

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

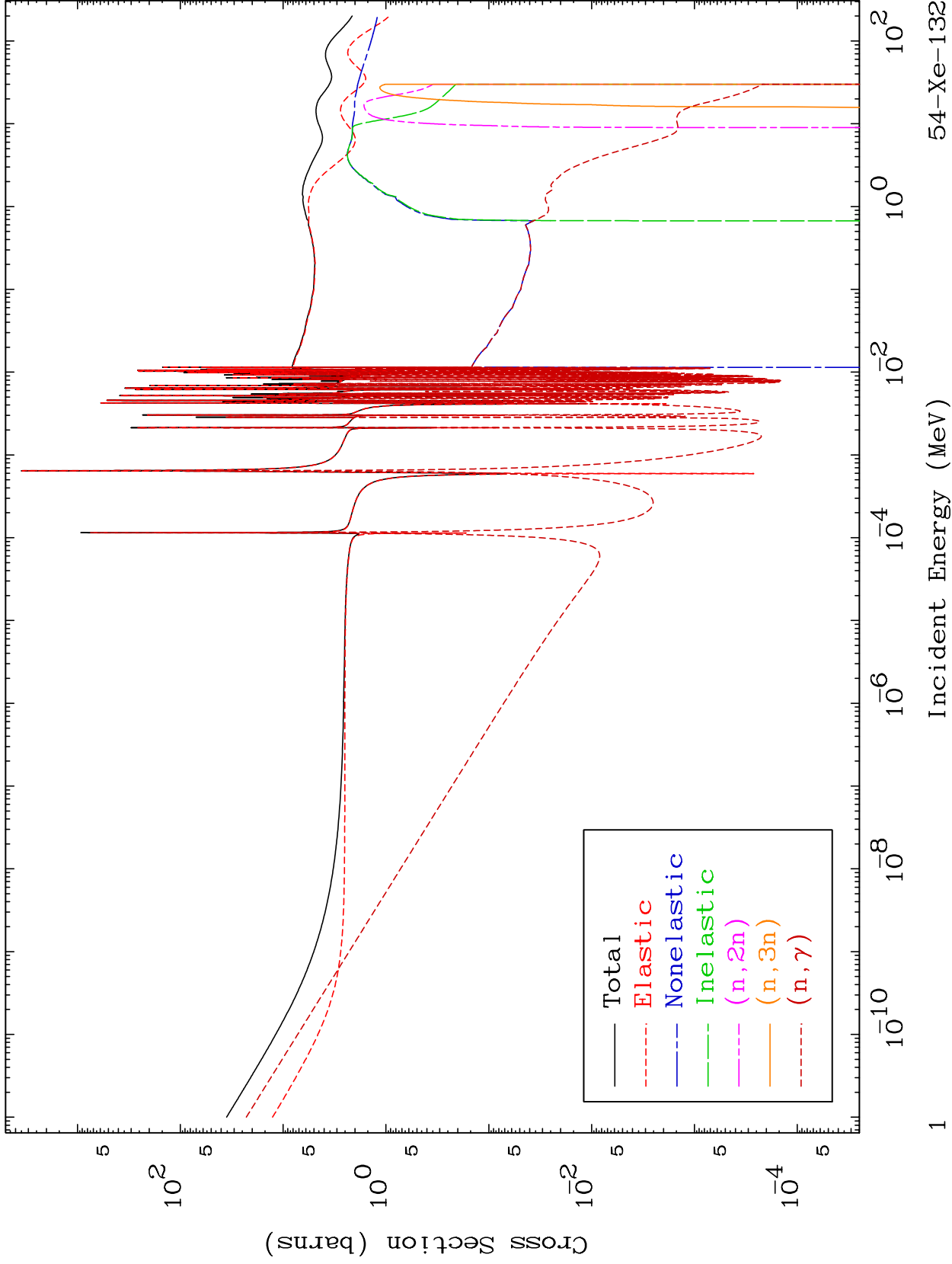
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5449

Neutron Major
293 Kelvin Cross Sections

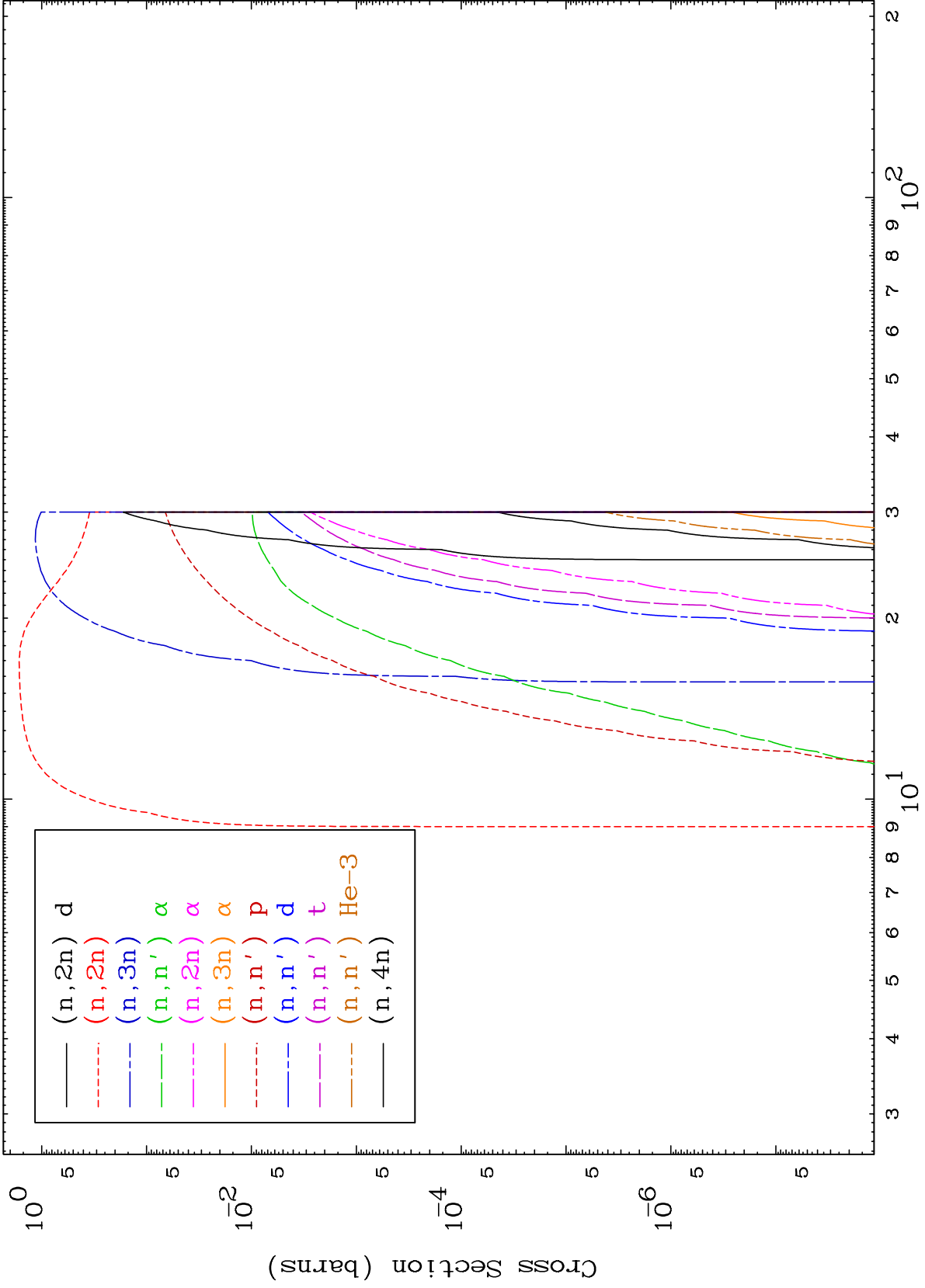
54-Xe-132



MAT 5449

Neutron Absorption
293 Kelvin Cross Sections

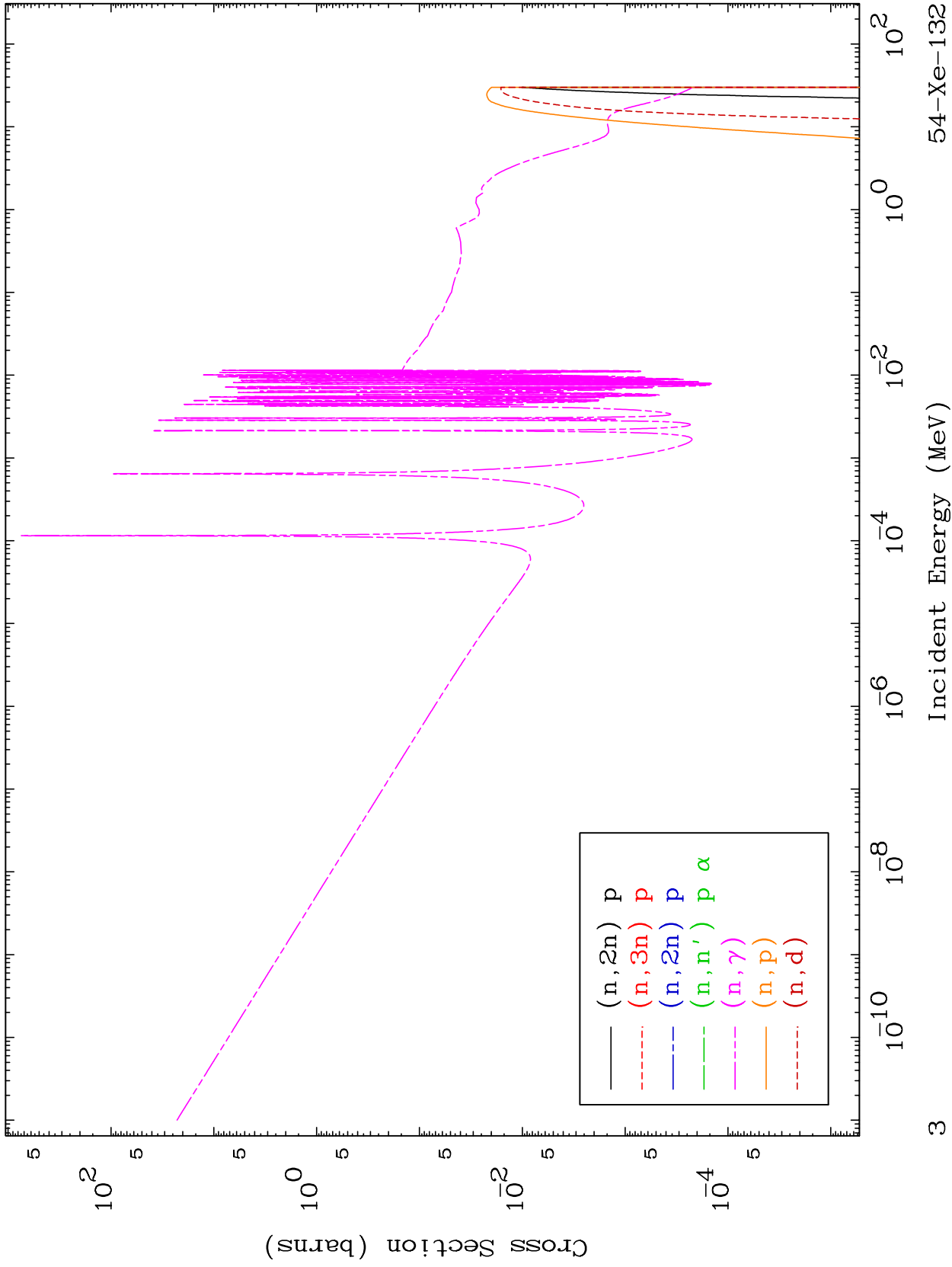
54-Xe-132

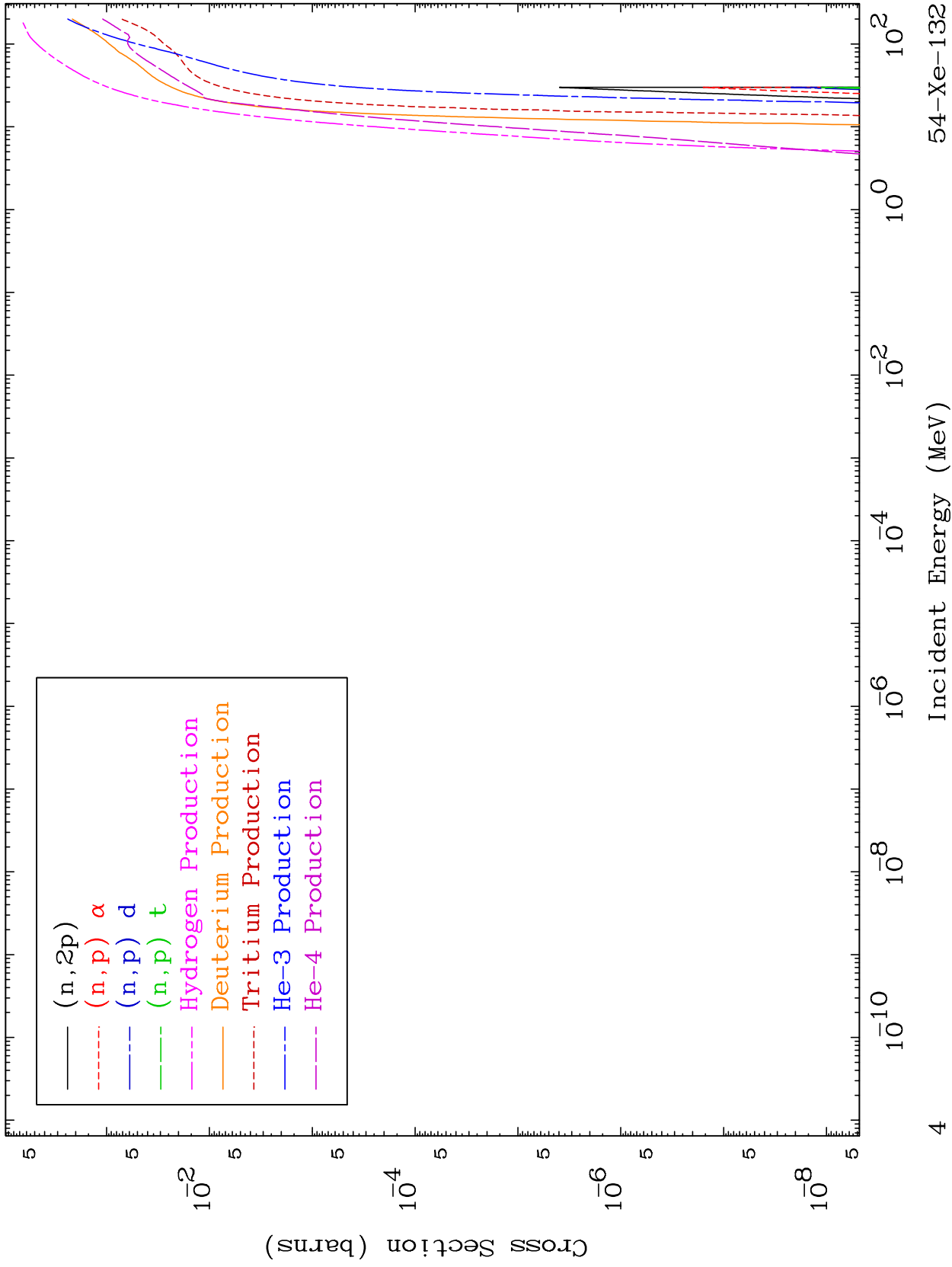


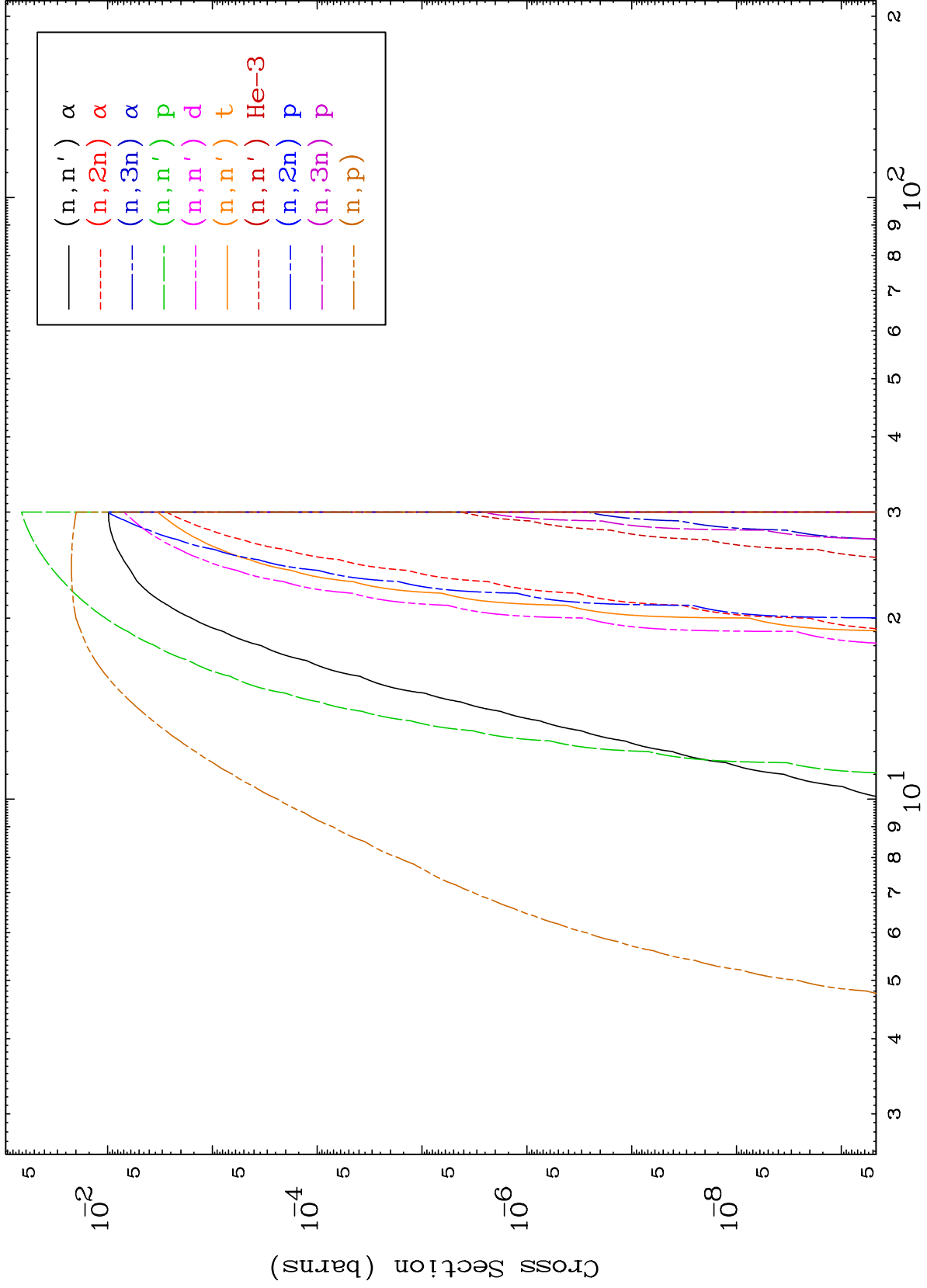
MAT 5449

Neutron Absorption
293 Kelvin Cross Sections

54-Xe-132



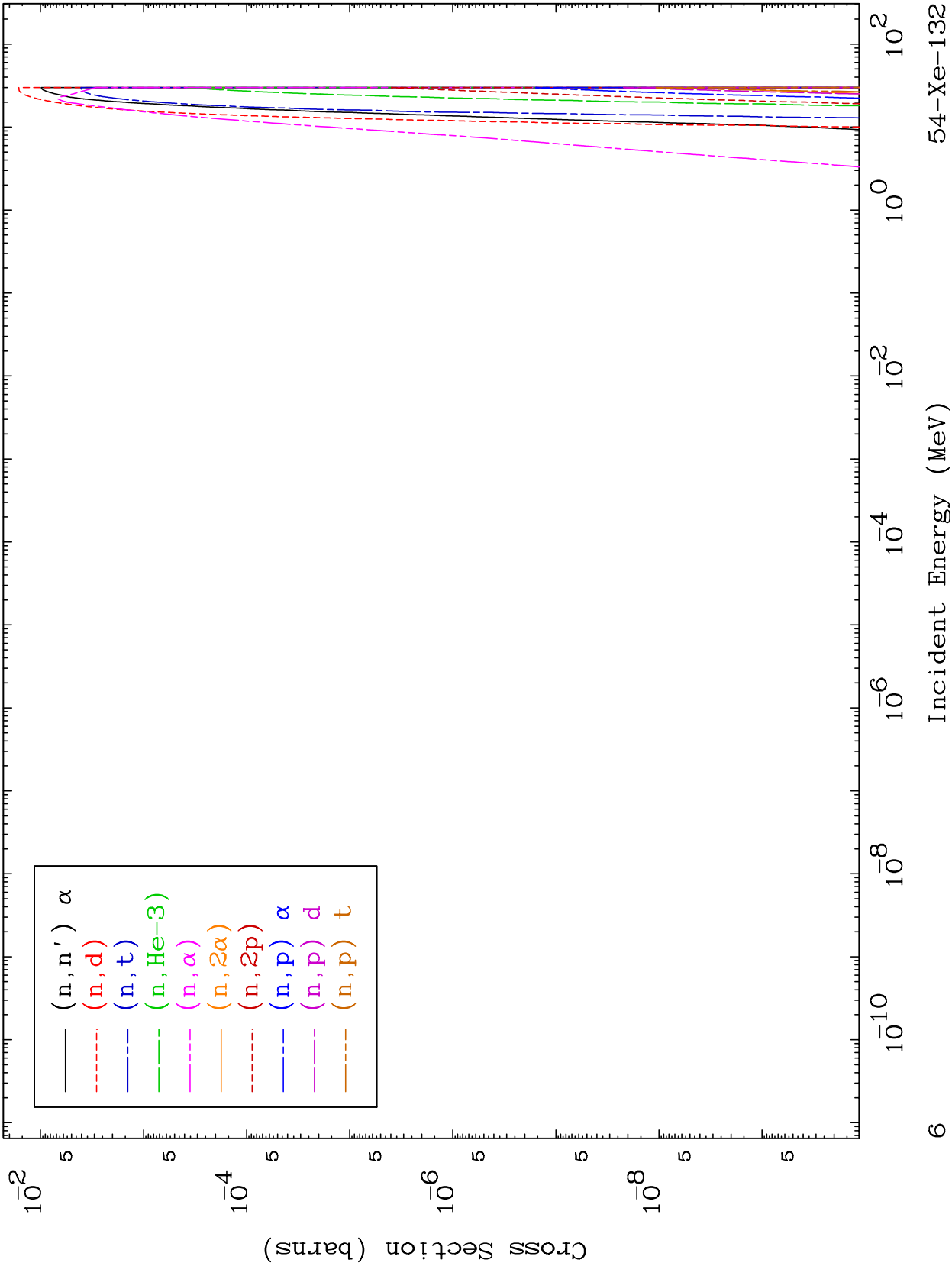


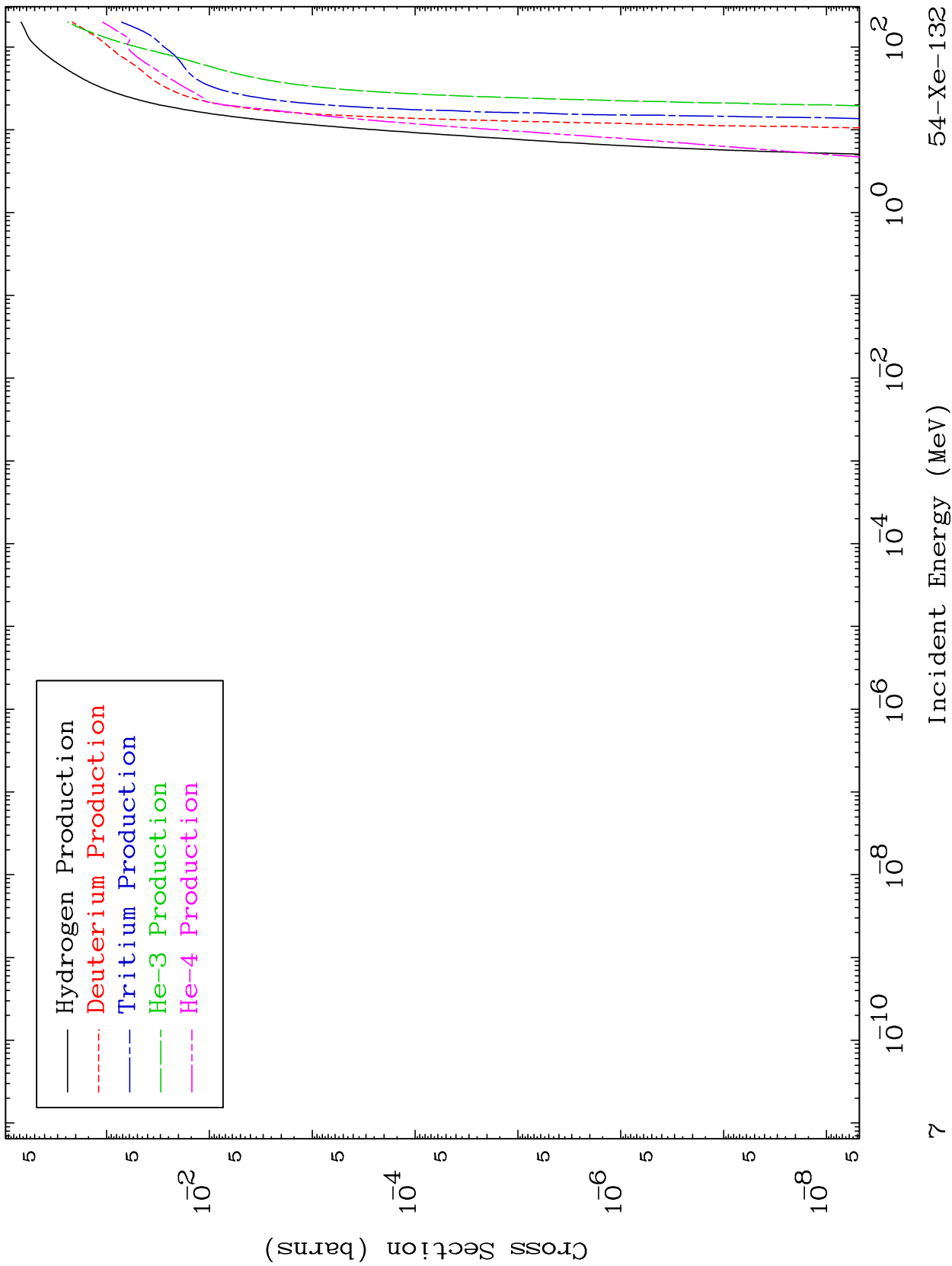


MAT 5449

Charged Particle
293 Kelvin Cross Sections

54-Xe-132

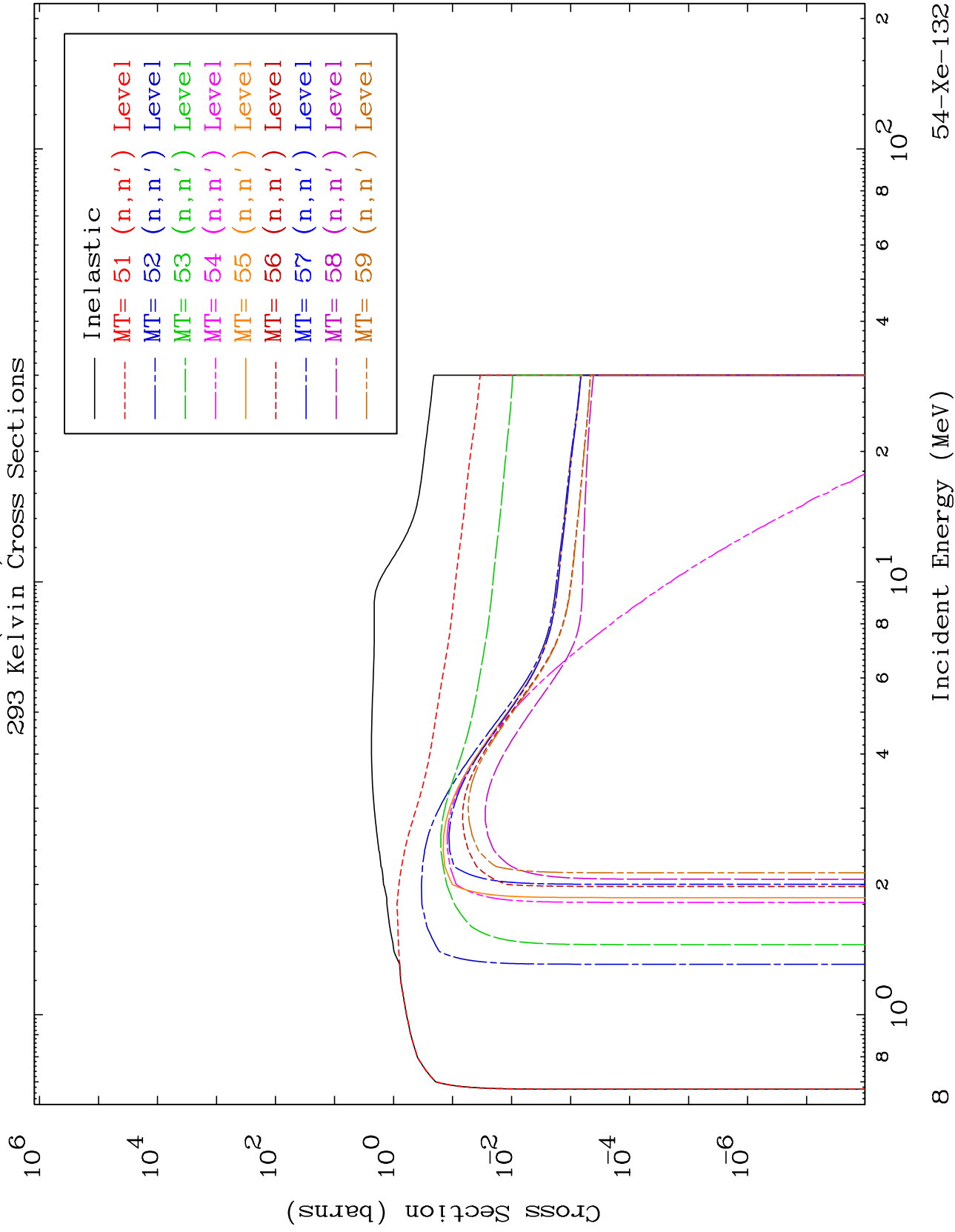


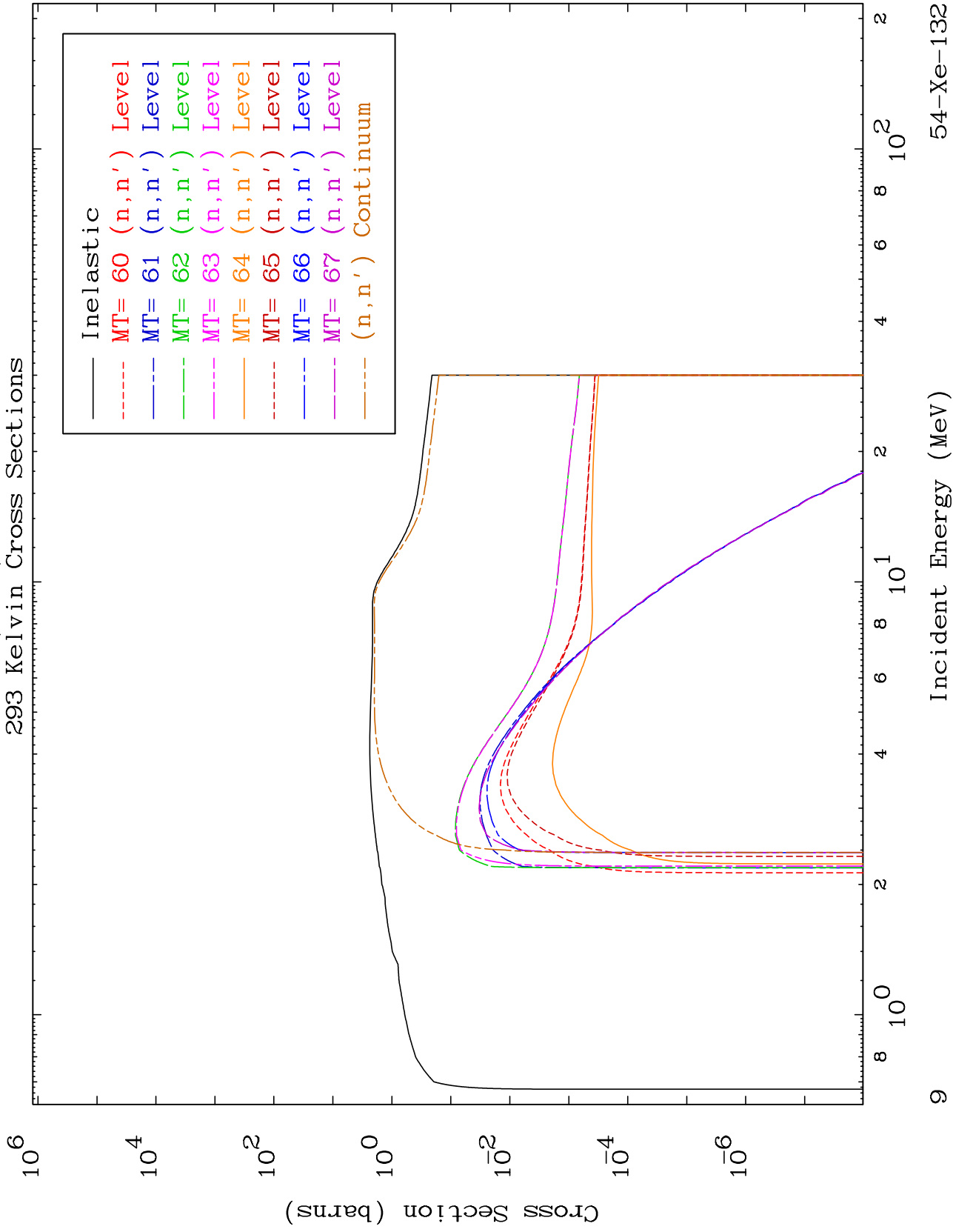


MAT 5449

(n,n') Levels

54-Xe-132

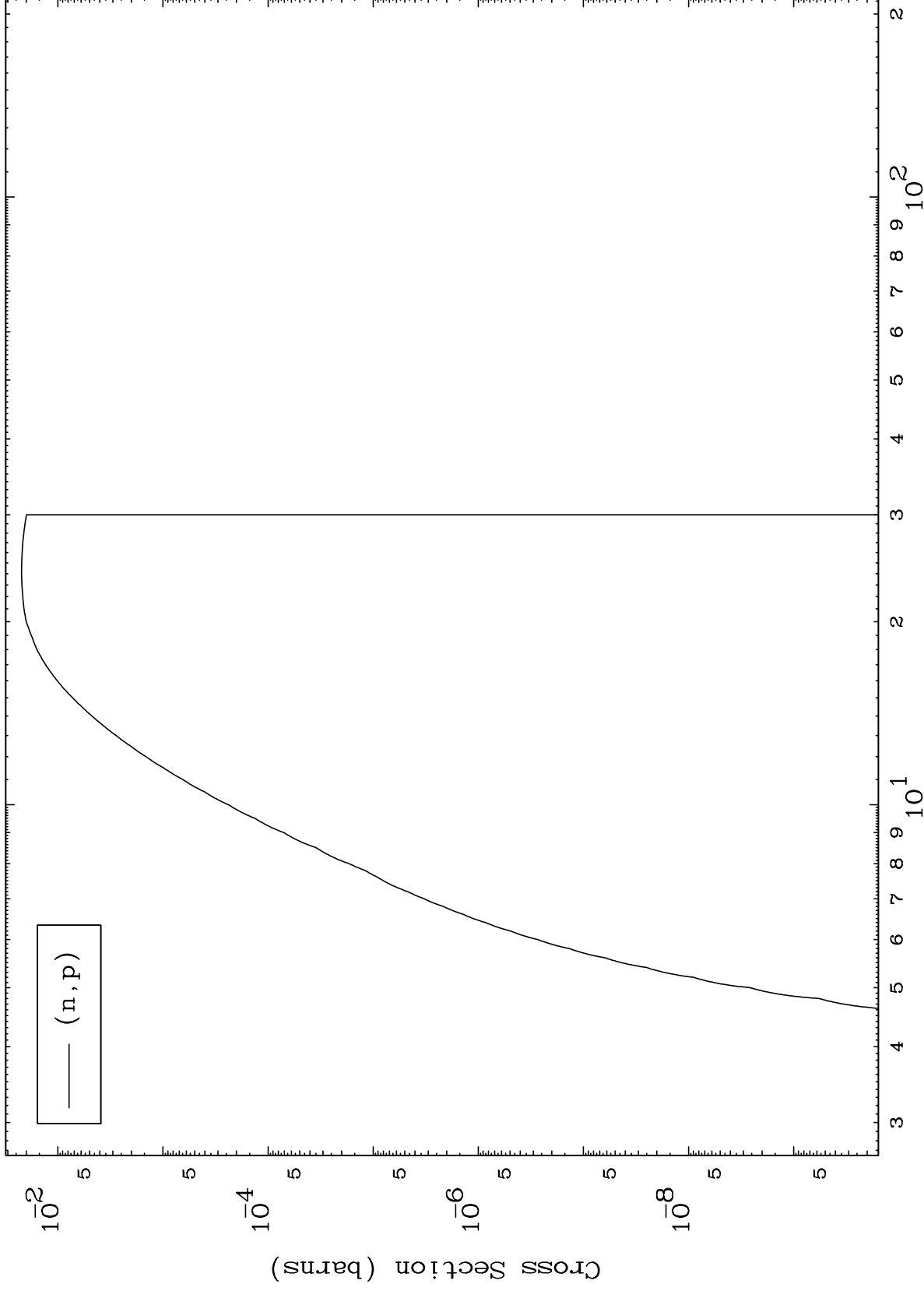




MAT 5449

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-132



— (n,p)

10

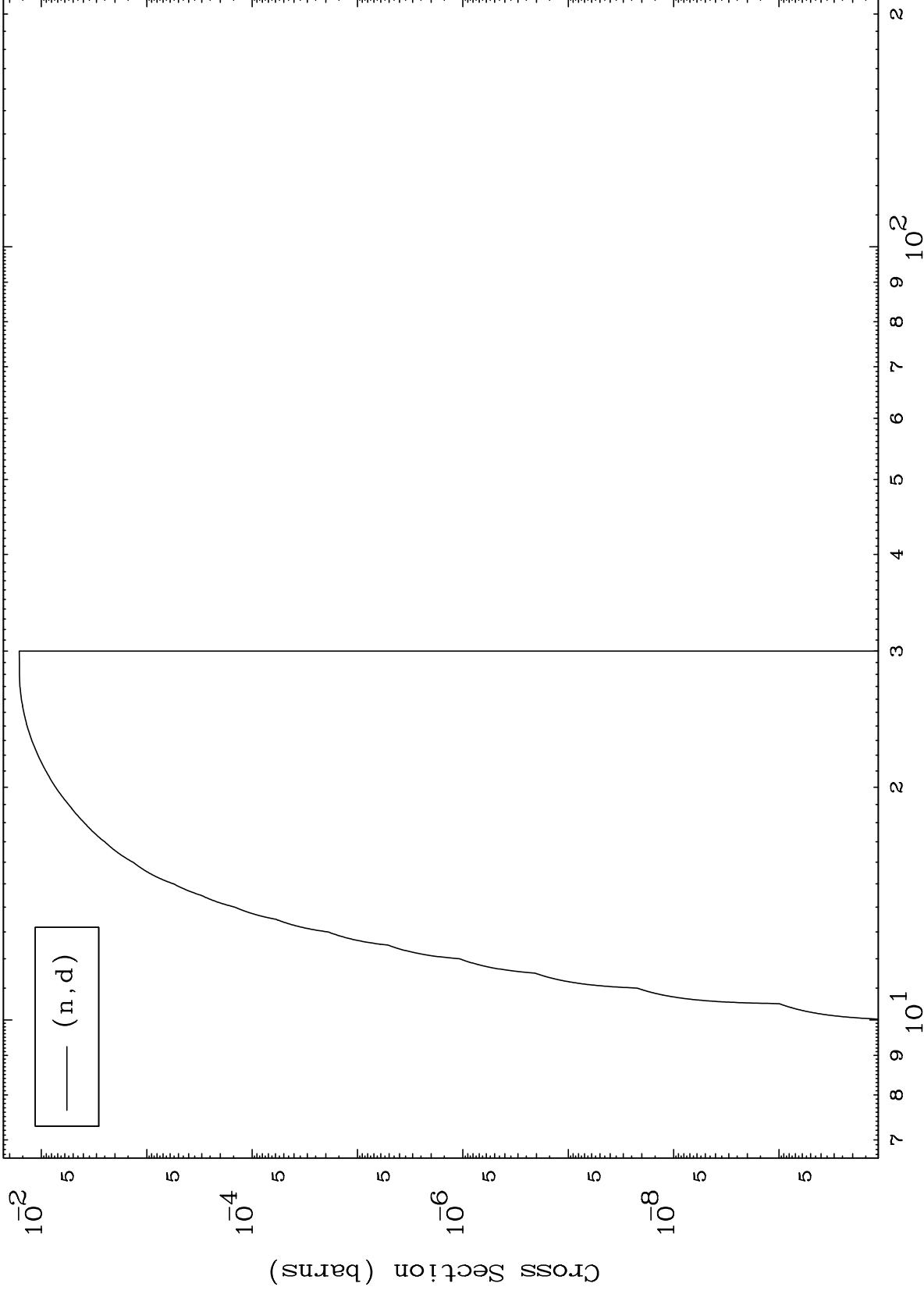
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-132



11

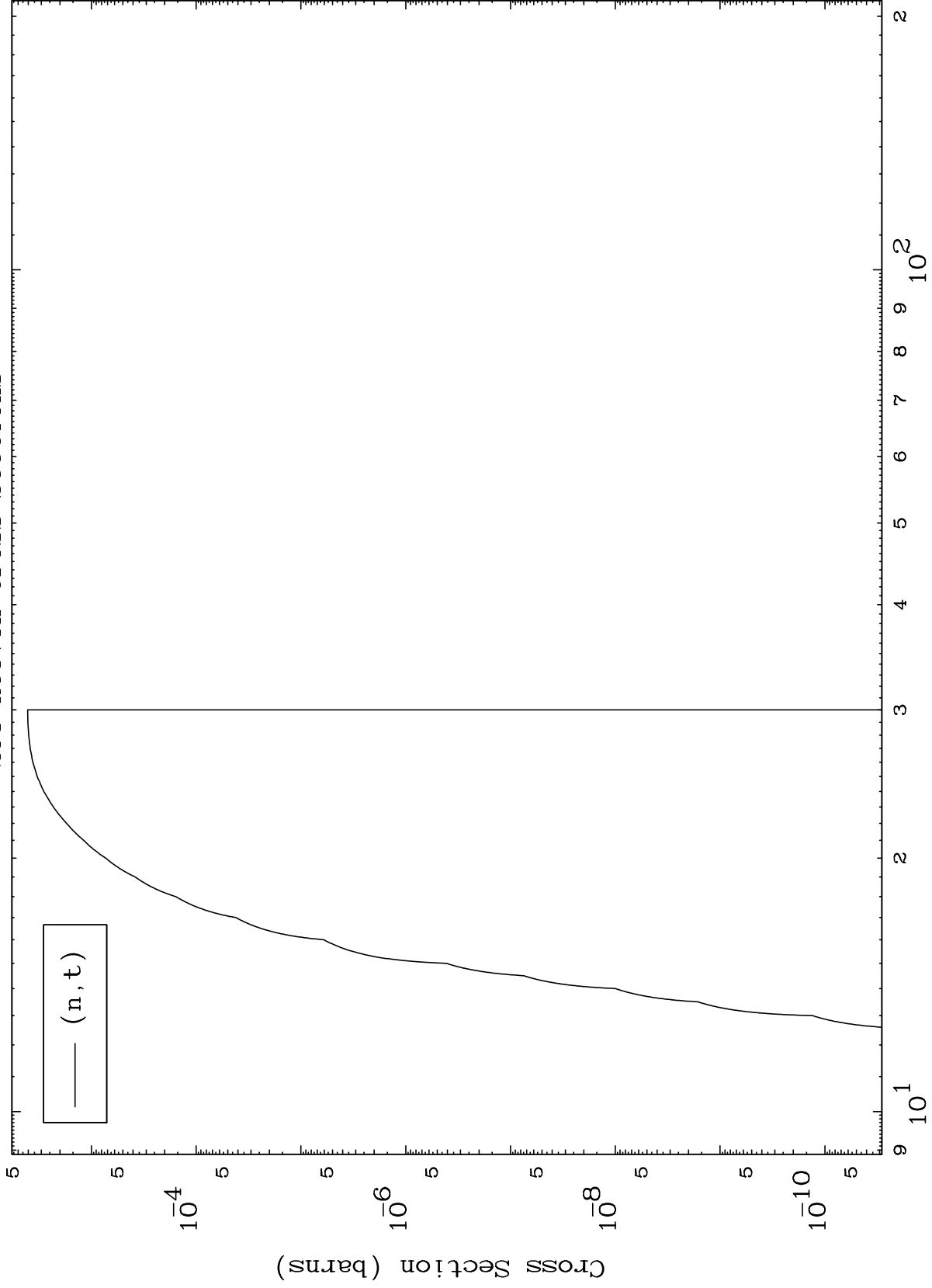
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-132



