

Program EVALPLOT
(Version 2021-1)

by

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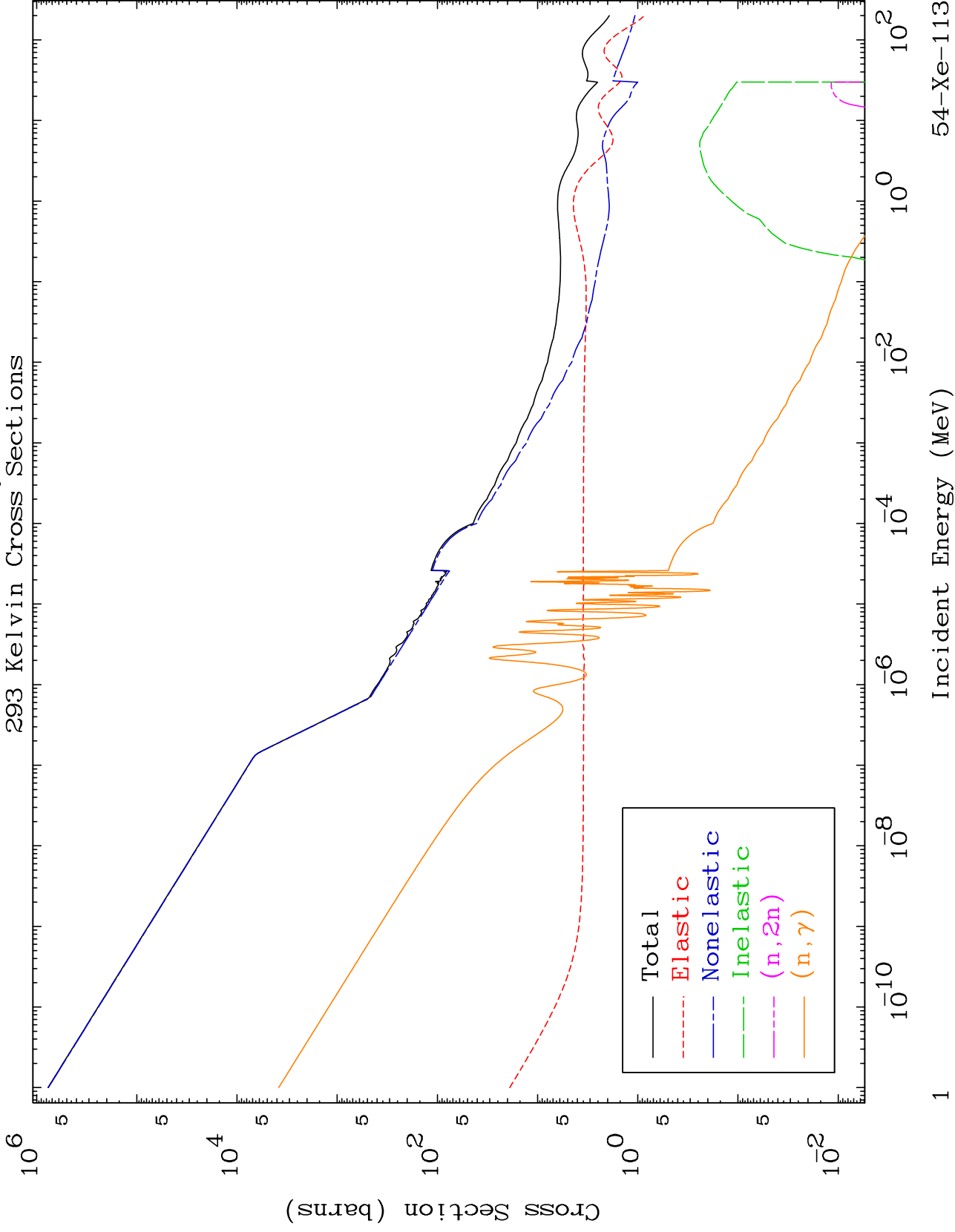
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5392

Neutron Major
293 Kelvin Cross Sections

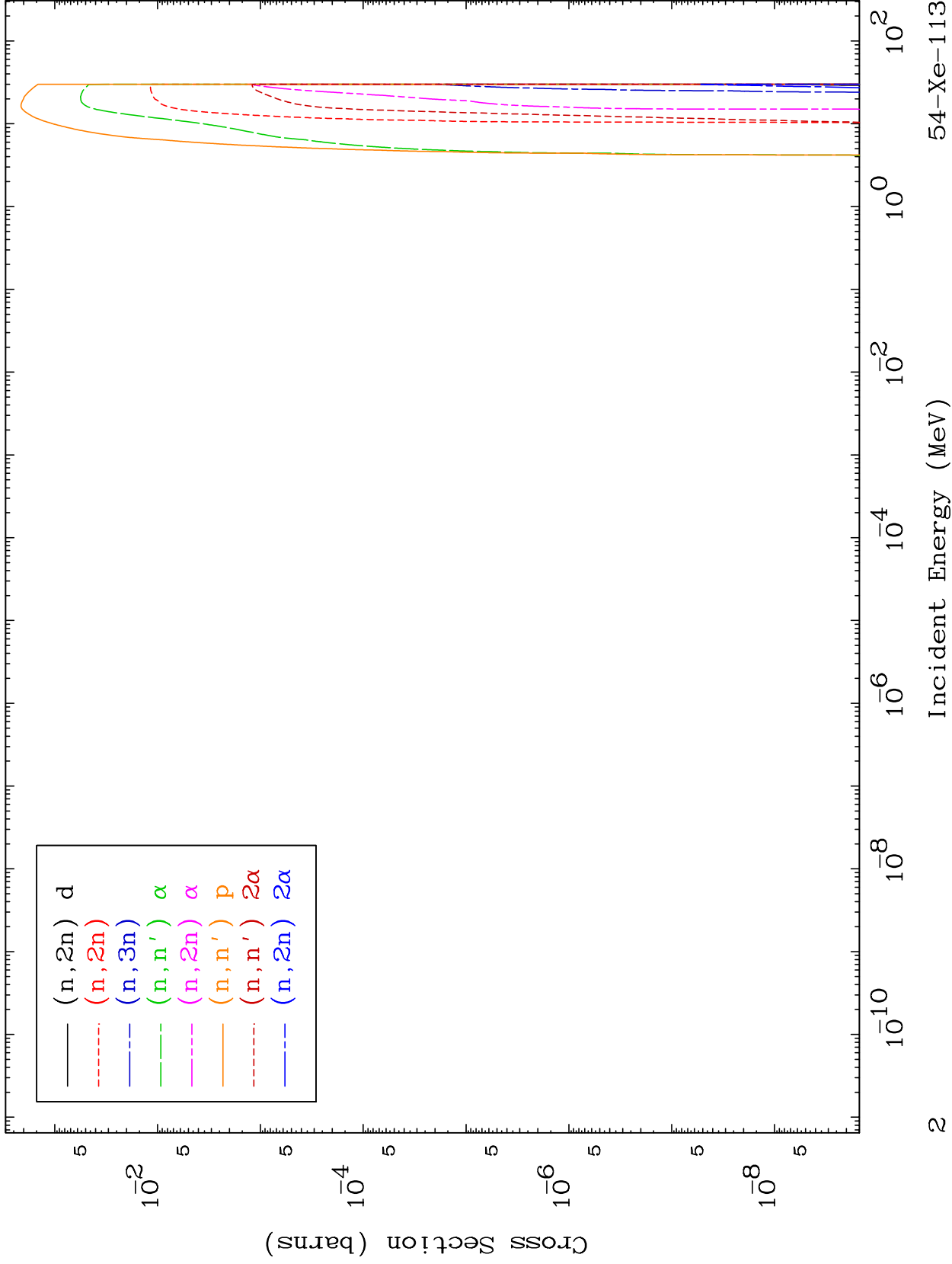
54-Xe-113

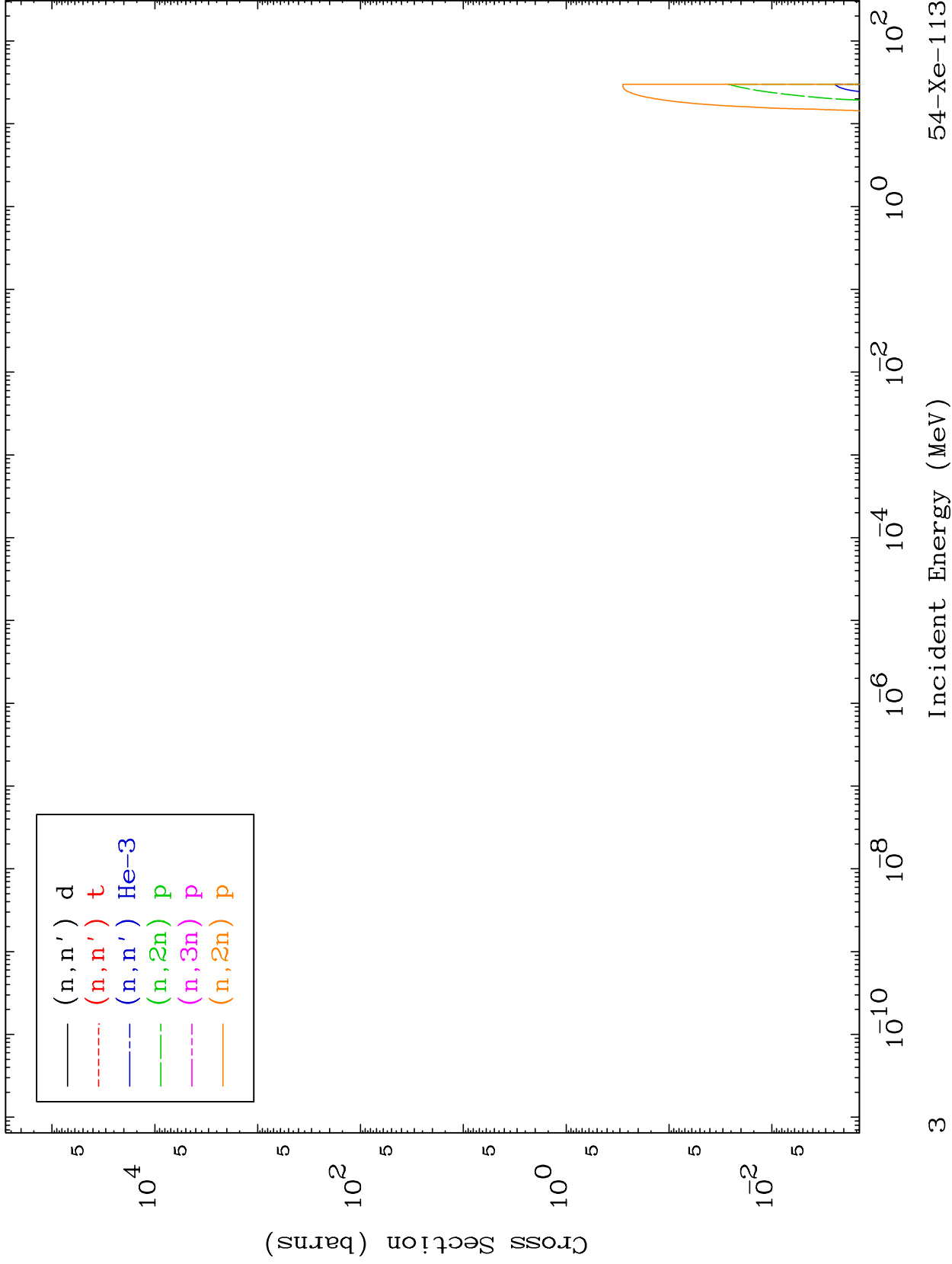


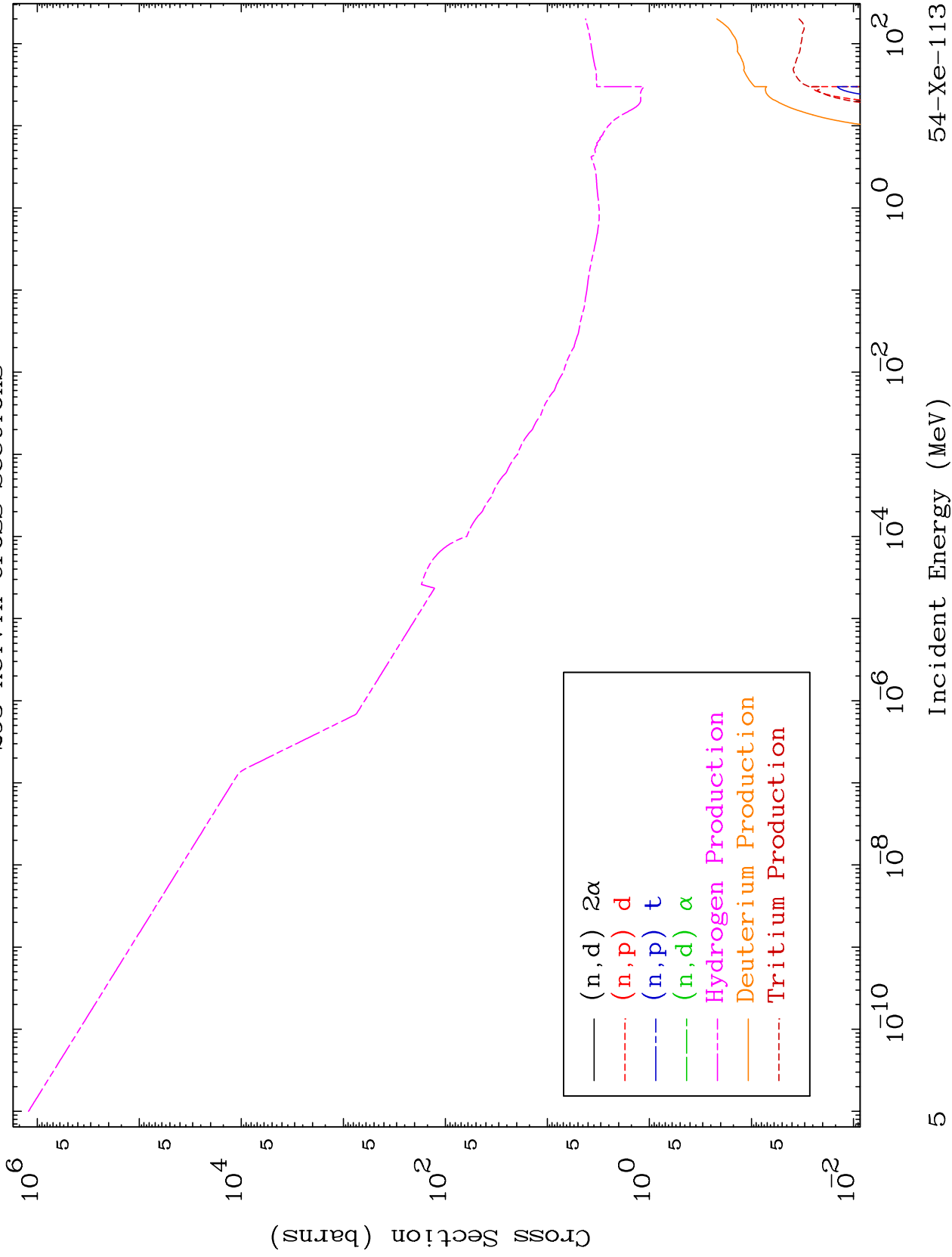
MAT 5392

Neutron Absorption
293 Kelvin Cross Sections

54-Xe-113



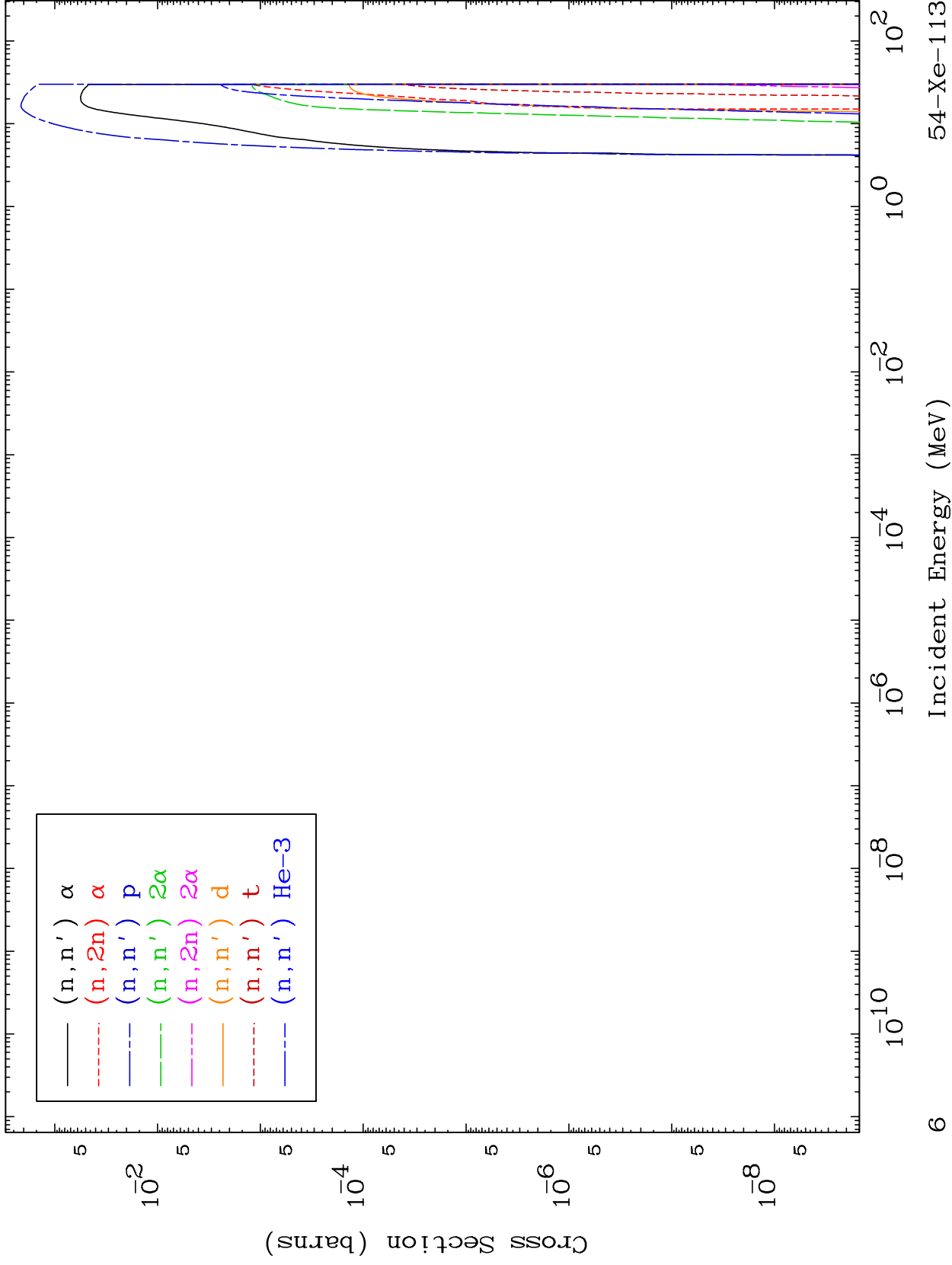




MAT 5392

Charged Particle
293 Kelvin Cross Sections

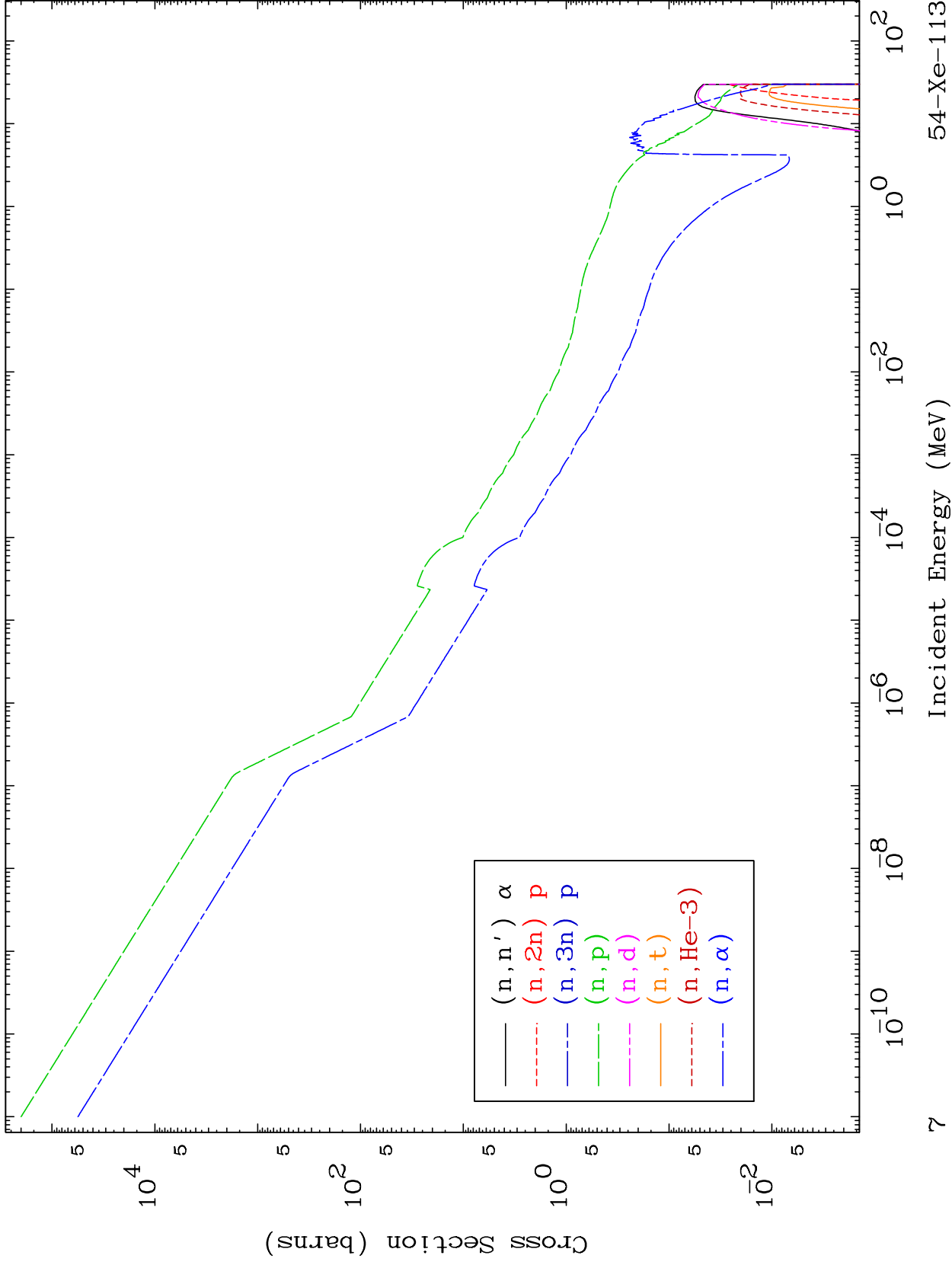
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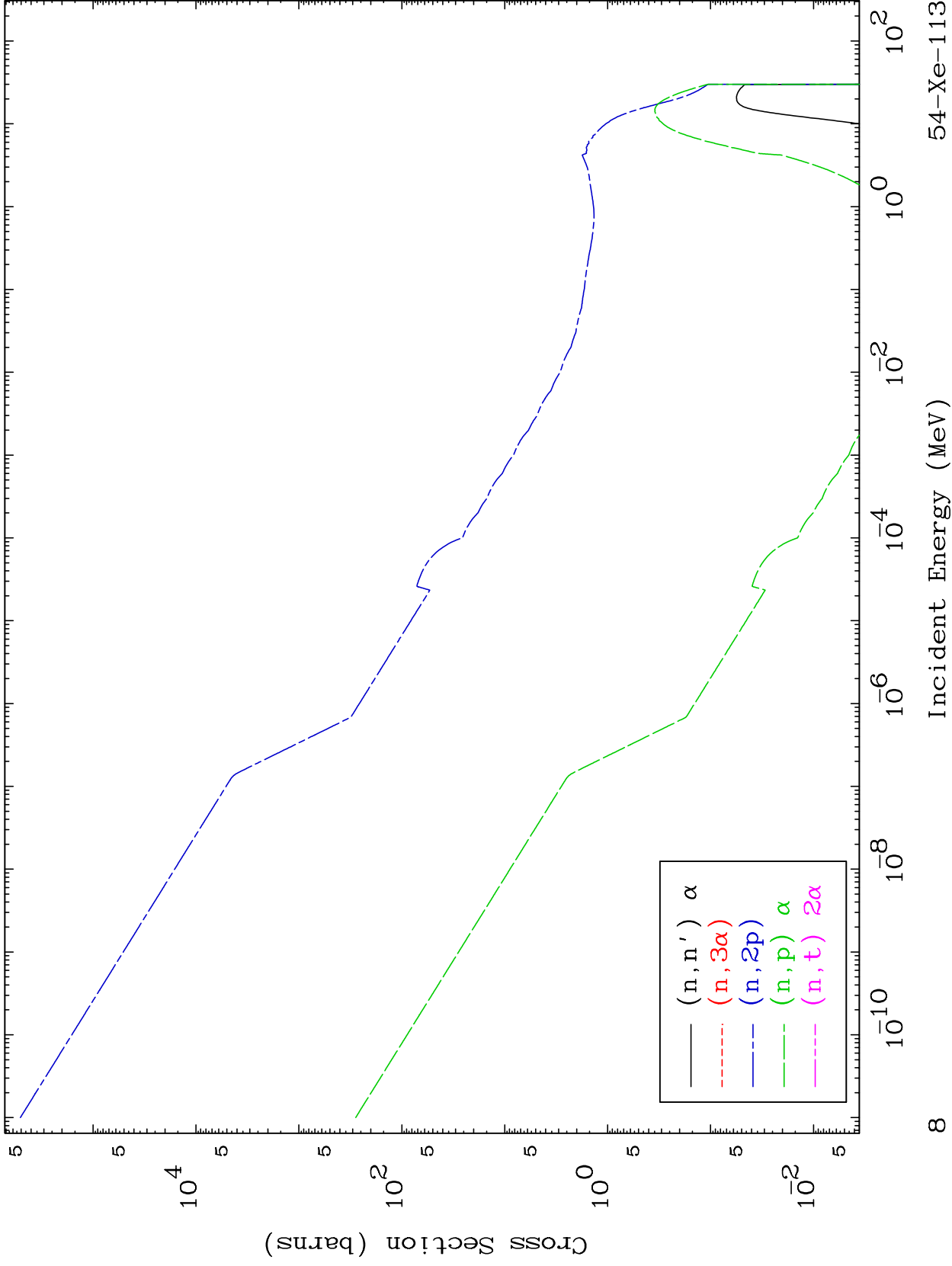


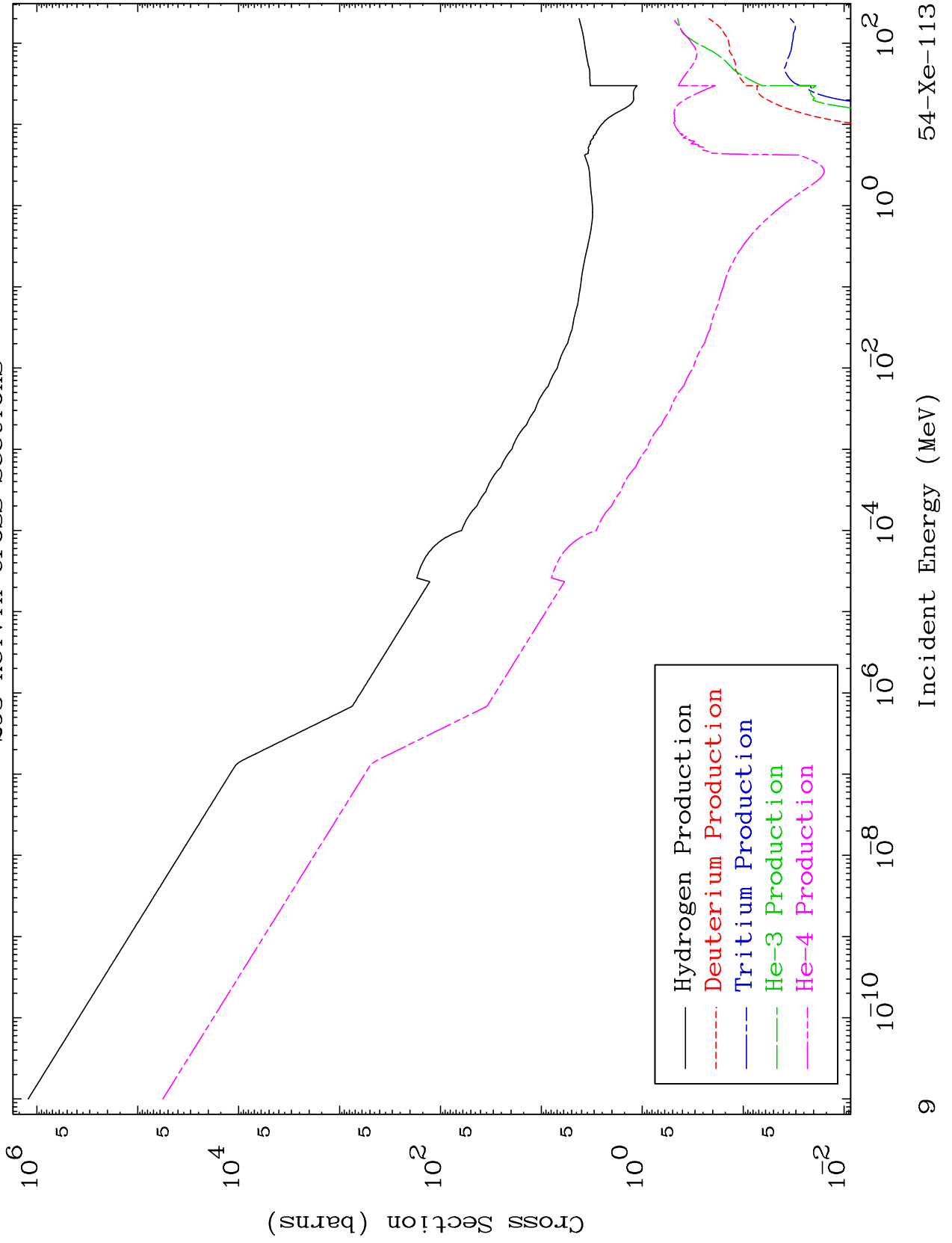
MAT 5392

Charged Particle
293 Kelvin Cross Sections

54-Xe-113



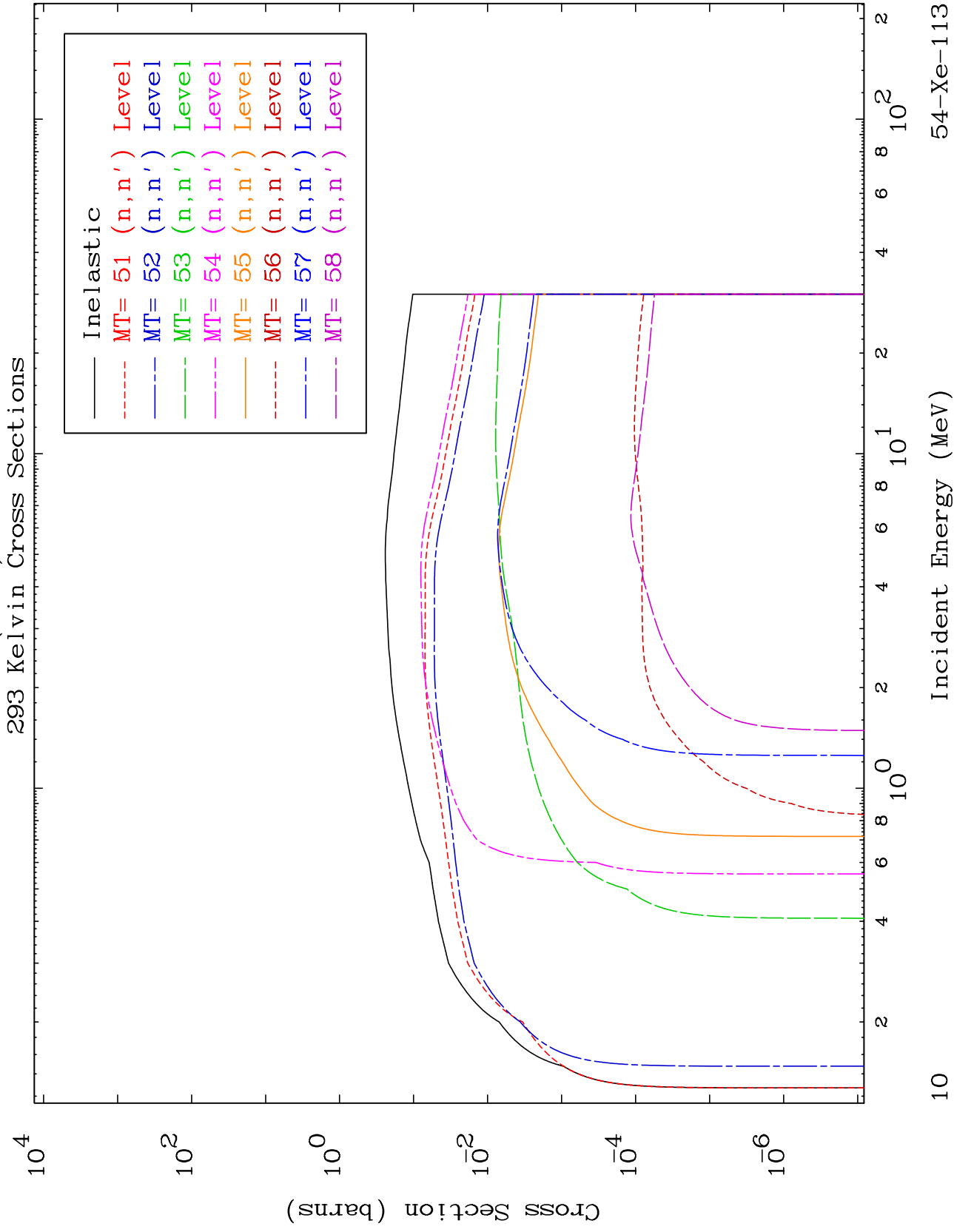




MAT 5392

(n,n') Levels

54-Xe-113



10

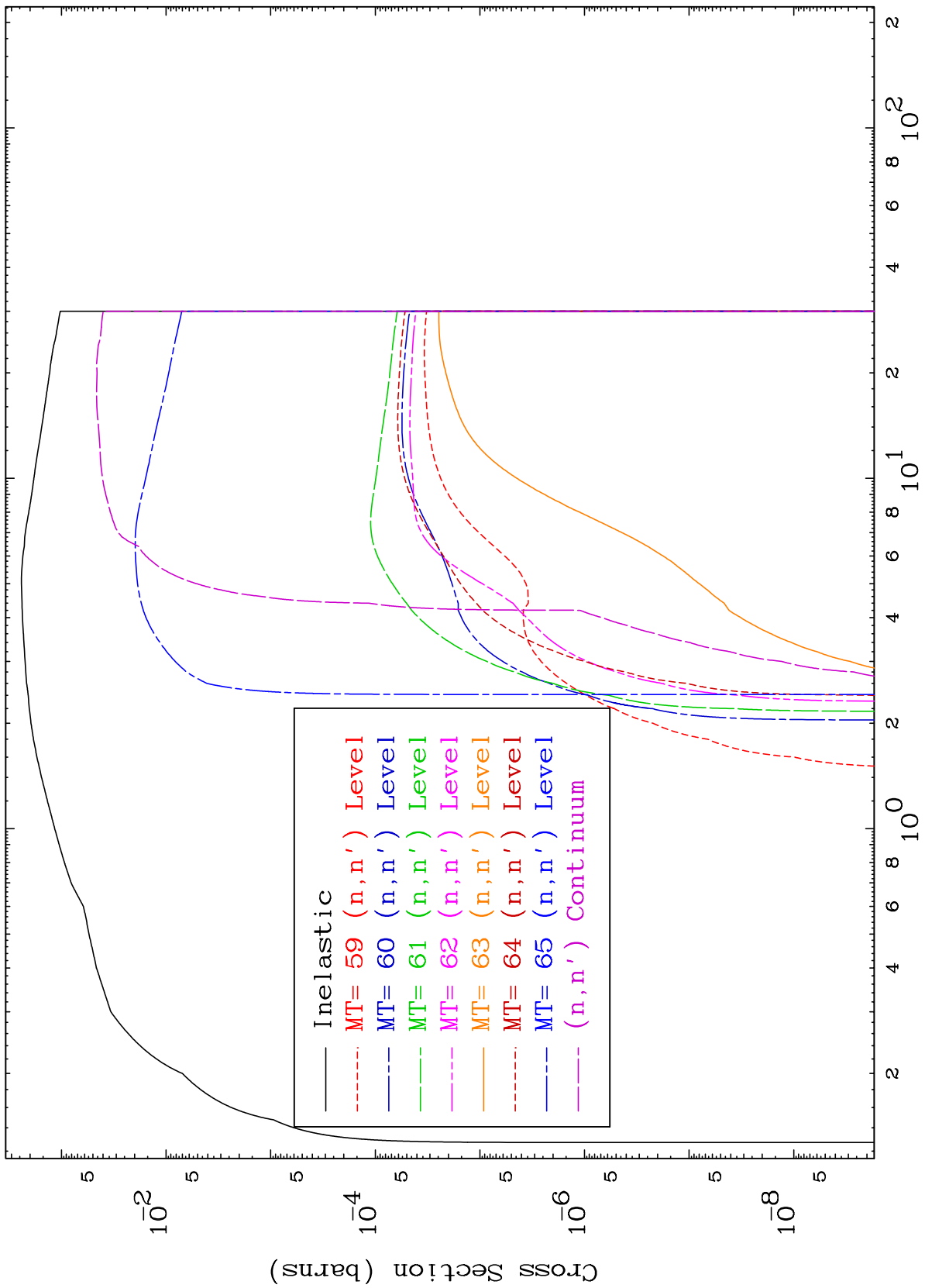
Incident Energy (MeV)

