

Program EVALPLOT
(Version 2018-1)

by

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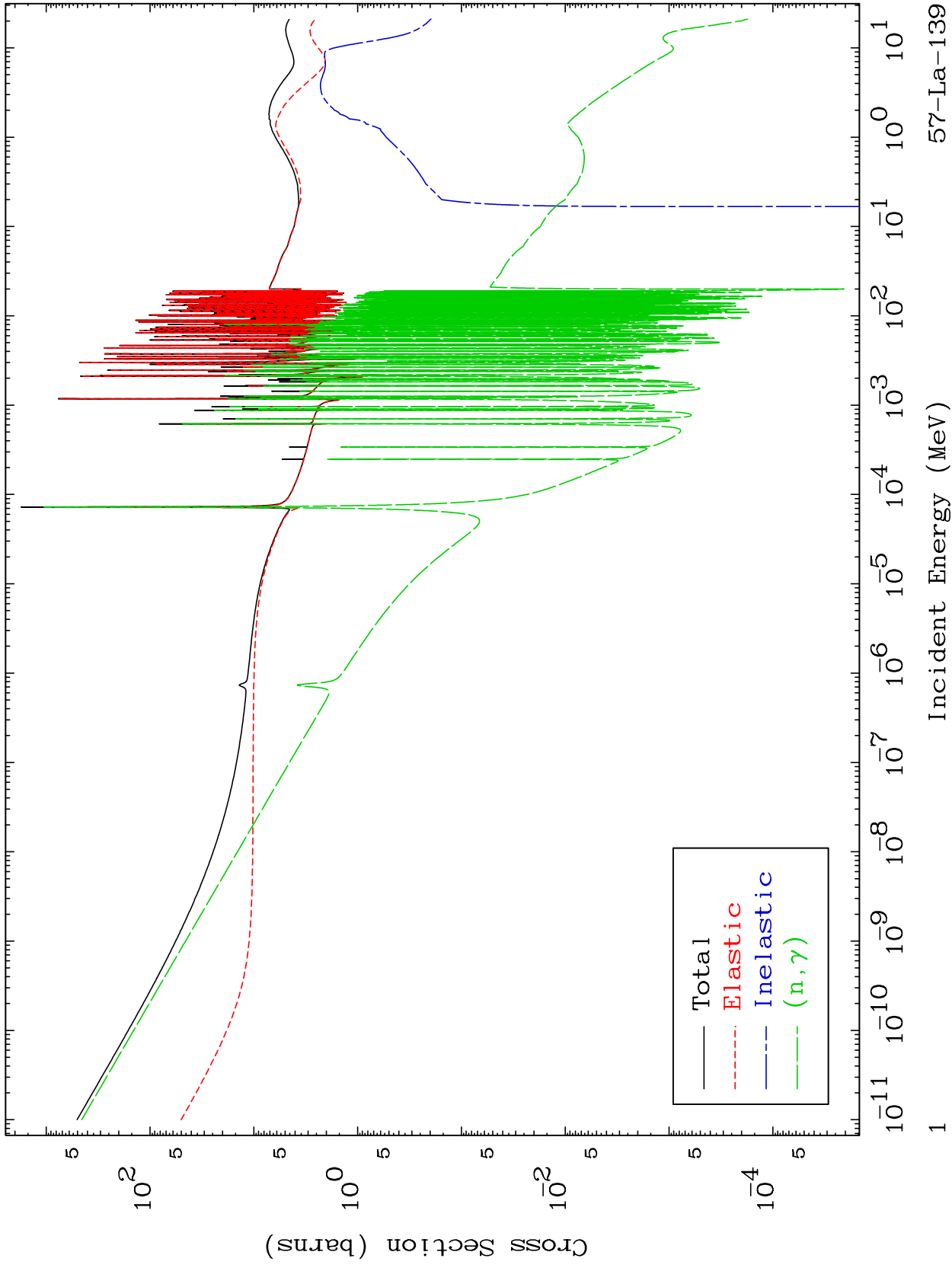
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Press Mouse Button to Start

MAT 5728

Major
293 Kelvin Cross Sections

57-La-139



57-La-139

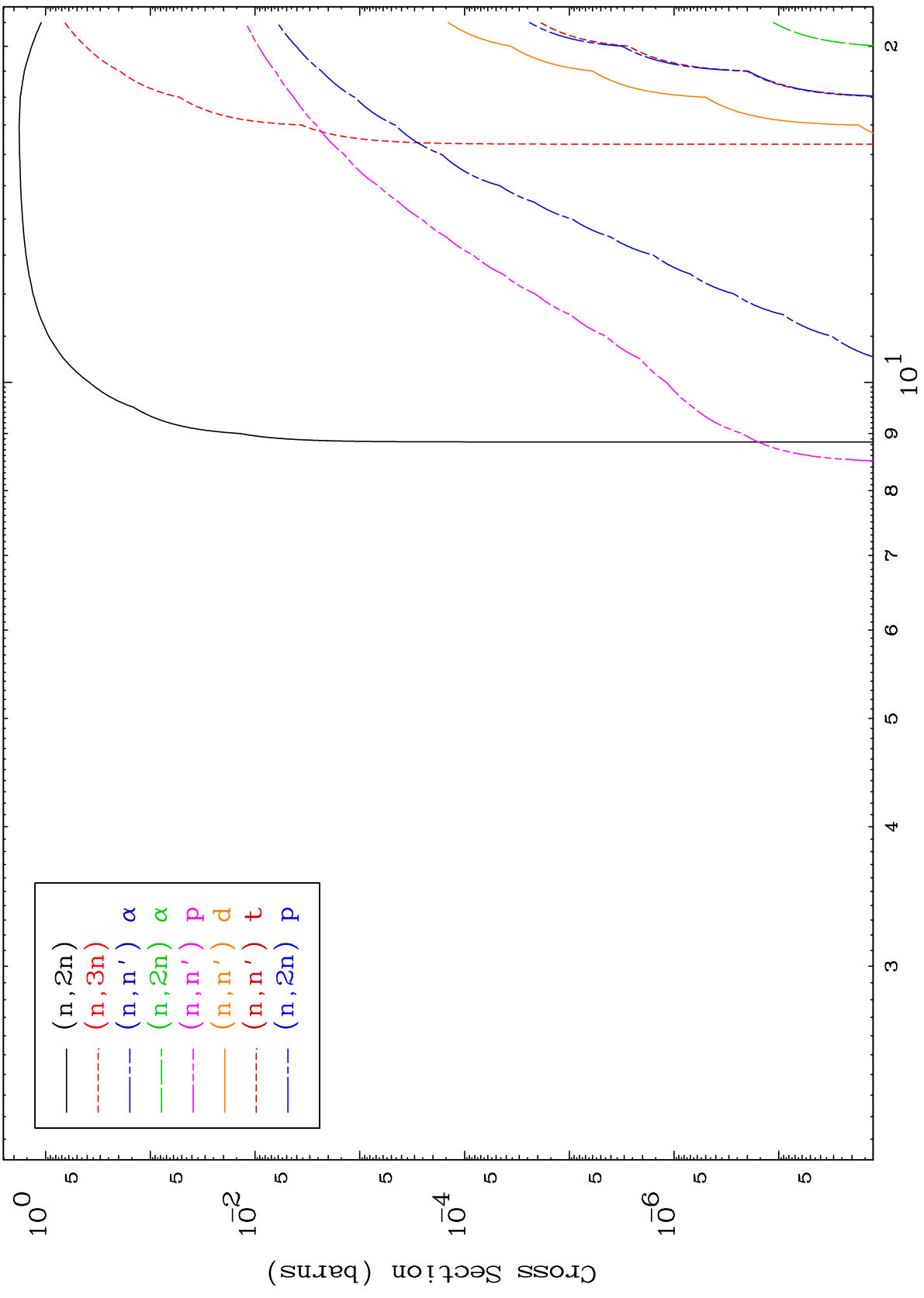
Incident Energy (MeV)

1

MAT 5728

Neutron Production
293 Kelvin Cross Sections

57-La-139



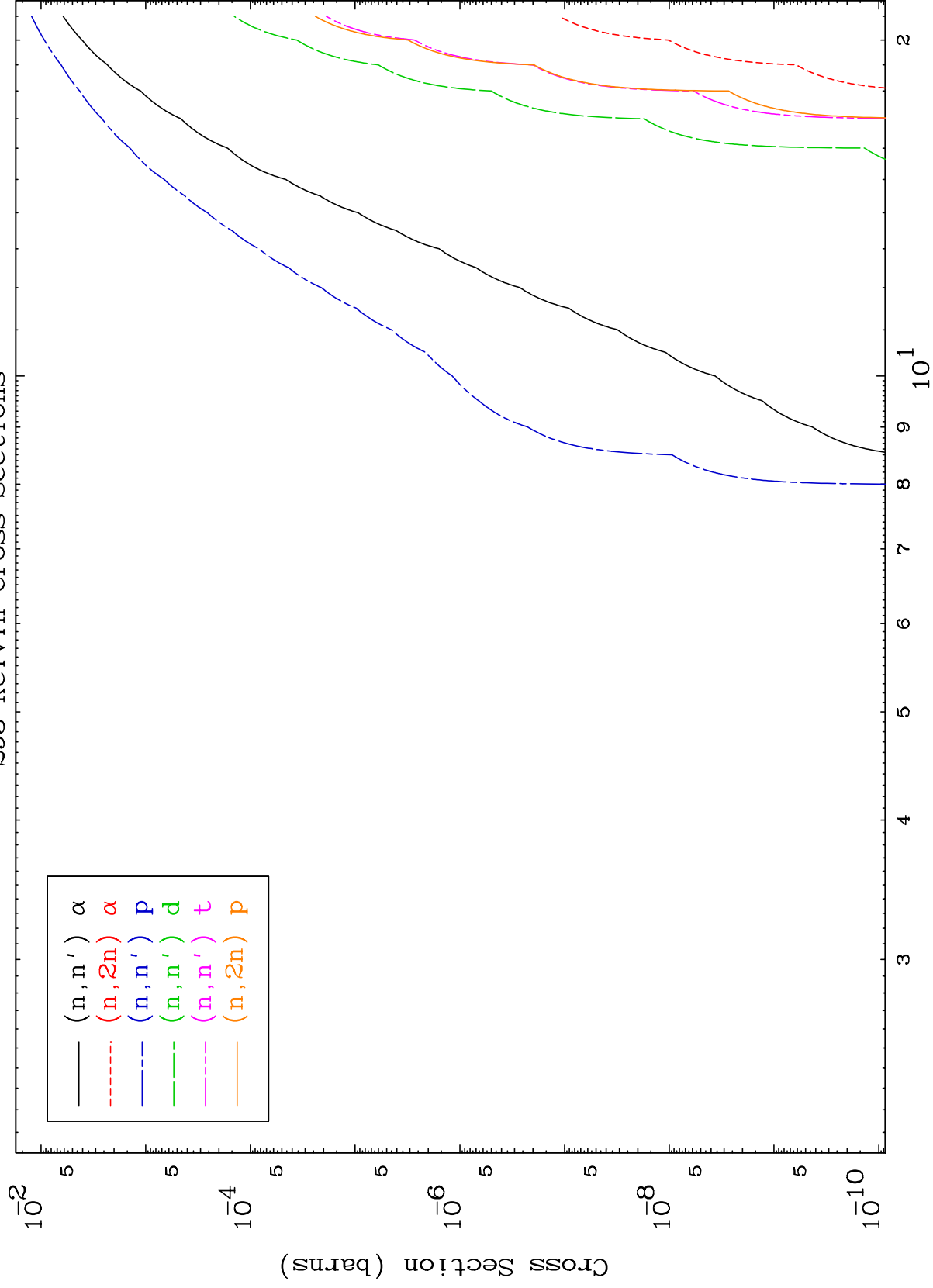
57-La-139

Incident Energy (MeV)

MAT 5728

Charged Particle
293 Kelvin Cross Sections

57-La-139



3

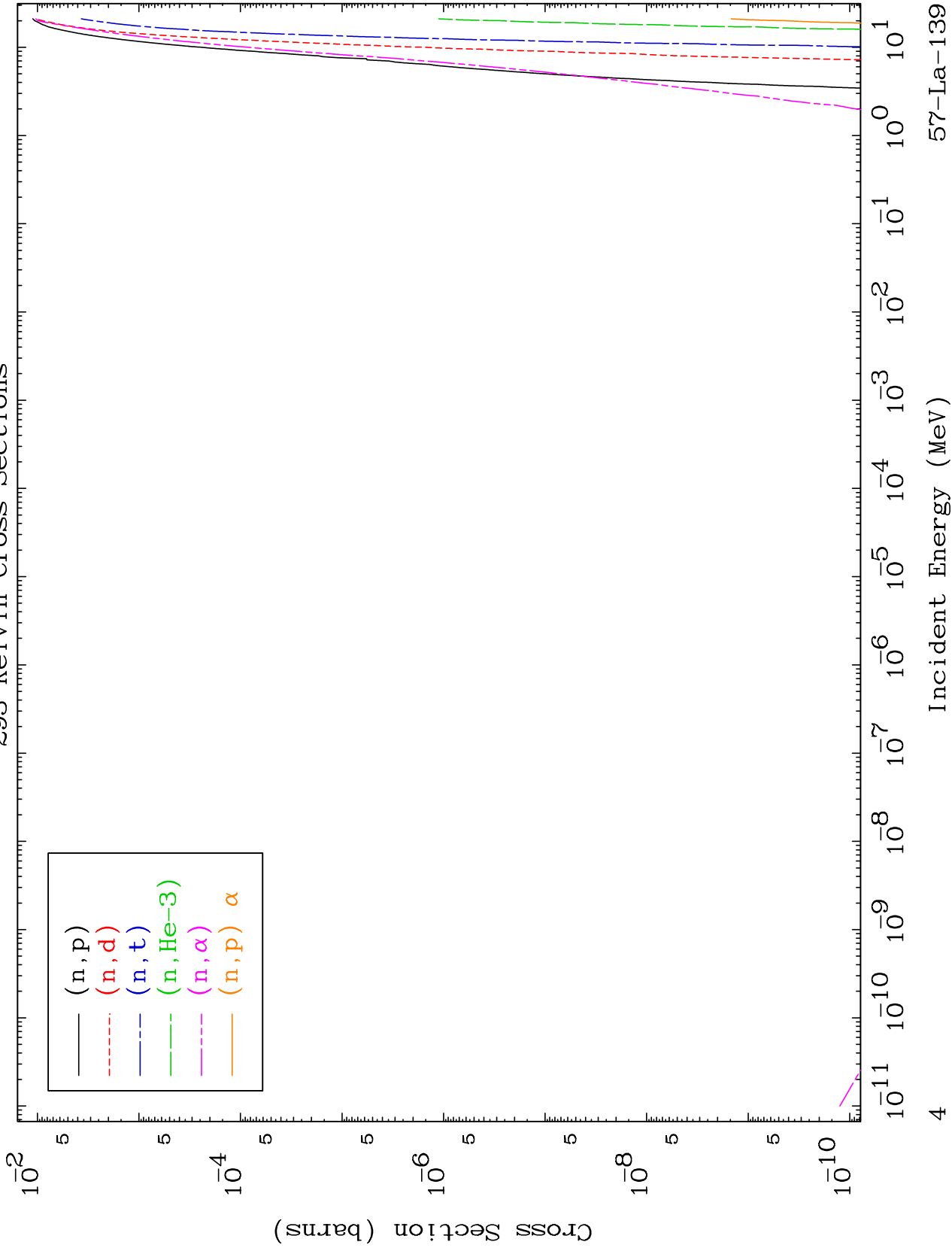
Incident Energy (MeV)

57-La-139

MAT 5728

Charged Particle
293 Kelvin Cross Sections

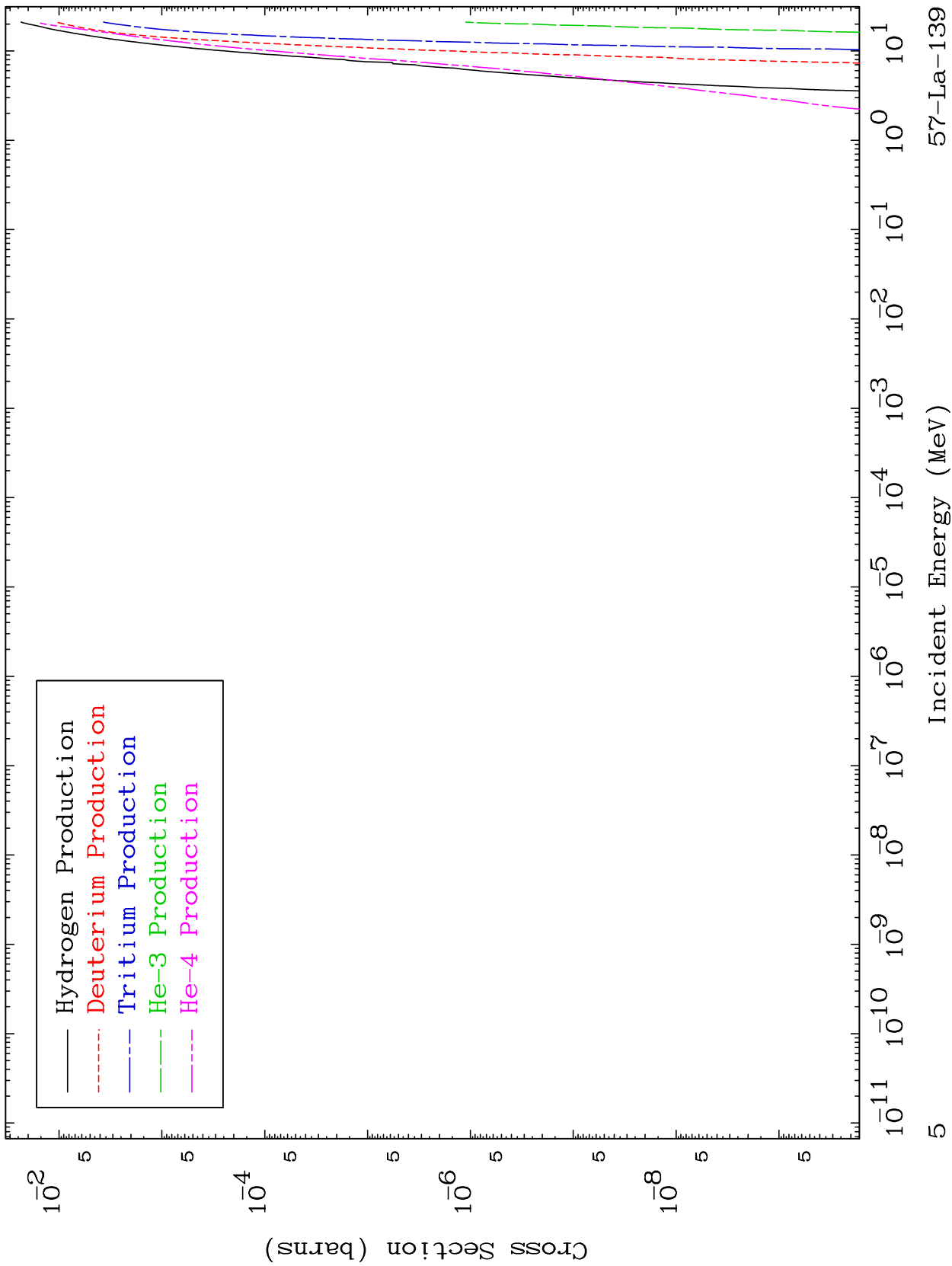
57-La-139



MAT 5728

Particle Production
293 Kelvin Cross Sections

57-La-139



57-La-139

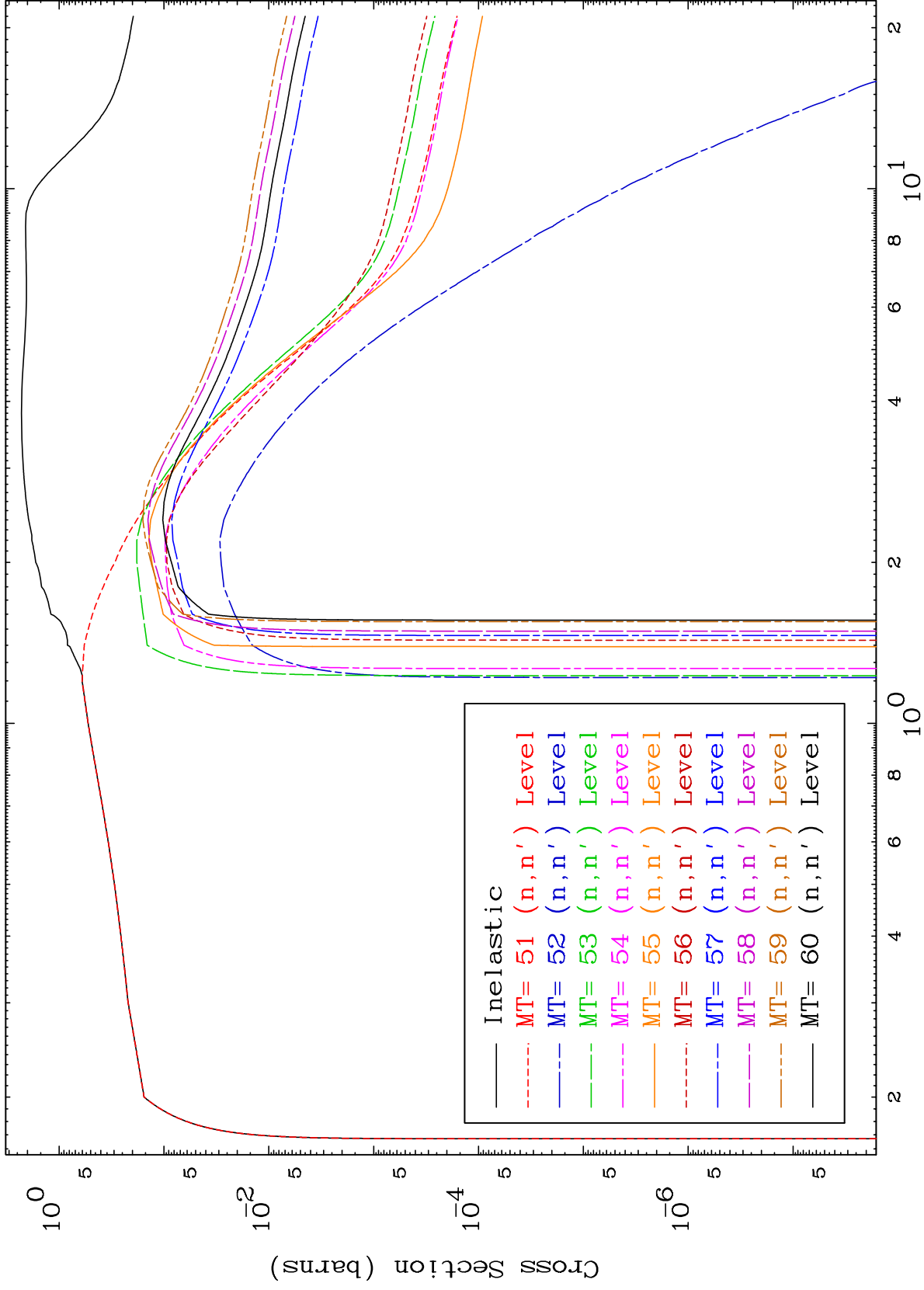
Incident Energy (MeV)

5

MAT 5728

293 Kelvin Cross Sections
(n,n') Level

57-La-139



6

Incident Energy (MeV)

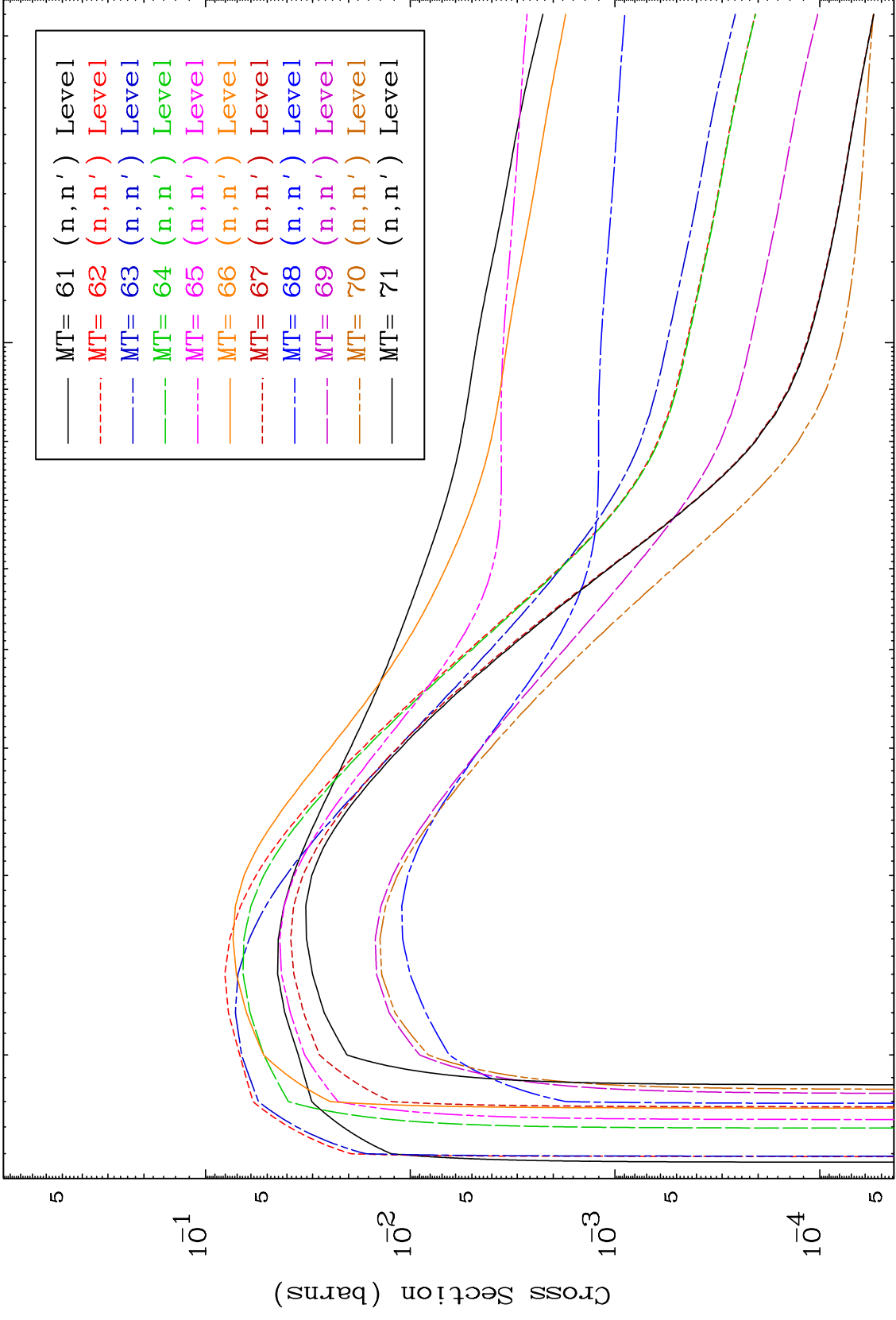
57-La-139

MAT 5728

(n,n') Level

57-La-139

293 Kelvin Cross Sections



7

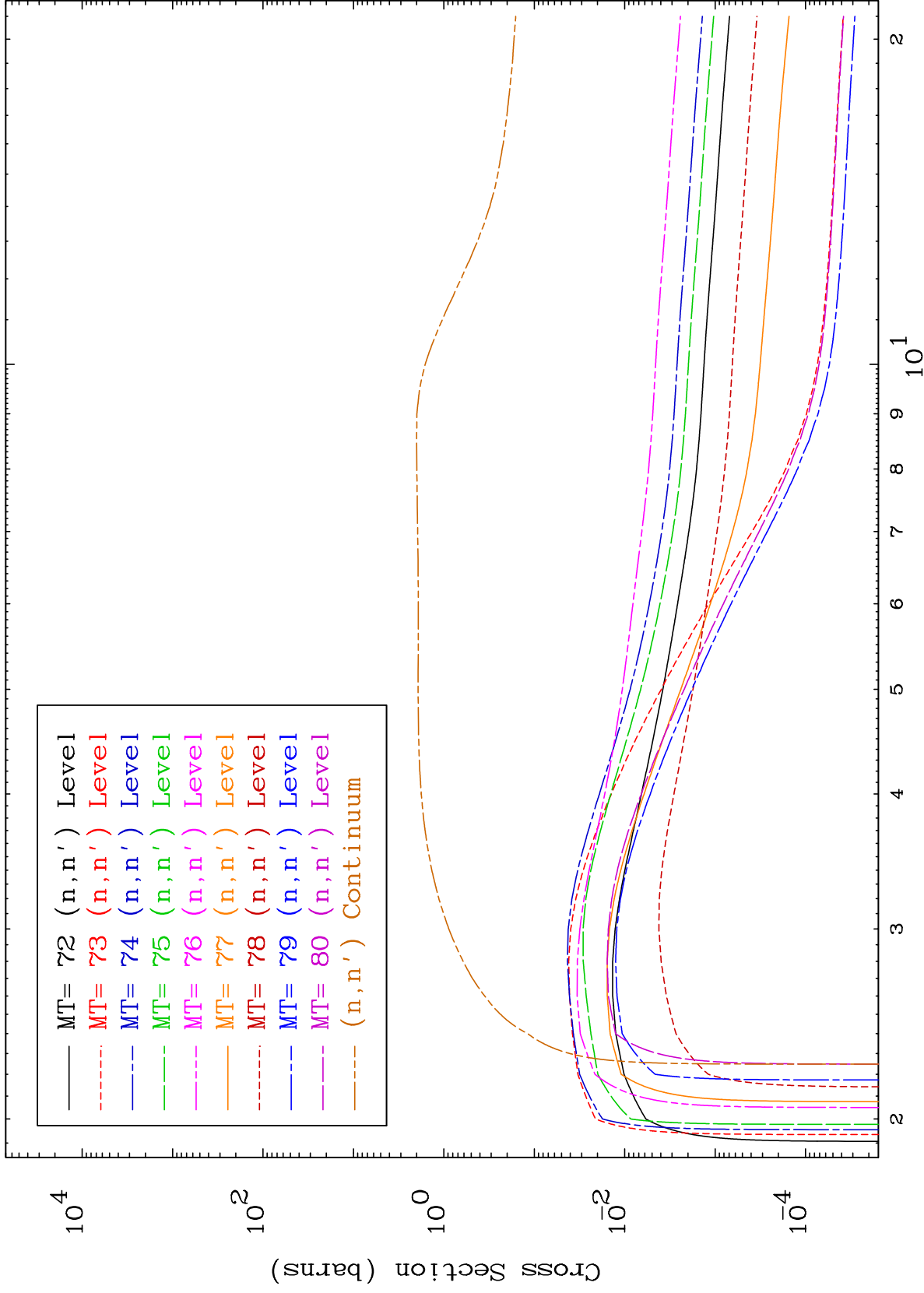
Incident Energy (MeV)

57-La-139

MAT 5728

293 (n,n') Level
Kelvin Cross Sections

57-La-139



8

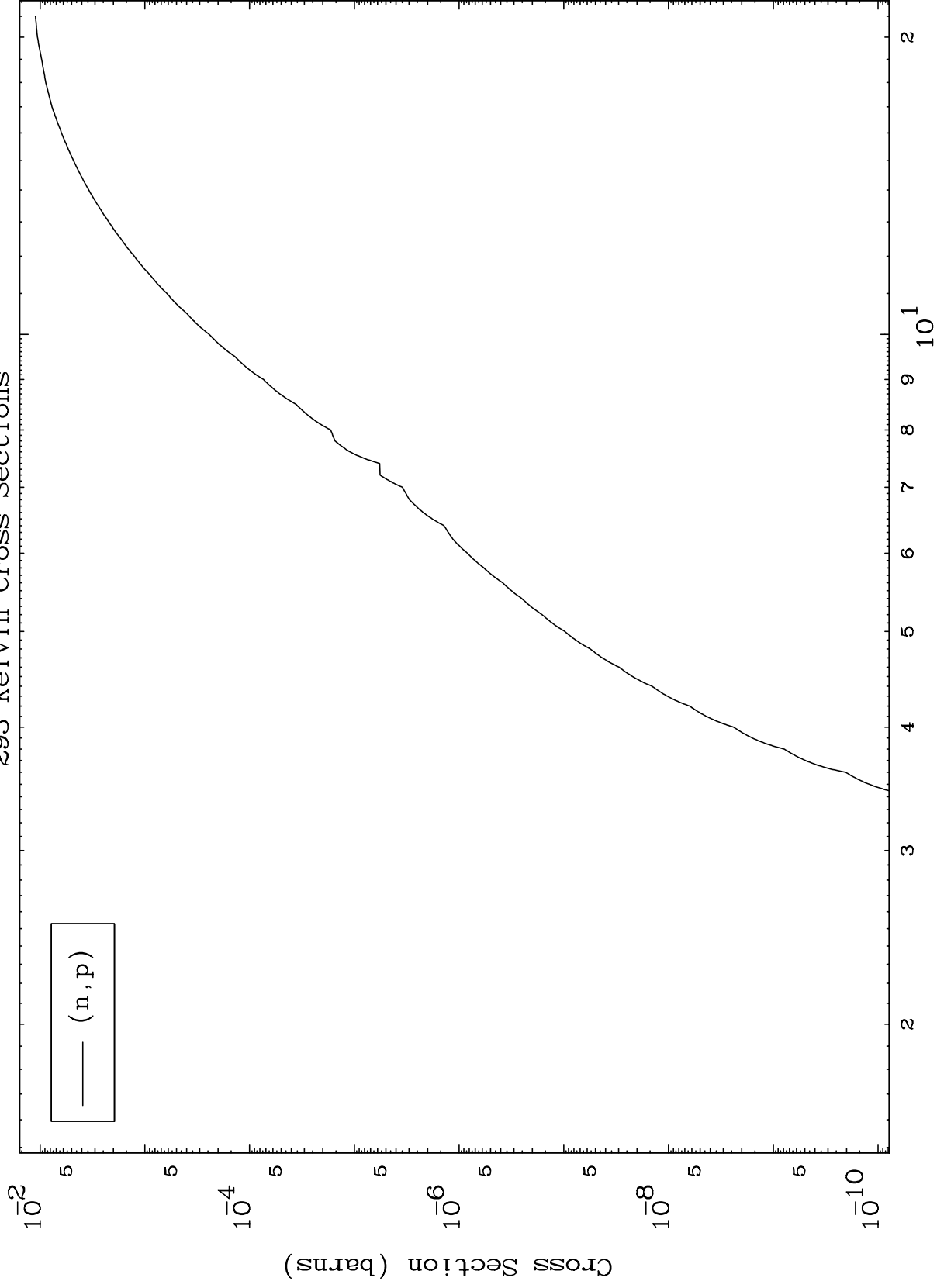
Incident Energy (MeV)

57-La-139

MAT 5728

(n,p) Levels
293 Kelvin Cross Sections

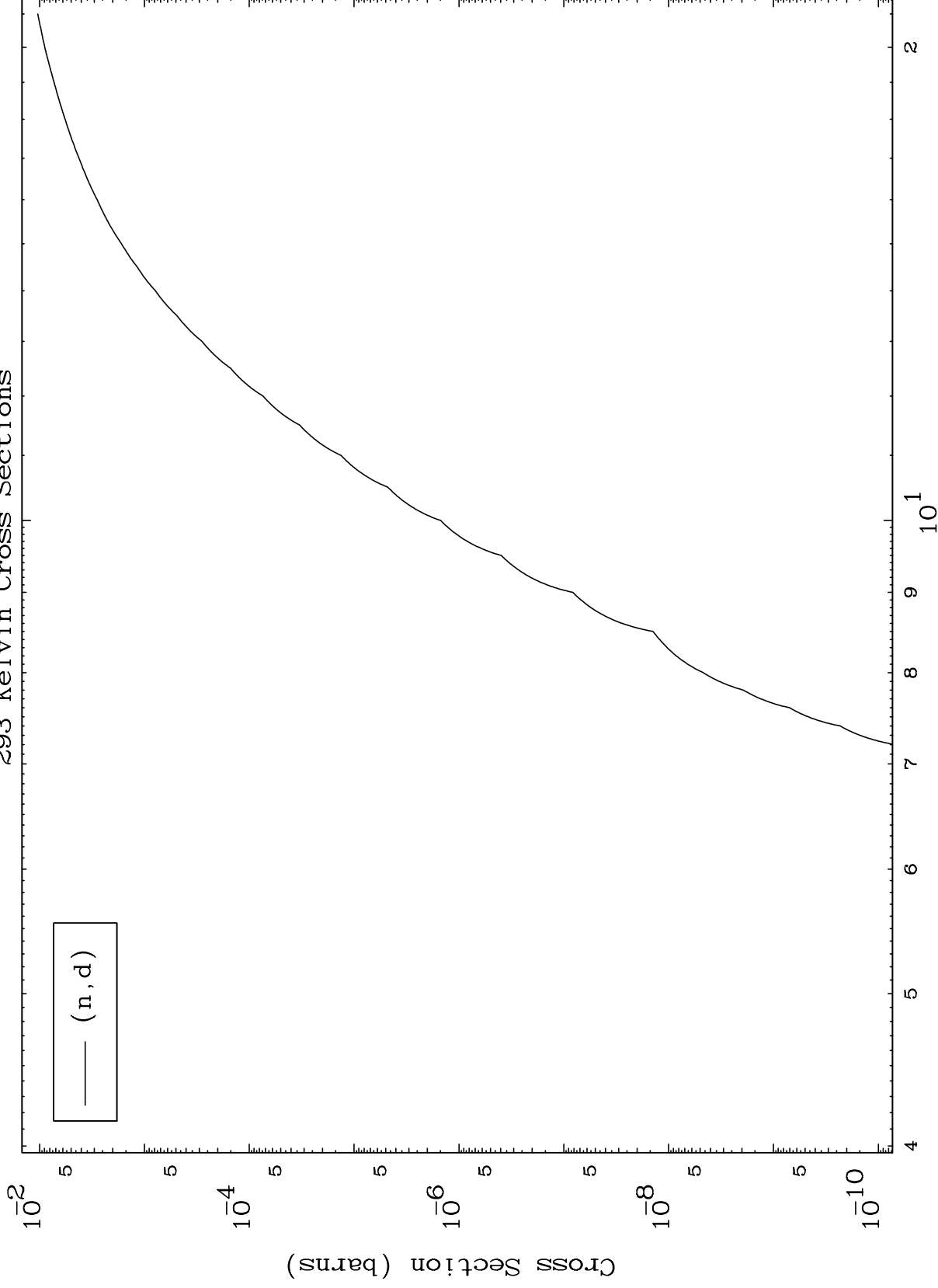
57-La-139



MAT 5728

(n,d) Levels
293 Kelvin Cross Sections

57-La-139



57-La-139

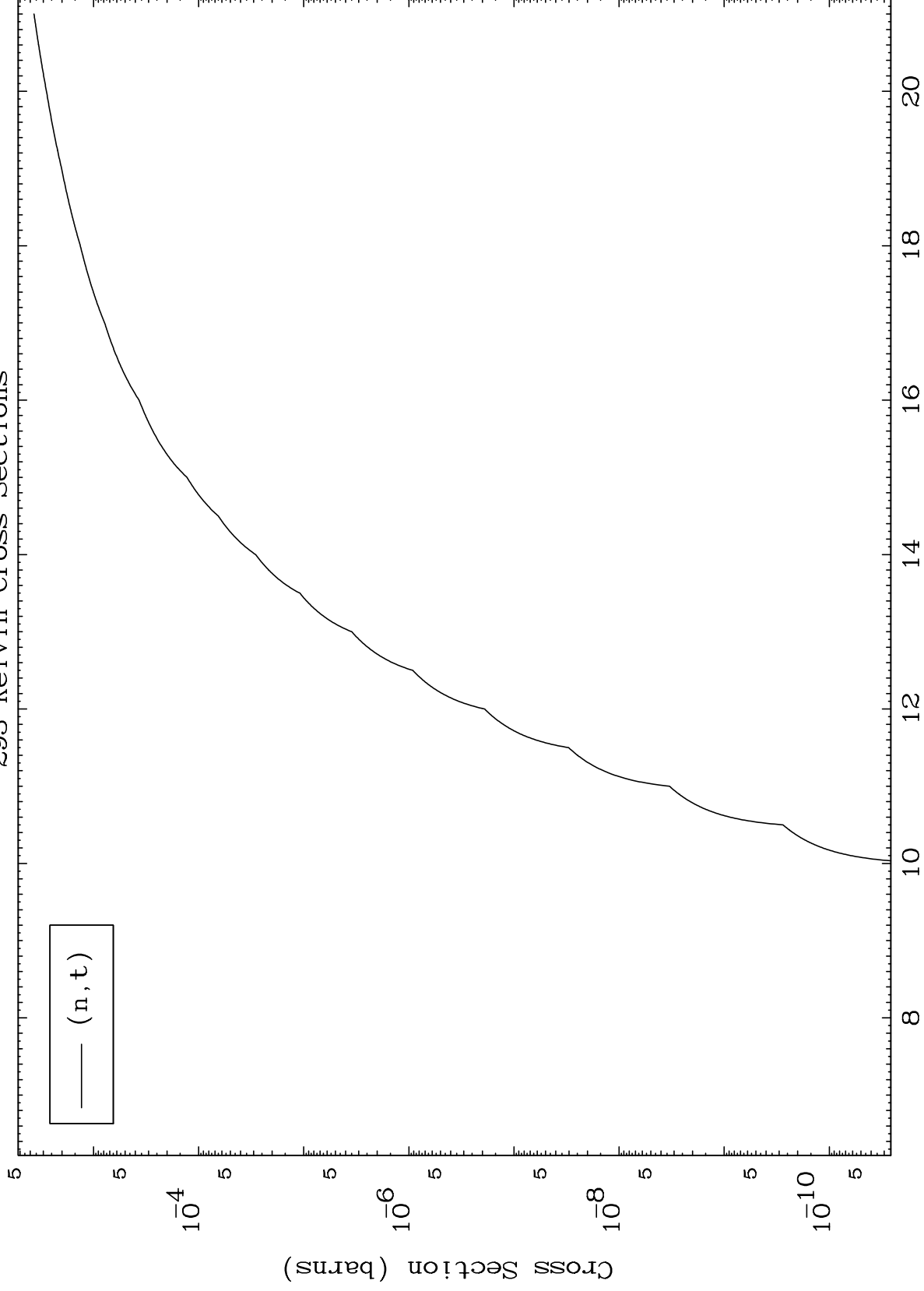
Incident Energy (MeV)

