

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

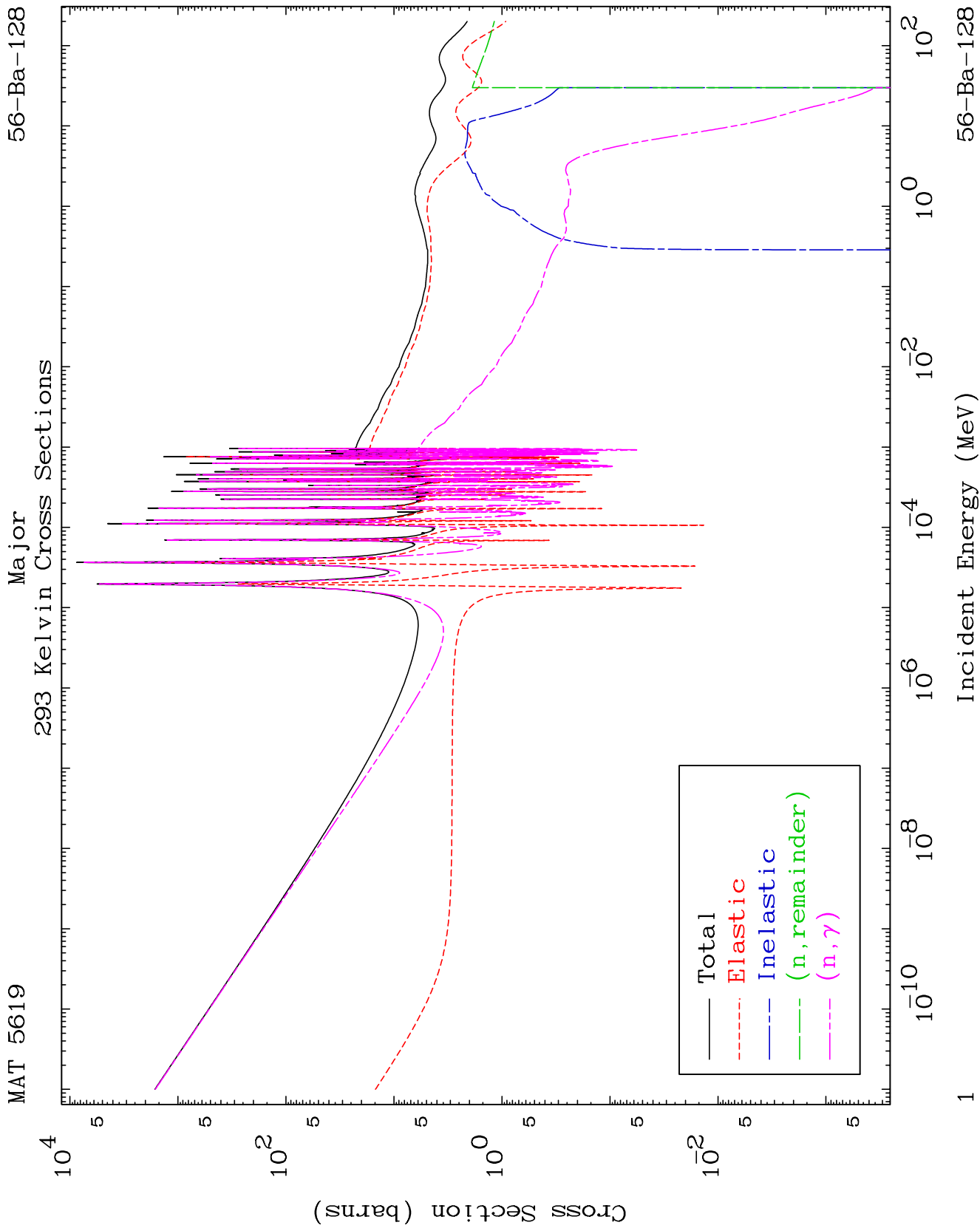
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

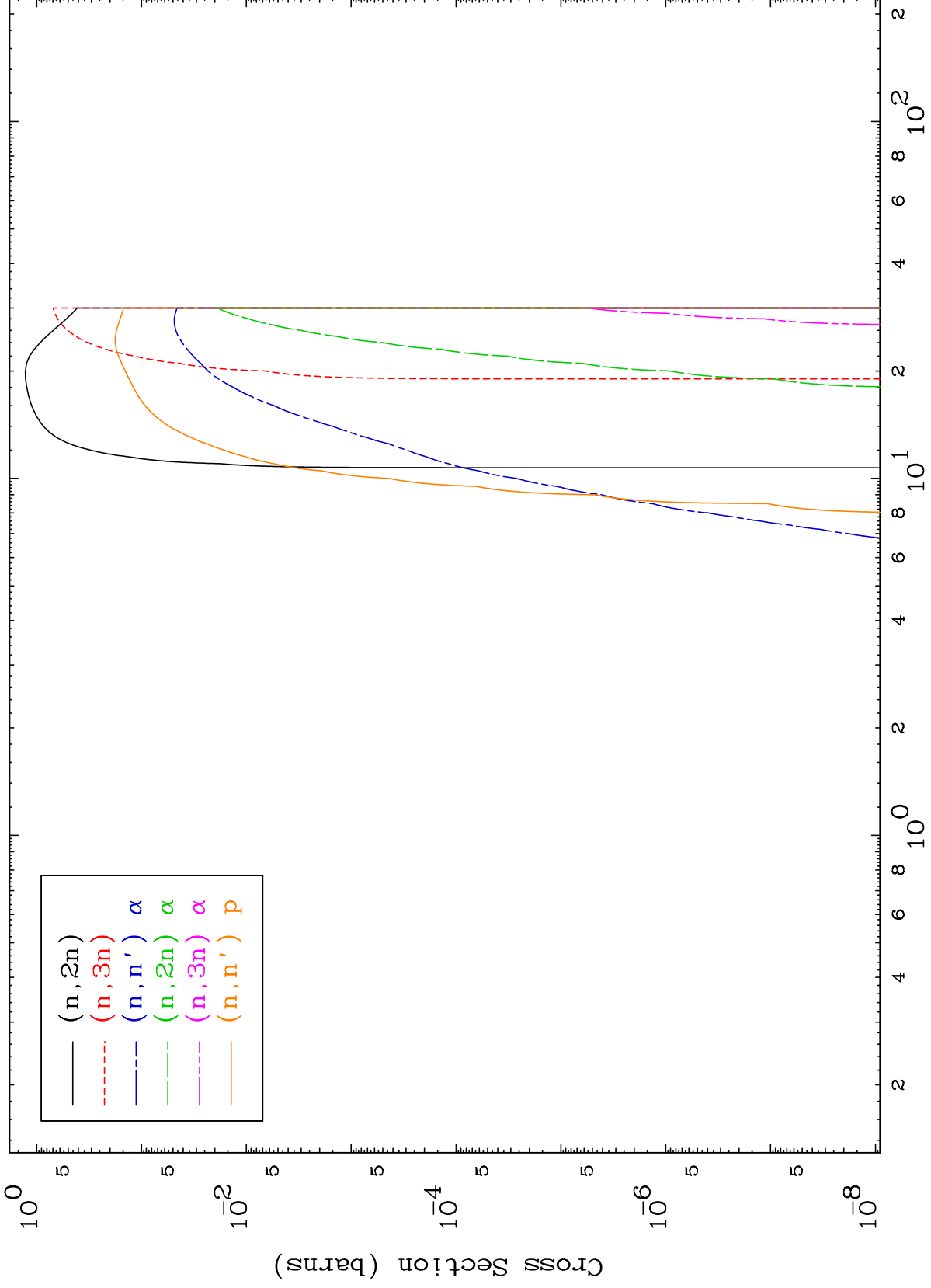
Press Mouse Button to Start



MAT 5619

Neutron Production
293 Kelvin Cross Sections

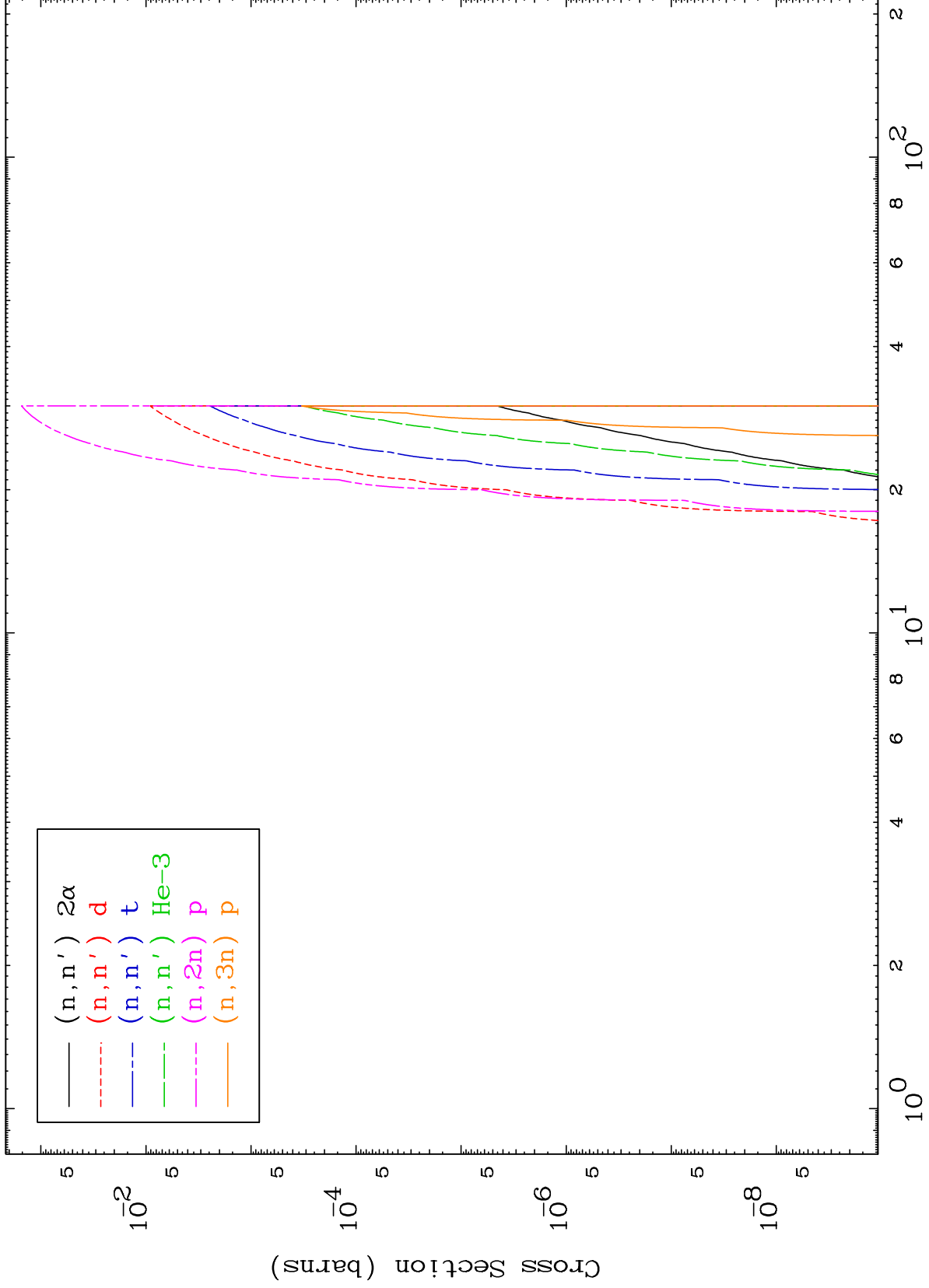
56-Ba-128



MAT 5619

Neutron Production
293 Kelvin Cross Sections

56-Ba-128



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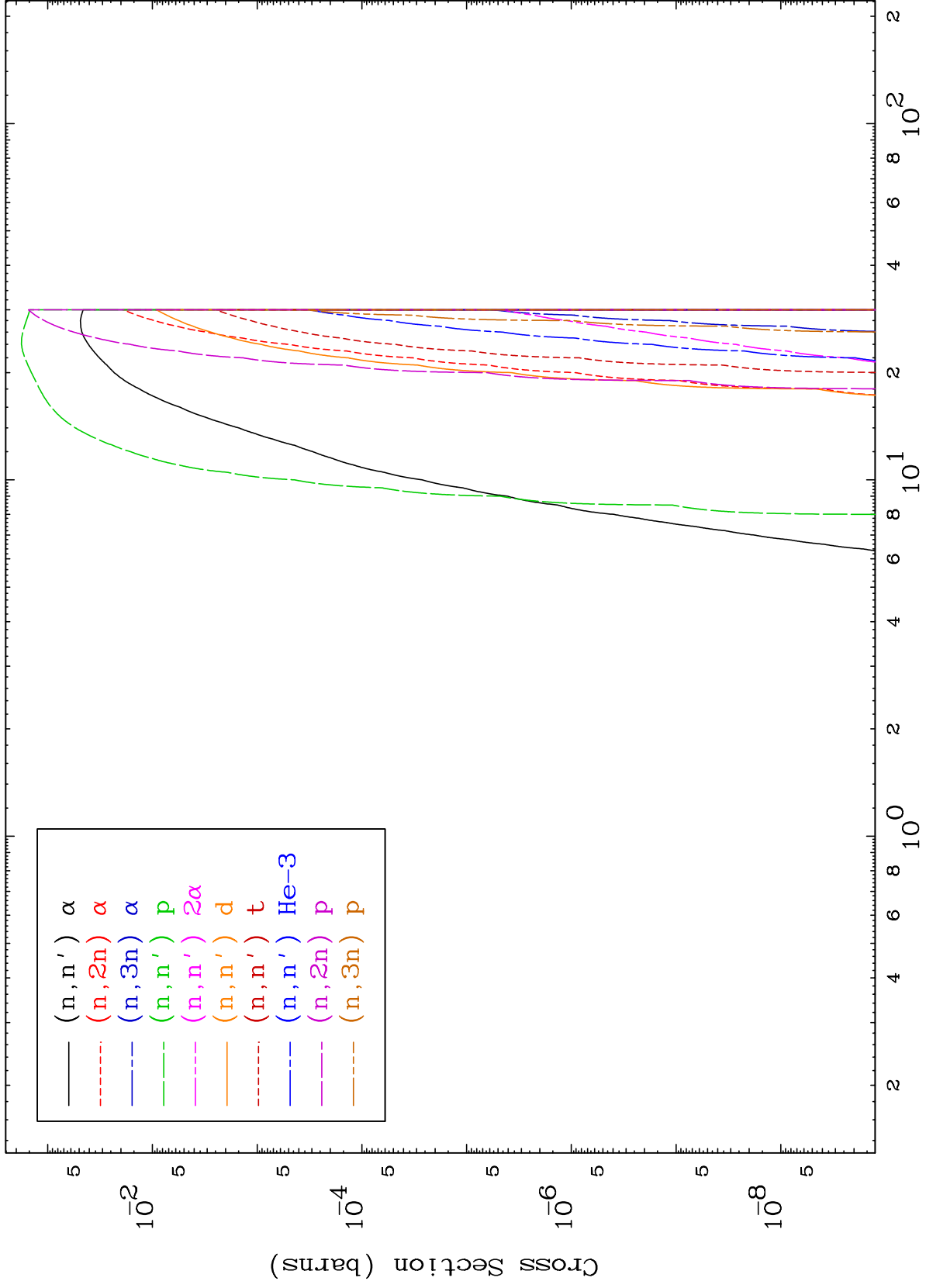
Incident Energy (MeV)

56-Ba-128

MAT 5619

Charged Particle
293 Kelvin Cross Sections

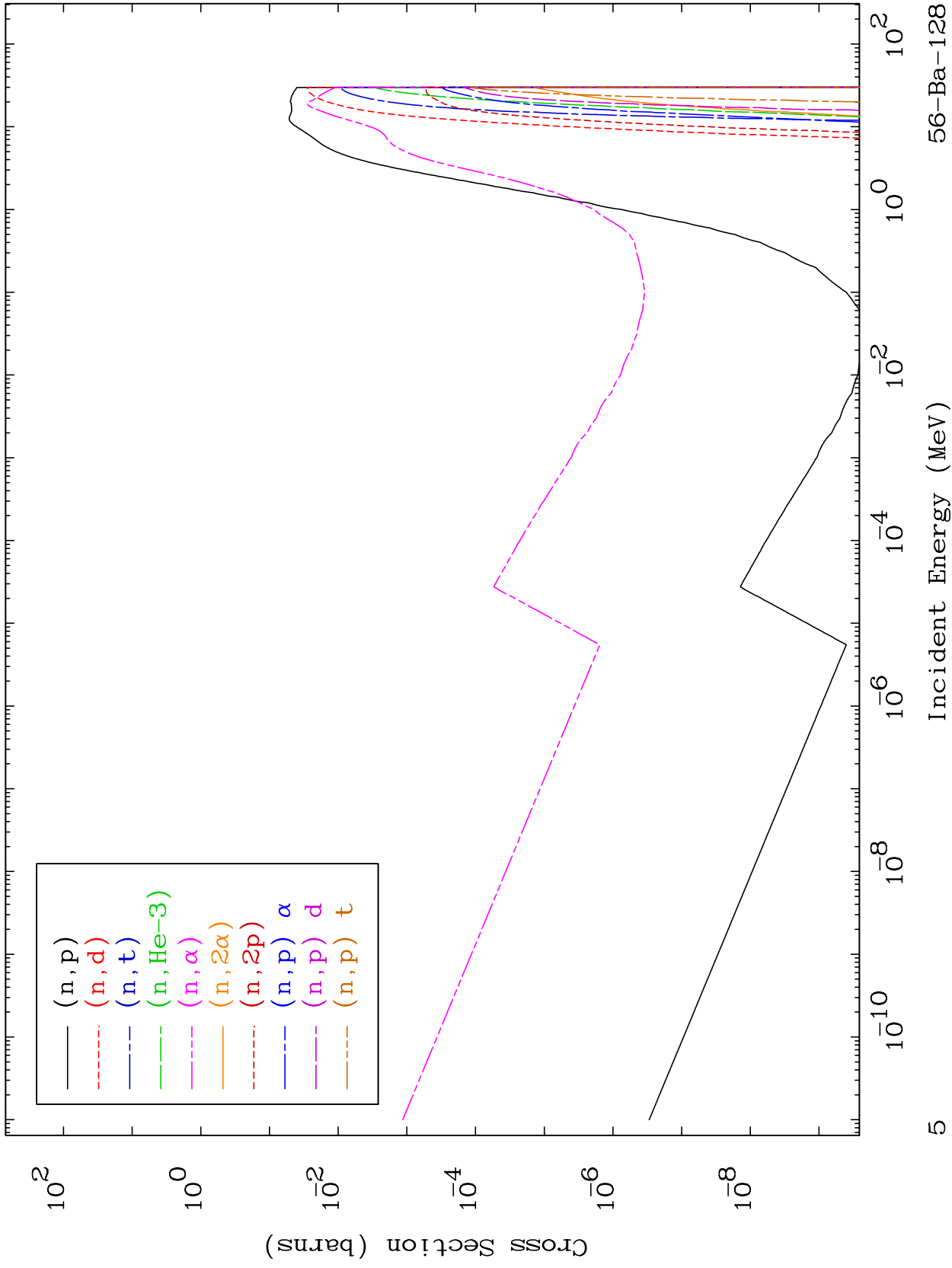
56-Ba-128



MAT 5619

Charged Particle
293 Kelvin Cross Sections

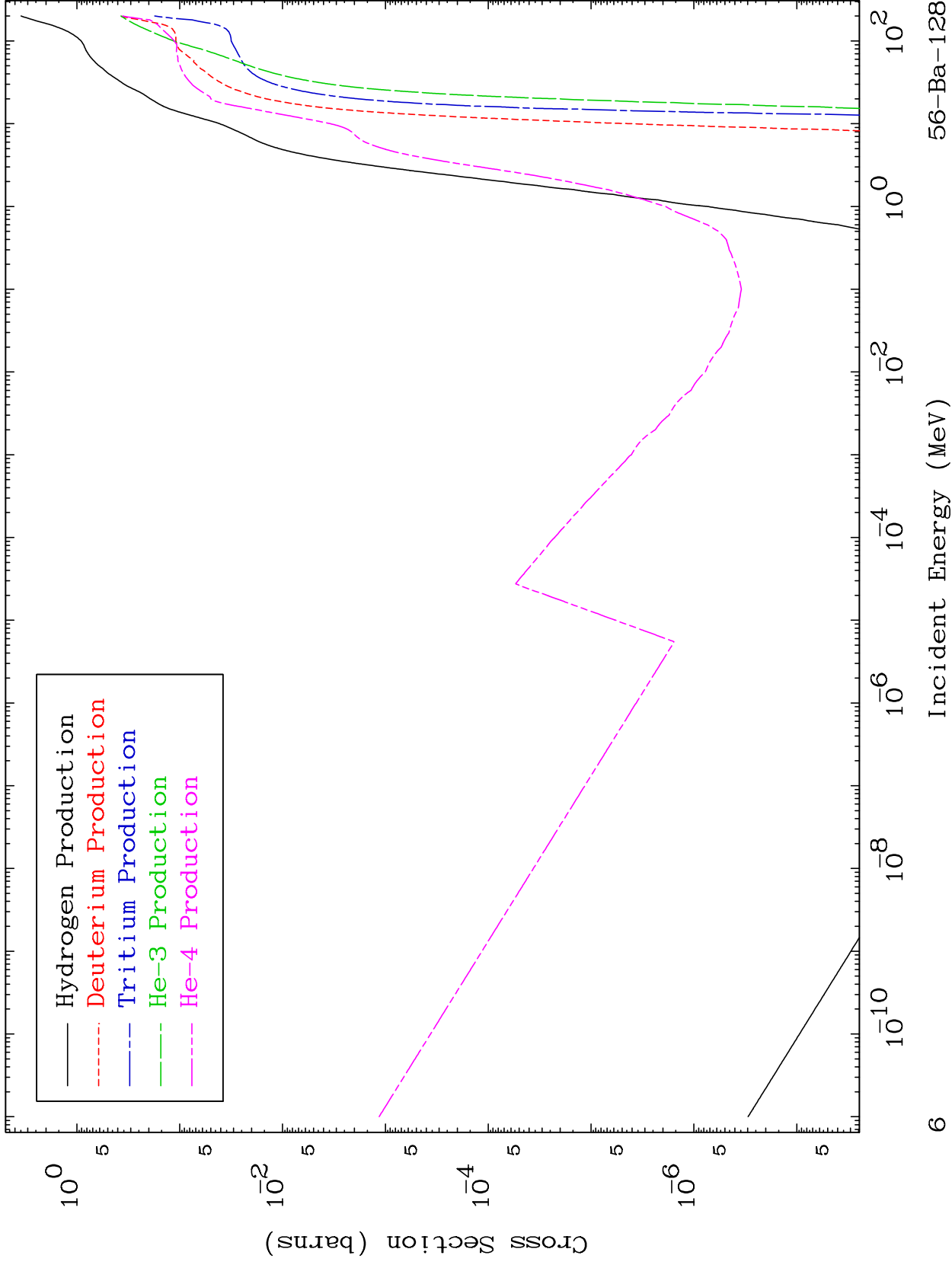
56-Ba-128



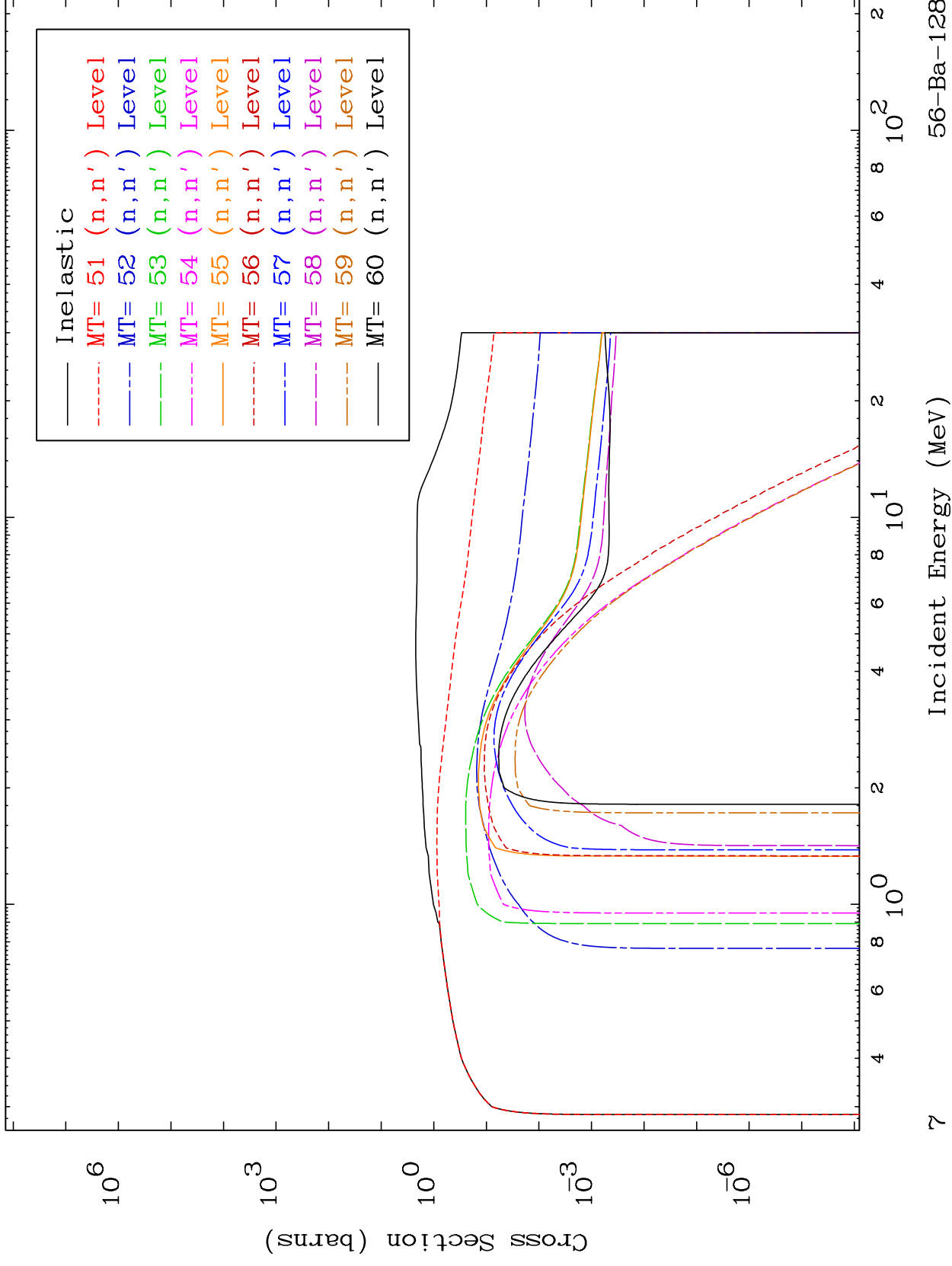
MAT 5619

Particle Production
293 Kelvin Cross Sections

56-Ba-128



293 Kelvin Cross Sections

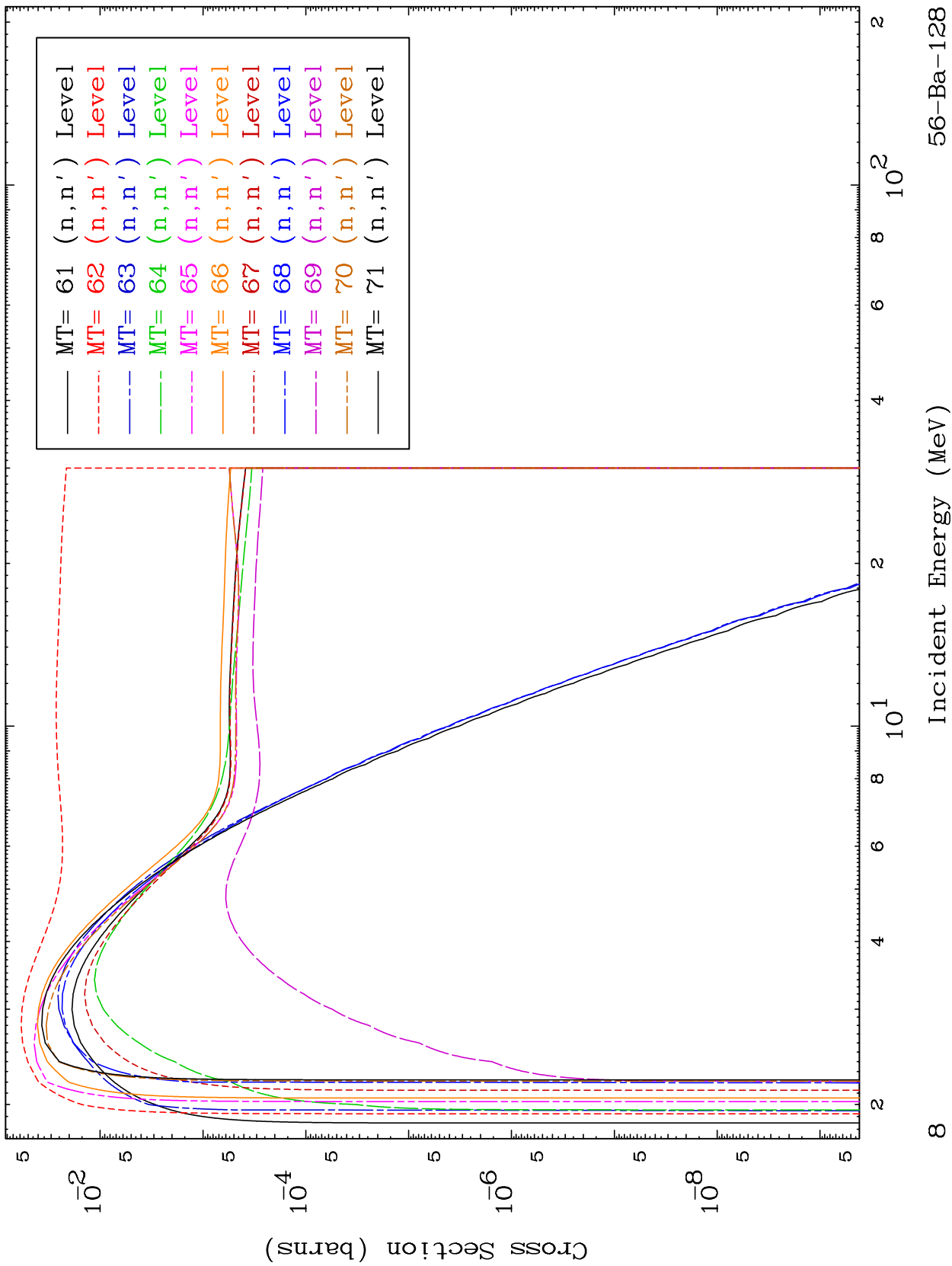


MAT 5619

(n,n') Level

56-Ba-128

293 Kelvin Cross Sections

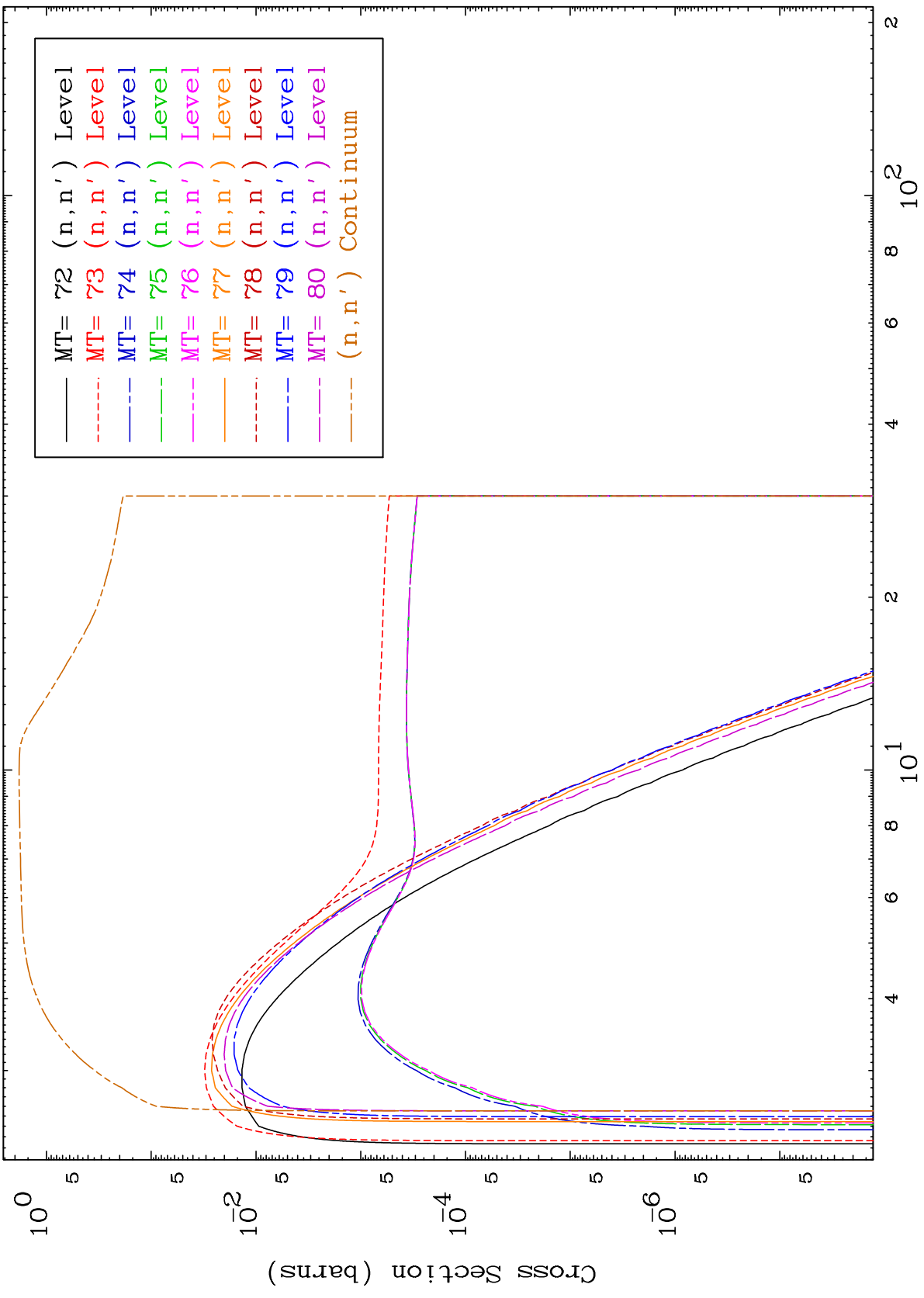


56-Ba-128

Incident Energy (MeV)

8

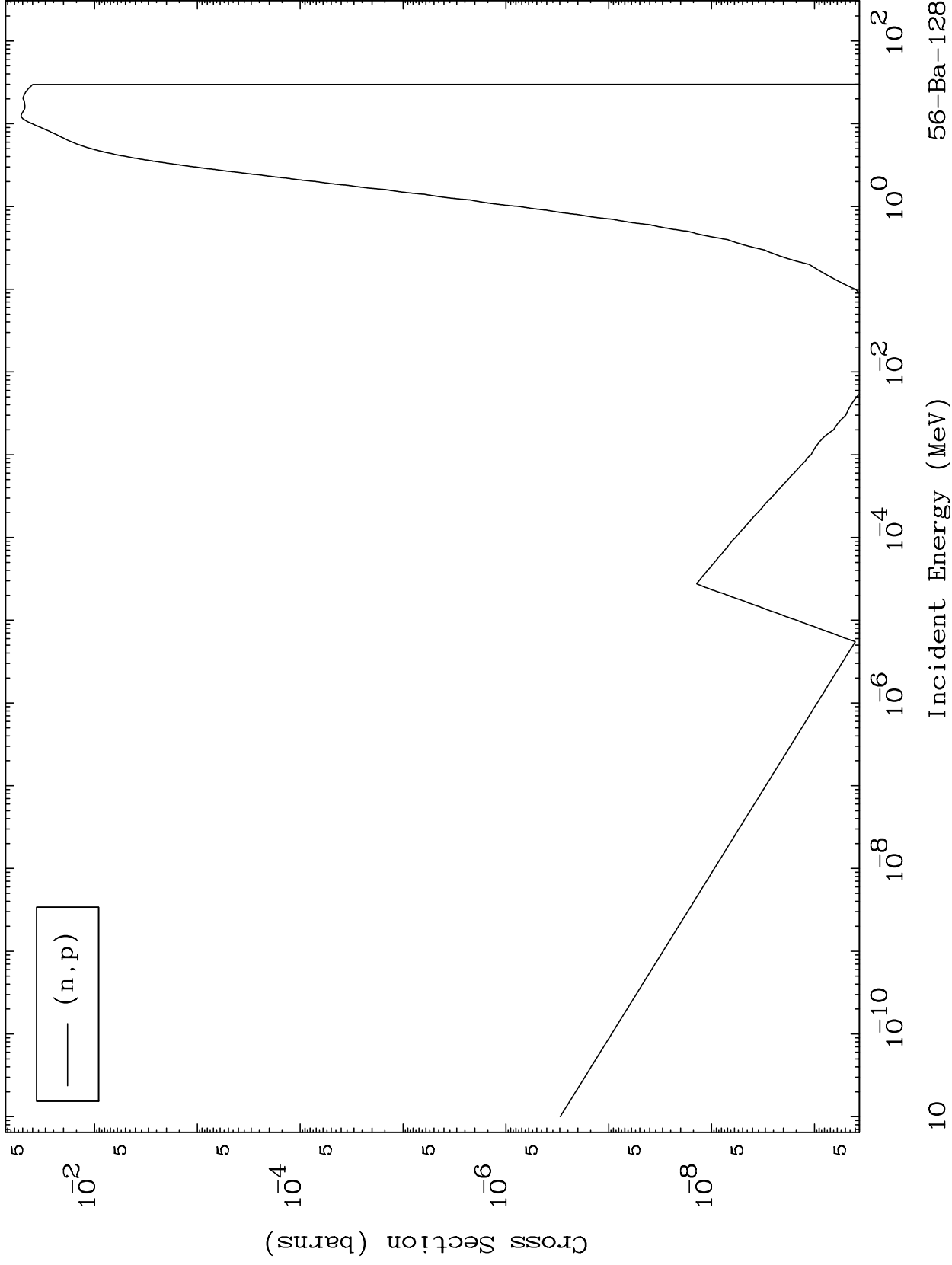
293 Kelvin Cross Sections



MAT 5619

(n,p) Levels
293 Kelvin Cross Sections

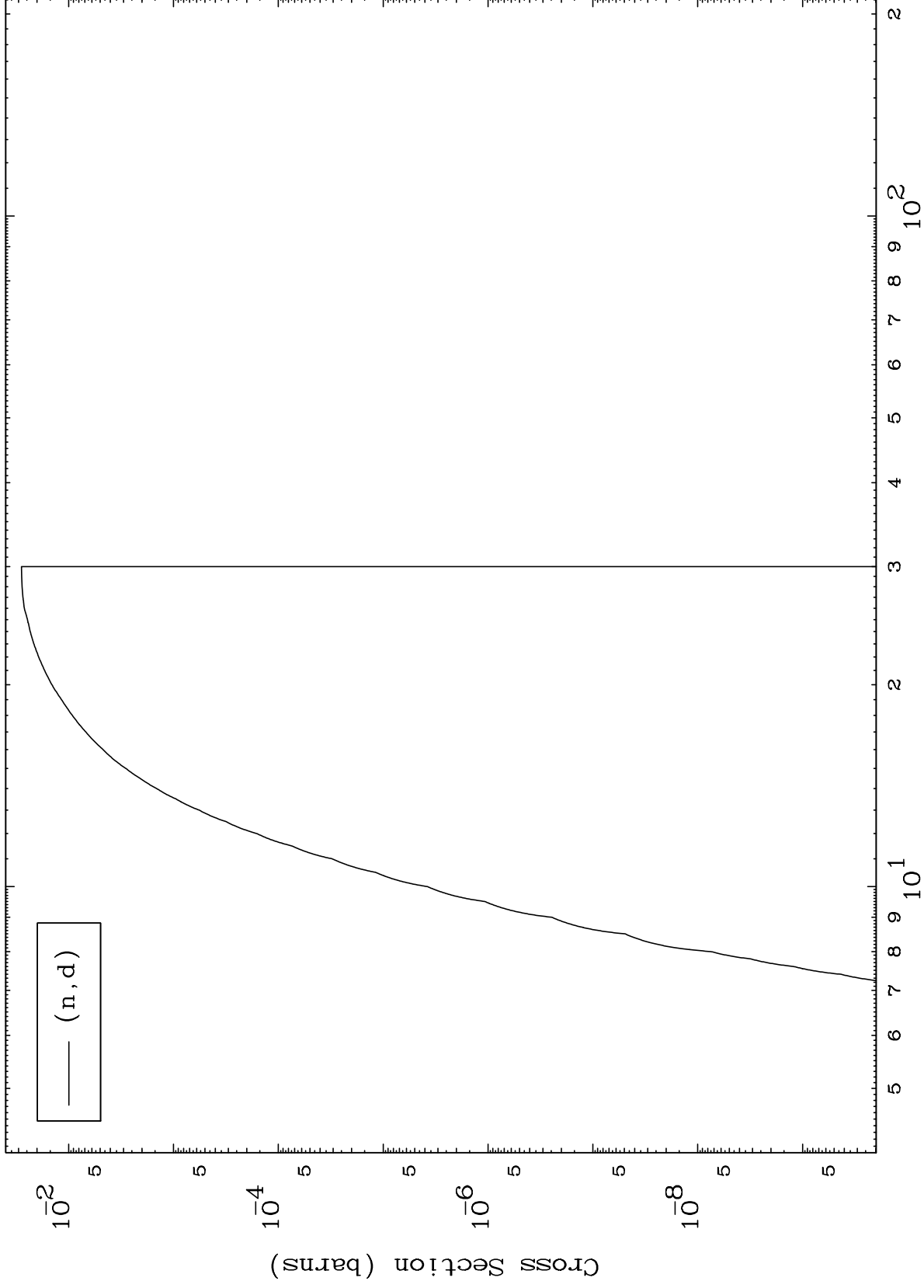
56-Ba-128



MAT 5619

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-128



11

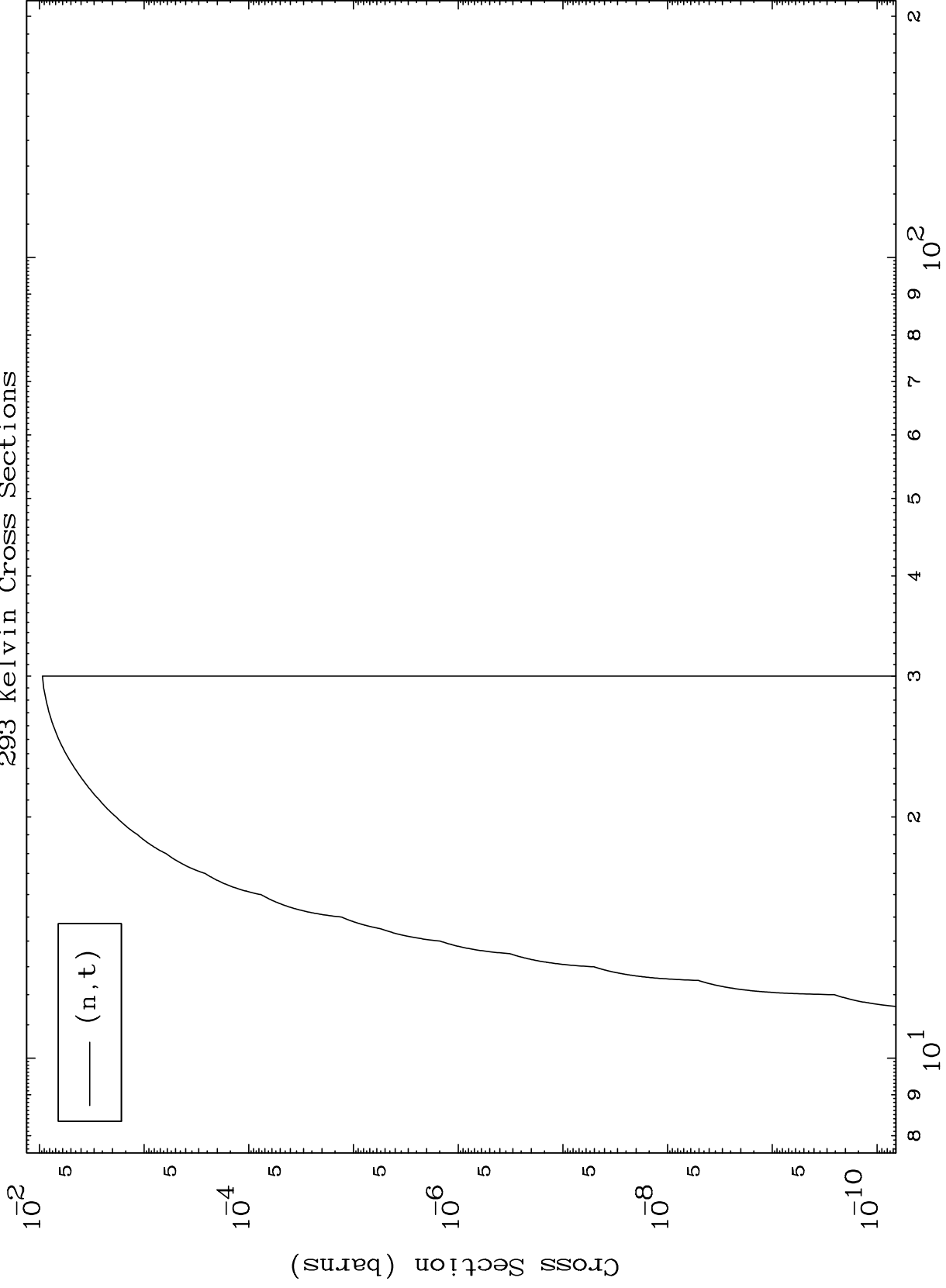
Incident Energy (MeV)

56-Ba-128

MAT 5619

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-128



12

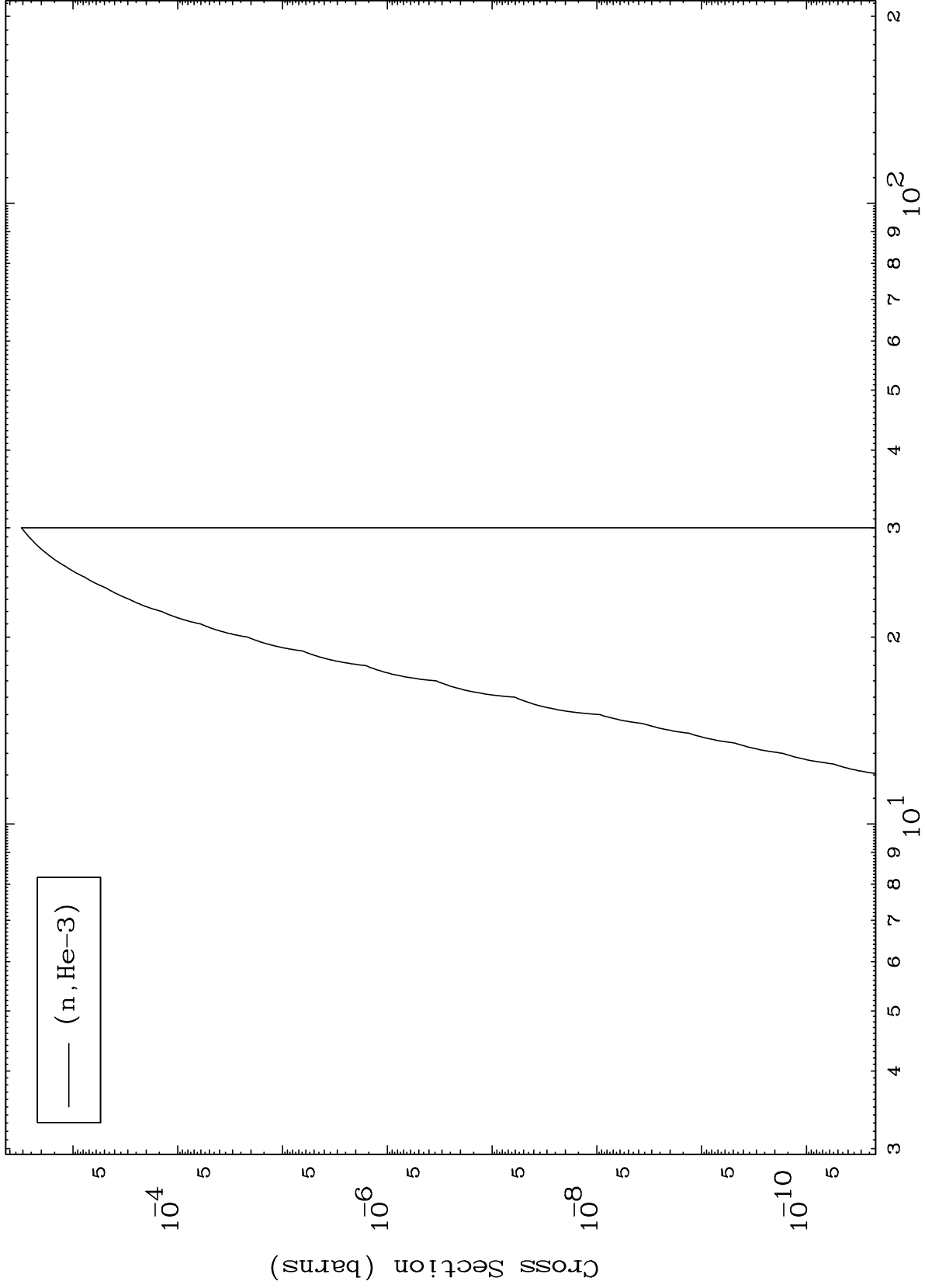
Incident Energy (MeV)

56-Ba-128

MAT 5619

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-128



13

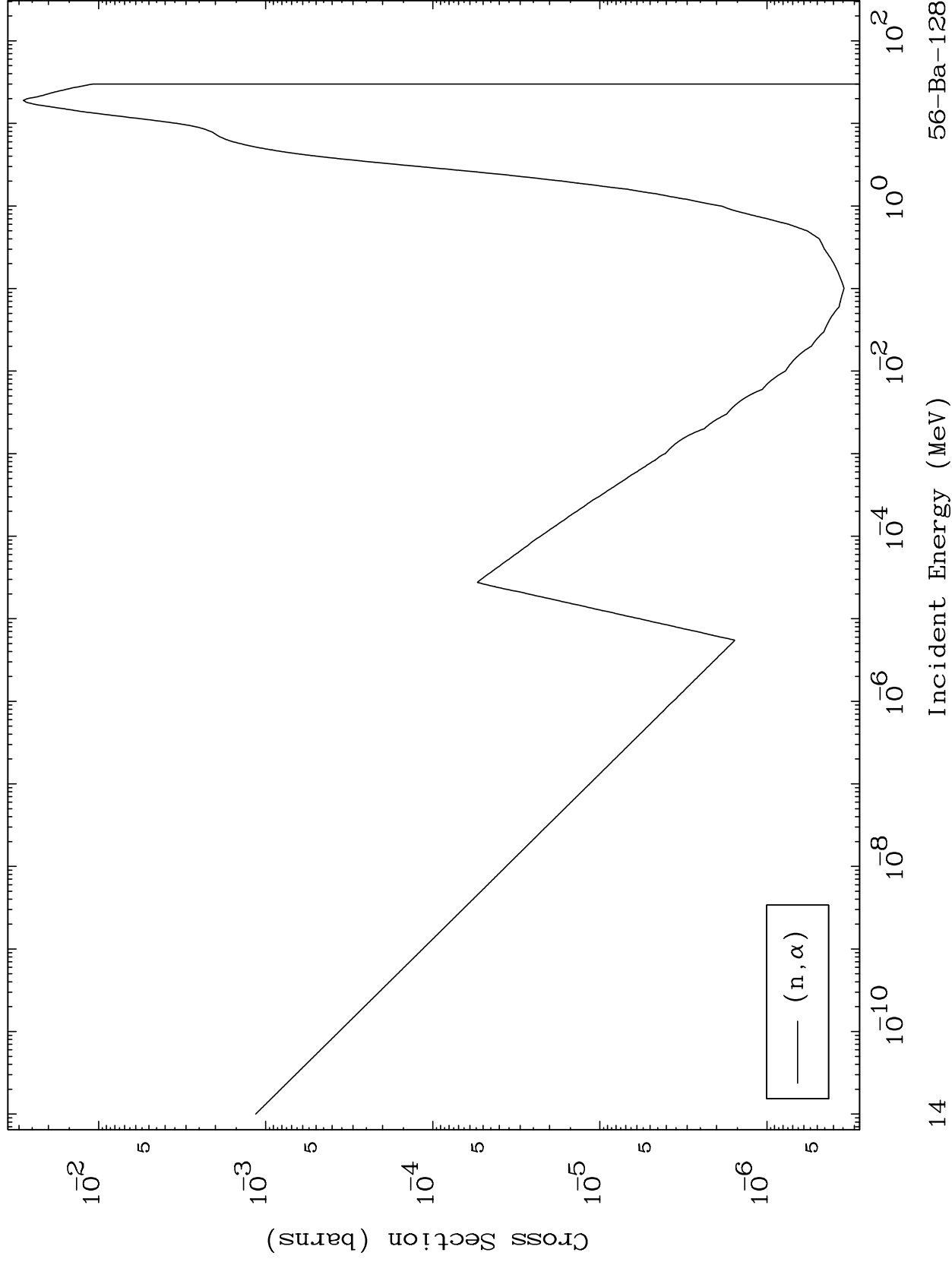
Incident Energy (MeV)

56-Ba-128

MAT 5619

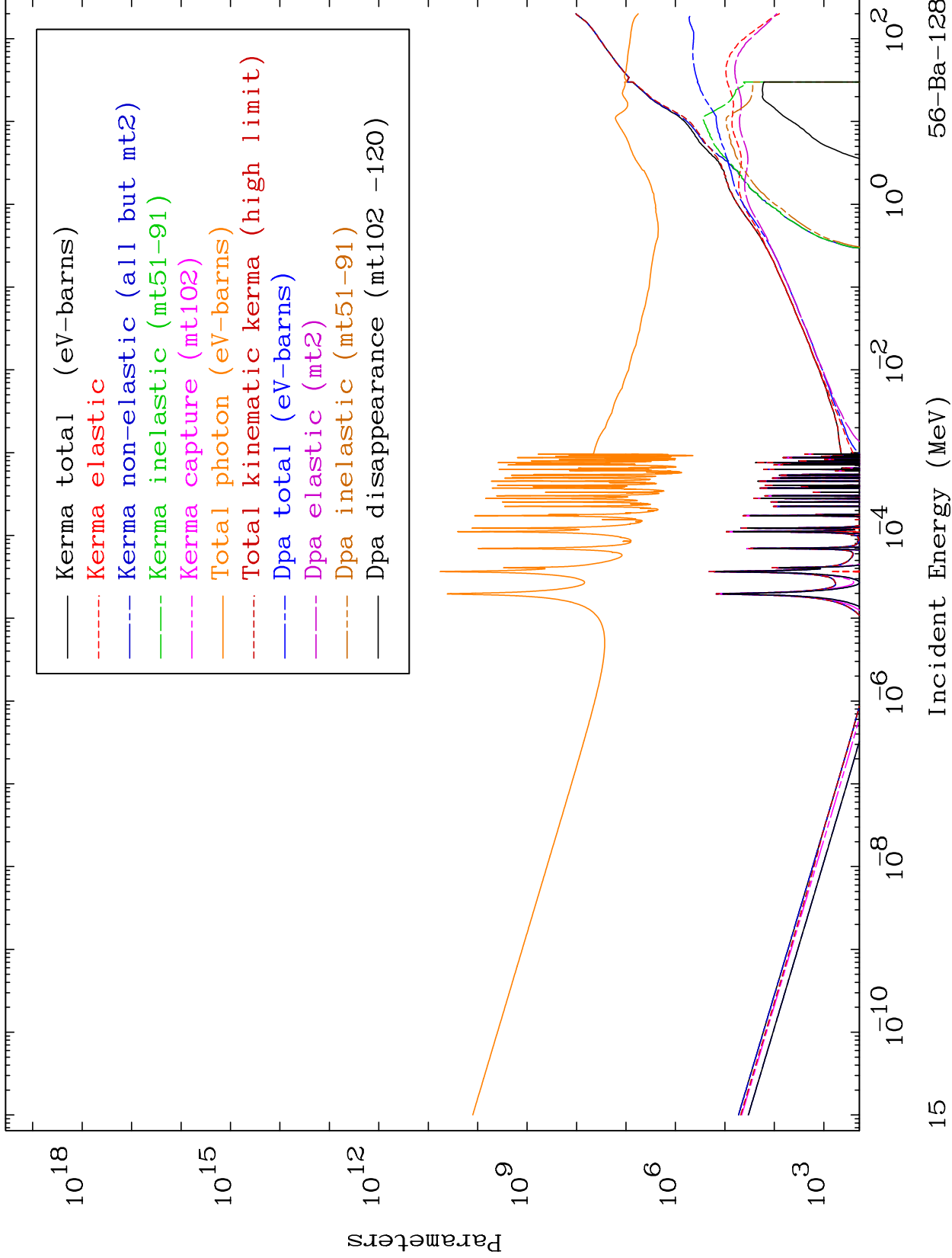
(n, α) Levels
293 Kelvin Cross Sections

56-Ba-128



14

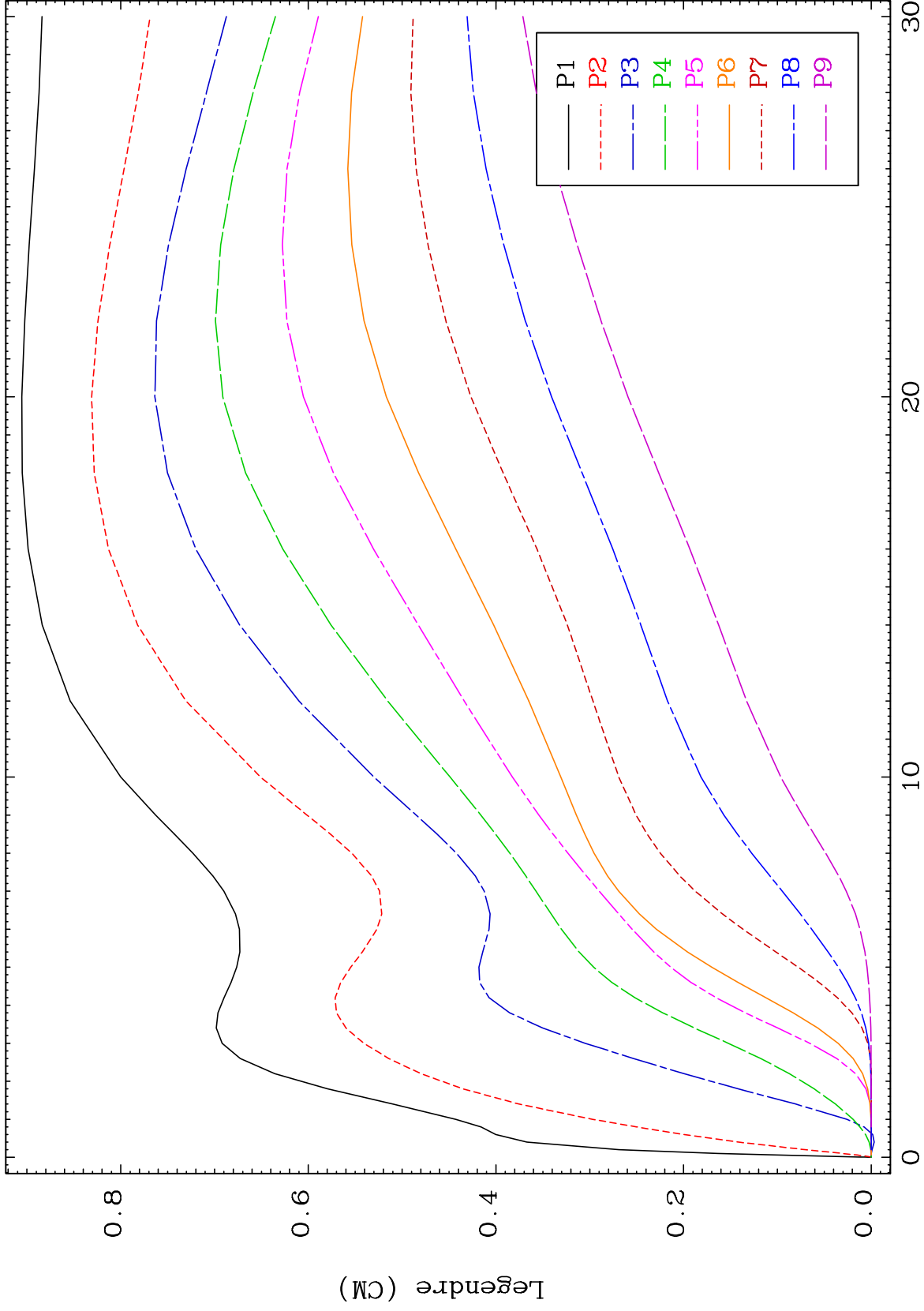
56-Ba-128



MAT 5619

Elastic Legendre Coefficients

56-Ba-128



16

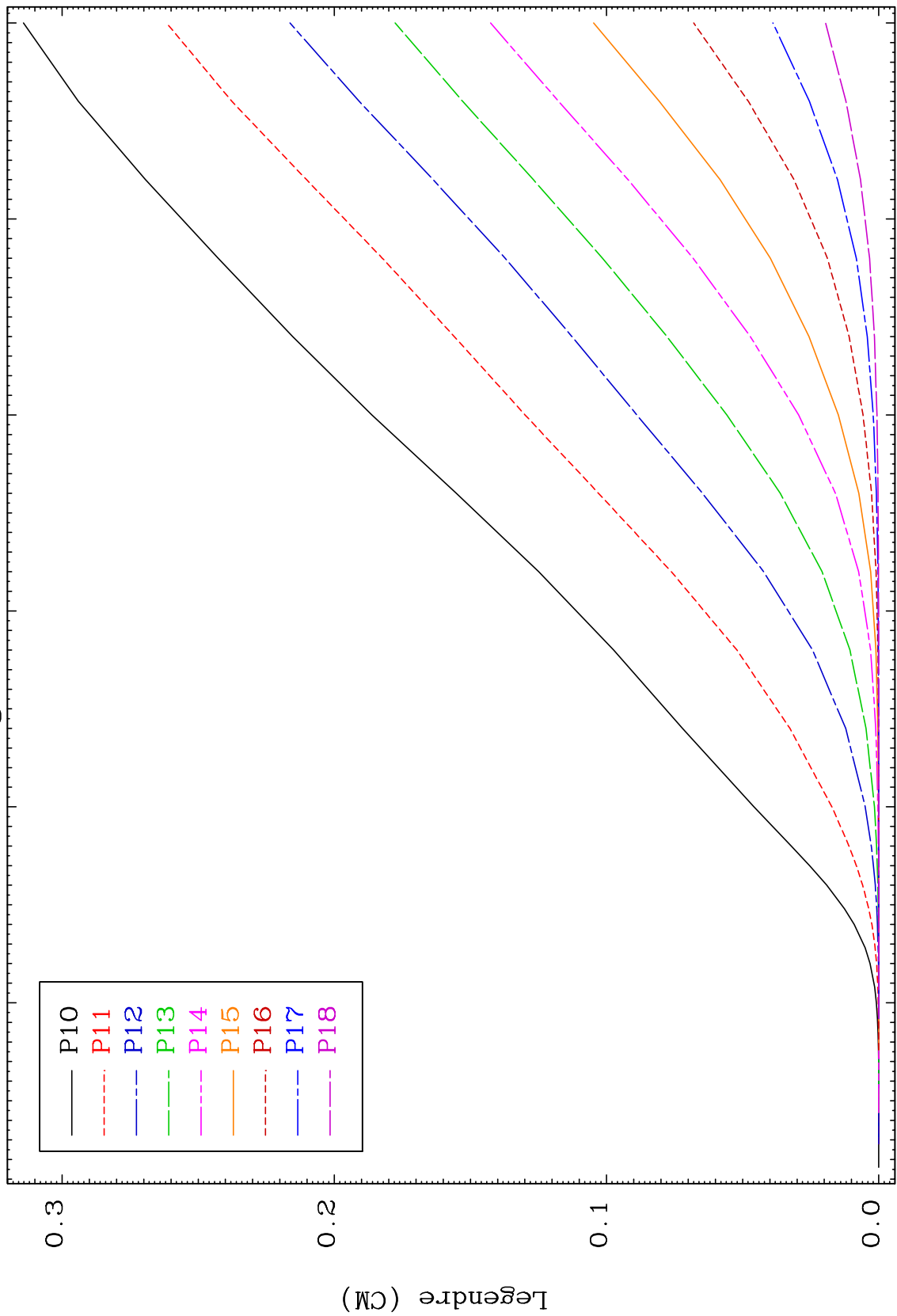
Incident Energy (MeV)

