

Program EVALPLOT
(Version 2021-1)

by

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(Present Contact Information)

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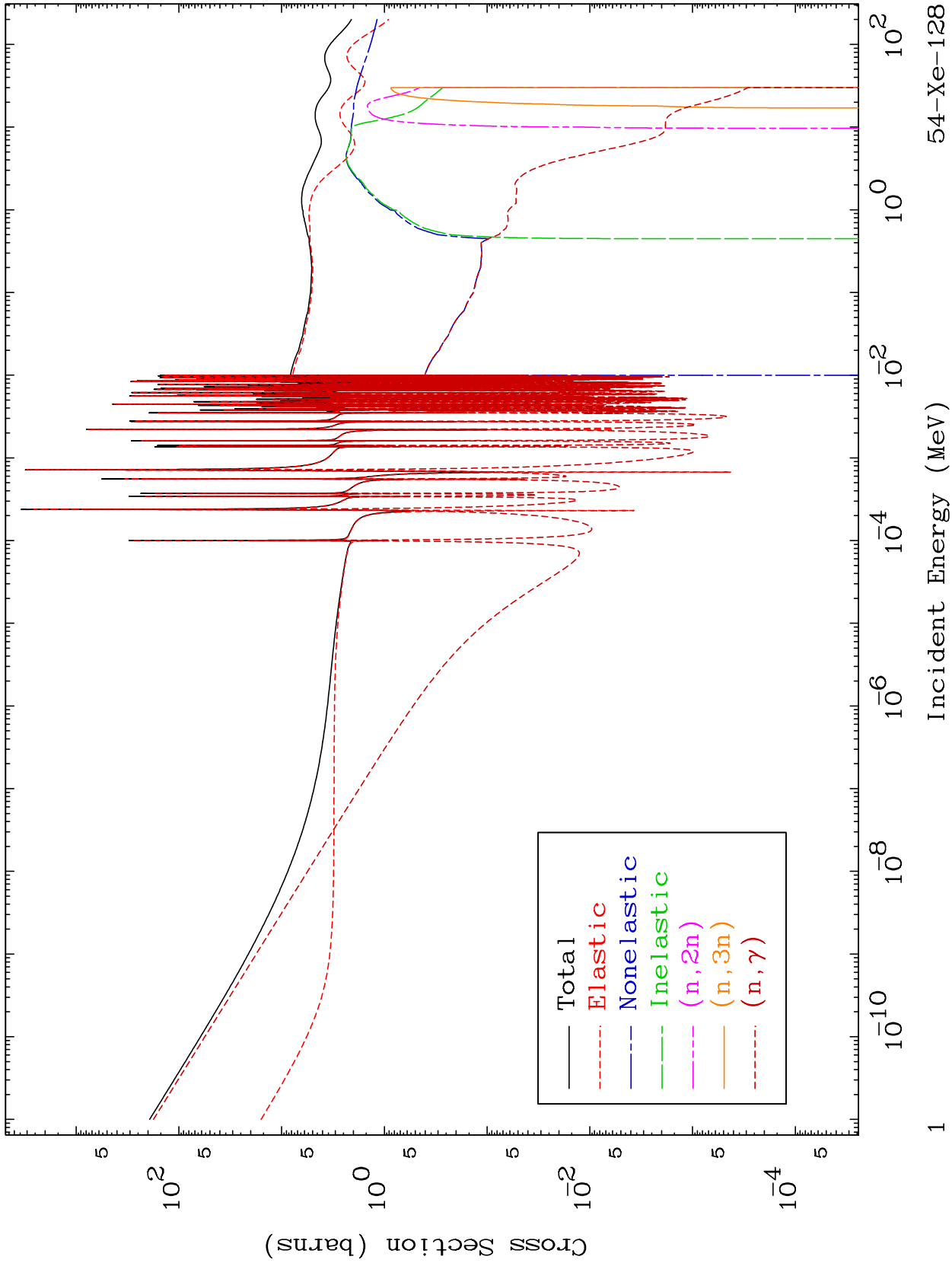
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

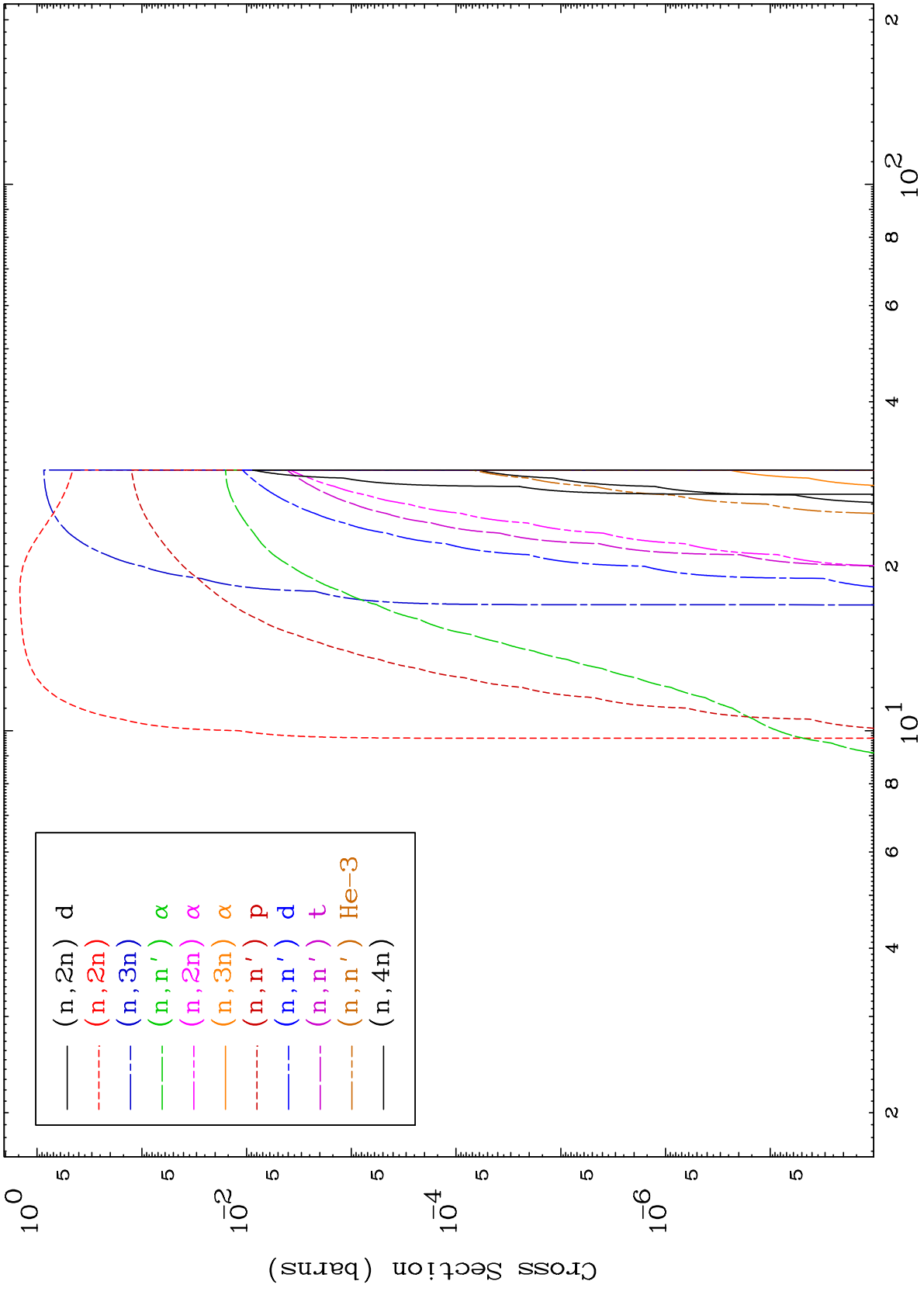
Press Mouse Button to Start

MAT 5437

Neutron Major
293 Kelvin Cross Sections

54-Xe-128

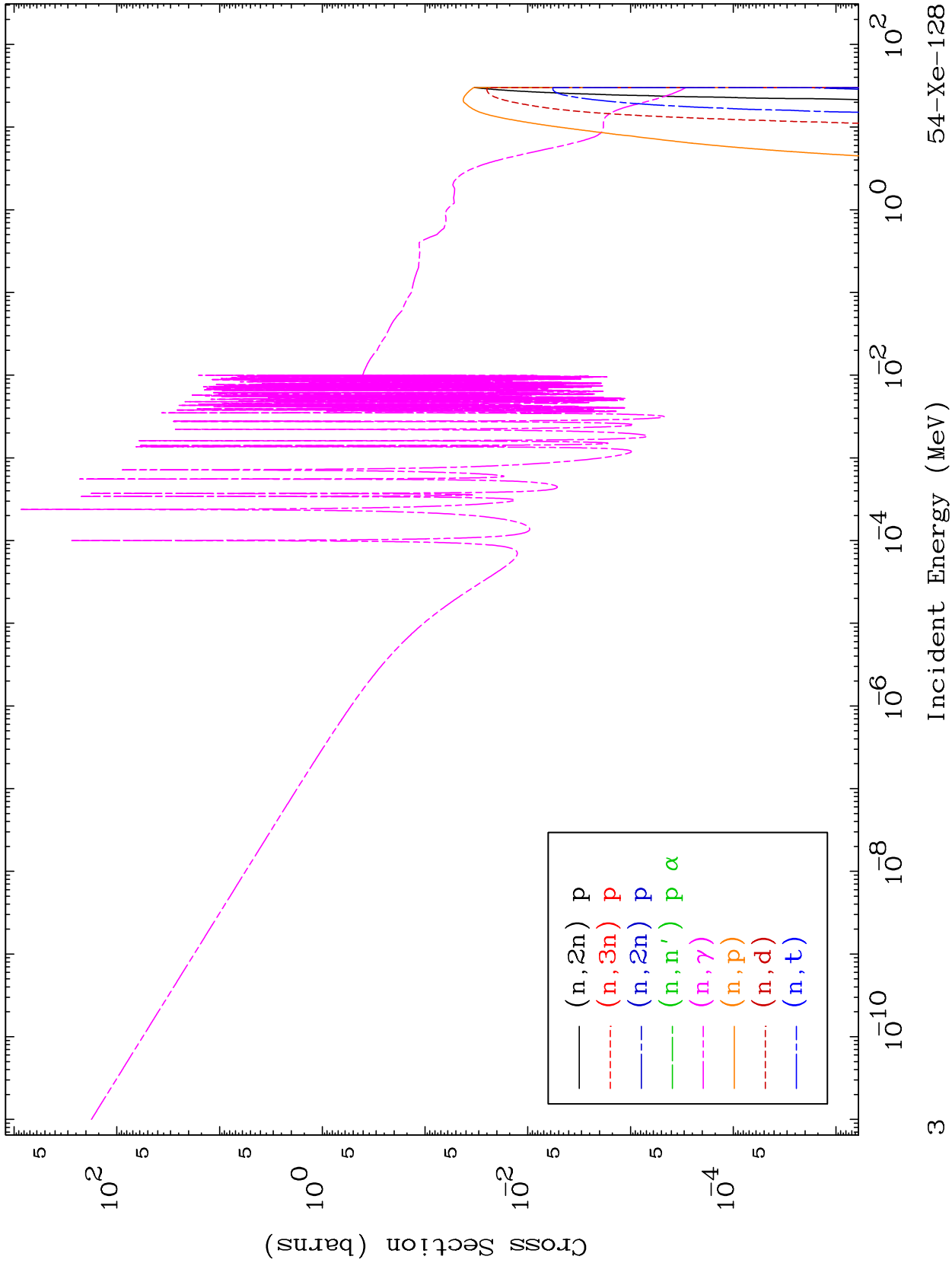




MAT 5437

Neutron Absorption
293 Kelvin Cross Sections

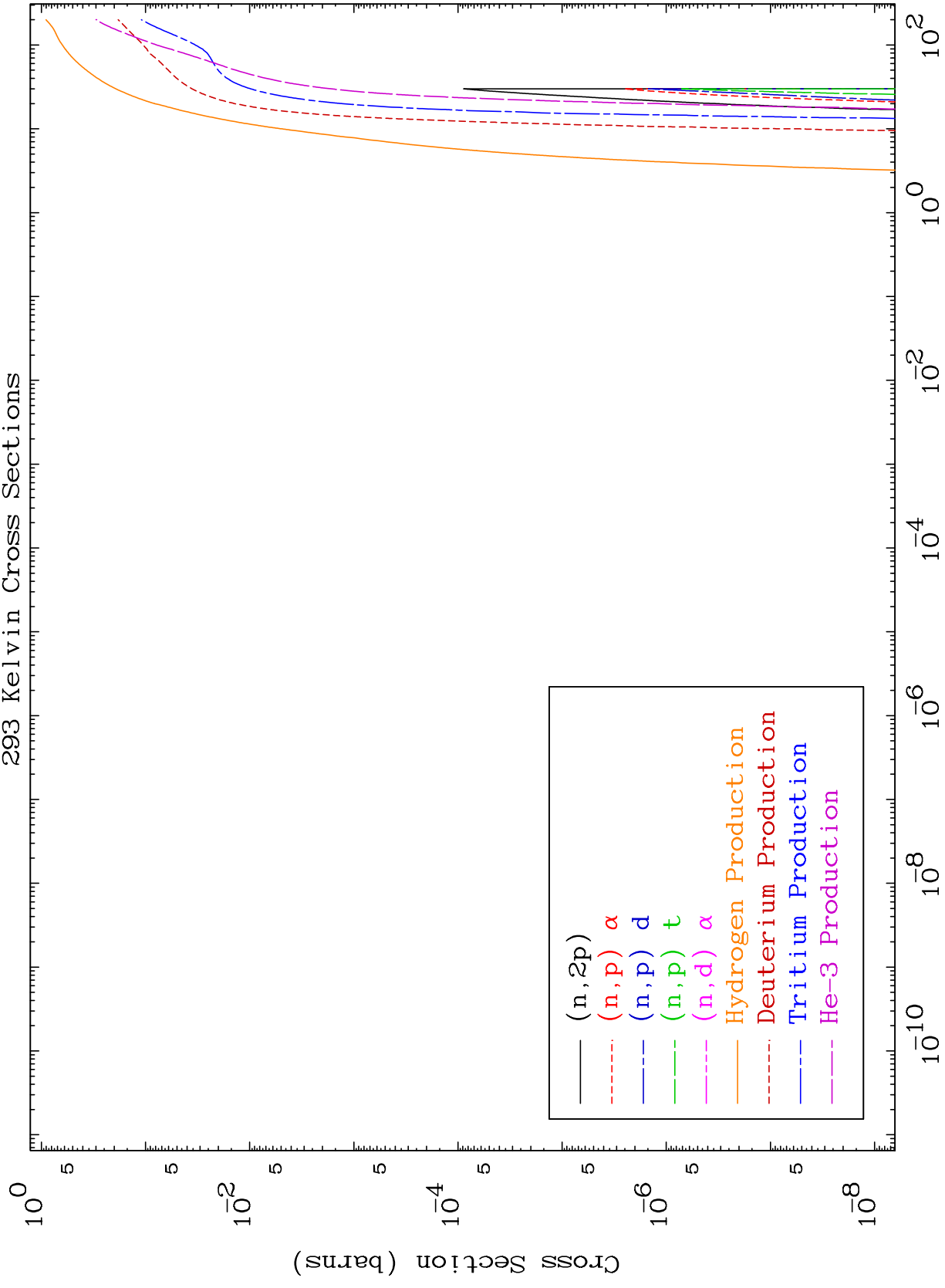
54-Xe-128



MAT 5437

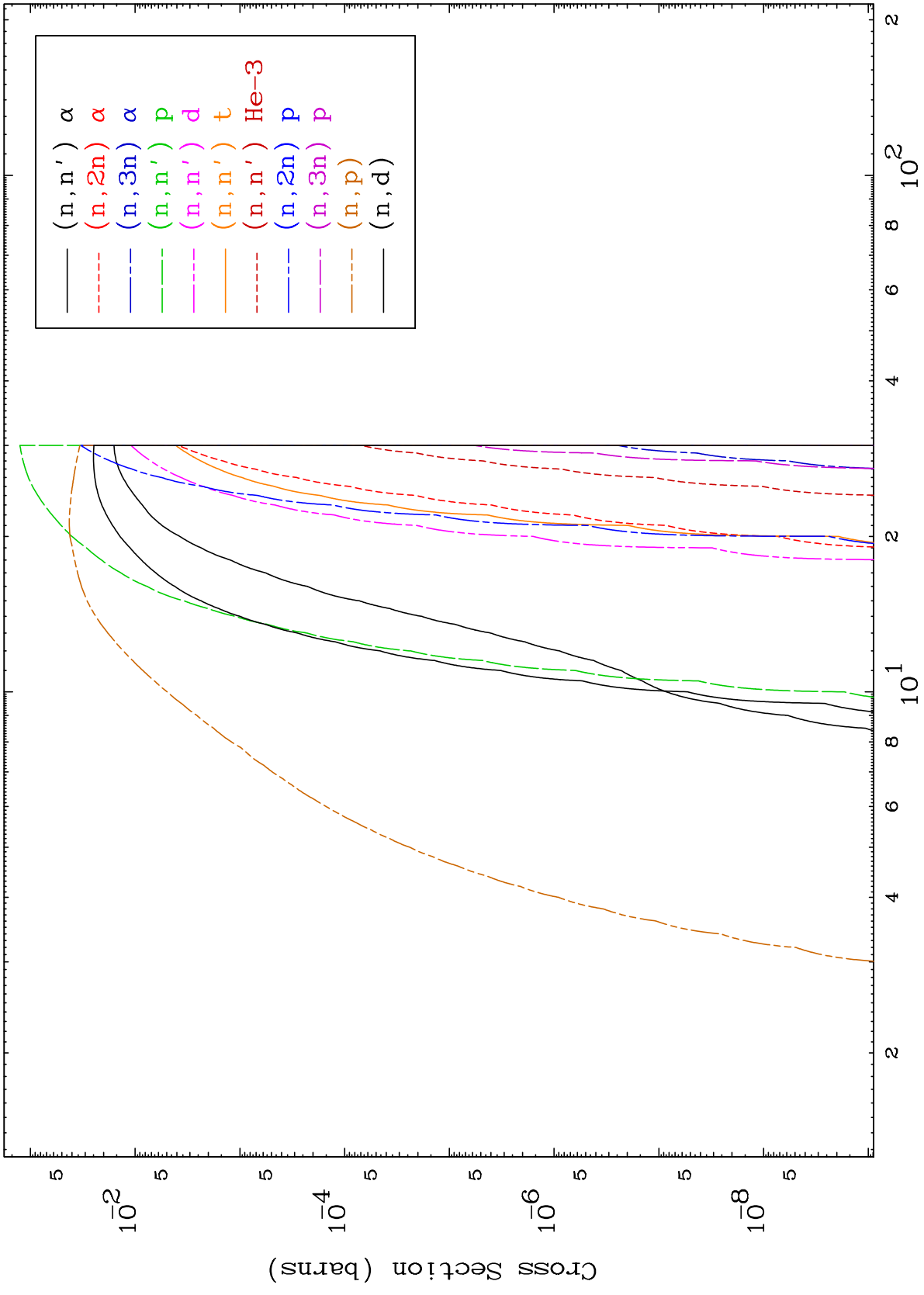
Neutron Absorption
293 Kelvin Cross Sections

54-Xe-128



54-Xe-128

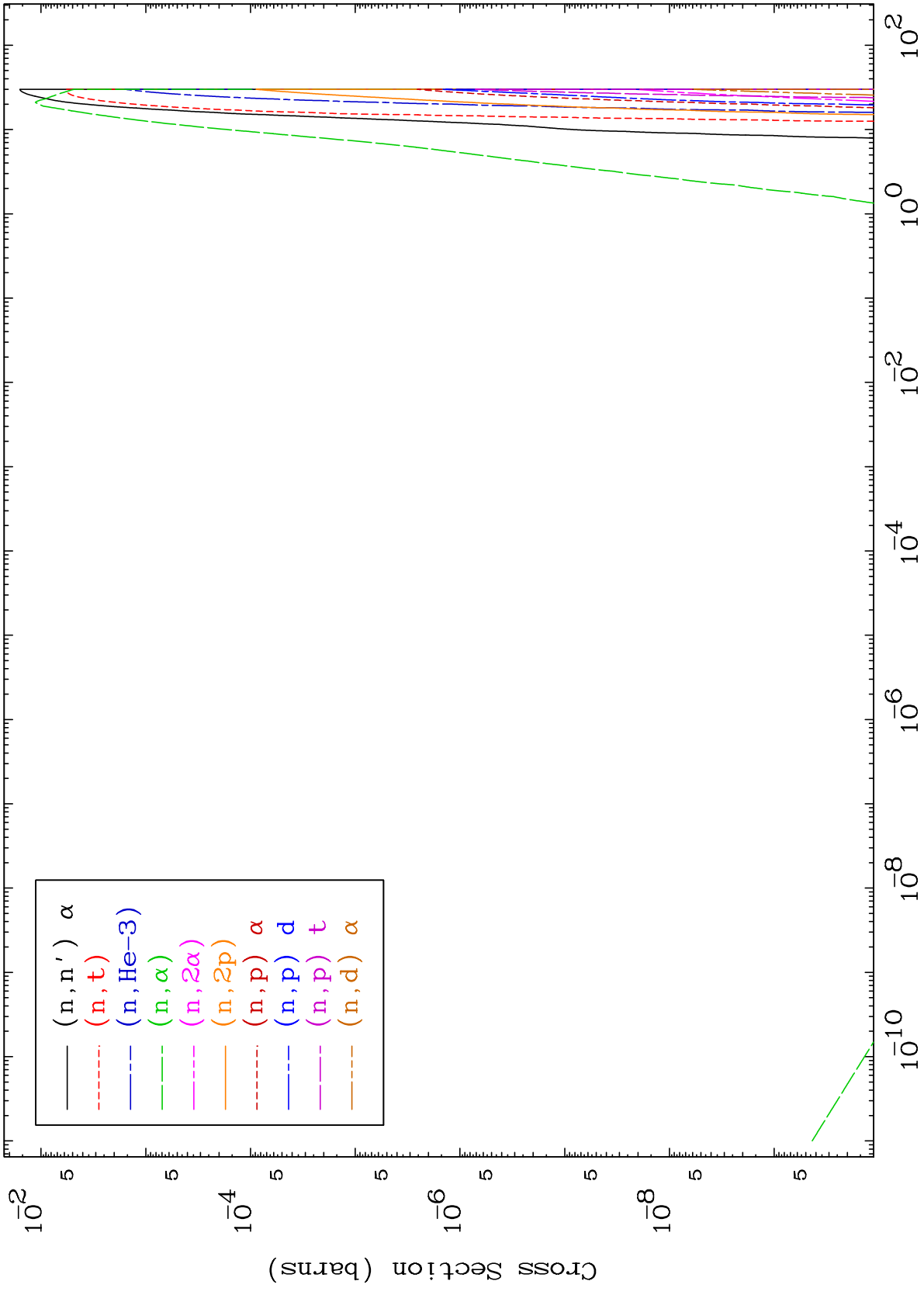
Incident Energy (MeV)



MAT 5437

Charged Particle
293 Kelvin Cross Sections

54-Xe-128

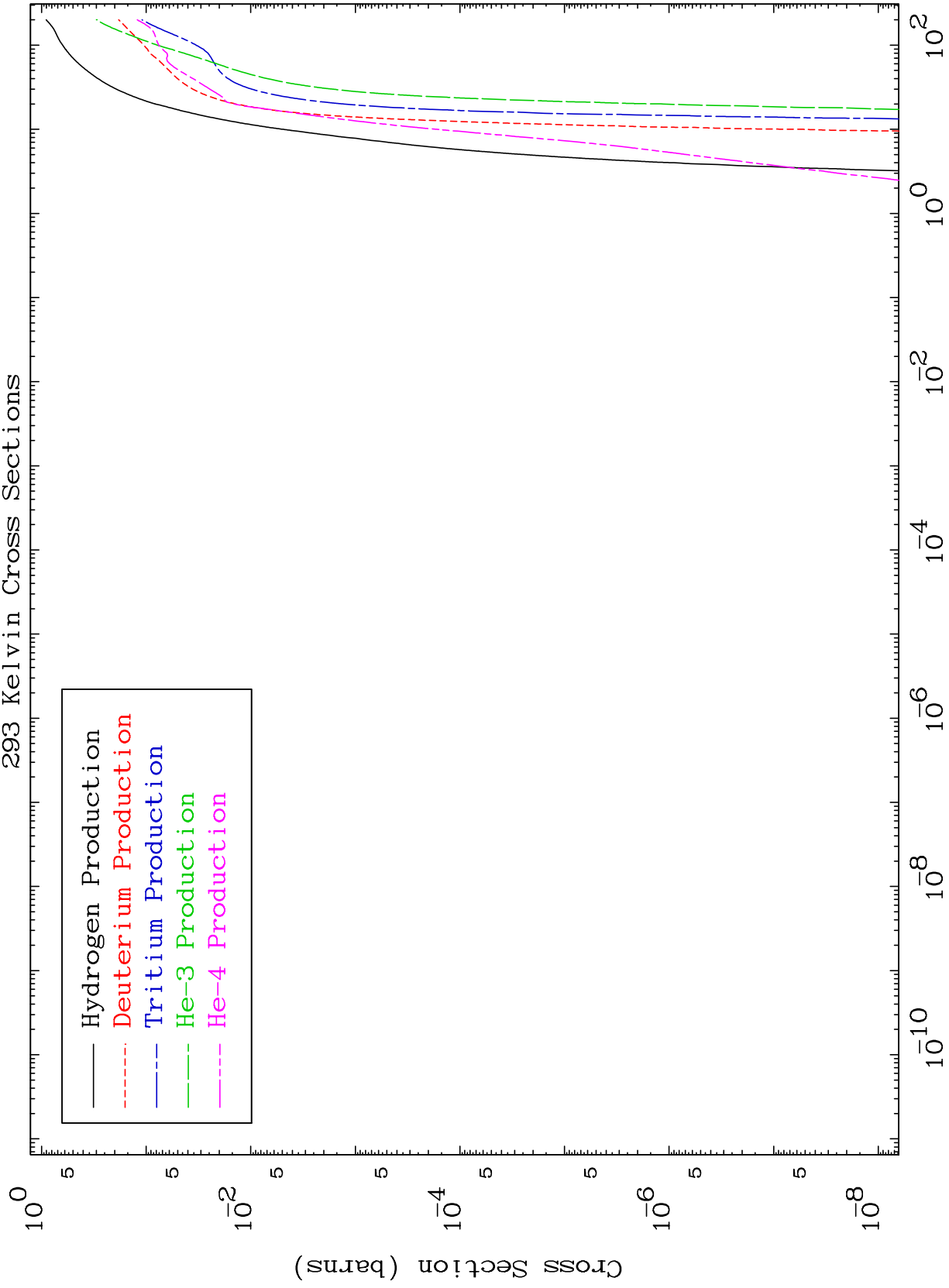


54-Xe-128

MAT 5437

Particle Production
293 Kelvin Cross Sections

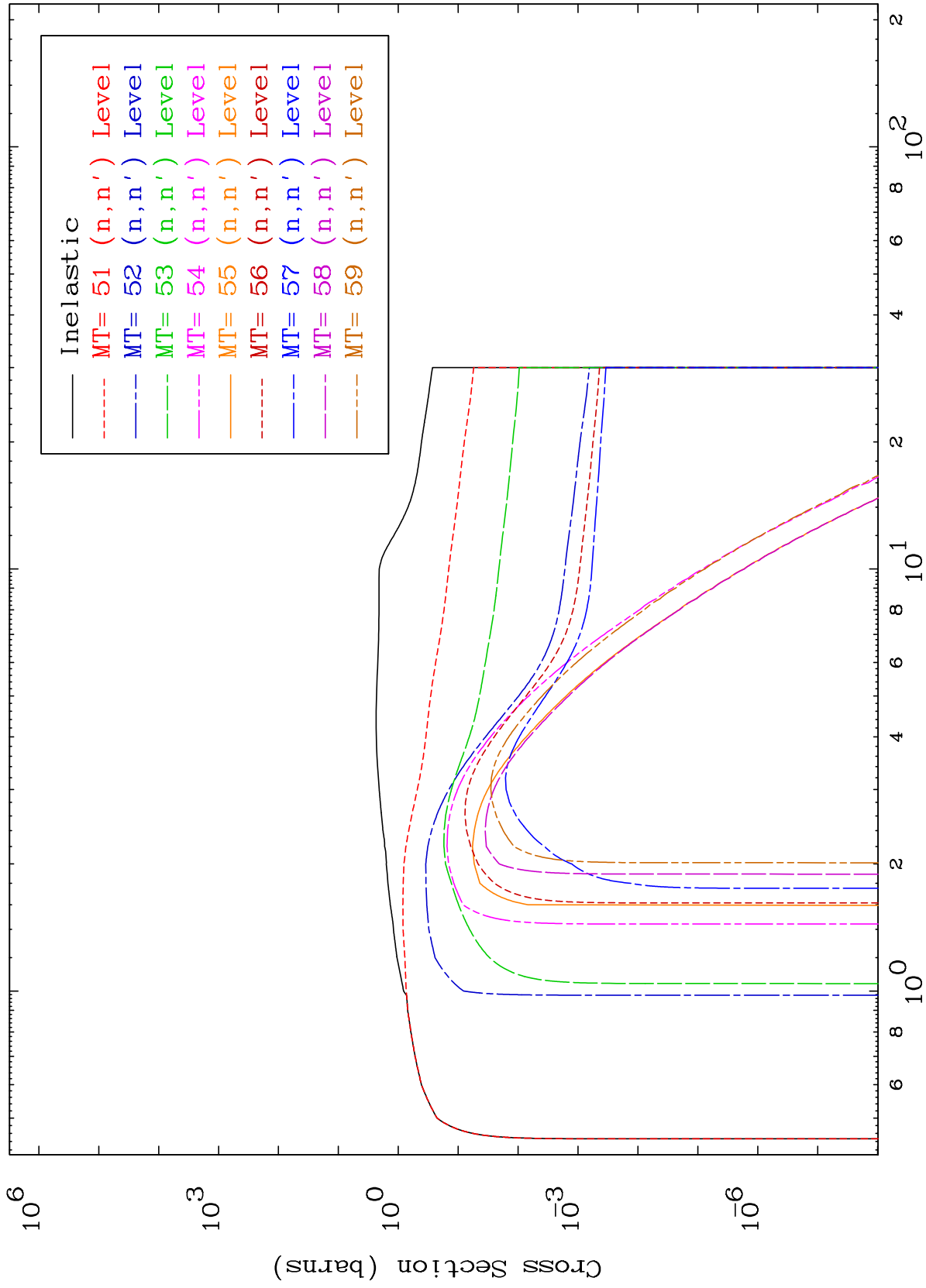
54-Xe-128



MAT 5437

(n,n') Levels
293 Kelvin Cross Sections

54-Xe-128

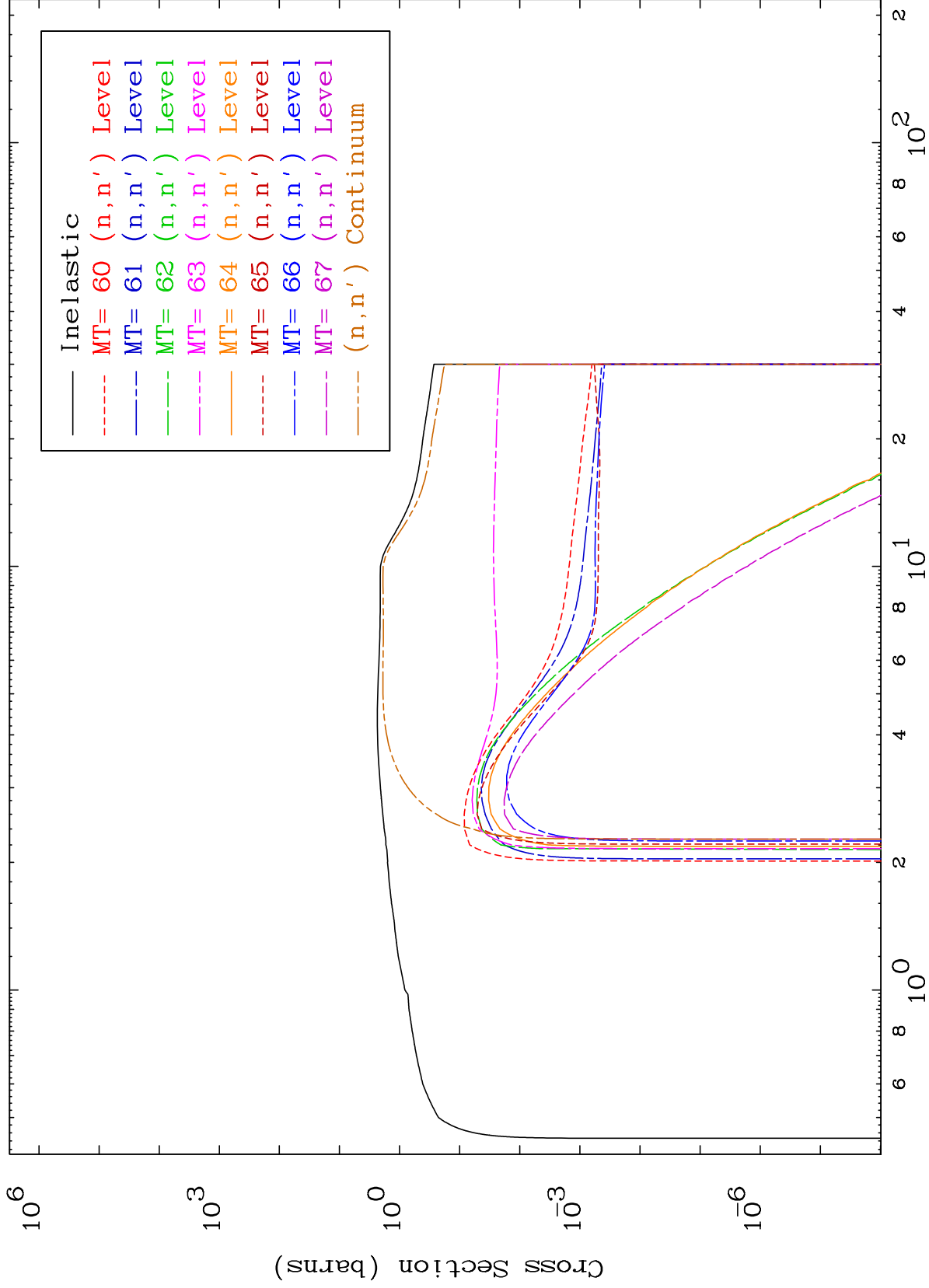


8

Incident Energy (MeV)

54-Xe-128

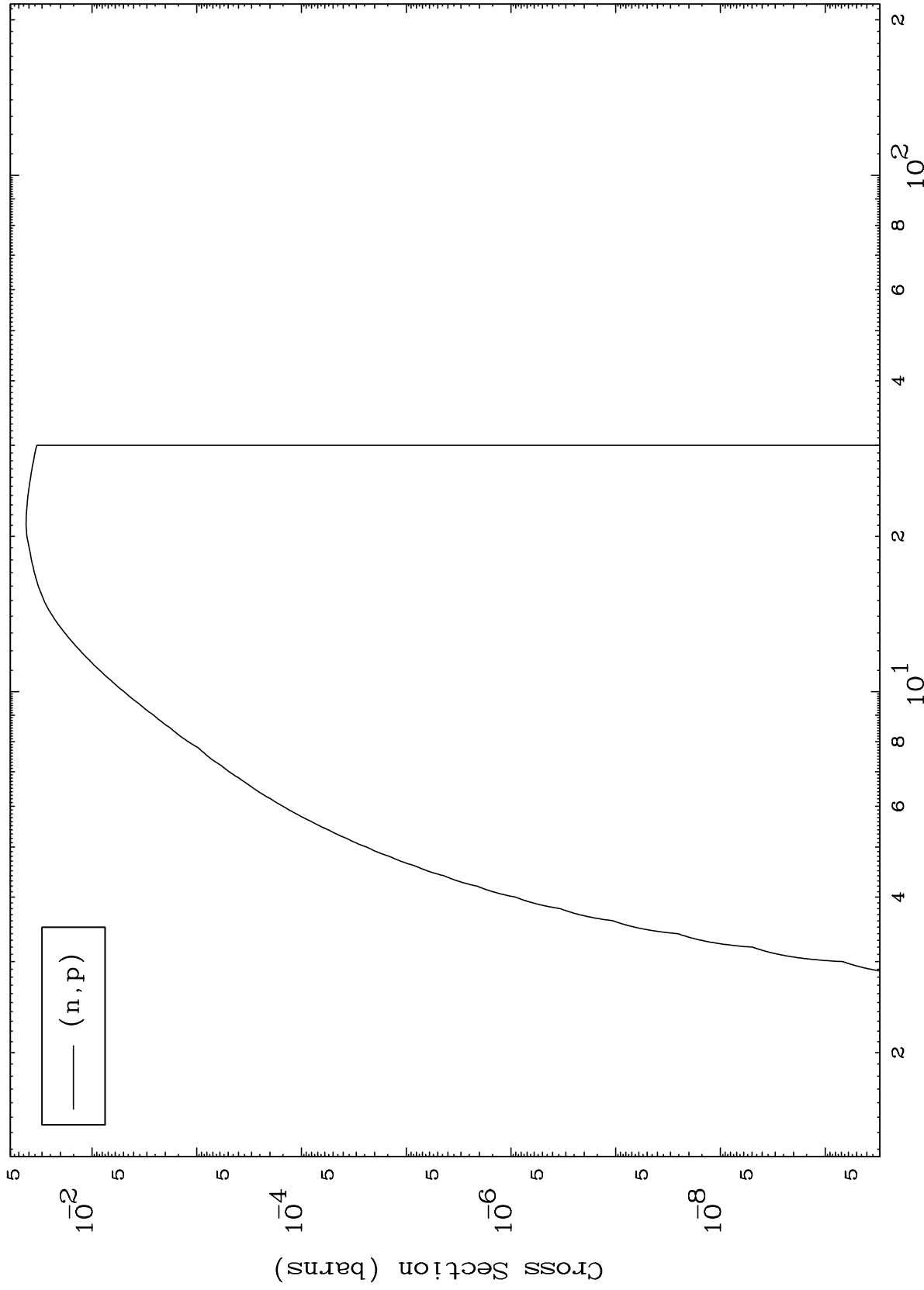
293 Kelvin Cross Sections



MAT 5437

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-128



10

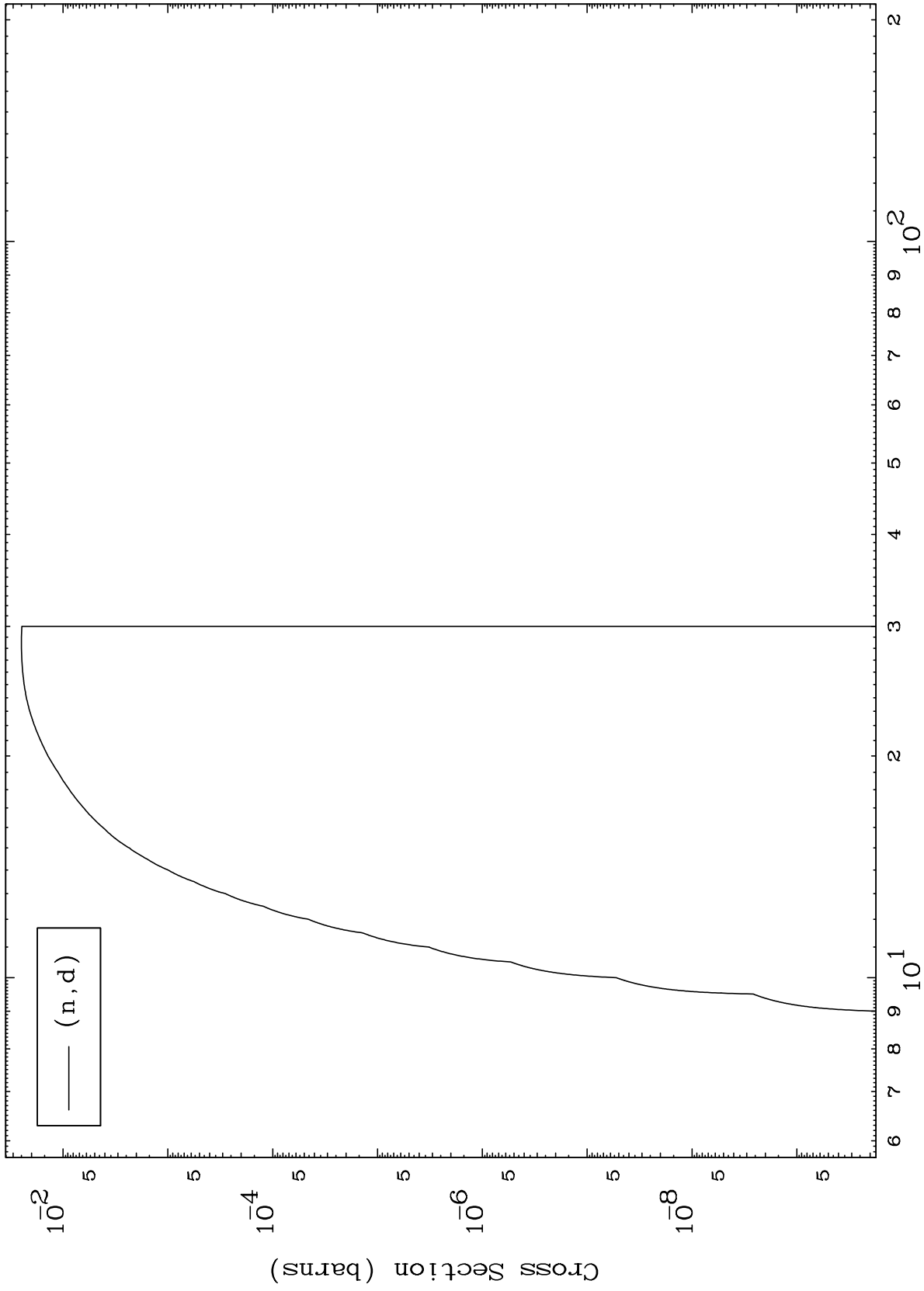
Incident Energy (MeV)

