

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

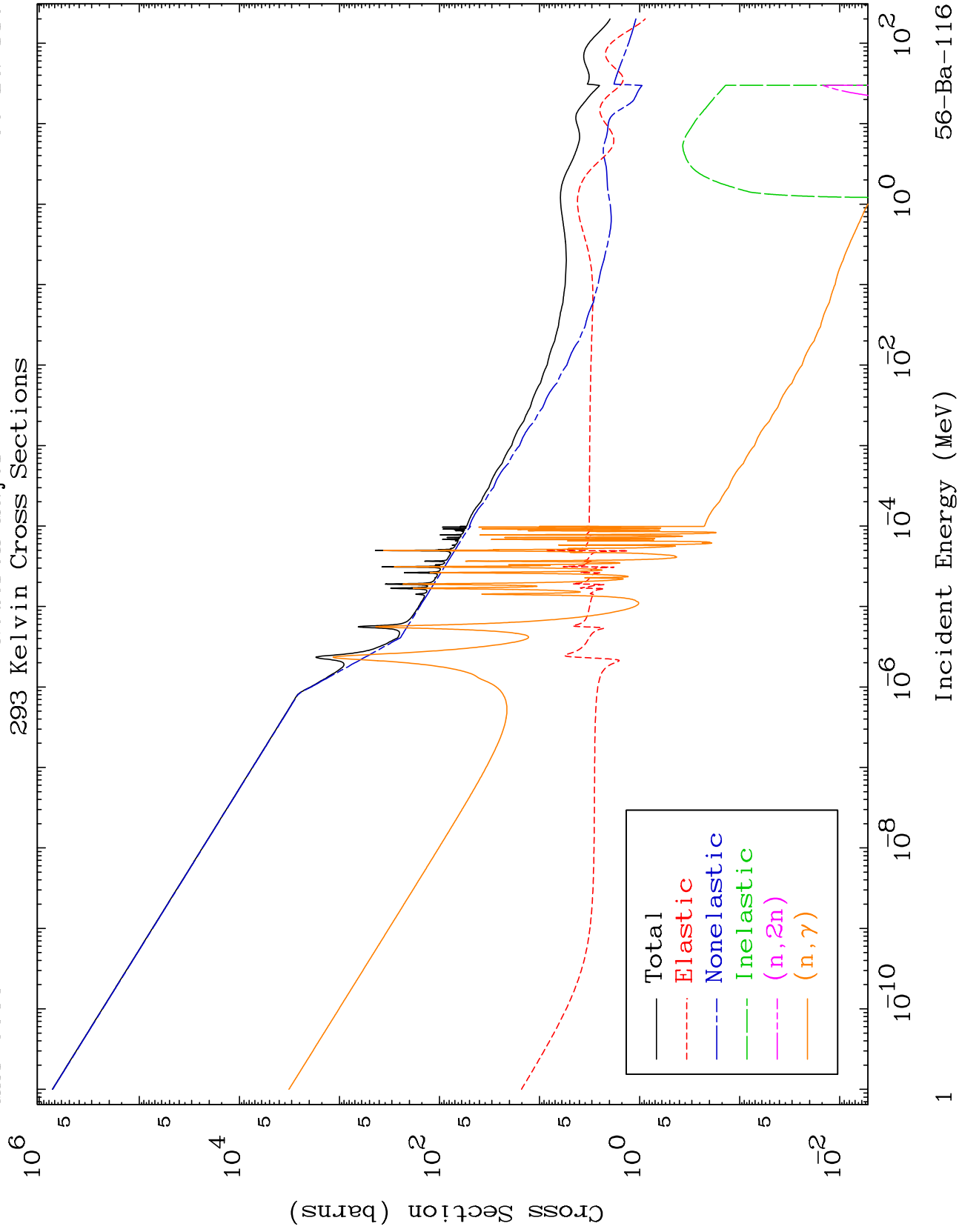
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5583

Neutron Major
293 Kelvin Cross Sections

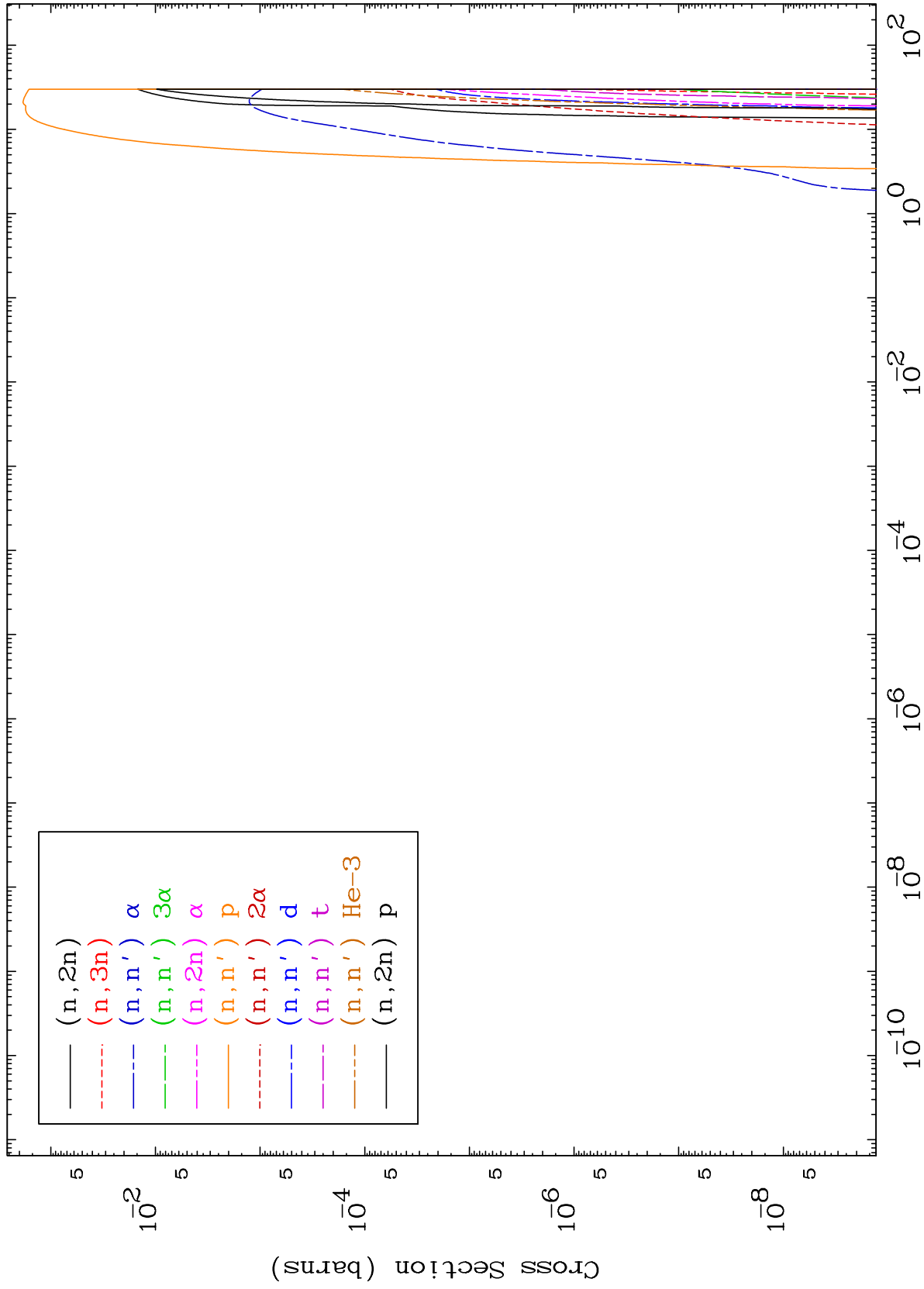
56-Ba-116

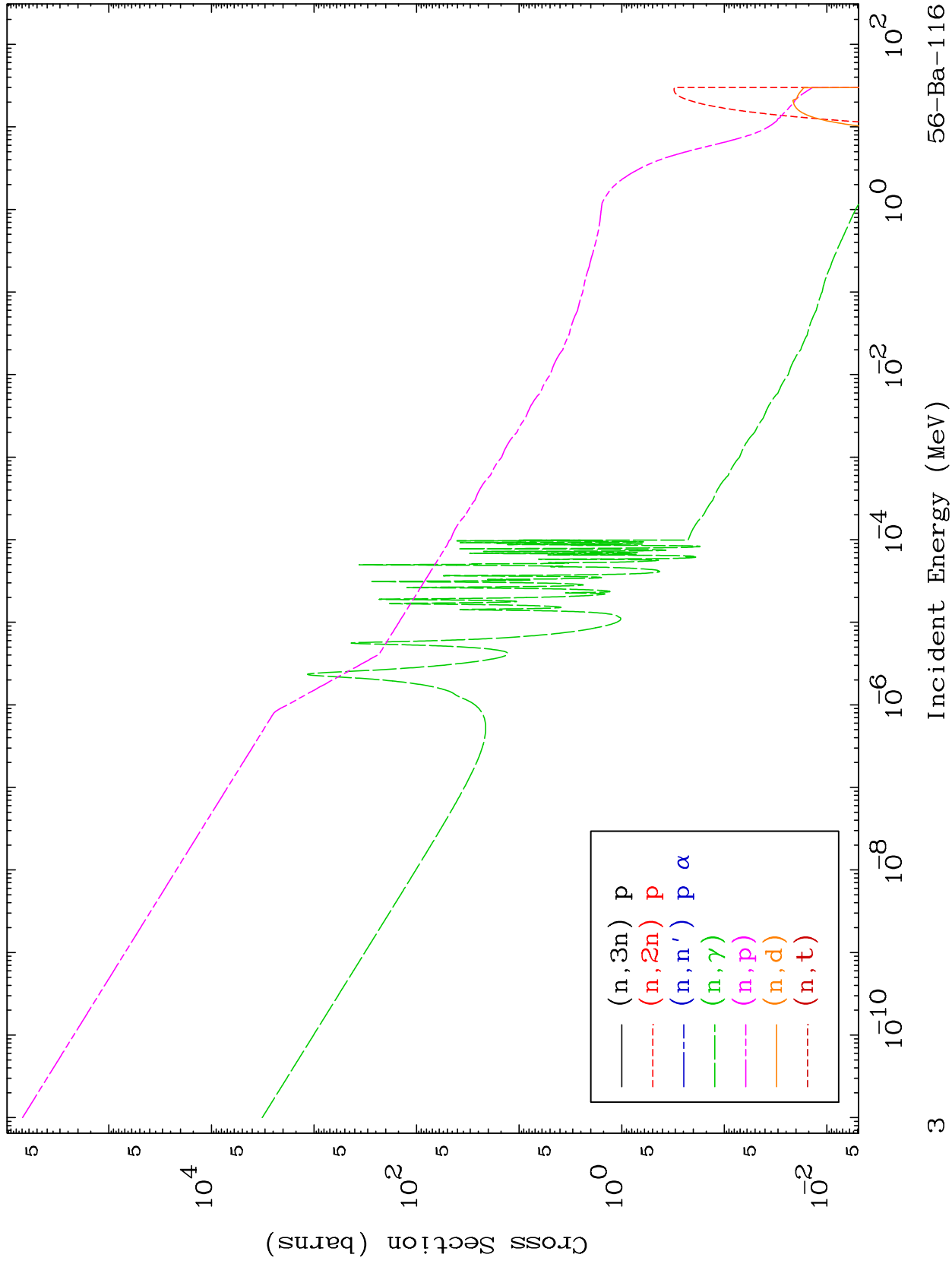


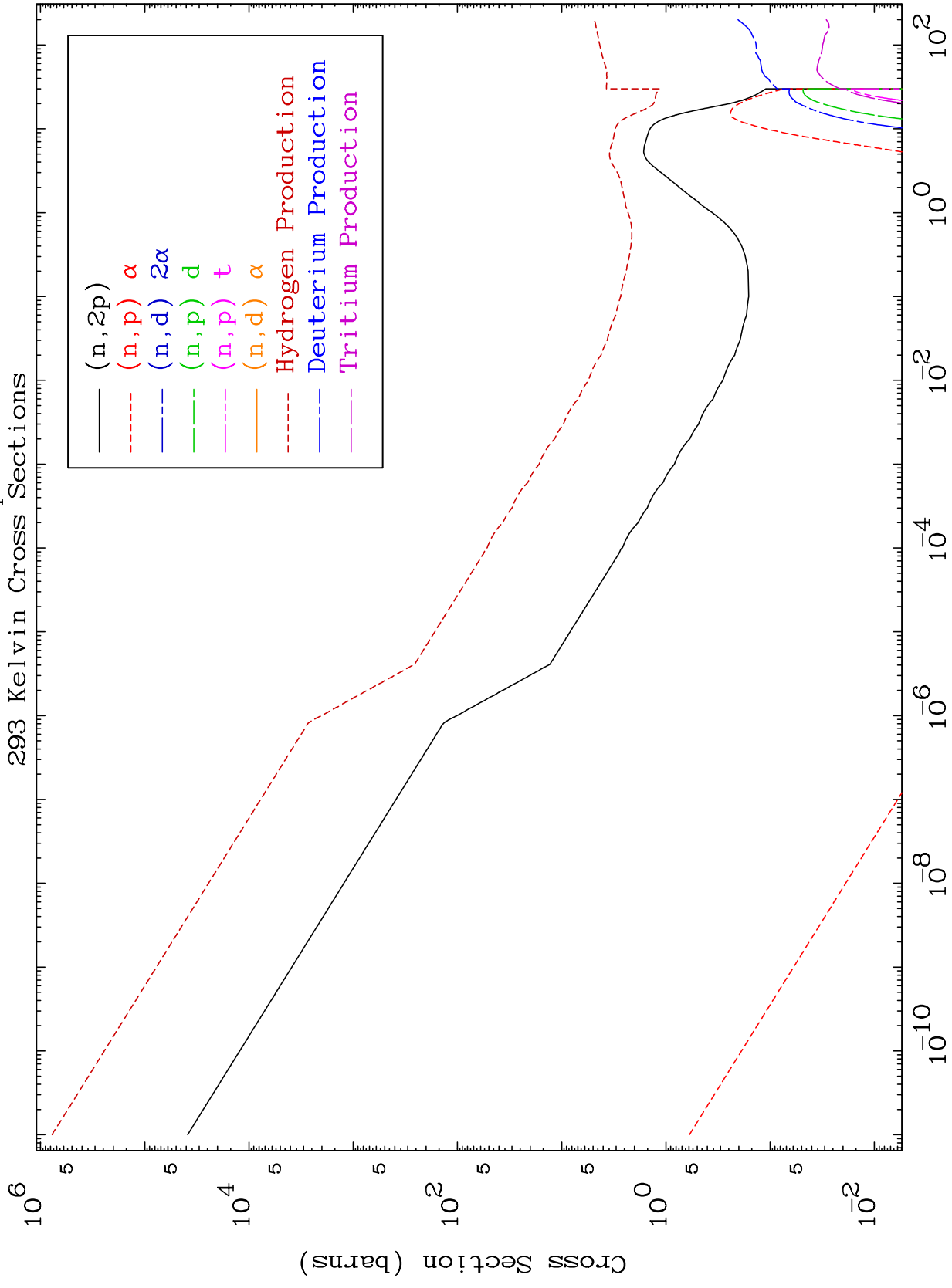
MAT 5583

Neutron Absorption
293 Kelvin Cross Sections

56-Ba-116



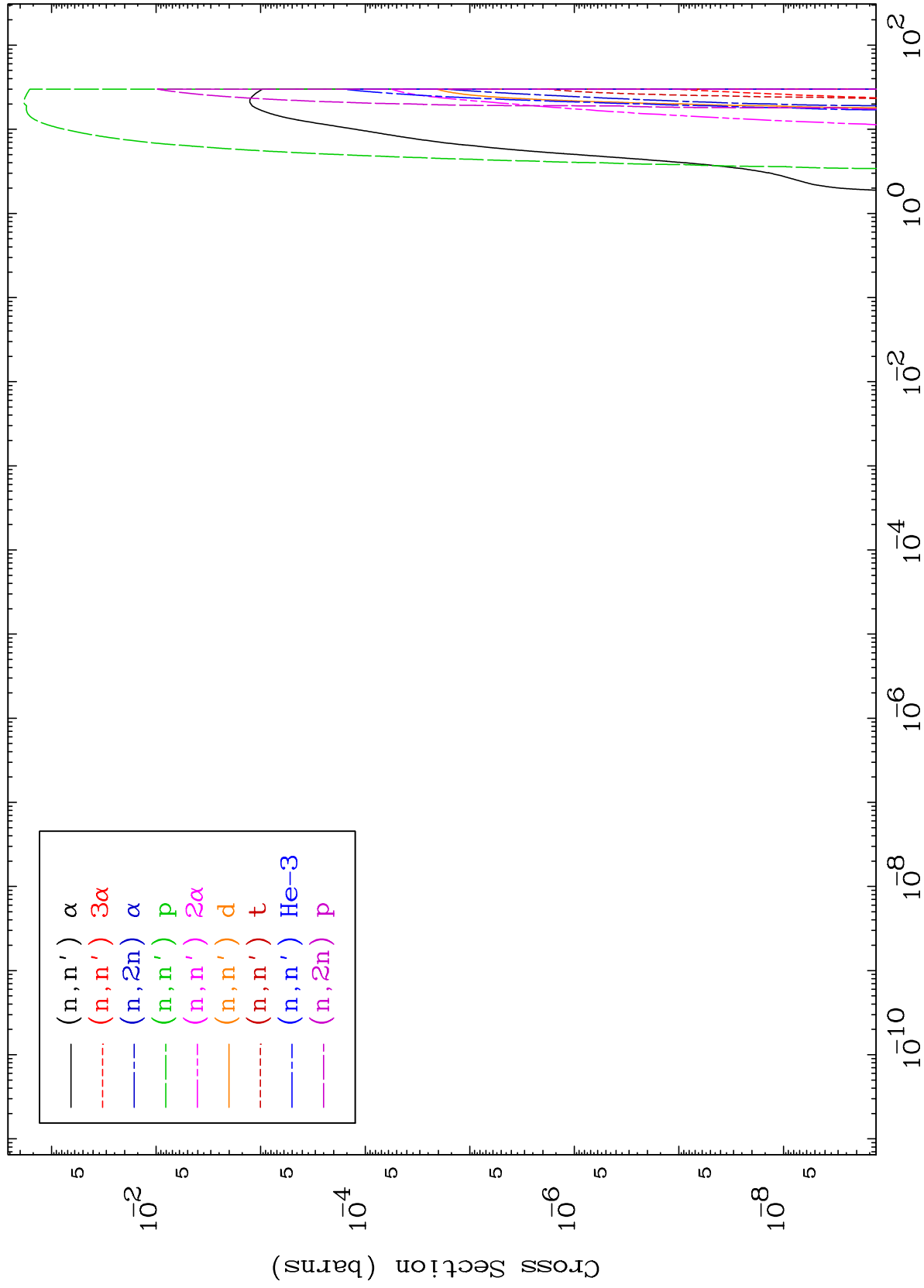




MAT 5583

Charged Particle
293 Kelvin Cross Sections

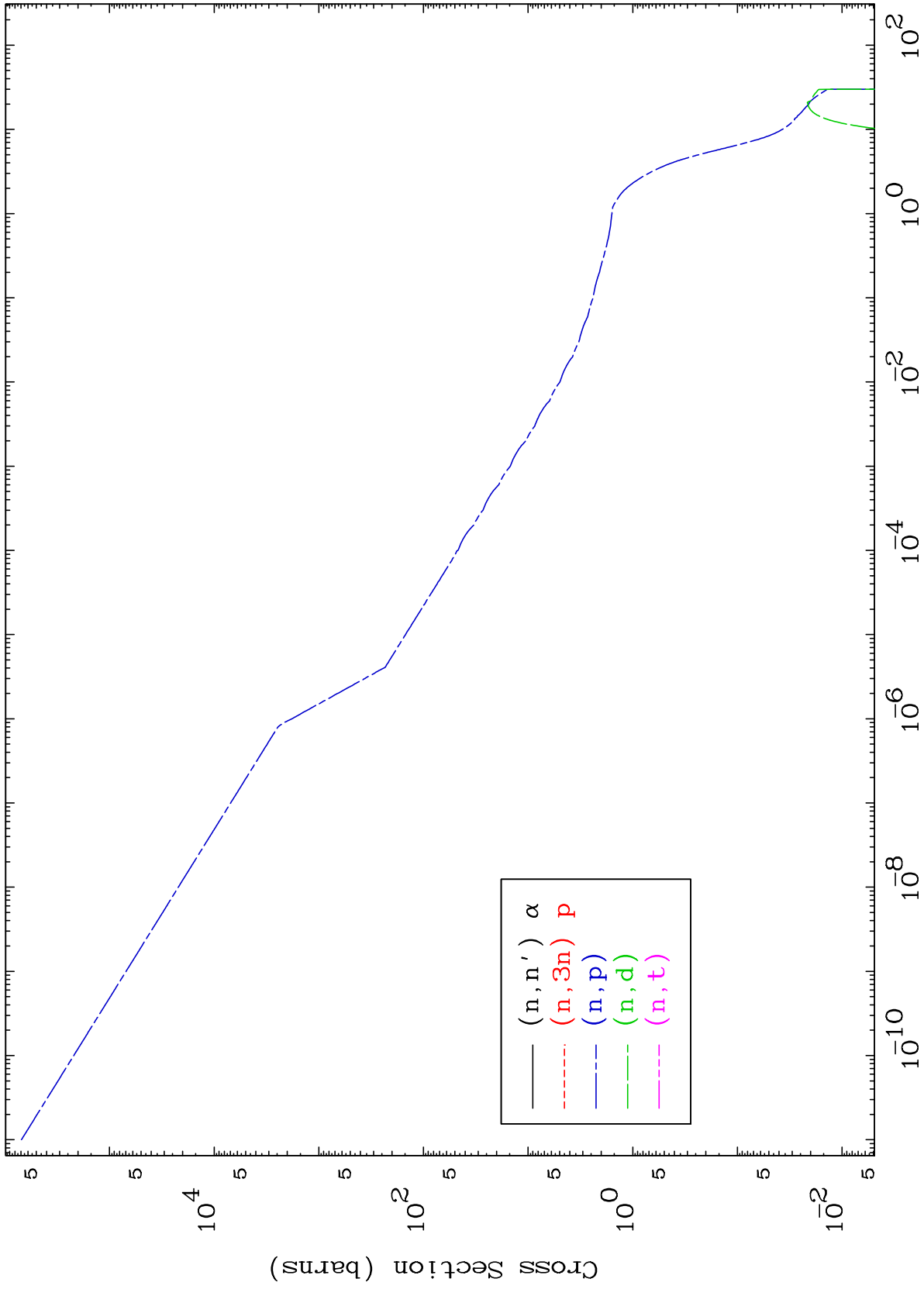
56-Ba-116



MAT 5583

Charged Particle
293 Kelvin Cross Sections

56-Ba-116



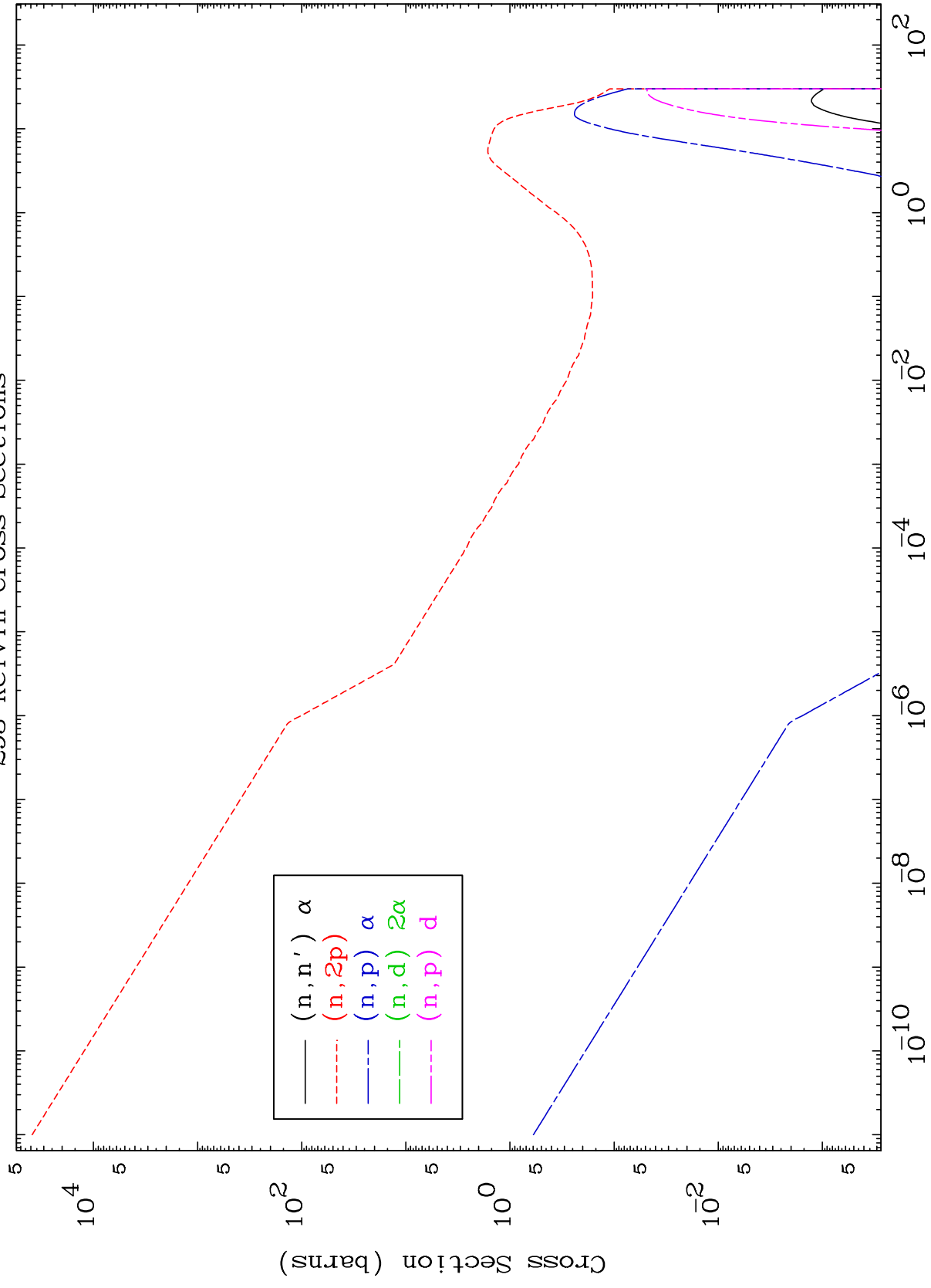
6

56-Ba-116

MAT 5583

Charged Particle
293 Kelvin Cross Sections

56-Ba-116

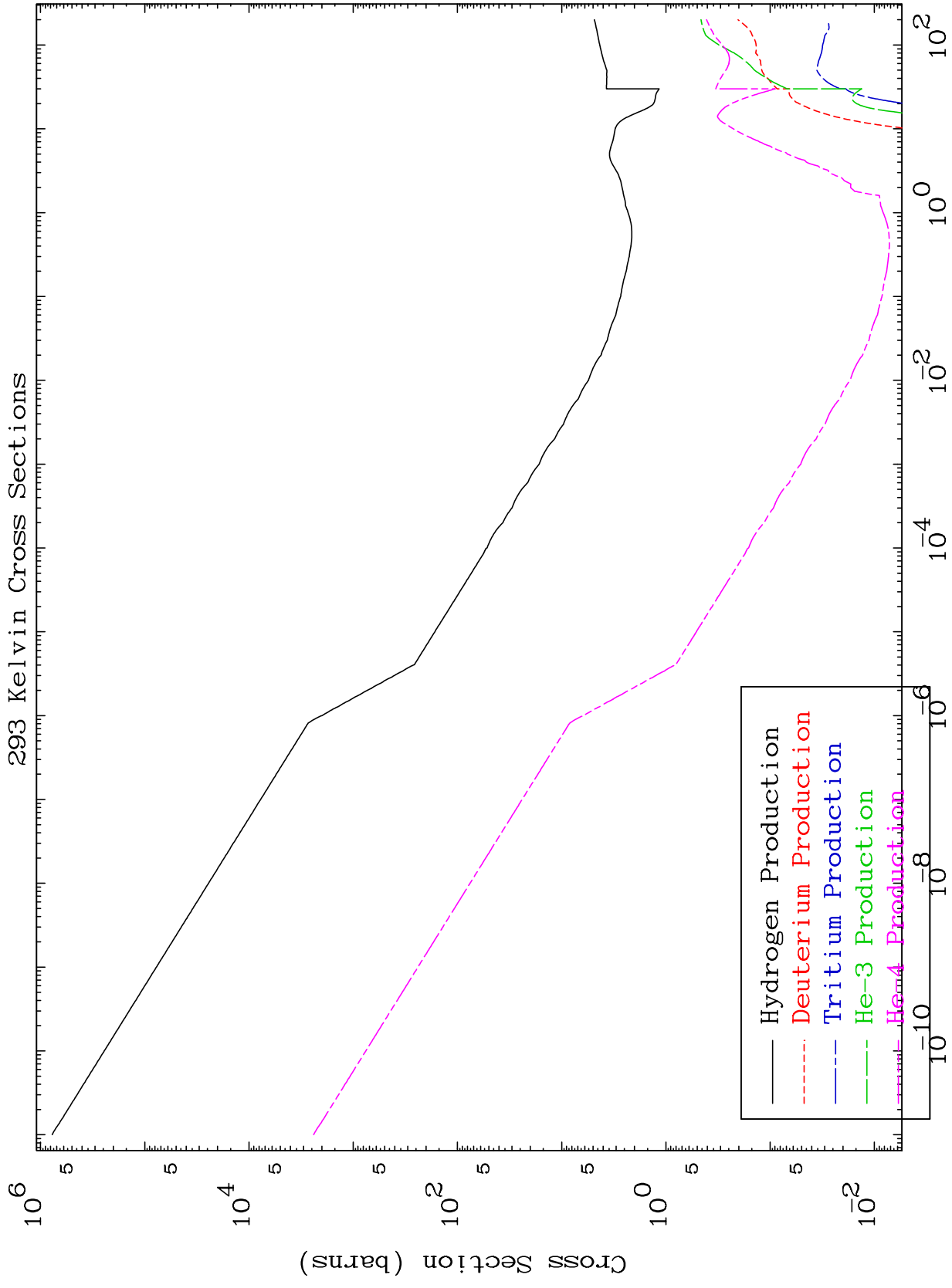


56-Ba-116

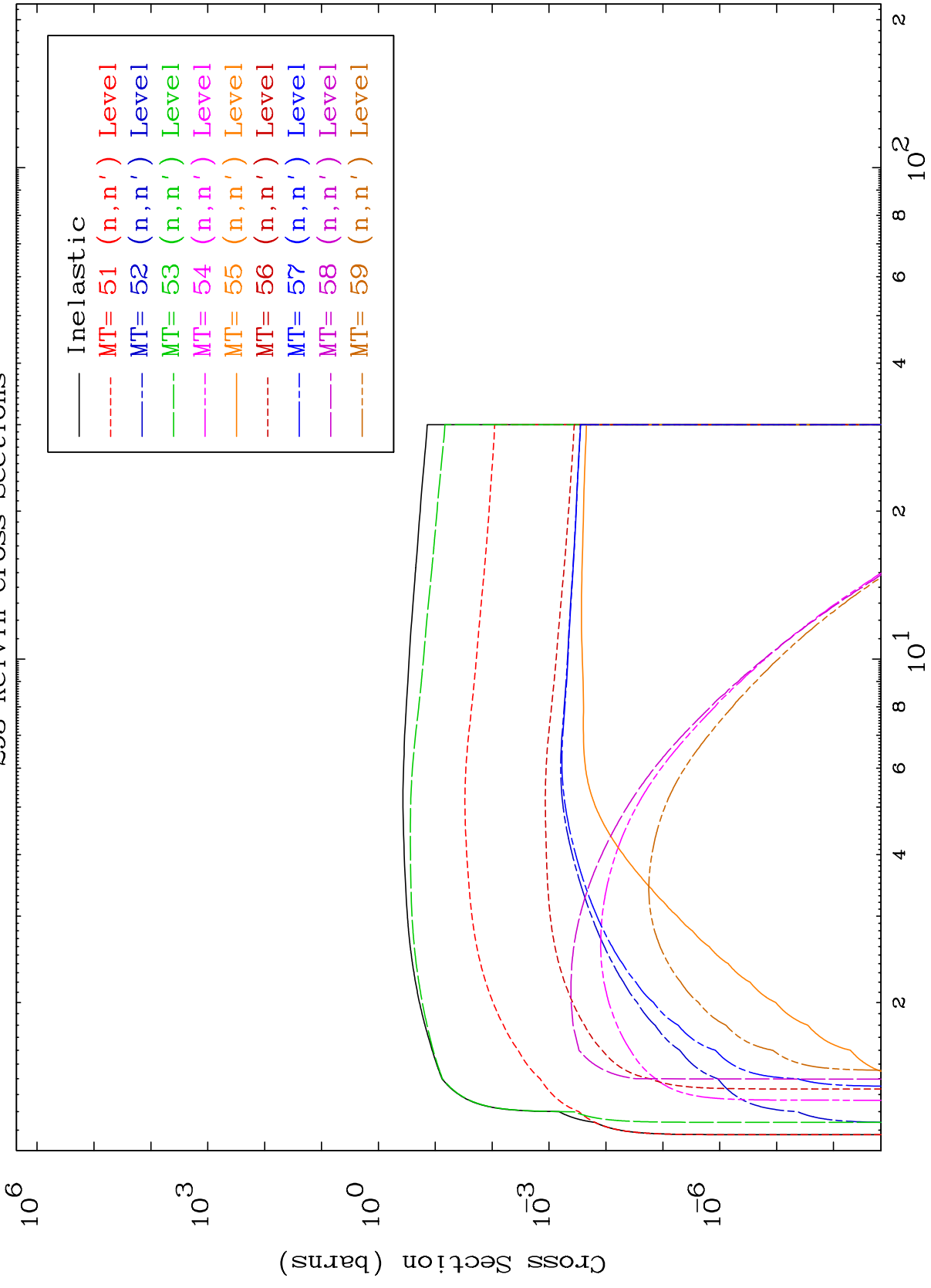
MAT 5583

Particle Production
293 Kelvin Cross Sections

56-Ba-116



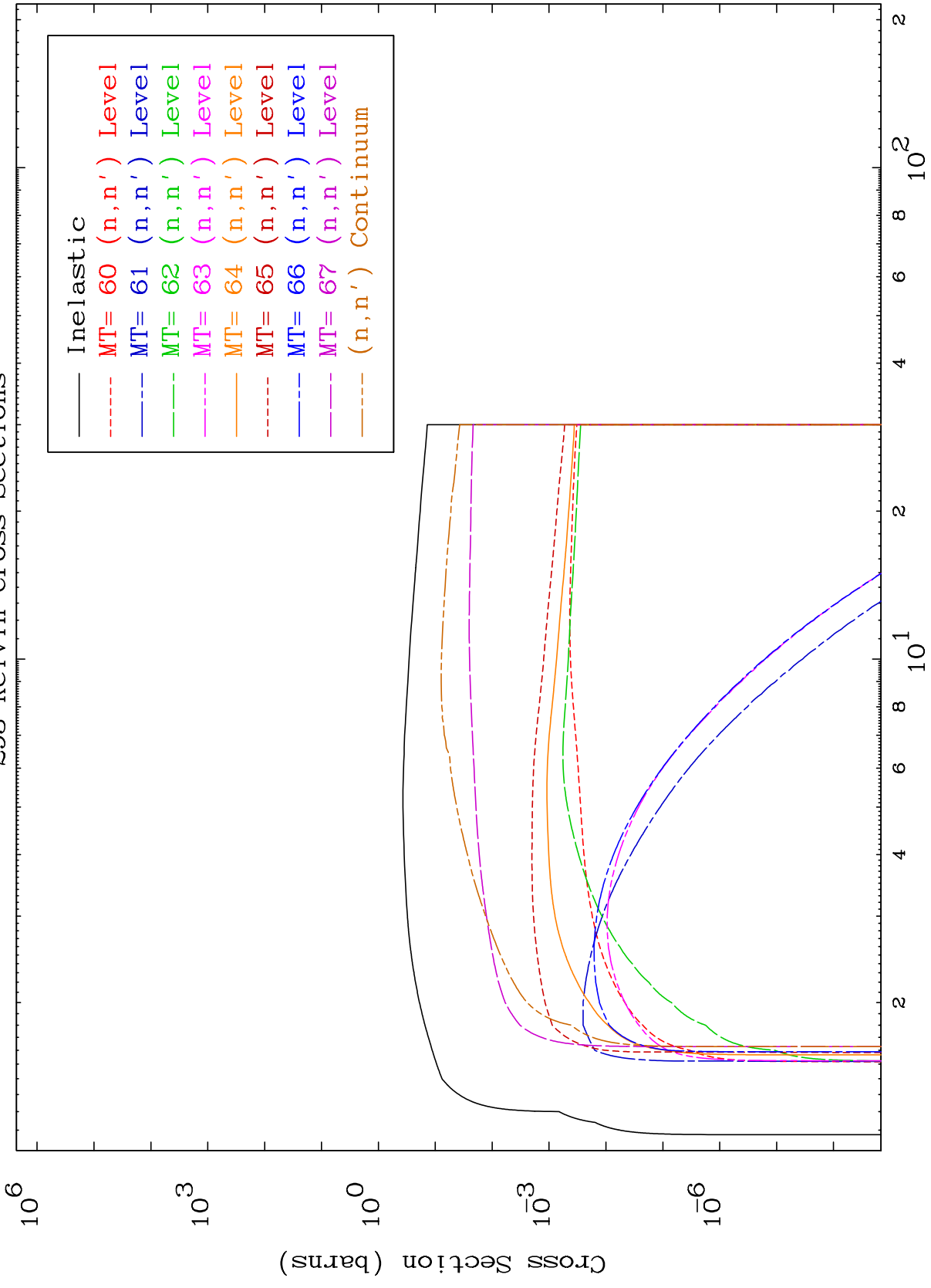
56-Ba-116



MAT 5583

(n,n') Levels
293 Kelvin Cross Sections

56-Ba-116



10

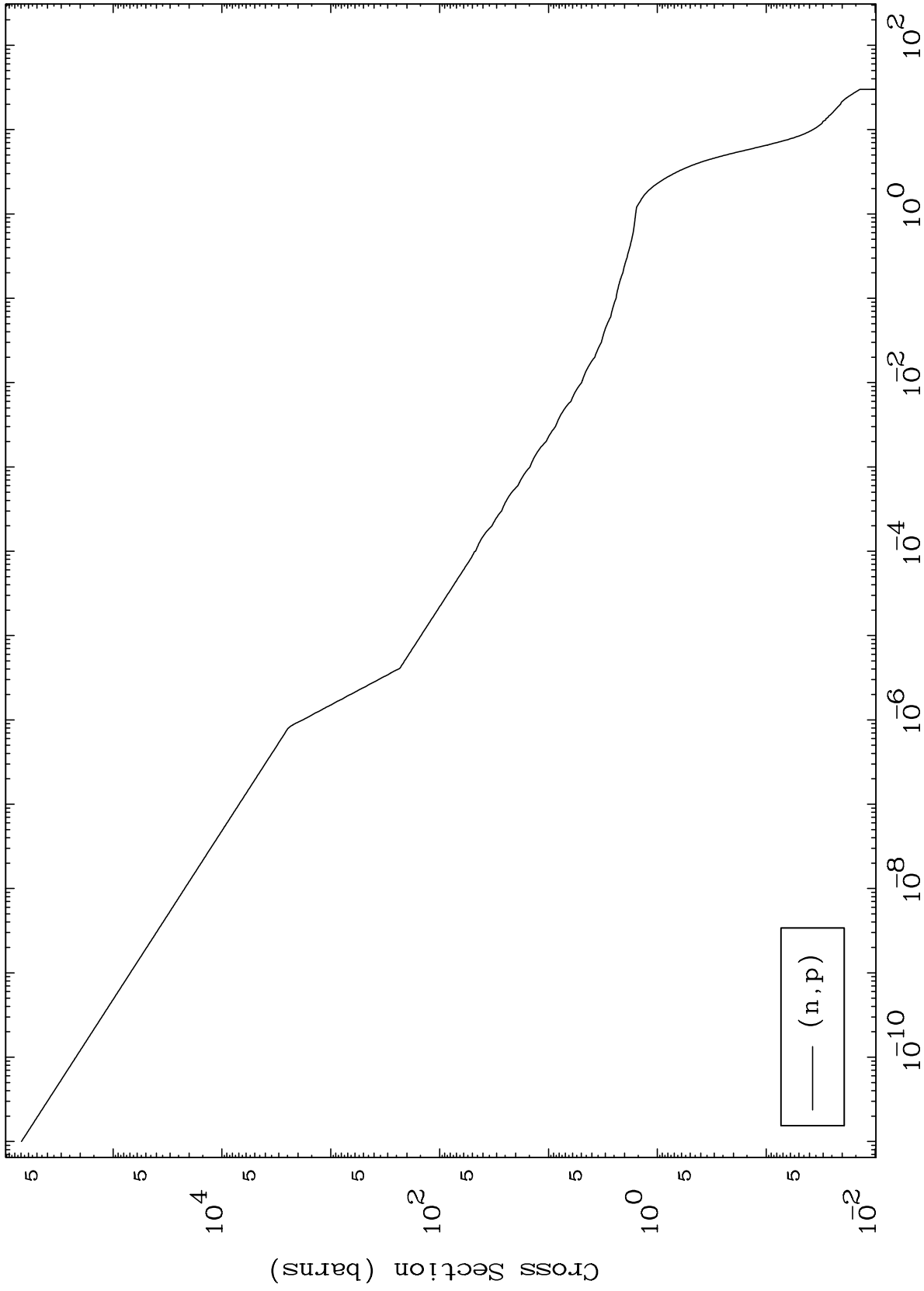
Incident Energy (MeV)