56-Ba-128

MAT 5619

Elastic Legendre Coefficients

56-Ba-128



17

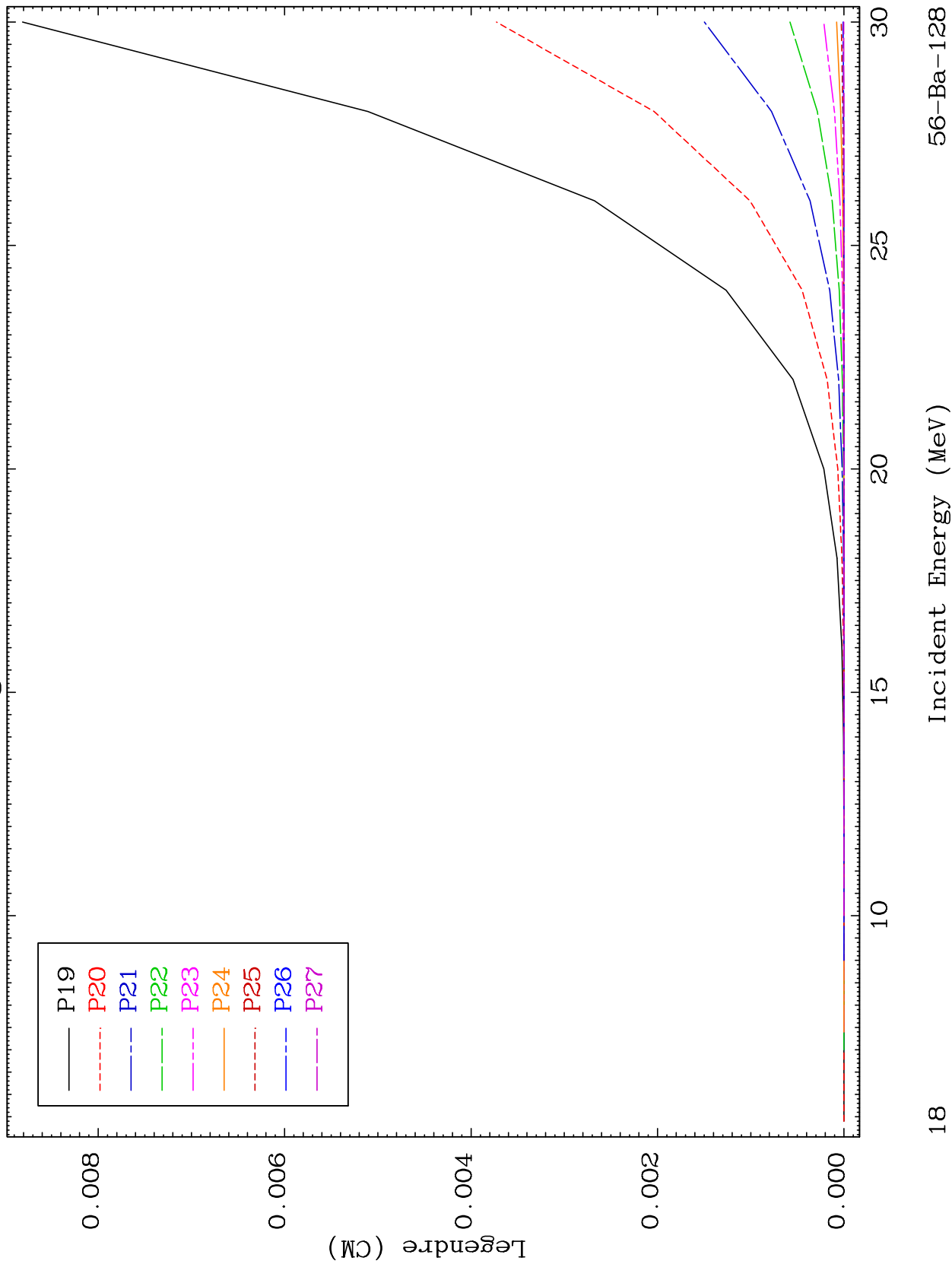
56-Ba-128

Incident Energy (MeV)

MAT 5619

Elastic Legendre Coefficients

56-Ba-128



18

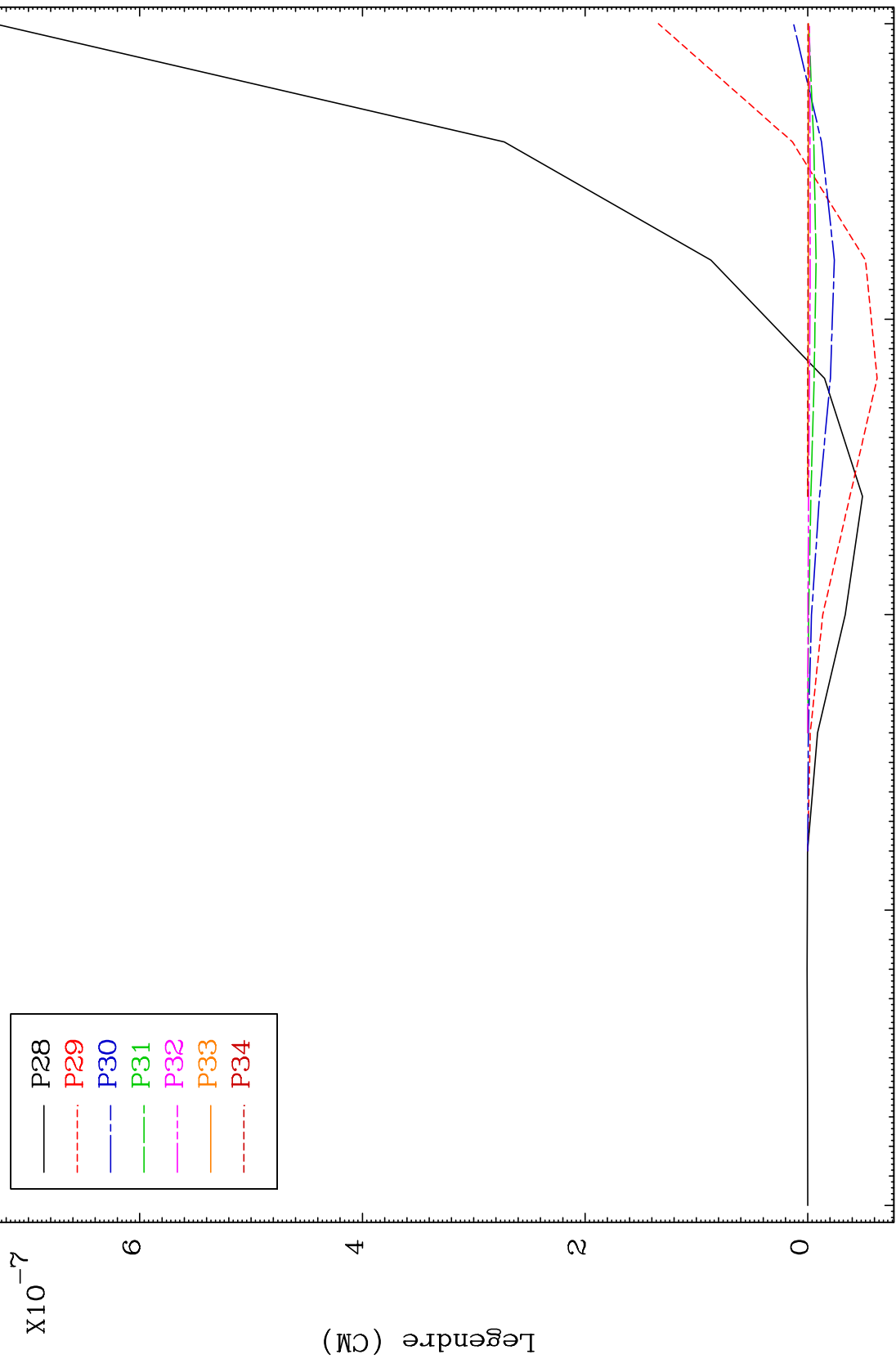
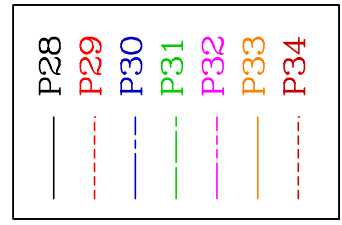
Incident Energy (MeV)

56-Ba-128

MAT 5619

Elastic Legendre Coefficients

56-Ba-128



19

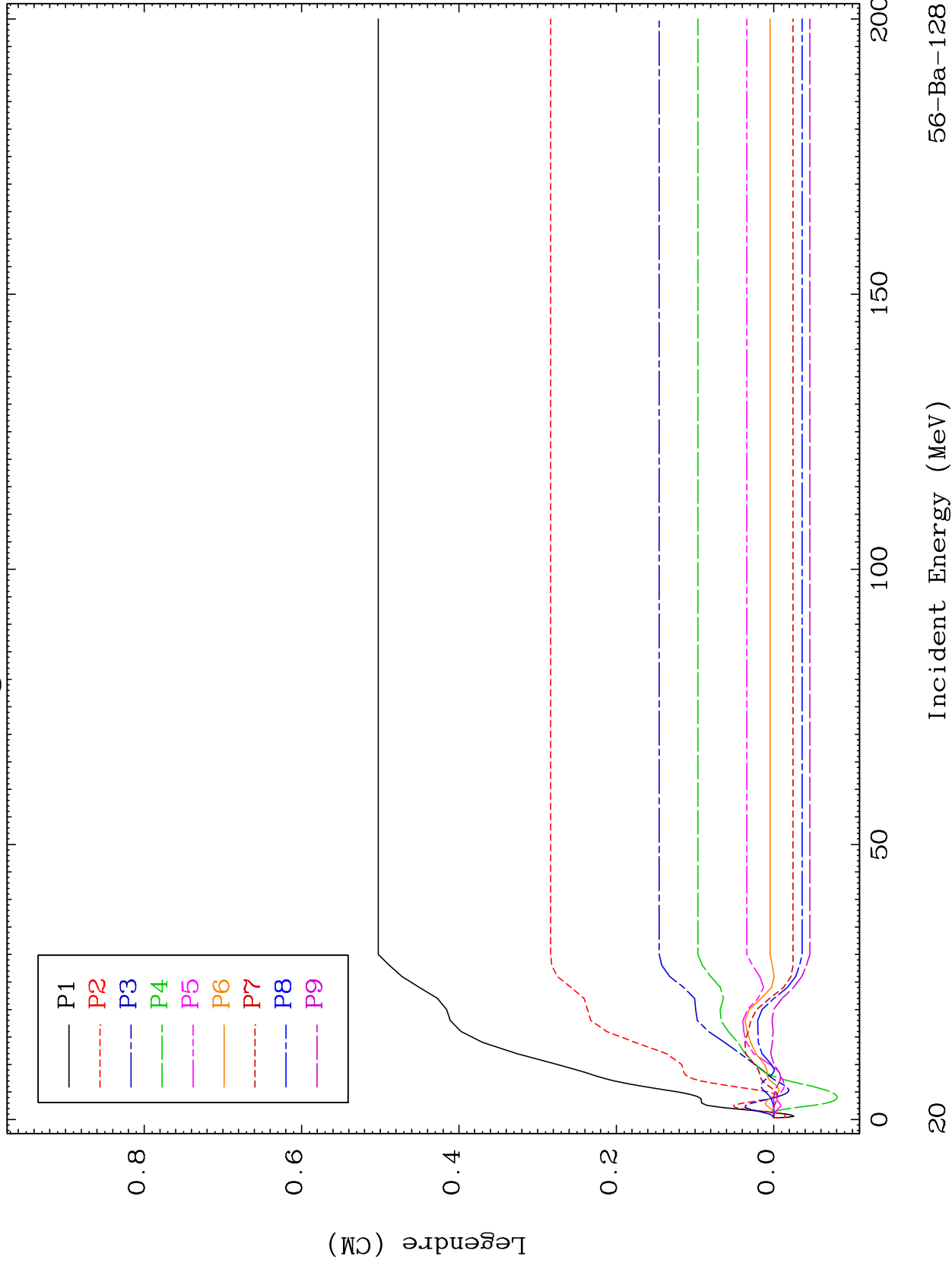
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

56-Ba-128



56-Ba-128

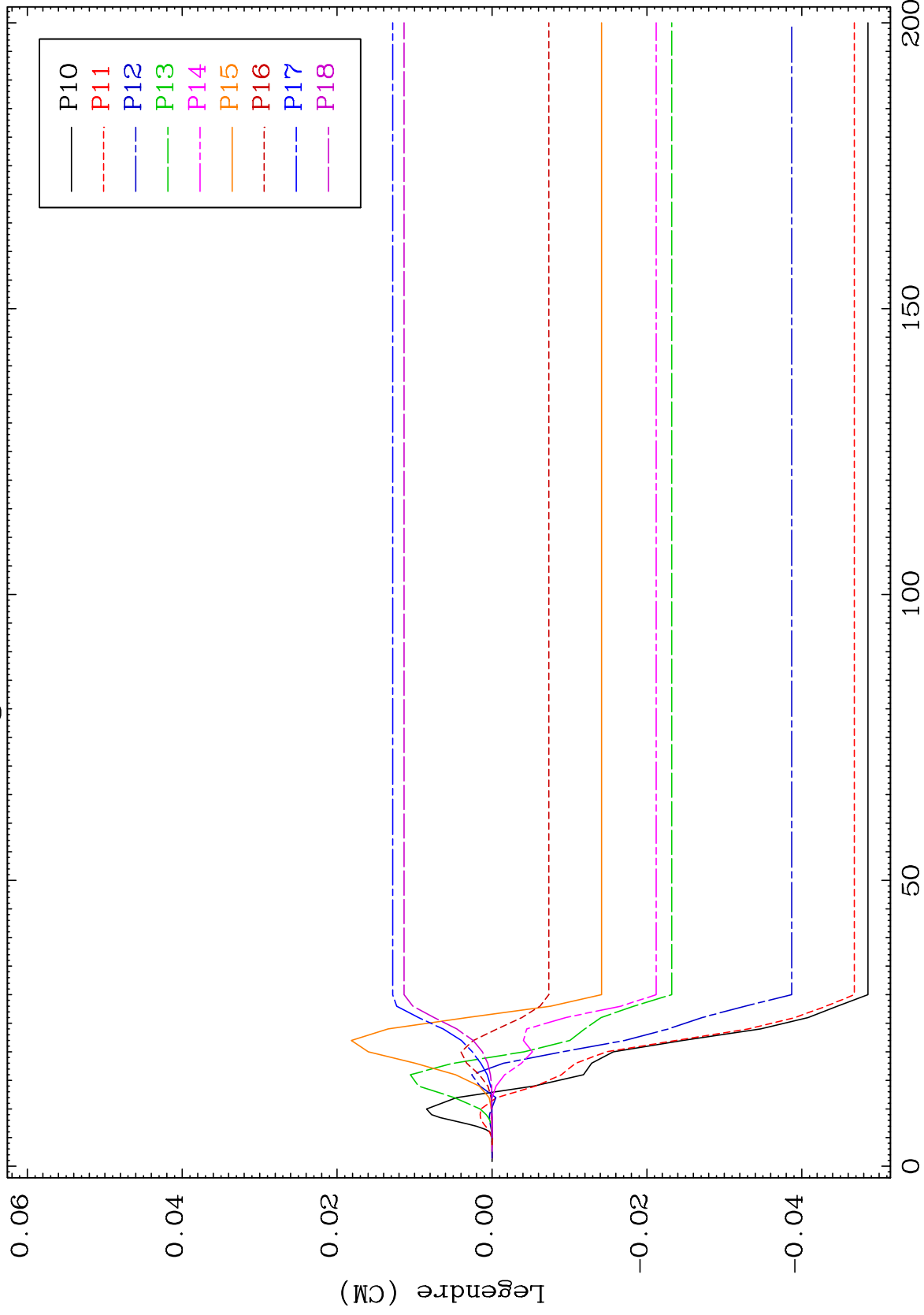
Incident Energy (MeV)

0

MAT 5619

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

56-Ba-128



21

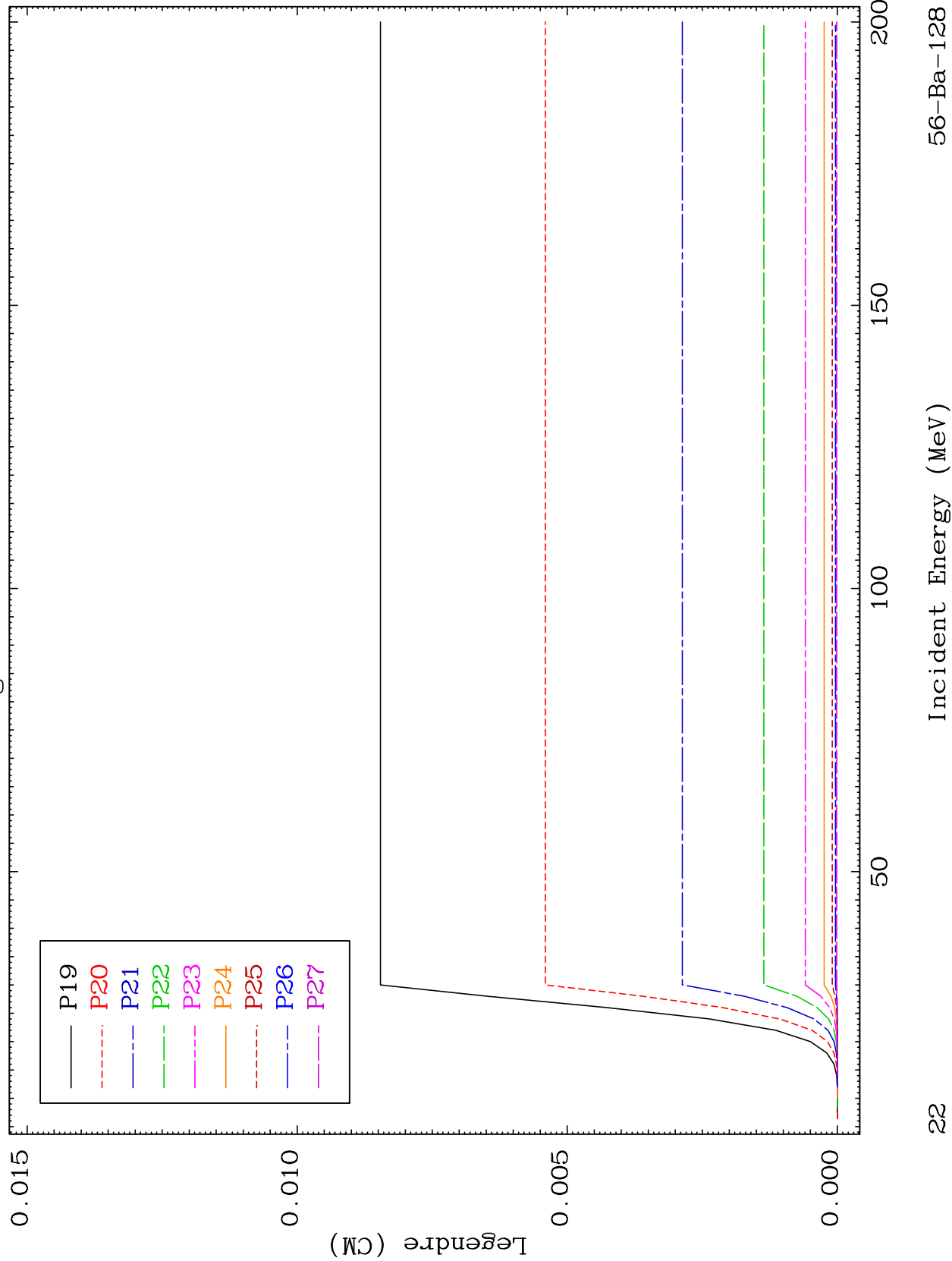
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

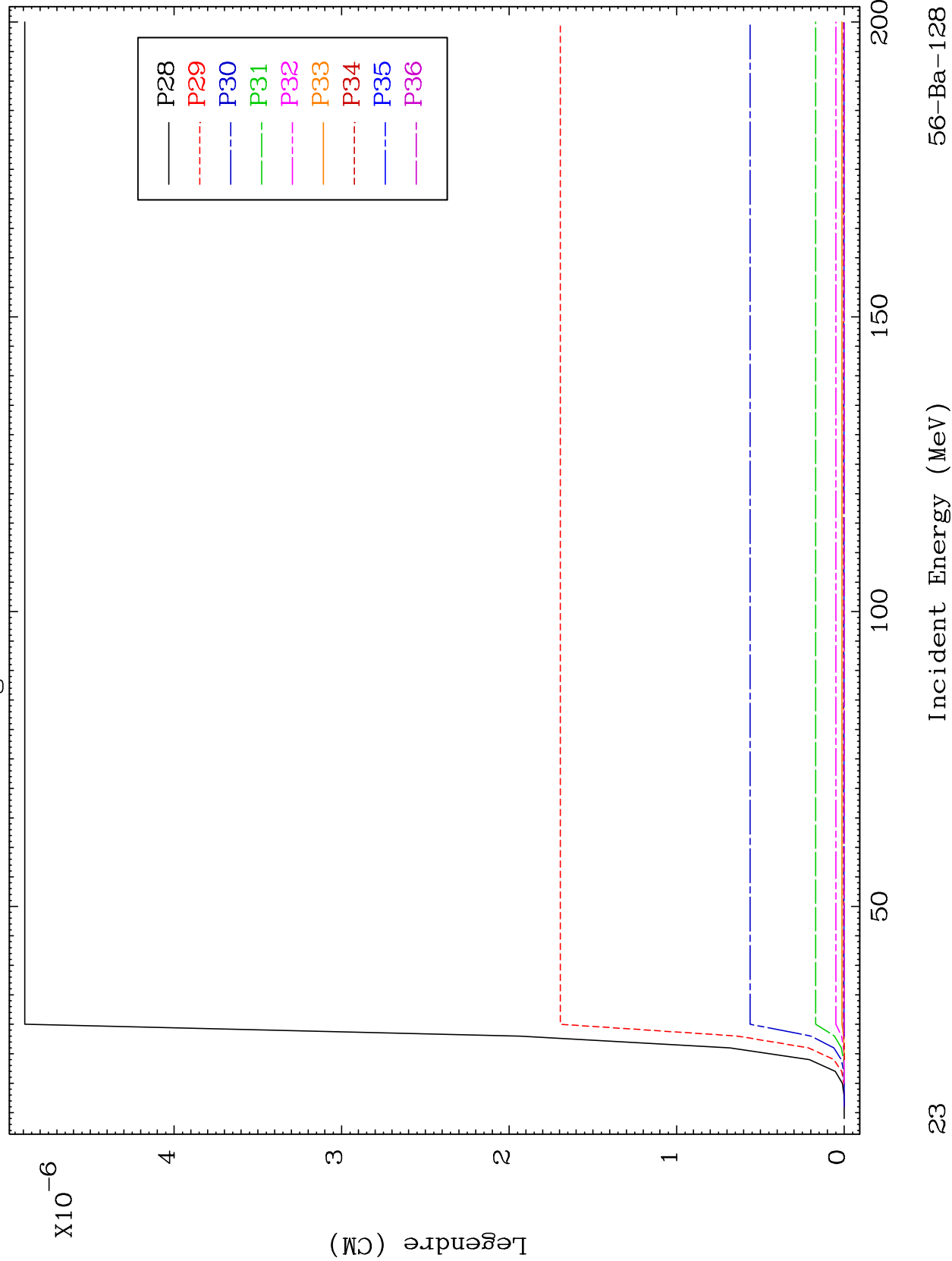
56-Ba-128



MAT 5619

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

56-Ba-128



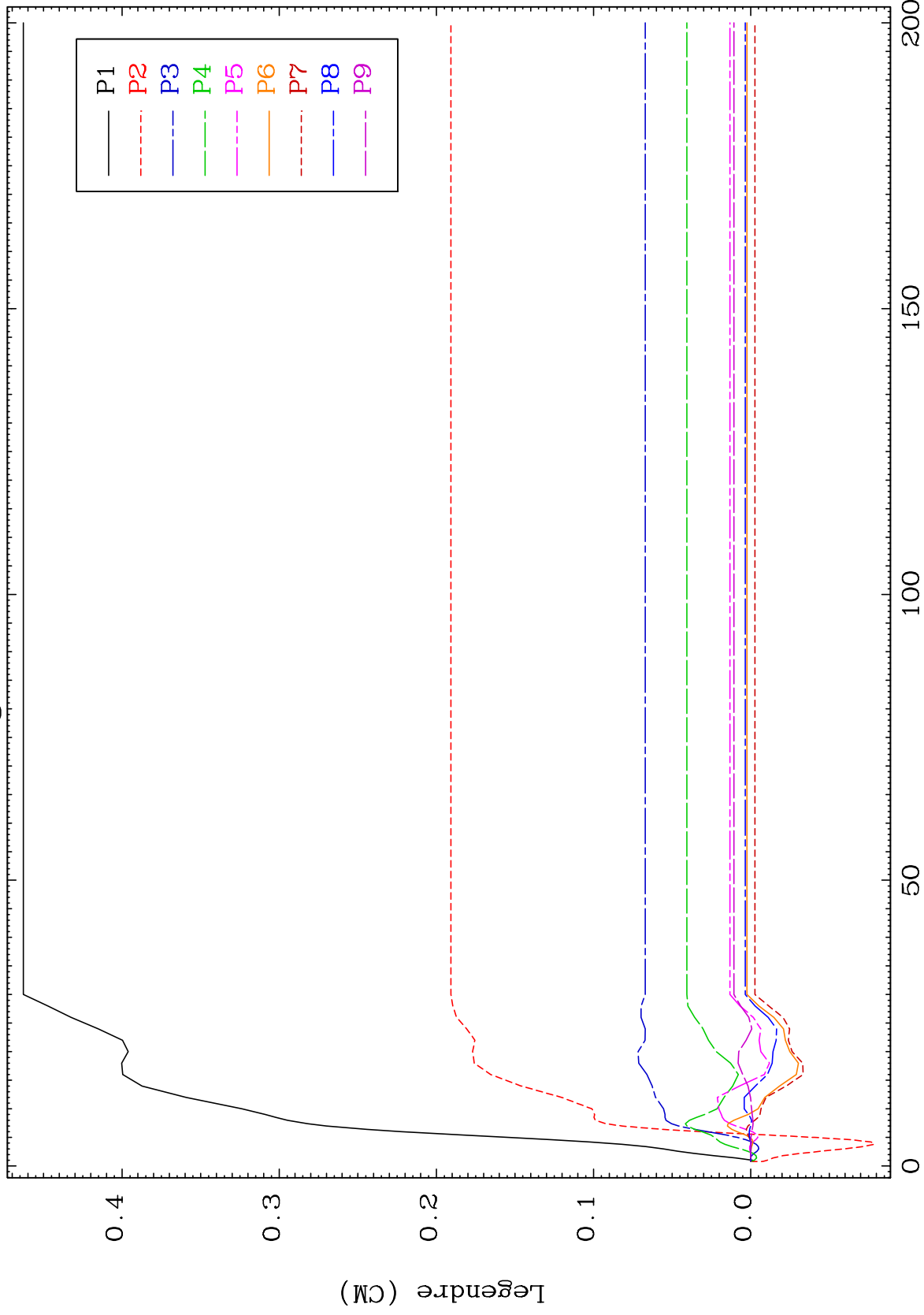
23

56-Ba-128

MAT 5619

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

56-Ba-128



24

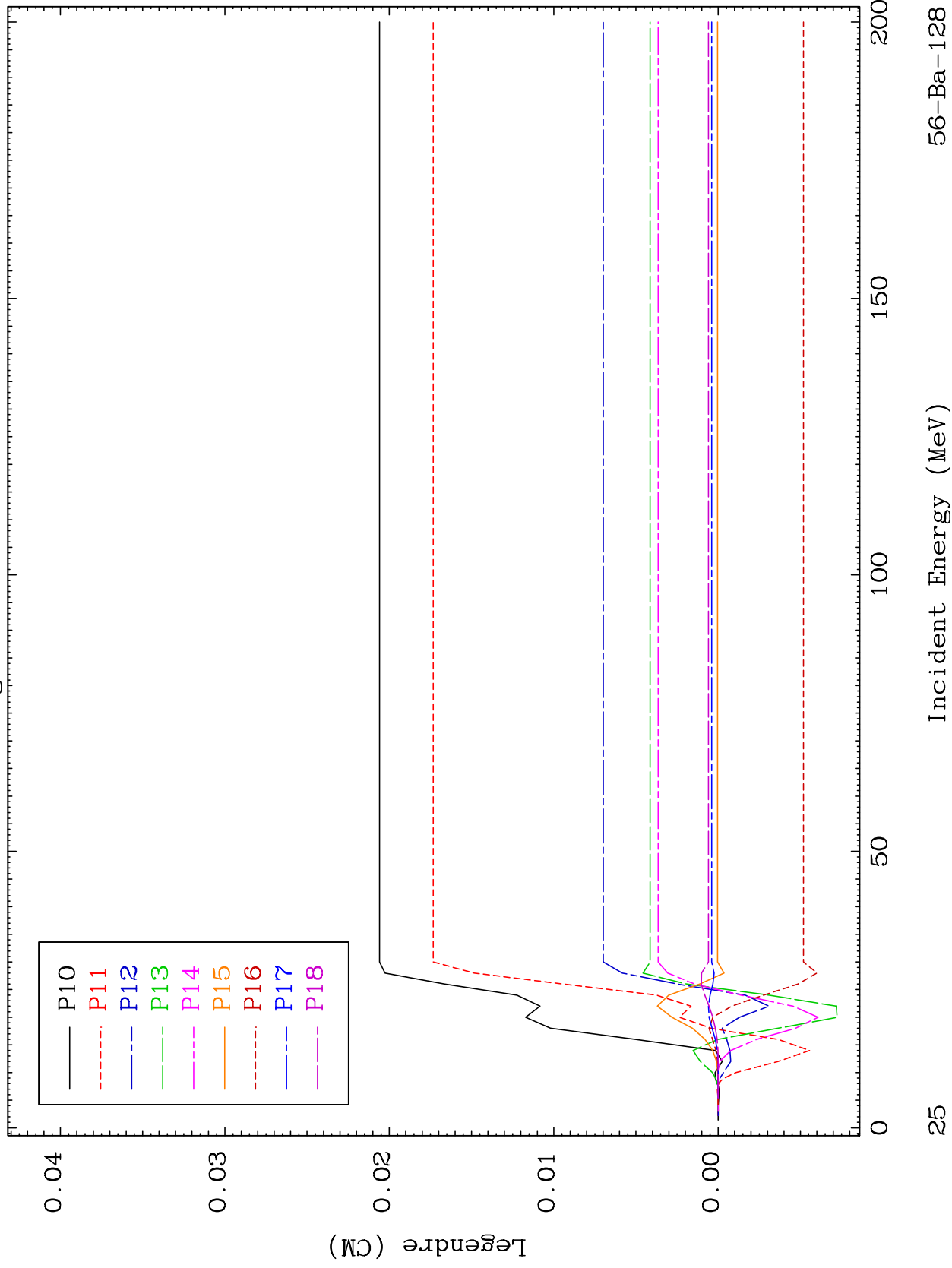
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

56-Ba-128



25

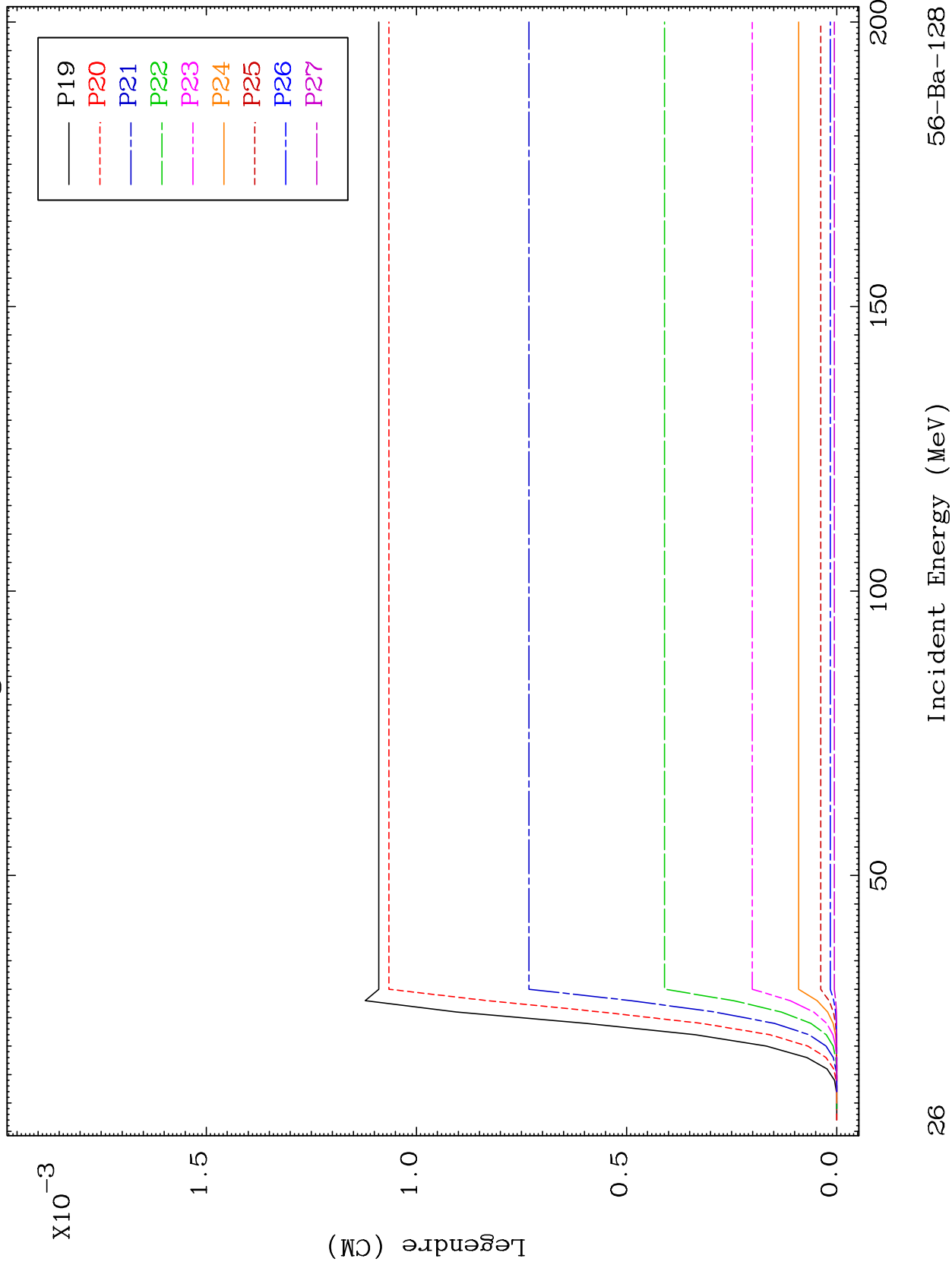
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

56-Ba-128



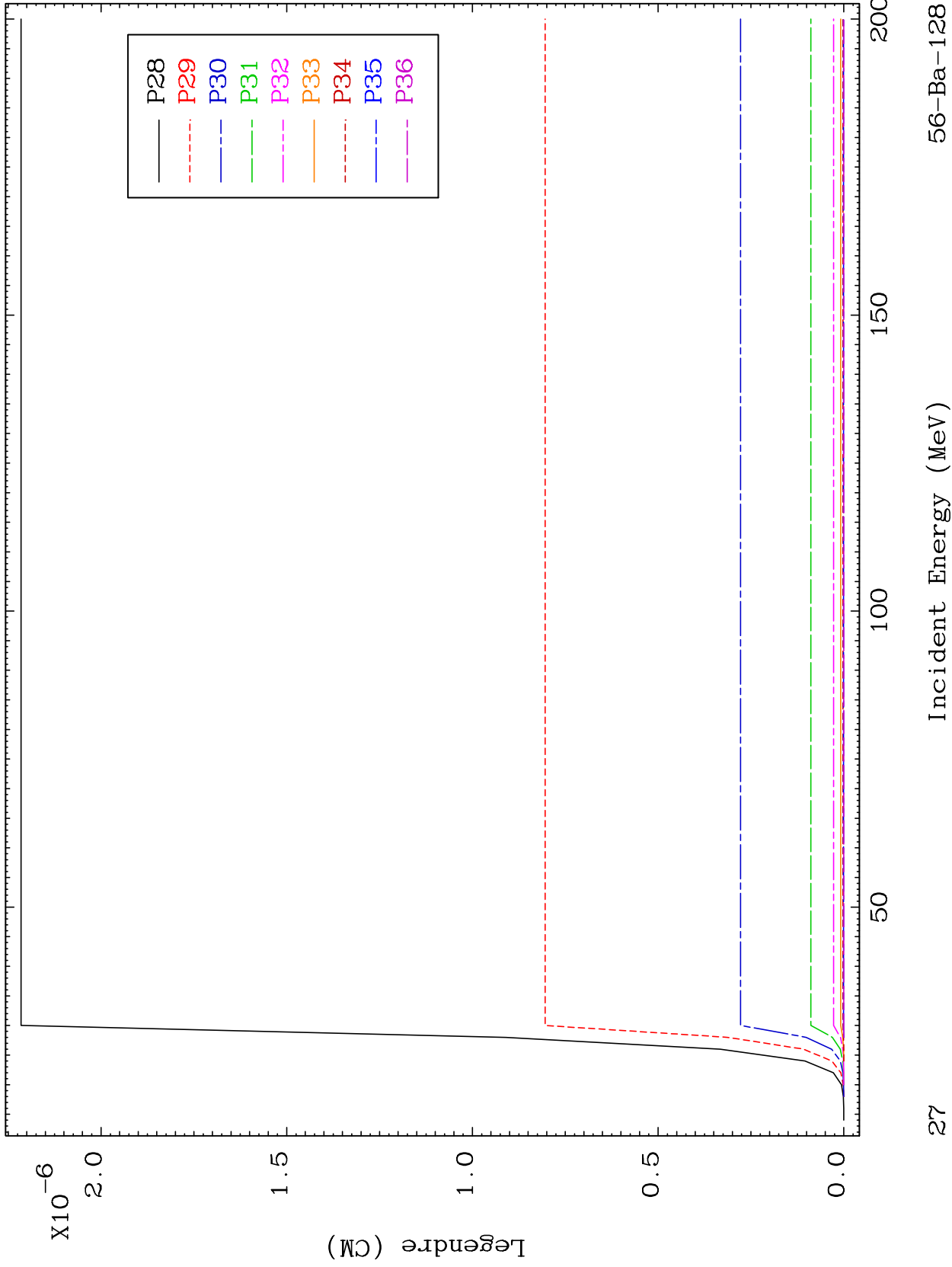
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56-Ba-128

MAT 5619

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

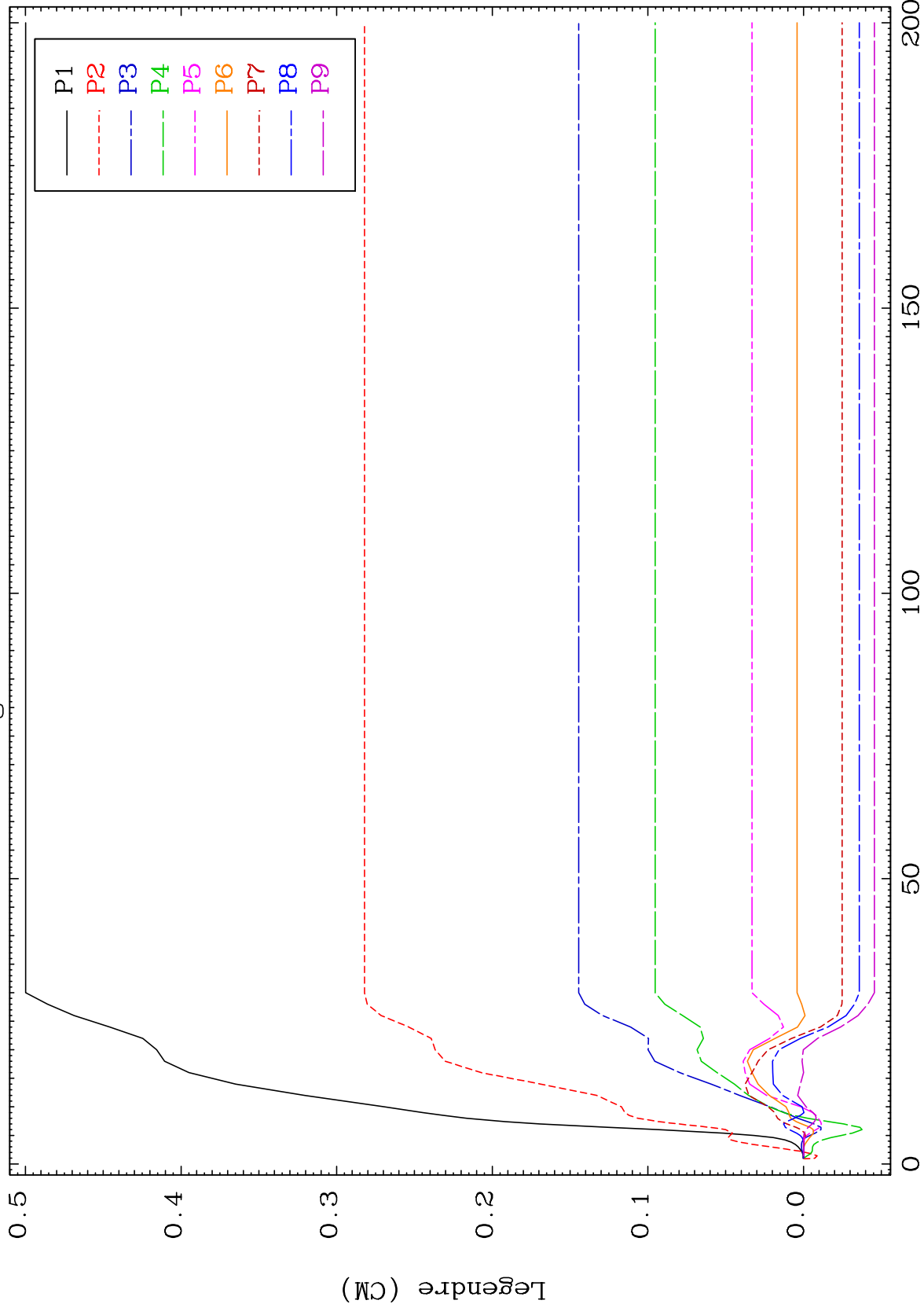
56-Ba-128



MAT 5619

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

56-Ba-128



28

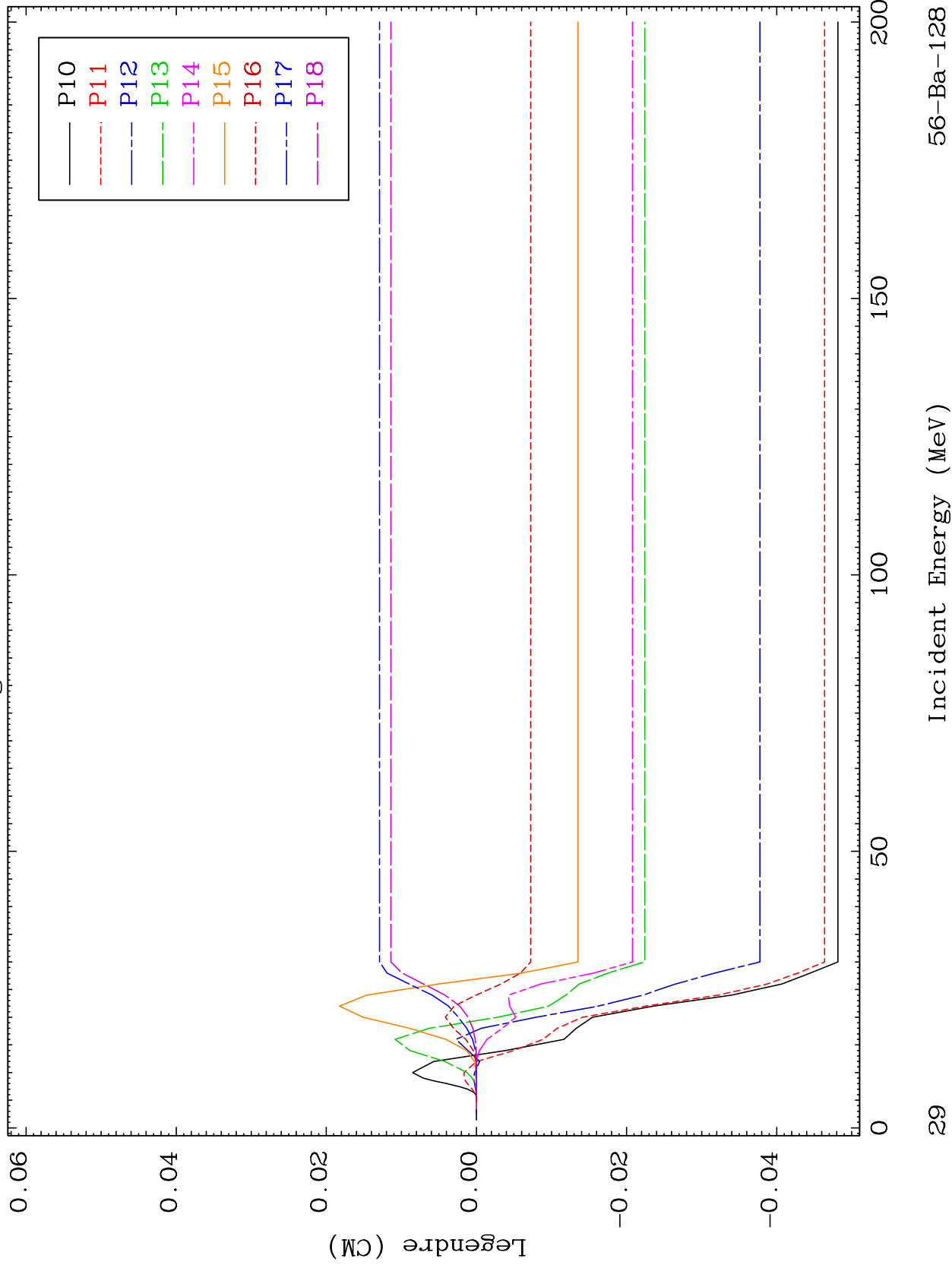
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

56-Ba-128



29

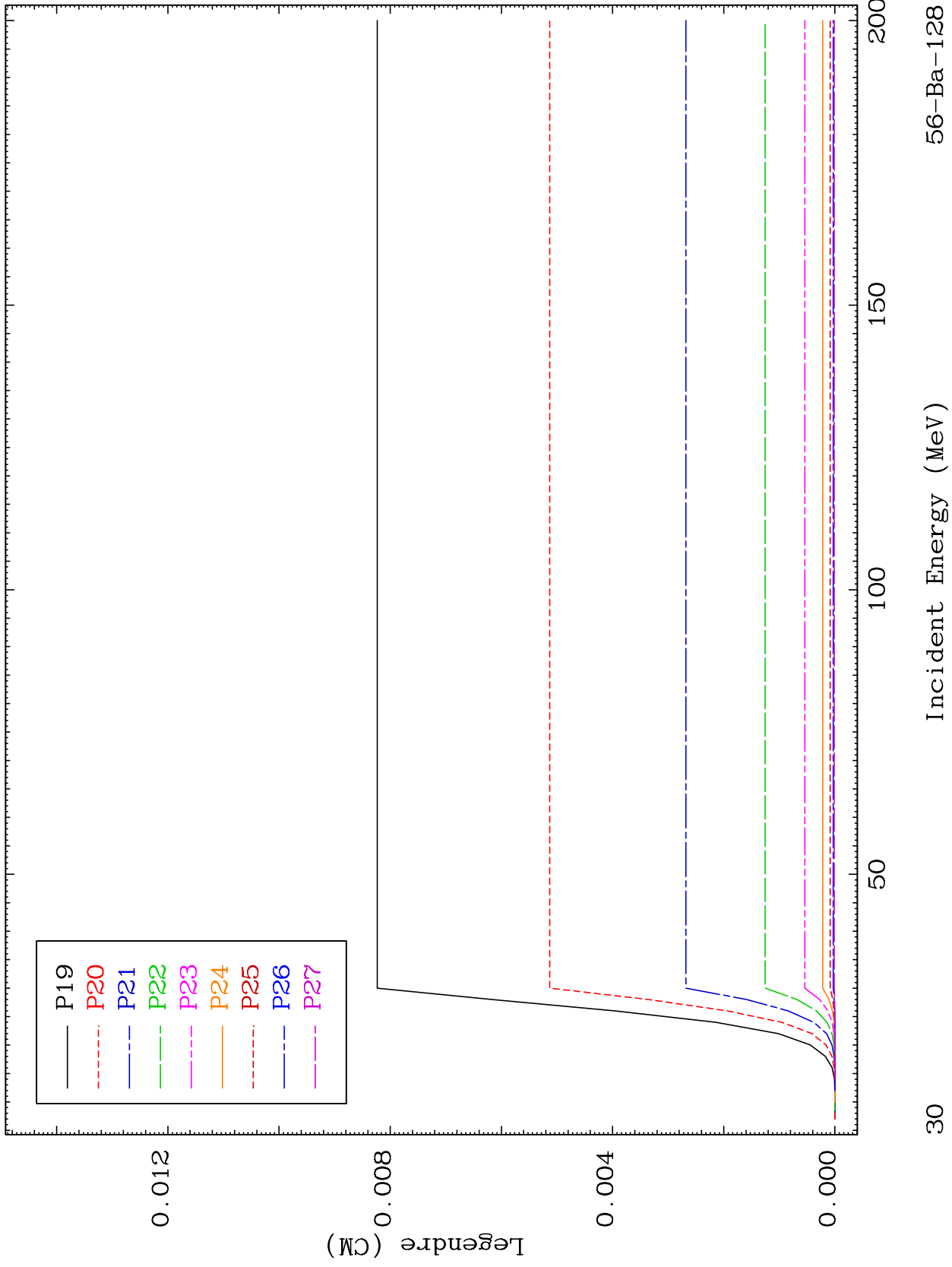
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

56-Ba-128



56-Ba-128

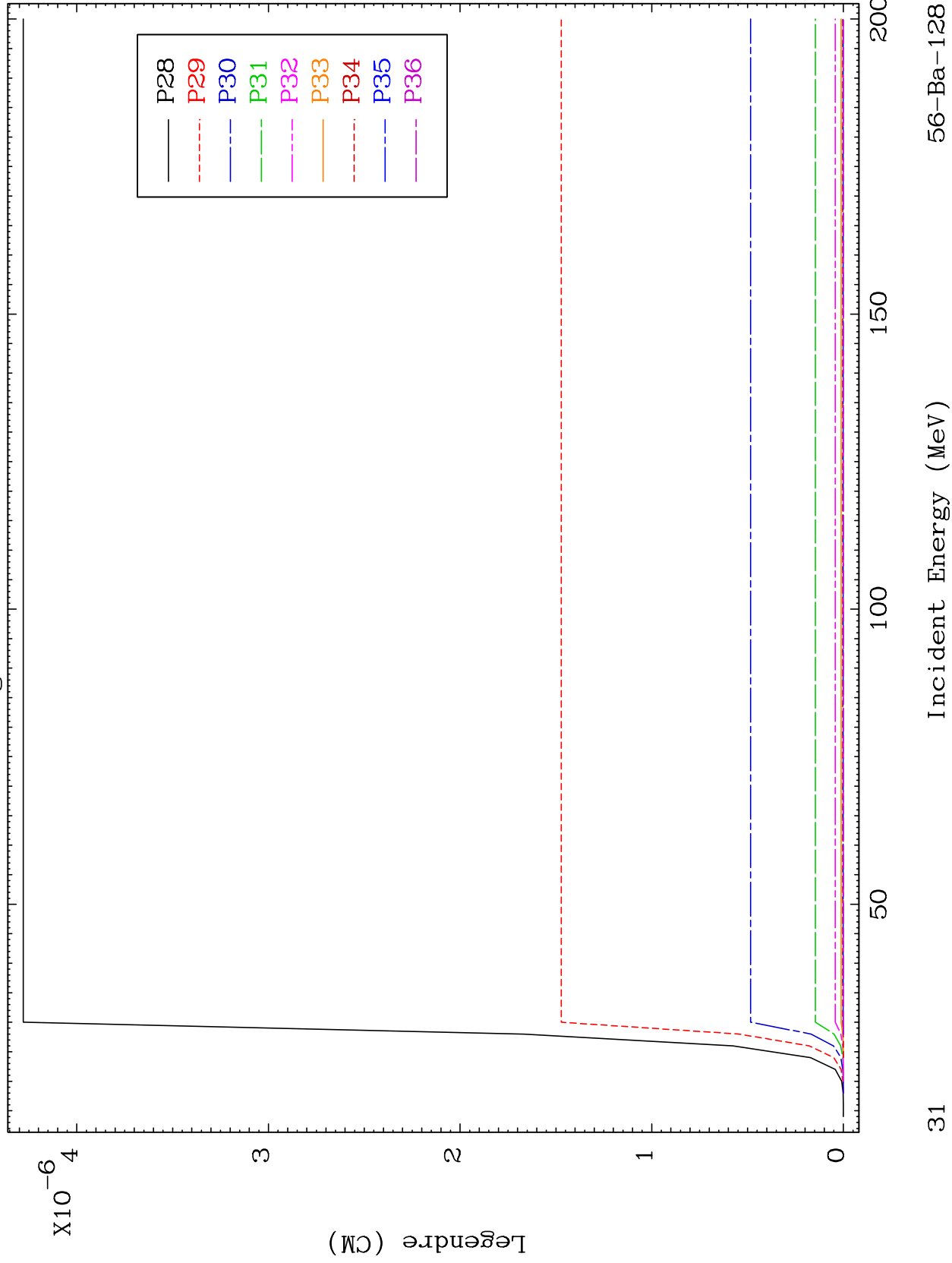
Incident Energy (MeV)