54-Xe-113

MAT 5392

54-Xe-113

(n,n') Levels
293 Kelvin Cross Sections



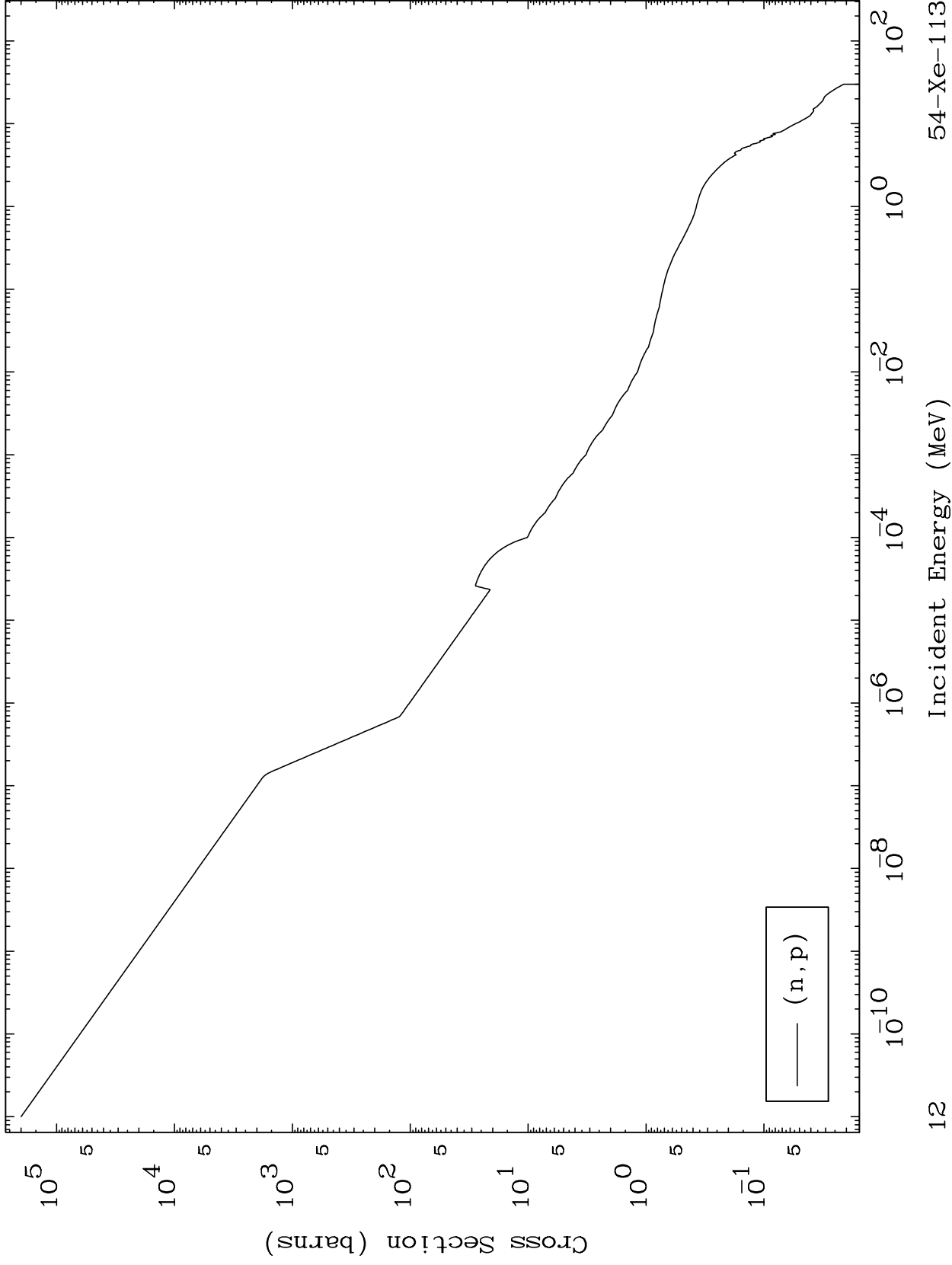
54-Xe-113

Incident Energy (MeV)

MAT 5392

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-113



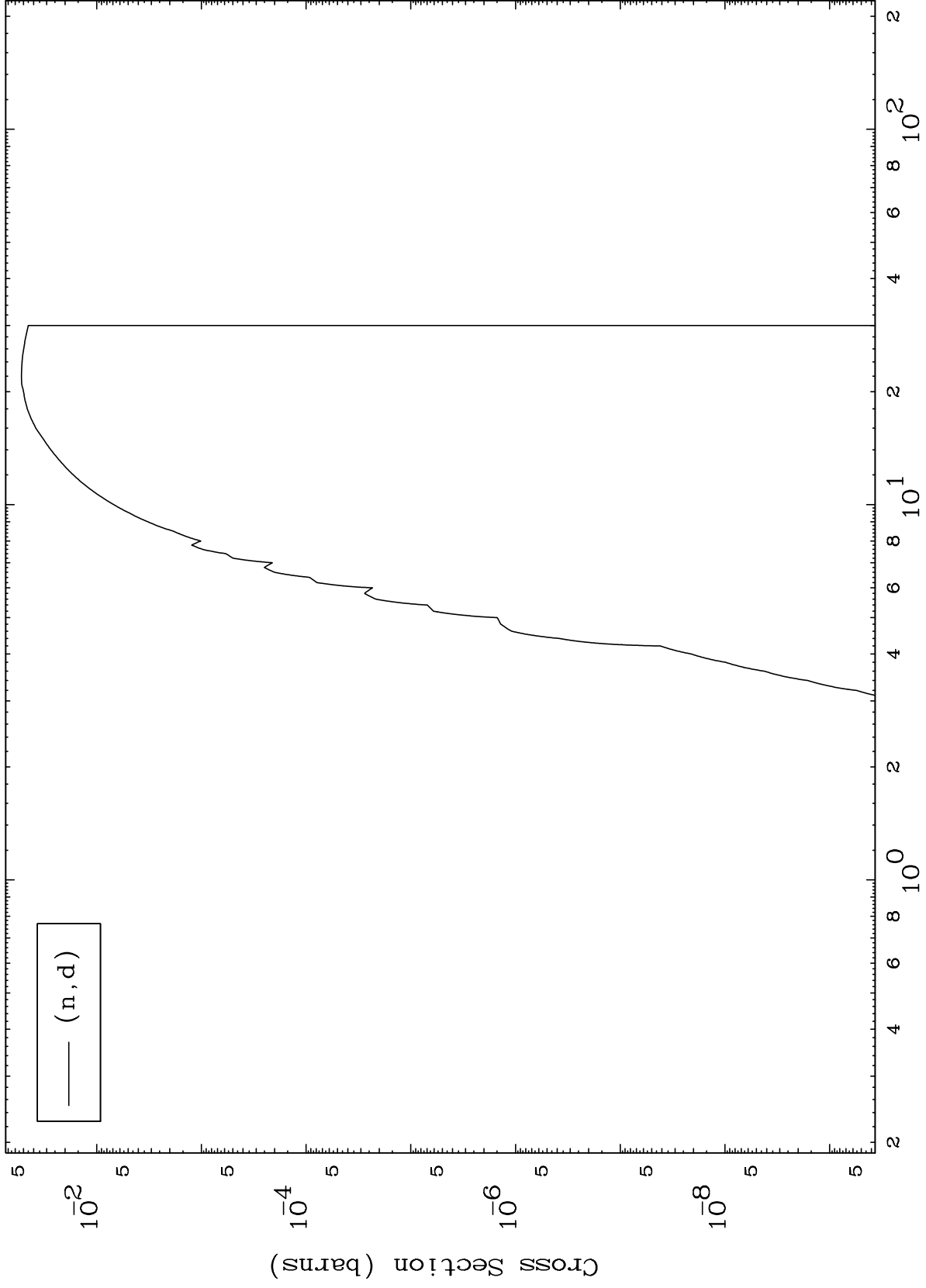
12

54-Xe-113

MAT 5392

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-113



13

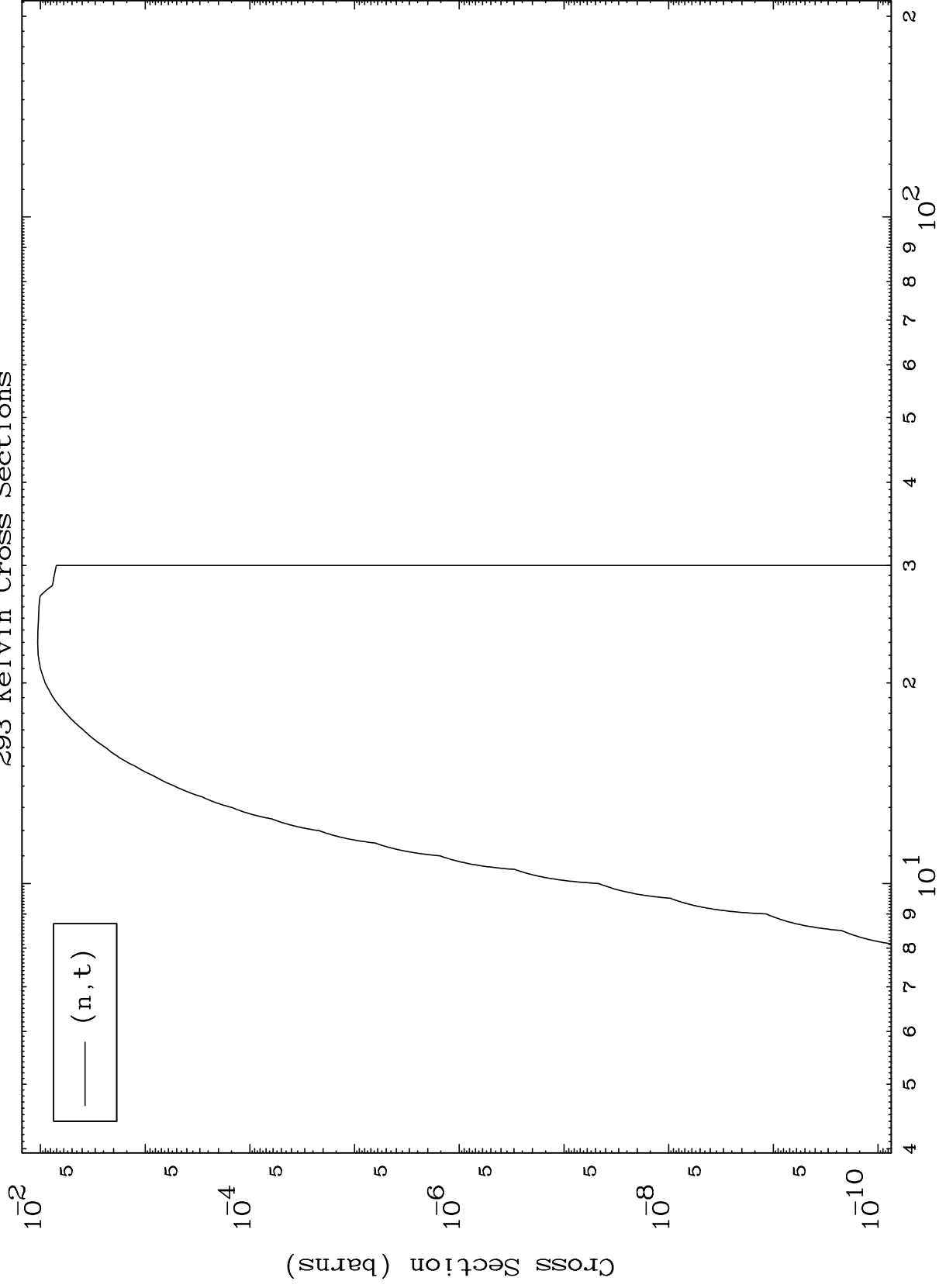
Incident Energy (MeV)

54-Xe-113

MAT 5392

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-113



14

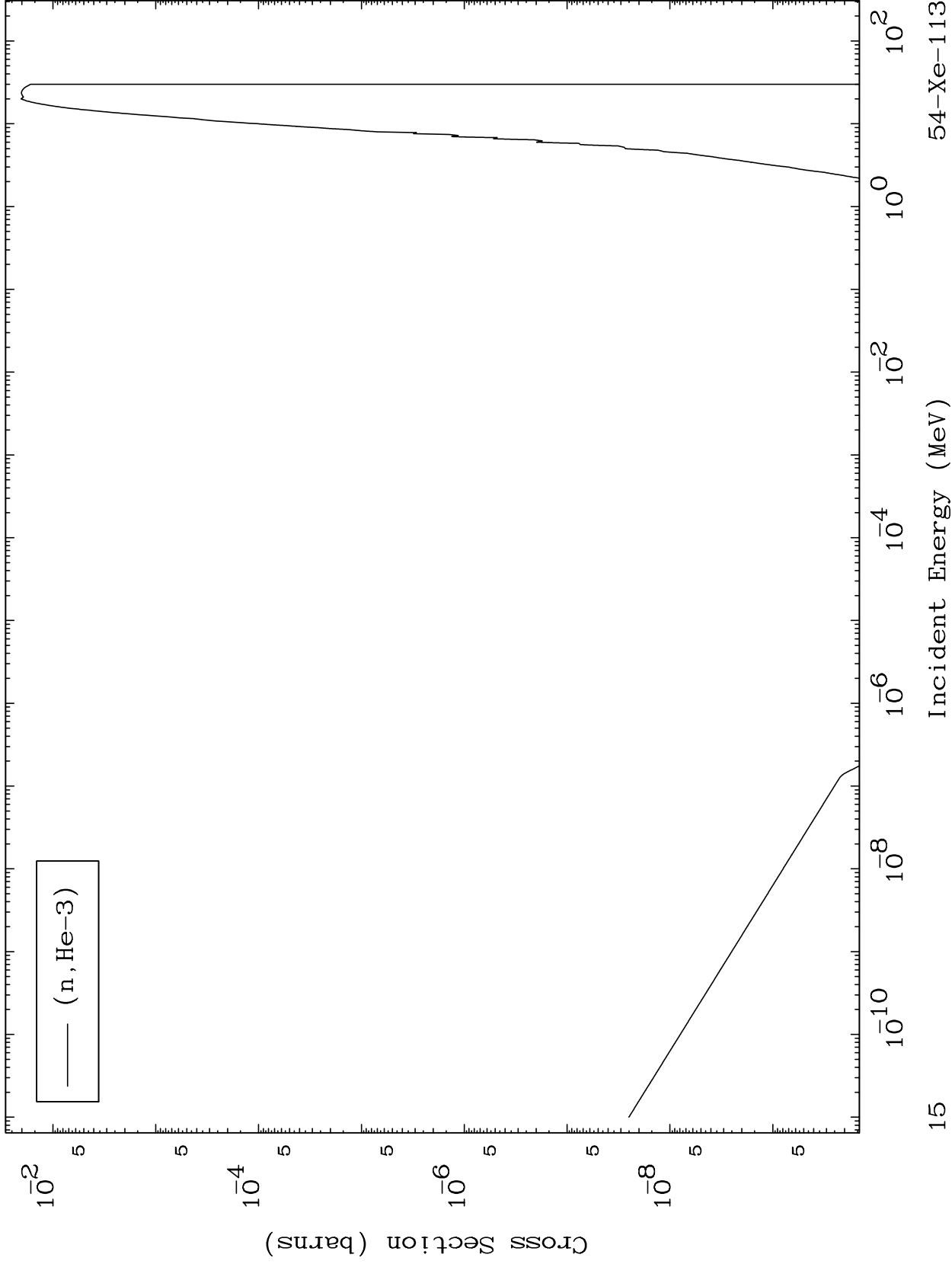
Incident Energy (MeV)

54-Xe-113

MAT 5392

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-113

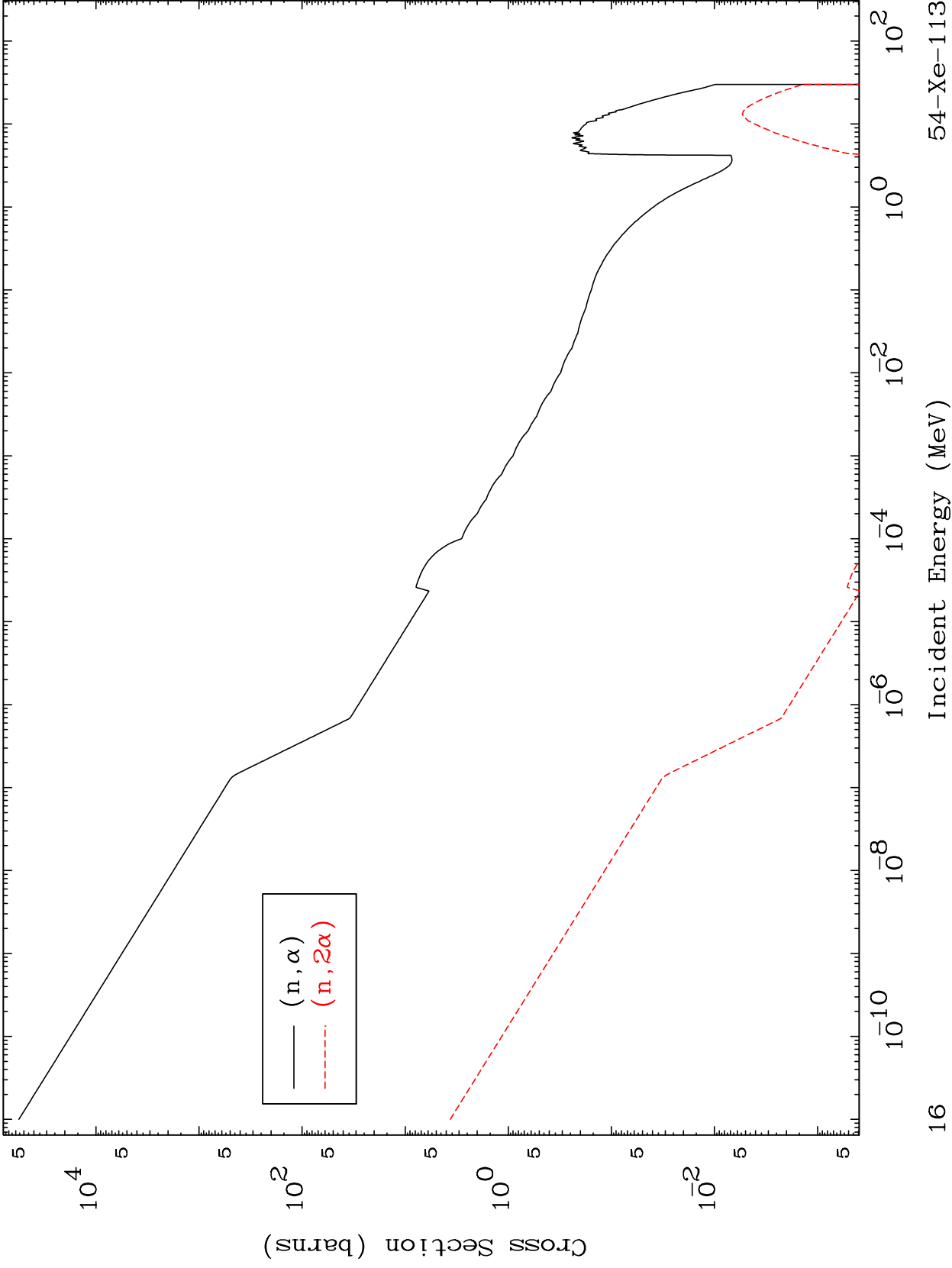


15

MAT 5392

(n, α) Levels
293 Kelvin Cross Sections

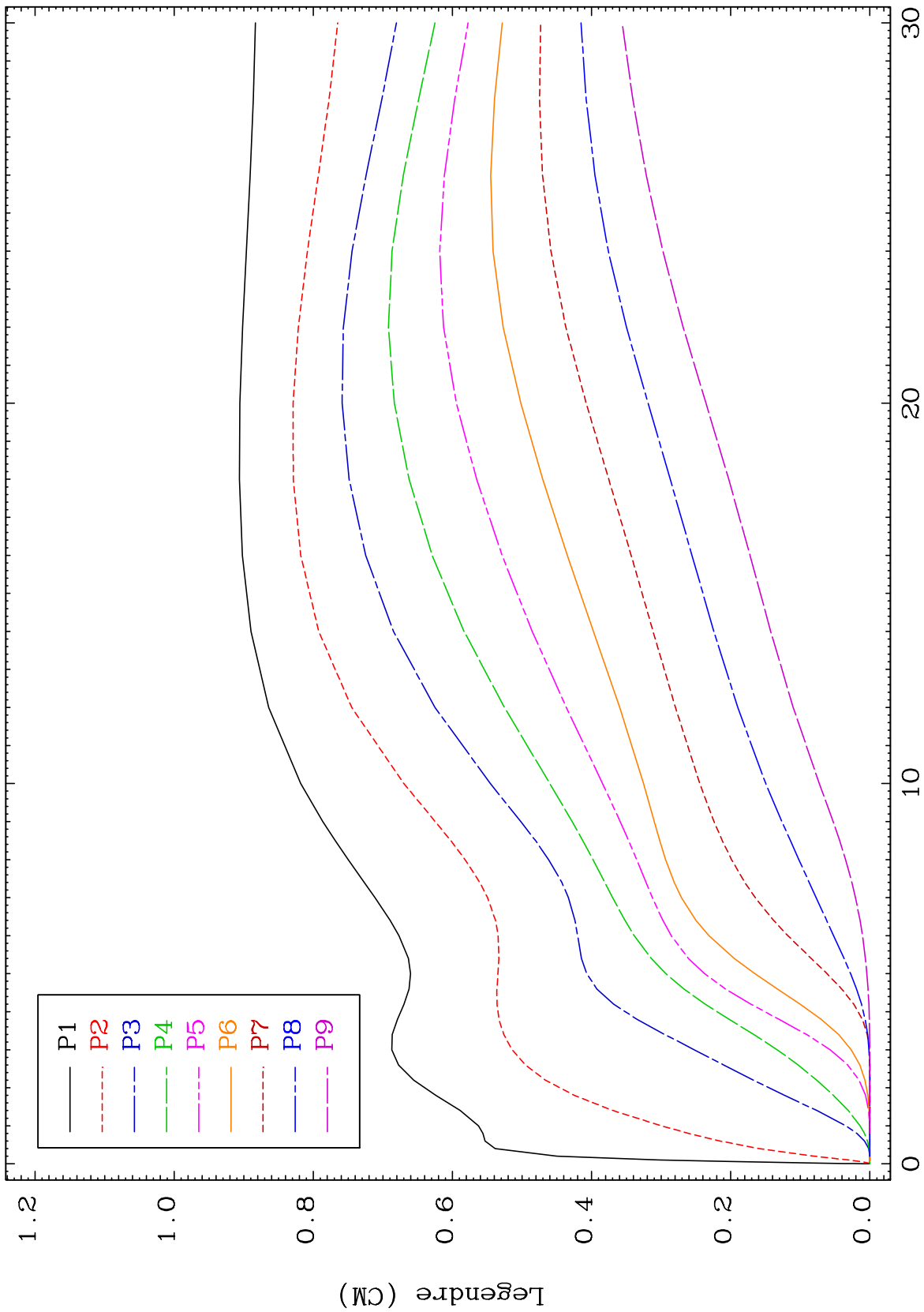
54-Xe-113



MAT 5392

Elastic Legendre Coefficients

54-Xe-113



17

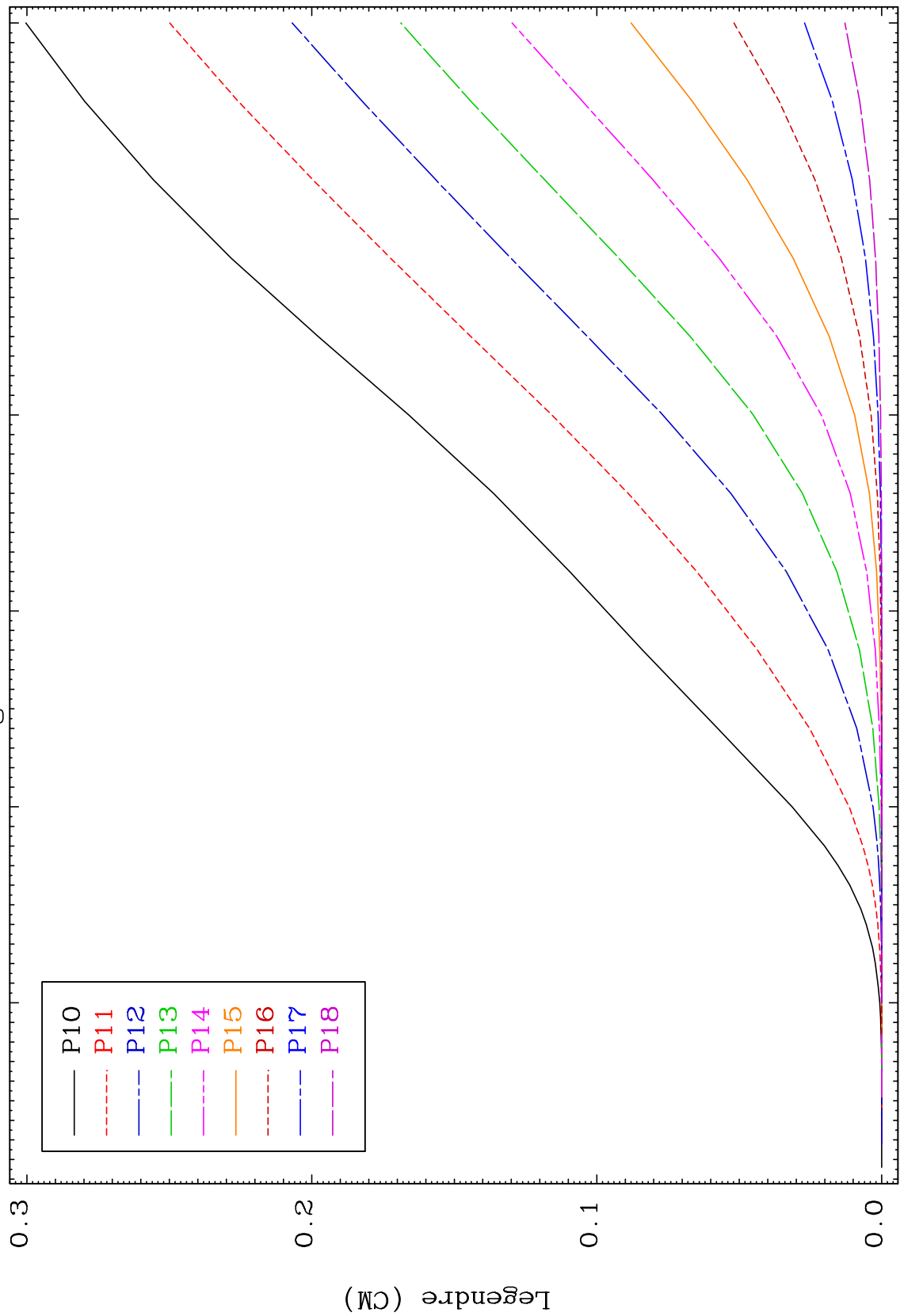
Incident Energy (MeV)

54-Xe-113

MAT 5392

Elastic Legendre Coefficients

54-Xe-113



18

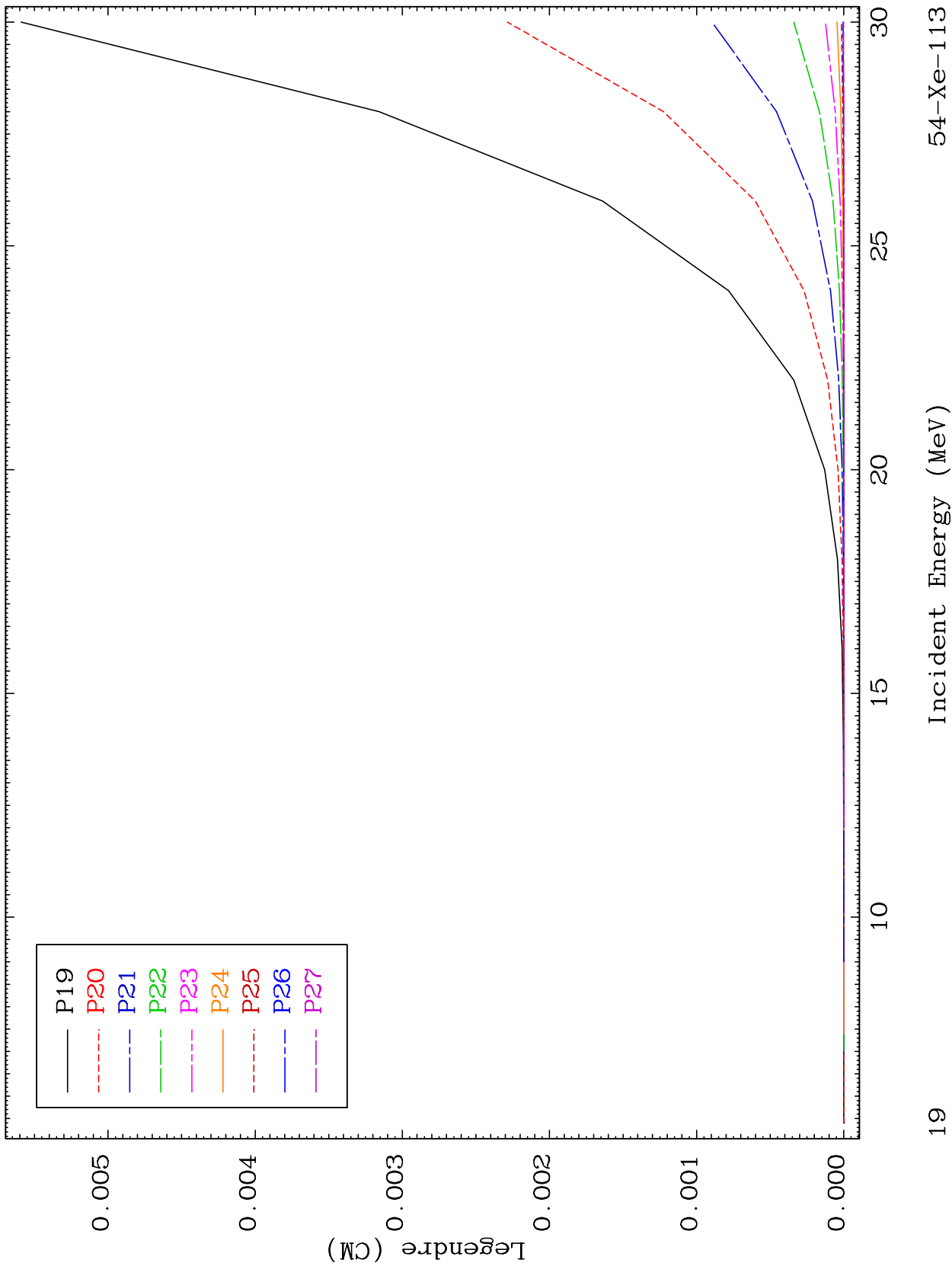
Incident Energy (MeV)