10

MAT 5728

(n,t) Levels
293 Kelvin Cross Sections

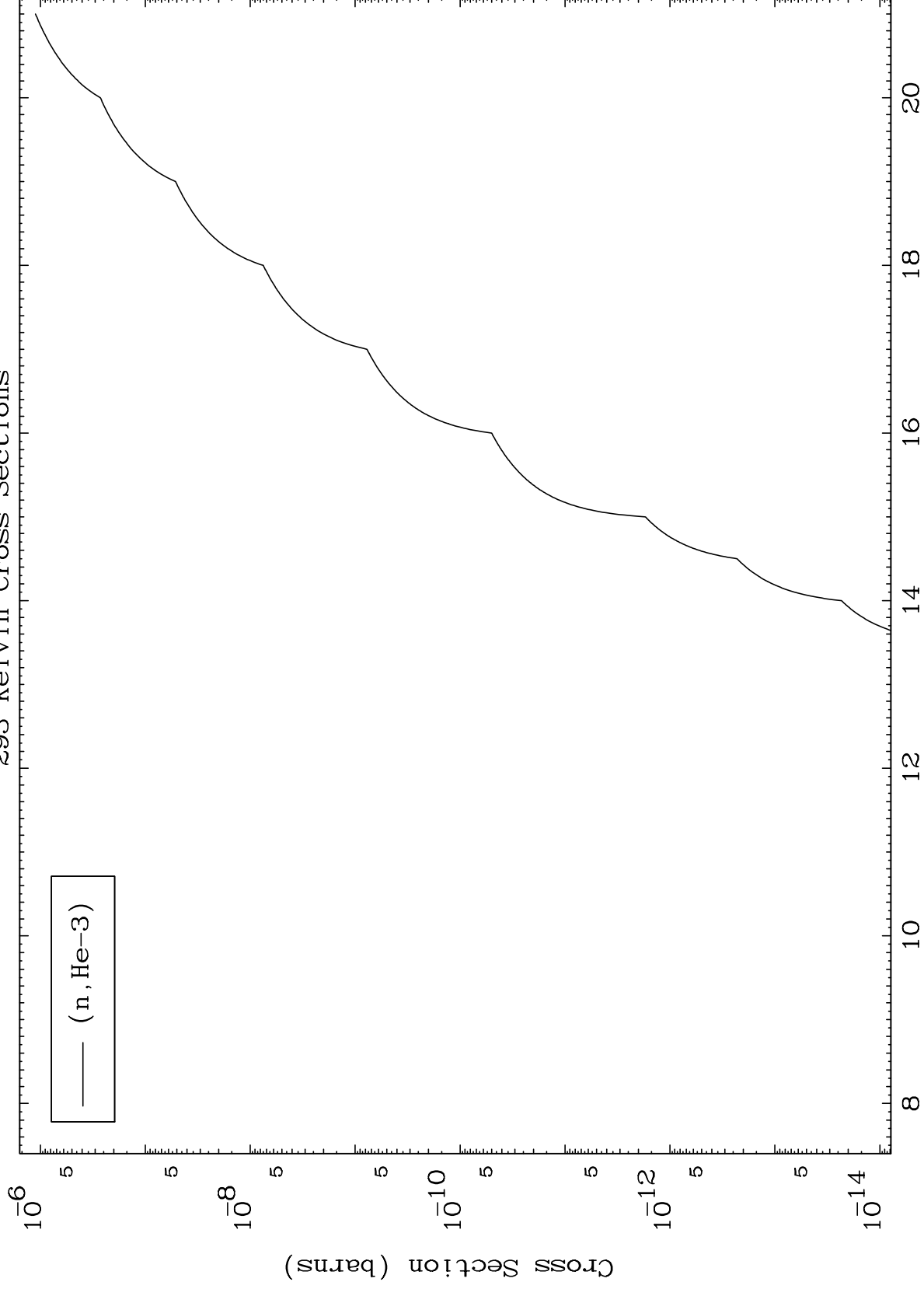
57-La-139



MAT 5728

(n,He3) Levels
293 Kelvin Cross Sections

57-La-139



12

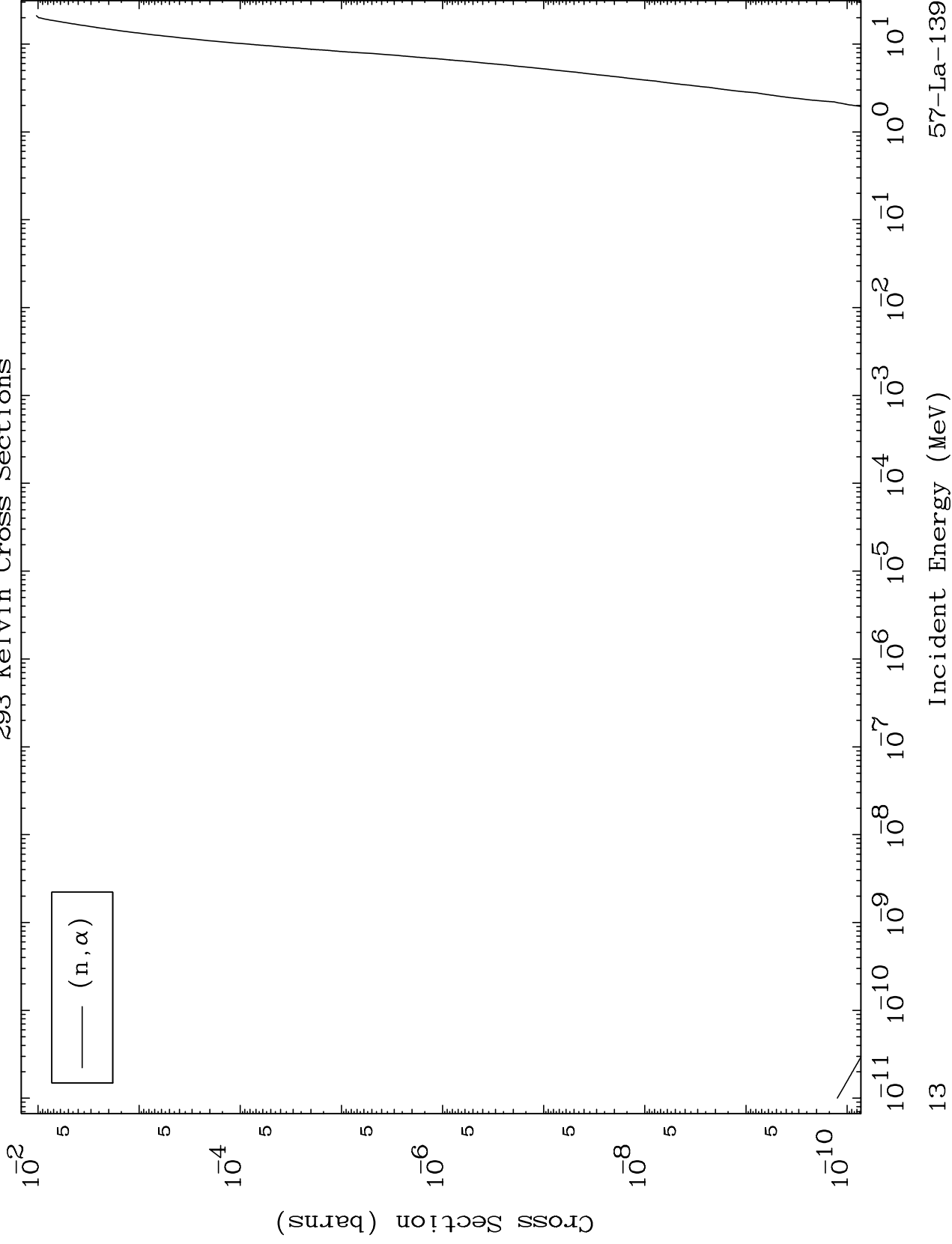
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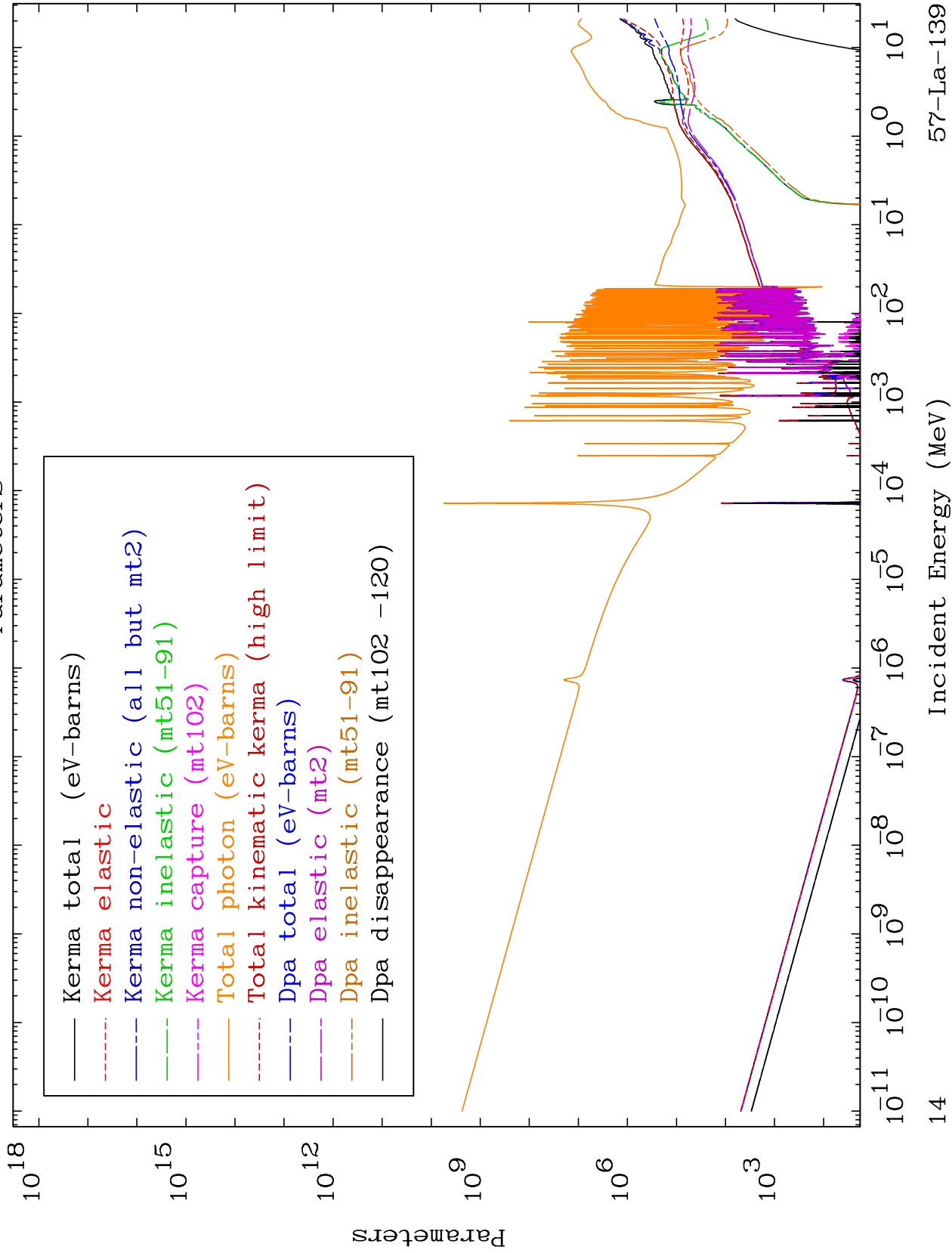
57-La-139

MAT 5728

(n, α) Levels
293 Kelvin Cross Sections

57-La-139

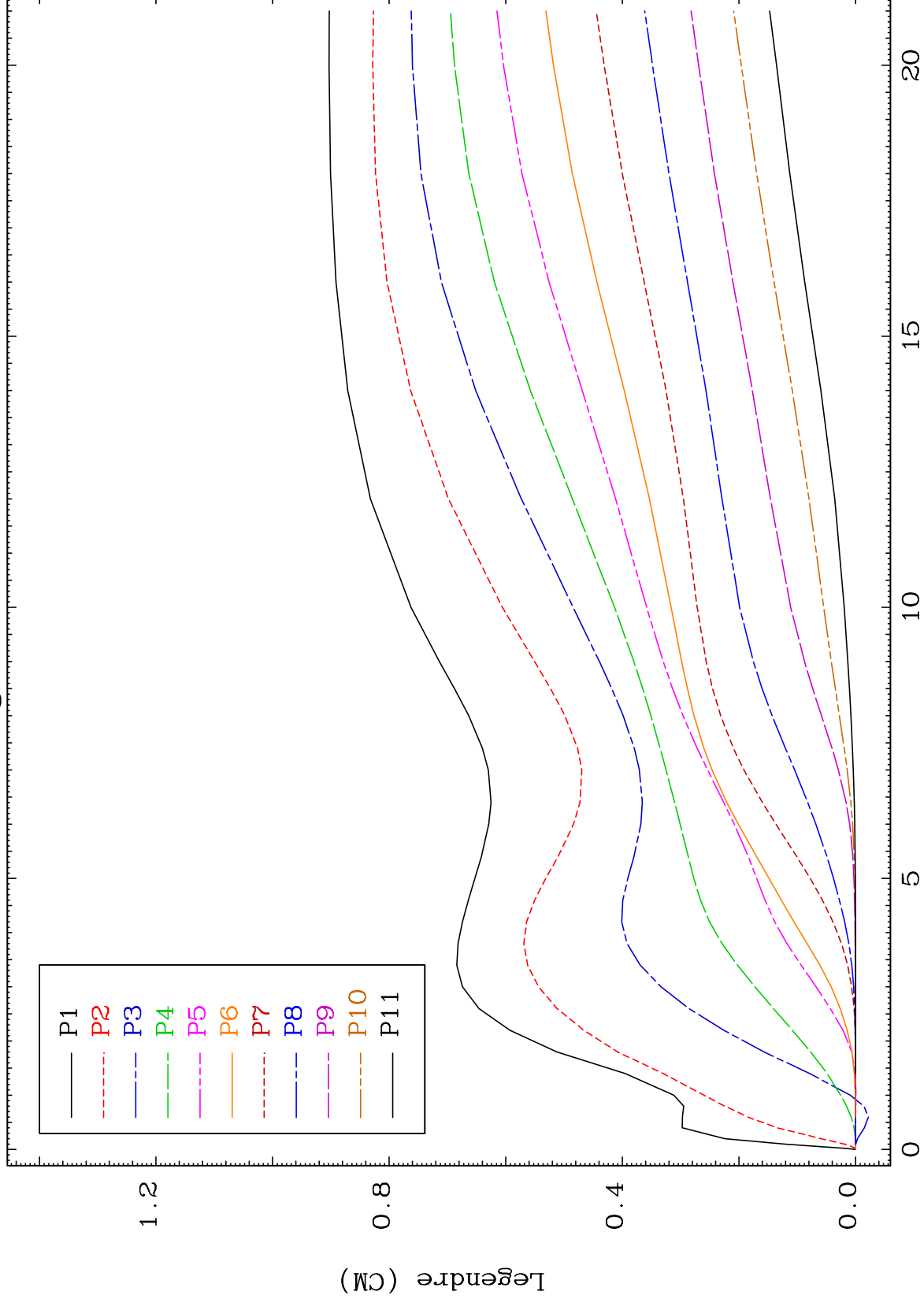




MAT 5728

Elastic Legendre Coefficients

57-La-139



15

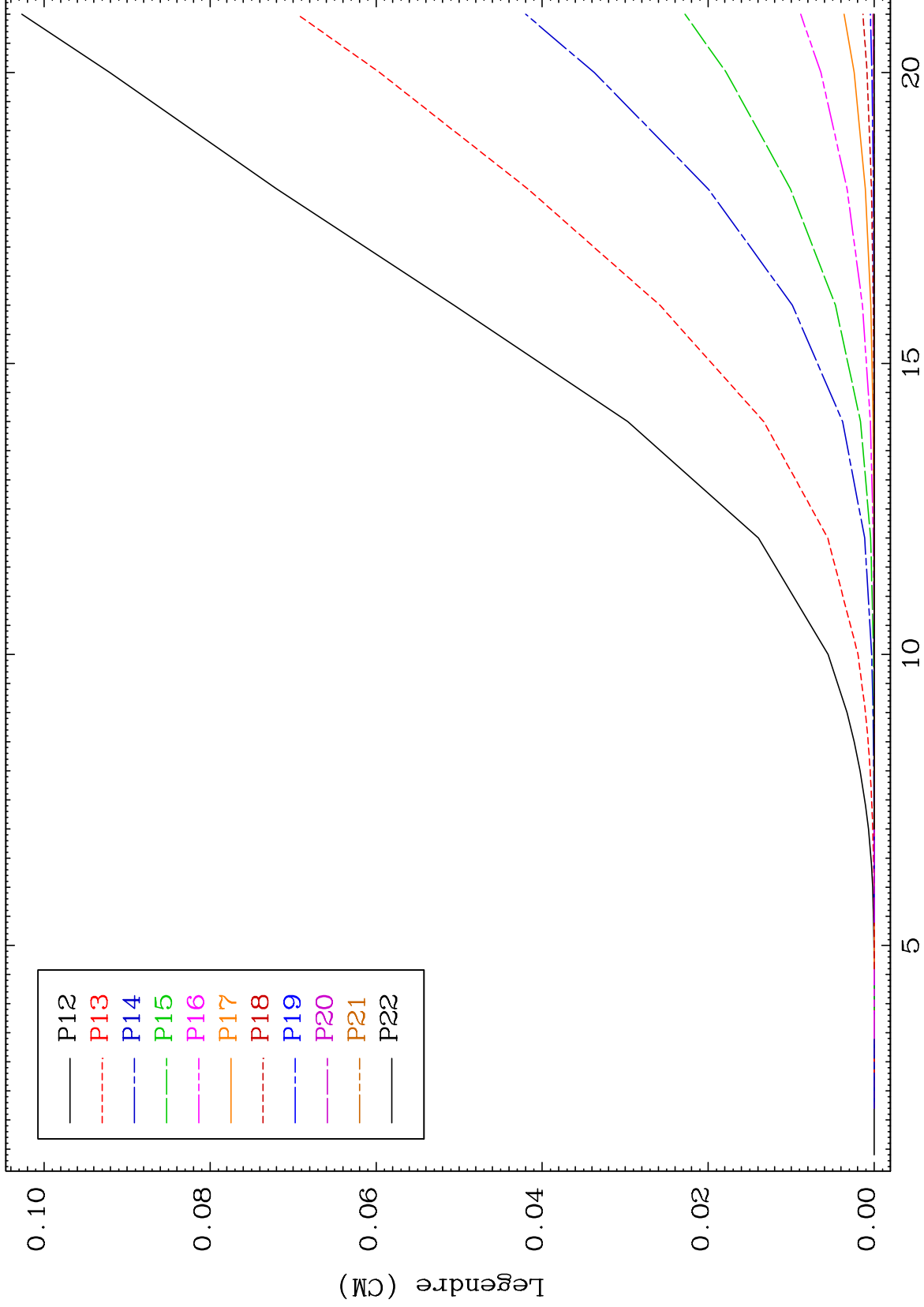
Incident Energy (MeV)

57-La-139

MAT 5728

Elastic Legendre Coefficients

57-La-139



57-La-139

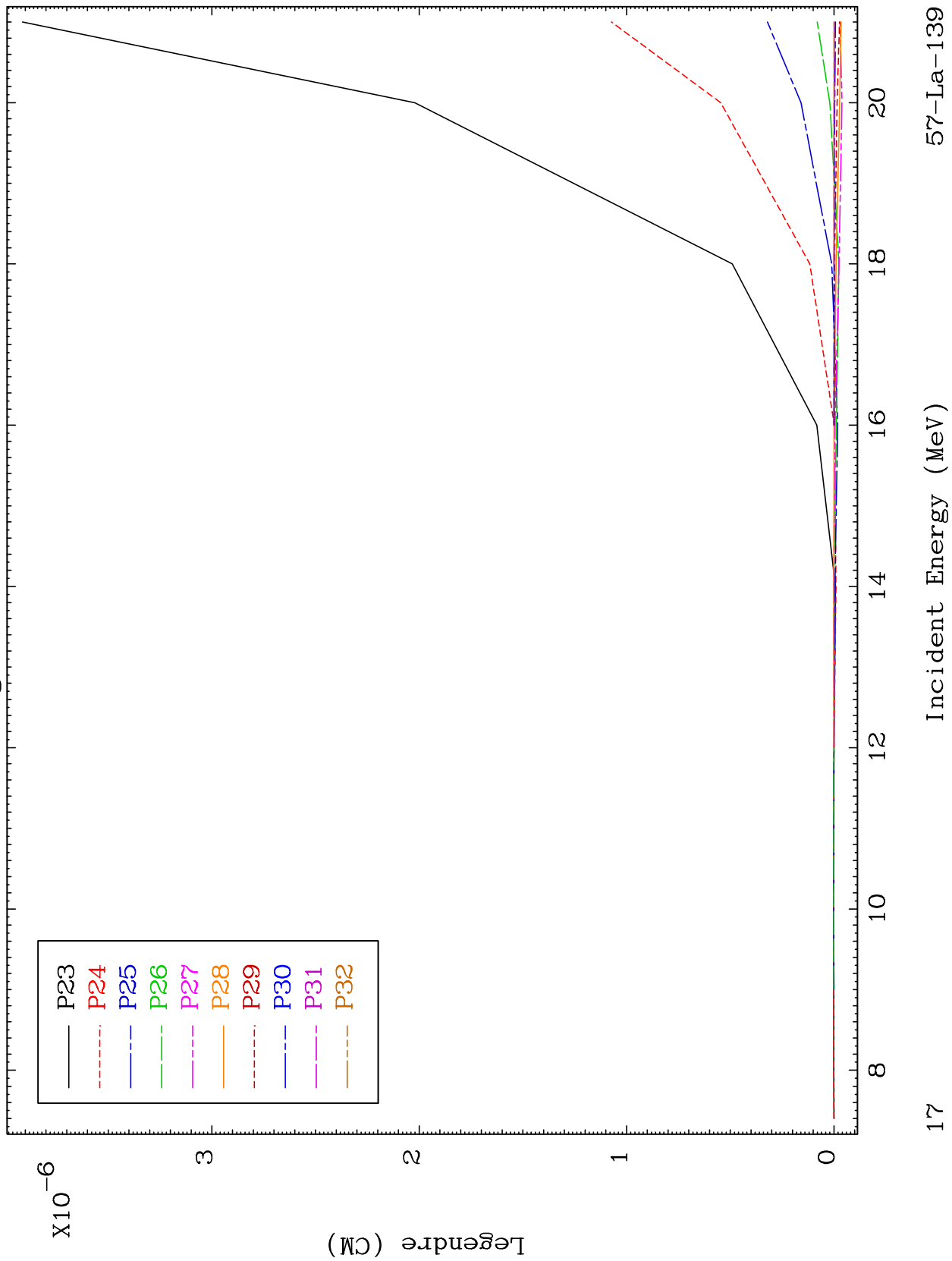
Incident Energy (MeV)

16

MAT 5728

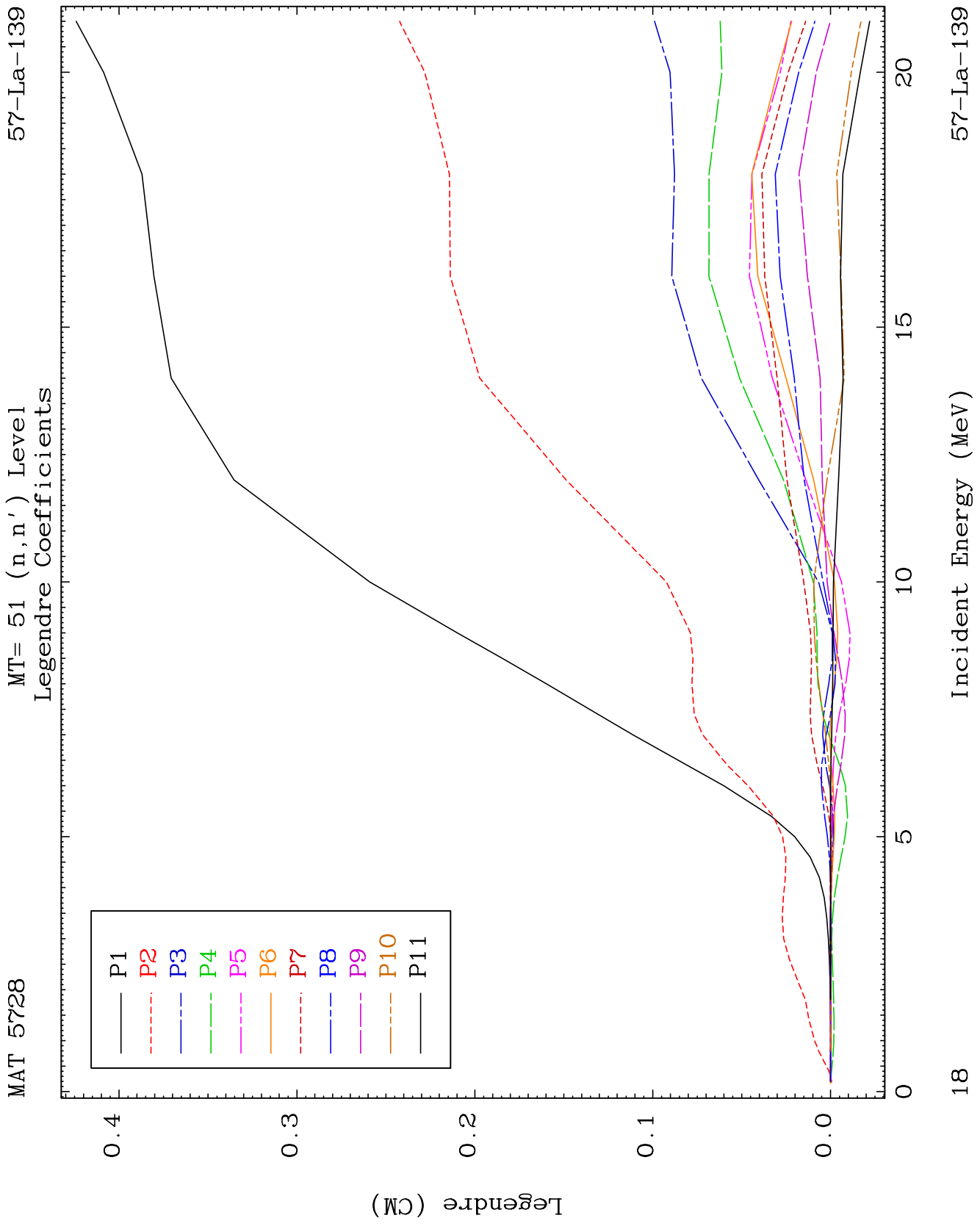
Elastic
Legendre Coefficients

57-La-139



17

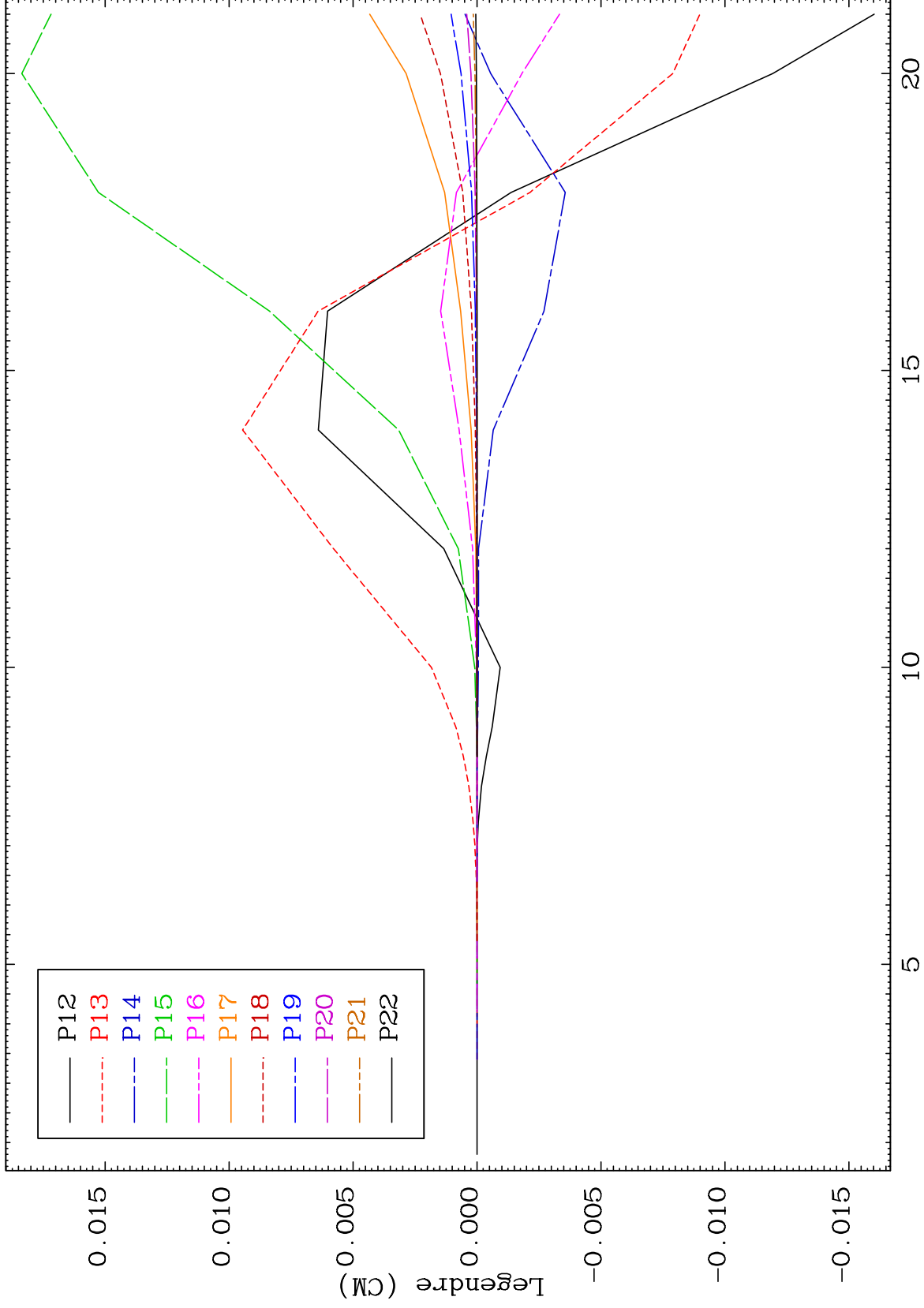
57-La-139



MAT 5728

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

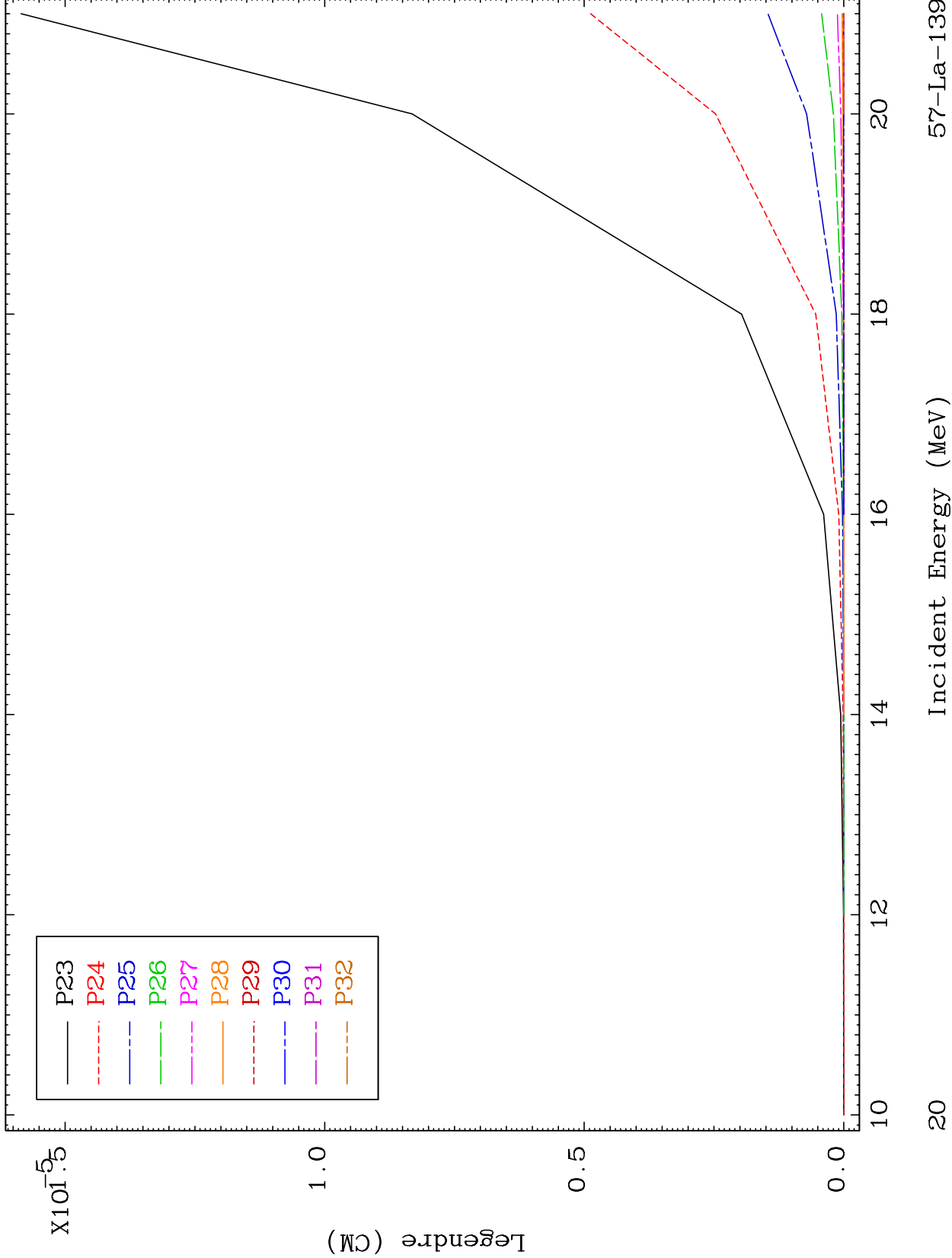
57-La-139



MAT 5728

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

57-La-139



57-La-139

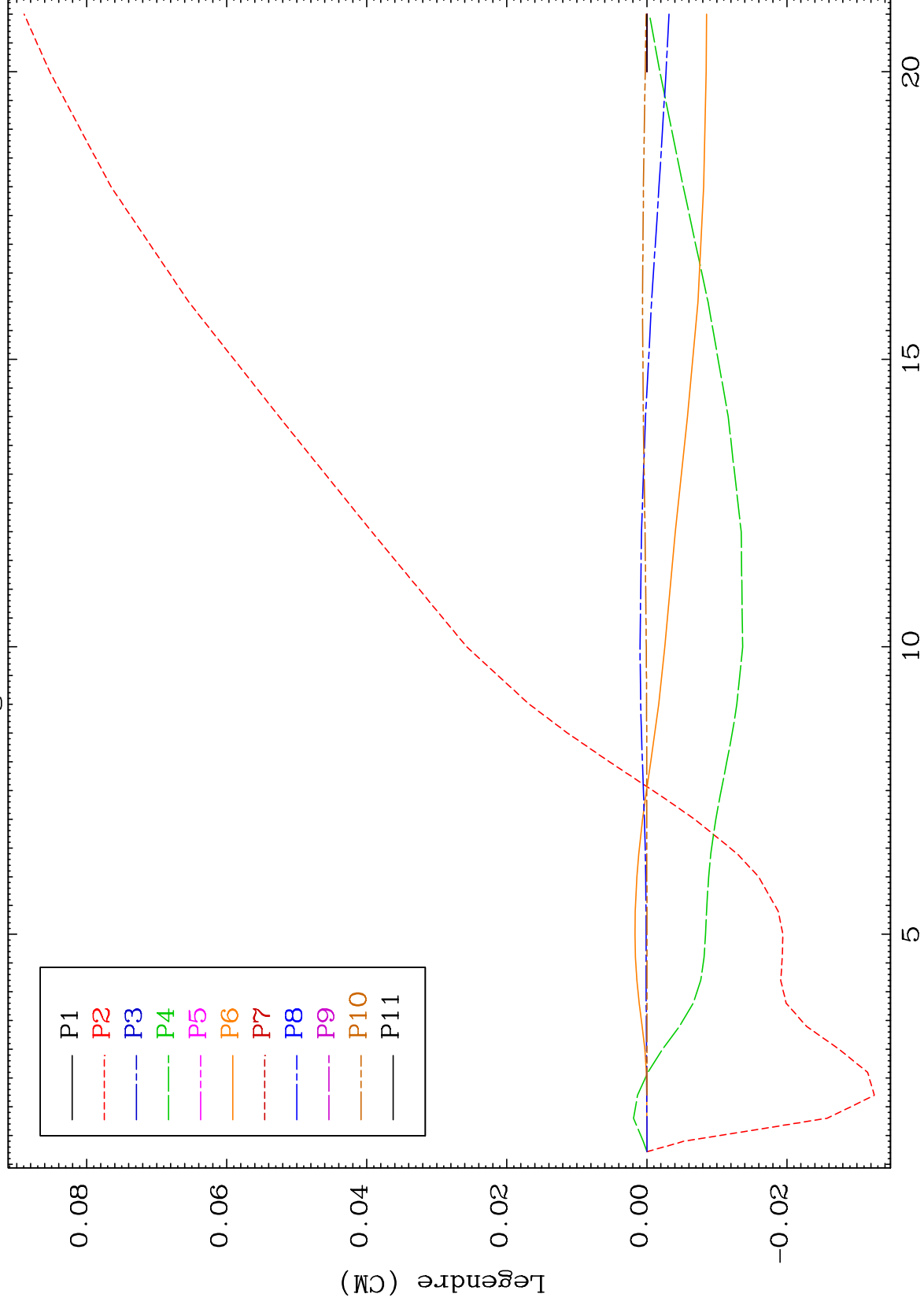
Incident Energy (MeV)

20

MAT 5728

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

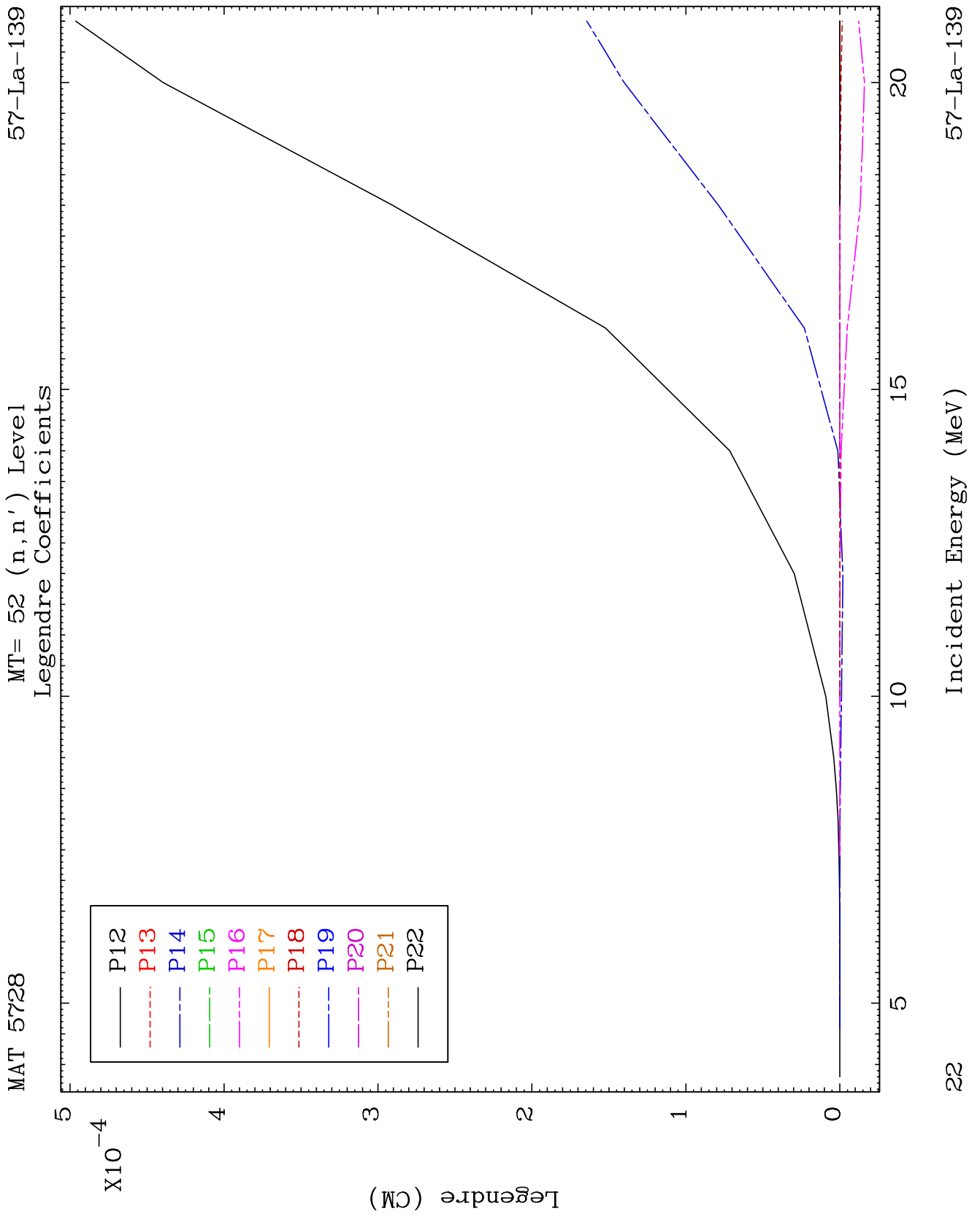
57-La-139



21

Incident Energy (MeV)

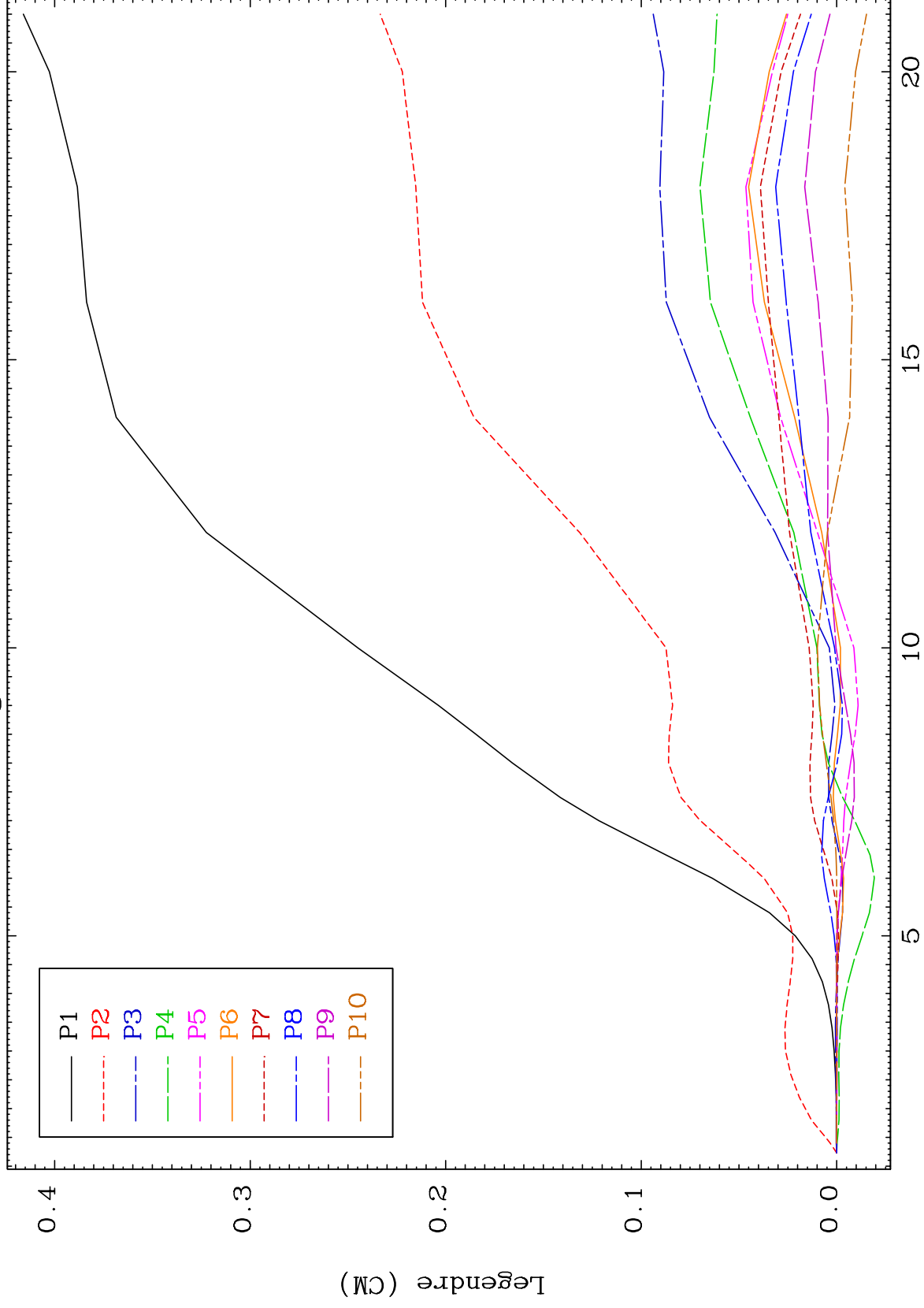
57-La-139



MAT 5728

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

57-La-139



23

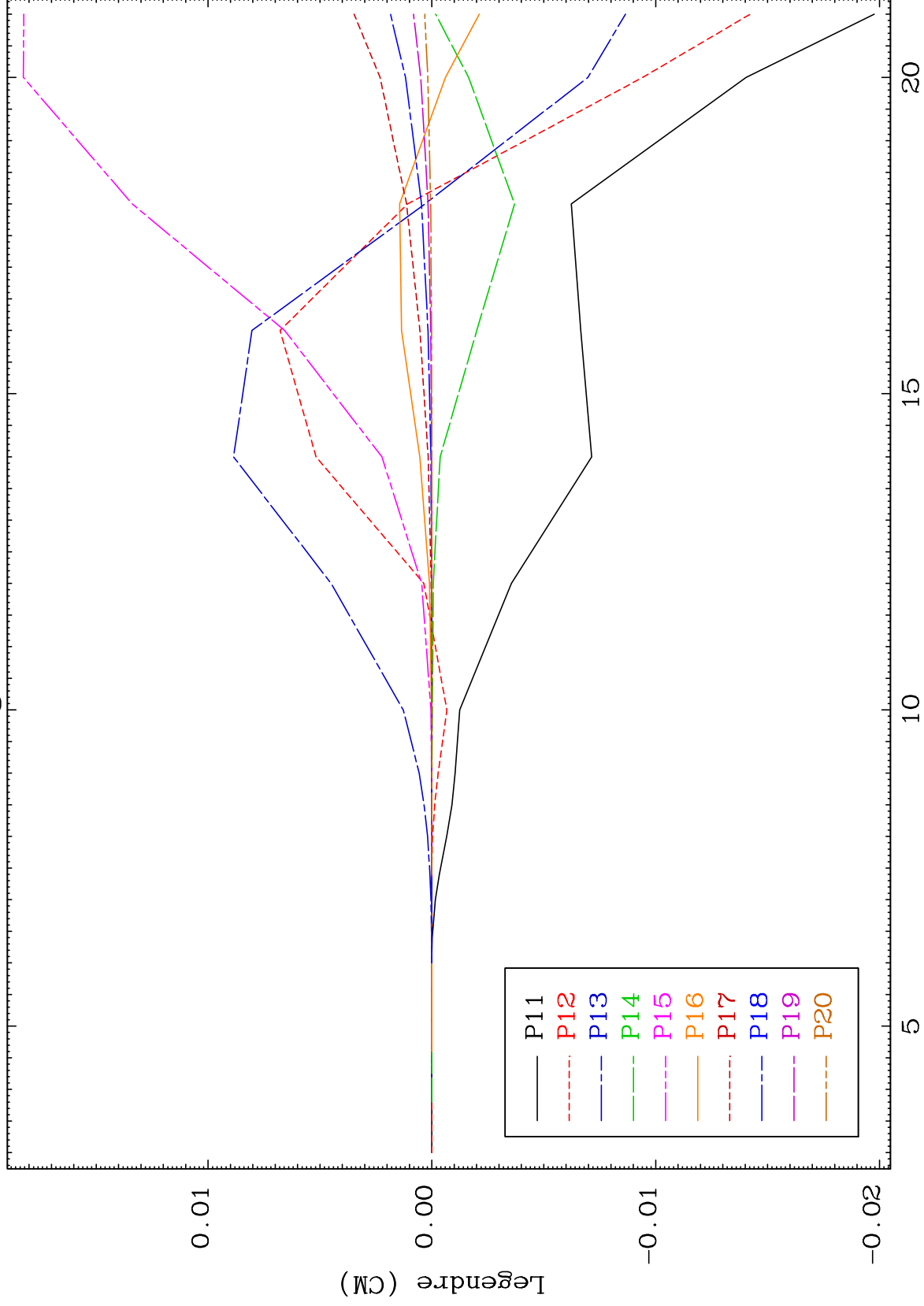
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



24

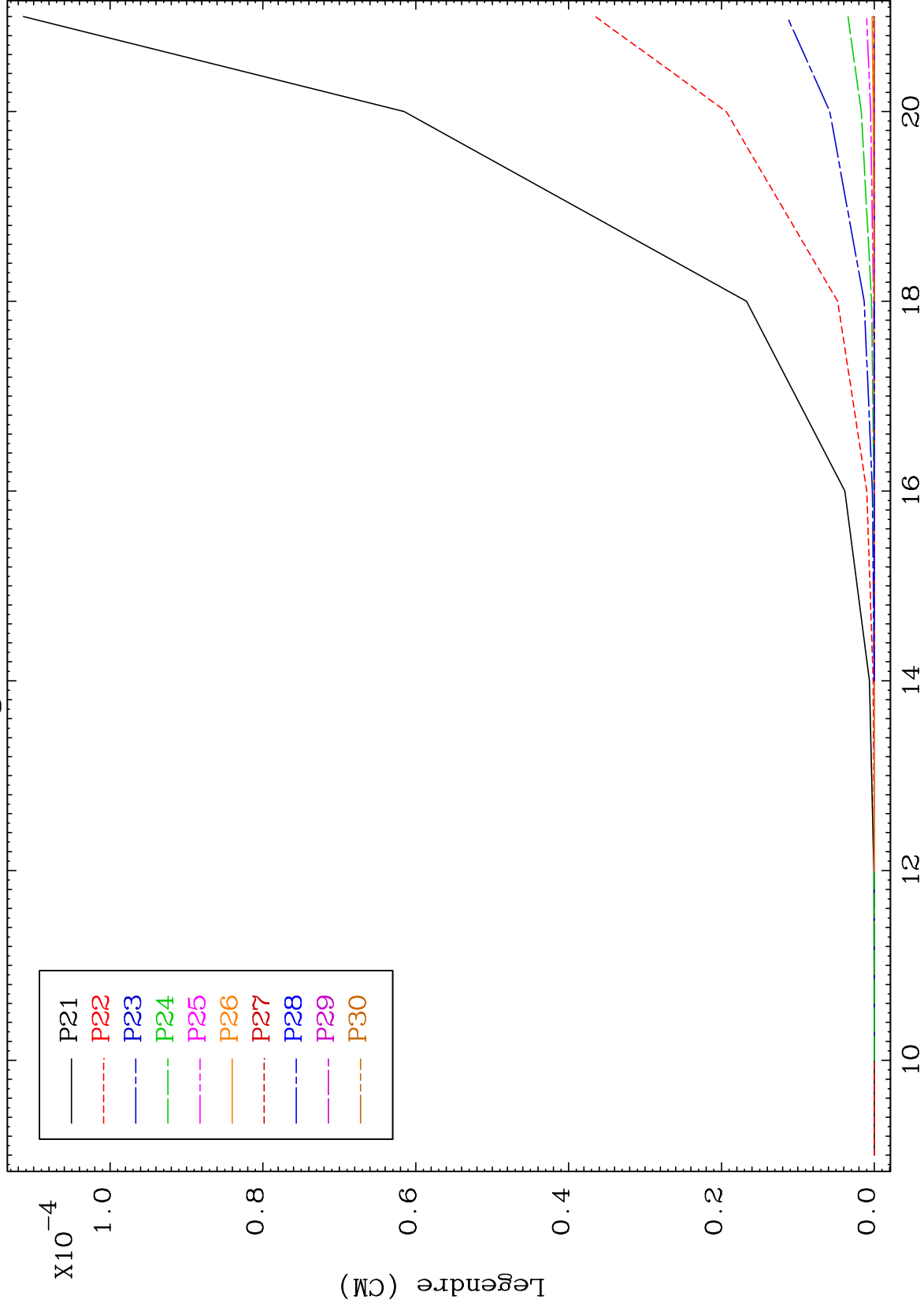
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