56-Ba-116

MAT 5583

(n,p) Levels
293 Kelvin Cross Sections

56-Ba-116



11

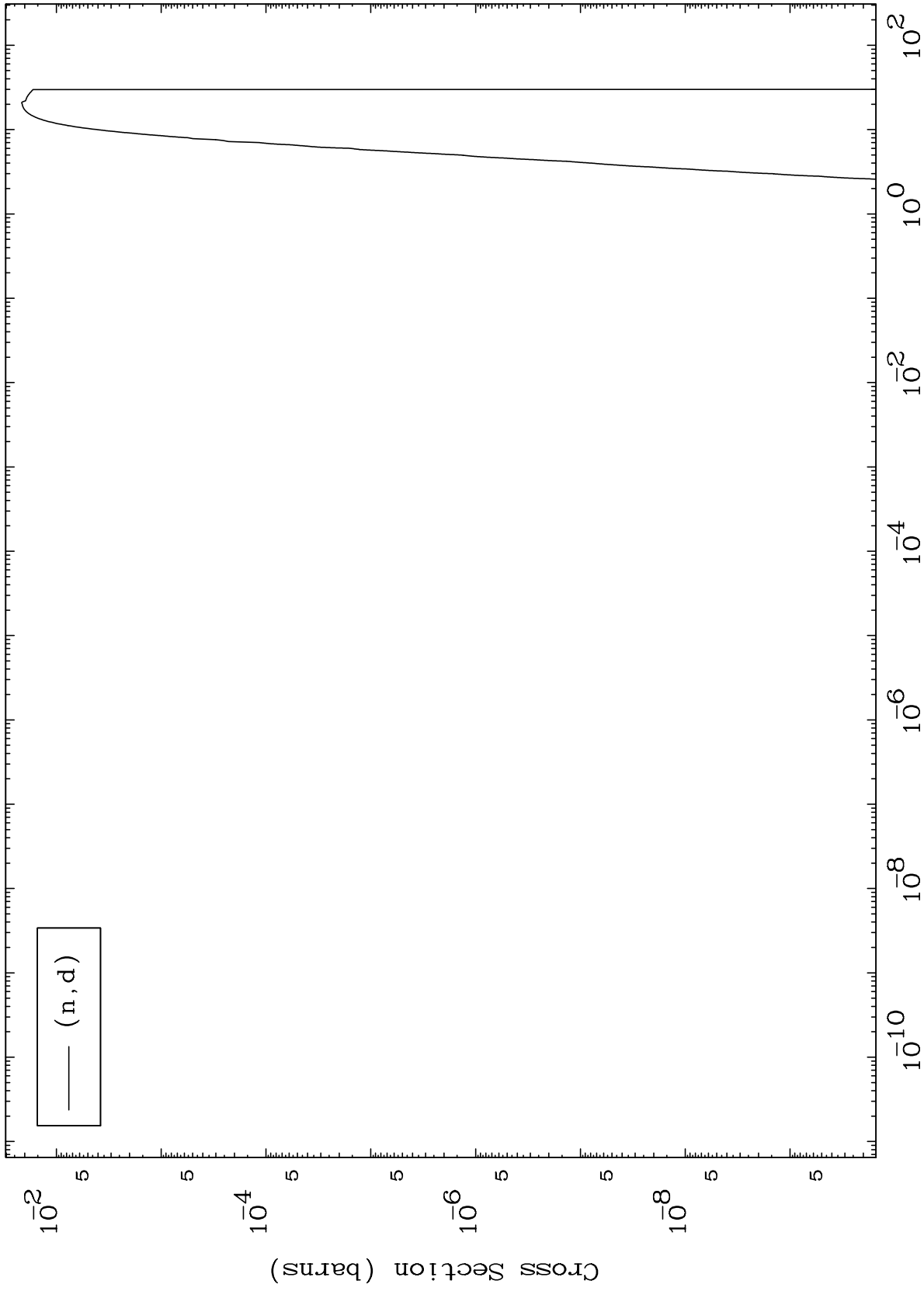
Incident Energy (MeV)

56-Ba-116

MAT 5583

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-116



12

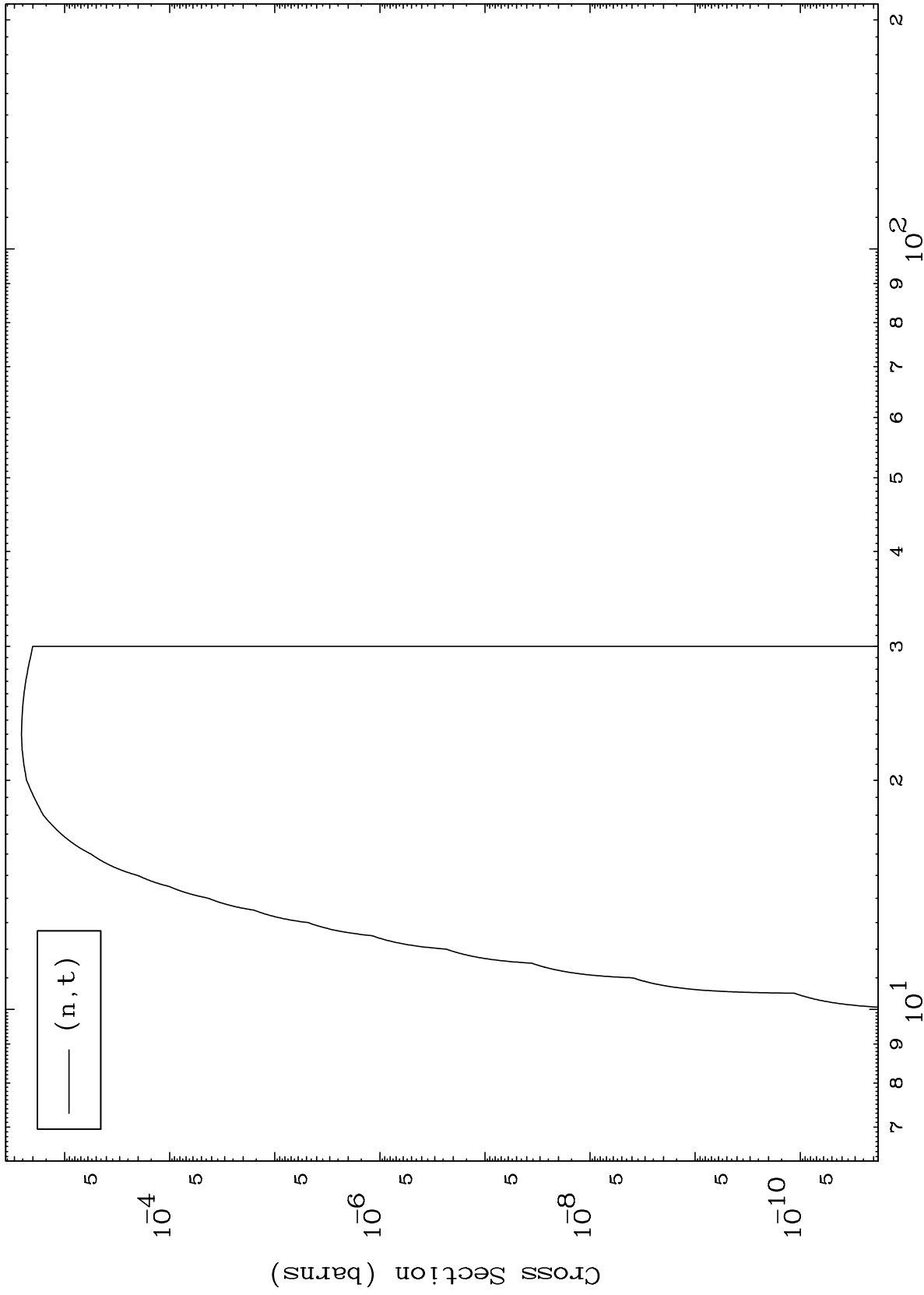
Incident Energy (MeV)

56-Ba-116

MAT 5583

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-116



13

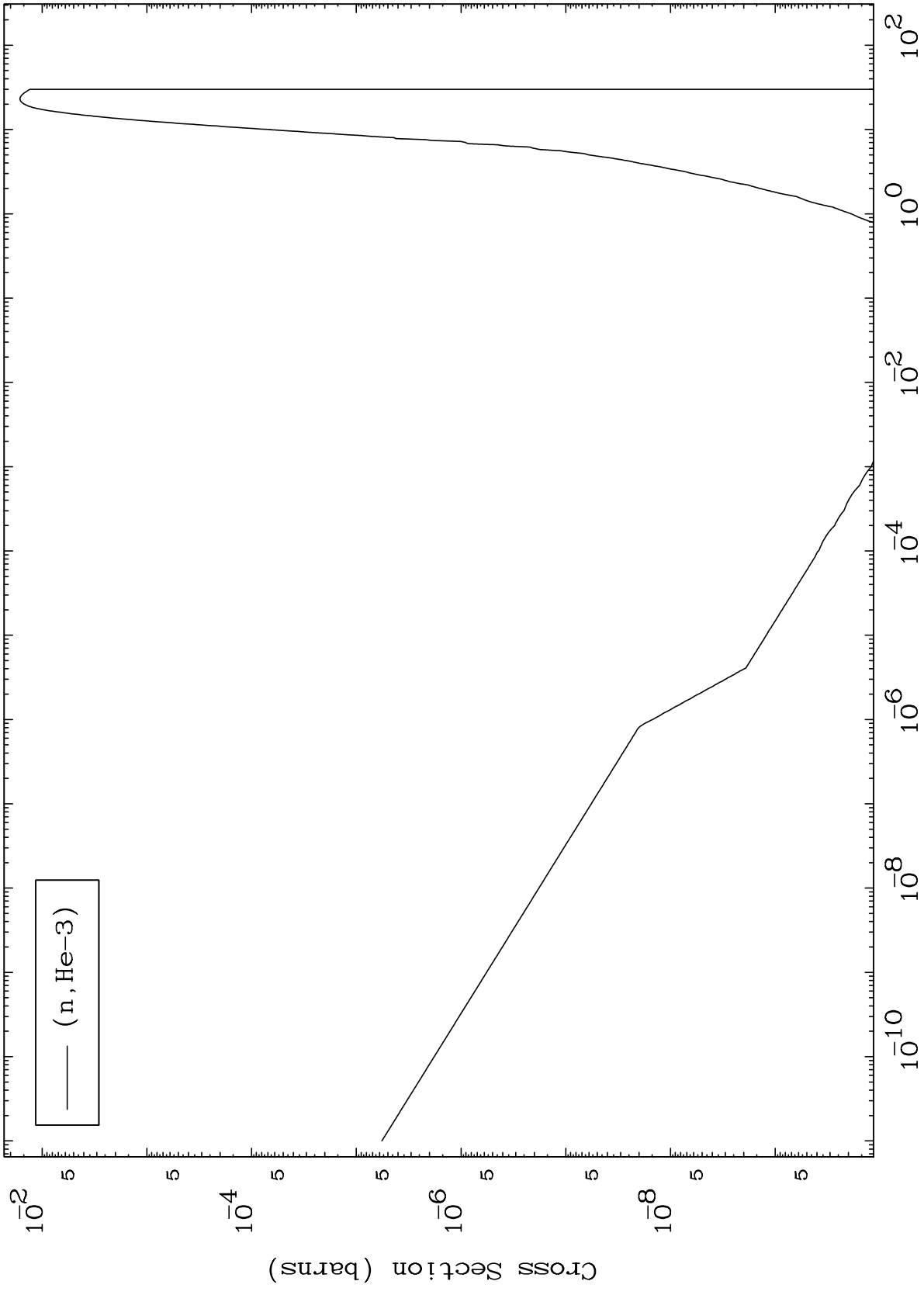
Incident Energy (MeV)

56-Ba-116

MAT 5583

(n,He3) Levels
293 Kelvin Cross Sections

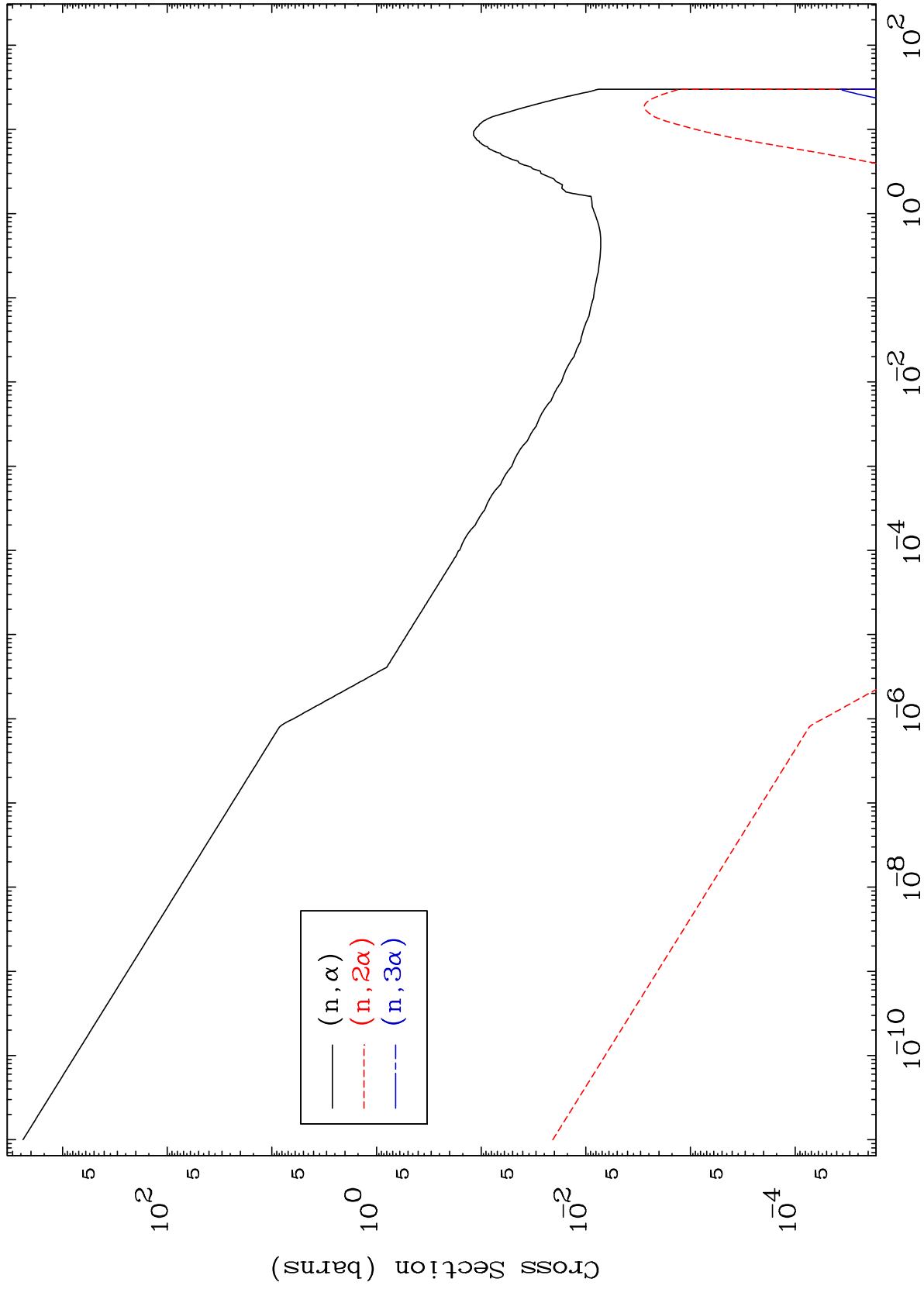
56-Ba-116



MAT 5583

(n,α) Levels
293 Kelvin Cross Sections

56-Ba-116



15

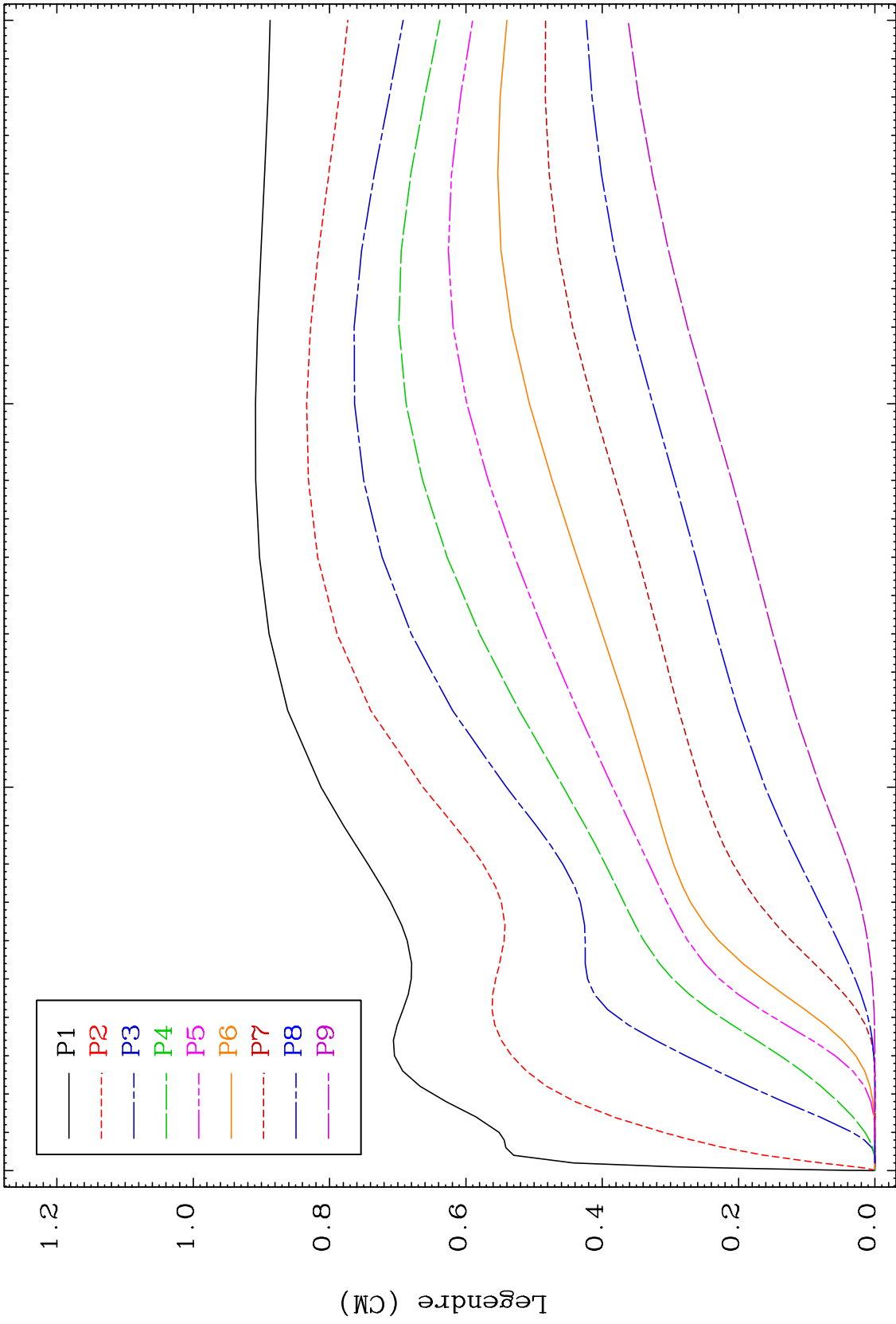
Incident Energy (MeV)

56-Ba-116

MAT 5583

Elastic Legendre Coefficients

56-Ba-116



16

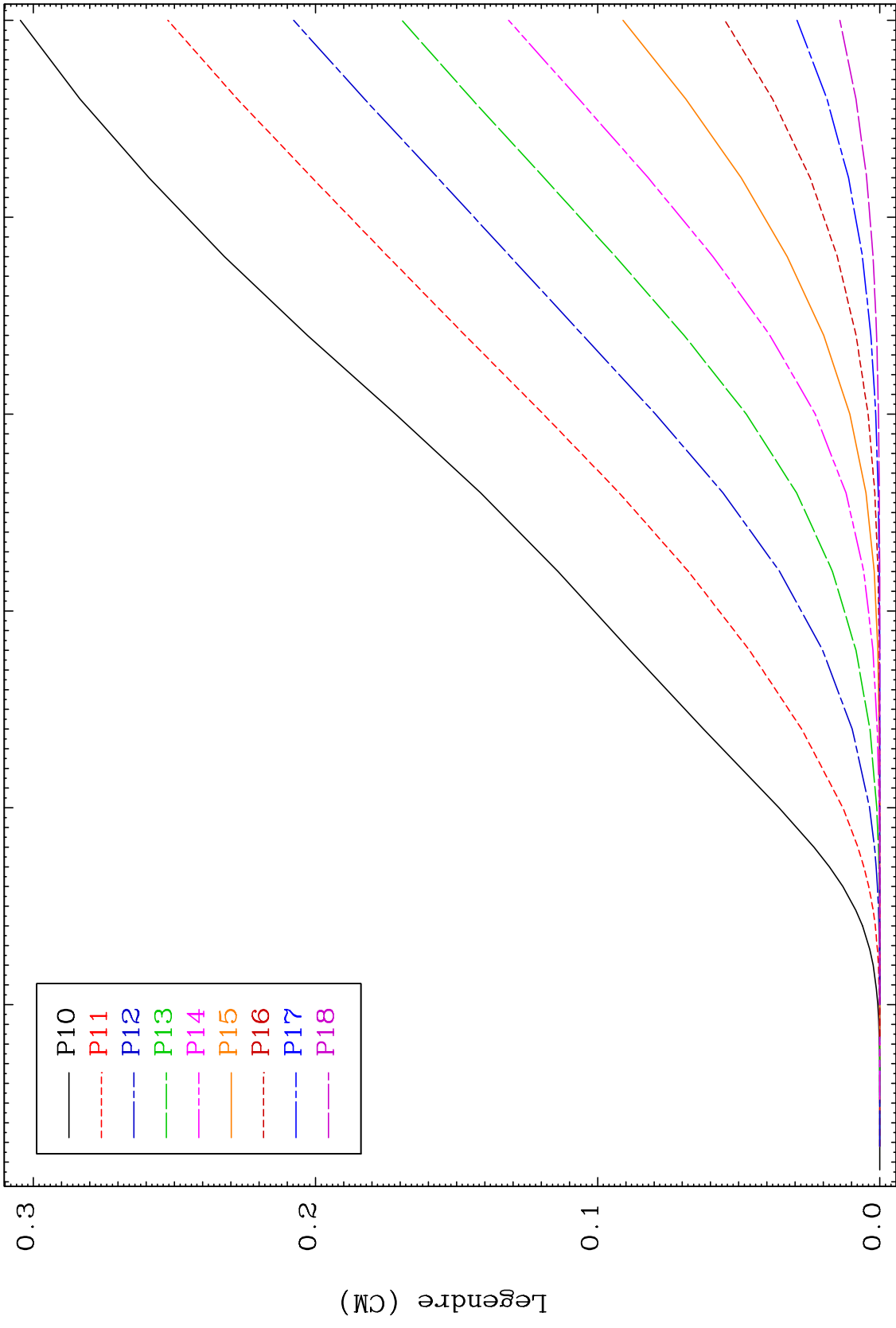
Incident Energy (MeV)

56-Ba-116

MAT 5583

Elastic Legendre Coefficients

56-Ba-116



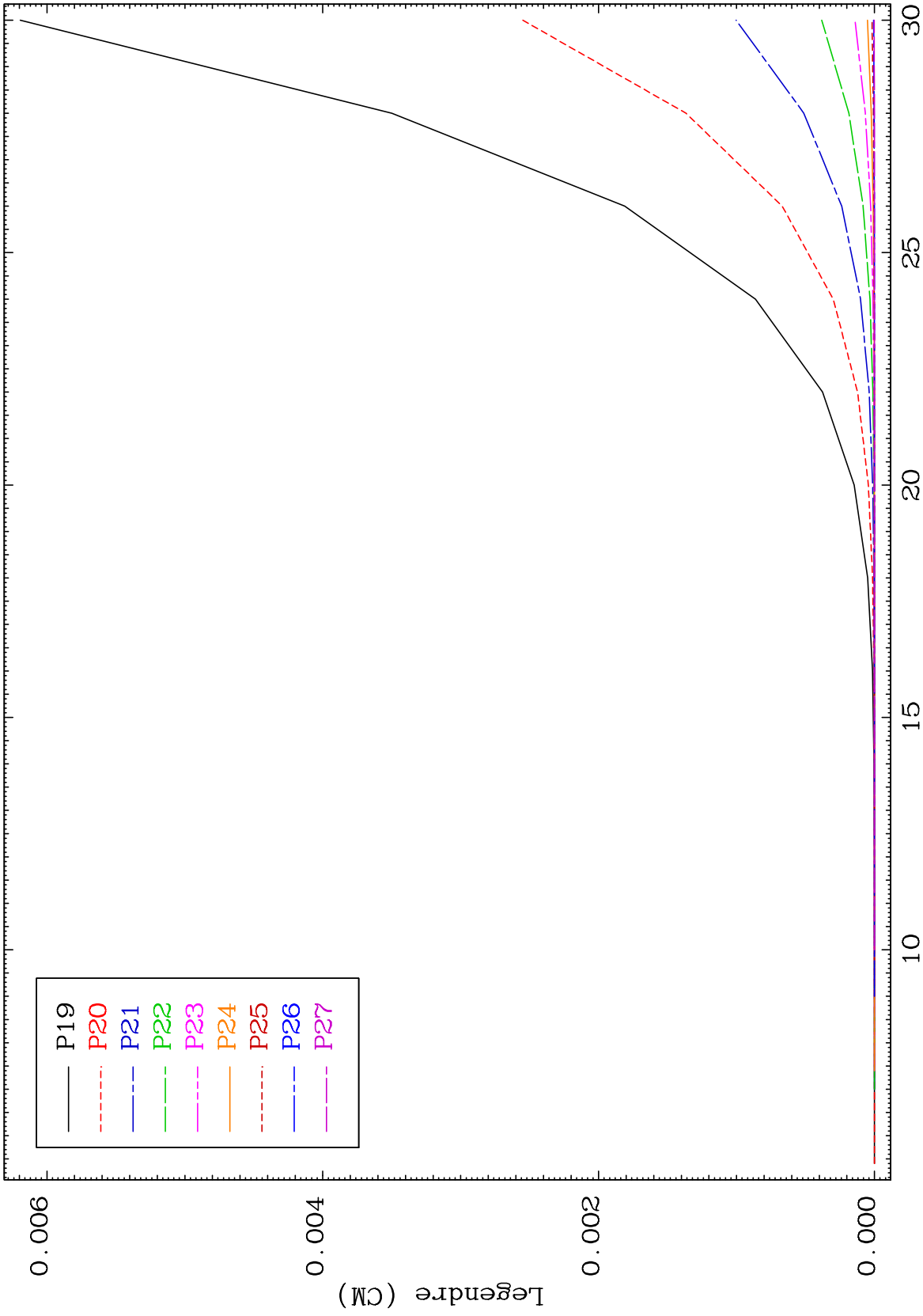
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56-Ba-116

MAT 5583

Elastic Legendre Coefficients

56-Ba-116



18

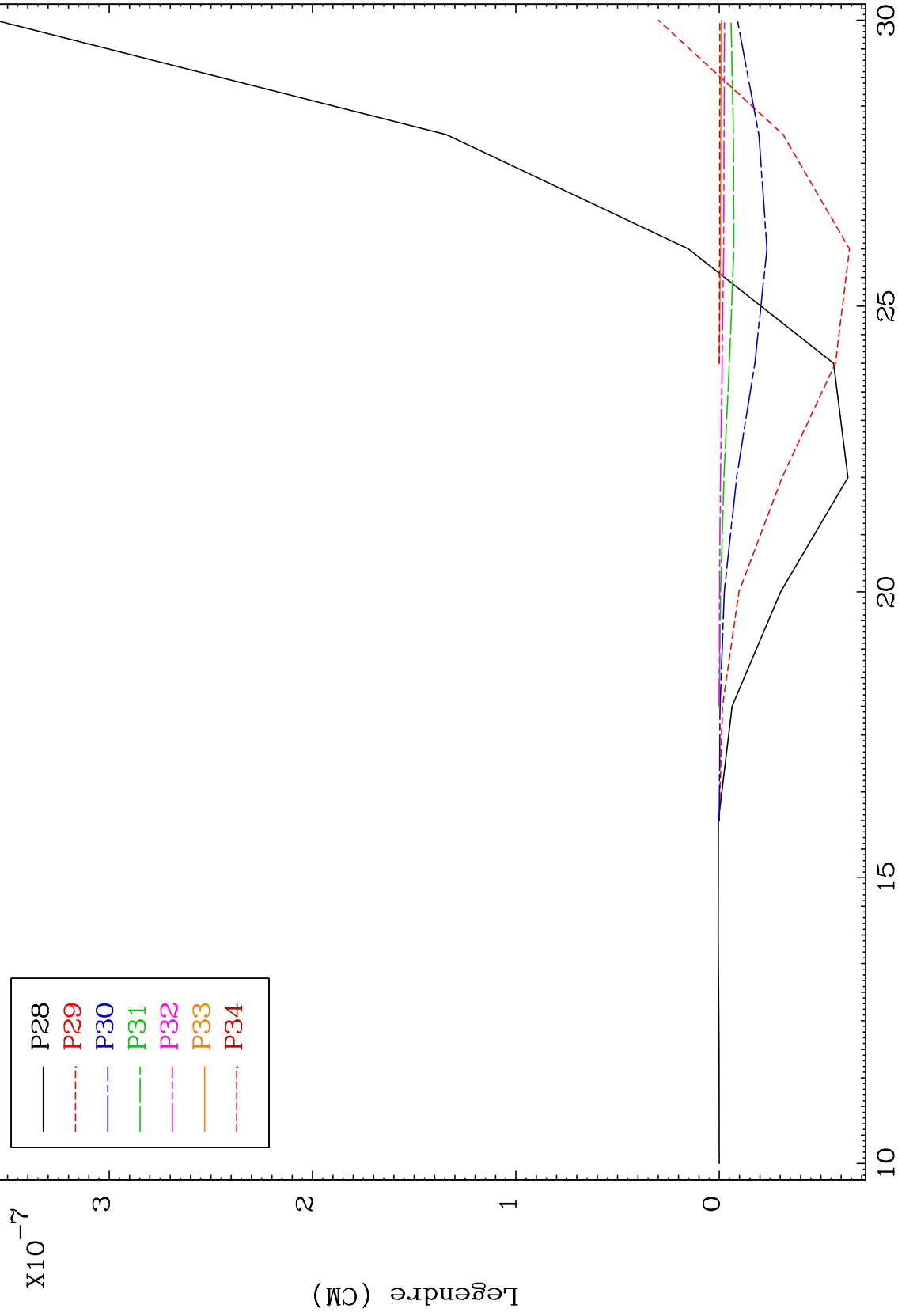
Incident Energy (MeV)

56-Ba-116

MAT 5583

Elastic Legendre Coefficients

56-Ba-116



19

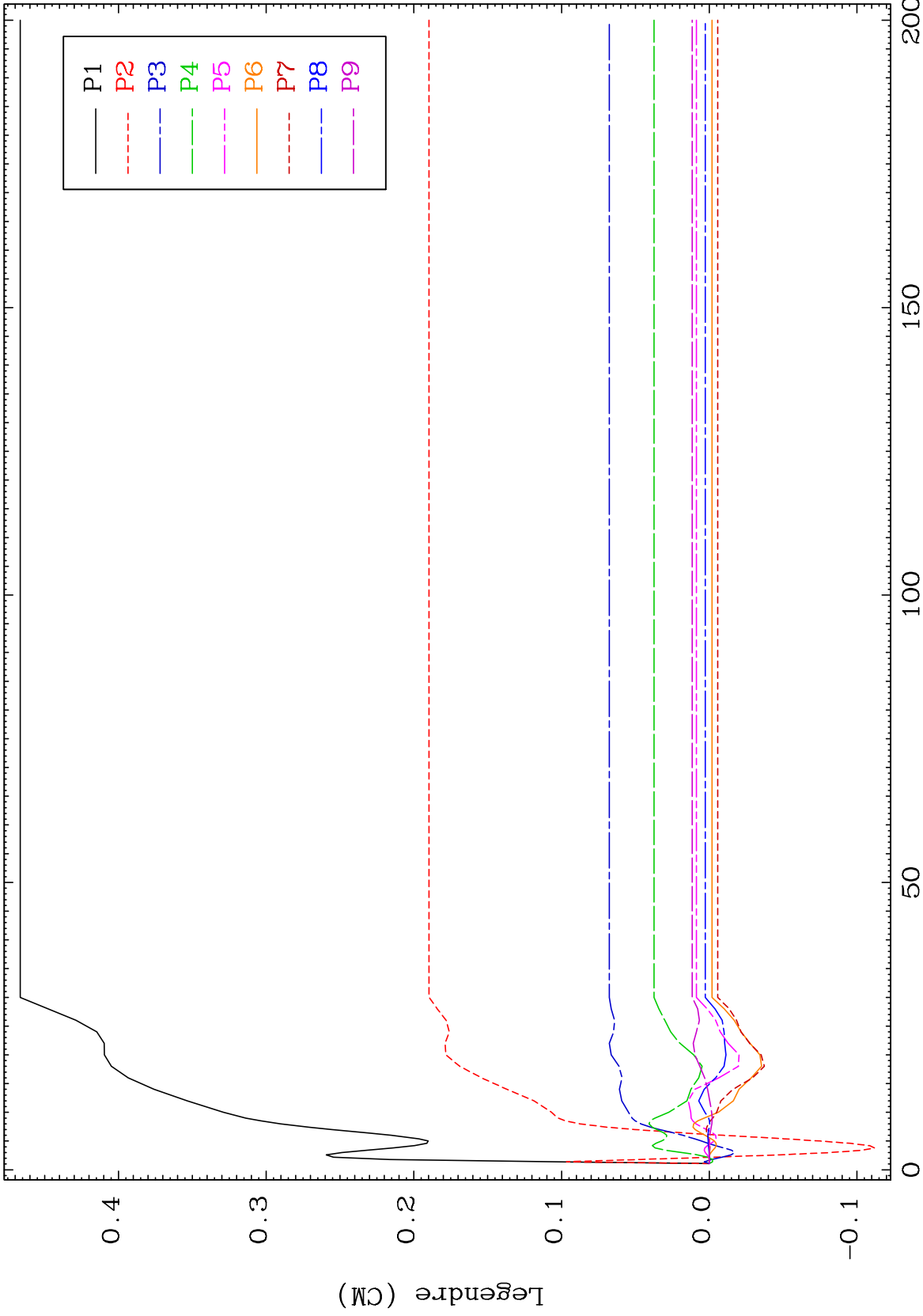
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



