

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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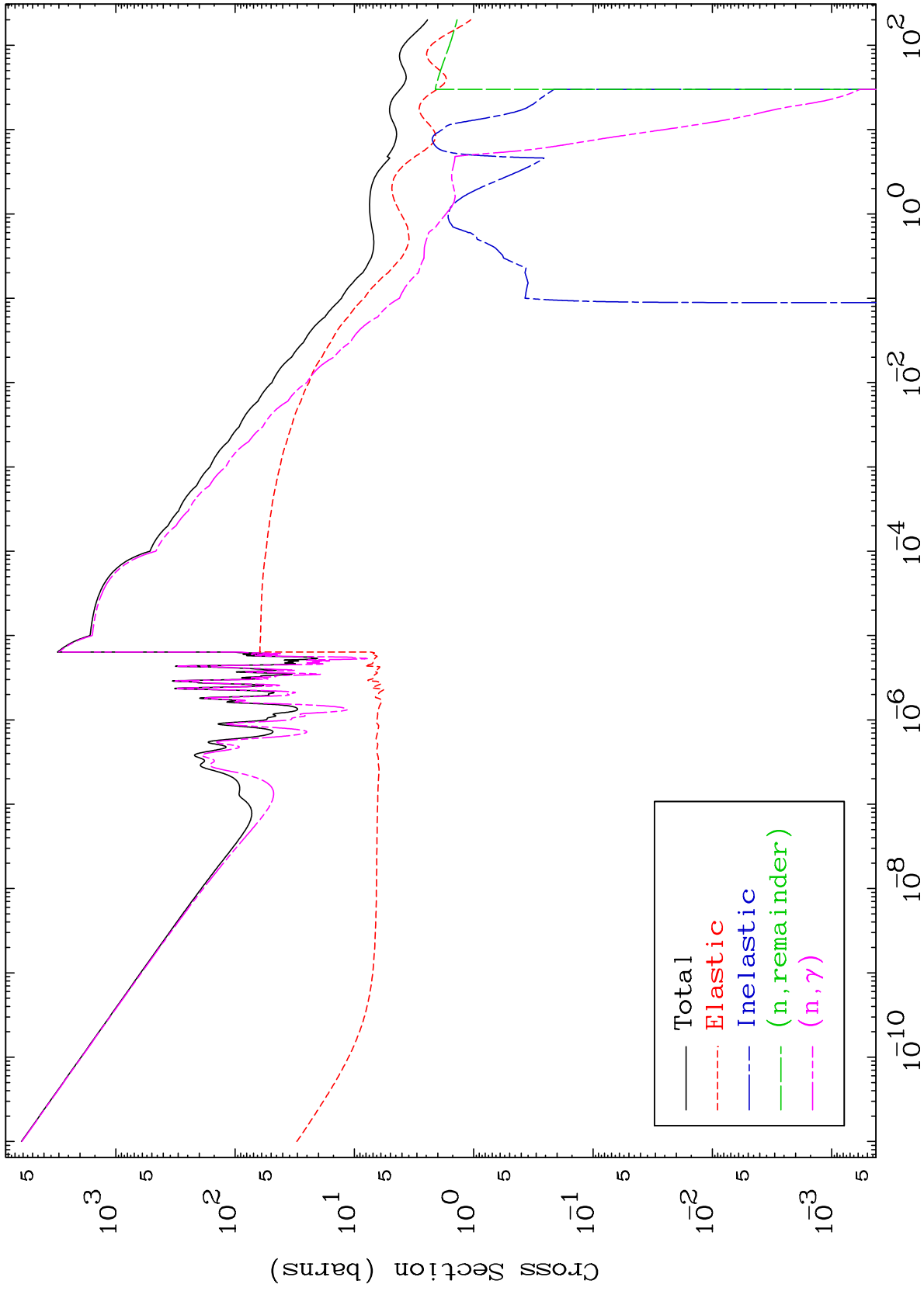
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6804

Major
293 Kelvin Cross Sections

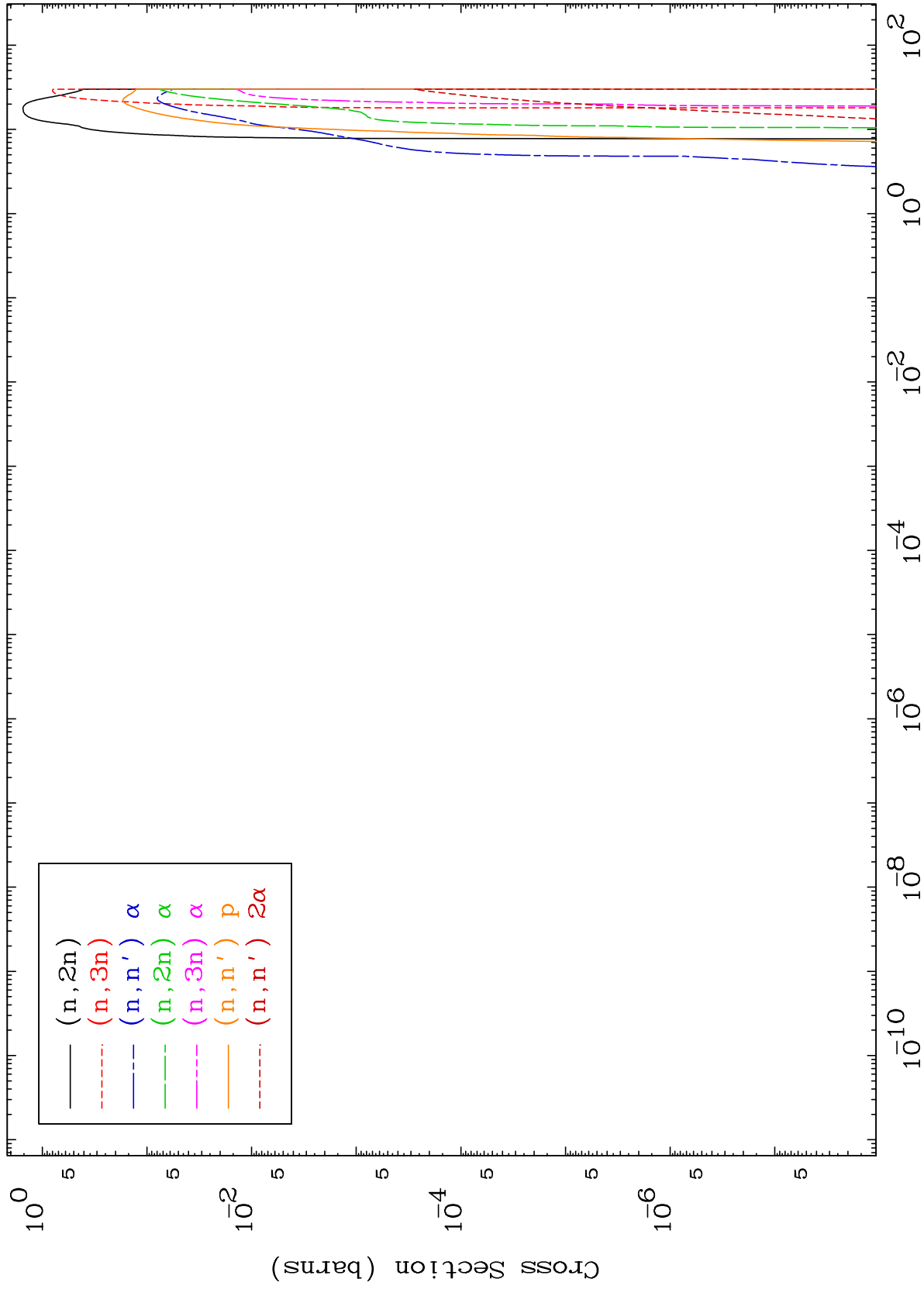
68-Er-155



MAT 6804

Neutron Production
293 Kelvin Cross Sections

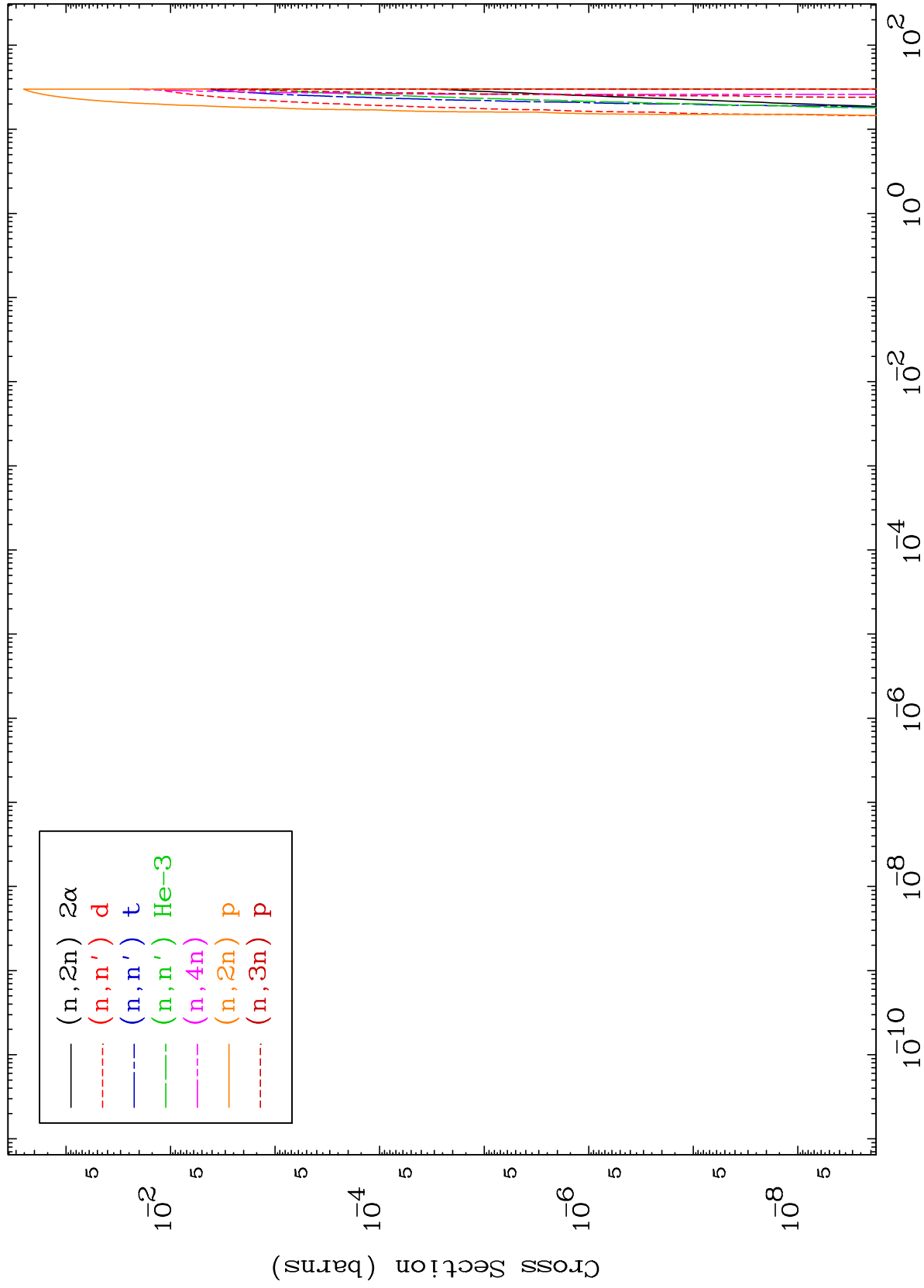
68-Er-155



MAT 6804

Neutron Production
293 Kelvin Cross Sections

68-Er-155

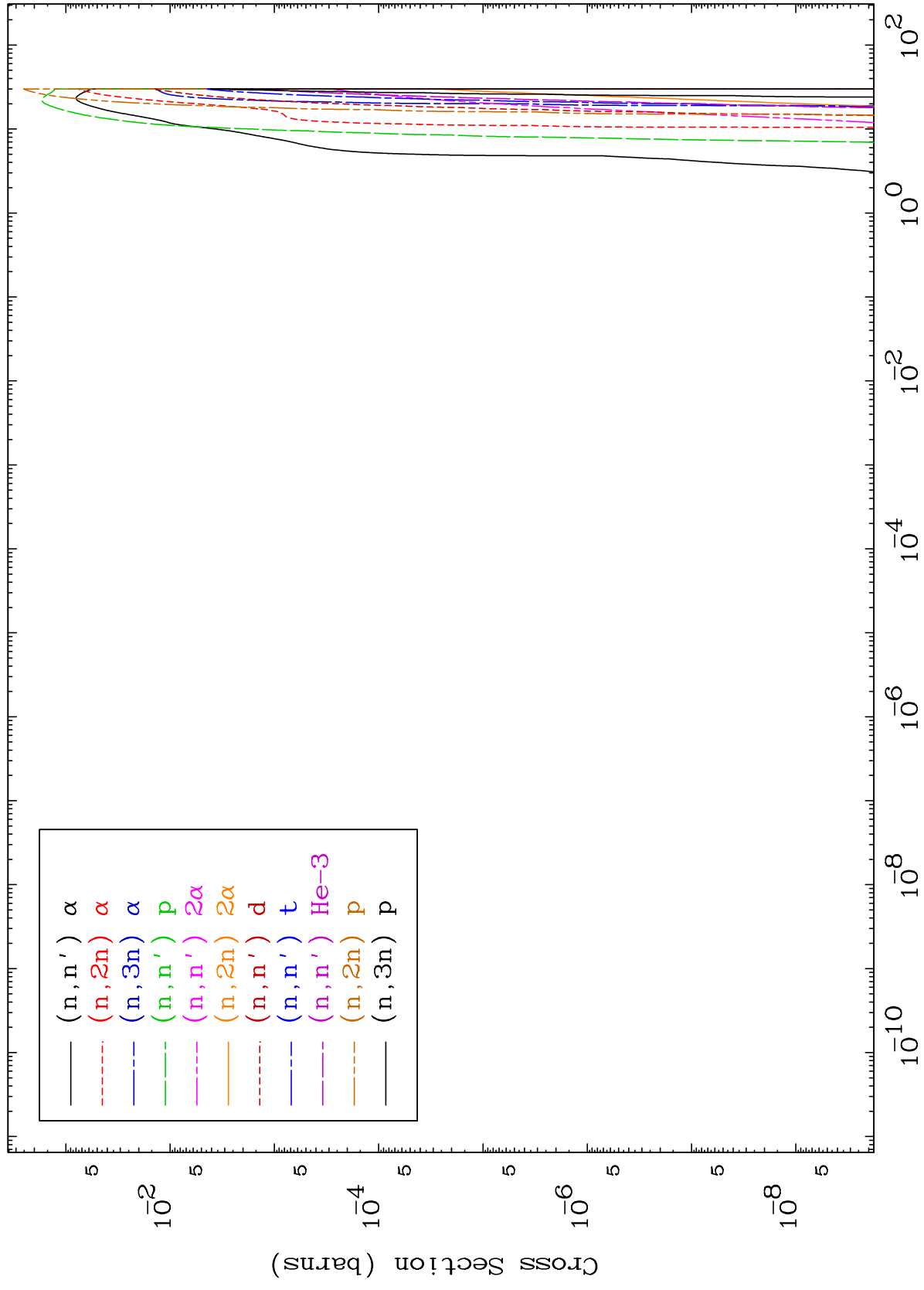


68-Er-155

MAT 6804

Charged Particle
293 Kelvin Cross Sections

68-Er-155

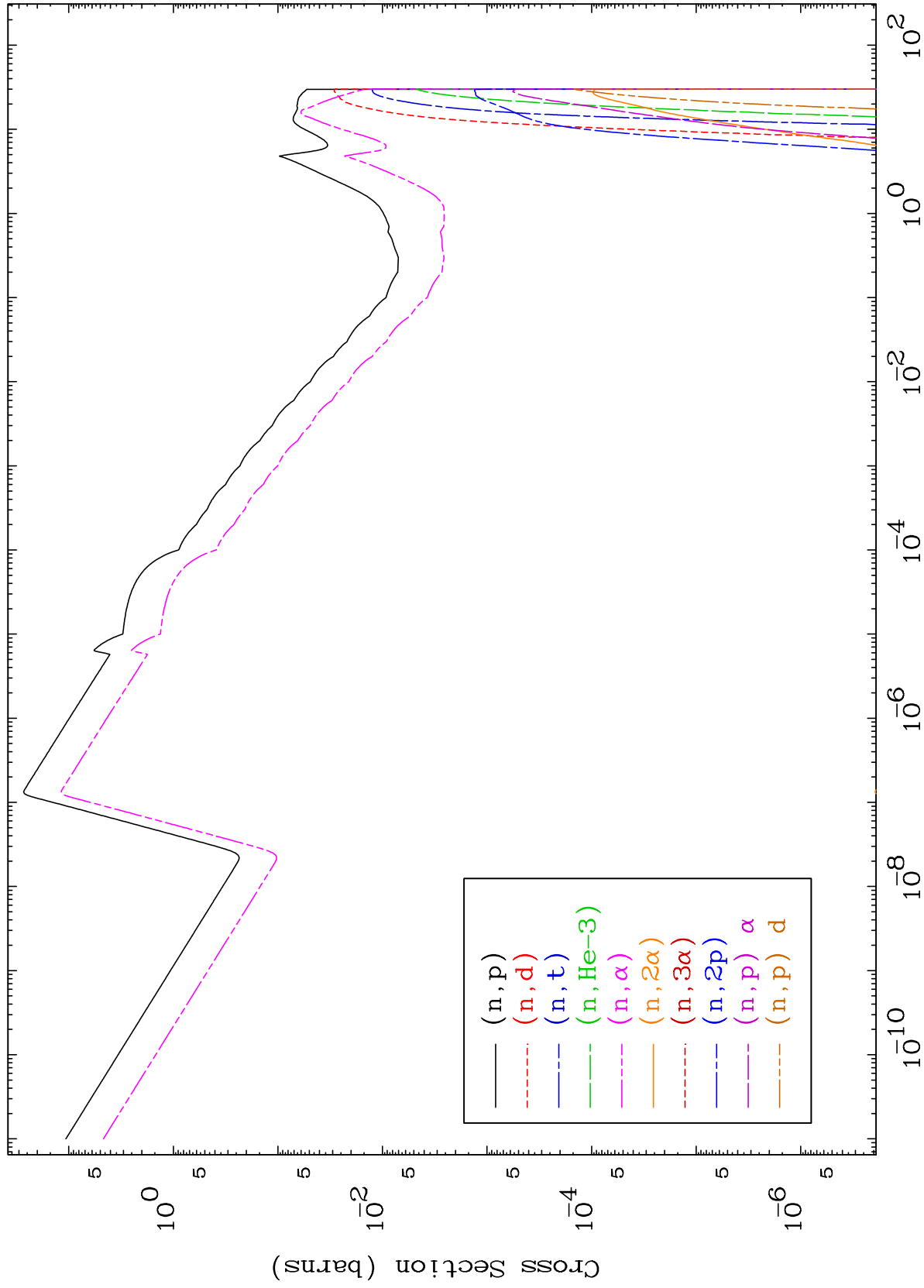


68-Er-155

MAT 6804

293 Kelvin Cross Sections

68-Er-155



5

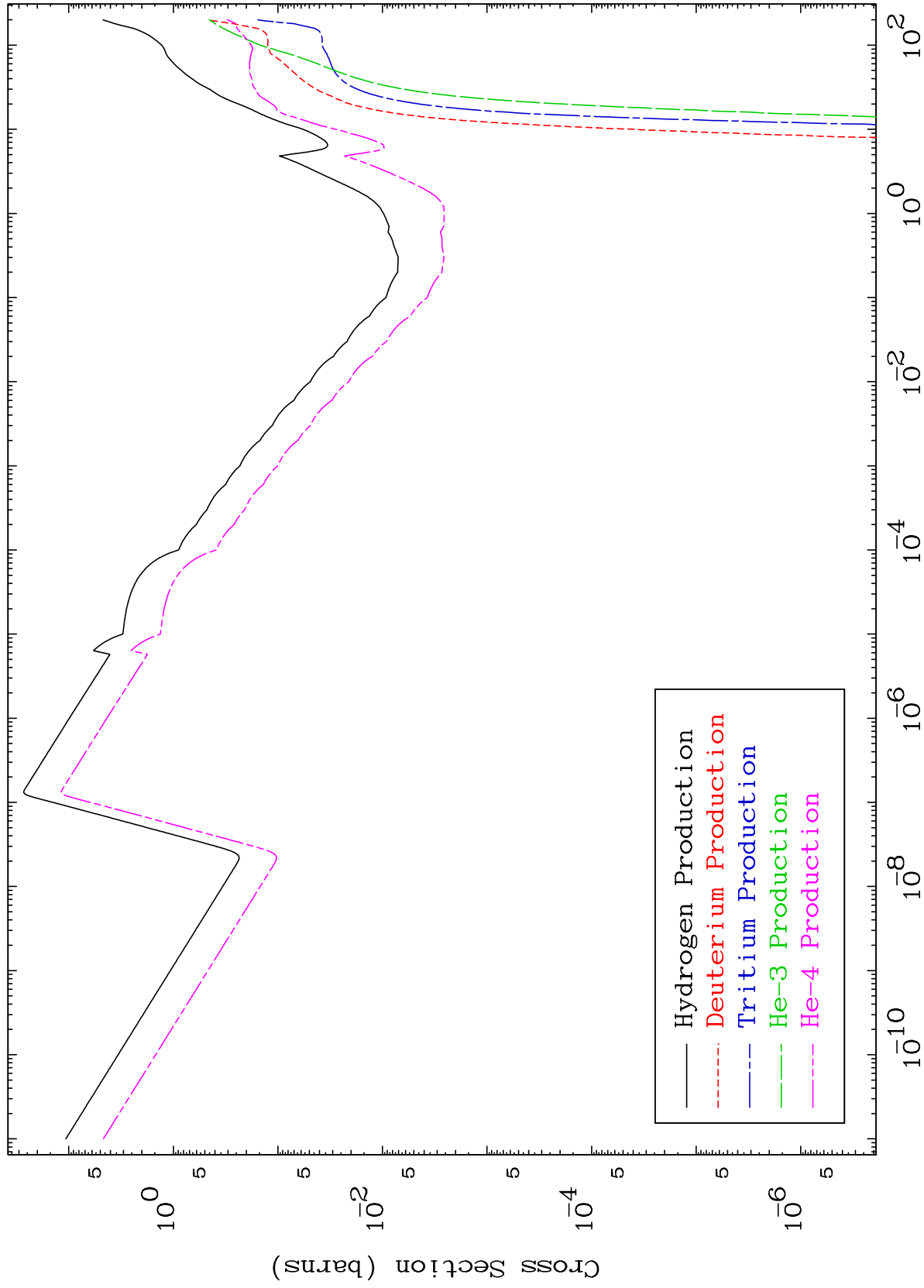
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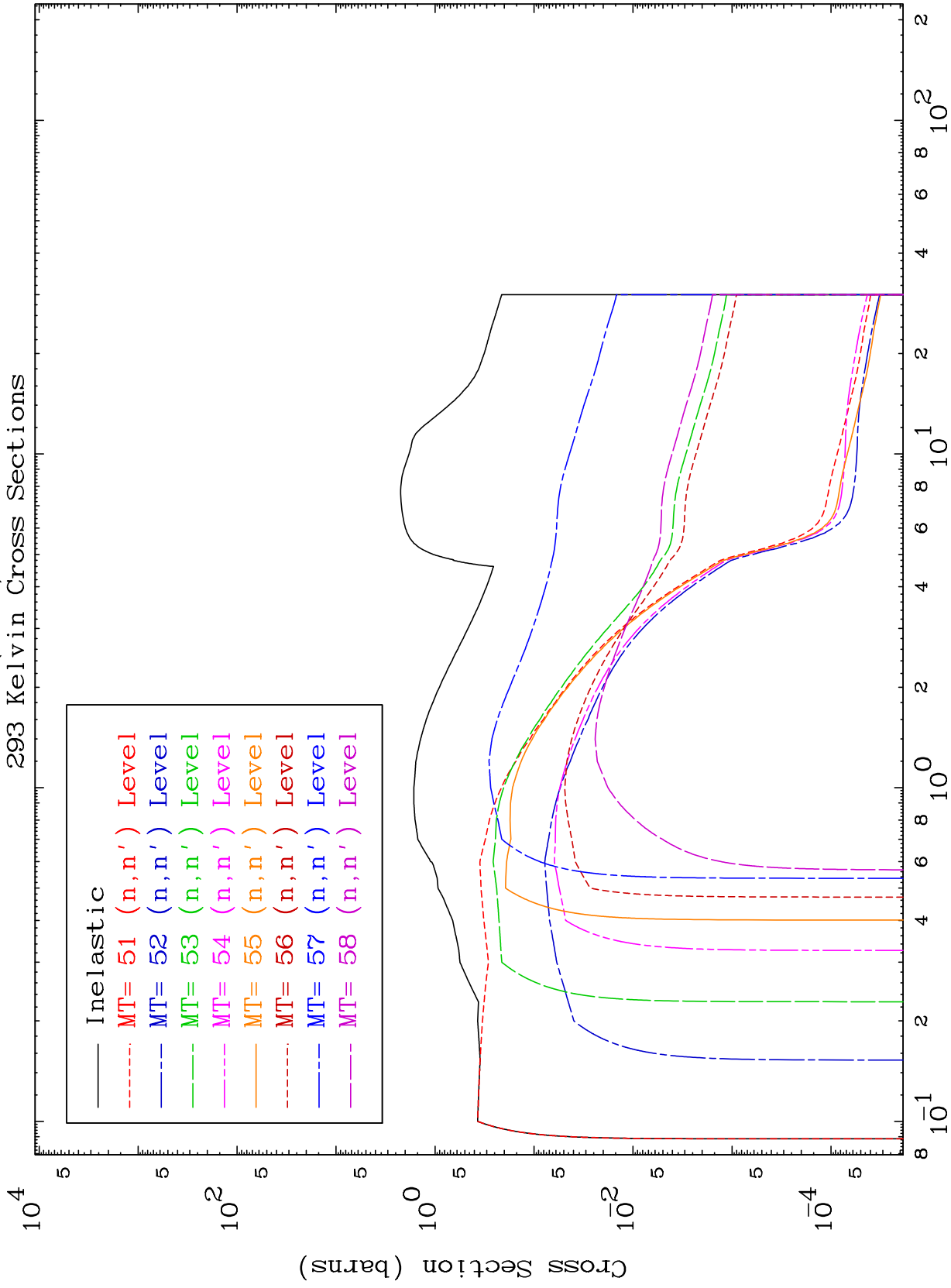
68-Er-155

MAT 6804

Particle Production
293 Kelvin Cross Sections

68-Er-155

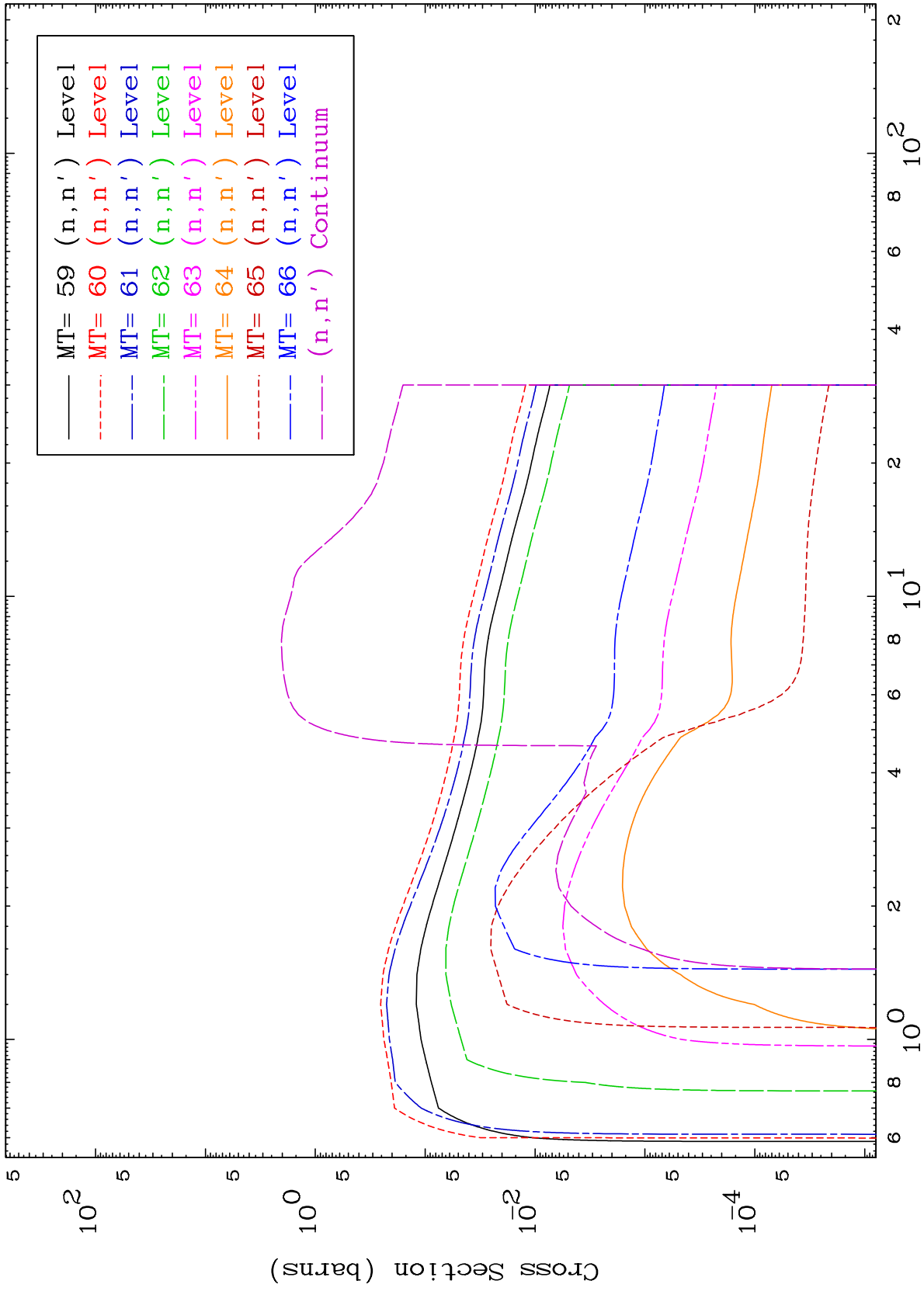




MAT 6804

(n,n') Level
293 Kelvin Cross Sections

68-Er-155



8

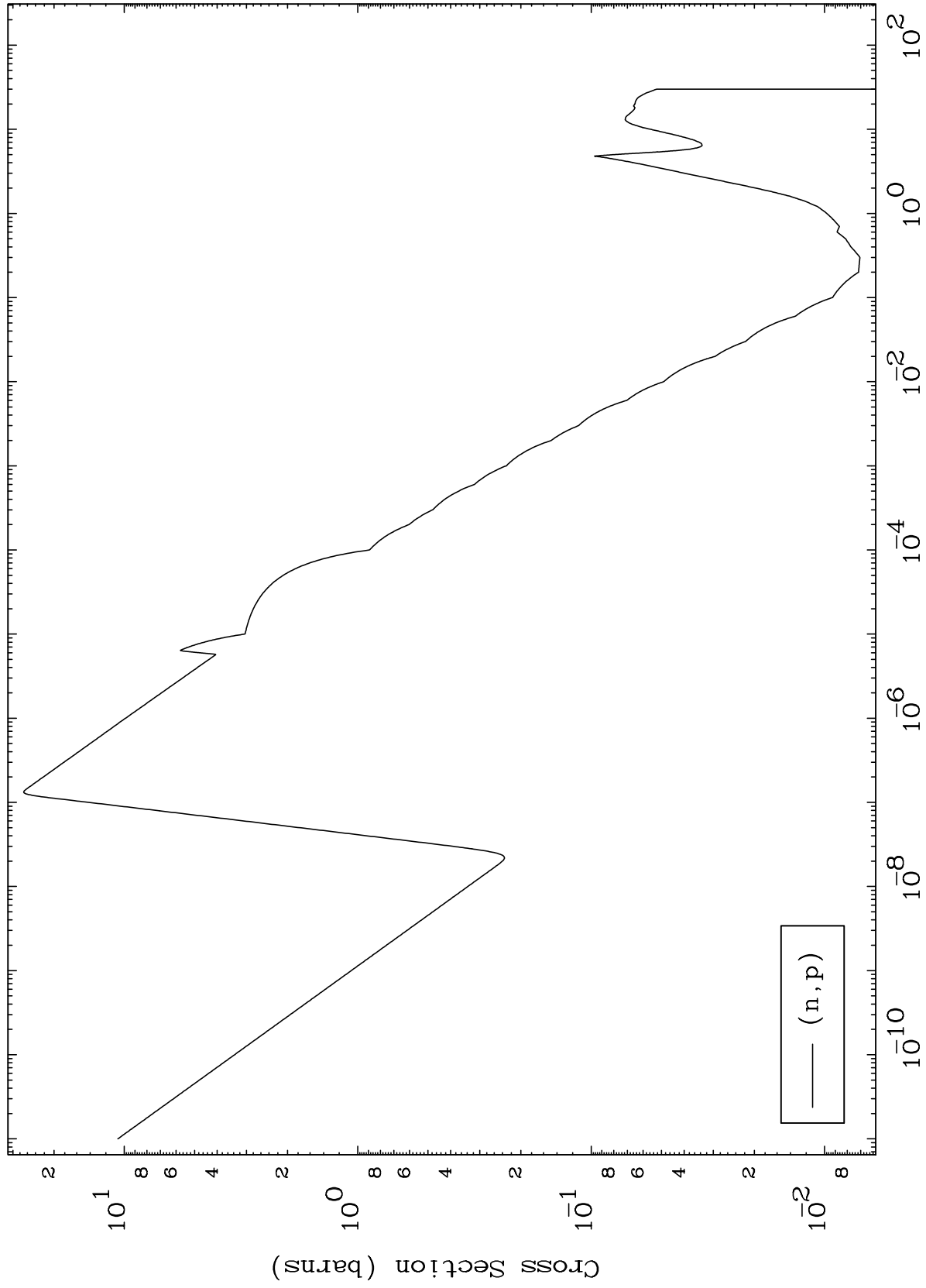
Incident Energy (MeV)