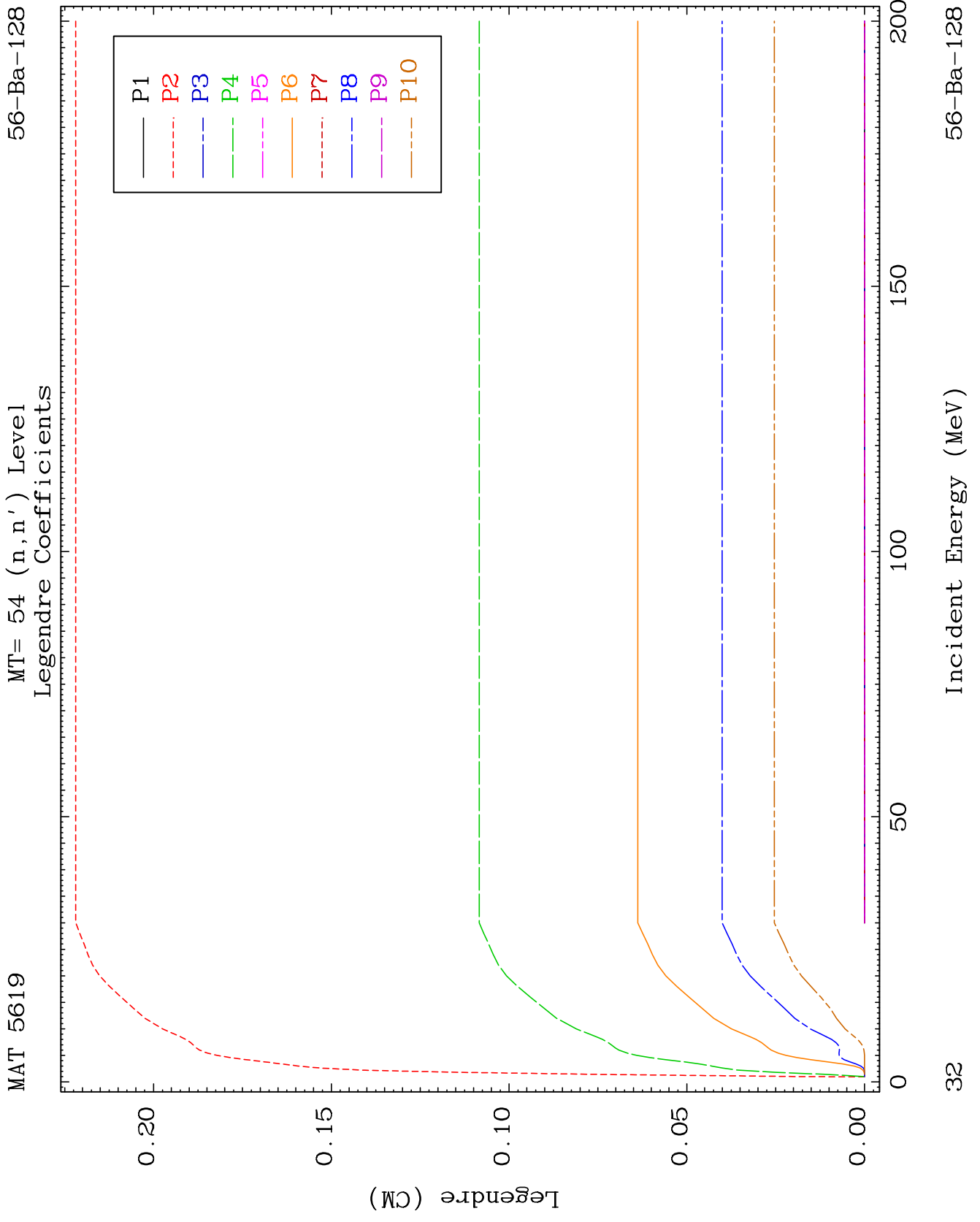
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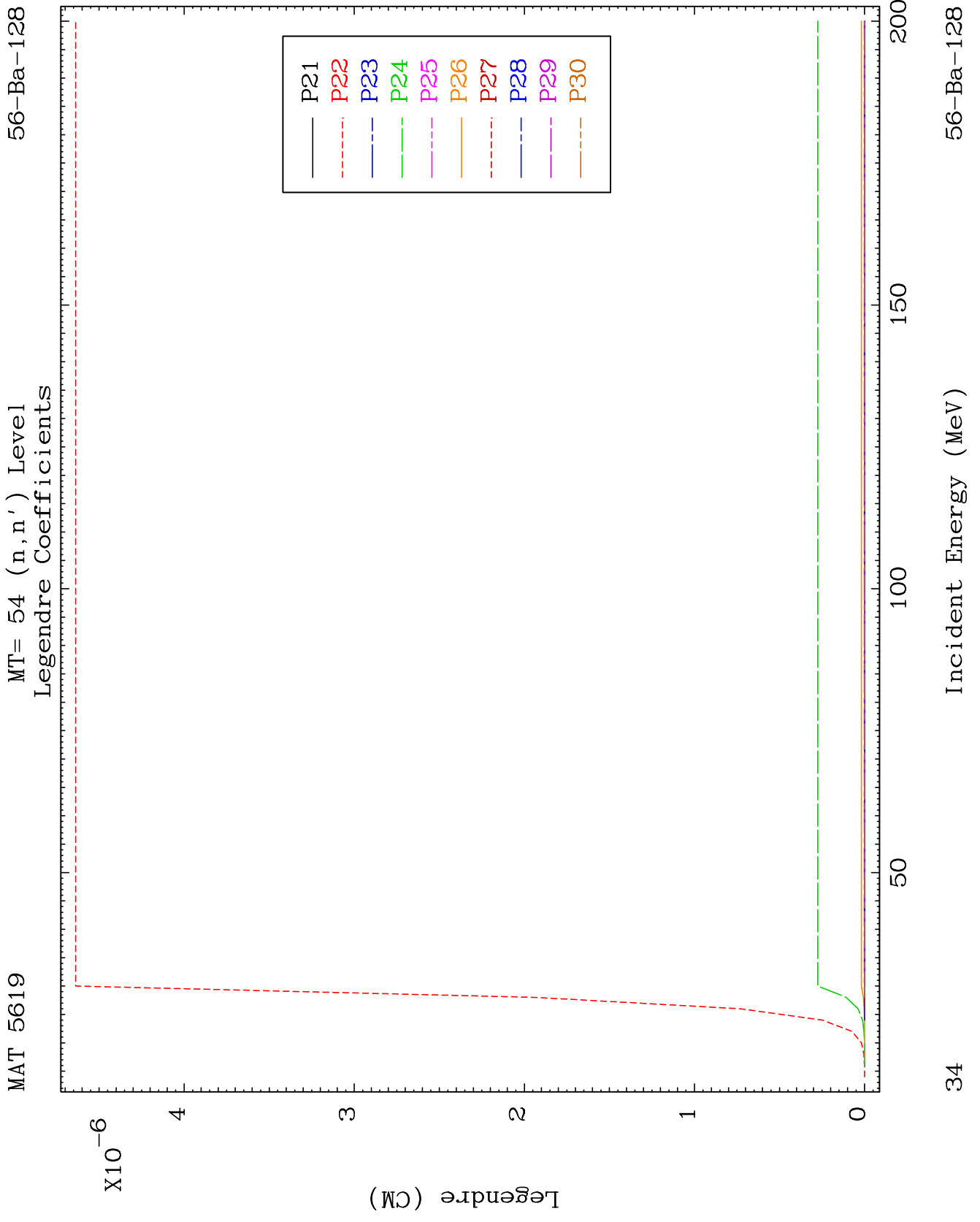
MAT 5619

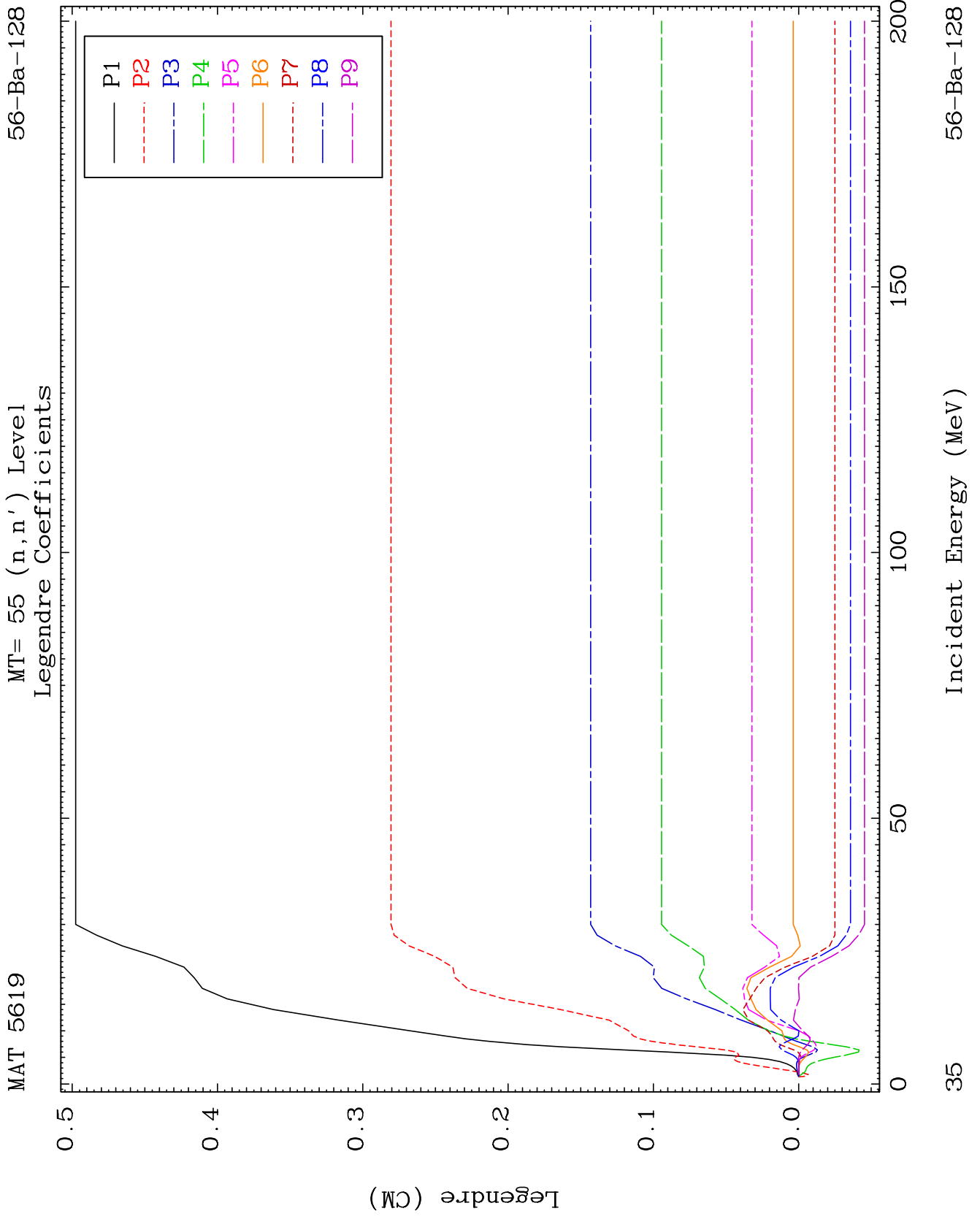
MT= 53 (n,n') Level
Legendre Coefficients

56-Ba-128





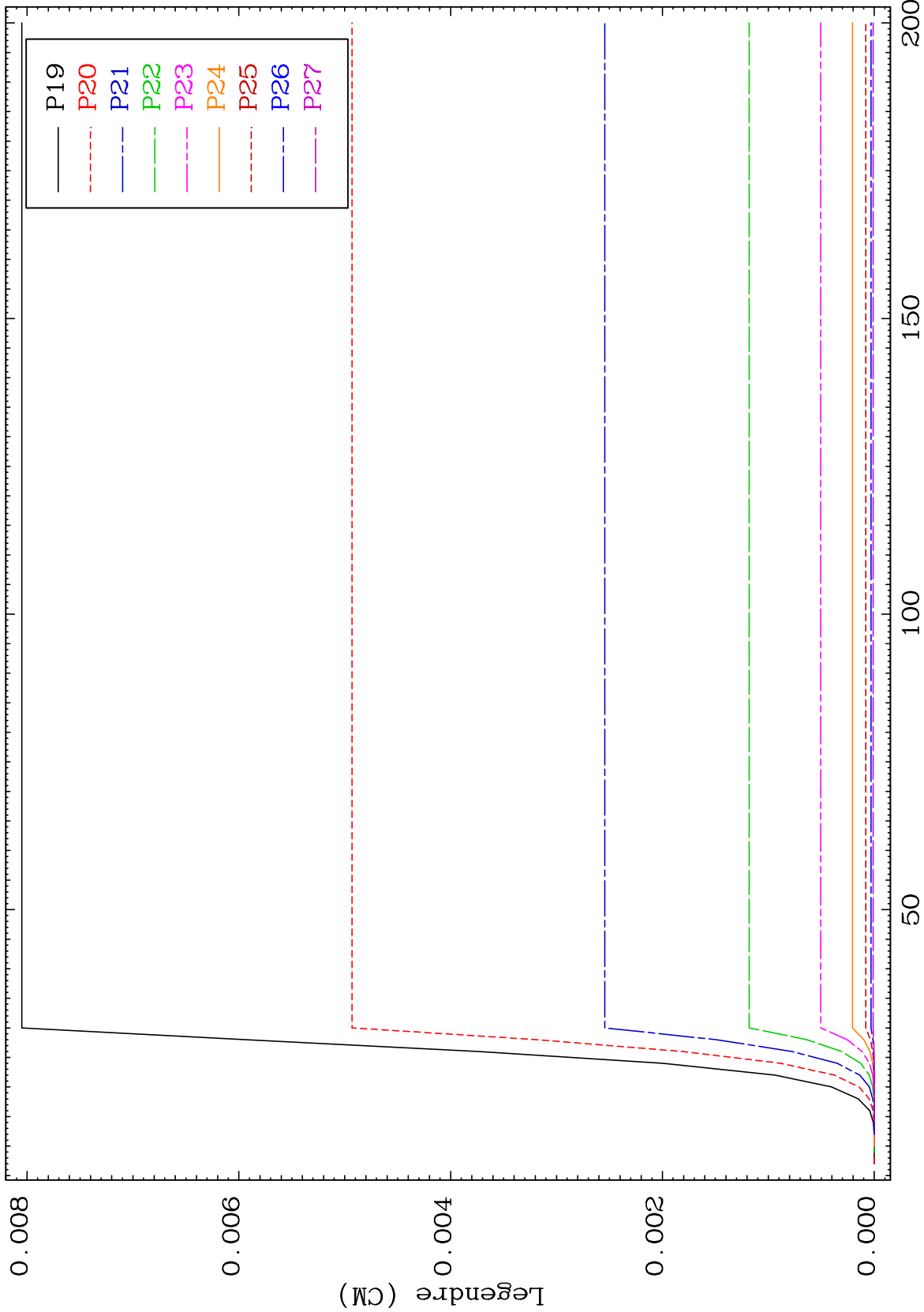




MAT 5619

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

56-Ba-128



37

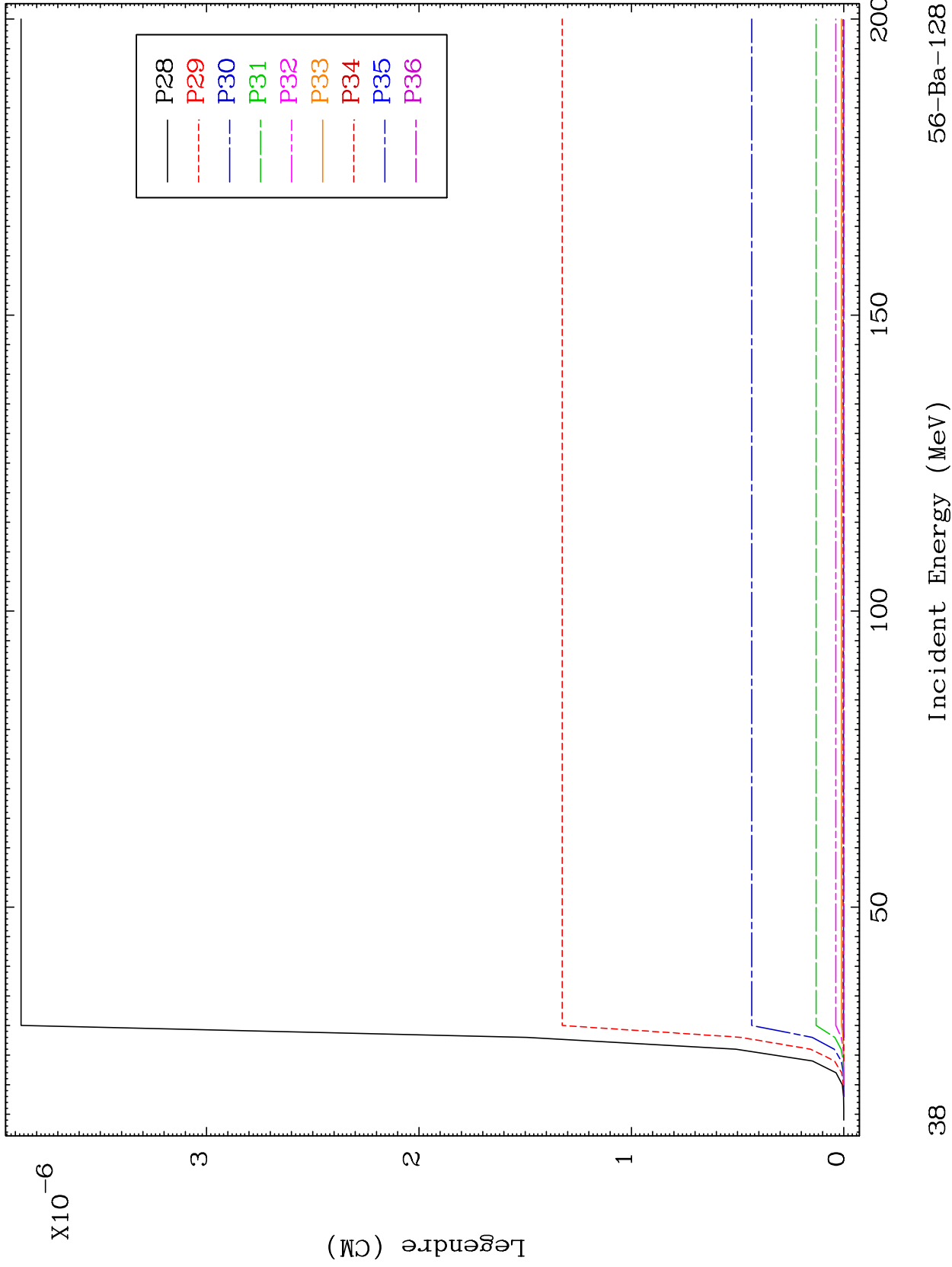
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

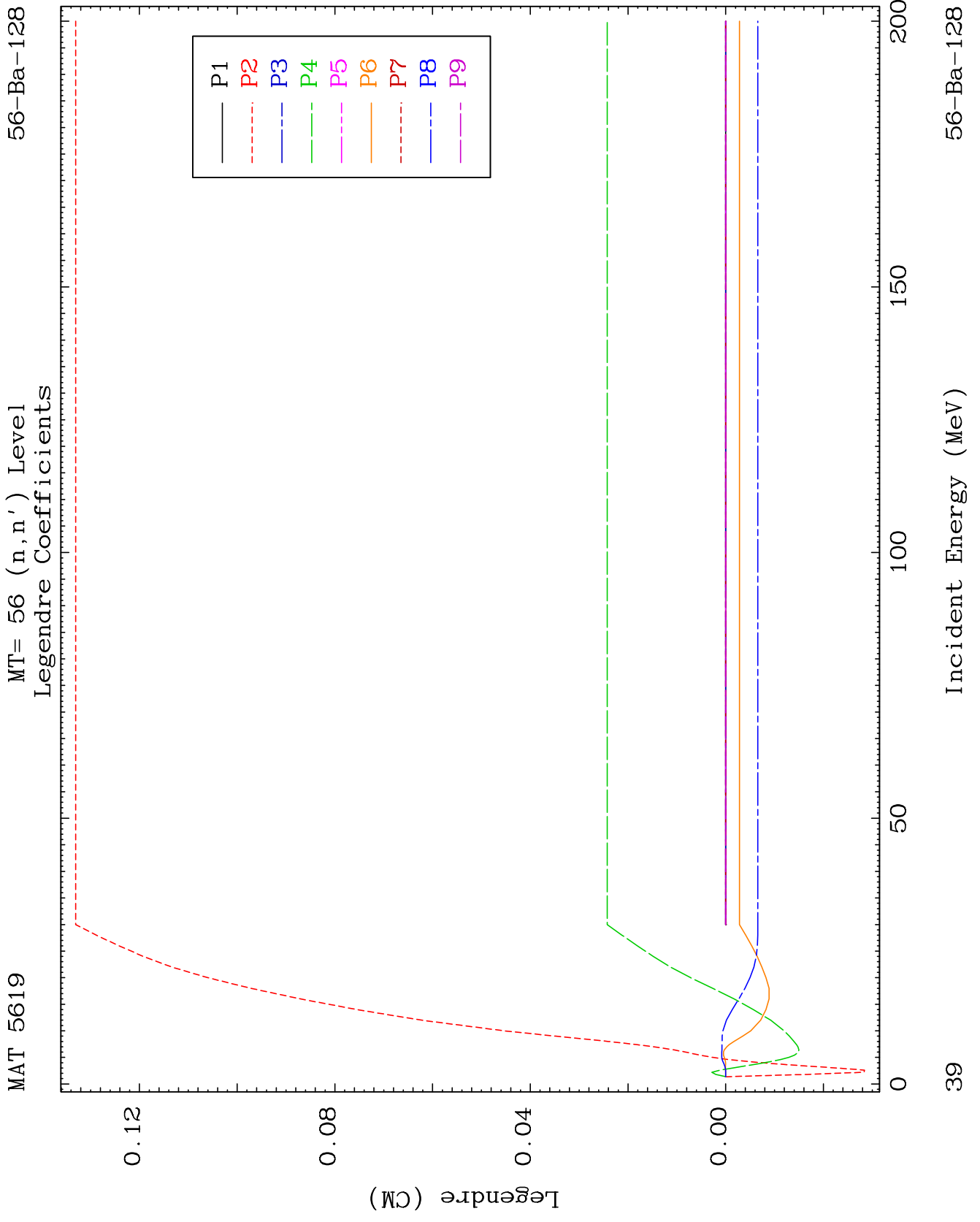
56-Ba-128



38

Incident Energy (MeV)

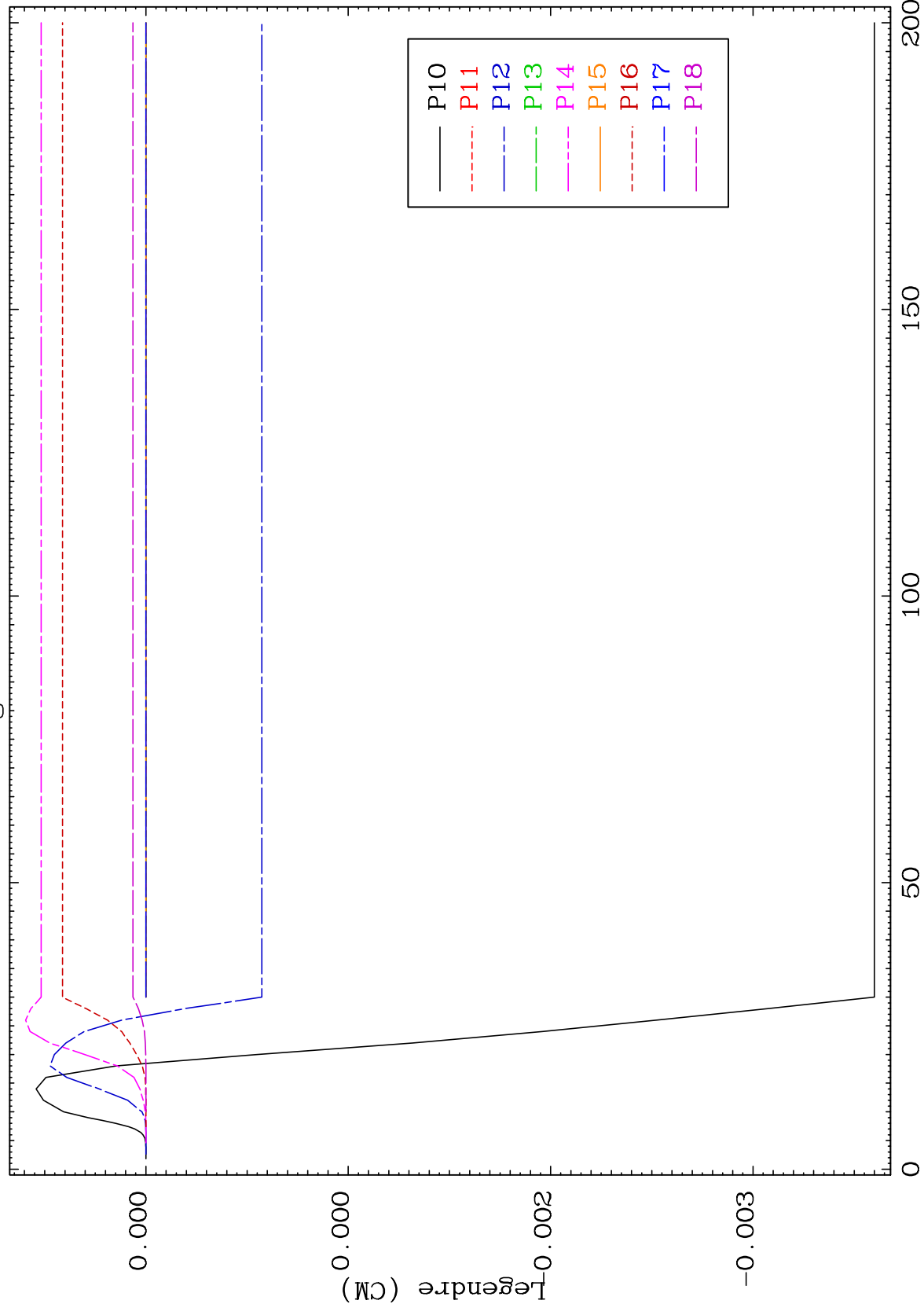
56-Ba-128



MAT 5619

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

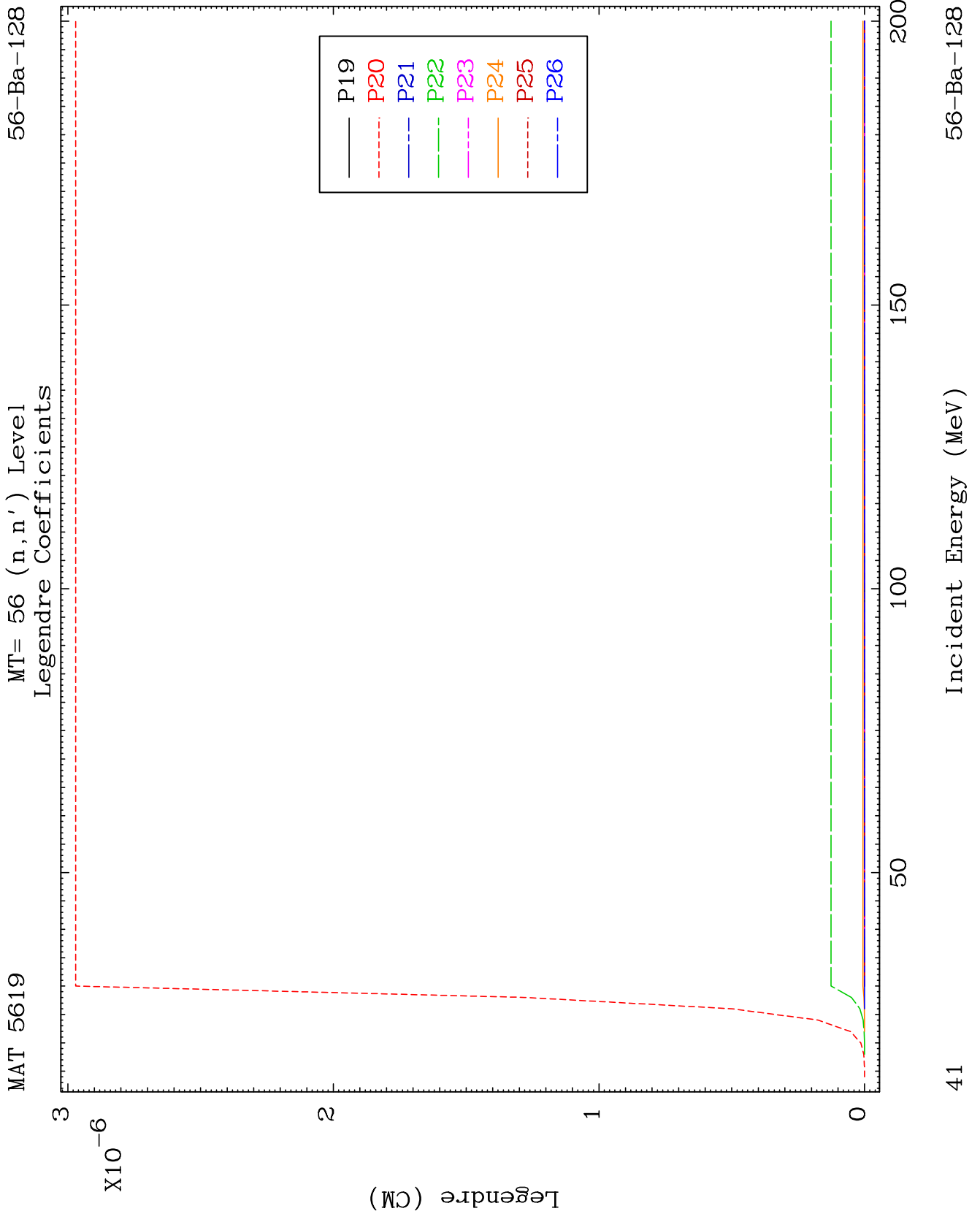
56-Ba-128



56-Ba-128

Incident Energy (MeV)

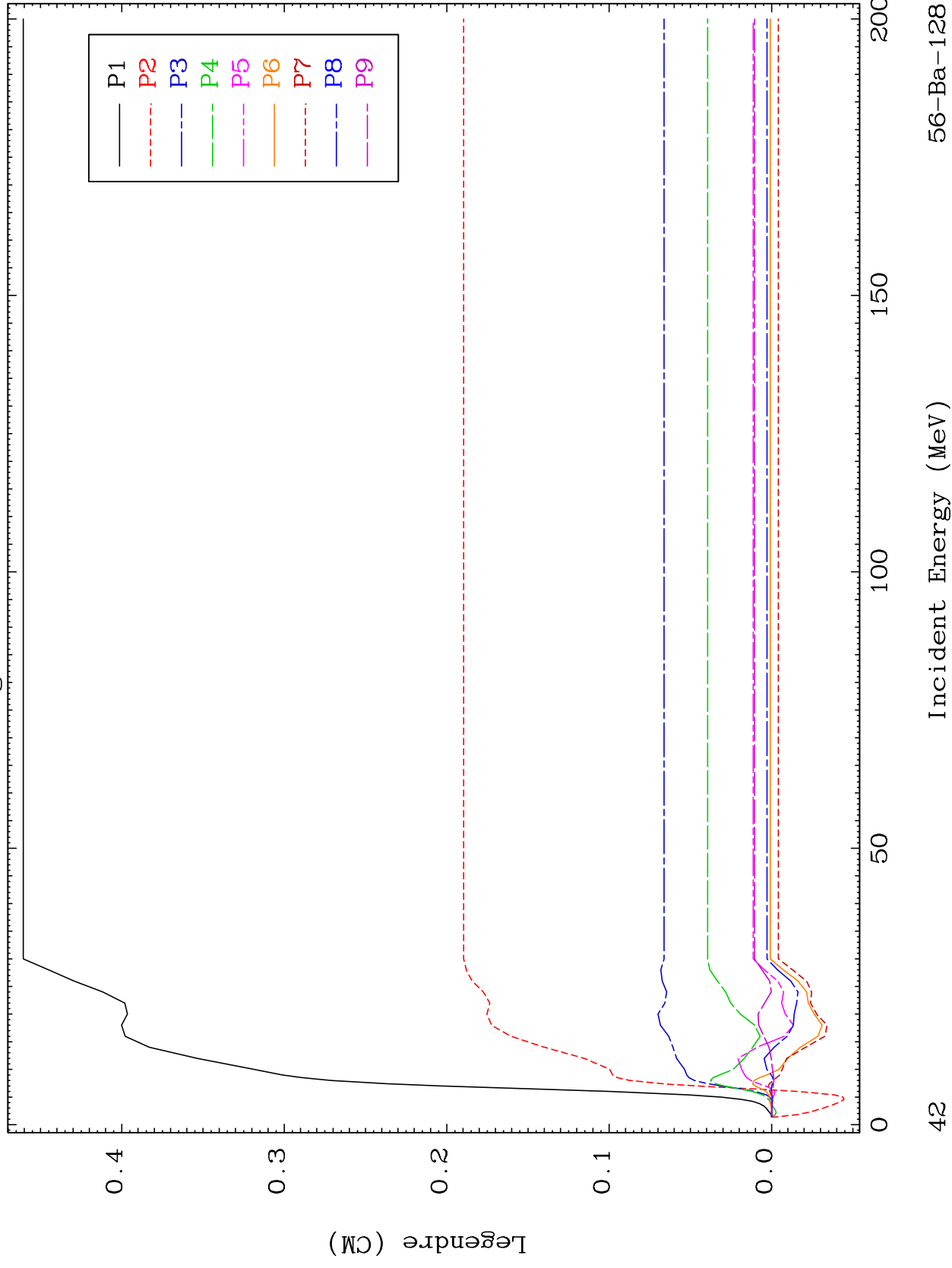
40



MAT 5619

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

56-Ba-128



56-Ba-128

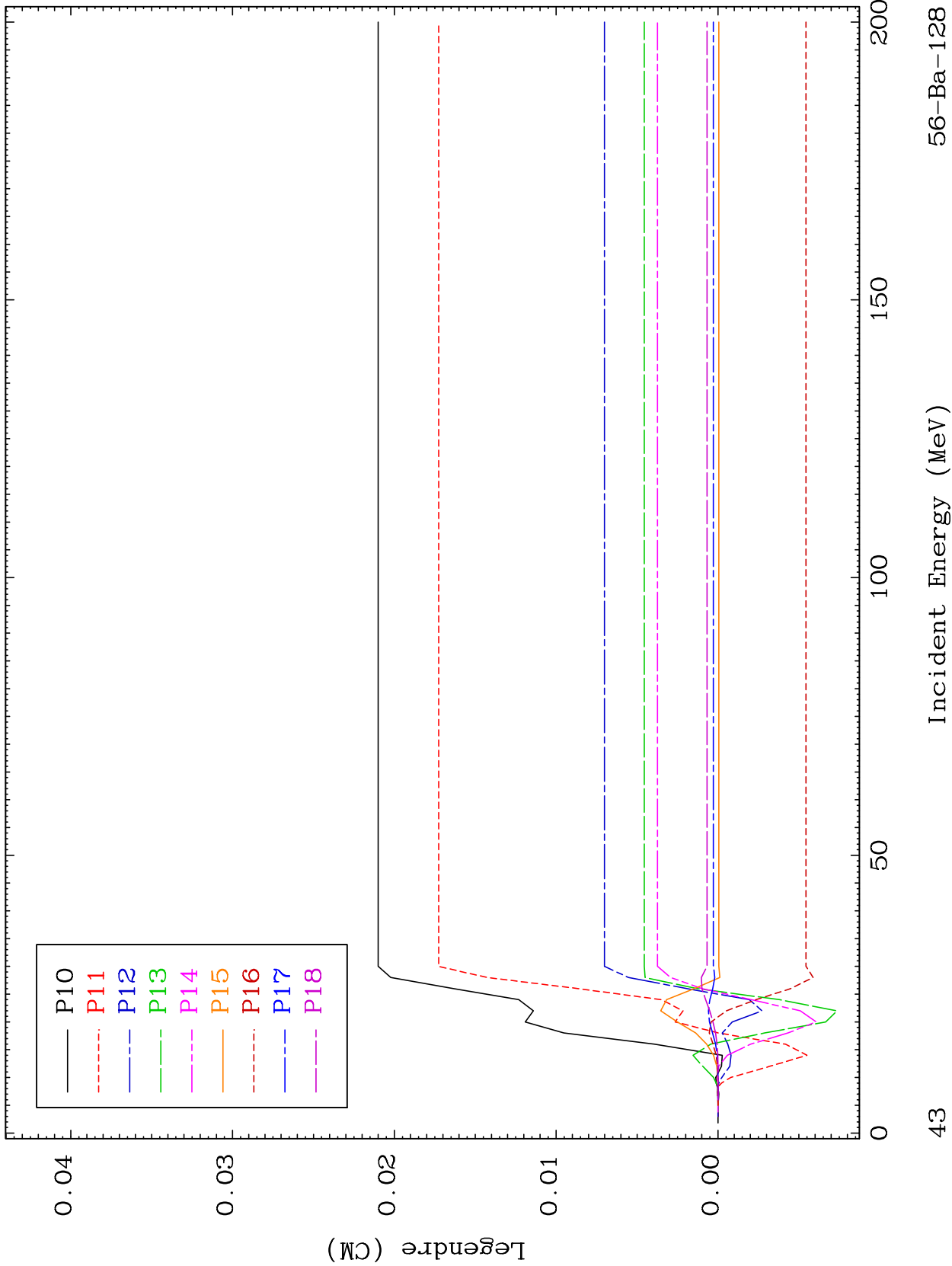
Incident Energy (MeV)

42

MAT 5619

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

56-Ba-128



43

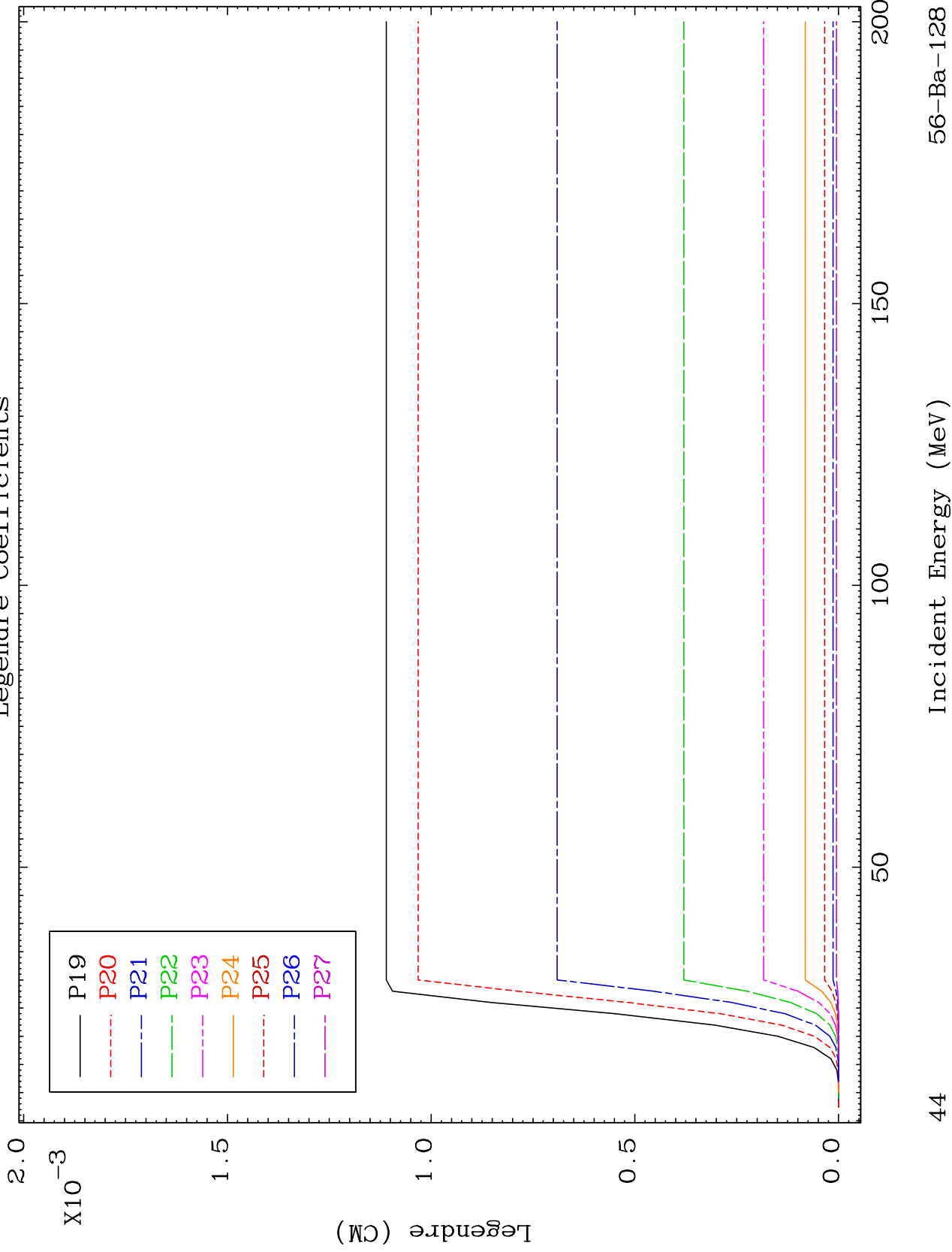
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

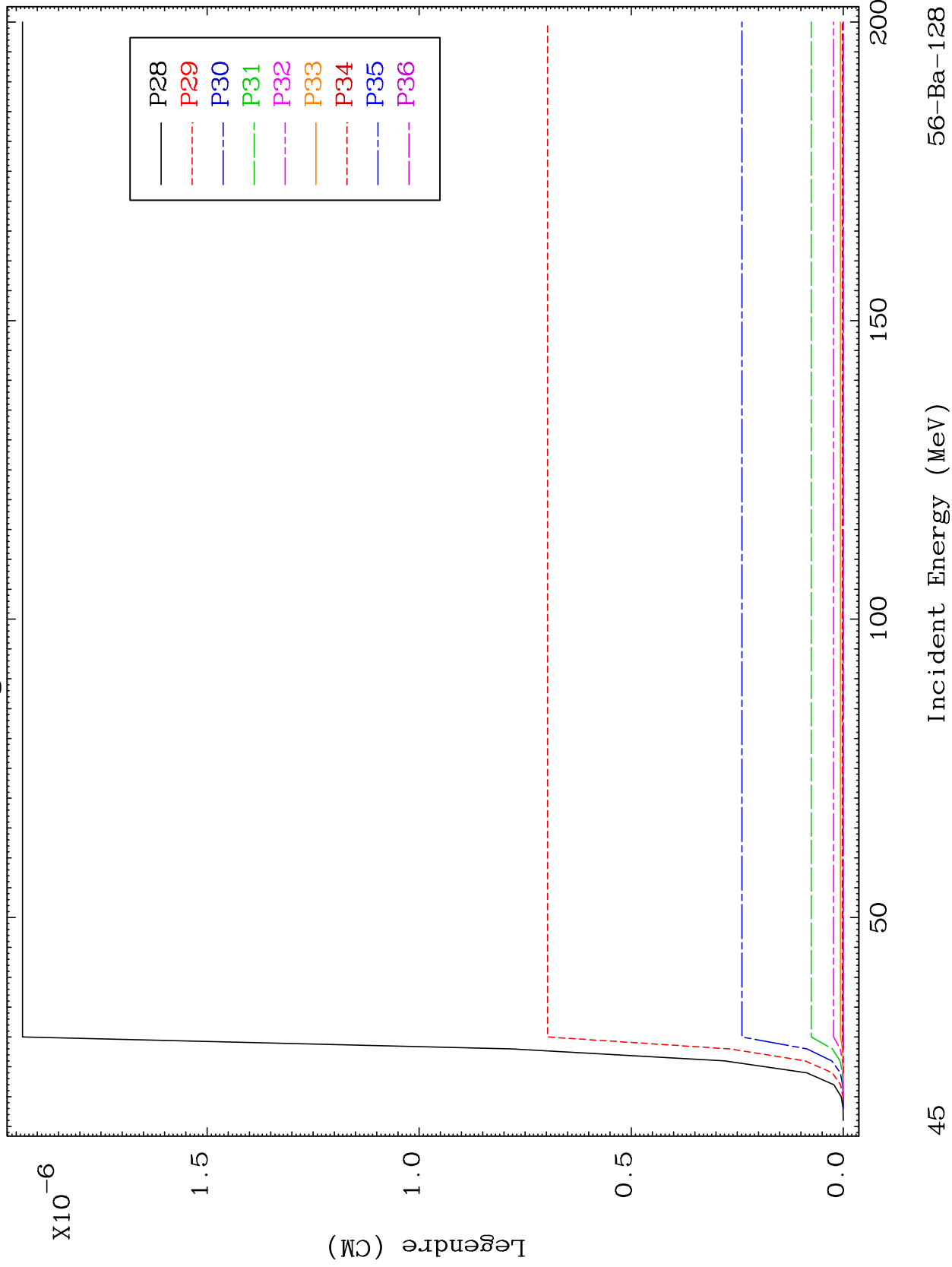
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MAT 5619

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

56-Ba-128



56-Ba-128

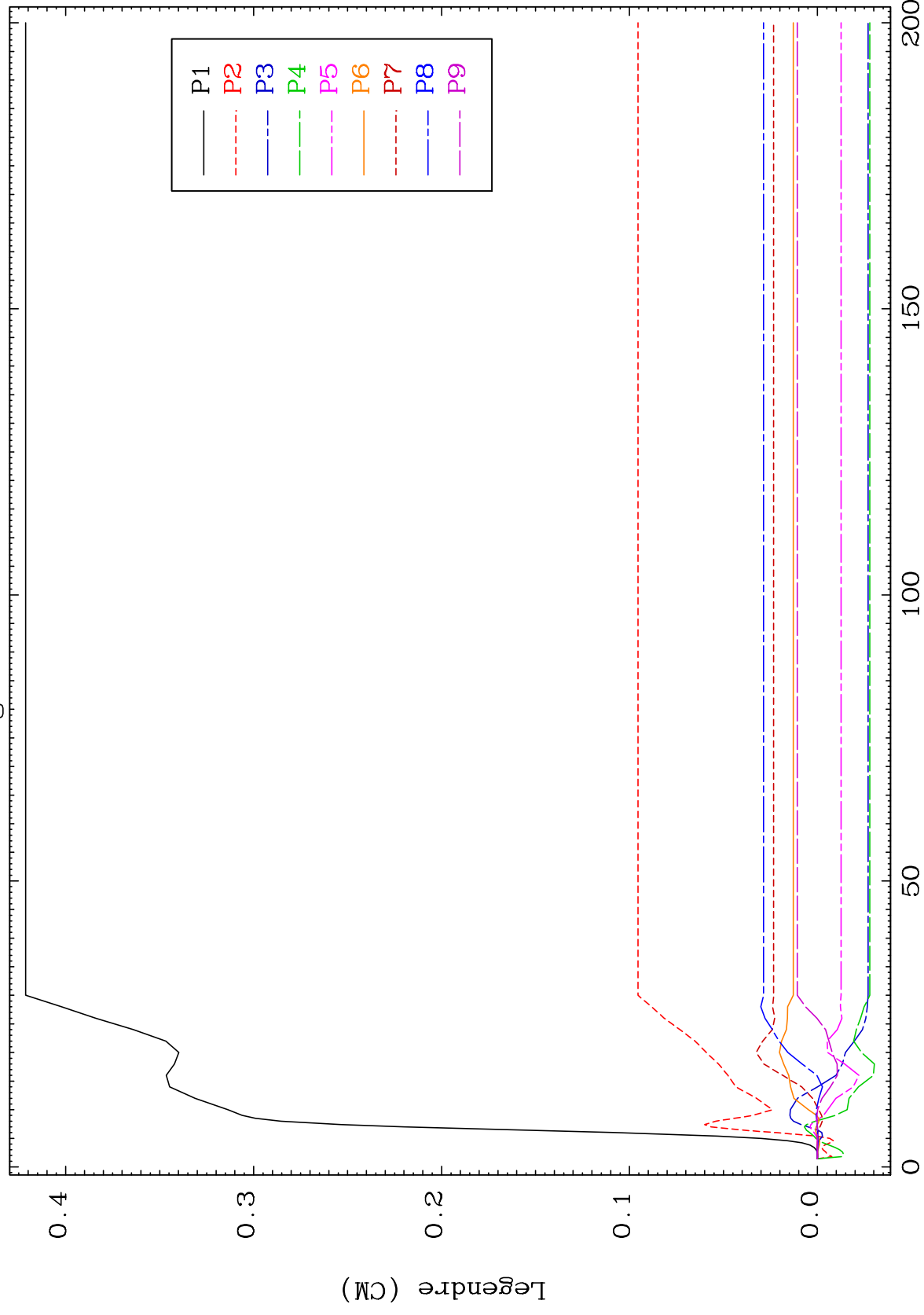
Incident Energy (MeV)

45

MAT 5619

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

56-Ba-128



46

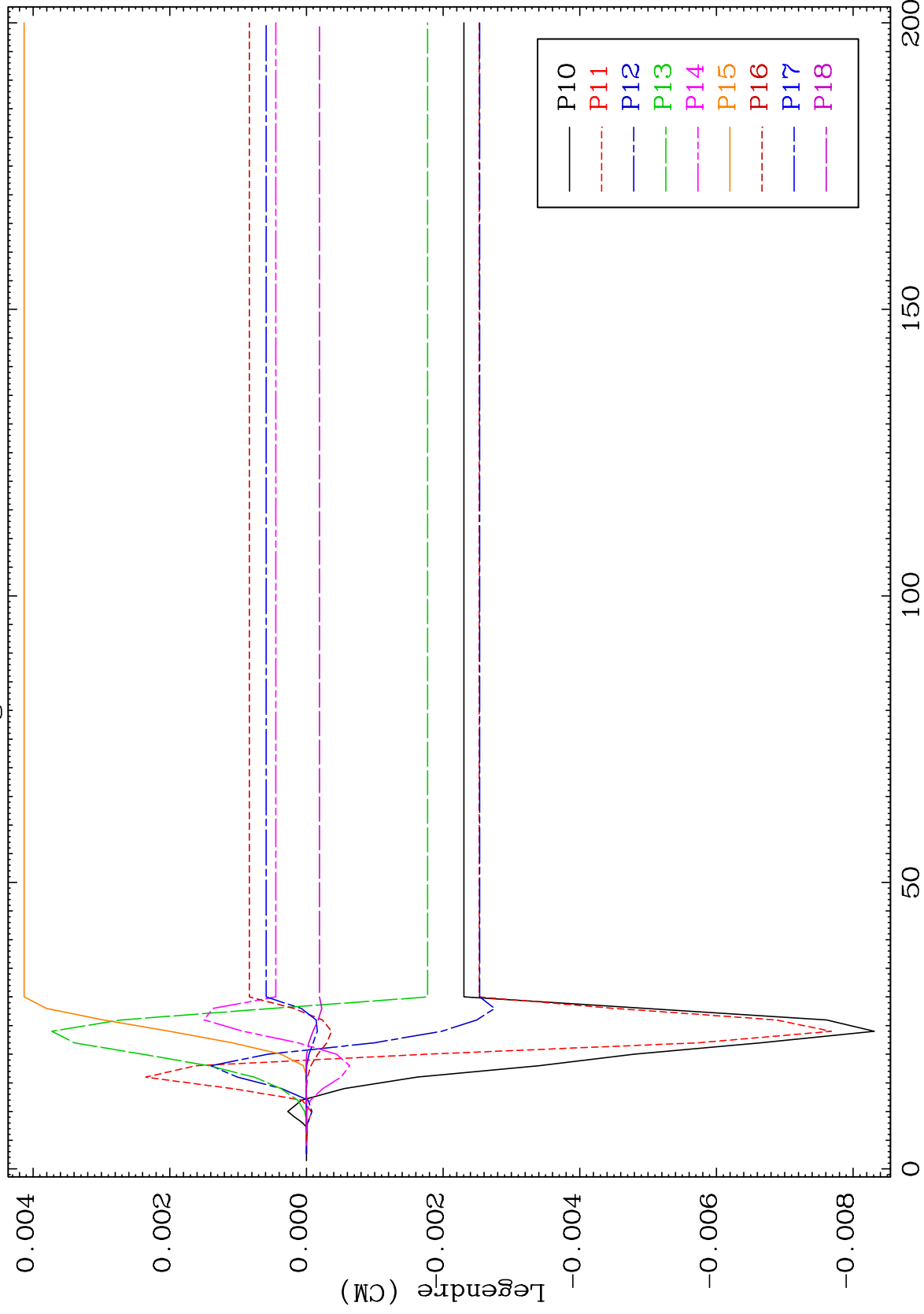
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

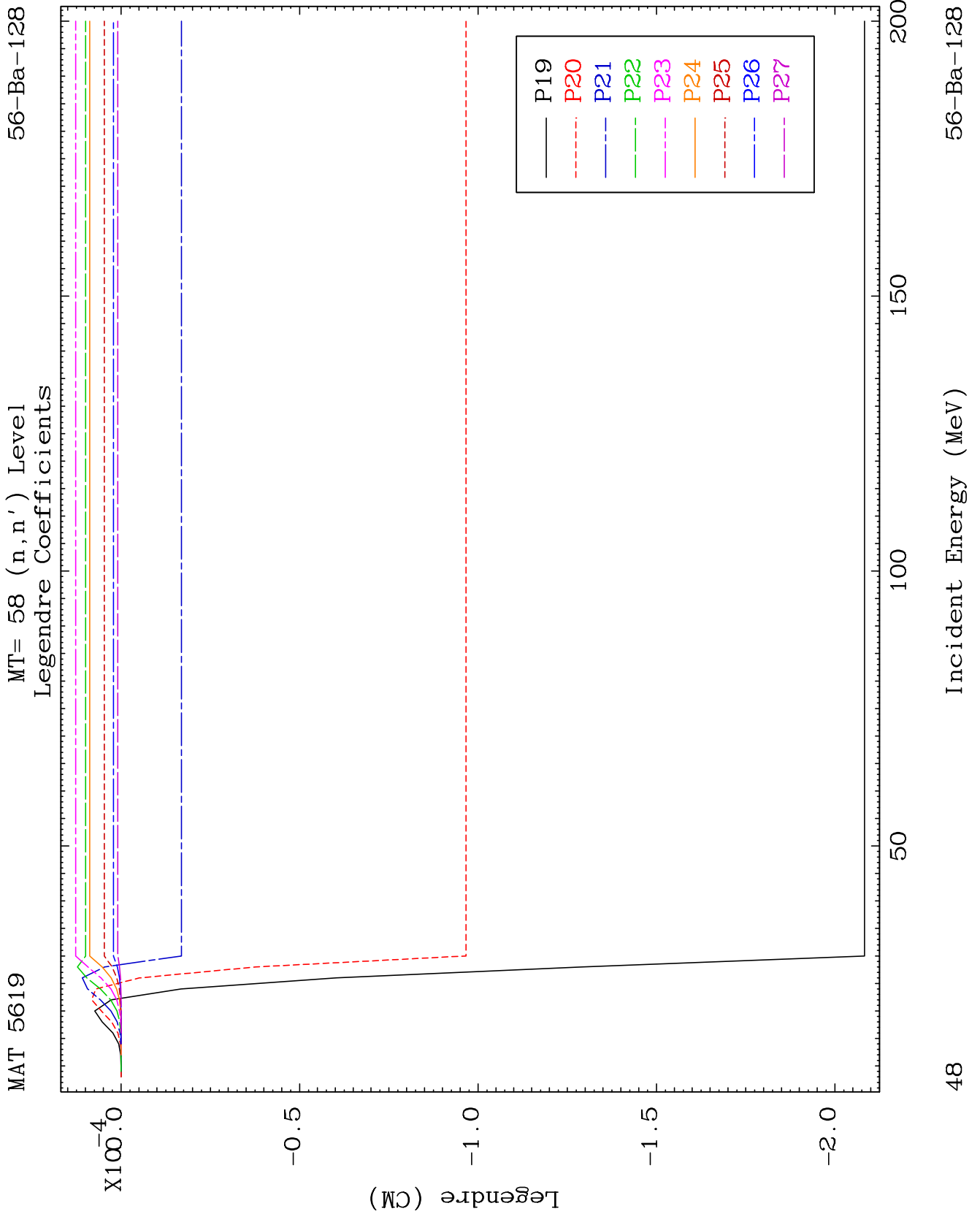
56-Ba-128



47

Incident Energy (MeV)

