

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

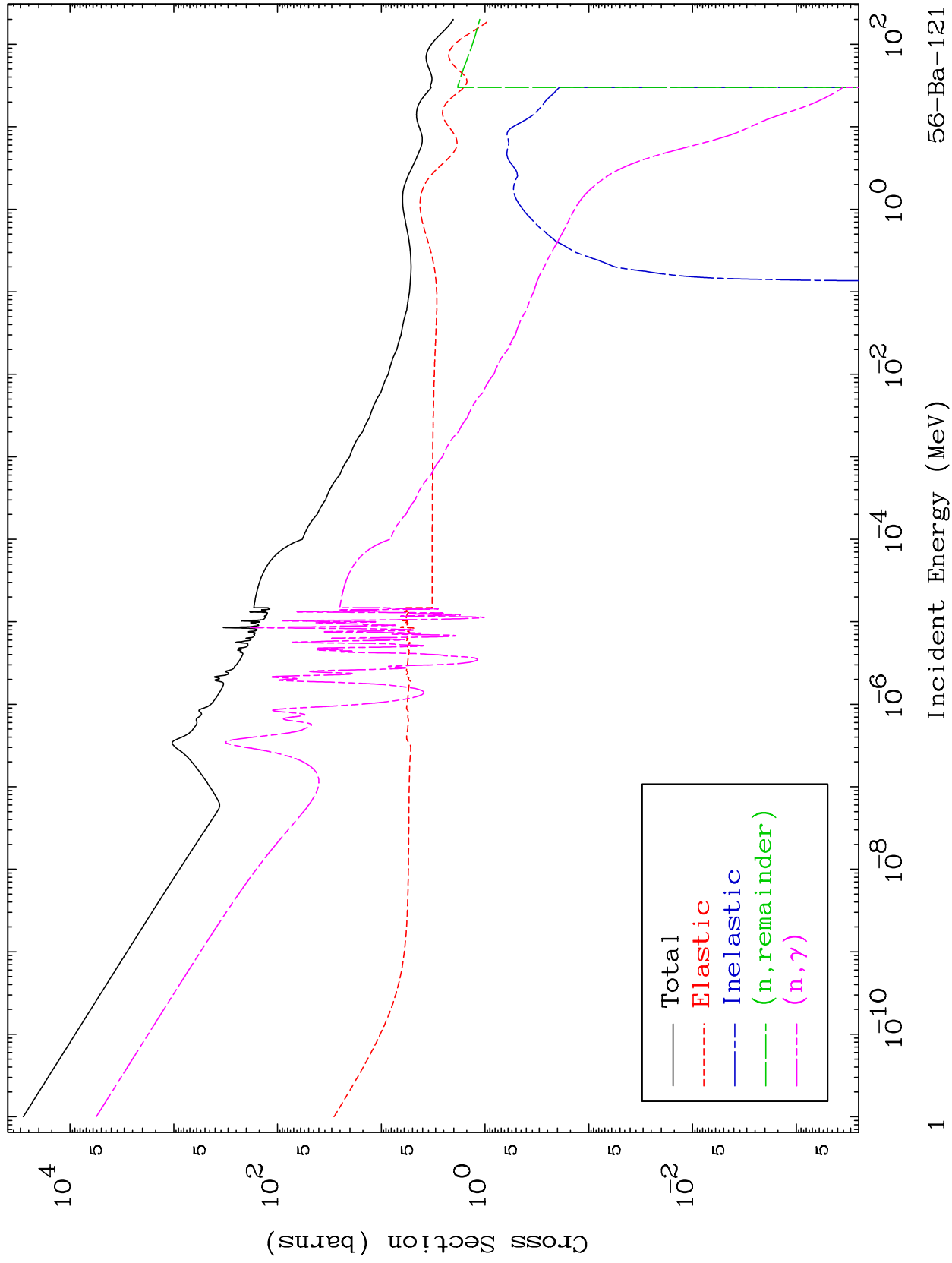
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5598

Major
293 Kelvin Cross Sections

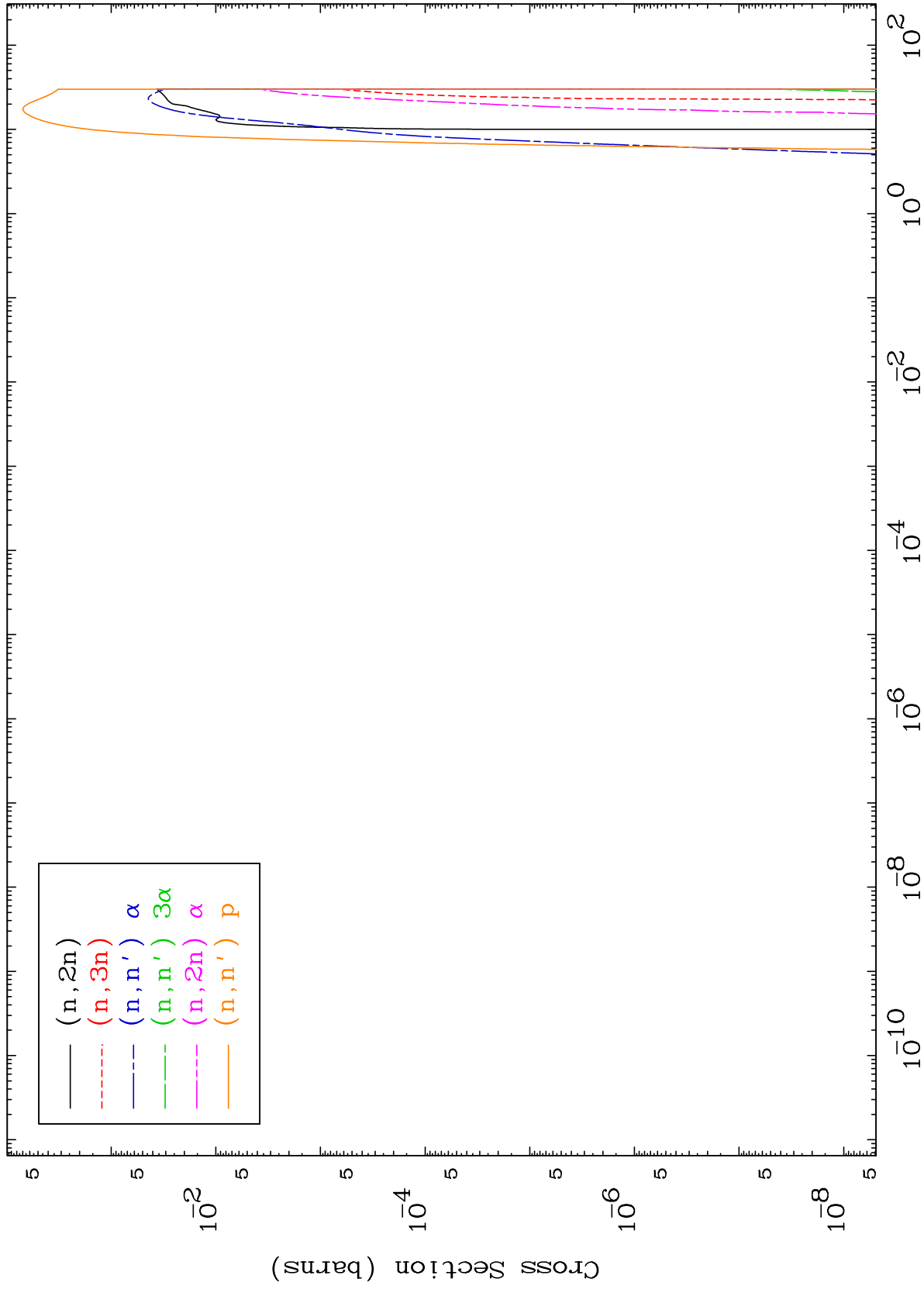
56-Ba-121



MAT 5598

Neutron Production
293 Kelvin Cross Sections

56-Ba-121

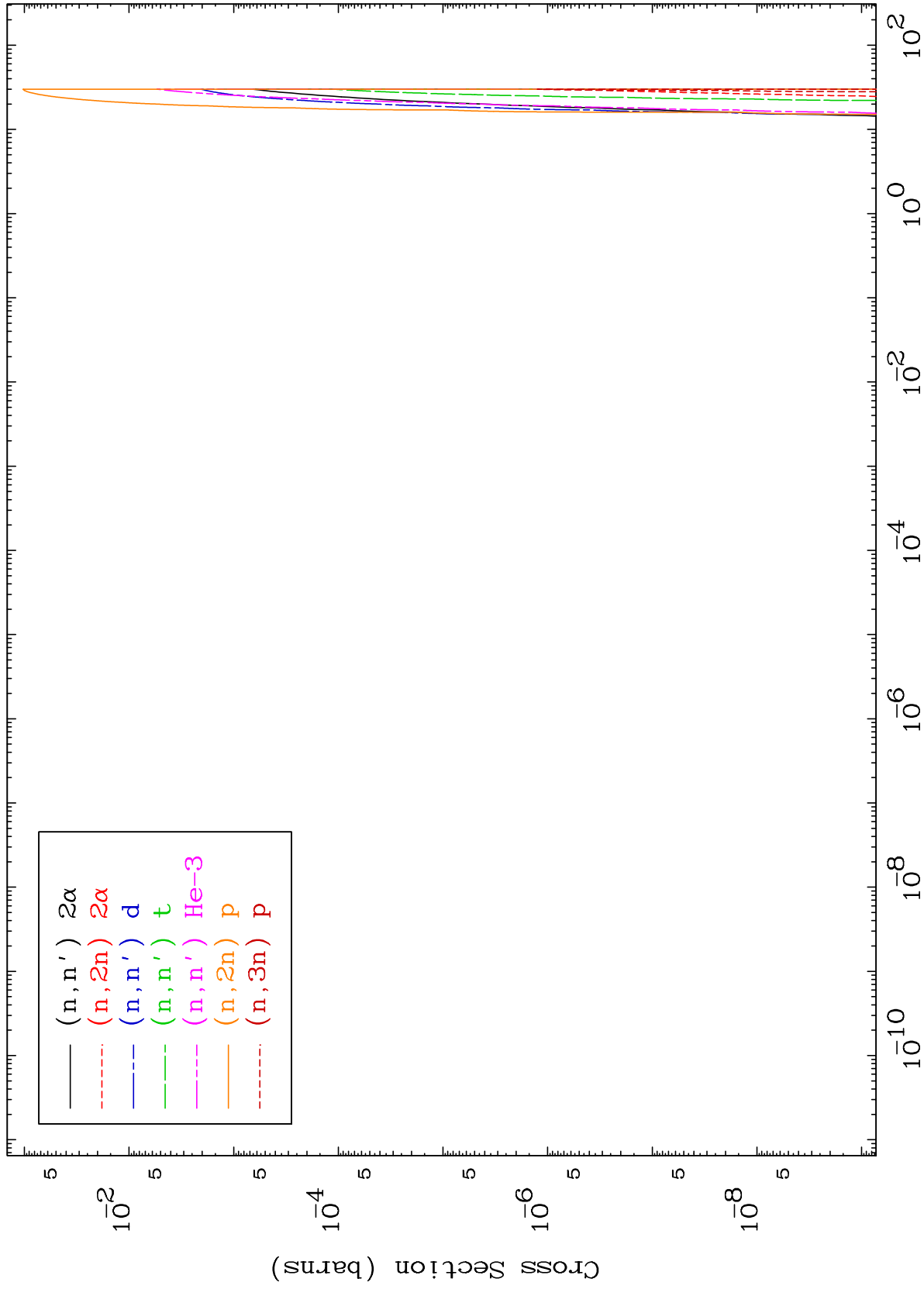


56-Ba-121

MAT 5598

Neutron Production
293 Kelvin Cross Sections

56-Ba-121

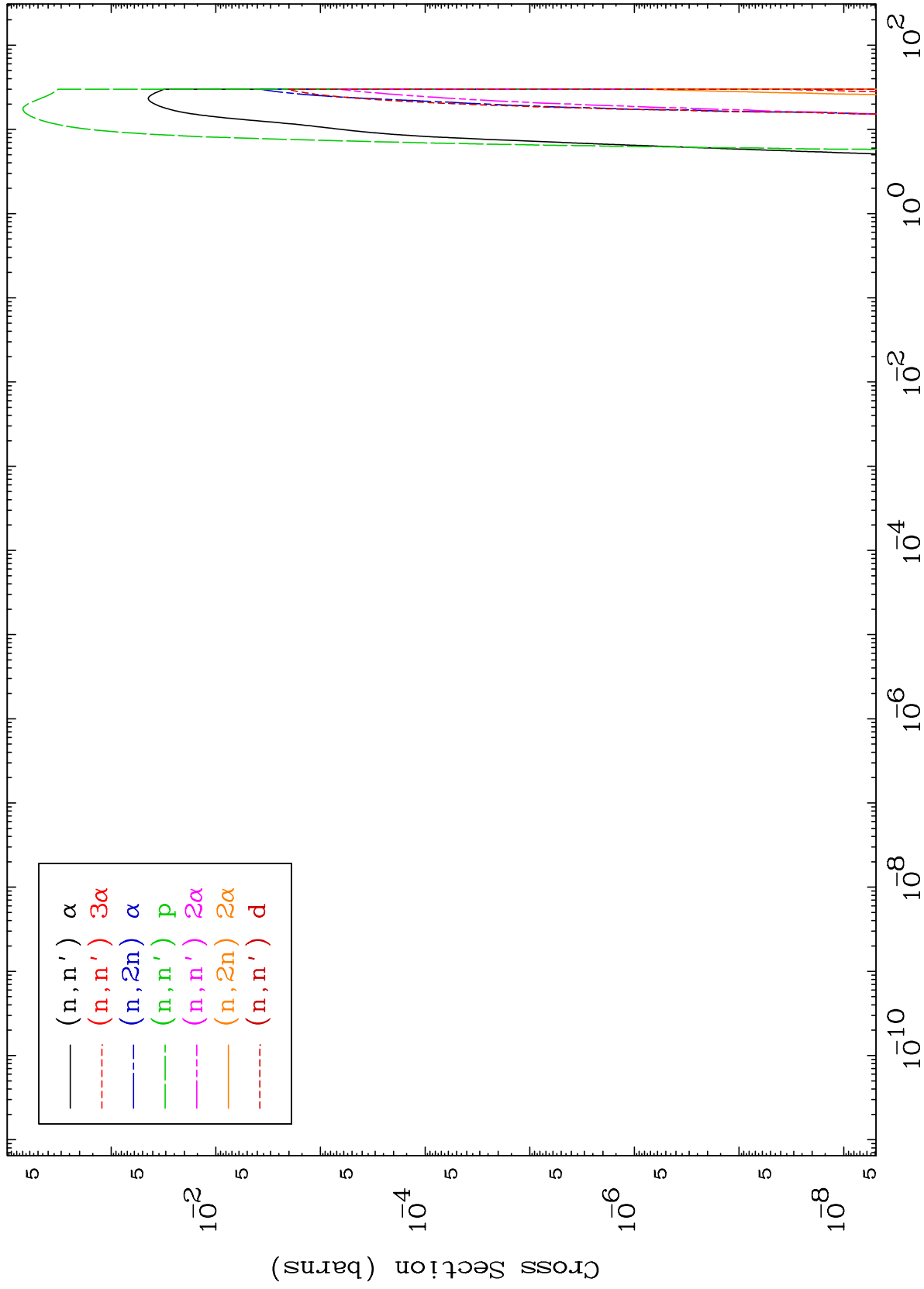


56-Ba-121

MAT 5598

Charged Particle
293 Kelvin Cross Sections

56-Ba-121

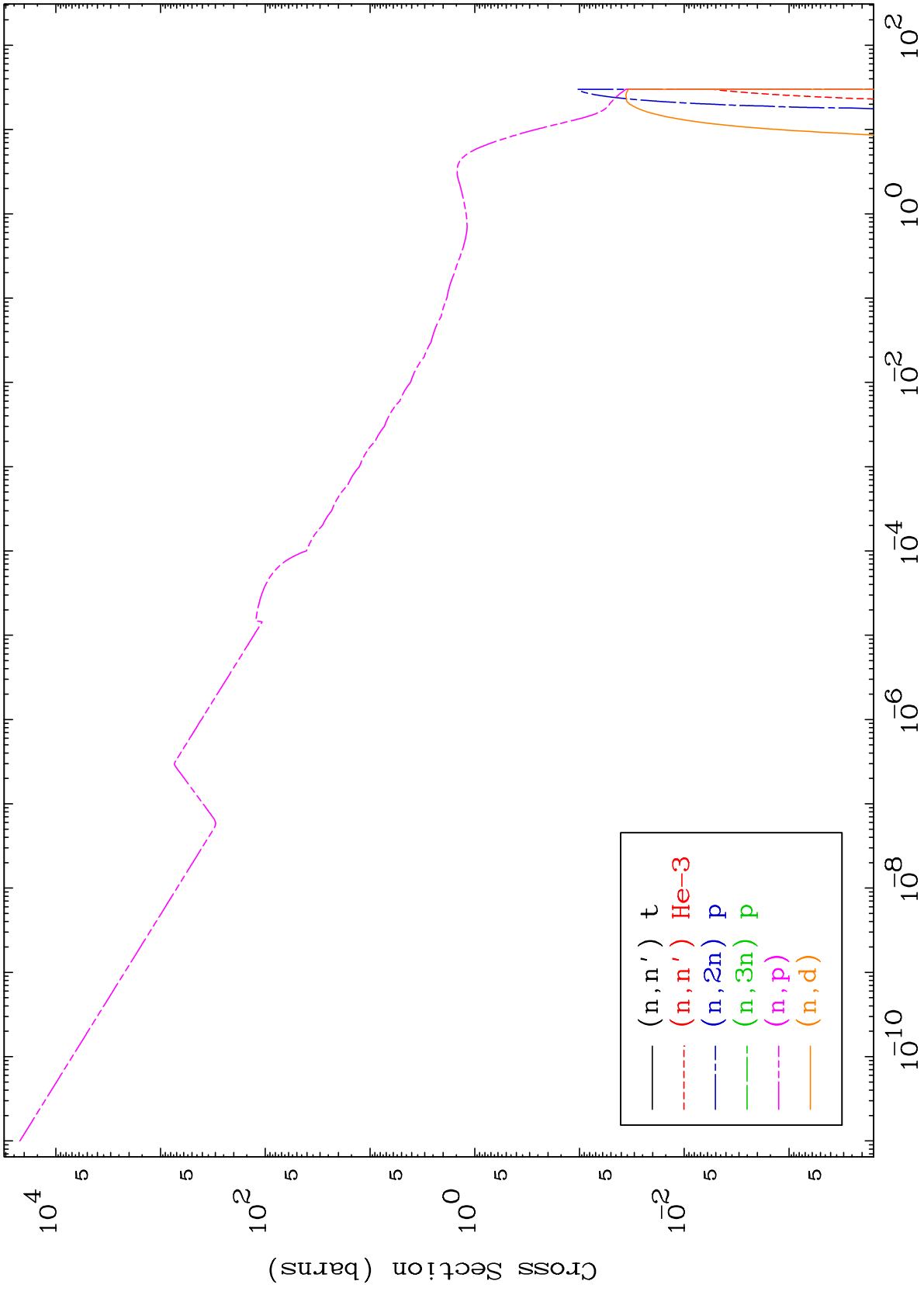


56-Ba-121

MAT 5598

Charged Particle
293 Kelvin Cross Sections

56-Ba-121

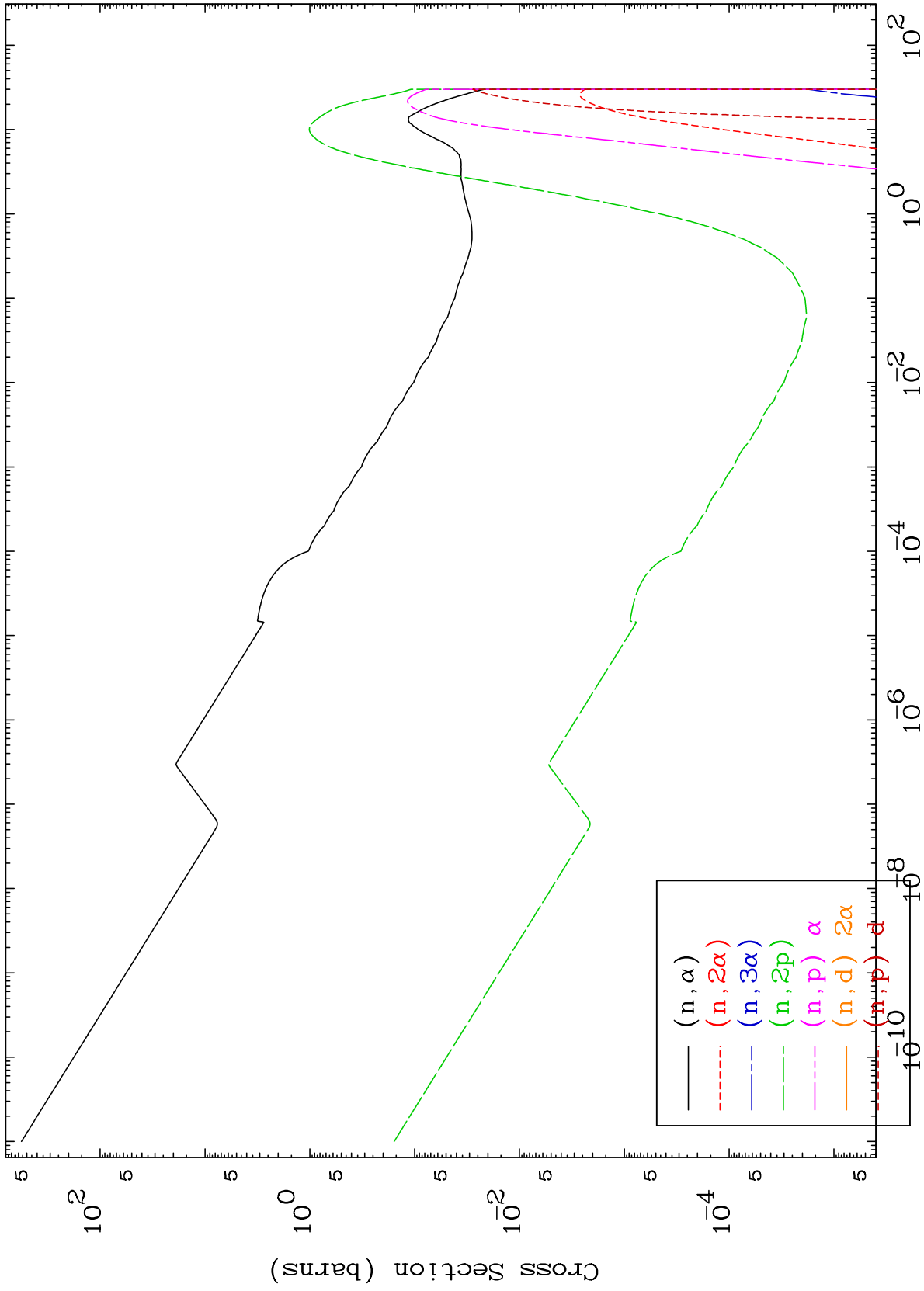


56-Ba-121

MAT 5598

Charged Particle
293 Kelvin Cross Sections

56-Ba-121



6

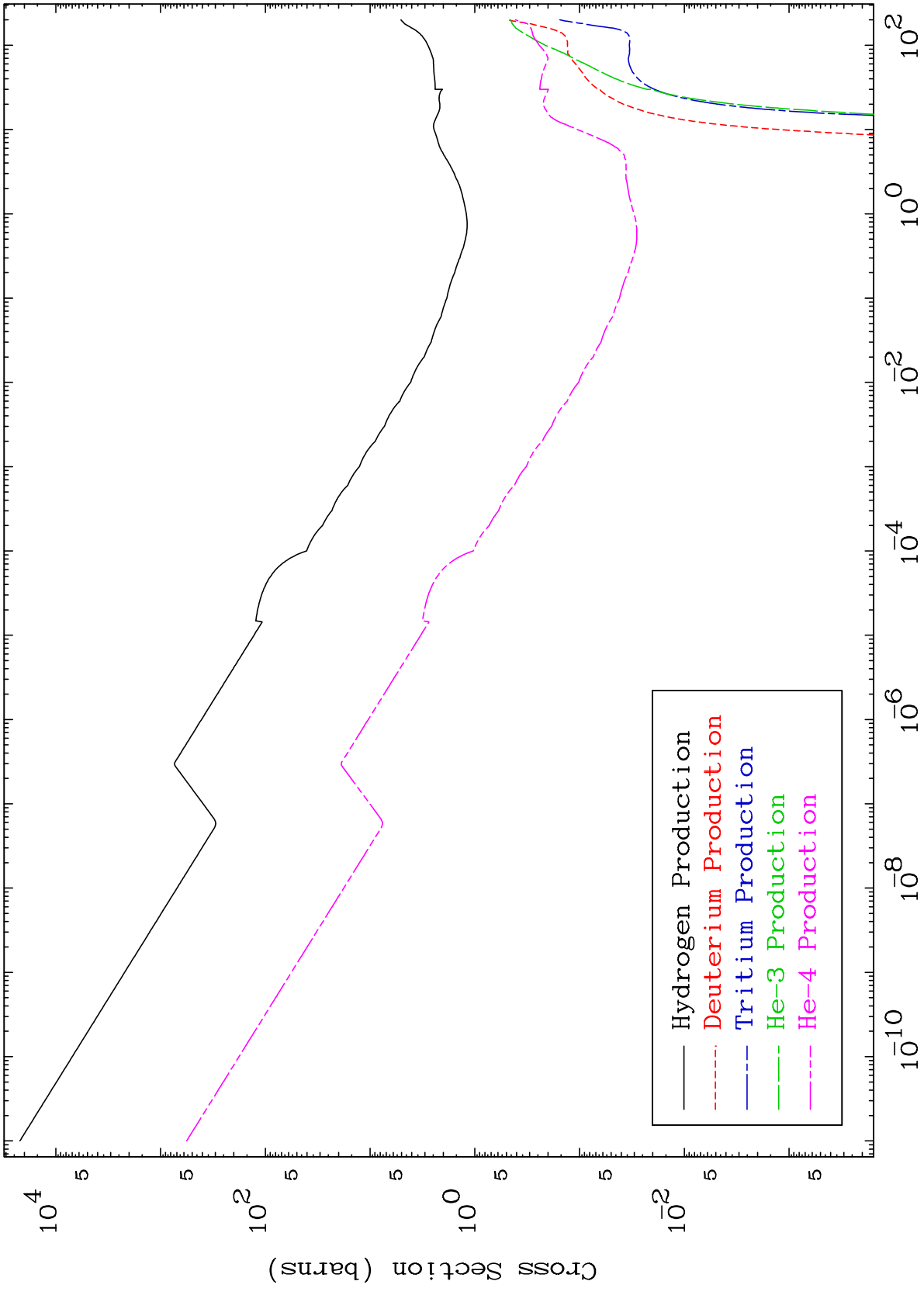
Incident Energy (MeV)

56-Ba-121

MAT 5598

Particle Production
293 Kelvin Cross Sections

56-Ba-121

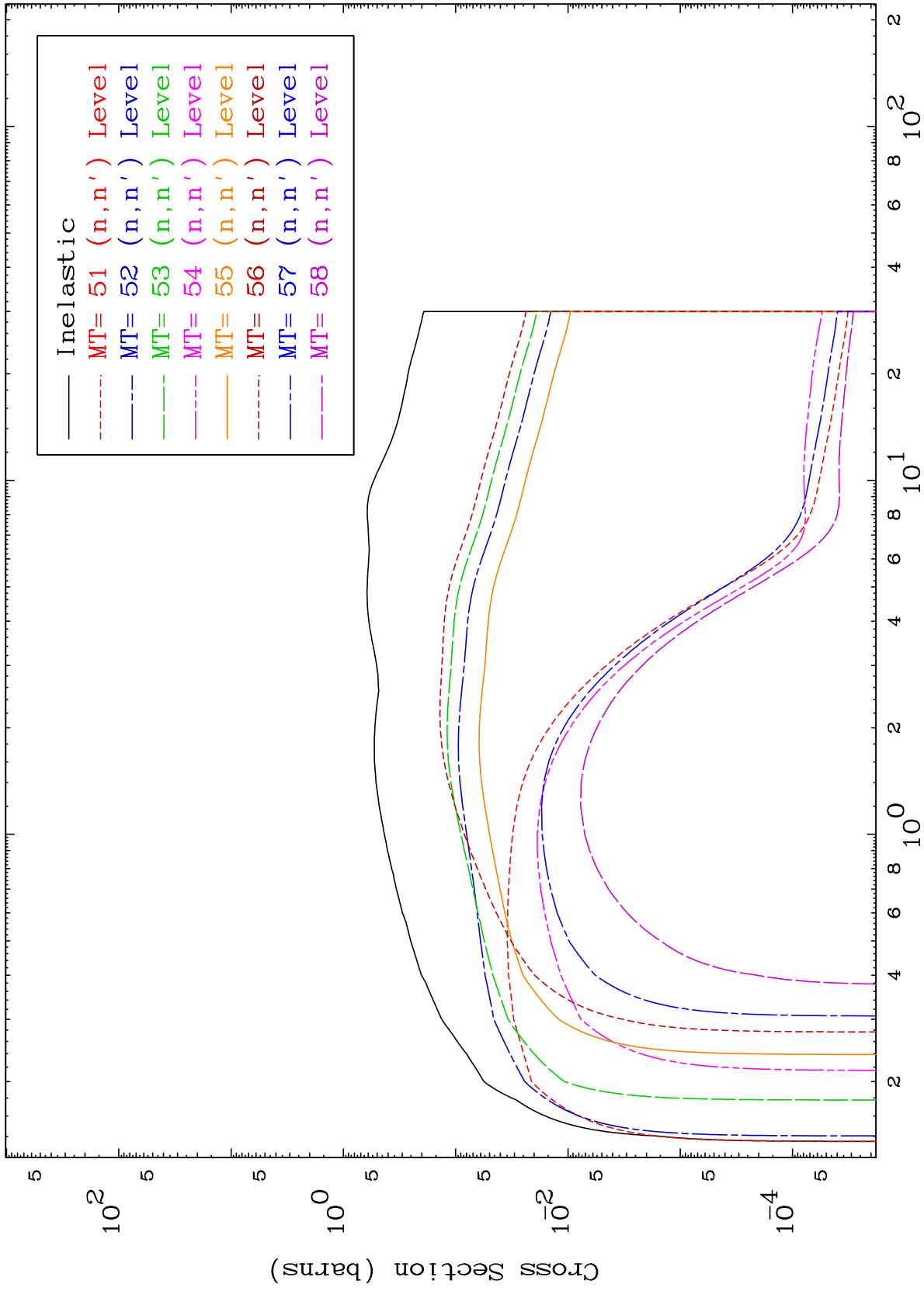


56-Ba-121

MAT 5598

(n,n') Level
293 Kelvin Cross Sections

56-Ba-121



8

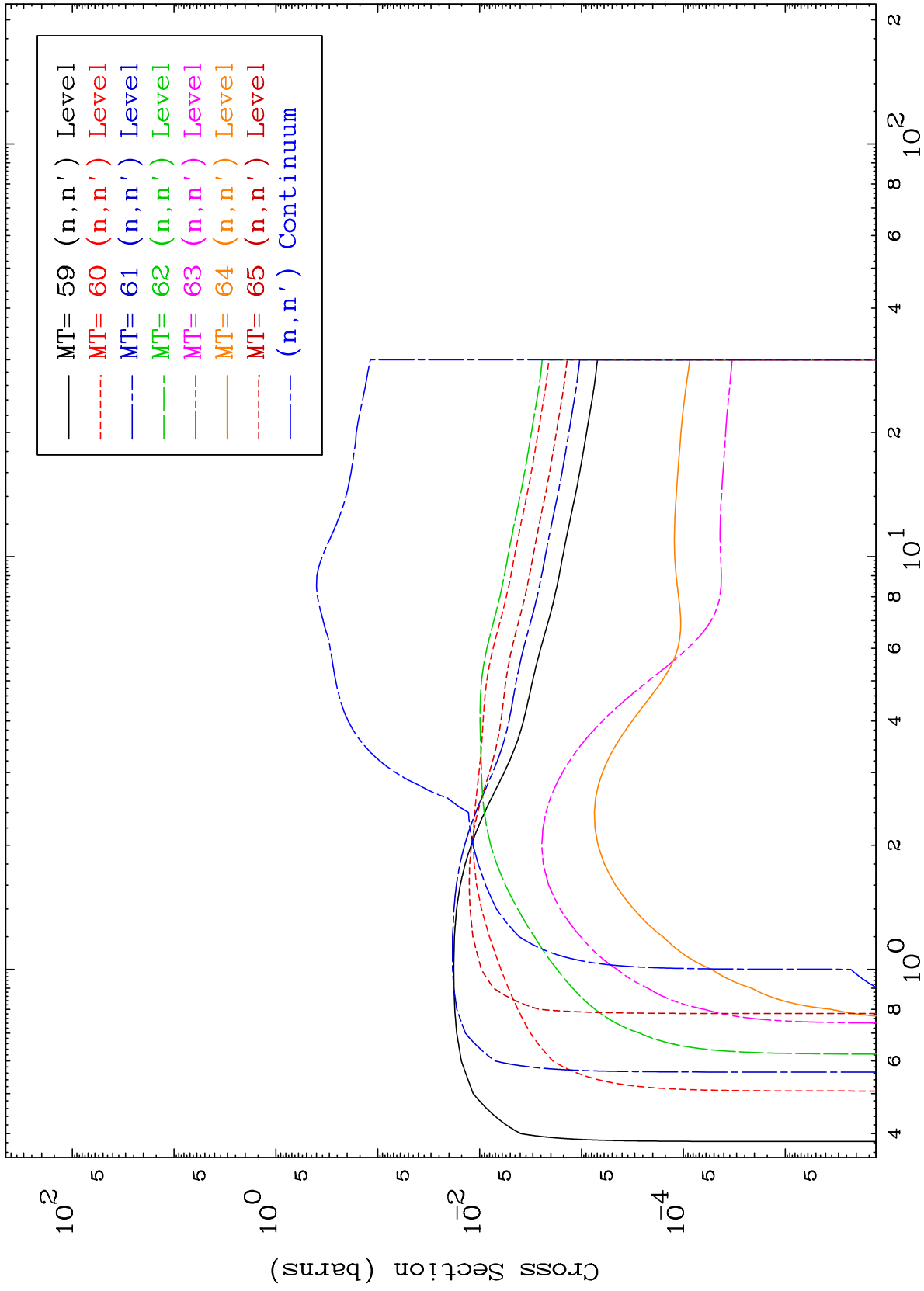
Incident Energy (MeV)

56-Ba-121

MAT 5598

(n,n') Level
293 Kelvin Cross Sections

56-Ba-121



9

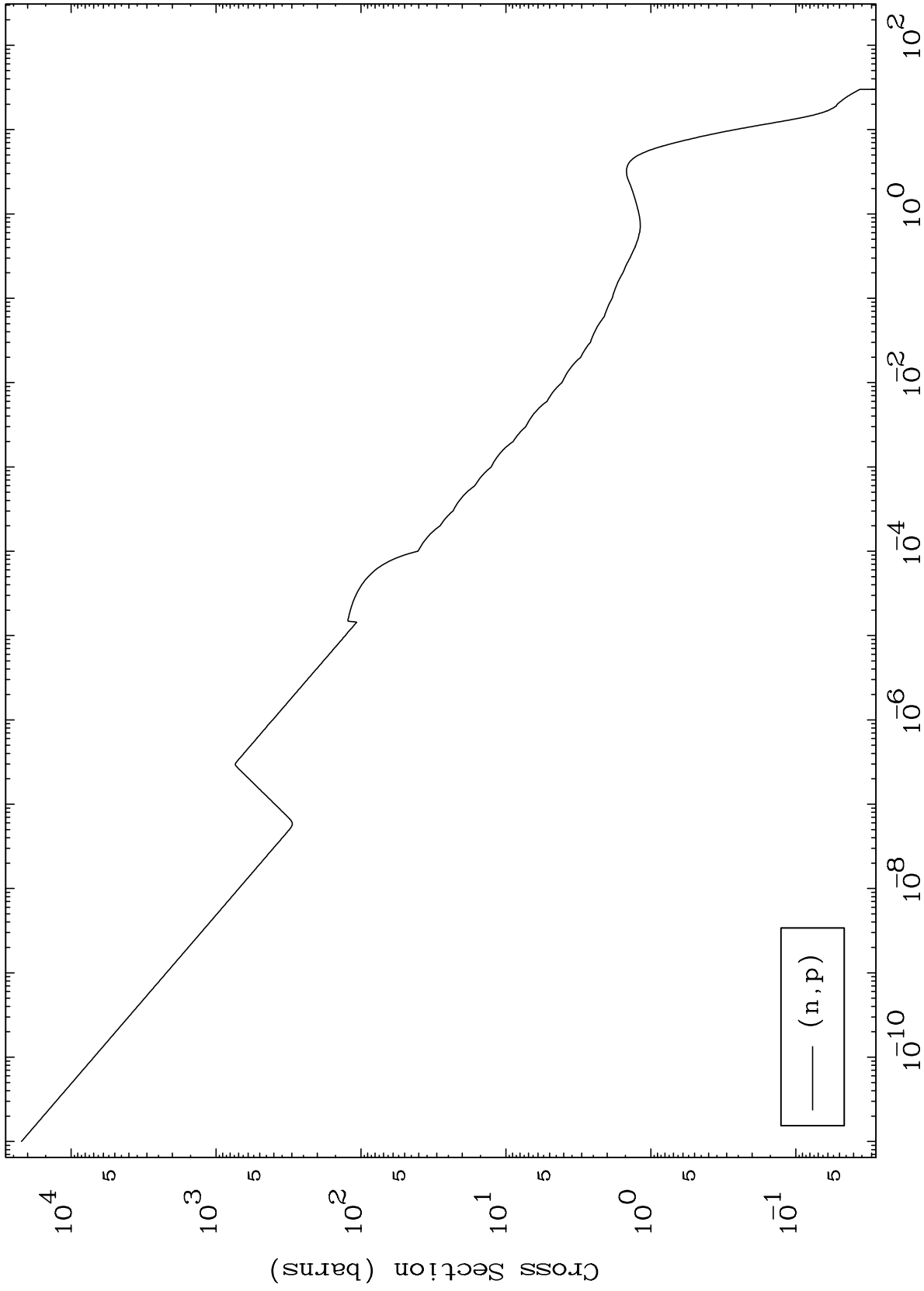
Incident Energy (MeV)

56-Ba-121

MAT 5598

(n,p) Levels
293 Kelvin Cross Sections

56-Ba-121



10

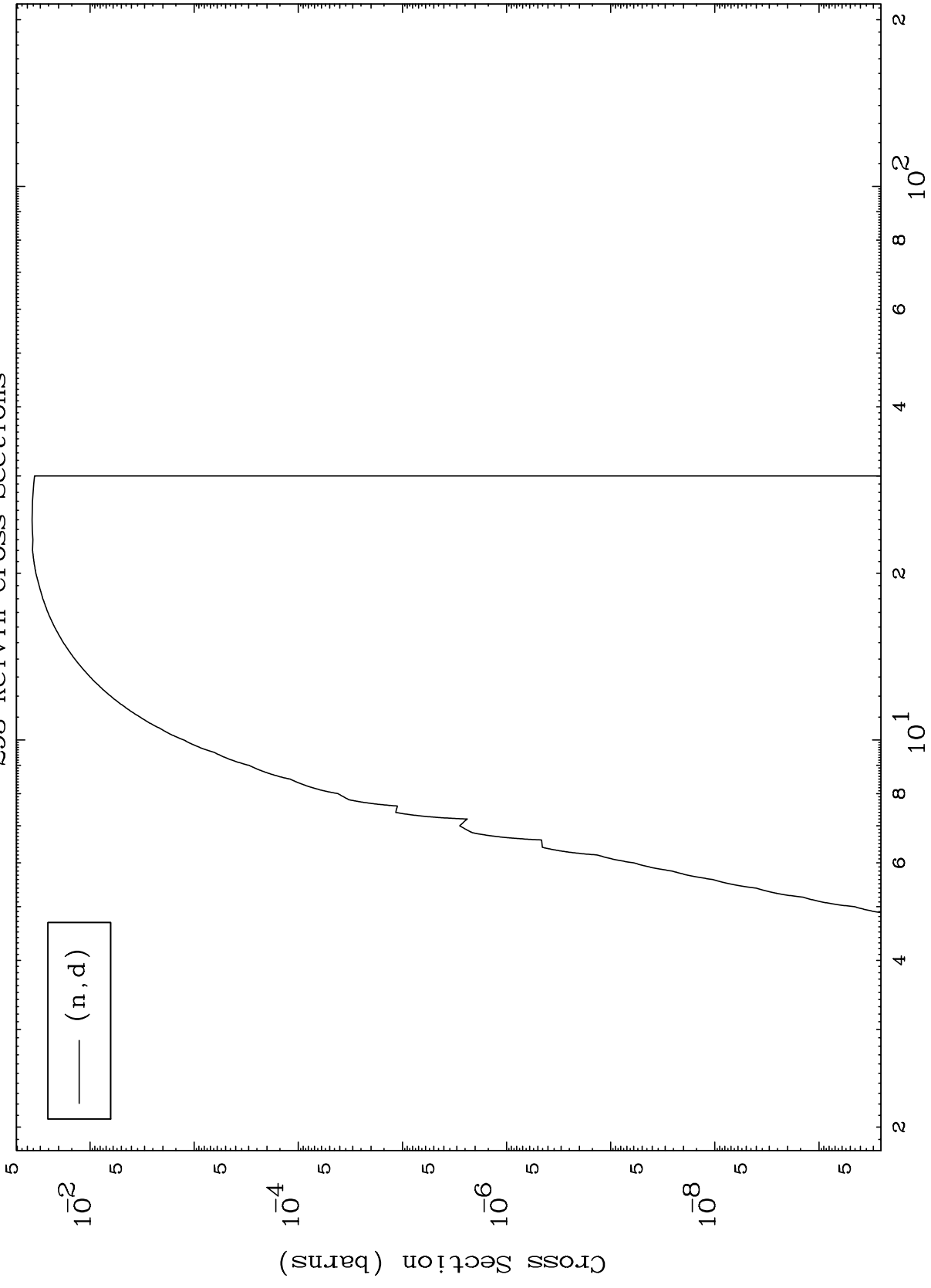
Incident Energy (MeV)