56-Ba-116

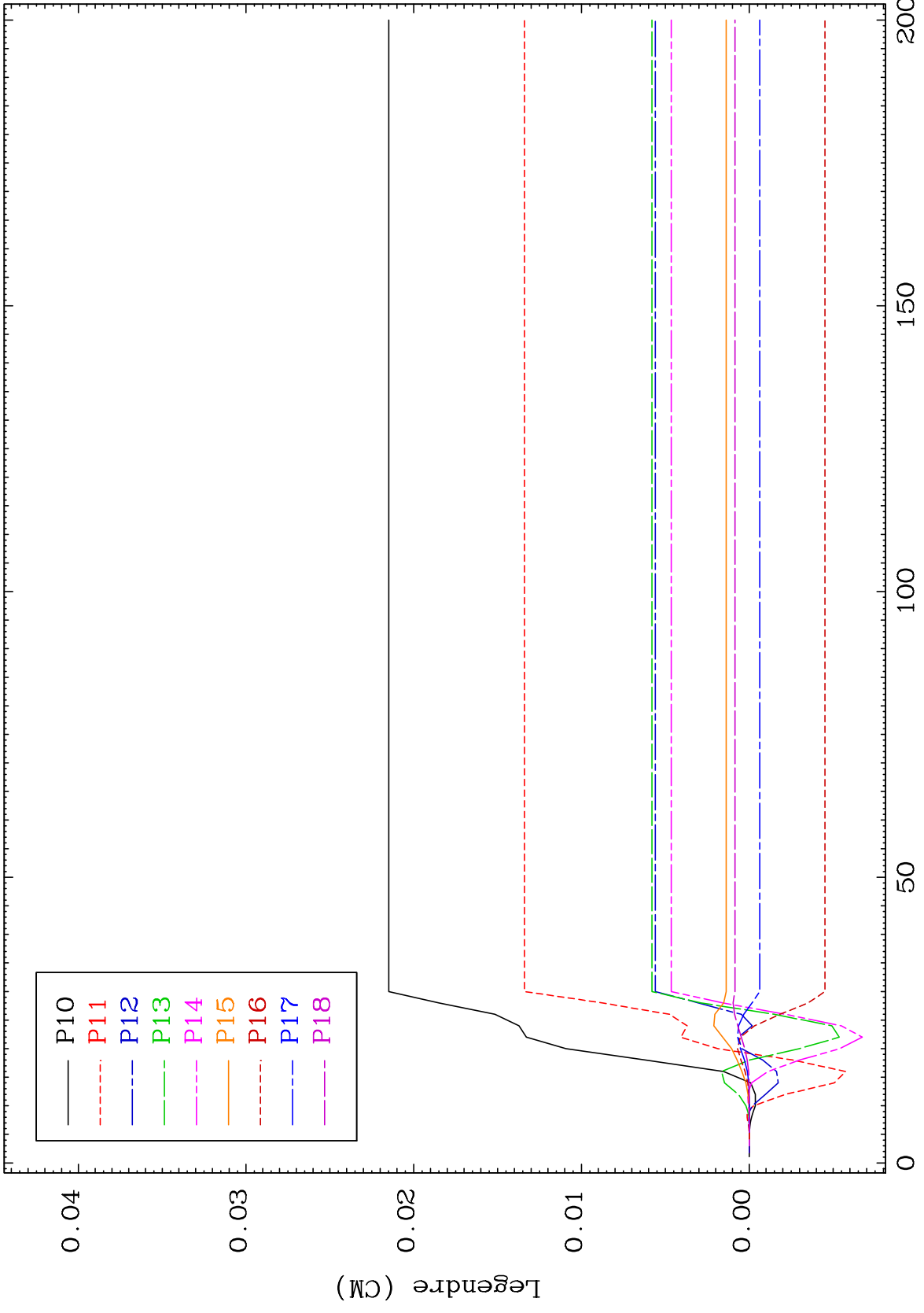
Incident Energy (MeV)

20

MAT 5583

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

56-Ba-116



21

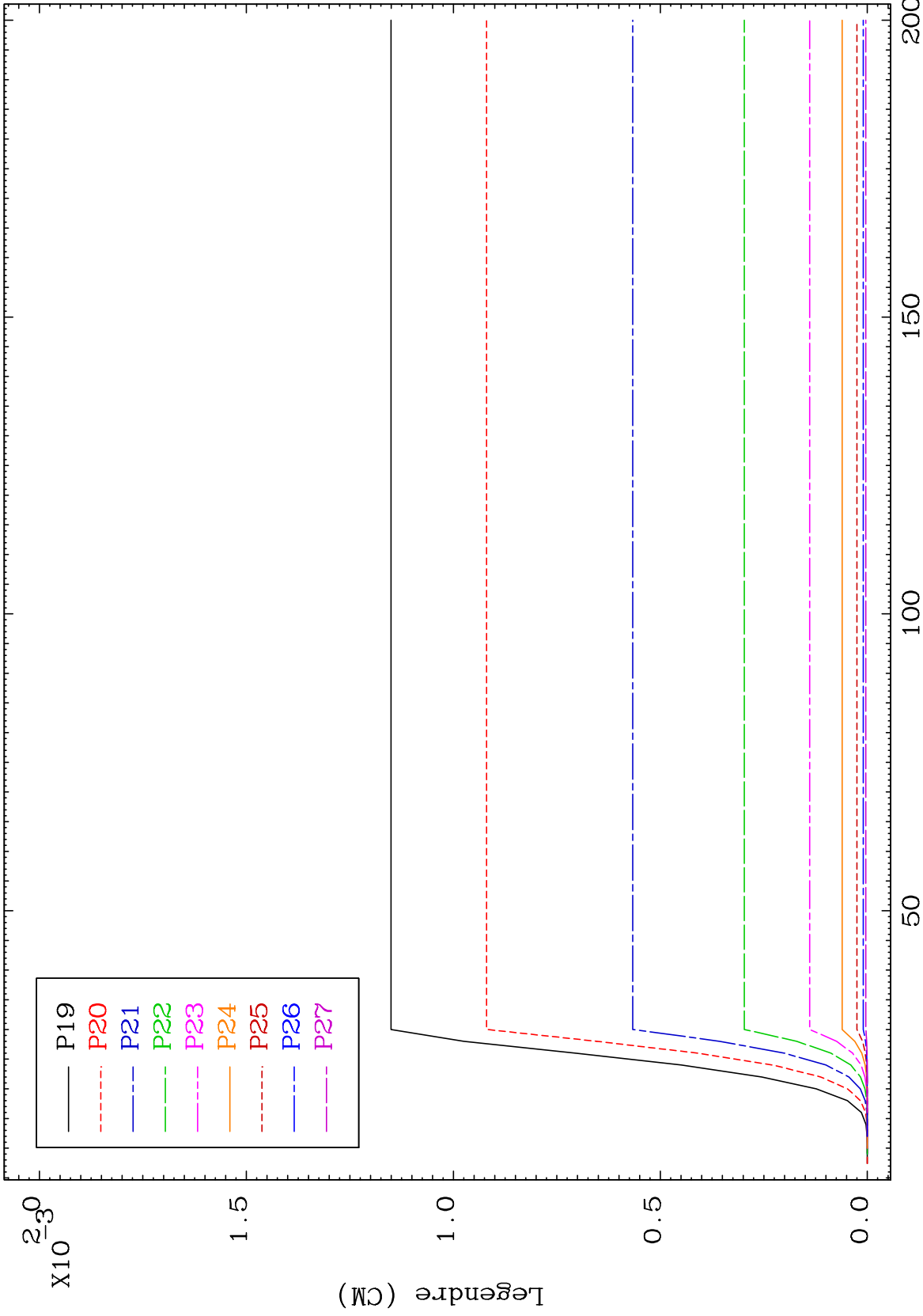
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



22

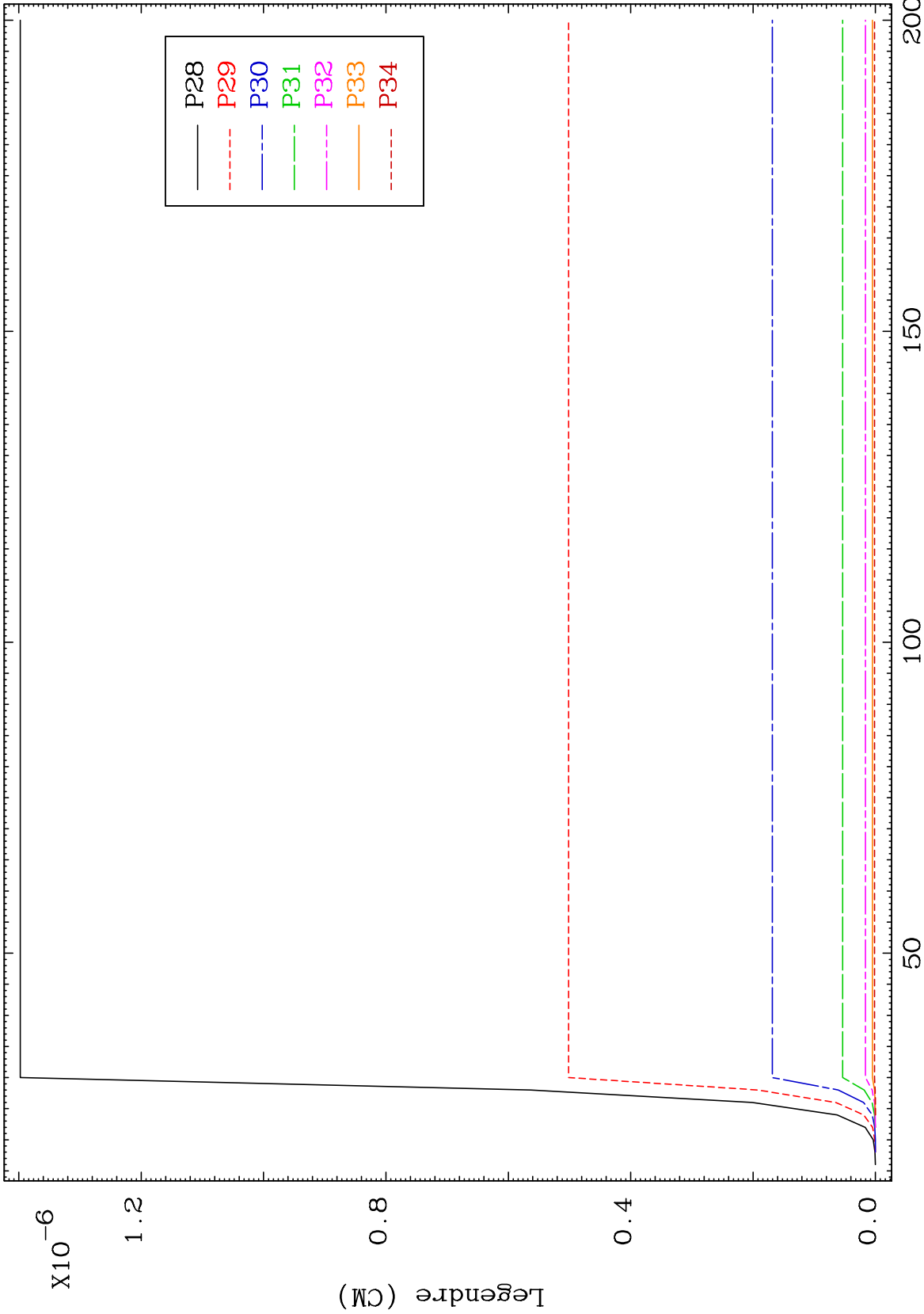
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



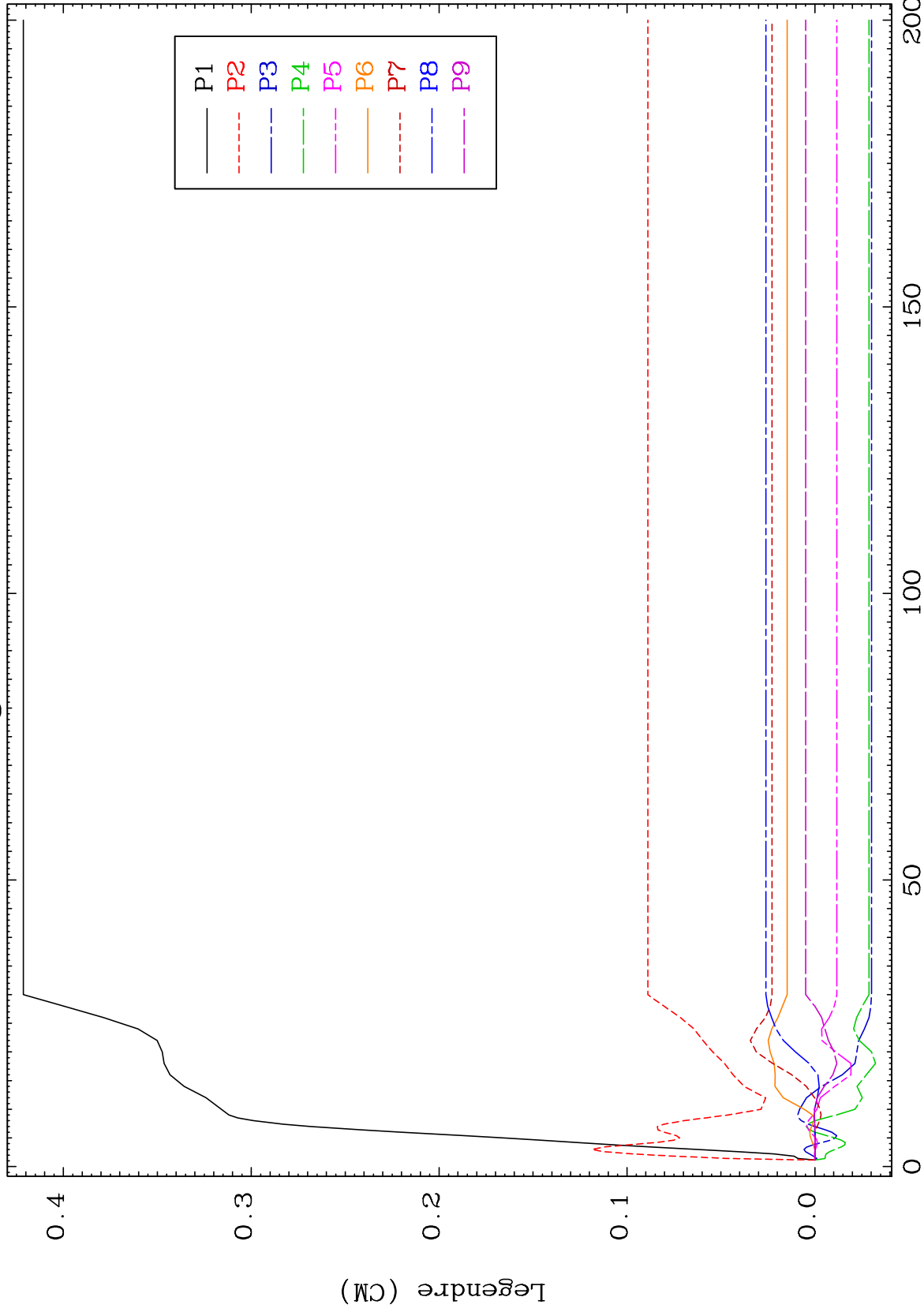
23

56-Ba-116

MAT 5583

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

56-Ba-116



24

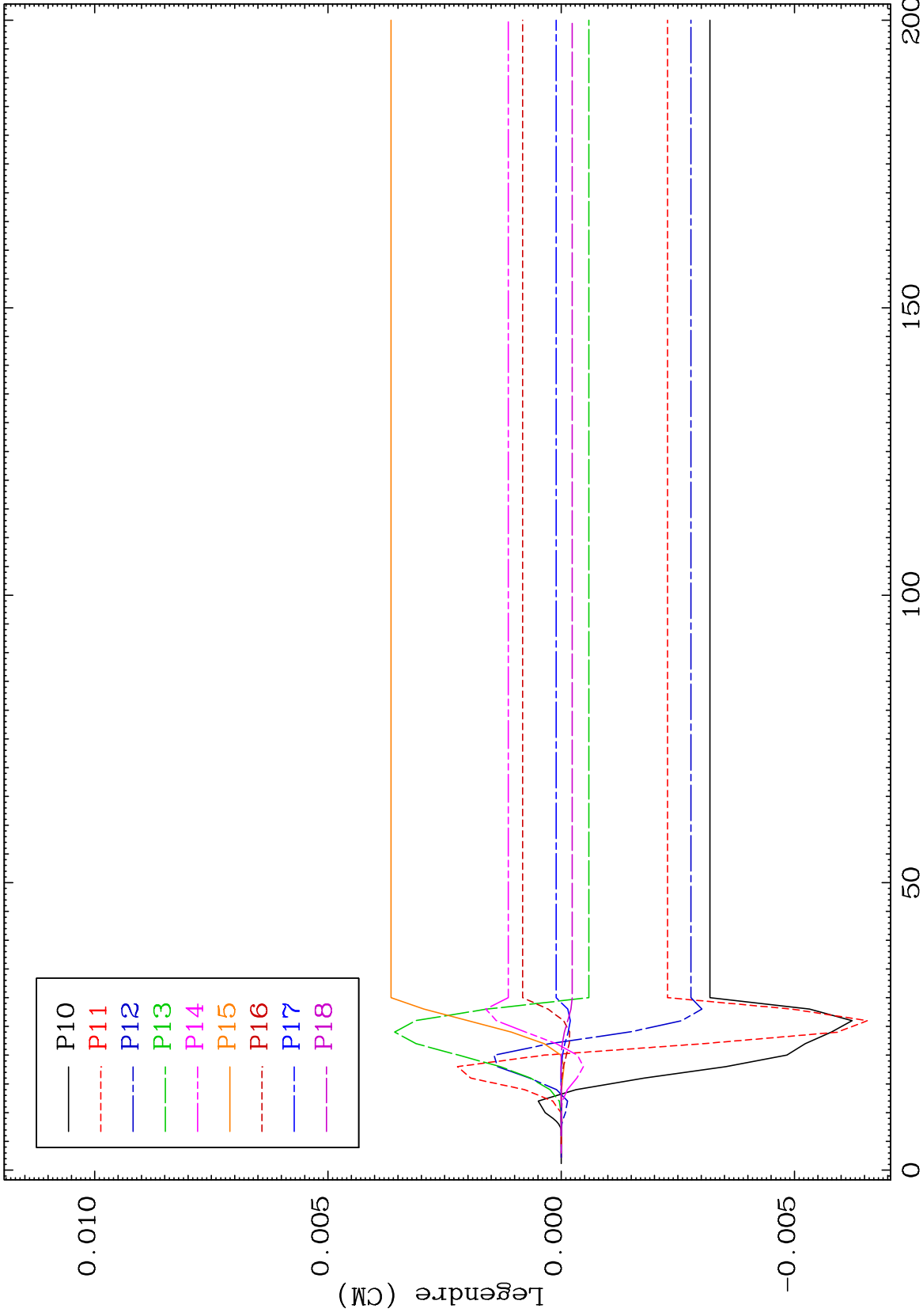
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



25

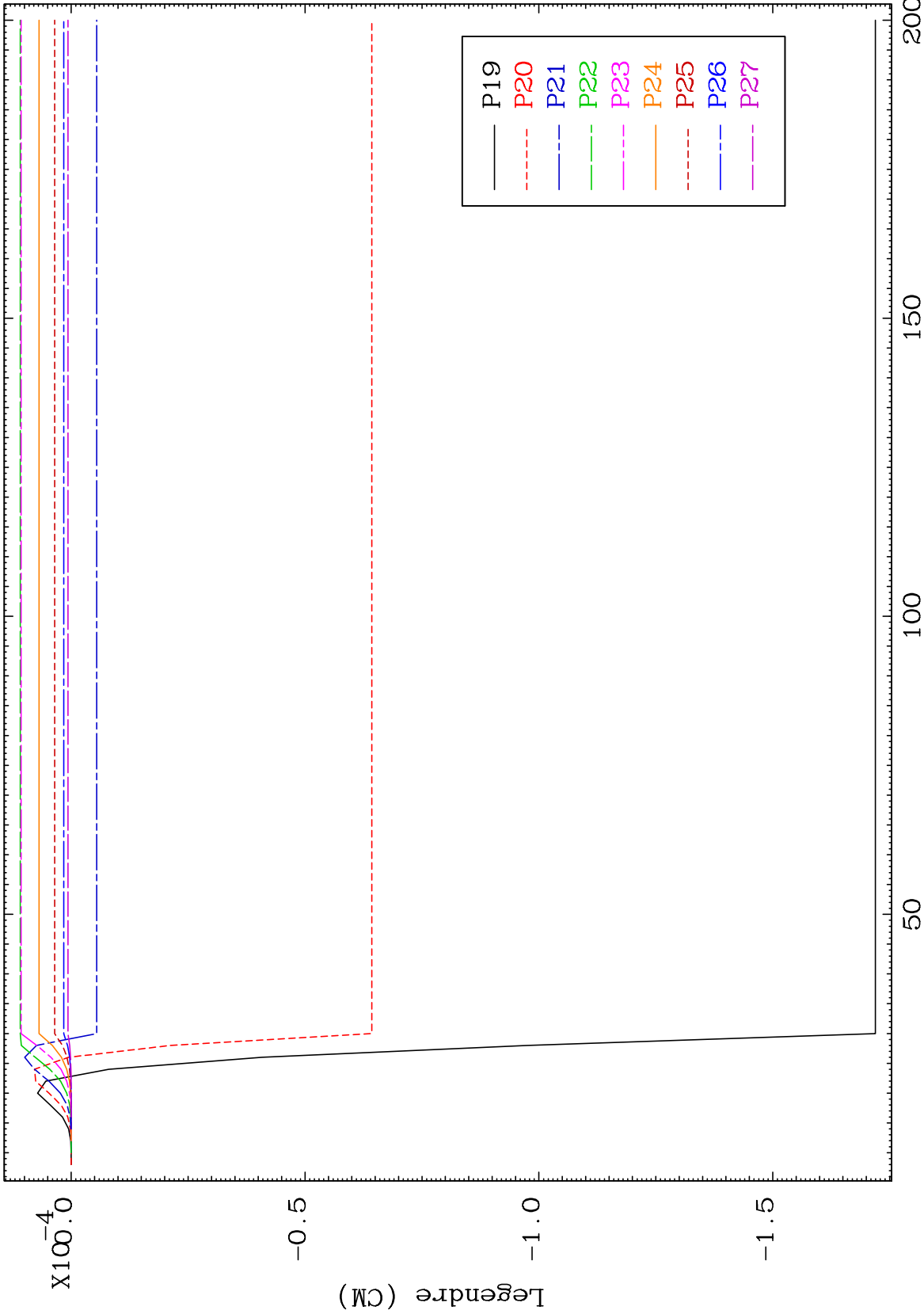
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



26

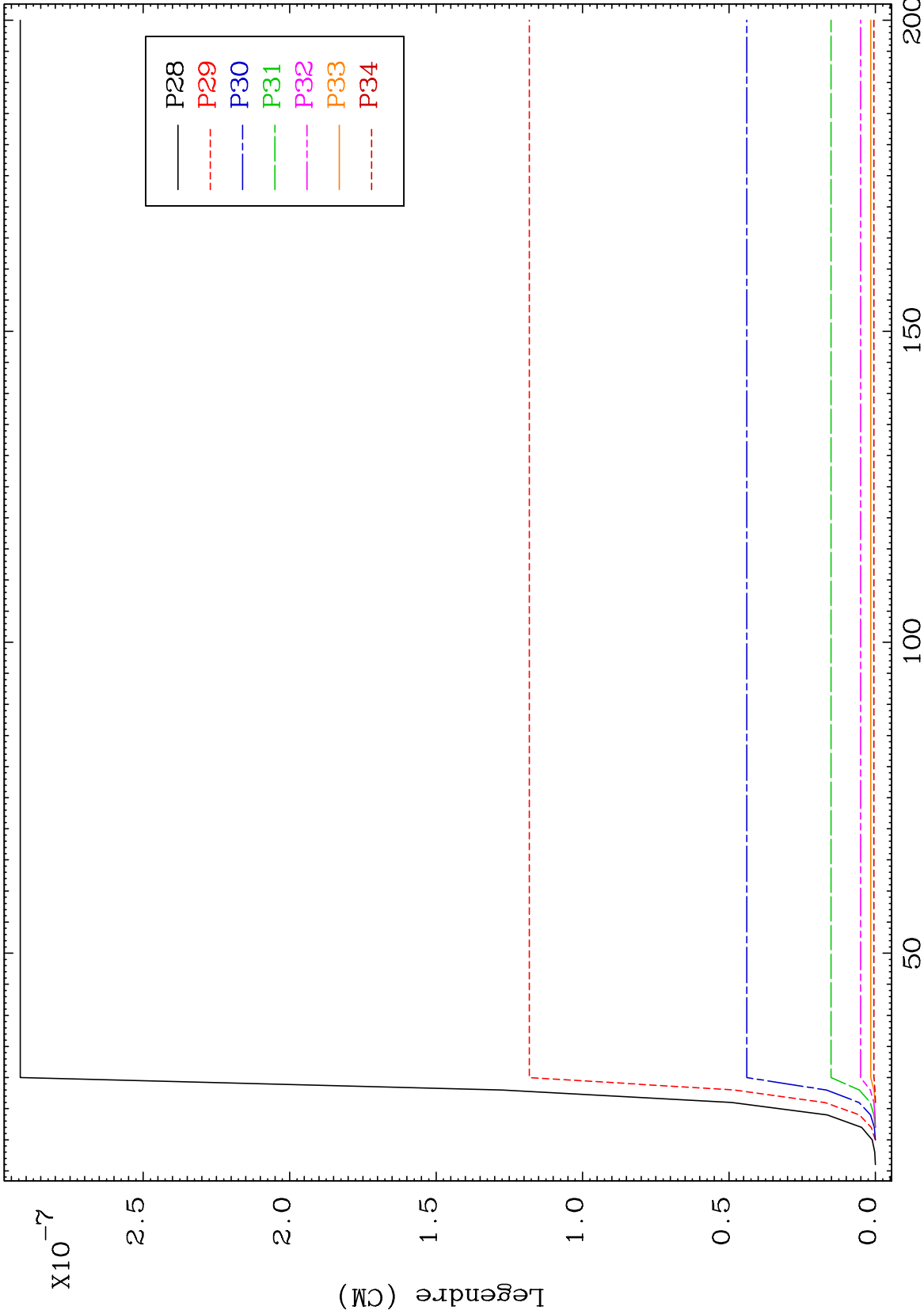
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



27

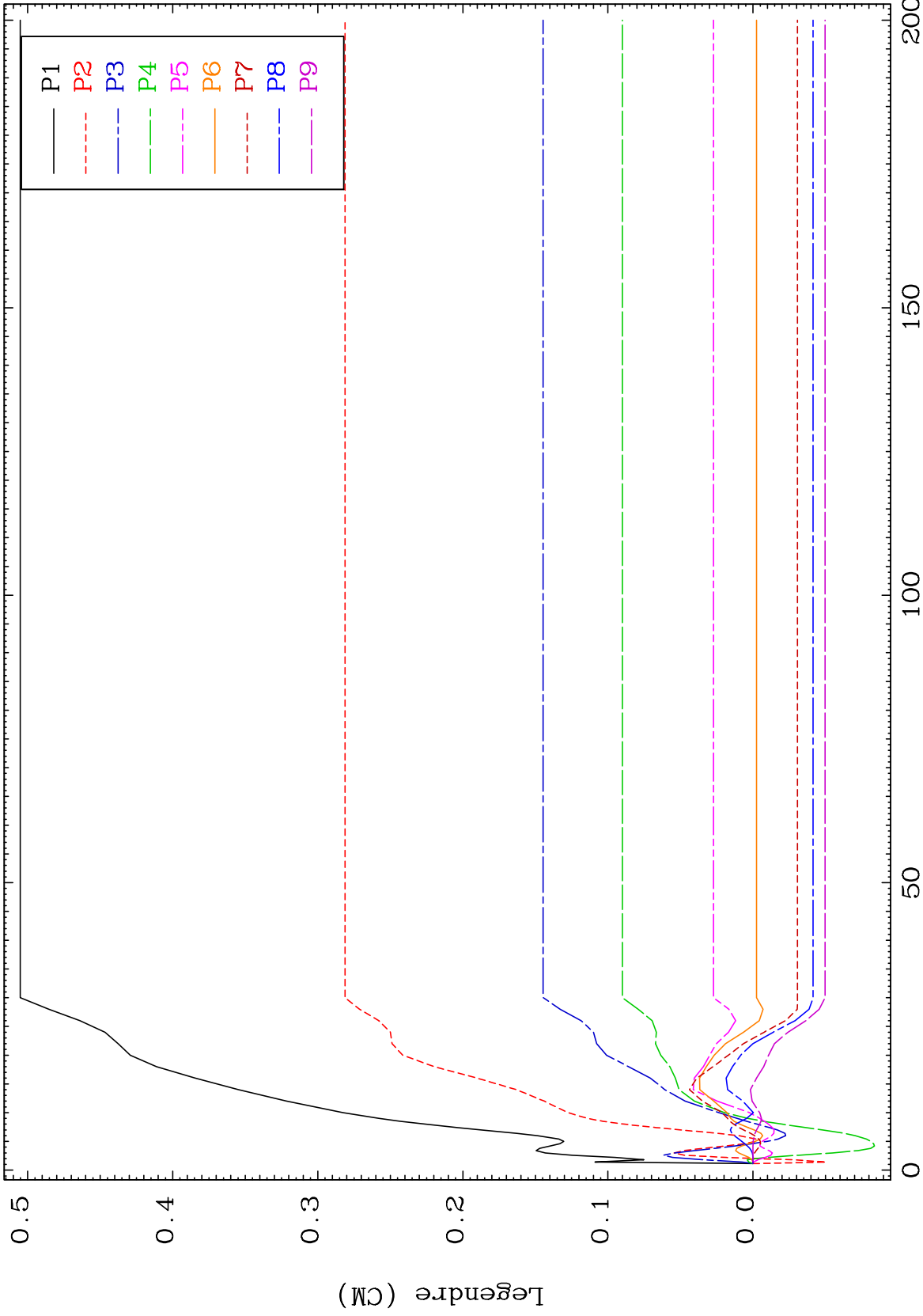
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



28

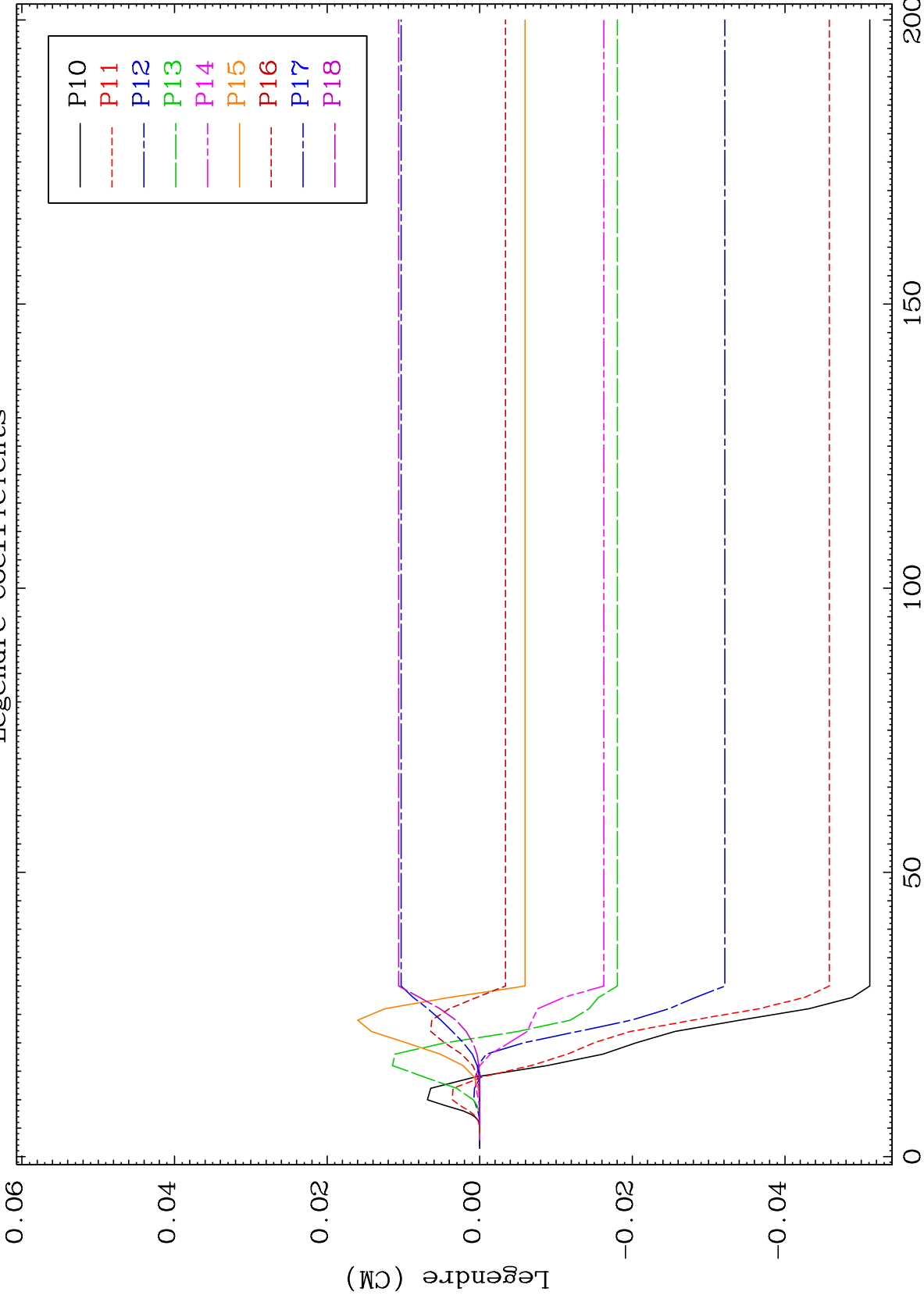
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



29

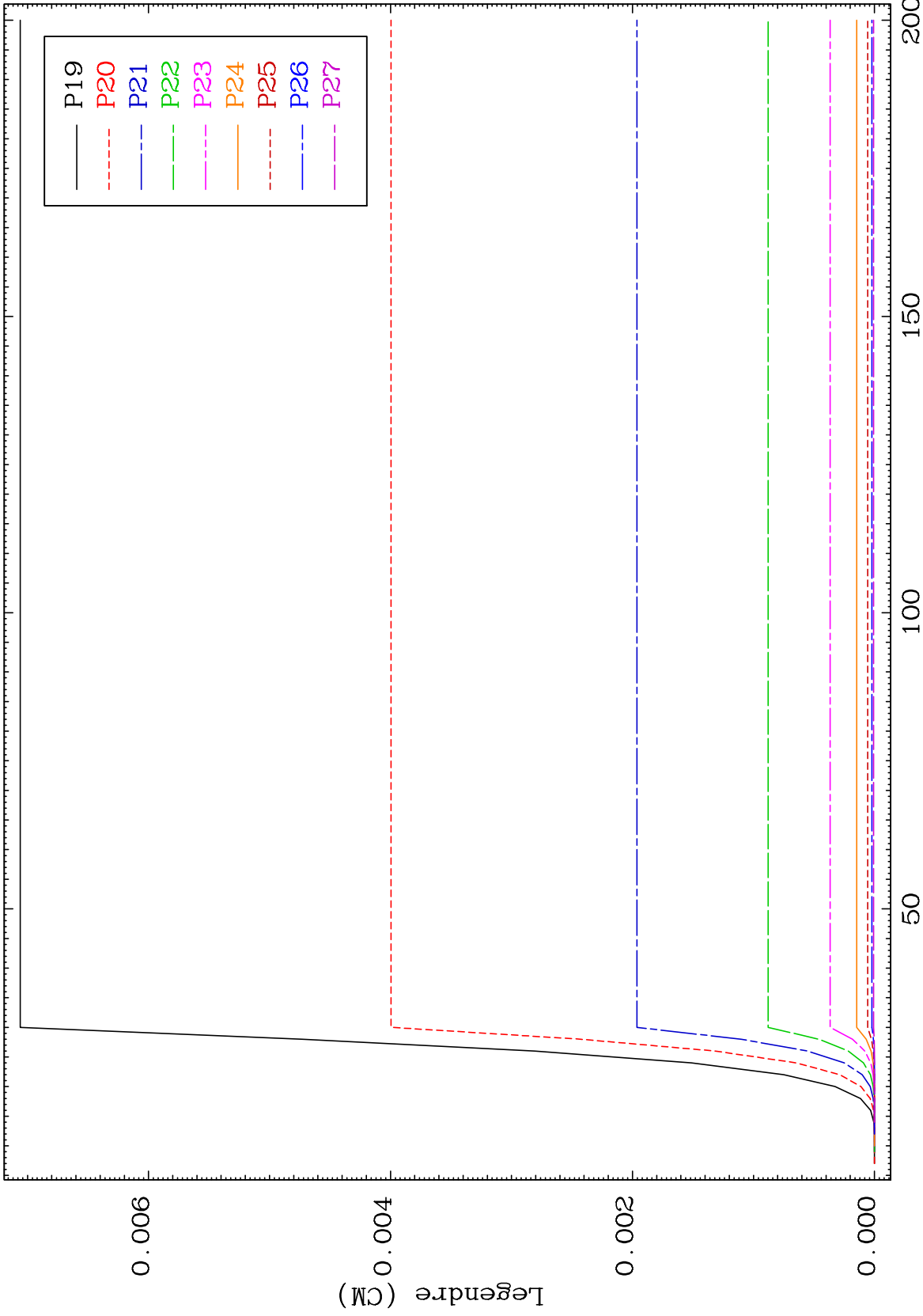
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