12

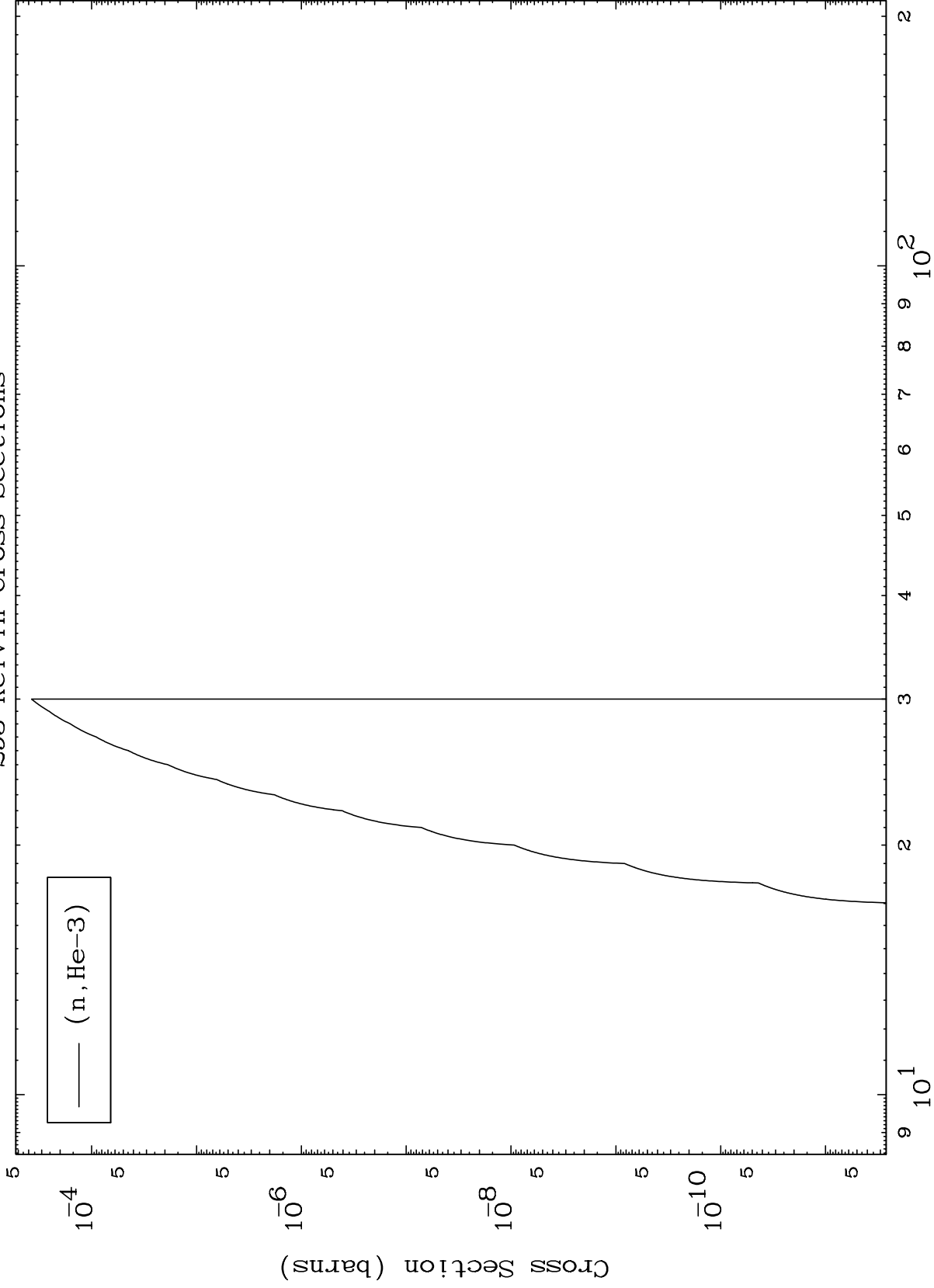
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-132



13

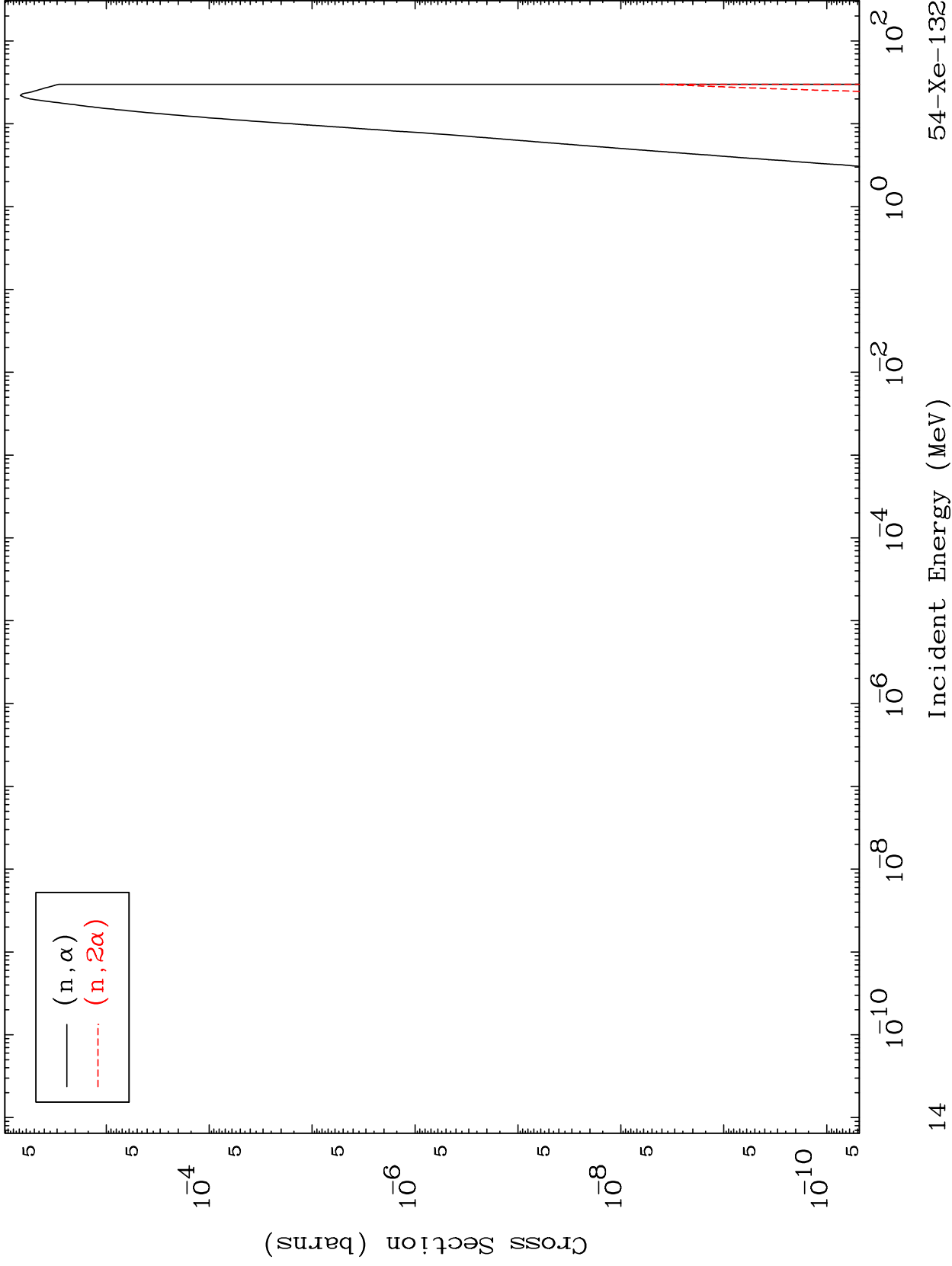
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n, α) Levels
293 Kelvin Cross Sections

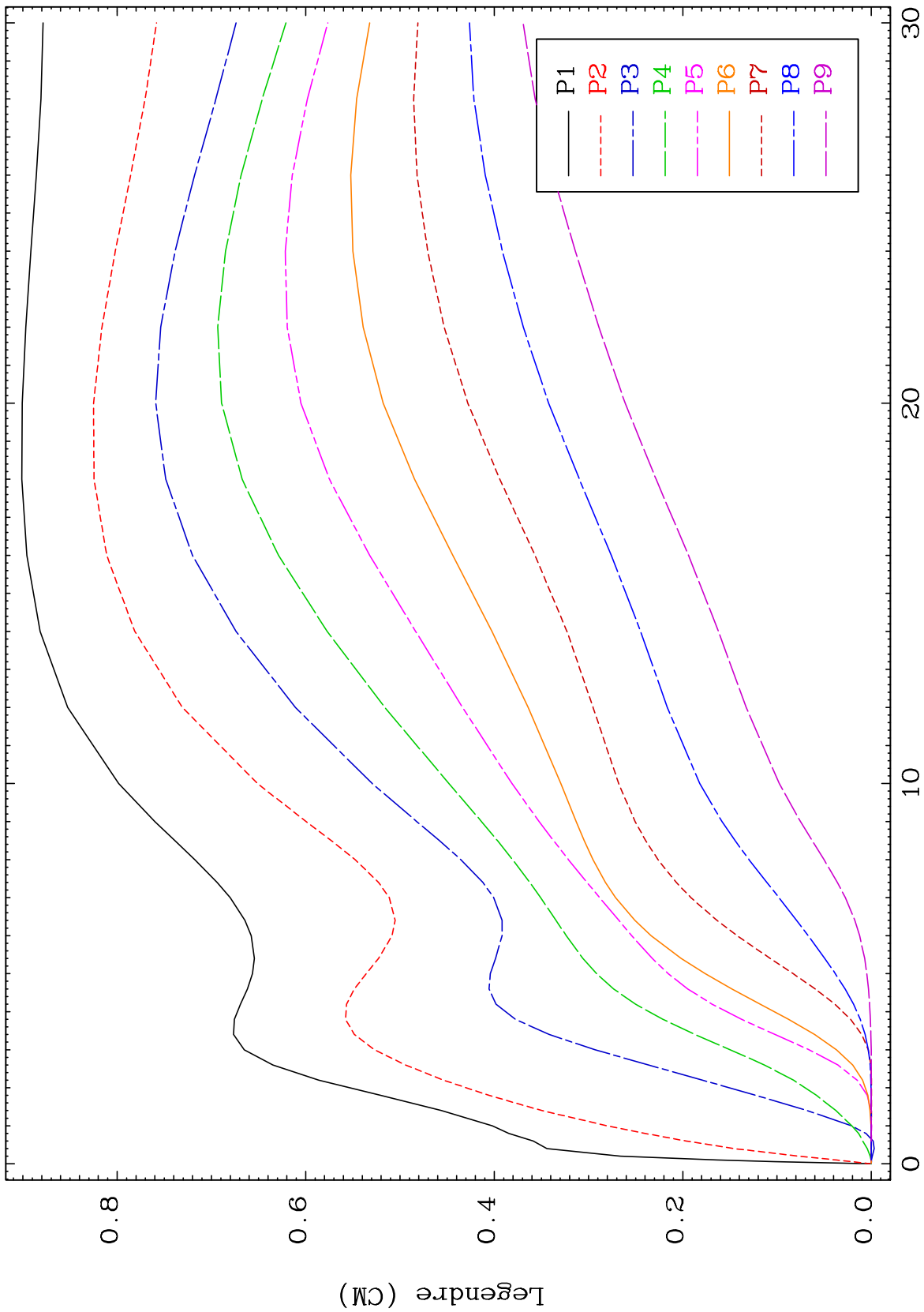
54-Xe-132



MAT 5449

54-Xe-132

Elastic Legendre Coefficients



15

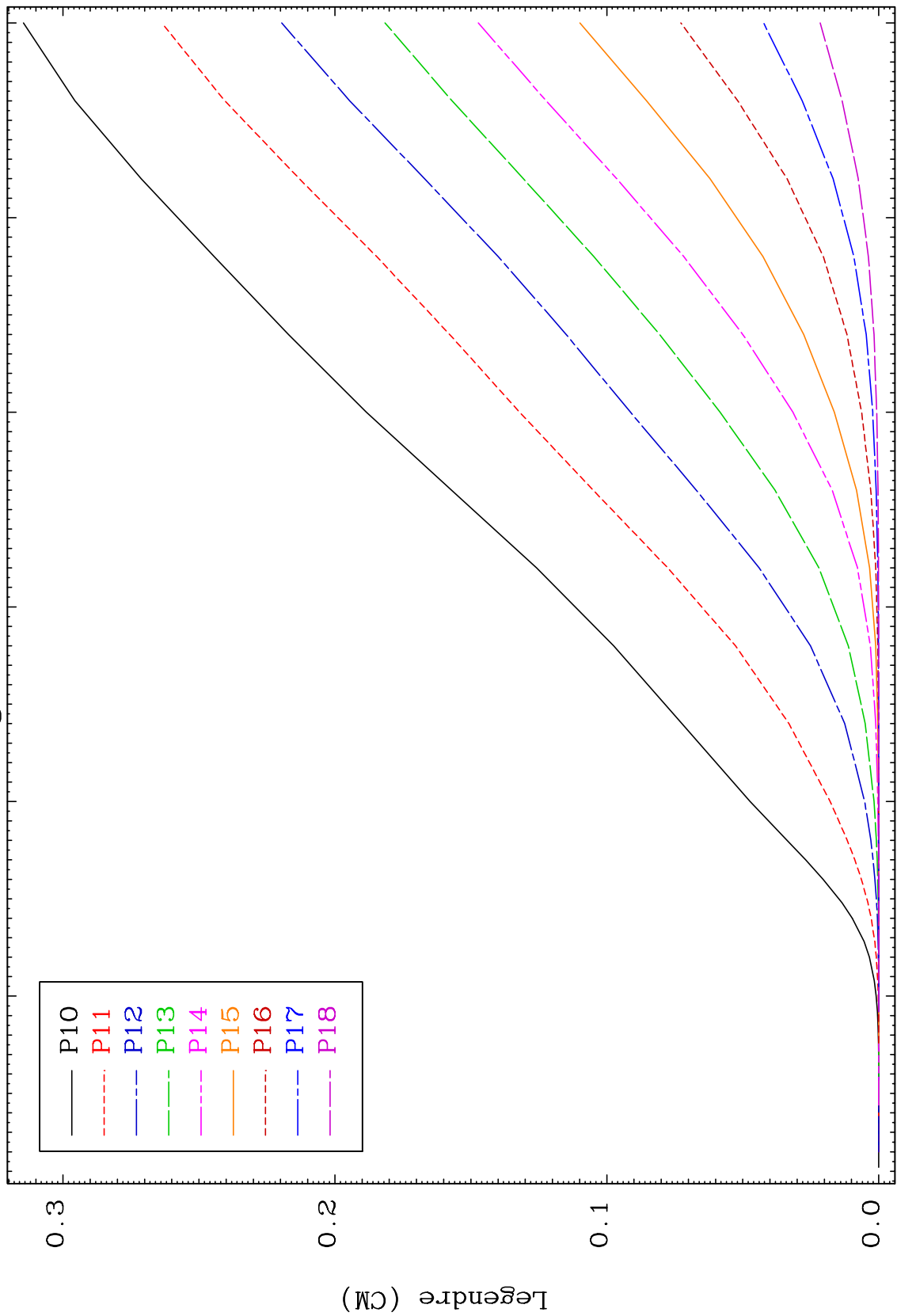
Incident Energy (MeV)

54-Xe-132

MAT 5449

Elastic Legendre Coefficients

54-Xe-132



16

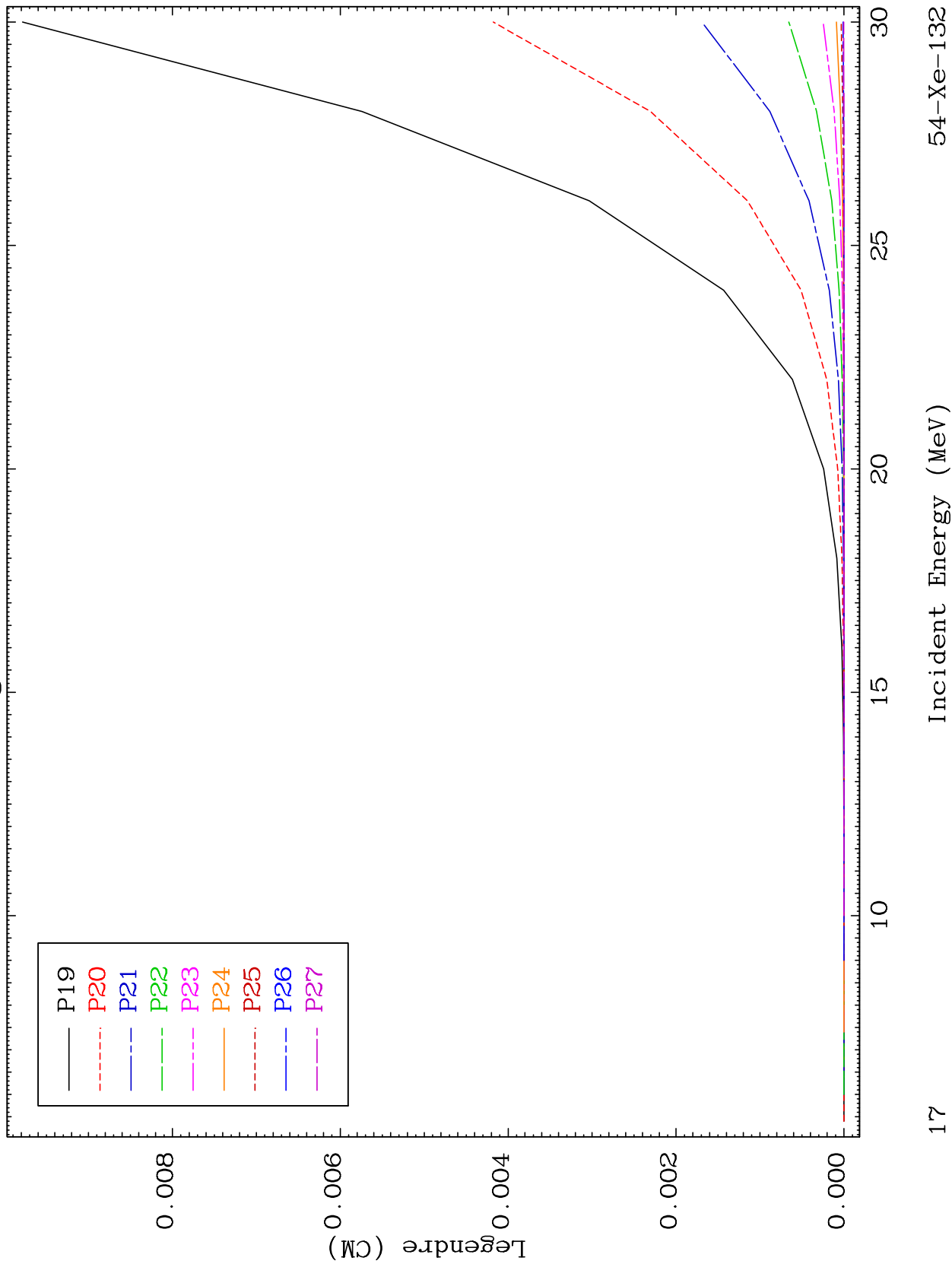
Incident Energy (MeV)

54-Xe-132

MAT 5449

Elastic Legendre Coefficients

54-Xe-132



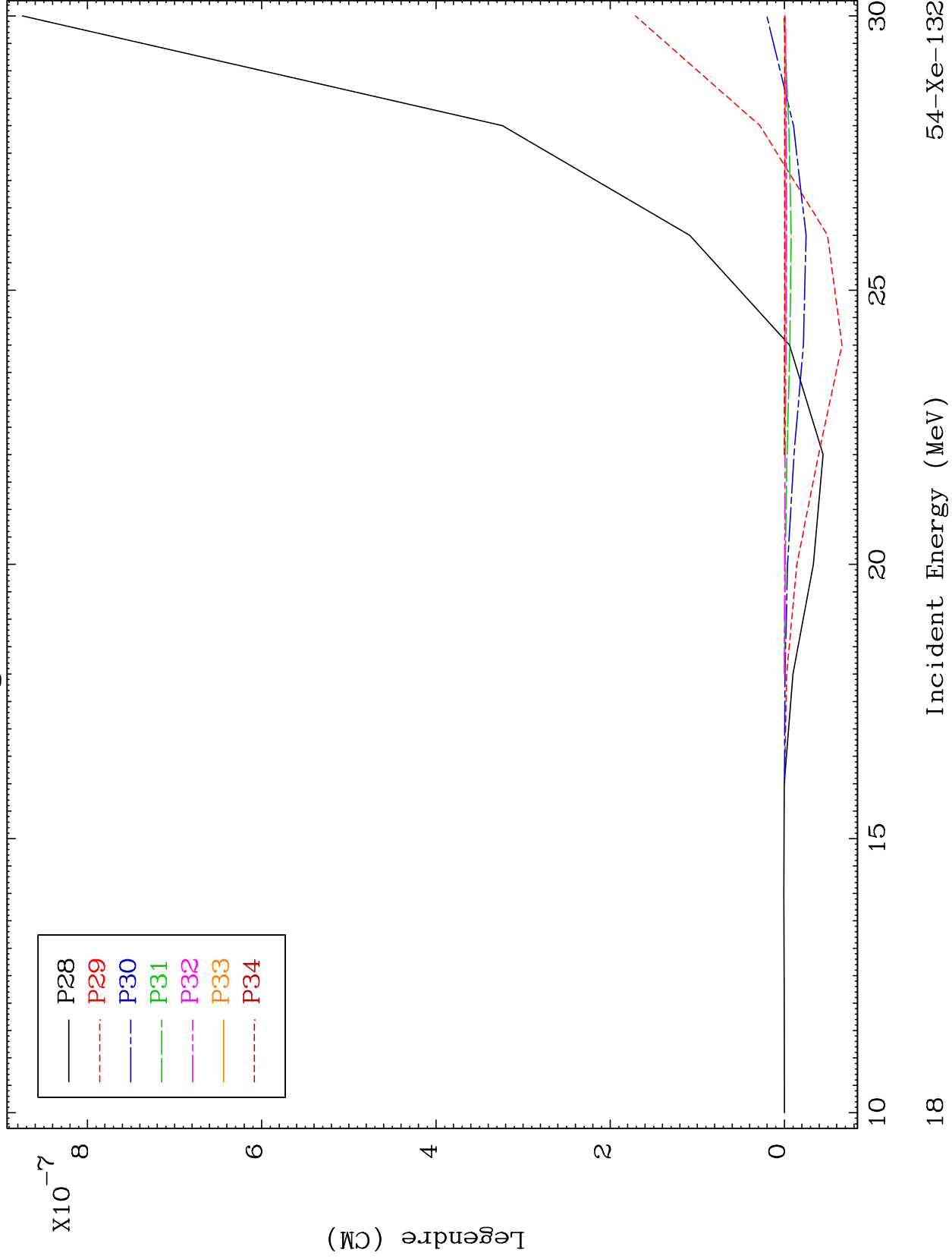
17

54-Xe-132

MAT 5449

Elastic Legendre Coefficients

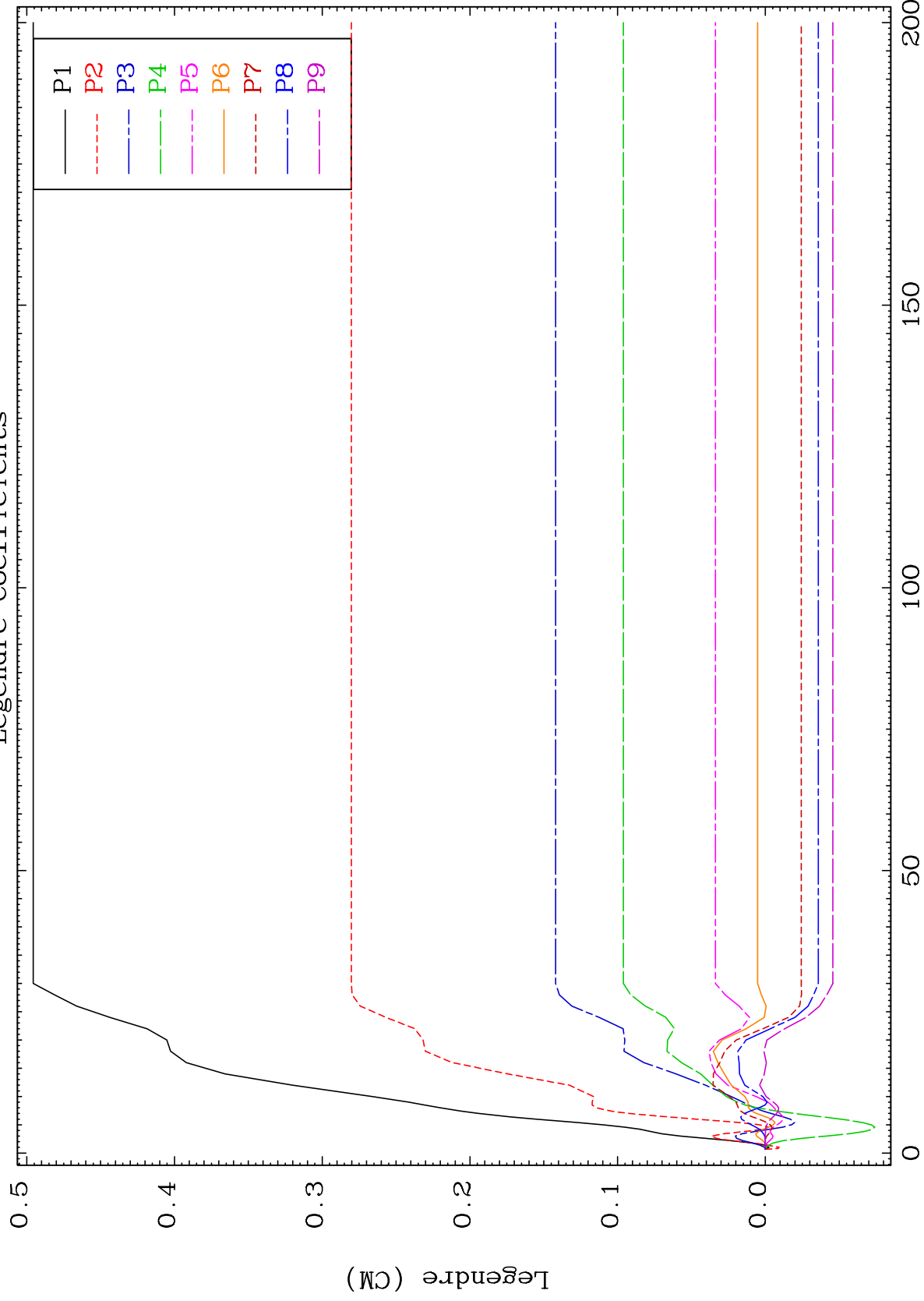
54-Xe-132



MAT 5449

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

54-Xe-132



19

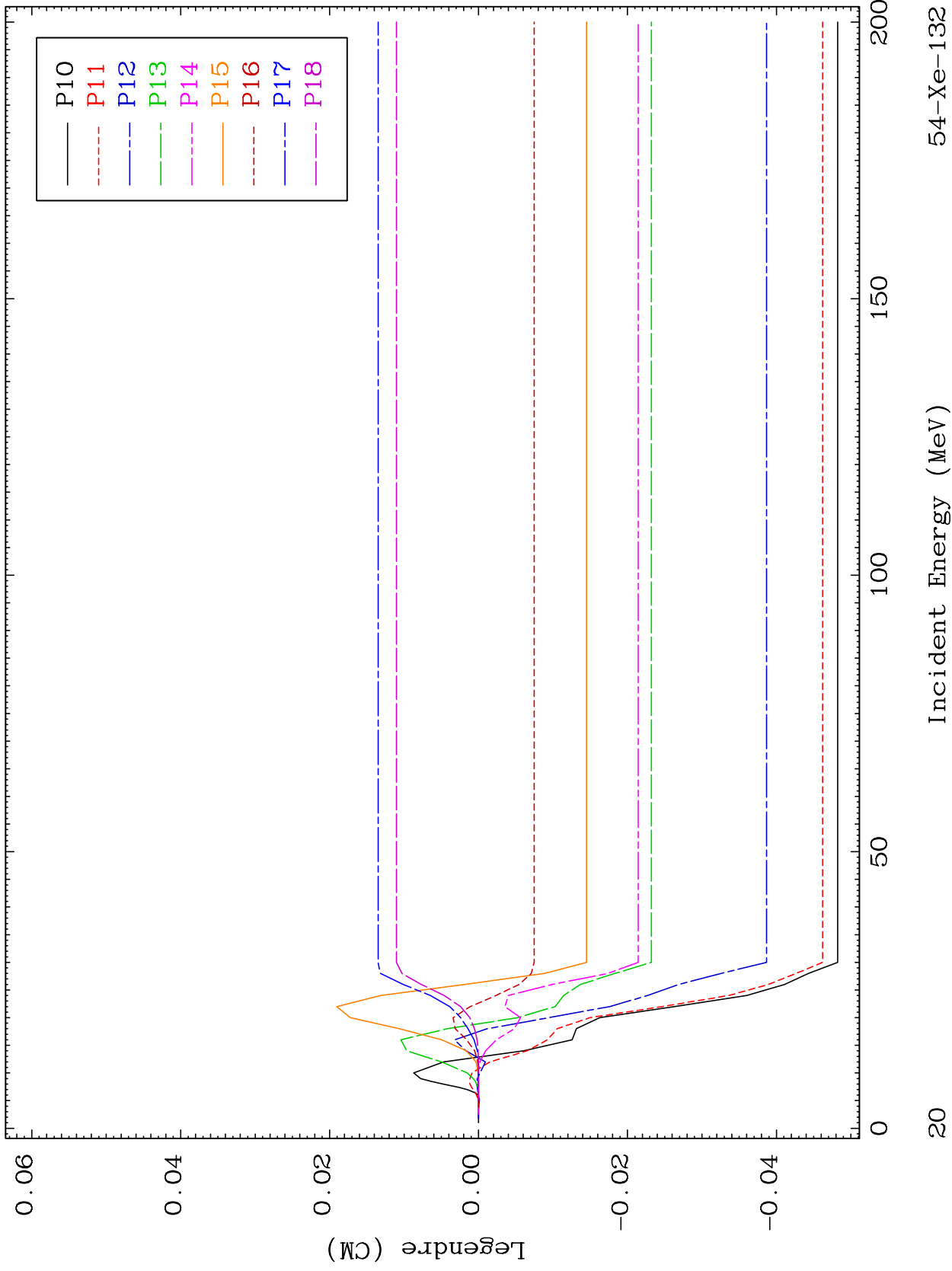
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

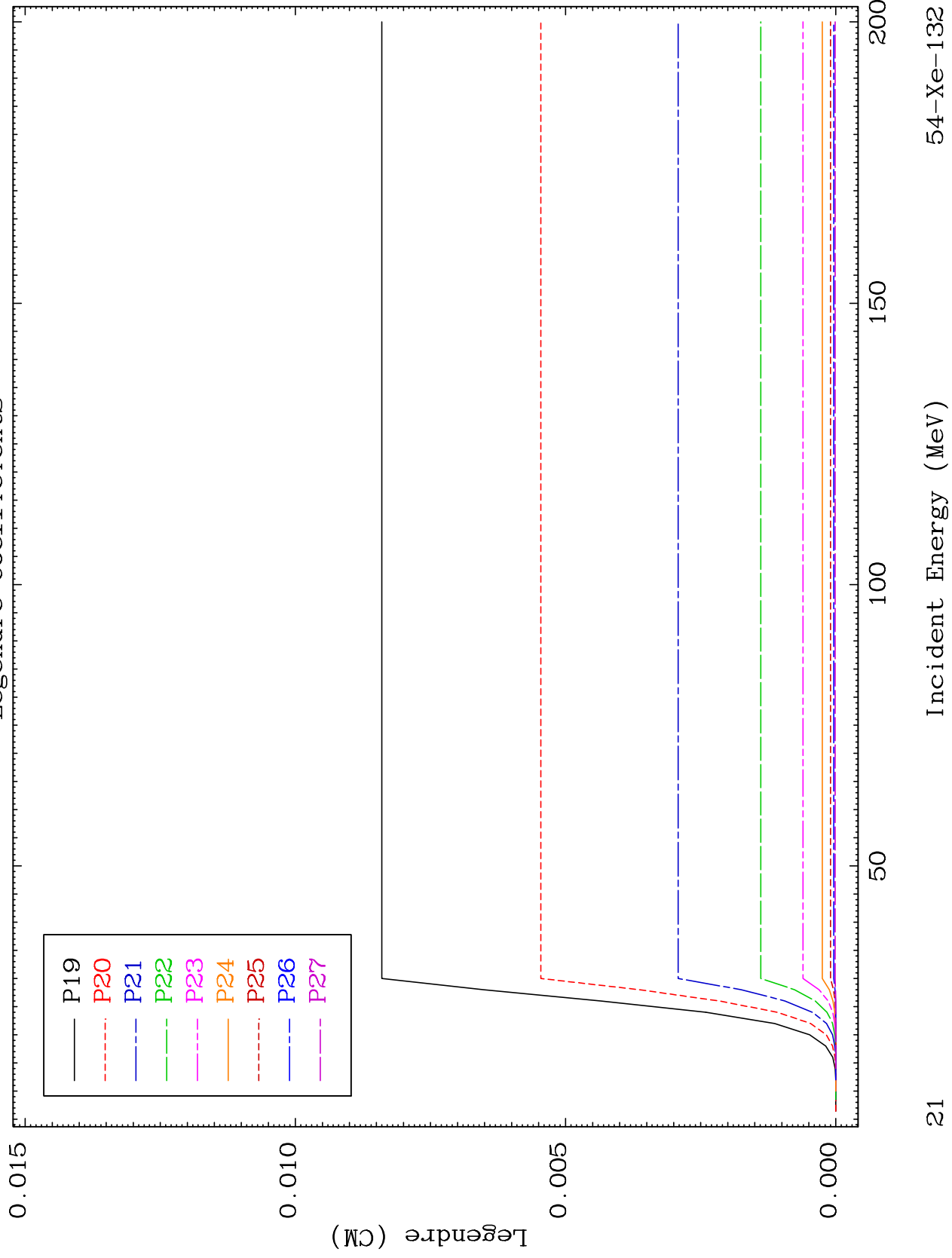
Incident Energy (MeV)

20

MAT 5449

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

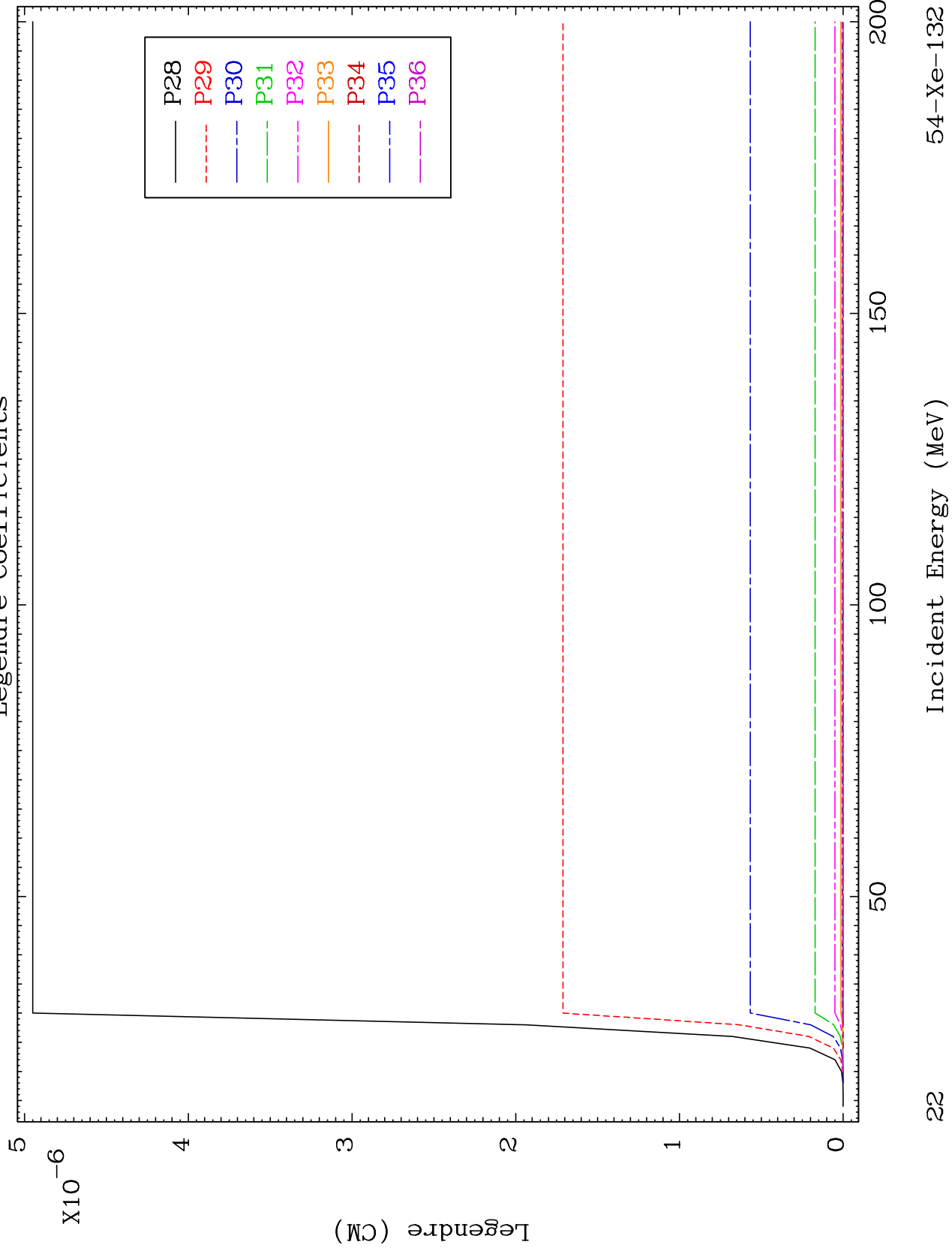
54-Xe-132



MAT 5449

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

54-Xe-132



22

Incident Energy (MeV)