25

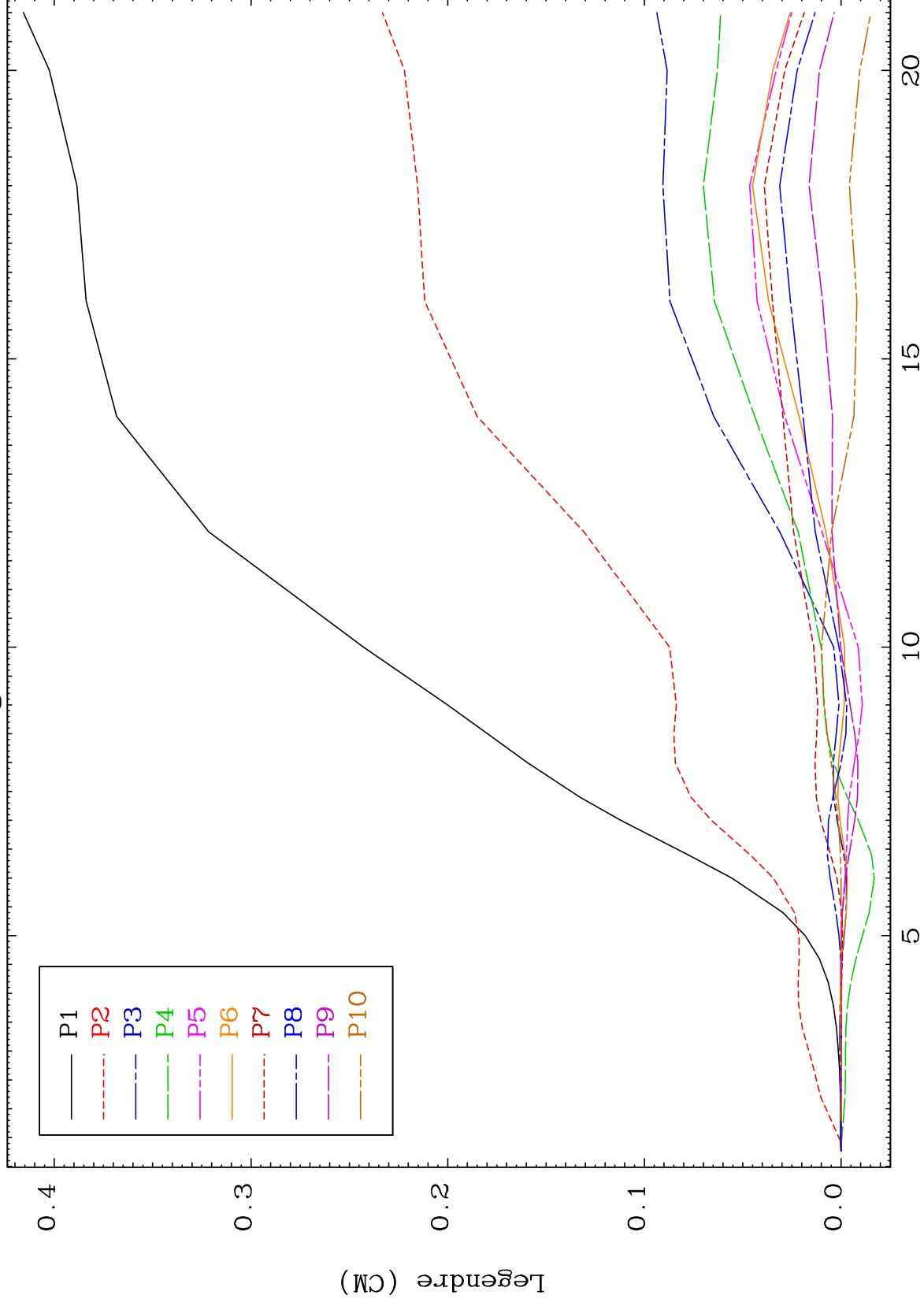
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



26

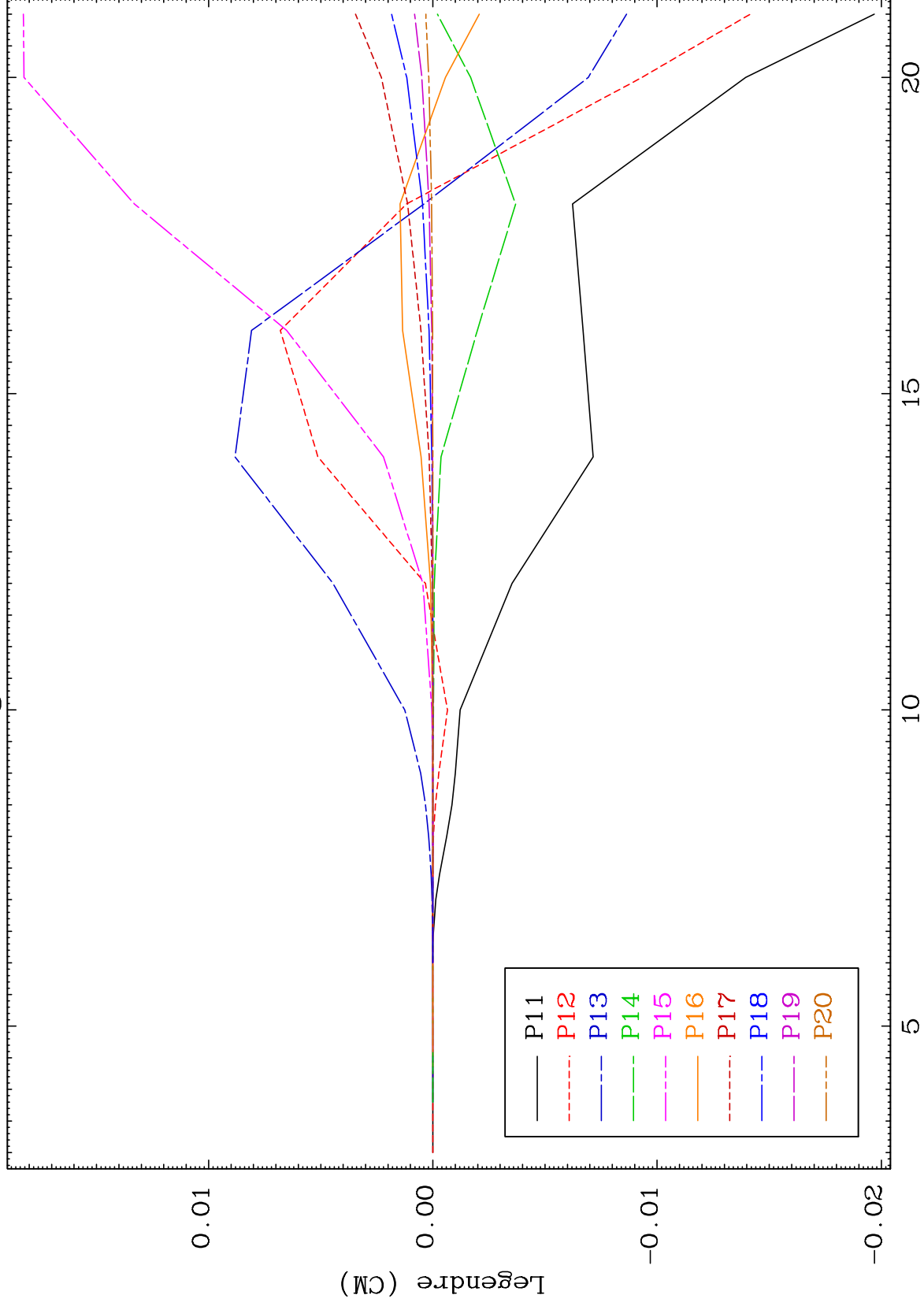
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



27

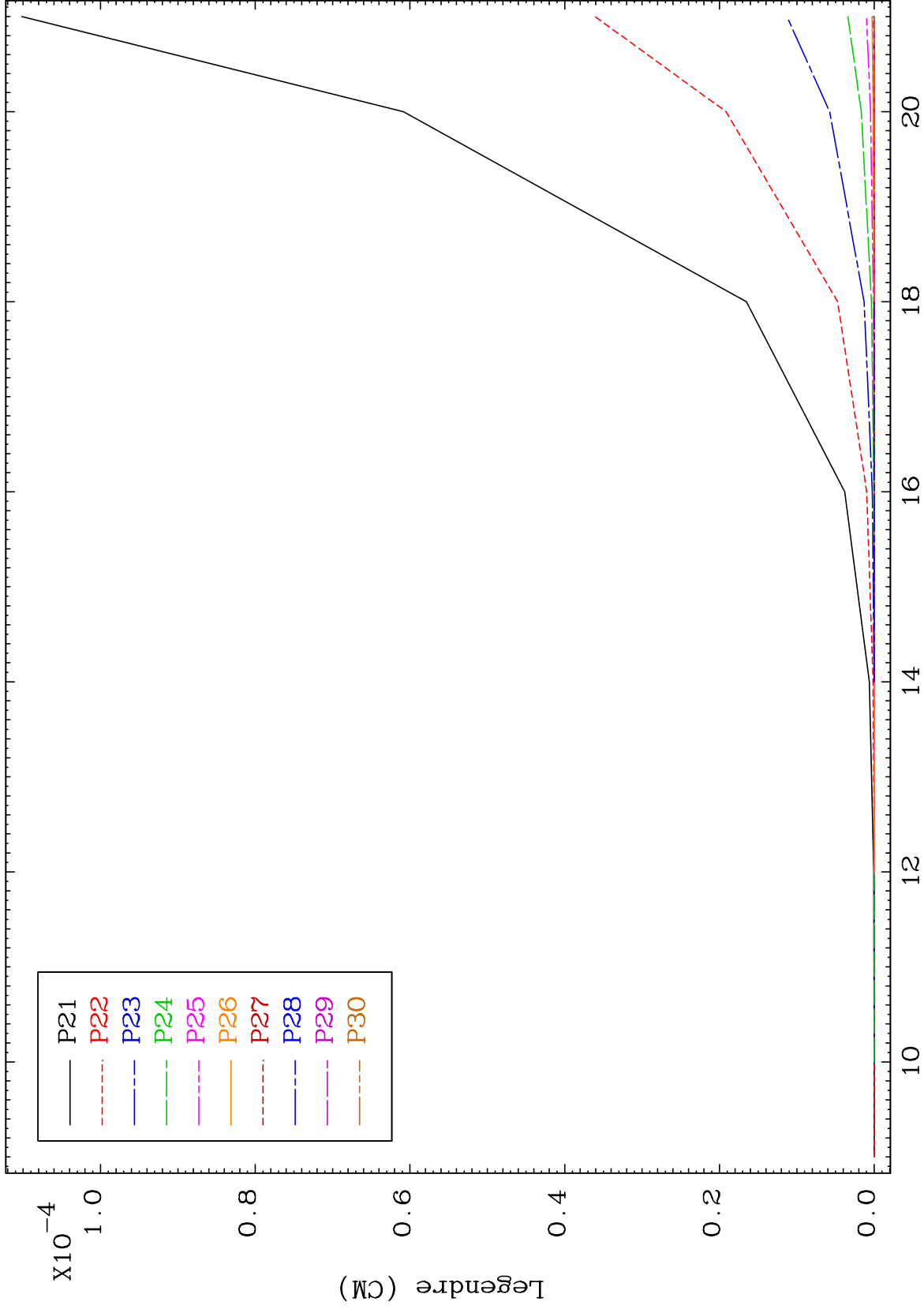
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



28

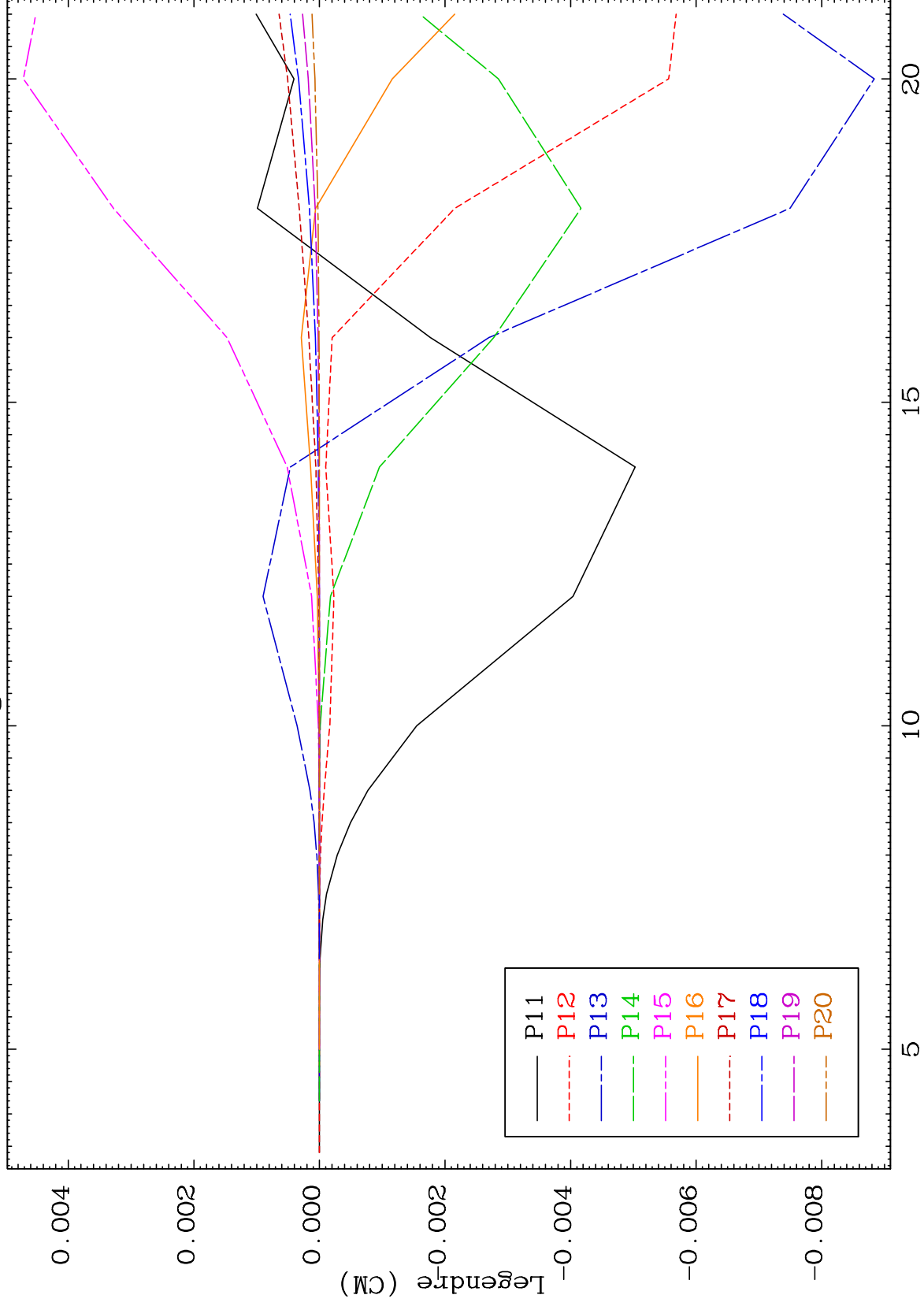
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



30

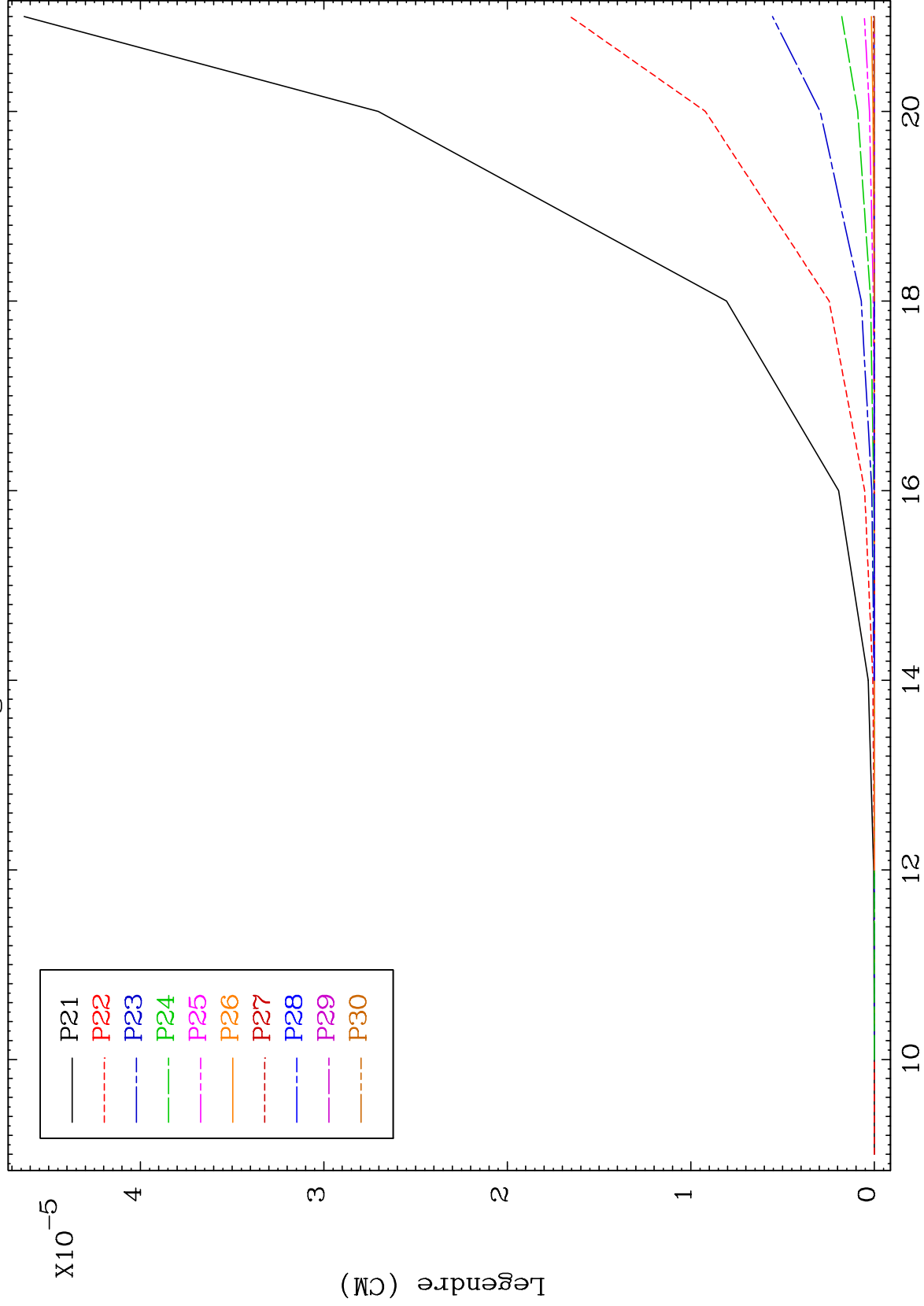
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



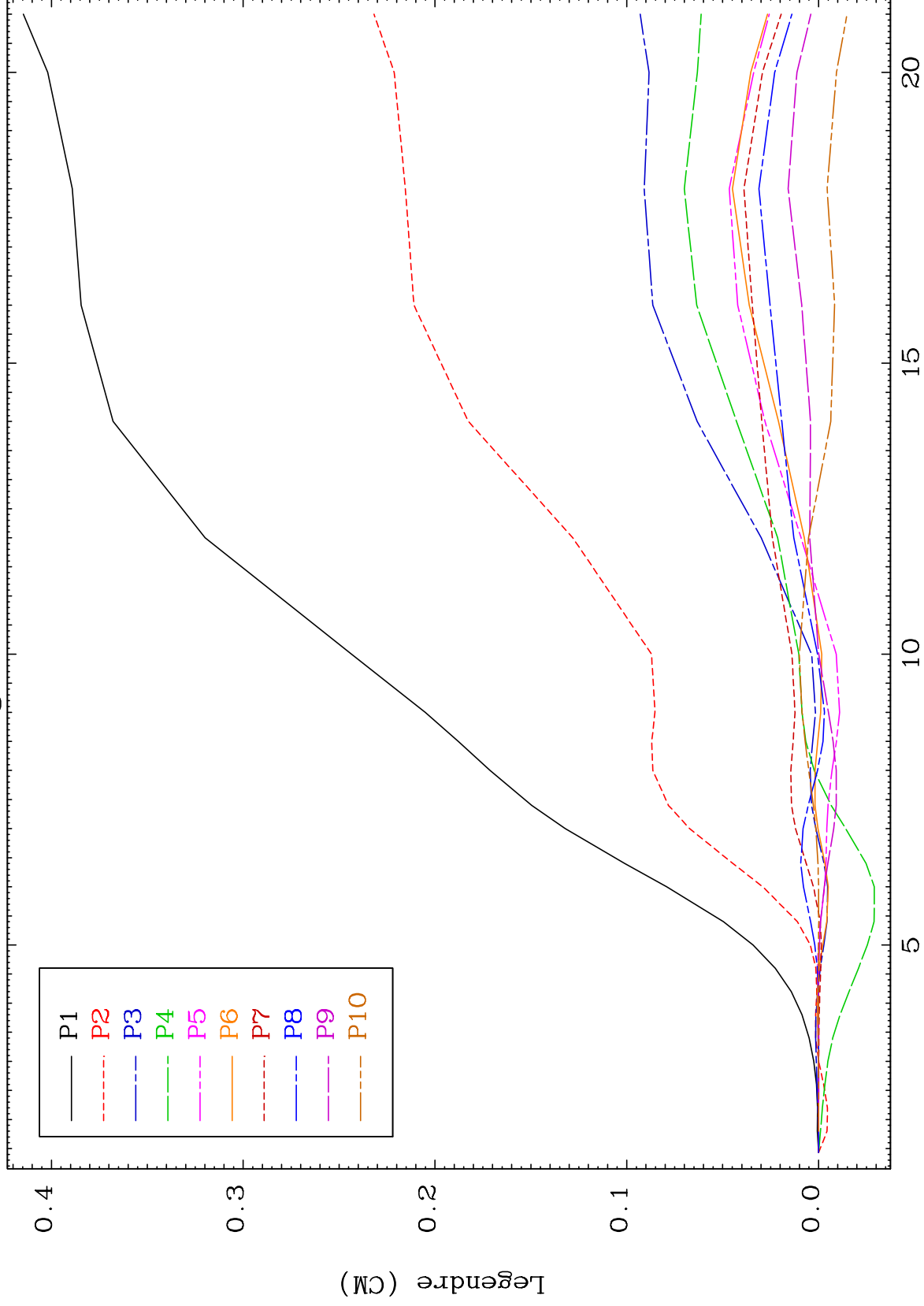
31

57-La-139

MAT 5728

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

57-La-139



32

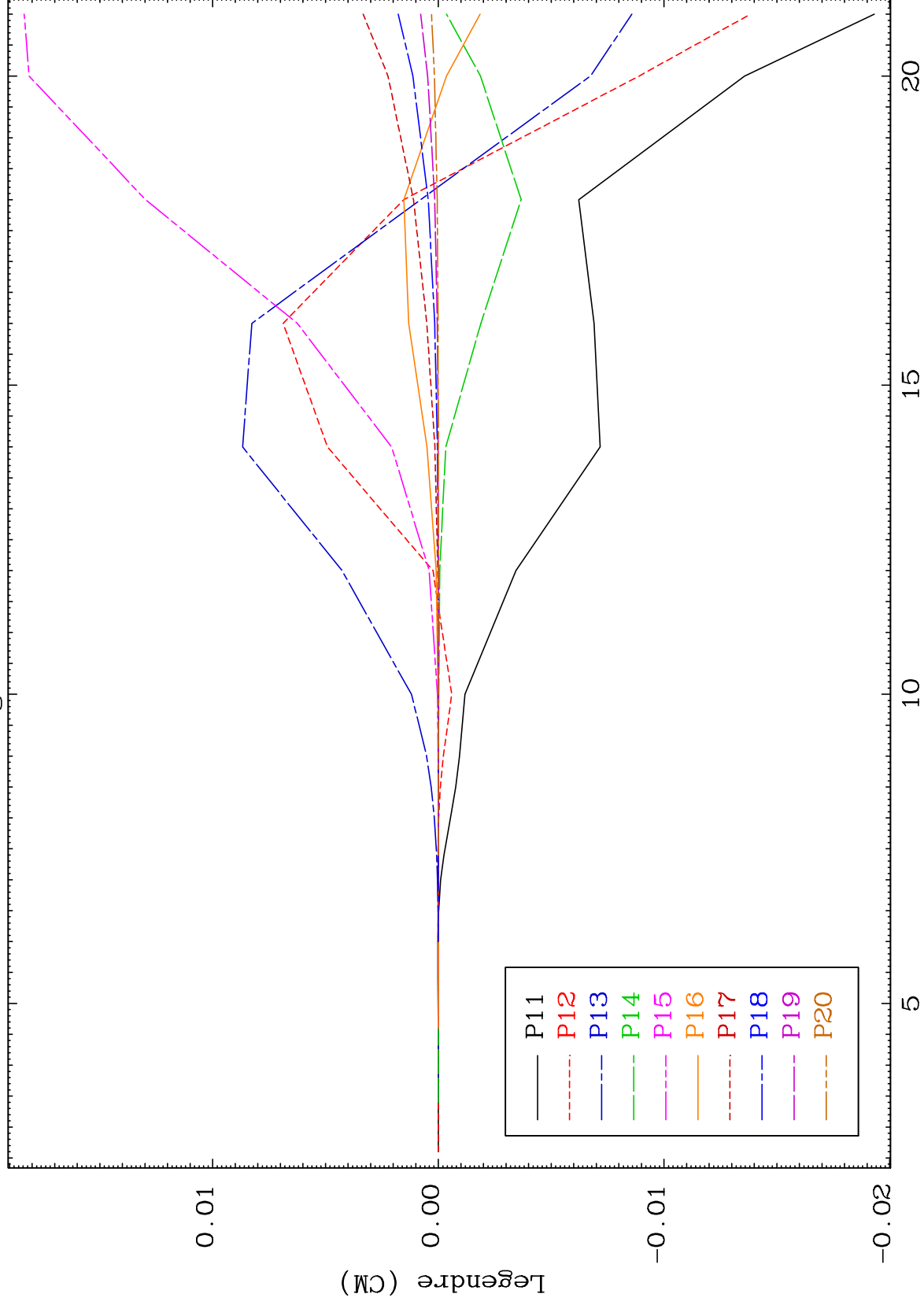
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



33

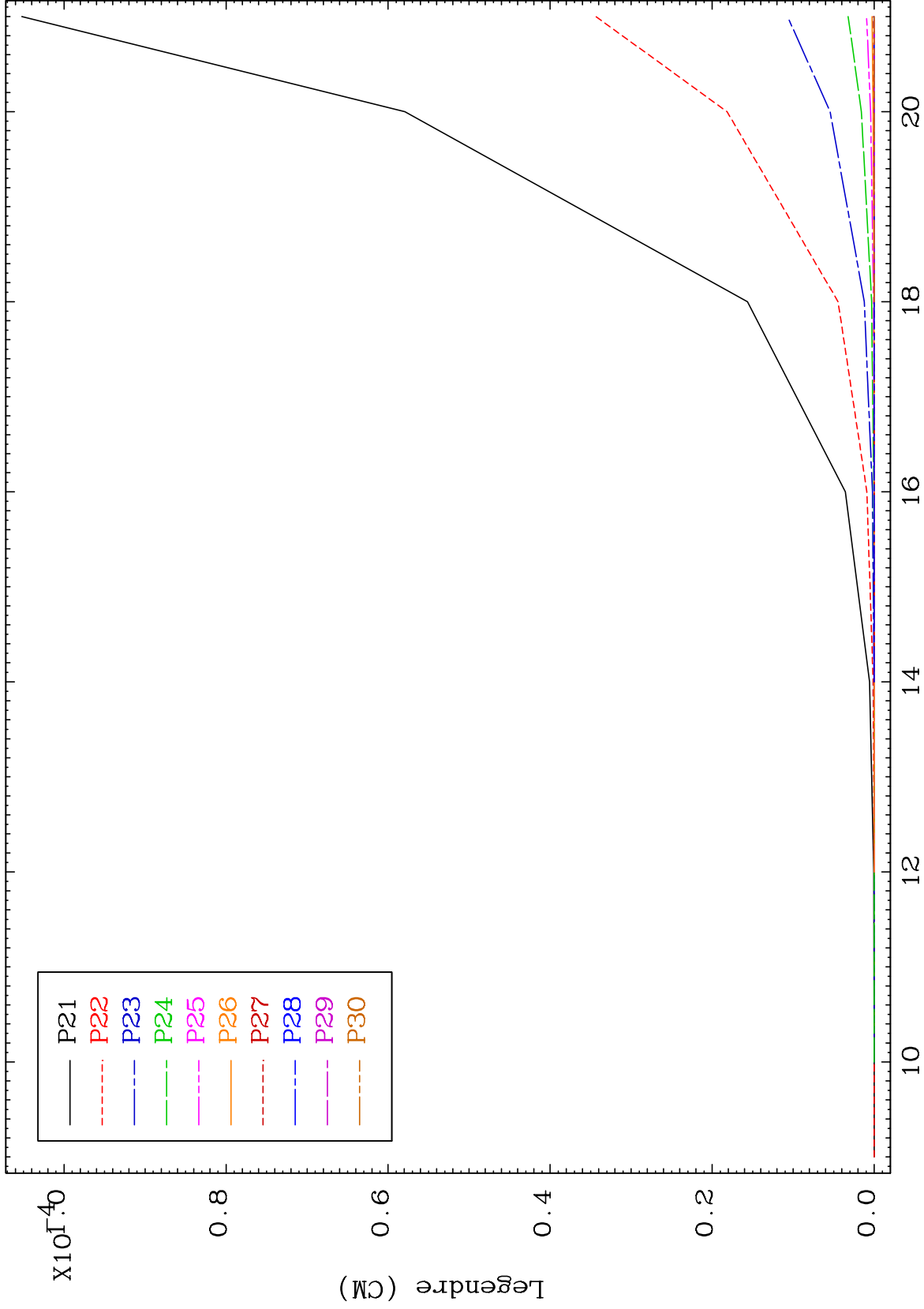
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



34

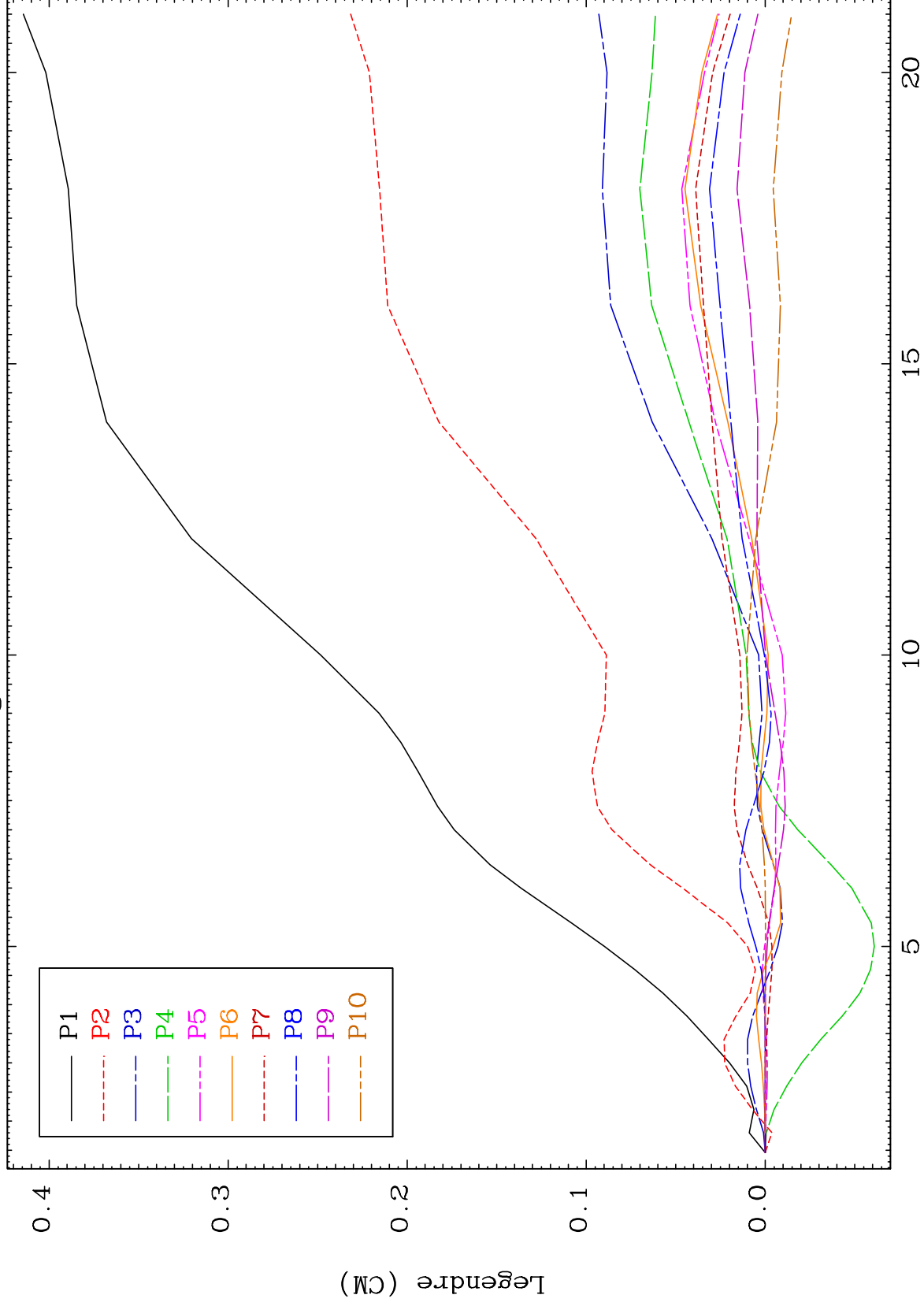
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



35

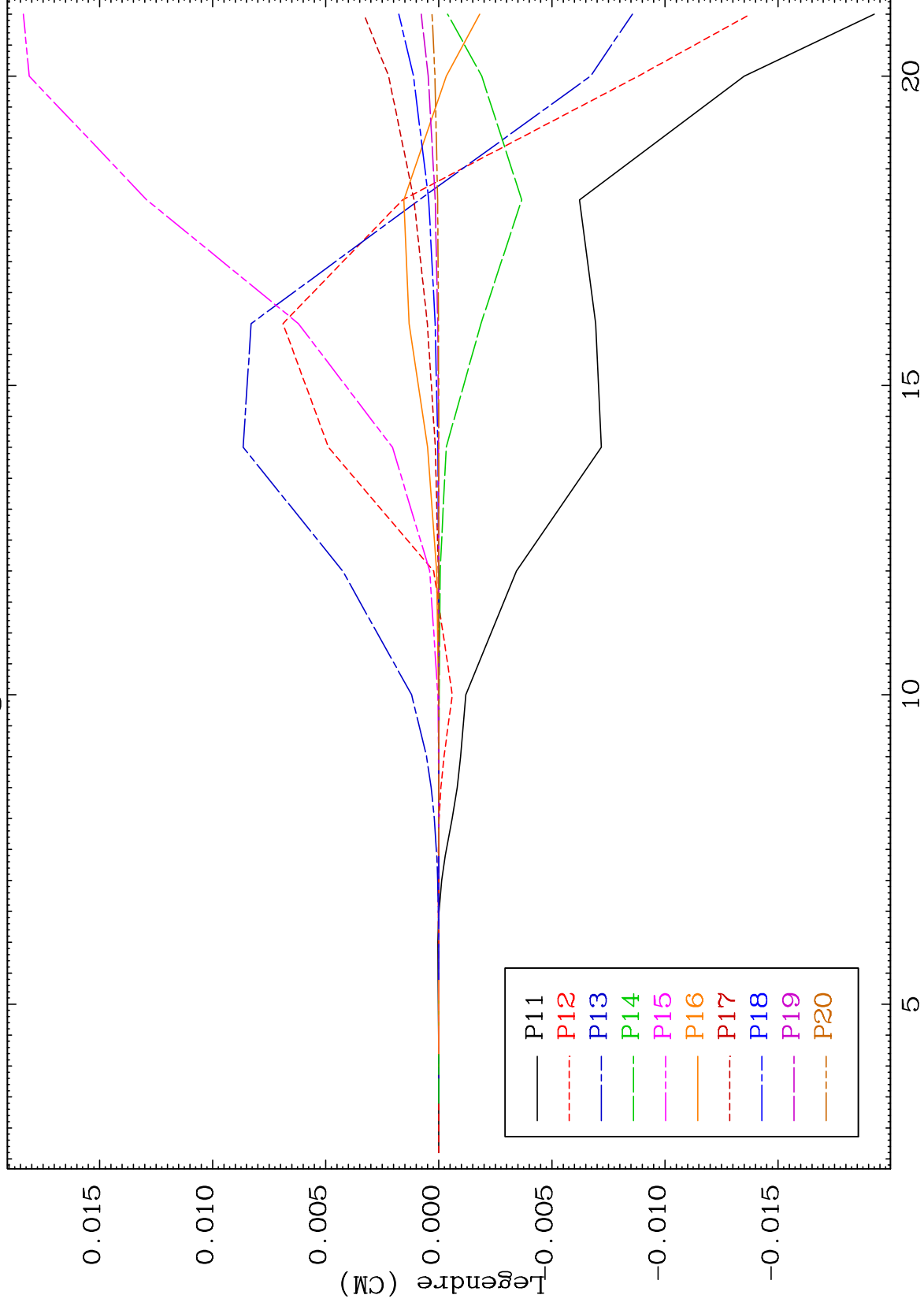
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



36

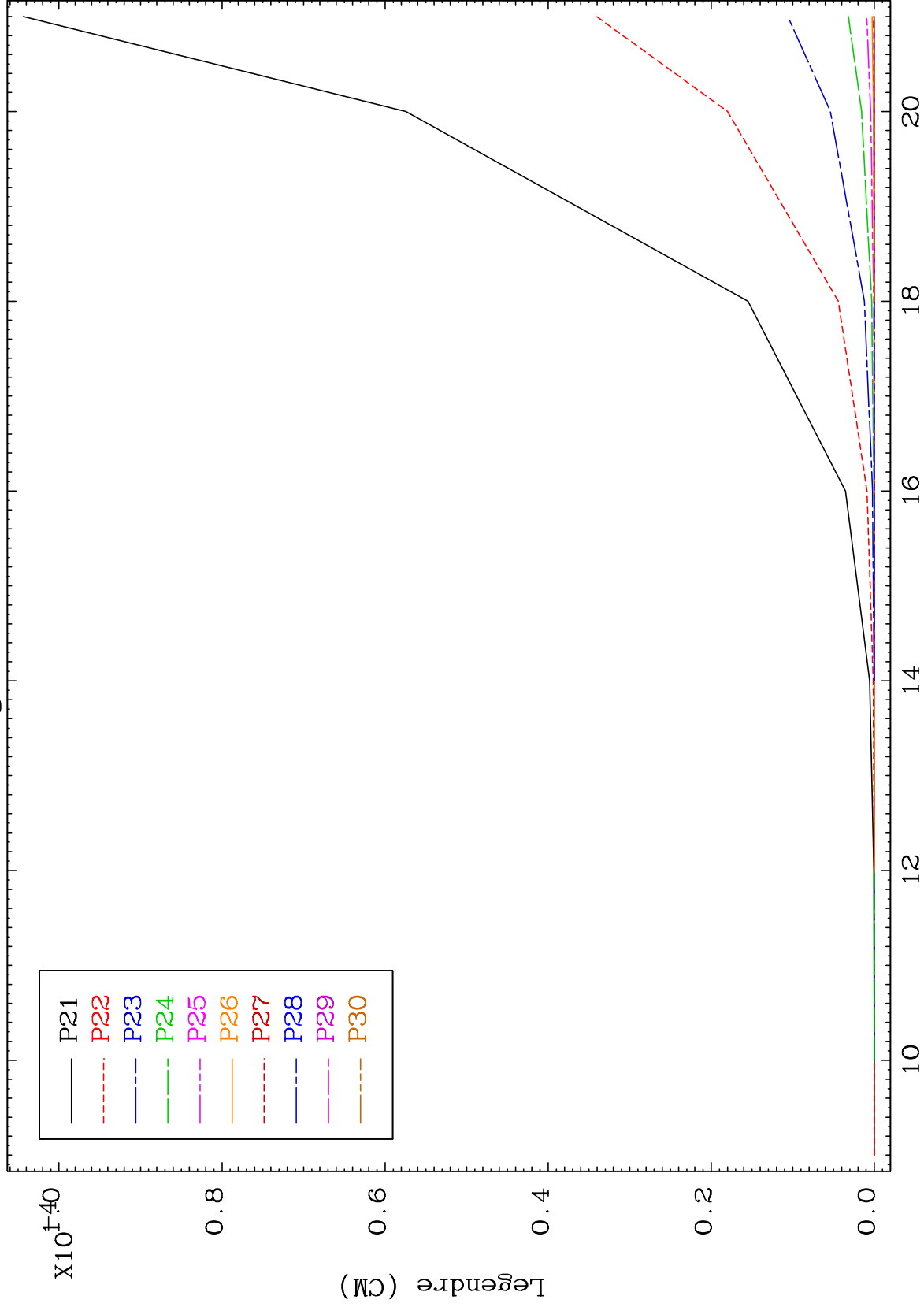
Incident Energy (MeV)

57-La-139

MAT 5728

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

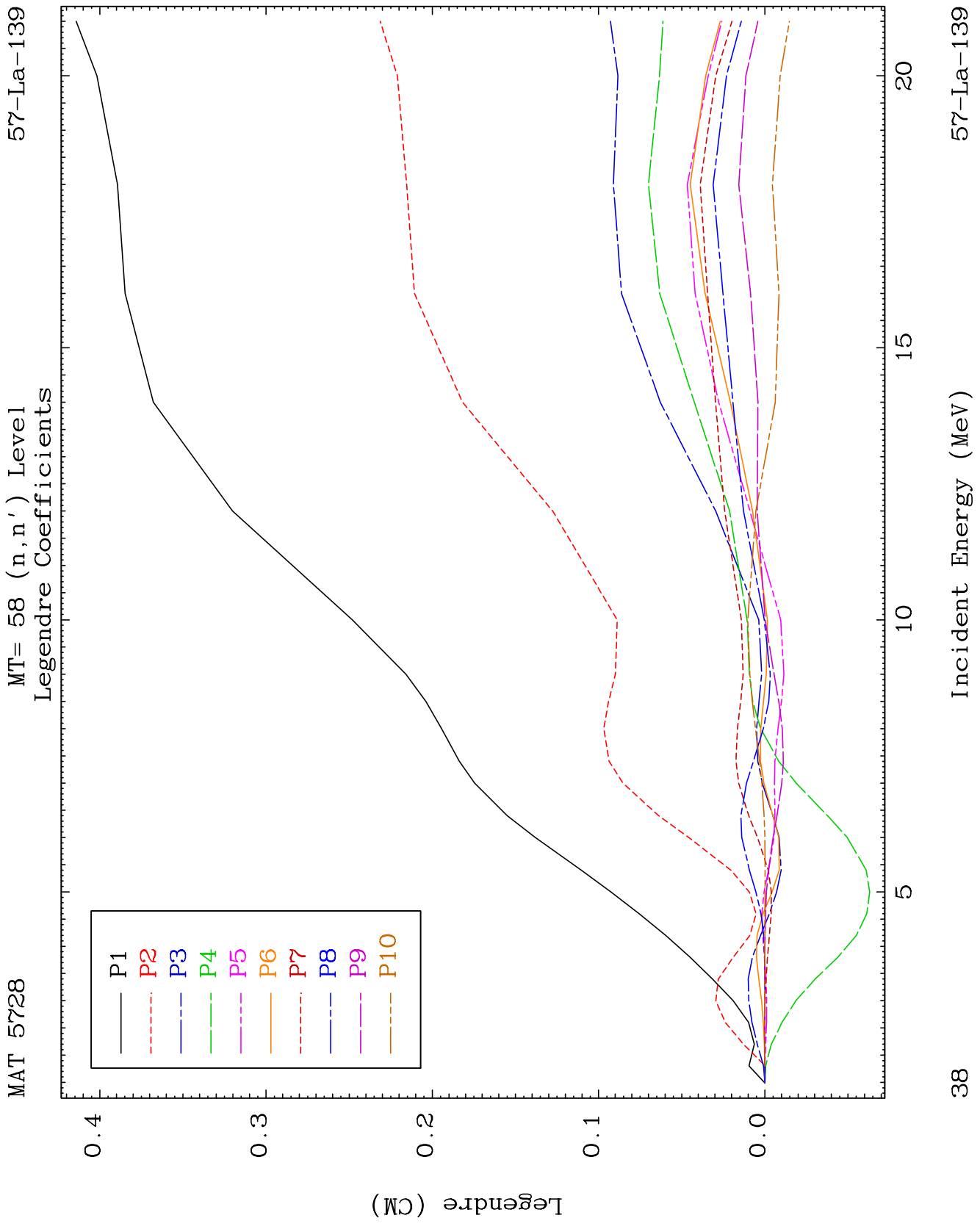
57-La-139



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Incident Energy (MeV)