56-Ba-121

MAT 5598

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-121



11

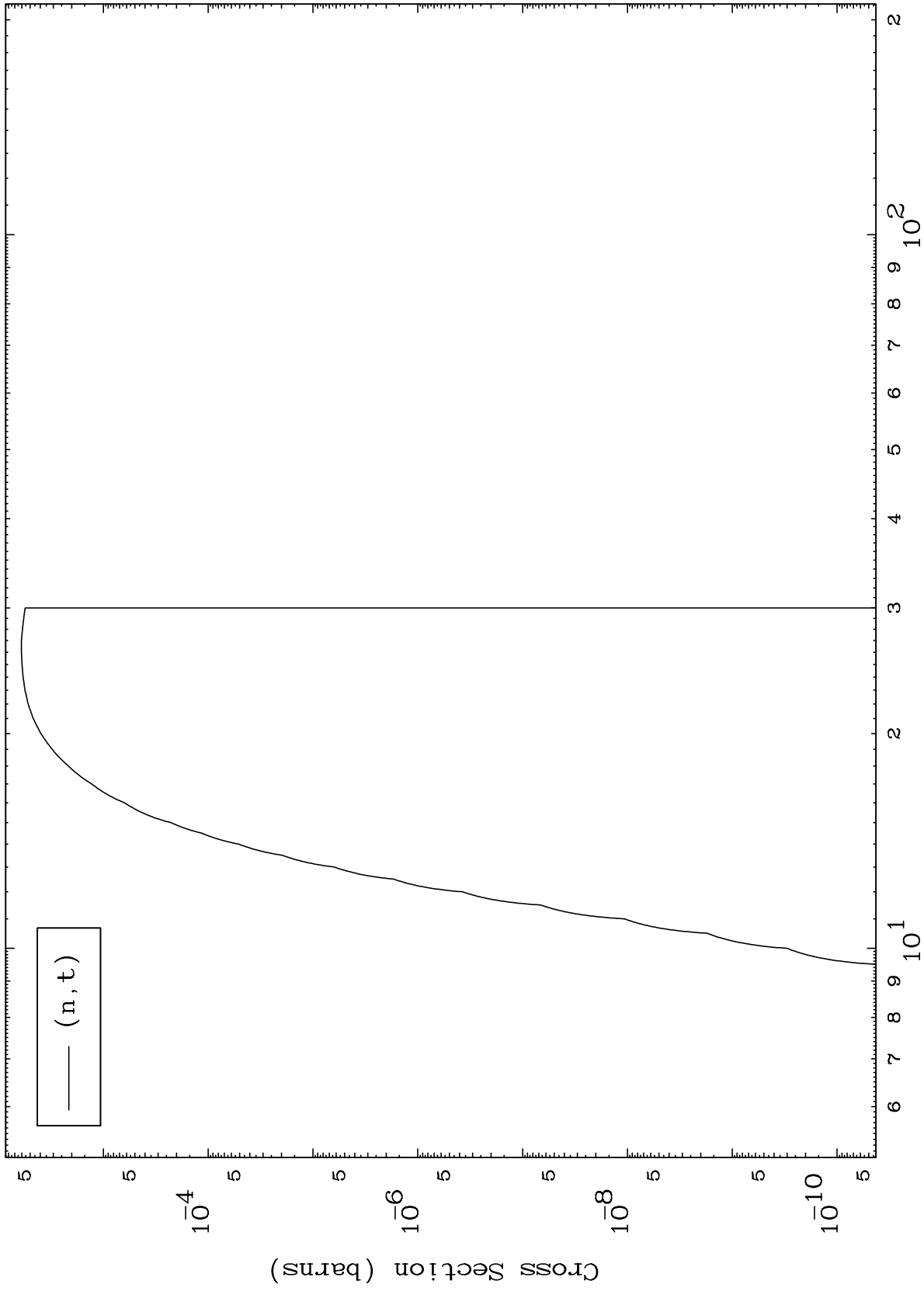
Incident Energy (MeV)

56-Ba-121

MAT 5598

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-121



12

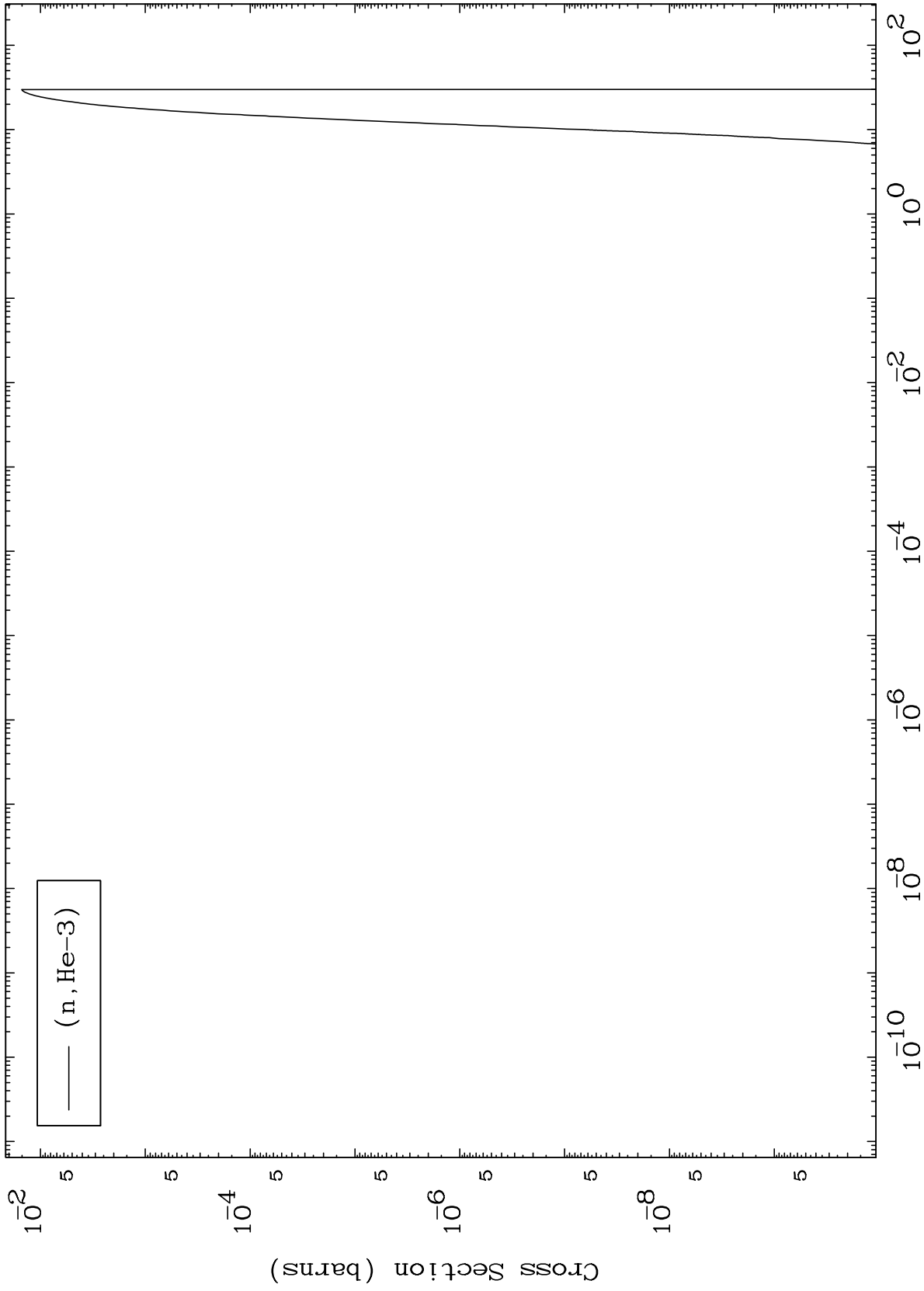
Incident Energy (MeV)

56-Ba-121

MAT 5598

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-121



13

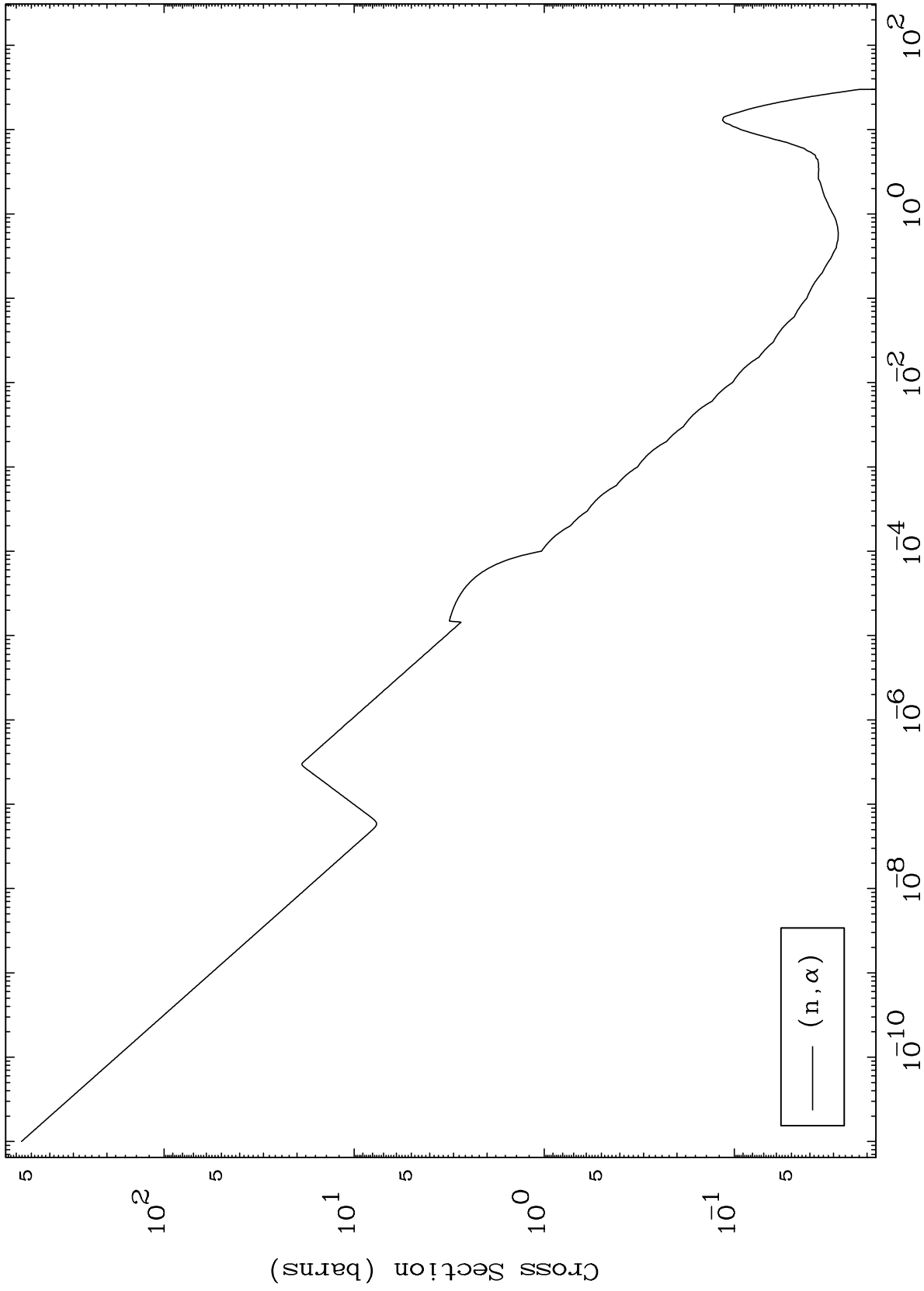
Incident Energy (MeV)

56-Ba-121

MAT 5598

(n,α) Levels
293 Kelvin Cross Sections

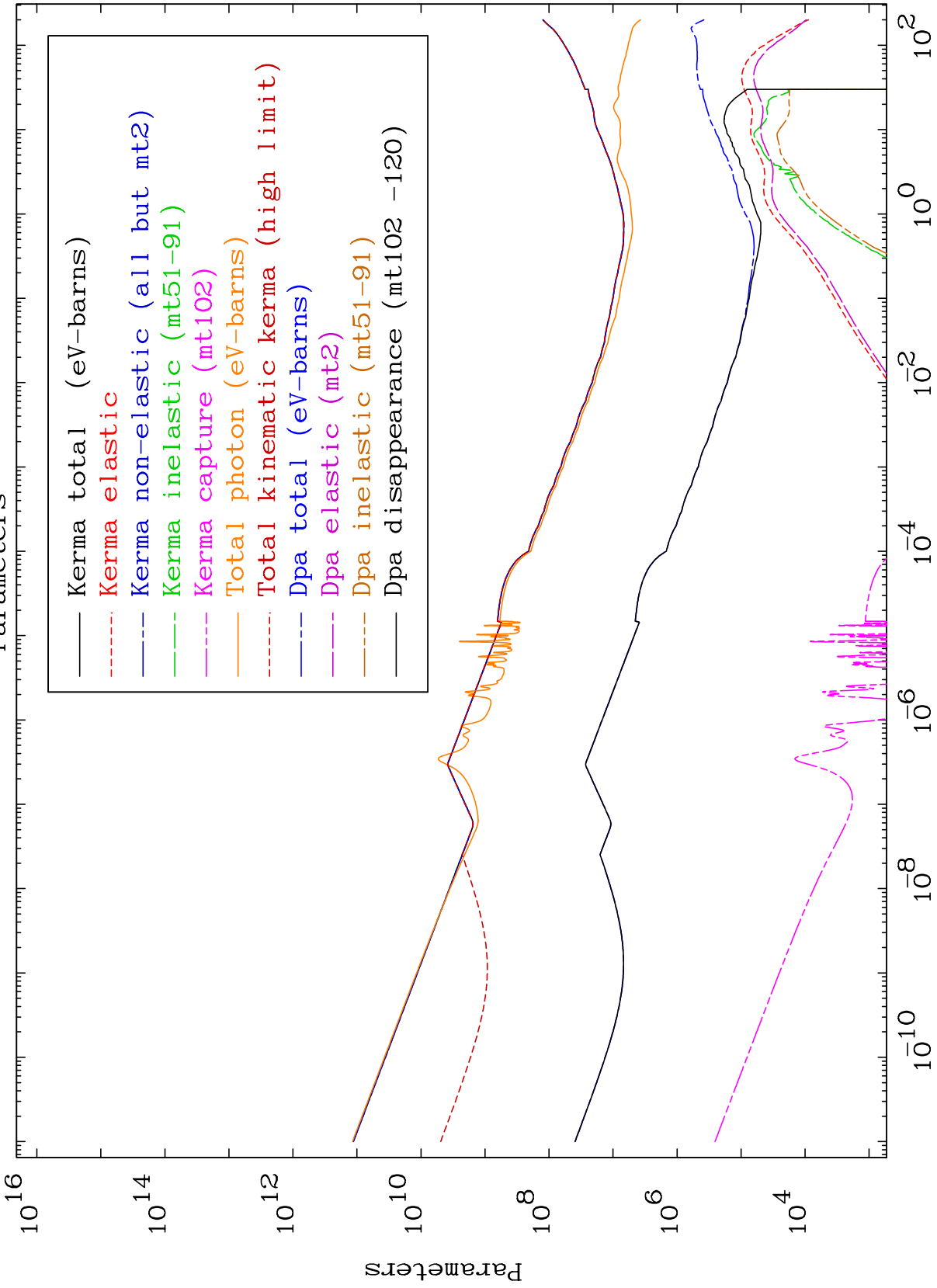
56-Ba-121



14

Incident Energy (MeV)

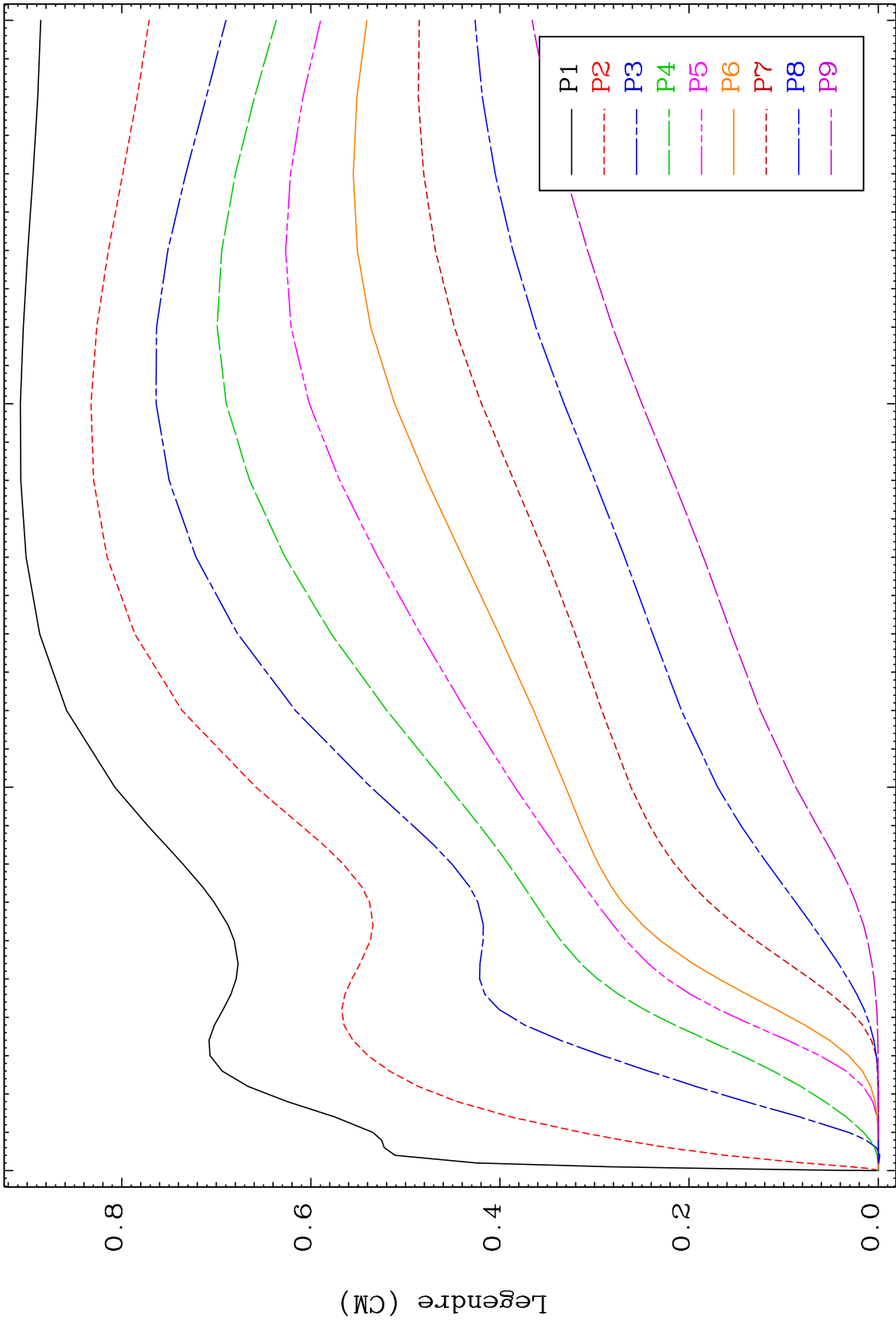
56-Ba-121



MAT 5598

Elastic Legendre Coefficients

$^{56}\text{Ba-121}$



0

0.0

0.2

0.4

0.6

0.8

Incident Energy (MeV)

10

20

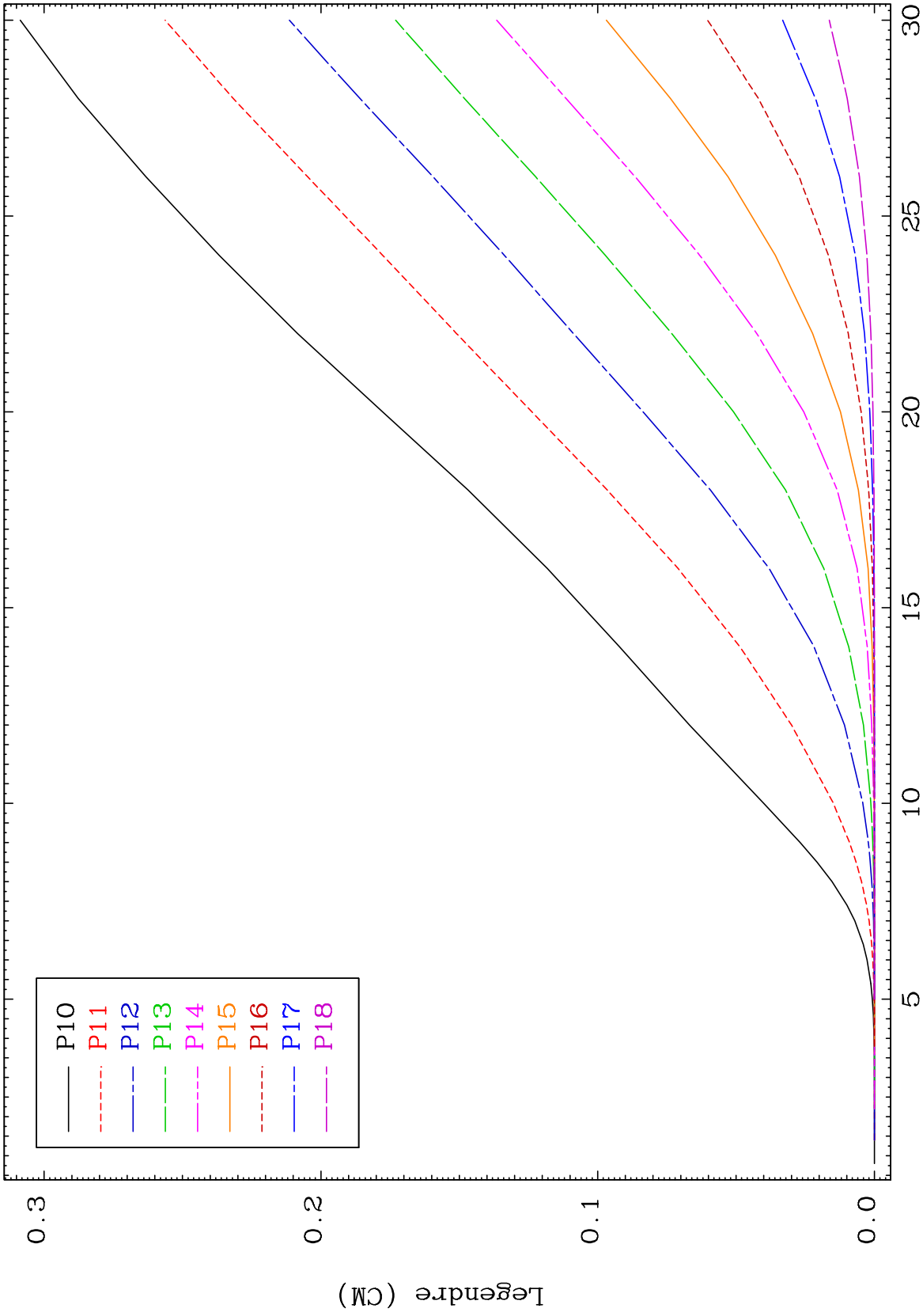
30

$^{56}\text{Ba-121}$

MAT 5598

Elastic Legendre Coefficients

56-Ba-121



17

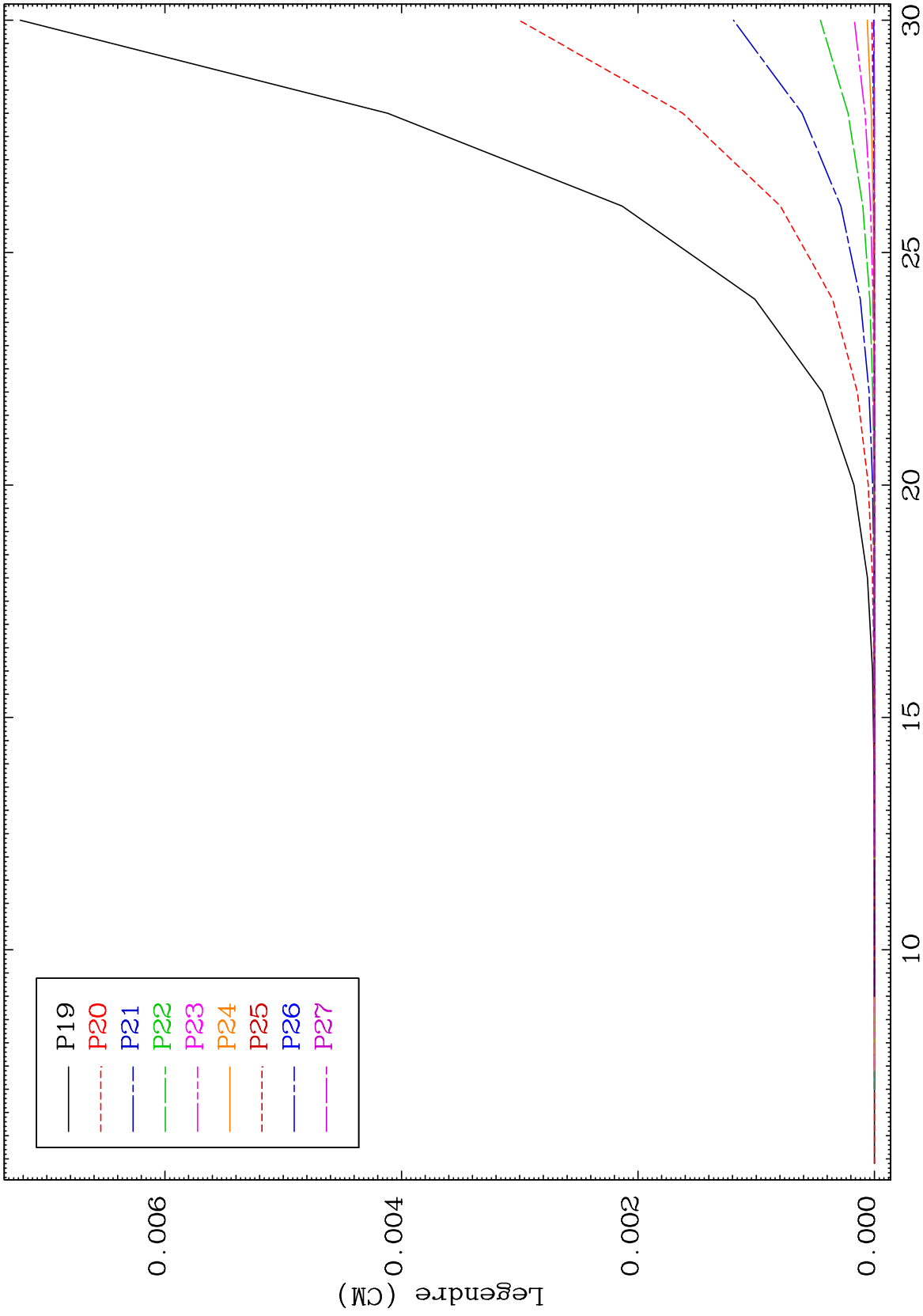
Incident Energy (MeV)

56-Ba-121

MAT 5598

Elastic Legendre Coefficients

56-Ba-121



18

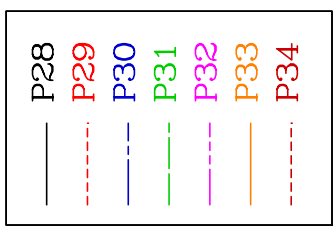
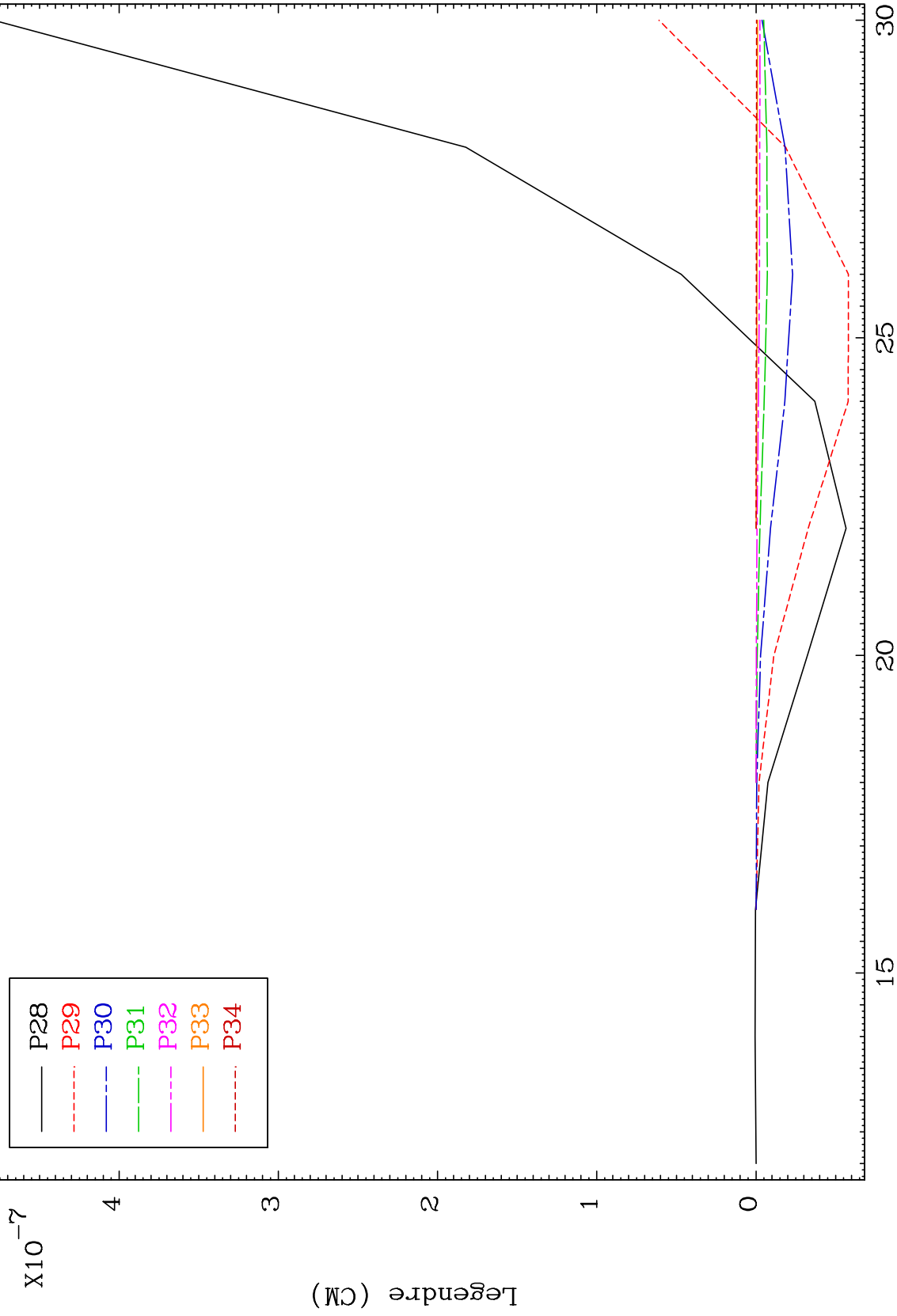
Incident Energy (MeV)

56-Ba-121

MAT 5598

Elastic
Legendre Coefficients

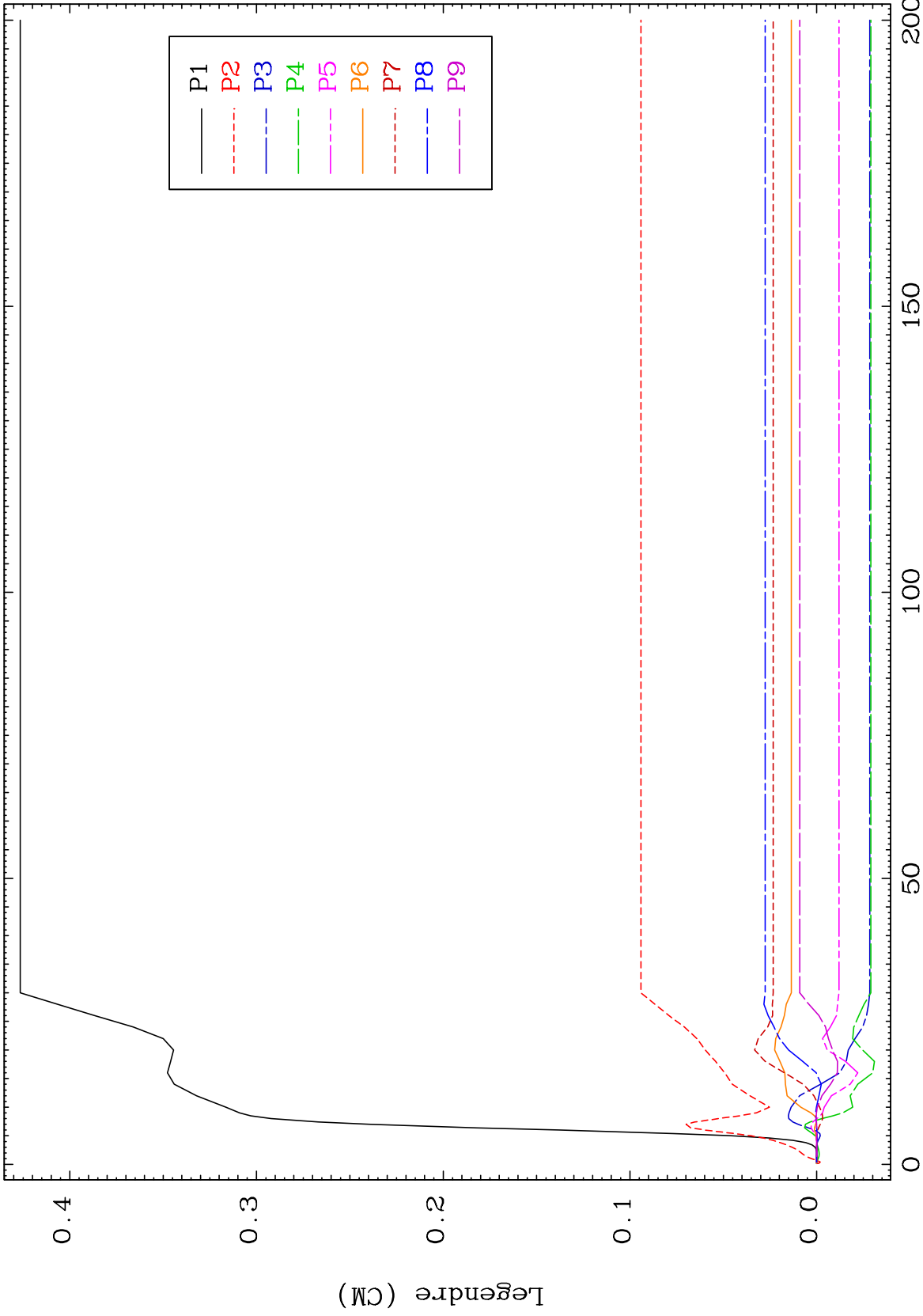
56-Ba-121



MAT 5598

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

56-Ba-121



20

Incident Energy (MeV)

