Charged Particle
293 Kelvin Cross Sections

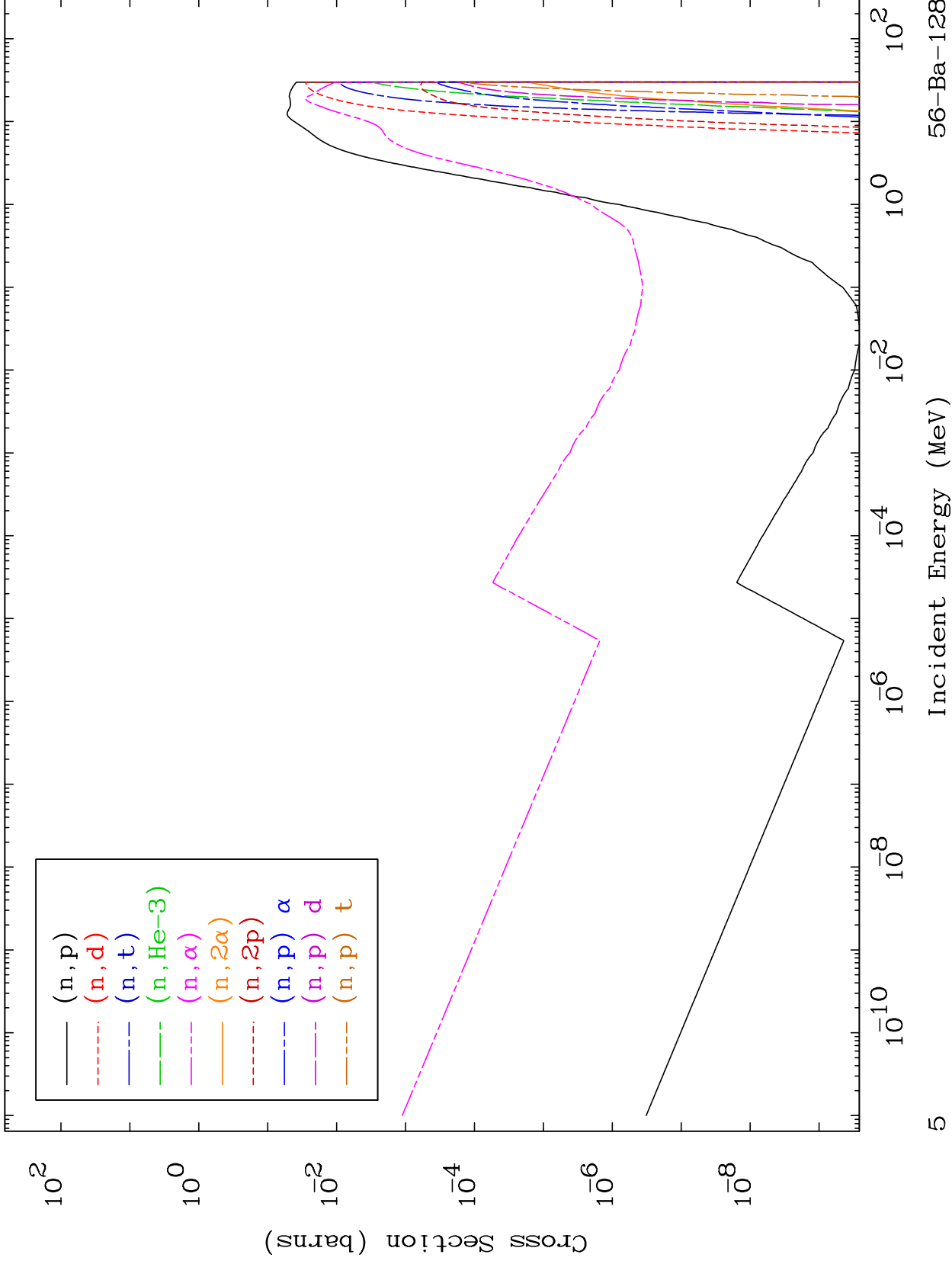
56-Ba-128



MAT 5619

Charged Particle
293 Kelvin Cross Sections

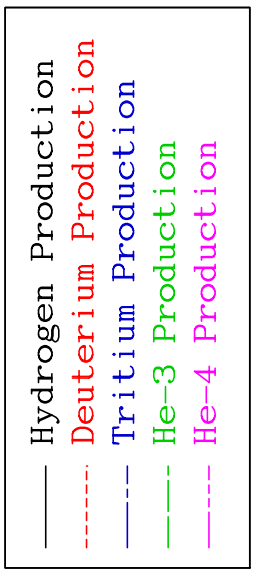
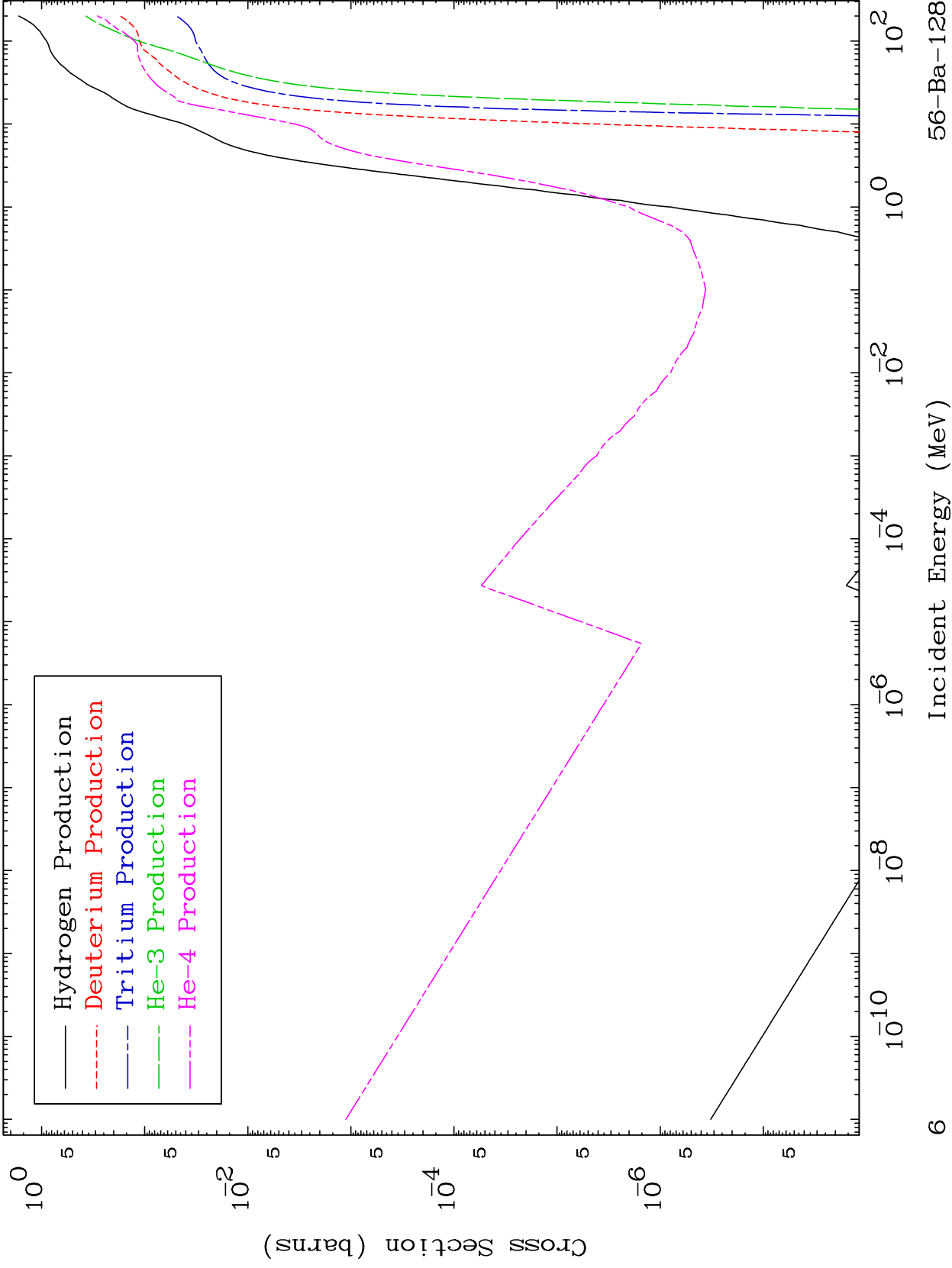
56-Ba-128



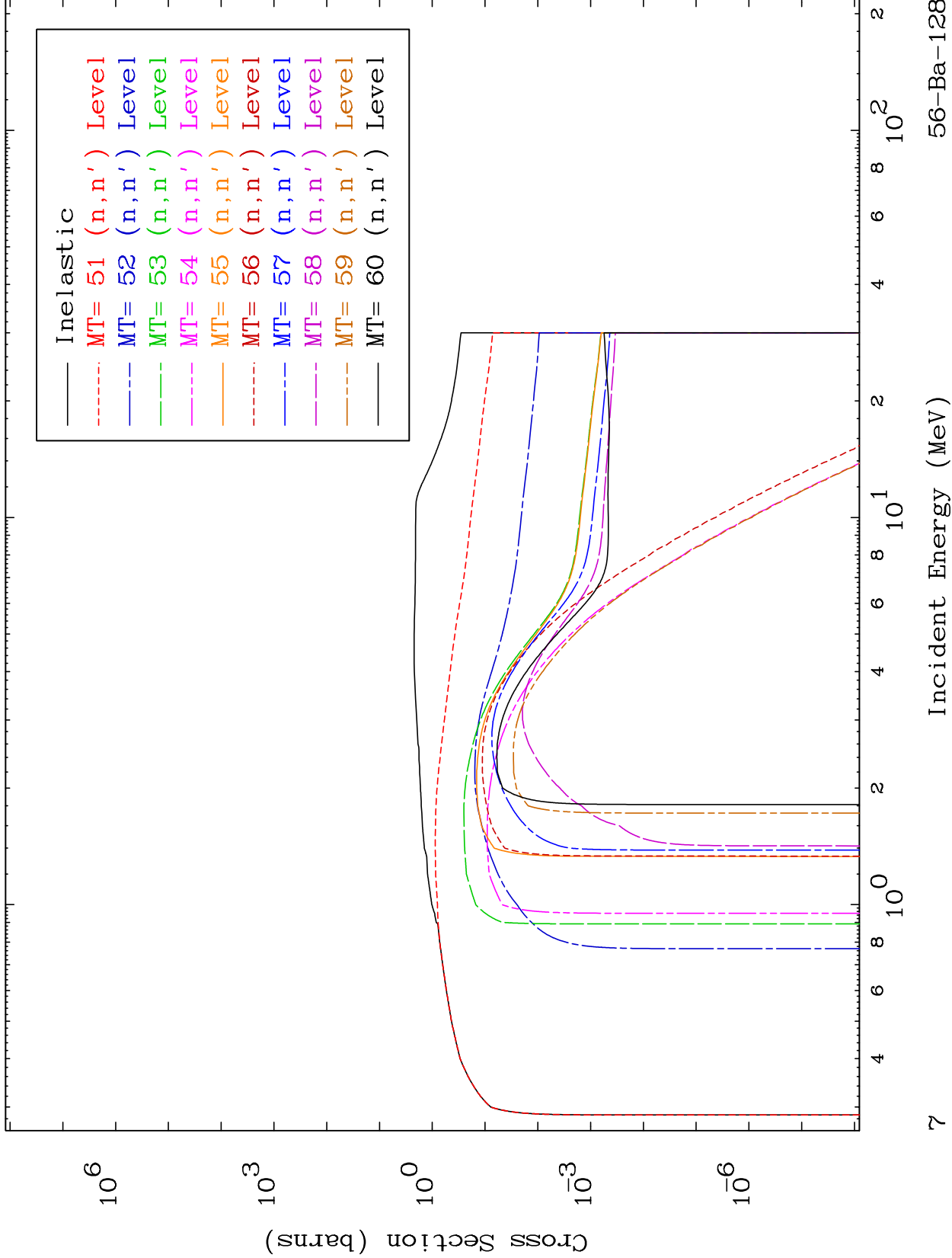
MAT 5619

Particle Production
293 Kelvin Cross Sections

56-Ba-128



293 Kelvin Cross Sections

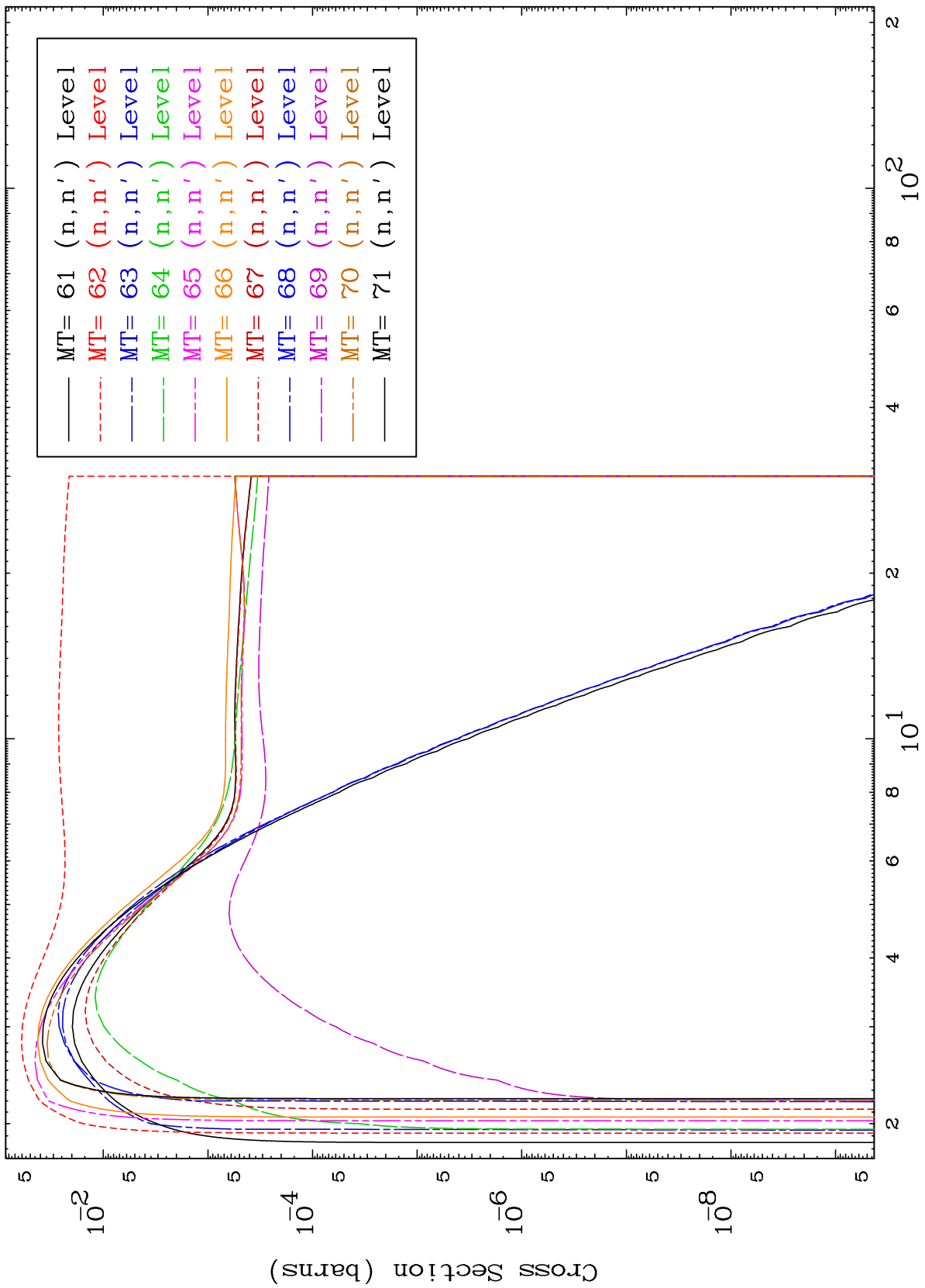


MAT 5619

(n,n') Level

56-Ba-128

293 Kelvin Cross Sections

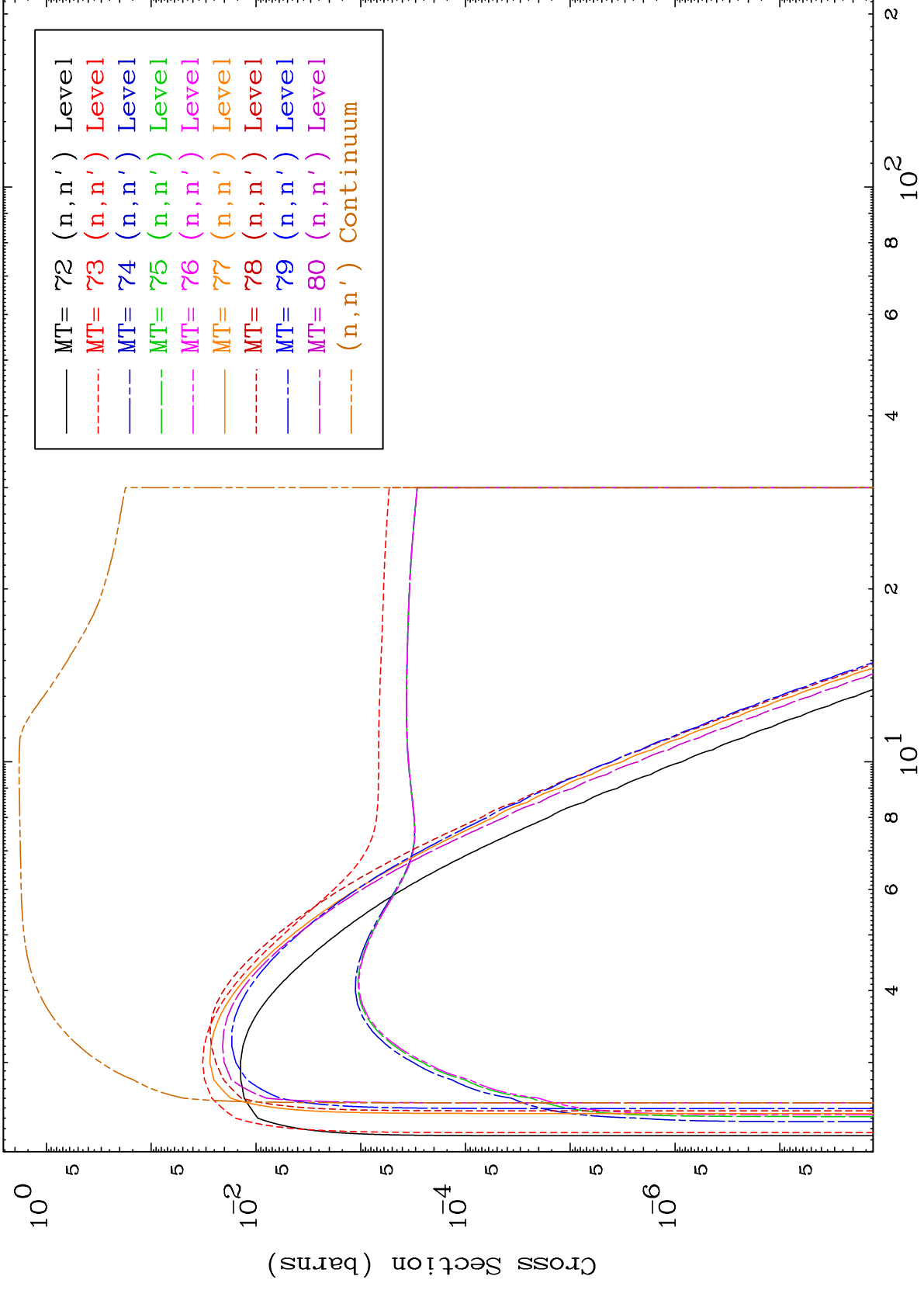


8

Incident Energy (MeV)

56-Ba-128

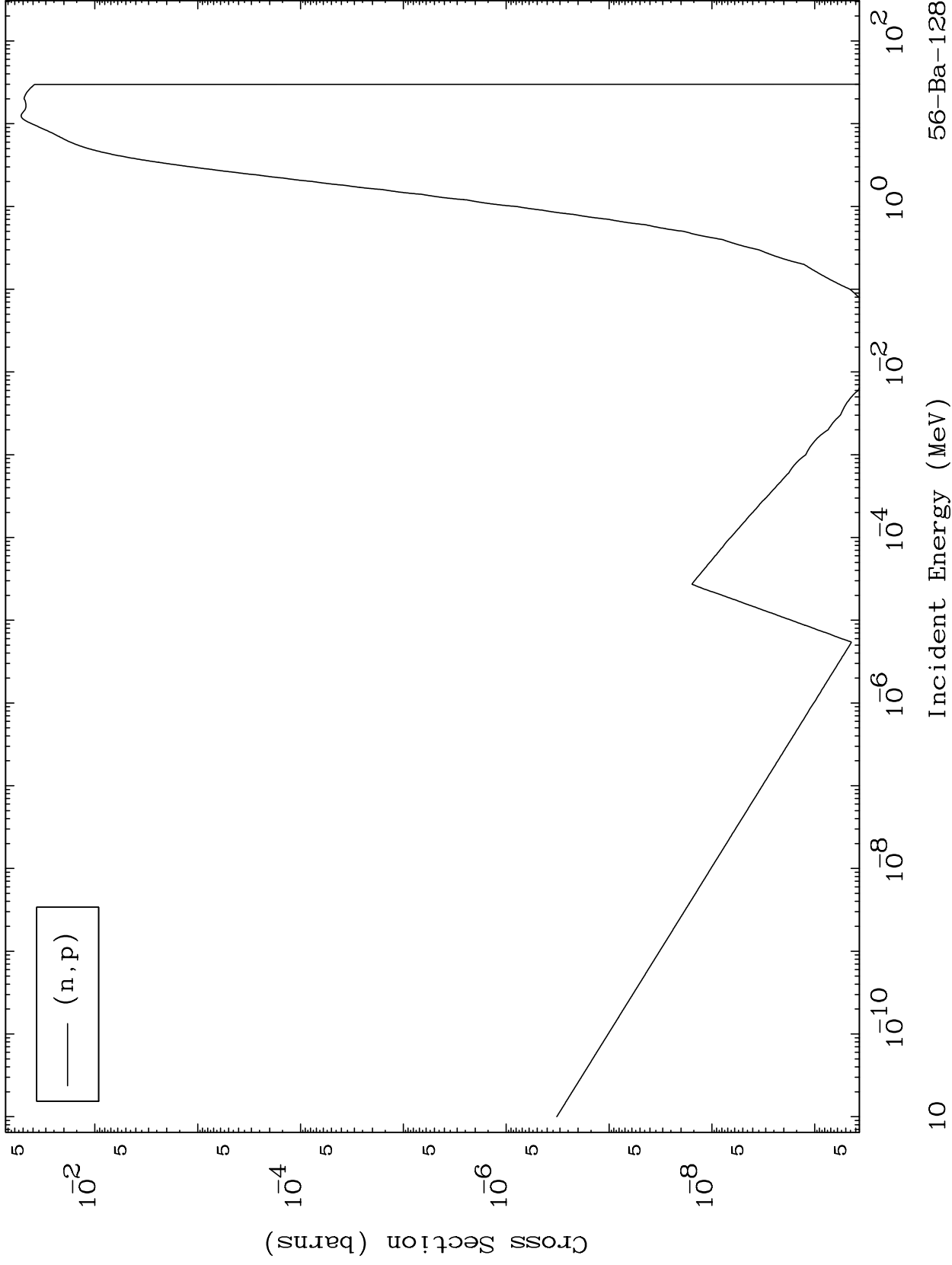
293 Kelvin Cross Sections



MAT 5619

(n,p) Levels
293 Kelvin Cross Sections

56-Ba-128



10

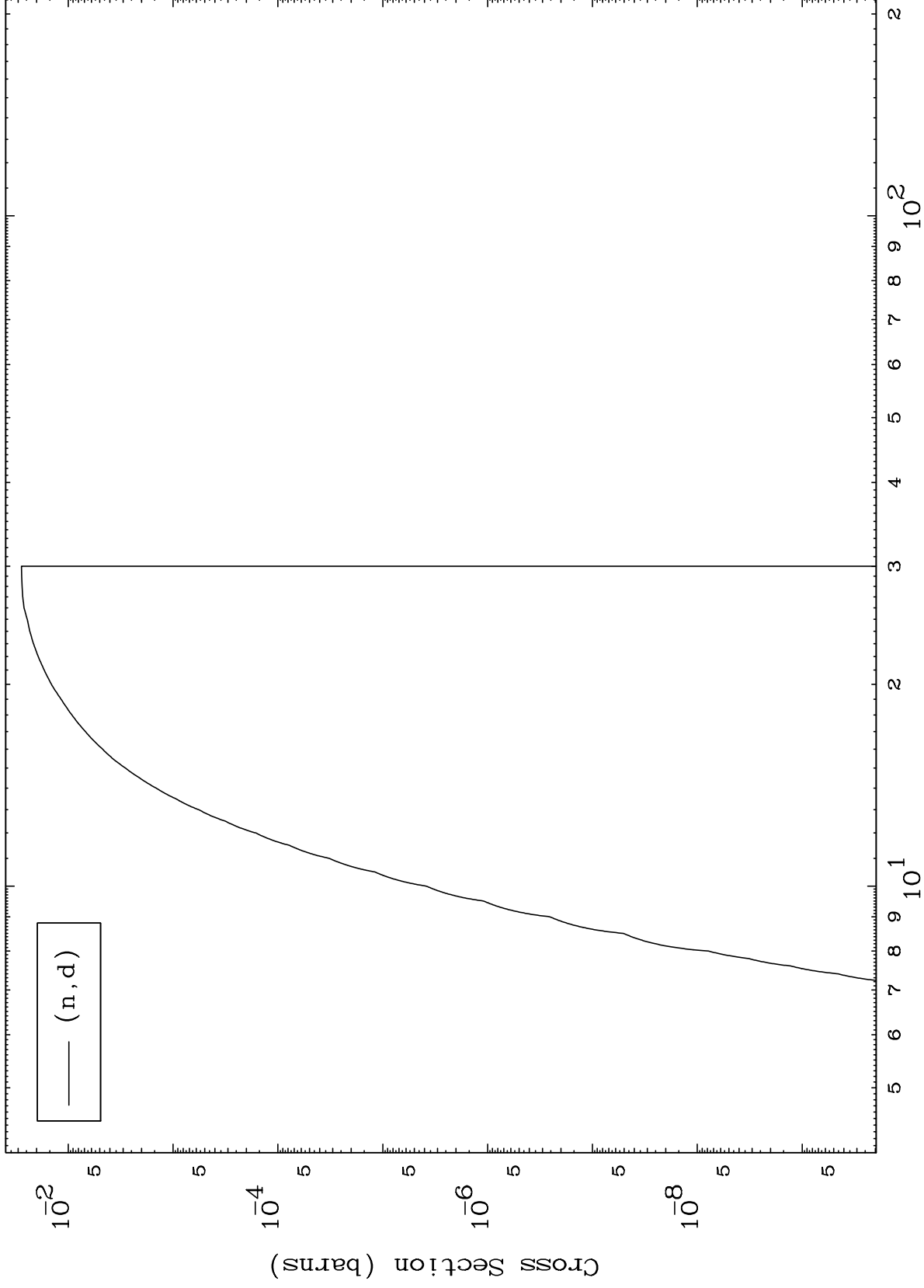
Incident Energy (MeV)

56-Ba-128

MAT 5619

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-128



11

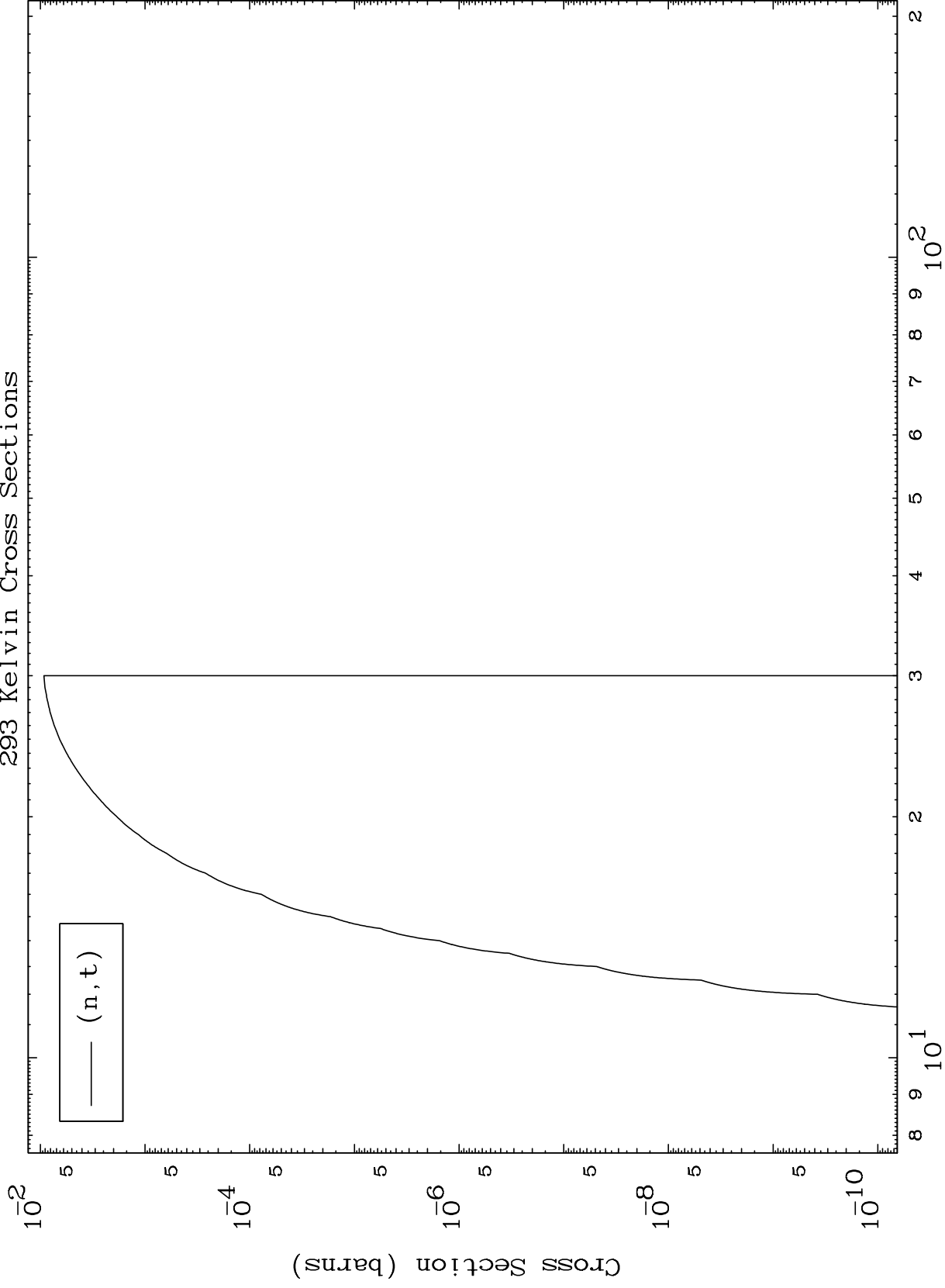
Incident Energy (MeV)

56-Ba-128

MAT 5619

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-128



12

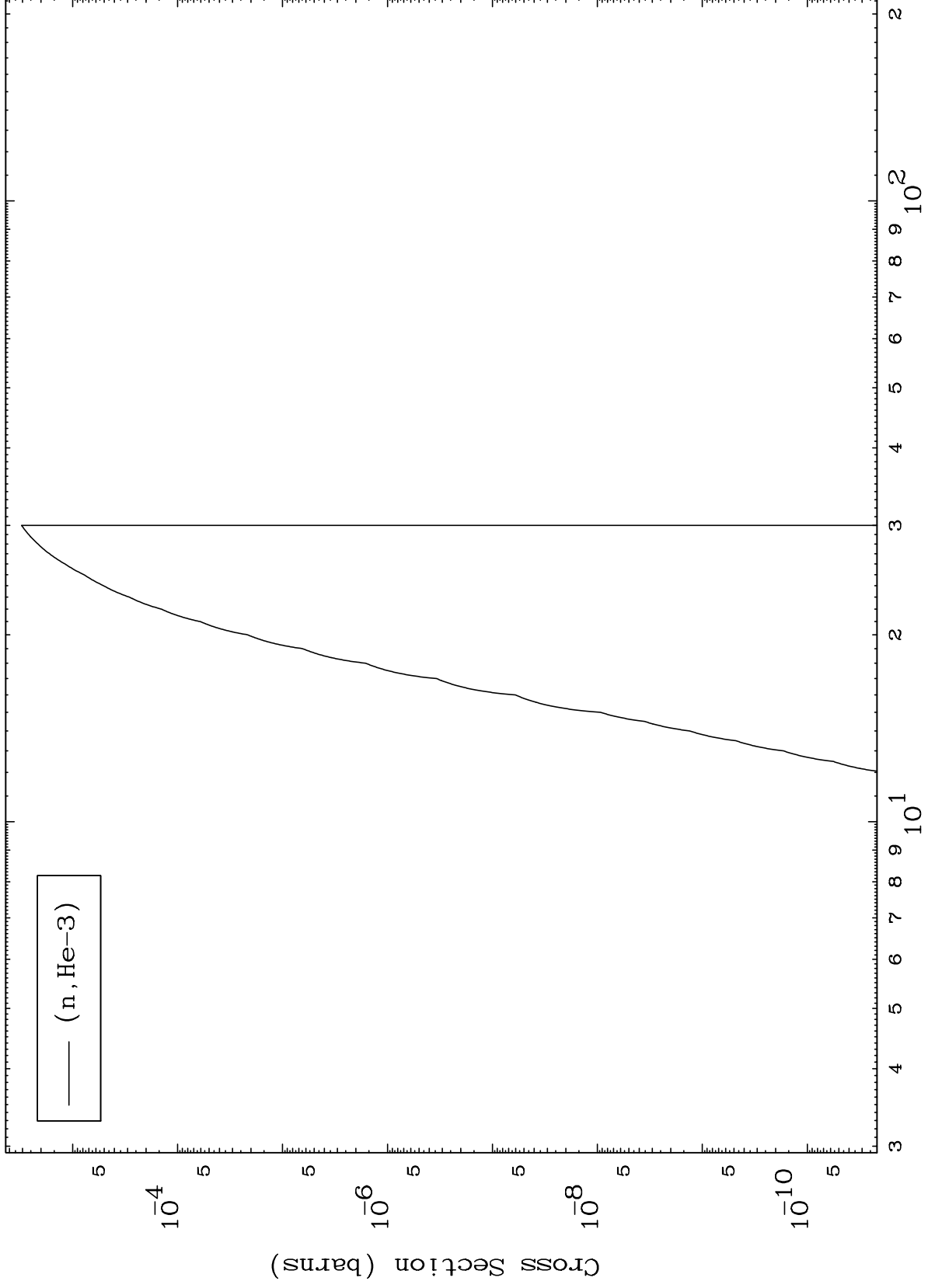
Incident Energy (MeV)

56-Ba-128

MAT 5619

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-128



13

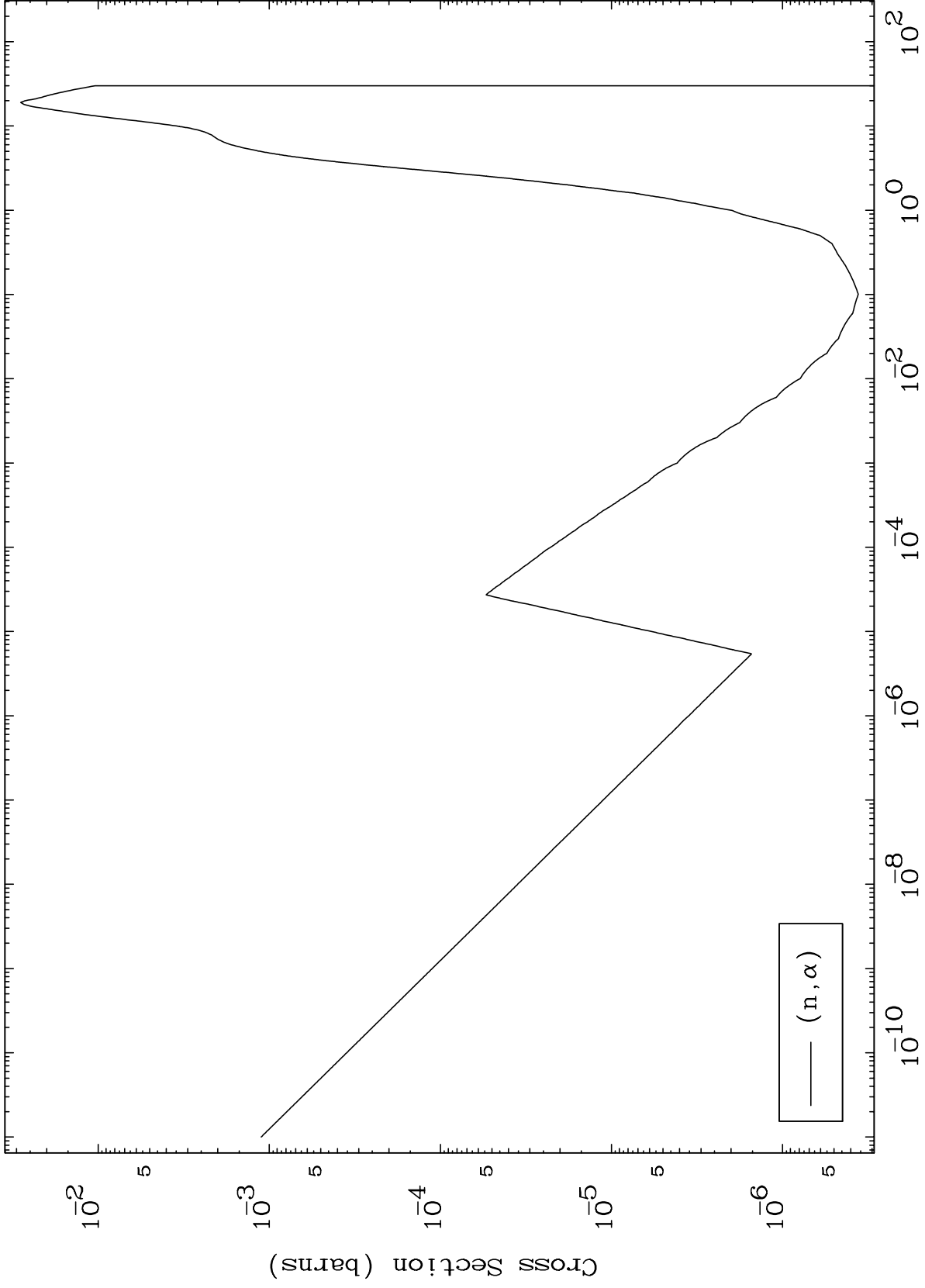
Incident Energy (MeV)

56-Ba-128

MAT 5619

(n, α) Levels
293 Kelvin Cross Sections

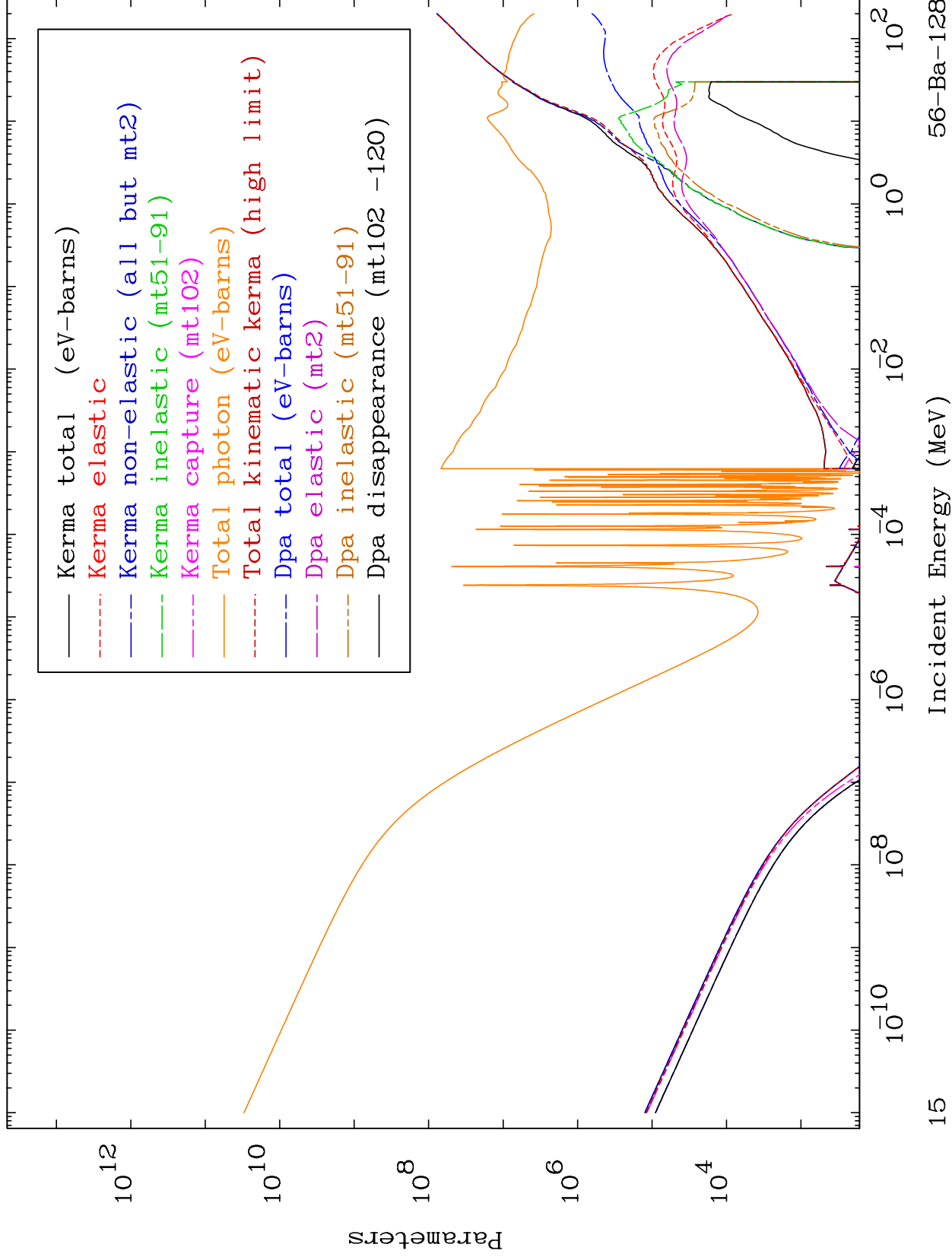
56-Ba-128



14

Incident Energy (MeV)

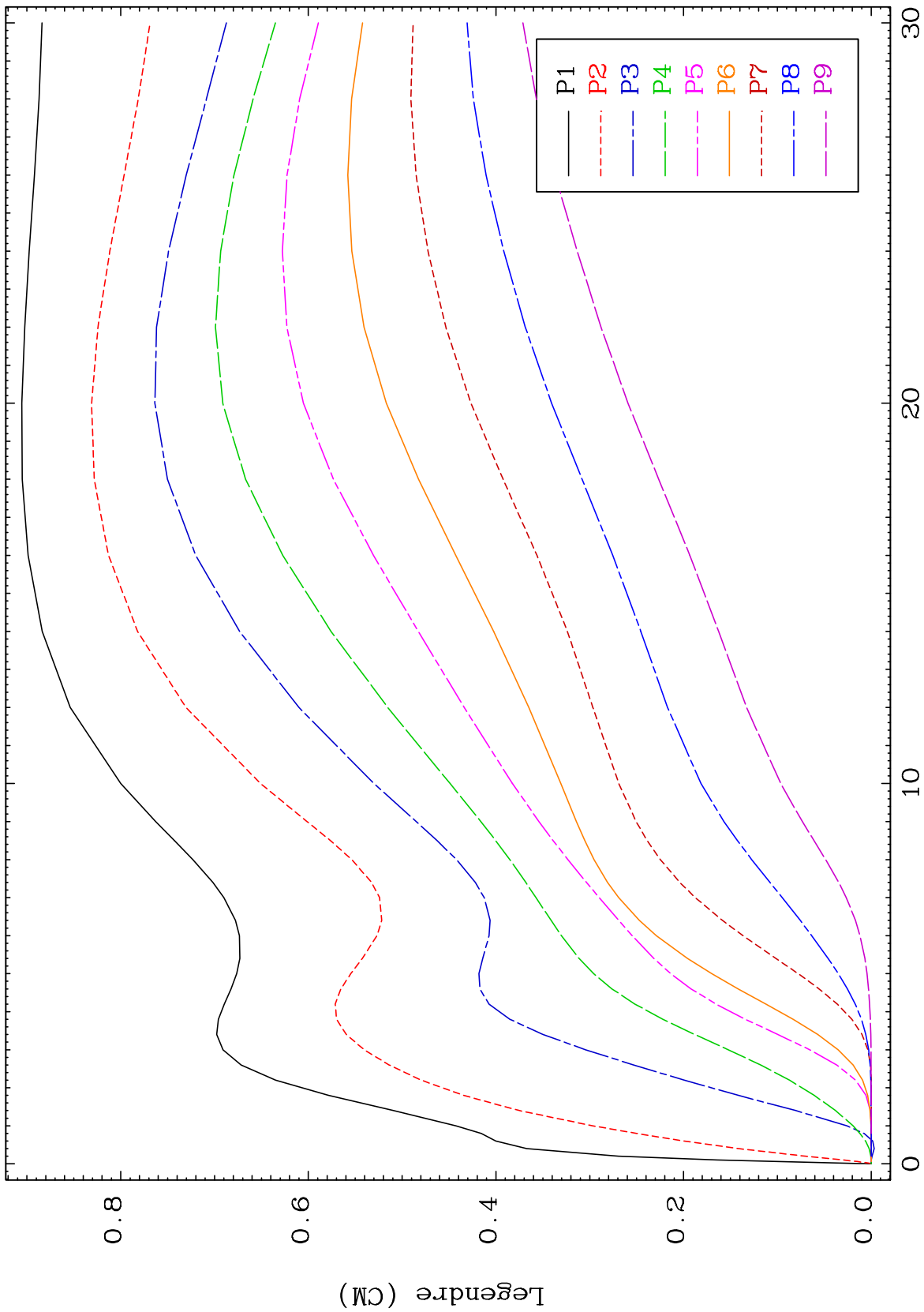
56-Ba-128



MAT 5619

56-Ba-128

Elastic Legendre Coefficients



16

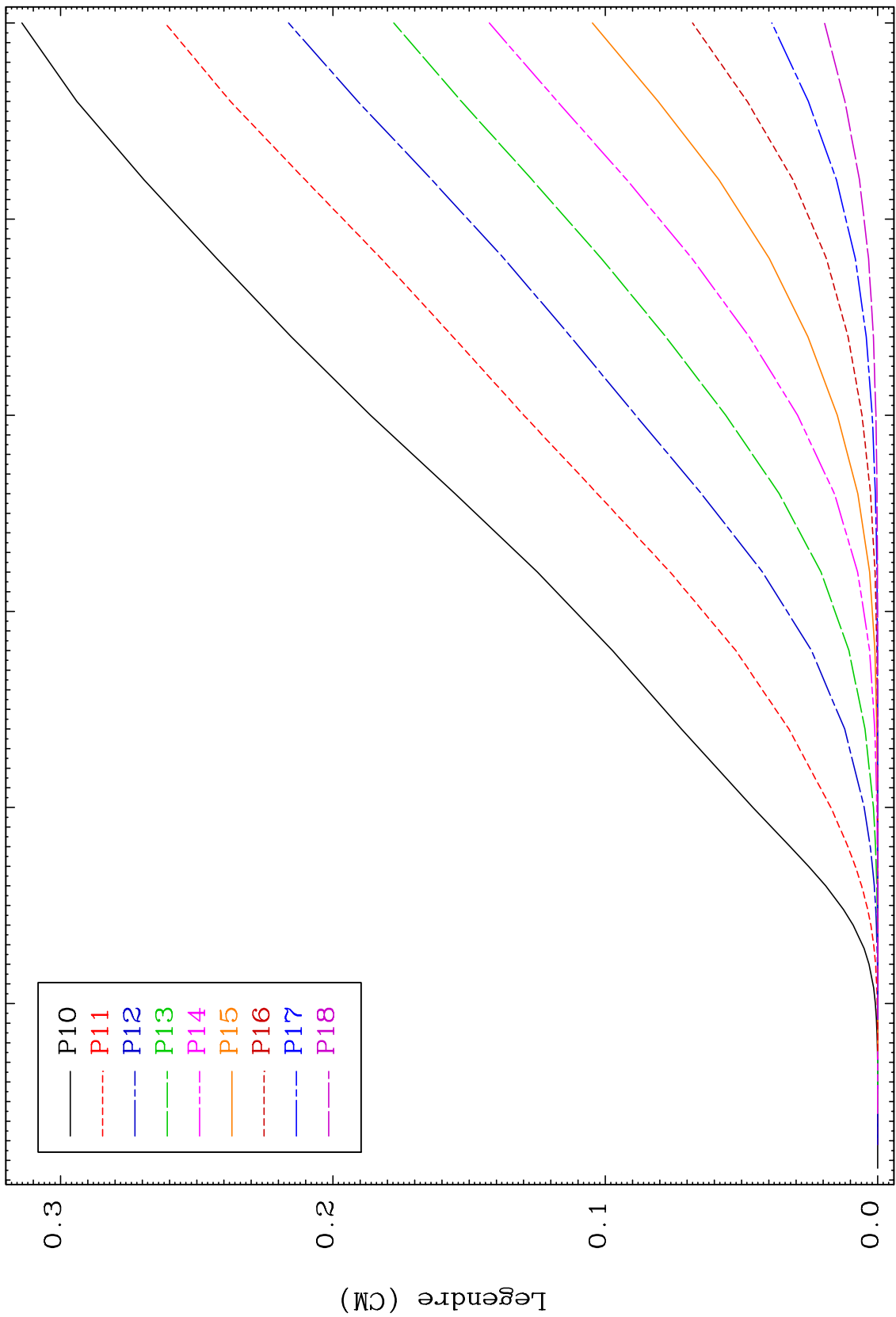
Incident Energy (MeV)

56-Ba-128

MAT 5619

Elastic Legendre Coefficients

56-Ba-128



17

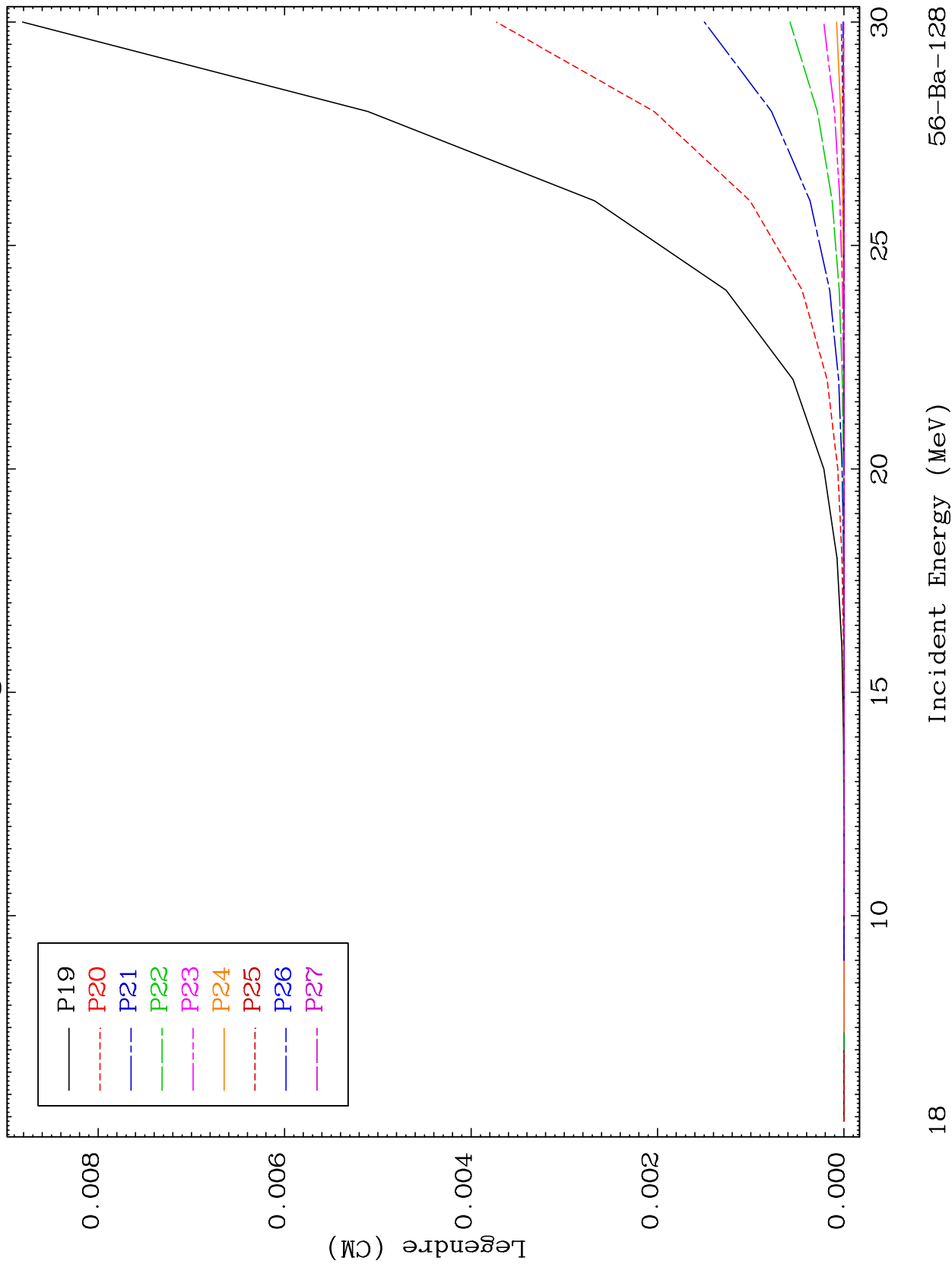
56-Ba-128

Incident Energy (MeV)

MAT 5619

Elastic Legendre Coefficients

56-Ba-128



18

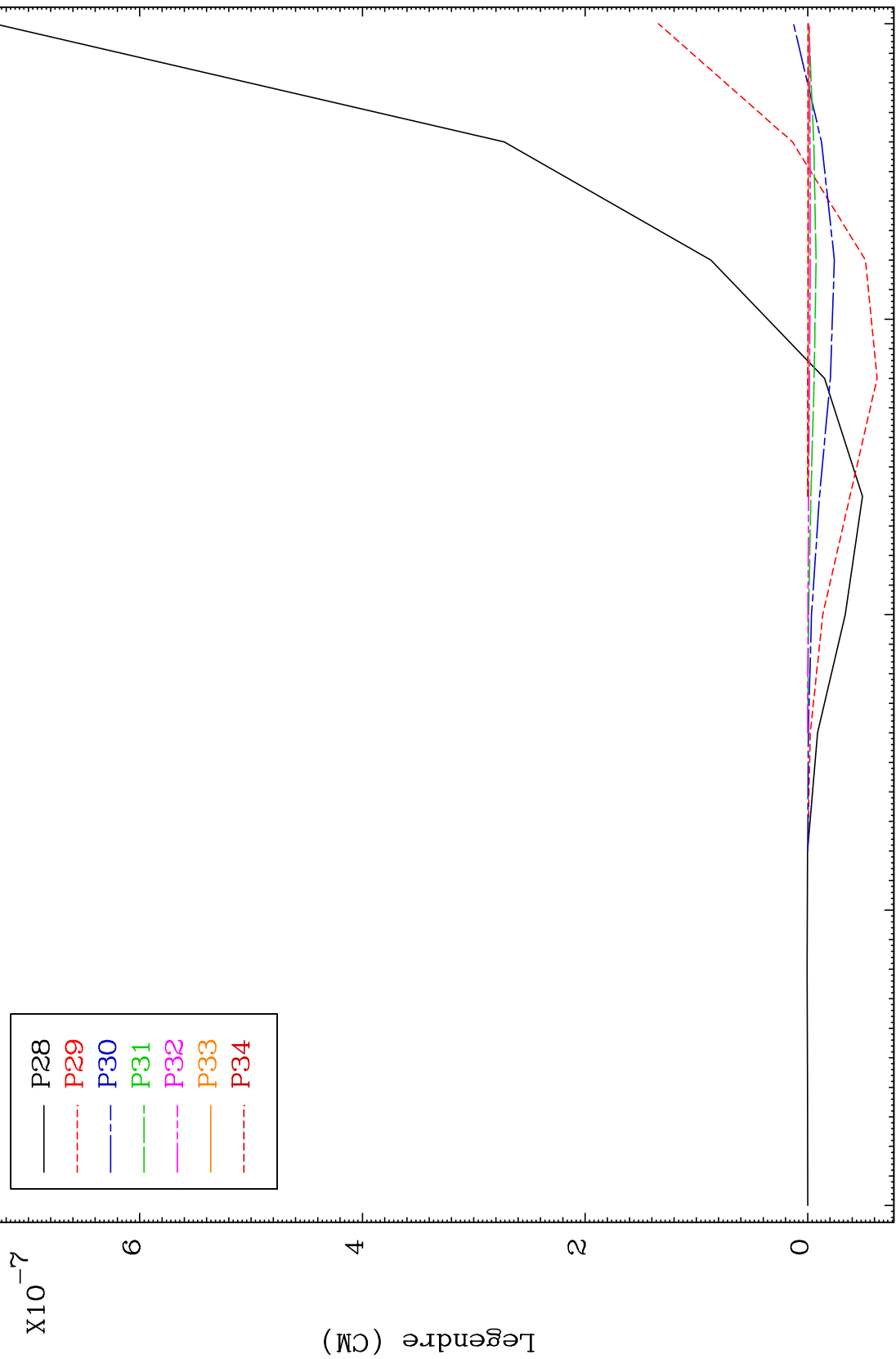
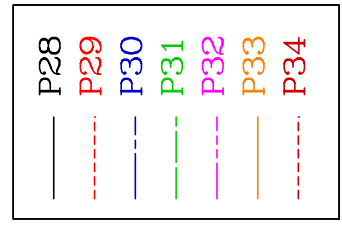
Incident Energy (MeV)