54-Xe-128

MAT 5437

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-128



11

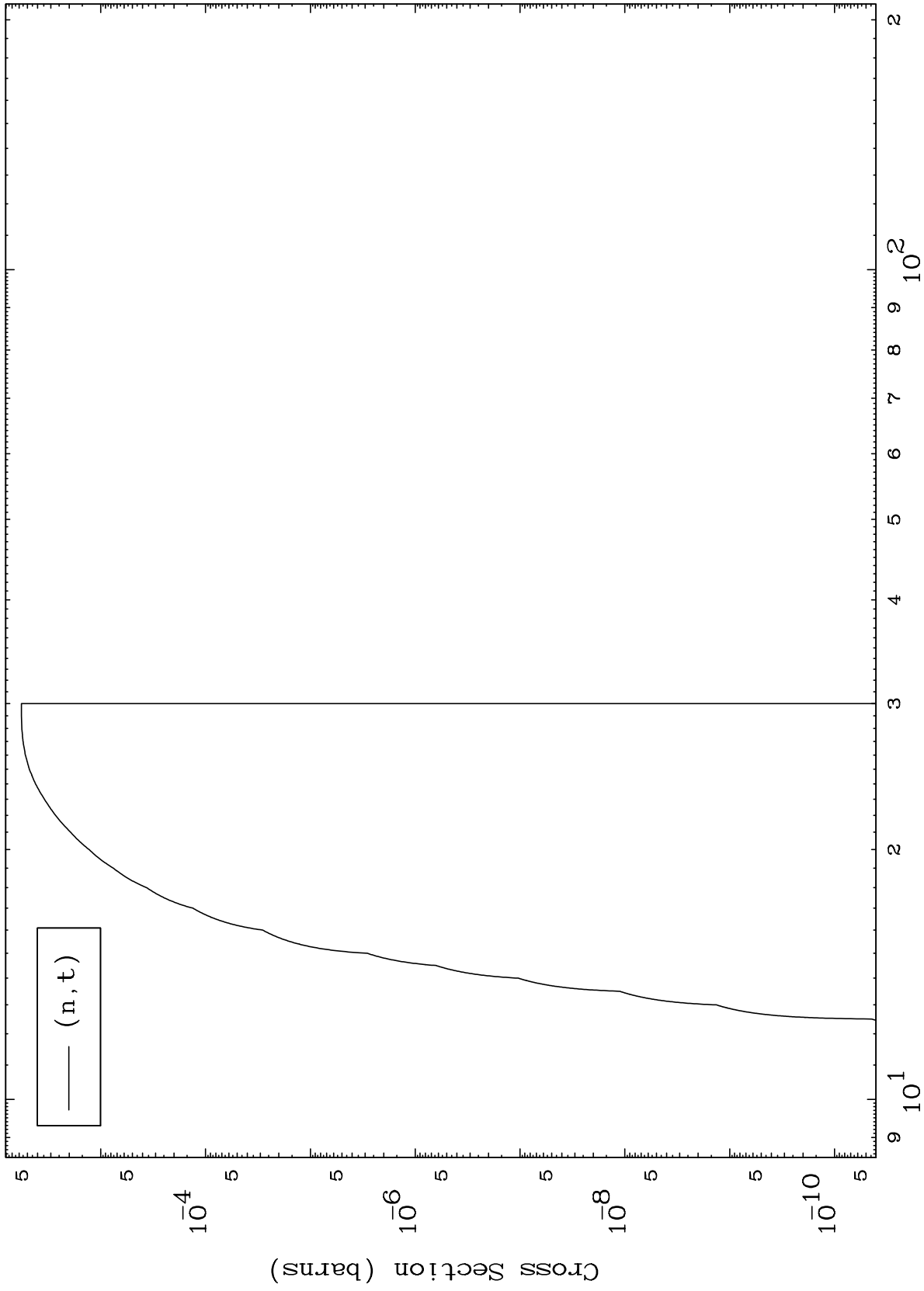
Incident Energy (MeV)

54-Xe-128

MAT 5437

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-128



12

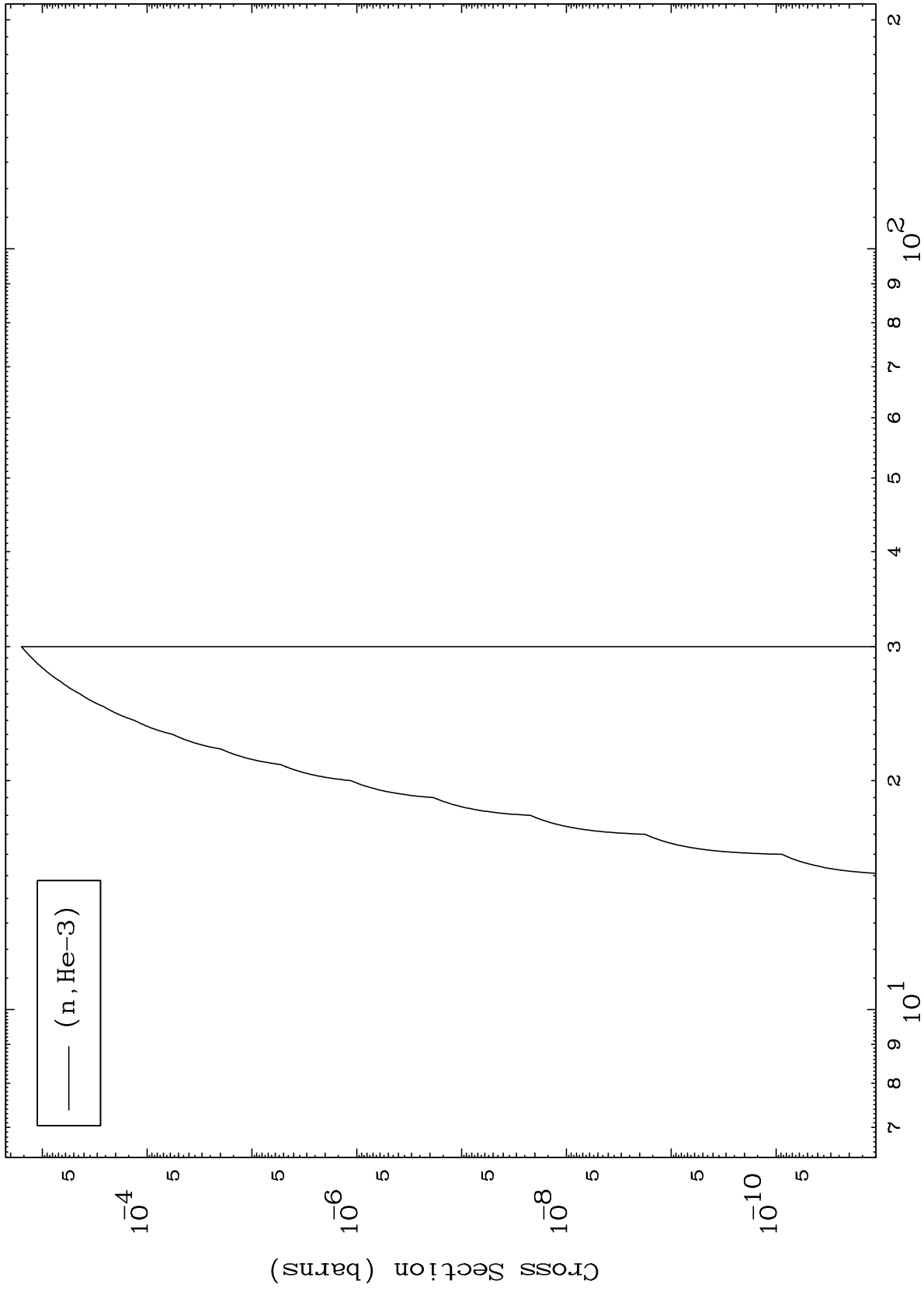
Incident Energy (MeV)

54-Xe-128

MAT 5437

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-128



13

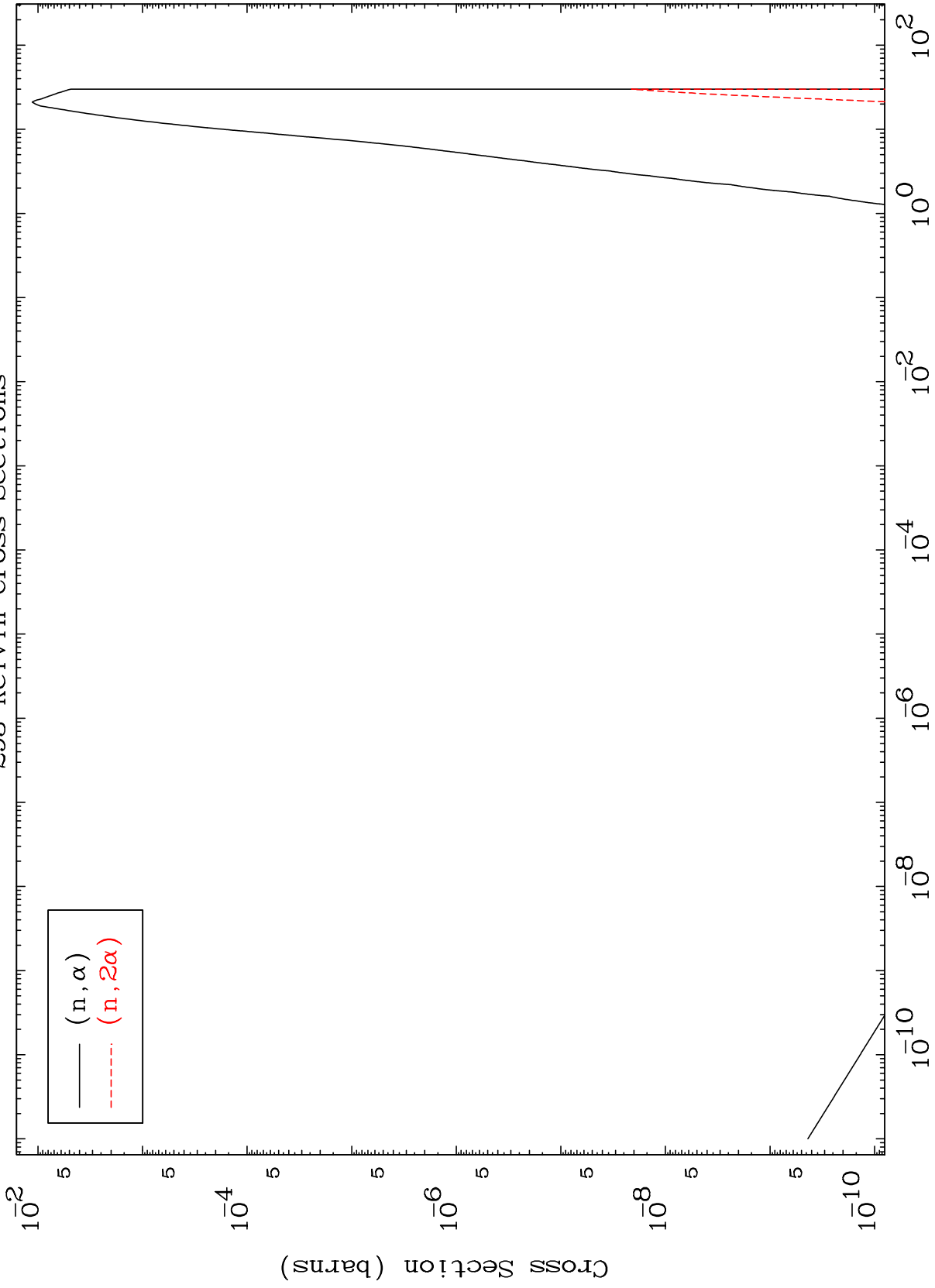
Incident Energy (MeV)

54-Xe-128

MAT 5437

(n,α) Levels
293 Kelvin Cross Sections

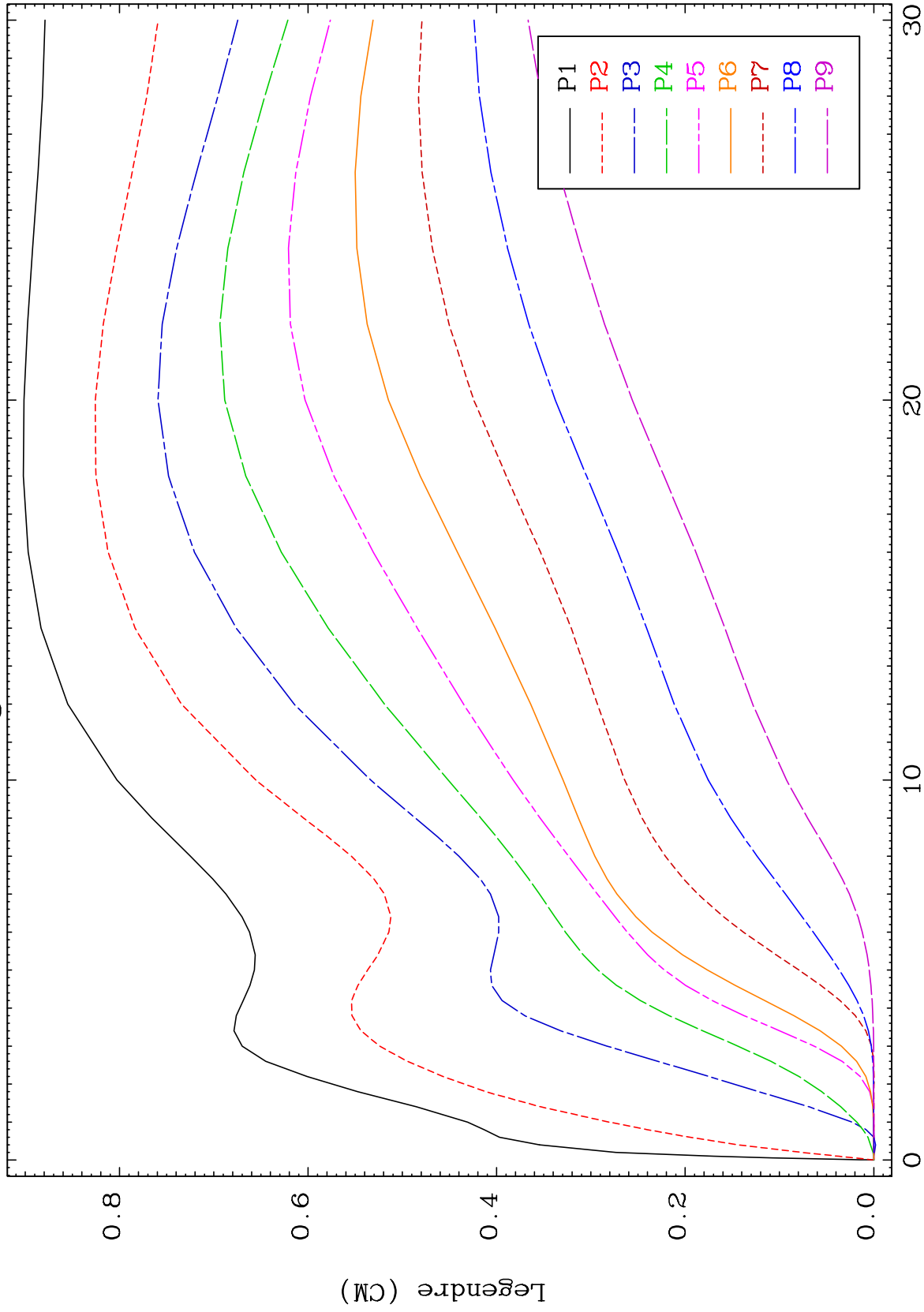
54-Xe-128



MAT 5437

Elastic Legendre Coefficients

54-Xe-128



0

15

Incident Energy (MeV)

10

20

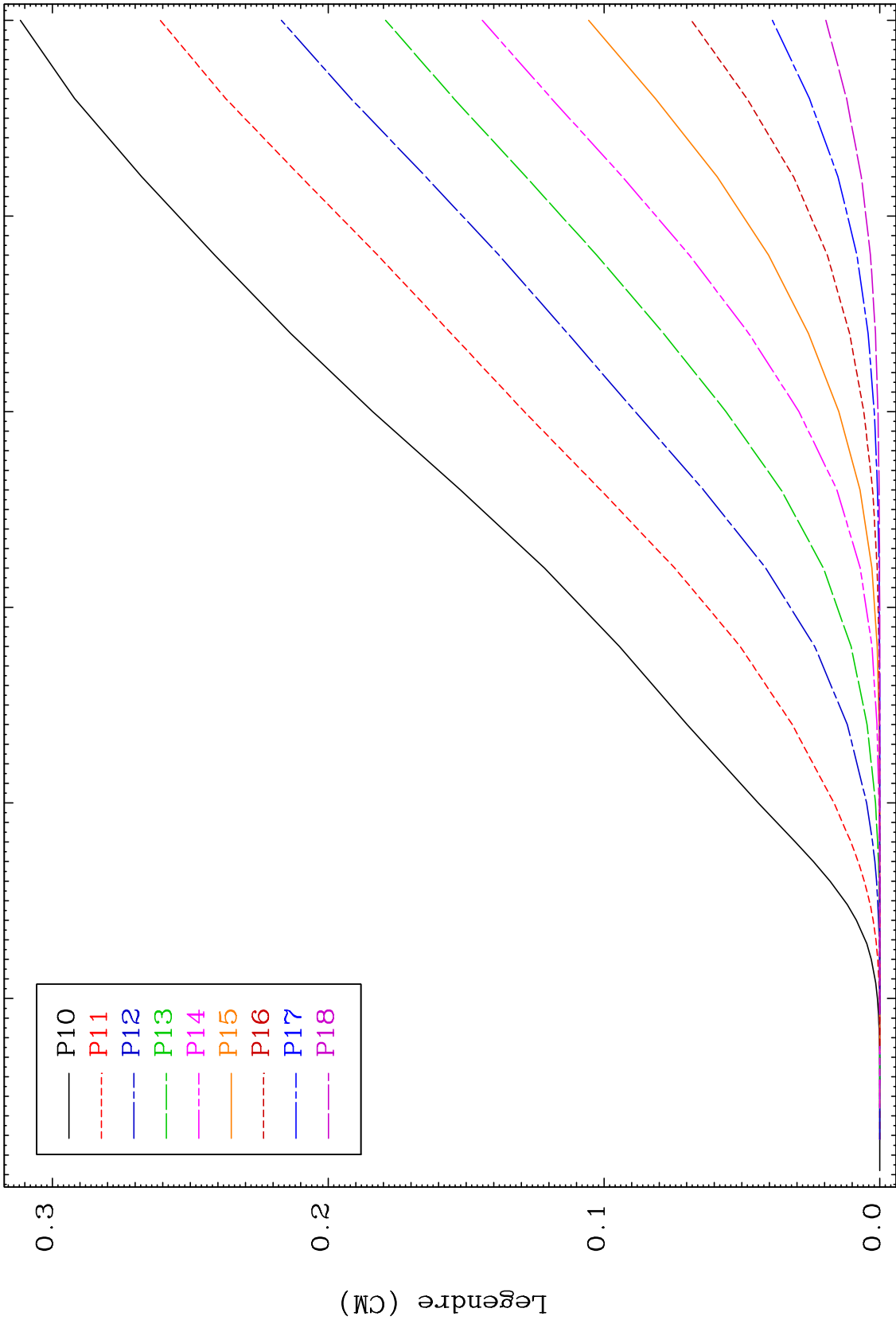
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54-Xe-128

MAT 5437

Elastic Legendre Coefficients

54-Xe-128



16

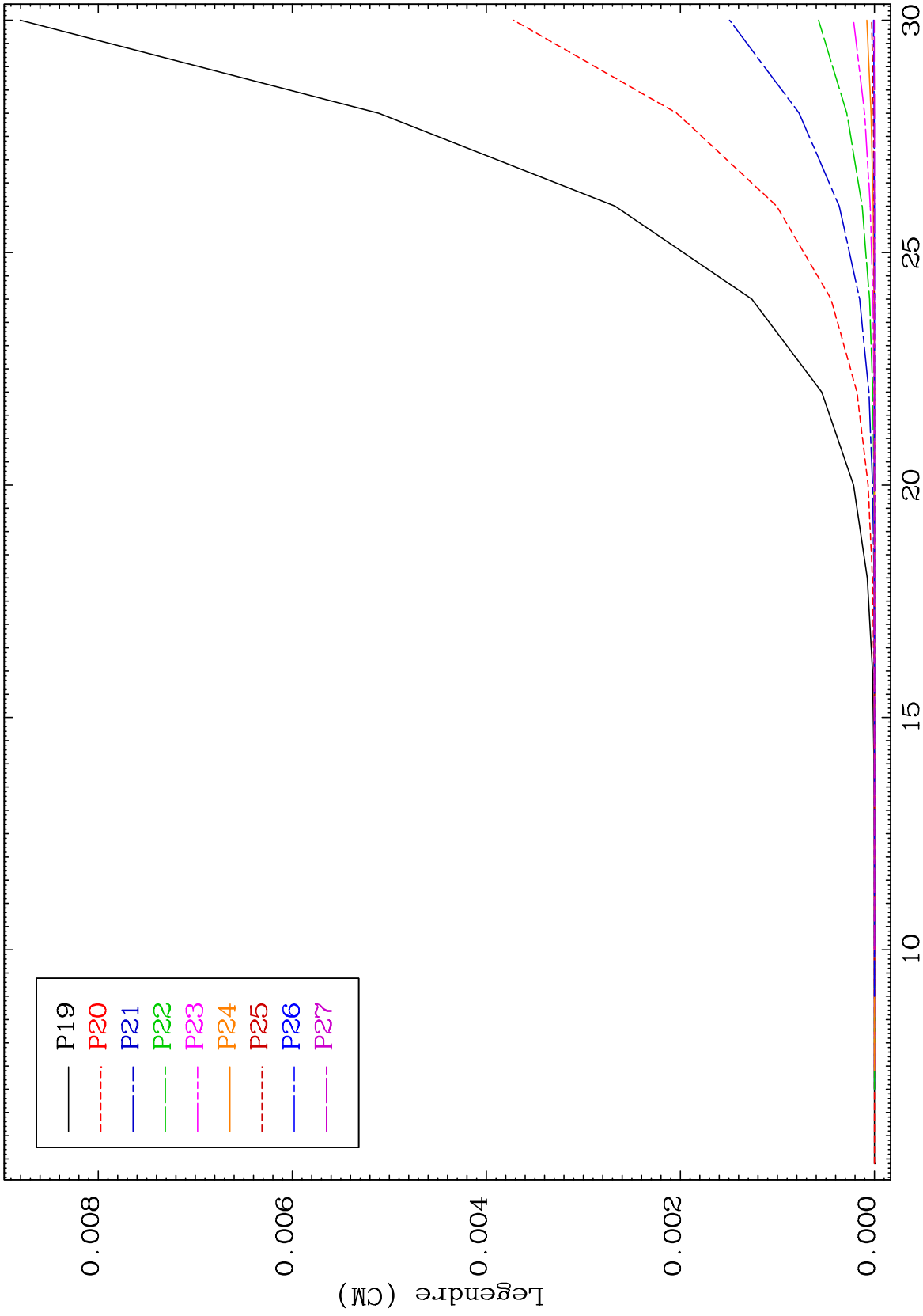
Incident Energy (MeV)

54-Xe-128

MAT 5437

Elastic Legendre Coefficients

54-Xe-128



17

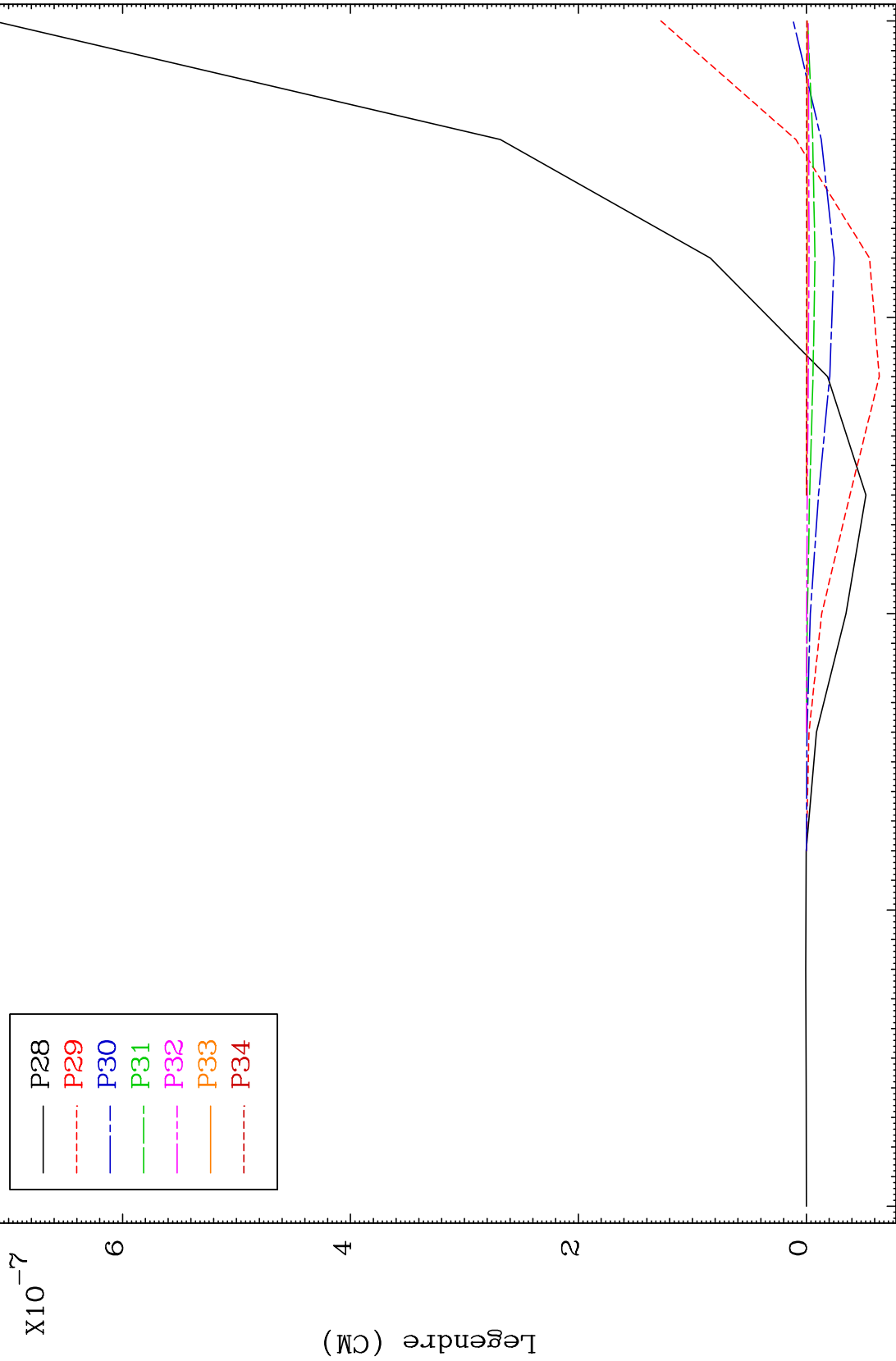
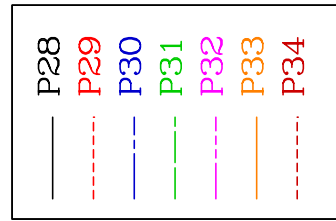
Incident Energy (MeV)

54-Xe-128

MAT 5437

Elastic Legendre Coefficients

54-Xe-128



18

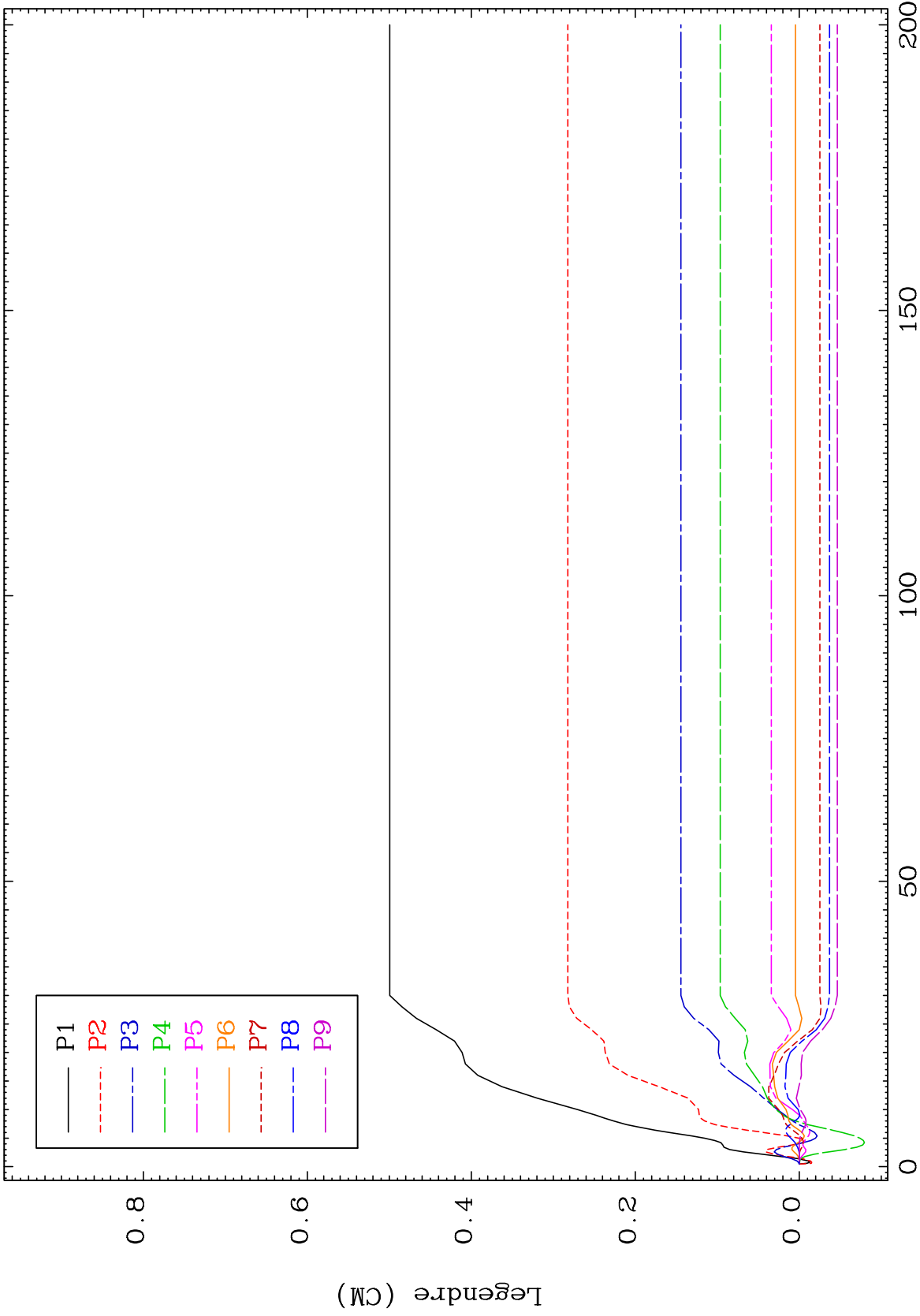
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



19

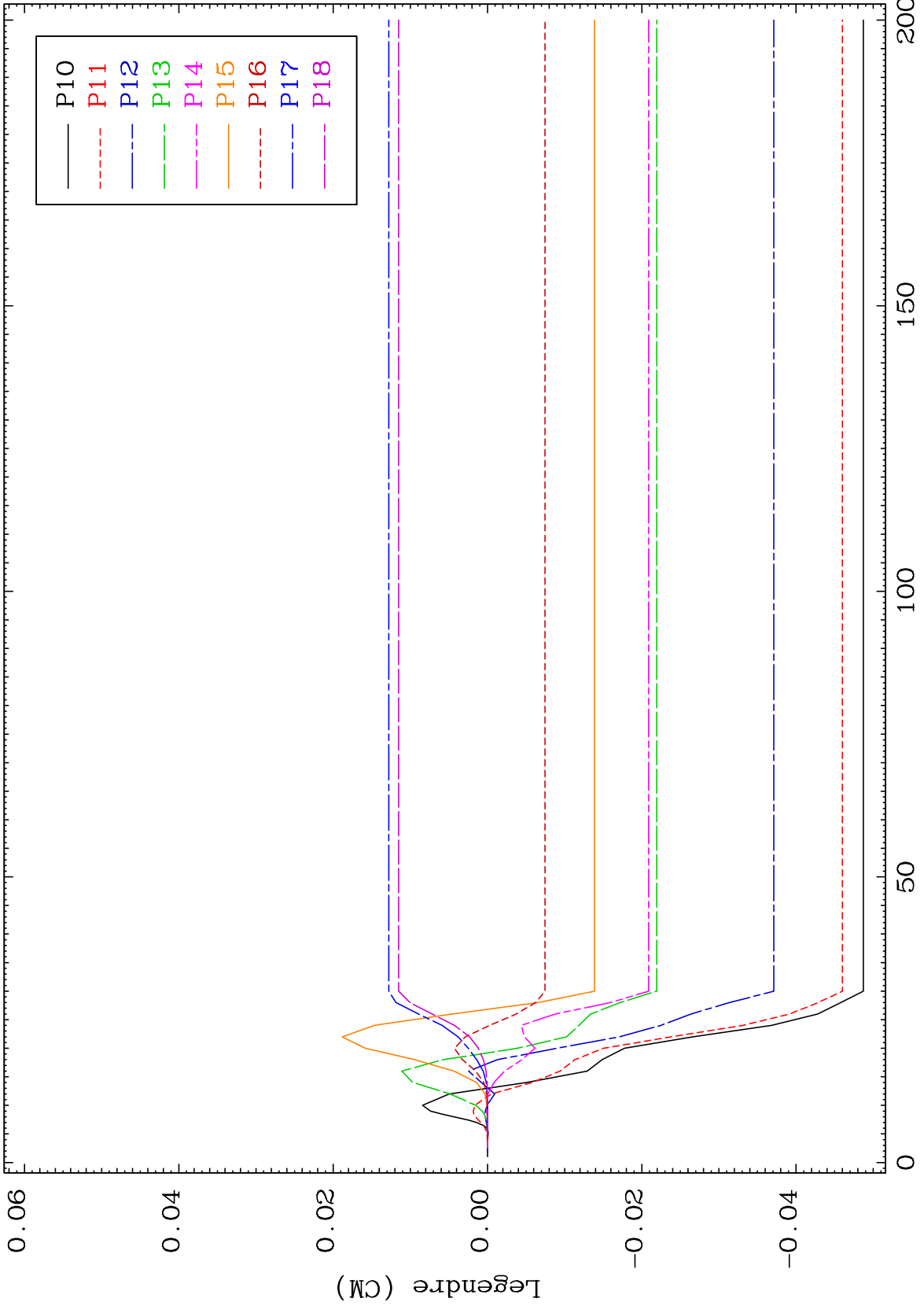
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



0

50

100

150

200

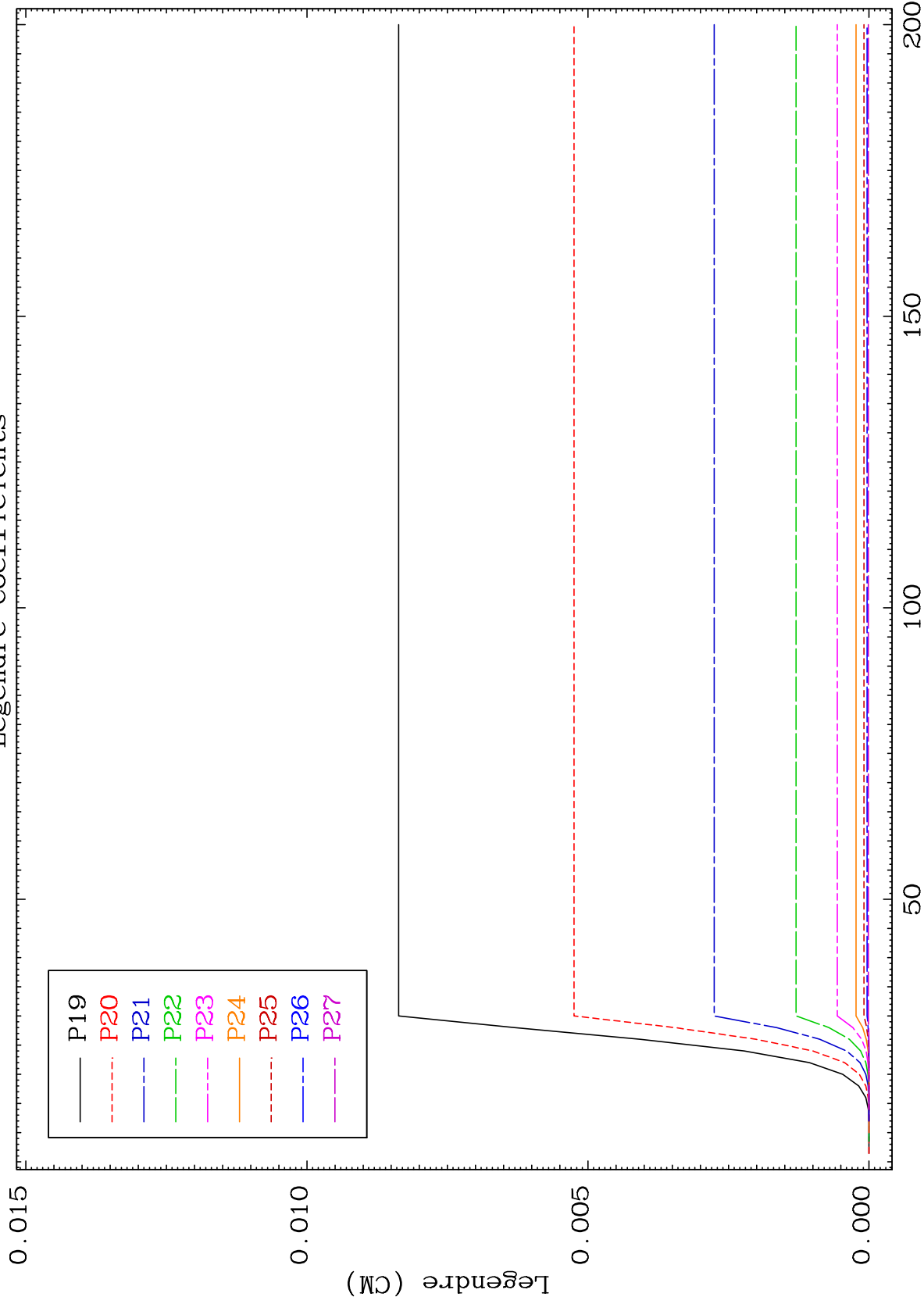
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



21

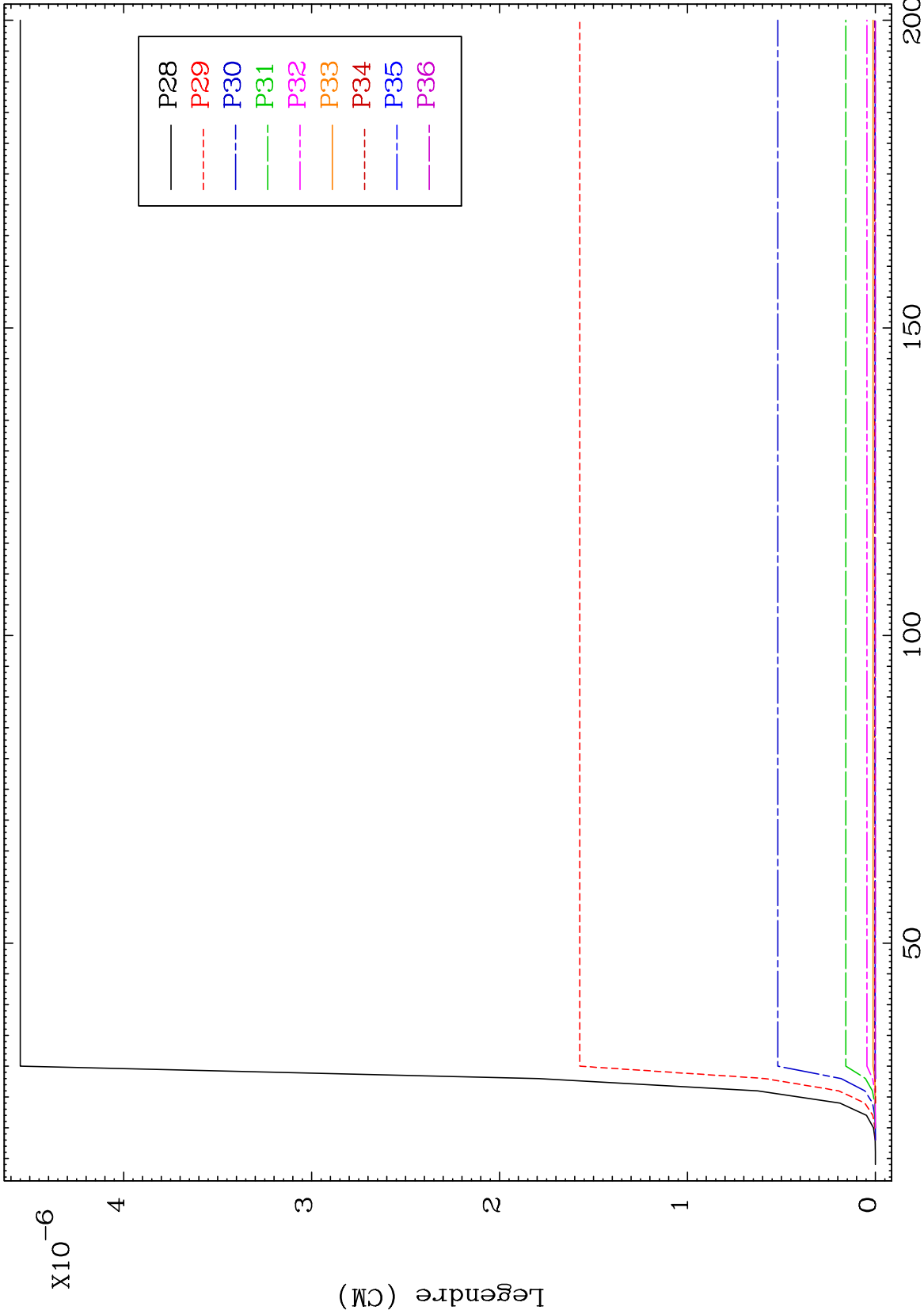
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