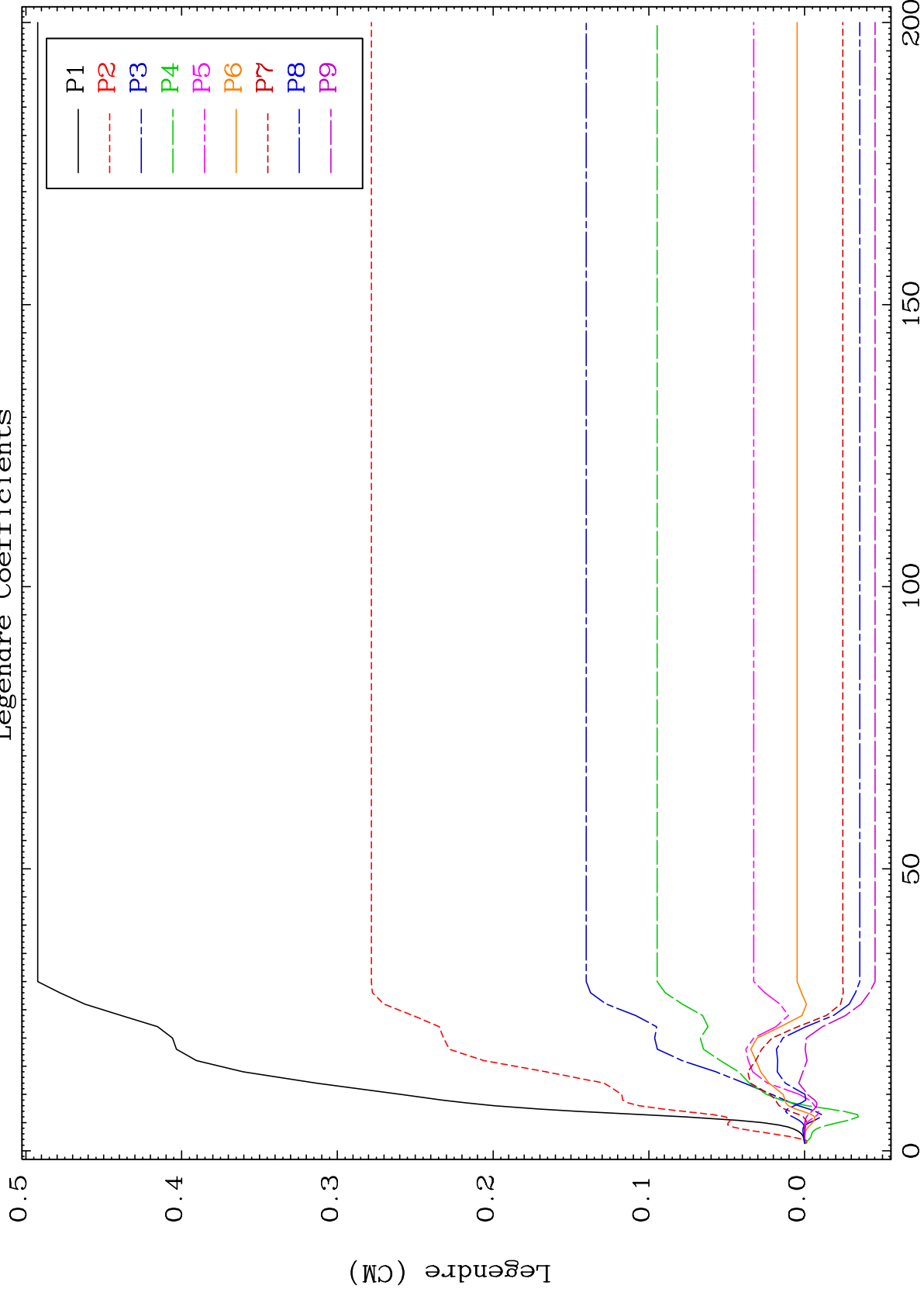
54-Xe-132

MAT 5449

MT= 52 (n,n') Level

54-Xe-132

Legendre Coefficients



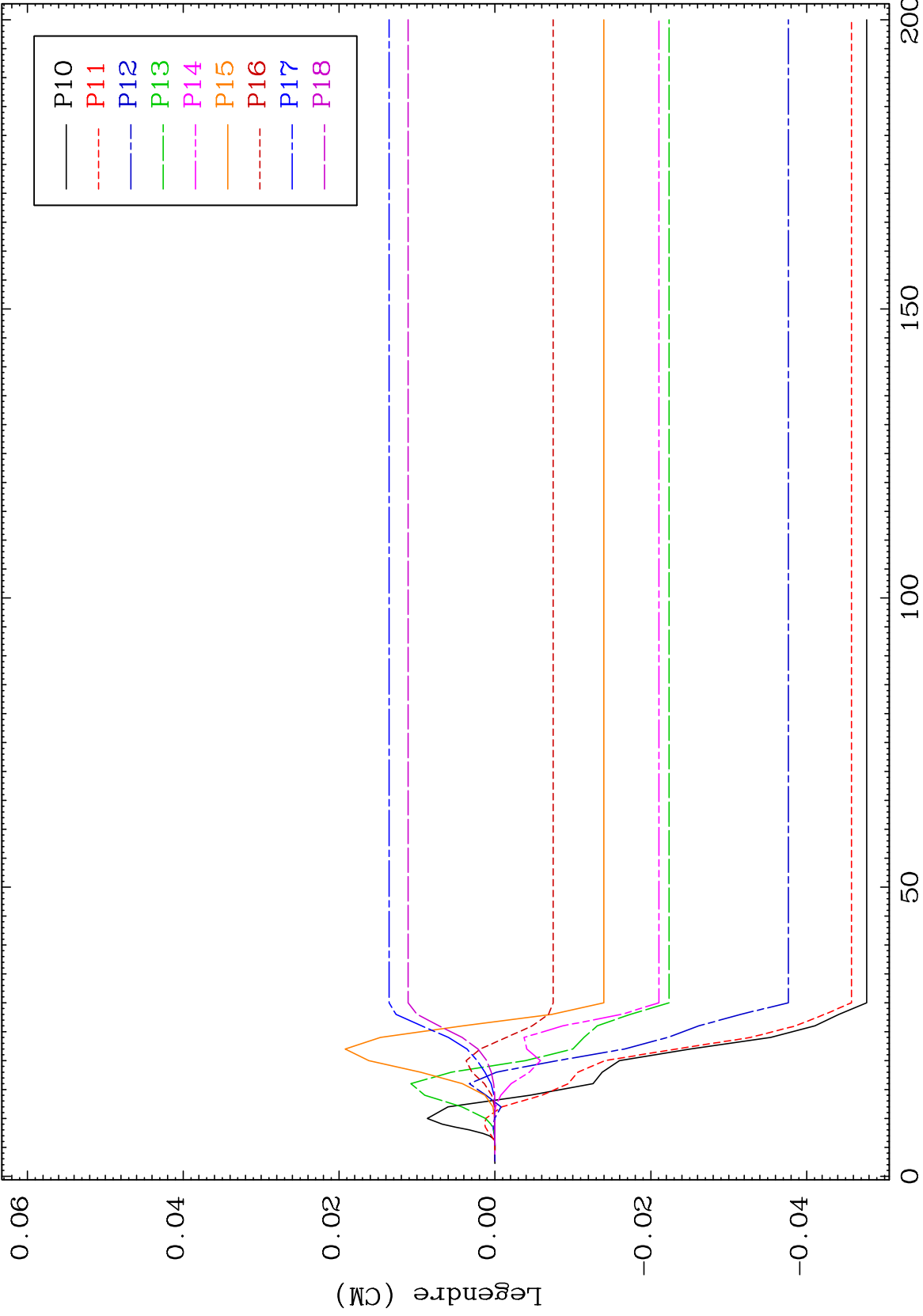
23

54-Xe-132

MAT 5449

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

54-Xe-132



24

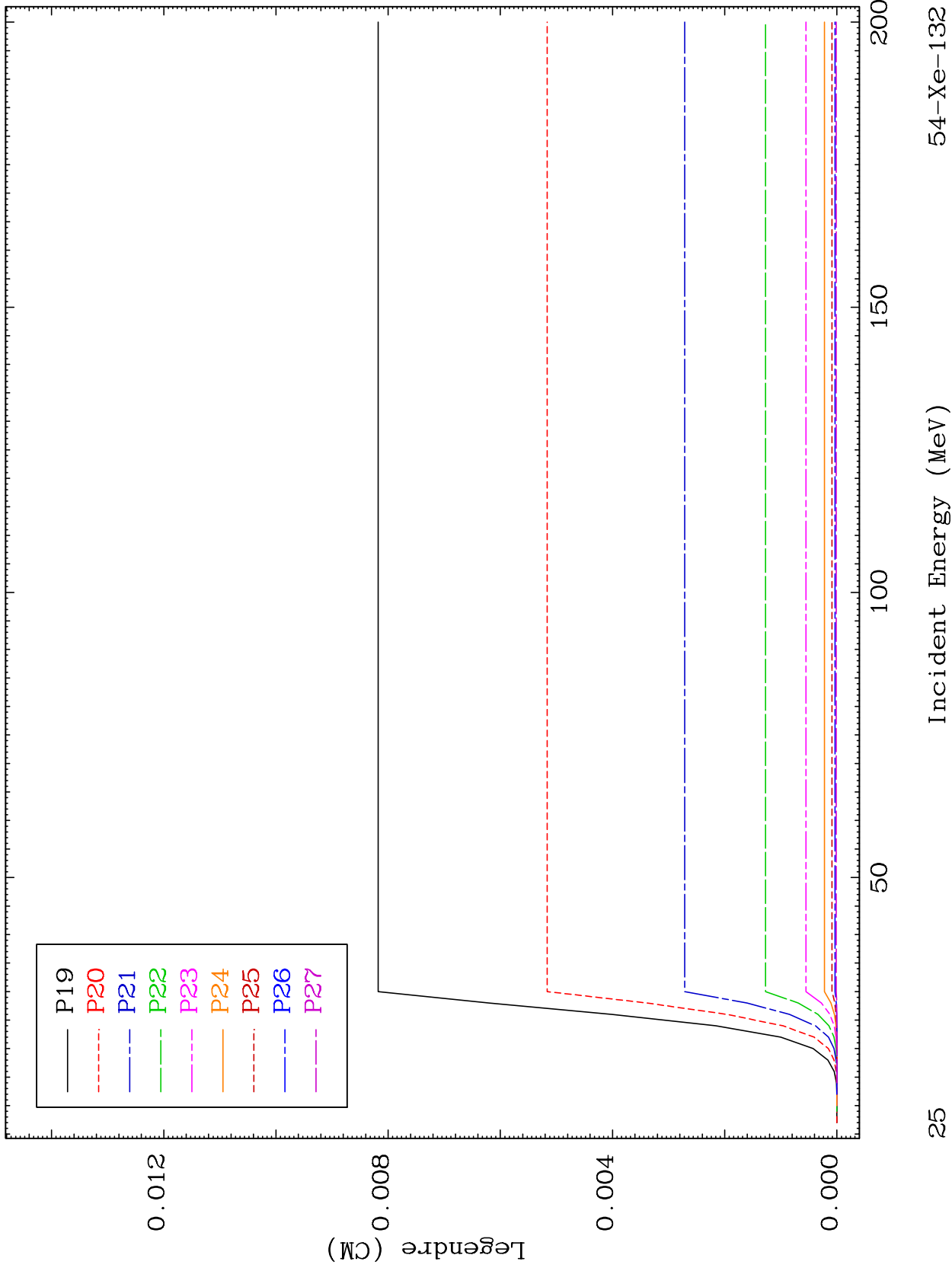
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

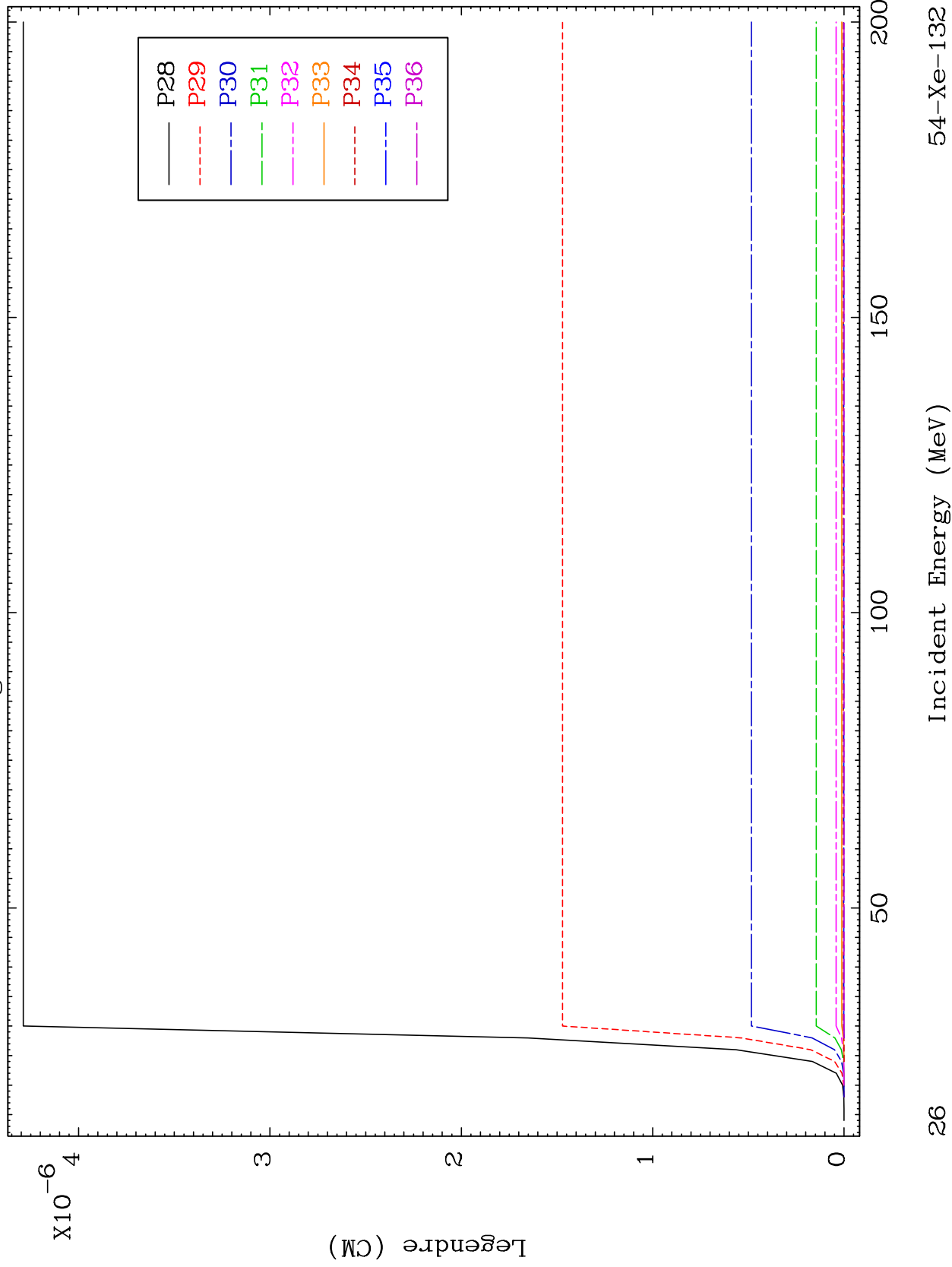
Incident Energy (MeV)

25

MAT 5449

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

54-Xe-132



26

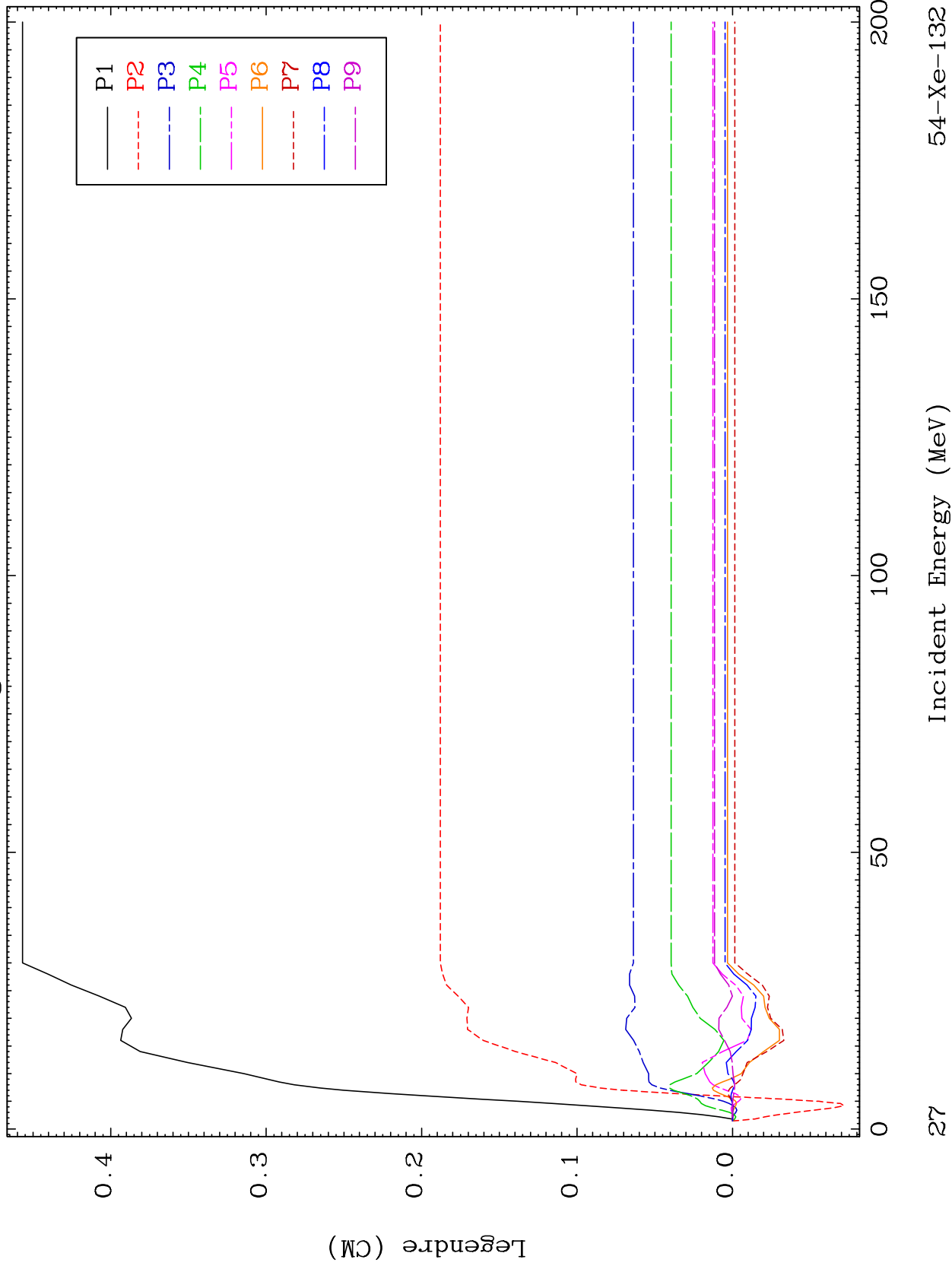
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

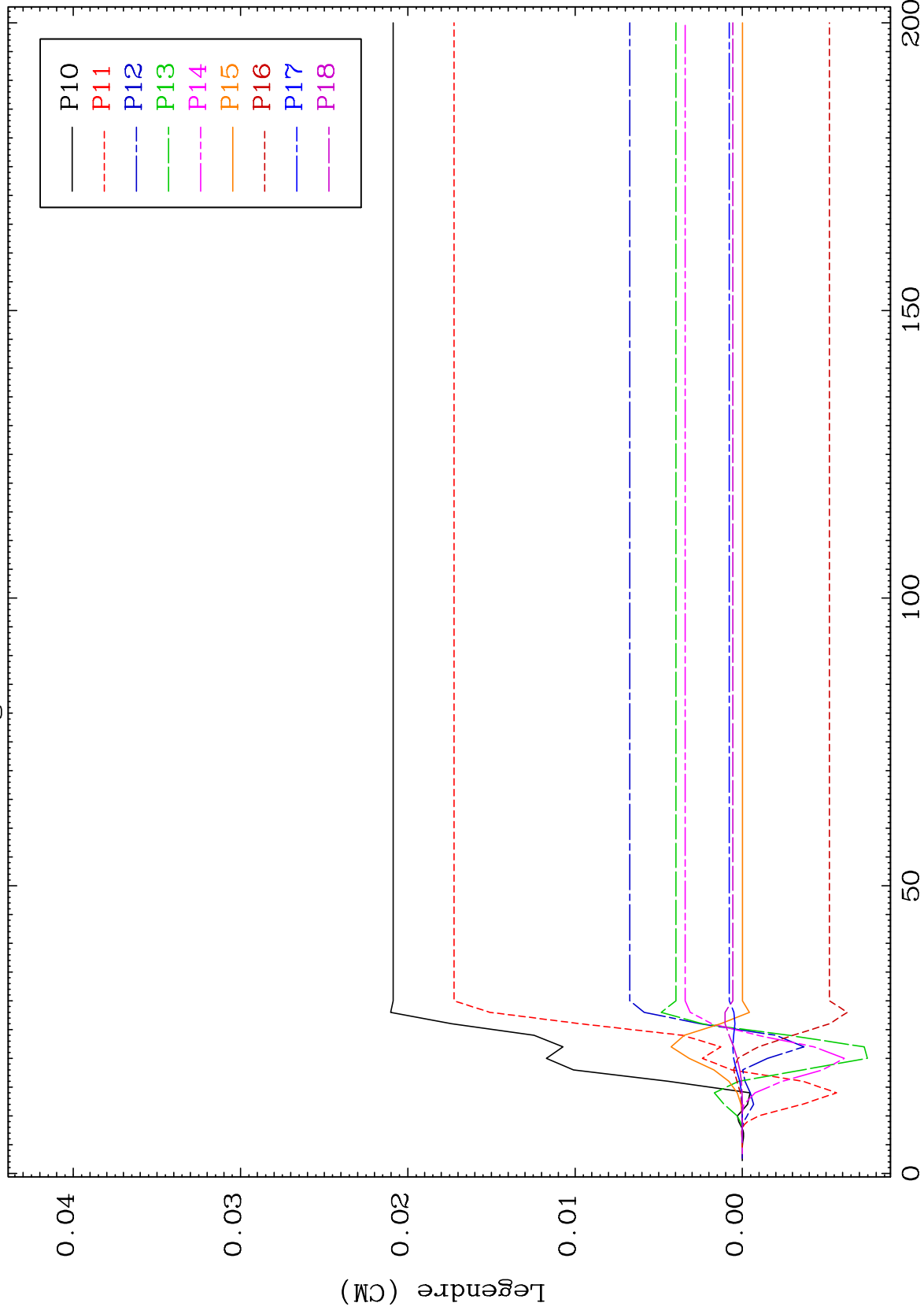
Incident Energy (MeV)

27

MAT 5449

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

54-Xe-132



28

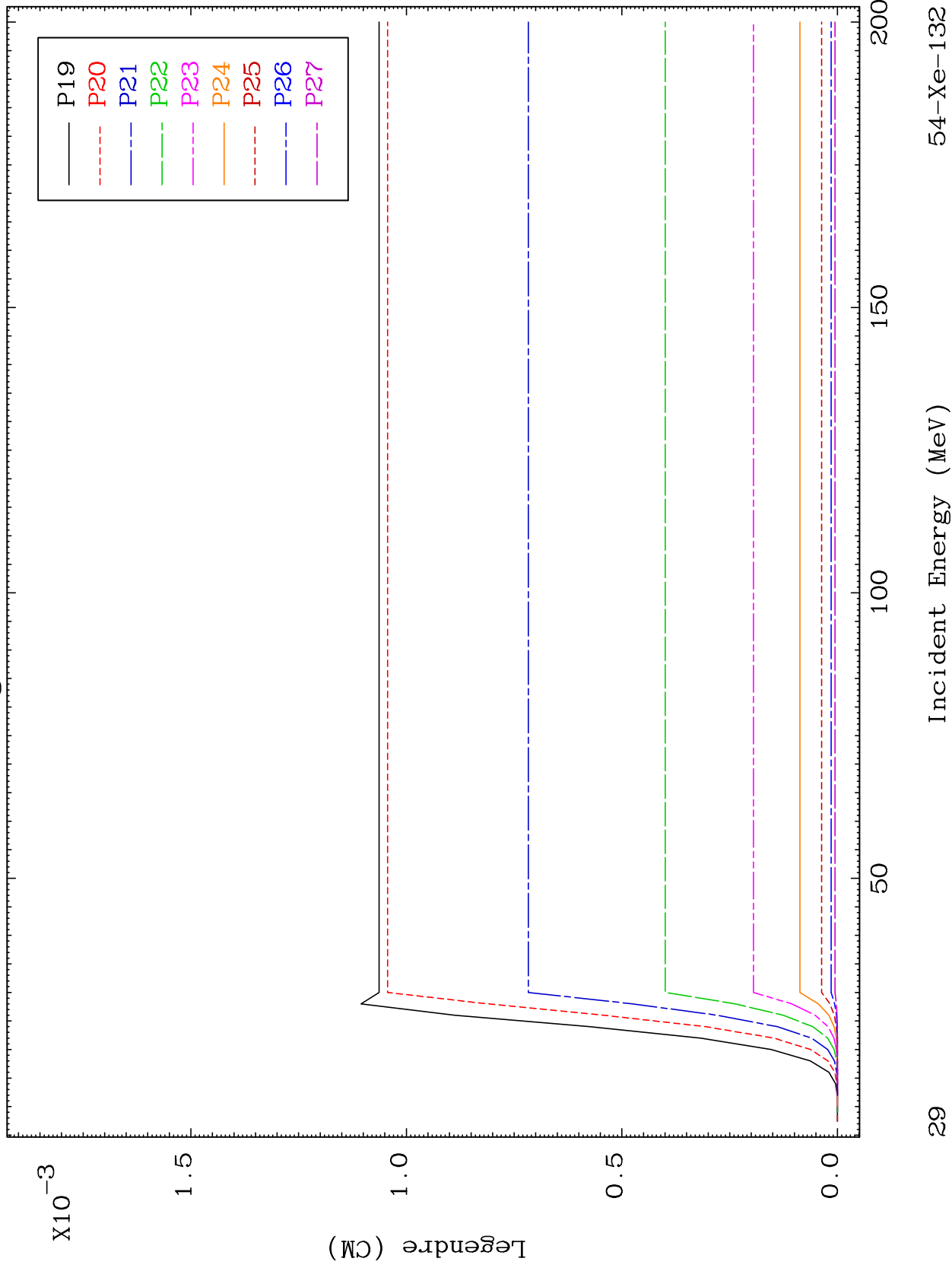
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



29

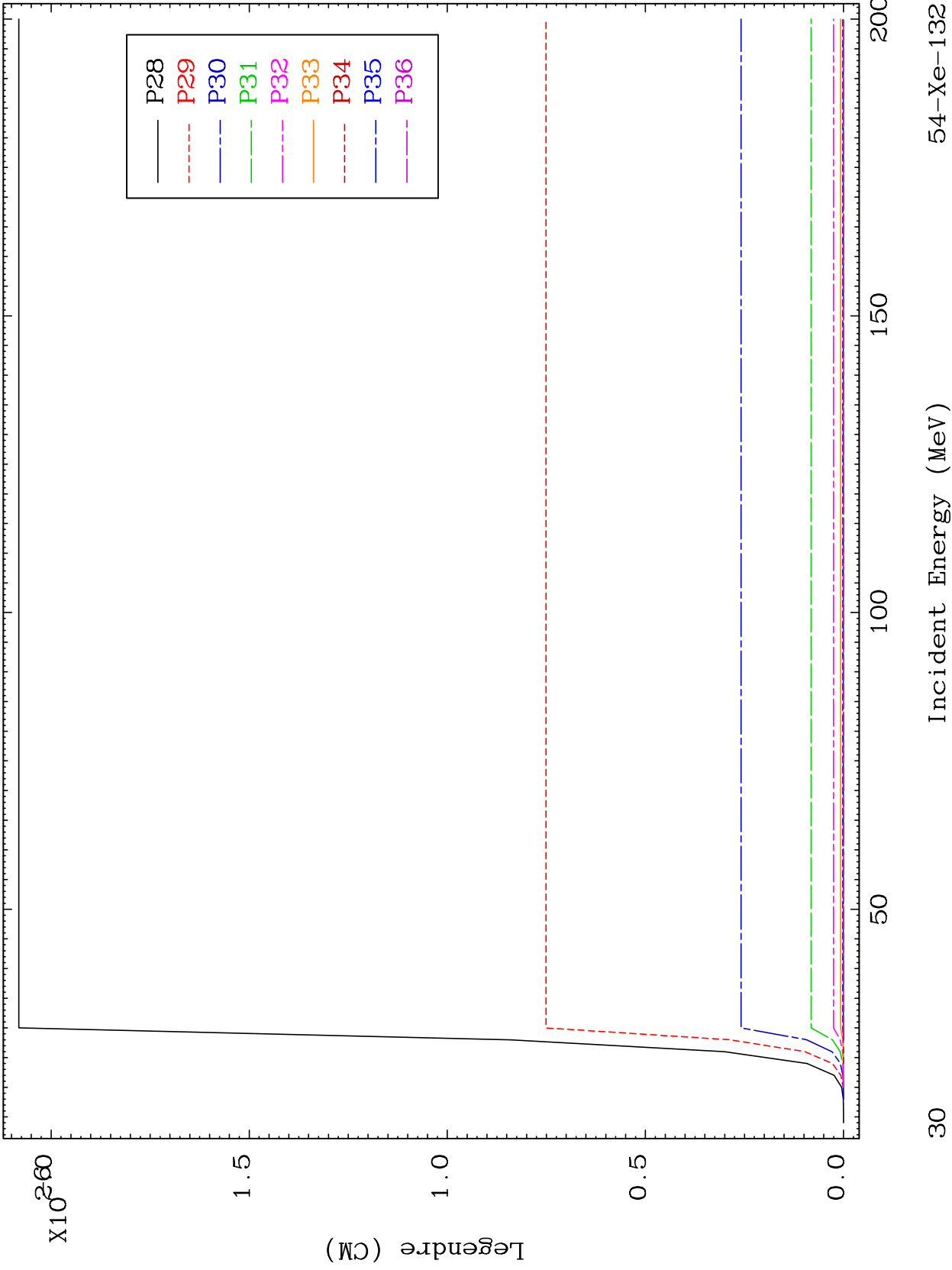
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

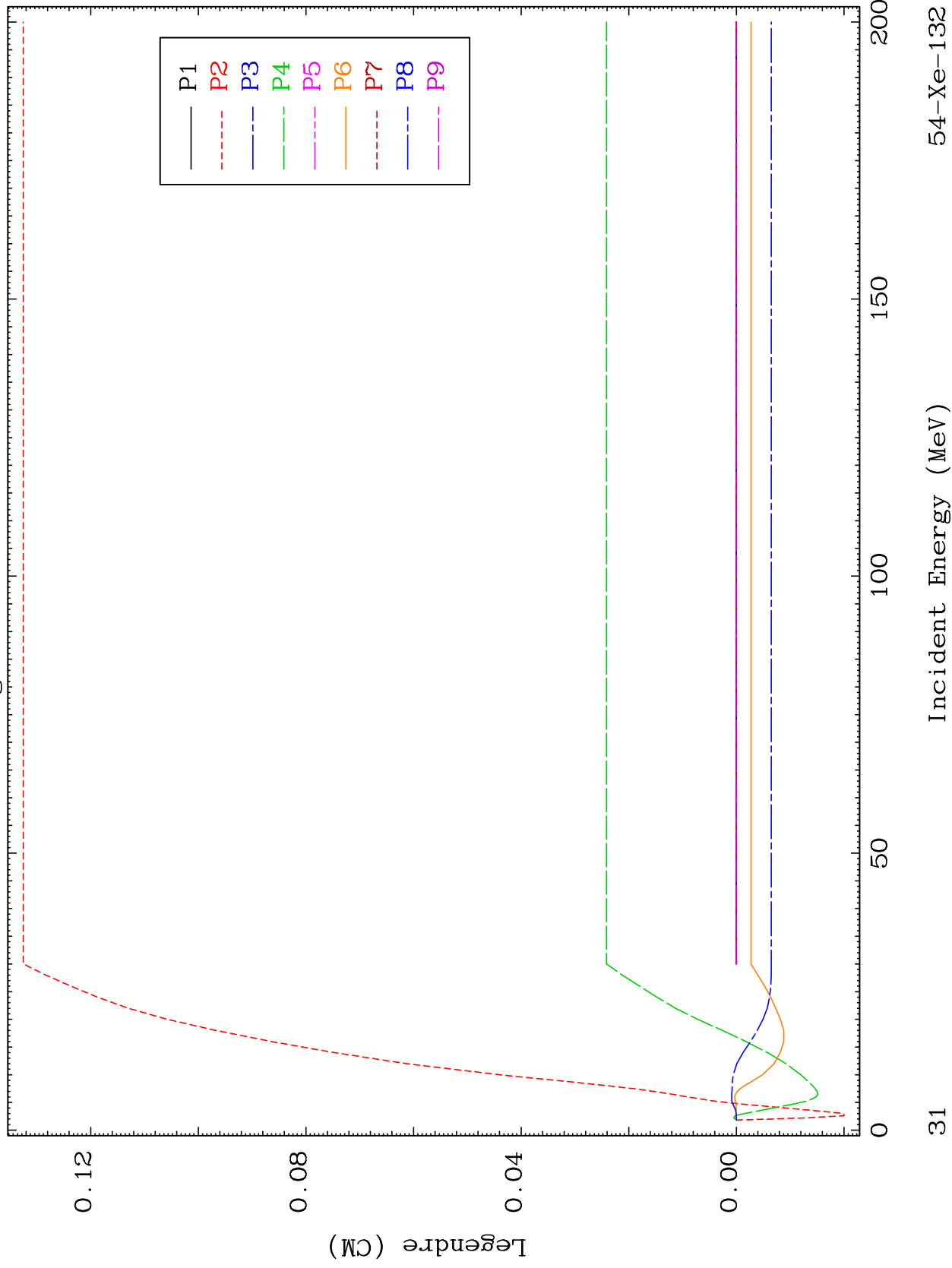
54-Xe-132



MAT 5449

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

54-Xe-132

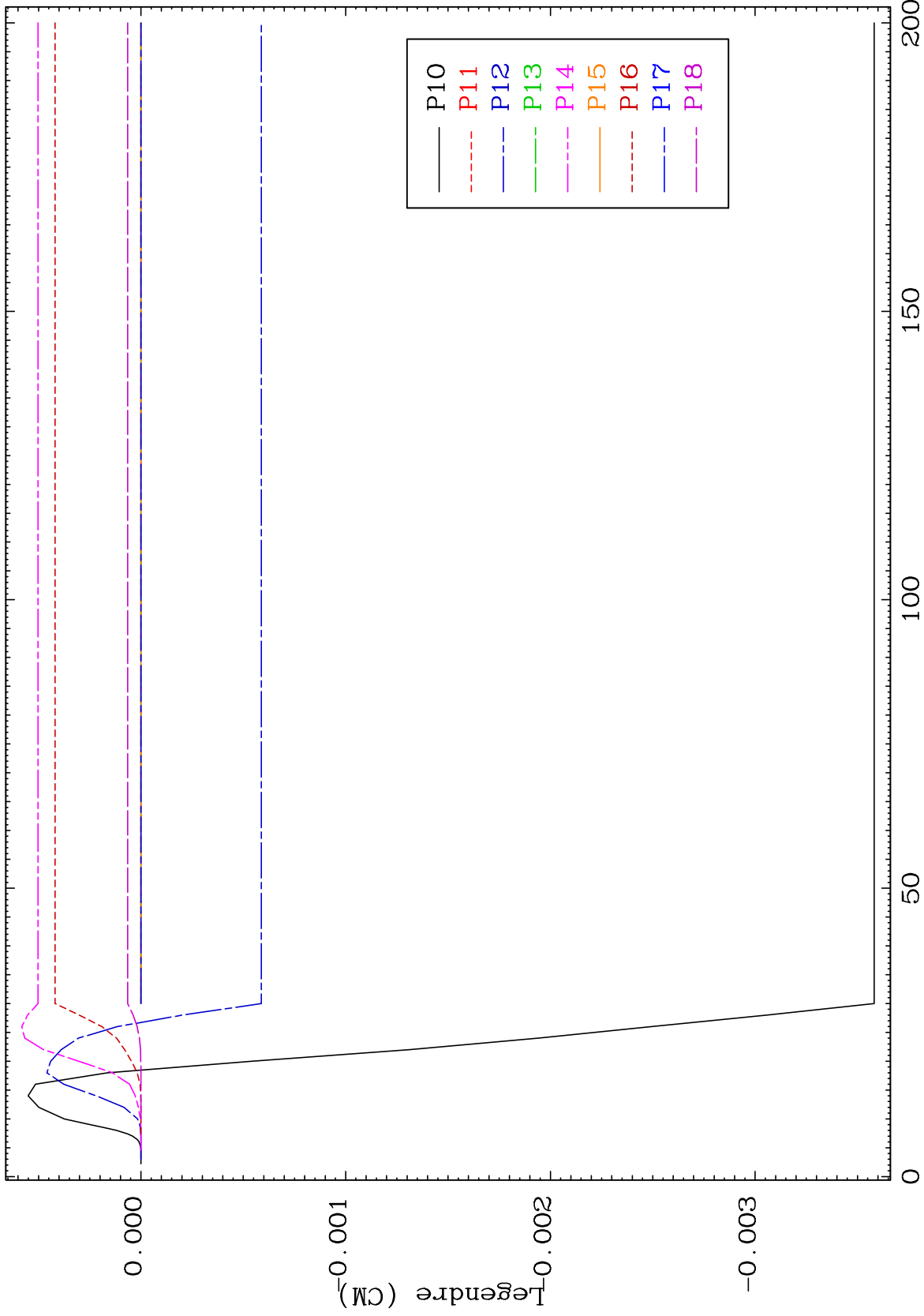


31

MAT 5449

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

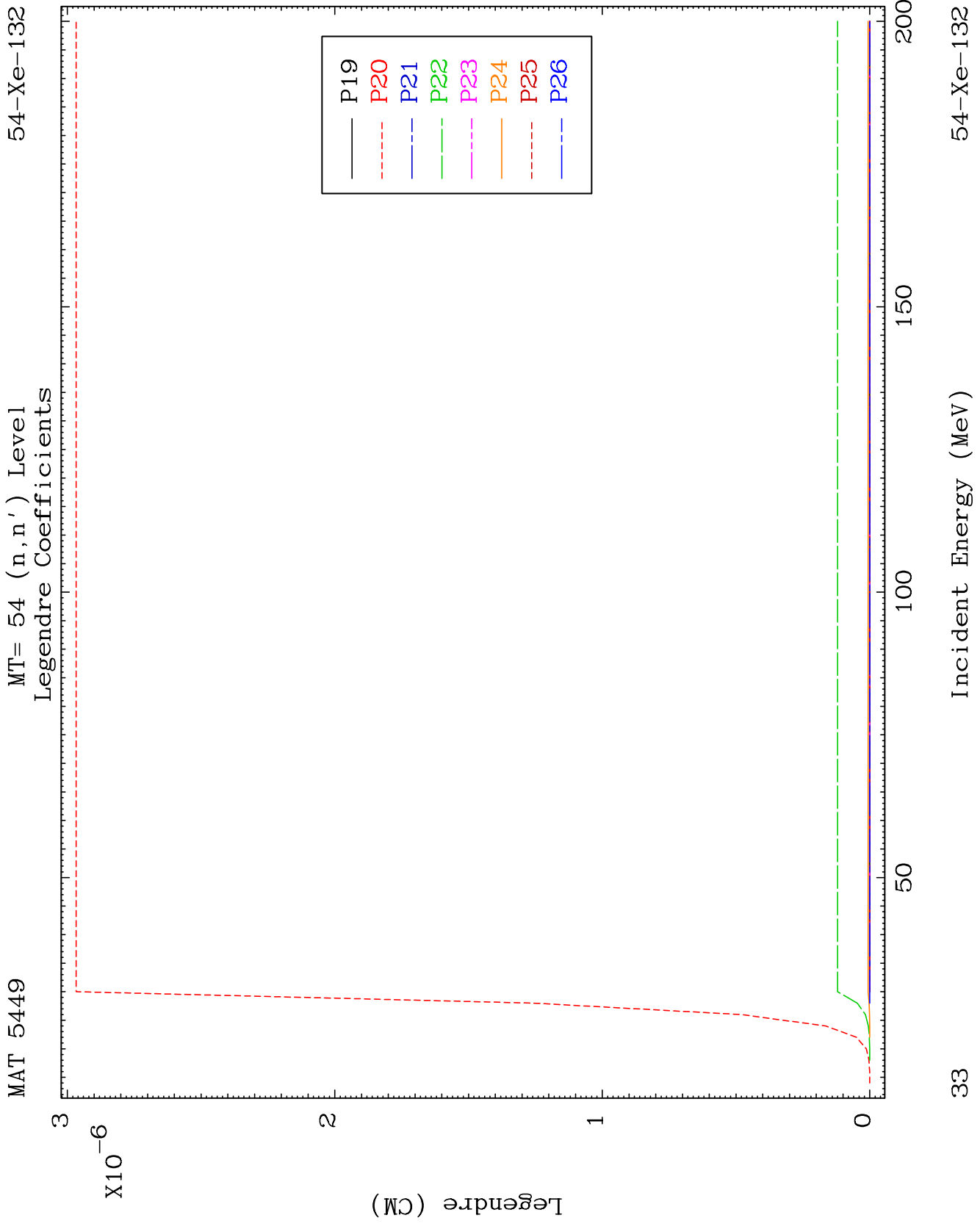
54-Xe-132



32

Incident Energy (MeV)

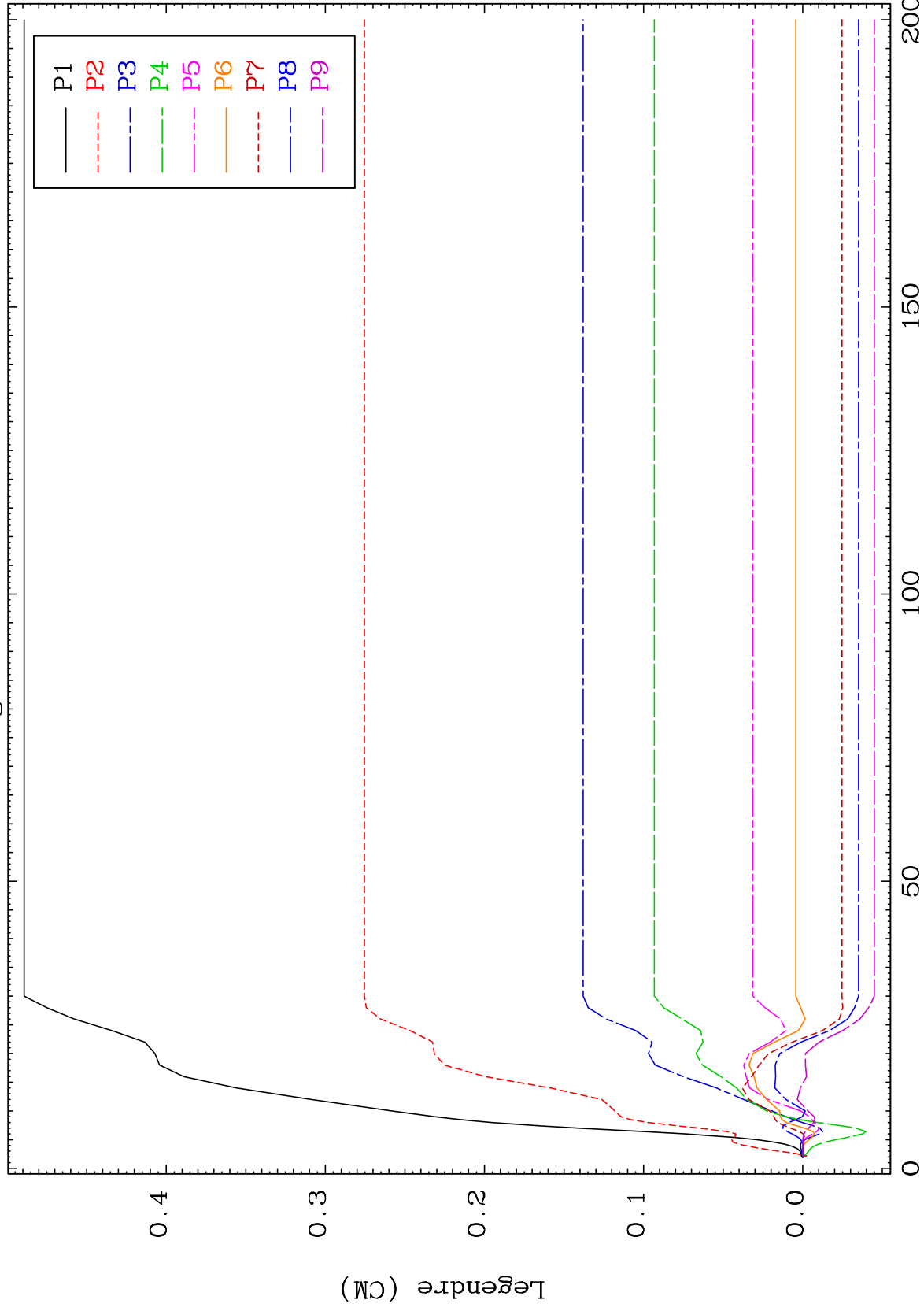
54-Xe-132



MAT 5449

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

54-Xe-132



54-Xe-132

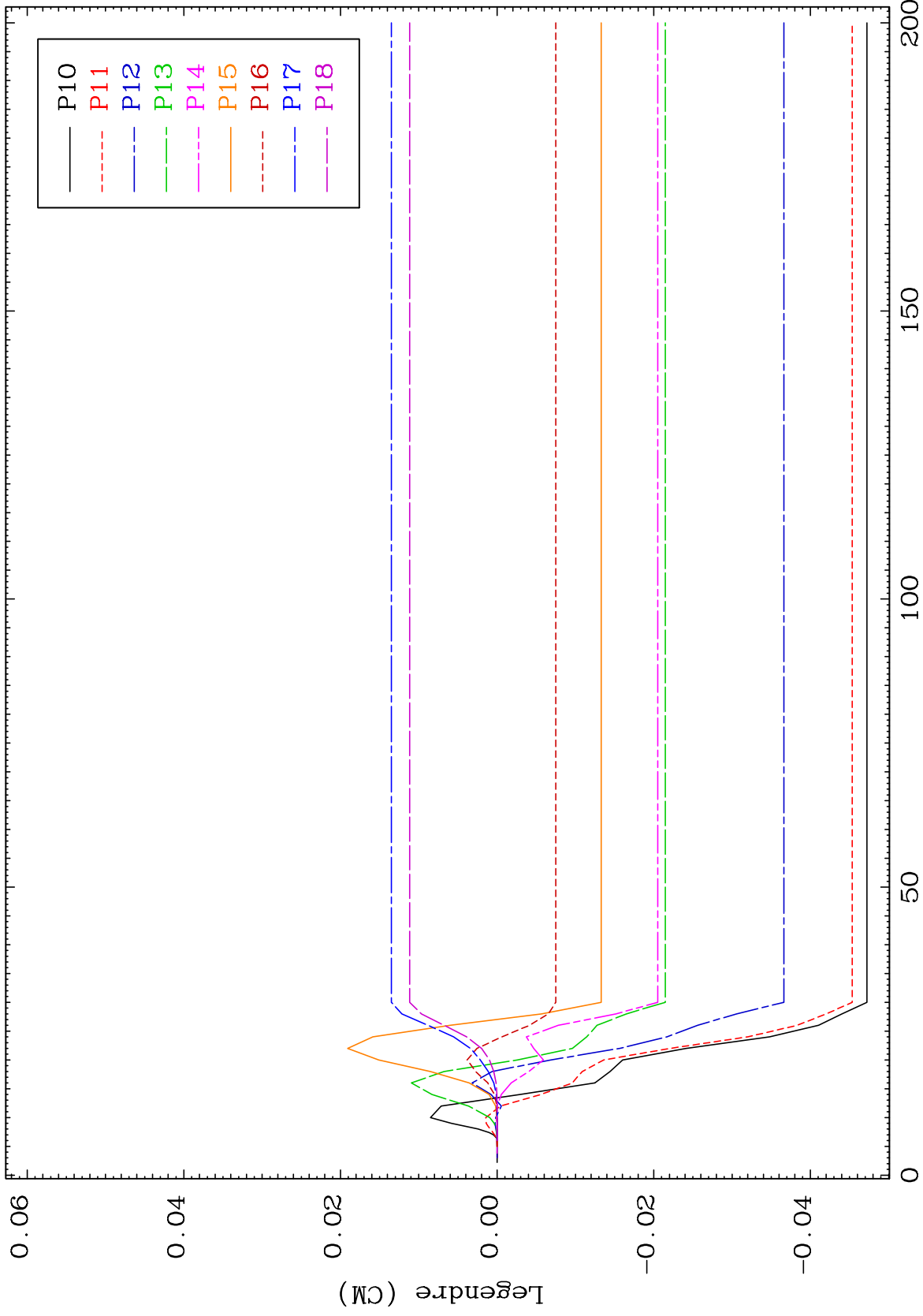
Incident Energy (MeV)