56-Ba-128

MAT 5619

Elastic Legendre Coefficients

56-Ba-128



19

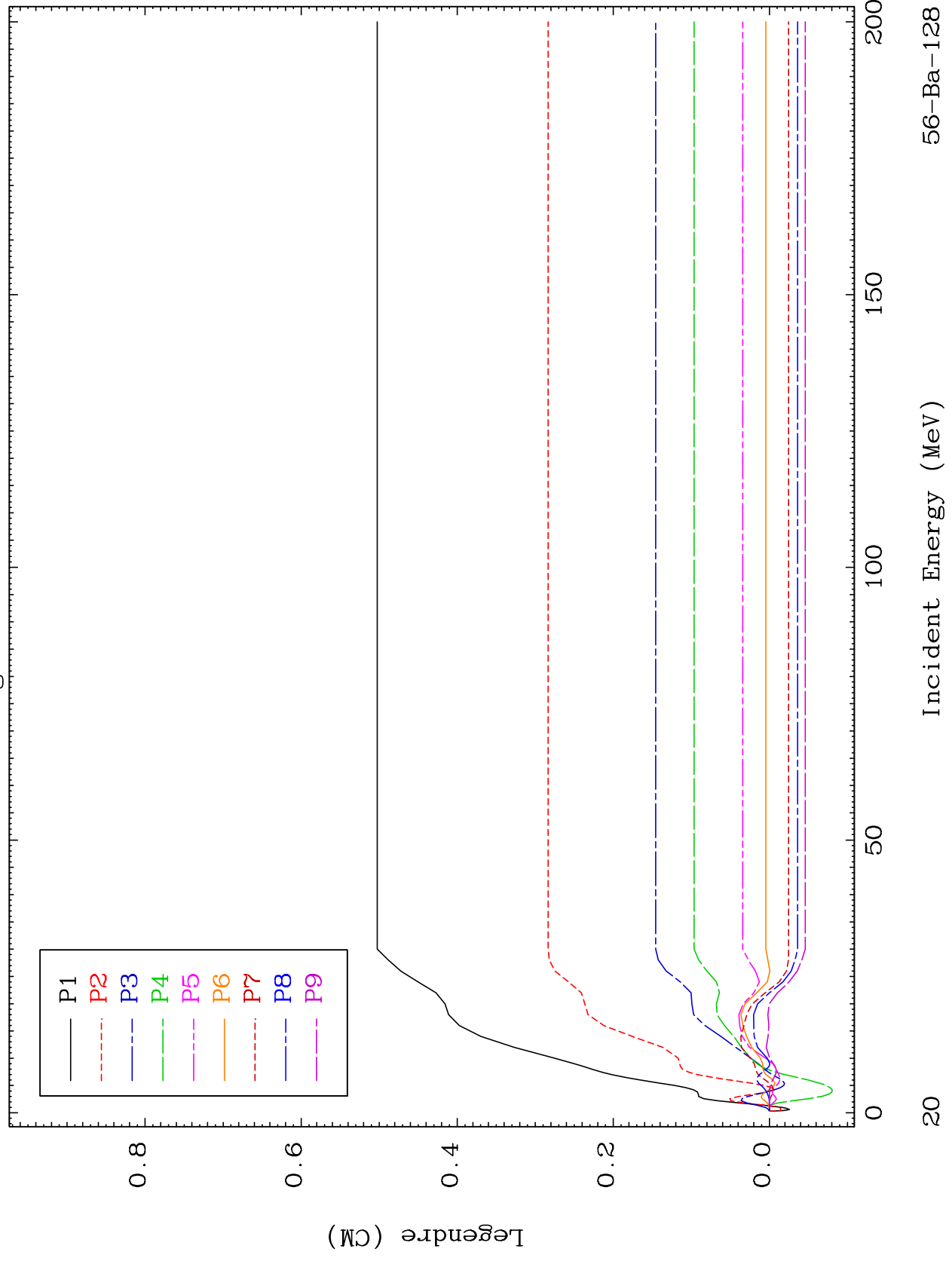
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

56-Ba-128



56-Ba-128

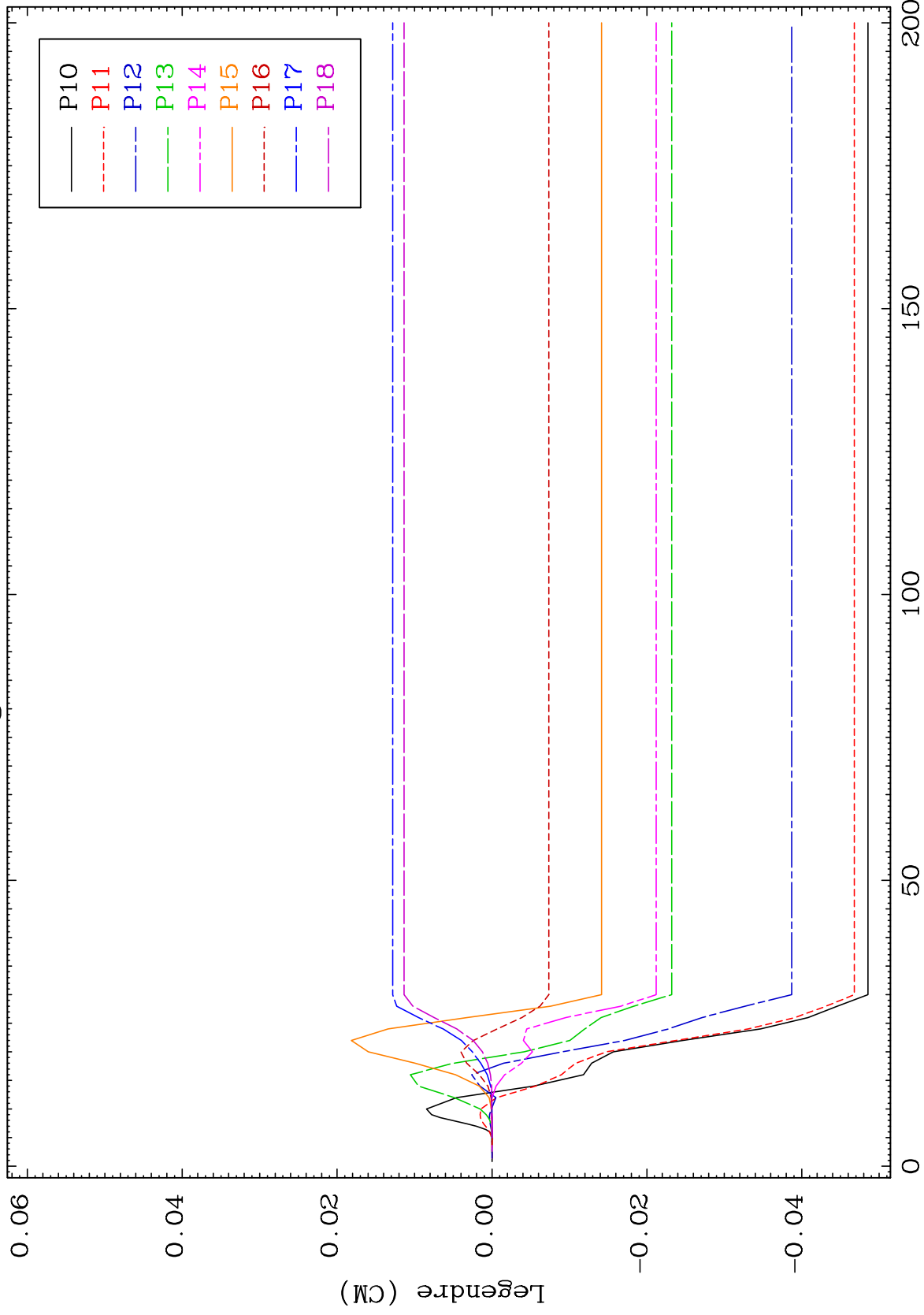
Incident Energy (MeV)

20

MAT 5619

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

56-Ba-128



21

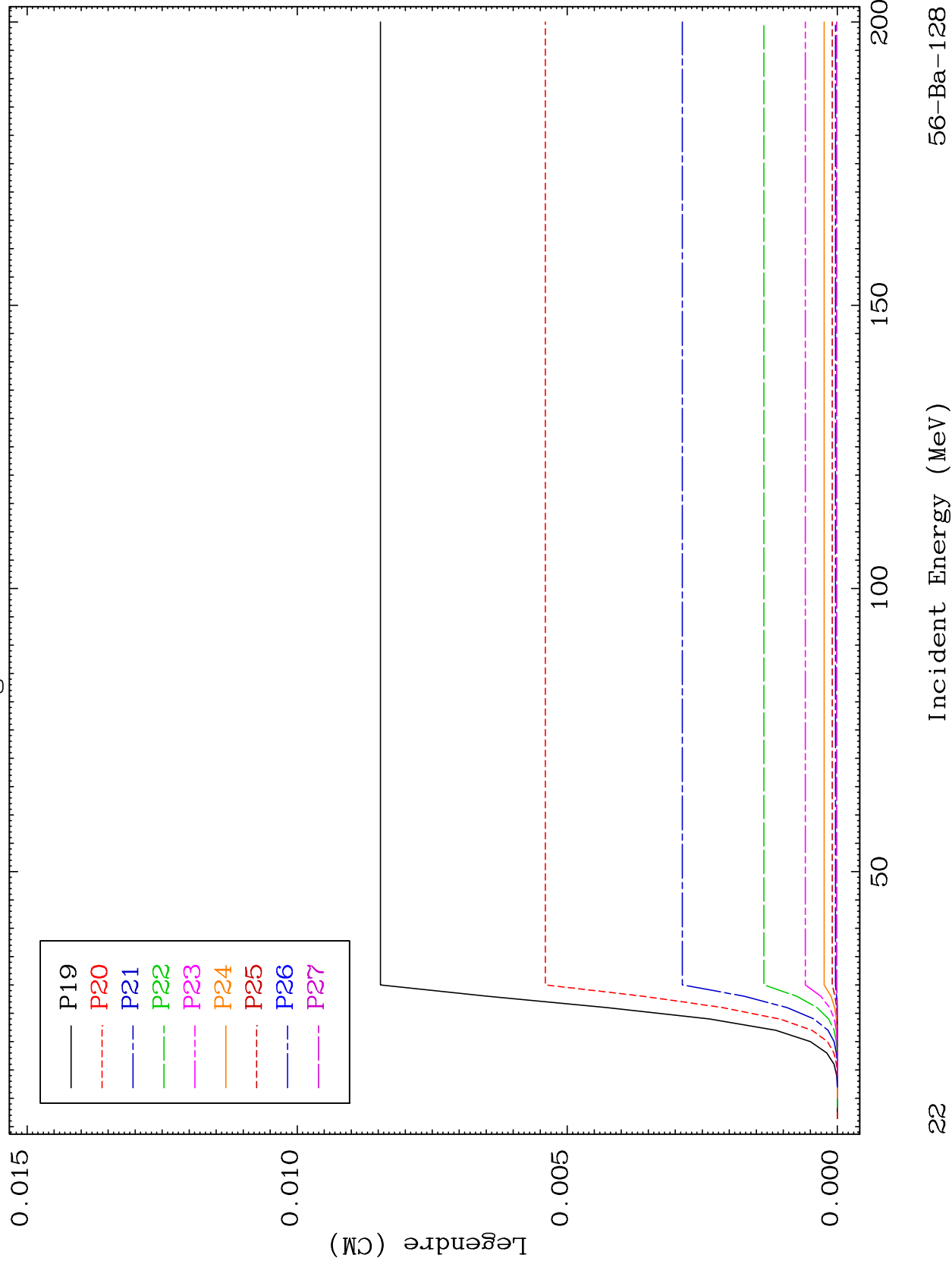
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

56-Ba-128



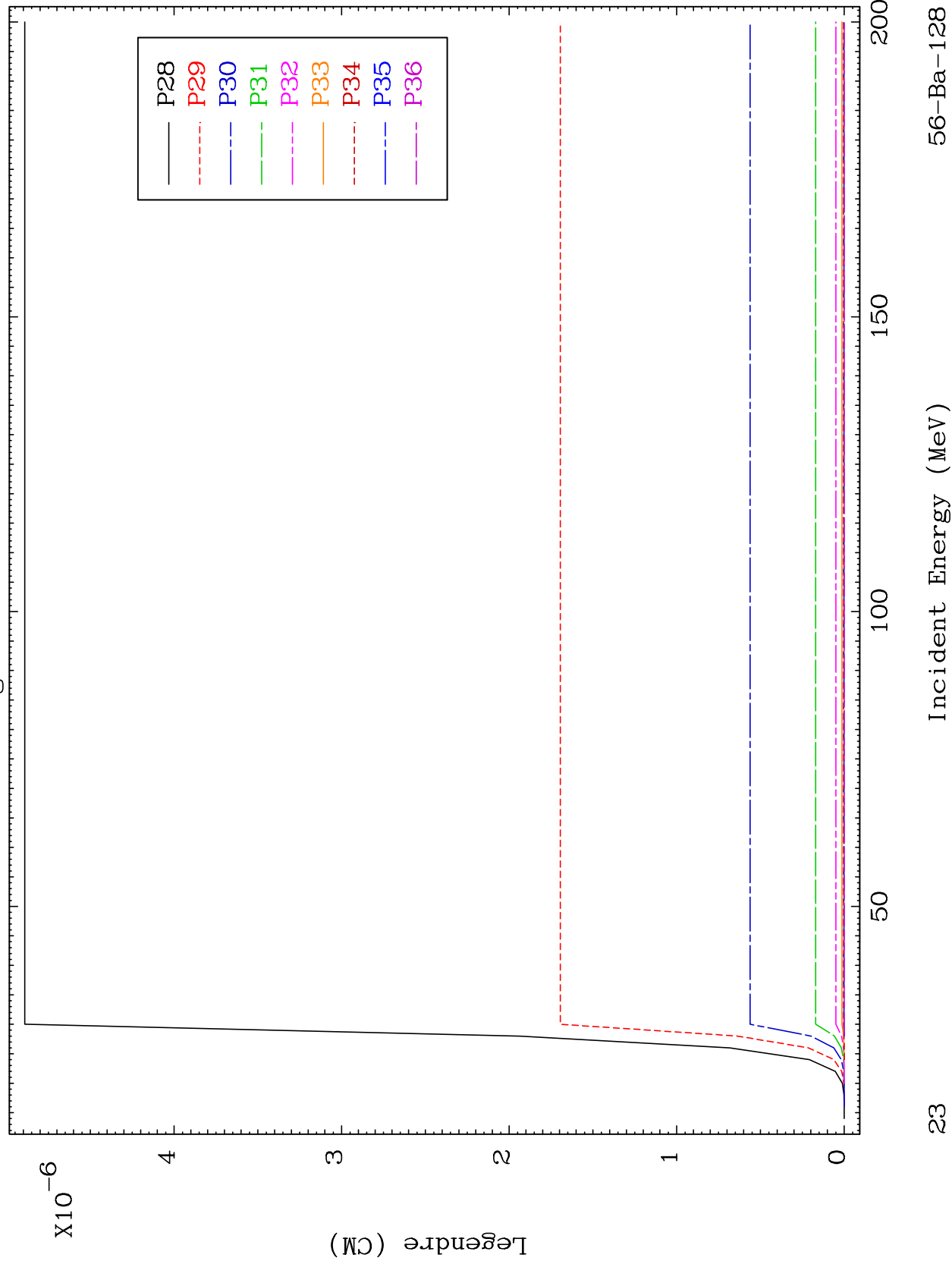
22

56-Ba-128

MAT 5619

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

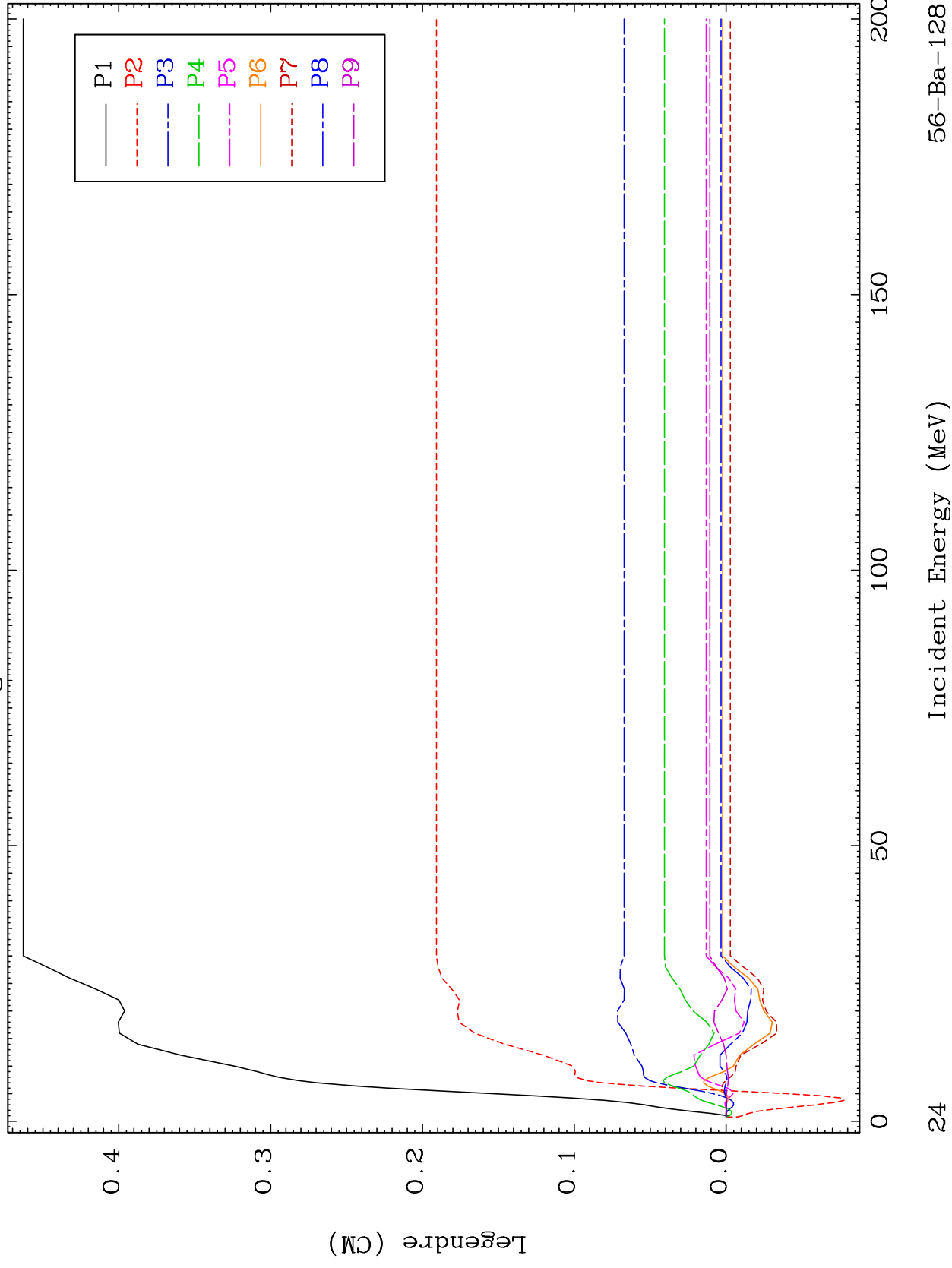
56-Ba-128



MAT 5619

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

56-Ba-128



56-Ba-128

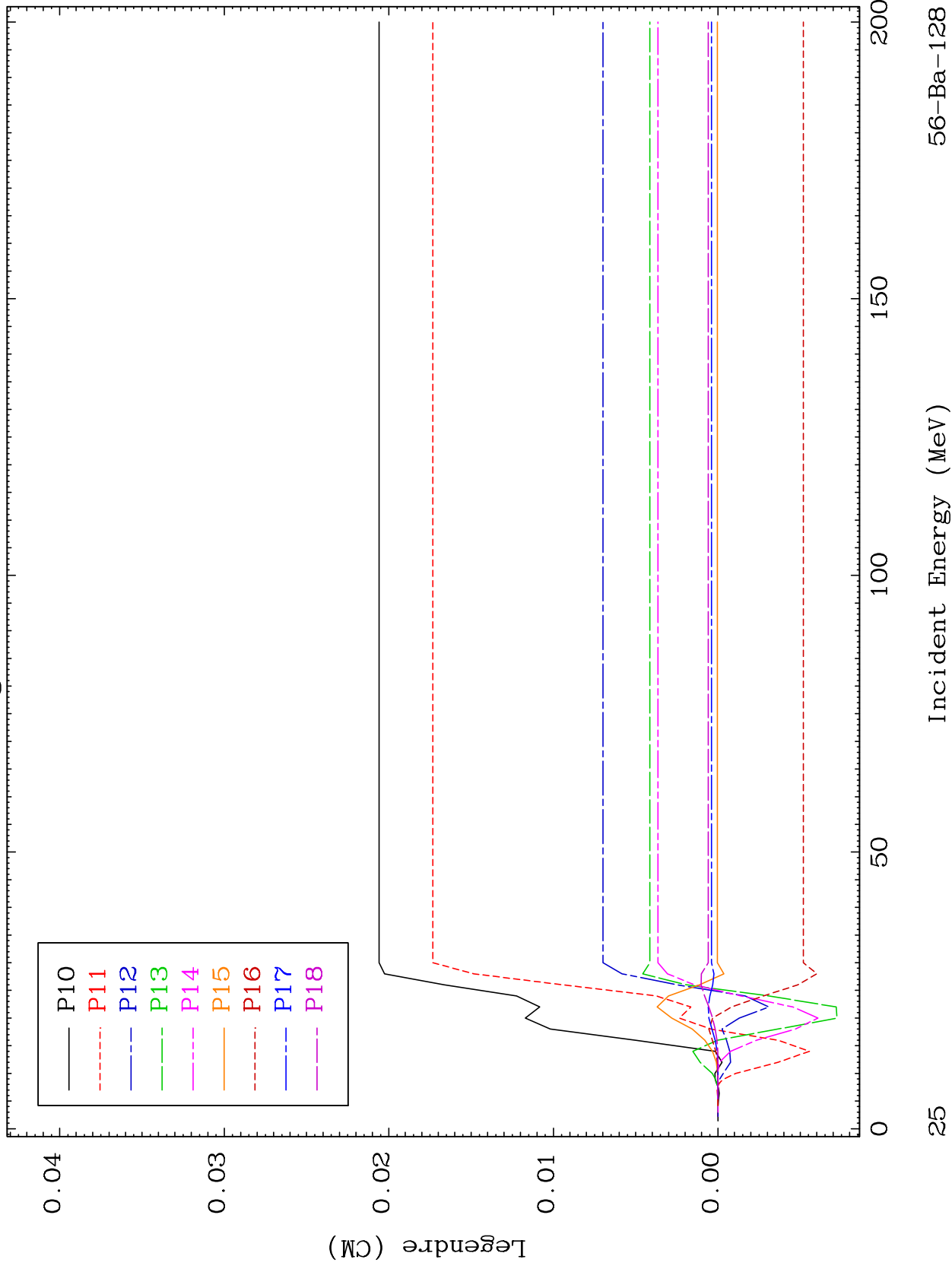
Incident Energy (MeV)

24

MAT 5619

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

56-Ba-128



25

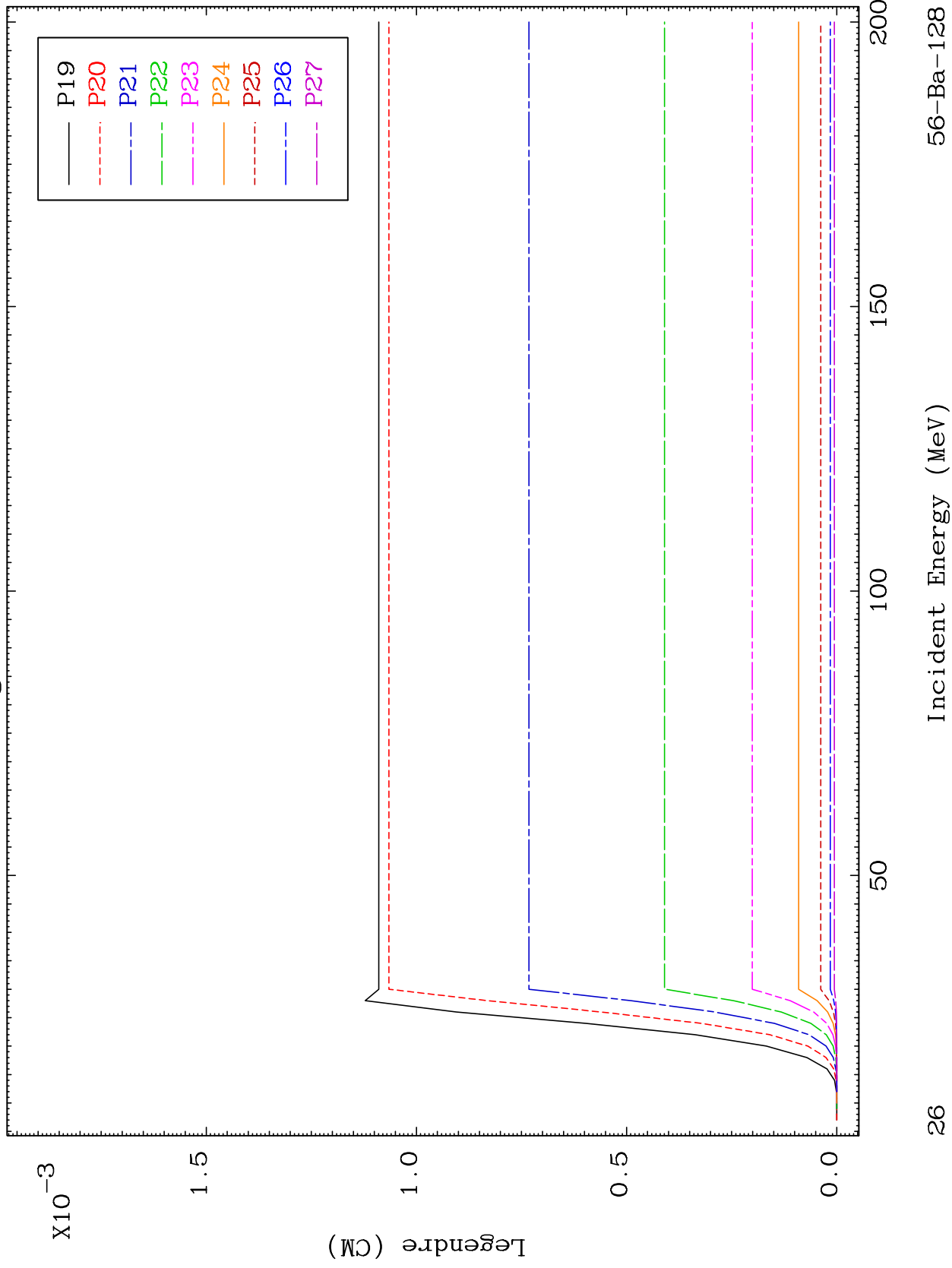
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

56-Ba-128

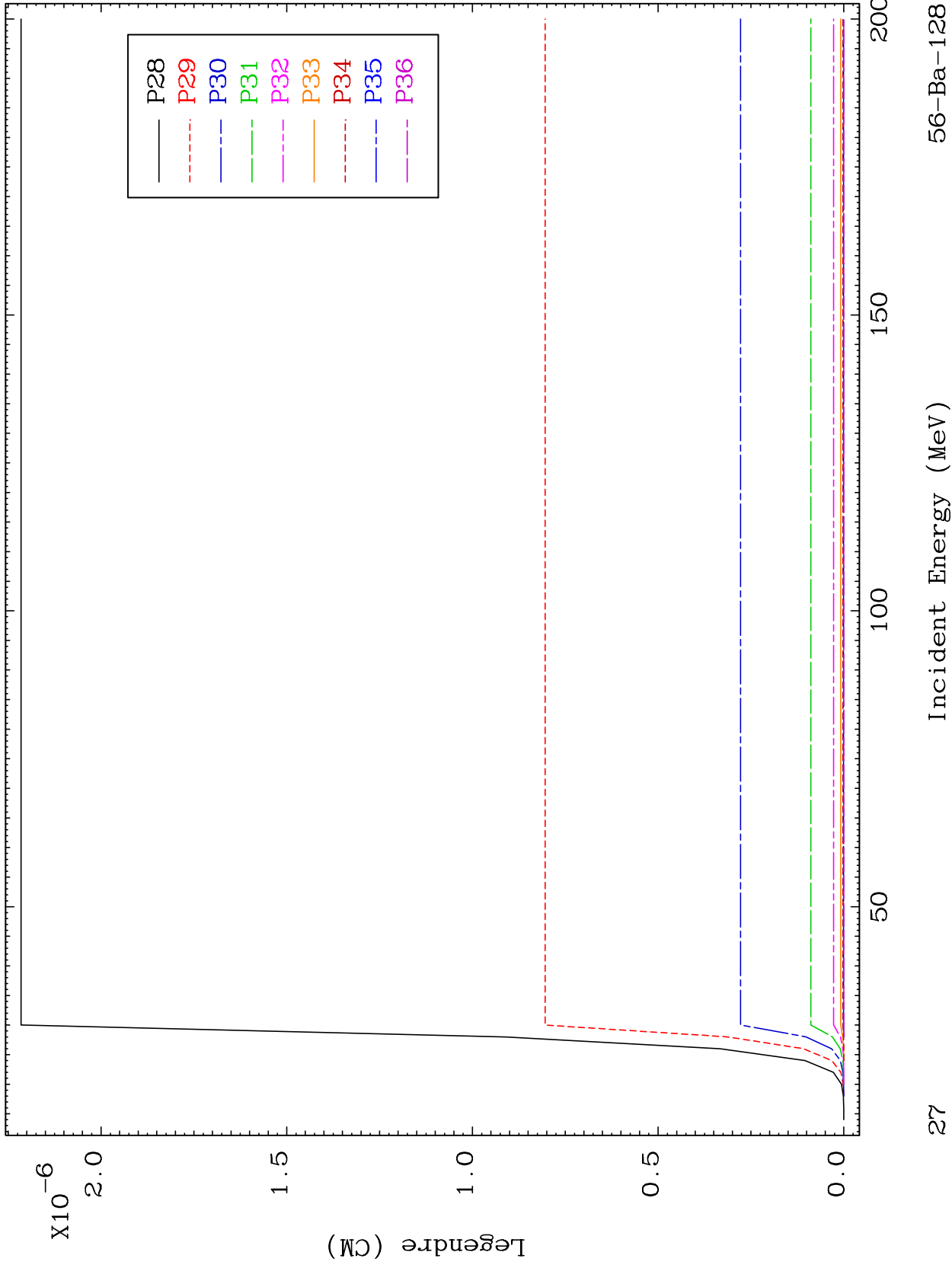


26

MAT 5619

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

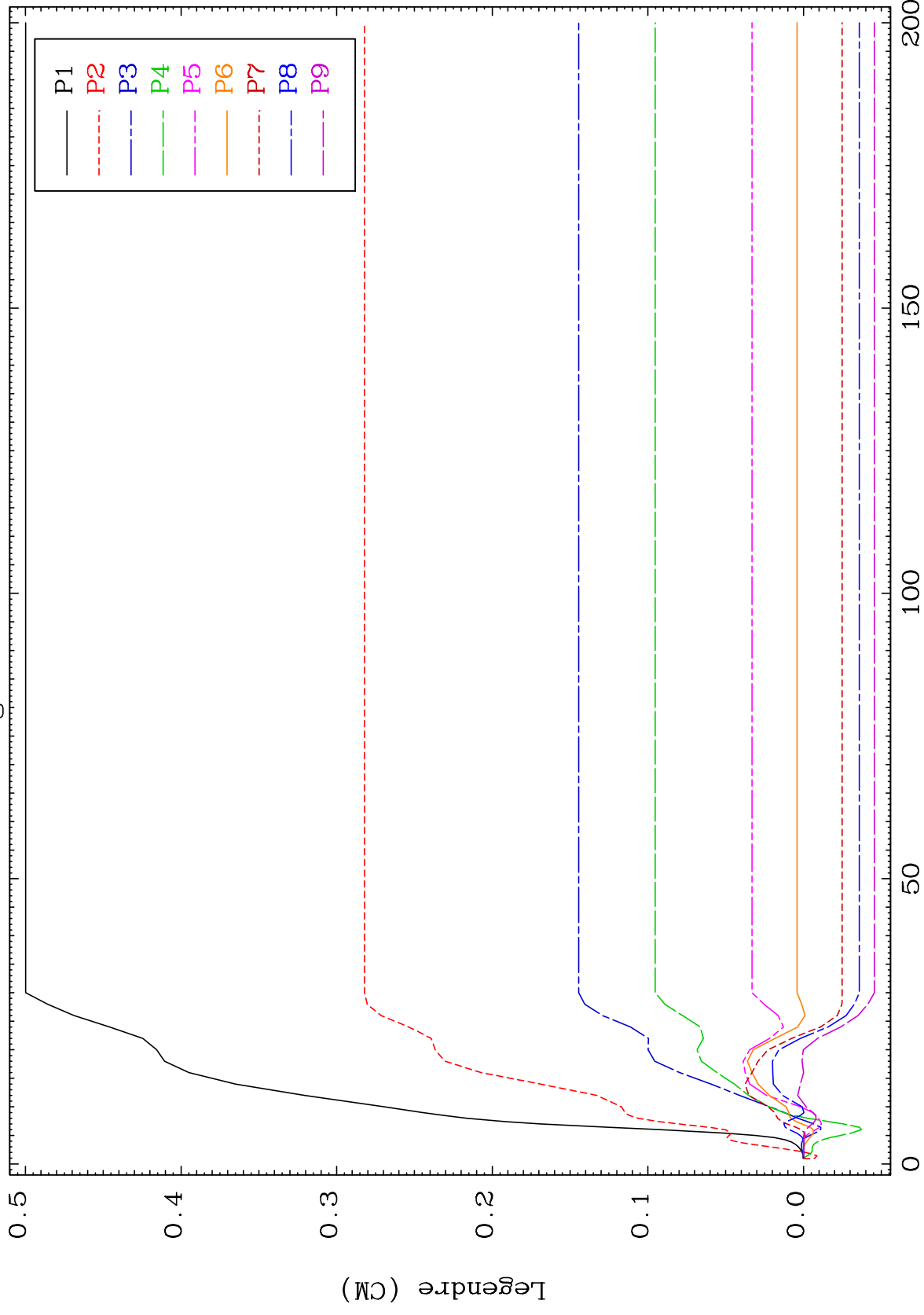
56-Ba-128



MAT 5619

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

56-Ba-128



28

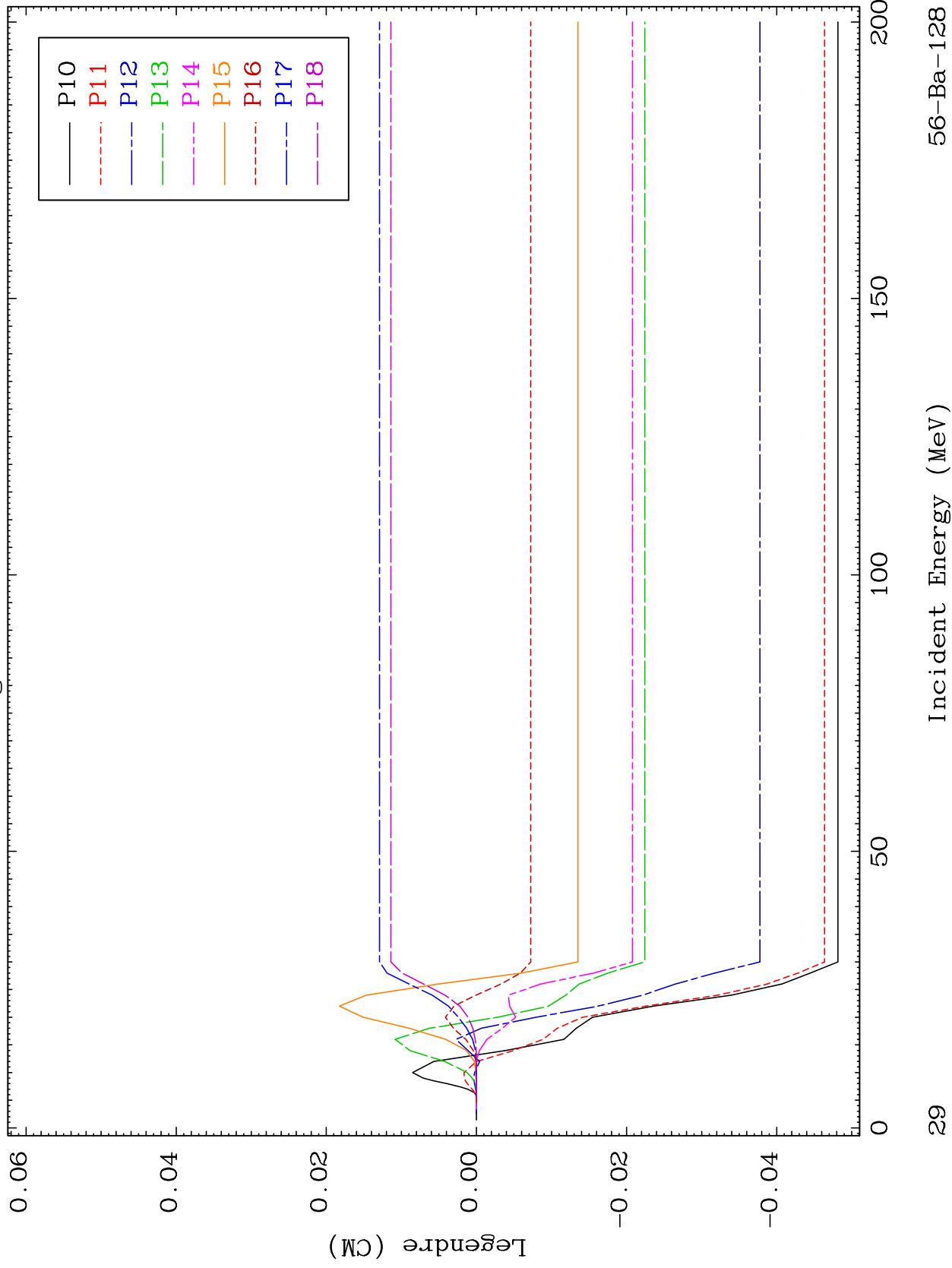
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

56-Ba-128



29

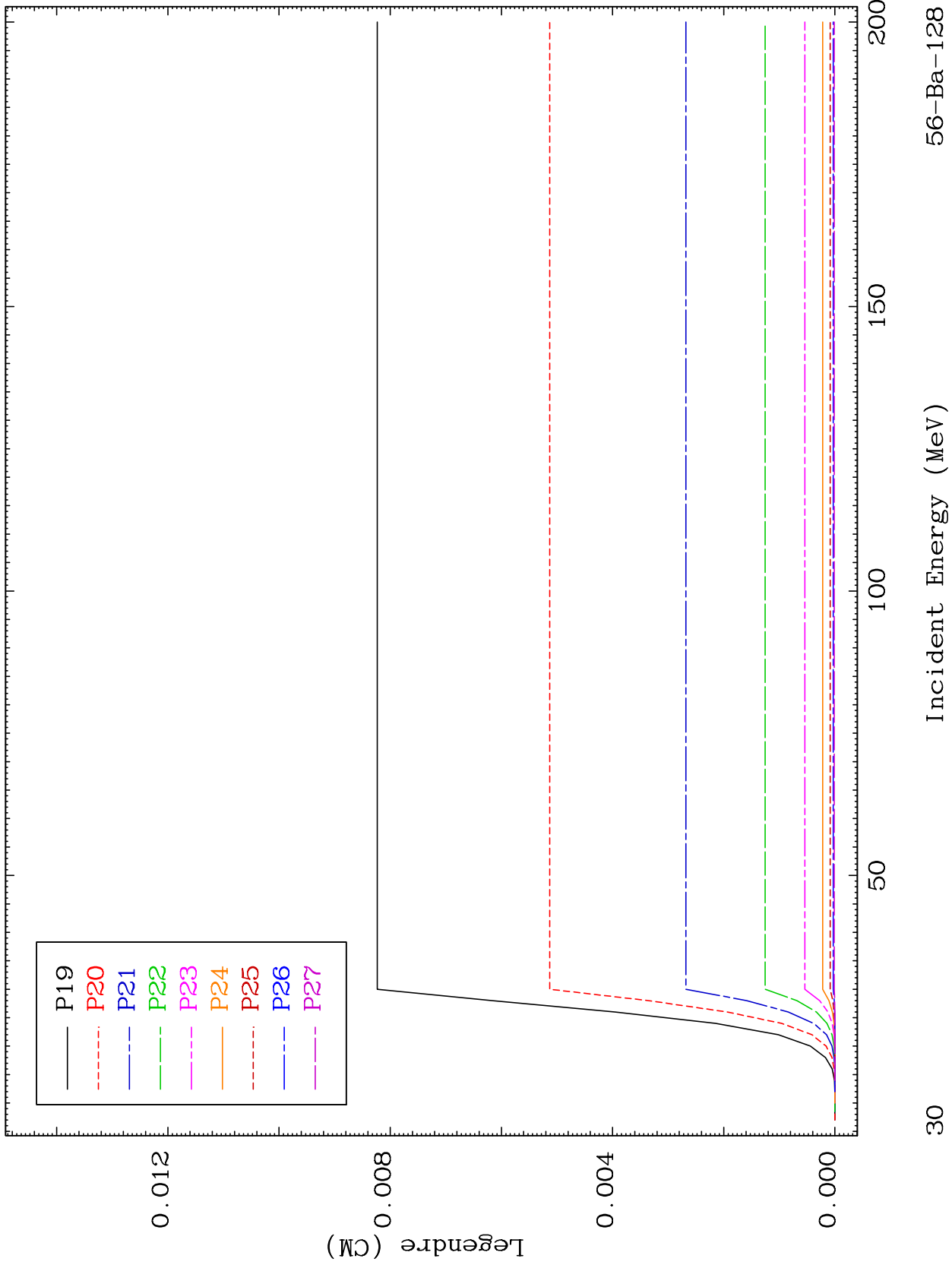
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

56-Ba-128



56-Ba-128

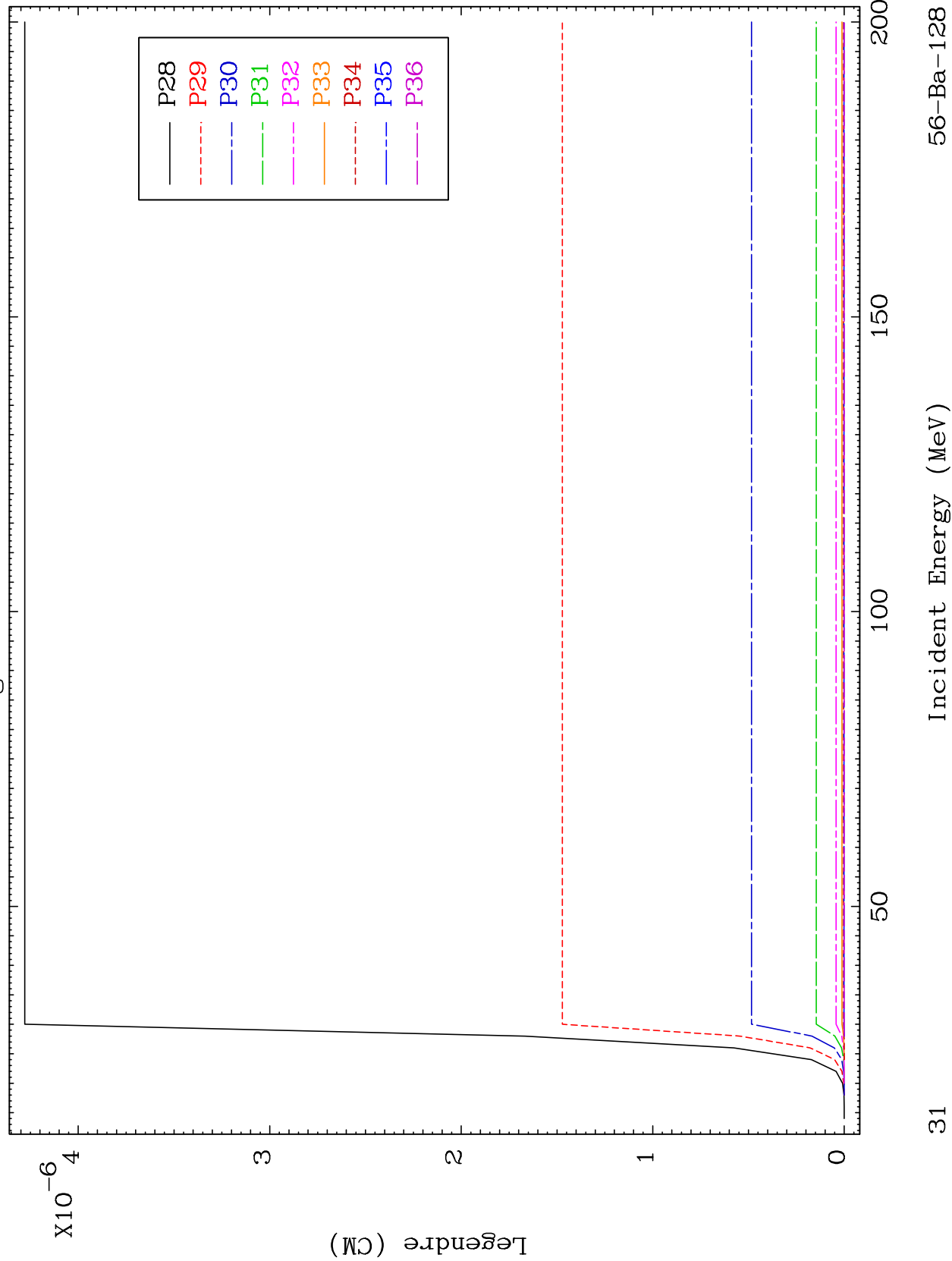
Incident Energy (MeV)

30

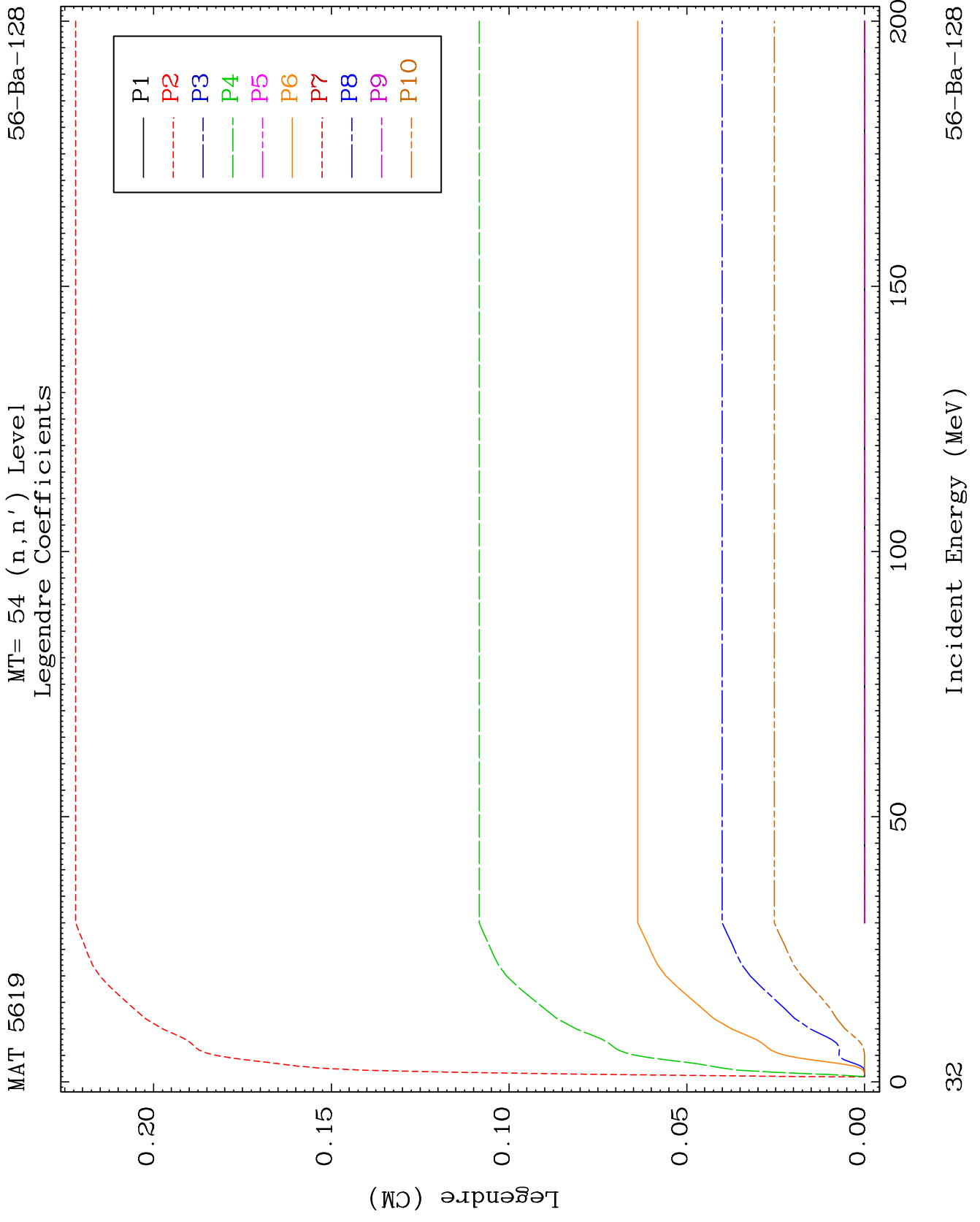
MAT 5619

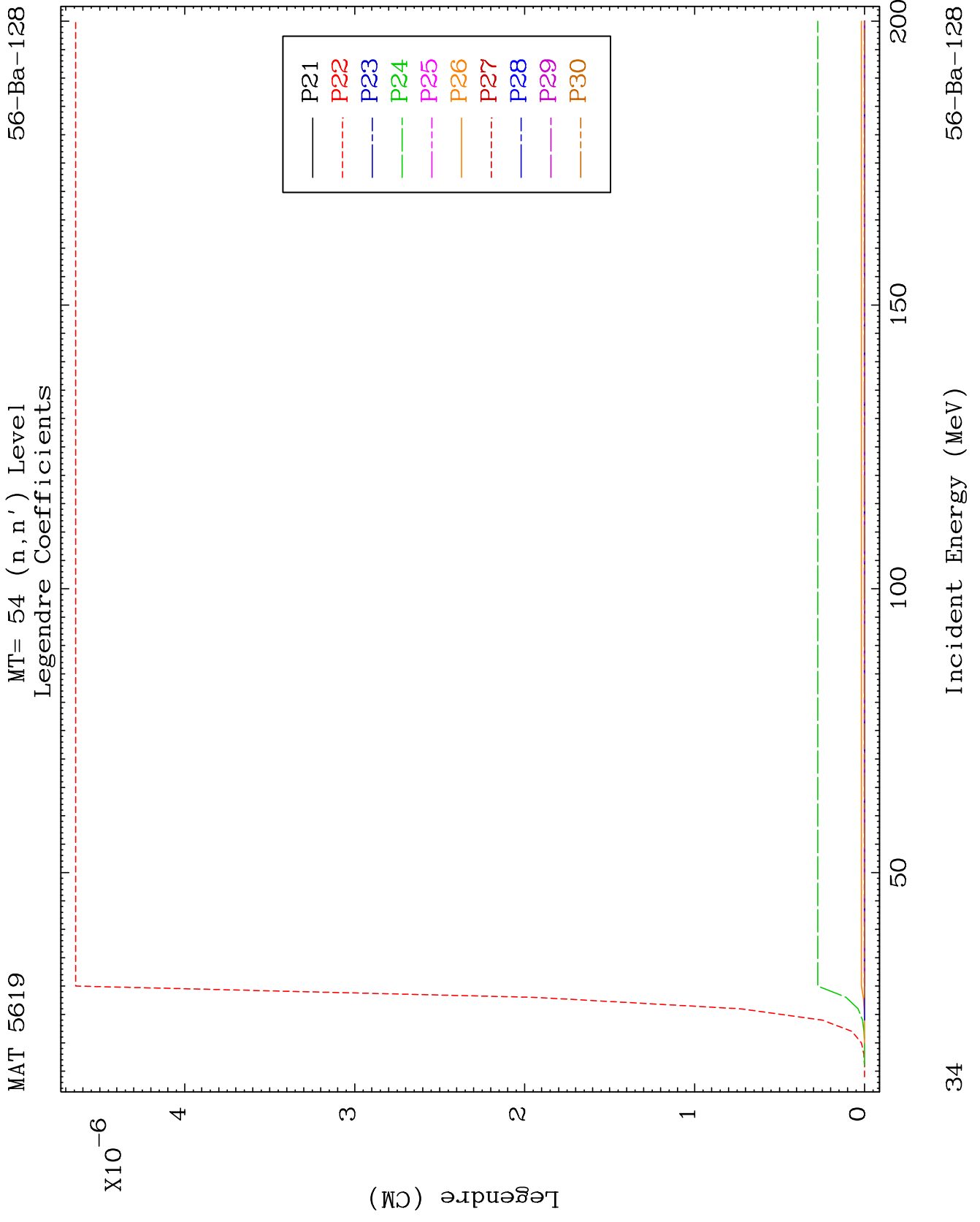
MT= 53 (n,n') Level
Legendre Coefficients