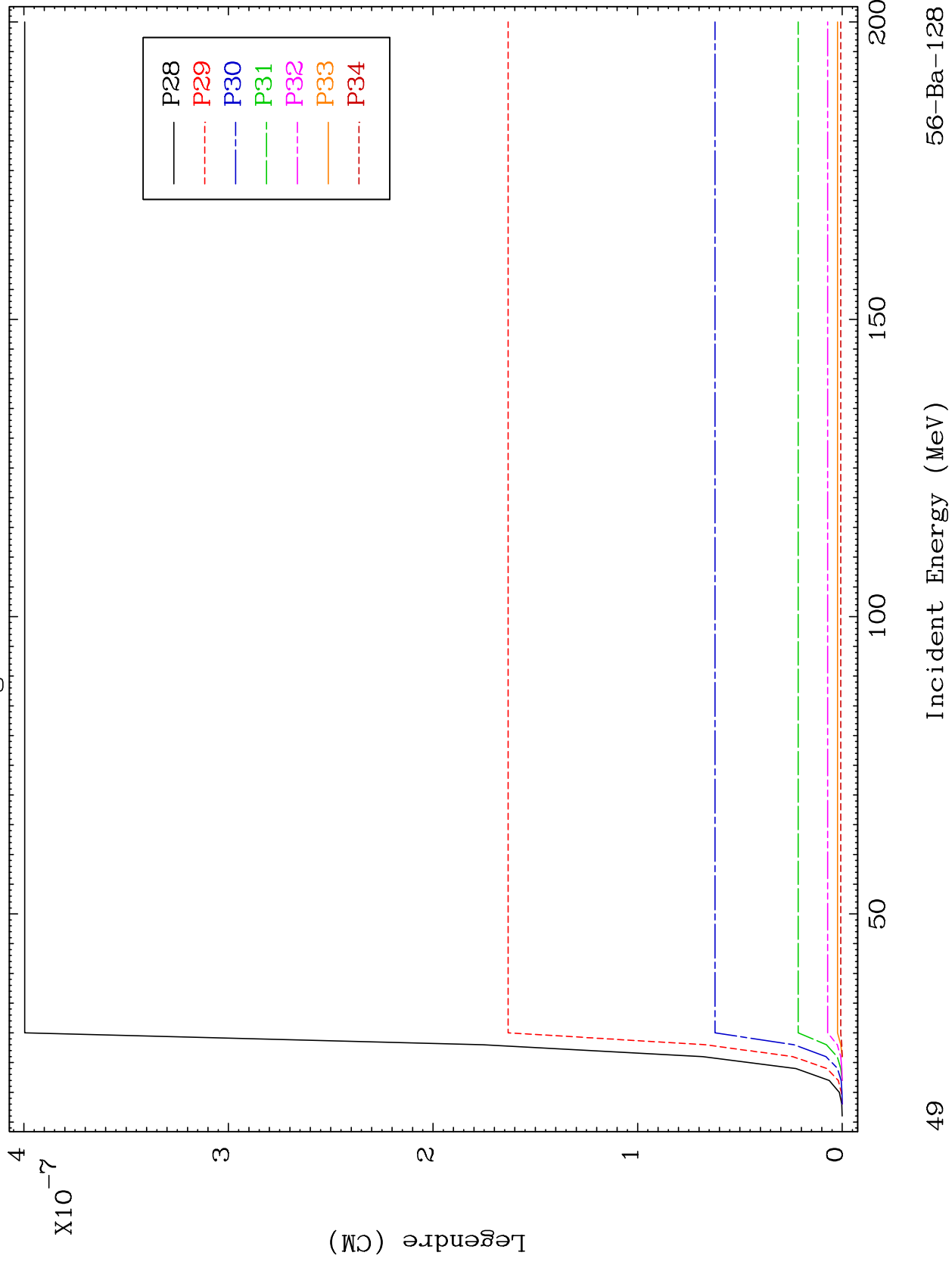
56-Ba-128

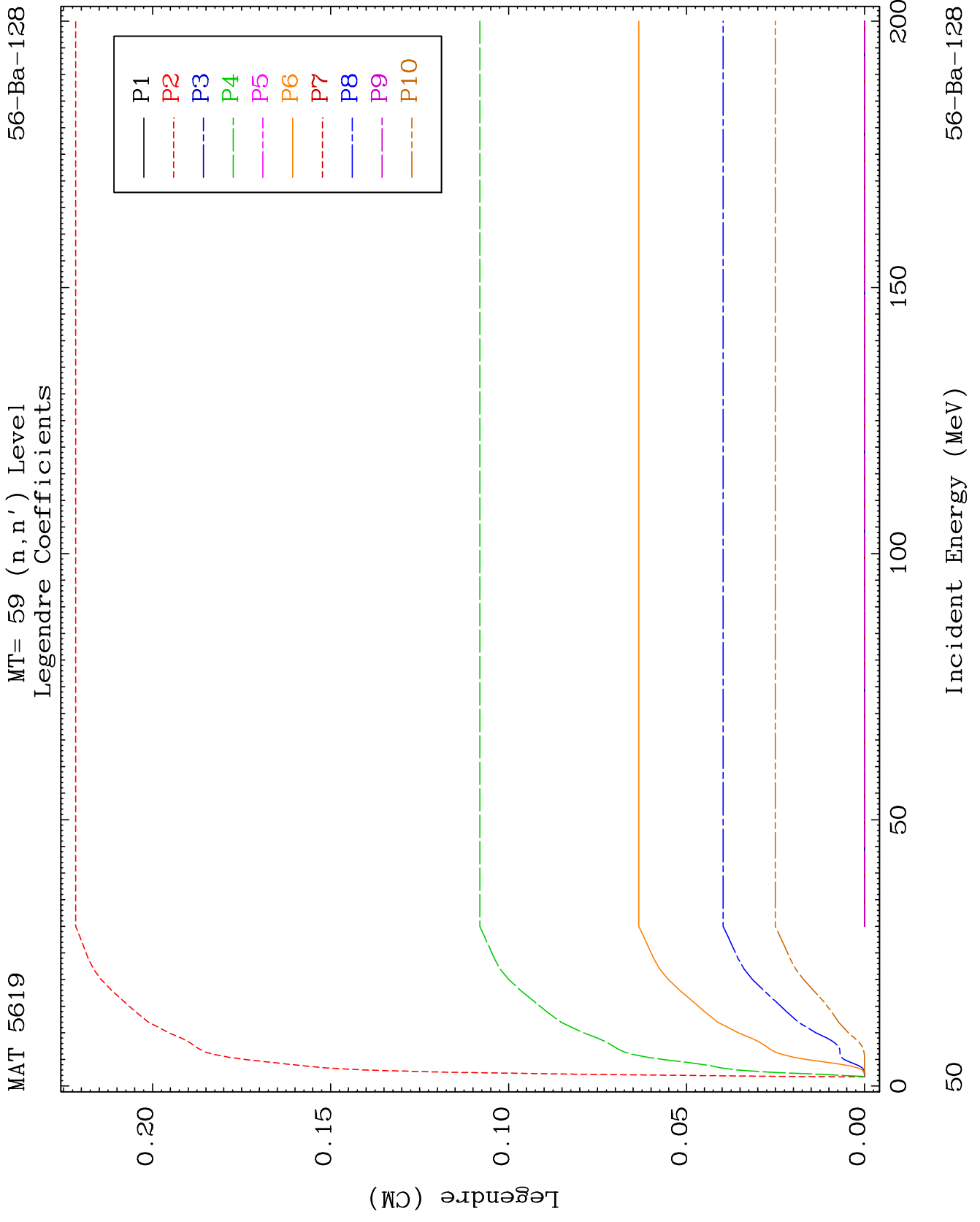


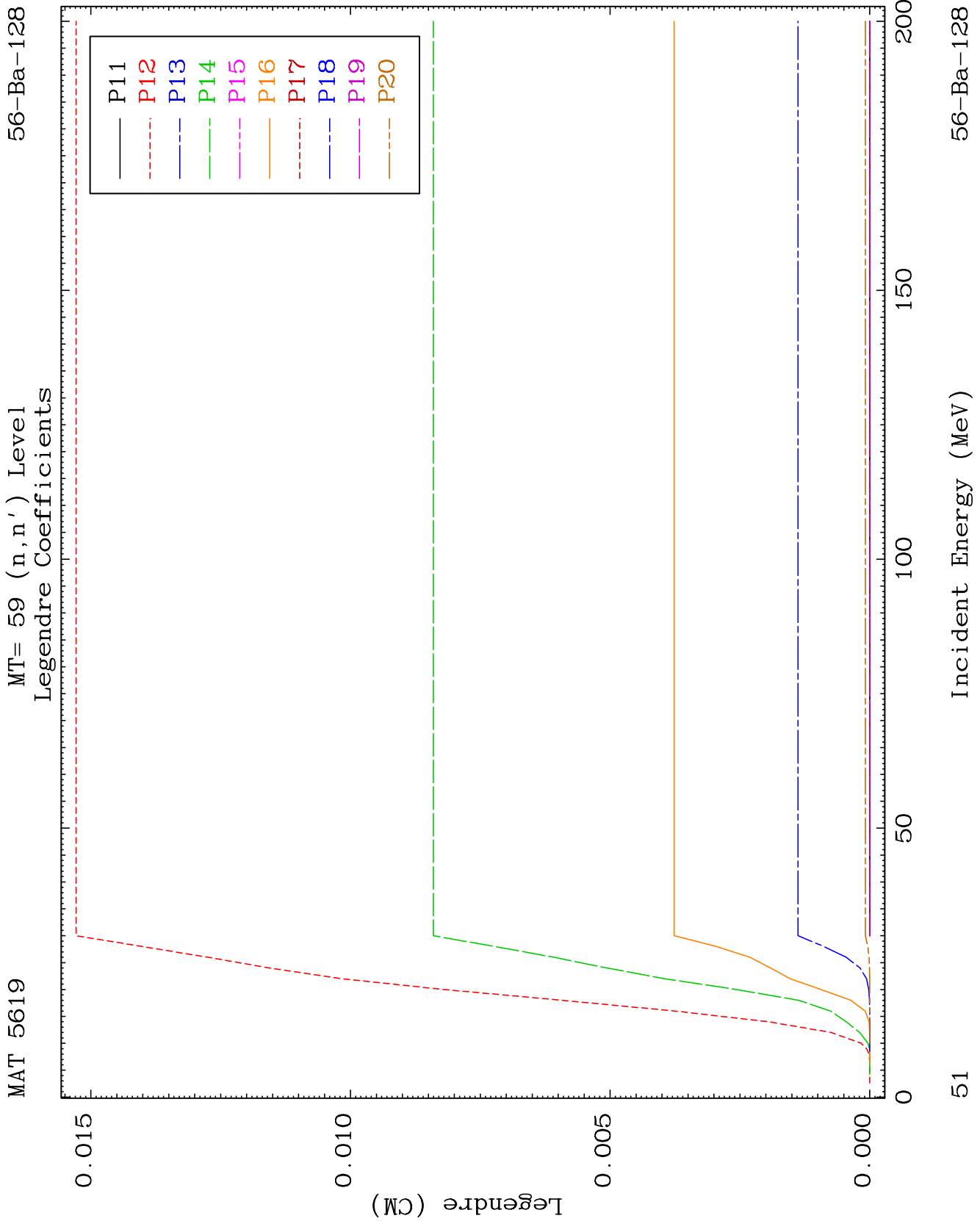
MAT 5619

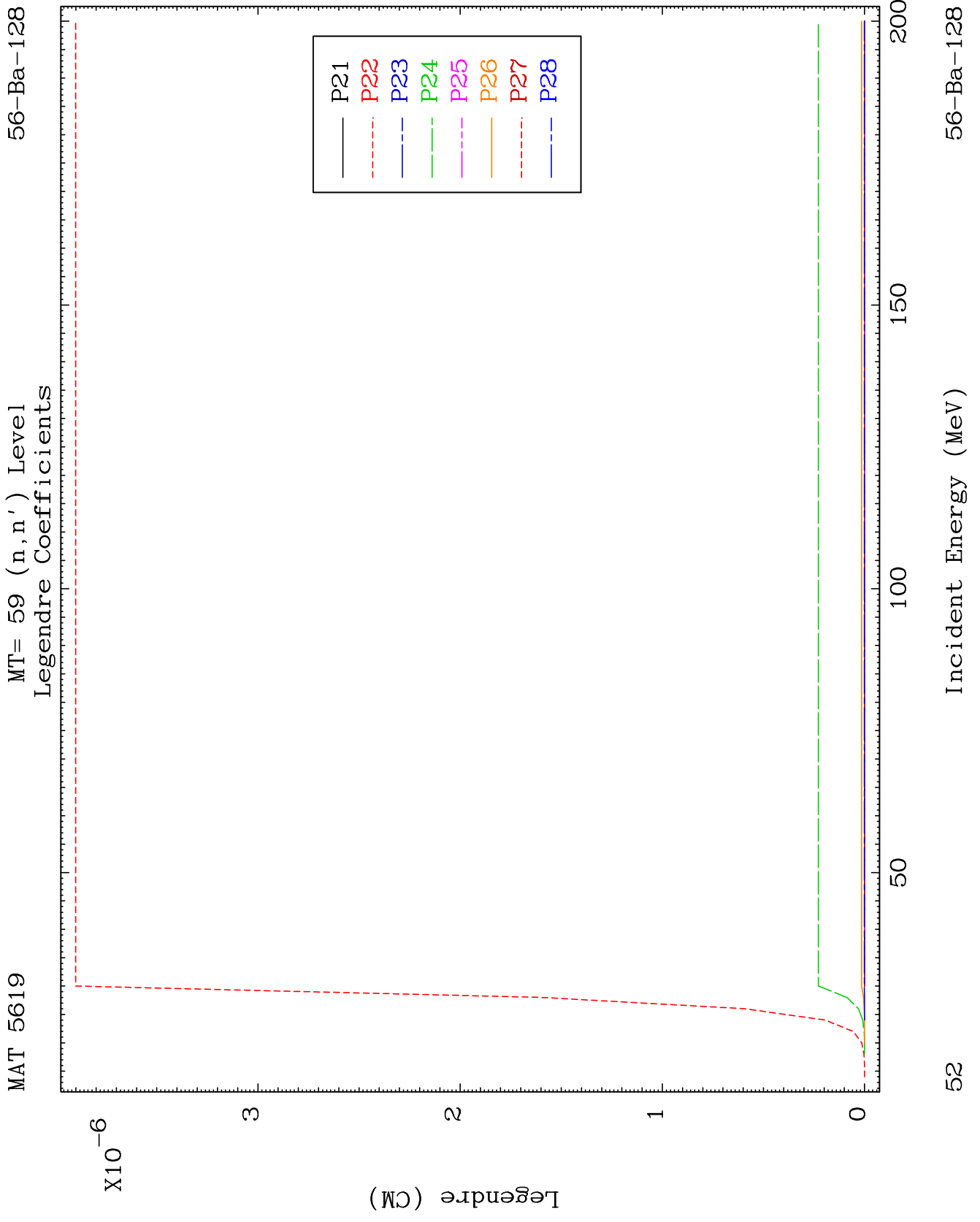
MT= 58 (n,n') Level
Legendre Coefficients

56-Ba-128





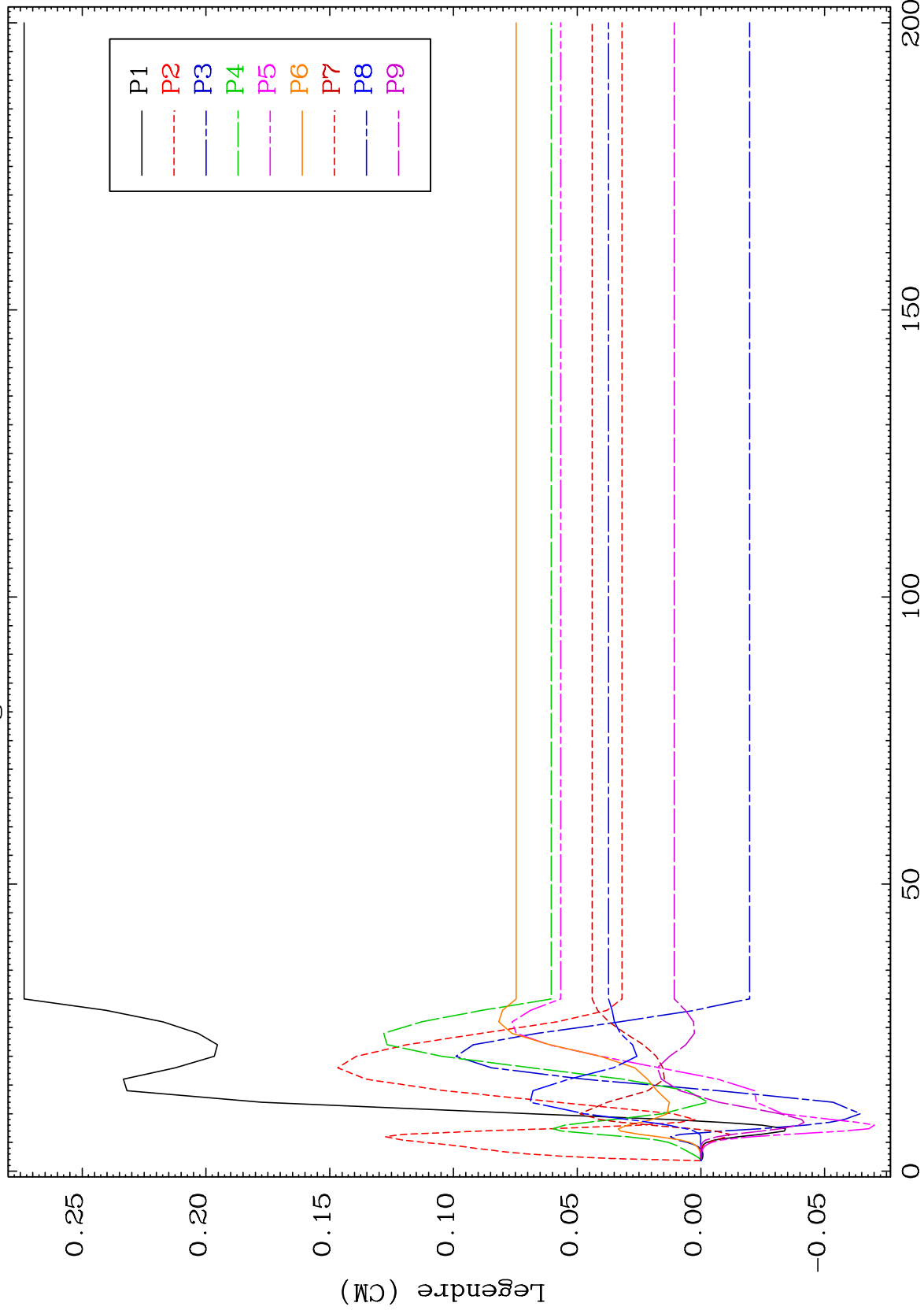




MAT 5619

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

56-Ba-128



53

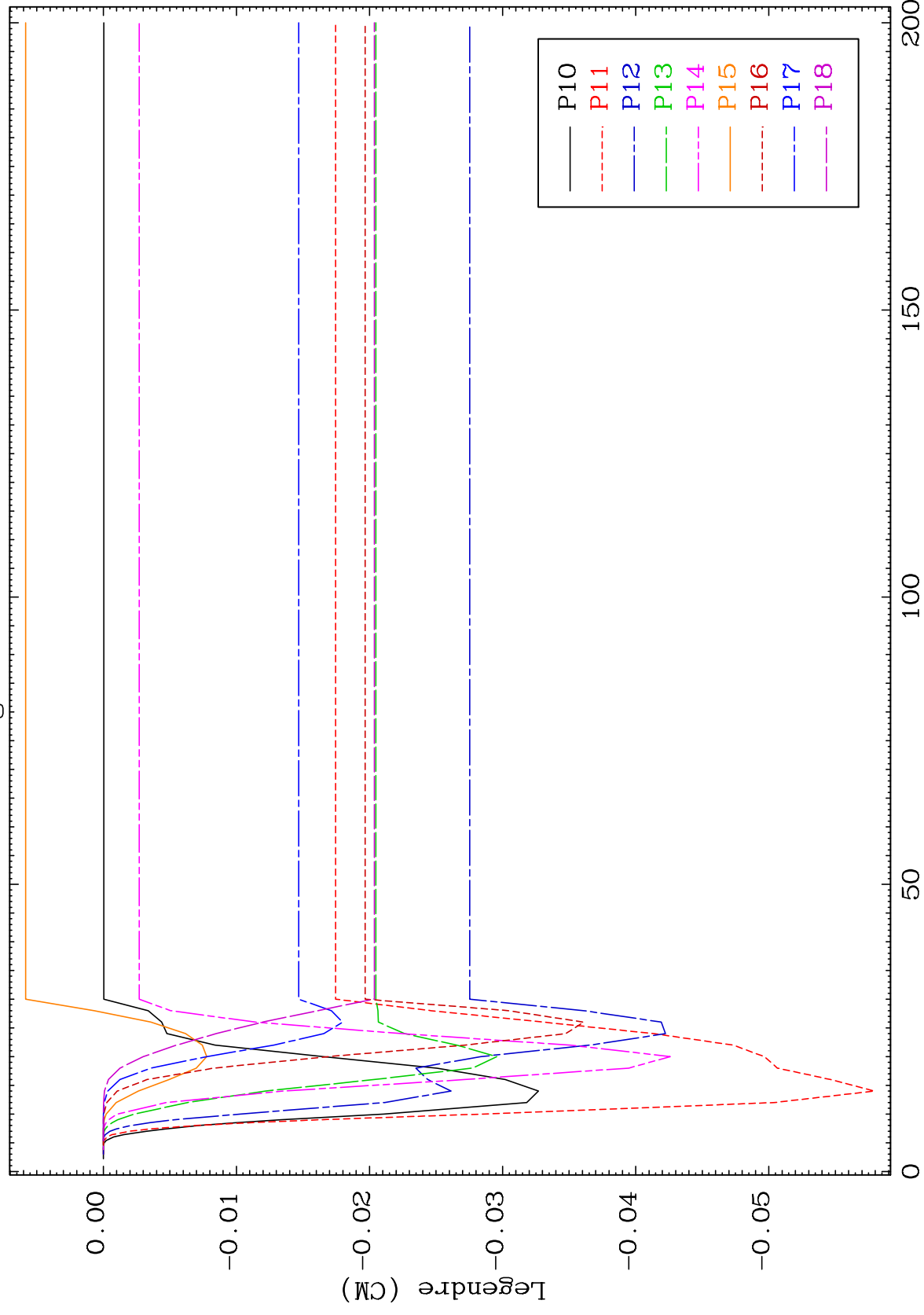
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

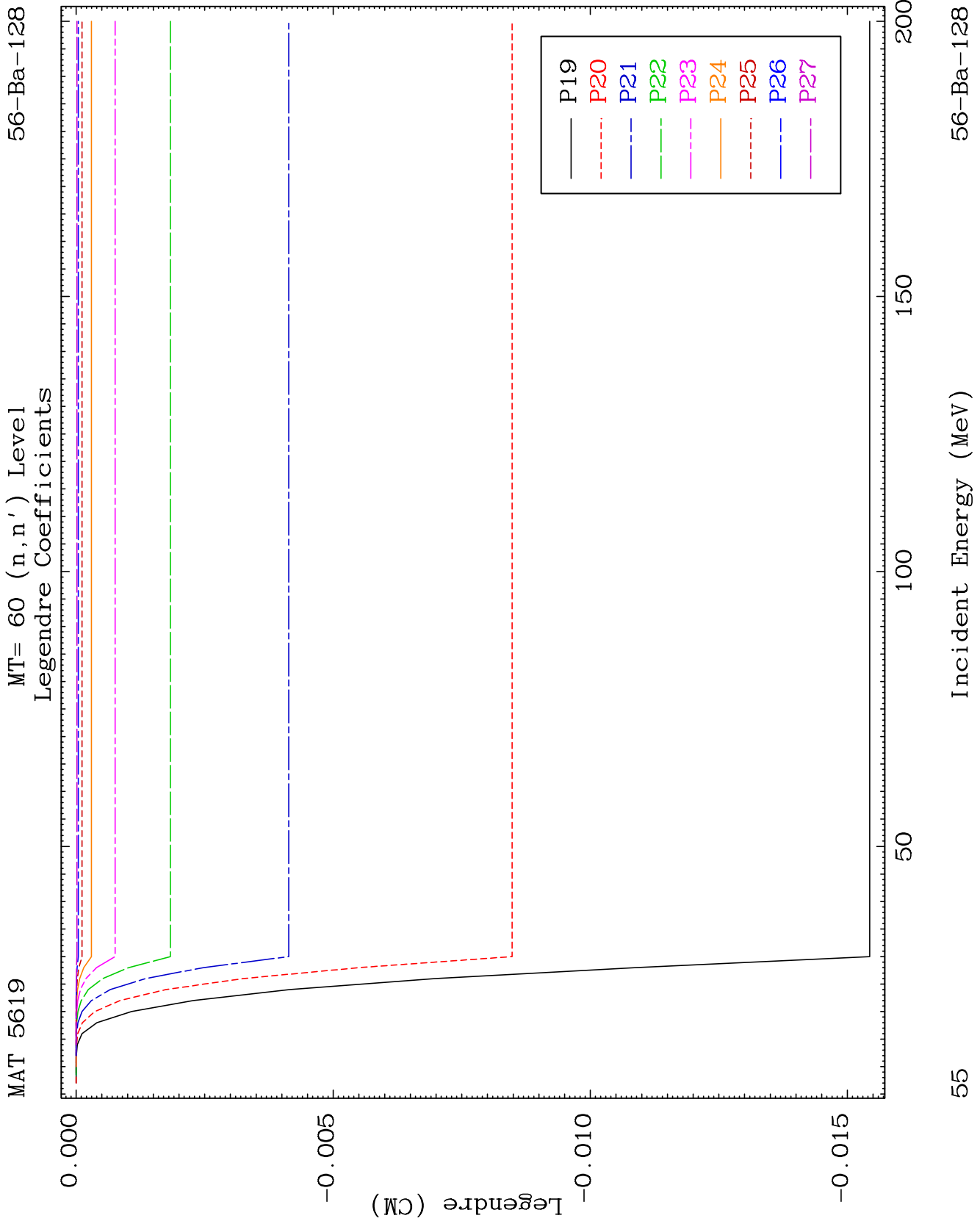
56-Ba-128

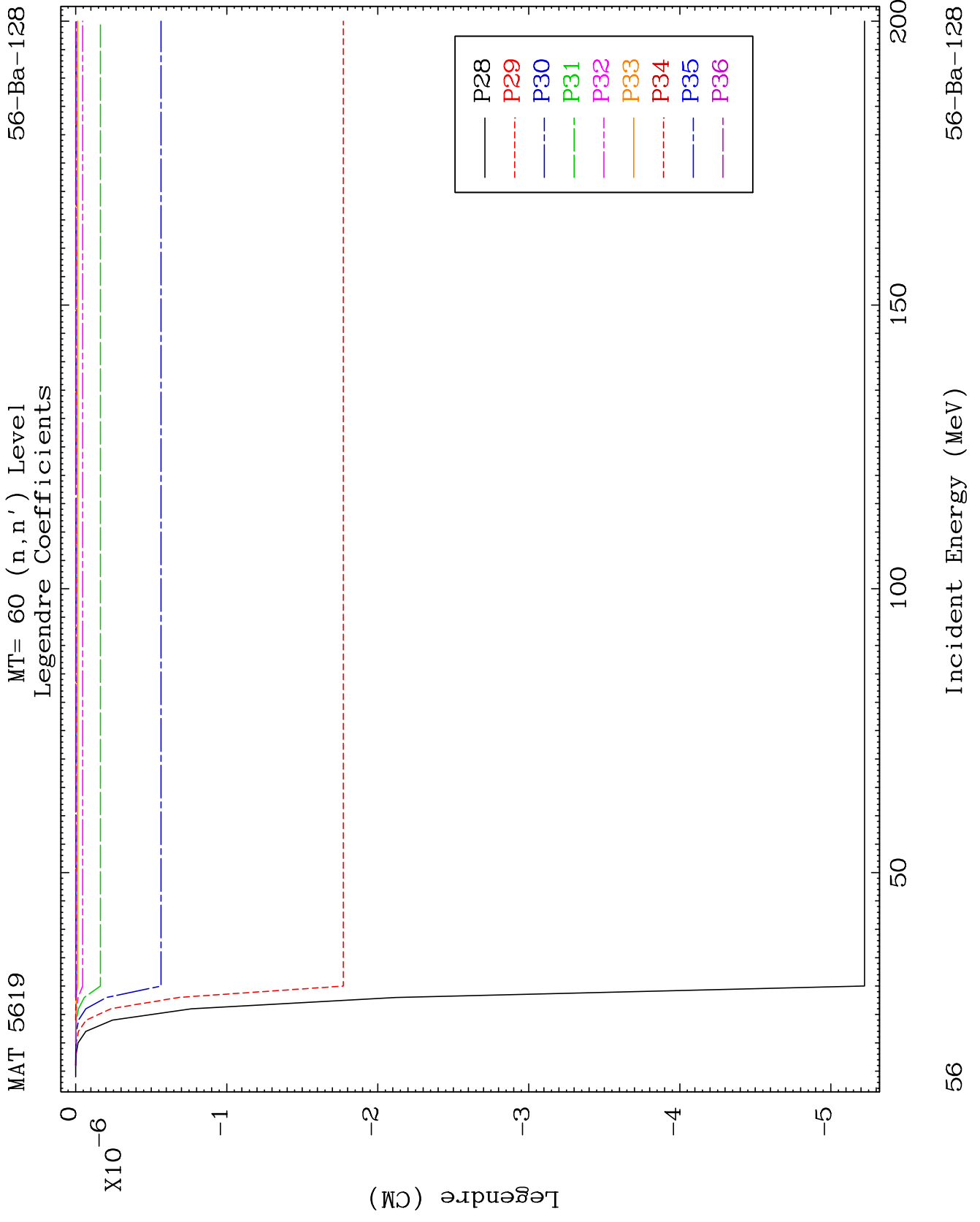


54

Incident Energy (MeV)

56-Ba-128

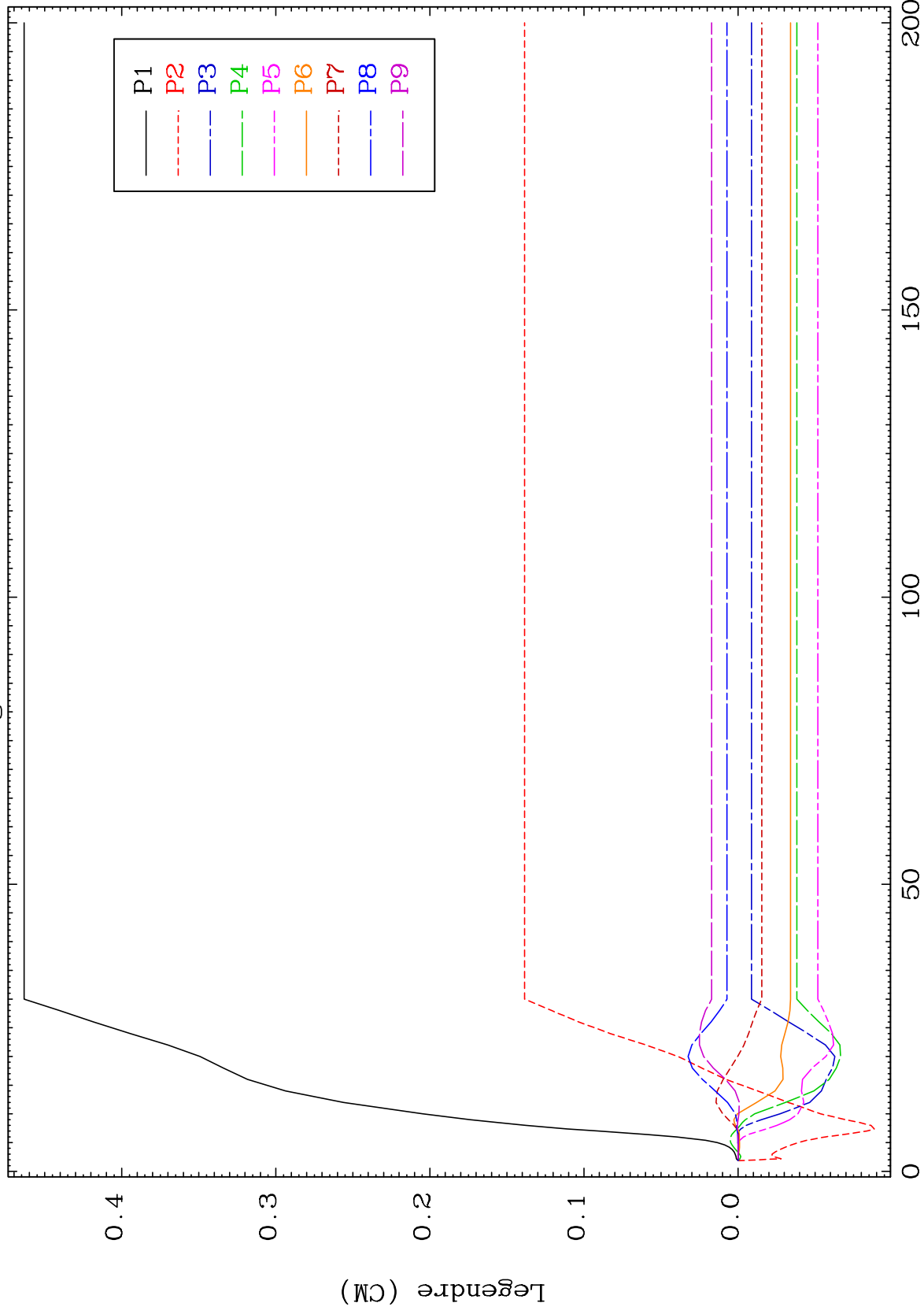




MAT 5619

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

56-Ba-128



57

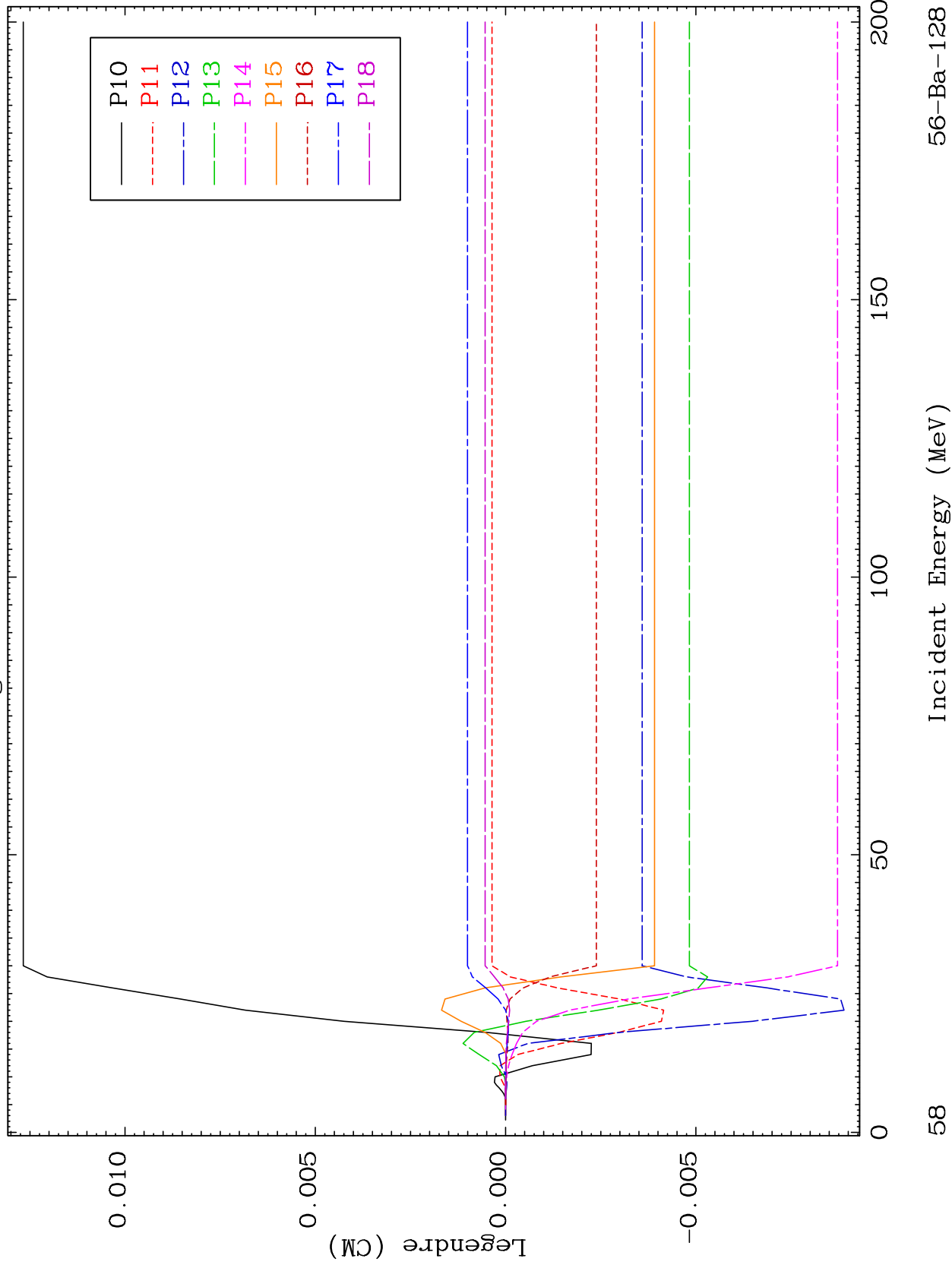
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

56-Ba-128



56-Ba-128

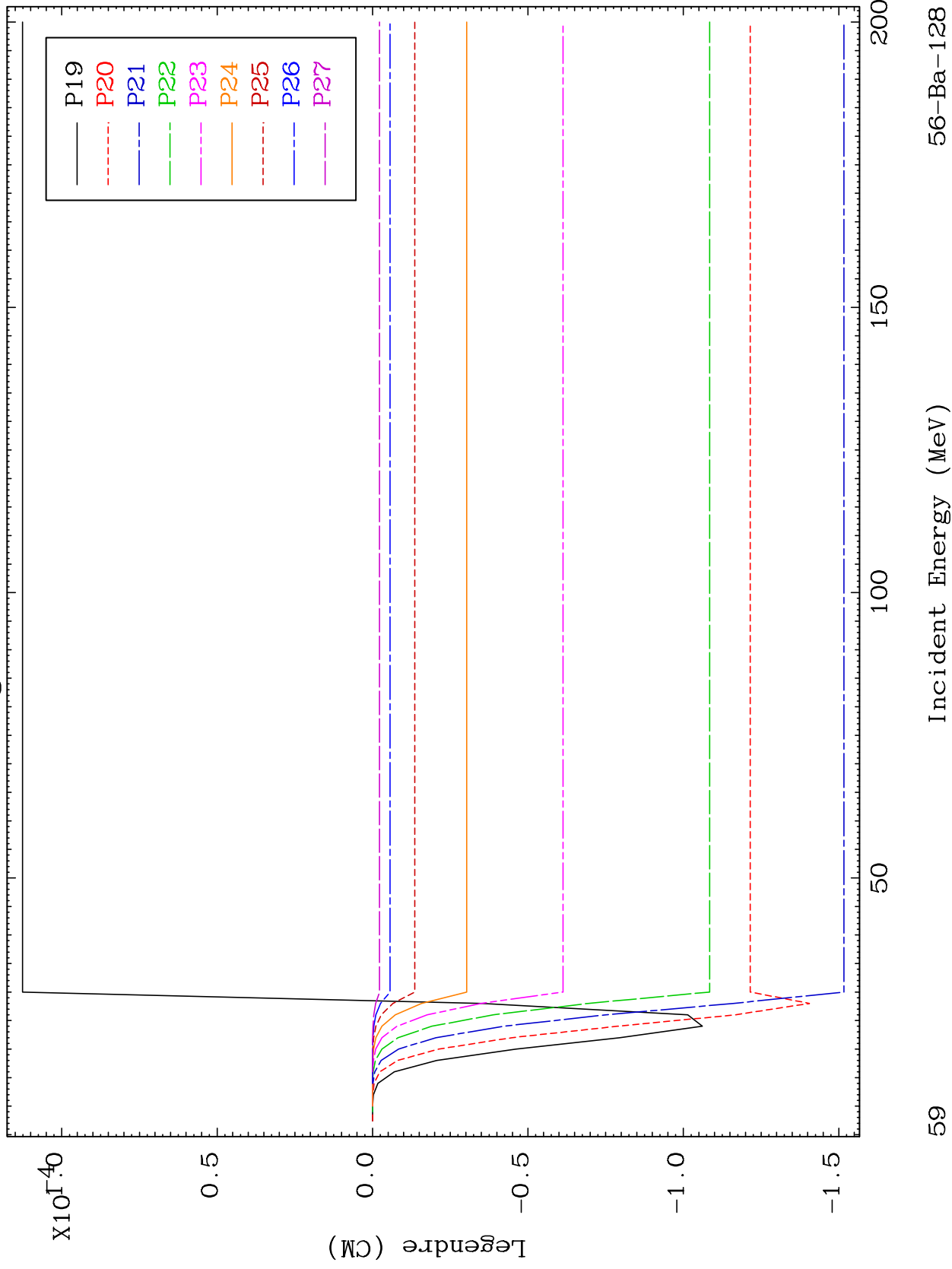
Incident Energy (MeV)

58

MAT 5619

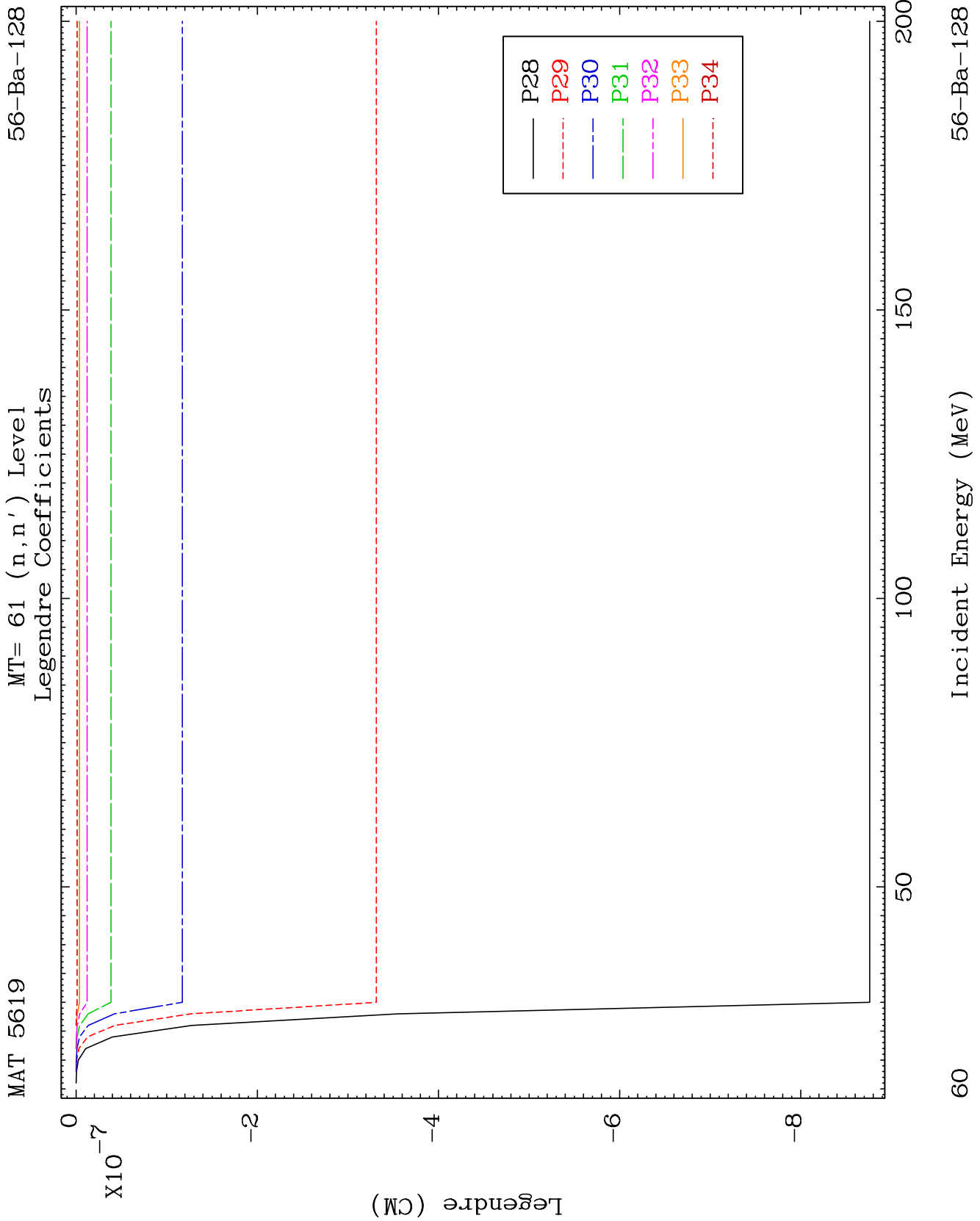
MT= 61 (n,n') Level
Legendre Coefficients

56-Ba-128



59

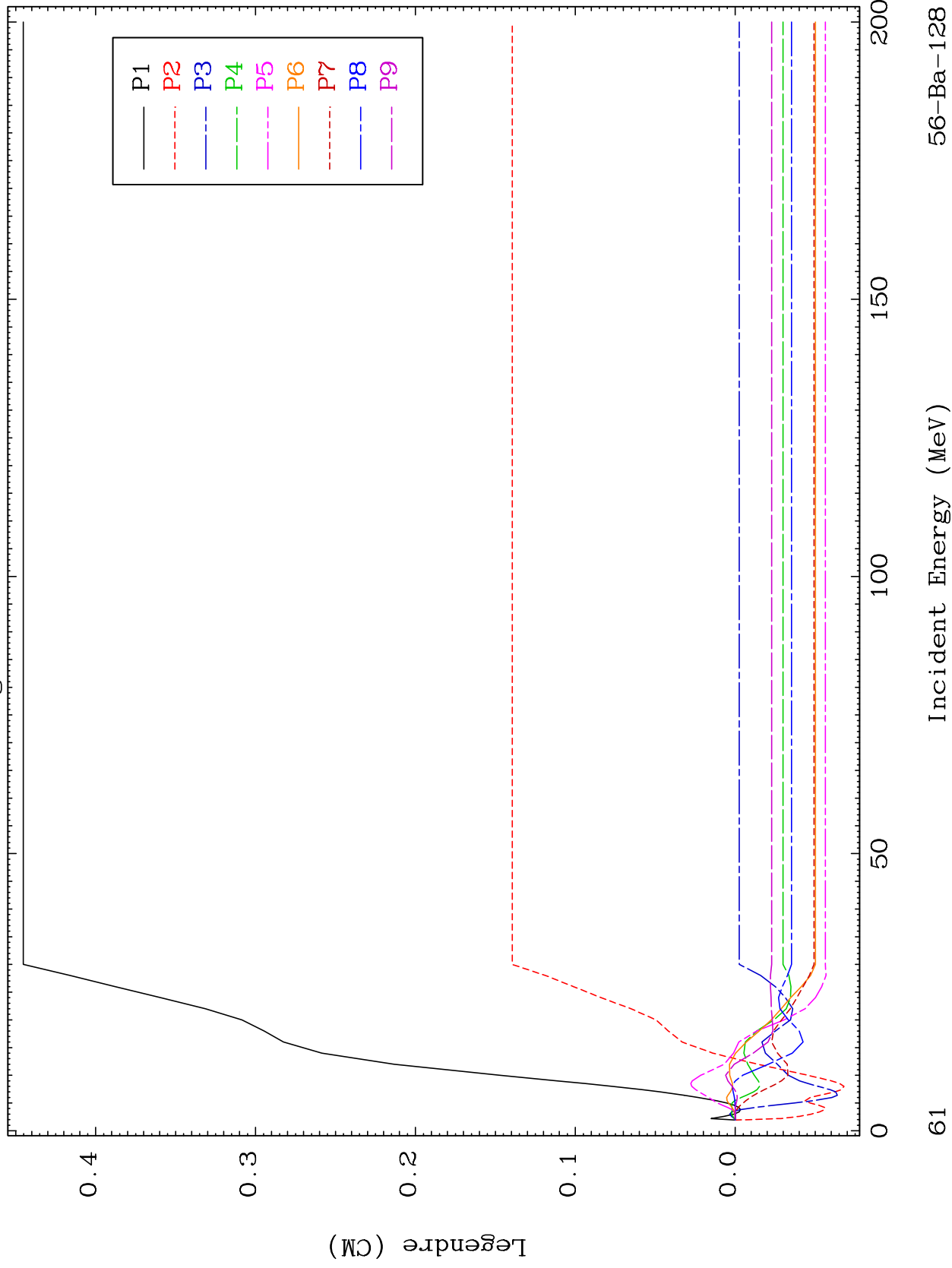
56-Ba-128



MAT 5619

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

56-Ba-128



56-Ba-128

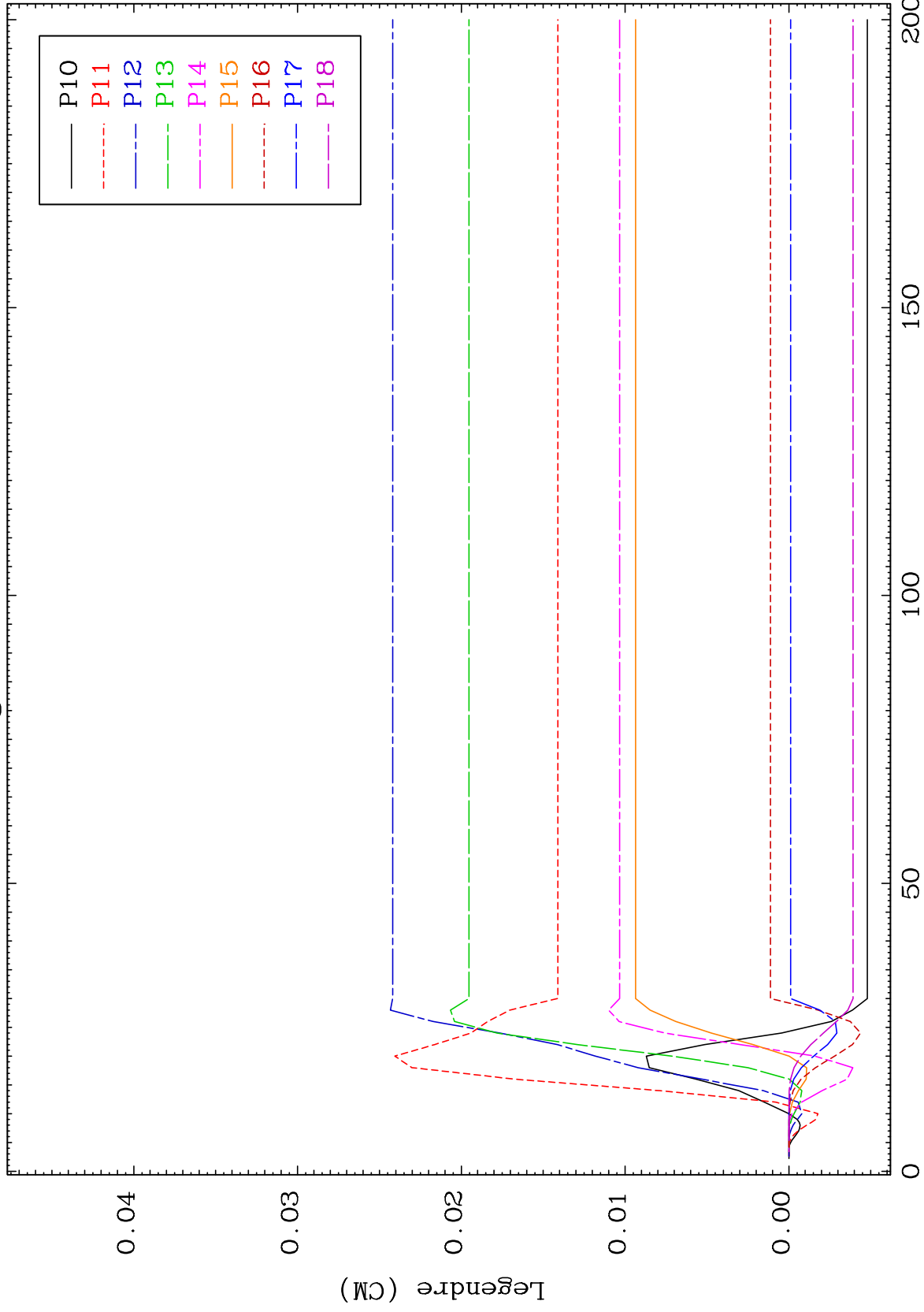
Incident Energy (MeV)

61

MAT 5619

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

56-Ba-128



56-Ba-128

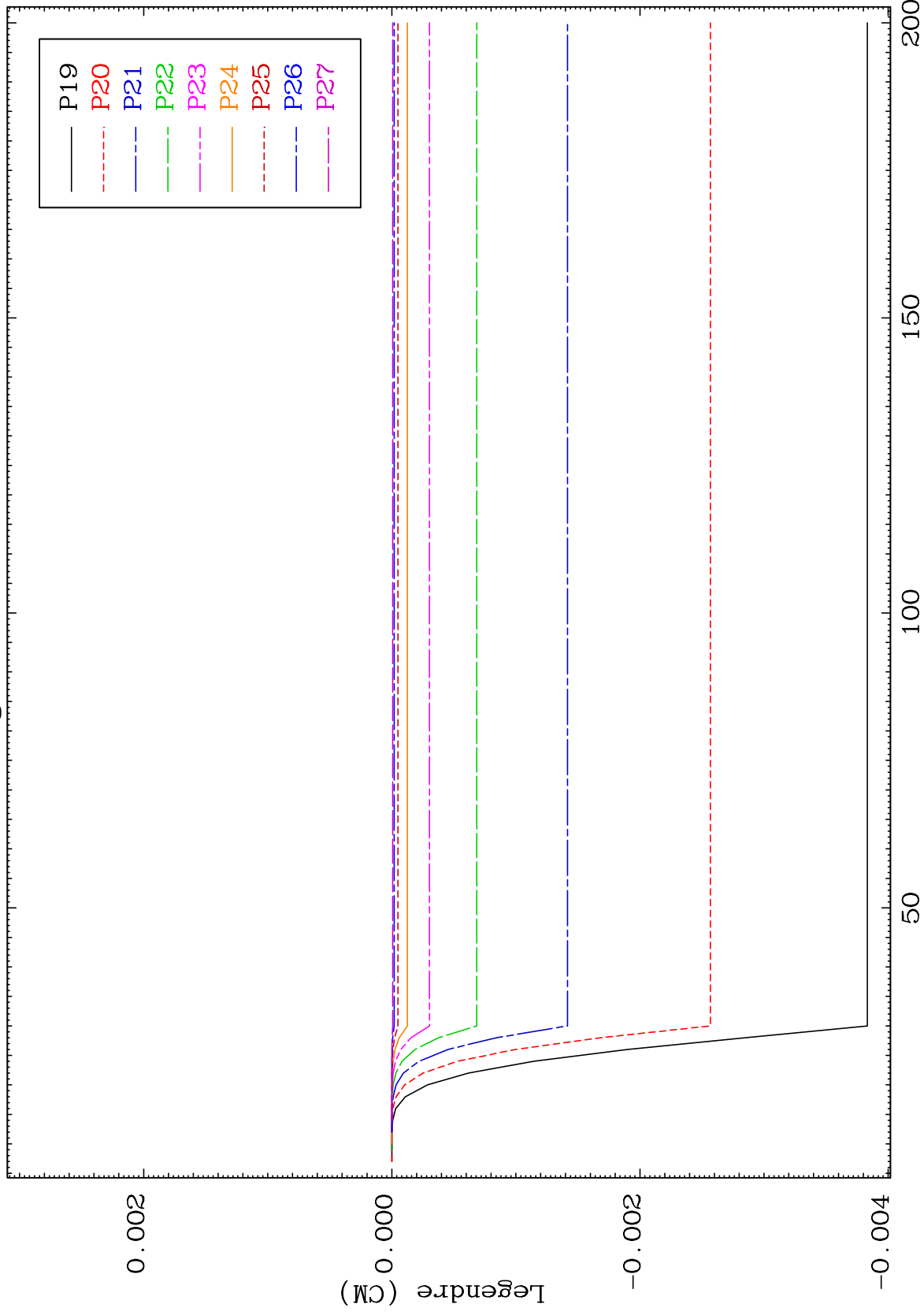
Incident Energy (MeV)

62

MAT 5619

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

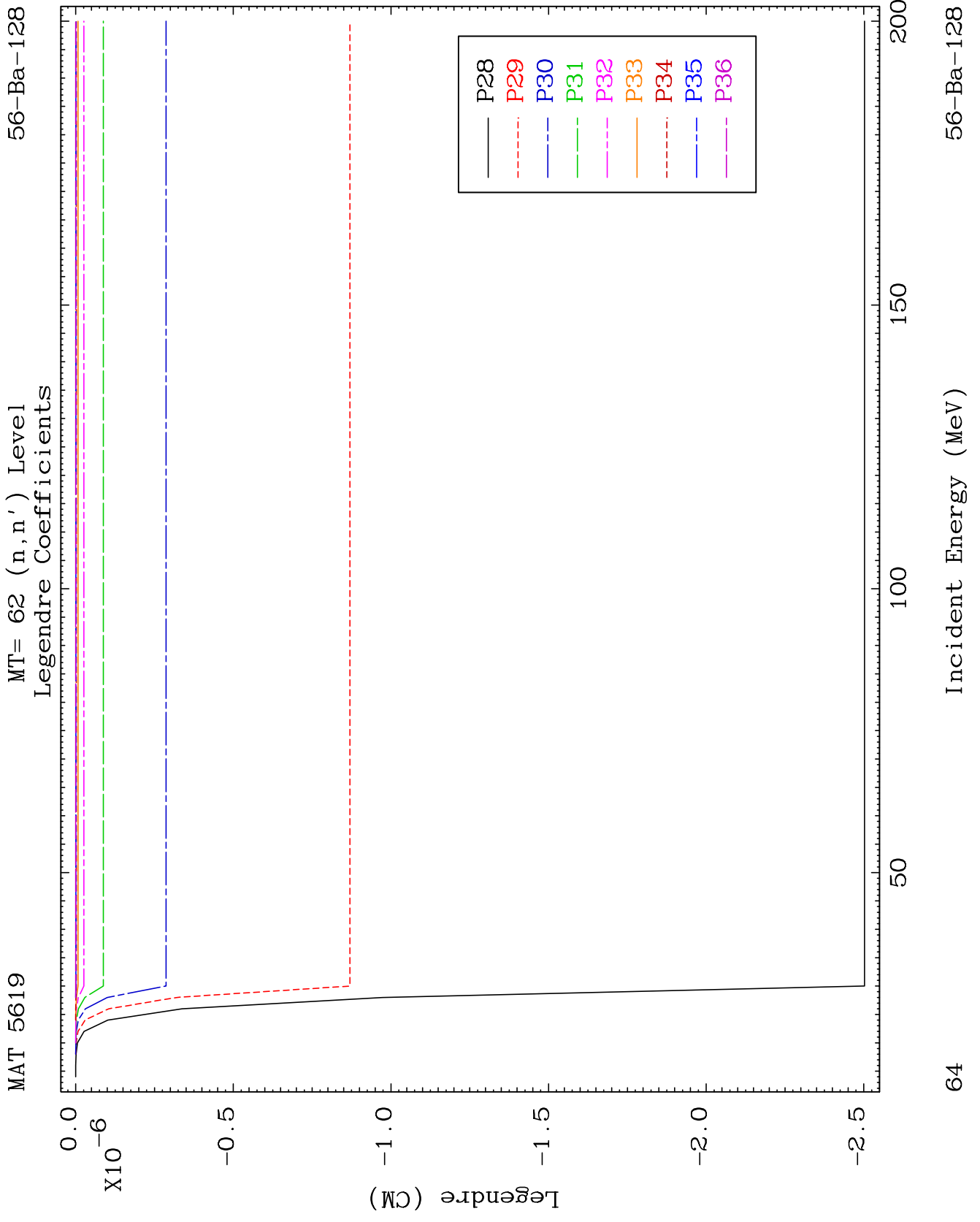
56-Ba-128

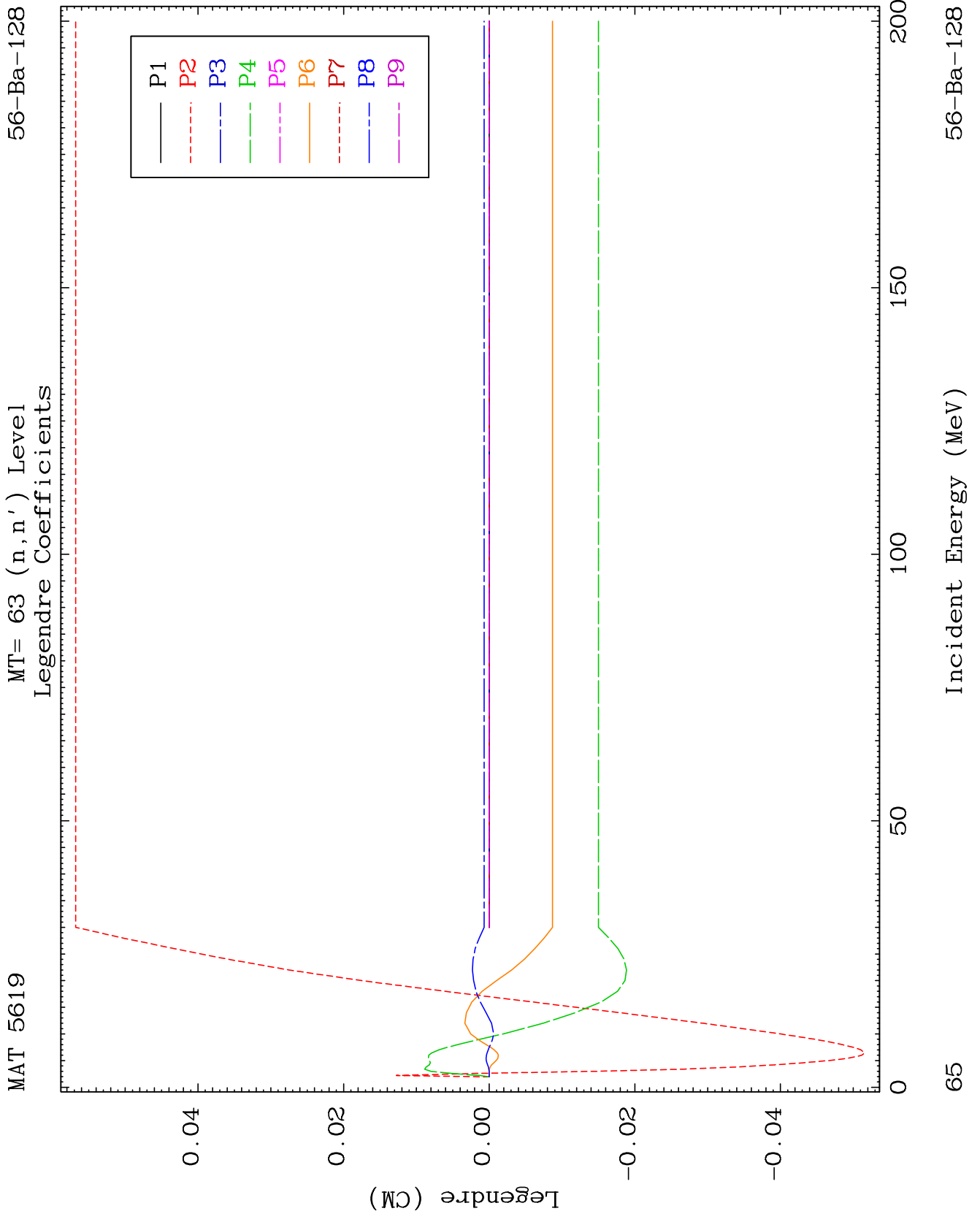


63

Incident Energy (MeV)