34

MAT 5449

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

54-Xe-132



35

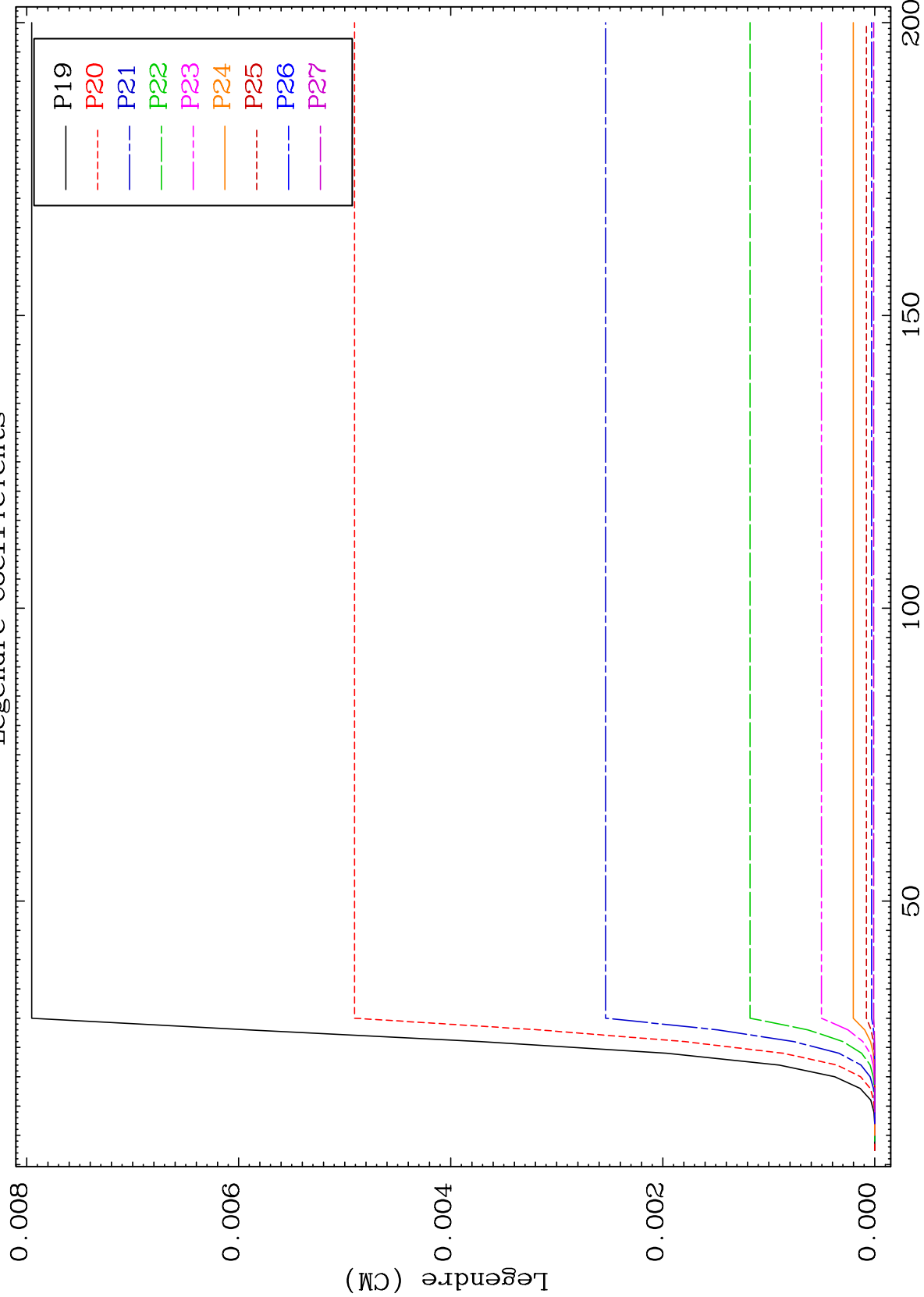
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



36

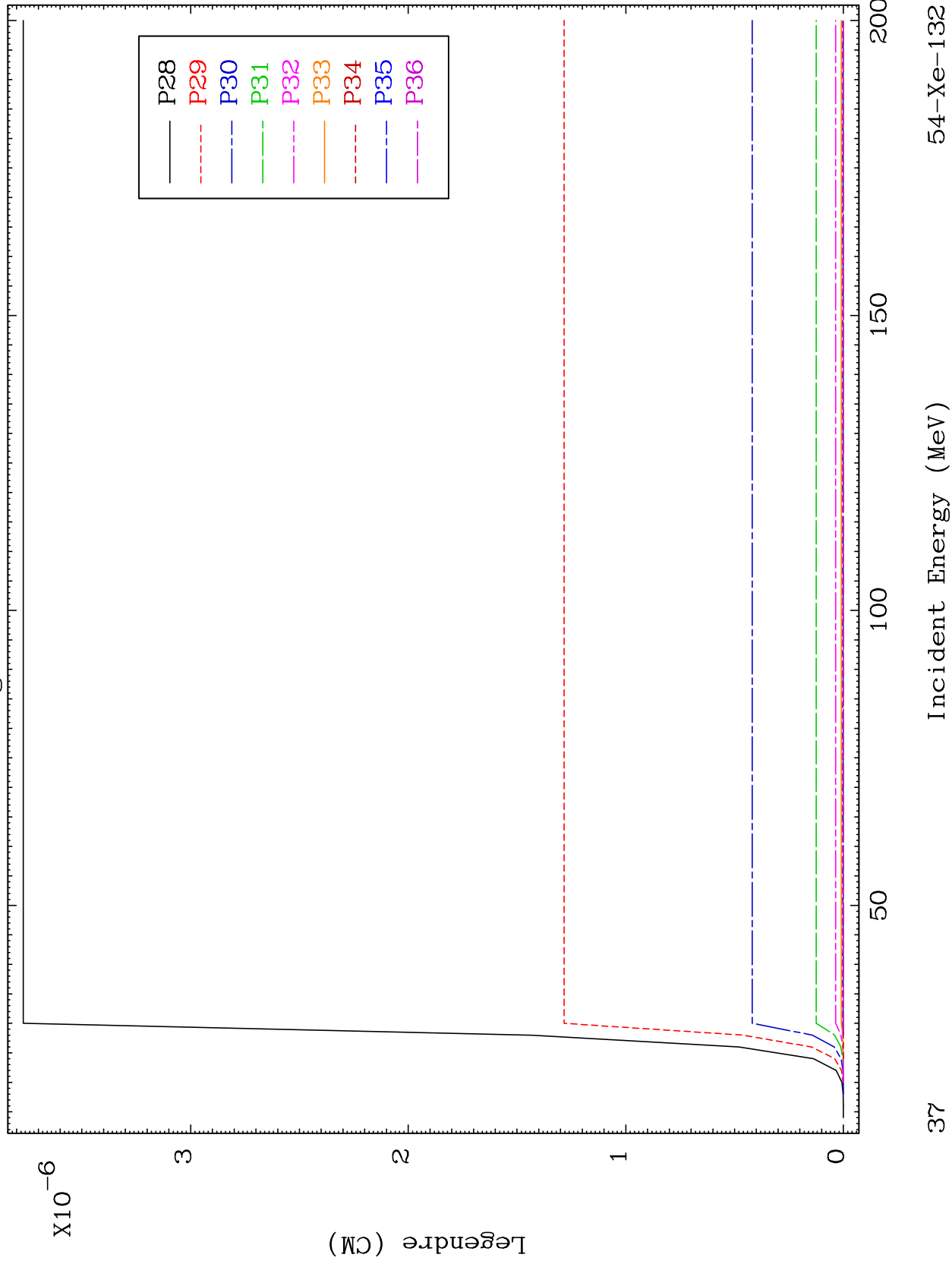
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

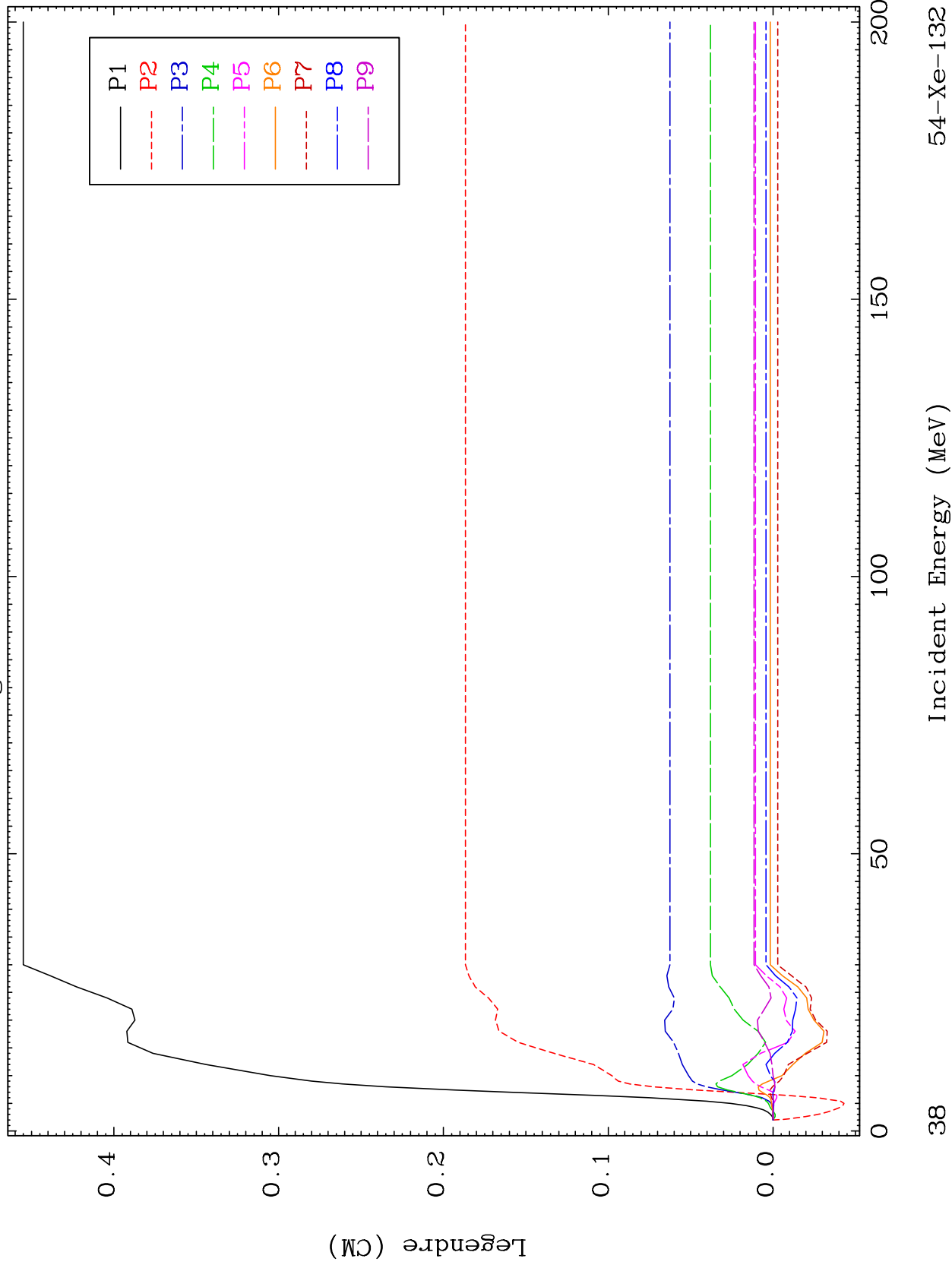
54-Xe-132



MAT 5449

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

54-Xe-132



54-Xe-132

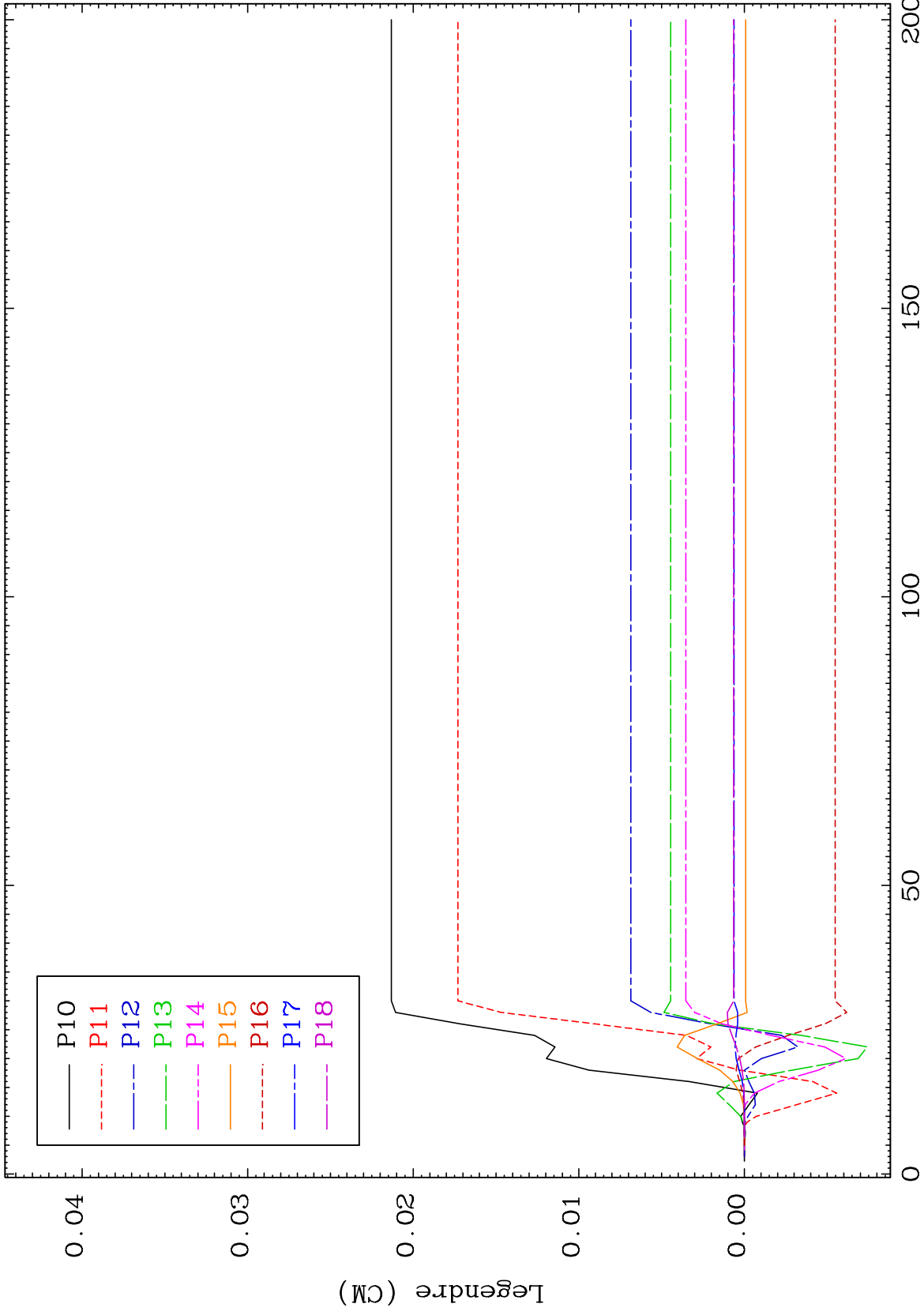
Incident Energy (MeV)

38

MAT 5449

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

54-Xe-132



39

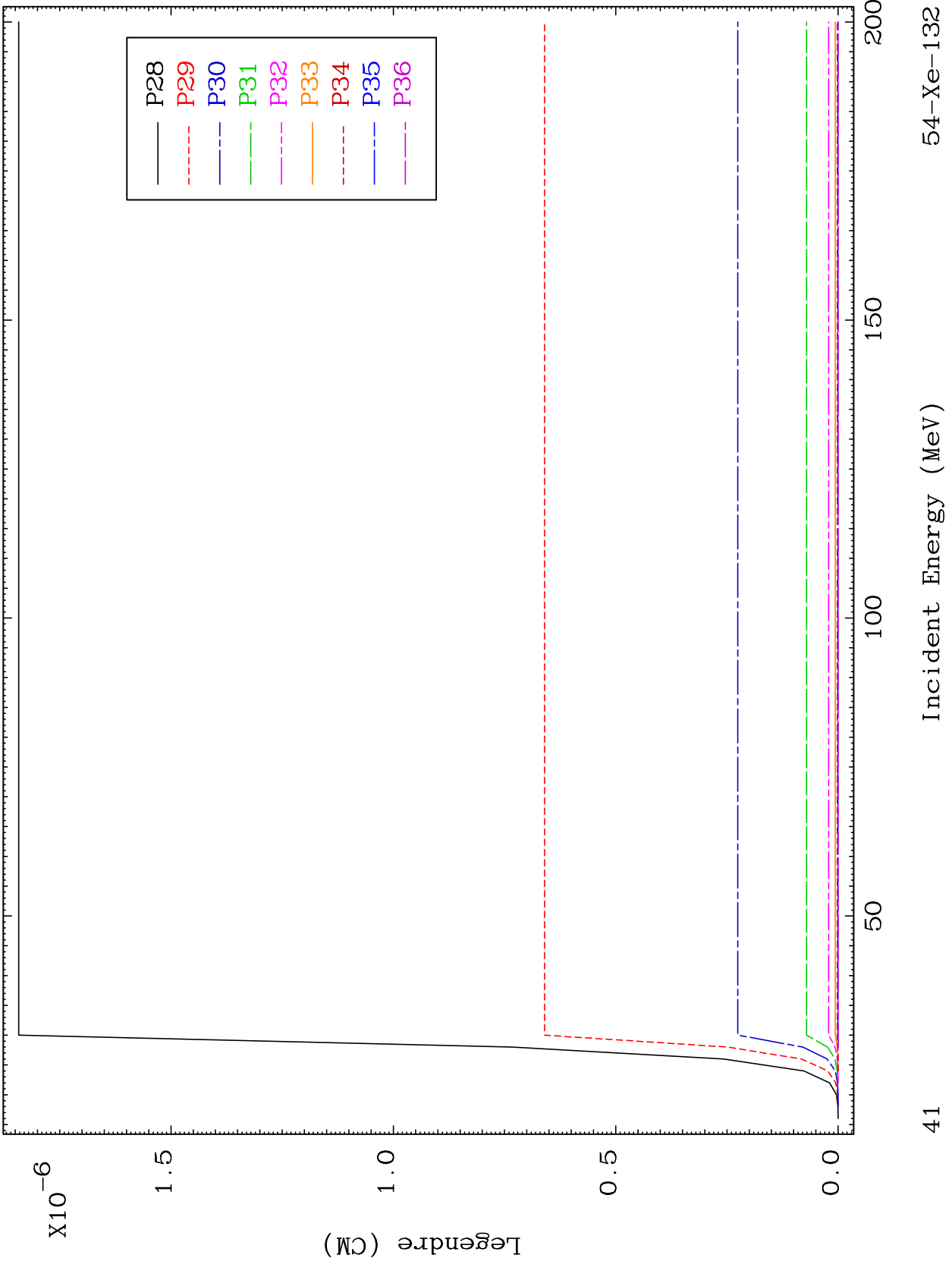
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

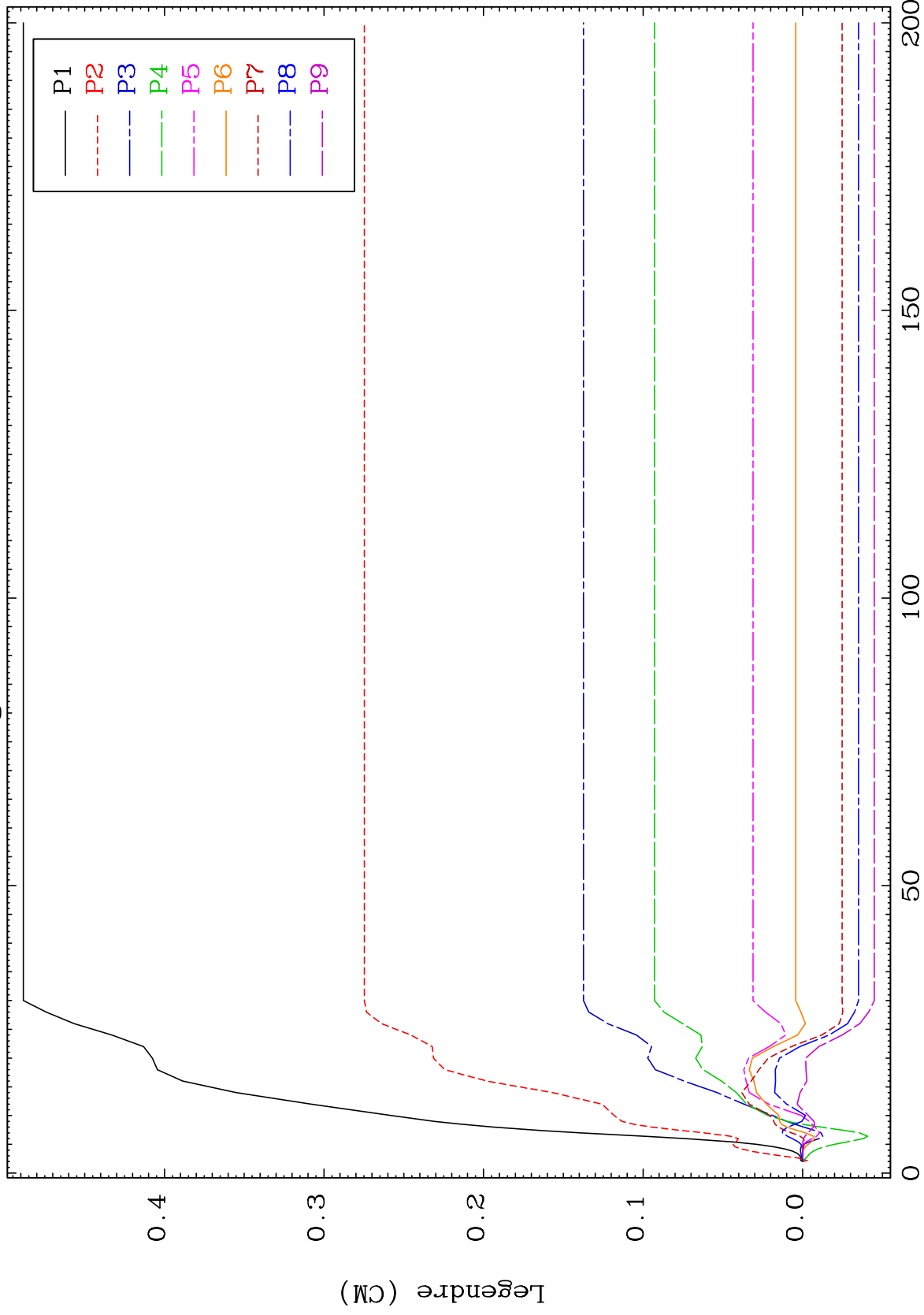
54-Xe-132



MAT 5449

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

54-Xe-132



54-Xe-132

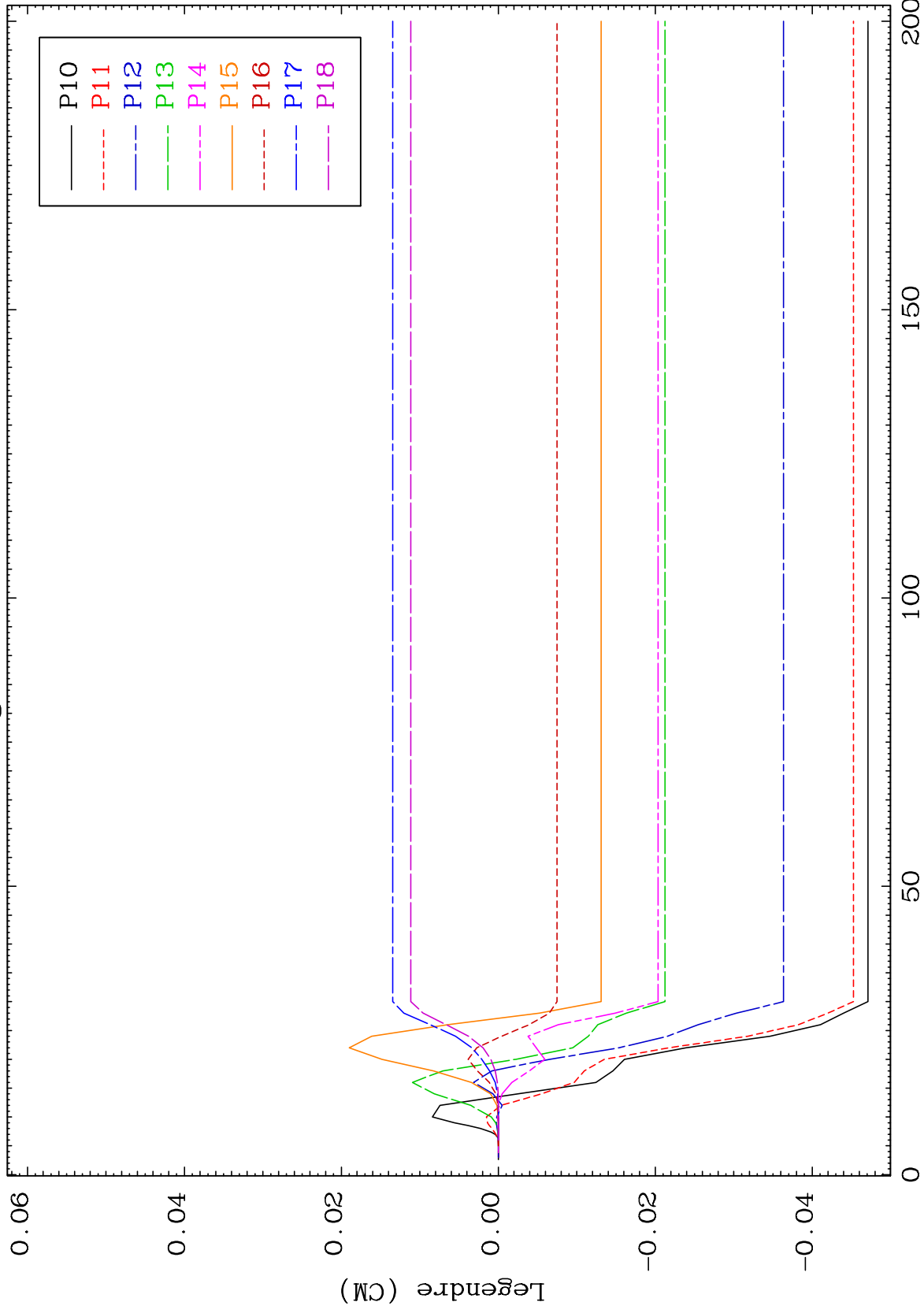
Incident Energy (MeV)

42

MAT 5449

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

54-Xe-132



43

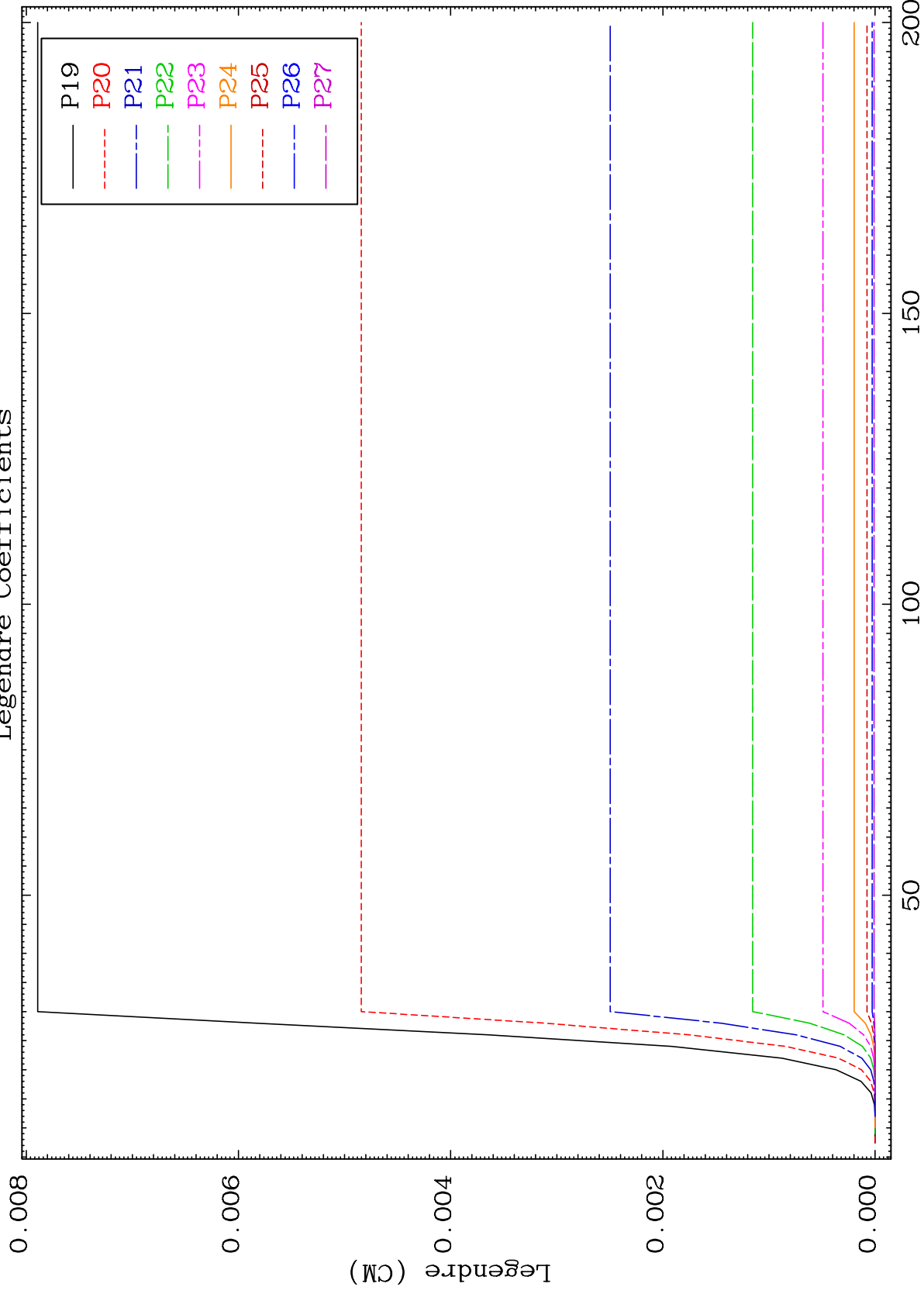
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



44

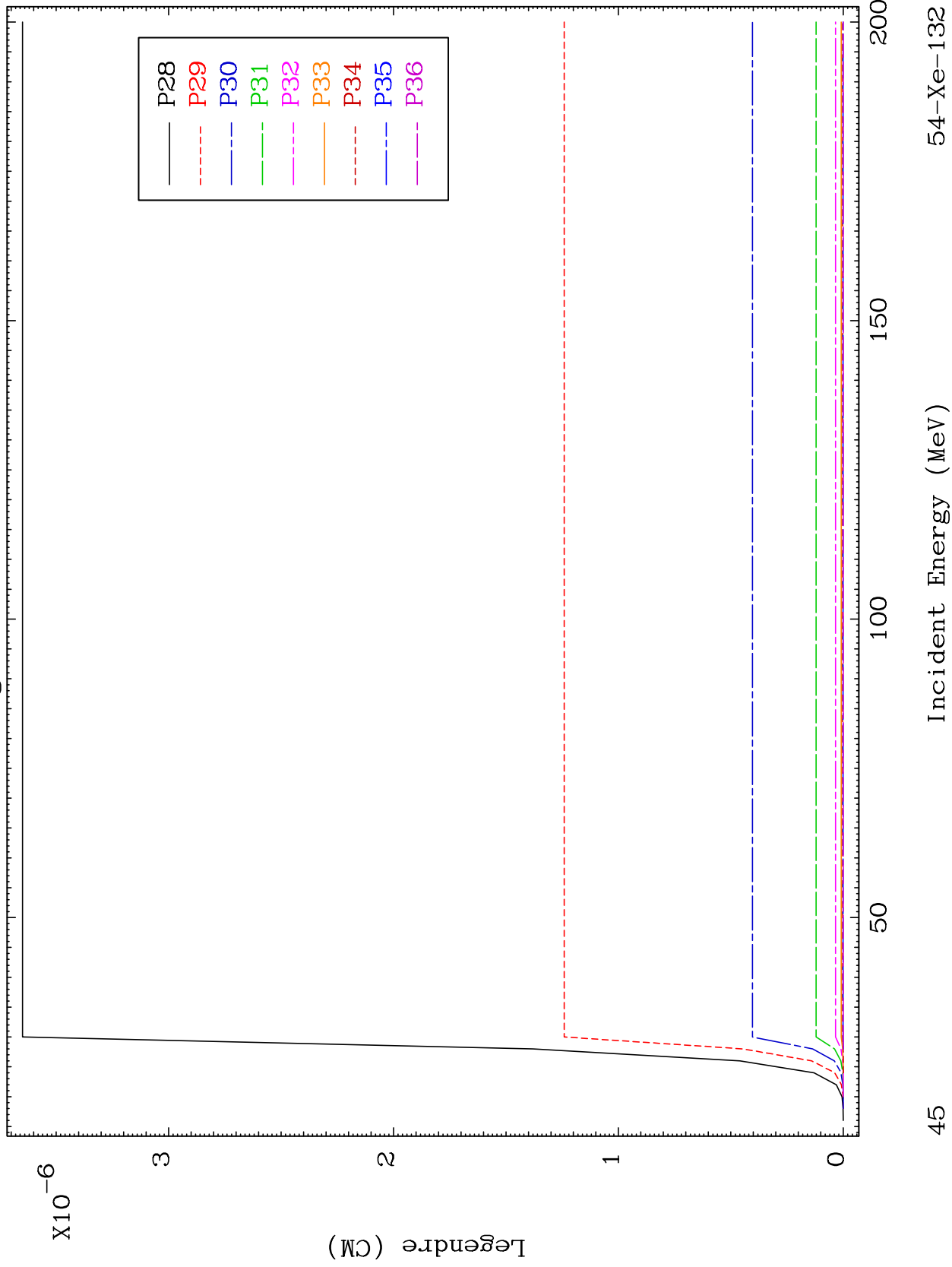
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

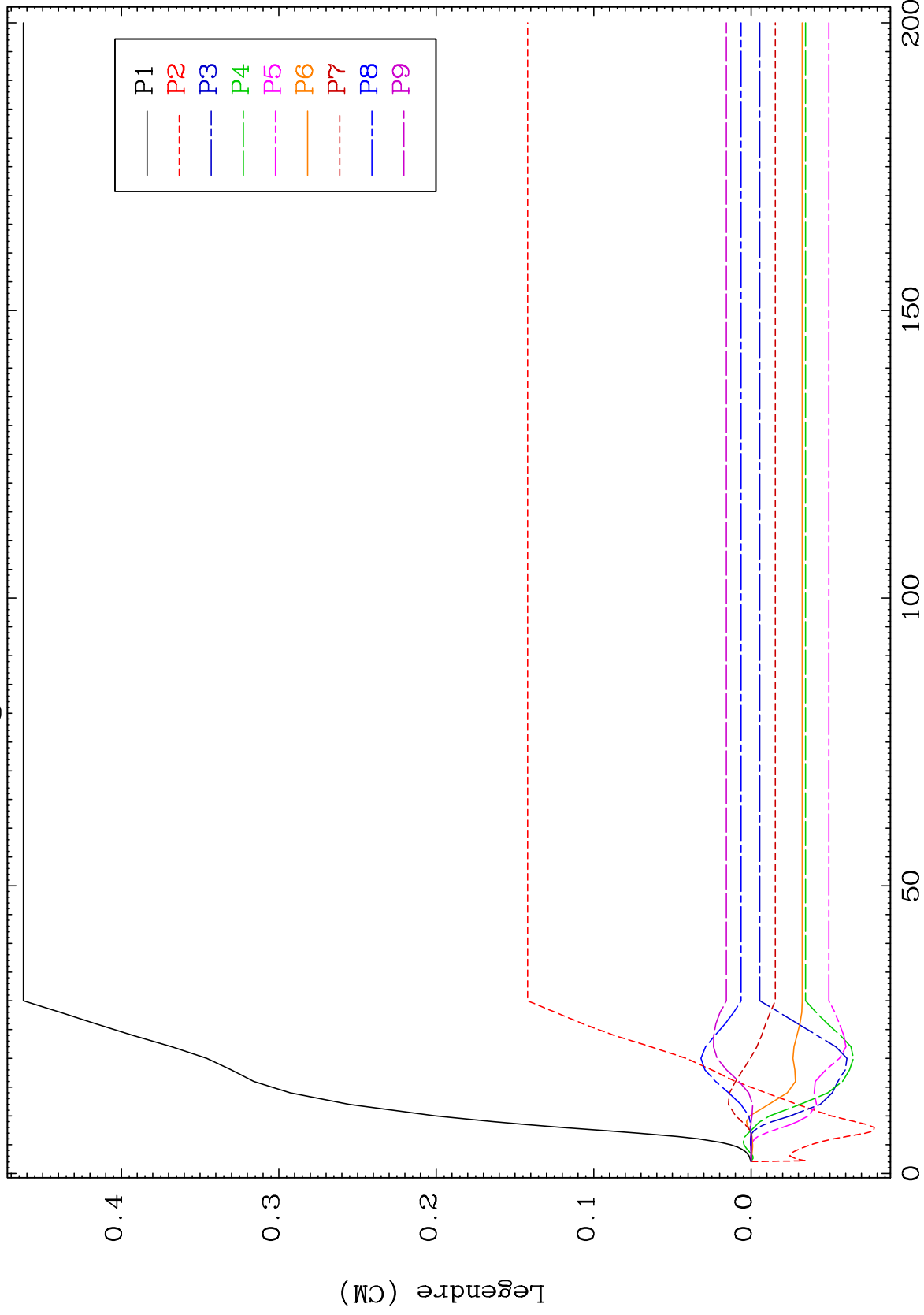
54-Xe-132



MAT 5449

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

54-Xe-132



46

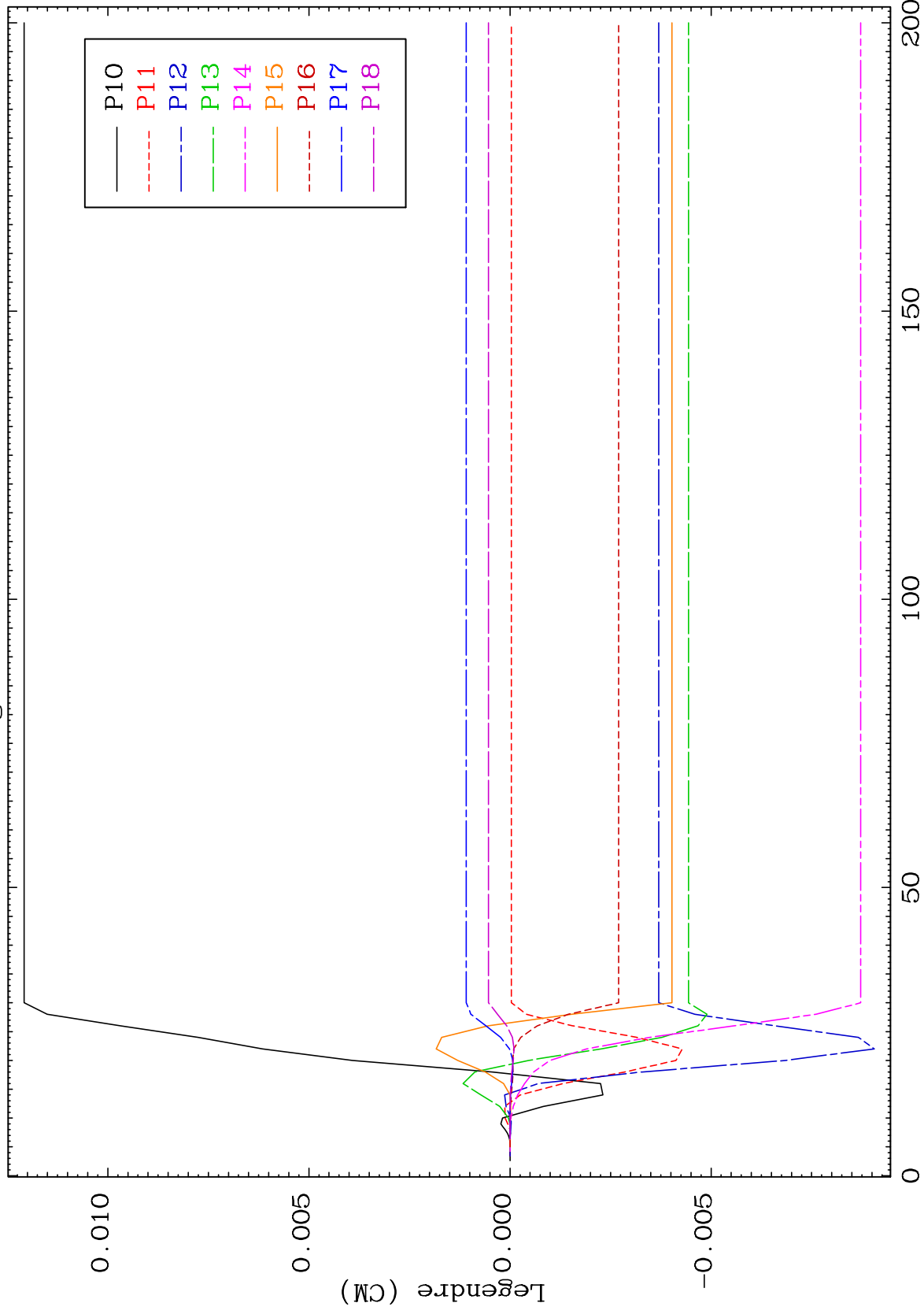
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



47

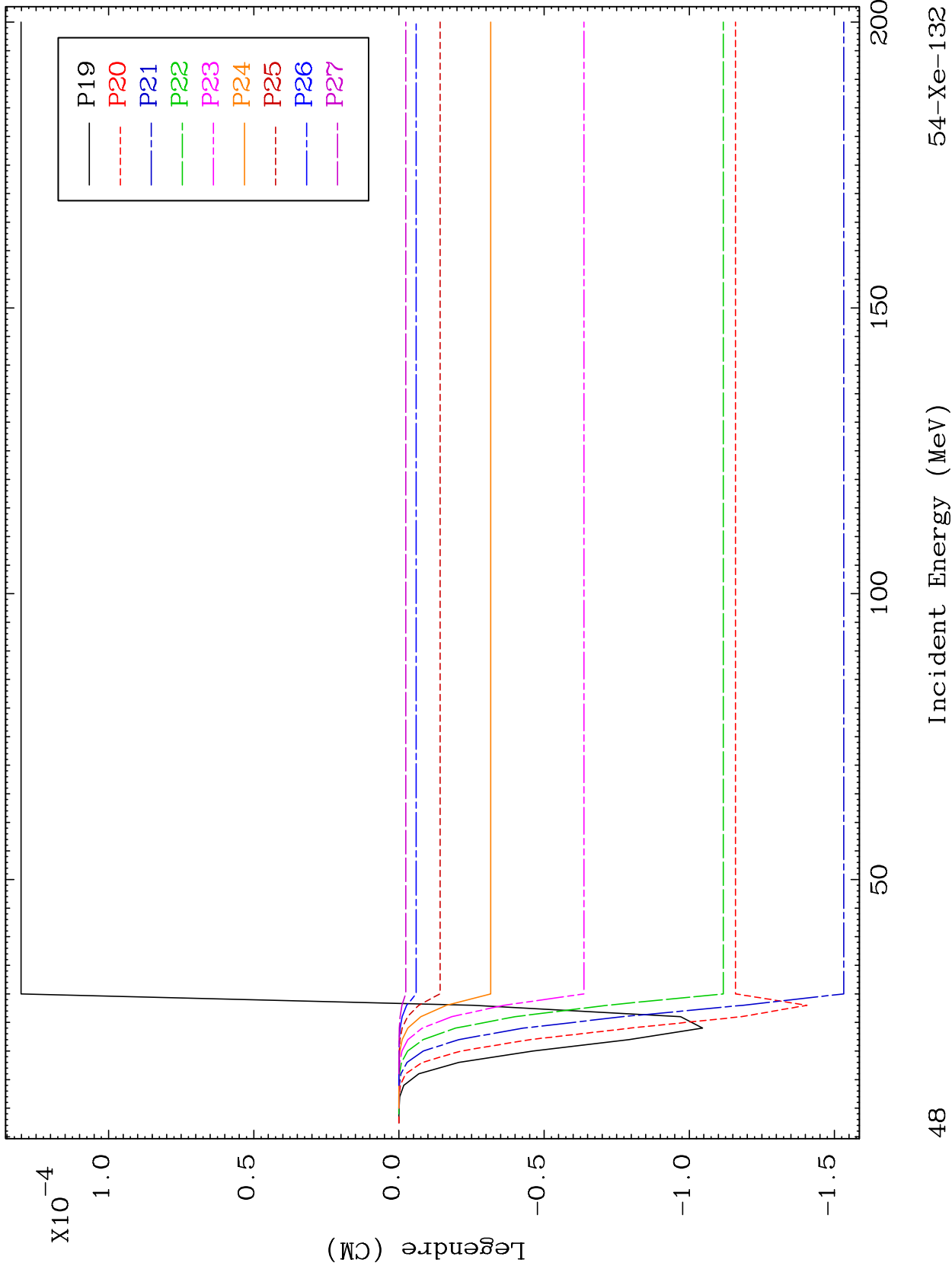
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



