

Program EVALPLOT
(Version 2018-1)

by

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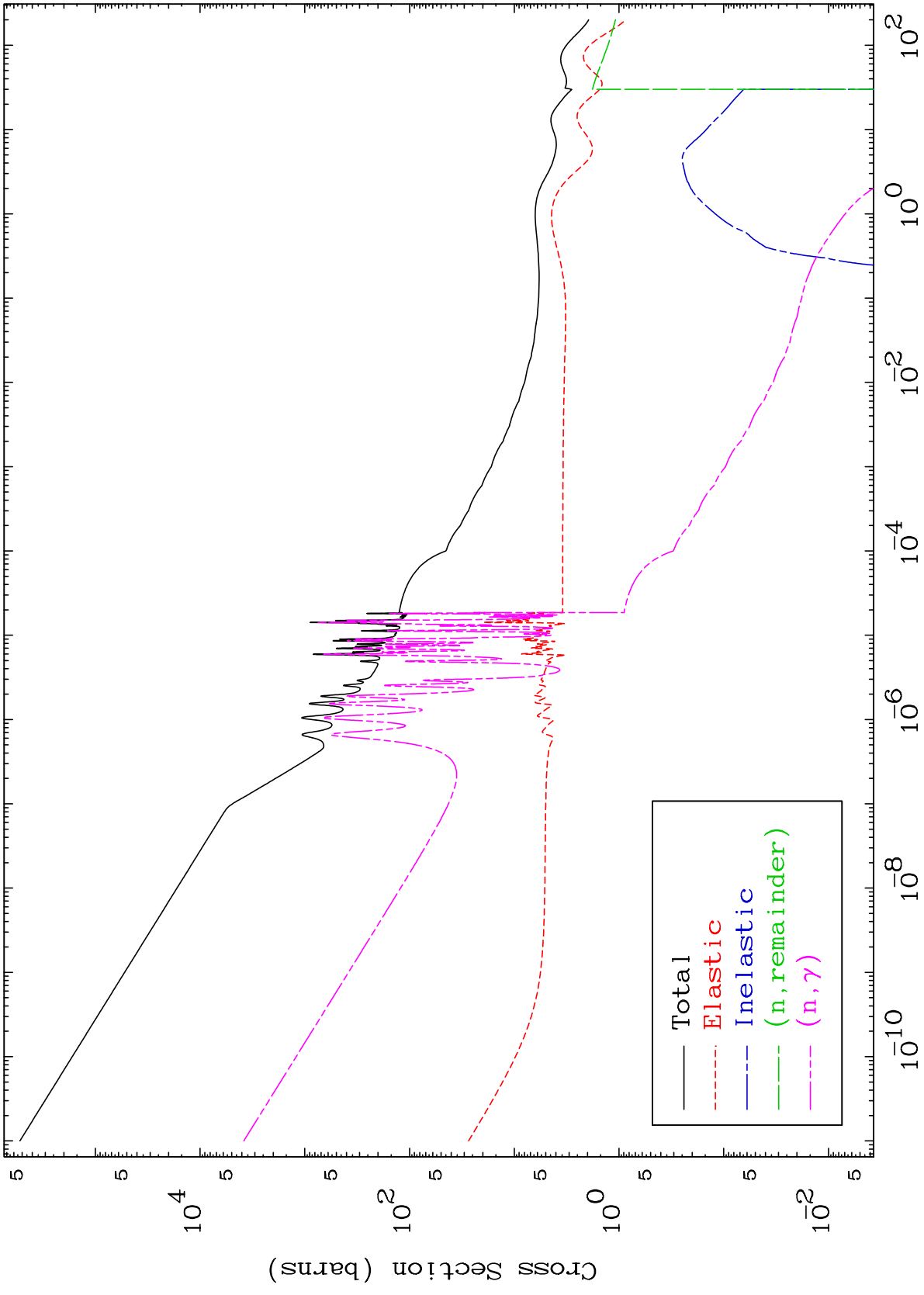
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5398

Major
293 Kelvin Cross Sections

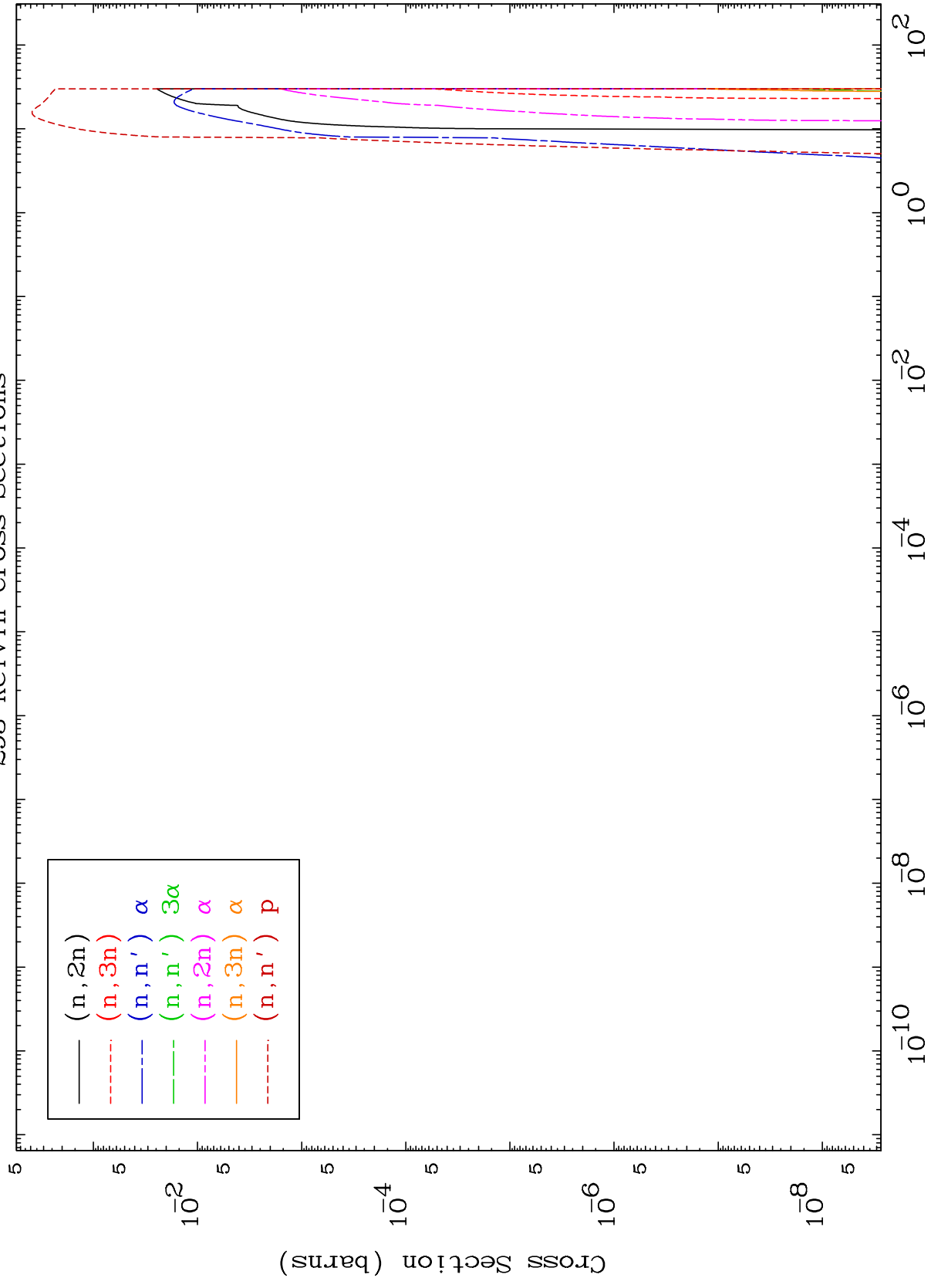
54-Xe-115



MAT 5398

Neutron Production
293 Kelvin Cross Sections

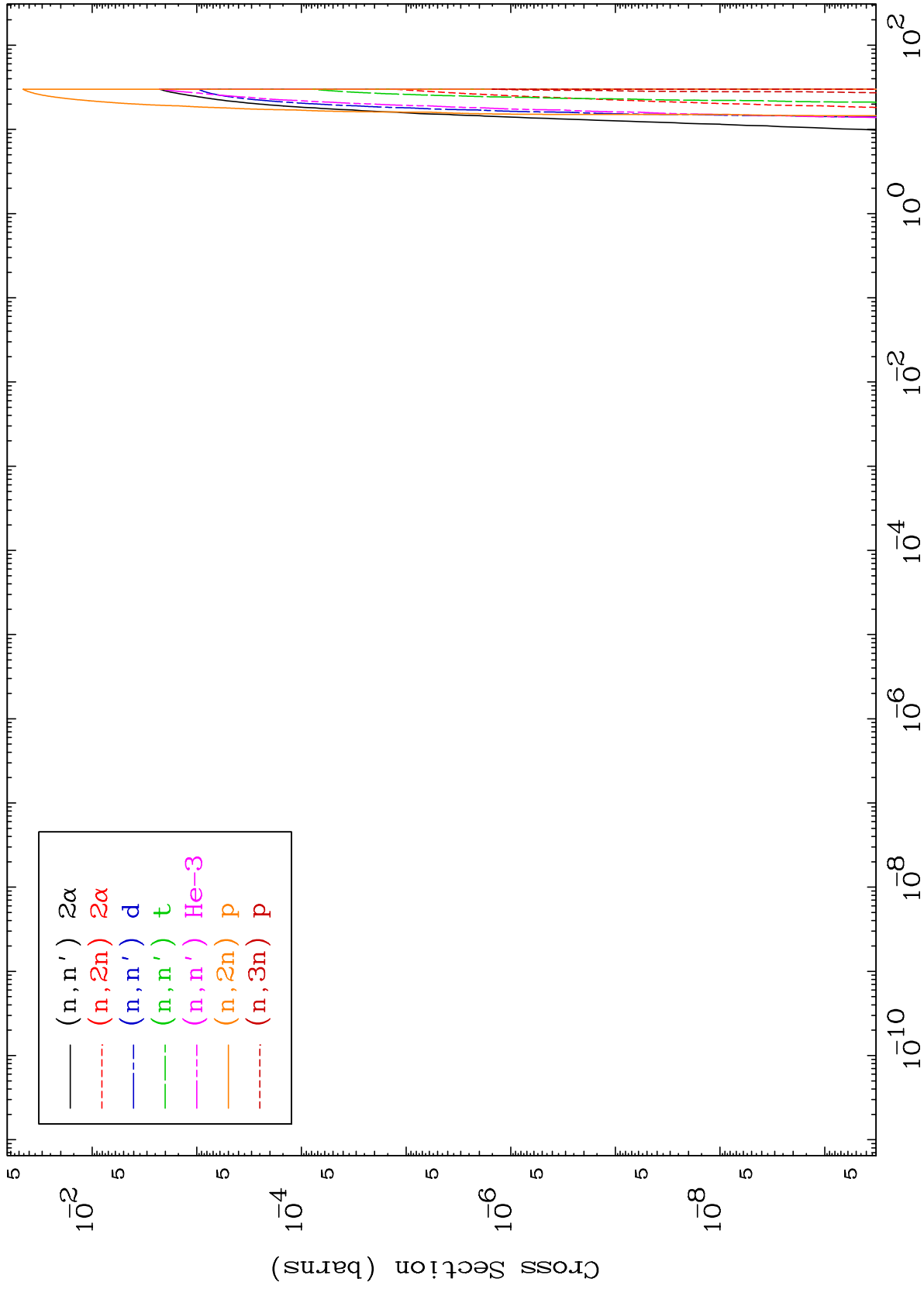
54-Xe-115



MAT 5398

Neutron Production
293 Kelvin Cross Sections

54-Xe-115



3

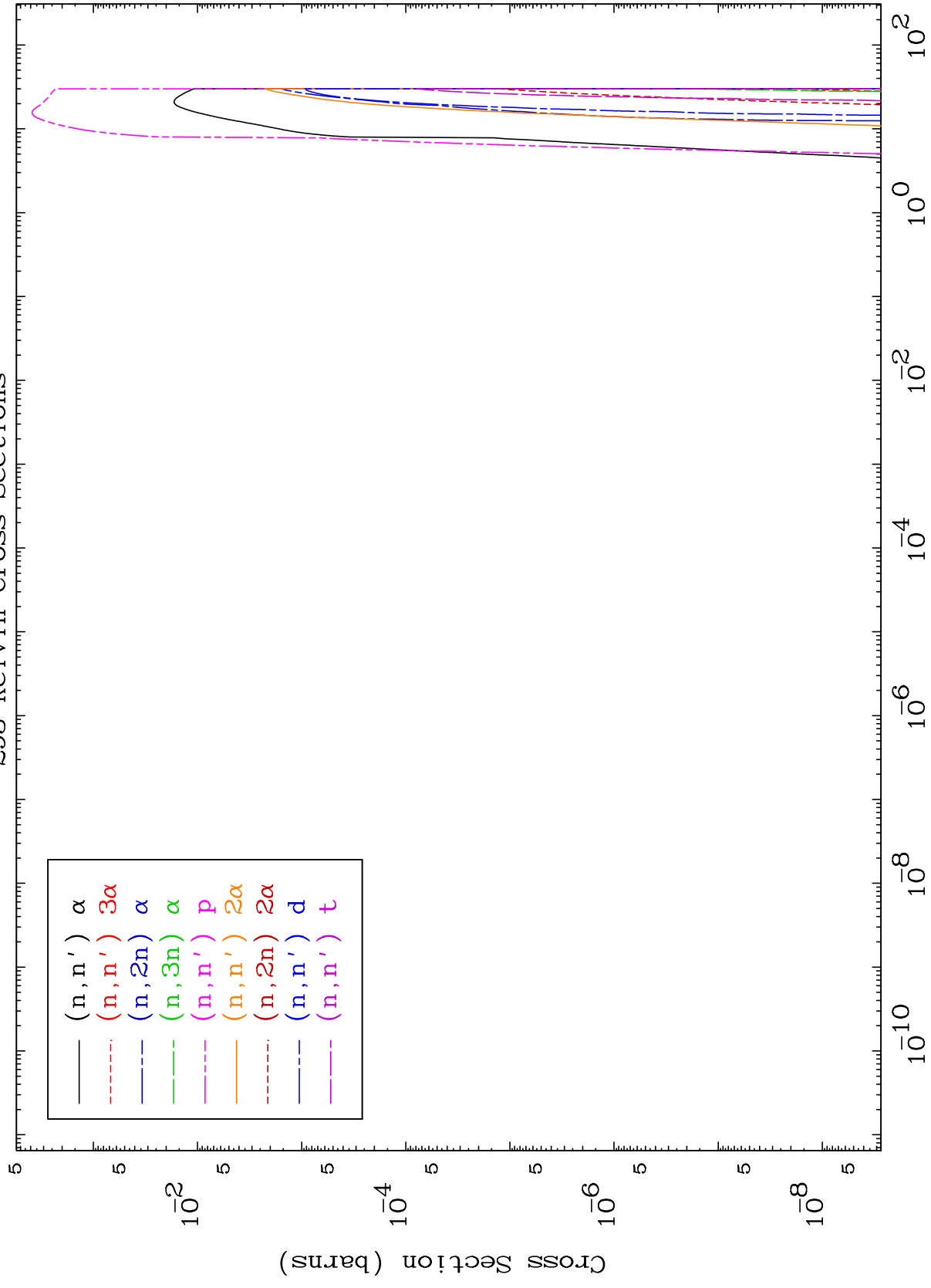
Incident Energy (MeV)

54-Xe-115

MAT 5398

293 Charged Particle
Kelvin Cross Sections

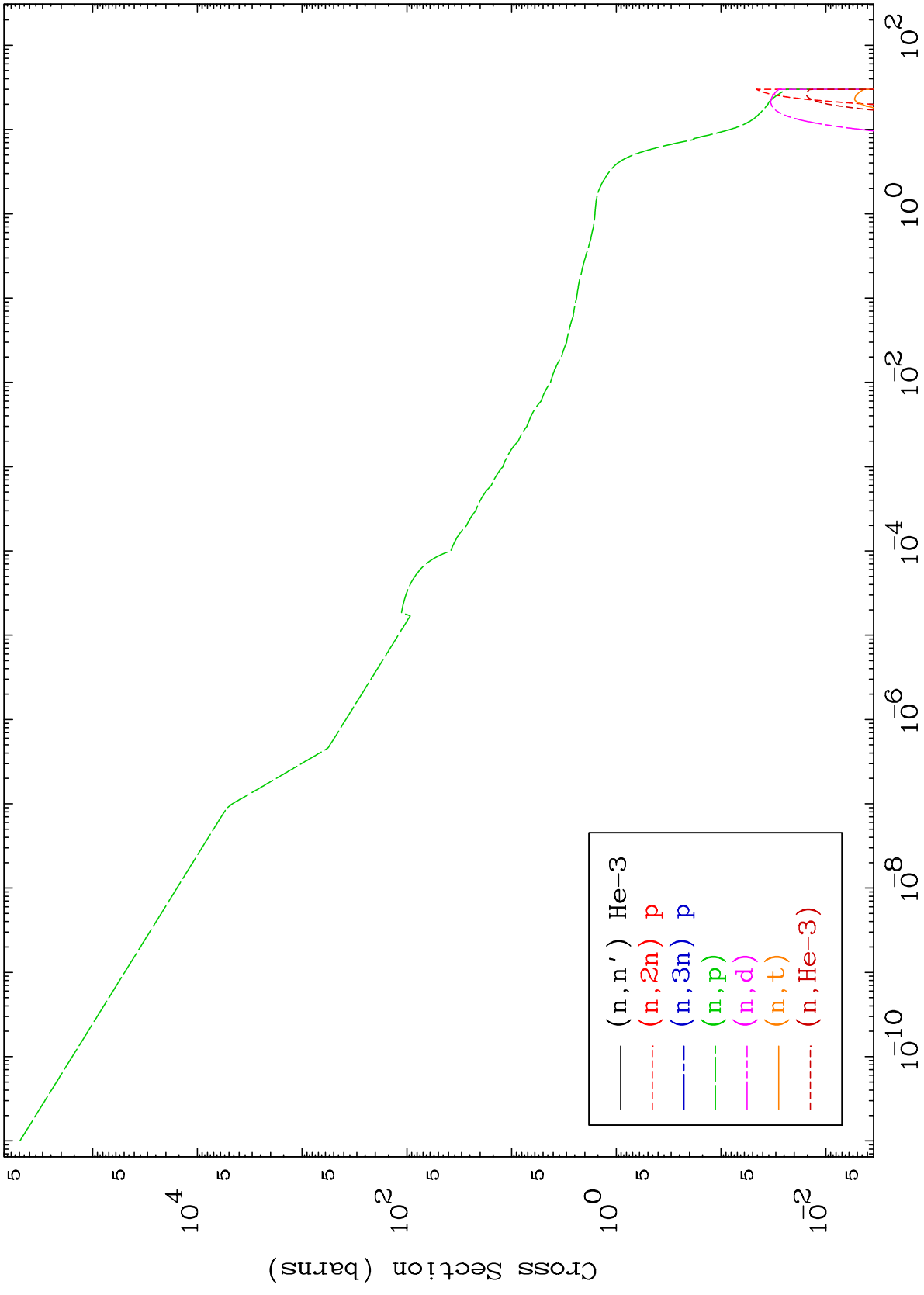
54-Xe-115



MAT 5398

Charged Particle
293 Kelvin Cross Sections

54-Xe-115



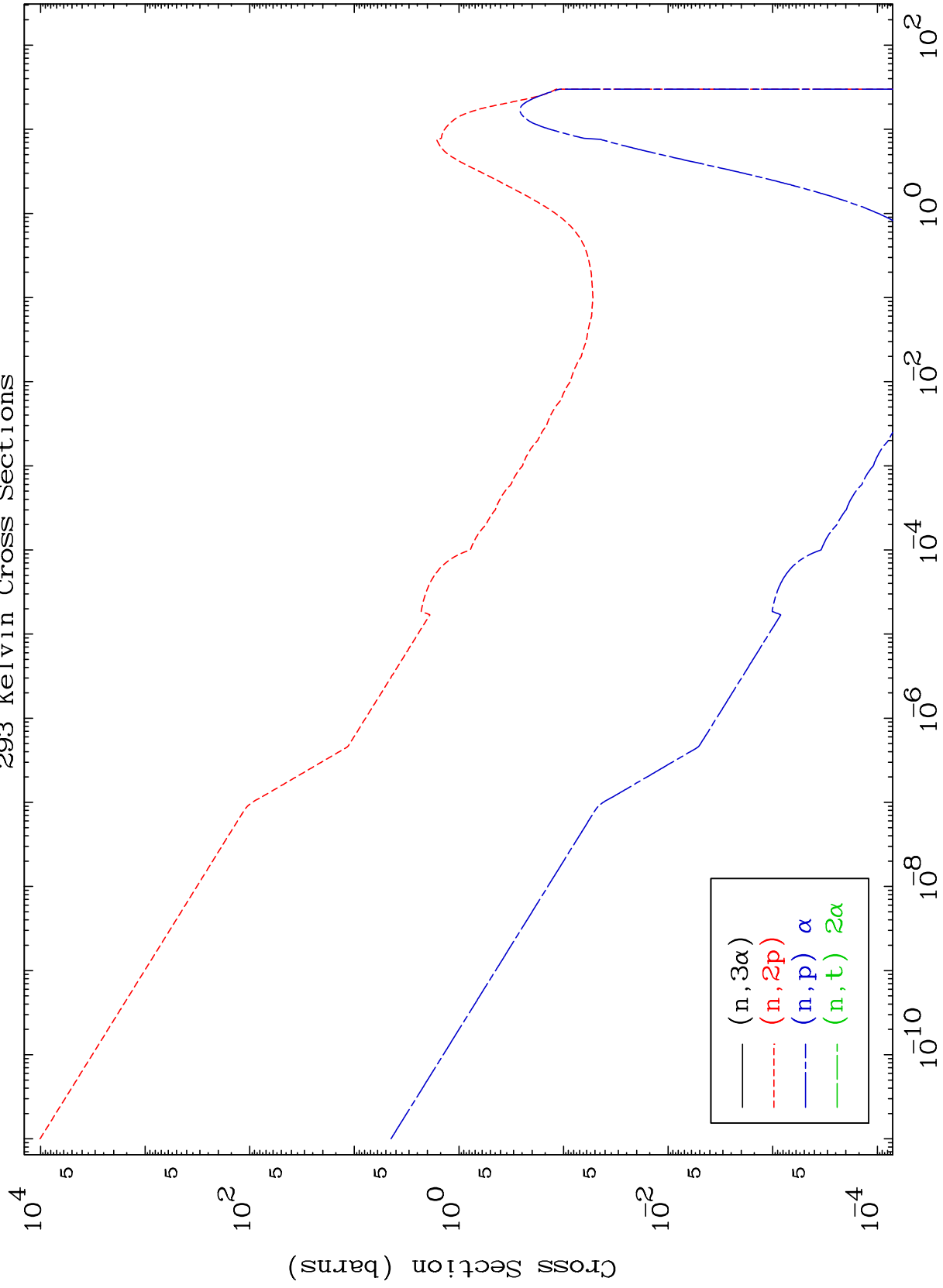
5

54-Xe-115

MAT 5398

Charged Particle
293 Kelvin Cross Sections

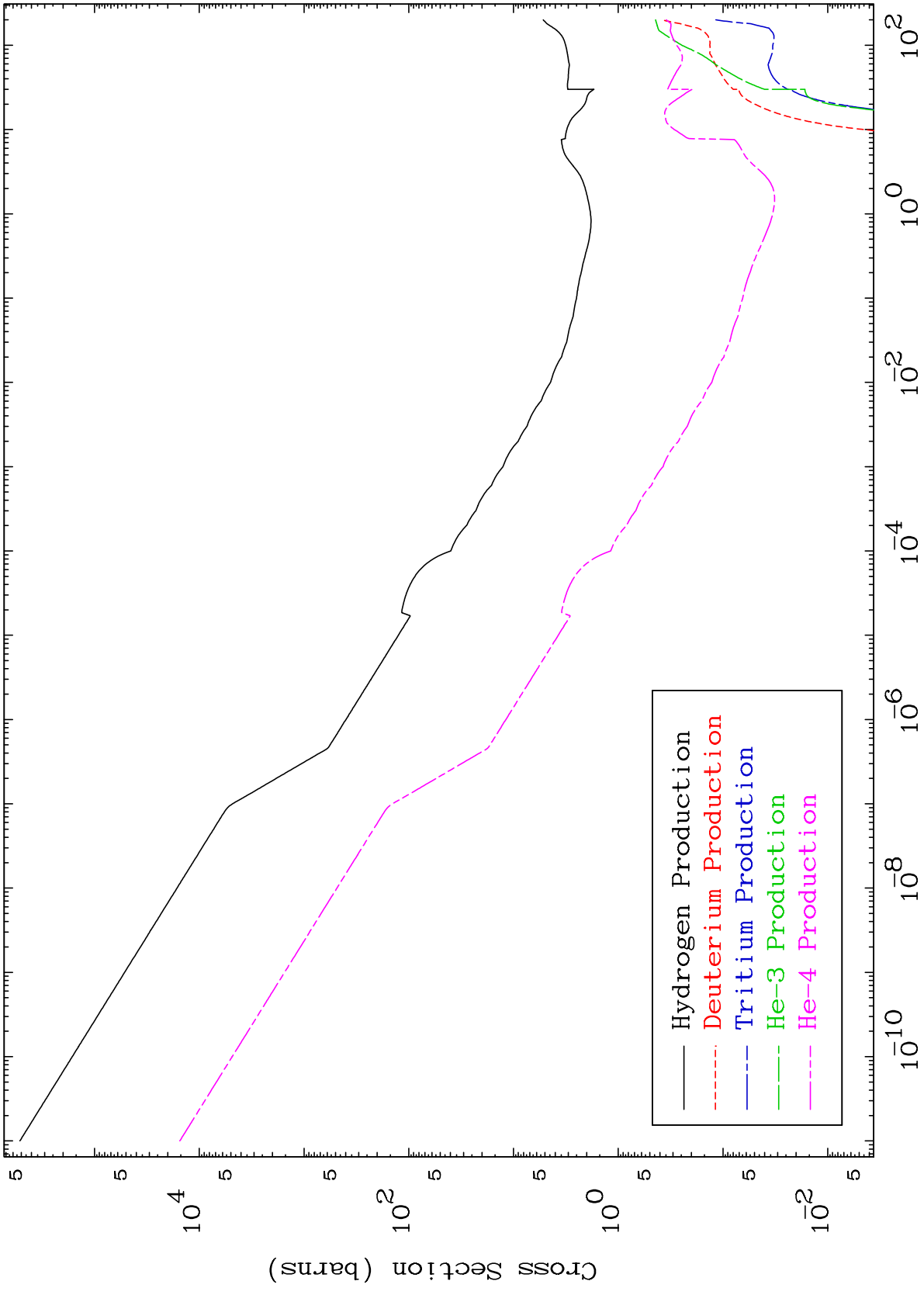
54-Xe-115



MAT 5398

Particle Production
293 Kelvin Cross Sections

54-Xe-115



7

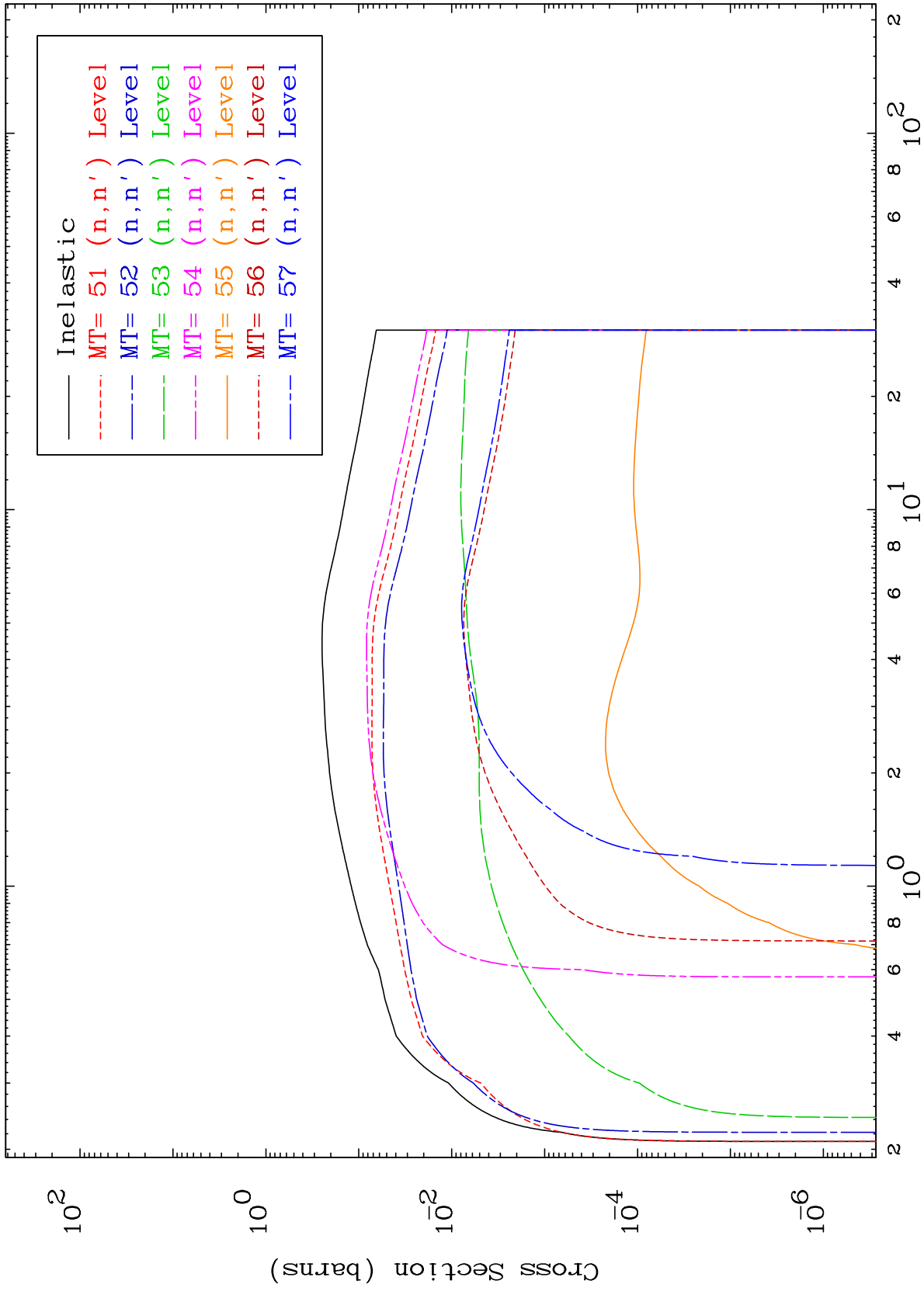
54-Xe-115

MAT 5398

(n,n') Level

54-Xe-115

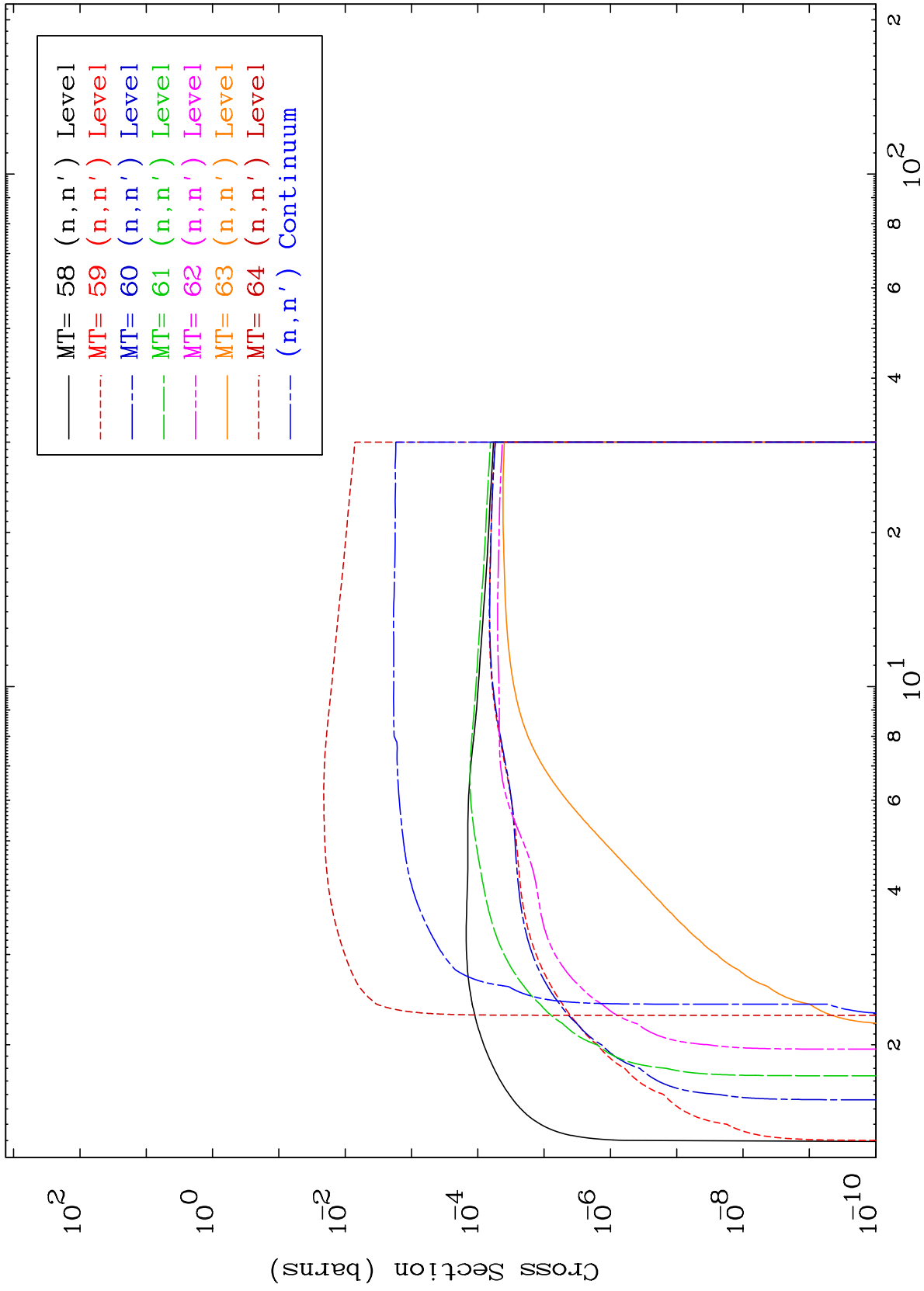
293 Kelvin Cross Sections



8

Incident Energy (MeV)