50

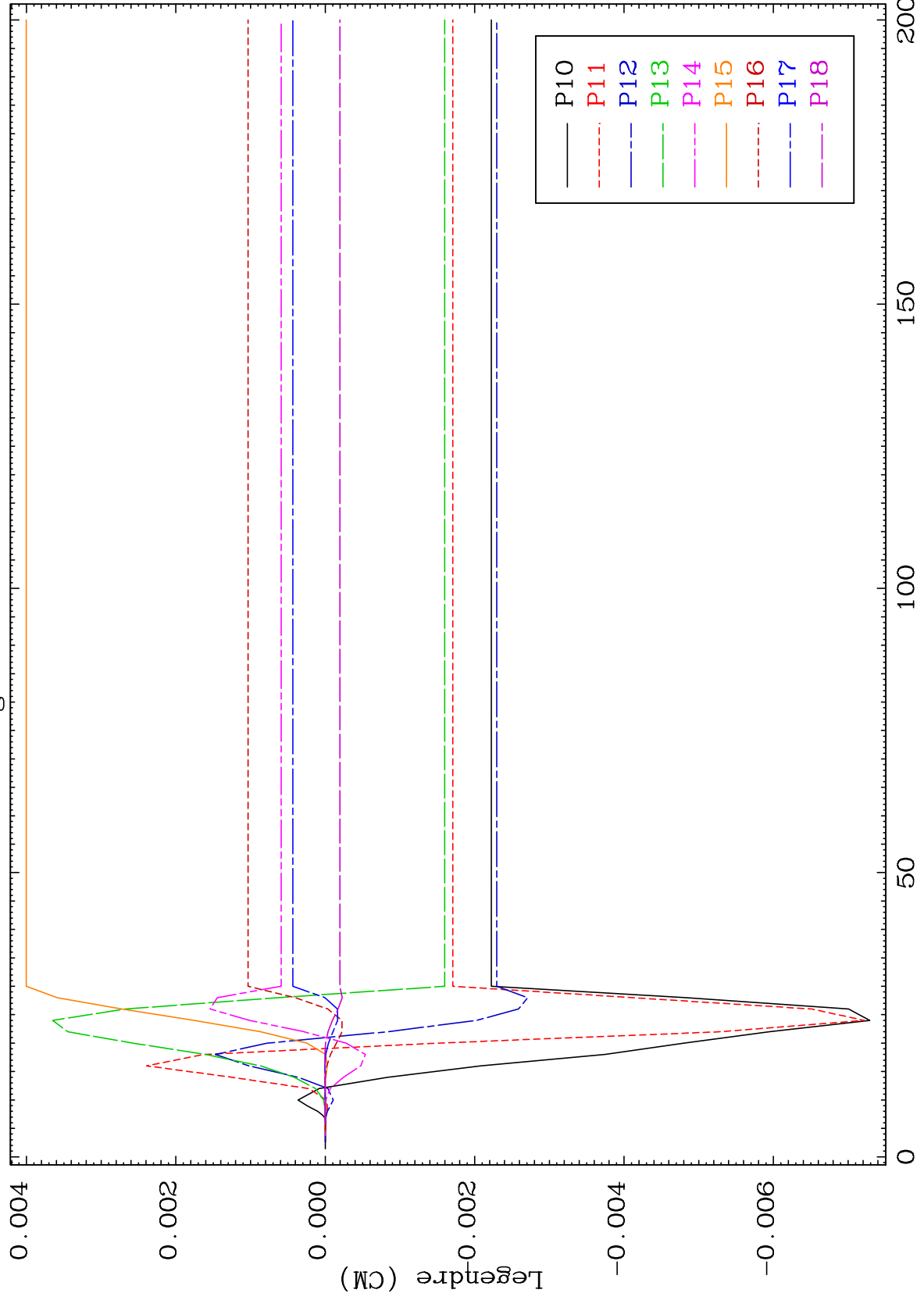
56-Ba-121

100

150

200

MAT 5598 MT= 51 (n,n') Level Legendre Coefficients 56-Ba-121

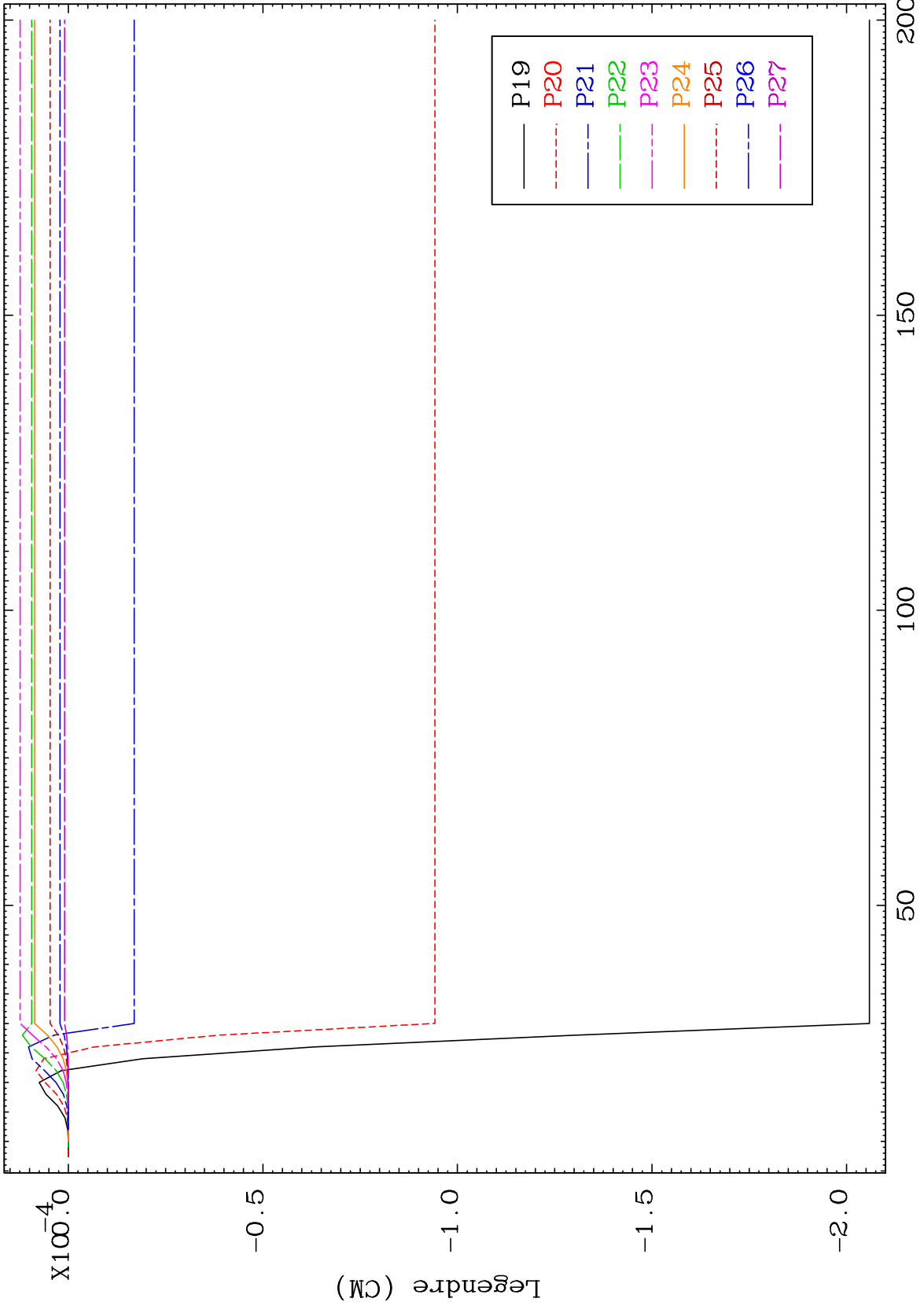


21 56-Ba-121

MAT 5598

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

56-Ba-121



56-Ba-121

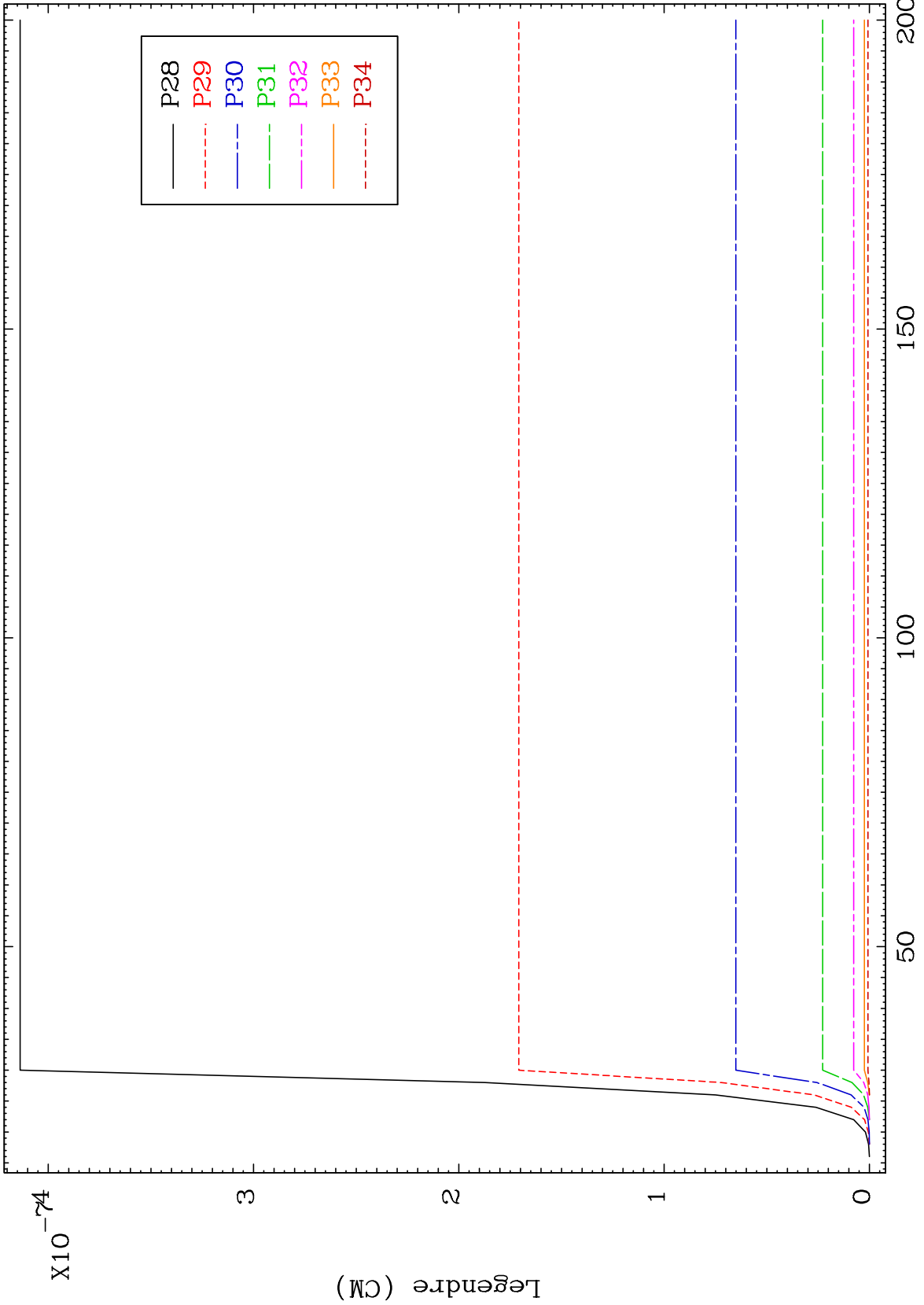
Incident Energy (MeV)

22

MAT 5598

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

56-Ba-121



23

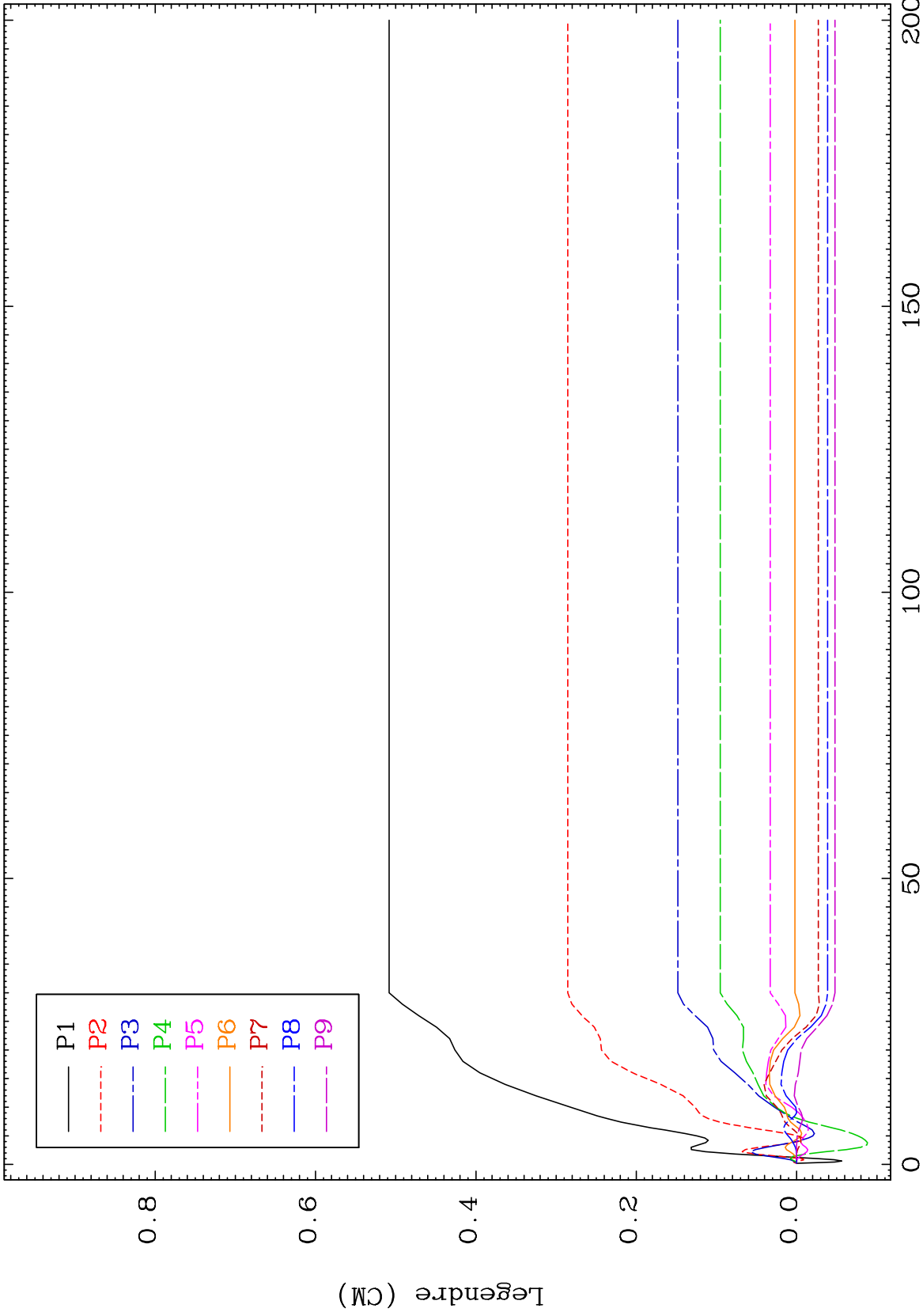
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

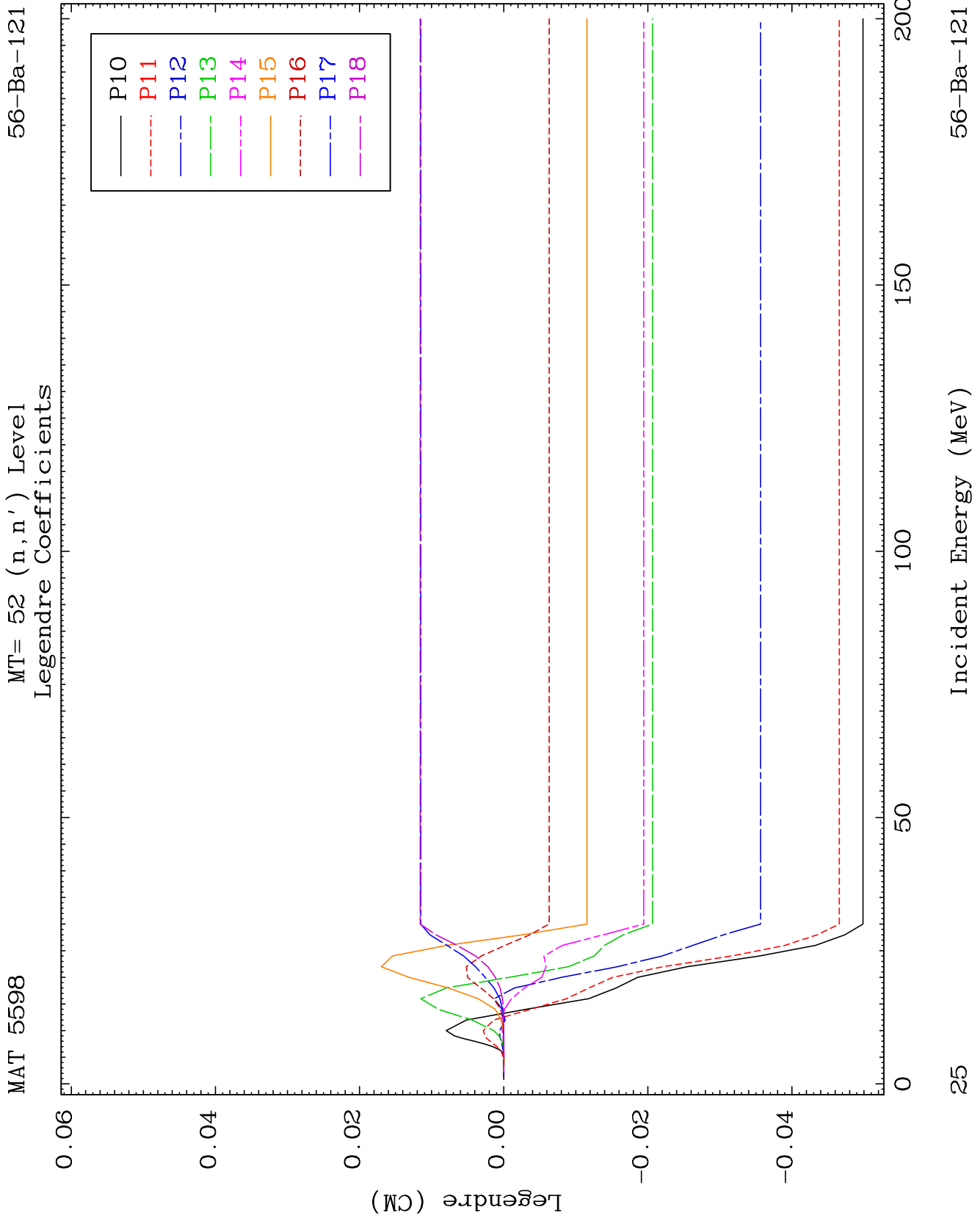
56-Ba-121



24

Incident Energy (MeV)

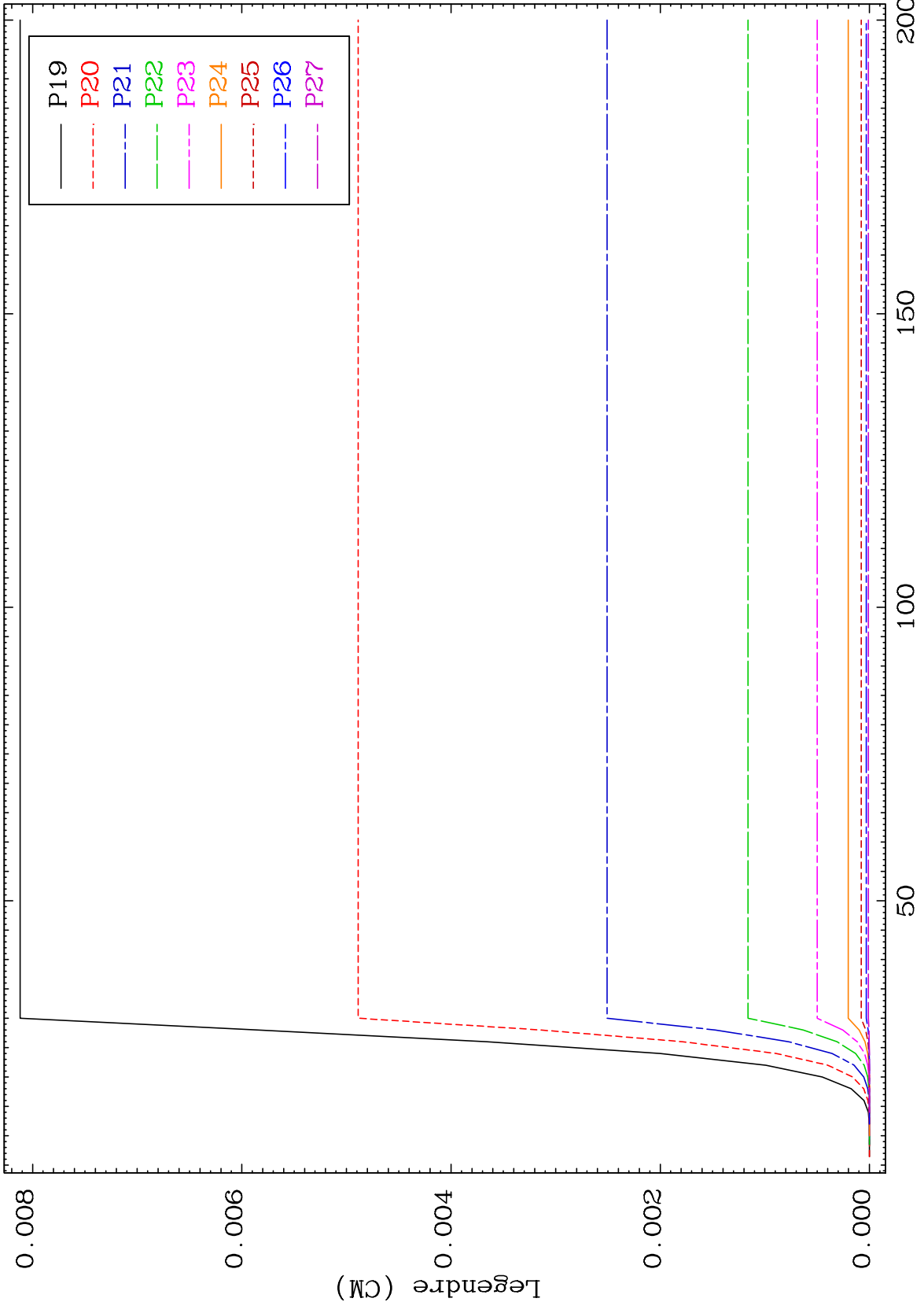
56-Ba-121



MAT 5598

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

56-Ba-121



26

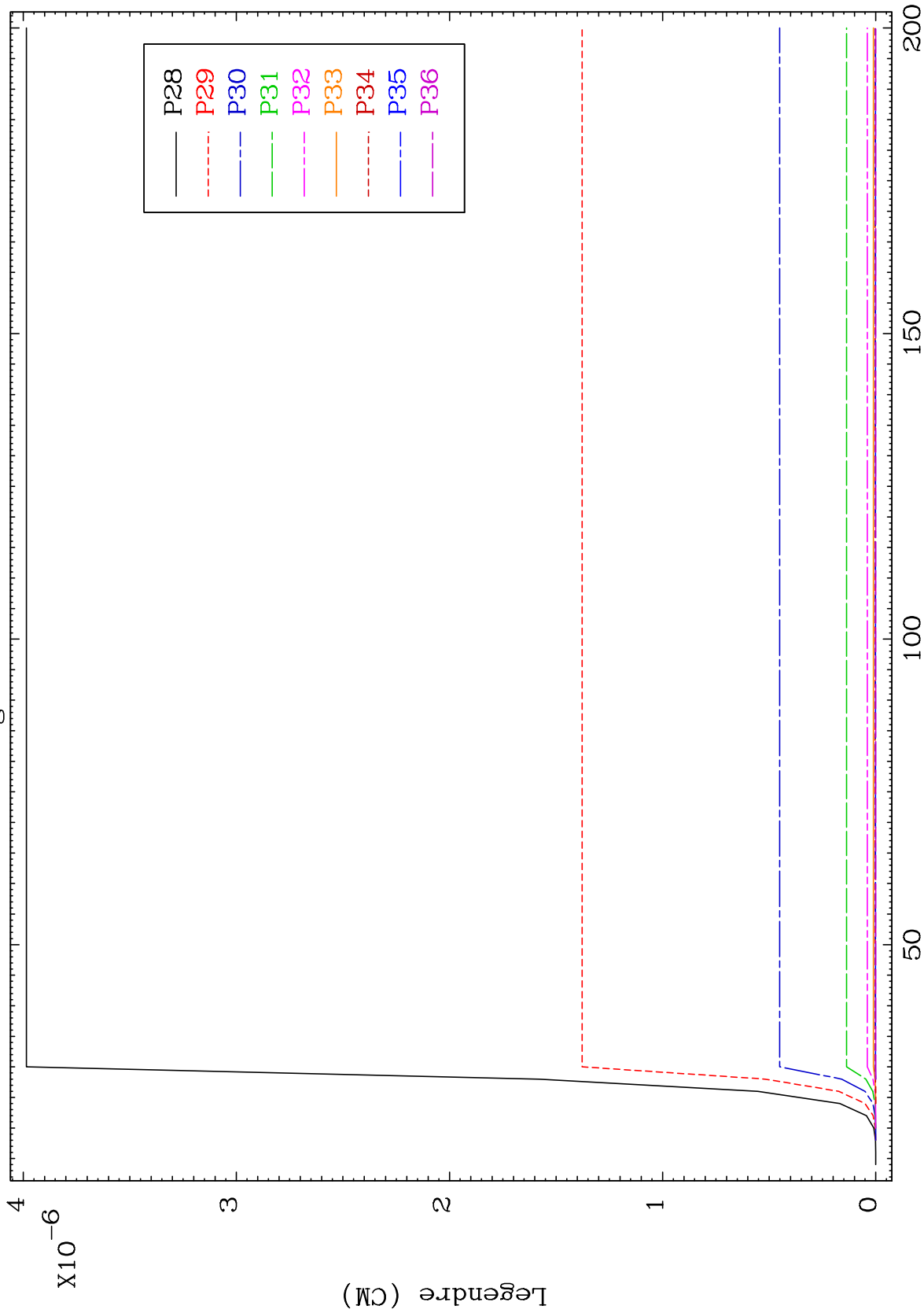
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



27

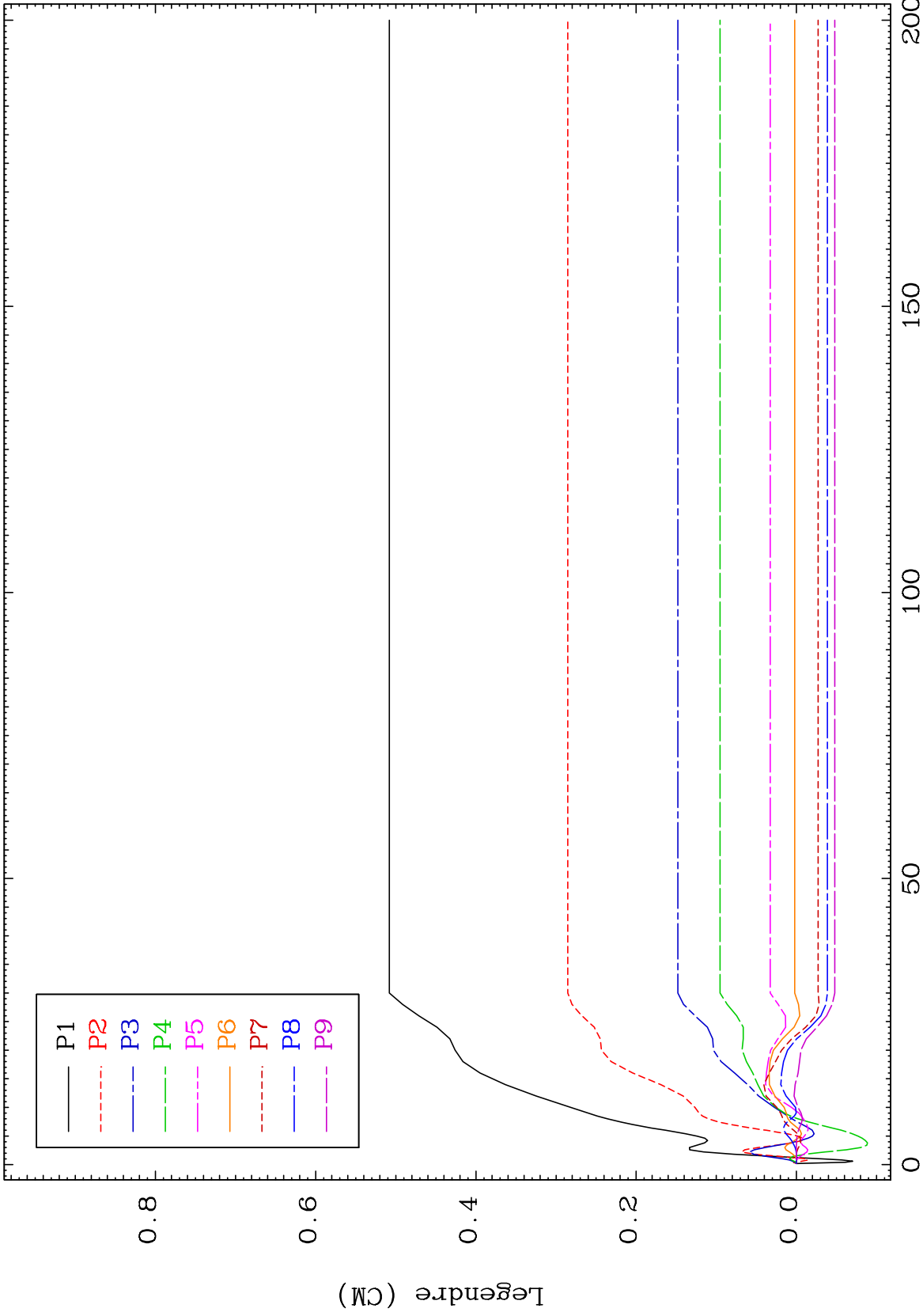
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



28

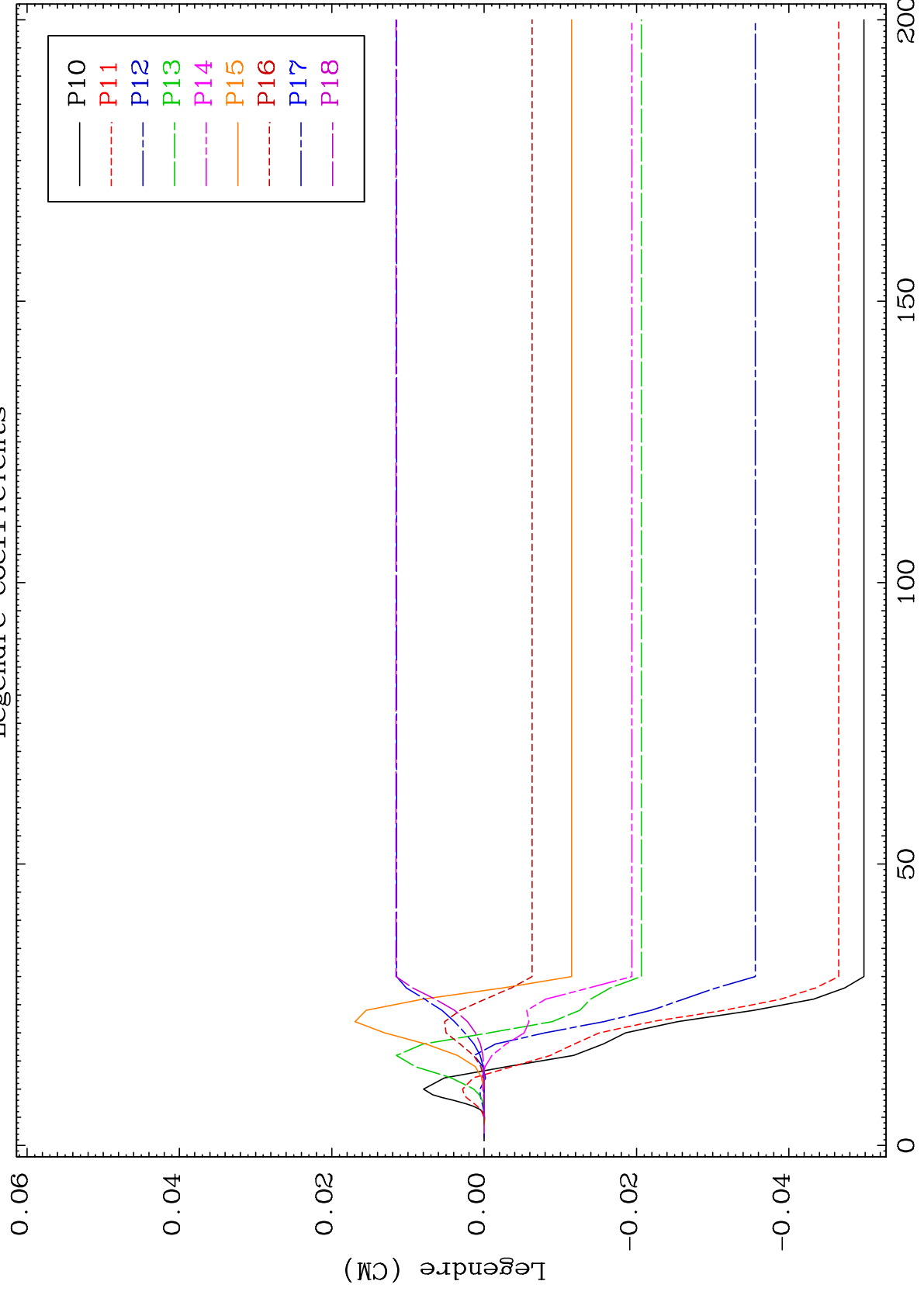
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



29

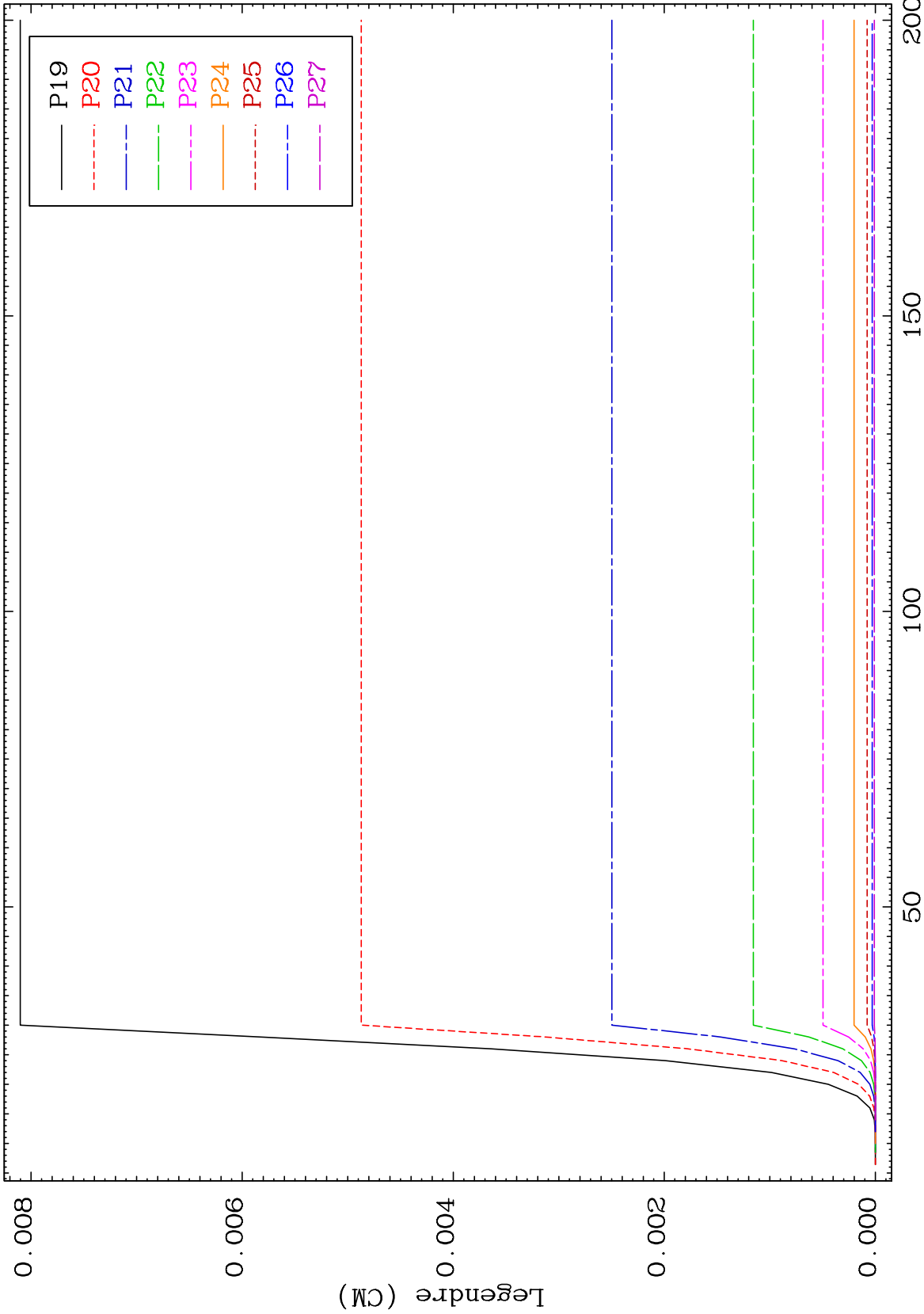
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



30

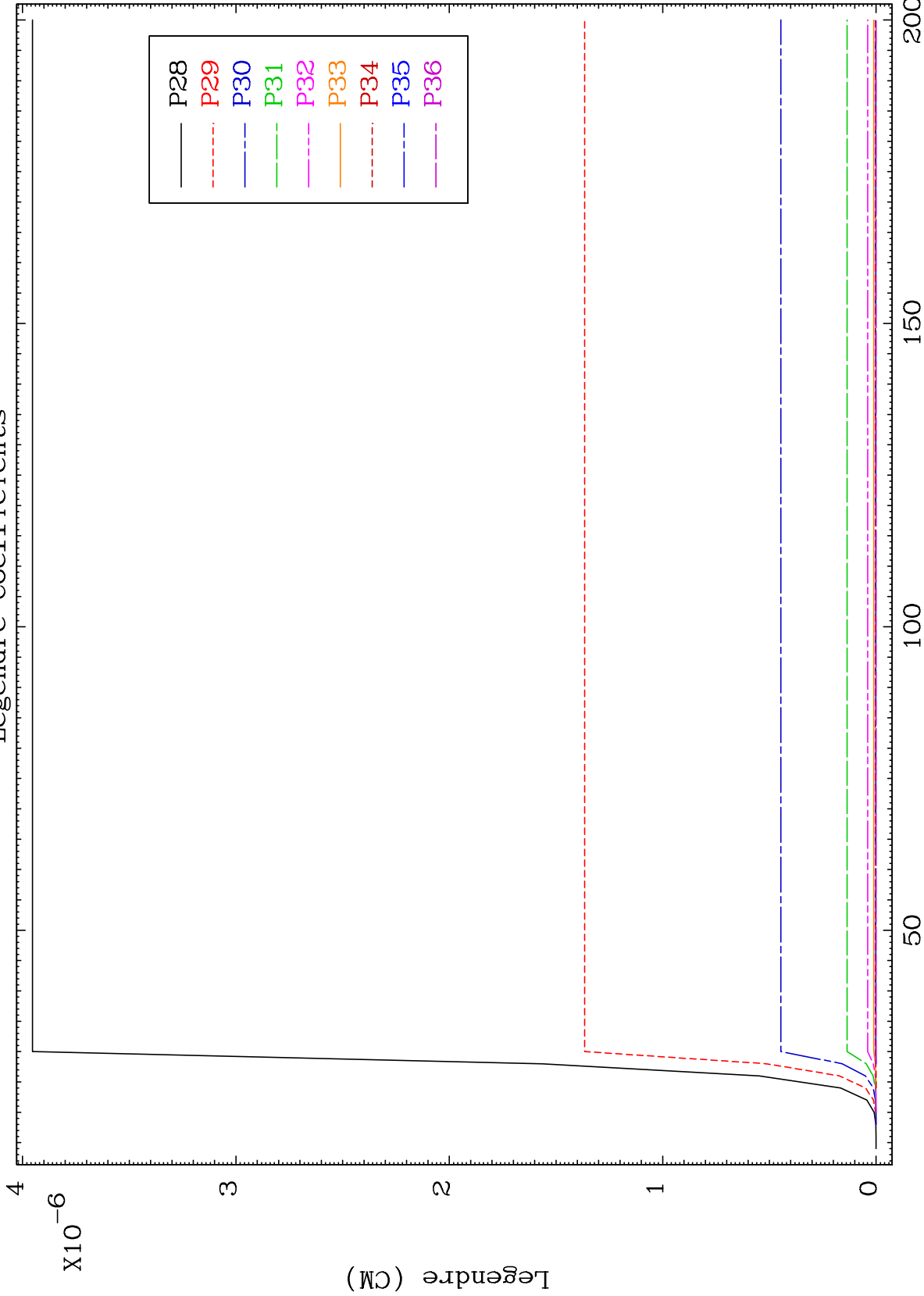
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



31

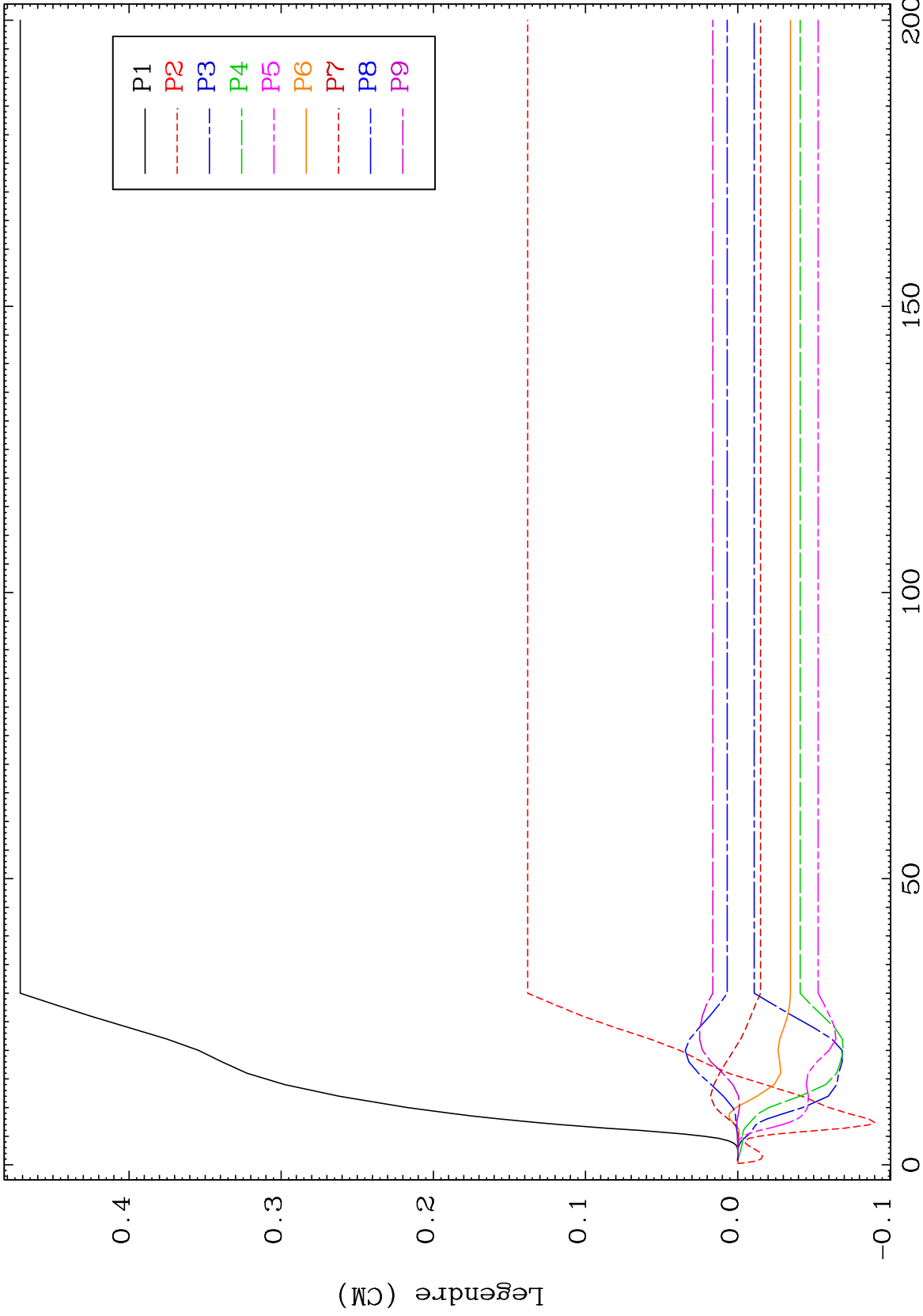
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