48

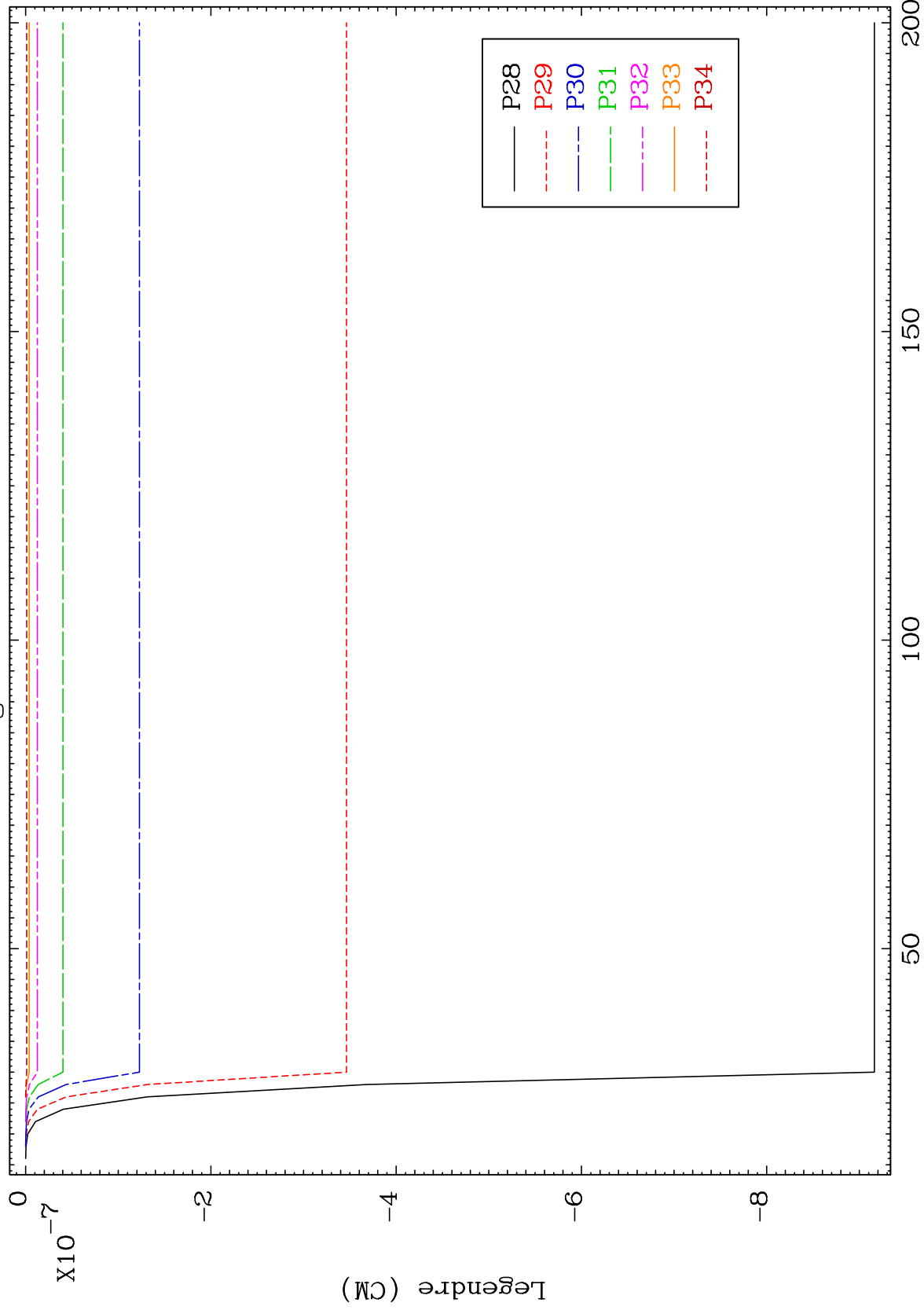
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



49

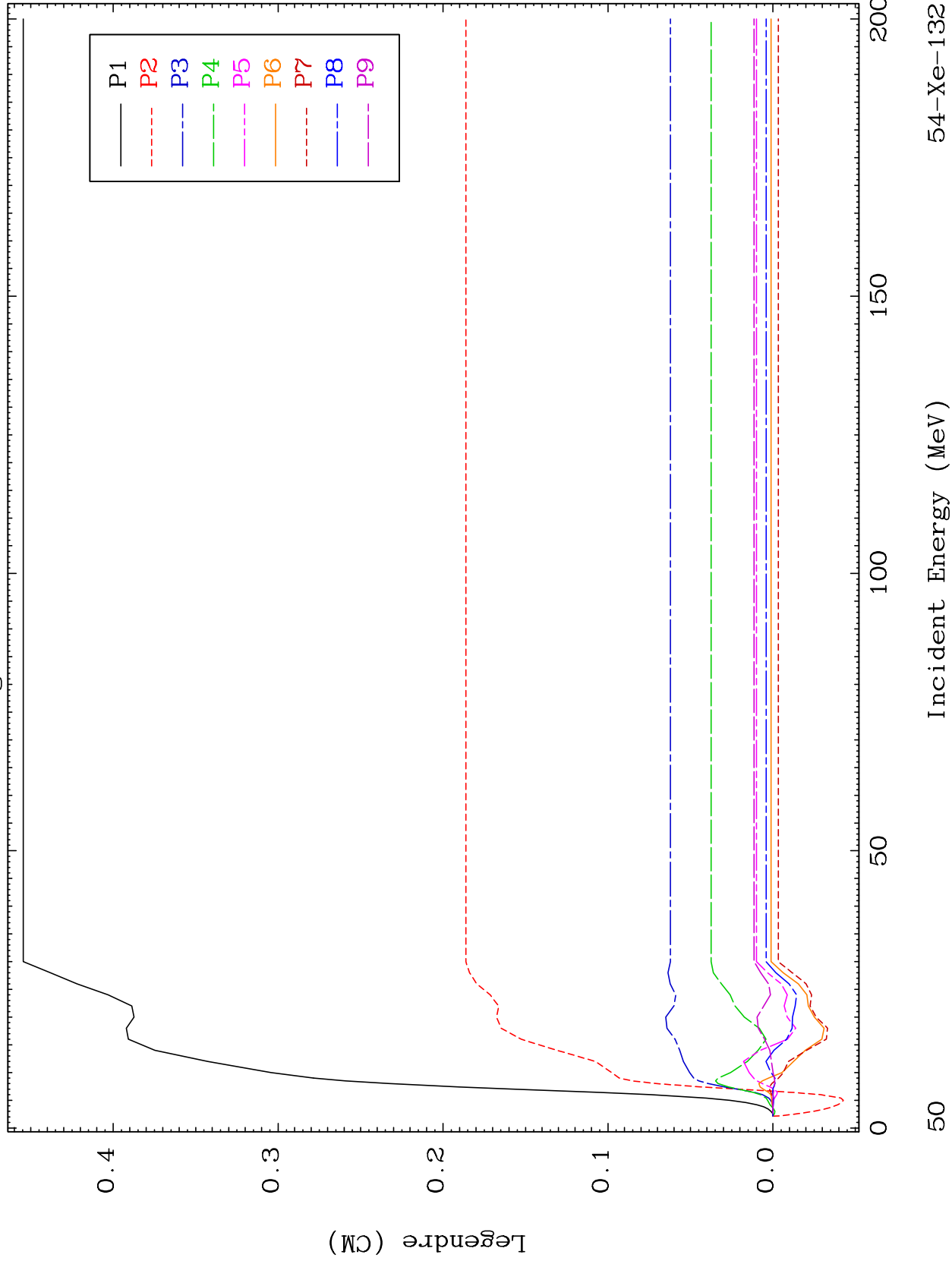
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132

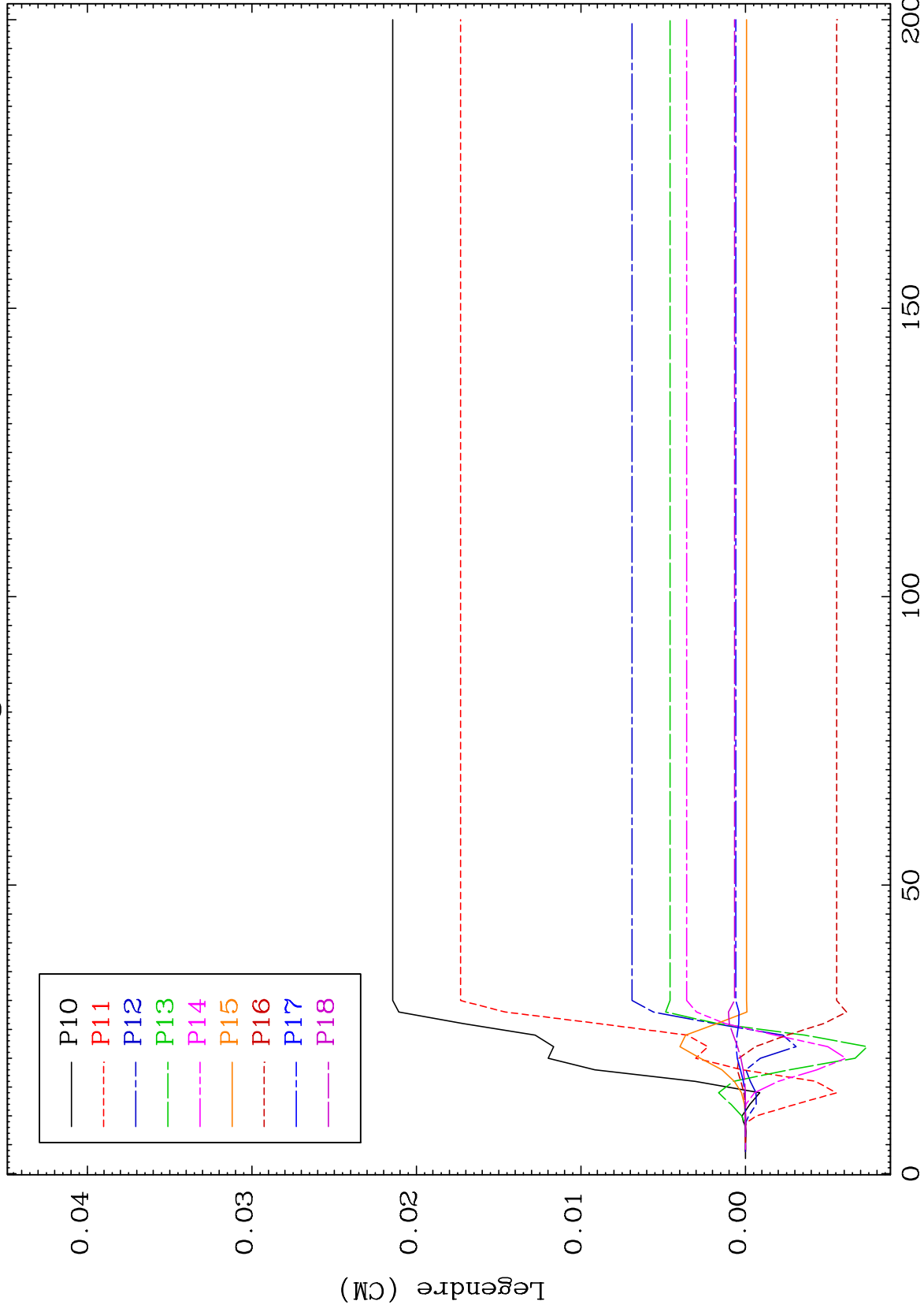


54-Xe-132

MAT 5449

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

54-Xe-132



51

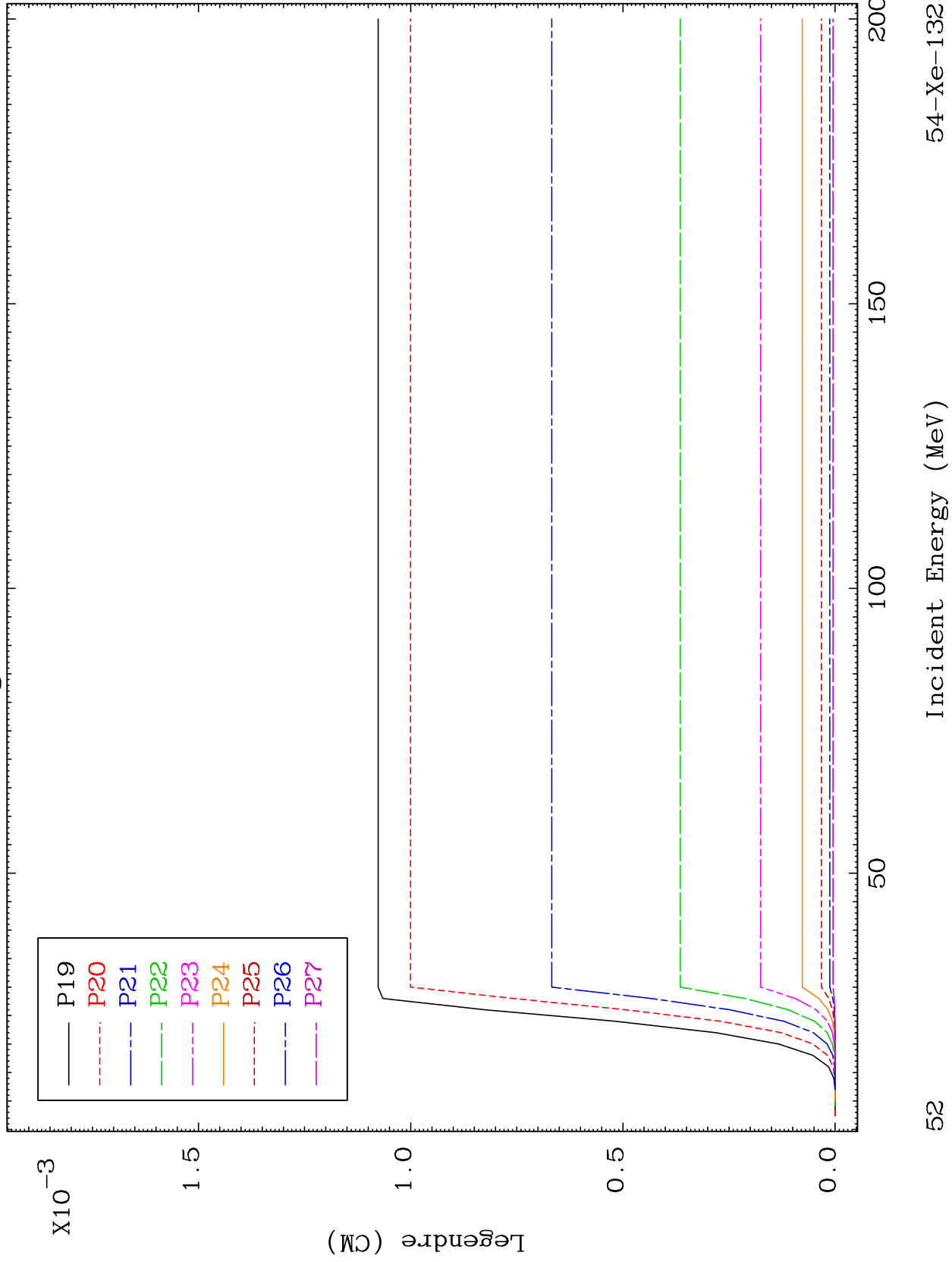
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



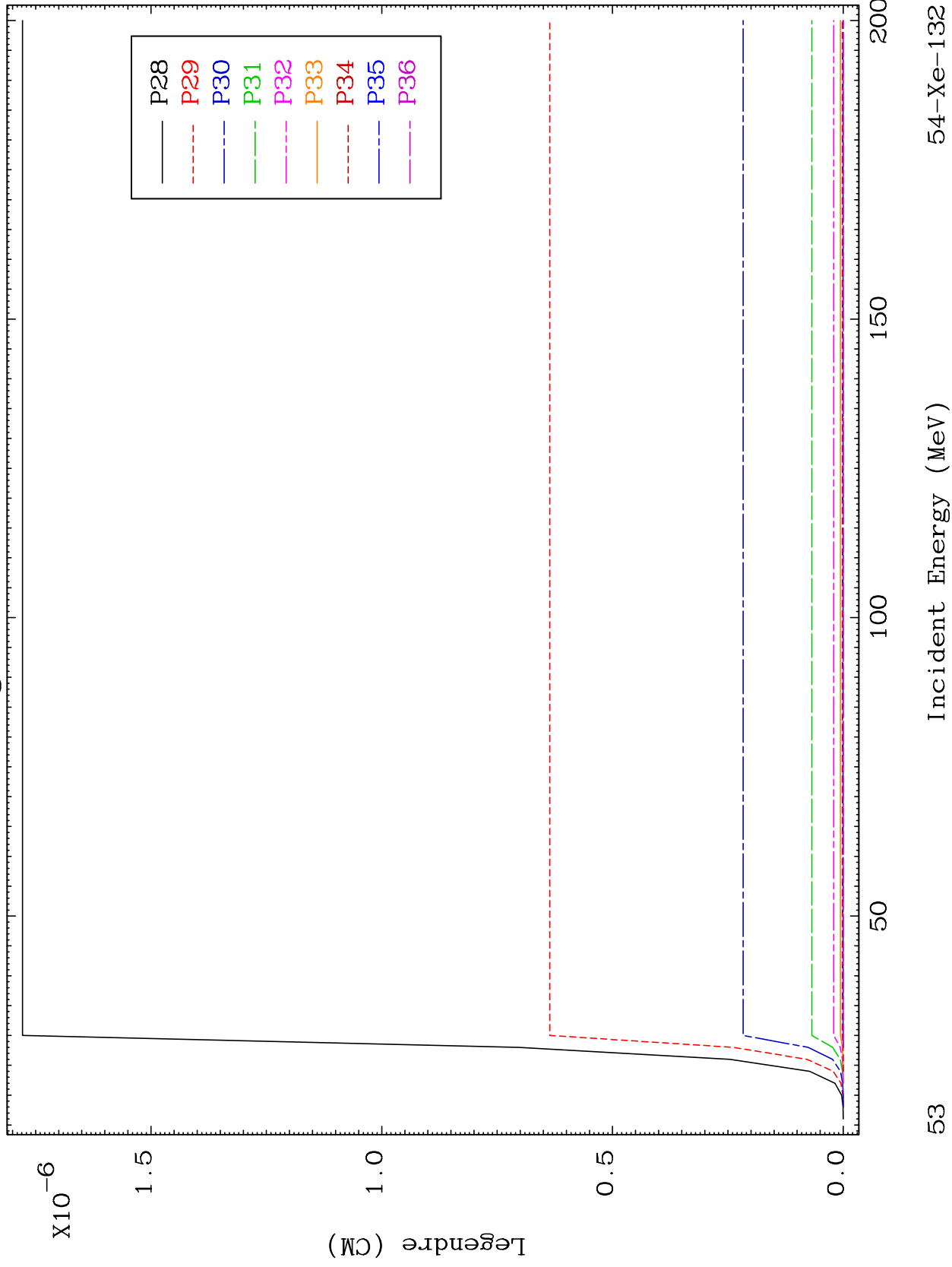
52

54-Xe-132

MAT 5449

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

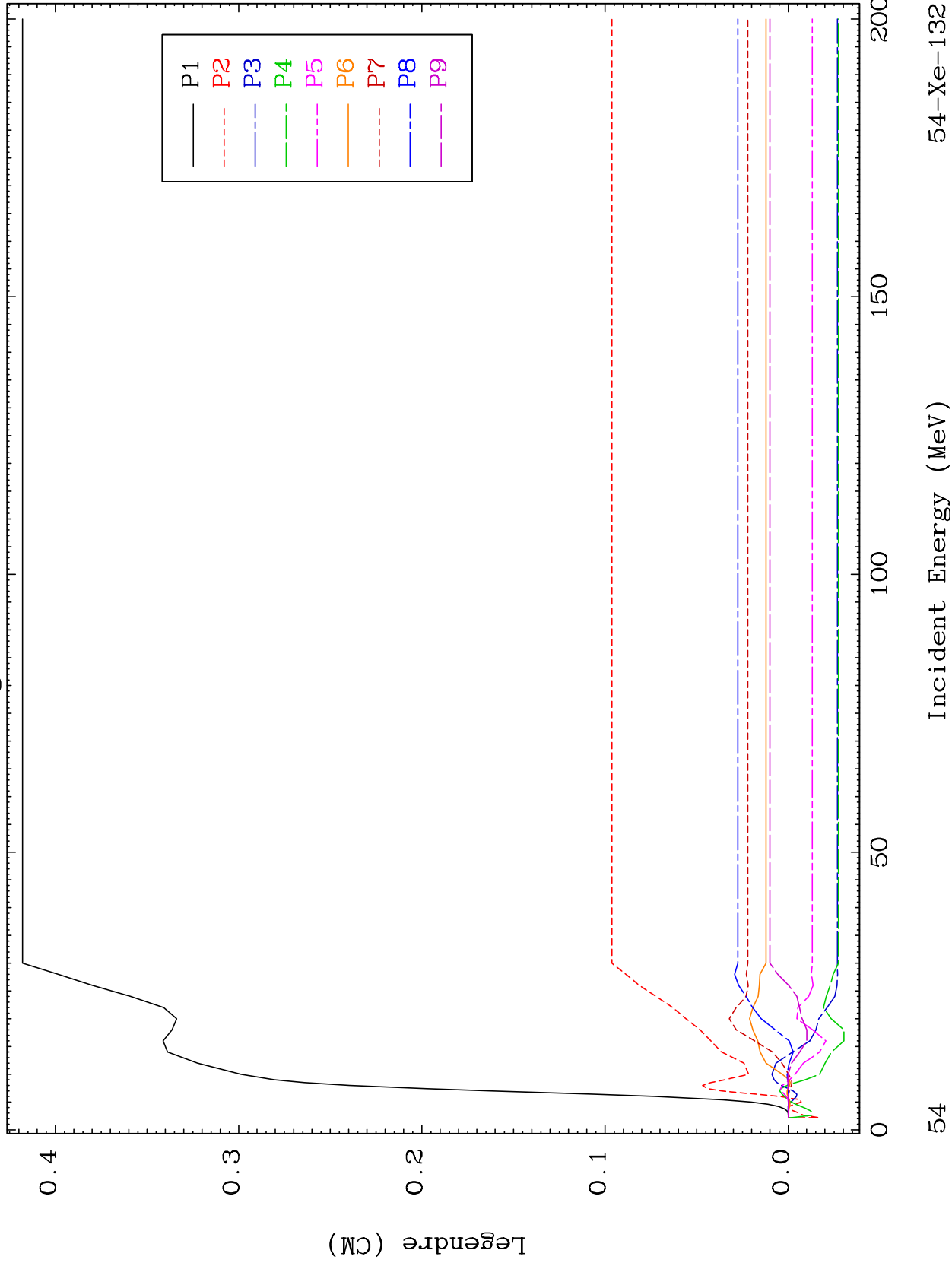
54-Xe-132



MAT 5449

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

54-Xe-132



54-Xe-132

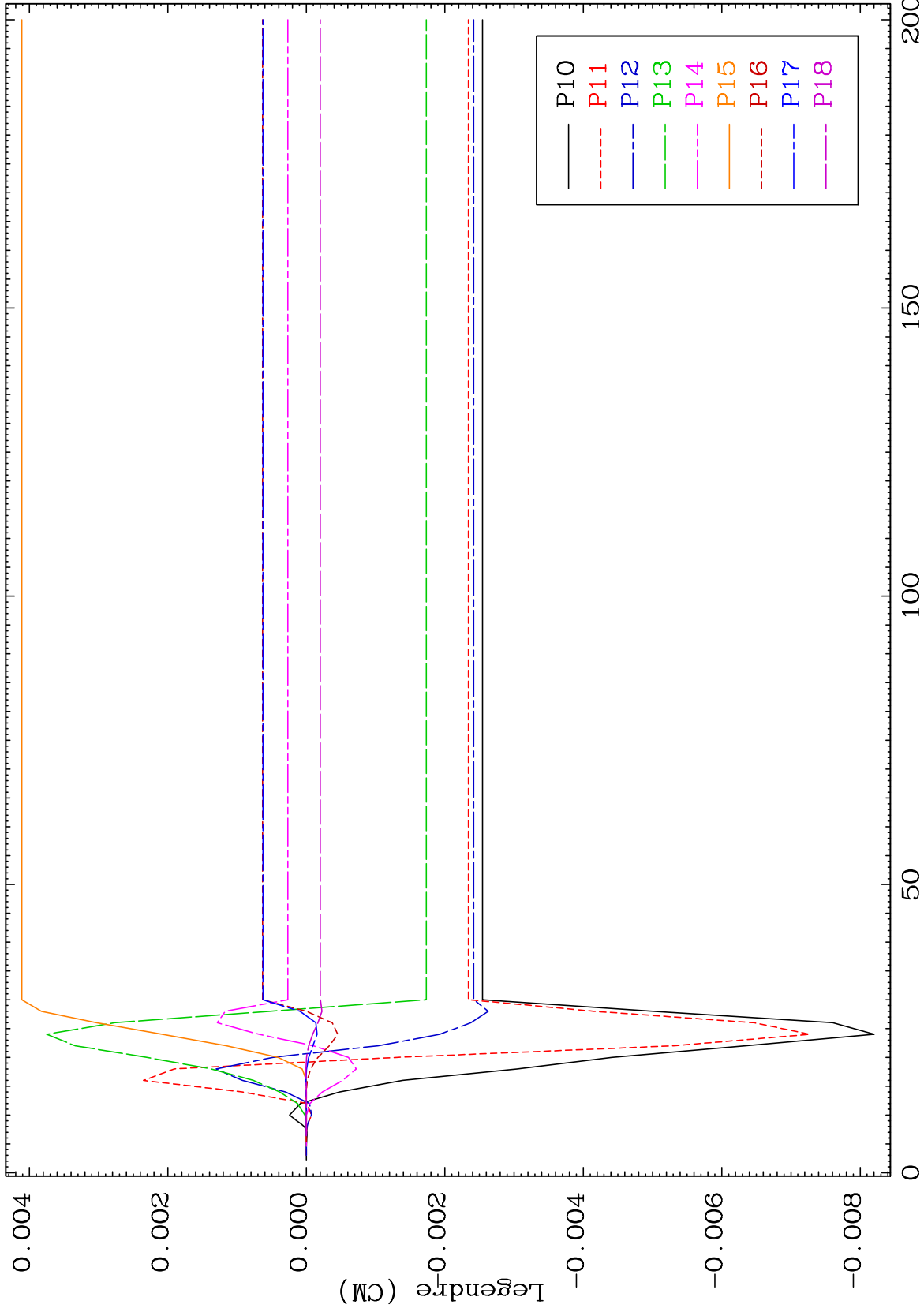
Incident Energy (MeV)

54

MAT 5449

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

54-Xe-132



55

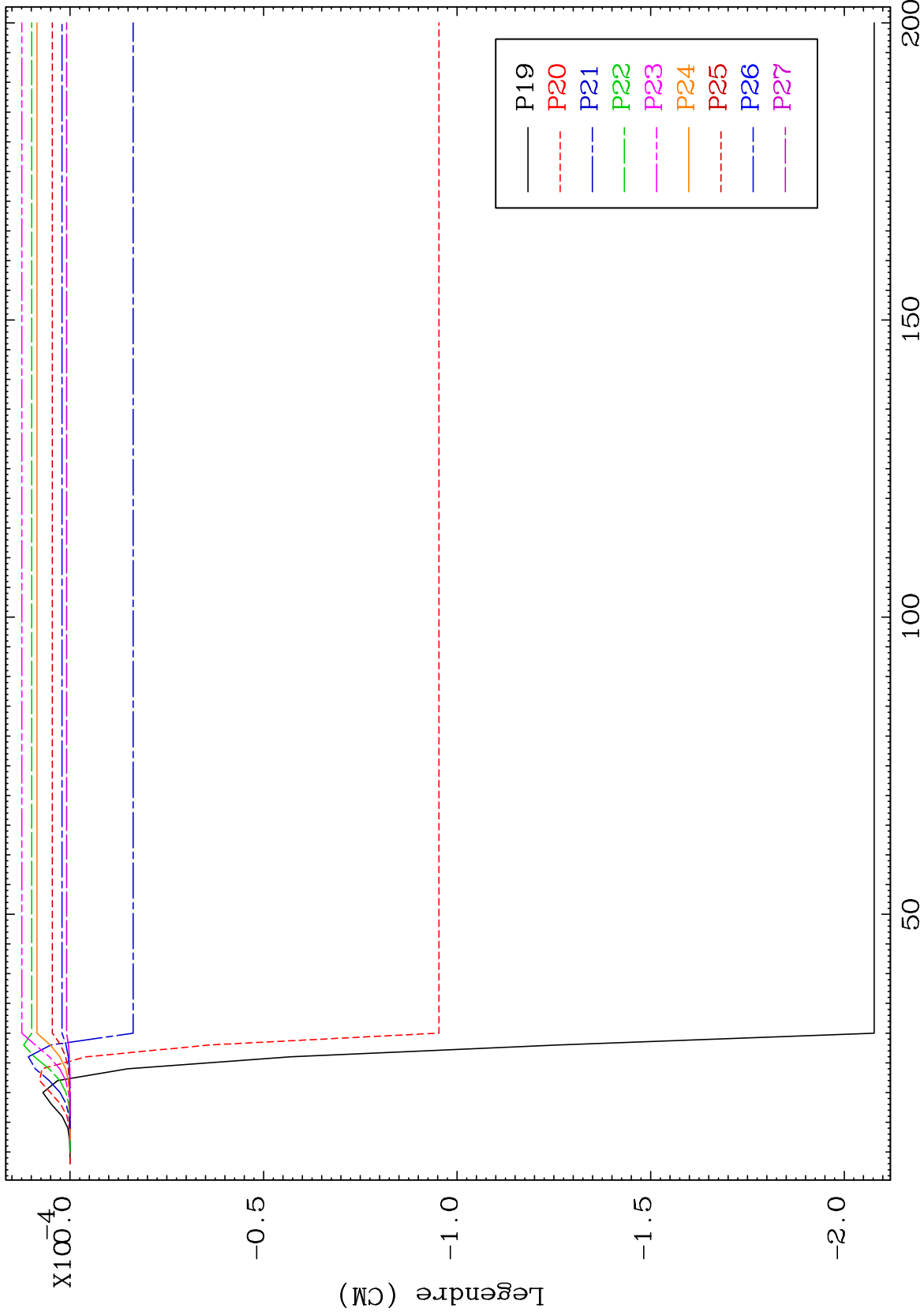
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



56

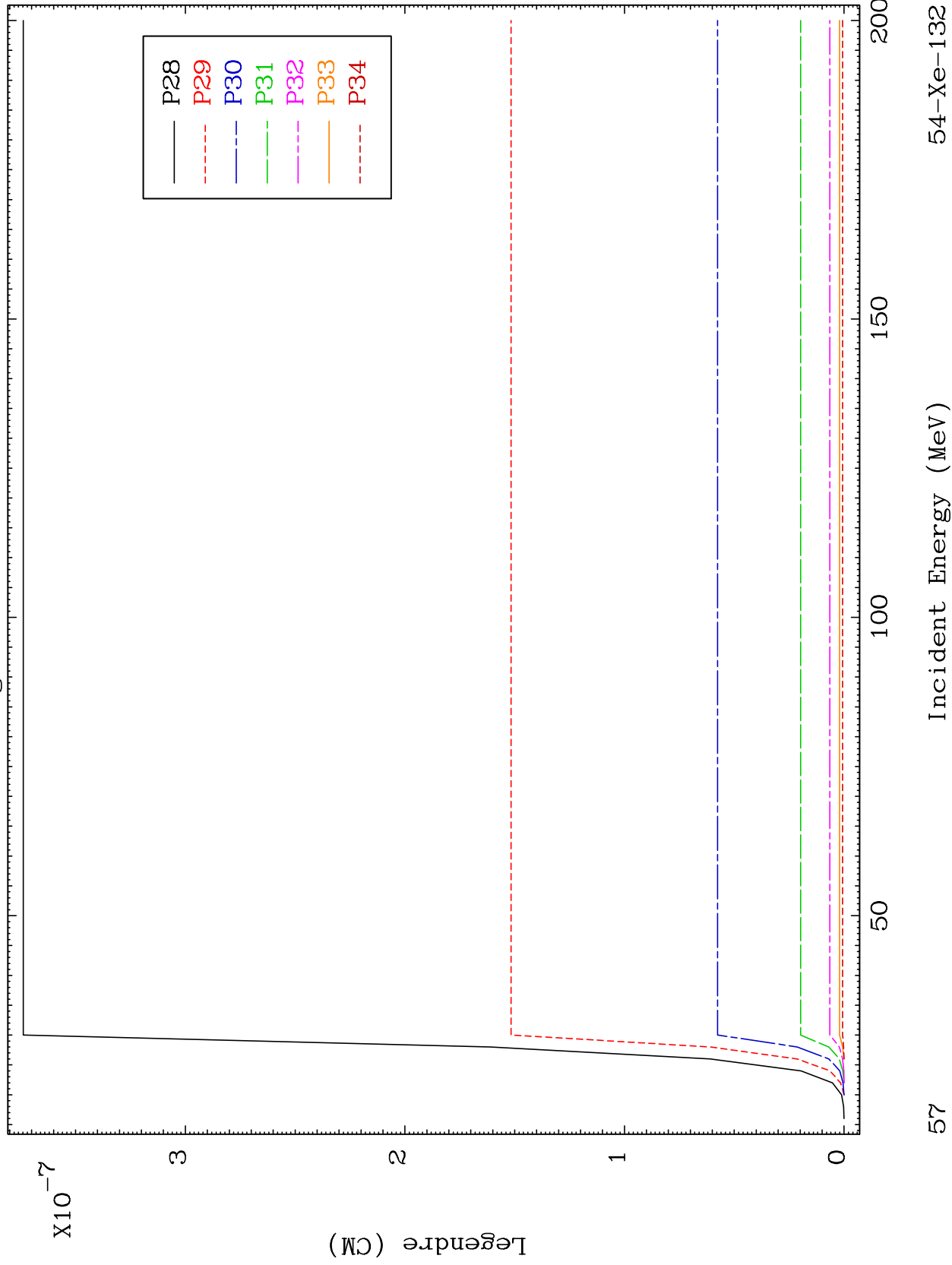
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

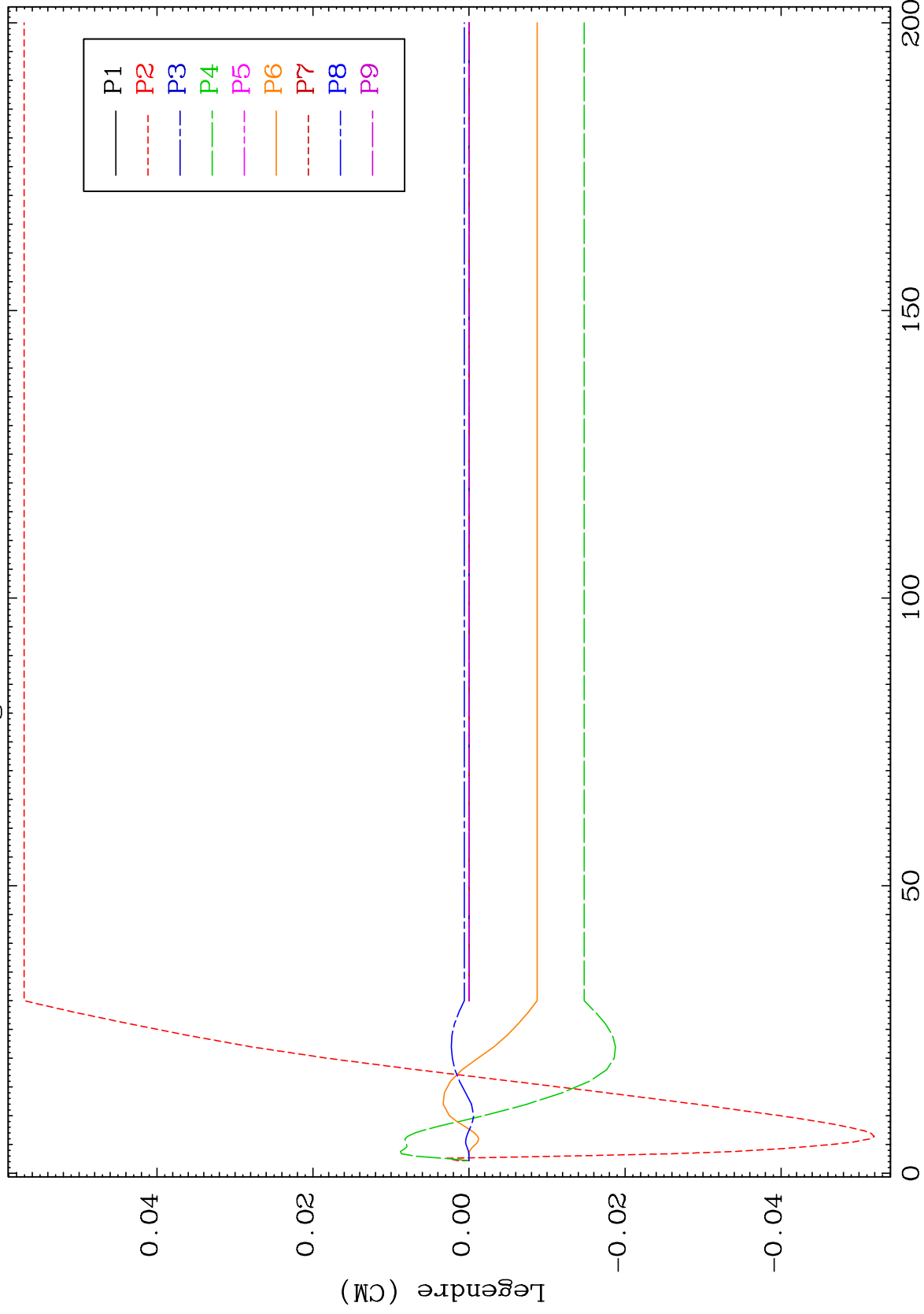
54-Xe-132



MAT 5449

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

54-Xe-132



58

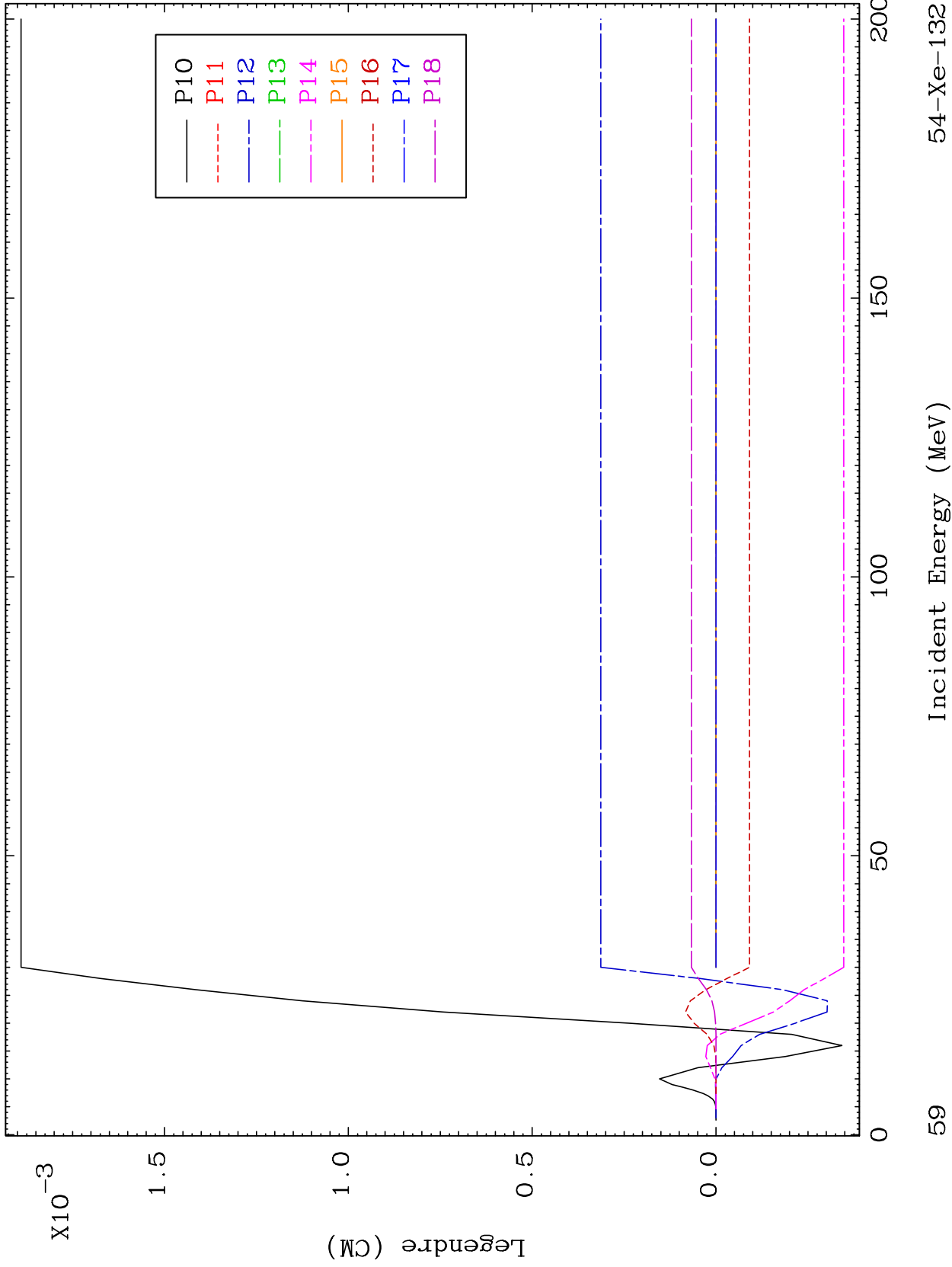
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