56-Ba-128

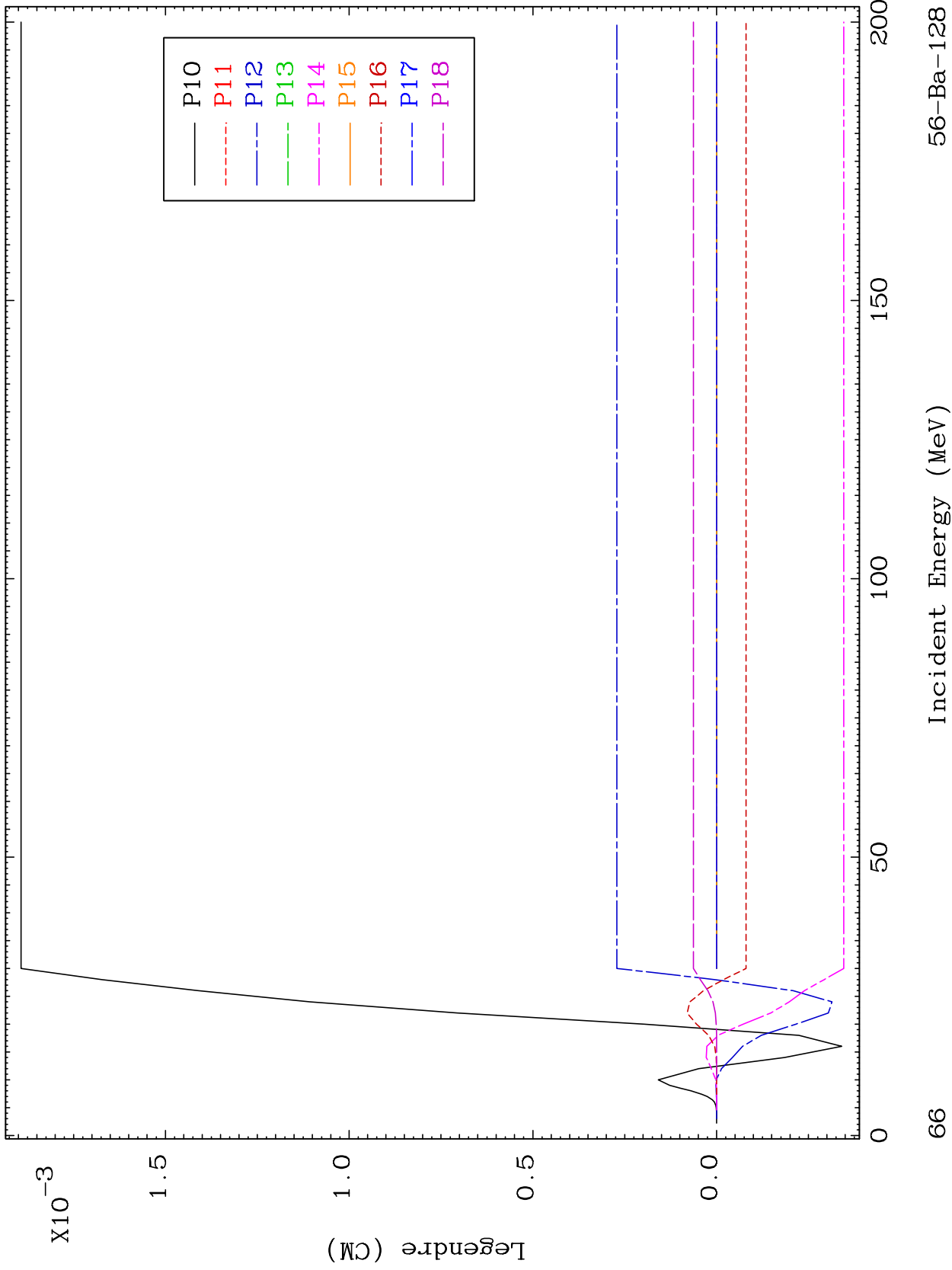




MAT 5619

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

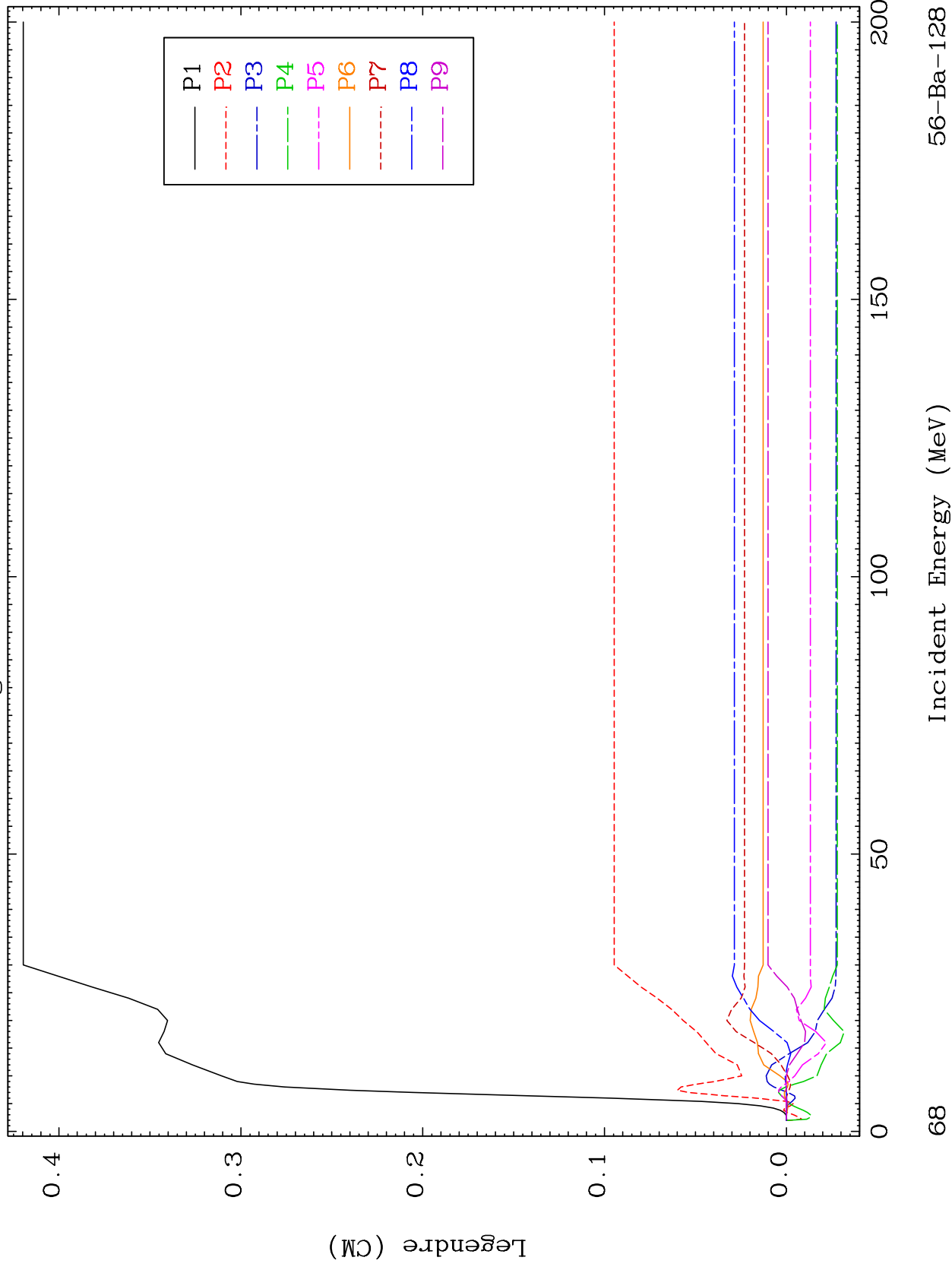
56-Ba-128



MAT 5619

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

56-Ba-128



56-Ba-128

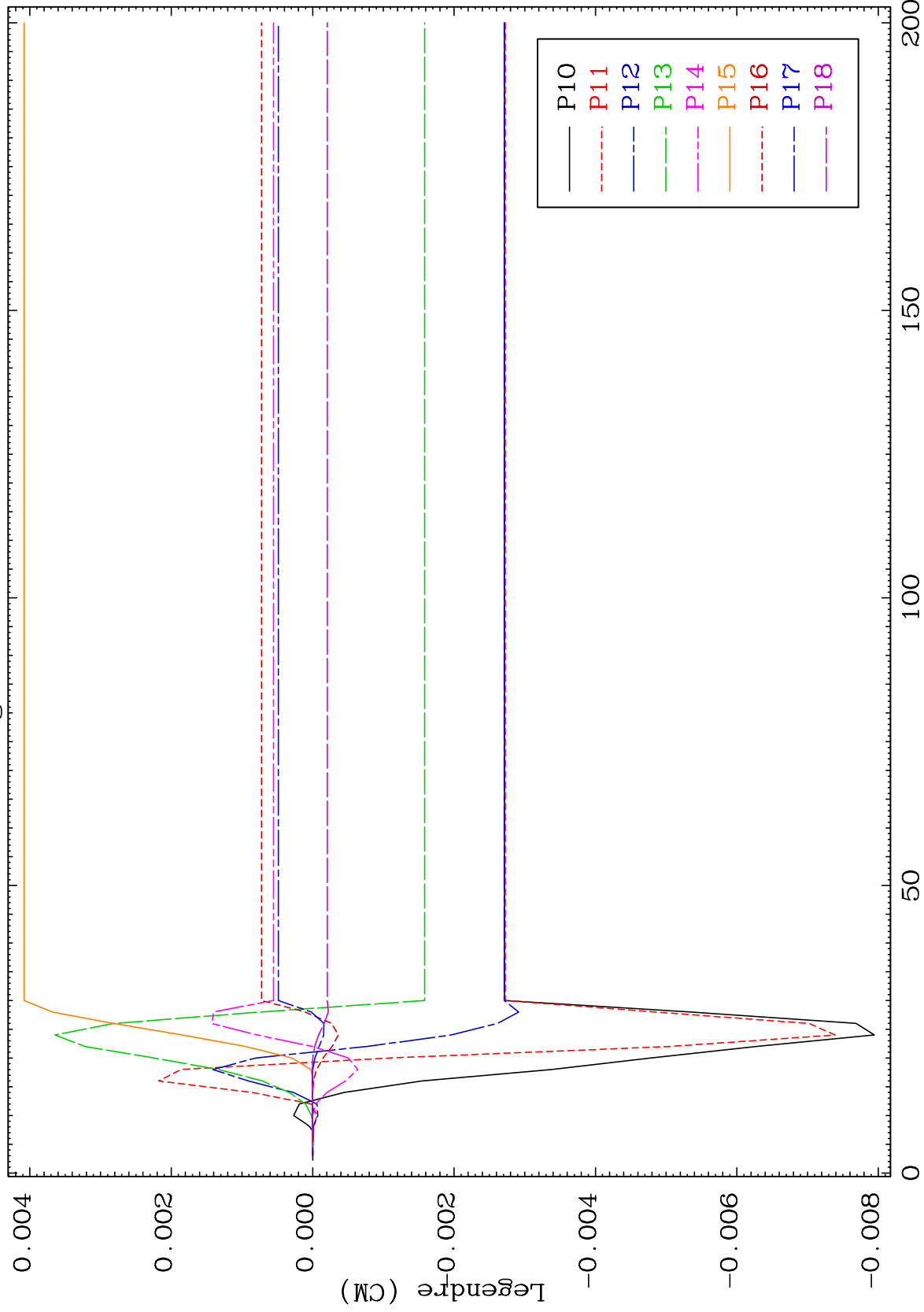
Incident Energy (MeV)

68

MAT 5619

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

56-Ba-128



69

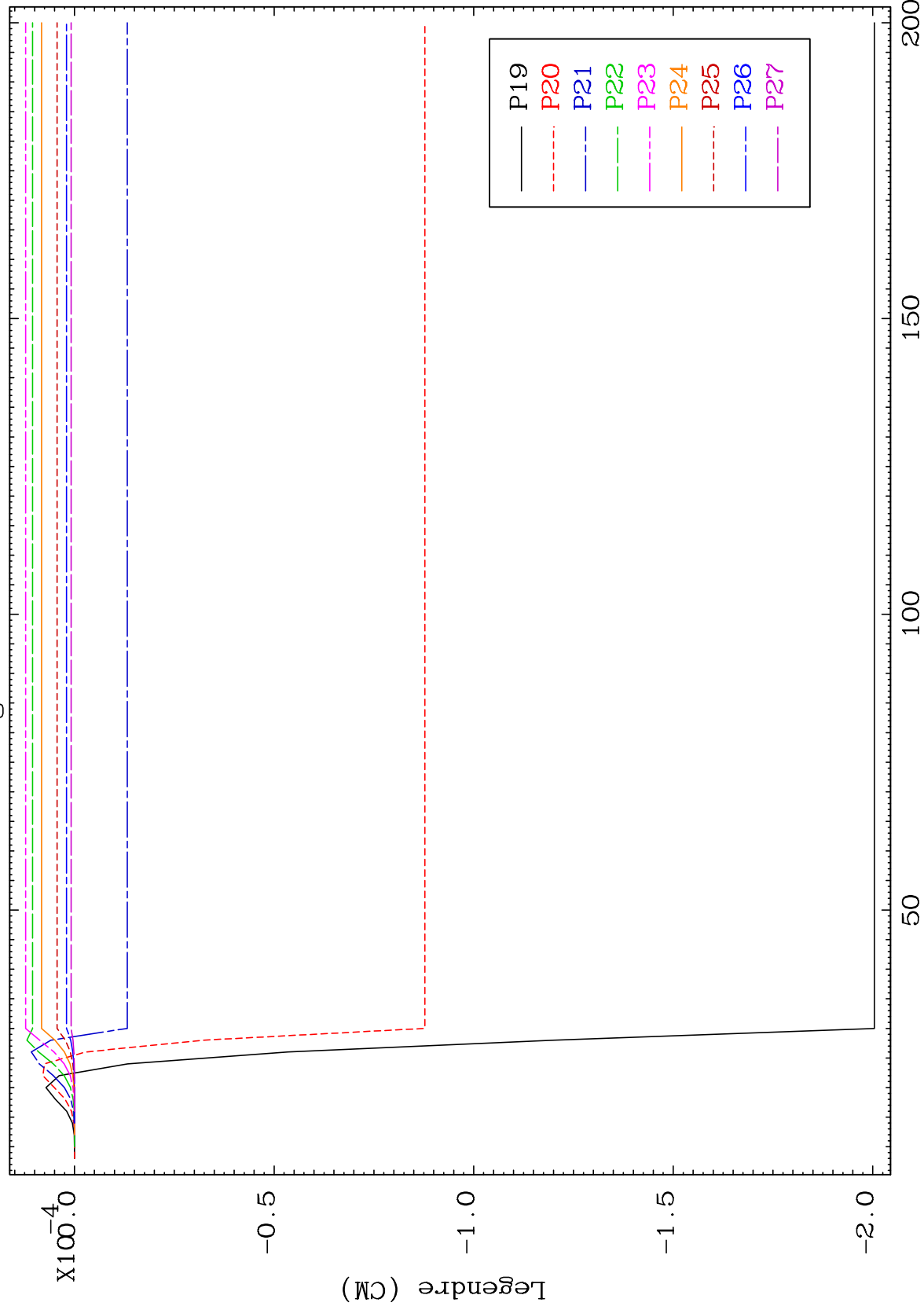
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

56-Ba-128



56-Ba-128

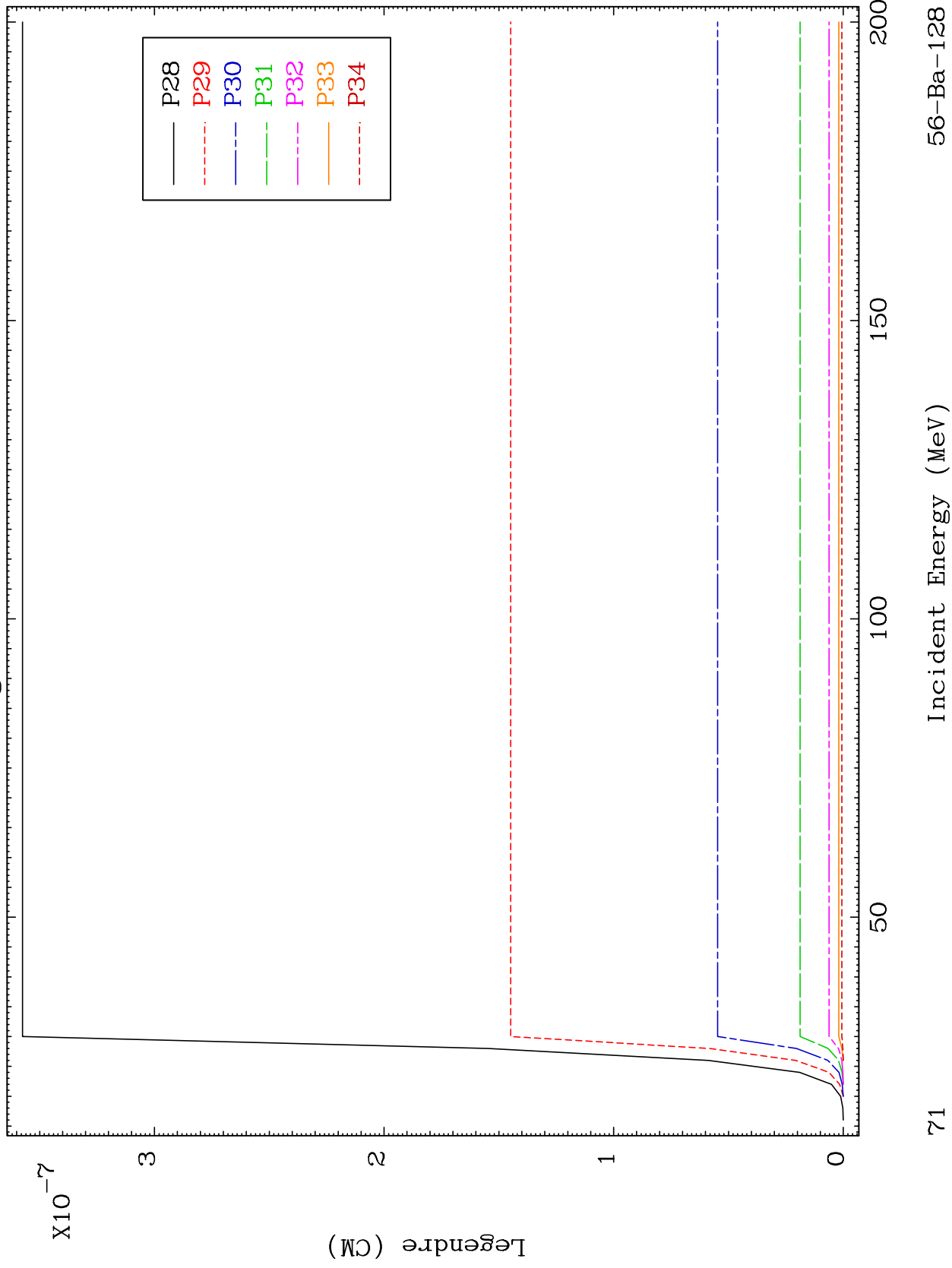
Incident Energy (MeV)

70

MAT 5619

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

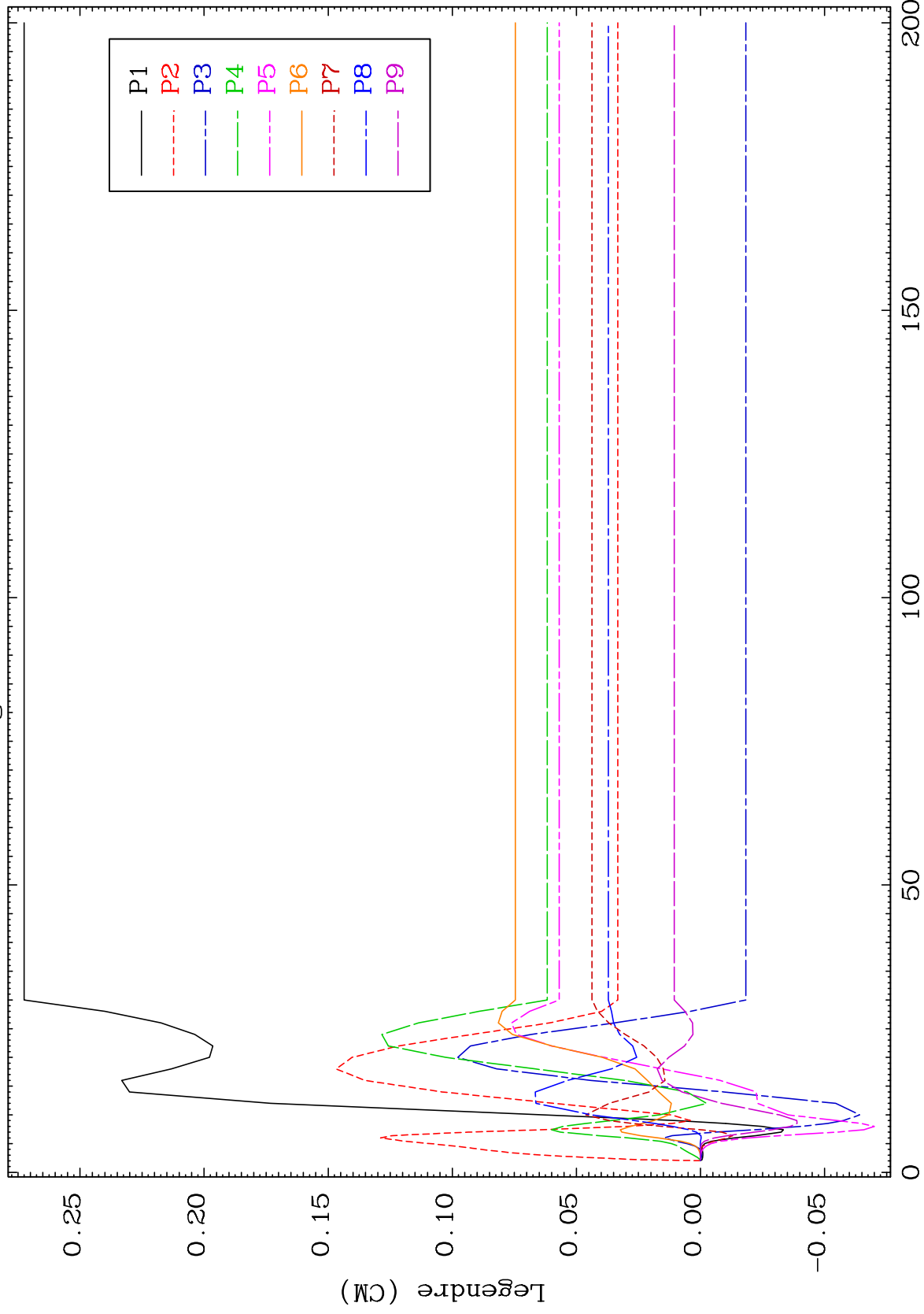
56-Ba-128



MAT 5619

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

56-Ba-128



72

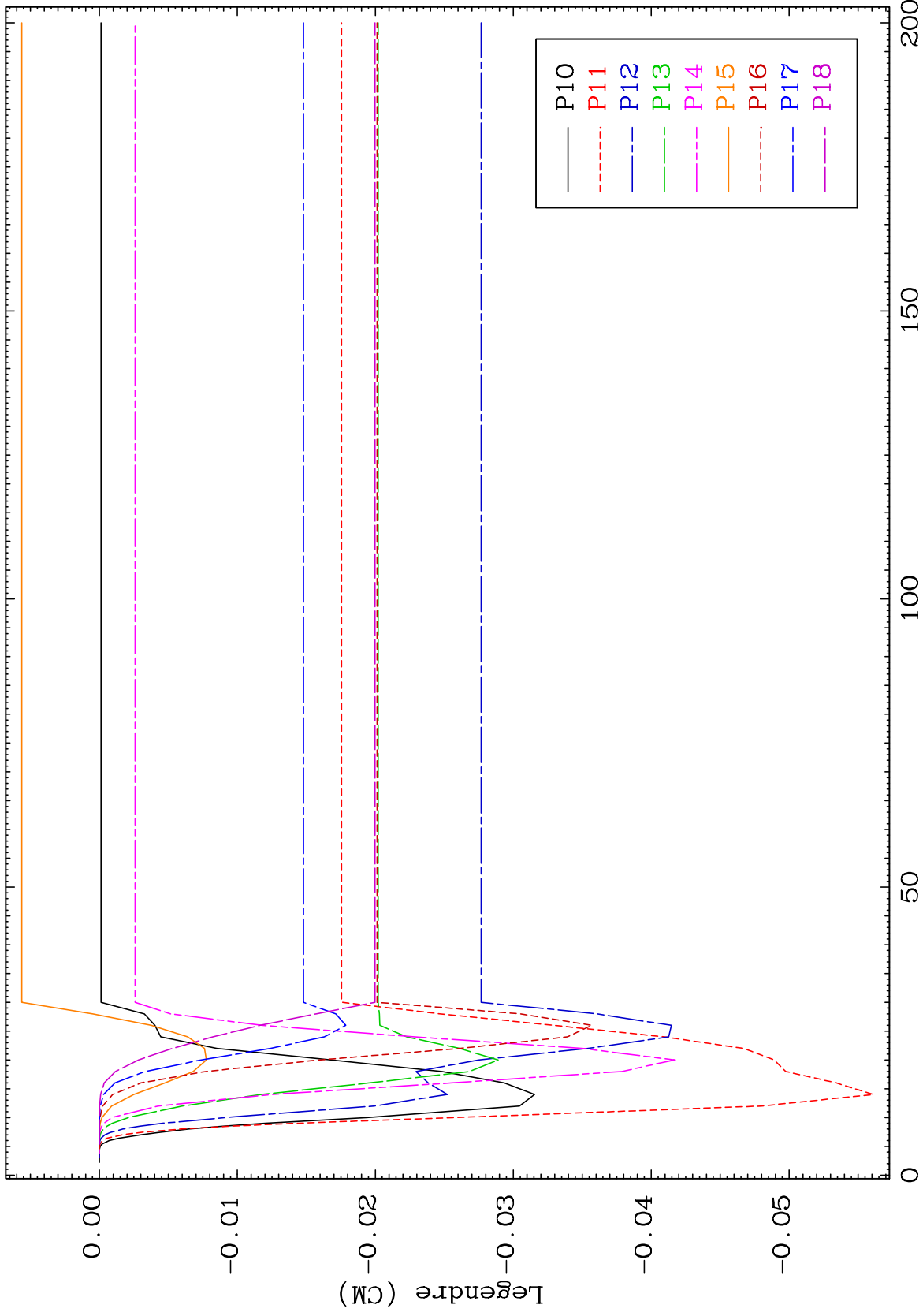
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

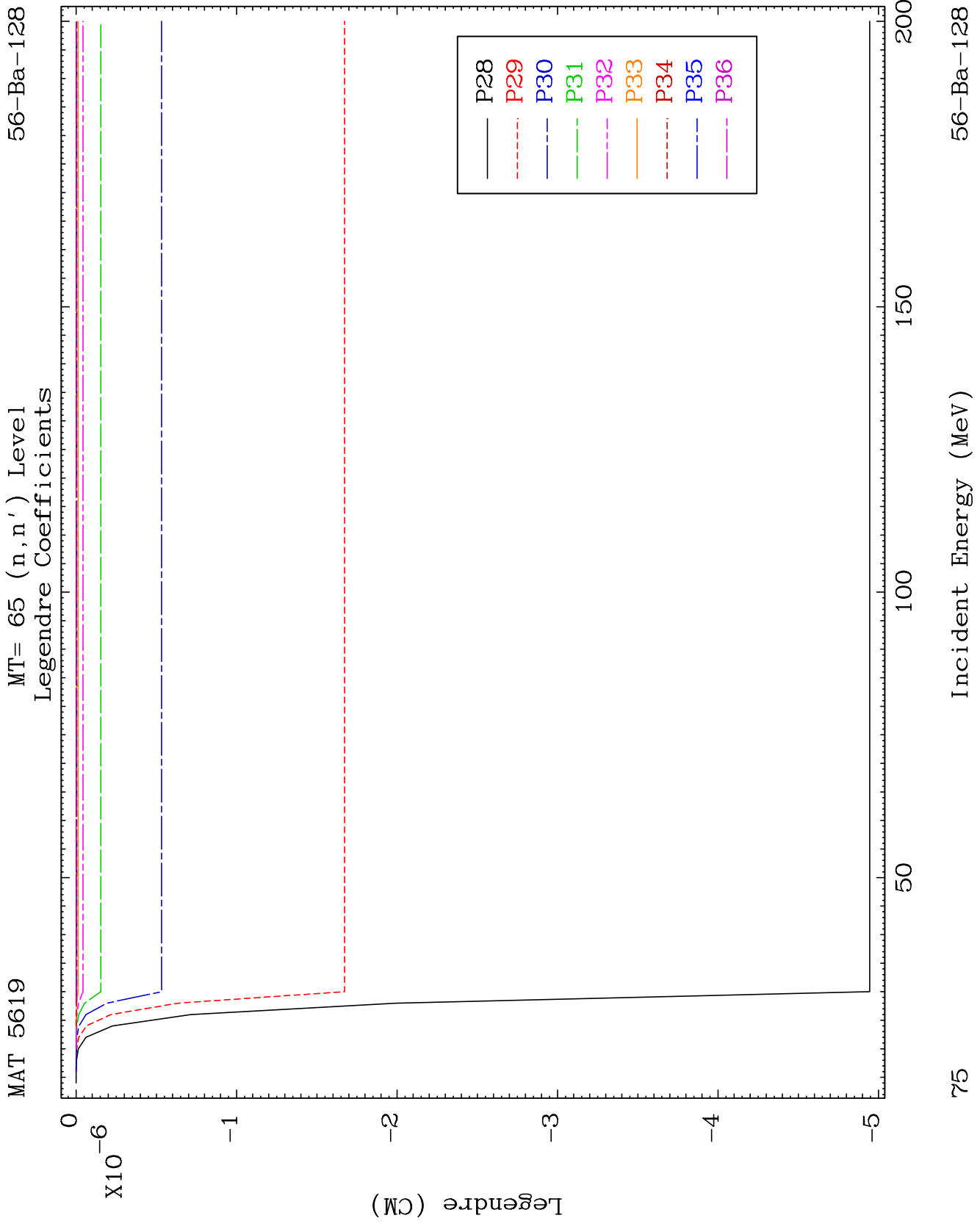
56-Ba-128



73

Incident Energy (MeV)

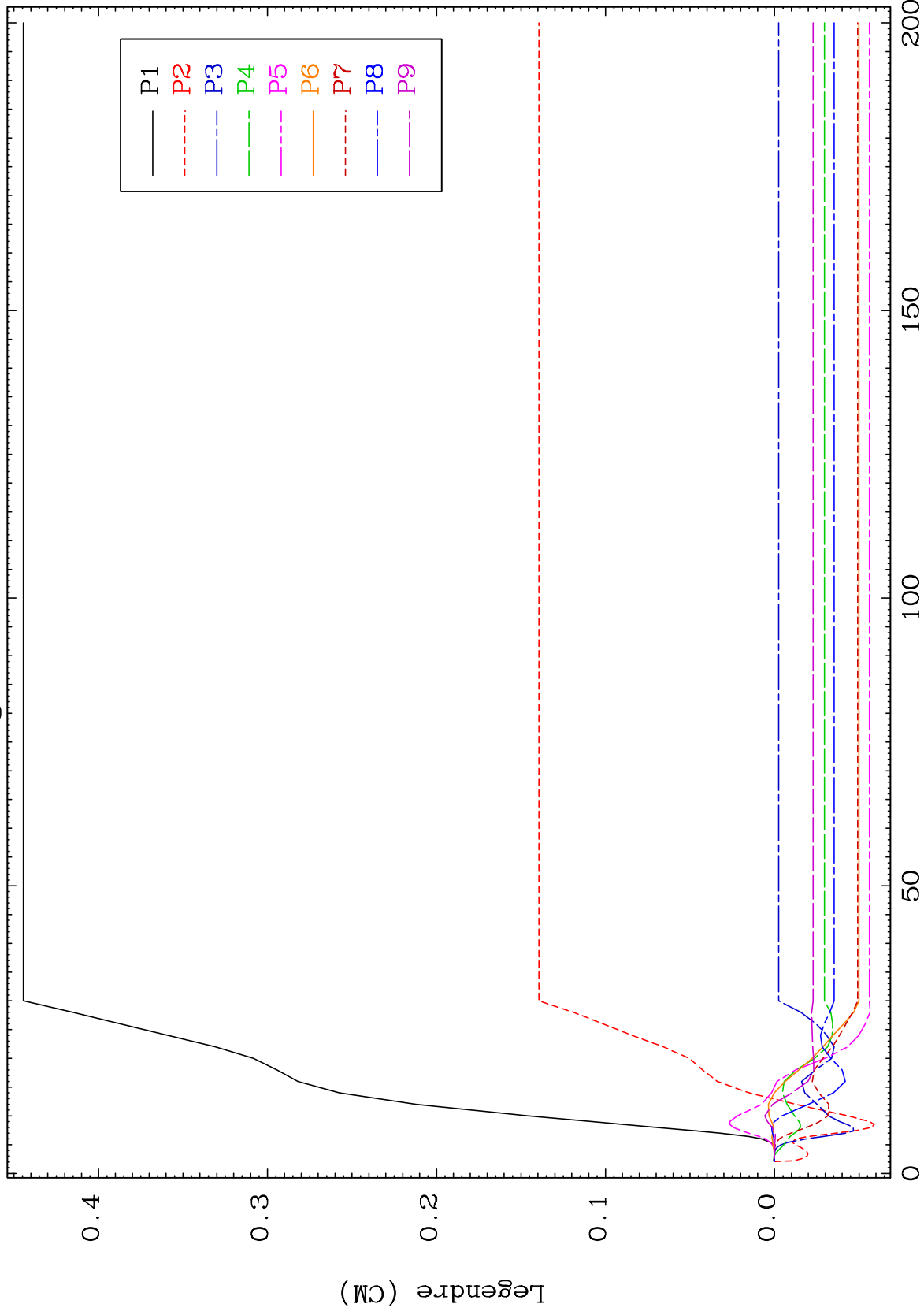
56-Ba-128



MAT 5619

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

56-Ba-128



76

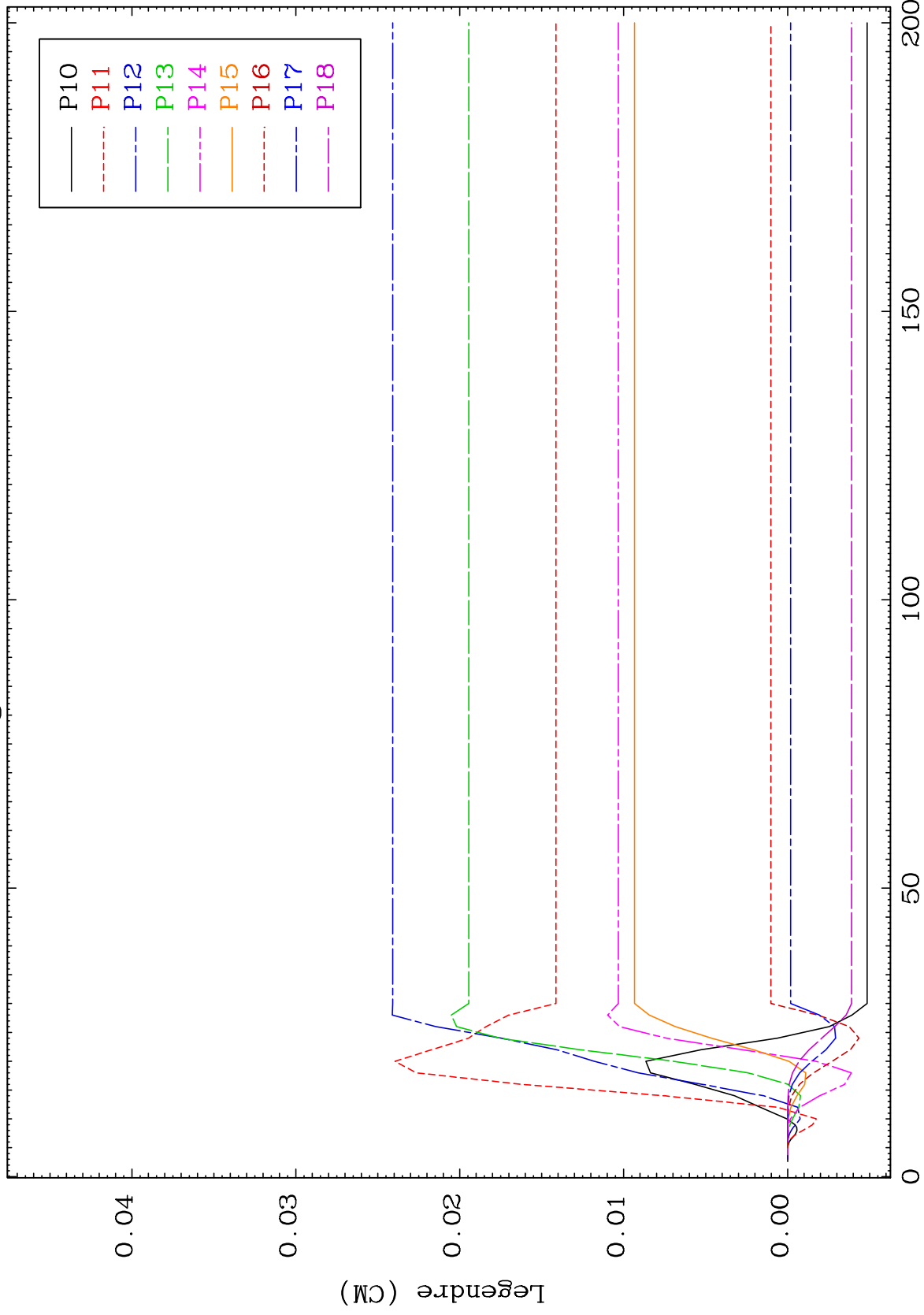
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

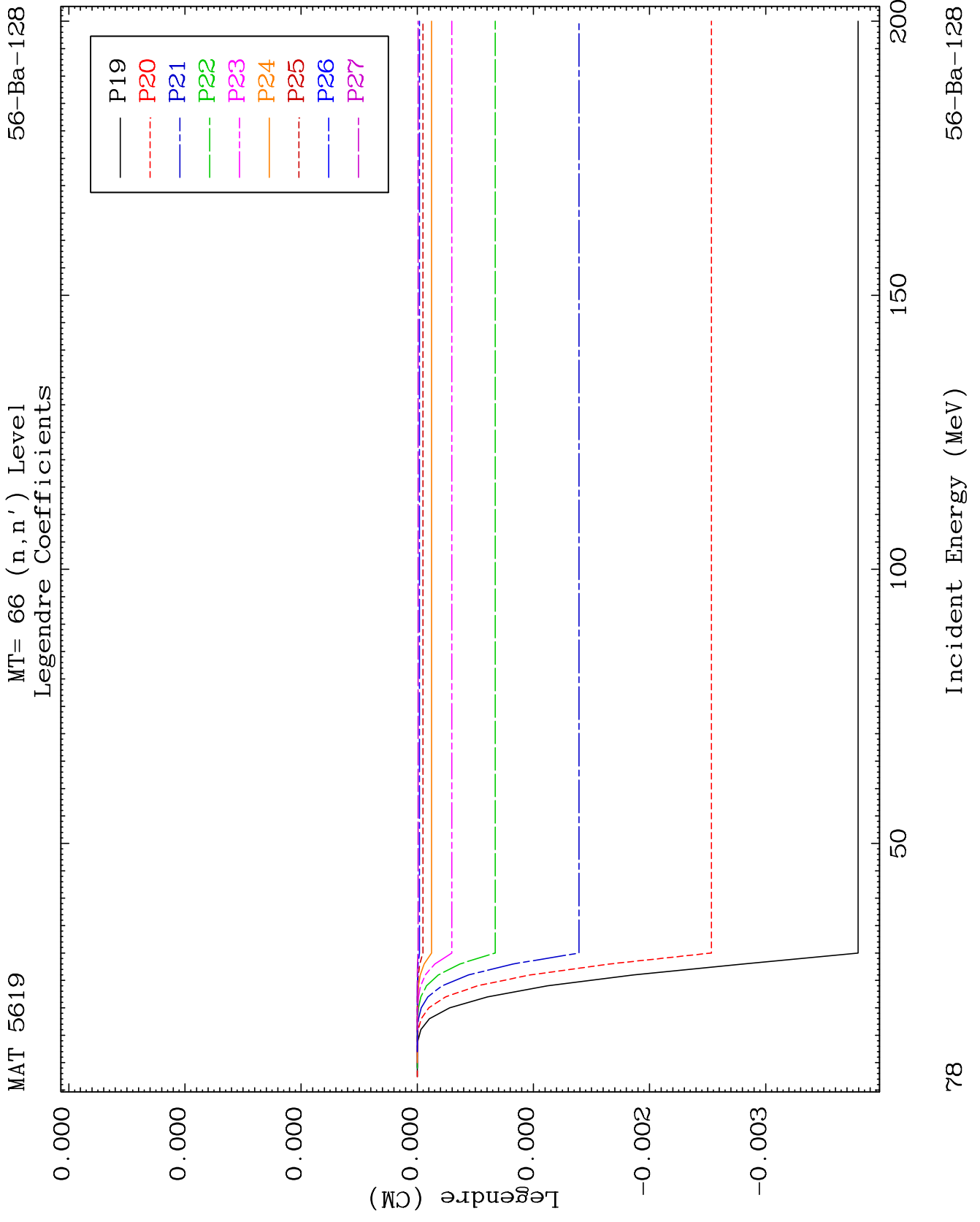
56-Ba-128



77

Incident Energy (MeV)

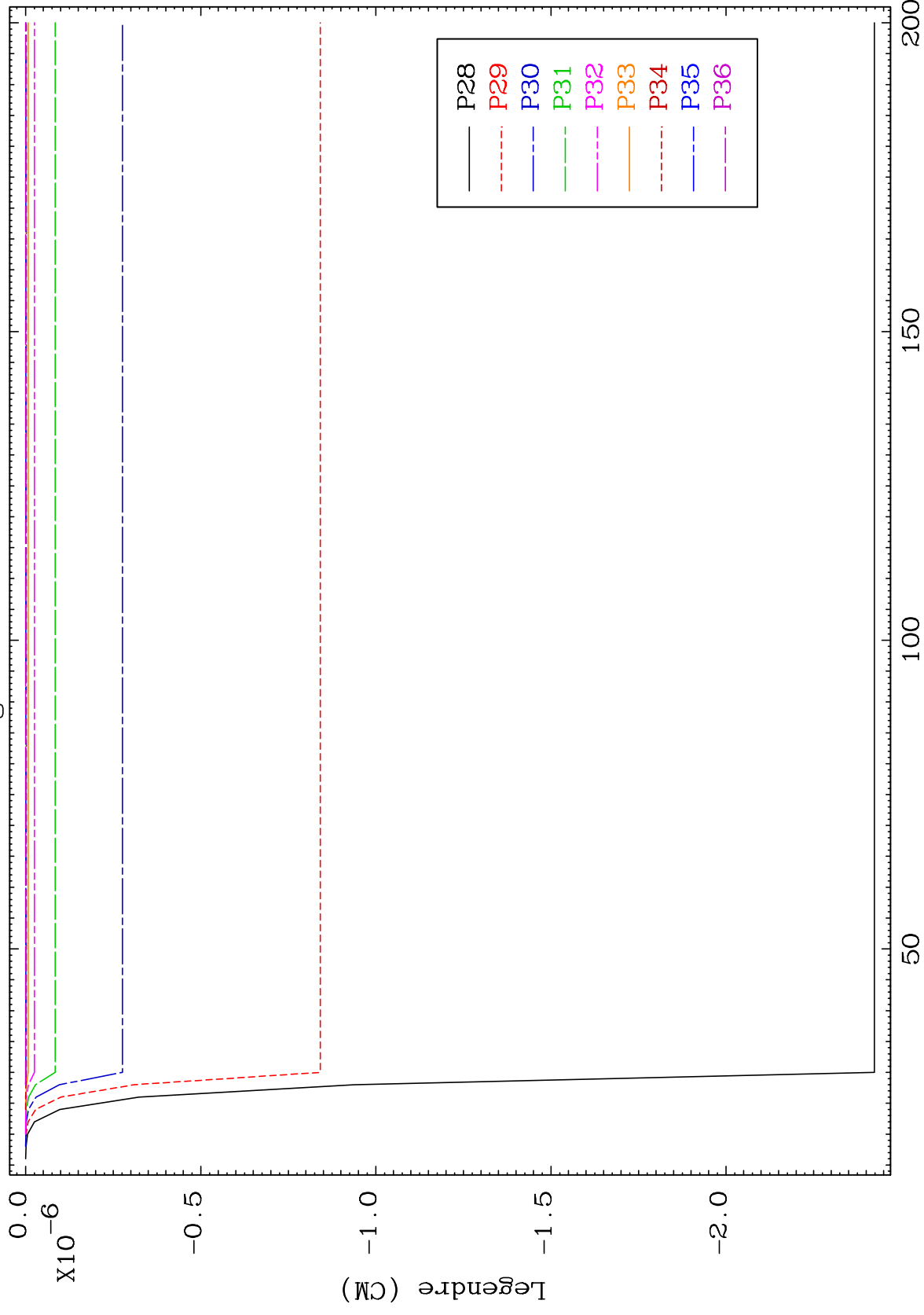
56-Ba-128



MAT 5619

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

56-Ba-128



79

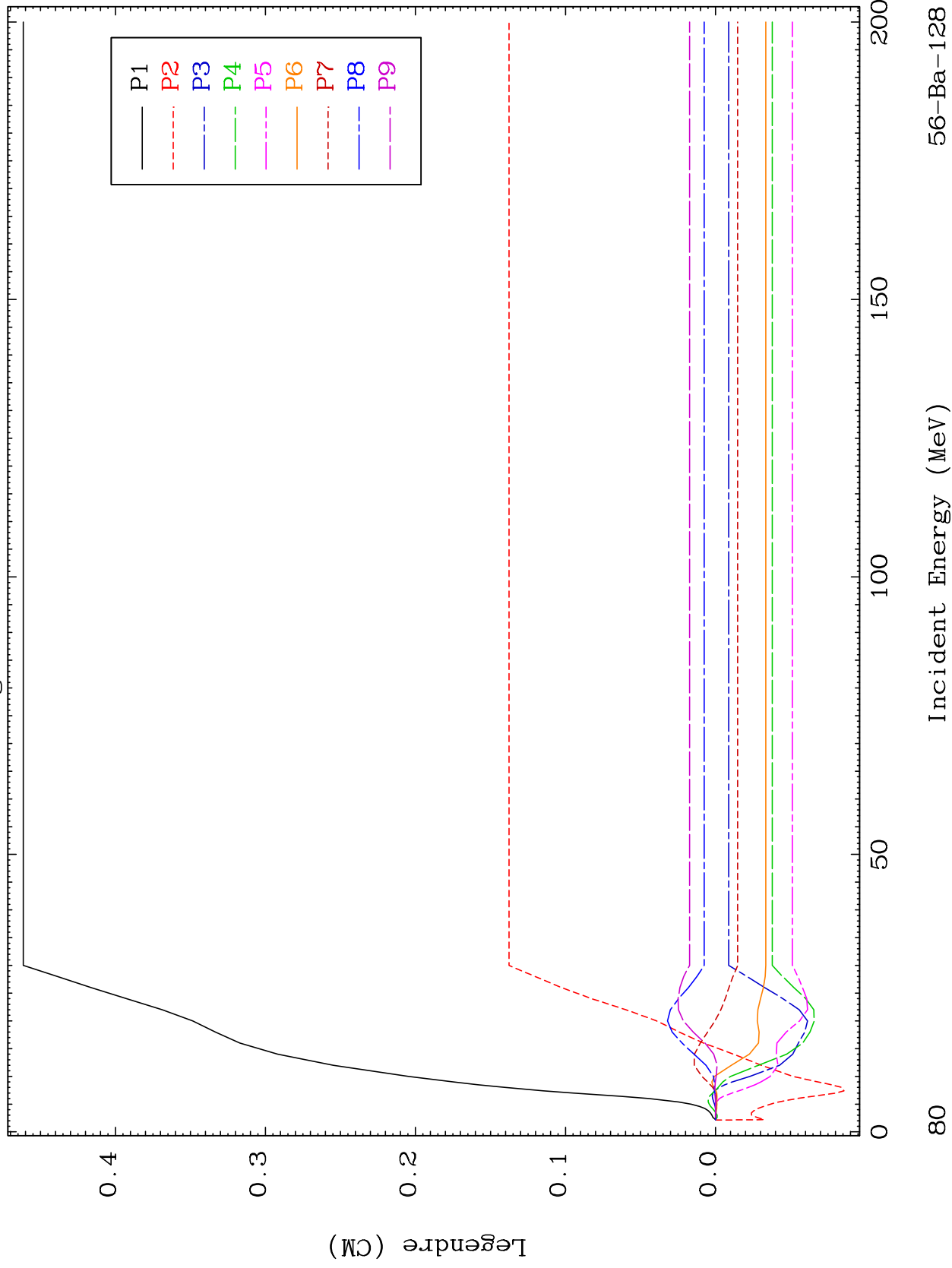
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

56-Ba-128



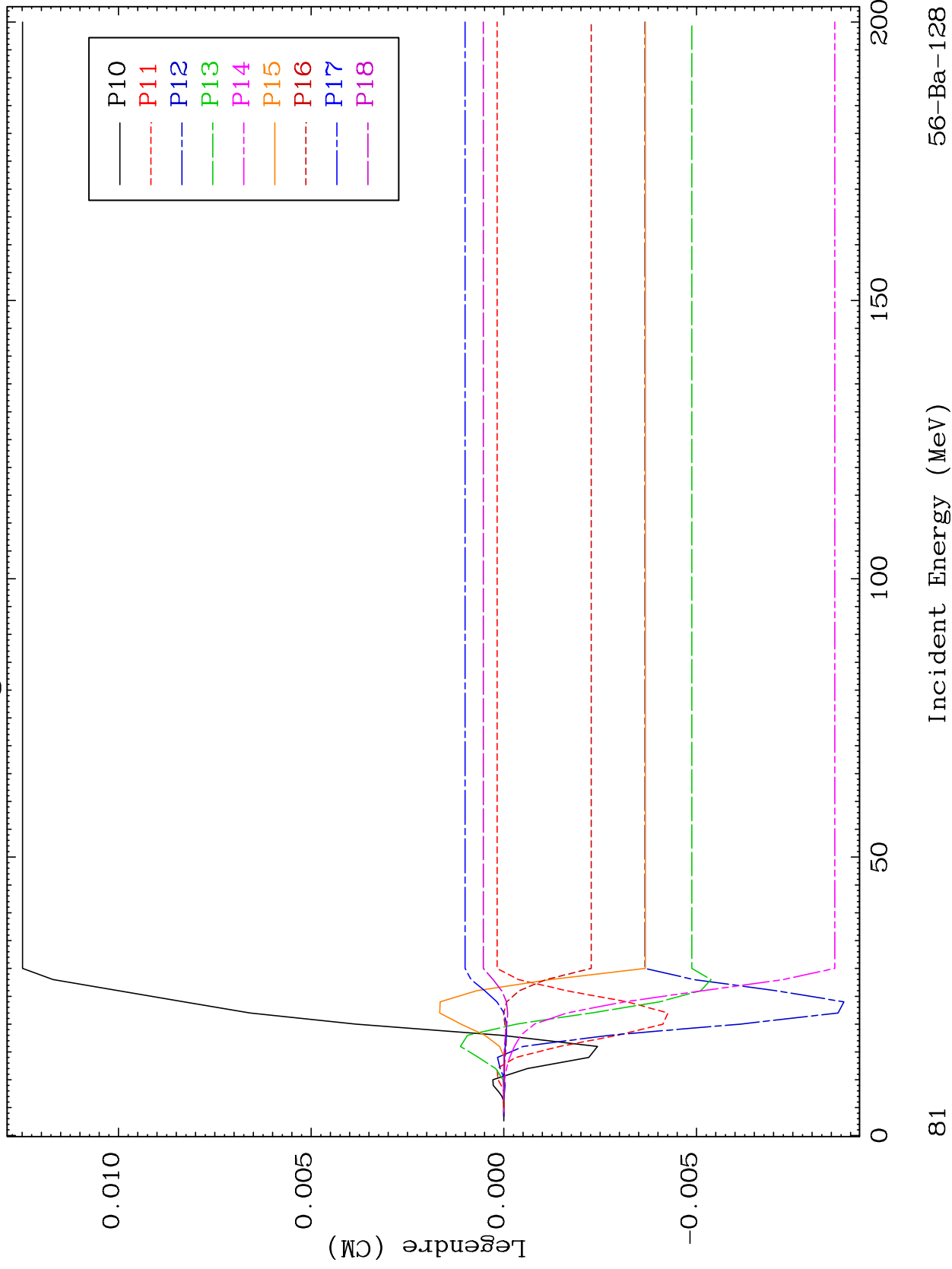
56-Ba-128

Incident Energy (MeV)

MAT 5619

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

56-Ba-128



81

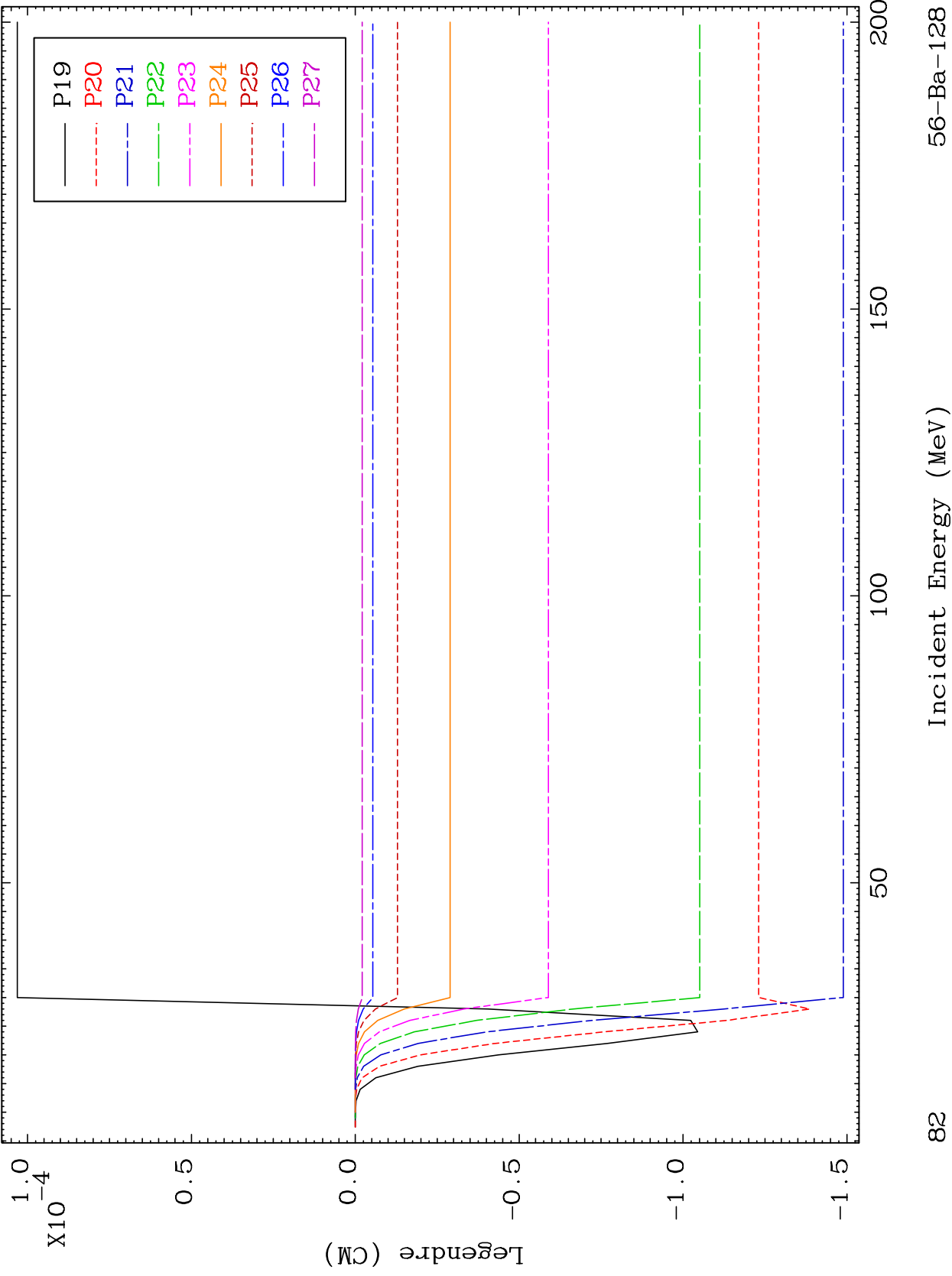
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

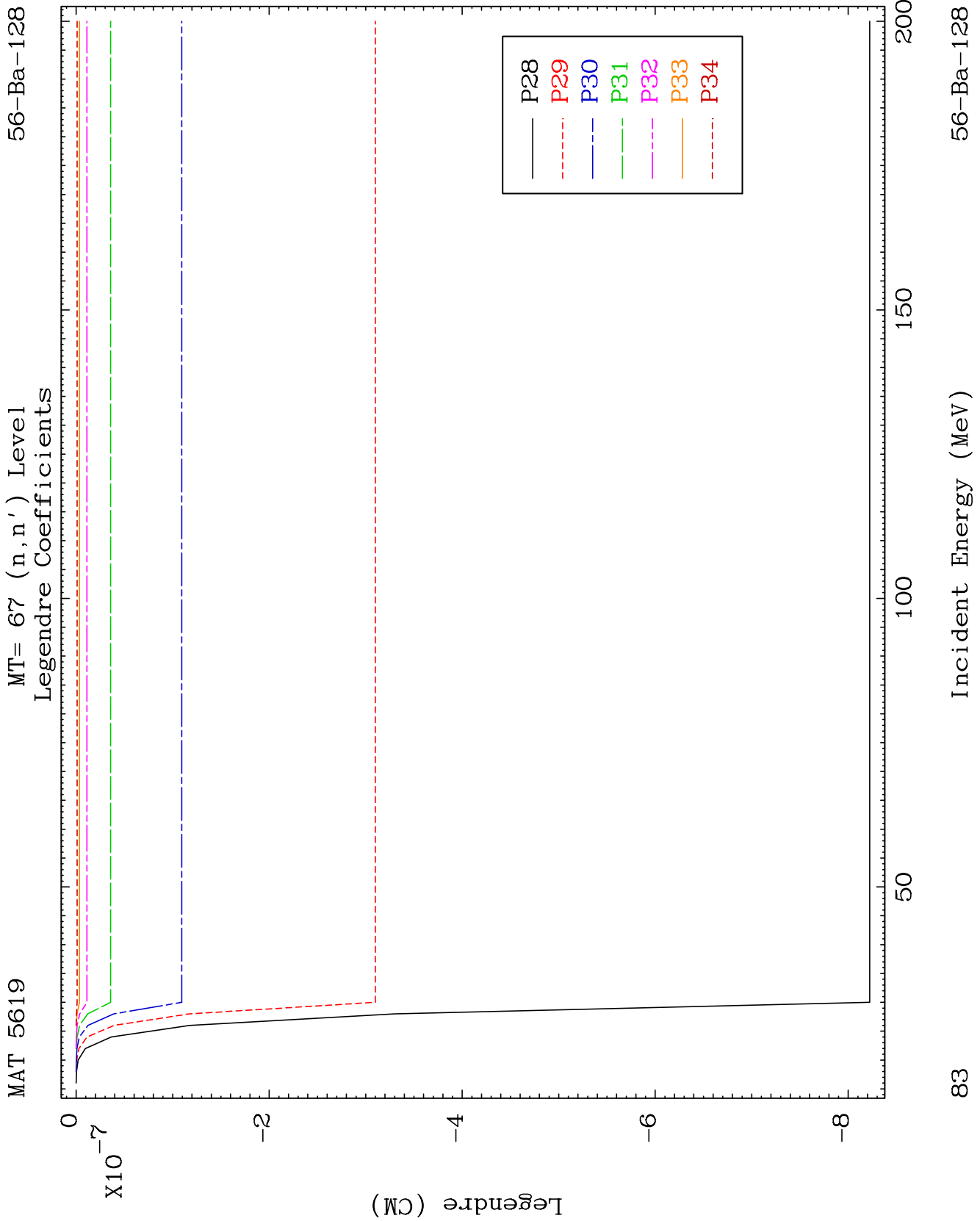
56-Ba-128



82

Incident Energy (MeV)