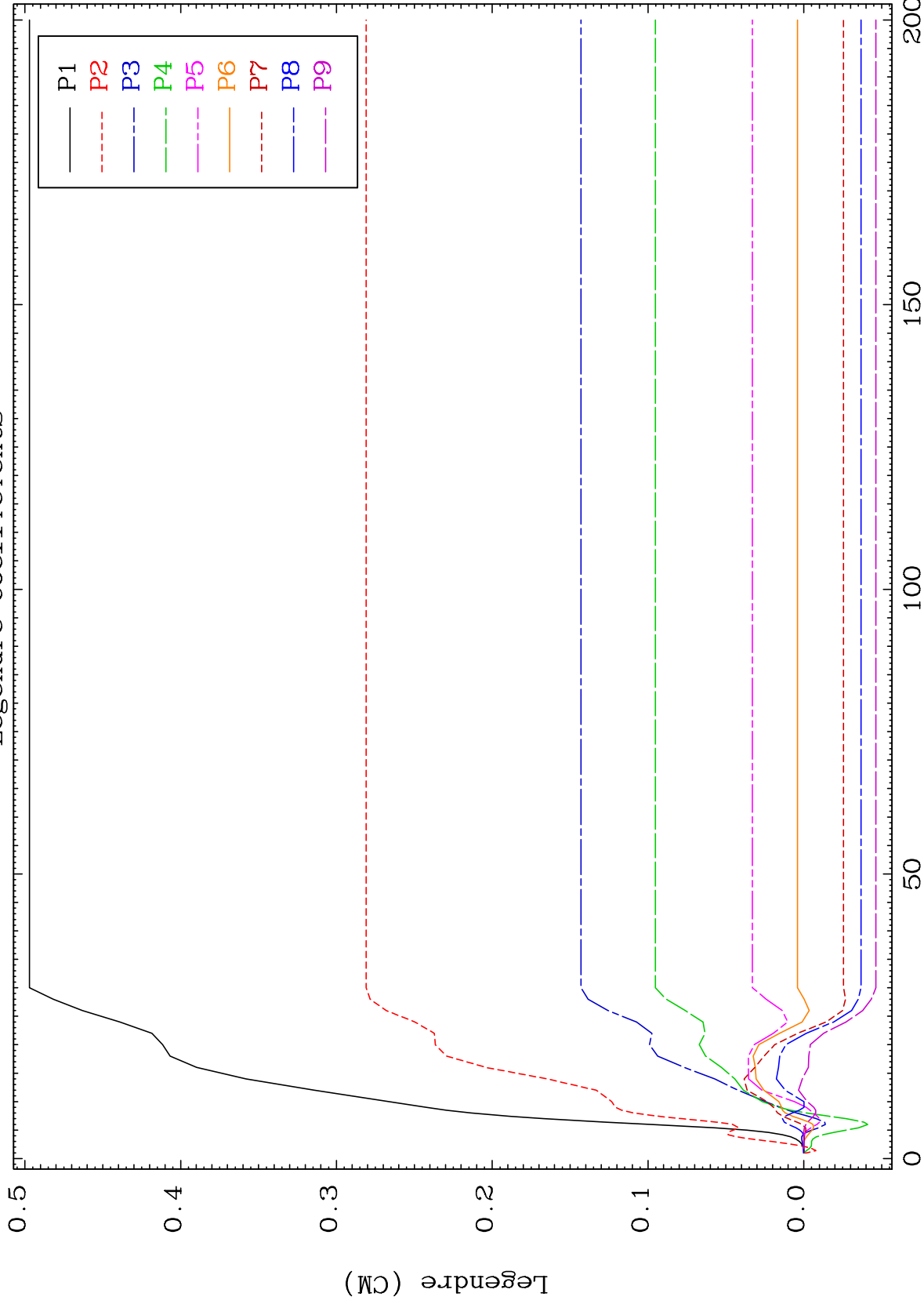
22

54-Xe-128

MAT 5437

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

54-Xe-128



23

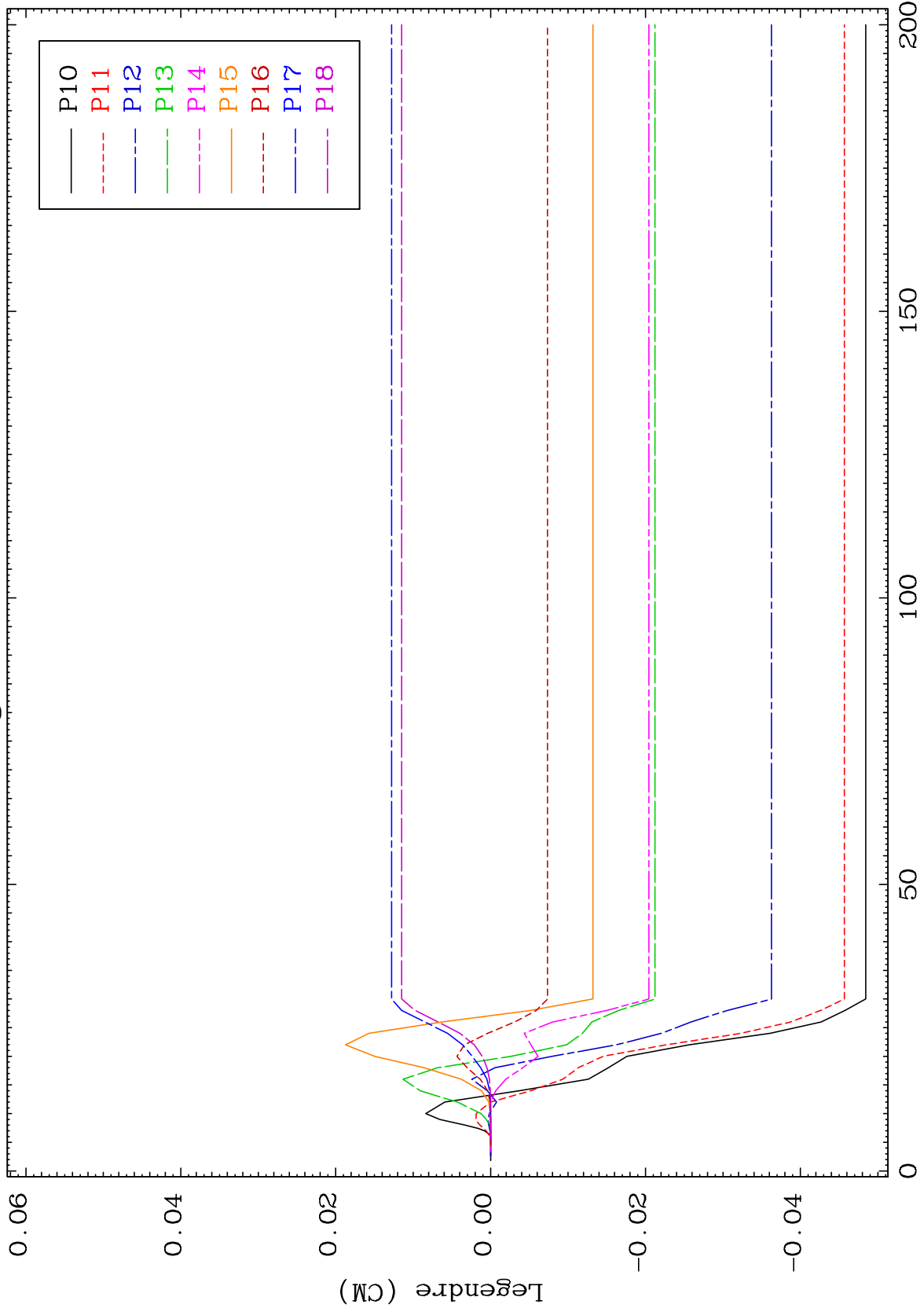
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



24

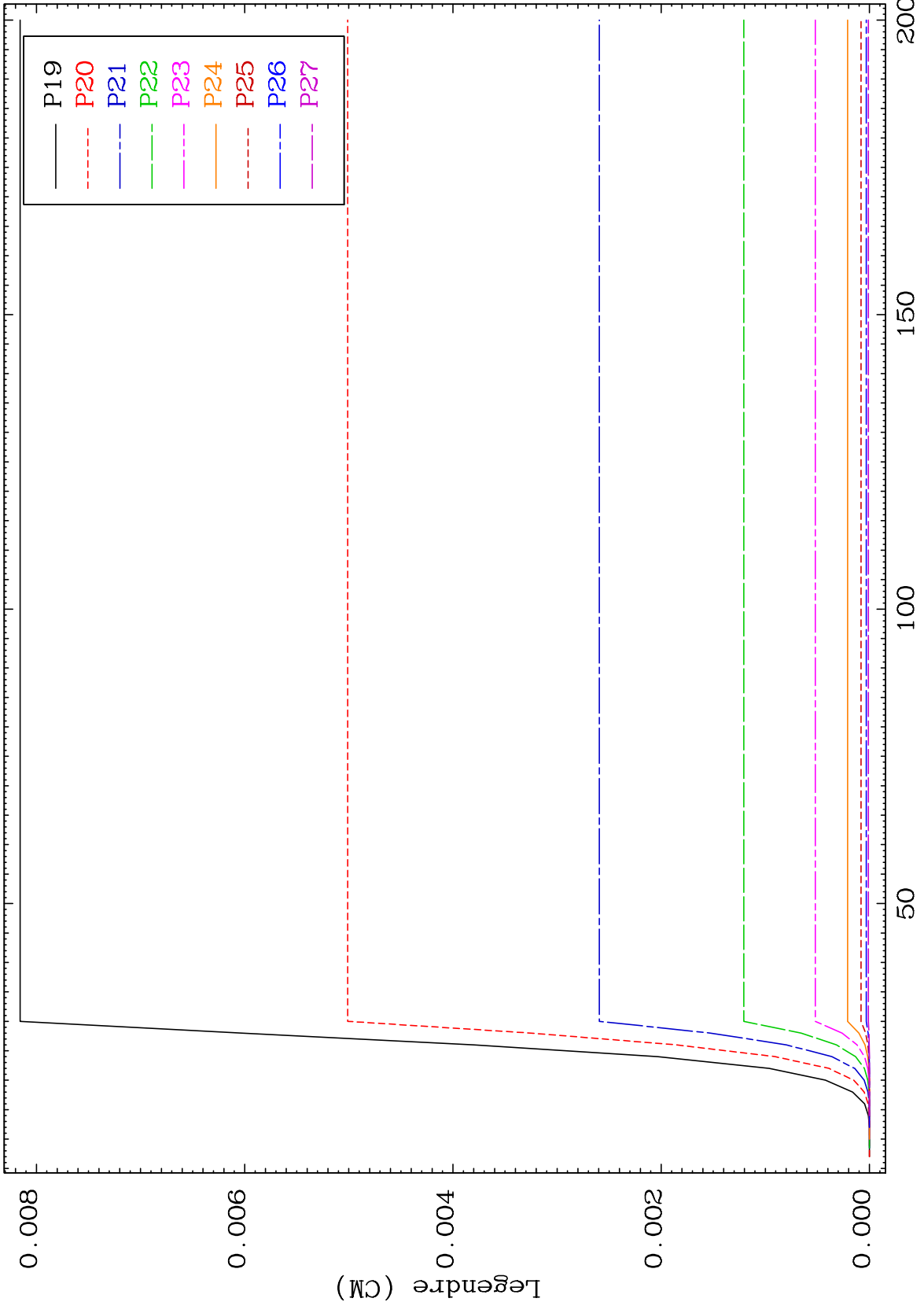
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



25

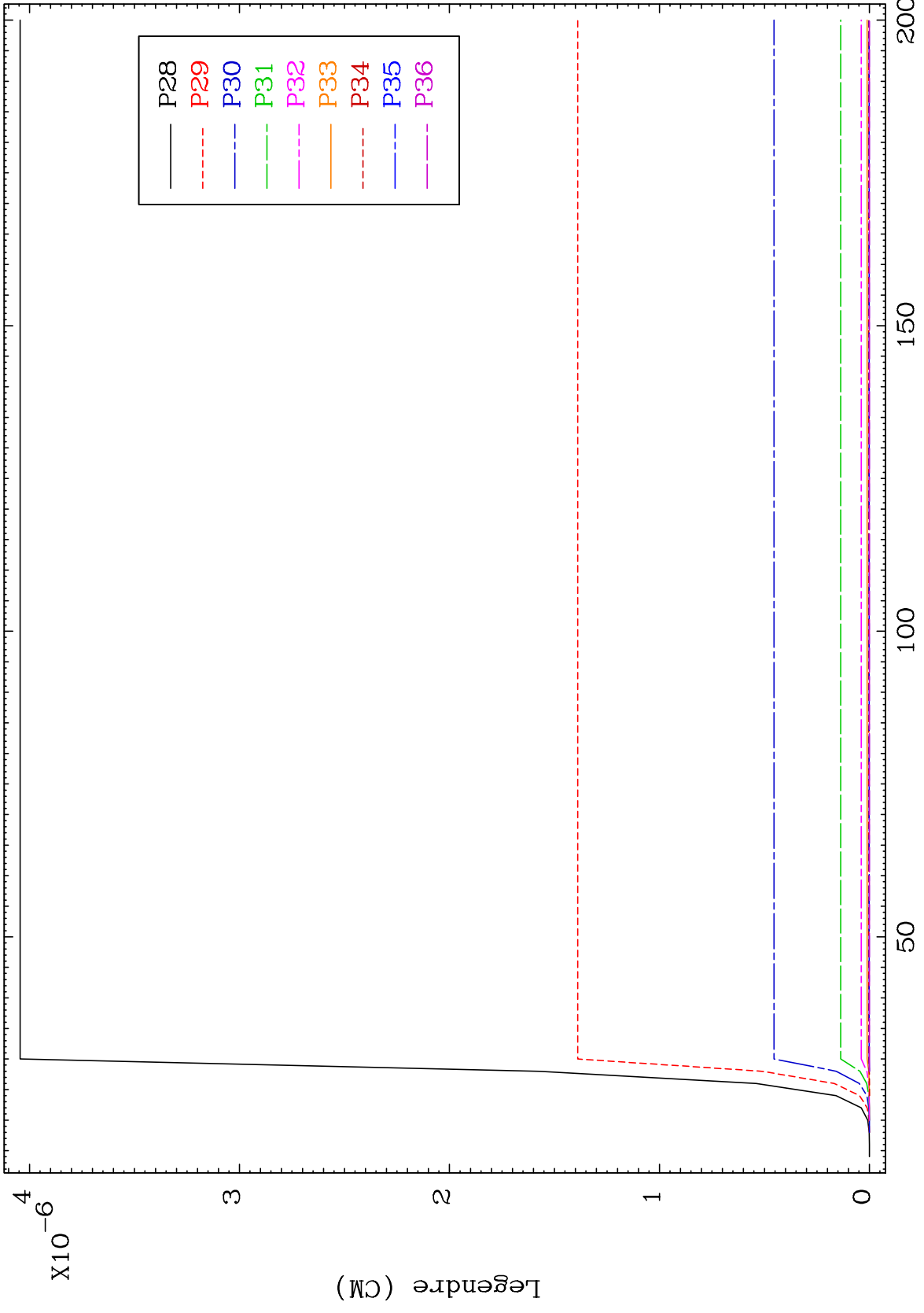
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



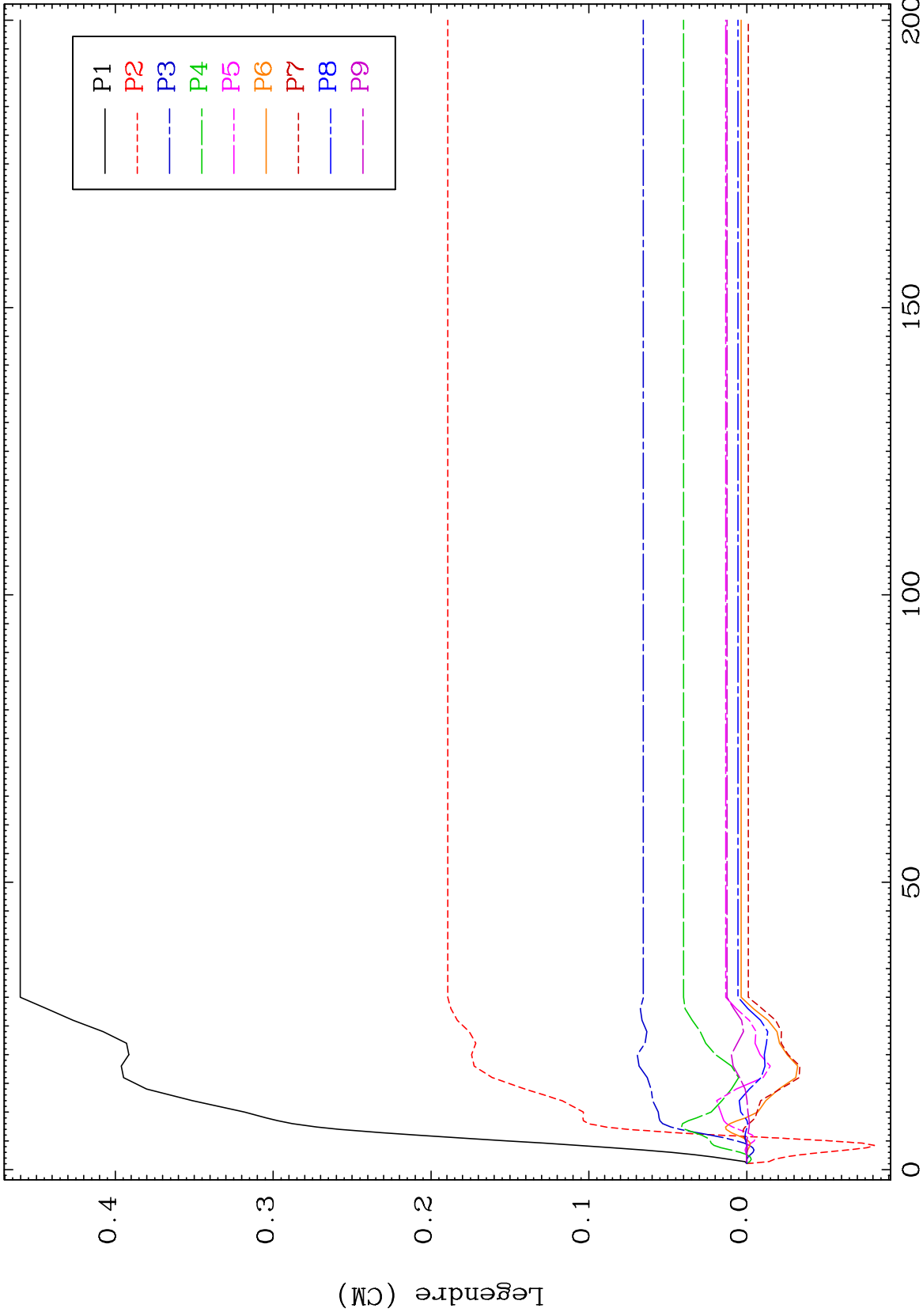
26

54-Xe-128

MAT 5437

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

54-Xe-128



27

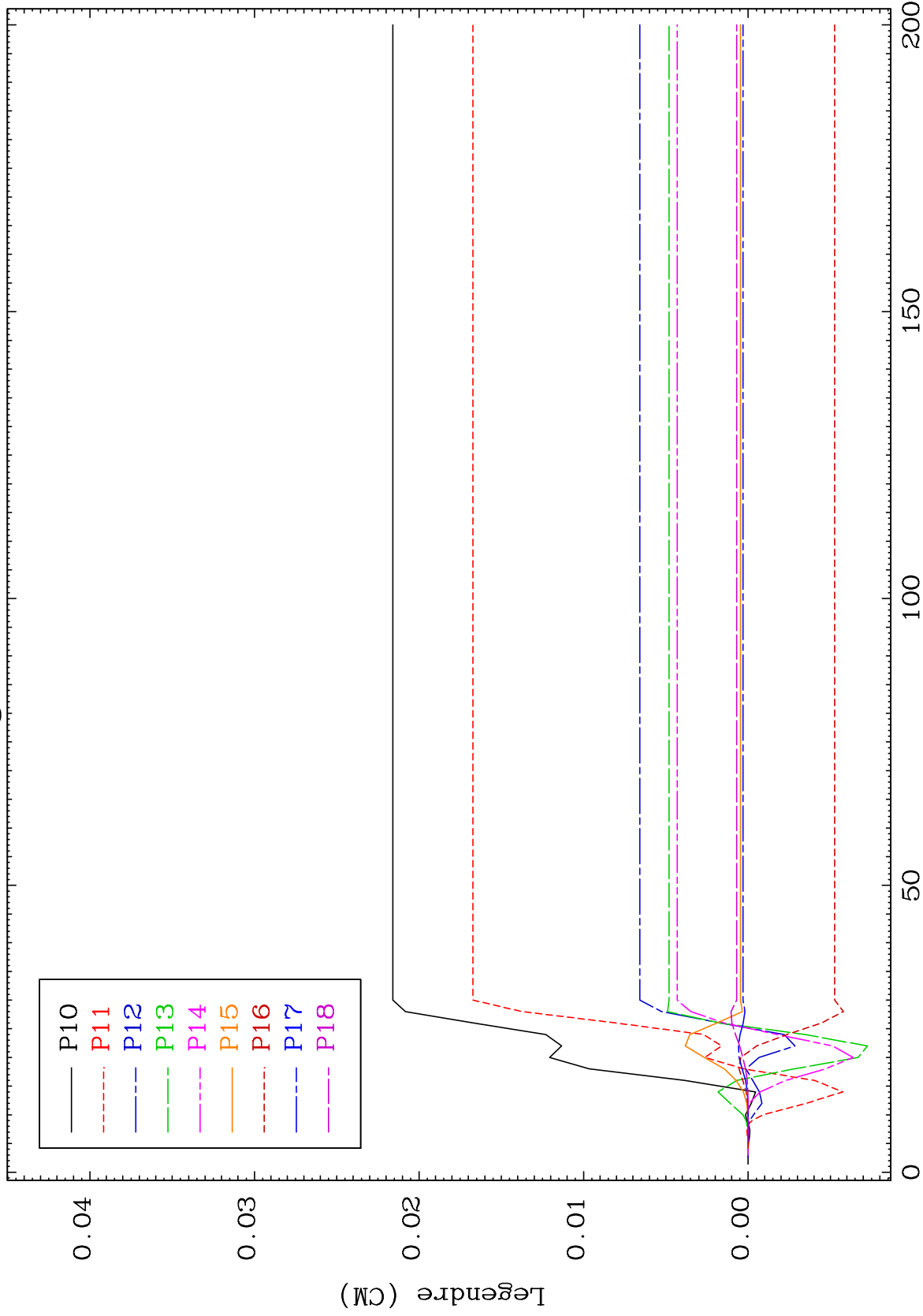
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



28

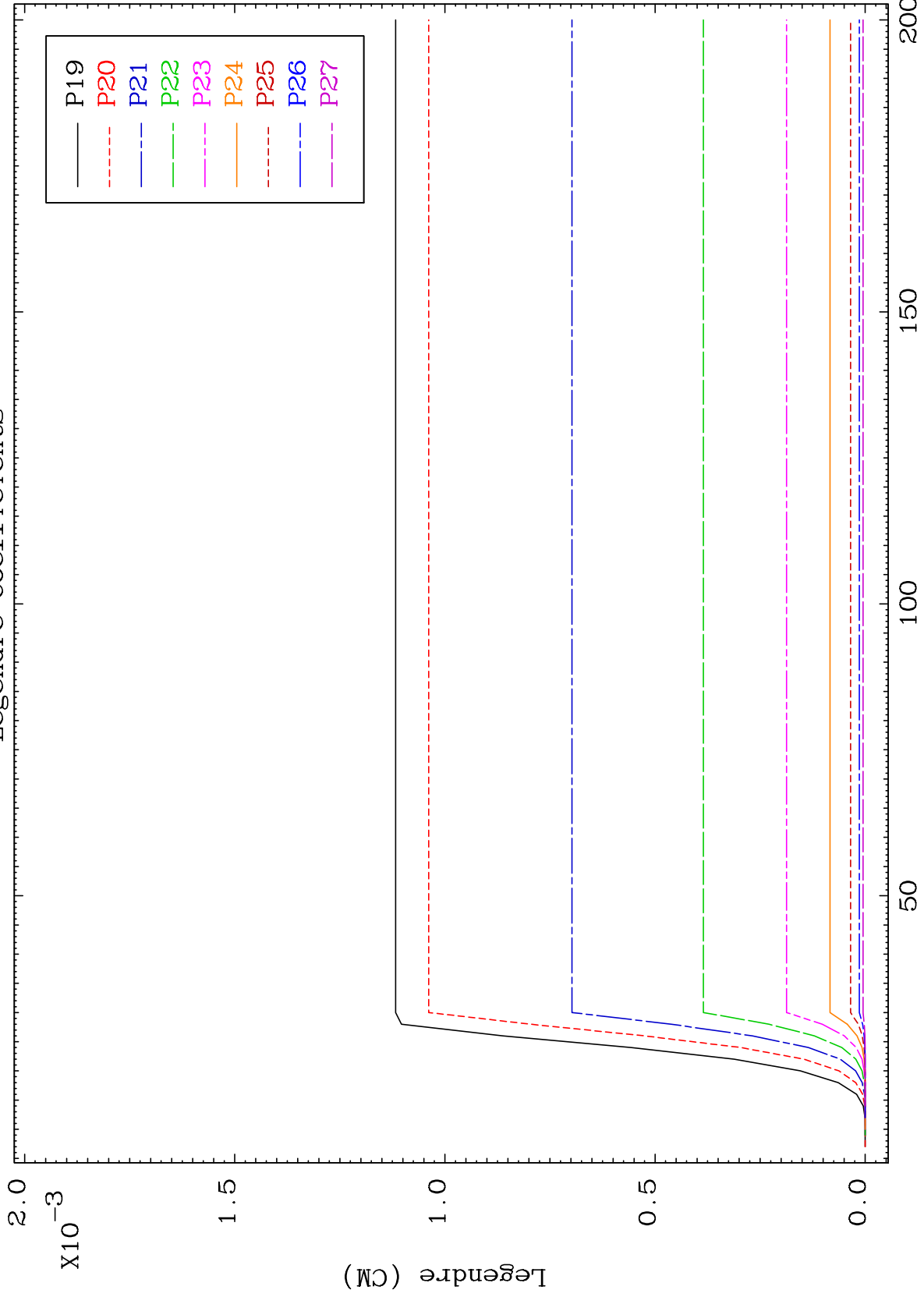
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



29

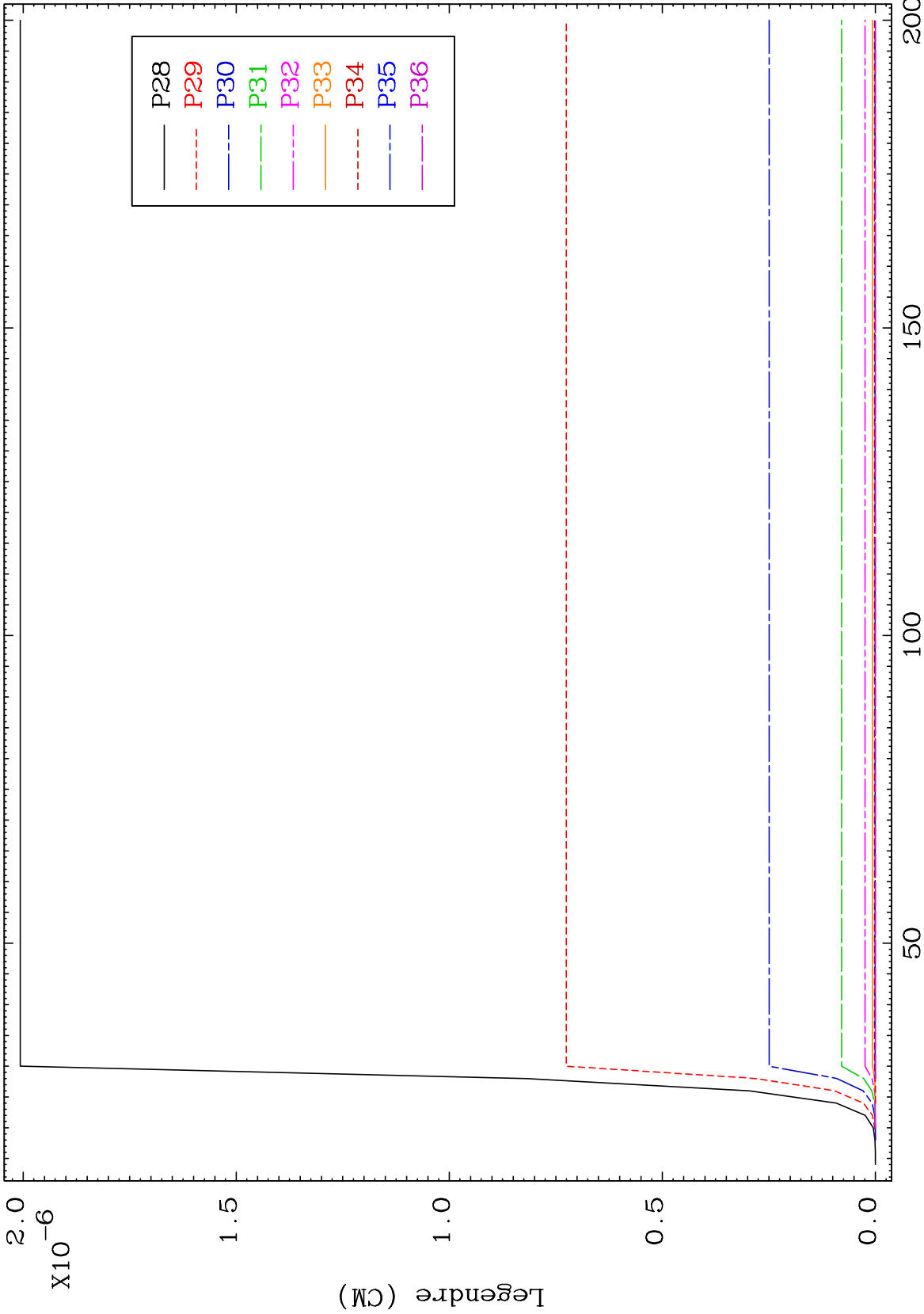
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



30

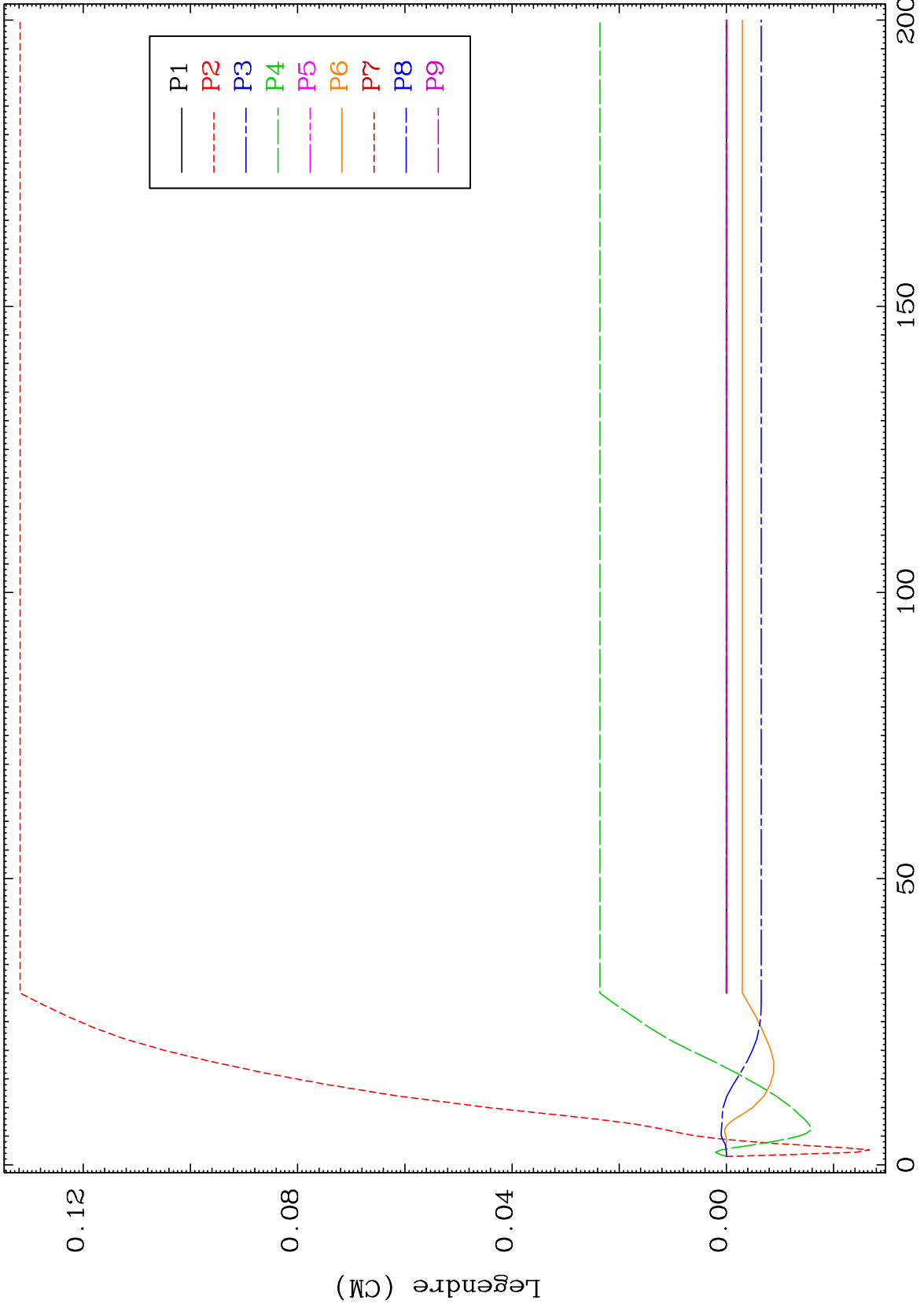
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



31

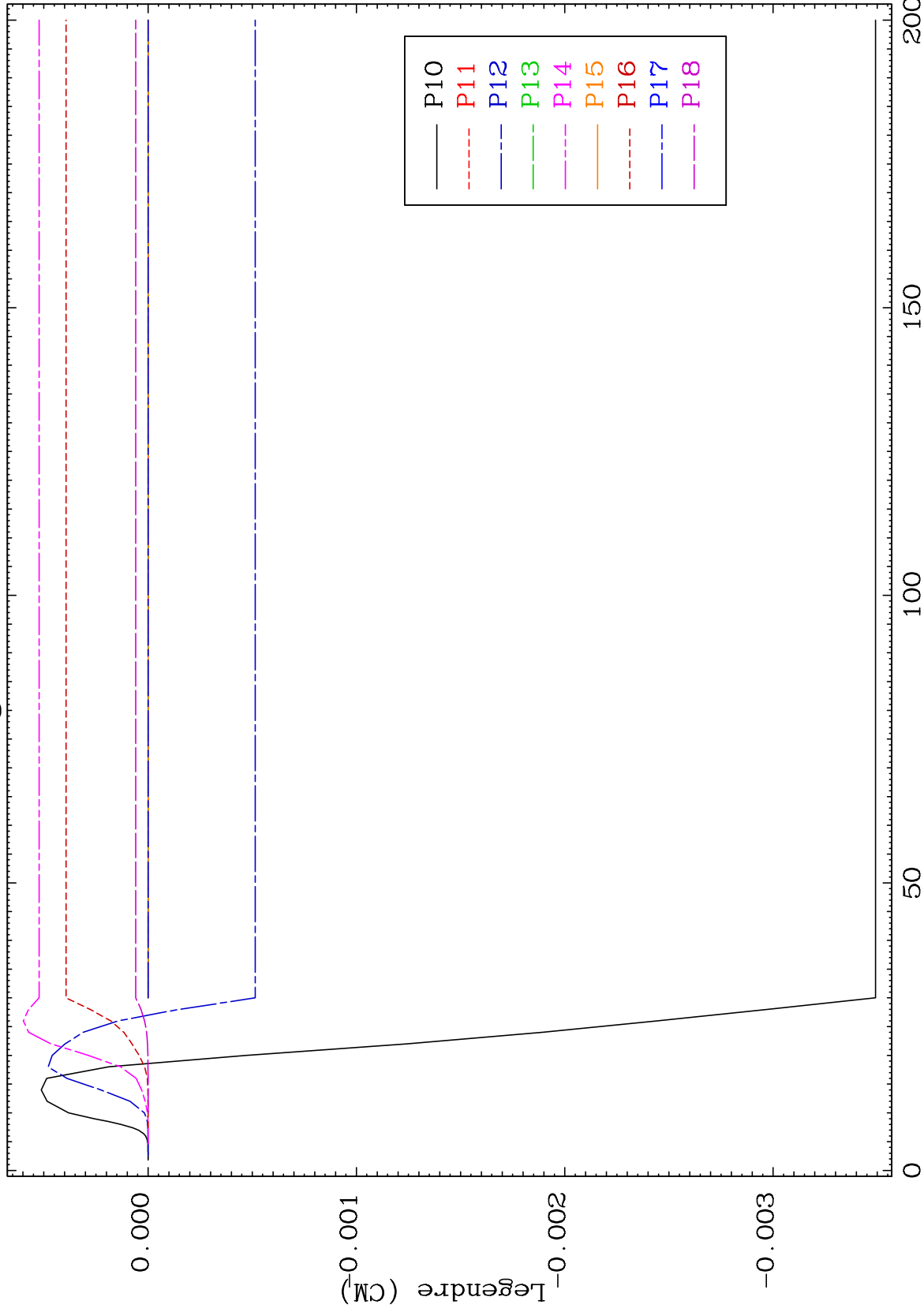
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



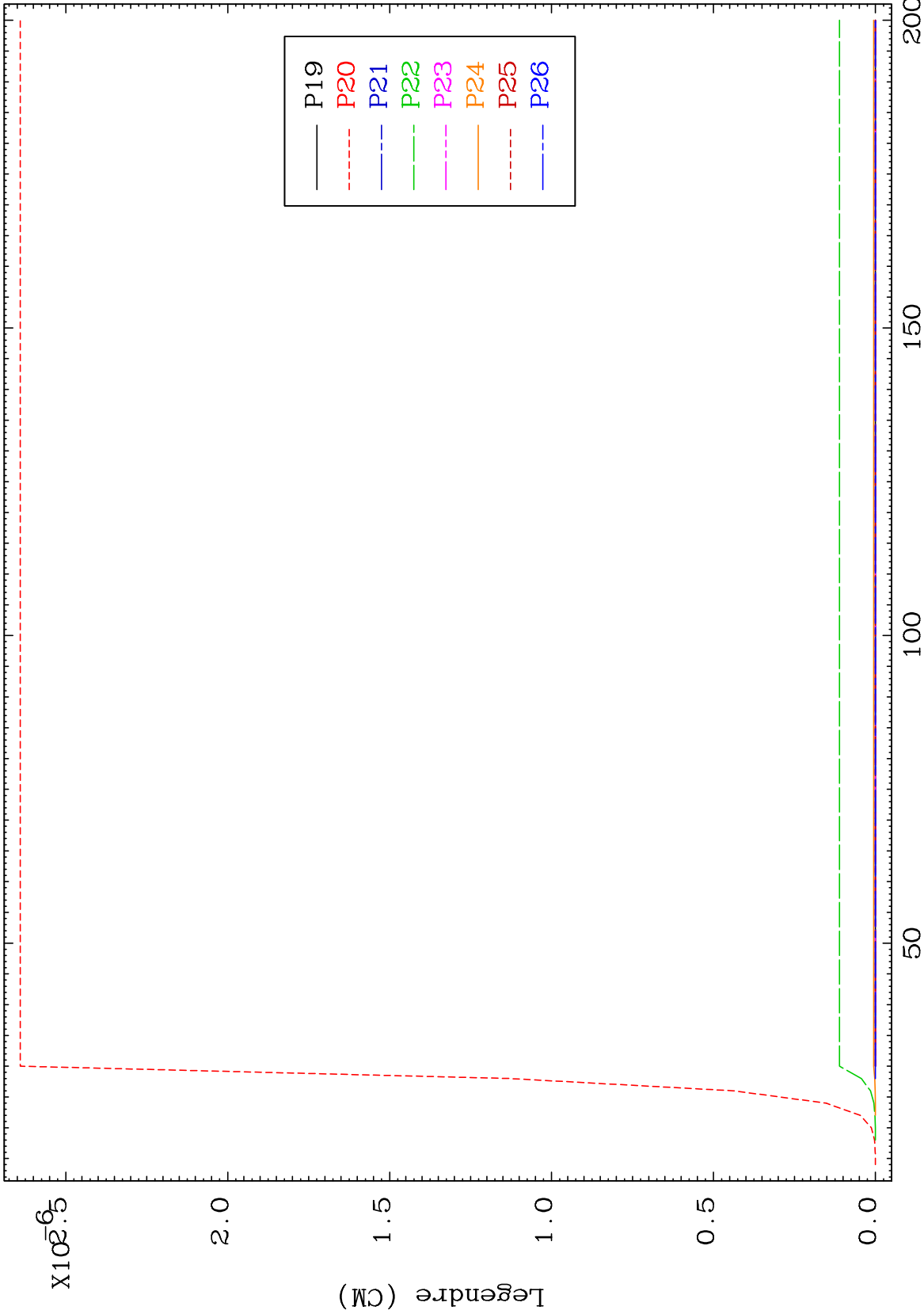
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54-Xe-128