59

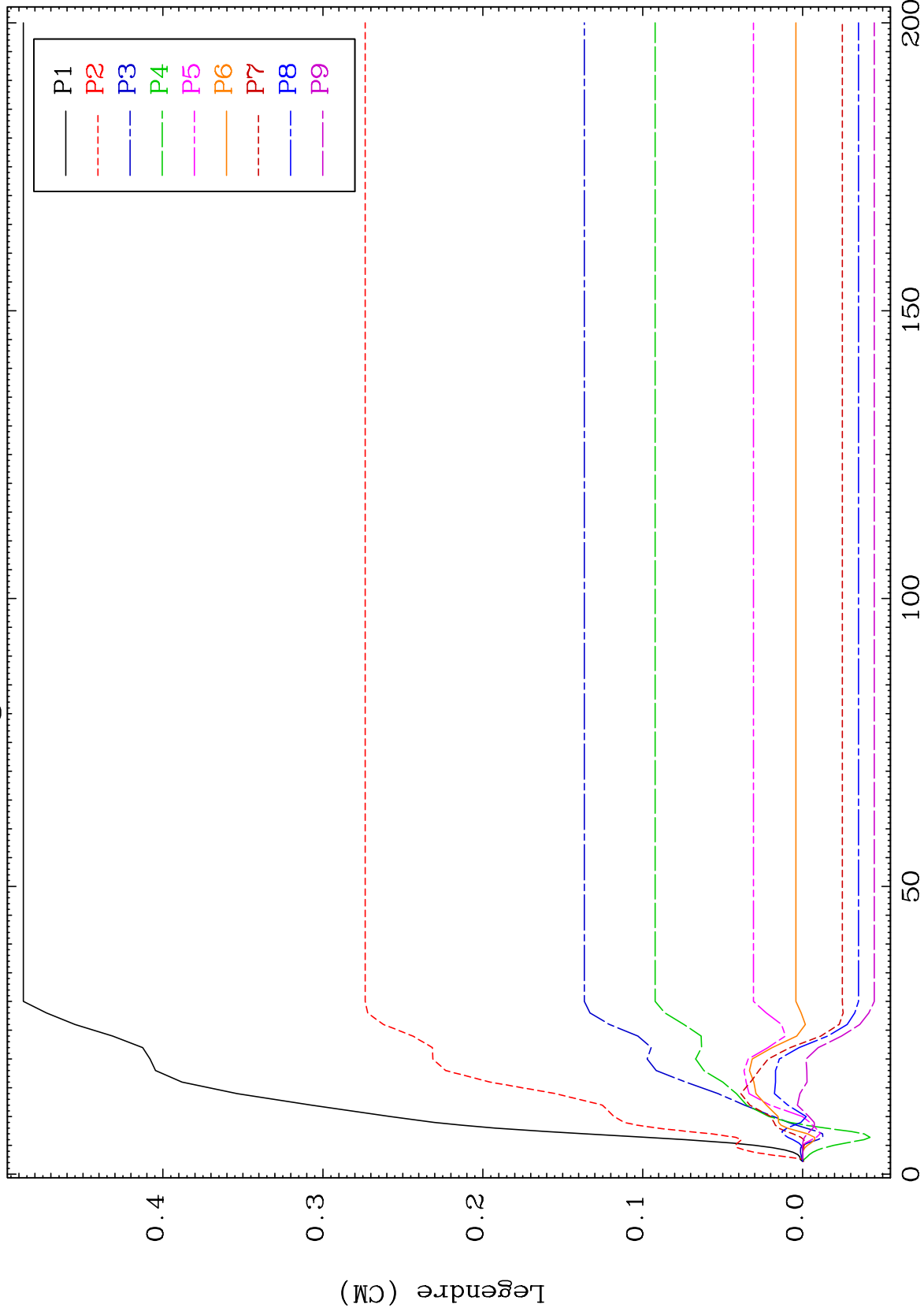
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



61

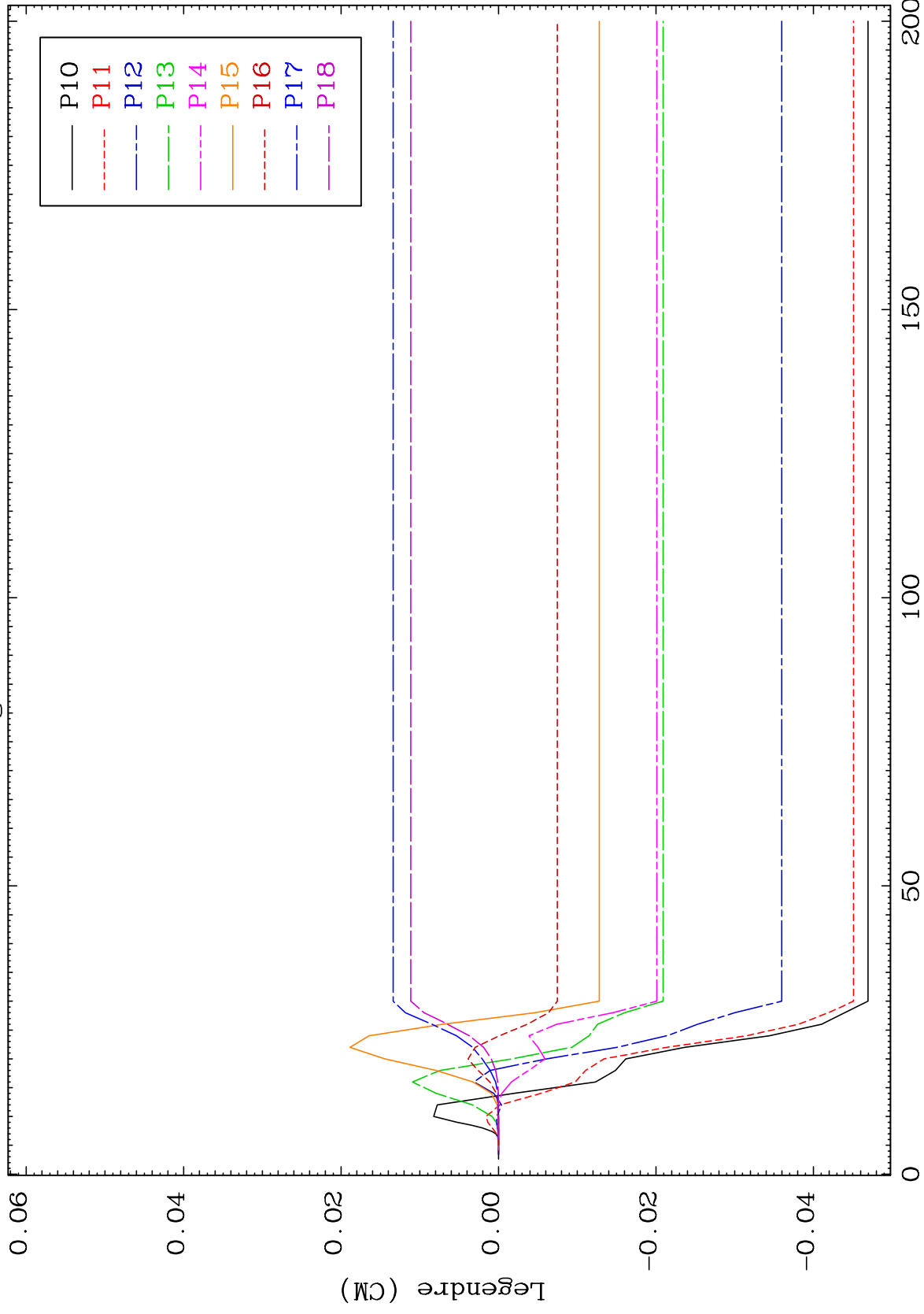
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



62

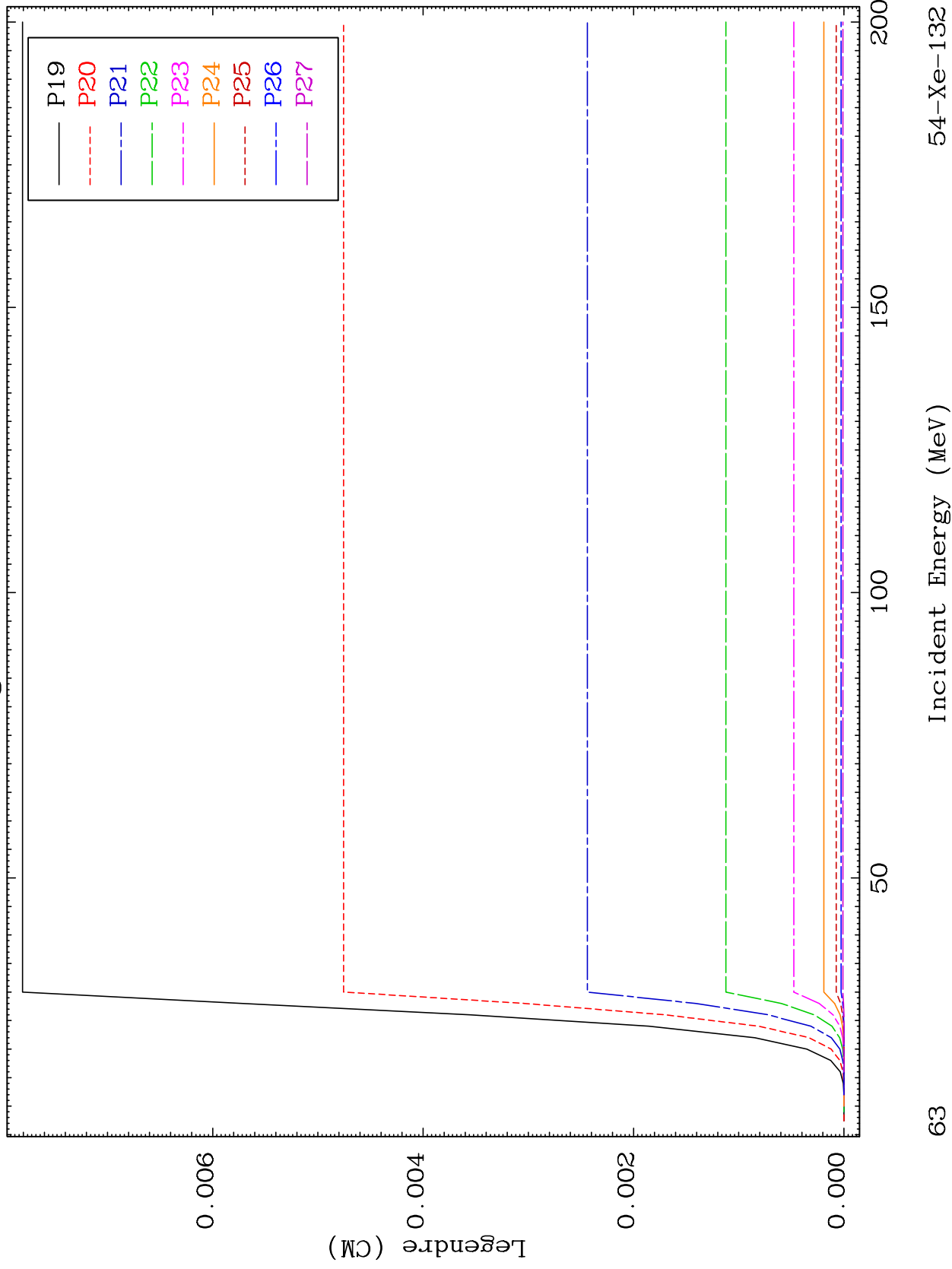
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



63

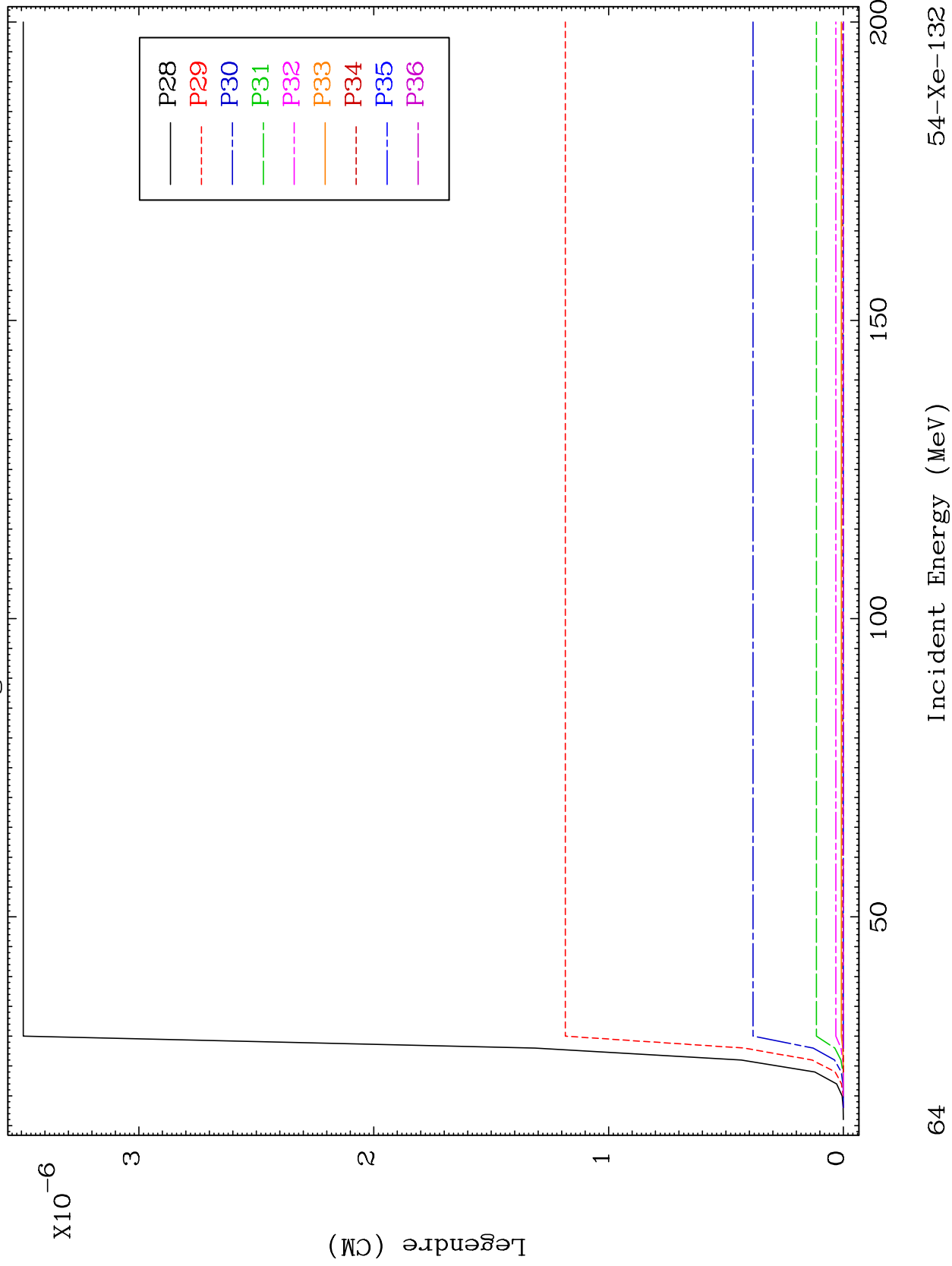
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



64

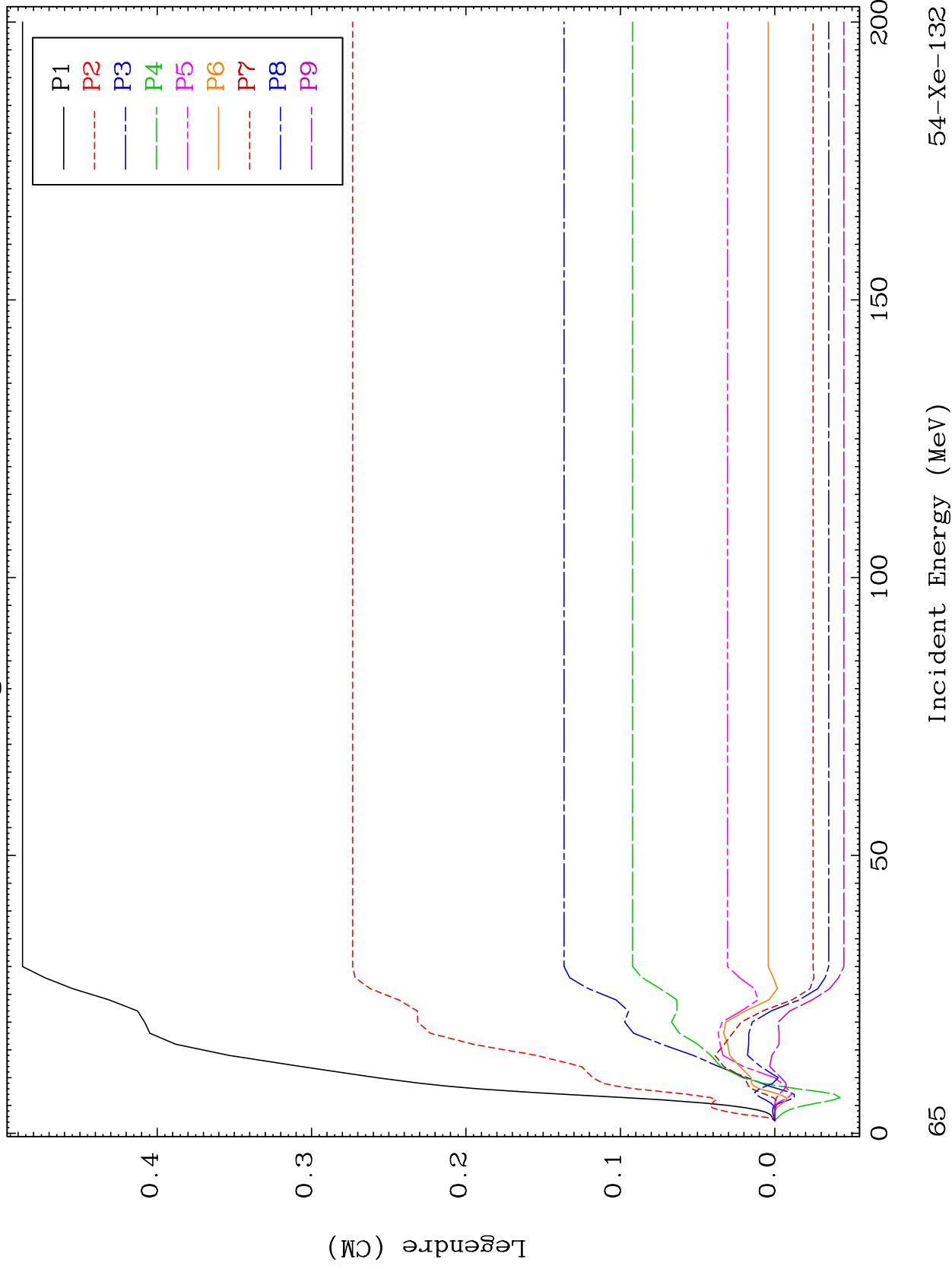
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

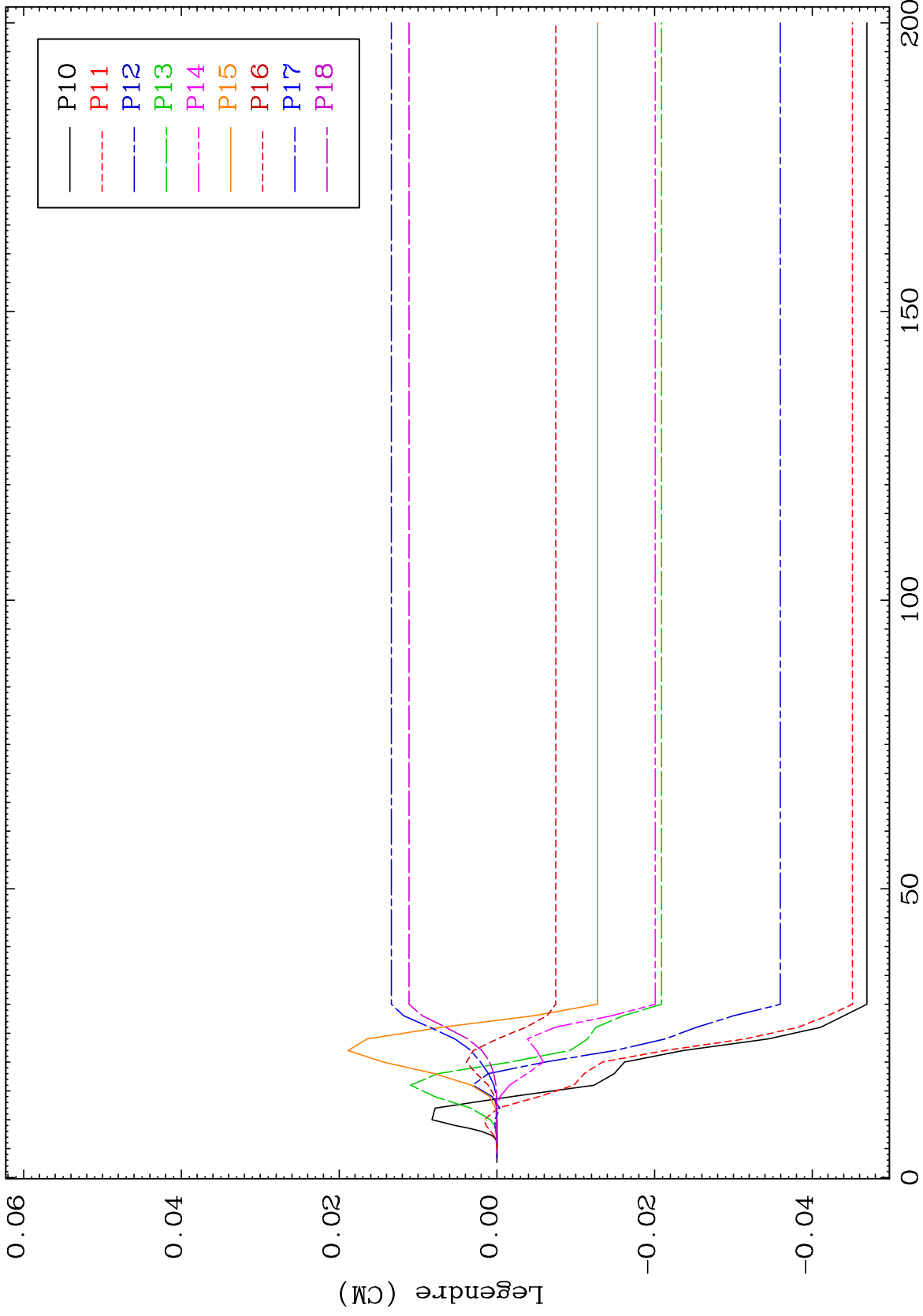
Incident Energy (MeV)

65

MAT 5449

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

54-Xe-132



66

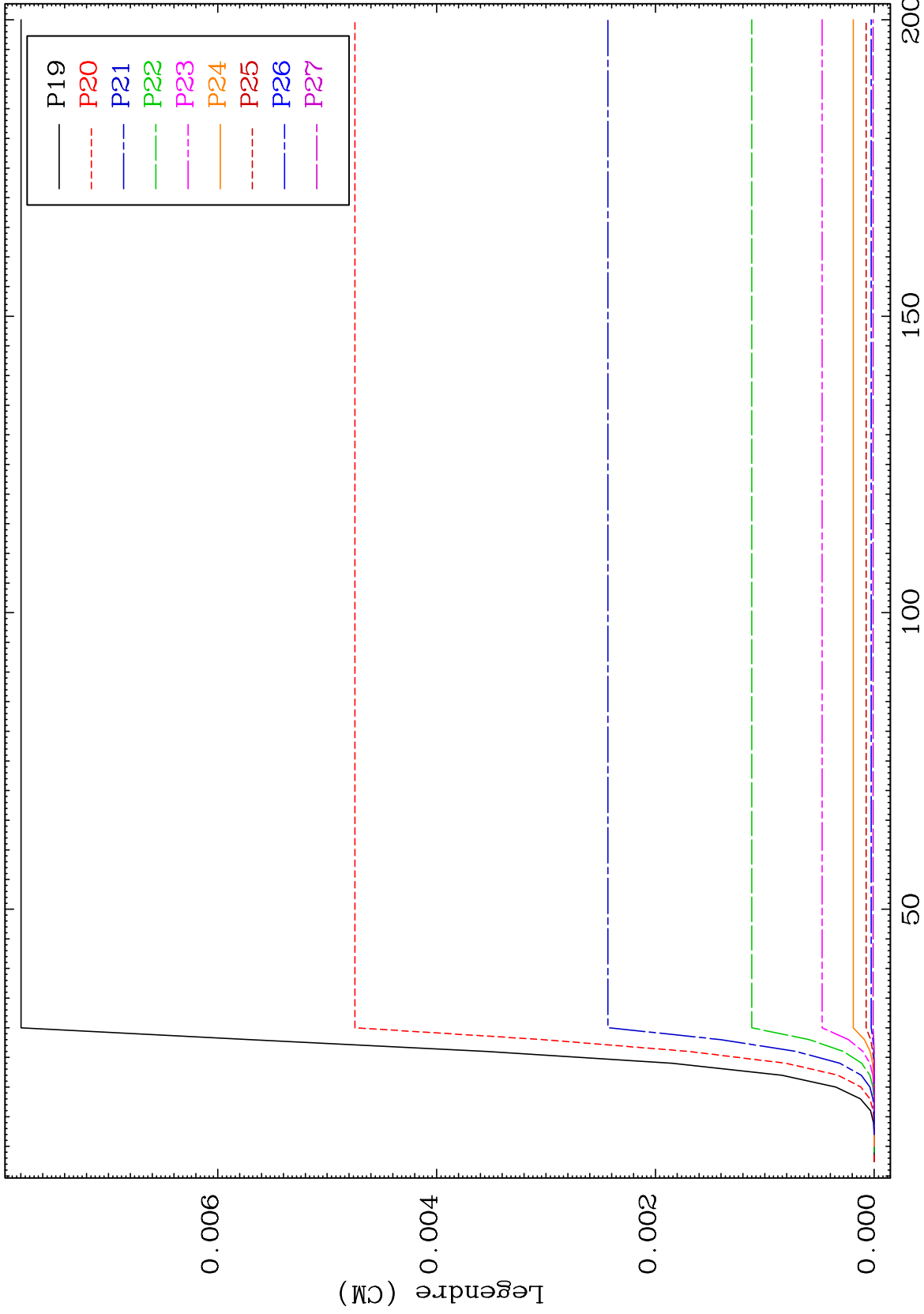
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



67

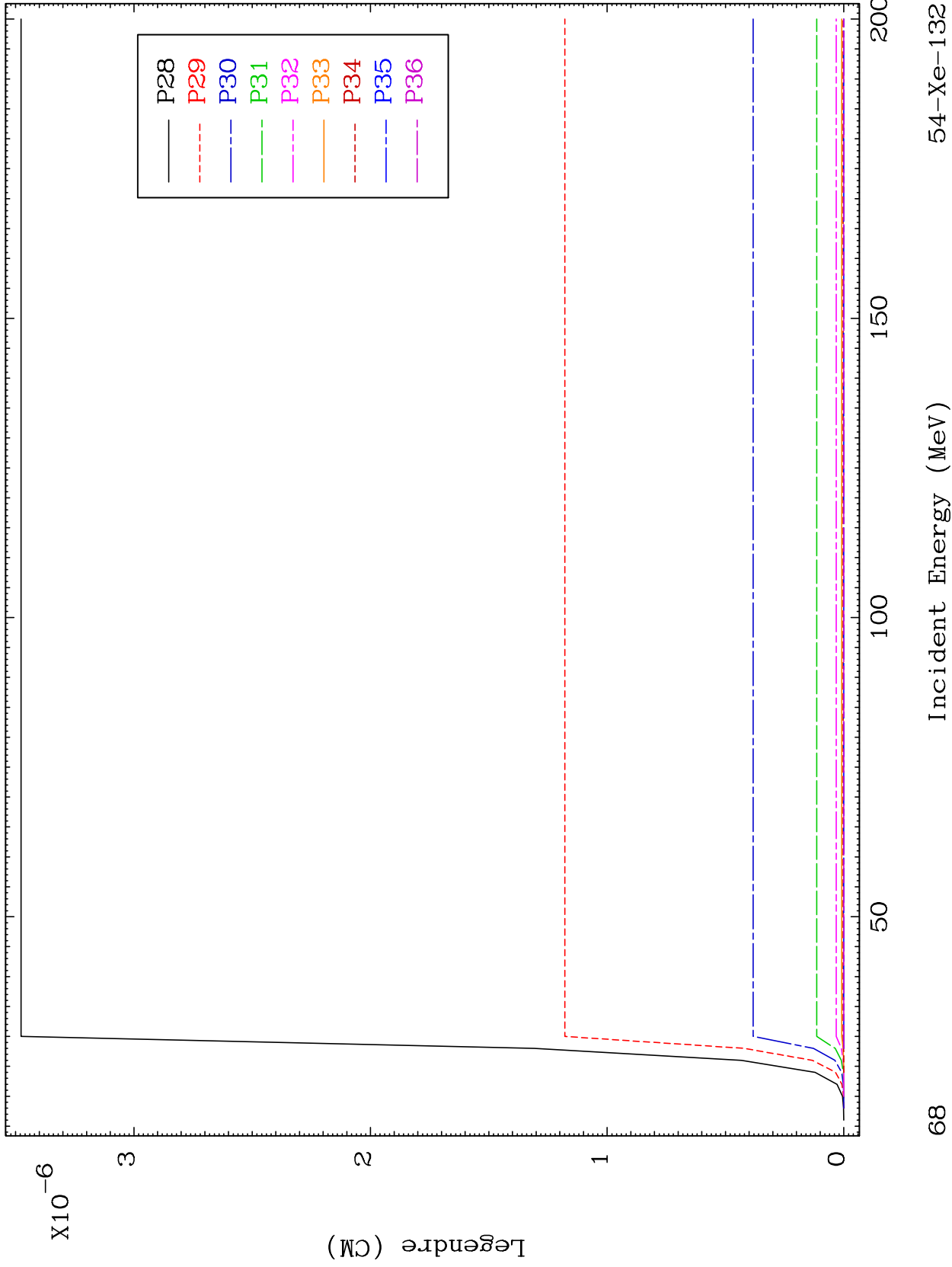
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

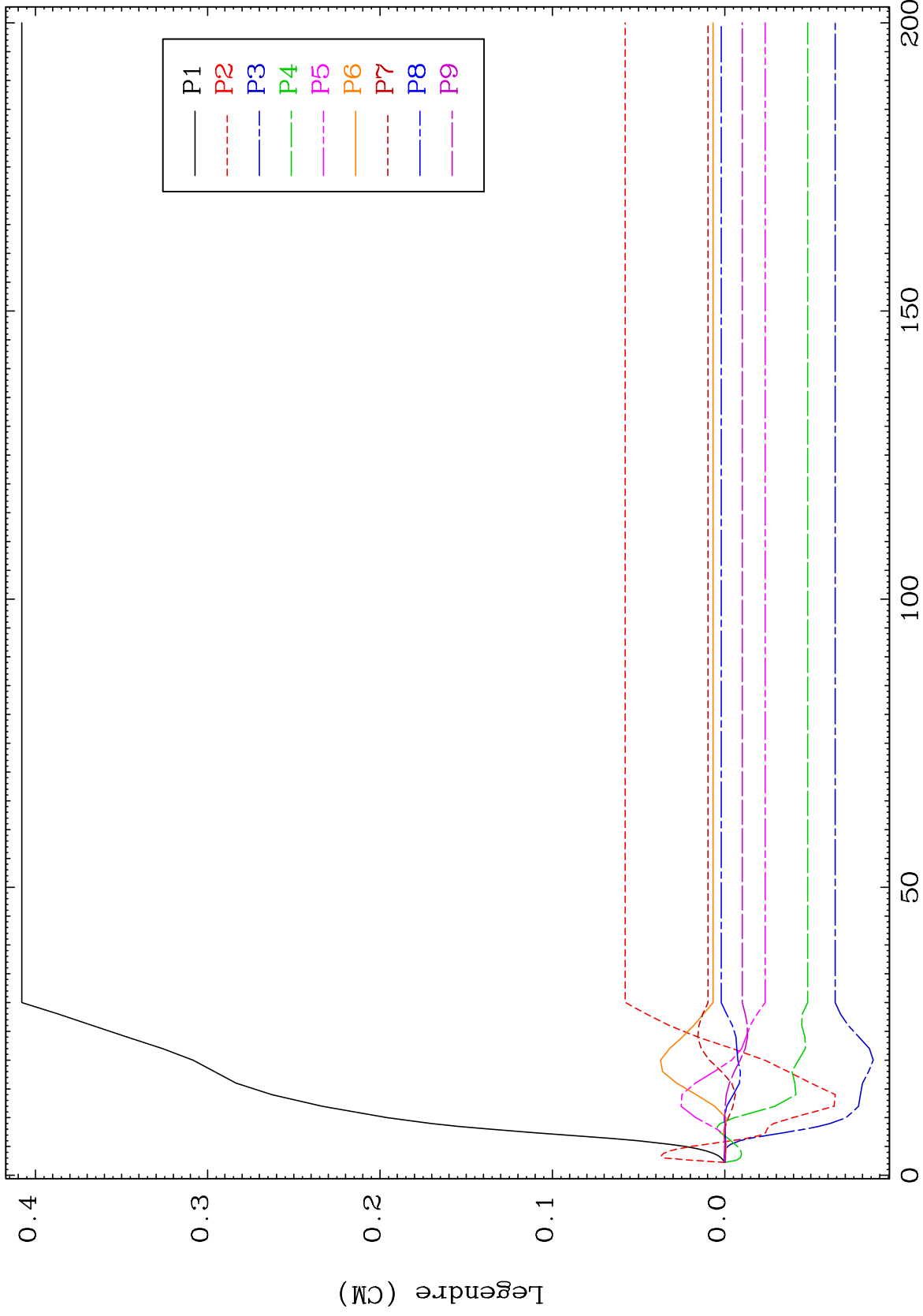
54-Xe-132



MAT 5449

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

54-Xe-132



69

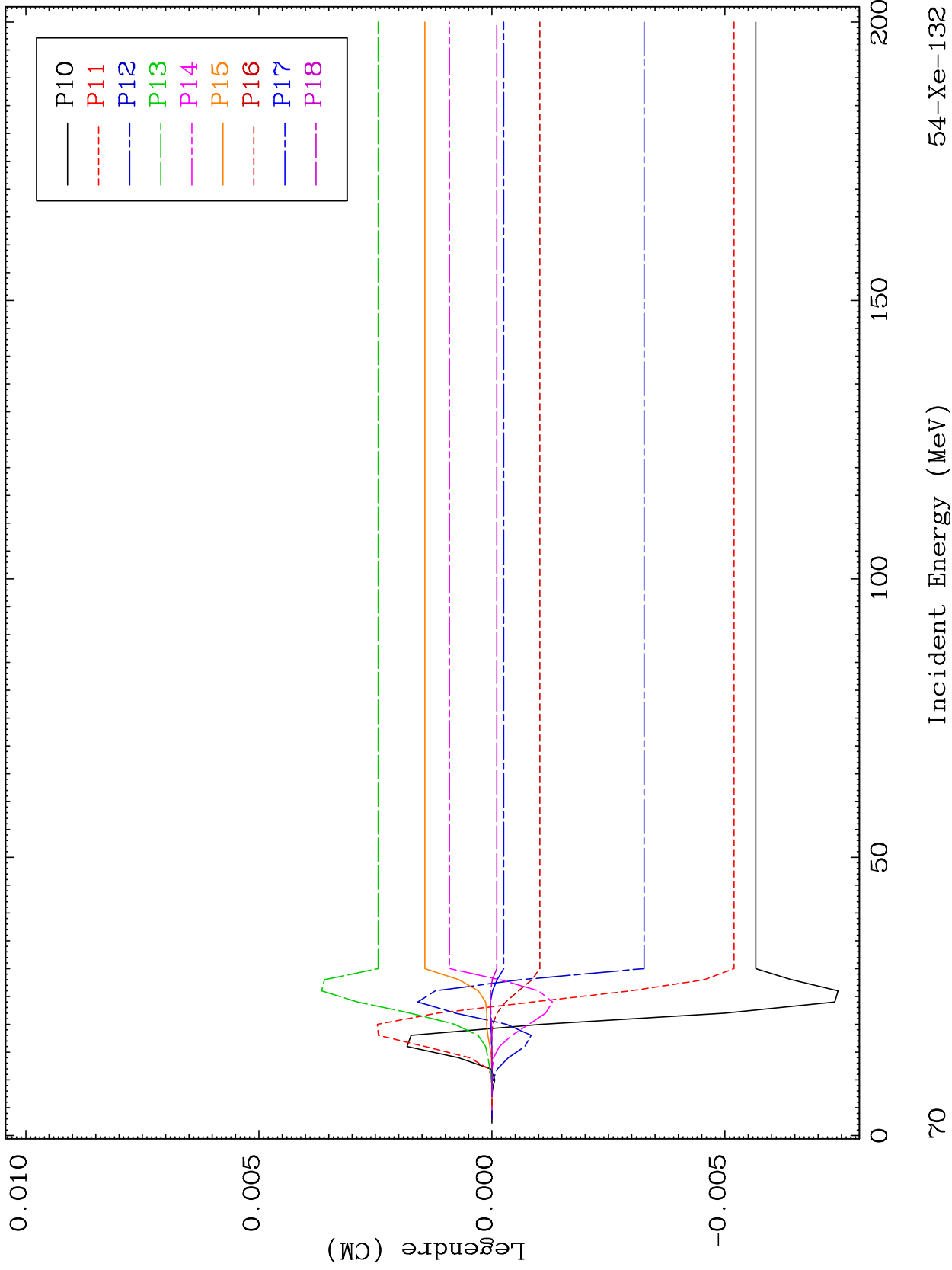
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

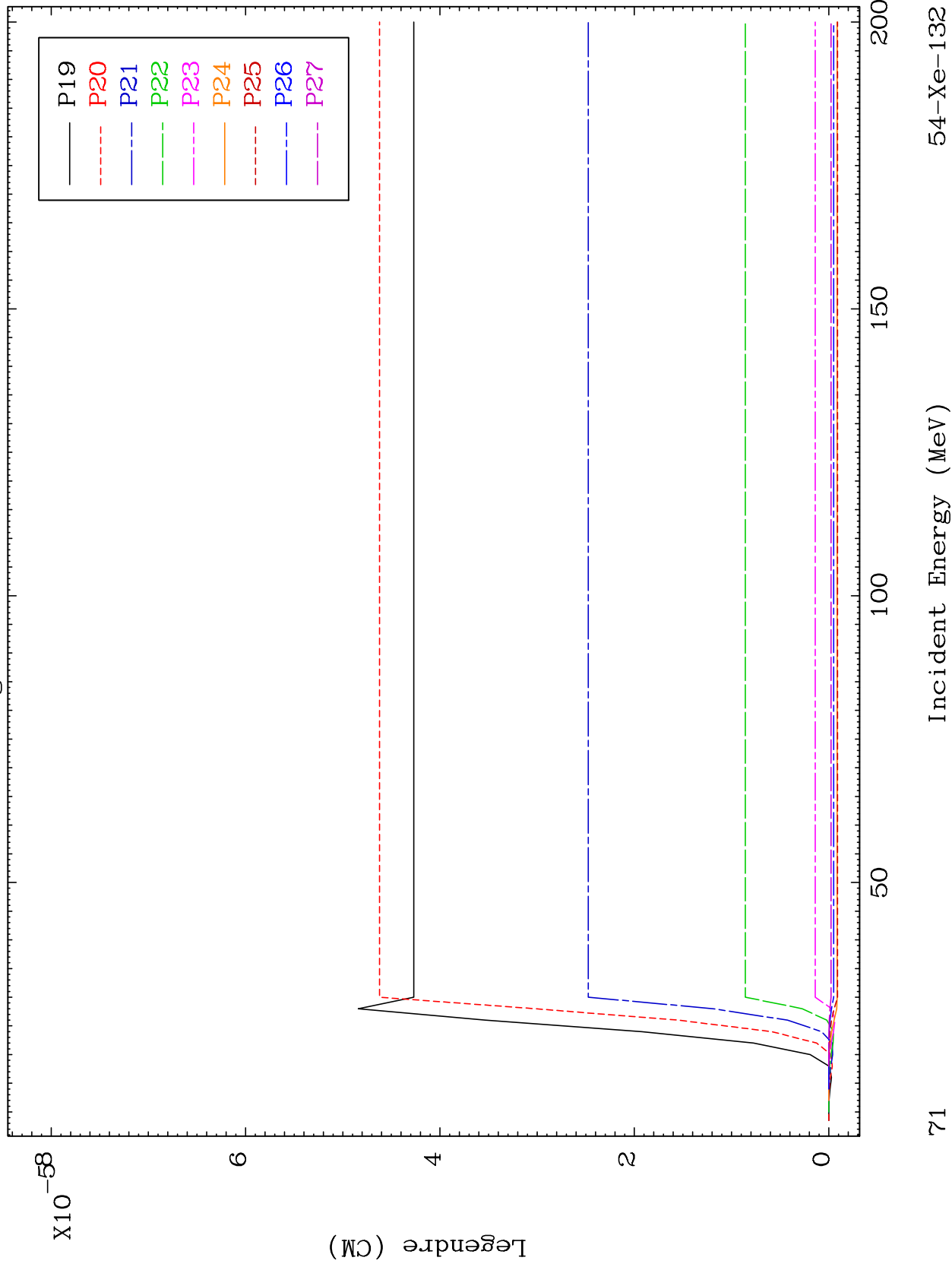
Incident Energy (MeV)

70

MAT 5449

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

54-Xe-132



71

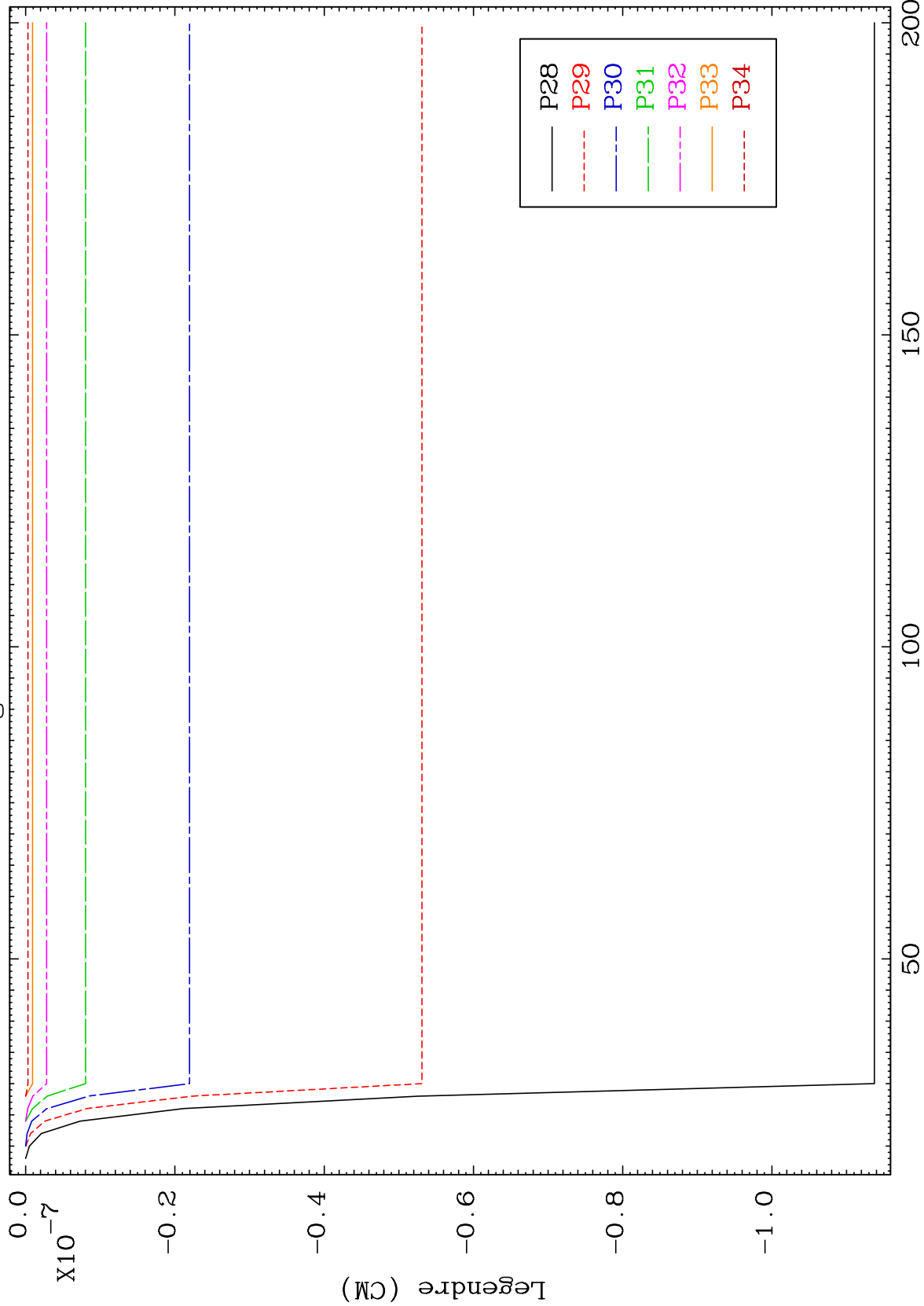
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