54-Xe-113

MAT 5392

Elastic Legendre Coefficients

54-Xe-113



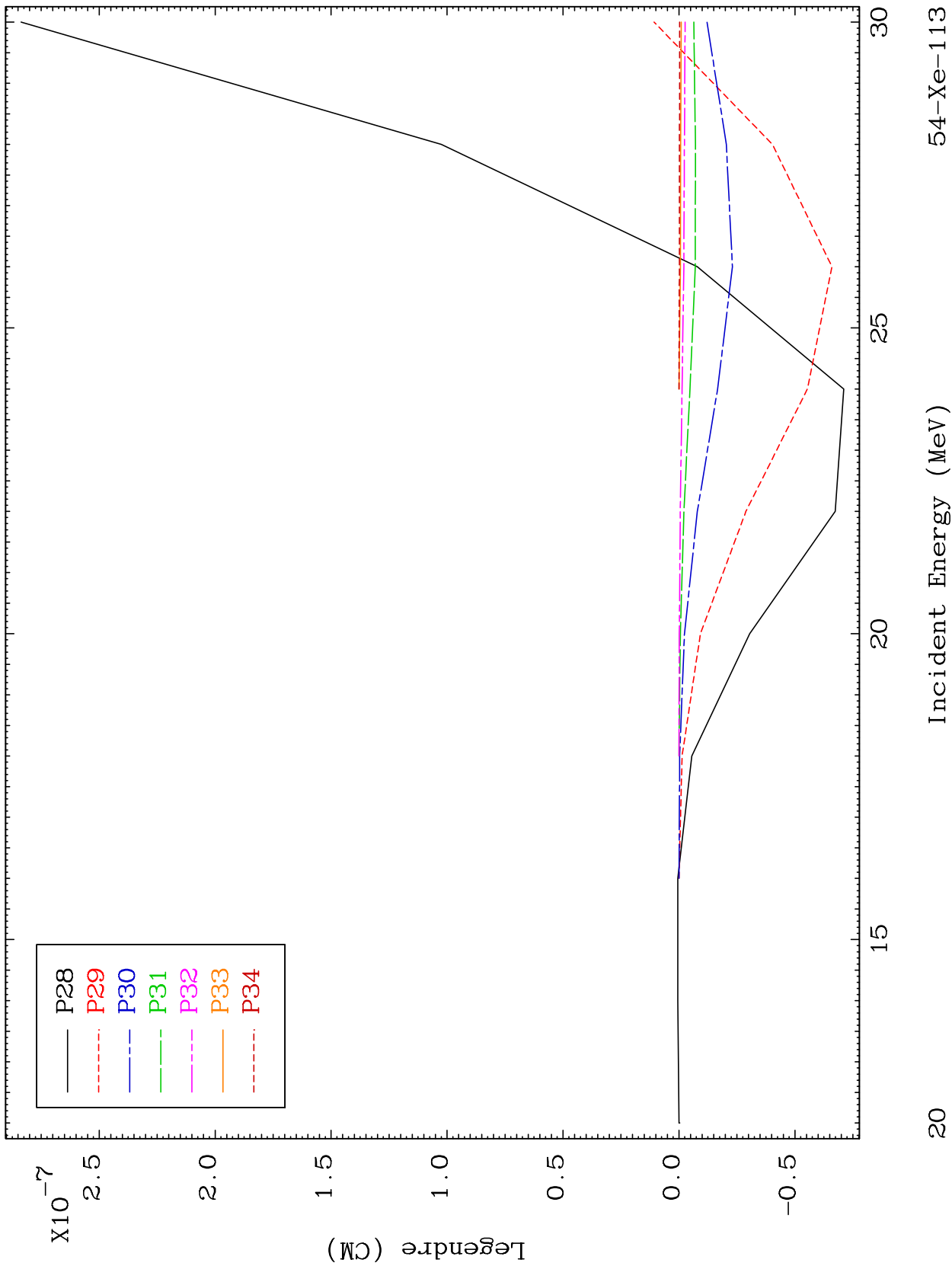
19

54-Xe-113

MAT 5392

Elastic Legendre Coefficients

54-Xe-113



54-Xe-113

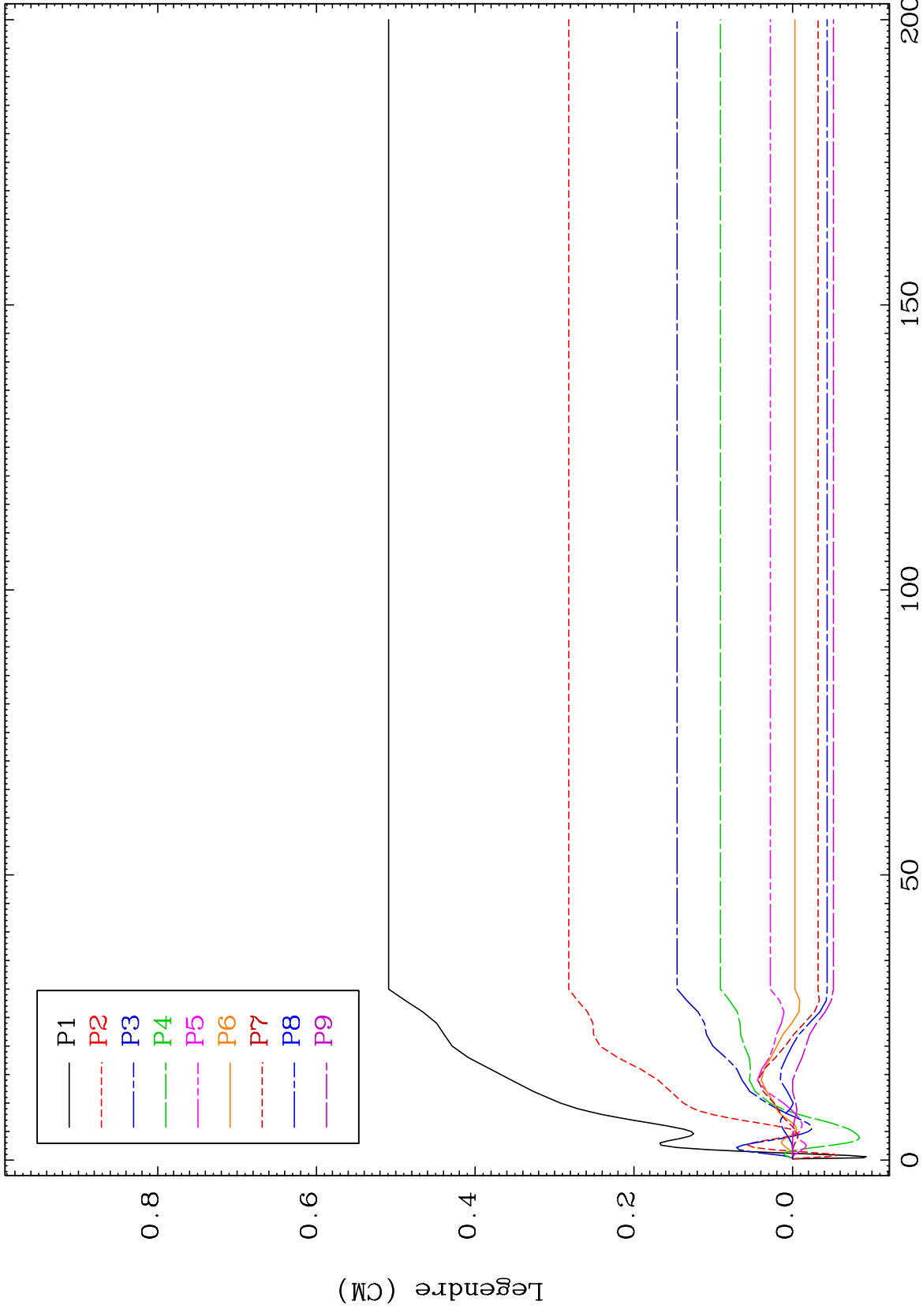
Incident Energy (MeV)

20

MAT 5392

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

54-Xe-113



21

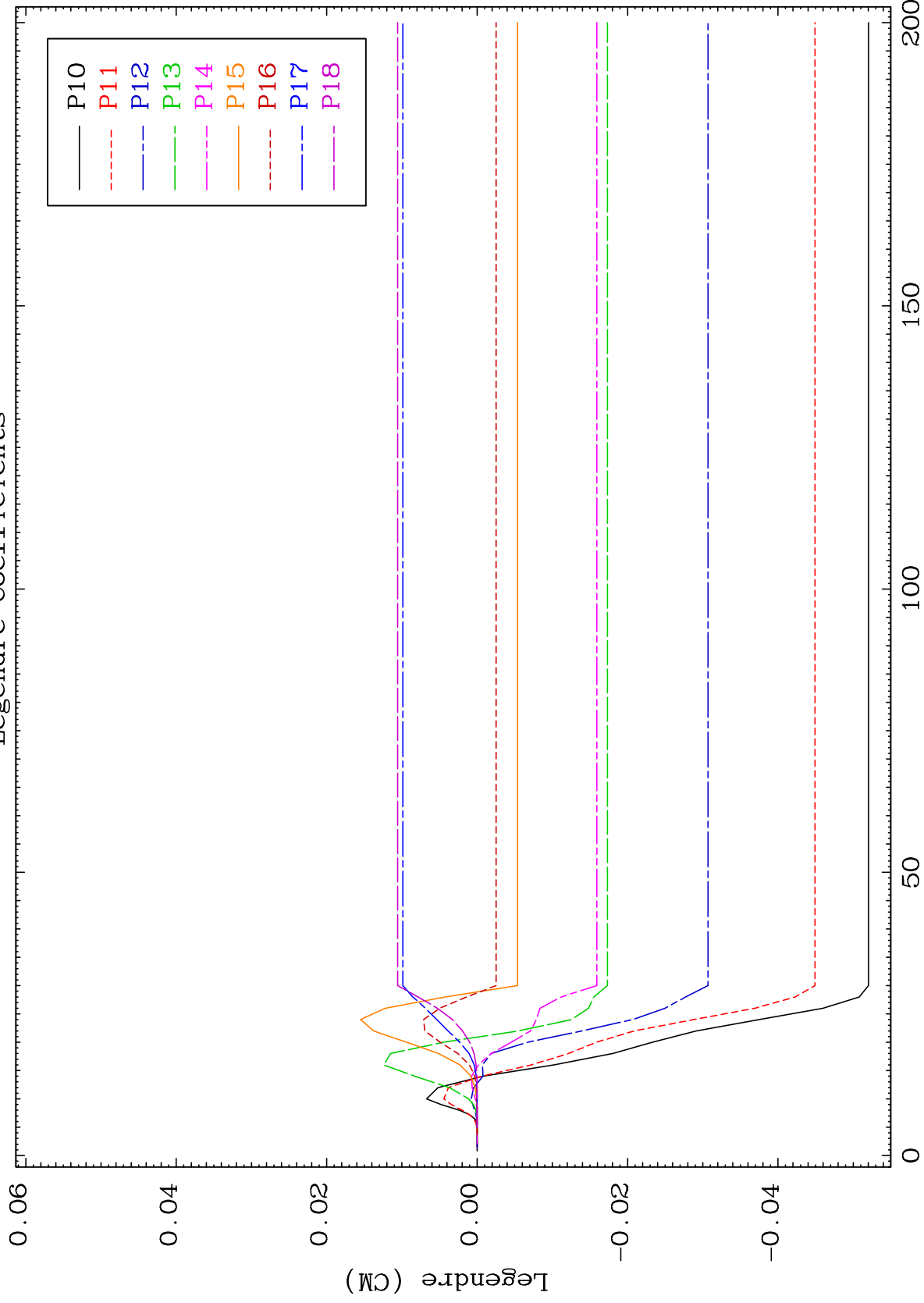
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



22

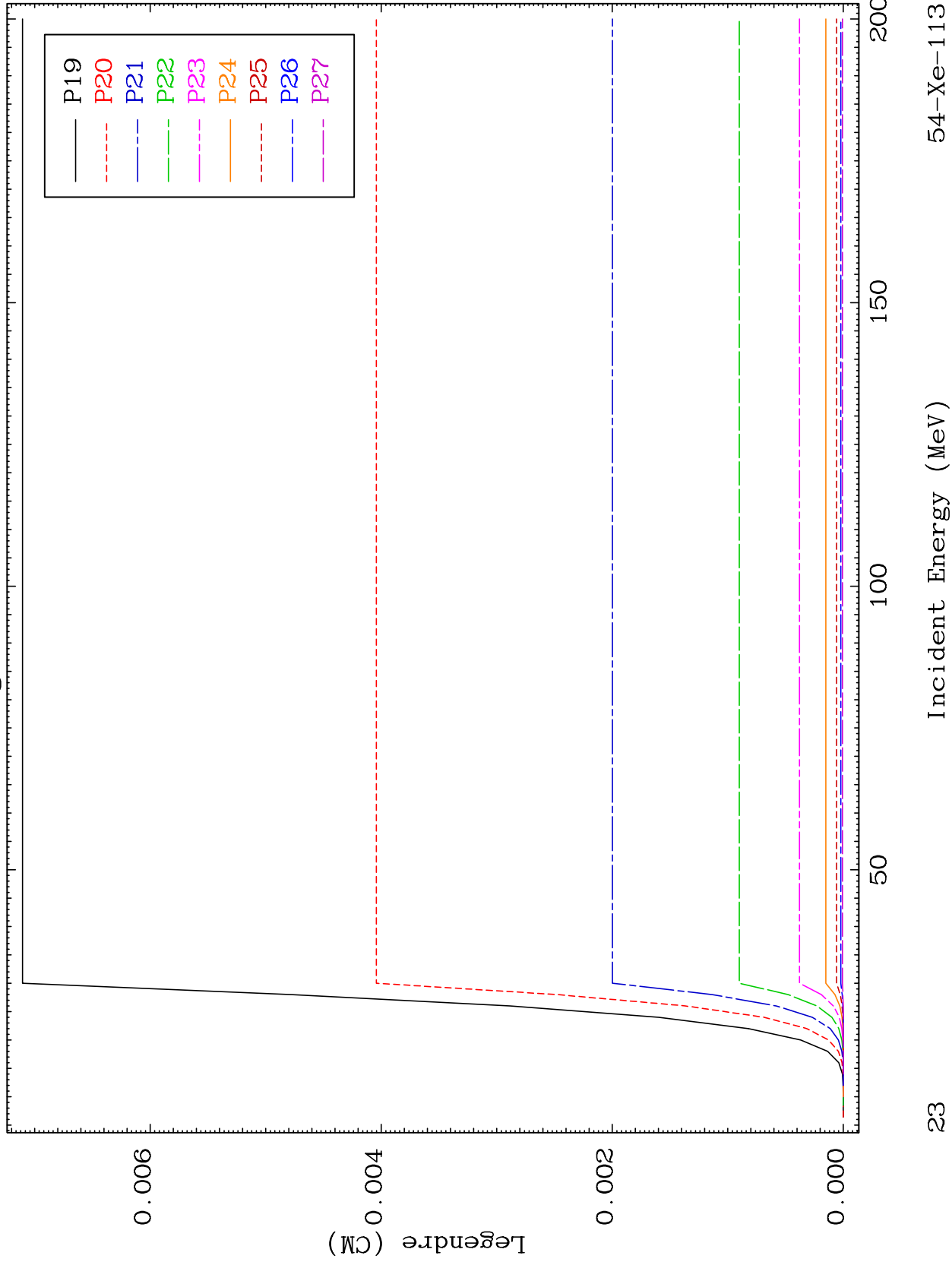
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



23

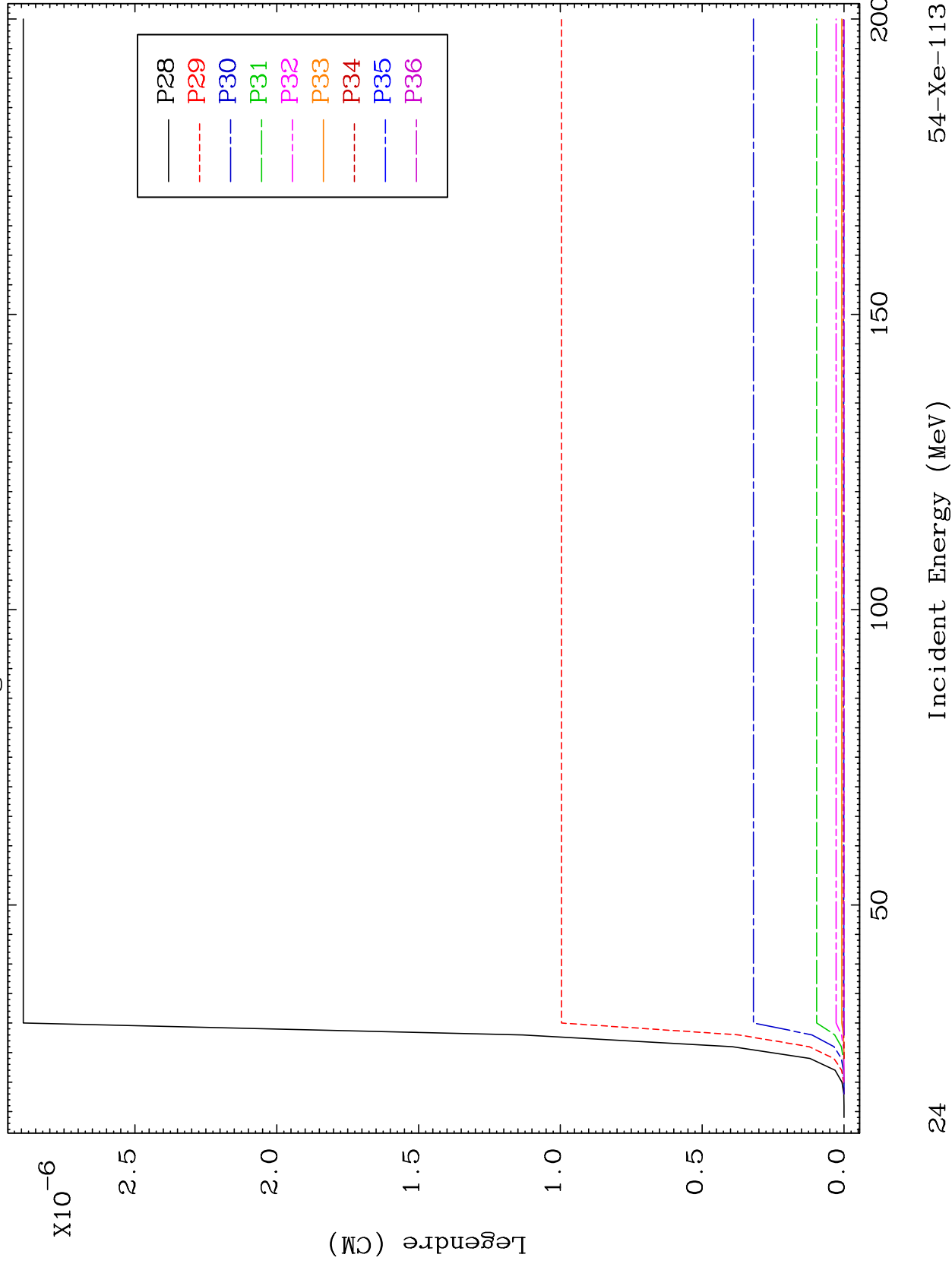
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113

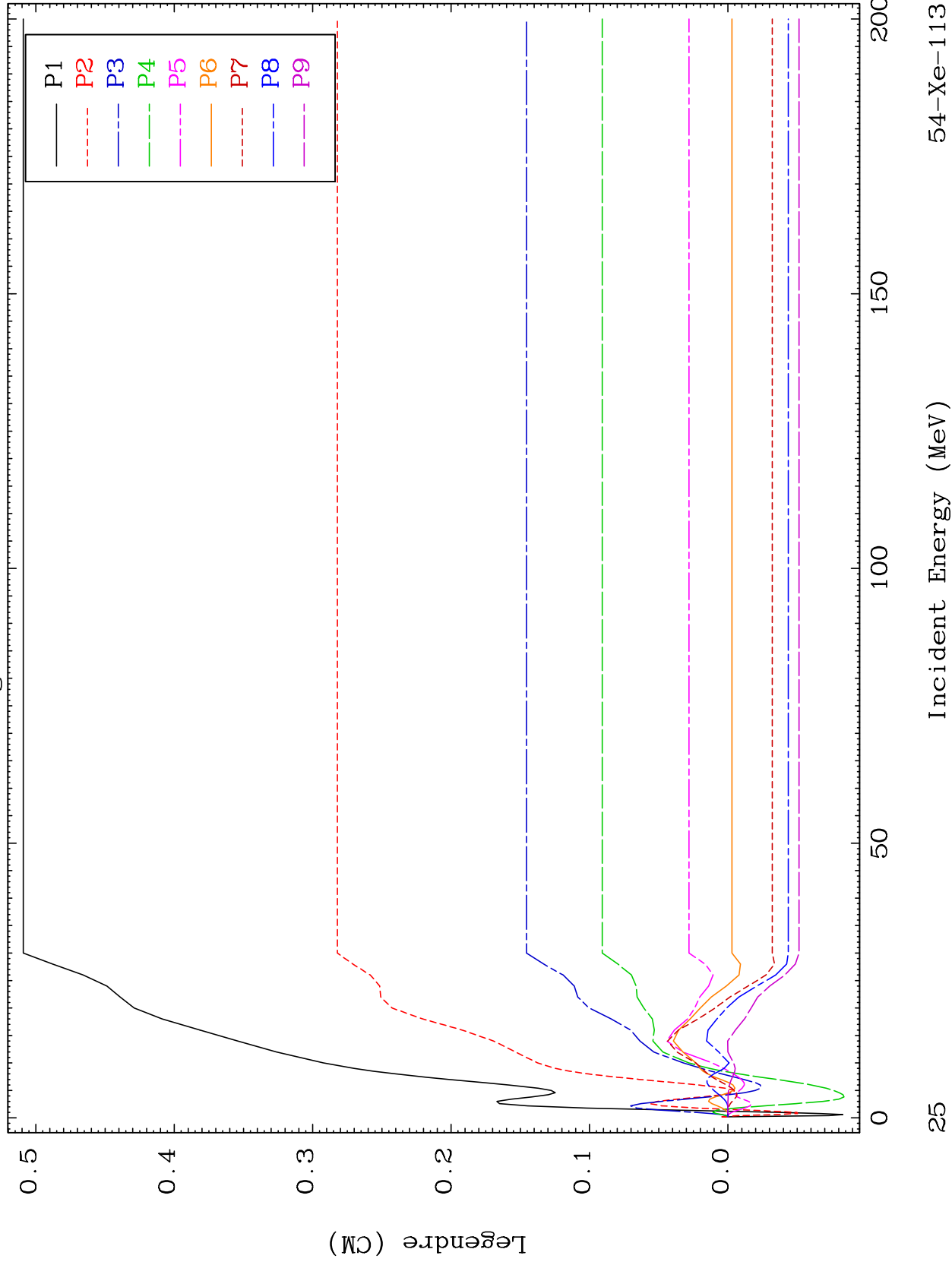


24

MAT 5392

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

54-Xe-113



54-Xe-113

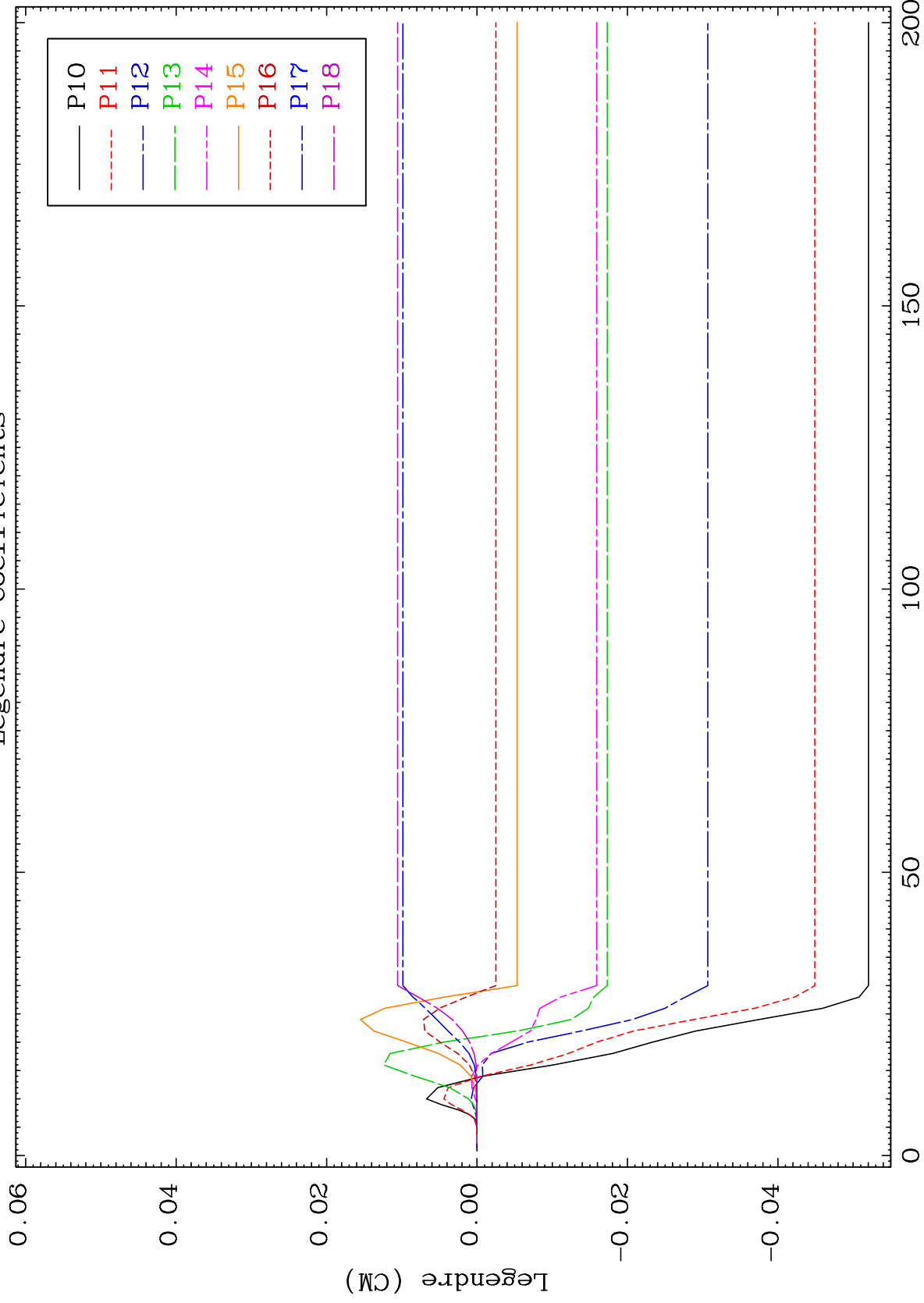
Incident Energy (MeV)

25

MAT 5392

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

54-Xe-113



26

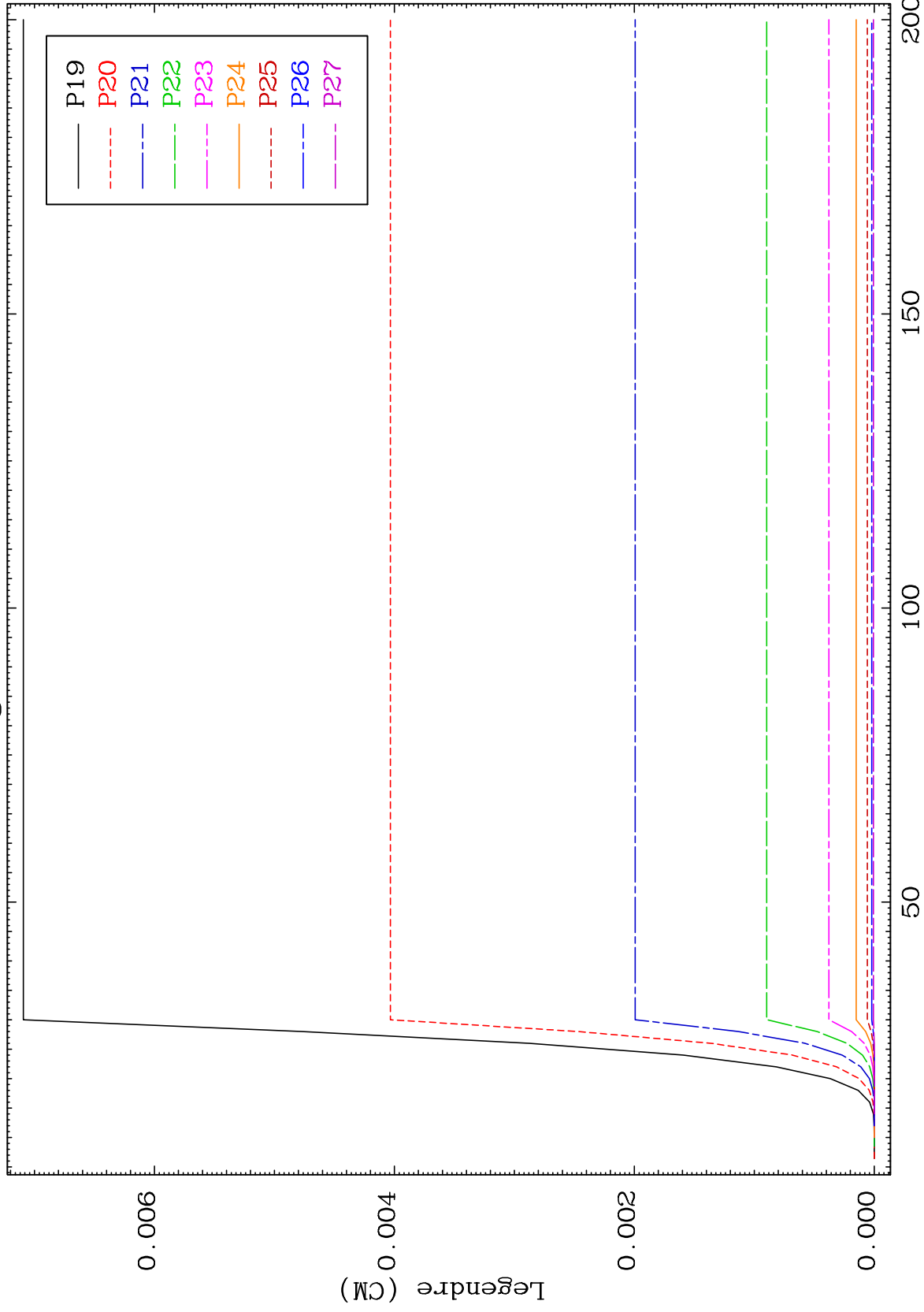
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



27

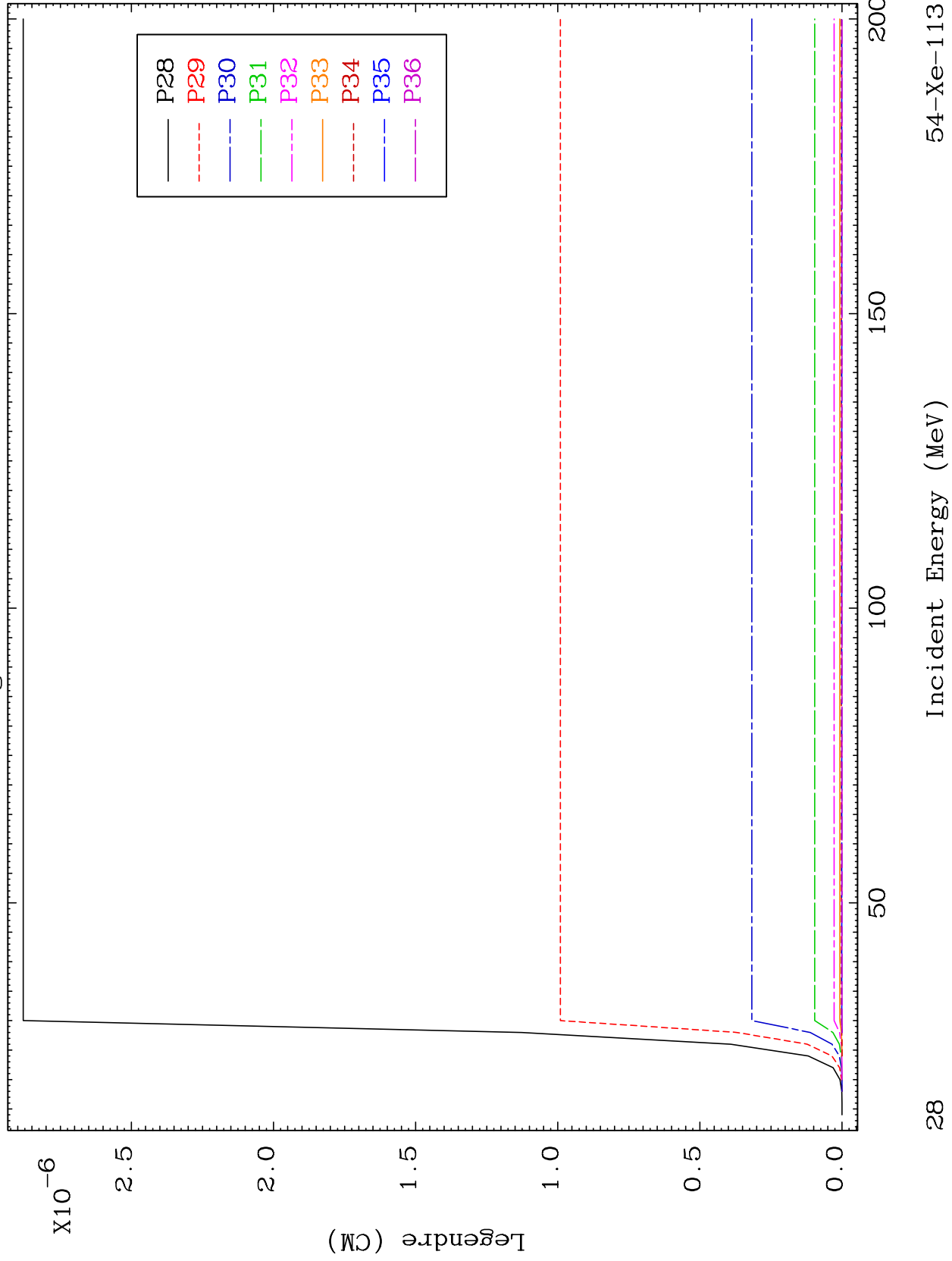
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



28

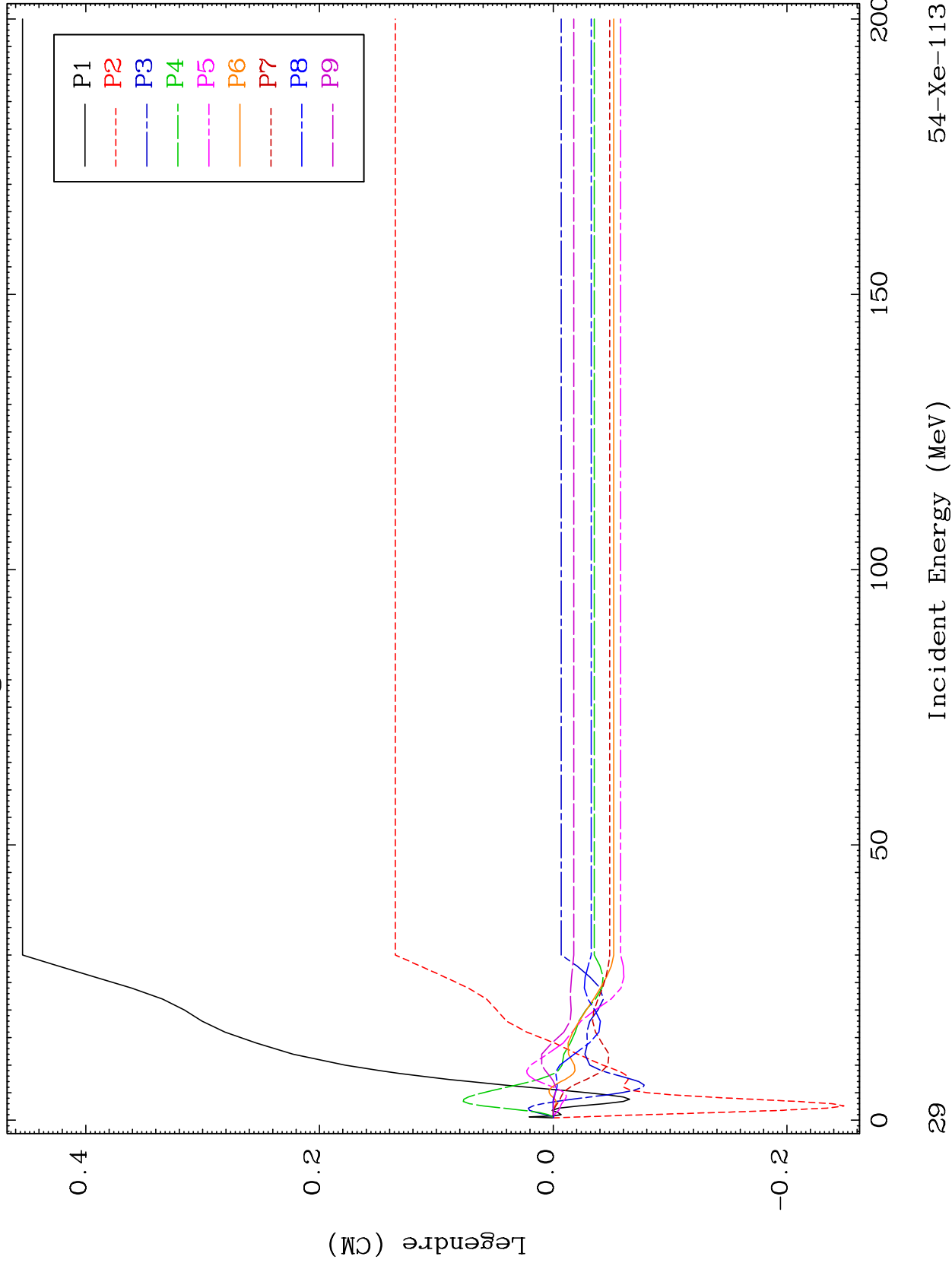
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