32

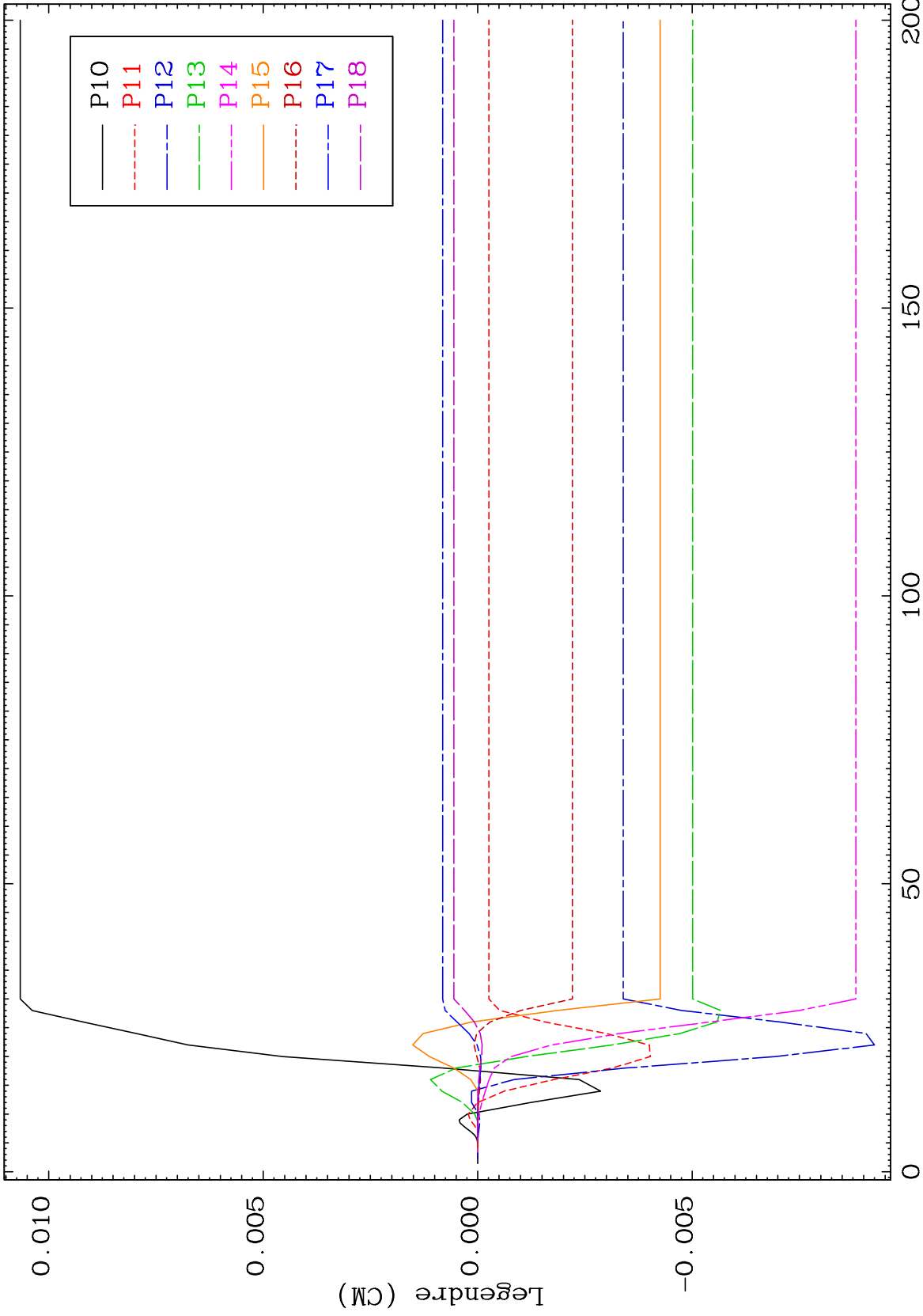
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



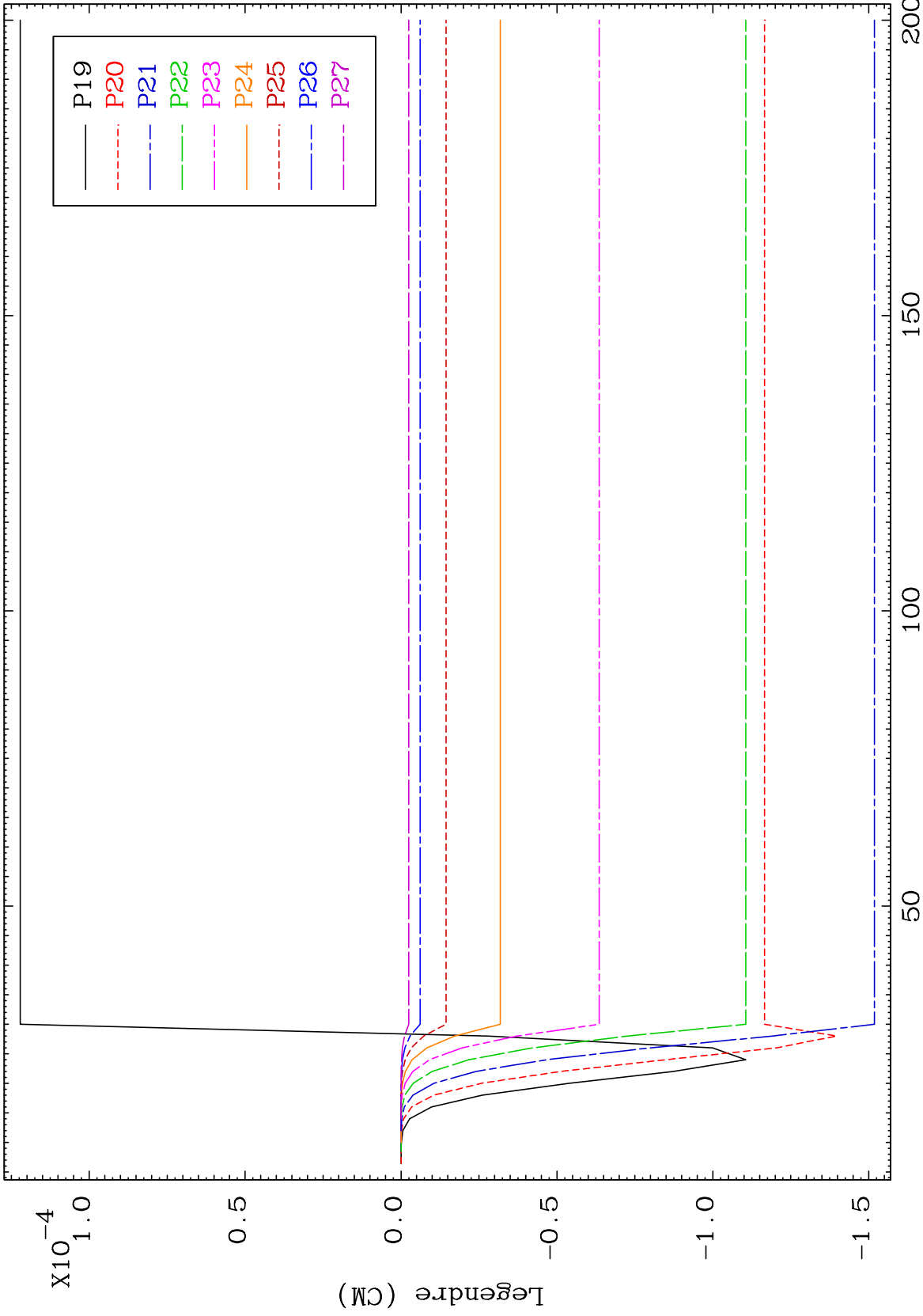
33

56-Ba-121

MAT 5598

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

56-Ba-121



34

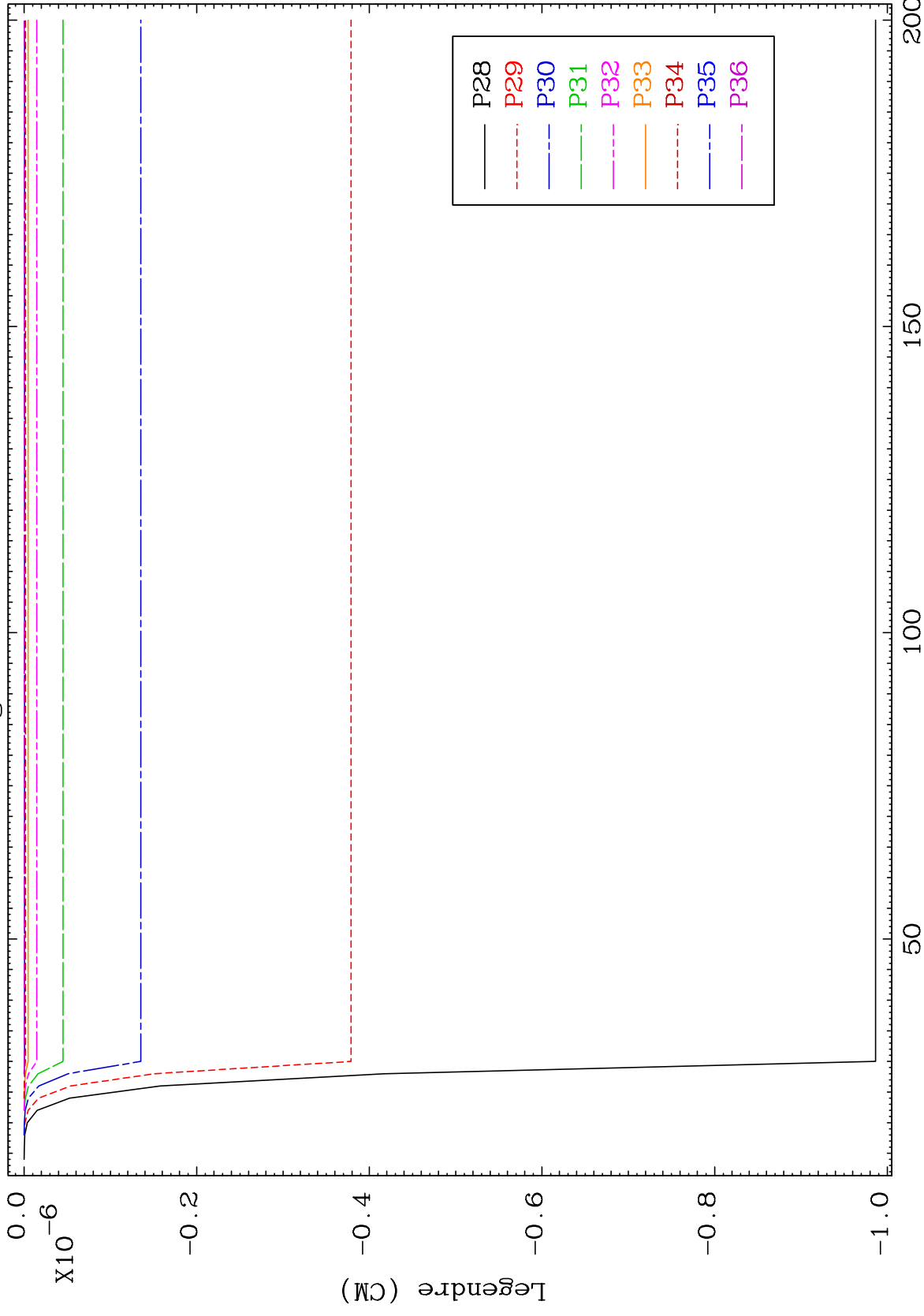
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



56-Ba-121

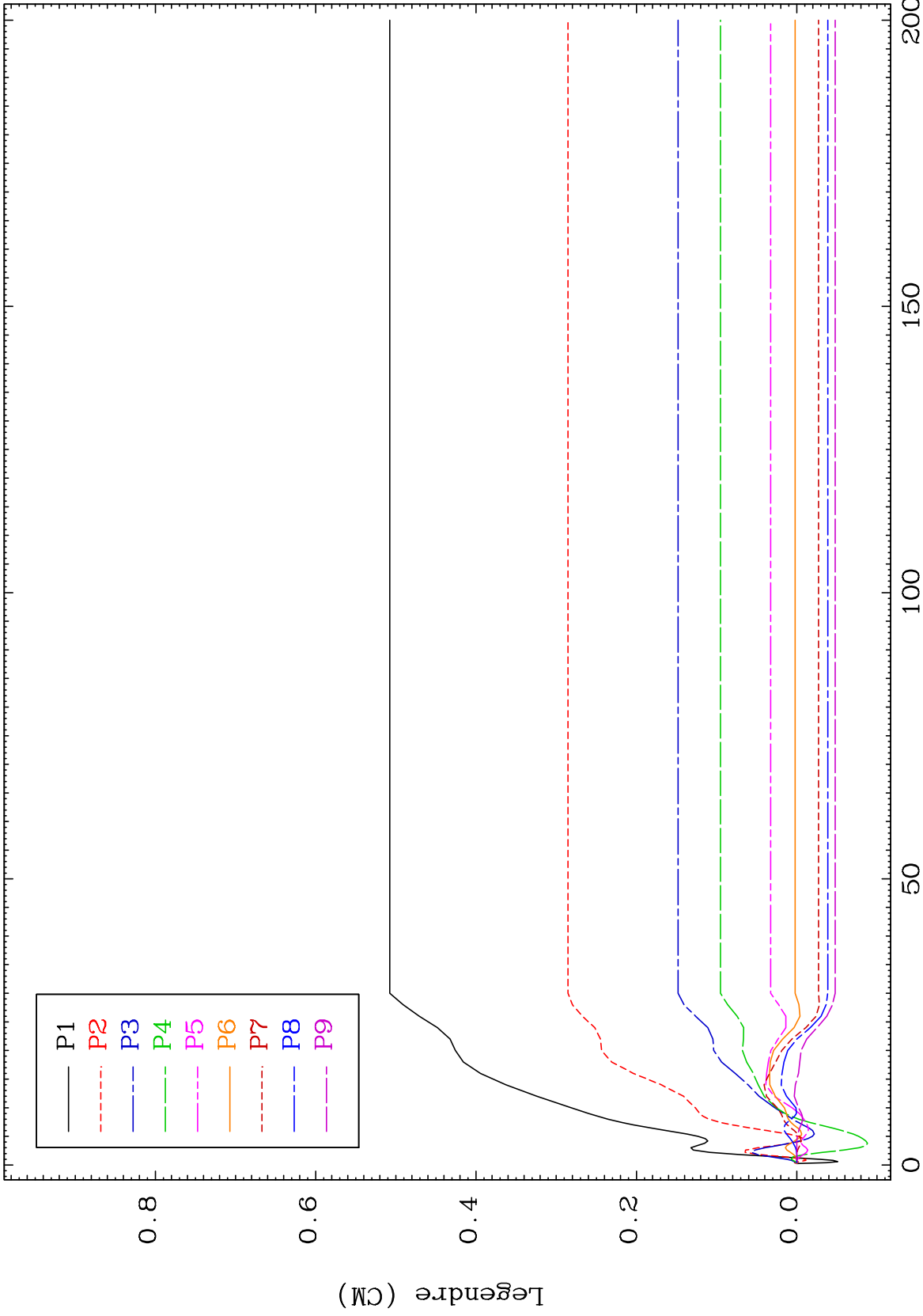
Incident Energy (MeV)

35

MAT 5598

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

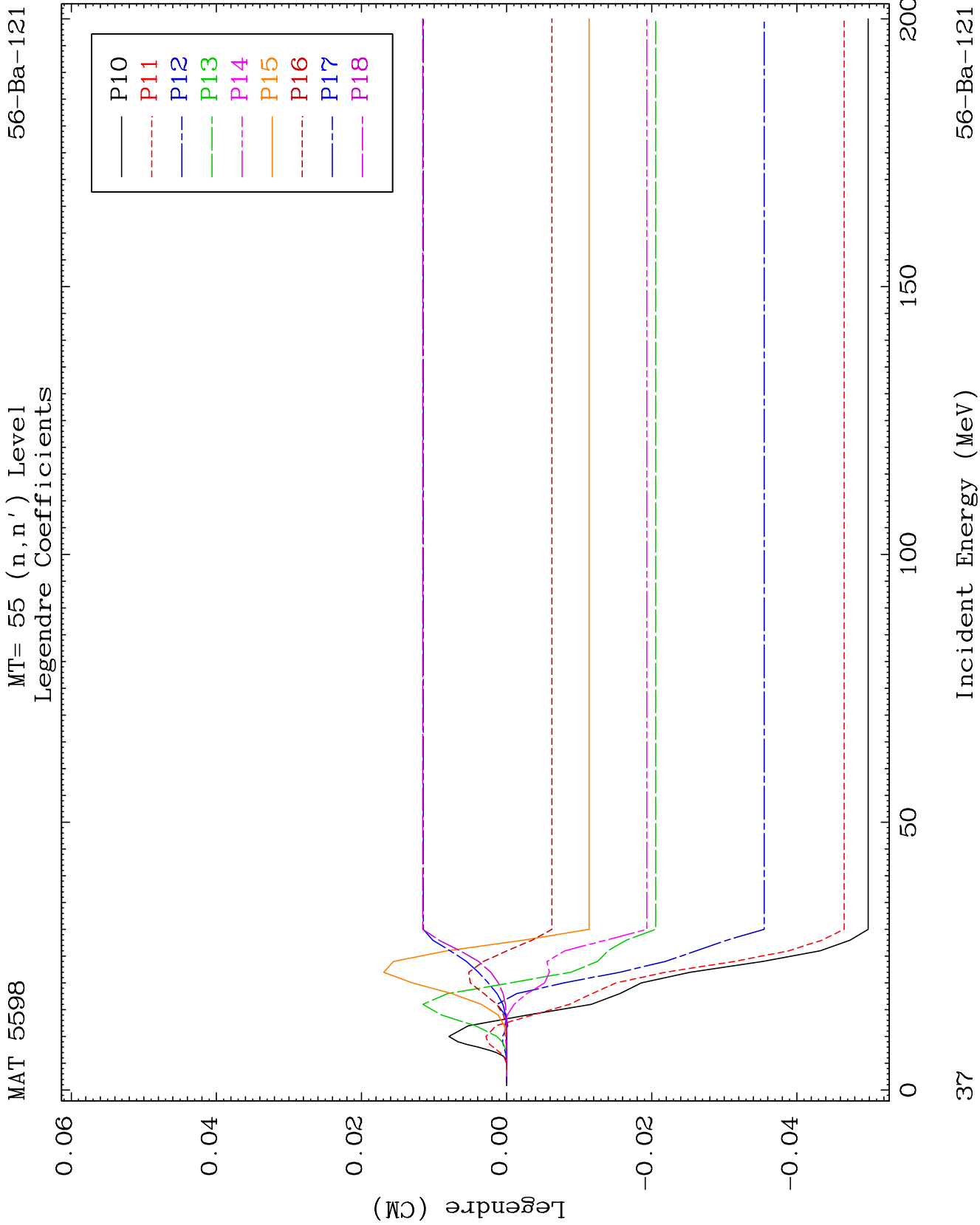
56-Ba-121



36

Incident Energy (MeV)

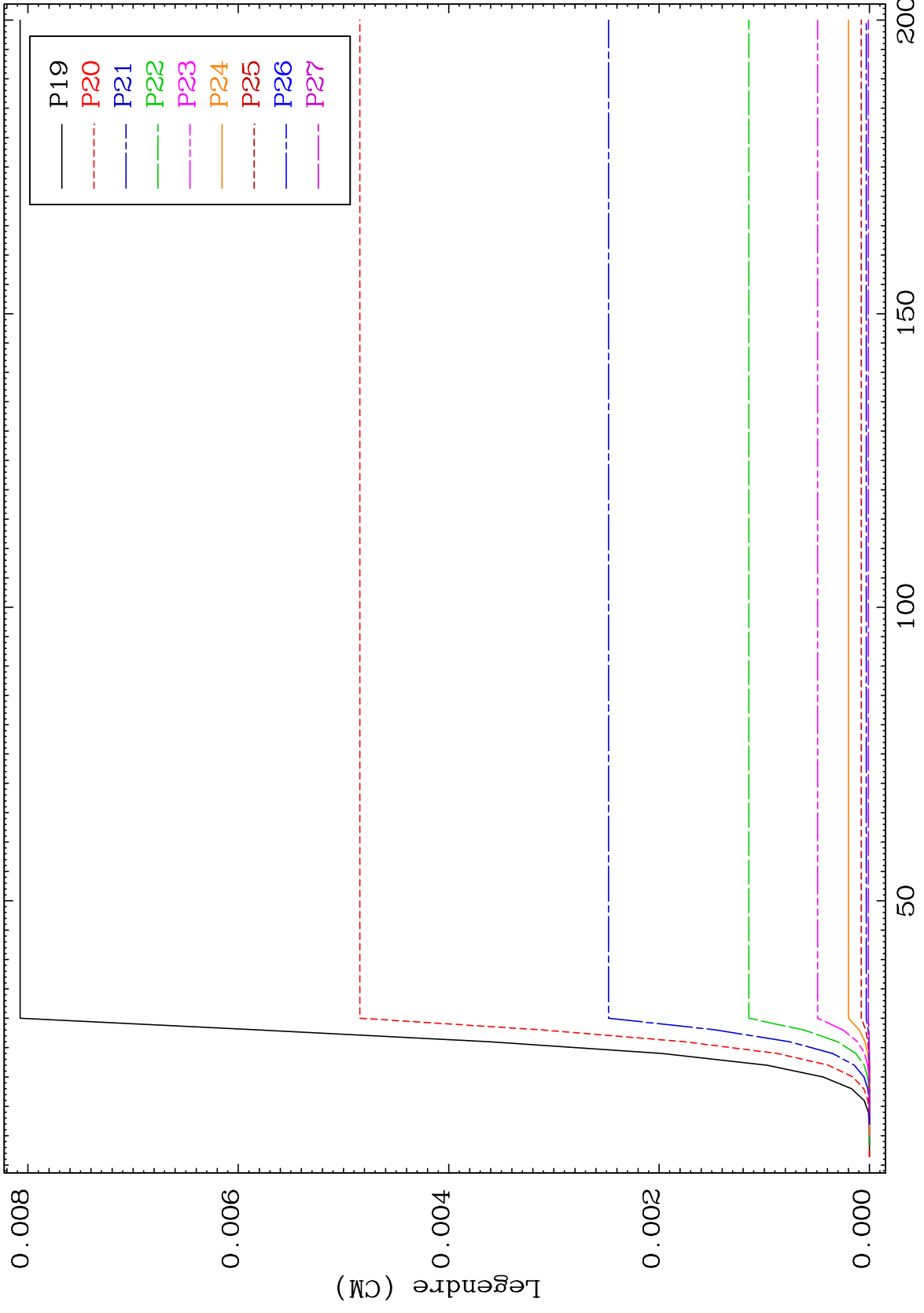
56-Ba-121



MAT 5598

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

56-Ba-121



38

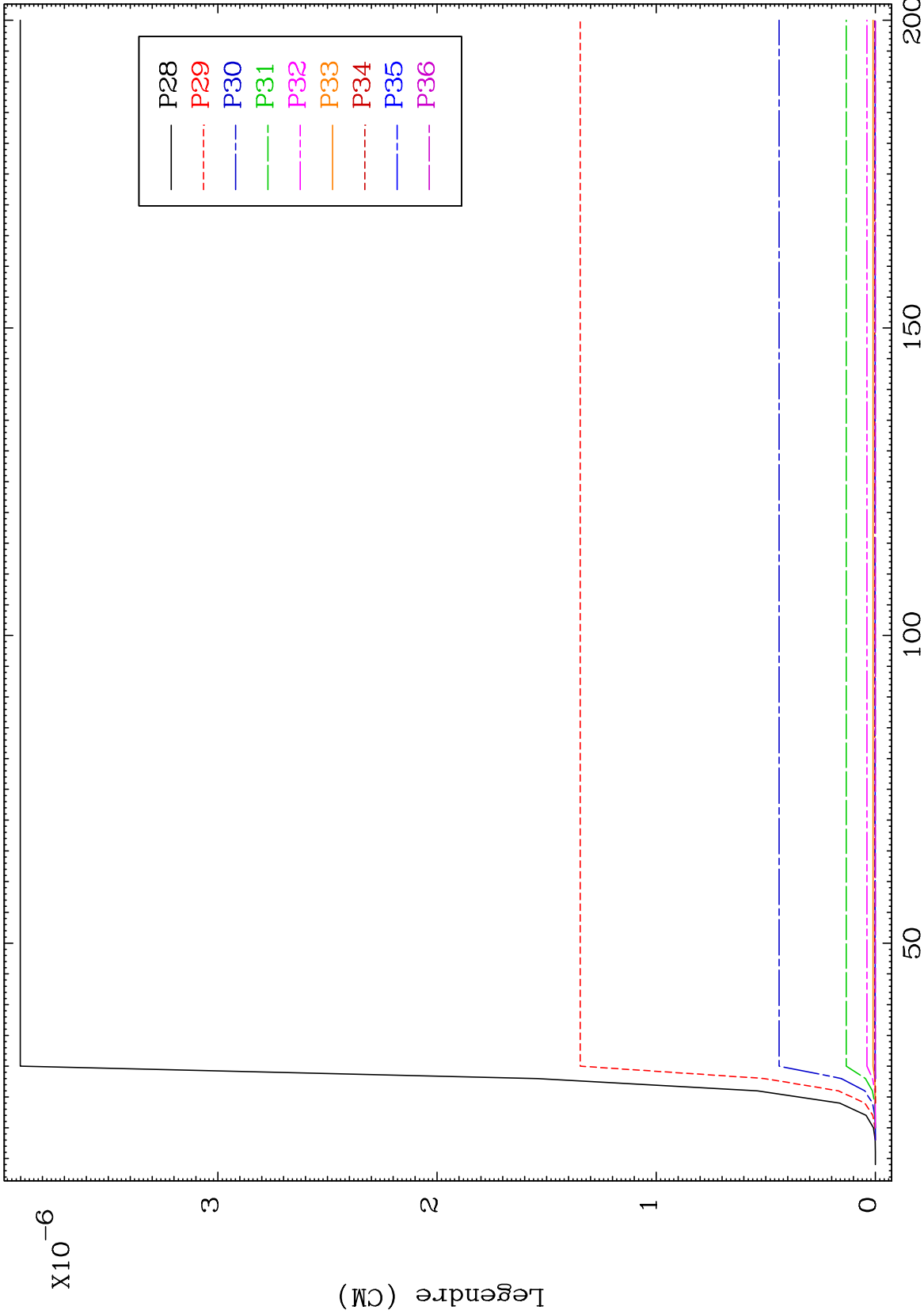
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



39

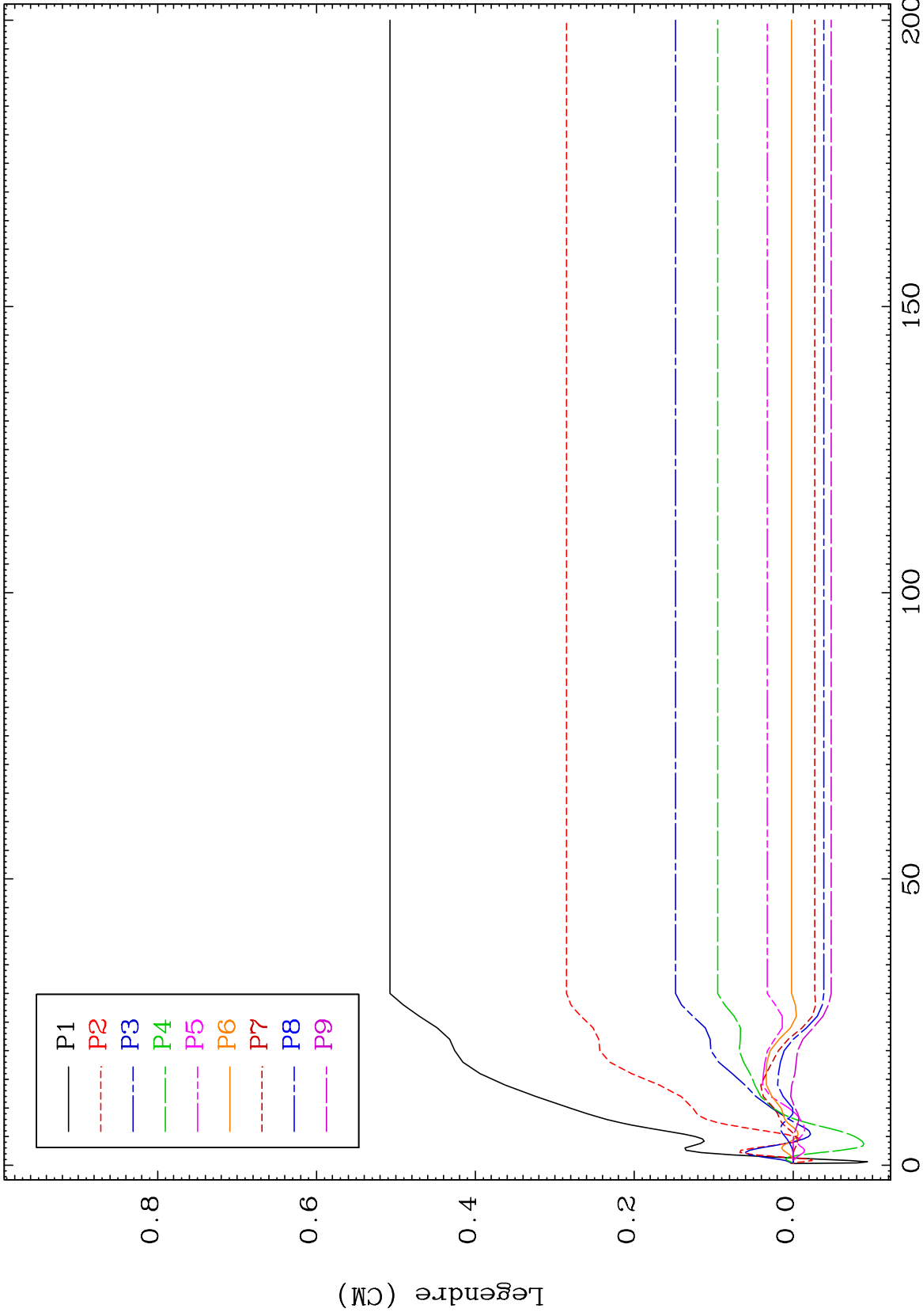
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

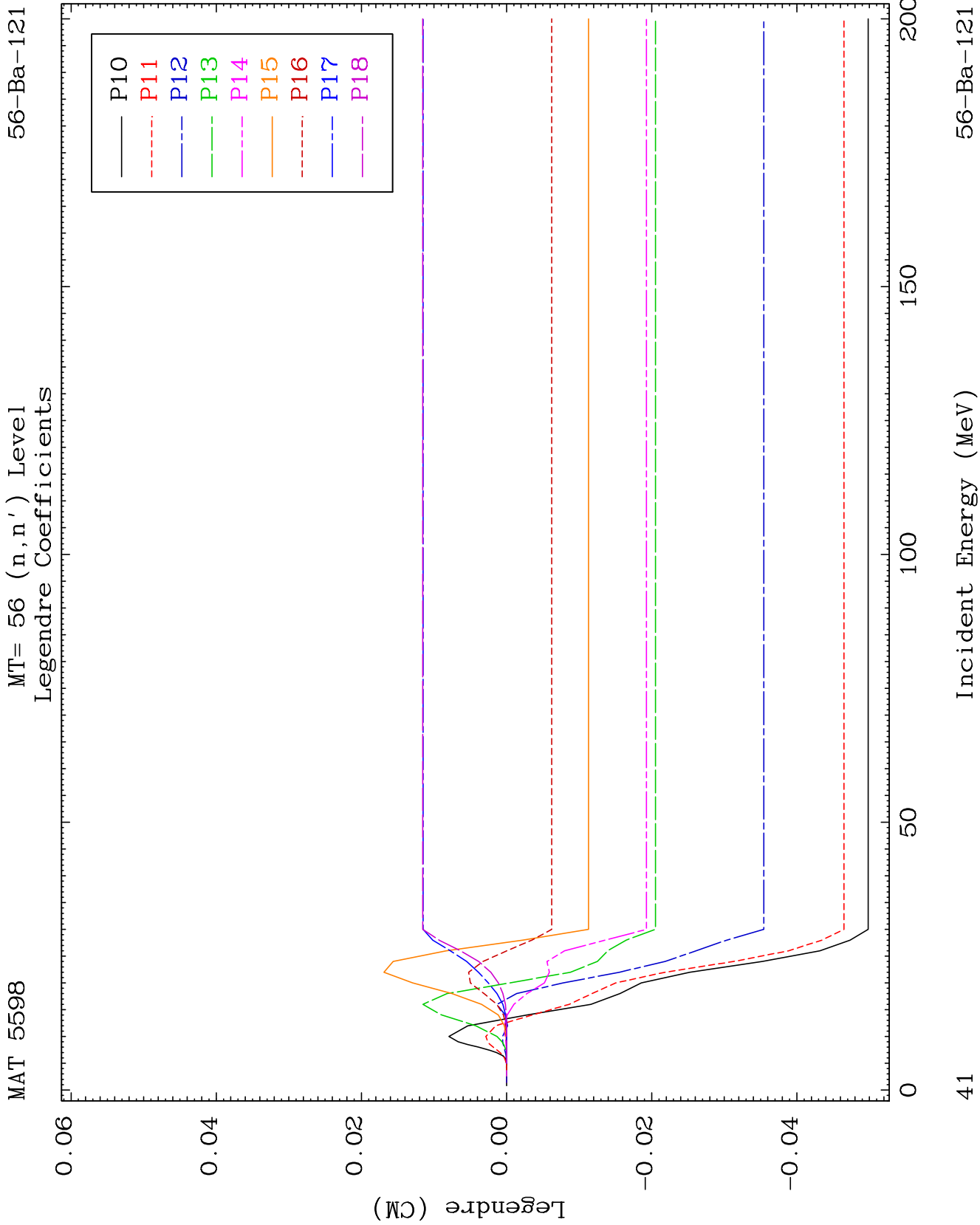
56-Ba-121



56-Ba-121

Incident Energy (MeV)

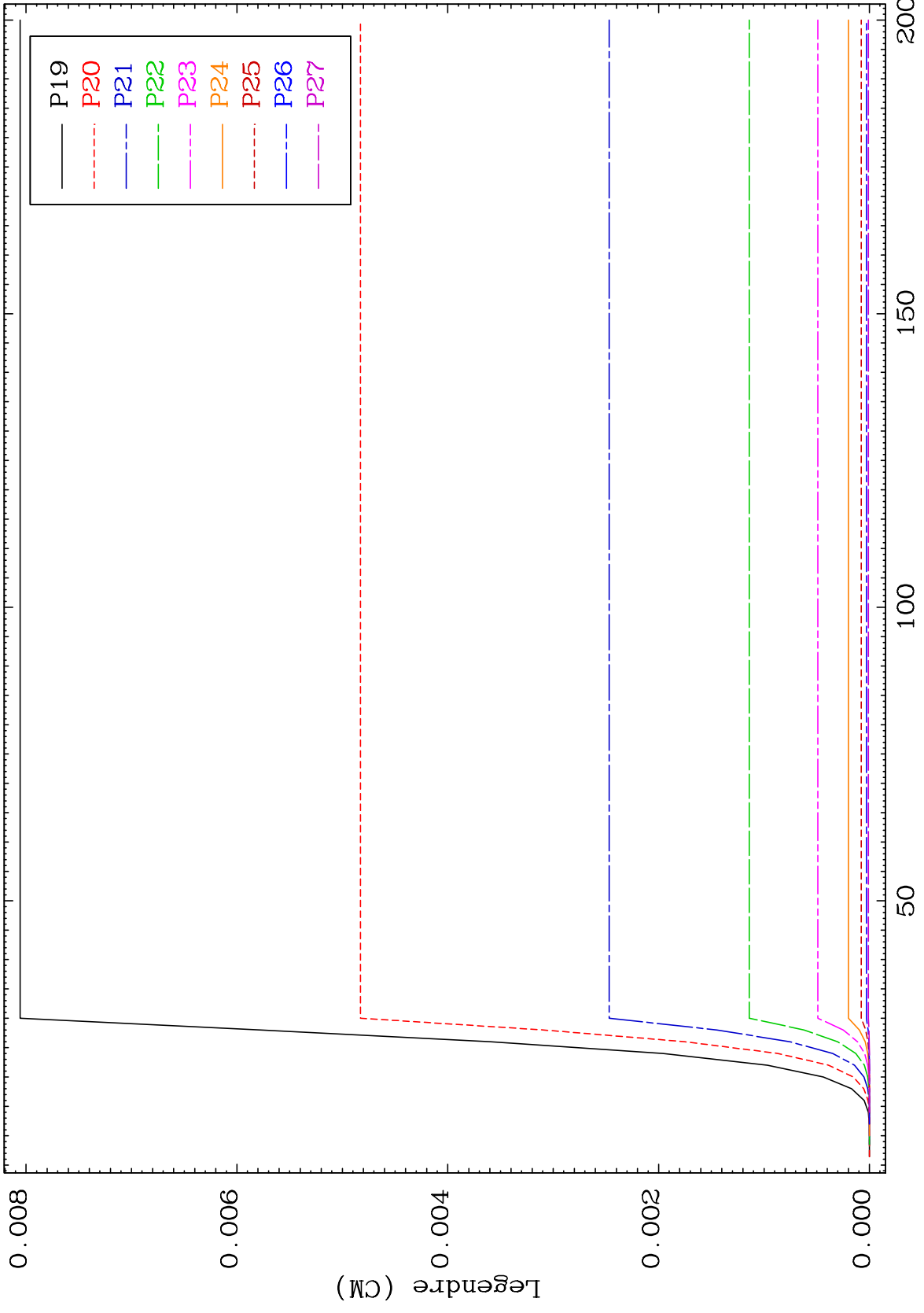
40



MAT 5598

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

56-Ba-121



42

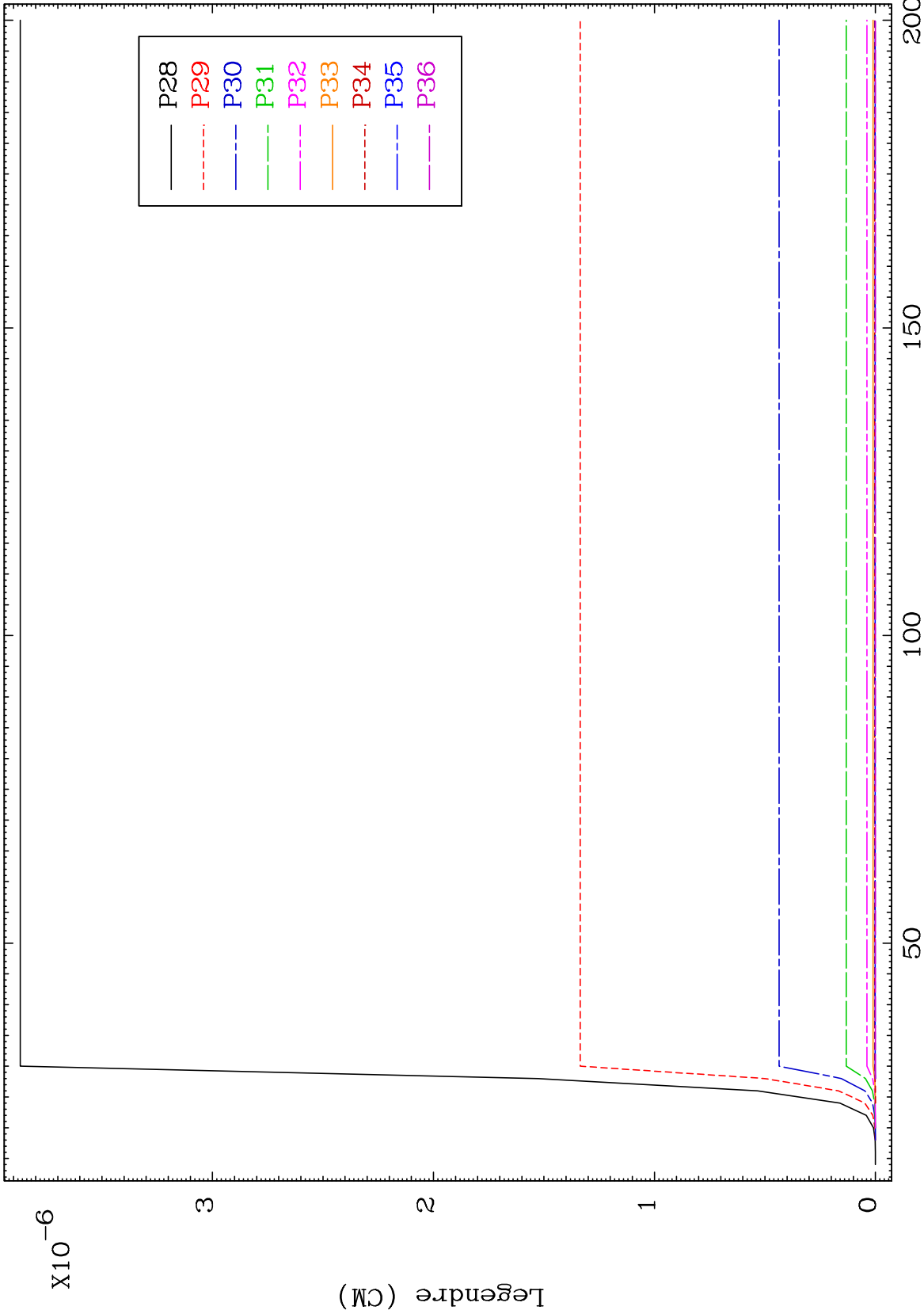
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