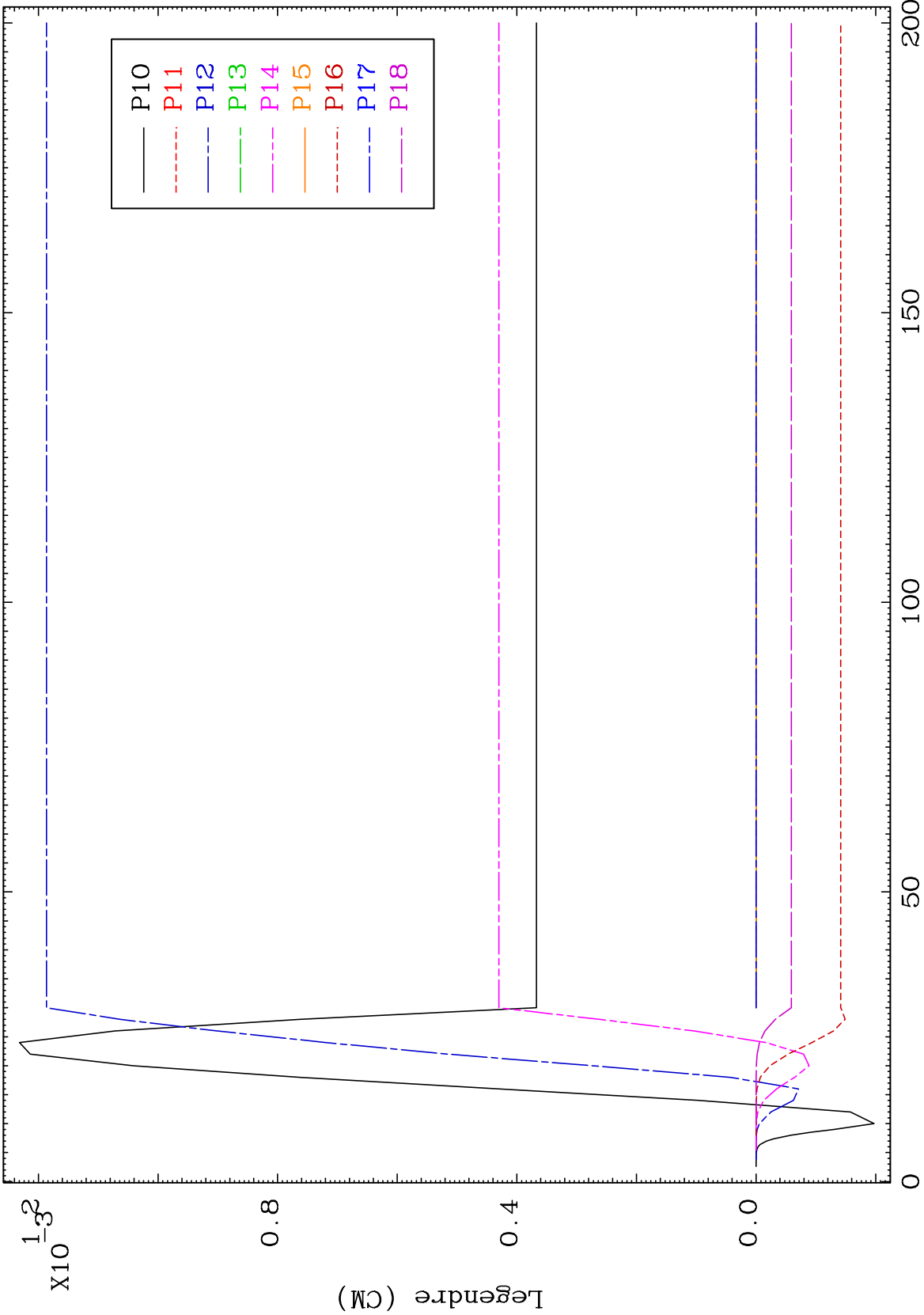
56-Ba-128



MAT 5619

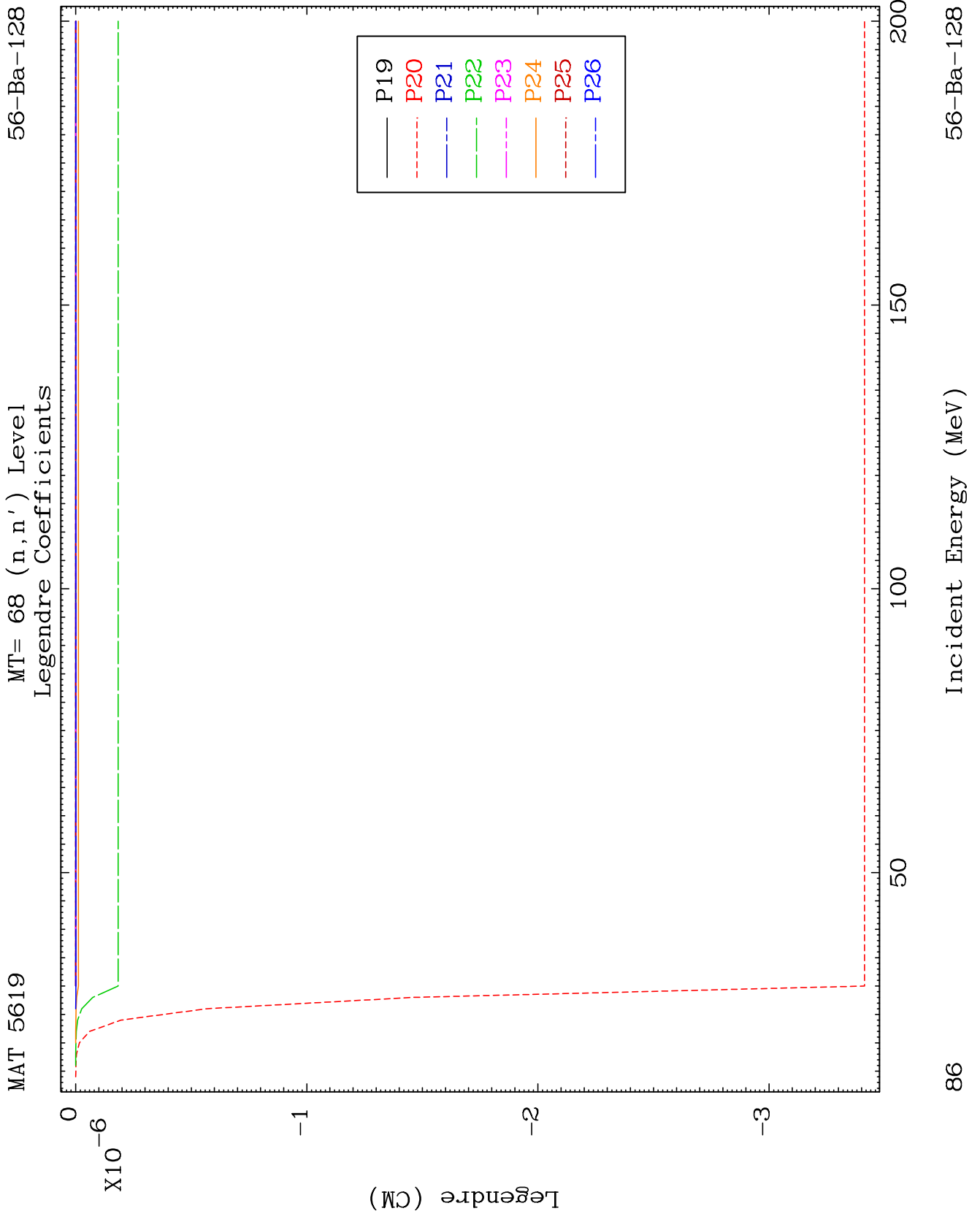
MT= 68 (n,n') Level
Legendre Coefficients

56-Ba-128



85

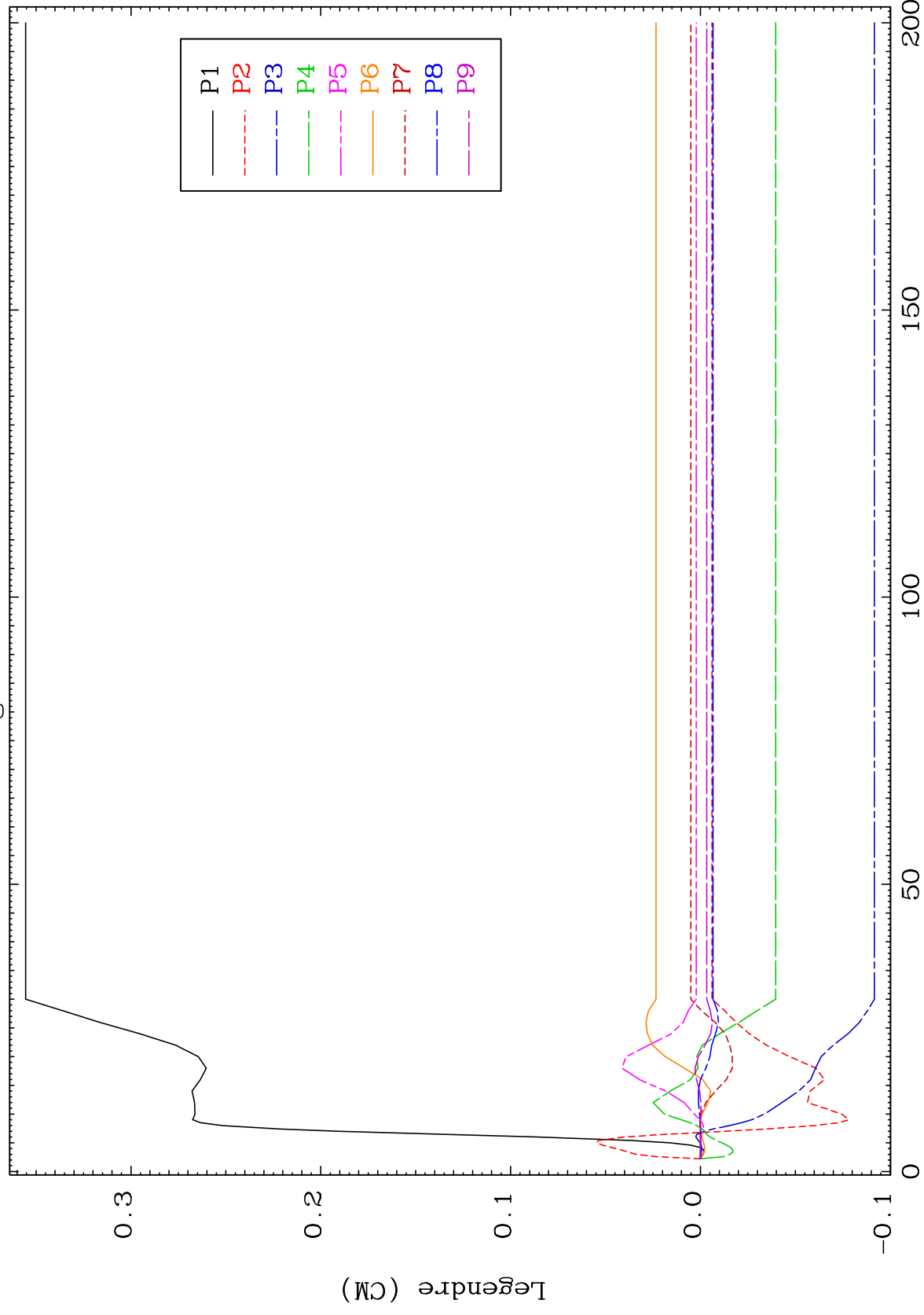
56-Ba-128



MAT 5619

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

56-Ba-128



87

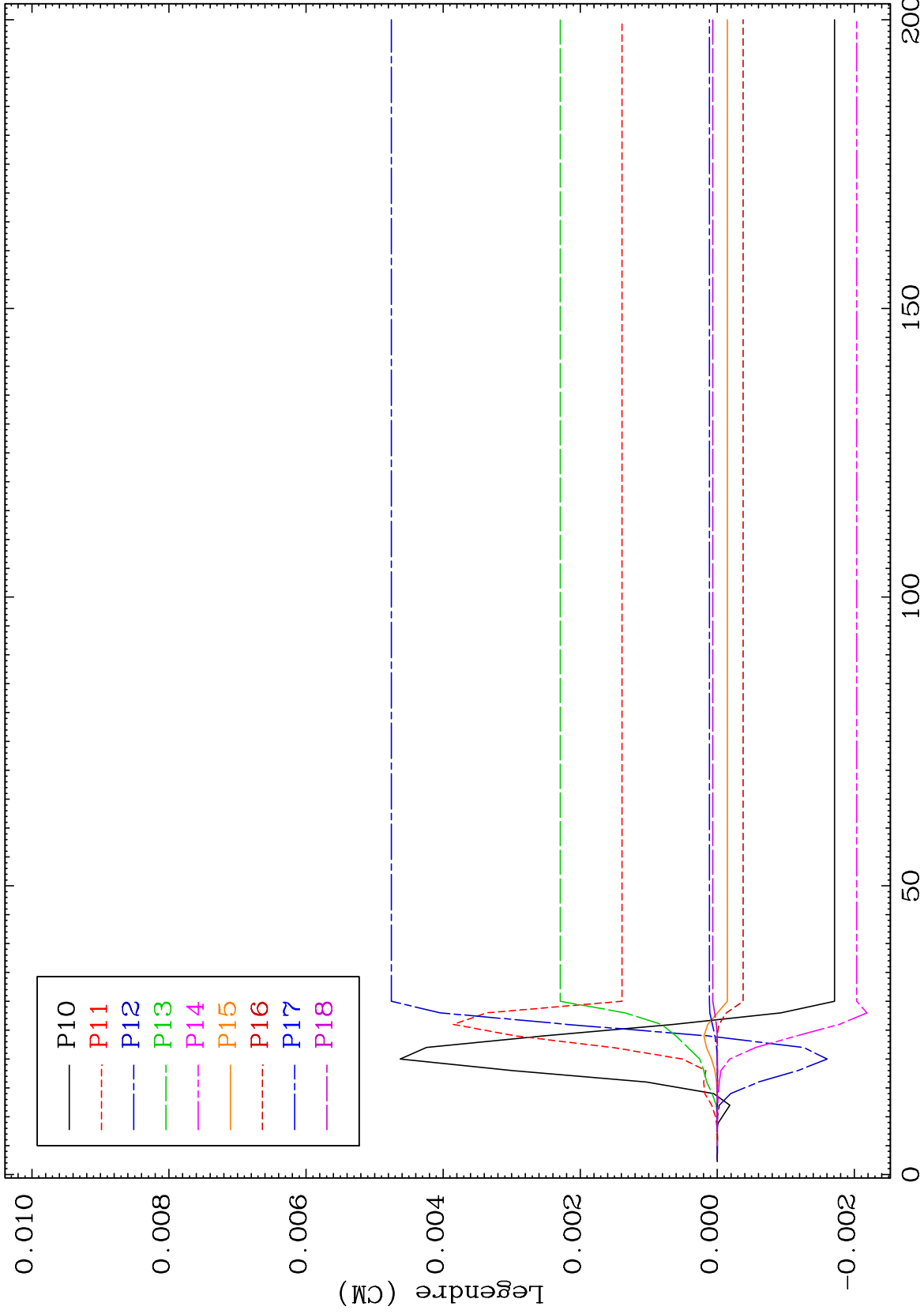
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

56-Ba-128



88

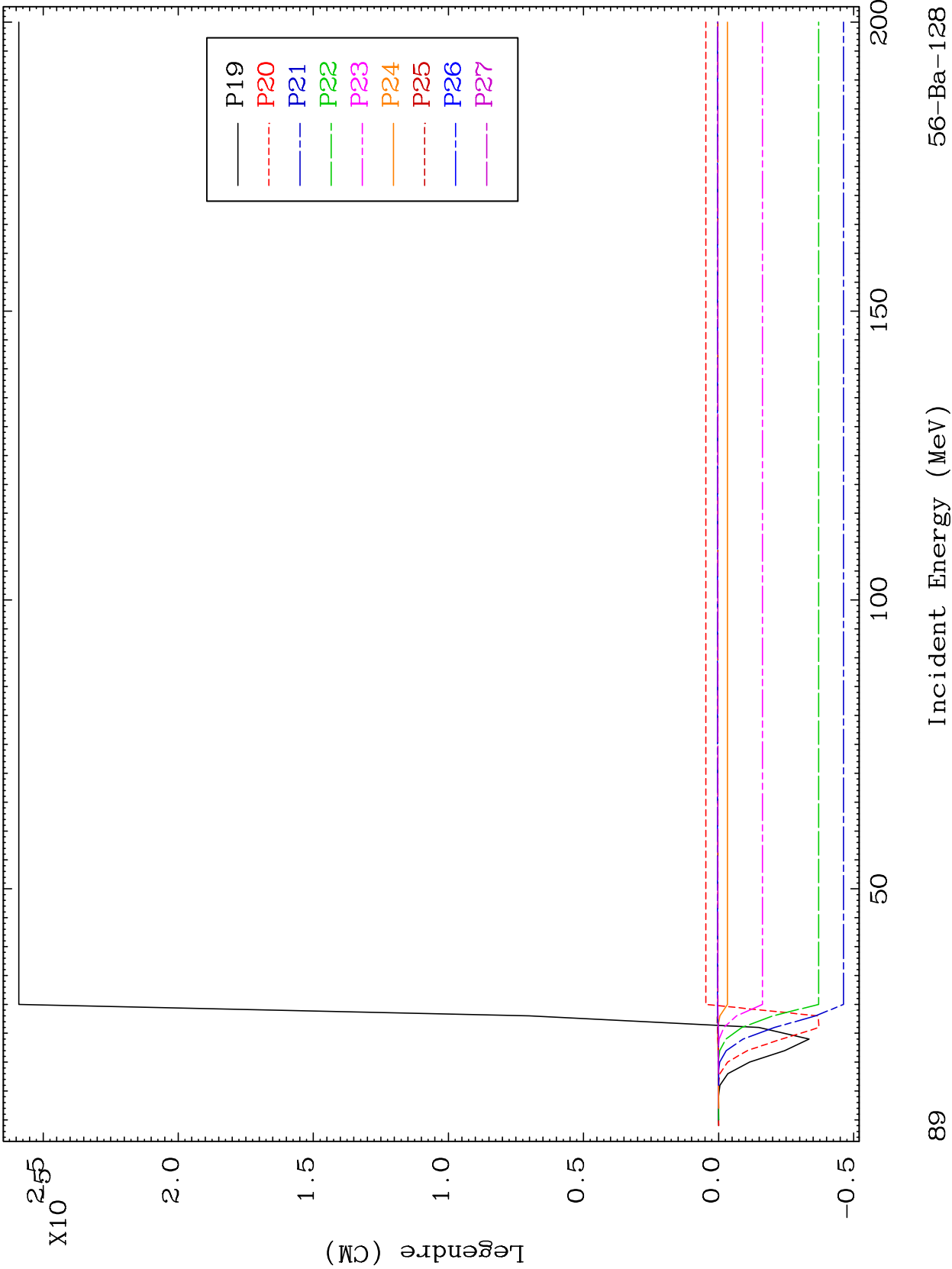
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

56-Ba-128



89

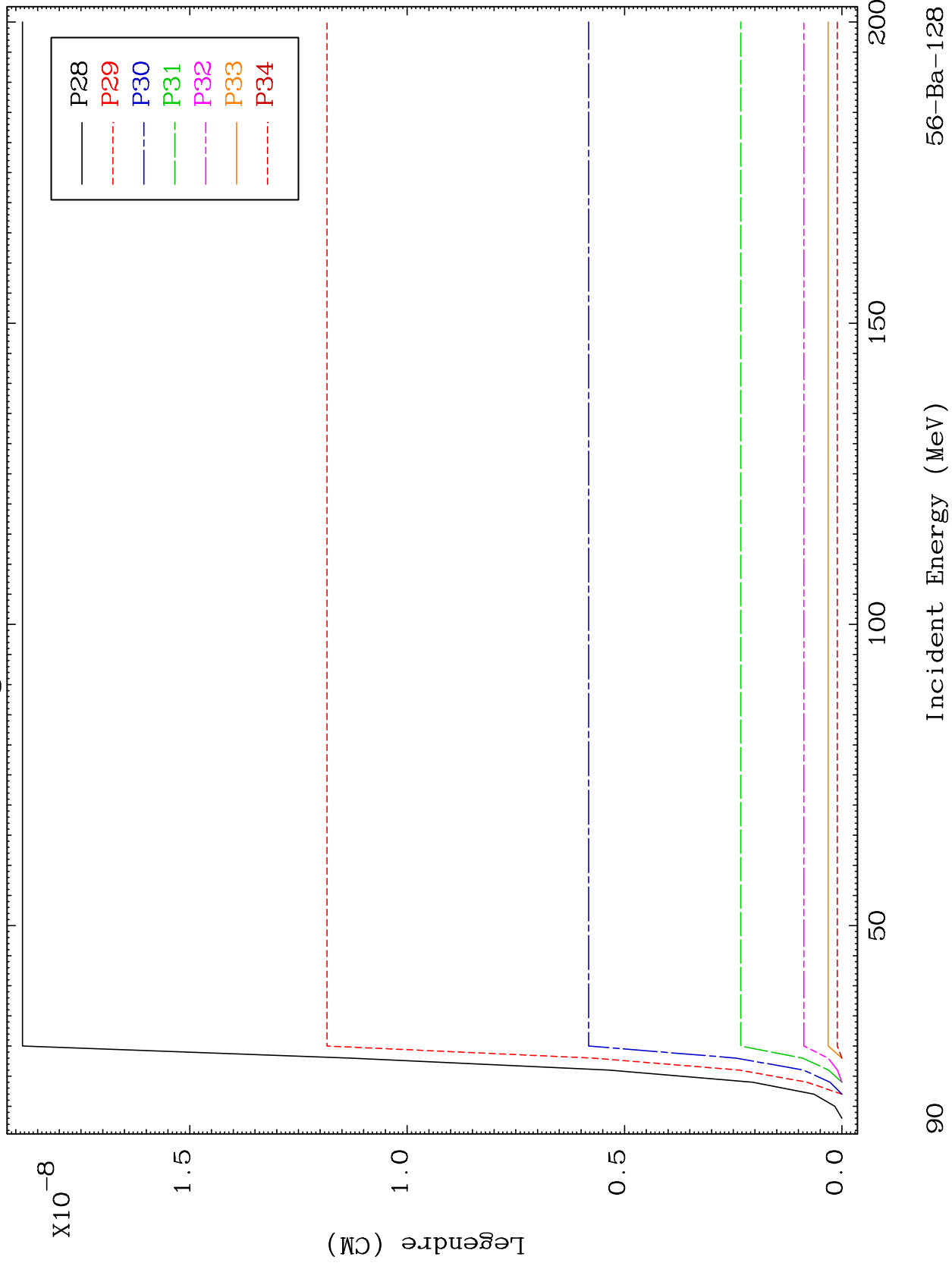
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

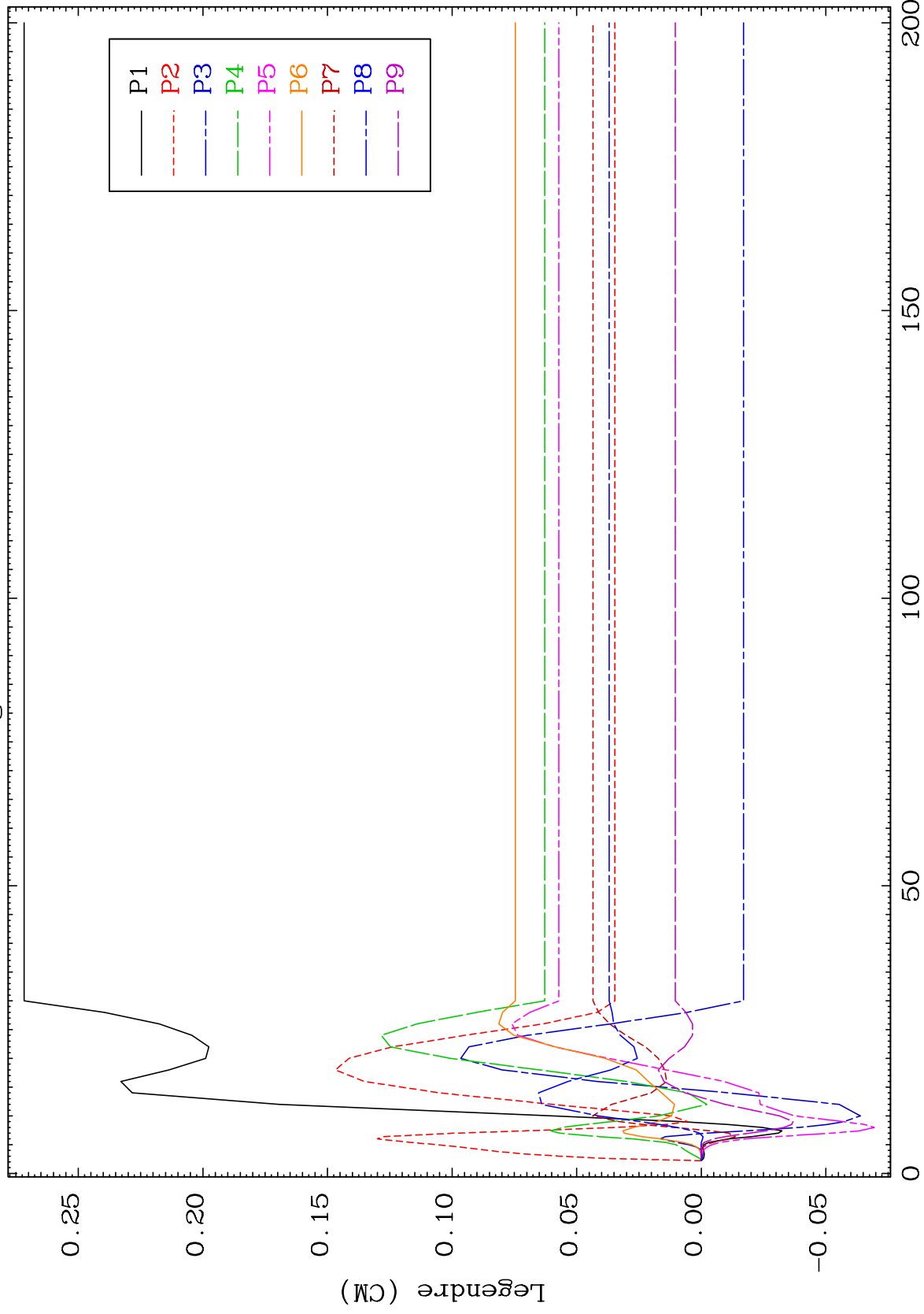
56-Ba-128



MAT 5619

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

56-Ba-128



91

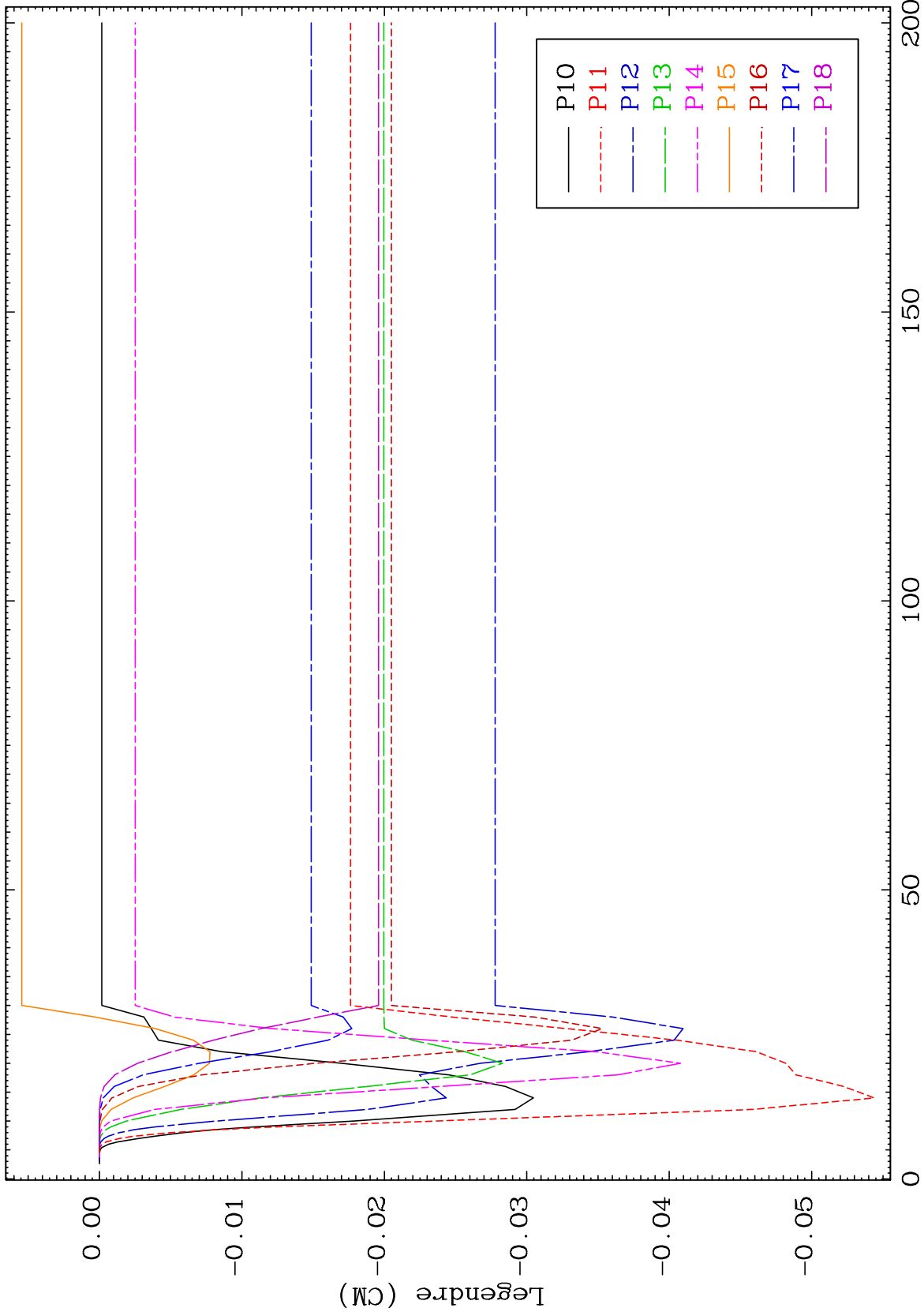
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

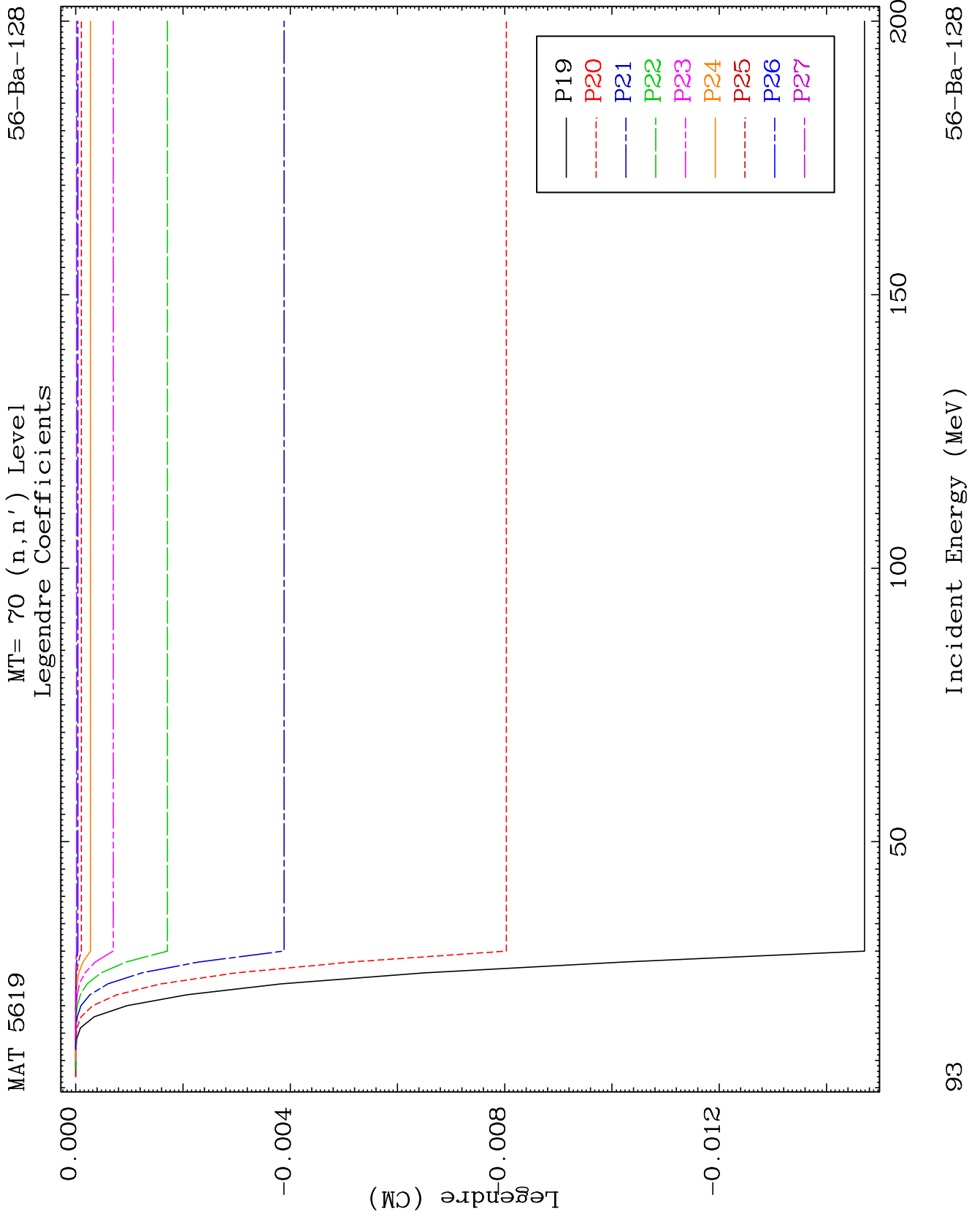
56-Ba-128

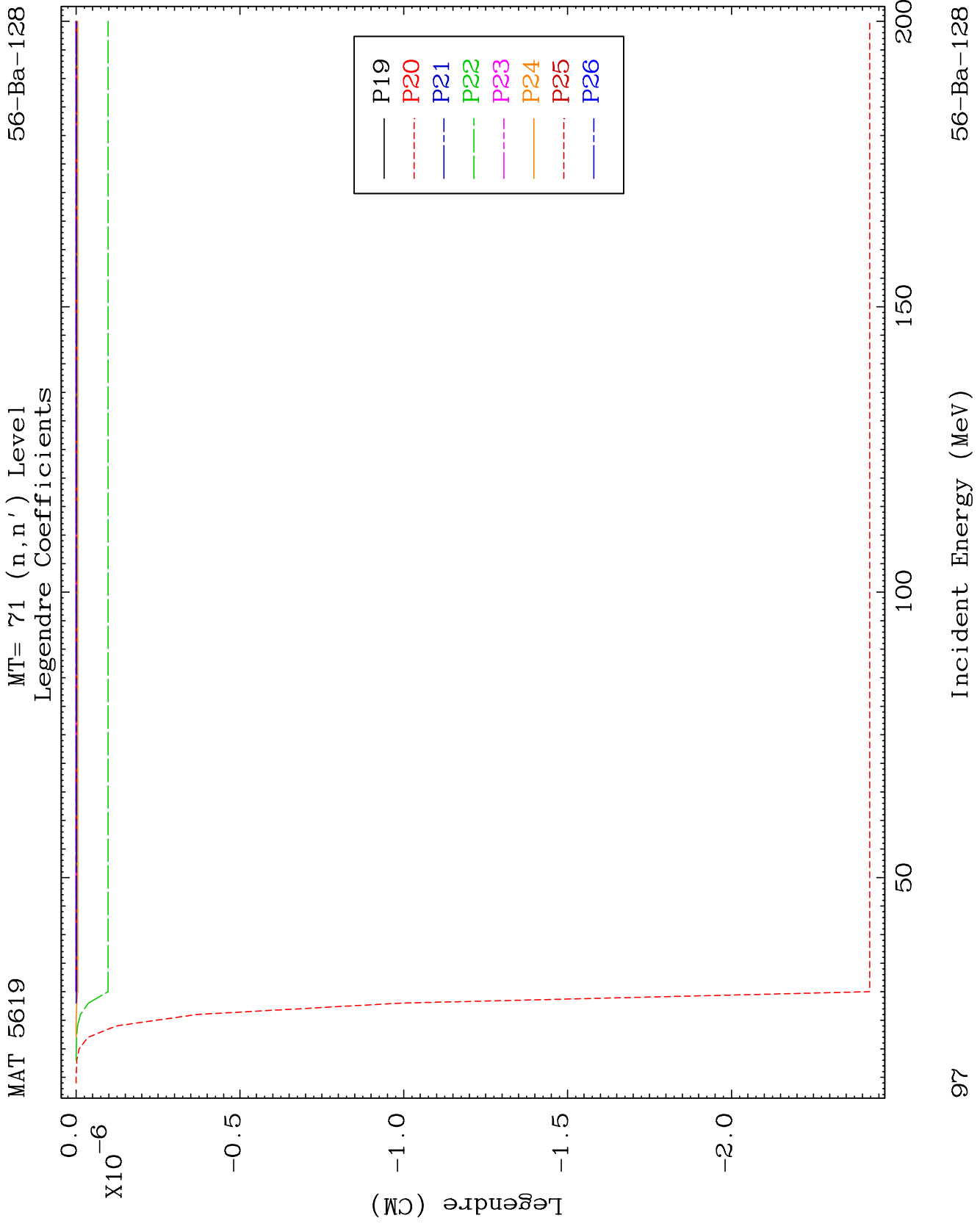


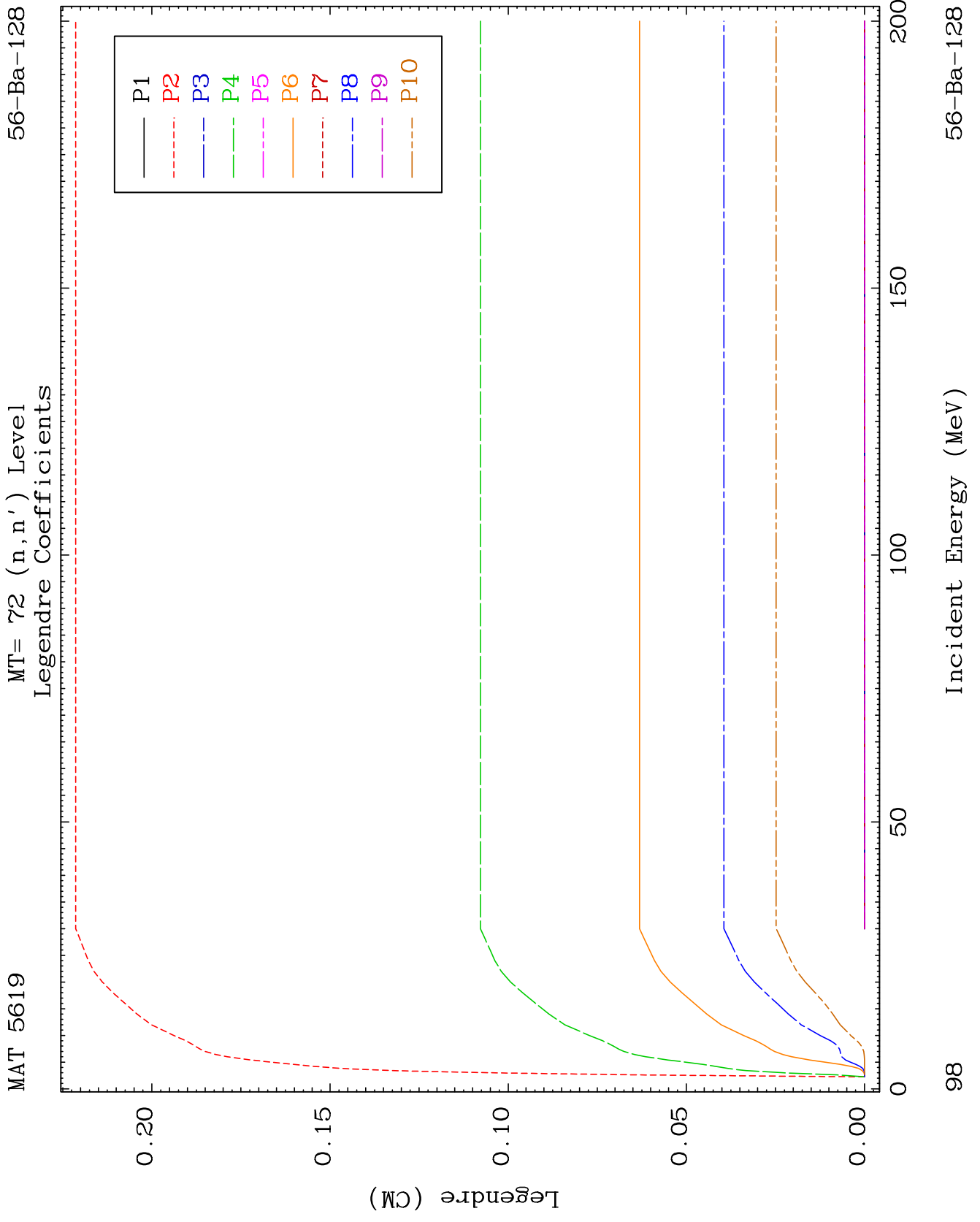
92

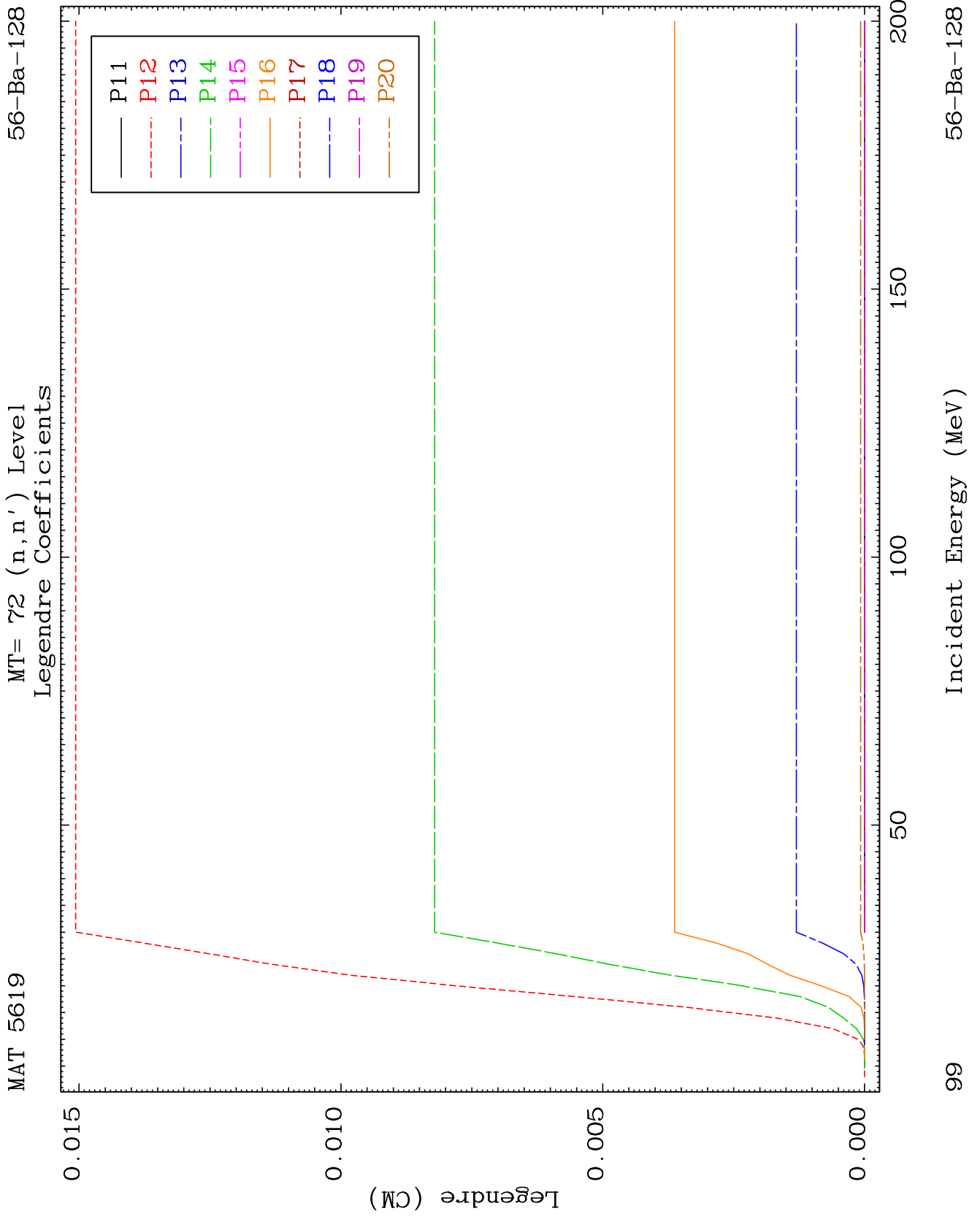
Incident Energy (MeV)

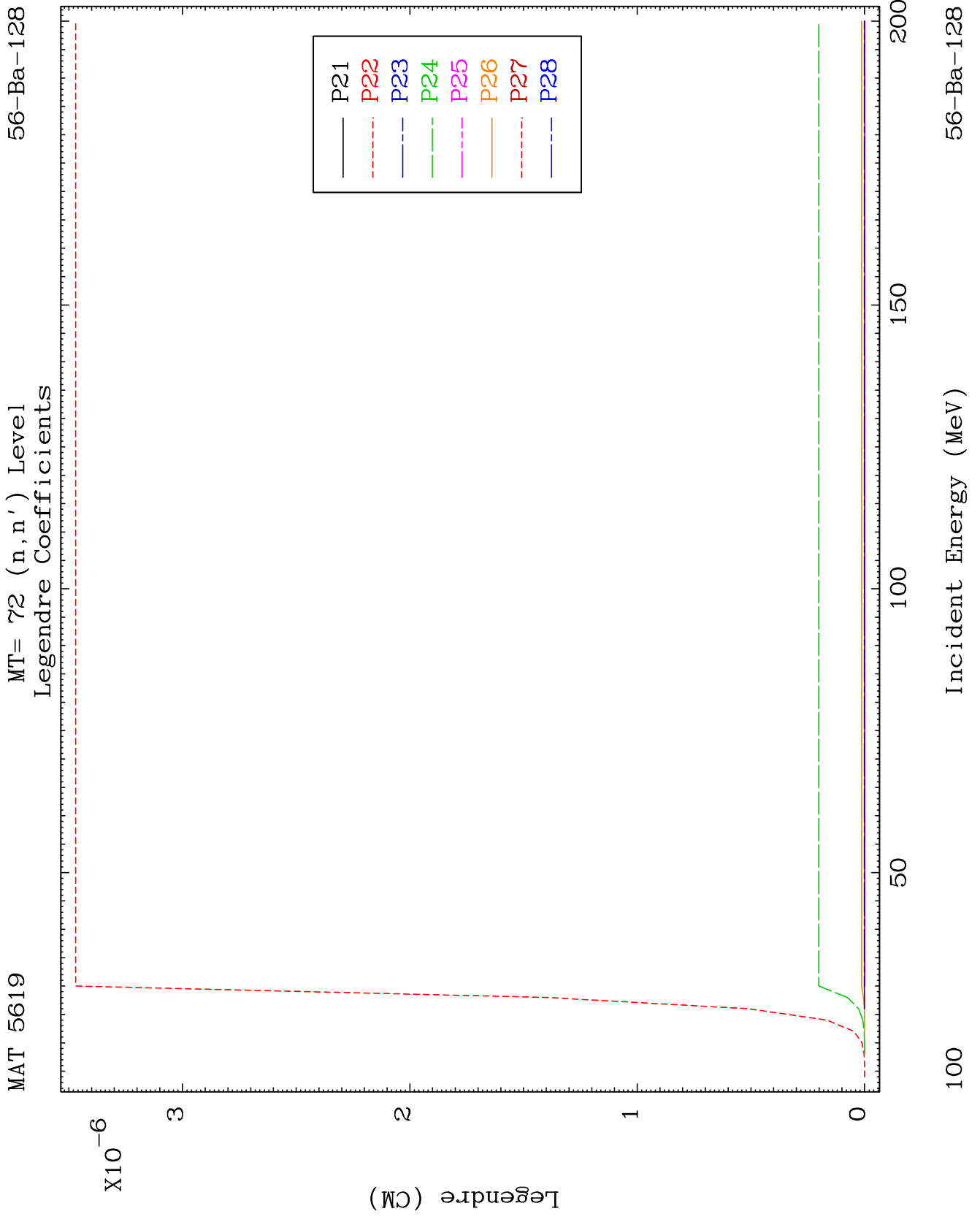
56-Ba-128







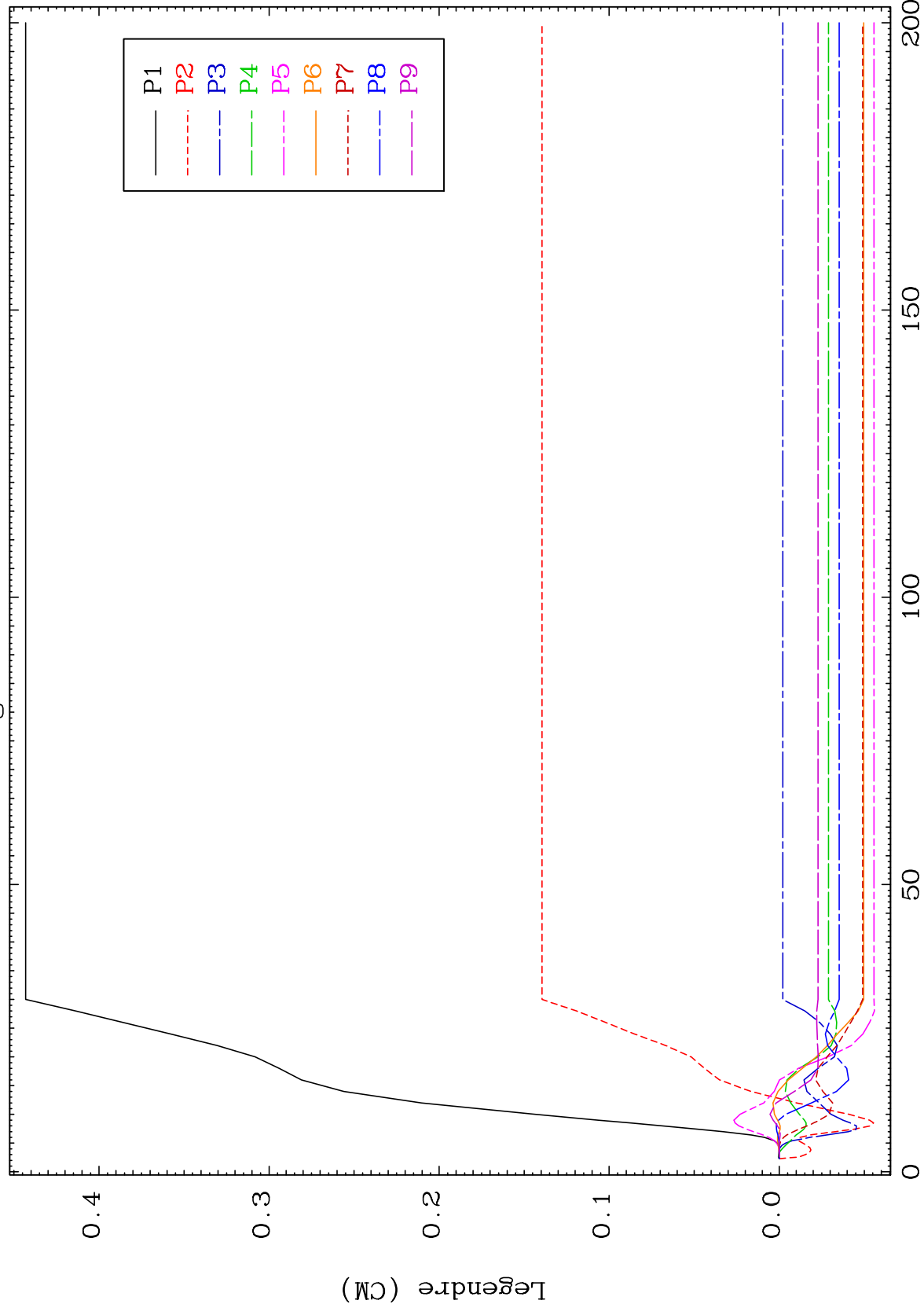




MAT 5619

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

56-Ba-128



101

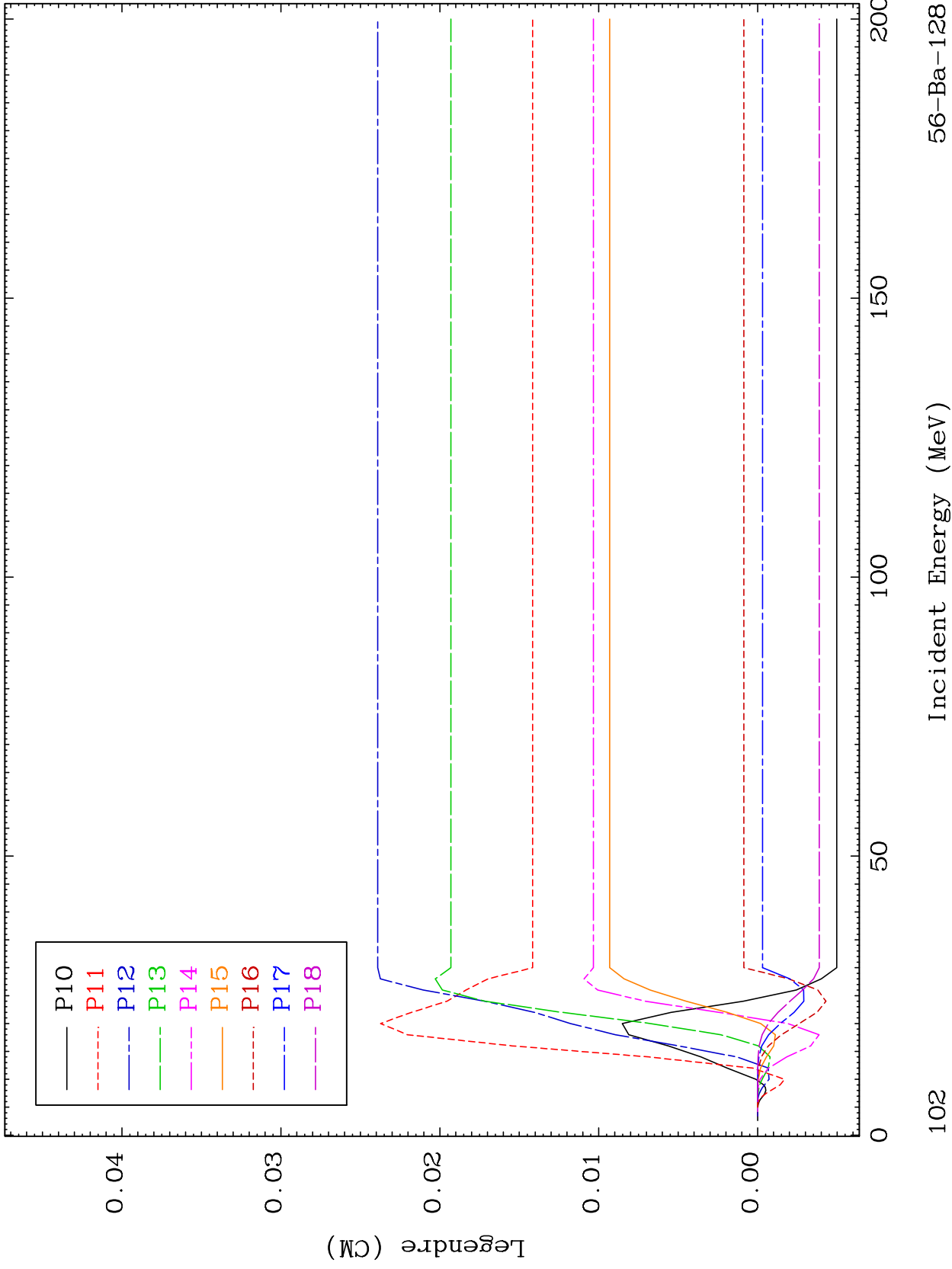
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

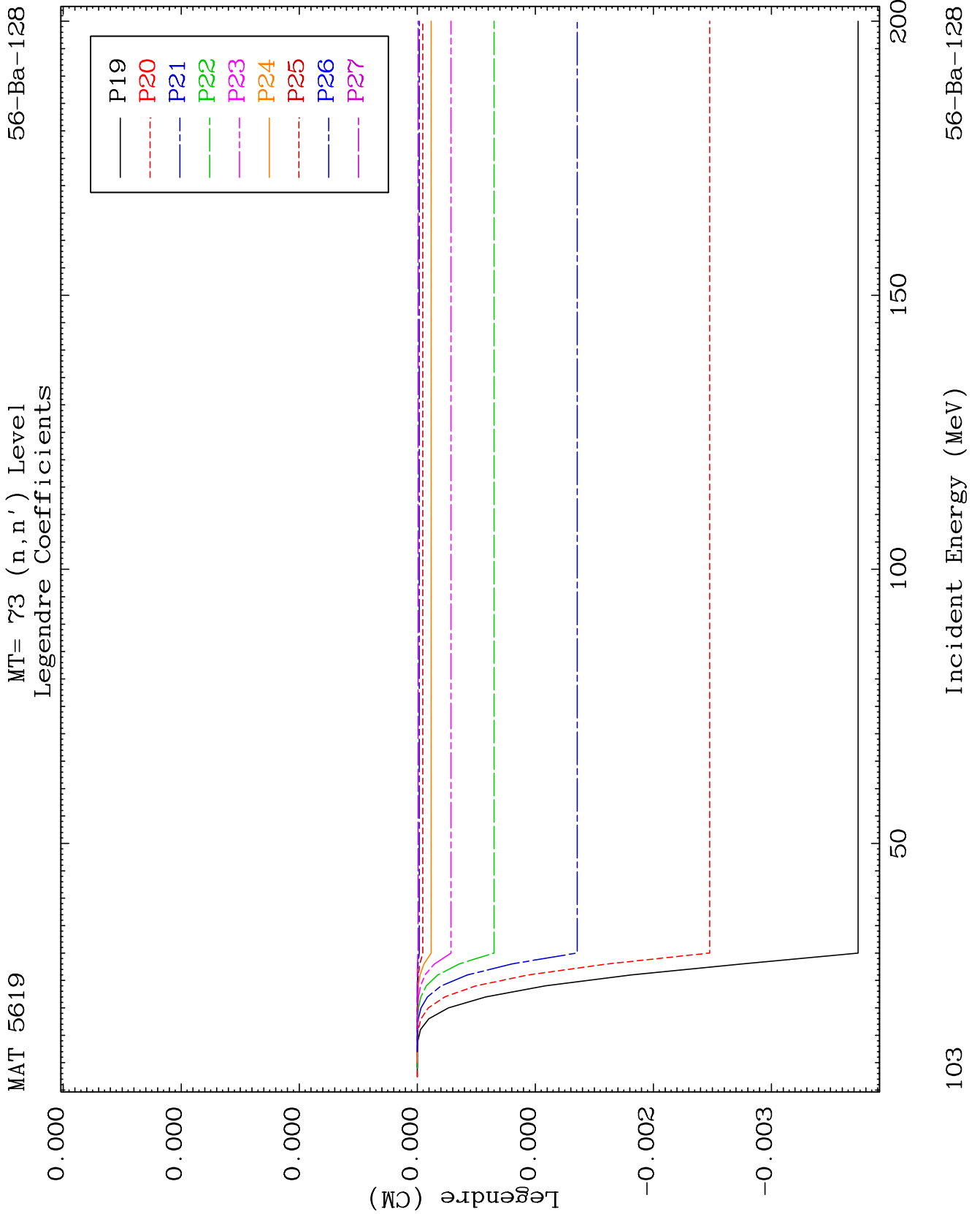
56-Ba-128

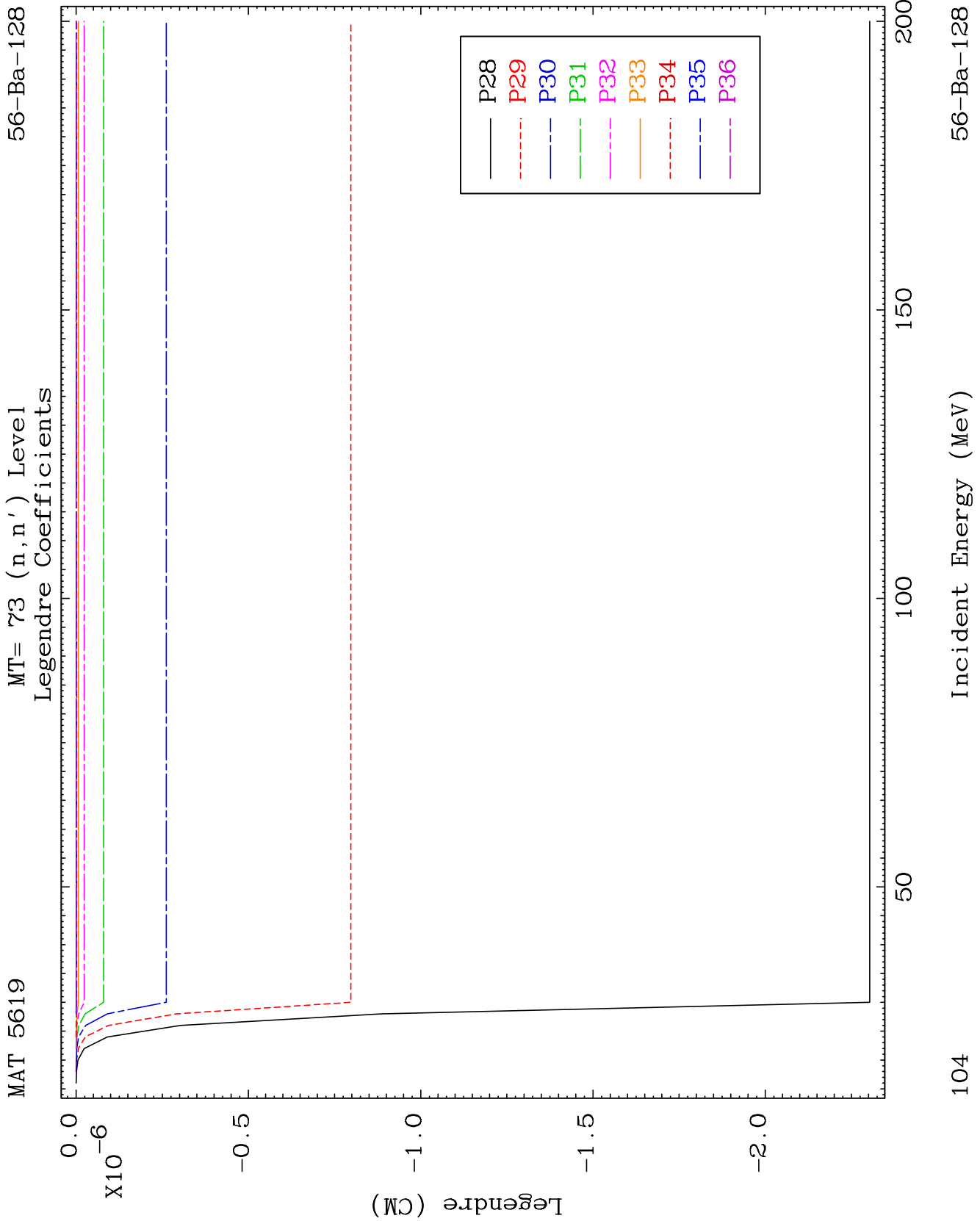


56-Ba-128

Incident Energy (MeV)