MAT 5437

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

54-Xe-128



33

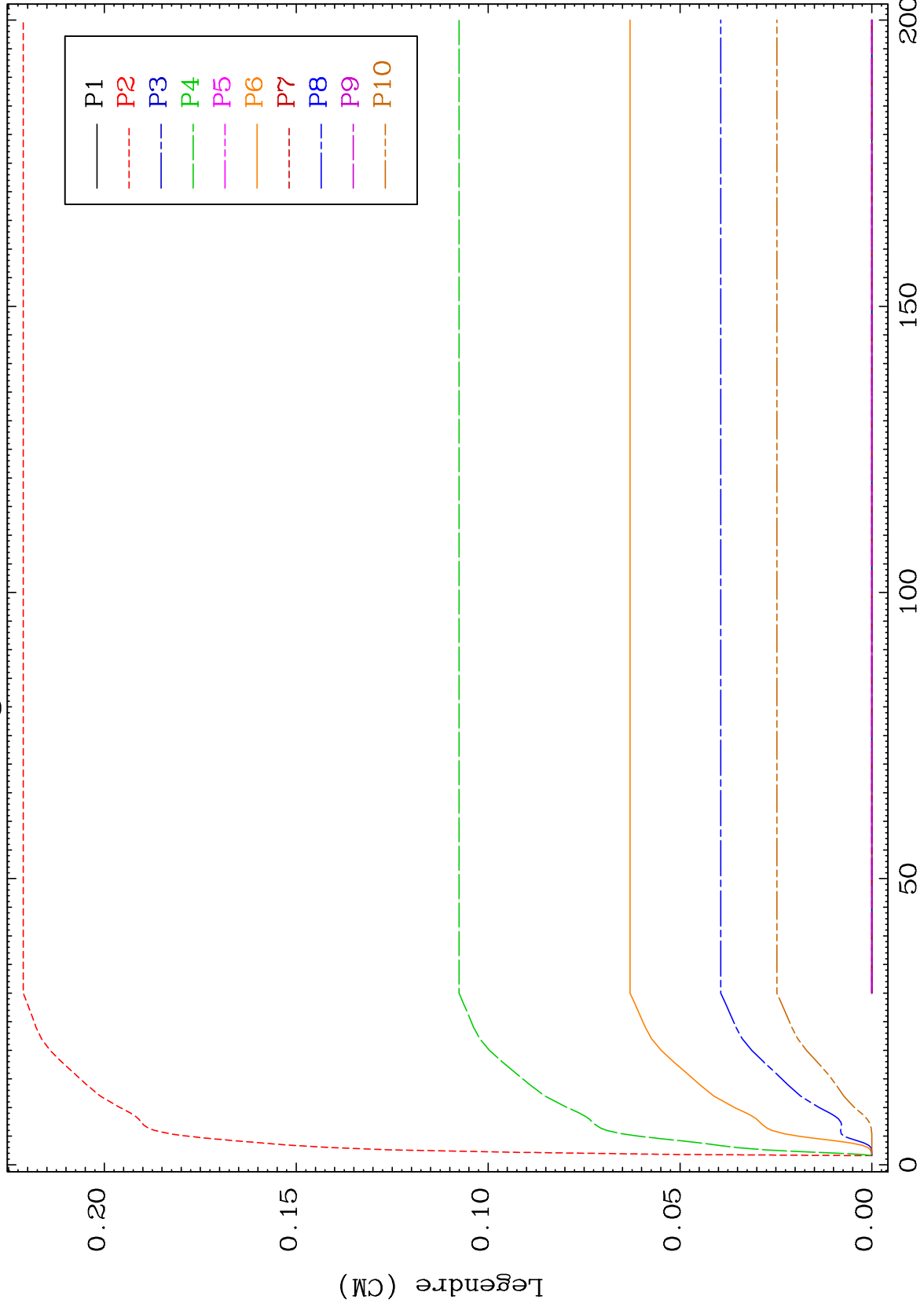
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



34

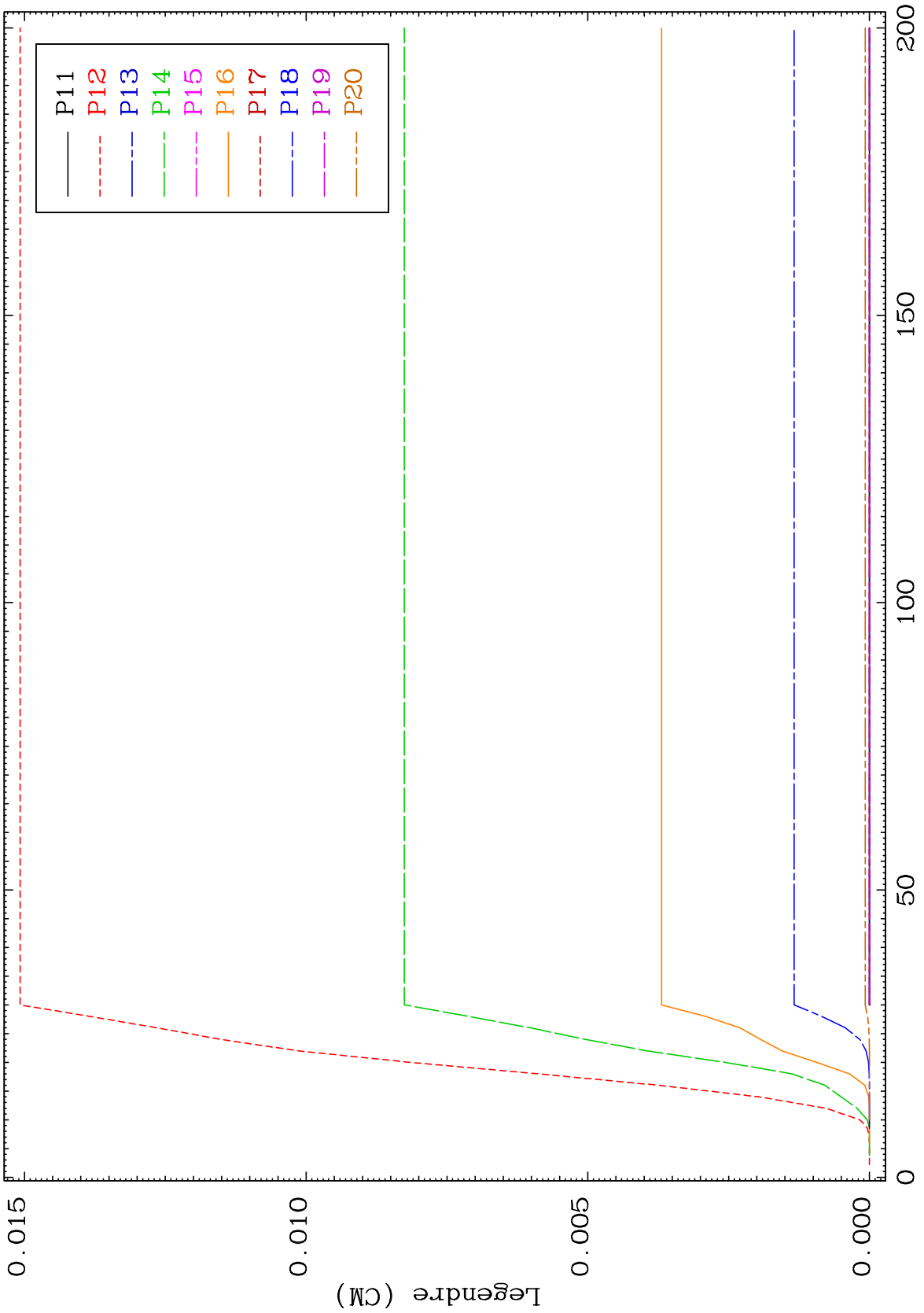
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



35

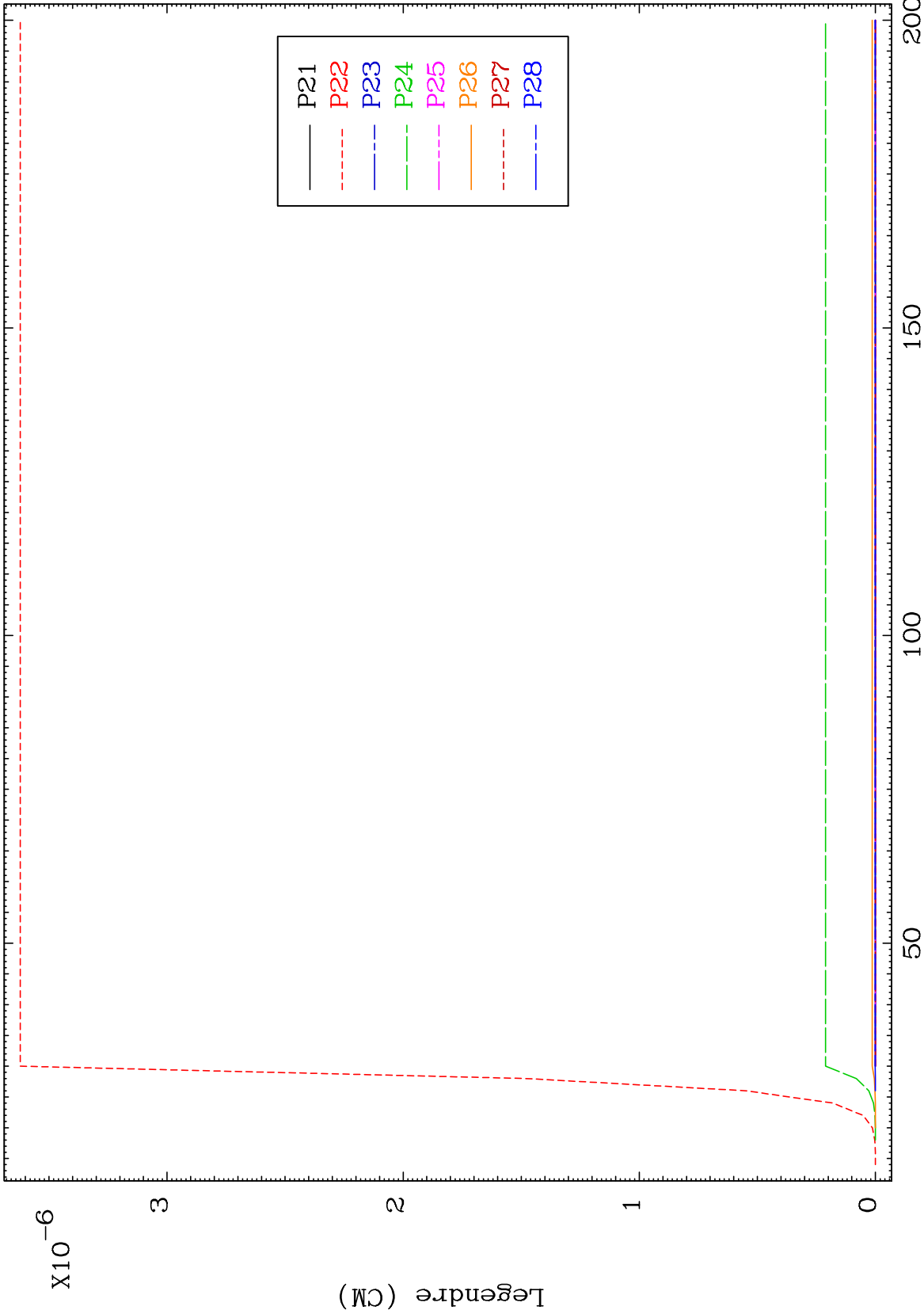
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



36

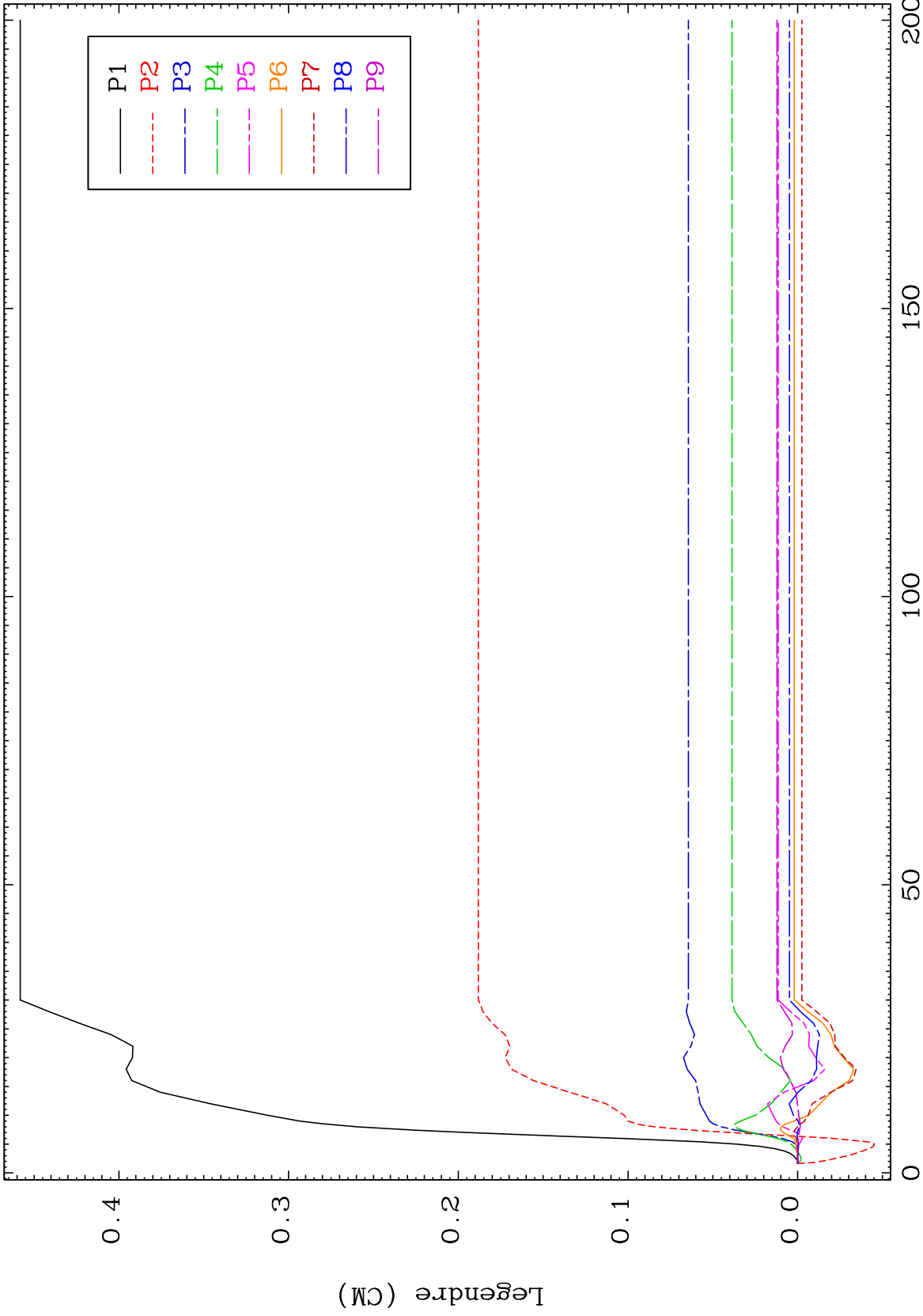
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



37

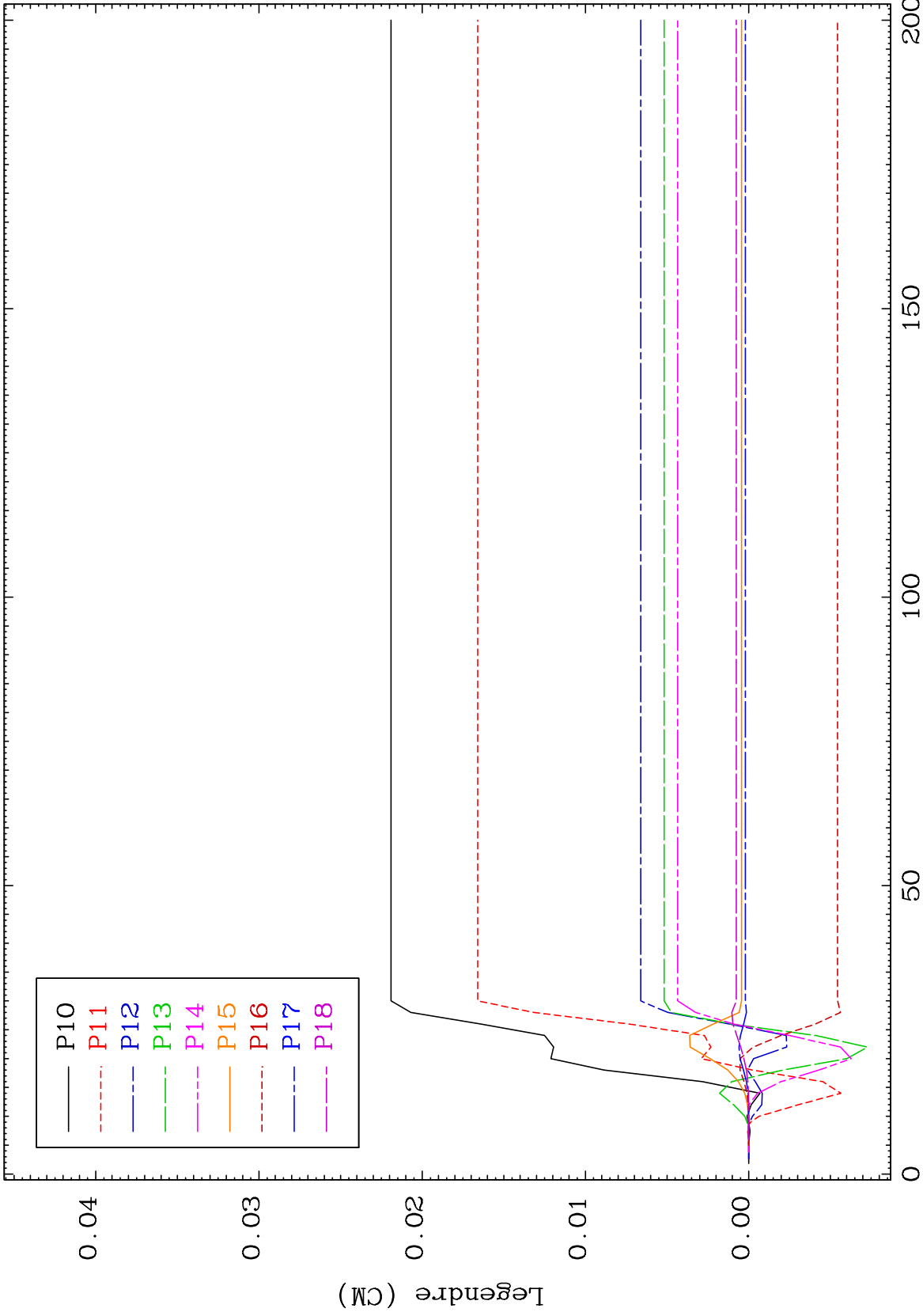
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



38

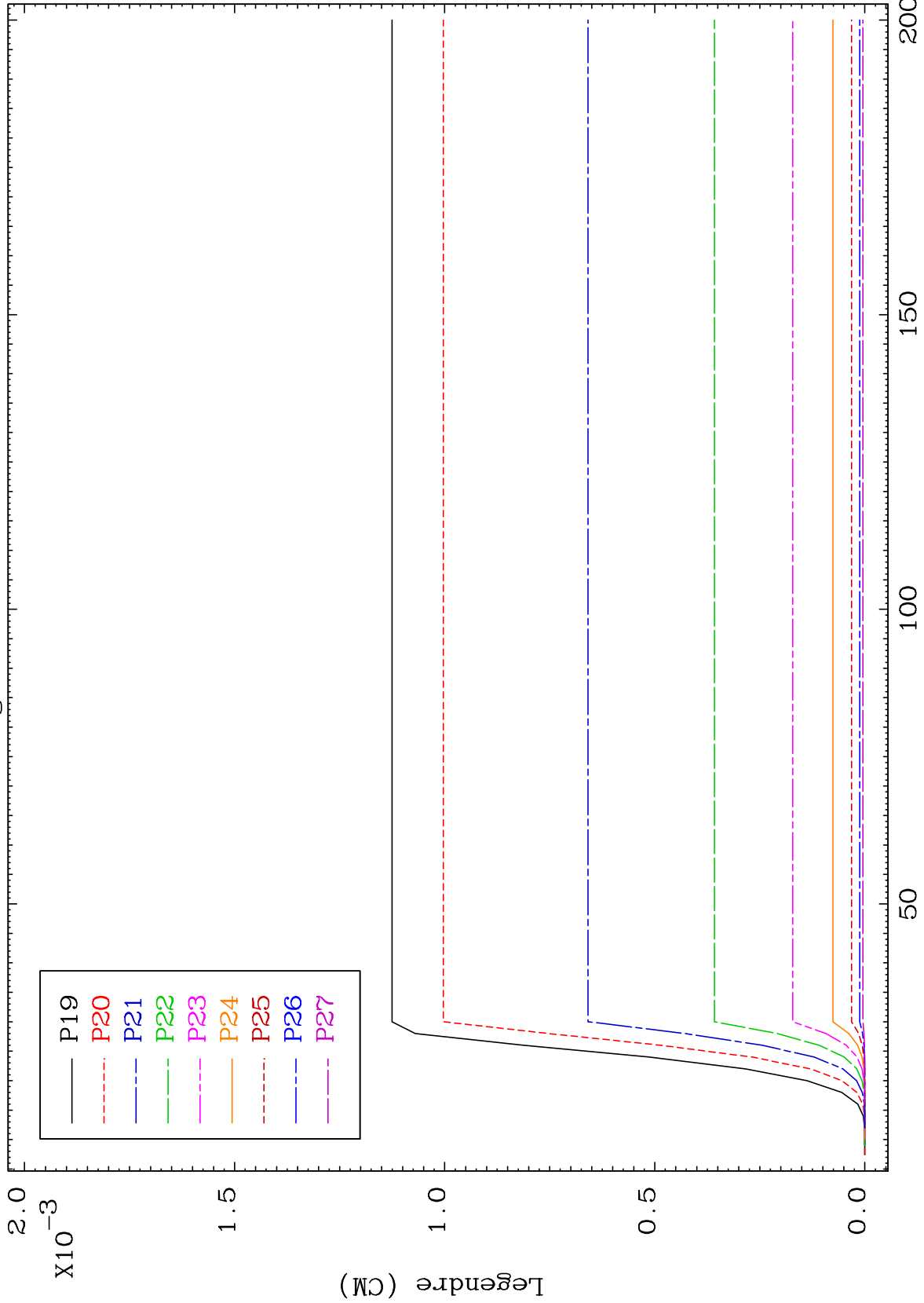
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



39

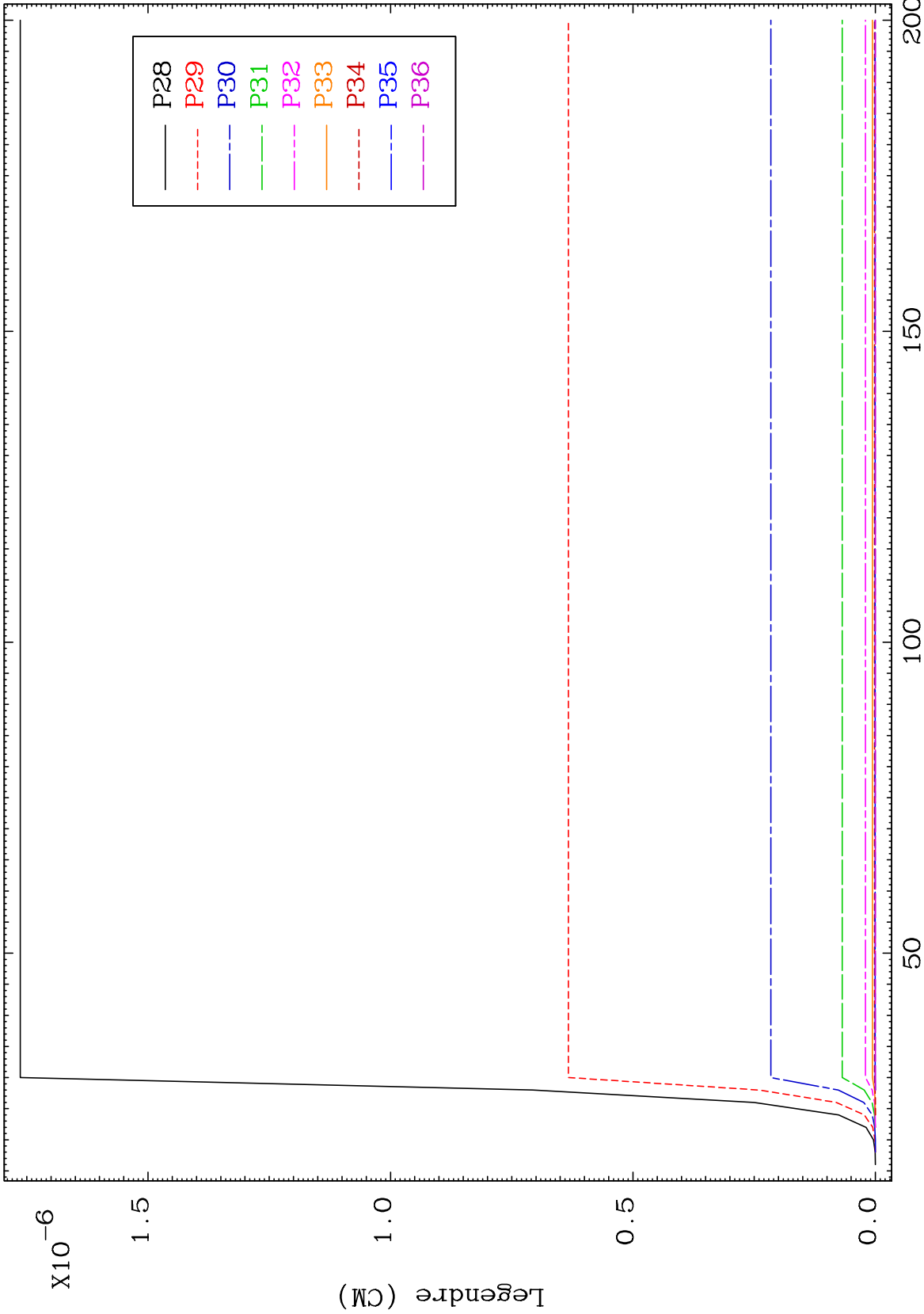
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



40

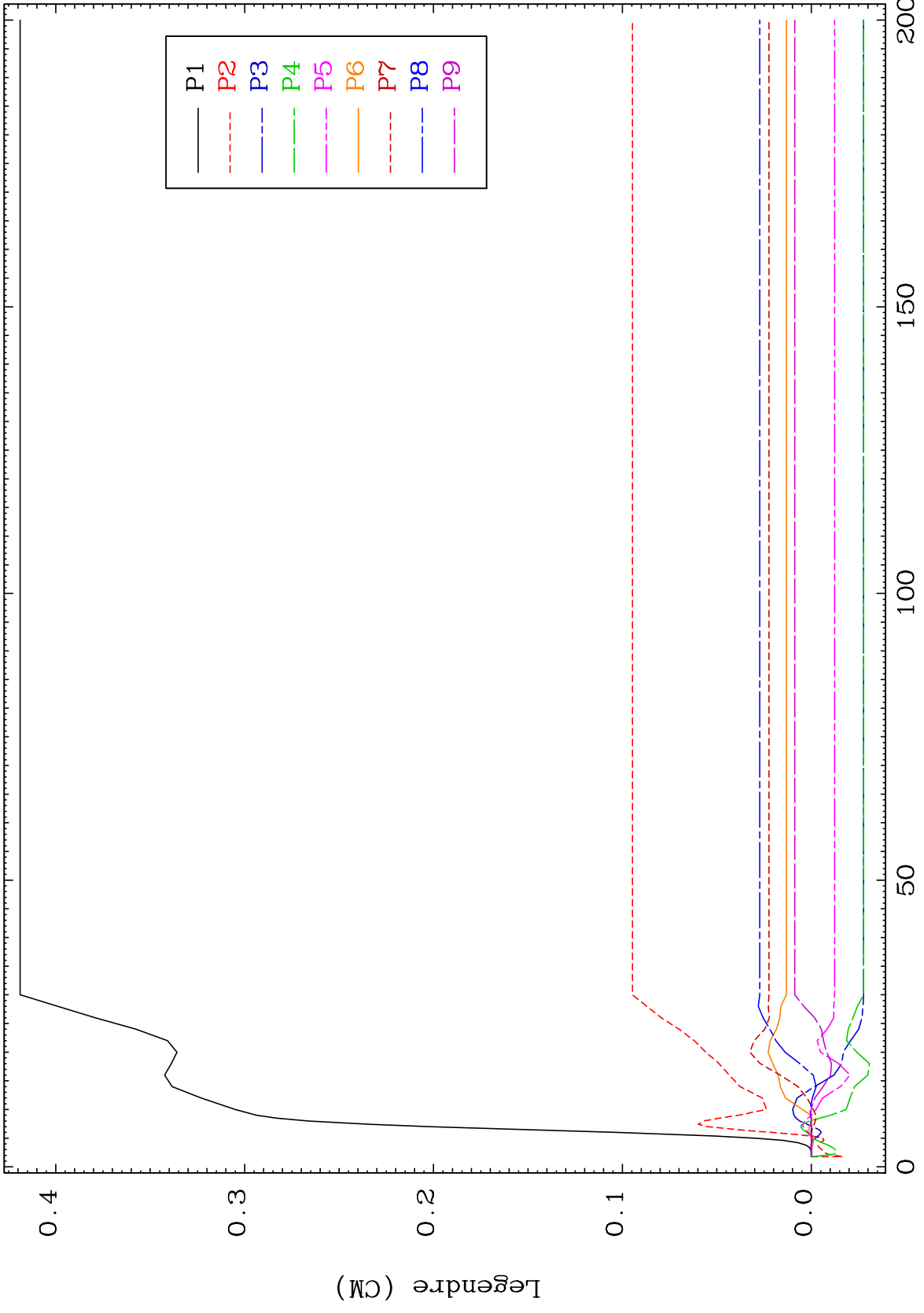
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



41

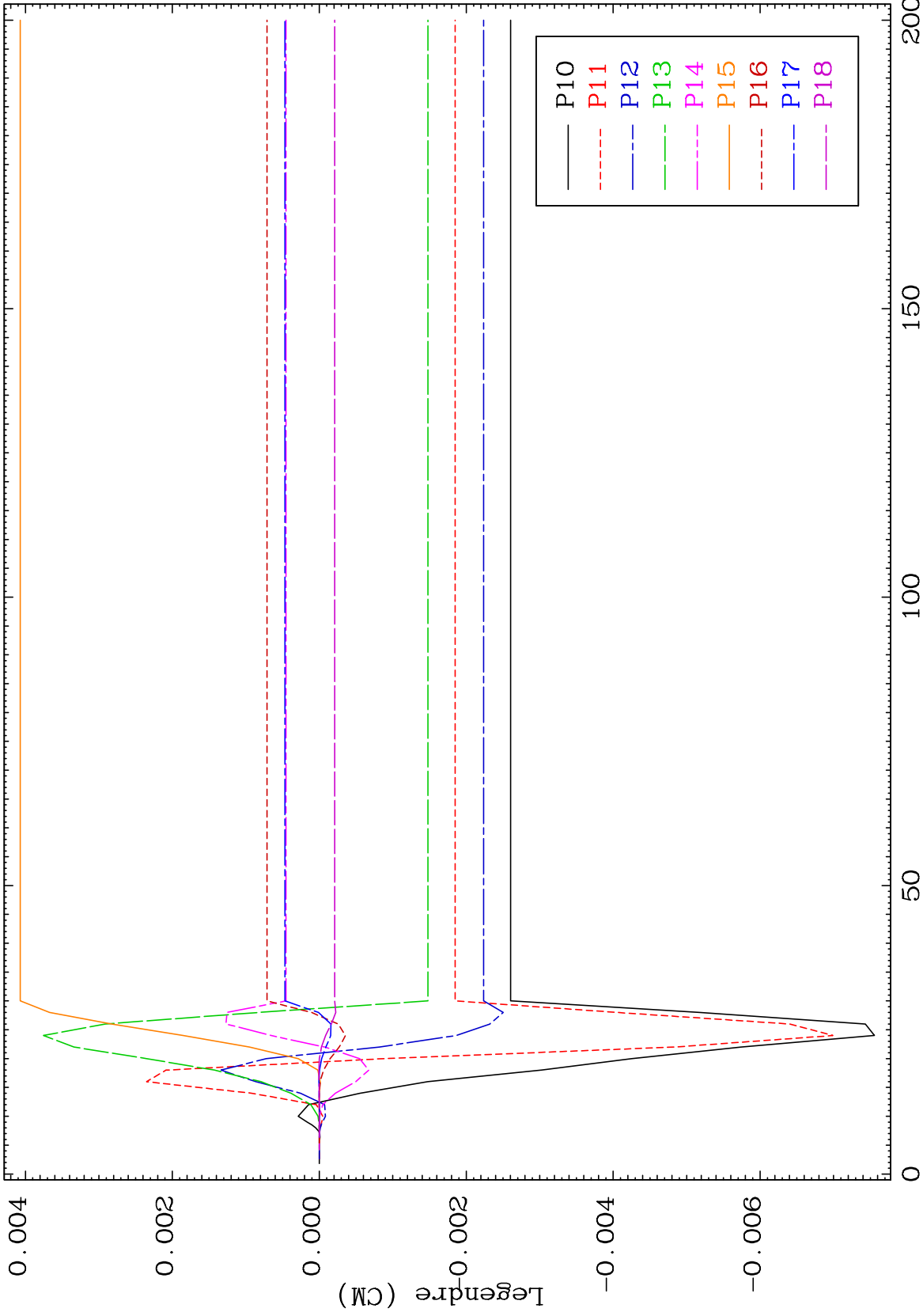
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



42

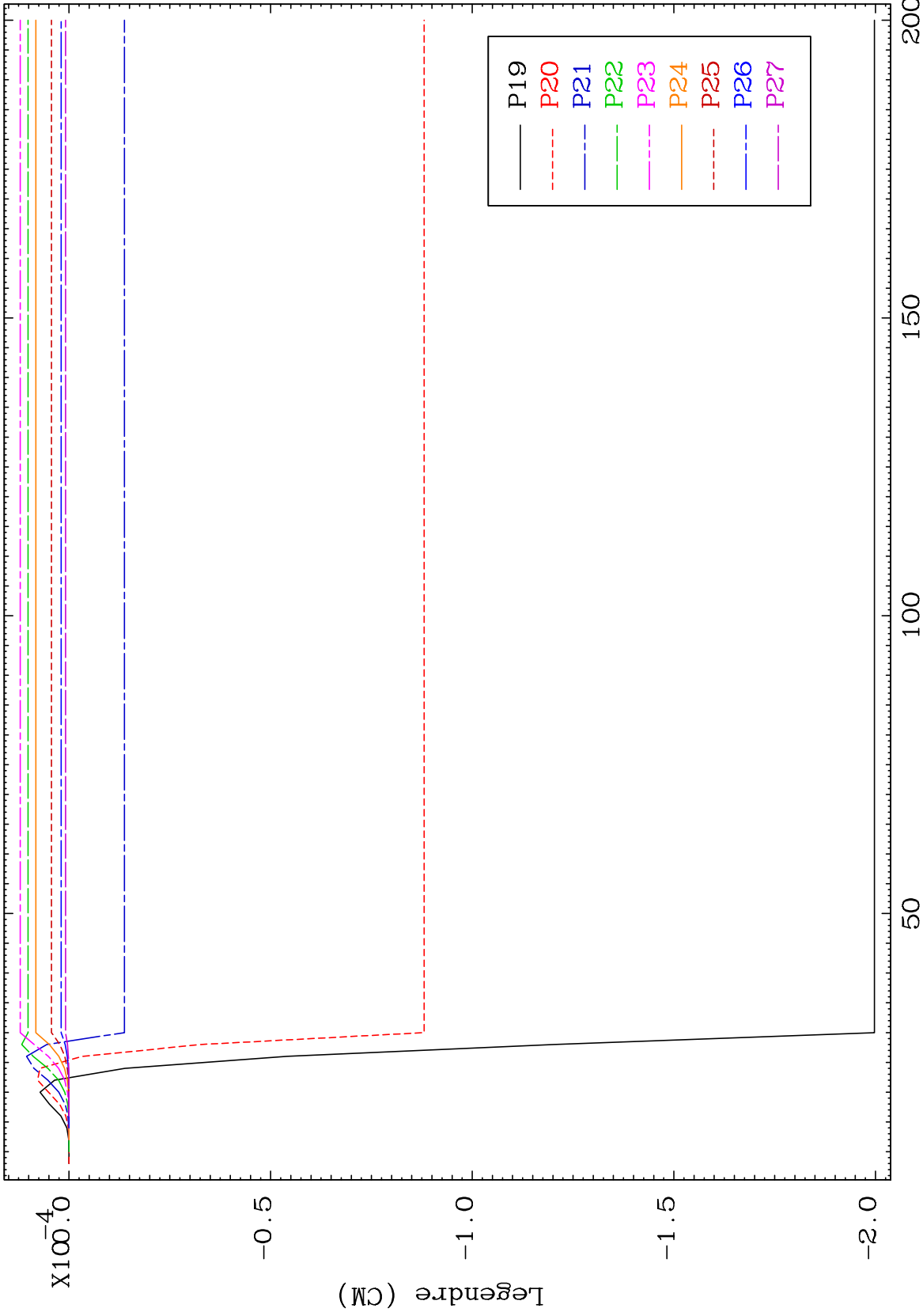
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



43

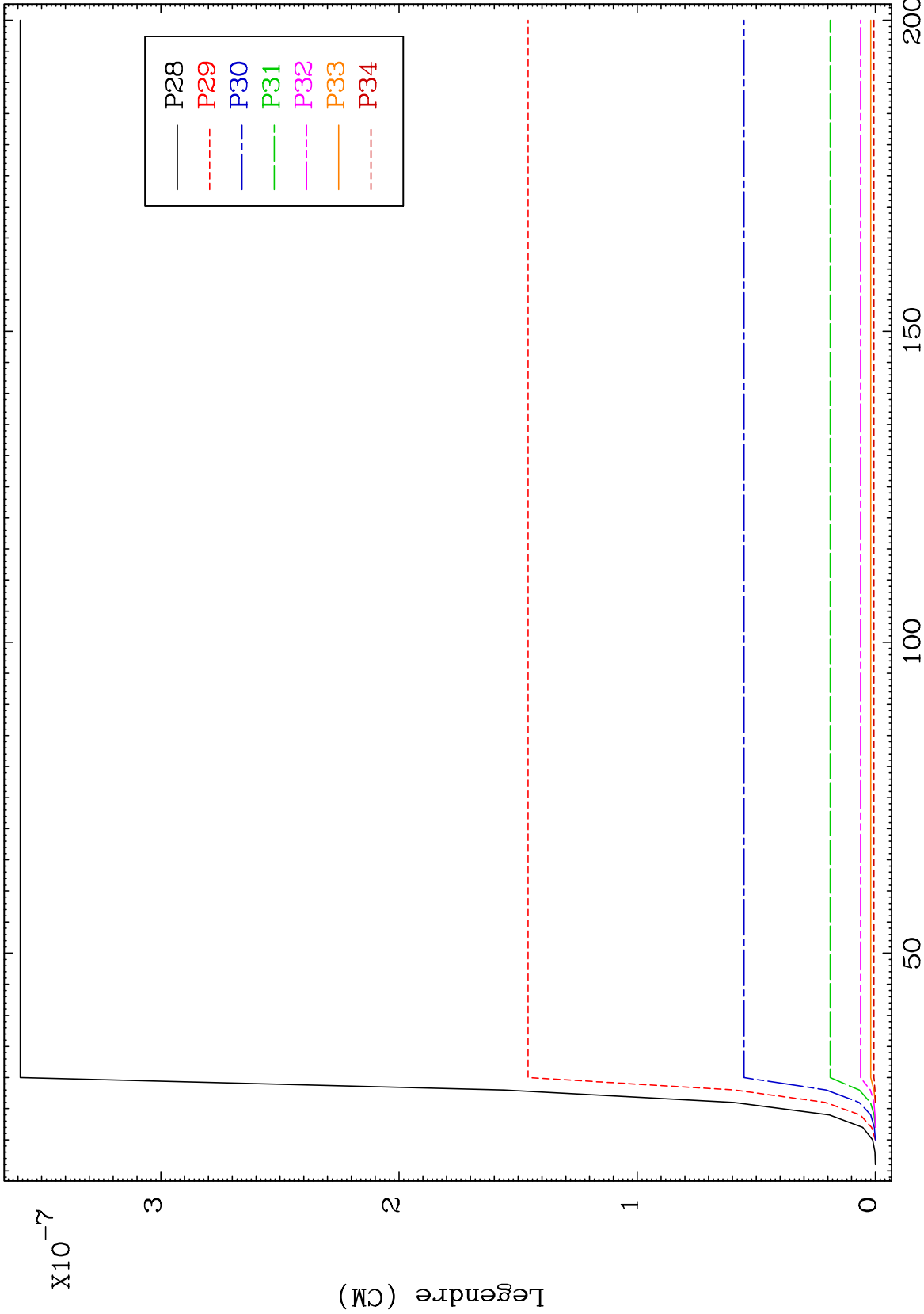
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