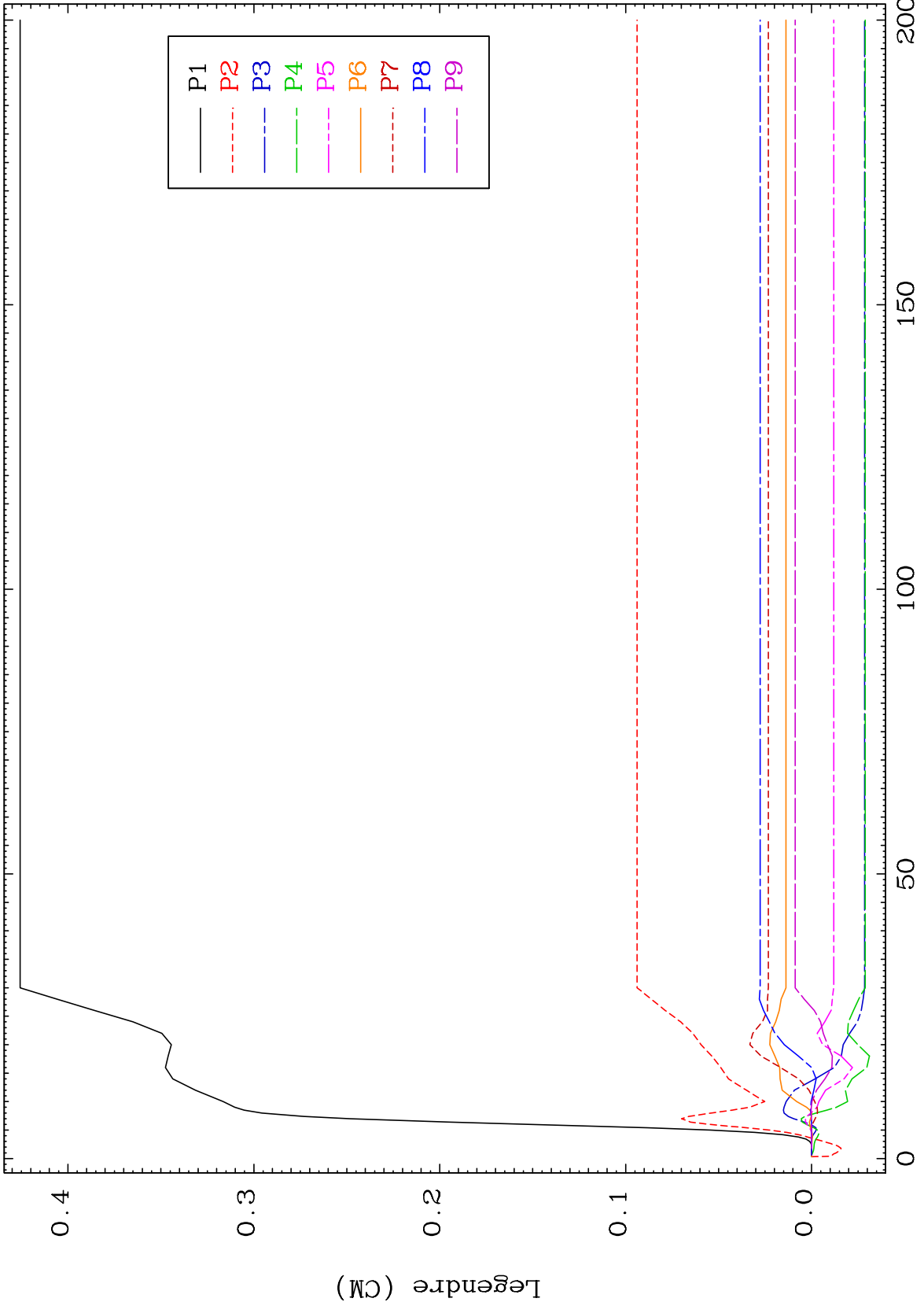
43

56-Ba-121

MAT 5598

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

56-Ba-121

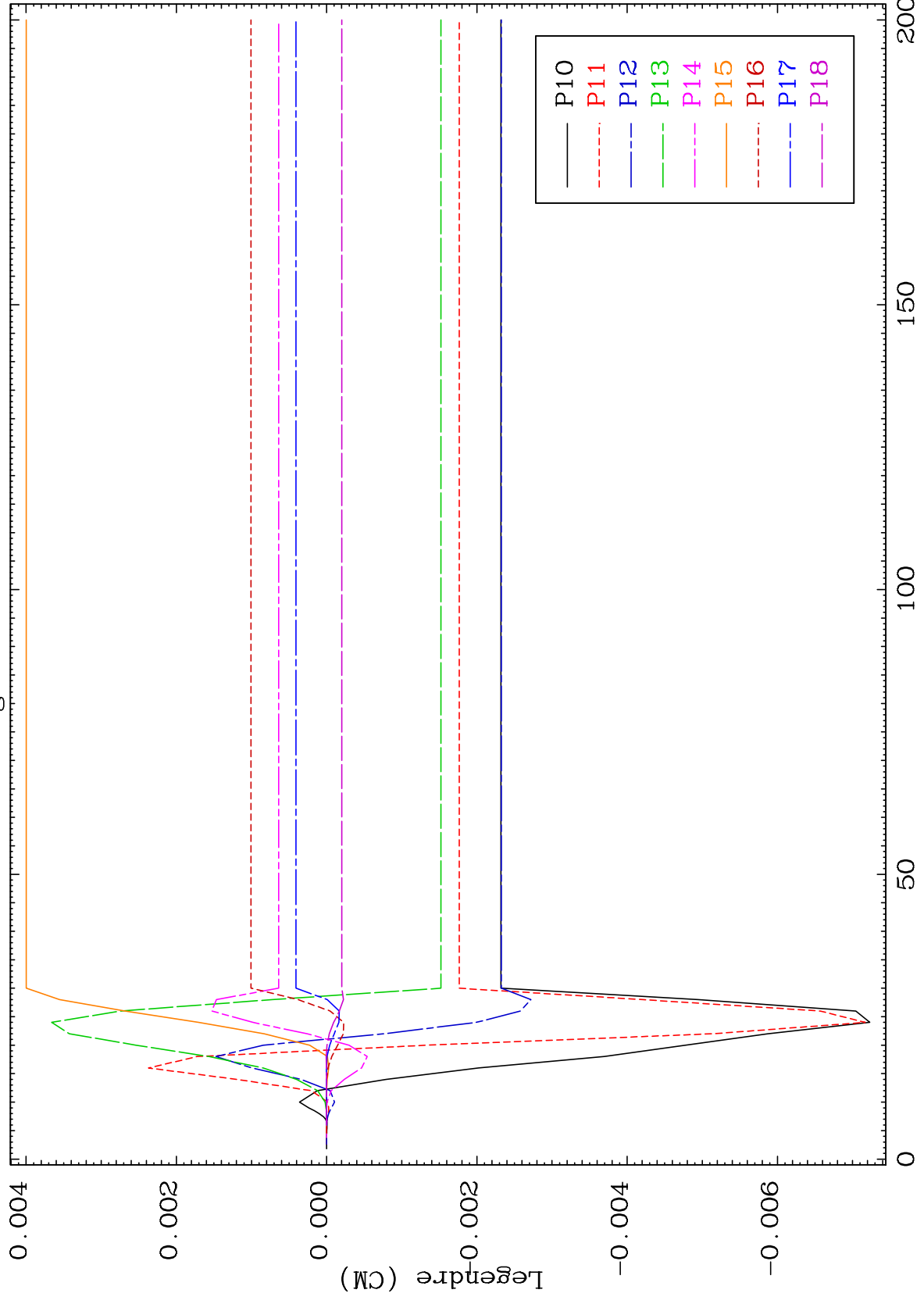


44

Incident Energy (MeV)

56-Ba-121

MAT 5598 MT= 57 (n,n') Level Legendre Coefficients 56-Ba-121

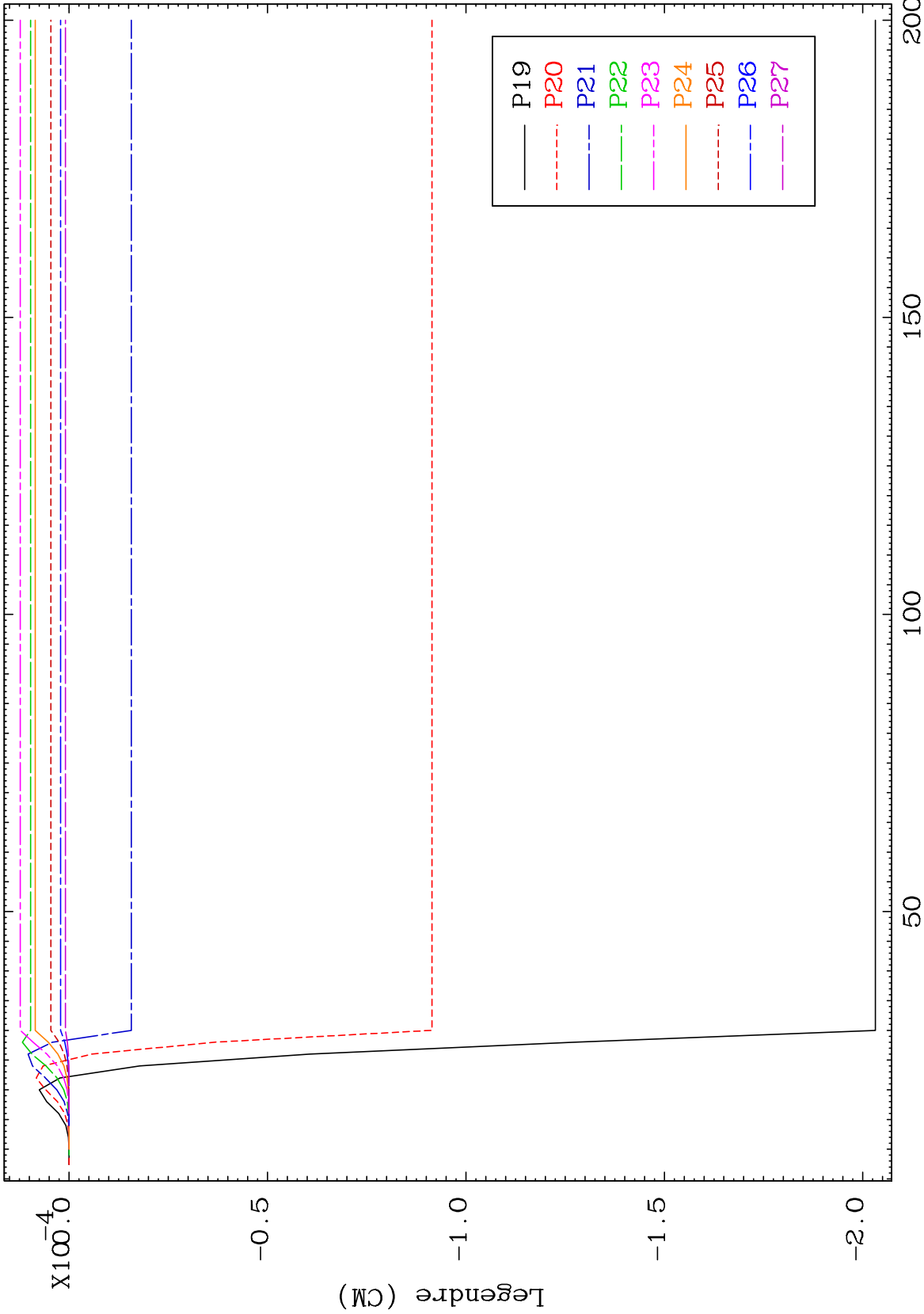


56-Ba-121 Incident Energy (MeV) 45

MAT 5598

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

56-Ba-121



46

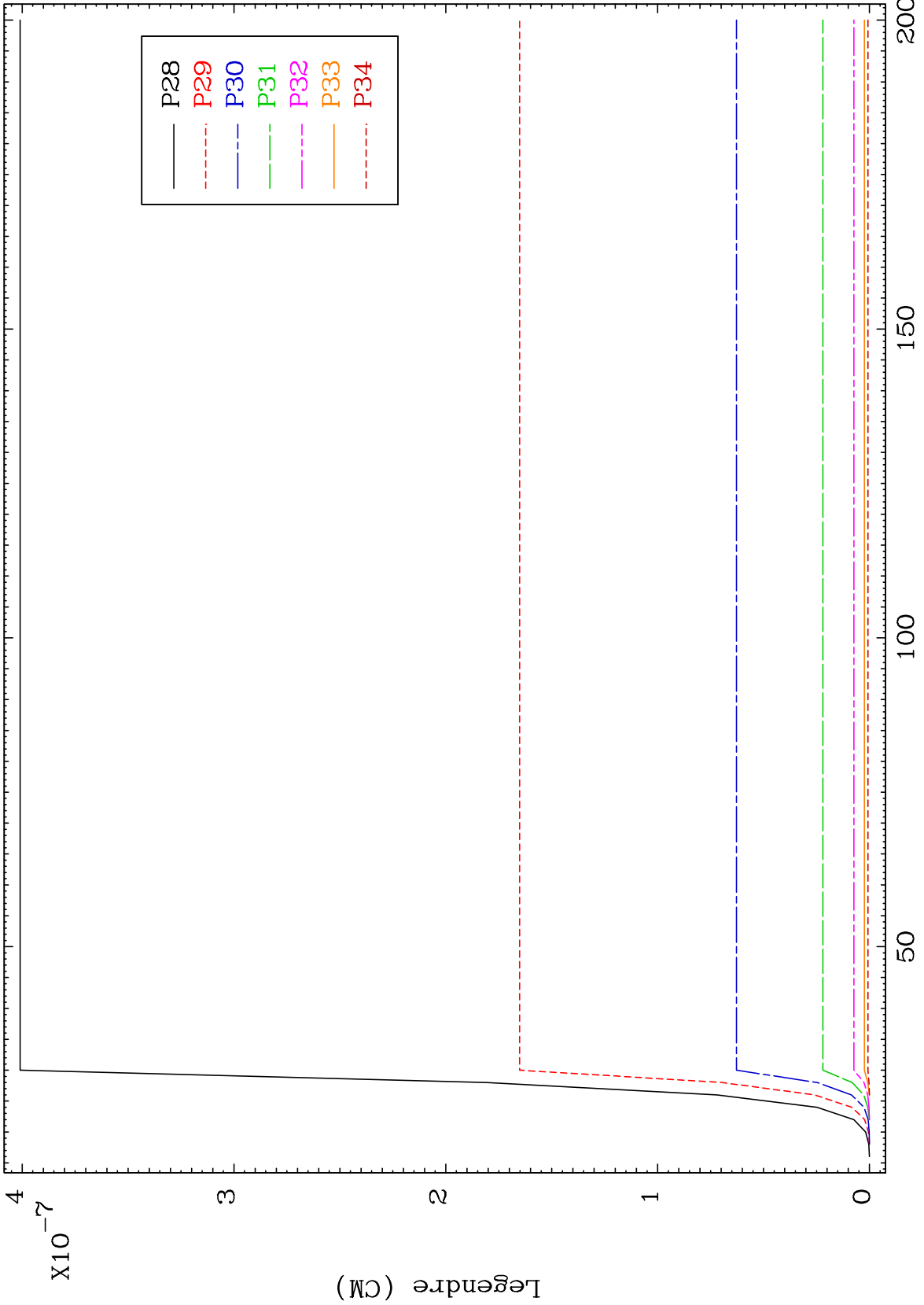
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



47

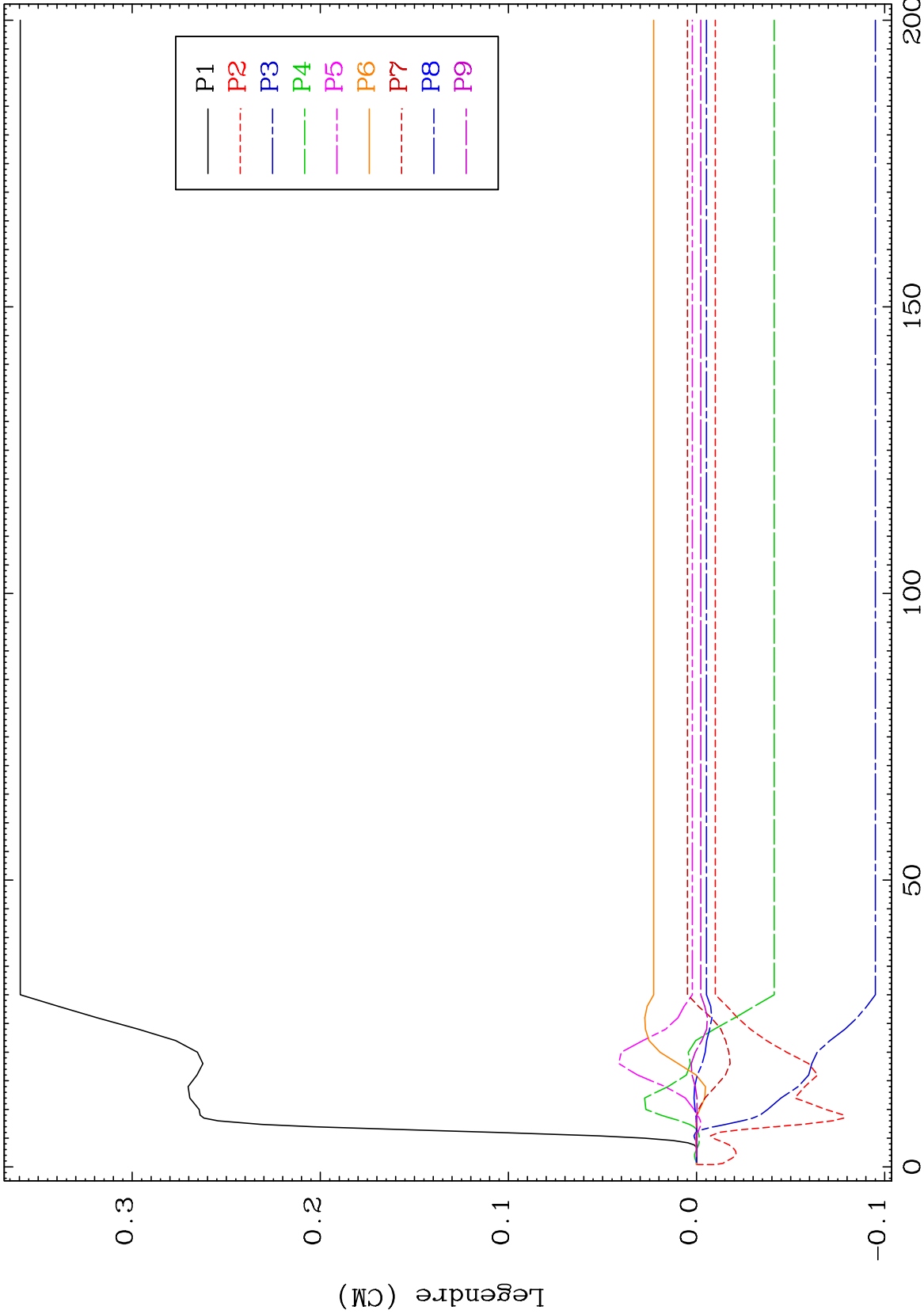
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



48

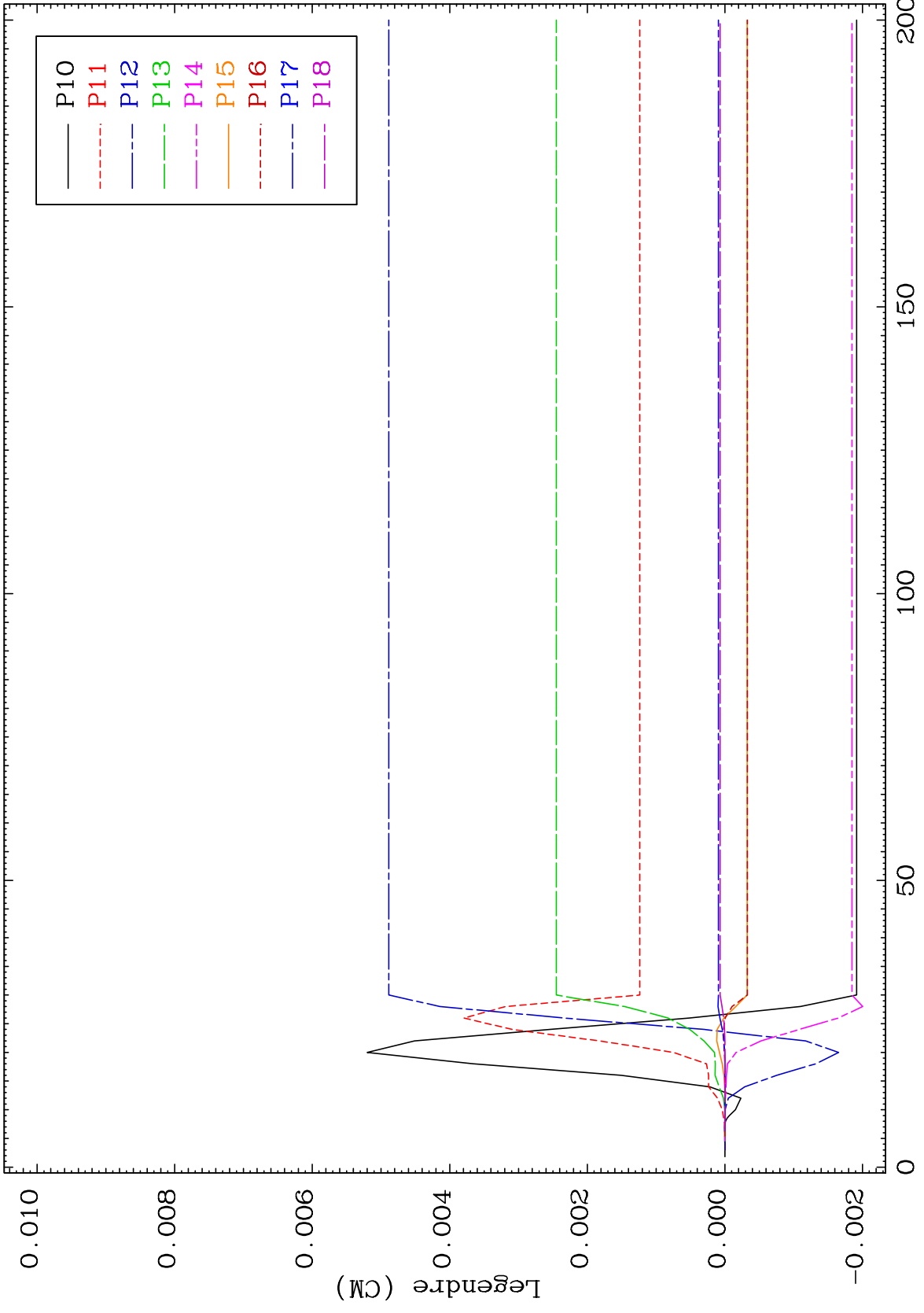
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



49

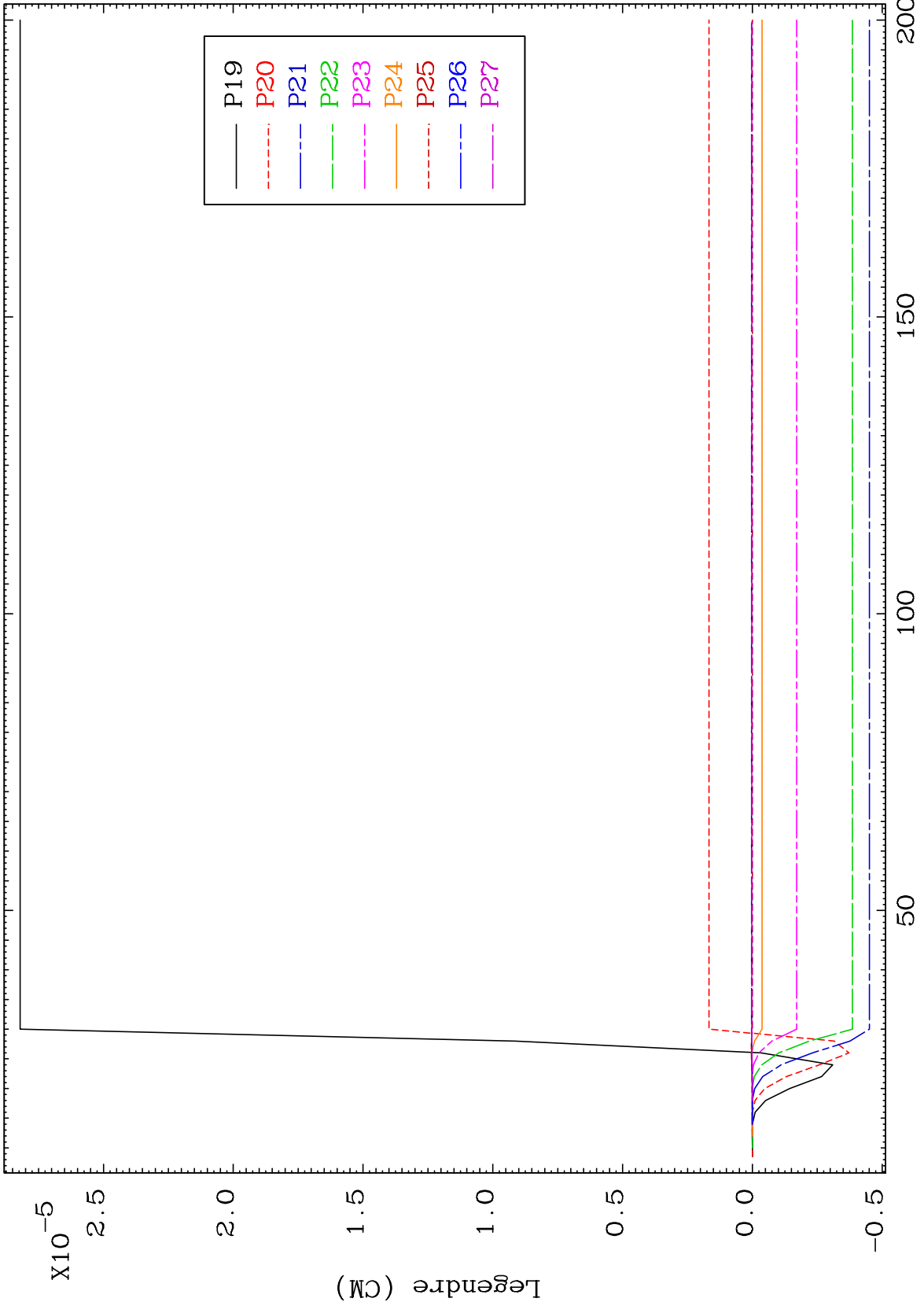
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



50

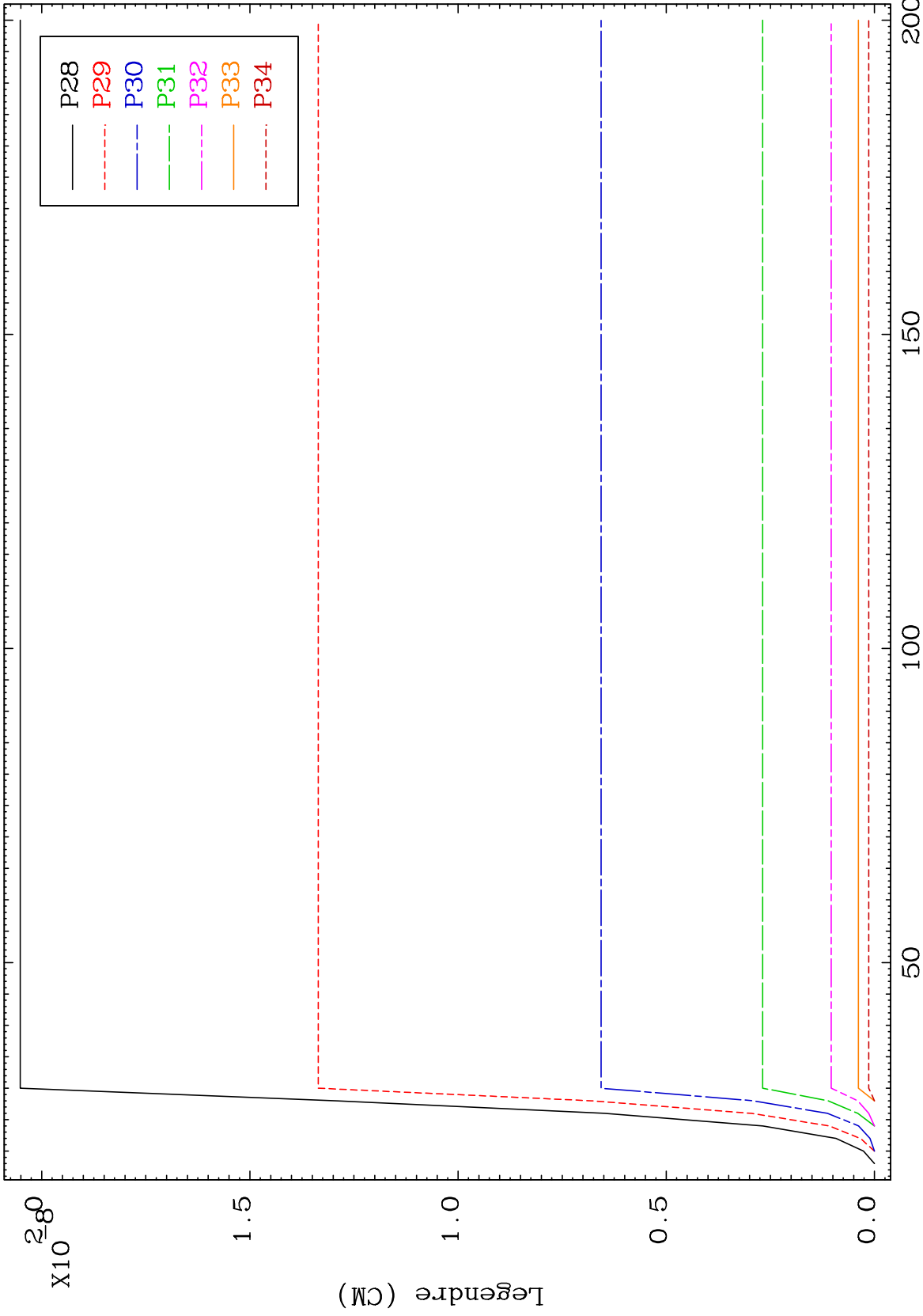
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



51

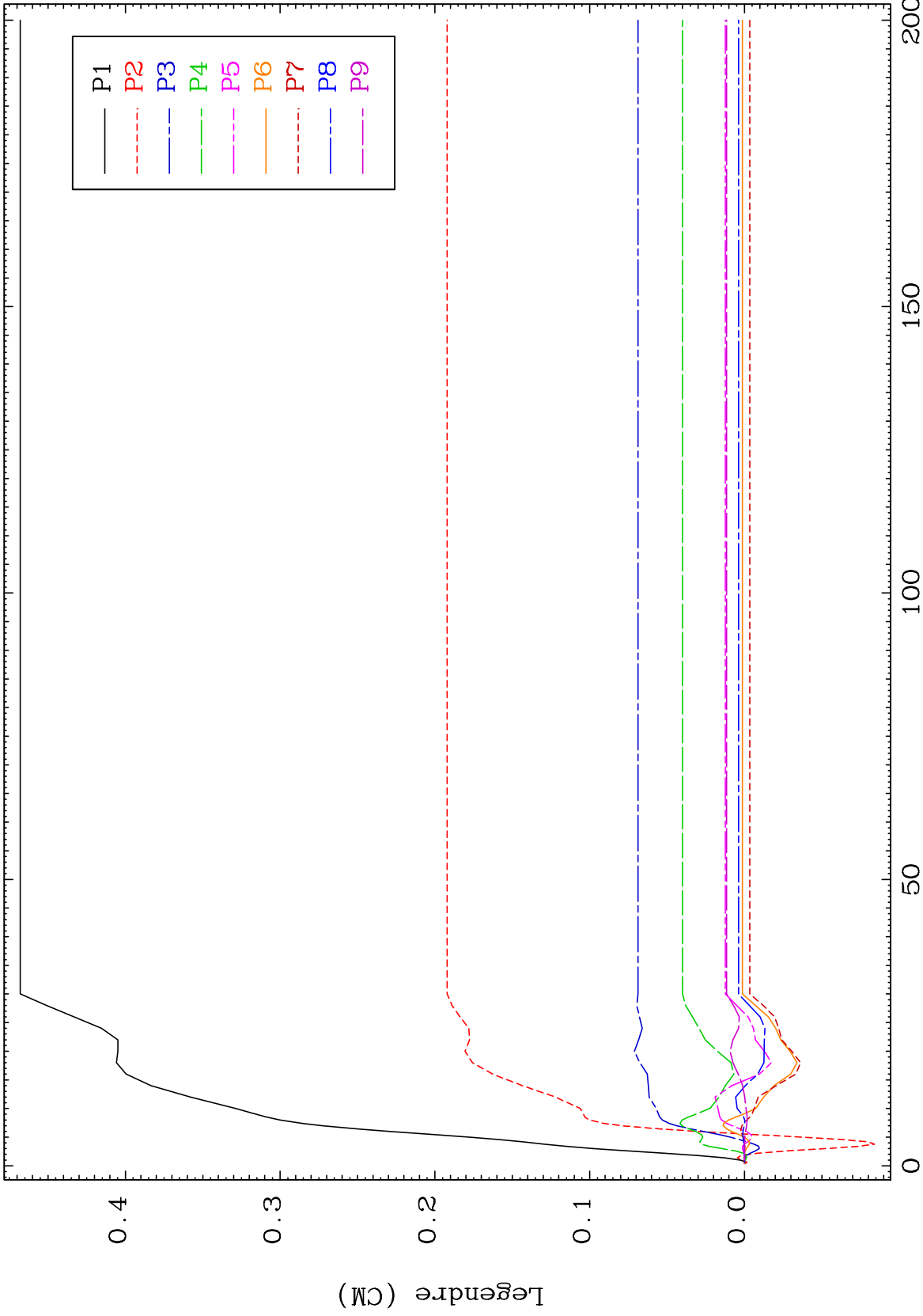
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



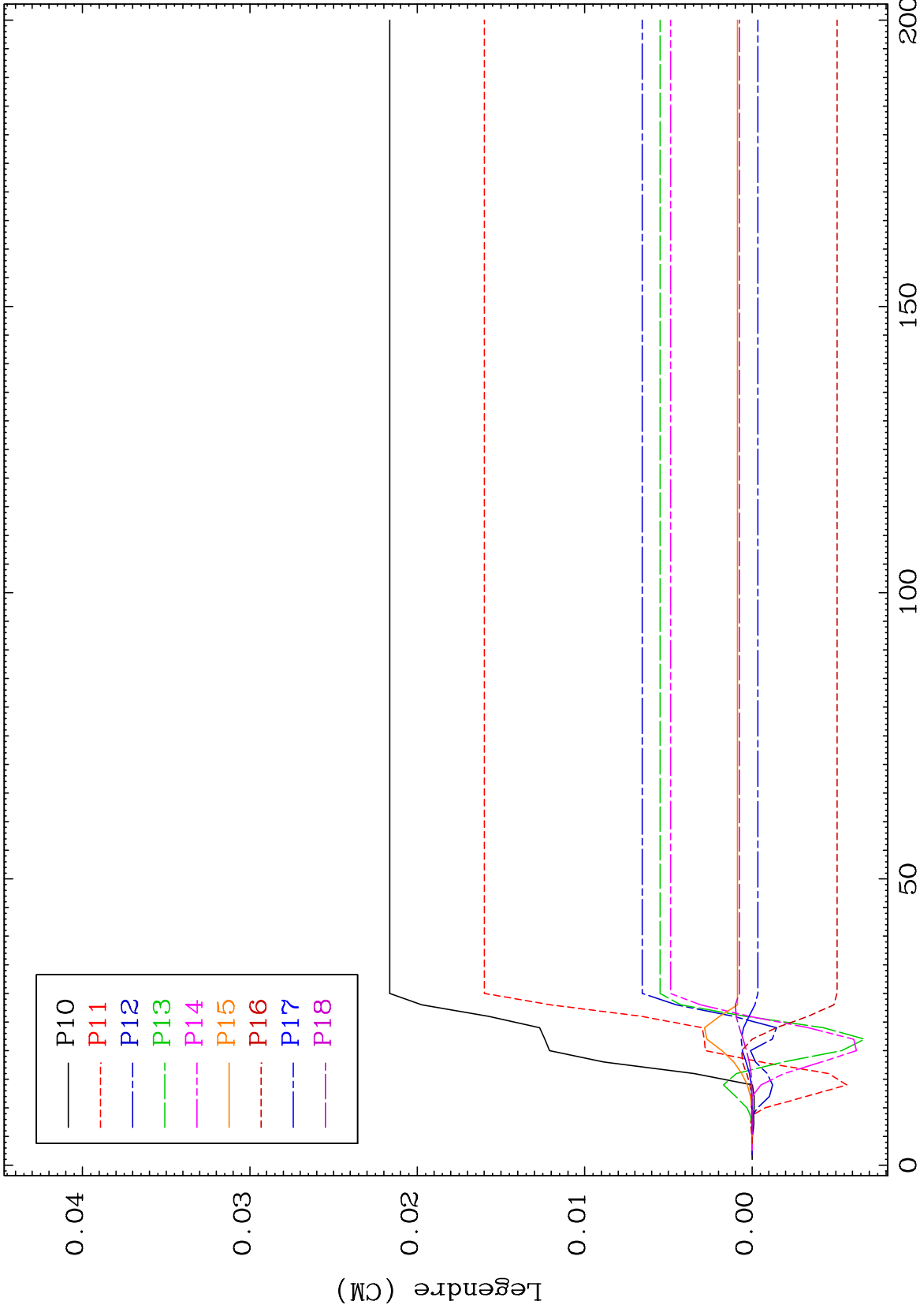
52

56-Ba-121

MAT 5598

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

56-Ba-121



53

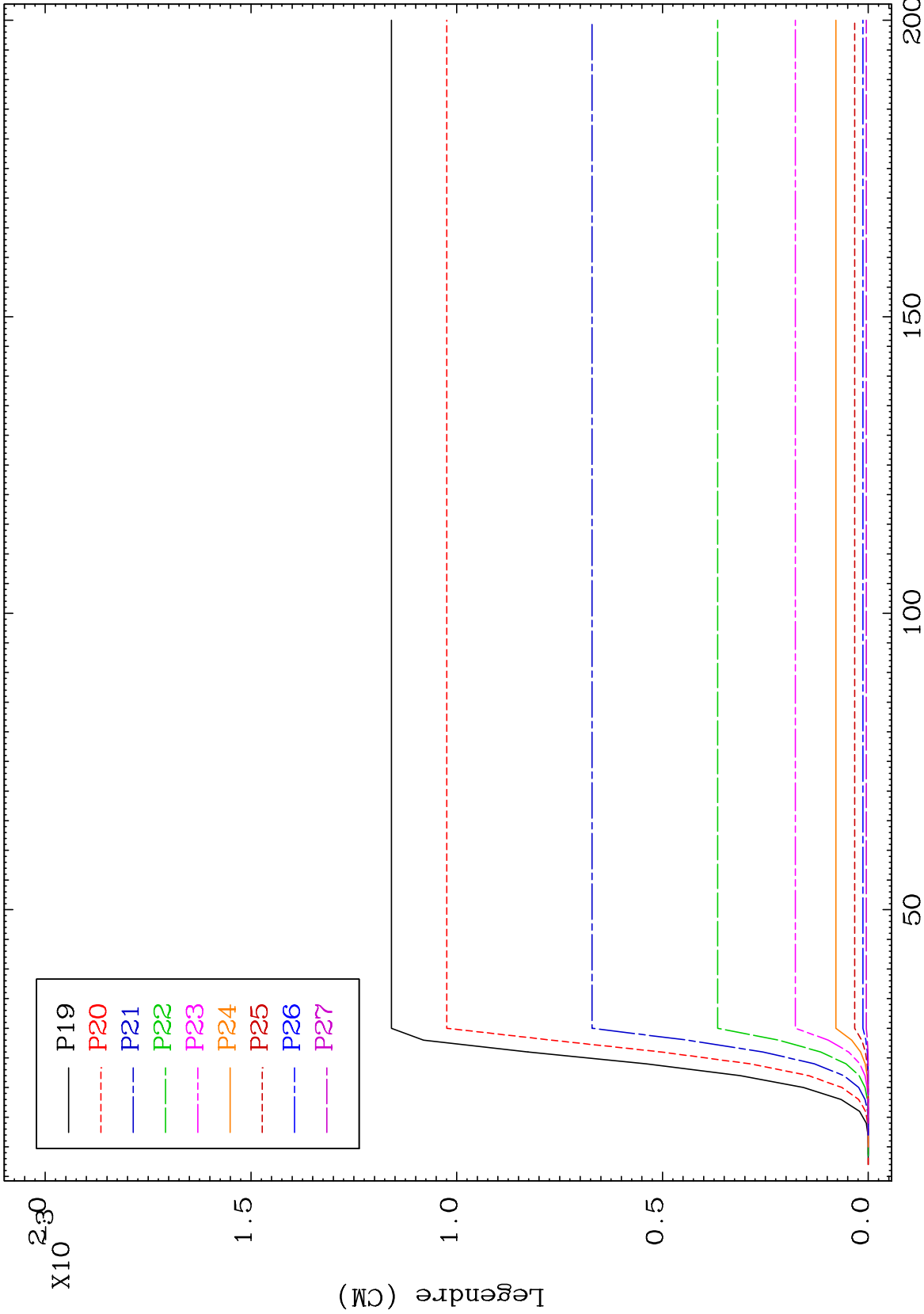
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