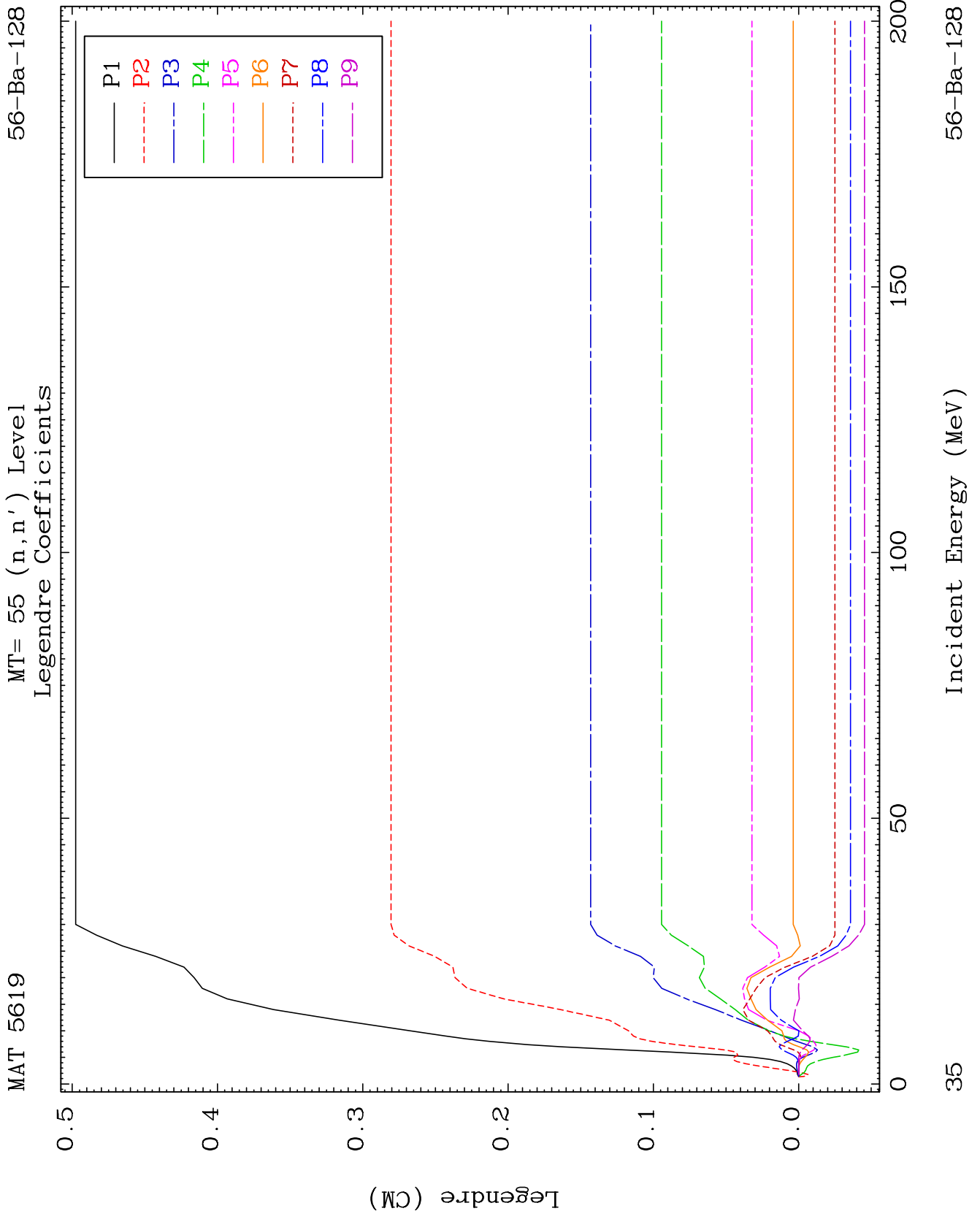
56-Ba-128

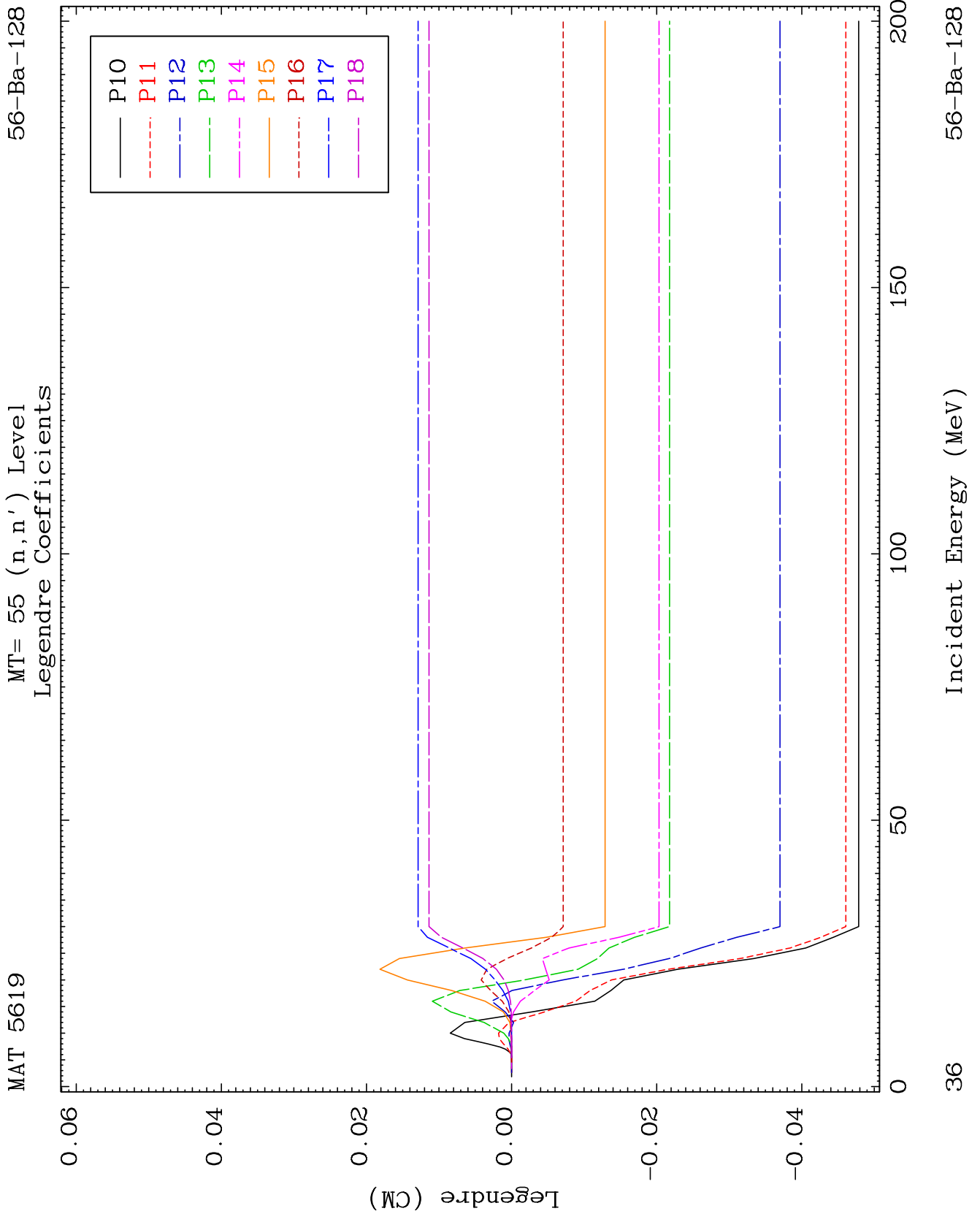


31





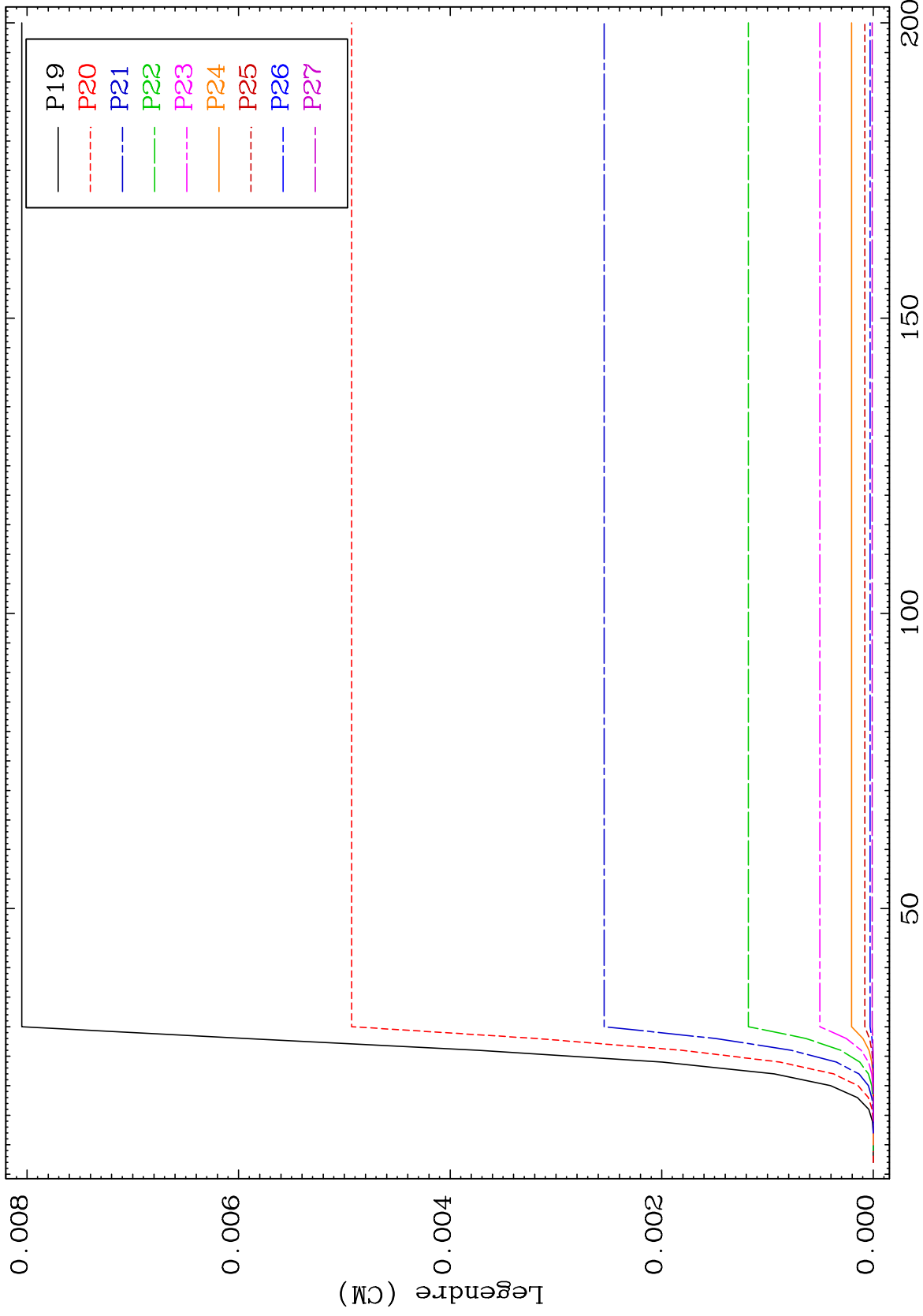




MAT 5619

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

56-Ba-128



37

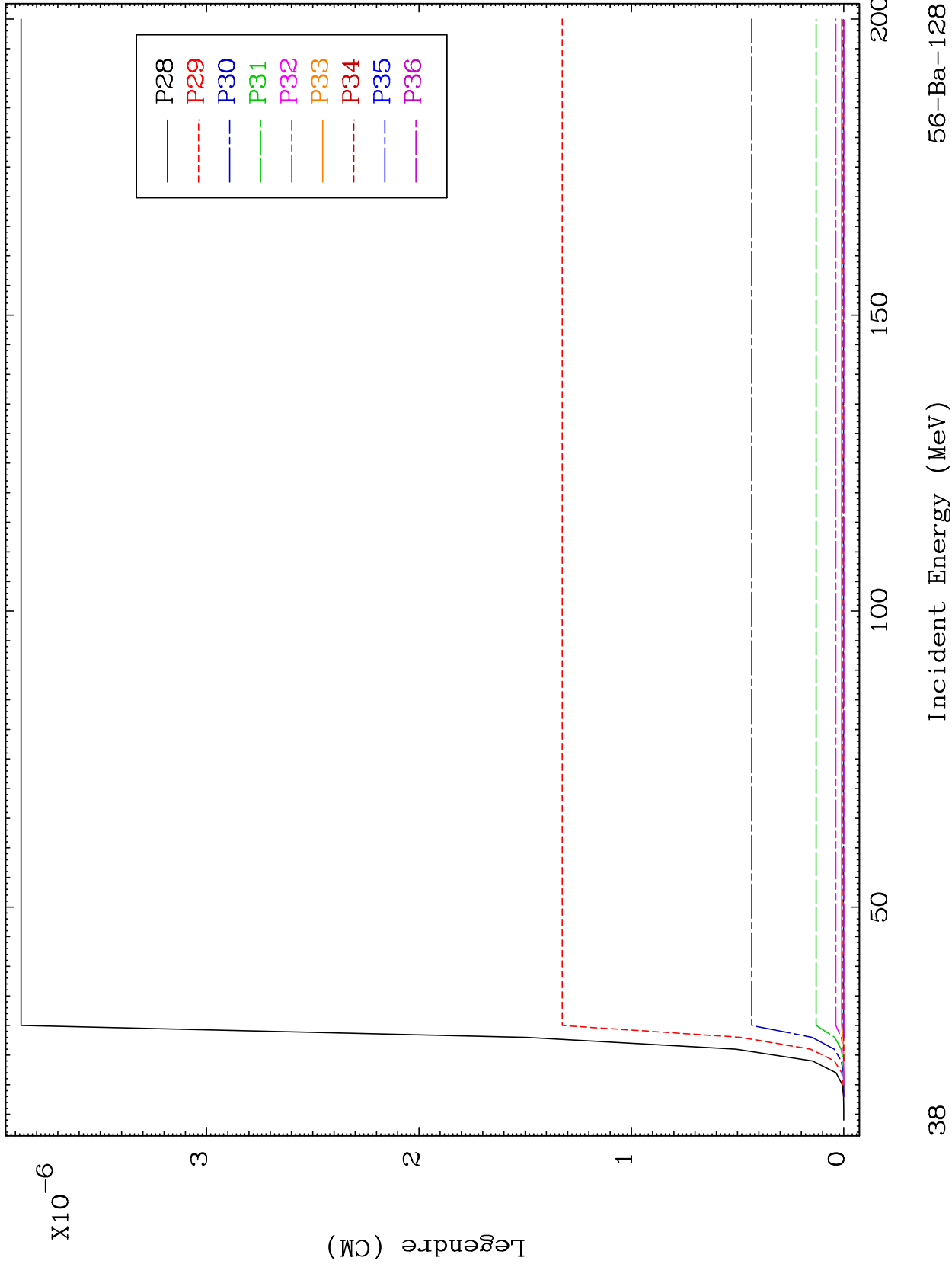
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

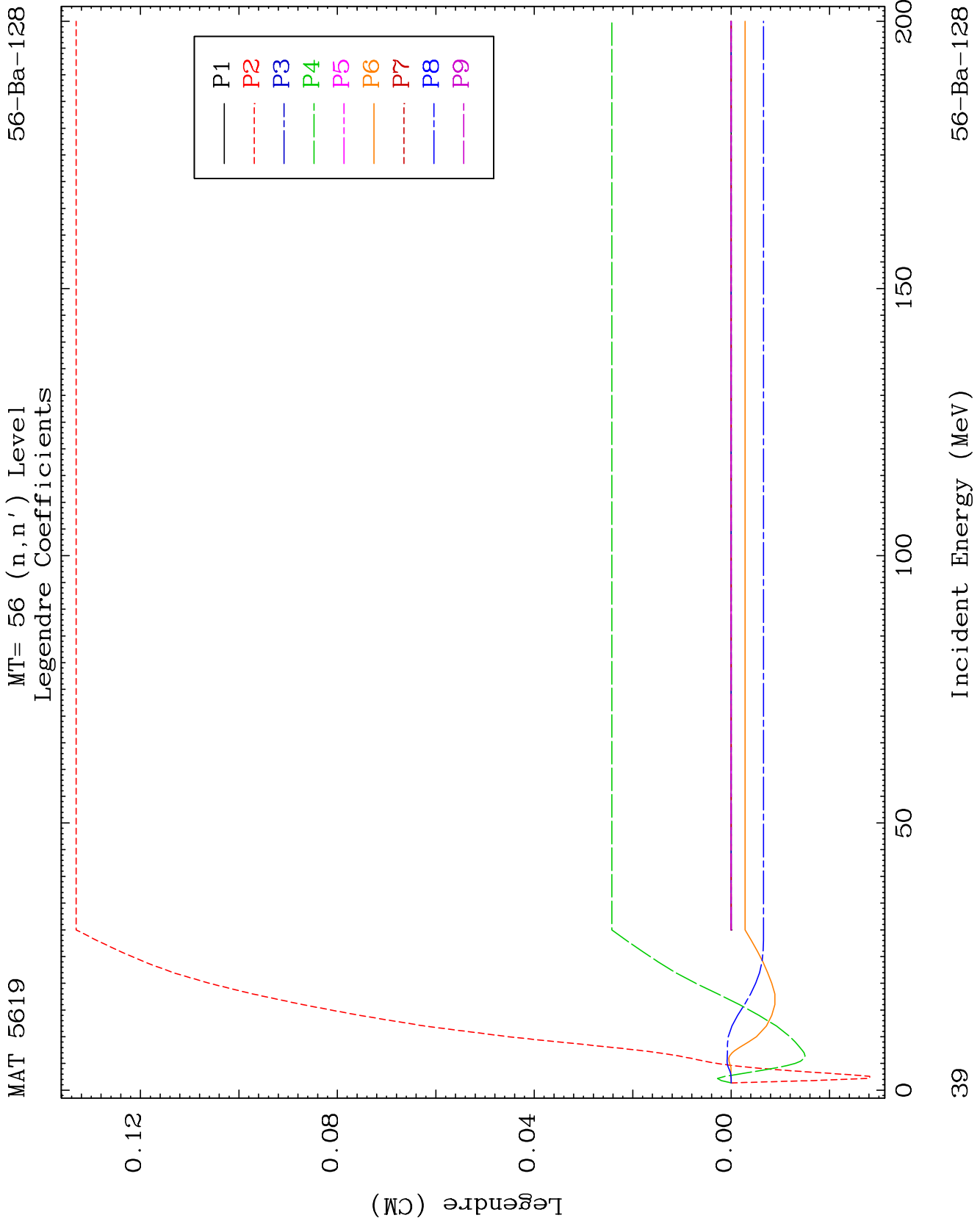
56-Ba-128



38

Incident Energy (MeV)

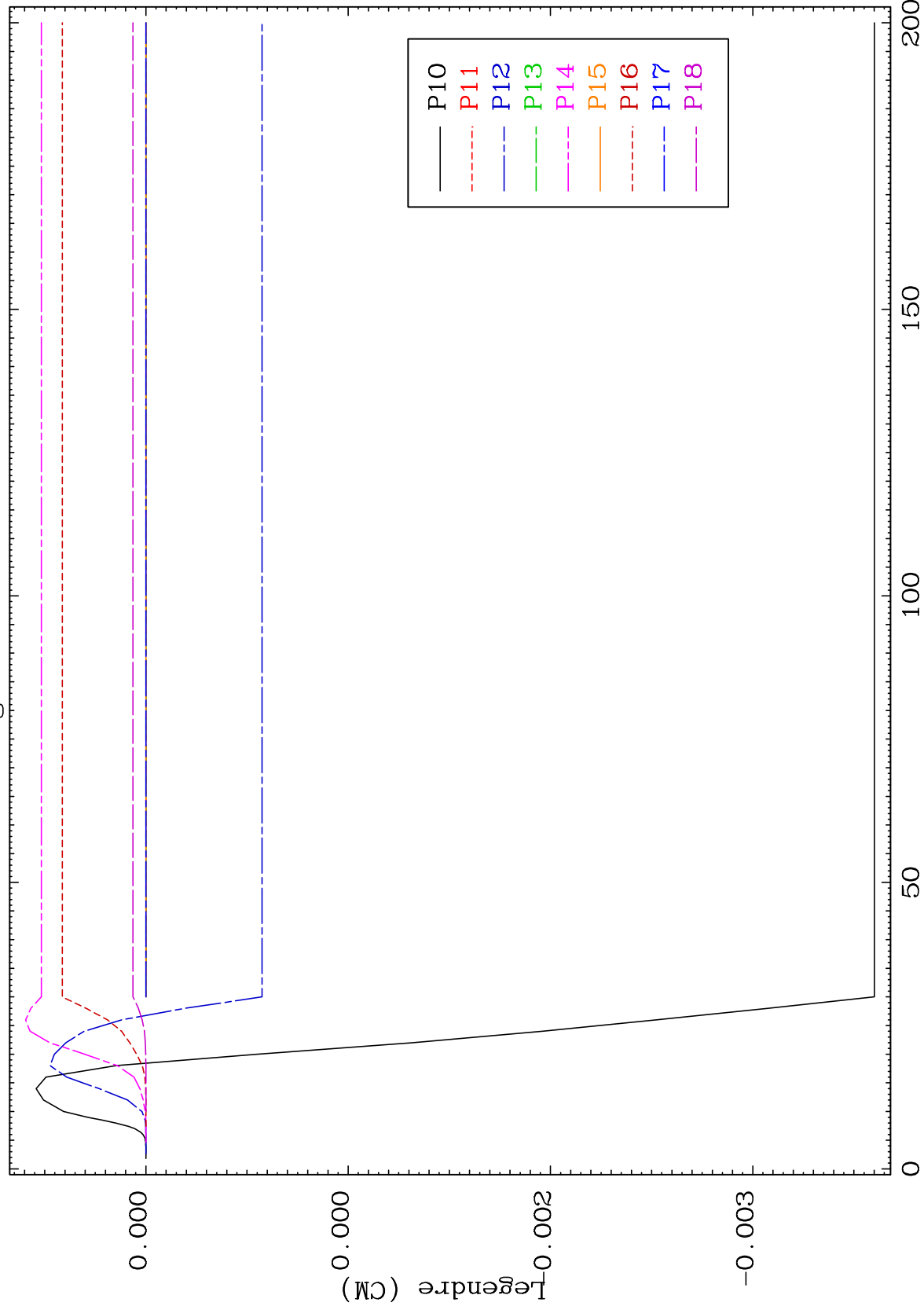
56-Ba-128



MAT 5619

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

56-Ba-128



56-Ba-128

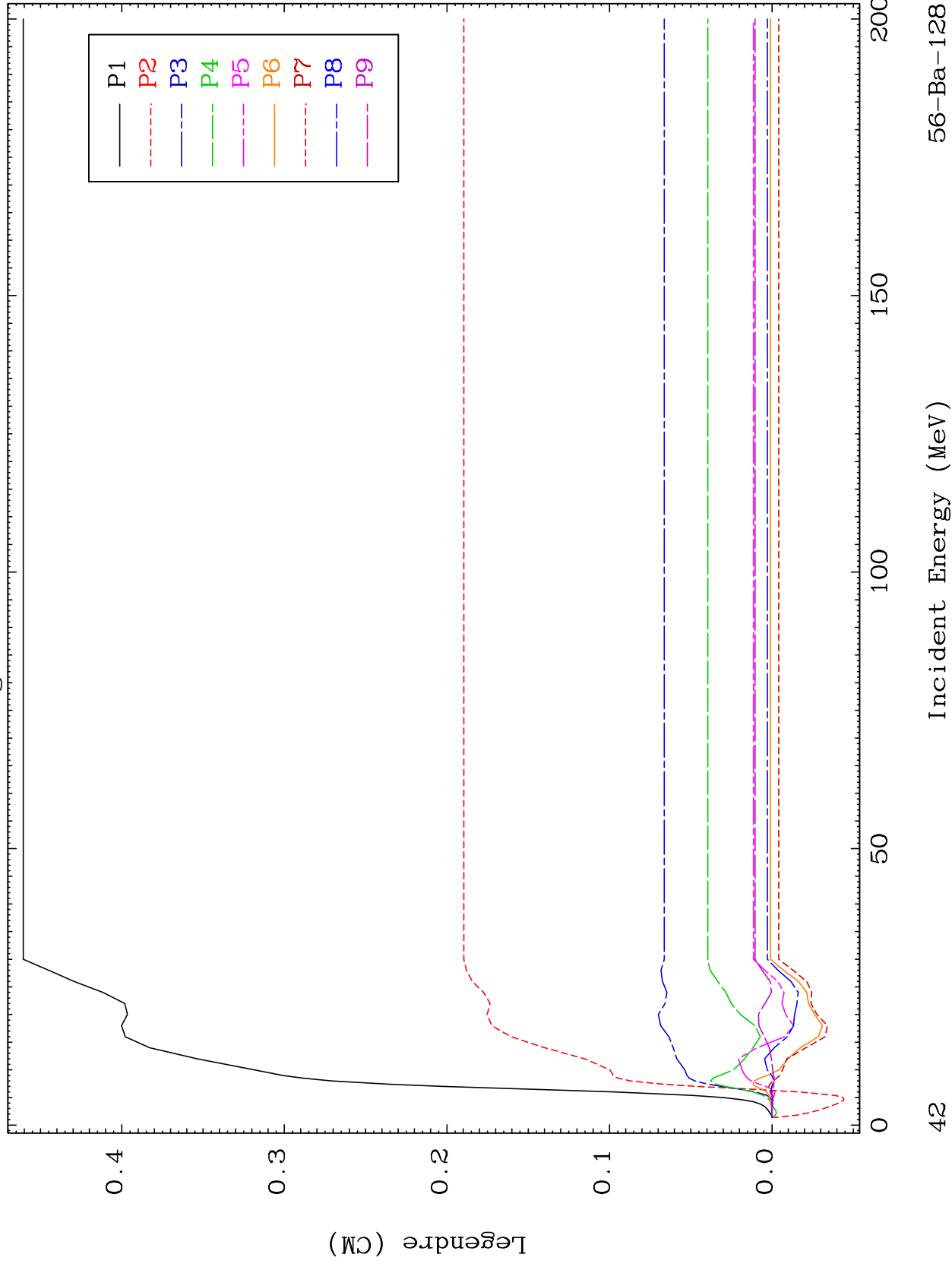
Incident Energy (MeV)

40

MAT 5619

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

56-Ba-128



56-Ba-128

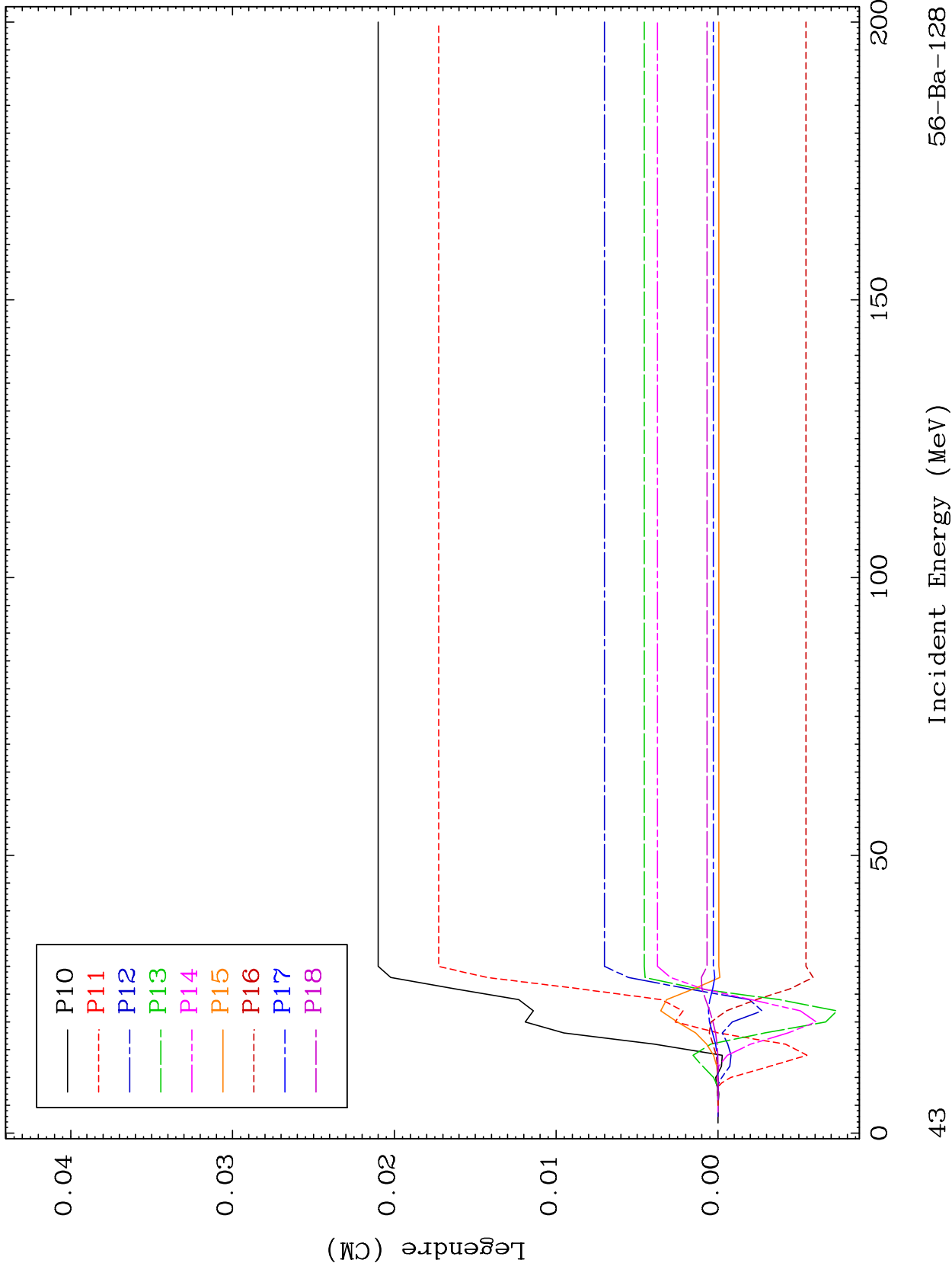
Incident Energy (MeV)

42

MAT 5619

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

56-Ba-128



43

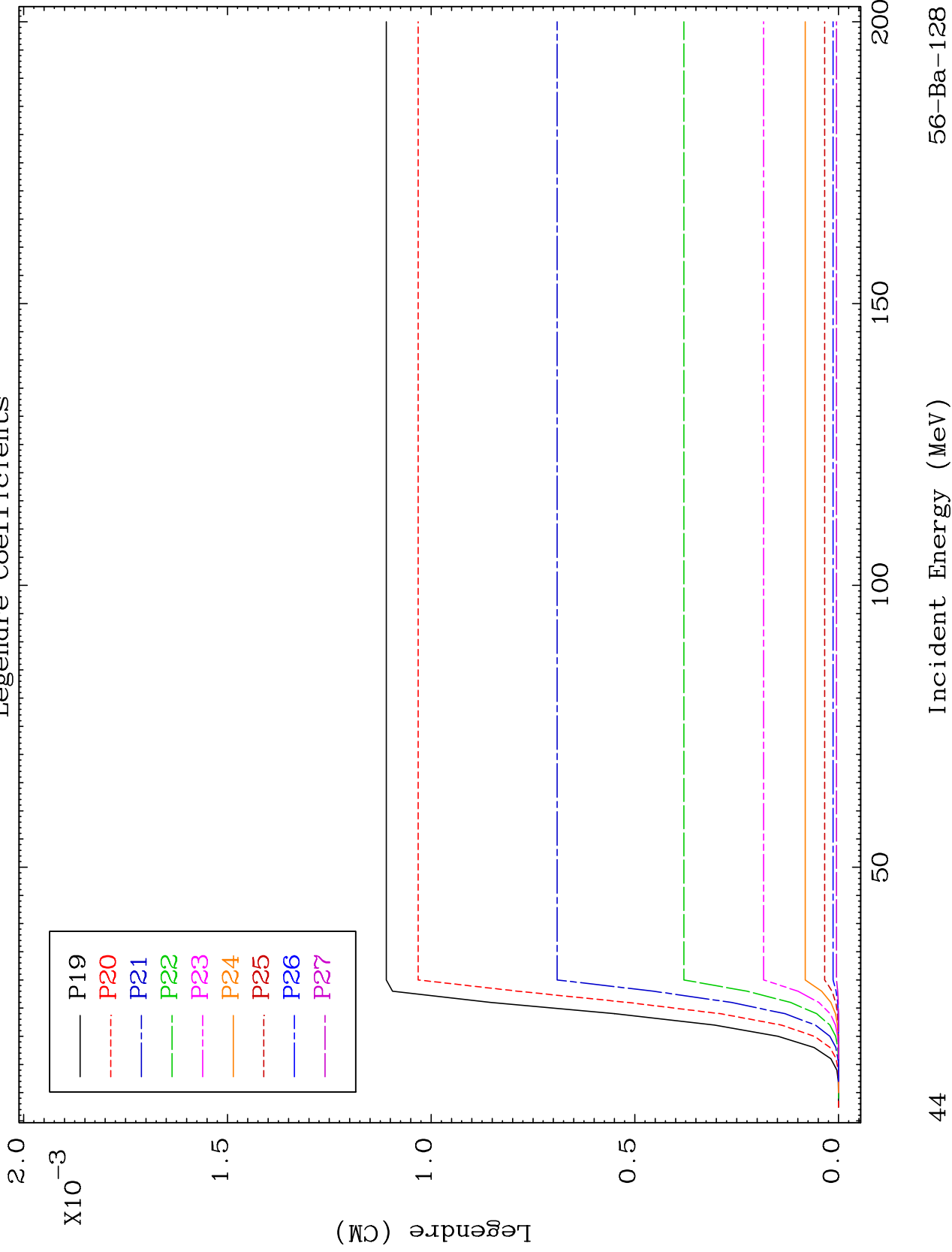
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

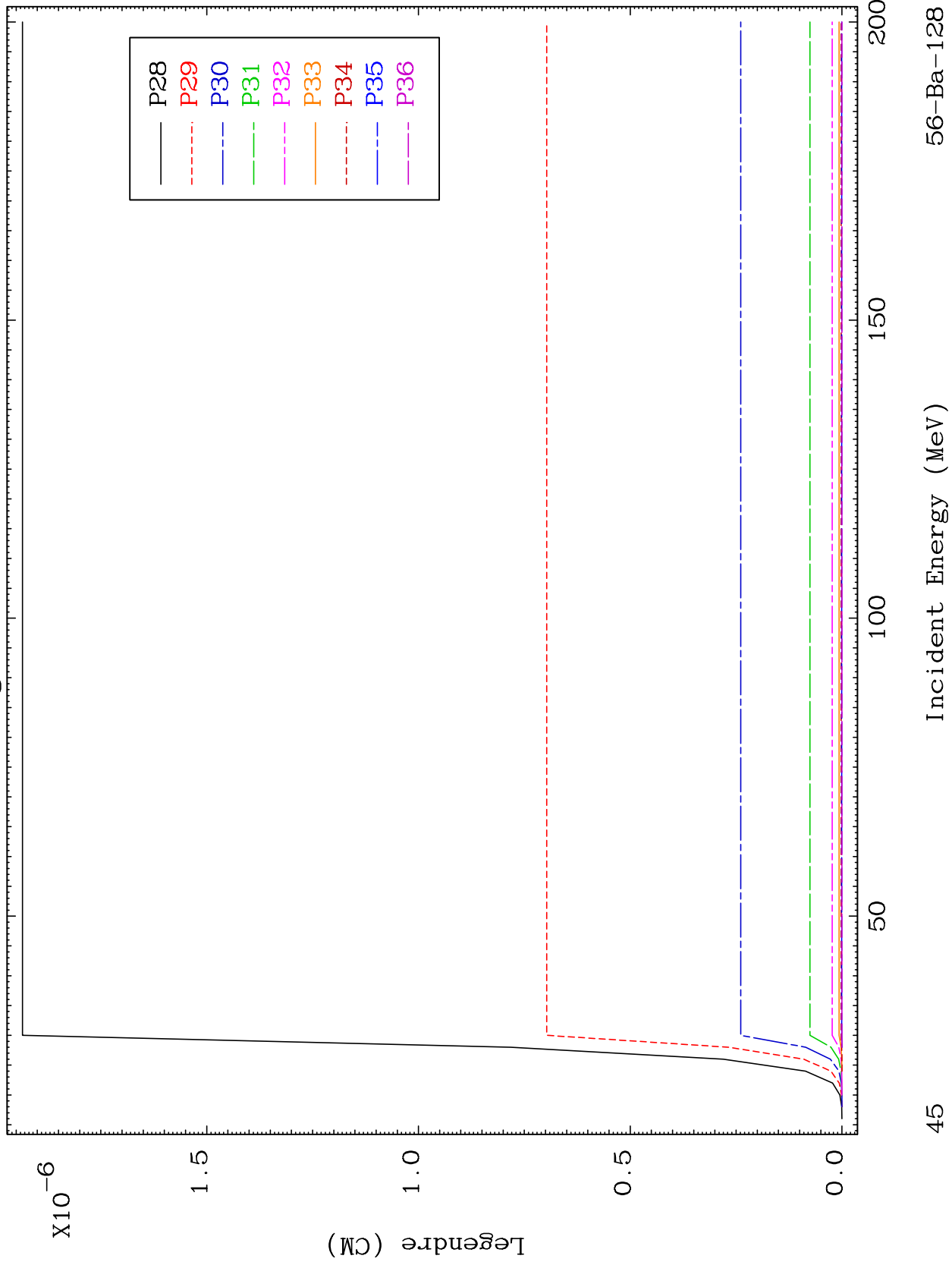
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MAT 5619

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

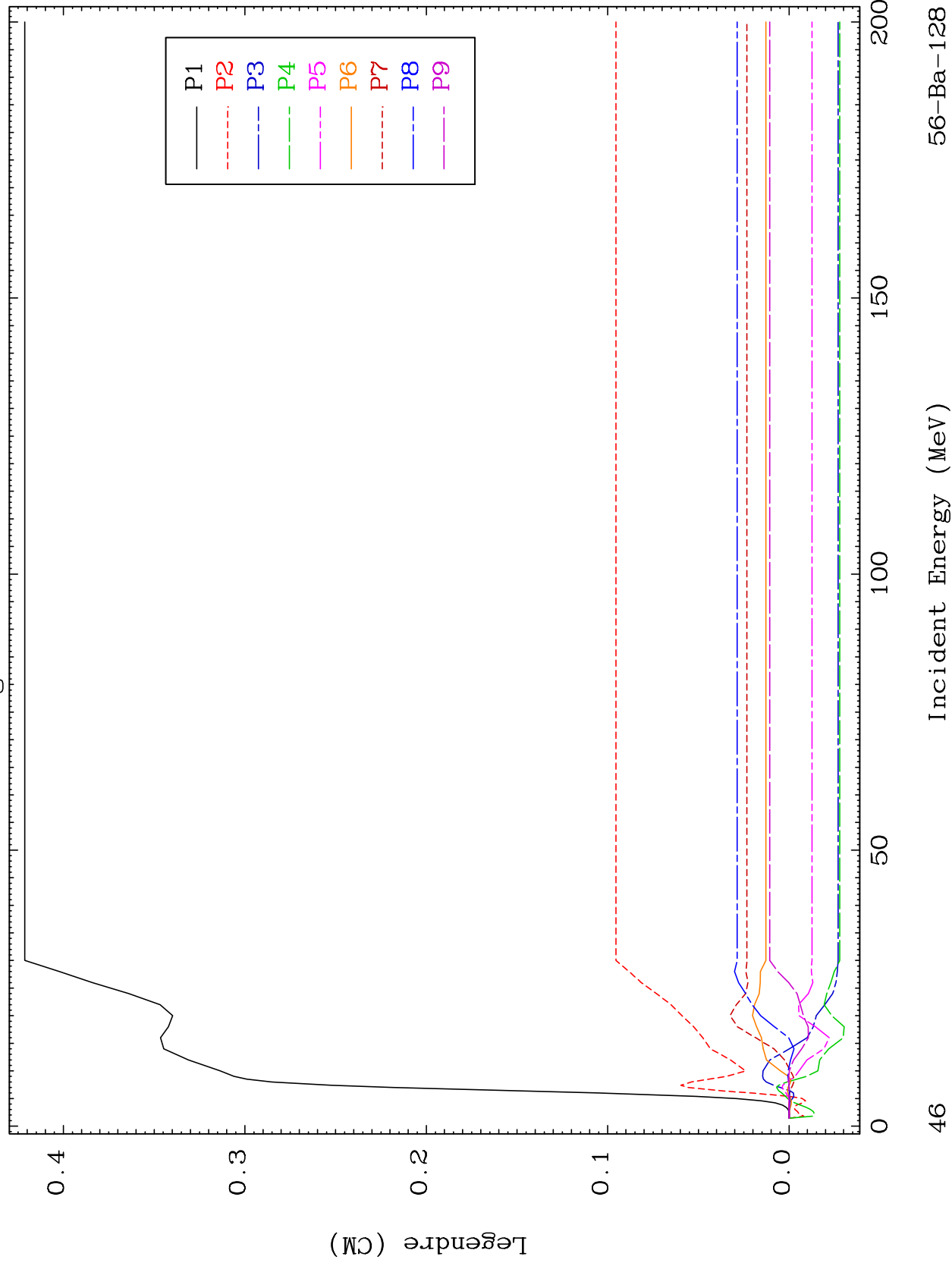
56-Ba-128



MAT 5619

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

56-Ba-128



56-Ba-128

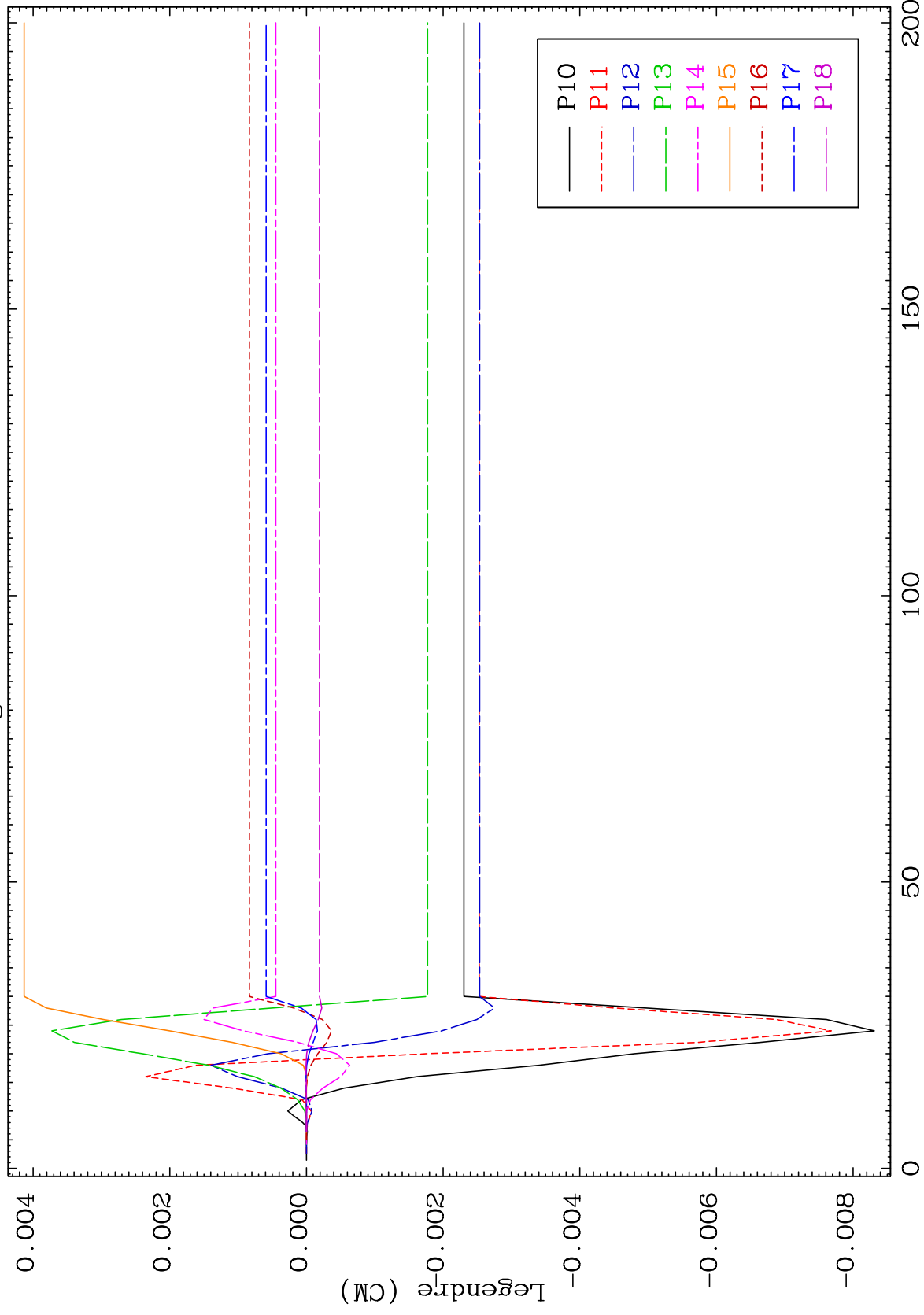
Incident Energy (MeV)

46

MAT 5619

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

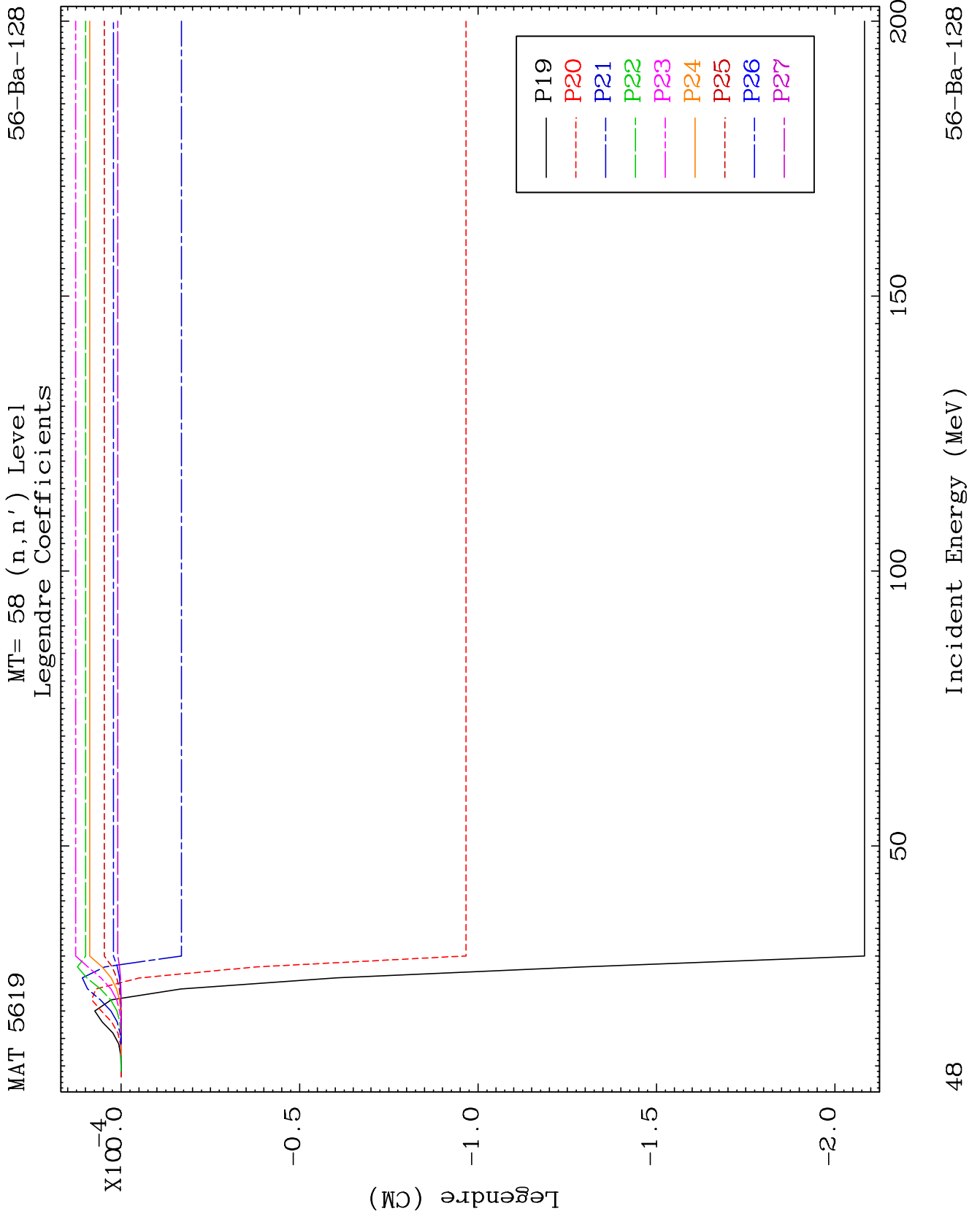
56-Ba-128



47

Incident Energy (MeV)

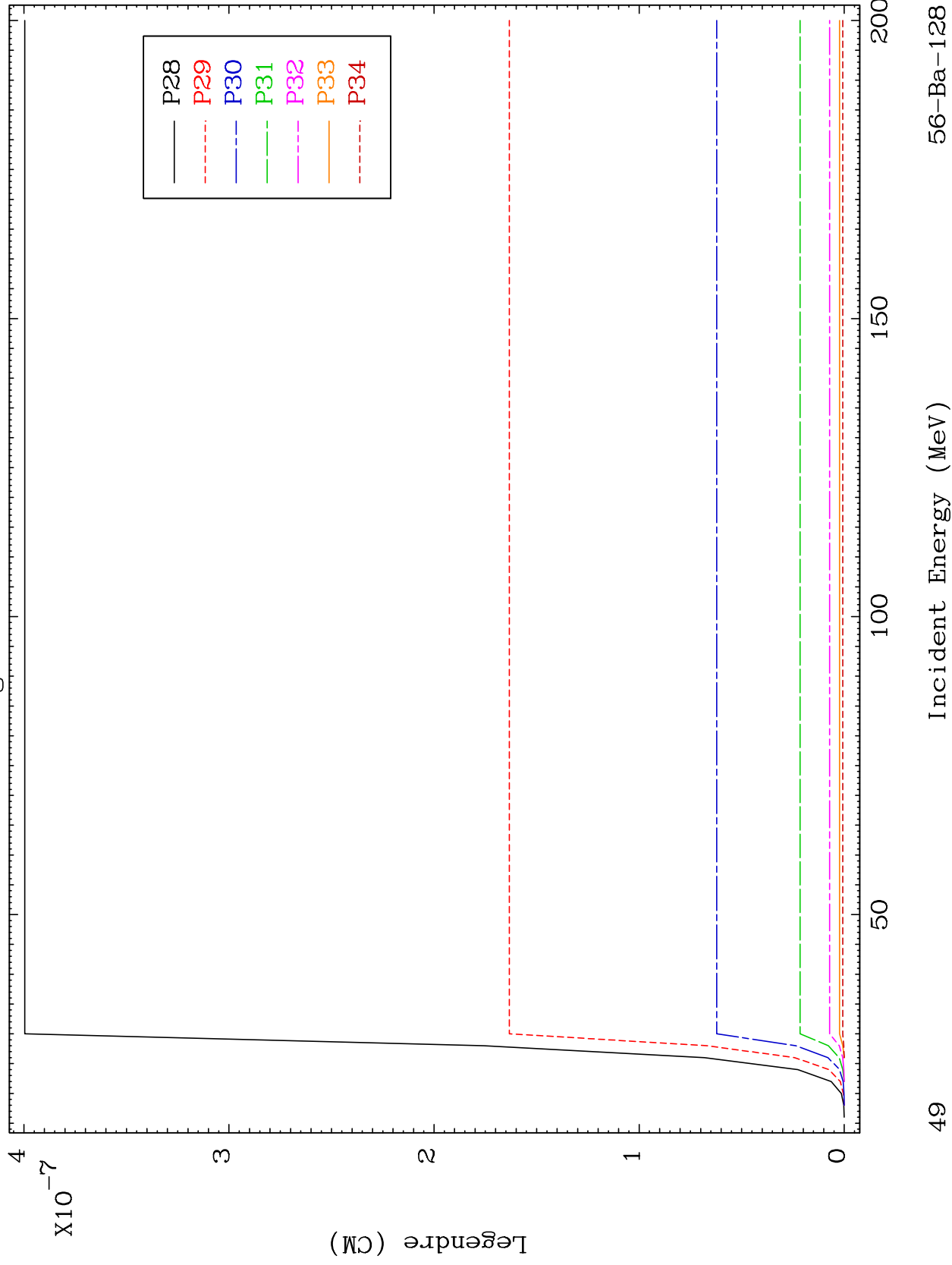
56-Ba-128

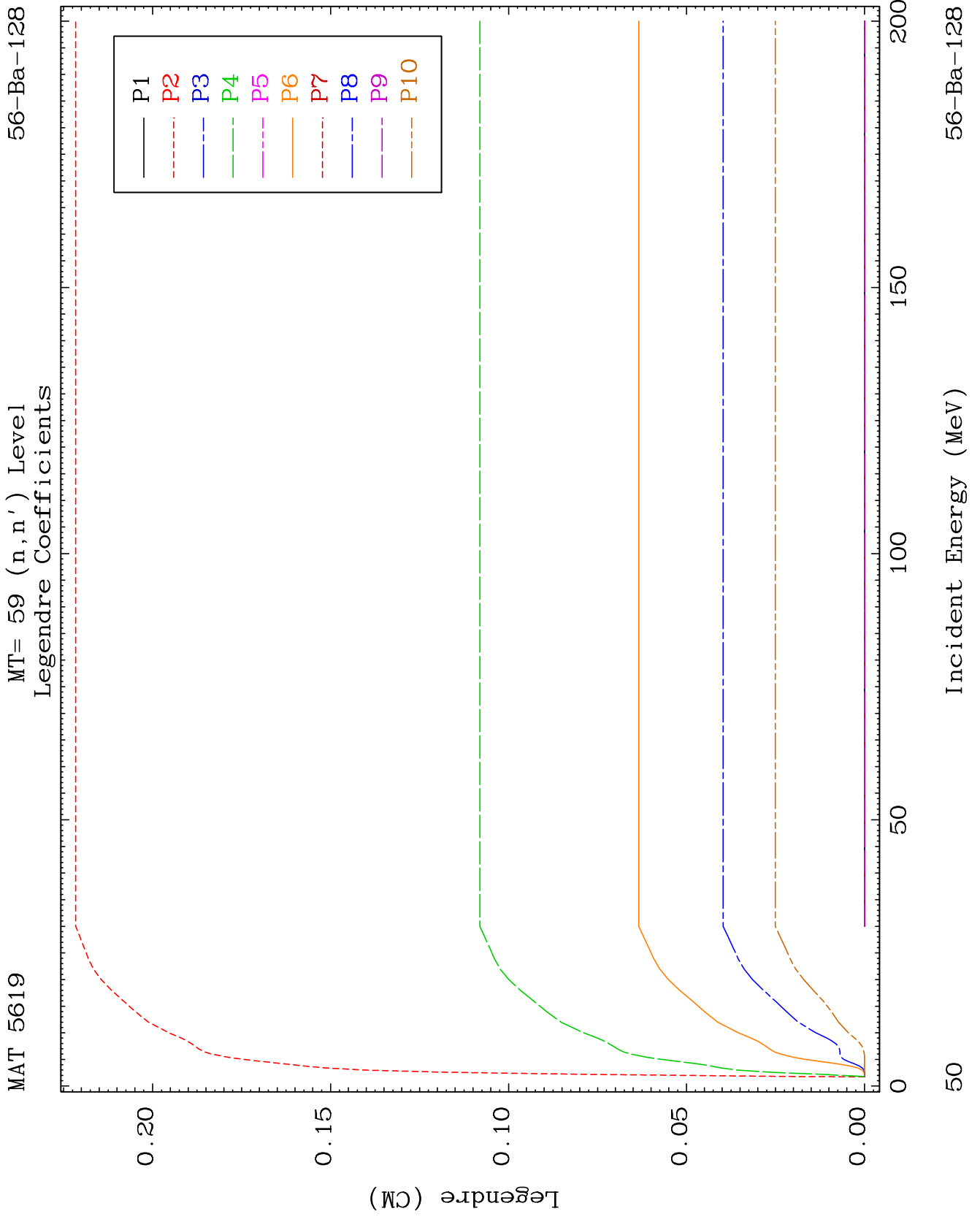


MAT 5619

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

56-Ba-128

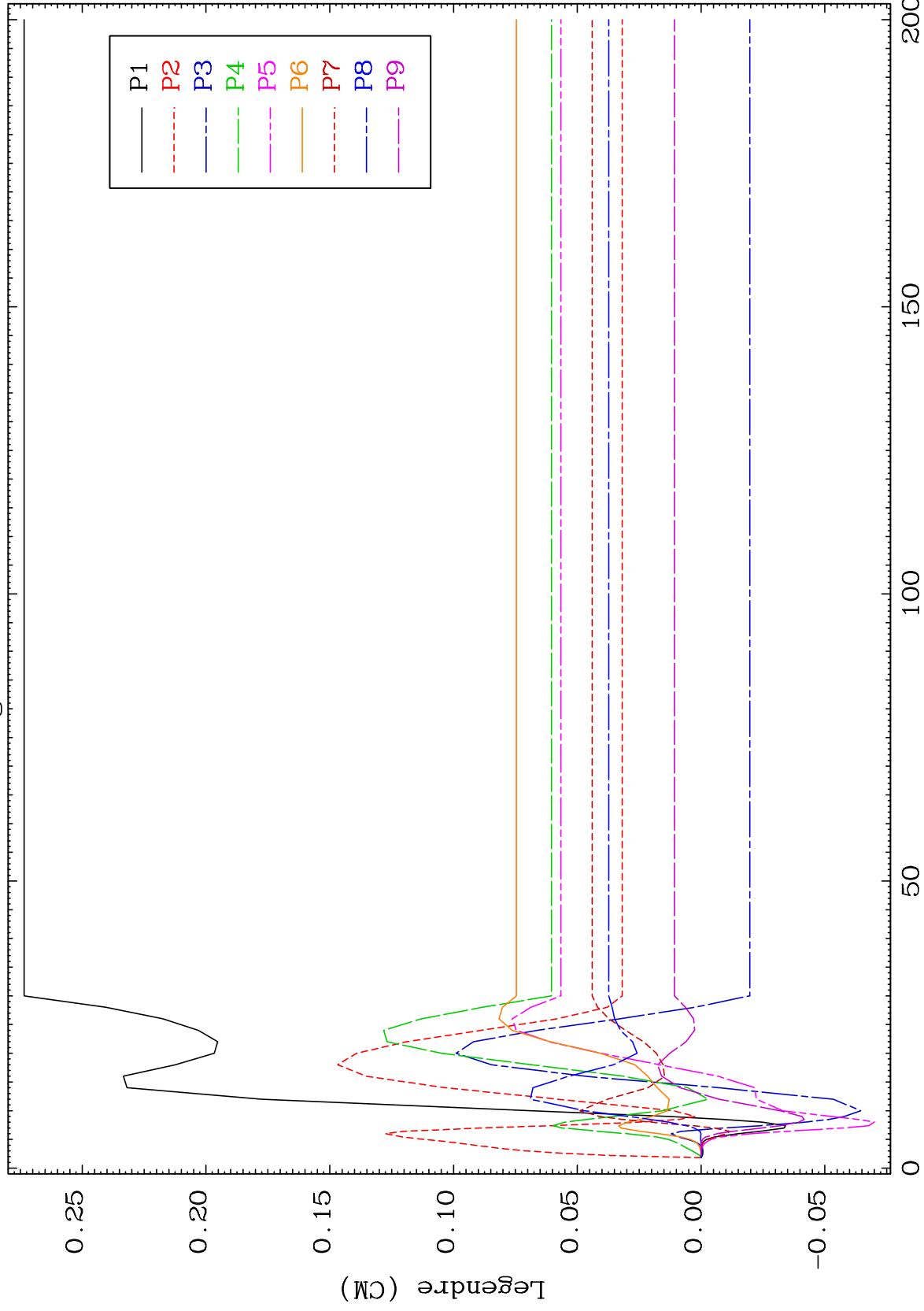




MAT 5619

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

56-Ba-128



53

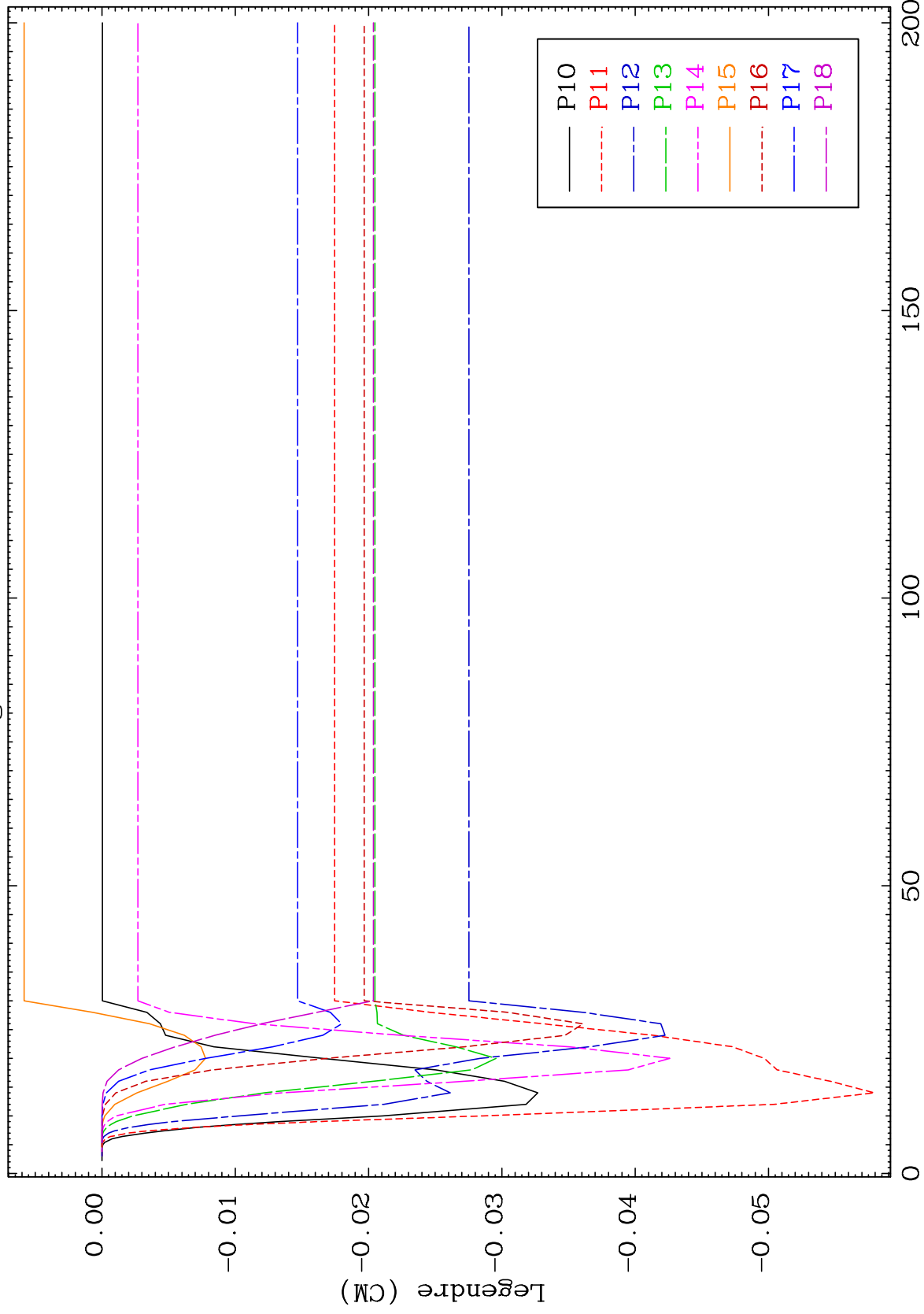
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