44

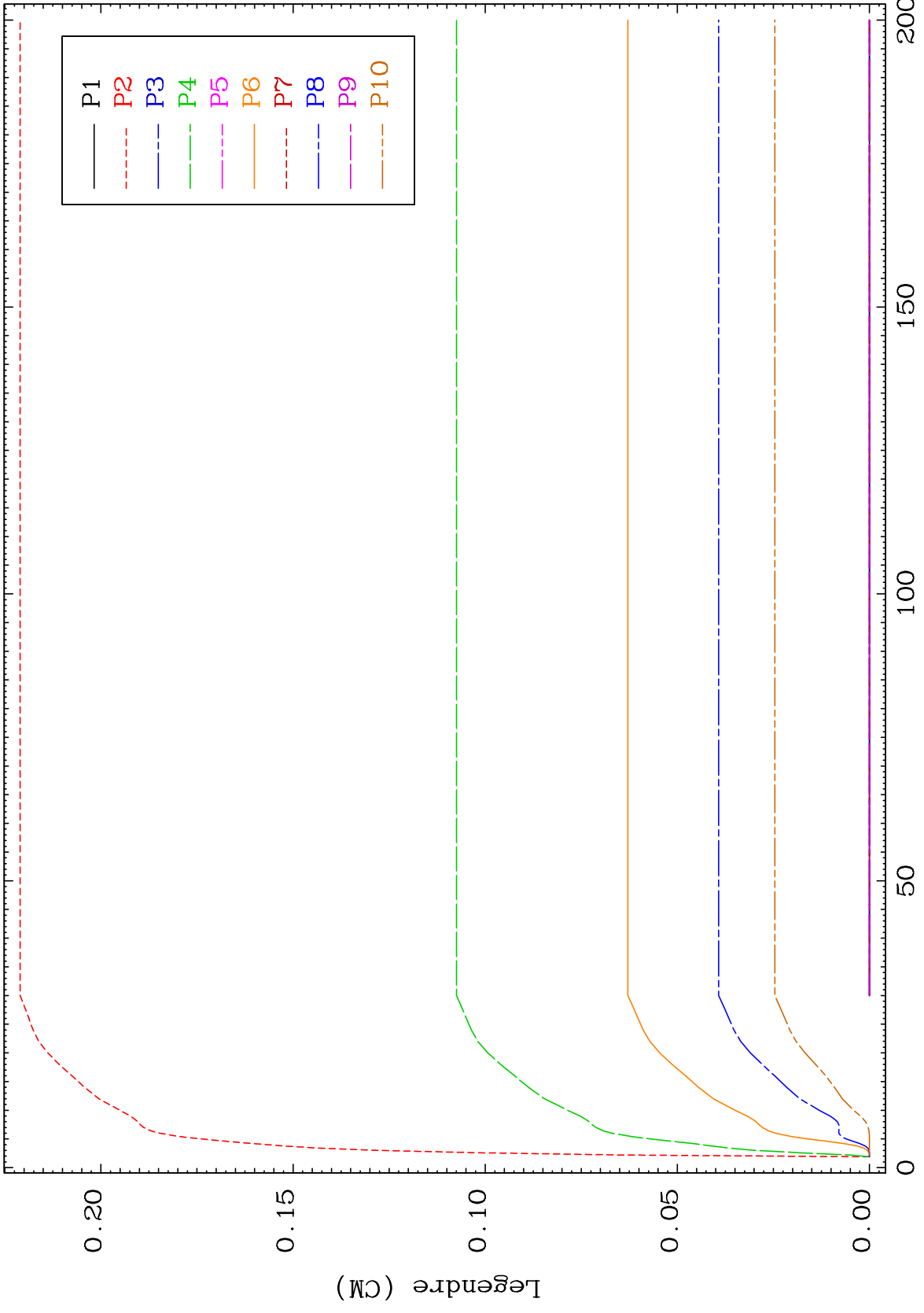
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



45

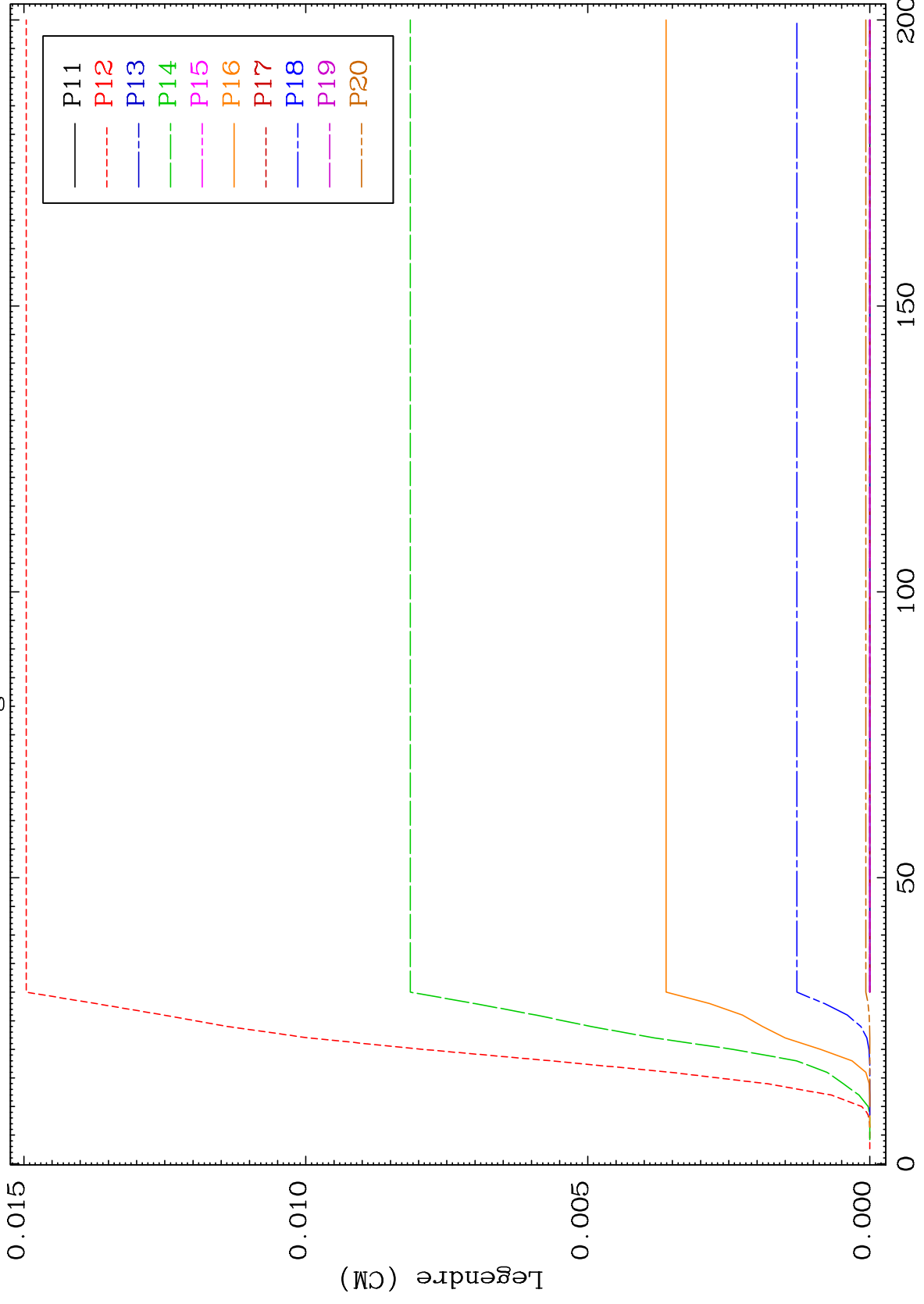
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



46

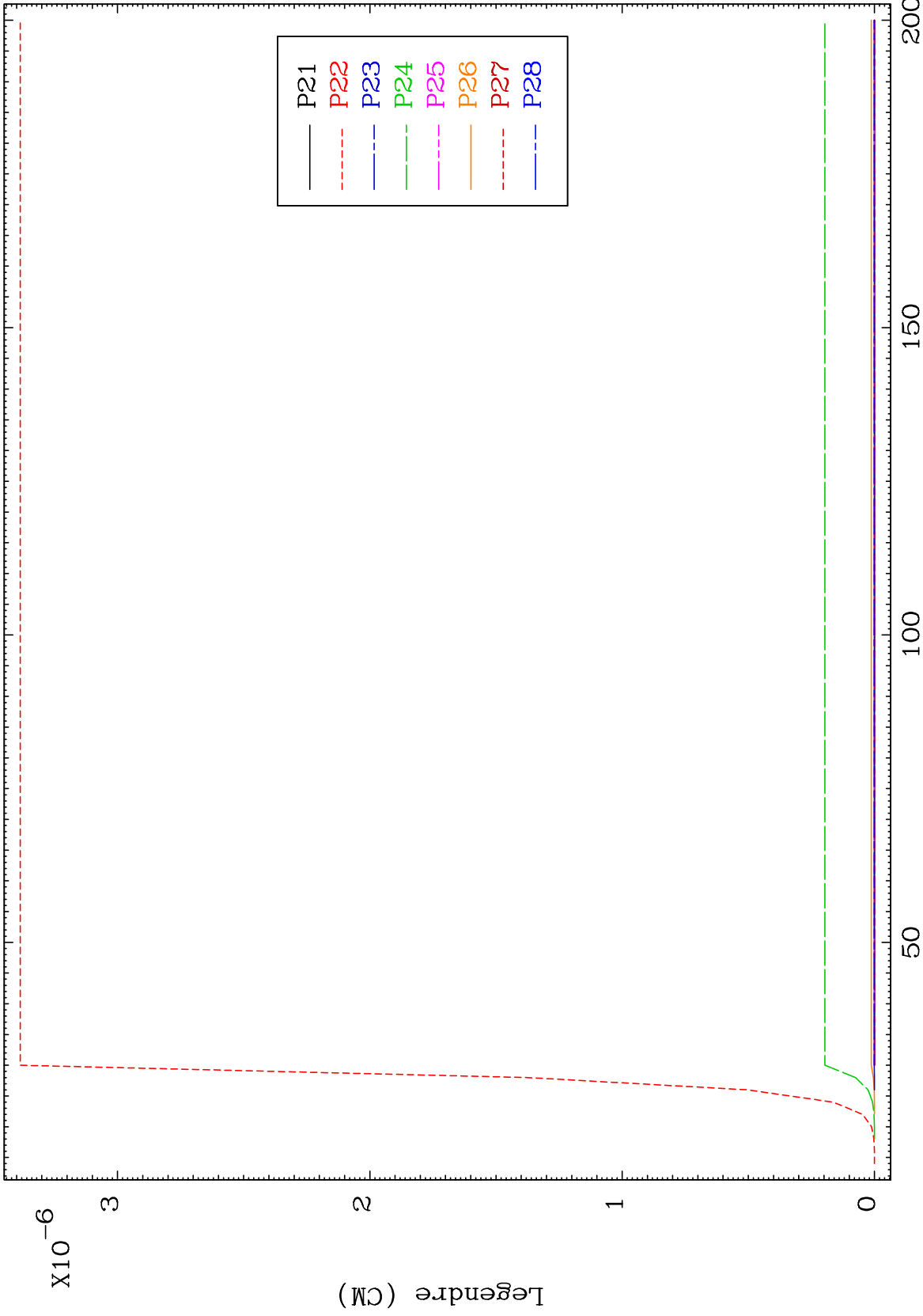
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



47

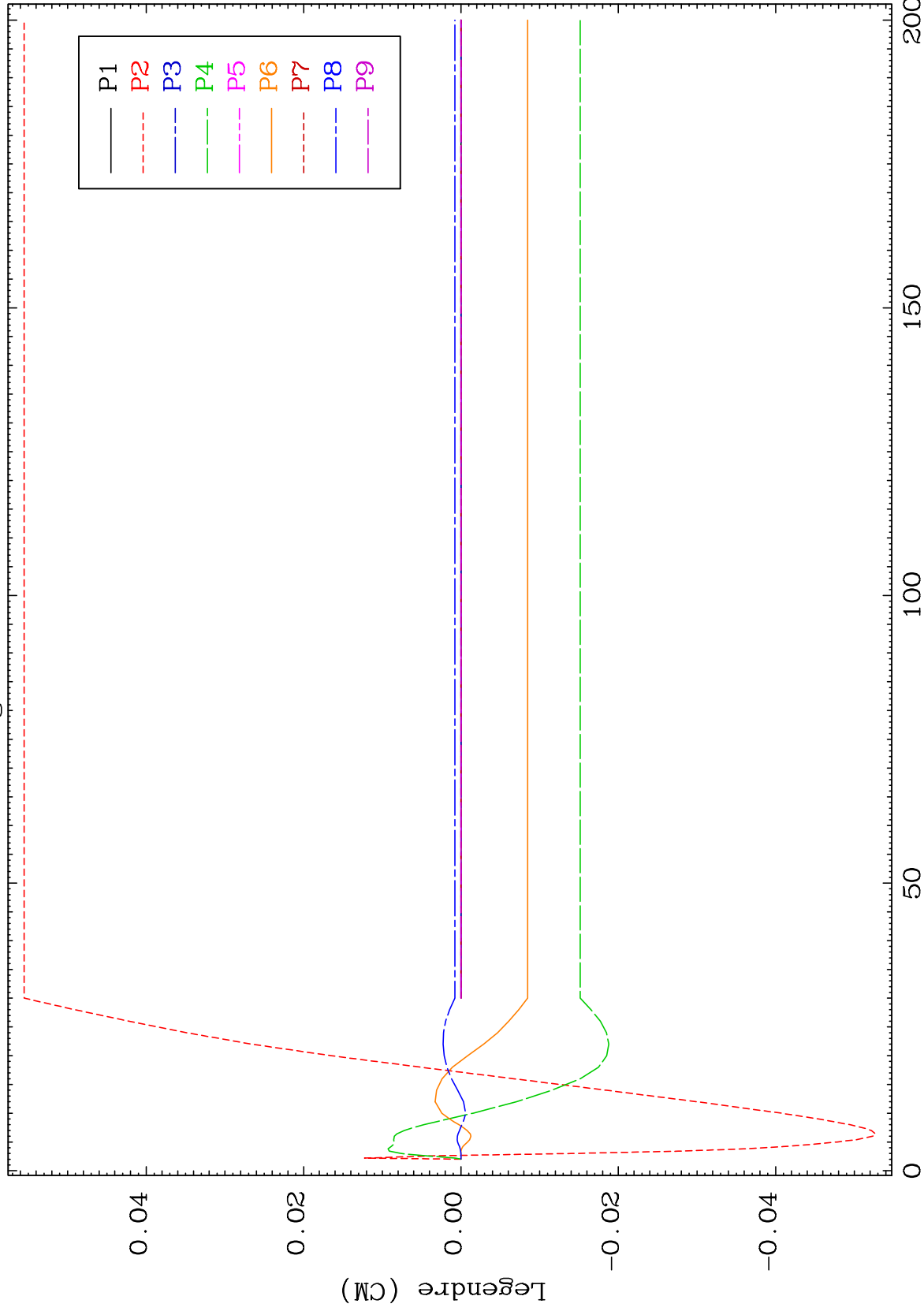
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



48

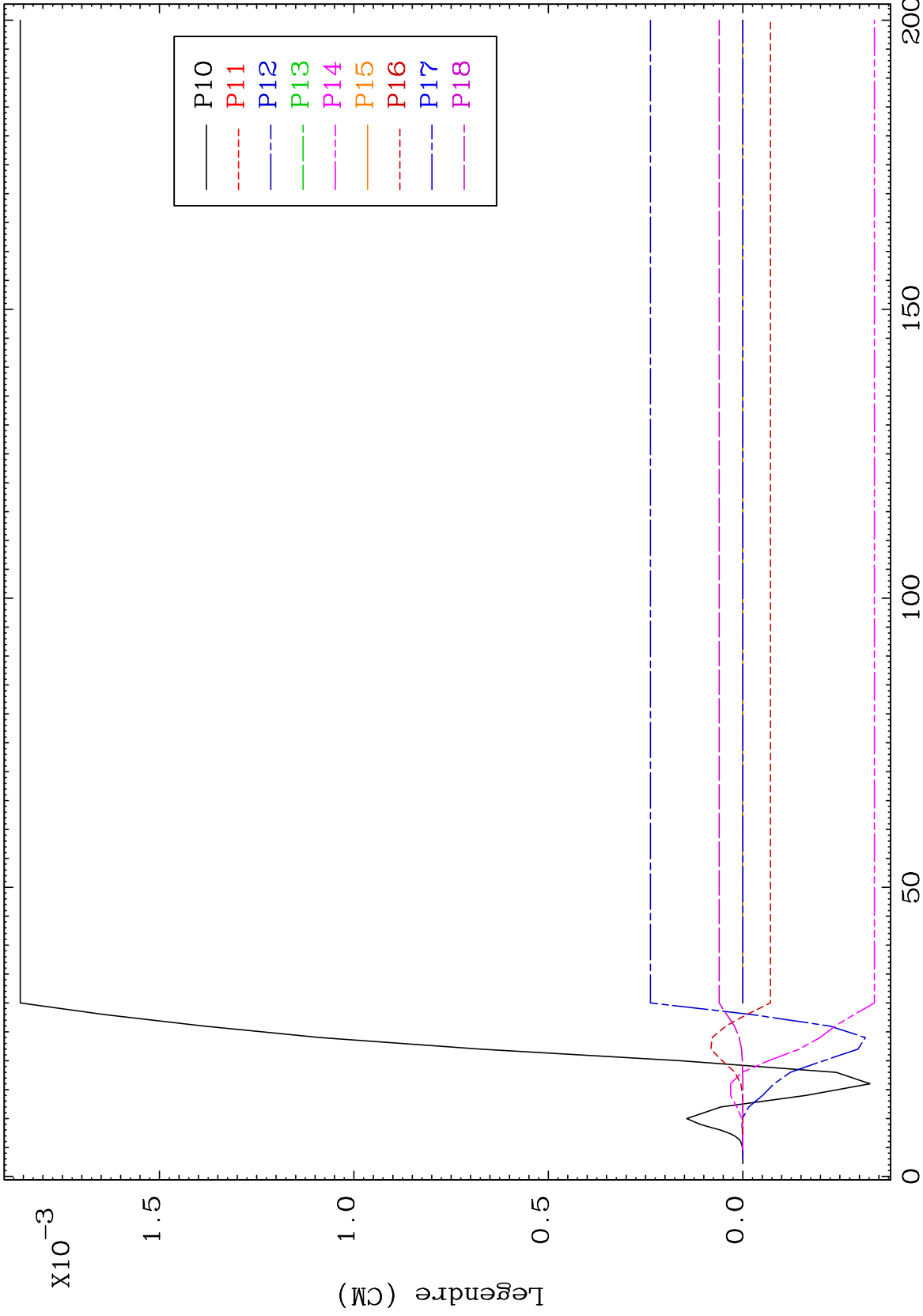
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



49

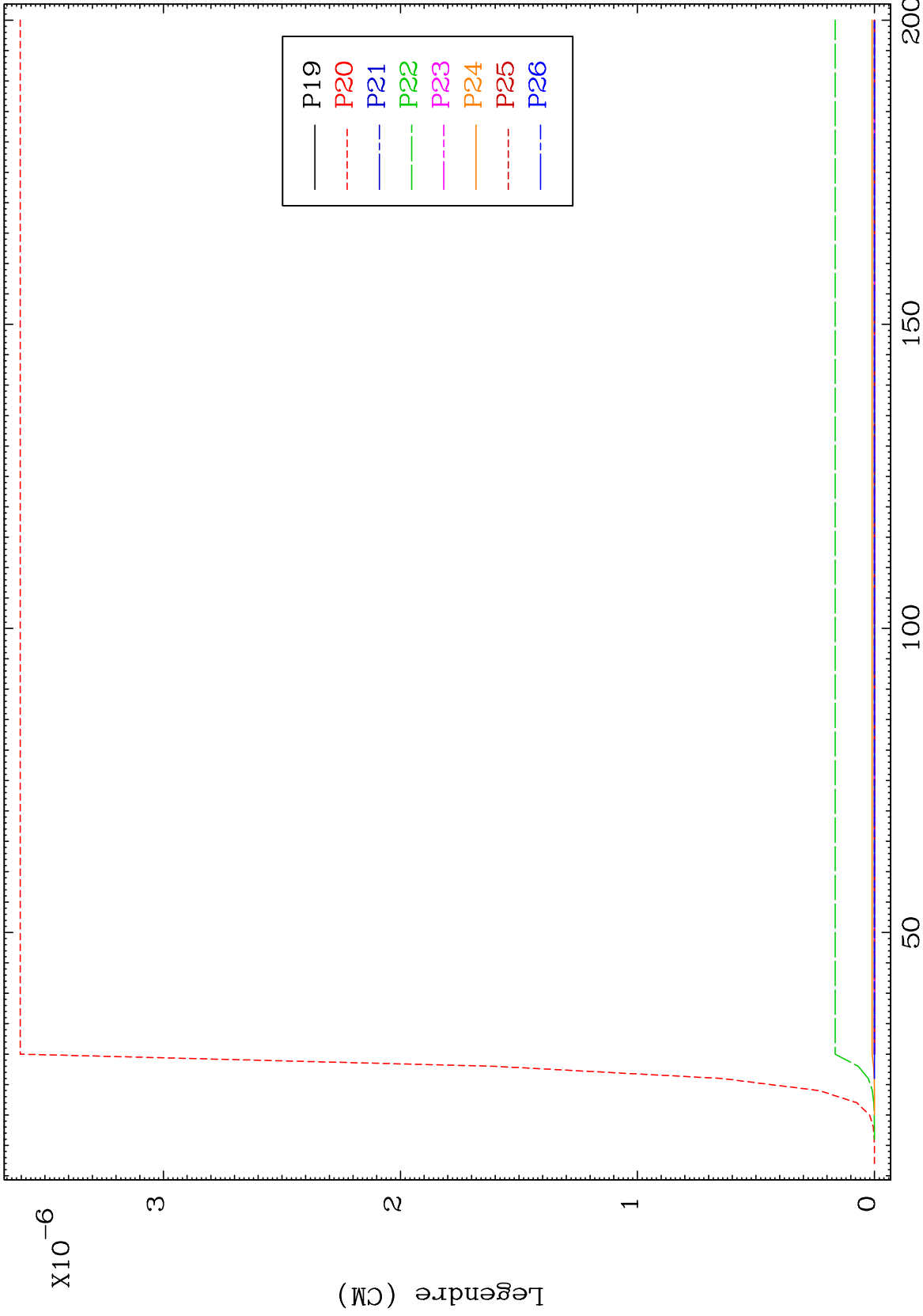
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



50

50

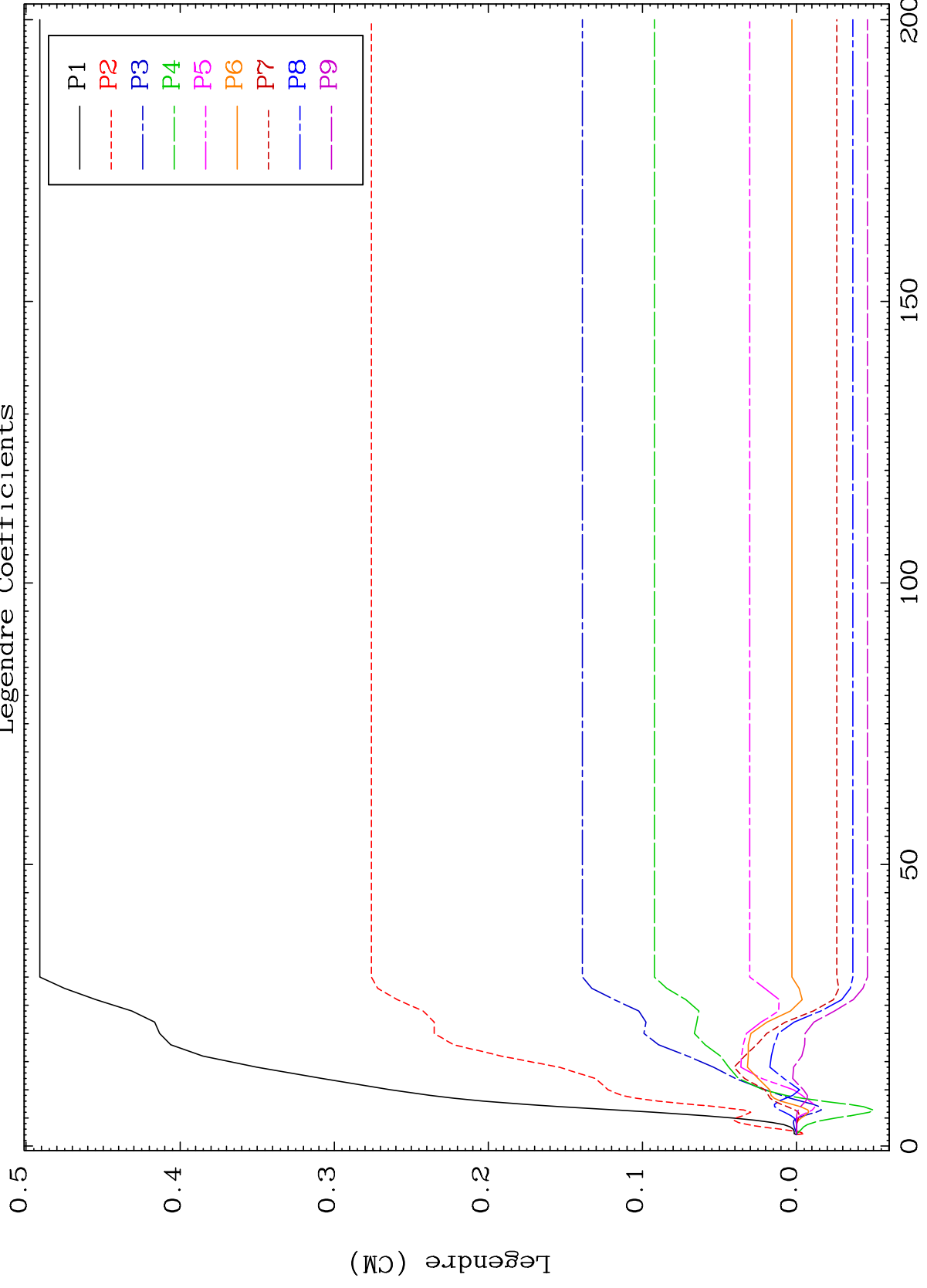
100

150

200

54-Xe-128

MAT 5437 MT= 60 (n,n') Level Legendre Coefficients 54-Xe-128

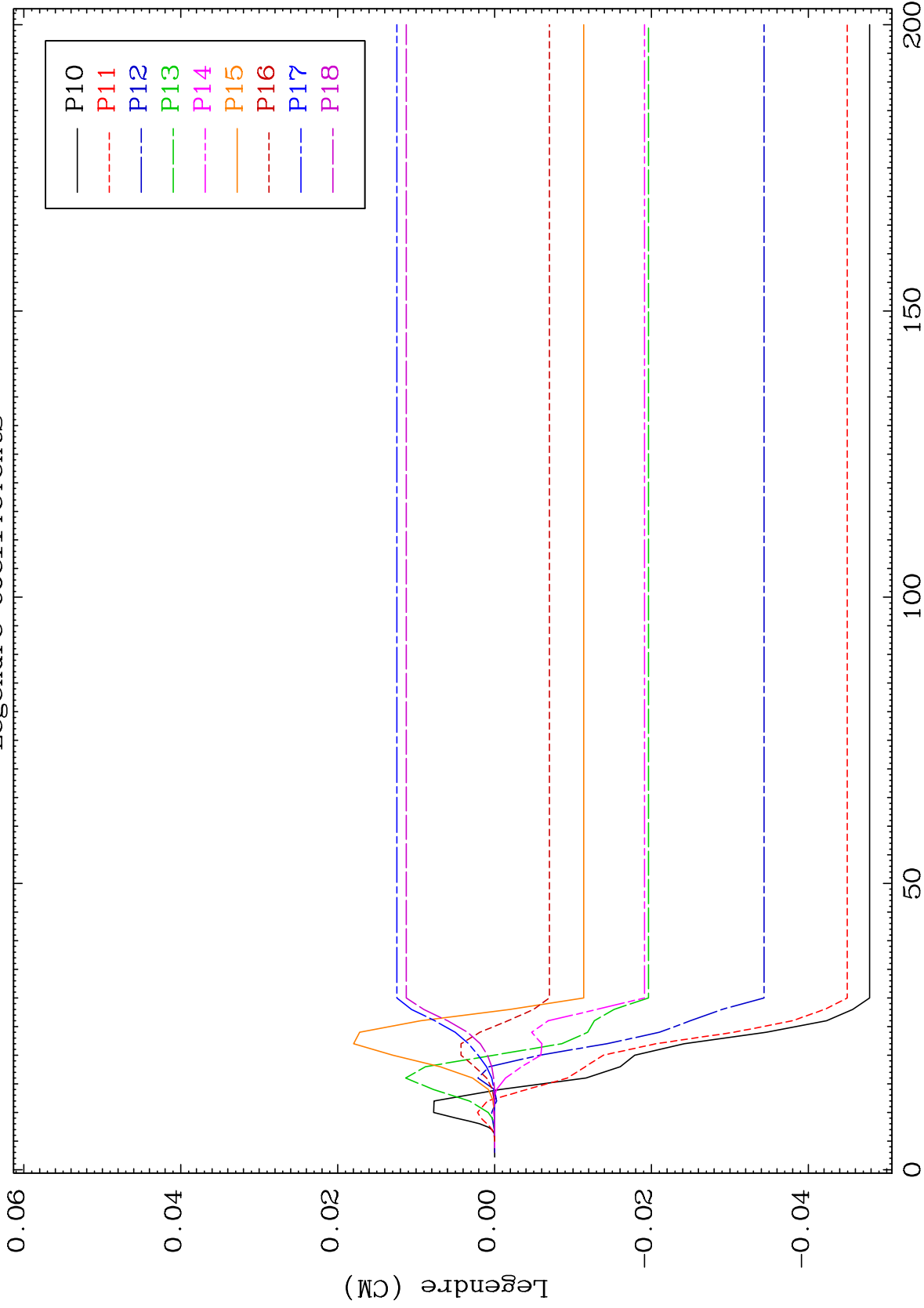


51 54-Xe-128

MAT 5437

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

54-Xe-128



52

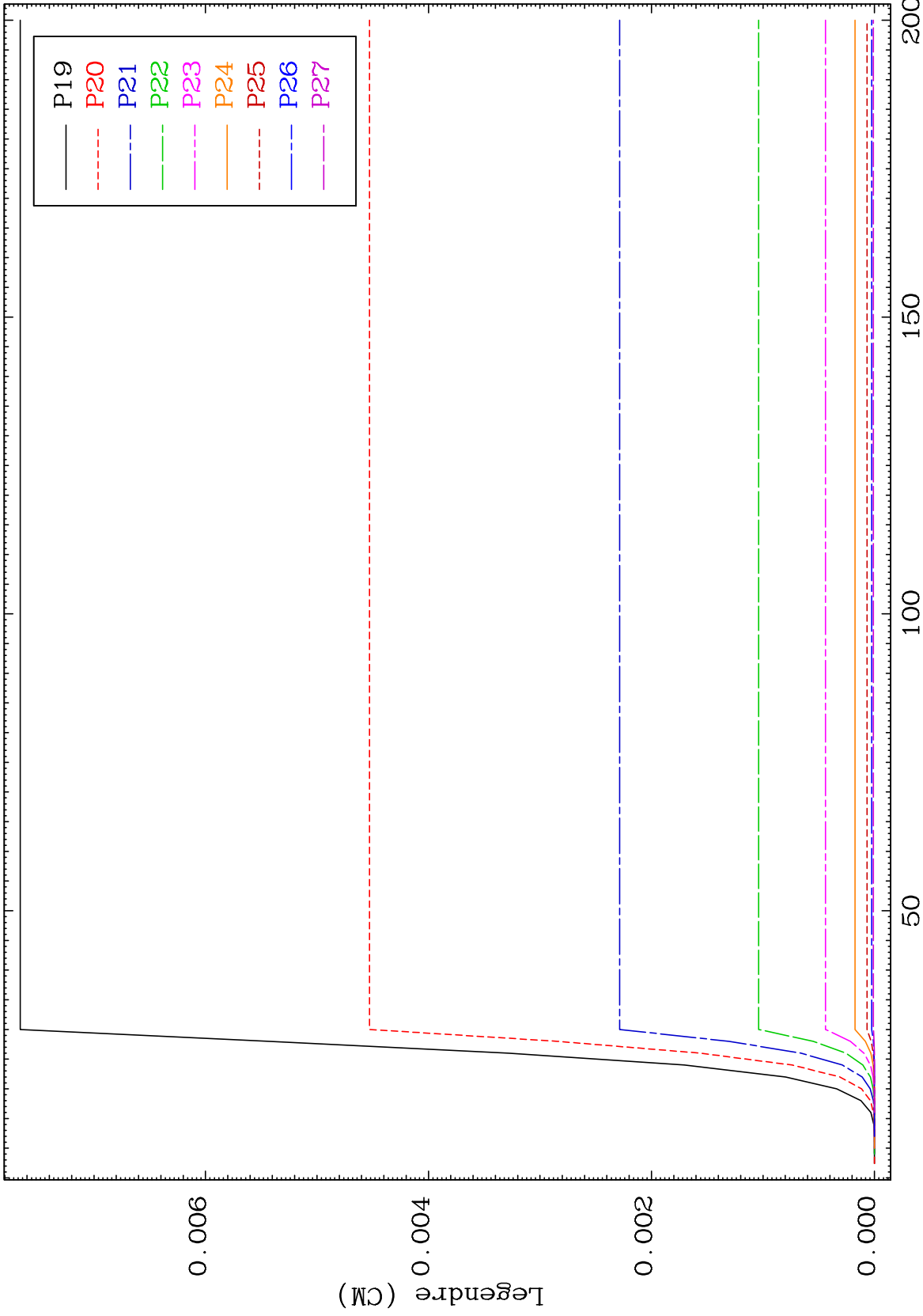
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



53

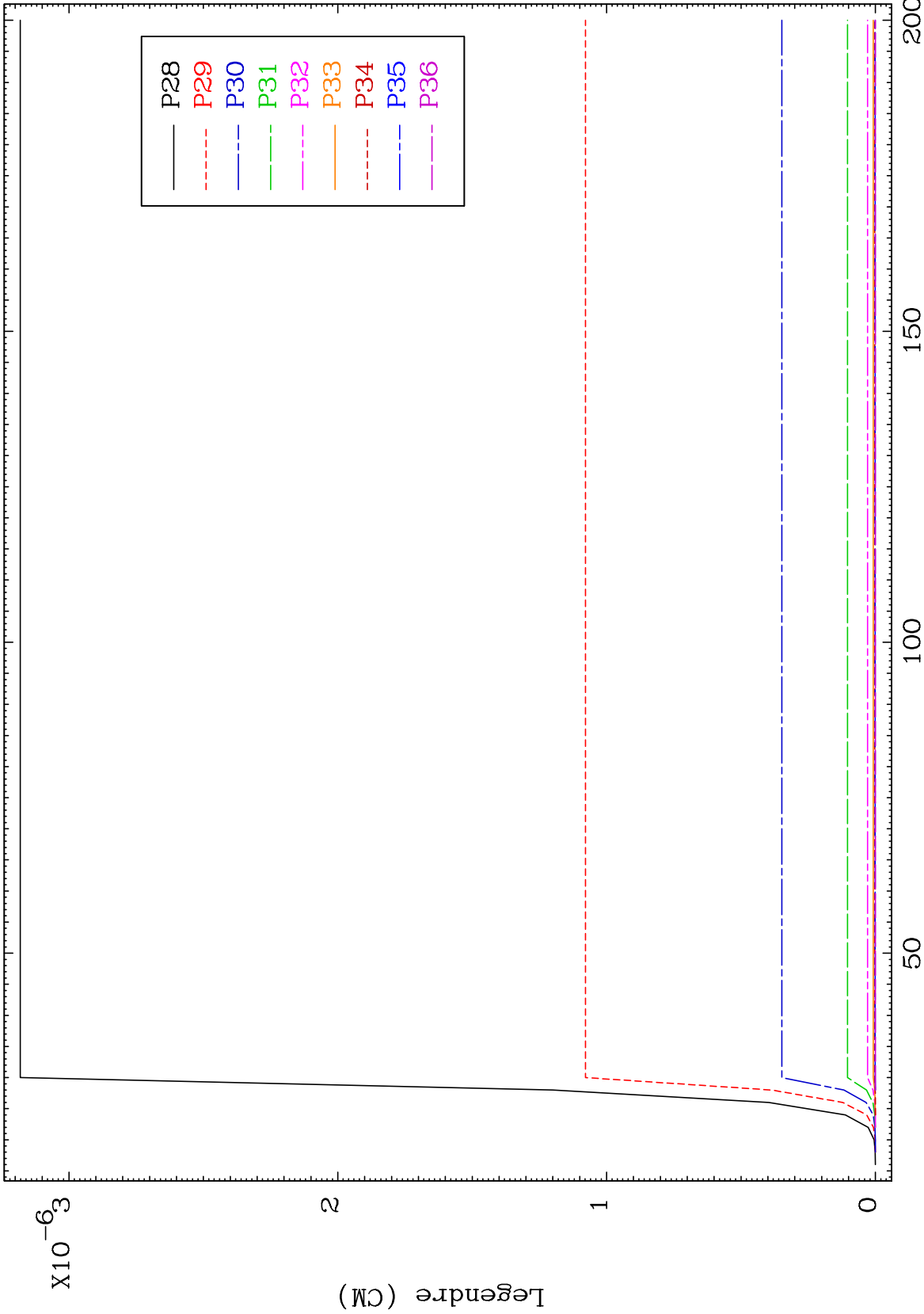
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



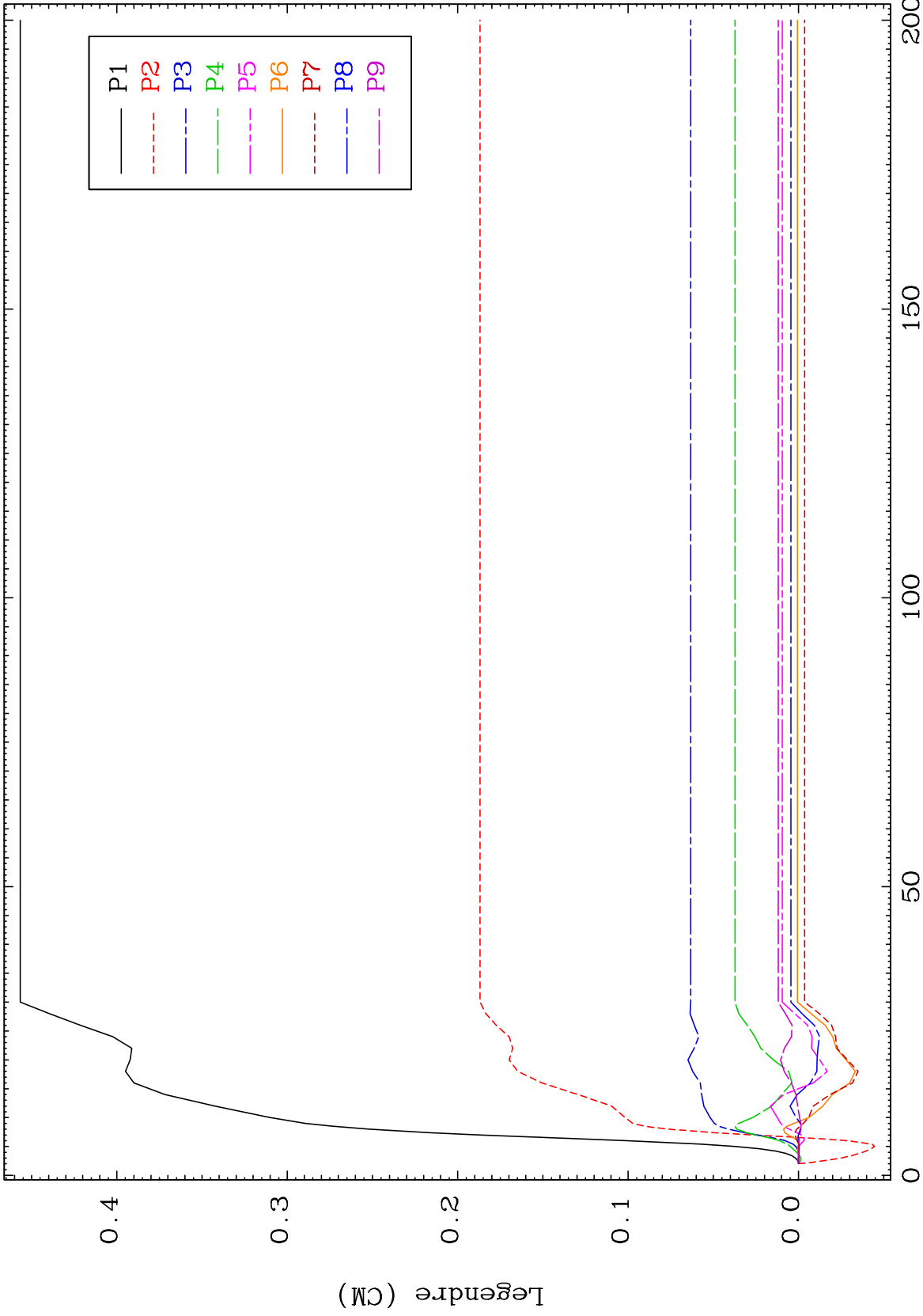
54

54-Xe-128

MAT 5437

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

54-Xe-128



55

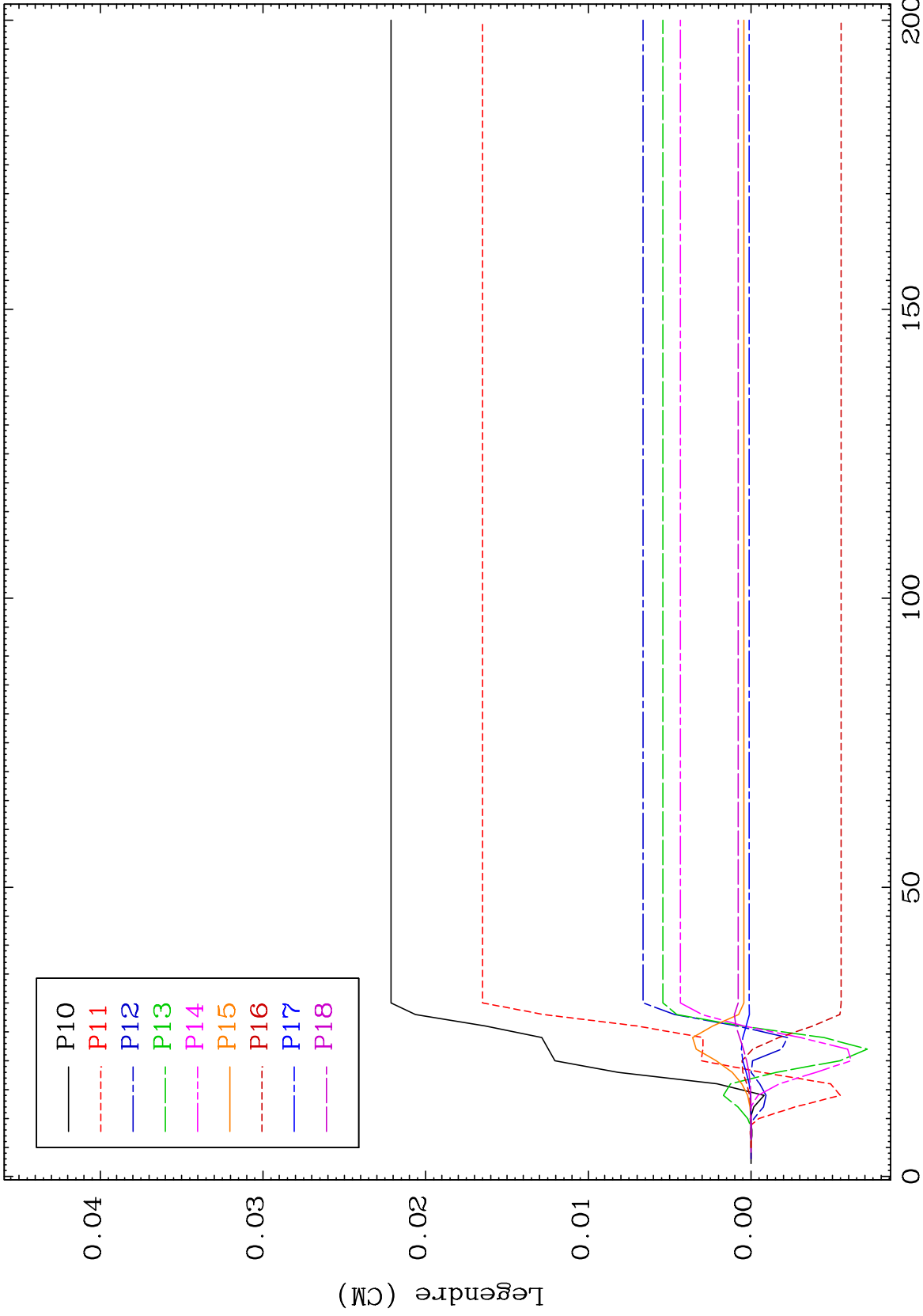
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