68-Er-155

MAT 6804

(n,p) Levels
293 Kelvin Cross Sections

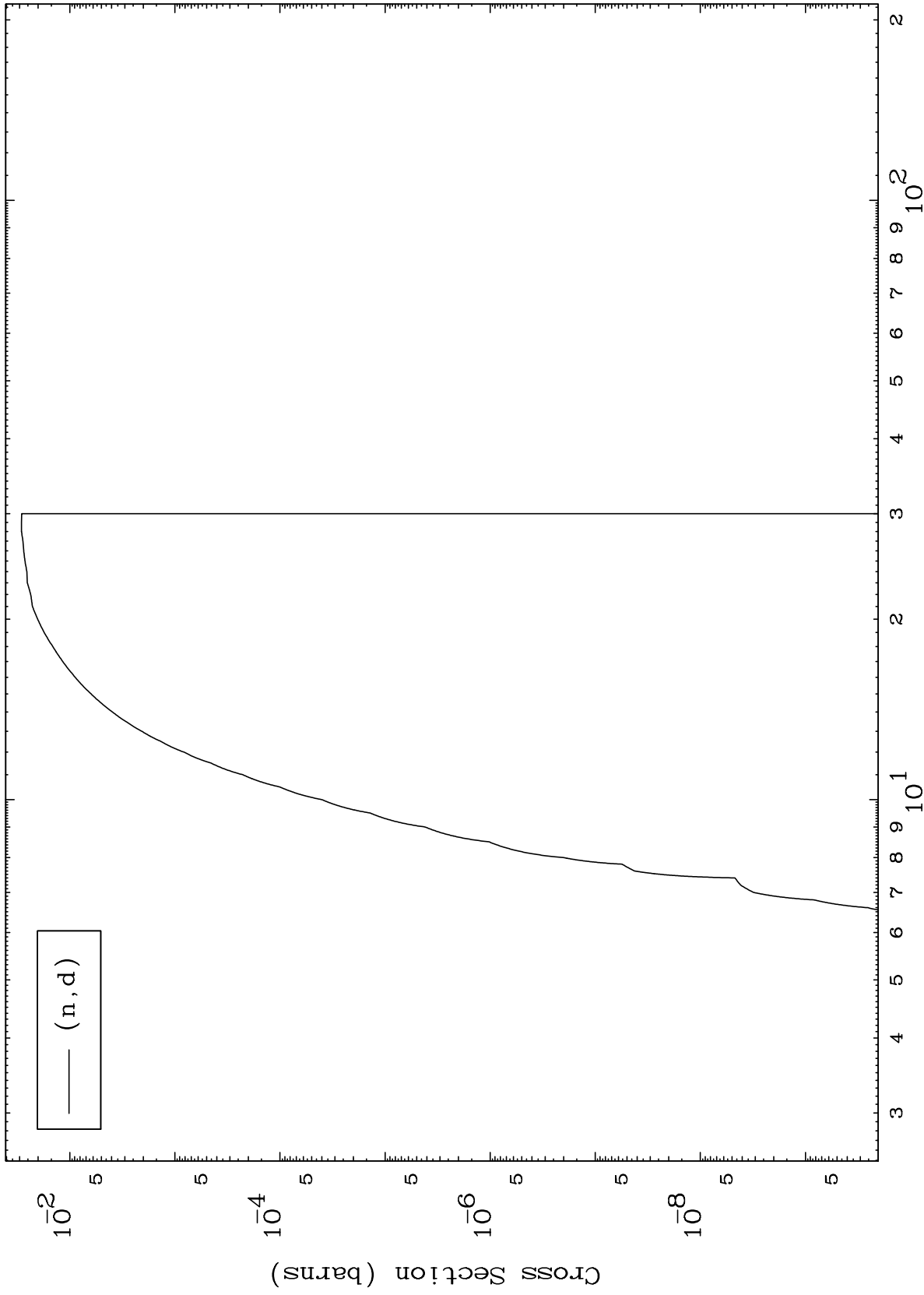
68-Er-155



MAT 6804

(n,d) Levels
293 Kelvin Cross Sections

68-Er-155



10

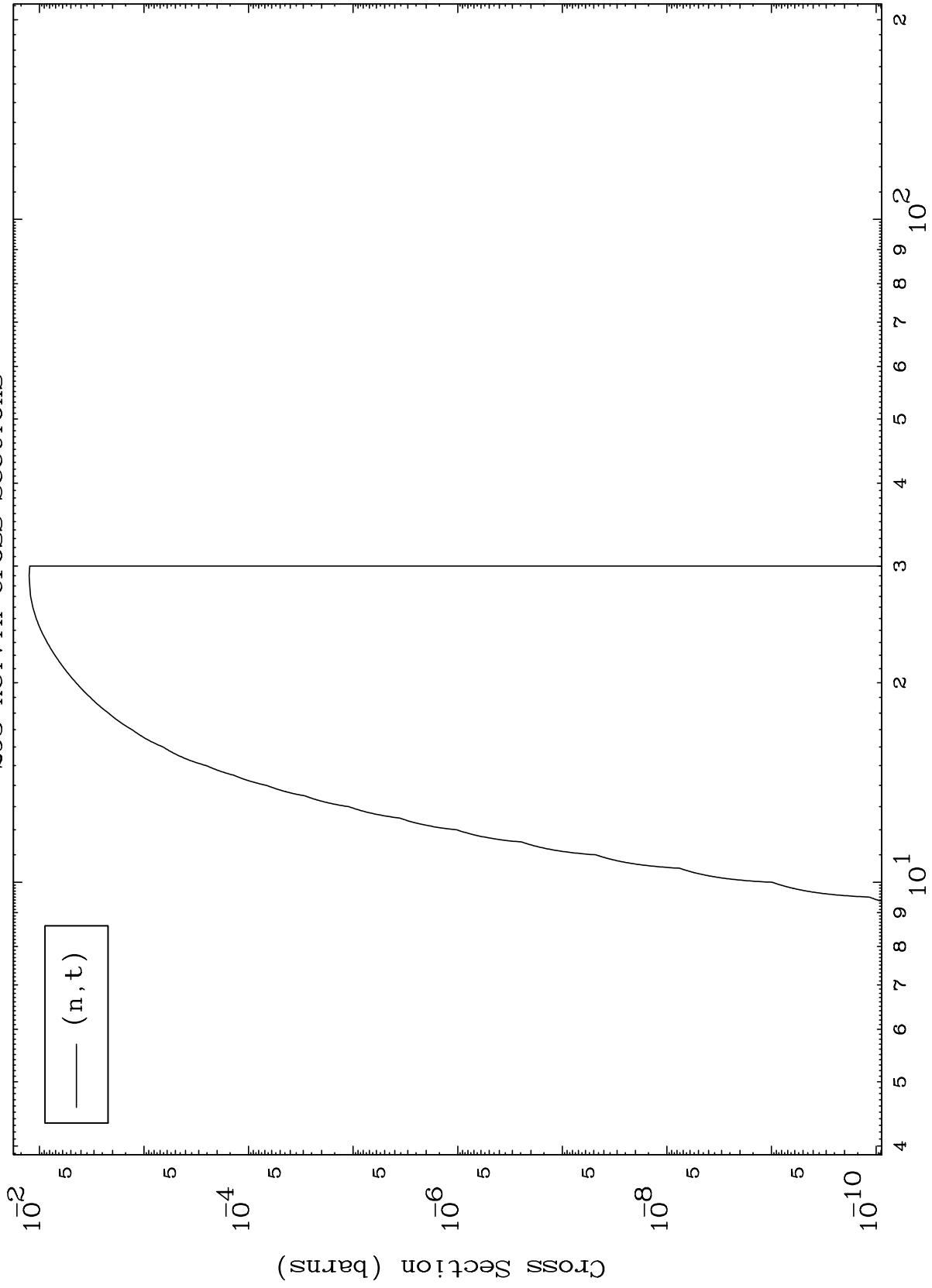
Incident Energy (MeV)

68-Er-155

MAT 6804

(n,t) Levels
293 Kelvin Cross Sections

68-Er-155



11

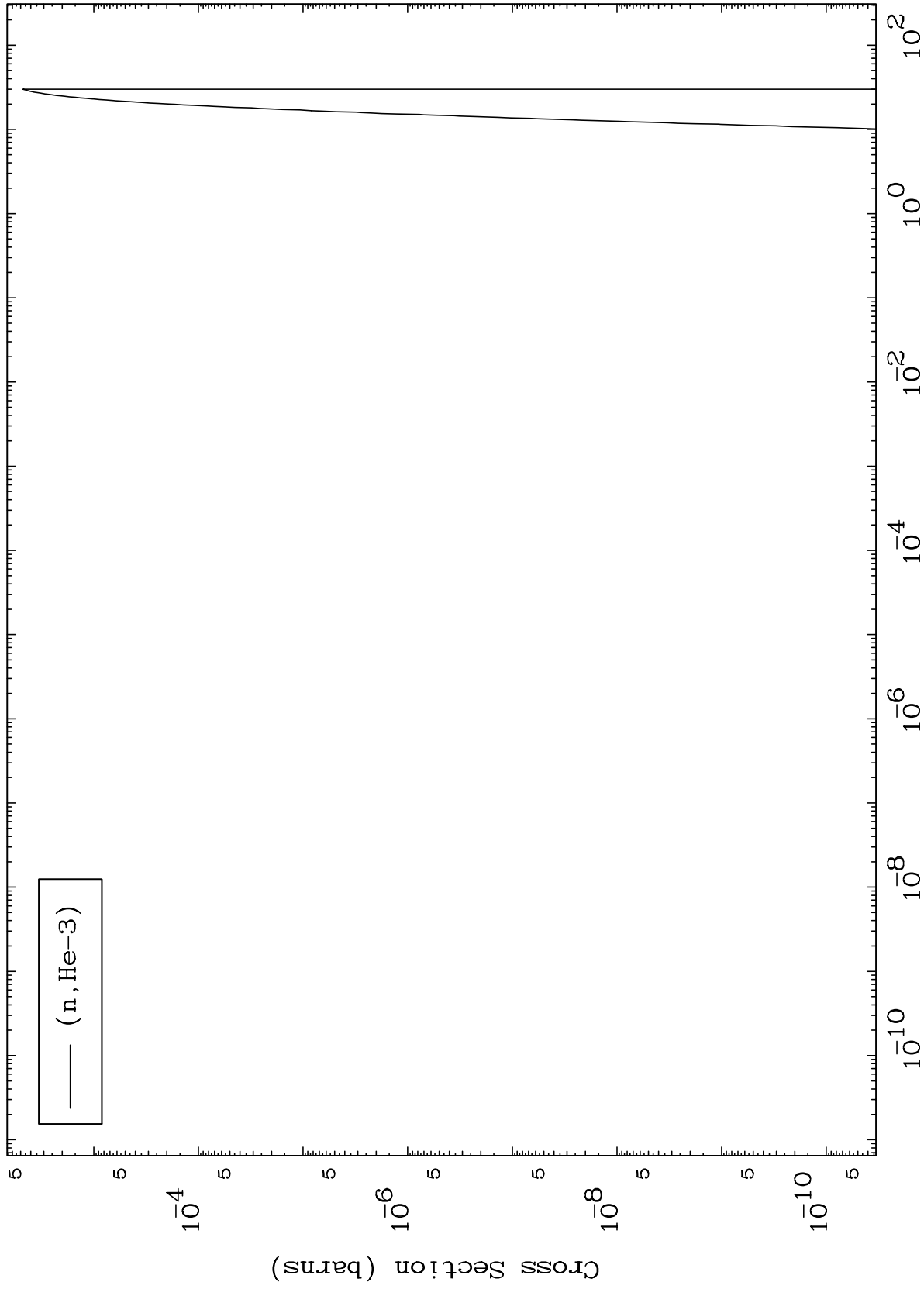
Incident Energy (MeV)

68-Er-155

MAT 6804

(n,He3) Levels
293 Kelvin Cross Sections

68-Er-155



12

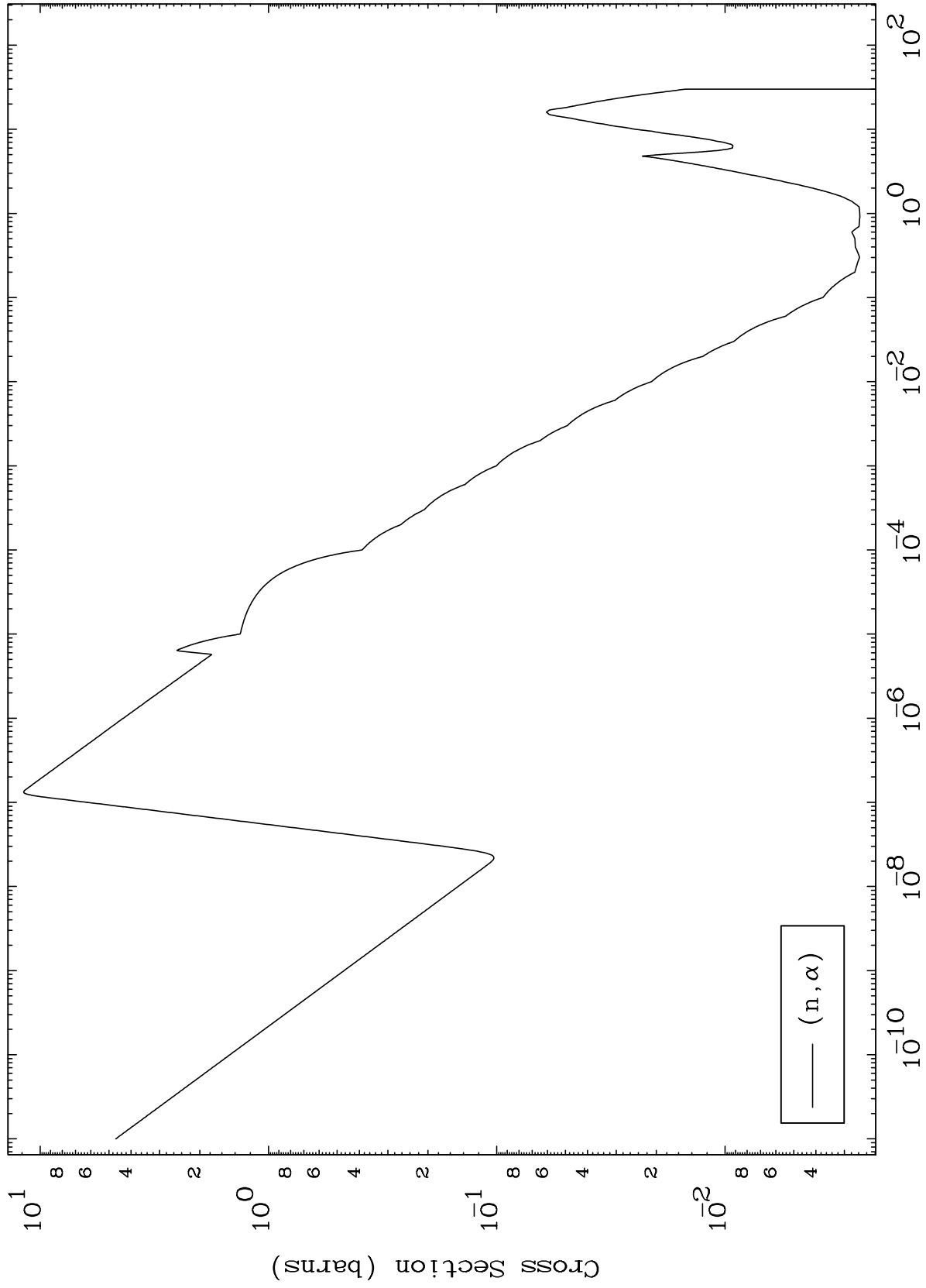
Incident Energy (MeV)

68-Er-155

MAT 6804

(n,α) Levels
293 Kelvin Cross Sections

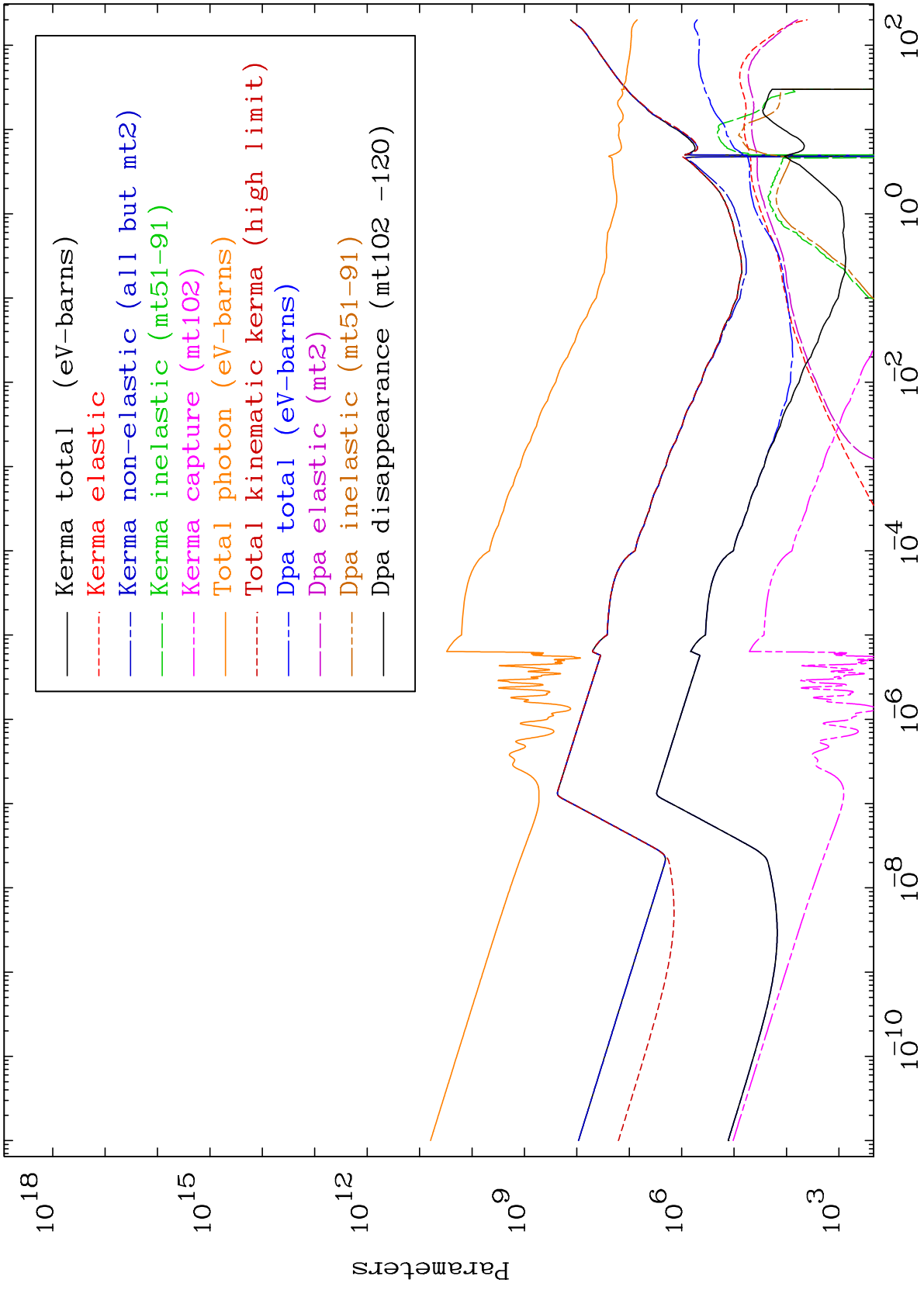
68-Er-155



13

Incident Energy (MeV)

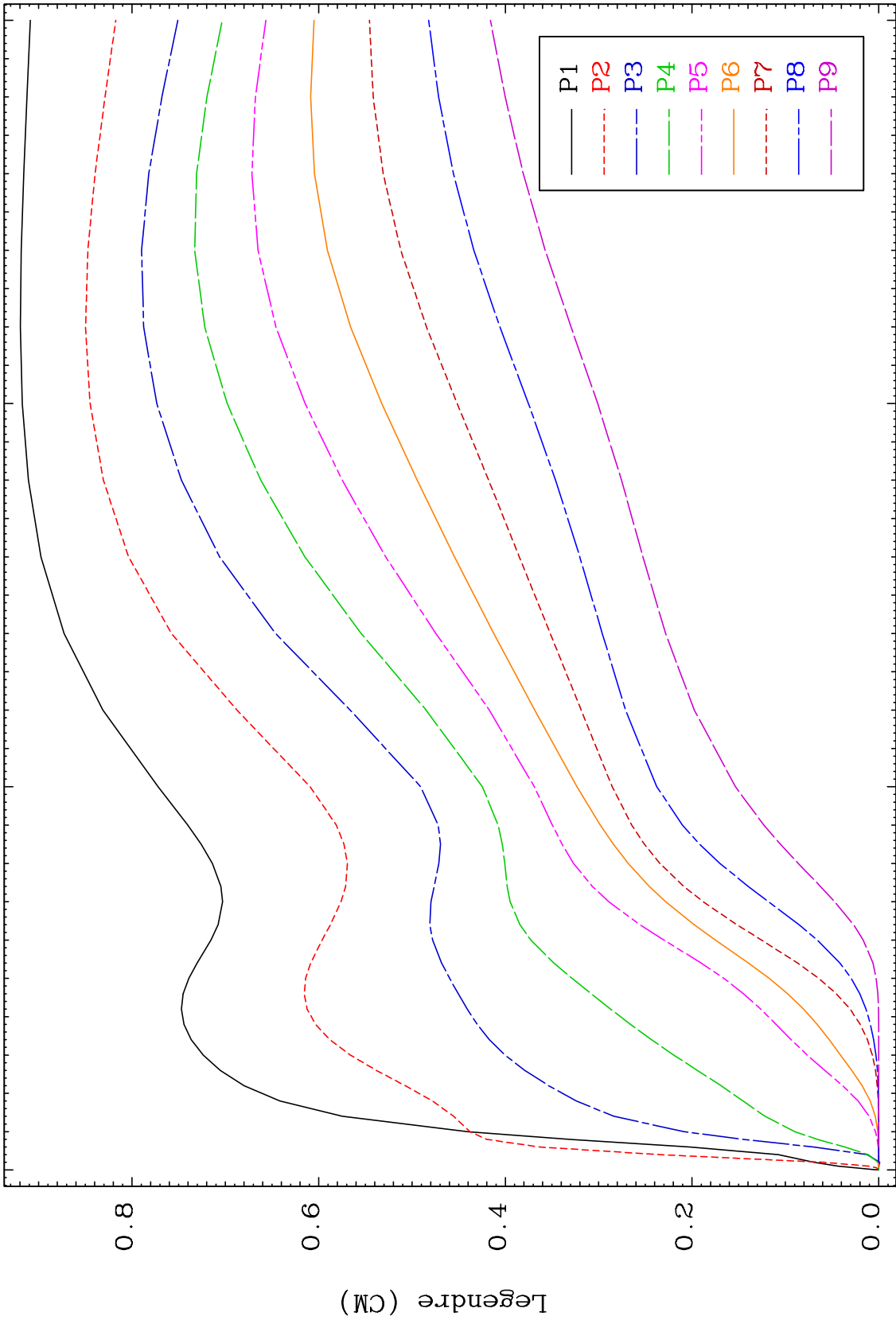
68-Er-155



MAT 6804

Elastic Legendre Coefficients

68-Er-155



15

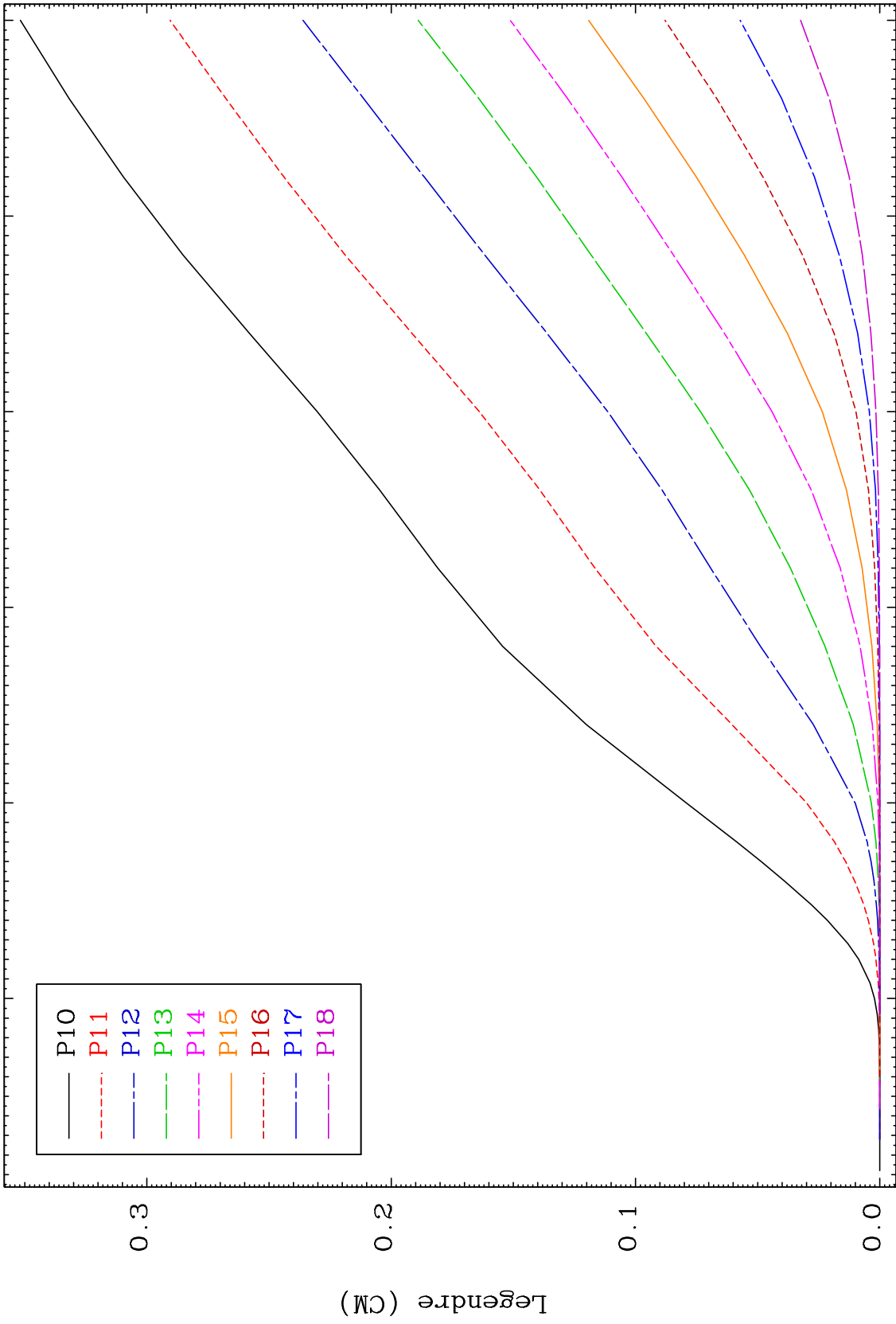
Incident Energy (MeV)

68-Er-155

MAT 6804

Elastic Legendre Coefficients

68-Er-155



16

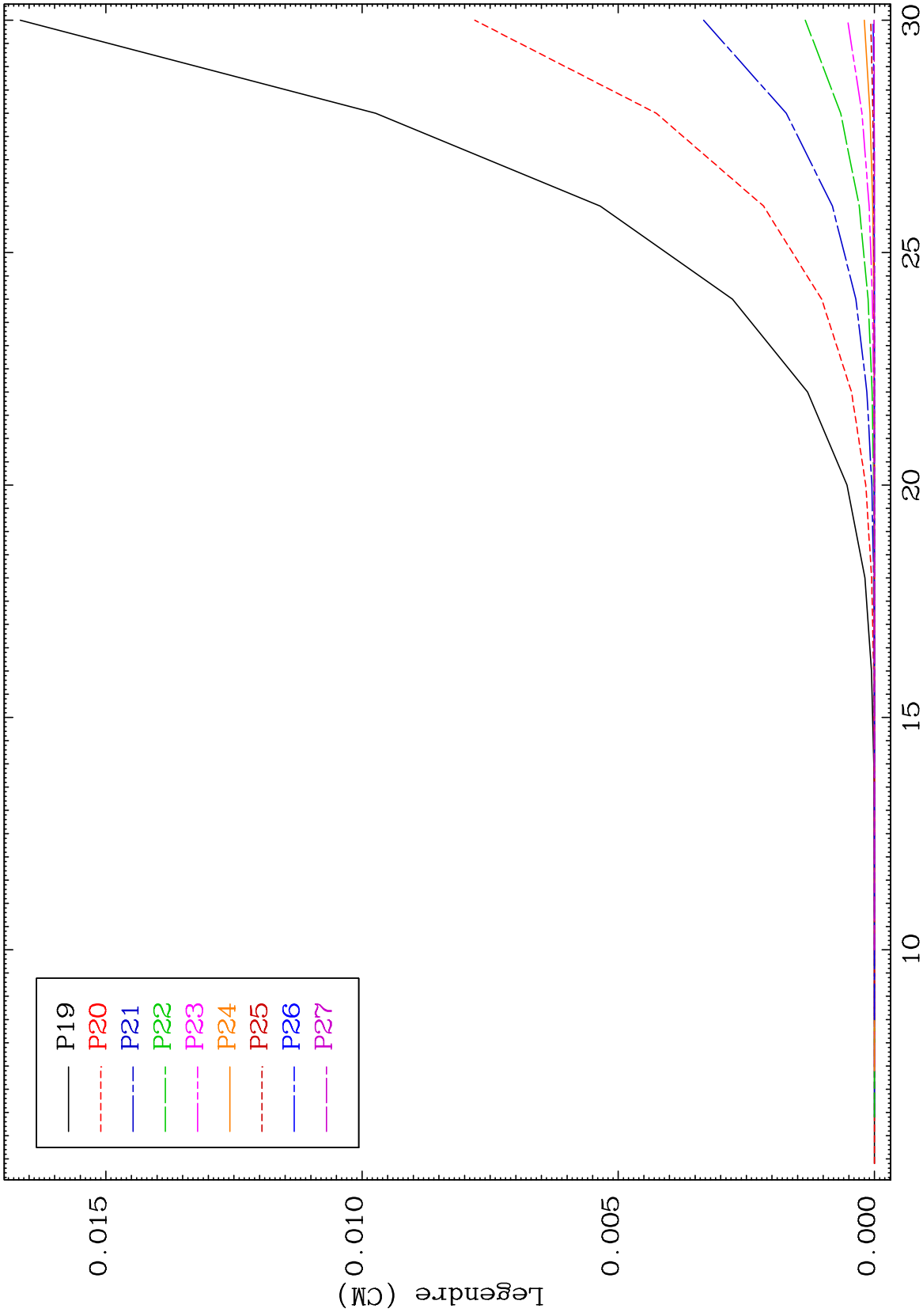
Incident Energy (MeV)

68-Er-155

MAT 6804

Elastic Legendre Coefficients

68-Er-155



17

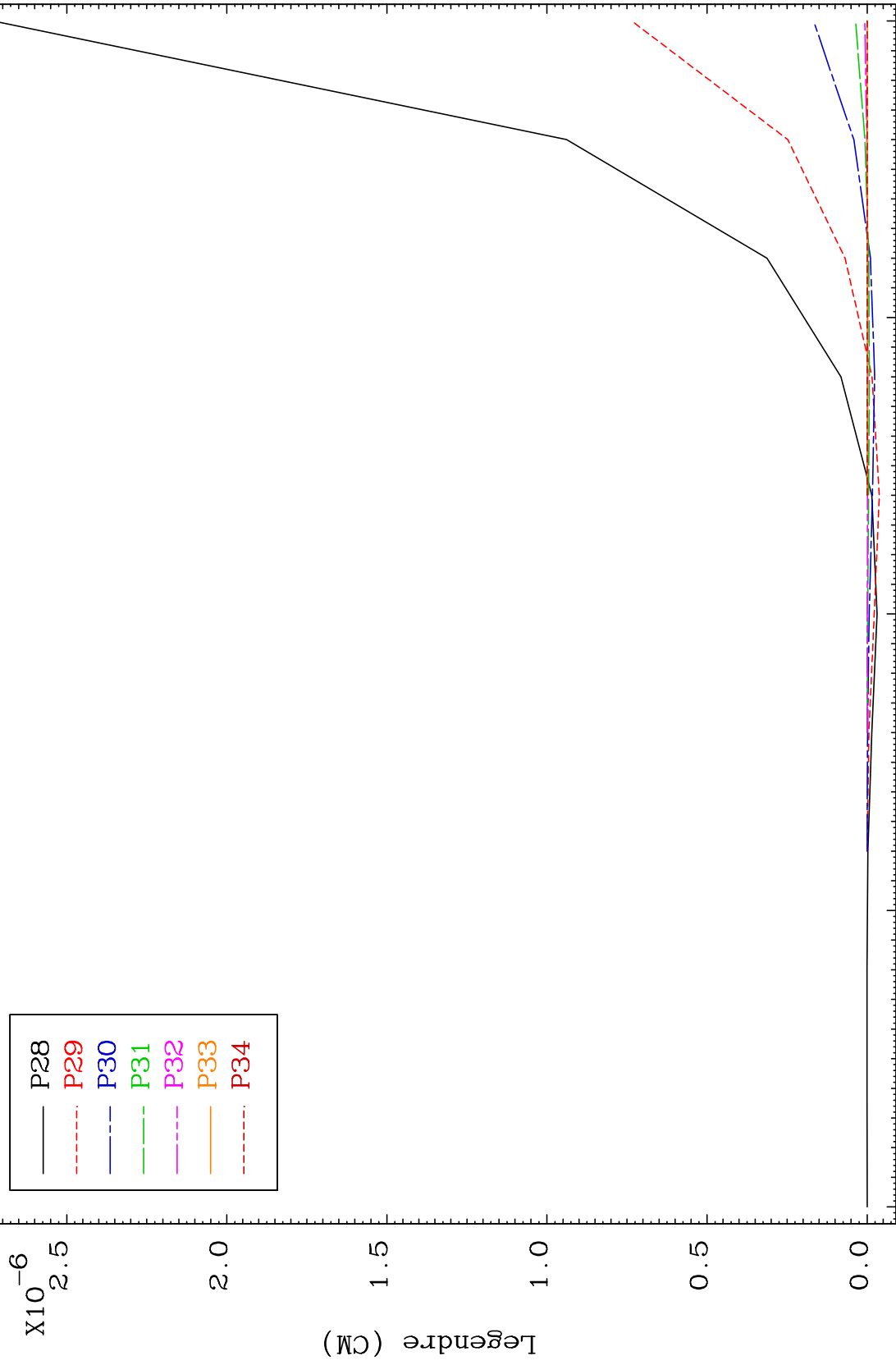
Incident Energy (MeV)

68-Er-155

MAT 6804

Elastic Legendre Coefficients

68-Er-155



18

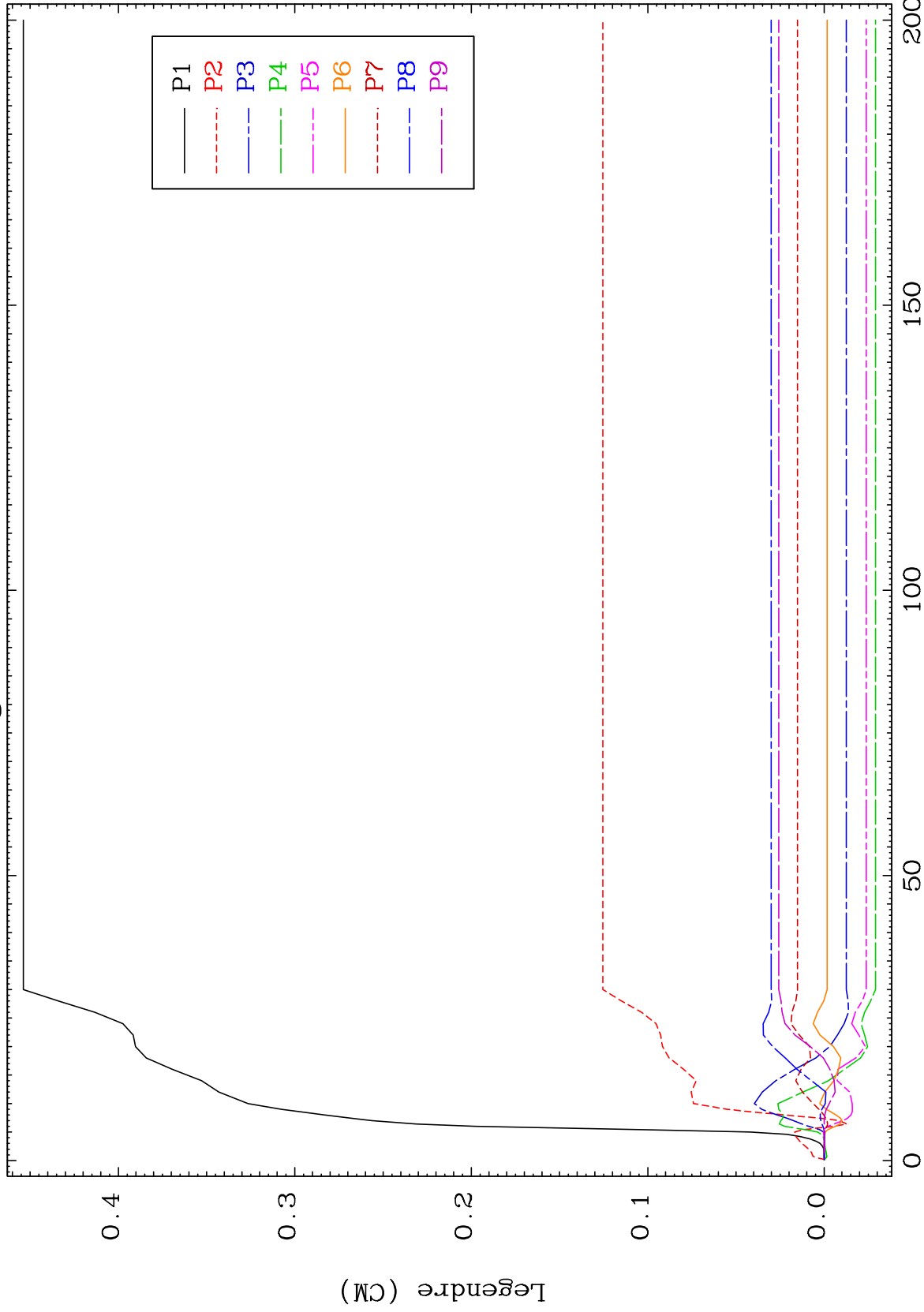
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



19

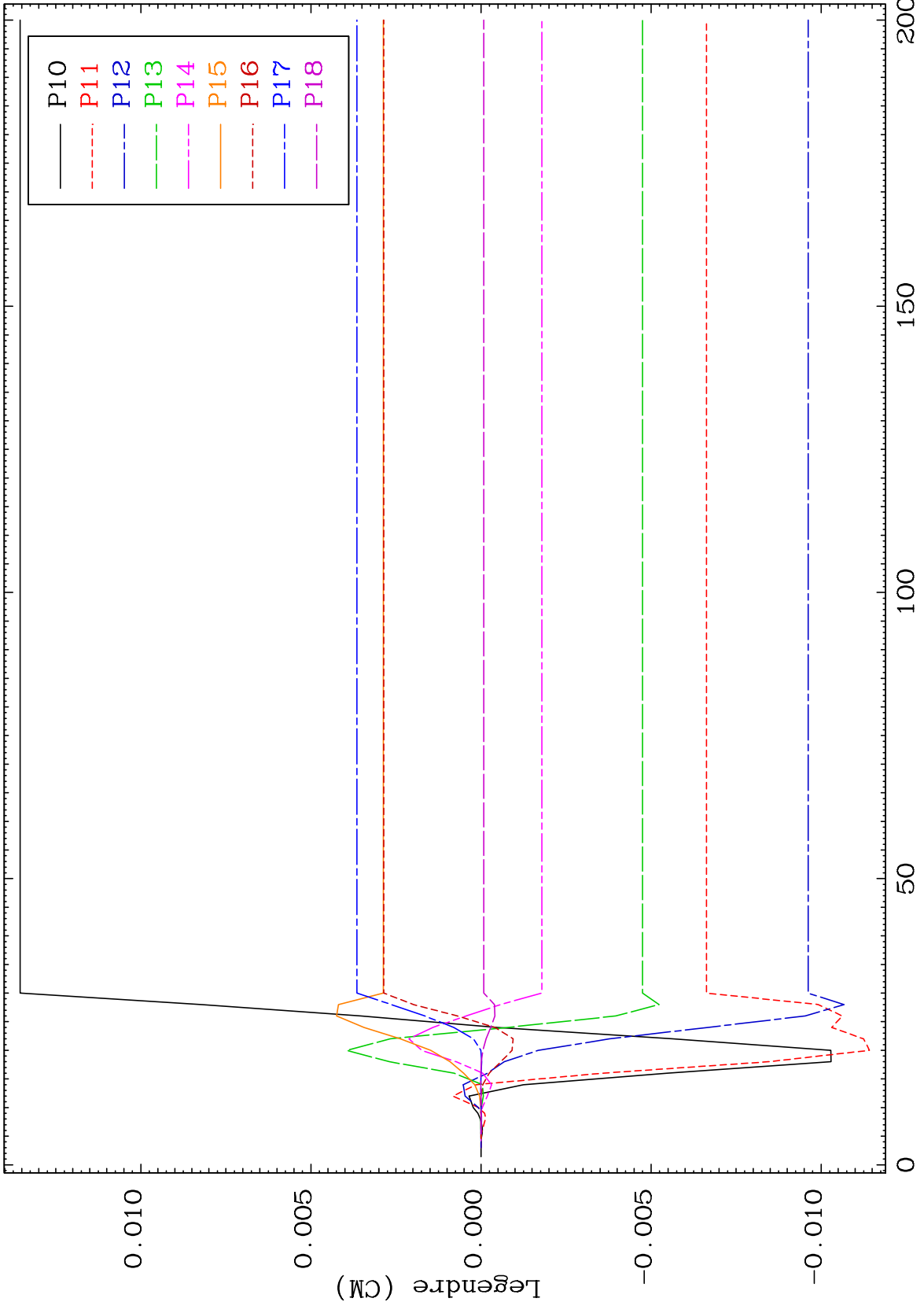
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