30

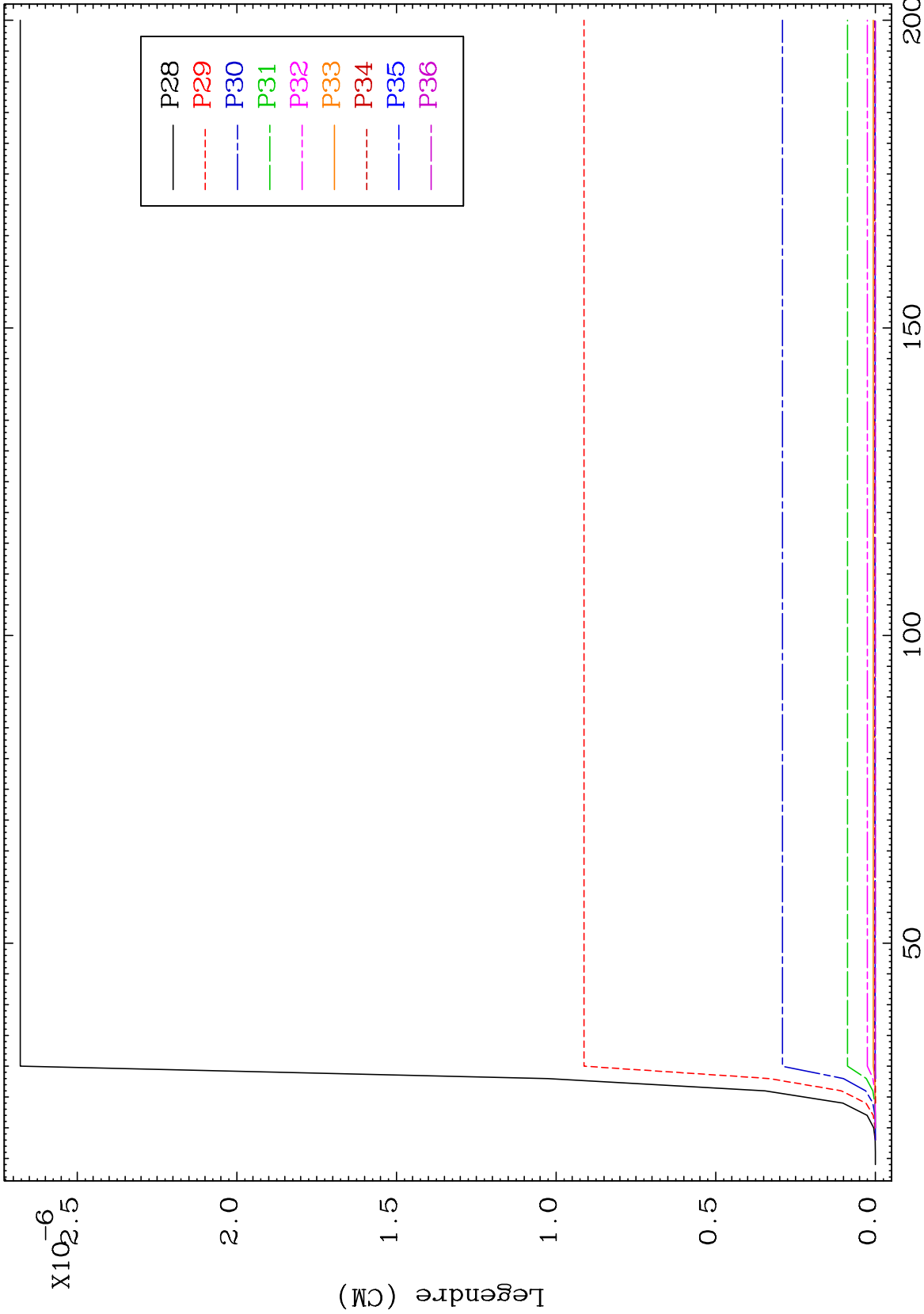
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



31

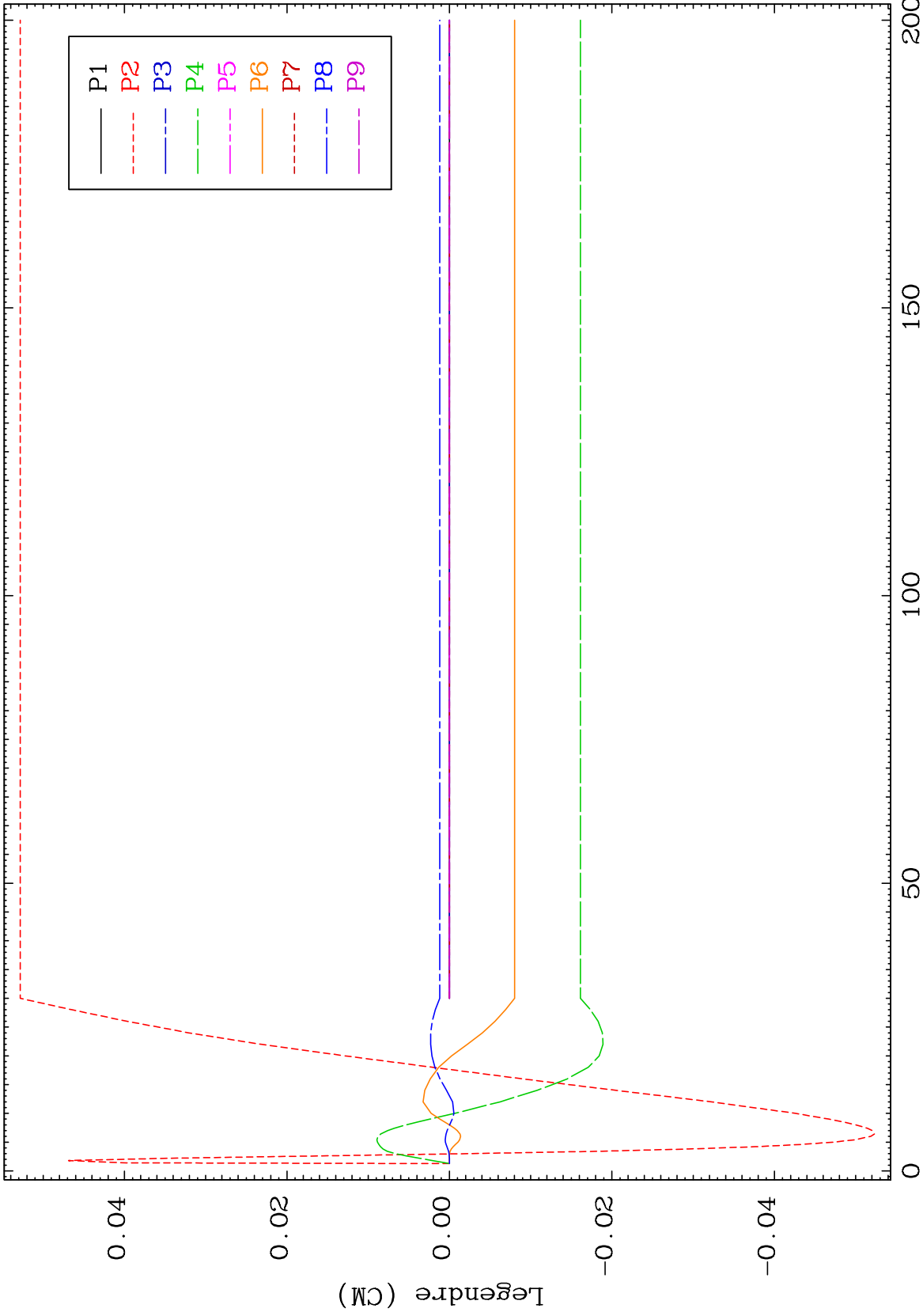
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



32

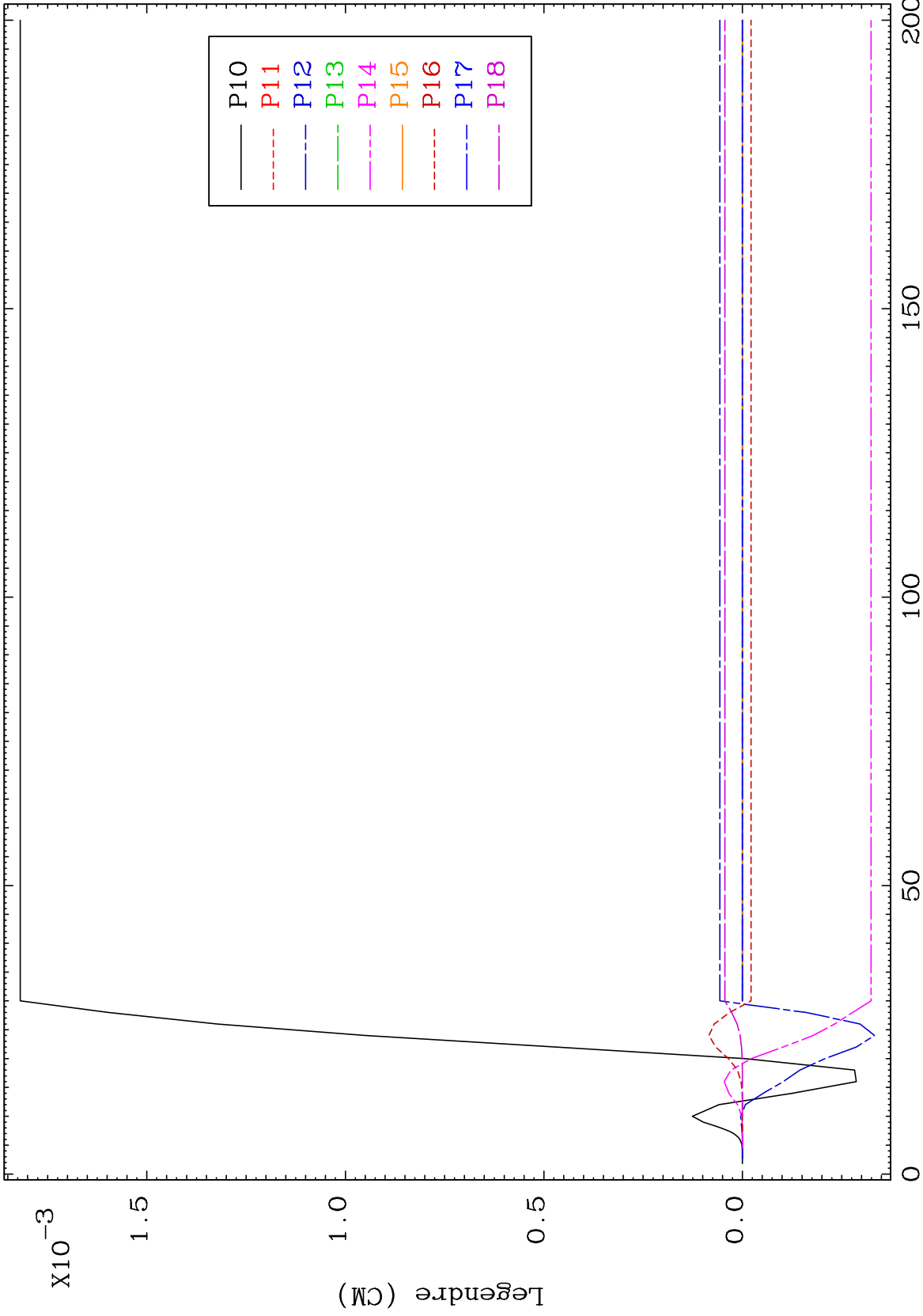
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



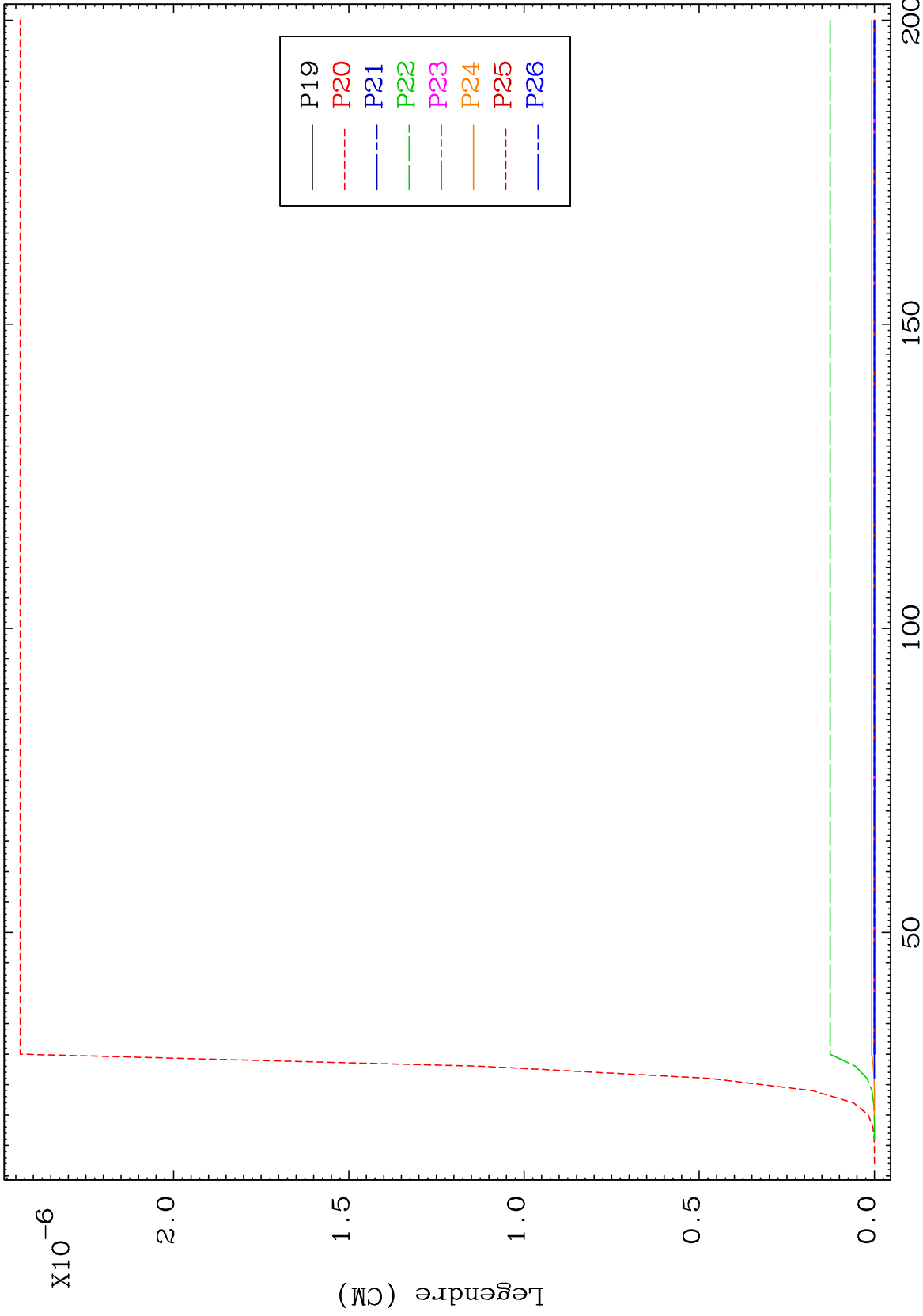
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56-Ba-116

MAT 5583

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

56-Ba-116



34

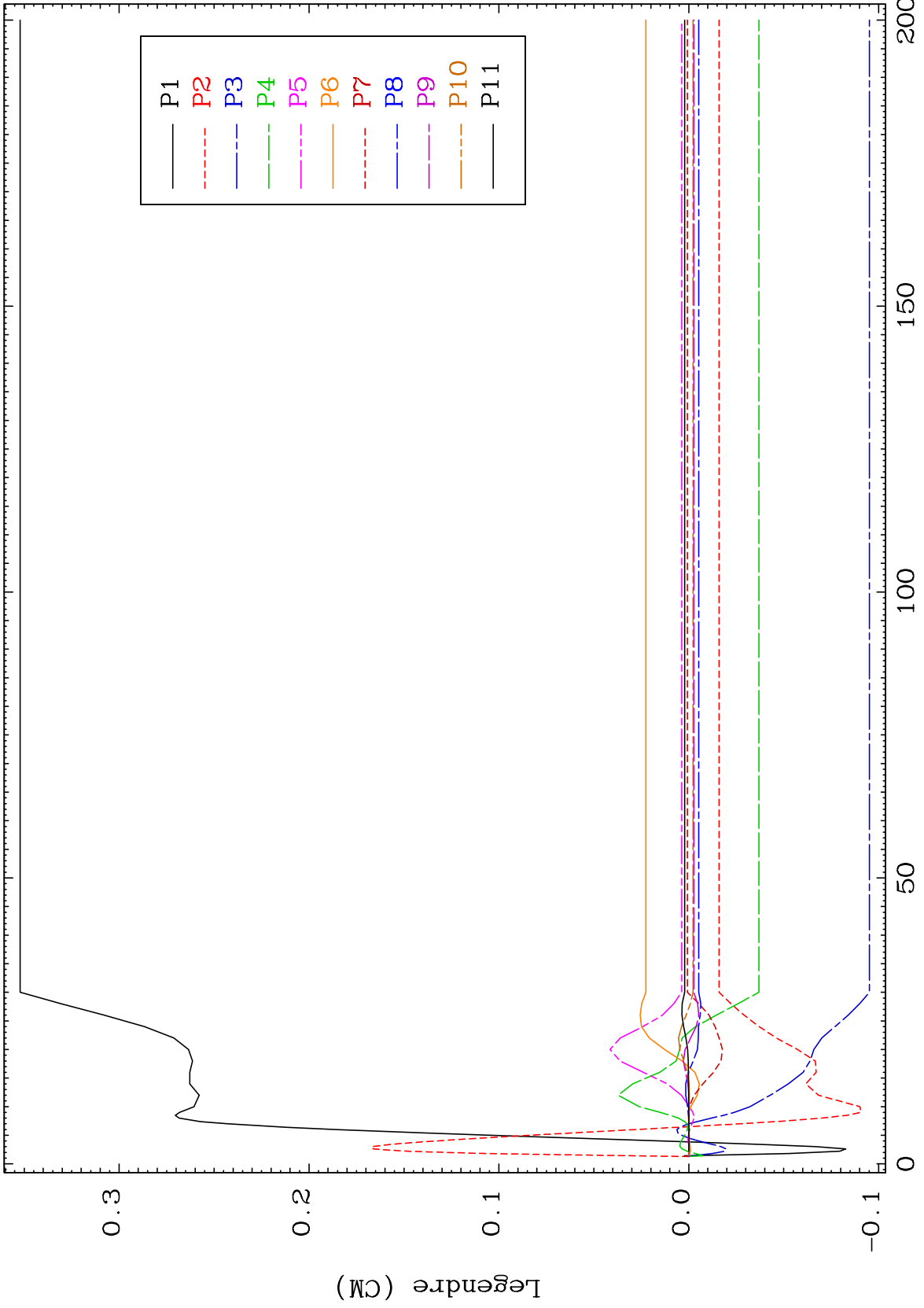
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



56-Ba-116

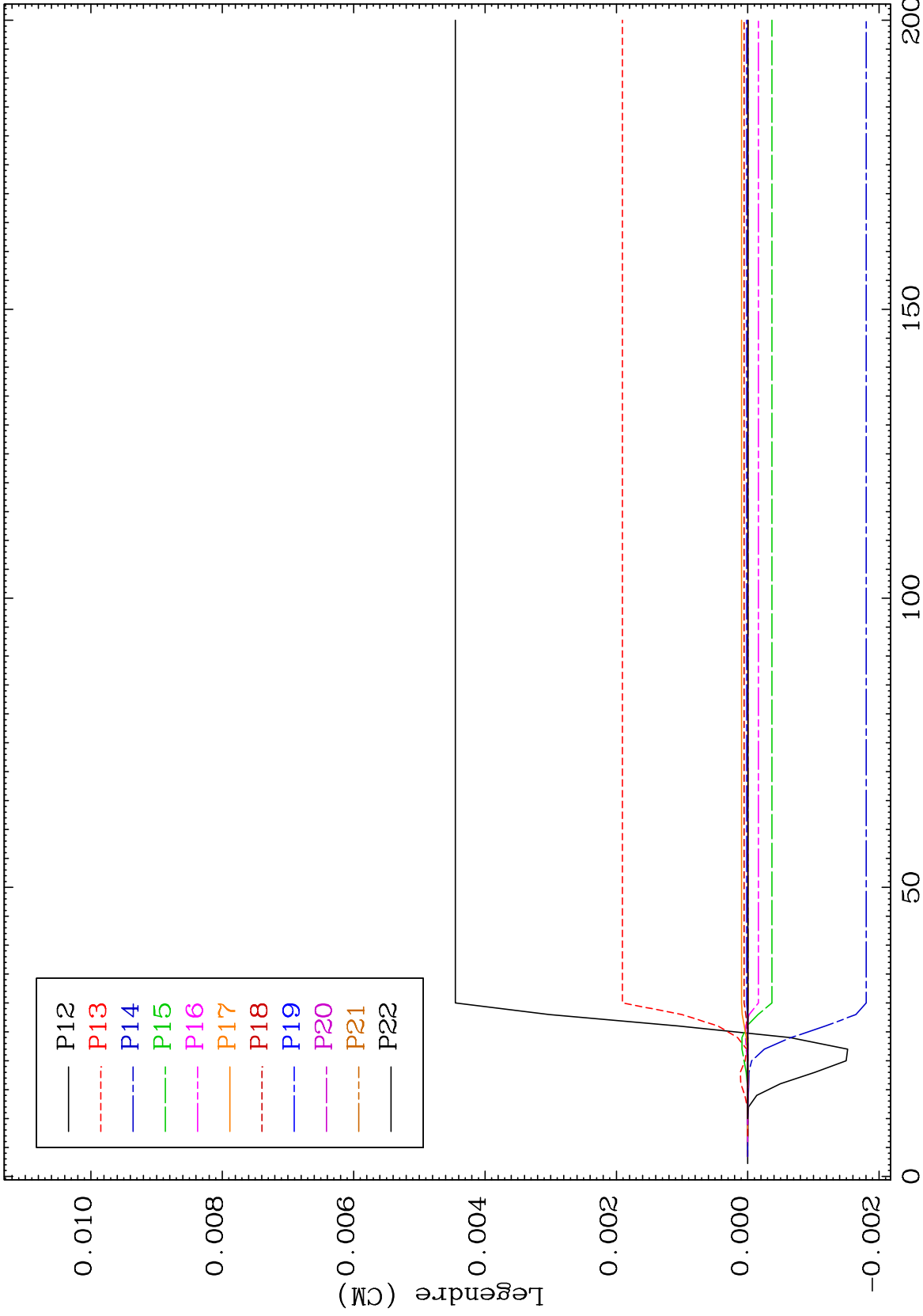
Incident Energy (MeV)

35

MAT 5583

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

56-Ba-116



36

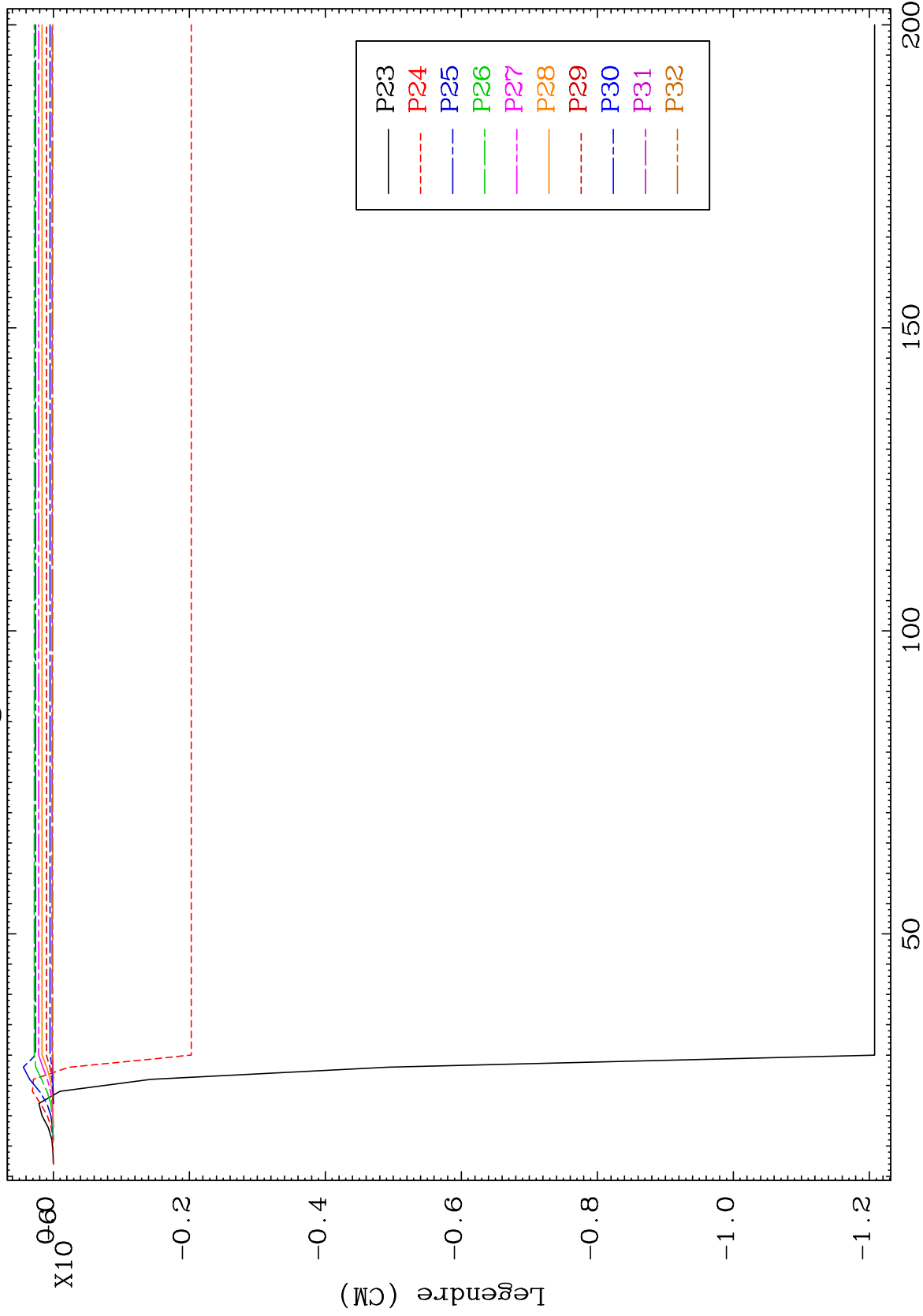
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



37

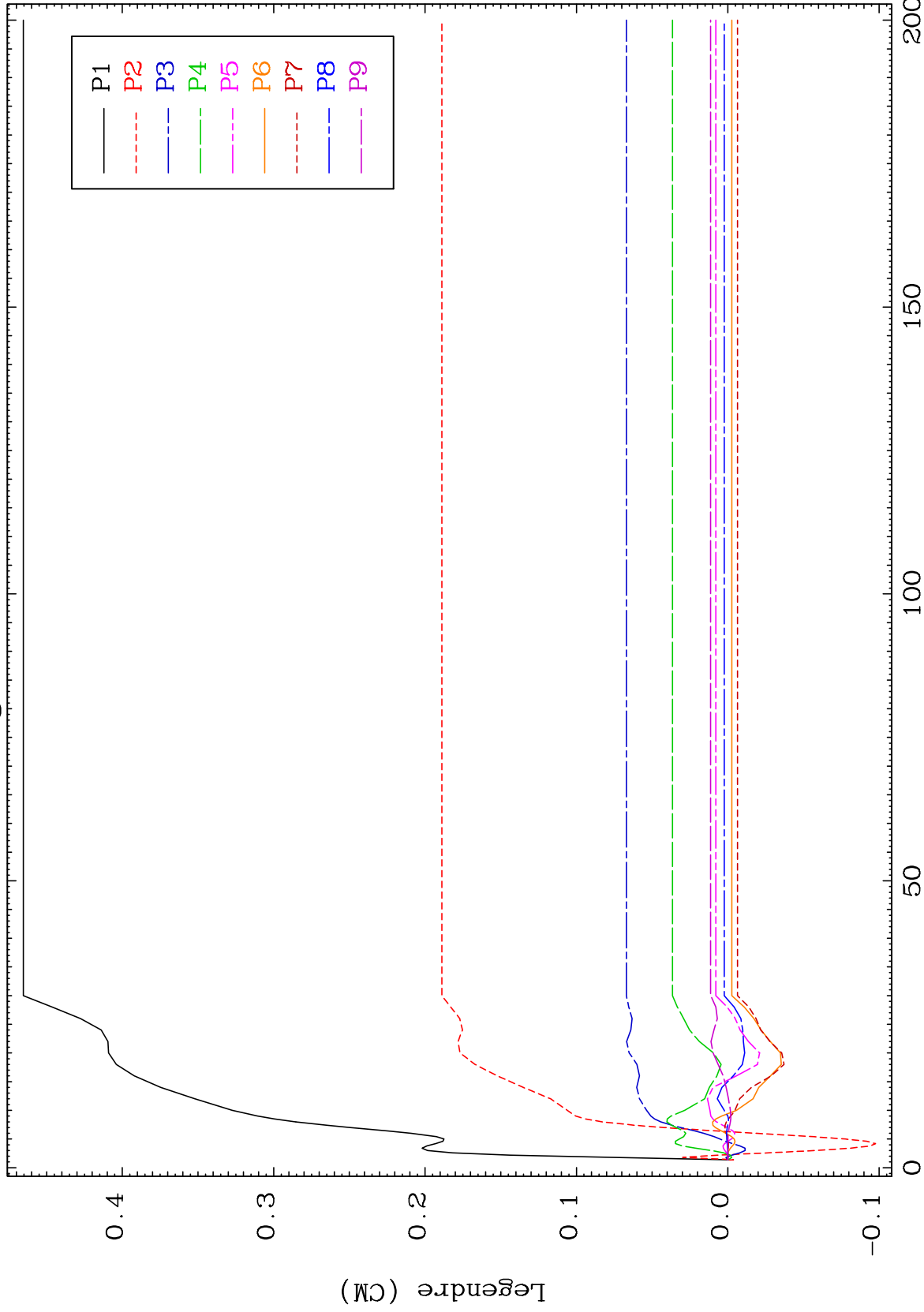
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



38

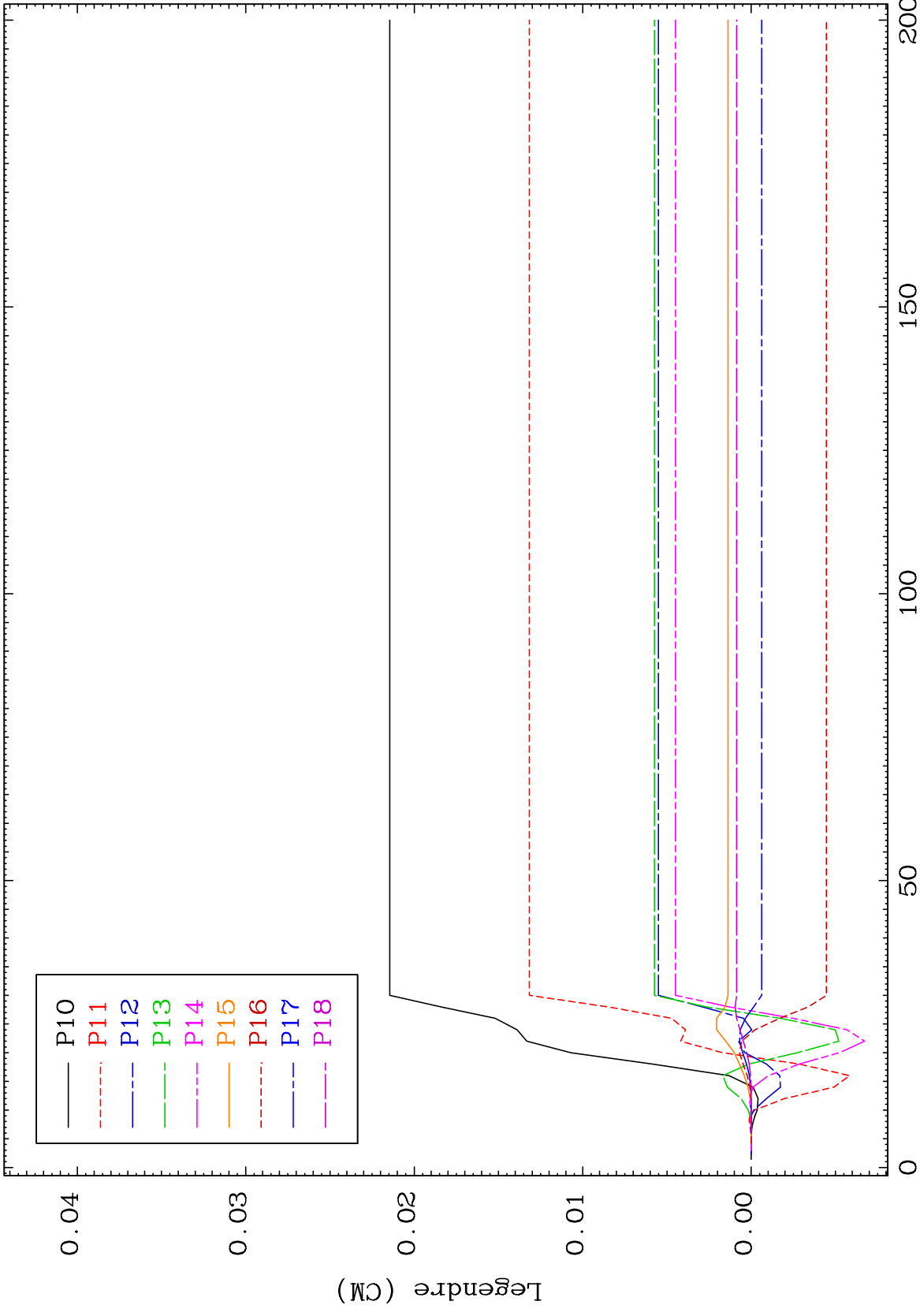
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



39

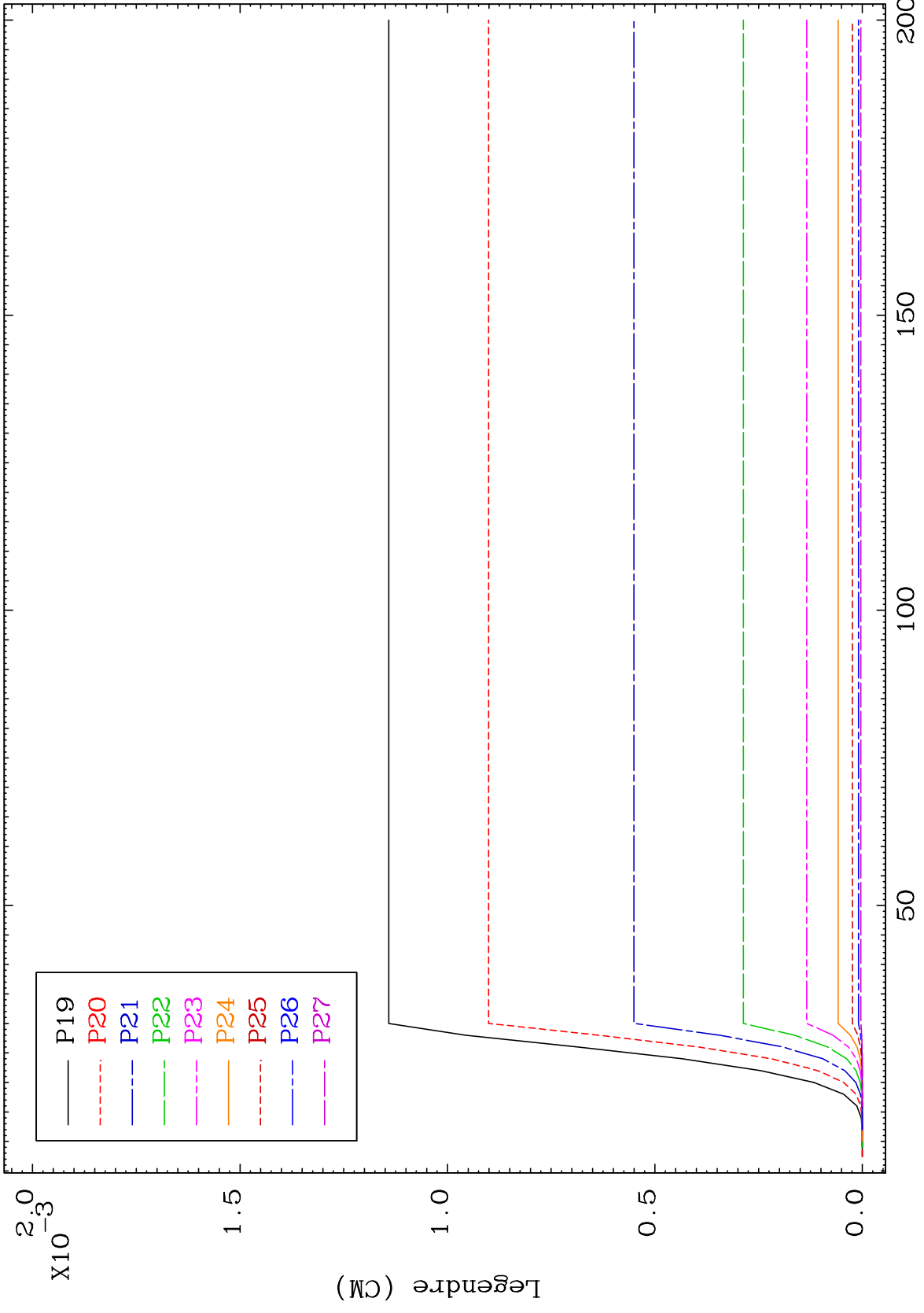
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