72

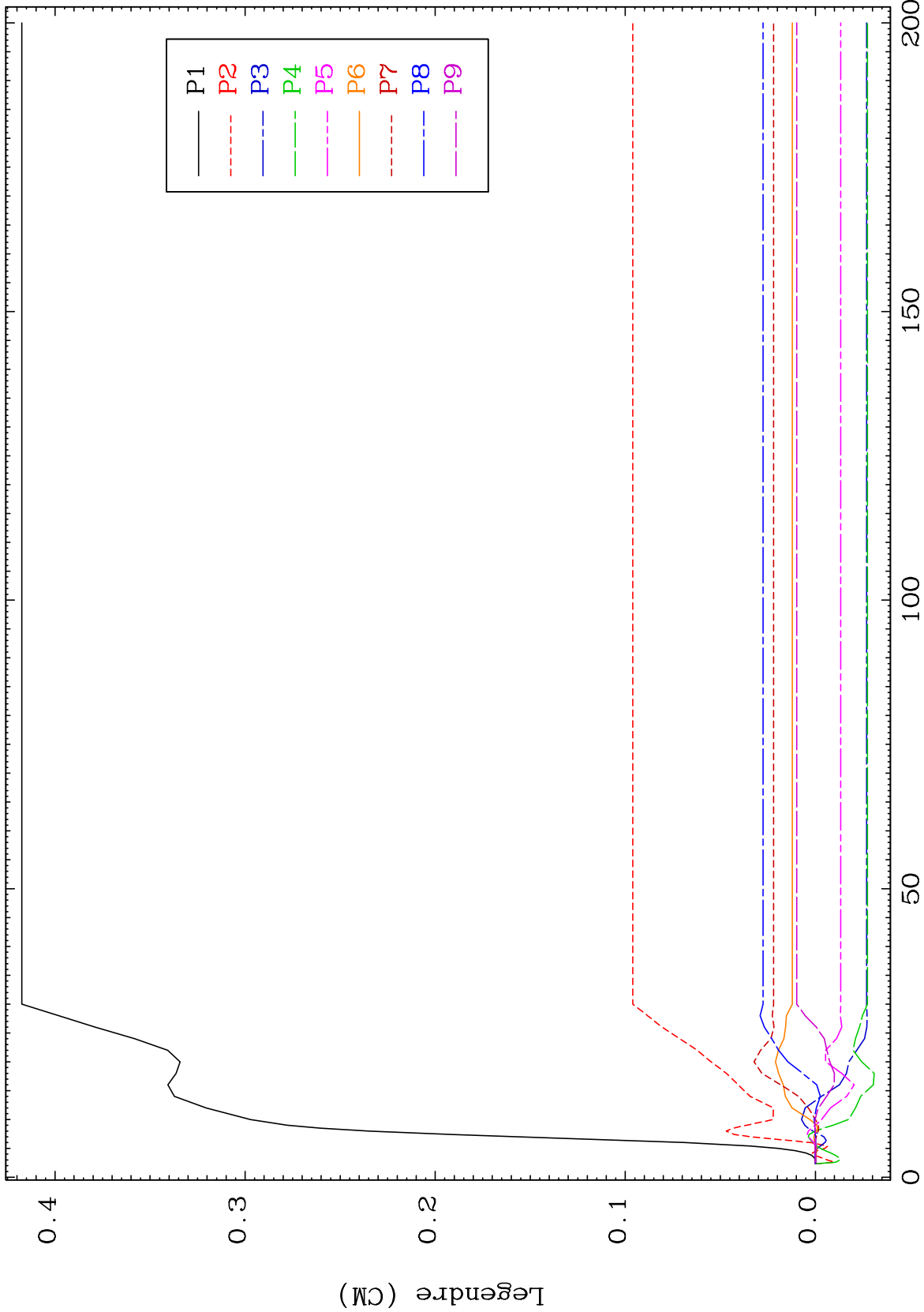
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



73

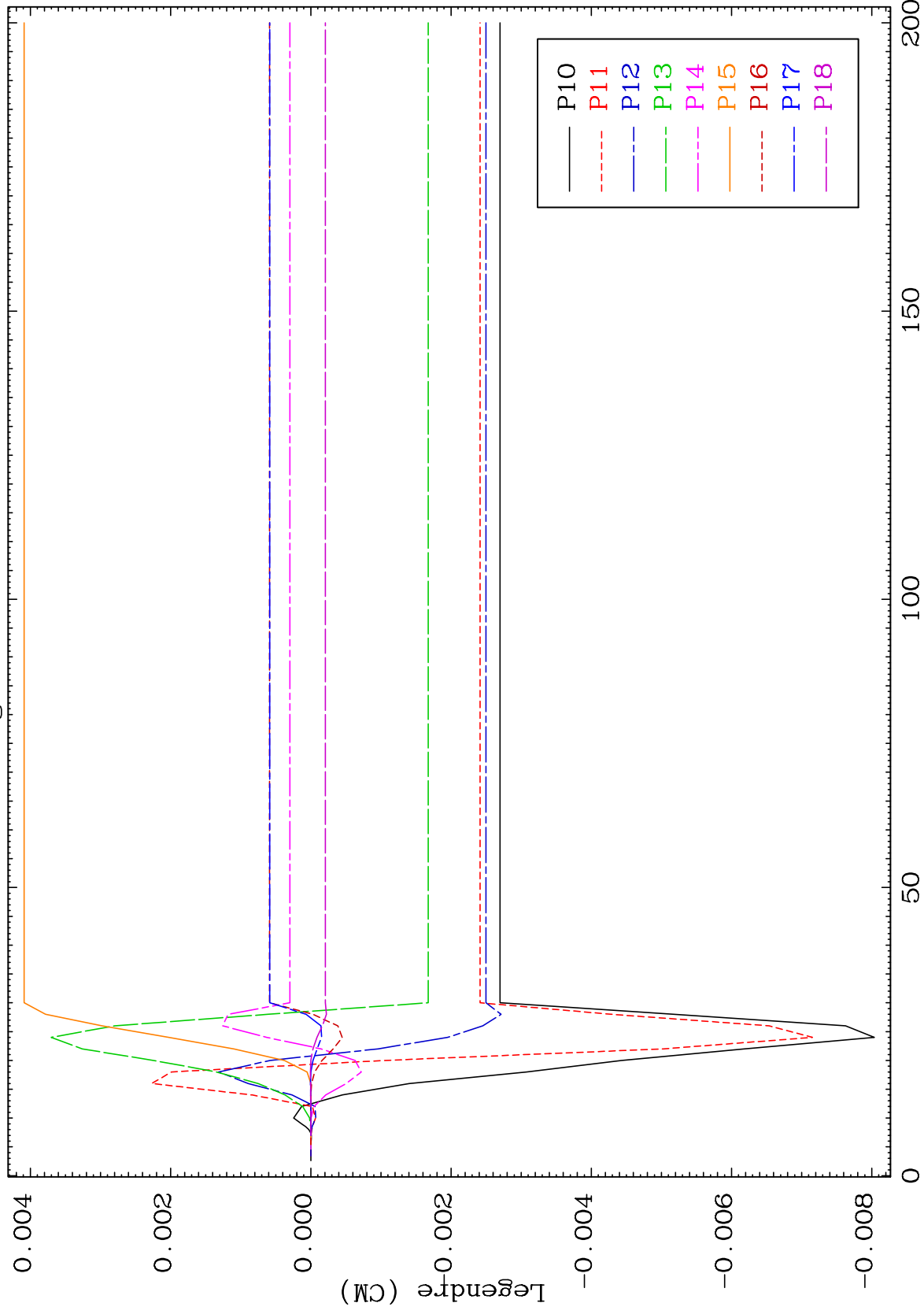
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



74

Incident Energy (MeV)

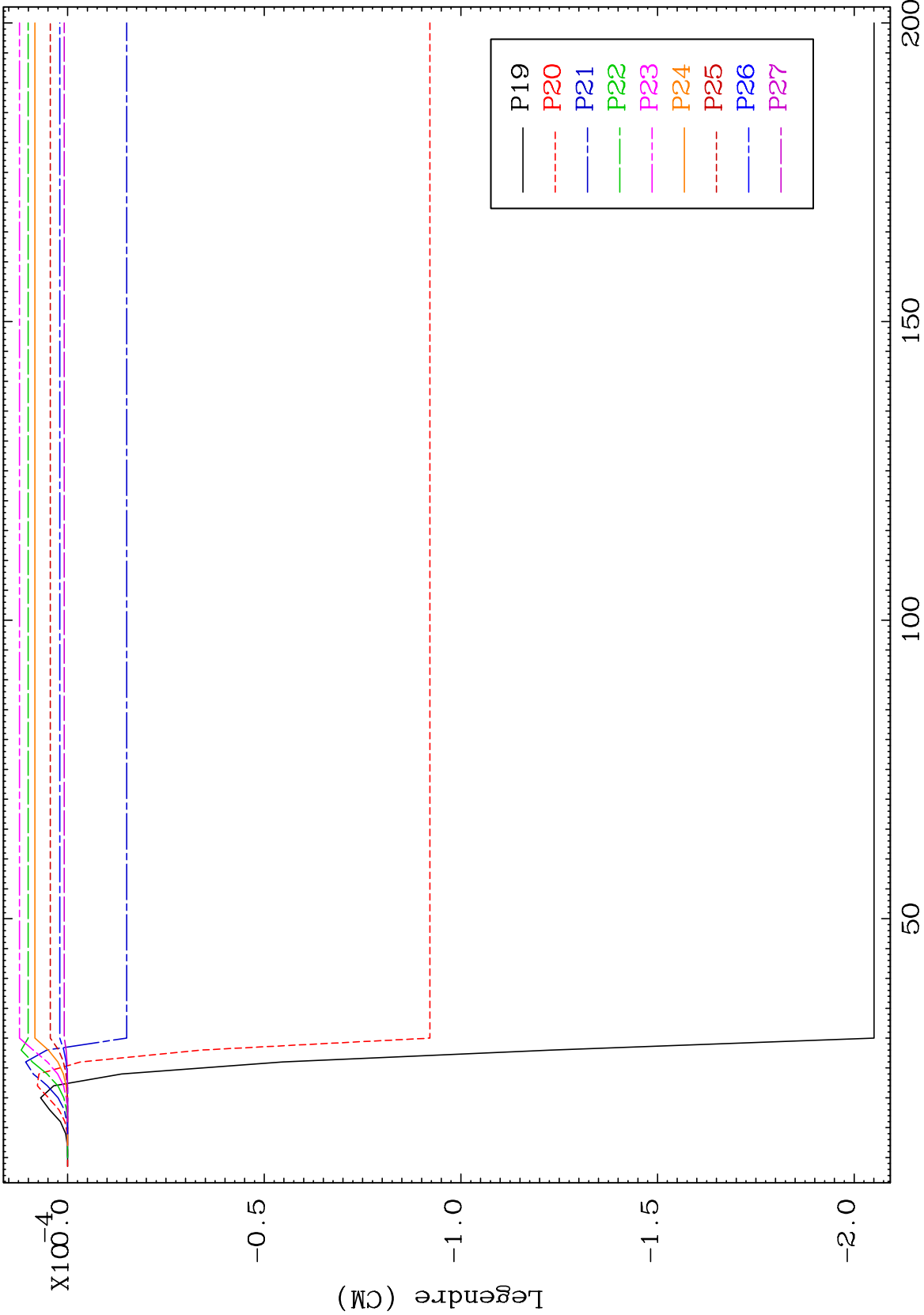
54-Xe-132

MAT 5449

MT= 65 (n,n') Level

54-Xe-132

Legendre Coefficients



54-Xe-132

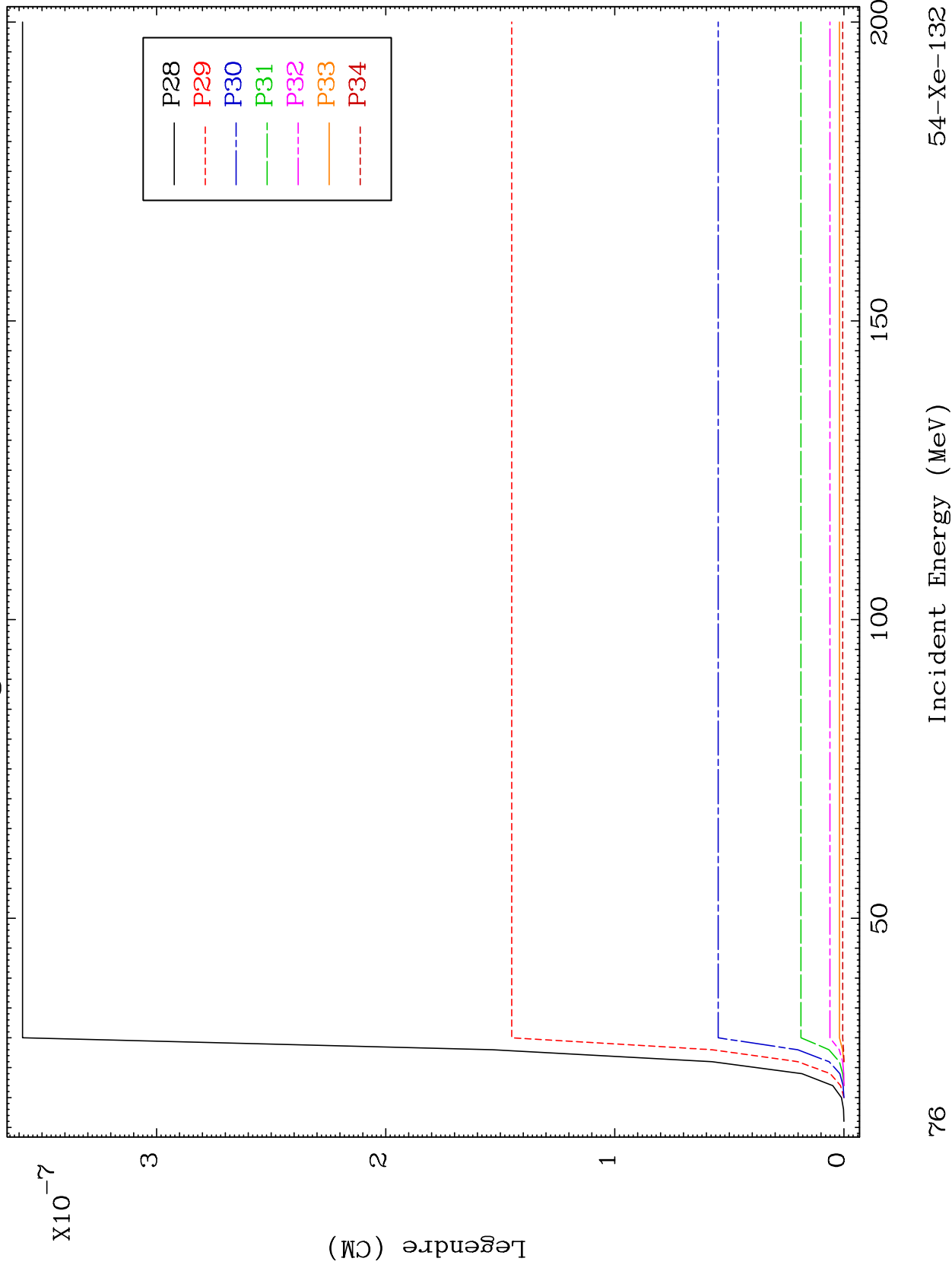
Incident Energy (MeV)

75

MAT 5449

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

54-Xe-132



76

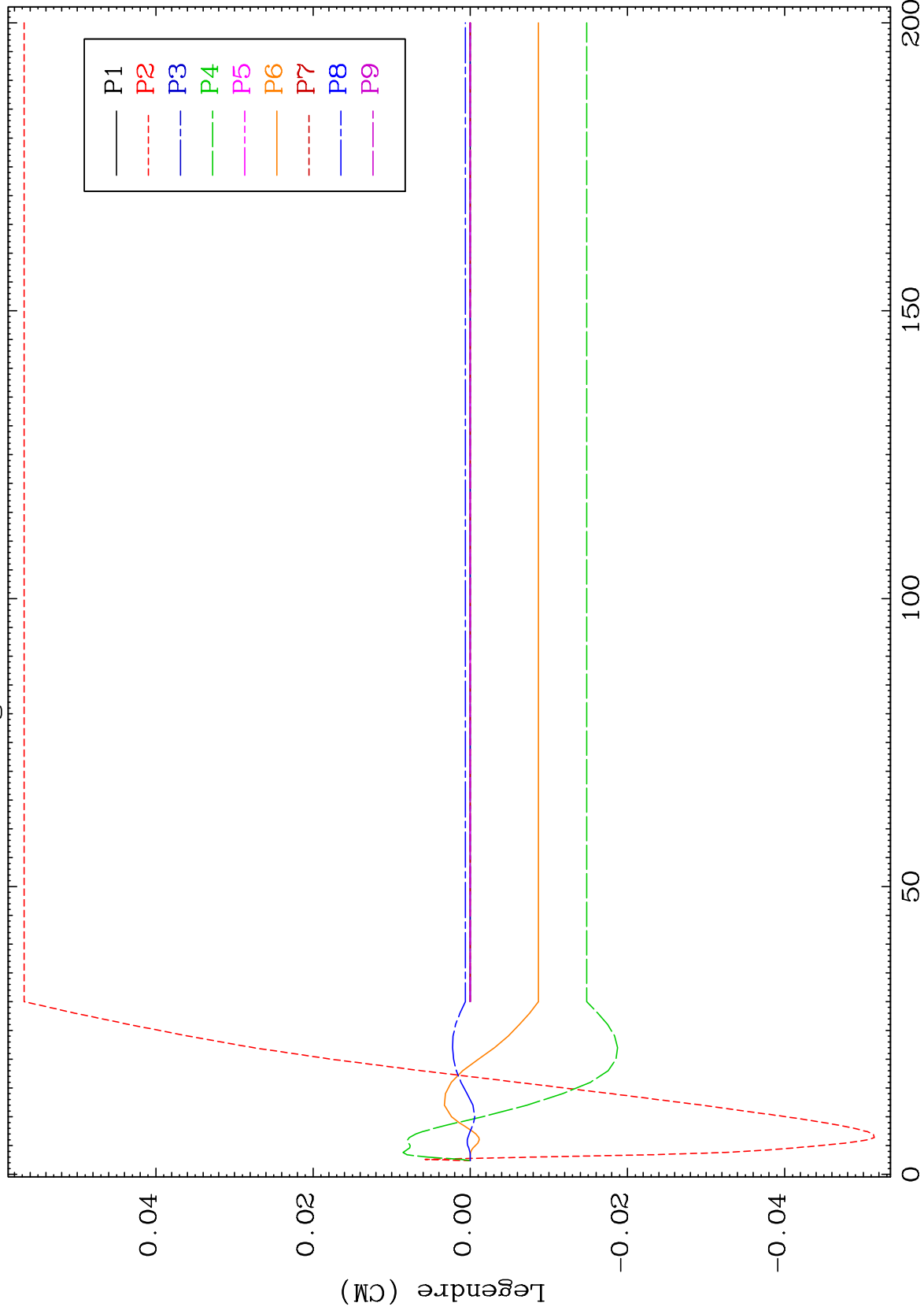
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



77

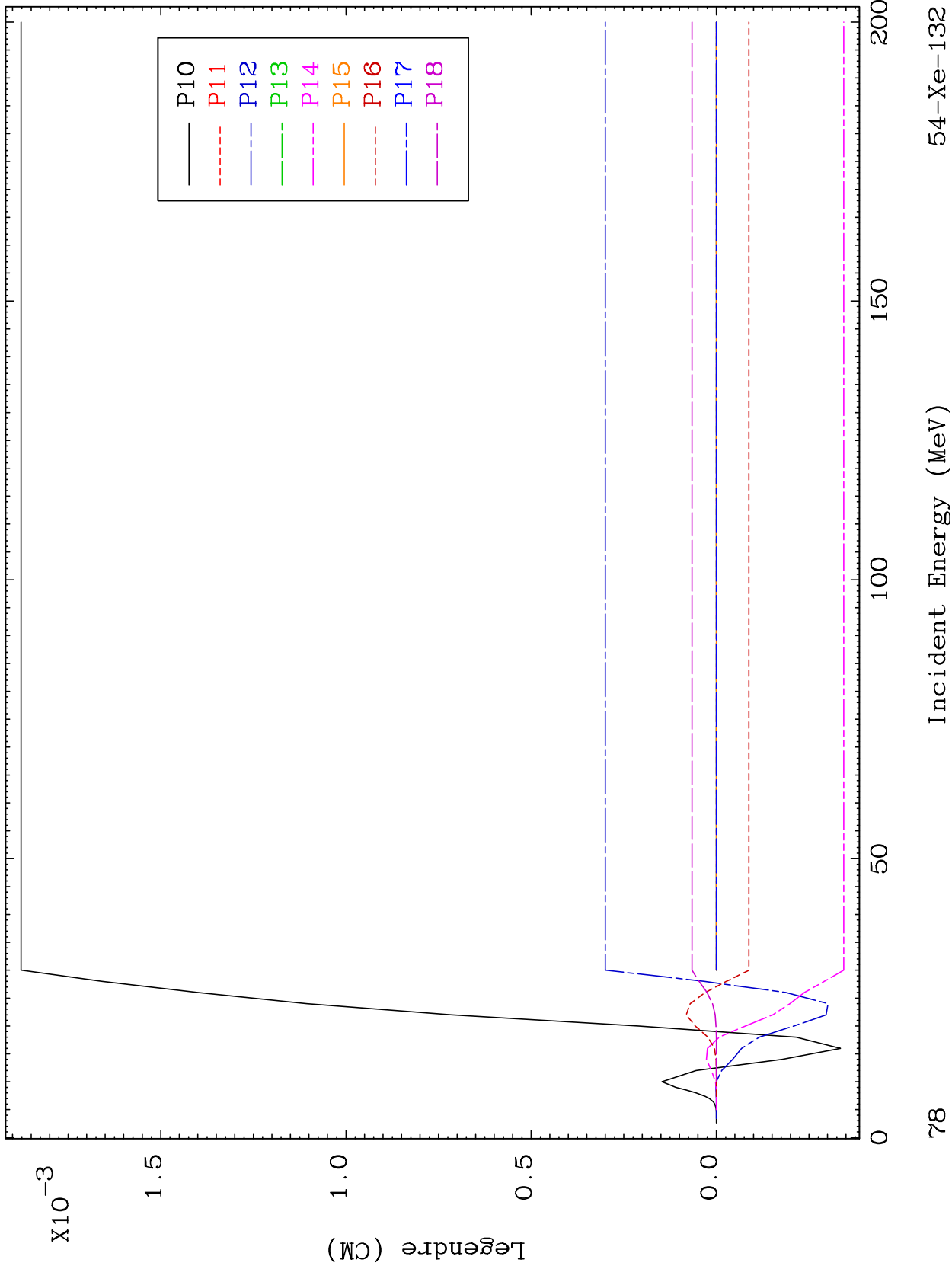
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



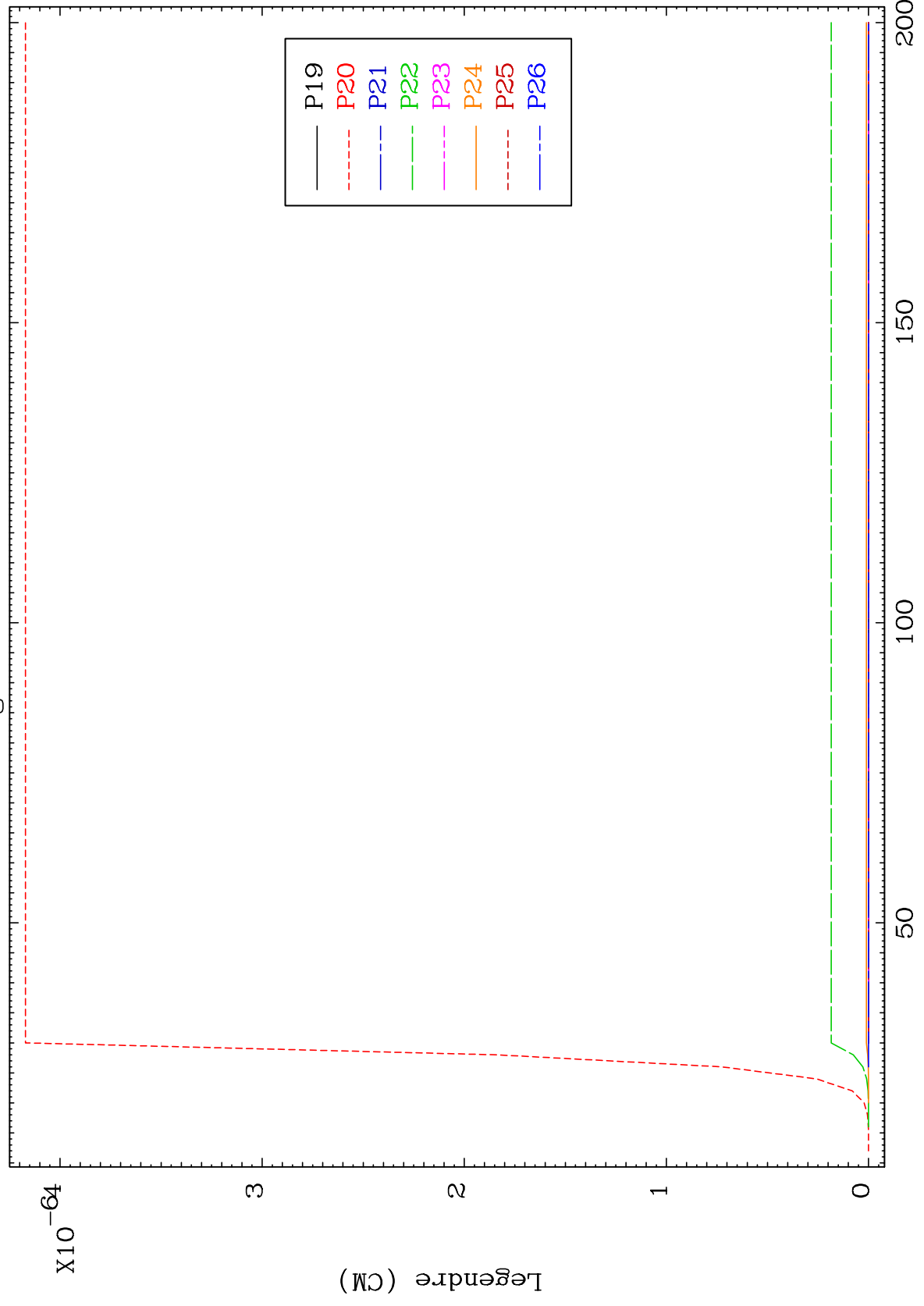
78

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

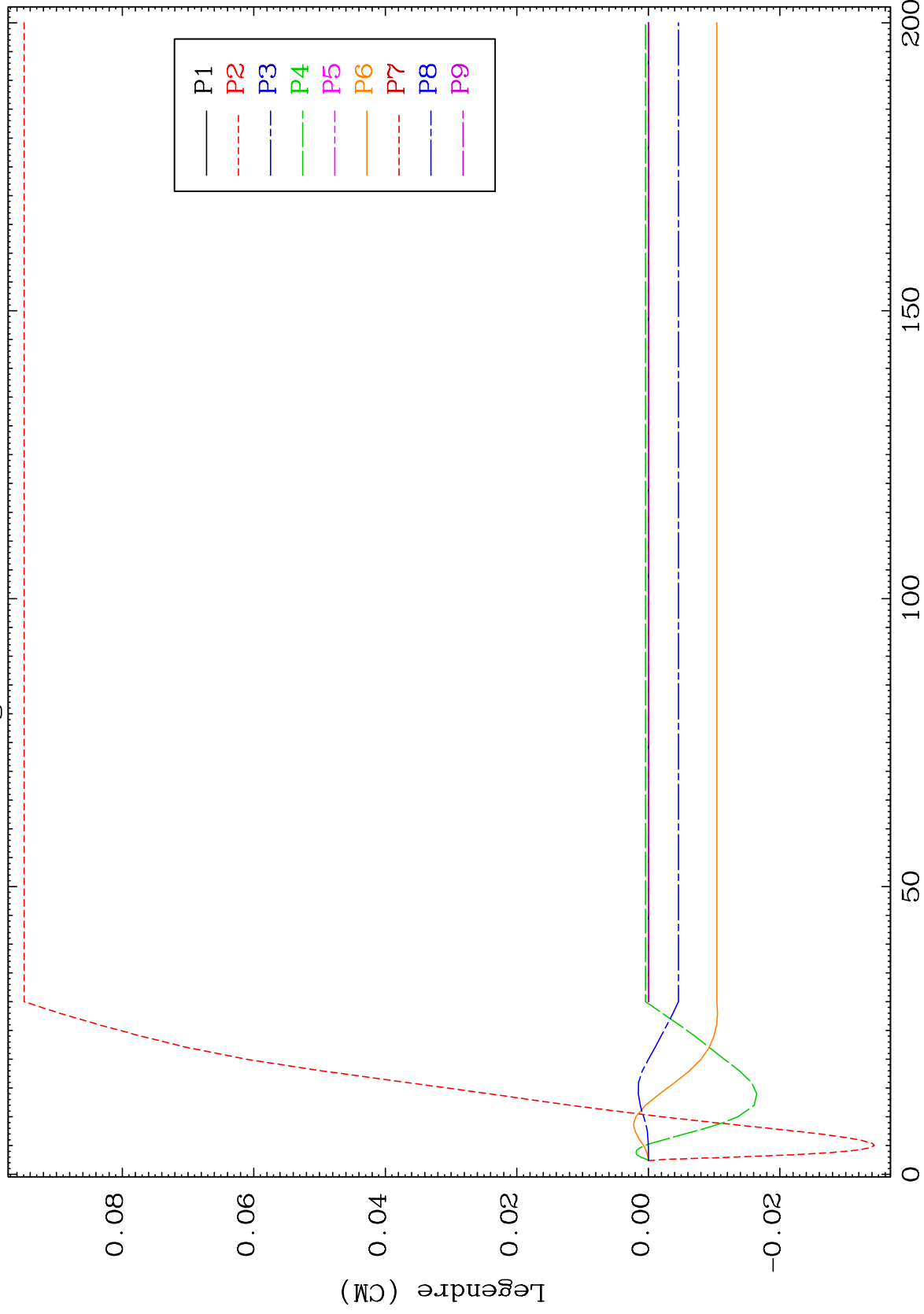
Incident Energy (MeV)

79

MAT 5449

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

54-Xe-132



80

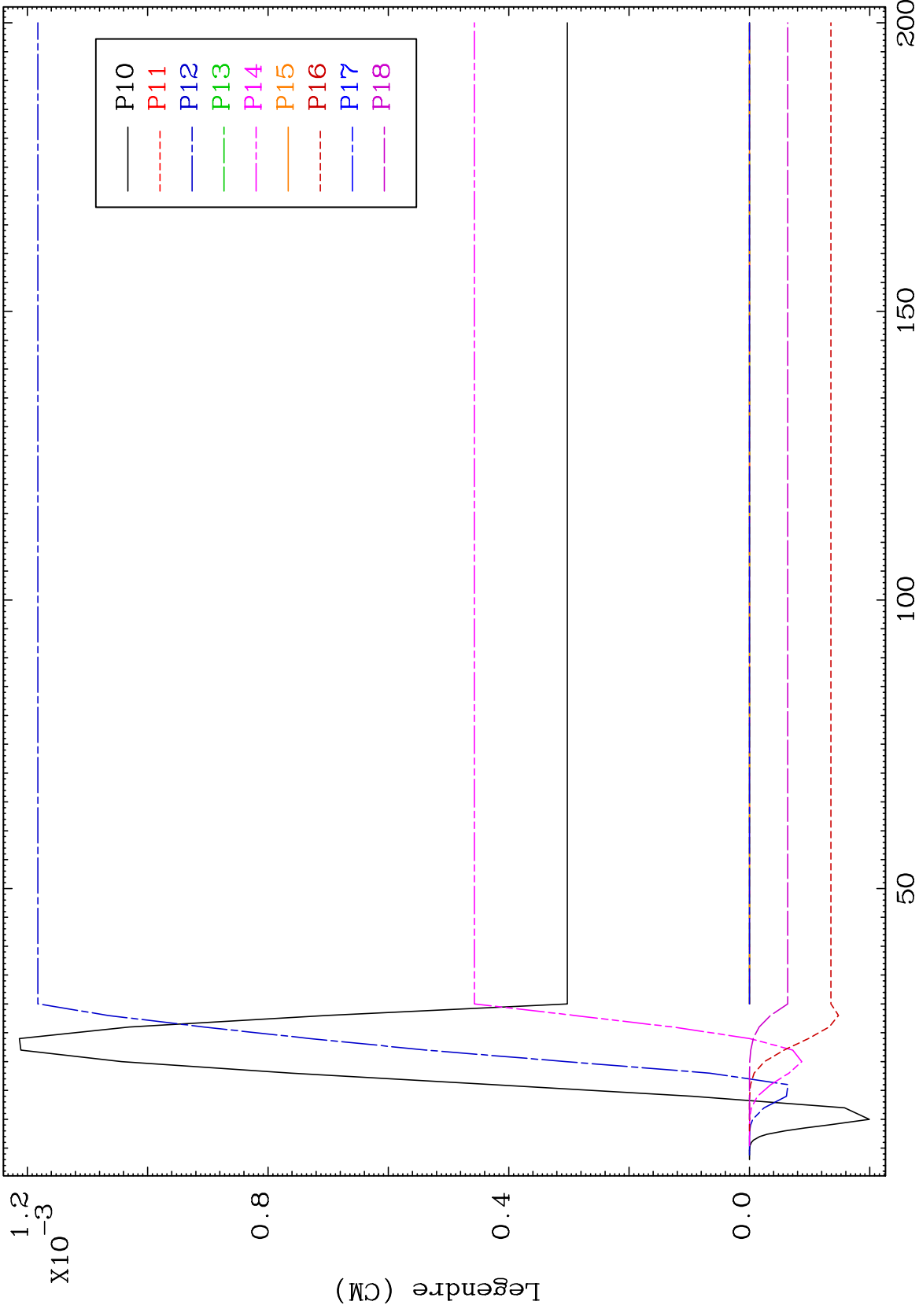
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



81

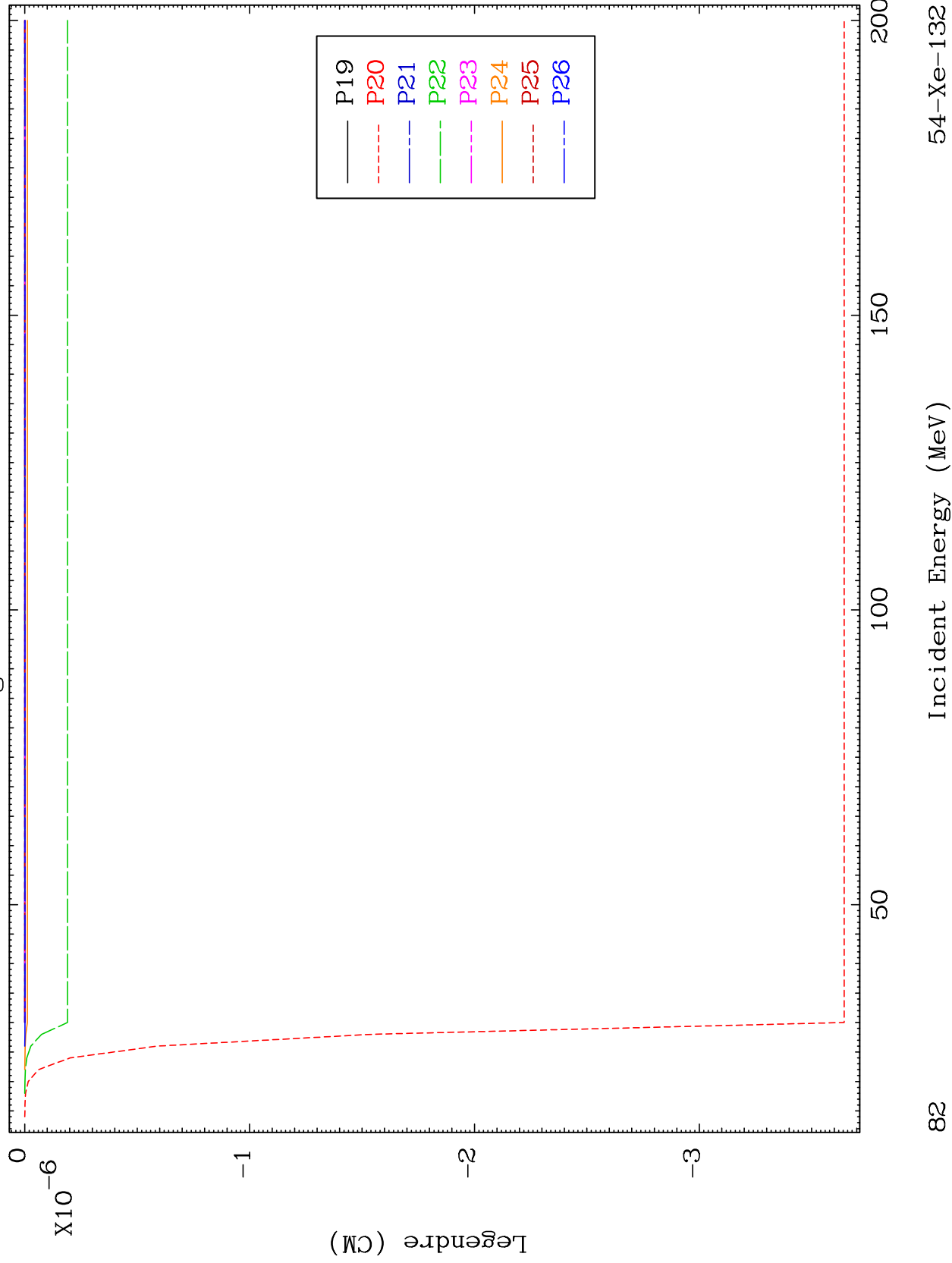
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



82

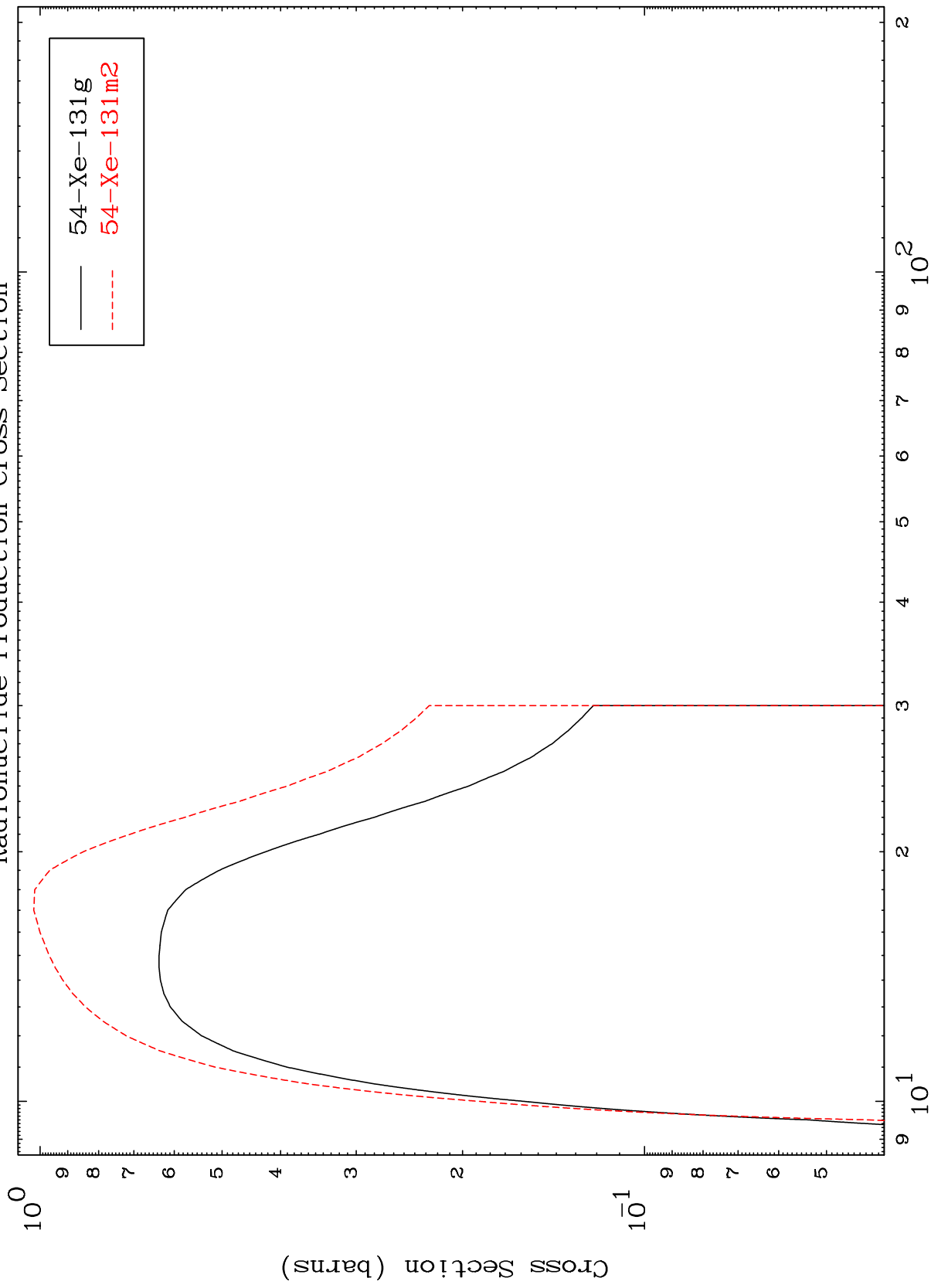
Incident Energy (MeV)

54-Xe-132

MAT 5449

54-Xe-132

(n,2n)
Radionuclide Production Cross Section



83

Incident Energy (MeV)