20

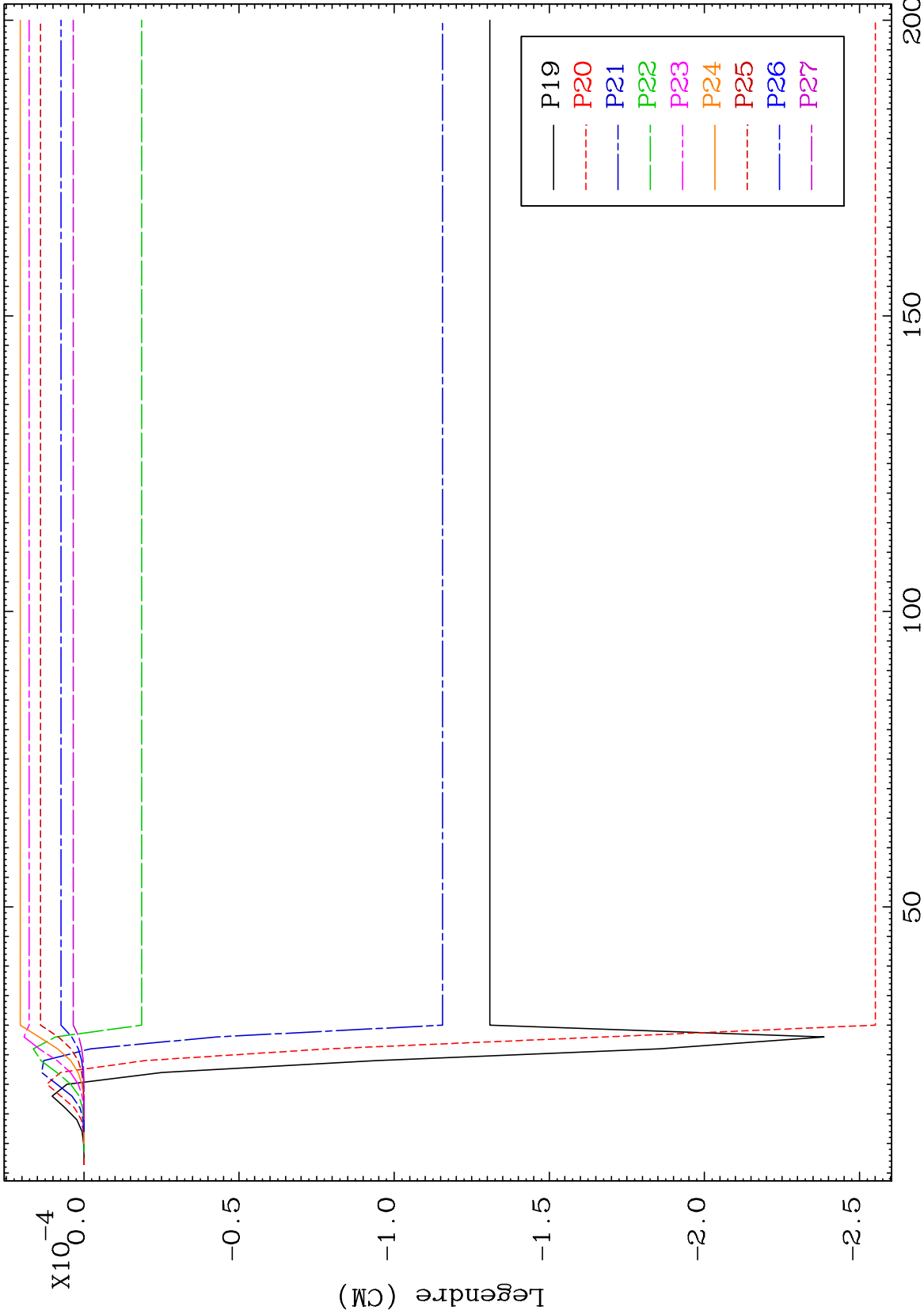
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



21

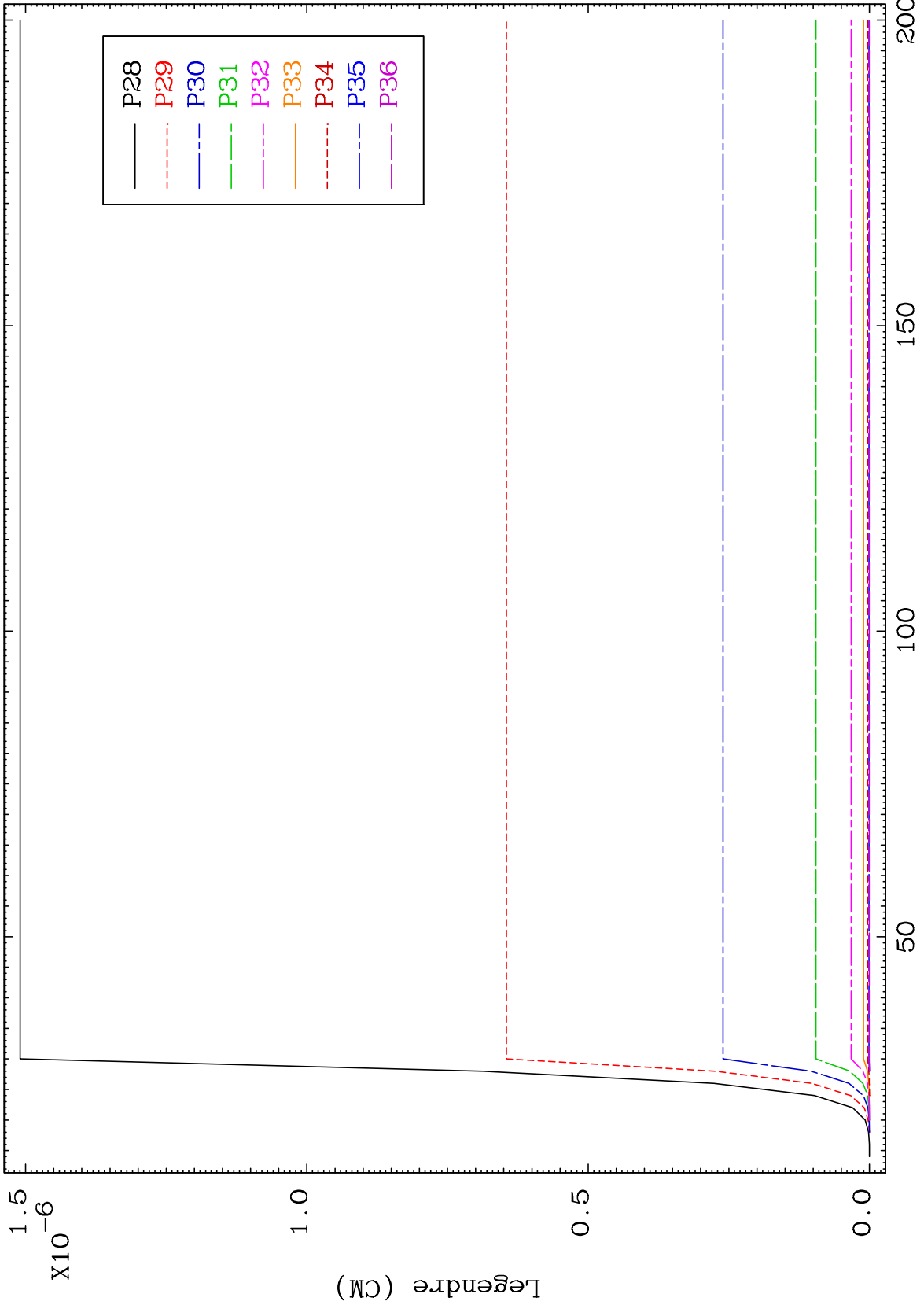
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



22

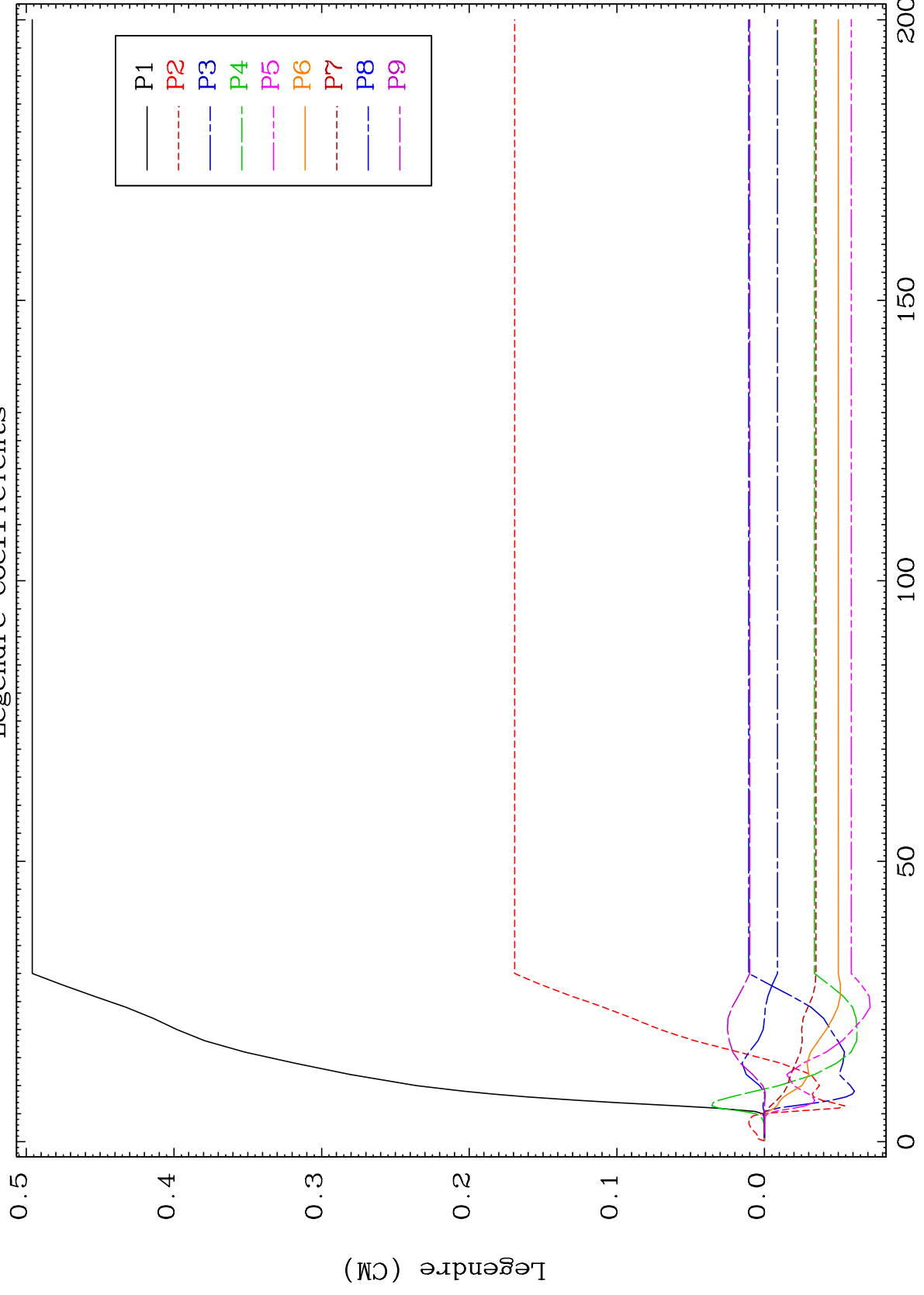
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



23

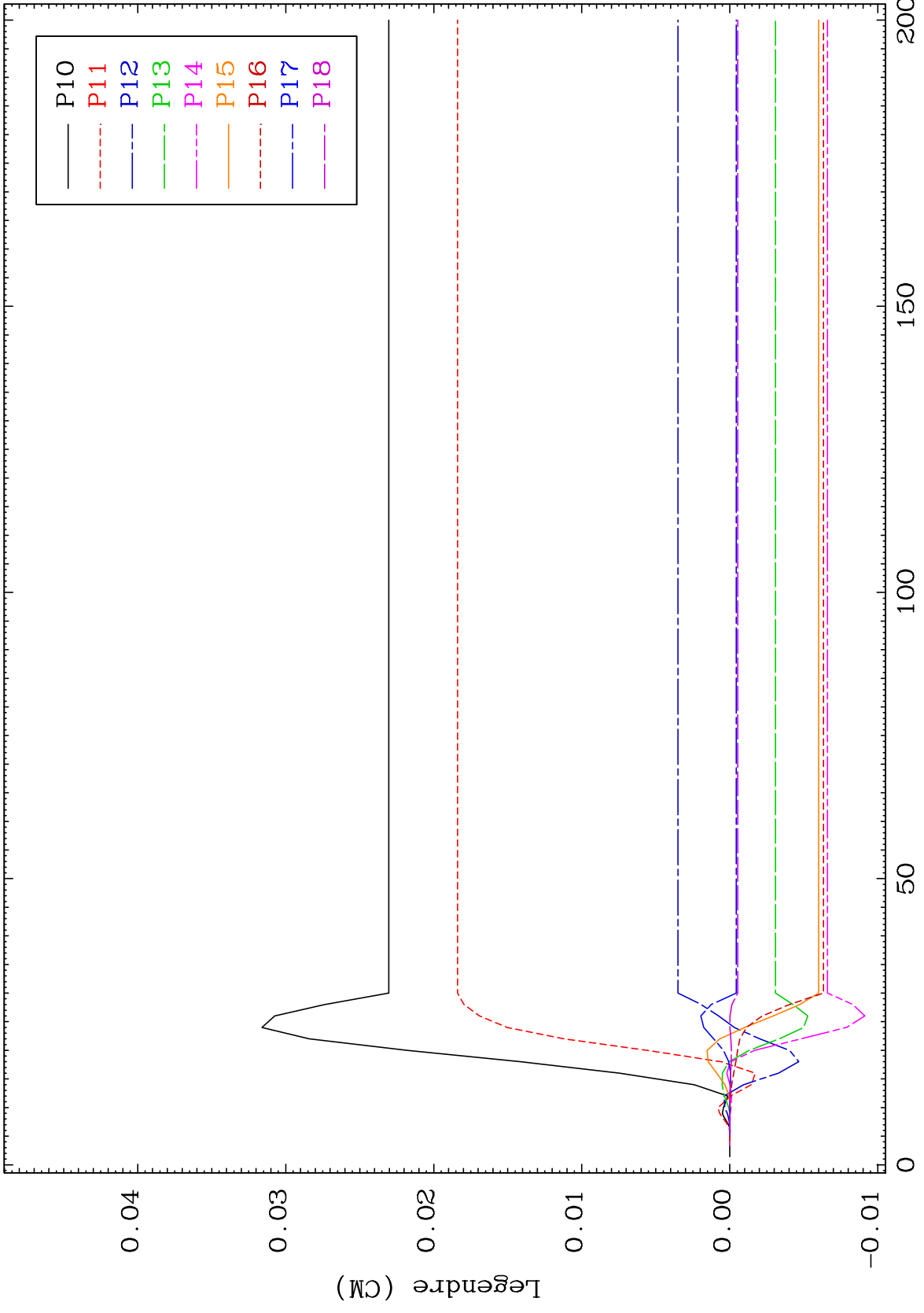
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



24

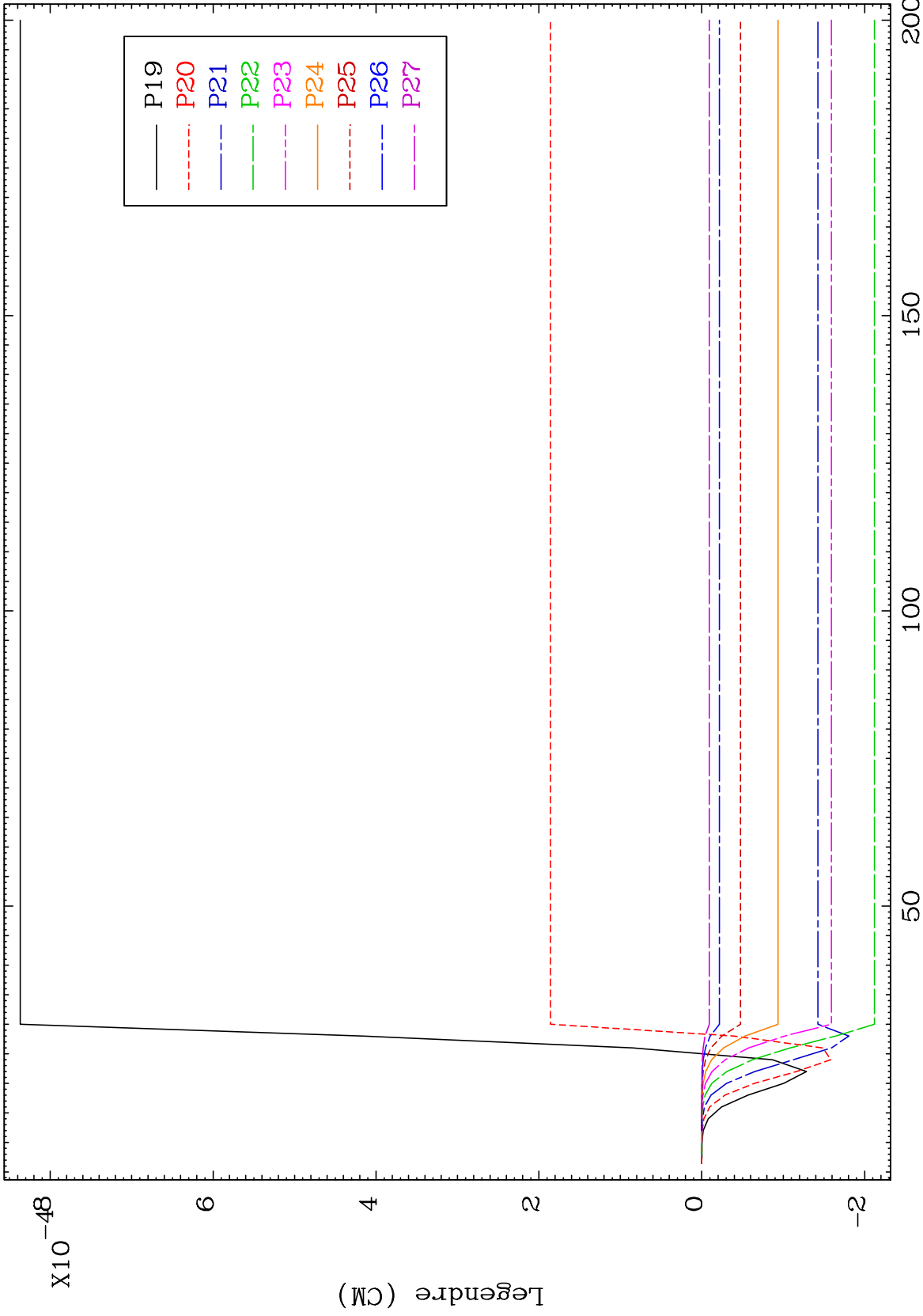
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



25

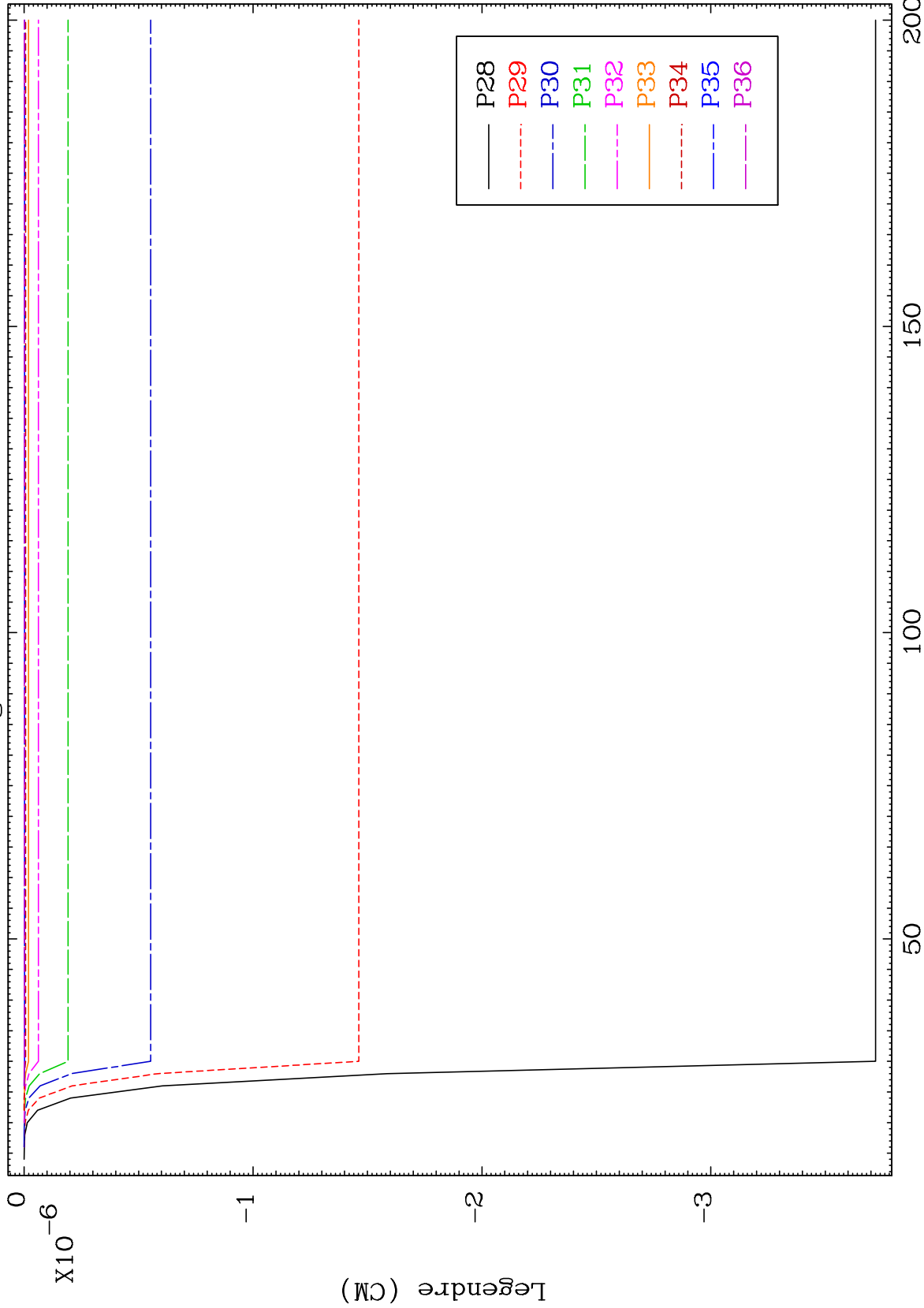
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



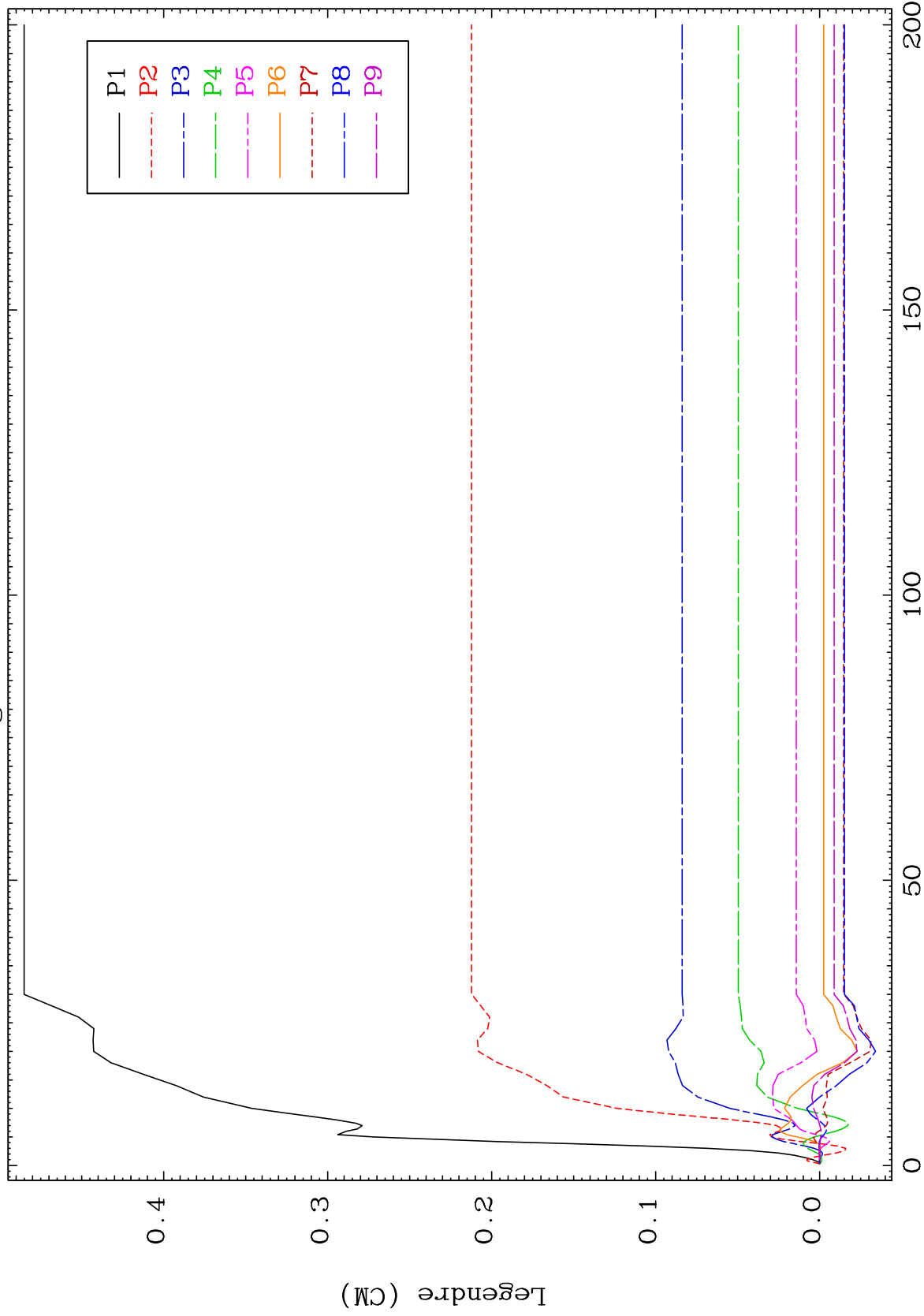
26

68-Er-155

MAT 6804

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

68-Er-155



27

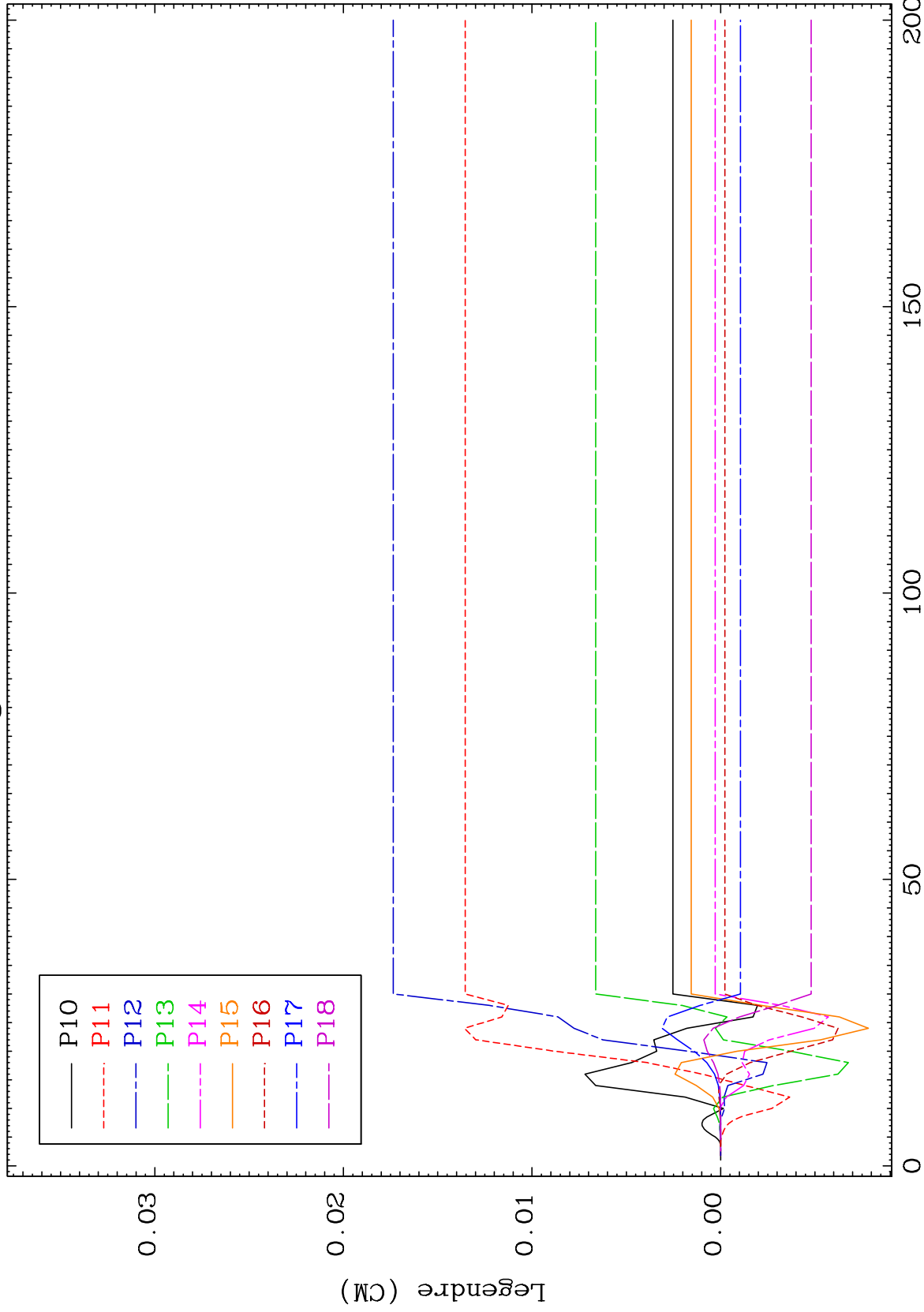
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



28

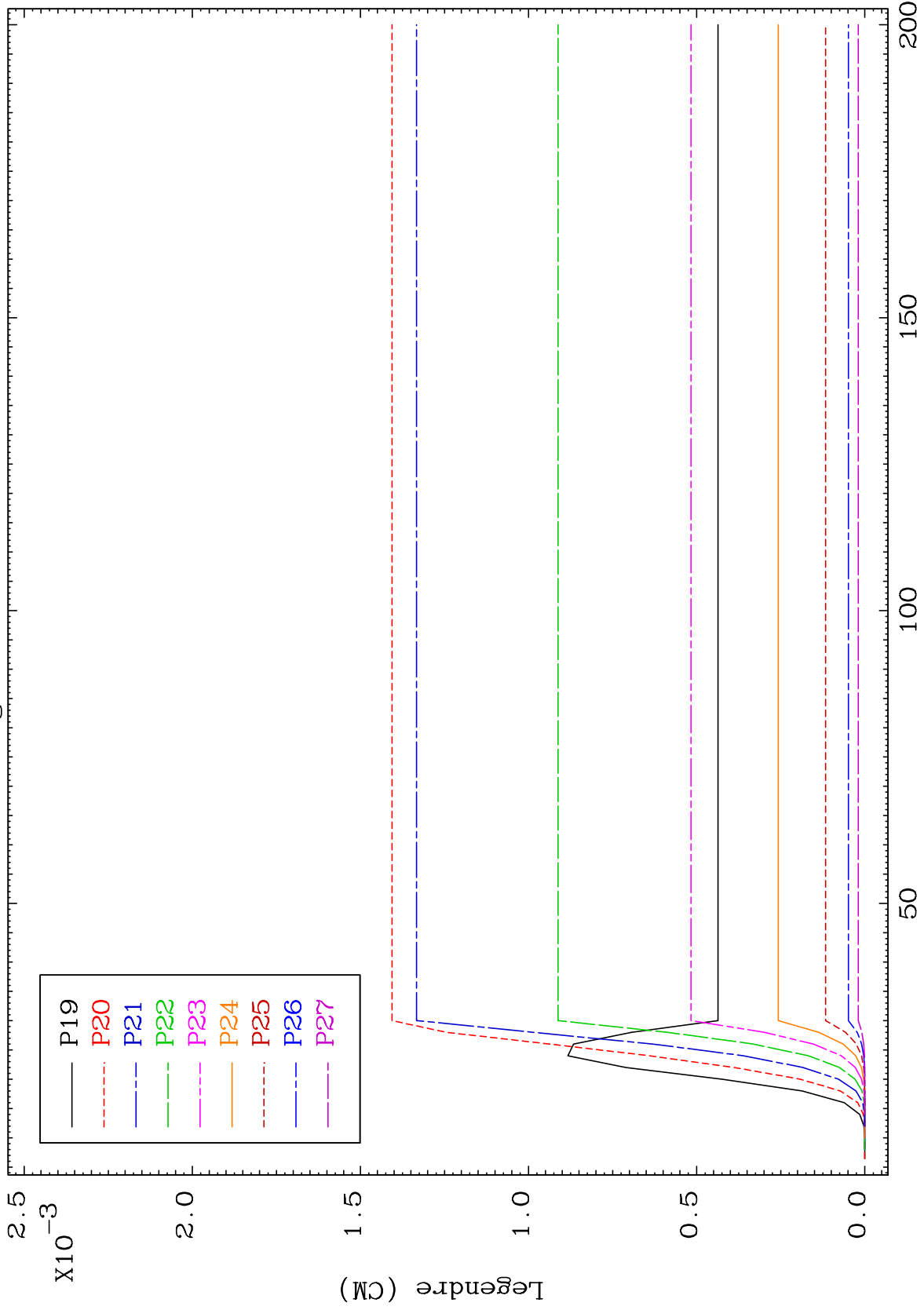
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



29

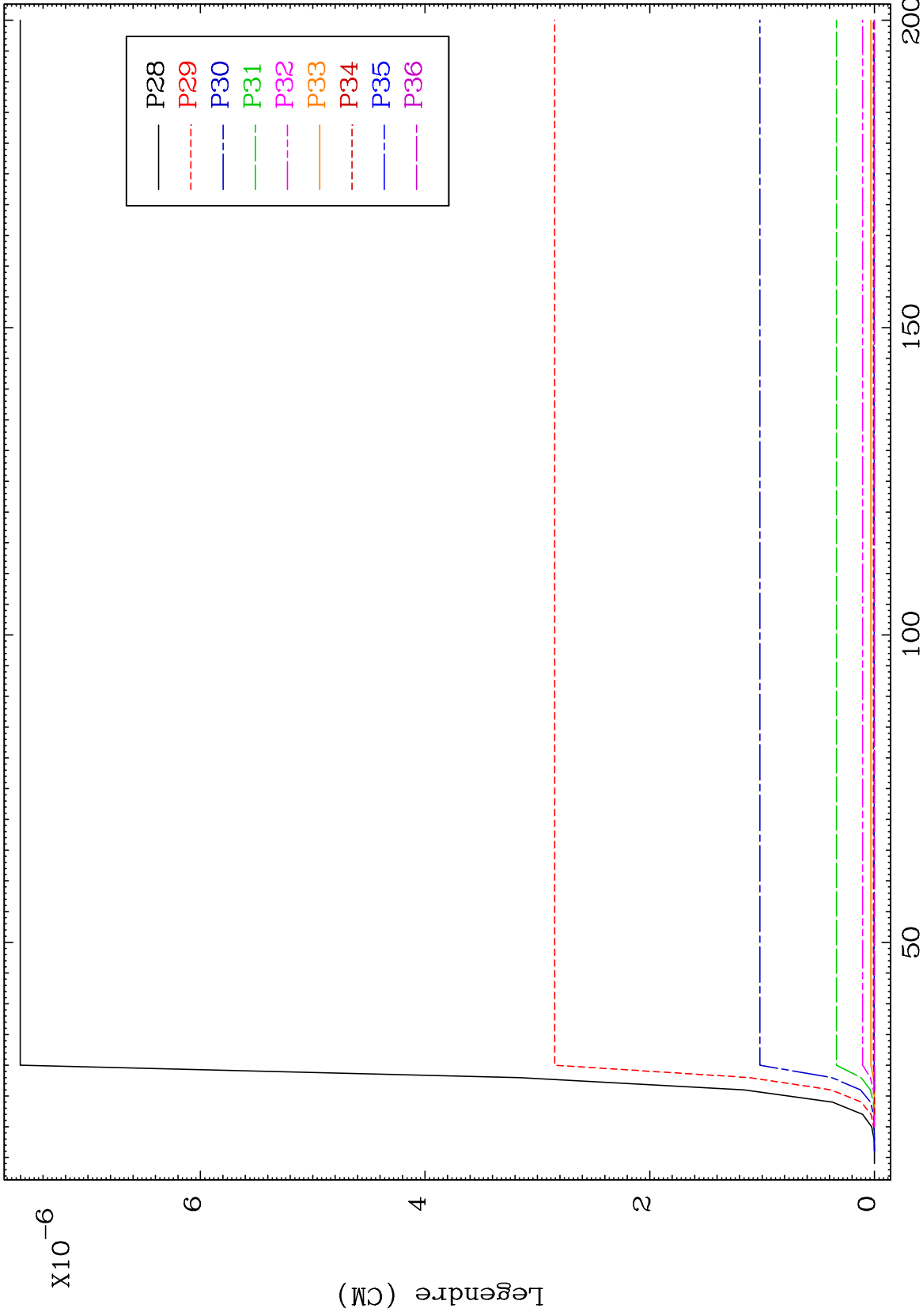
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68-Er-155