40

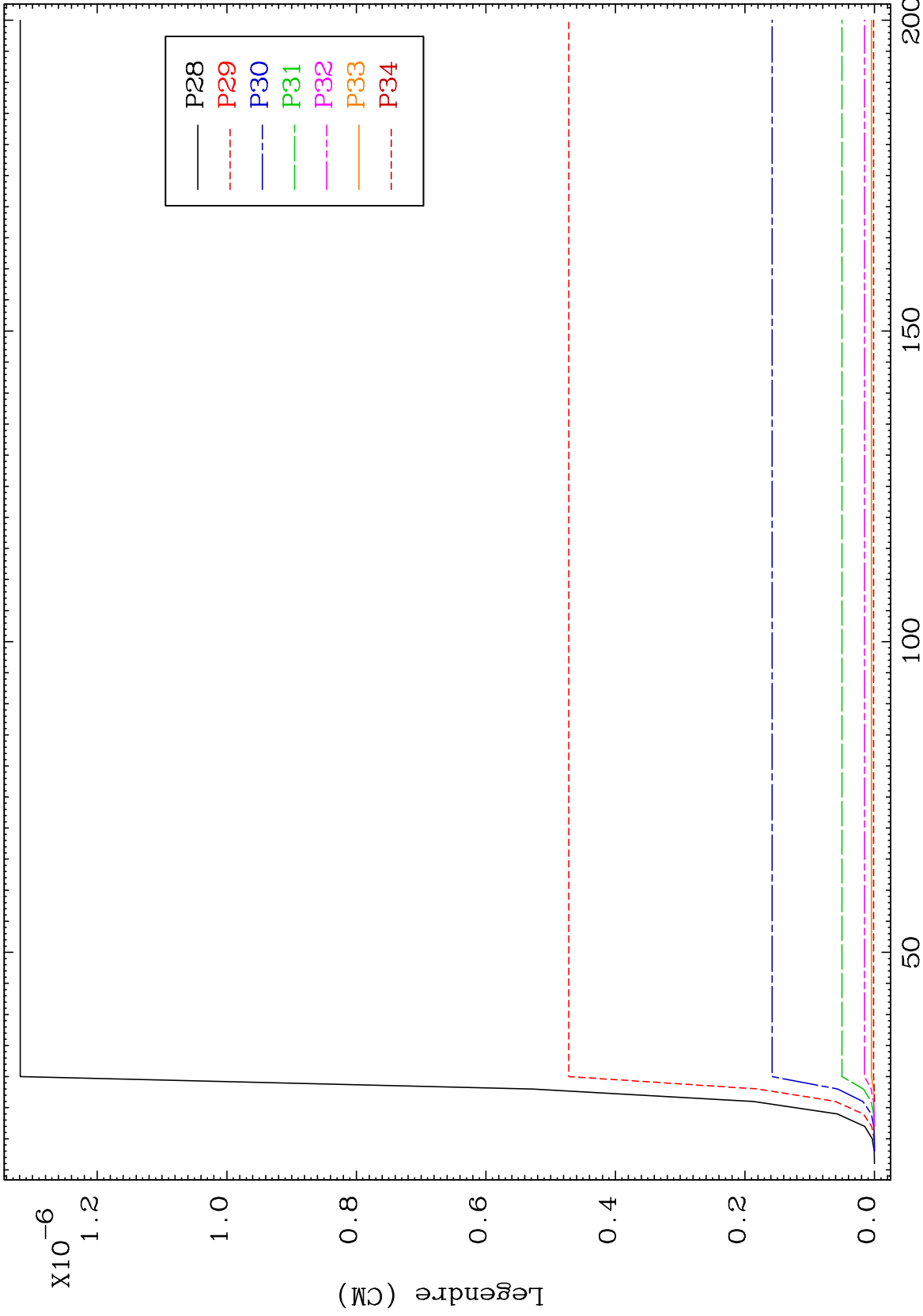
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



41

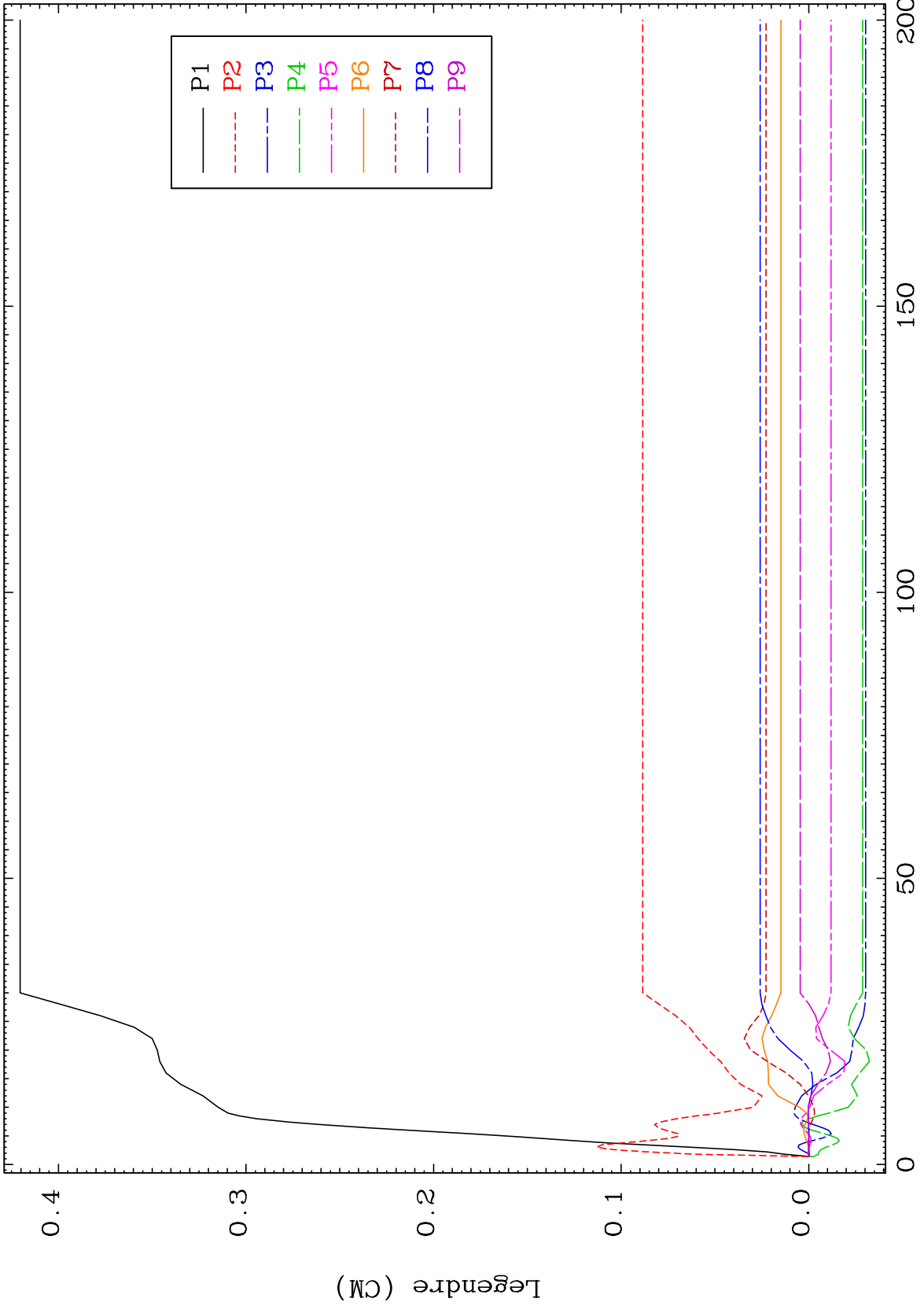
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



42

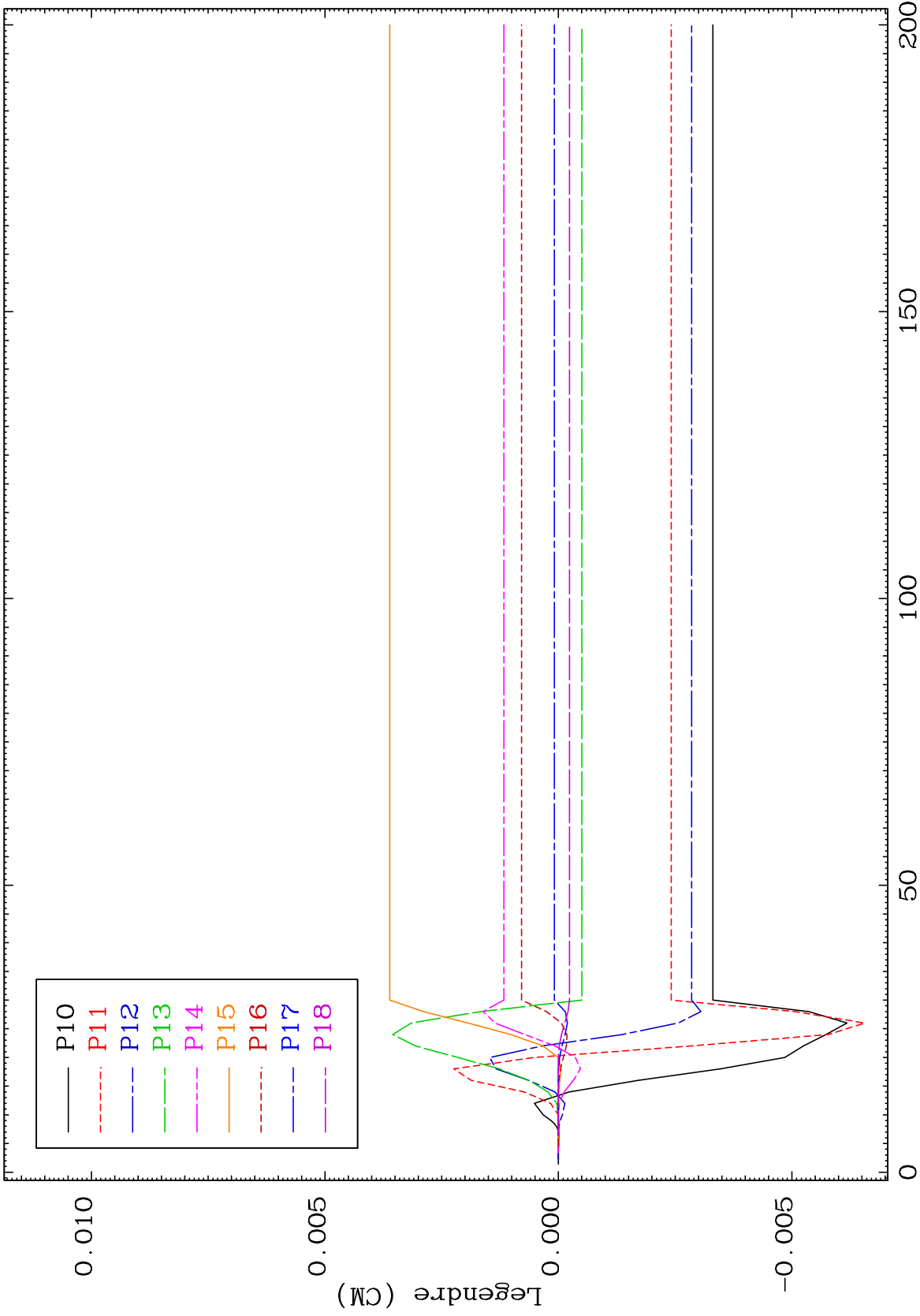
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



43

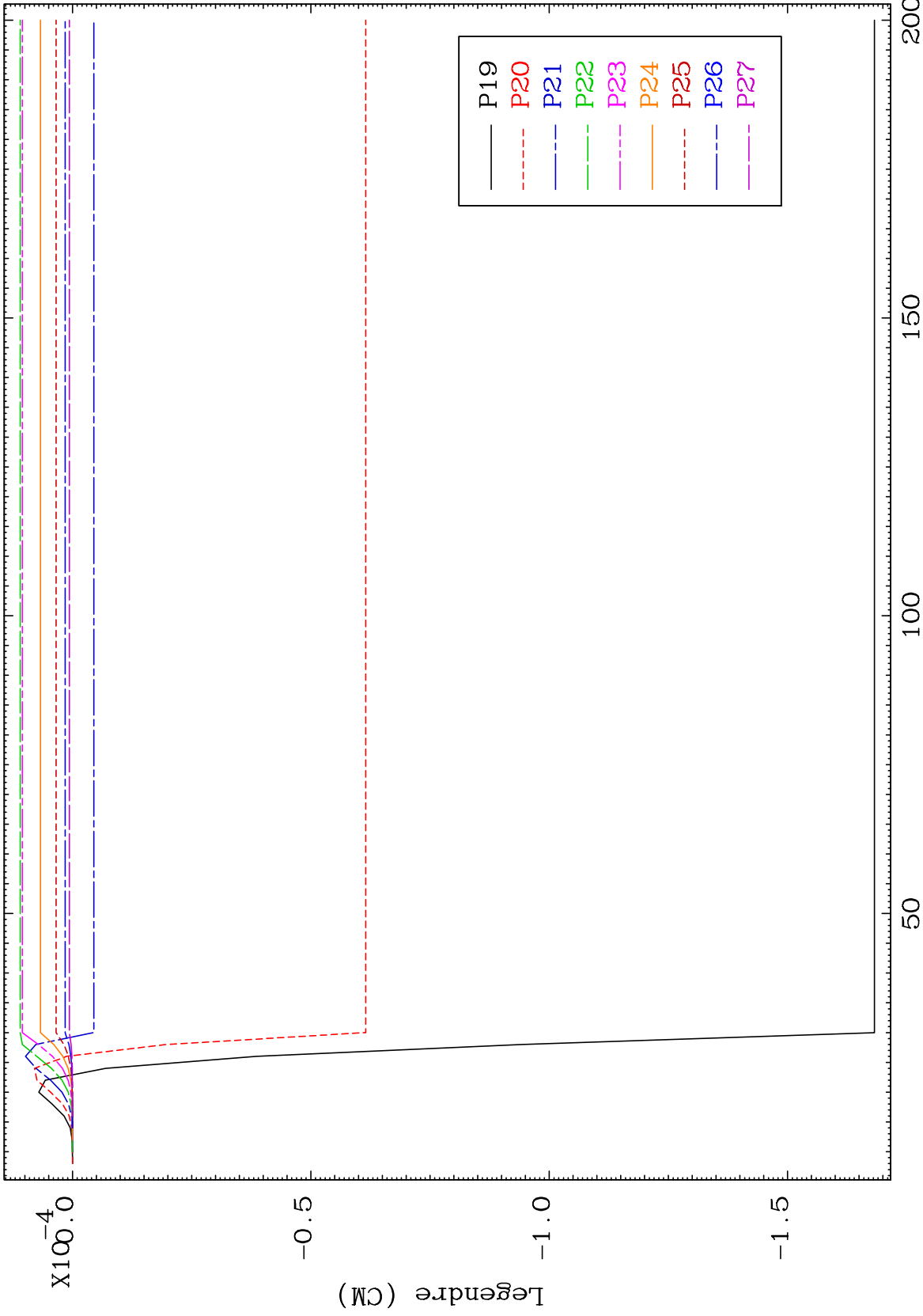
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



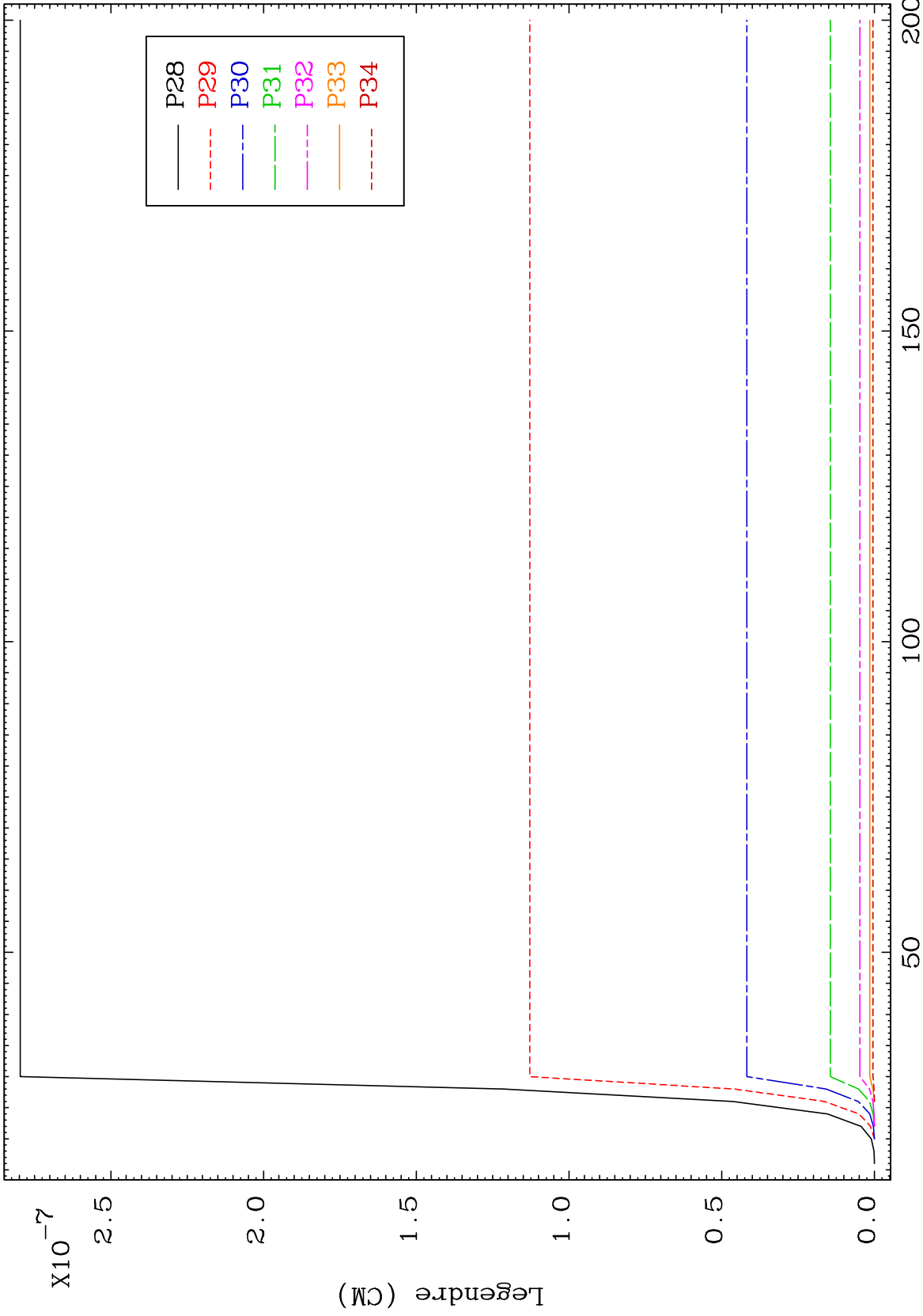
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56-Ba-116

MAT 5583

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

56-Ba-116

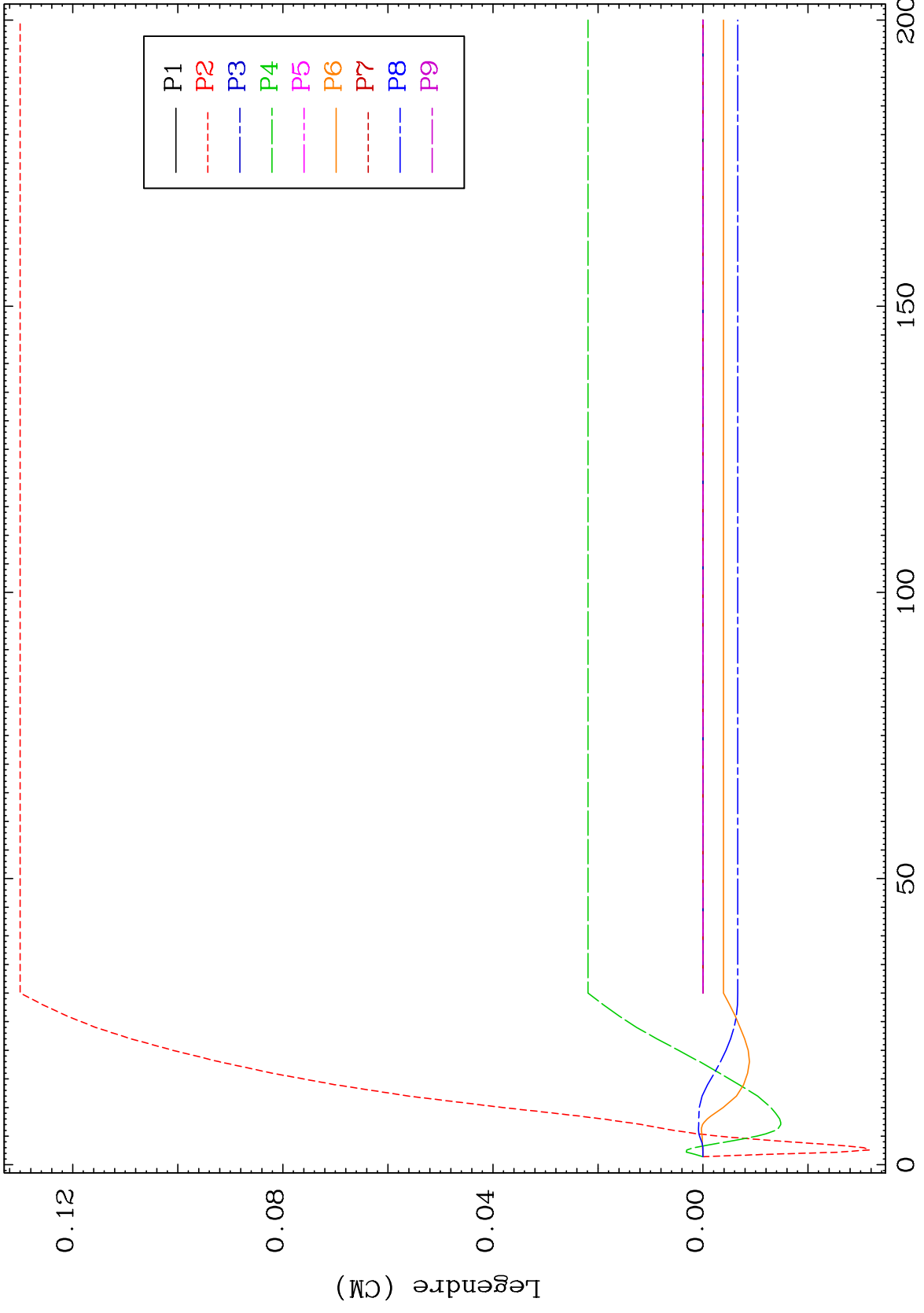


45

Incident Energy (MeV)

56-Ba-116

MAT 5583 MT= 58 (n,n') Level Legendre Coefficients 56-Ba-116

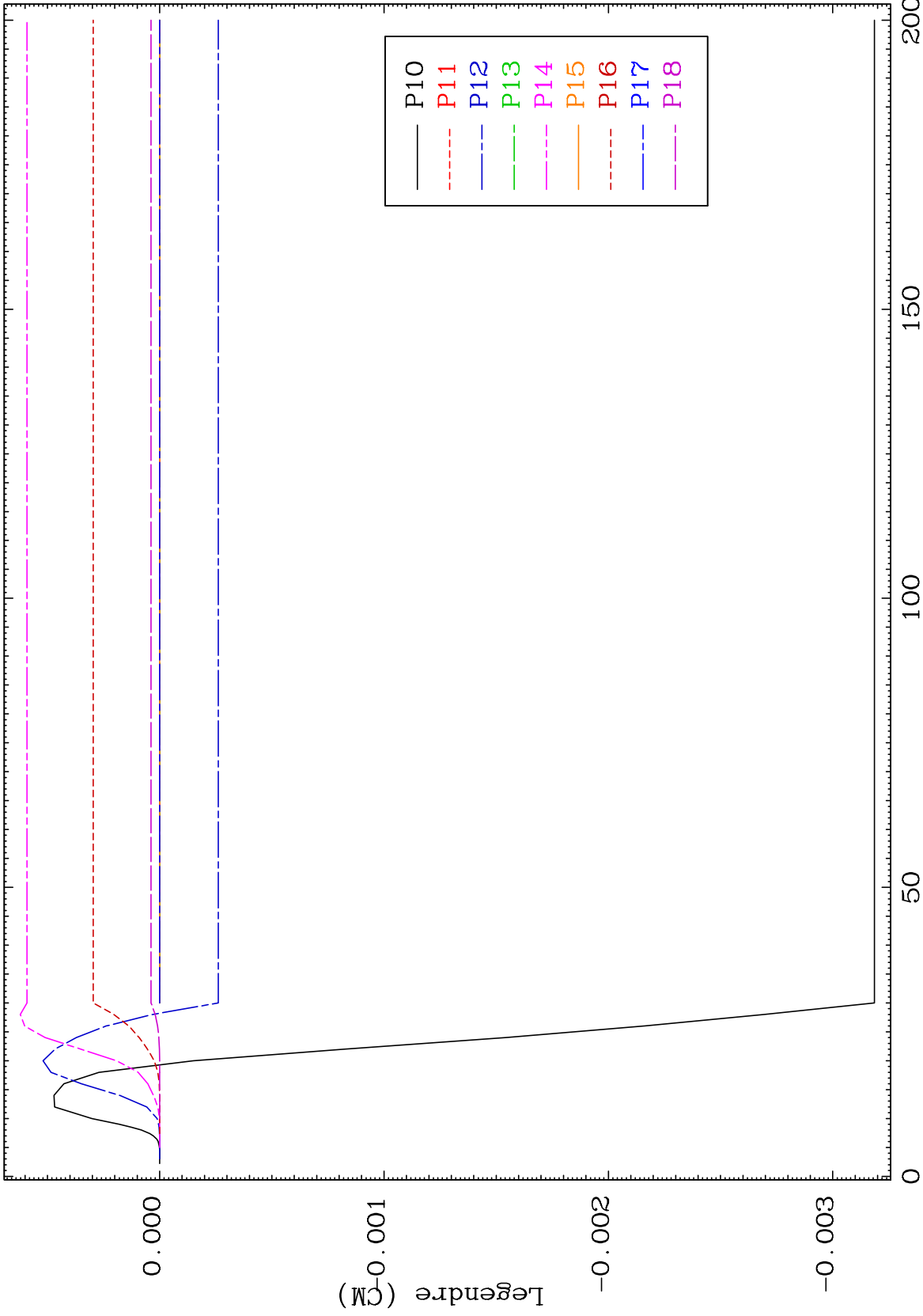


46 56-Ba-116

MAT 5583

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

56-Ba-116



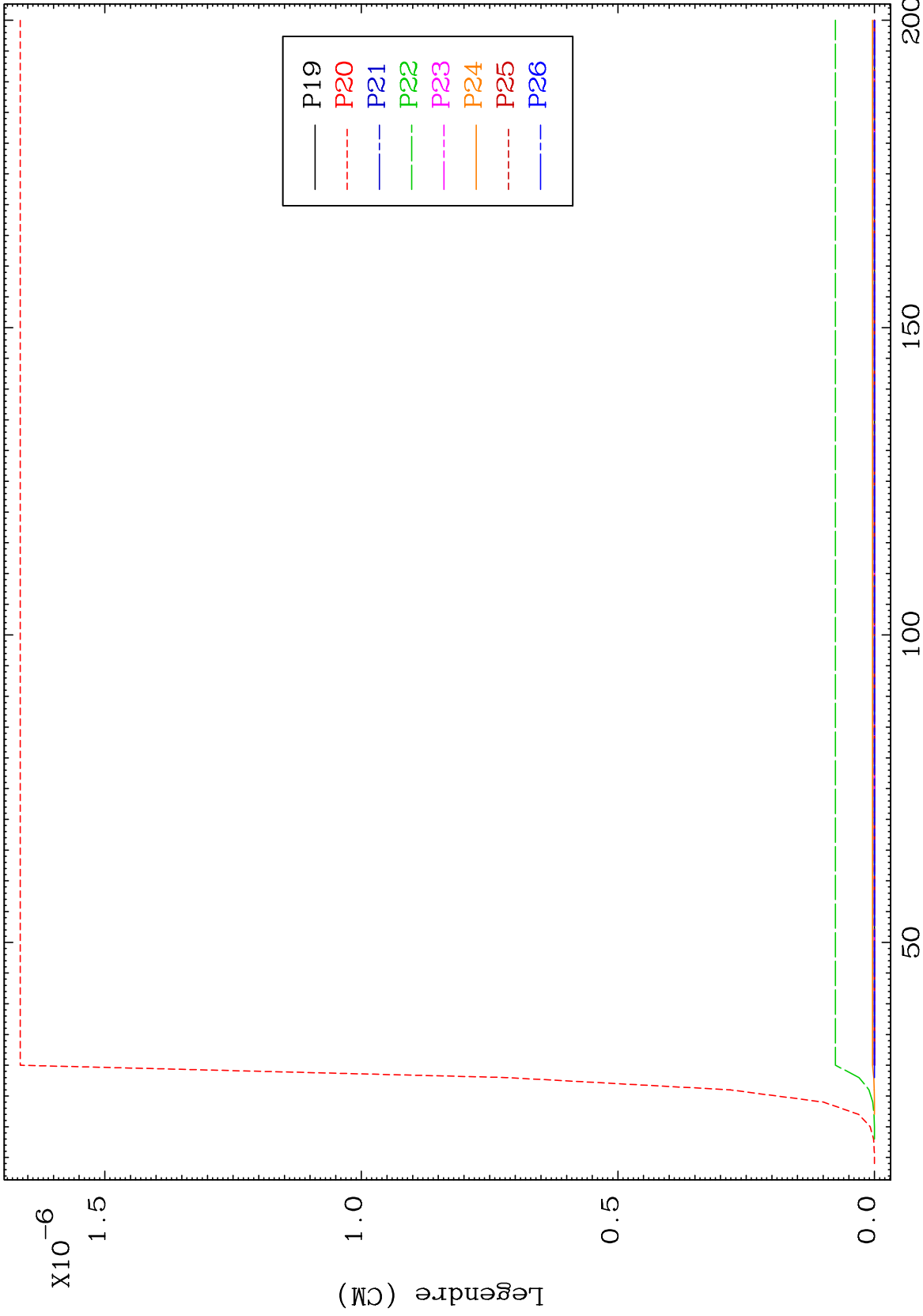
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56-Ba-116

MAT 5583

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

56-Ba-116

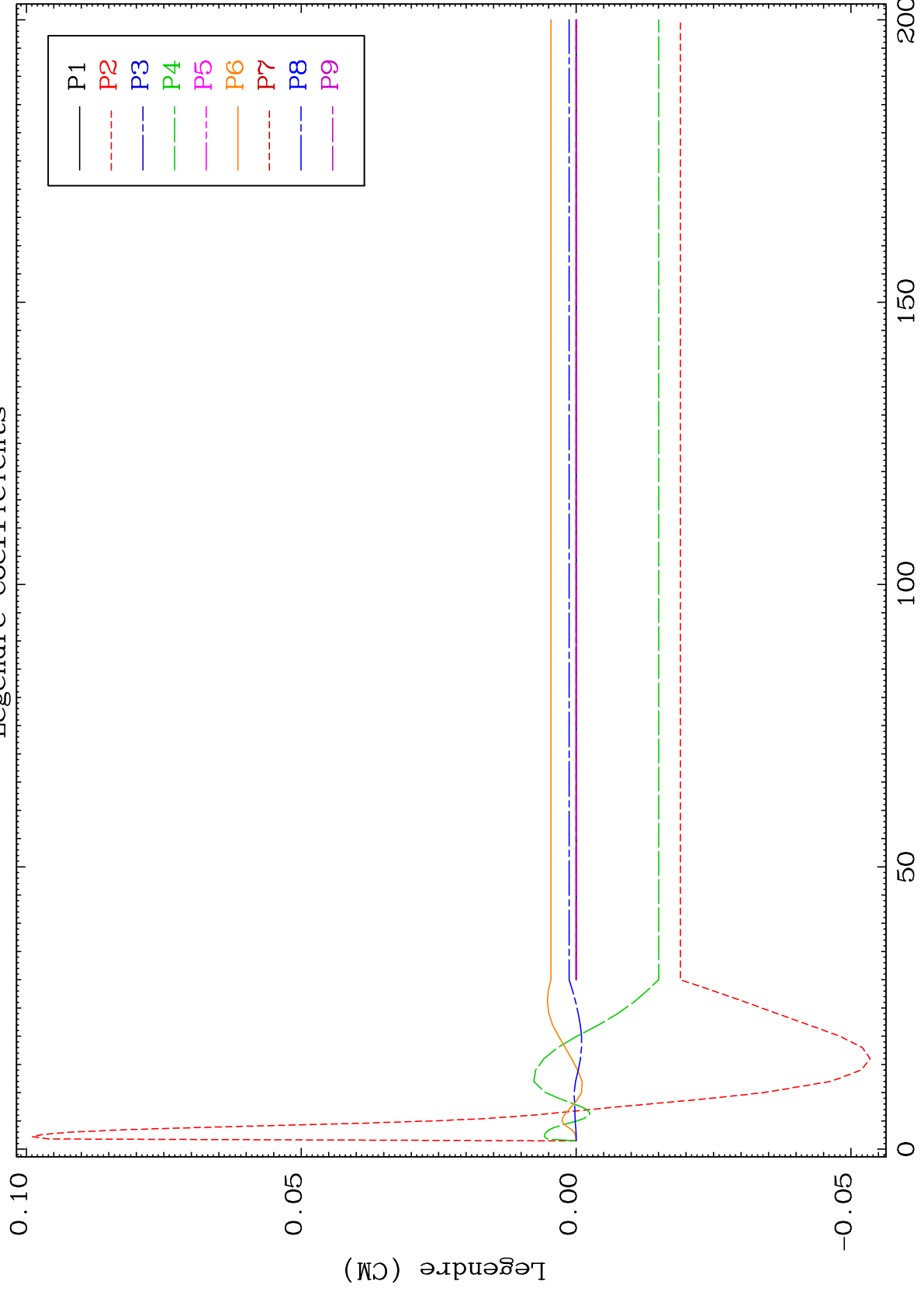


48

Incident Energy (MeV)

56-Ba-116

MAT 5583 MT= 59 (n,n') Level Legendre Coefficients 56-Ba-116

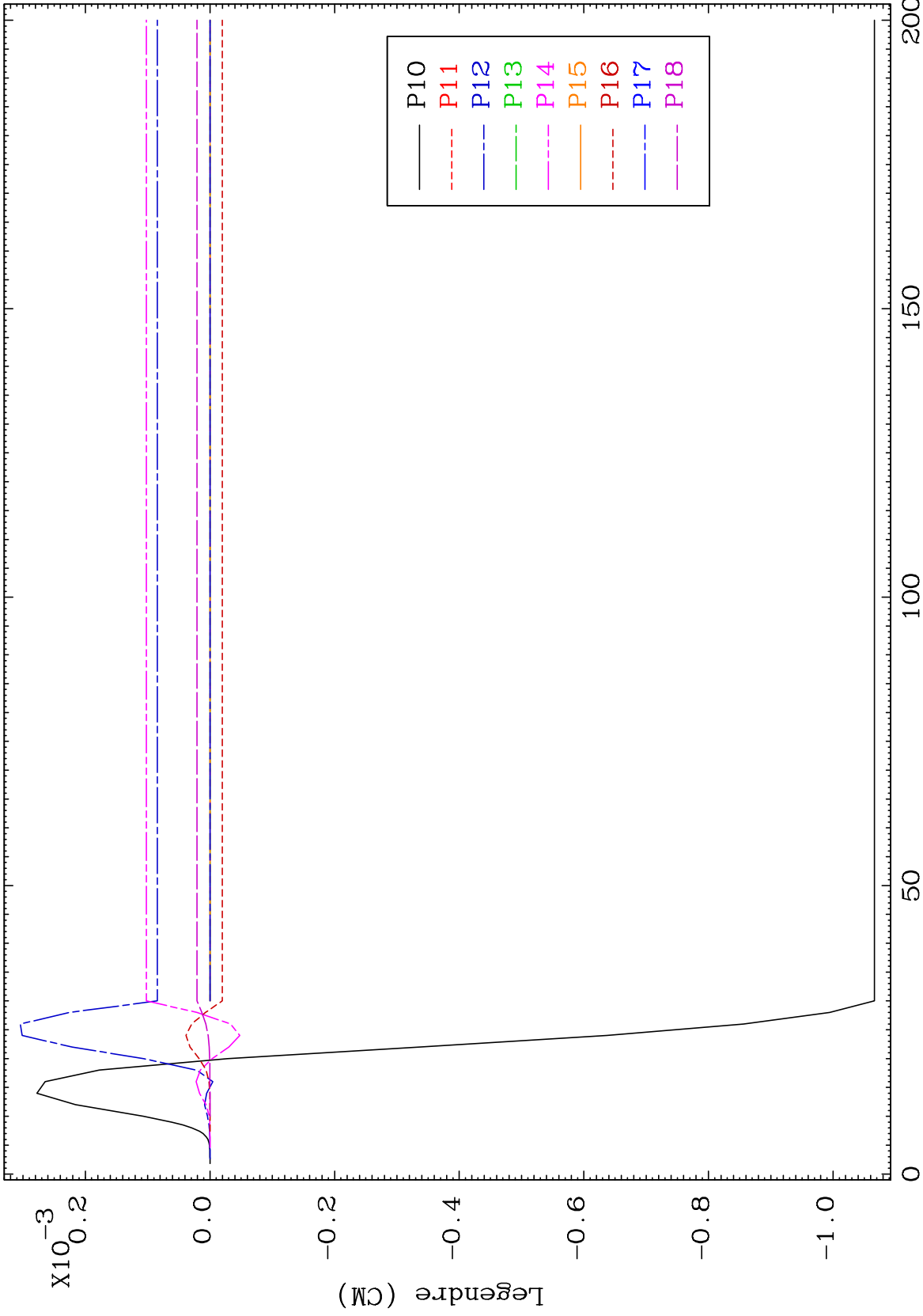


49 56-Ba-116

MAT 5583

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

56-Ba-116



50

Incident Energy (MeV)

100

150

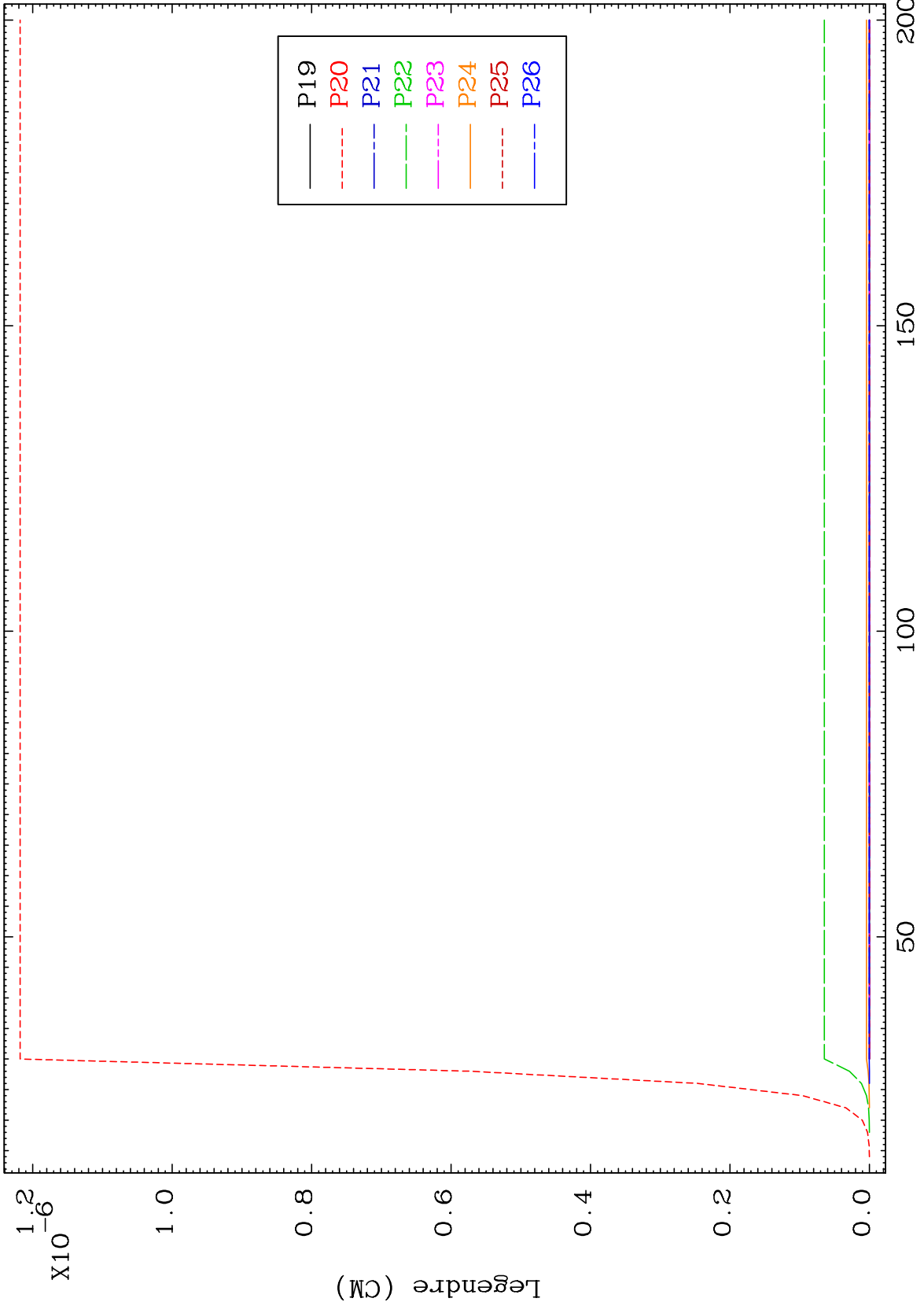
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56-Ba-116