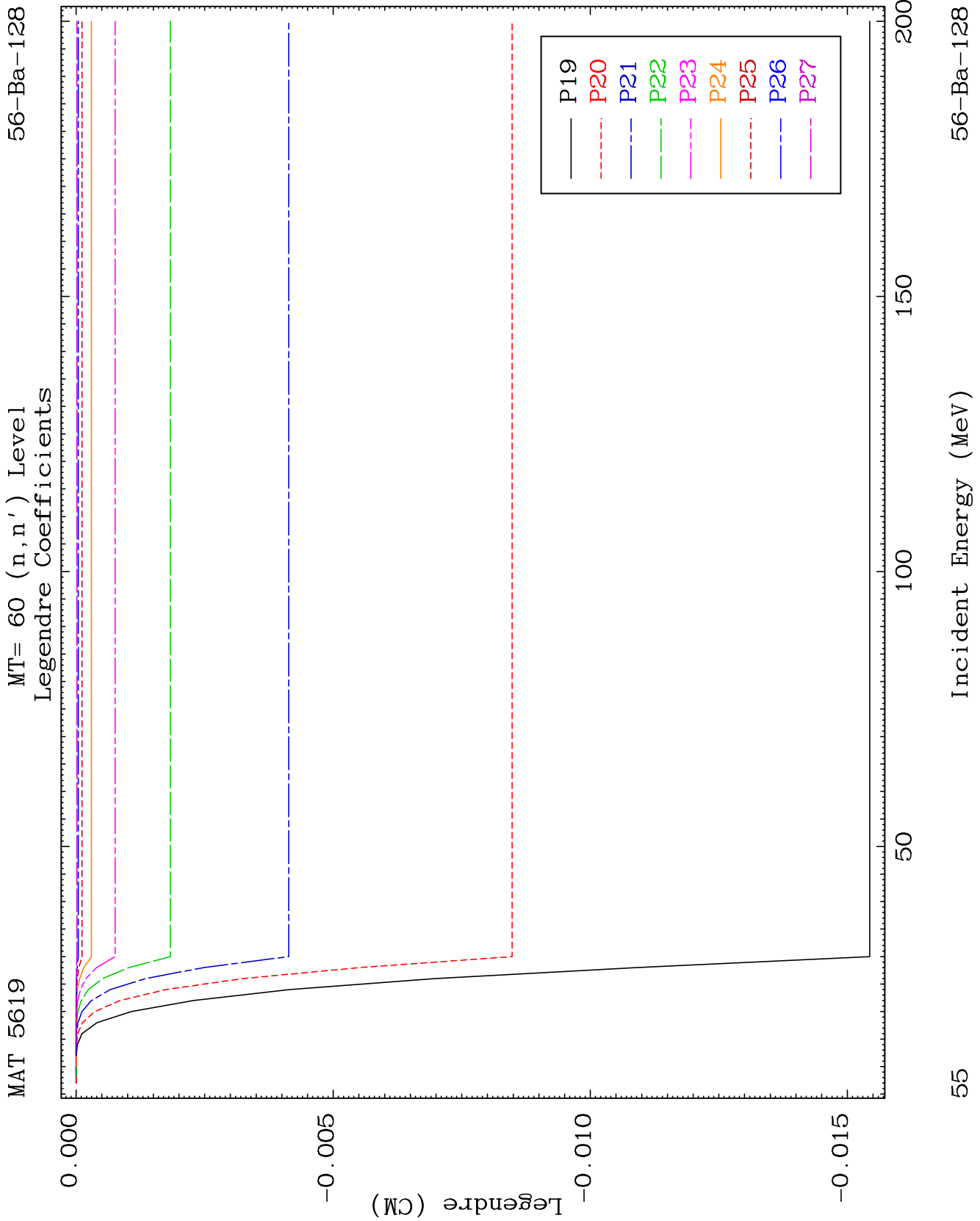
56-Ba-128

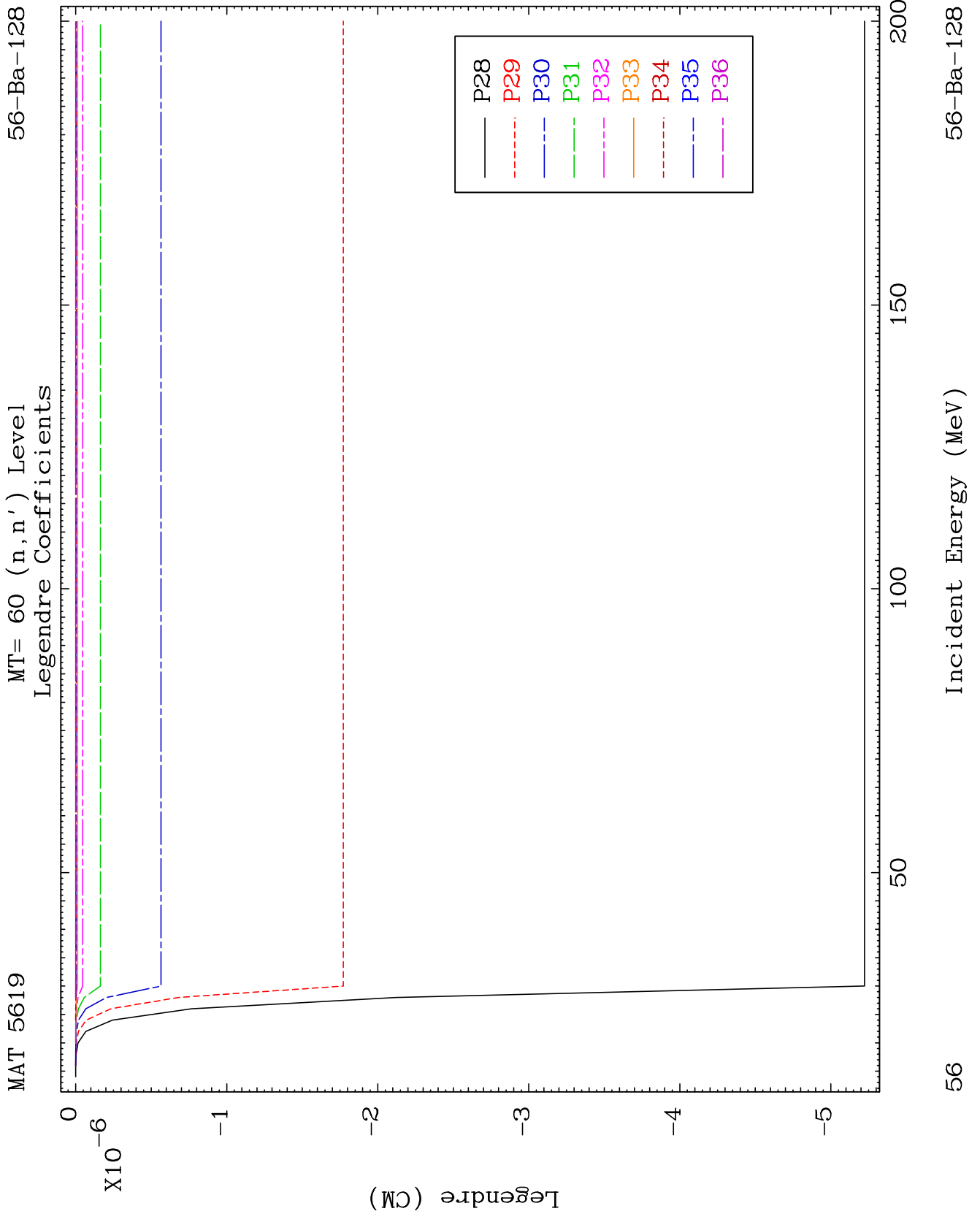


54

Incident Energy (MeV)

56-Ba-128

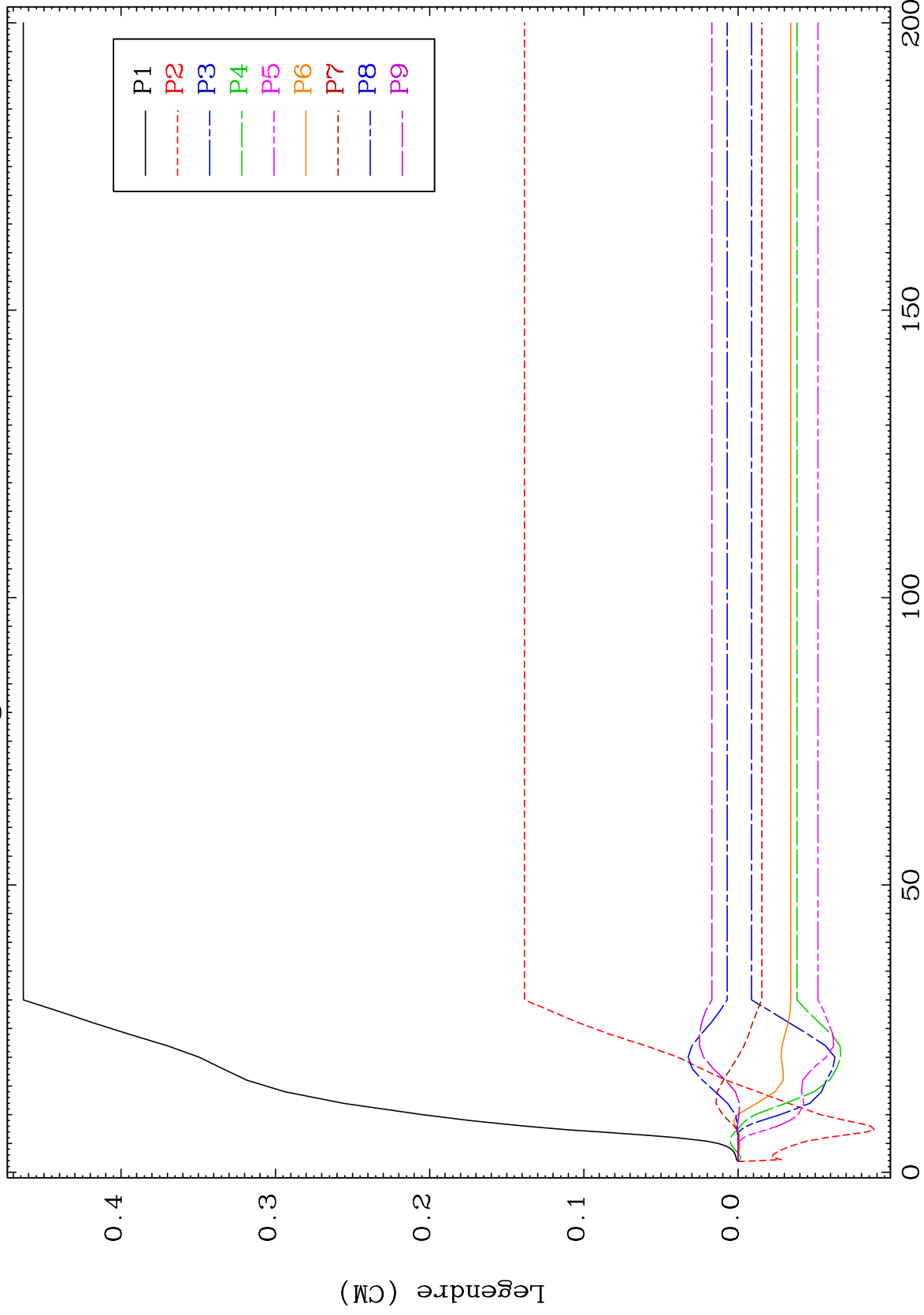




MAT 5619

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

56-Ba-128



57

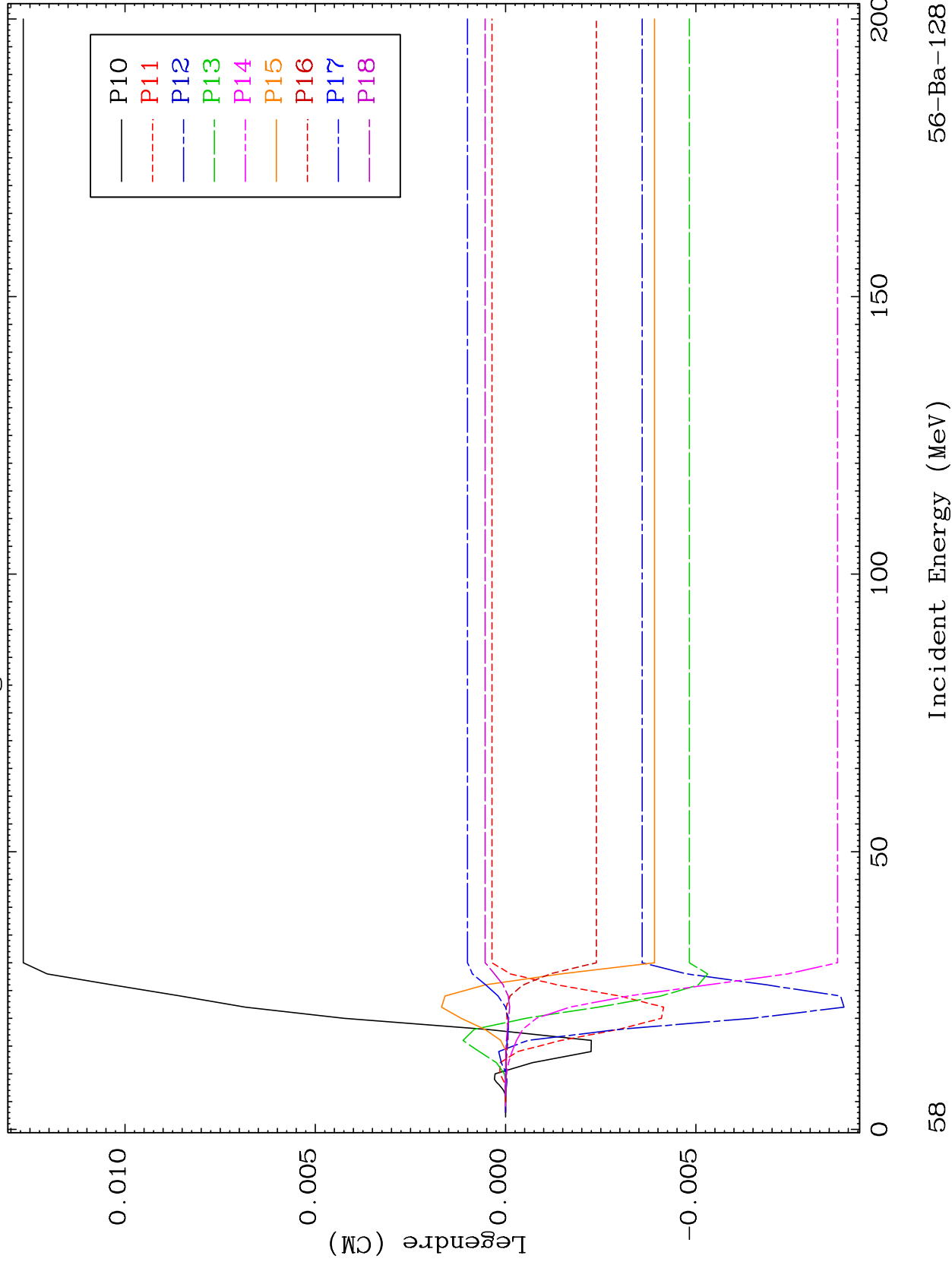
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

56-Ba-128



56-Ba-128

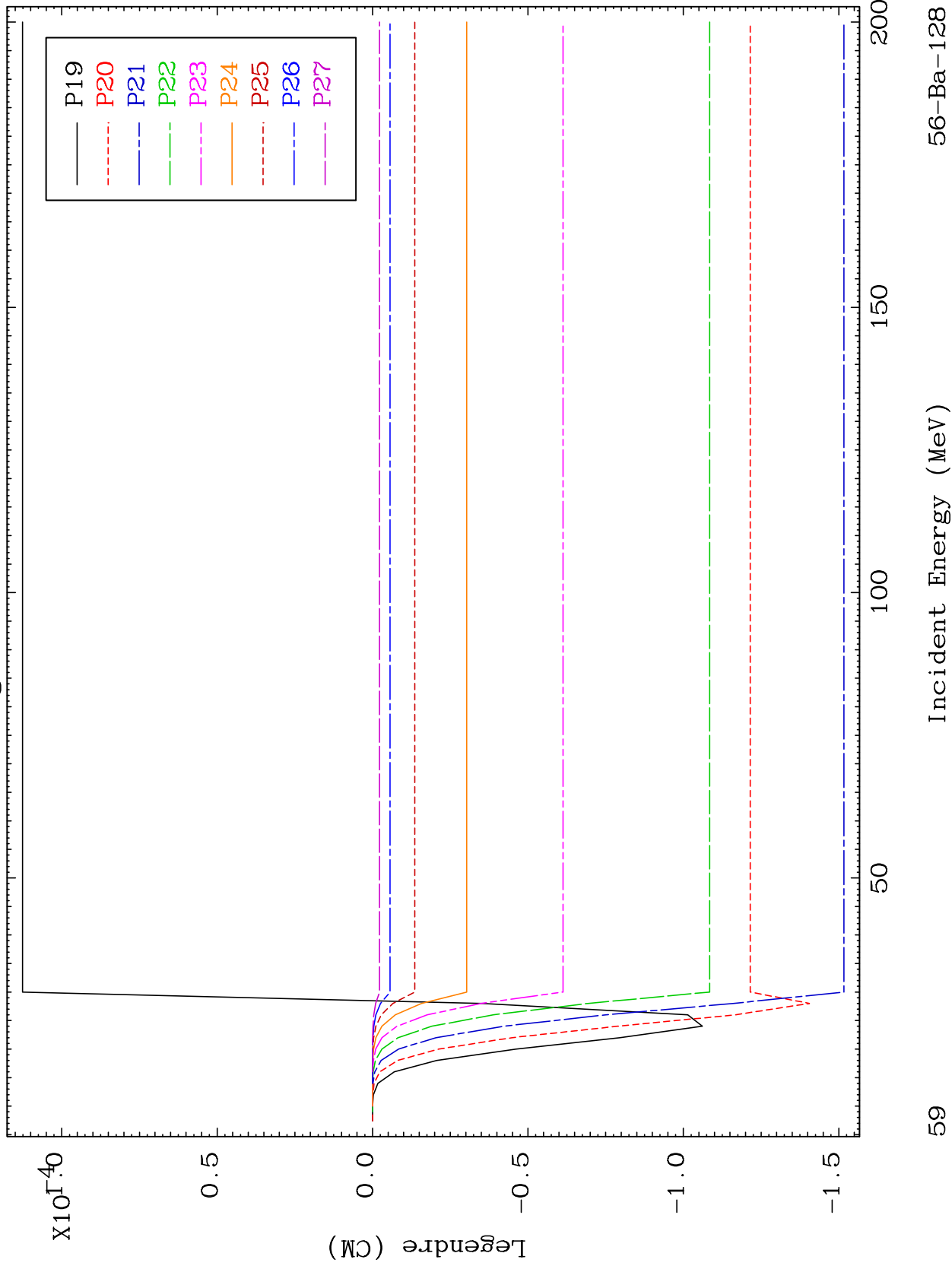
Incident Energy (MeV)

58

MAT 5619

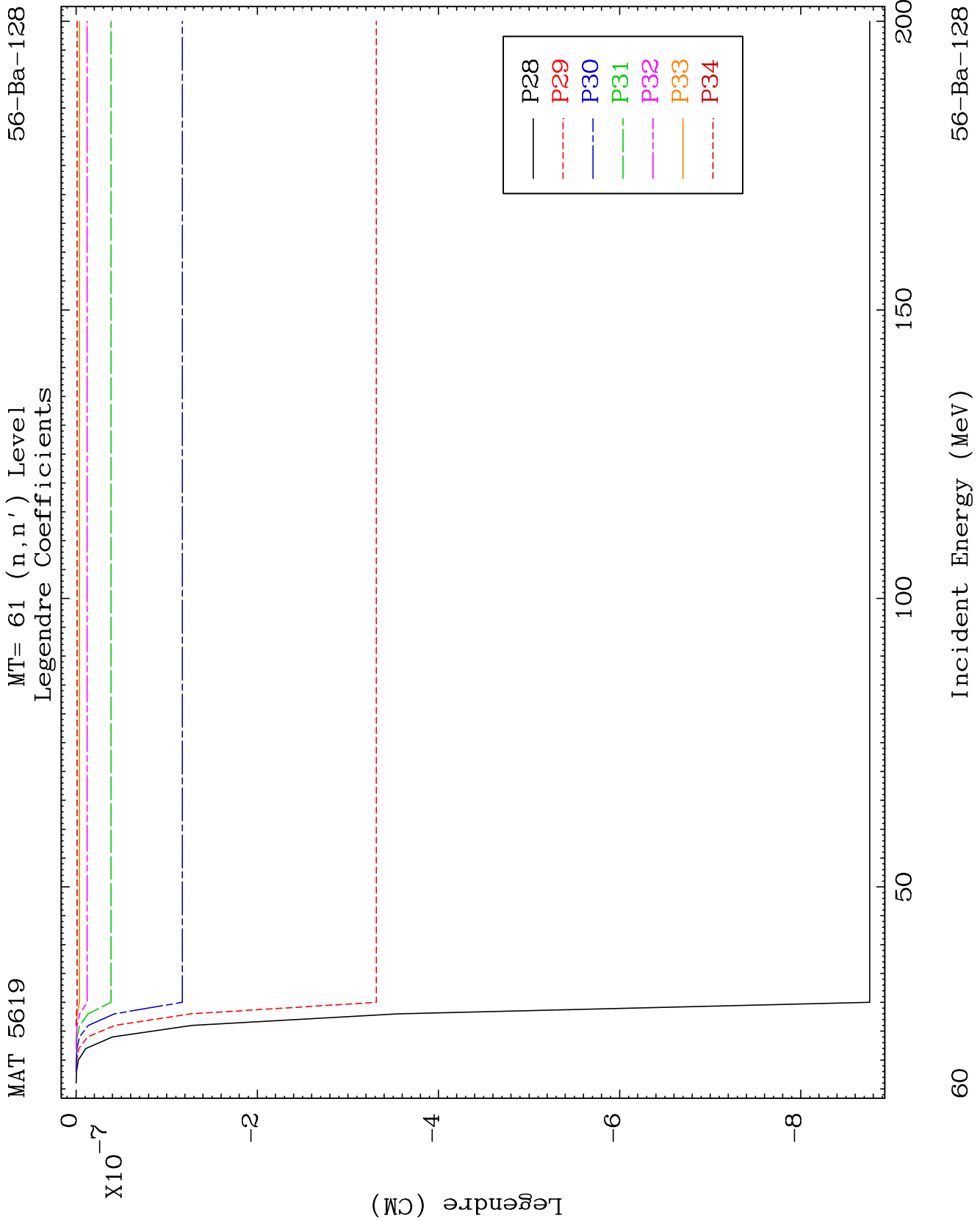
MT= 61 (n,n') Level
Legendre Coefficients

56-Ba-128



59

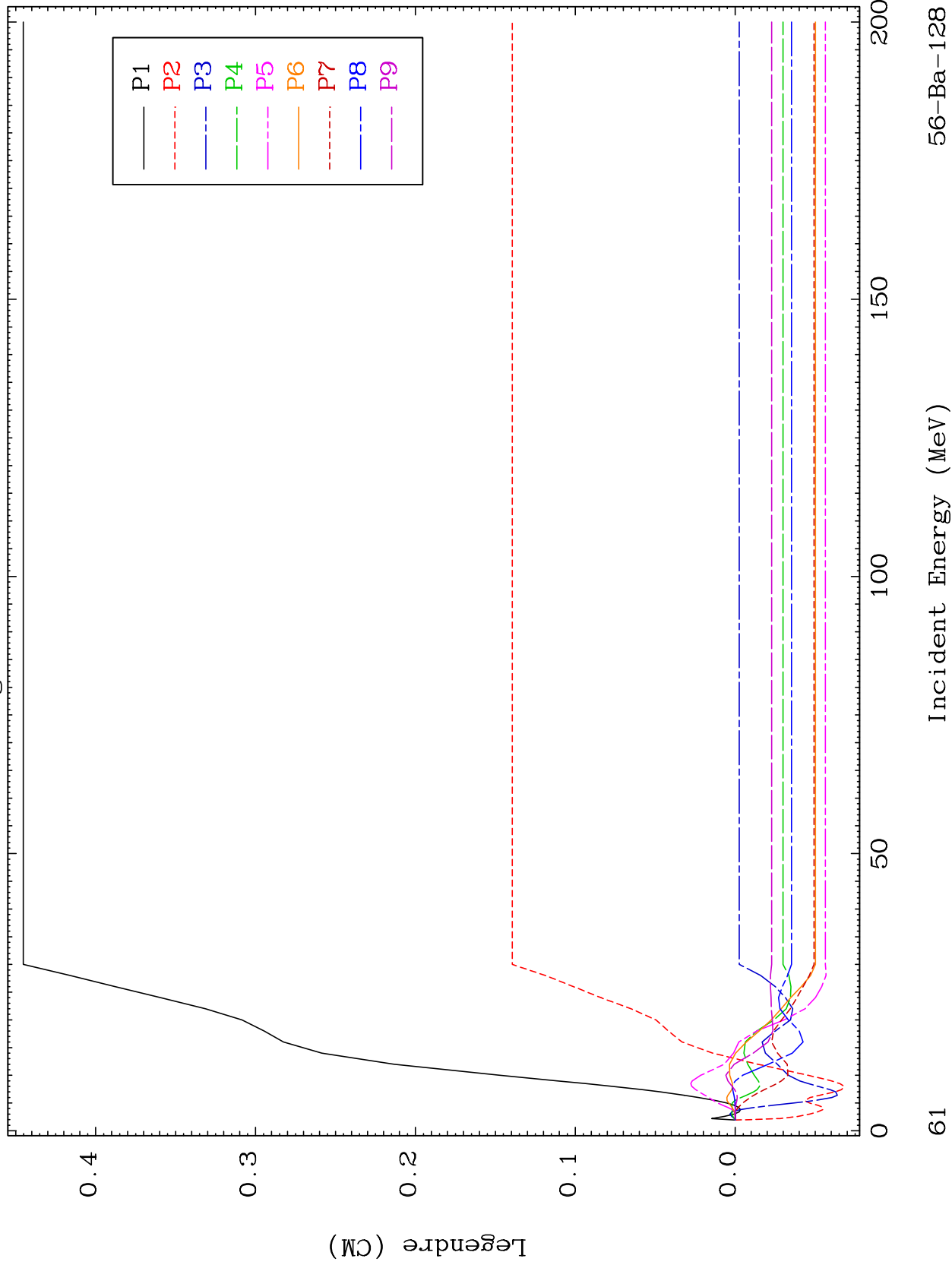
56-Ba-128



MAT 5619

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

56-Ba-128



56-Ba-128

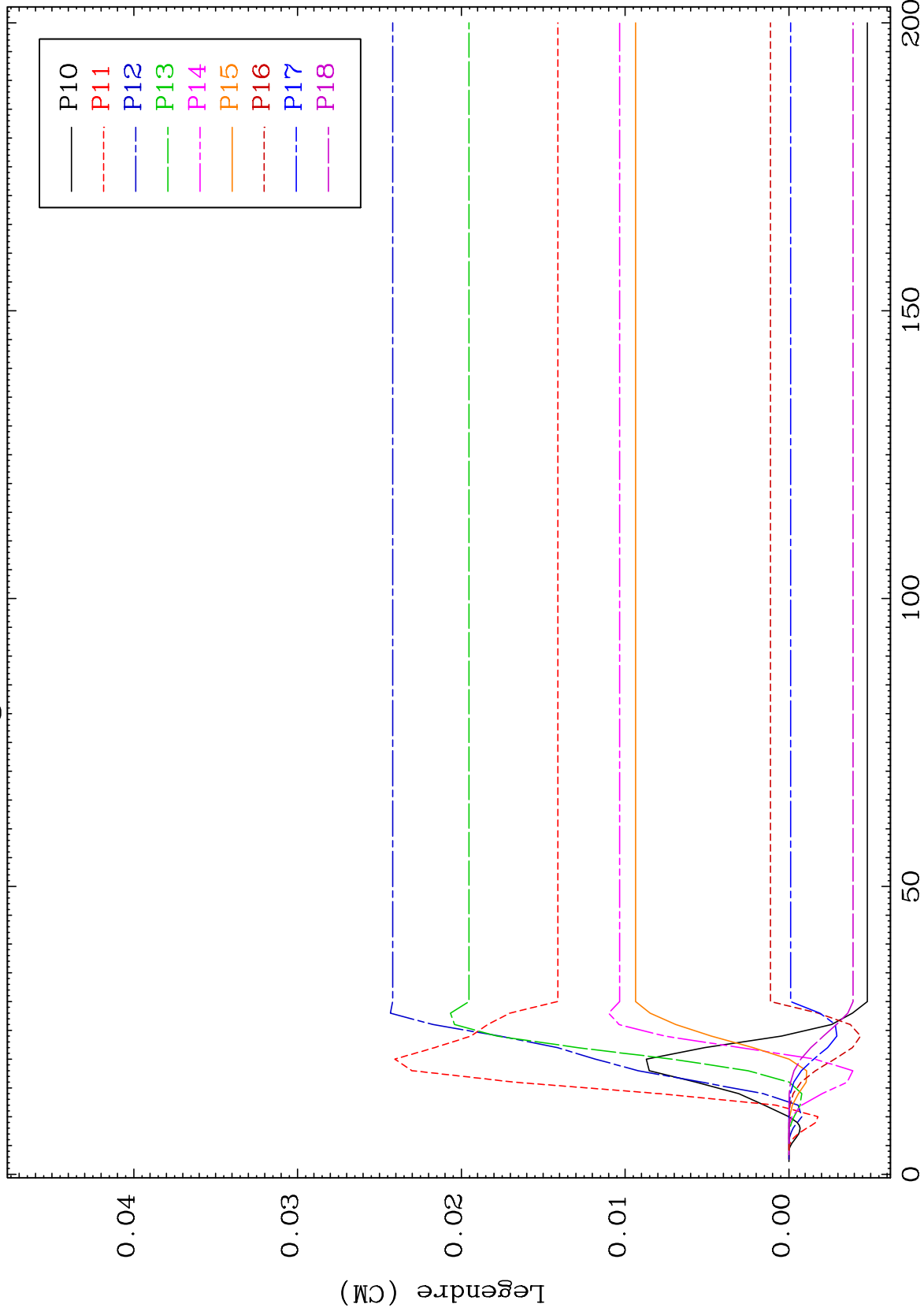
Incident Energy (MeV)

61

MAT 5619

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

56-Ba-128



62

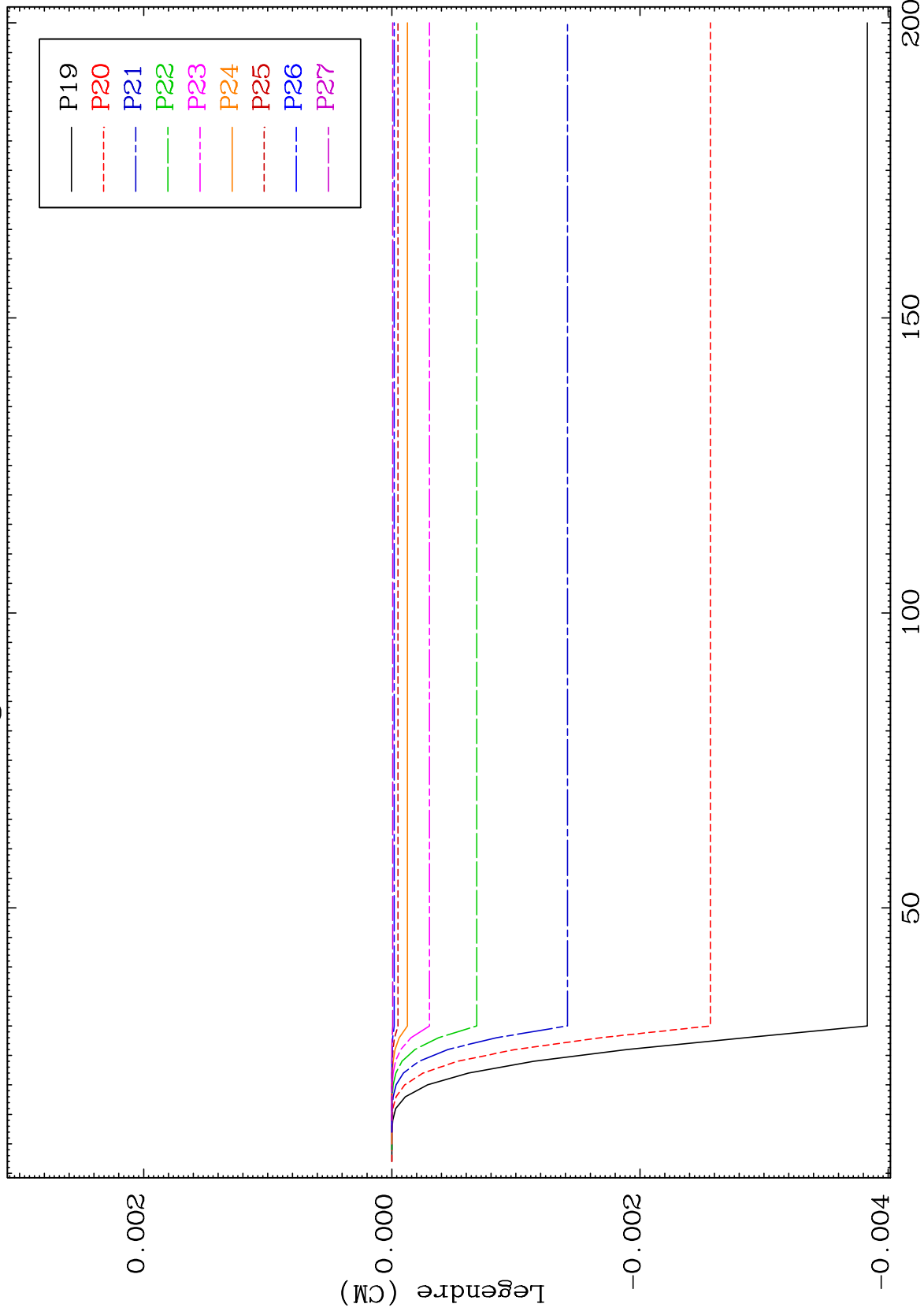
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

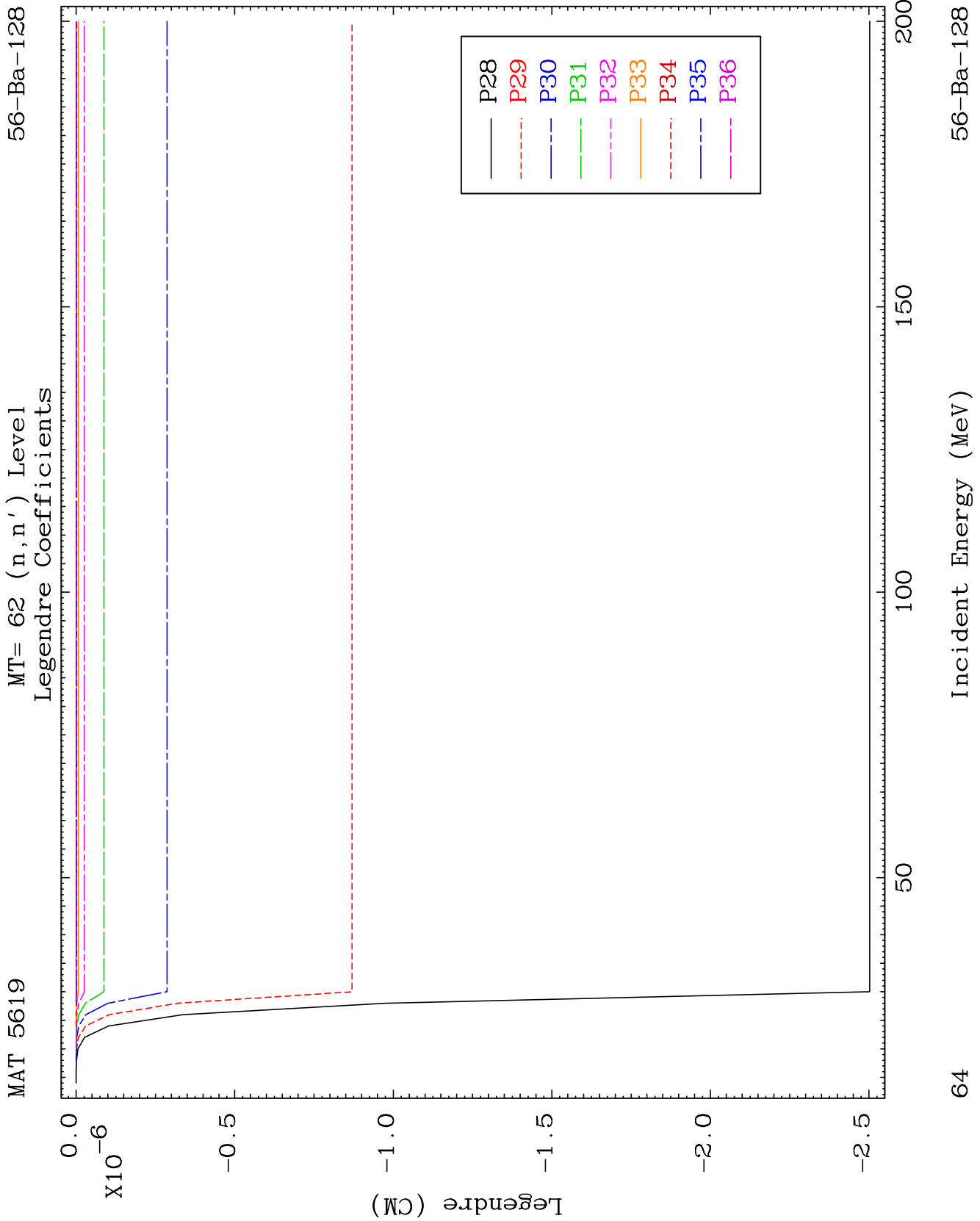
56-Ba-128



63

Incident Energy (MeV)

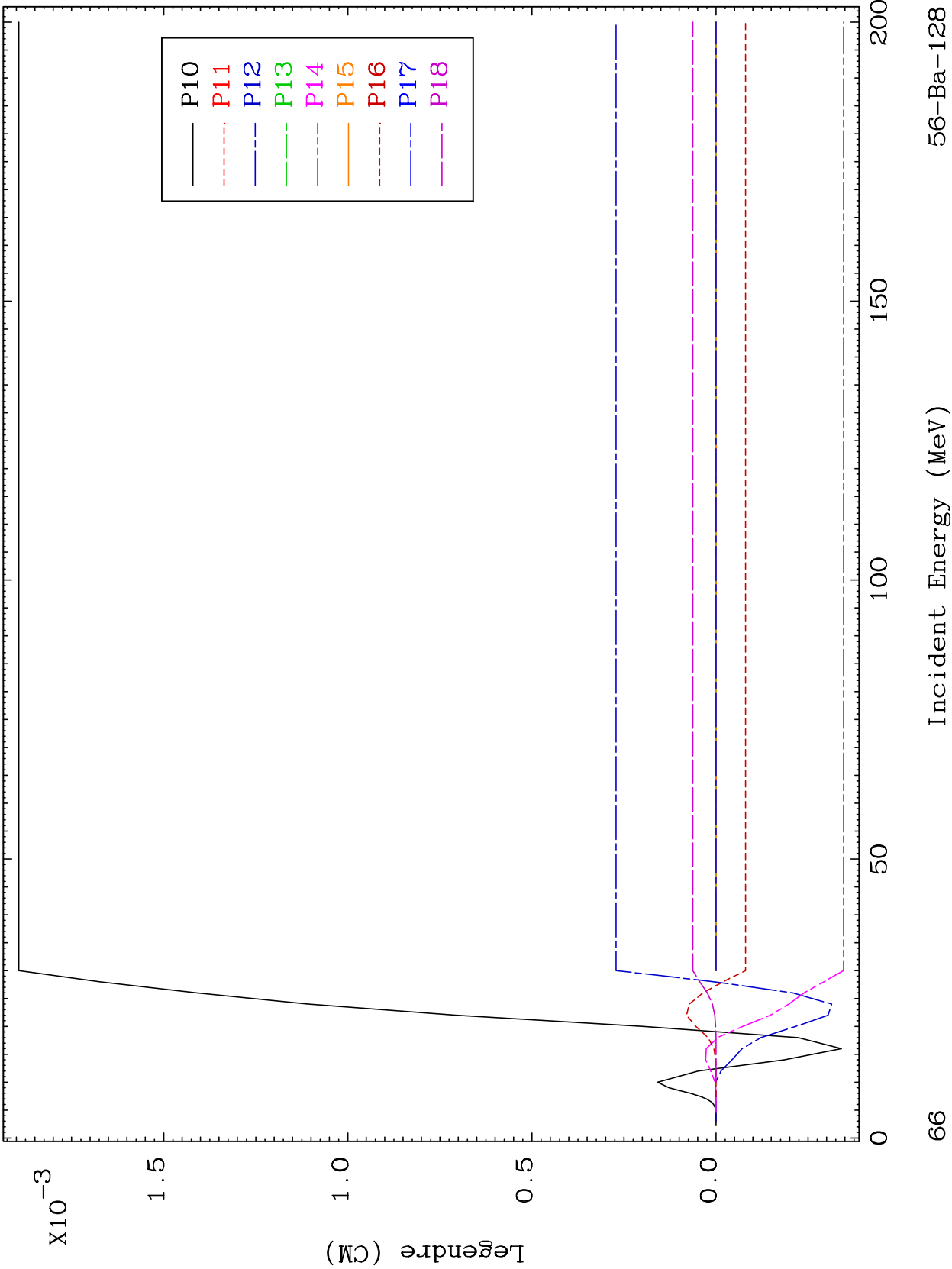
56-Ba-128



MAT 5619

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

56-Ba-128



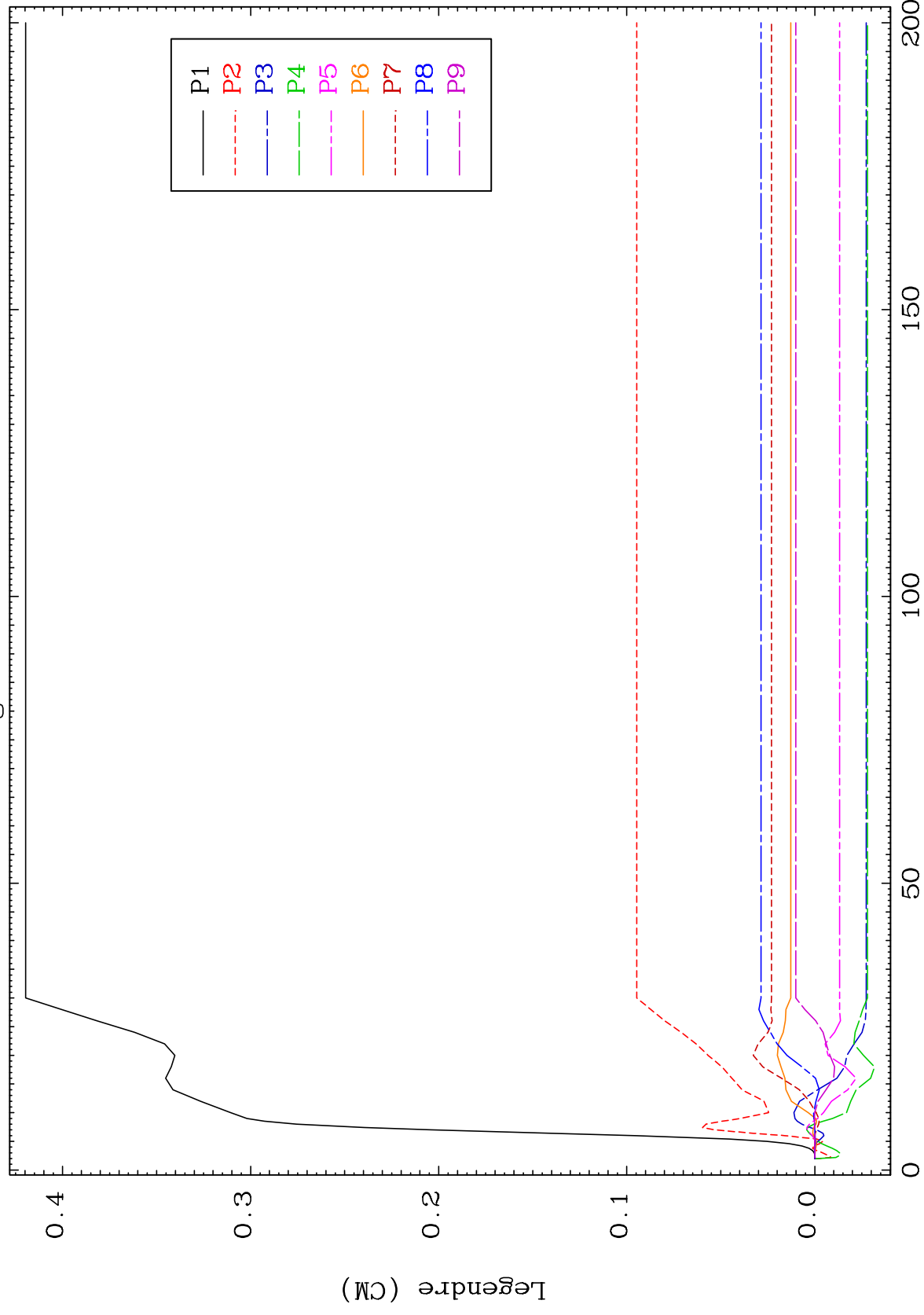
66

56-Ba-128

MAT 5619

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

56-Ba-128



56-Ba-128

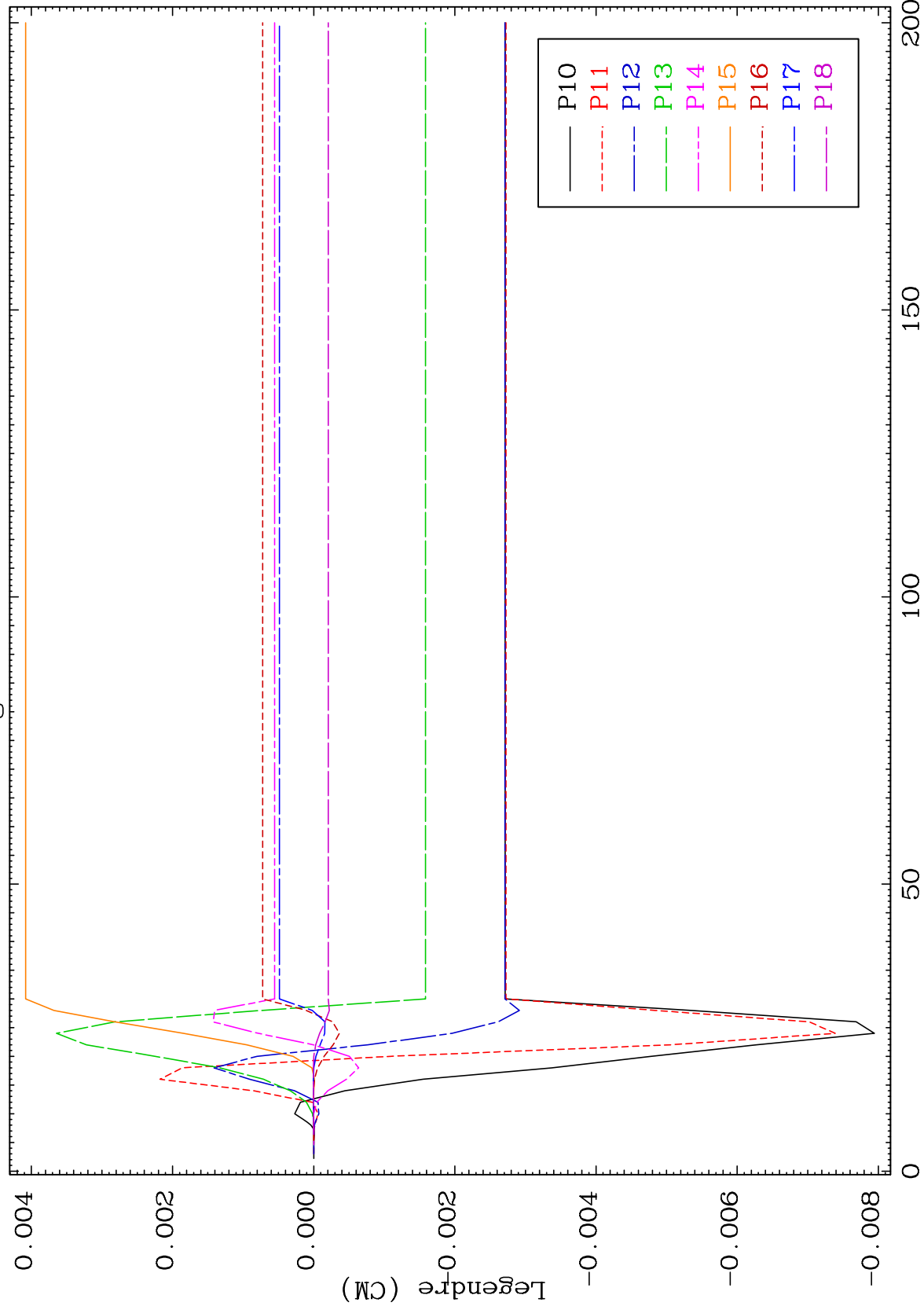
Incident Energy (MeV)

68

MAT 5619

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

56-Ba-128



69

Incident Energy (MeV)