102

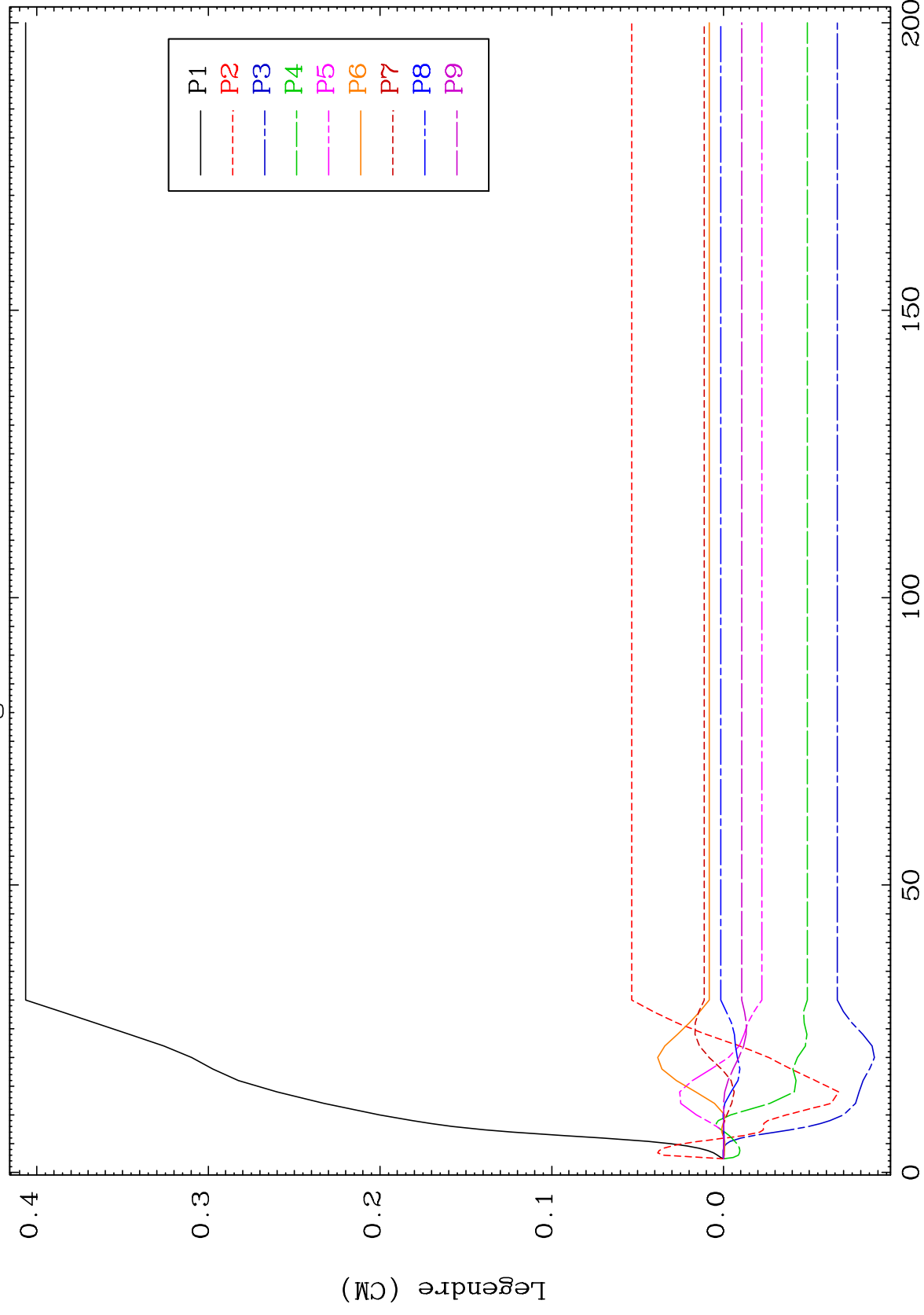




MAT 5619

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

56-Ba-128



56-Ba-128

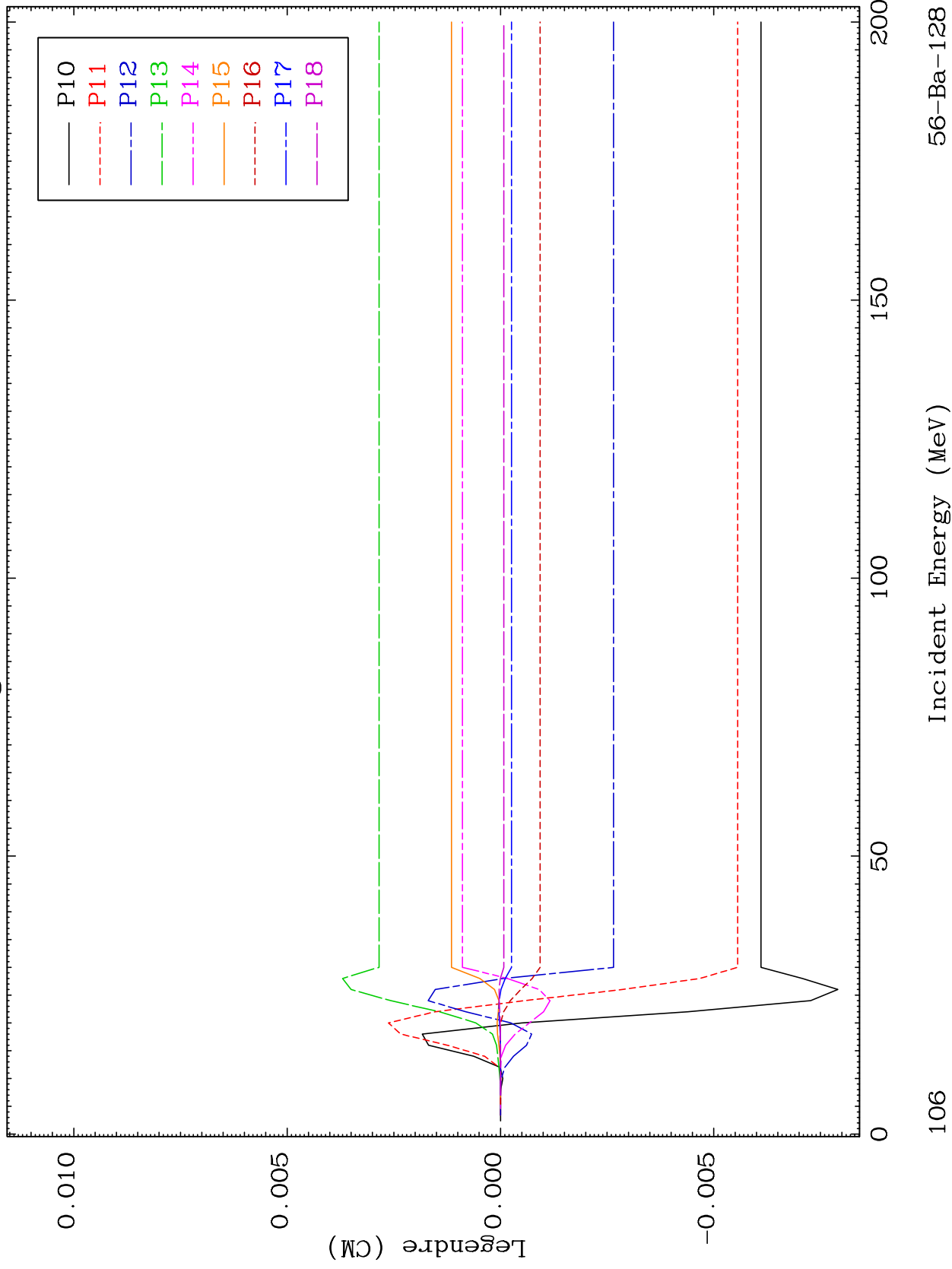
Incident Energy (MeV)

105

MAT 5619

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

56-Ba-128



56-Ba-128

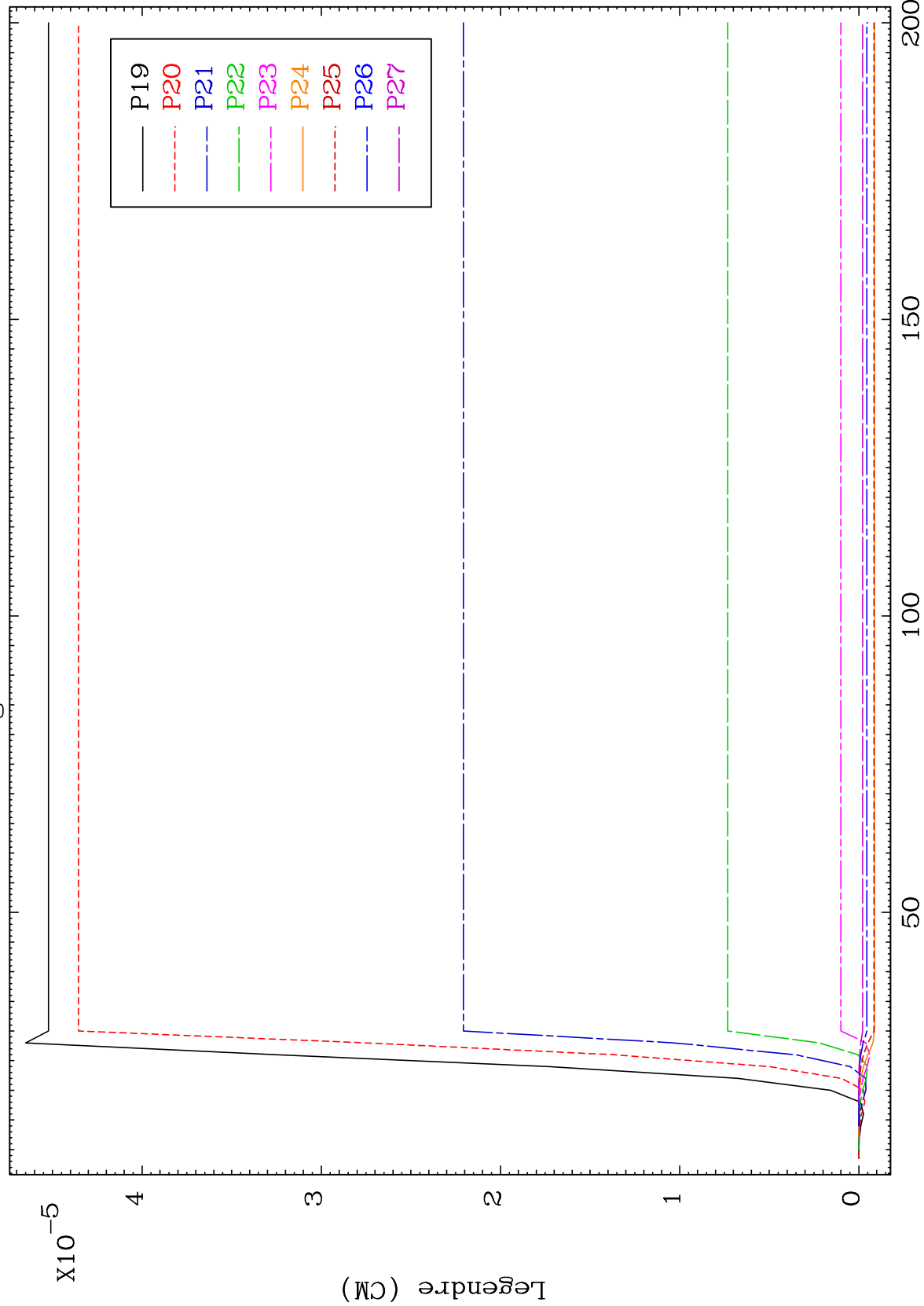
Incident Energy (MeV)

106

MAT 5619

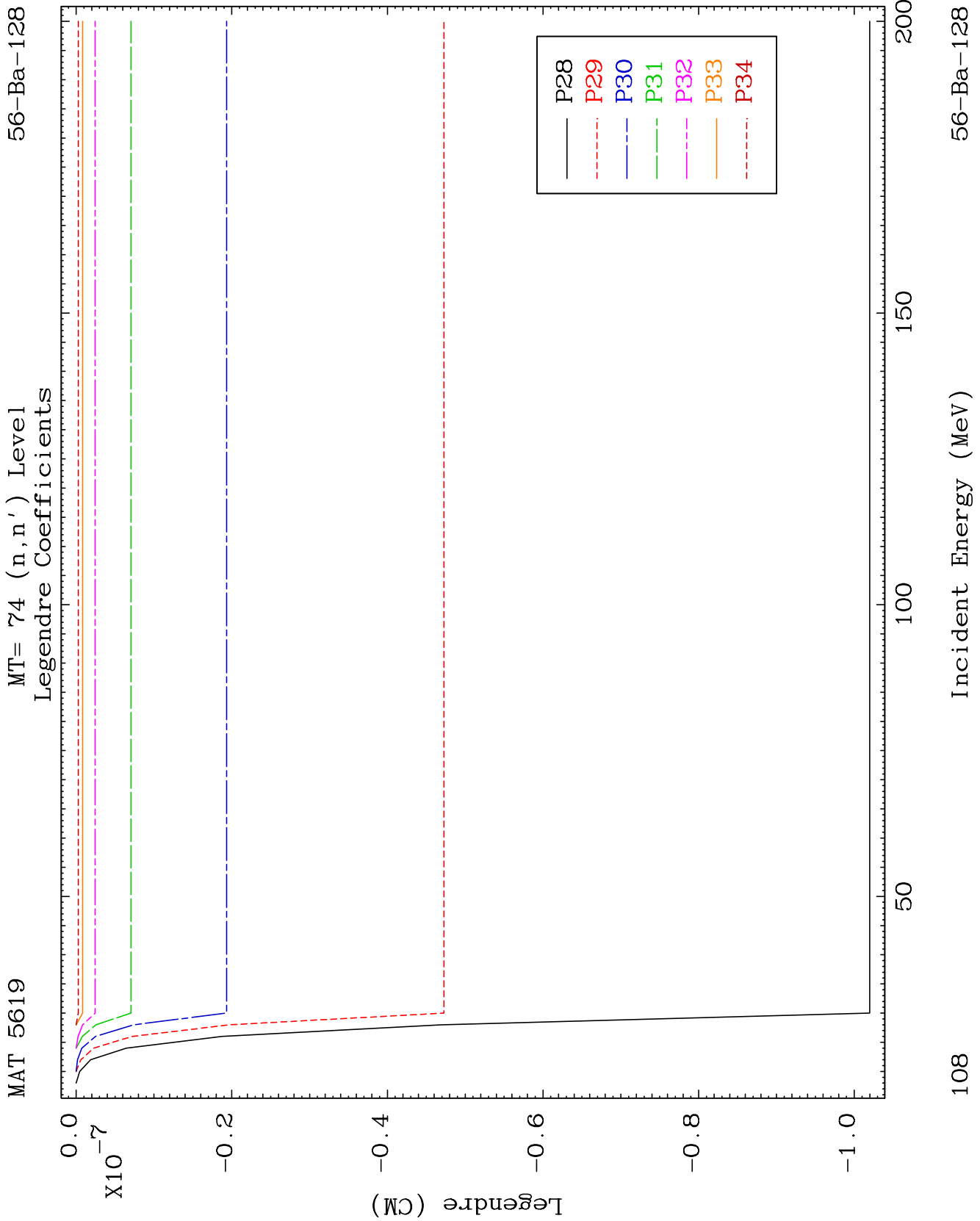
MT= 74 (n,n') Level
Legendre Coefficients

56-Ba-128



107

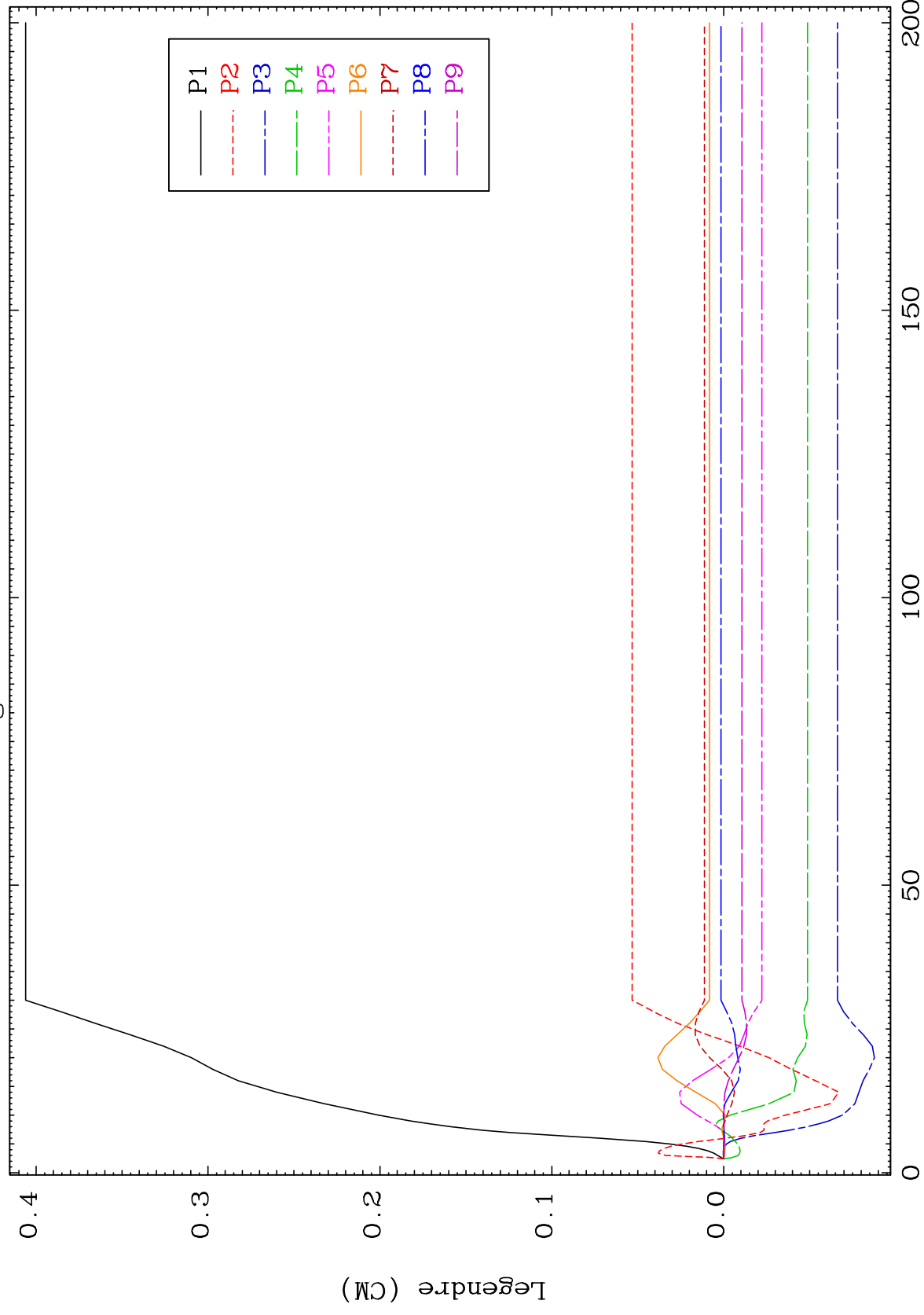
56-Ba-128



MAT 5619

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

56-Ba-128



56-Ba-128

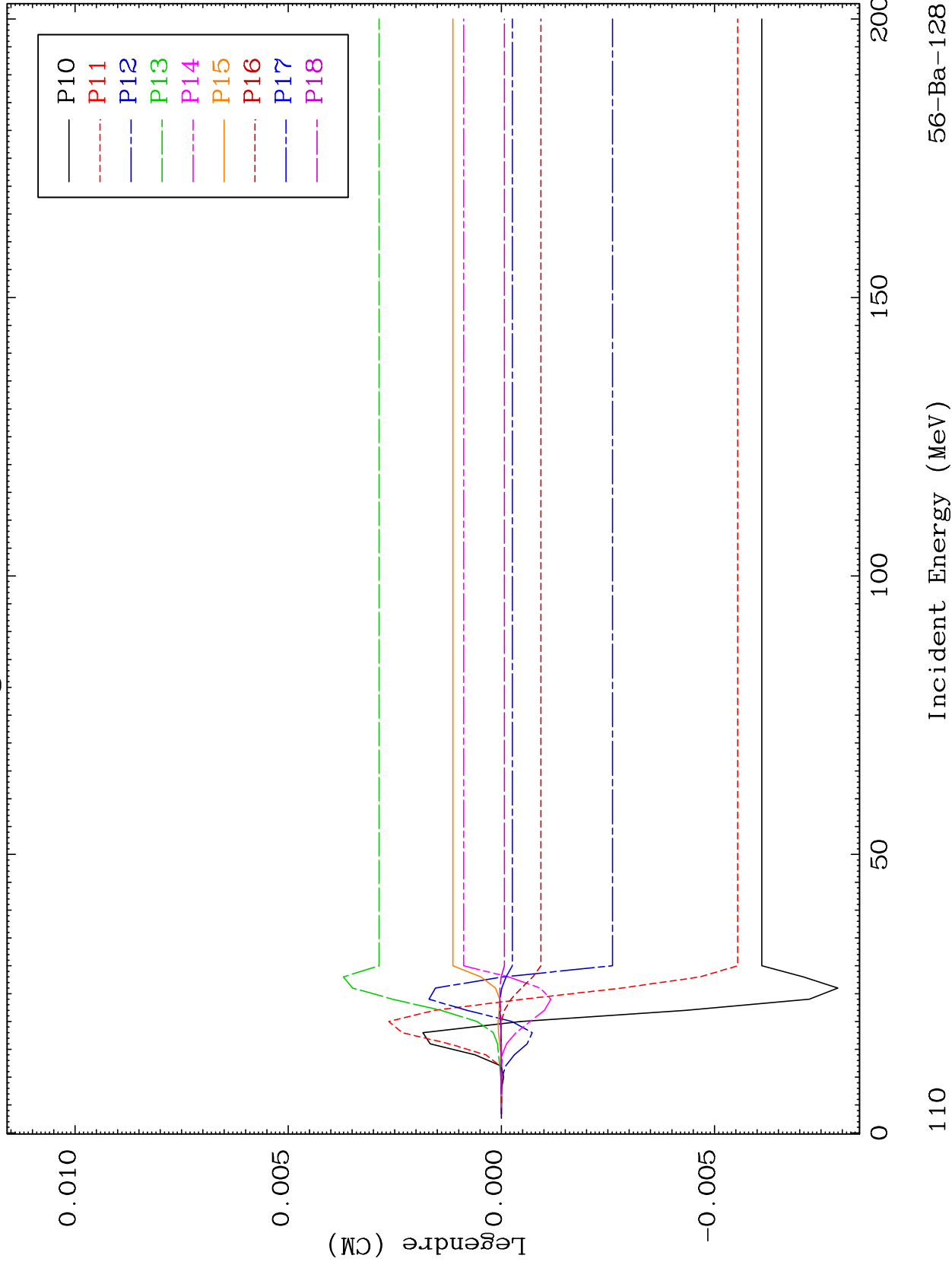
Incident Energy (MeV)

109

MAT 5619

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

56-Ba-128



56-Ba-128

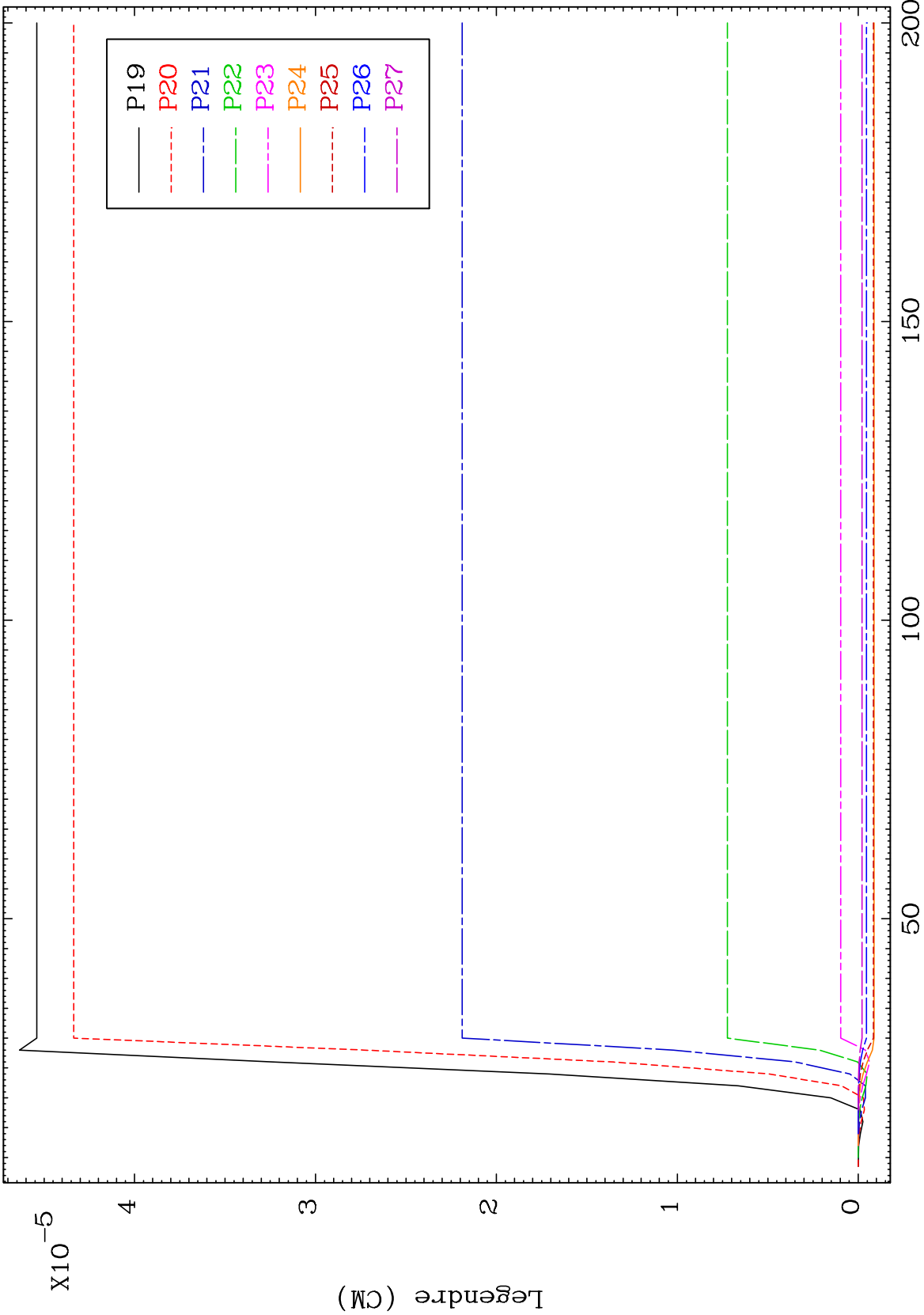
Incident Energy (MeV)

110

MAT 5619

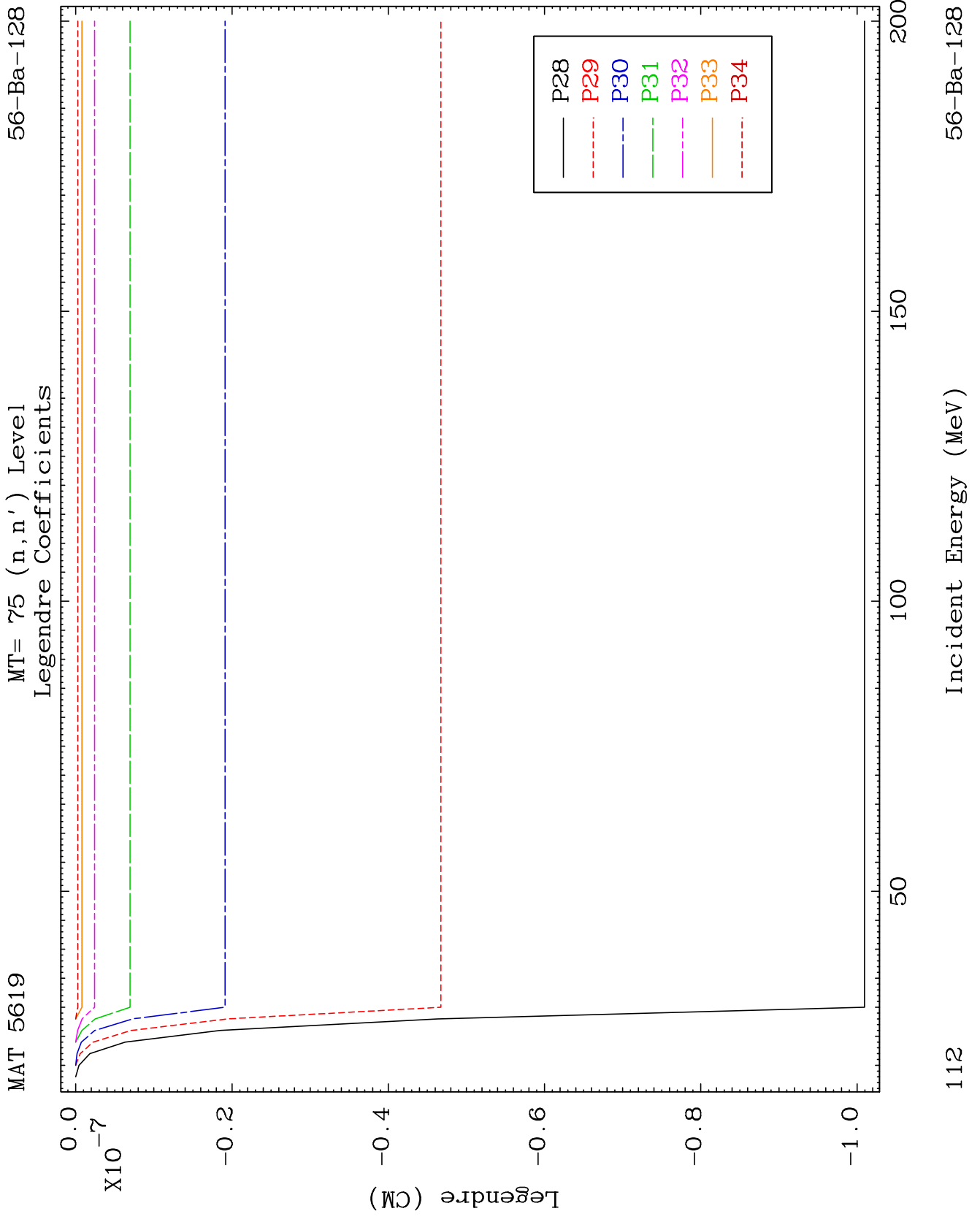
MT= 75 (n,n') Level
Legendre Coefficients

56-Ba-128



111

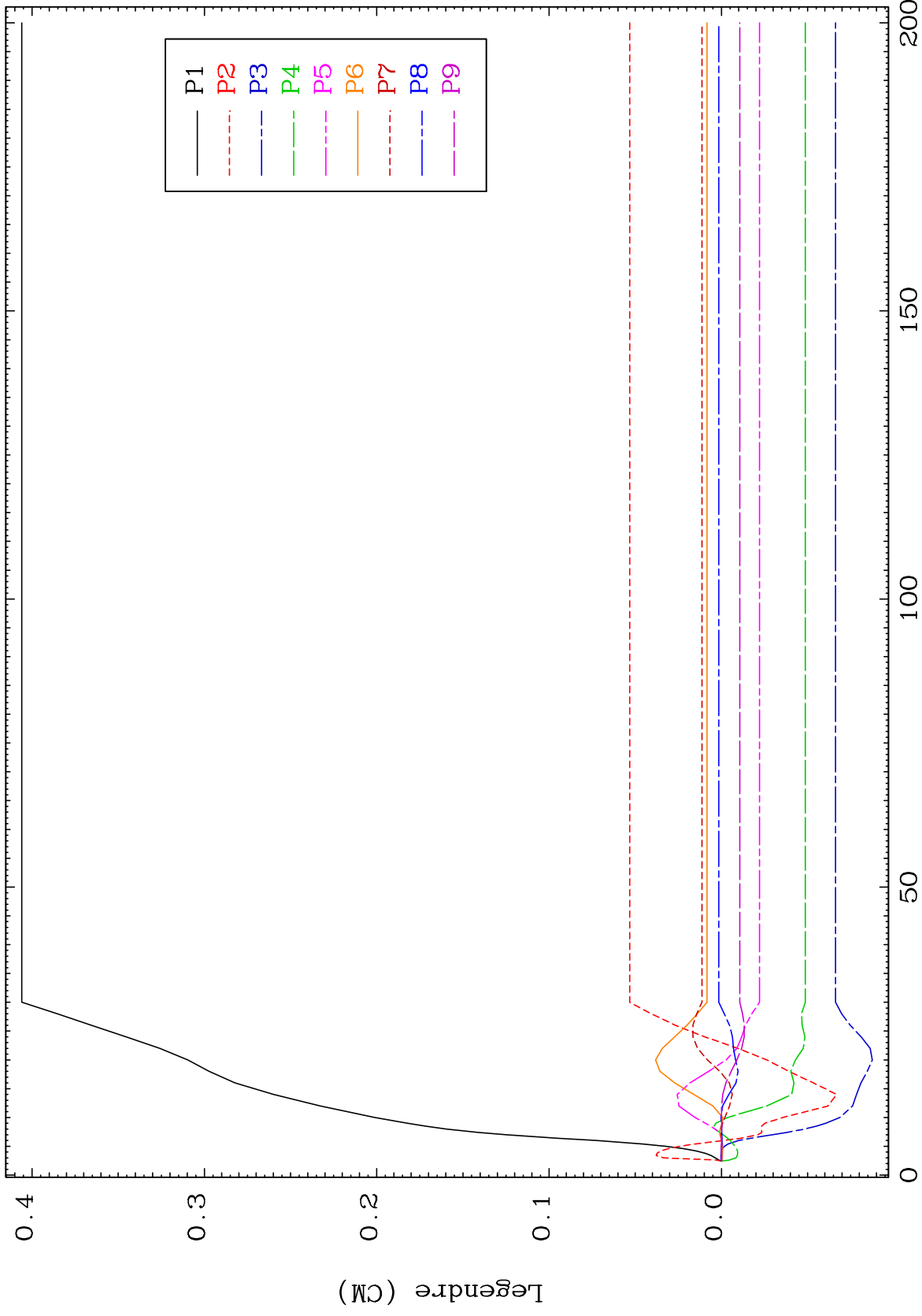
56-Ba-128



MAT 5619

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

56-Ba-128



113

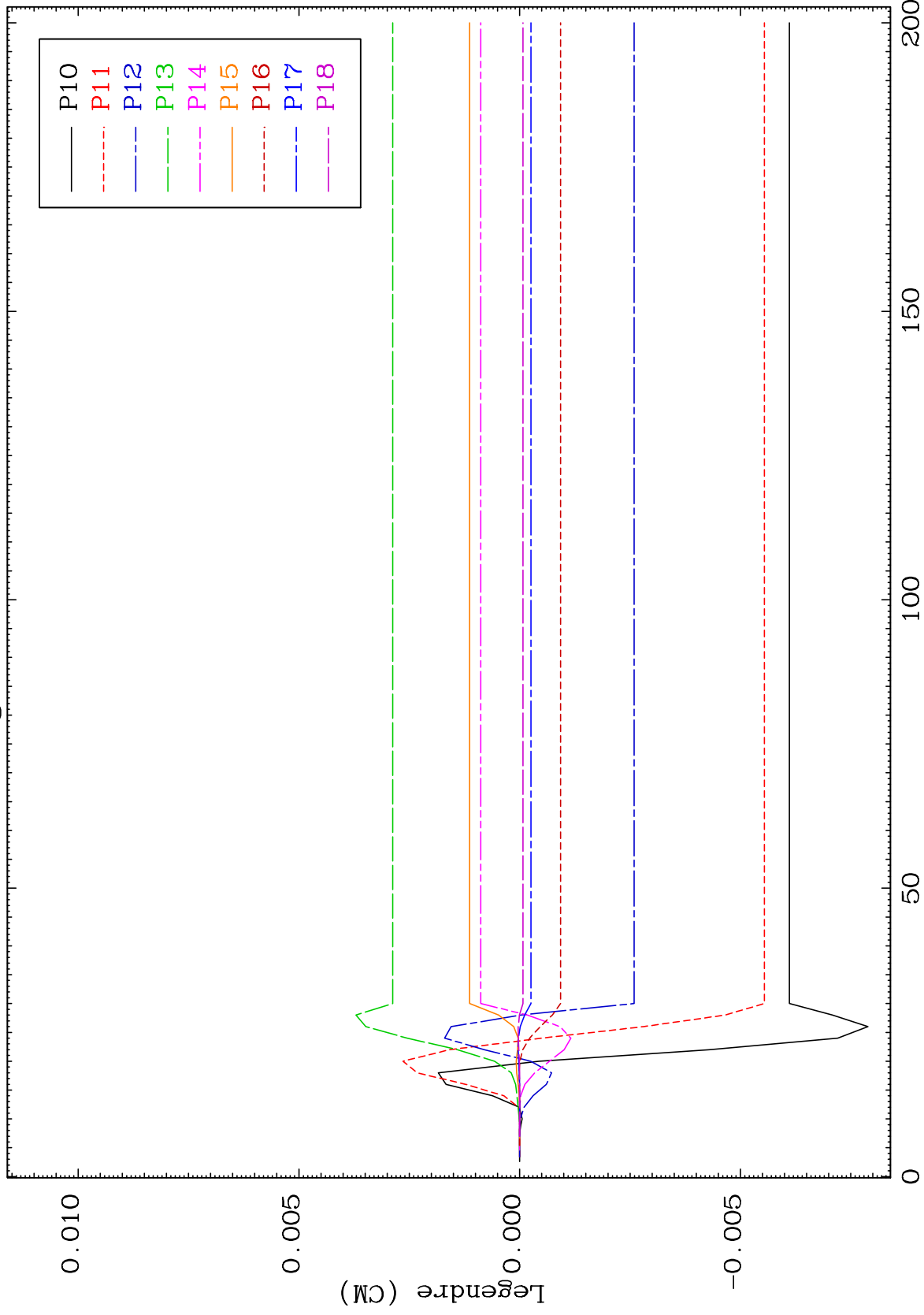
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

56-Ba-128



114

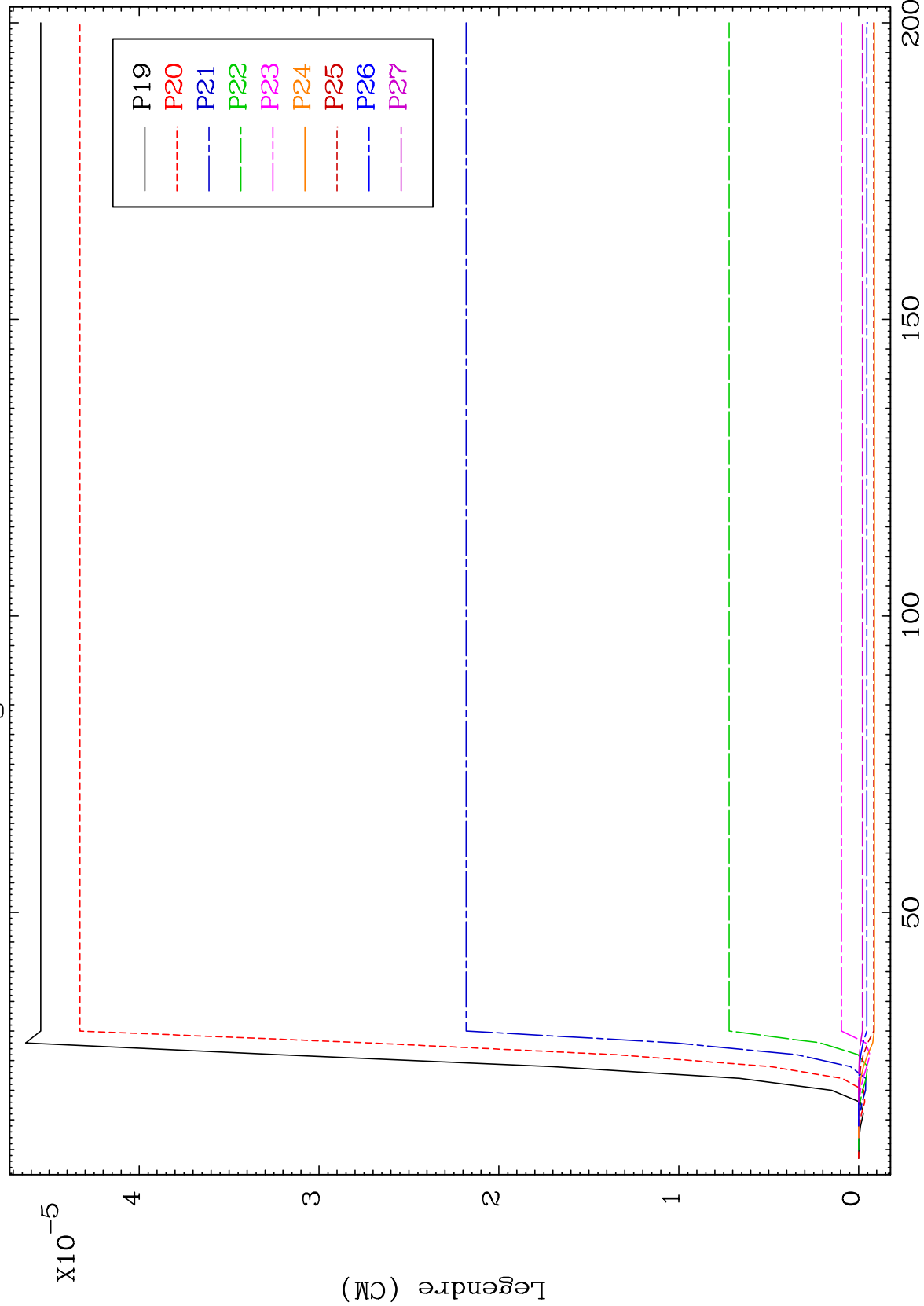
Incident Energy (MeV)

56-Ba-128

MAT 5619

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

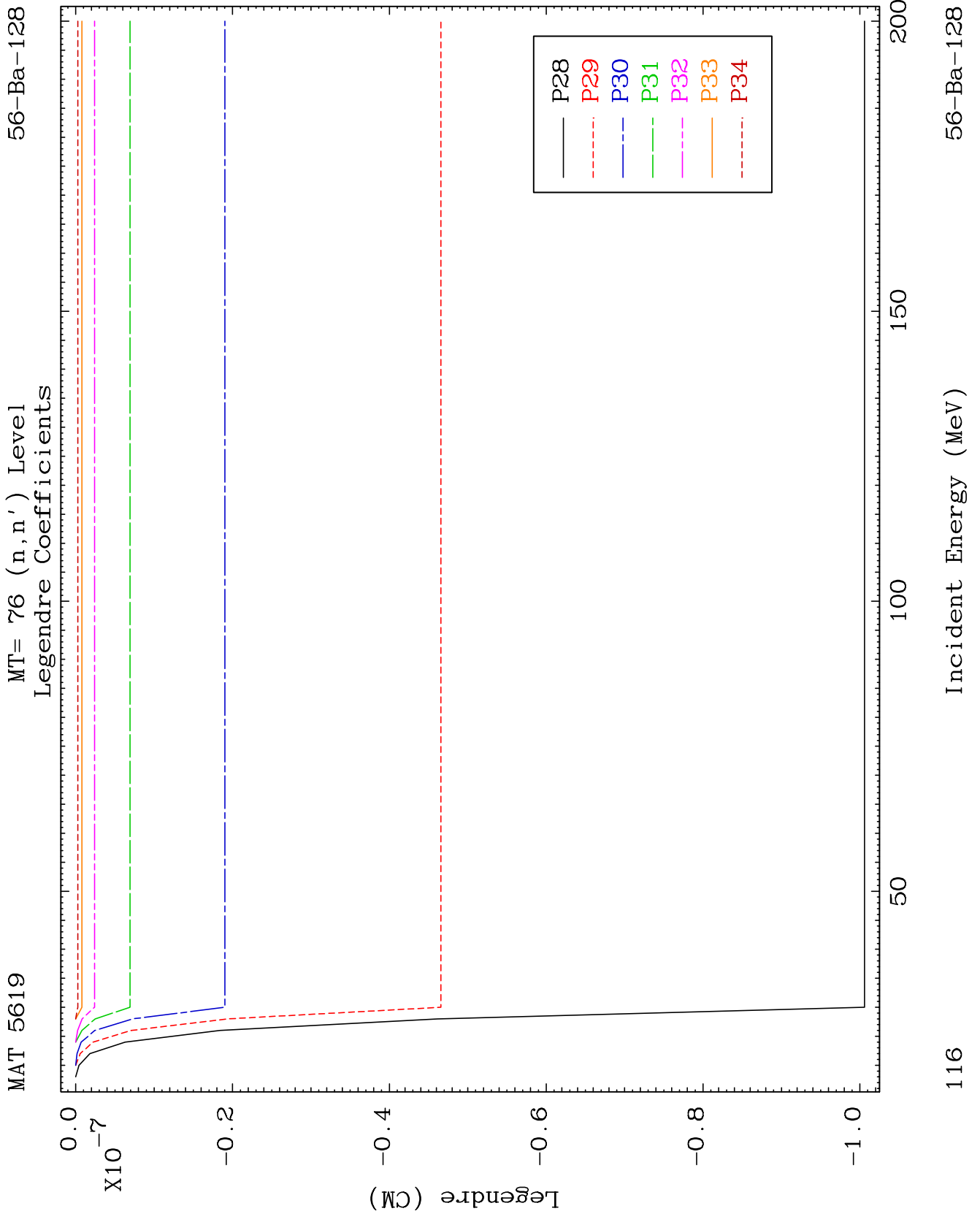
56-Ba-128

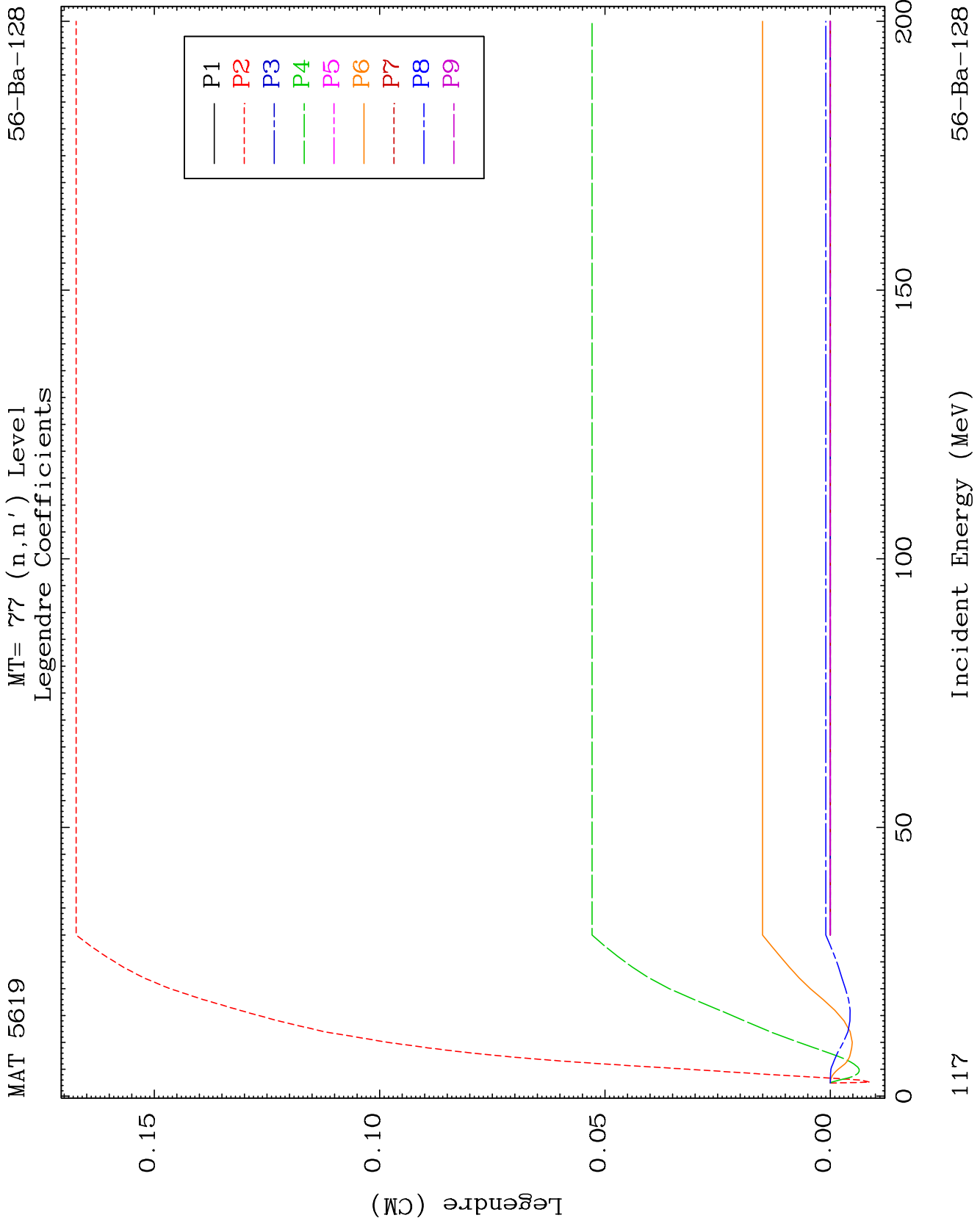


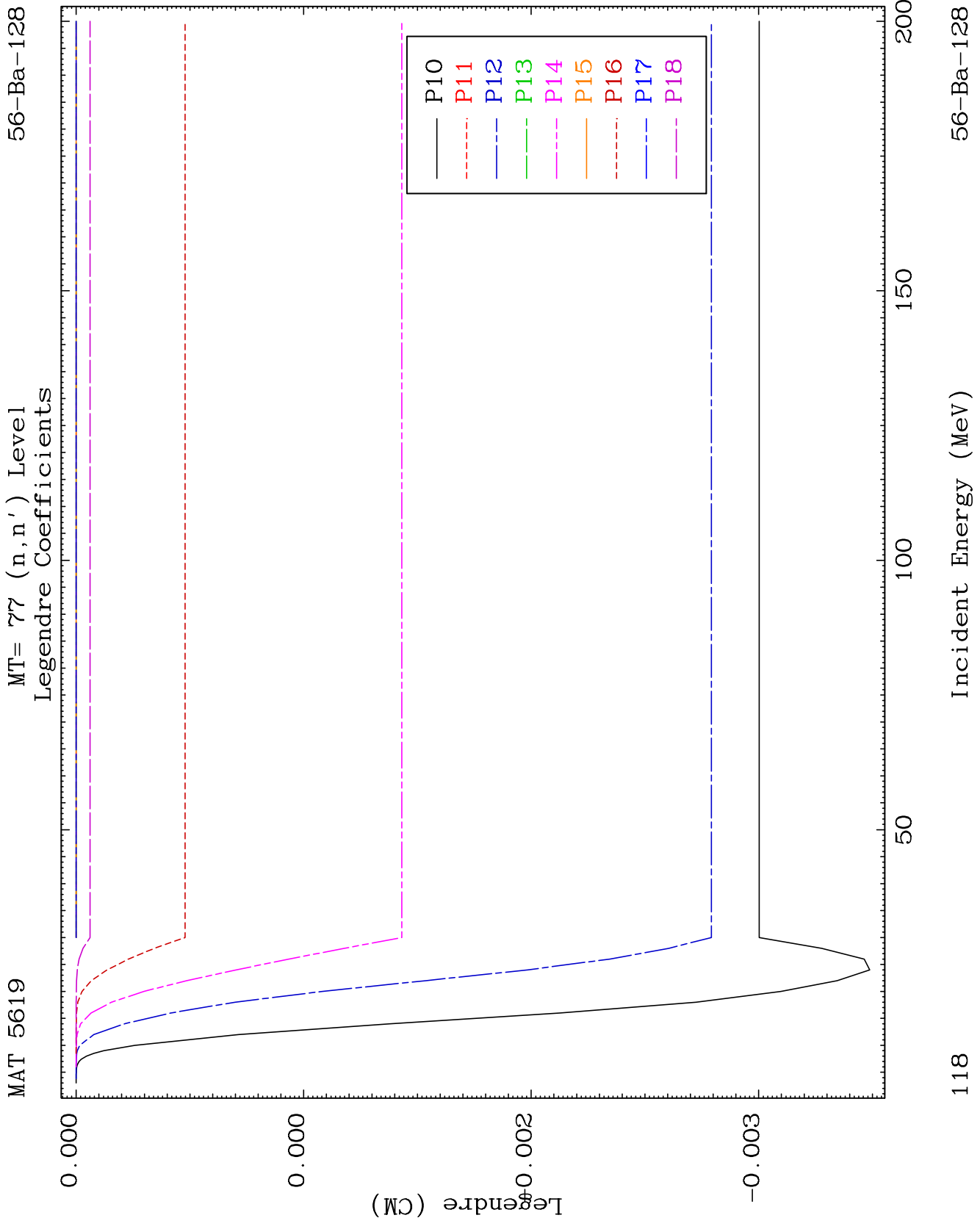
56-Ba-128

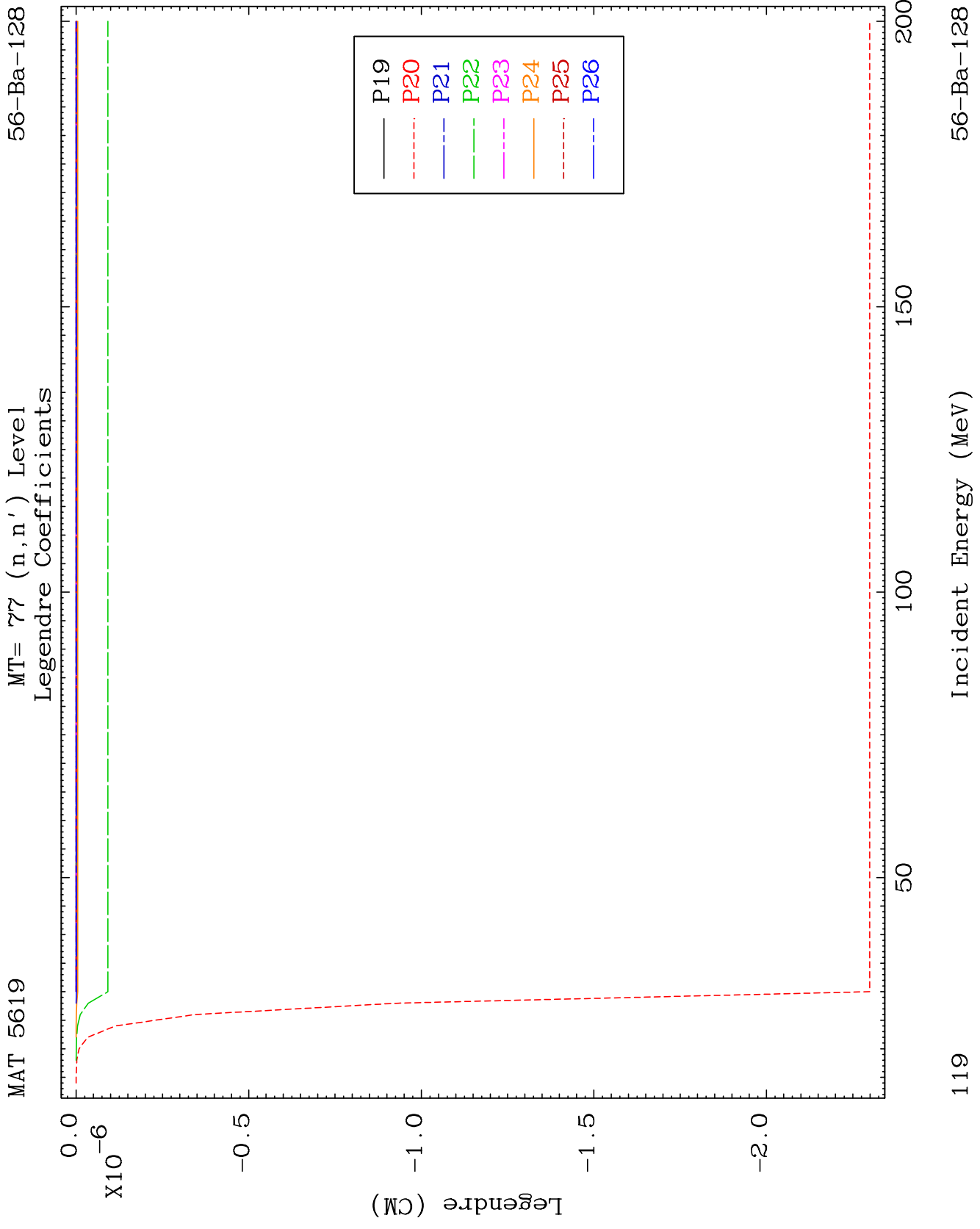
Incident Energy (MeV)