54-Xe-113

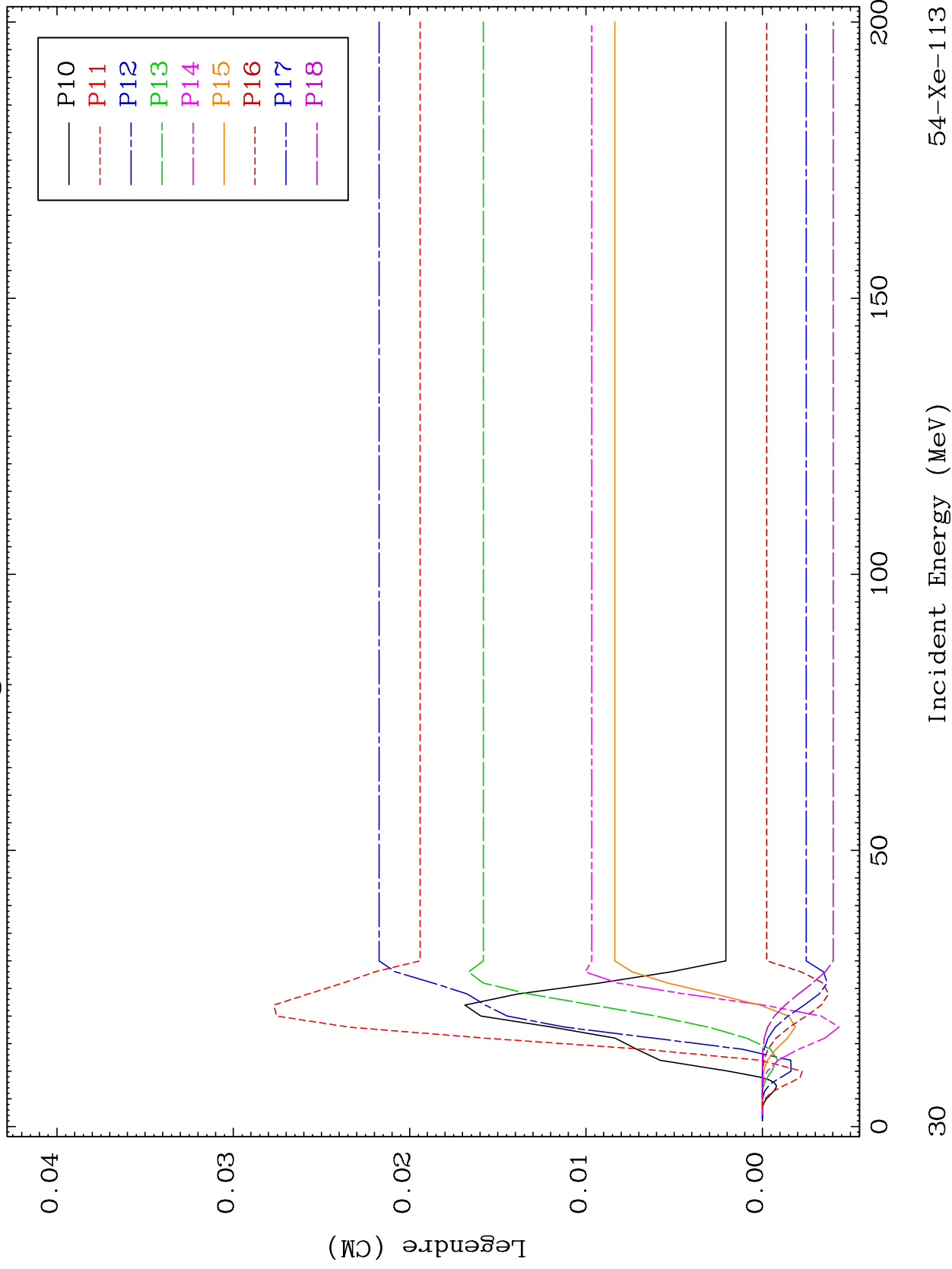
Incident Energy (MeV)

29

MAT 5392

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

54-Xe-113



54-Xe-113

Incident Energy (MeV)

30

200

150

100

50

0.04

0.03

0.02

0.01

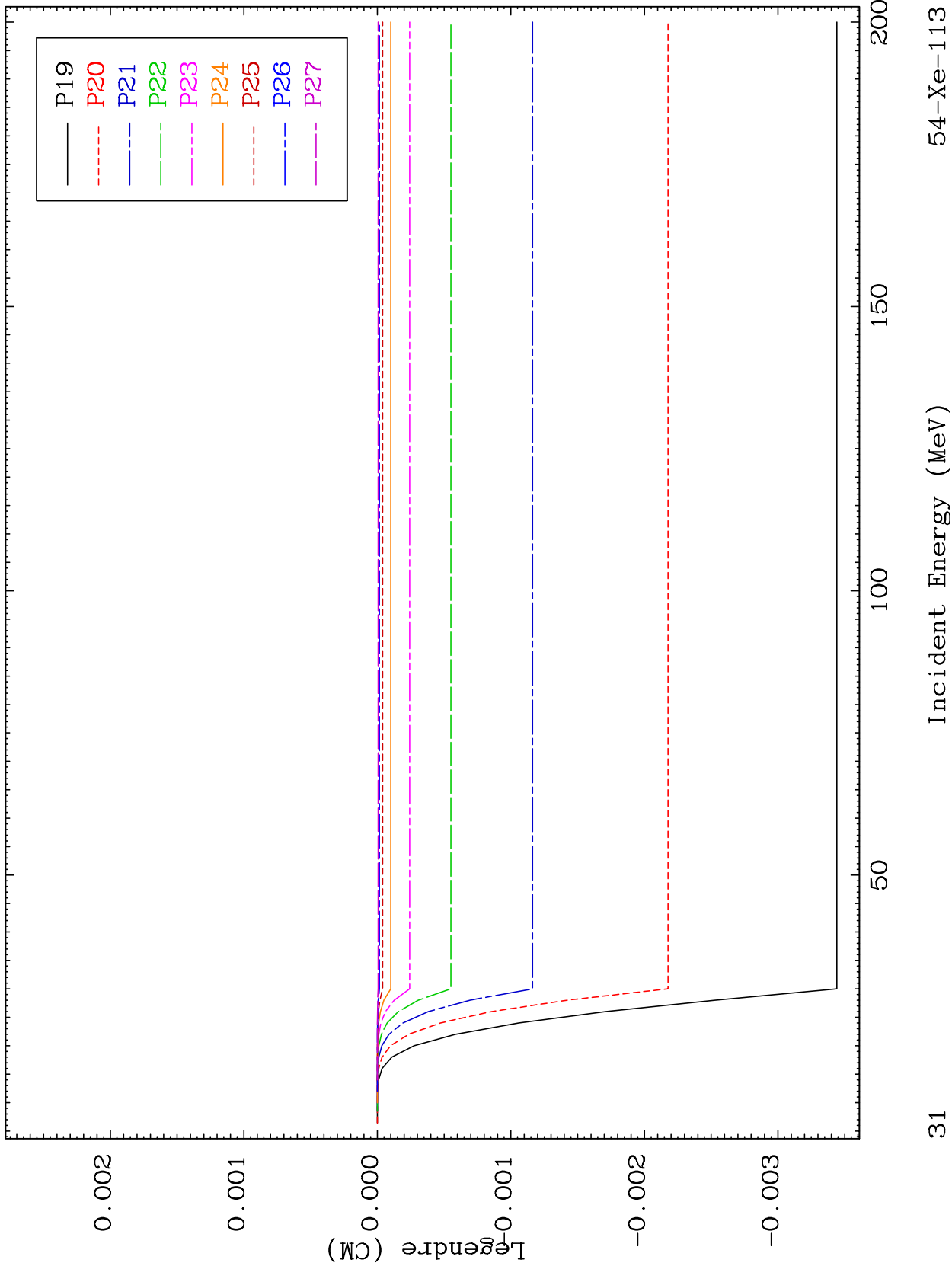
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Legendre (CM)

MAT 5392

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

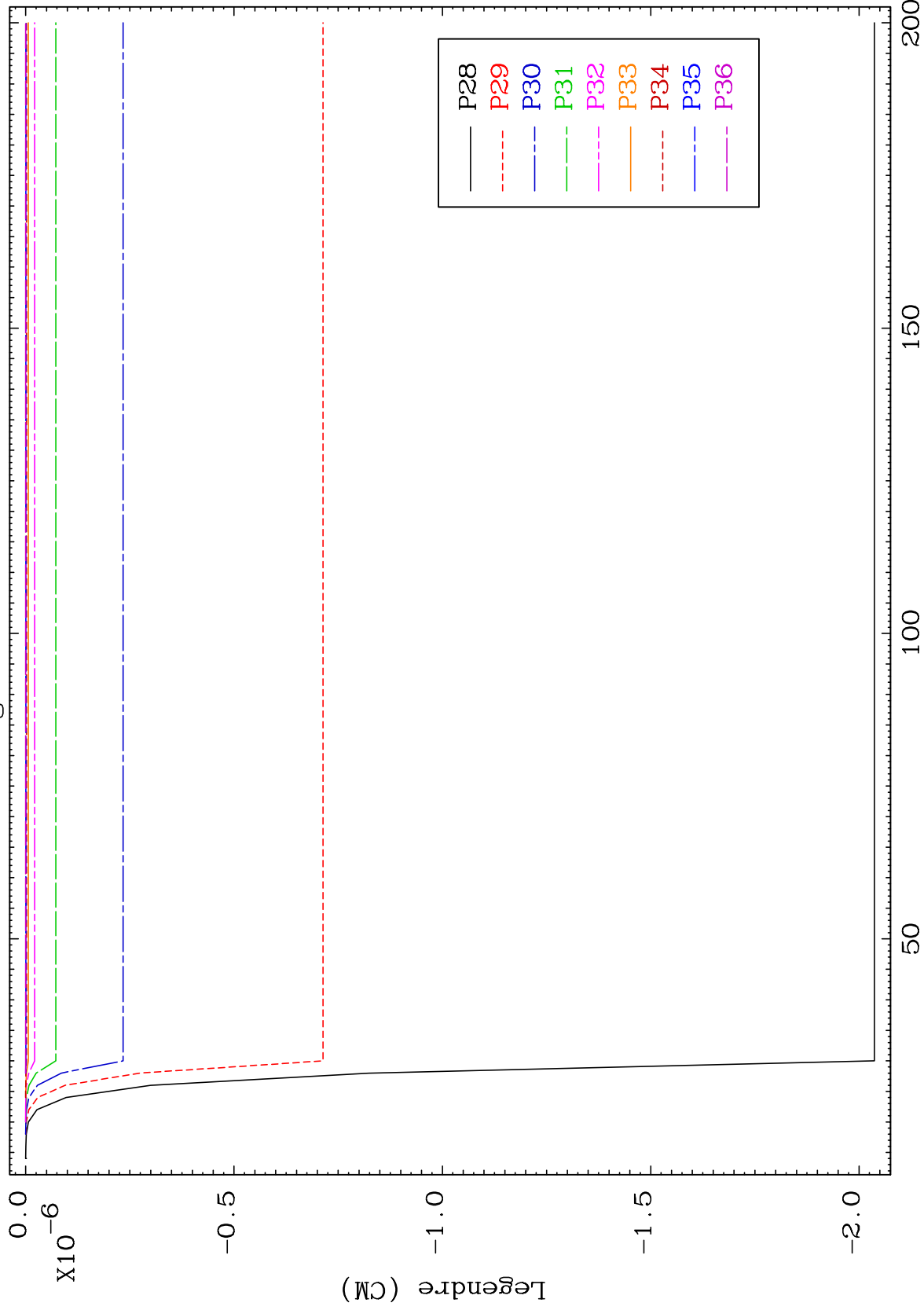
54-Xe-113



MAT 5392

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

54-Xe-113



32

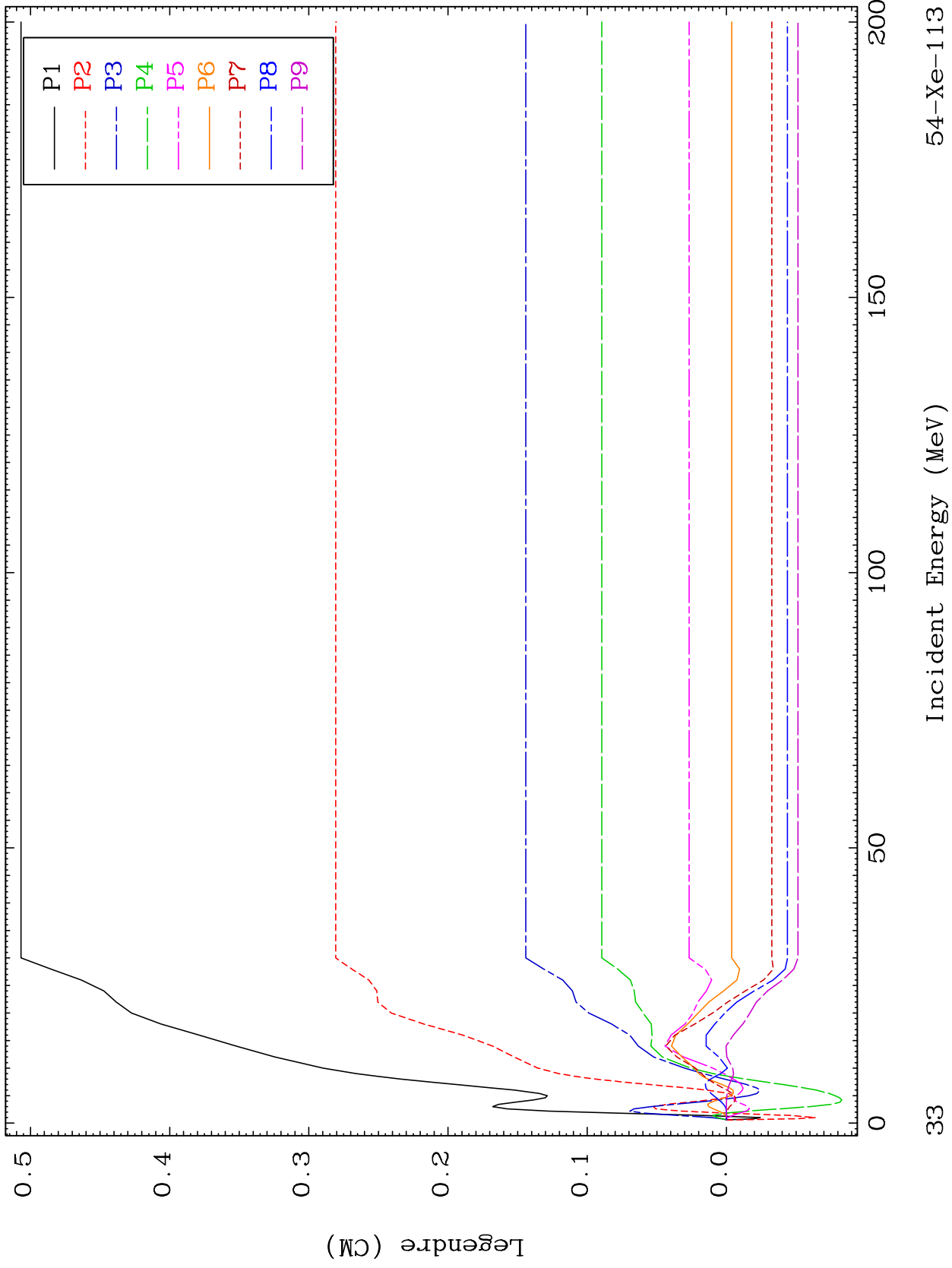
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



54-Xe-113

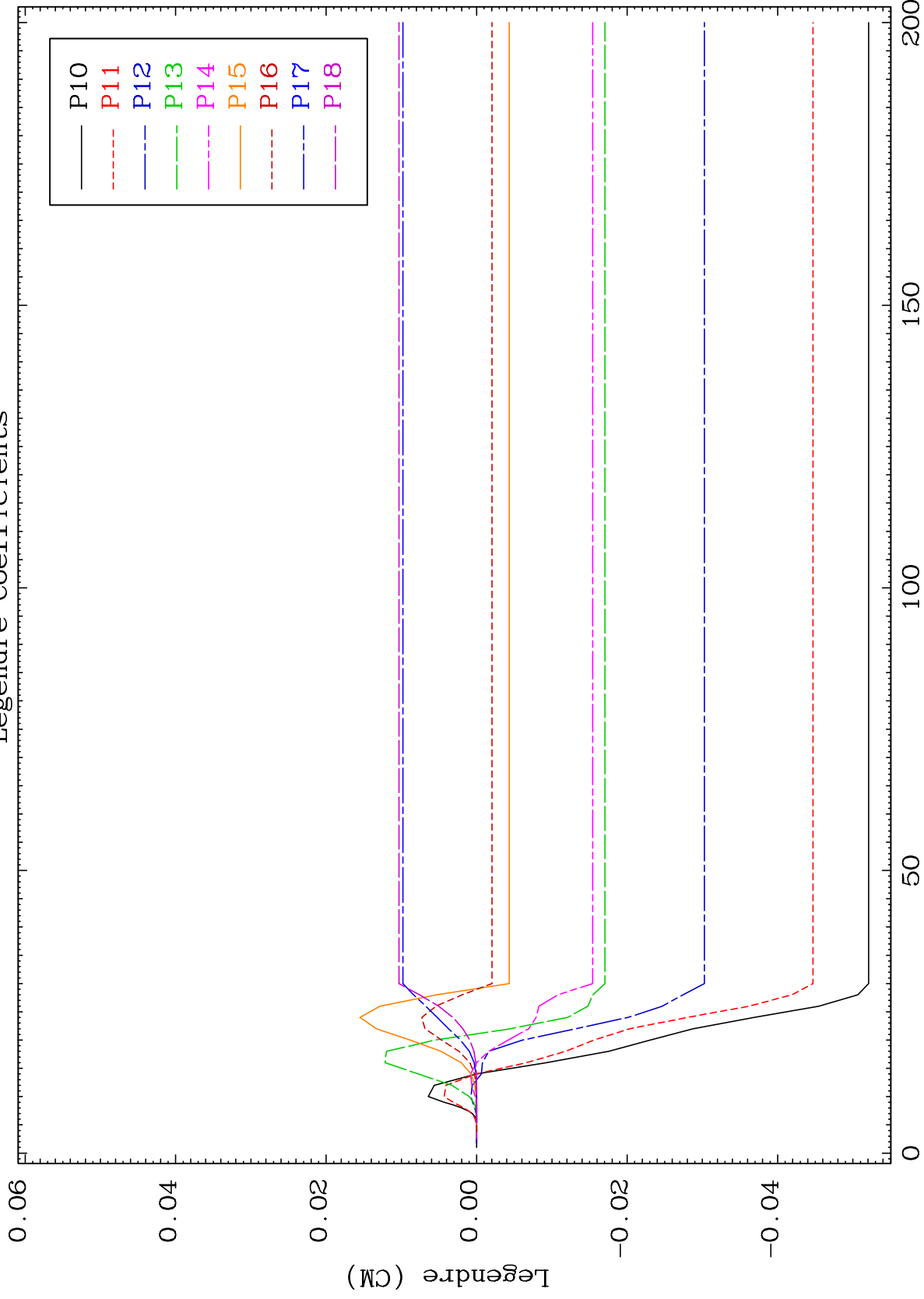
Incident Energy (MeV)

33

MAT 5392

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

54-Xe-113



34

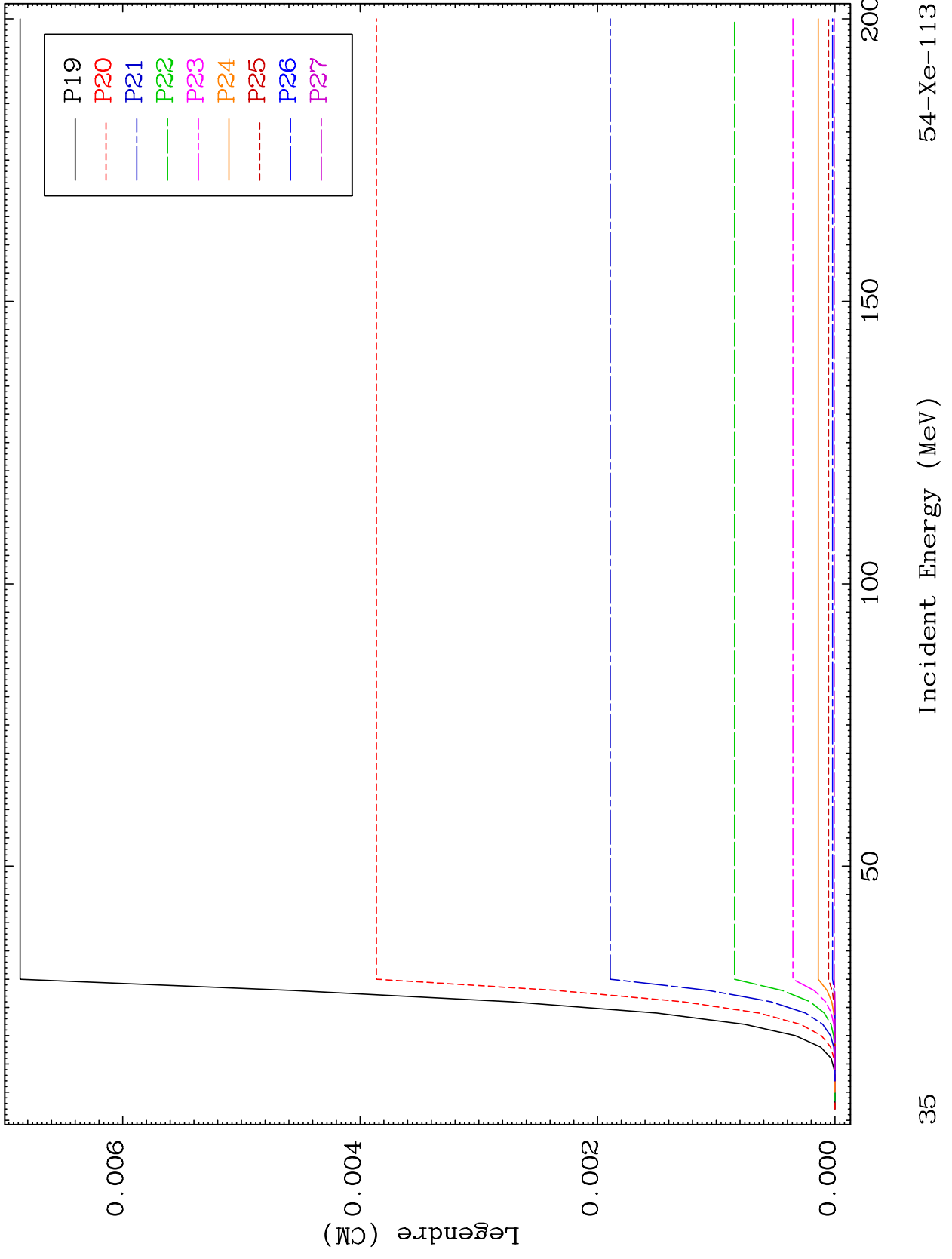
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



35

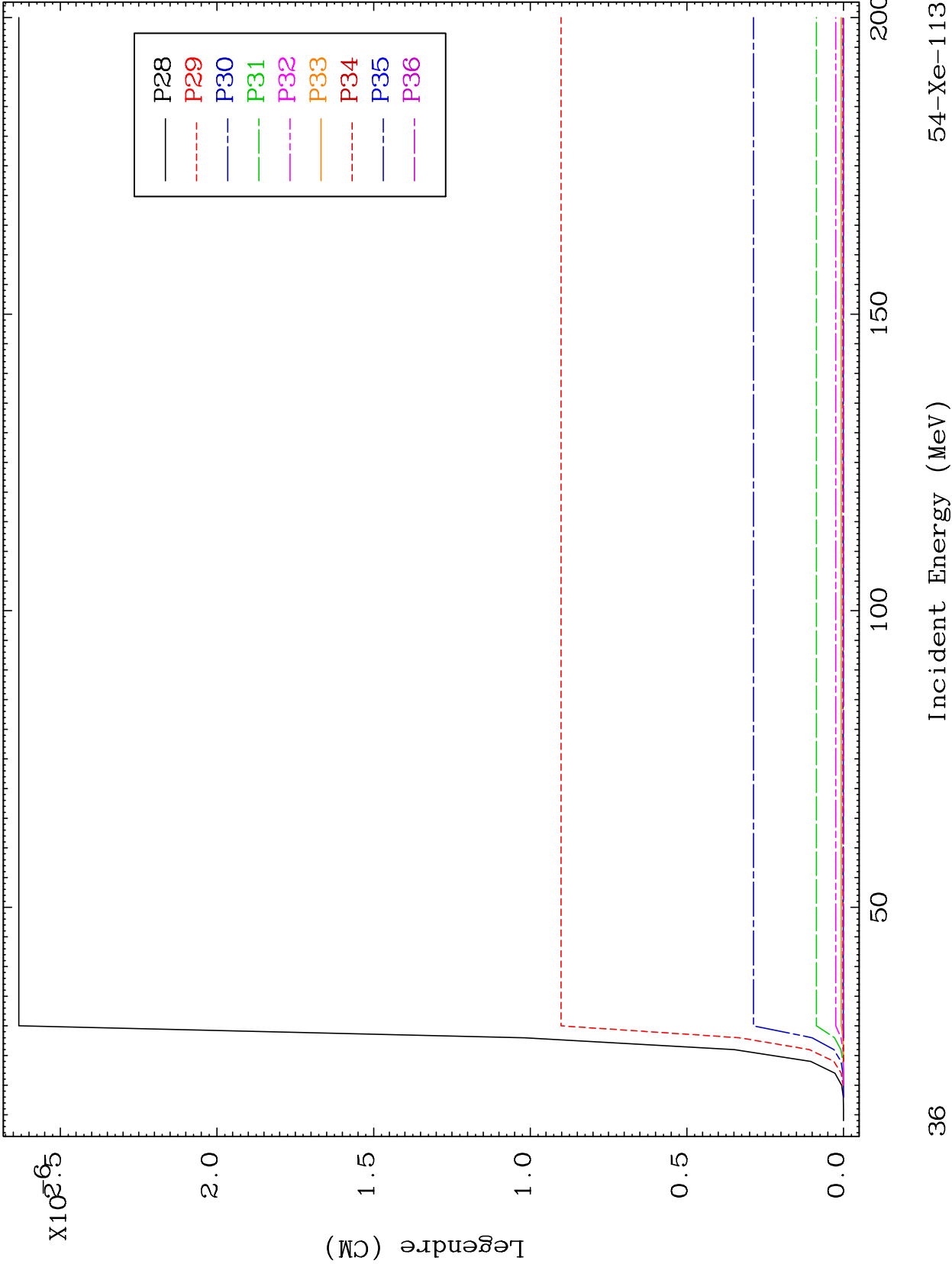
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



36

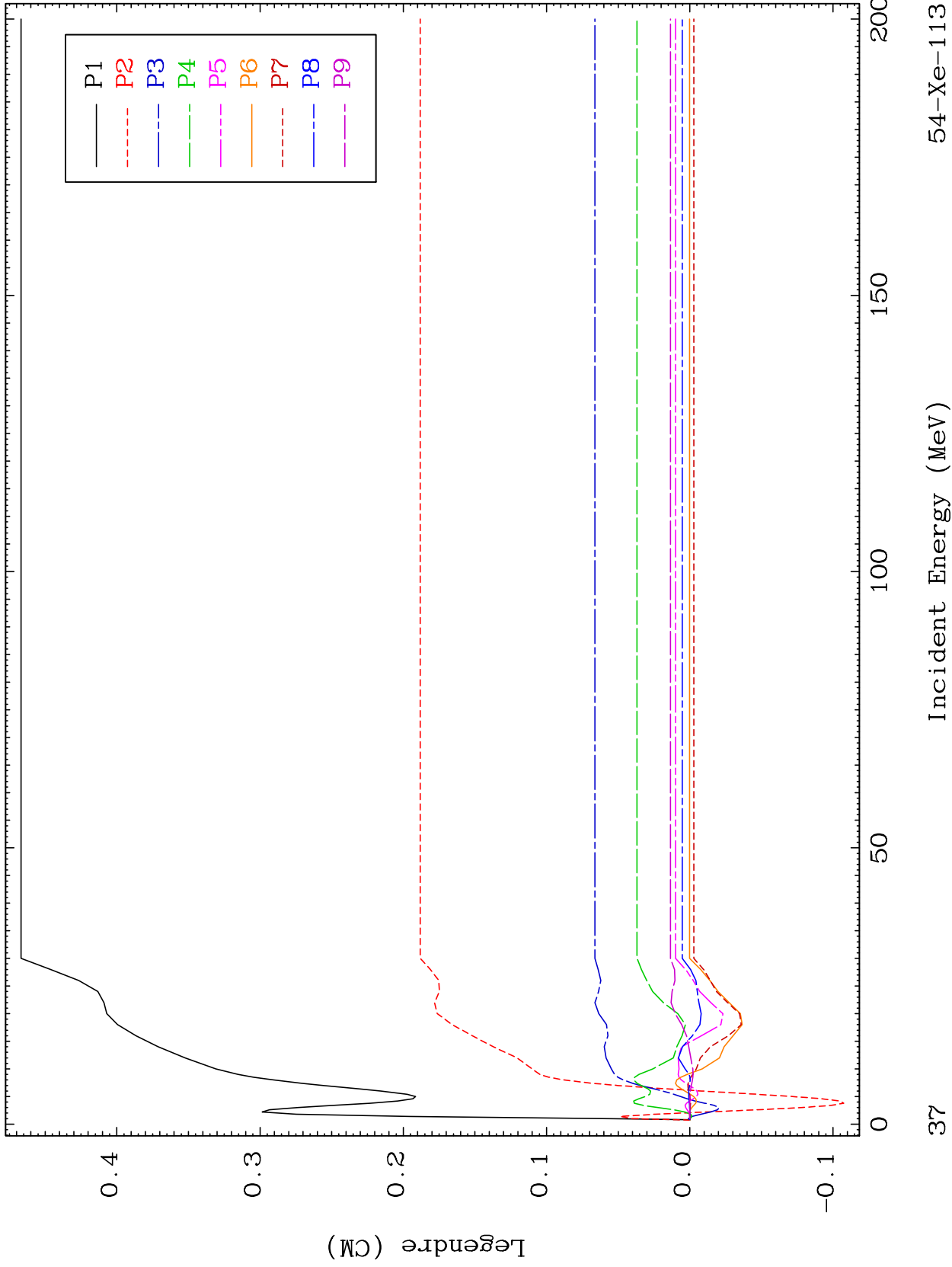
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



54-Xe-113

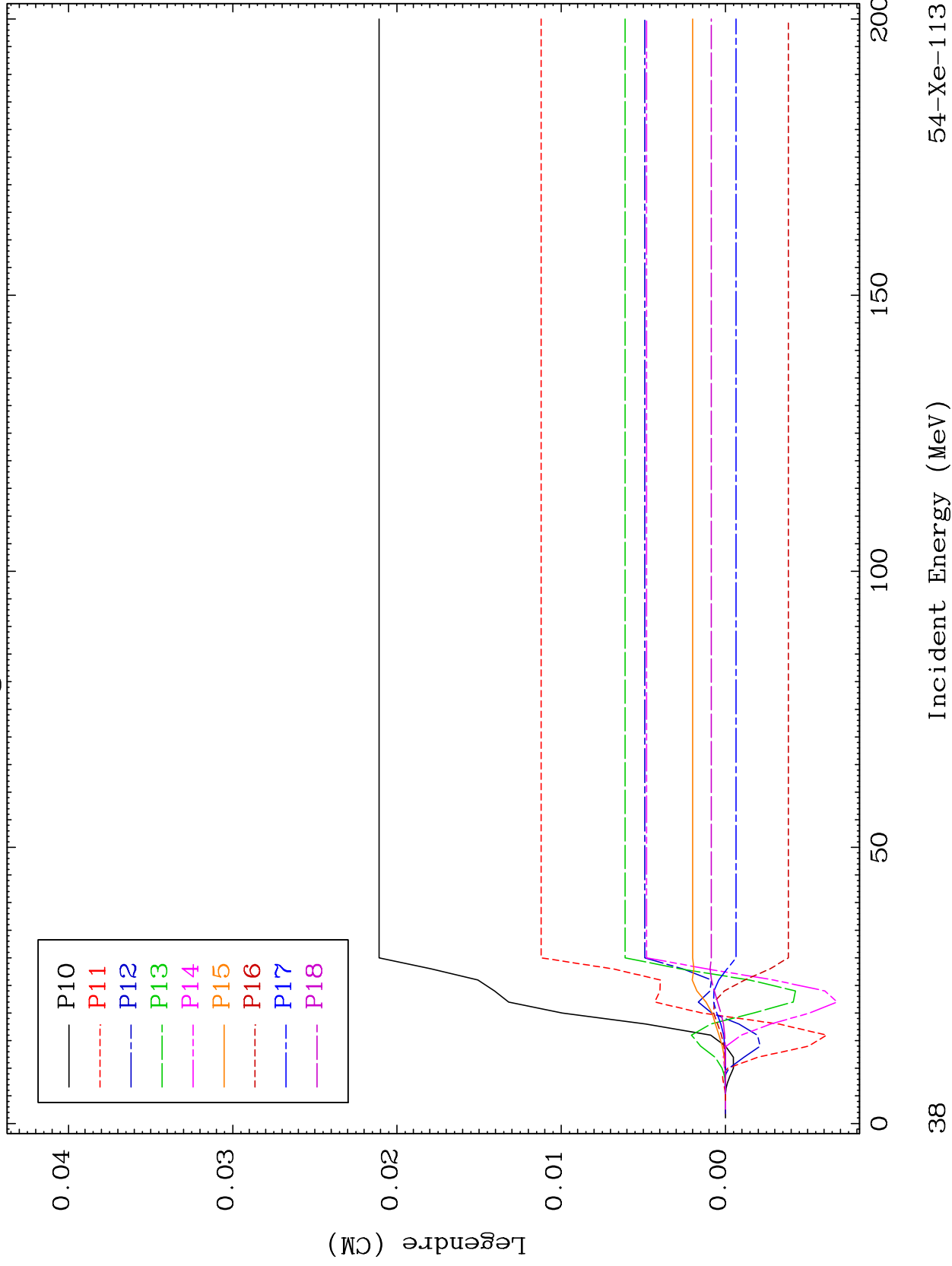
Incident Energy (MeV)

37

MAT 5392

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

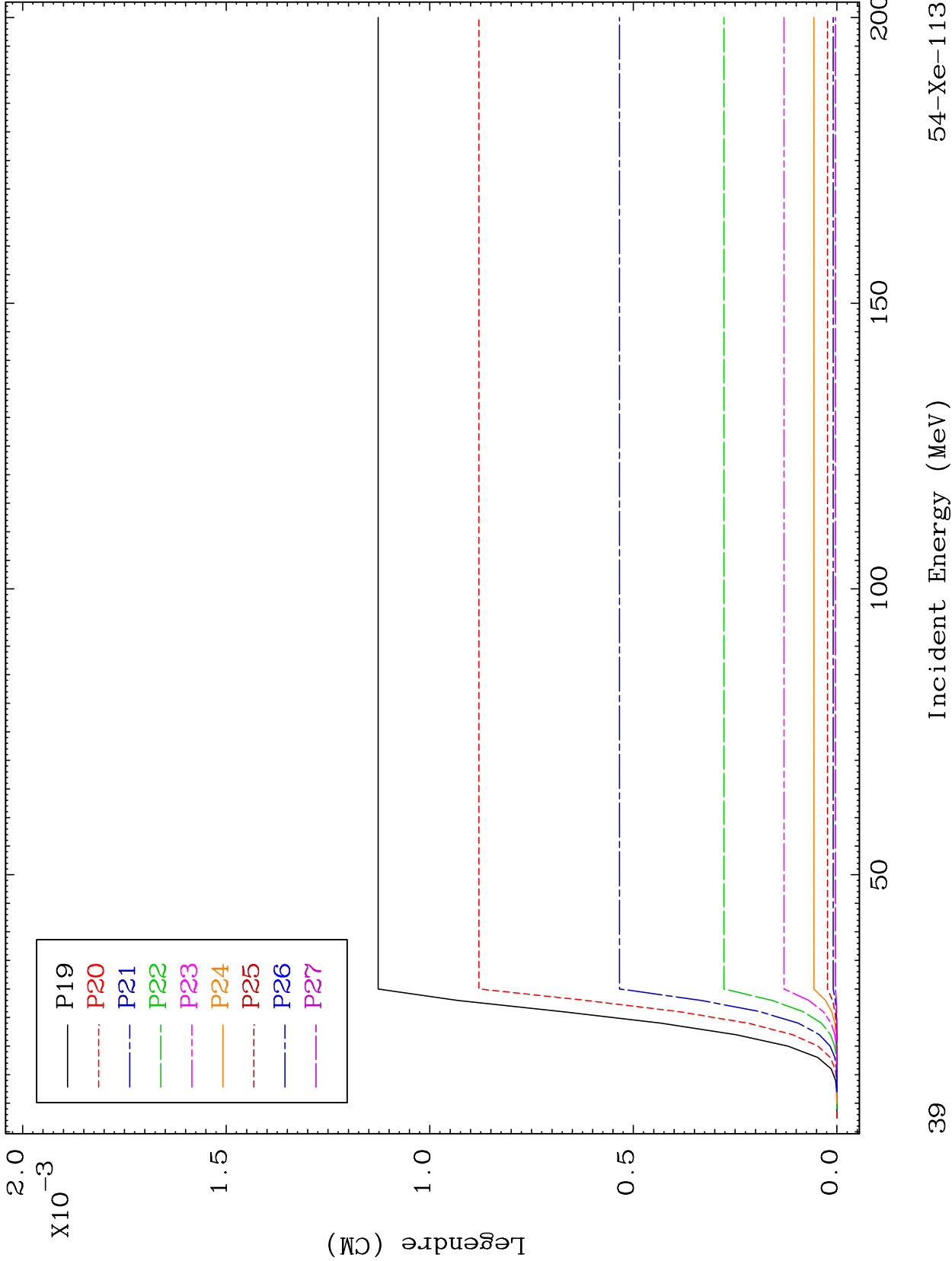
54-Xe-113



54-Xe-113

Incident Energy (MeV)