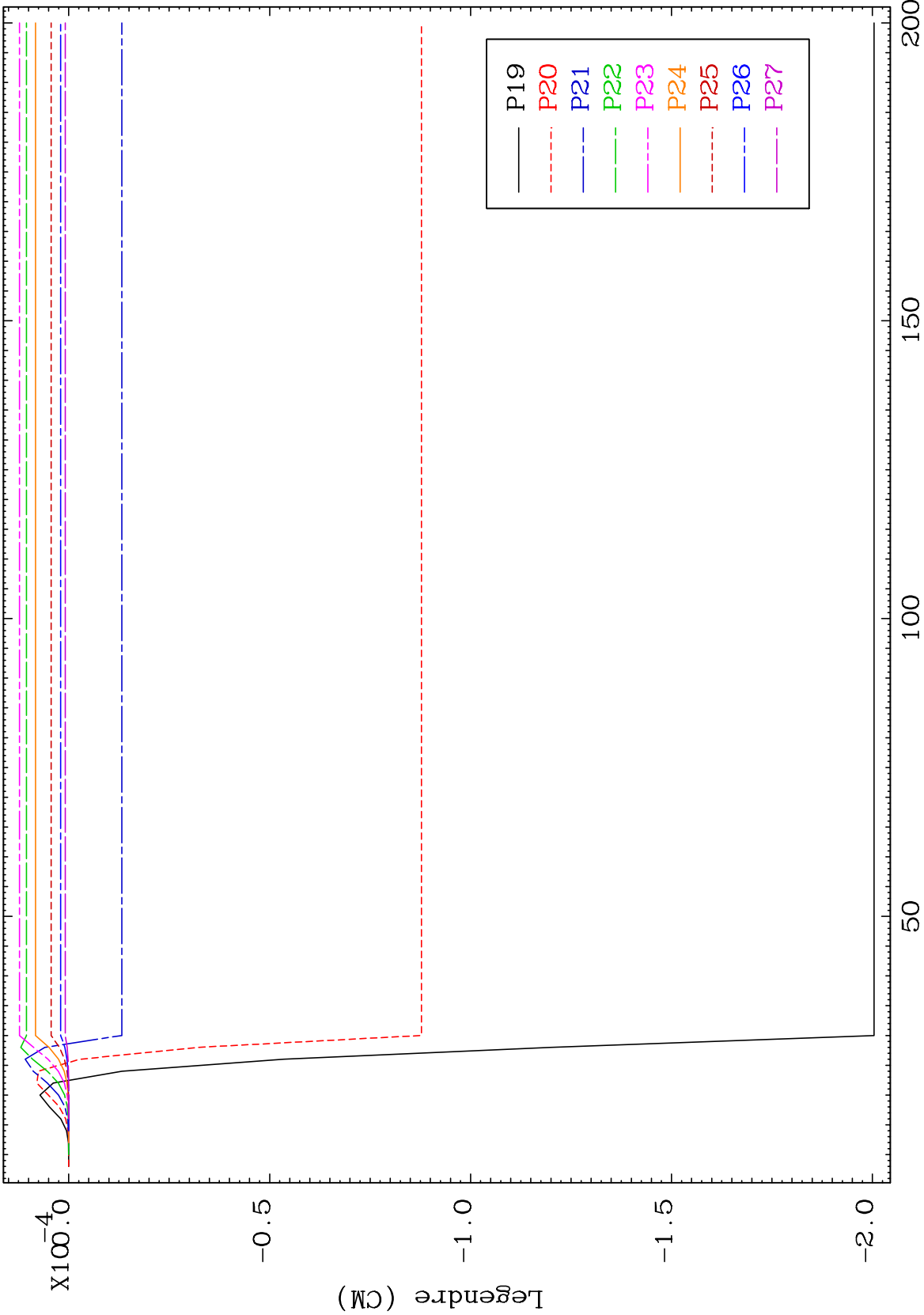
56-Ba-128

MAT 5619

MT= 64 (n,n') Level

56-Ba-128

Legendre Coefficients



56-Ba-128

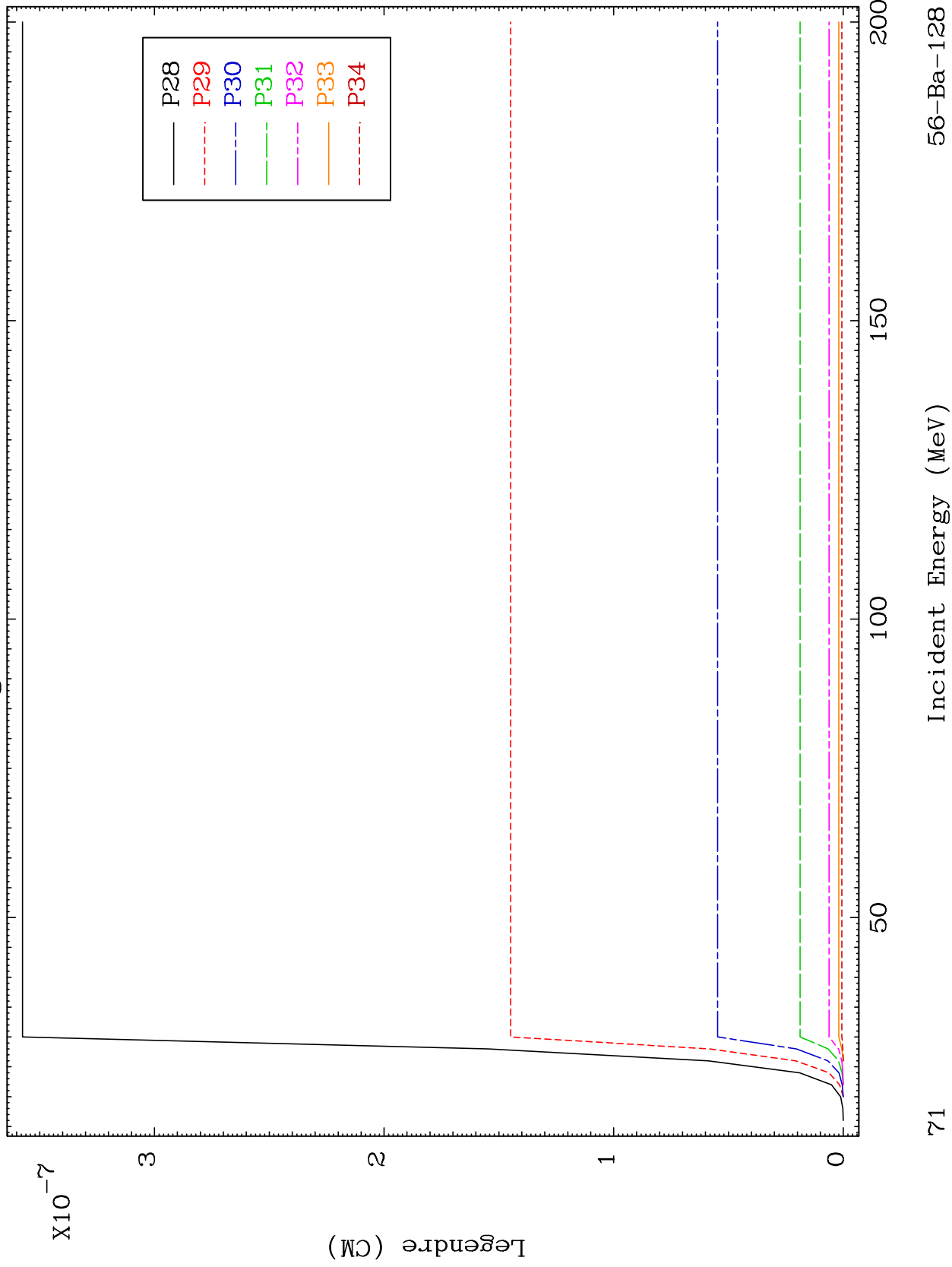
Incident Energy (MeV)

70

MAT 5619

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

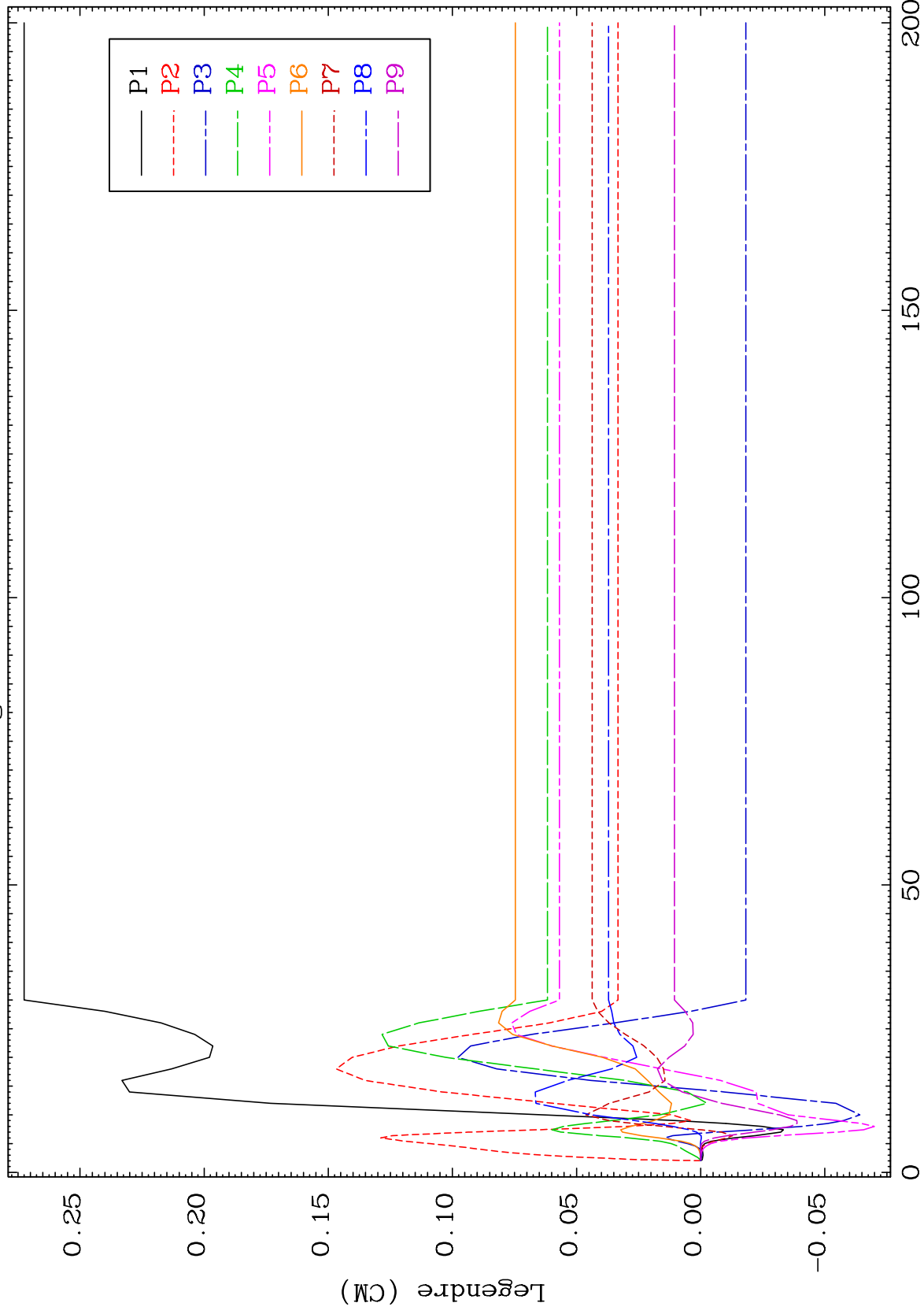
56-Ba-128



MAT 5619

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

56-Ba-128



72

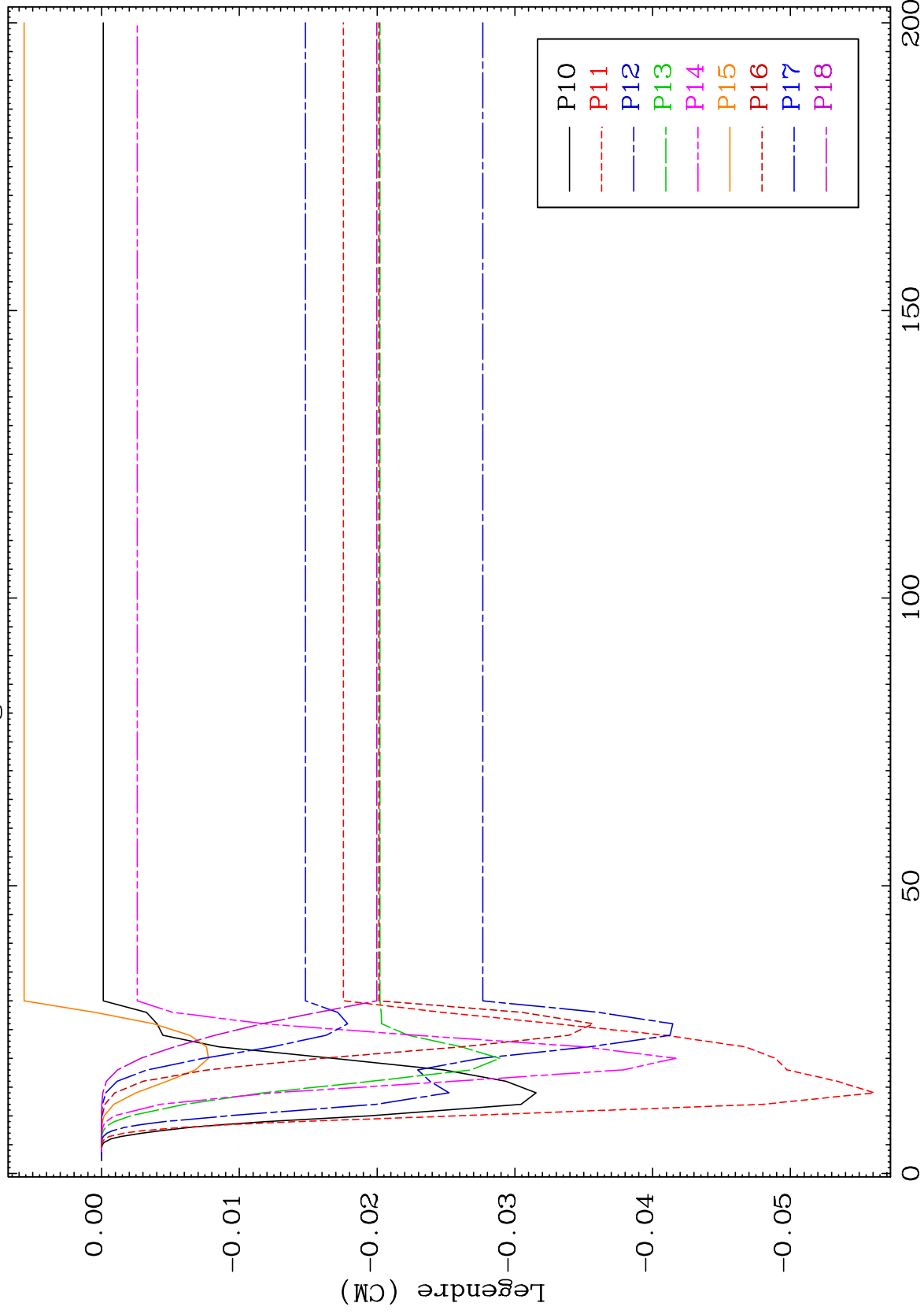
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

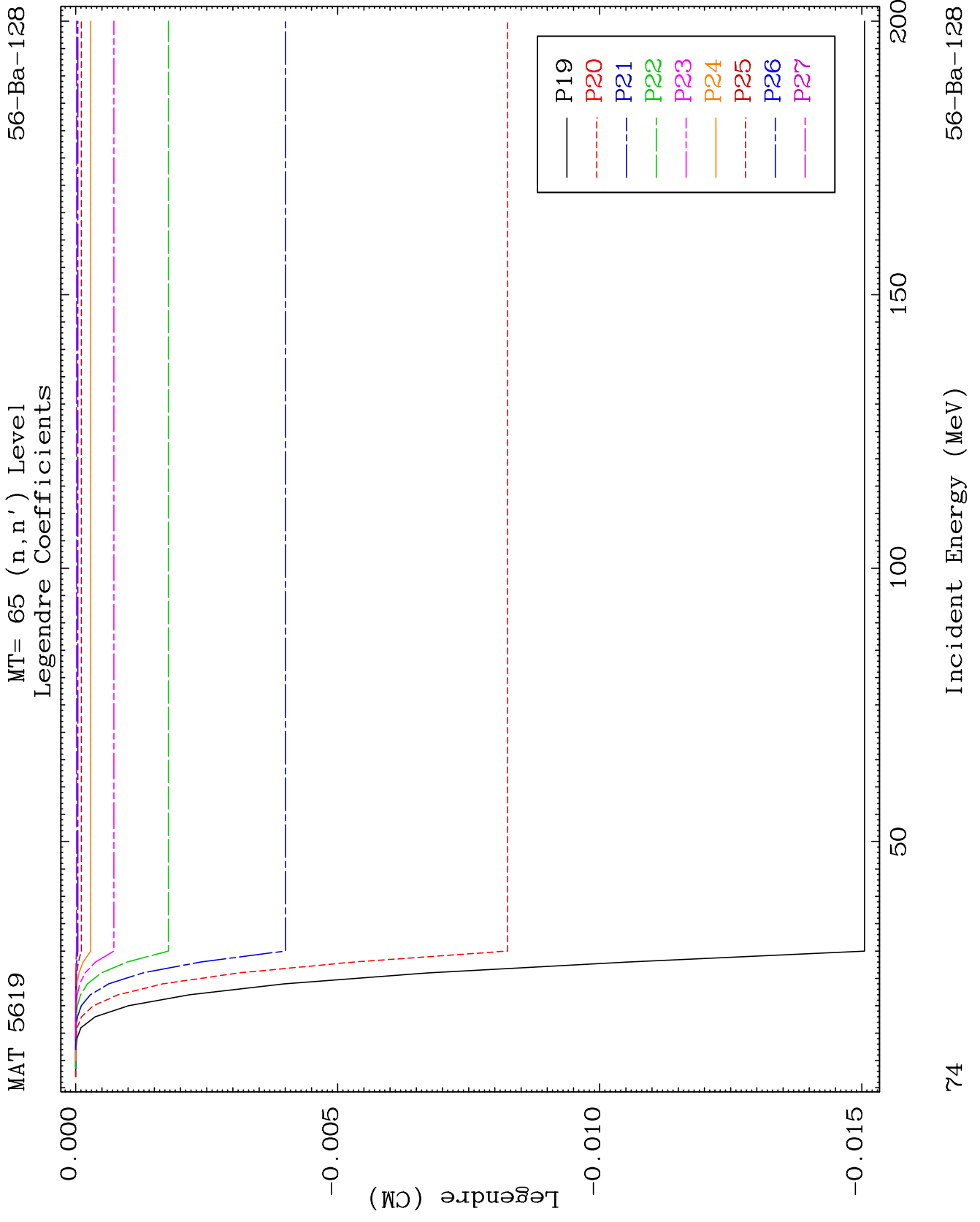
56-Ba-128

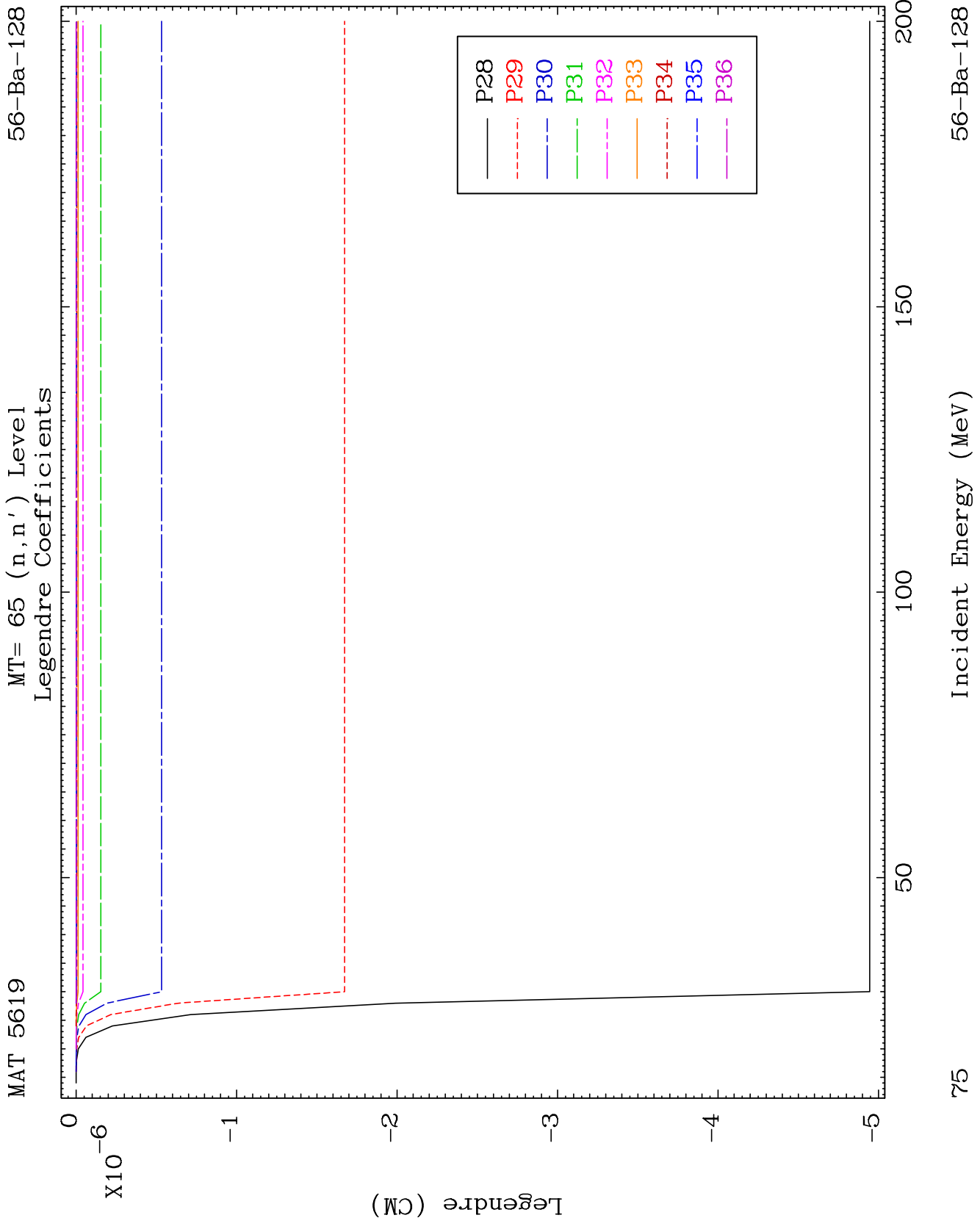


73

Incident Energy (MeV)

56-Ba-128

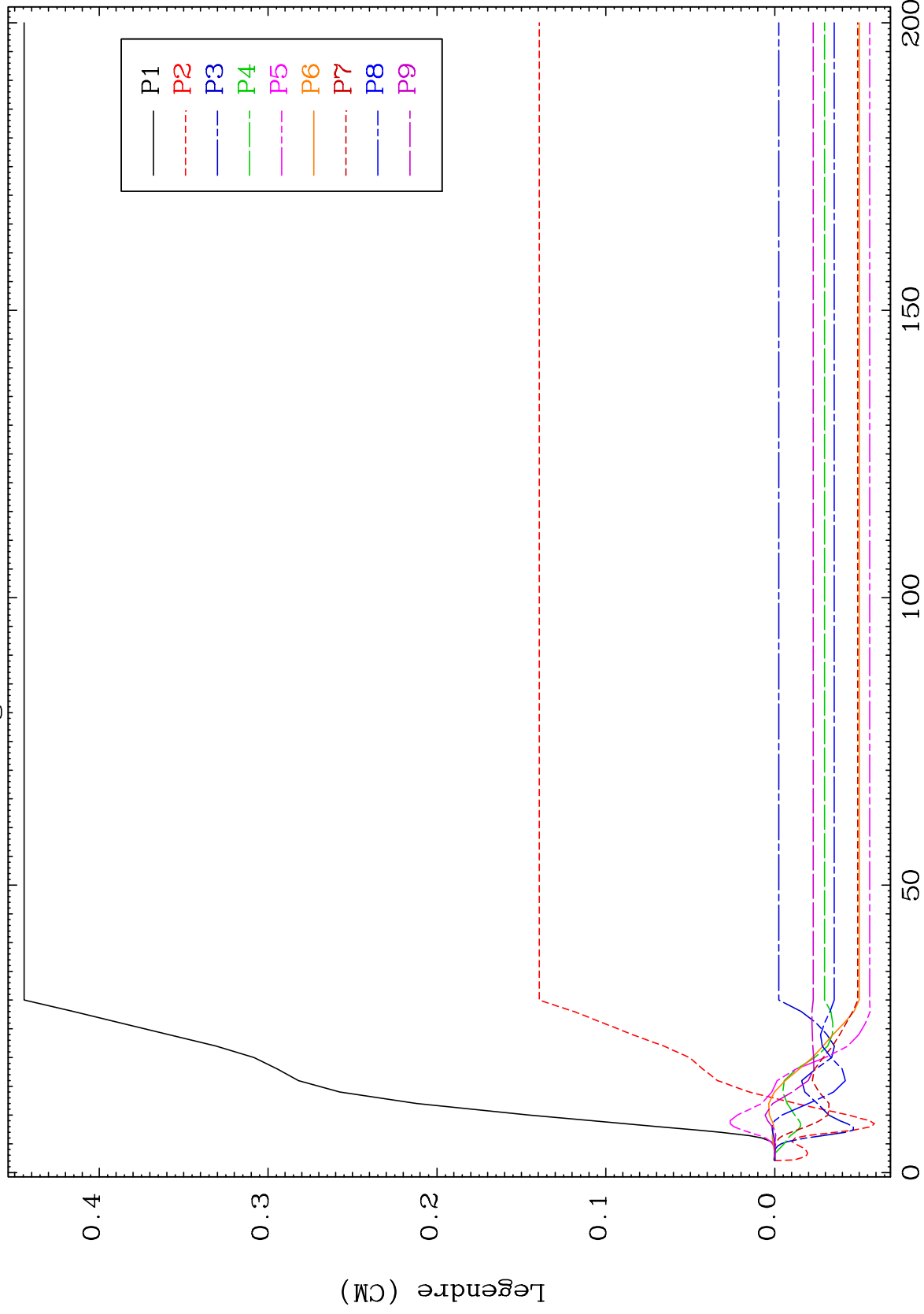




MAT 5619

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

56-Ba-128



76

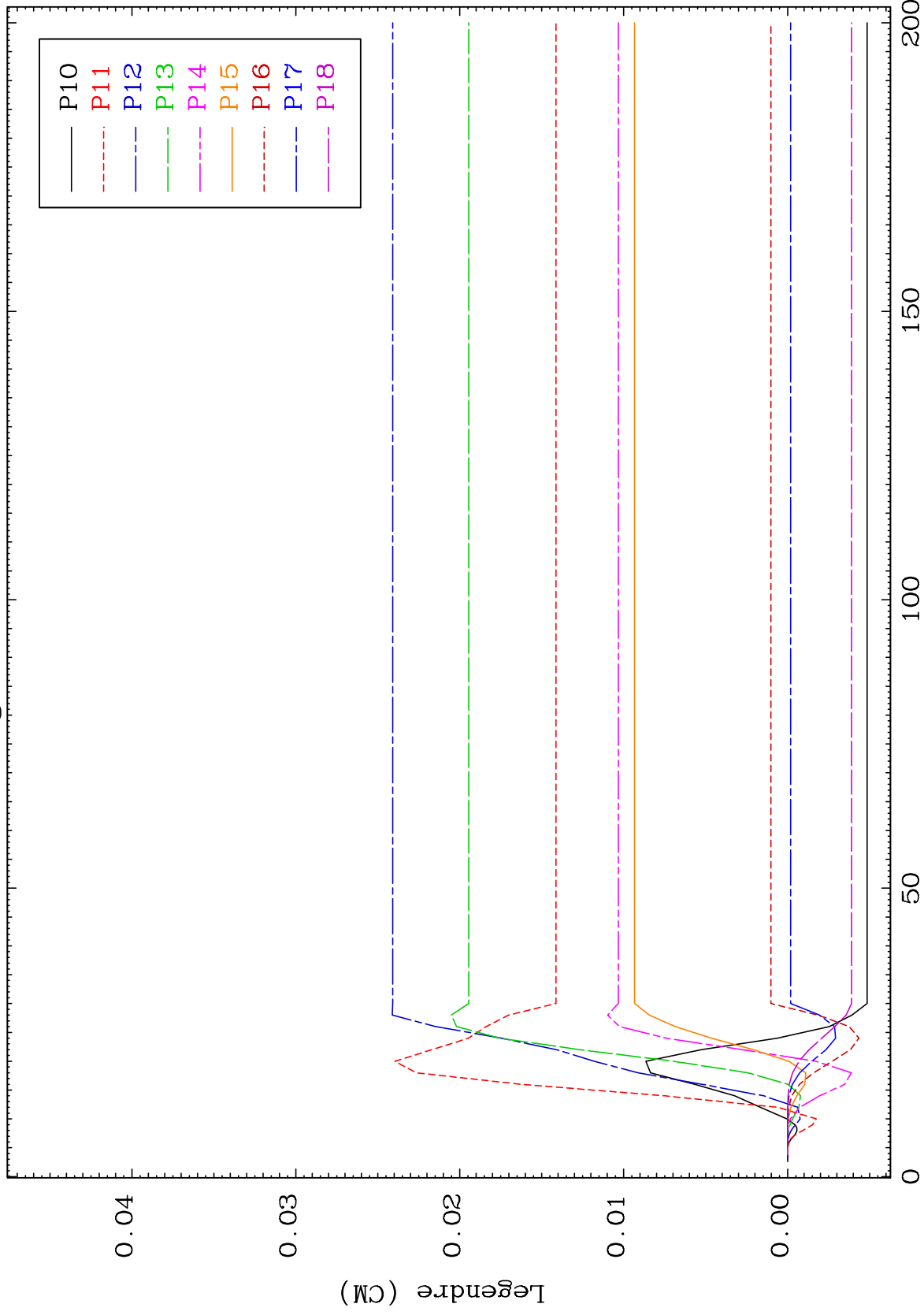
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

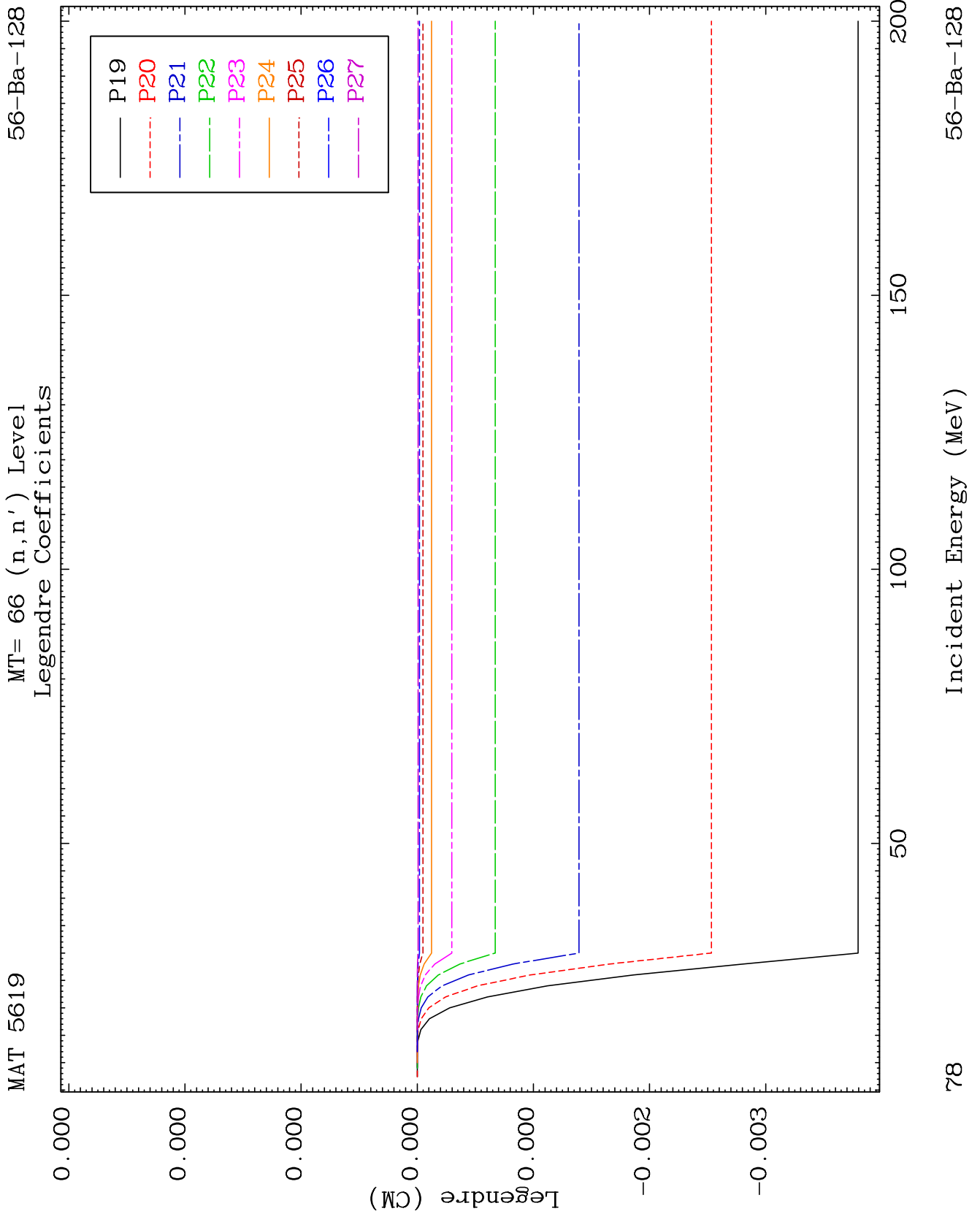
56-Ba-128



77

Incident Energy (MeV)

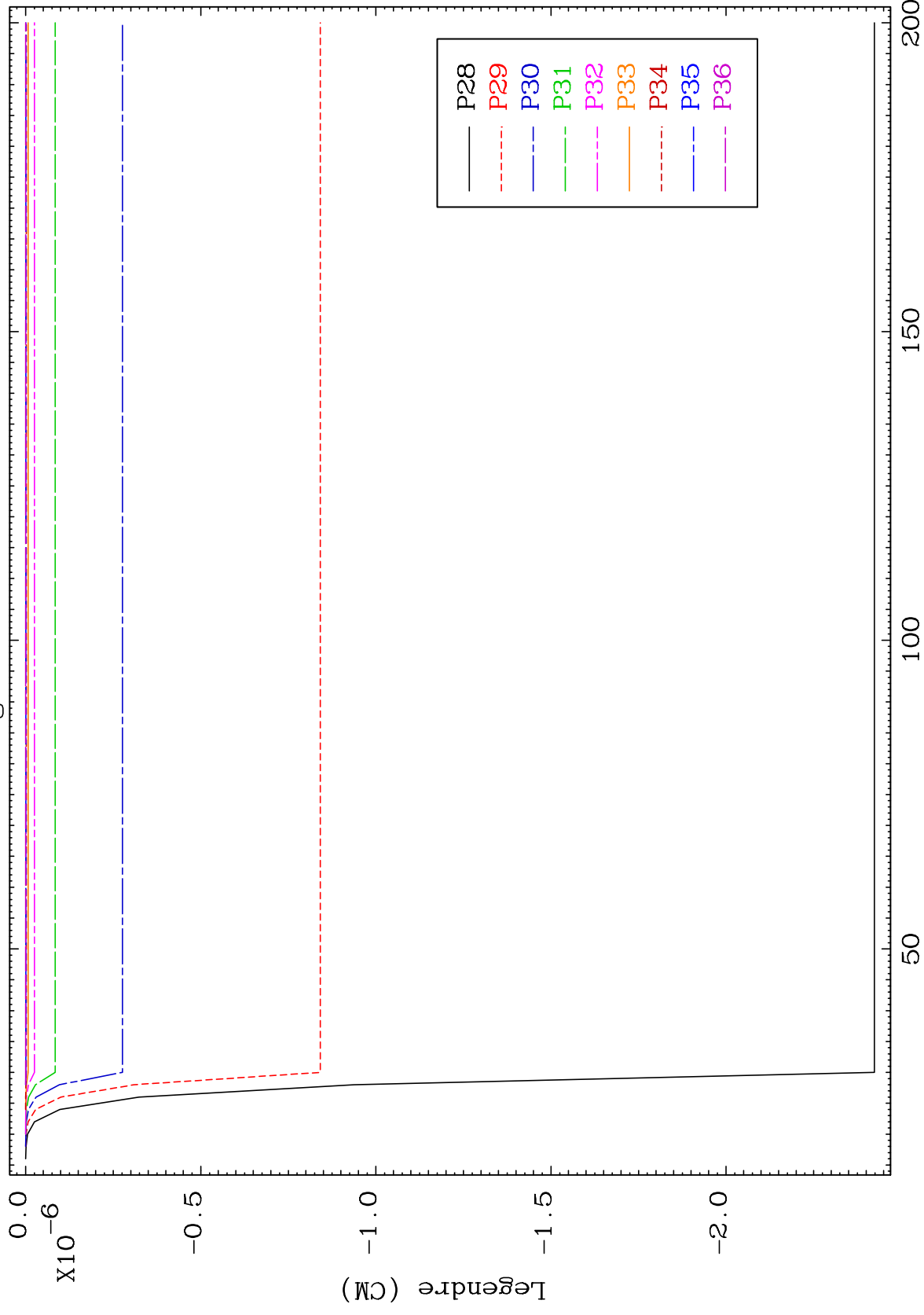
56-Ba-128



MAT 5619

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

56-Ba-128



79

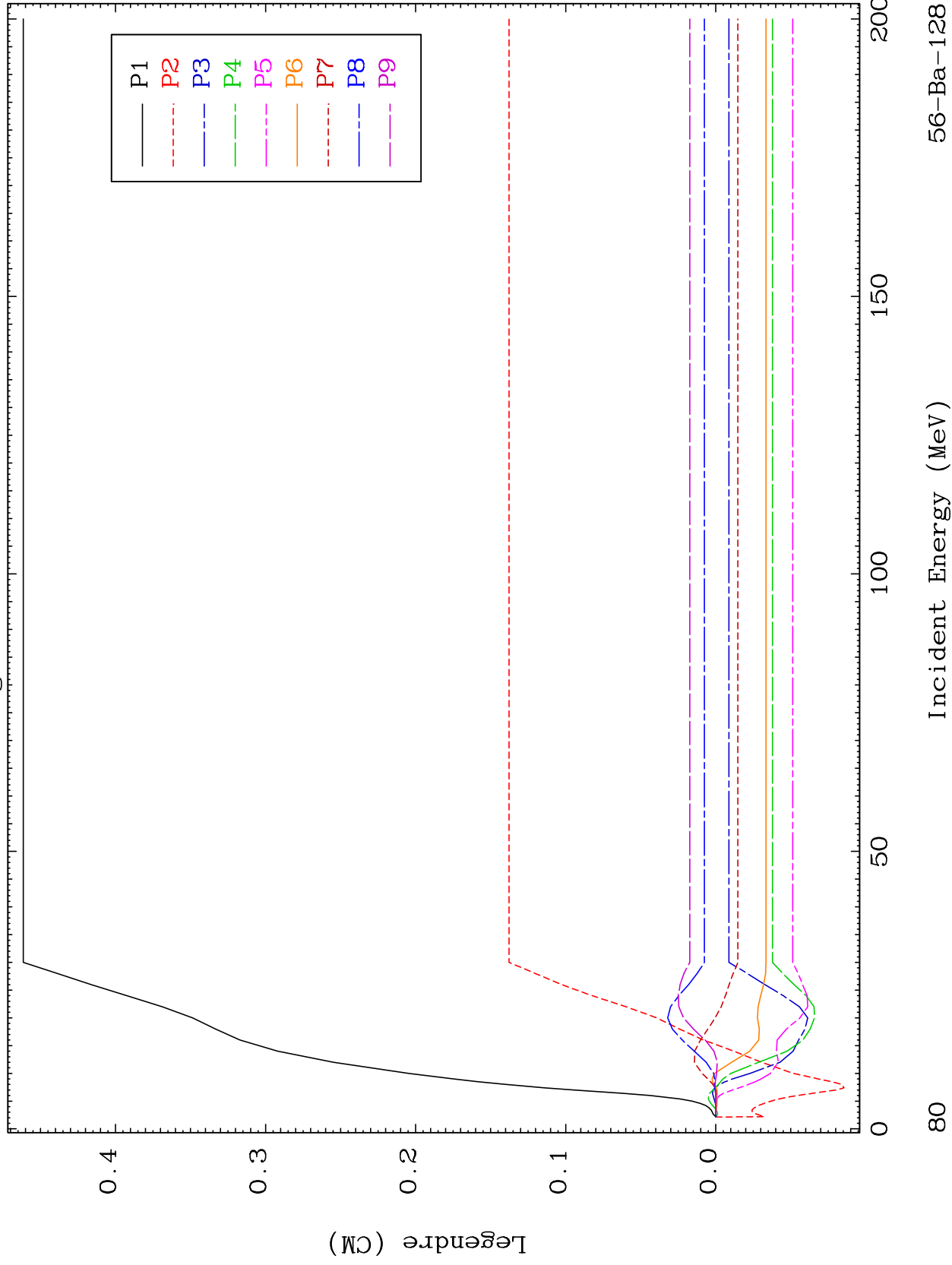
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

56-Ba-128



56-Ba-128

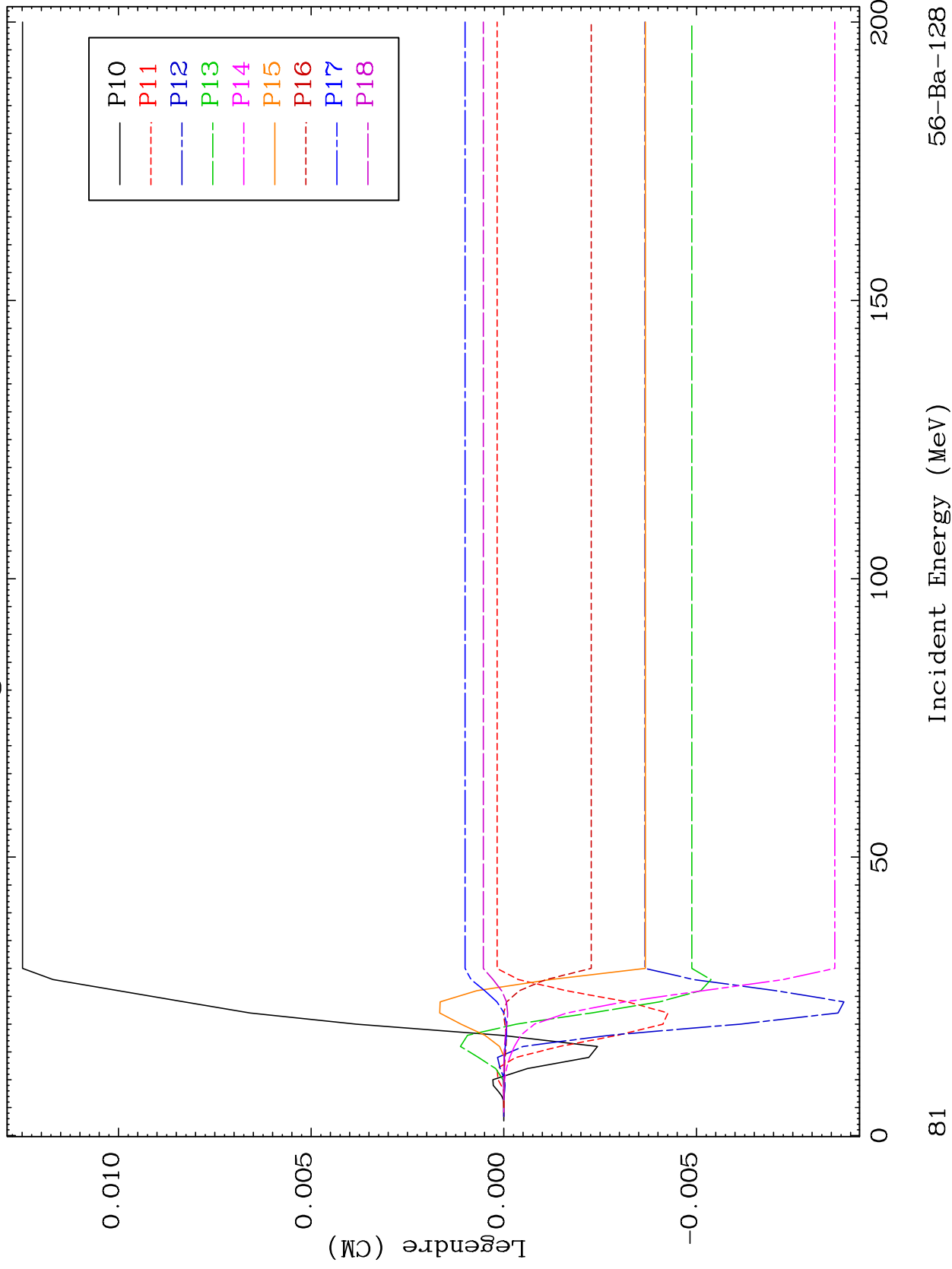
Incident Energy (MeV)

80

MAT 5619

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

56-Ba-128



81

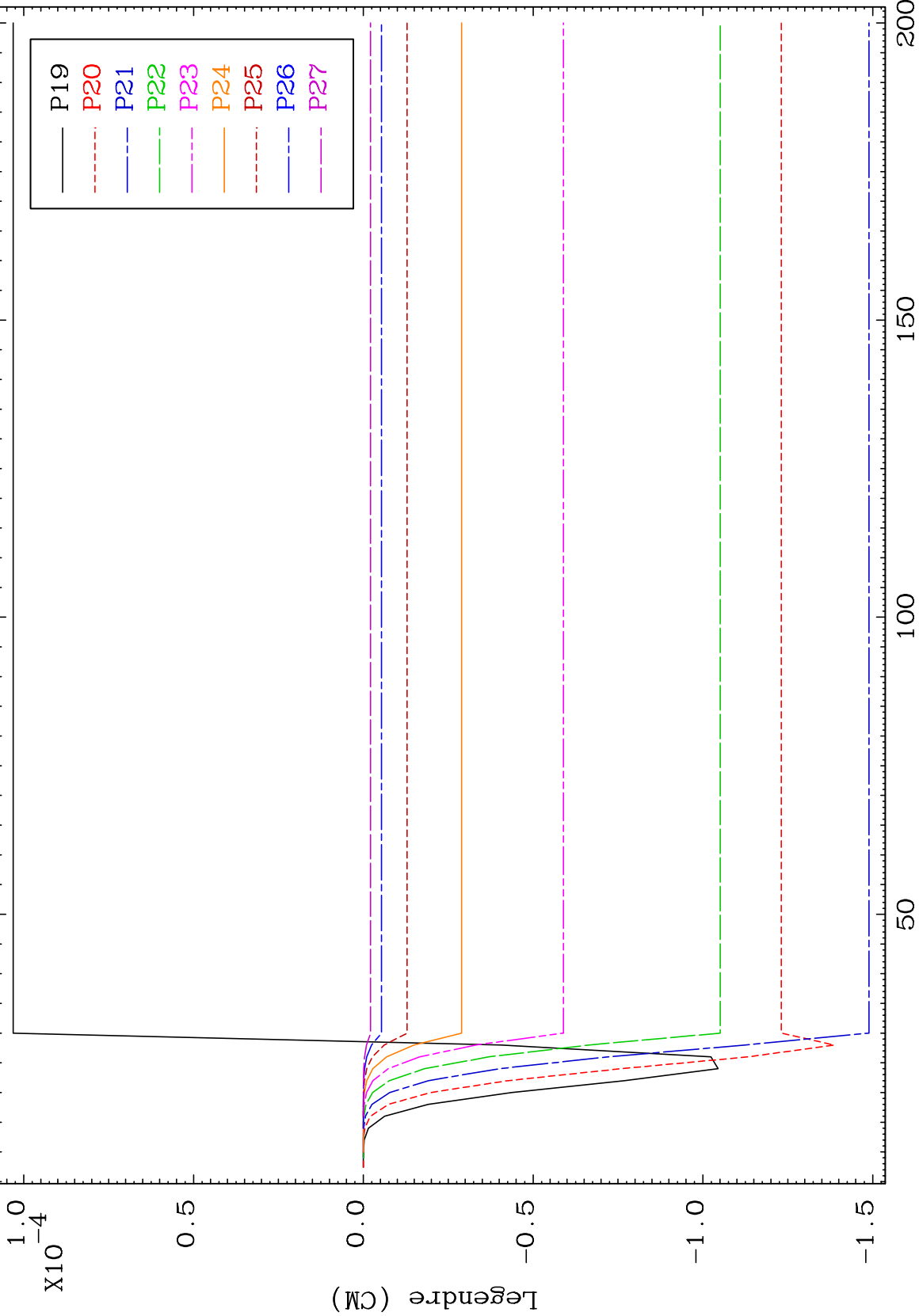
Incident Energy (MeV)

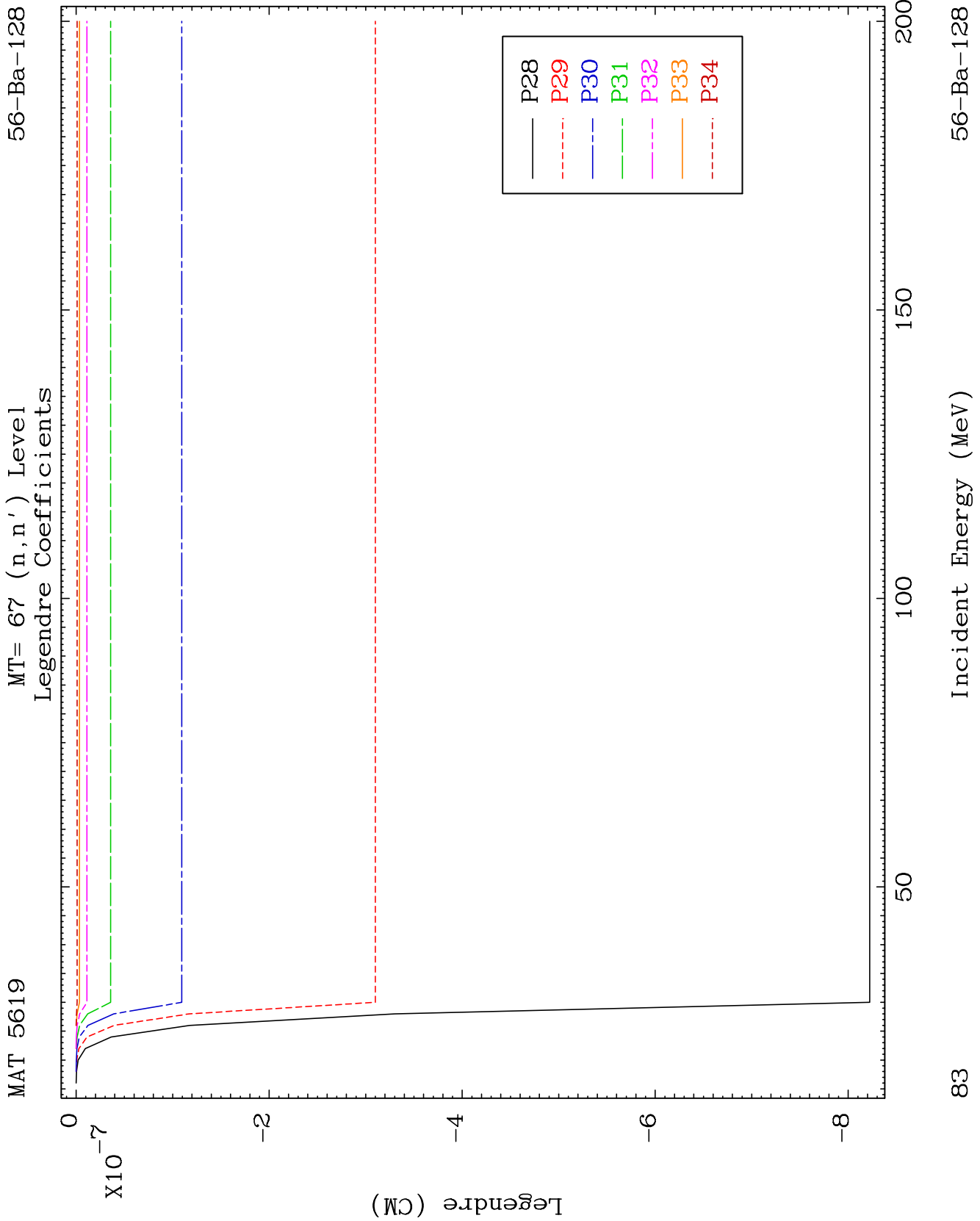
56-Ba-128

MAT 5619

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

56-Ba-128

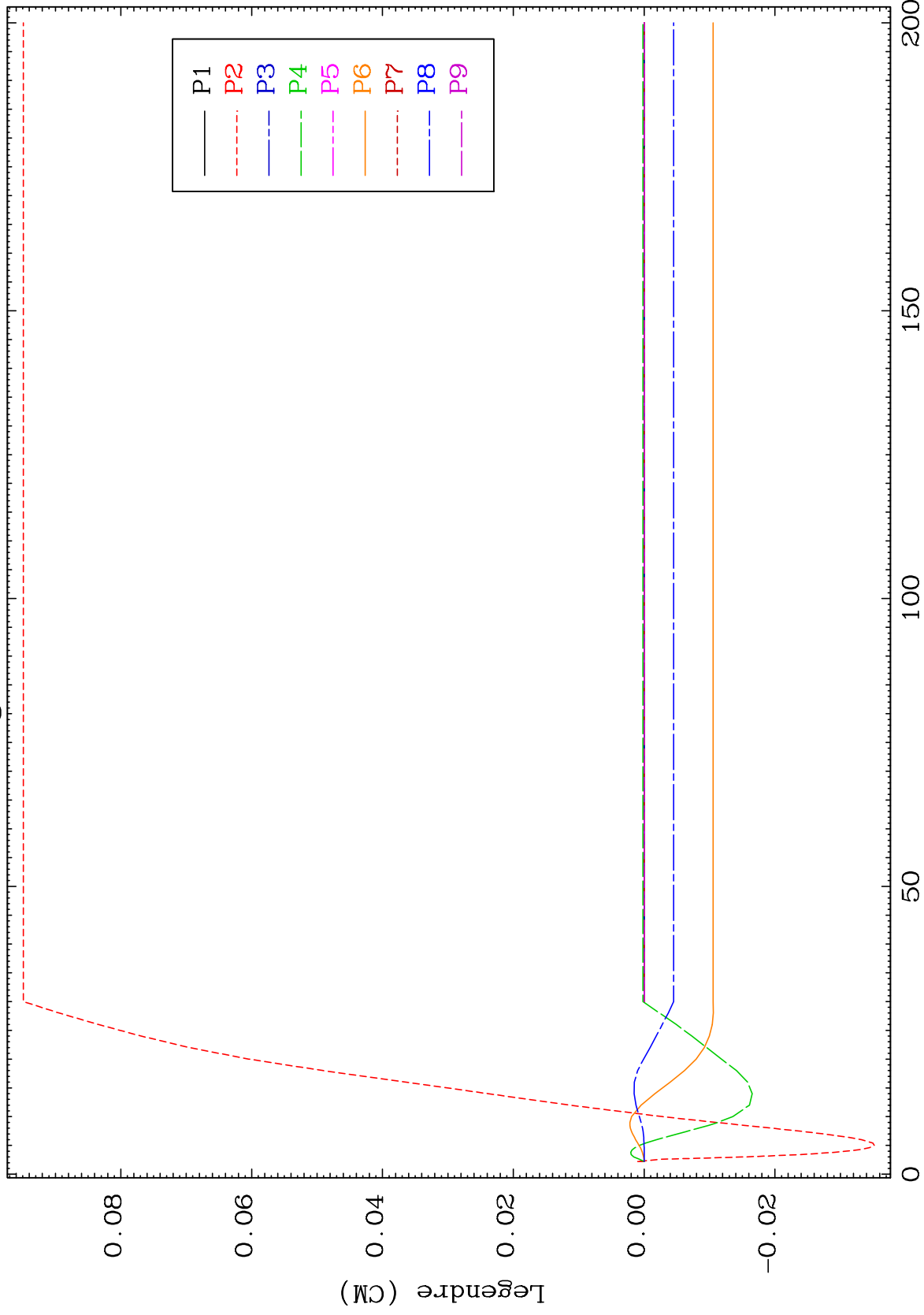




MAT 5619

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

56-Ba-128



84

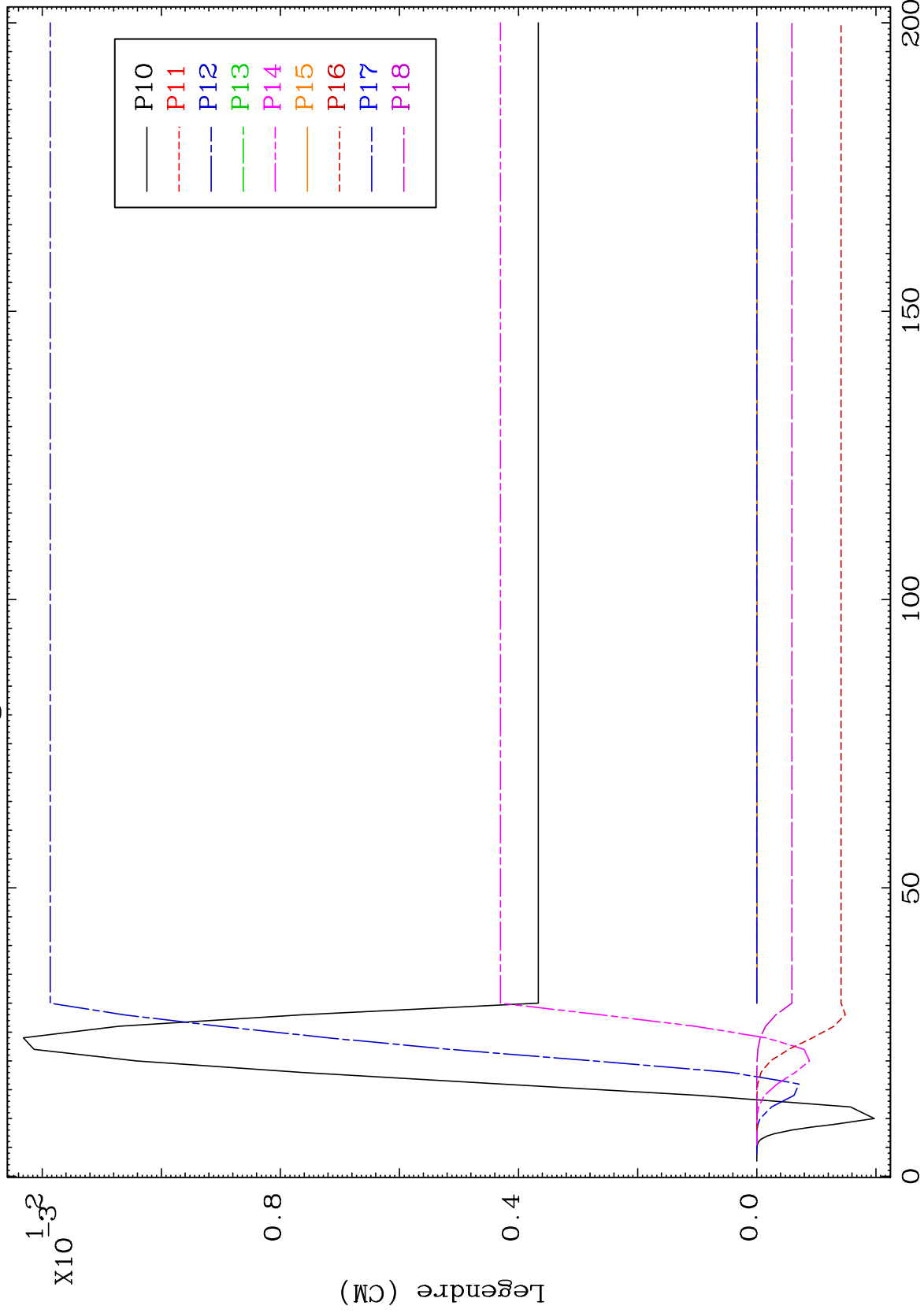
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