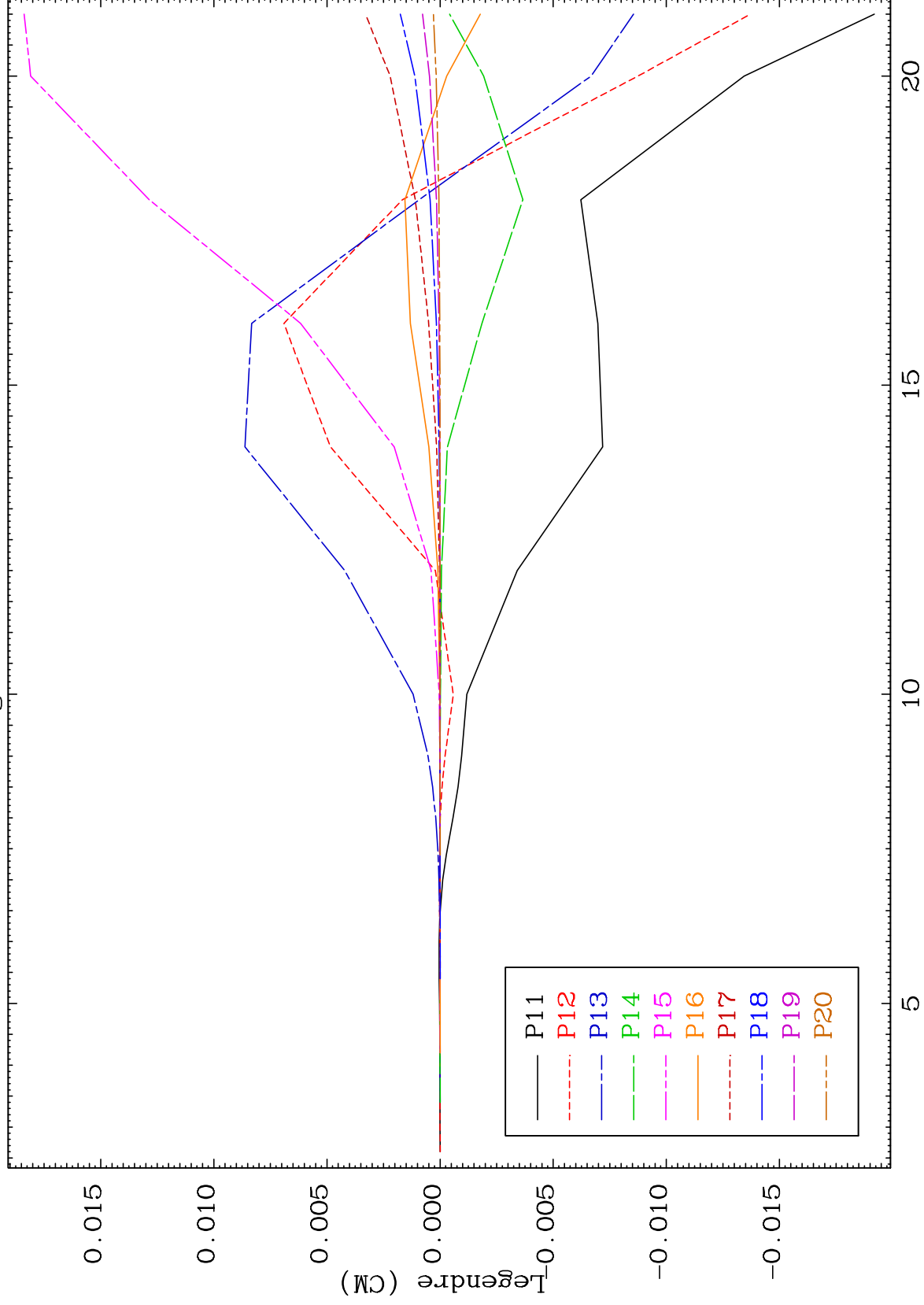
57-La-139



MAT 5728

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

57-La-139



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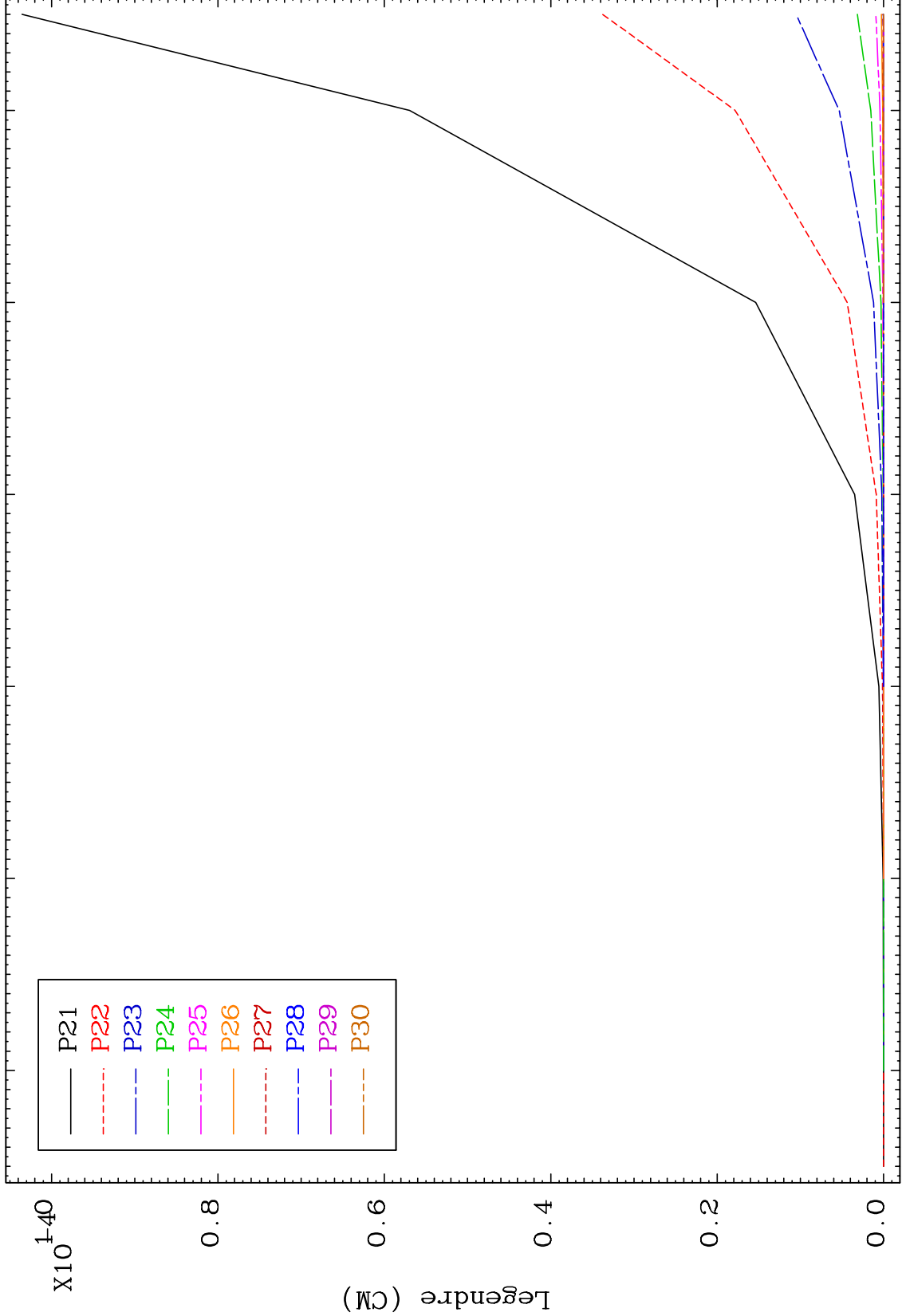
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



57-La-139

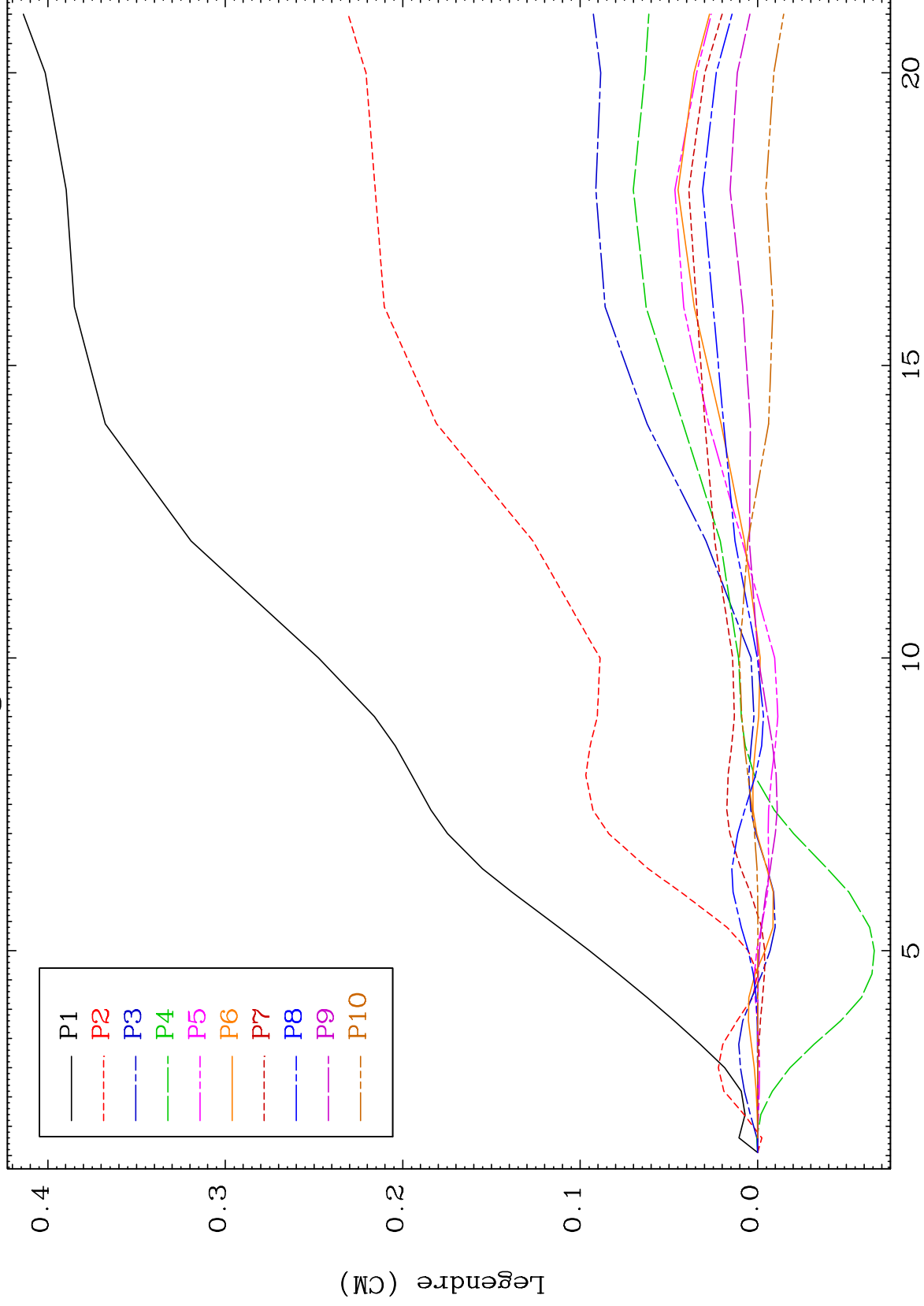
Incident Energy (MeV)

40

MAT 5728

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

57-La-139



41

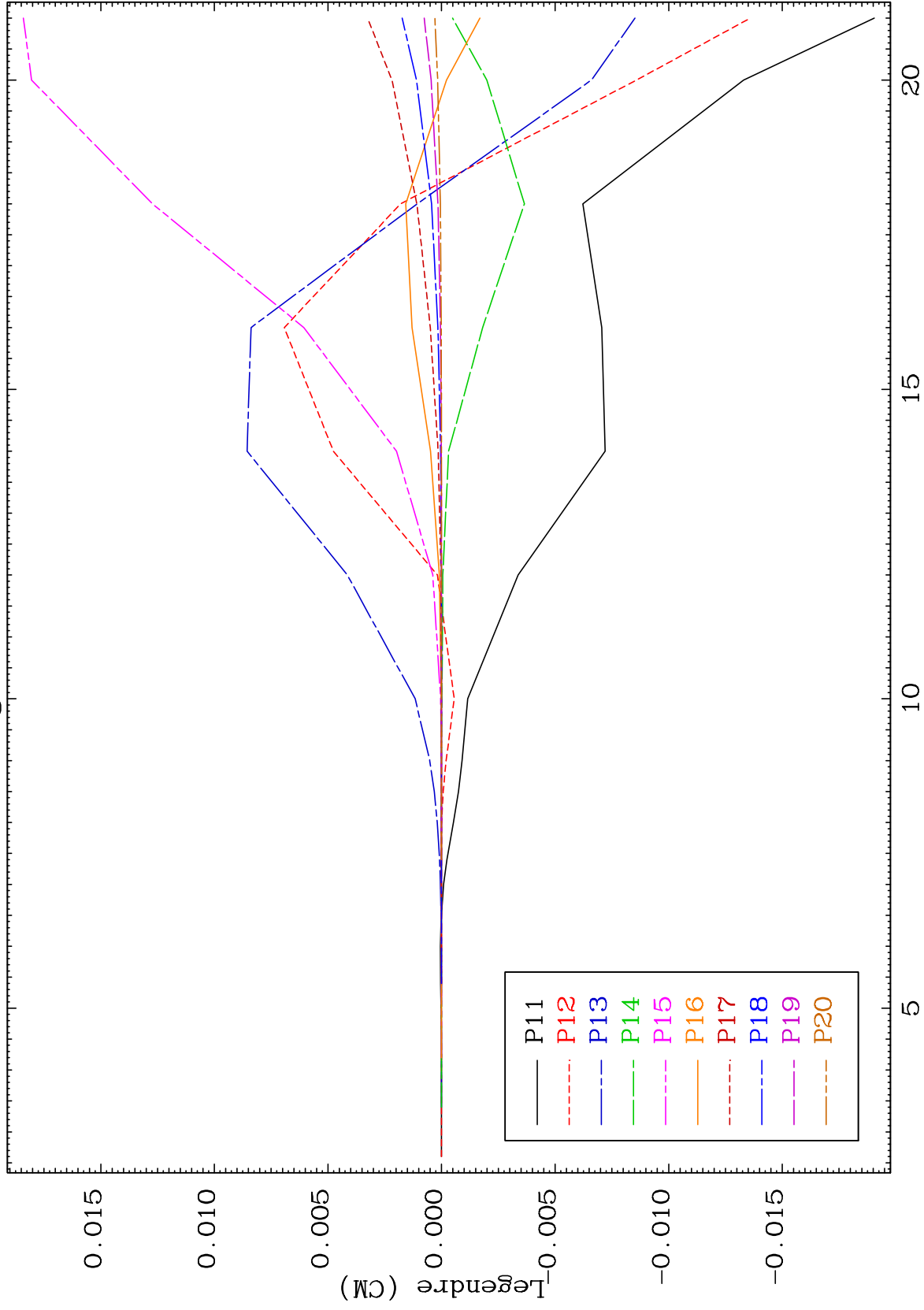
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



42

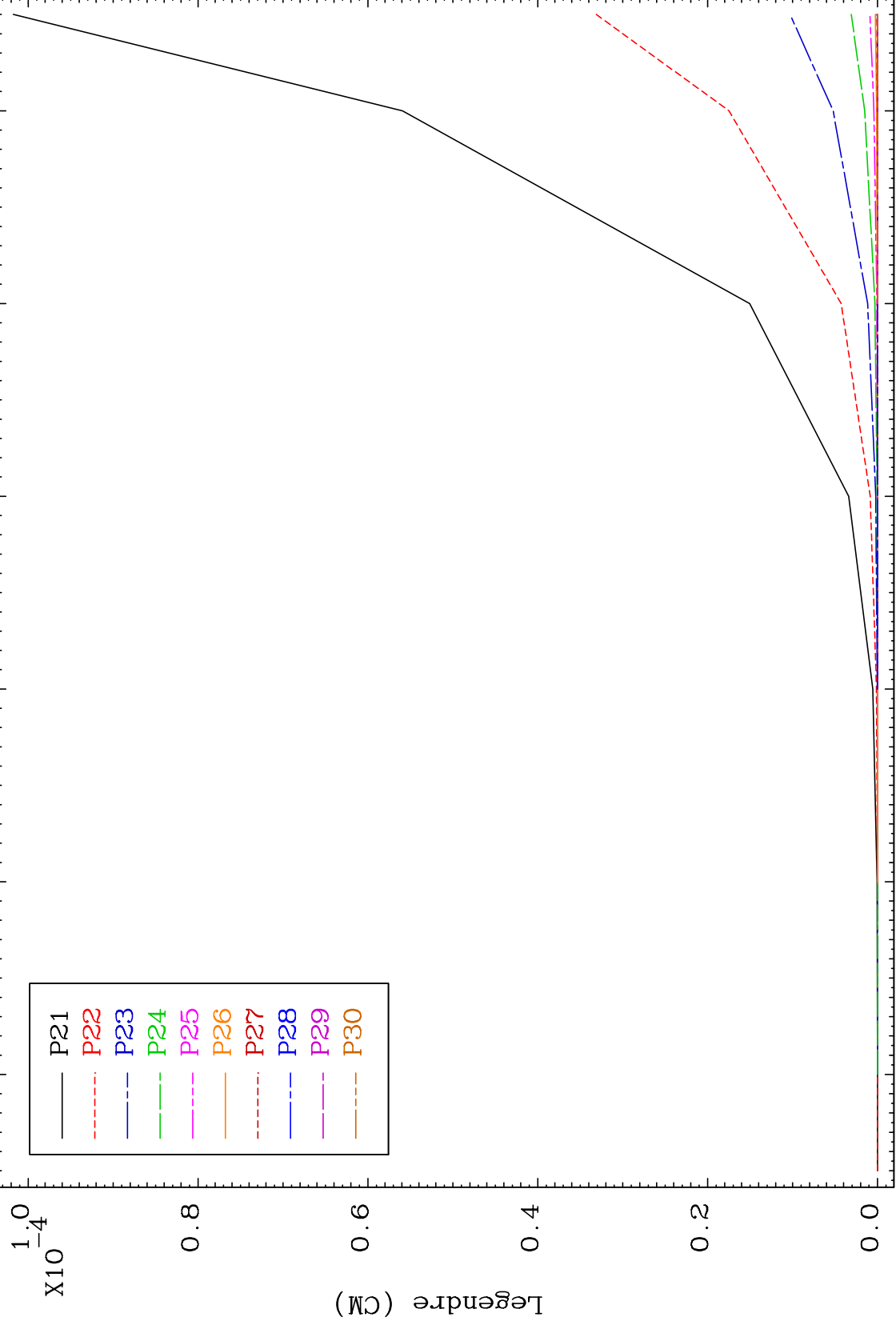
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



43

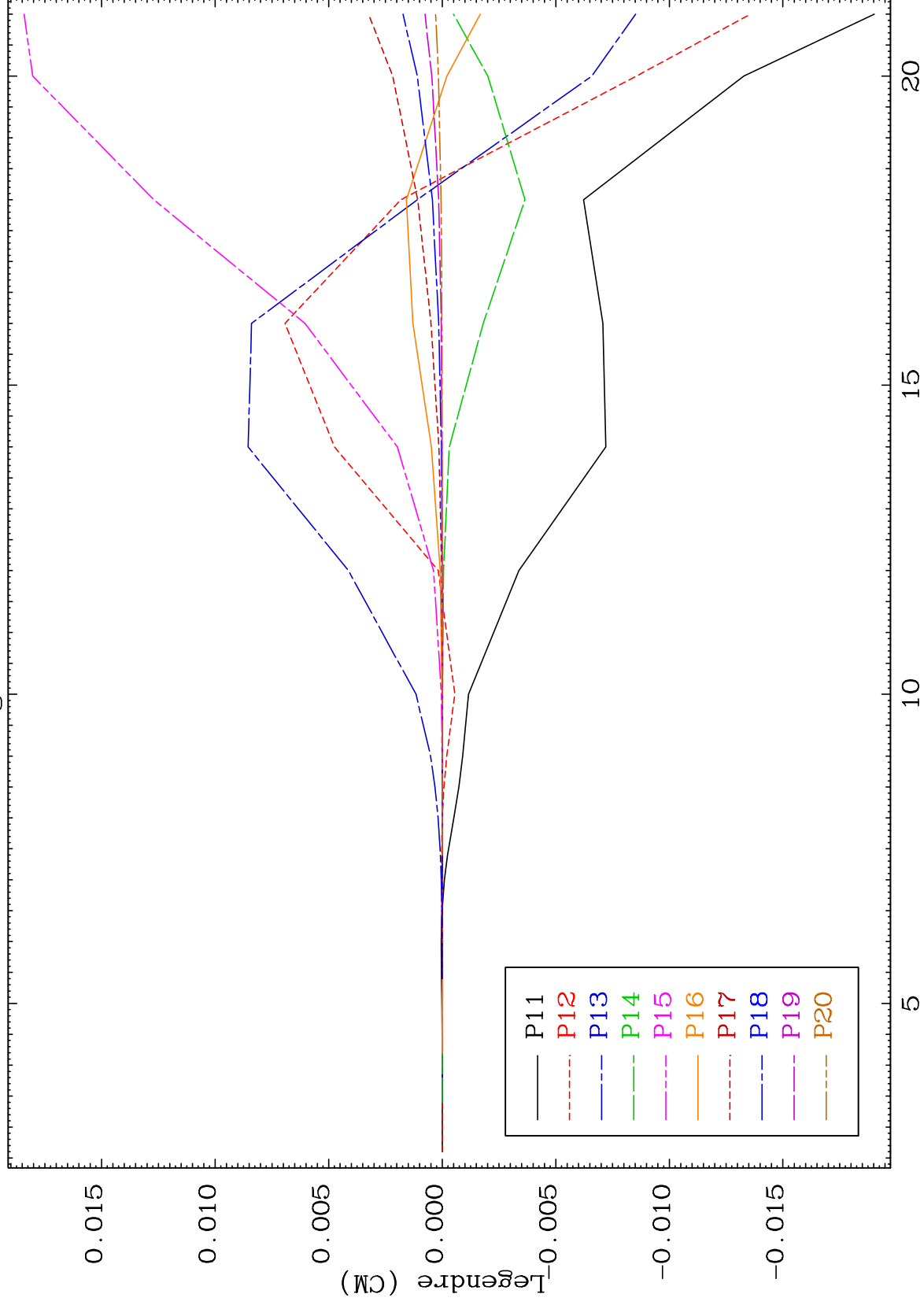
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



45

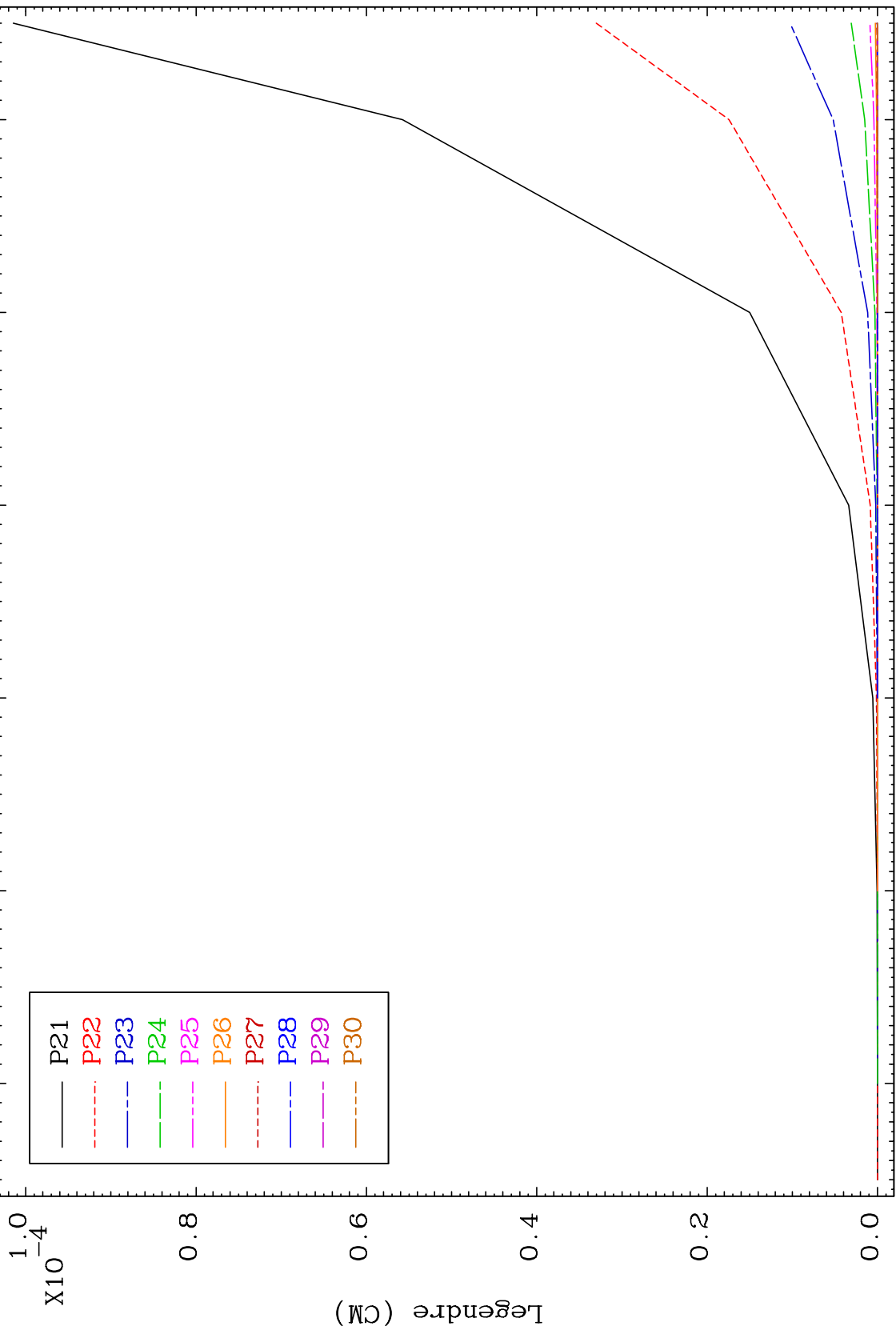
Incident Energy (MeV)

57-La-139

MAT 5728

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

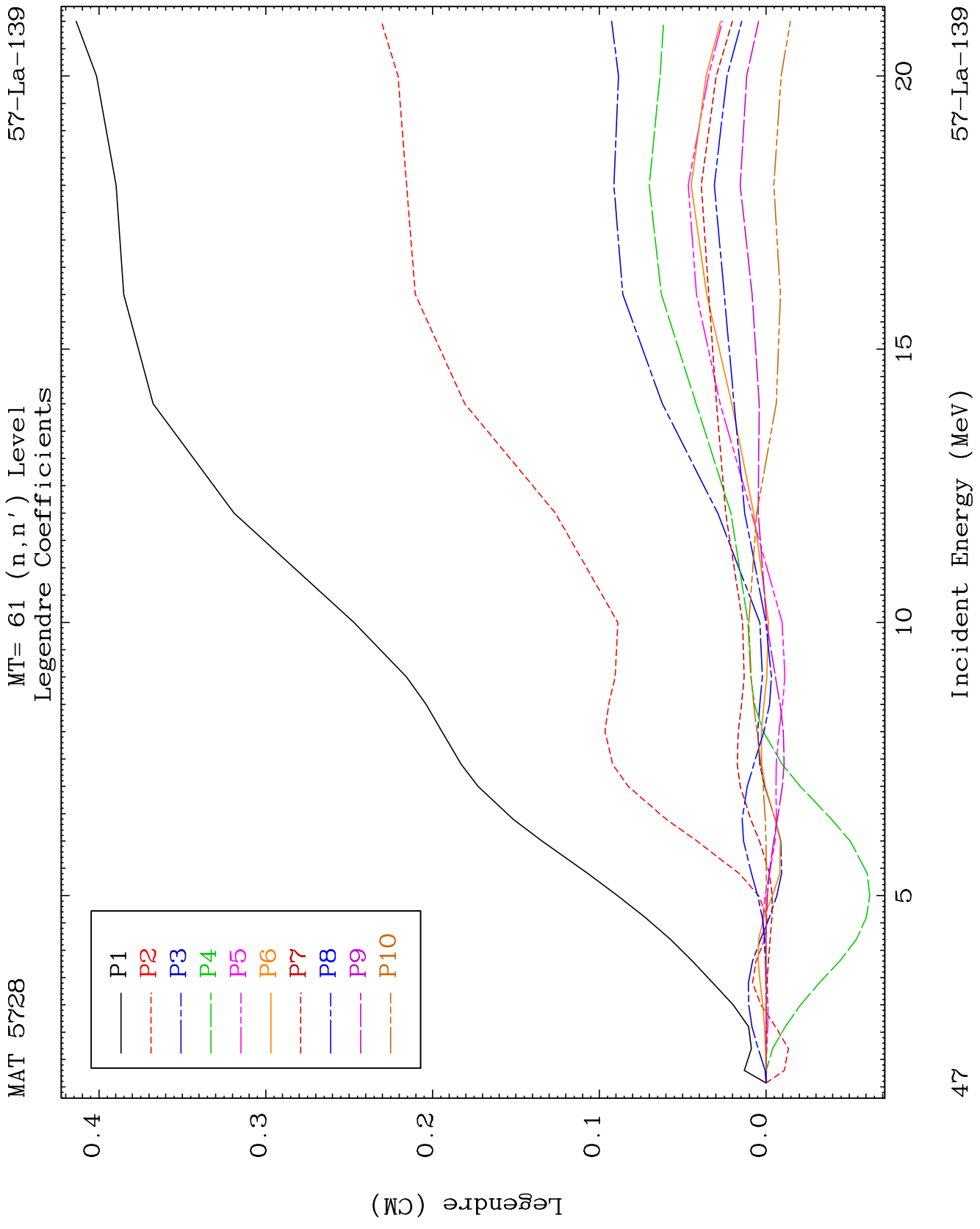
57-La-139



46

Incident Energy (MeV)

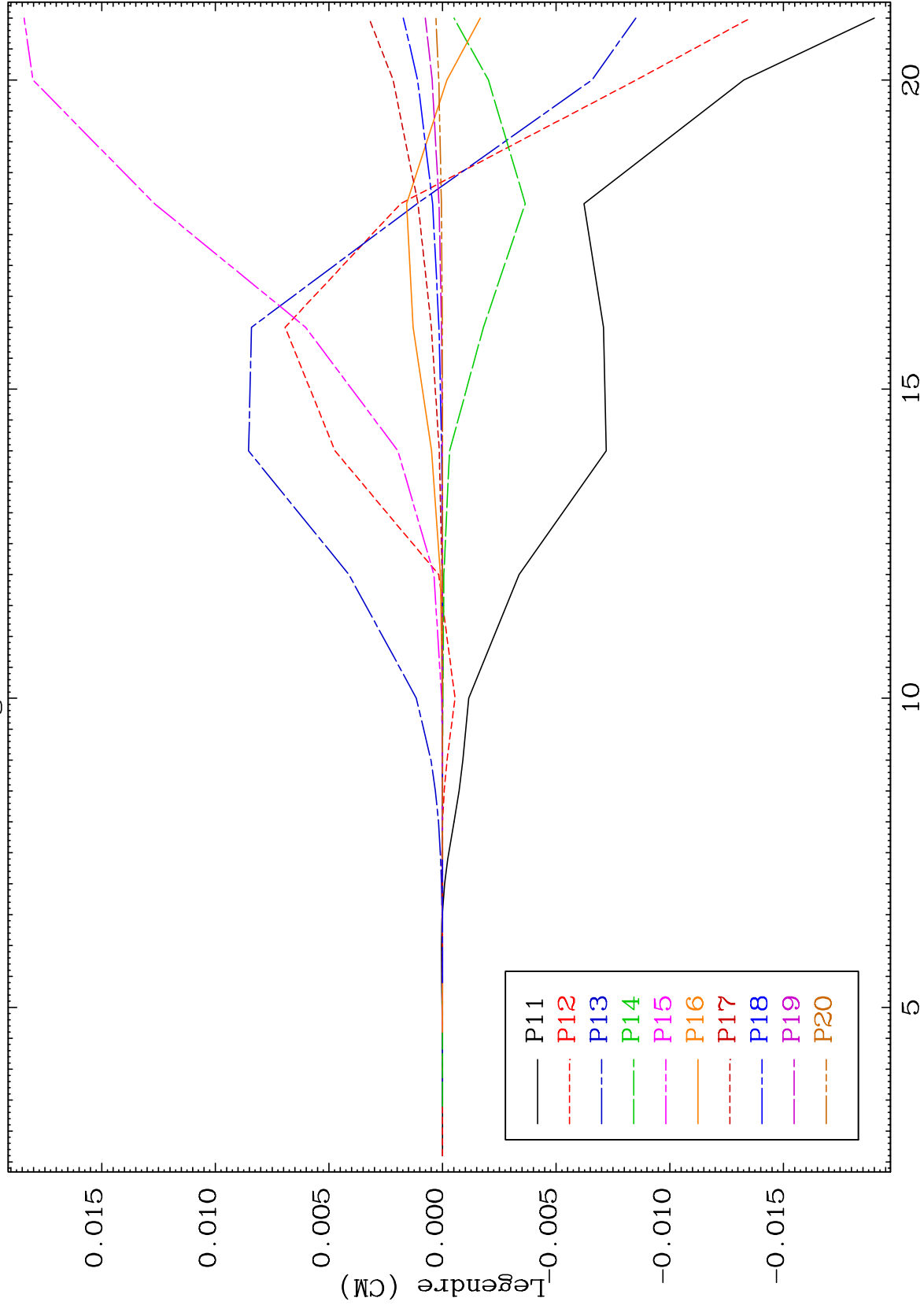
57-La-139



MAT 5728

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

57-La-139



48

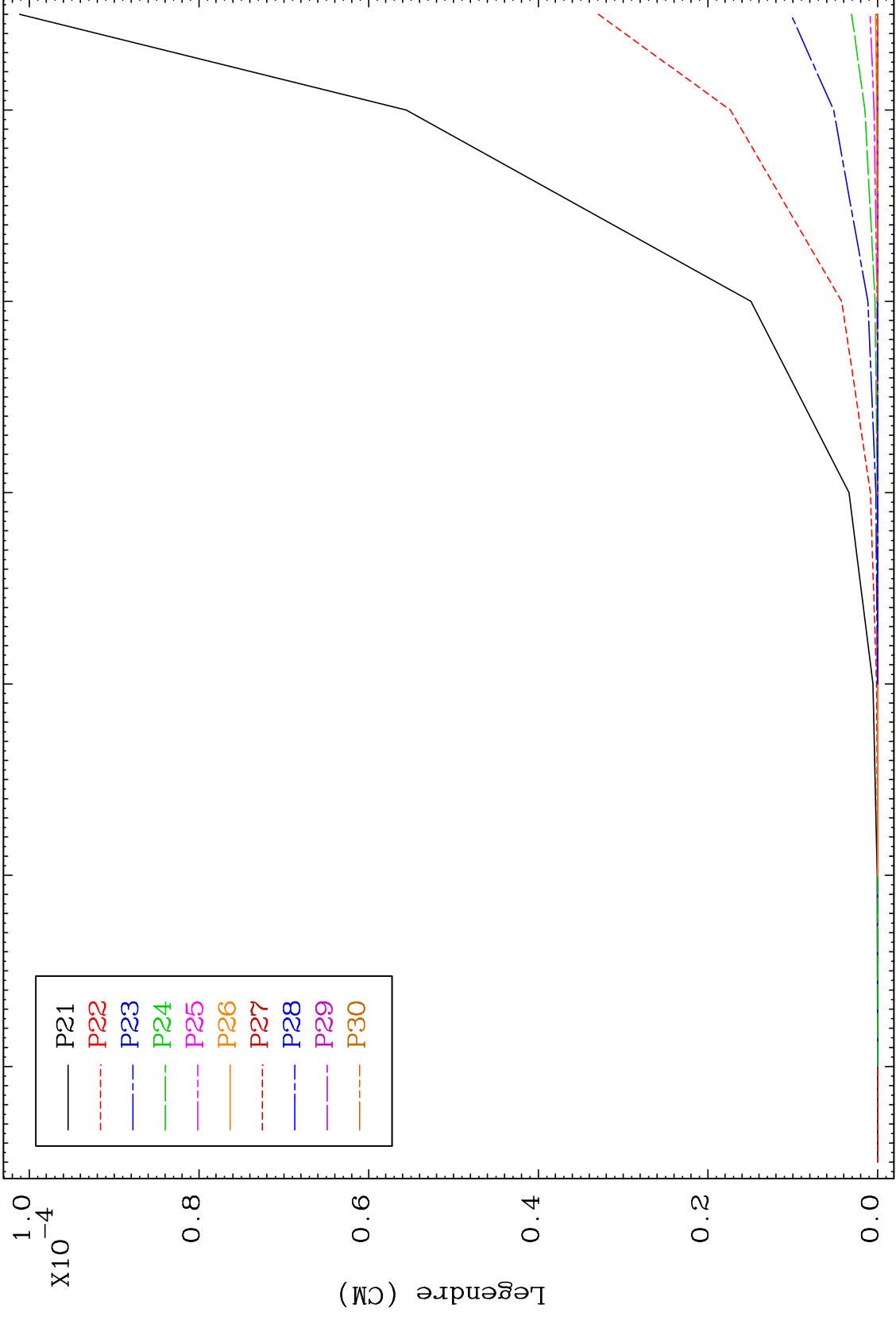
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



49

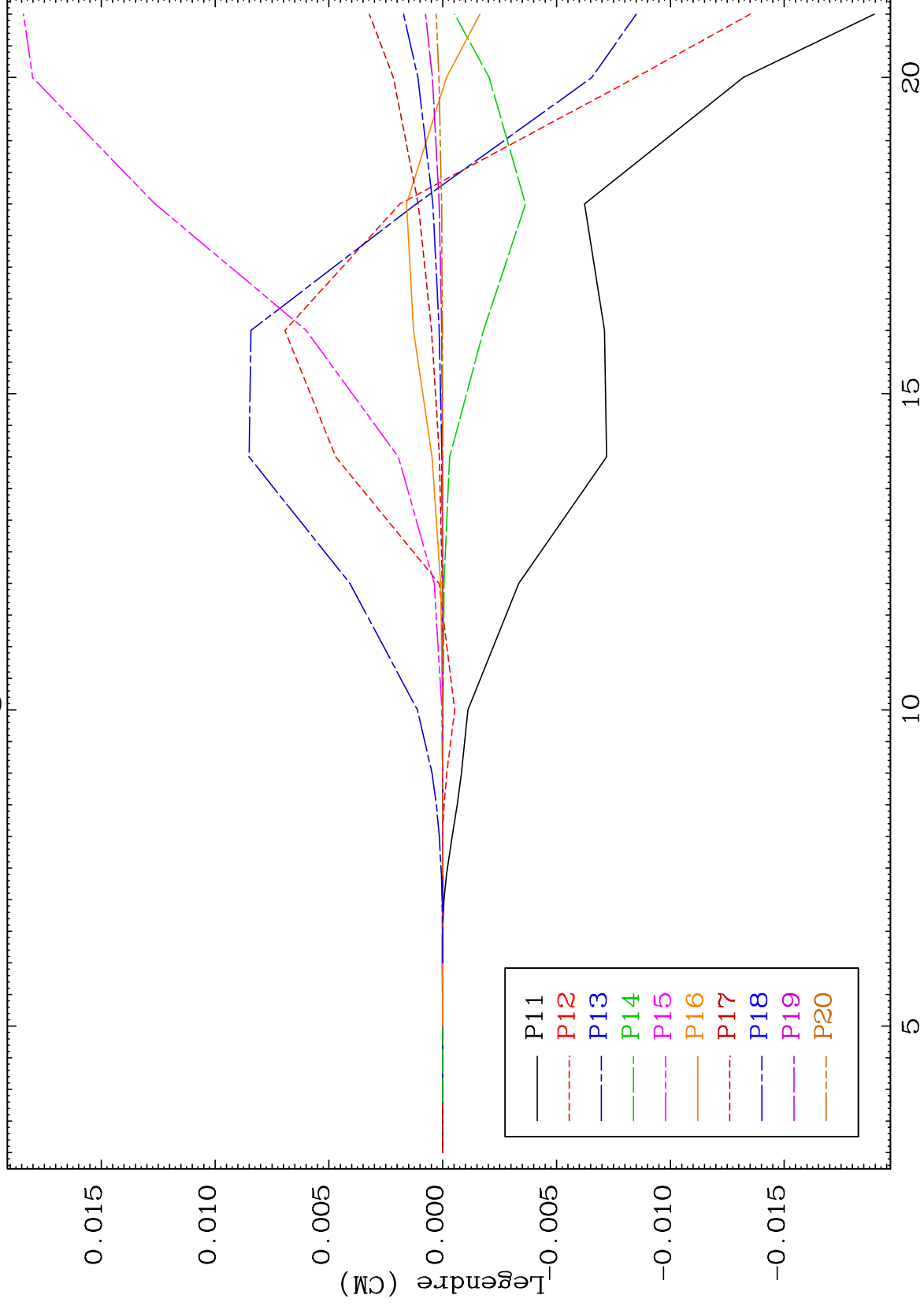
Incident Energy (MeV)

57-La-139

MAT 5728

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

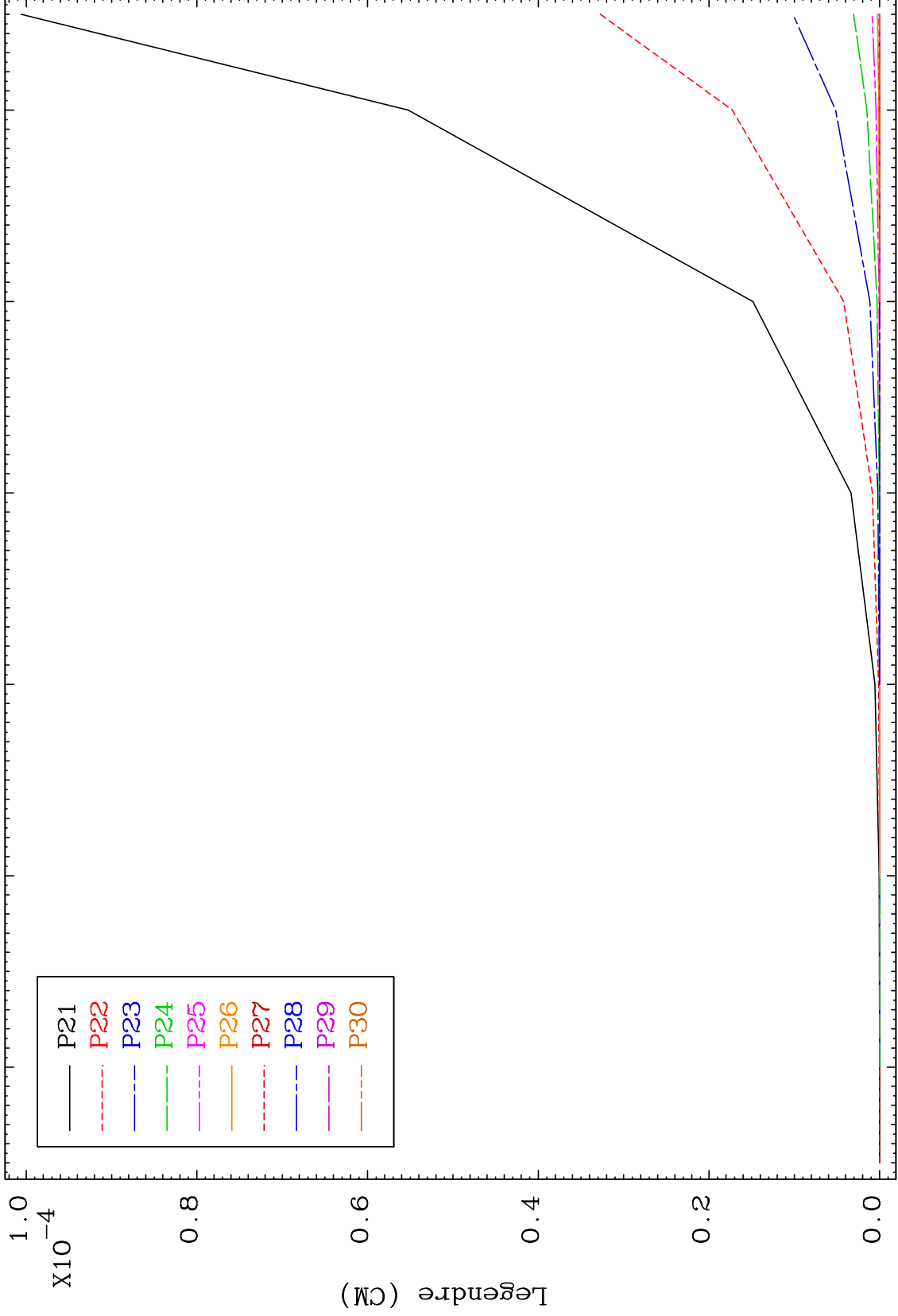
57-La-139



MAT 5728

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

57-La-139



52

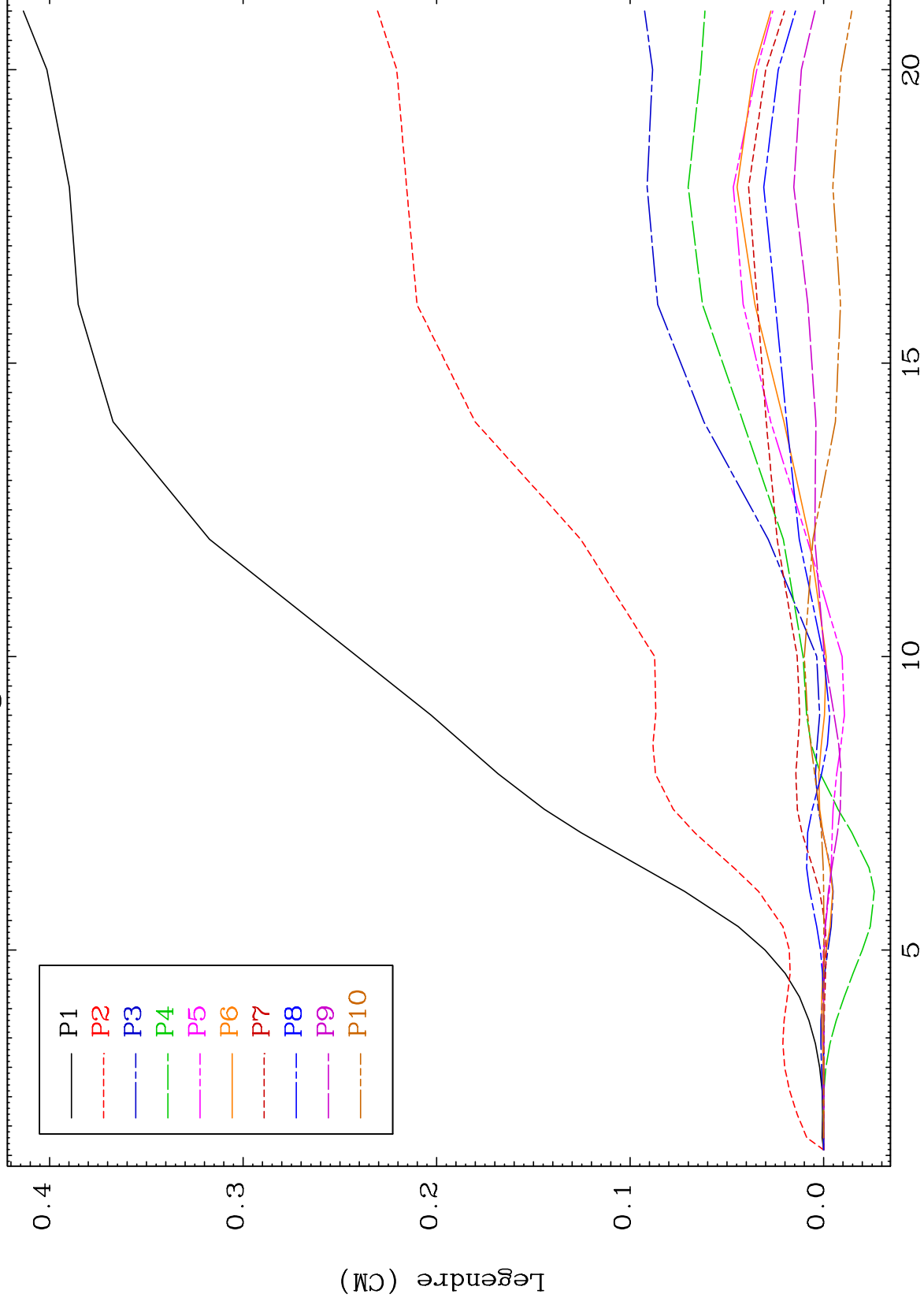
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