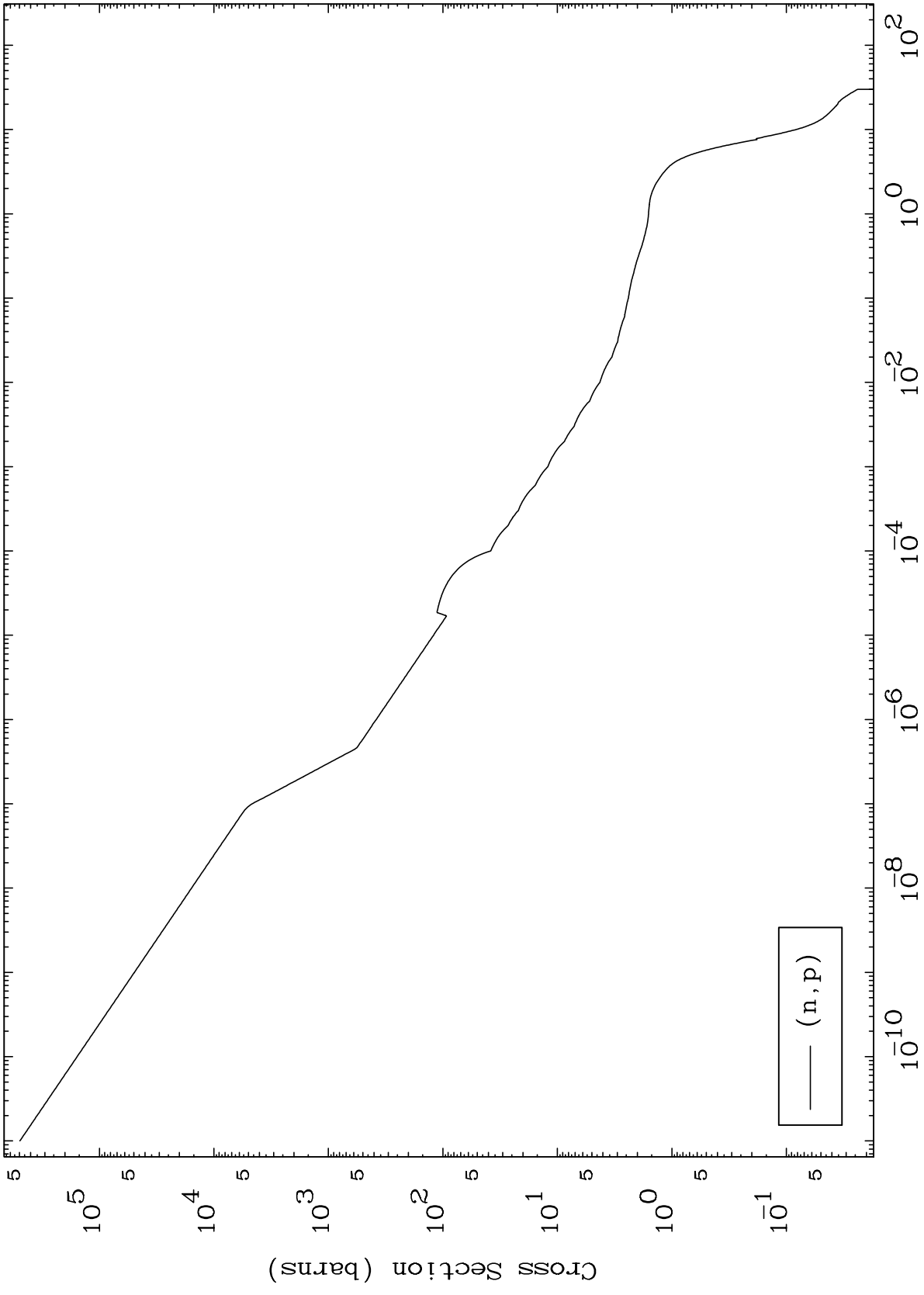
54-Xe-115



MAT 5398

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-115



— (n, p)

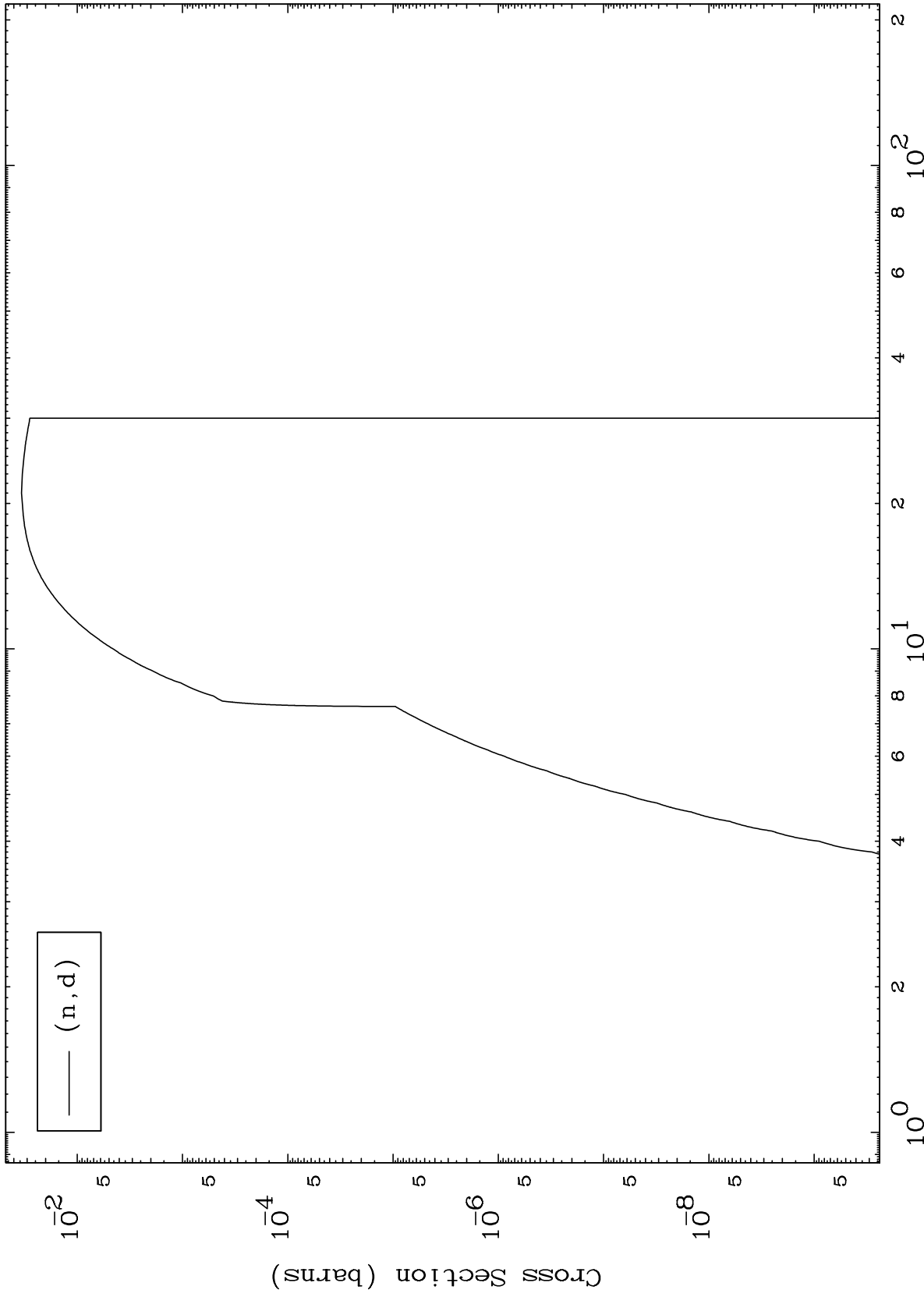
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54-Xe-115

MAT 5398

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-115



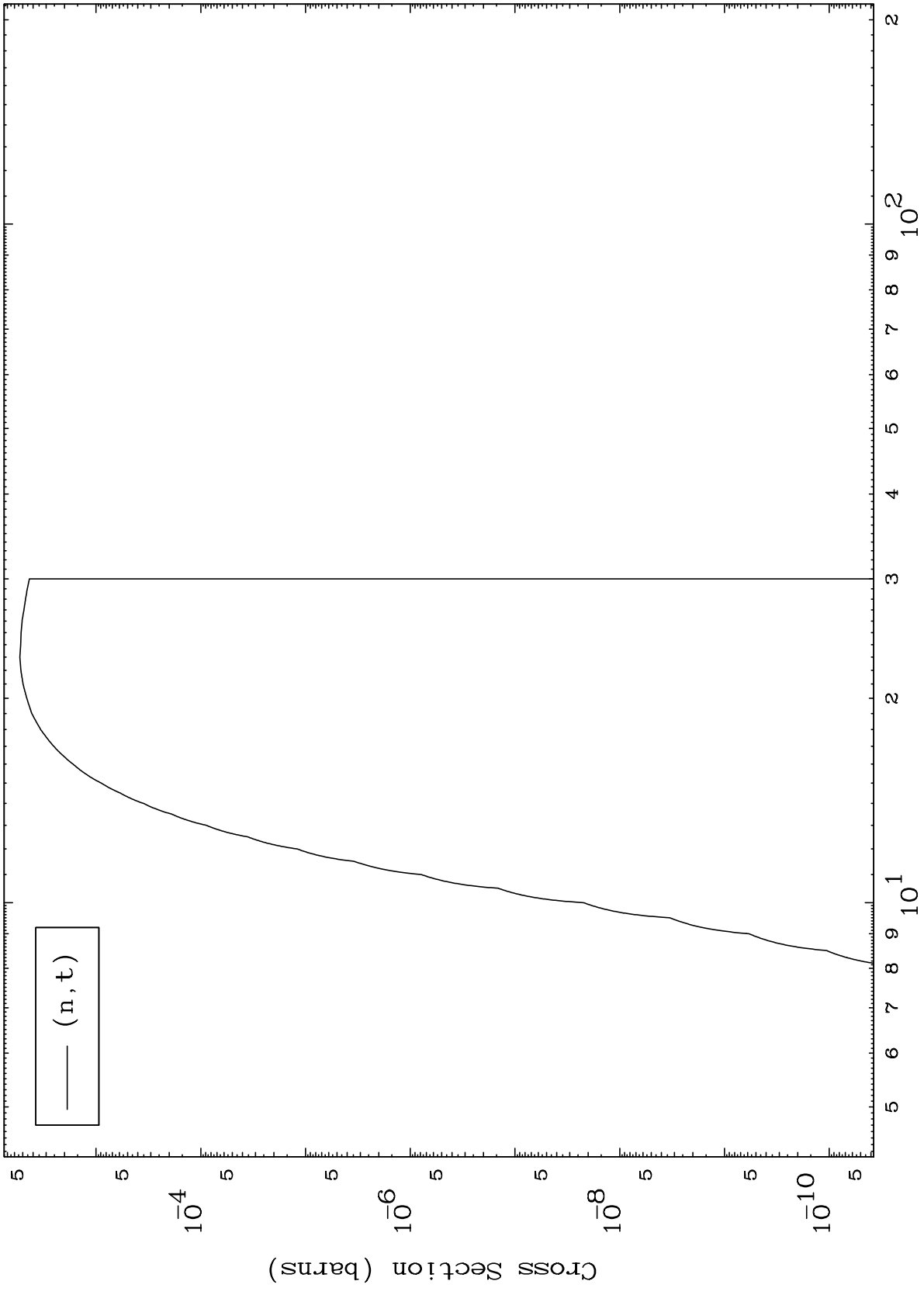
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54-Xe-115

MAT 5398

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-115



12

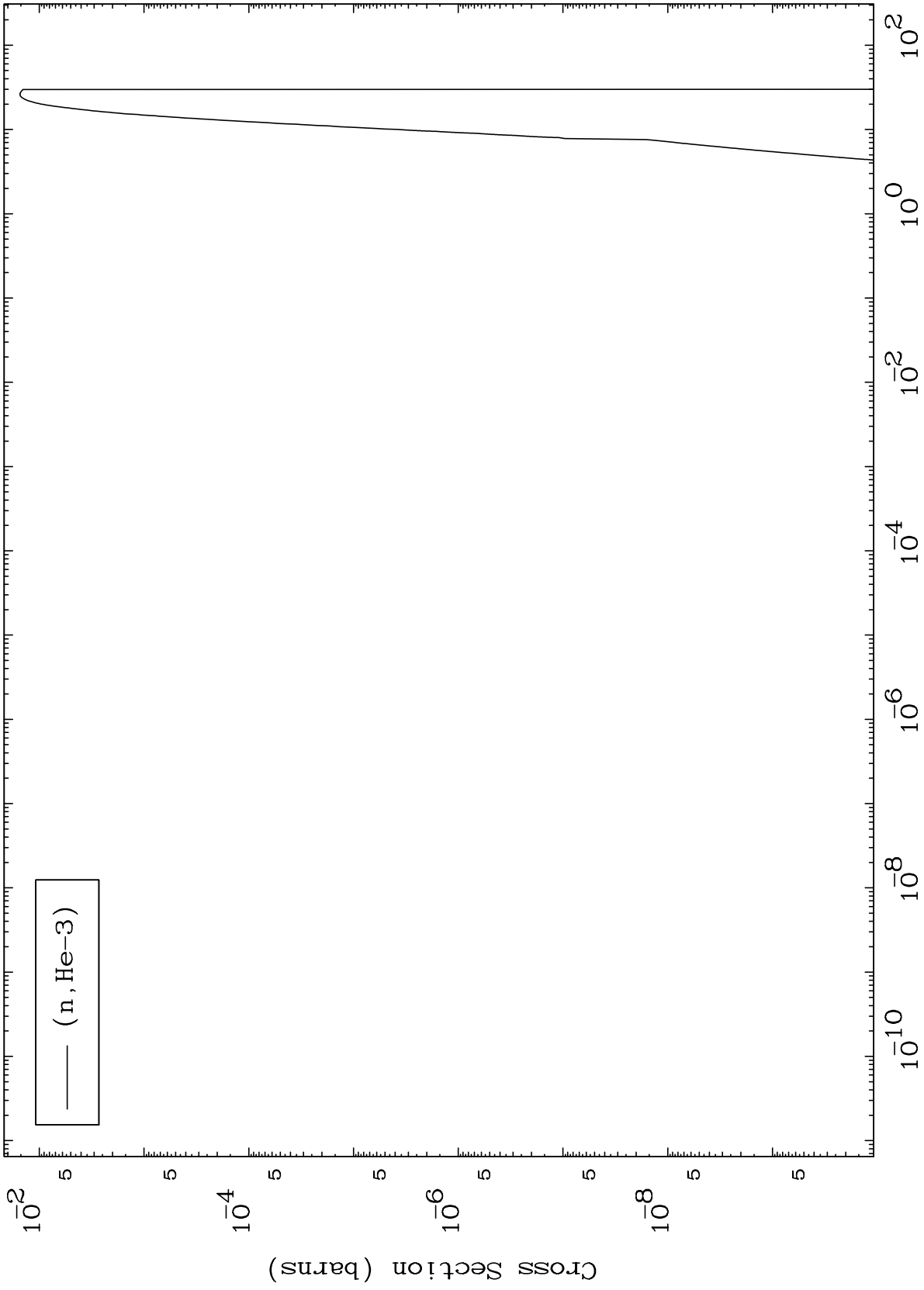
Incident Energy (MeV)

54-Xe-115

MAT 5398

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-115



13

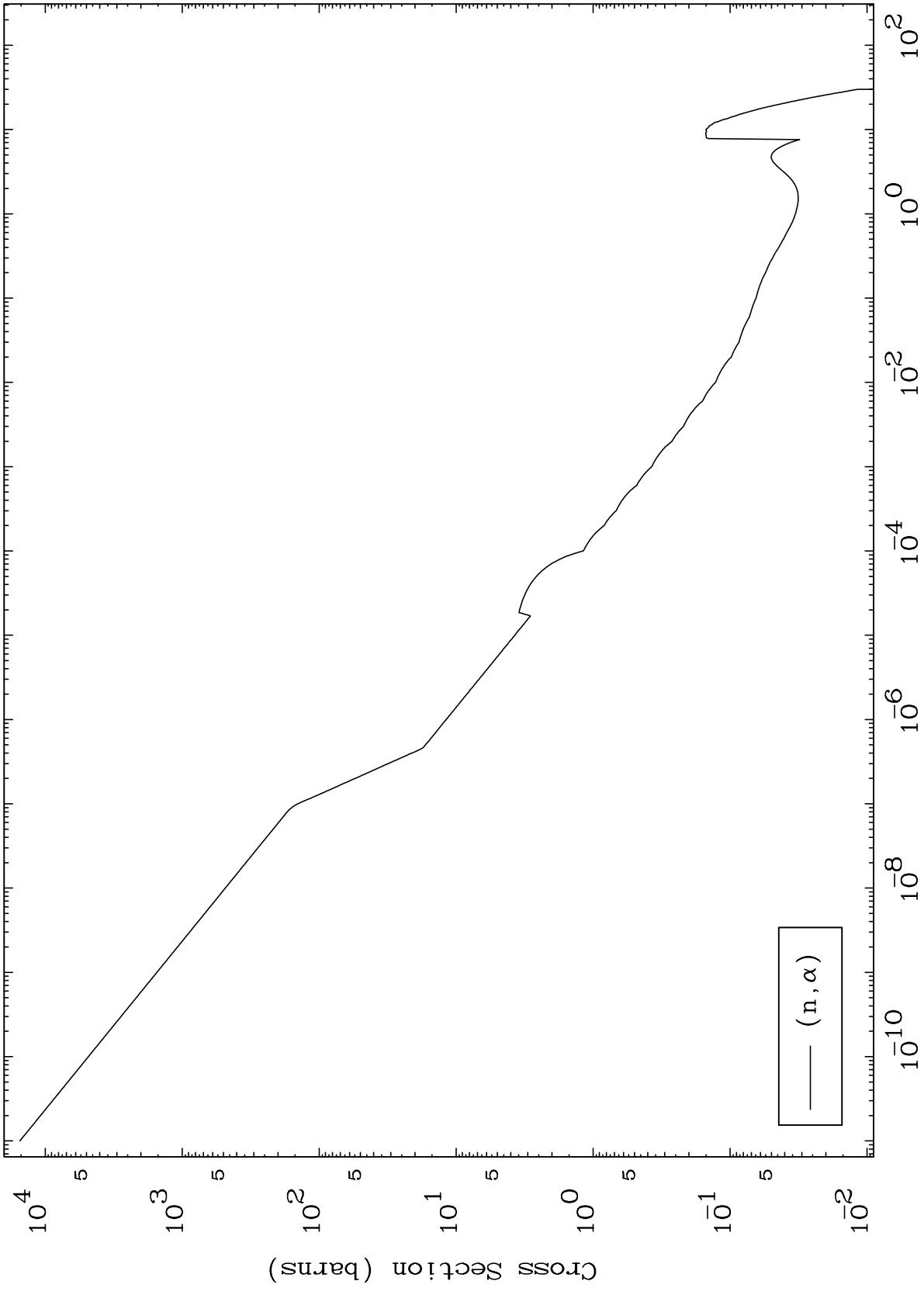
Incident Energy (MeV)

54-Xe-115

MAT 5398

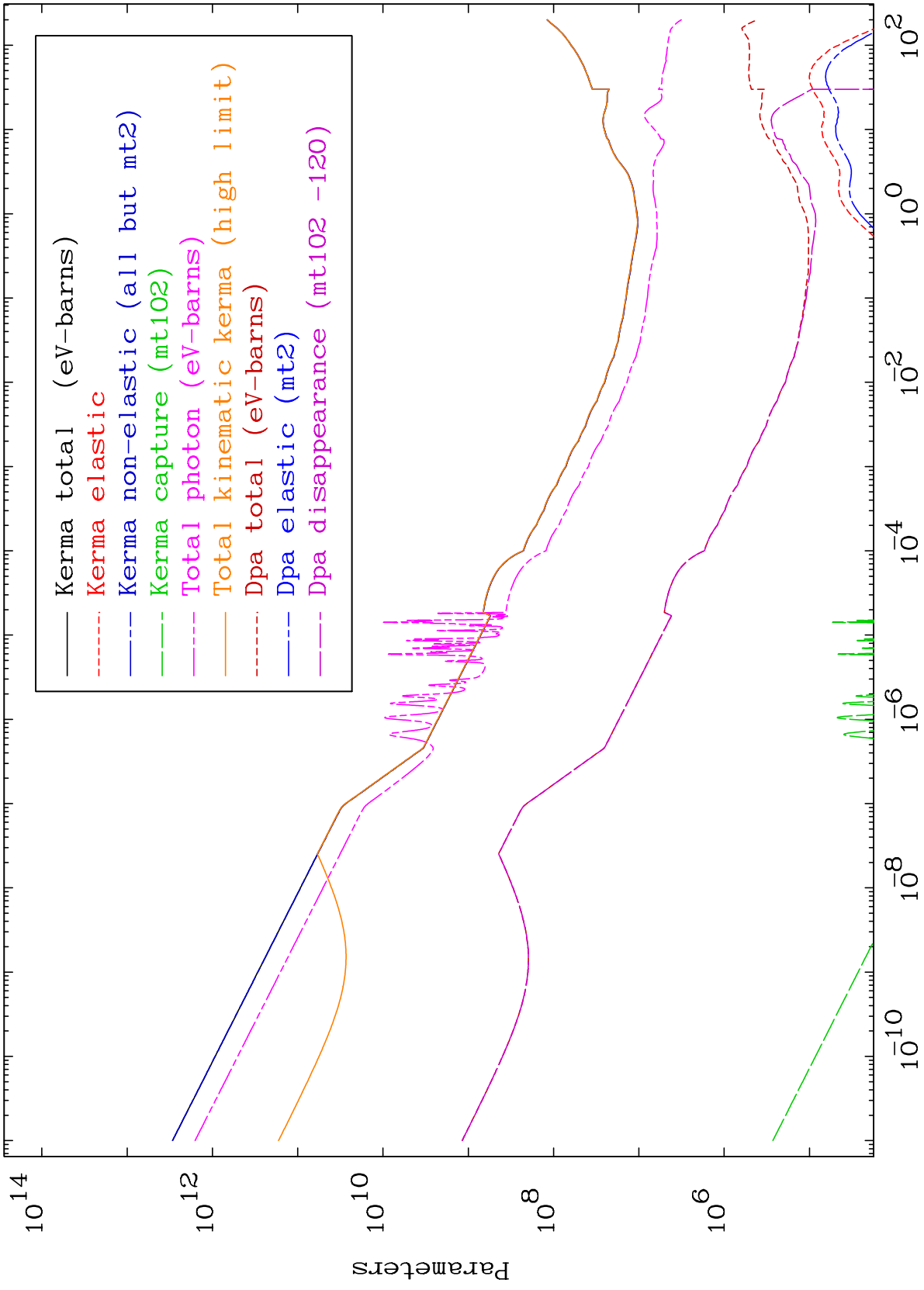
(n,α) Levels
293 Kelvin Cross Sections

54-Xe-115



14

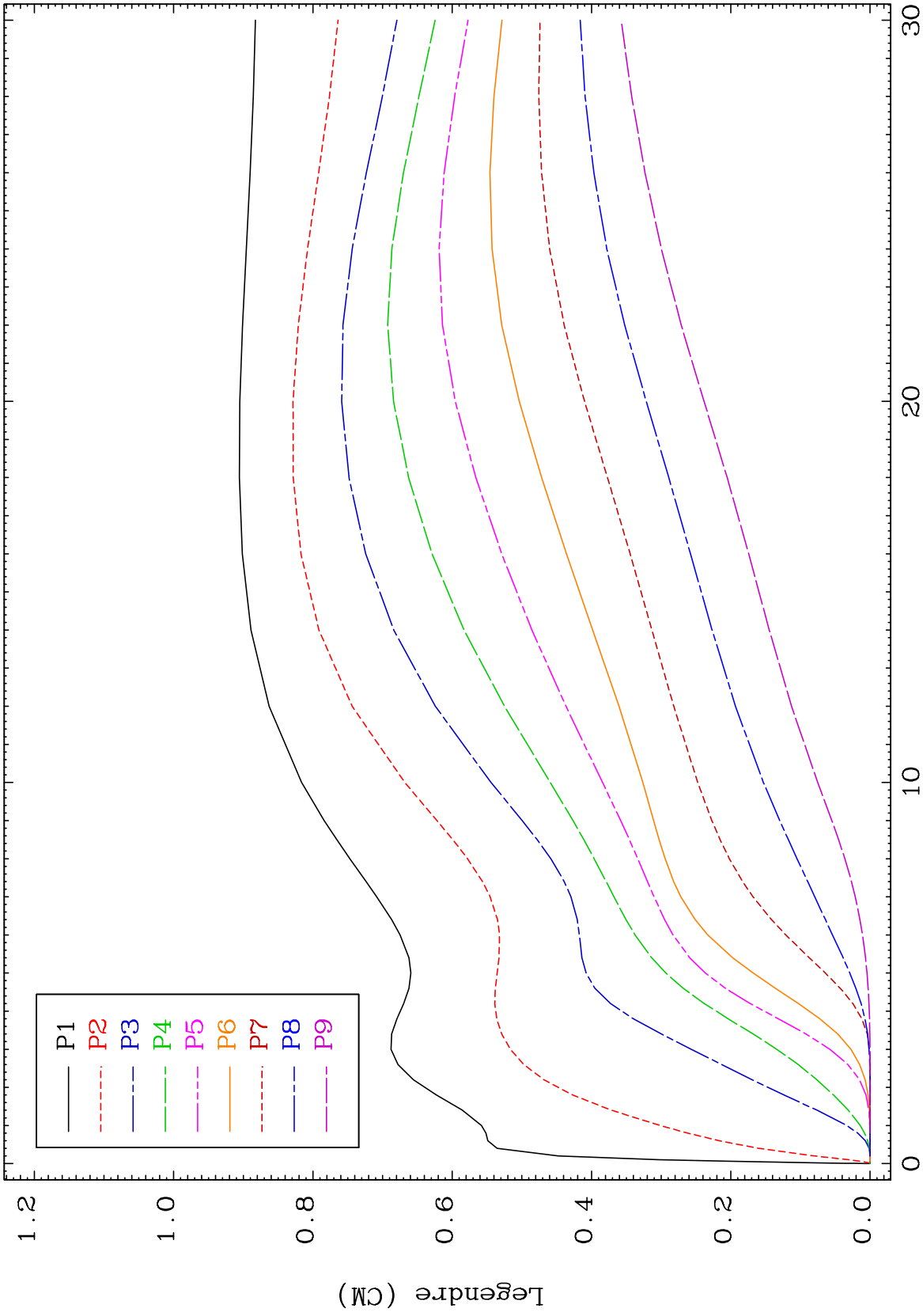
54-Xe-115



MAT 5398

Elastic Legendre Coefficients

54-Xe-115



16

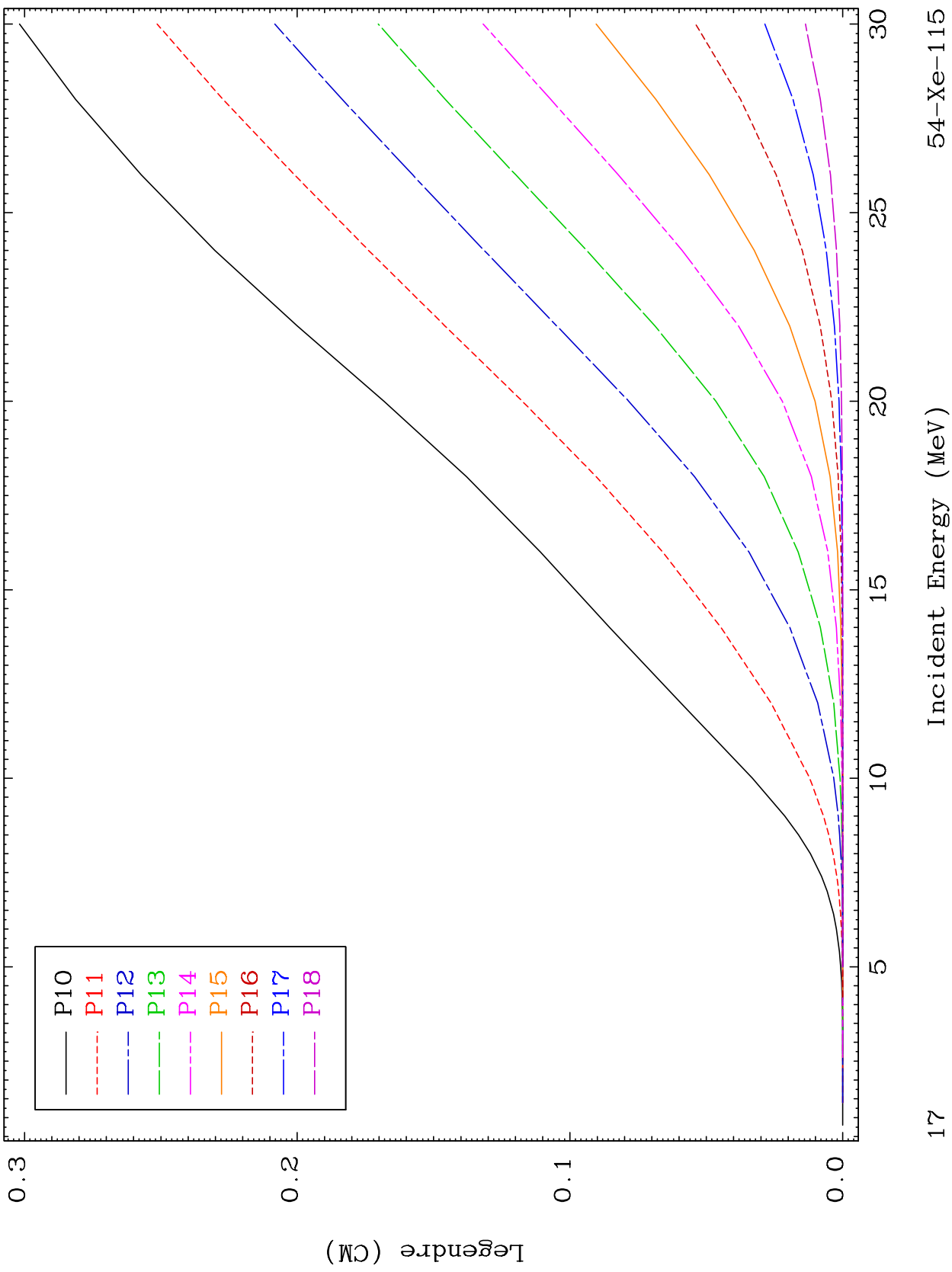
Incident Energy (MeV)

54-Xe-115

MAT 5398

Elastic Legendre Coefficients

54-Xe-115



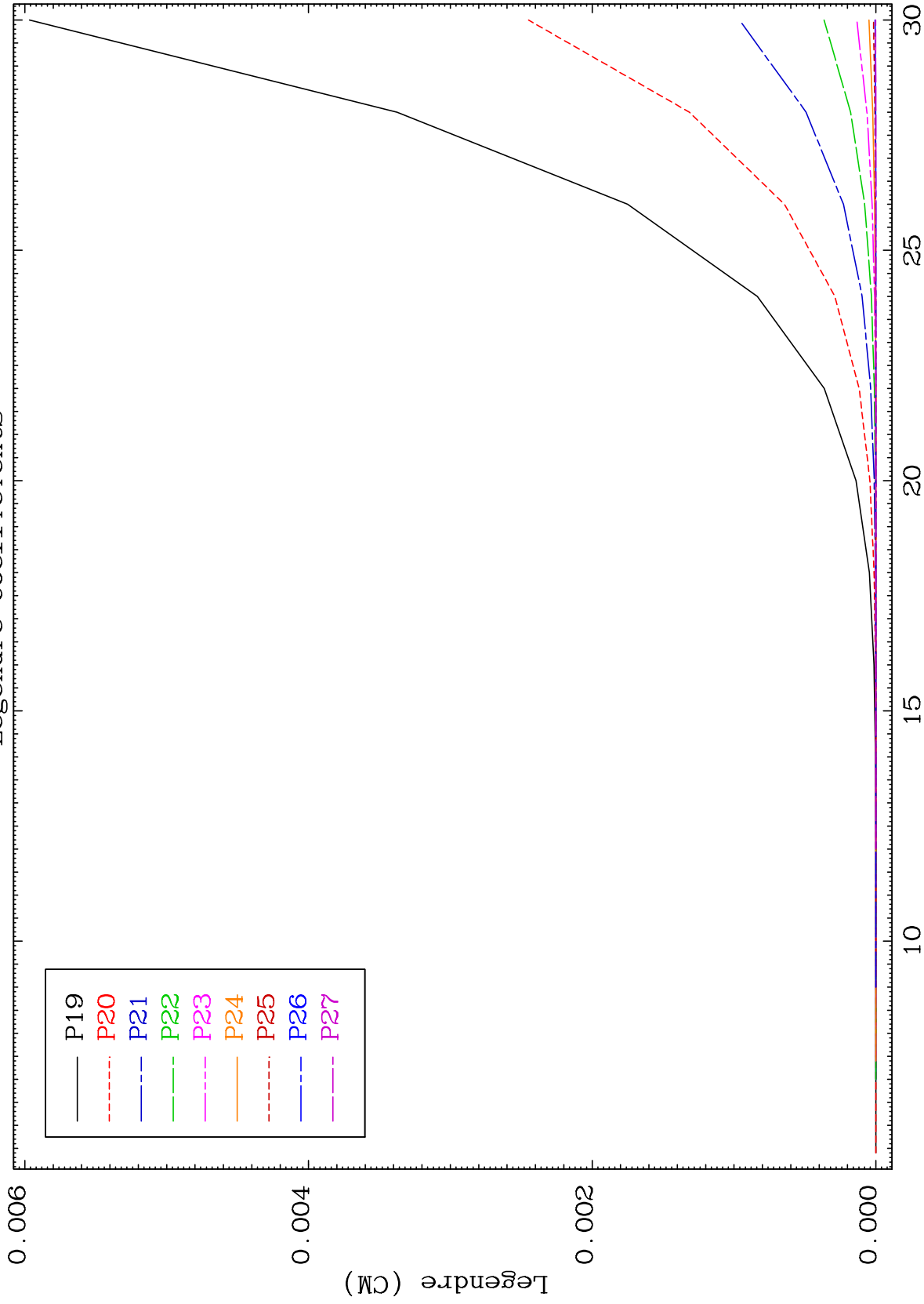
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54-Xe-115

MAT 5398

Elastic Legendre Coefficients

54-Xe-115



18

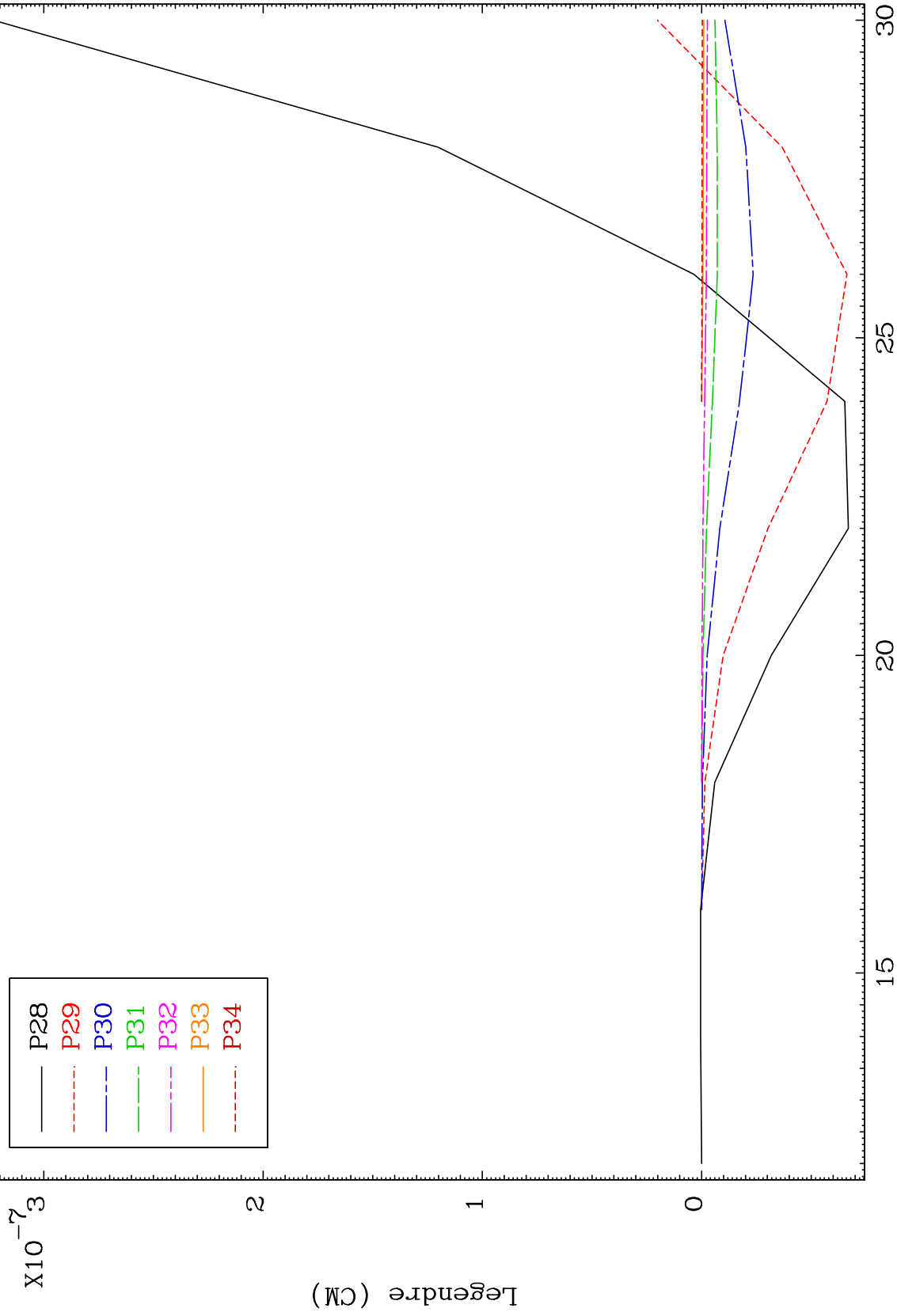
Incident Energy (MeV)