MAT 6804

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

68-Er-155



30

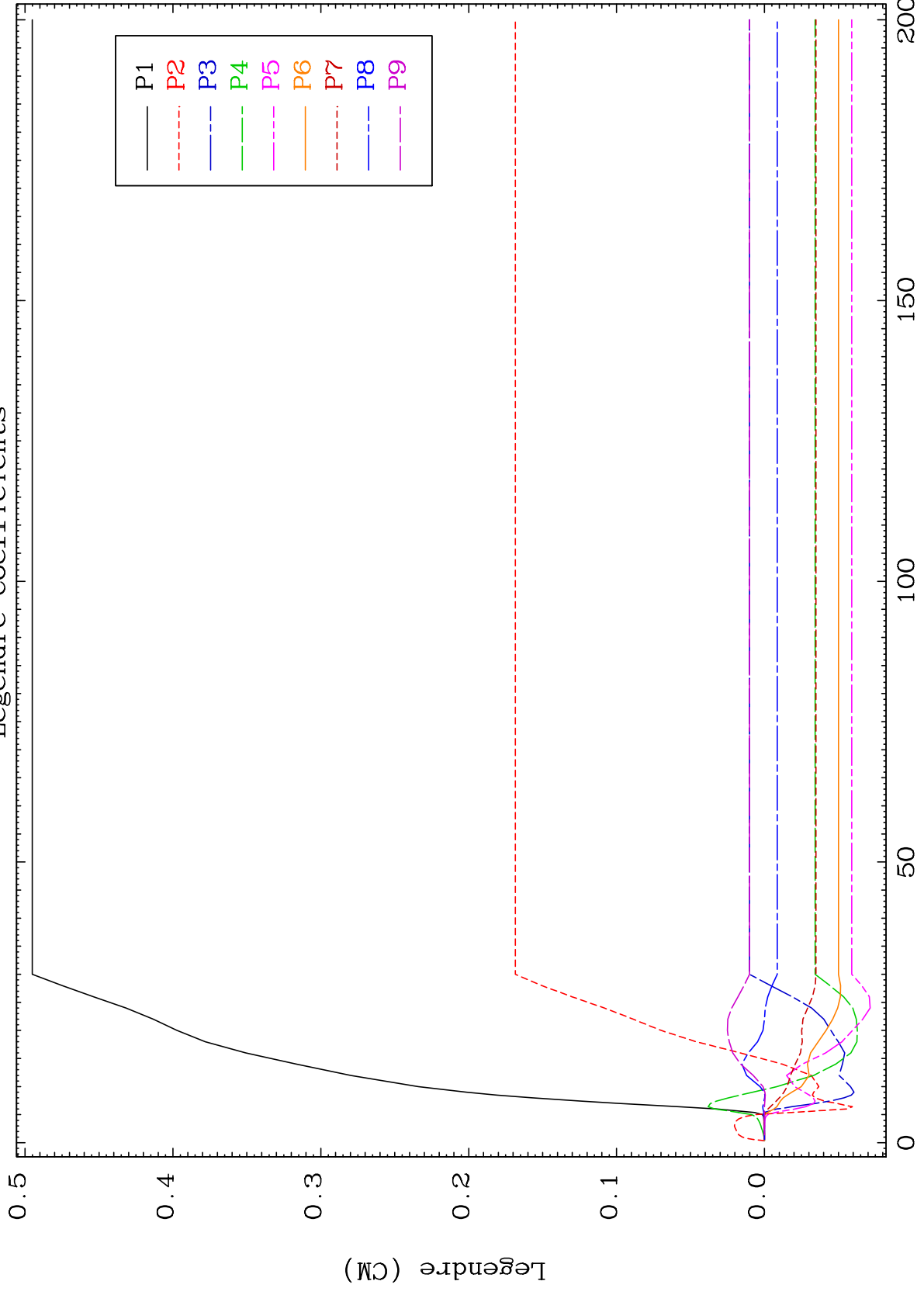
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



31

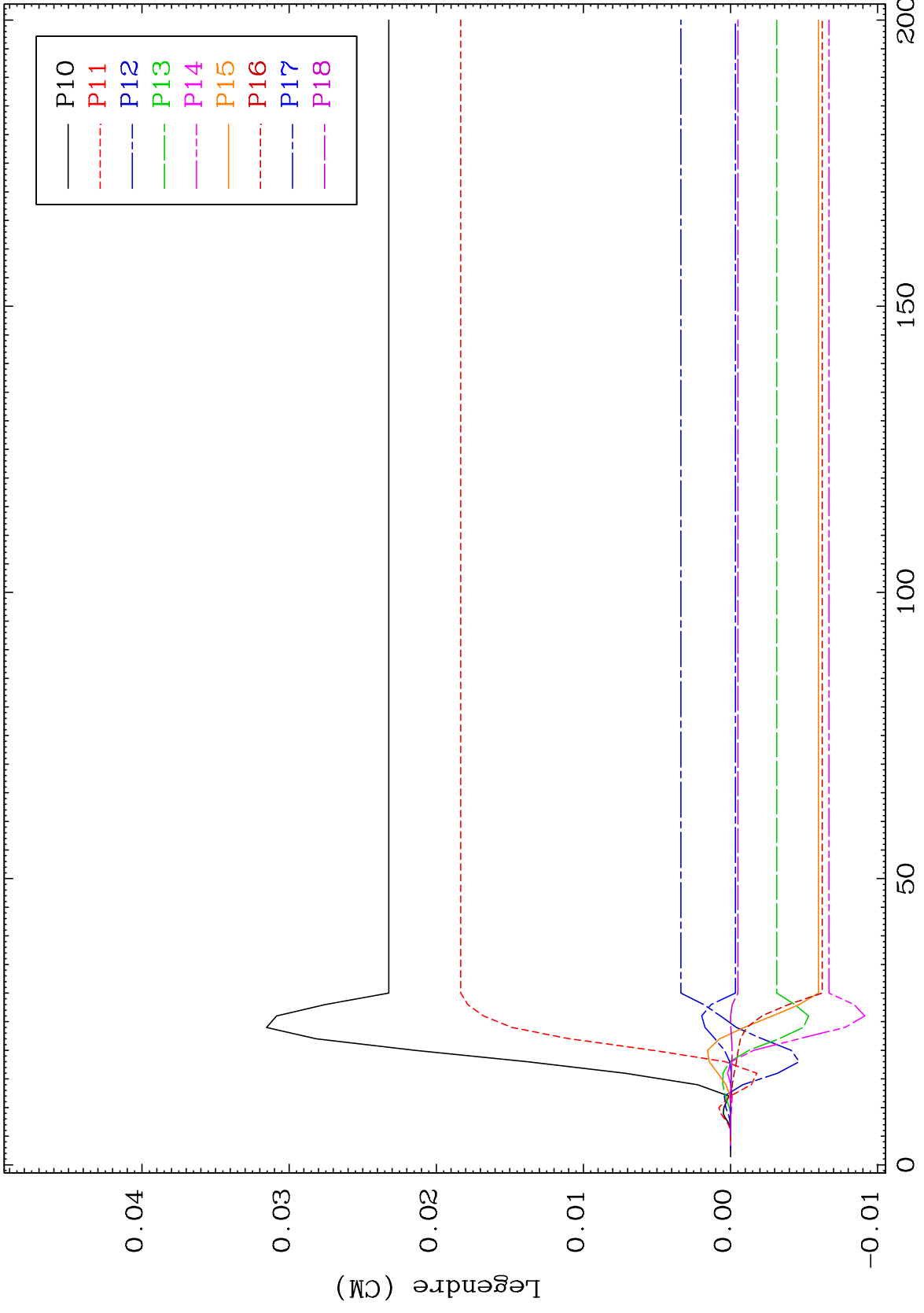
Incident Energy (MeV)

68-Er-155

MAT 6804

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

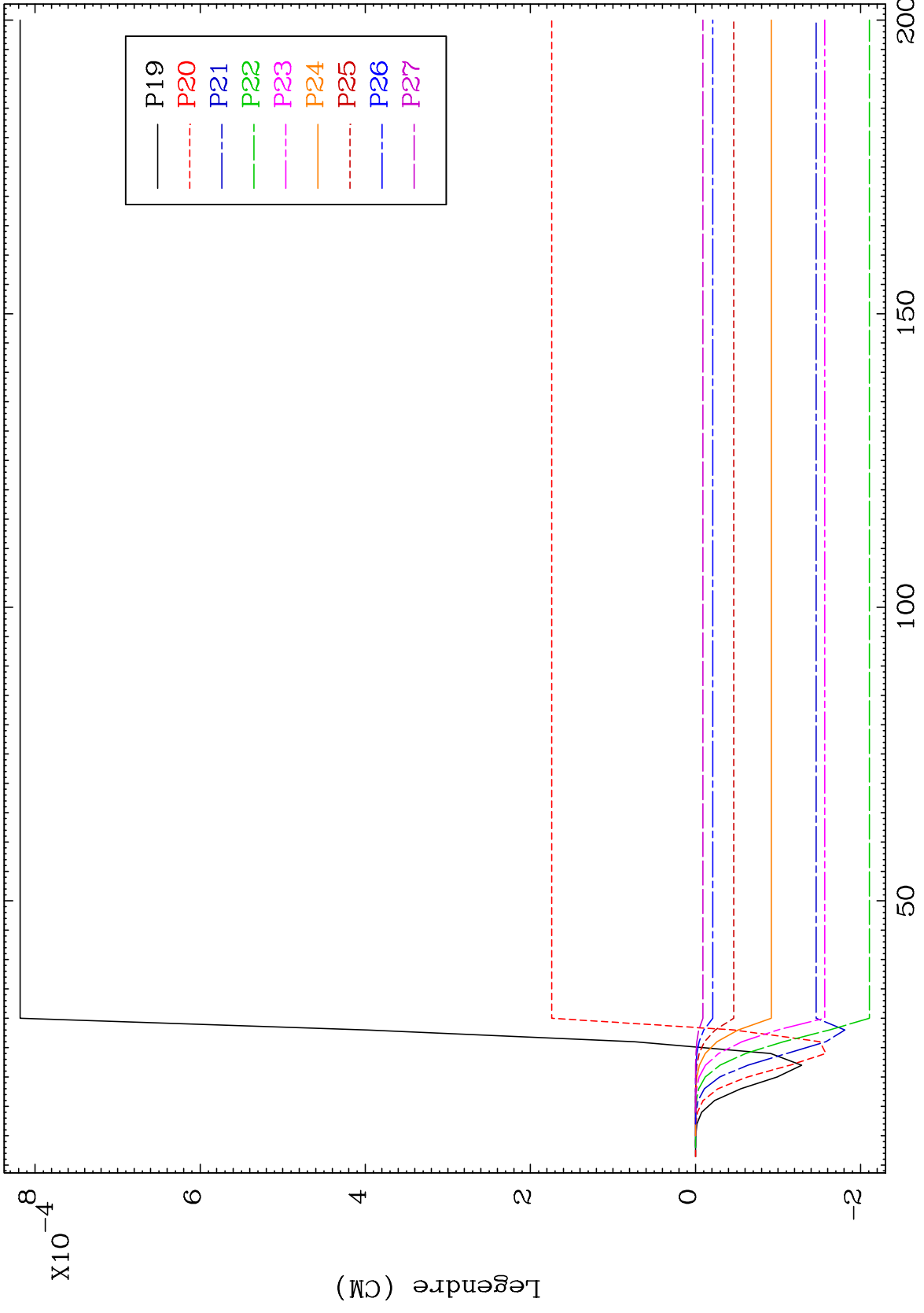
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32

Incident Energy (MeV)

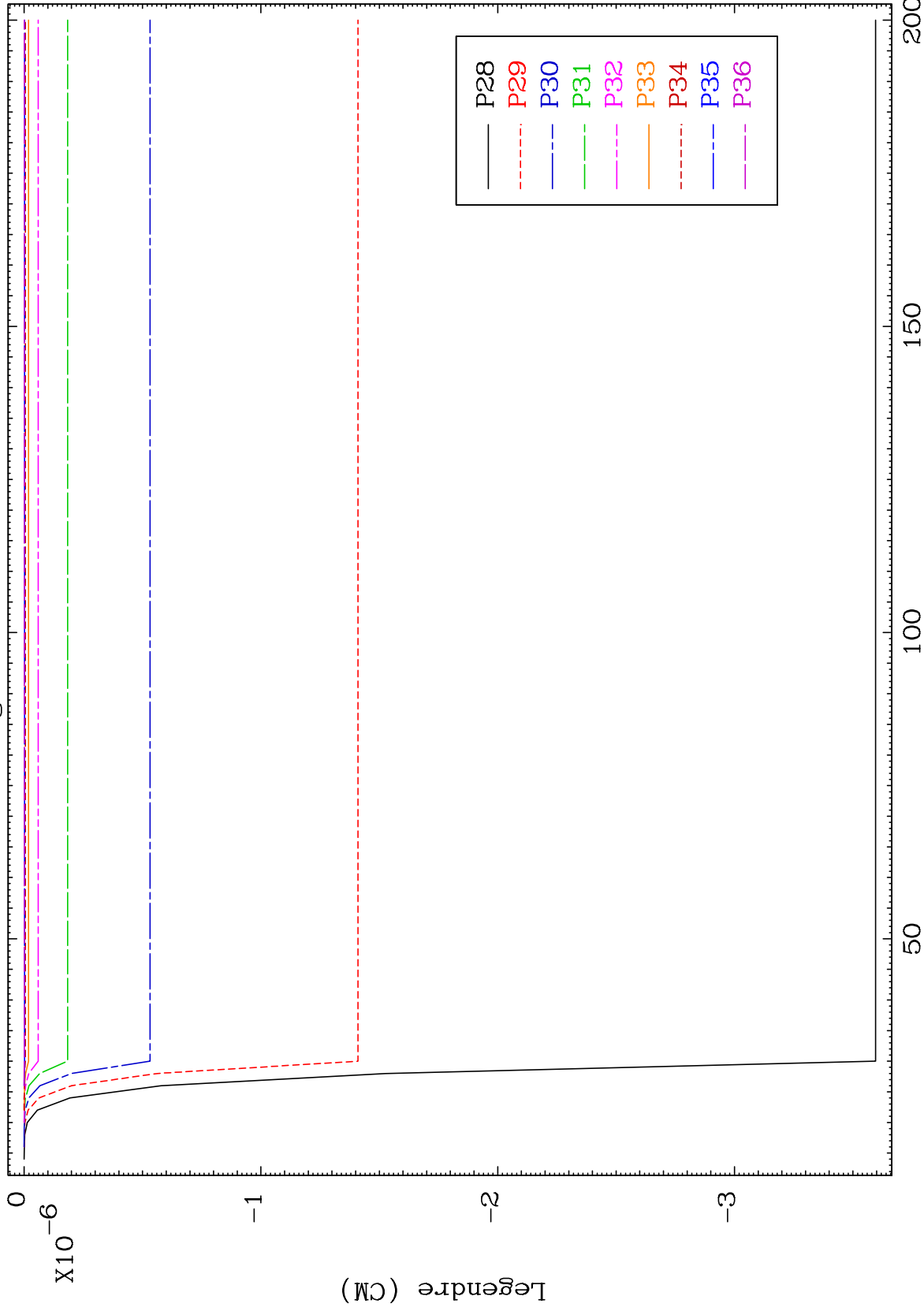
68-Er-155



MAT 6804

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

68-Er-155



68-Er-155

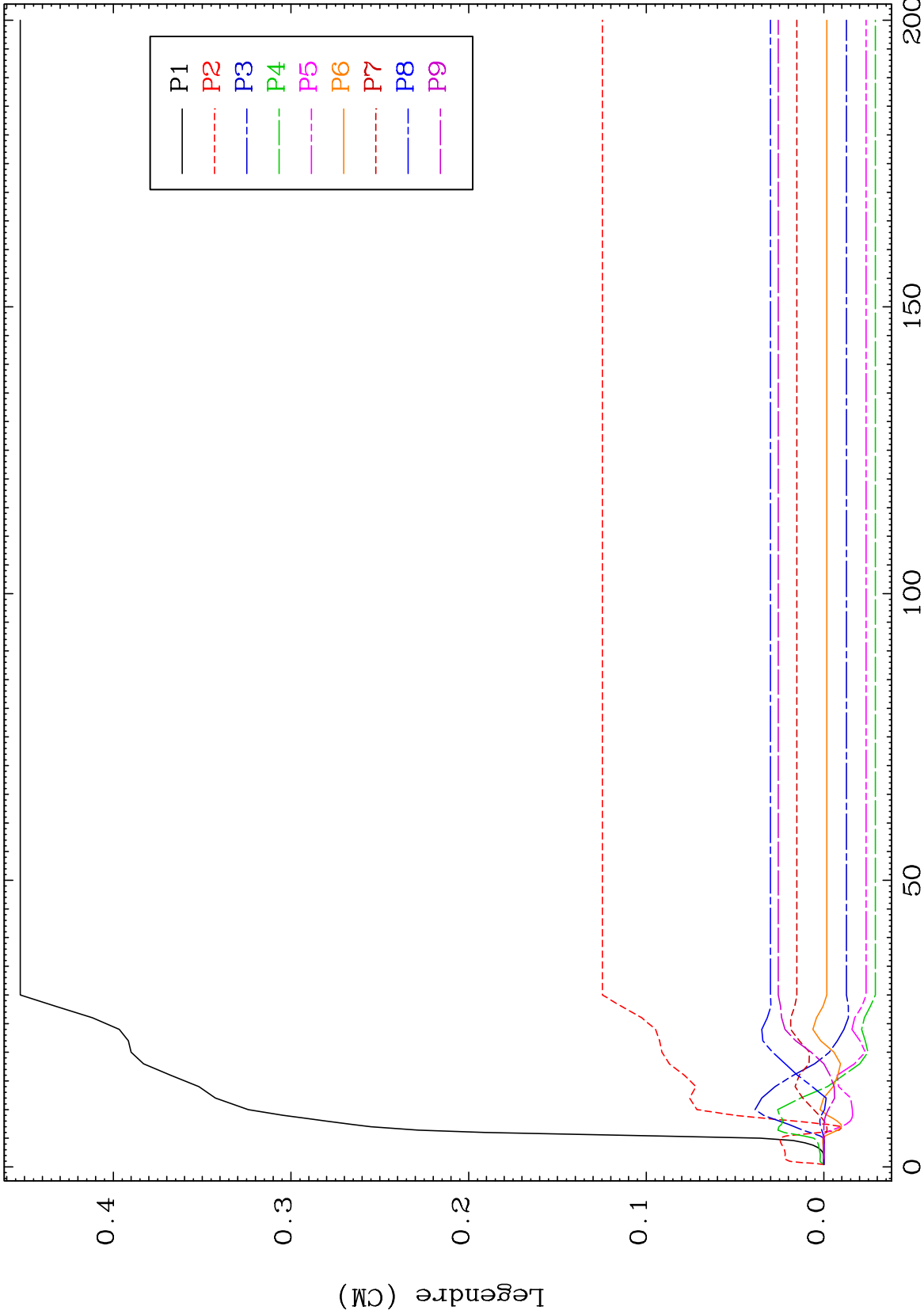
Incident Energy (MeV)

34

MAT 6804

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

68-Er-155



35

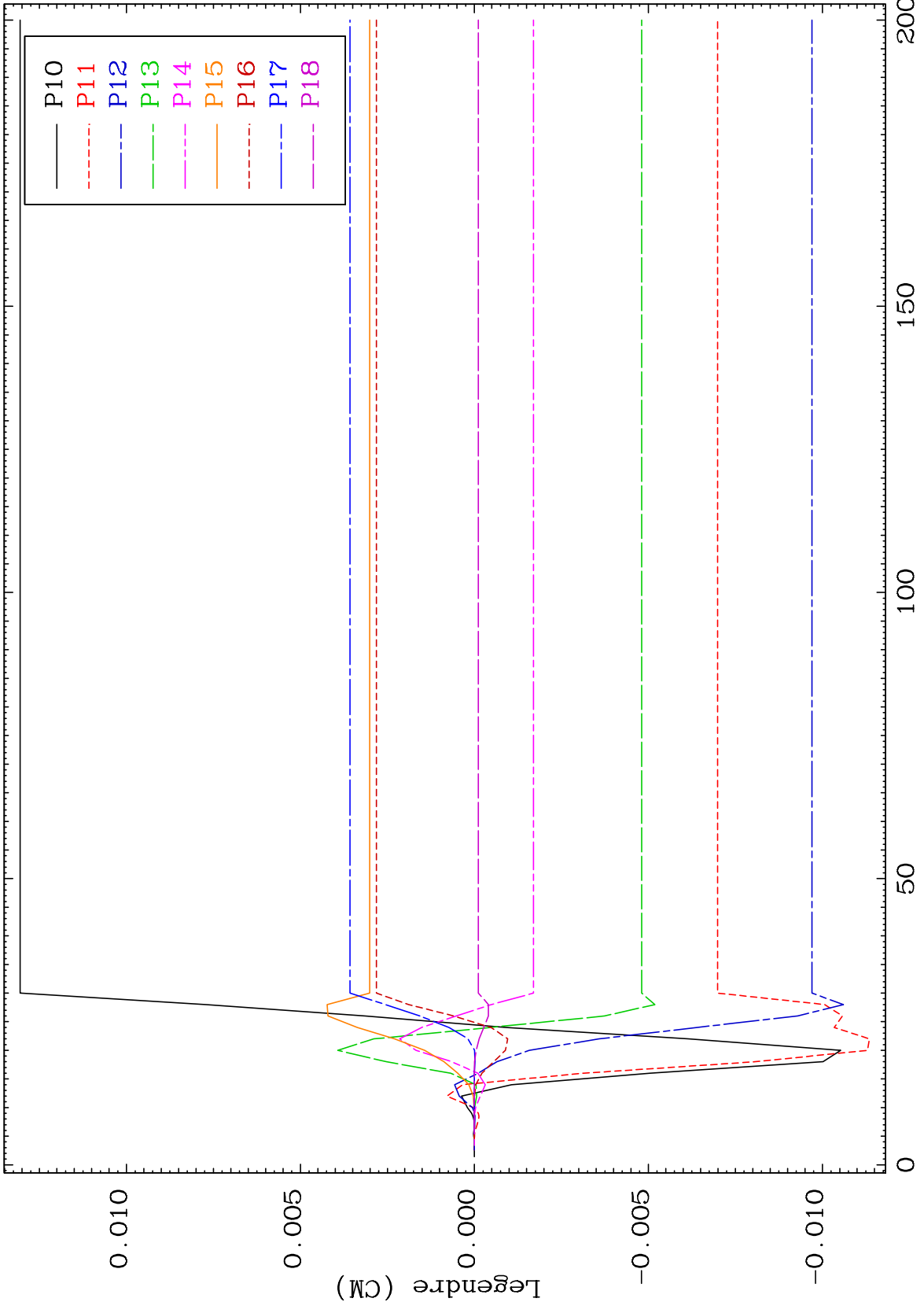
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



36

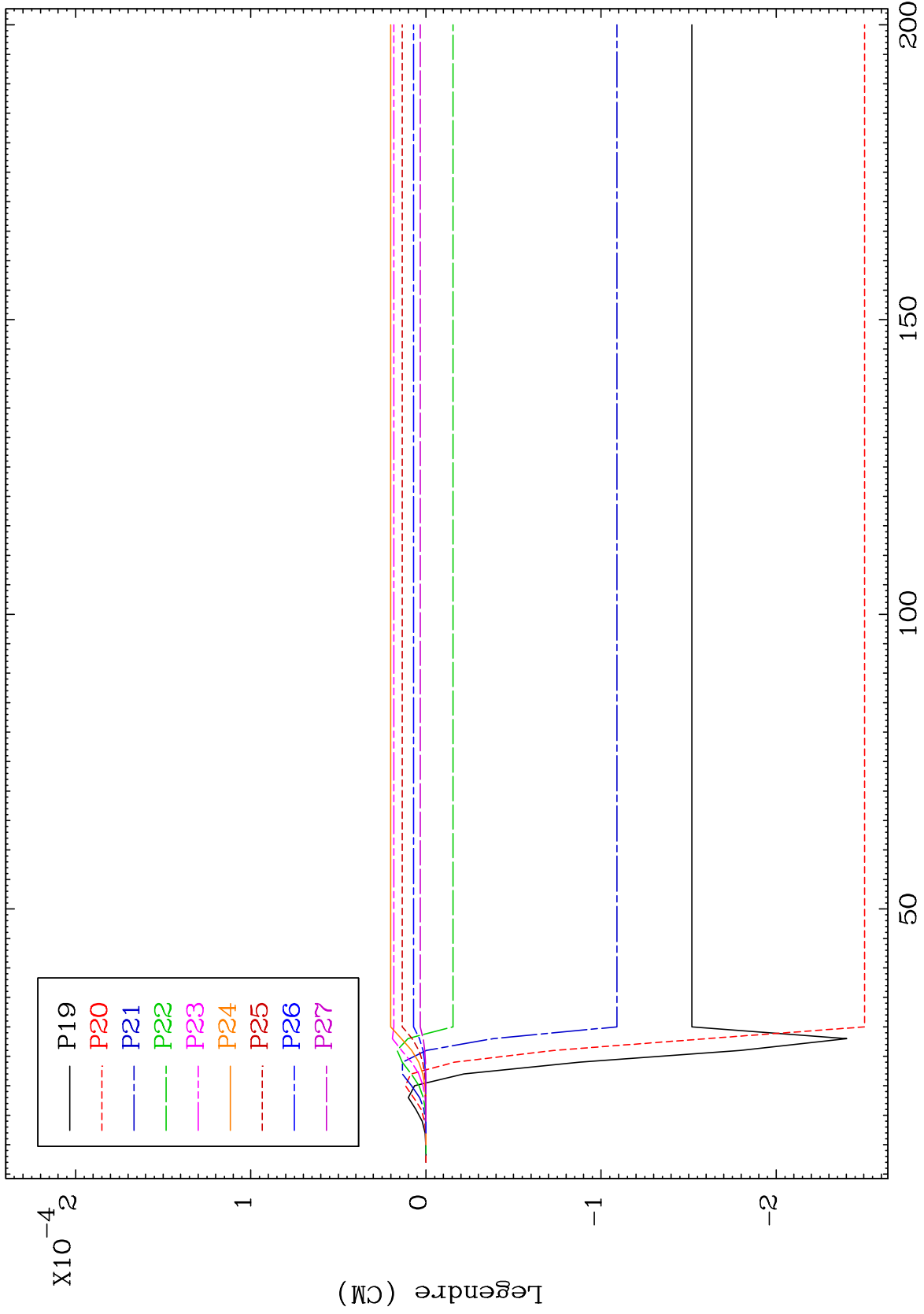
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



37

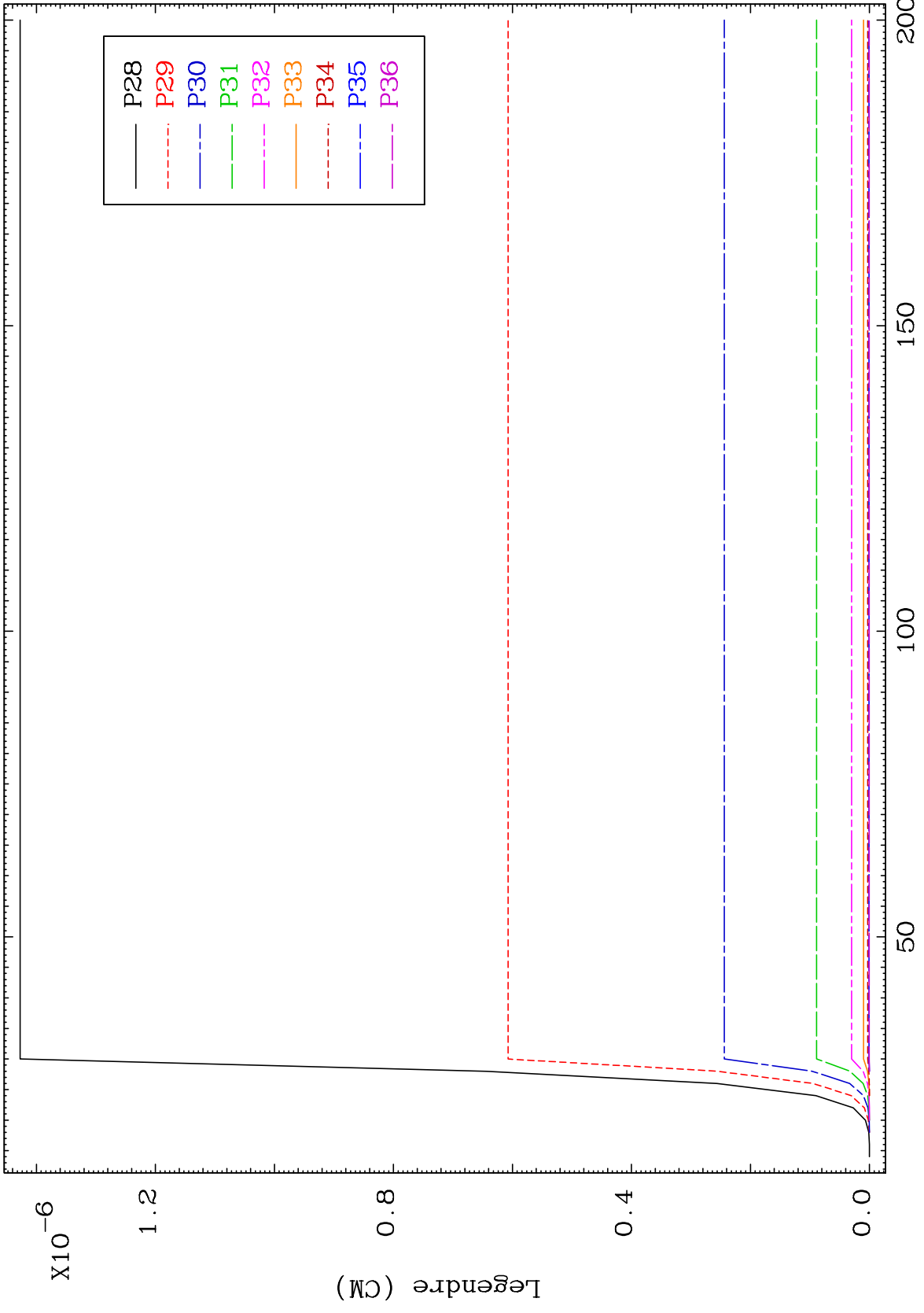
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



38

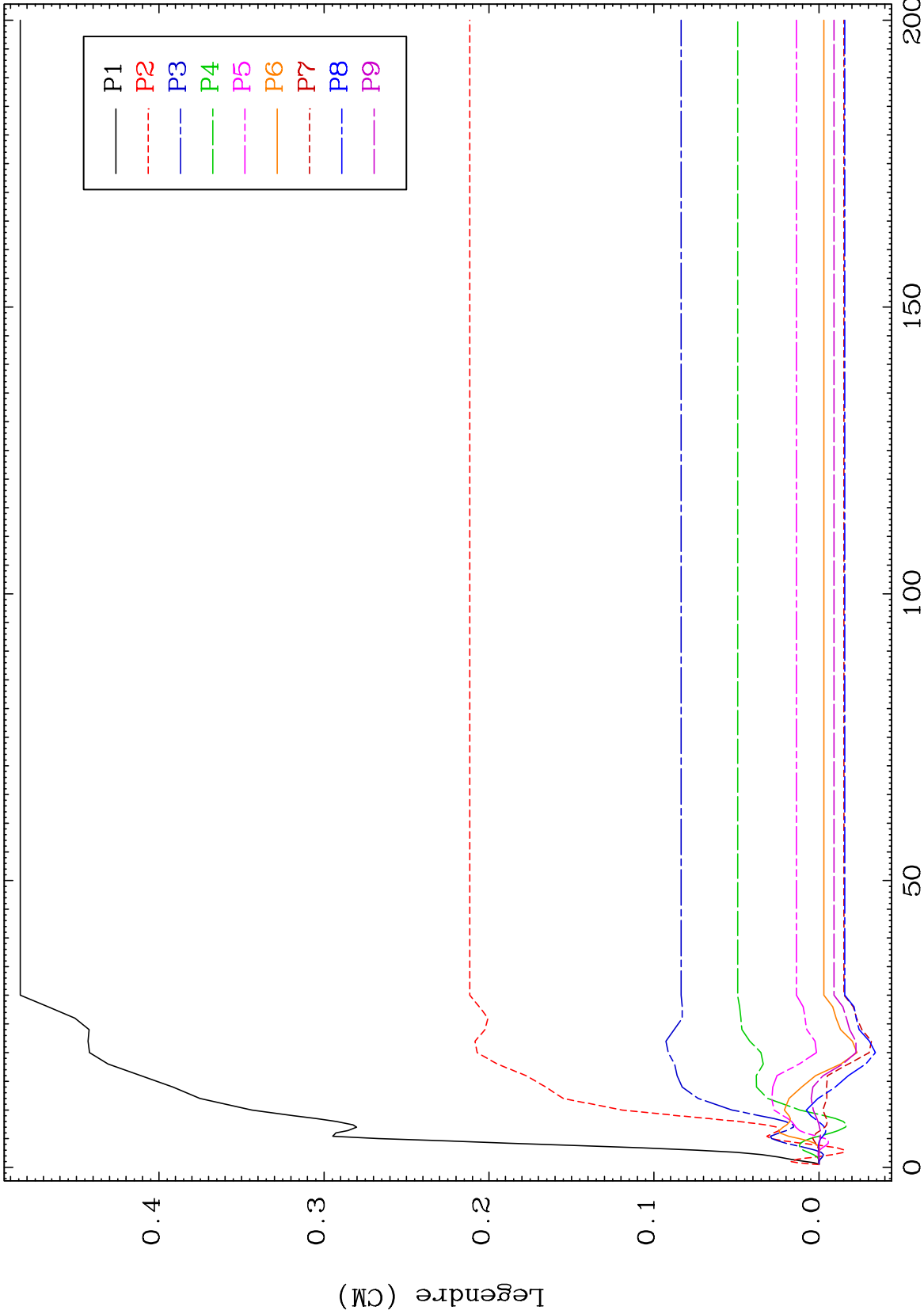
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