53

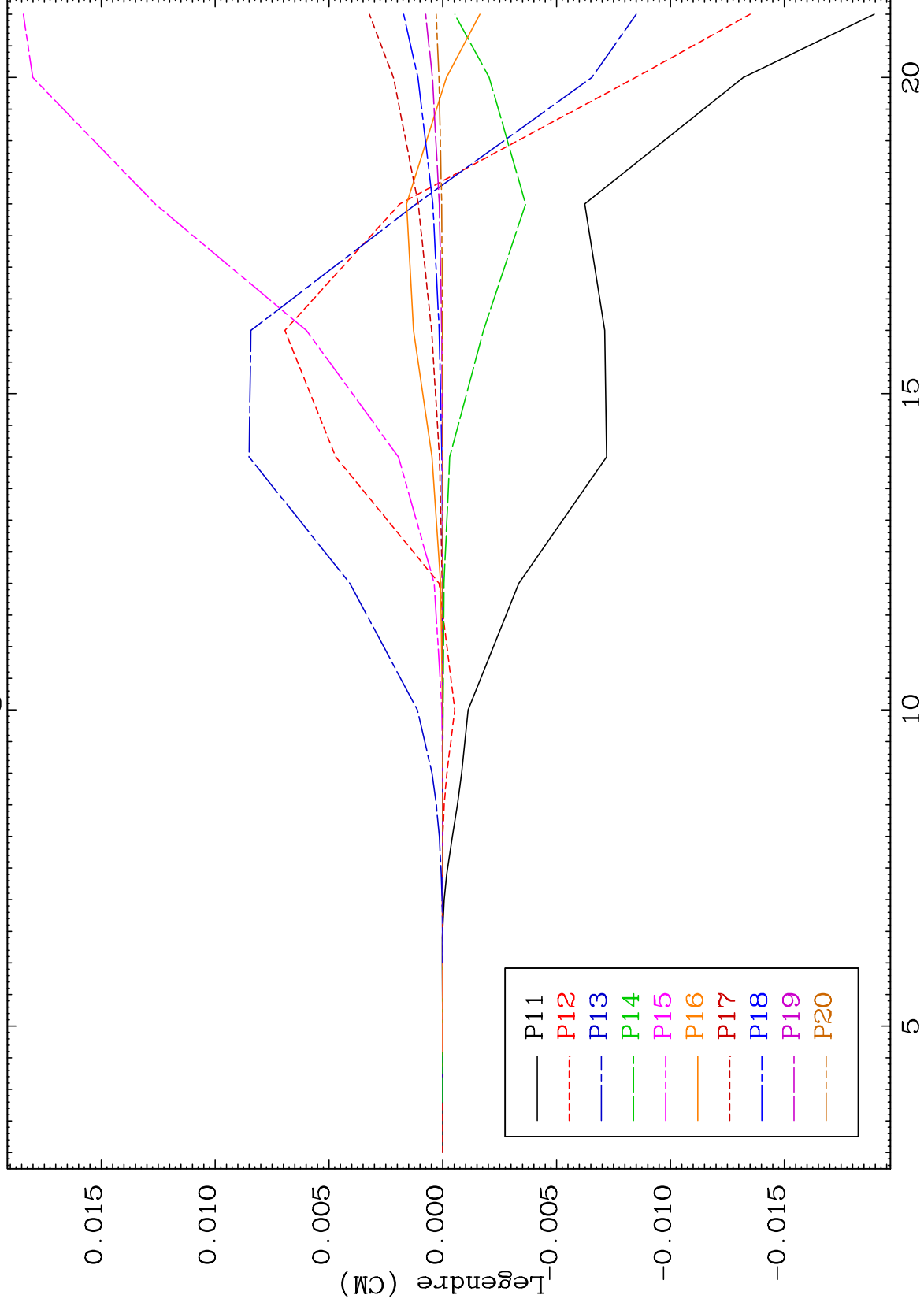
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



54

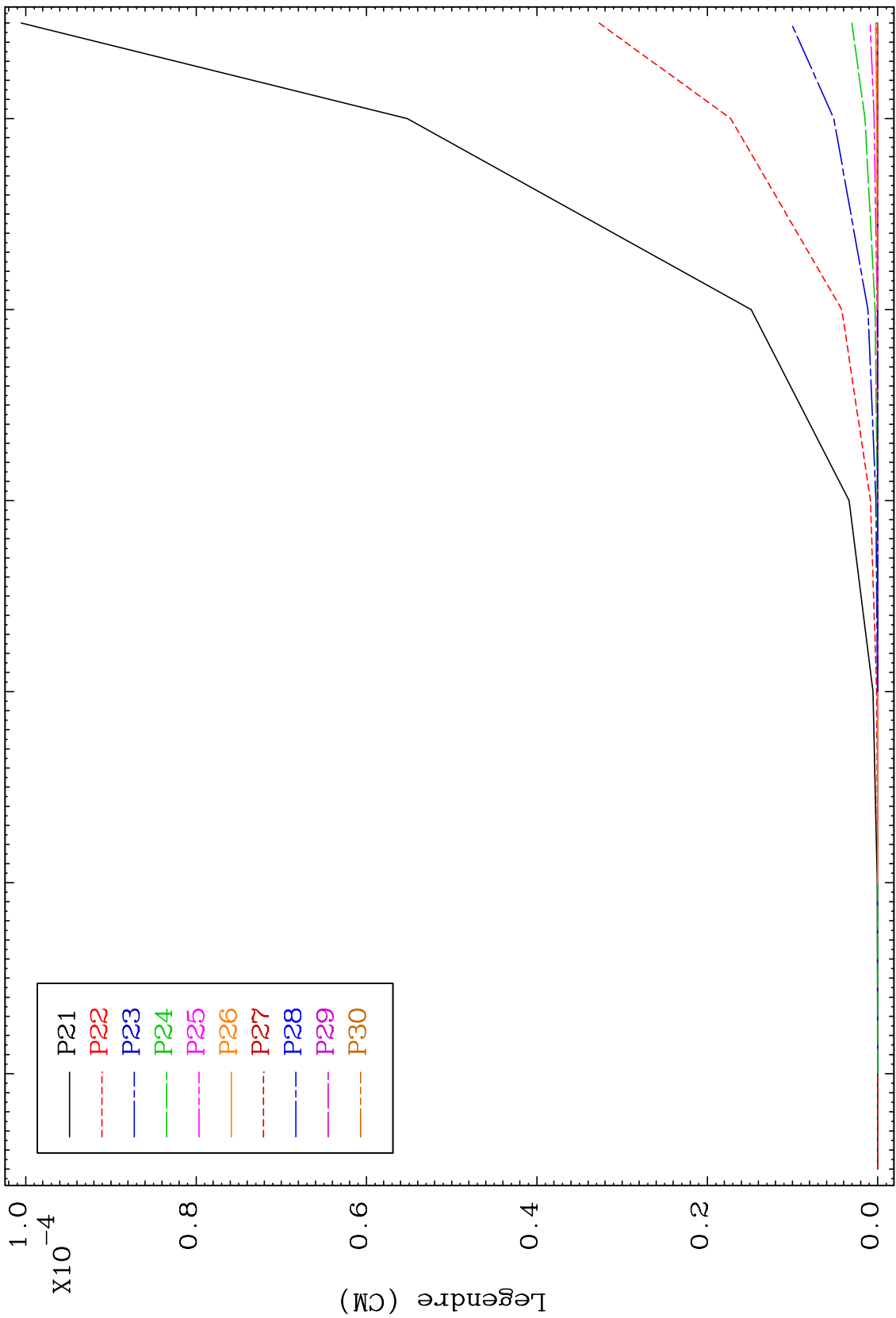
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



55

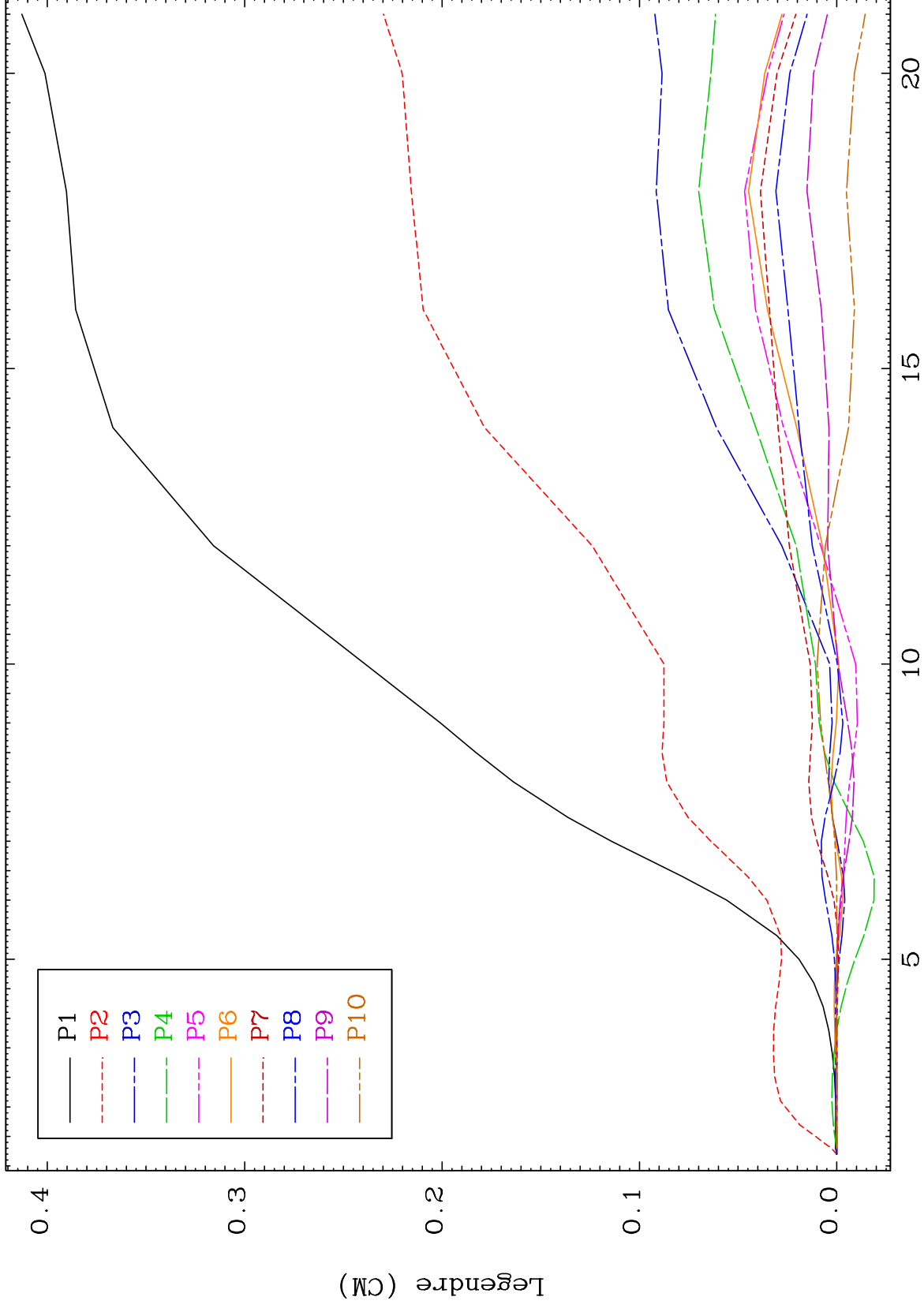
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



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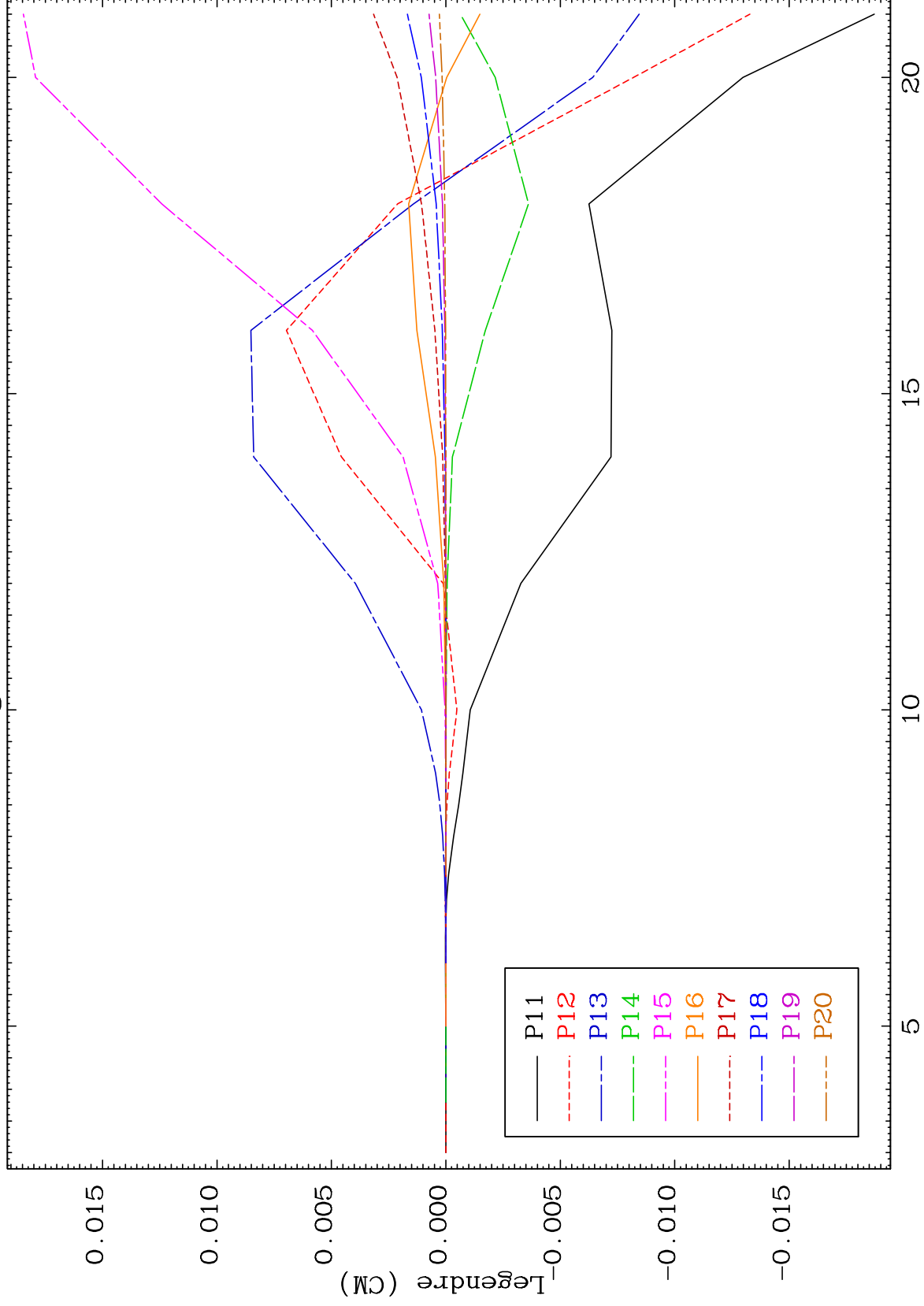
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



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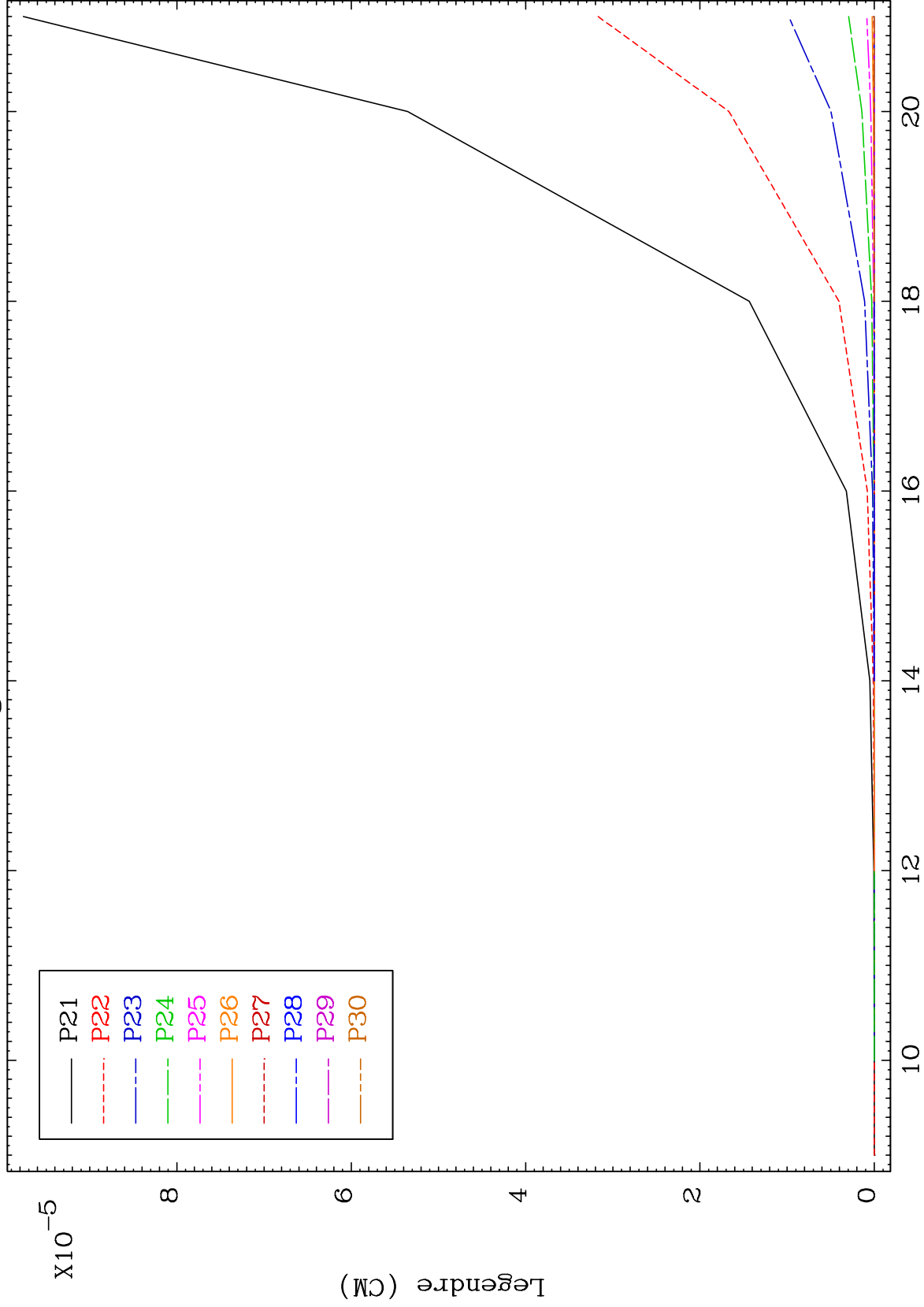
Incident Energy (MeV)

57-La-139

MAT 5728

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

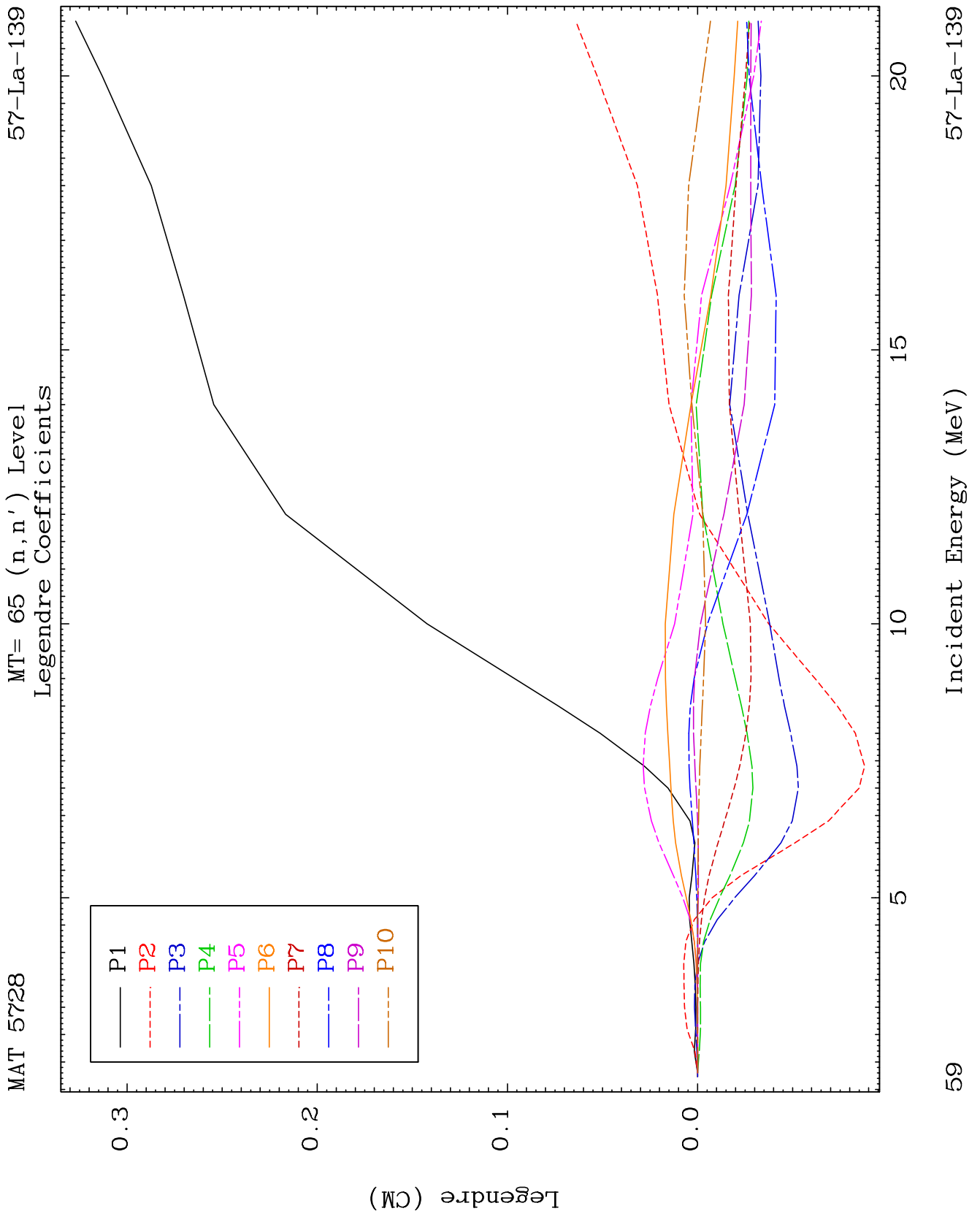
57-La-139



58

Incident Energy (MeV)

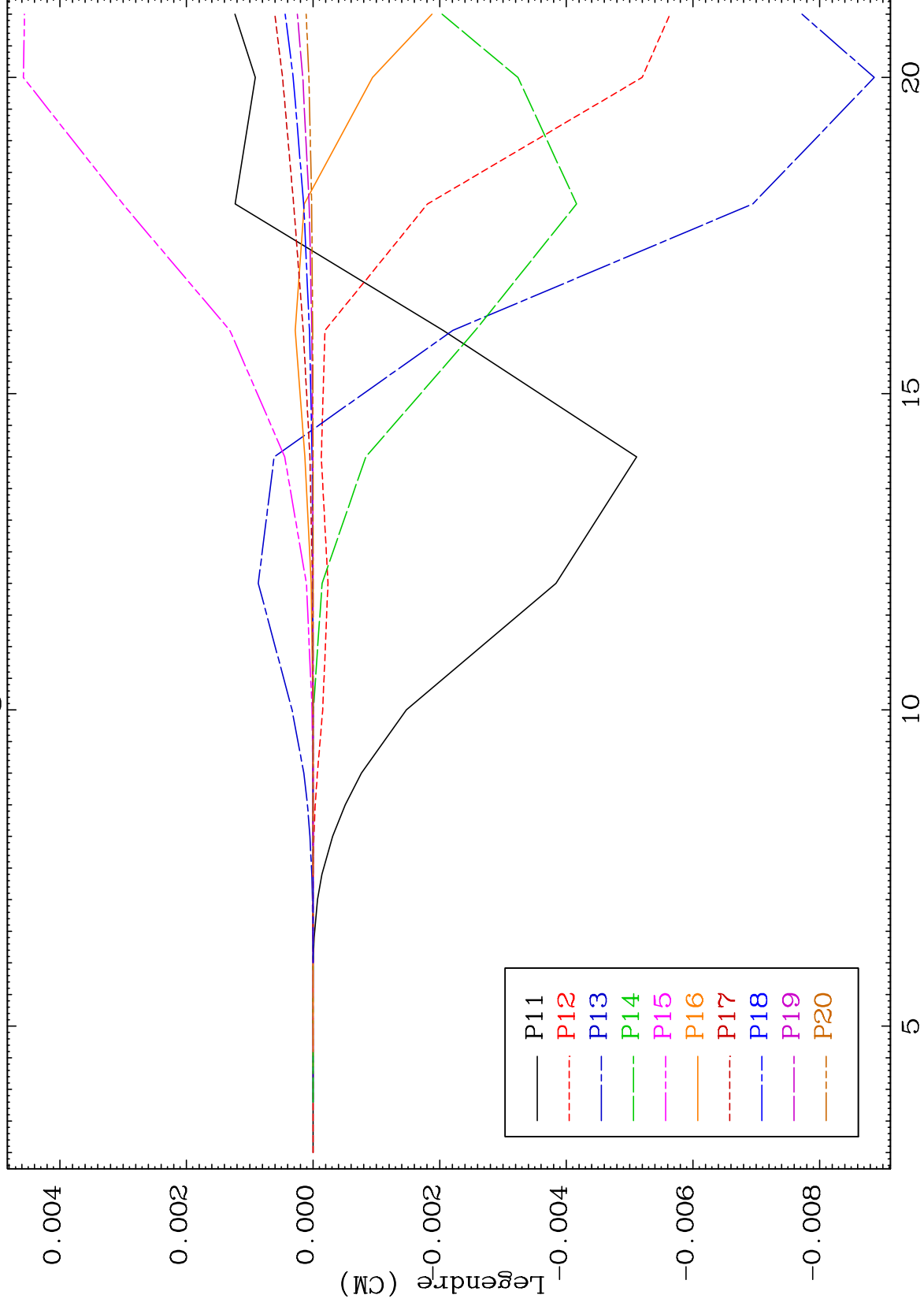
57-La-139



MAT 5728

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

57-La-139



63

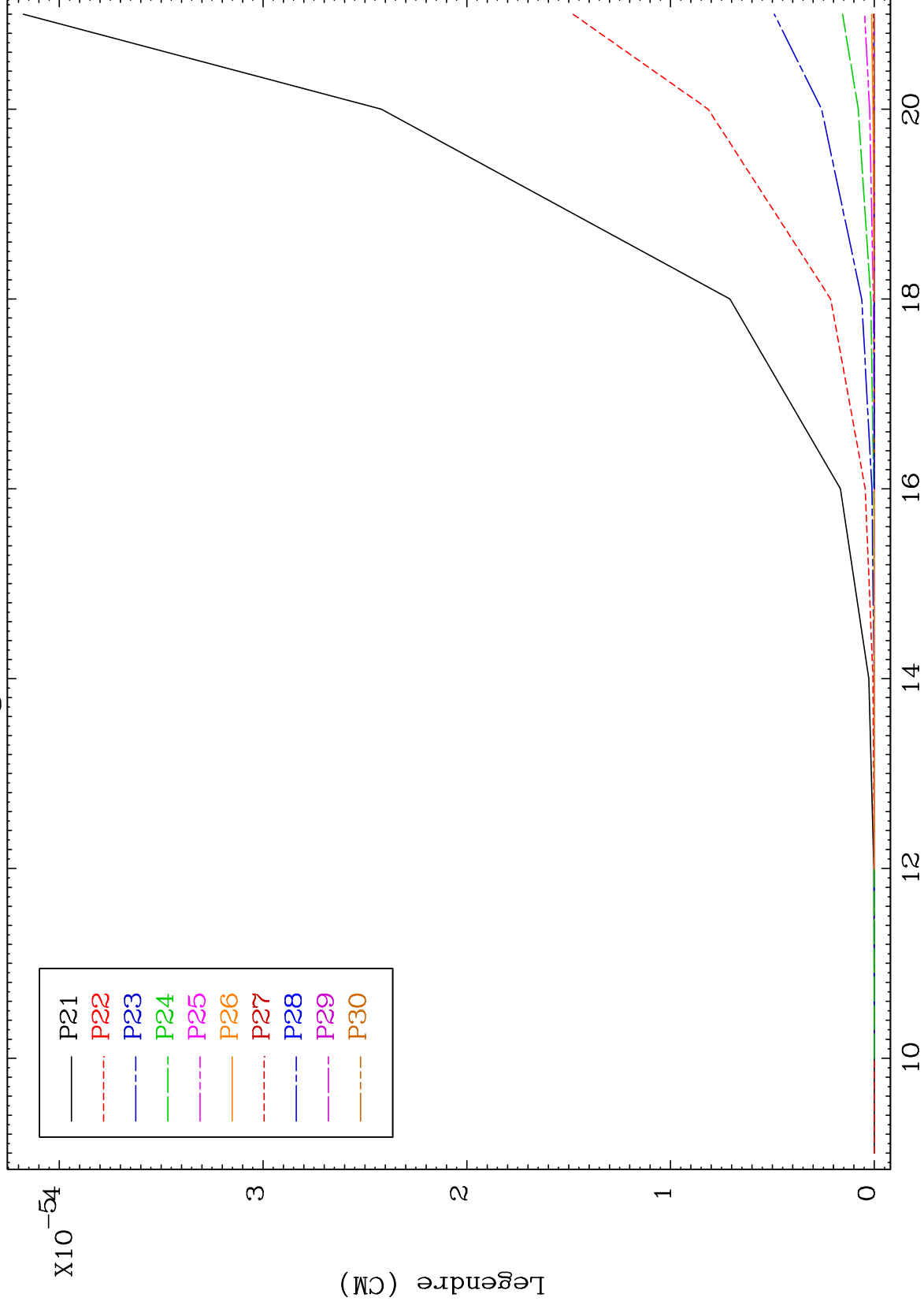
Incident Energy (MeV)

57-La-139

MAT 5728

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

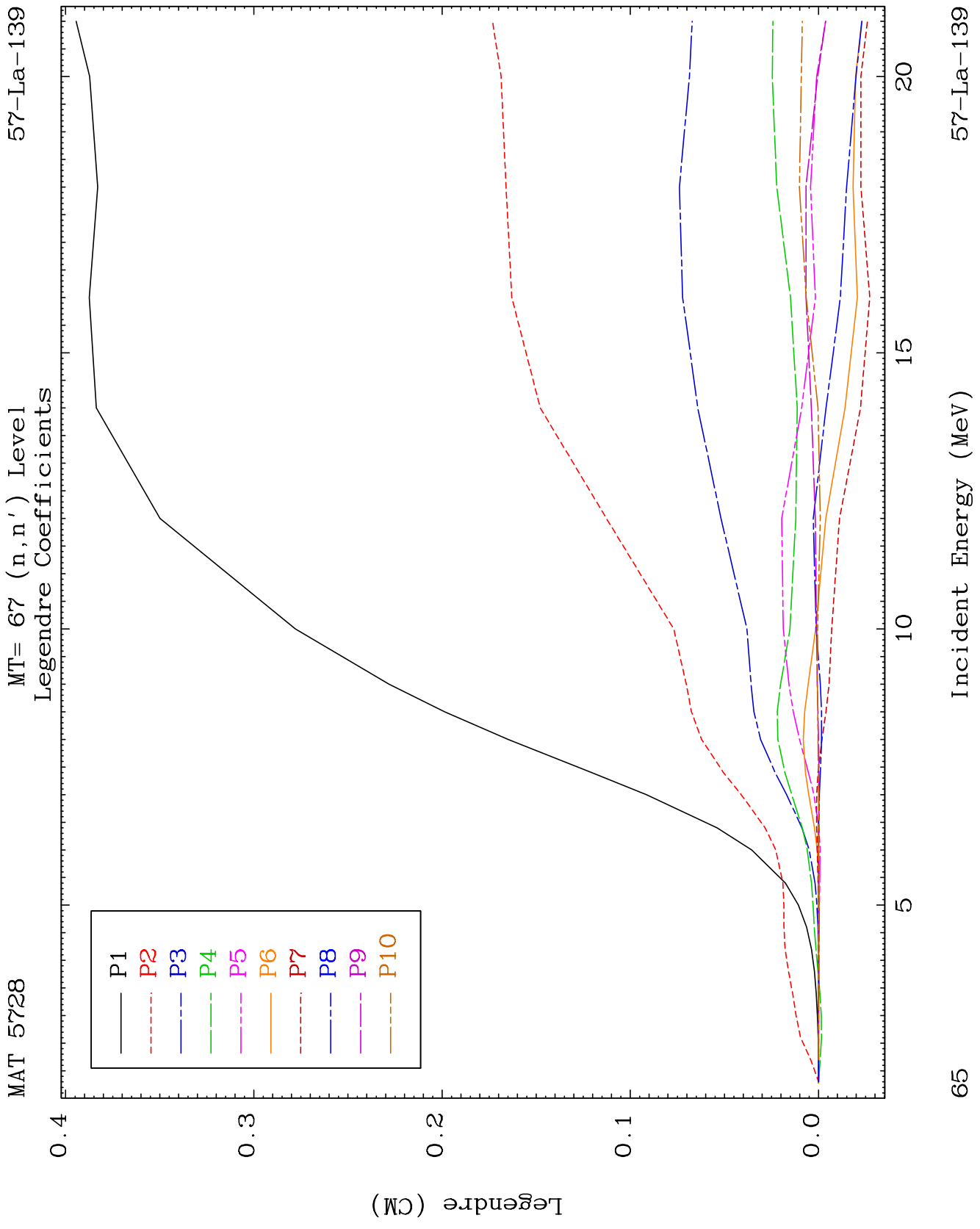
57-La-139



64

Incident Energy (MeV)

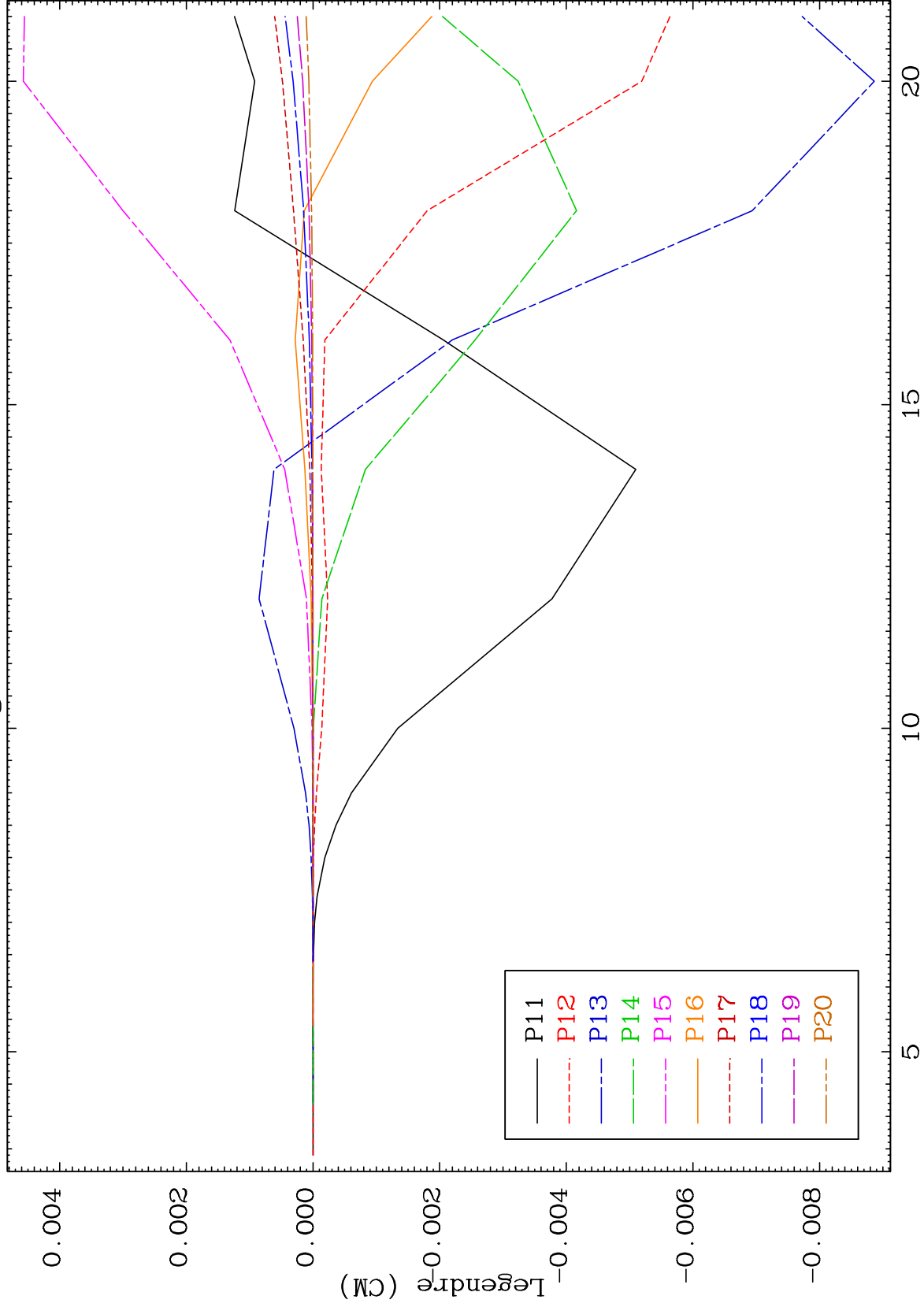
57-La-139



MAT 5728

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

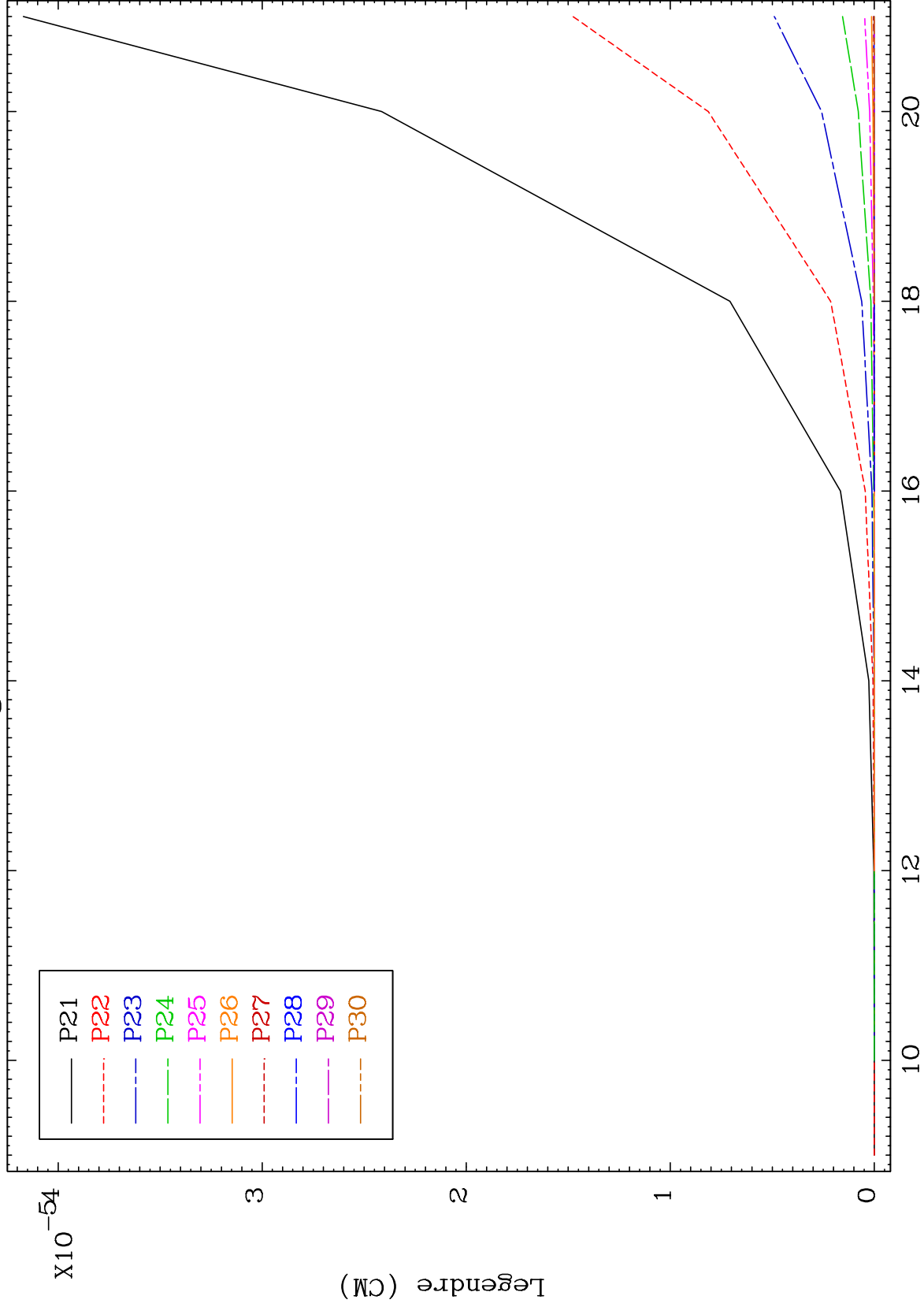
57-La-139



MAT 5728

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

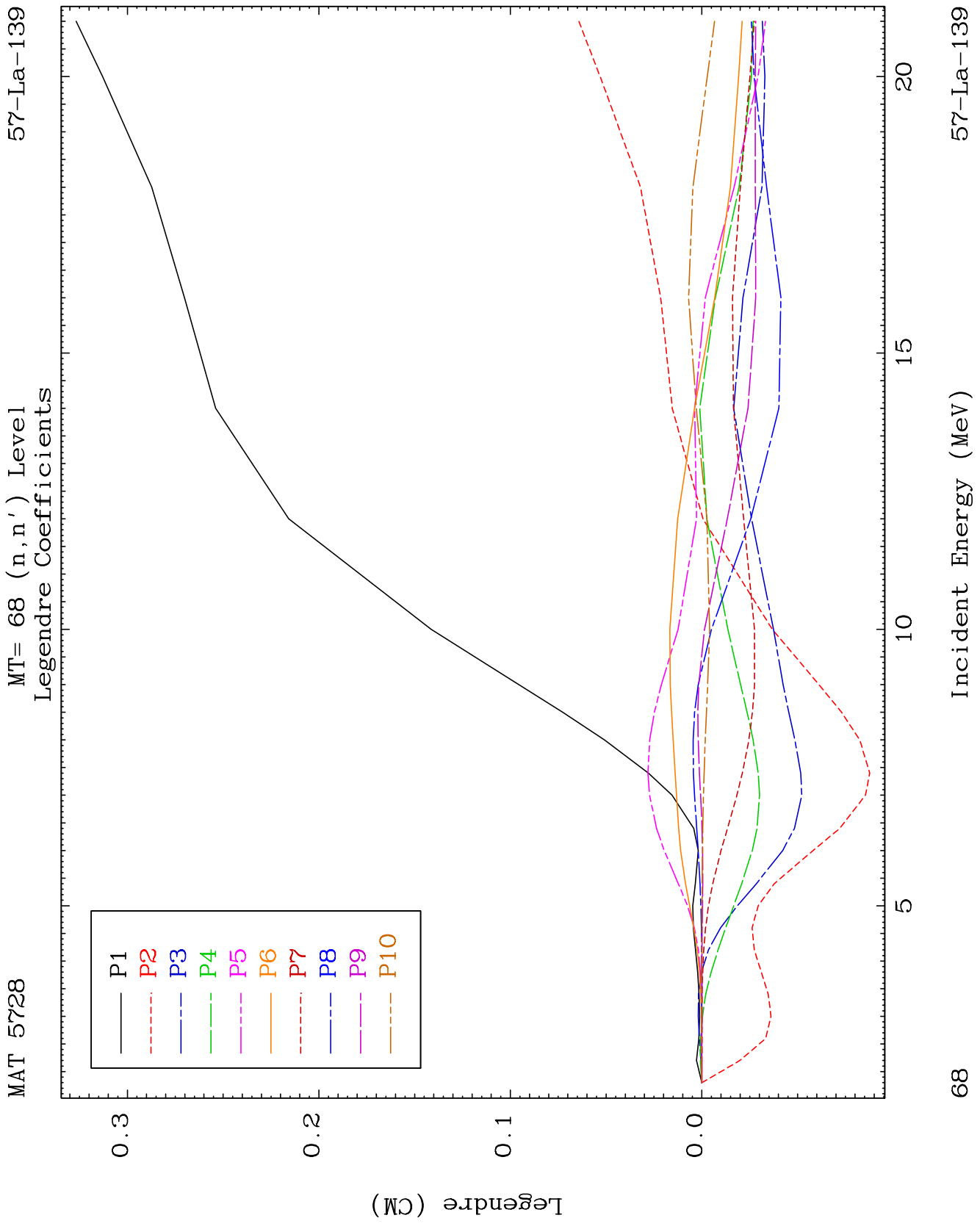
57-La-139



67

Incident Energy (MeV)