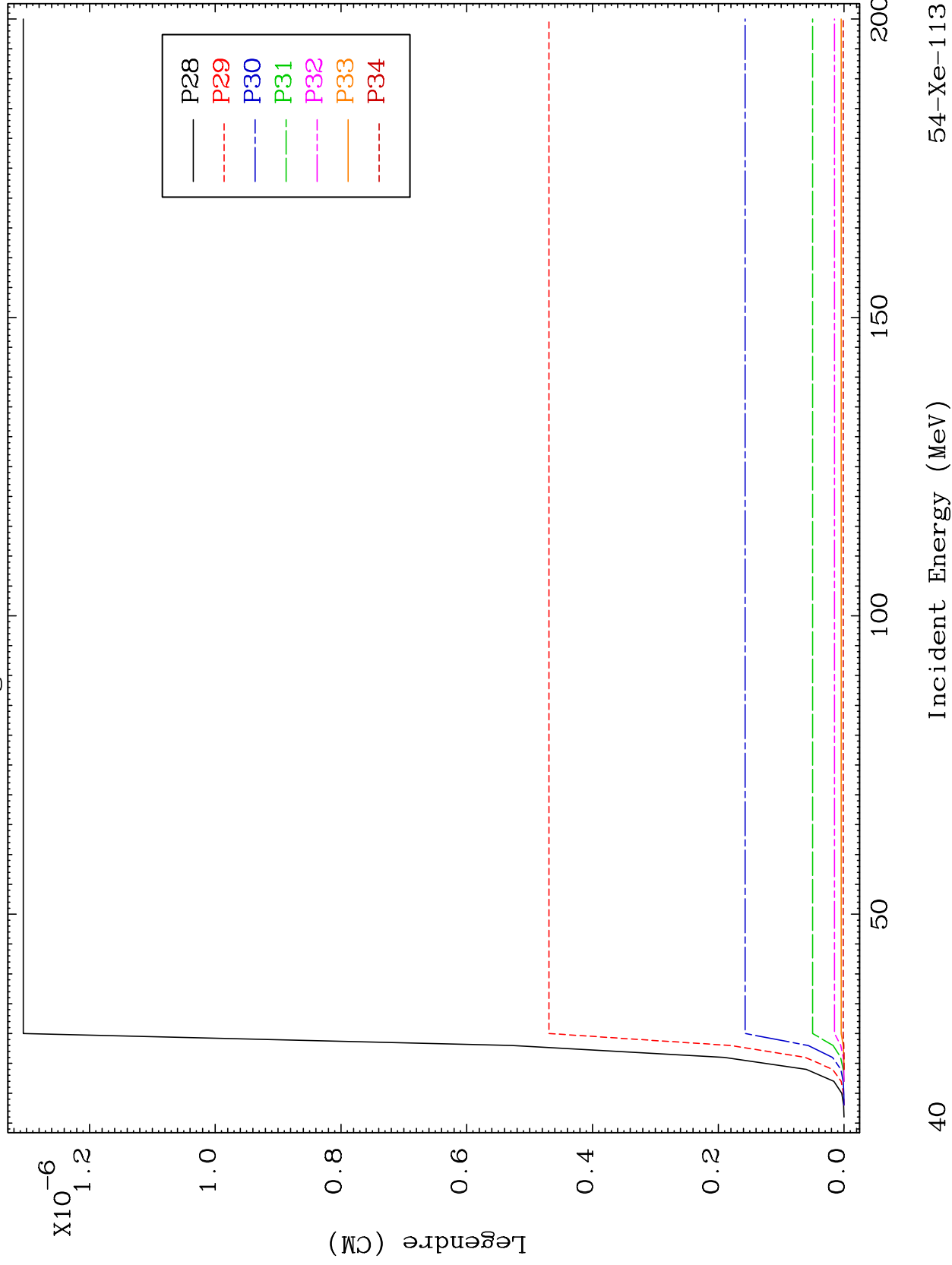
38



MAT 5392

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

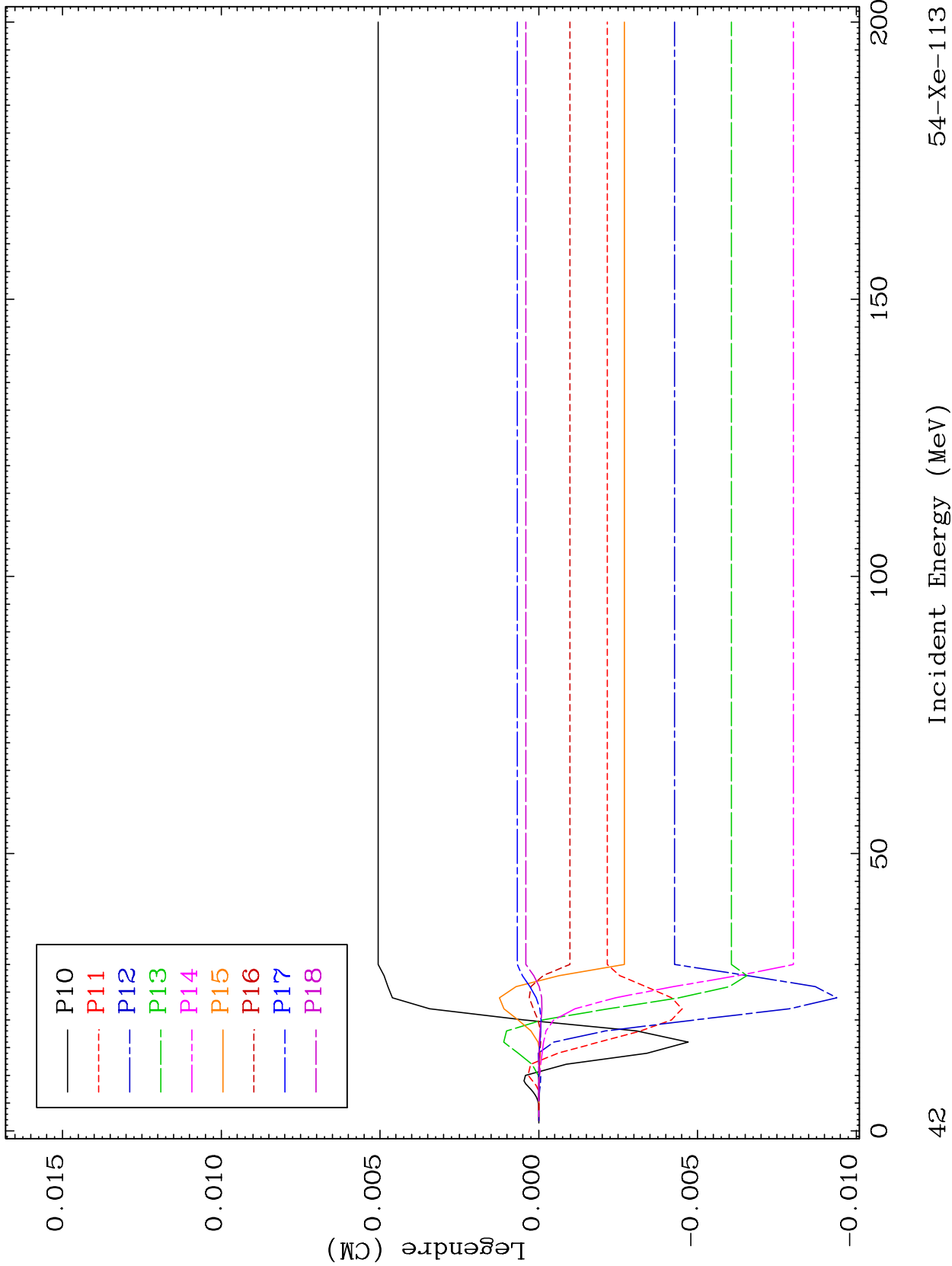
54-Xe-113



MAT 5392

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

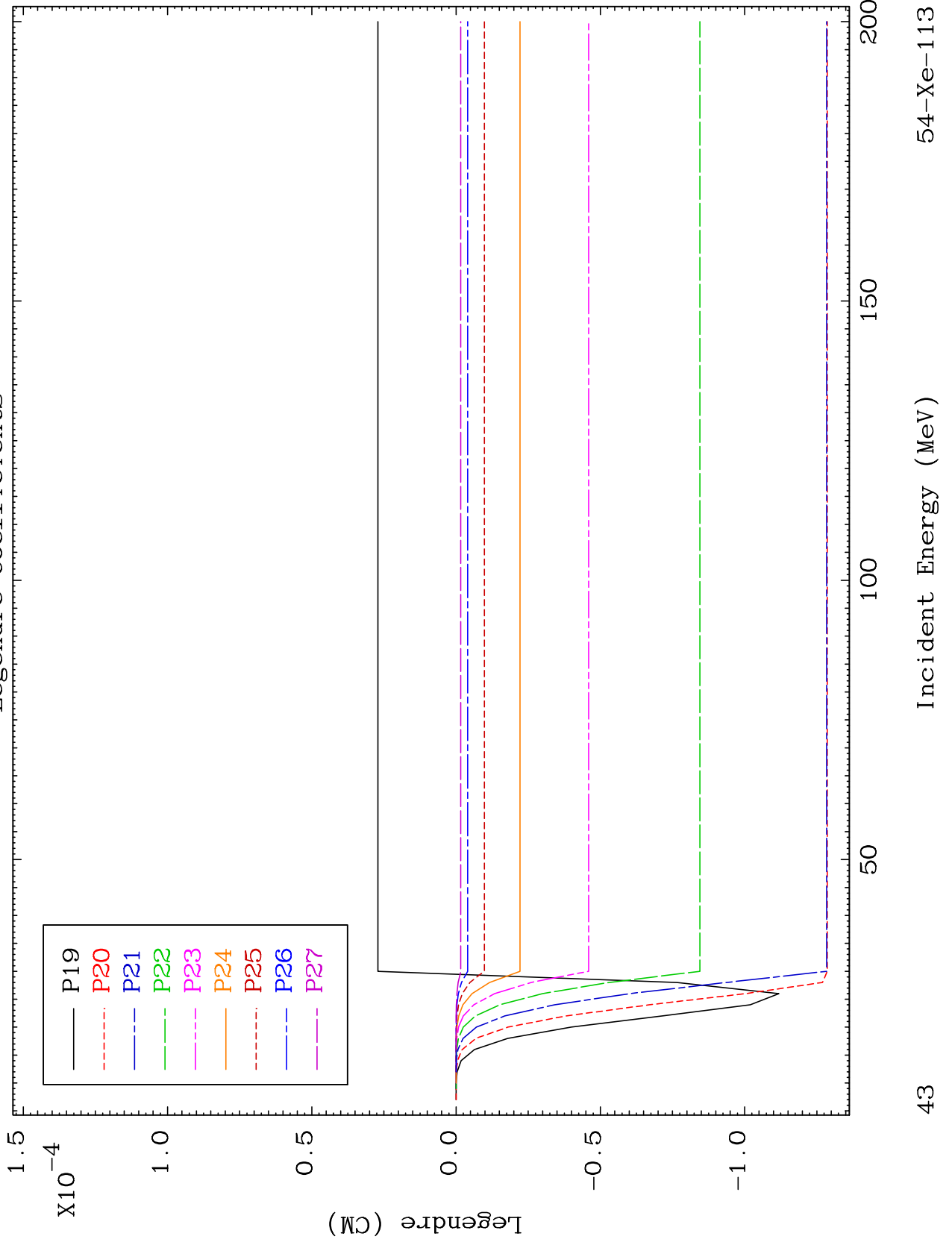
54-Xe-113



54-Xe-113

Incident Energy (MeV)

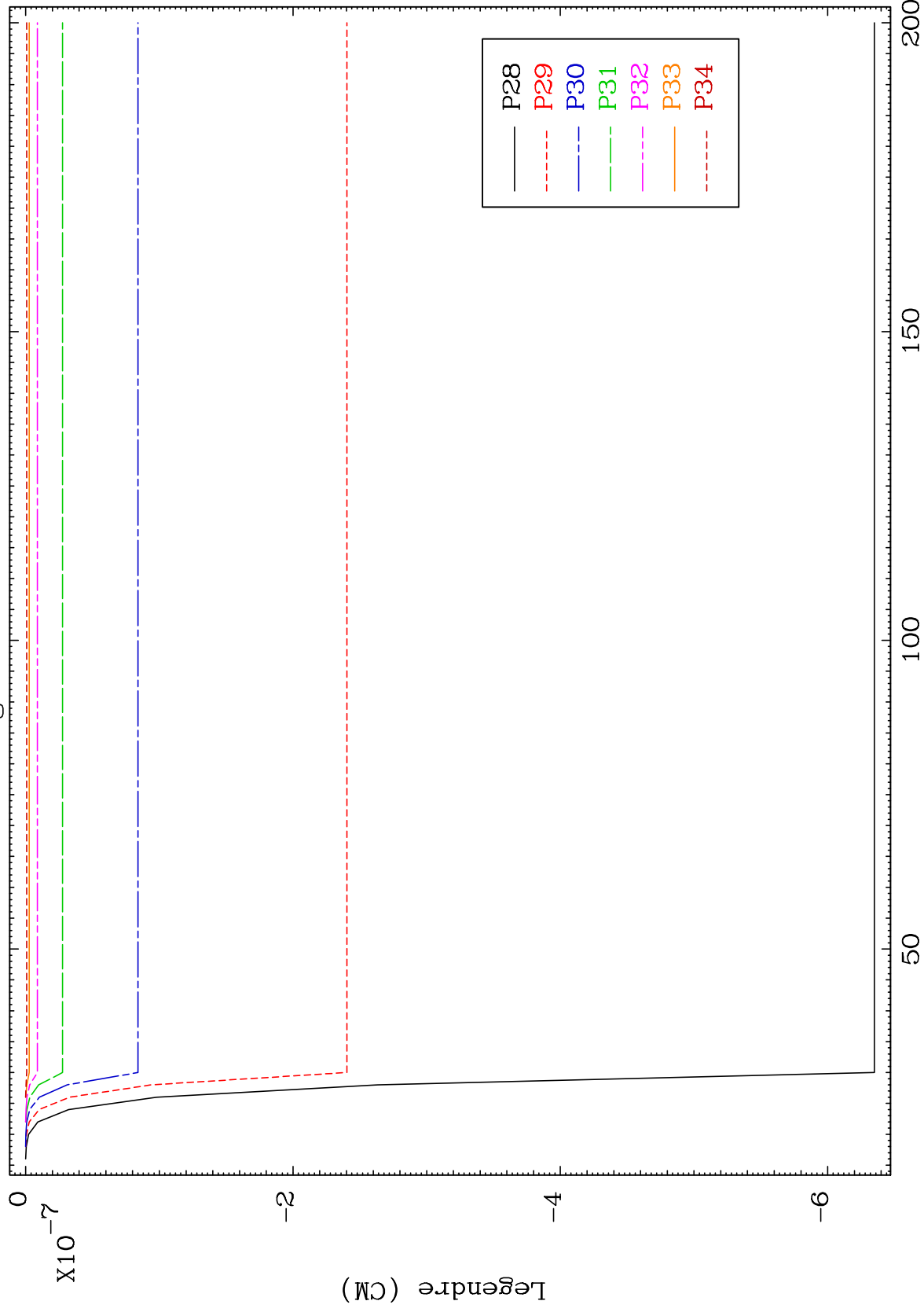
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MAT 5392

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

54-Xe-113



44

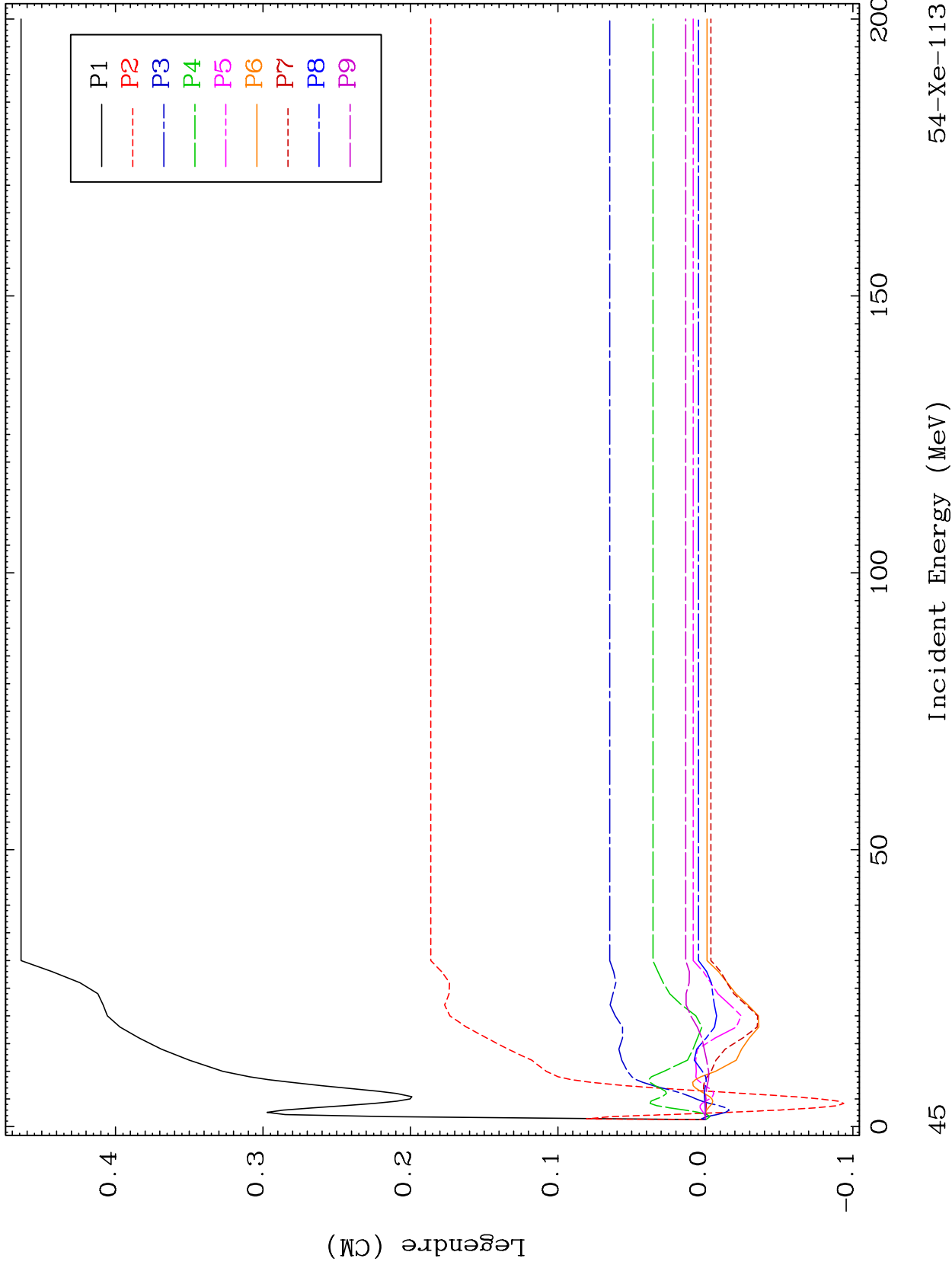
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



54-Xe-113

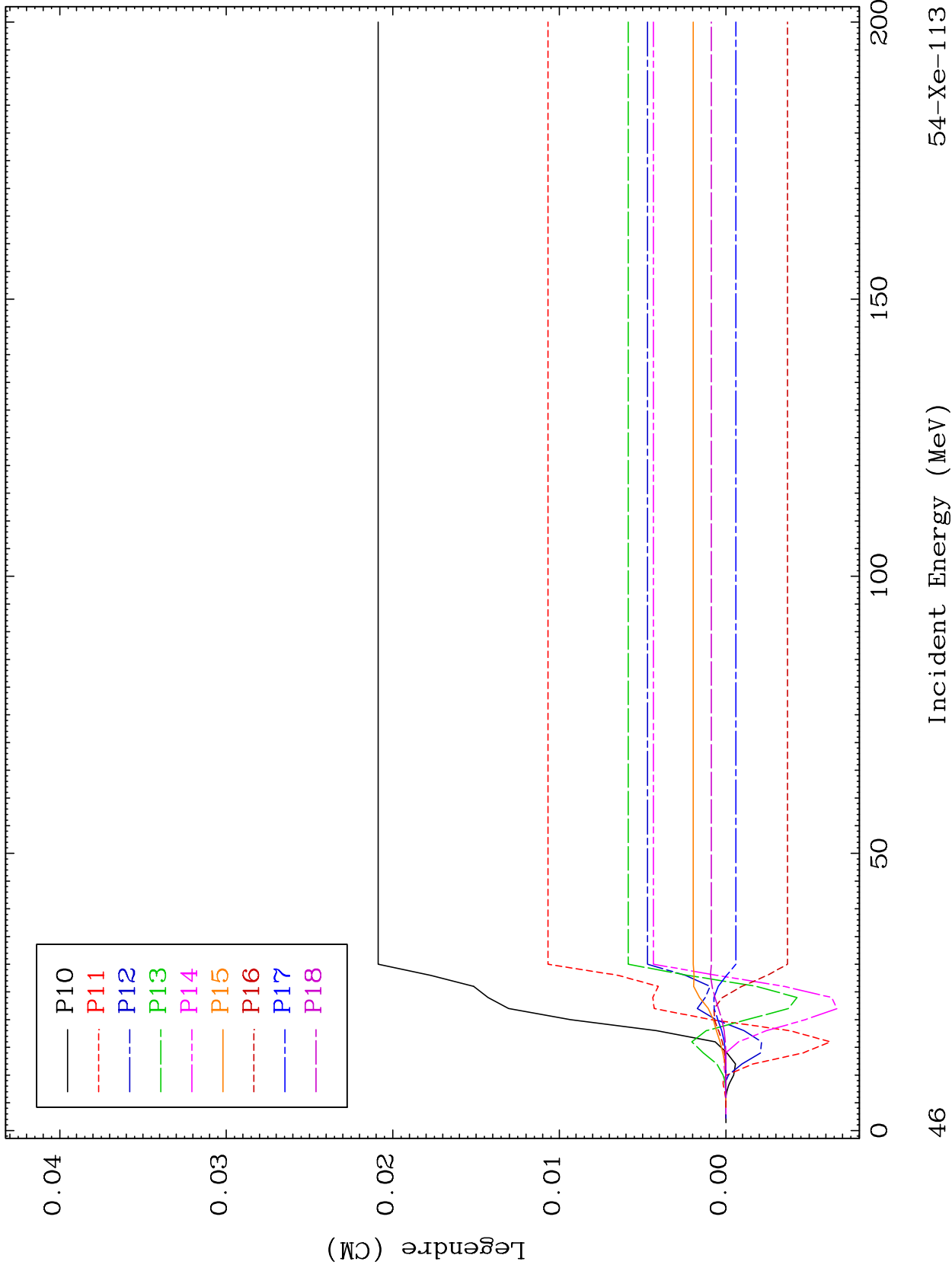
Incident Energy (MeV)

45

MAT 5392

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

54-Xe-113



46

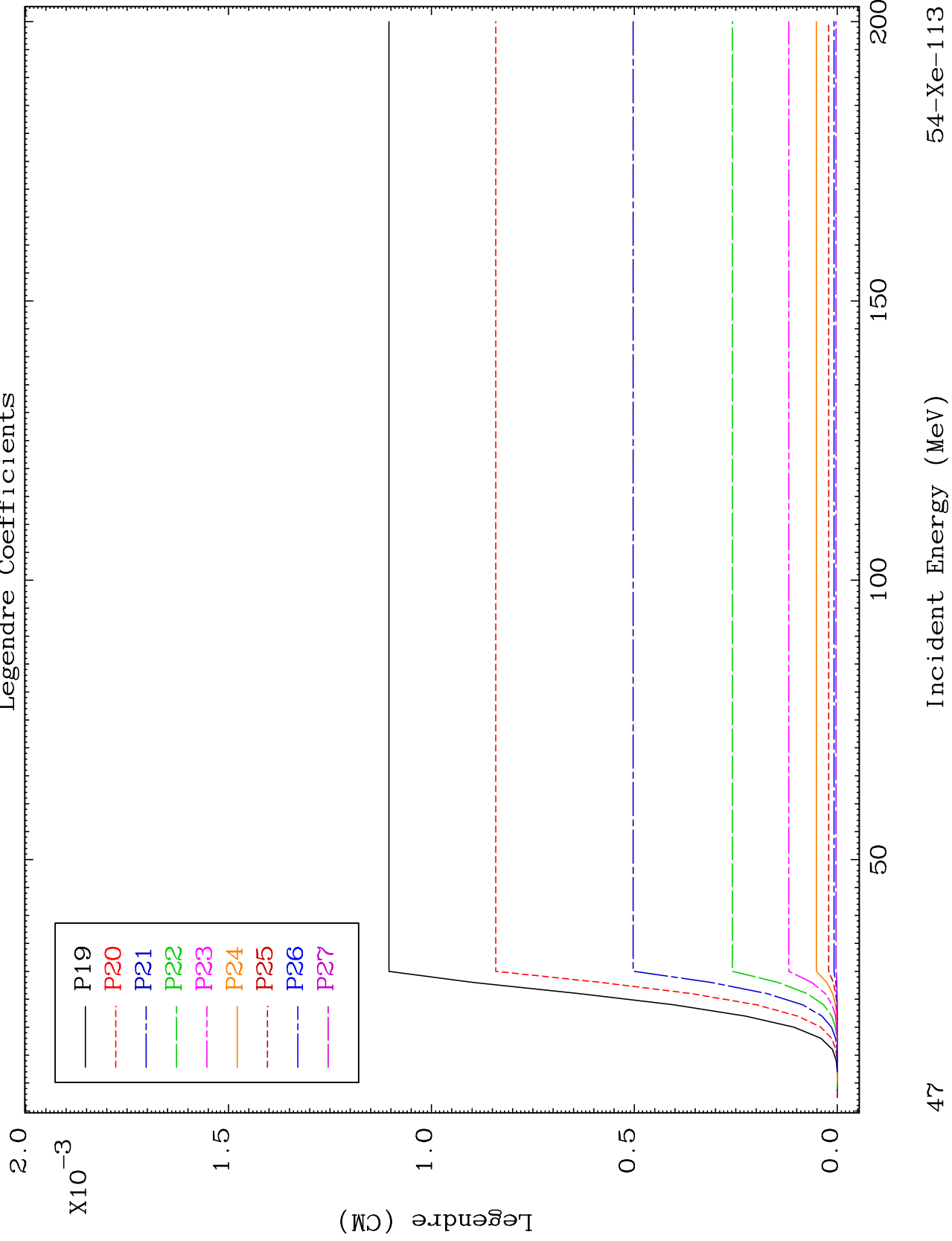
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

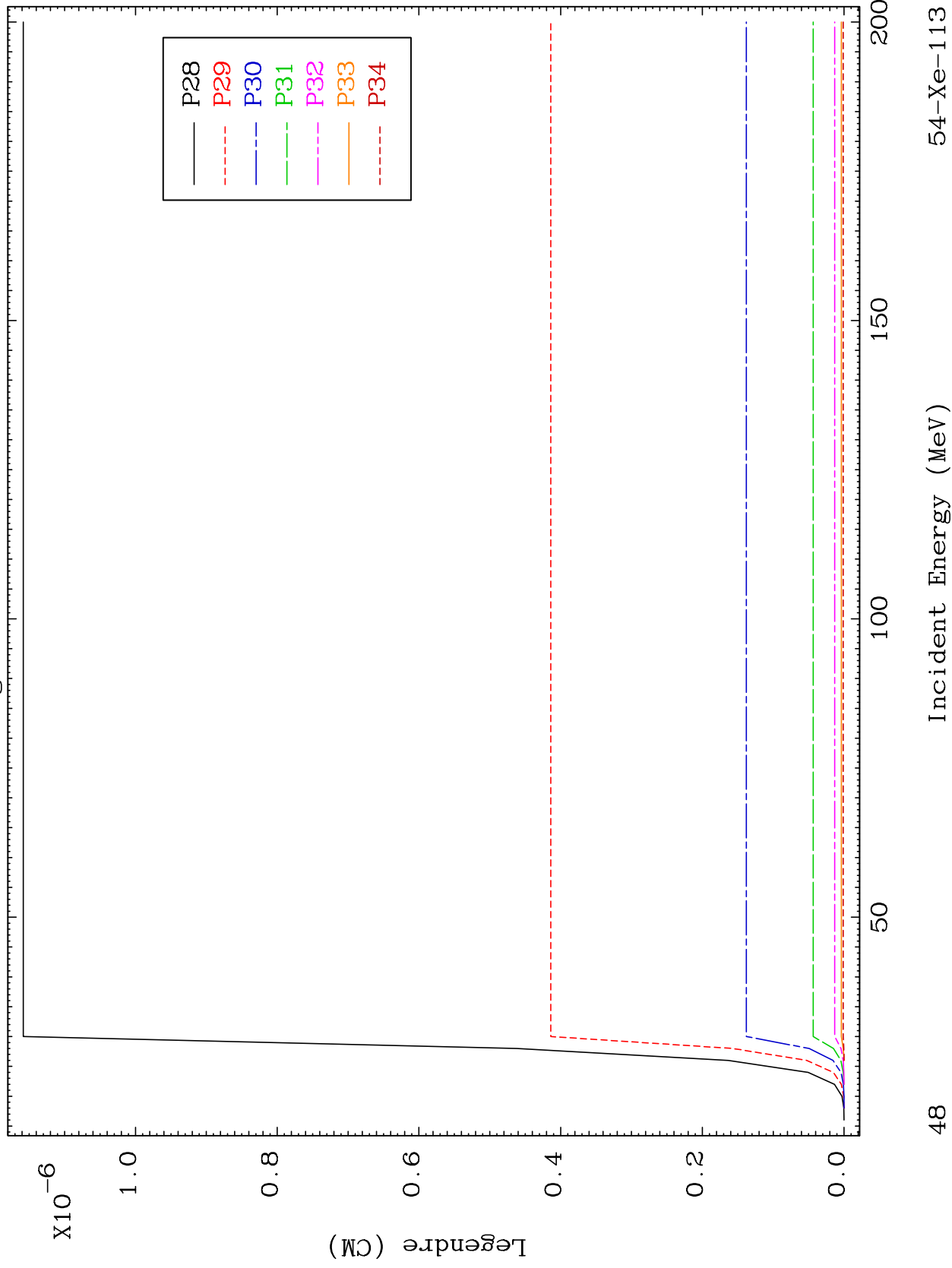
54-Xe-113



MAT 5392

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

54-Xe-113



48

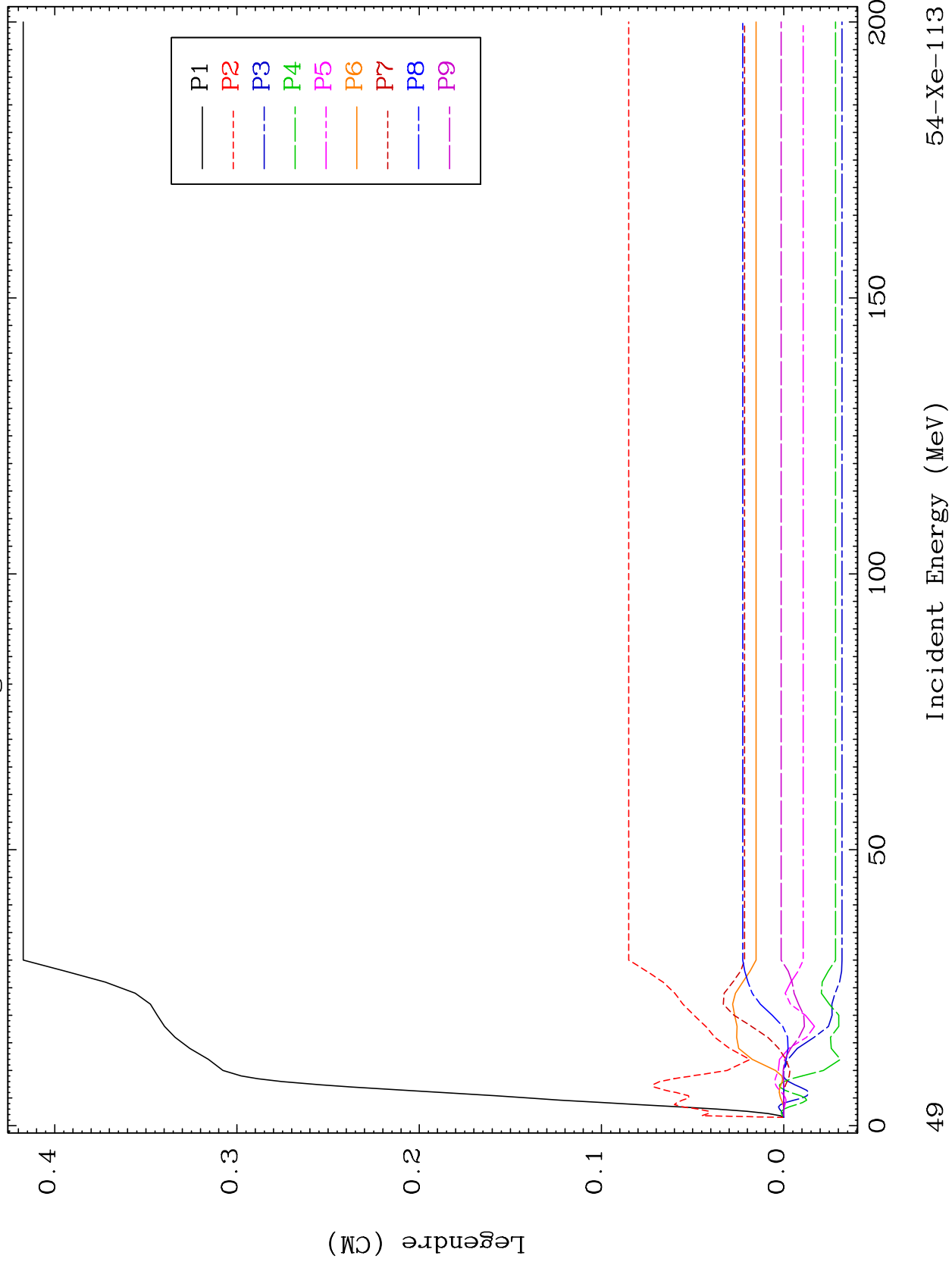
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