54

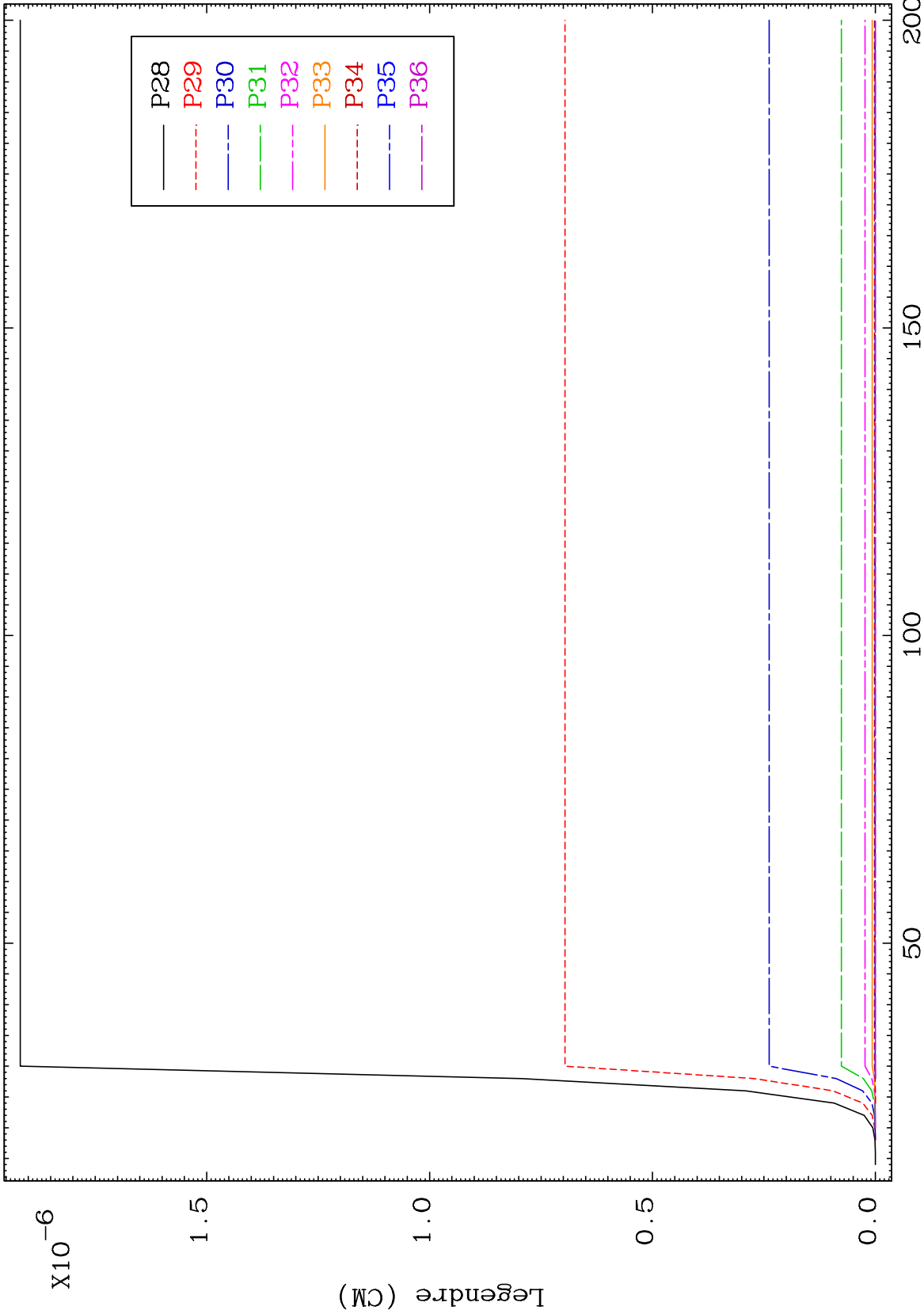
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

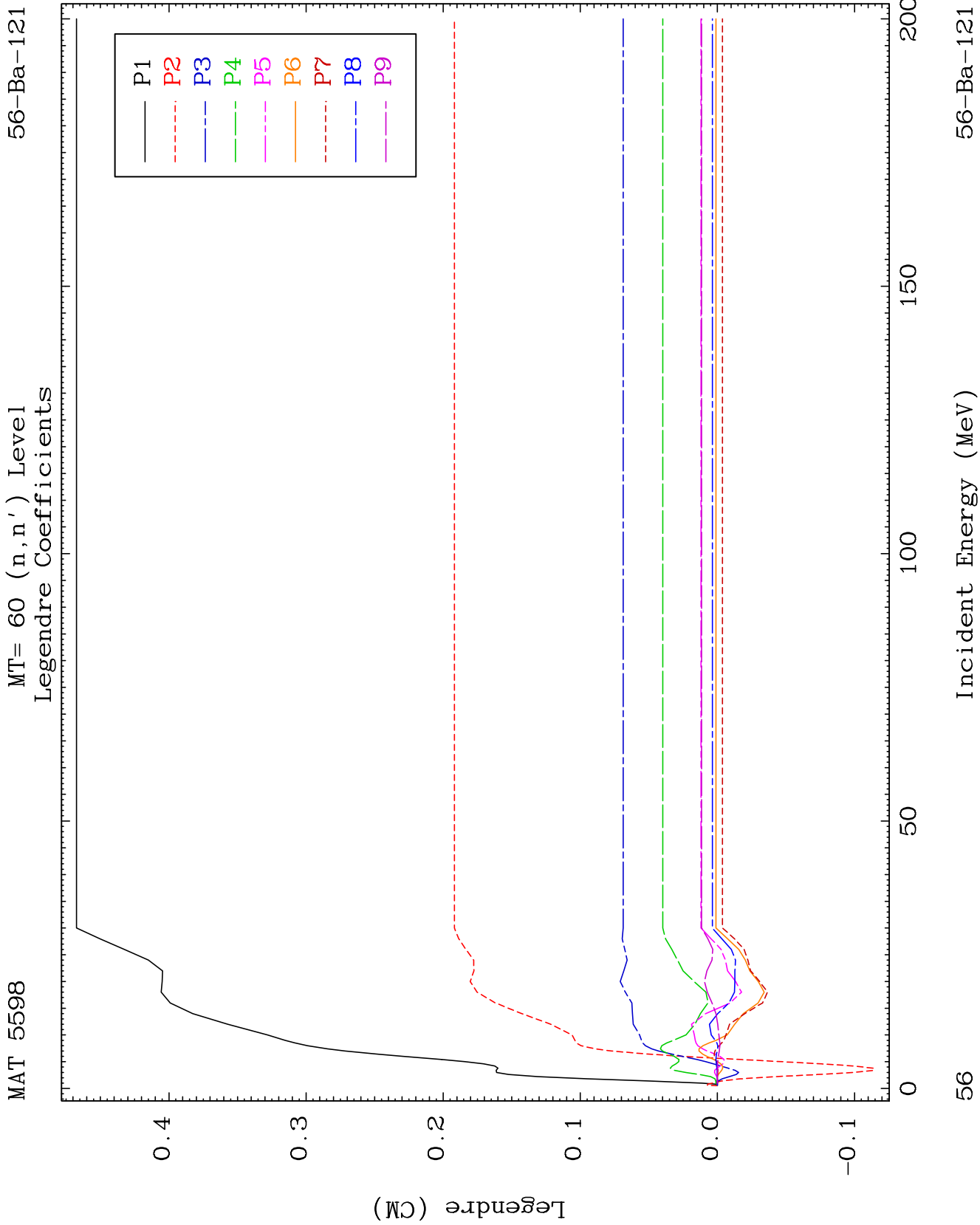
56-Ba-121



55

Incident Energy (MeV)

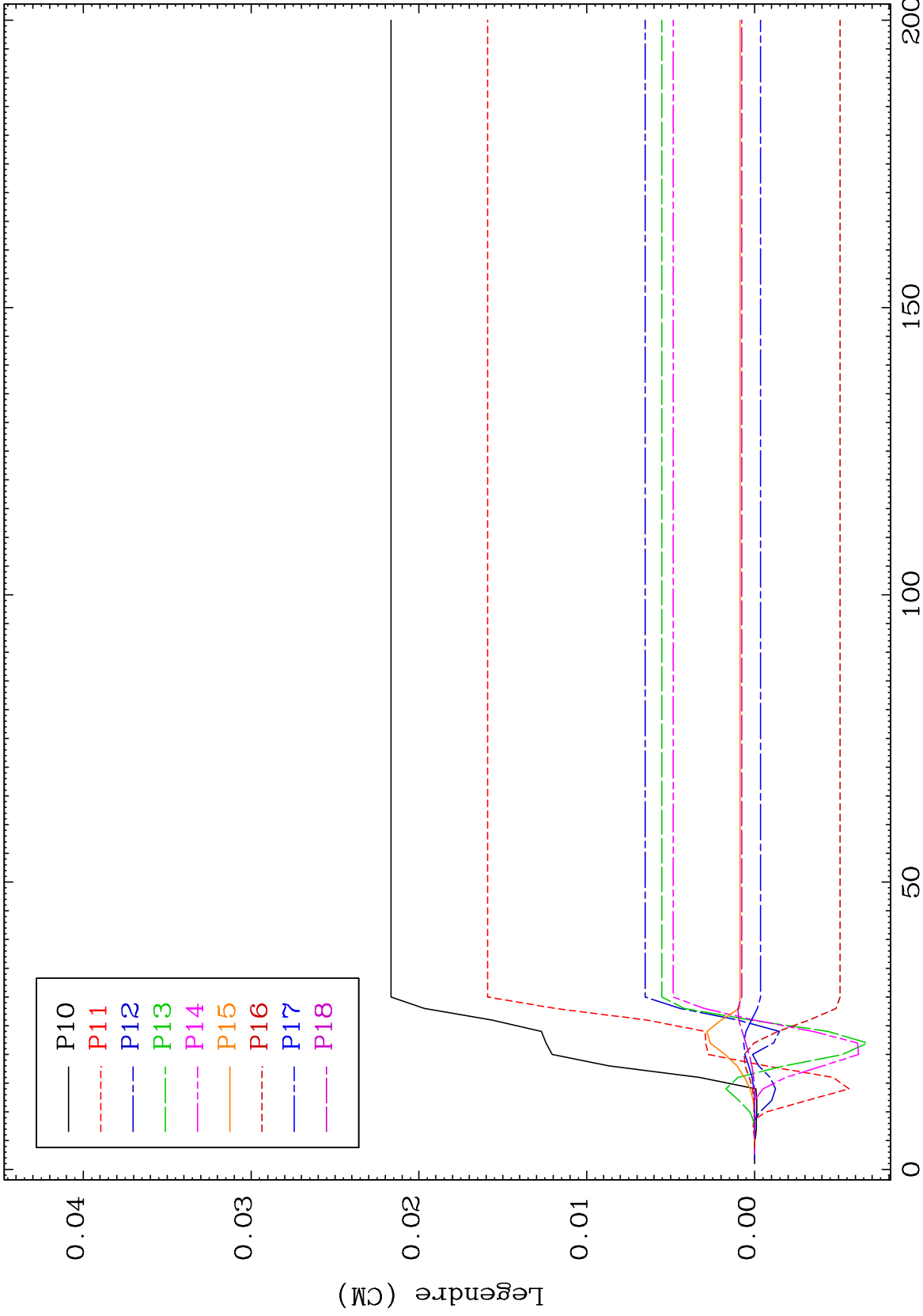
56-Ba-121



MAT 5598

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

56-Ba-121



57

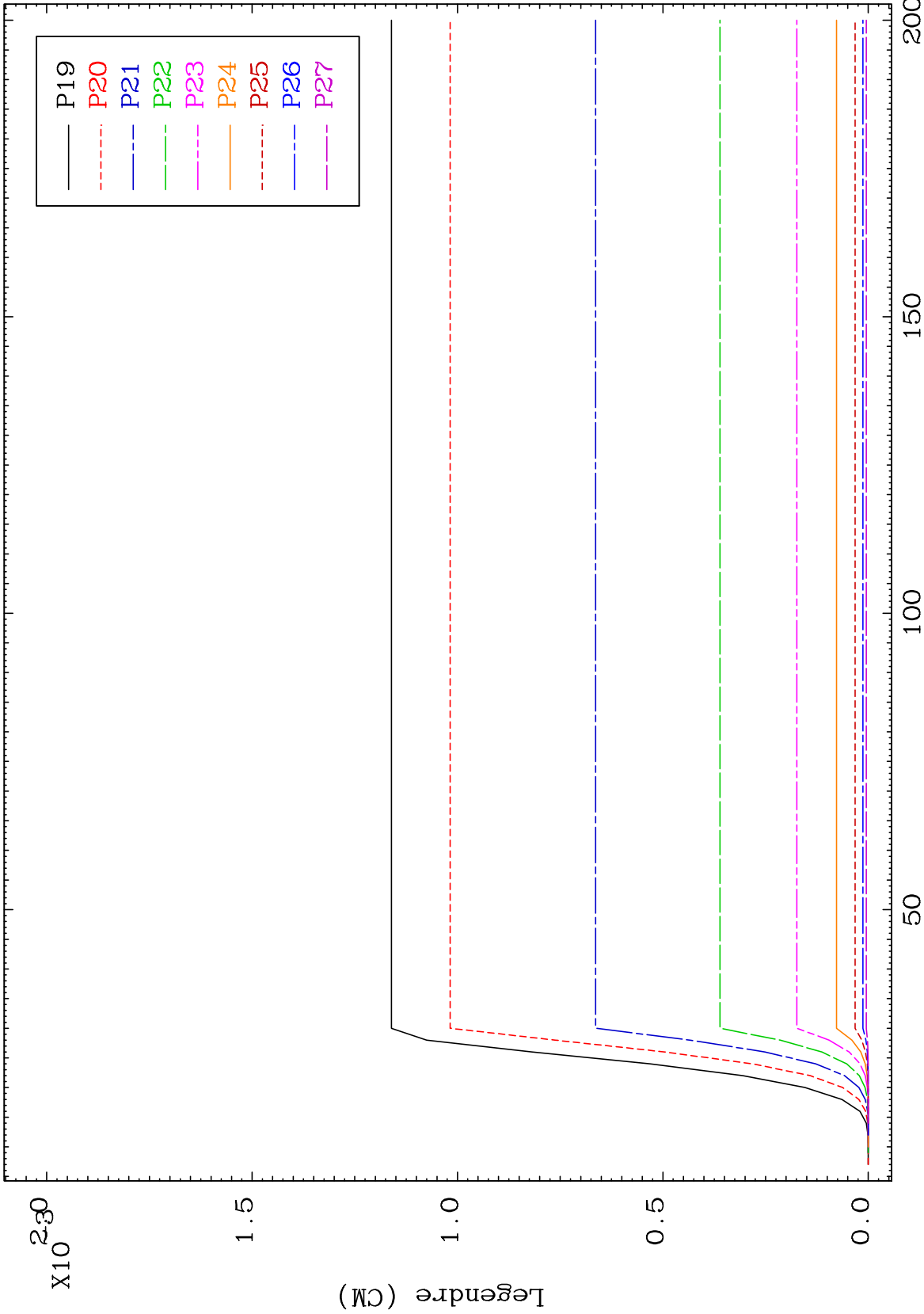
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



58

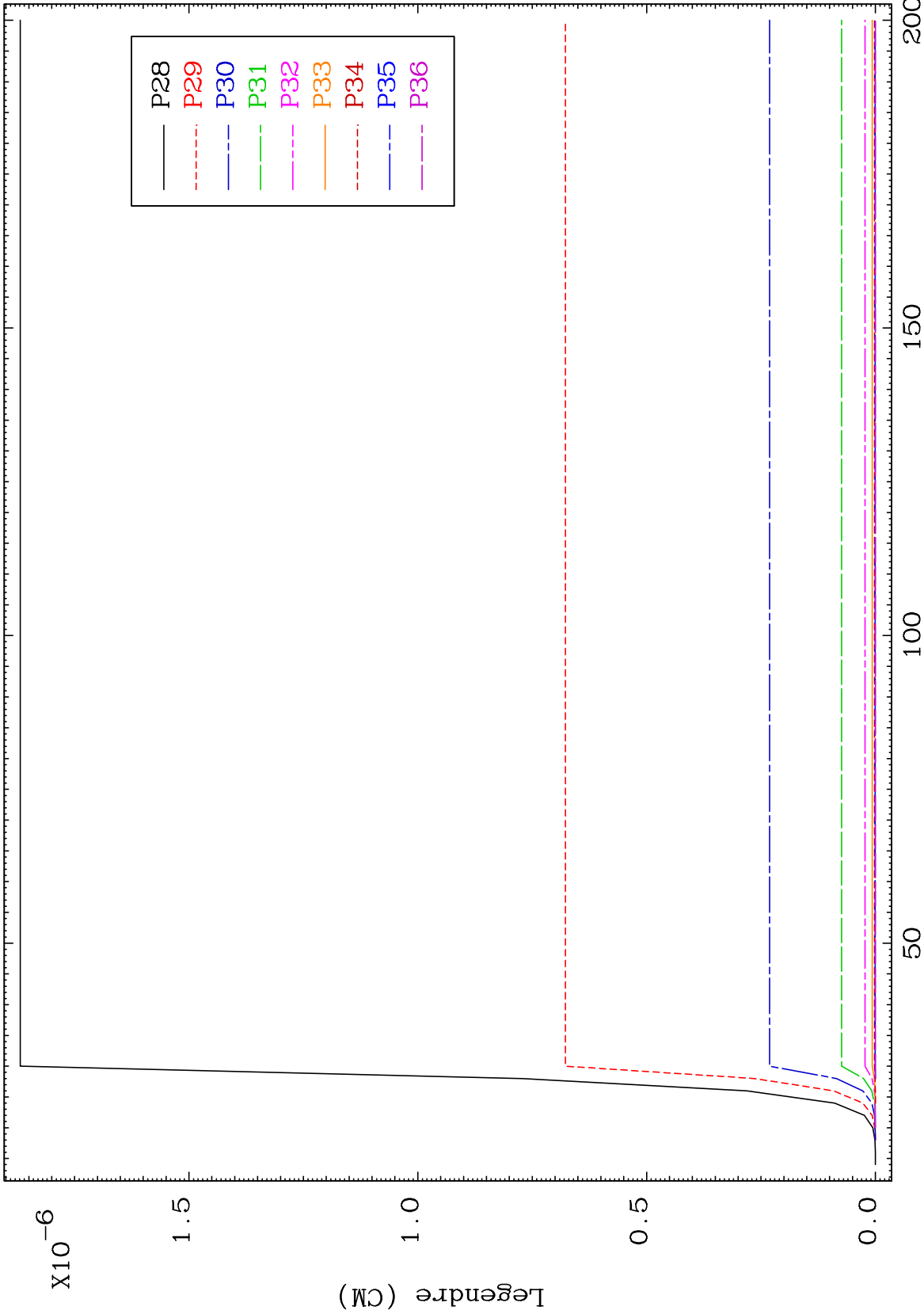
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



59

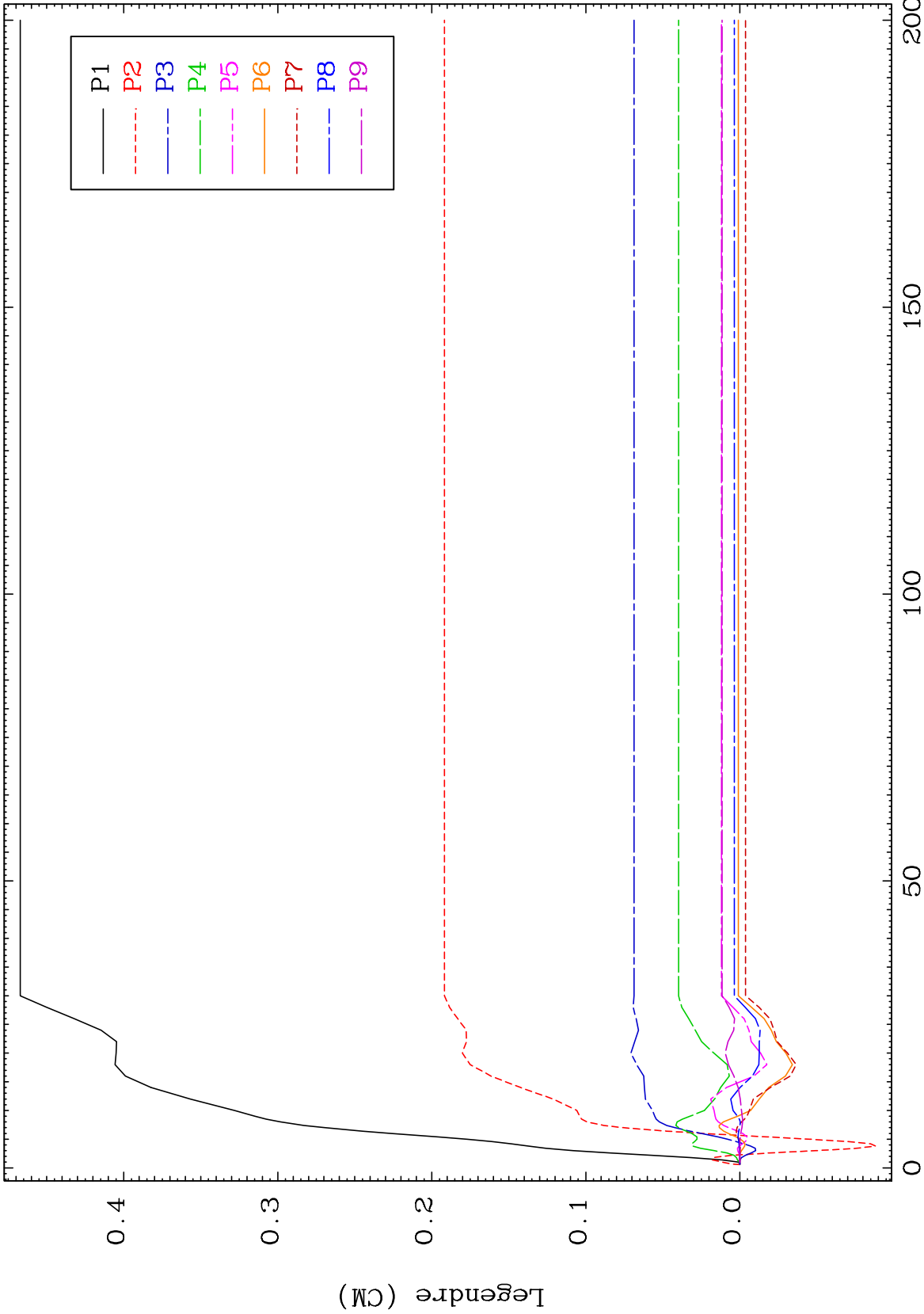
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



60

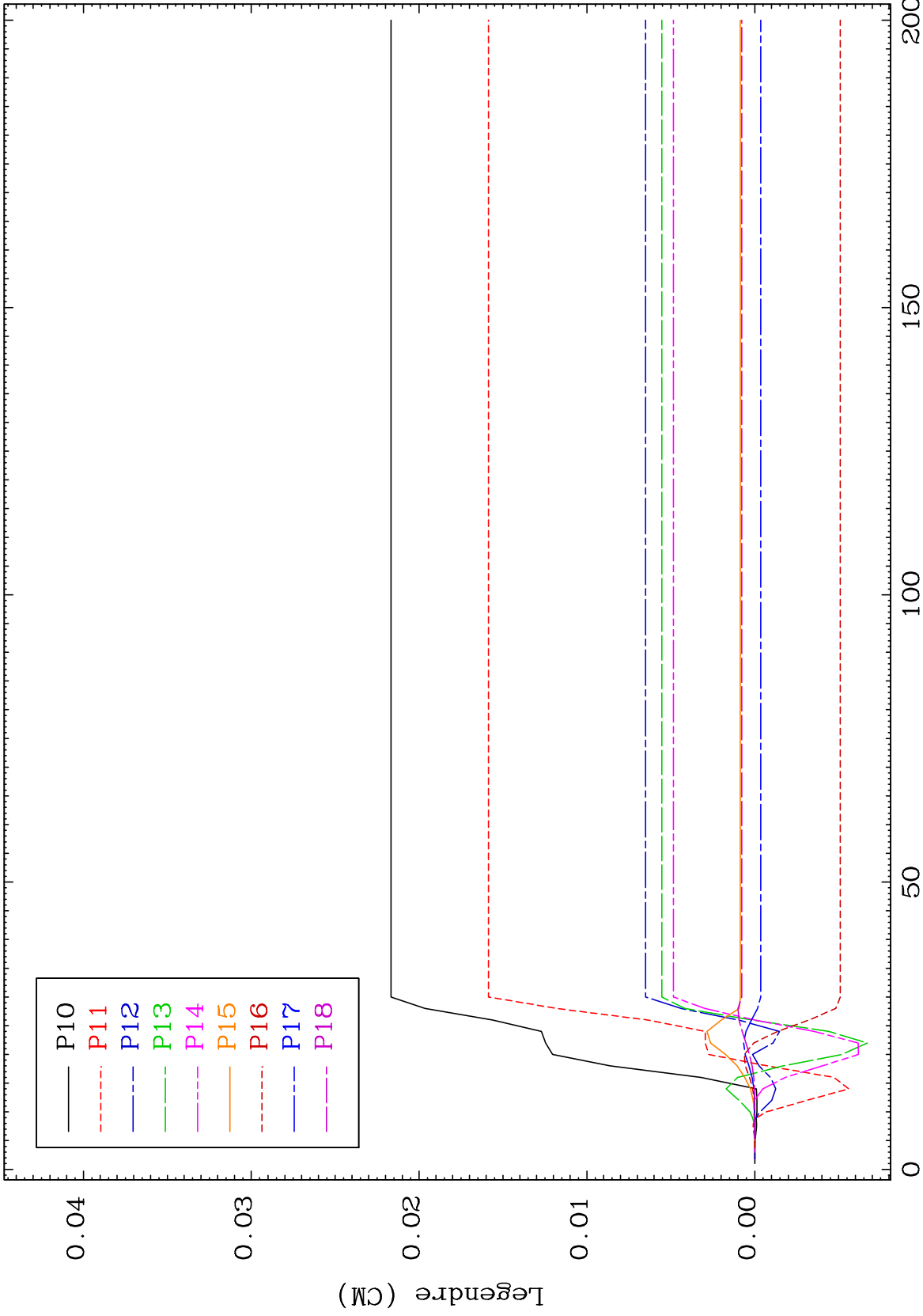
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



61

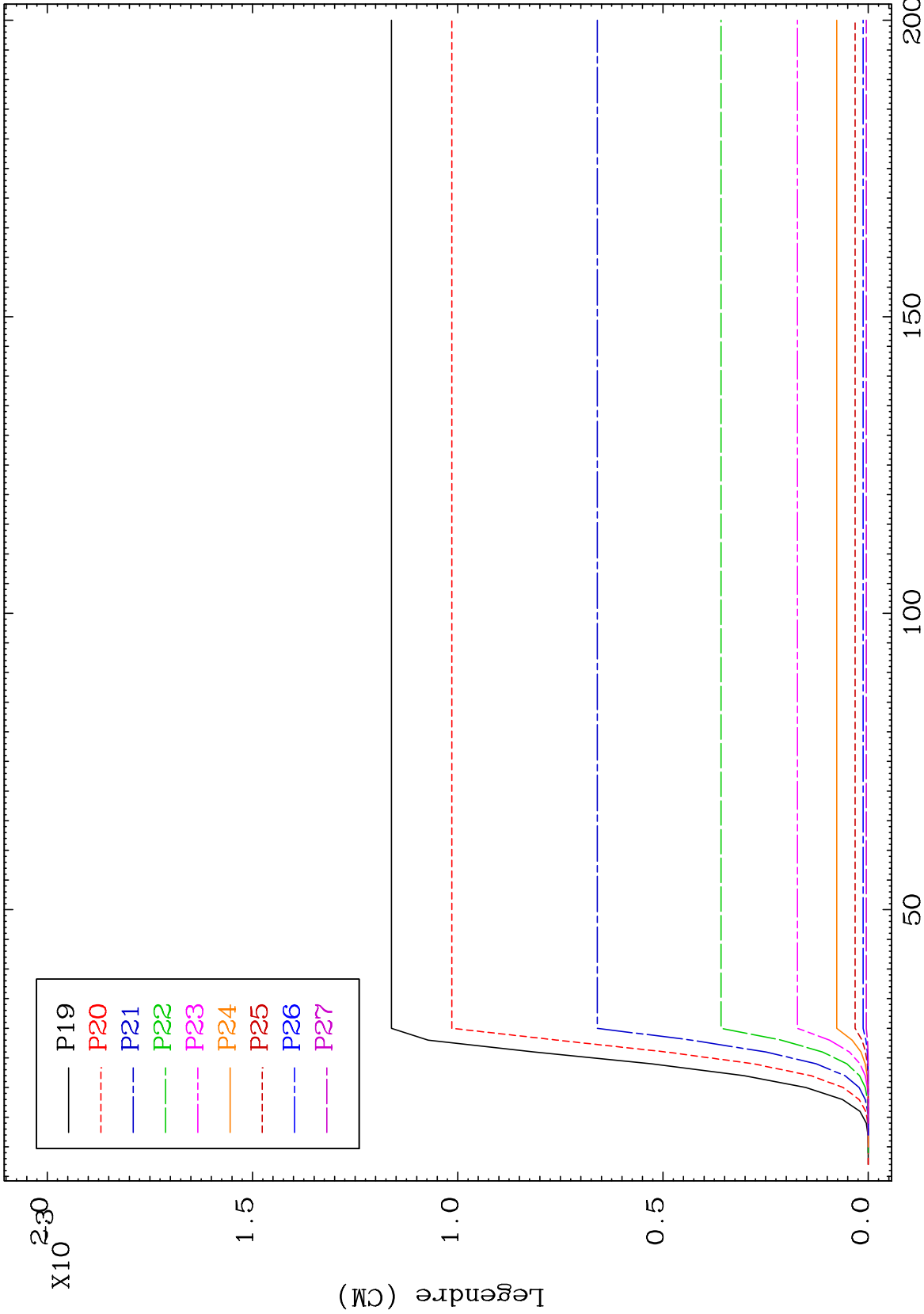
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



62

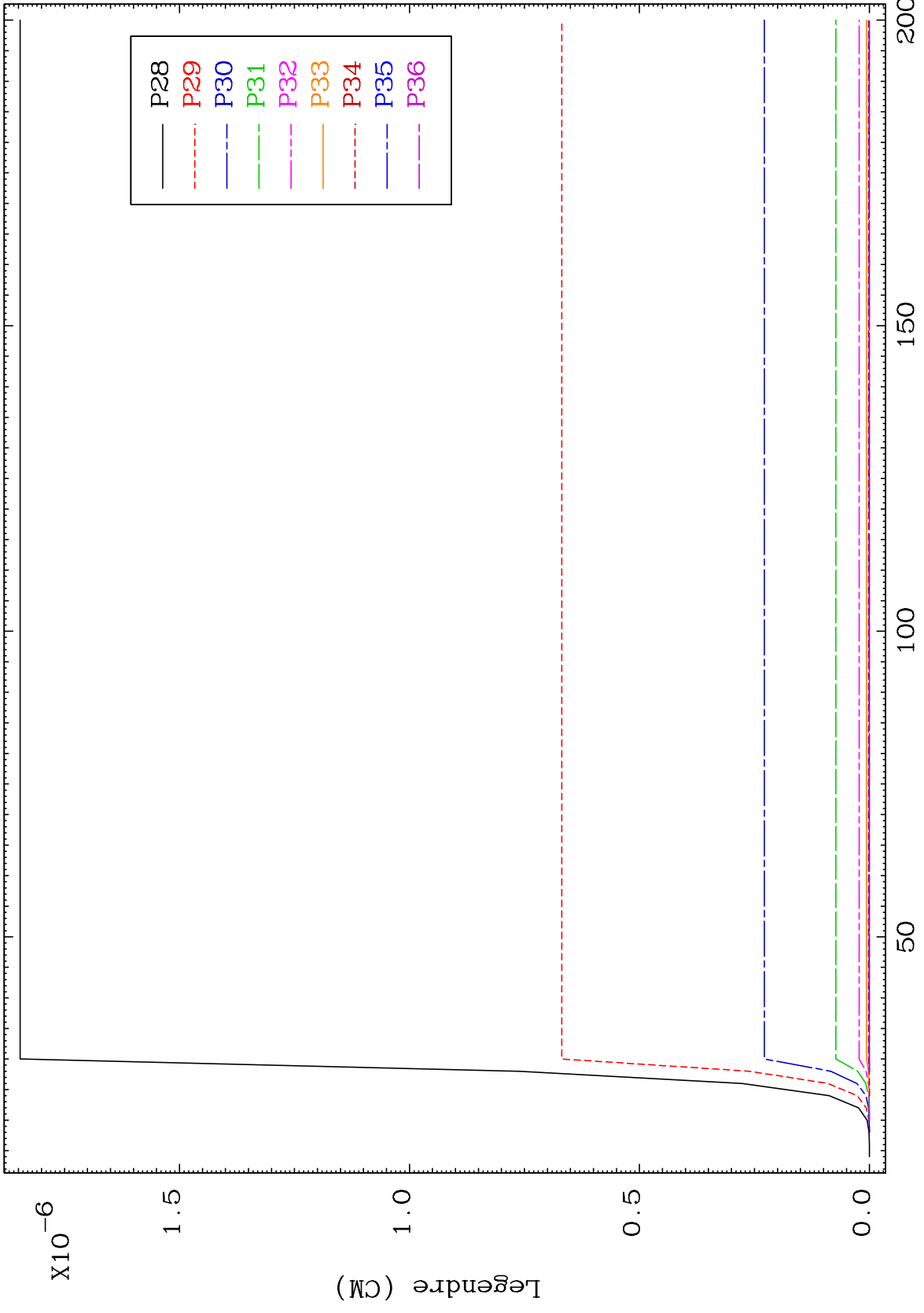
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



63

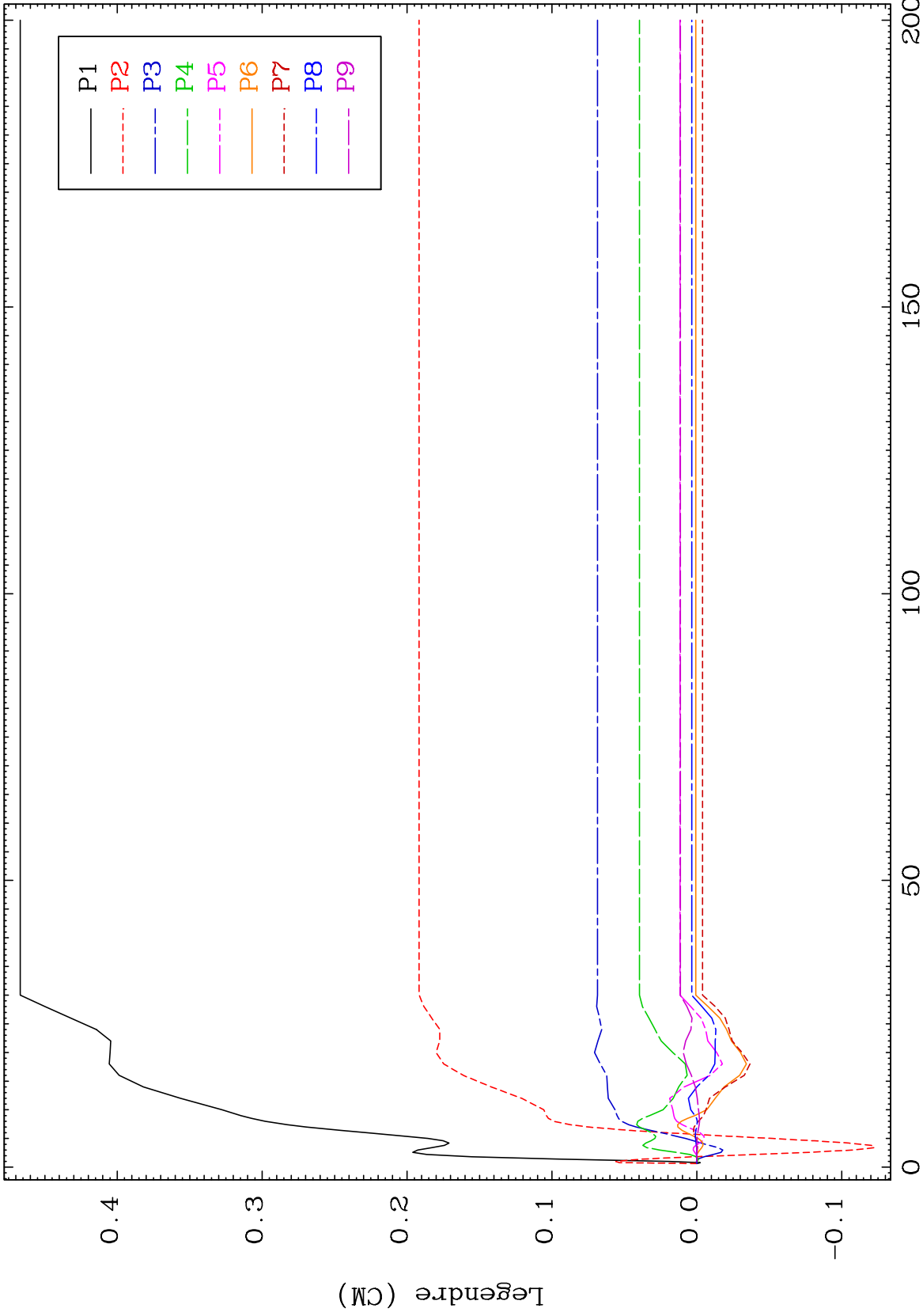
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



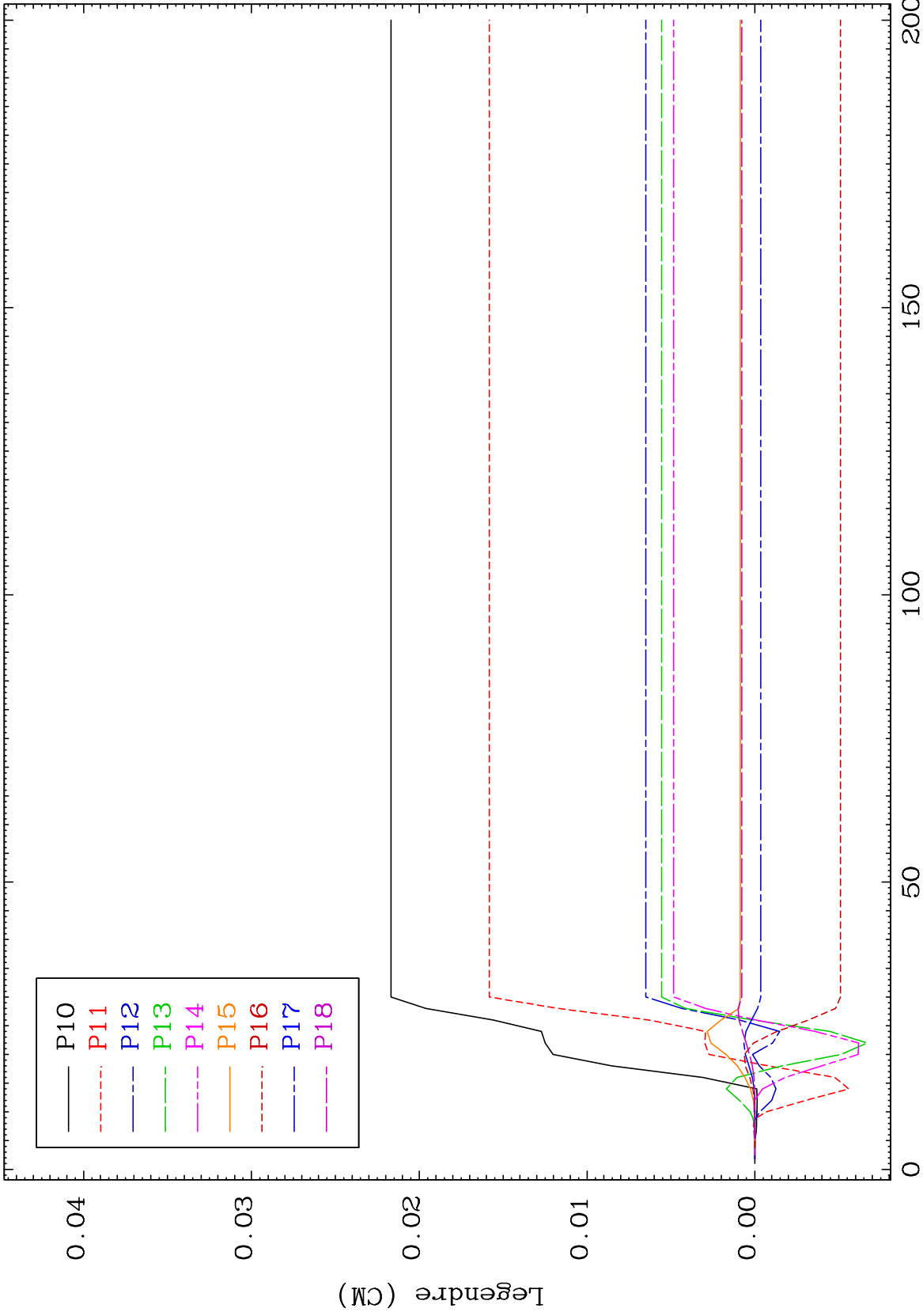
64

56-Ba-121

MAT 5598

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

56-Ba-121



65

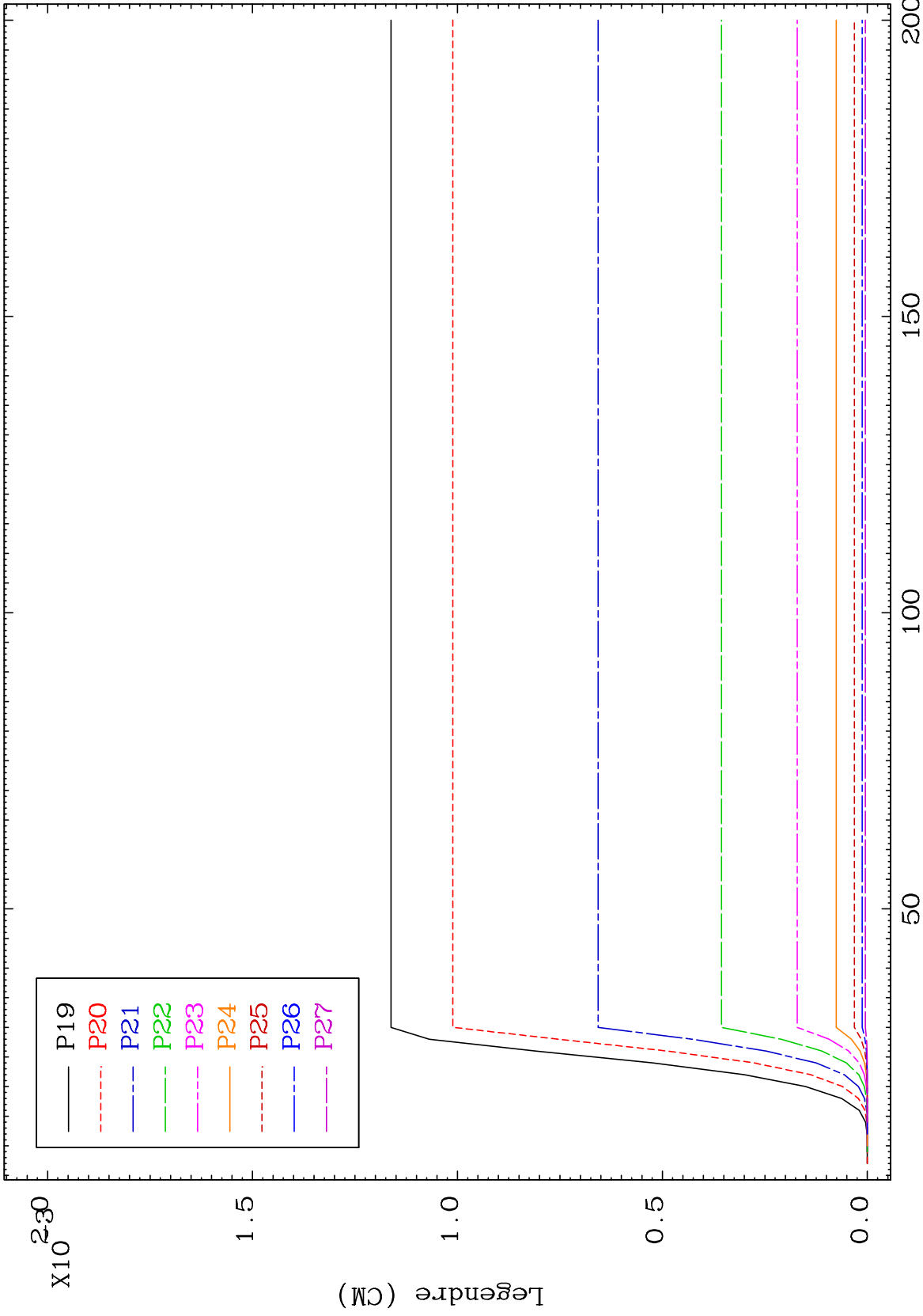
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