56

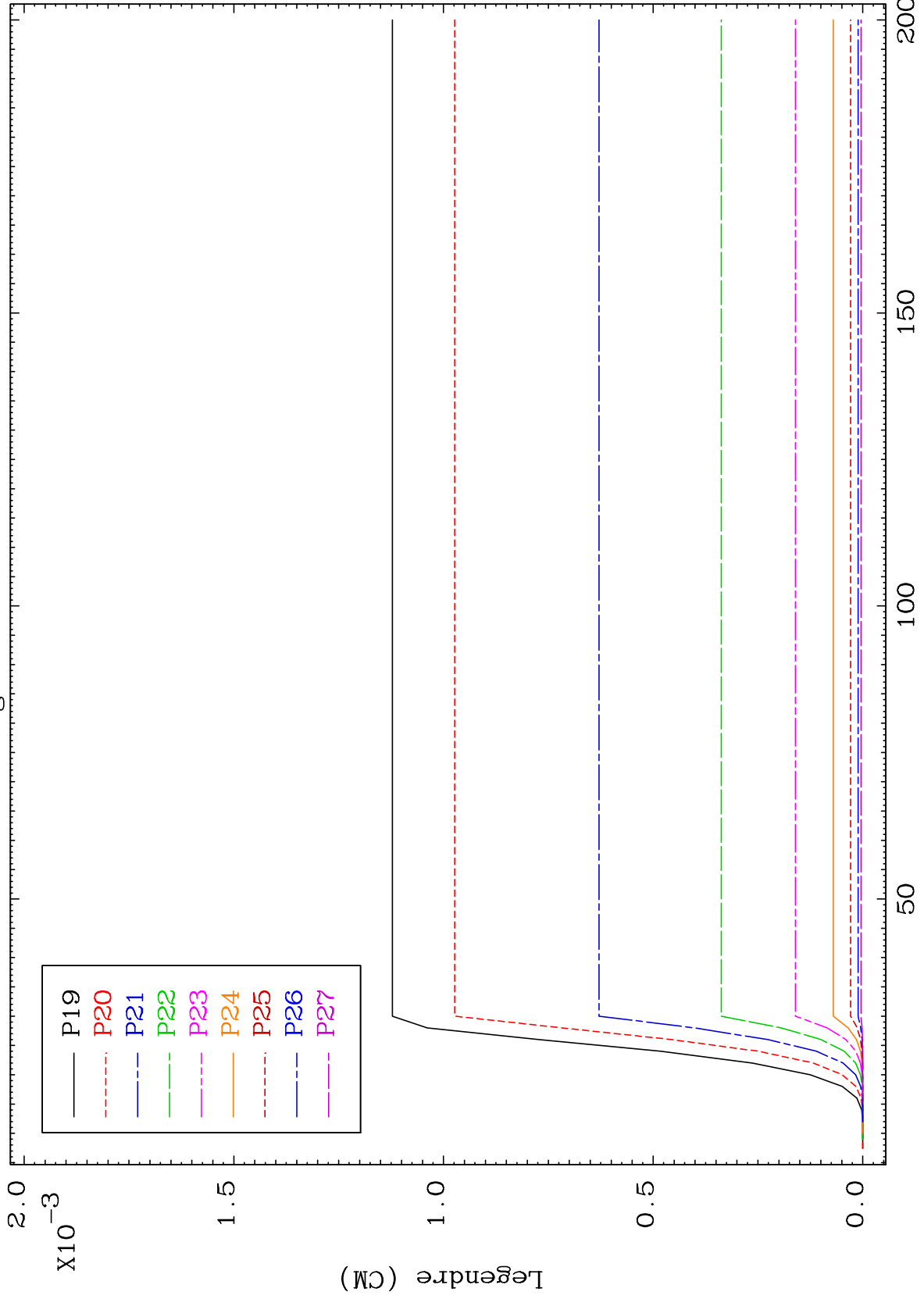
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



57

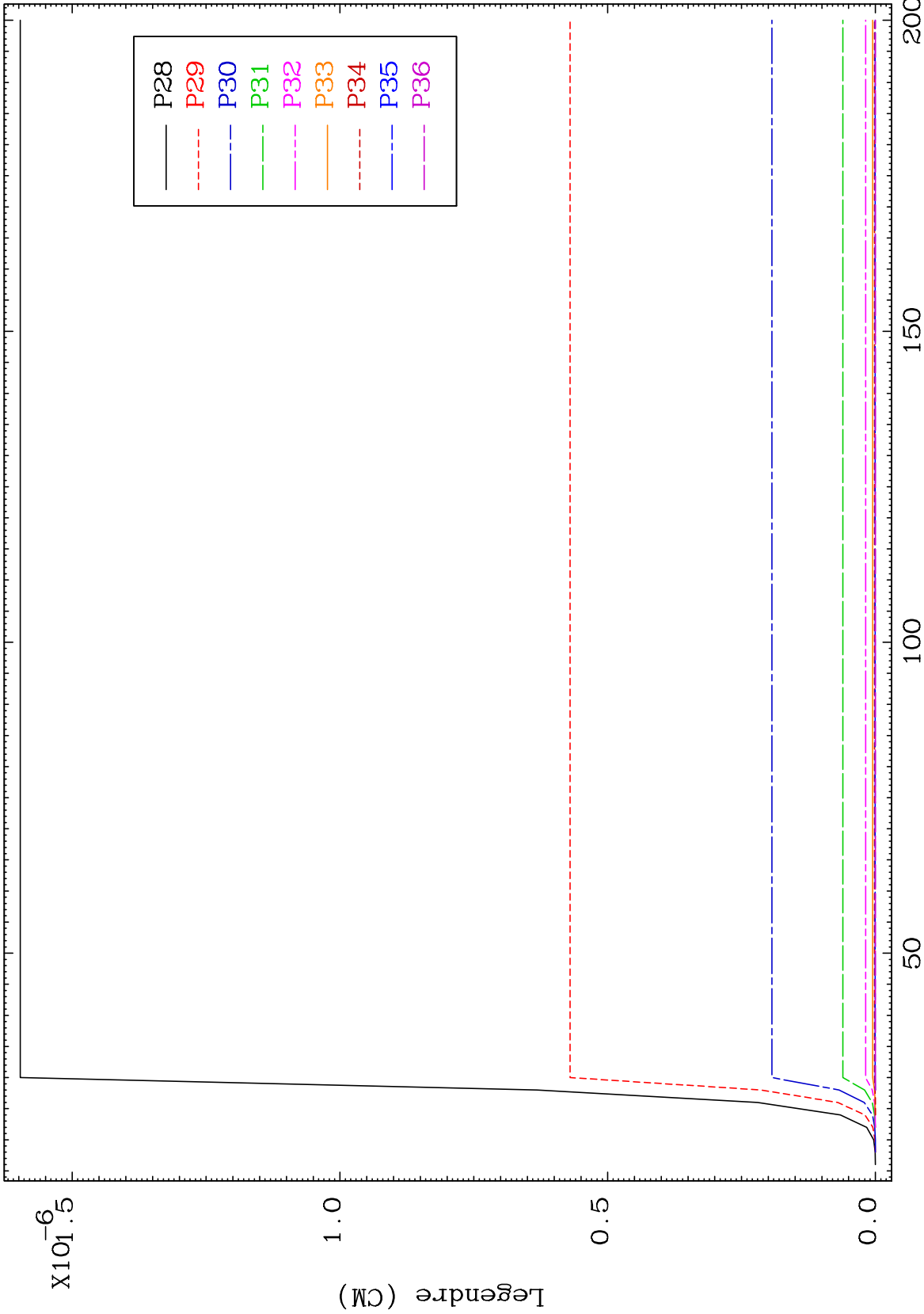
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



58

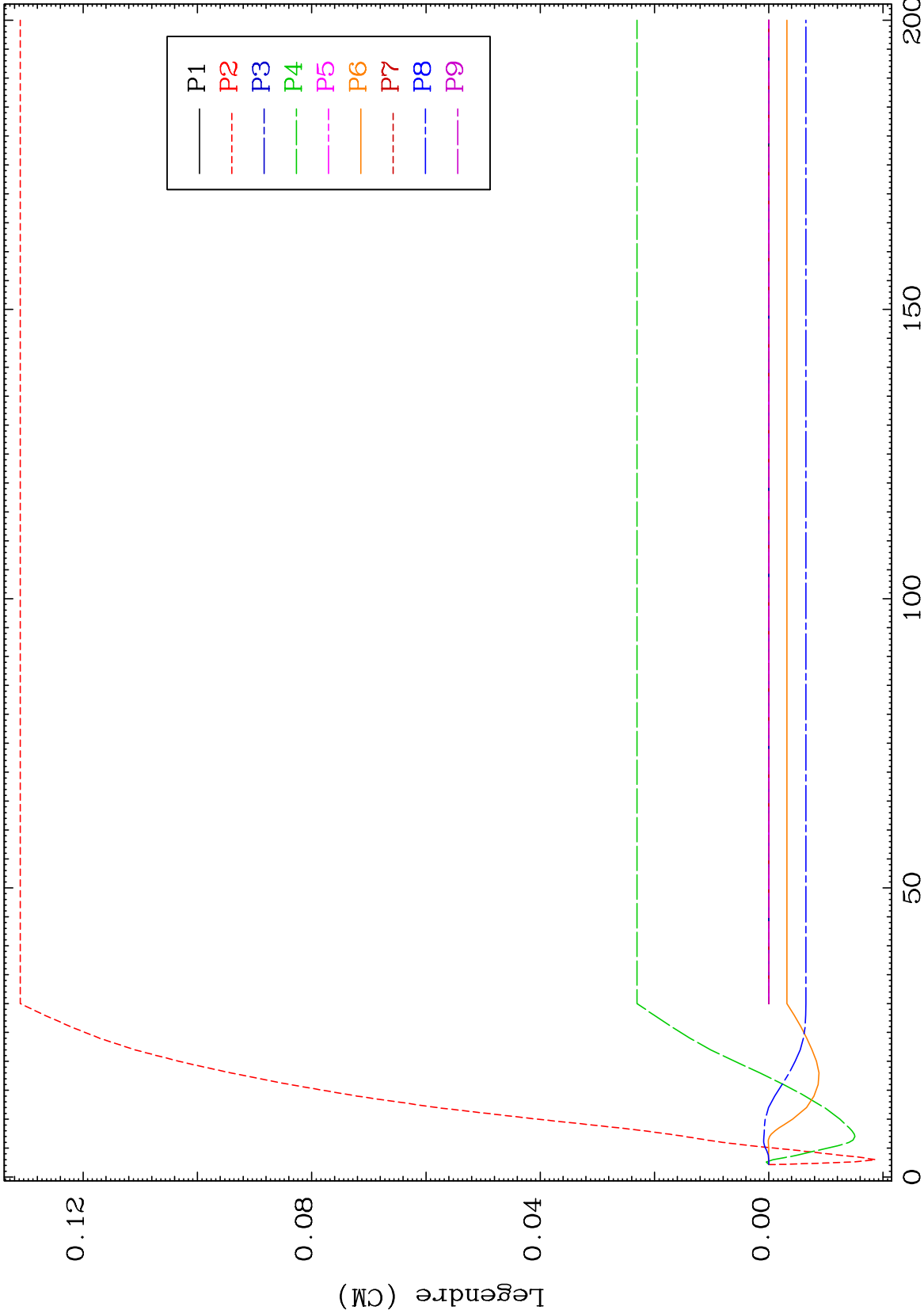
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



59

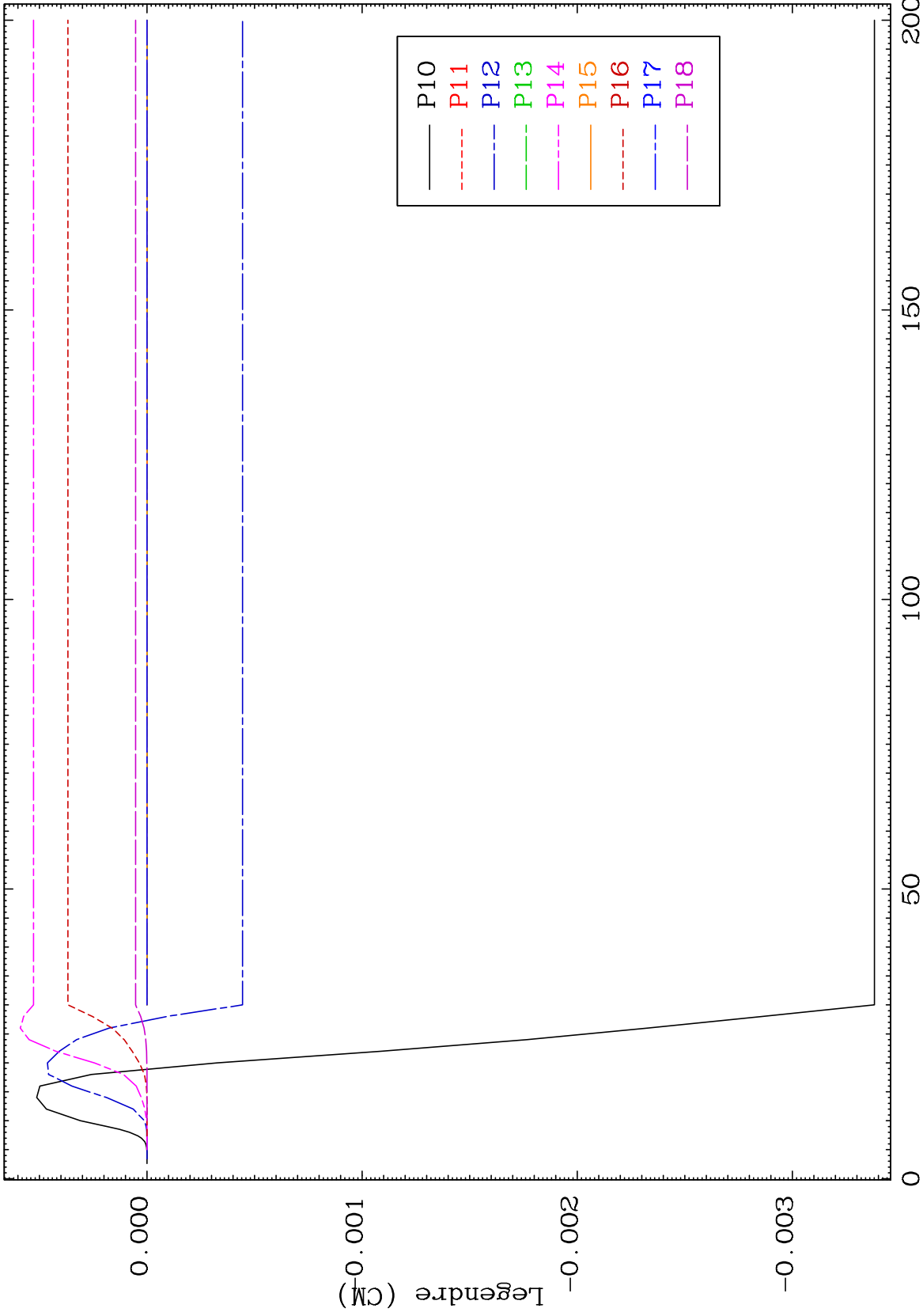
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



60

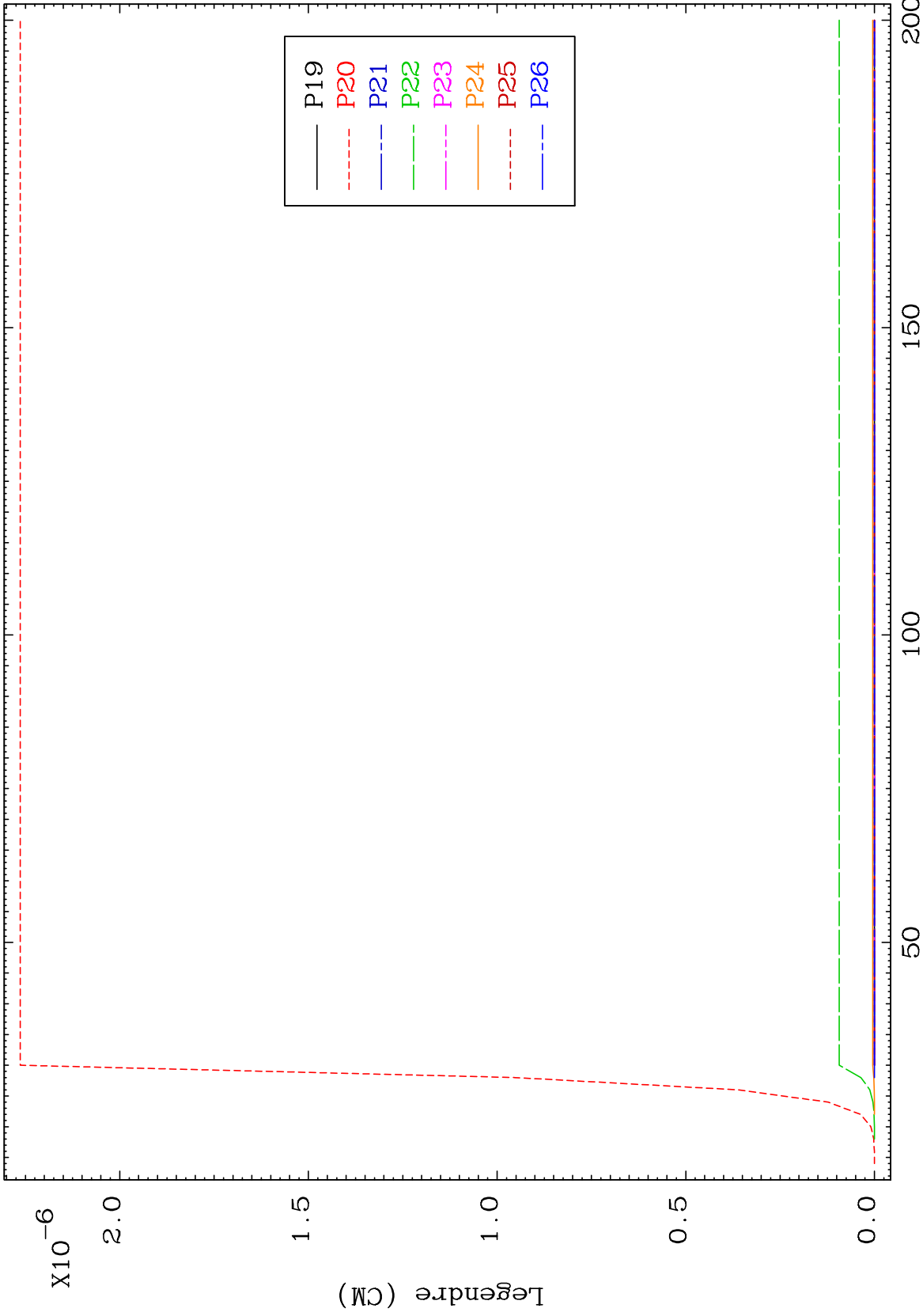
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



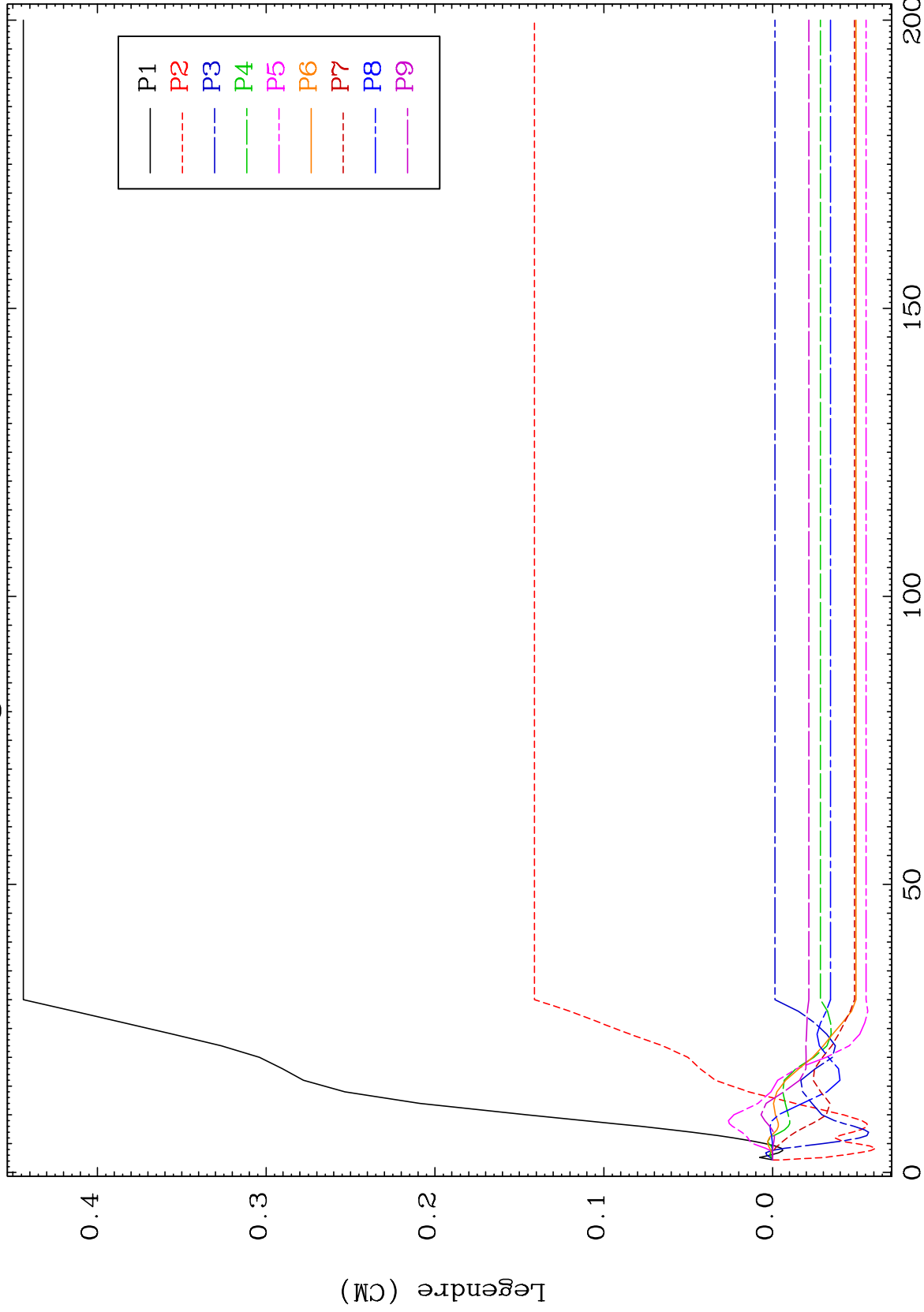
61

54-Xe-128

MAT 5437

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

54-Xe-128



62

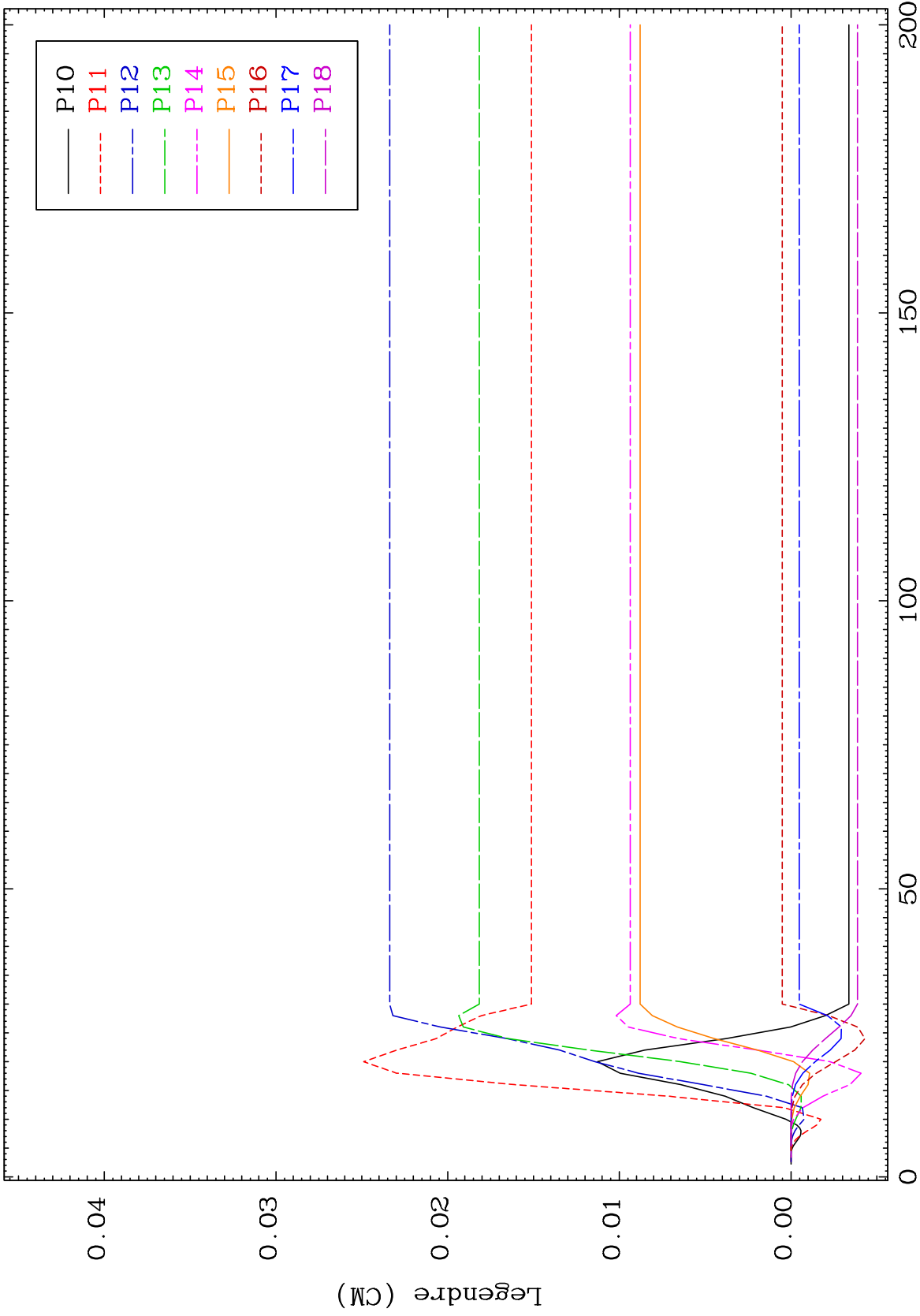
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



63

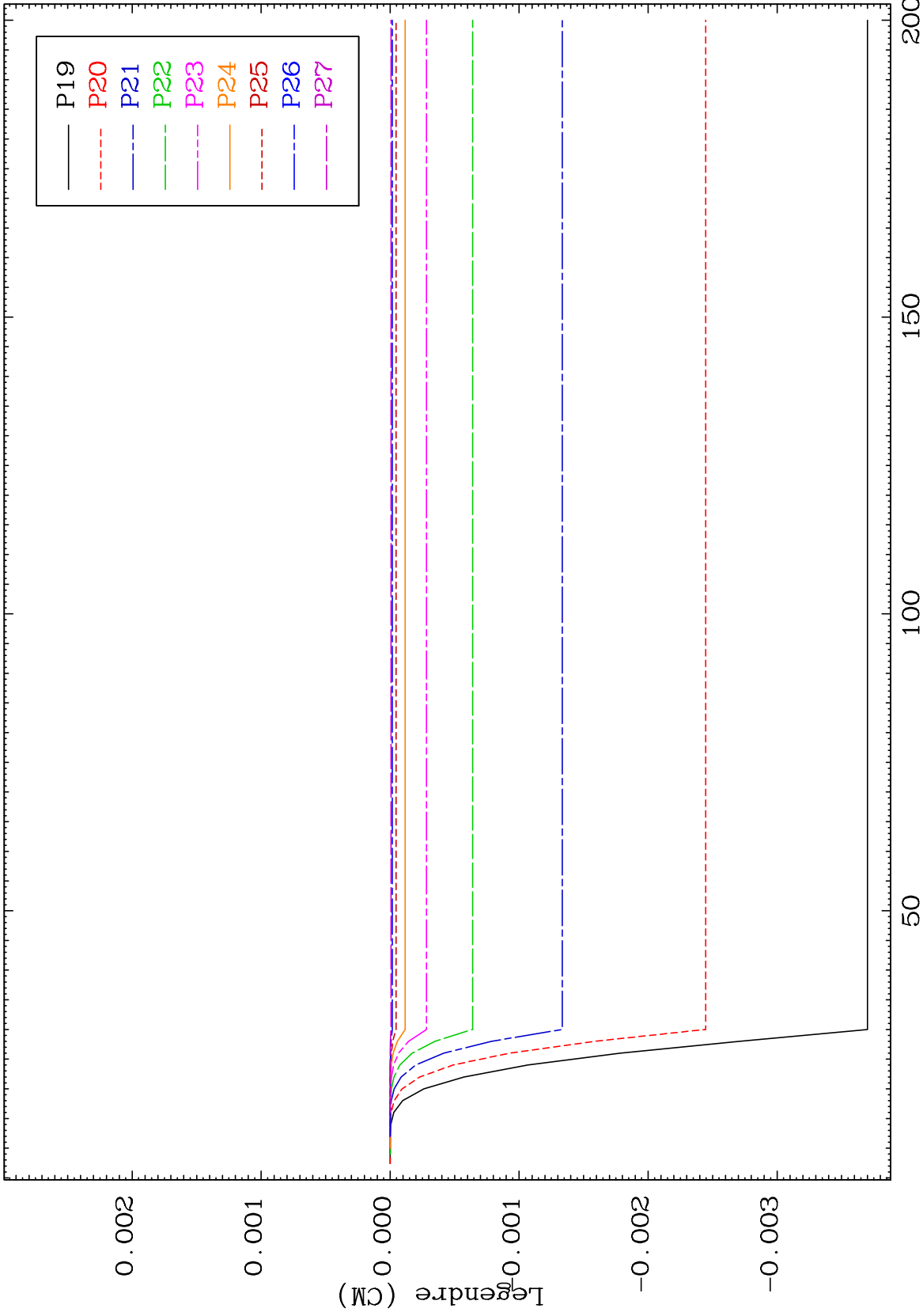
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



64

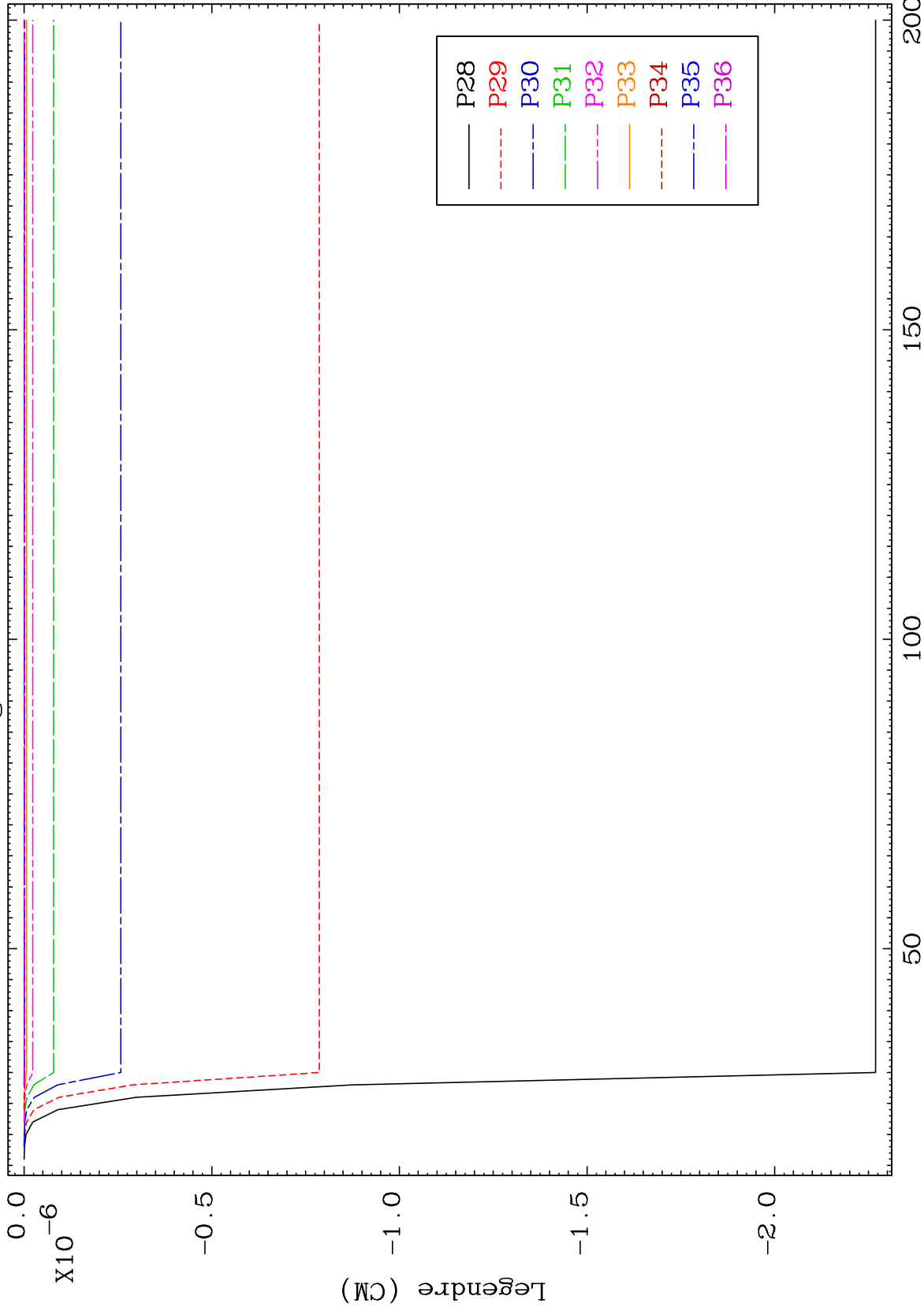
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



65

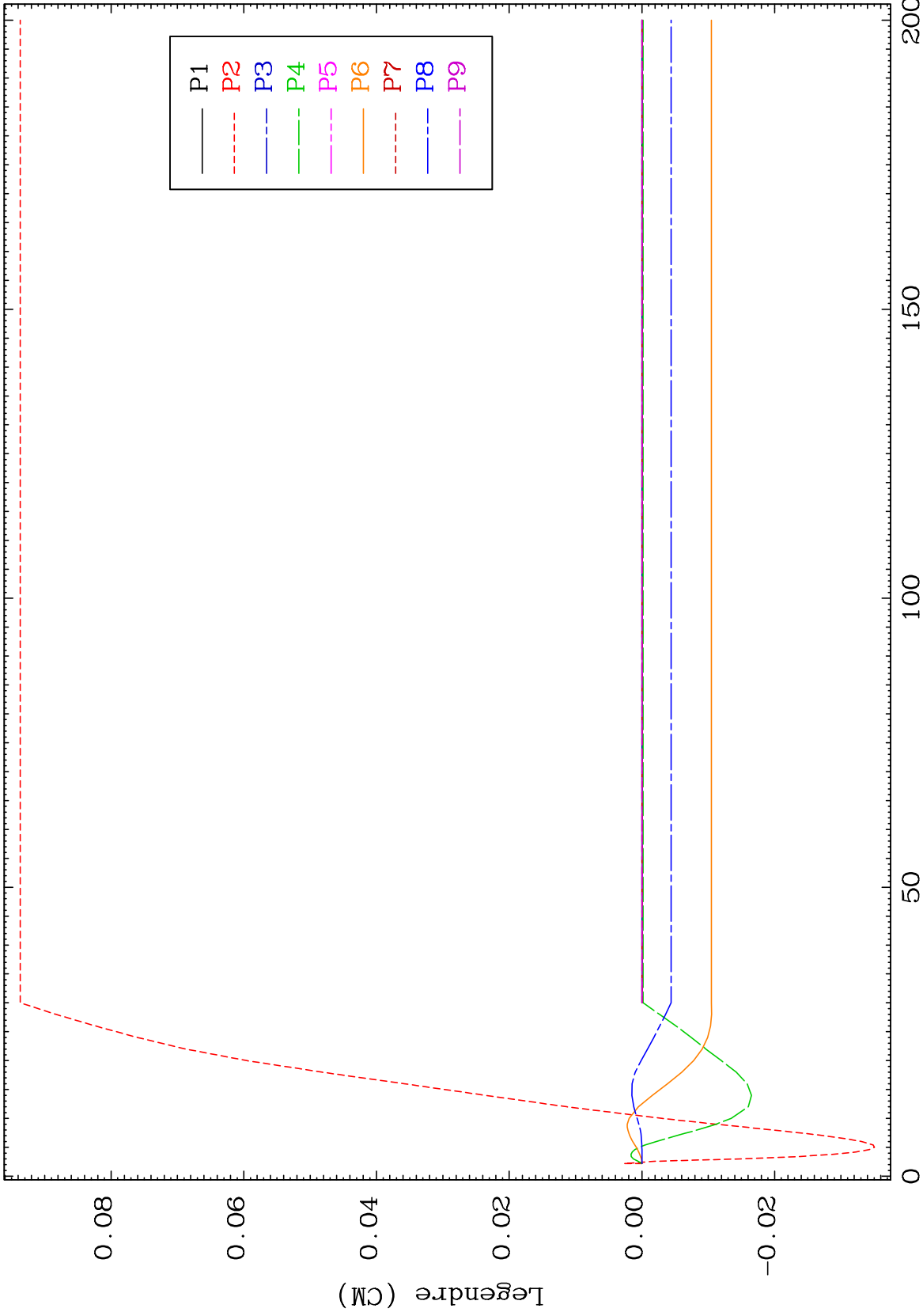
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