54-Xe-113

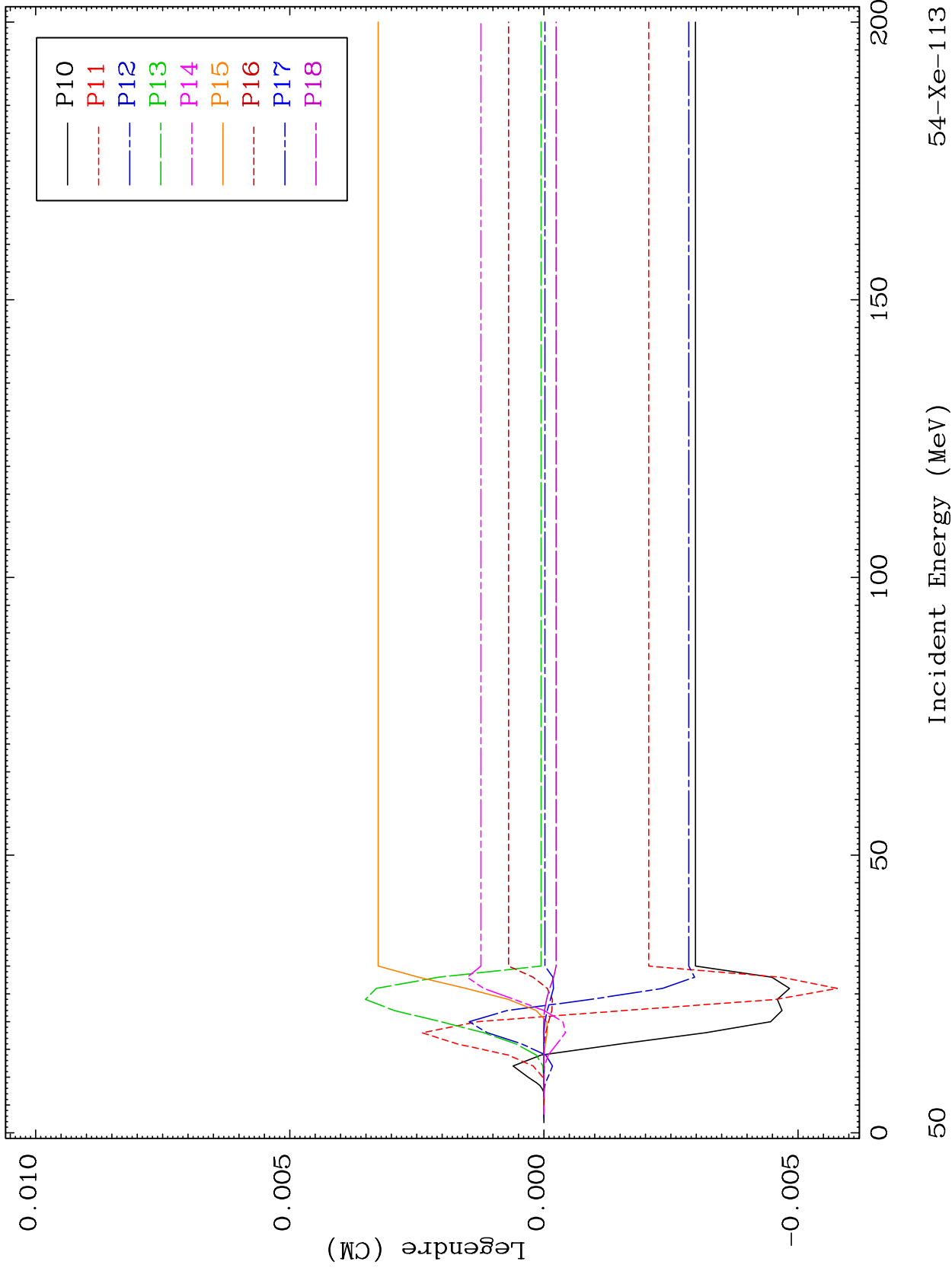
Incident Energy (MeV)

49

MAT 5392

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

54-Xe-113



54-Xe-113

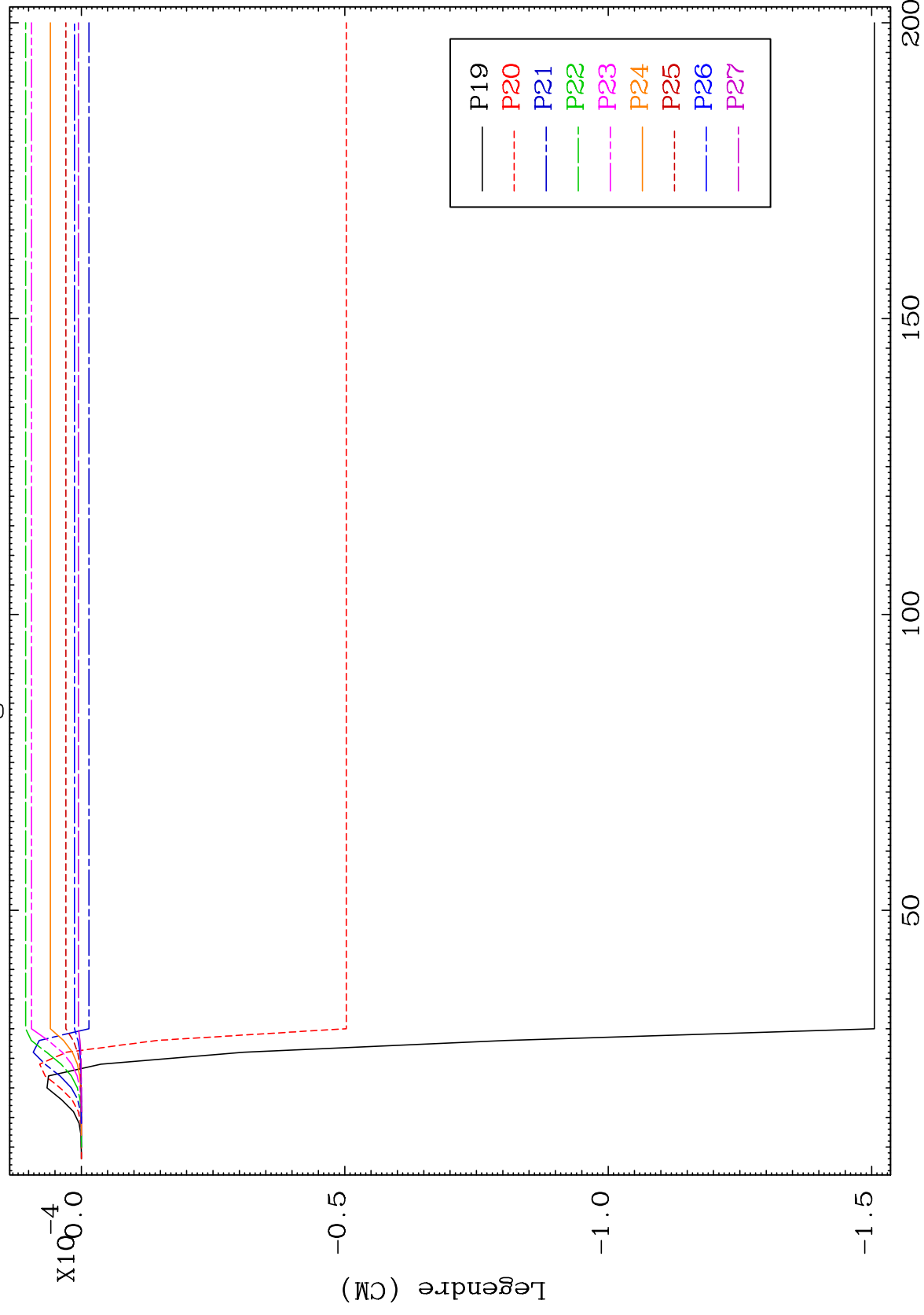
Incident Energy (MeV)

50

MAT 5392

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

54-Xe-113



51

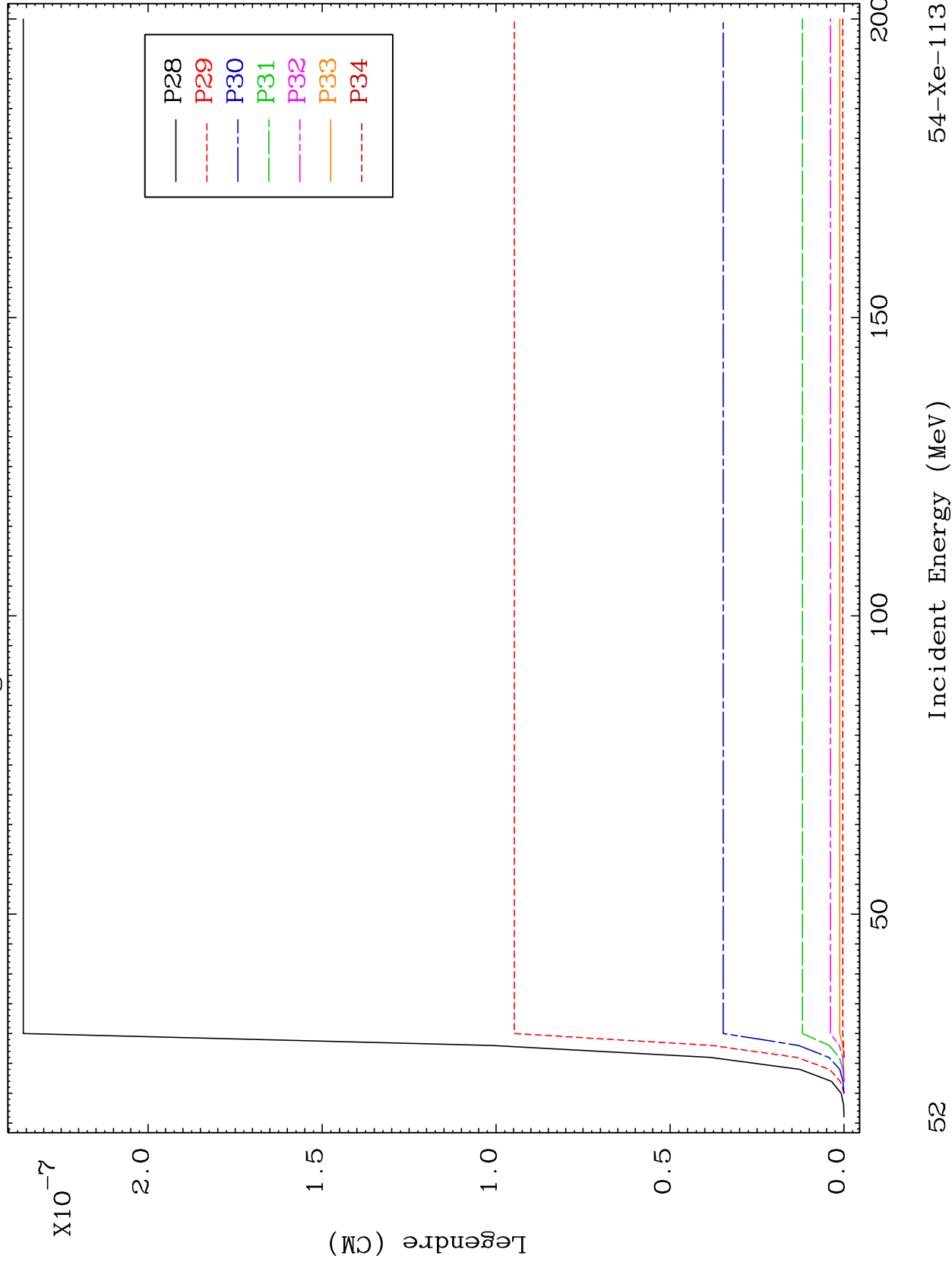
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



52

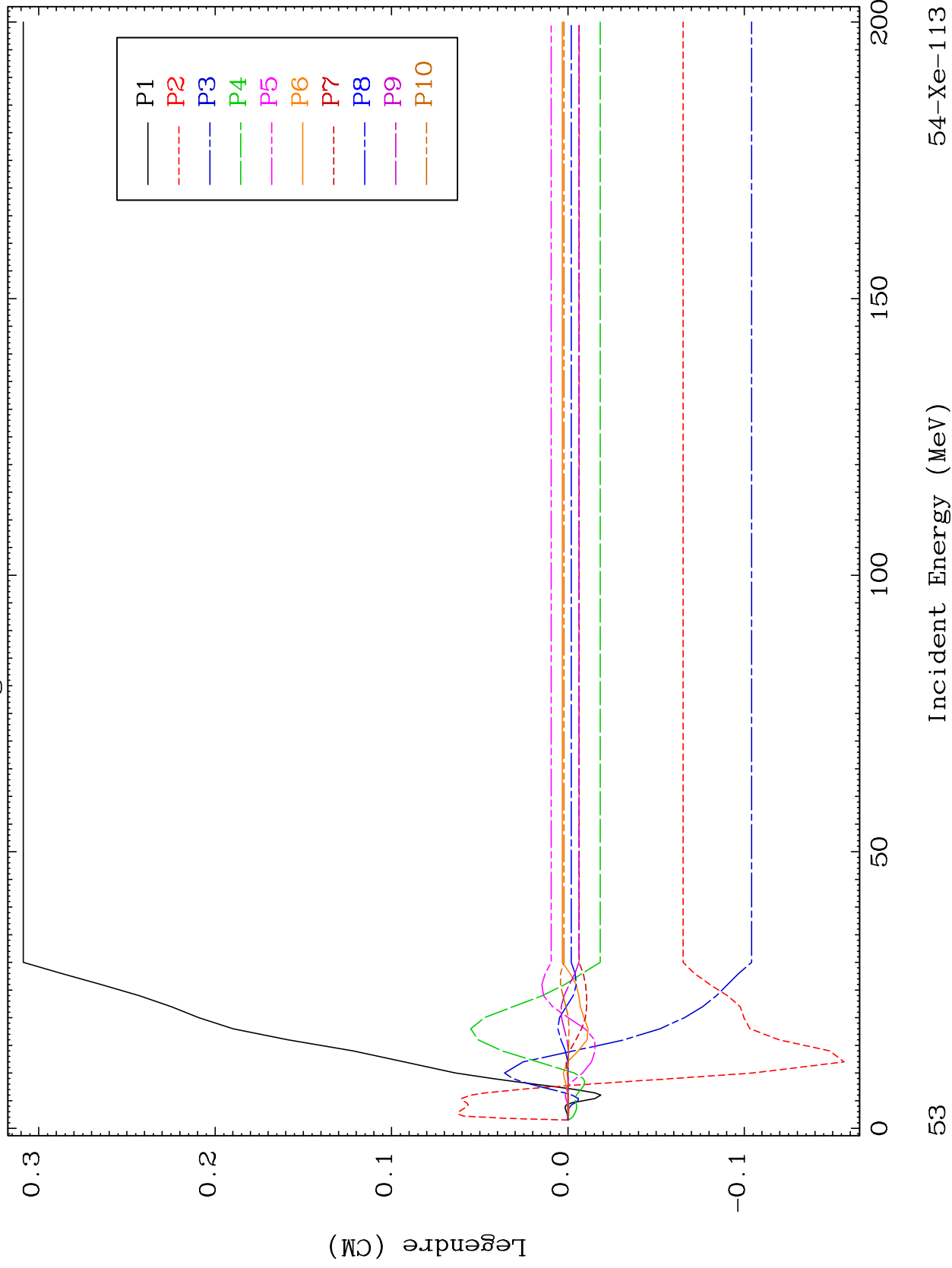
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



53

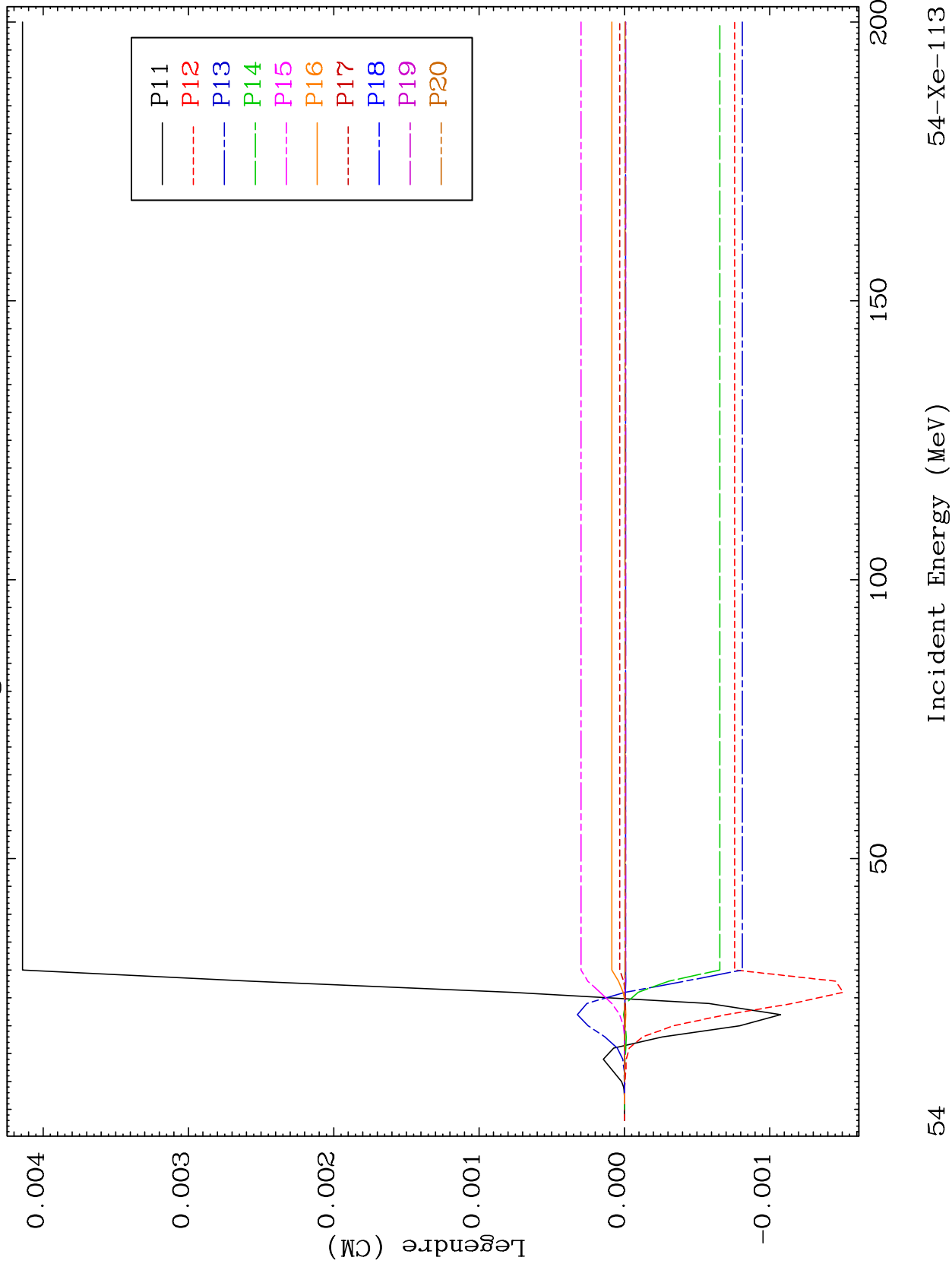
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



54

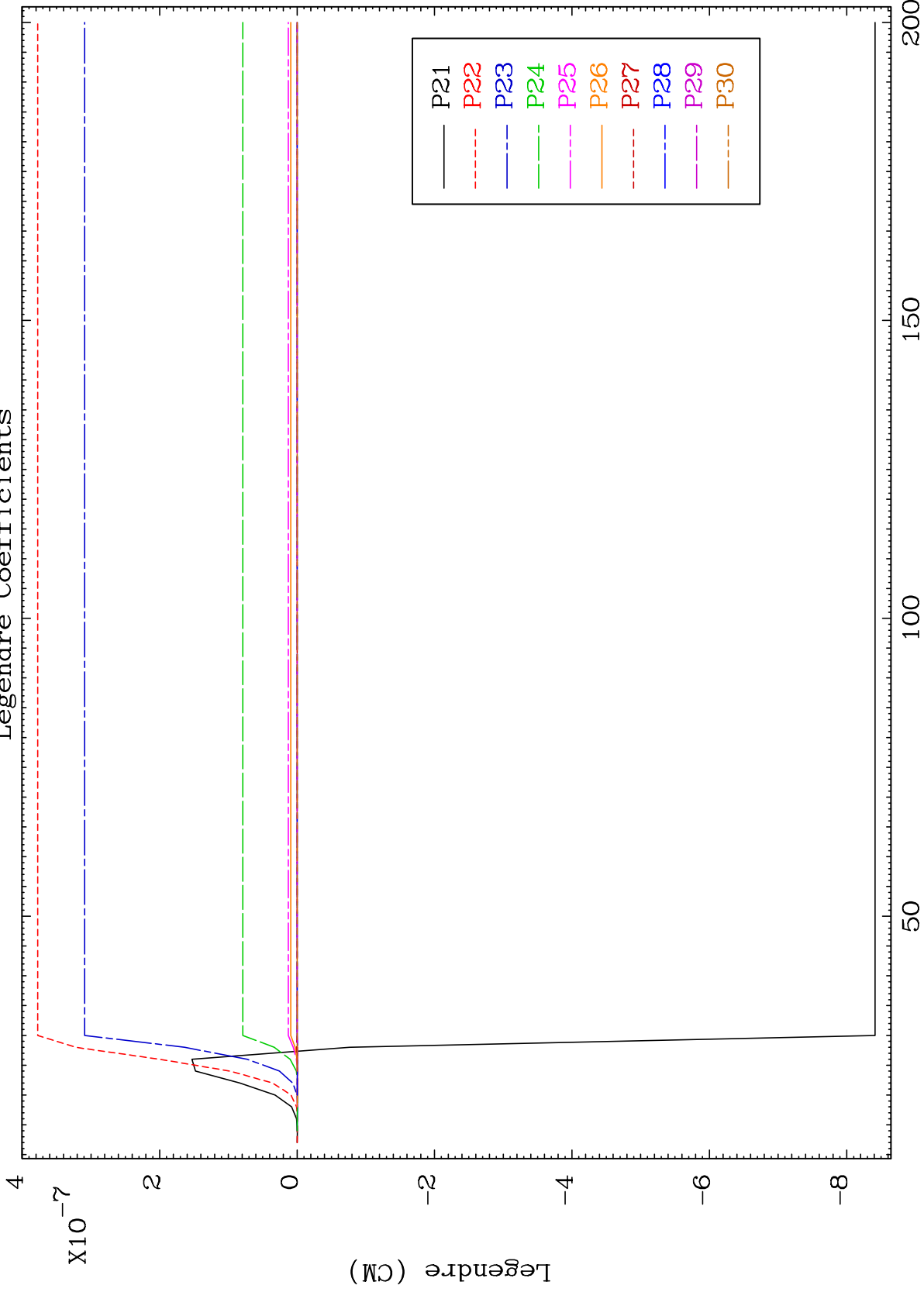
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



55

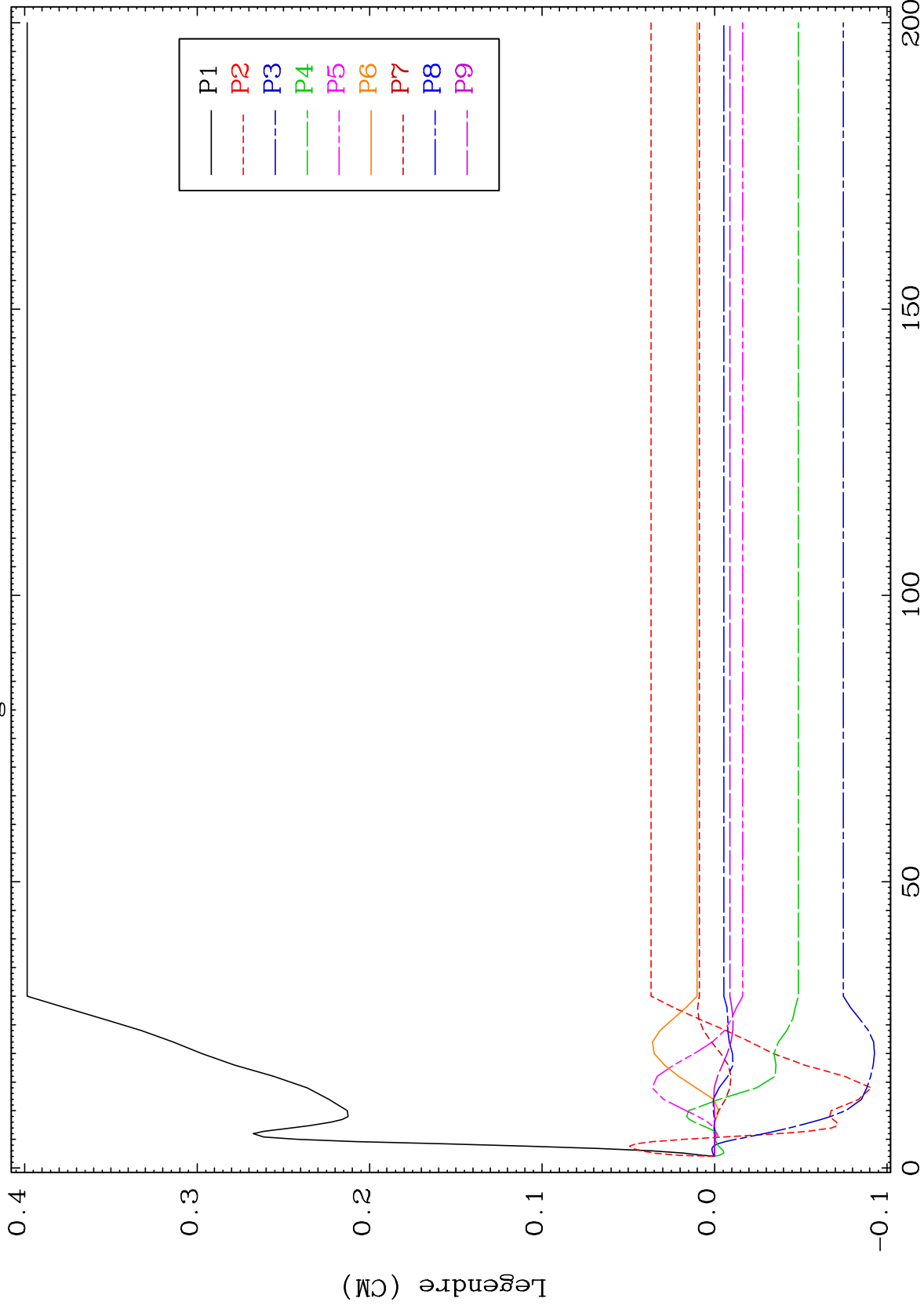
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



56

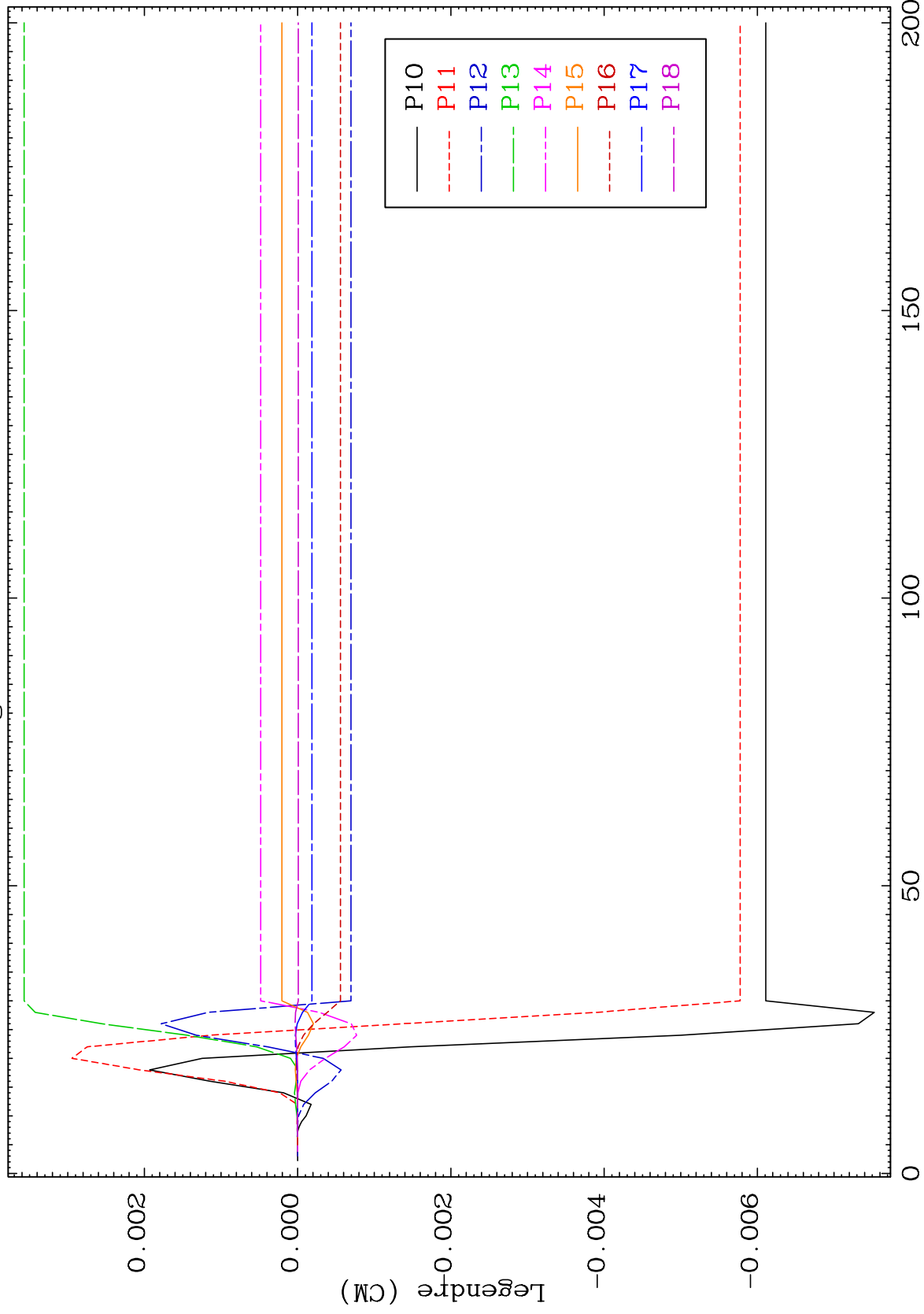
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



57

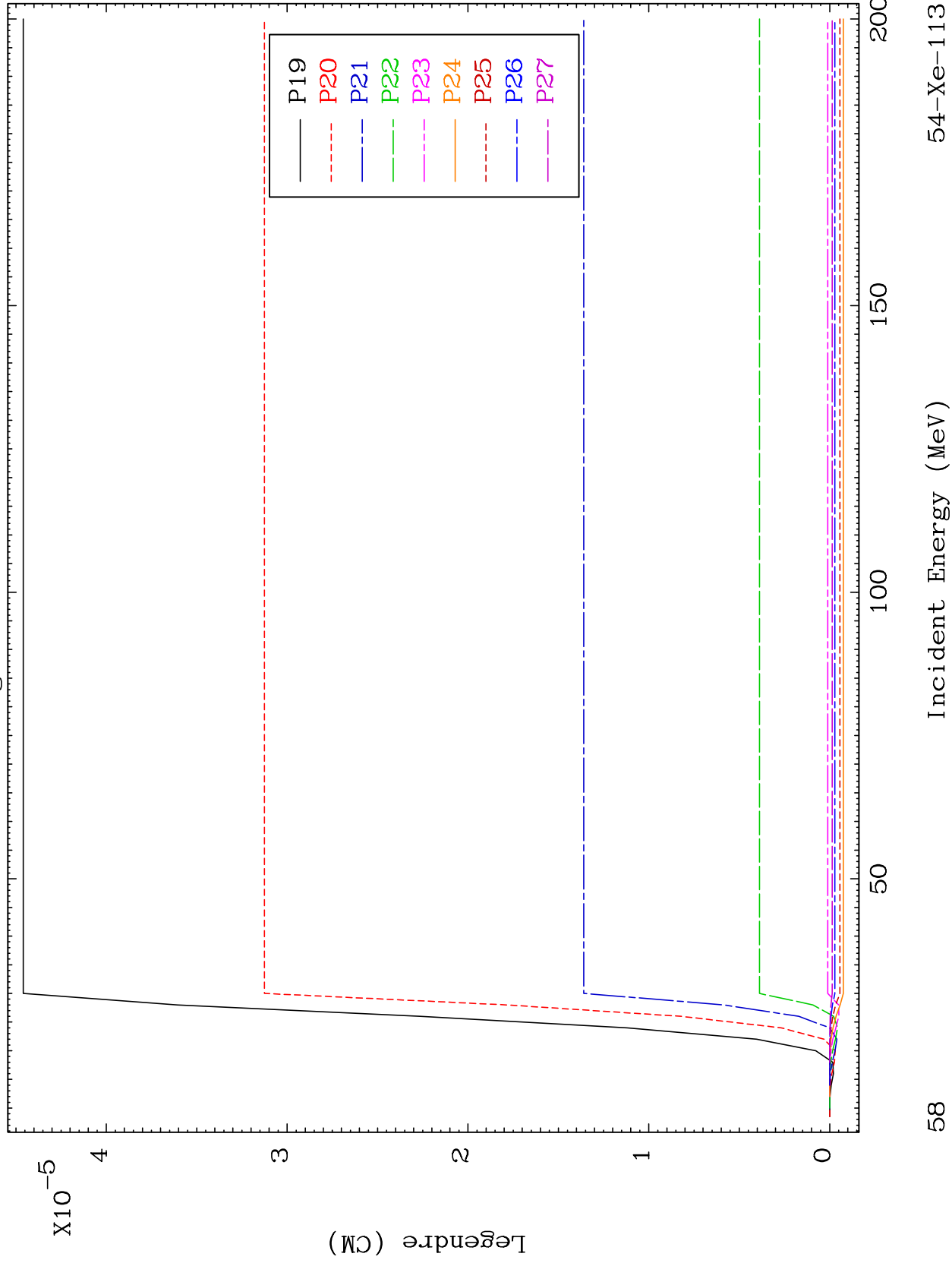
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