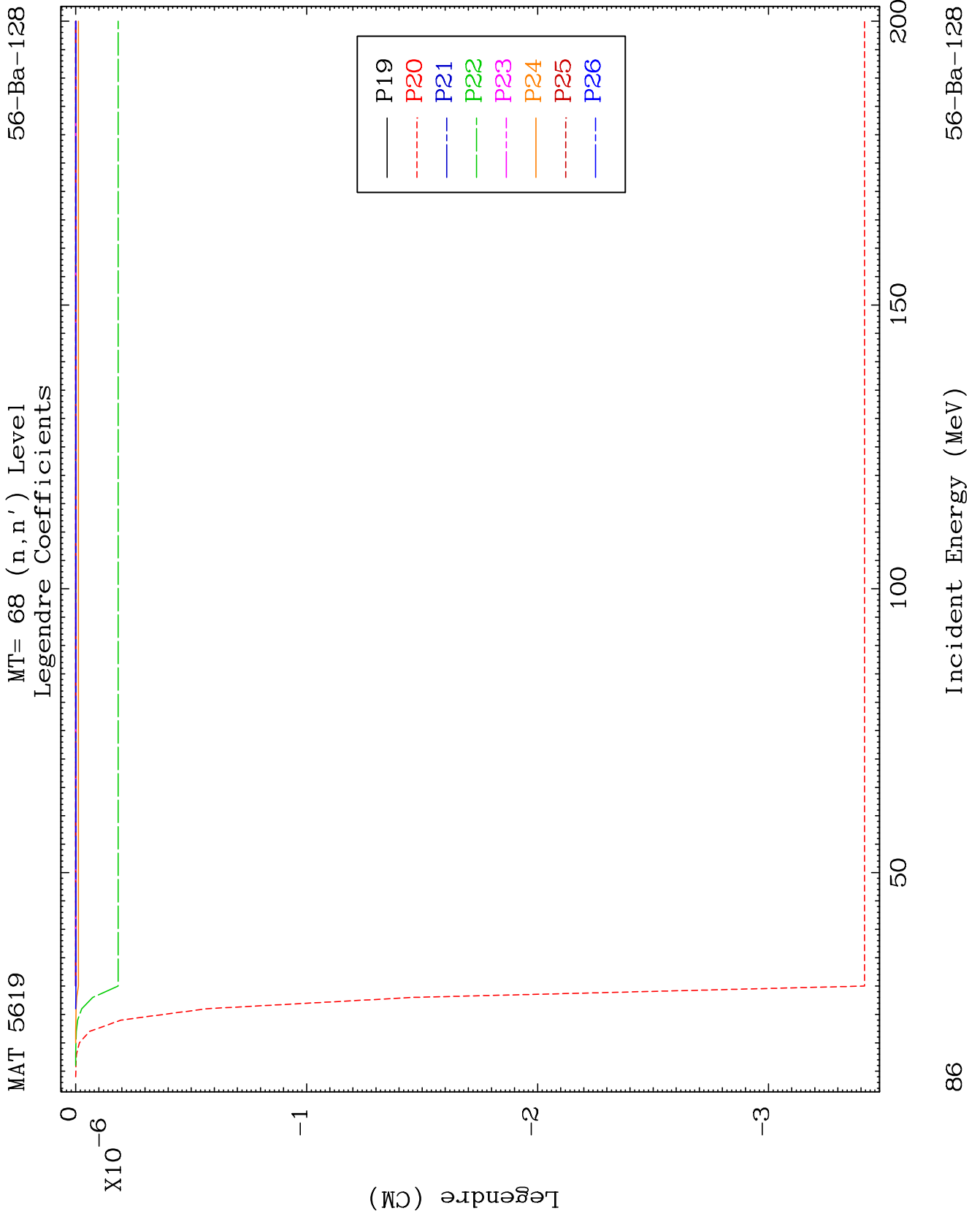
56-Ba-128



85

Incident Energy (MeV)

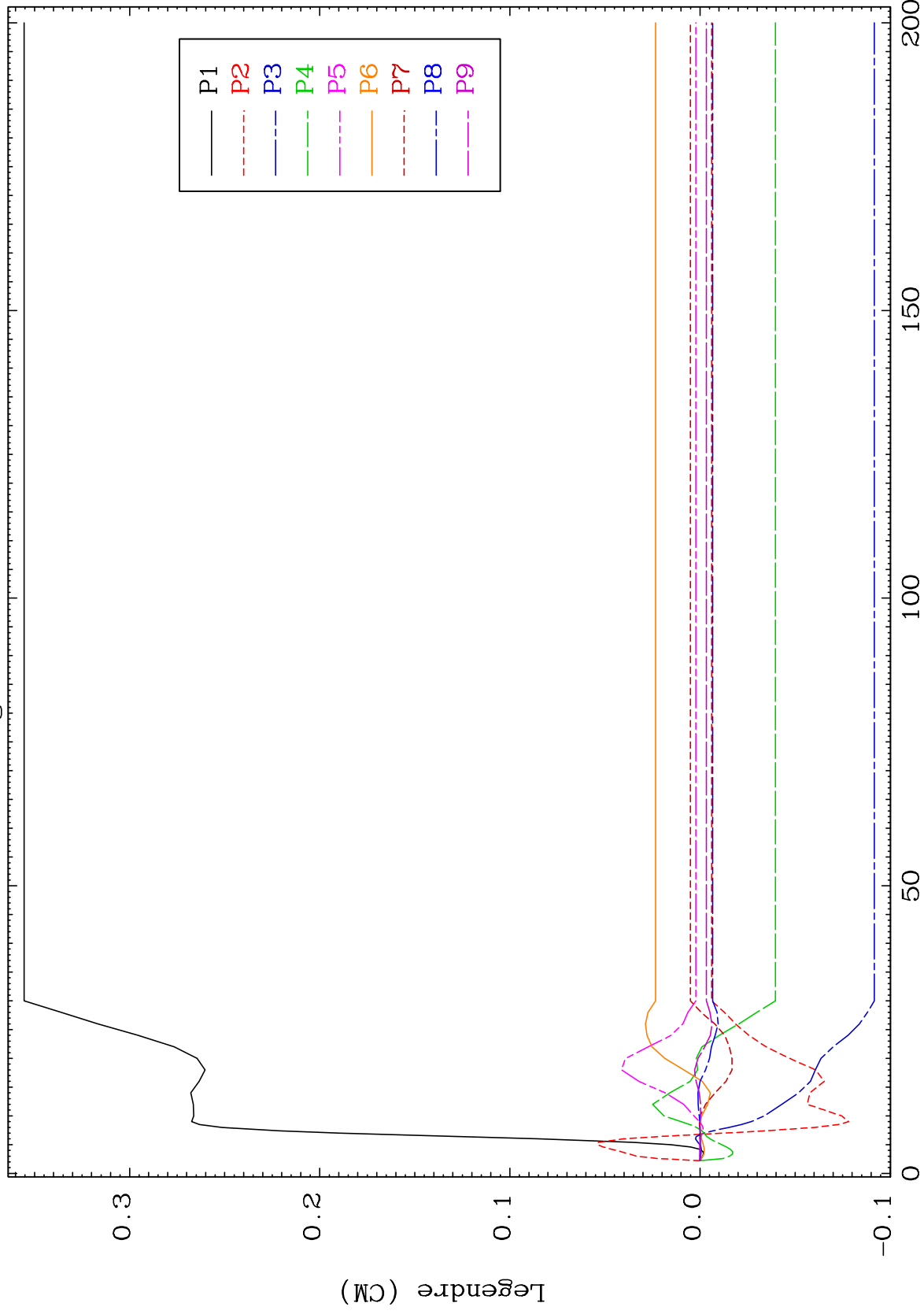
56-Ba-128



MAT 5619

MT= 69 (n,n') Level
Legendre Coefficients

56-Ba-128



56-Ba-128

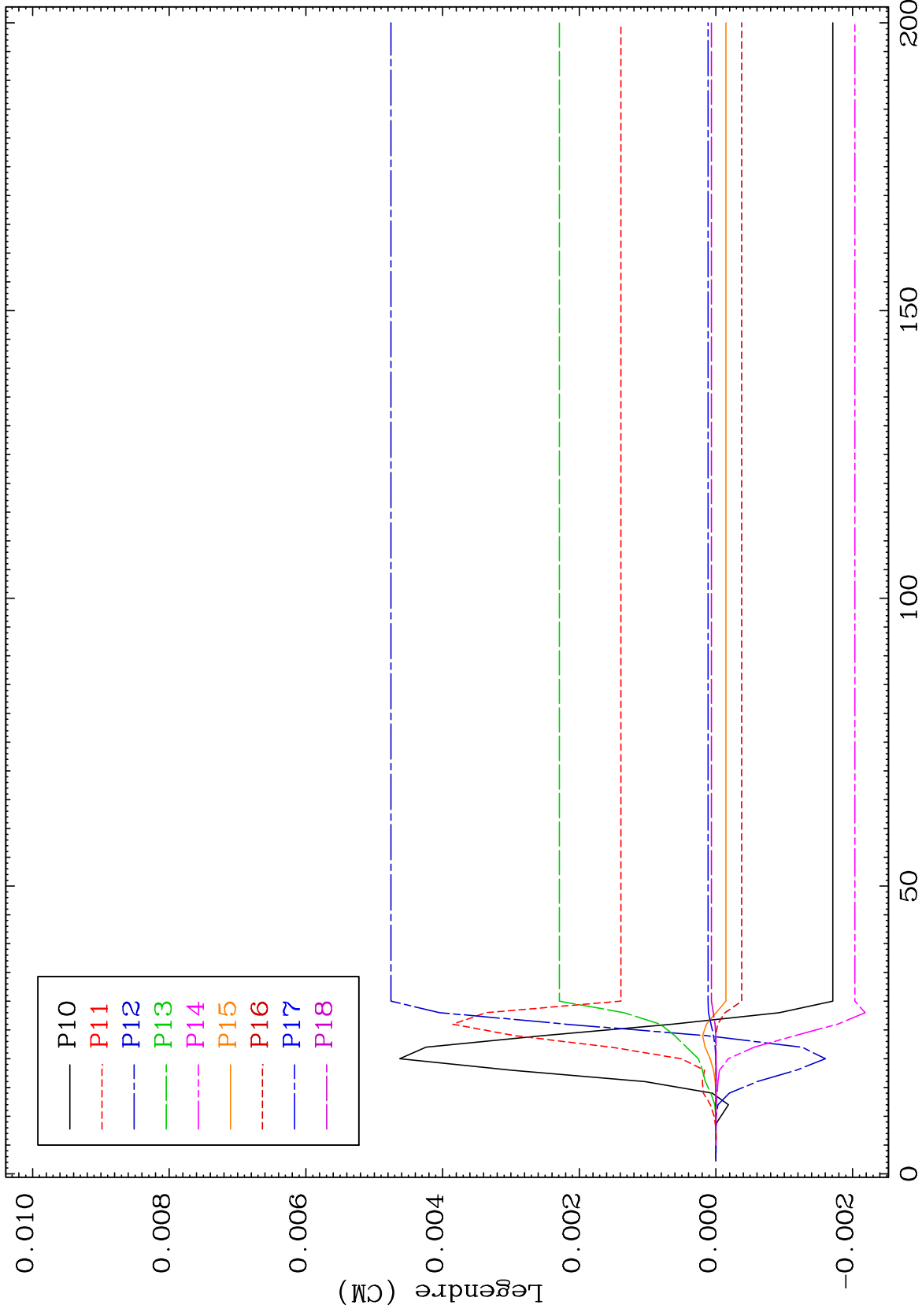
Incident Energy (MeV)

87

MAT 5619

MT= 69 (n,n') Level
Legendre Coefficients

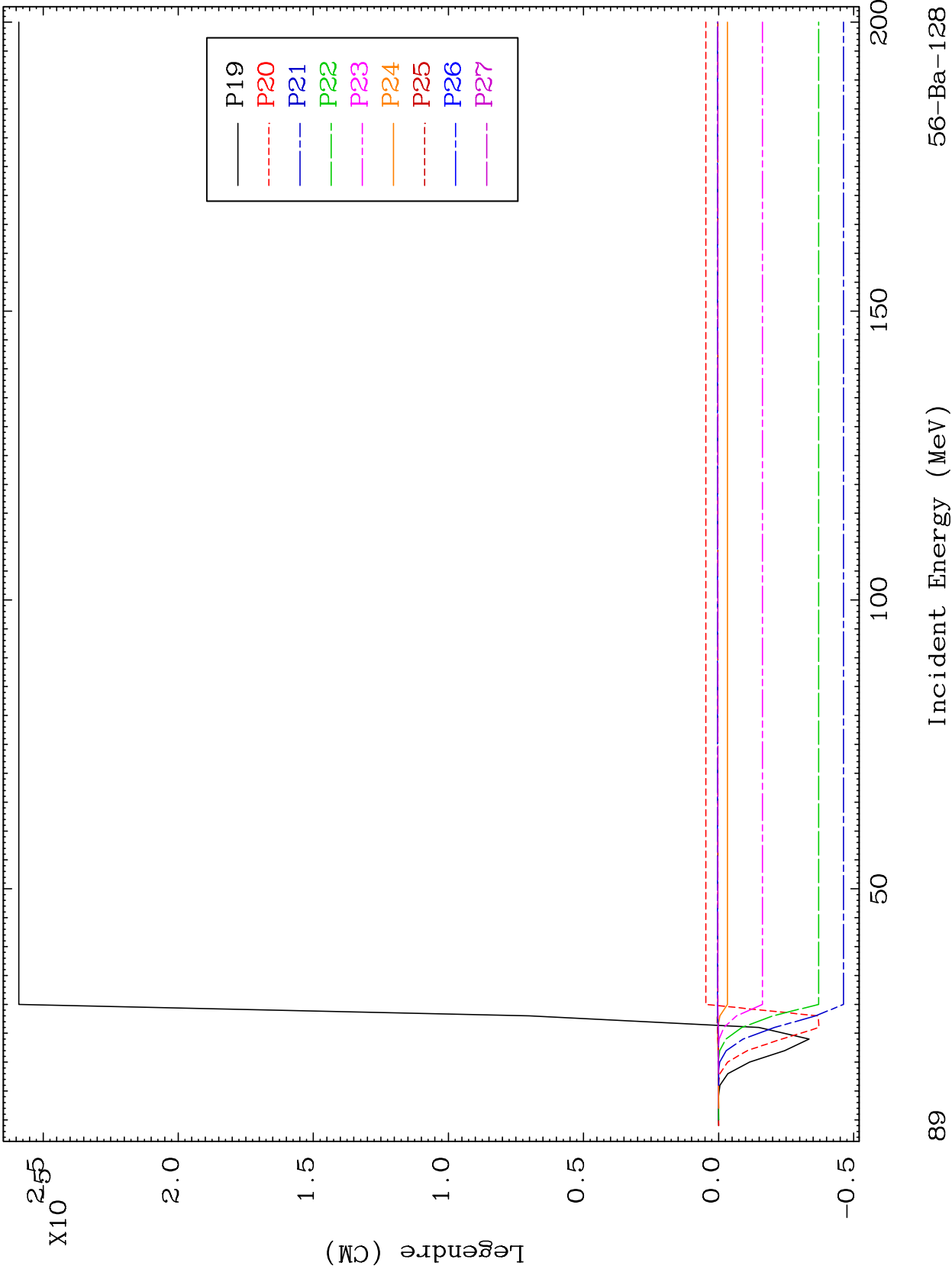
56-Ba-128



88

Incident Energy (MeV)

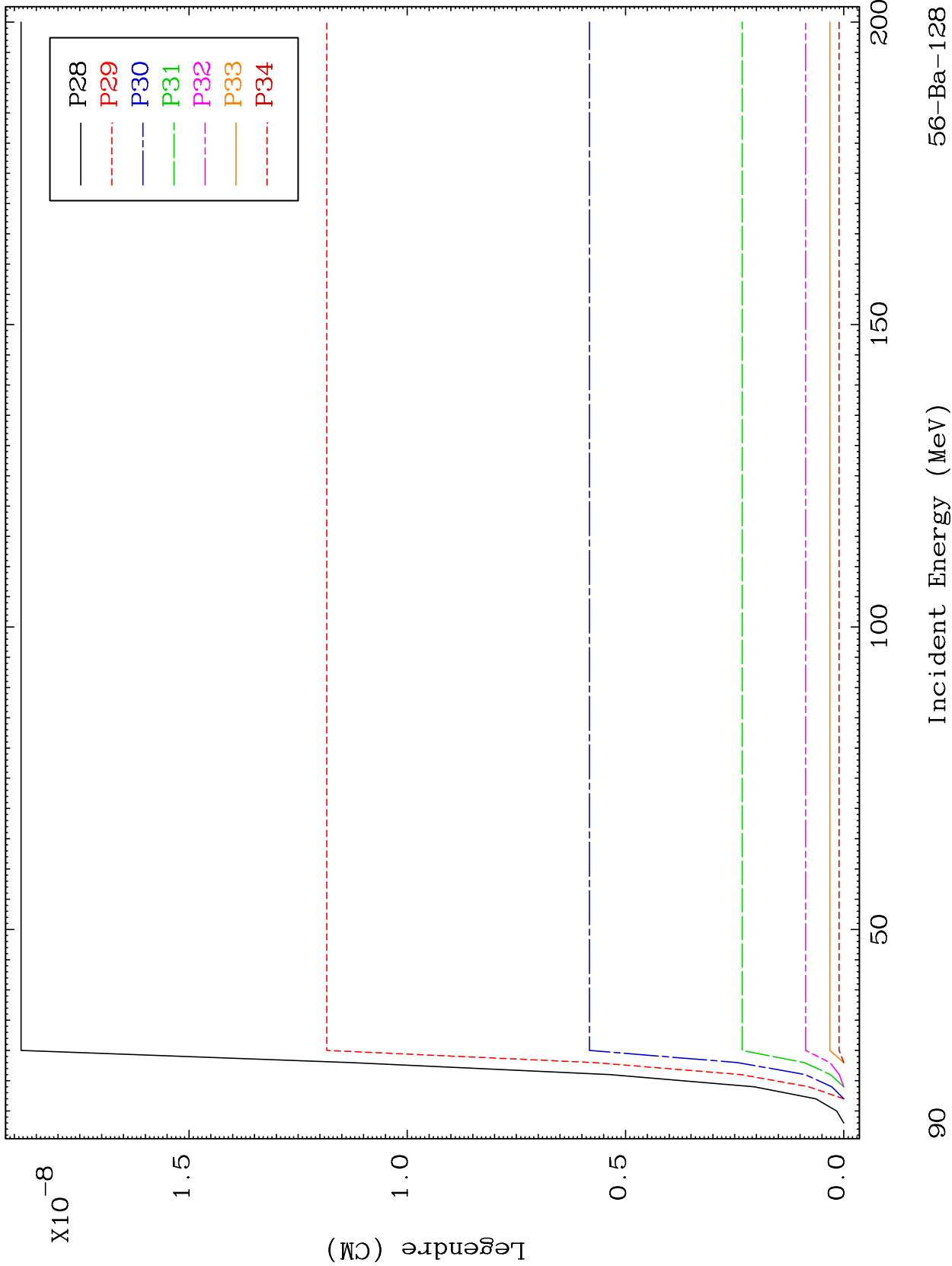
56-Ba-128



MAT 5619

MT= 69 (n,n') Level
Legendre Coefficients

56-Ba-128



90

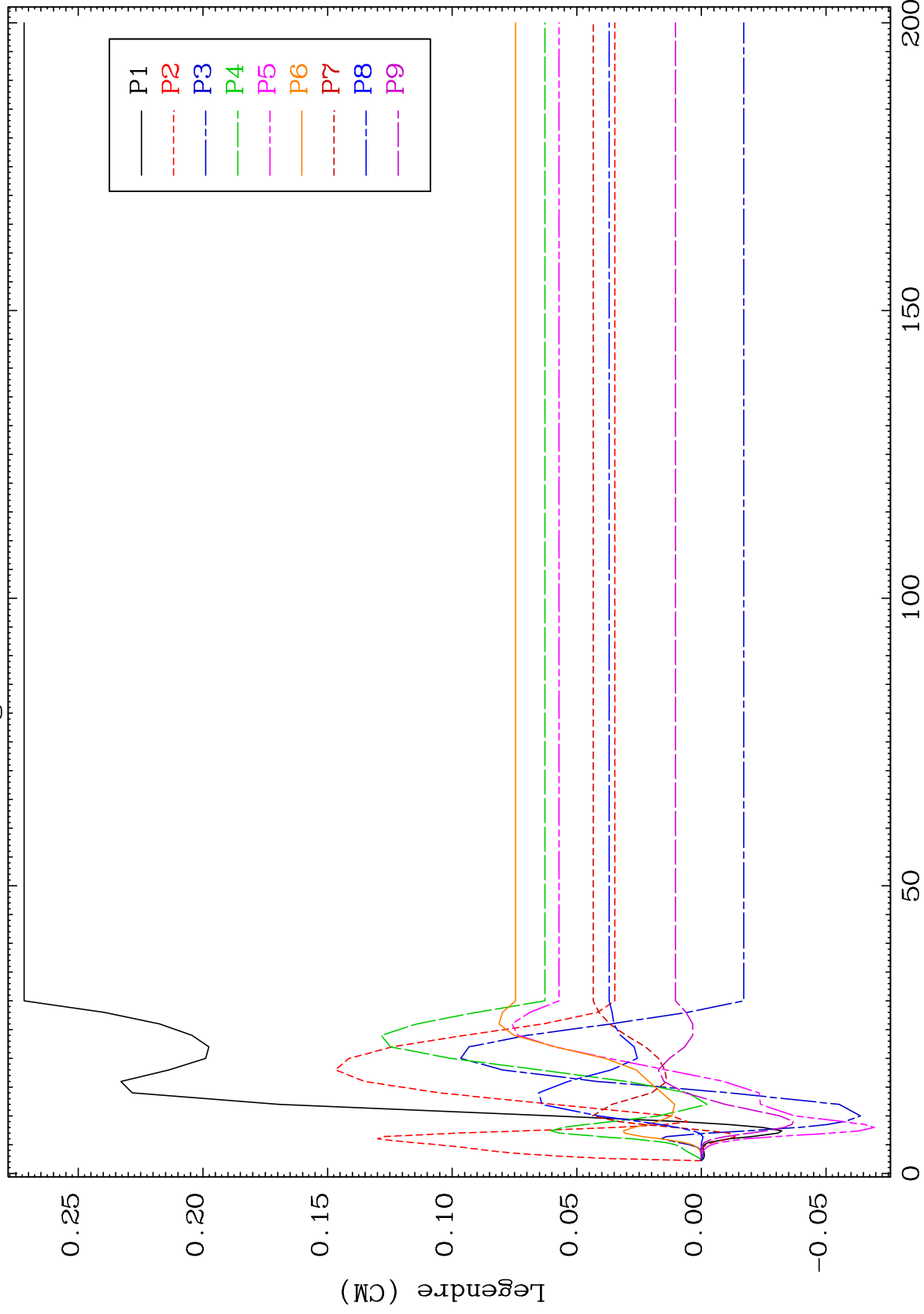
Incident Energy (MeV)

56-Ba-128

MAT 5619

MT= 70 (n,n') Level
Legendre Coefficients

56-Ba-128



91

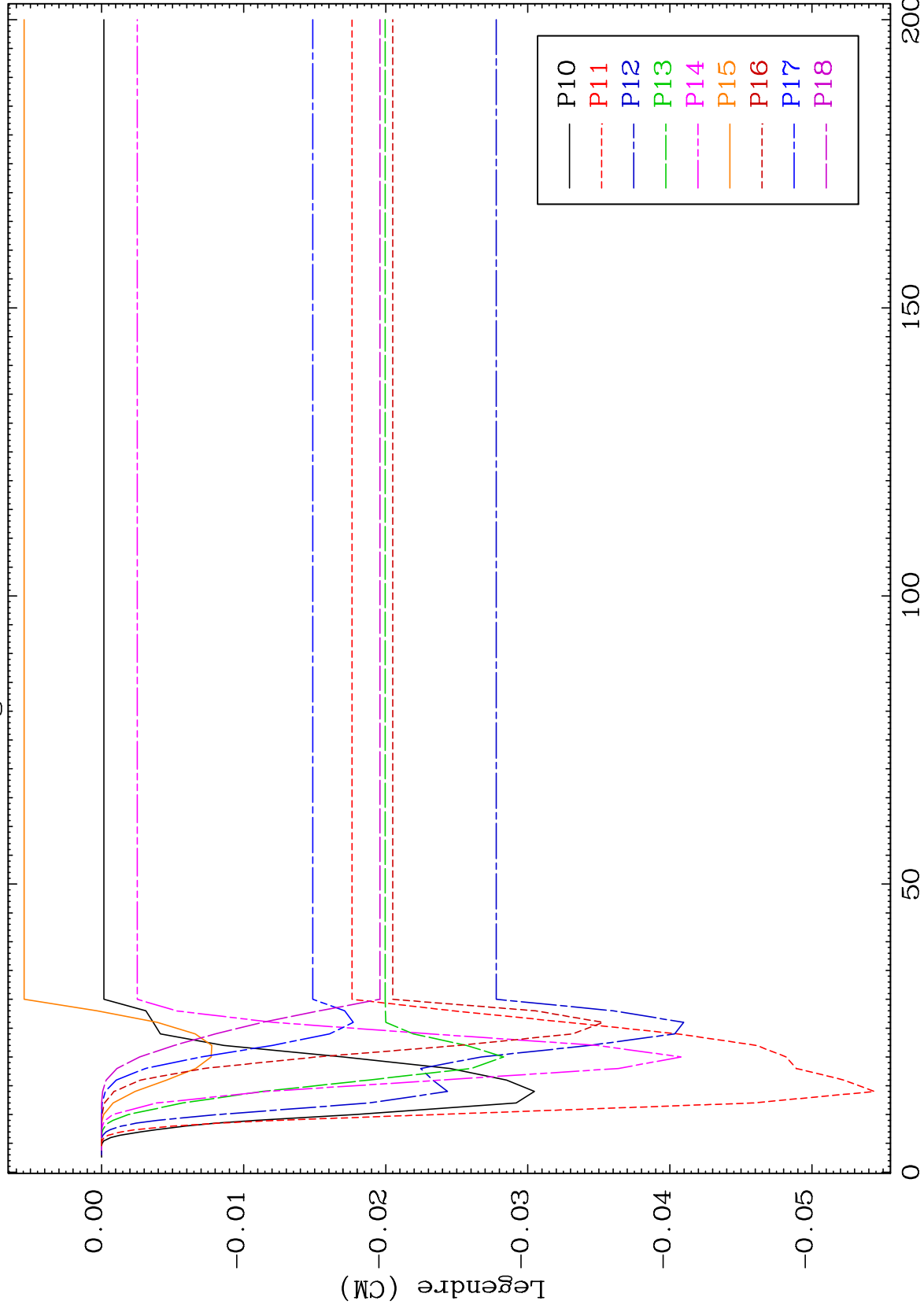
Incident Energy (MeV)

56-Ba-128

MAT 5619

MT= 70 (n,n') Level
Legendre Coefficients

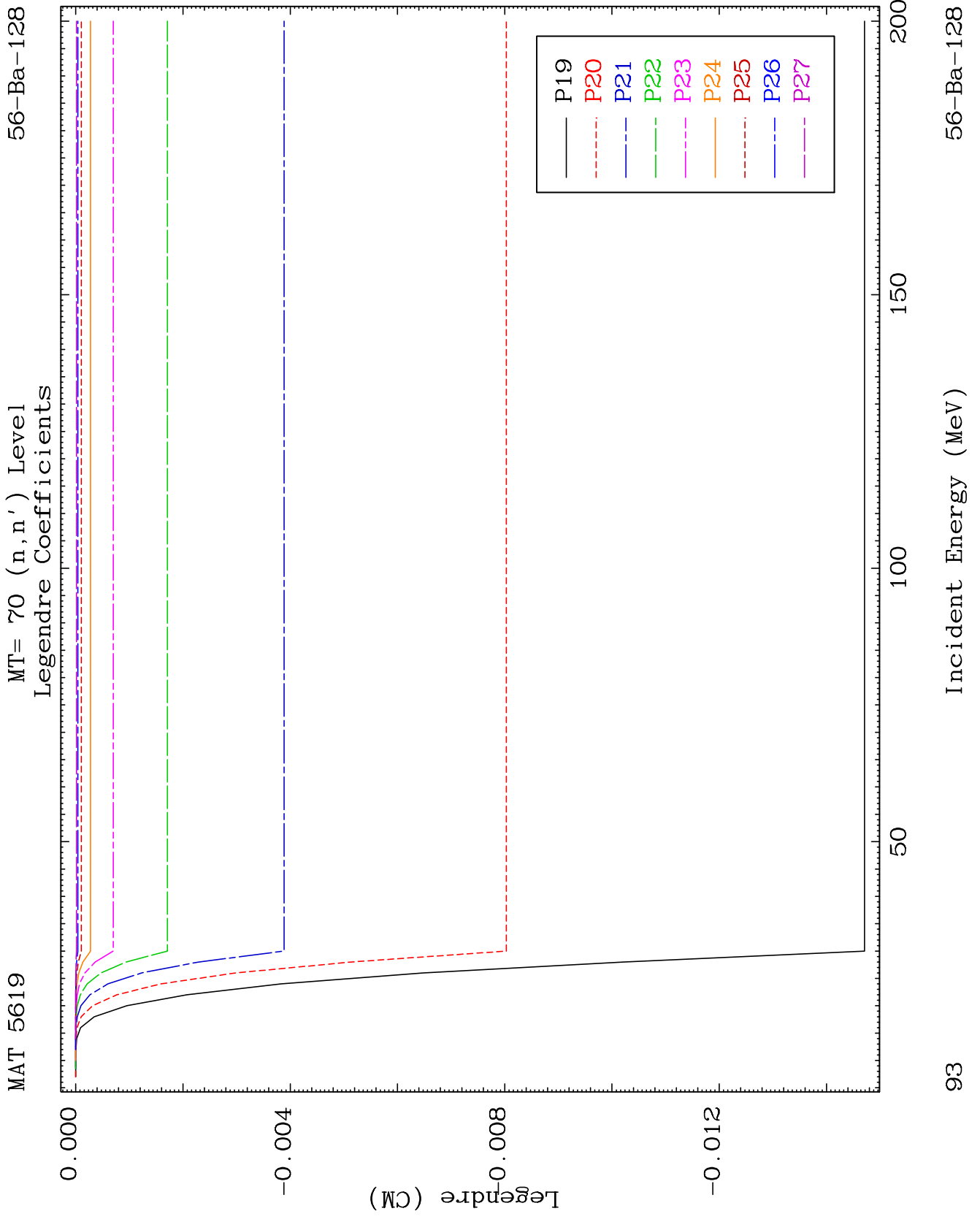
56-Ba-128

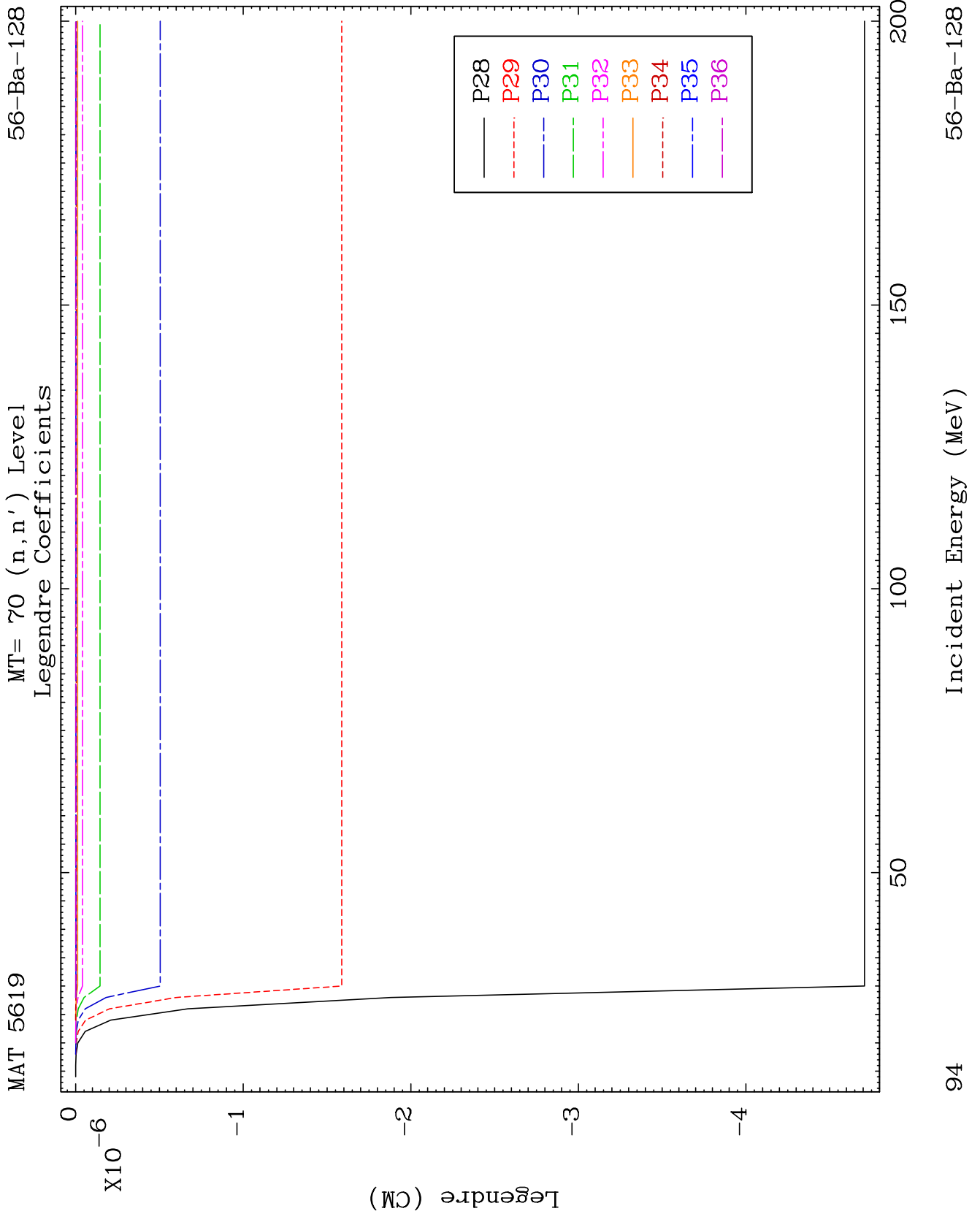


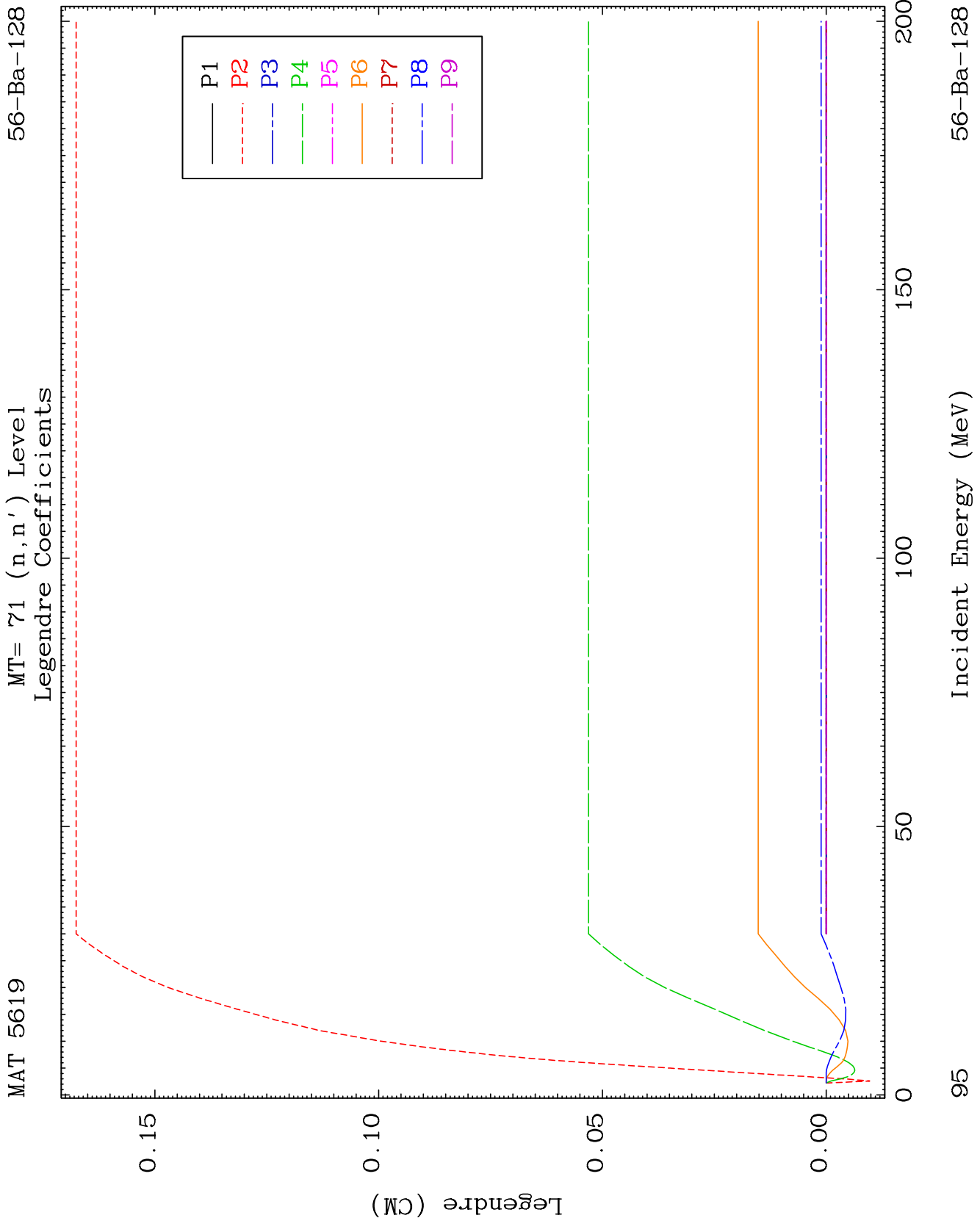
92

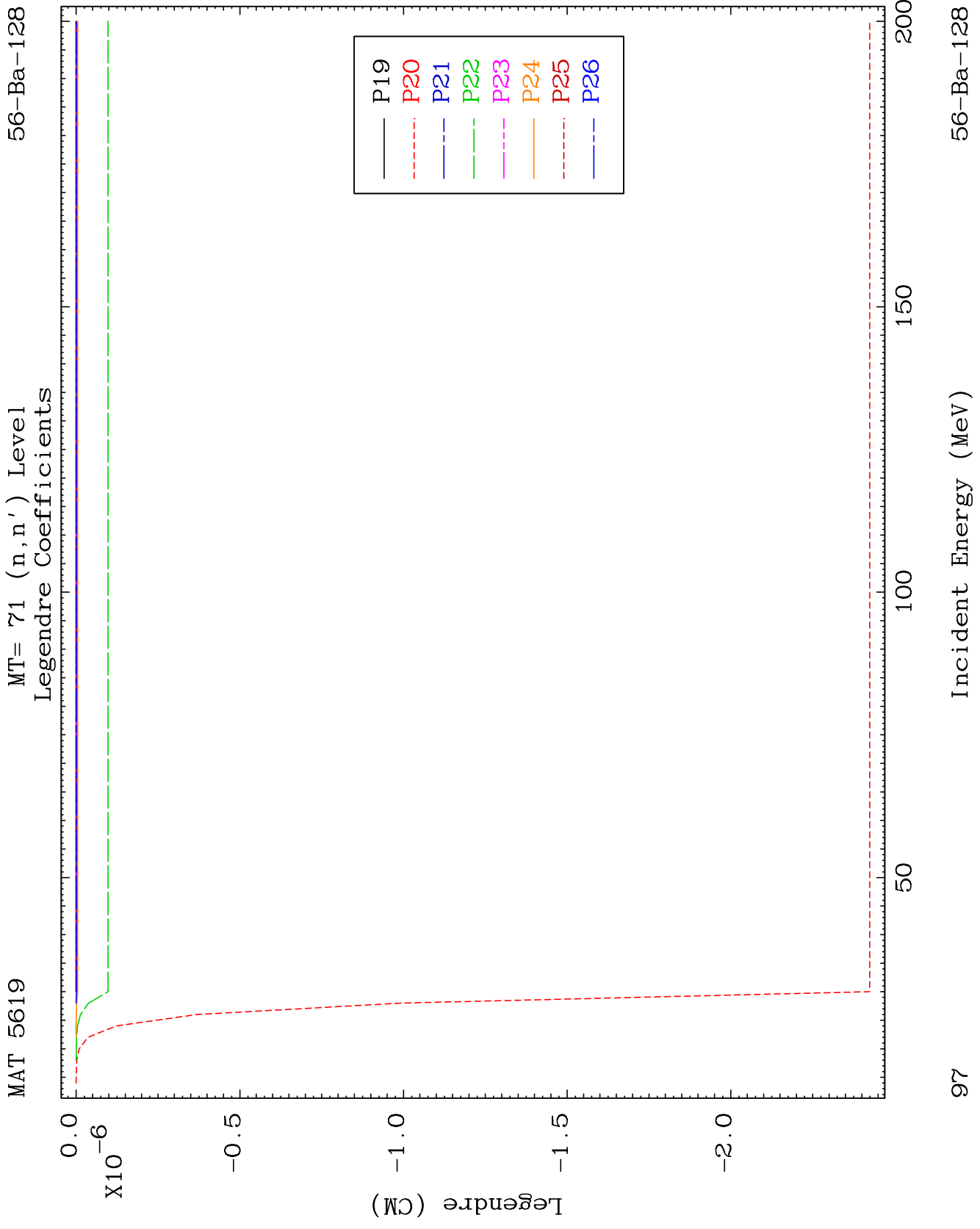
Incident Energy (MeV)