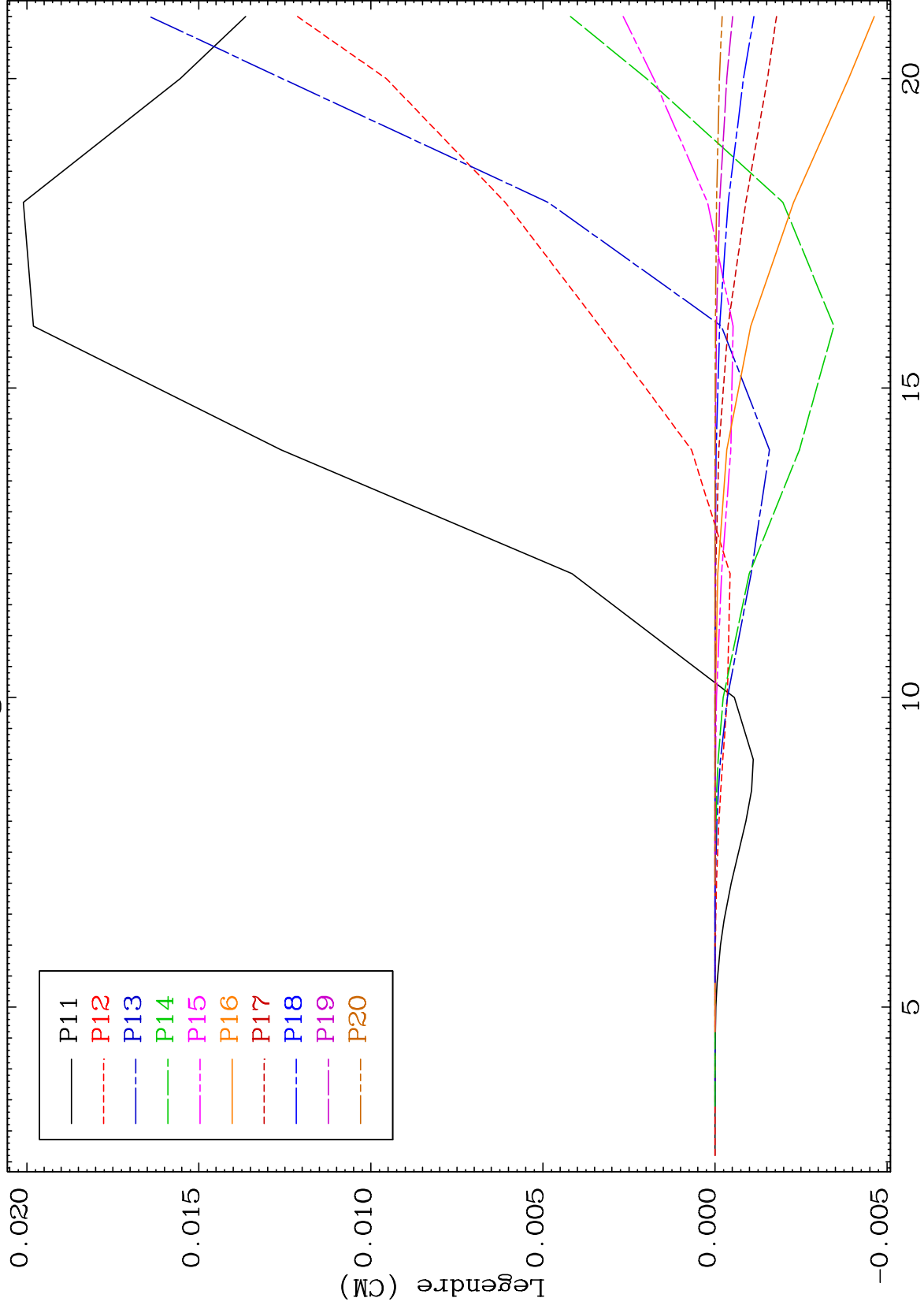
57-La-139



MAT 5728

MT= 68 (n,n') Level
Legendre Coefficients

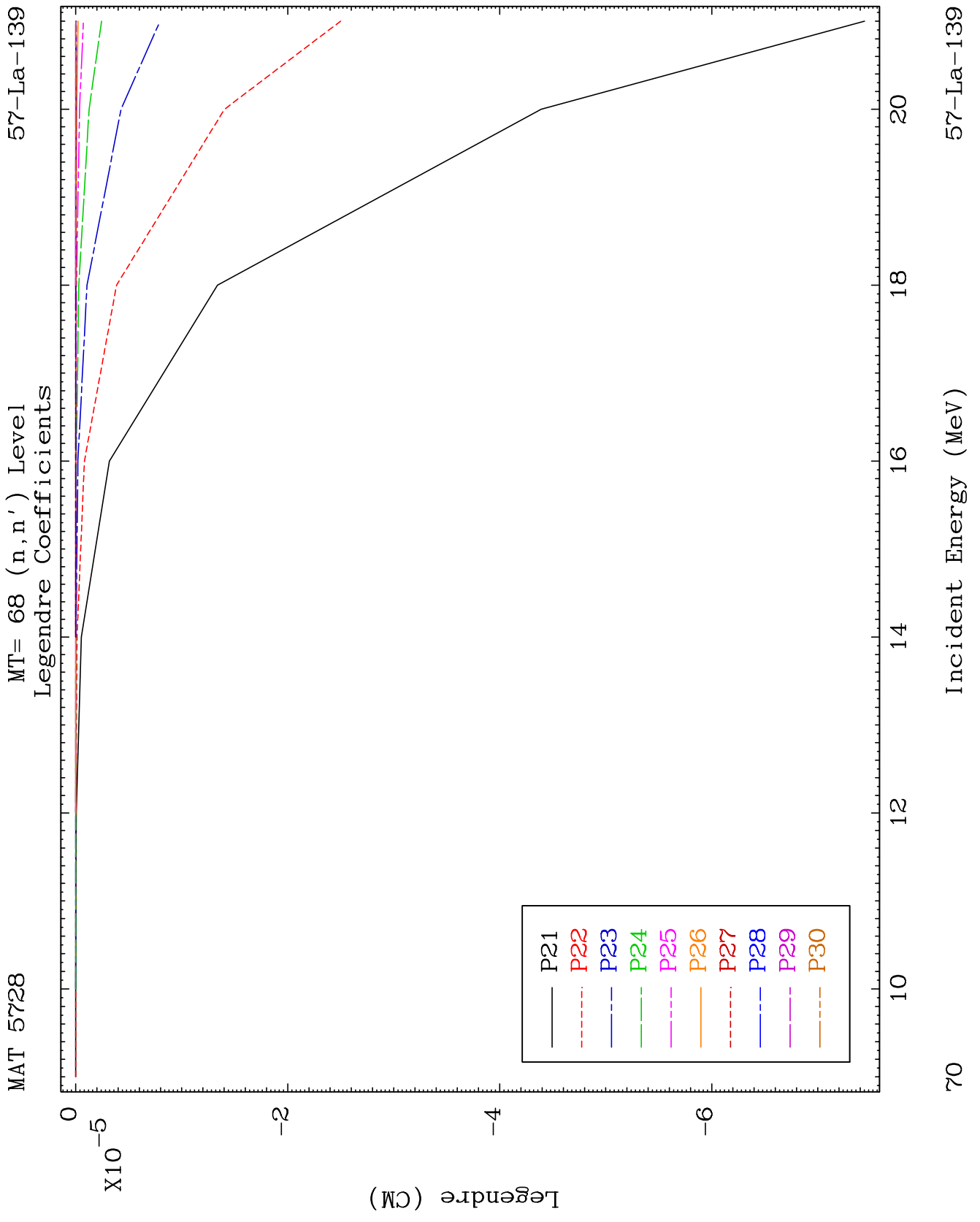
57-La-139



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Incident Energy (MeV)

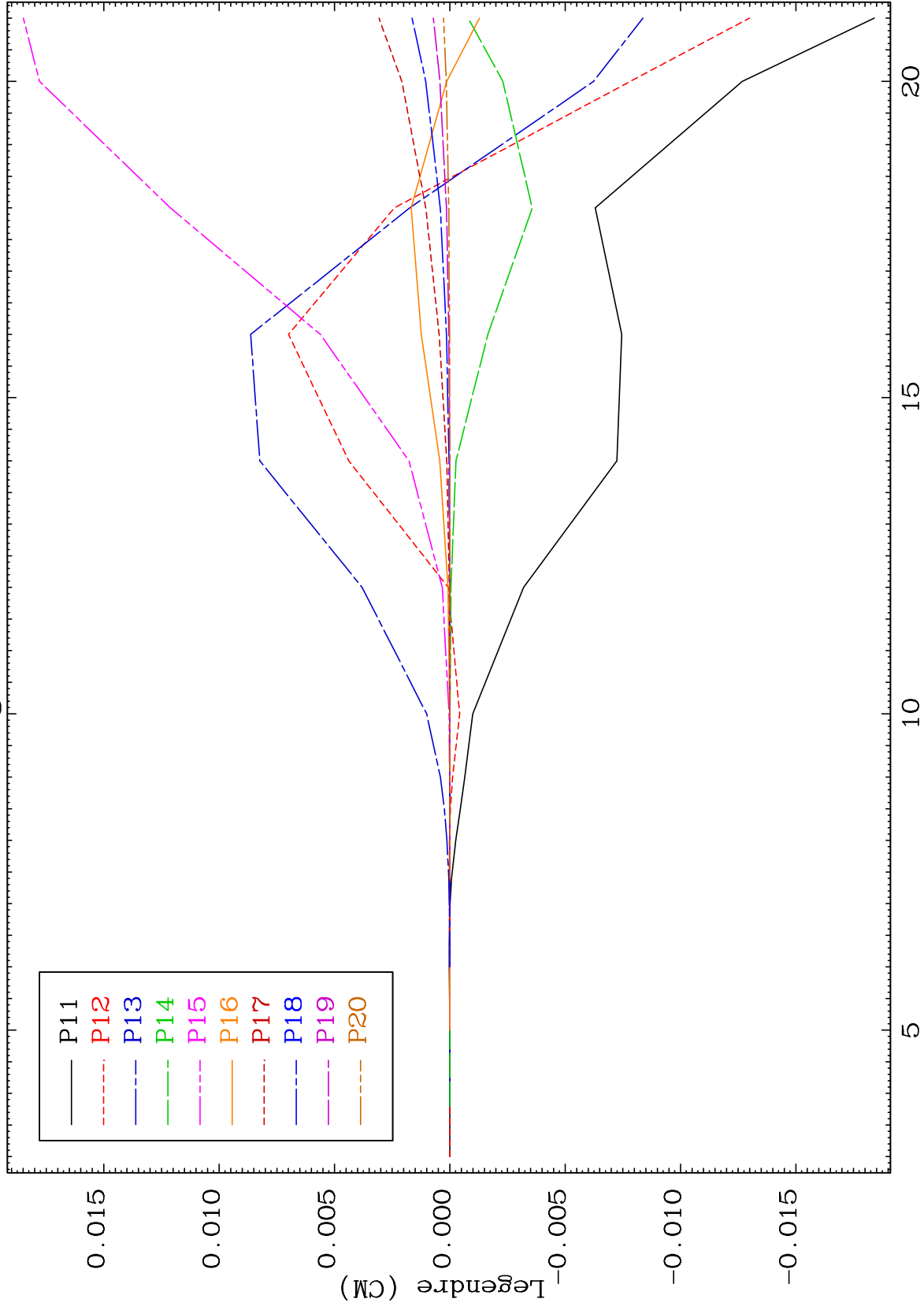
57-La-139



MAT 5728

MT= 69 (n,n') Level
Legendre Coefficients

57-La-139



72

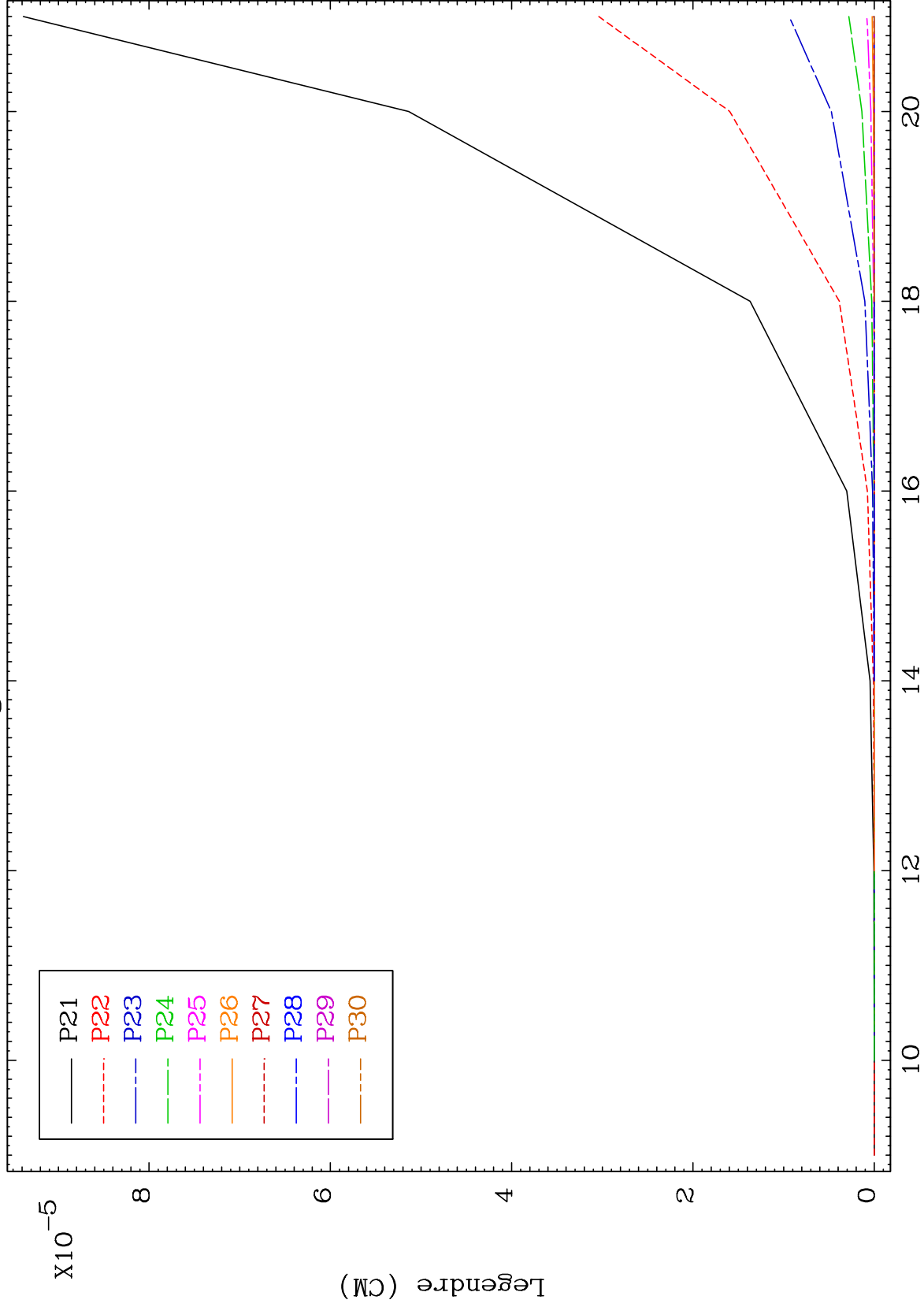
Incident Energy (MeV)

57-La-139

MAT 5728

MT= 69 (n,n') Level
Legendre Coefficients

57-La-139



73

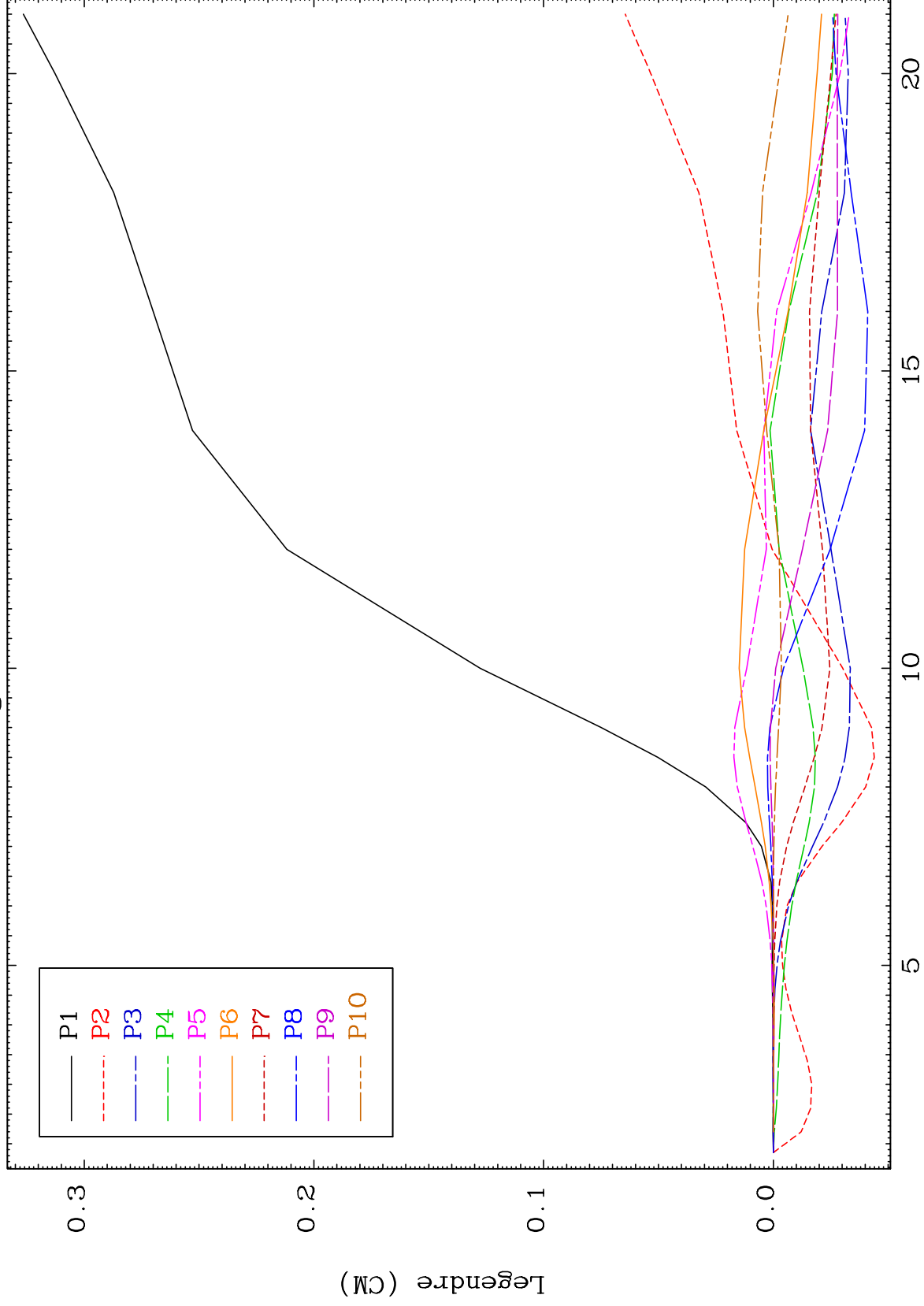
Incident Energy (MeV)

57-La-139

MAT 5728

MT= 70 (n,n') Level
Legendre Coefficients

57-La-139



74

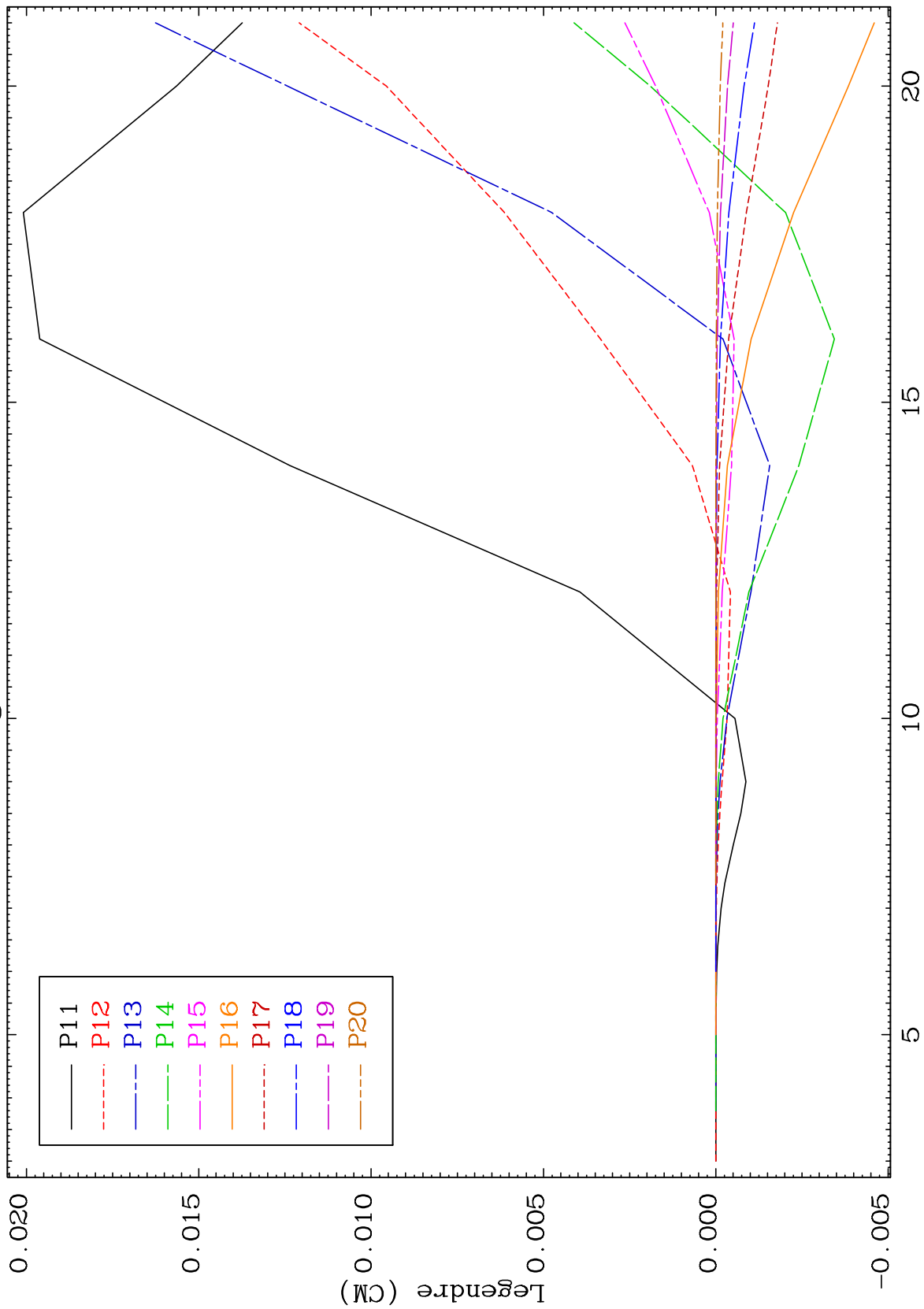
Incident Energy (MeV)

57-La-139

MAT 5728

MT= 70 (n,n') Level
Legendre Coefficients

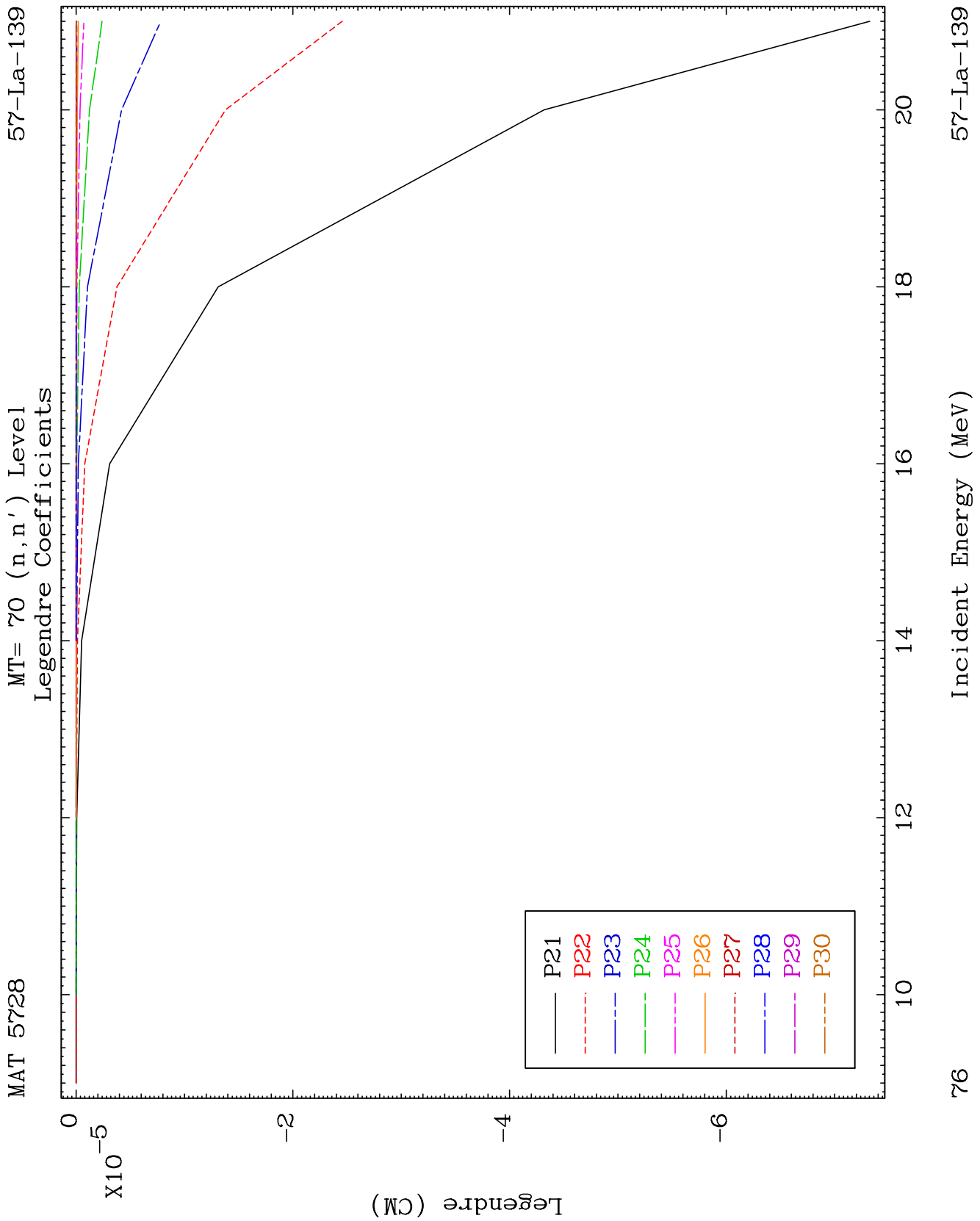
57-La-139

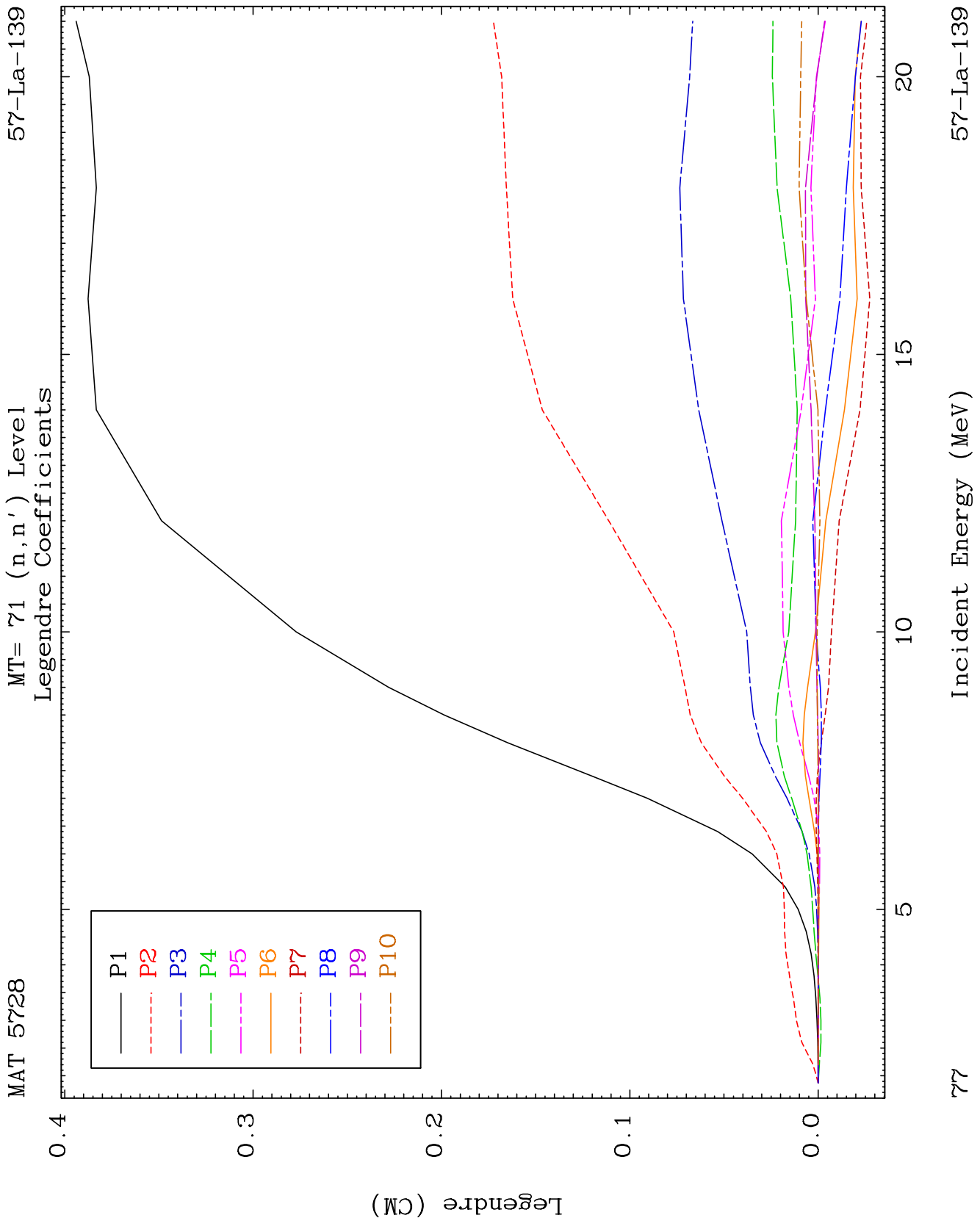


75

Incident Energy (MeV)

57-La-139

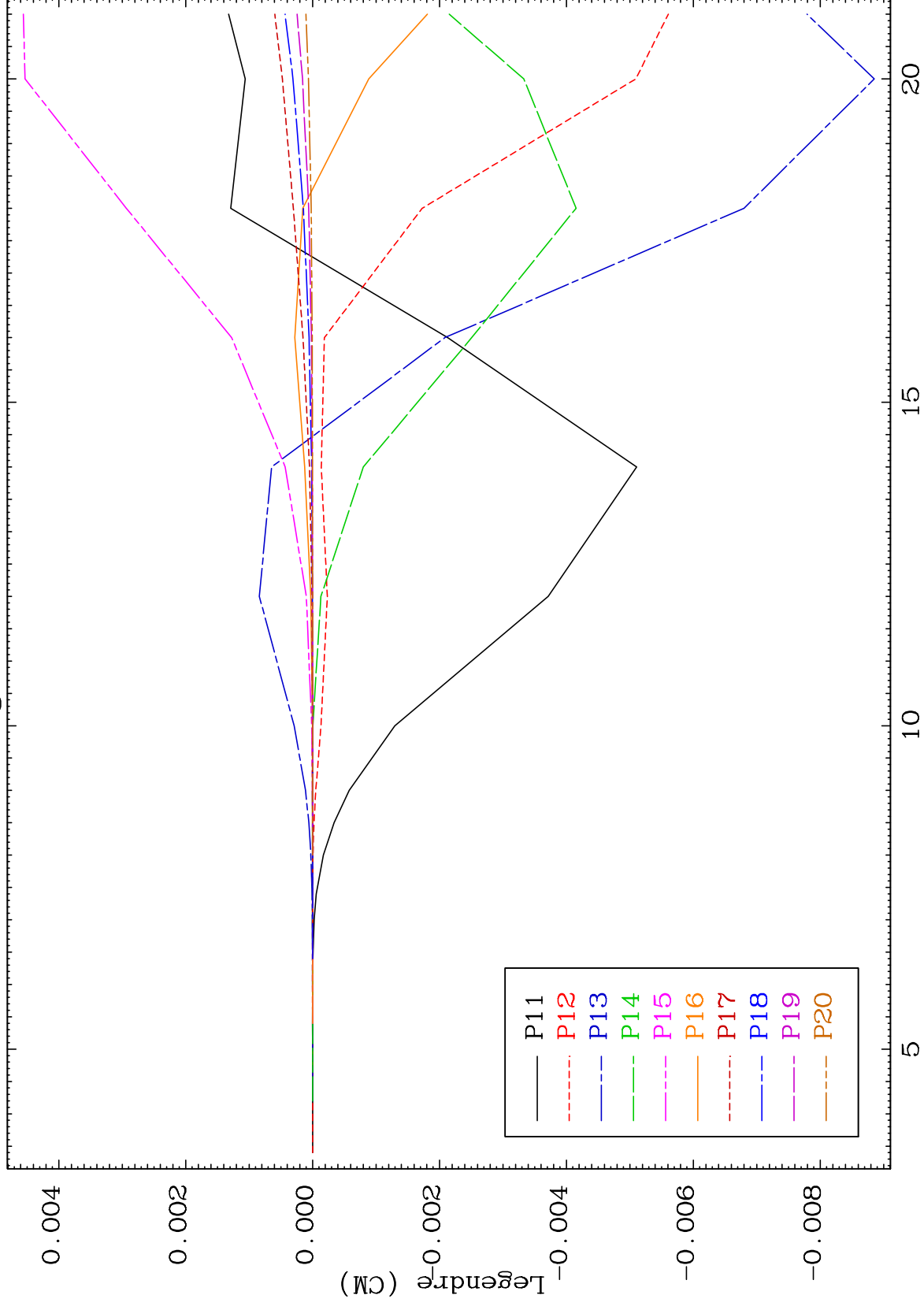




MAT 5728

MT= 71 (n,n') Level
Legendre Coefficients

57-La-139



78

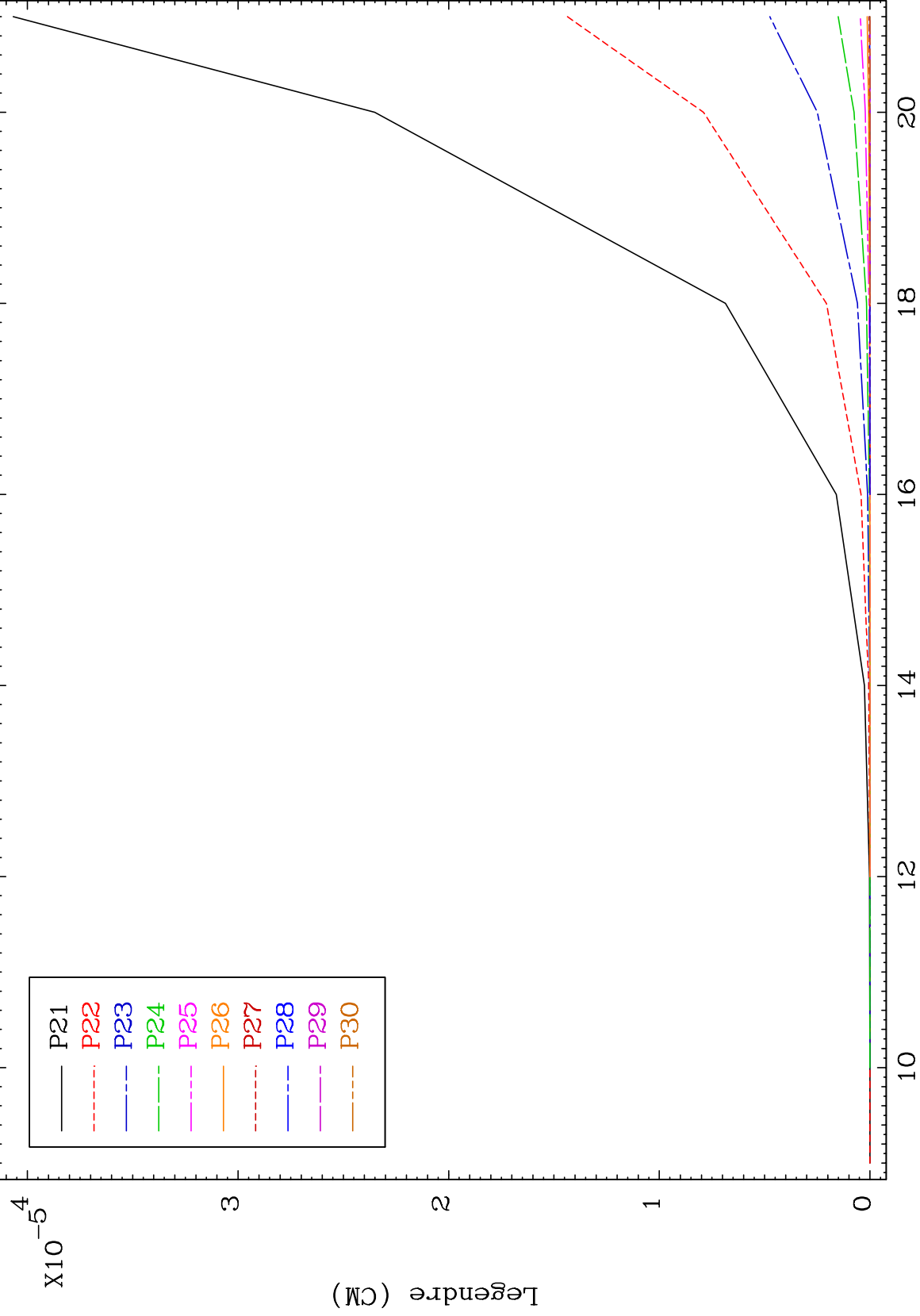
Incident Energy (MeV)

57-La-139

MAT 5728

MT= 71 (n,n') Level
Legendre Coefficients

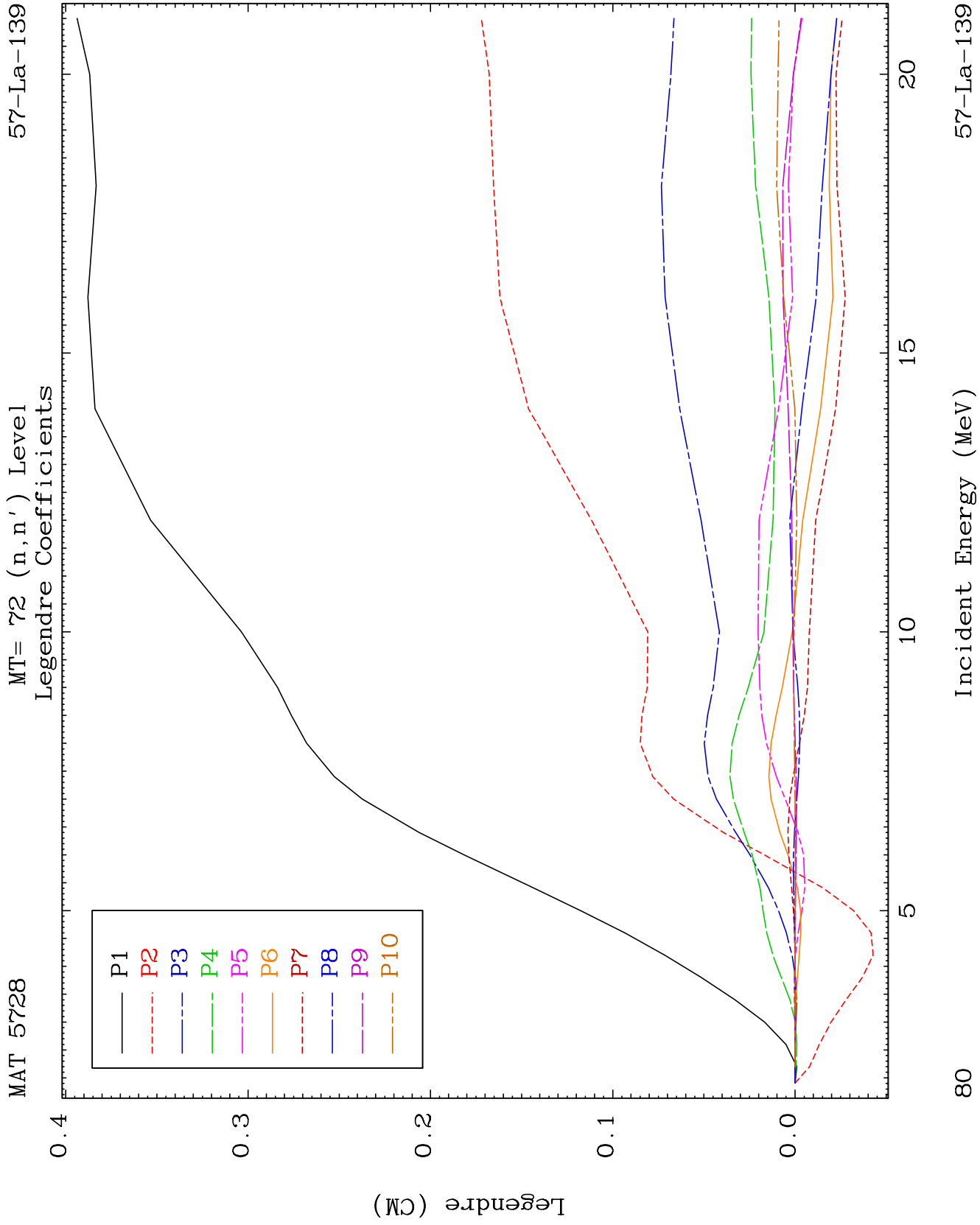
57-La-139



79

Incident Energy (MeV)

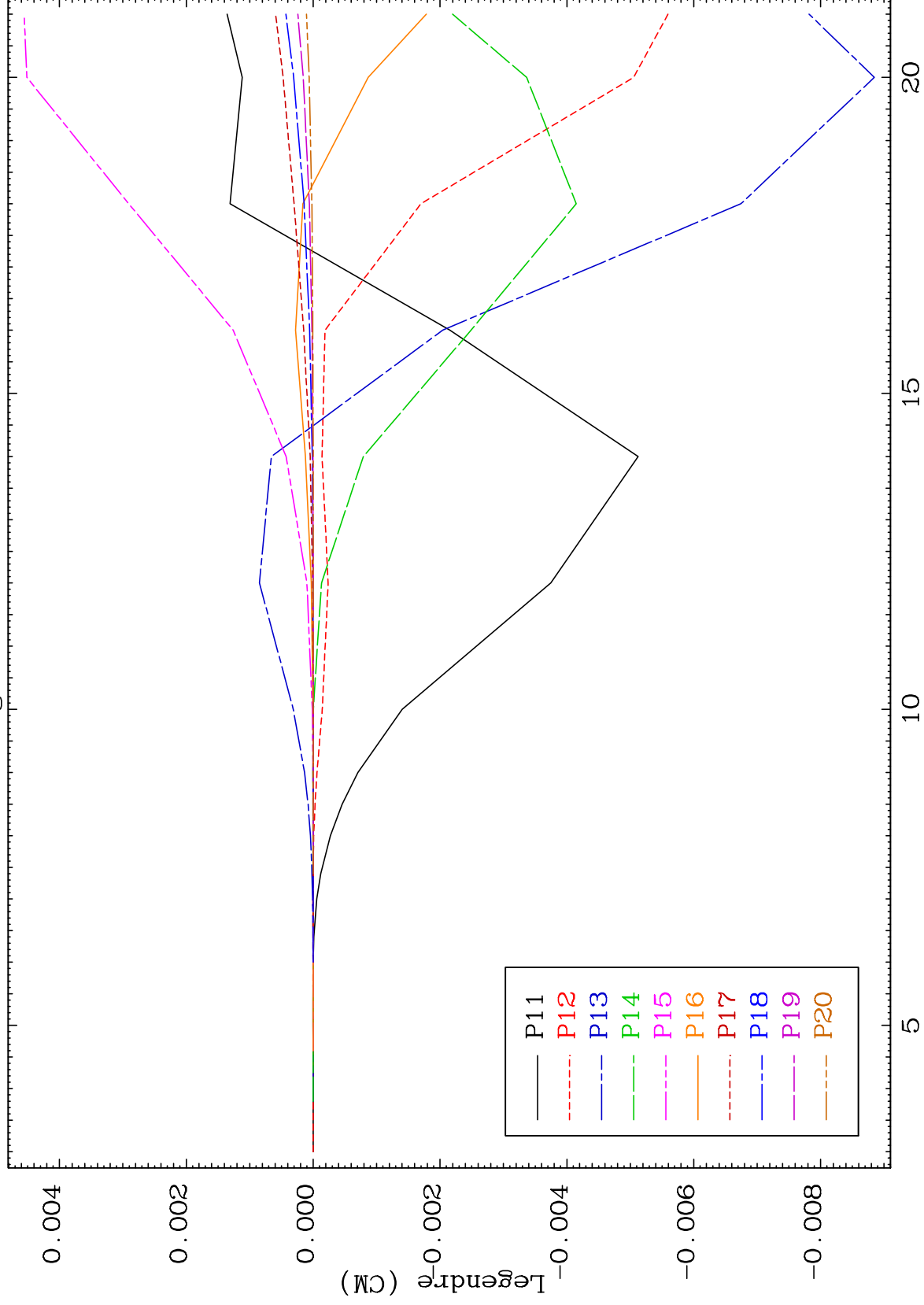
57-La-139



MAT 5728

MT= 72 (n,n') Level
Legendre Coefficients

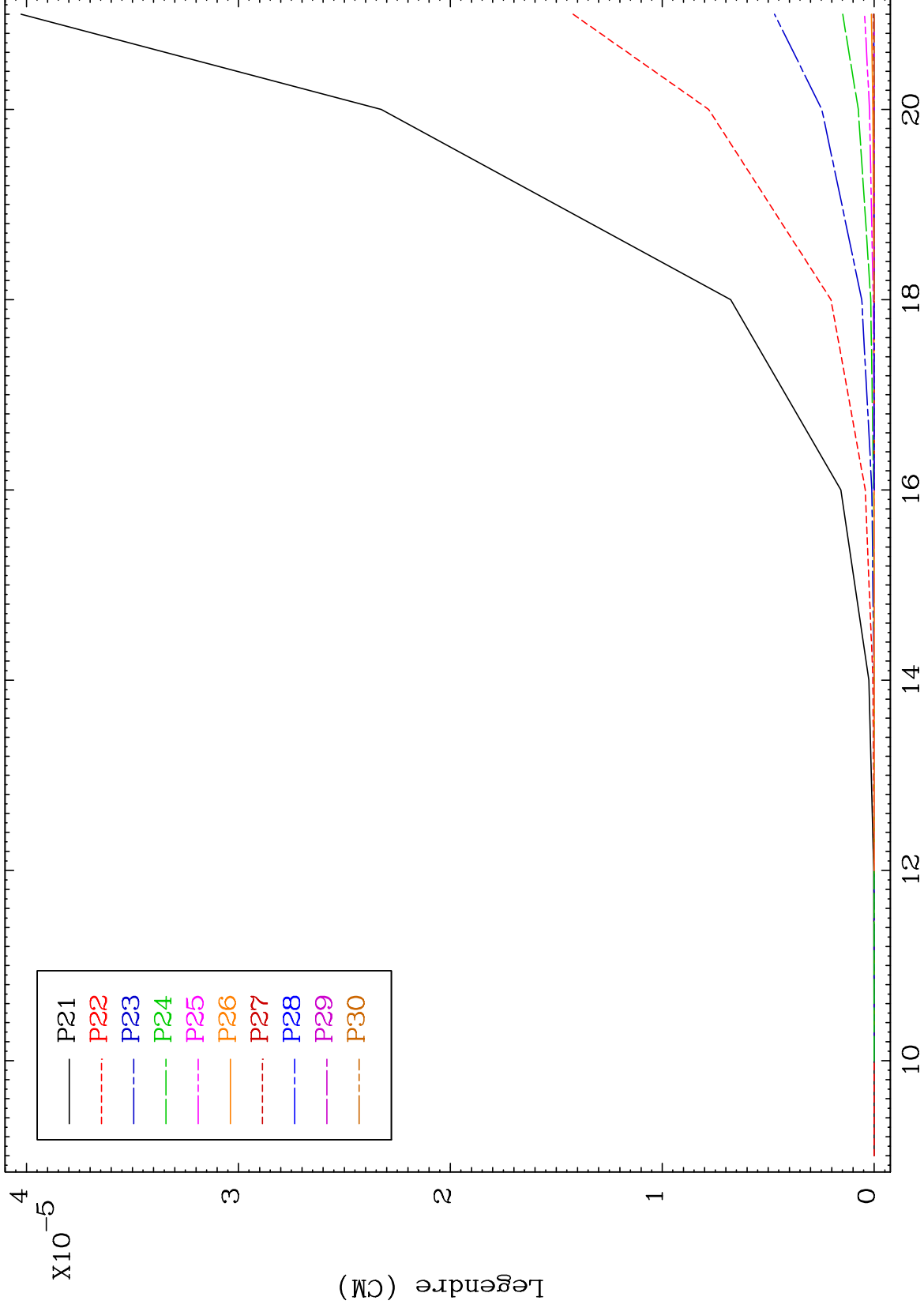
57-La-139



MAT 5728

MT= 72 (n,n') Level
Legendre Coefficients

57-La-139



82

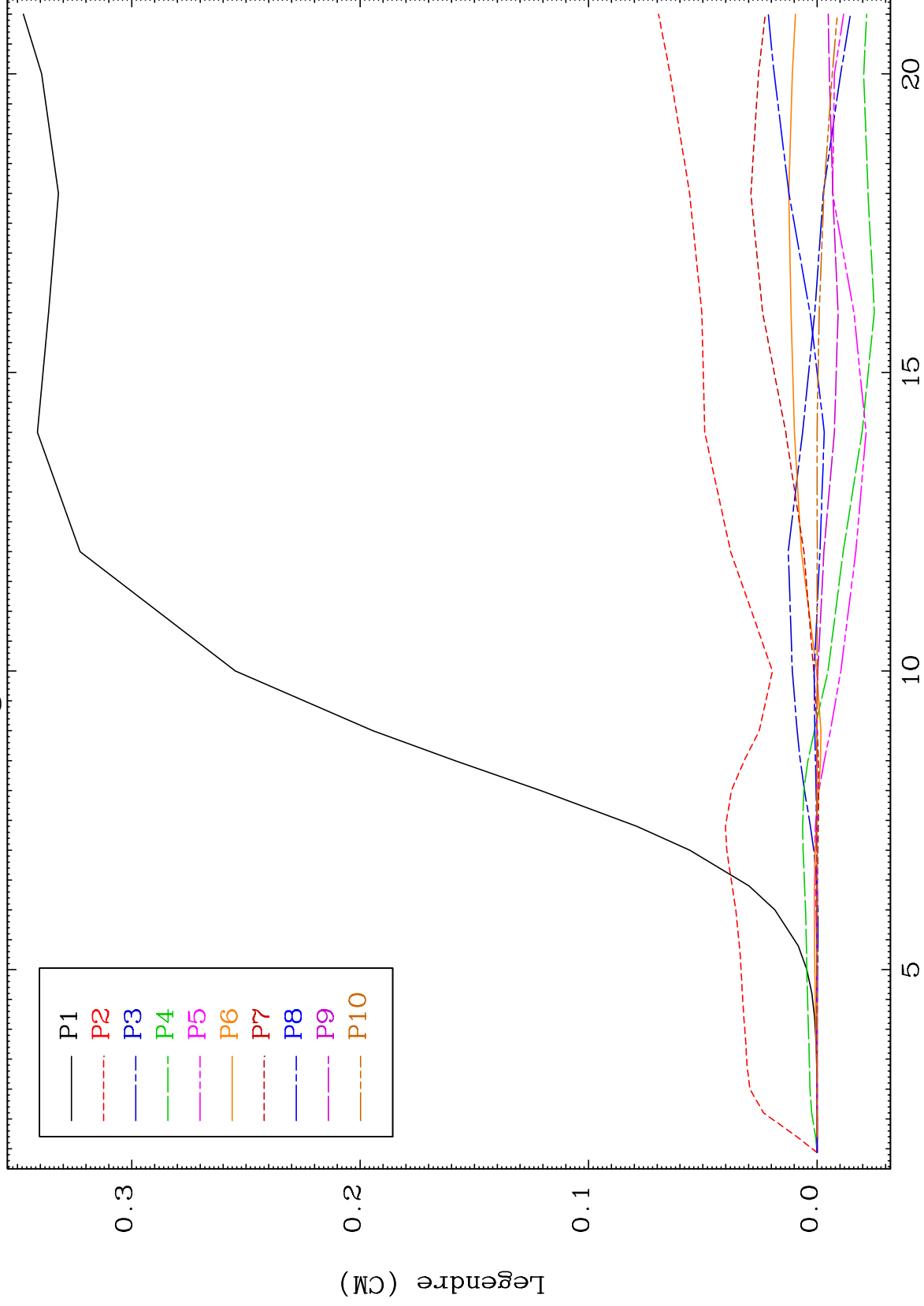
Incident Energy (MeV)