54-Xe-115

MAT 5398

Elastic Legendre Coefficients

54-Xe-115



19

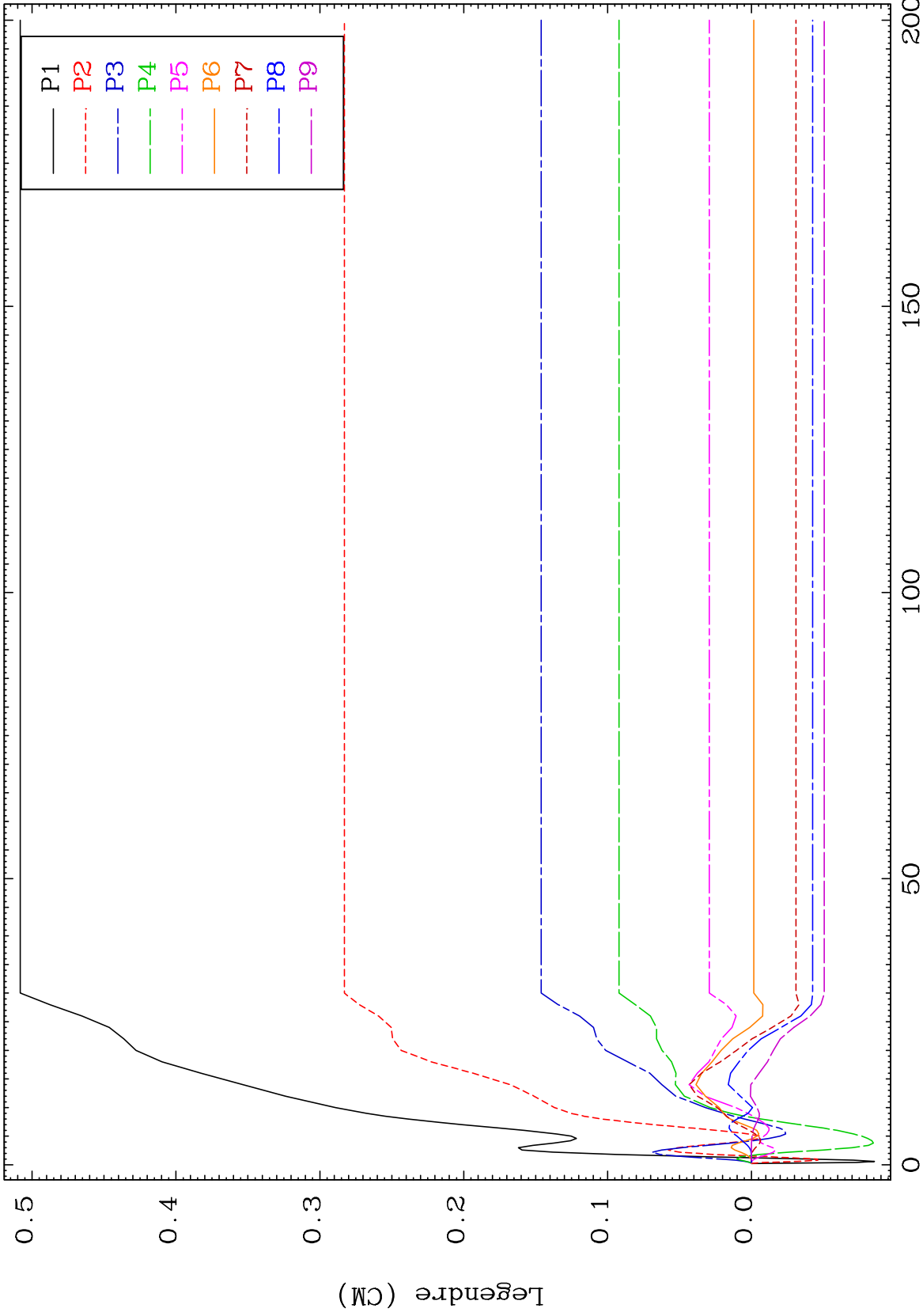
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



20

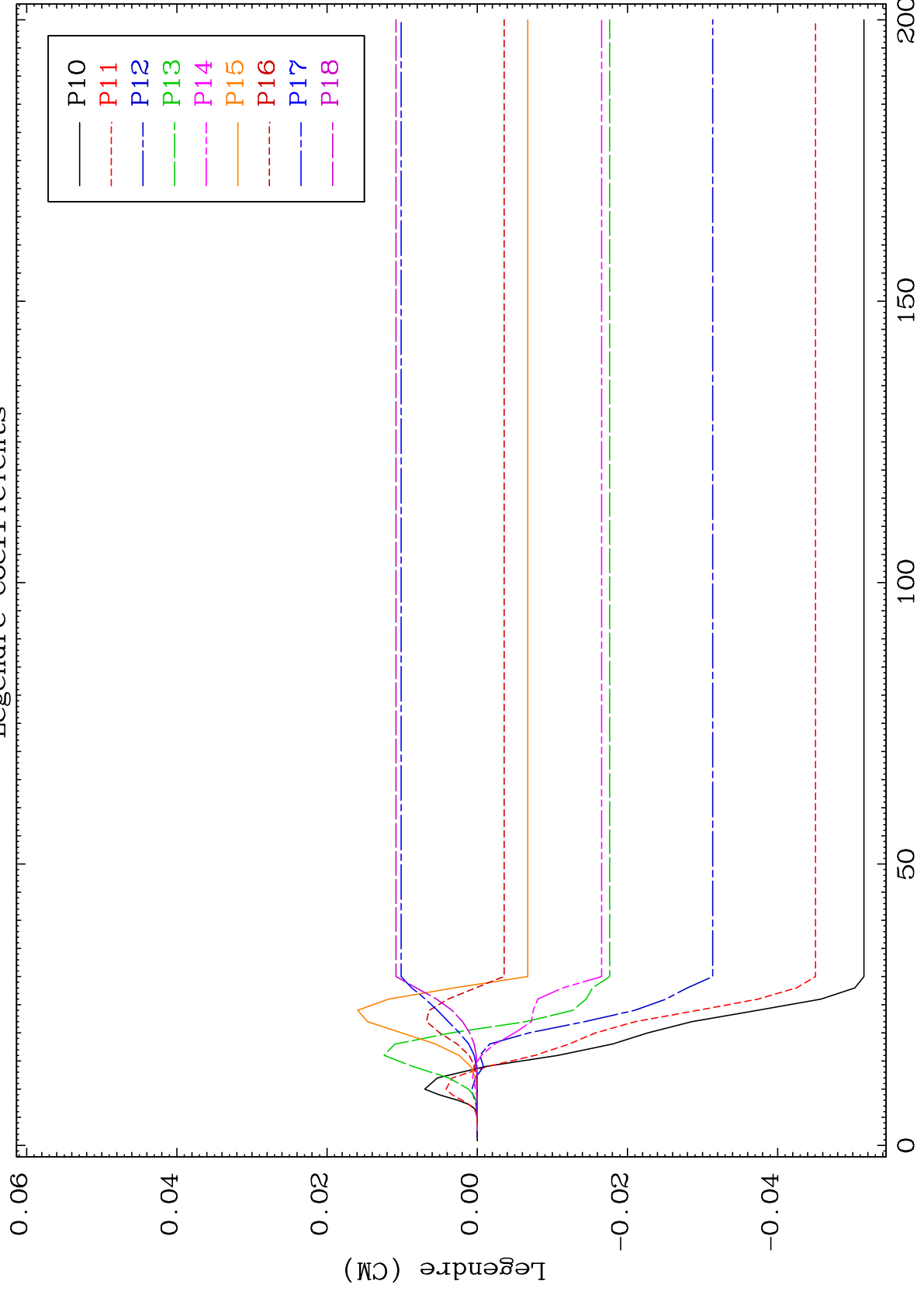
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



21

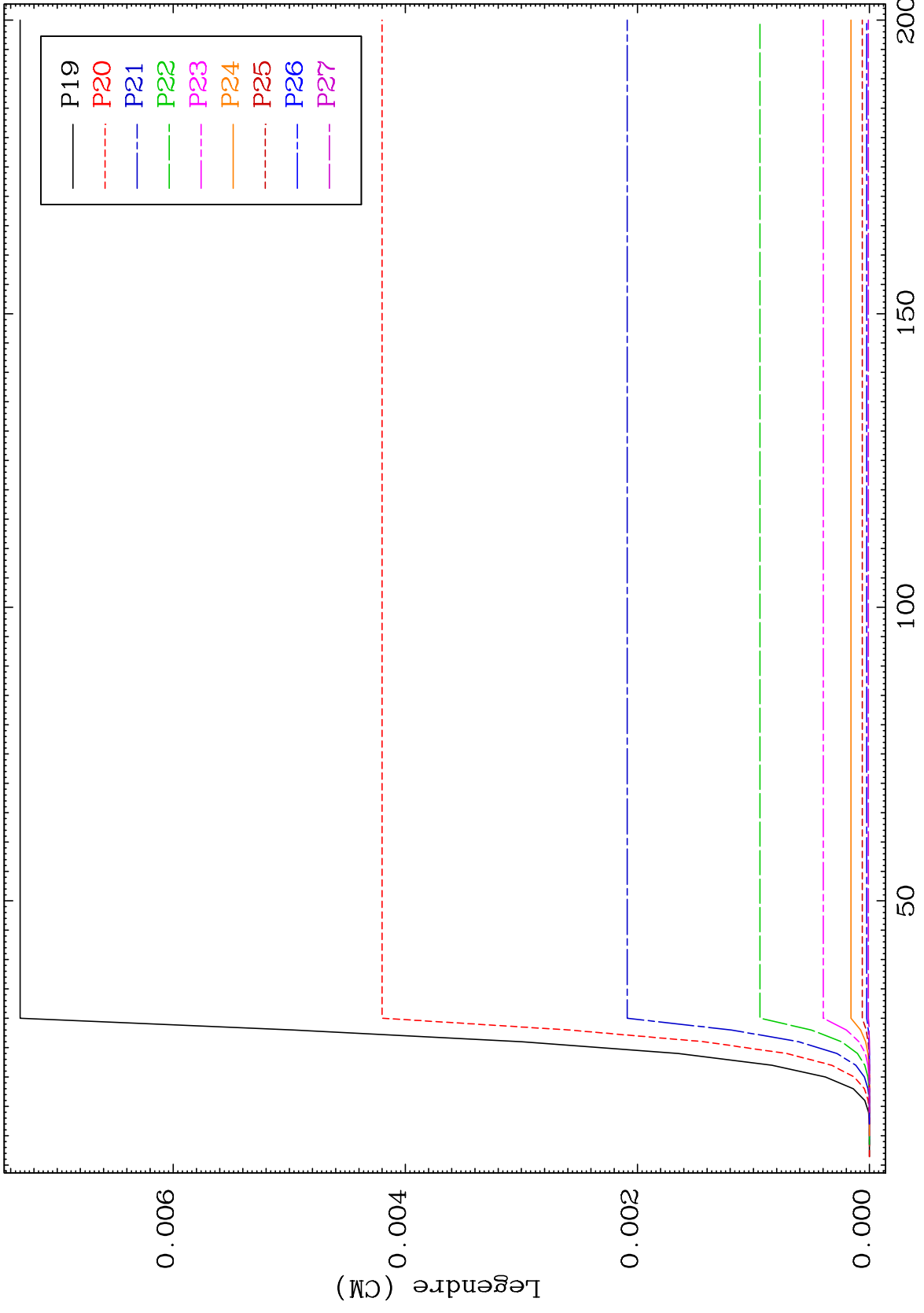
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



22

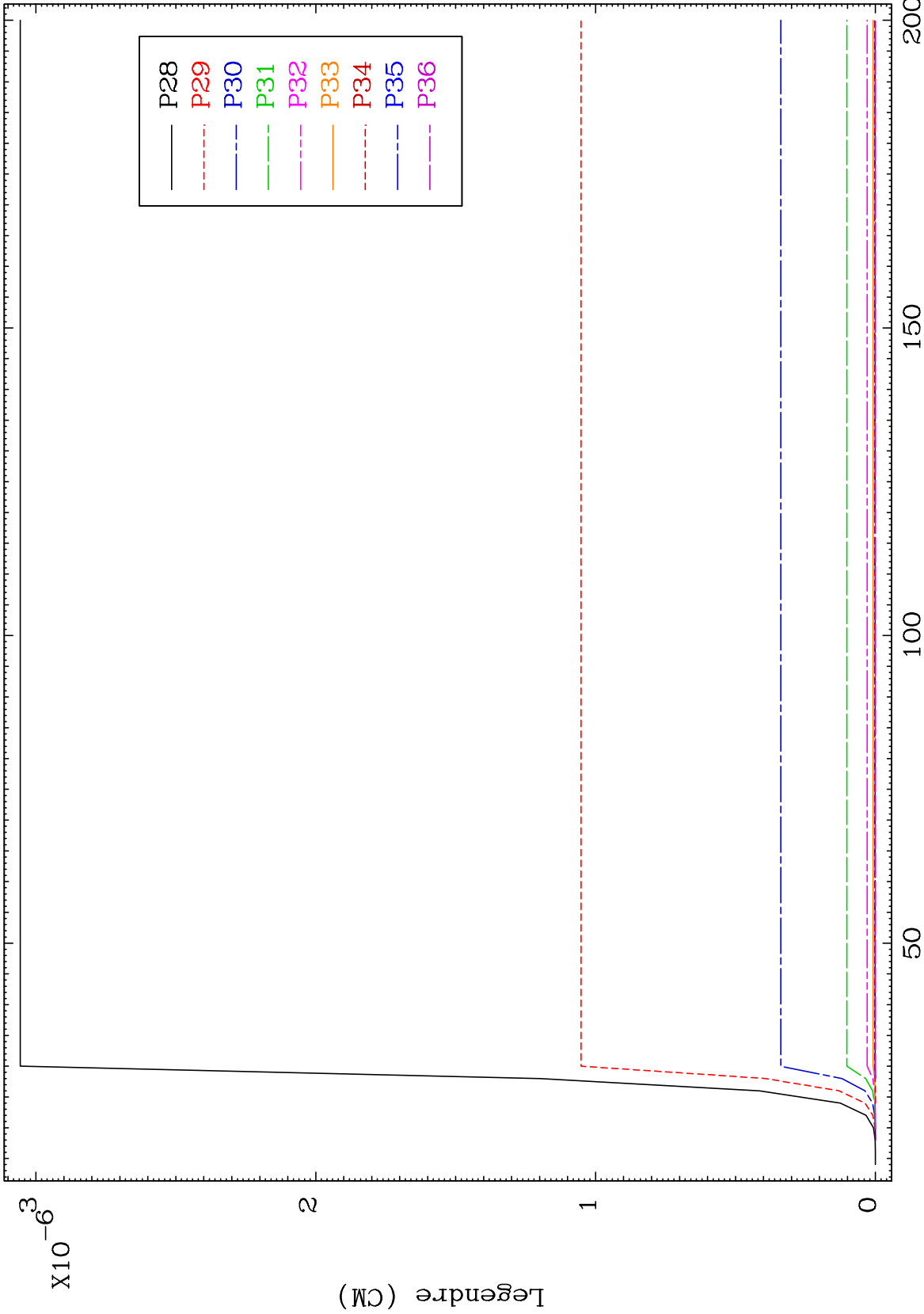
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



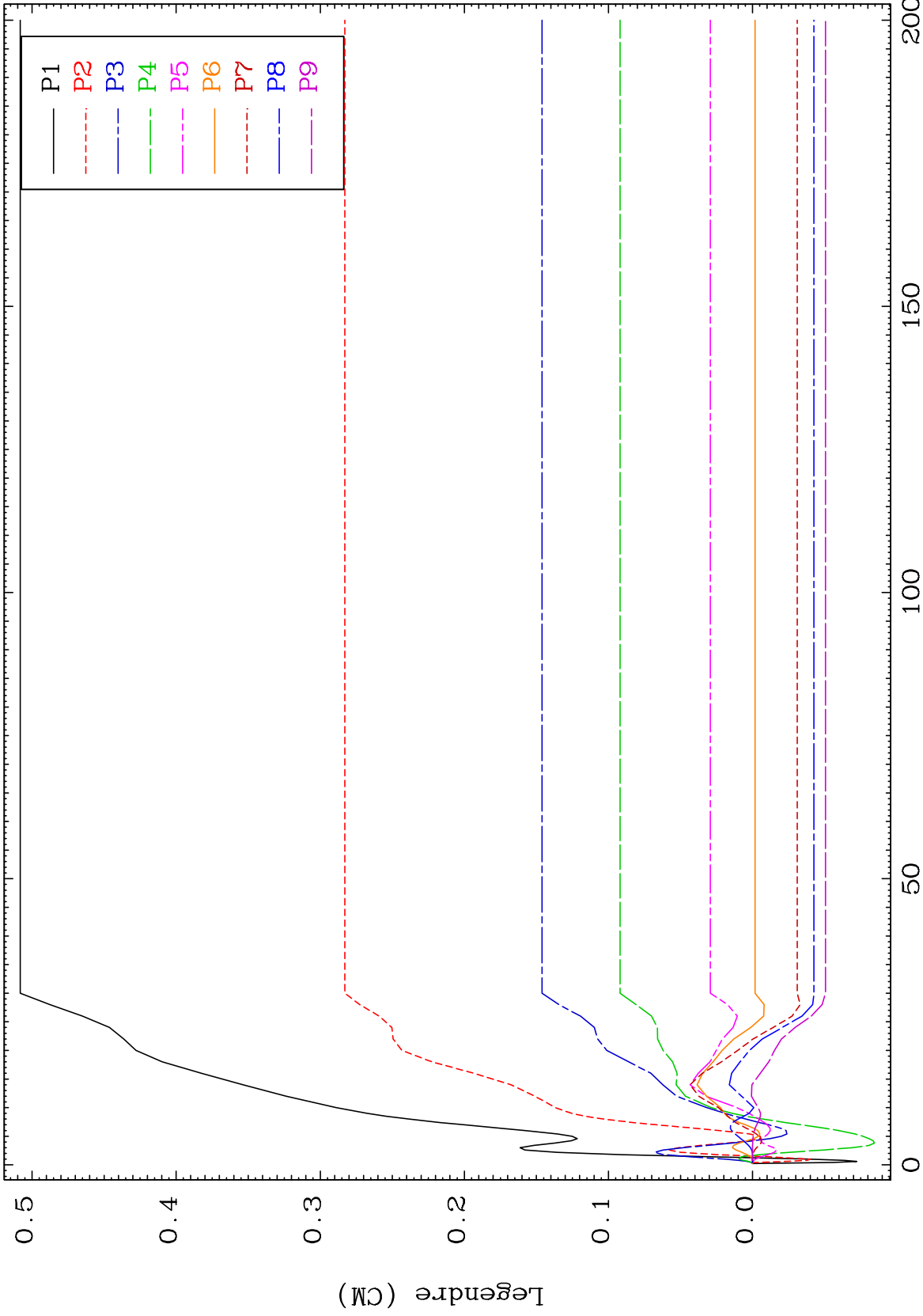
23

54-Xe-115

MAT 5398

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

54-Xe-115



24

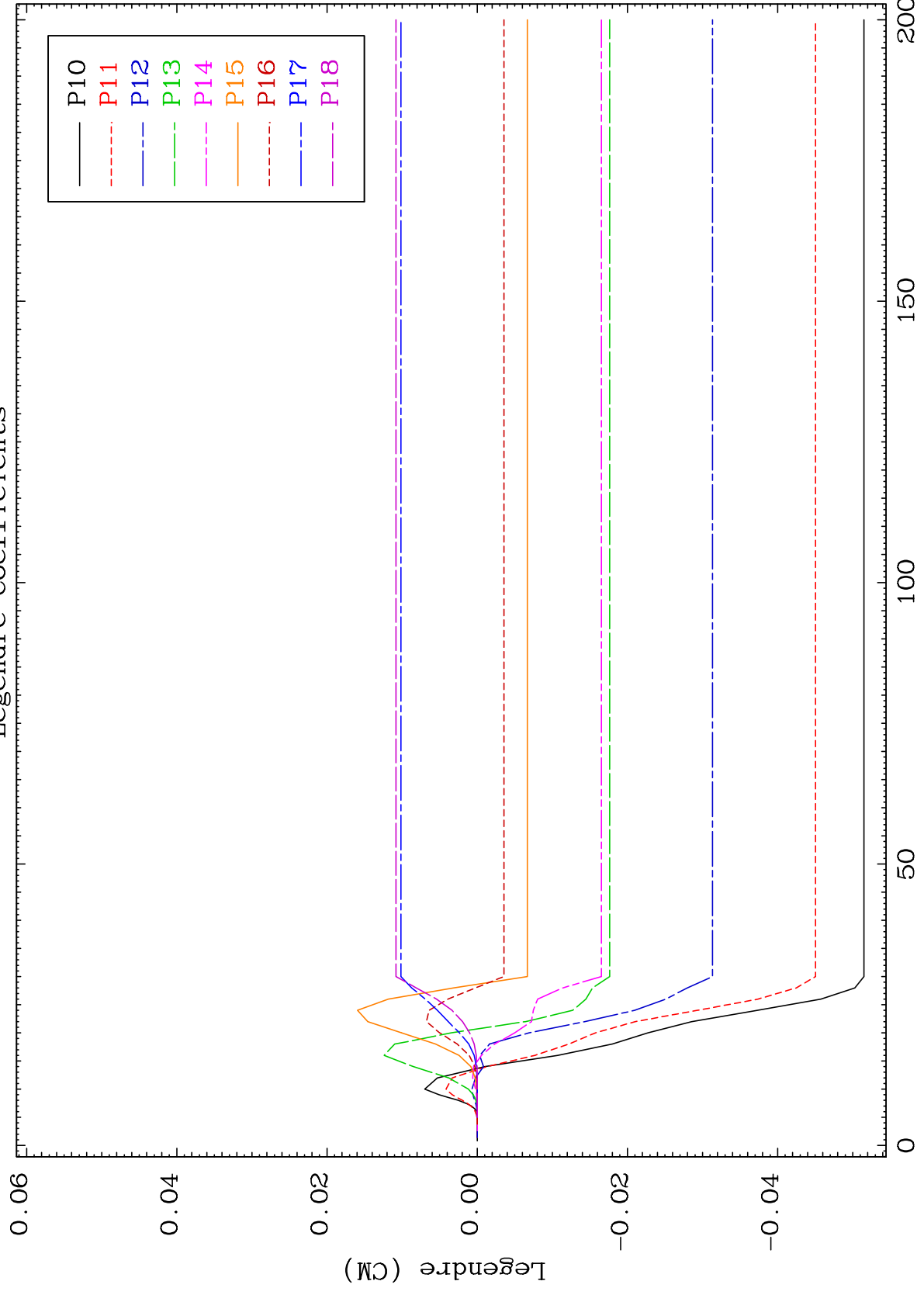
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



25

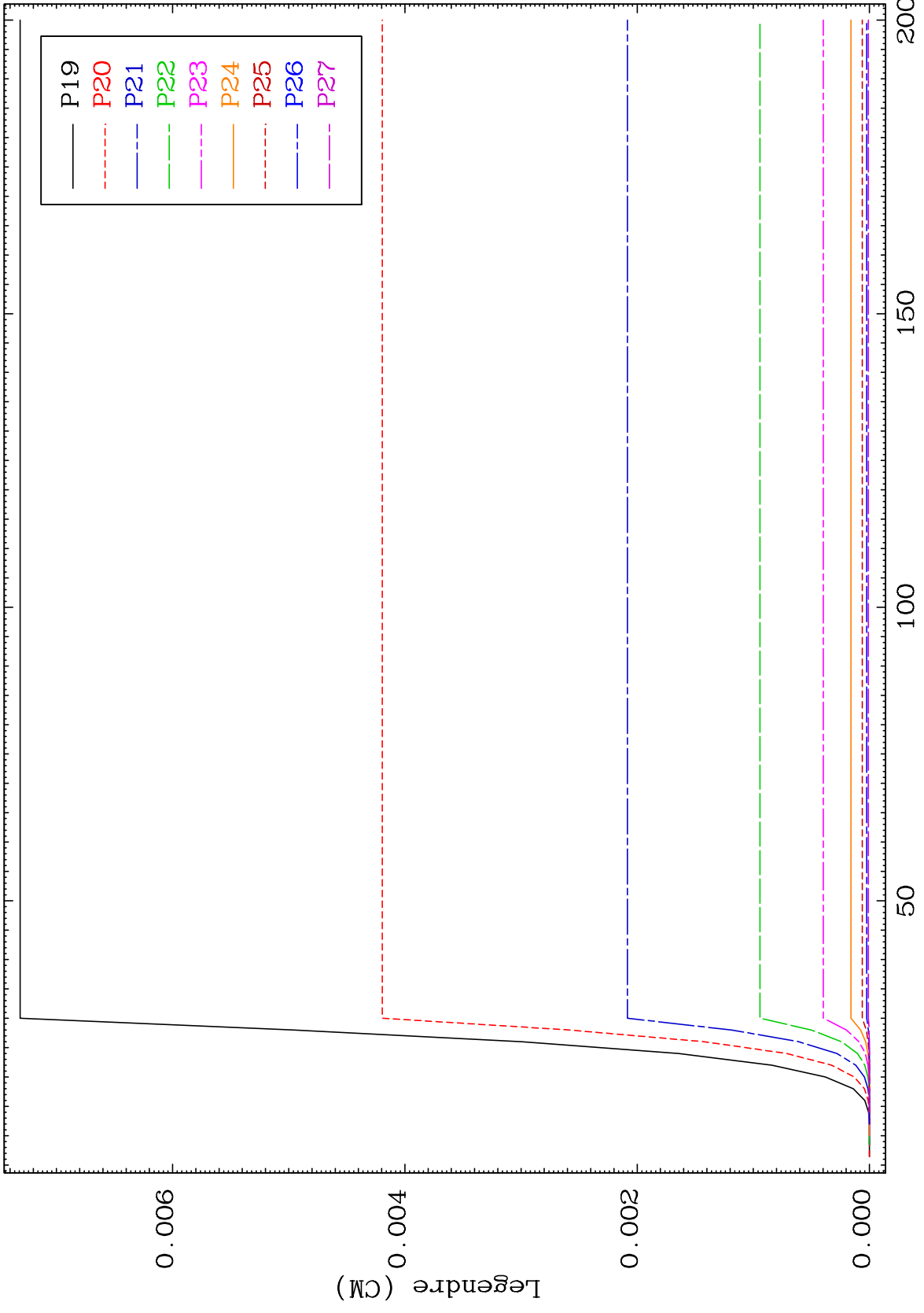
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



26

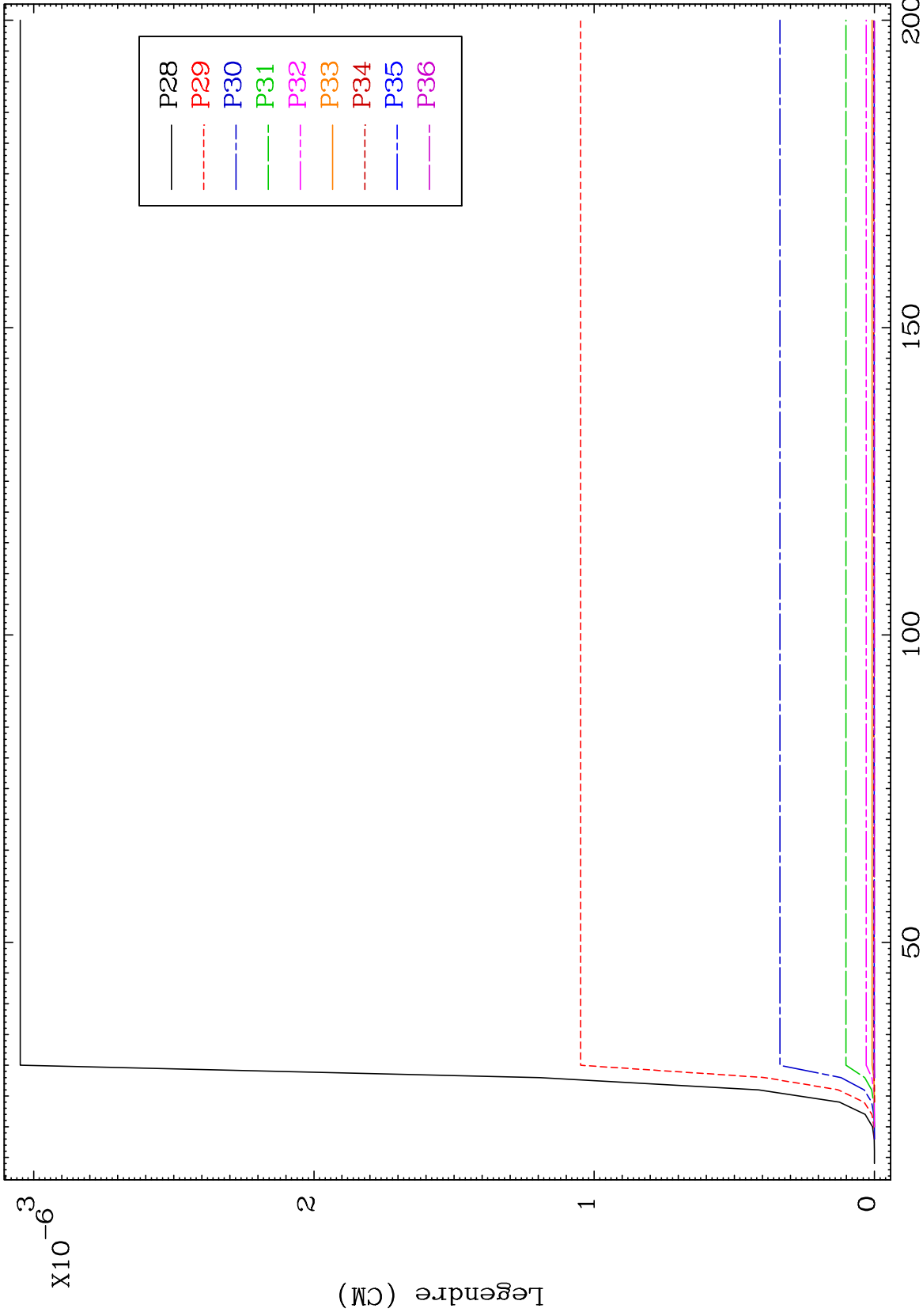
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



27

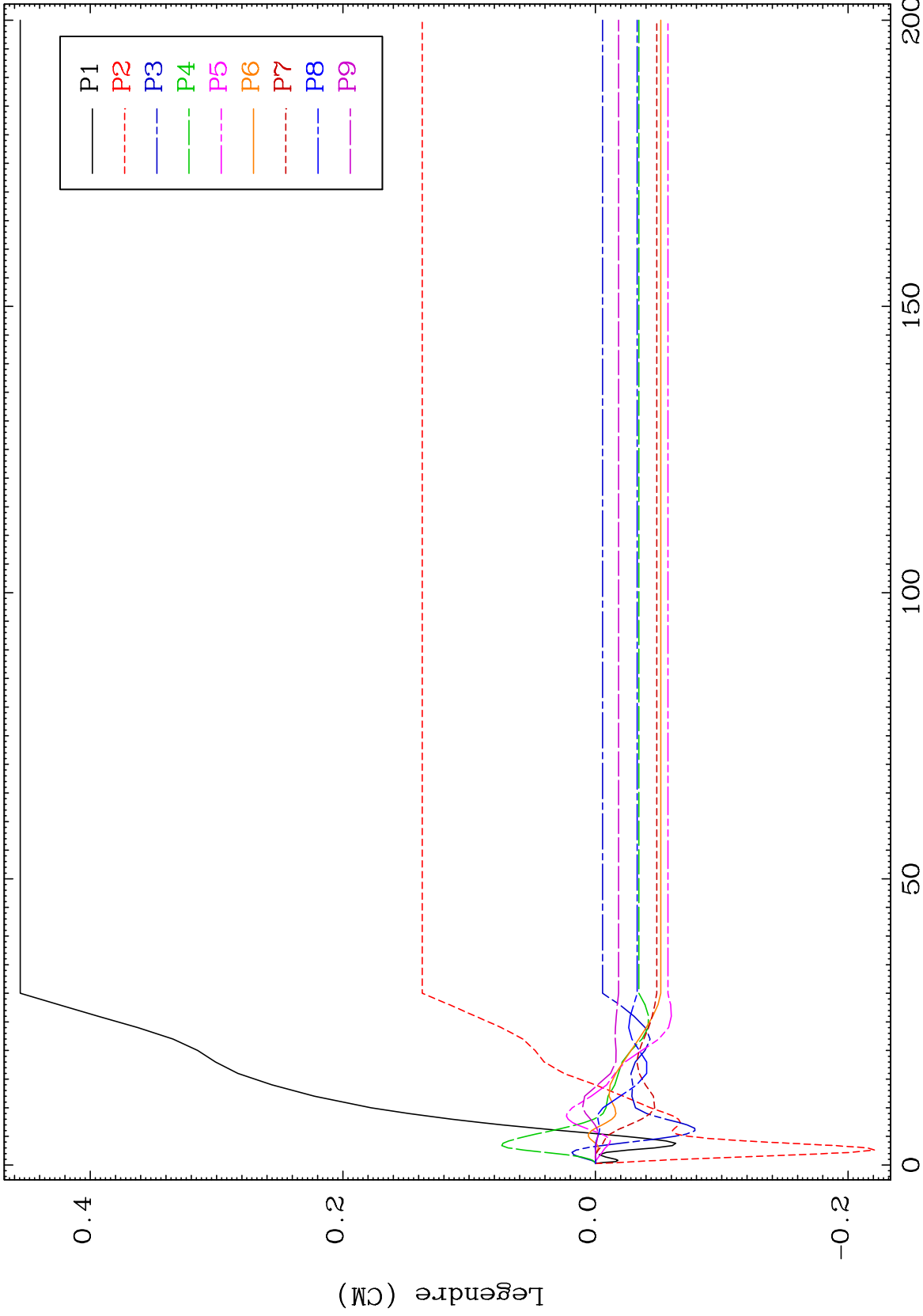
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



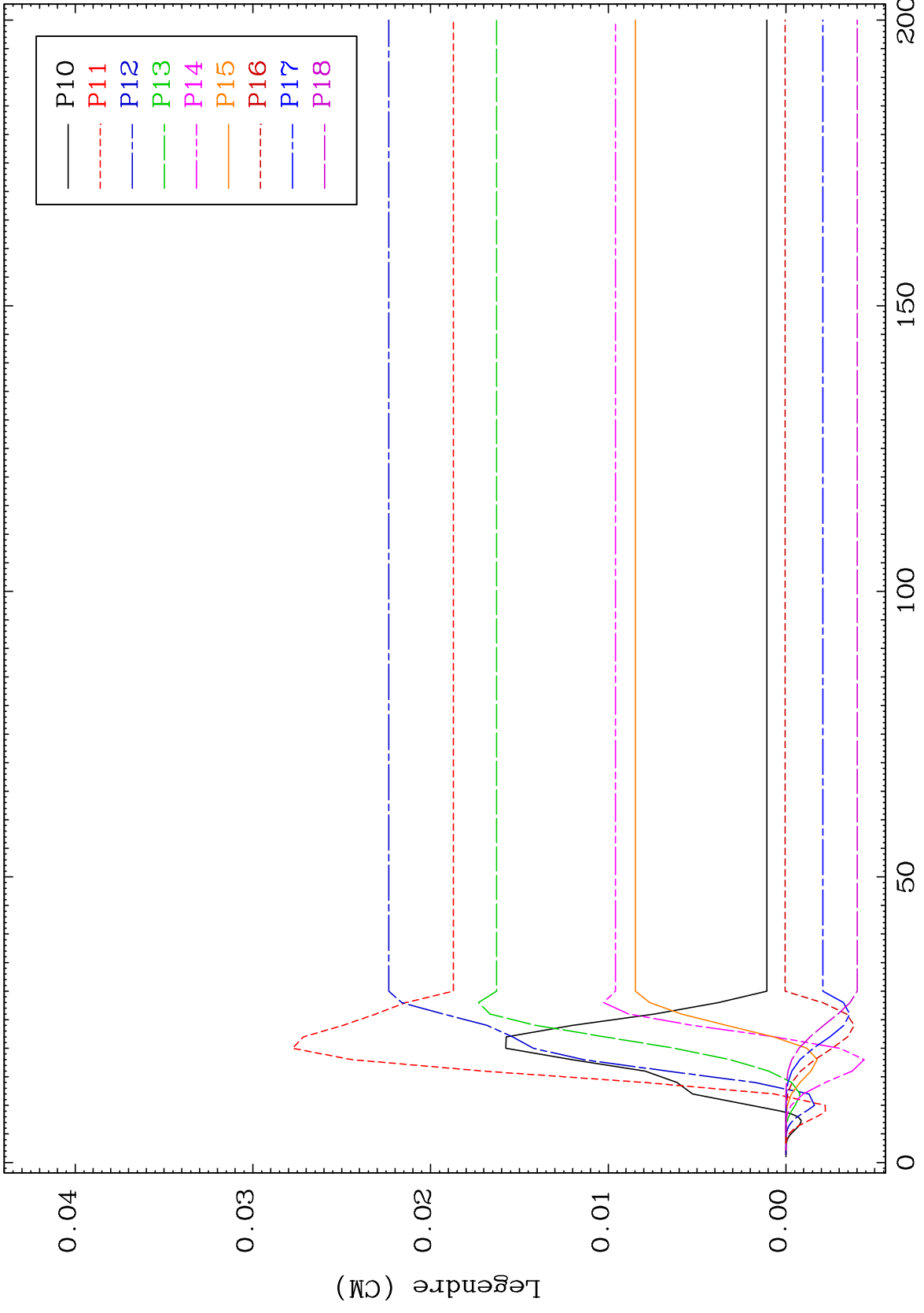
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54-Xe-115