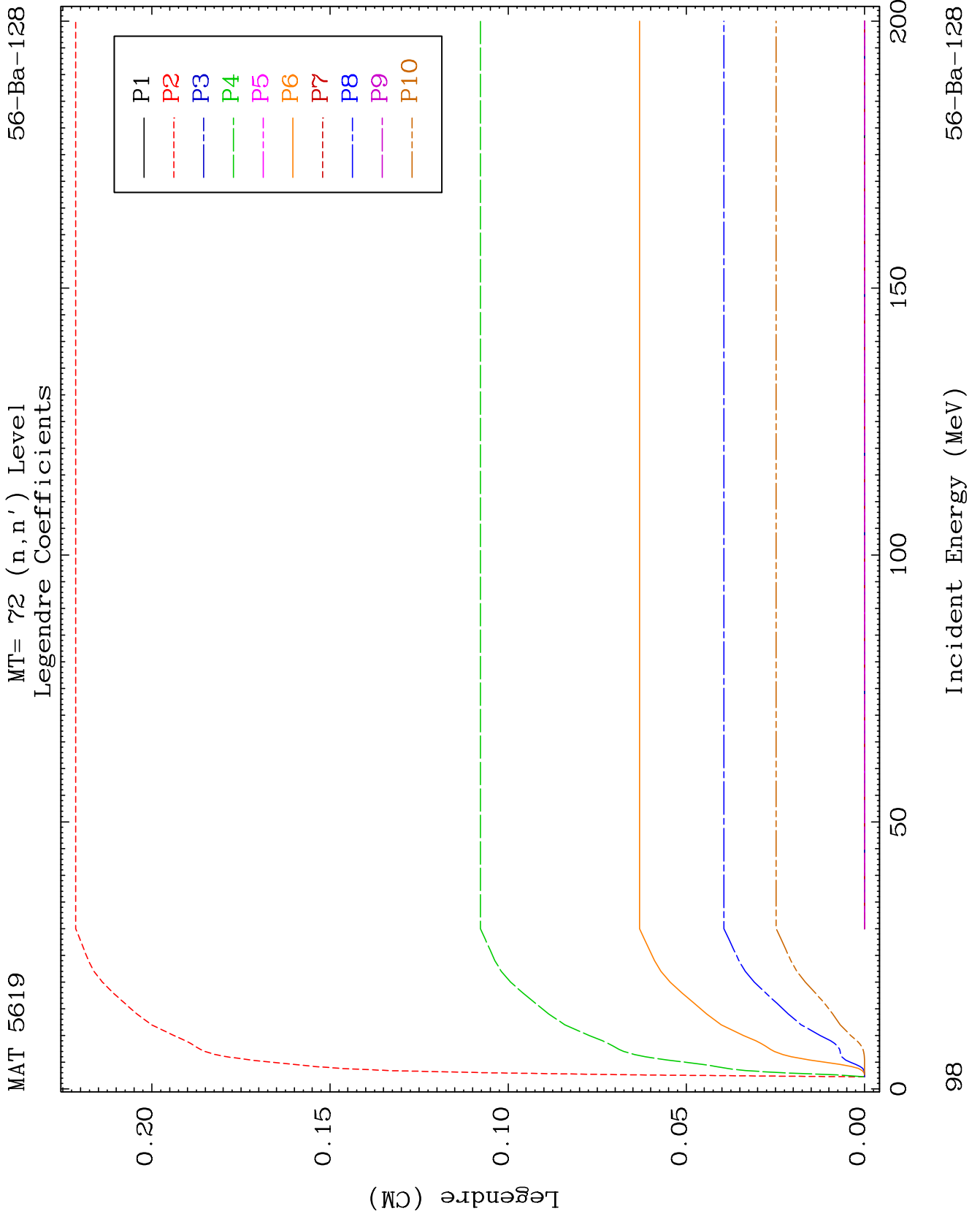
56-Ba-128

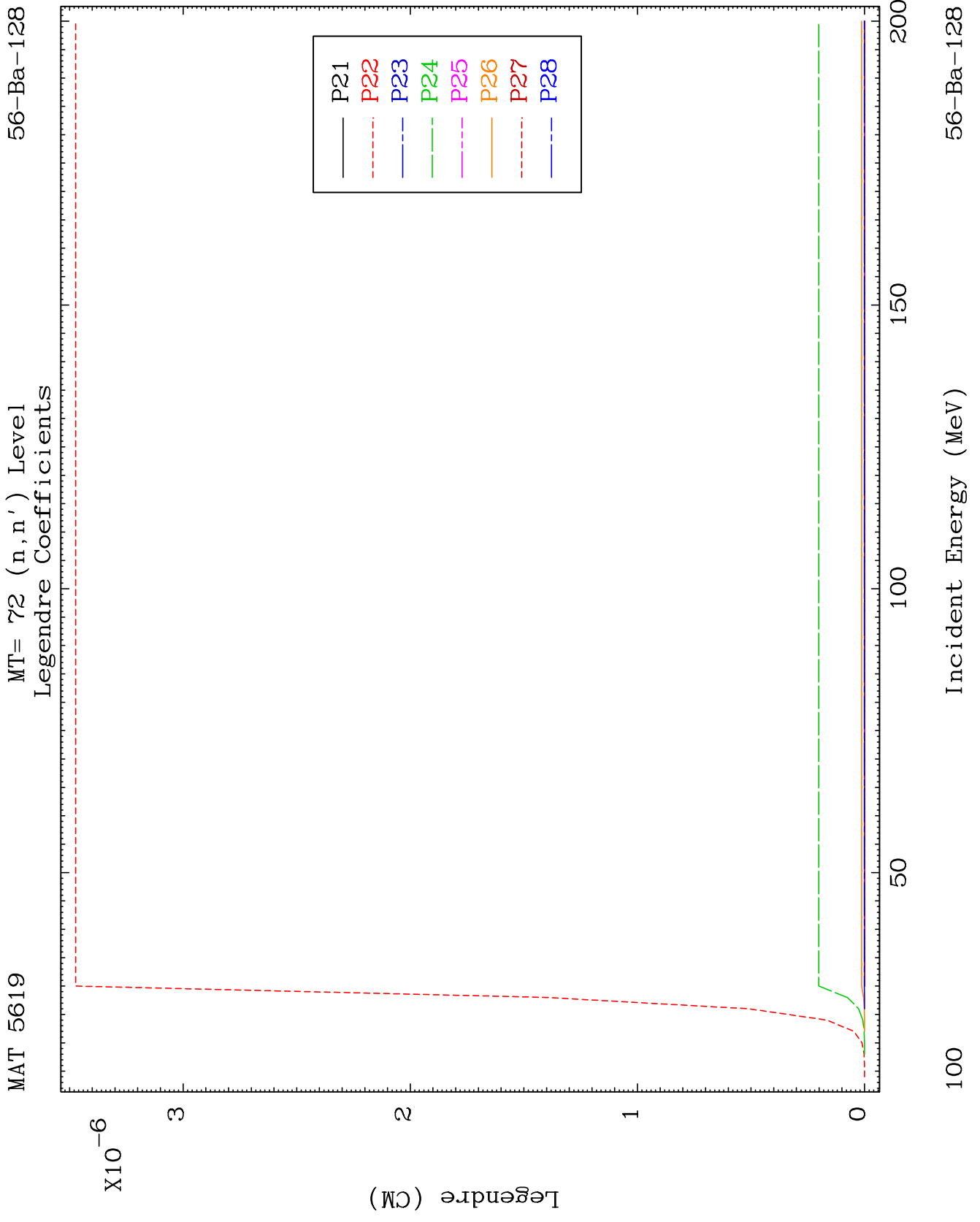








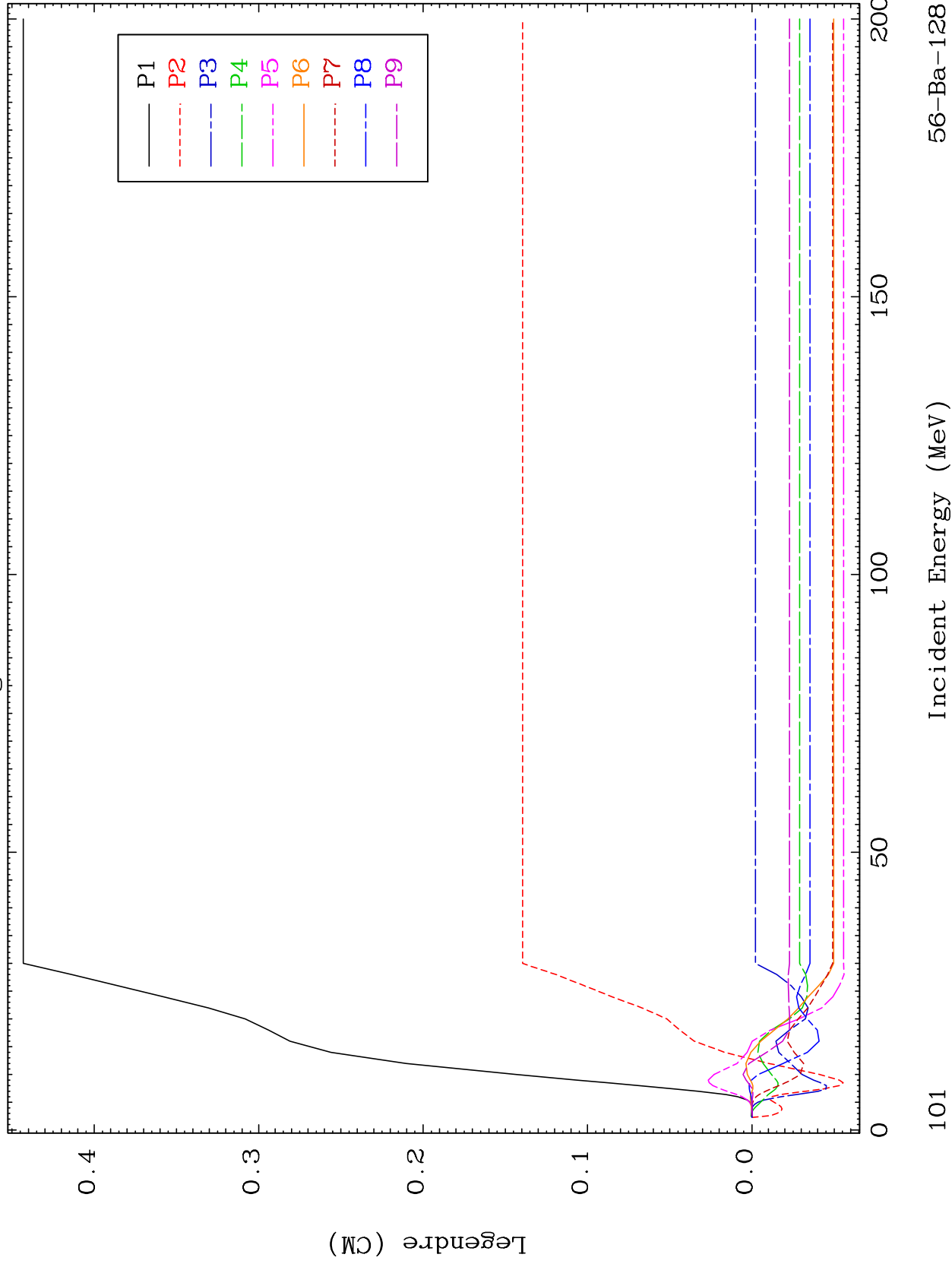




MAT 5619

MT= 73 (n,n') Level
Legendre Coefficients

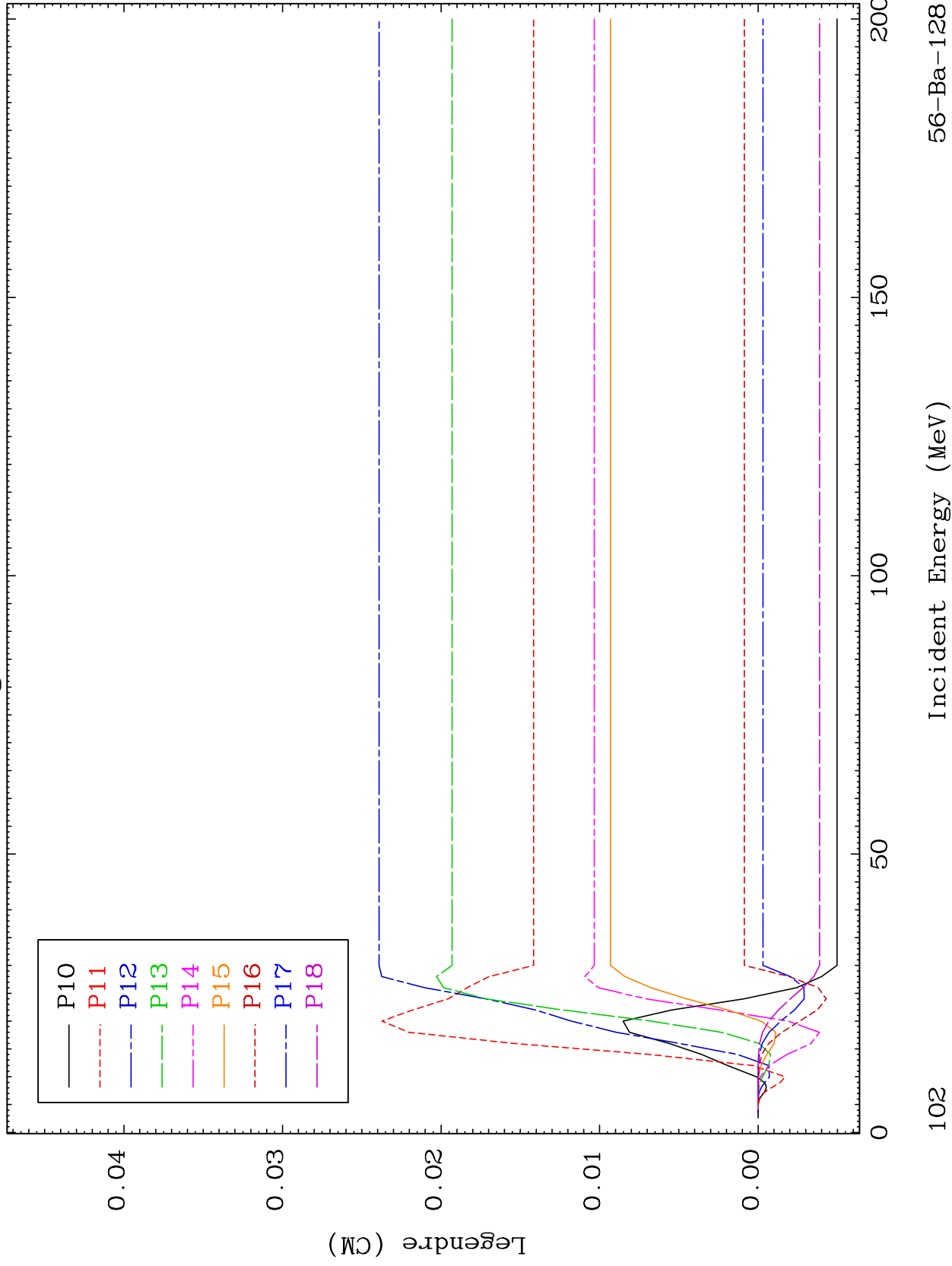
56-Ba-128



MAT 5619

MT= 73 (n,n') Level
Legendre Coefficients

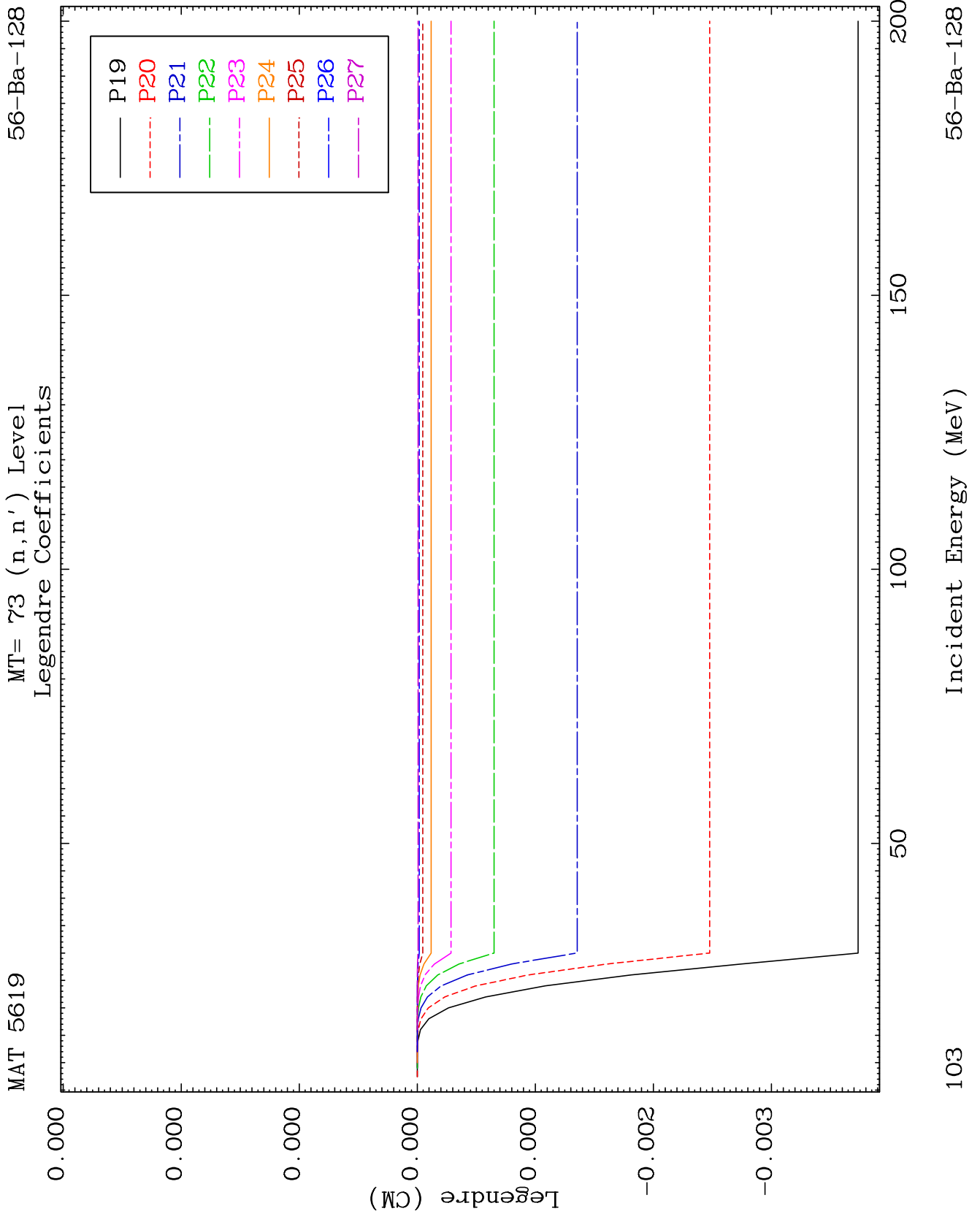
56-Ba-128

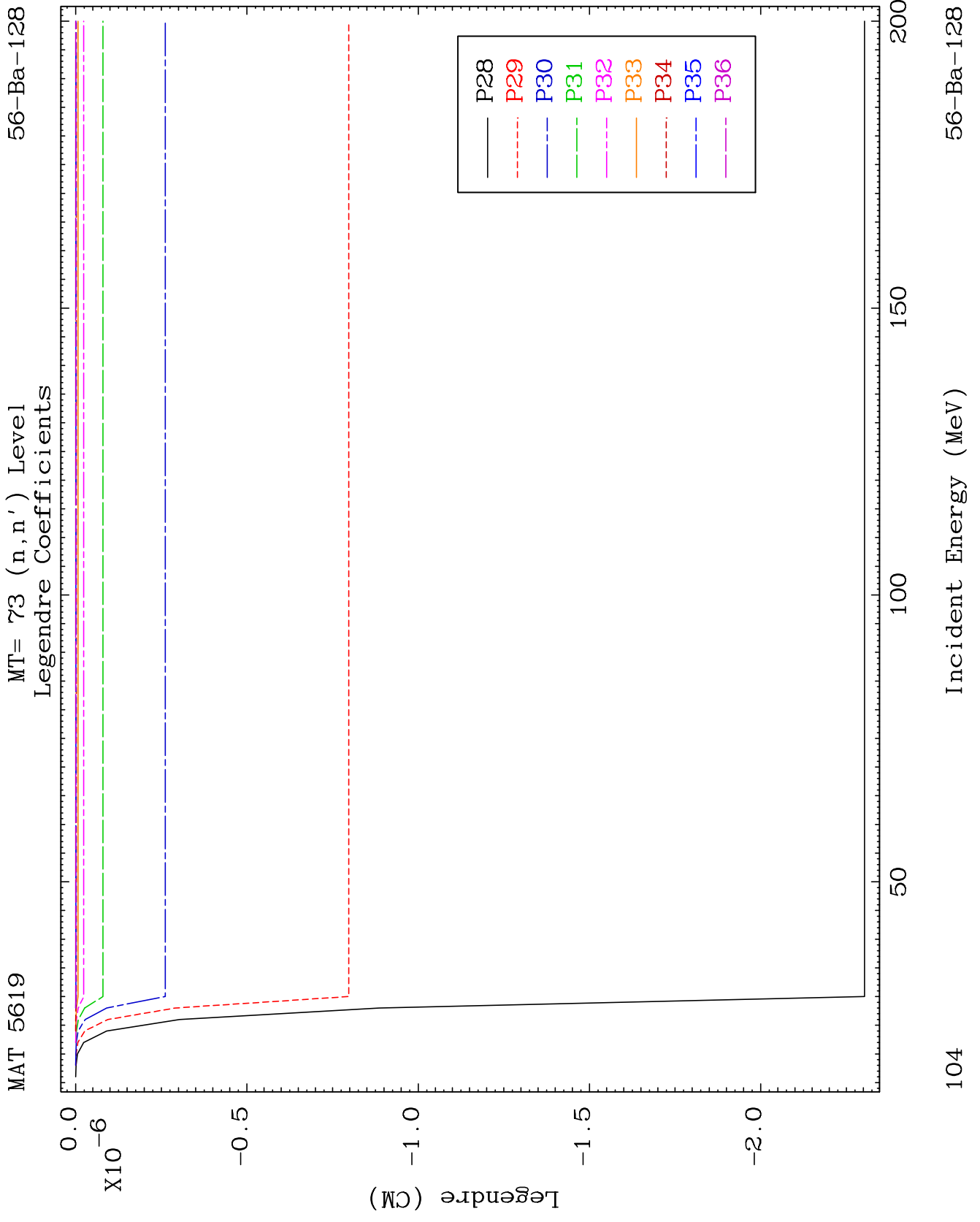


56-Ba-128

Incident Energy (MeV)

102

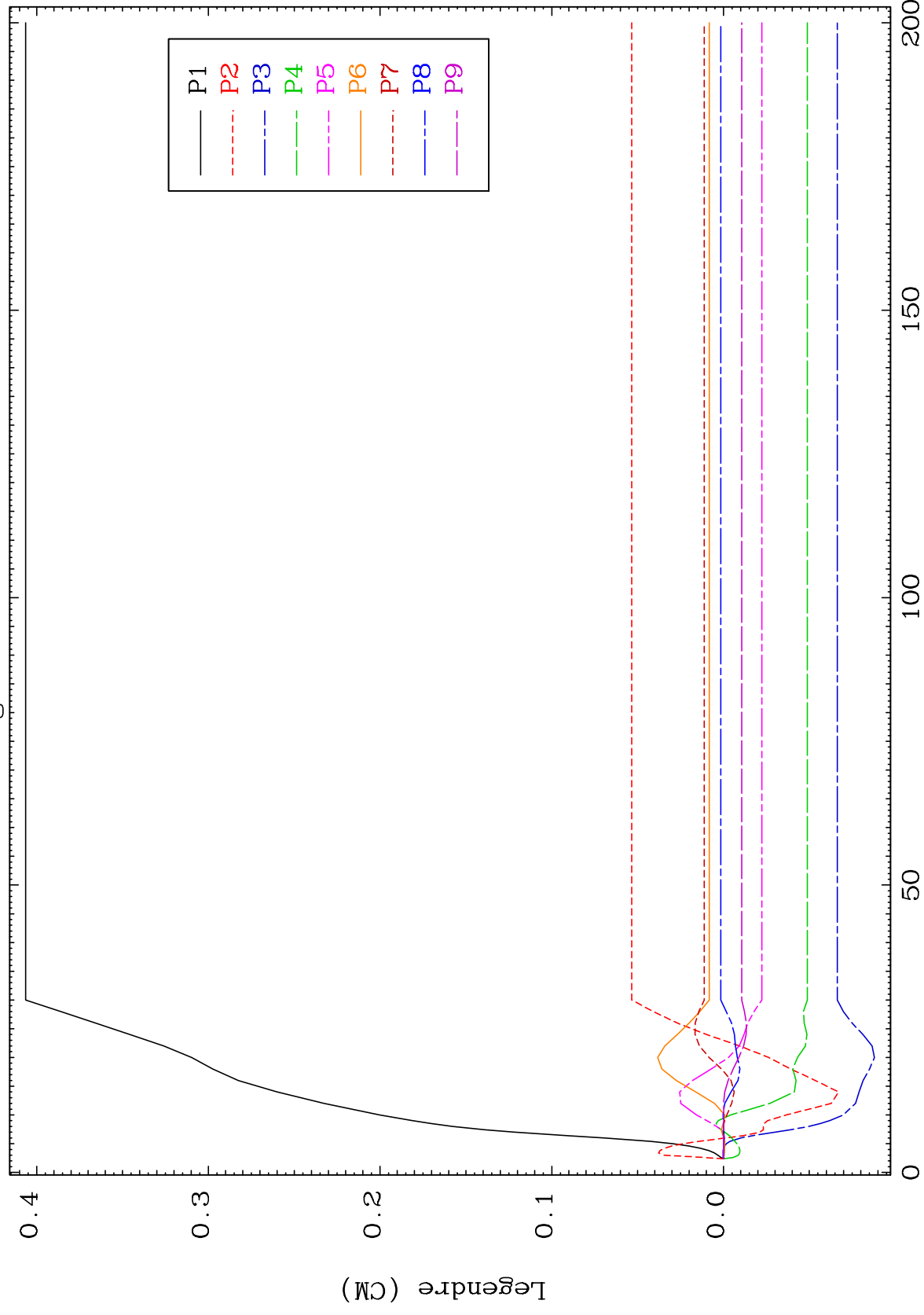




MAT 5619

MT= 74 (n,n') Level
Legendre Coefficients

56-Ba-128



56-Ba-128

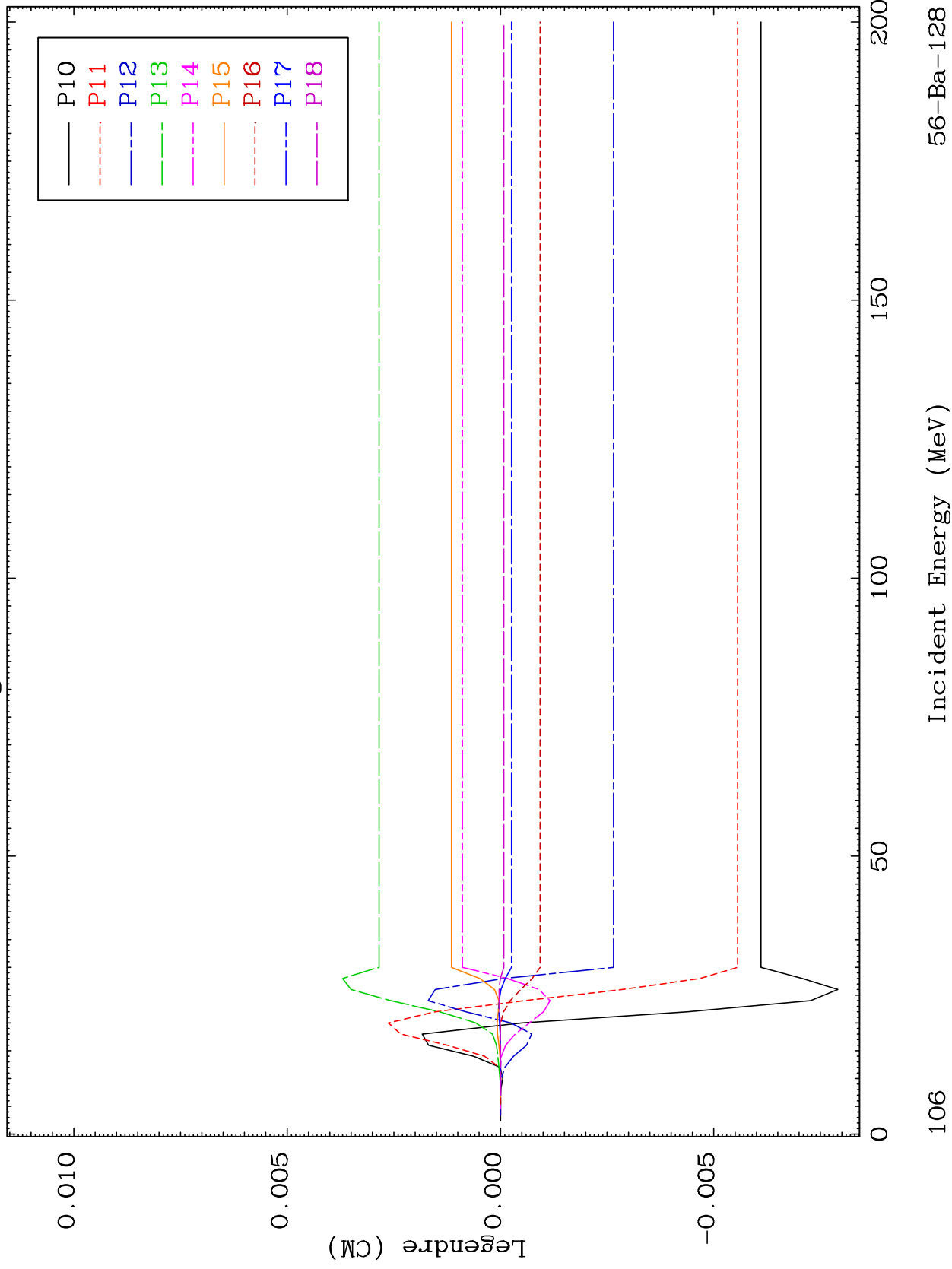
Incident Energy (MeV)

105

MAT 5619

MT= 74 (n,n') Level
Legendre Coefficients

56-Ba-128



56-Ba-128

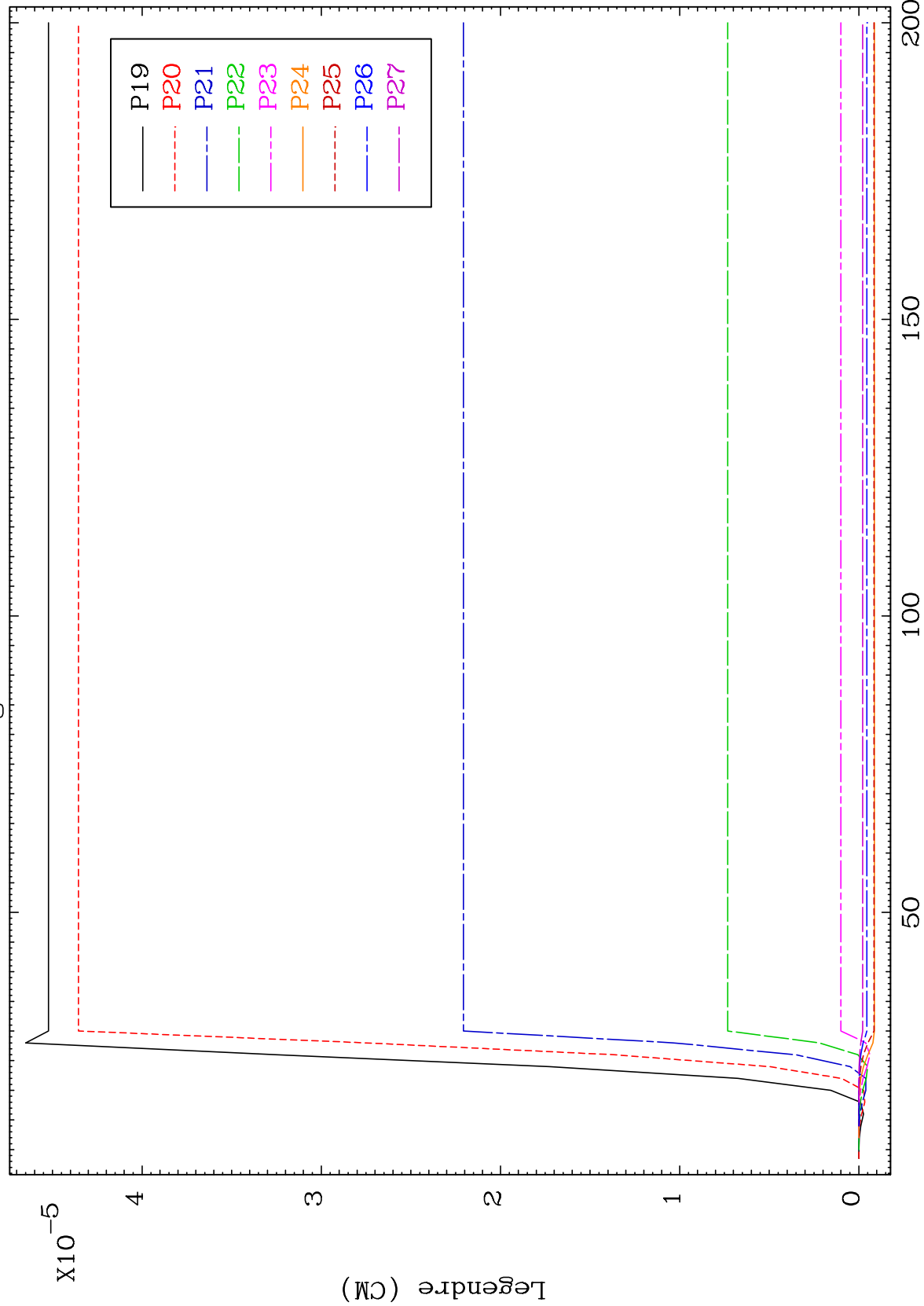
Incident Energy (MeV)

106

MAT 5619

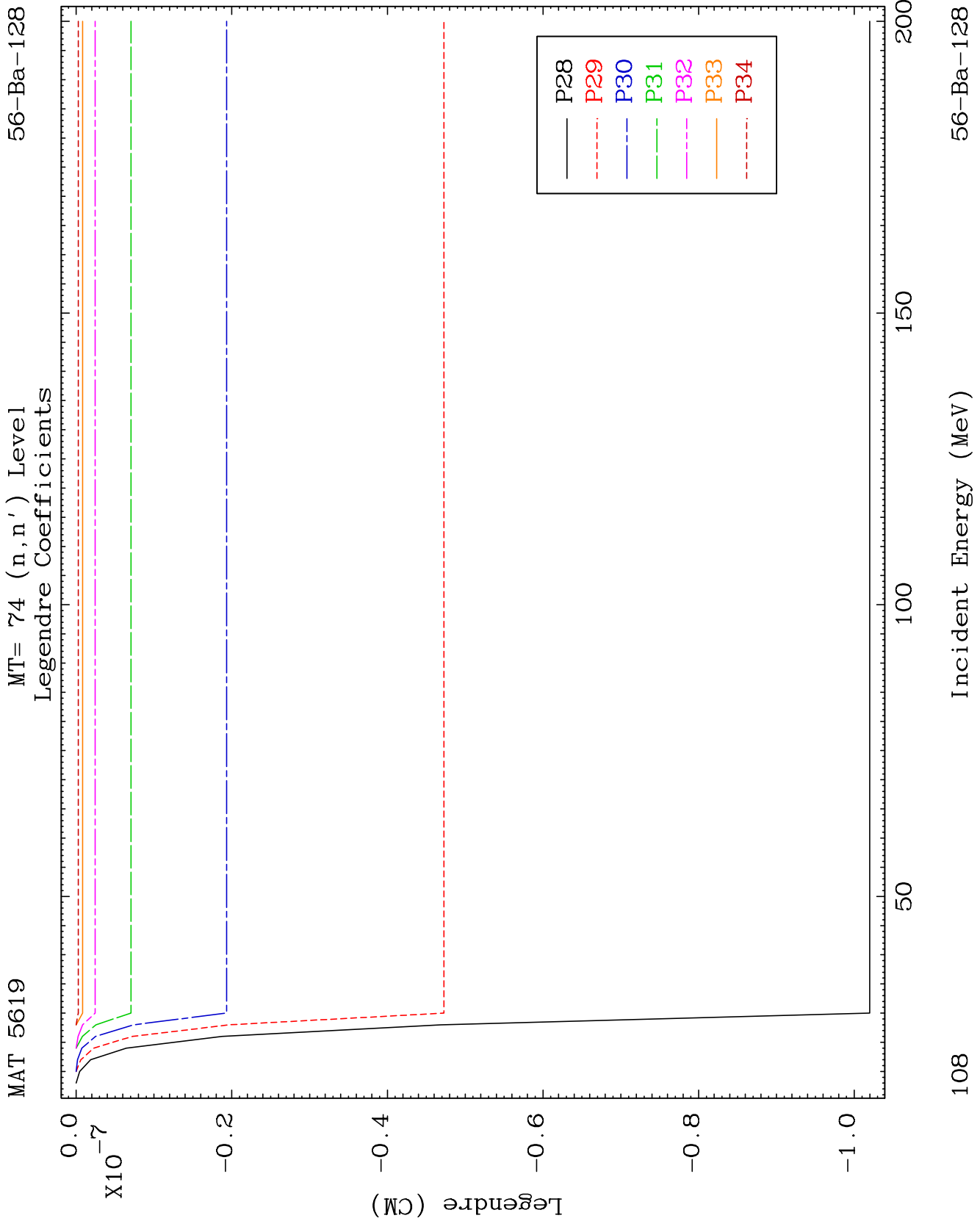
MT= 74 (n,n') Level
Legendre Coefficients

56-Ba-128



107

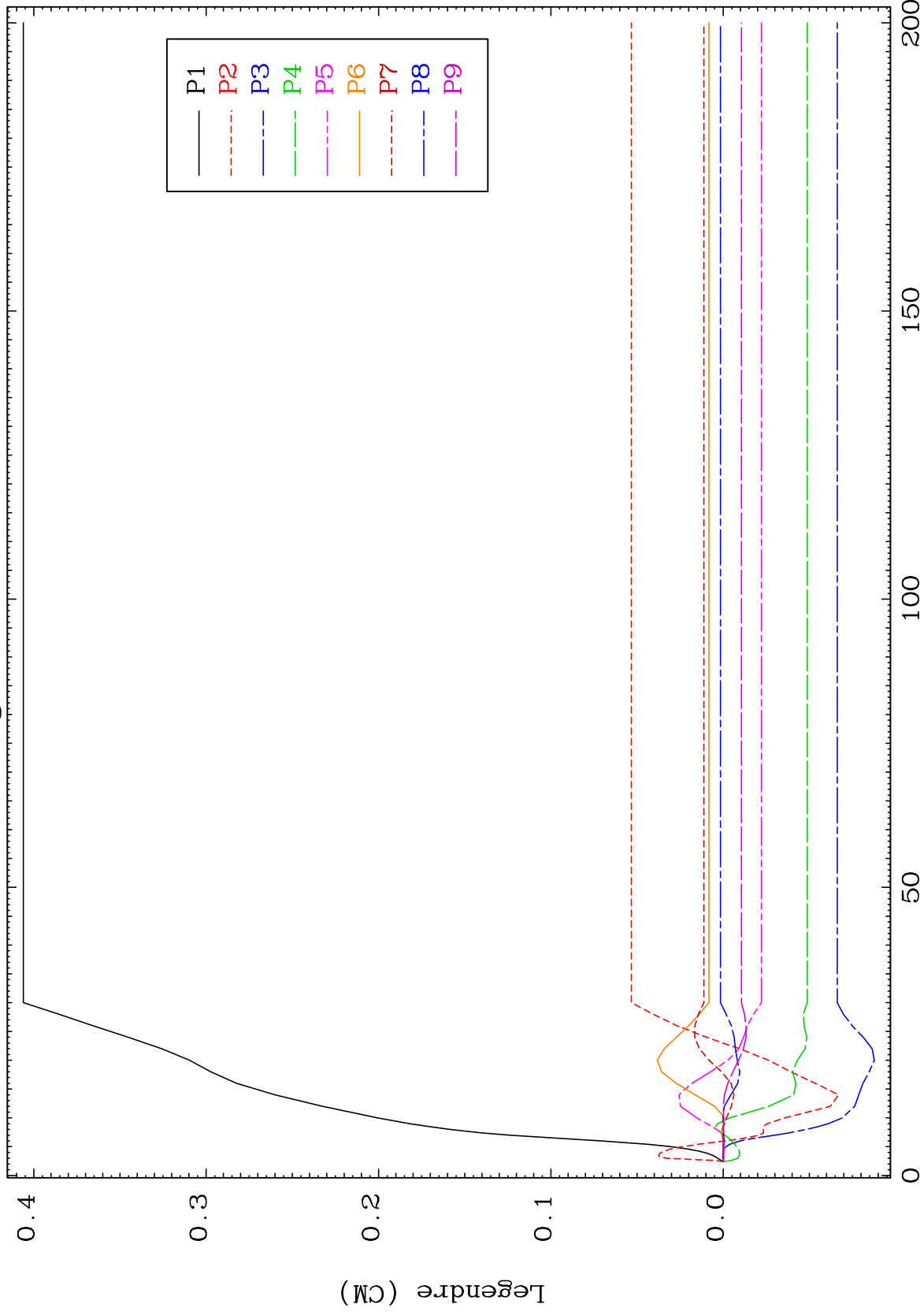
56-Ba-128



MAT 5619

MT= 75 (n,n') Level
Legendre Coefficients

56-Ba-128



109

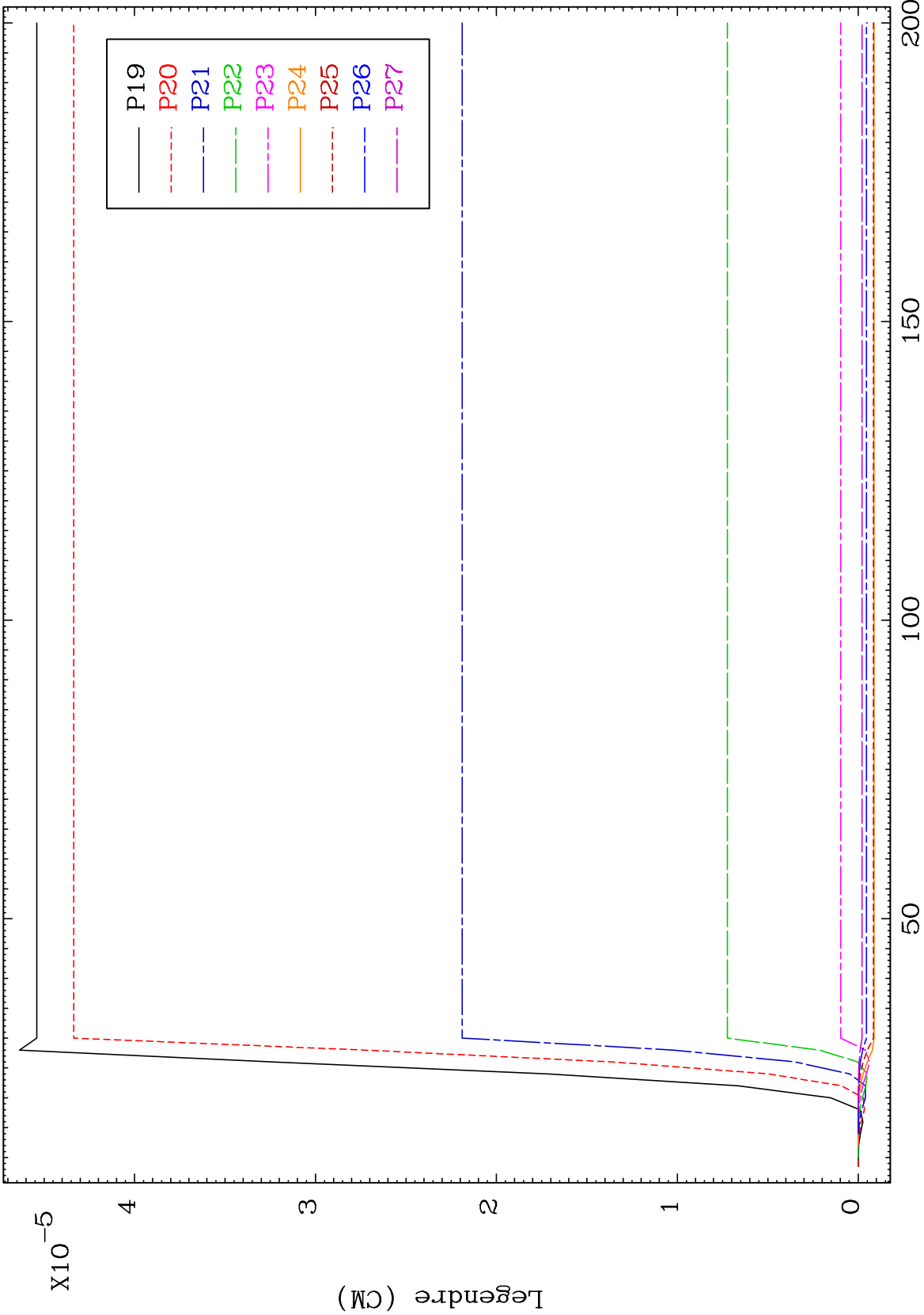
Incident Energy (MeV)

56-Ba-128

MAT 5619

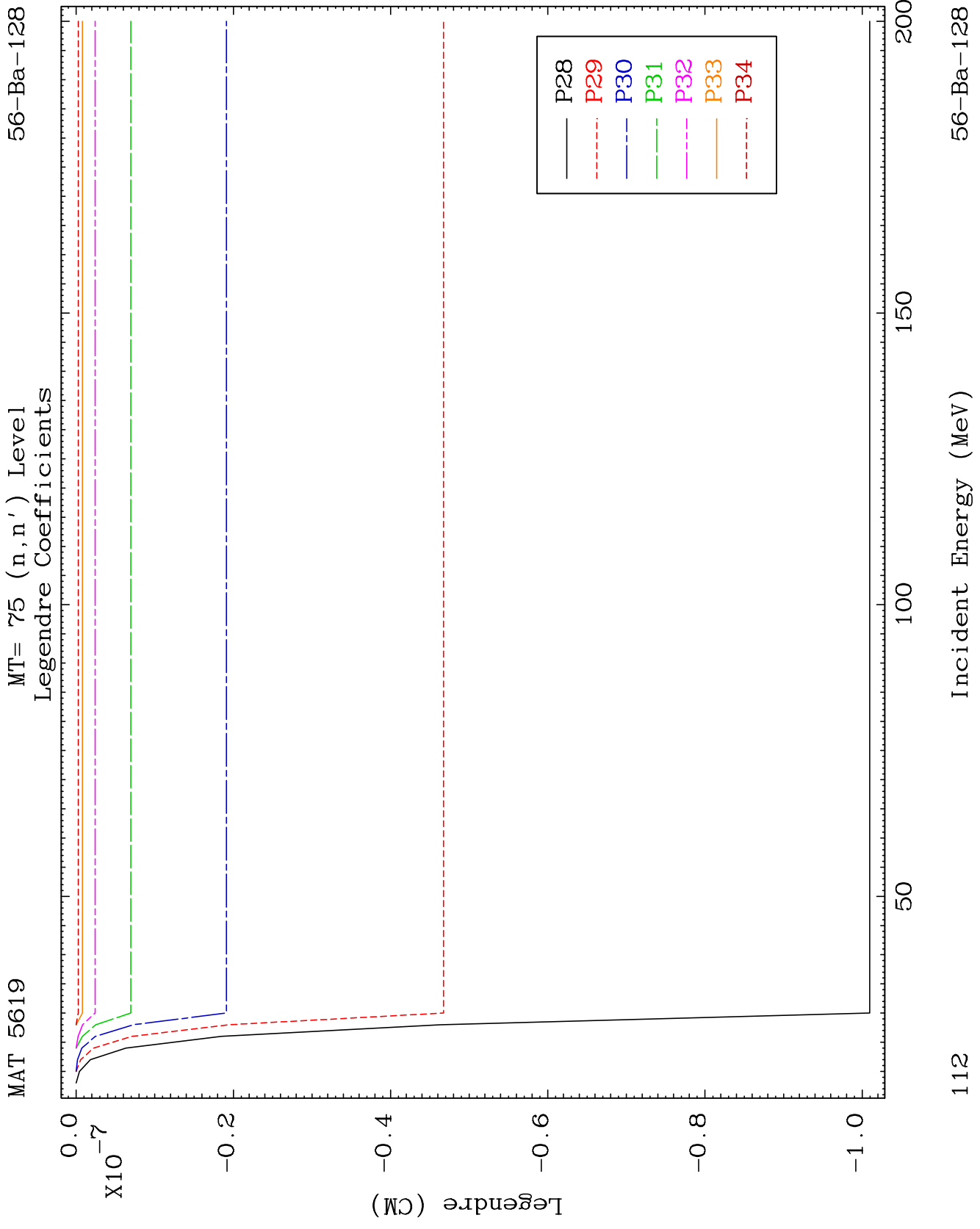
MT= 75 (n,n') Level
Legendre Coefficients

56-Ba-128



111

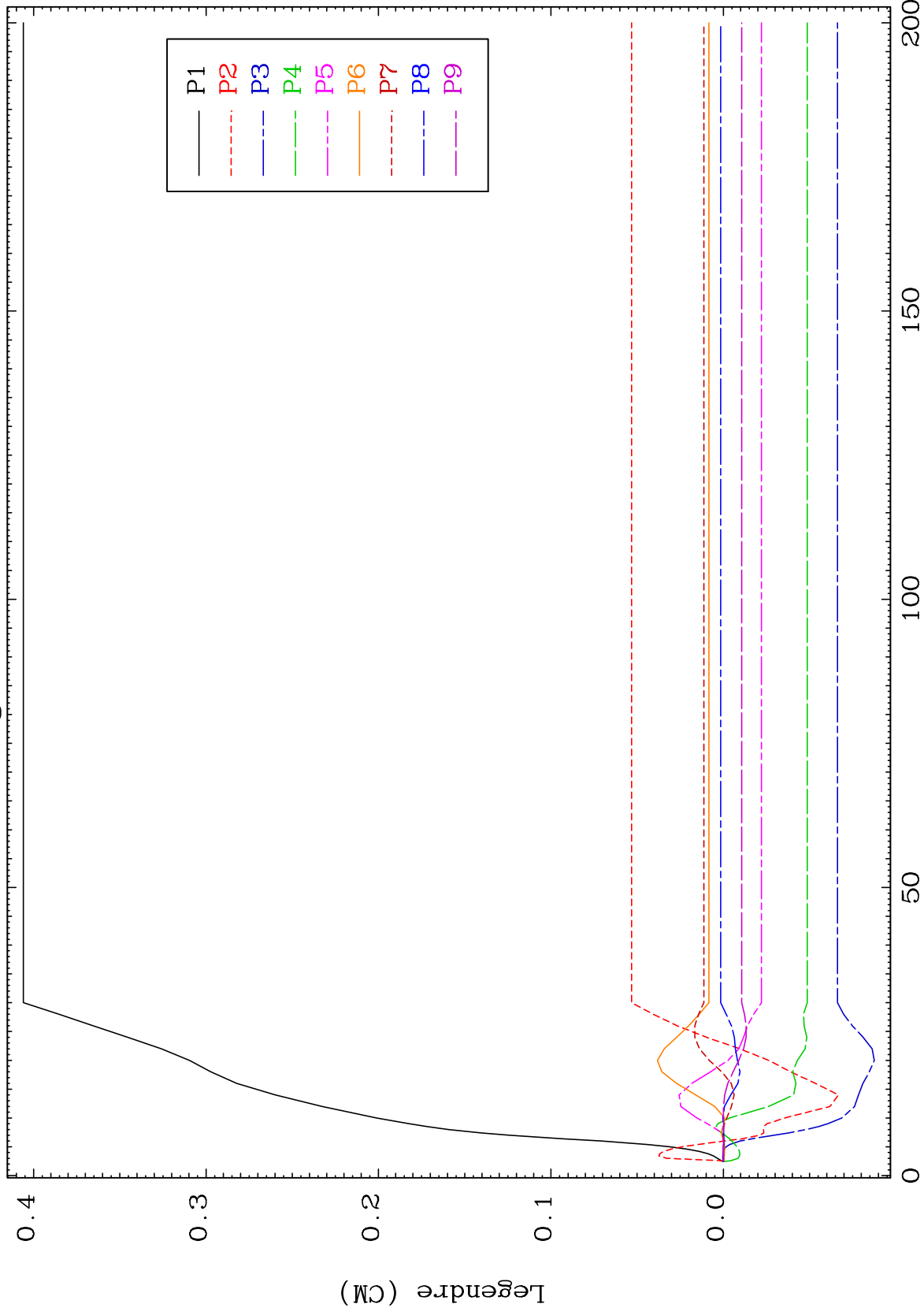
56-Ba-128



MAT 5619

MT= 76 (n,n') Level
Legendre Coefficients

56-Ba-128



113

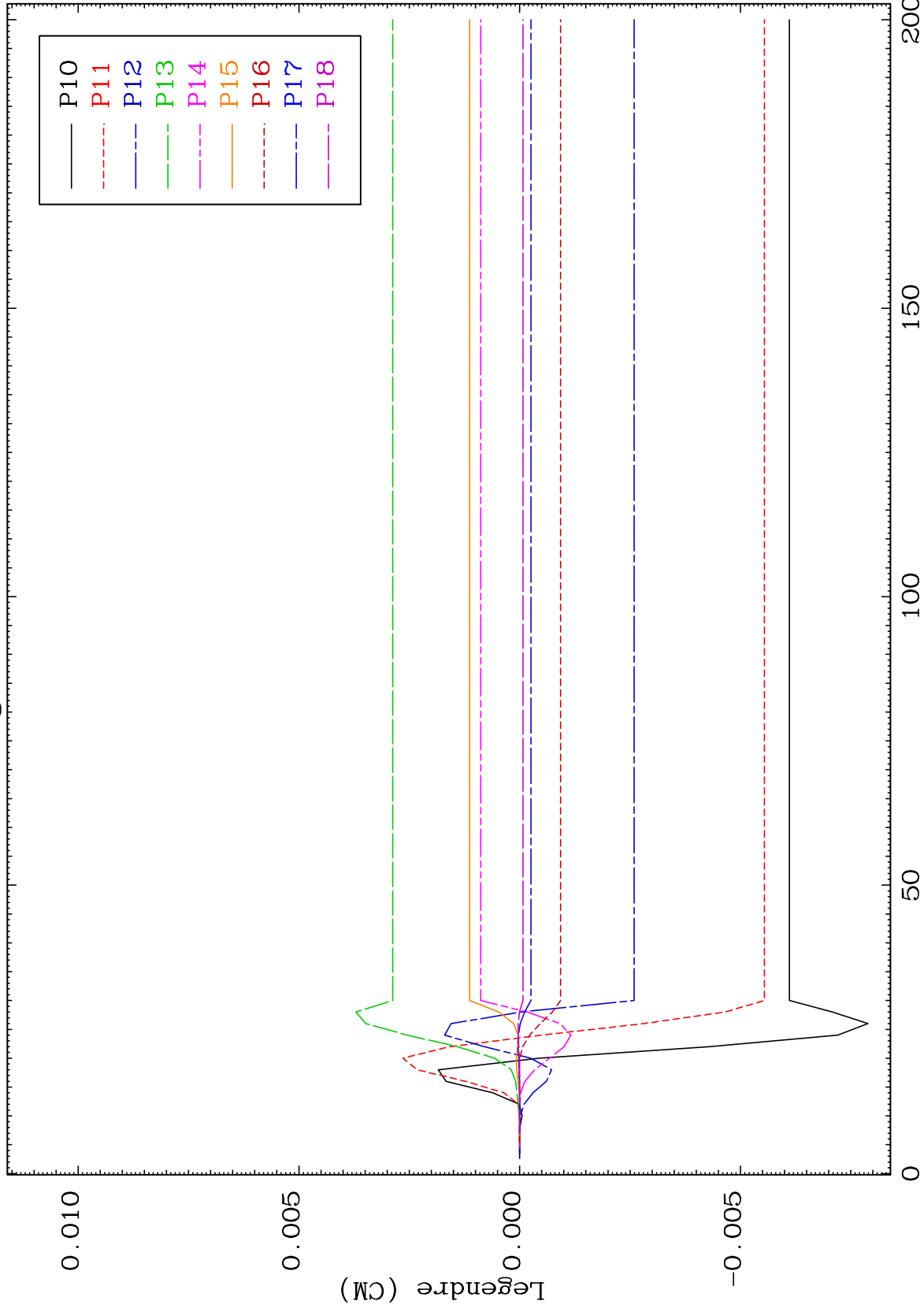
Incident Energy (MeV)

56-Ba-128

MAT 5619

MT= 76 (n,n') Level
Legendre Coefficients

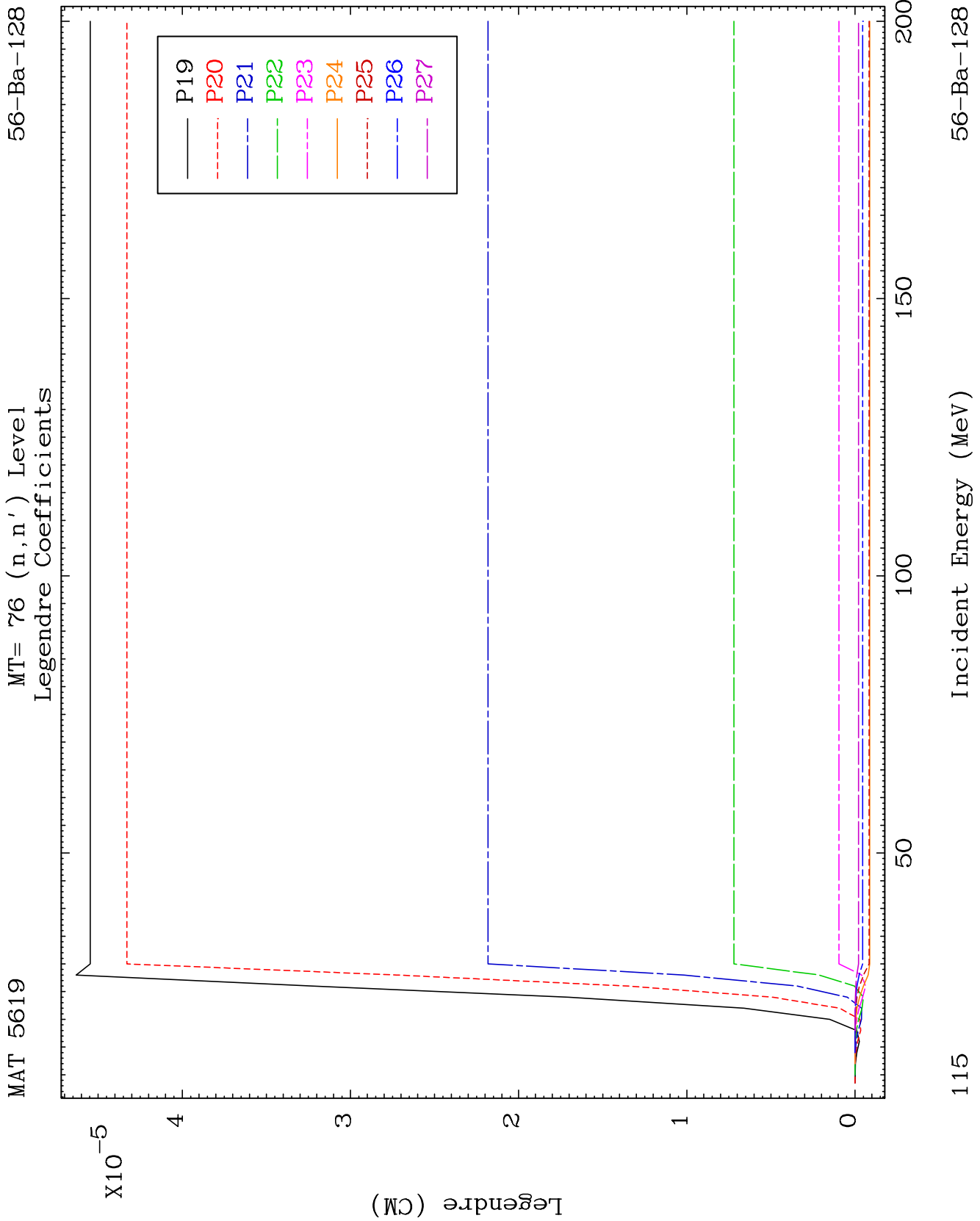
56-Ba-128

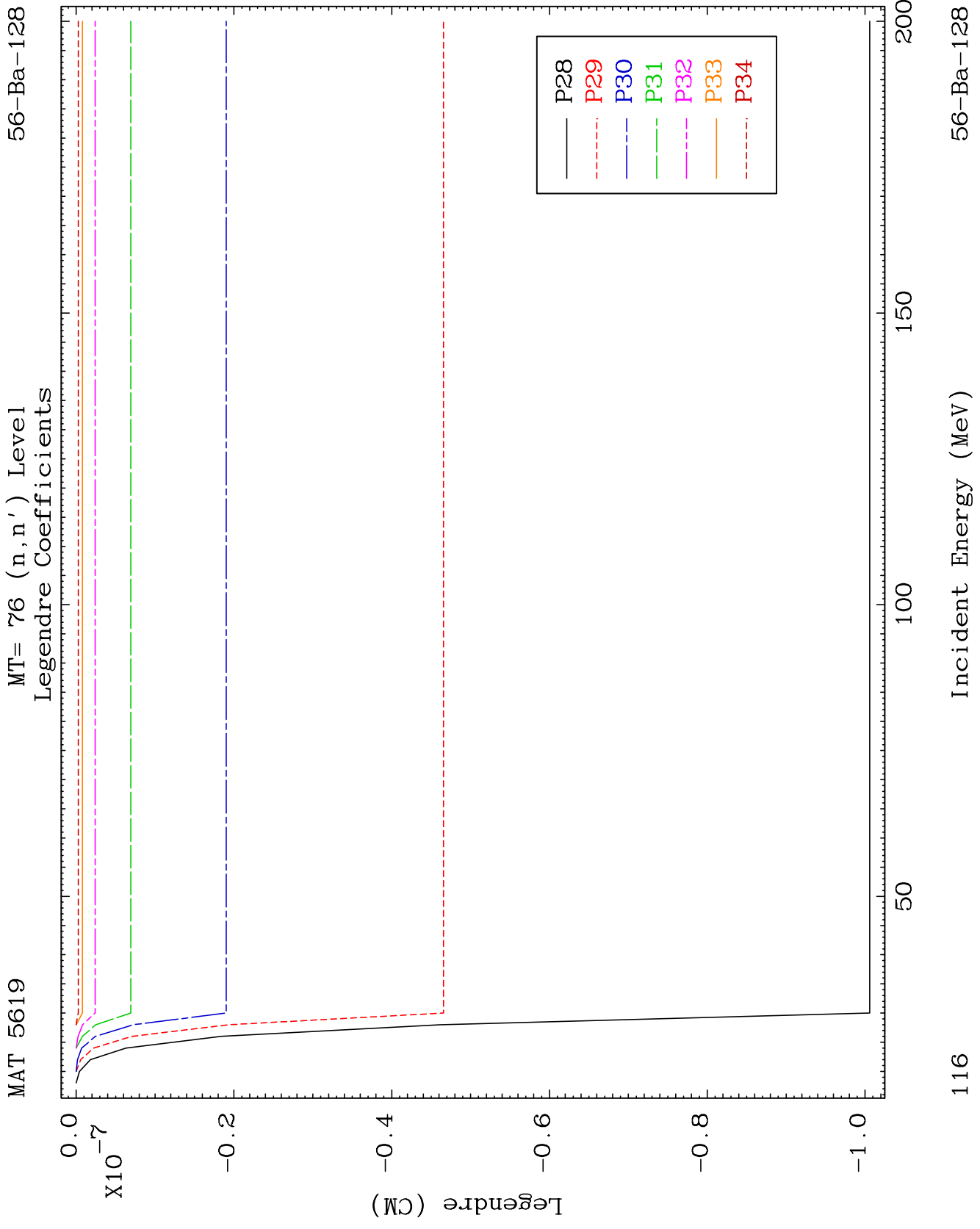


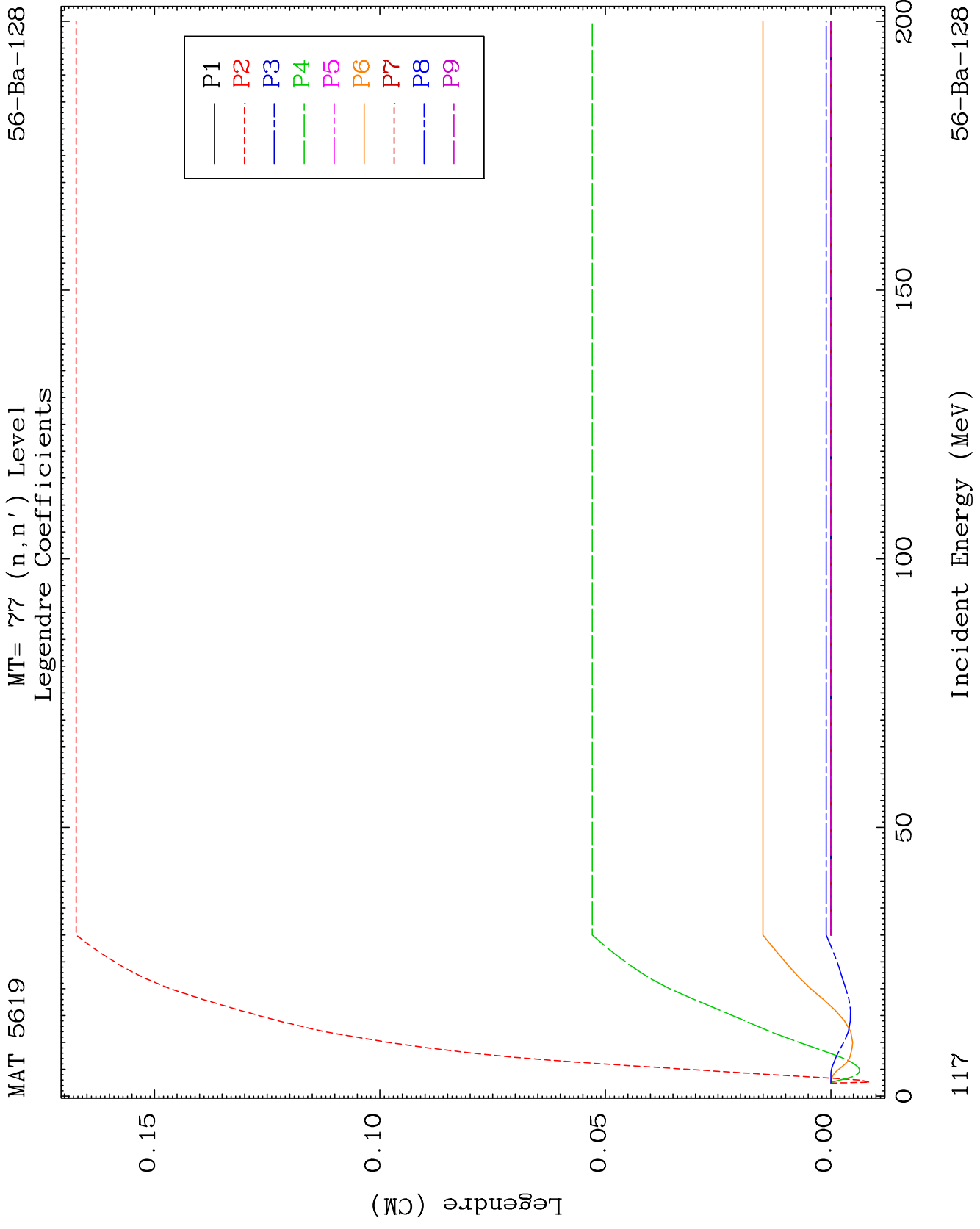
114

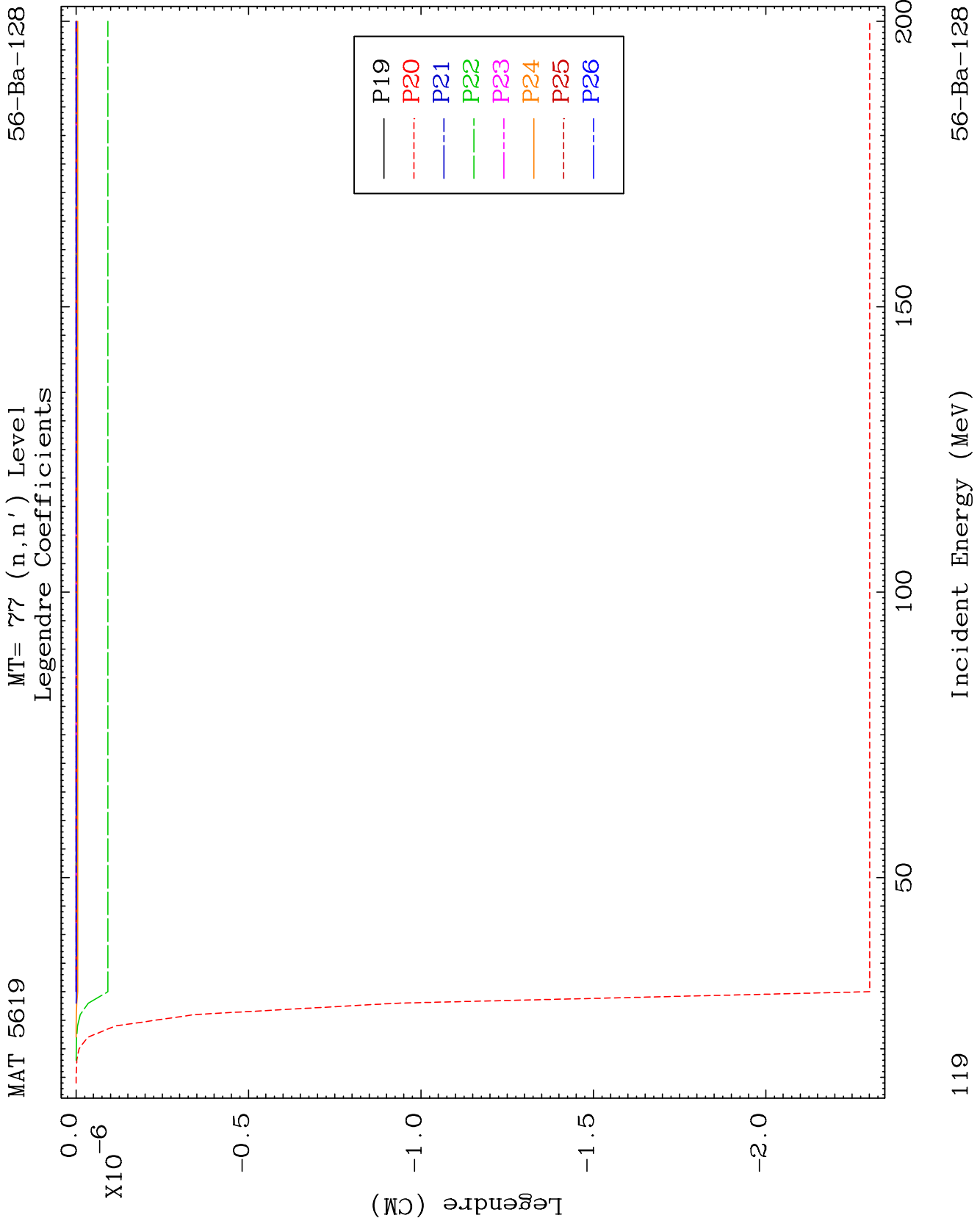
Incident Energy (MeV)