39

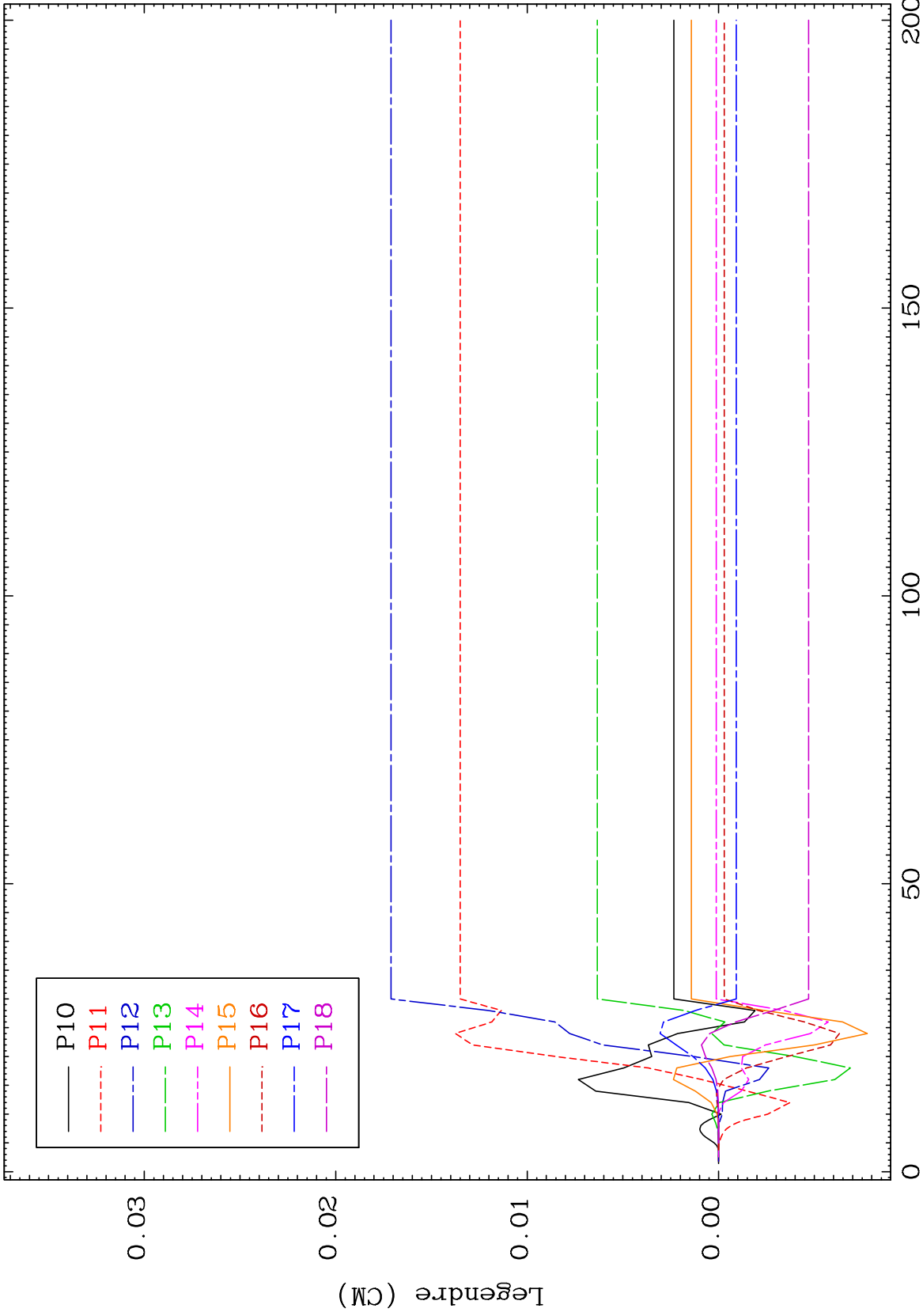
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



40

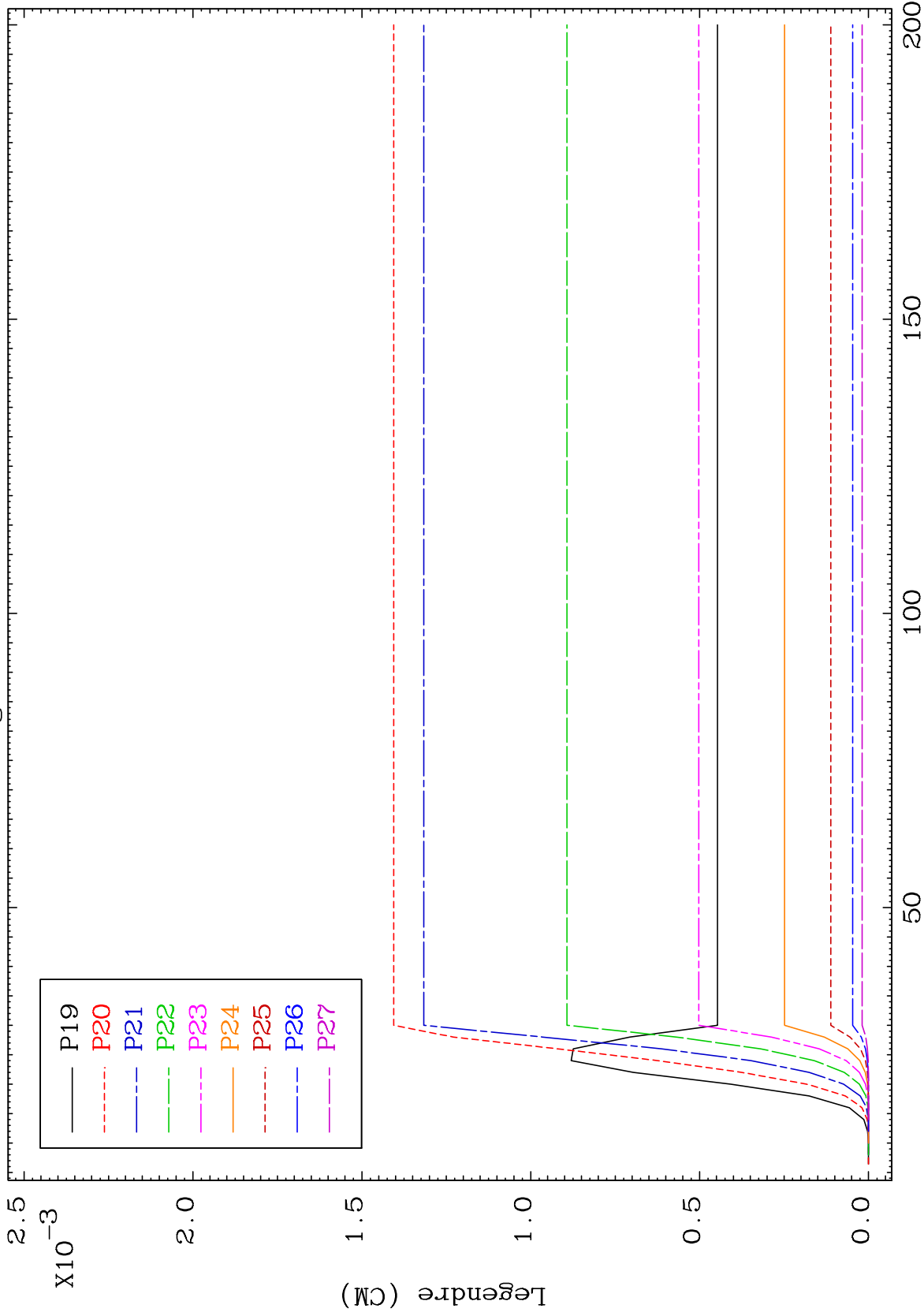
Incident Energy (MeV)

68-Er-155

MAT 6804

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

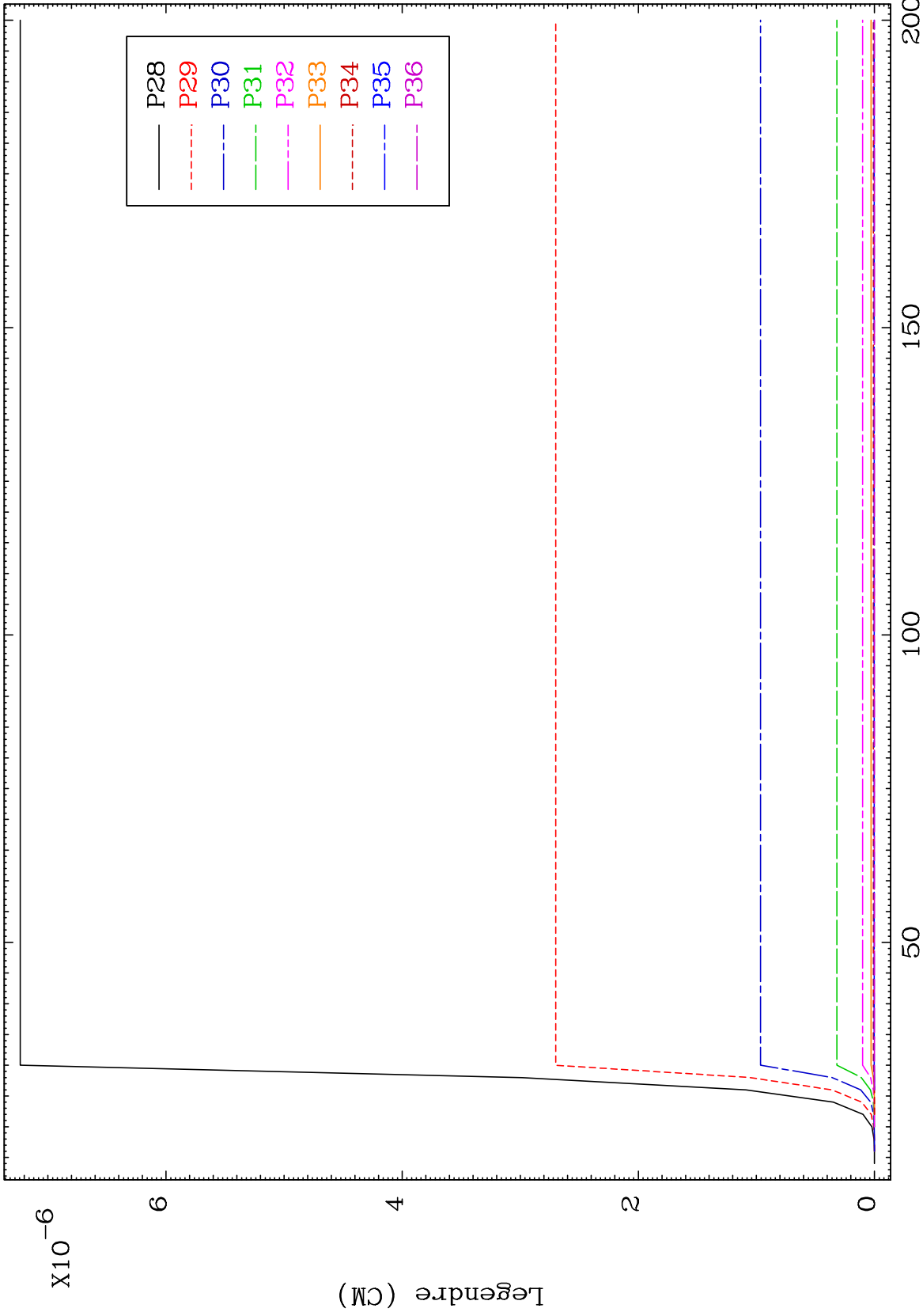
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MAT 6804

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

68-Er-155



42

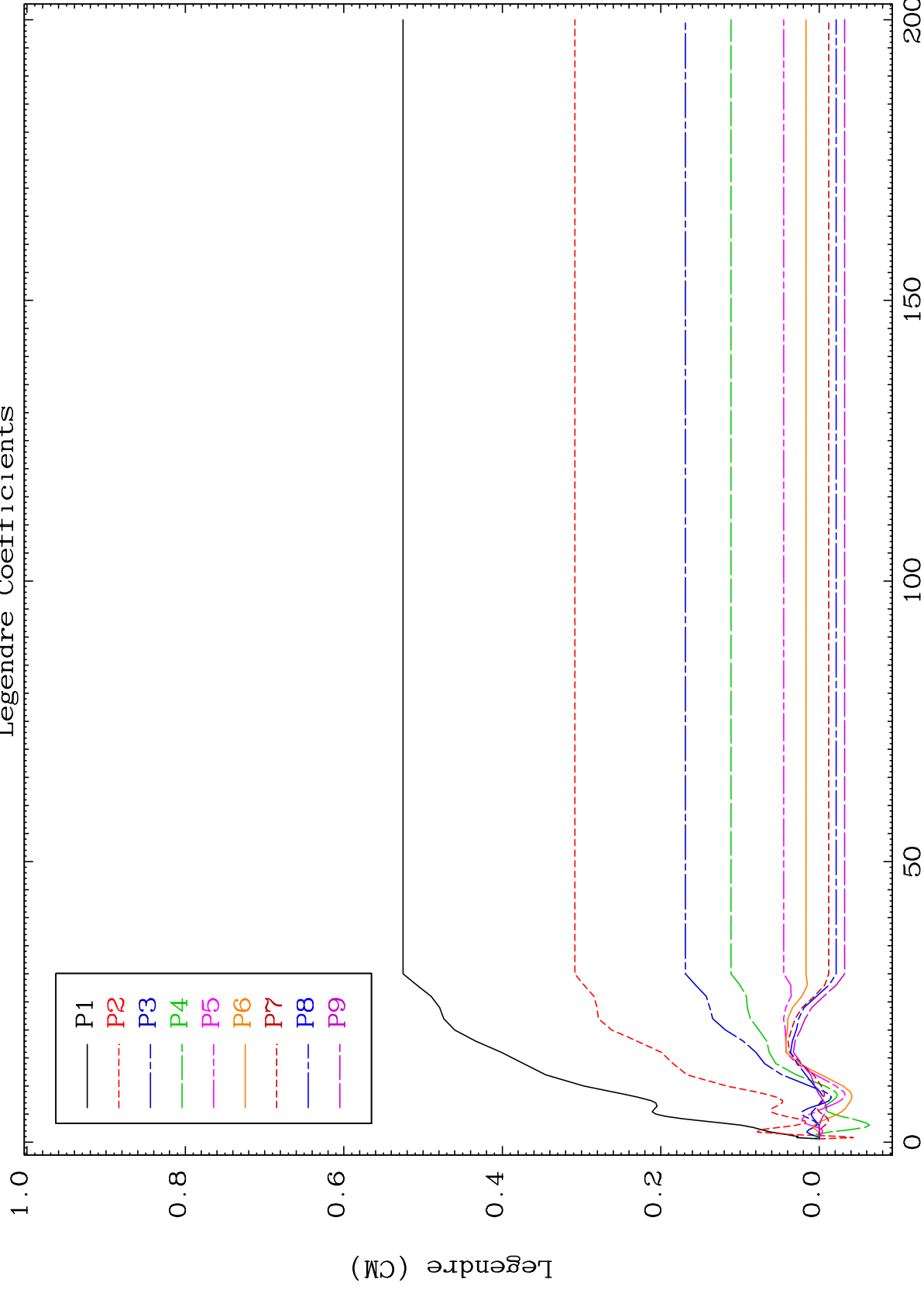
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



68-Er-155

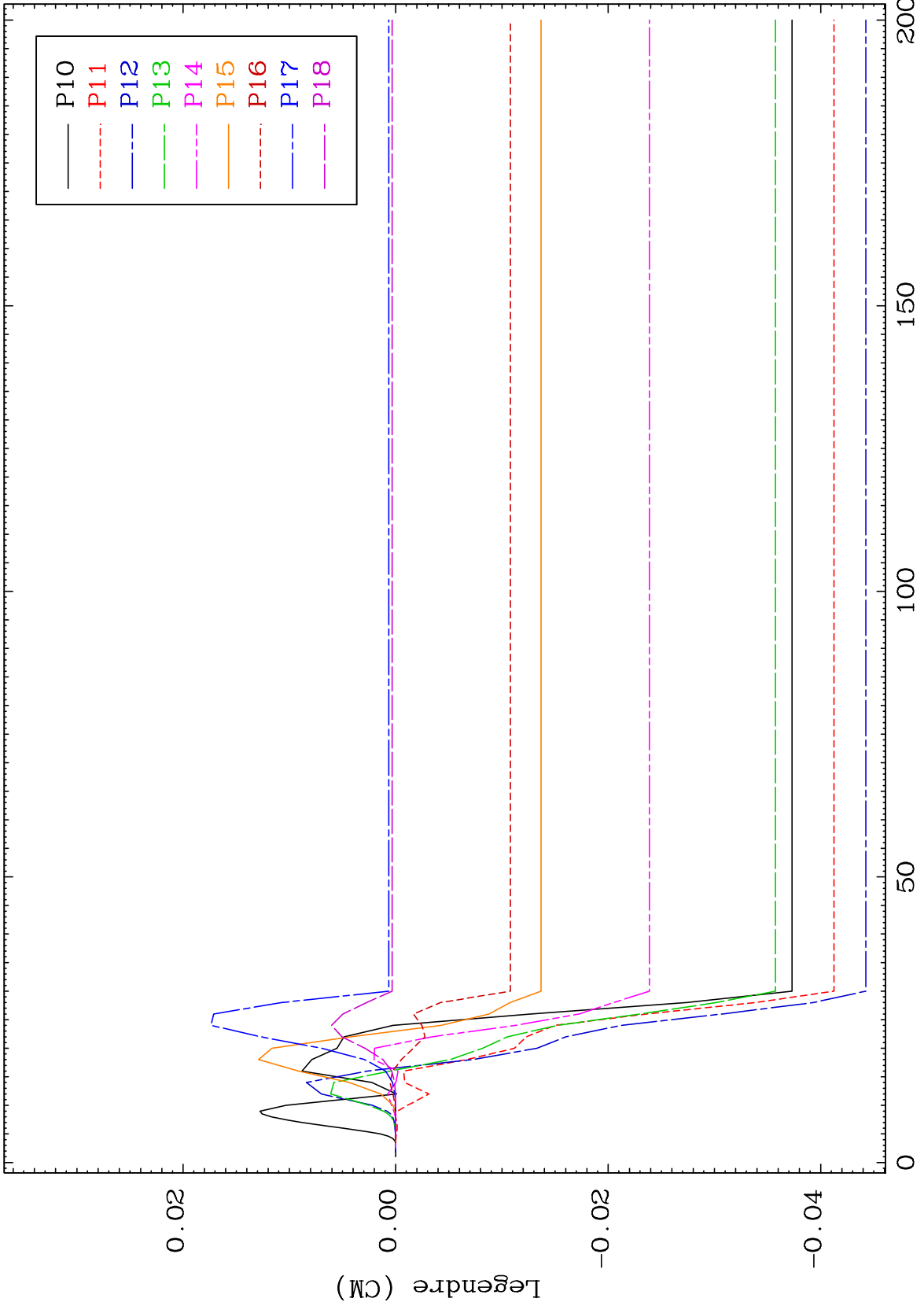
Incident Energy (MeV)

43

MAT 6804

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

68-Er-155



44

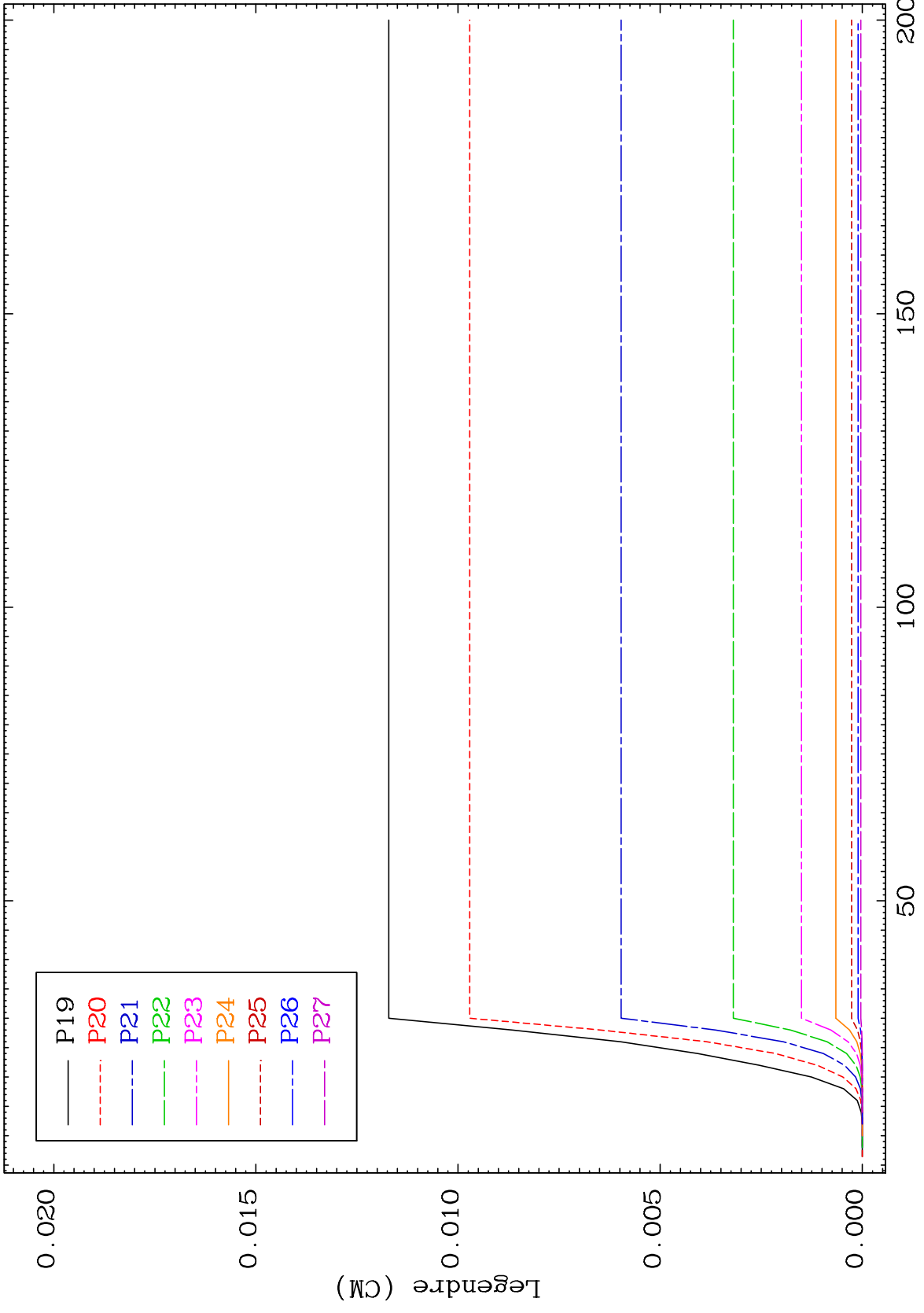
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



45

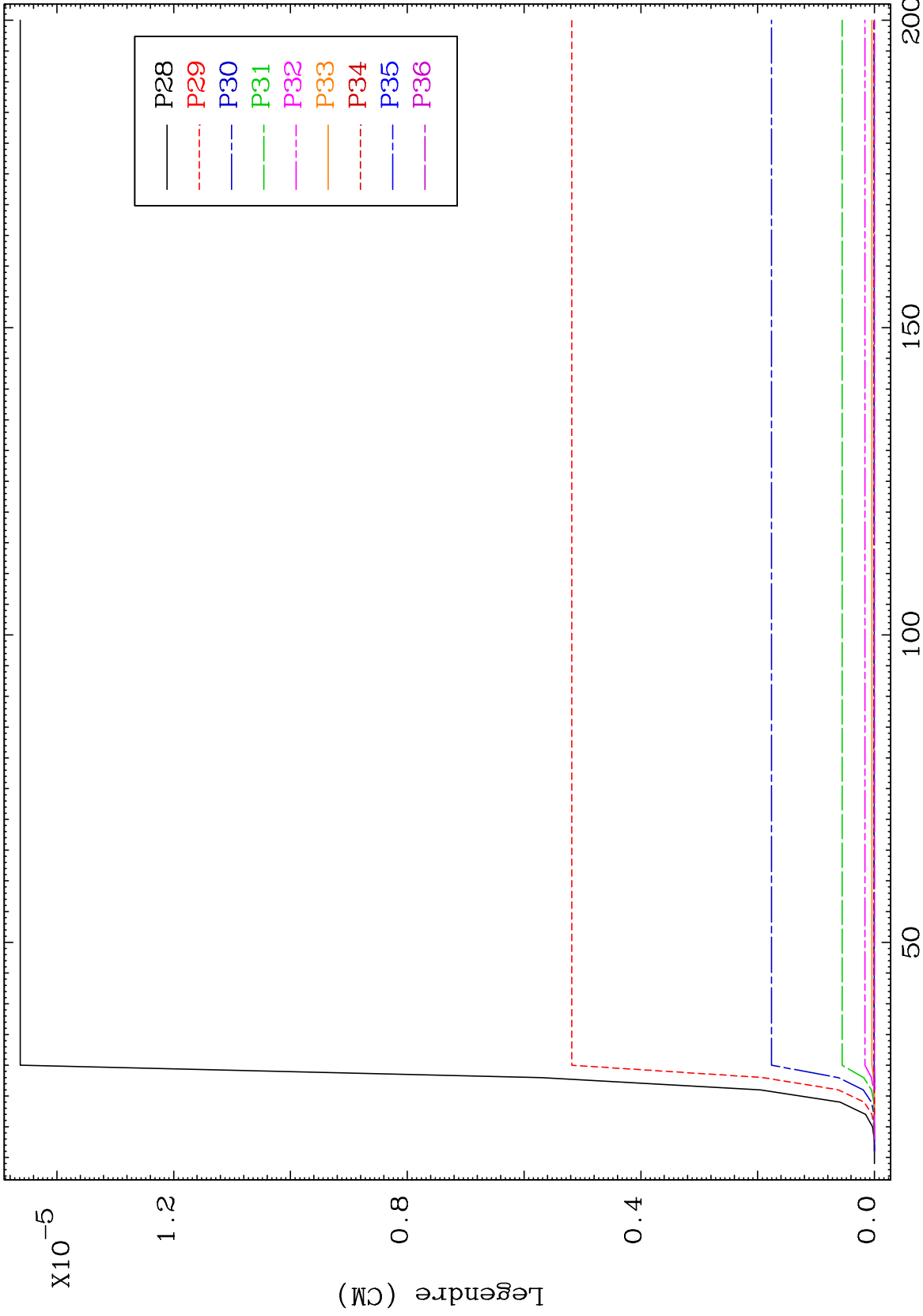
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



46

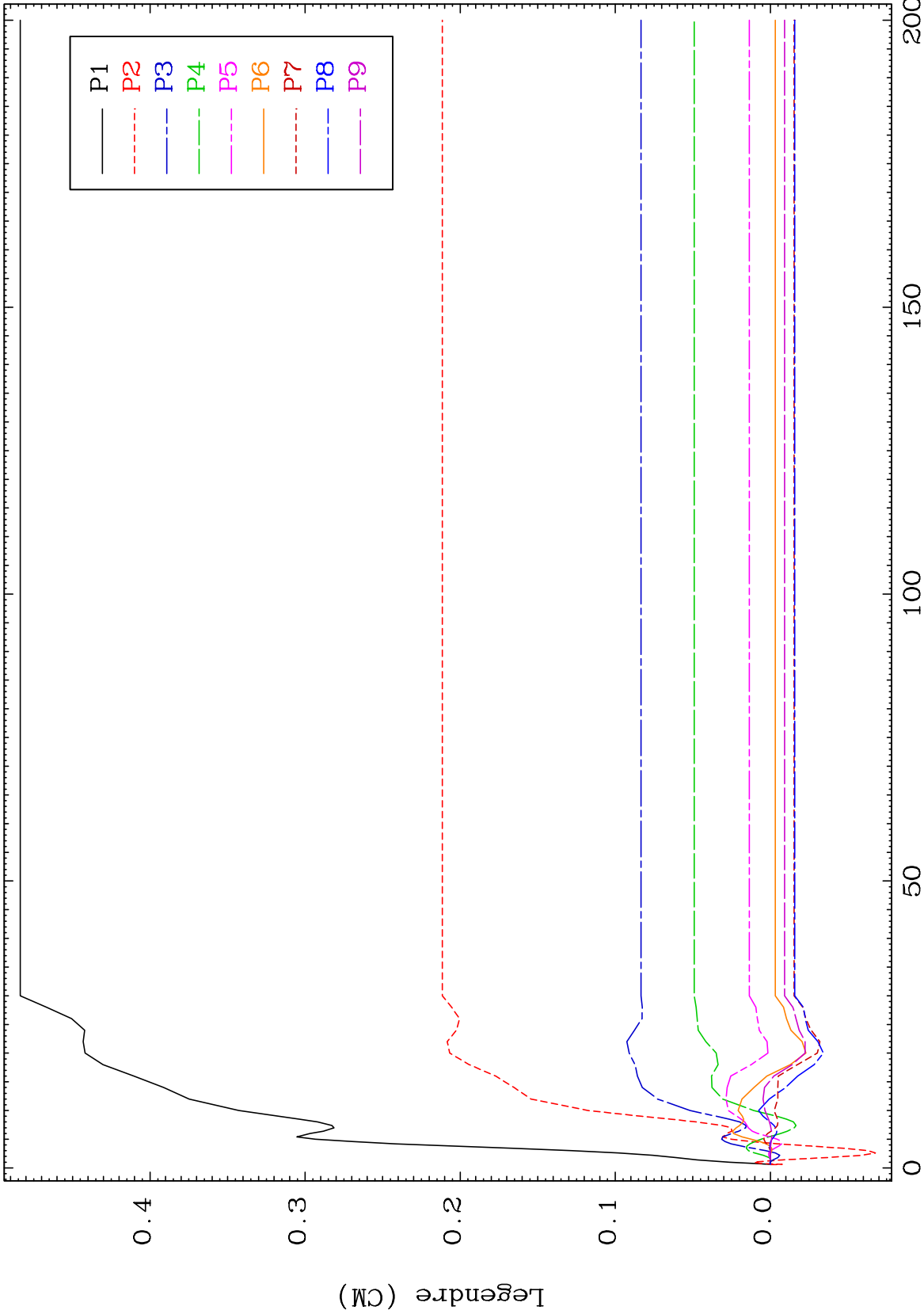
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



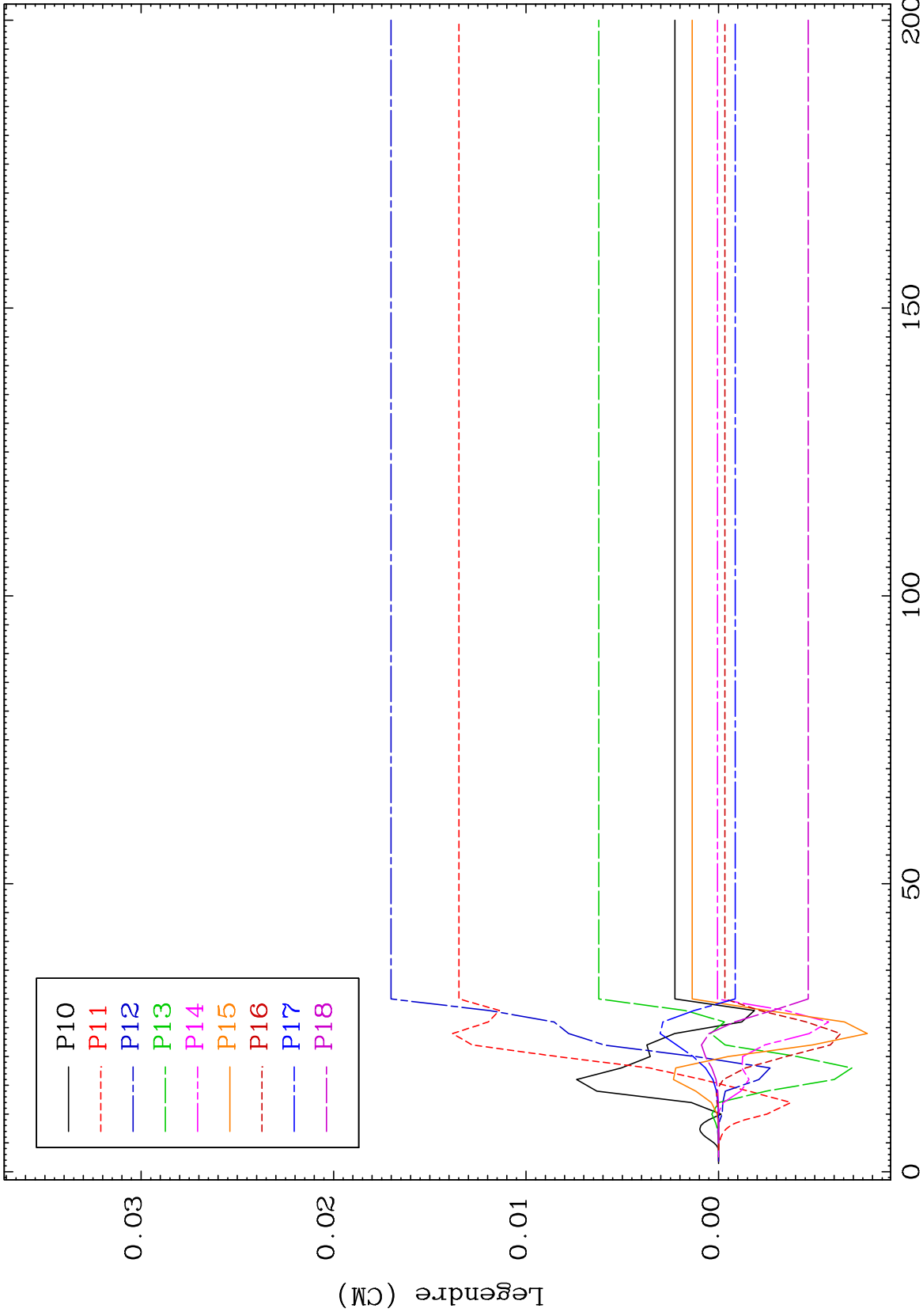
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68-Er-155

MAT 6804

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

68-Er-155



48

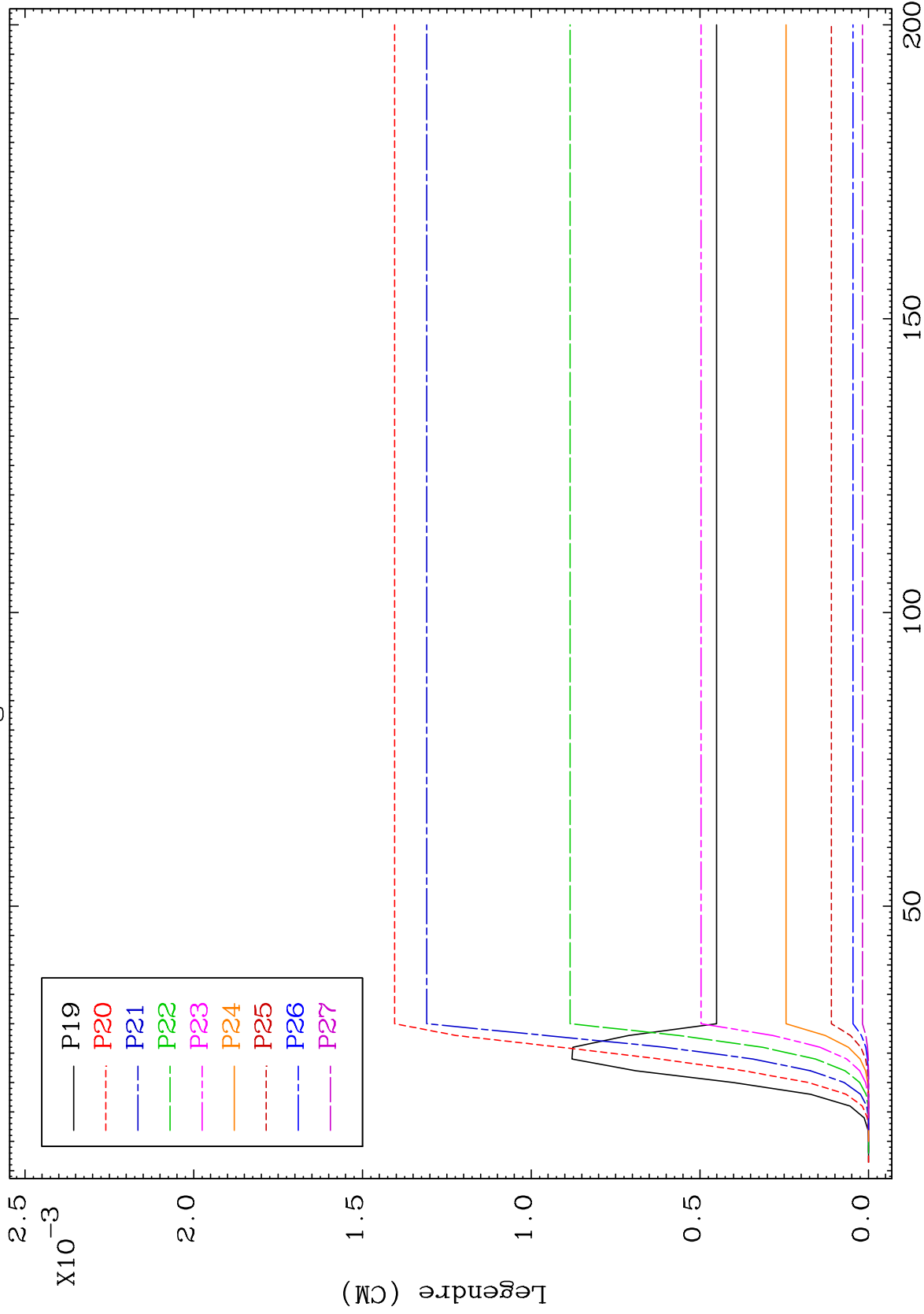
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