57-La-139

MAT 5728

MT= 73 (n,n') Level
Legendre Coefficients

57-La-139



83

Incident Energy (MeV)

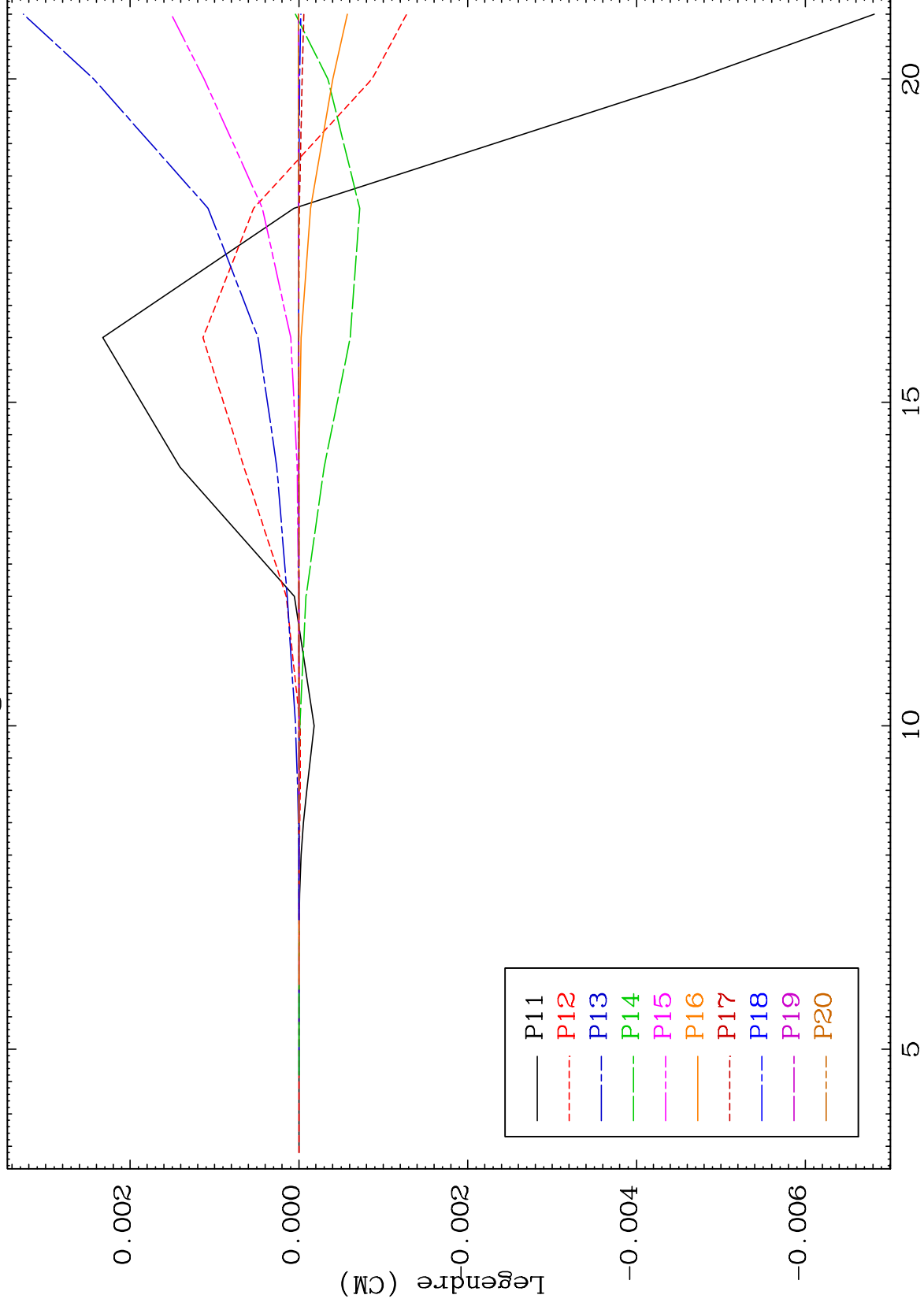
57-La-139

MAT 5728

MT= 73 (n,n') Level

57-La-139

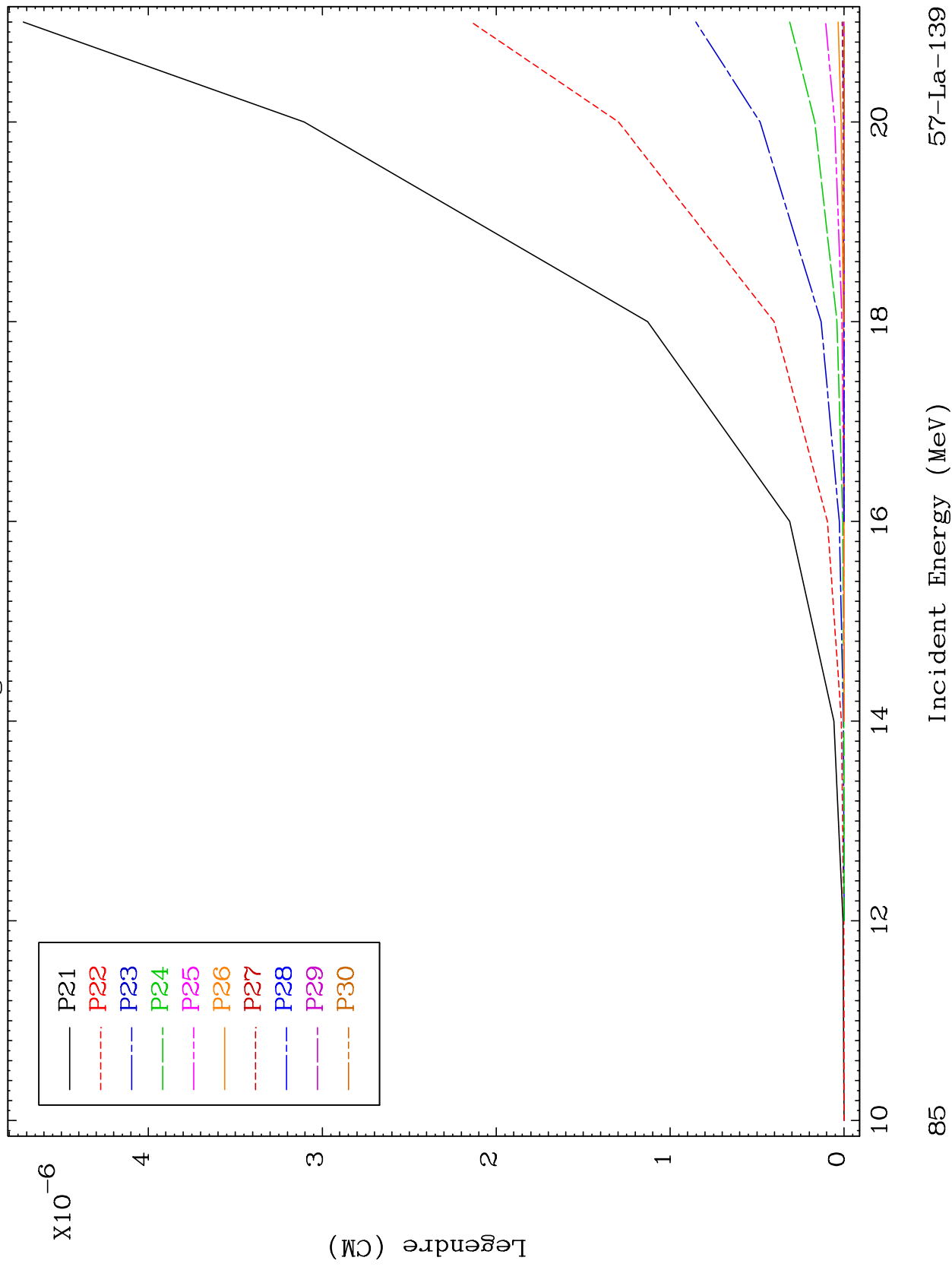
Legendre Coefficients



MAT 5728

MT= 73 (n,n') Level
Legendre Coefficients

57-La-139



57-La-139

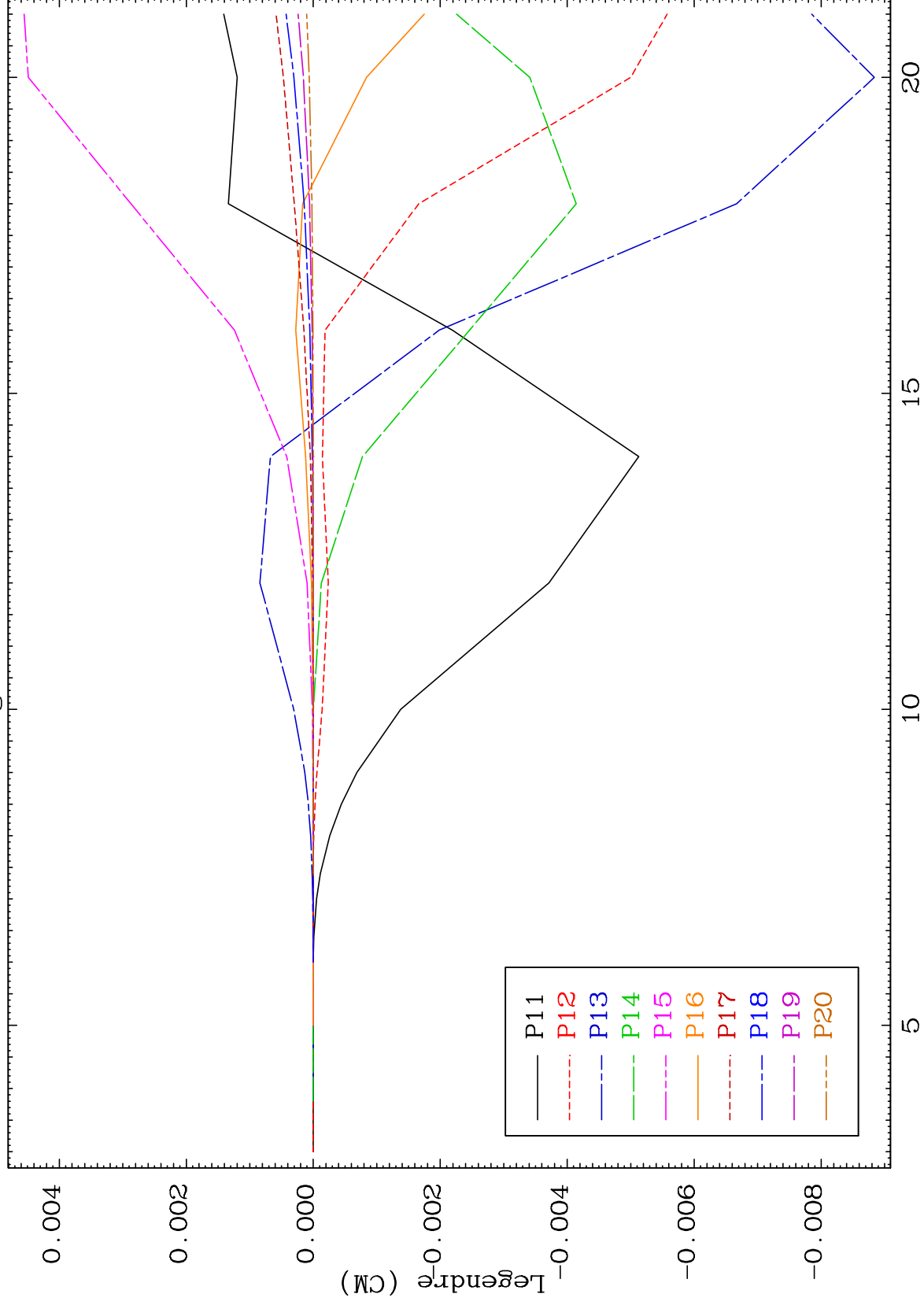
Incident Energy (MeV)

85

MAT 5728

MT= 74 (n,n') Level
Legendre Coefficients

57-La-139



87

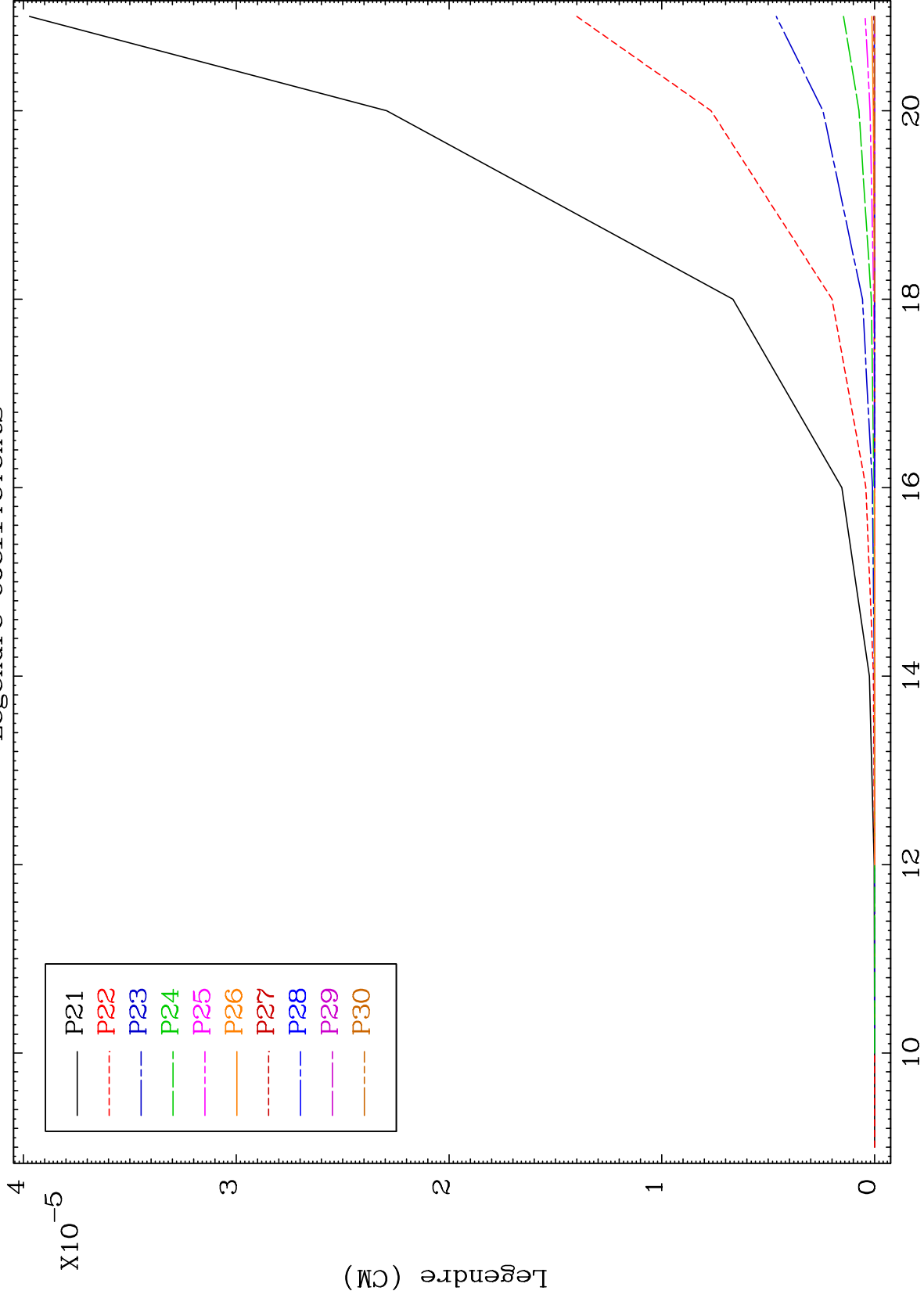
Incident Energy (MeV)

57-La-139

MAT 5728

MT= 74 (n,n') Level
Legendre Coefficients

57-La-139



88

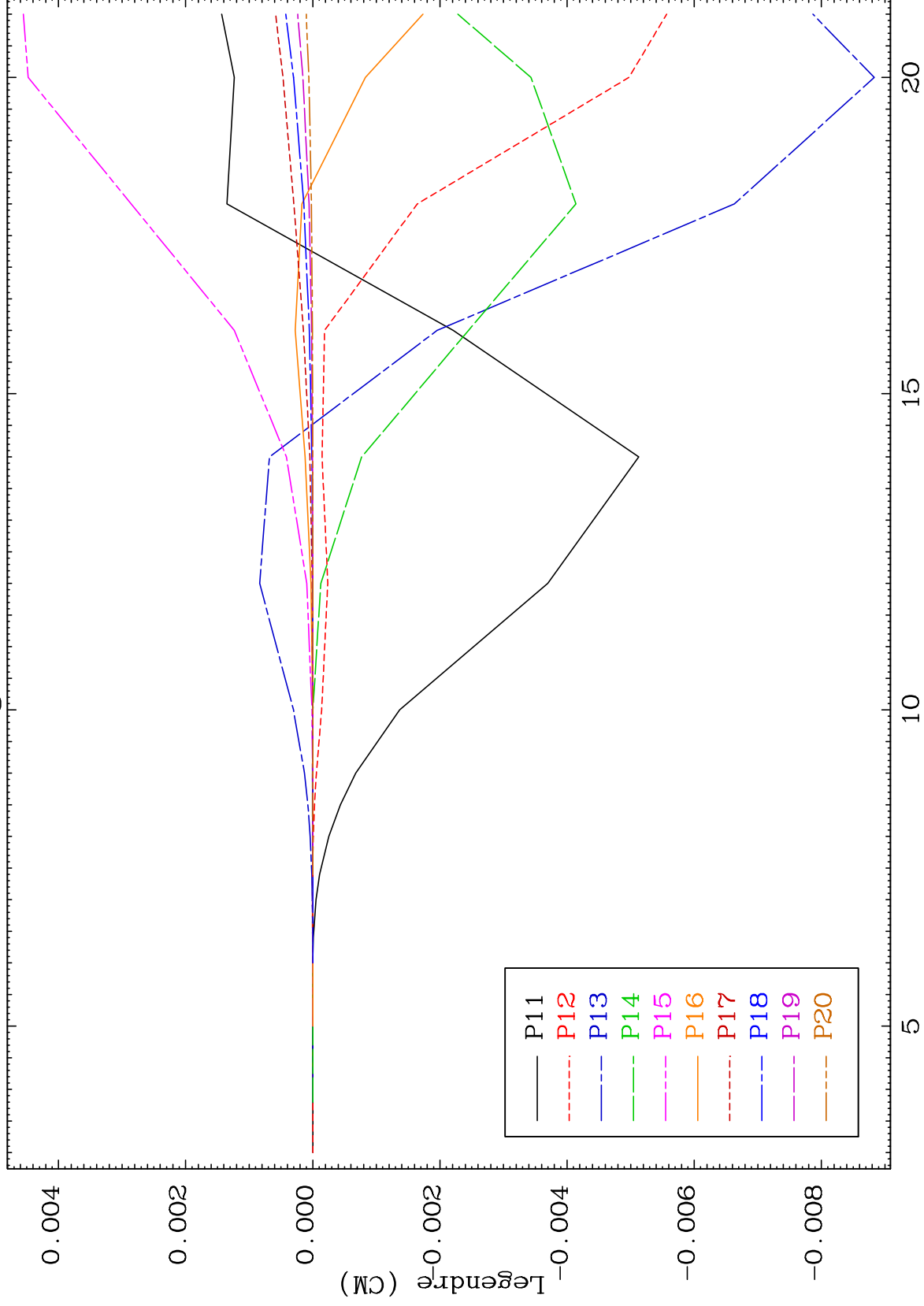
Incident Energy (MeV)

57-La-139

MAT 5728

MT= 75 (n,n') Level
Legendre Coefficients

57-La-139



90

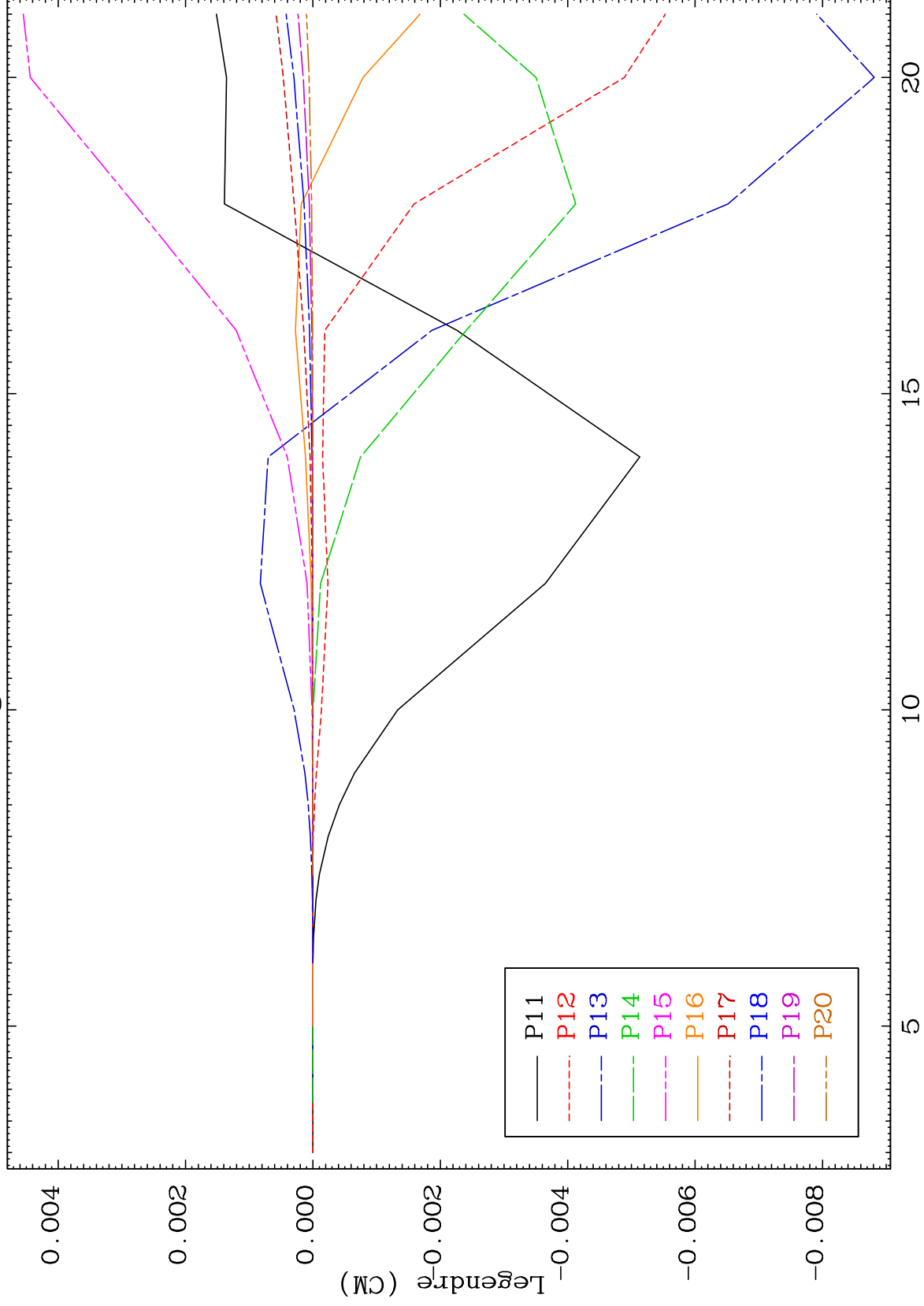
Incident Energy (MeV)

57-La-139

MAT 5728

MT= 76 (n,n') Level
Legendre Coefficients

57-La-139



93

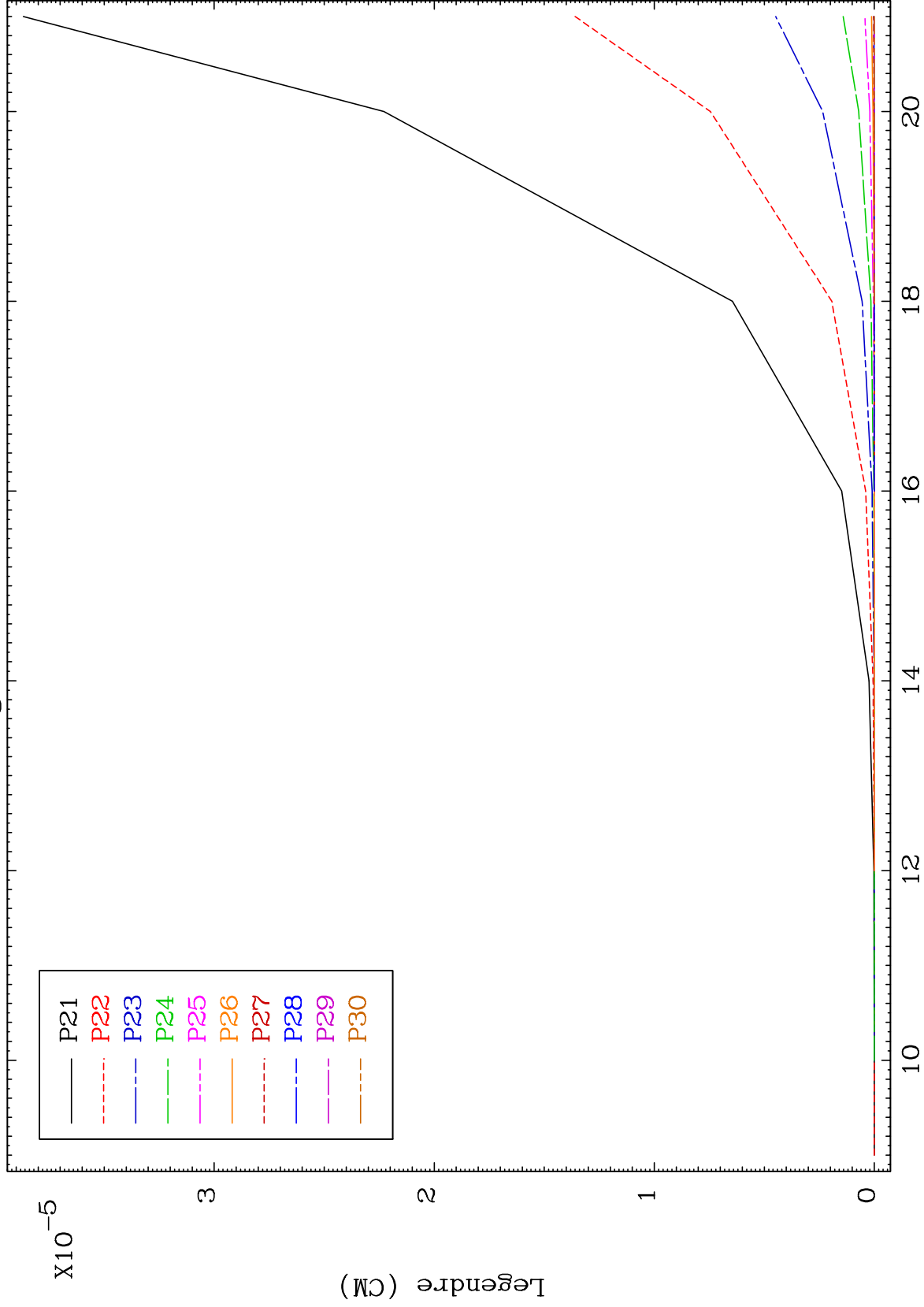
Incident Energy (MeV)

57-La-139

MAT 5728

MT= 76 (n,n') Level
Legendre Coefficients

57-La-139



94

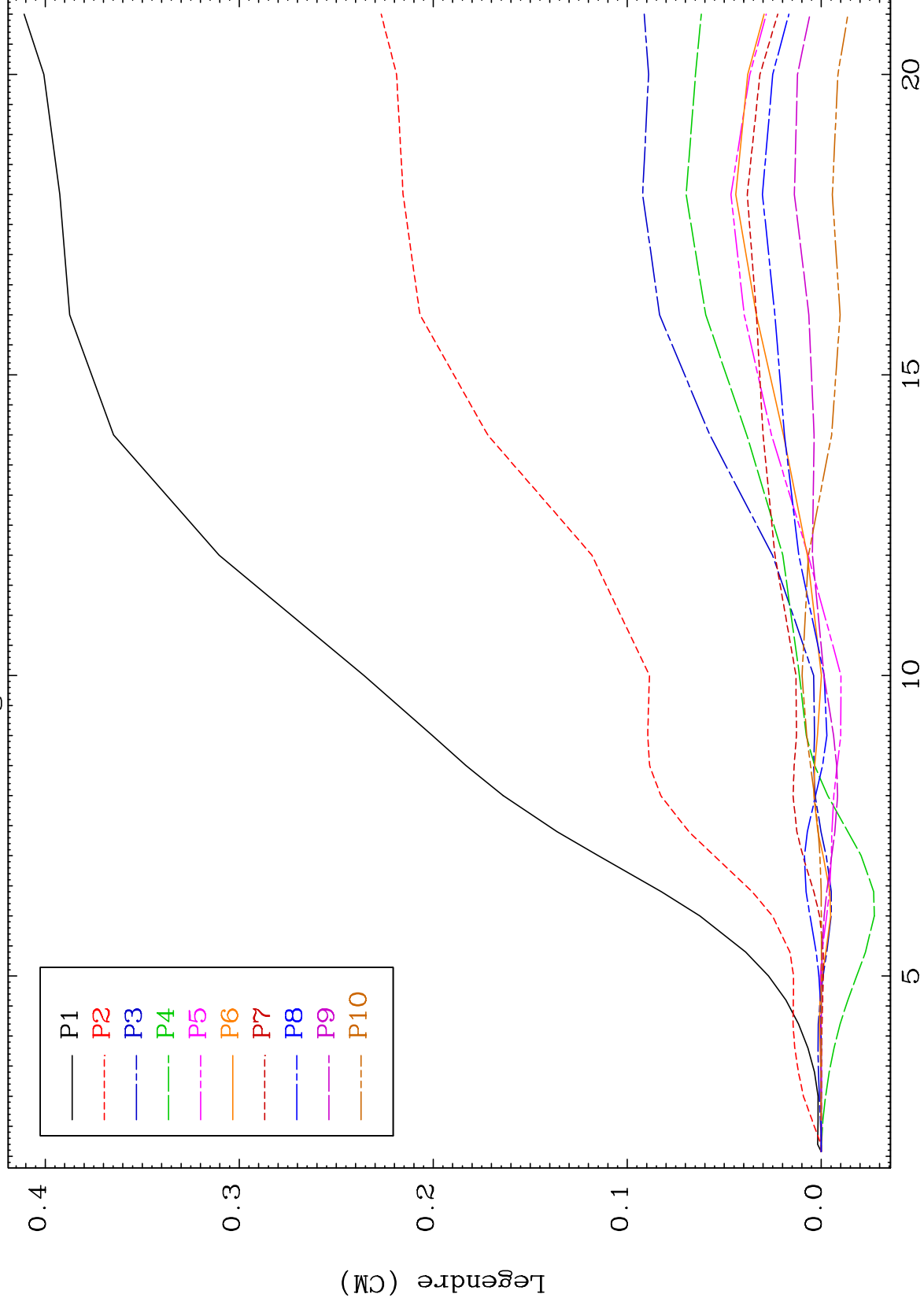
Incident Energy (MeV)

57-La-139

MAT 5728

MT= 77 (n,n') Level
Legendre Coefficients

57-La-139



95

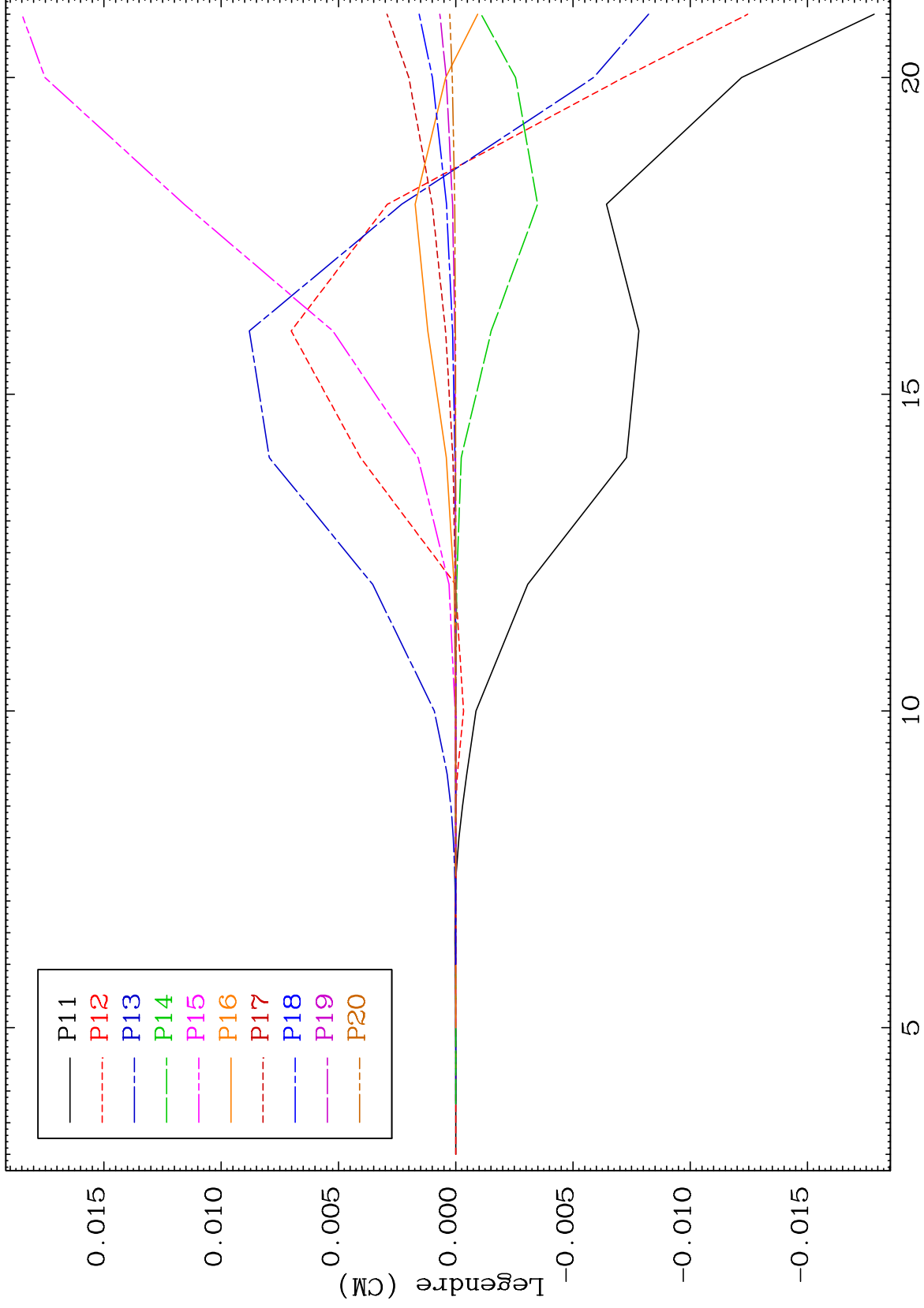
Incident Energy (MeV)

57-La-139

MAT 5728

MT= 77 (n,n') Level
Legendre Coefficients

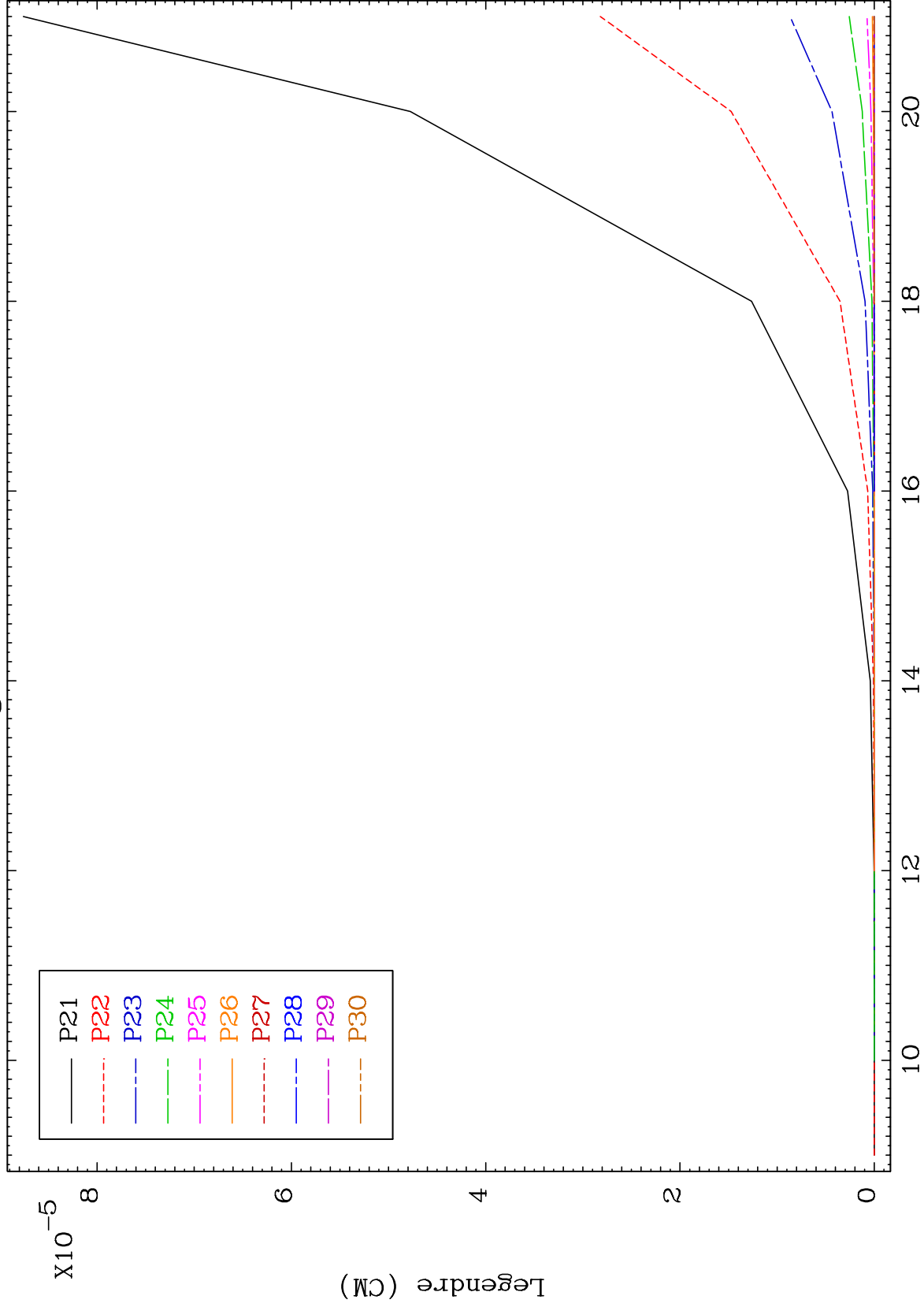
57-La-139



MAT 5728

MT= 77 (n,n') Level
Legendre Coefficients

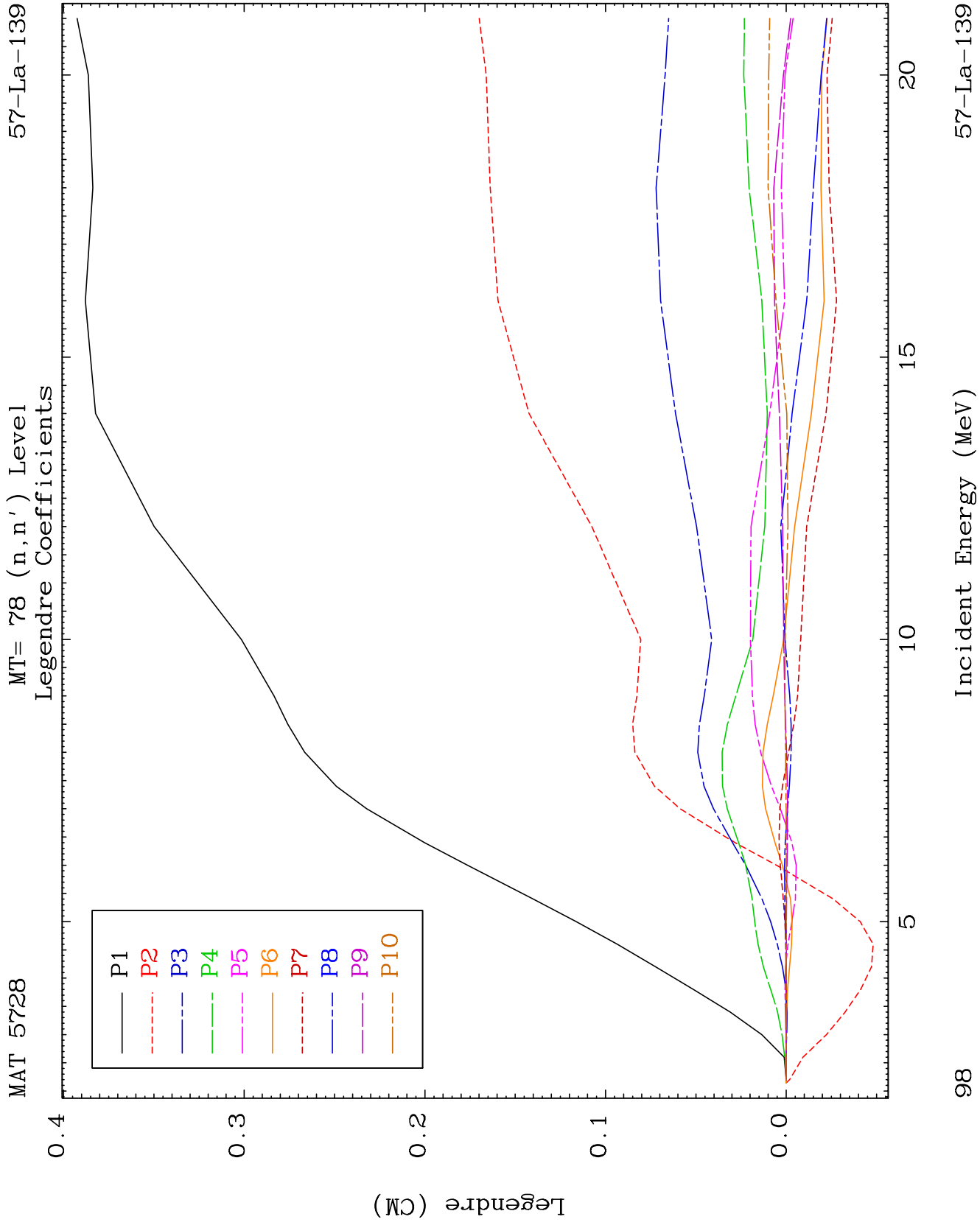
57-La-139



97

Incident Energy (MeV)