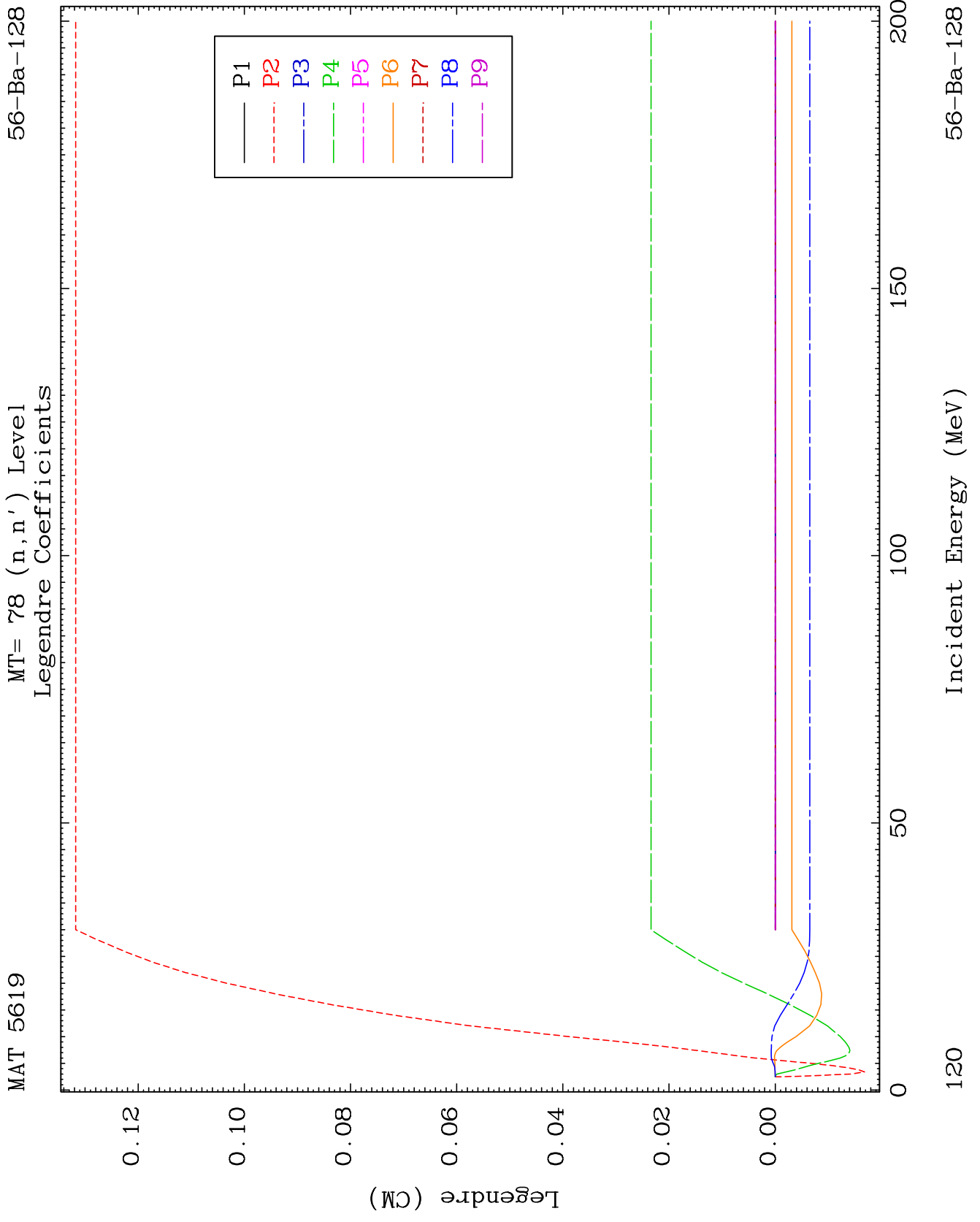
56-Ba-128







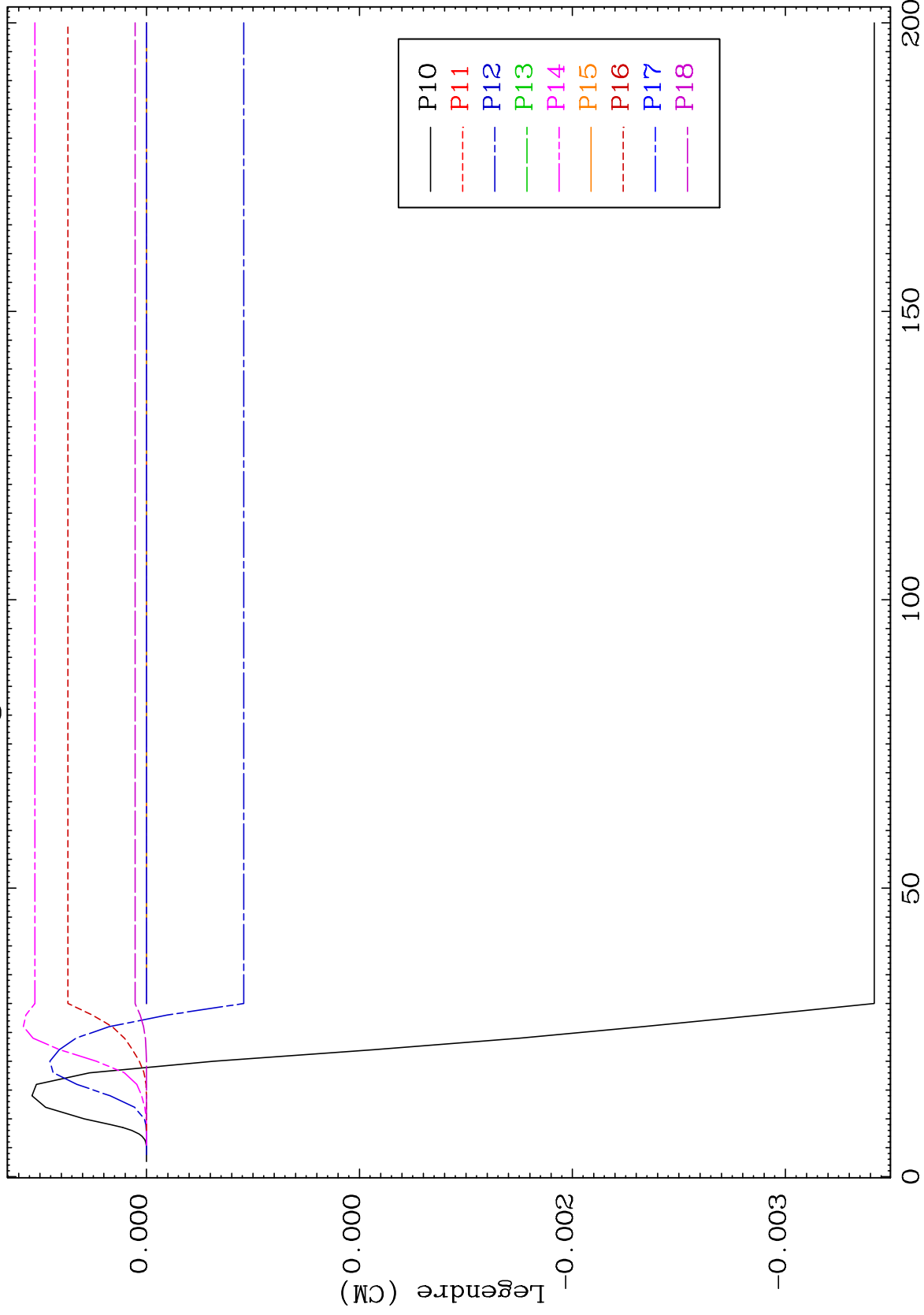




MAT 5619

MT= 78 (n,n') Level
Legendre Coefficients

56-Ba-128



121

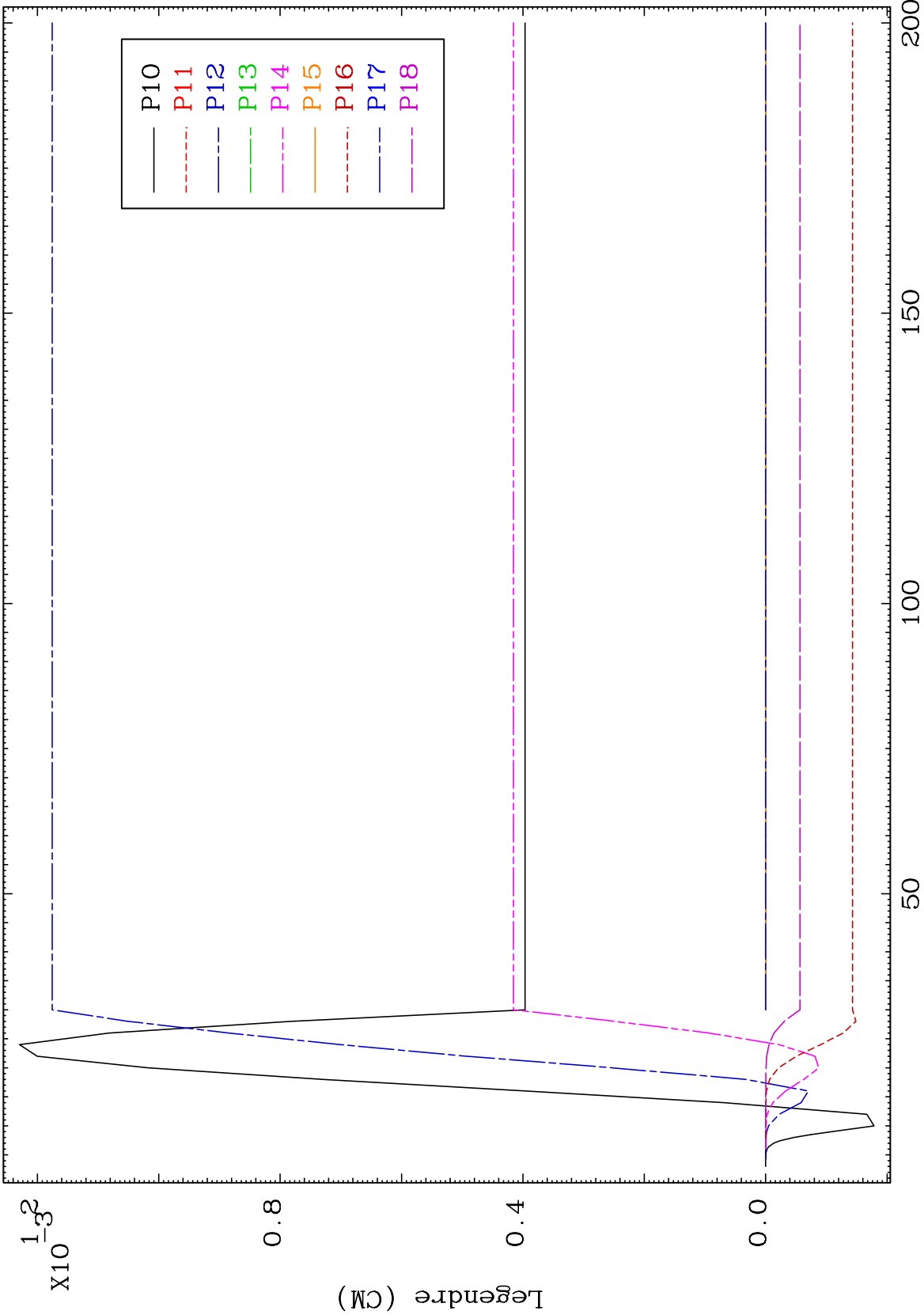
Incident Energy (MeV)

56-Ba-128

MAT 5619

MT= 79 (n,n') Level
Legendre Coefficients

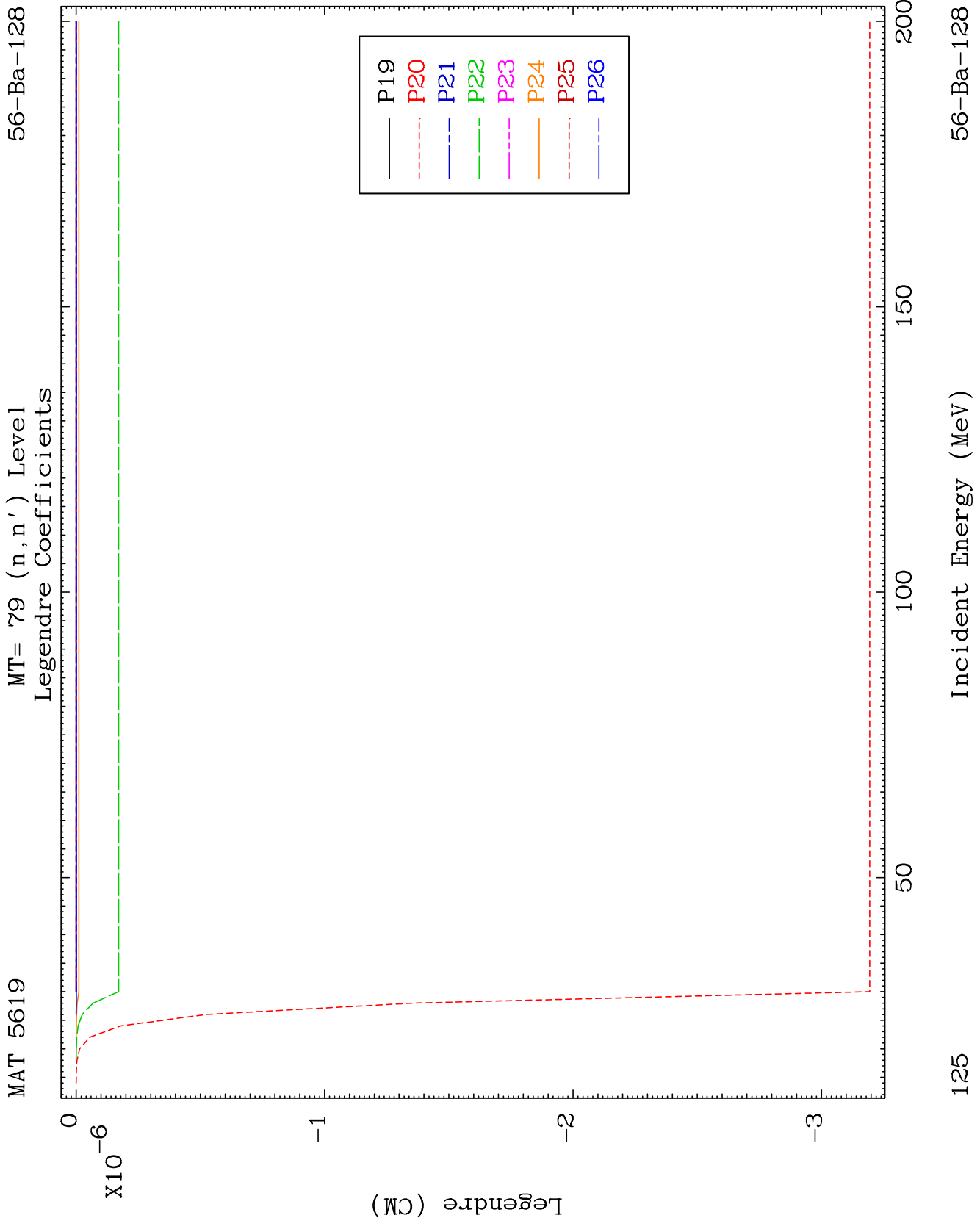
56-Ba-128

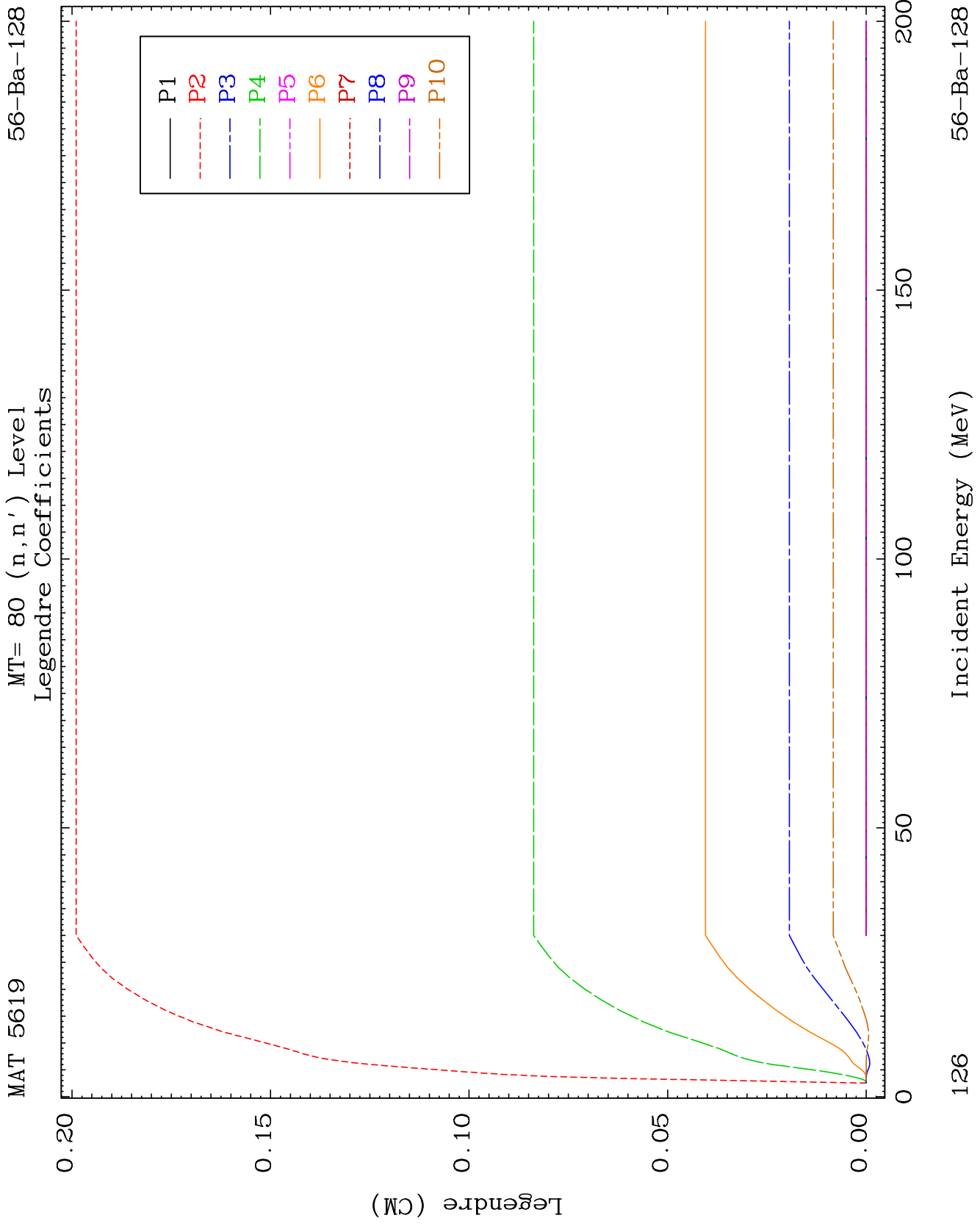


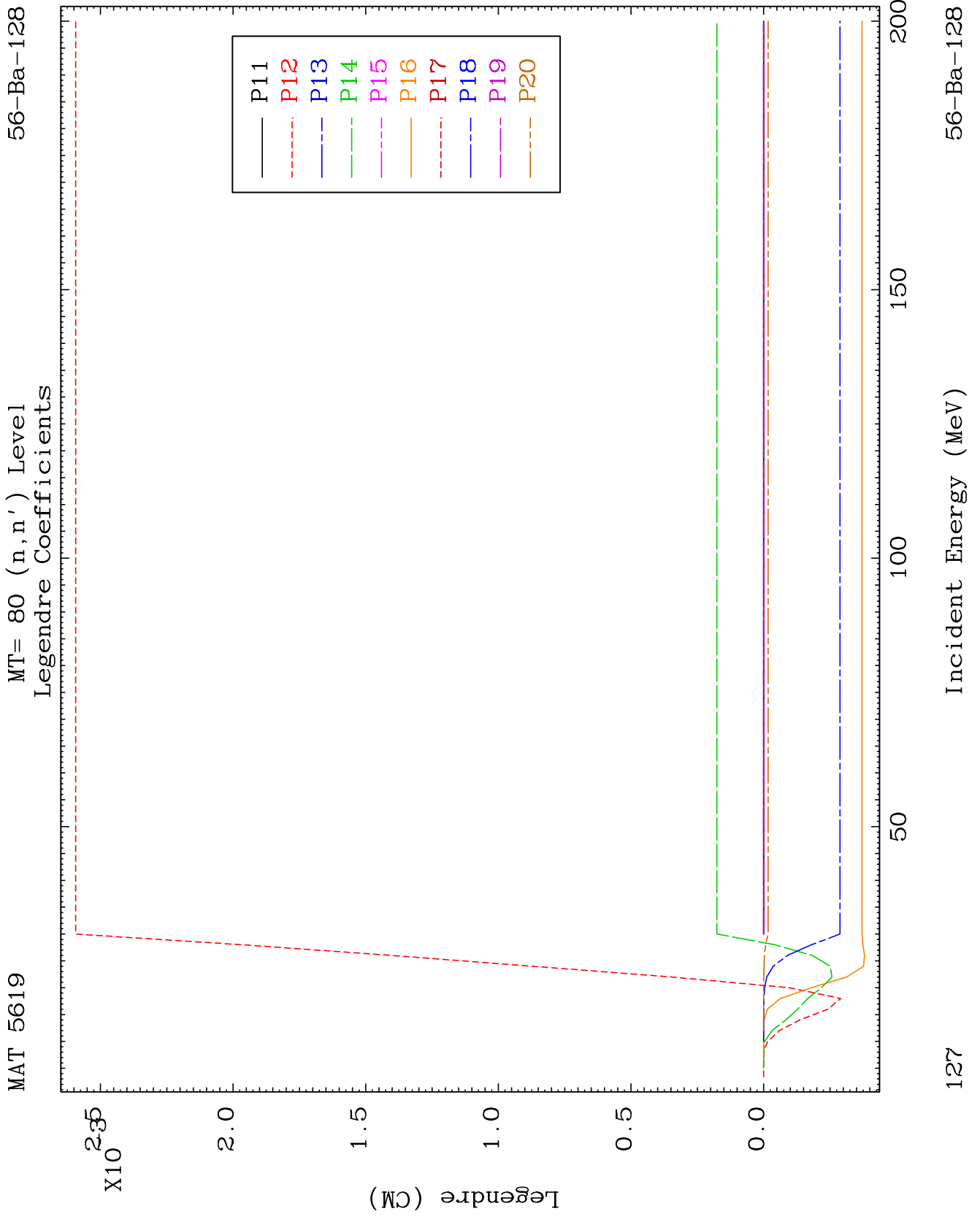
124

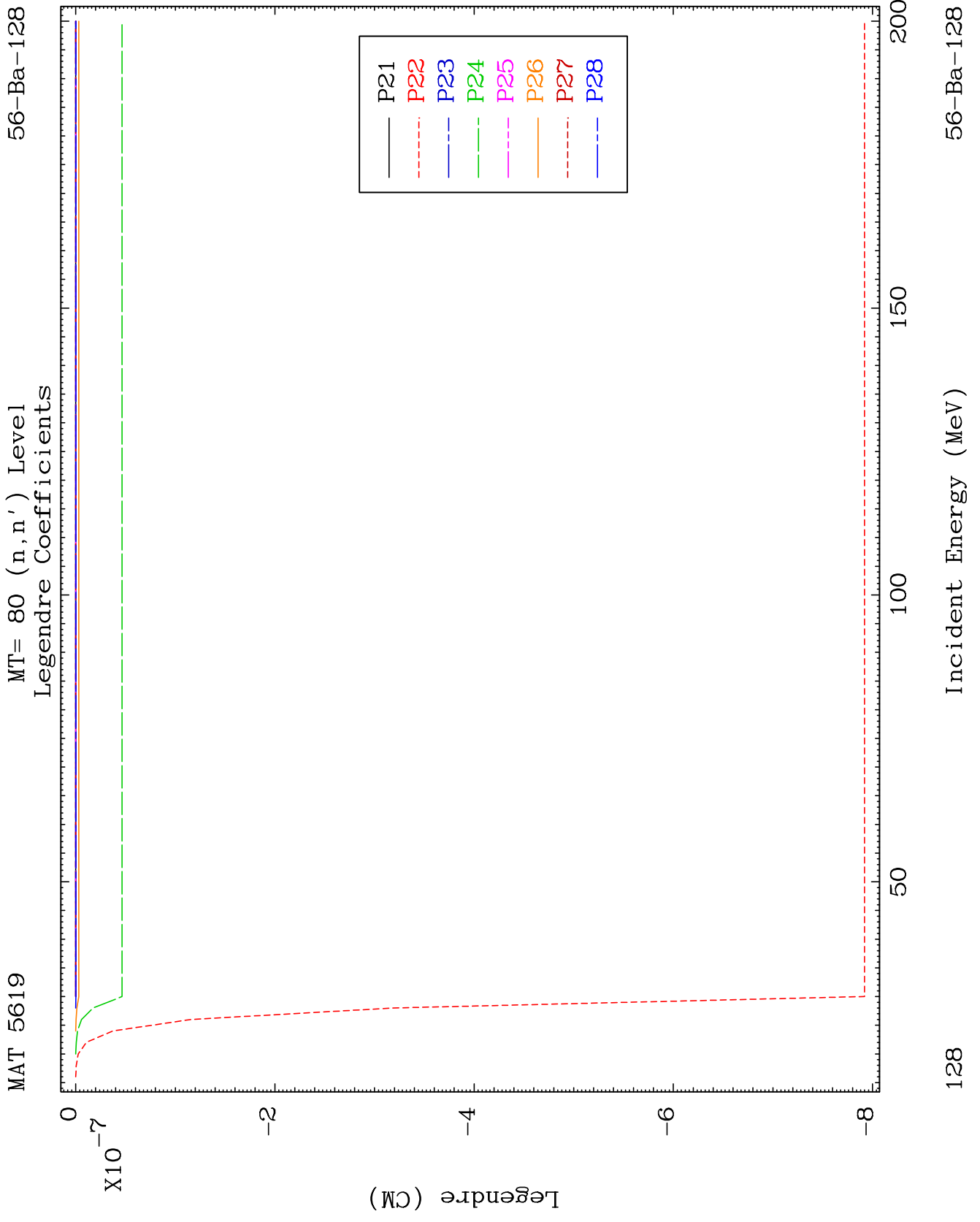
Incident Energy (MeV)

56-Ba-128





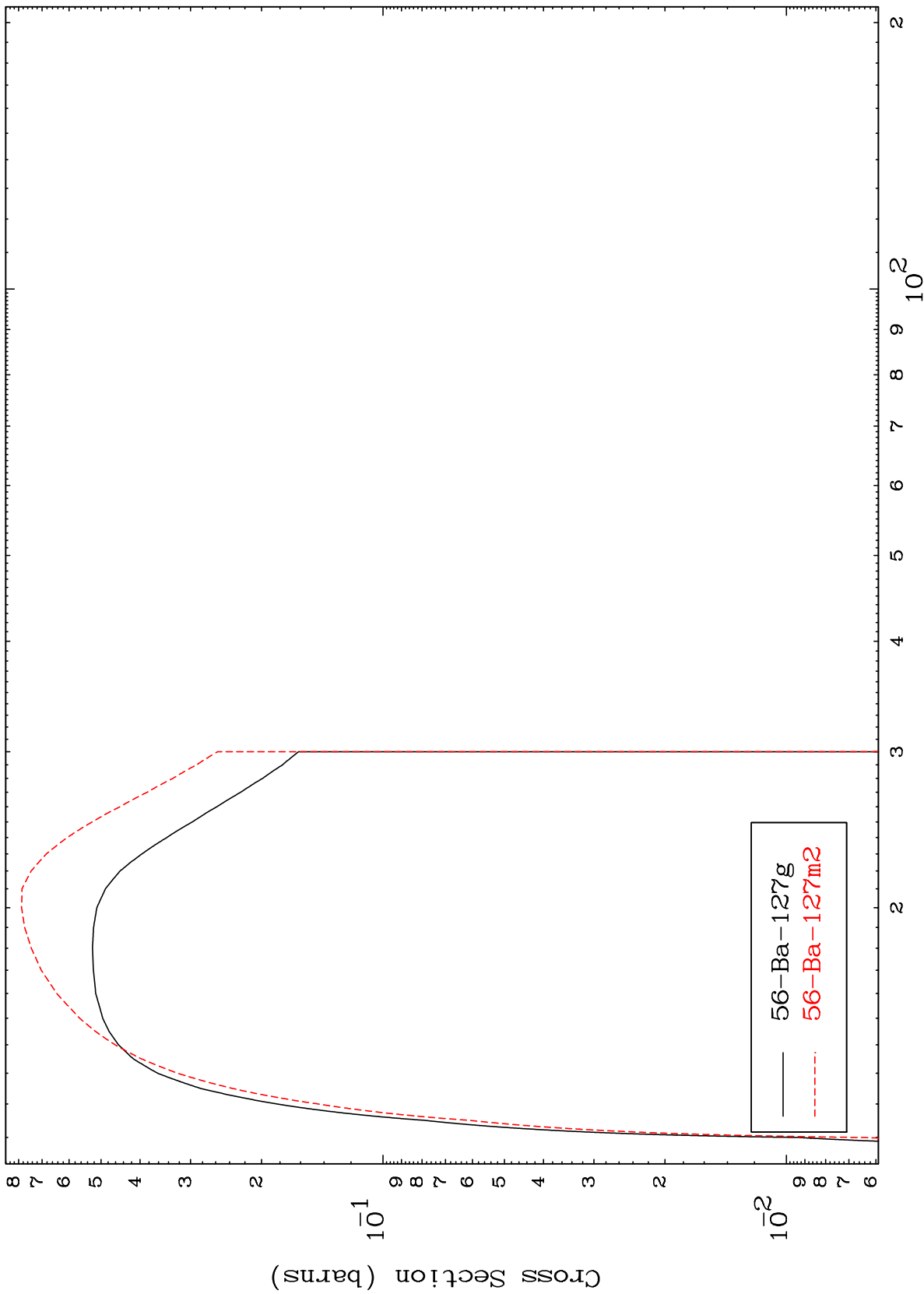




MAT 5619

56-Ba-128

(n,2n)
Radionuclide Production Cross Section



129

56-Ba-128

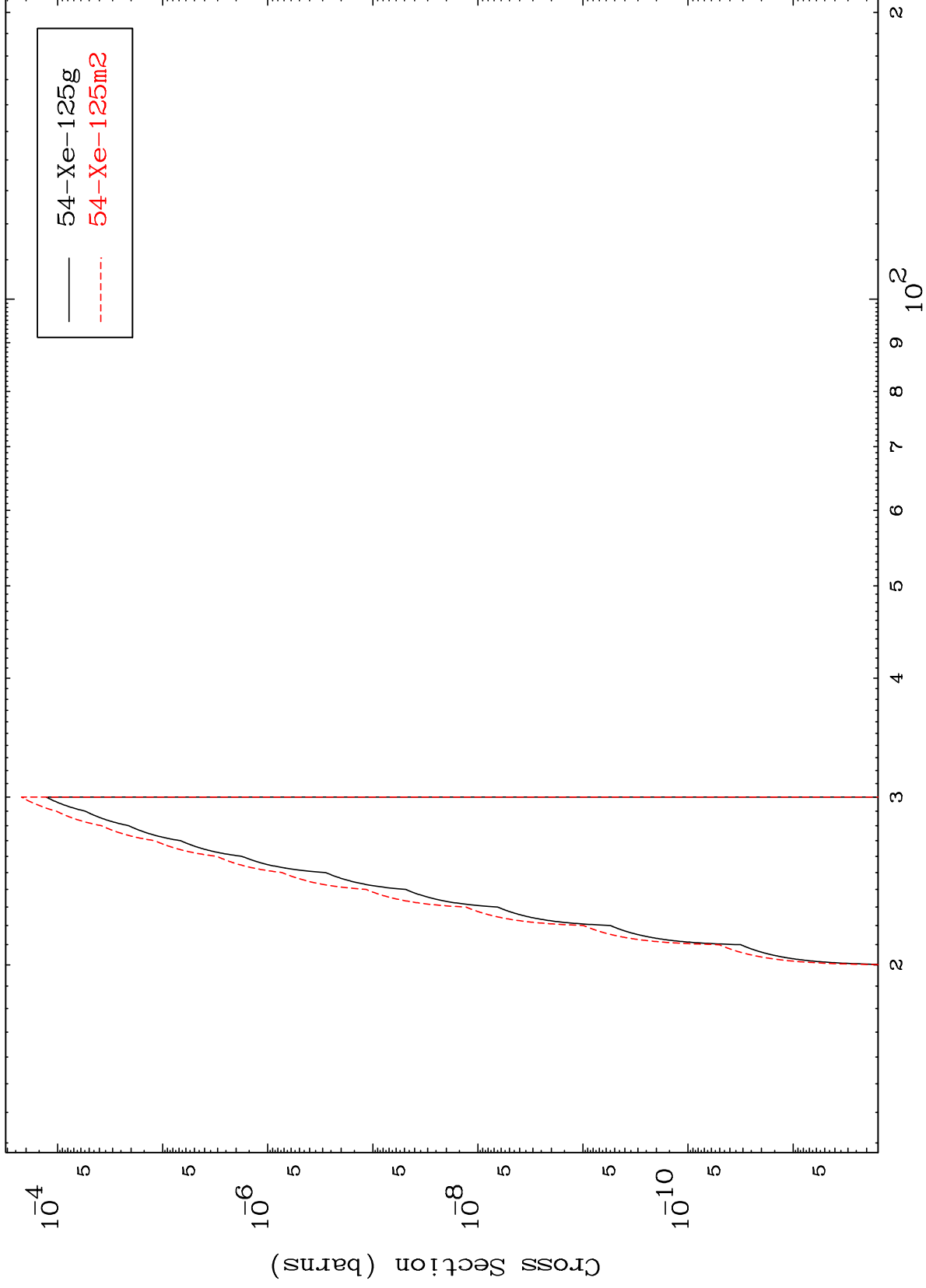
Incident Energy (MeV)

MAT 5619

(n,n') He-3

56-Ba-128

Radionuclide Production Cross Section



130

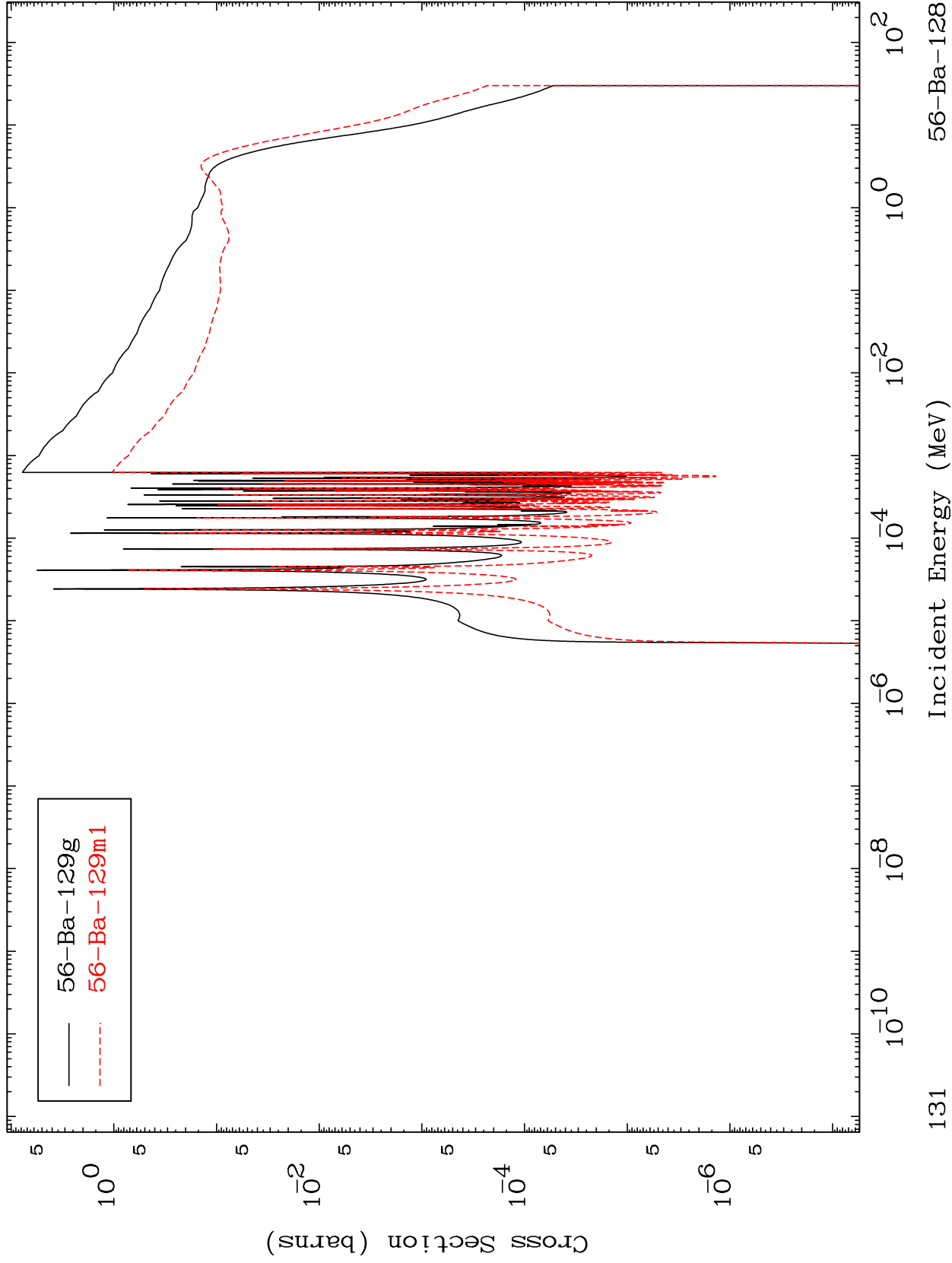
Incident Energy (MeV)

56-Ba-128

MAT 5619

56-Ba-128

(n, γ)
Radionuclide Production Cross Section



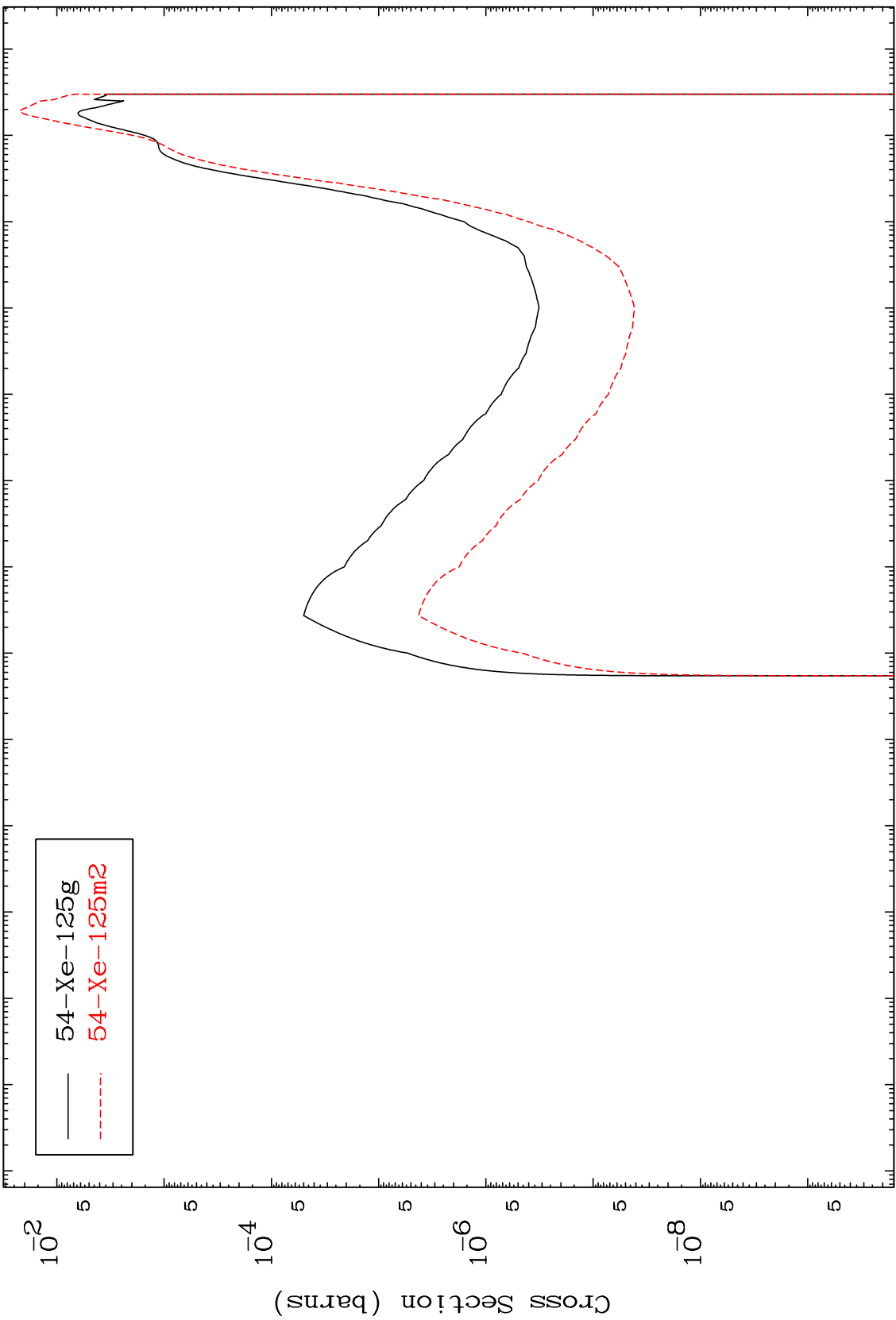
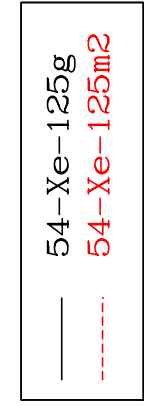
131

MAT 5619

(n, α)

56-Ba-128

Radionuclide Production Cross Section



56-Ba-128

10⁰

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

10²

Incident Energy (MeV)

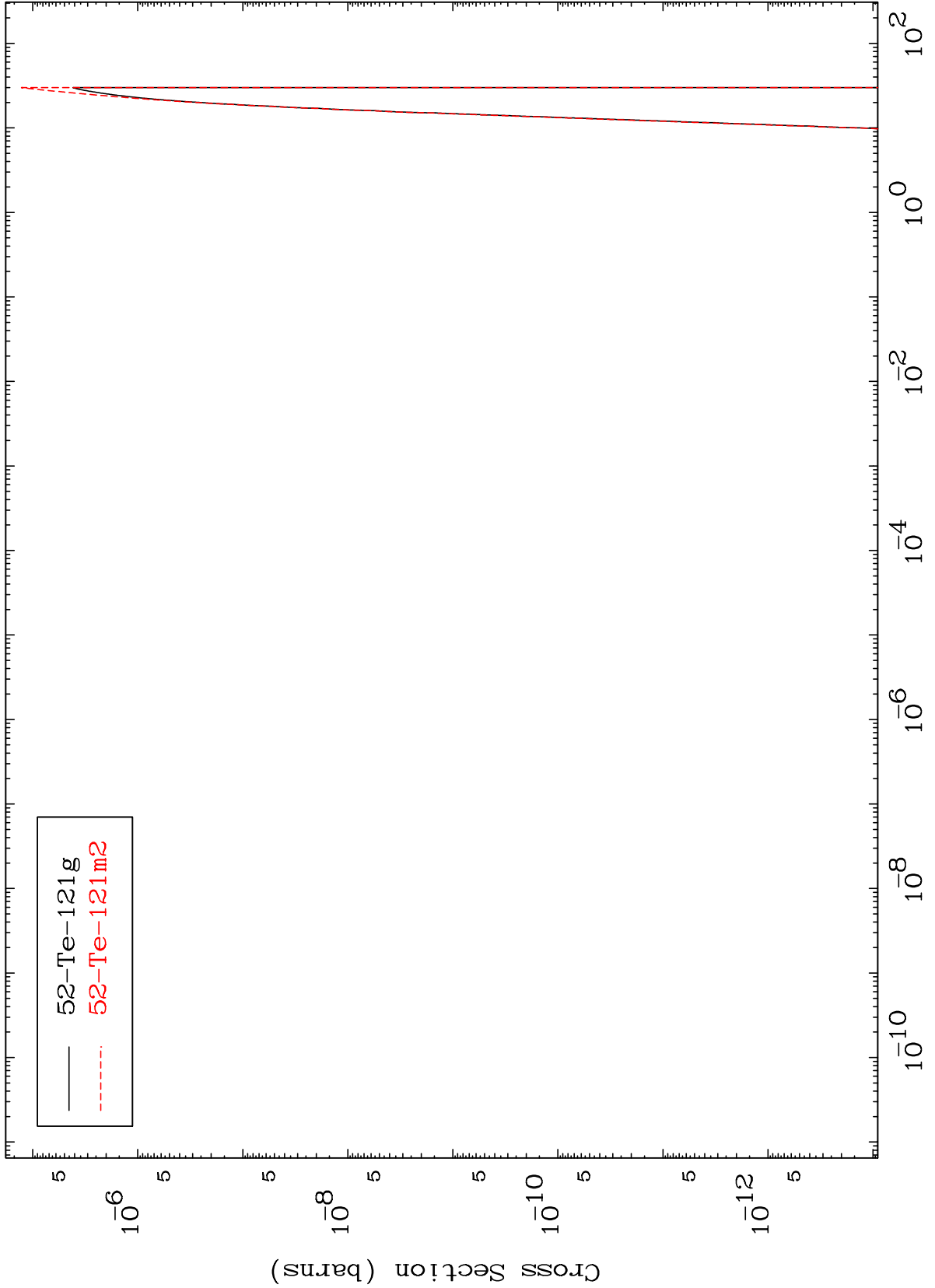
132

MAT 5619

(n,2α)

56-Ba-128

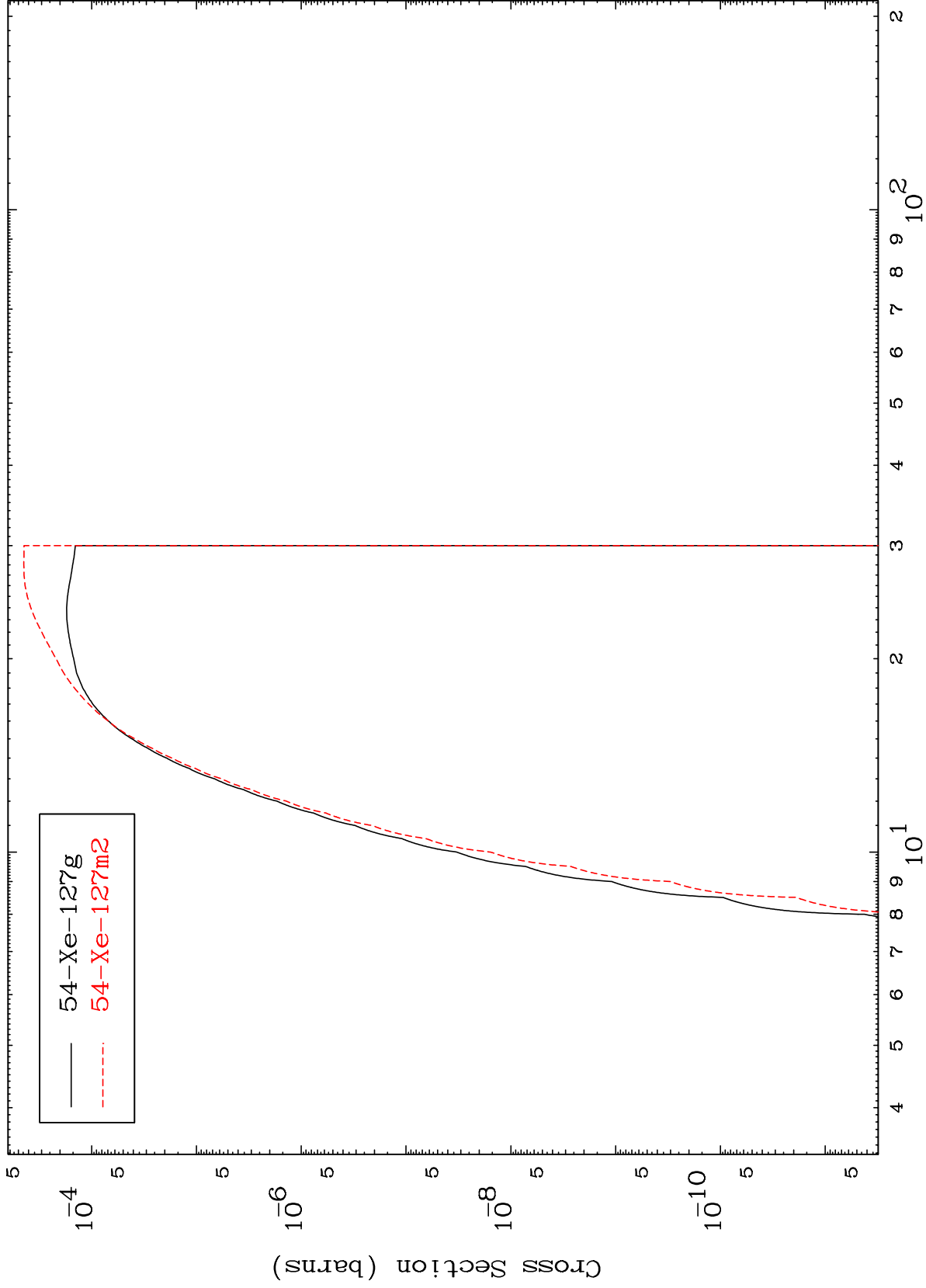
Radionuclide Production Cross Section



MAT 5619

56-Ba-128

(n,2p)
Radionuclide Production Cross Section



134

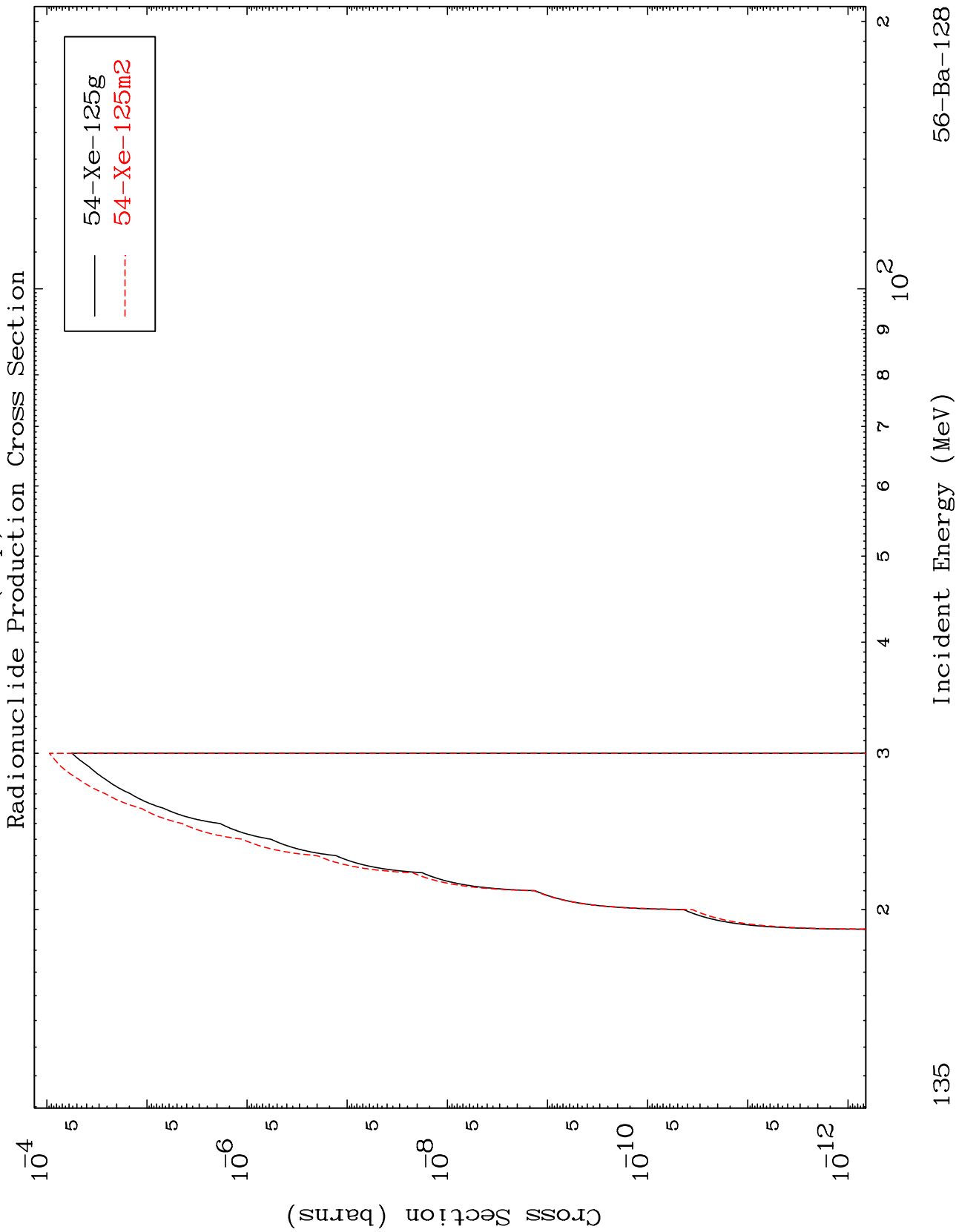
Incident Energy (MeV)

56-Ba-128

MAT 5619

(n,p) t

56-Ba-128



135

56-Ba-128