49

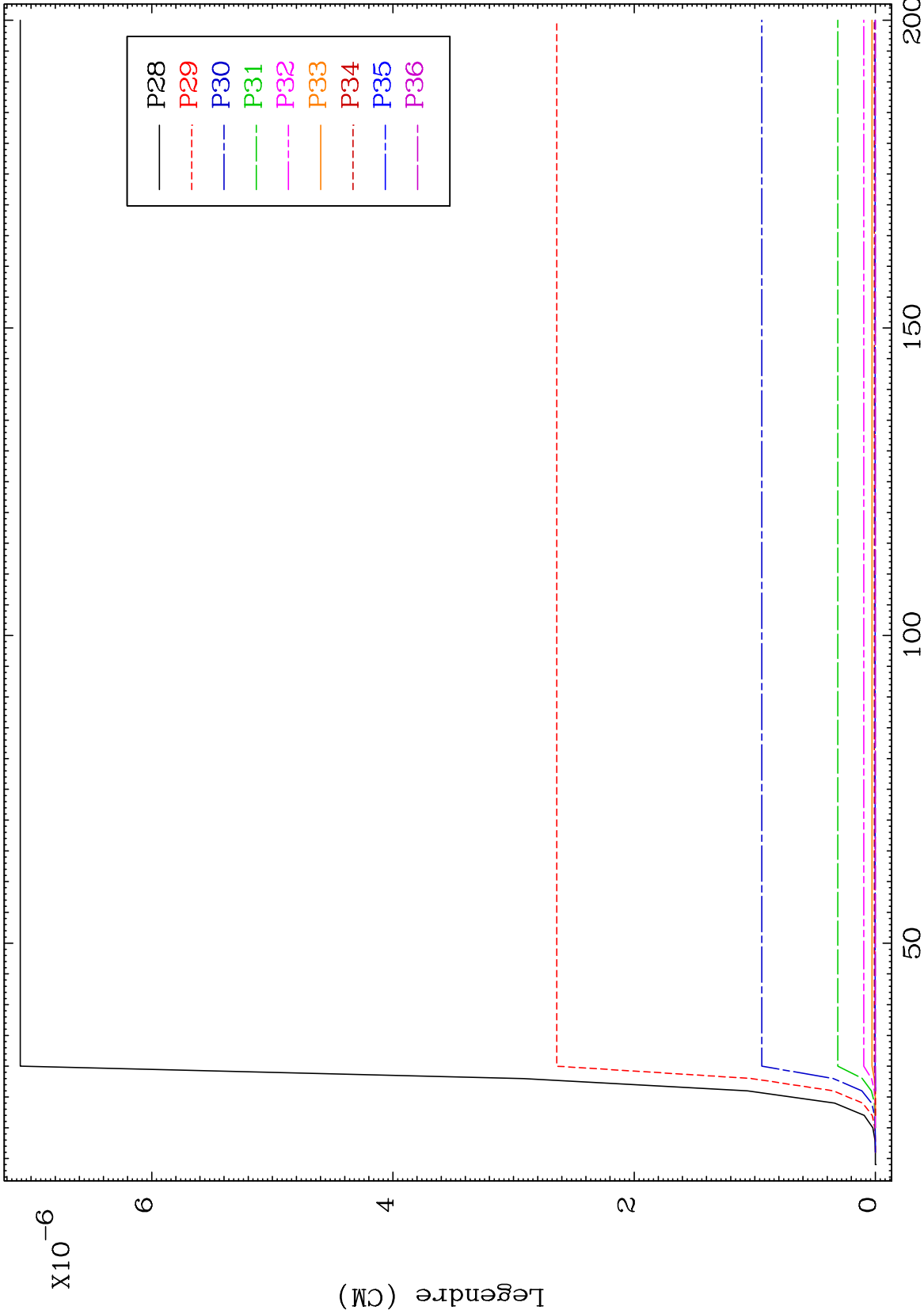
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



50

50

100

150

200

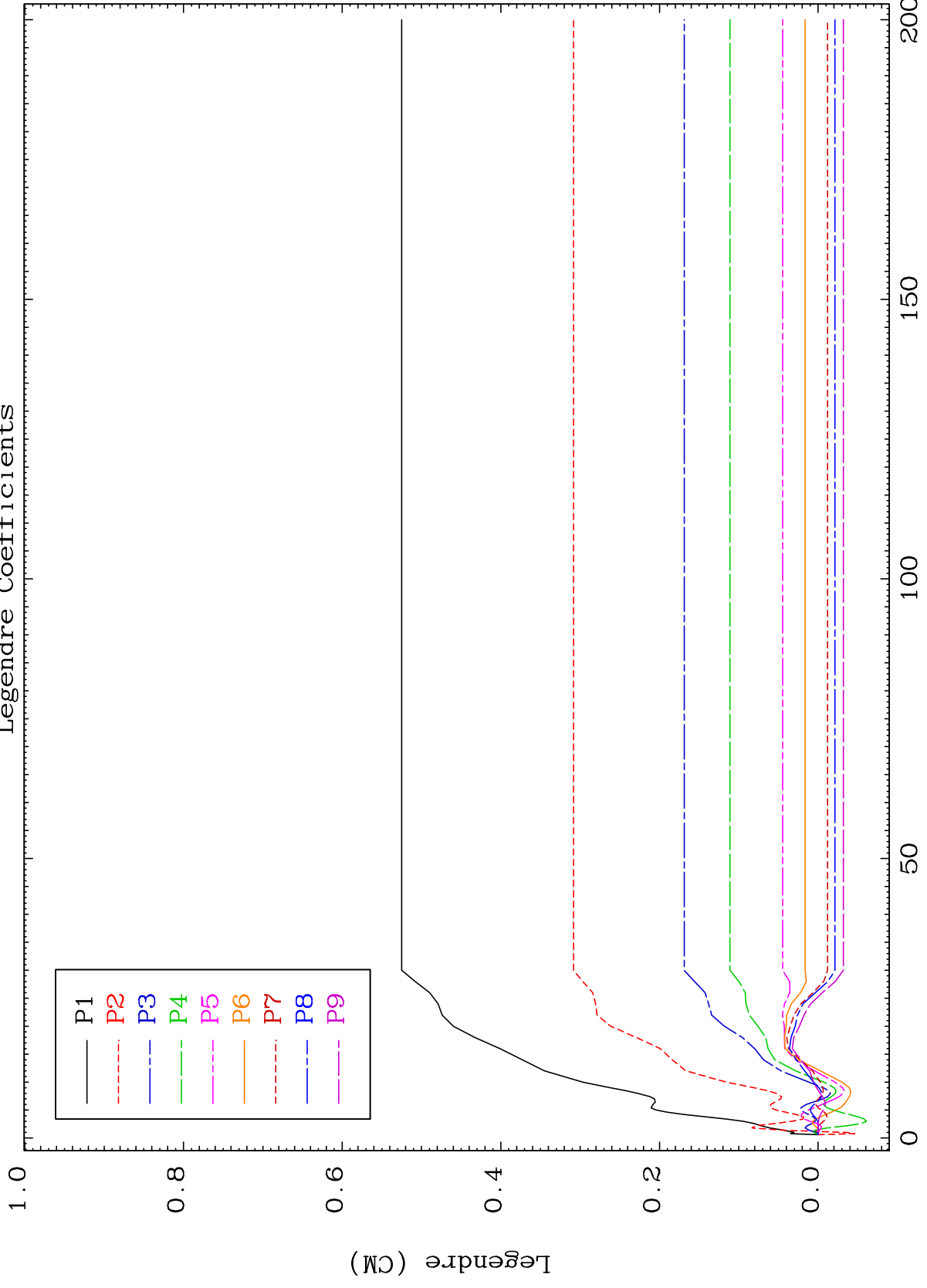
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



68-Er-155

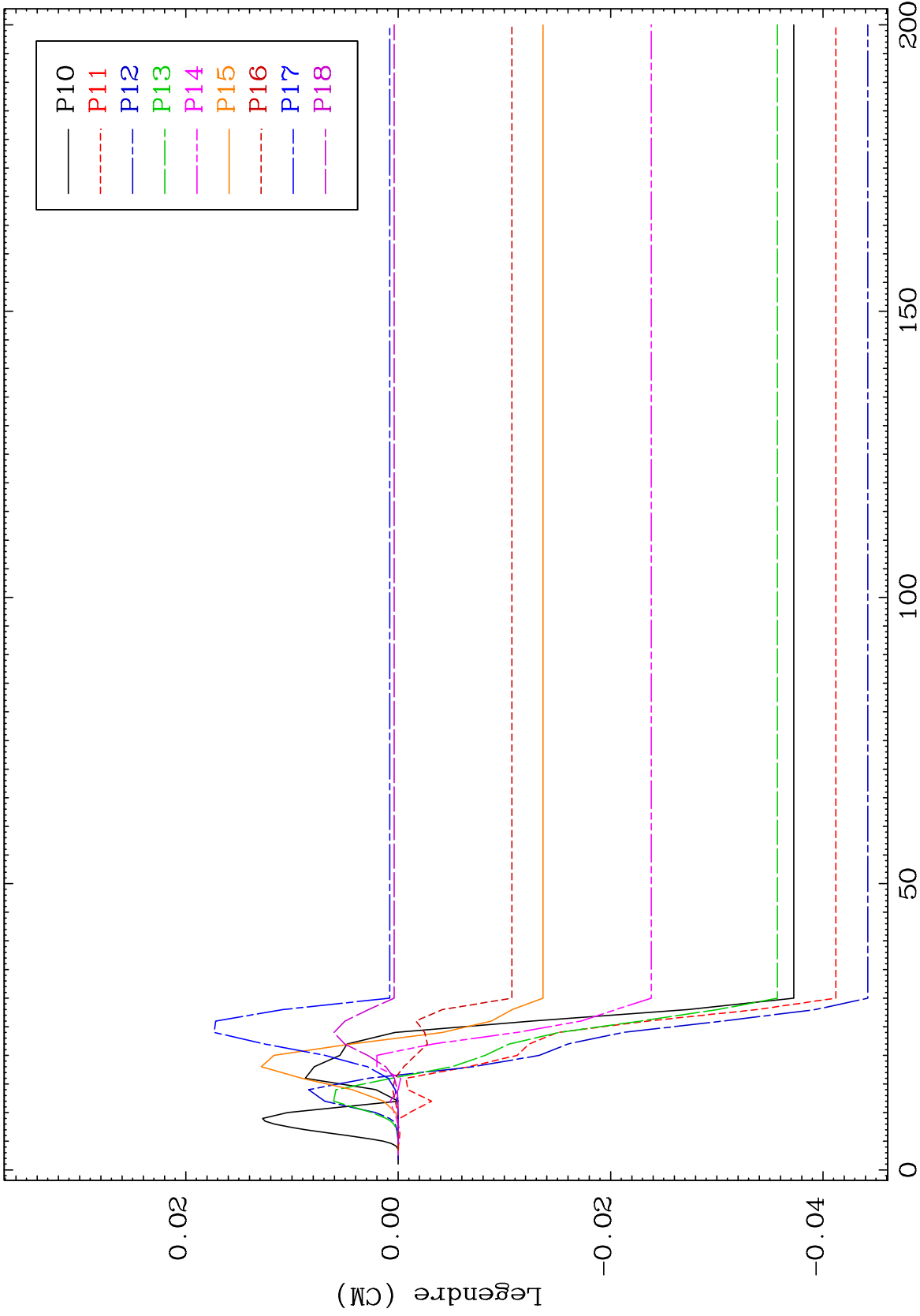
Incident Energy (MeV)

51

MAT 6804

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

68-Er-155



52

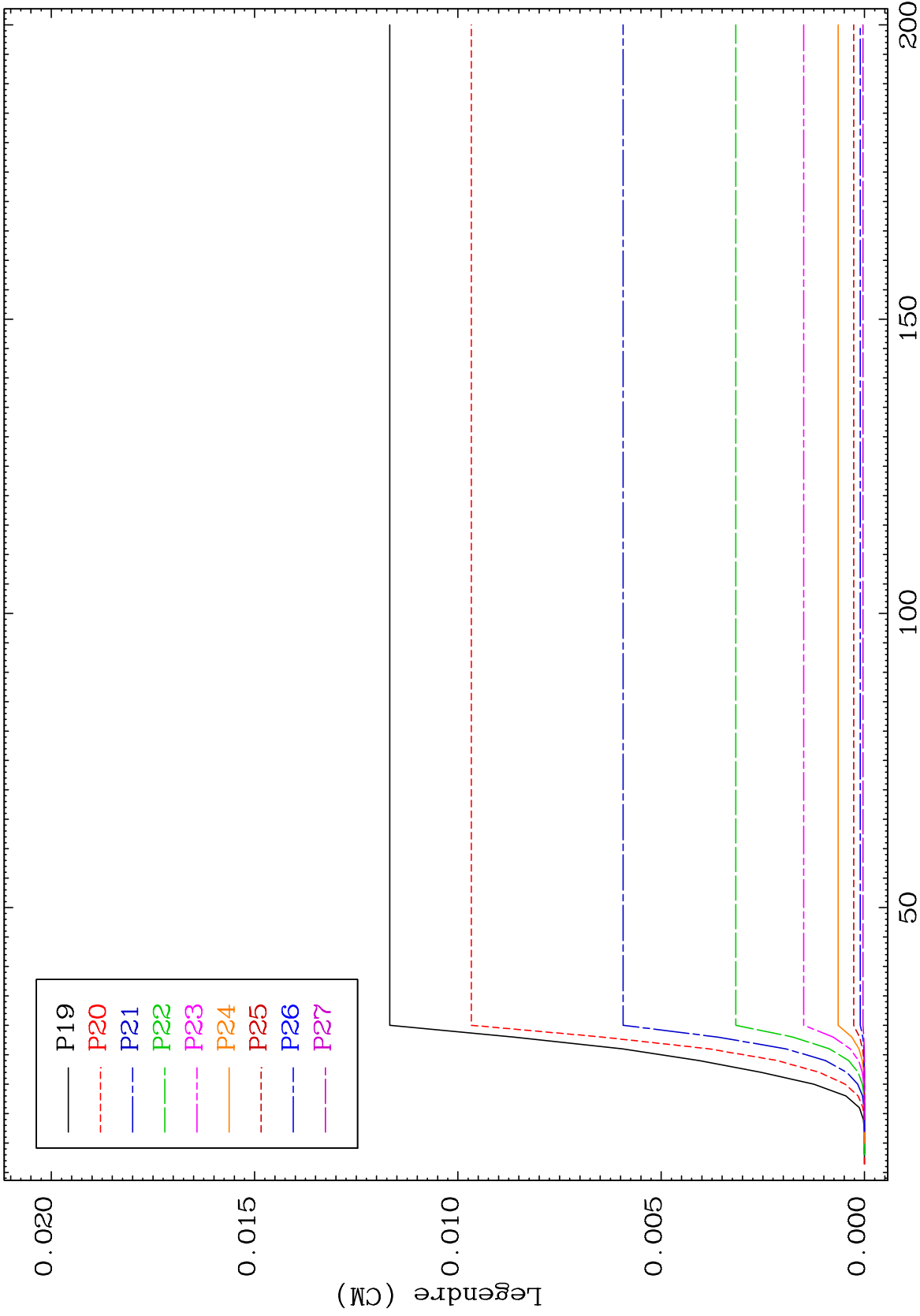
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



53

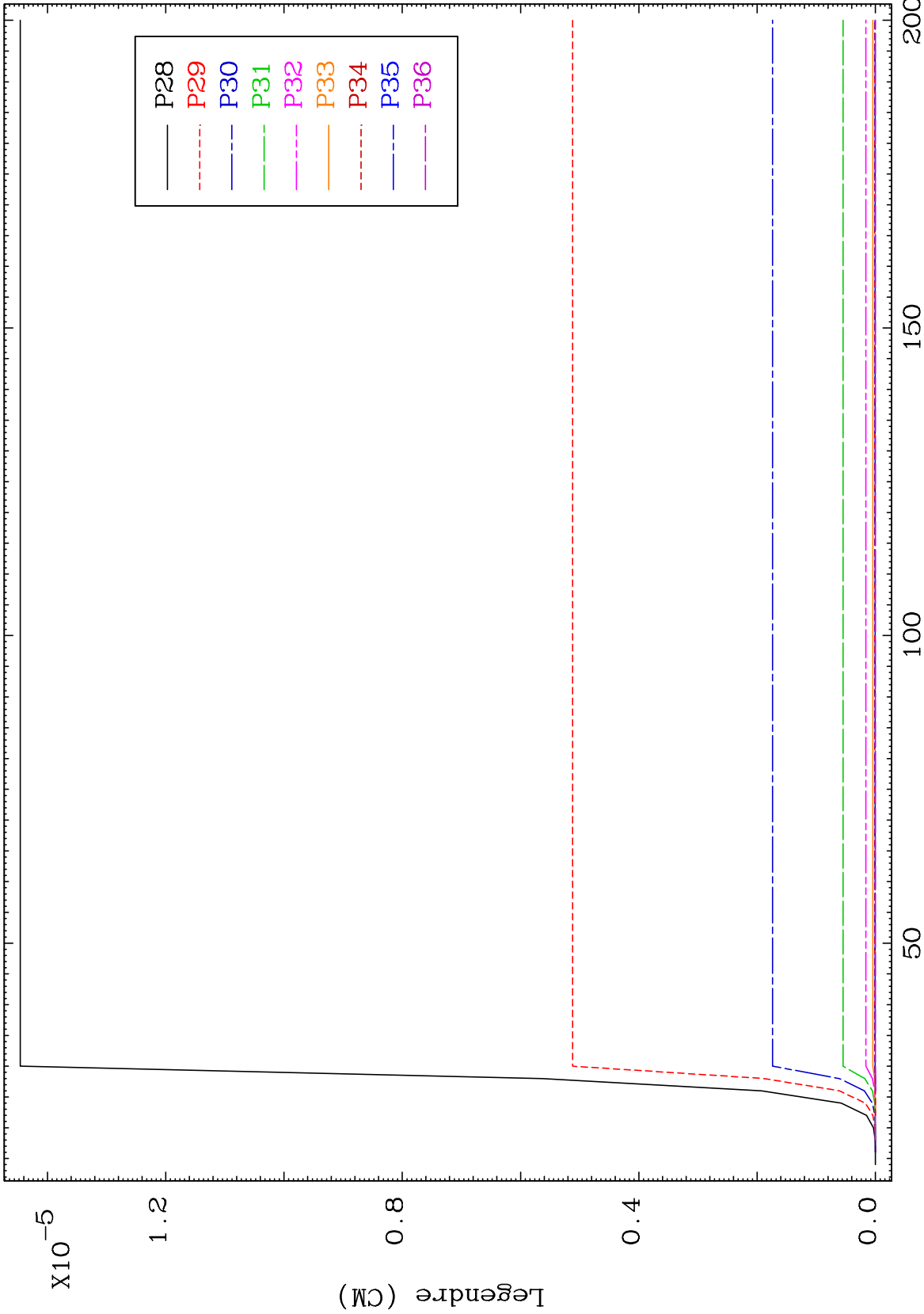
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



54

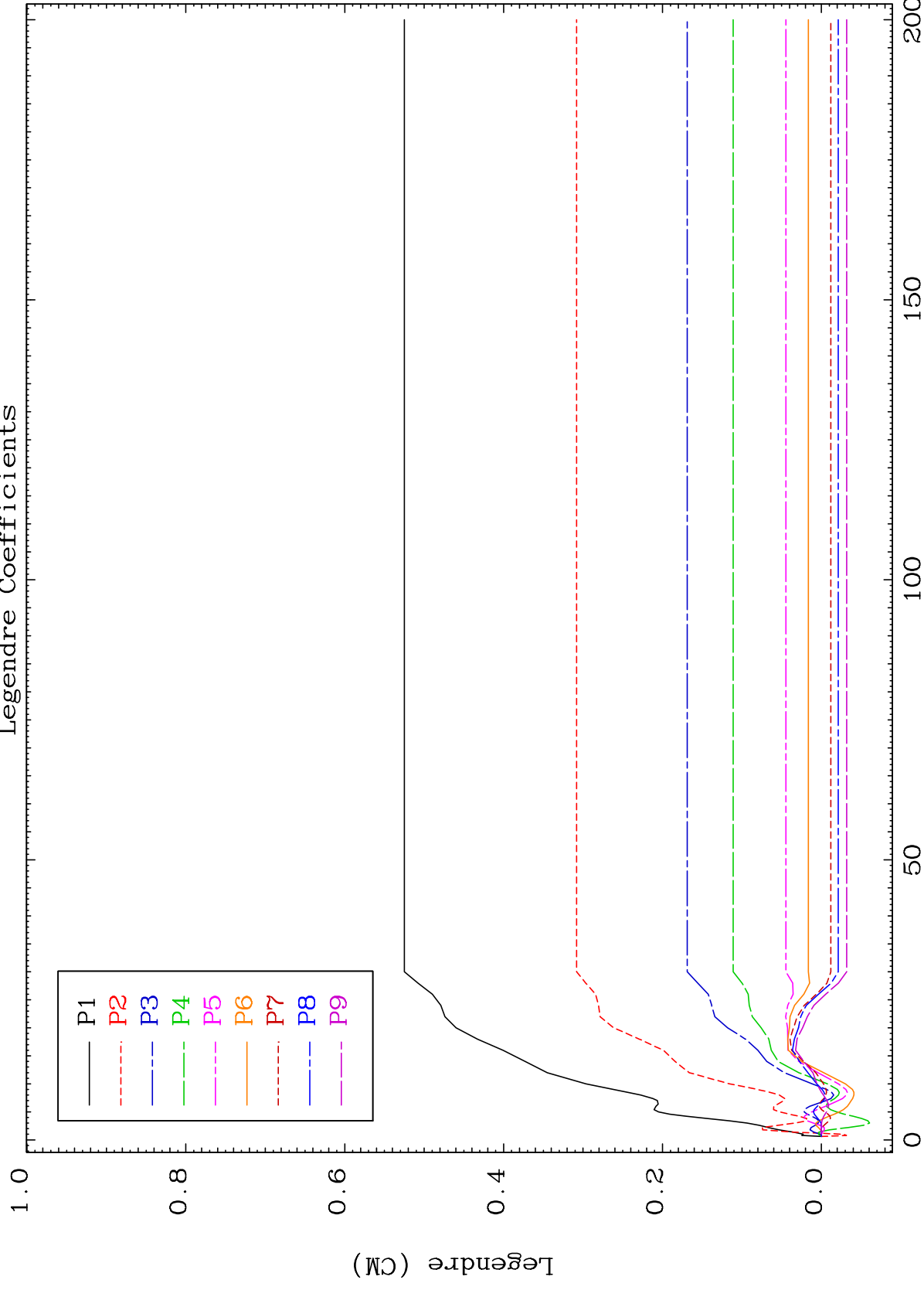
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



68-Er-155

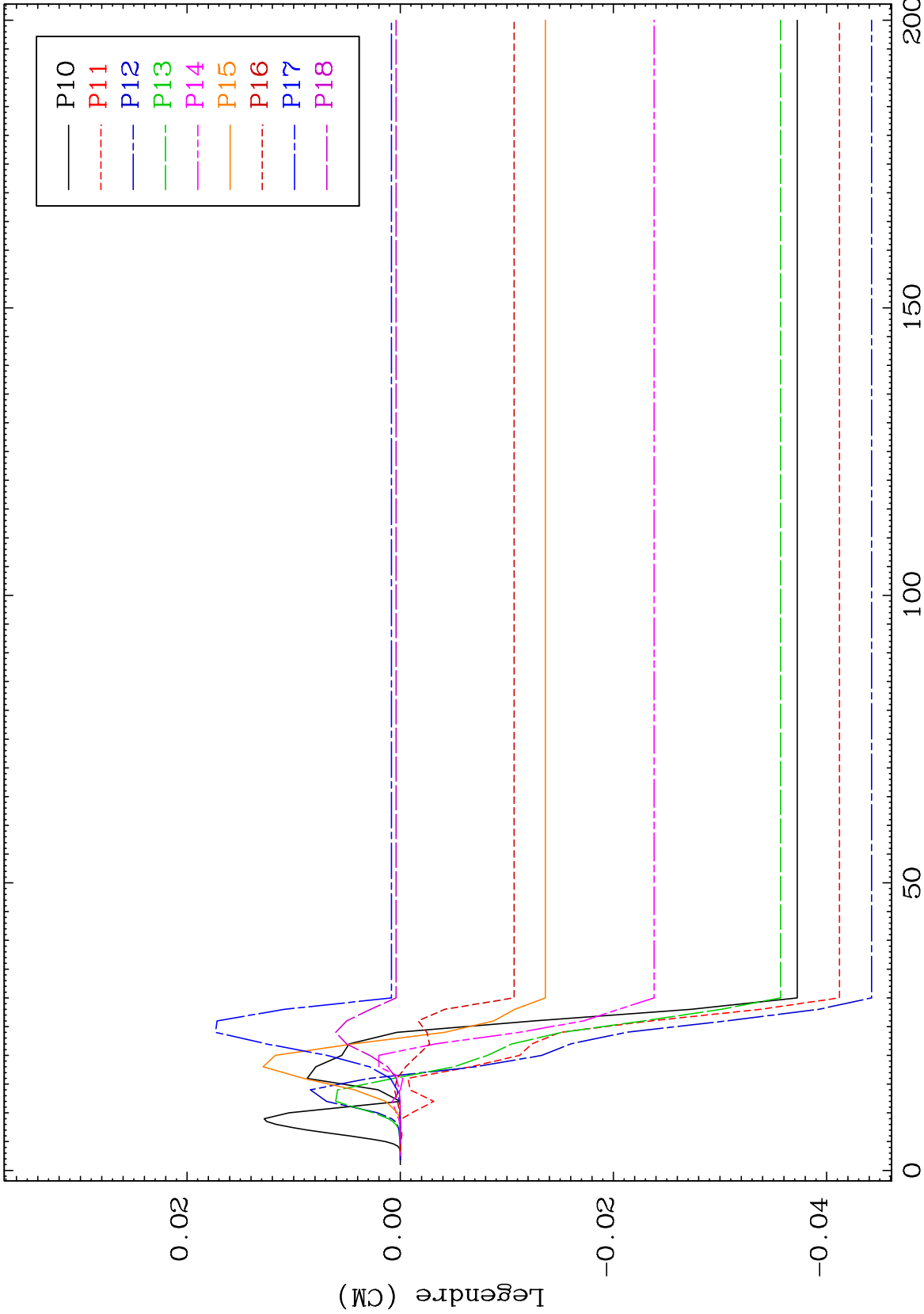
Incident Energy (MeV)

55

MAT 6804

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

68-Er-155



56

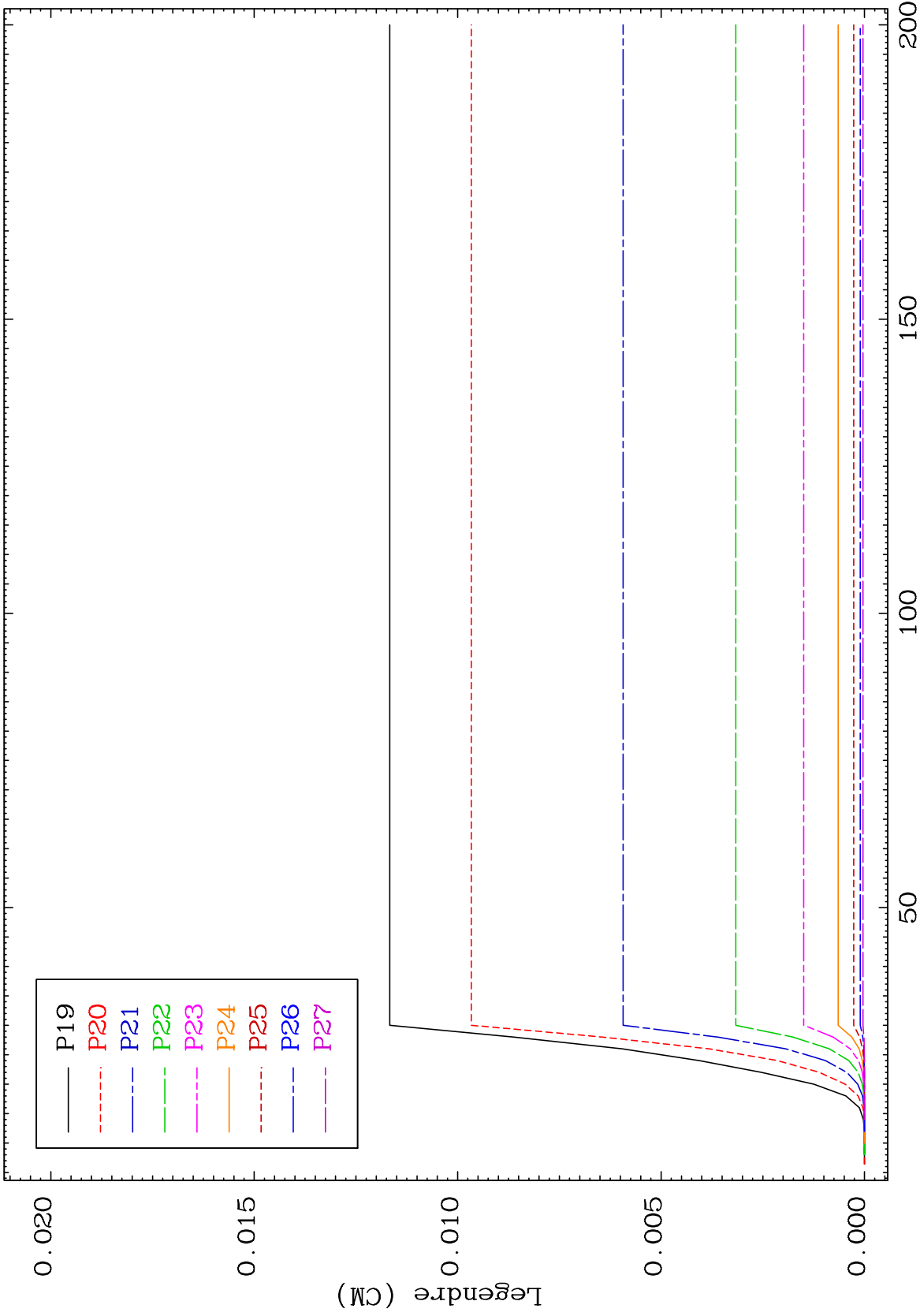
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



57

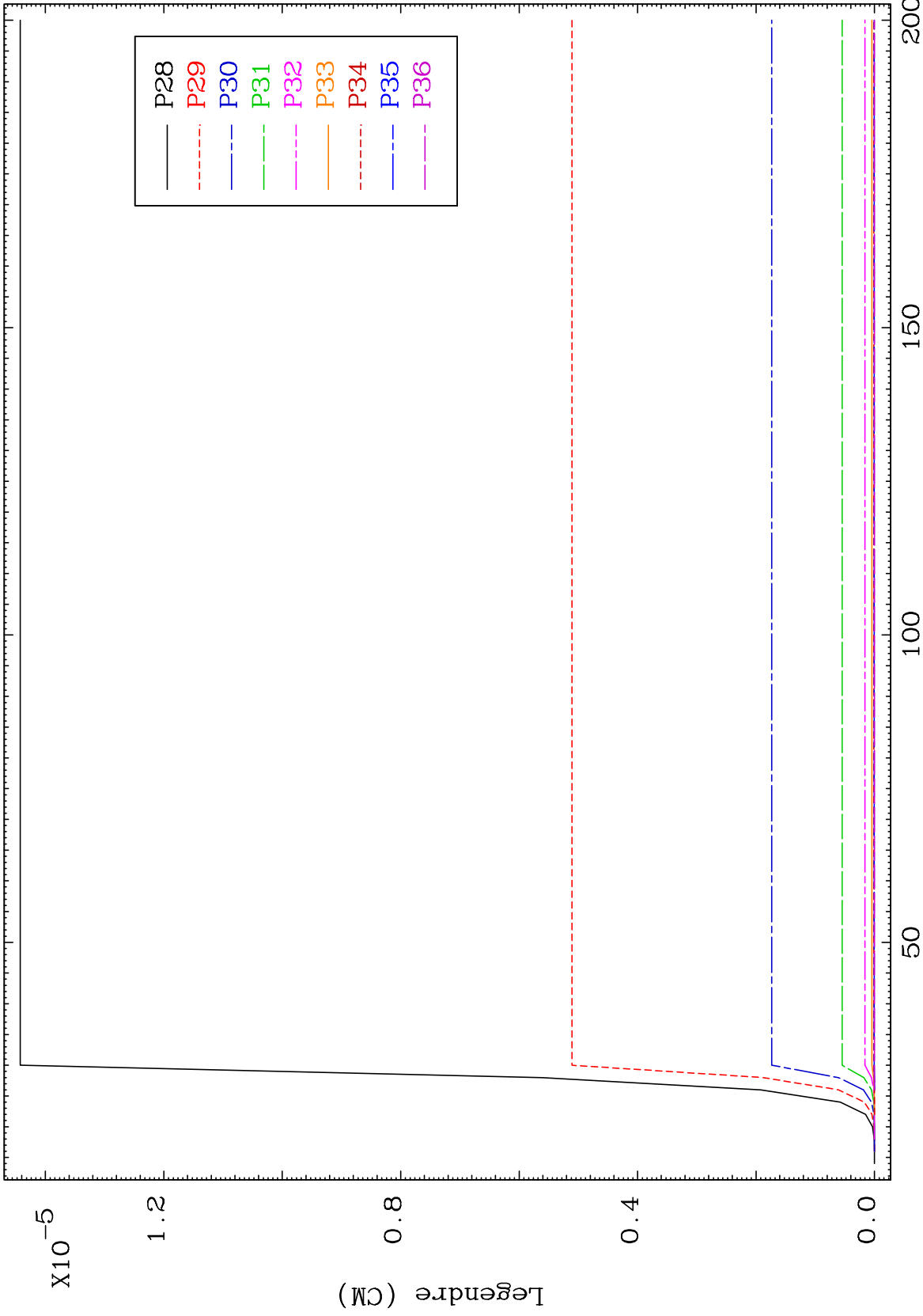
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



58

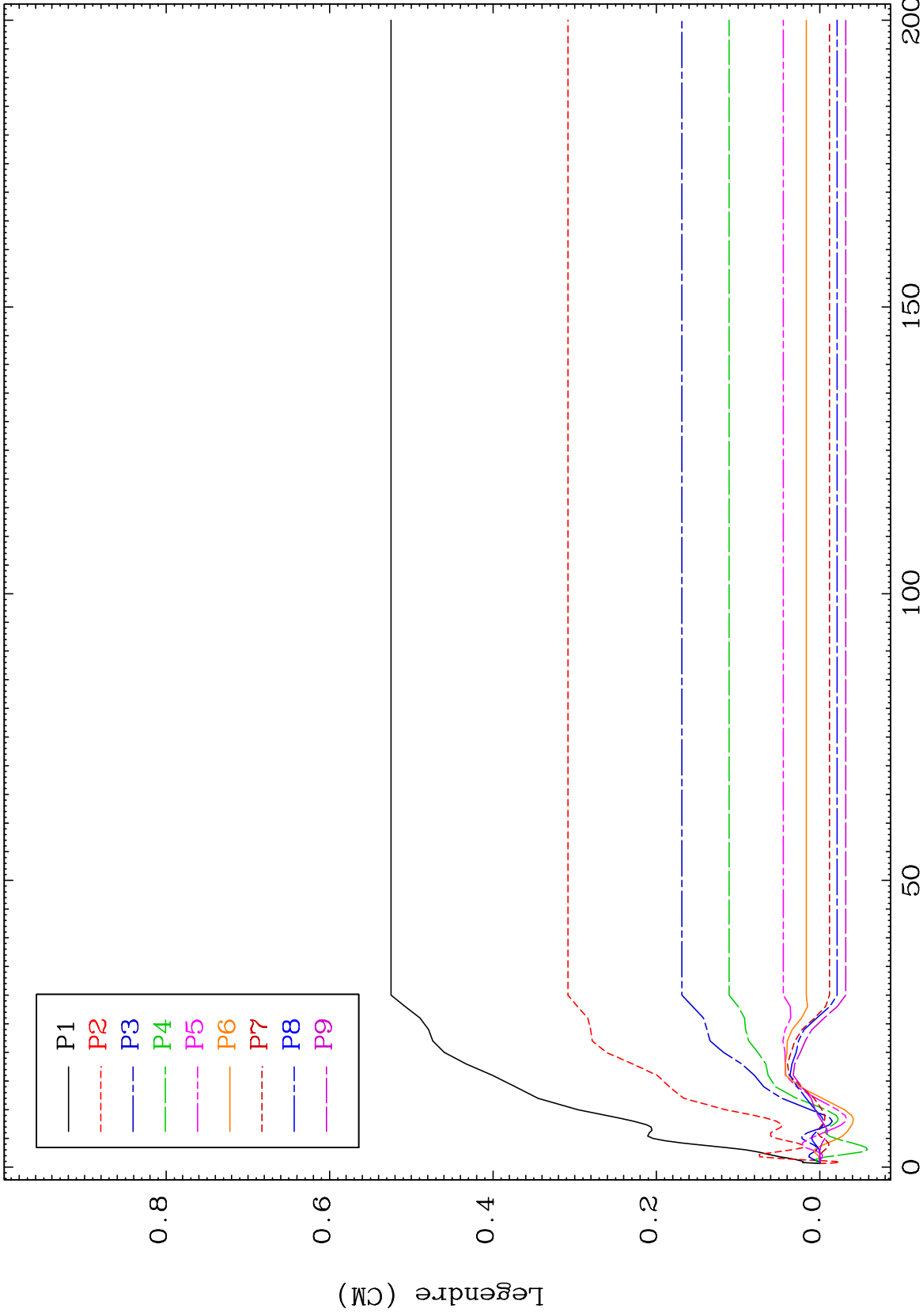
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