MAT 5583

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

56-Ba-116



51

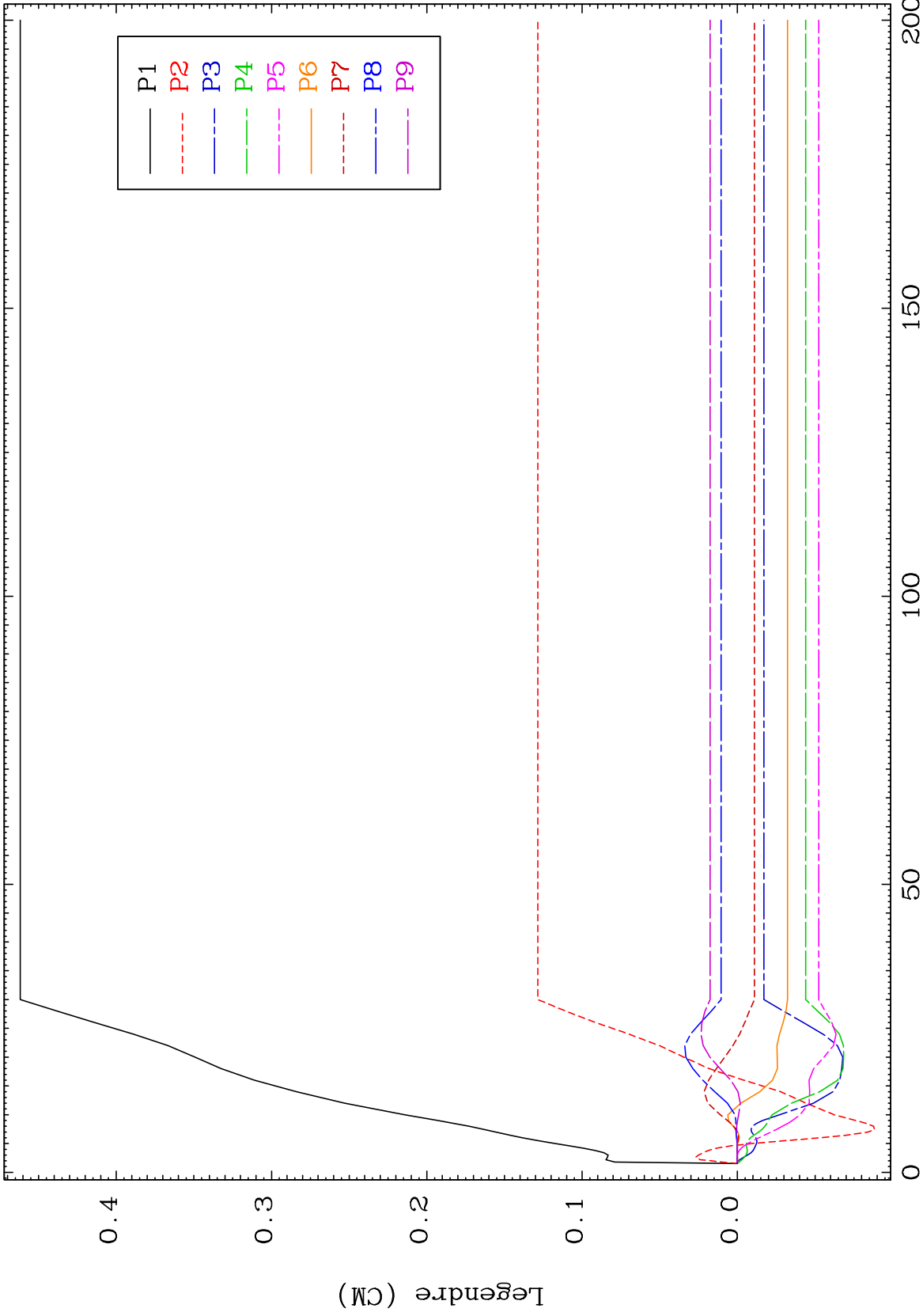
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



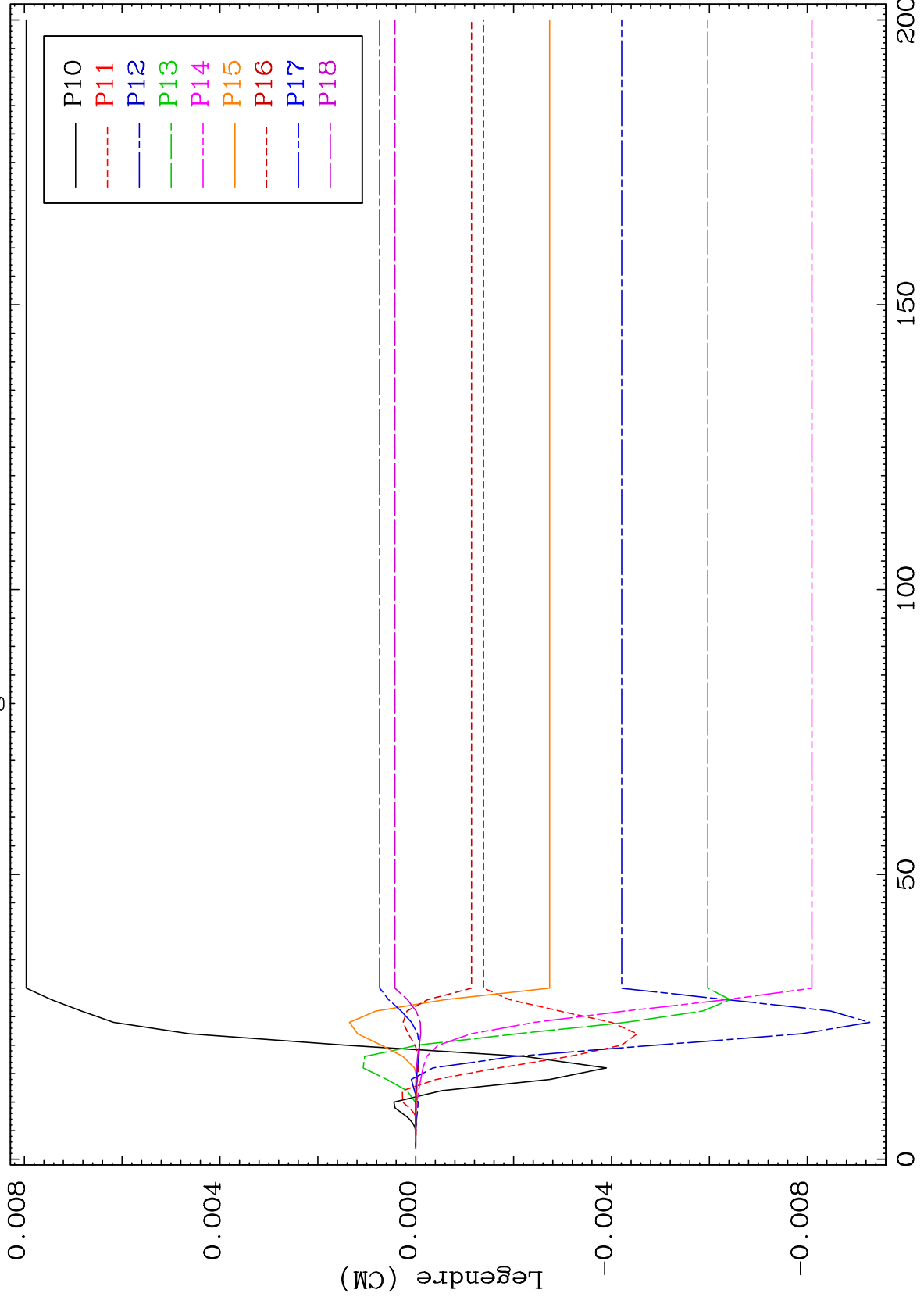
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56-Ba-116

MAT 5583

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

56-Ba-116



53

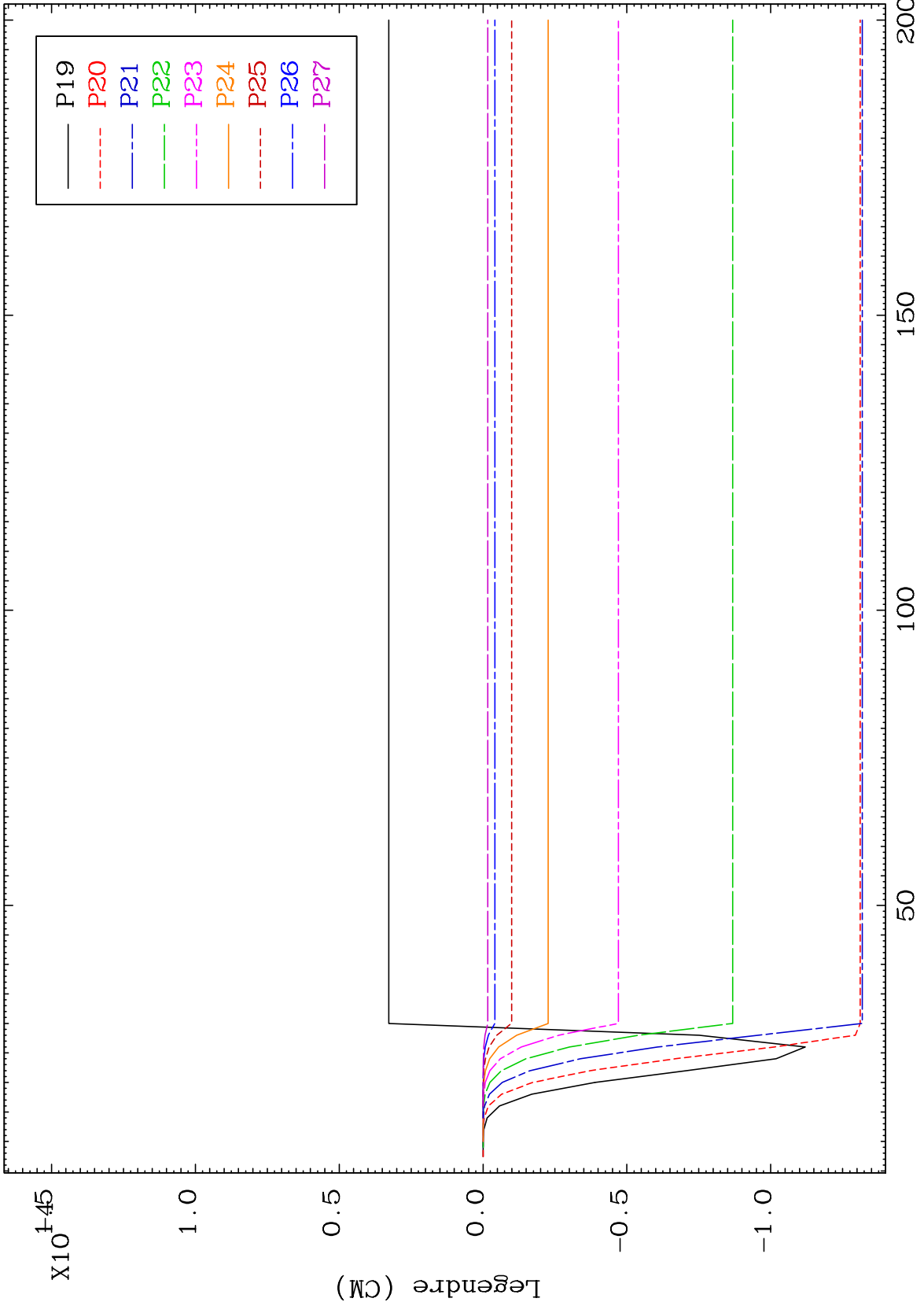
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



54

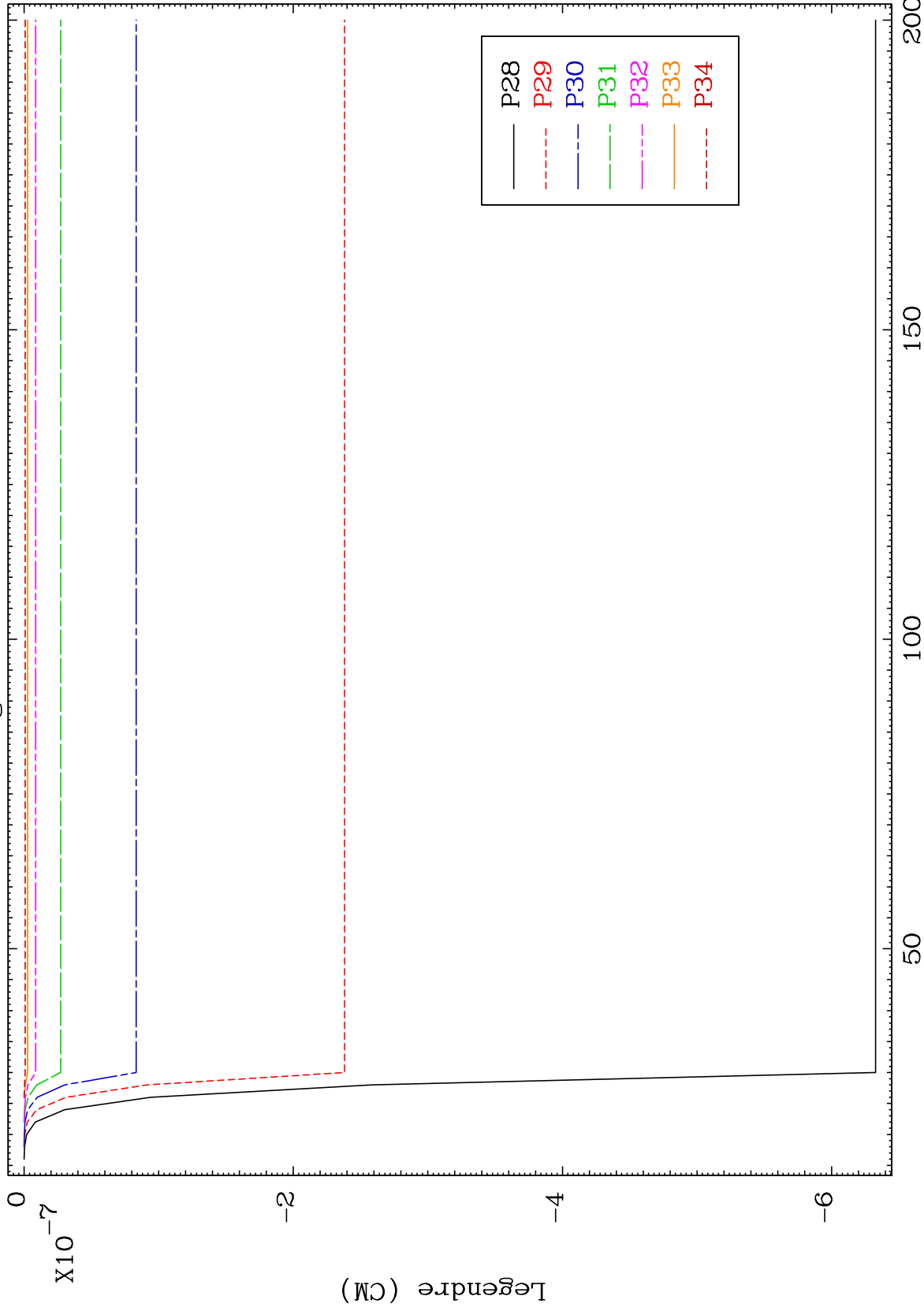
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



55

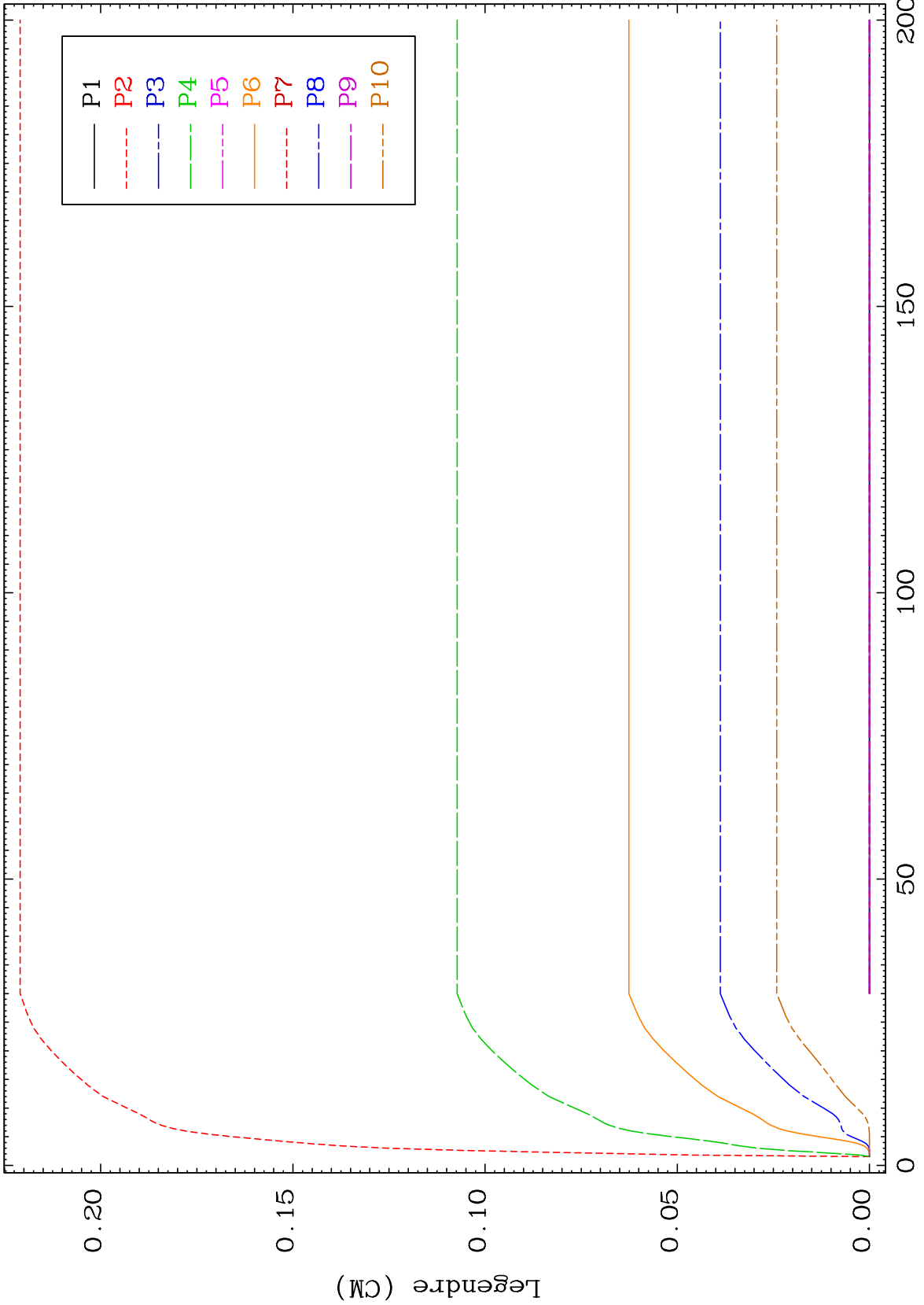
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



56

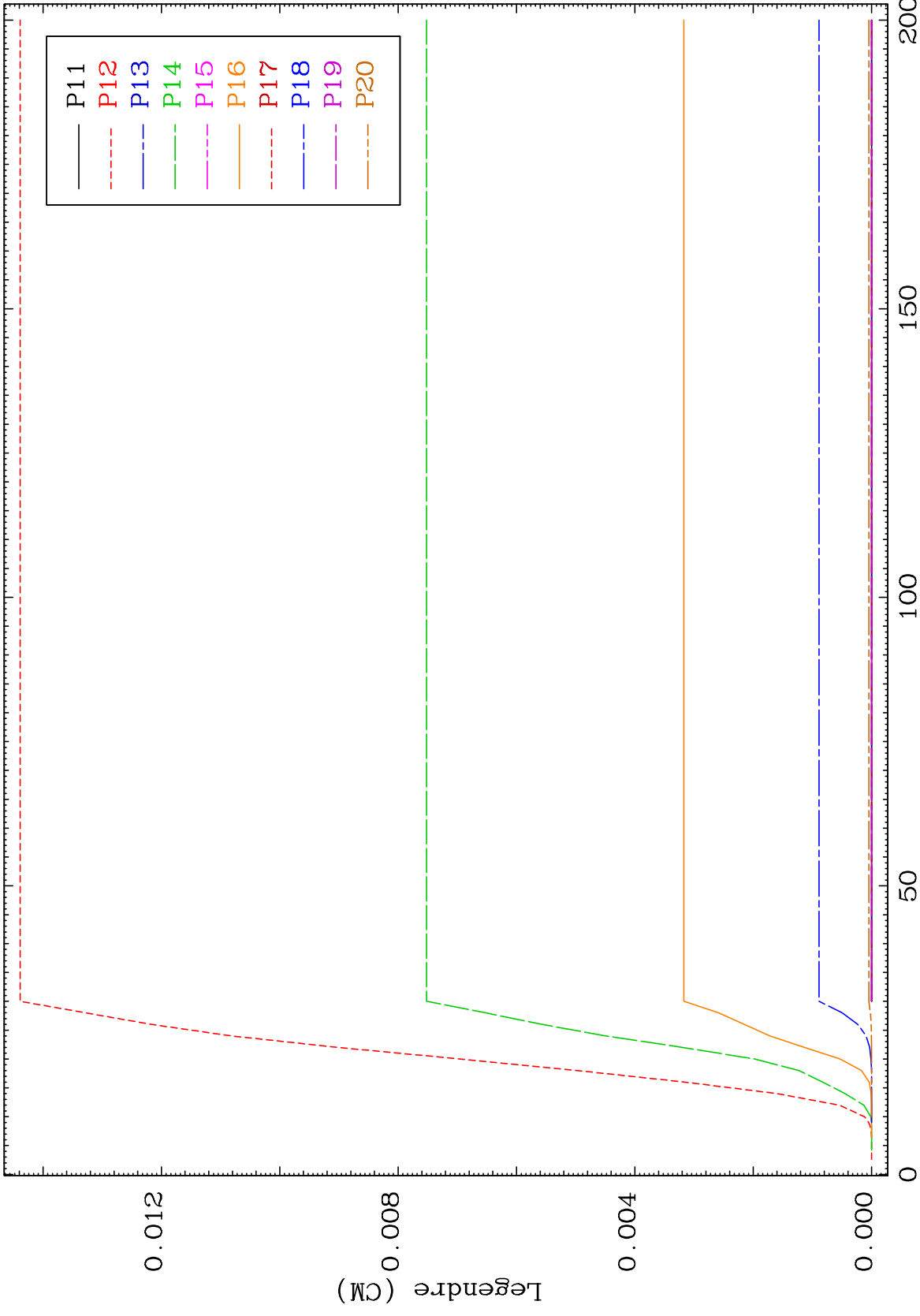
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



57

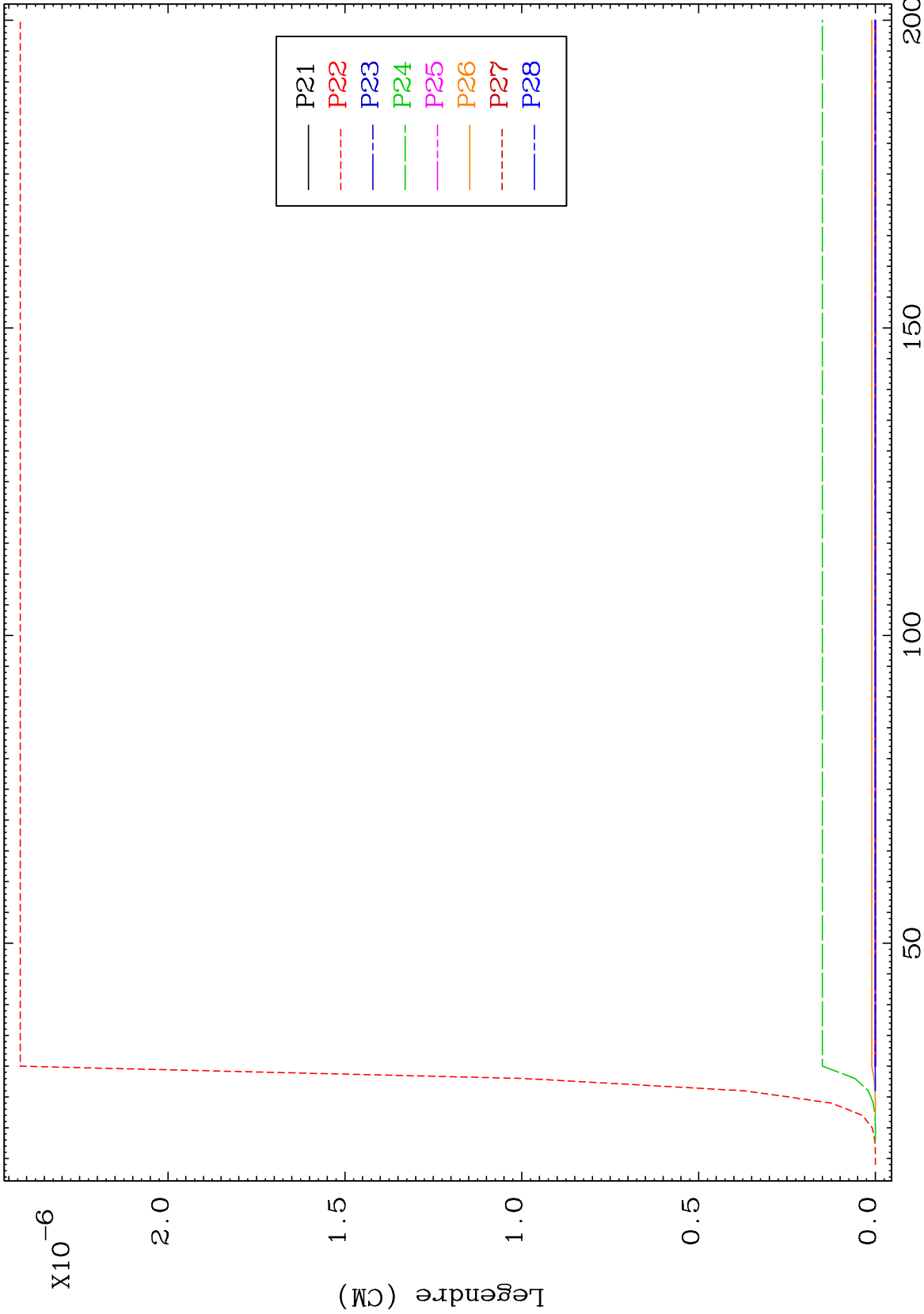
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



58

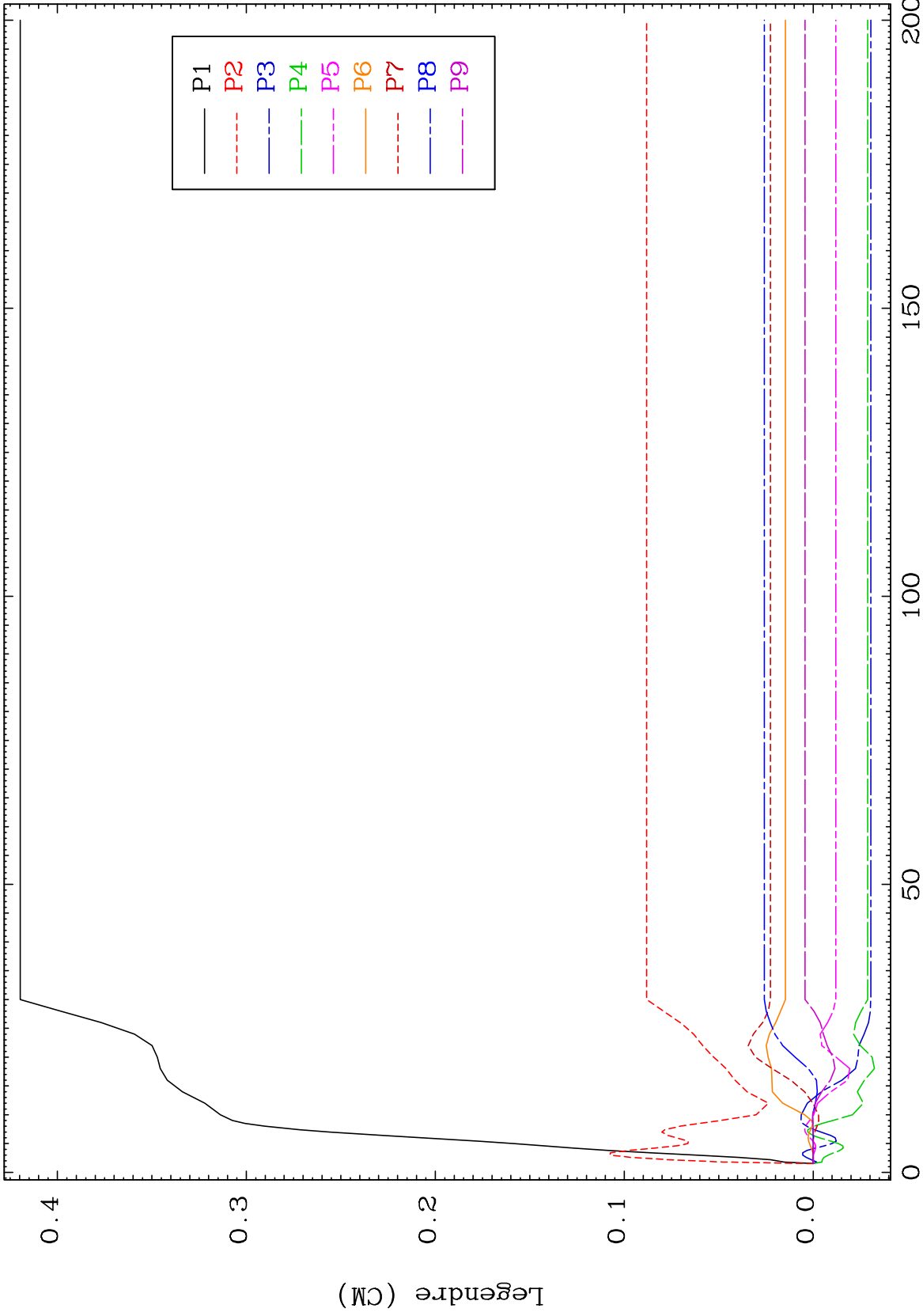
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



59

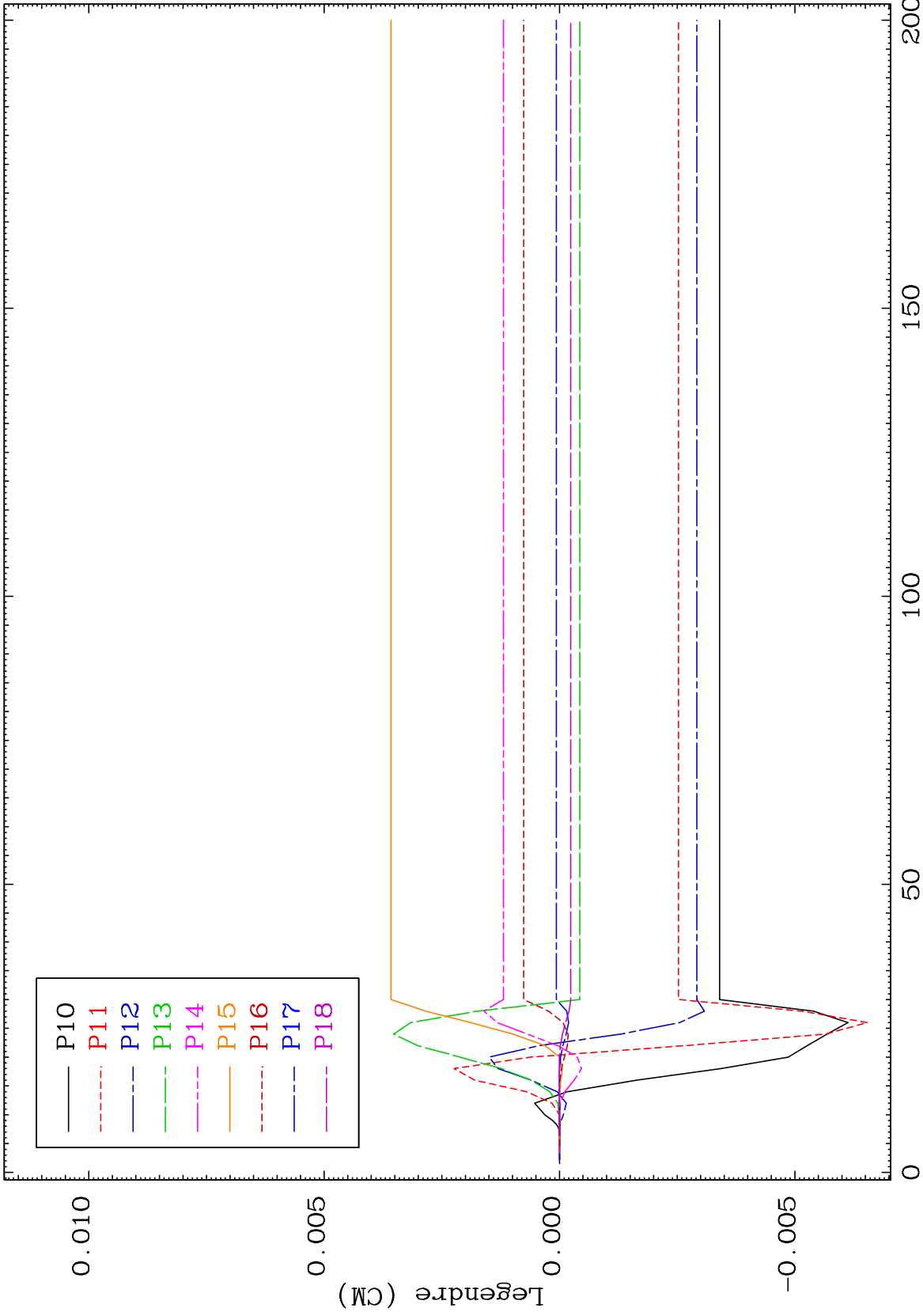
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



0

50

100

150

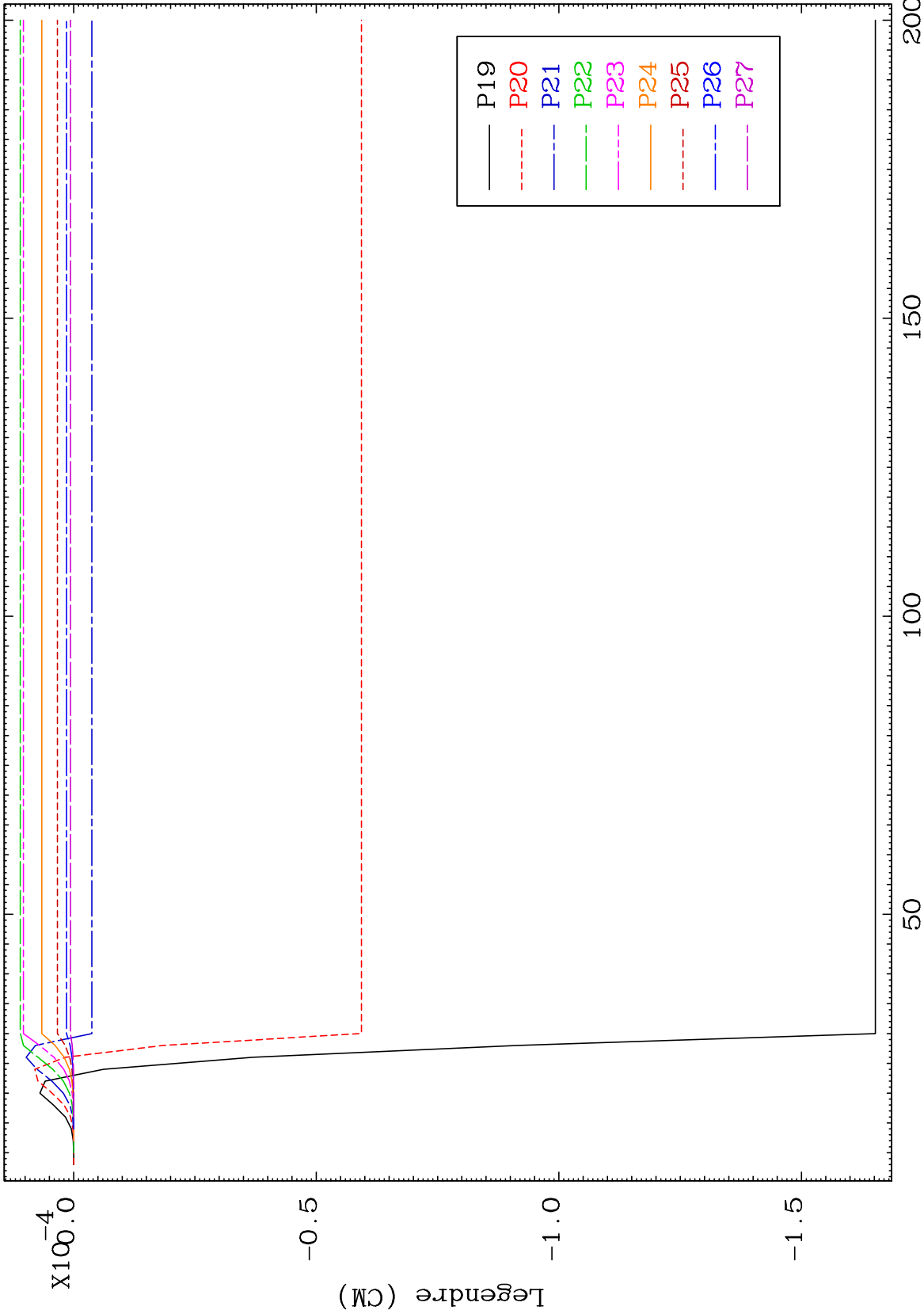
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56-Ba-116