MAT 5398

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

54-Xe-115



29

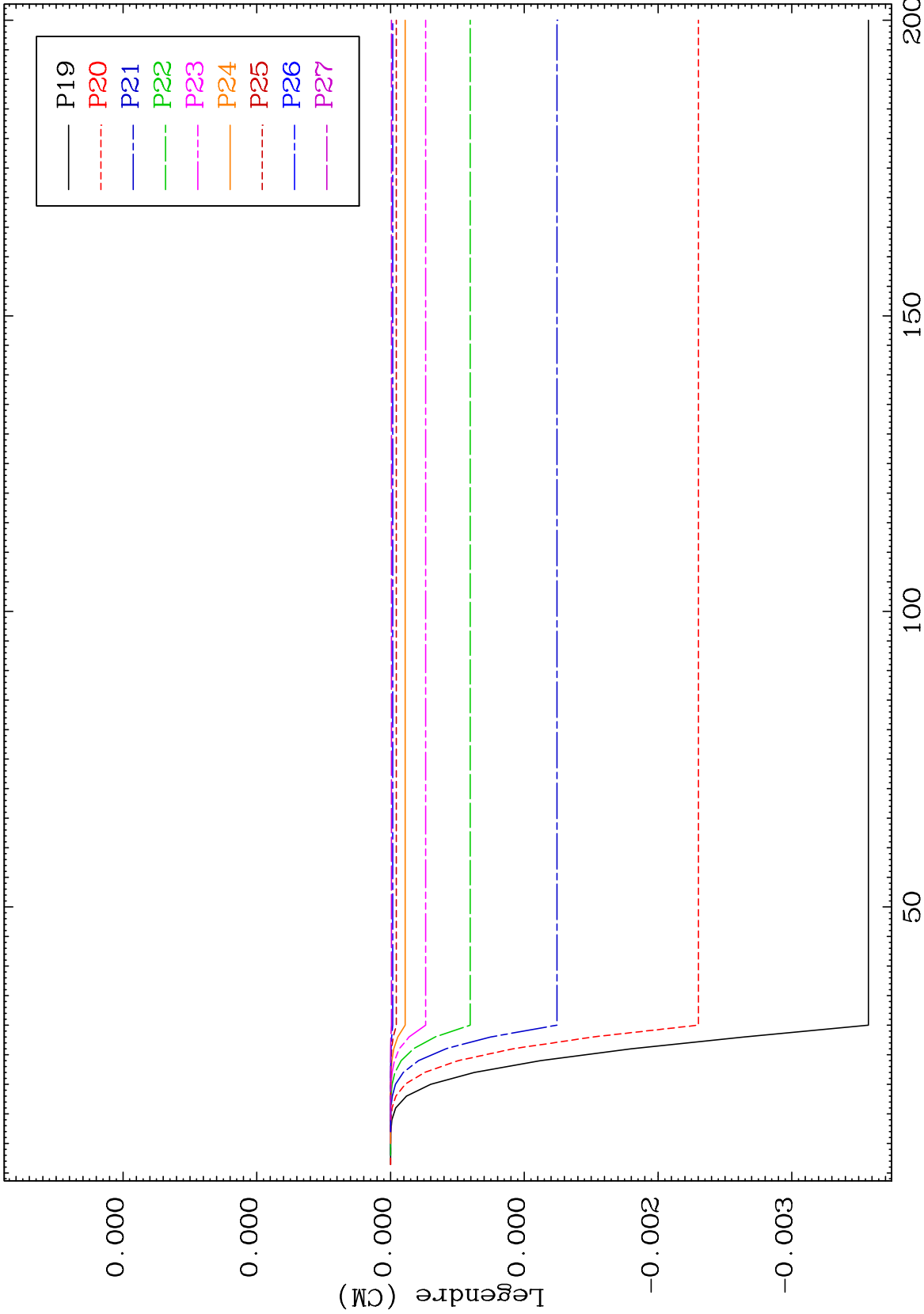
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



30

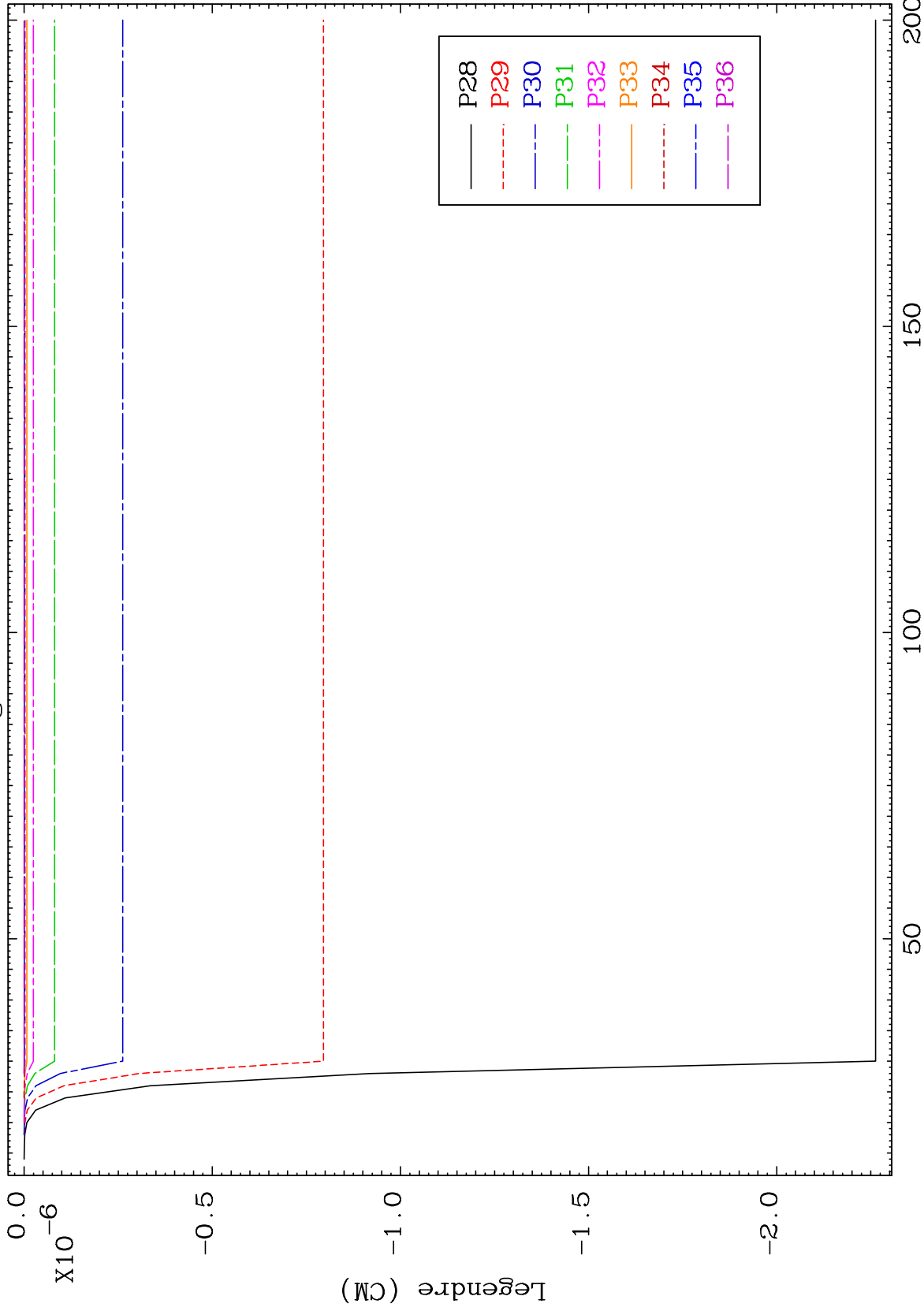
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



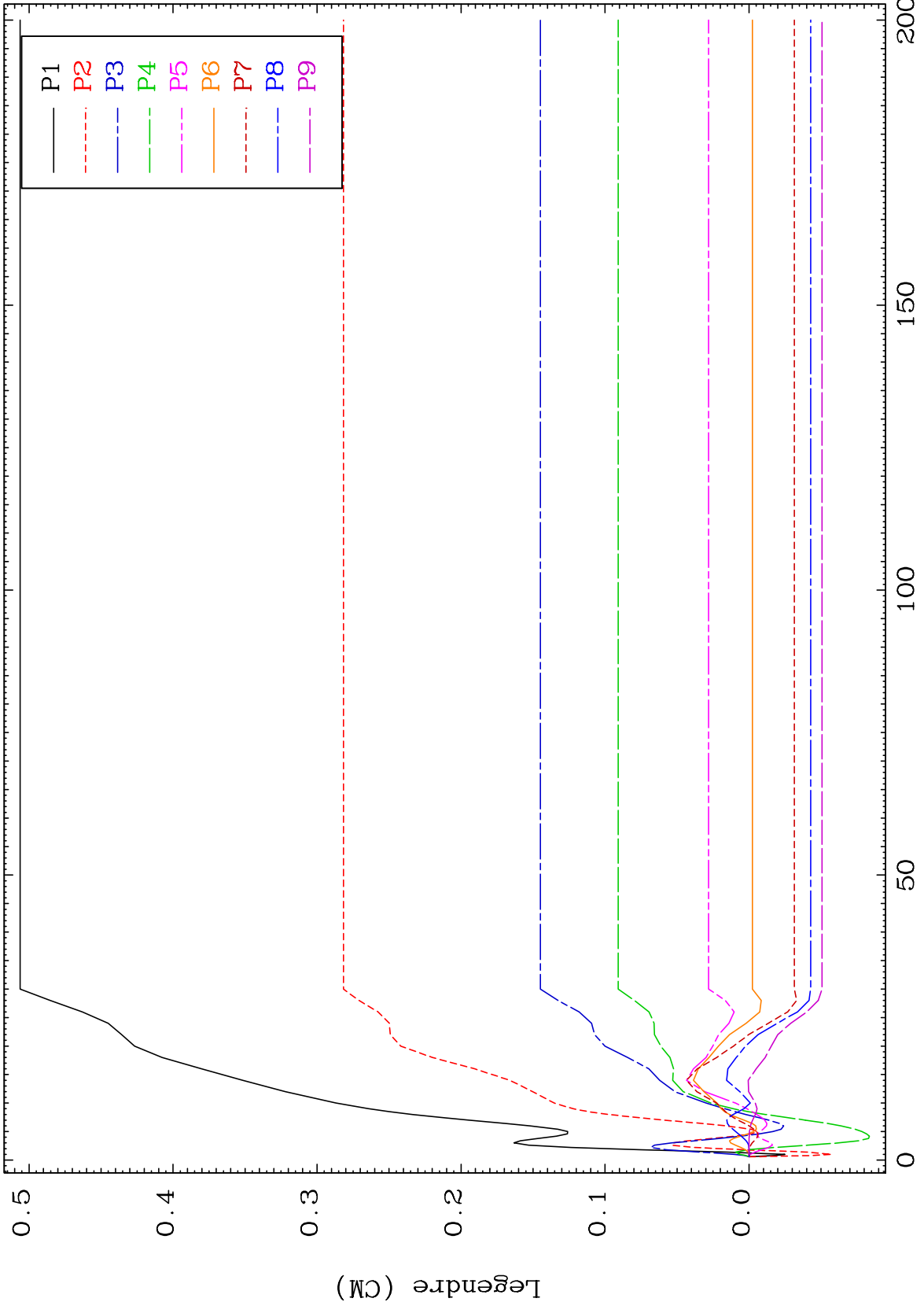
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54-Xe-115

MAT 5398

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

54-Xe-115



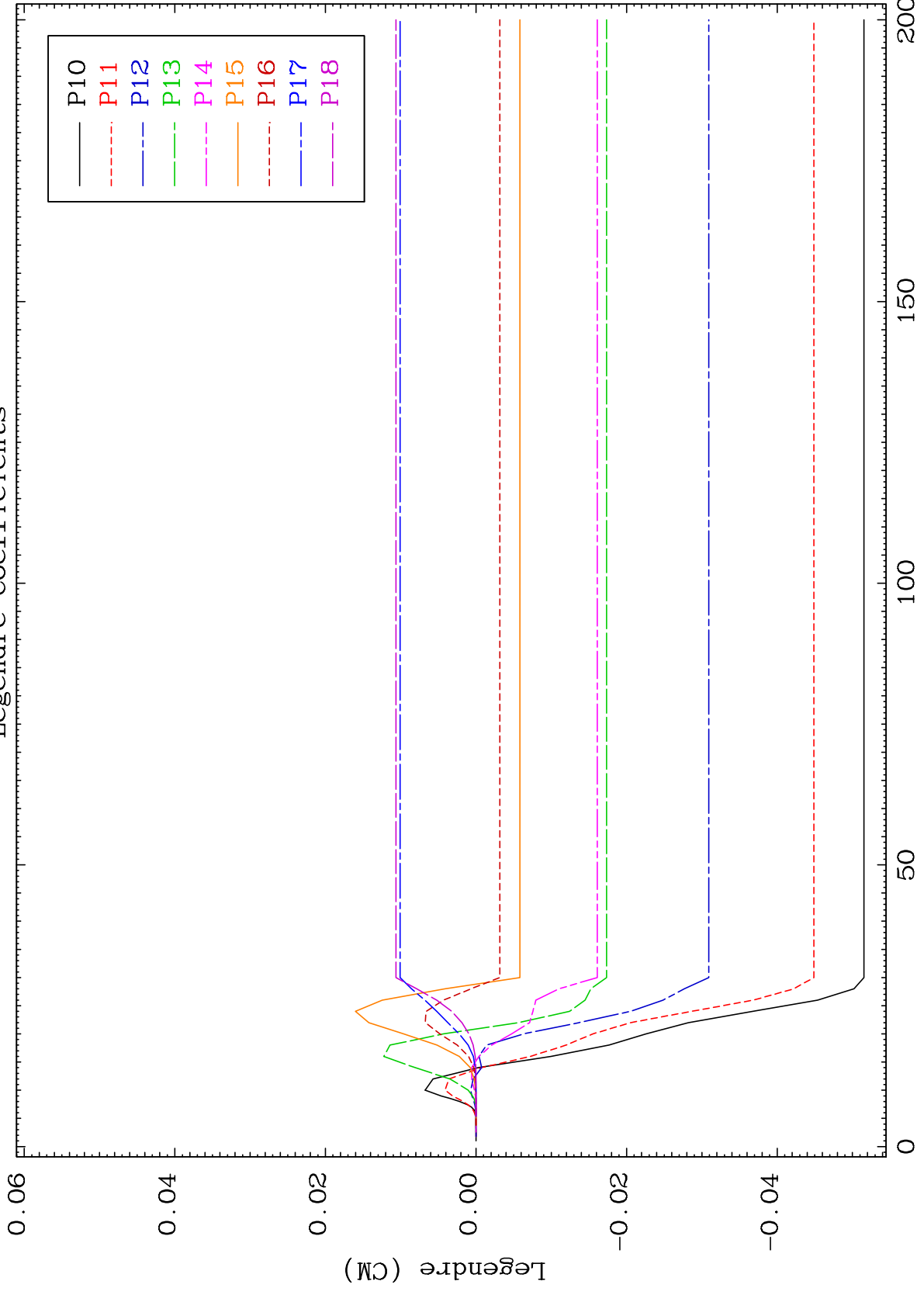
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54-Xe-115

MAT 5398

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

54-Xe-115



33

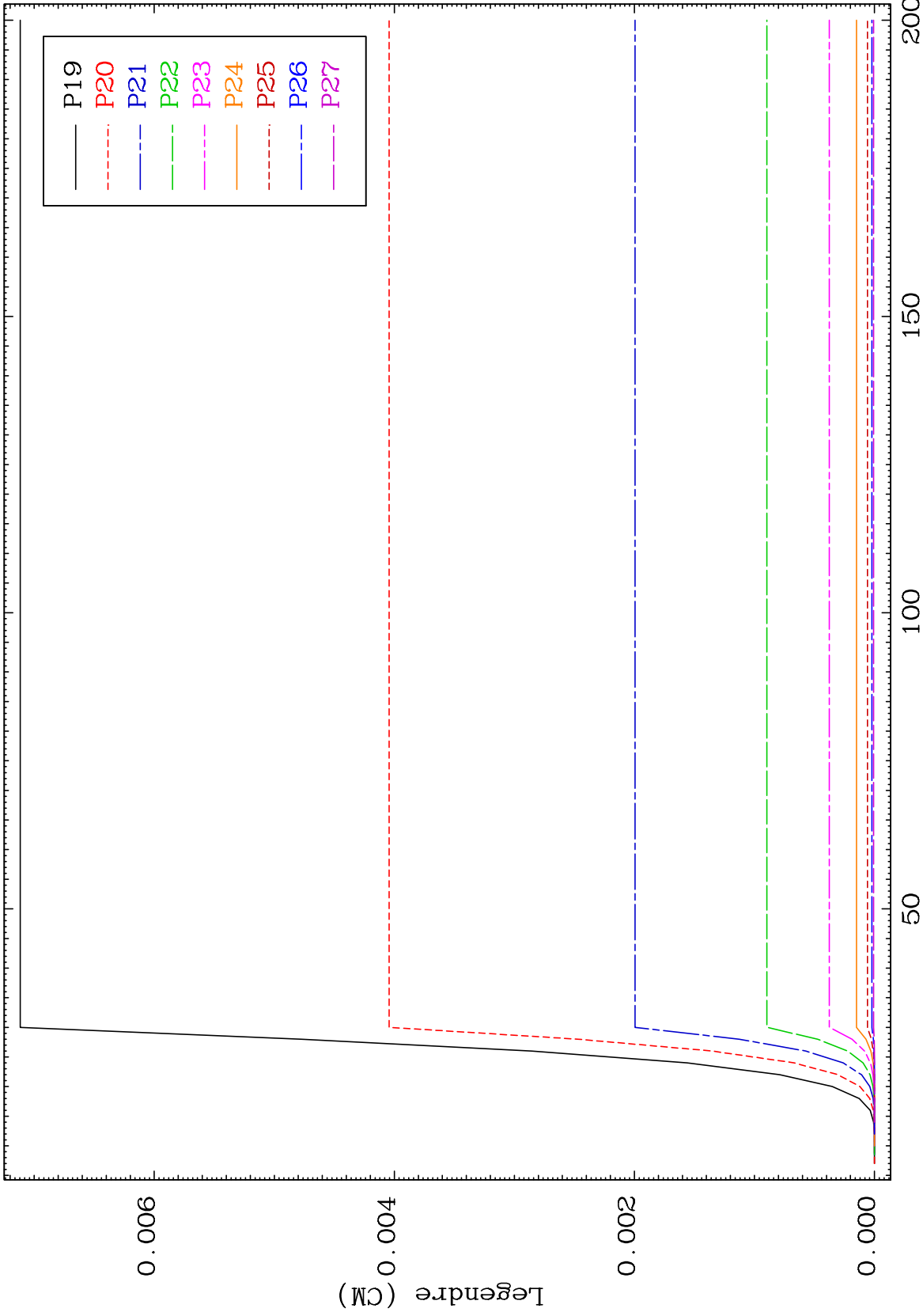
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



34

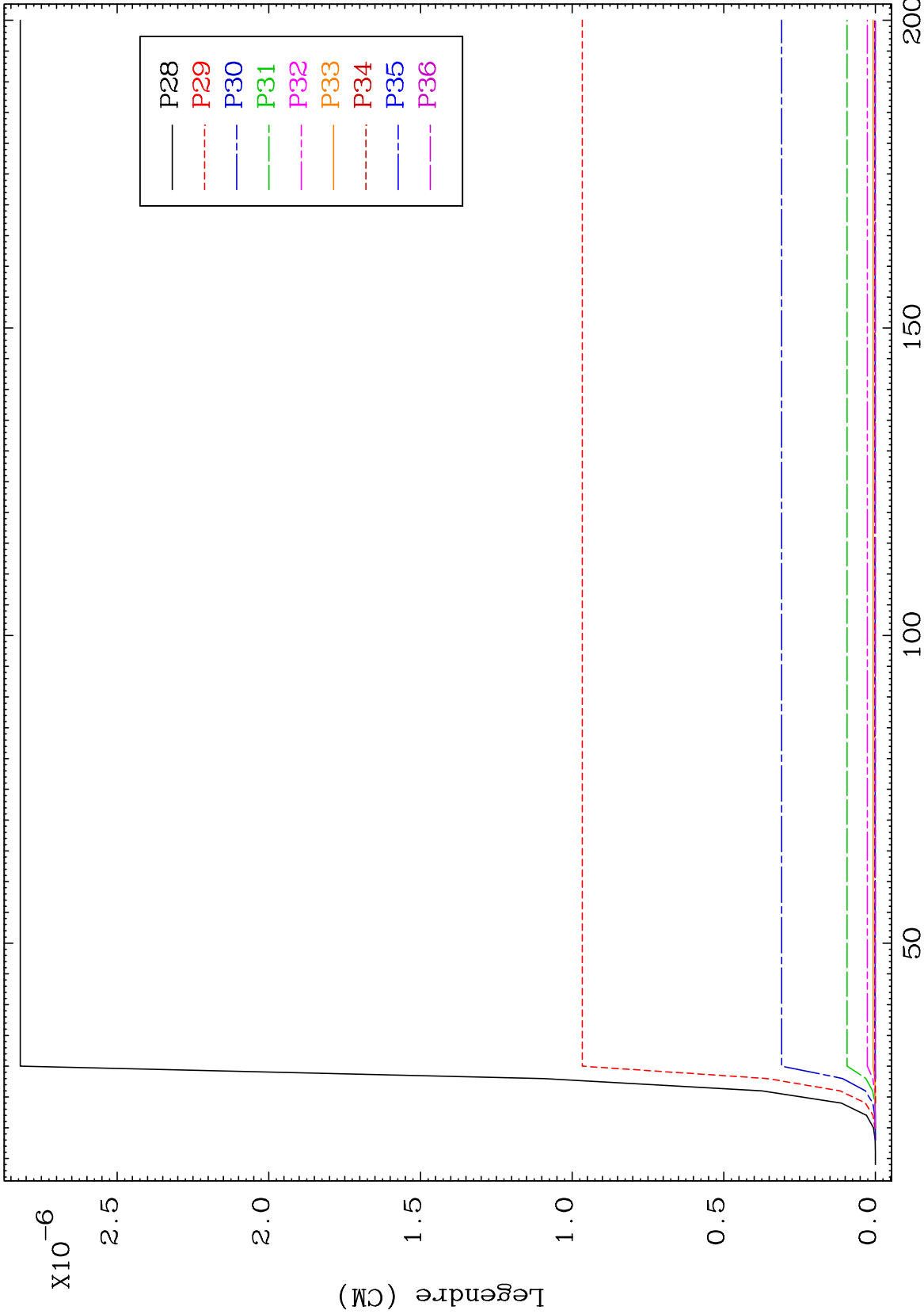
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



35

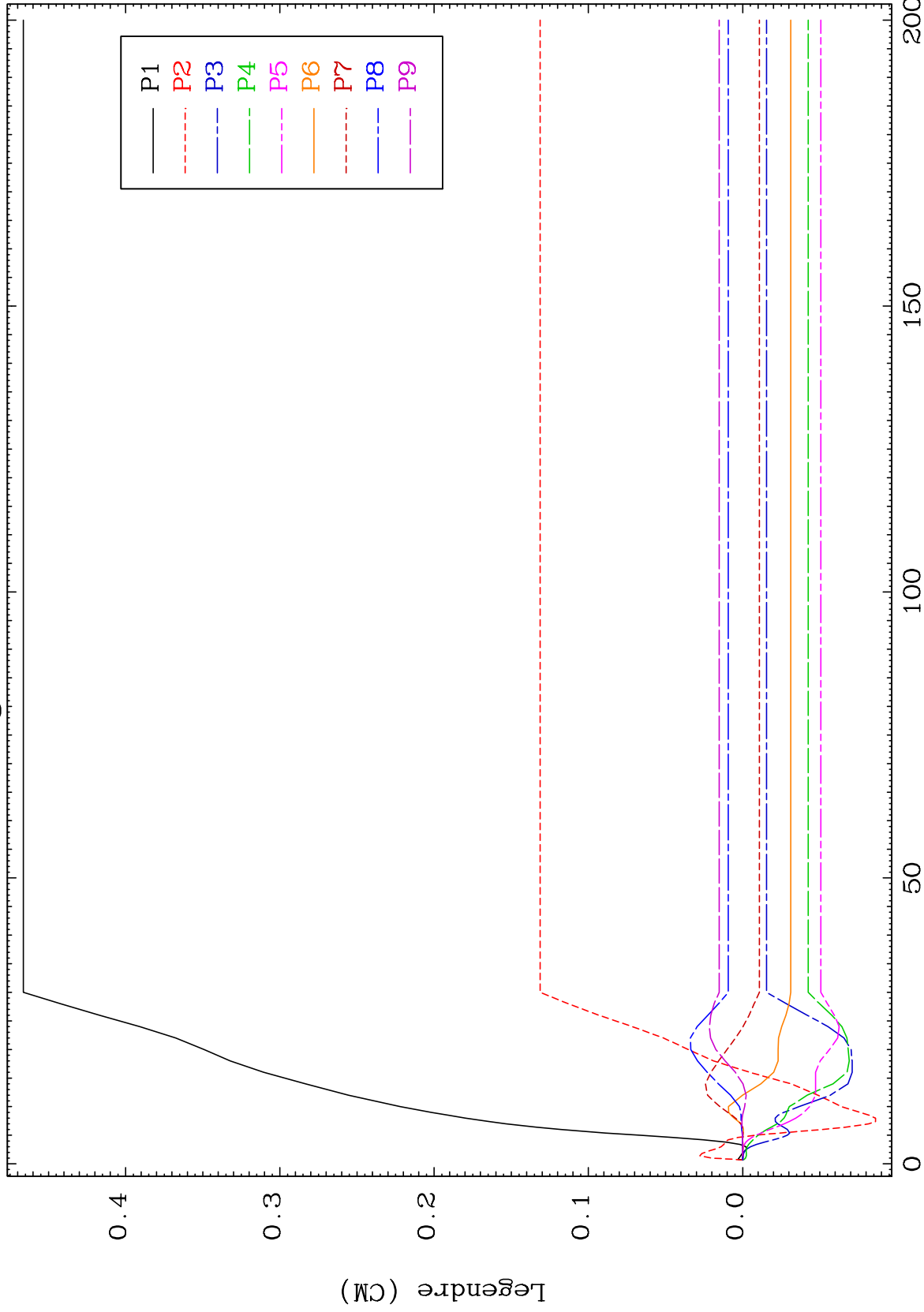
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



36

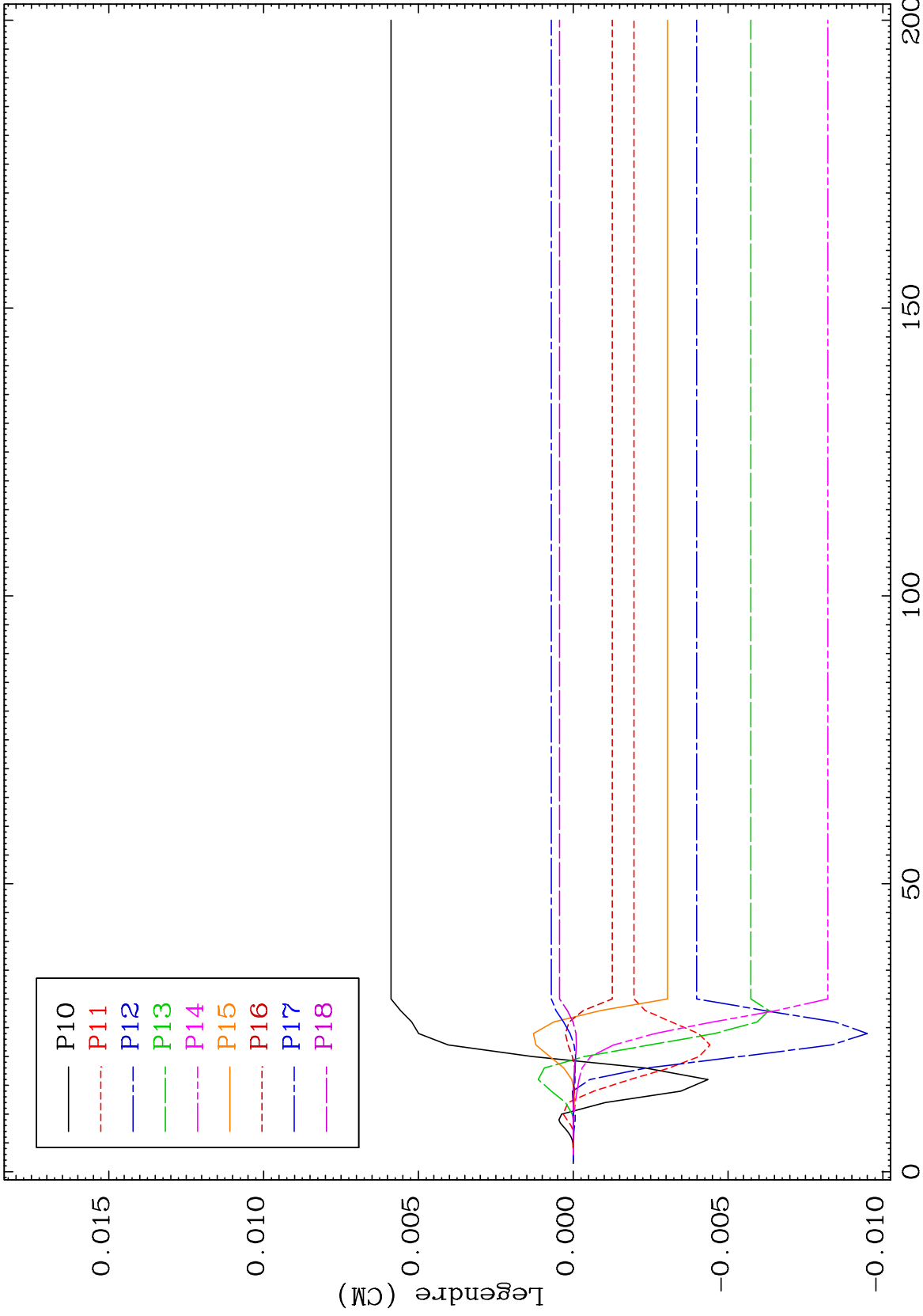
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

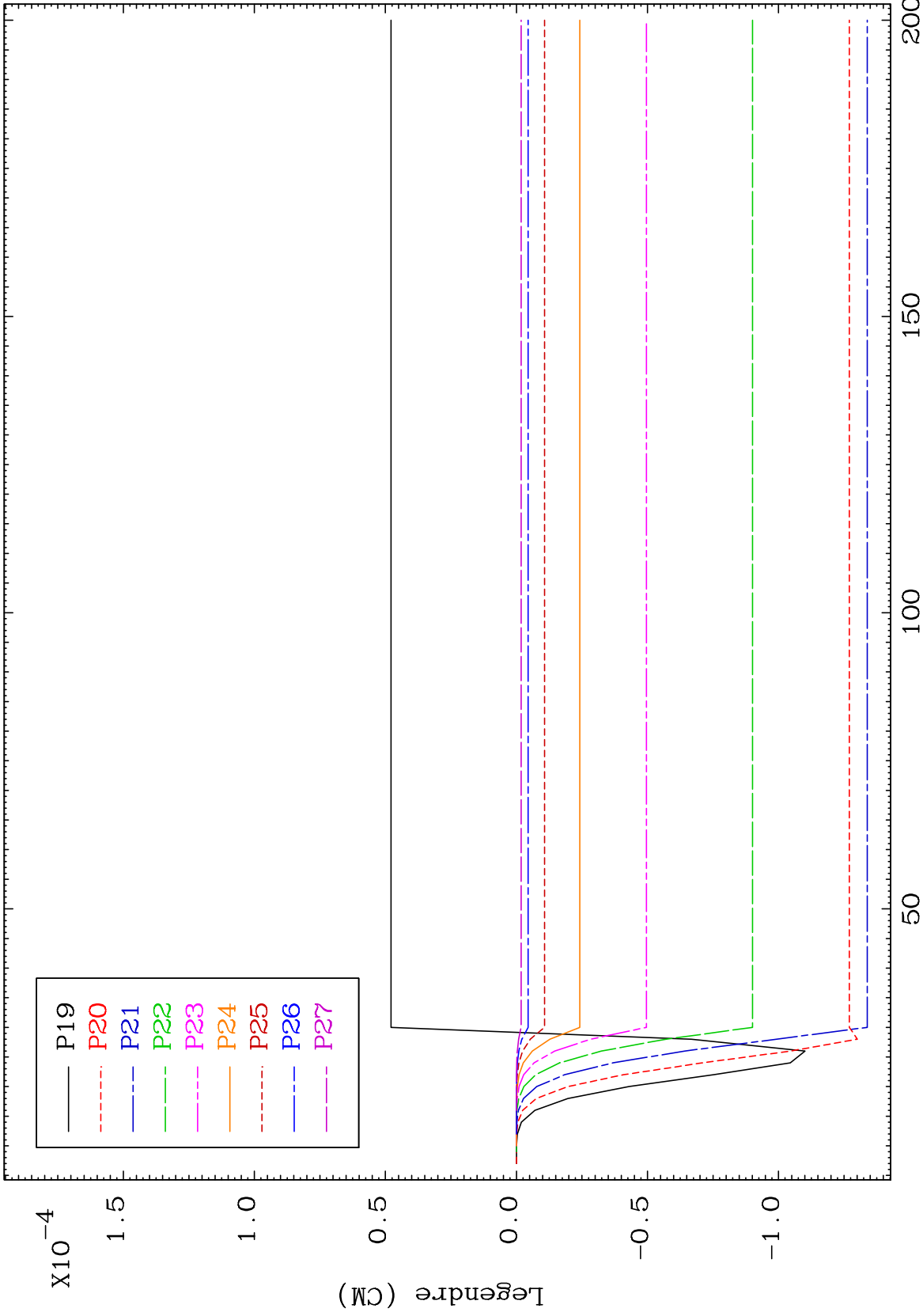
54-Xe-115



37

Incident Energy (MeV)