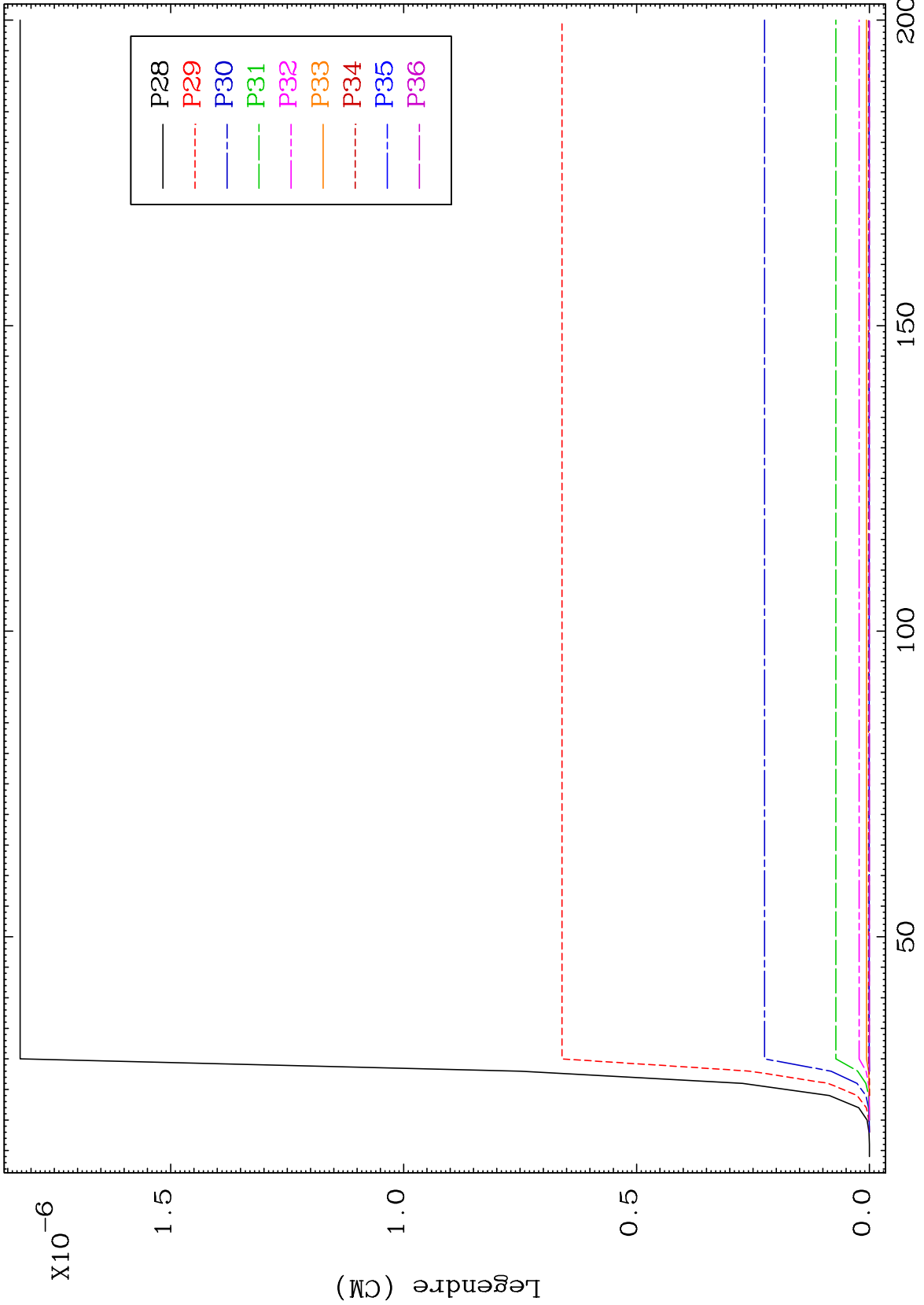
66

56-Ba-121

MAT 5598

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

56-Ba-121



67

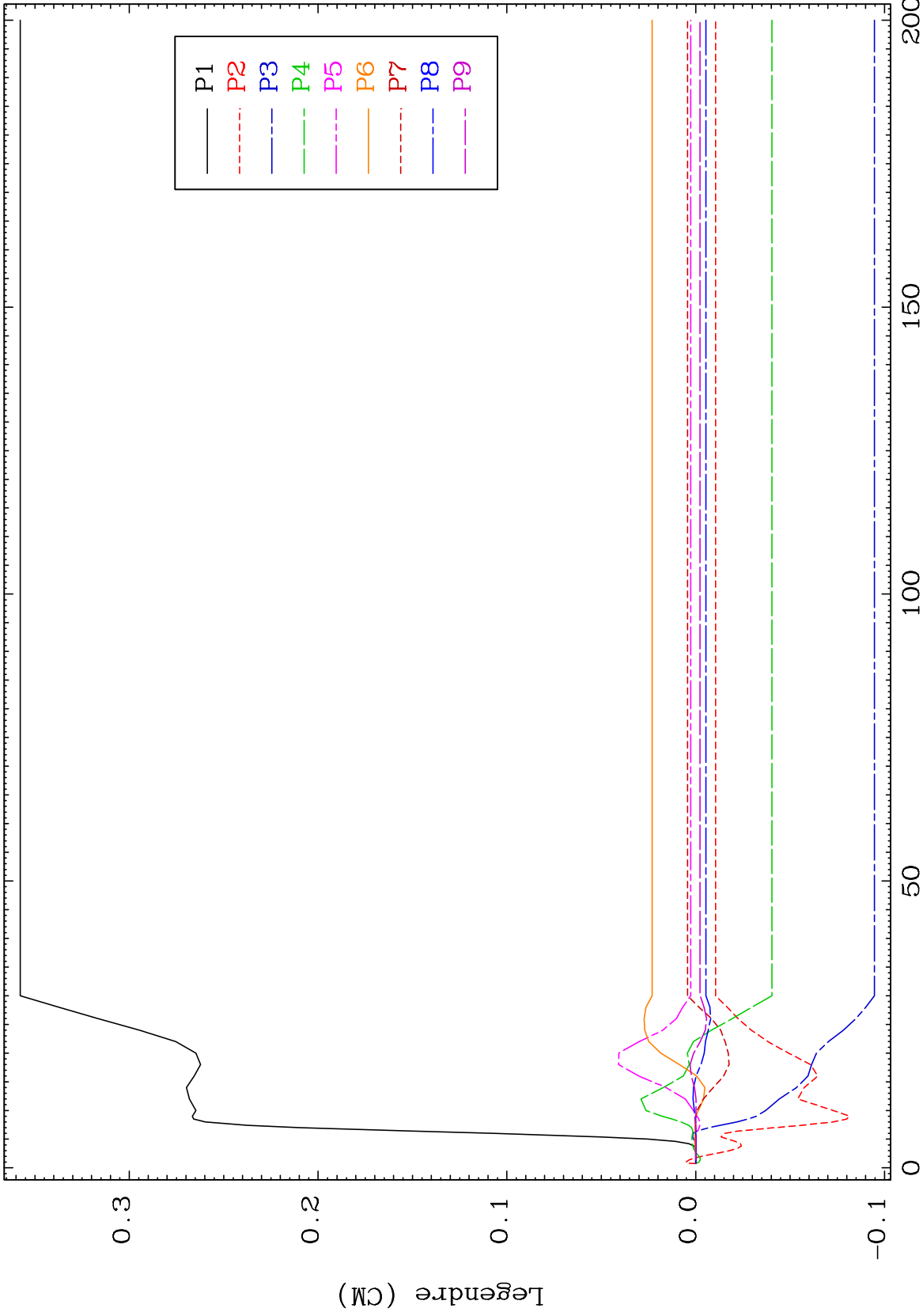
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



68

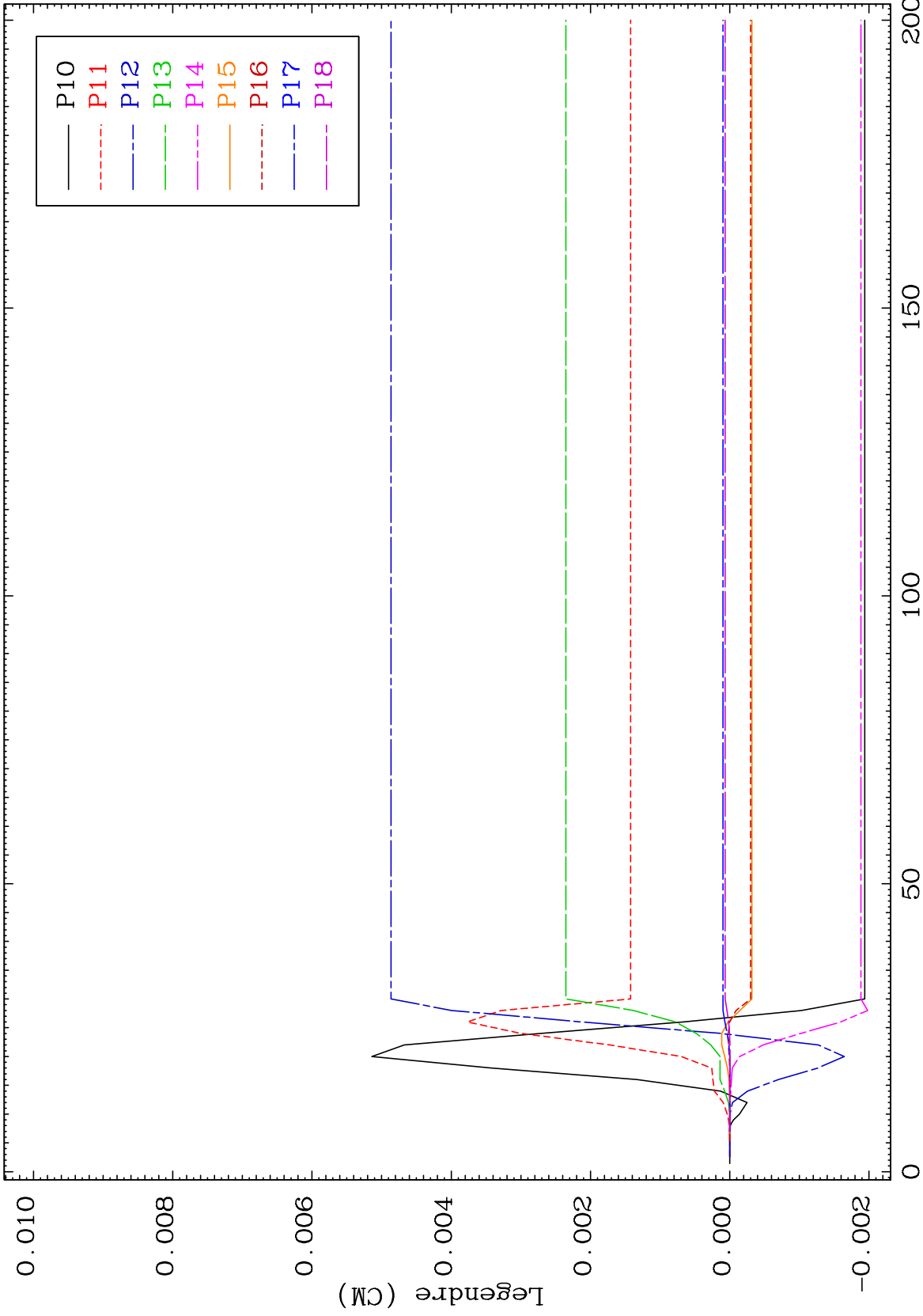
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



69

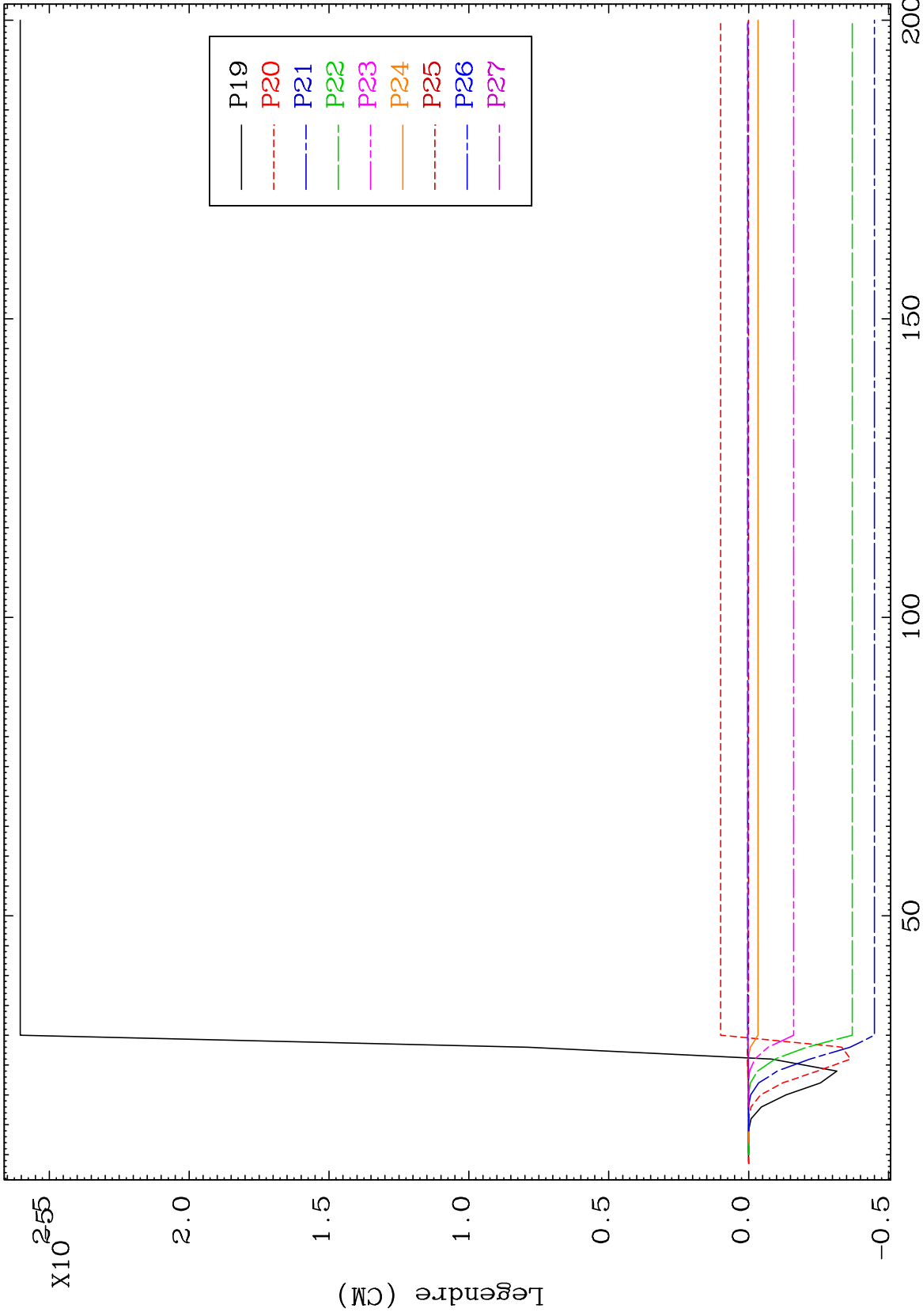
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121

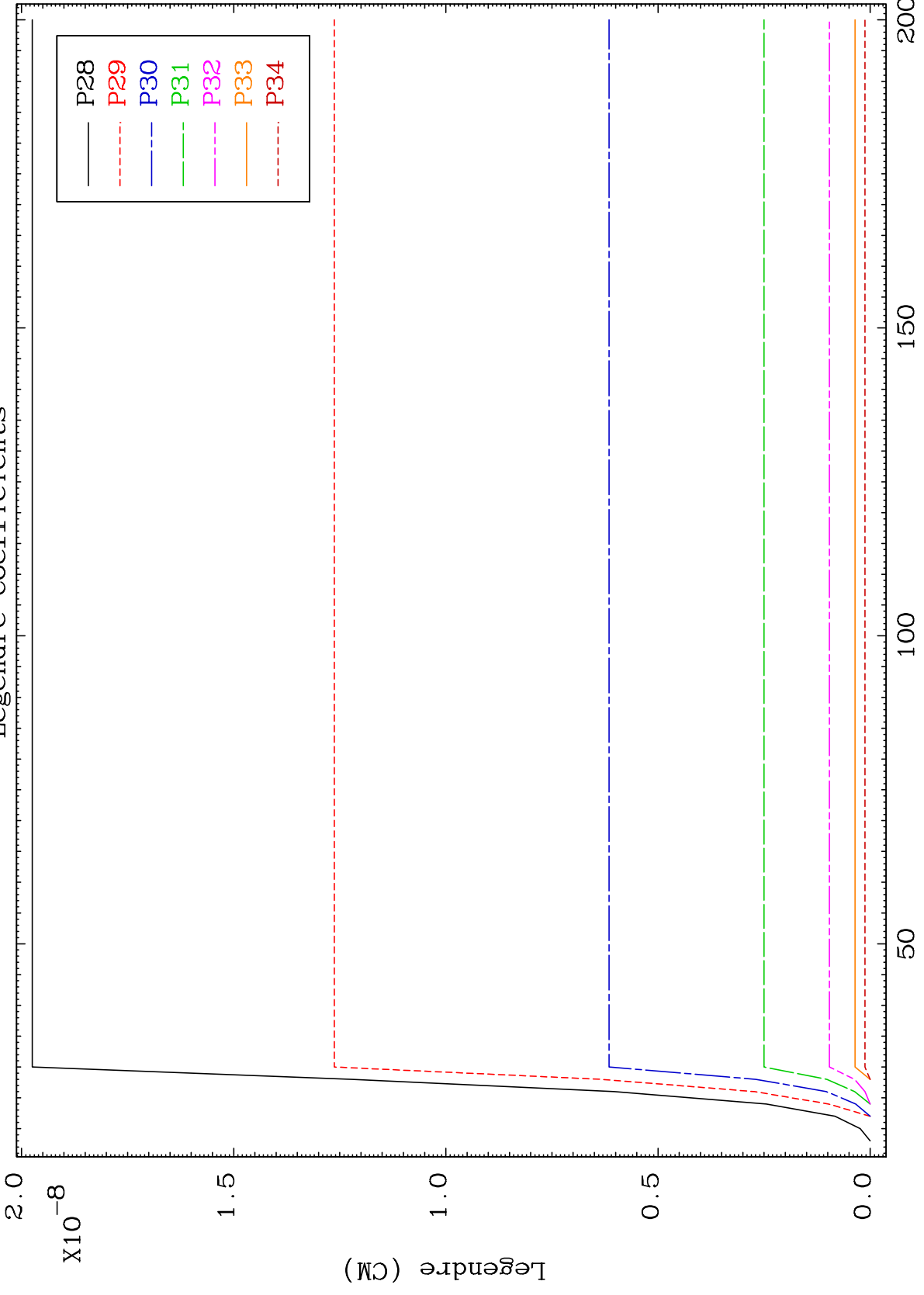


70

Incident Energy (MeV)

56-Ba-121

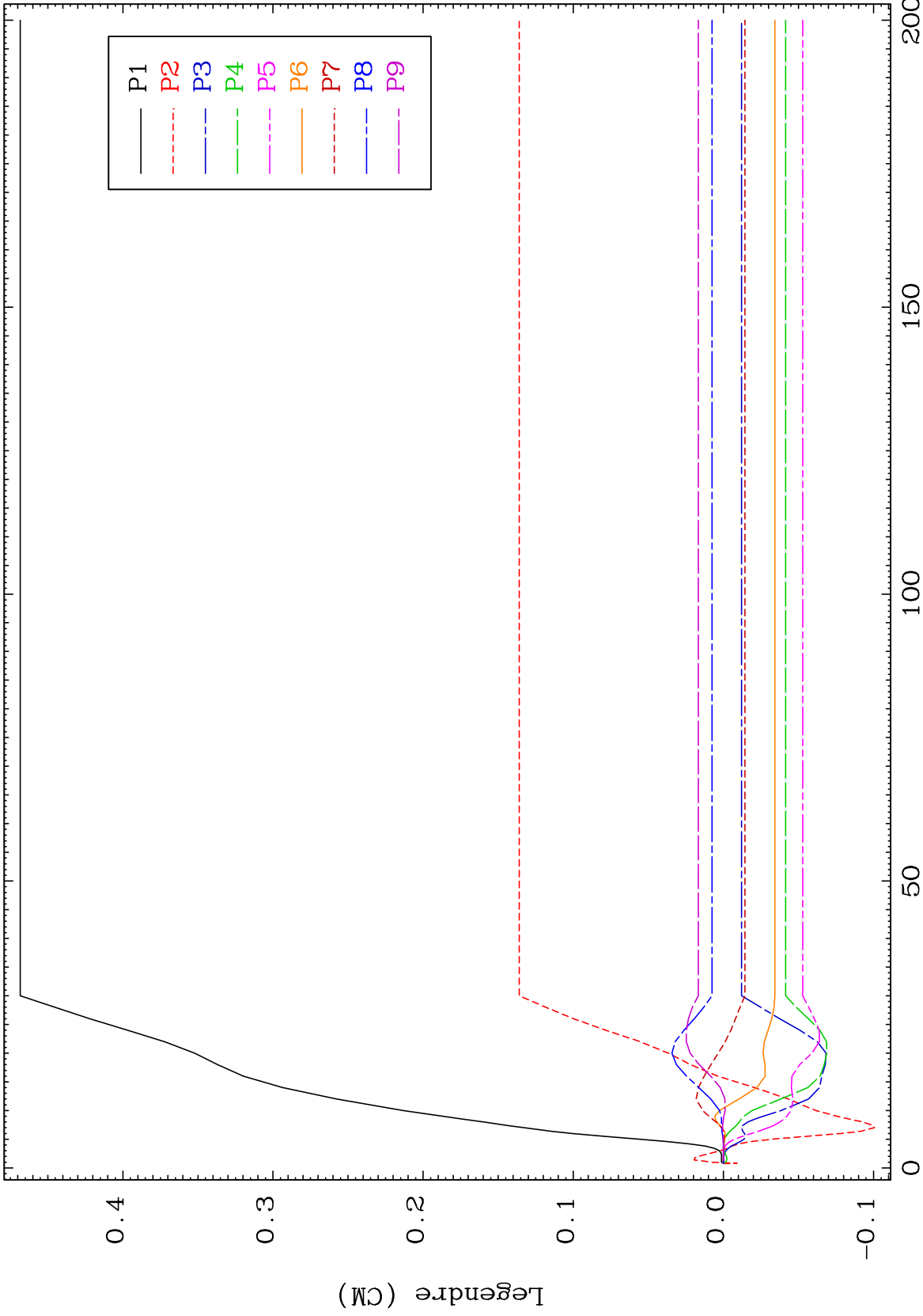
MAT 5598 MT= 63 (n,n') Level Legendre Coefficients 56-Ba-121



MAT 5598

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

56-Ba-121



72

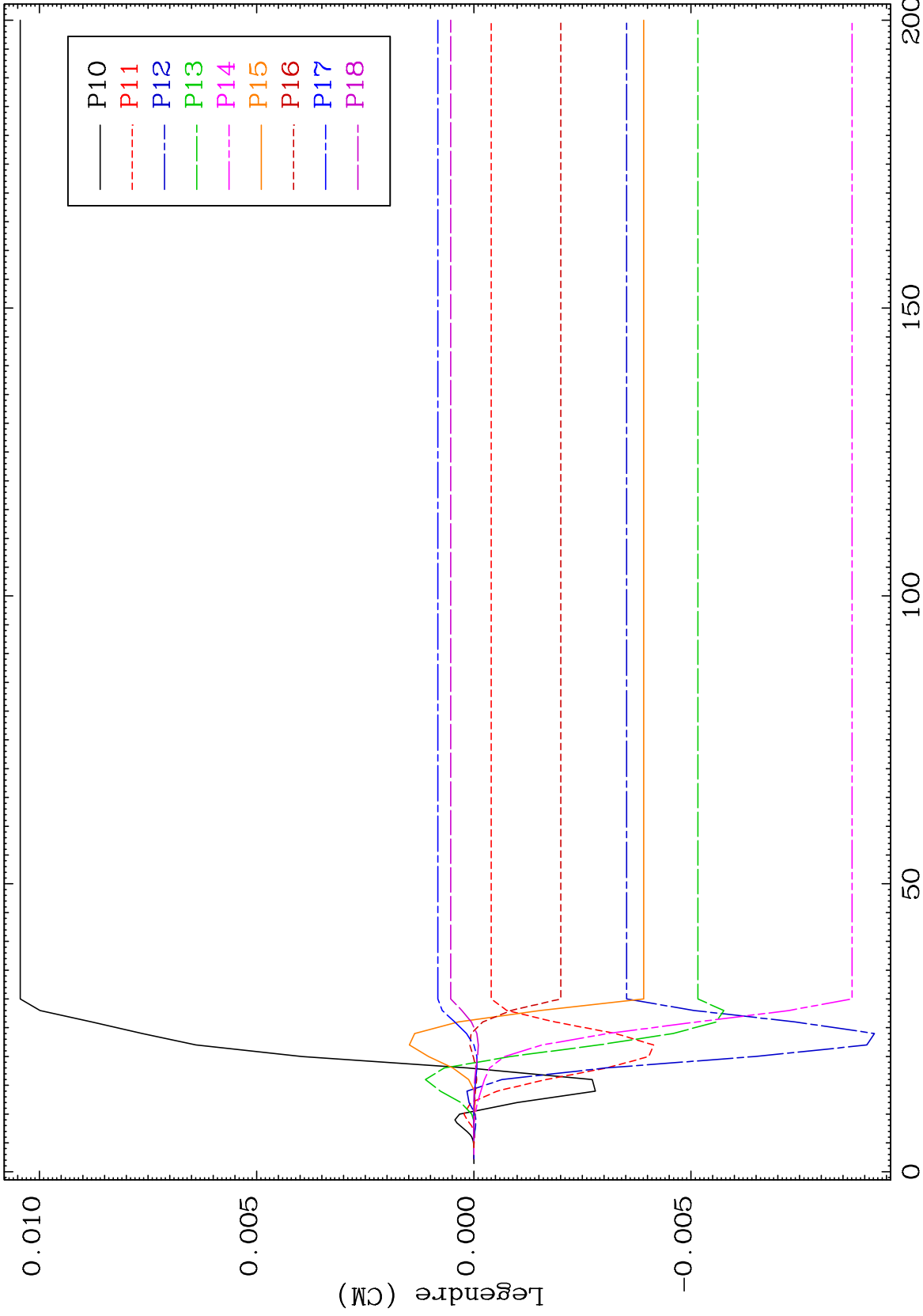
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



73

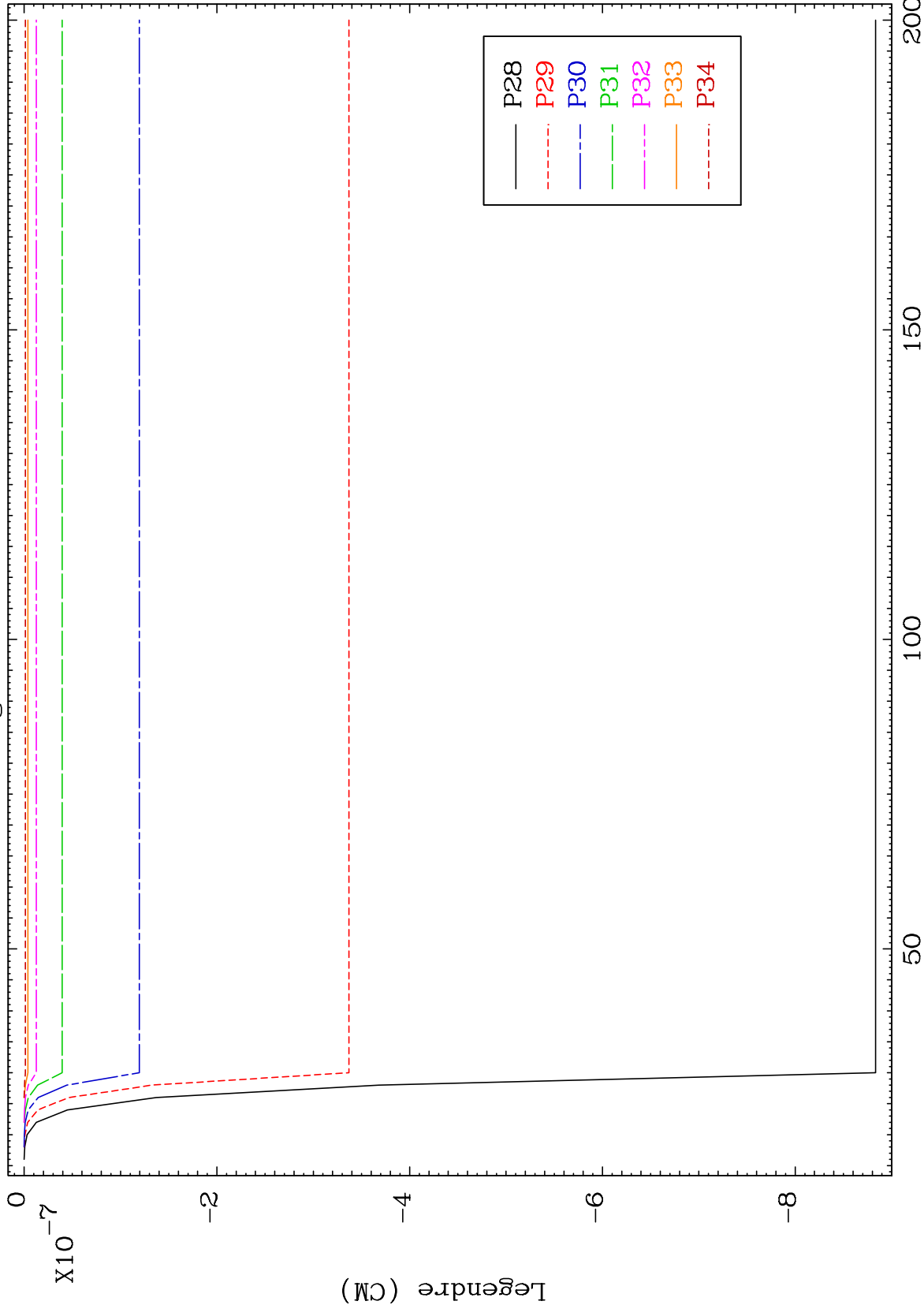
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



56-Ba-121

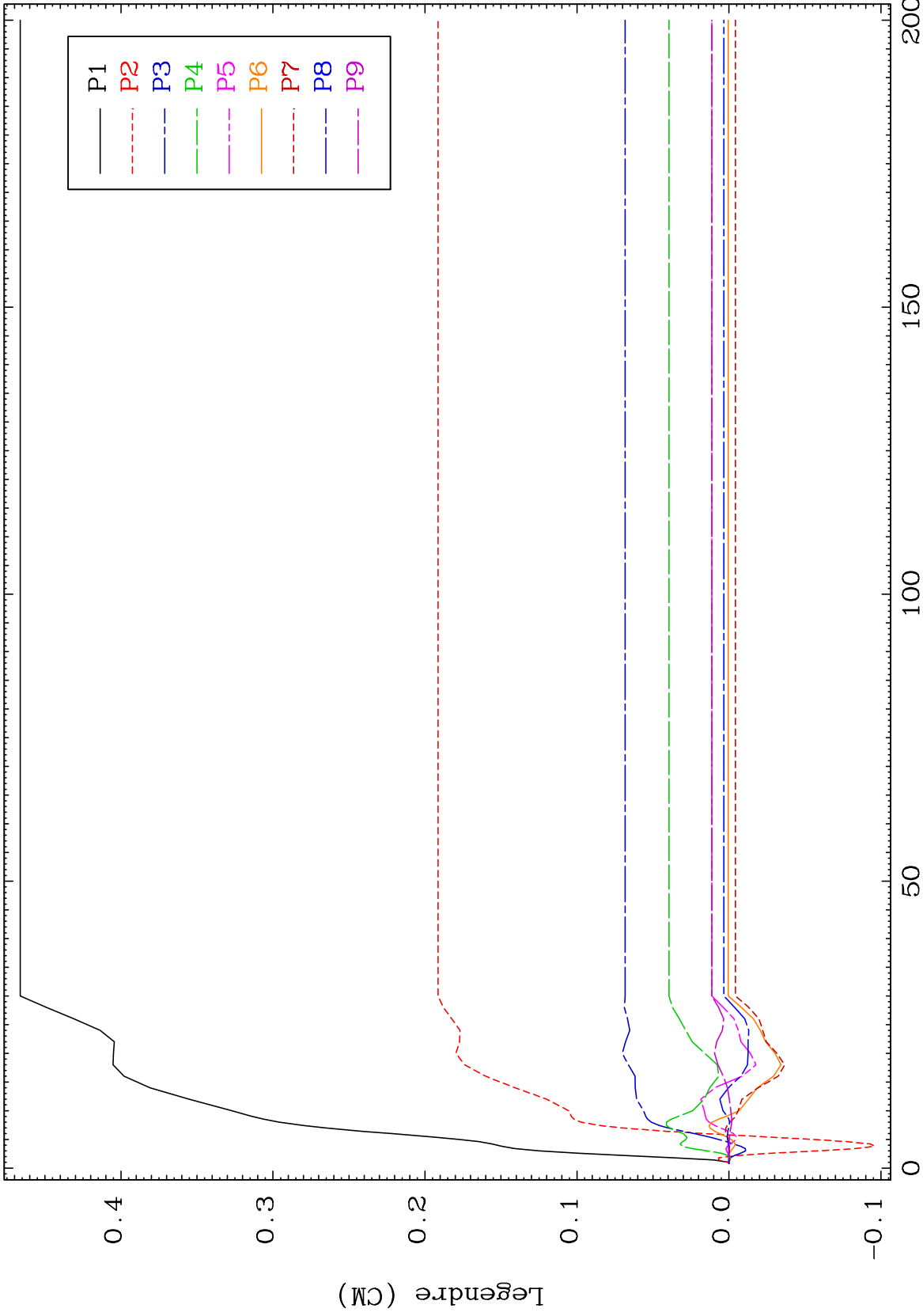
Incident Energy (MeV)

75

MAT 5598

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

56-Ba-121



76

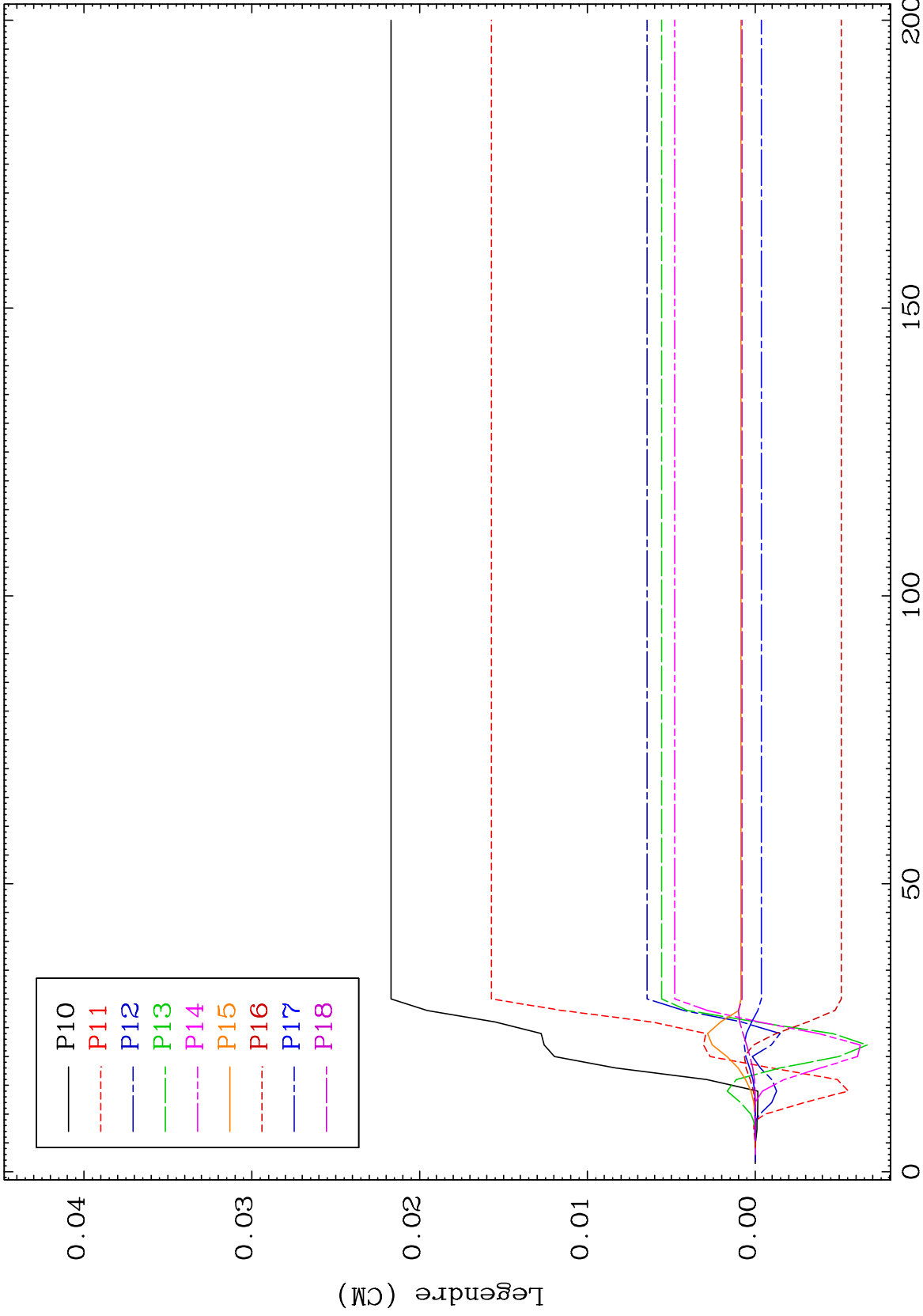
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