MAT 5583

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

56-Ba-116



61

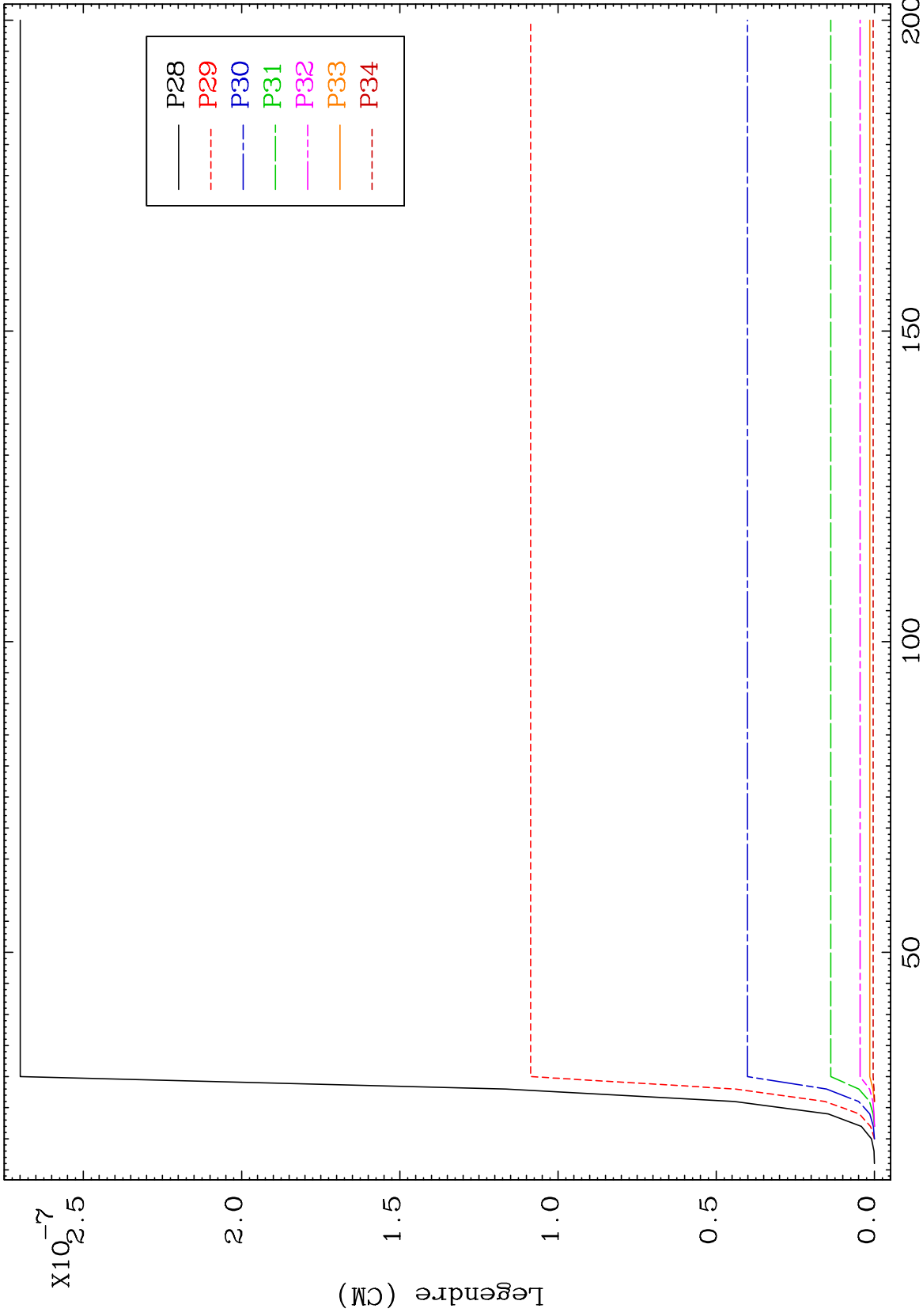
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

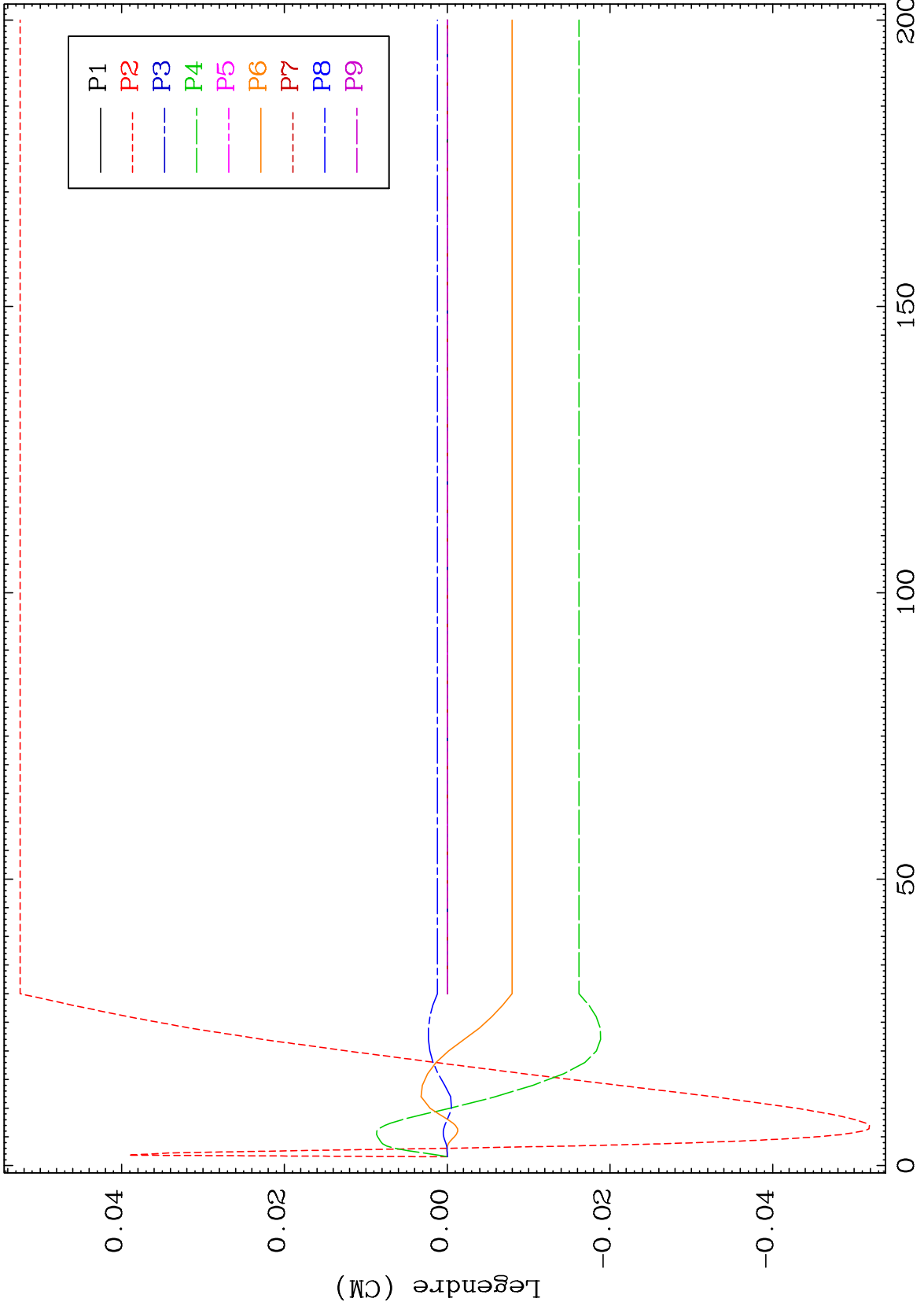
56-Ba-116



62

56-Ba-116

MAT 5583 MT= 63 (n,n') Level Legendre Coefficients 56-Ba-116

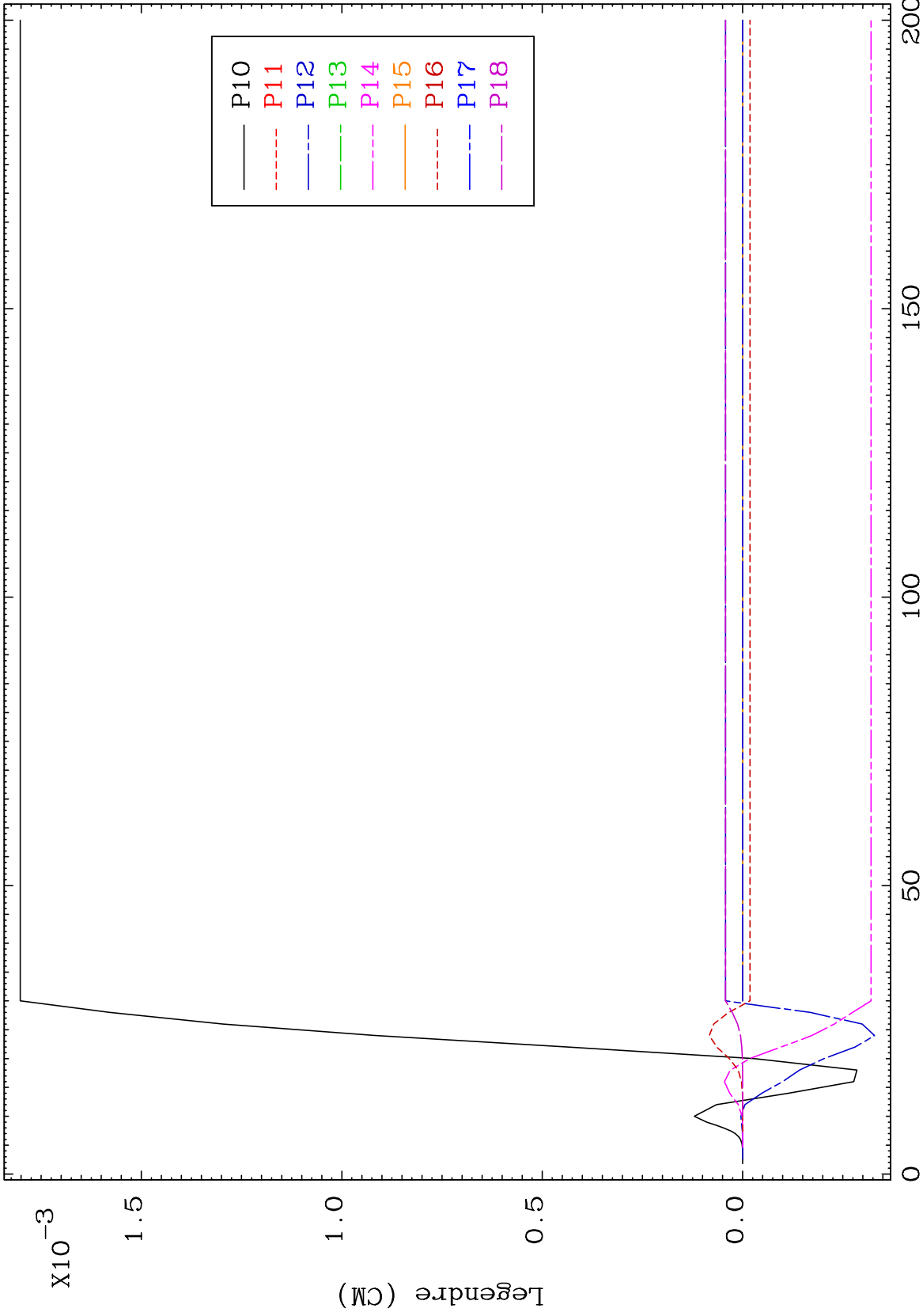


63 56-Ba-116

MAT 5583

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

56-Ba-116

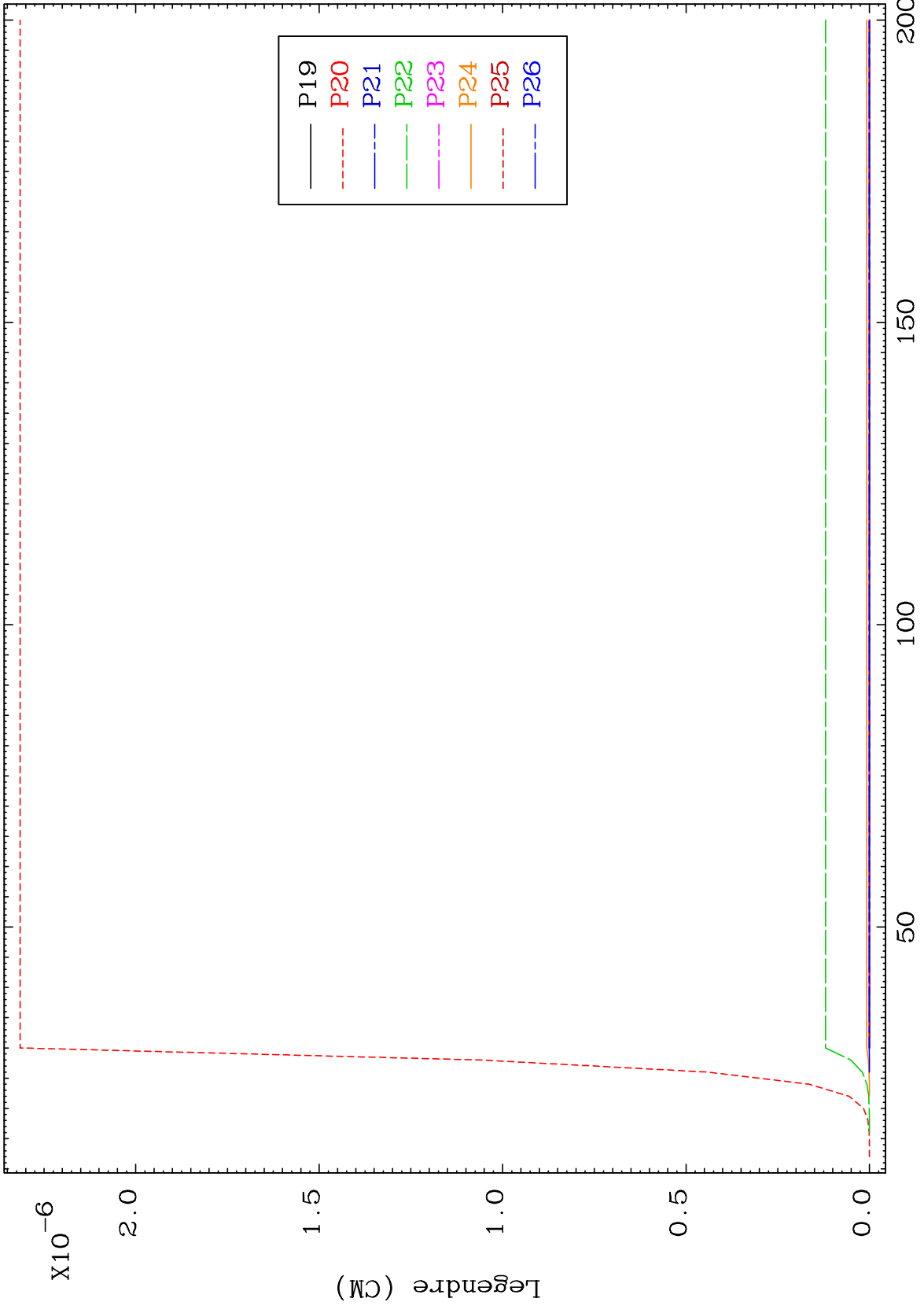


64

Incident Energy (MeV)

56-Ba-116

MAT 5583 MT= 63 (n,n') Level Legendre Coefficients 56-Ba-116

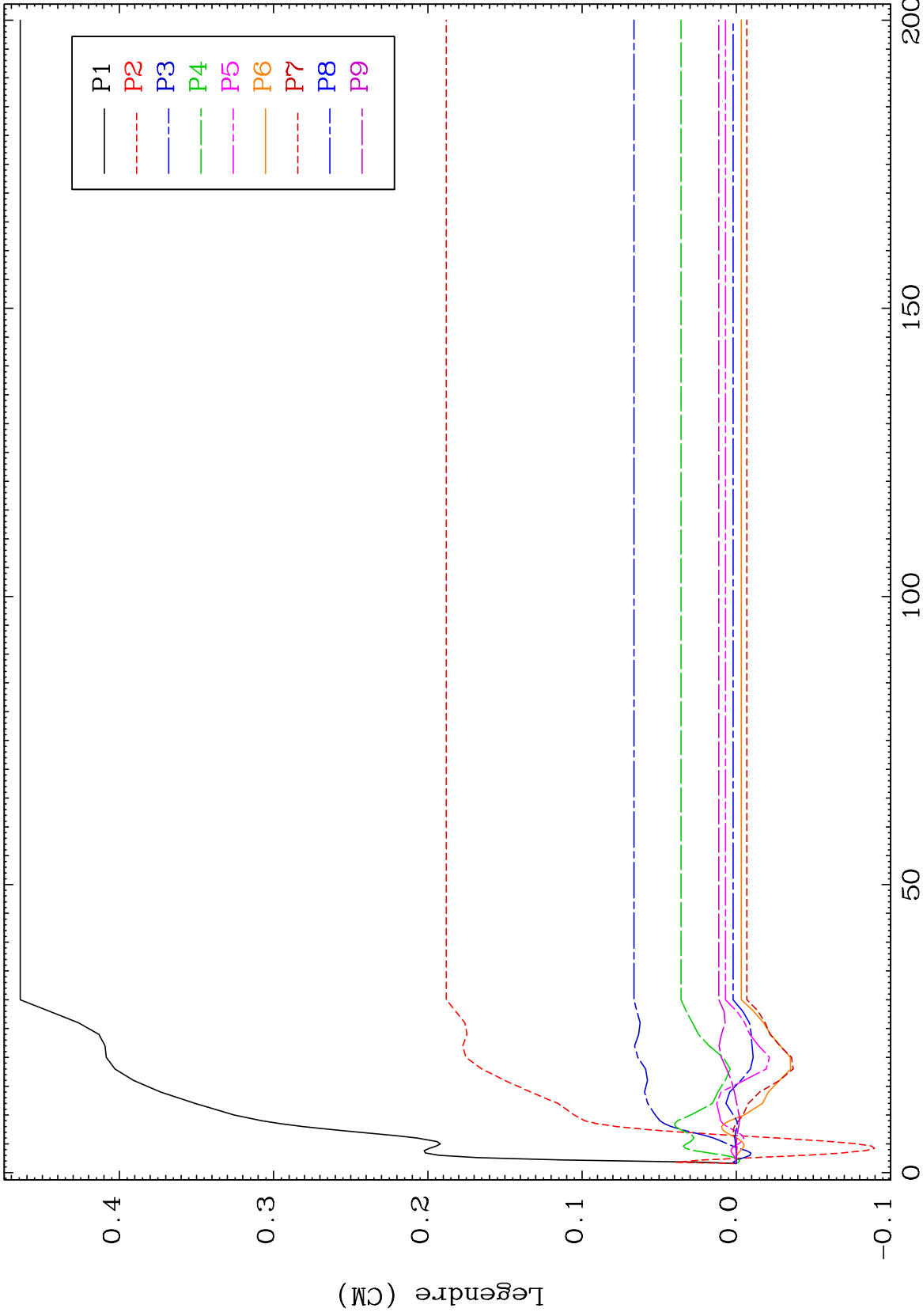


65 Incident Energy (MeV) 56-Ba-116

MAT 5583

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

56-Ba-116



66

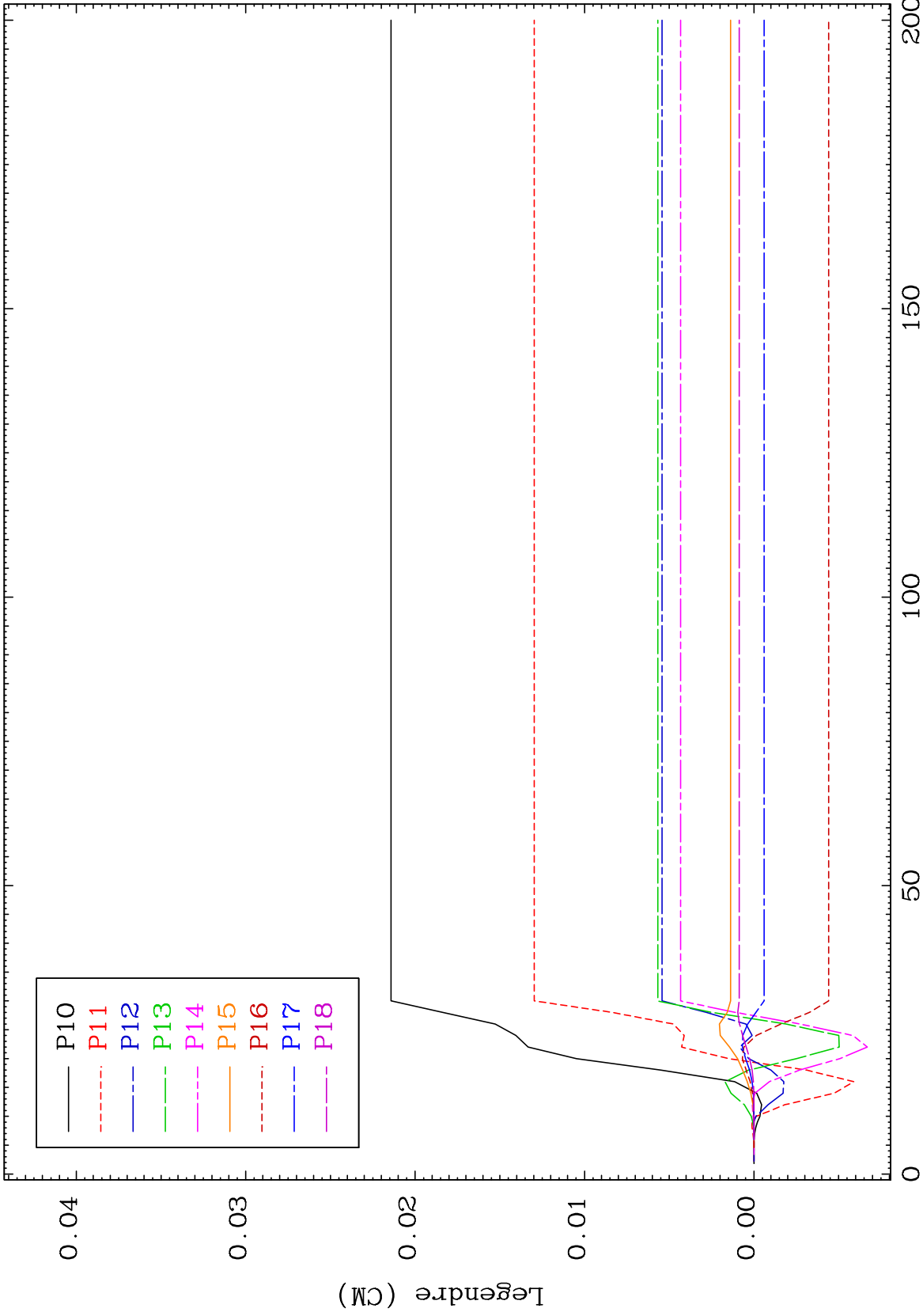
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



67

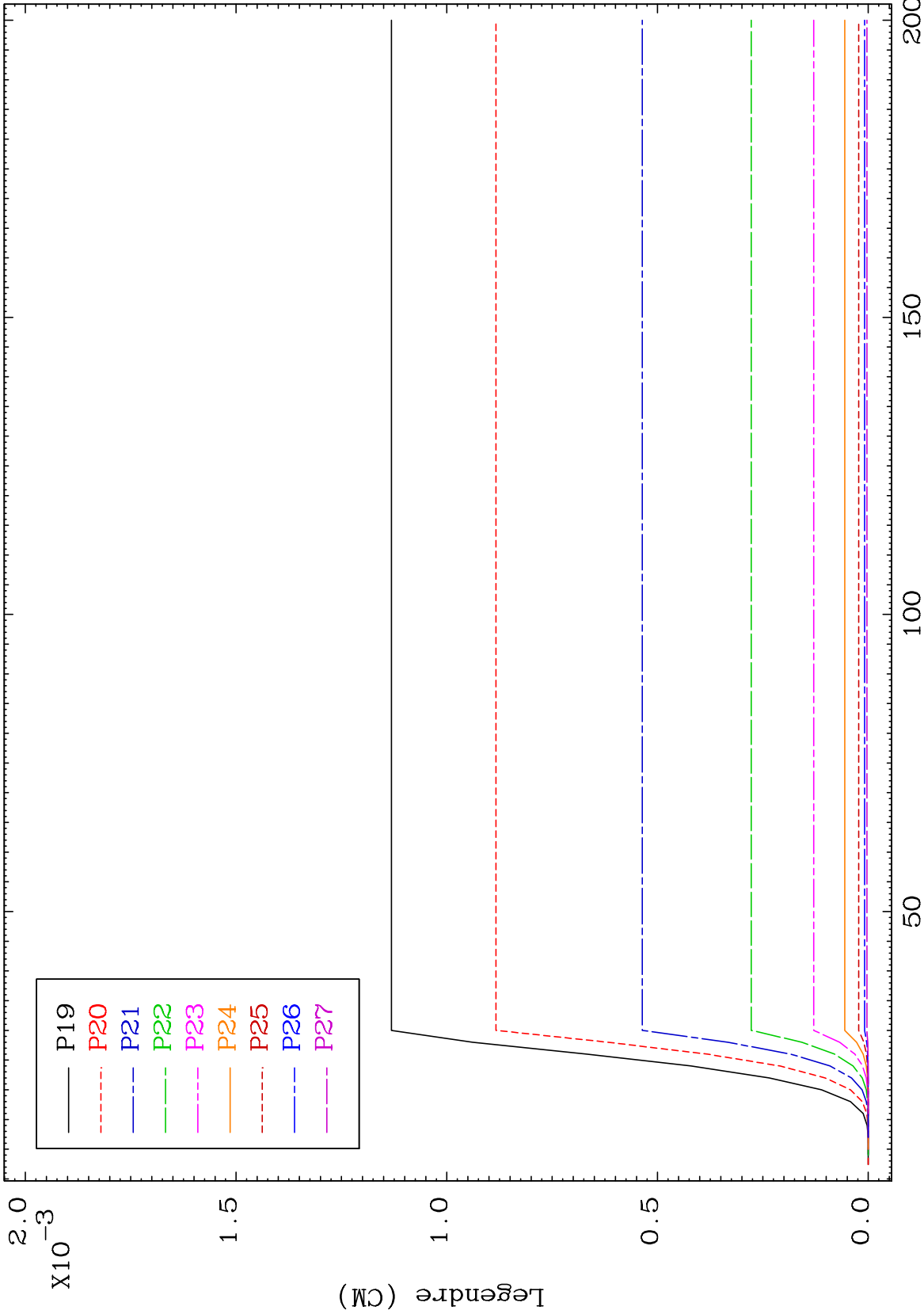
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



68

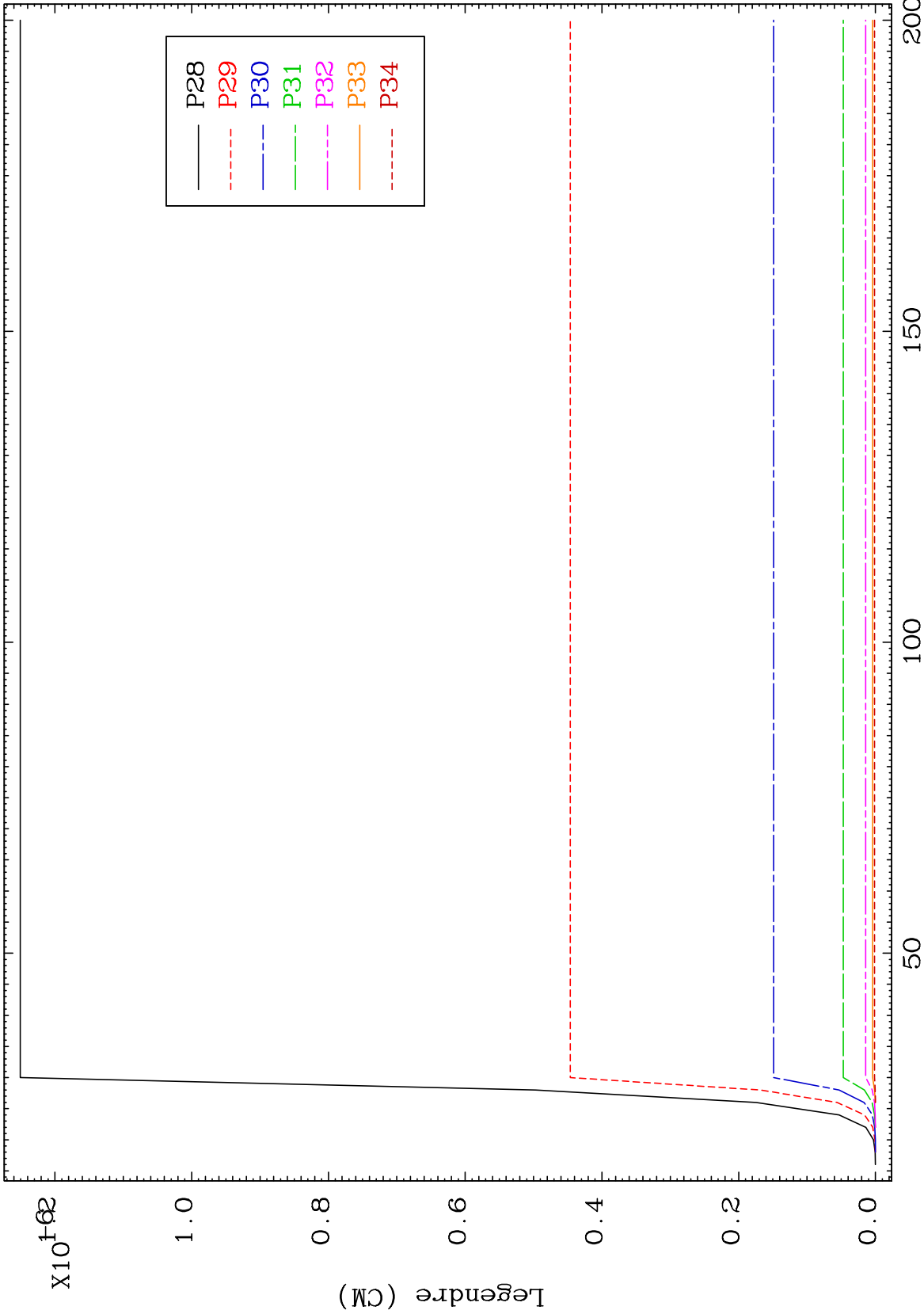
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



69

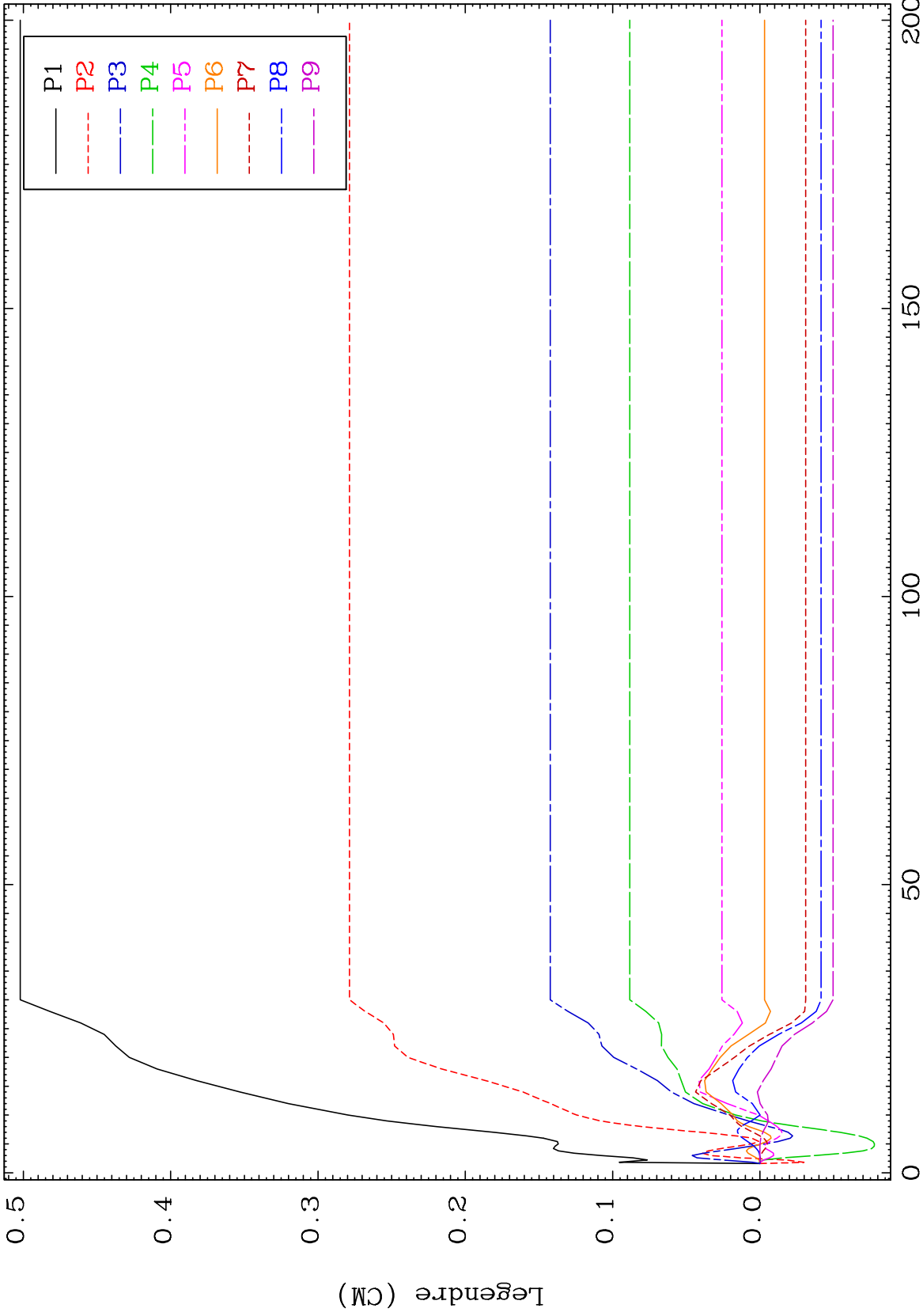
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116

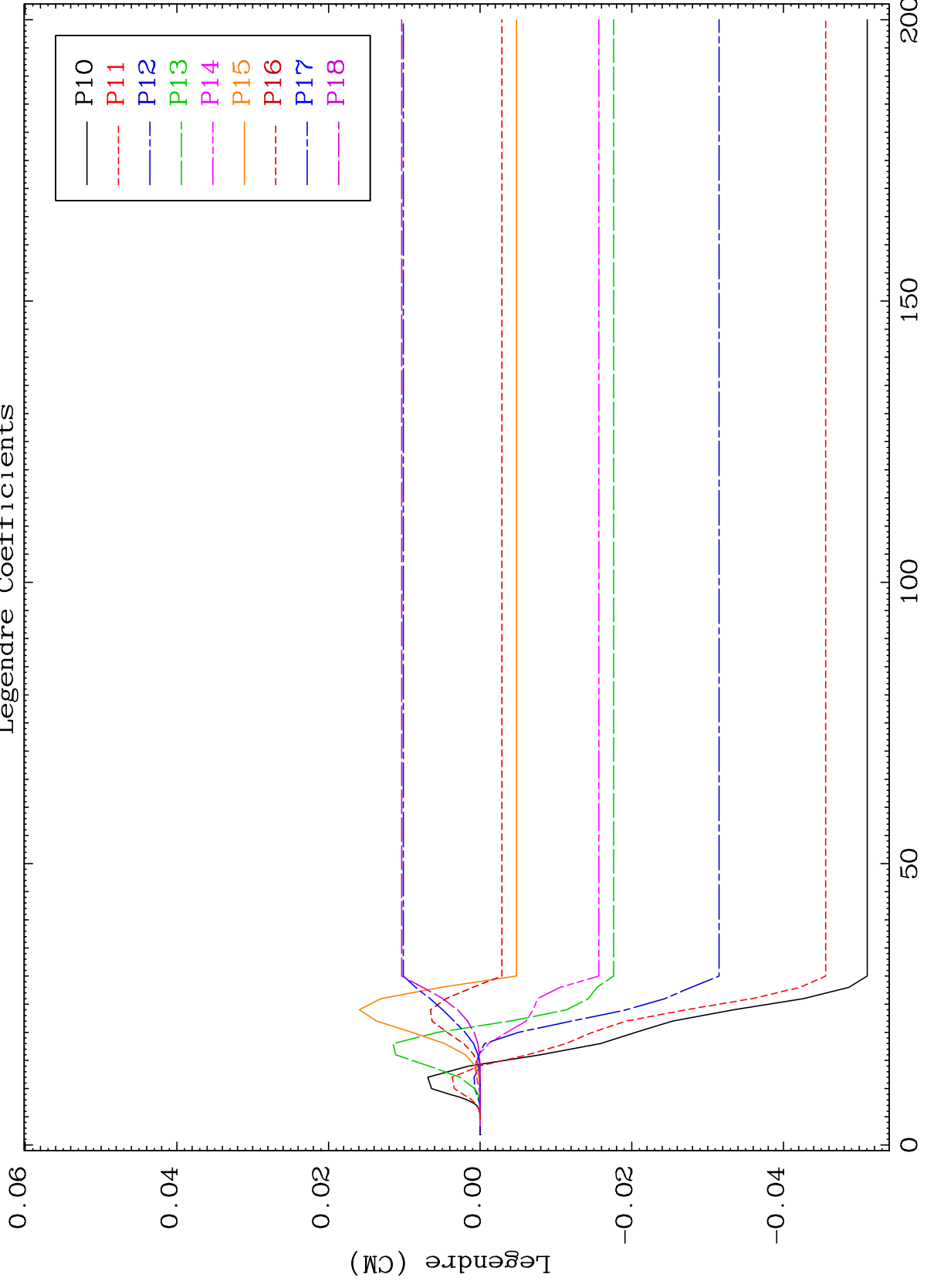


70

Incident Energy (MeV)