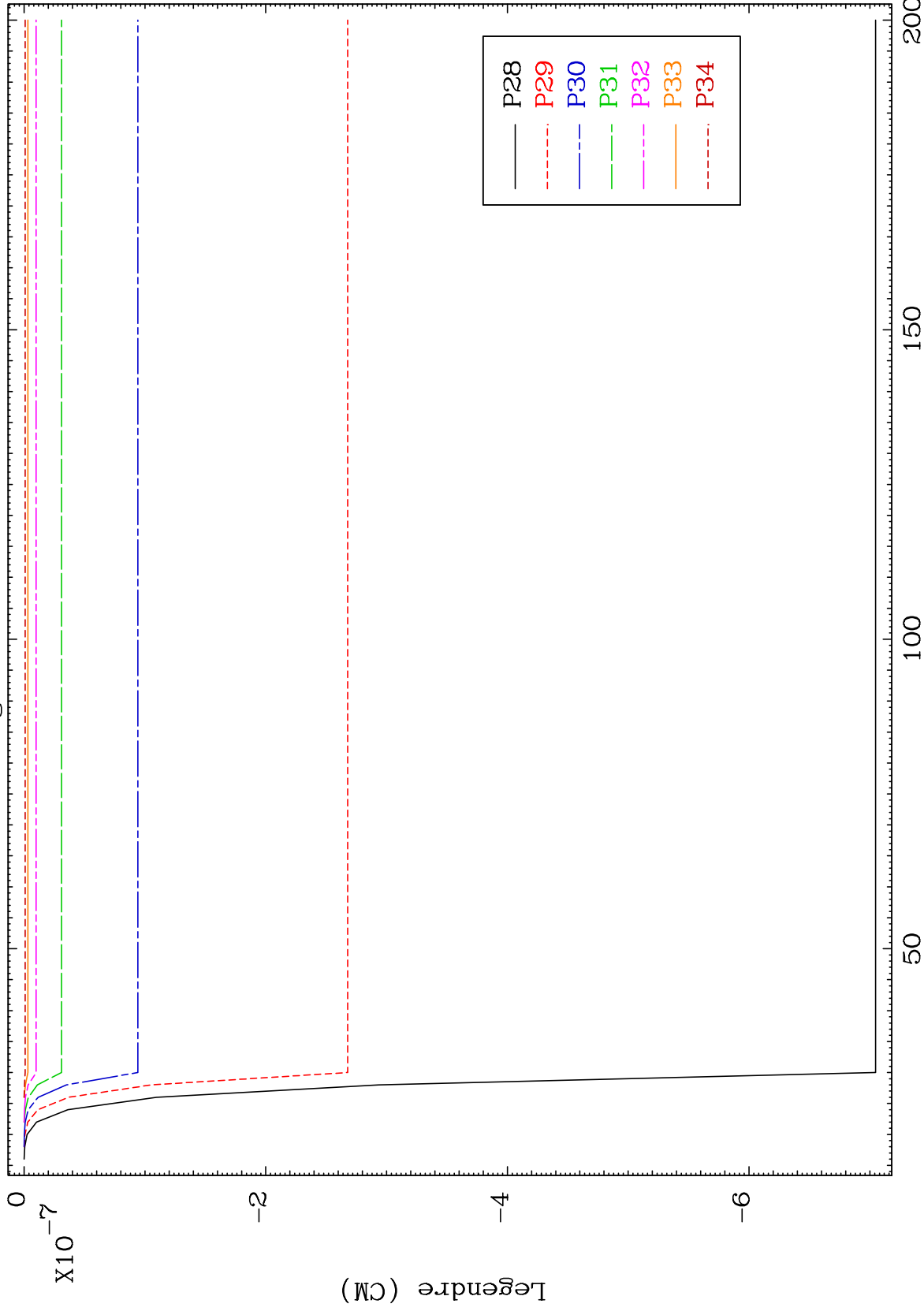
54-Xe-115



MAT 5398

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

54-Xe-115



39

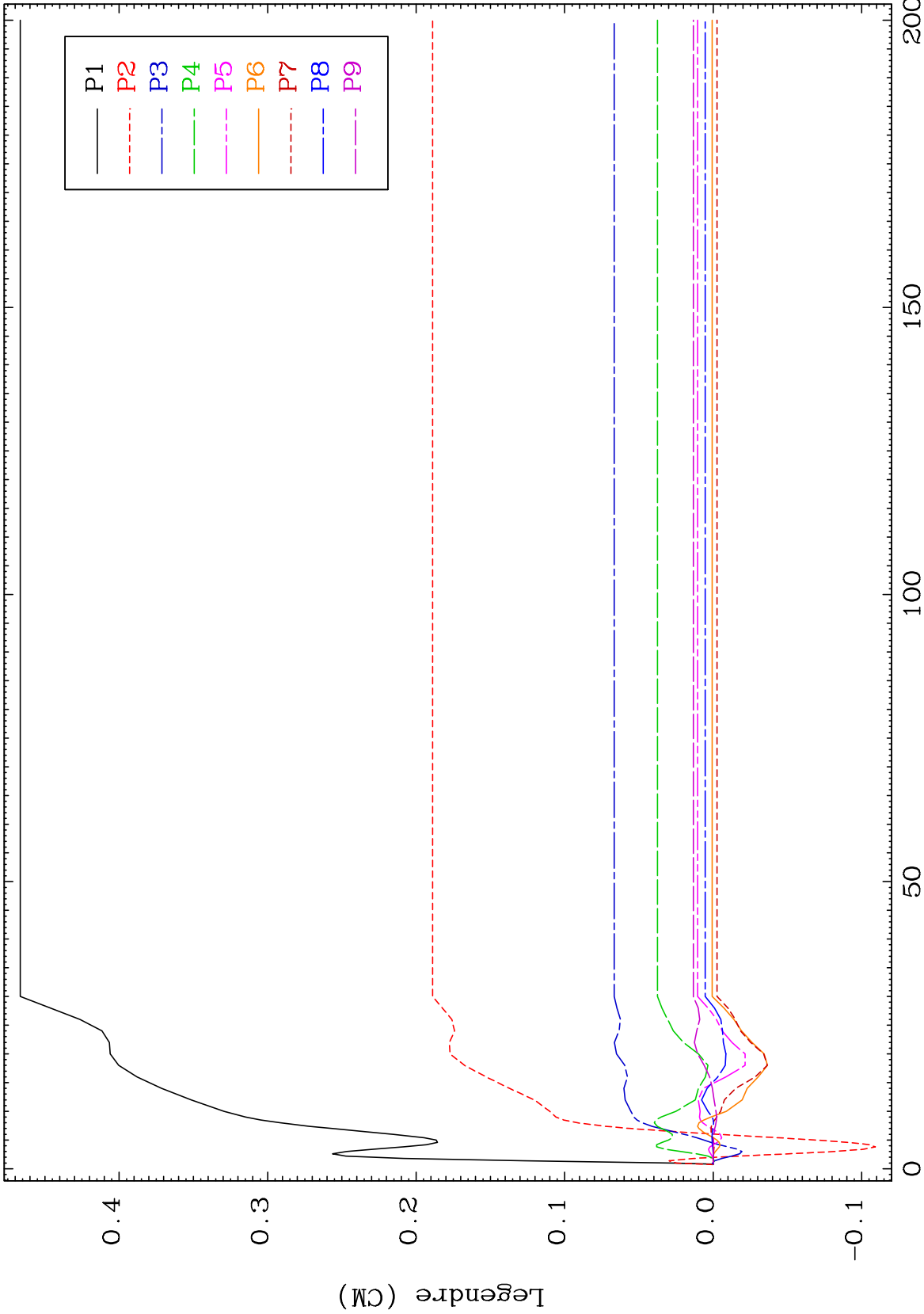
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



54-Xe-115

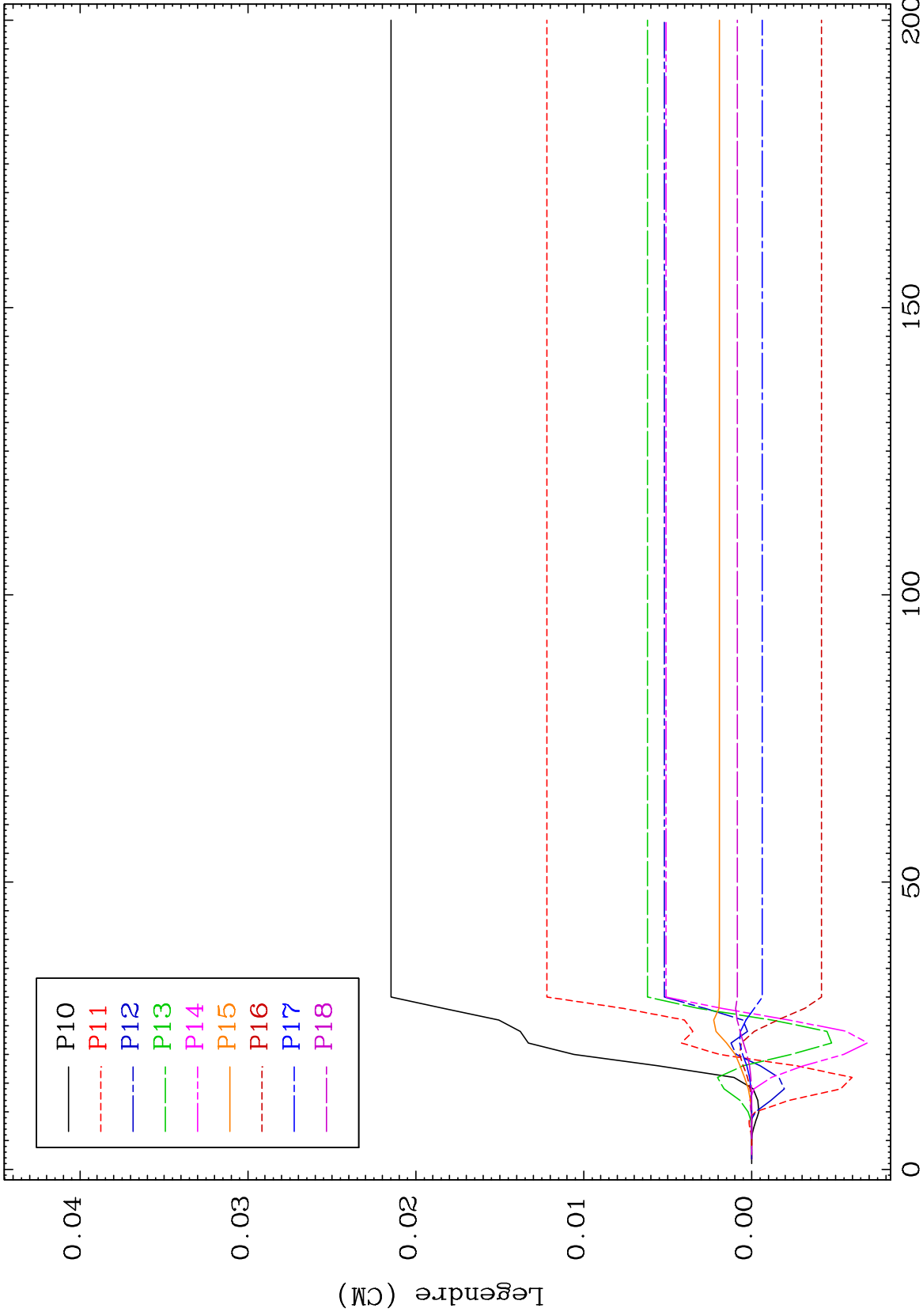
Incident Energy (MeV)

40

MAT 5398

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

54-Xe-115



41

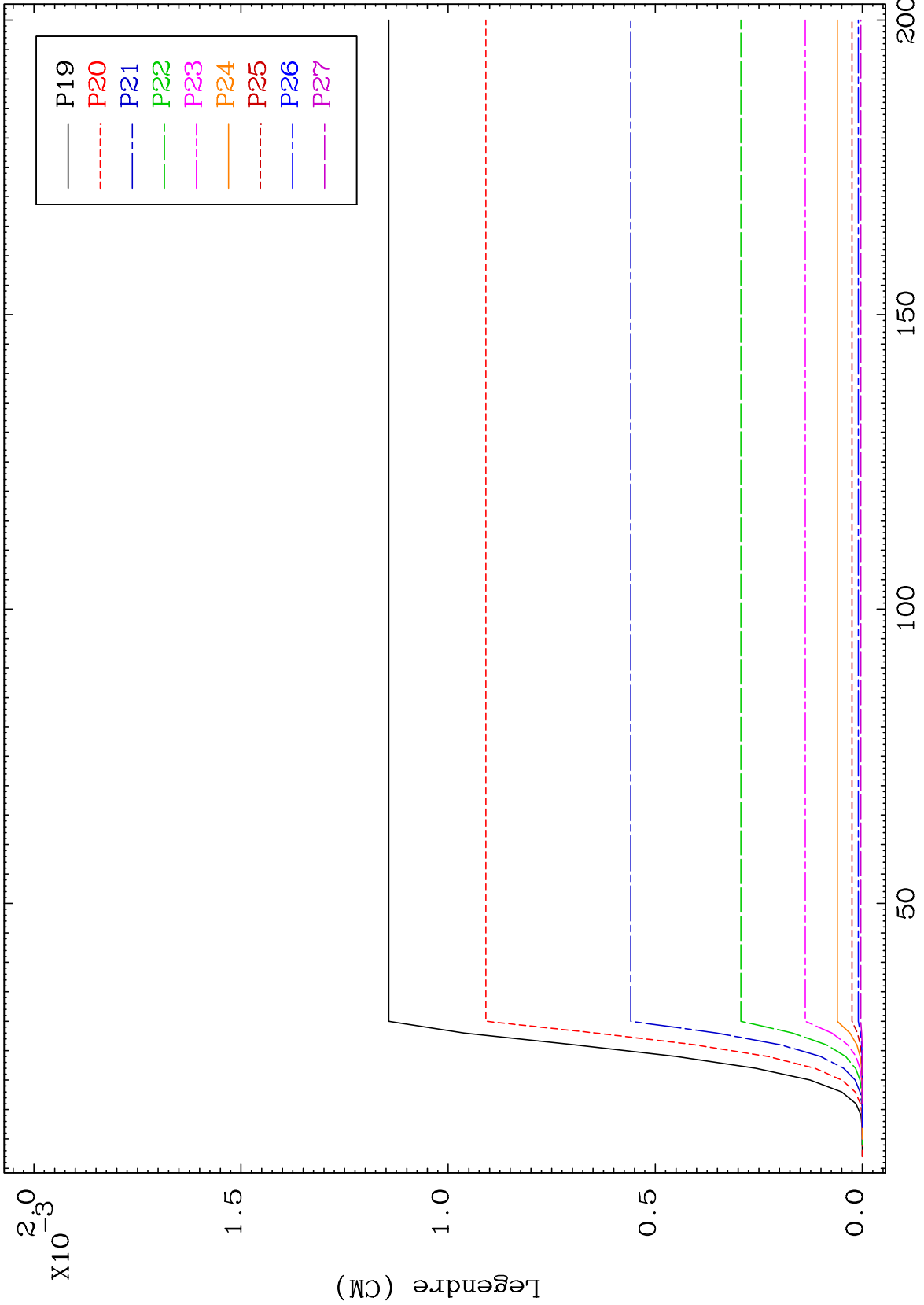
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



42

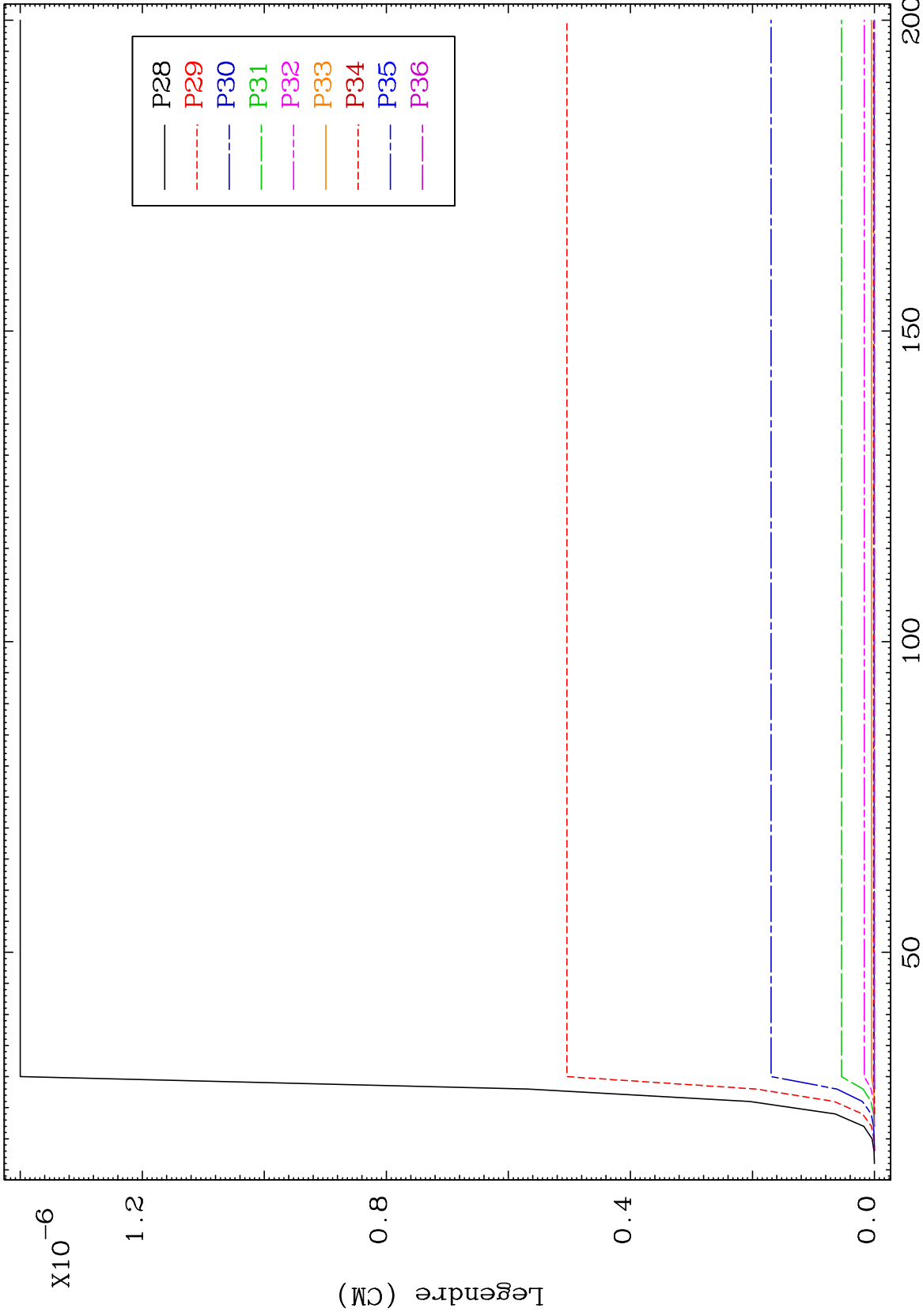
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



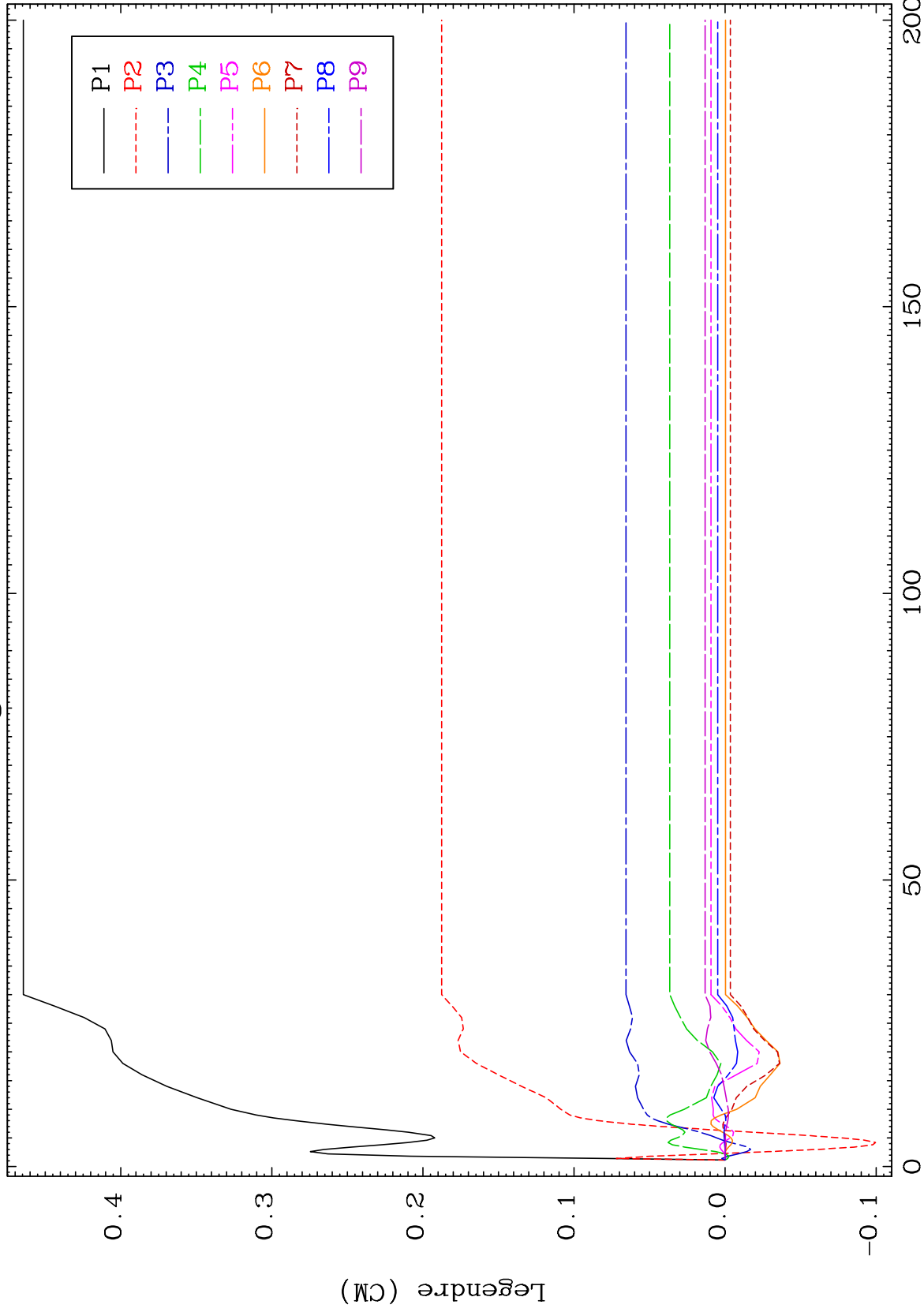
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54-Xe-115

MAT 5398

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

54-Xe-115



44

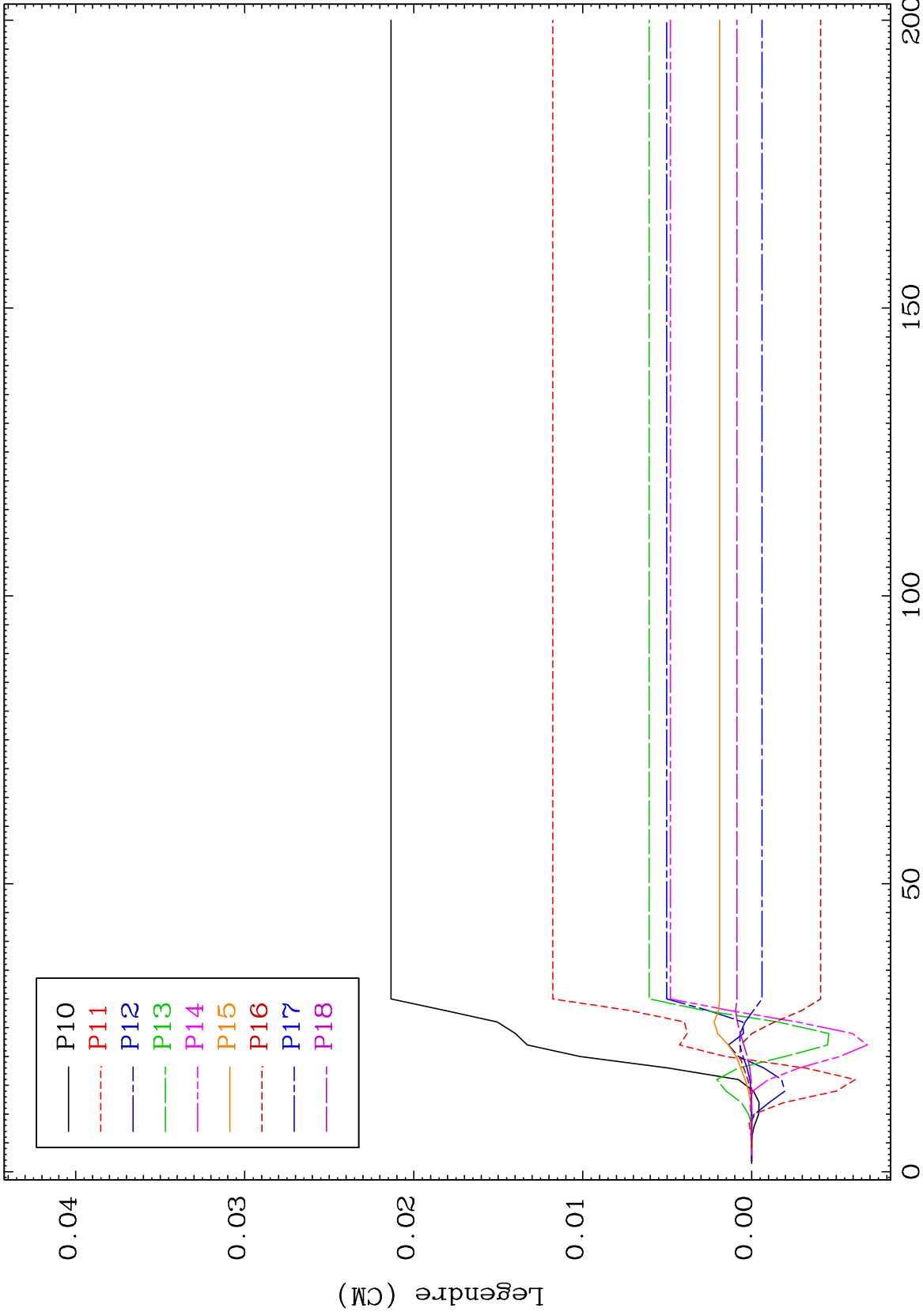
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



45

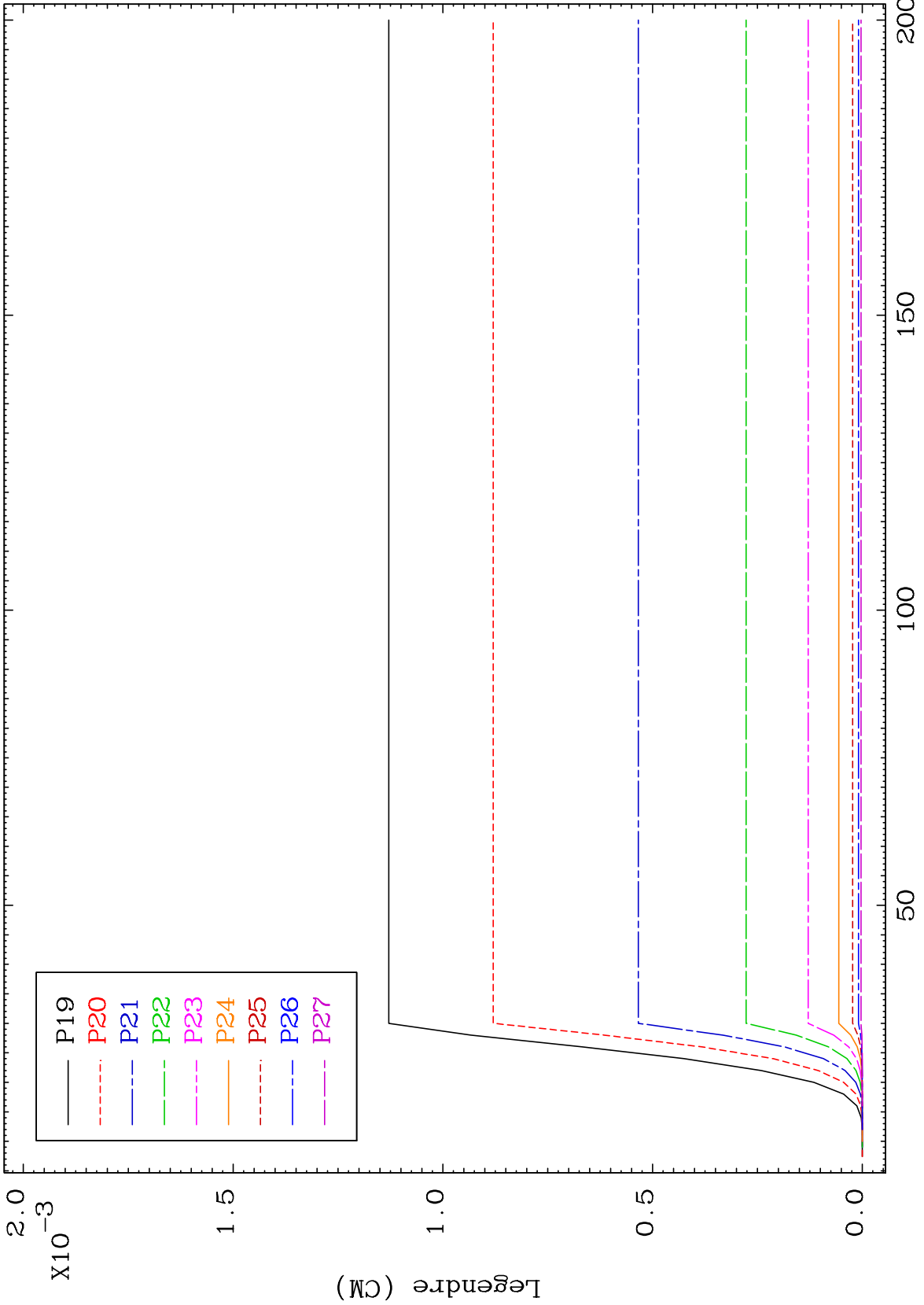
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



46

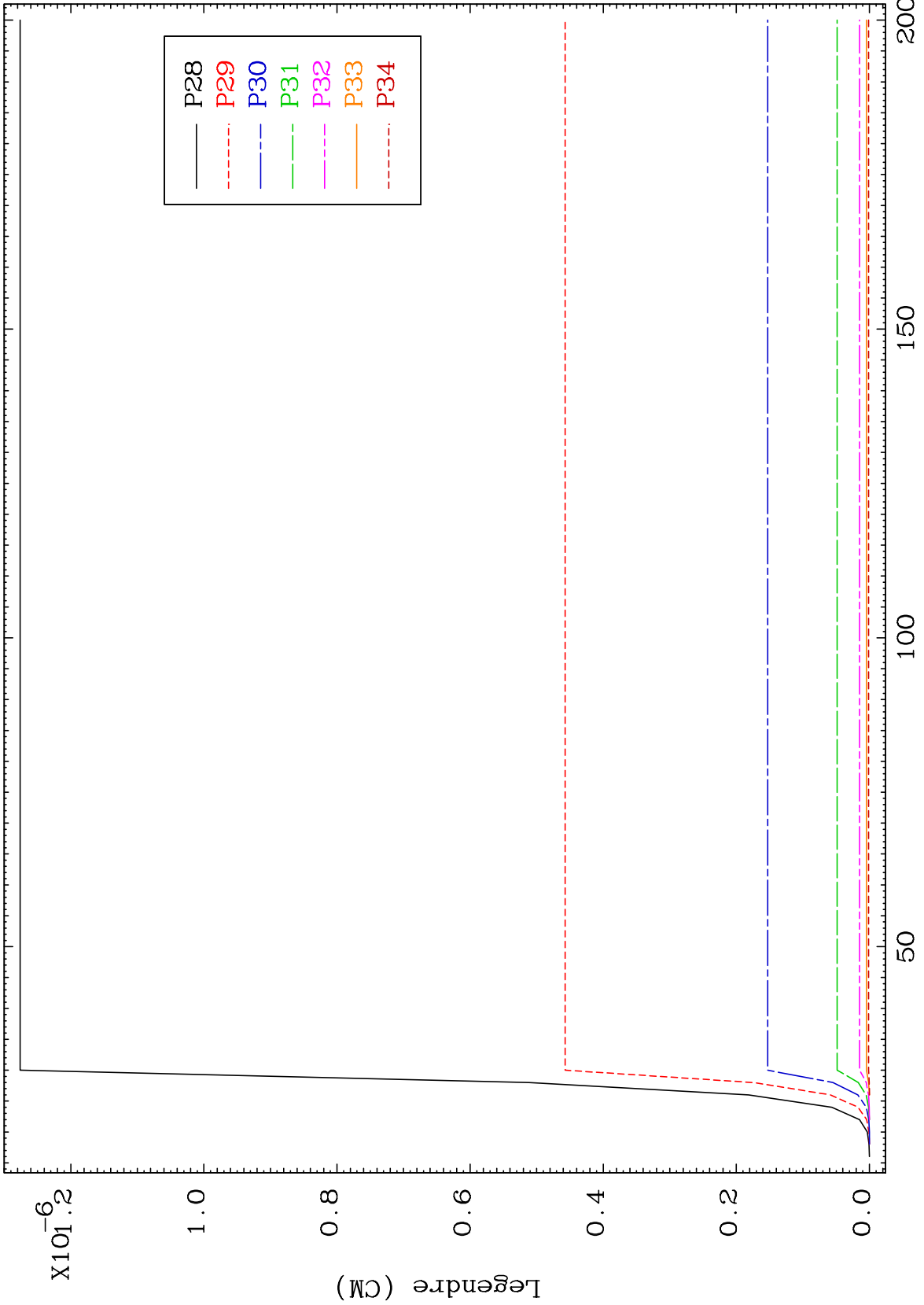
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



47

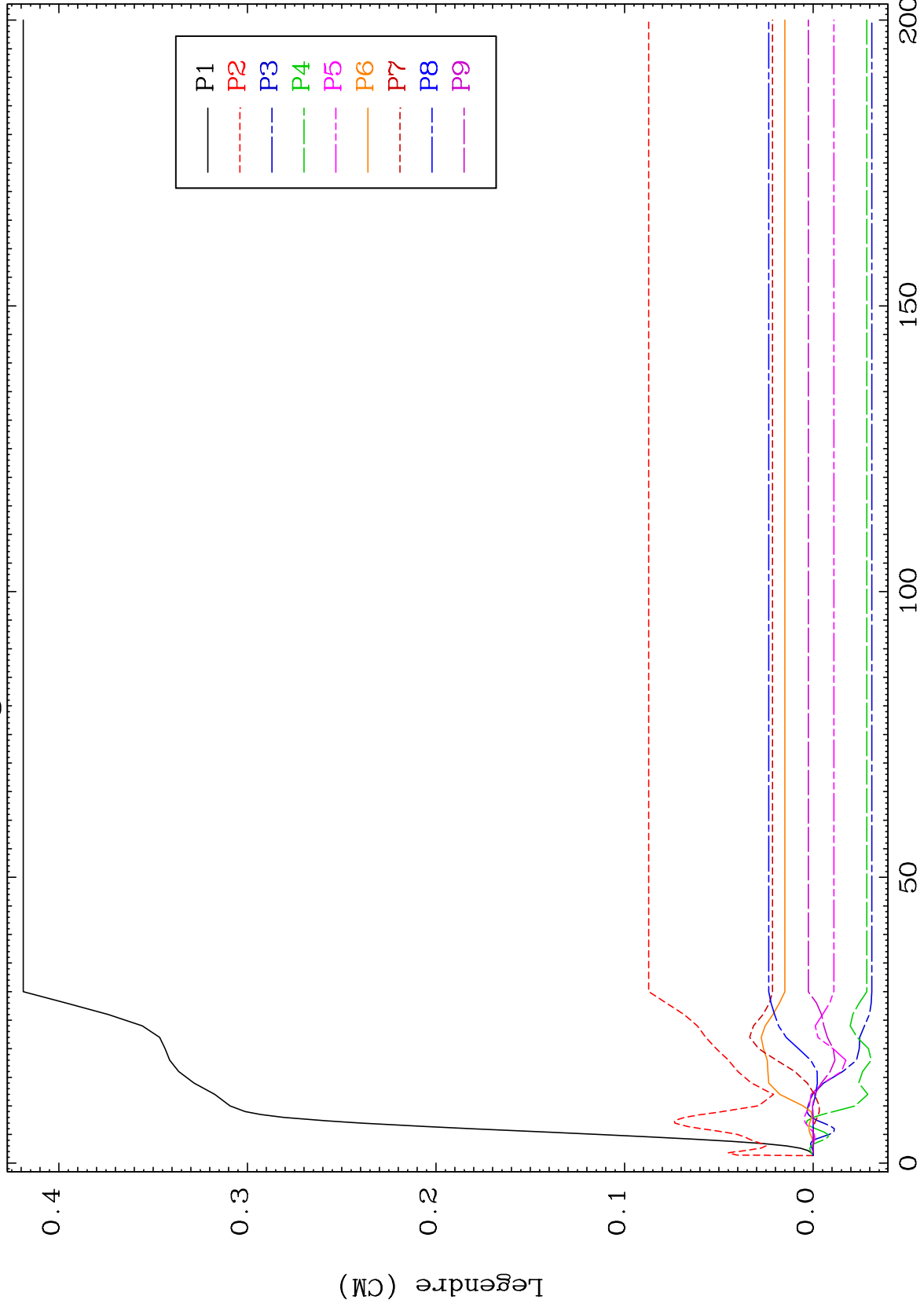
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