59

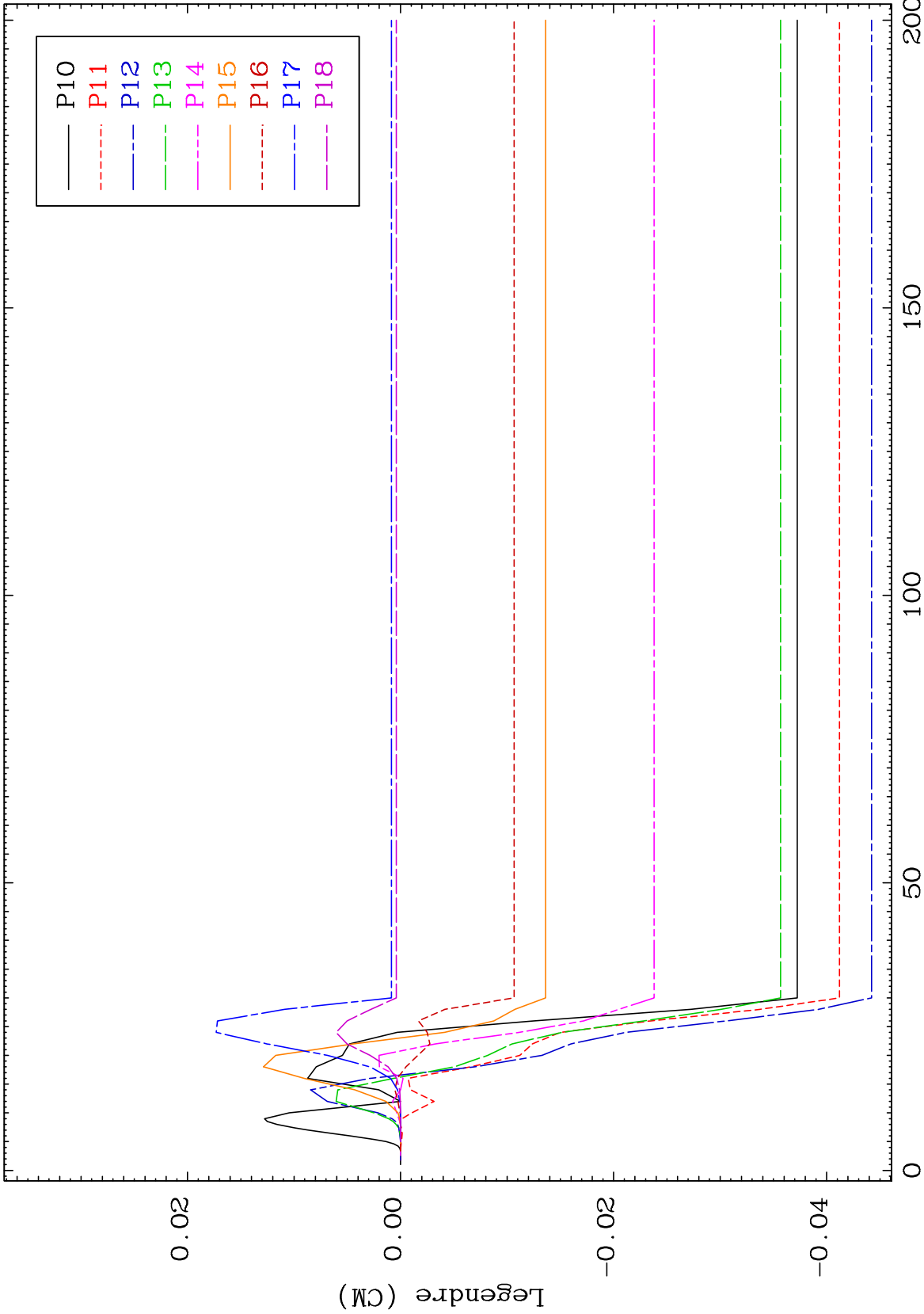
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



60

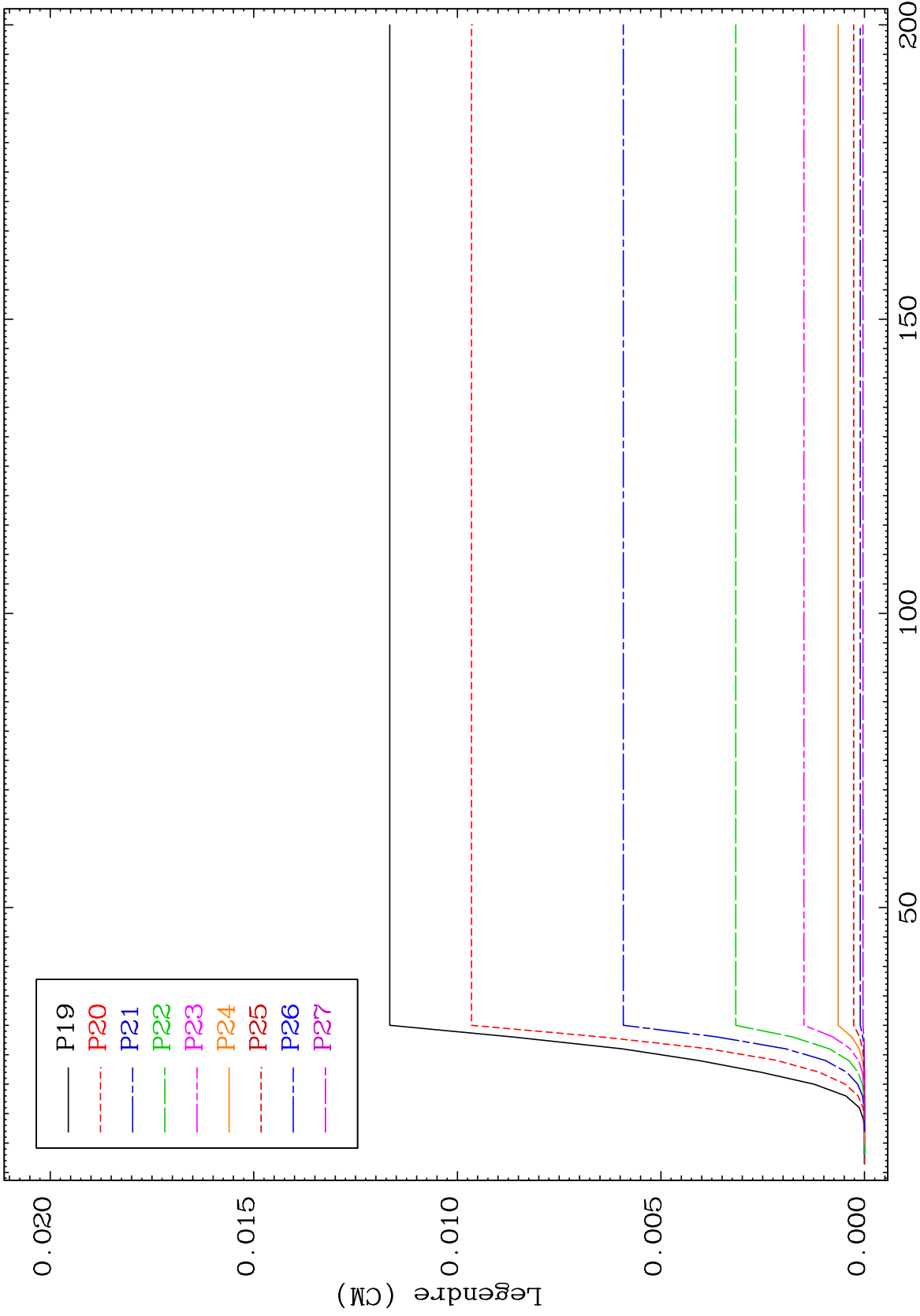
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



61

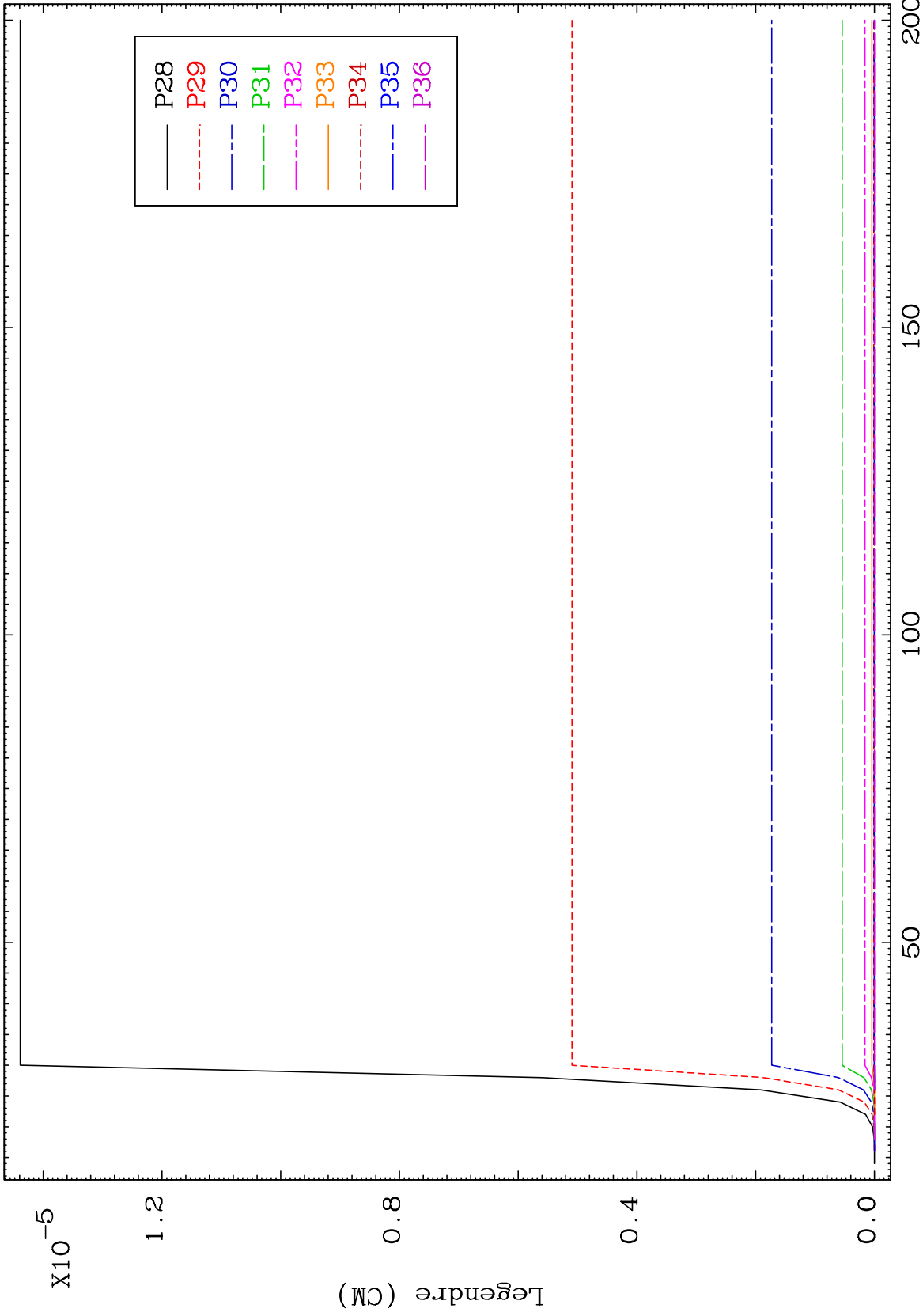
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155

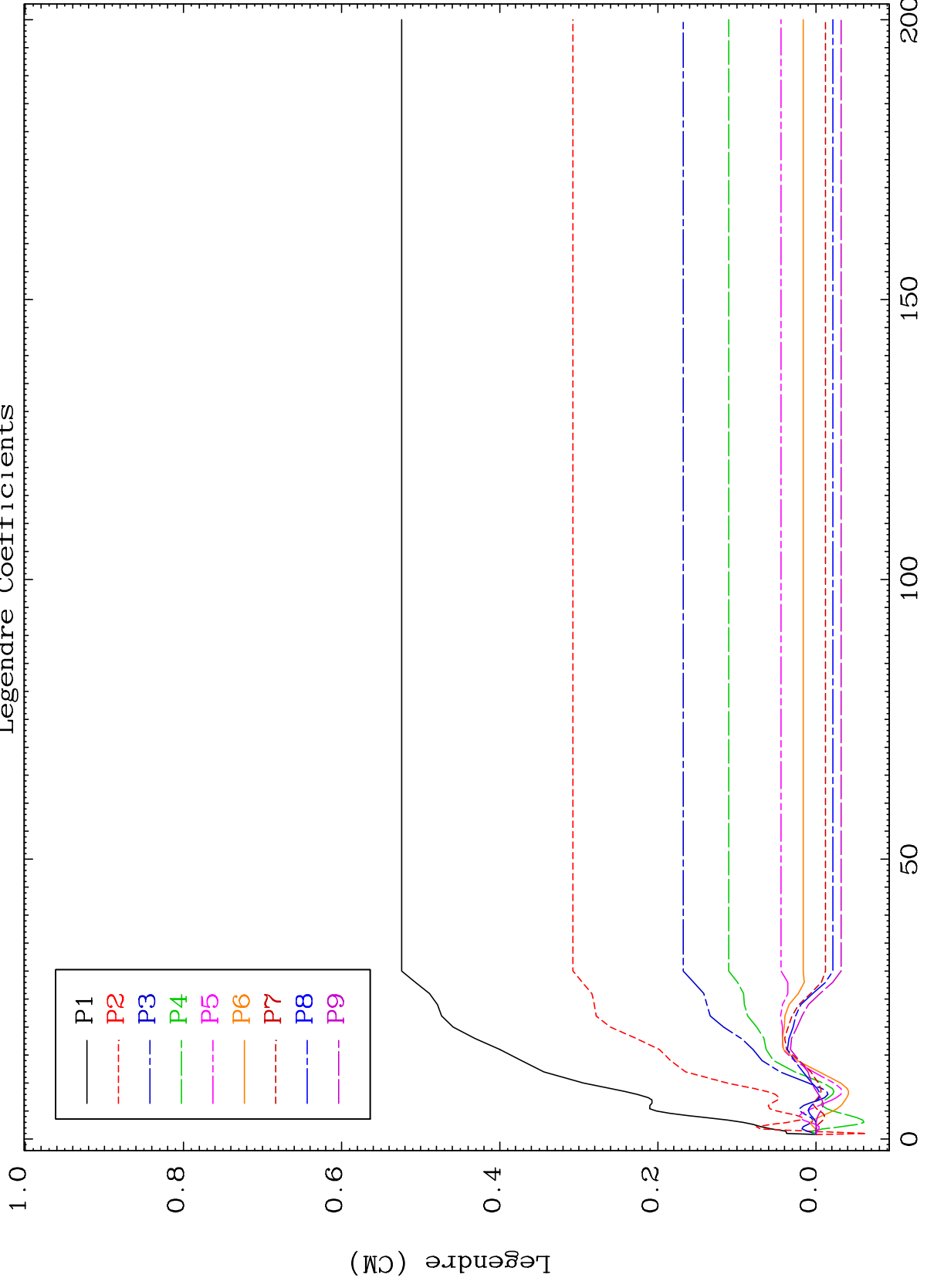


62

68-Er-155

68-Er-155

MAT 6804 MT= 62 (n,n') Level Legendre Coefficients 68-Er-155

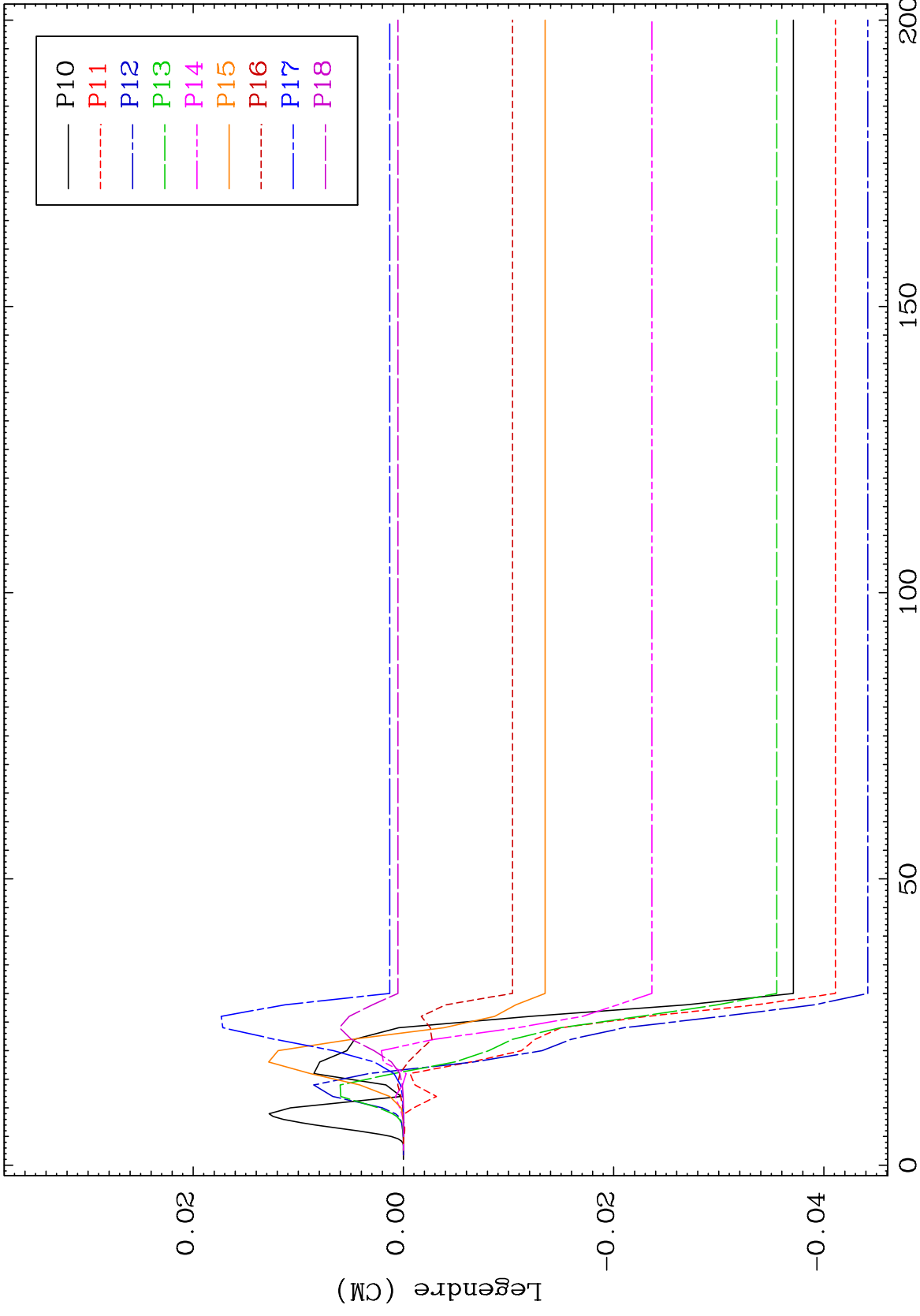


63 68-Er-155

MAT 6804

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

68-Er-155



64

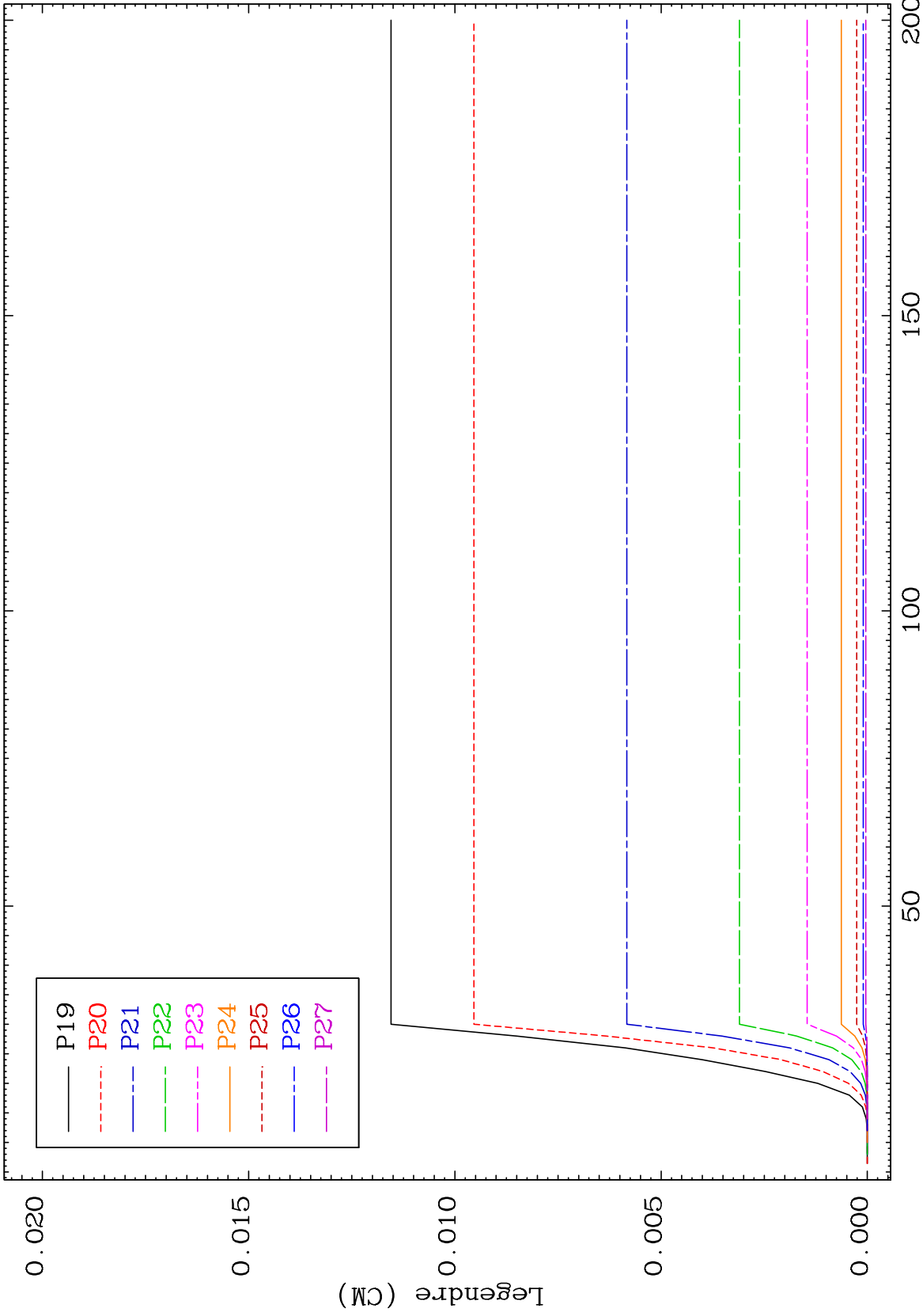
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



65

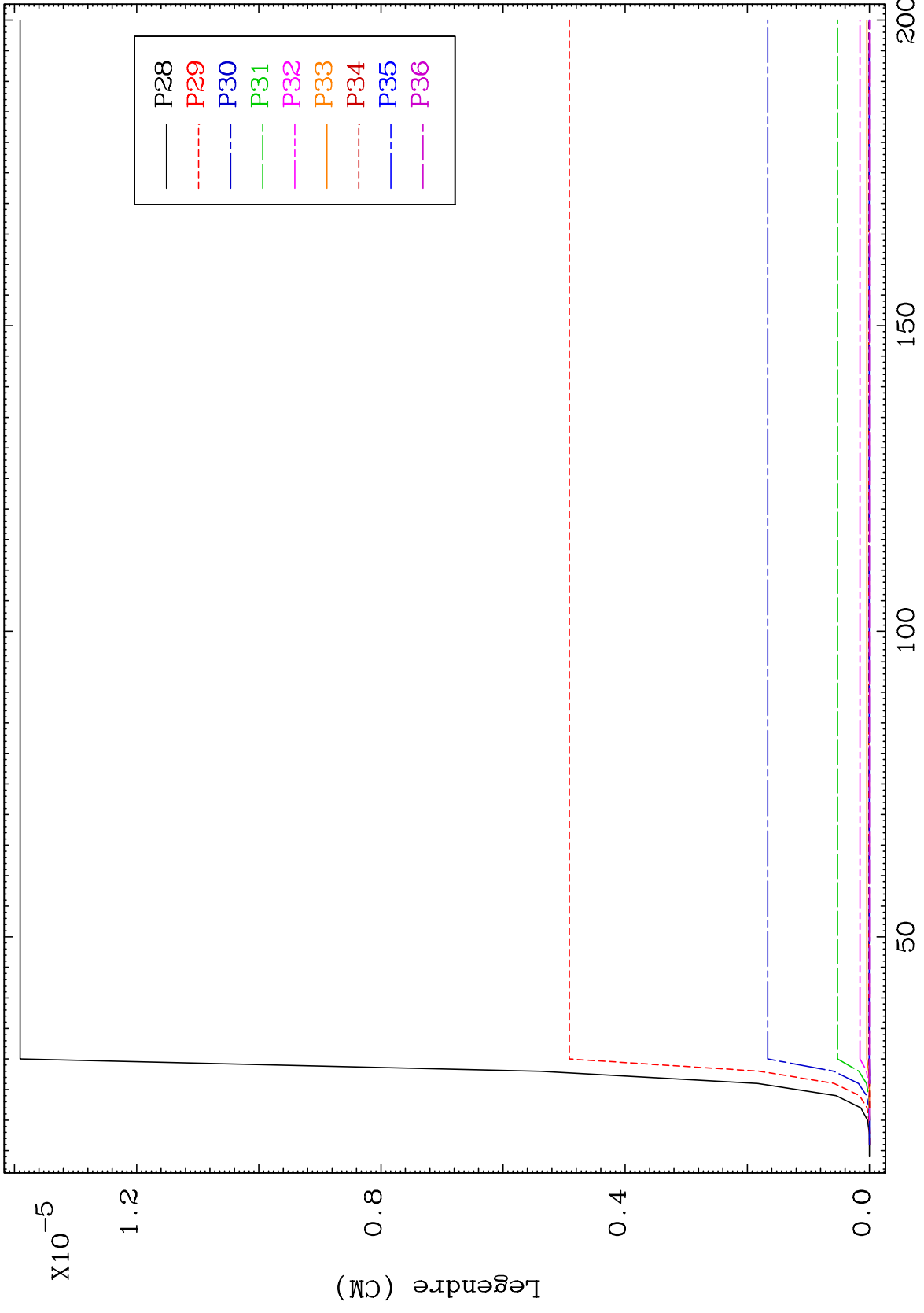
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



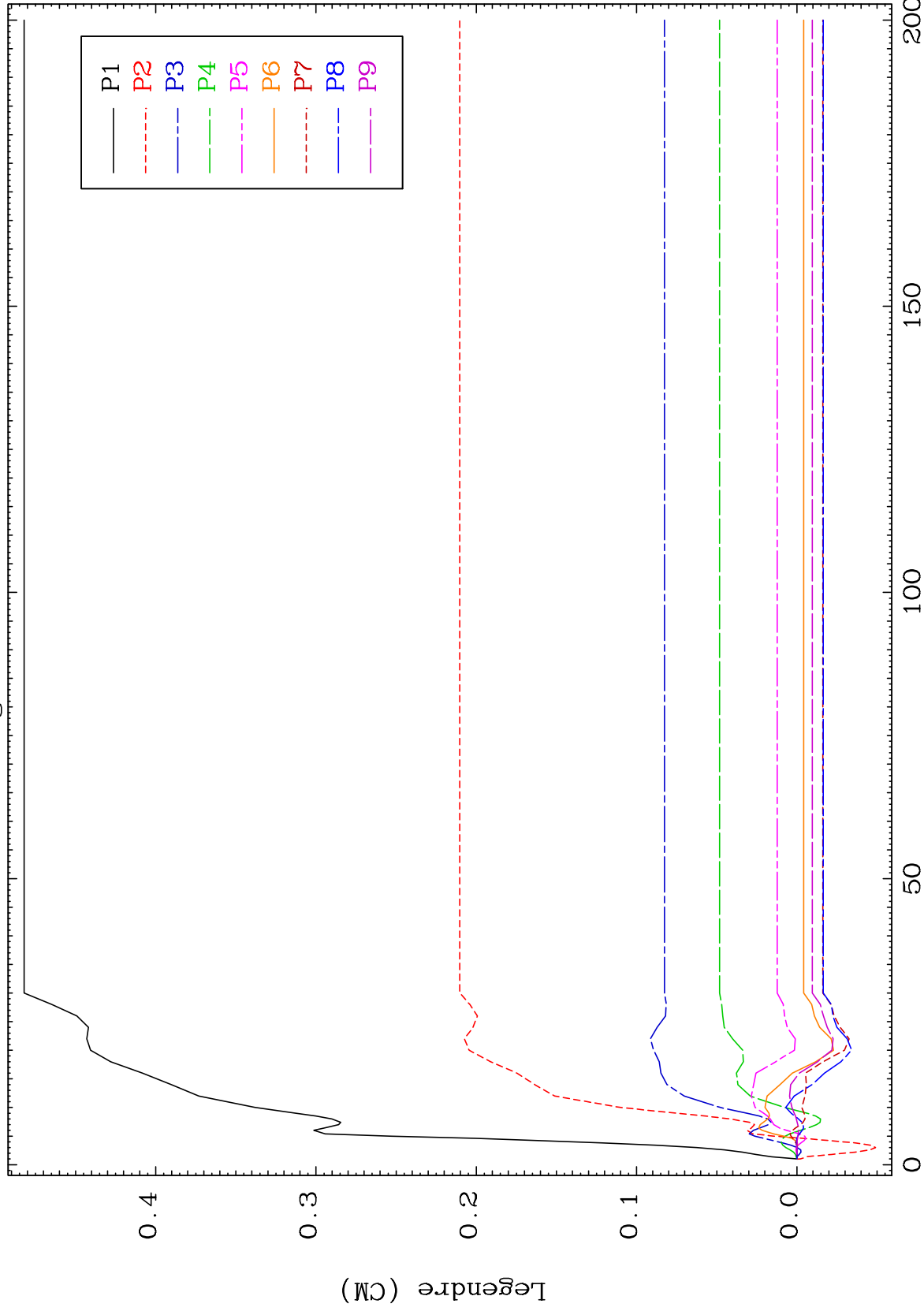
66

68-Er-155

MAT 6804

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

68-Er-155



67

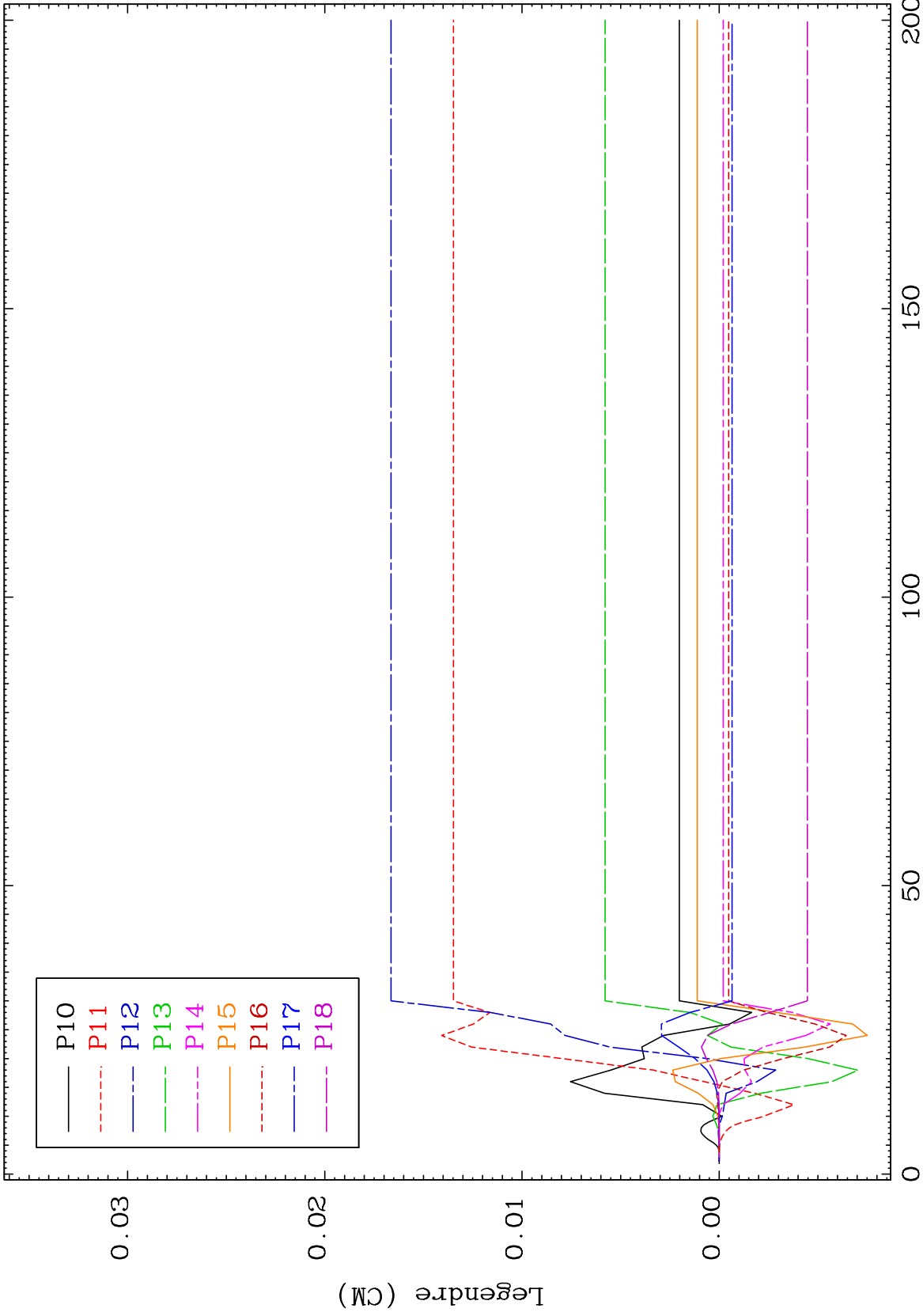
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



68

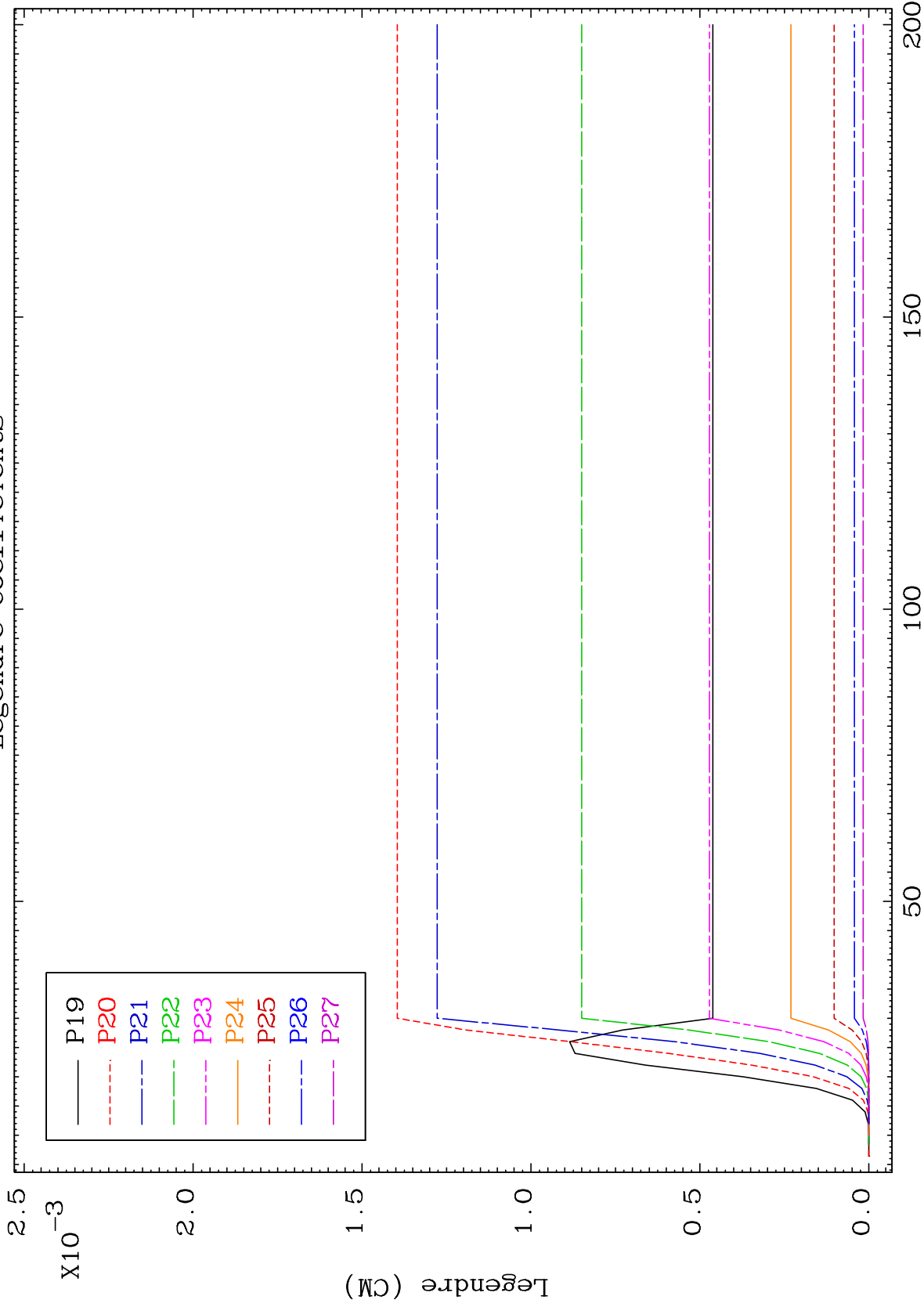
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