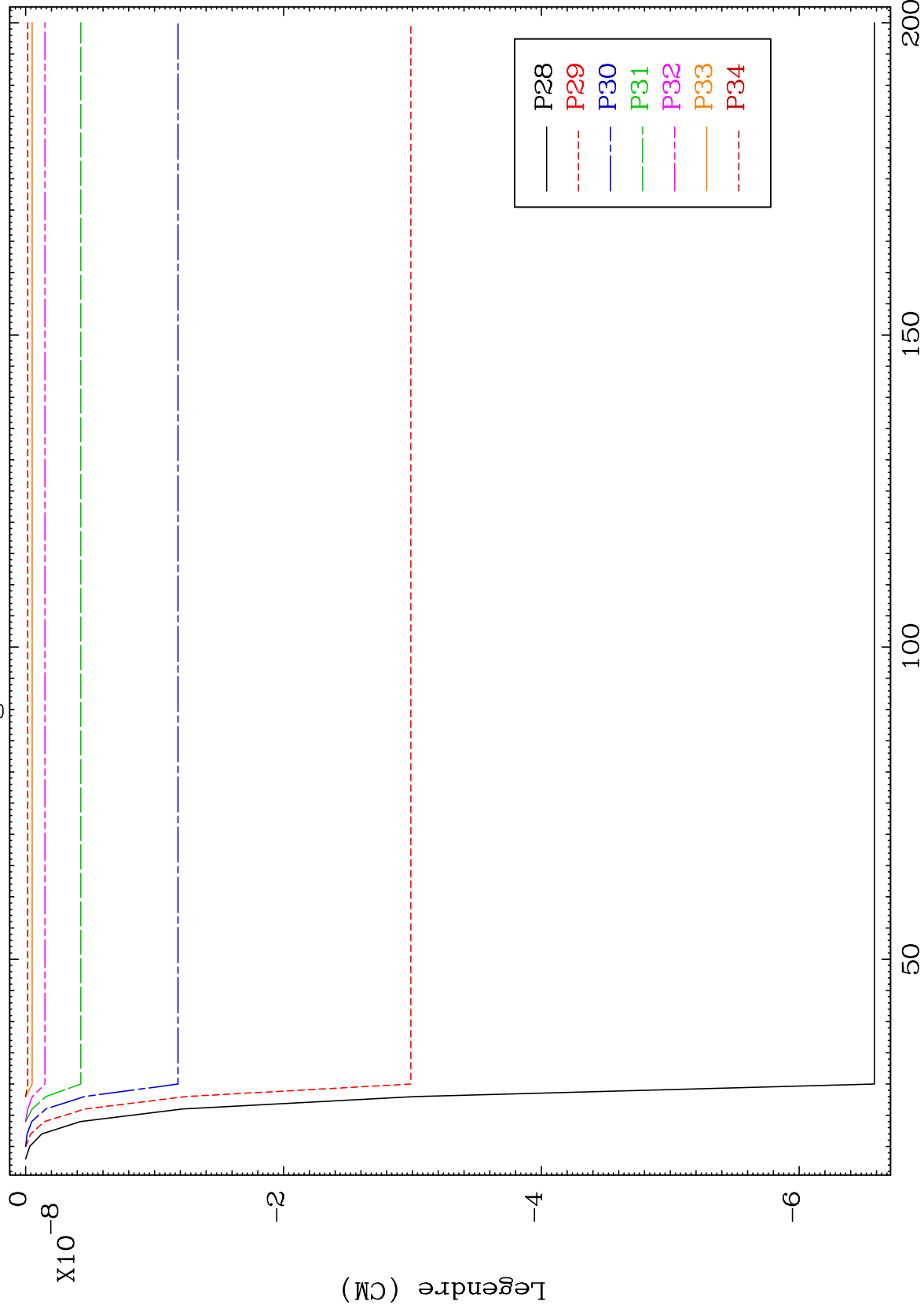
58

54-Xe-113

MAT 5392

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

54-Xe-113



59

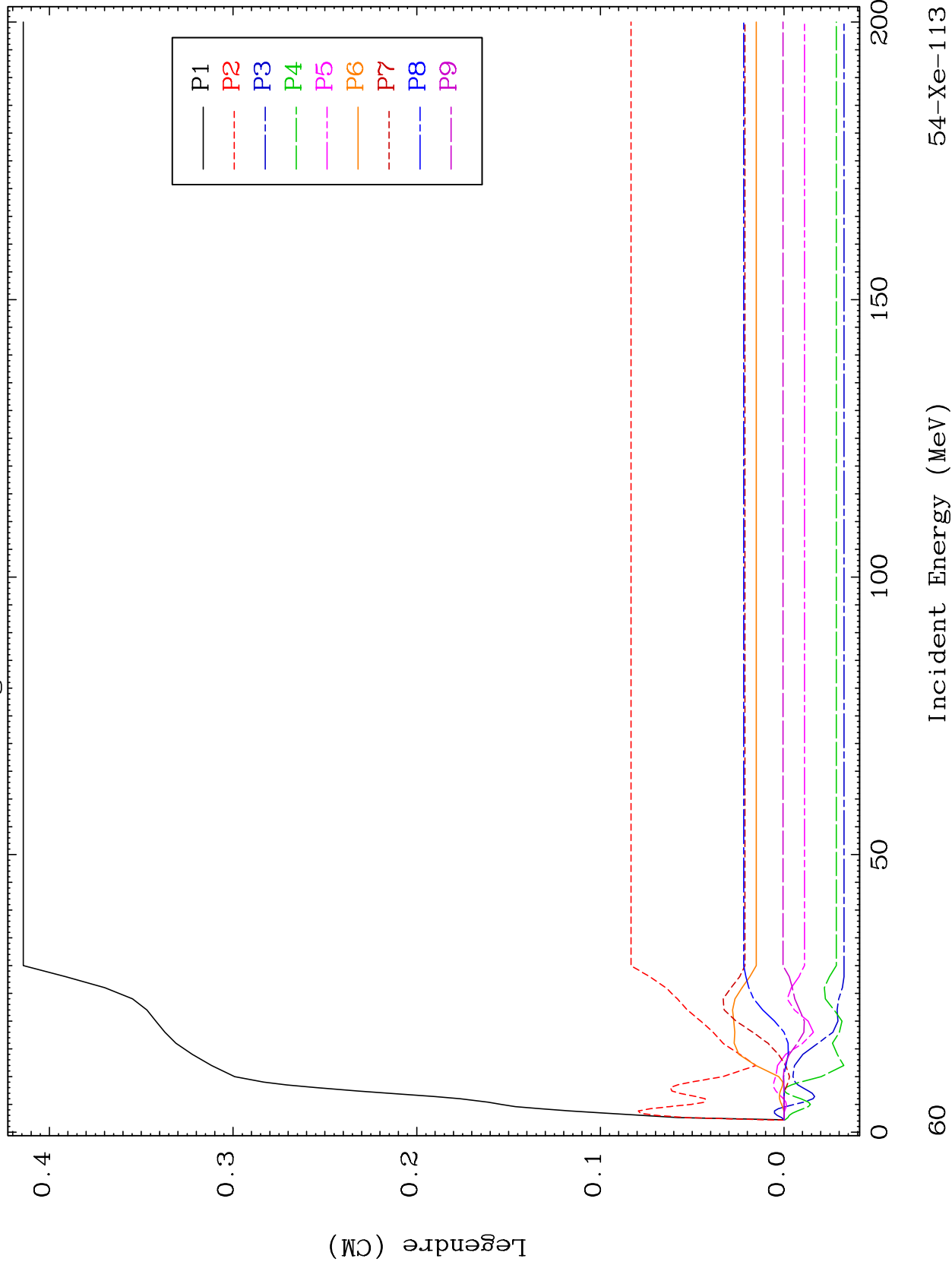
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



54-Xe-113

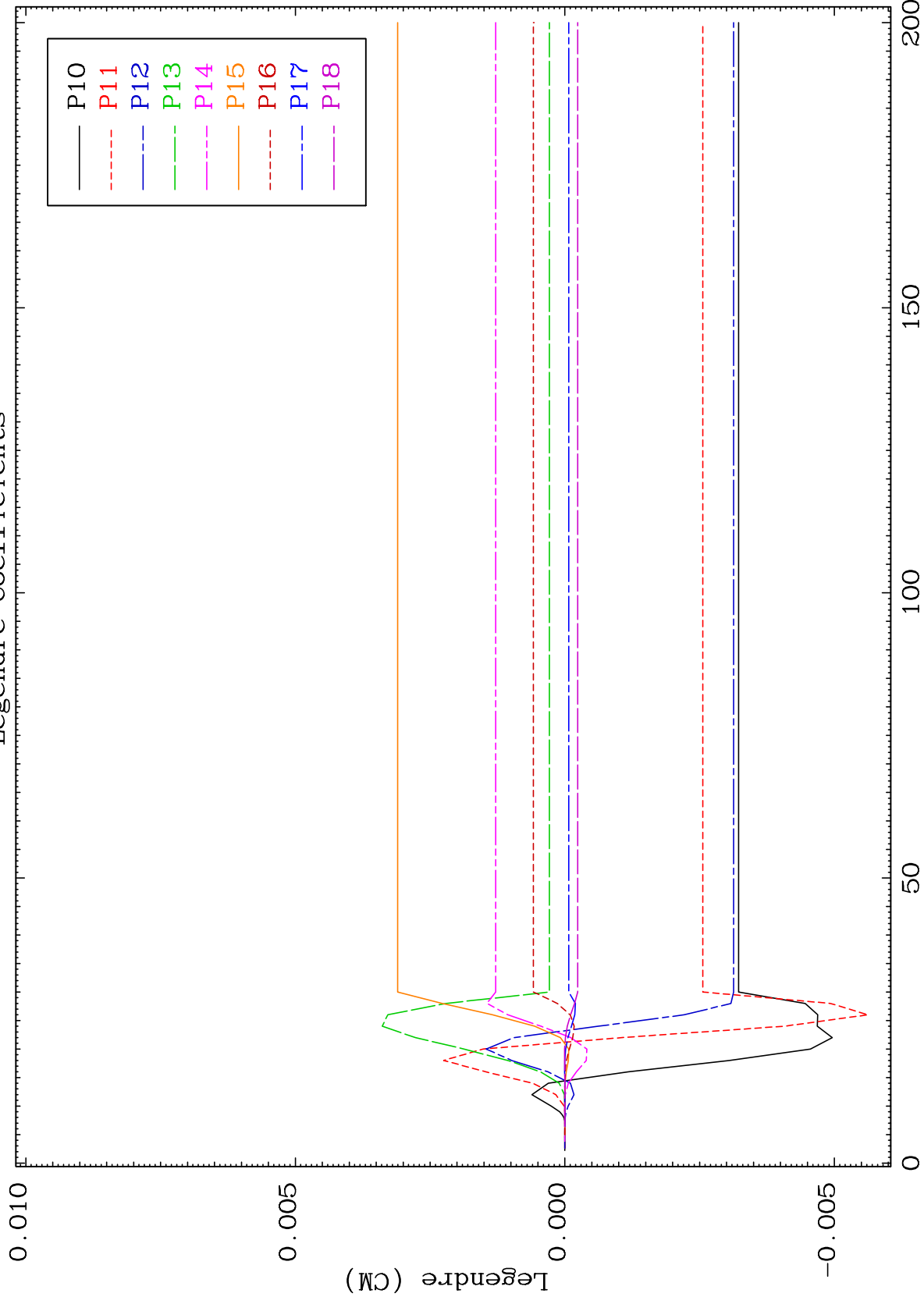
Incident Energy (MeV)

60

MAT 5392

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

54-Xe-113



61

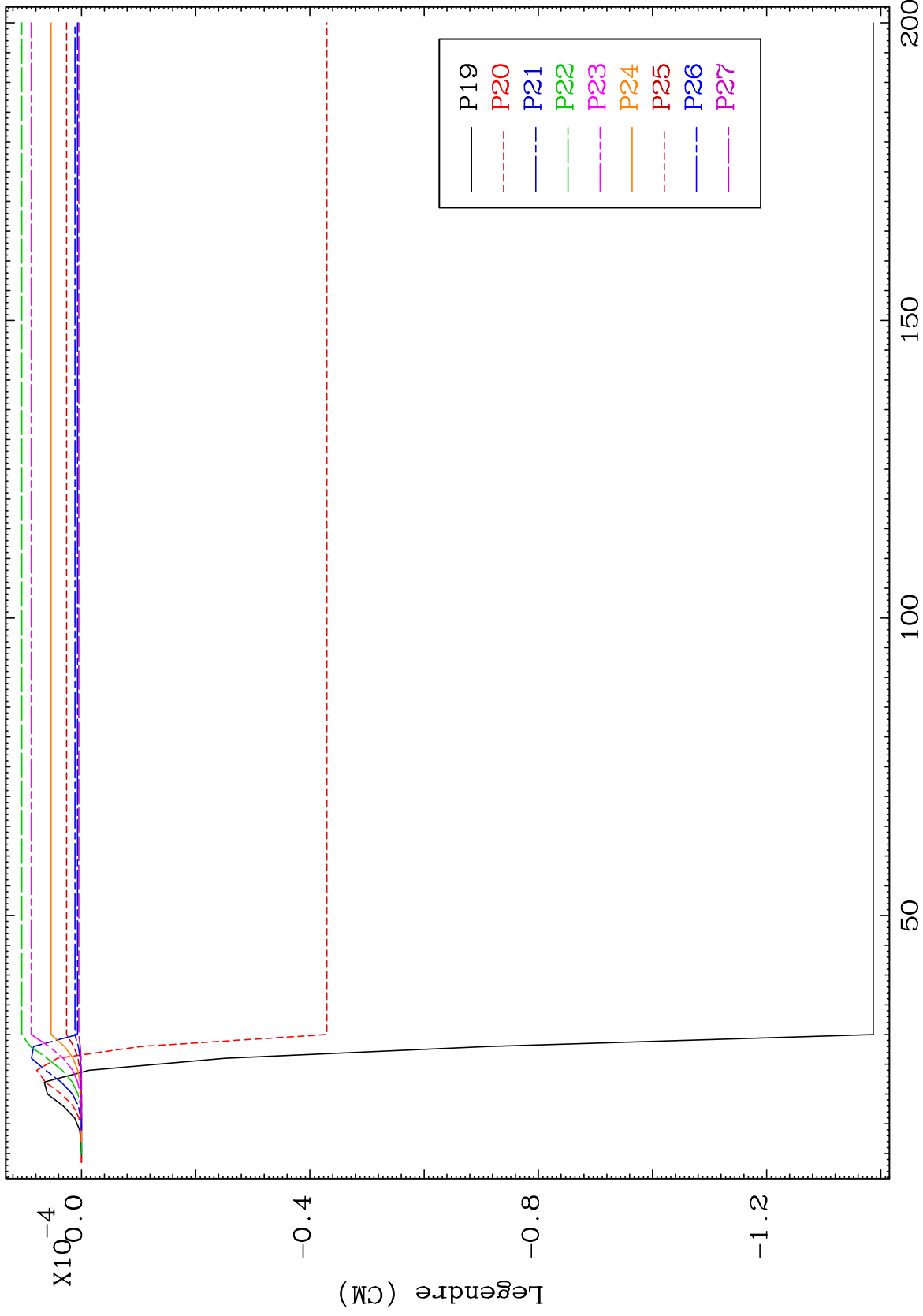
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



62

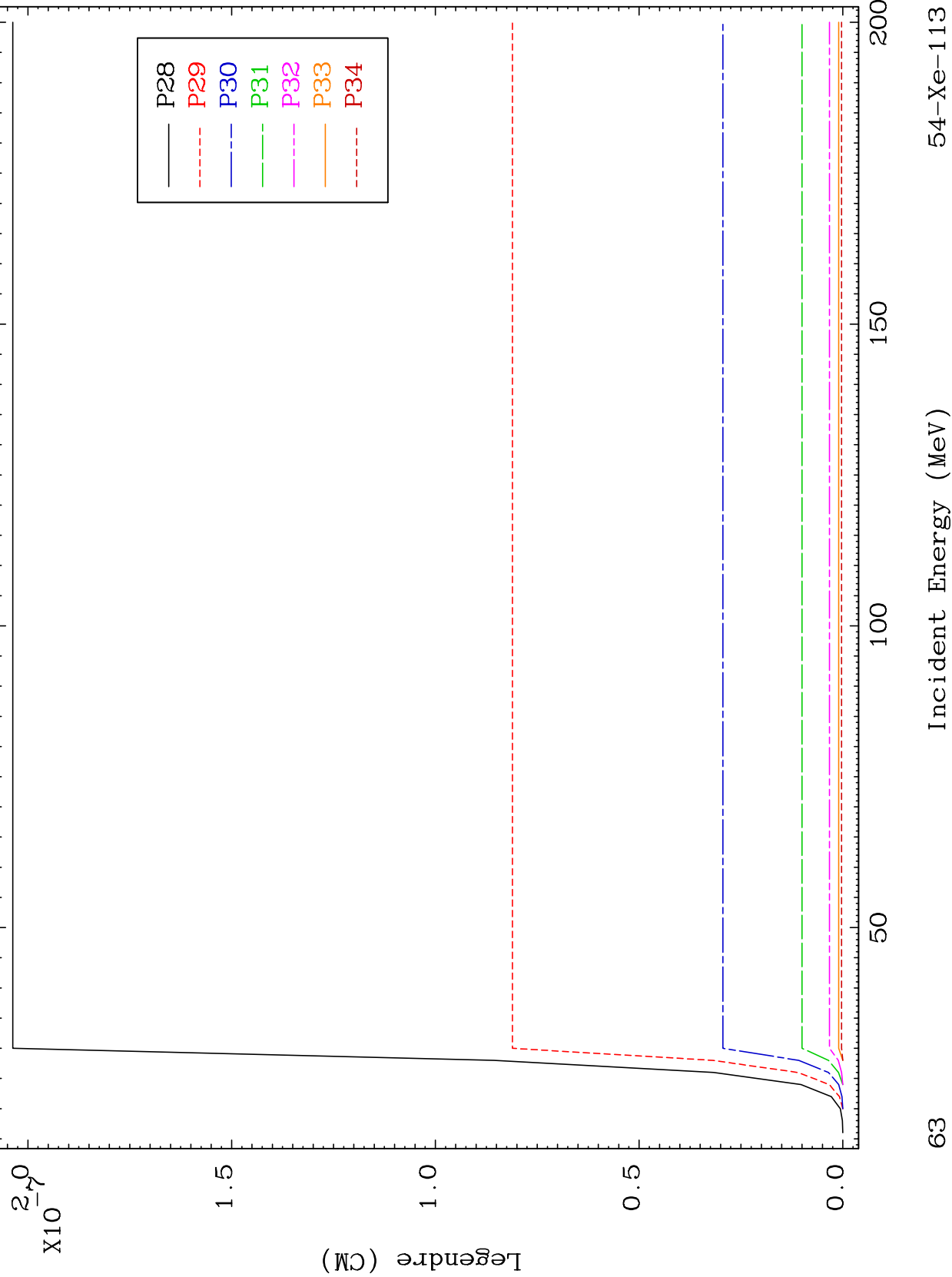
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



63

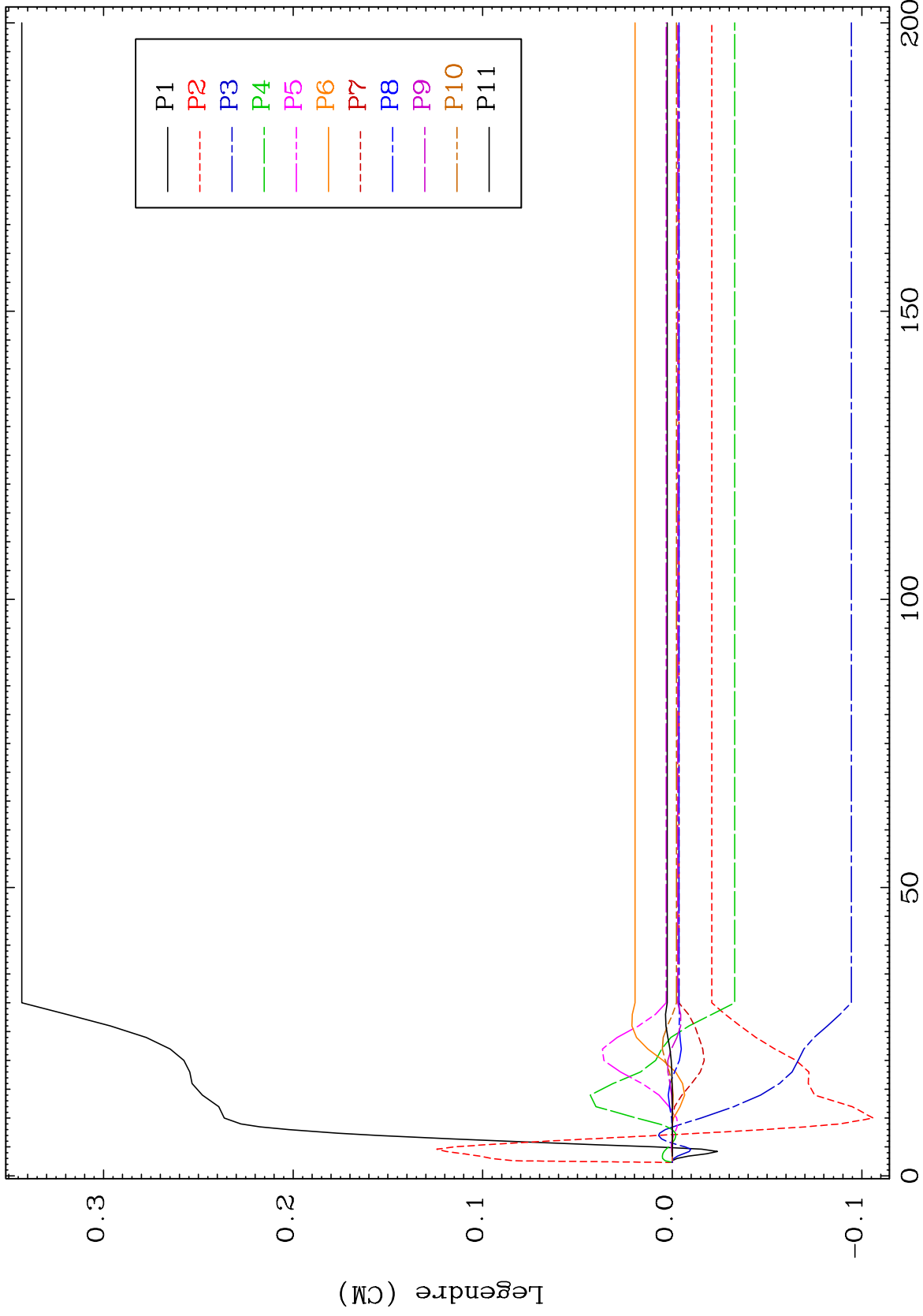
Incident Energy (MeV)

54-Xe-113

MAT 5392

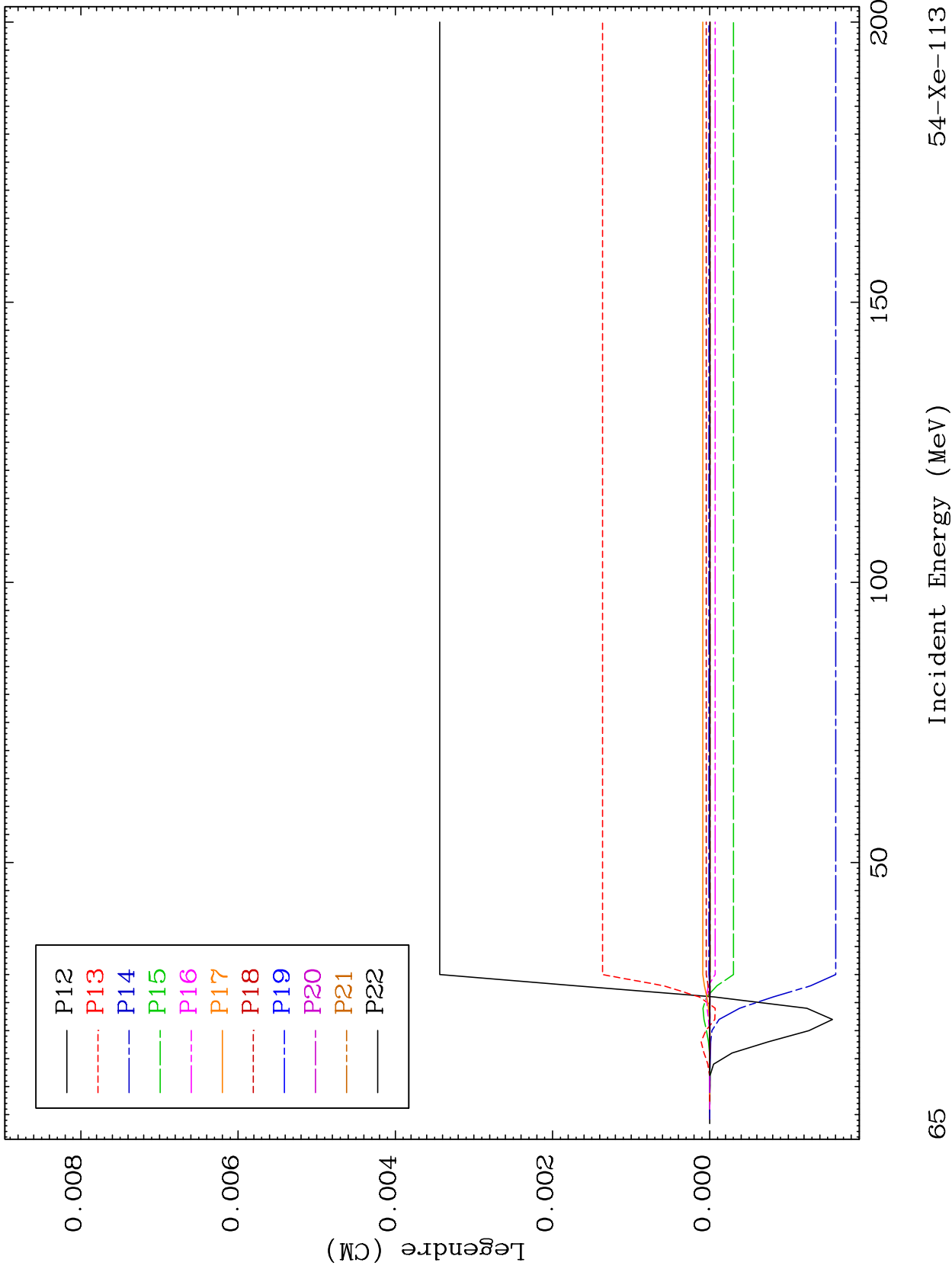
MT= 62 (n,n') Level
Legendre Coefficients

54-Xe-113



64

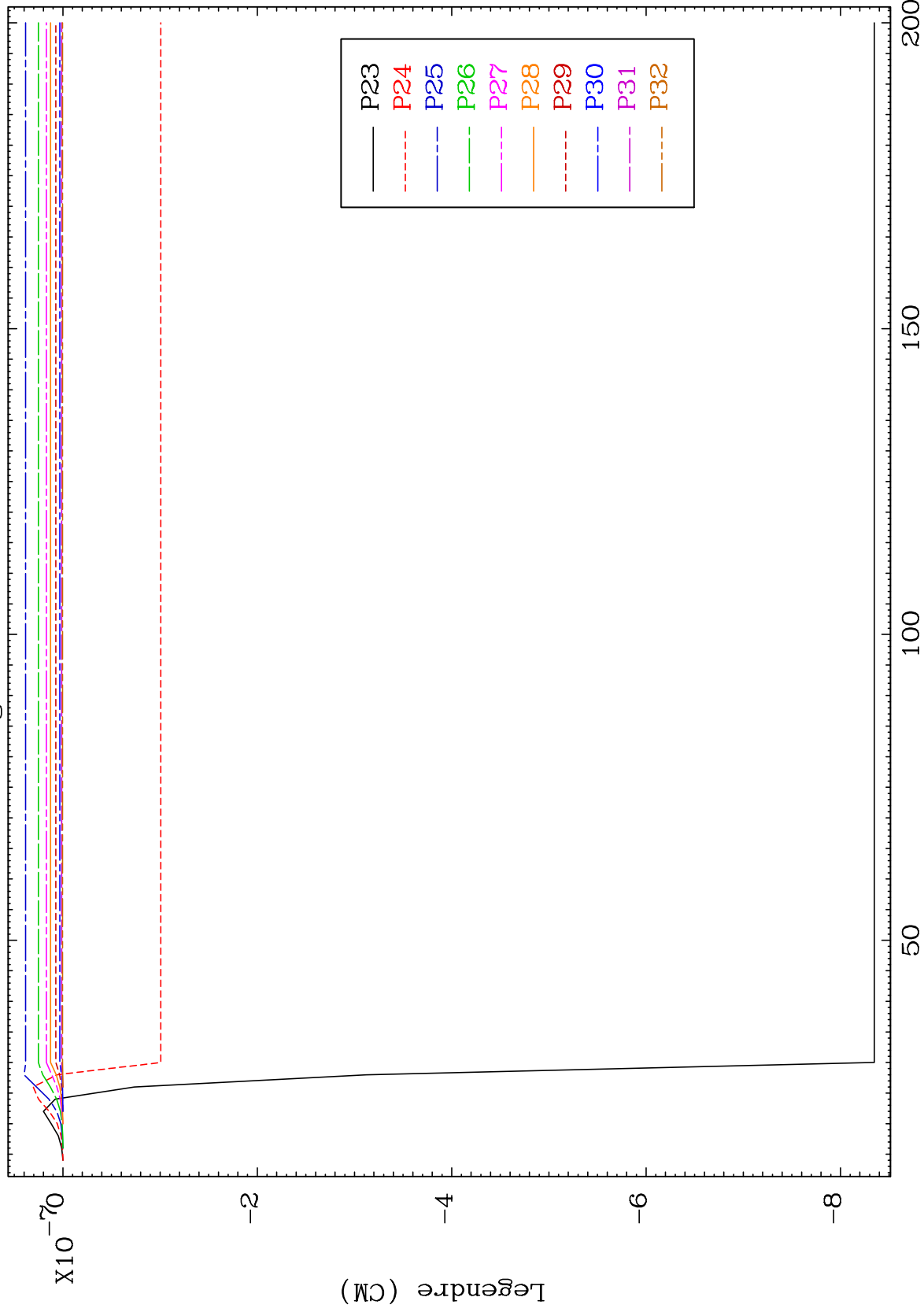
54-Xe-113



MAT 5392

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

54-Xe-113



66

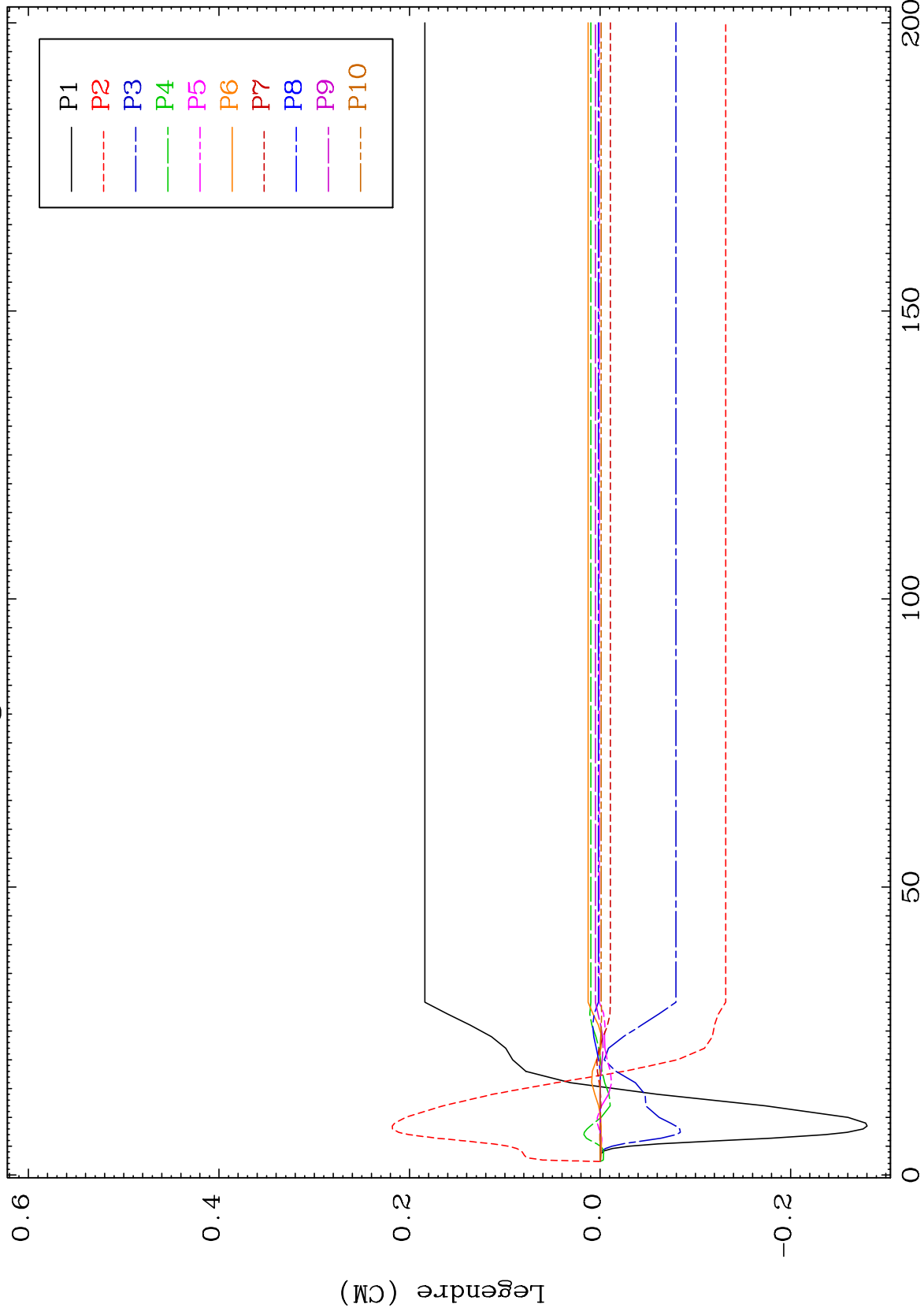
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

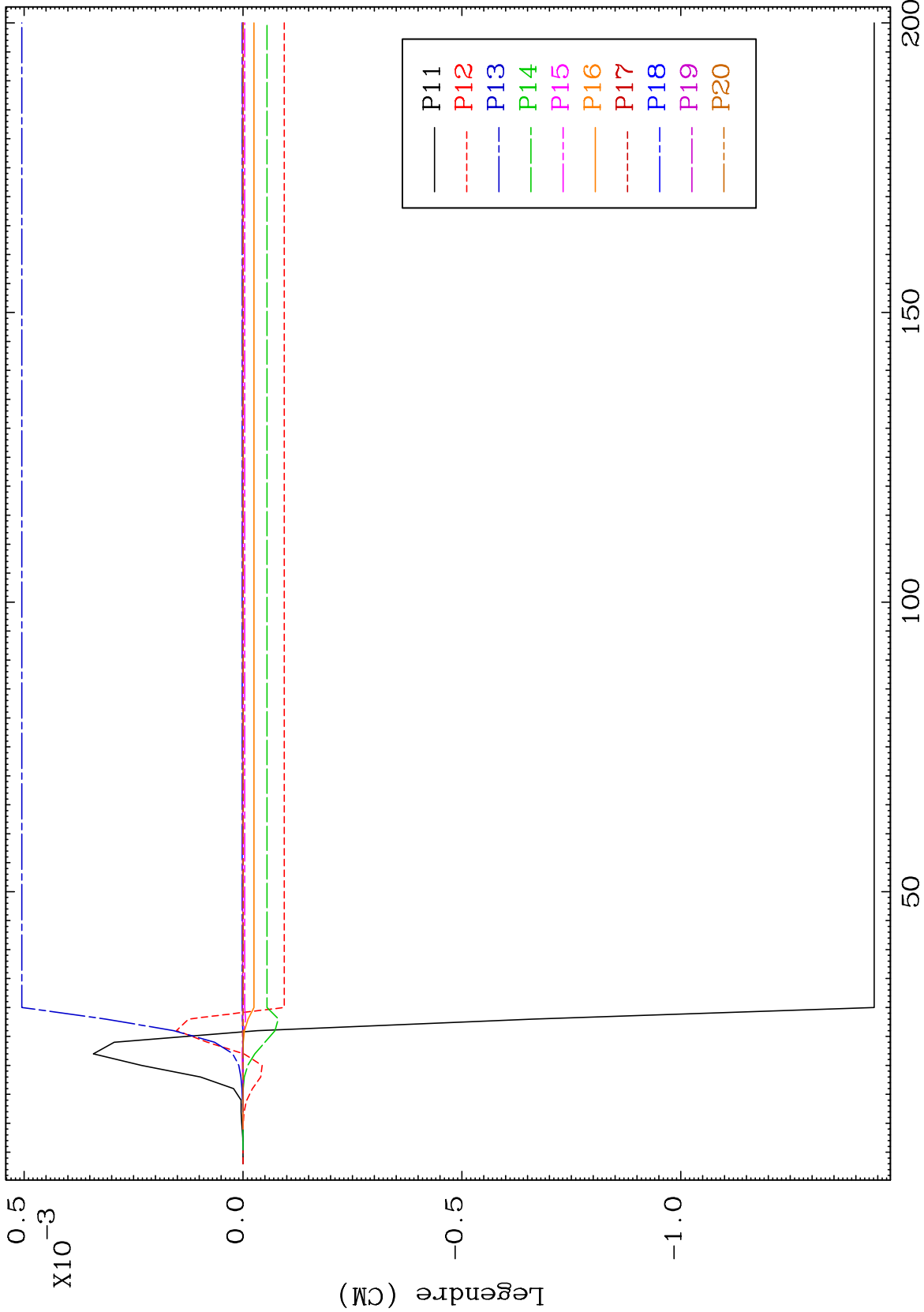
54-Xe-113



67

Incident Energy (MeV)