48

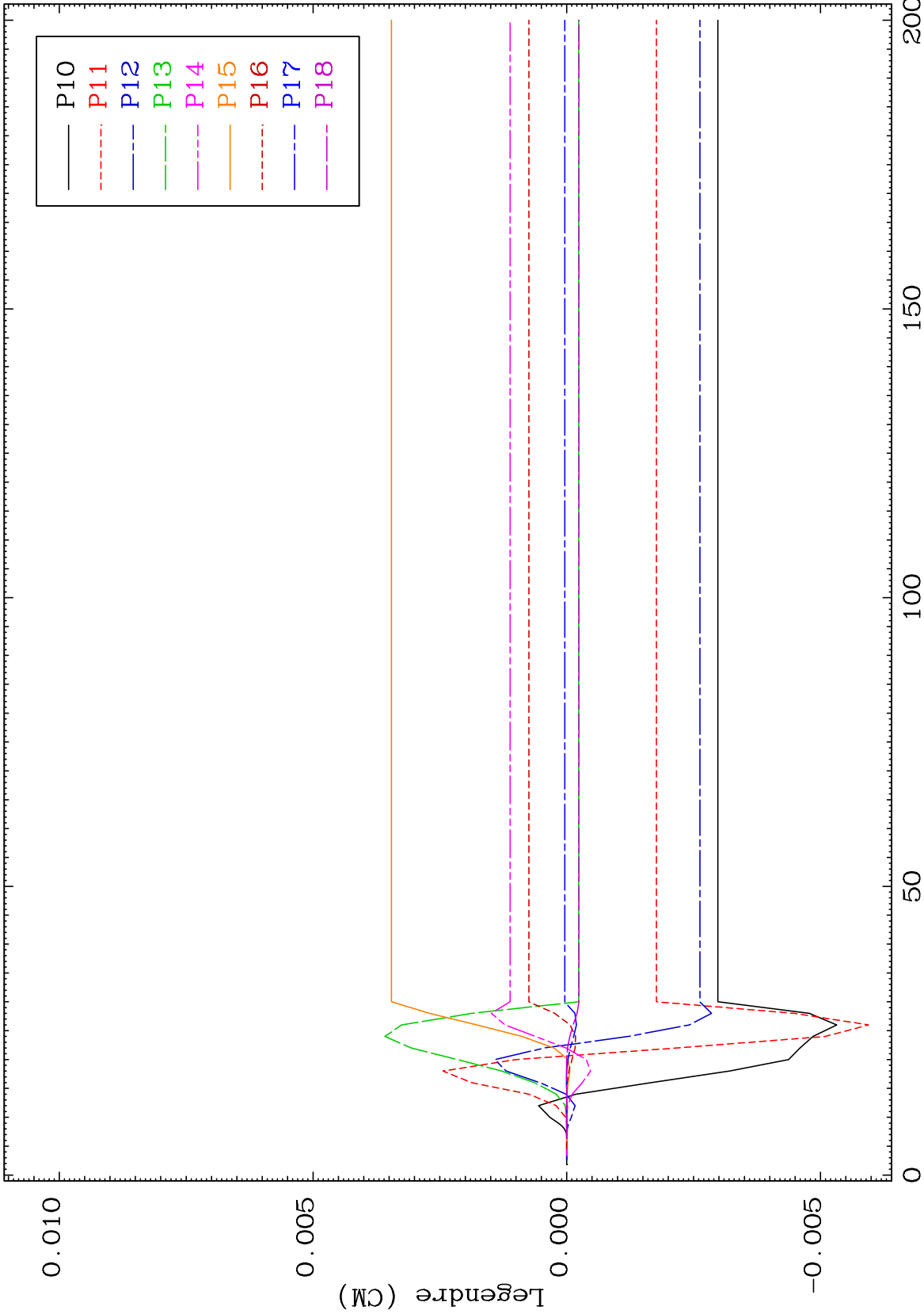
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



49

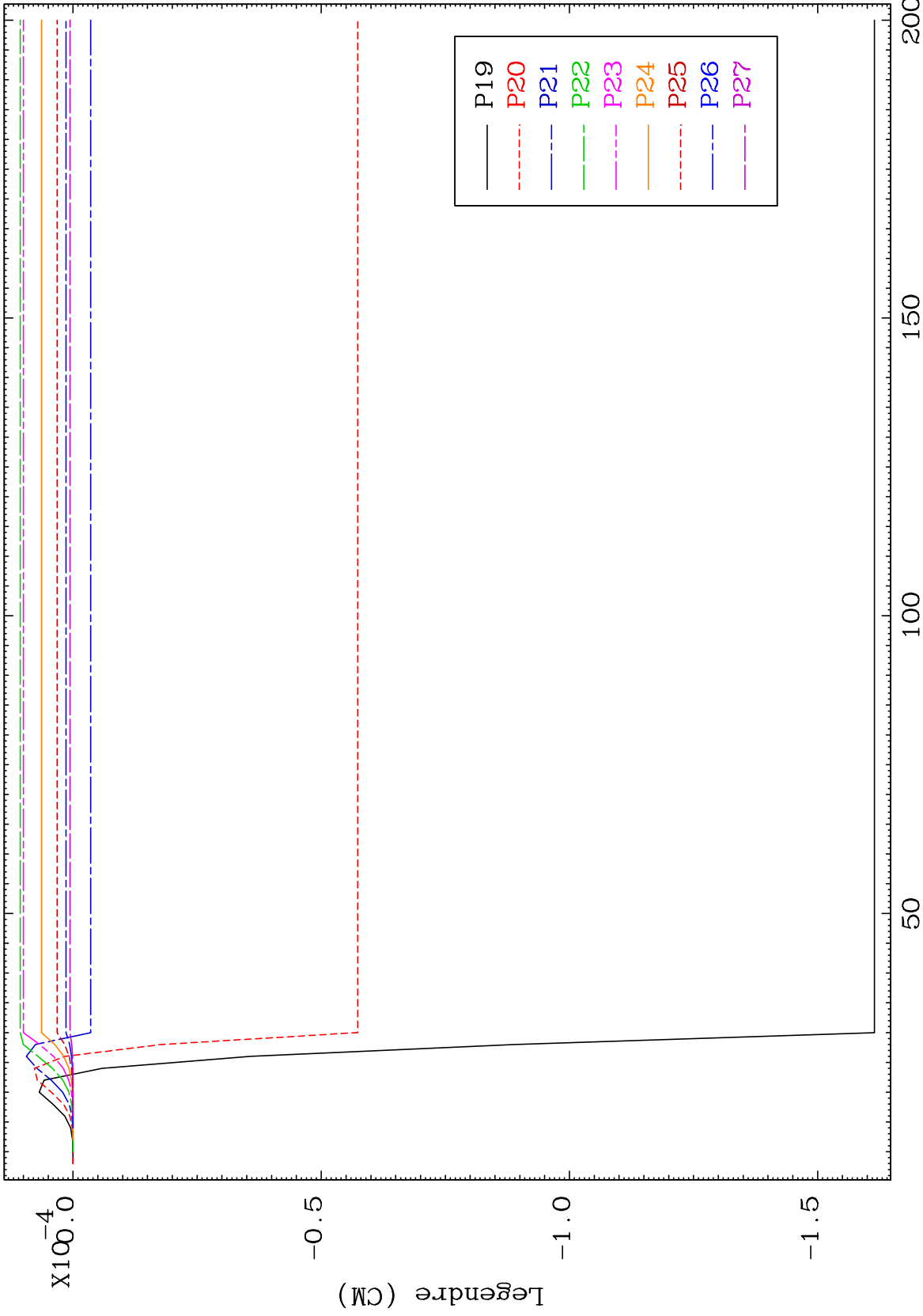
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



50

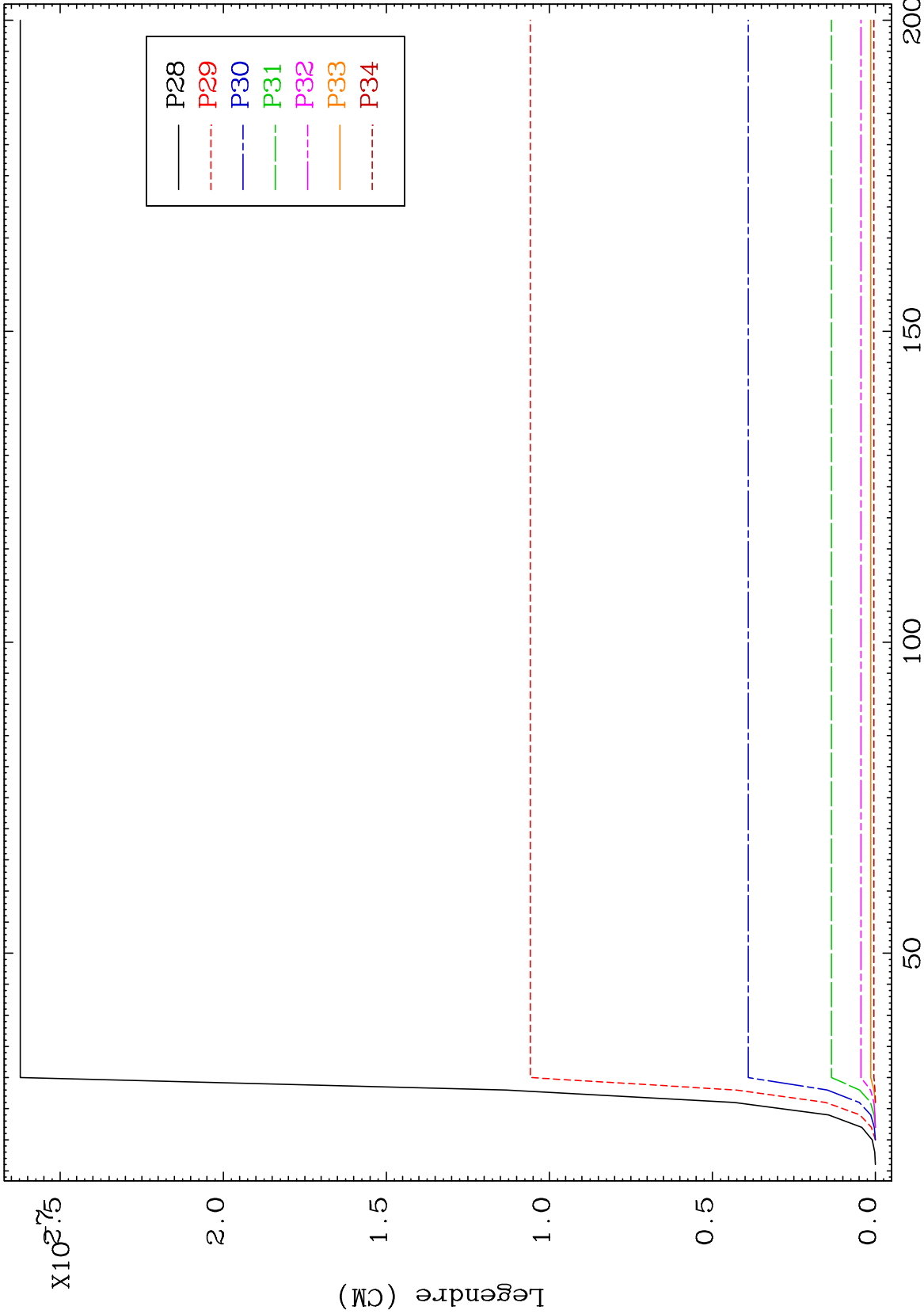
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



51

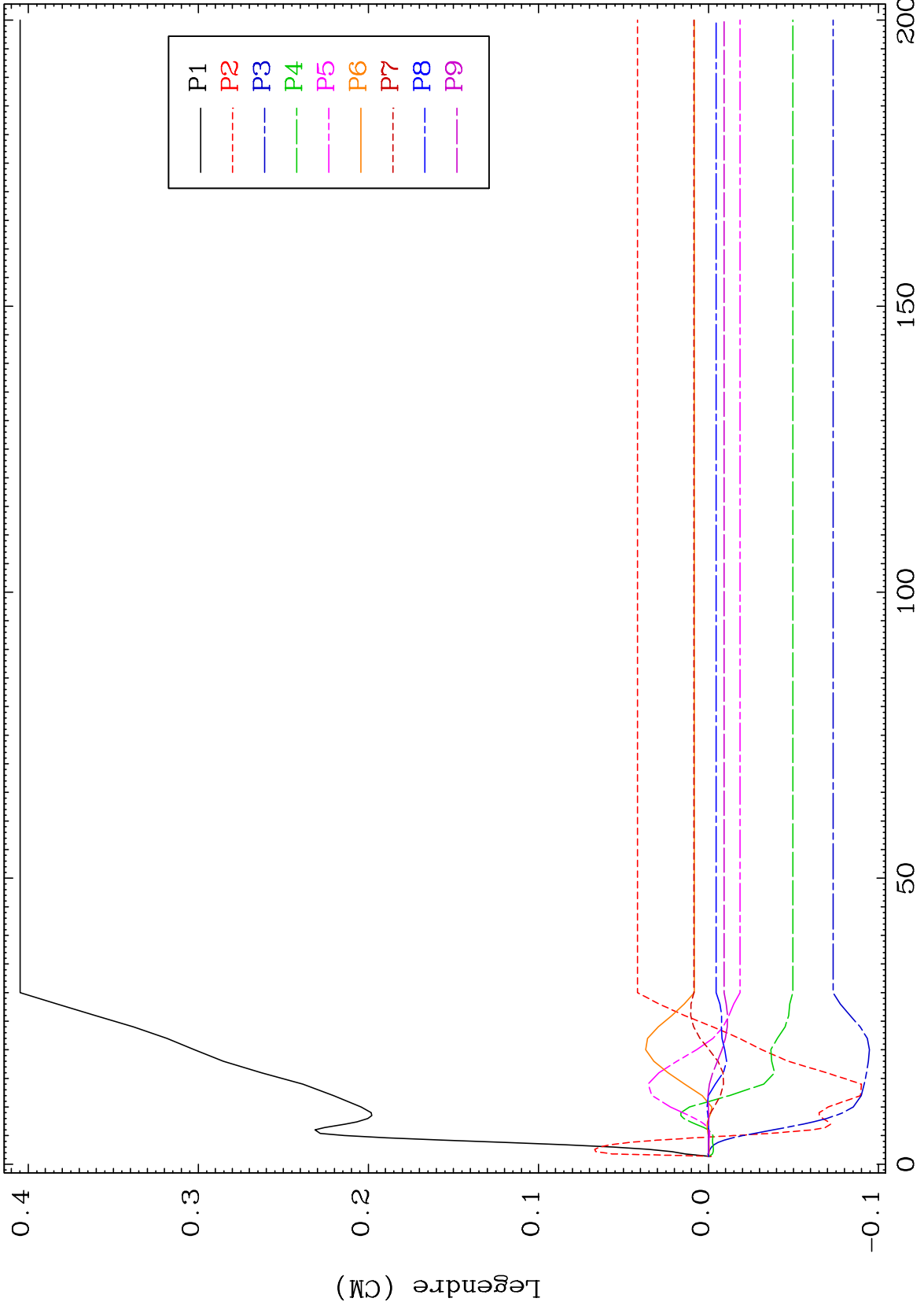
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



52

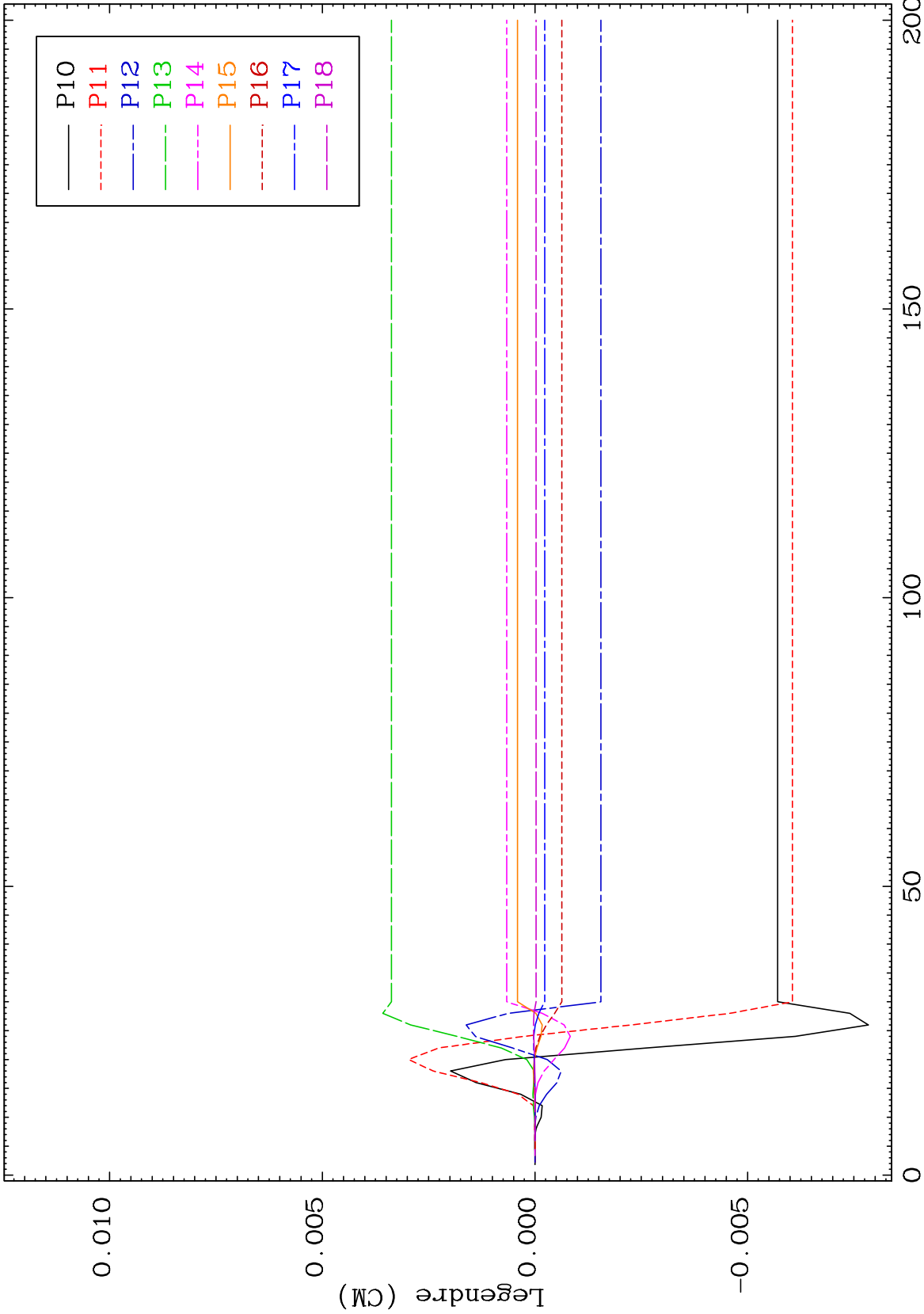
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



53

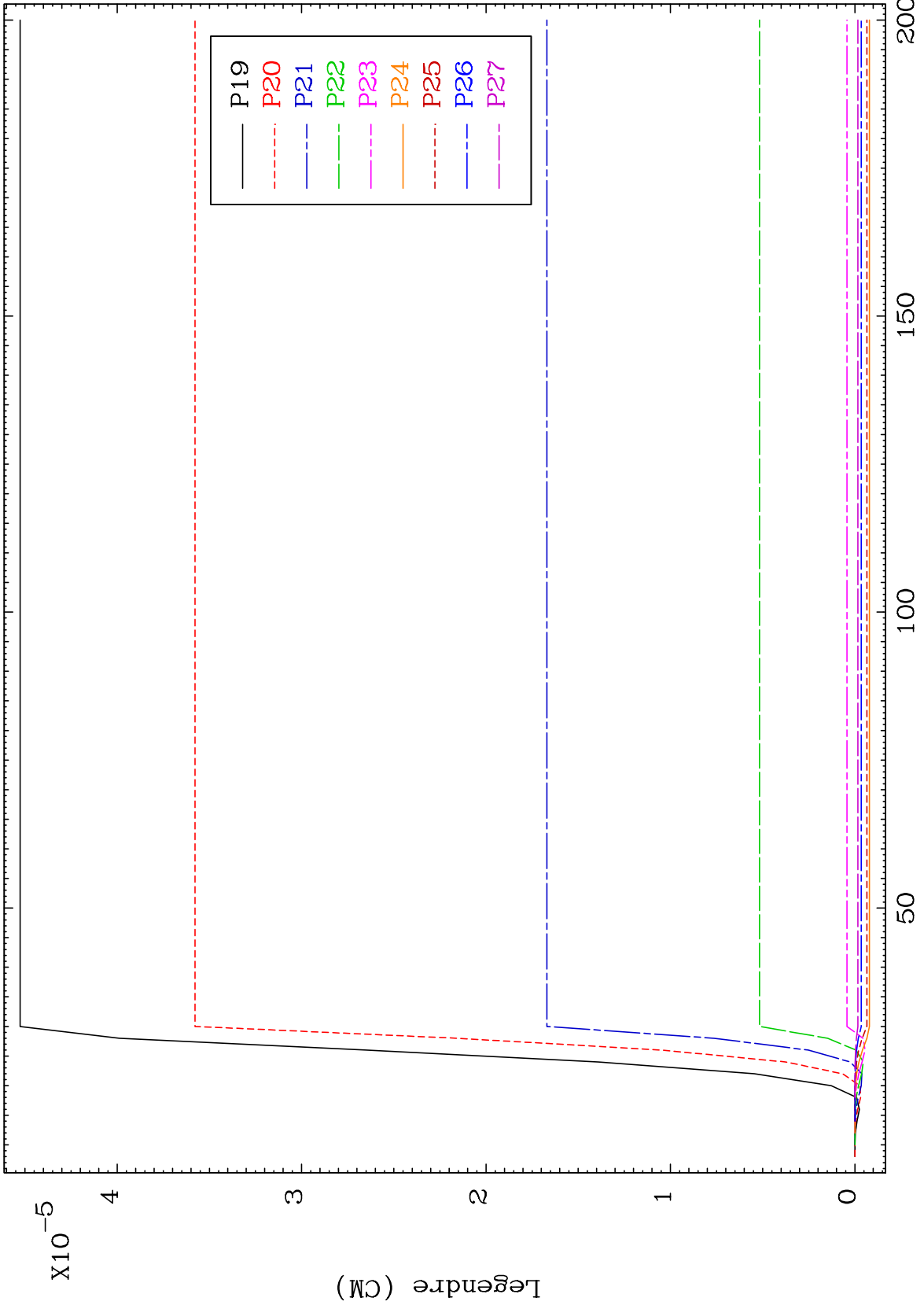
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

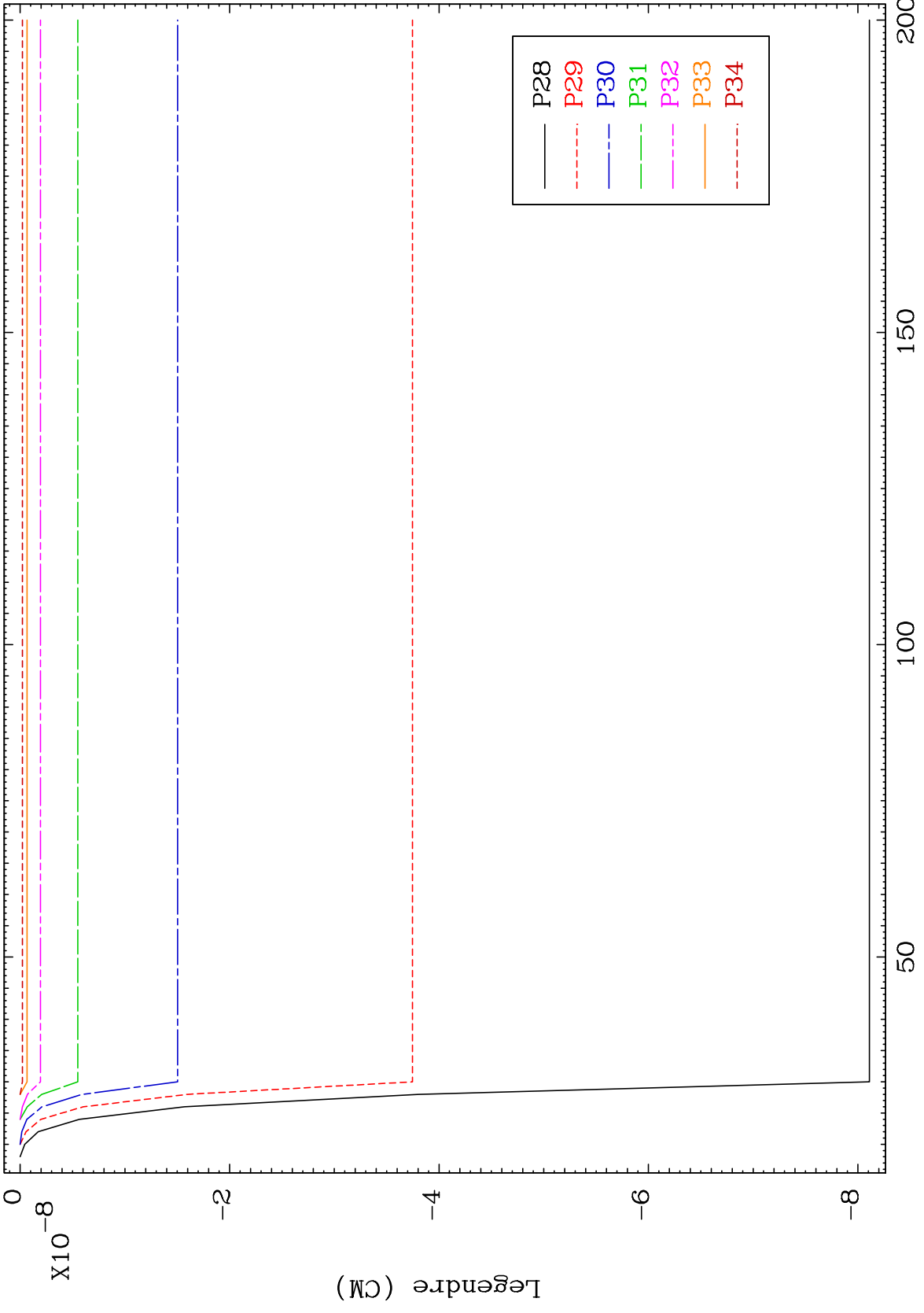
54-Xe-115



54

54-Xe-115

MAT 5398 MT= 59 (n,n') Level Legendre Coefficients 54-Xe-115

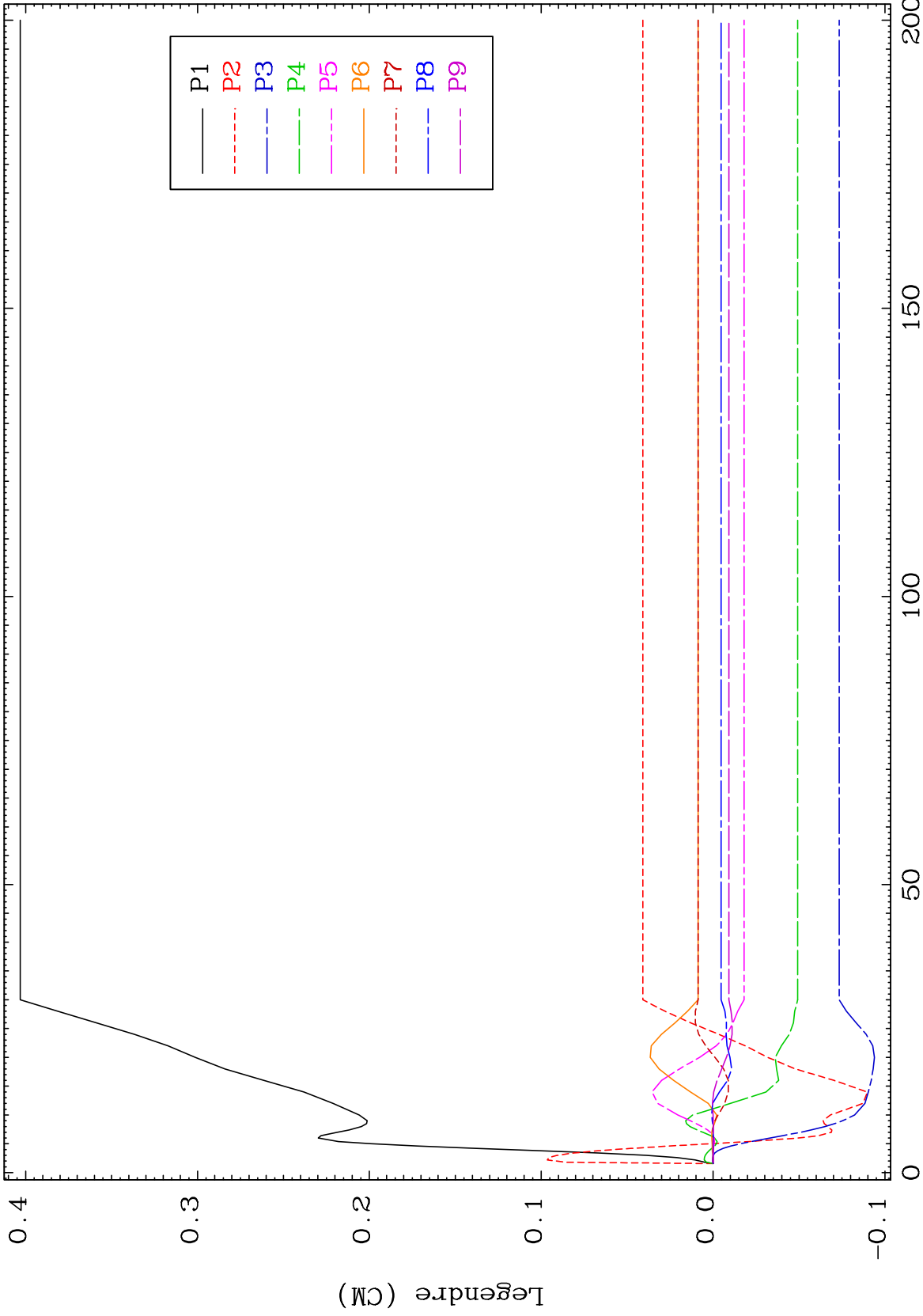


55 54-Xe-115

MAT 5398

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

54-Xe-115



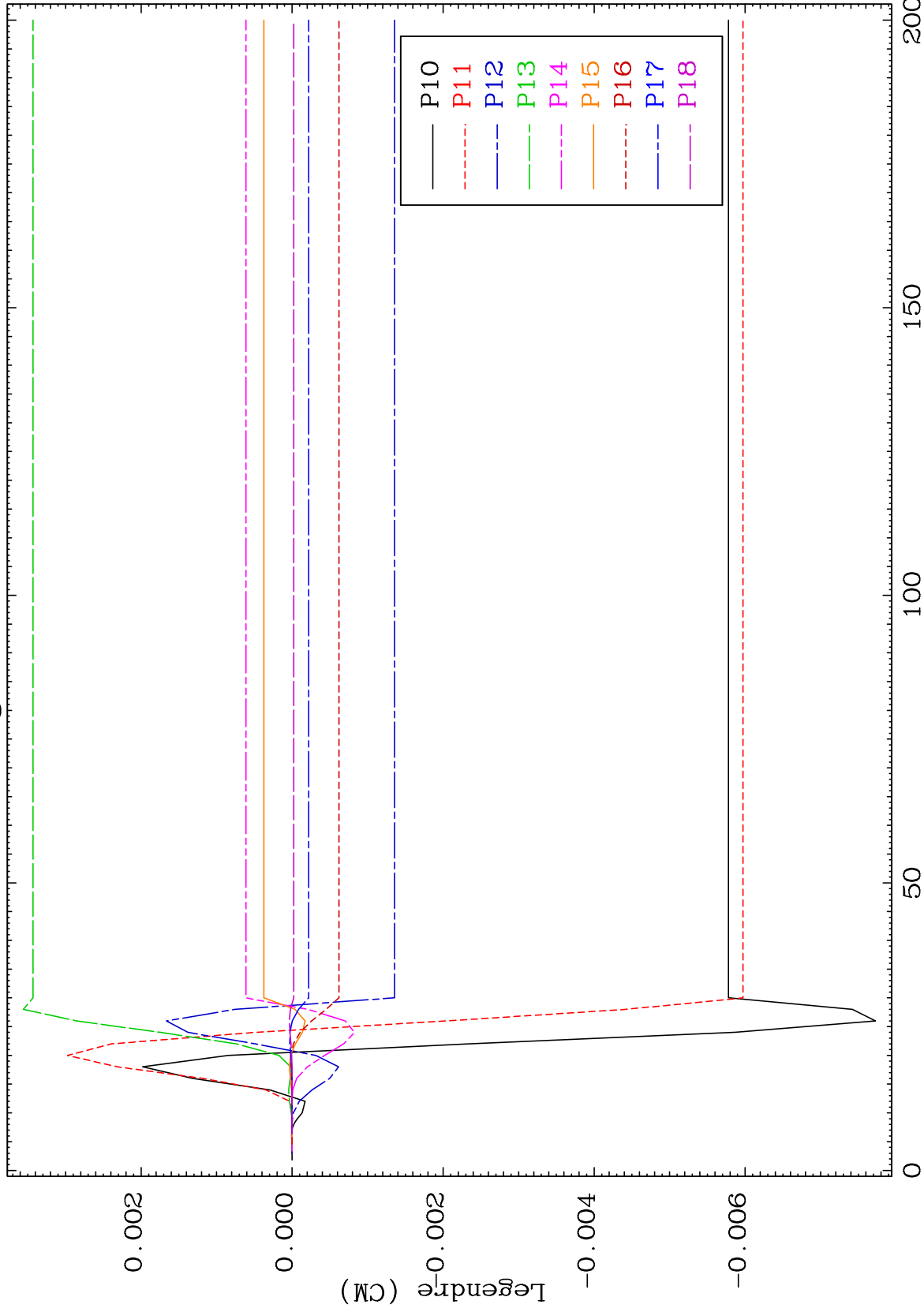
56

54-Xe-115

MAT 5398

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

54-Xe-115



57

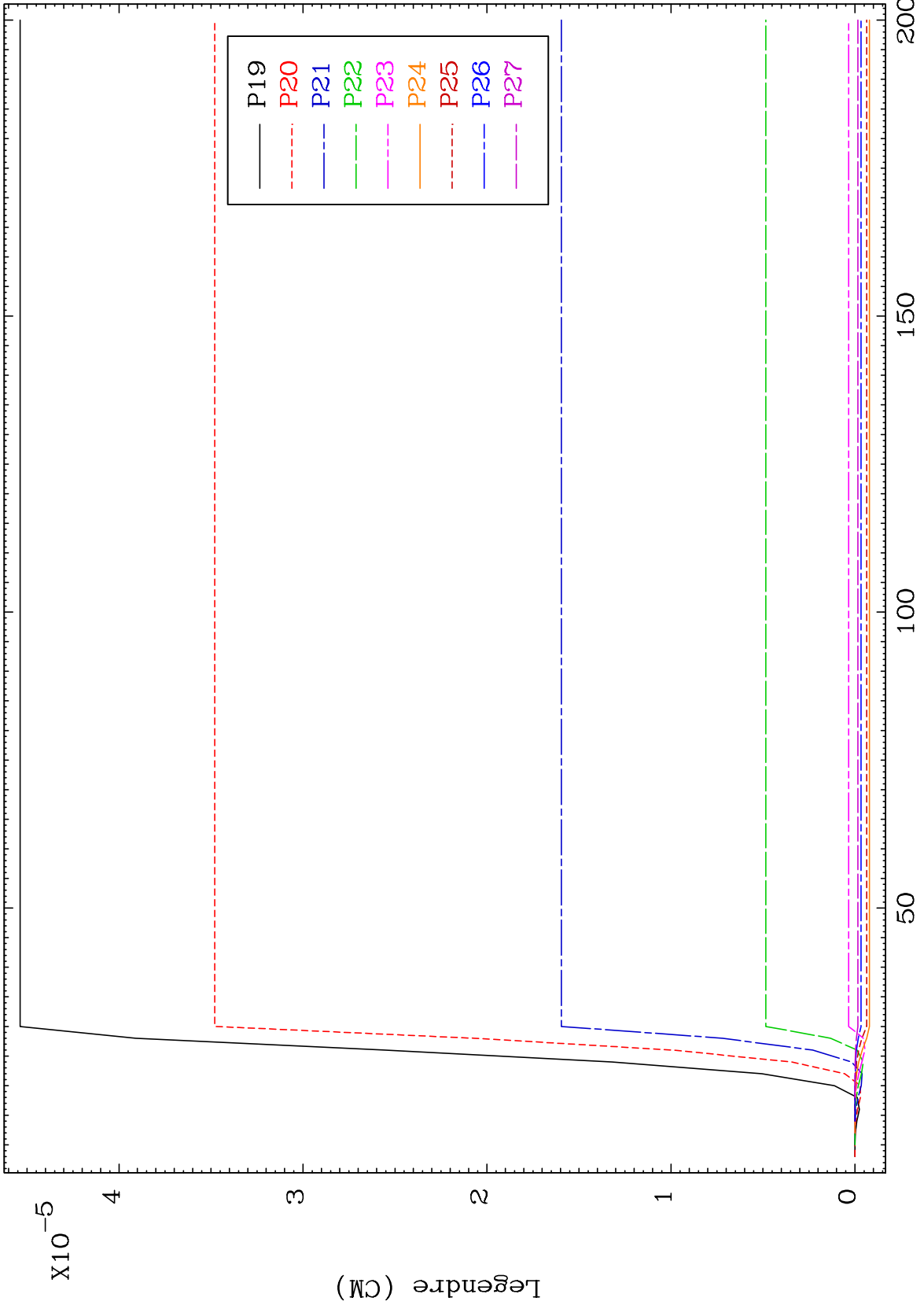
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