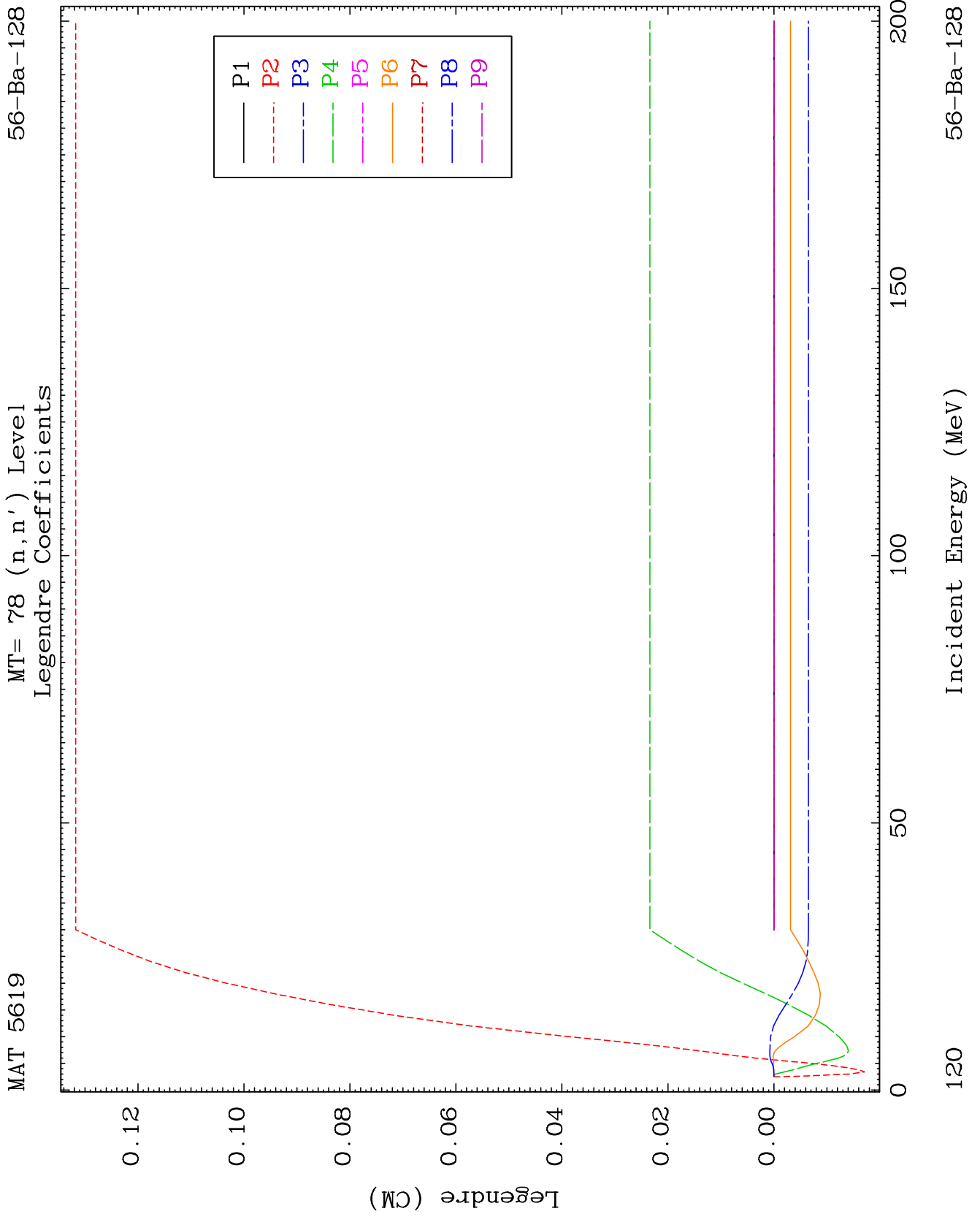
115







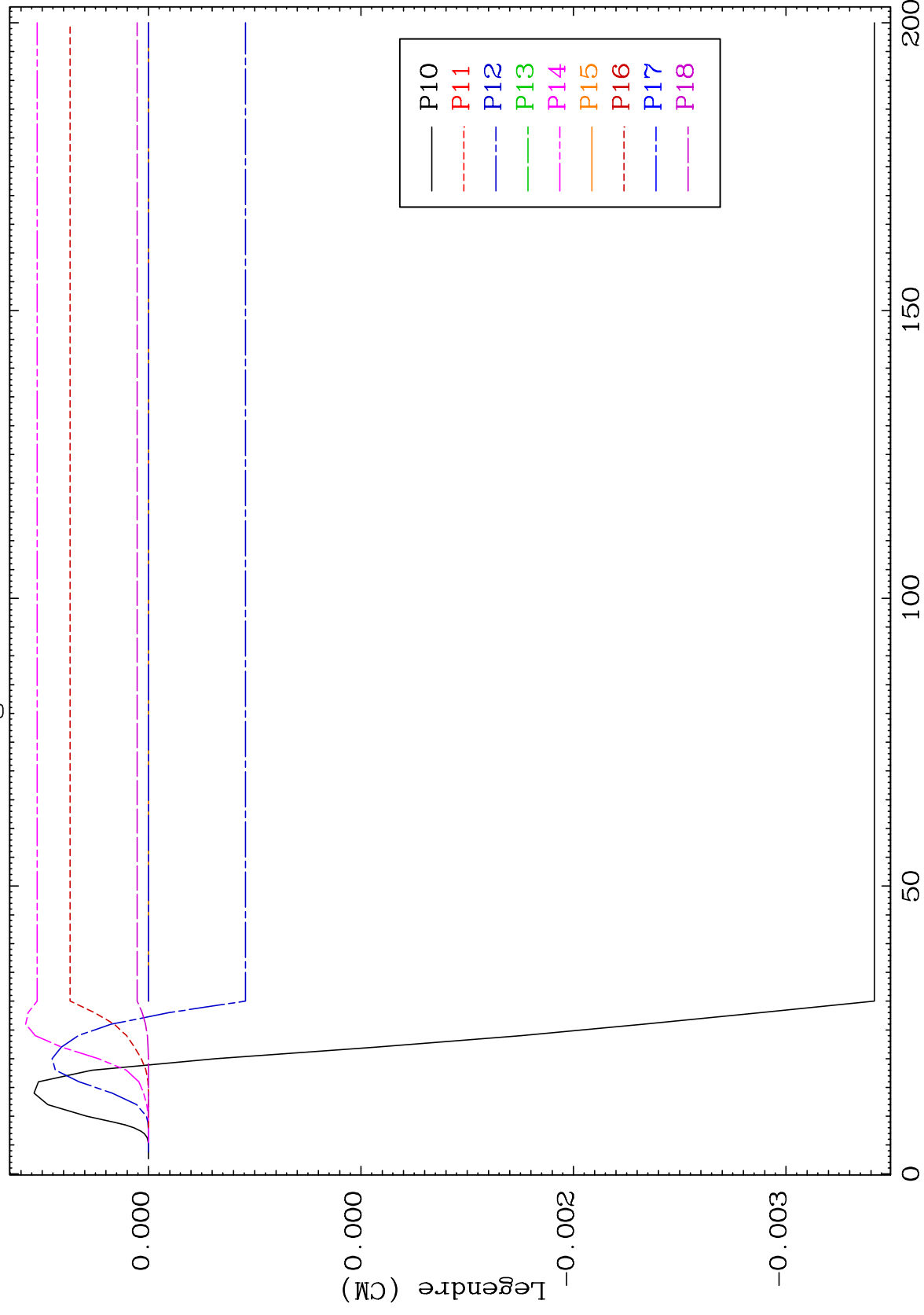




MAT 5619

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

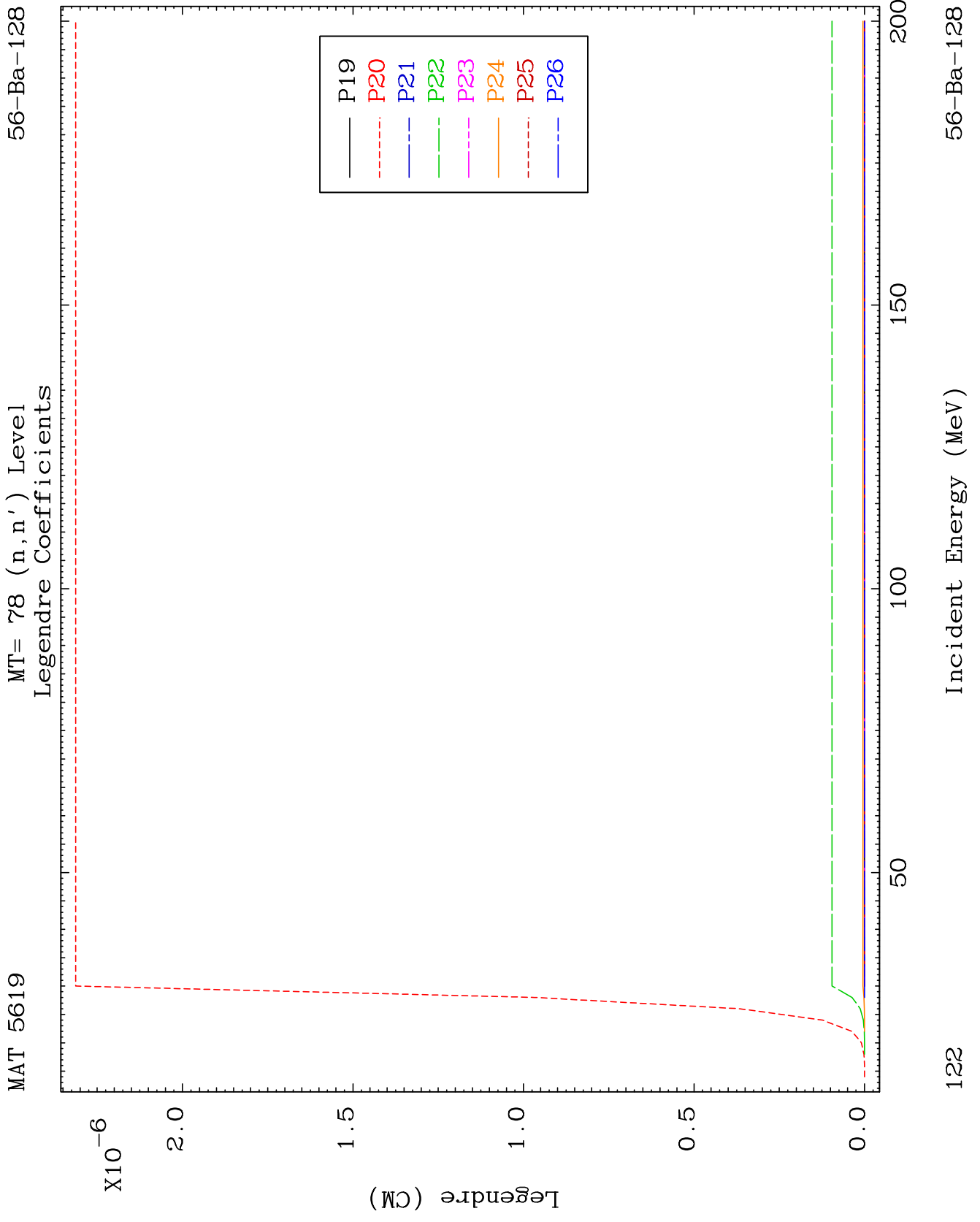
56-Ba-128



121

Incident Energy (MeV)

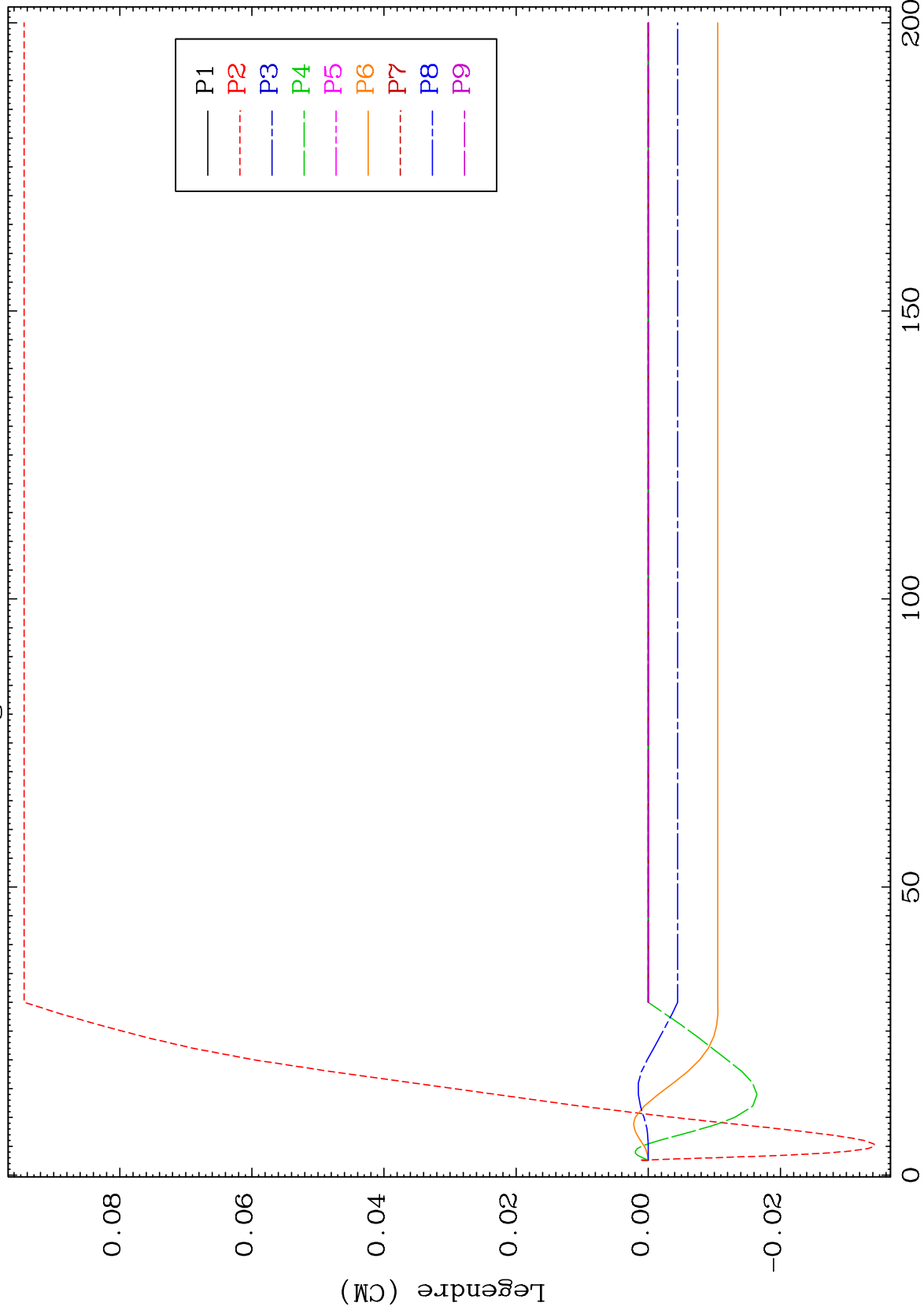
56-Ba-128



MAT 5619

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

56-Ba-128



56-Ba-128

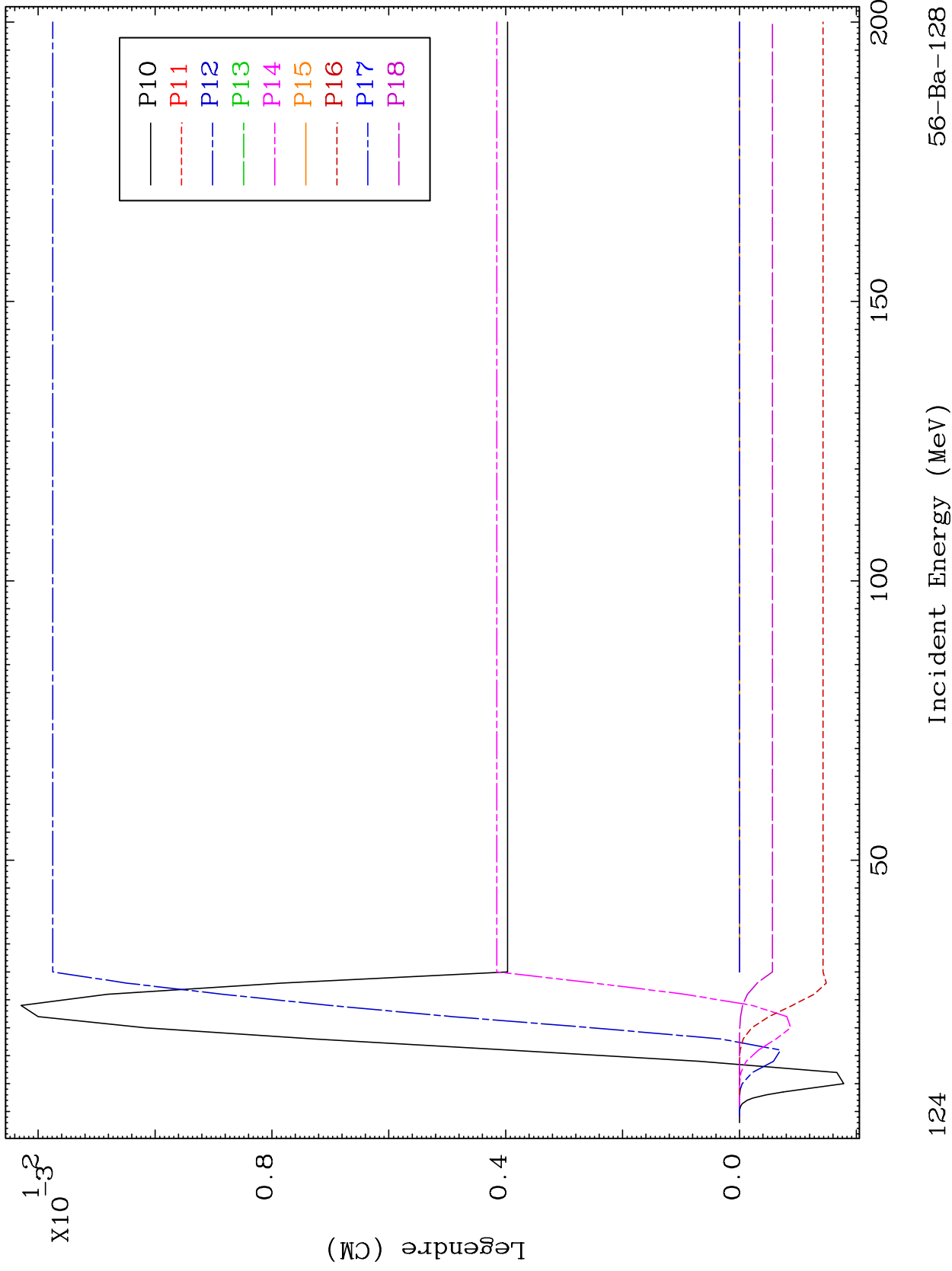
Incident Energy (MeV)

123

MAT 5619

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

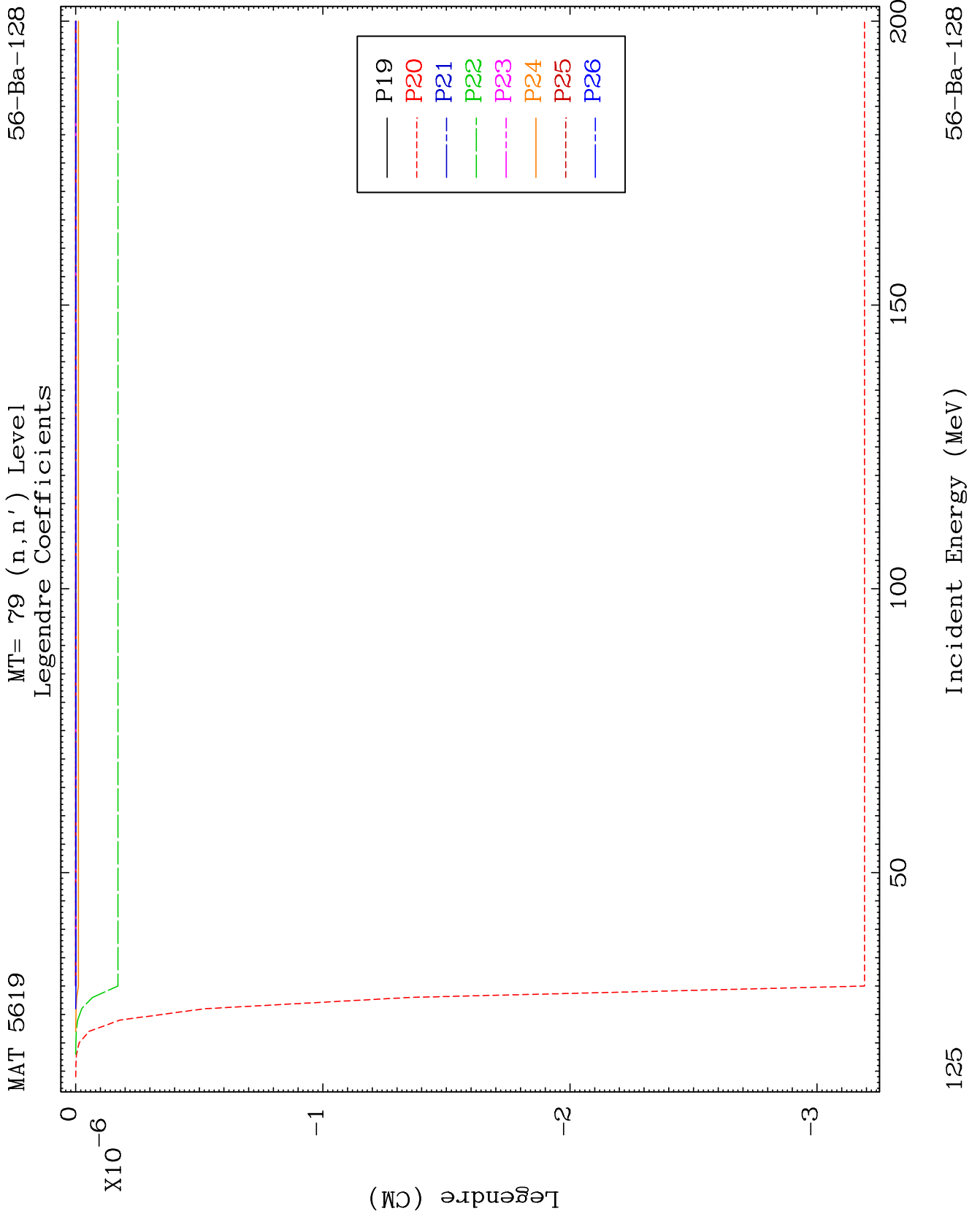
56-Ba-128

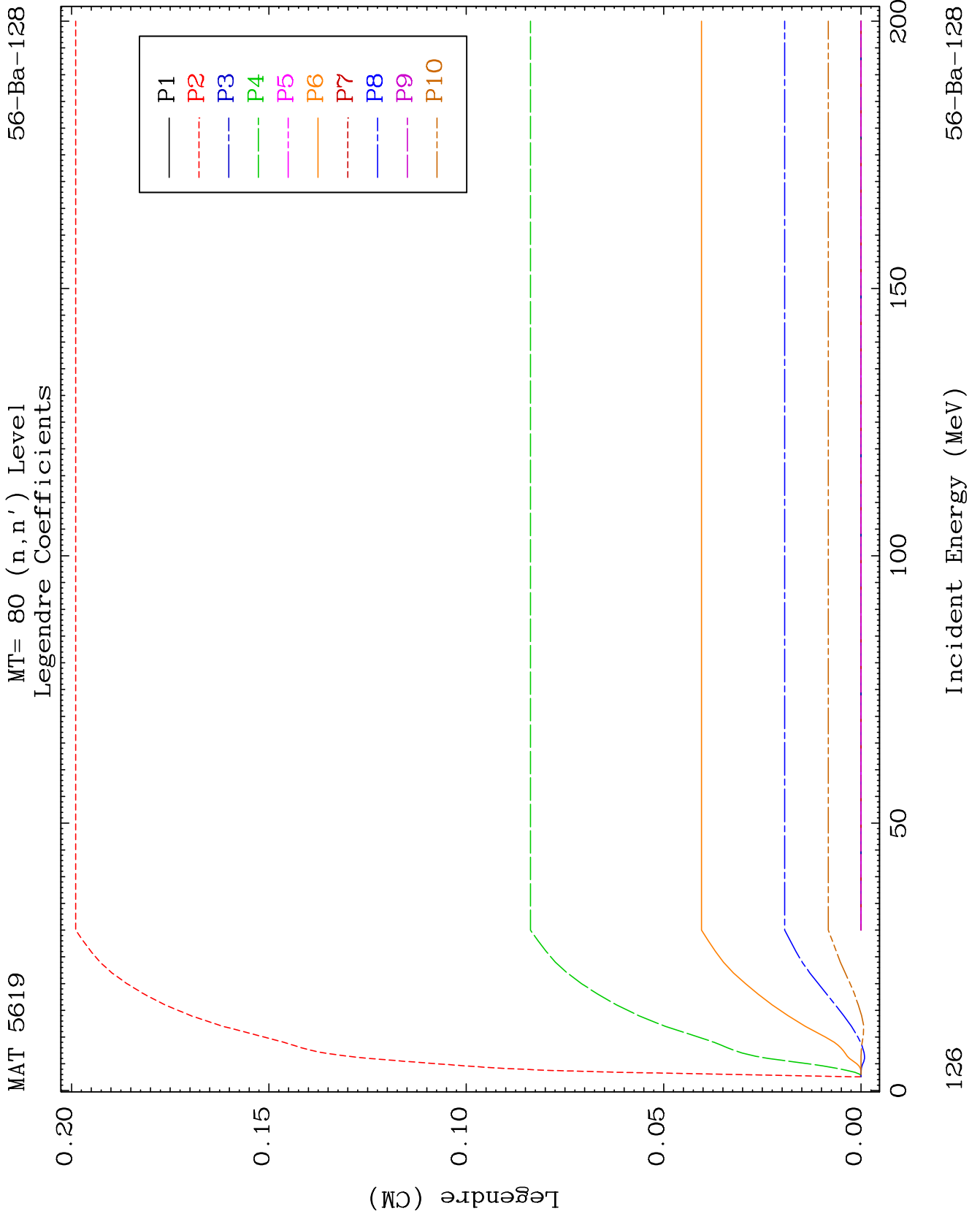


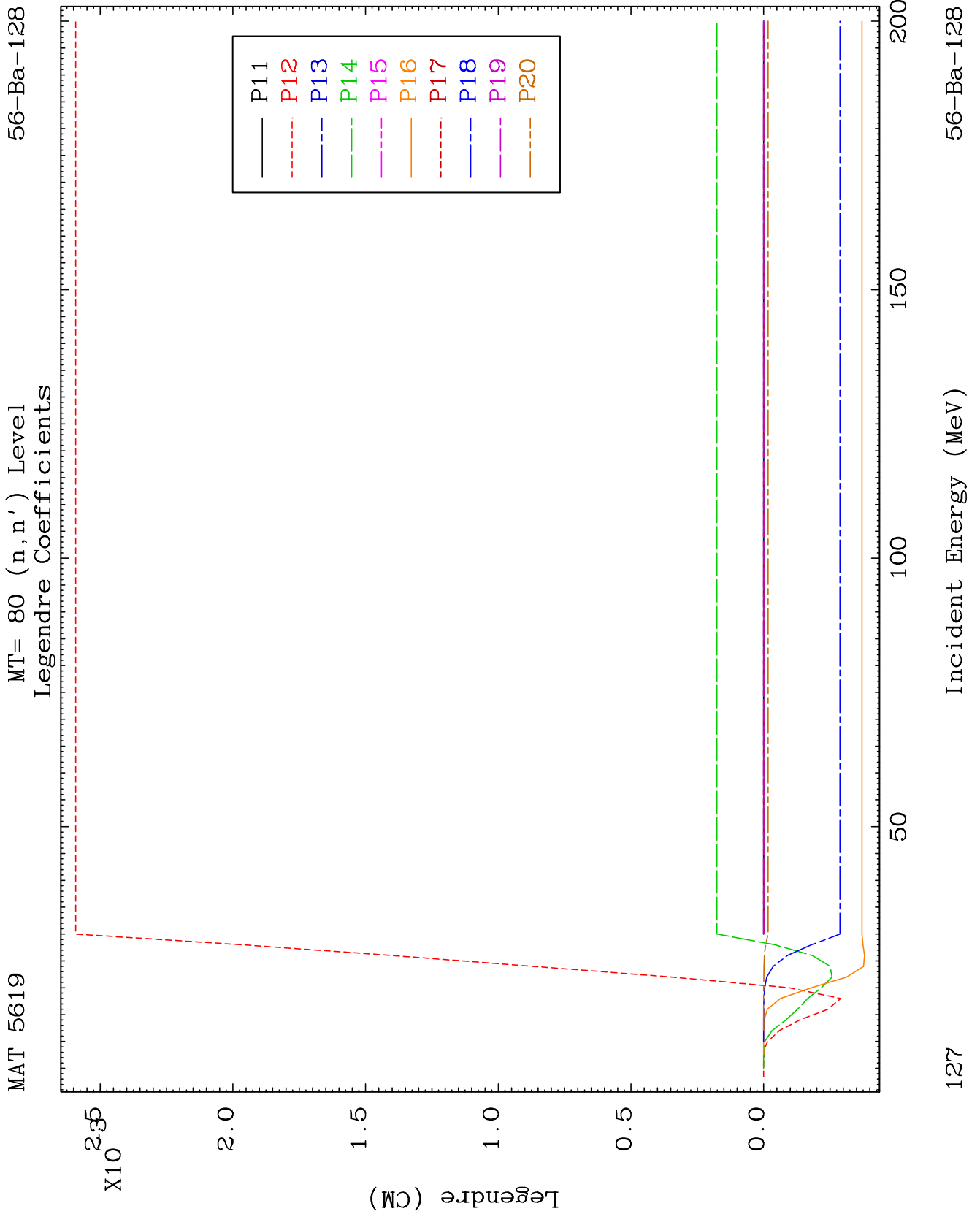
124

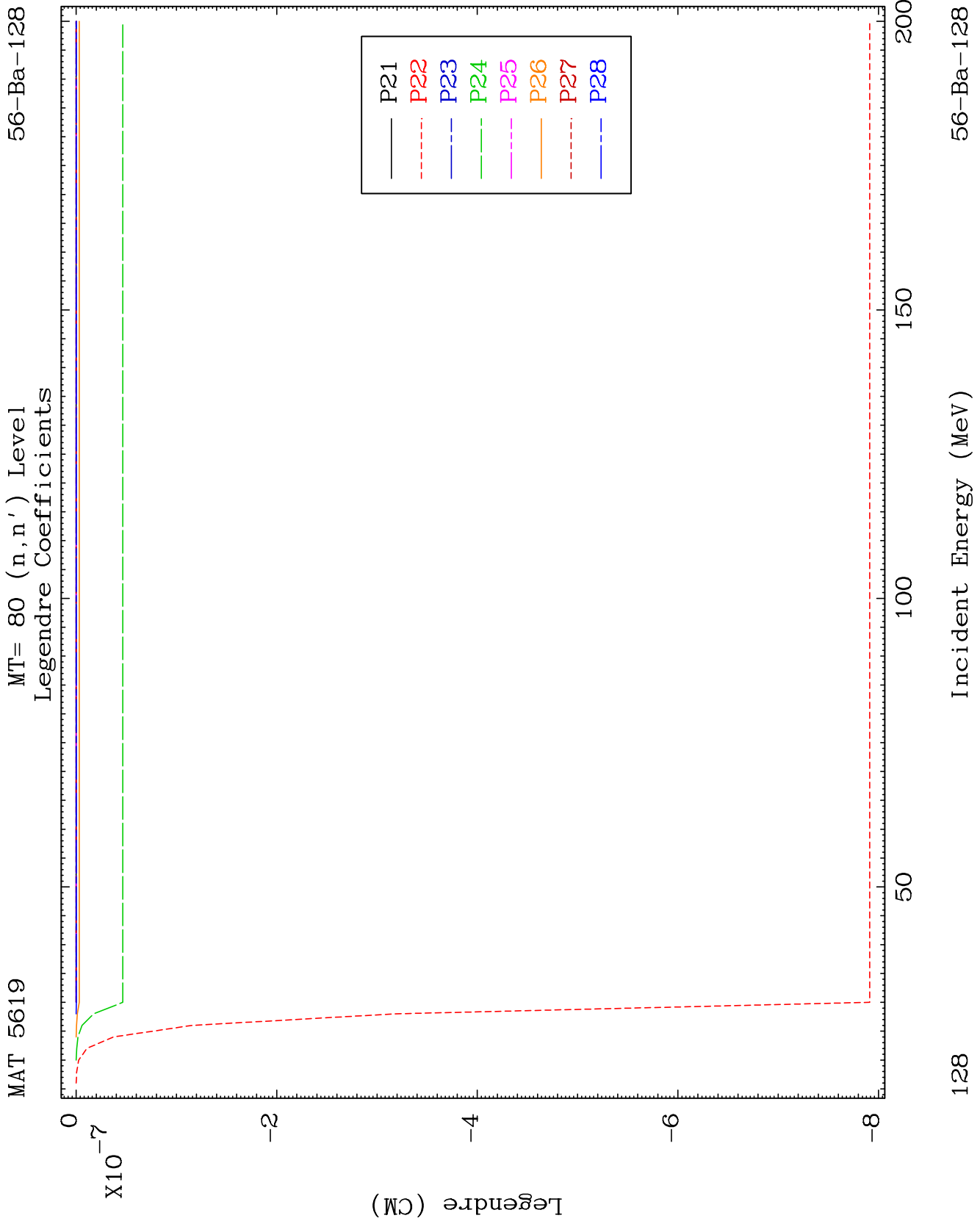
Incident Energy (MeV)

56-Ba-128





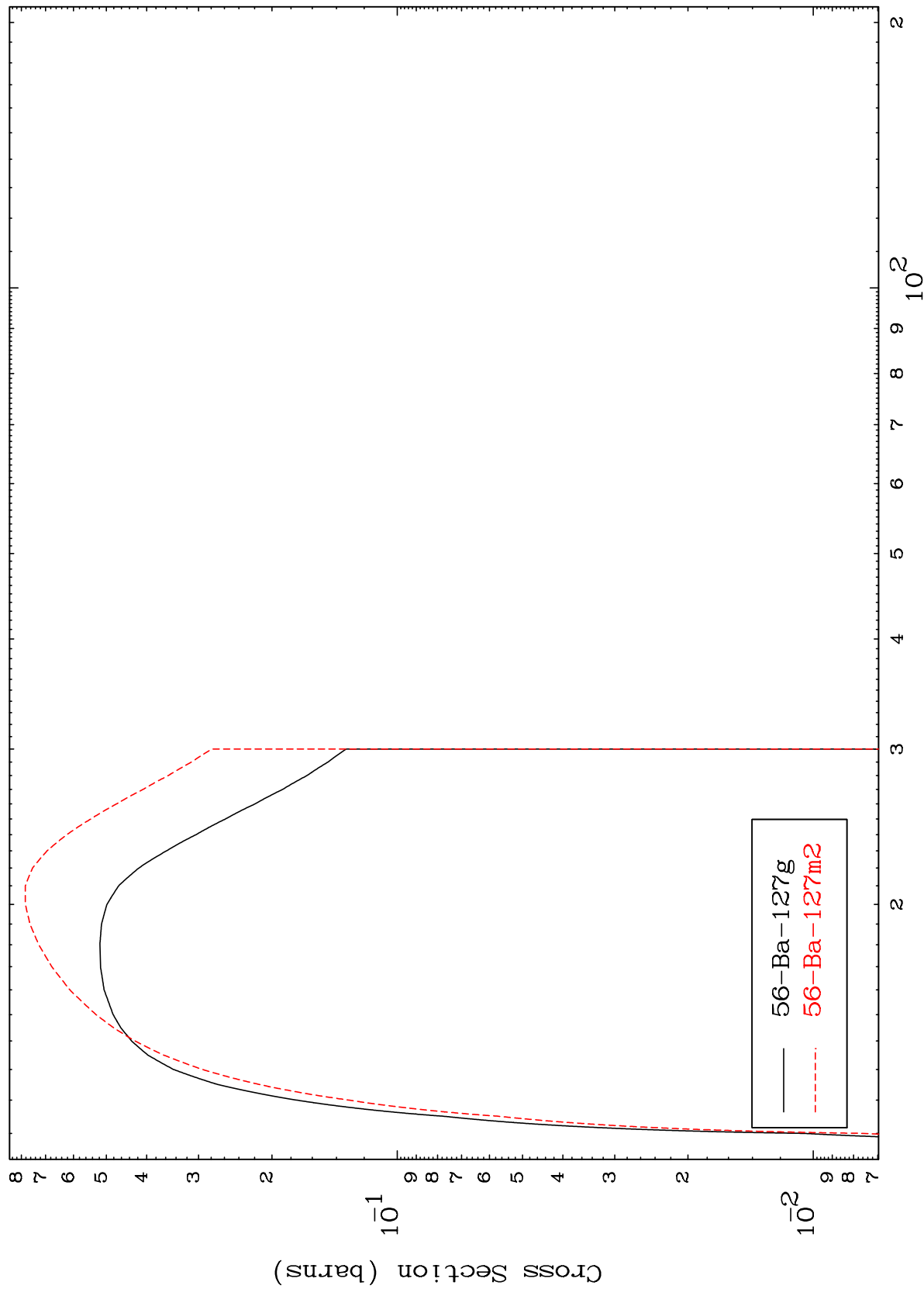




MAT 5619

56-Ba-128

(n,2n)
Radionuclide Production Cross Section



129

Incident Energy (MeV)

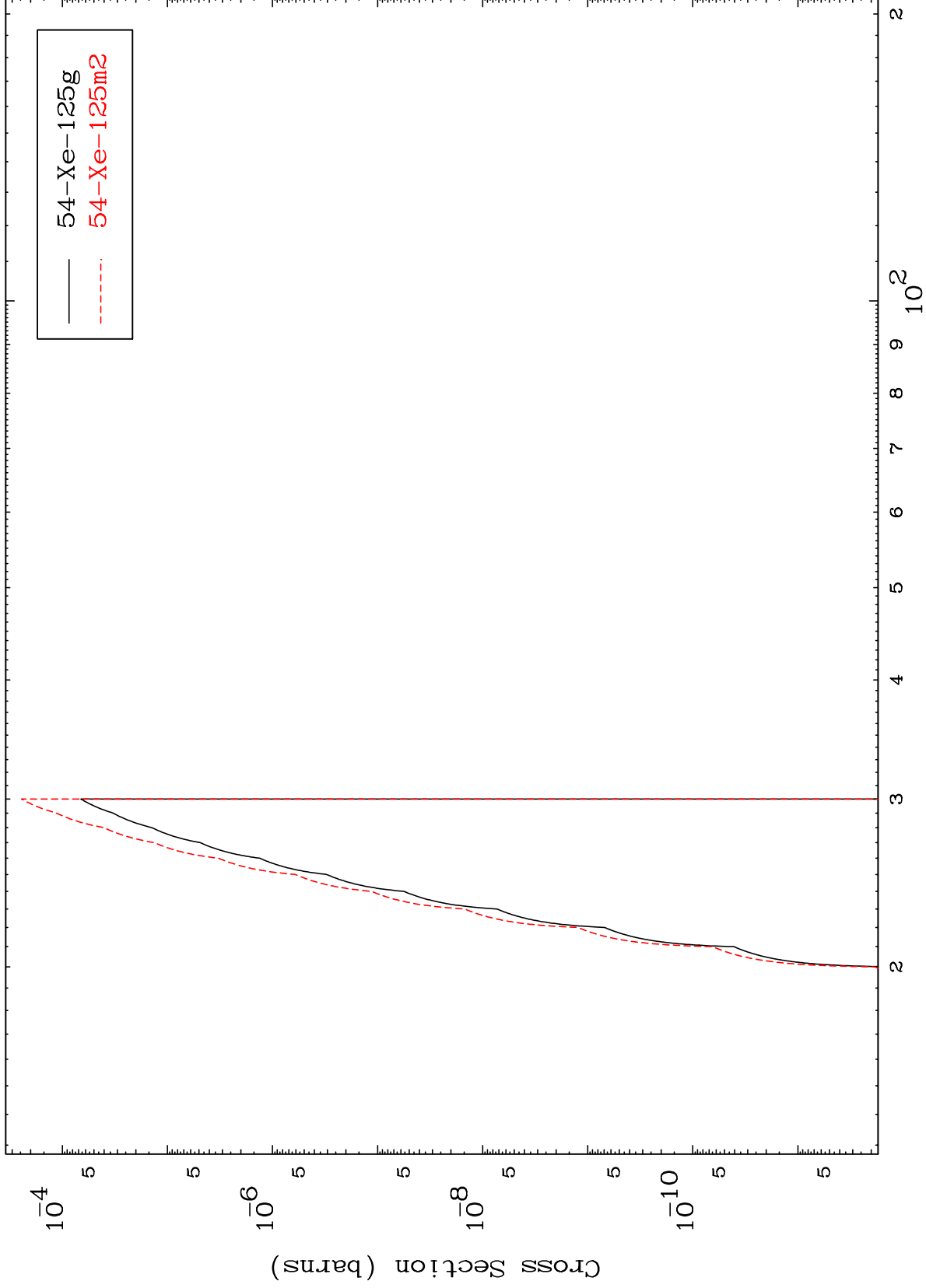
56-Ba-128

MAT 5619

(n,n') He-3

56-Ba-128

Radionuclide Production Cross Section



130

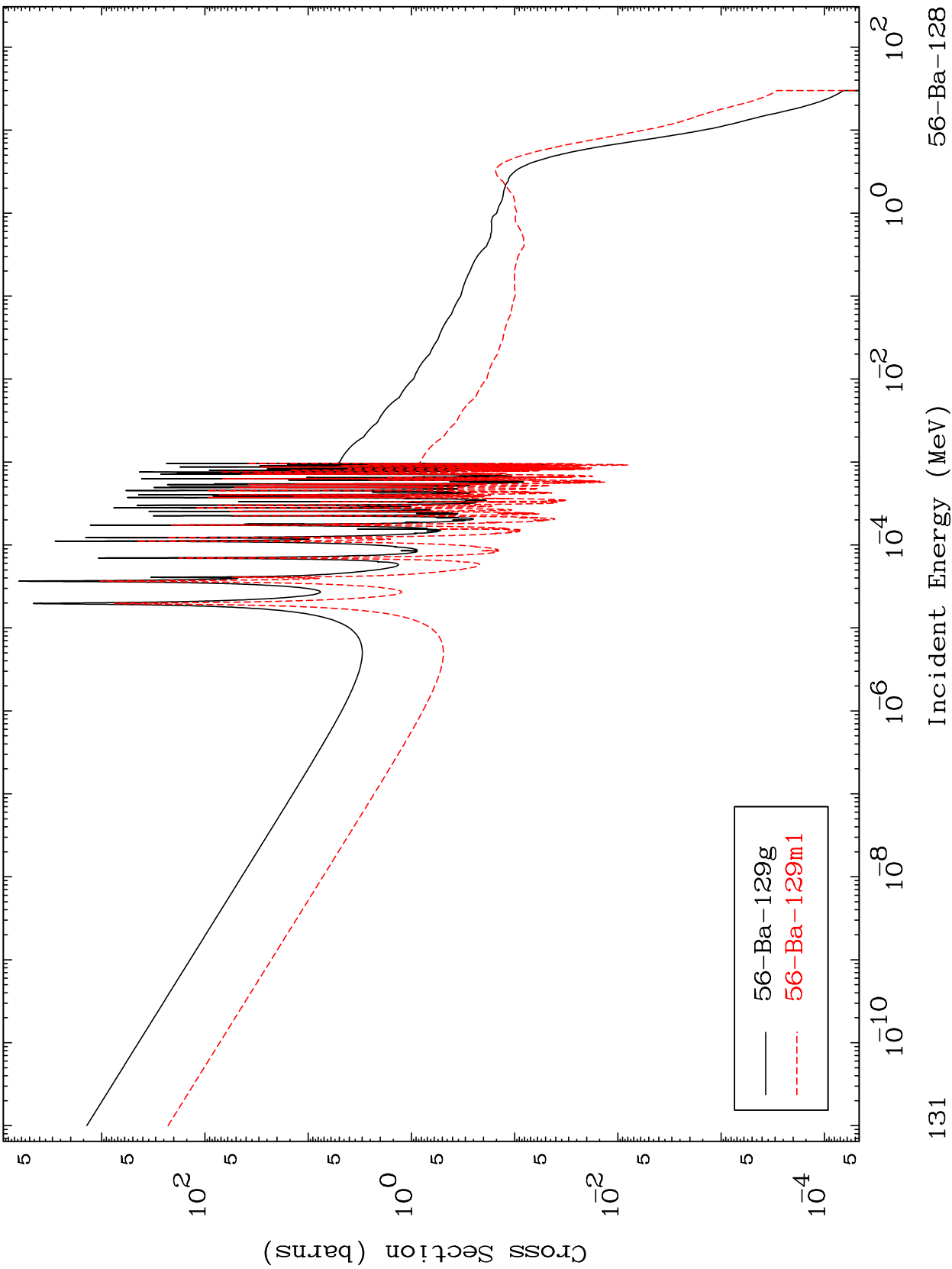
Incident Energy (MeV)

56-Ba-128

MAT 5619

56-Ba-128

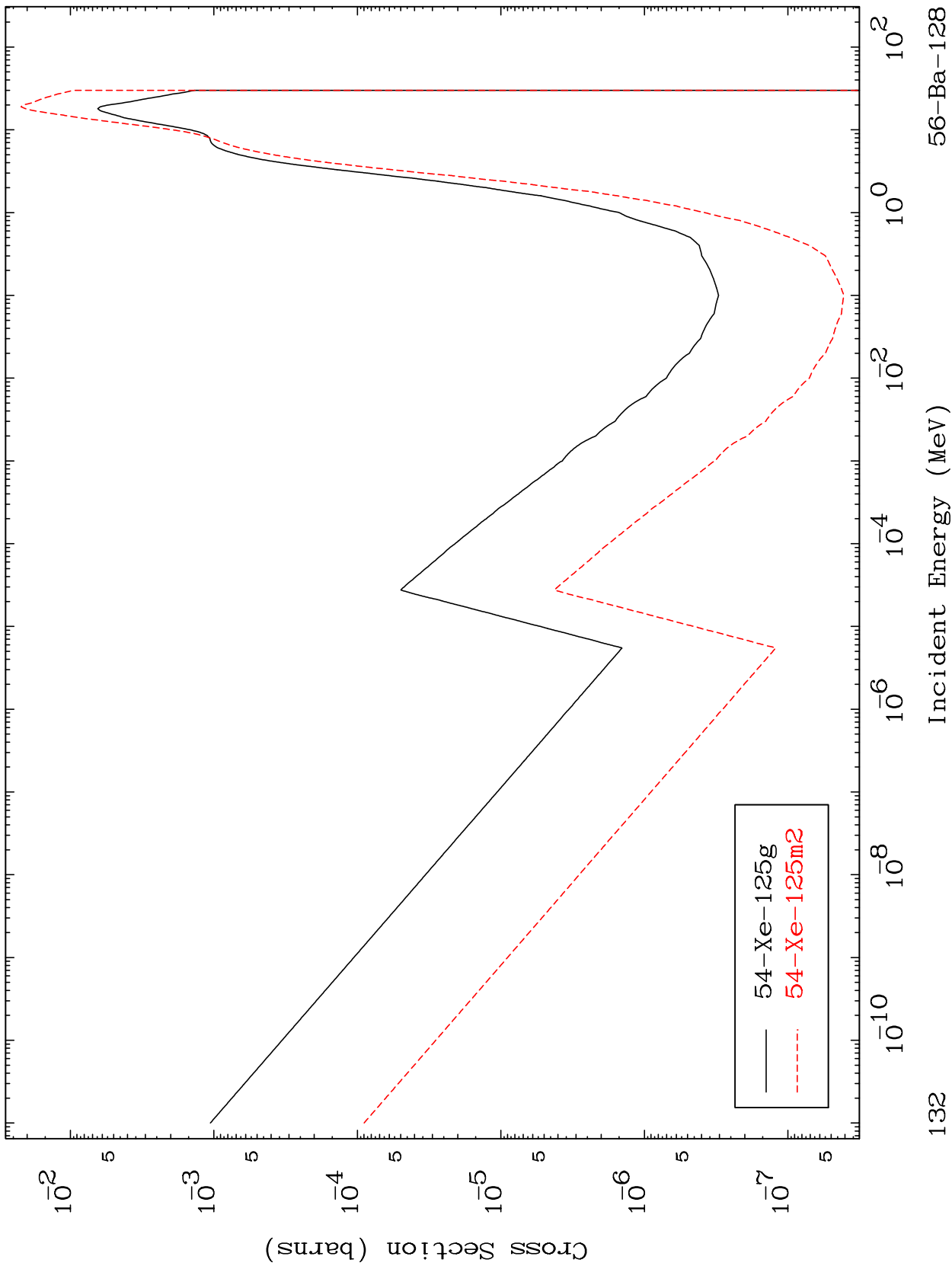
(n,γ)
Radionuclide Production Cross Section



MAT 5619

56-Ba-128

Radionuclide Production Cross Section
(n, α)

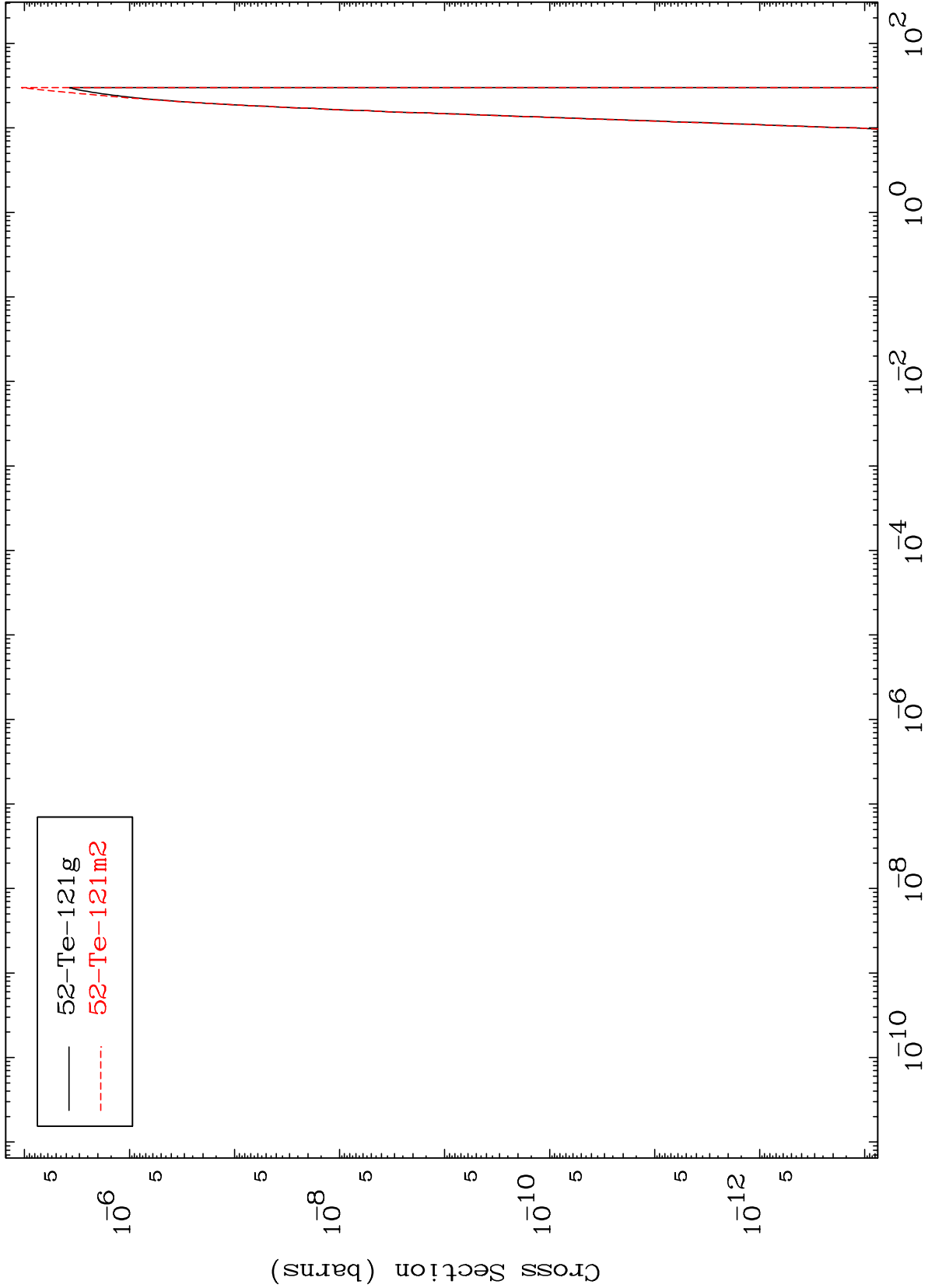


MAT 5619

(n,2α)

56-Ba-128

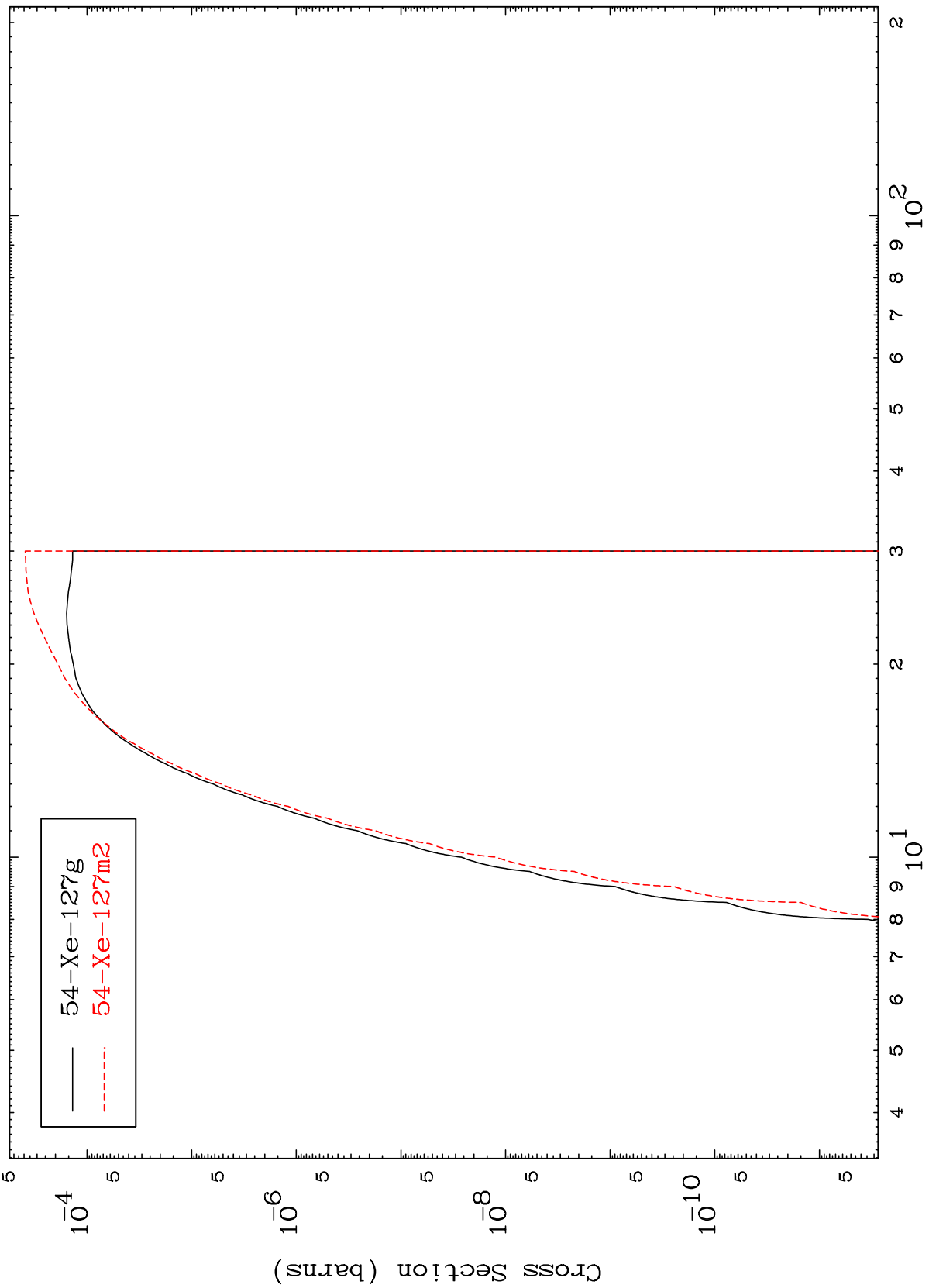
Radionuclide Production Cross Section



MAT 5619

56-Ba-128

Radionuclide Production Cross Section
(n,2p)



134

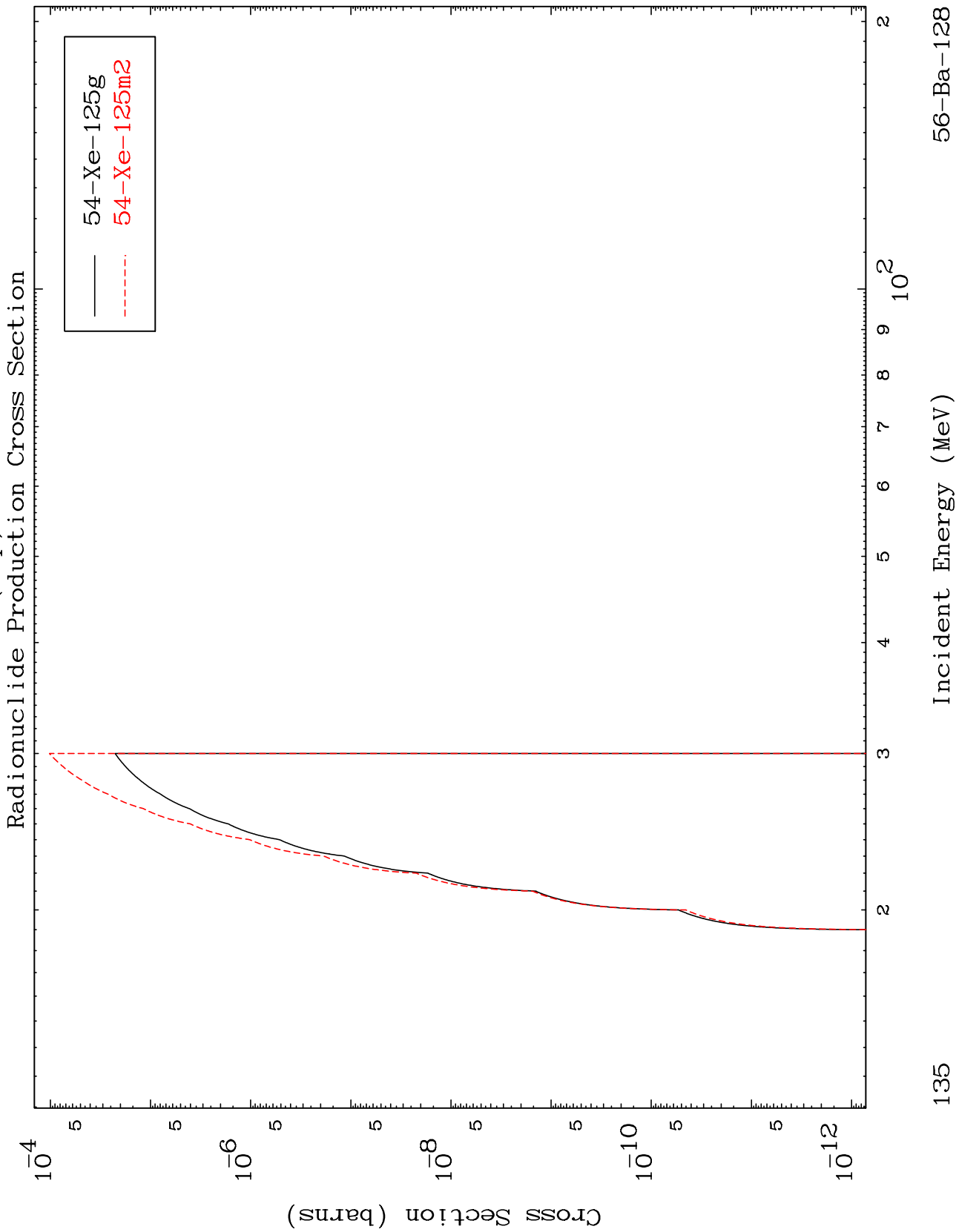
Incident Energy (MeV)

56-Ba-128

MAT 5619

(n,p) t

56-Ba-128



135

Incident Energy (MeV)

56-Ba-128