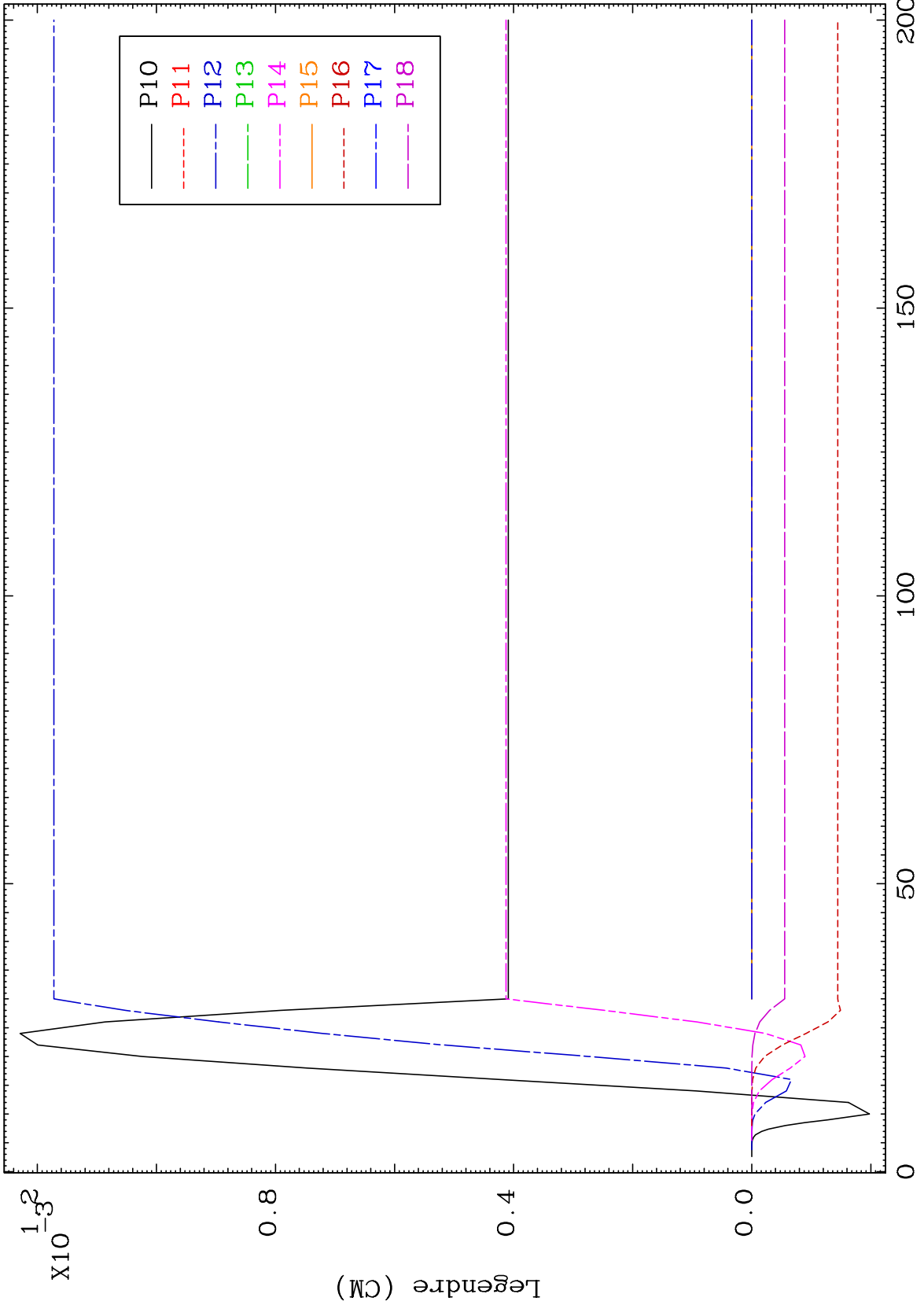
66

54-Xe-128

MAT 5437

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

54-Xe-128



67

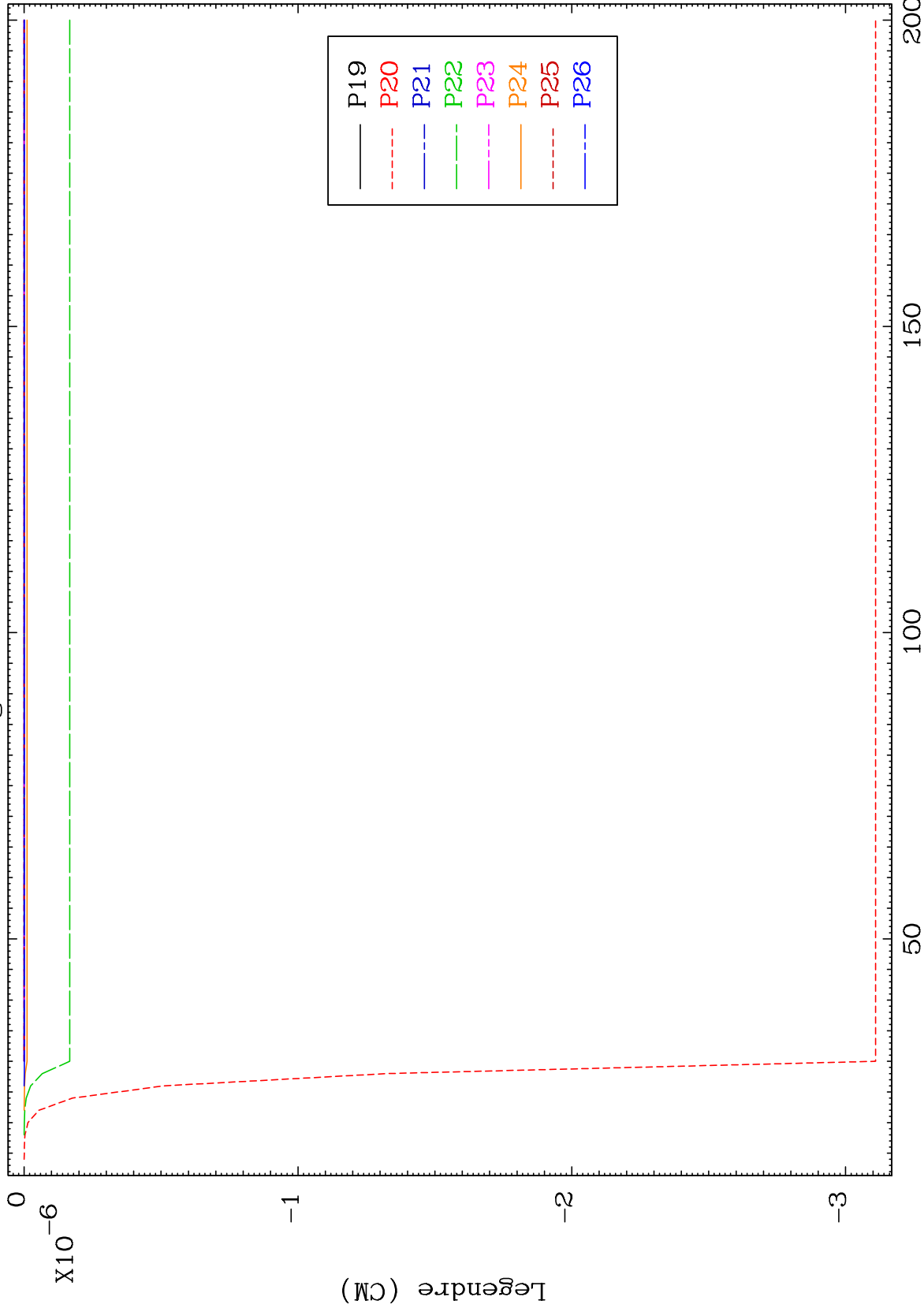
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



68

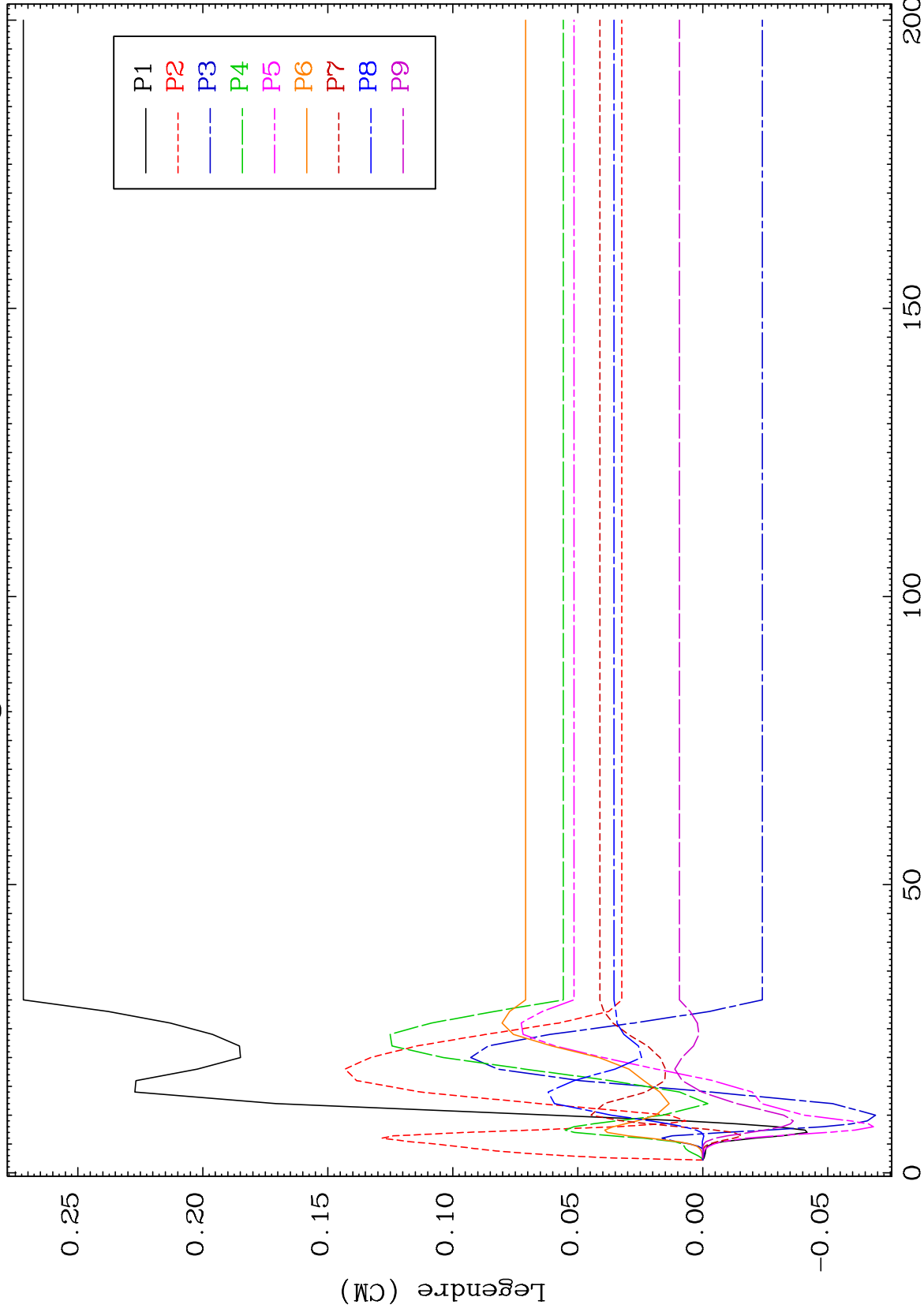
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



69

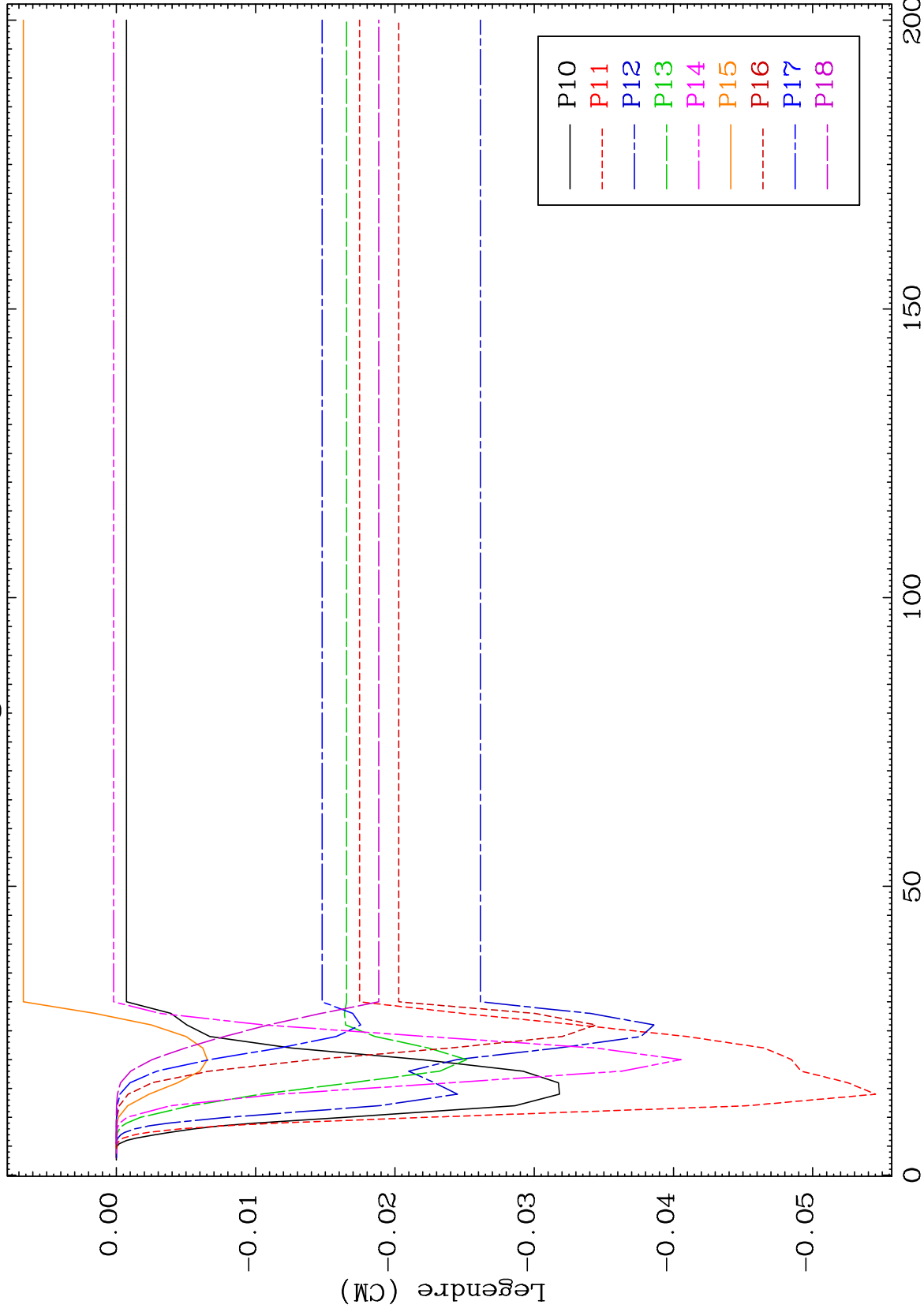
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128

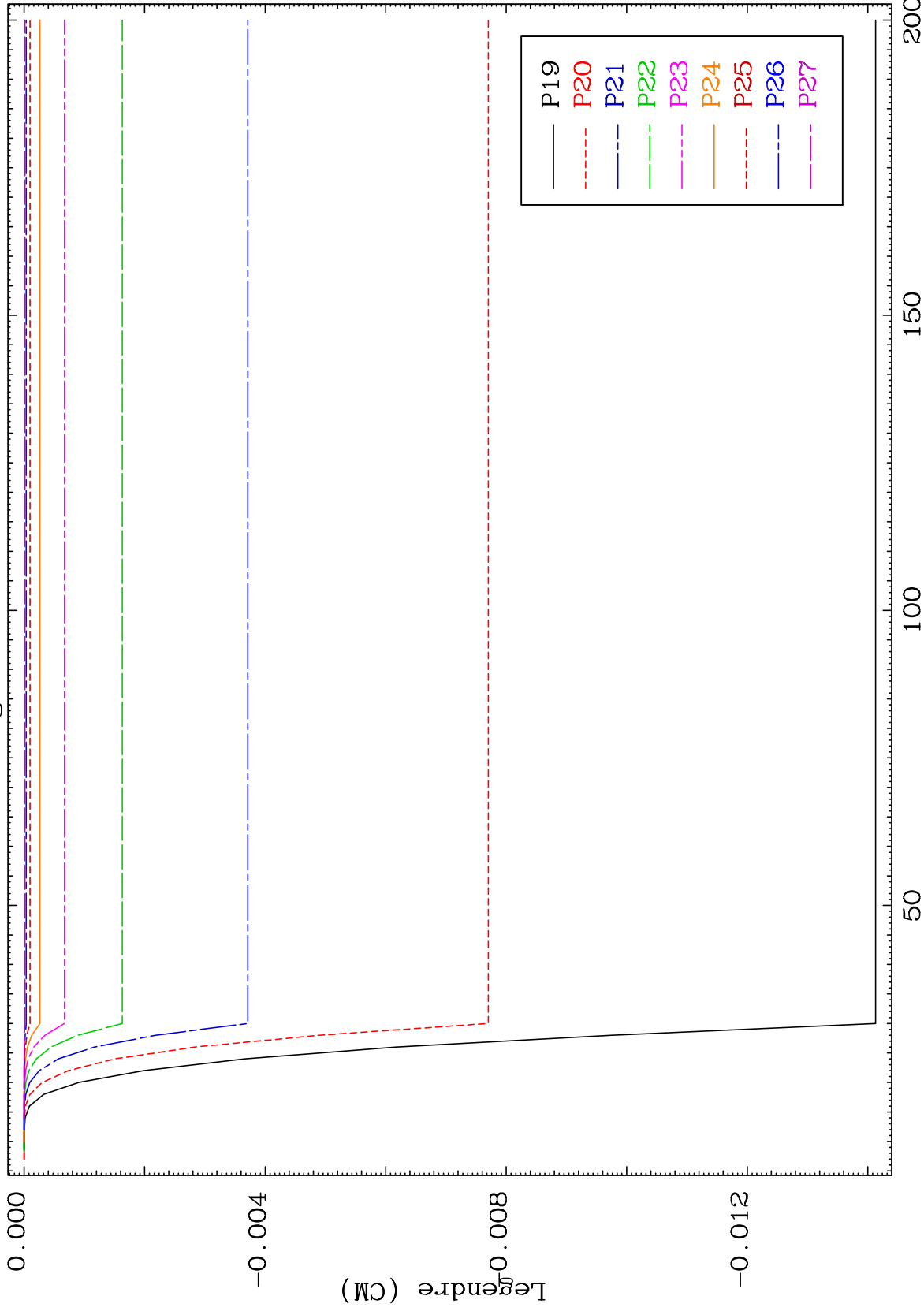


70

Incident Energy (MeV)

54-Xe-128

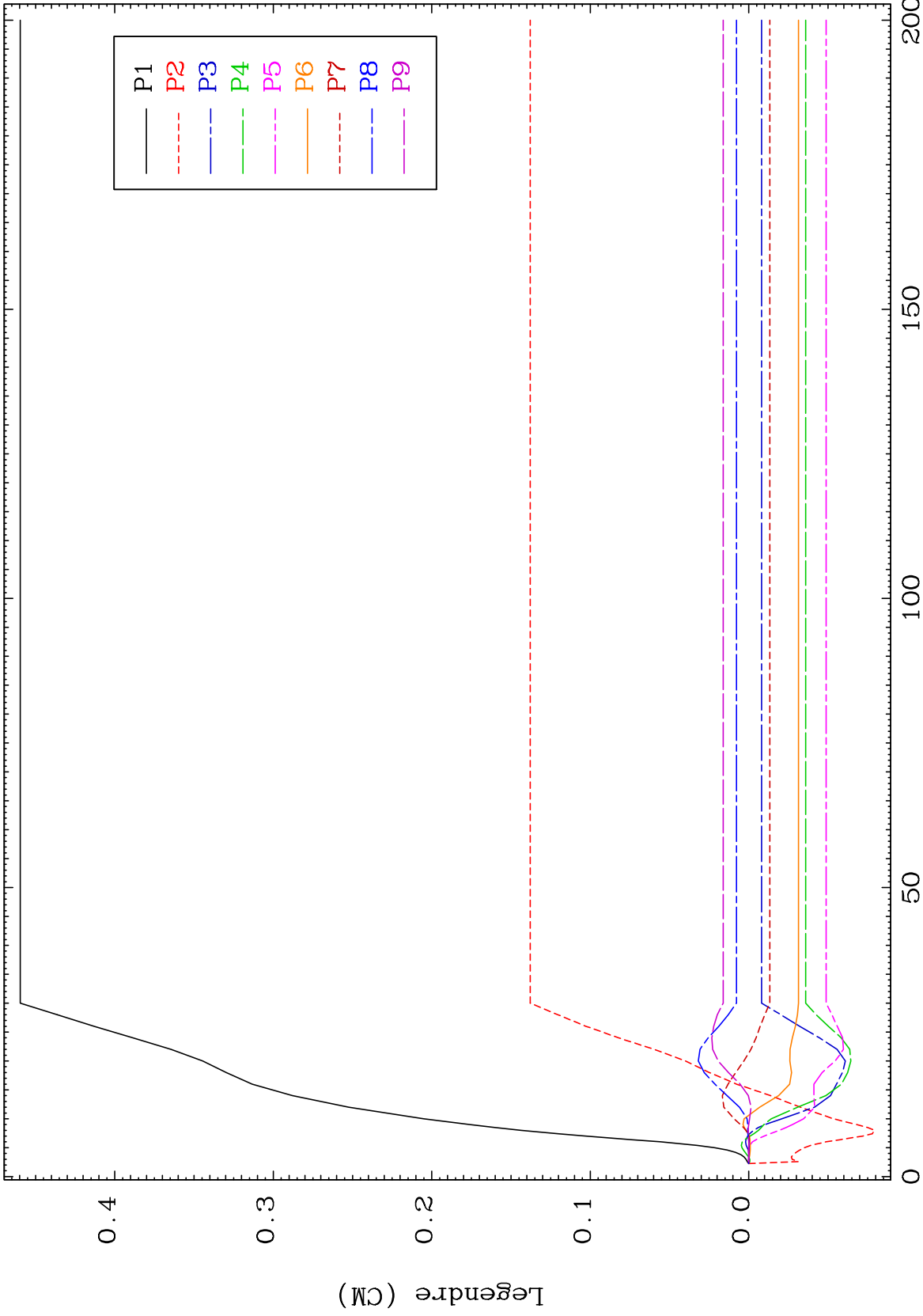
MAT 5437 MT= 65 (n,n') Level Legendre Coefficients 54-Xe-128



MAT 5437

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

54-Xe-128



73

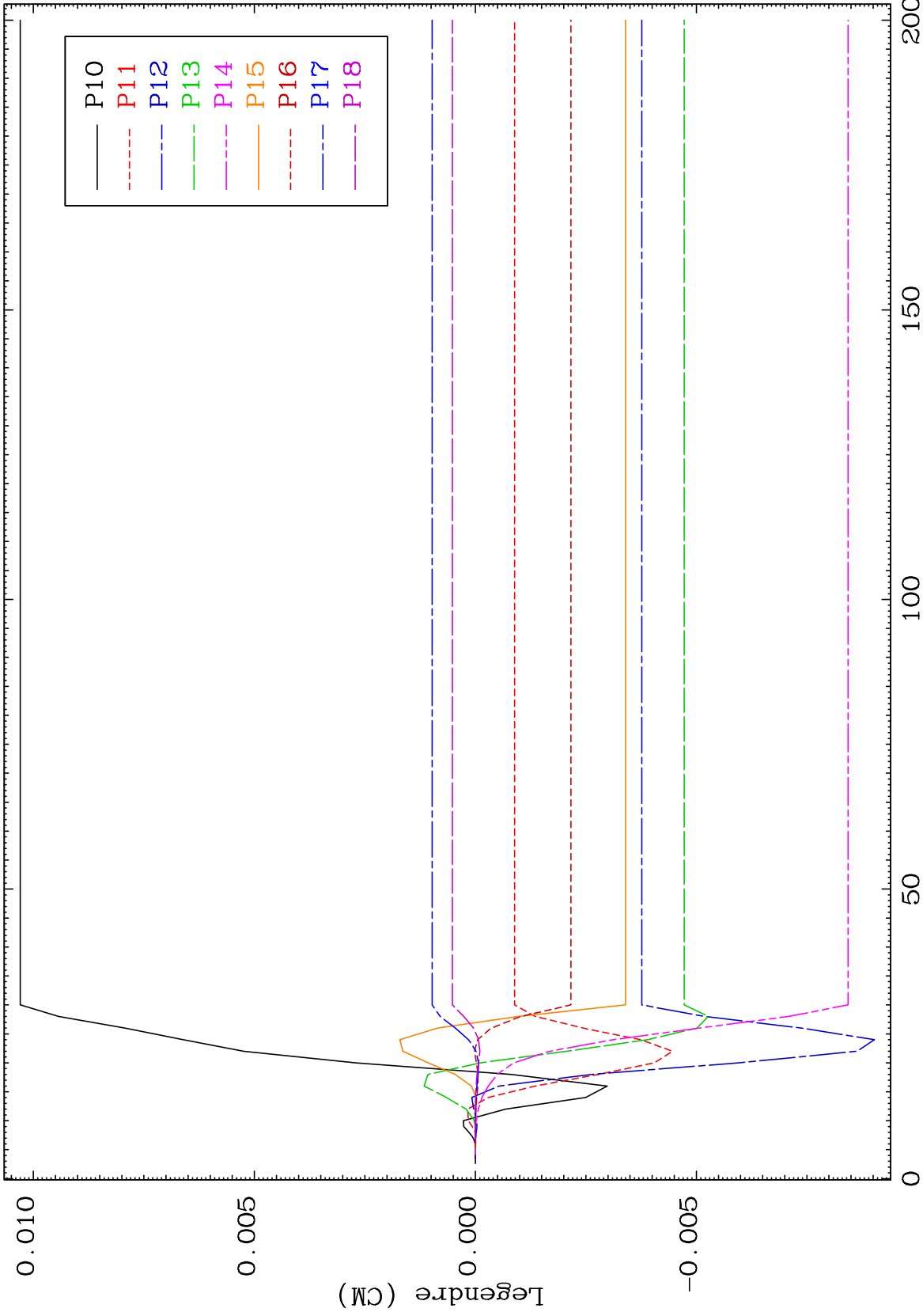
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



74

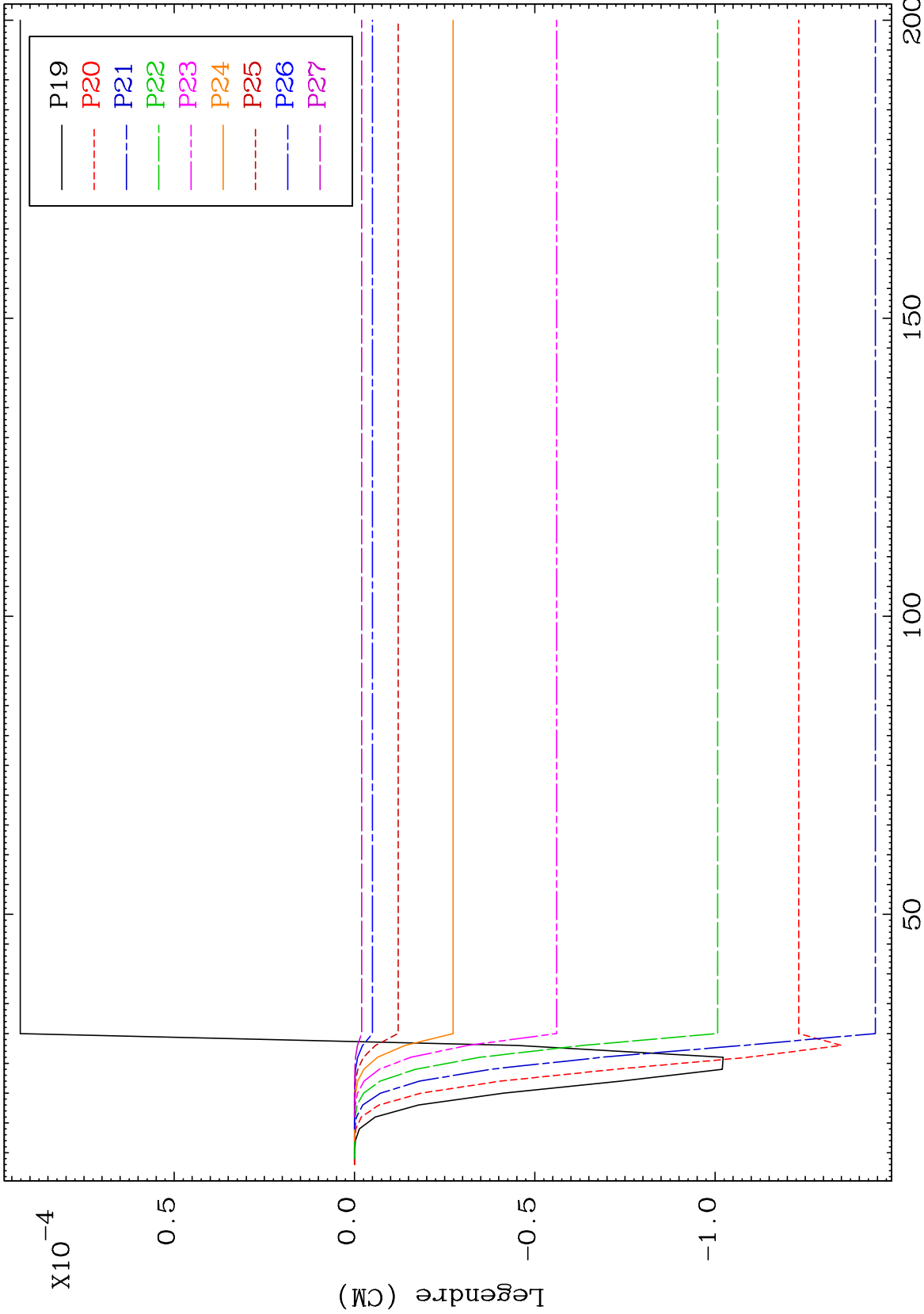
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



75

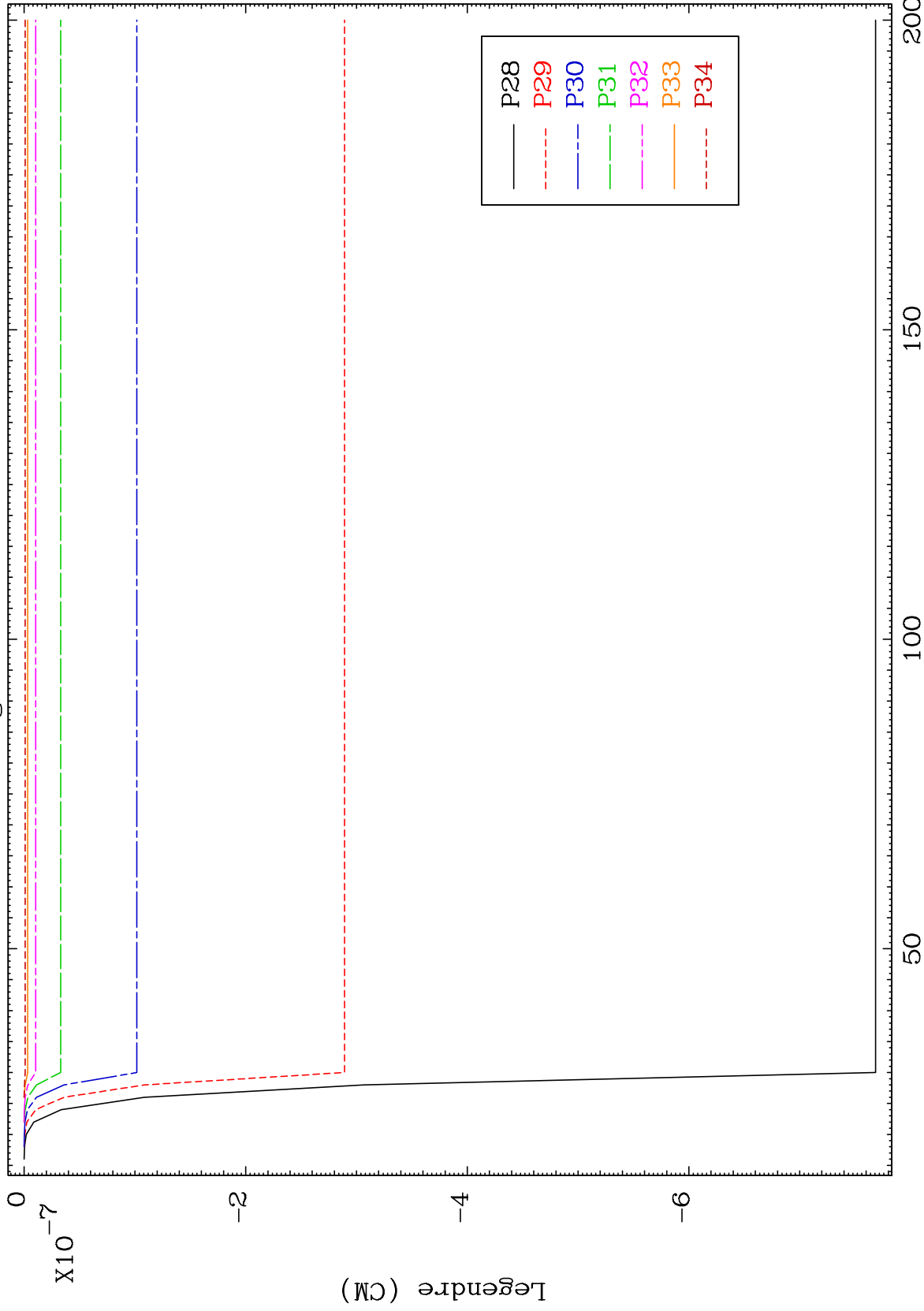
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



76

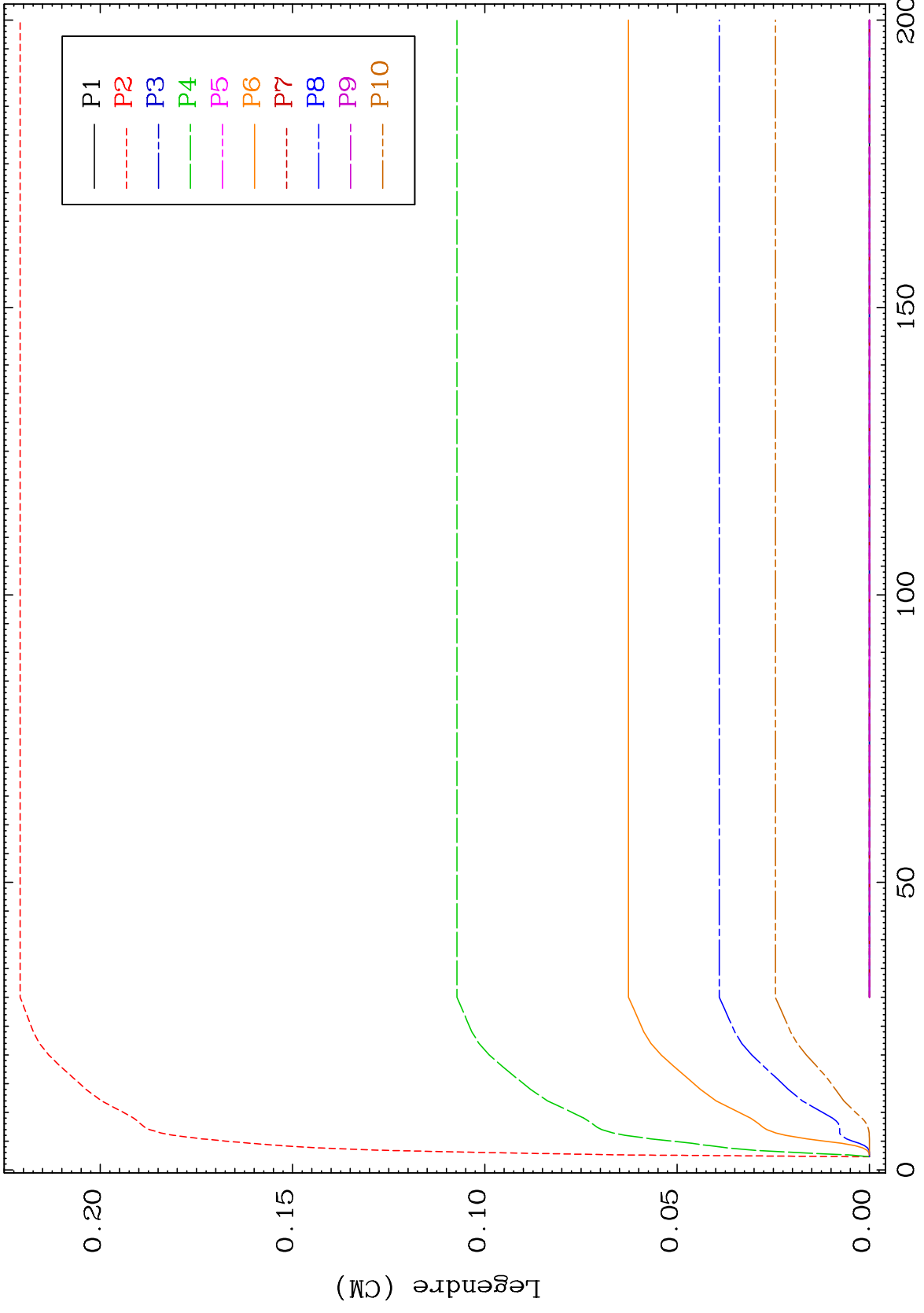
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128

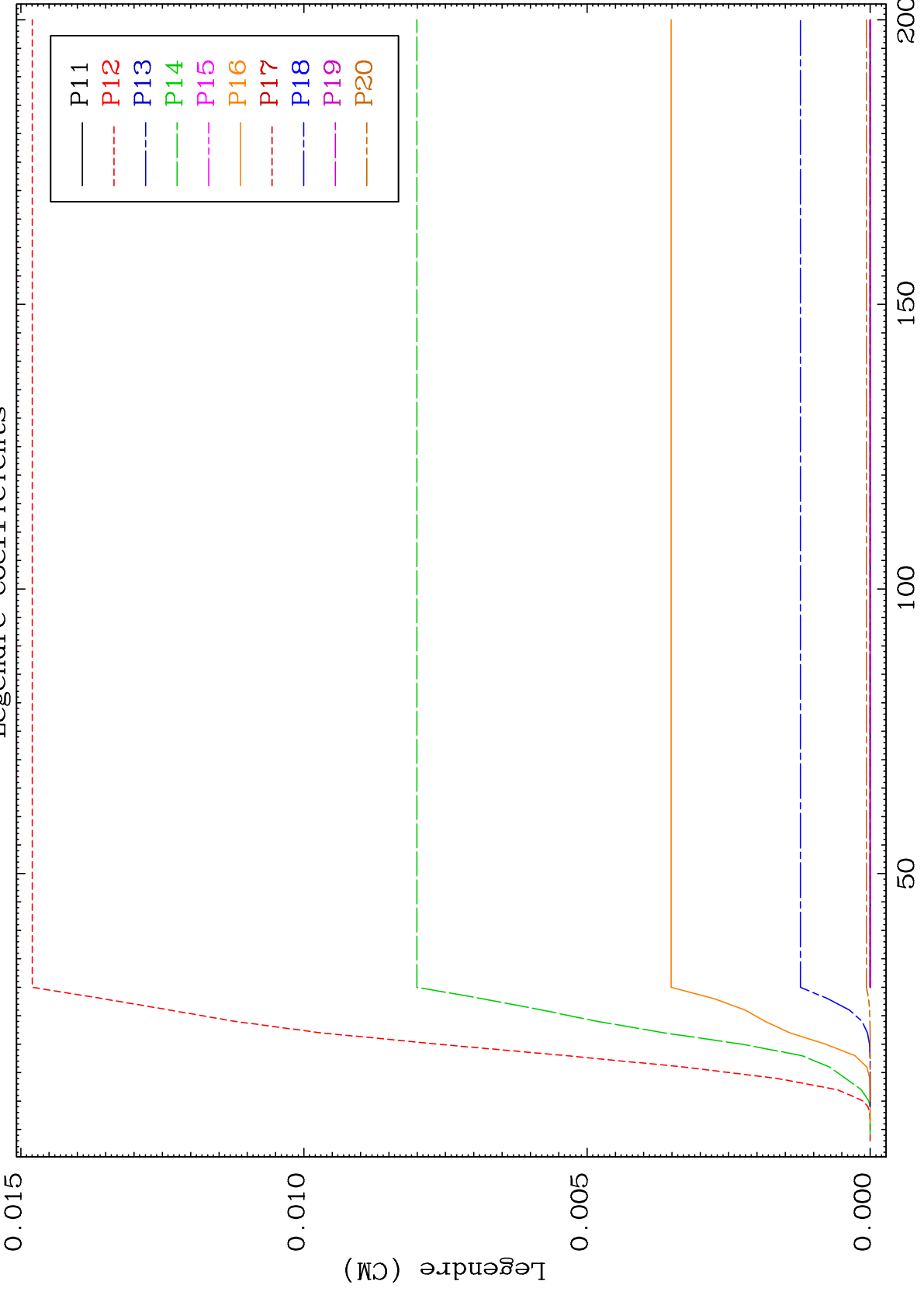


77

Incident Energy (MeV)