58

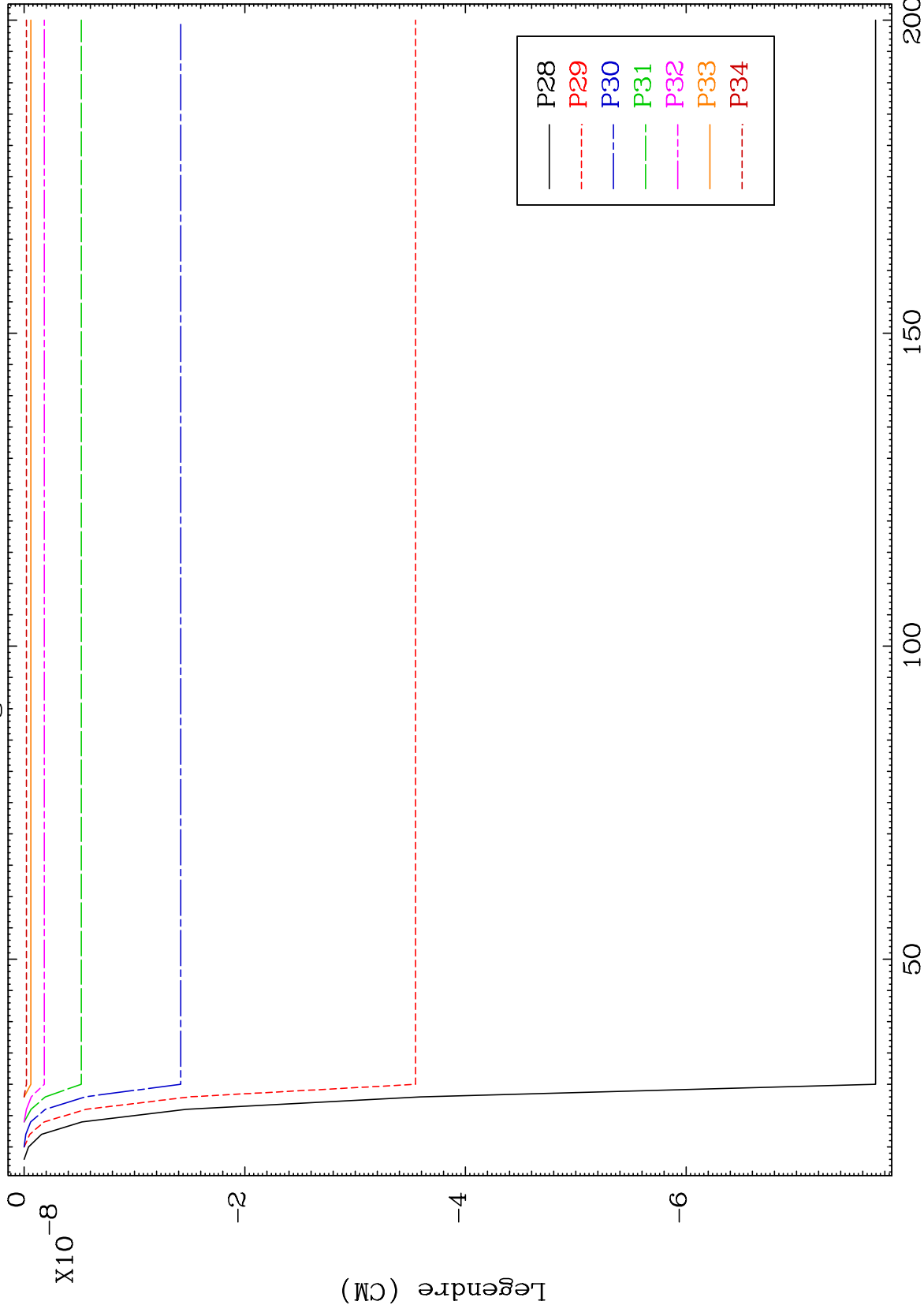
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



54-Xe-115

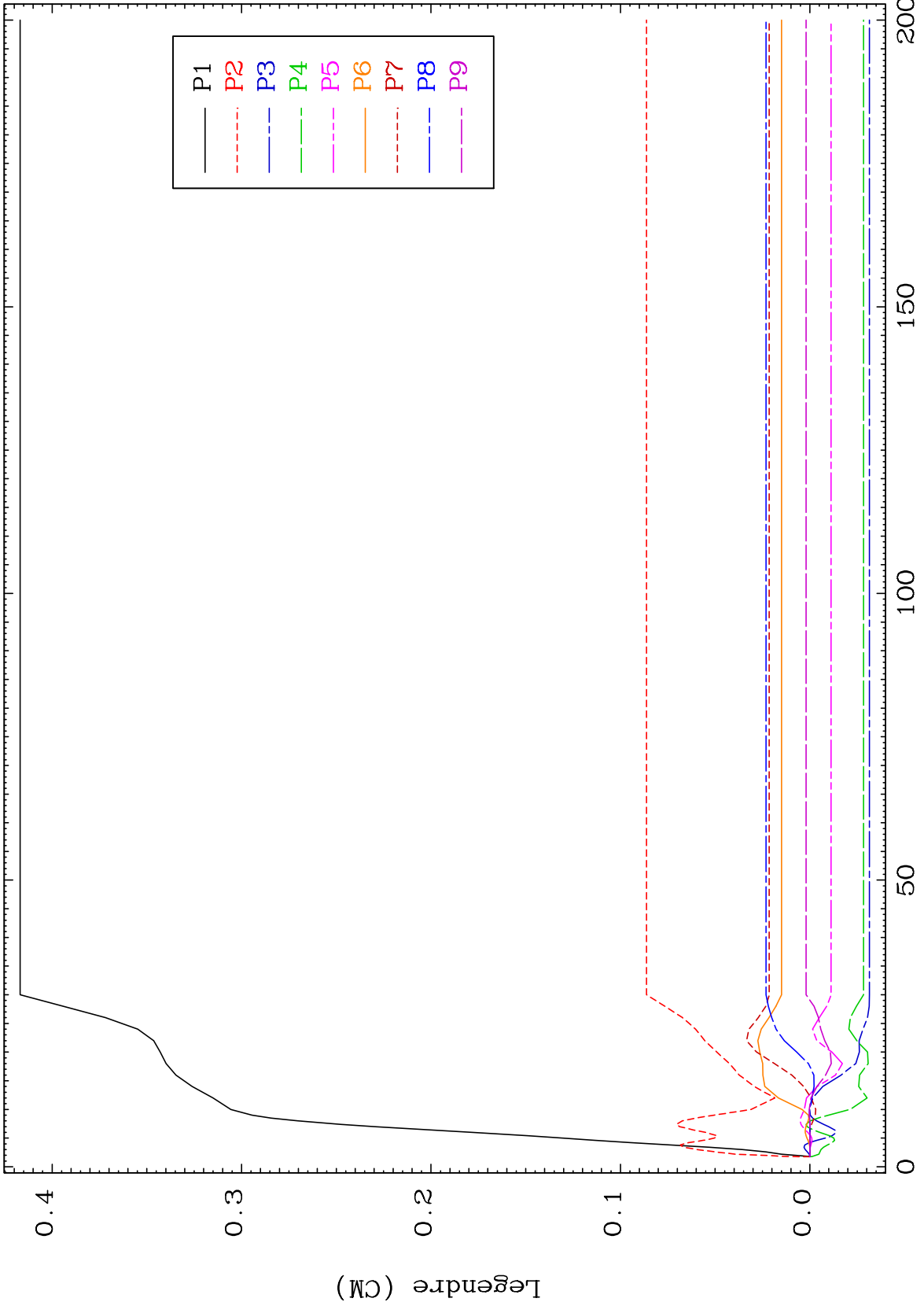
Incident Energy (MeV)

59

MAT 5398

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

54-Xe-115



60

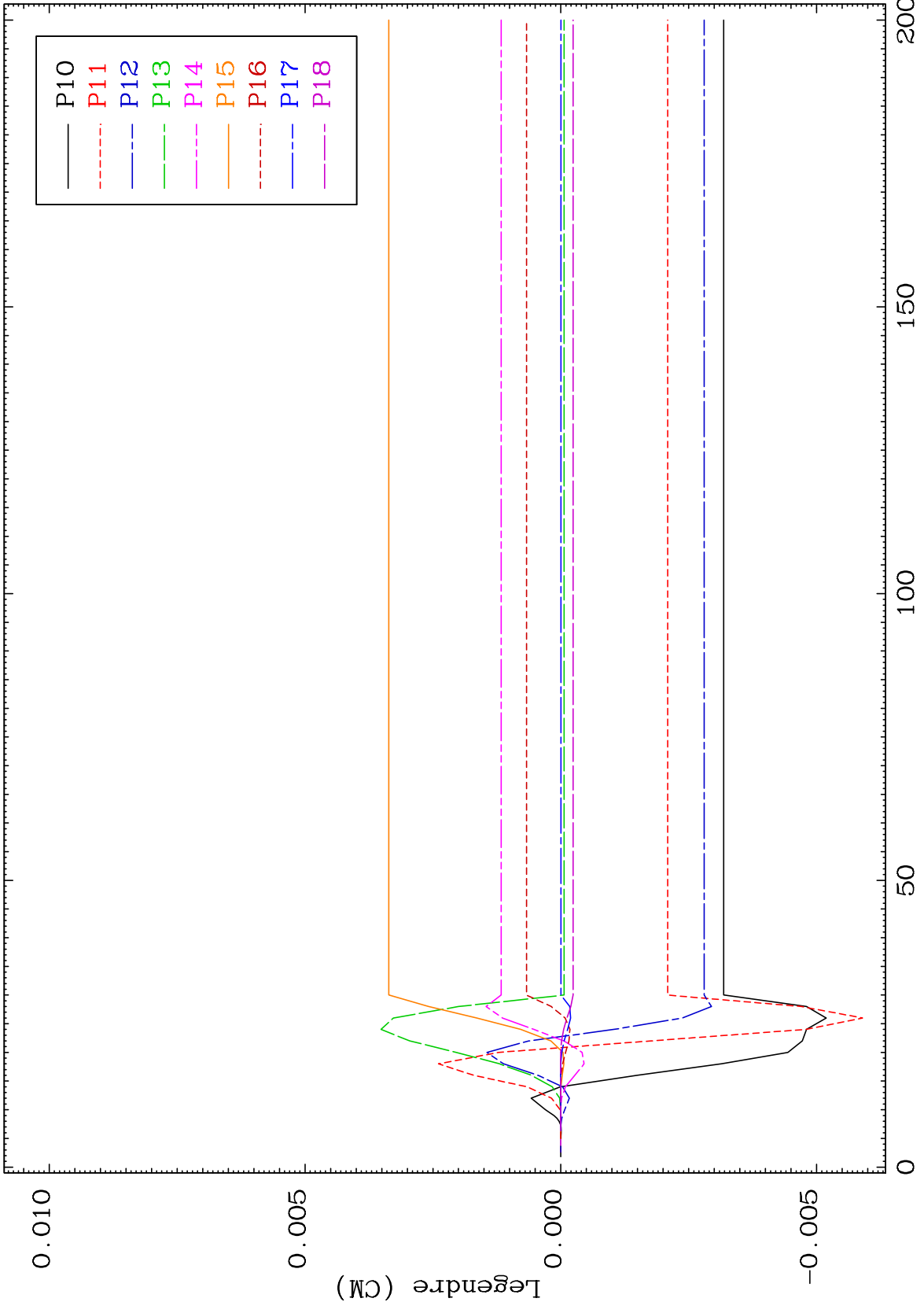
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



61

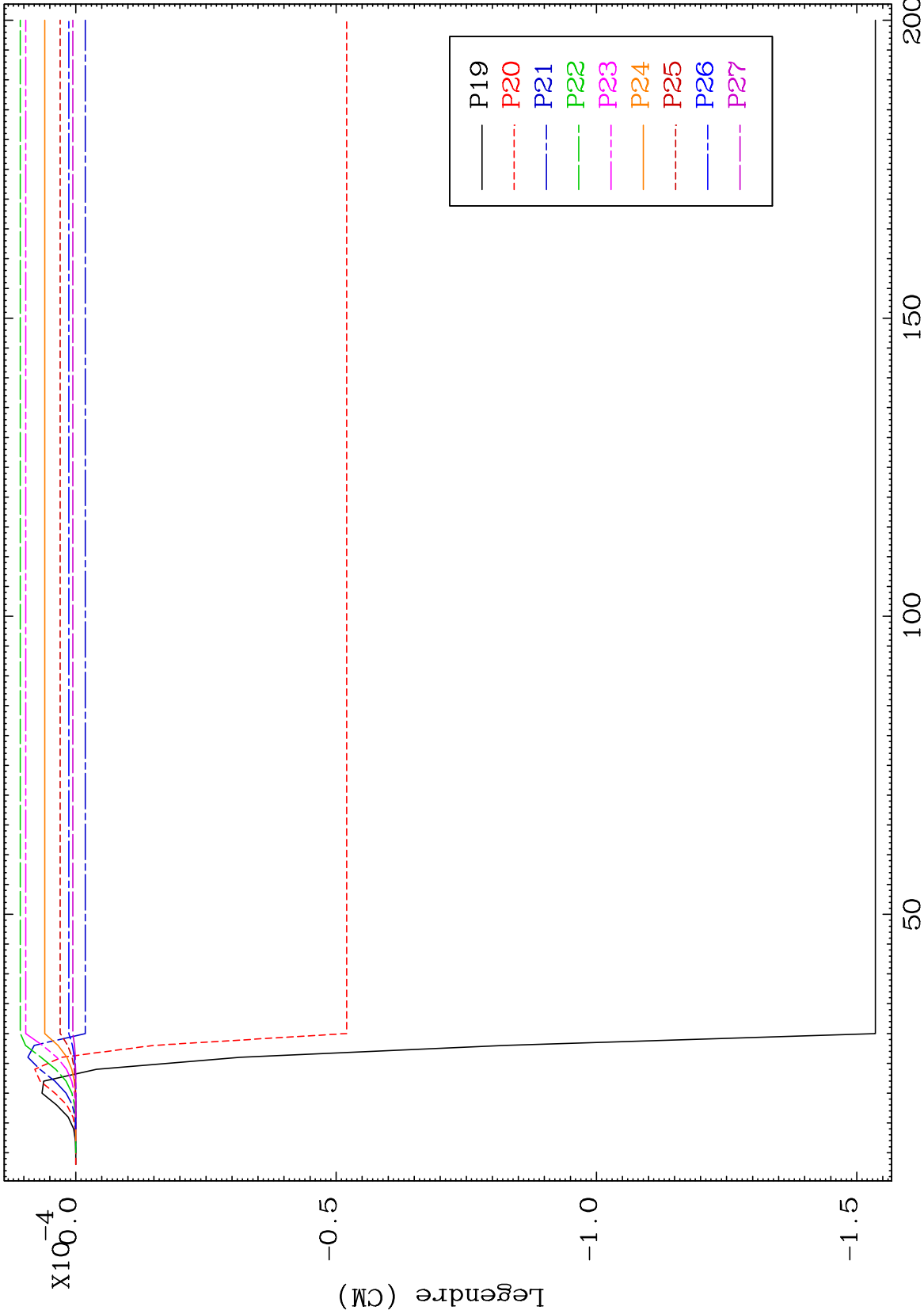
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



62

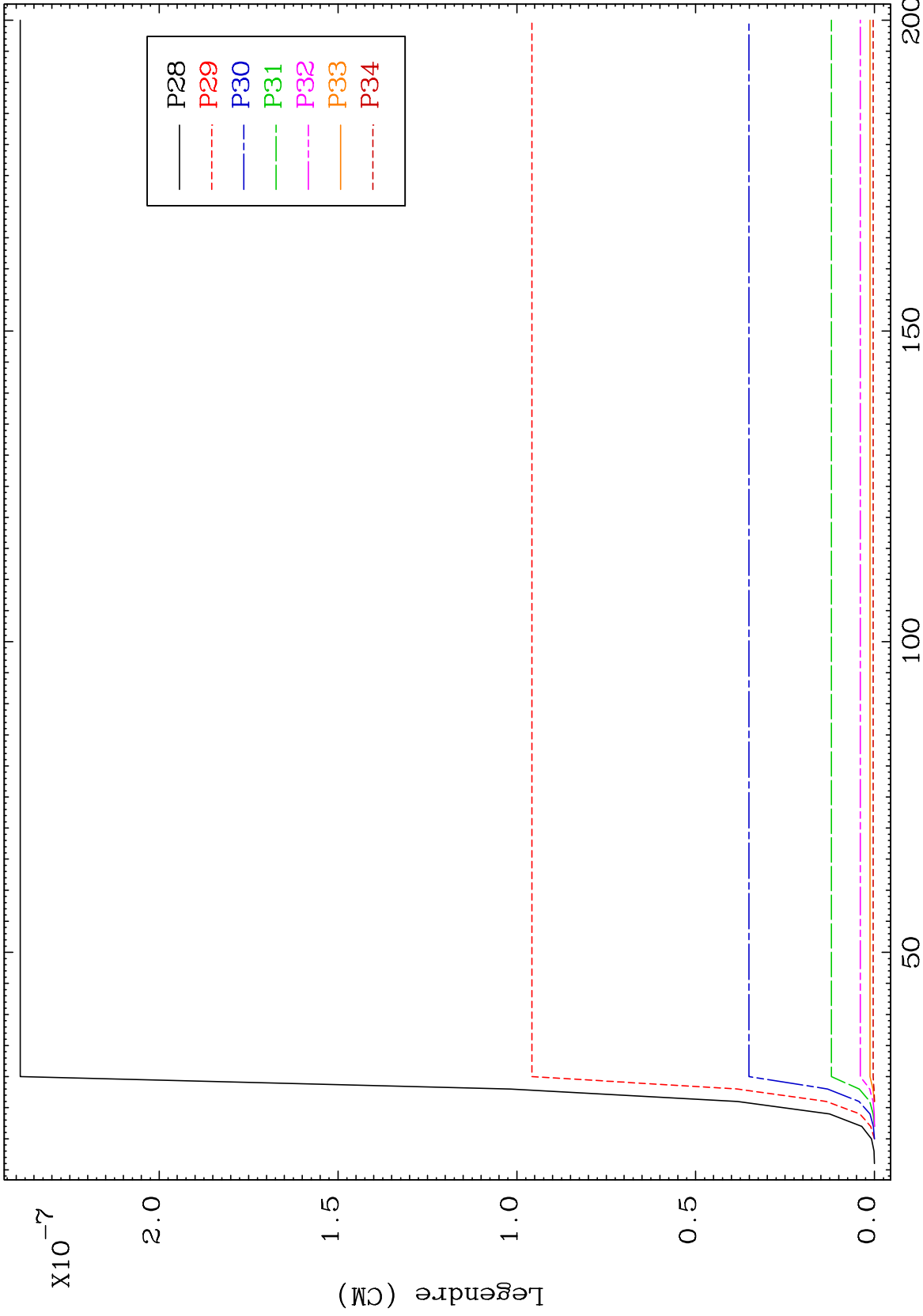
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



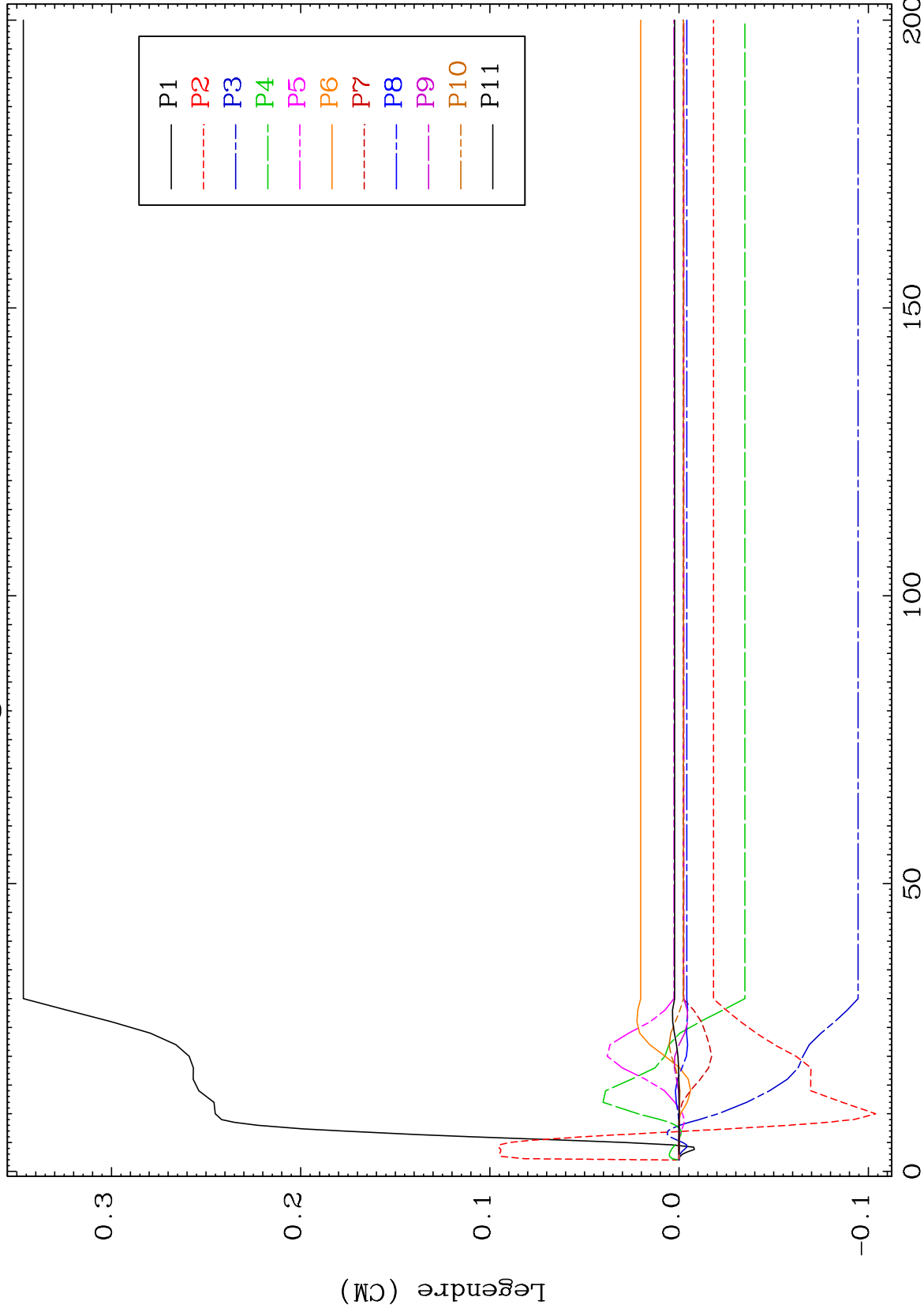
63

54-Xe-115

MAT 5398

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

54-Xe-115



64

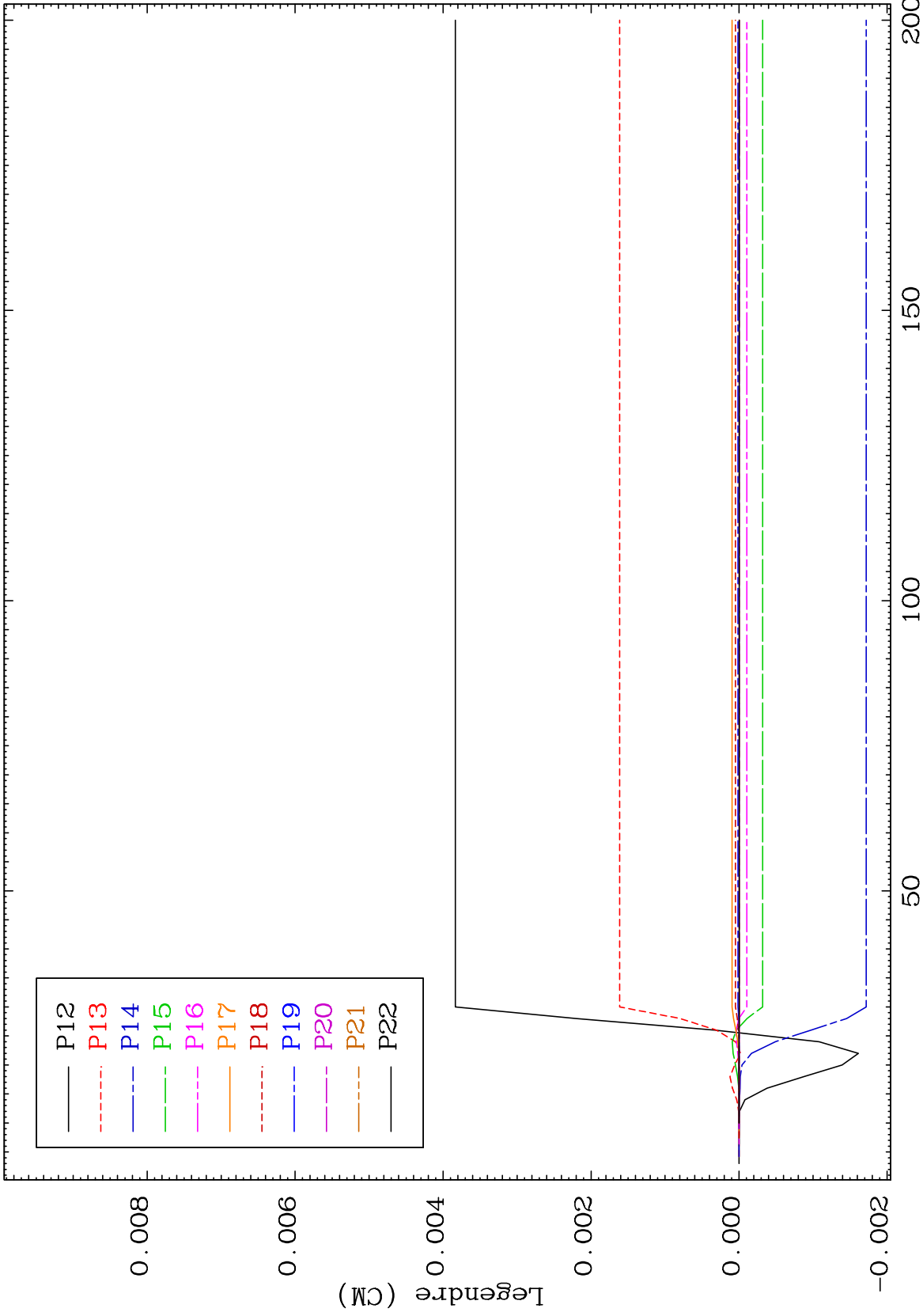
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



65

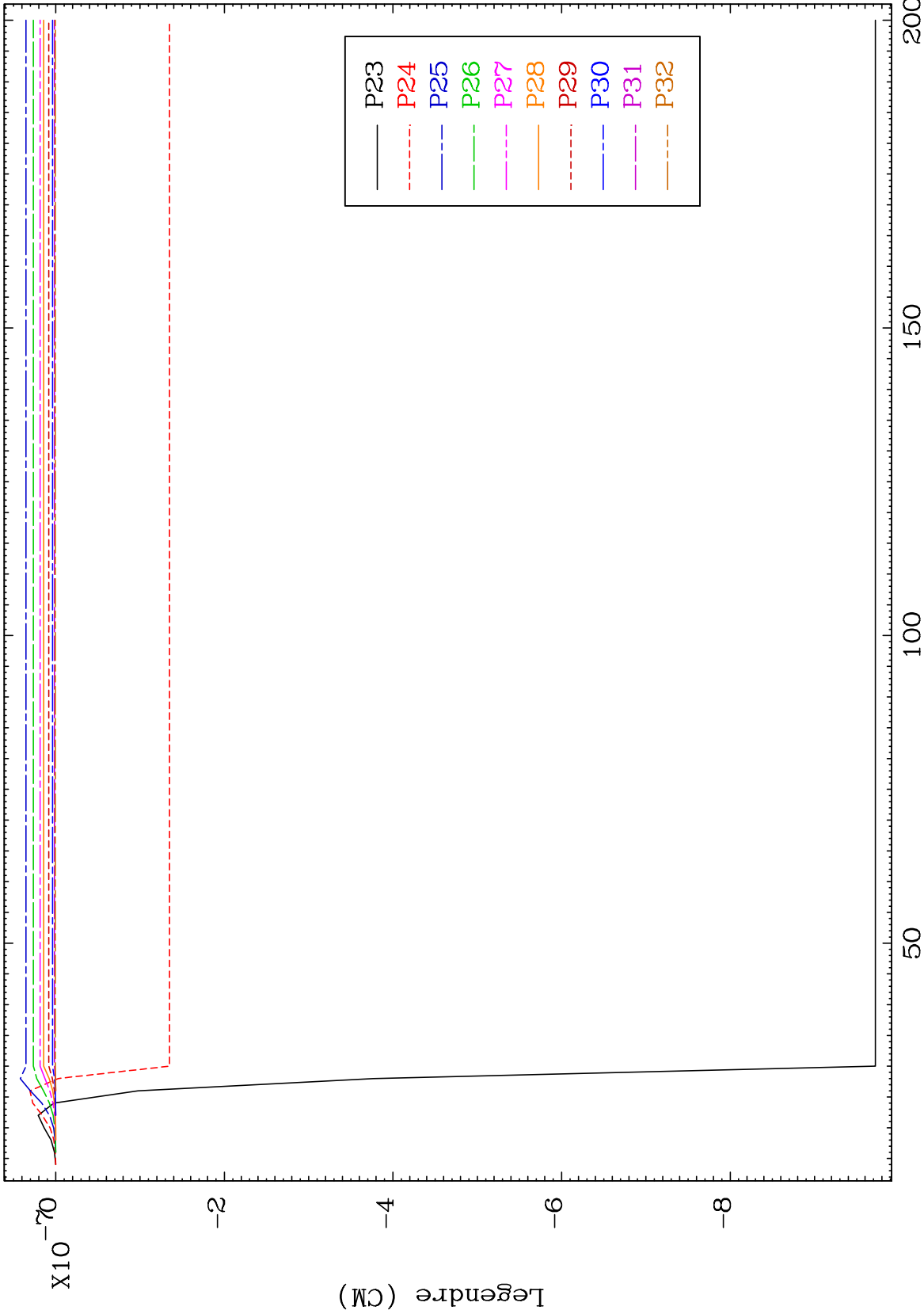
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



66

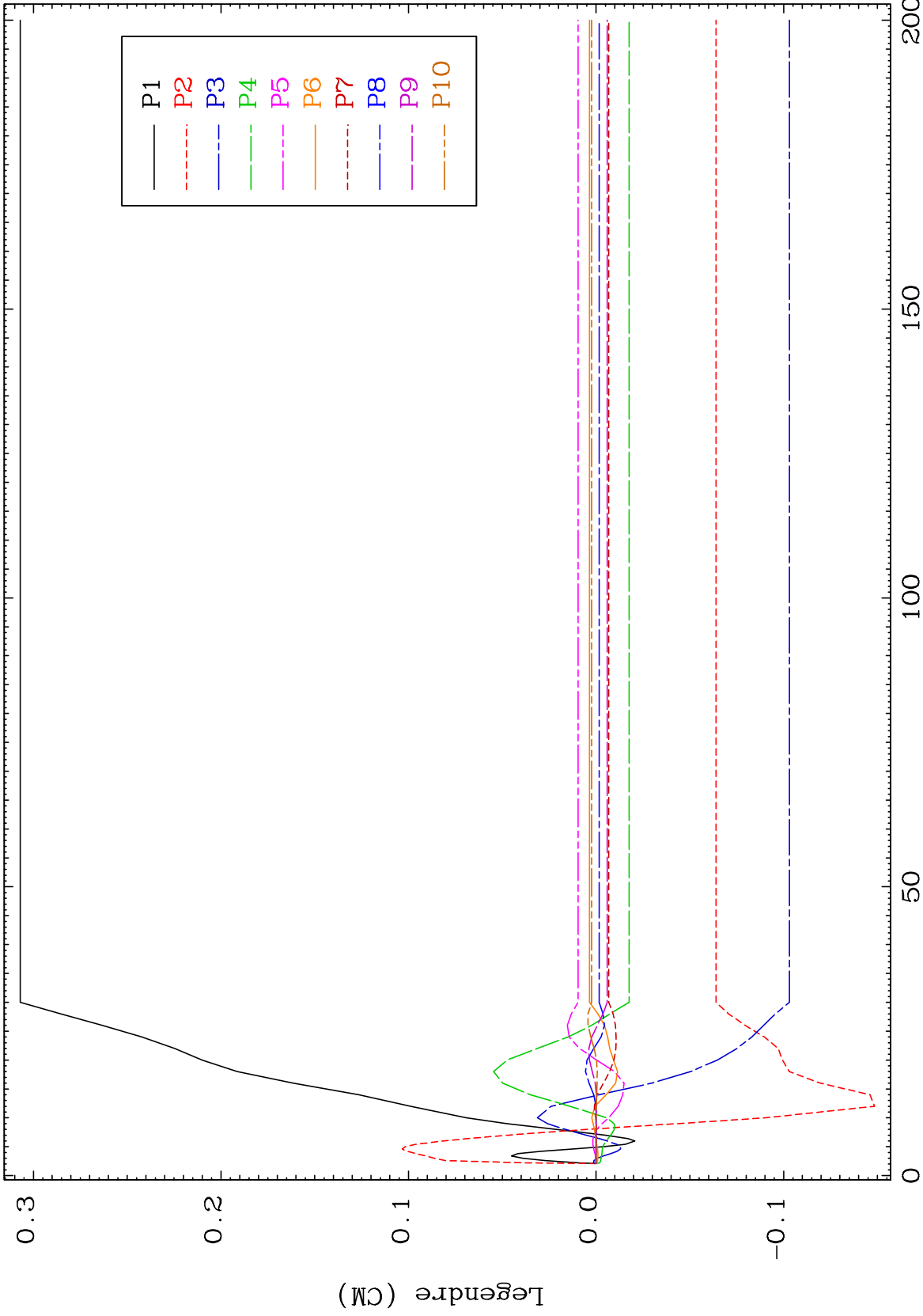
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



67

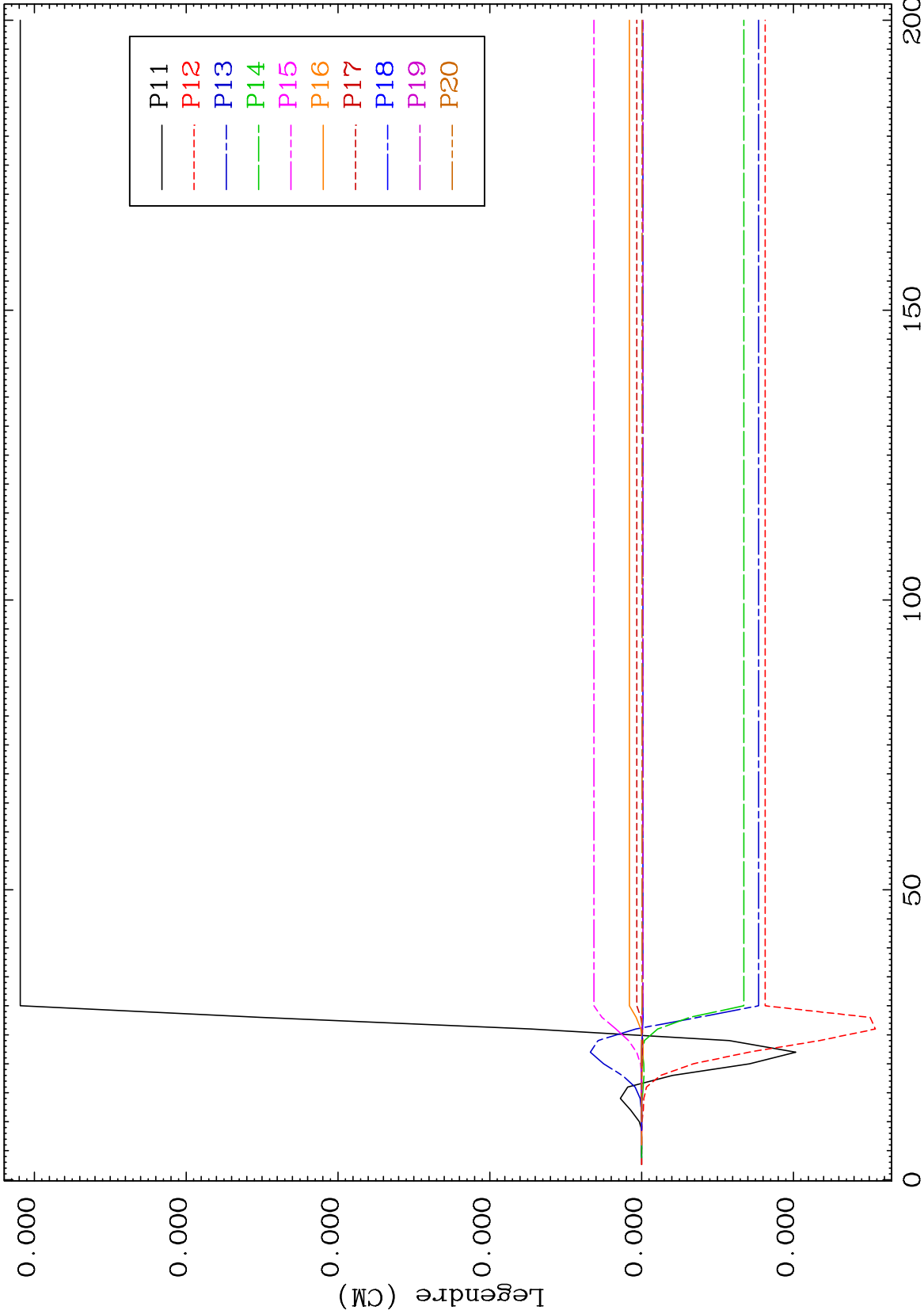
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