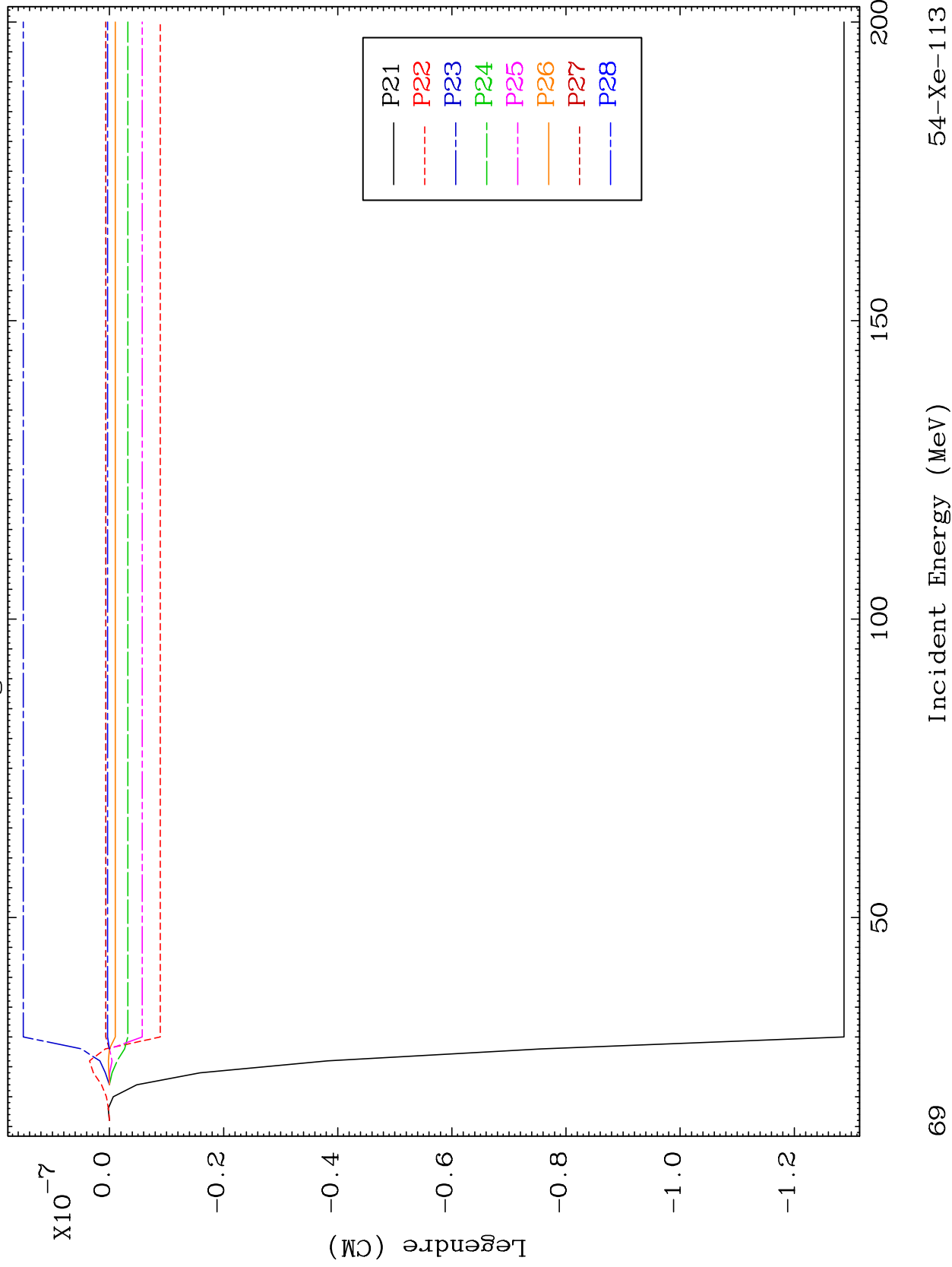
54-Xe-113



MAT 5392

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

54-Xe-113



69

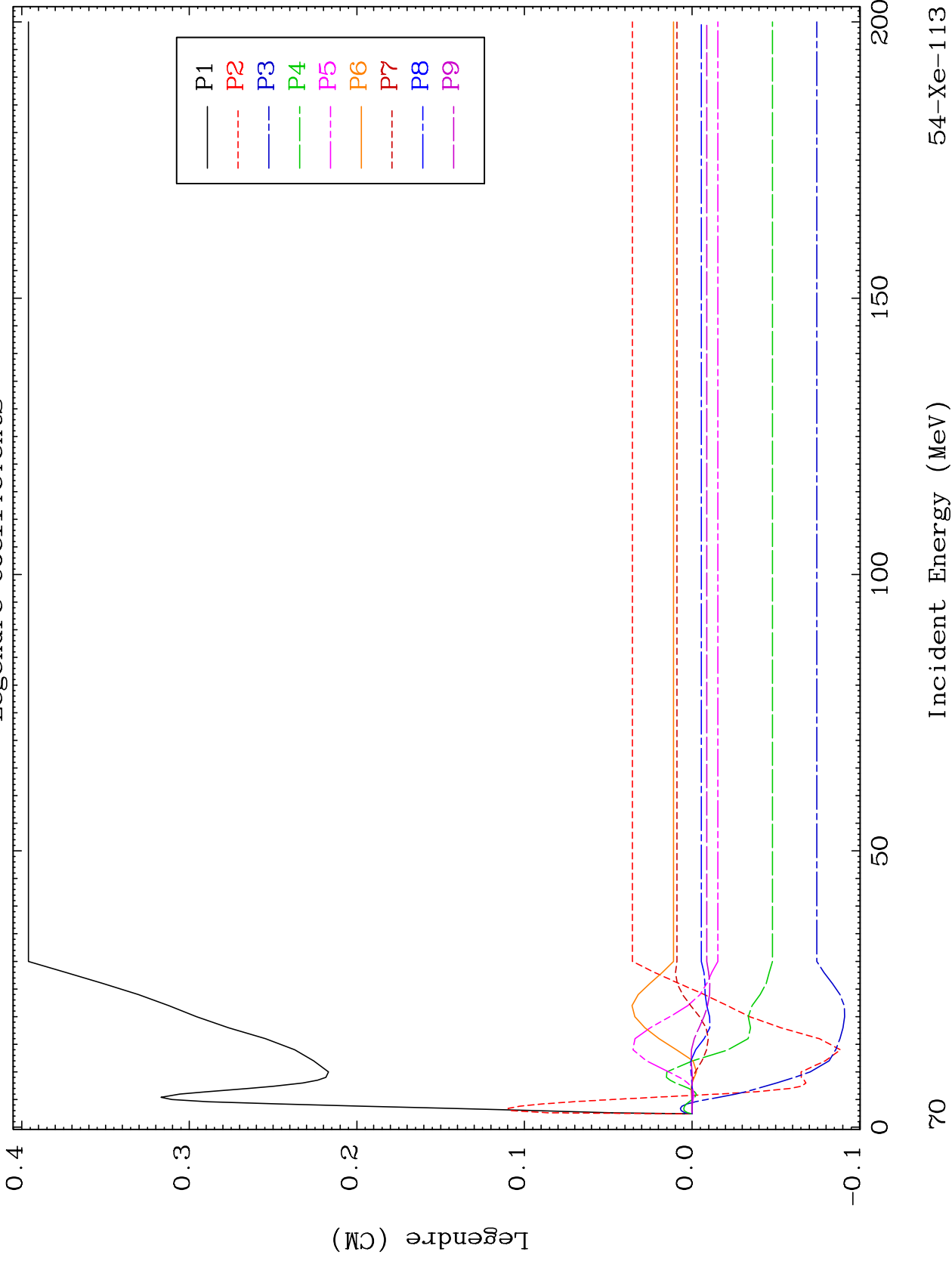
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



54-Xe-113

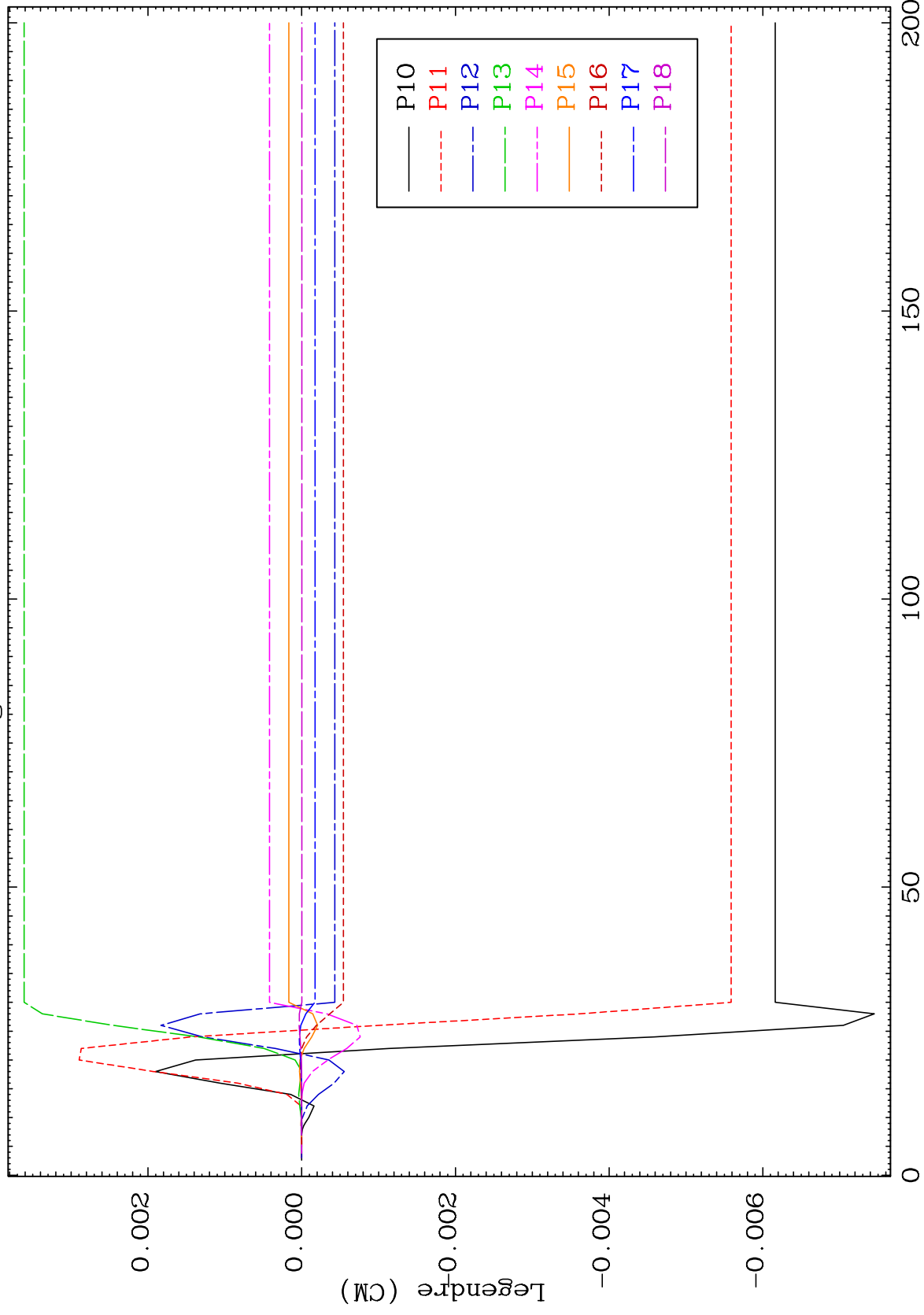
Incident Energy (MeV)

70

MAT 5392

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

54-Xe-113



71

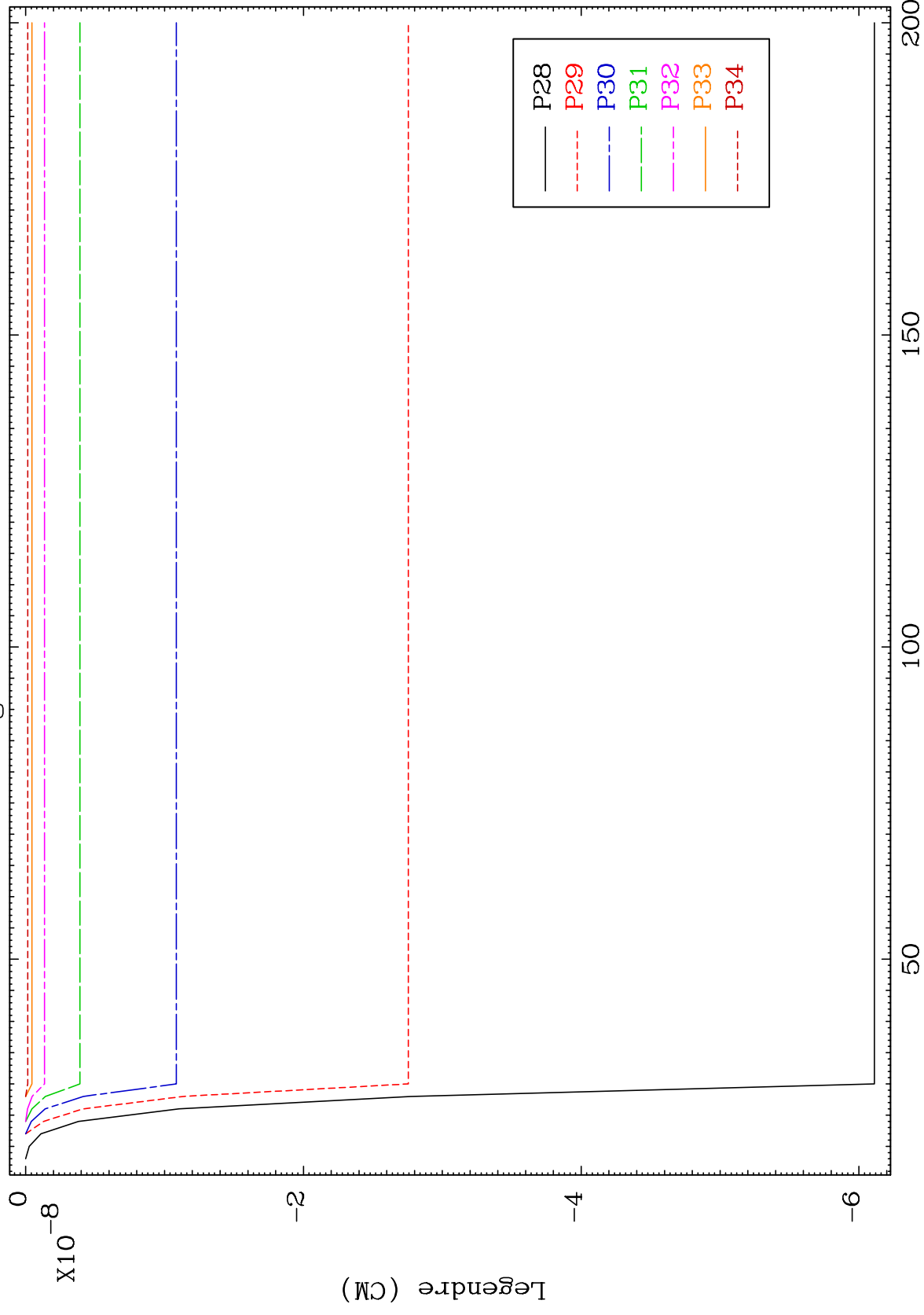
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



73

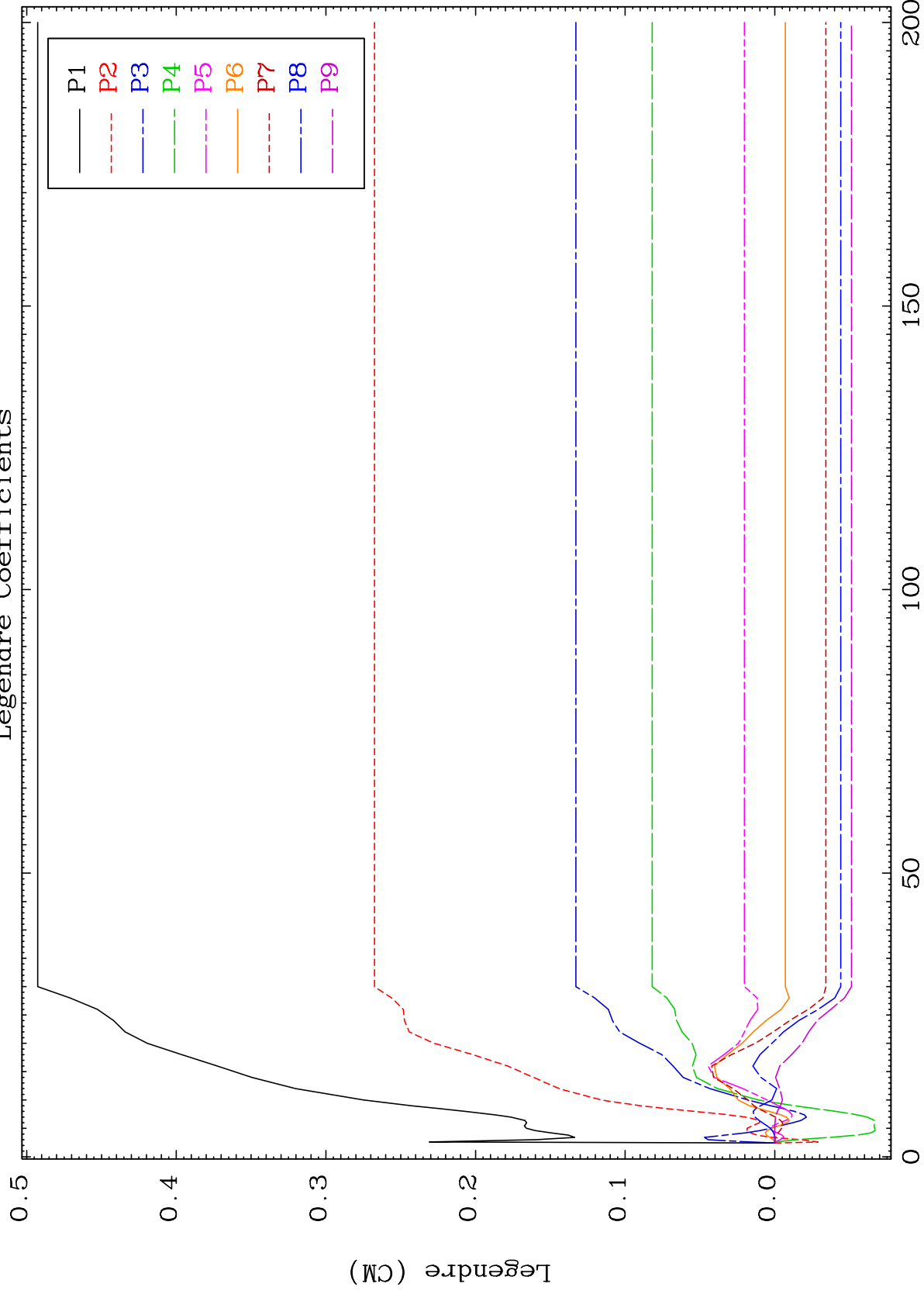
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



74

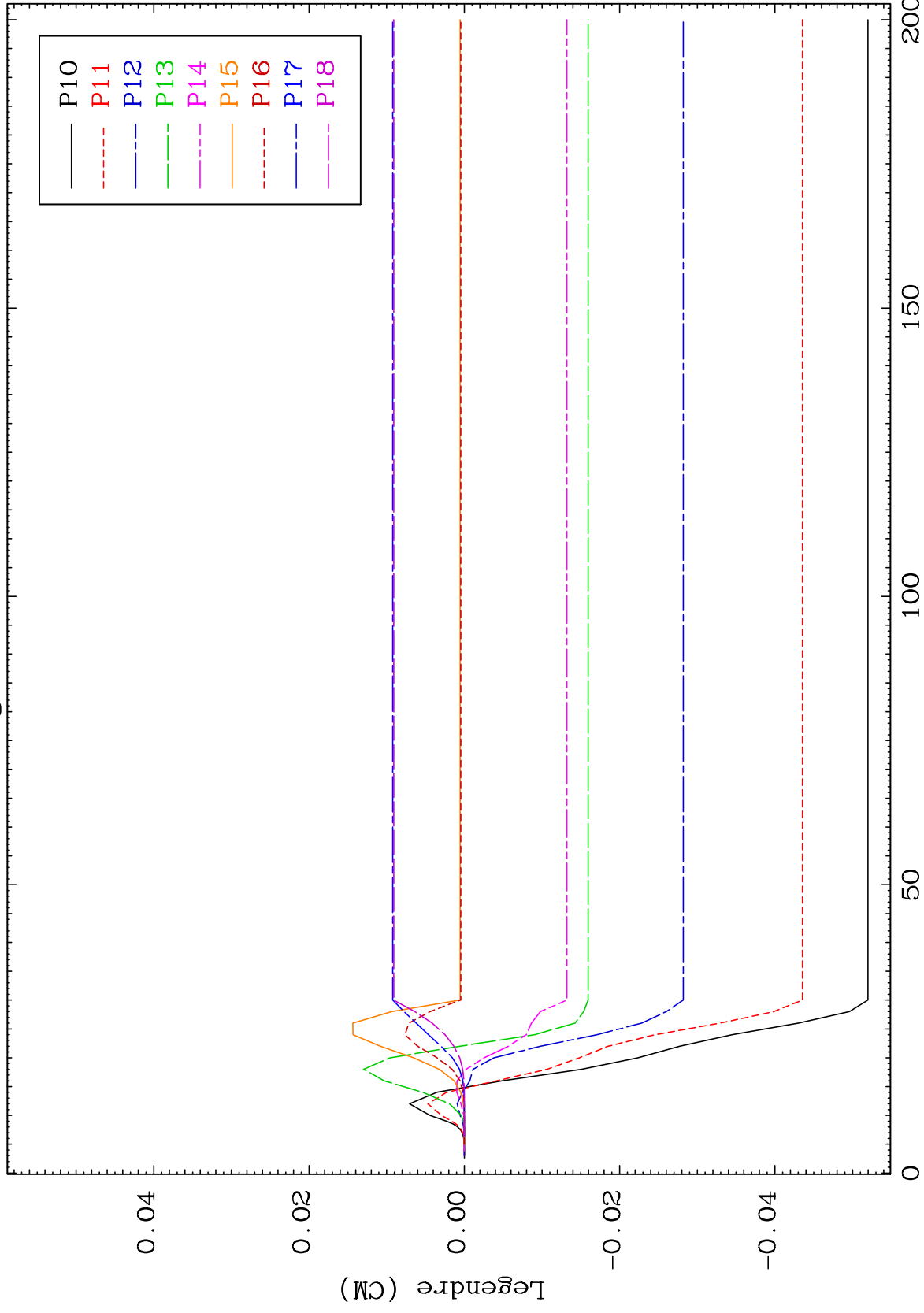
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



75

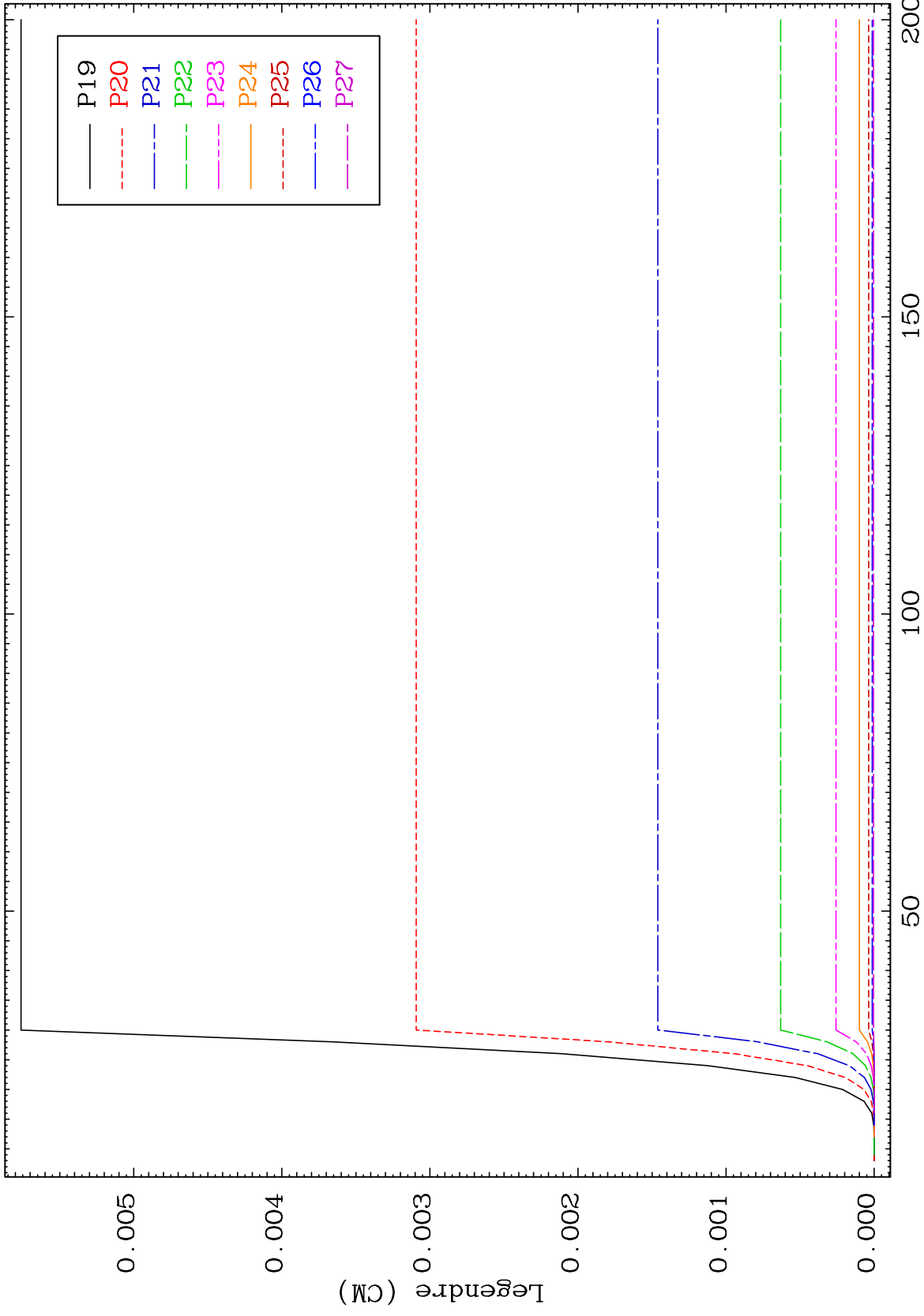
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



76

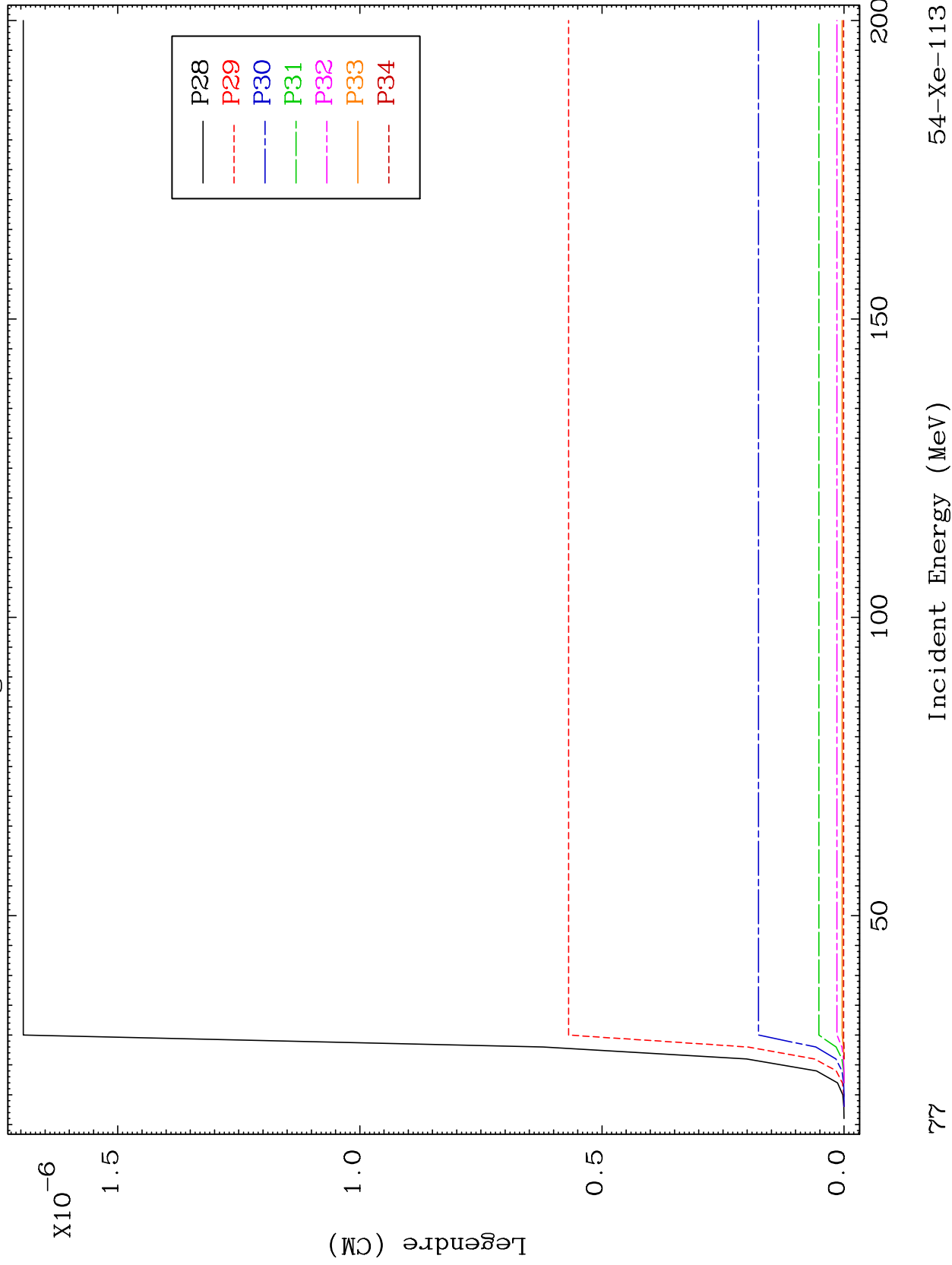
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



77

Incident Energy (MeV)

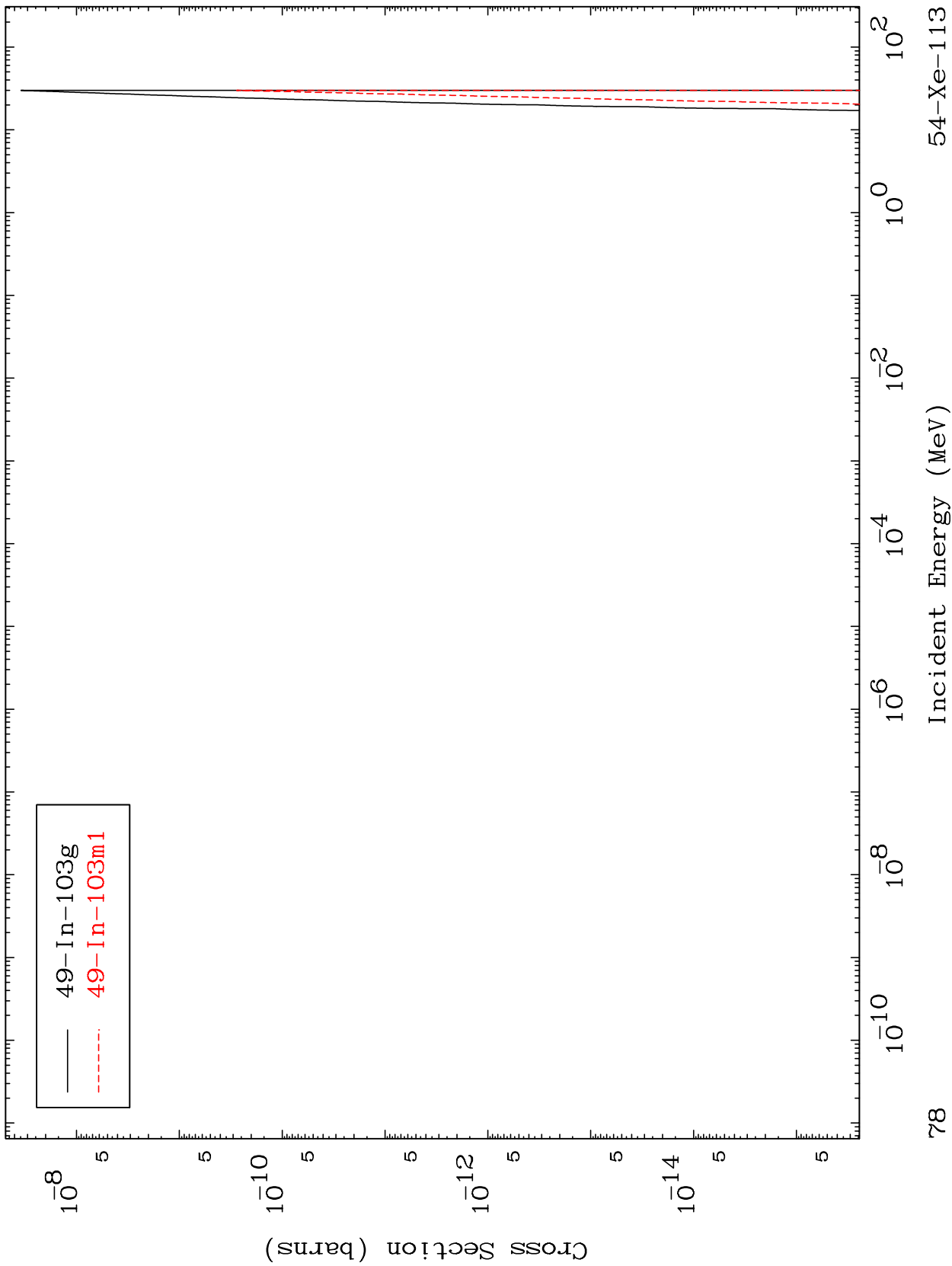
54-Xe-113

MAT 5392

(n,t) 2α

54-Xe-113

Radionuclide Production Cross Section



78

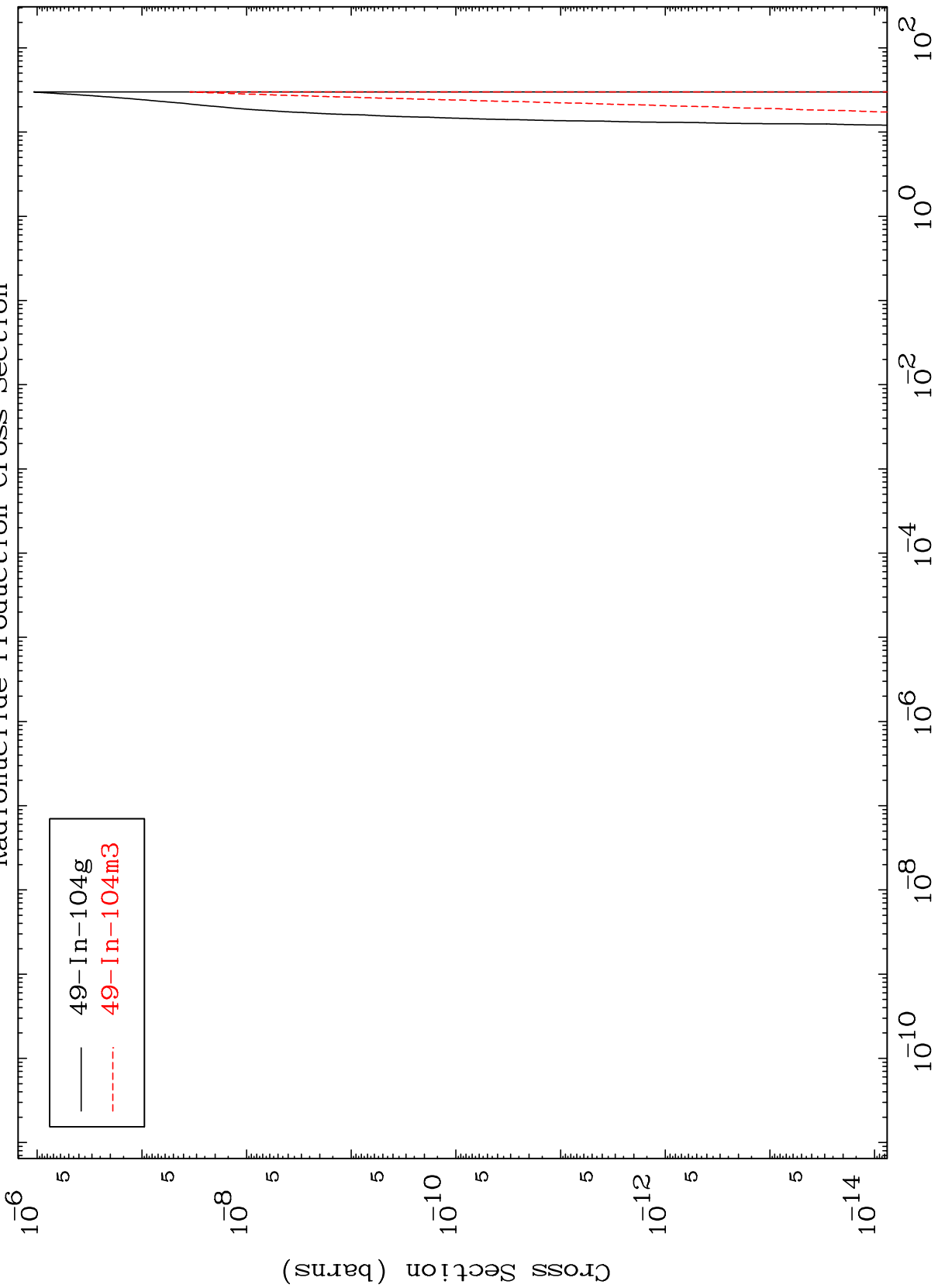
54-Xe-113

MAT 5392

(n,d) 2 α

54-Xe-113

Radionuclide Production Cross Section



79

Incident Energy (MeV)

54-Xe-113