54-Xe-128

MAT 5437 MT= 67 (n,n') Level Legendre Coefficients 54-Xe-128

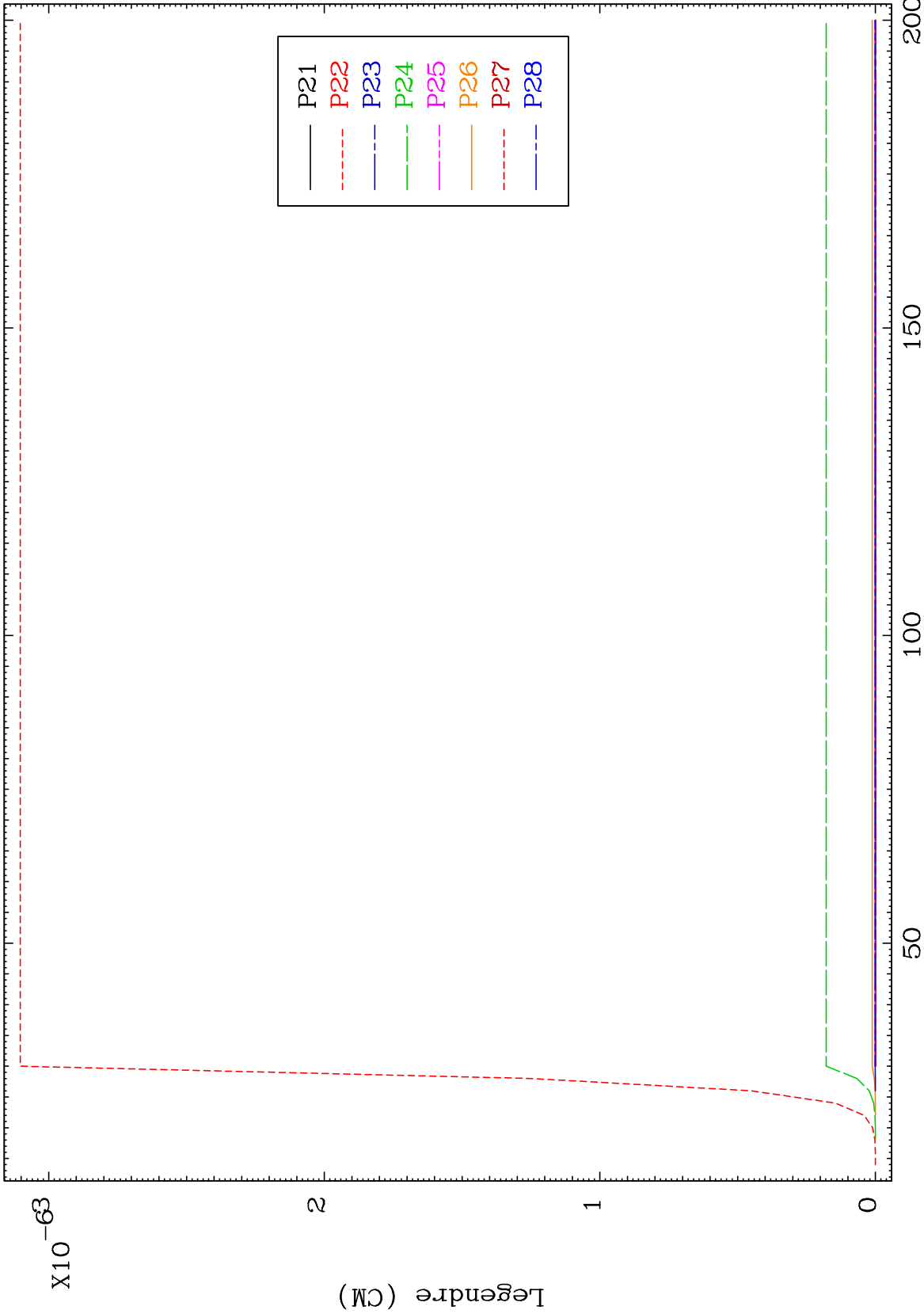


78 54-Xe-128

MAT 5437

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

54-Xe-128



79

Incident Energy (MeV)

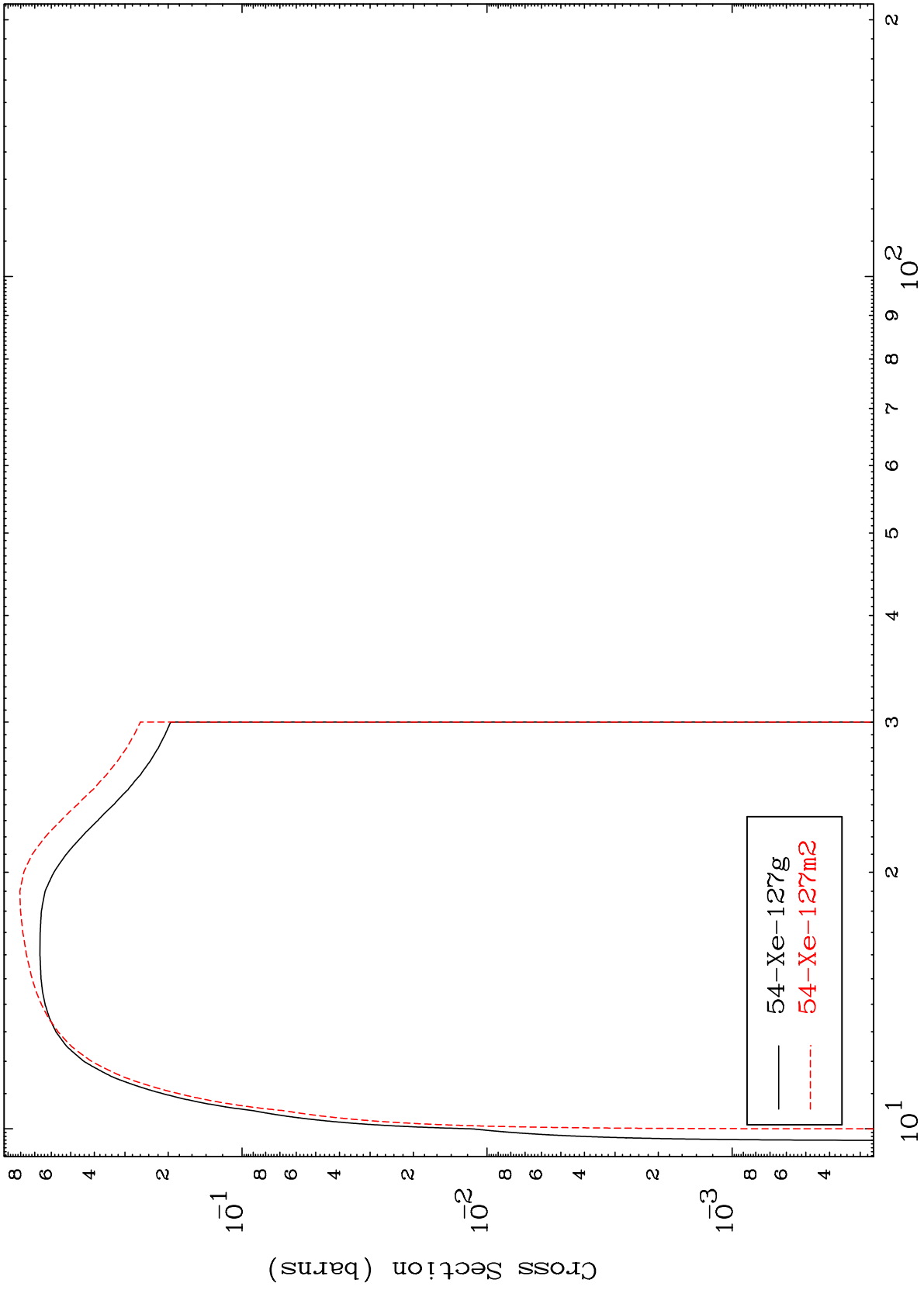
54-Xe-128

MAT 5437

(n,2n)

54-Xe-128

Radionuclide Production Cross Section



80

54-Xe-128

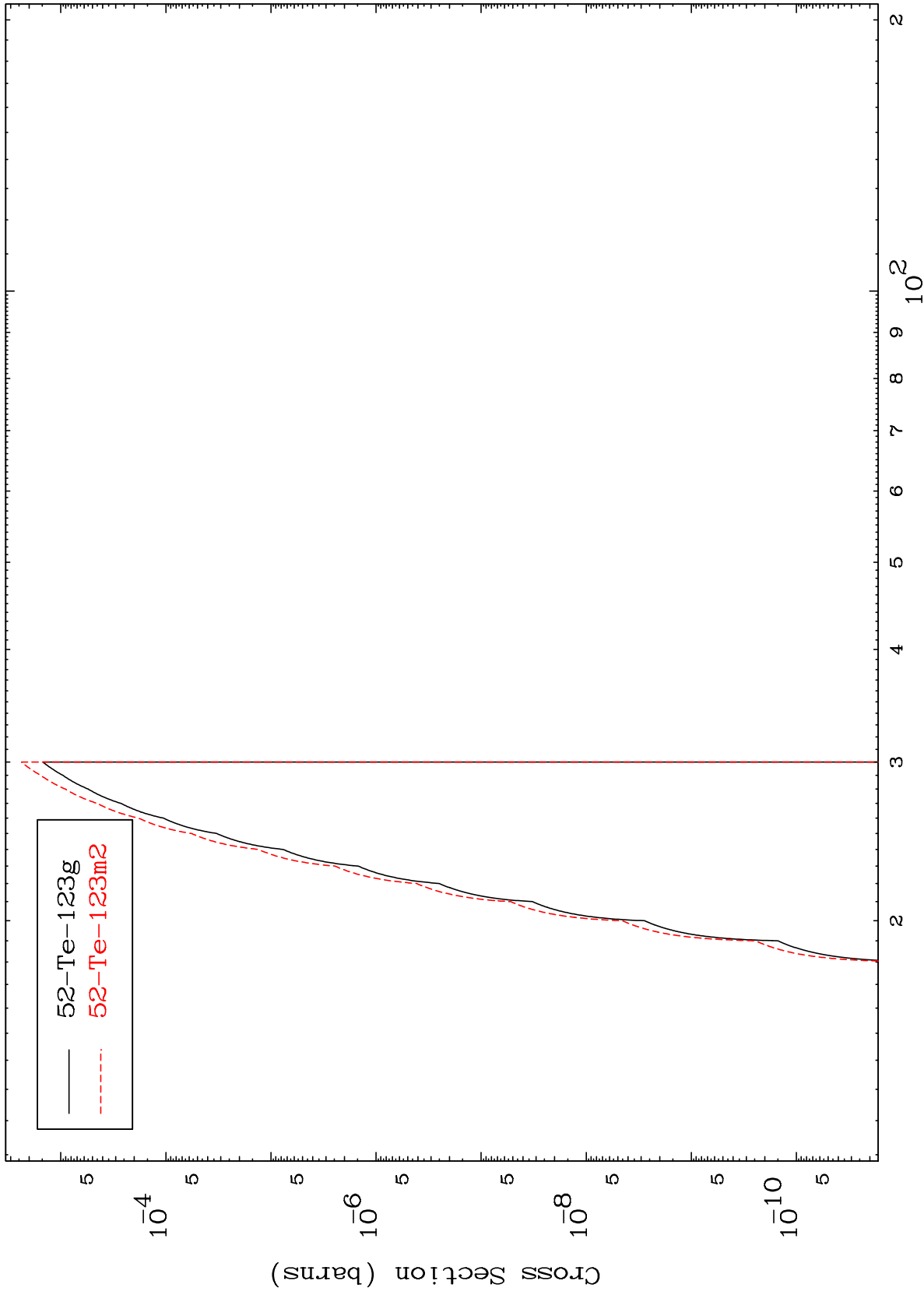
54-Xe-128

MAT 5437

(n,2n) α

54-Xe-128

Radionuclide Production Cross Section



81

Incident Energy (MeV)

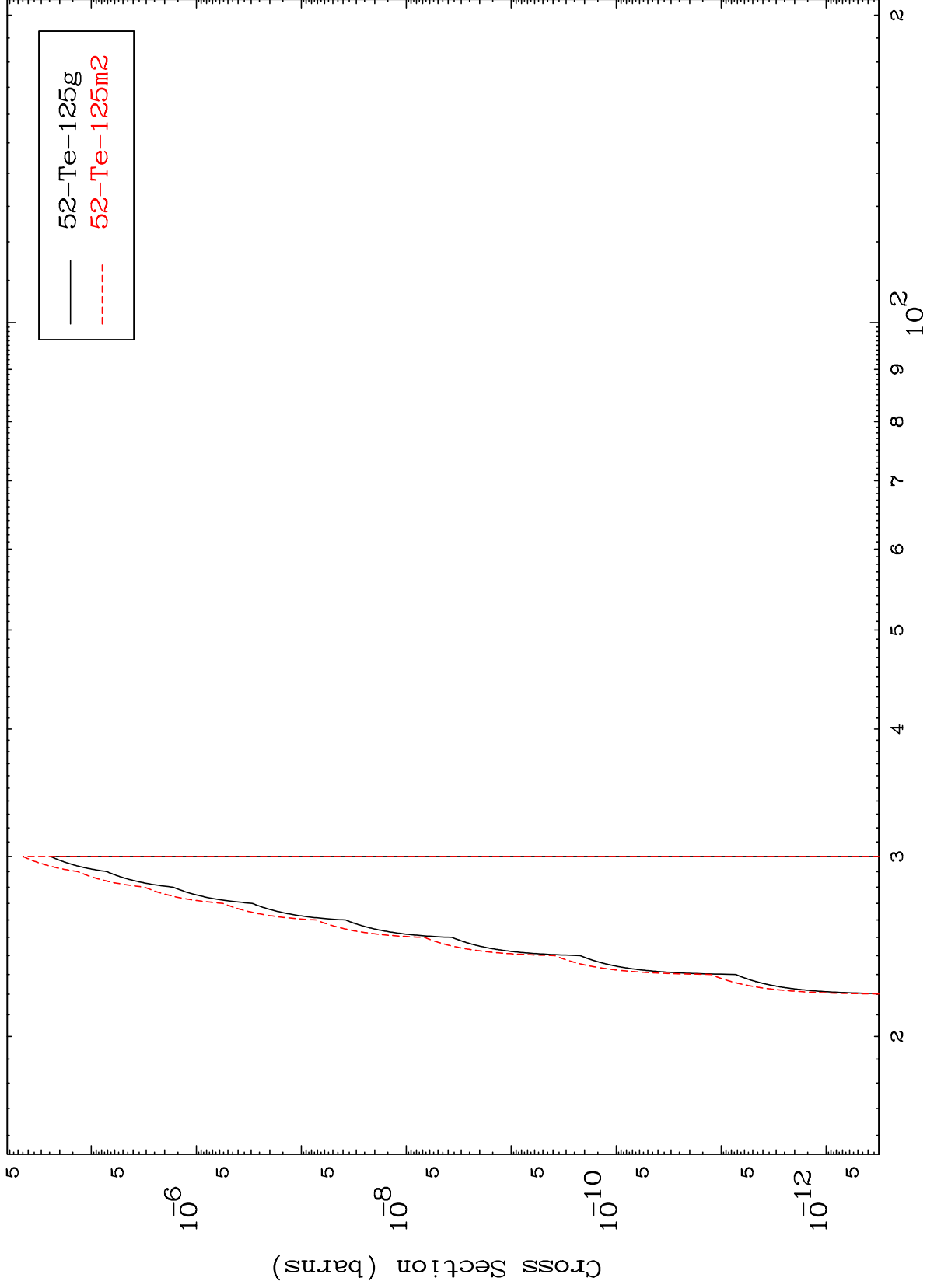
54-Xe-128

MAT 5437

(n, n') He-3

54-Xe-128

Radionuclide Production Cross Section



82

Incident Energy (MeV)

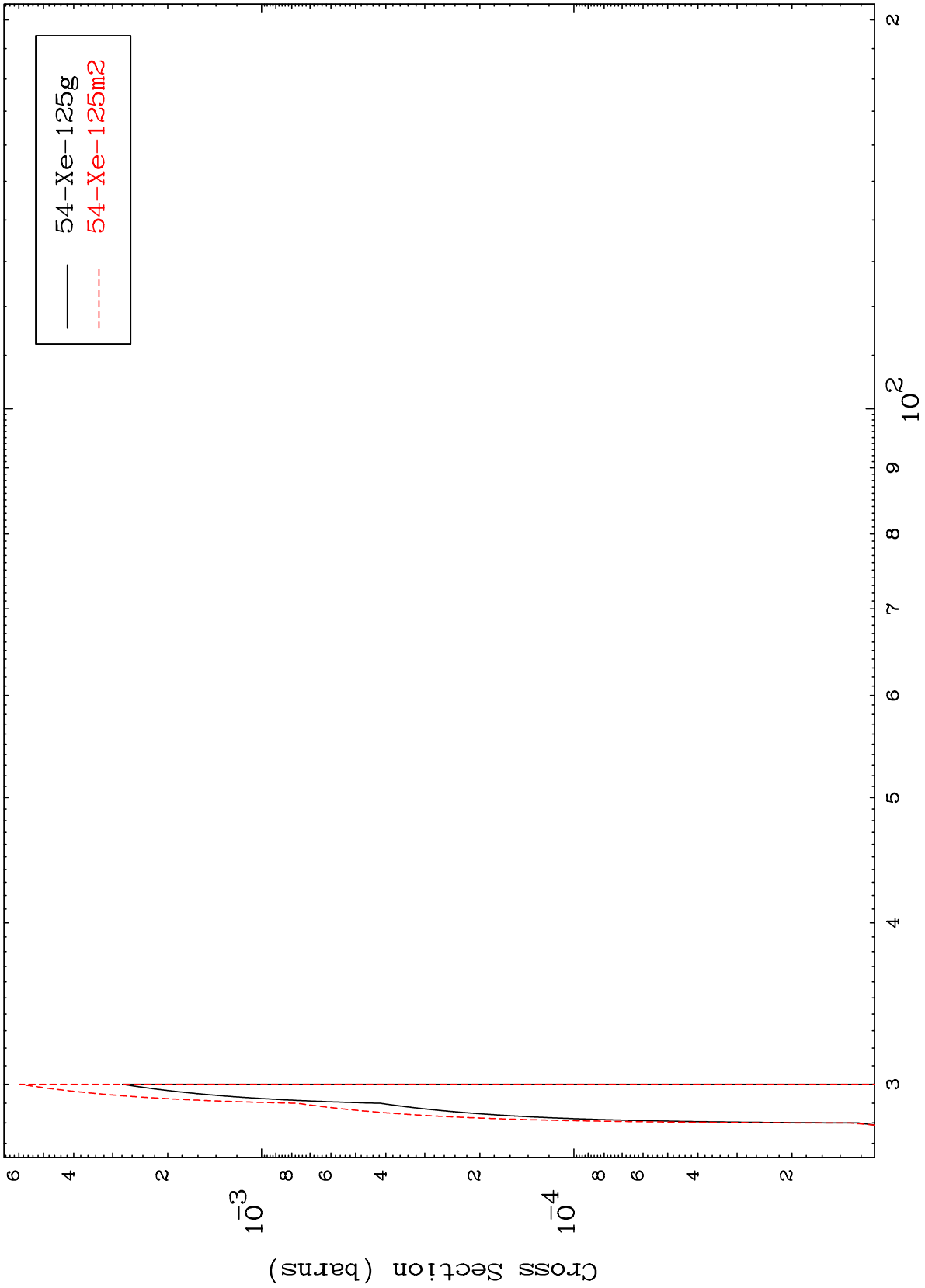
54-Xe-128

MAT 5437

(n,4n)

54-Xe-128

Radionuclide Production Cross Section



83

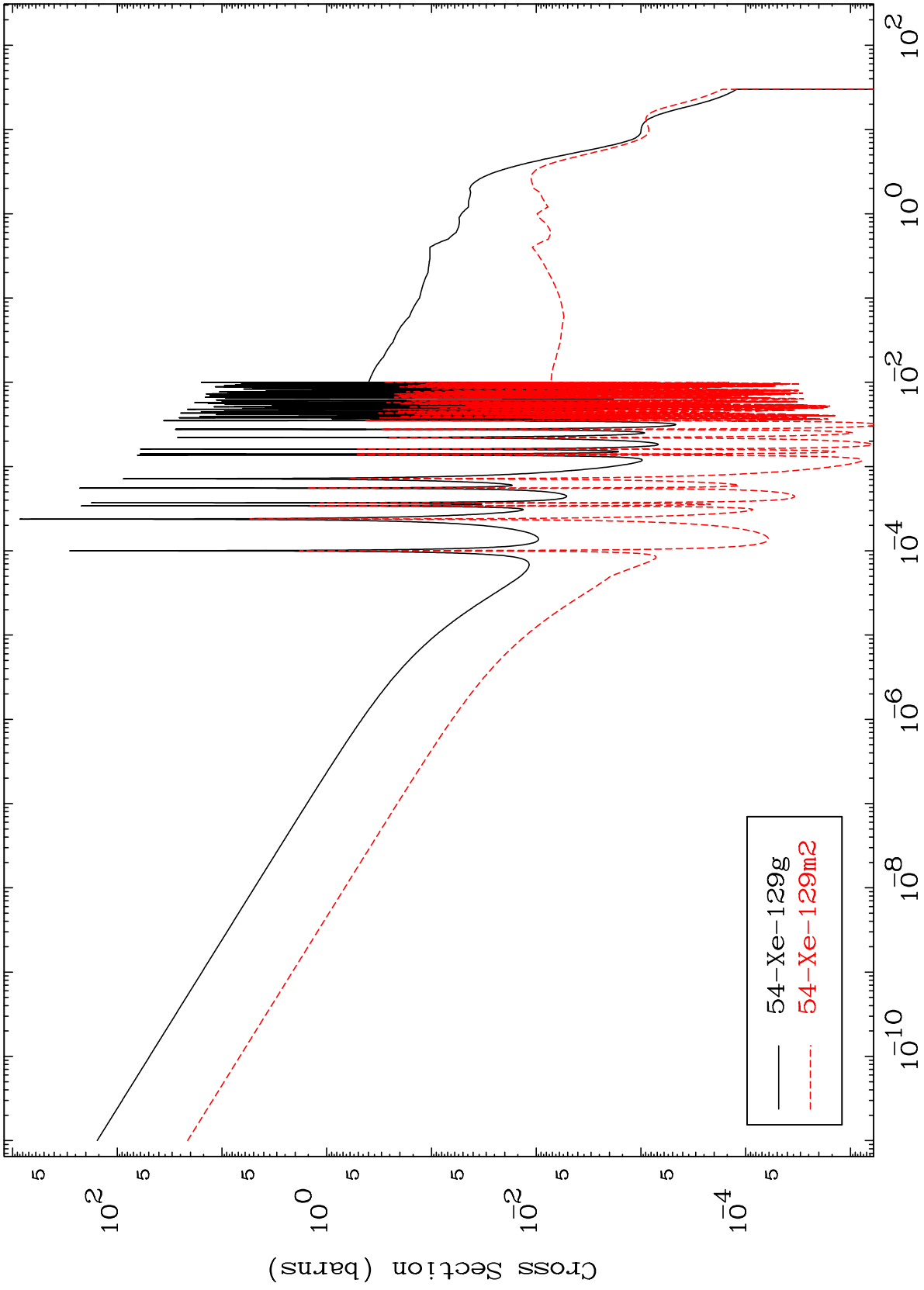
Incident Energy (MeV)

54-Xe-128

MAT 5437

54-Xe-128

(n,γ)
Radionuclide Production Cross Section



84

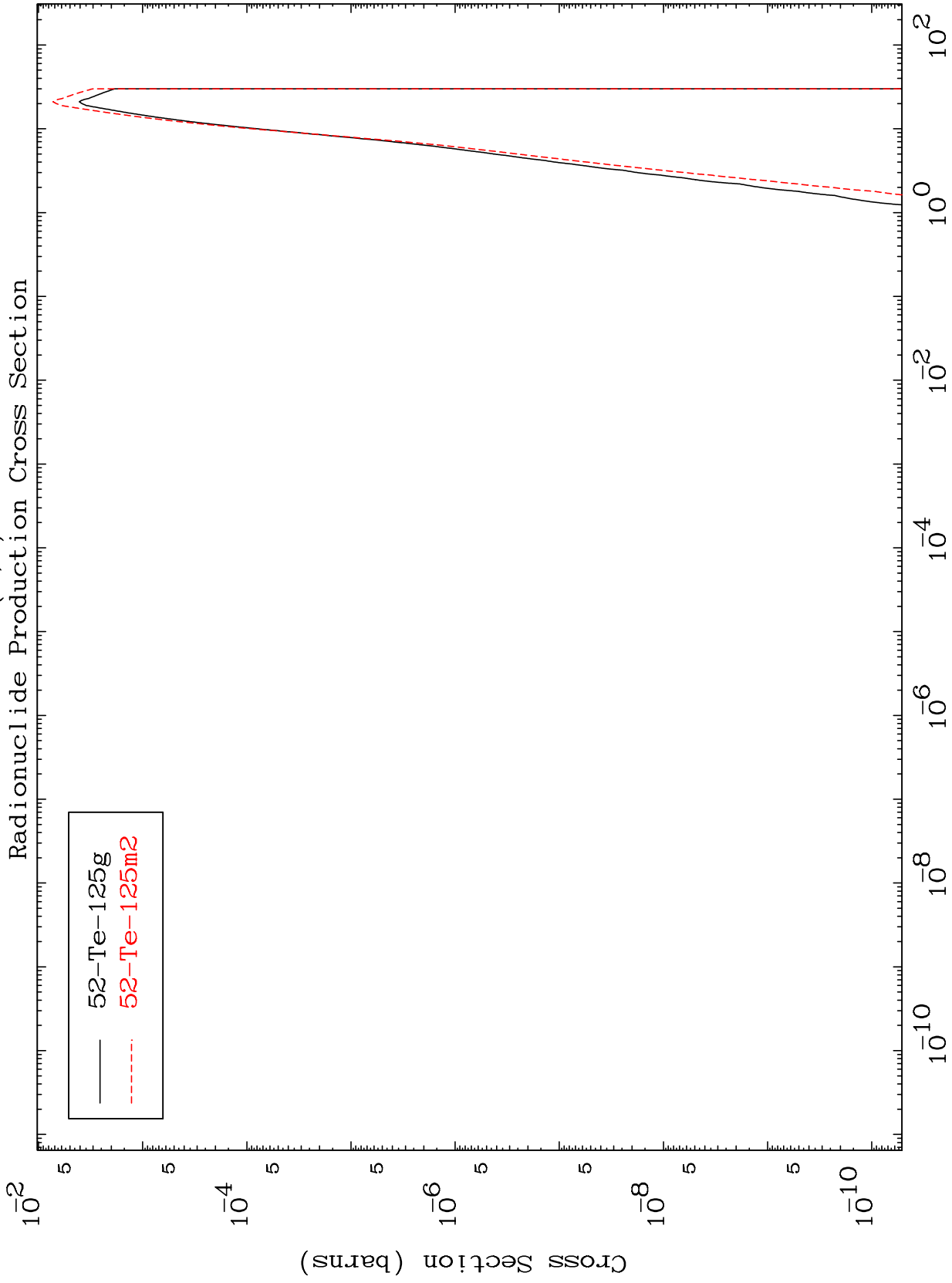
54-Xe-128

MAT 5437

(n, α)

54-Xe-128

Radionuclide Production Cross Section



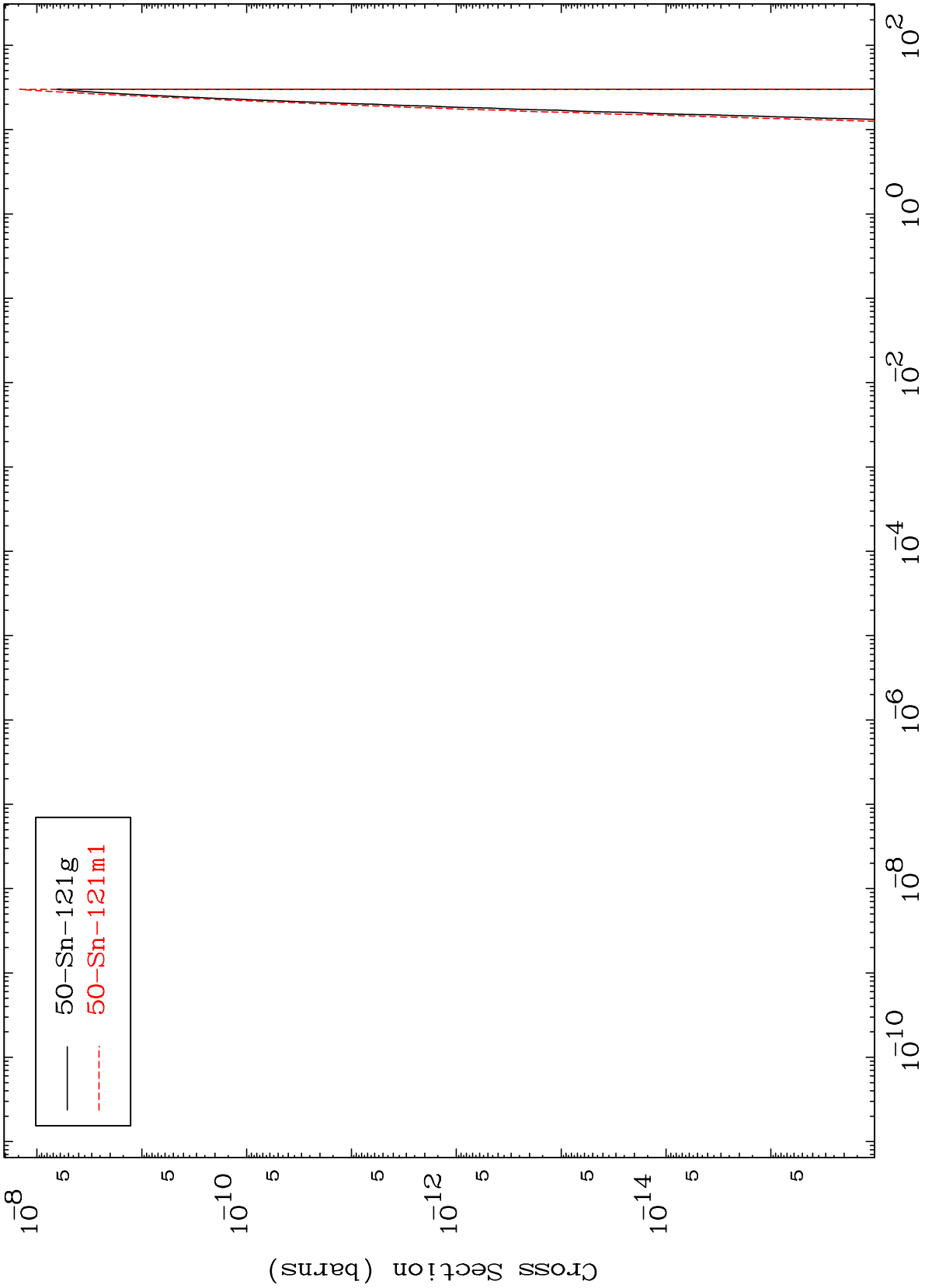
85

MAT 5437

(n,2α)

54-Xe-128

Radionuclide Production Cross Section



86

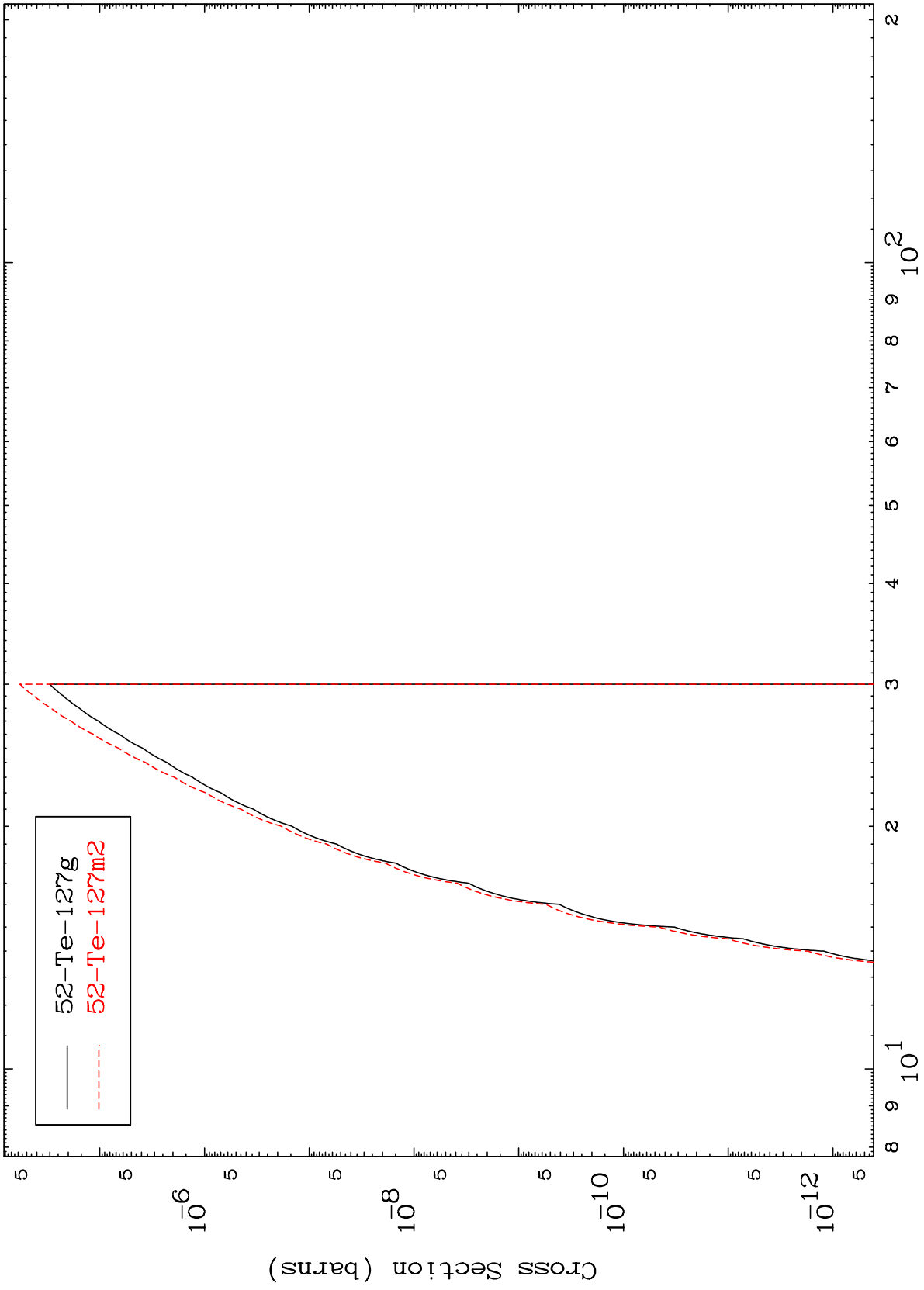
Incident Energy (MeV)

54-Xe-128

MAT 5437

54-Xe-128

(n,2p)
Radionuclide Production Cross Section



87

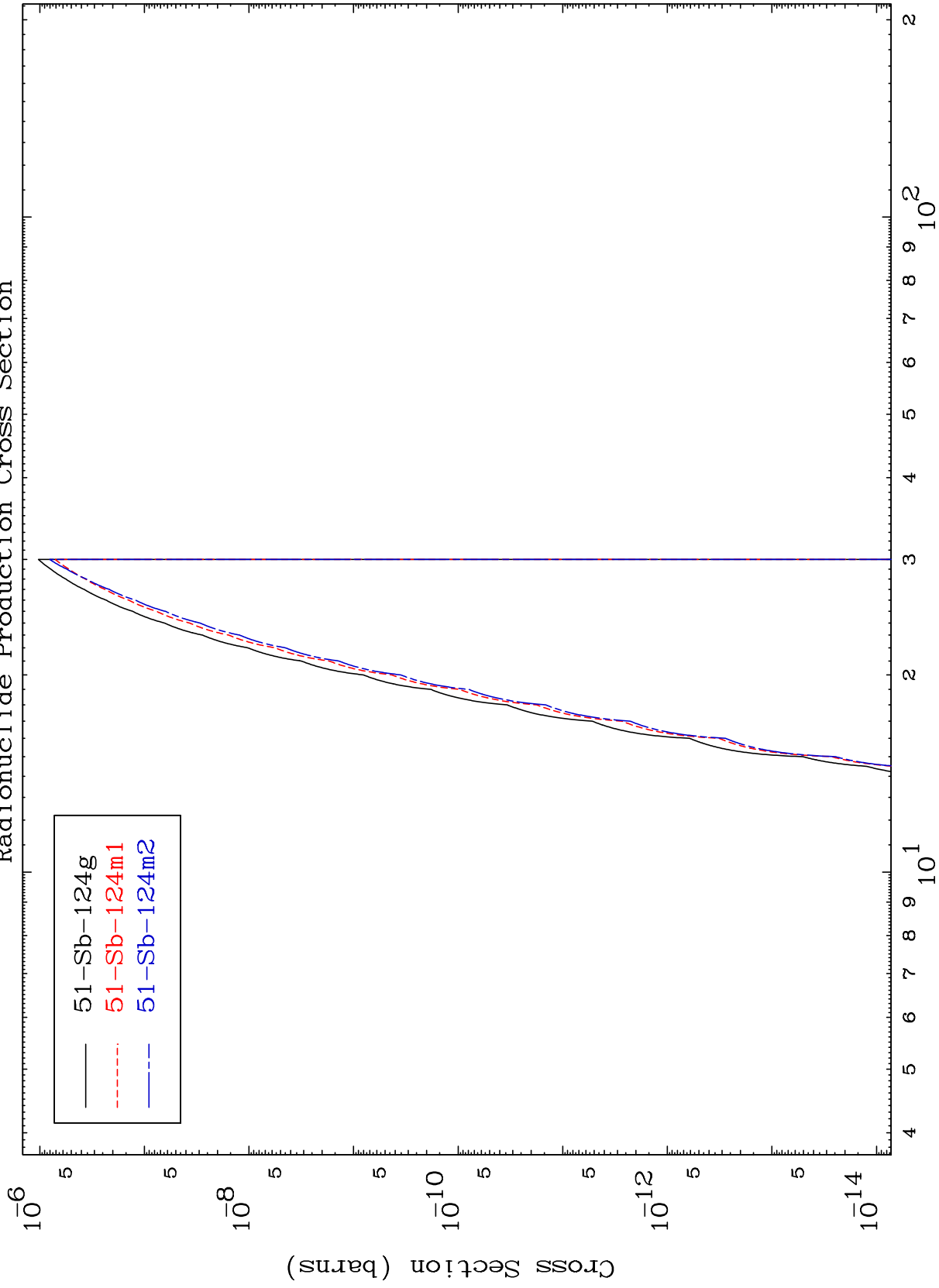
54-Xe-128

MAT 5437

(n,p) α

54-Xe-128

Radionuclide Production Cross Section



88

Incident Energy (MeV)

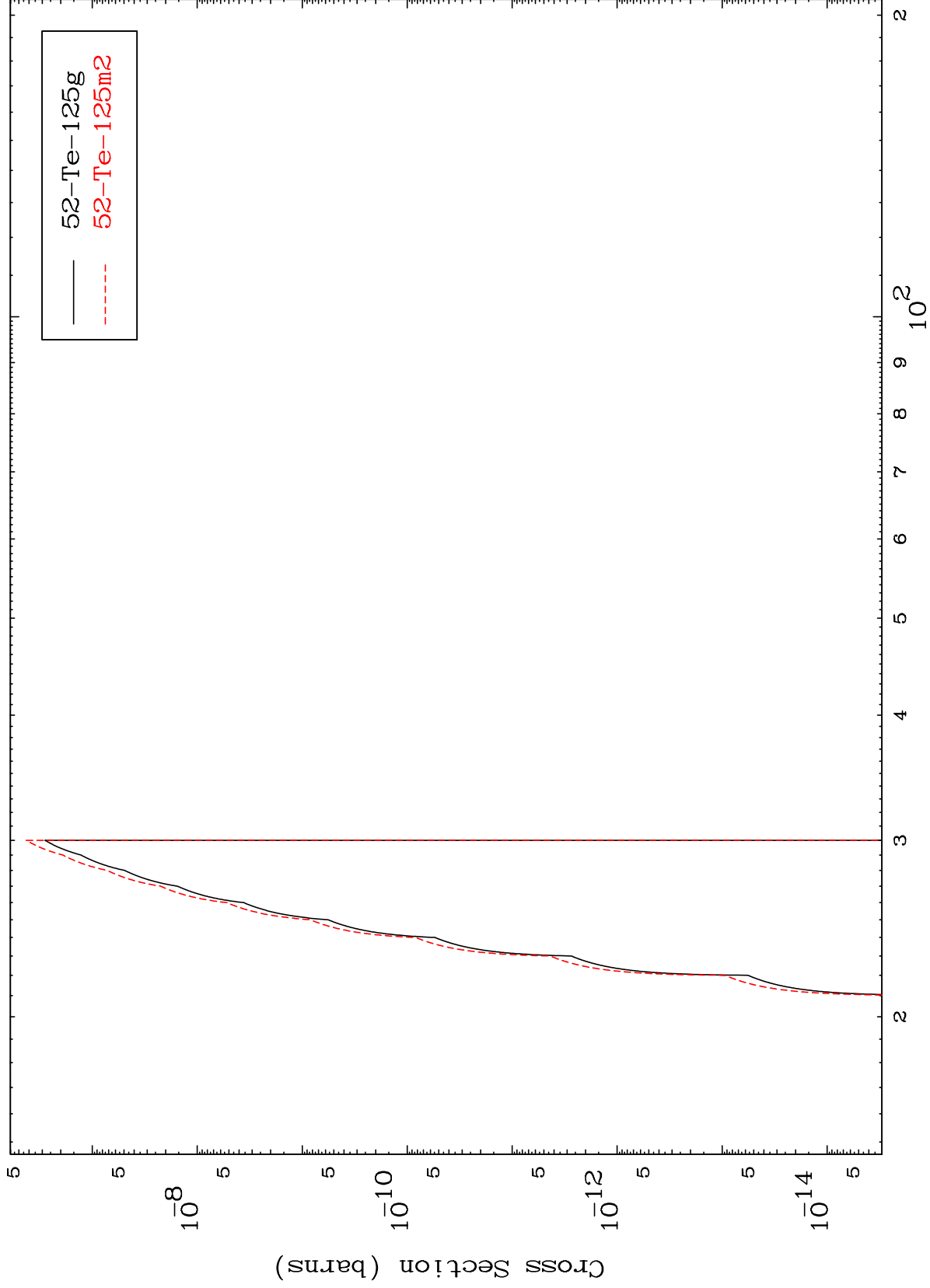
54-Xe-128

MAT 5437

(n,p) t

54-Xe-128

Radionuclide Production Cross Section



89

Incident Energy (MeV)

54-Xe-128