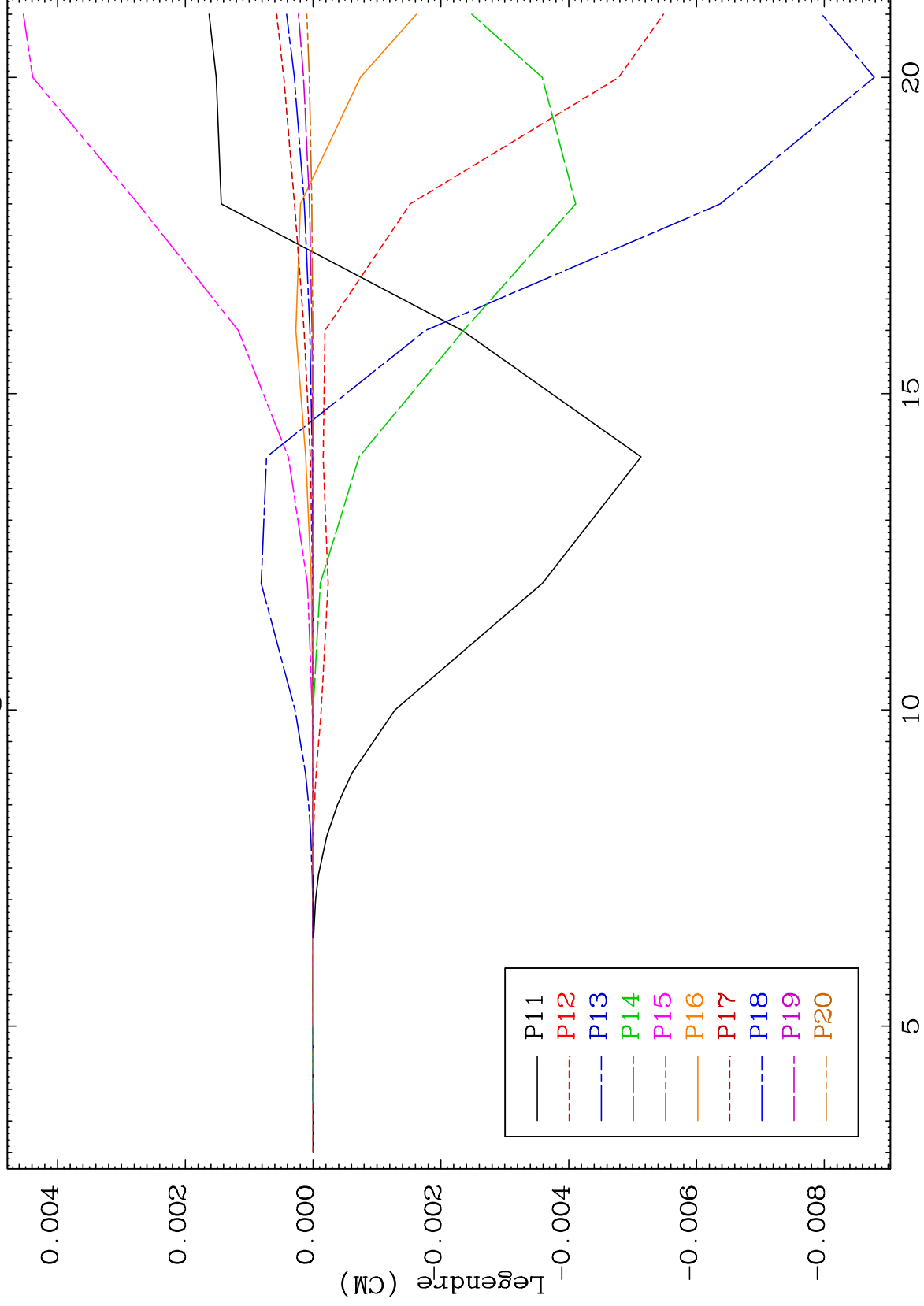
57-La-139



MAT 5728

MT= 78 (n,n') Level
Legendre Coefficients

57-La-139



99

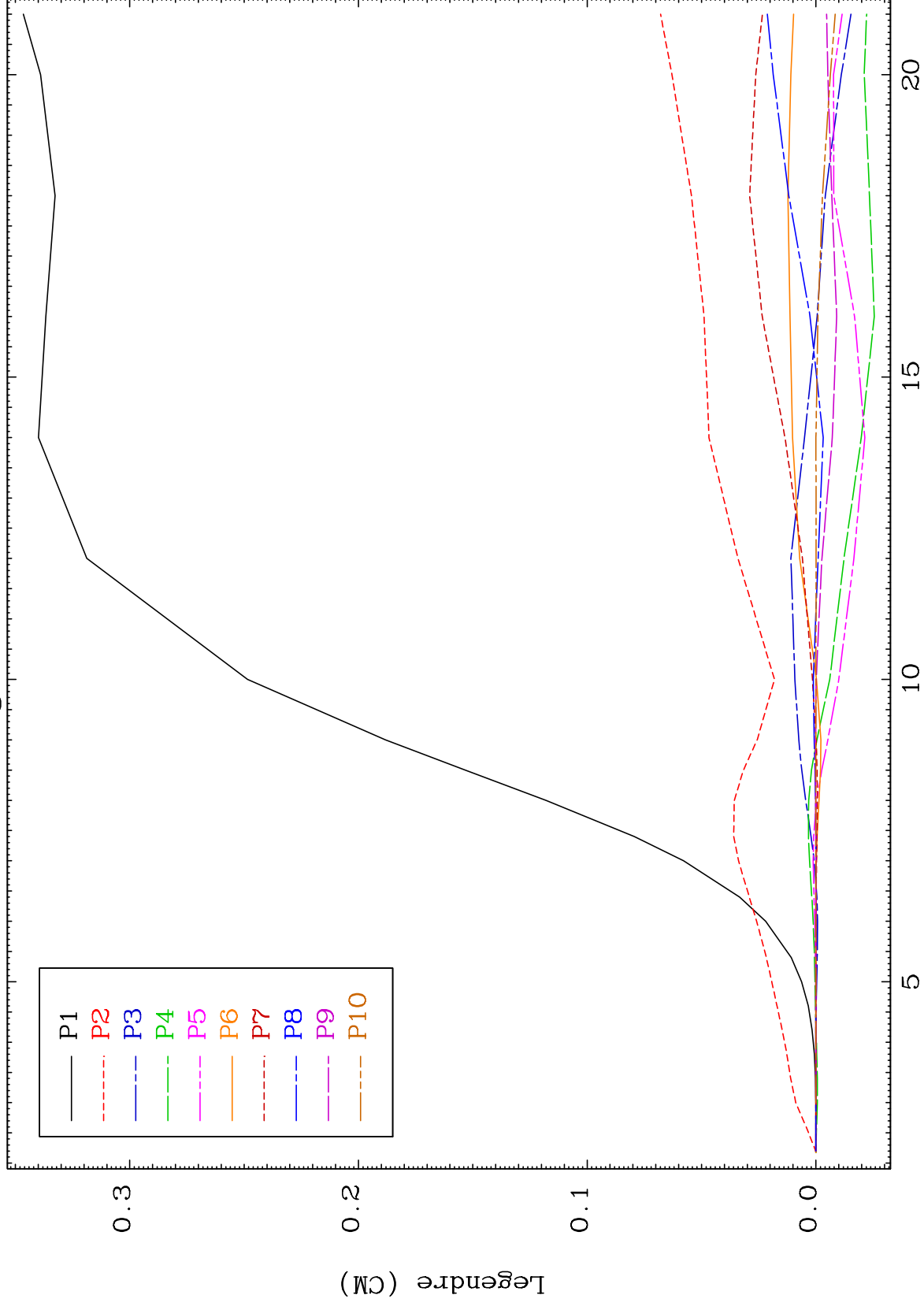
Incident Energy (MeV)

57-La-139

MAT 5728

MT= 79 (n,n') Level
Legendre Coefficients

57-La-139



101

Incident Energy (MeV)

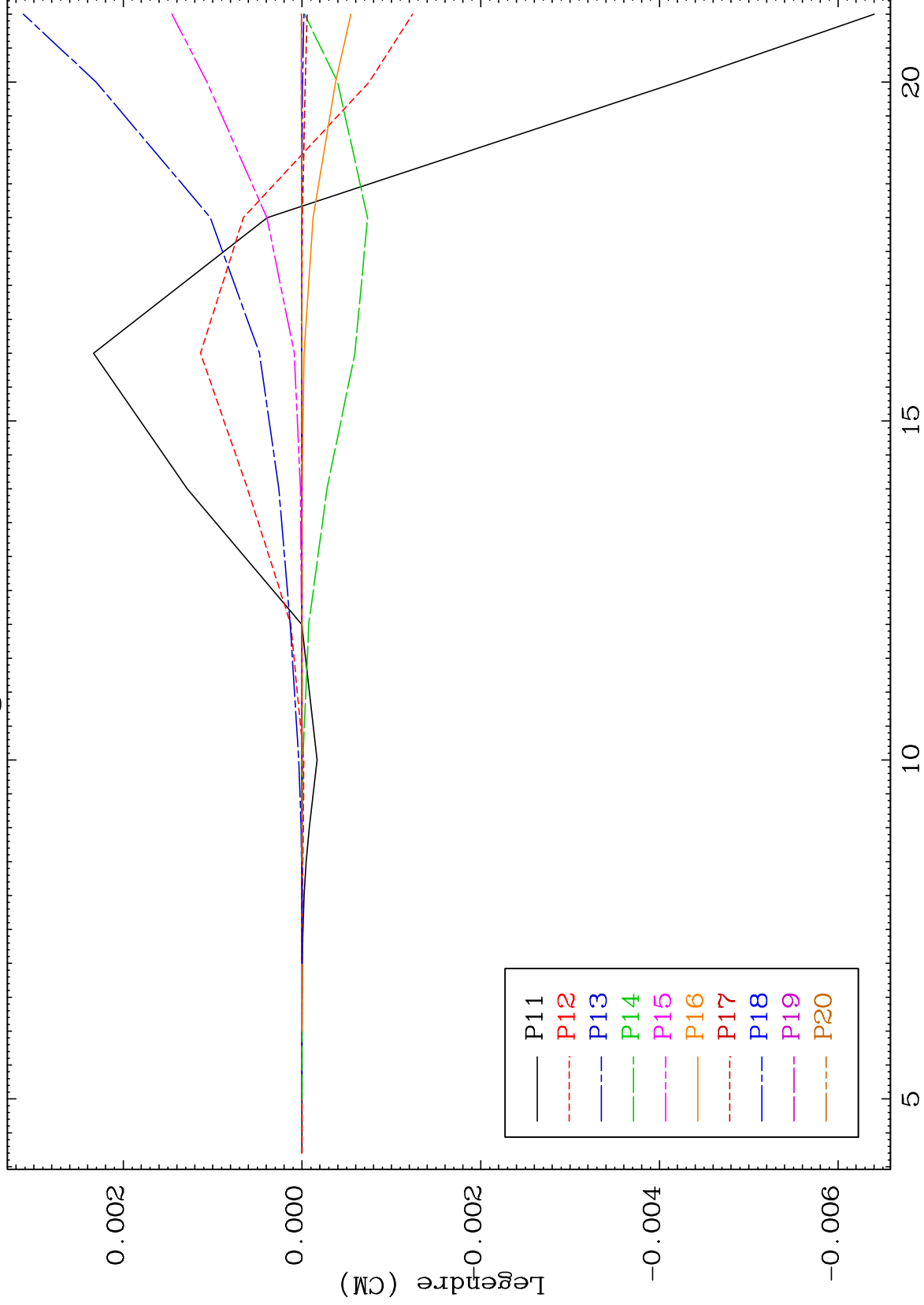
57-La-139

MAT 5728

MT= 79 (n,n') Level

57-La-139

Legendre Coefficients



102

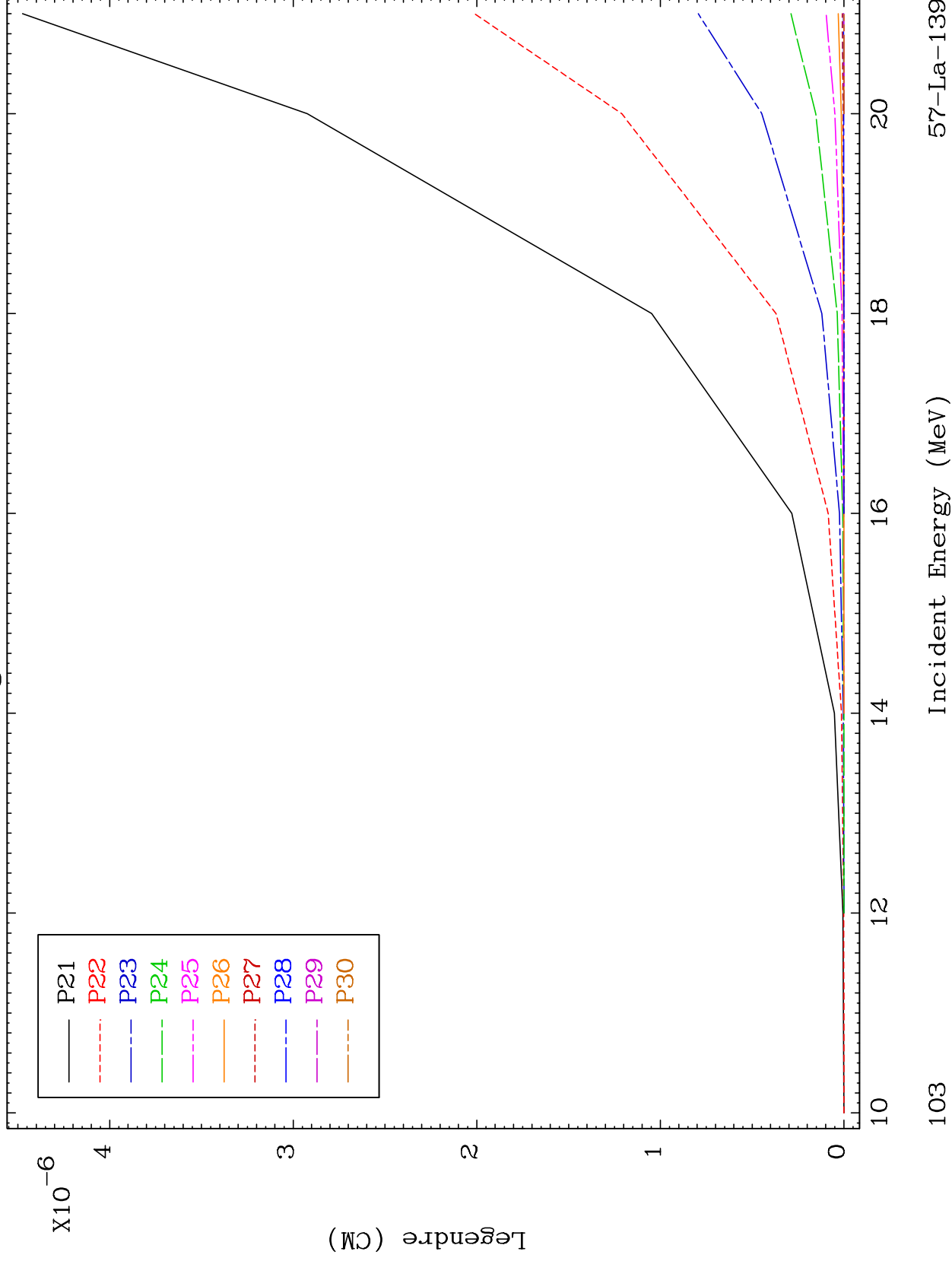
Incident Energy (MeV)

57-La-139

MAT 5728

MT= 79 (n,n') Level
Legendre Coefficients

57-La-139



MAT 5728

MT= 80 (n,n') Level
Legendre Coefficients

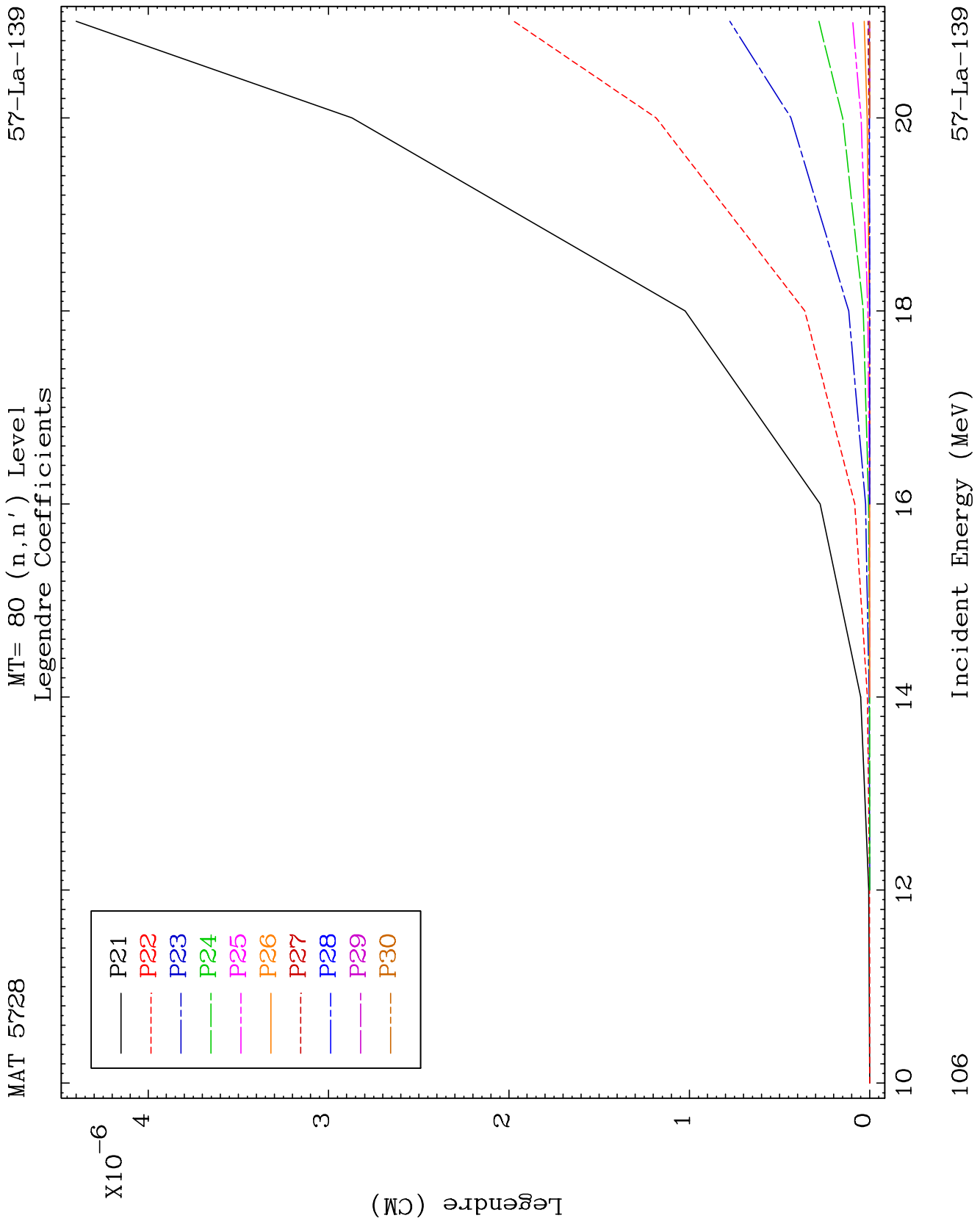
57-La-139



105

Incident Energy (MeV)

57-La-139

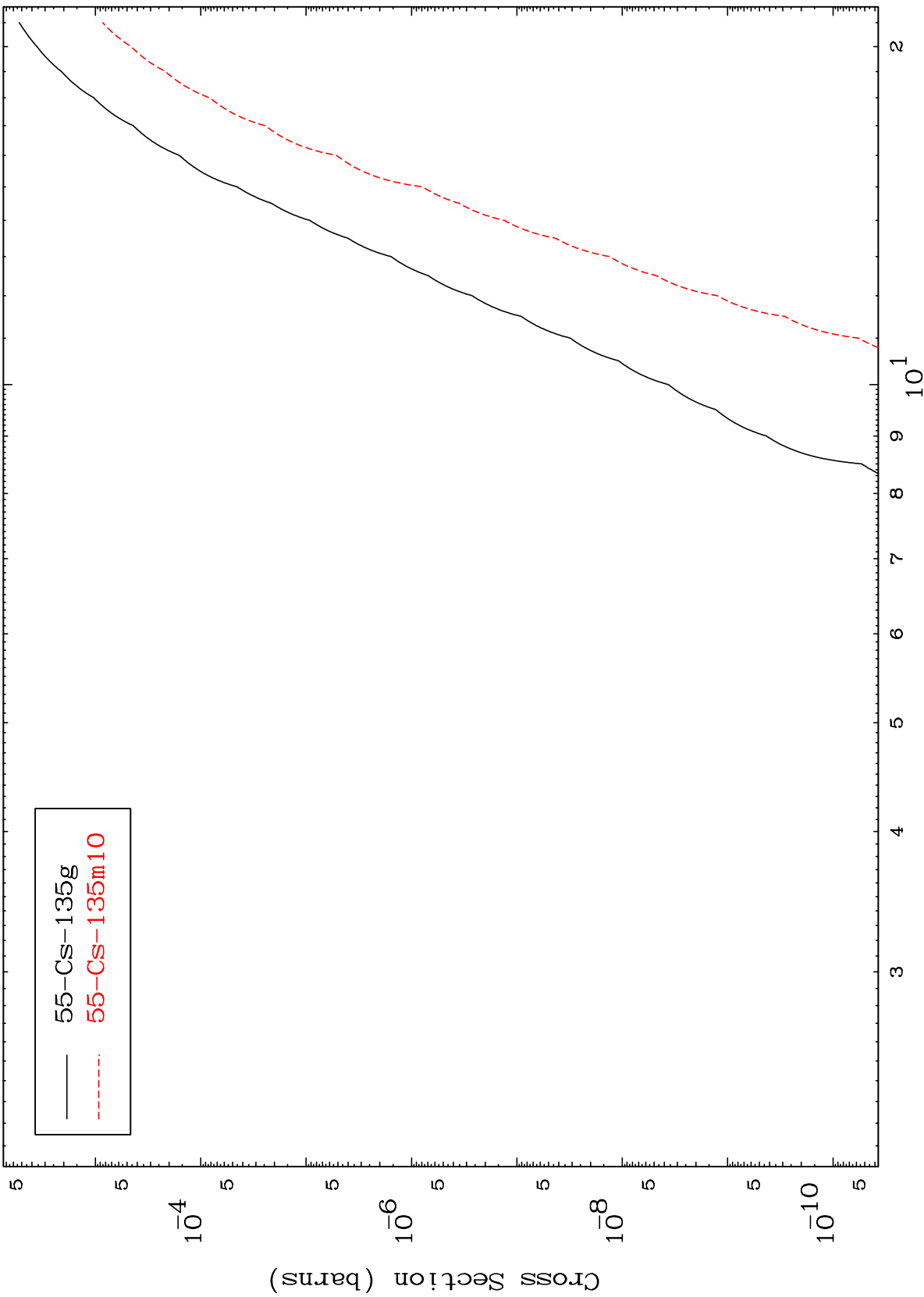


MAT 5728

$(n, n') \alpha$

57-La-139

Radionuclide Production Cross Section



107

Incident Energy (MeV)

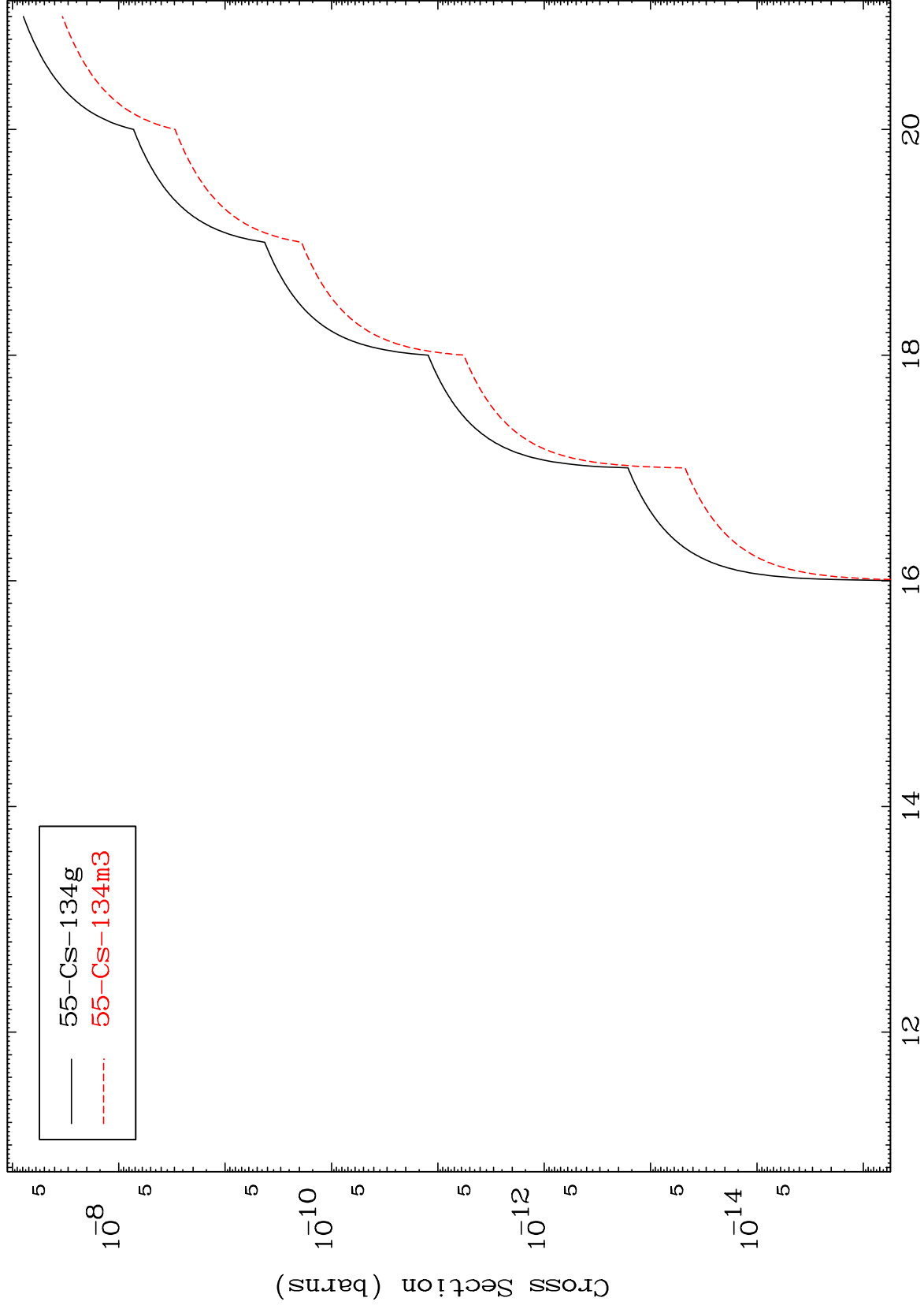
57-La-139

MAT 5728

(n,2n) α

57-La-139

Radionuclide Production Cross Section



108

Incident Energy (MeV)

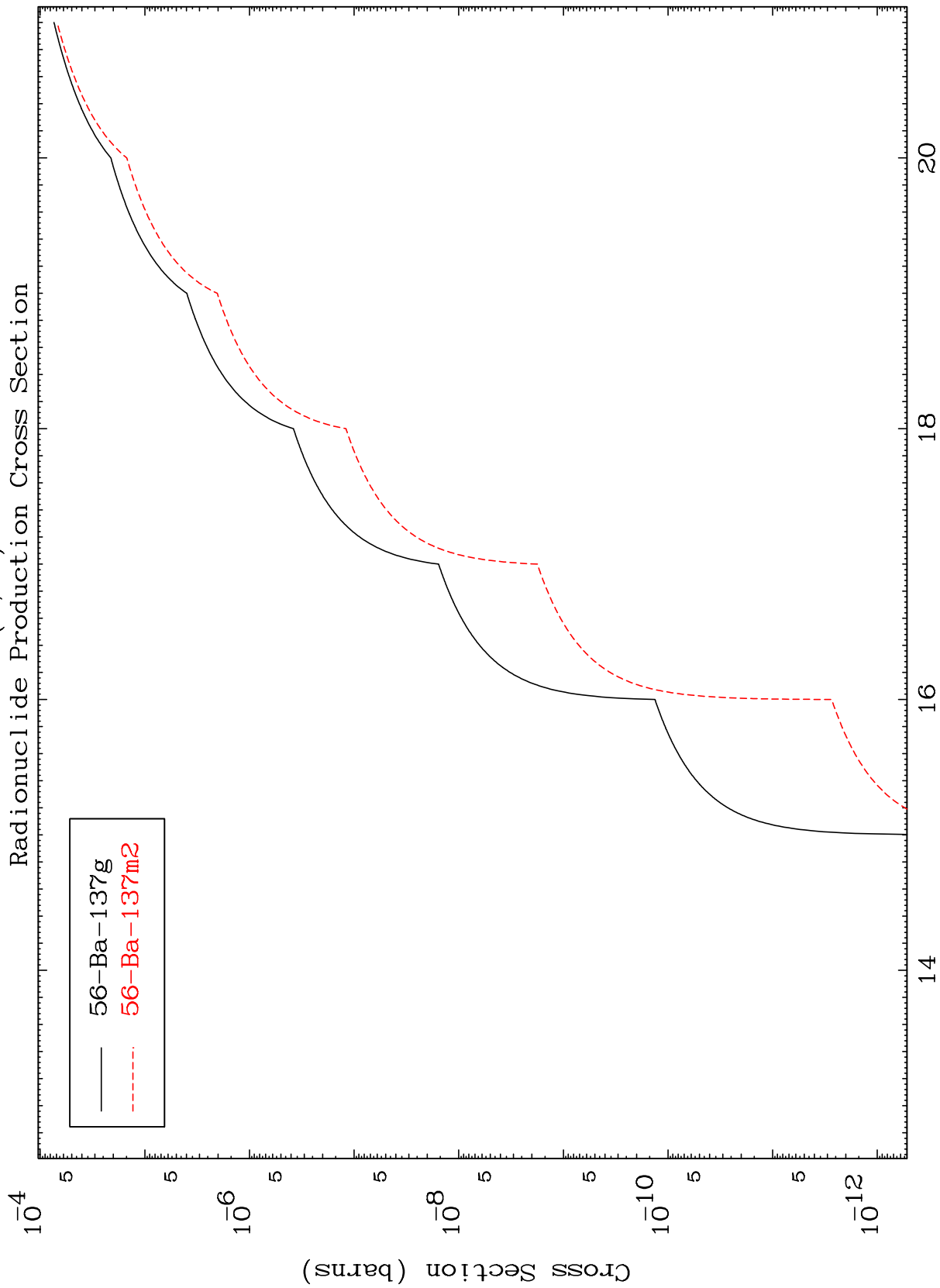
57-La-139

MAT 5728

(n,n') d

57-La-139

Radionuclide Production Cross Section



109

Incident Energy (MeV)

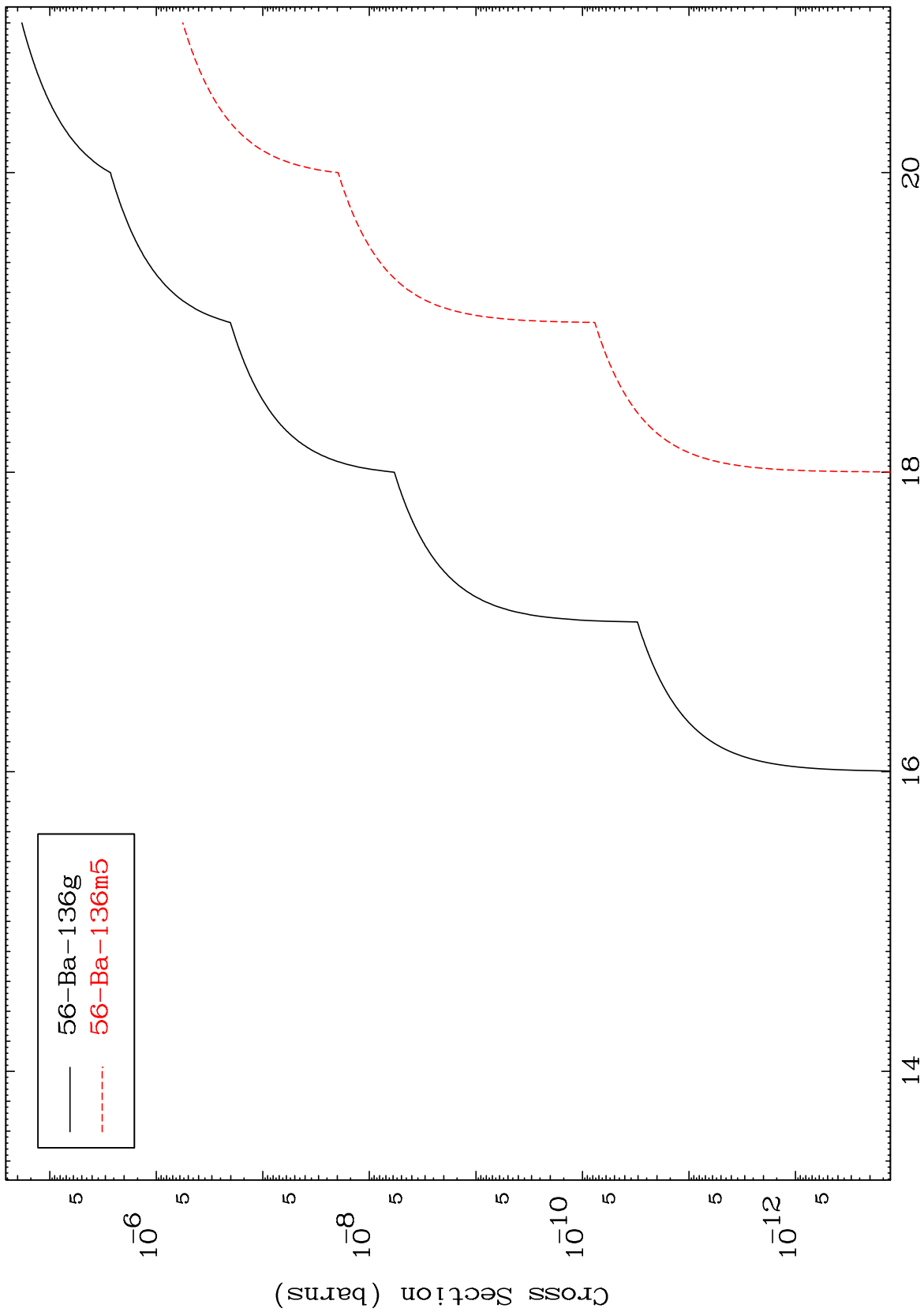
57-La-139

MAT 5728

(n,n') t

57-La-139

Radionuclide Production Cross Section



110

Incident Energy (MeV)

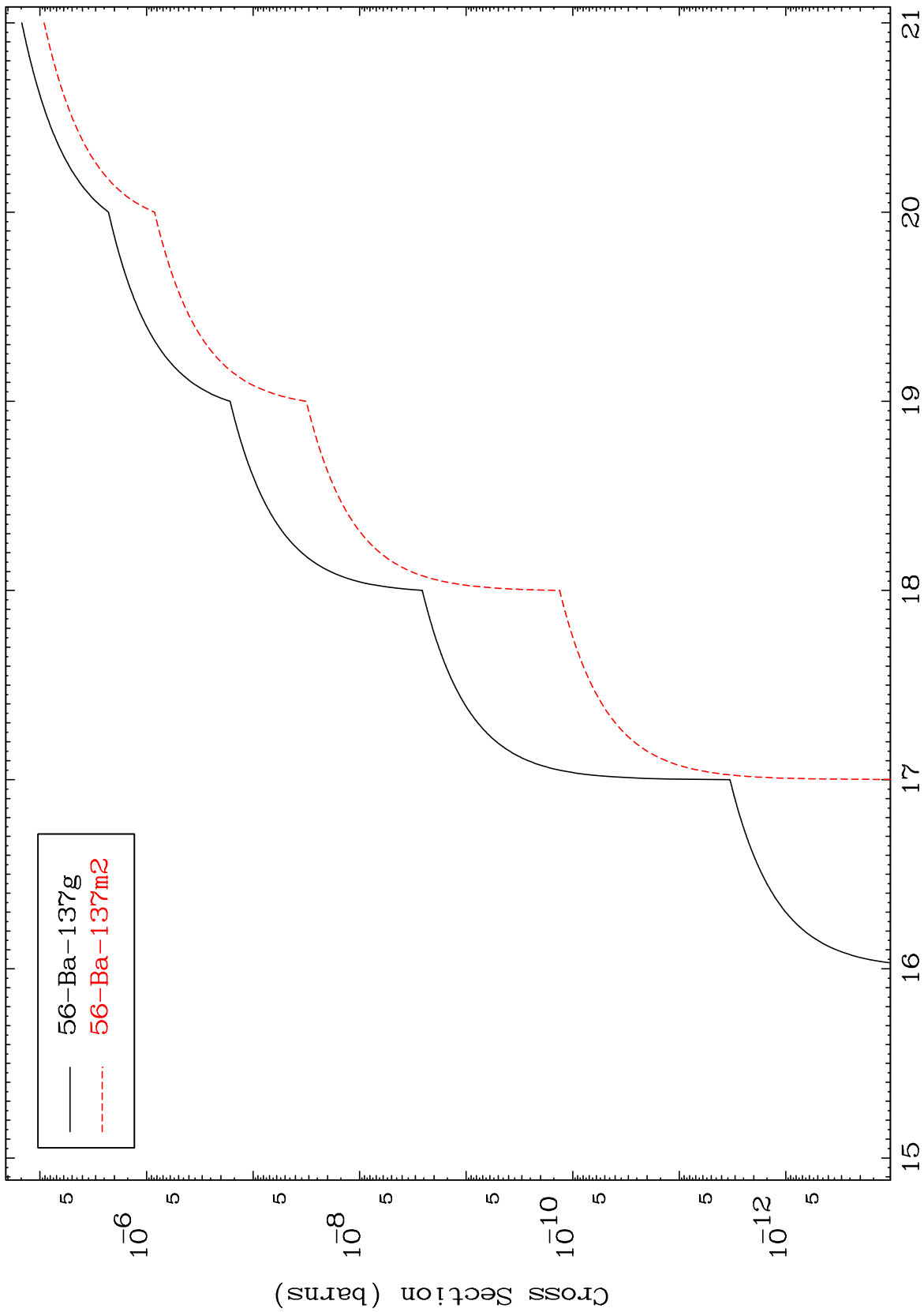
57-La-139

MAT 5728

(n,2n) p

57-La-139

Radionuclide Production Cross Section



111

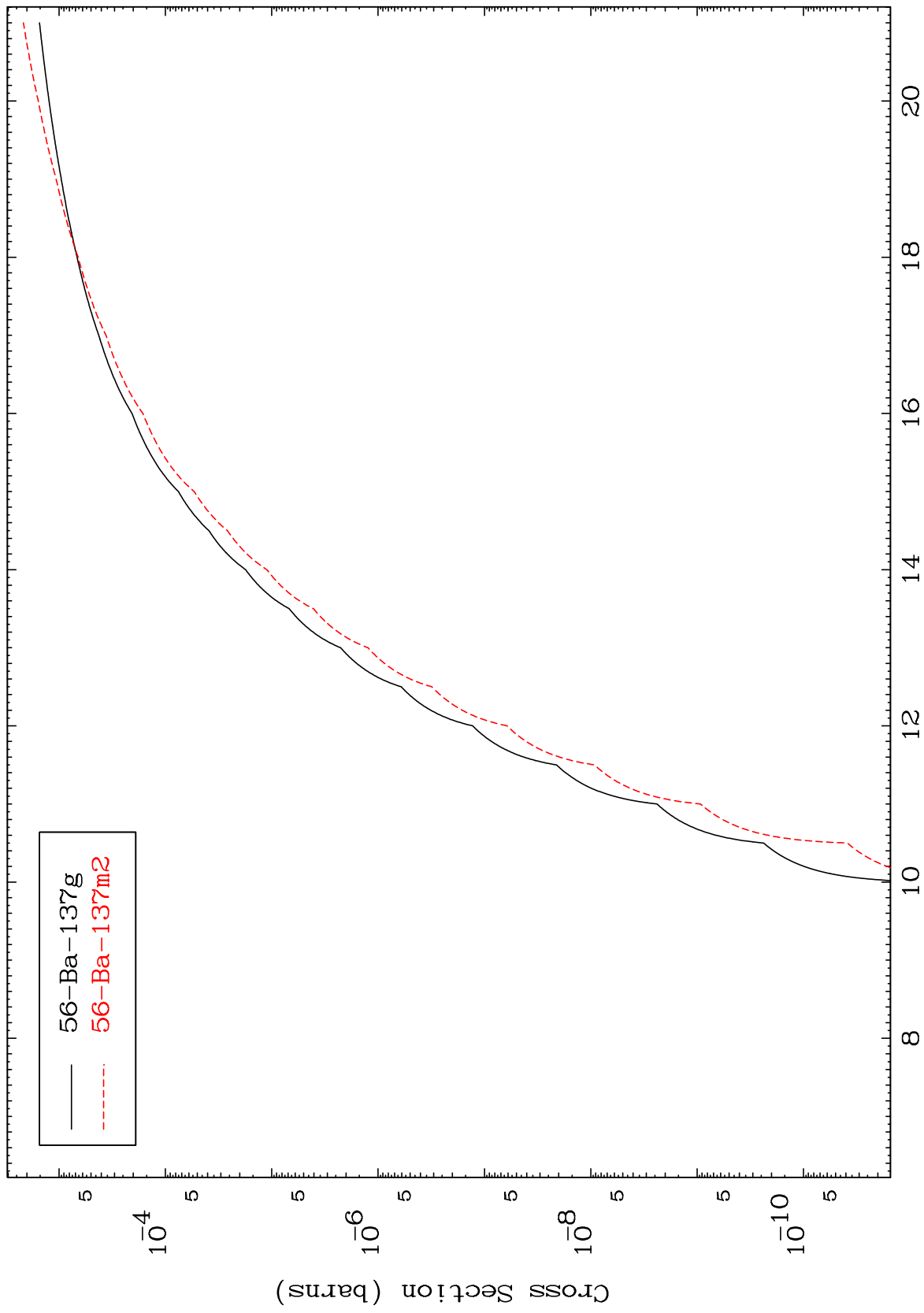
Incident Energy (MeV)

57-La-139

MAT 5728

57-La-139

(n, t)
Radionuclide Production Cross Section



112

Incident Energy (MeV)

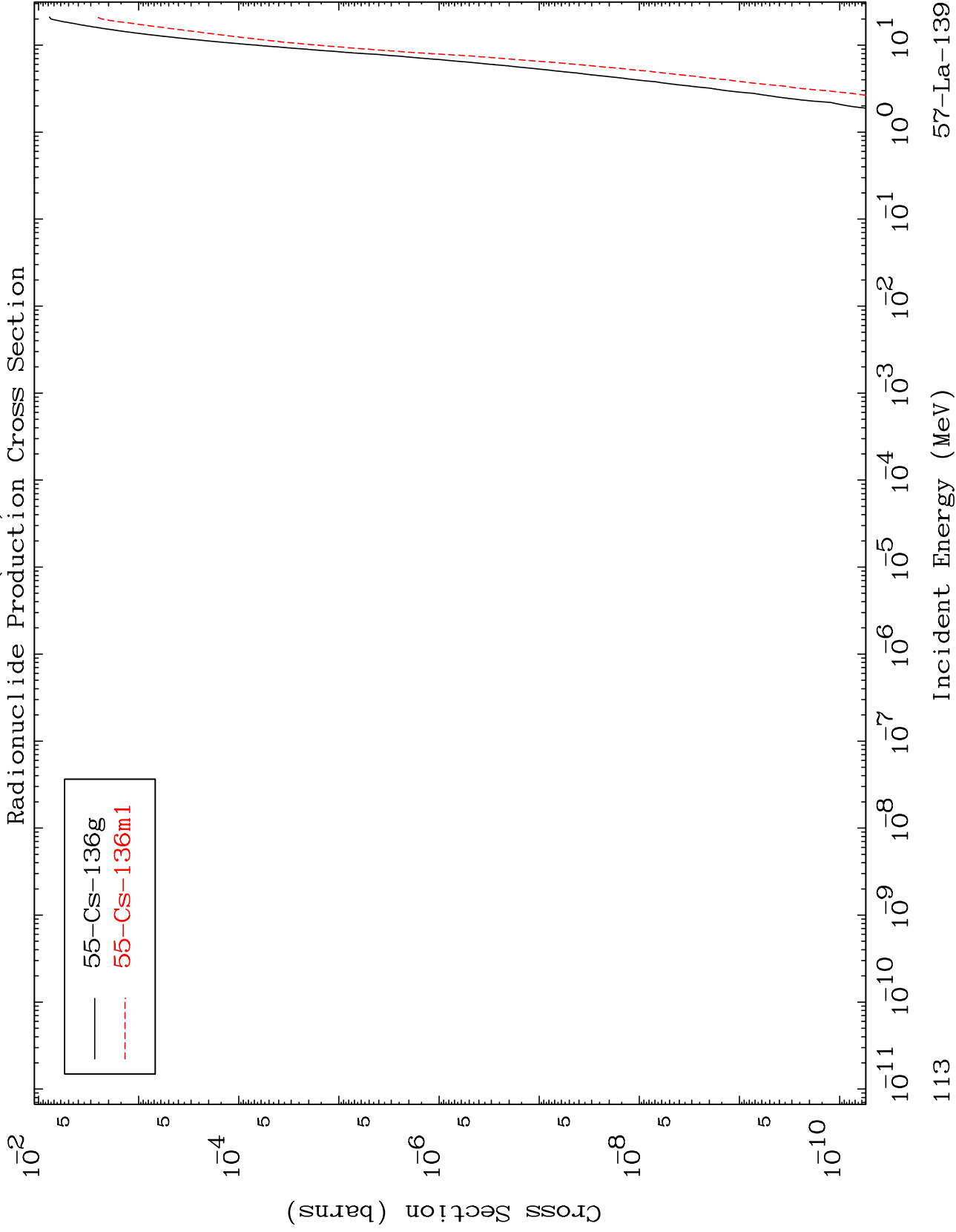
57-La-139

MAT 5728

(n, α)

57-La-139

Radionuclide Production Cross Section



113

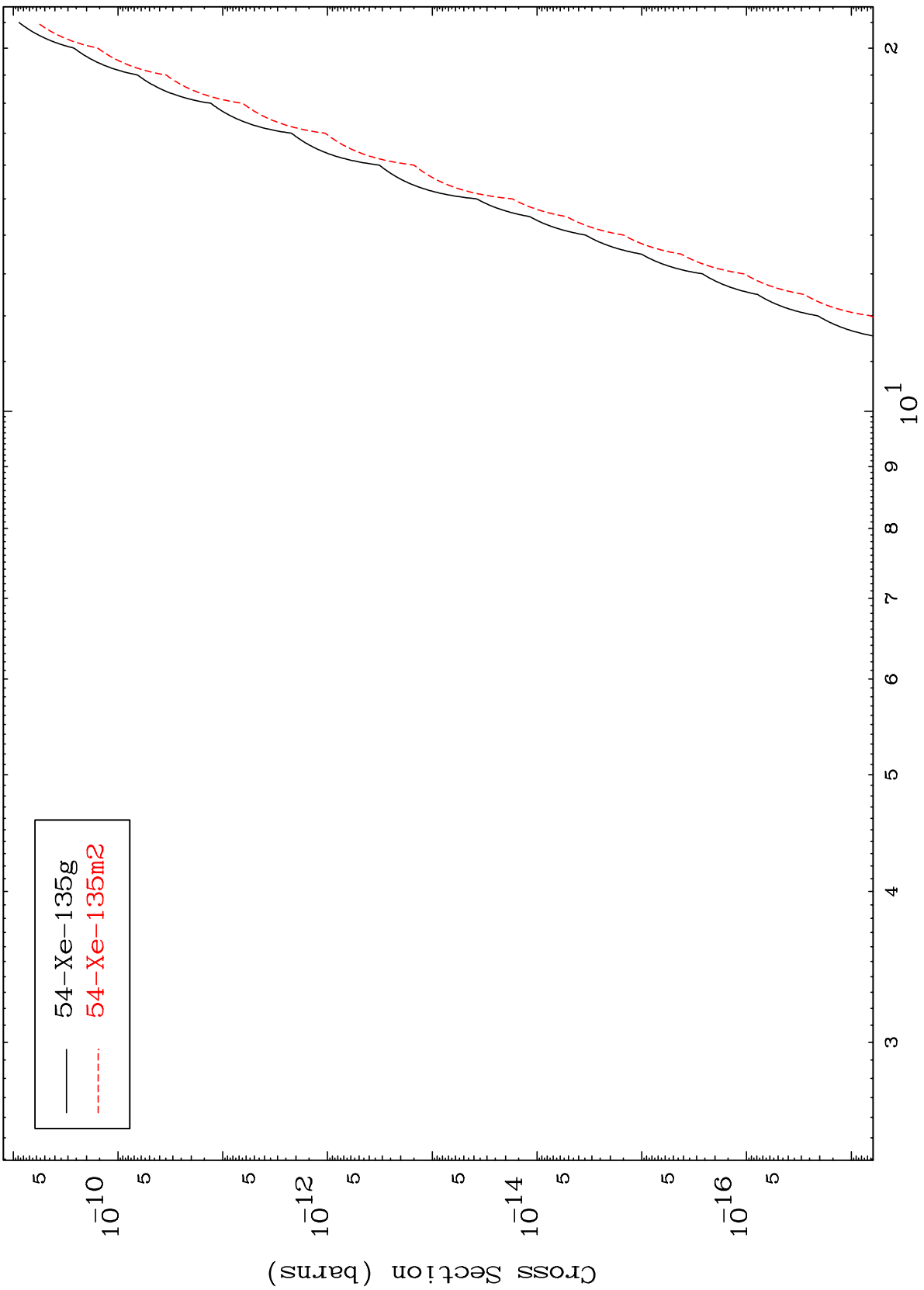
57-La-139

MAT 5728

(n,p) α

57-La-139

Radionuclide Production Cross Section



114

Incident Energy (MeV)

57-La-139