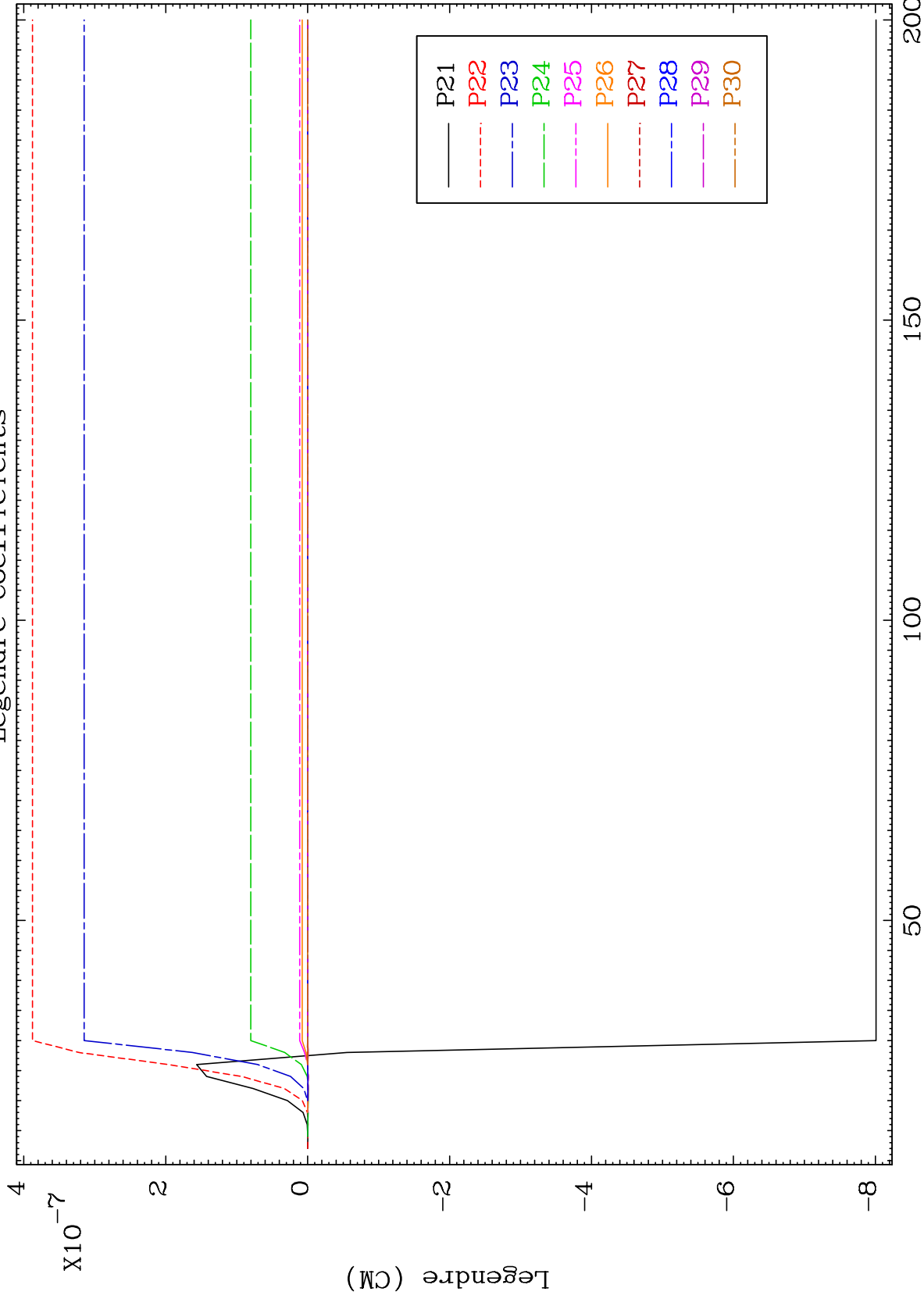
68

54-Xe-115

MAT 5398

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

54-Xe-115

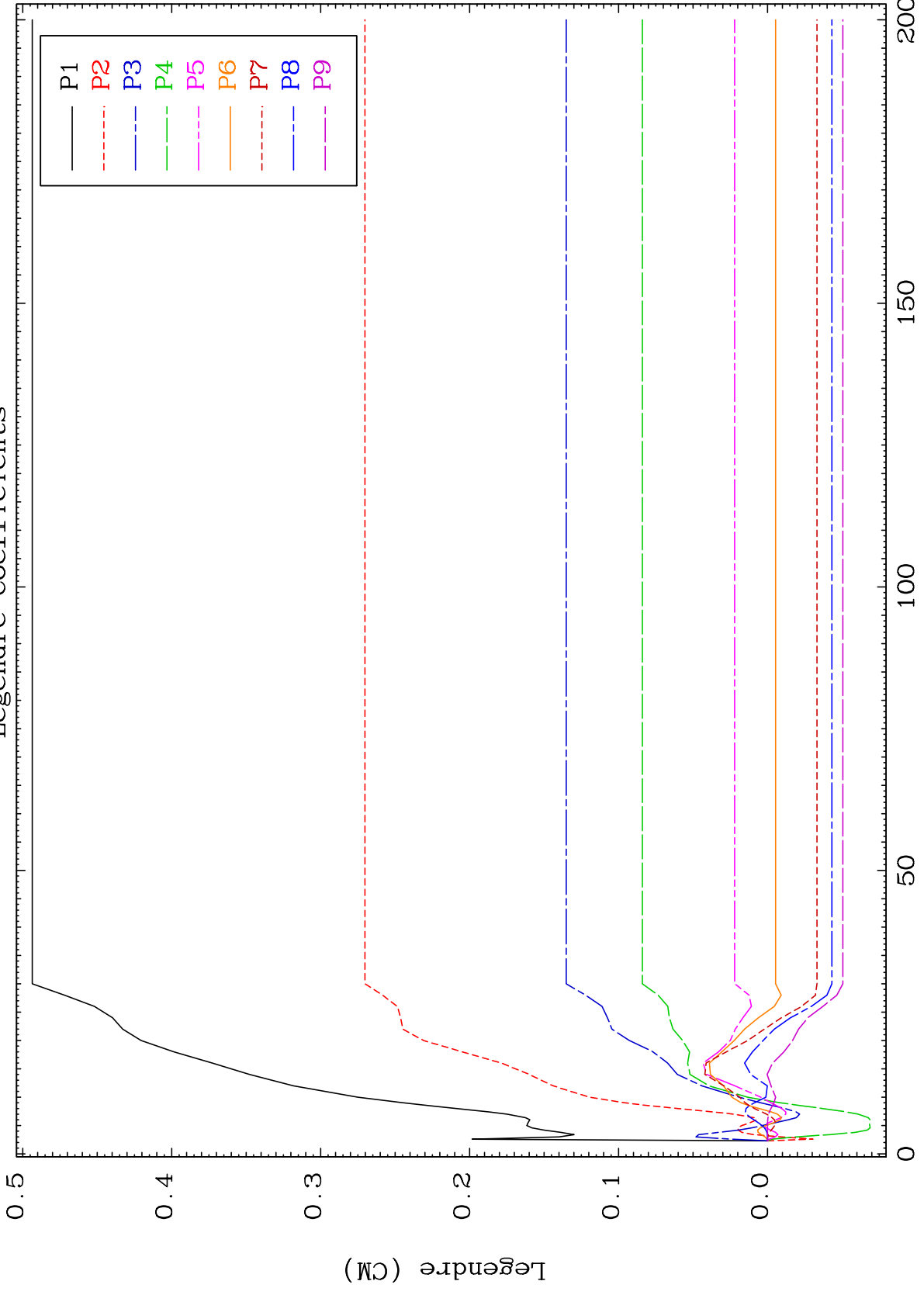


69

Incident Energy (MeV)

54-Xe-115

MAT 5398 MT= 64 (n,n') Level Legendre Coefficients 54-Xe-115

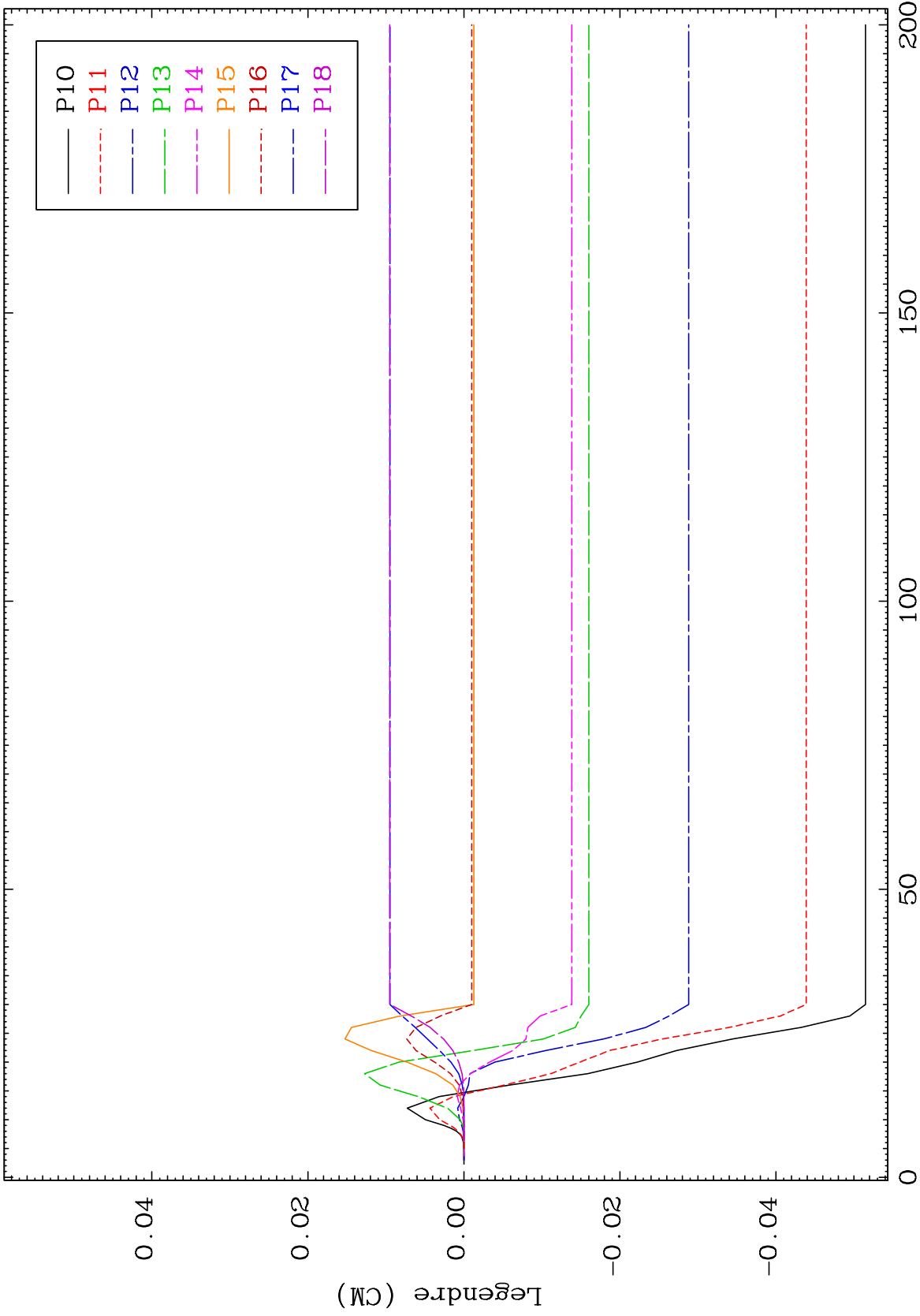


70 50 100 150 200 Incident Energy (MeV) 54-Xe-115

MAT 5398

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

54-Xe-115



71

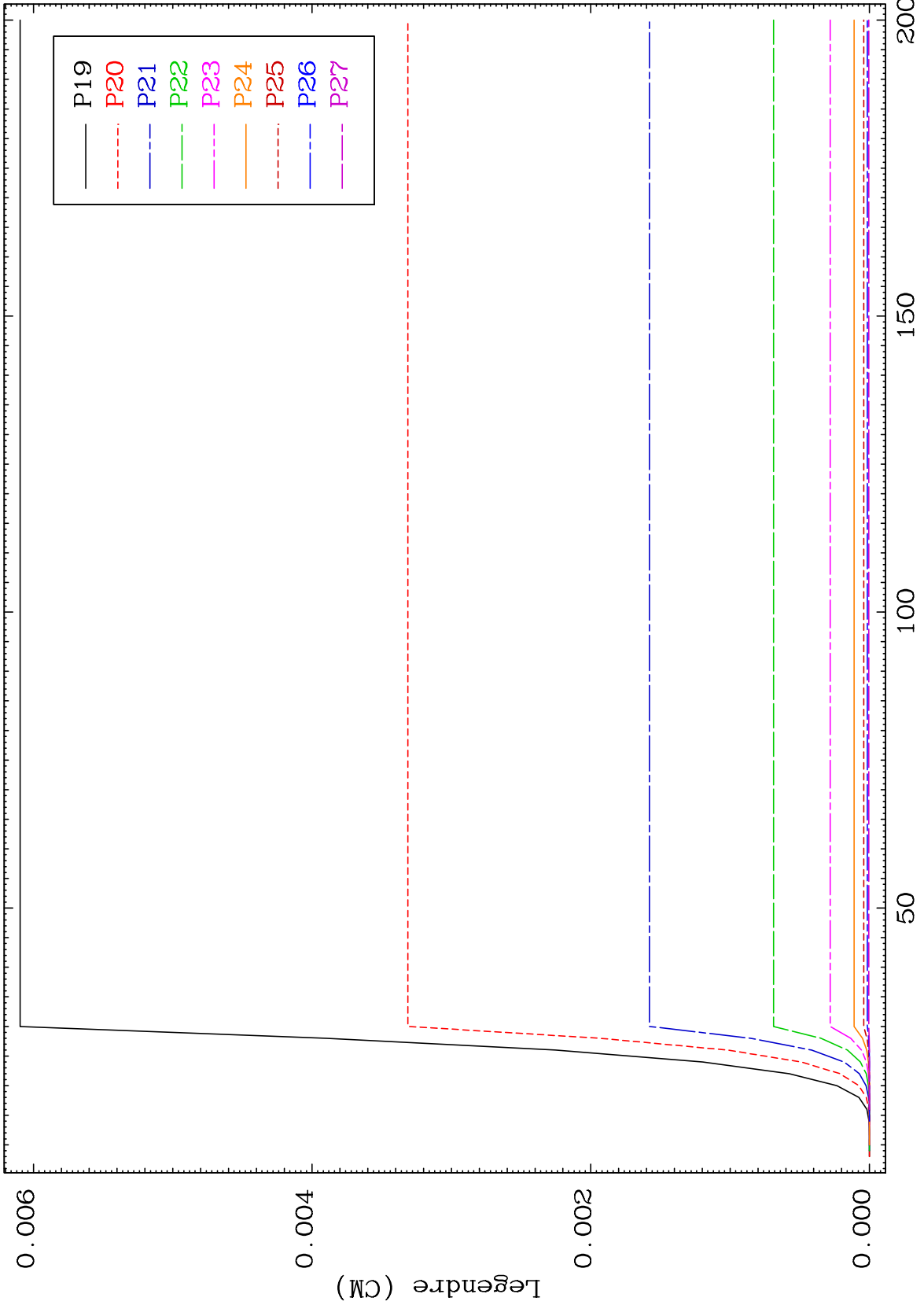
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



72

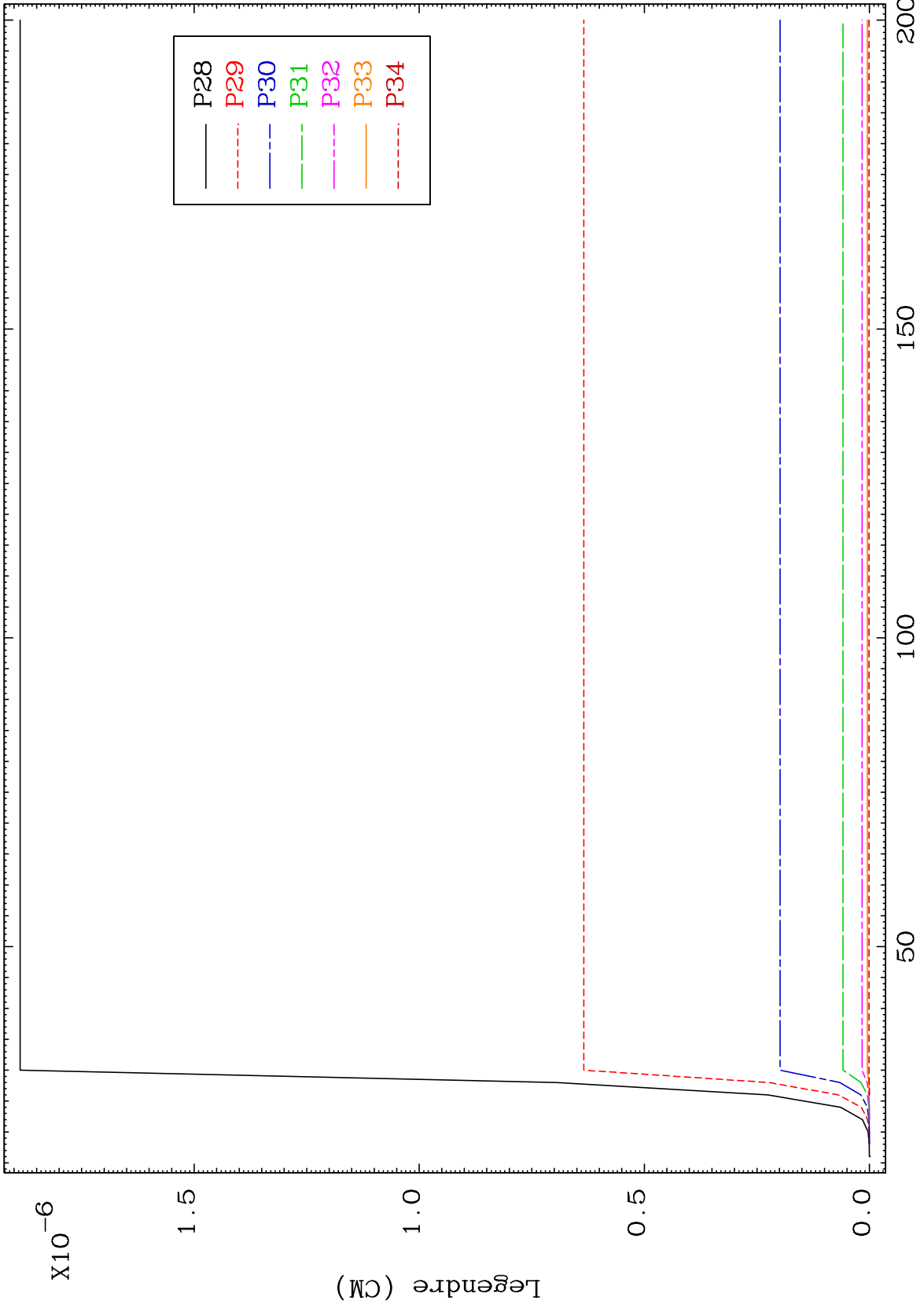
Incident Energy (MeV)

54-Xe-115

MAT 5398

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

54-Xe-115



73

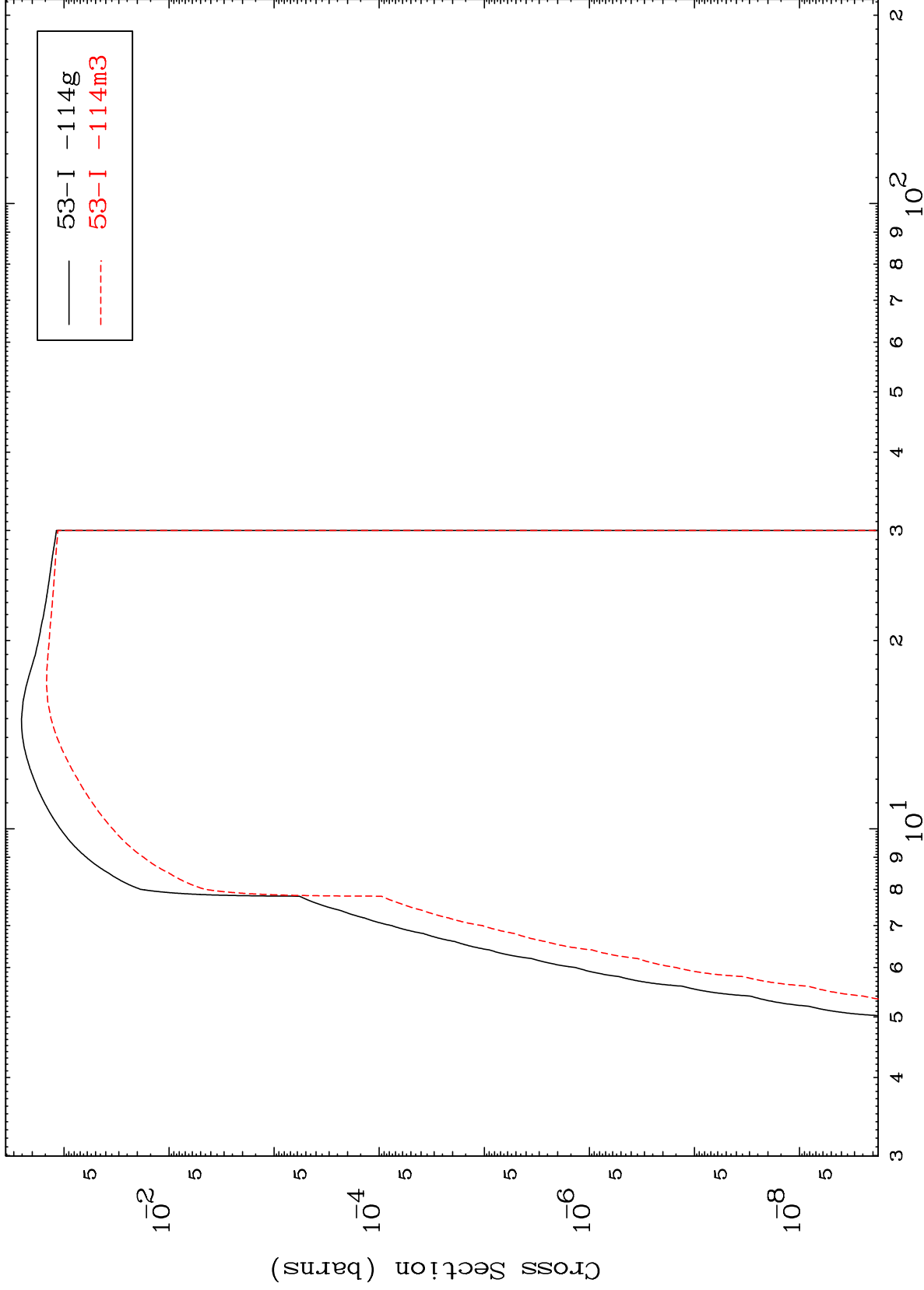
54-Xe-115

MAT 5398

(n,n') p

54-Xe-115

Radionuclide Production Cross Section



74

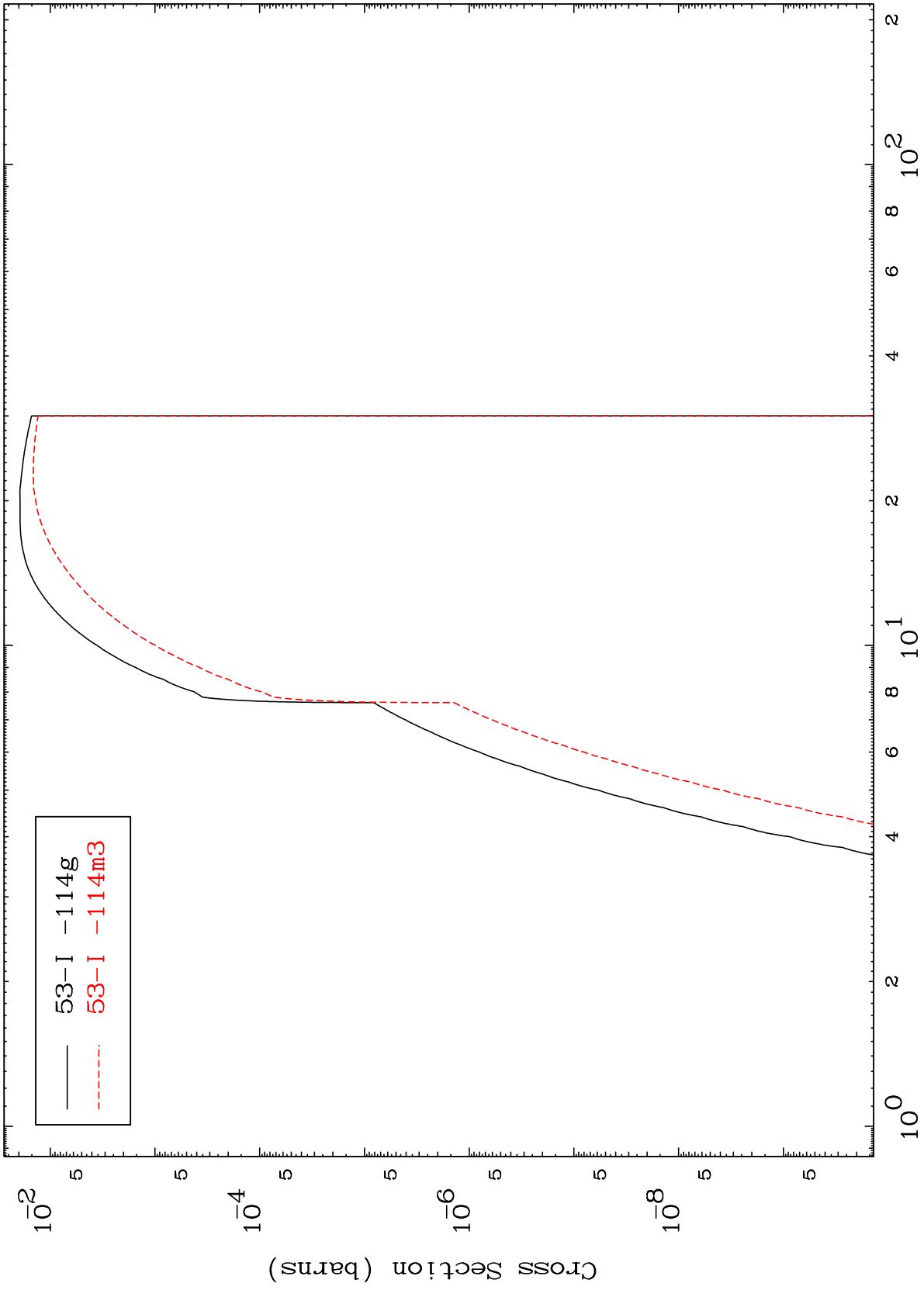
Incident Energy (MeV)

54-Xe-115

MAT 5398

(n,d)
Radionuclide Production Cross Section

54-Xe-115



75

Incident Energy (MeV)

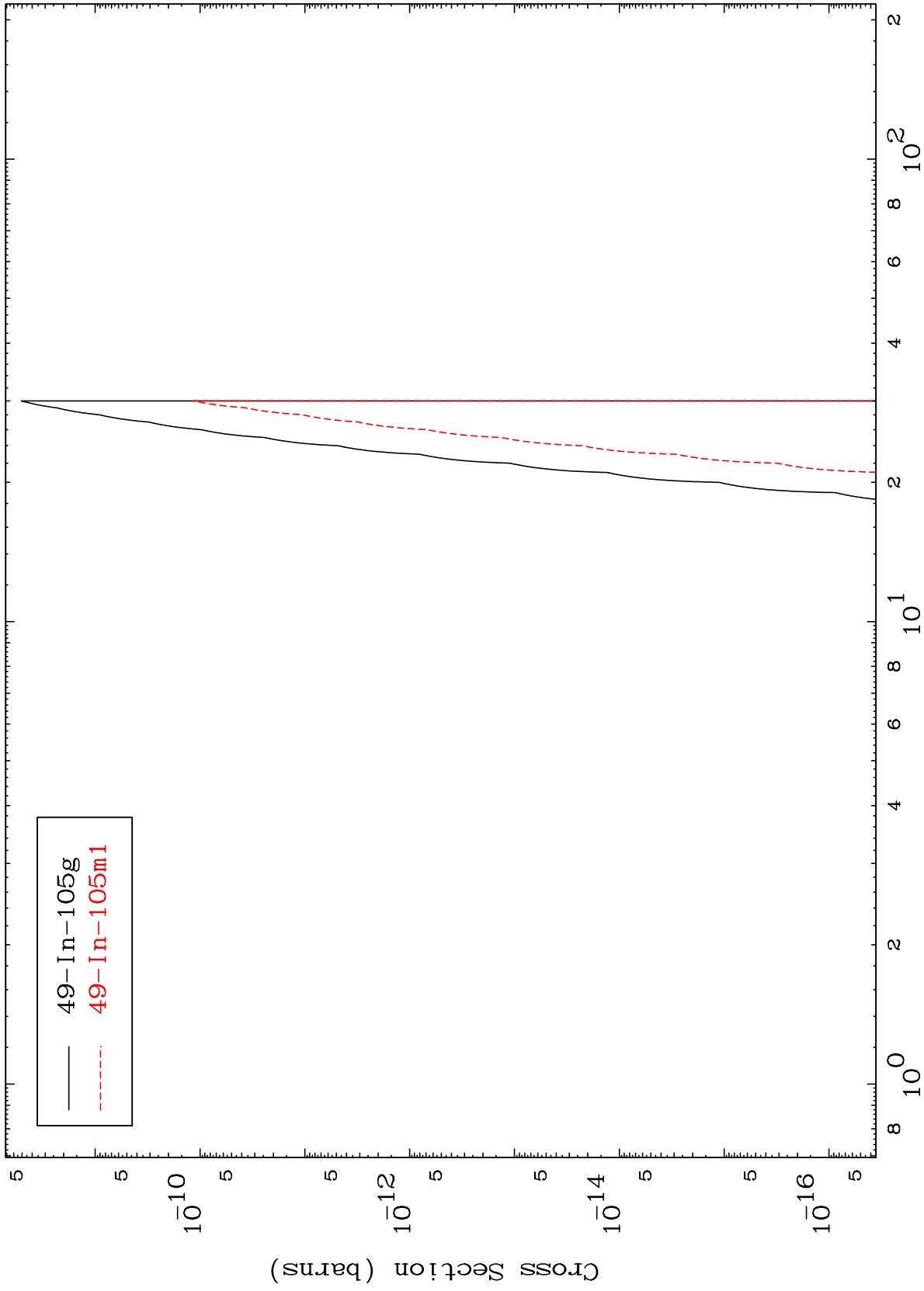
54-Xe-115

MAT 5398

(n,t) 2α

$^{54}\text{Xe-115}$

Radionuclide Production Cross Section



76

Incident Energy (MeV)

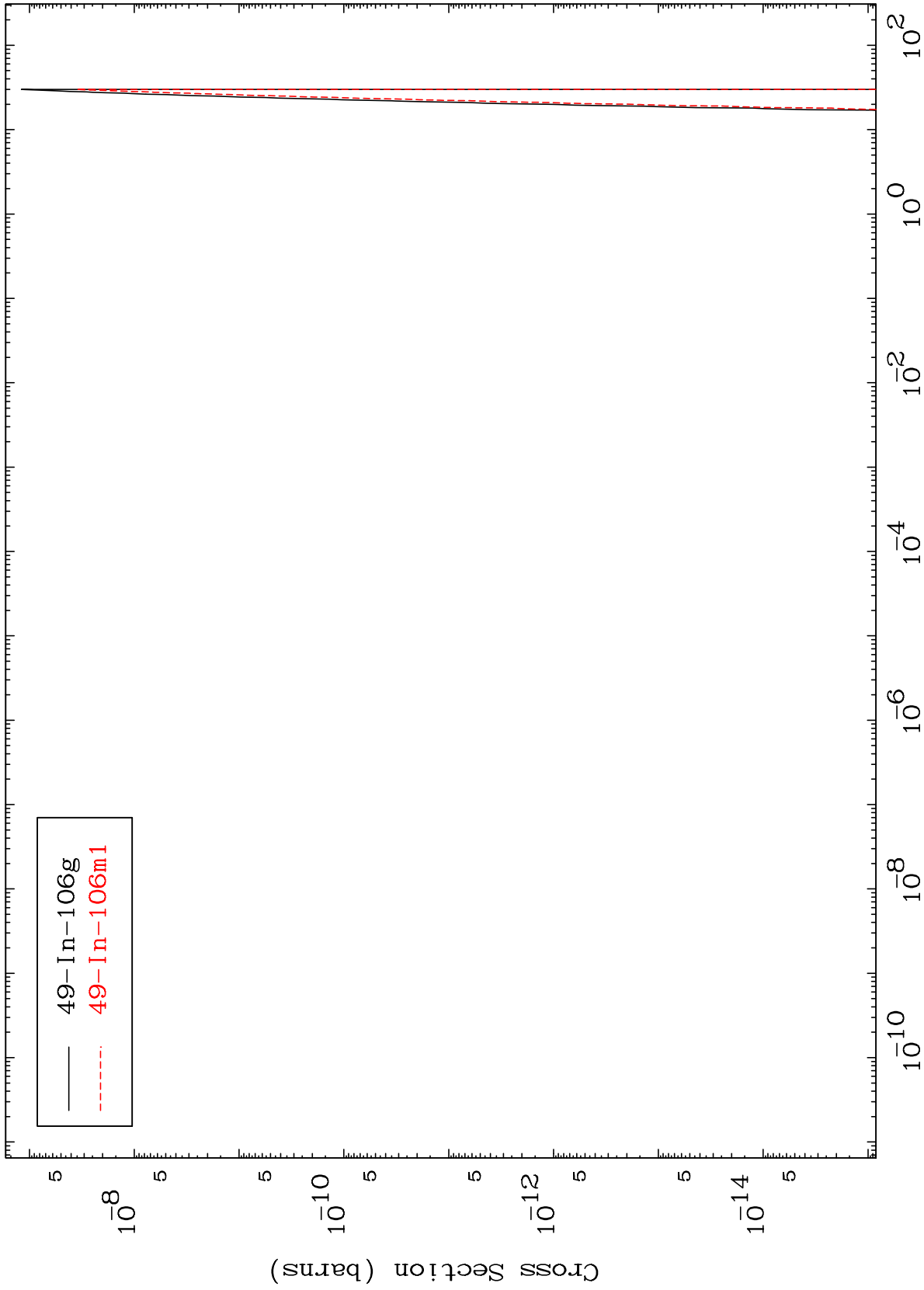
$^{54}\text{Xe-115}$

MAT 5398

(n,d) 2α

54-Xe-115

Radionuclide Production Cross Section



77

Incident Energy (MeV)

54-Xe-115