56-Ba-116

MAT 5583 MT= 65 (n,n') Level Legendre Coefficients 56-Ba-116

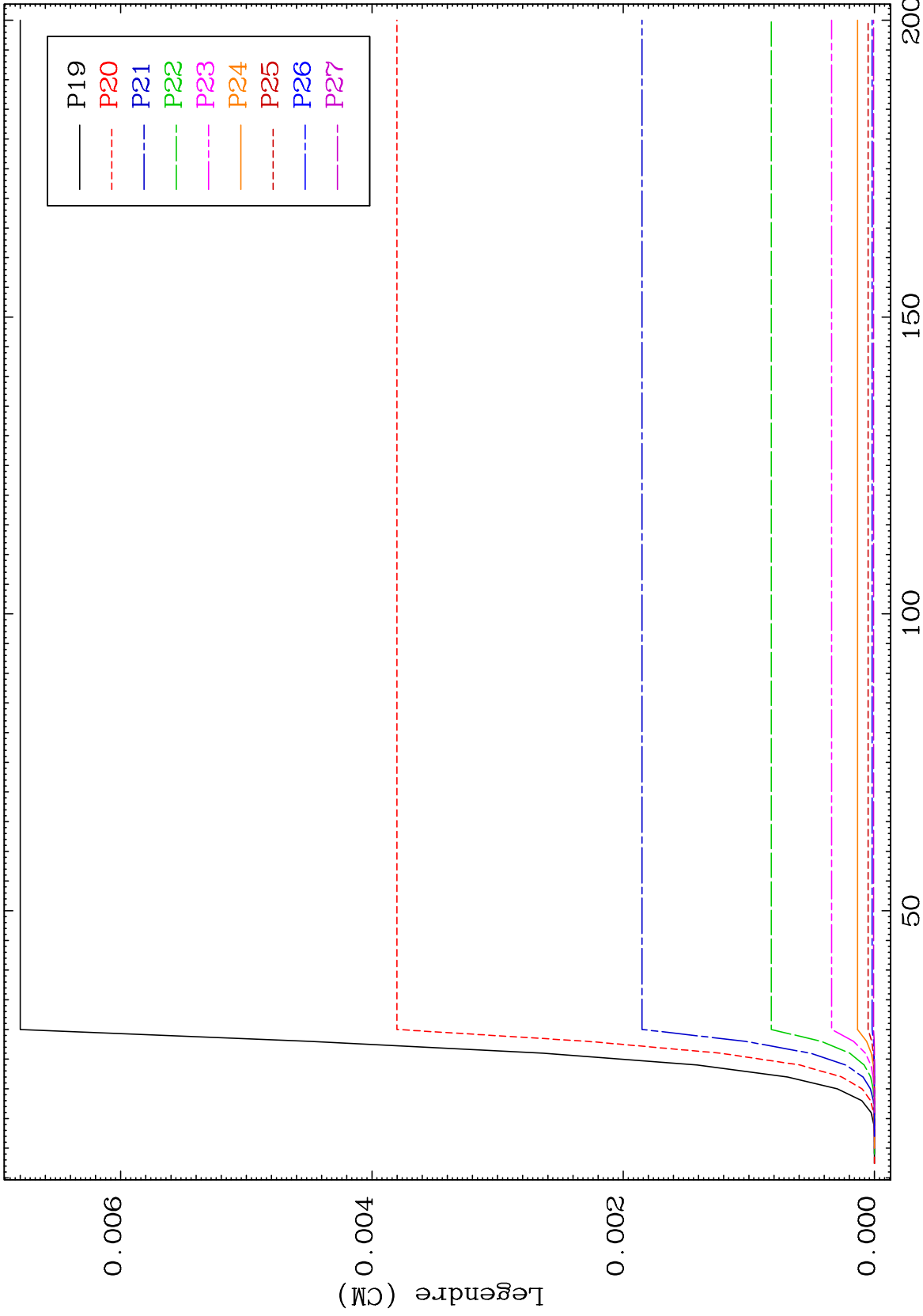


71 56-Ba-116

MAT 5583

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

56-Ba-116



72

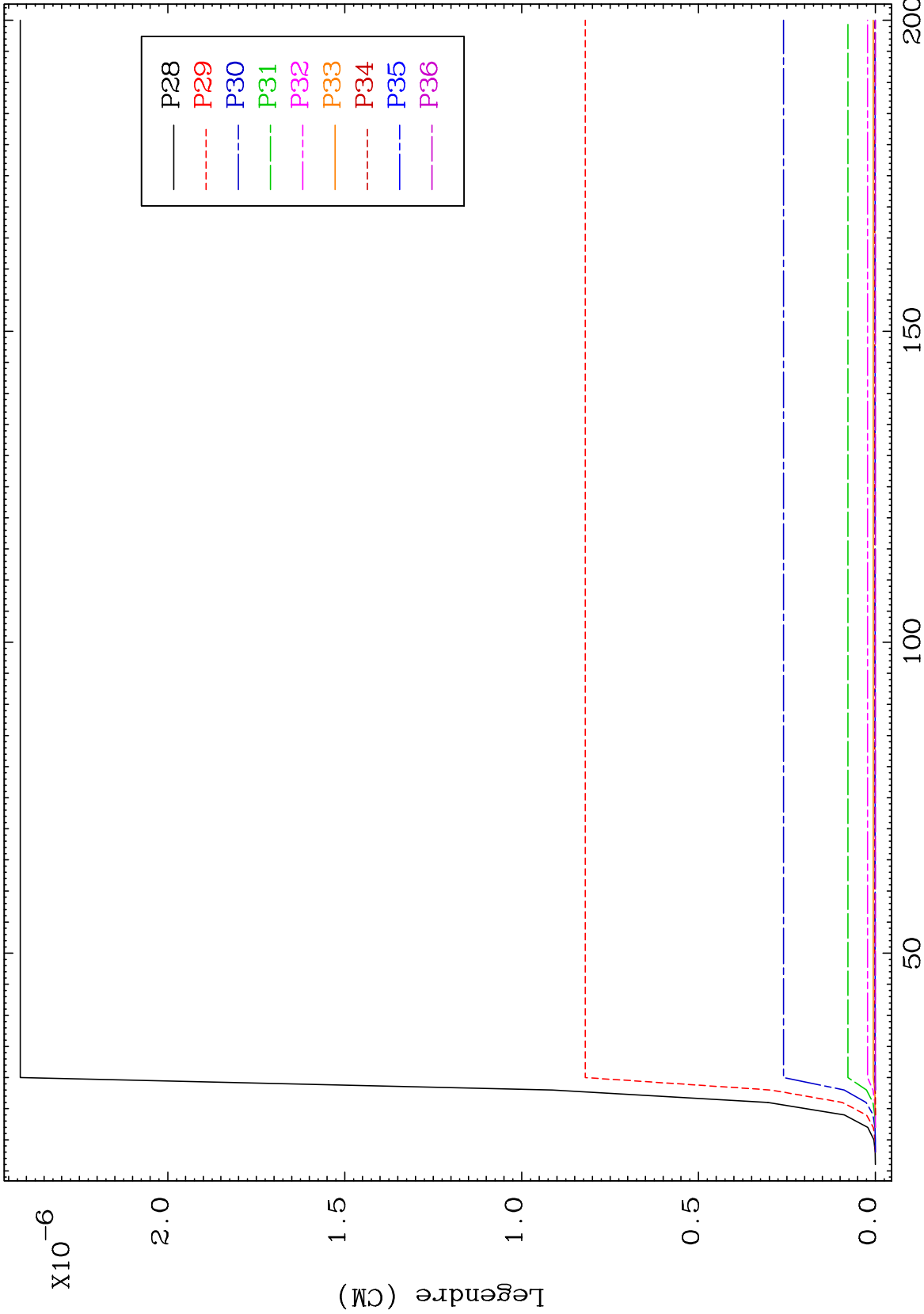
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



73

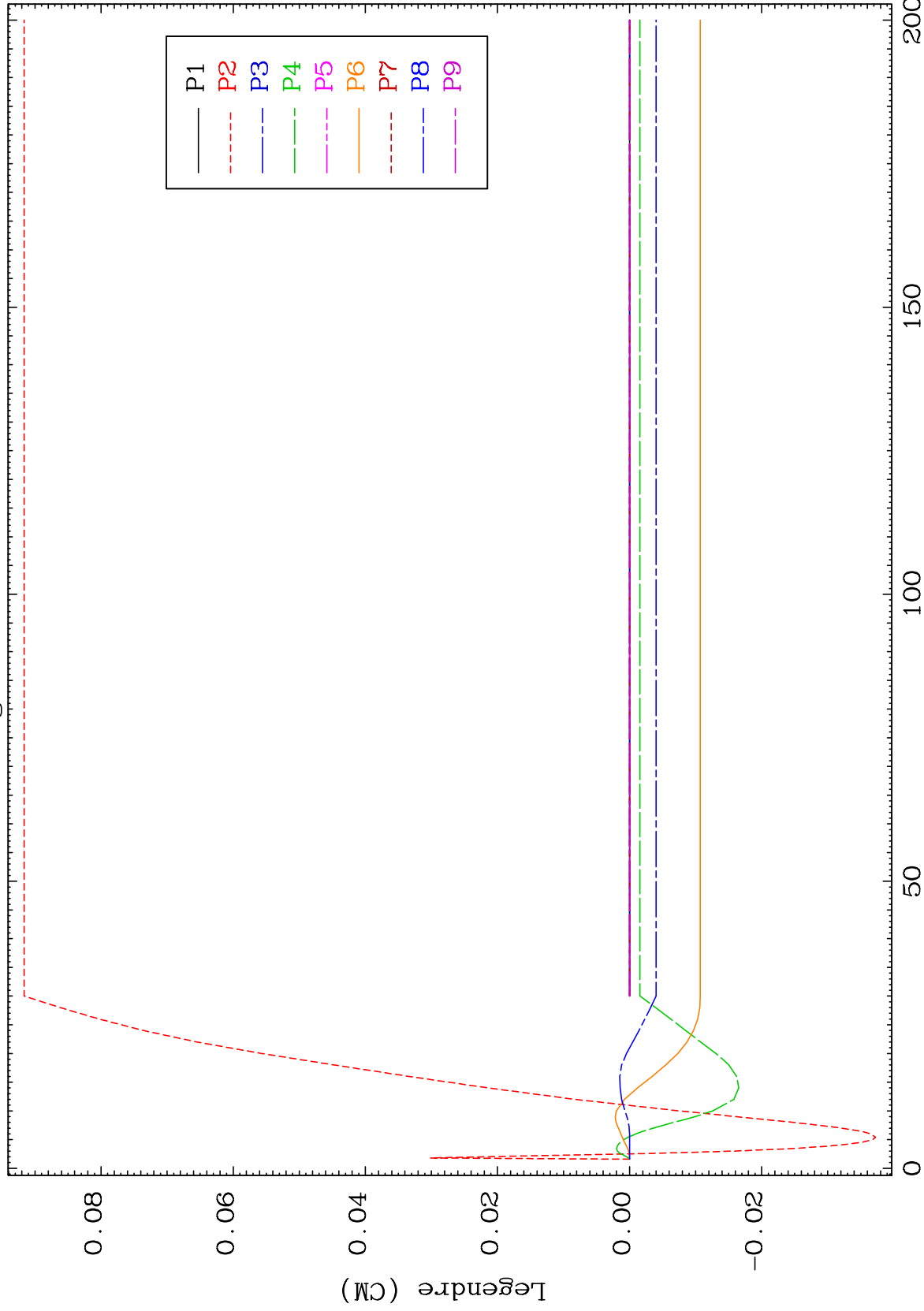
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



74

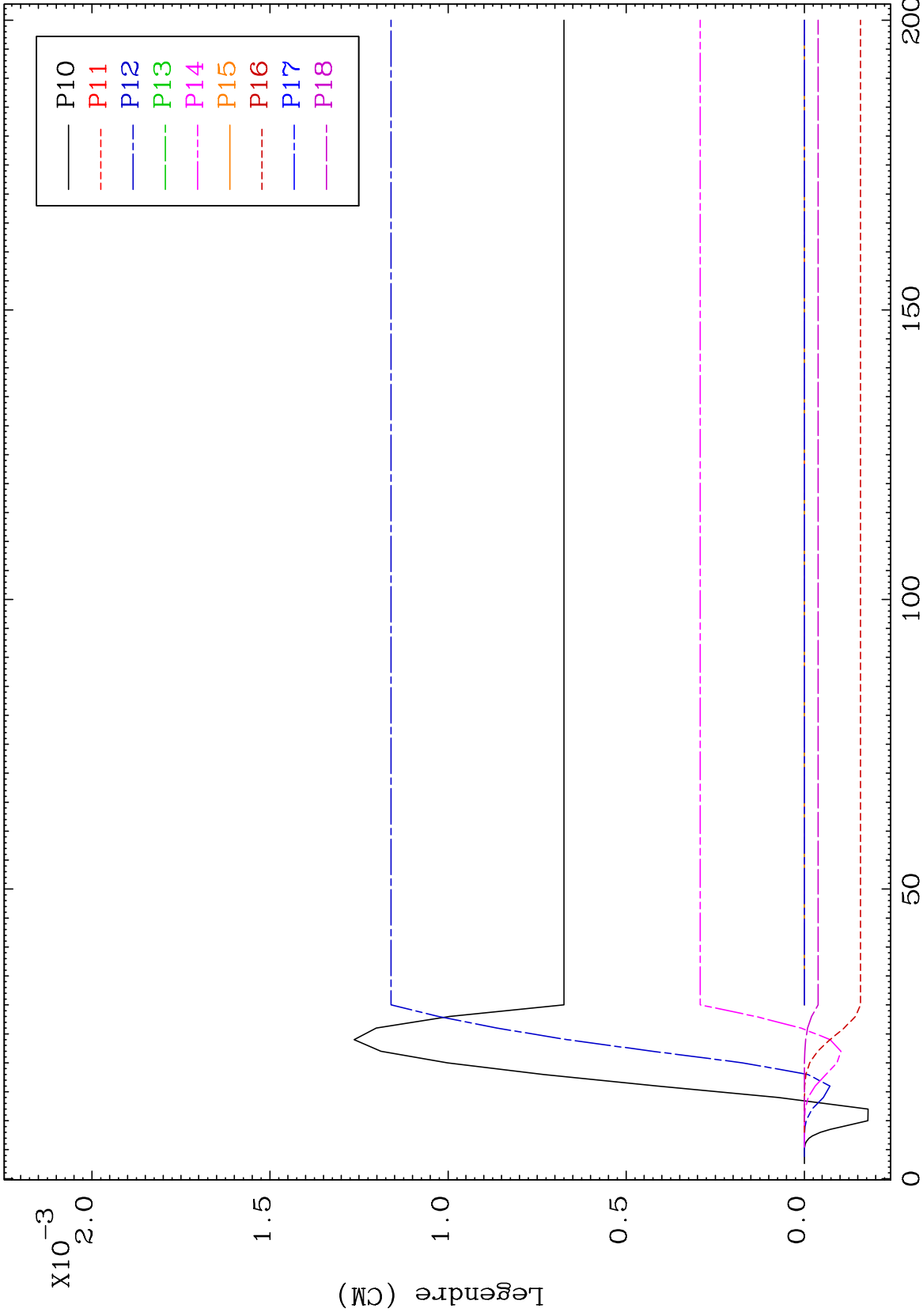
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



75

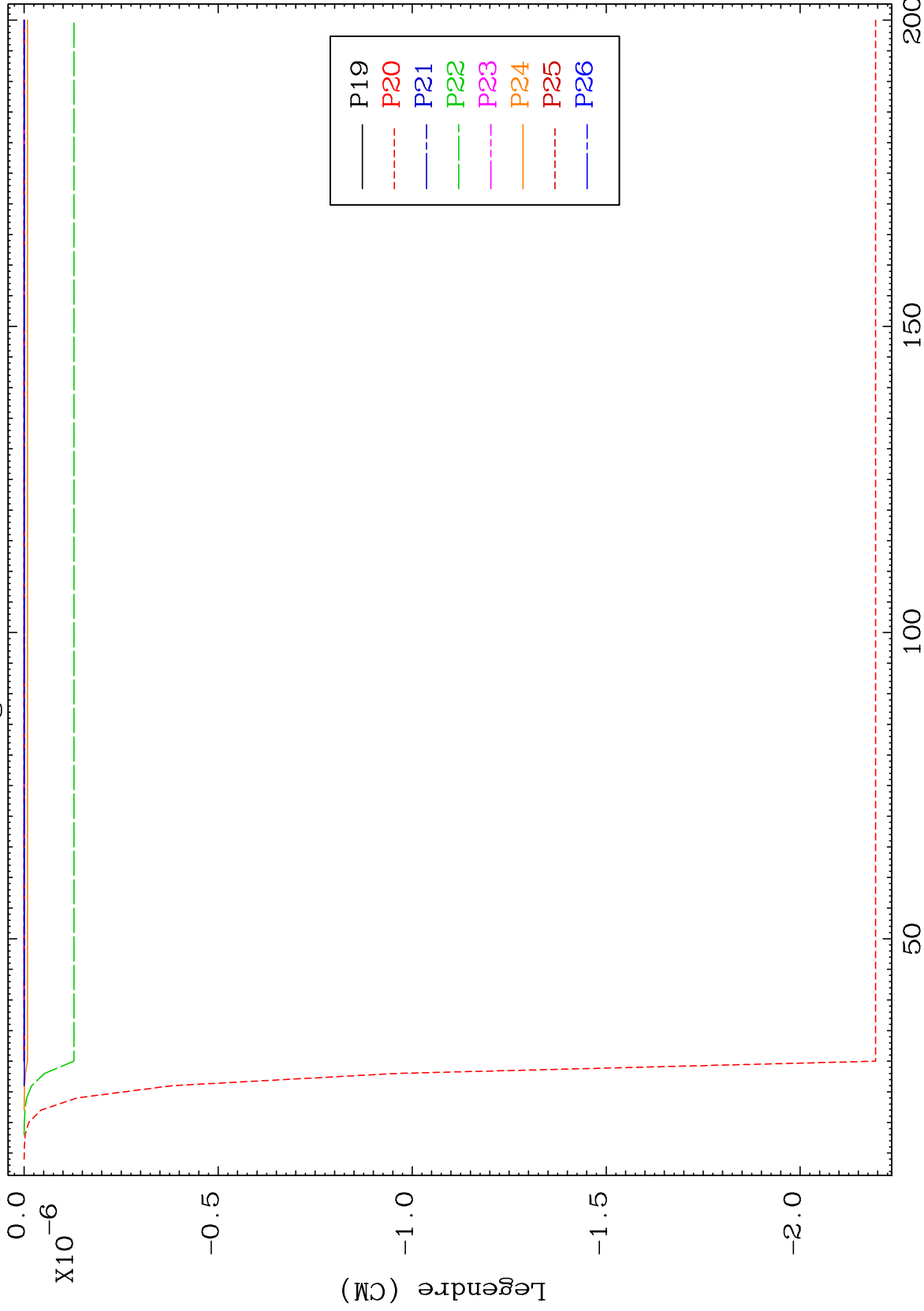
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



76

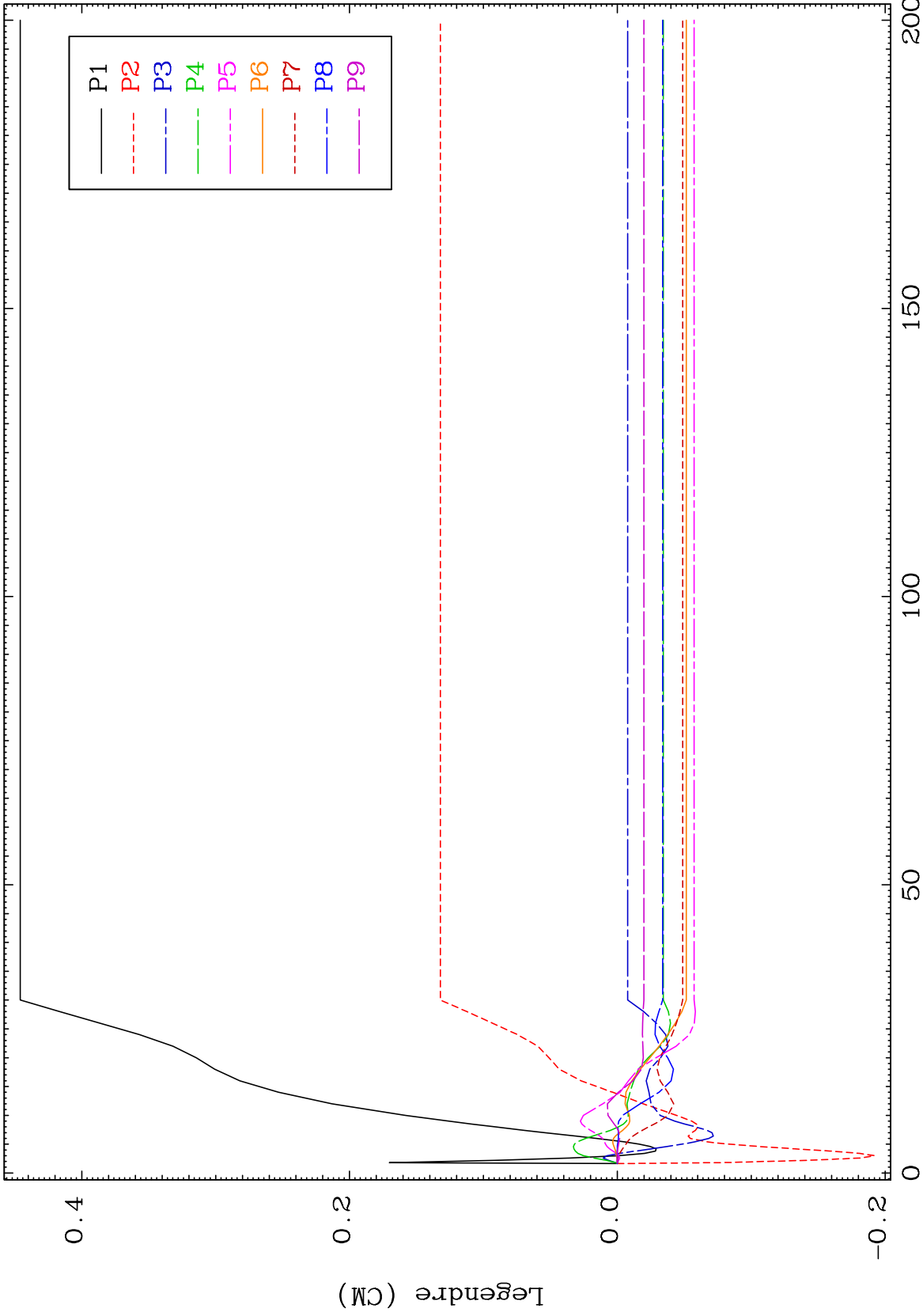
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



77

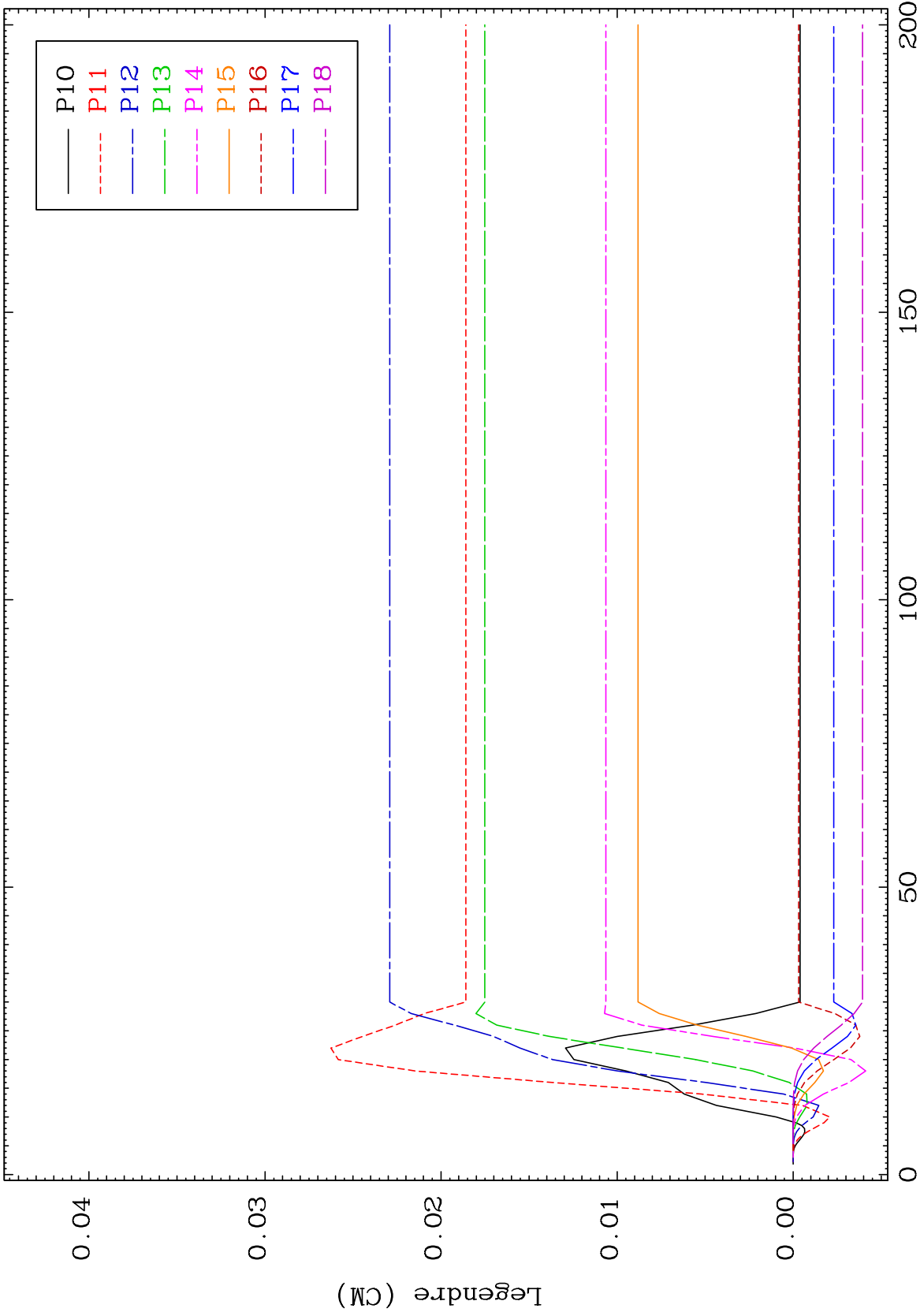
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



78

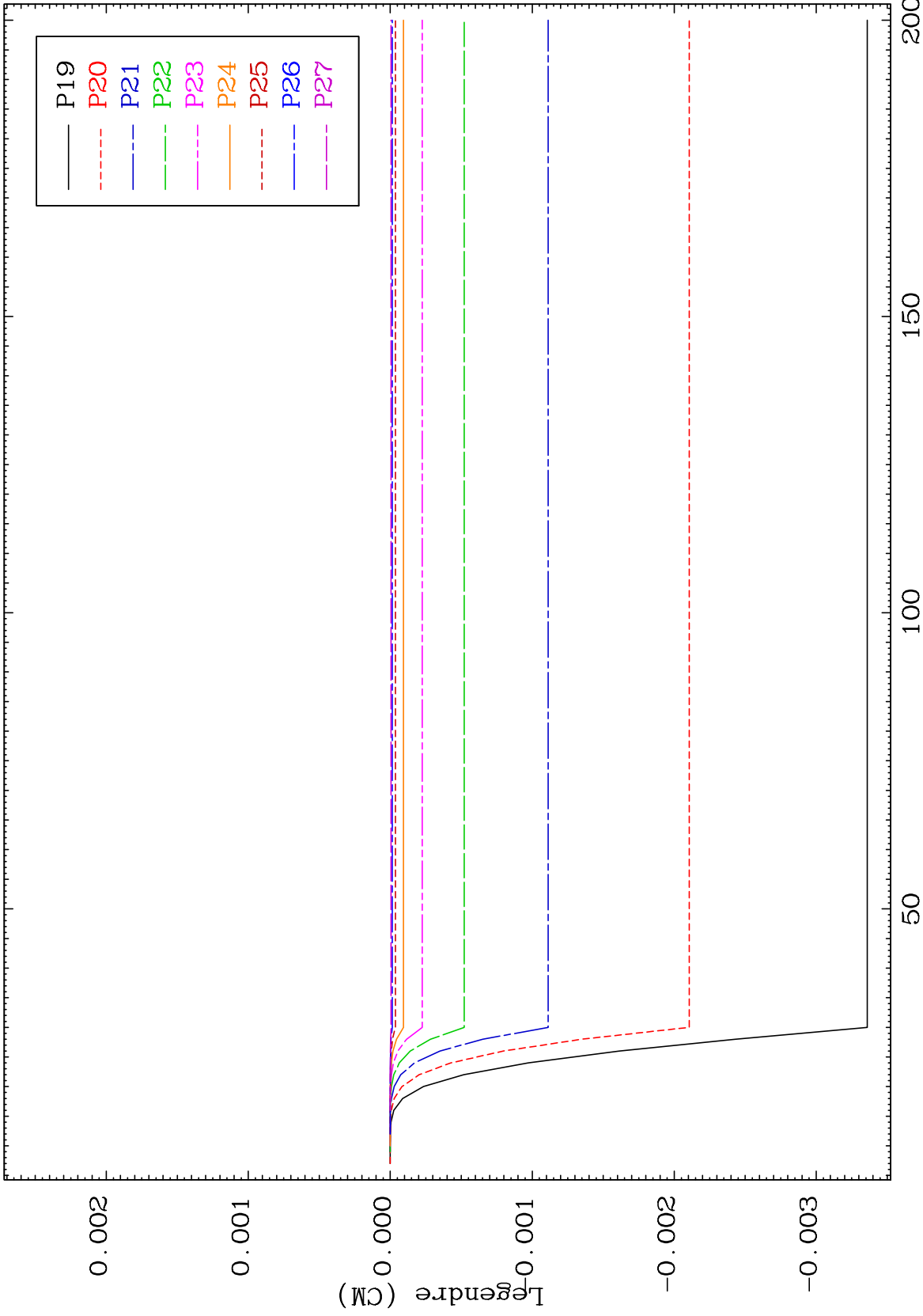
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



79

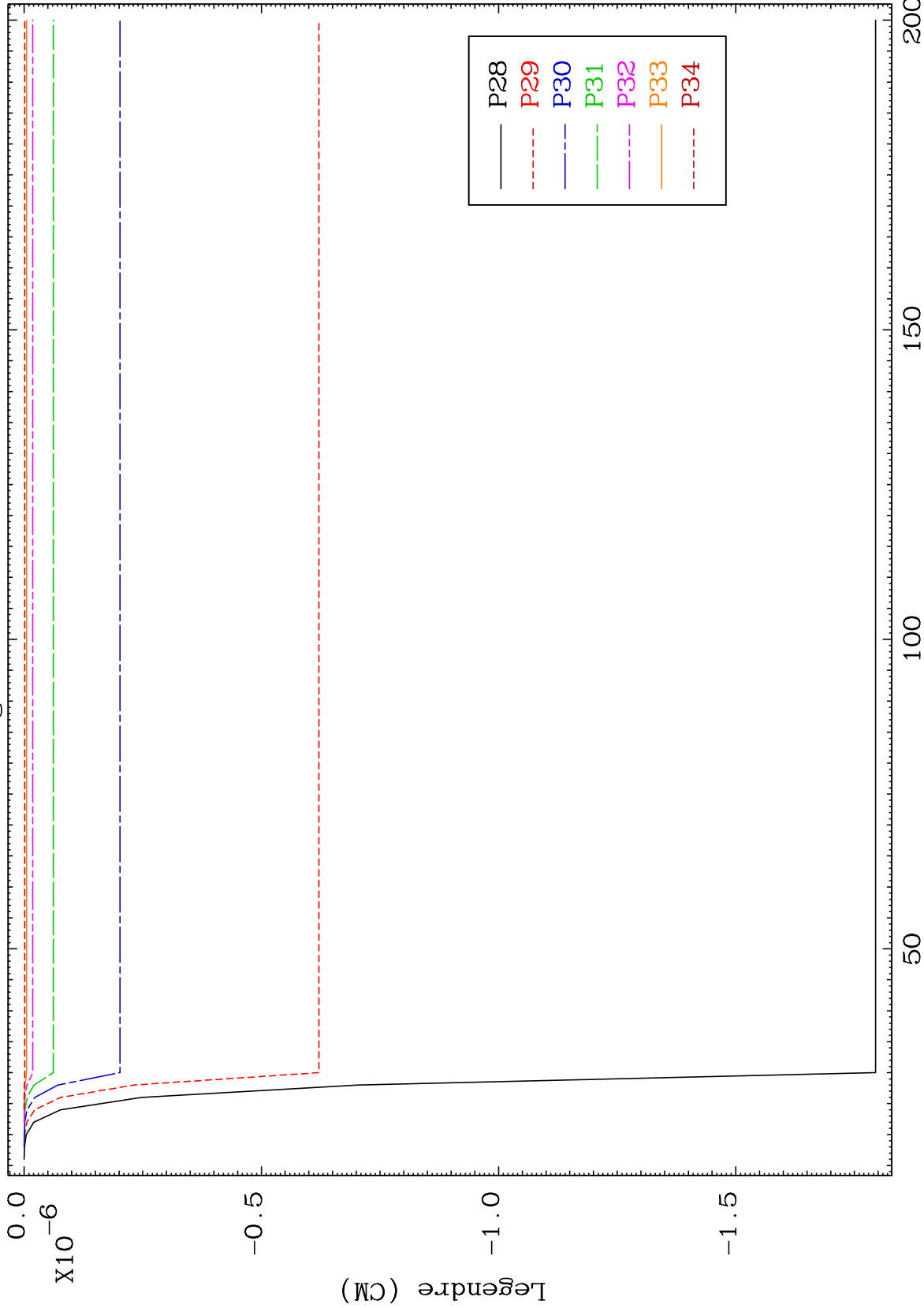
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116



80

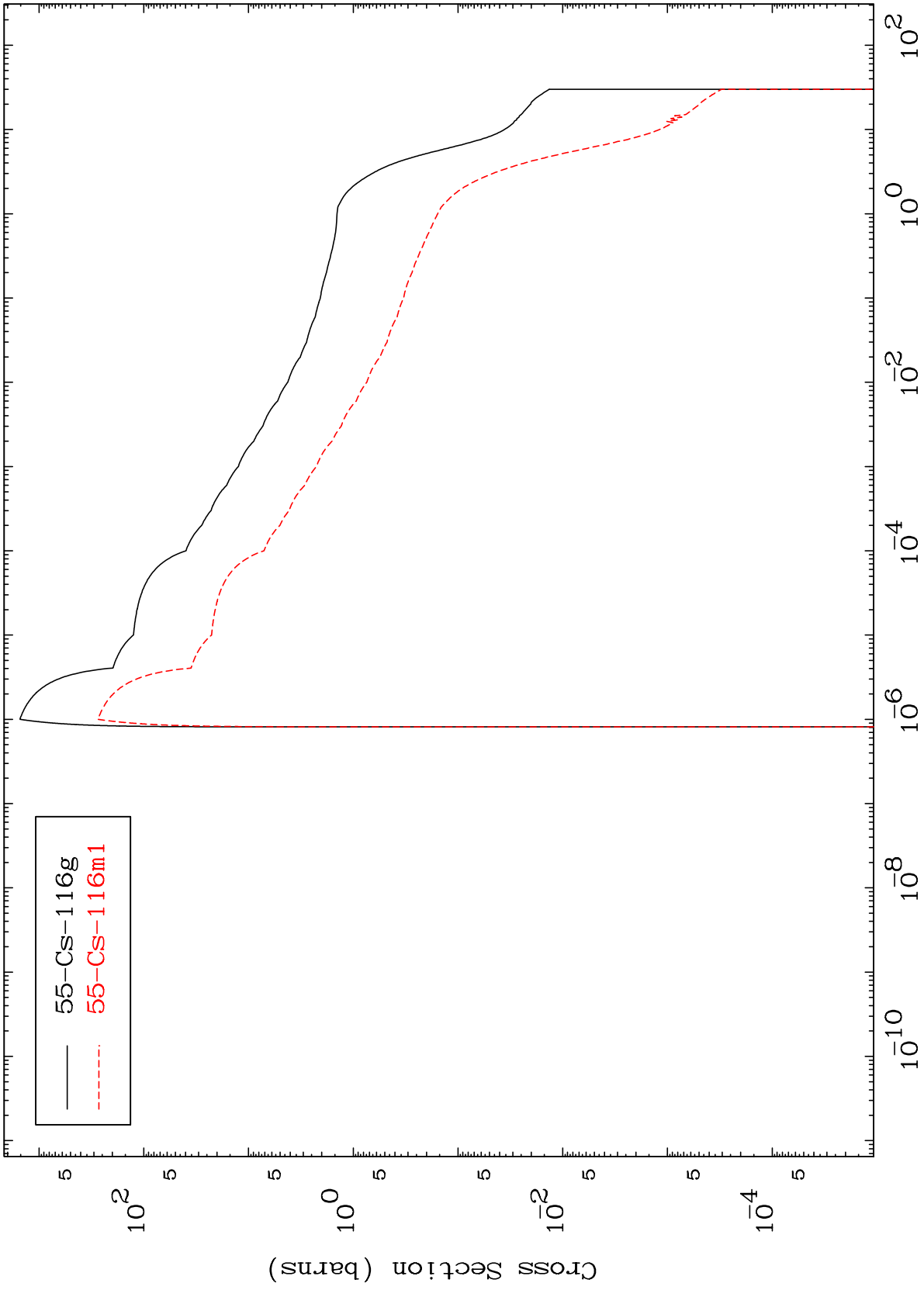
Incident Energy (MeV)

56-Ba-116

MAT 5583

56-Ba-116

(n,p)
Radionuclide Production Cross Section



55-Cs-116g
55-Cs-116m1