77

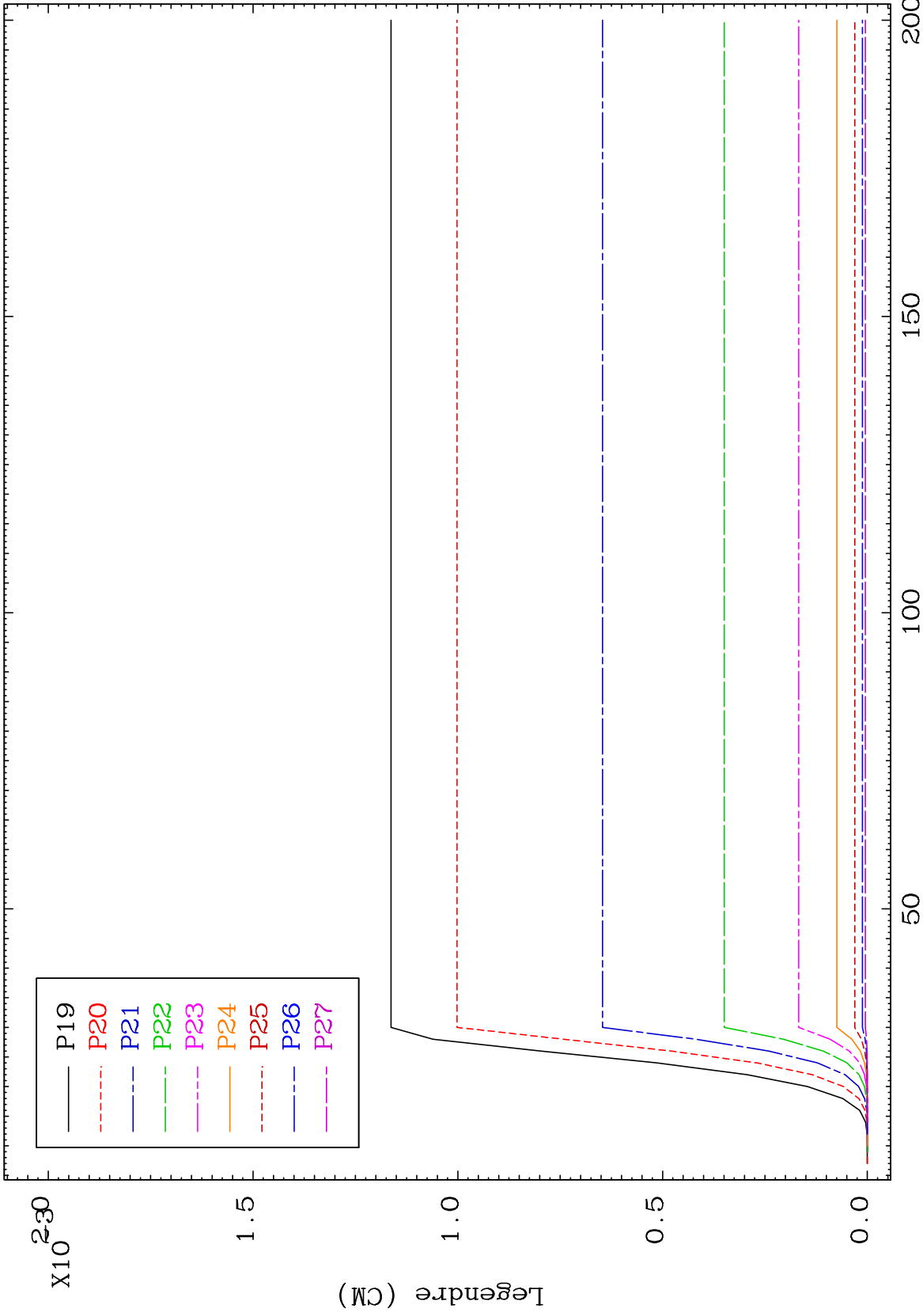
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



78

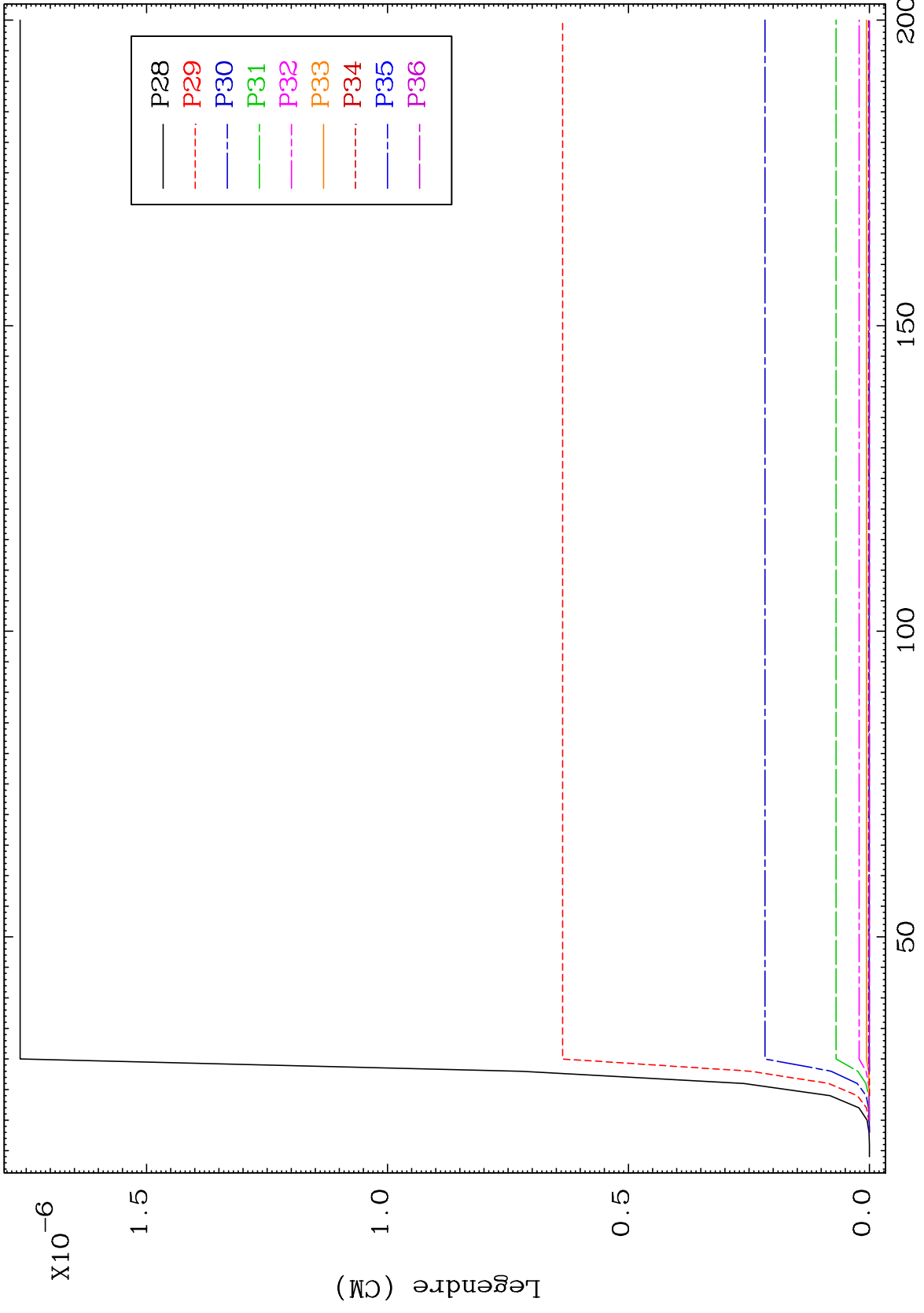
Incident Energy (MeV)

56-Ba-121

MAT 5598

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

56-Ba-121



79

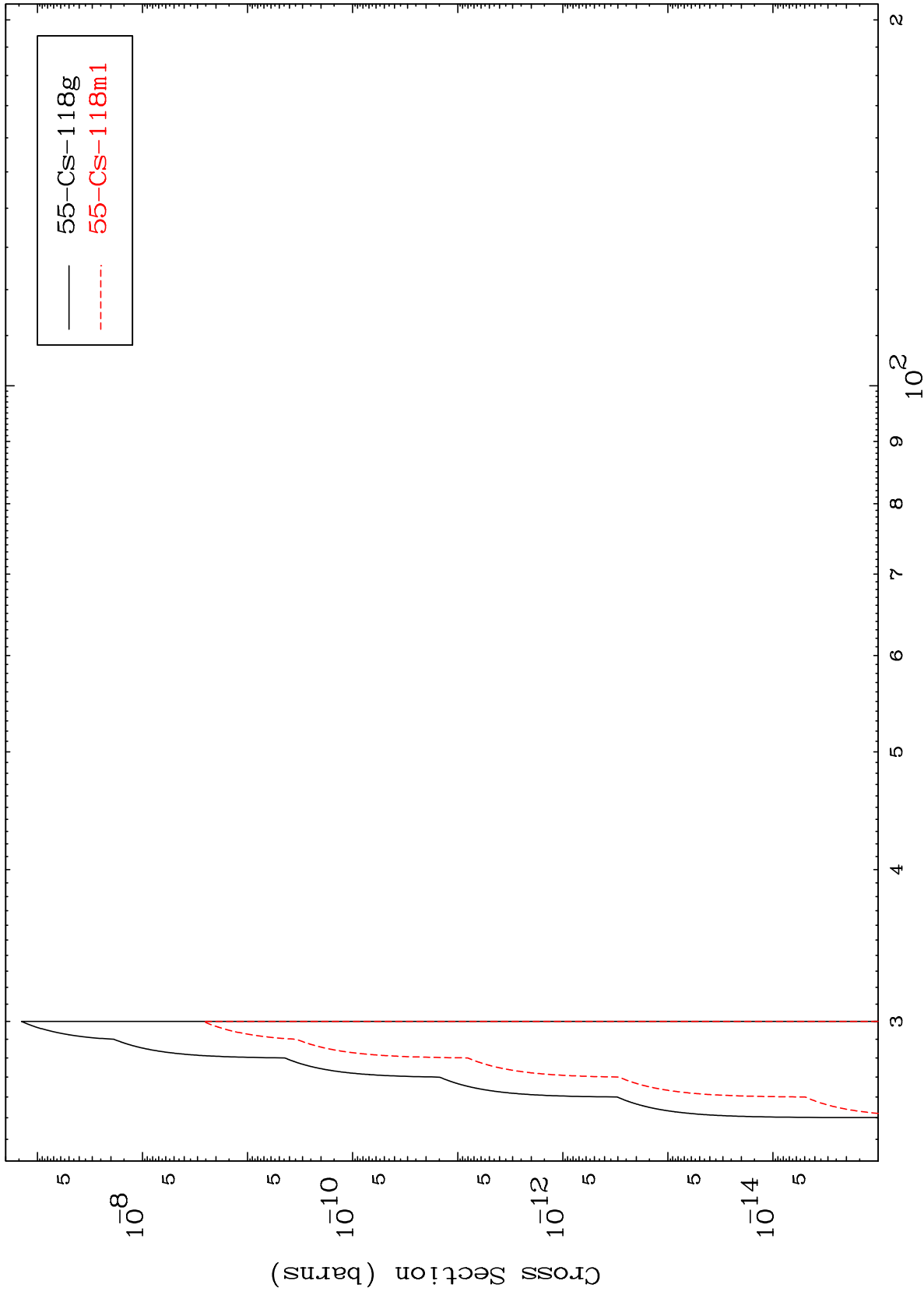
56-Ba-121

MAT 5598

(n,2n) d

56-Ba-121

Radionuclide Production Cross Section



80

Incident Energy (MeV)

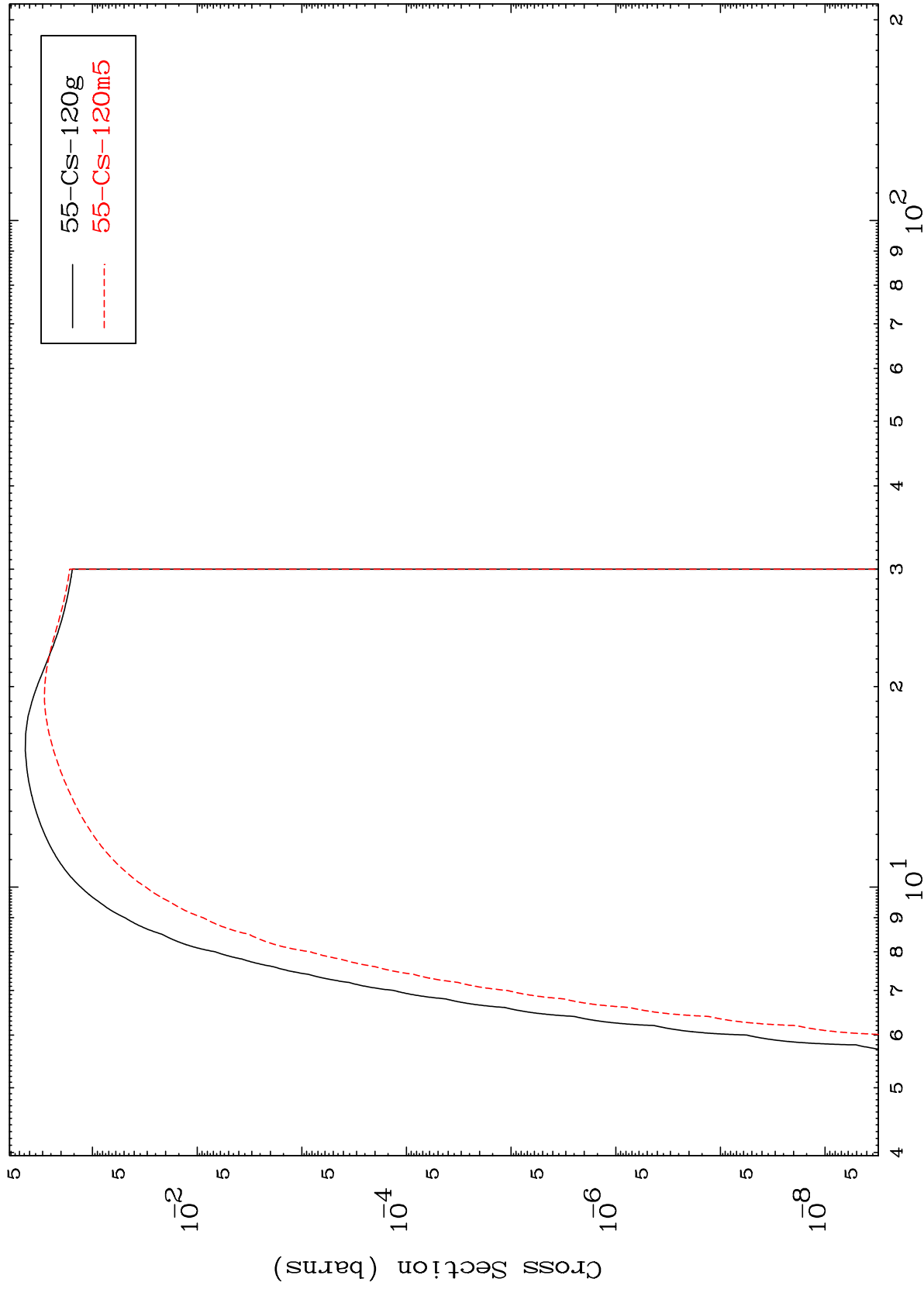
56-Ba-121

MAT 5598

(n,n') p

56-Ba-121

Radionuclide Production Cross Section

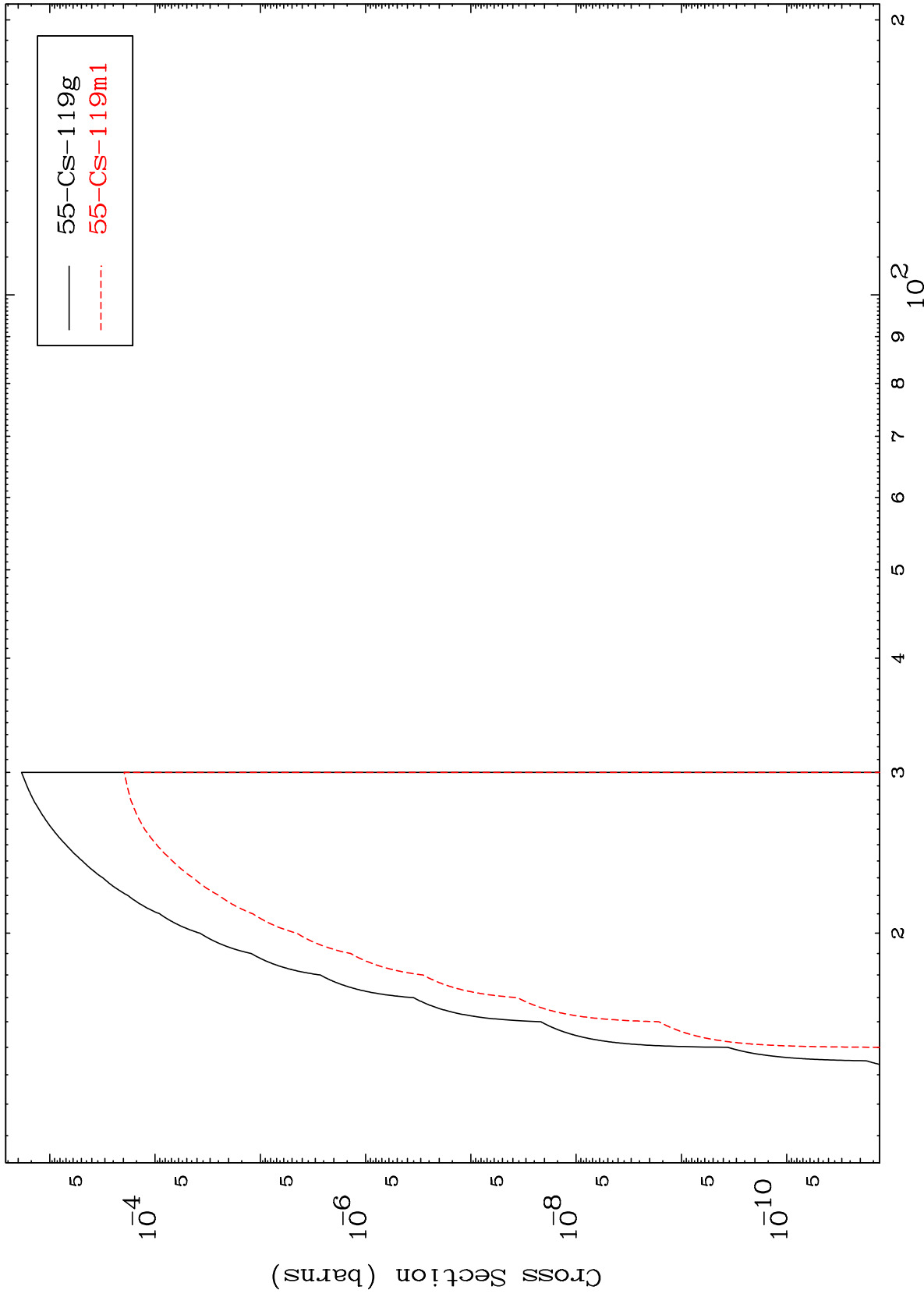


81

Incident Energy (MeV)

56-Ba-121

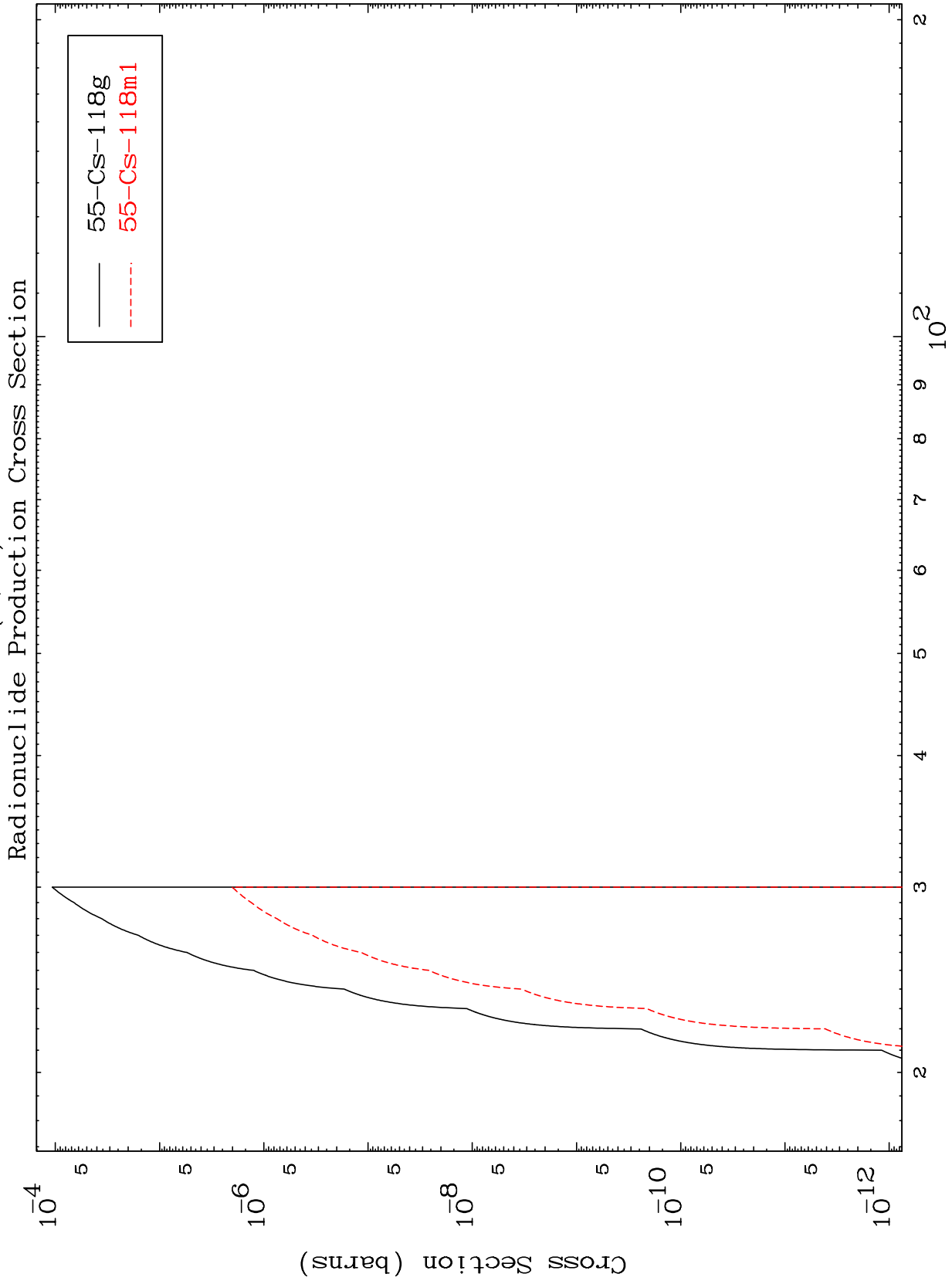
Radionuclide Production Cross Section



MAT 5598

(n,n') t

56-Ba-121



83

Incident Energy (MeV)

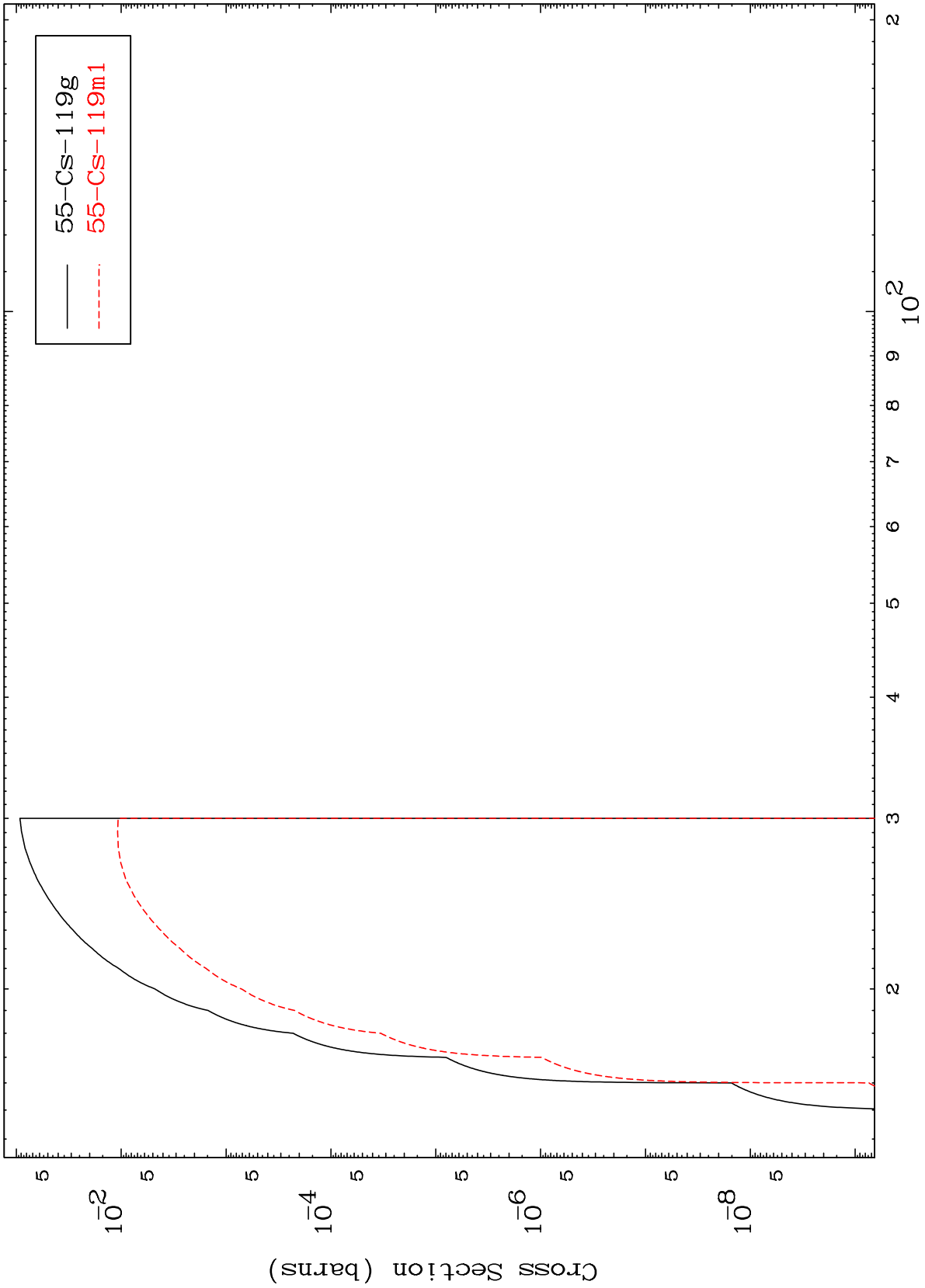
56-Ba-121

MAT 5598

(n,2n) p

56-Ba-121

Radionuclide Production Cross Section



84

Incident Energy (MeV)

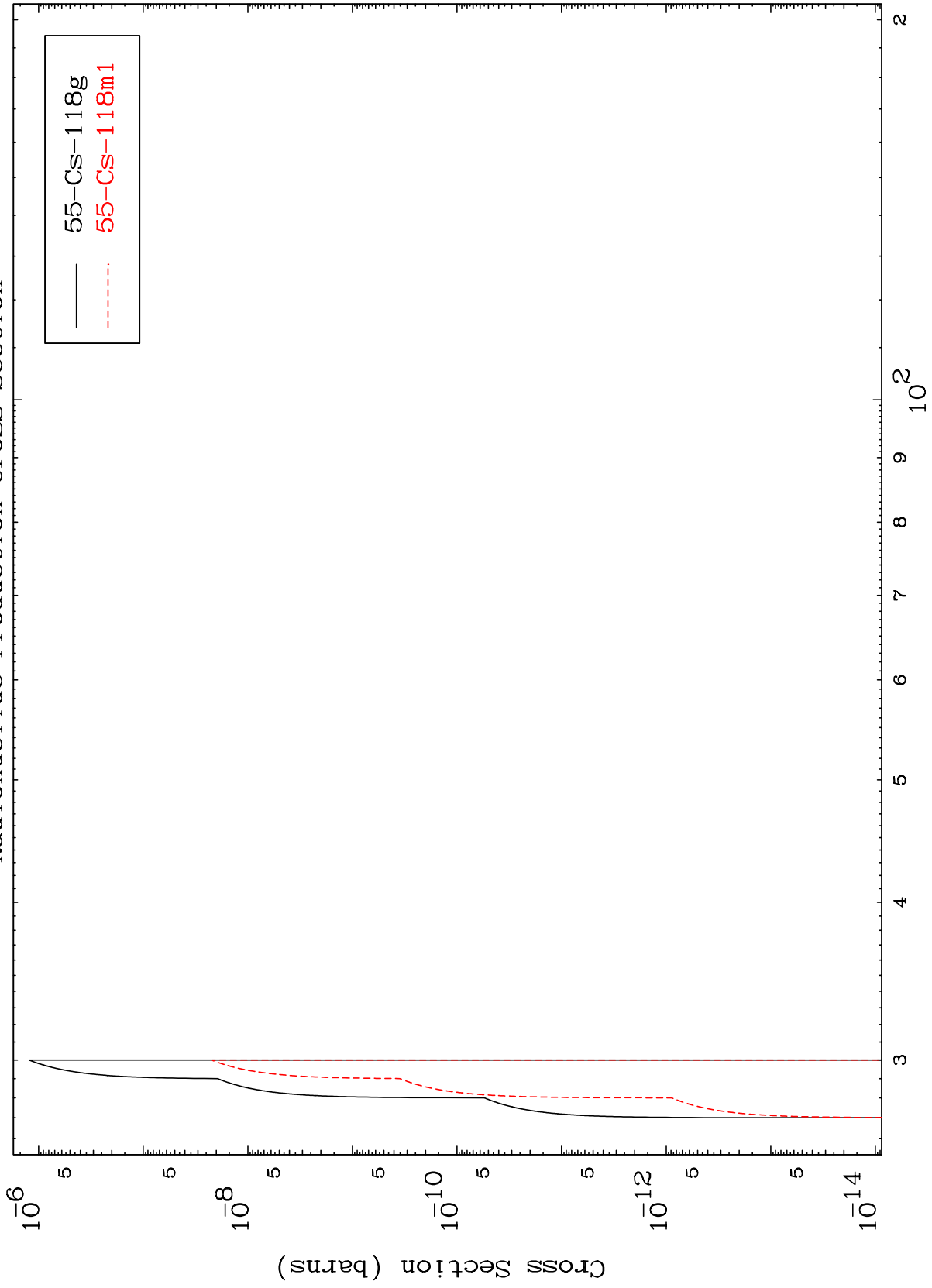
56-Ba-121

MAT 5598

(n,3n) p

56-Ba-121

Radionuclide Production Cross Section



85

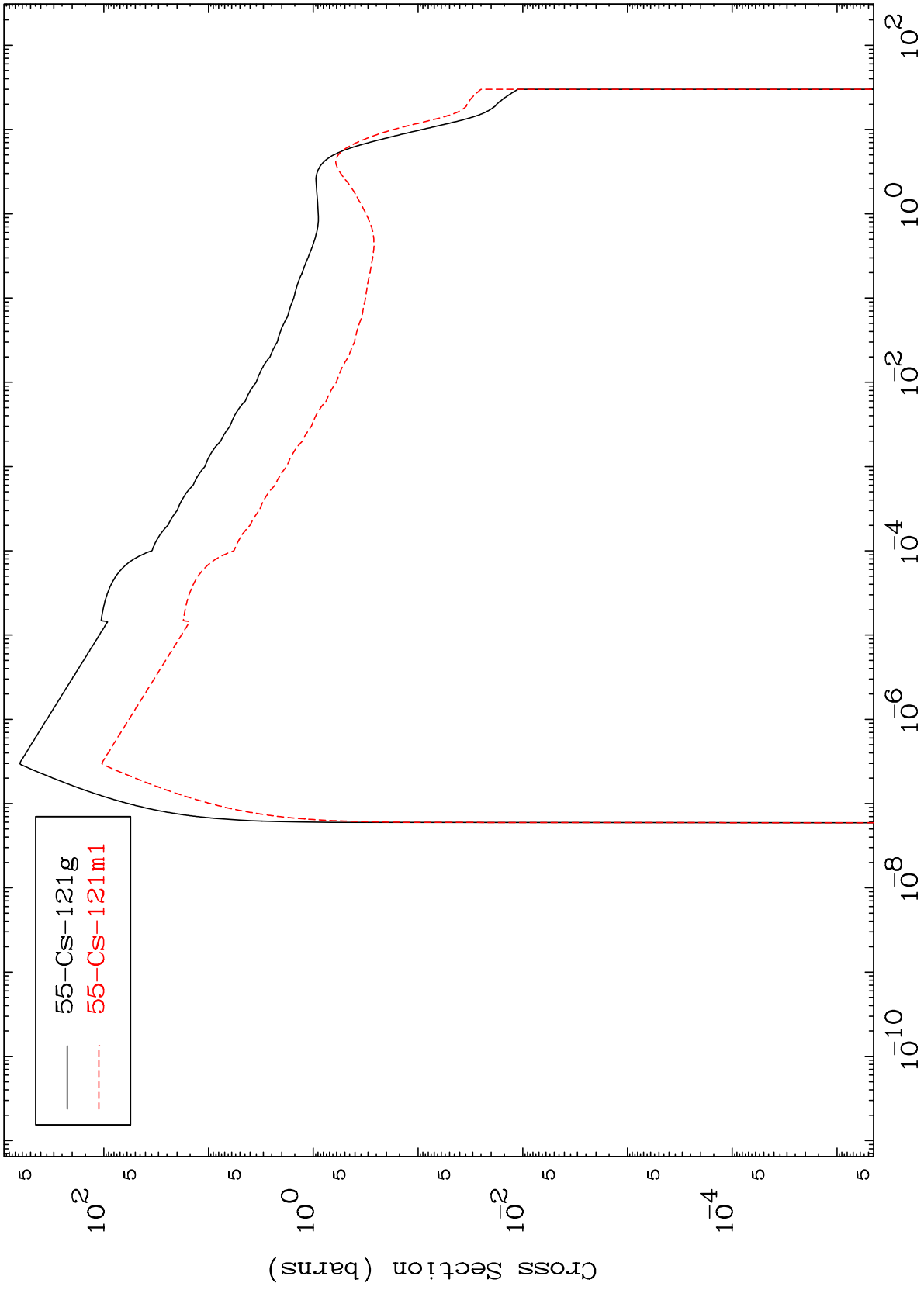
Incident Energy (MeV)

56-Ba-121

MAT 5598

56-Ba-121

Radionuclide Production Cross Section (n,p)

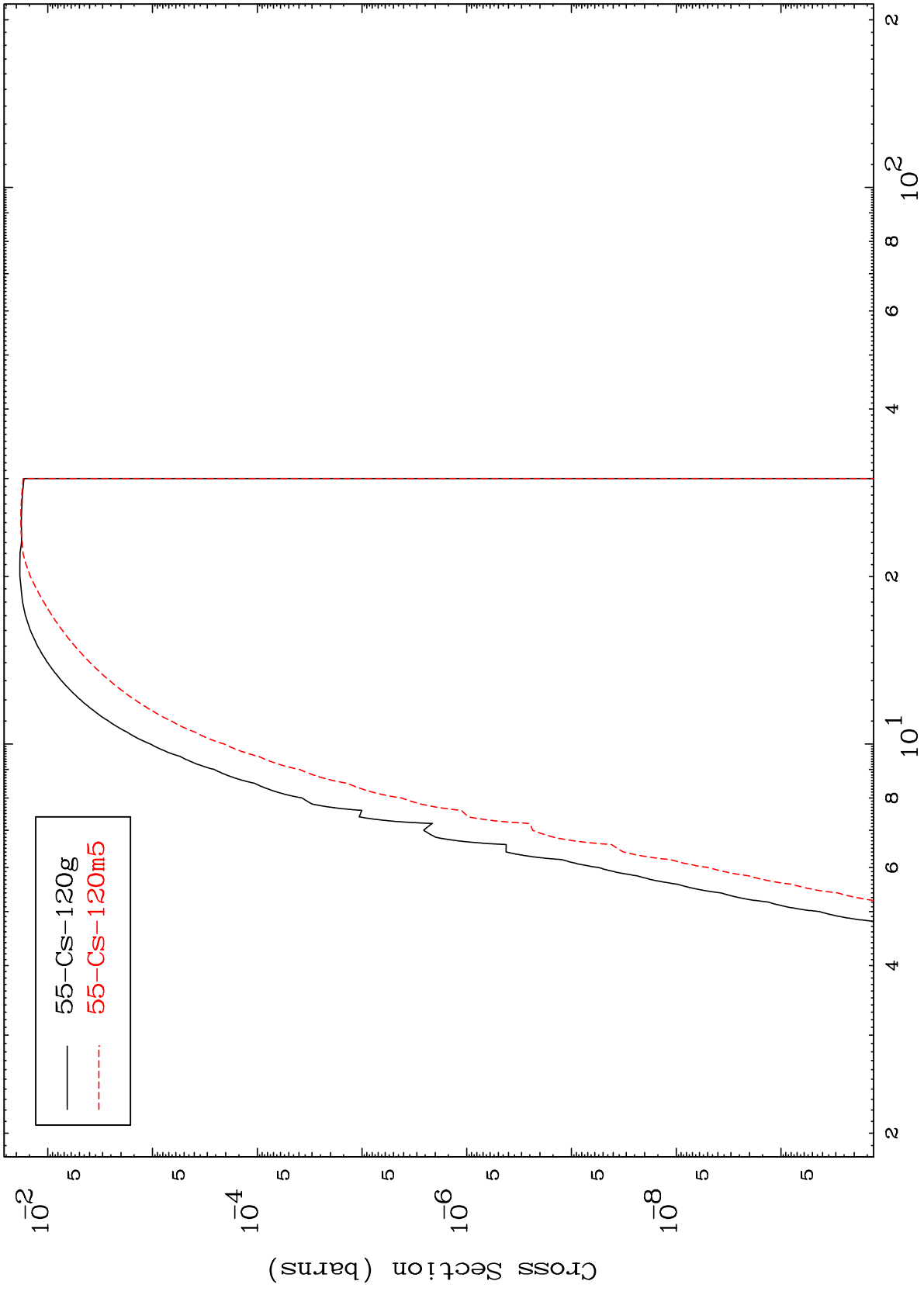


55-Cs-121g
55-Cs-121m1

MAT 5598

56-Ba-121

(n,d)
Radionuclide Production Cross Section



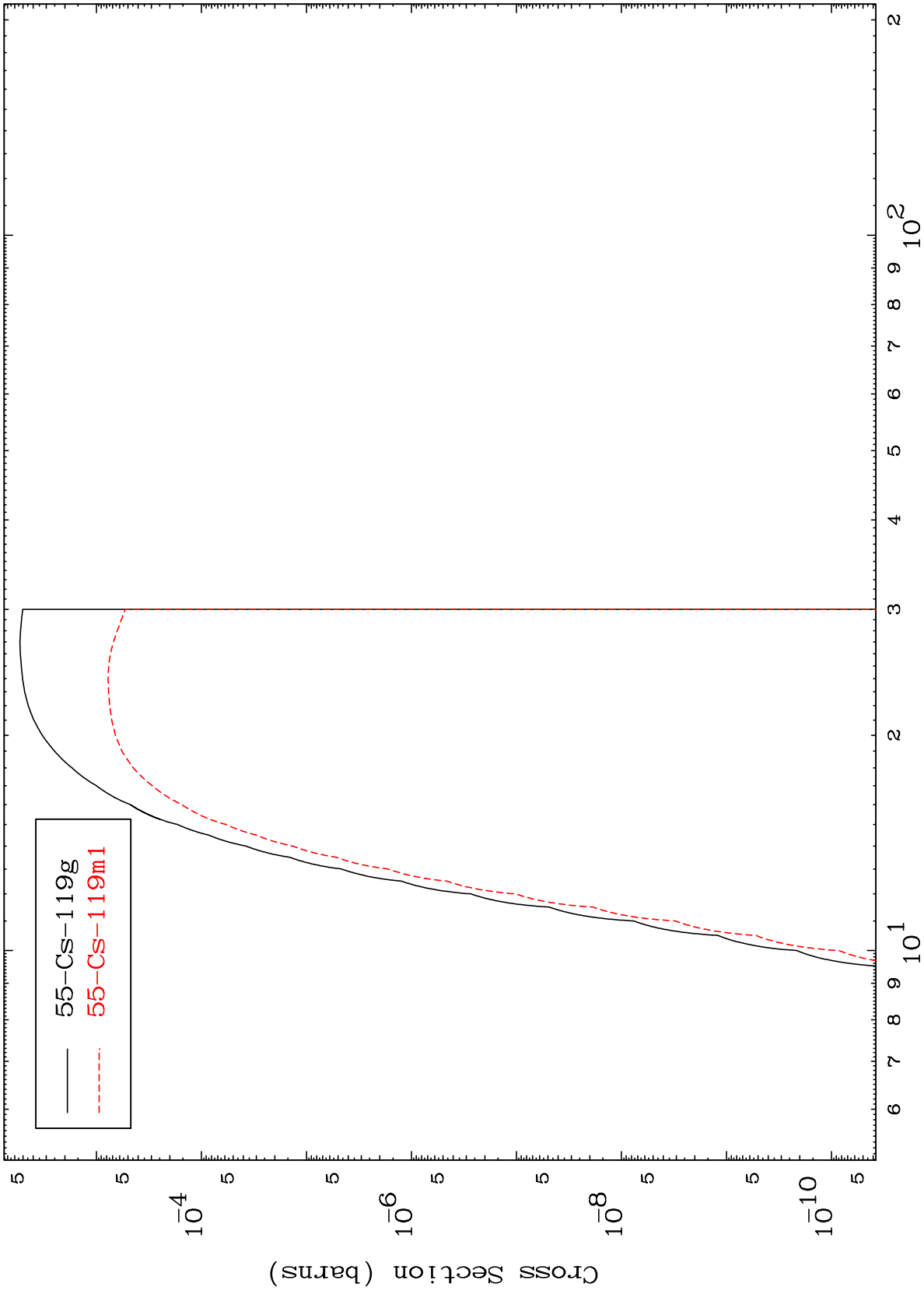
87

56-Ba-121

MAT 5598

56-Ba-121

(n, t)
Radionuclide Production Cross Section



88

56-Ba-121

Incident Energy (MeV)