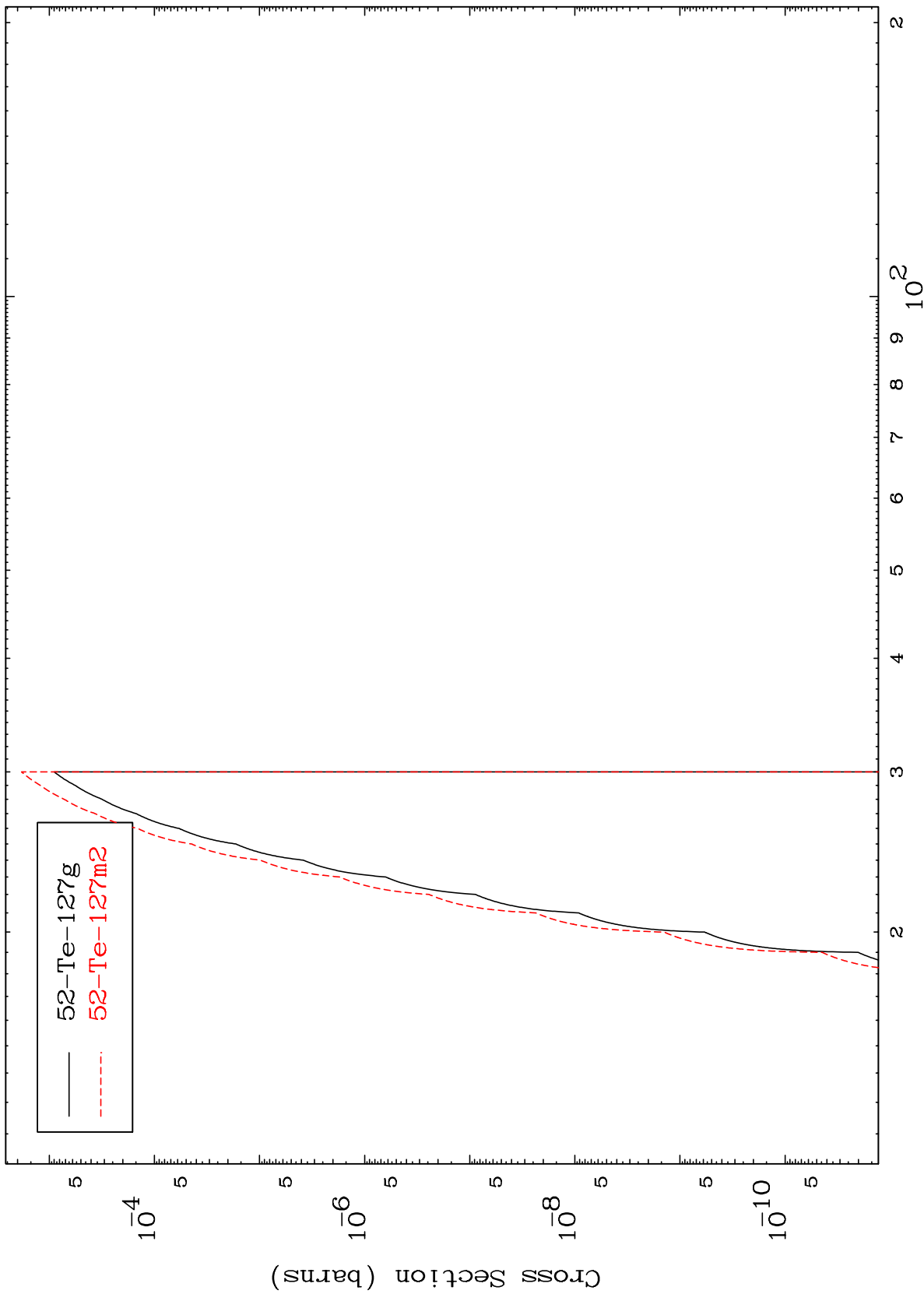
54-Xe-132

MAT 5449

(n,2n) α

54-Xe-132

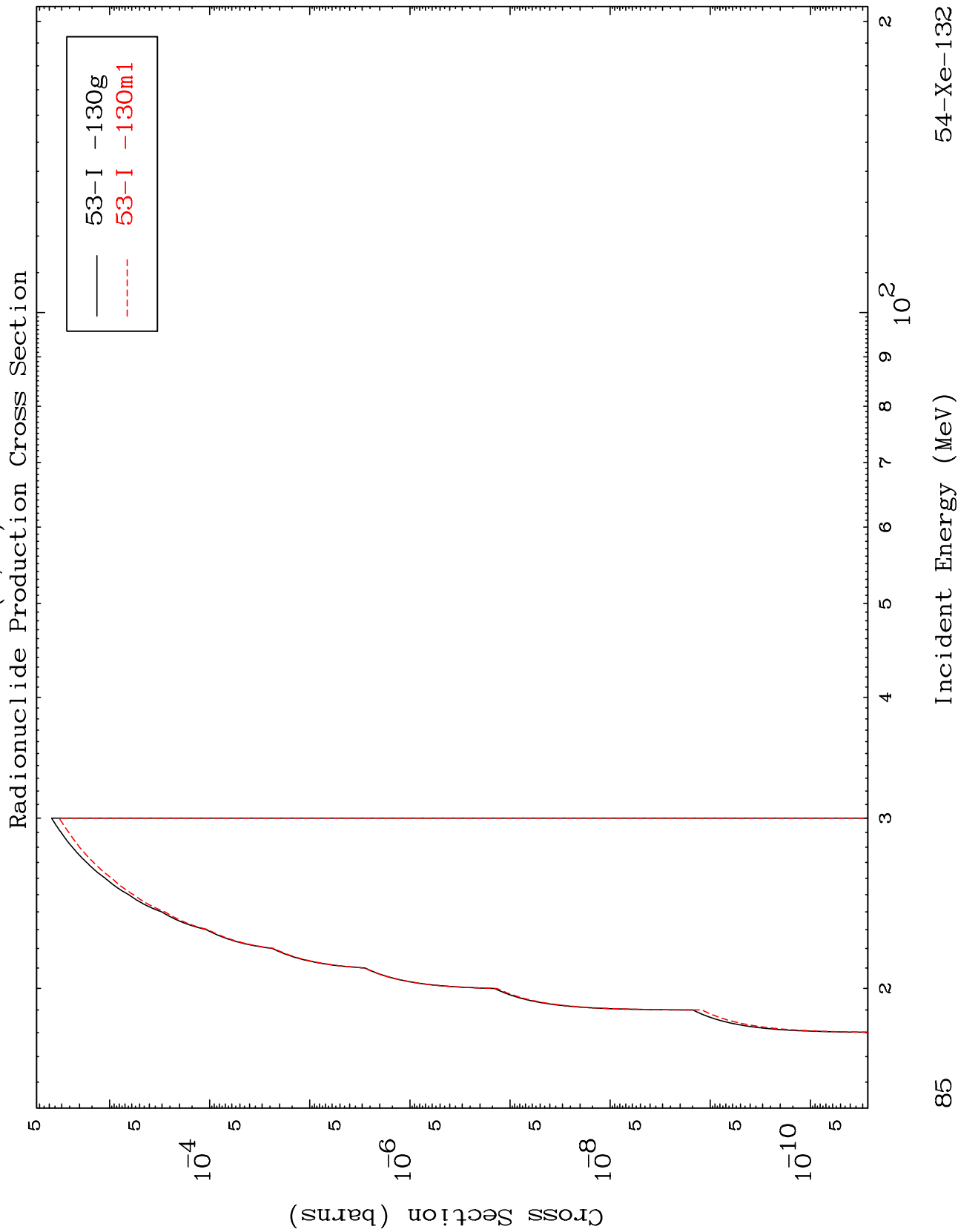
Radionuclide Production Cross Section



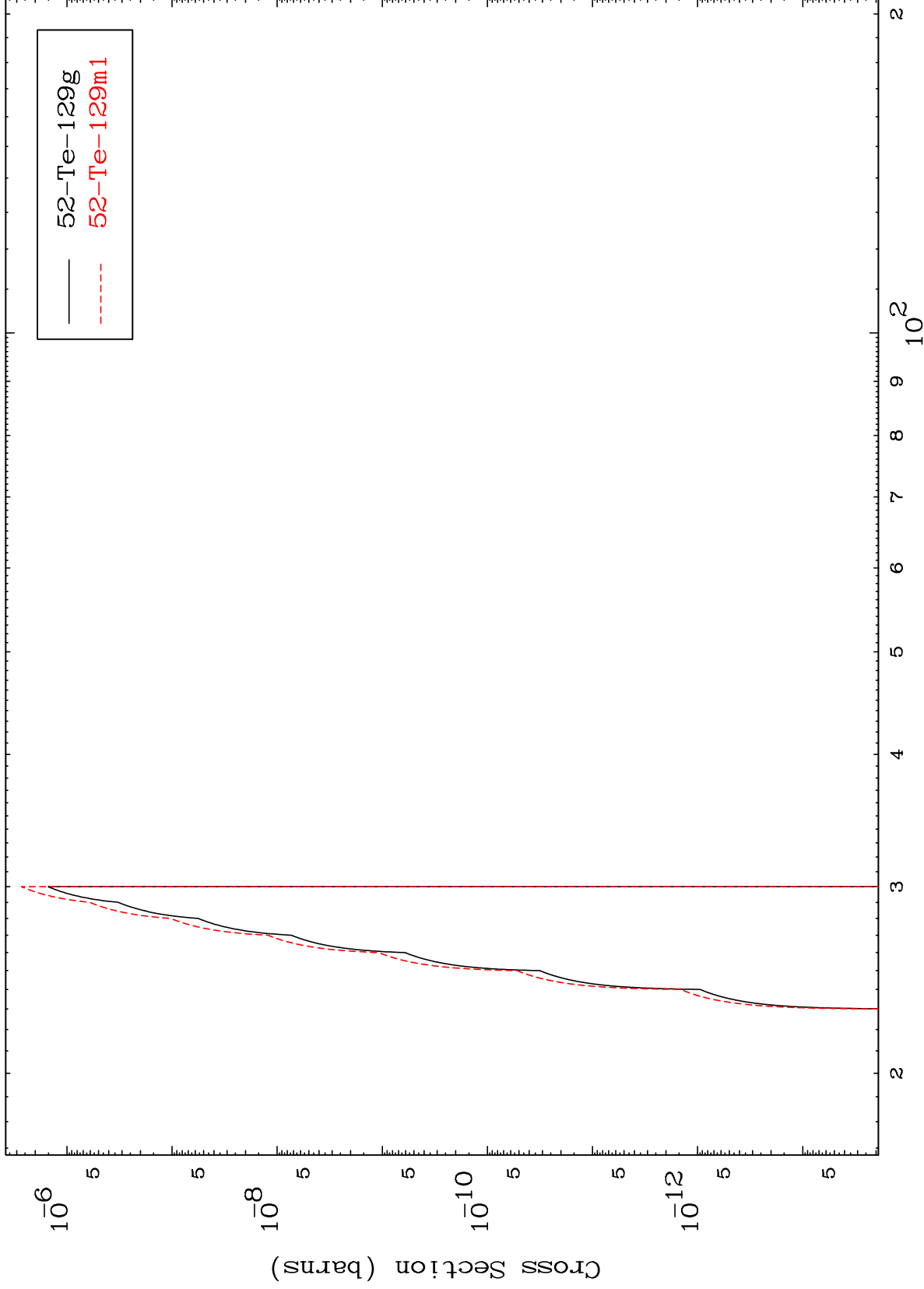
84

Incident Energy (MeV)

54-Xe-132



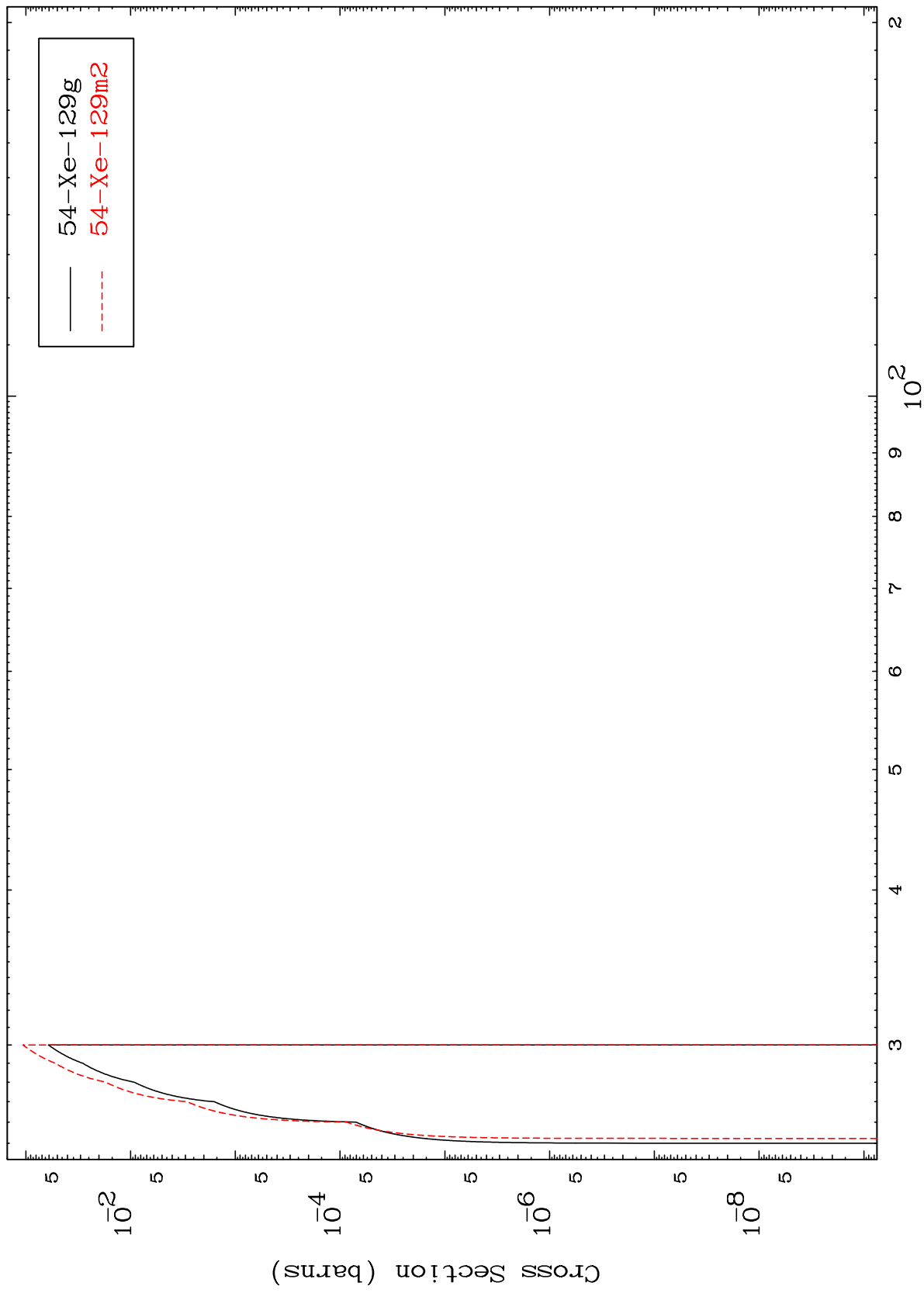
Radionuclide Production Cross Section



MAT 5449

54-Xe-132

(n,4n)
Radionuclide Production Cross Section

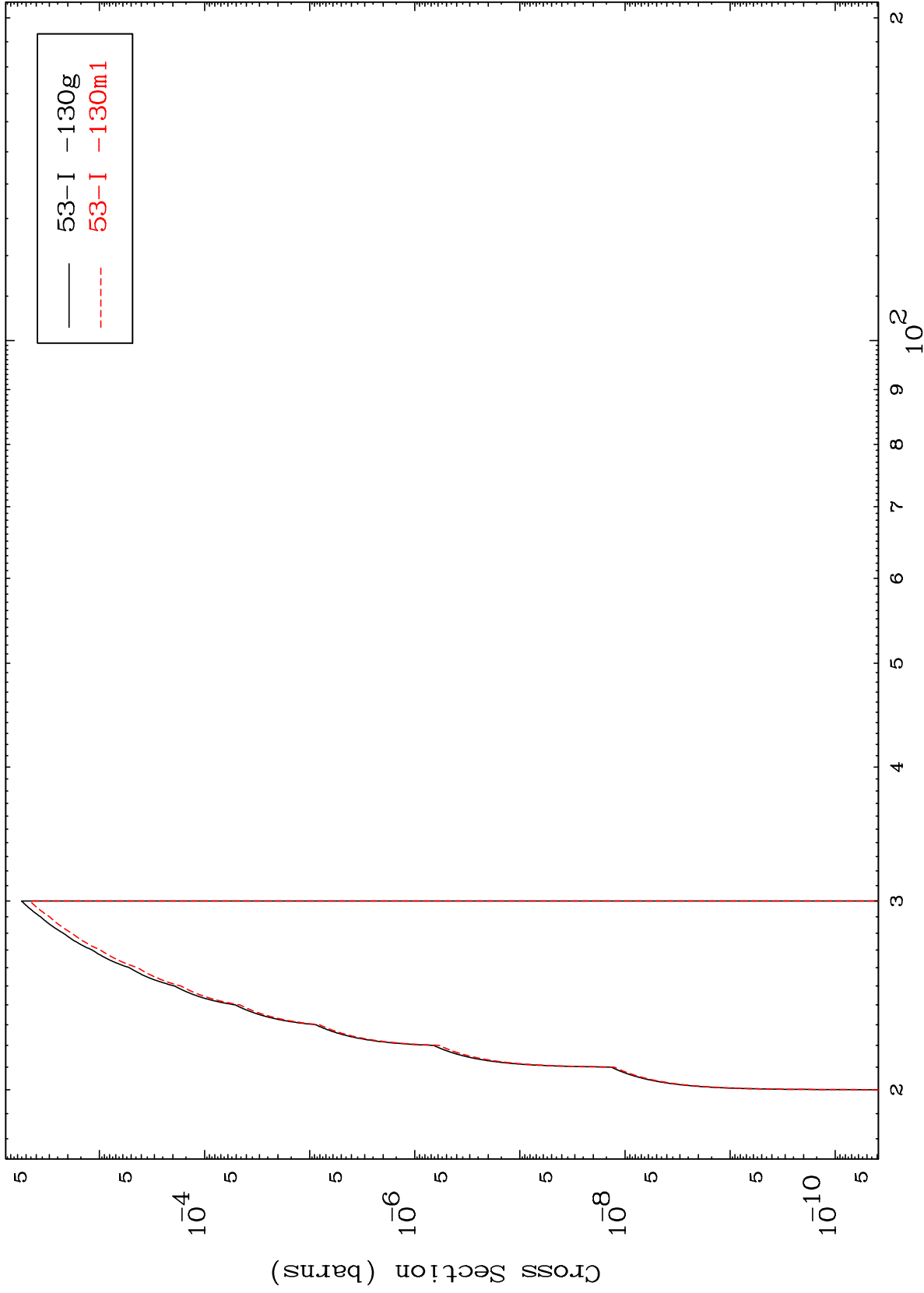


87

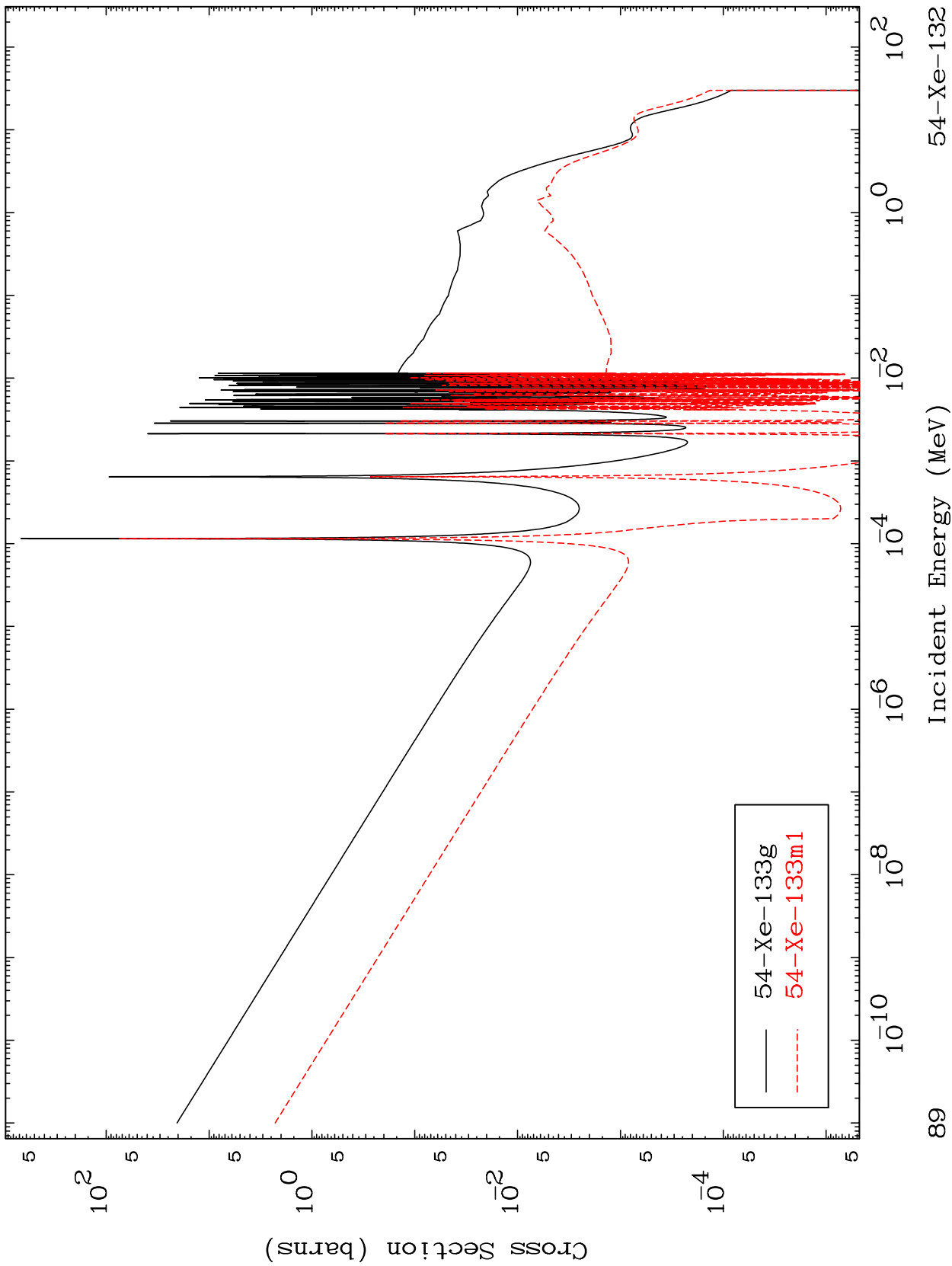
54-Xe-132

Incident Energy (MeV)

Radionuclide Production Cross Section



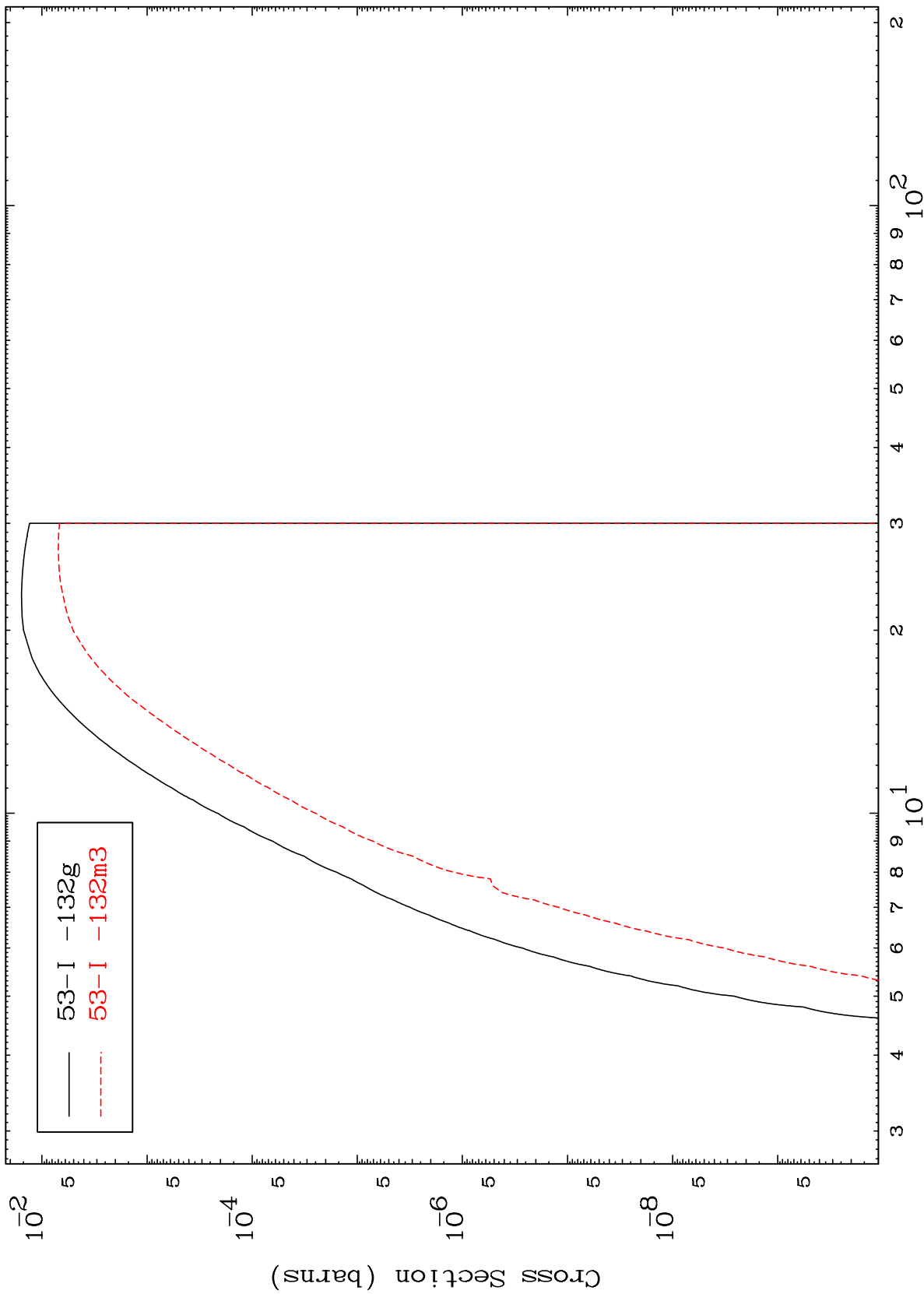
(n, γ)
Radionuclide Production Cross Section



MAT 5449

54-Xe-132

(n,p)
Radionuclide Production Cross Section



90

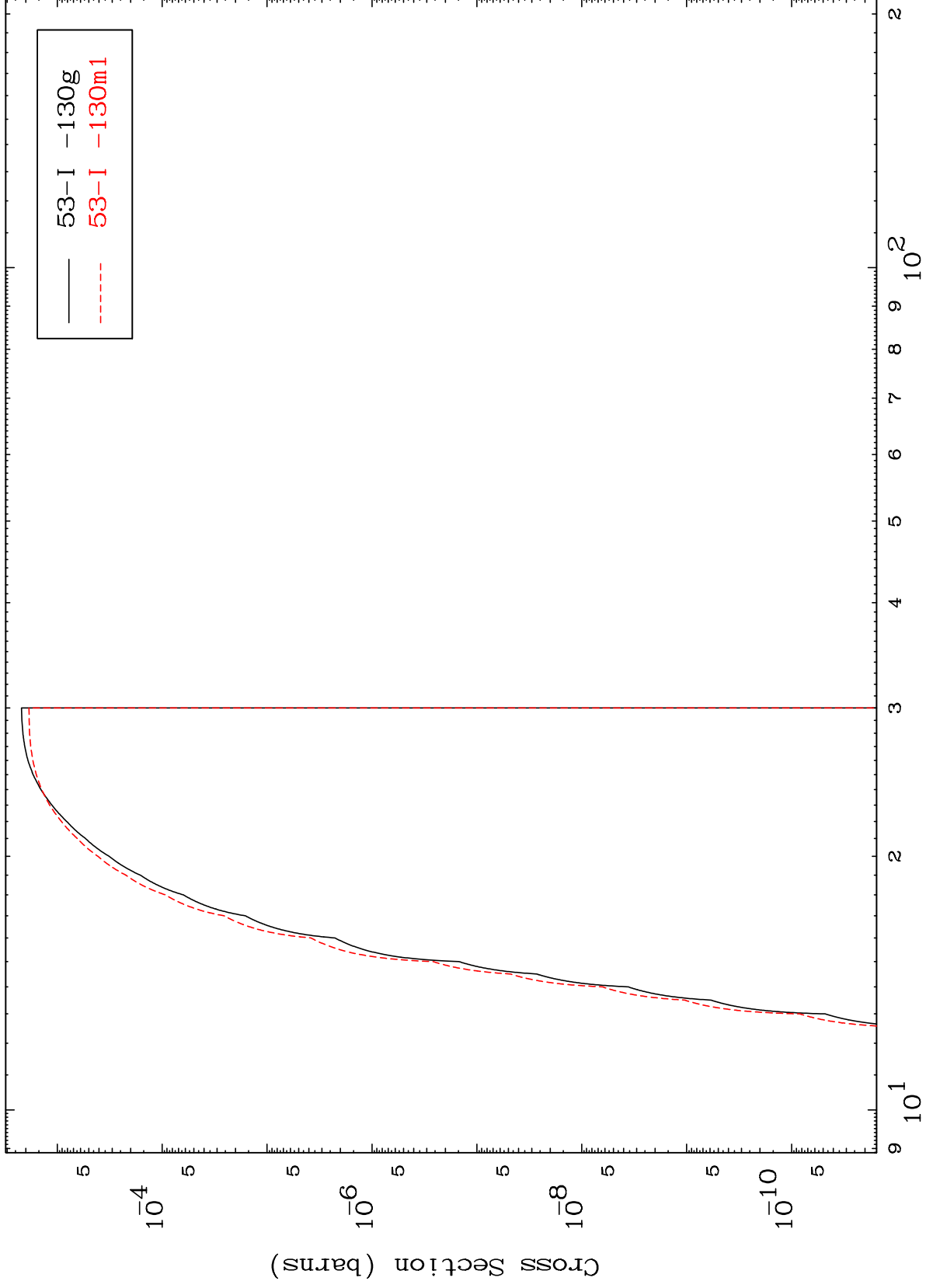
Incident Energy (MeV)

54-Xe-132

MAT 5449

54-Xe-132

(n,t)
Radionuclide Production Cross Section



53-I - 130g
53-I - 130m1

91

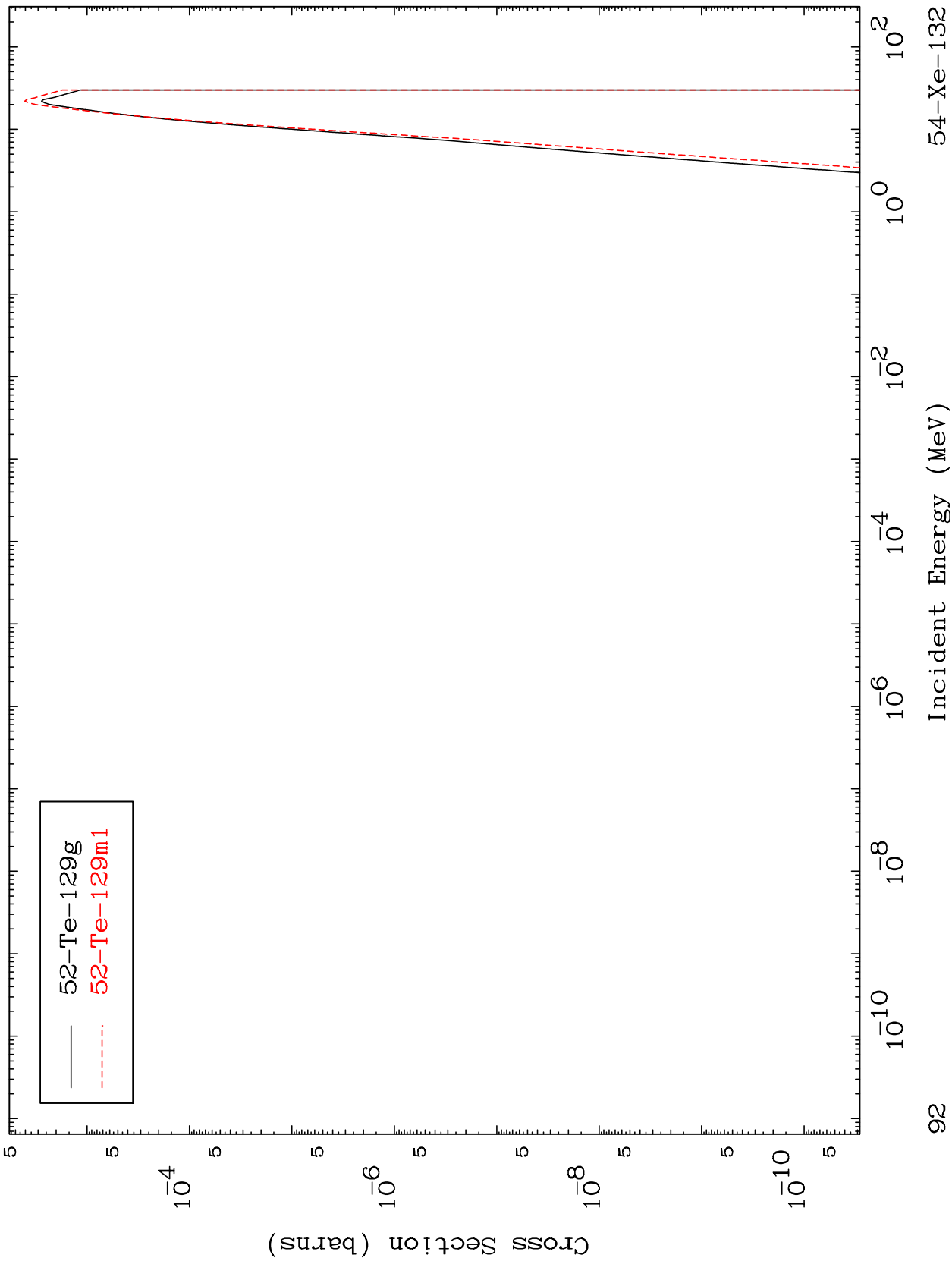
Incident Energy (MeV)

54-Xe-132

MAT 5449

54-Xe-132

(n, α)
Radionuclide Production Cross Section

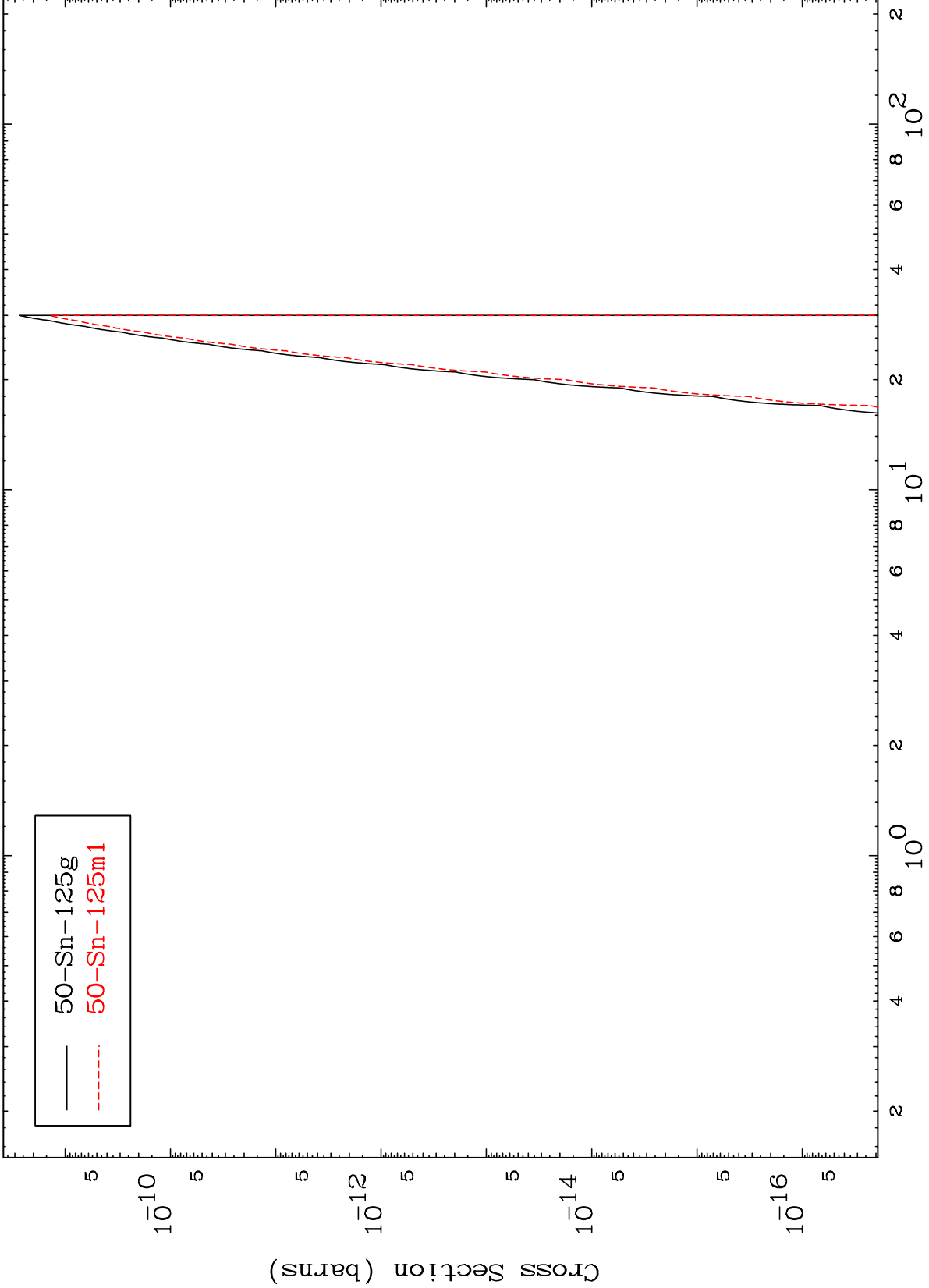


MAT 5449

(n,2α)

54-Xe-132

Radionuclide Production Cross Section

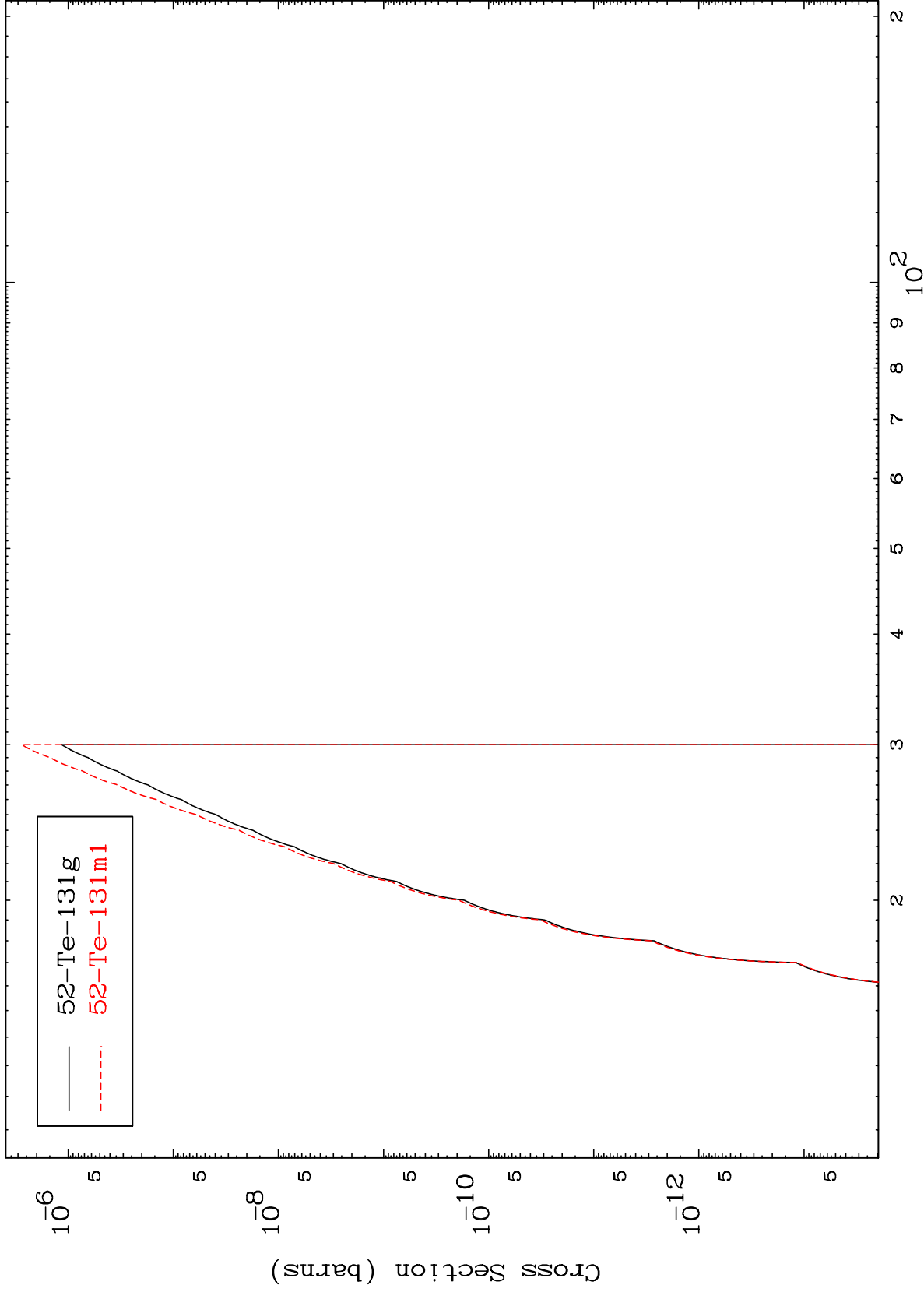


50-Sn-125g
50-Sn-125m1

MAT 5449

54-Xe-132

(n,2p)
Radionuclide Production Cross Section

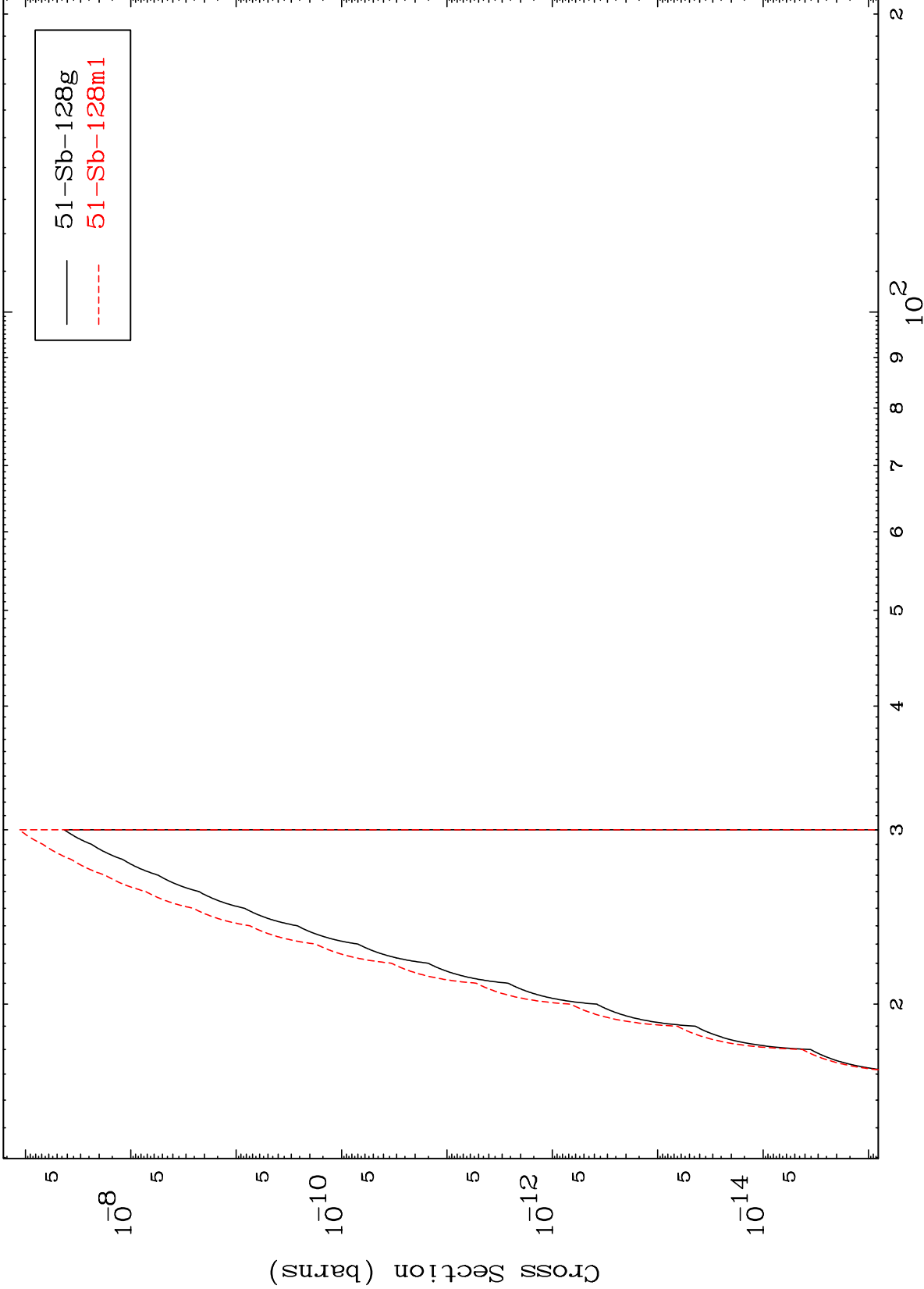


94

Incident Energy (MeV)

54-Xe-132

Radionuclide Production Cross Section



51-Sb-128g
51-Sb-128m1

Radionuclide Production Cross Section