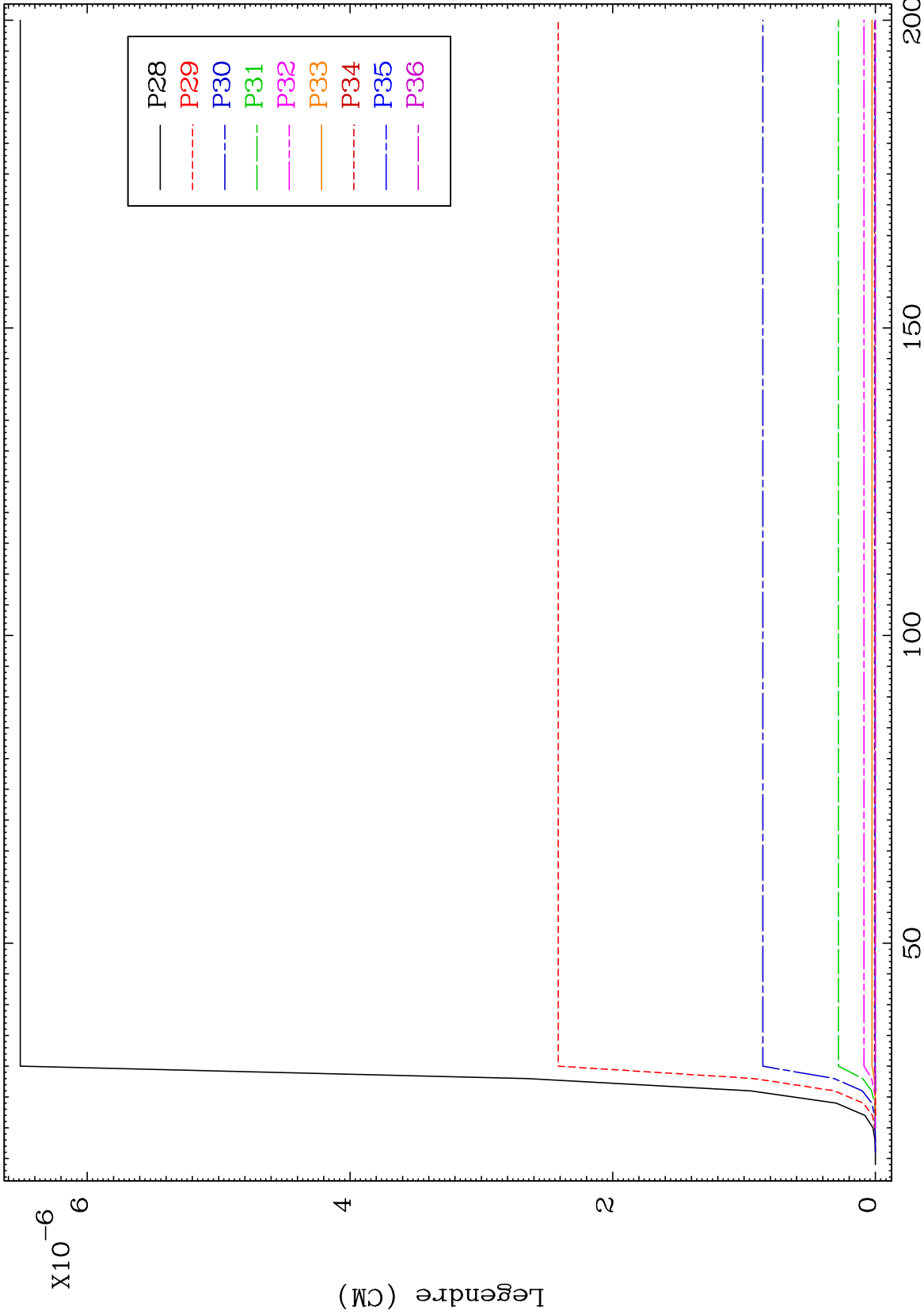
69

68-Er-155

MAT 6804

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

68-Er-155



70

50

100

150

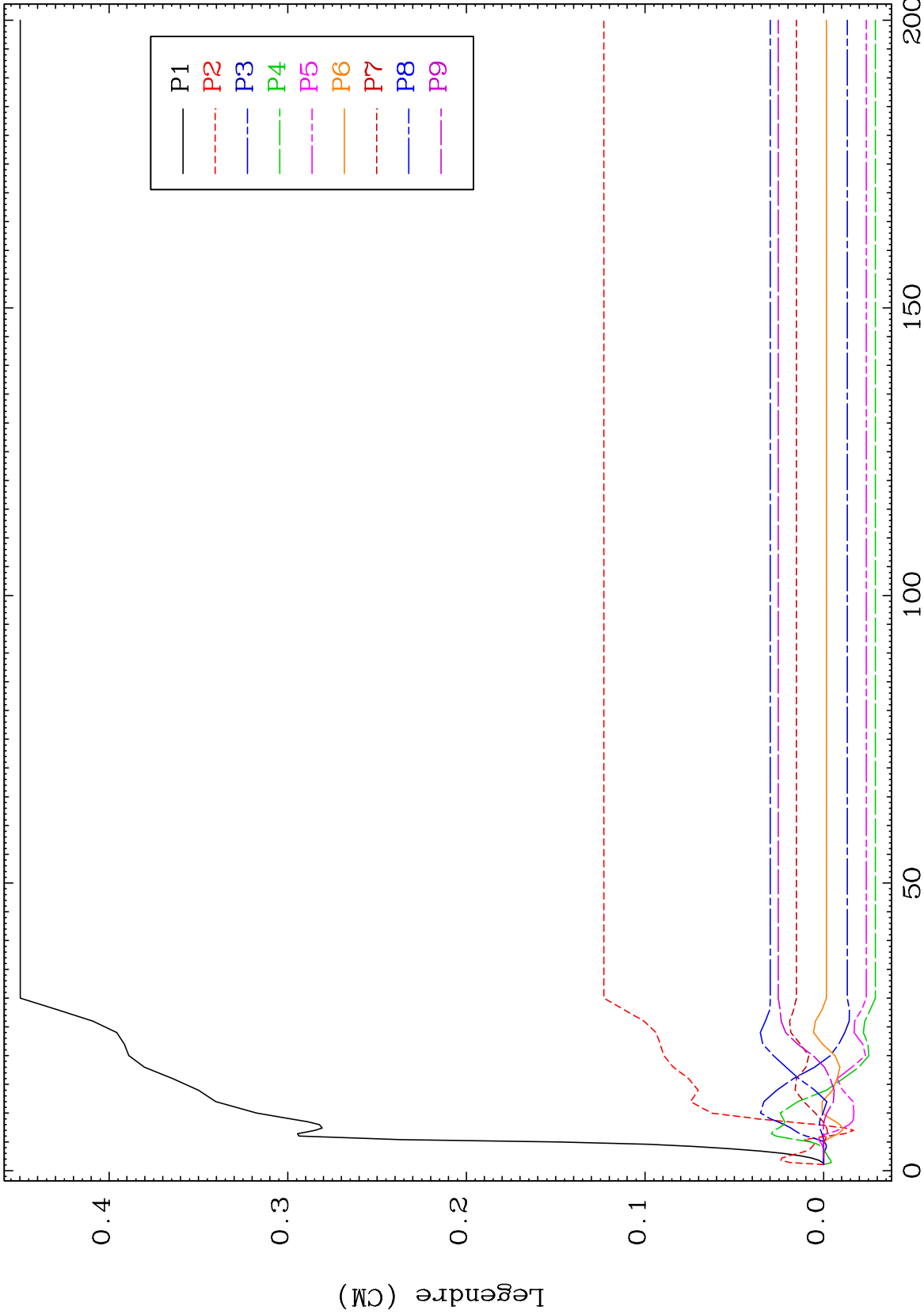
200

68-Er-155

MAT 6804

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

68-Er-155



71

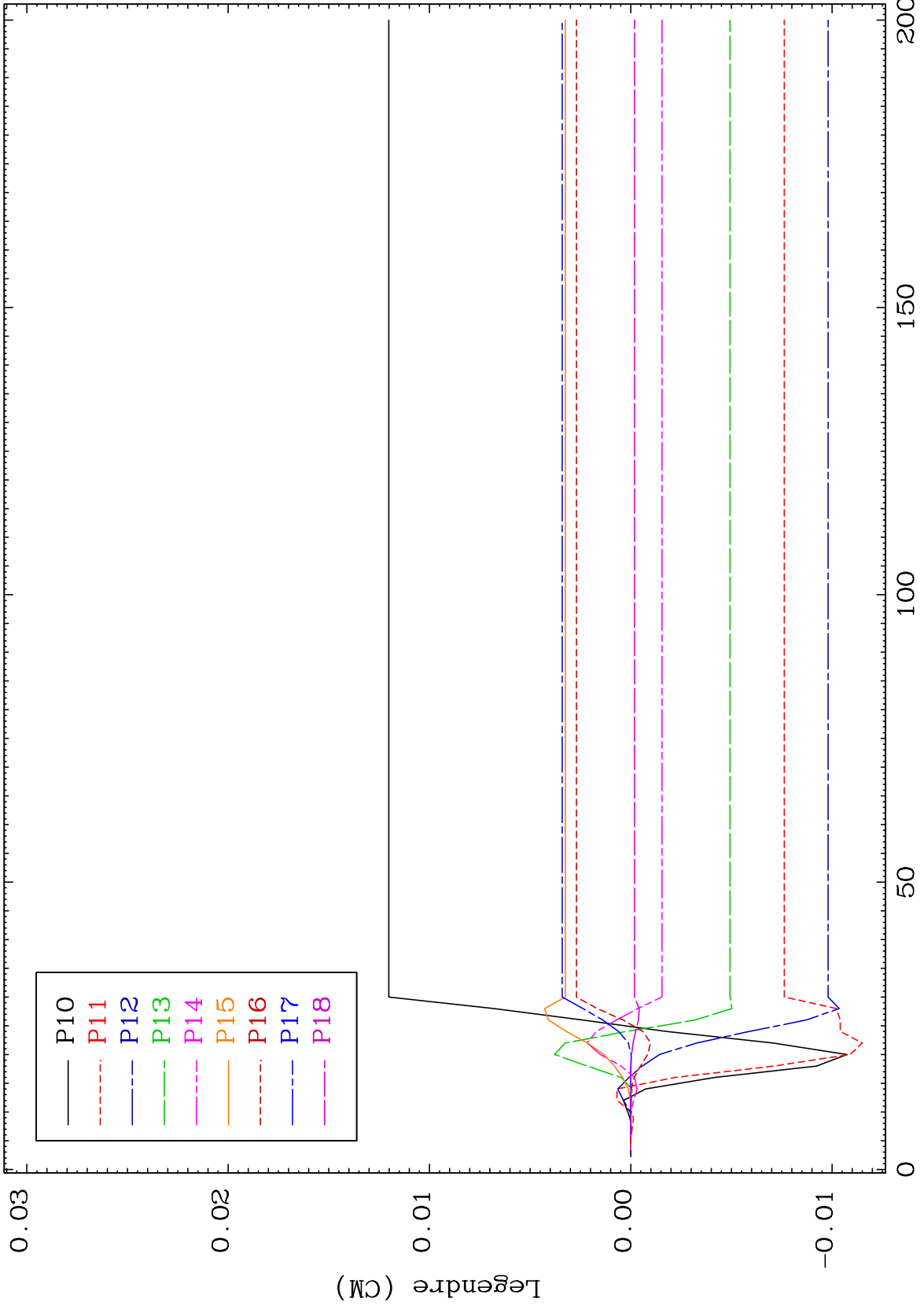
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



72

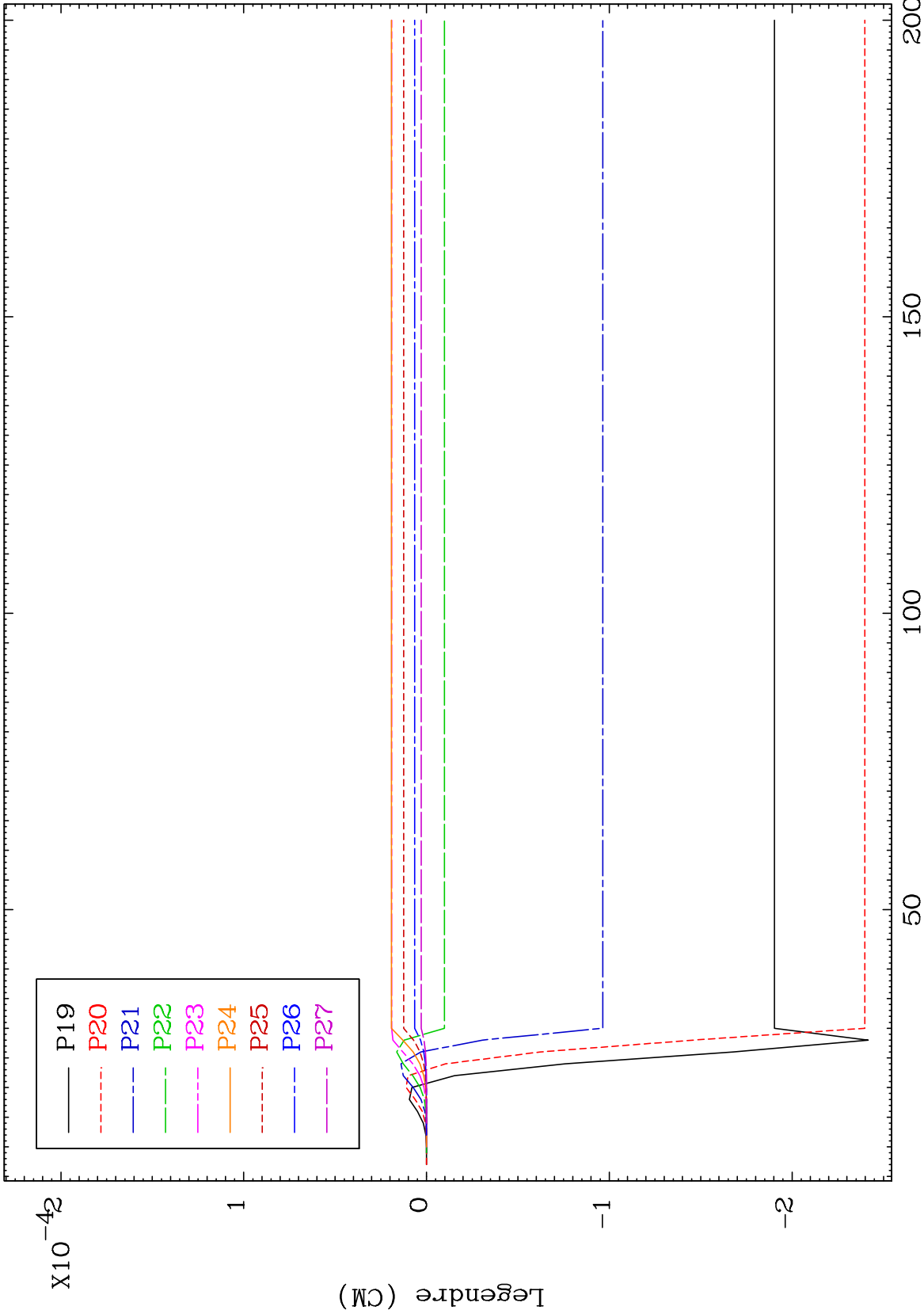
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



73

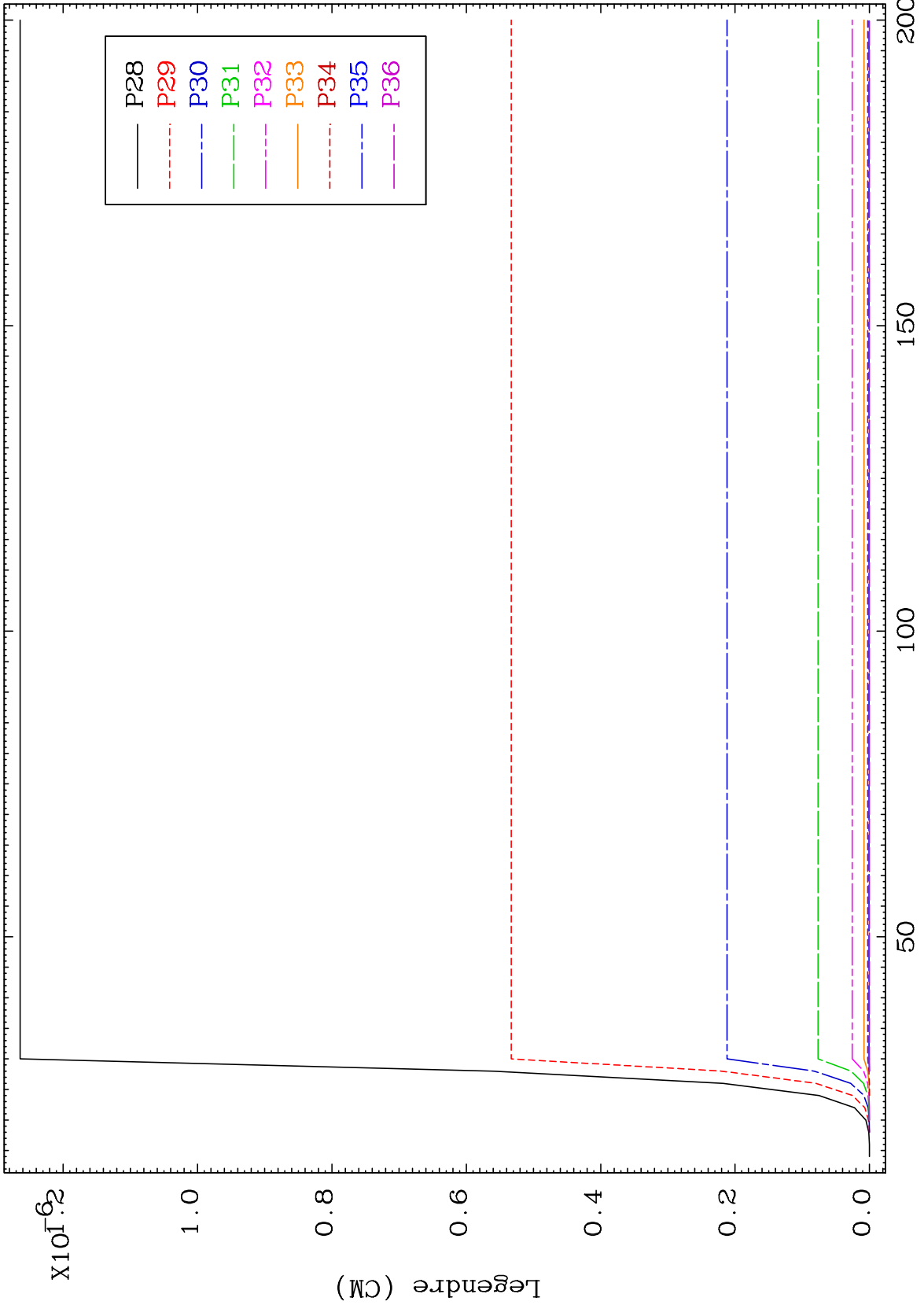
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155

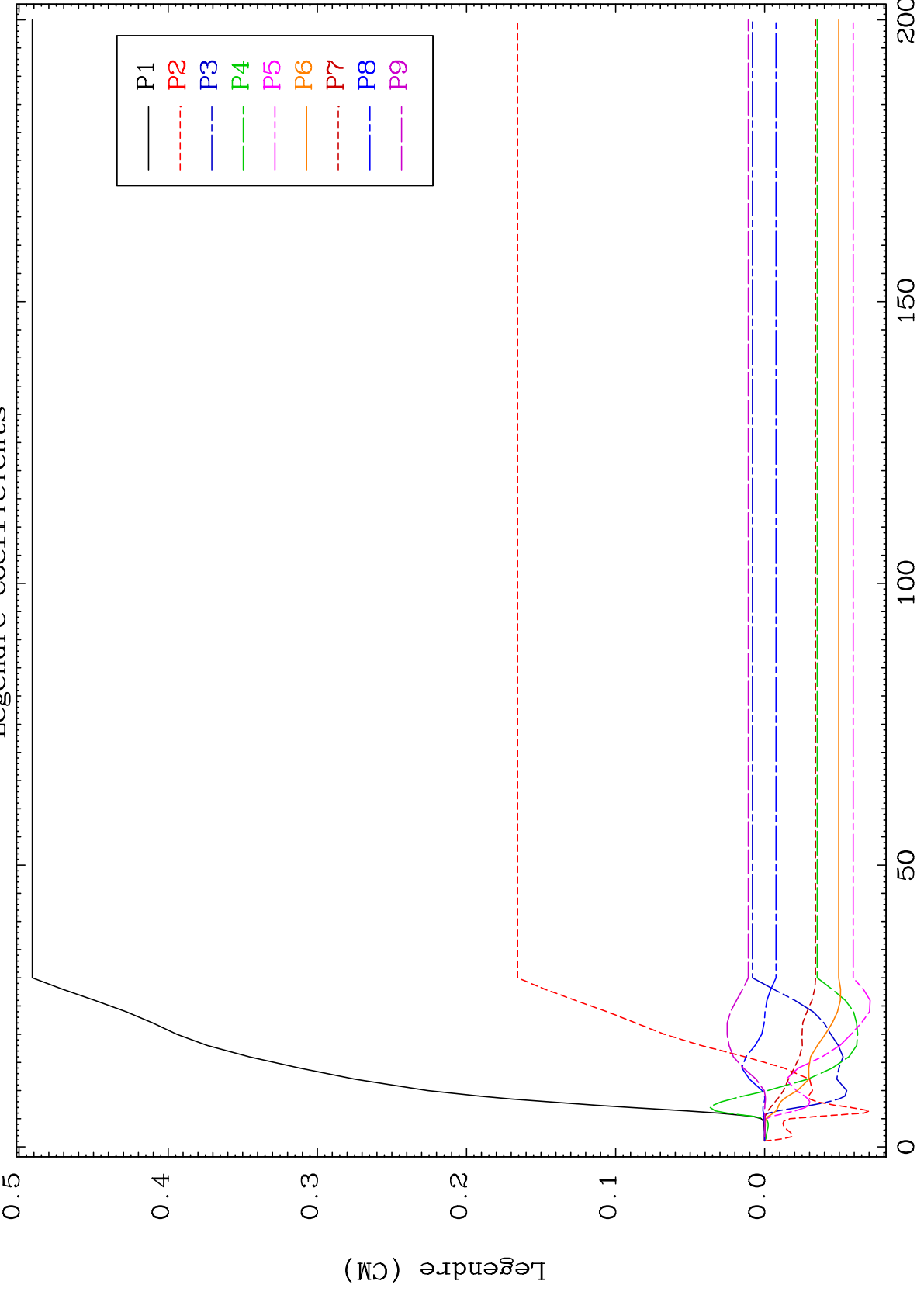


74

Incident Energy (MeV)

68-Er-155

MAT 6804 MT= 65 (n,n') Level Legendre Coefficients 68-Er-155

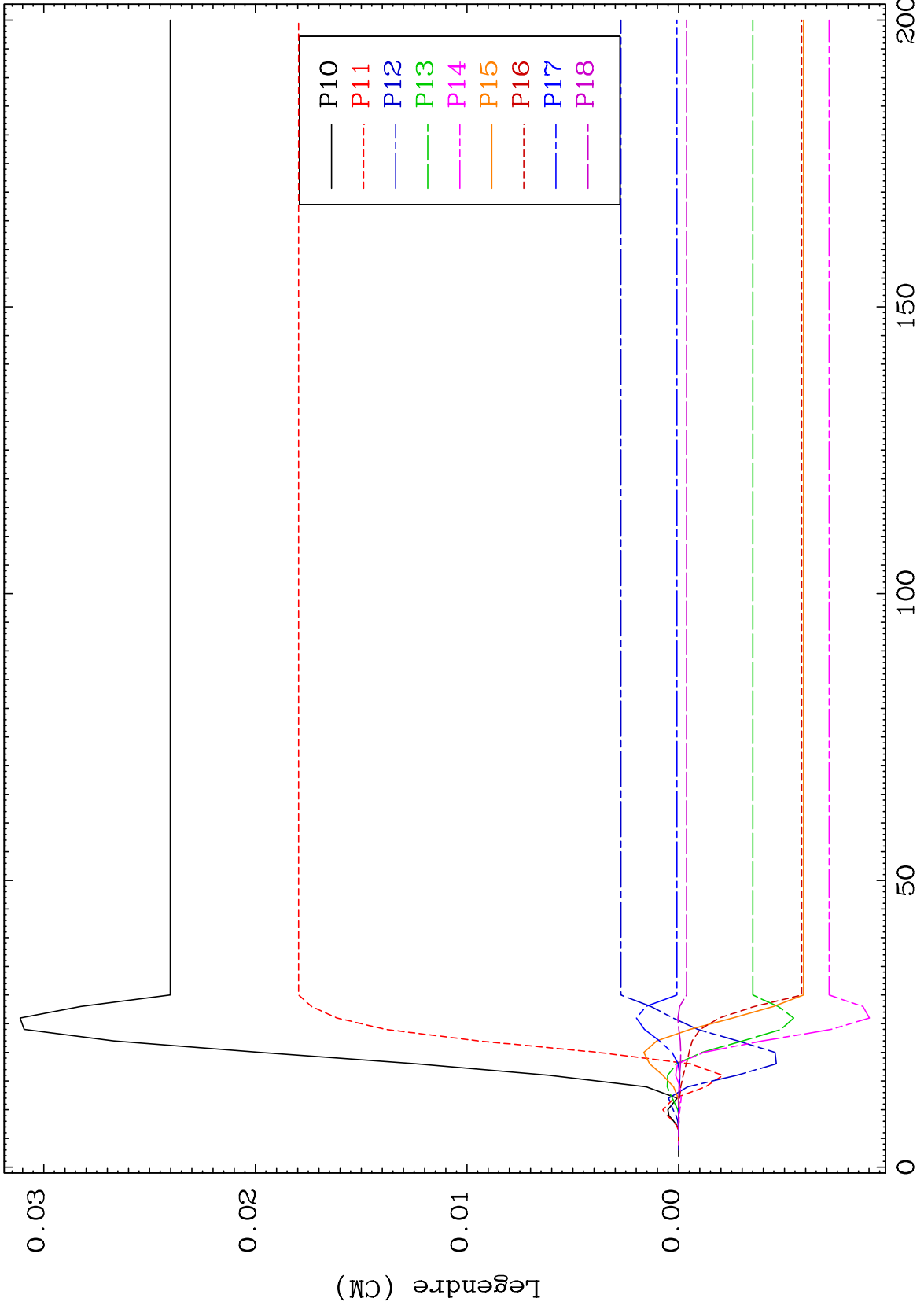


75 Incident Energy (MeV) 68-Er-155

MAT 6804

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

68-Er-155



76

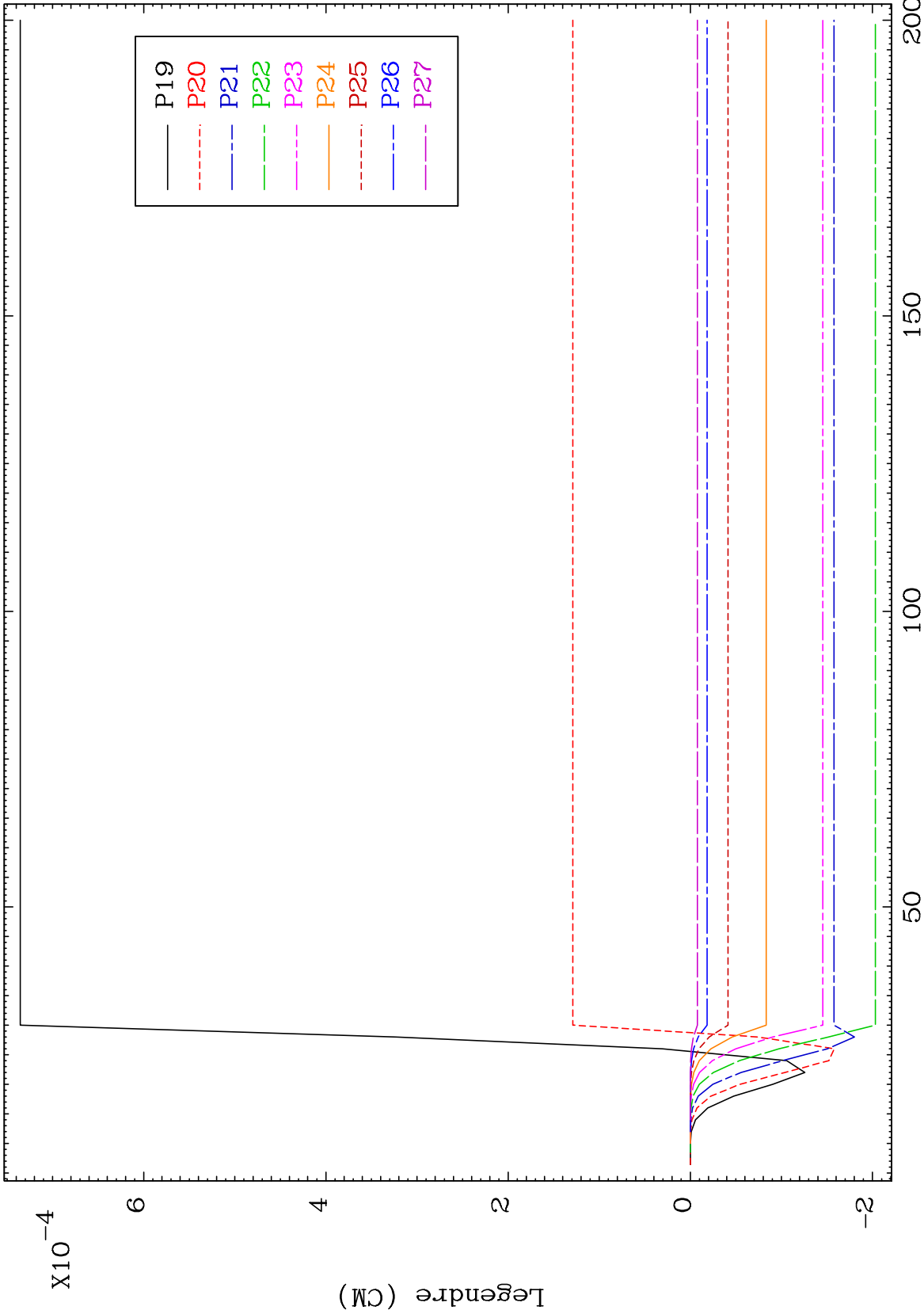
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



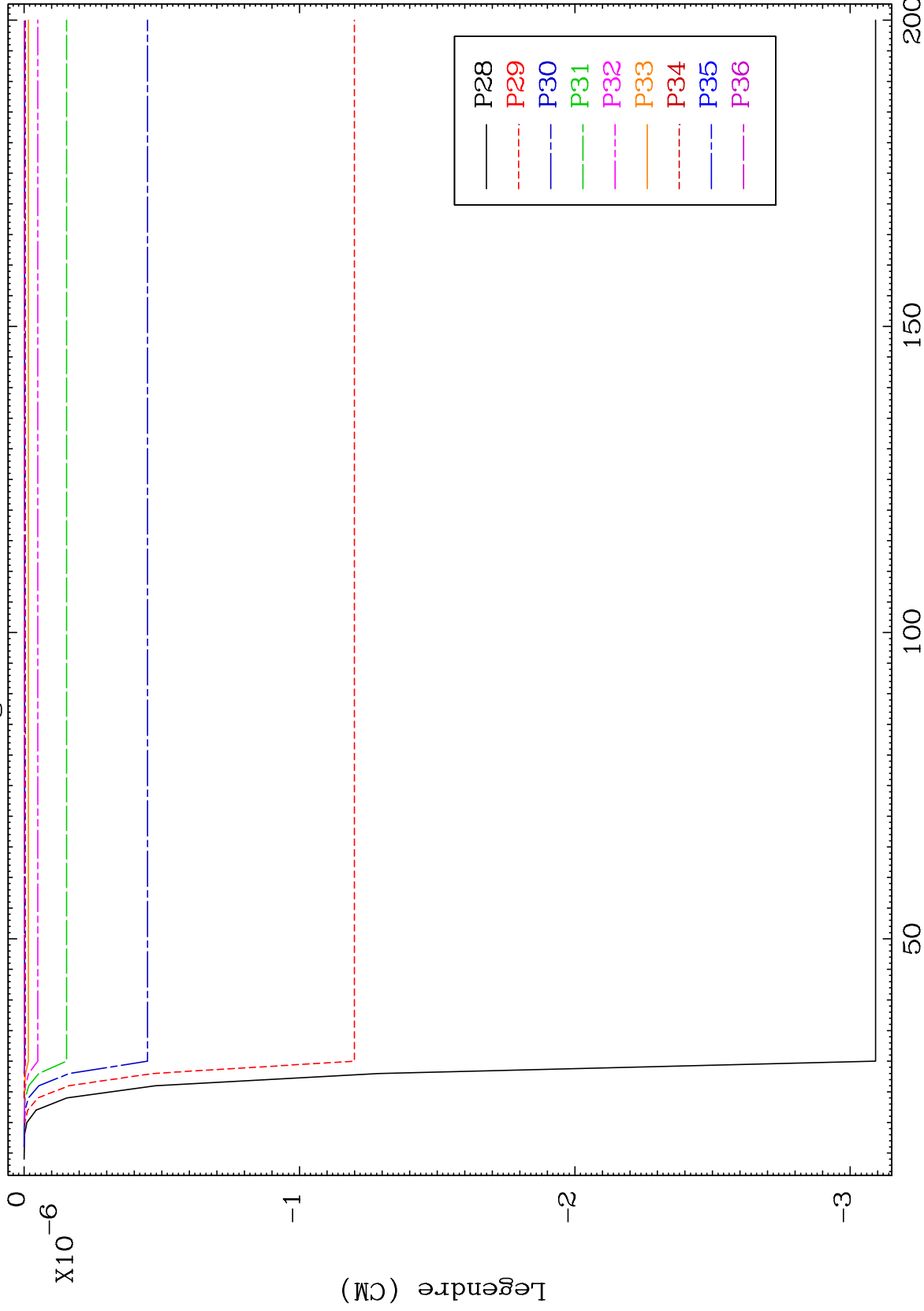
77

68-Er-155

MAT 6804

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

68-Er-155



68-Er-155

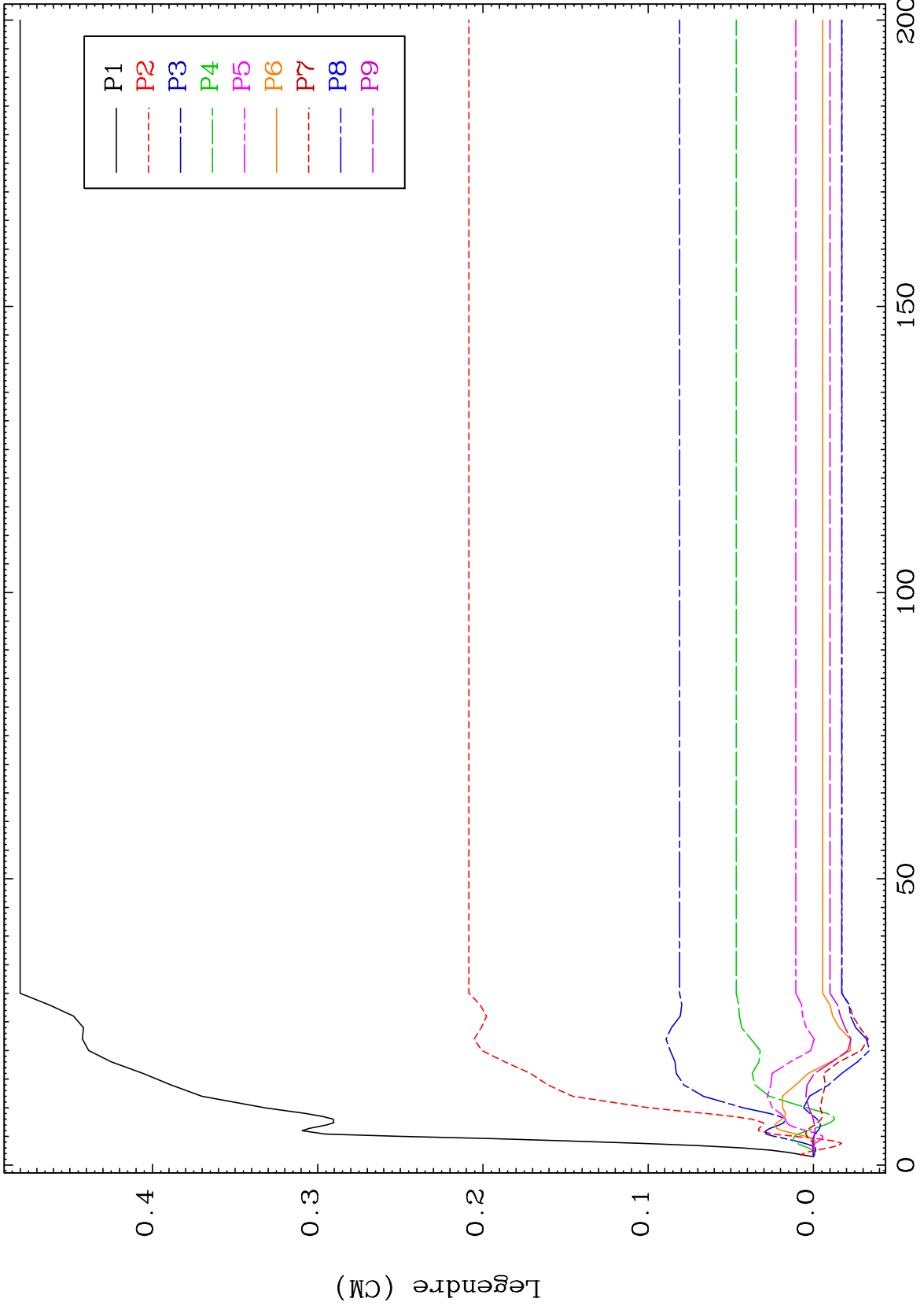
Incident Energy (MeV)

78

MAT 6804

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

68-Er-155



79

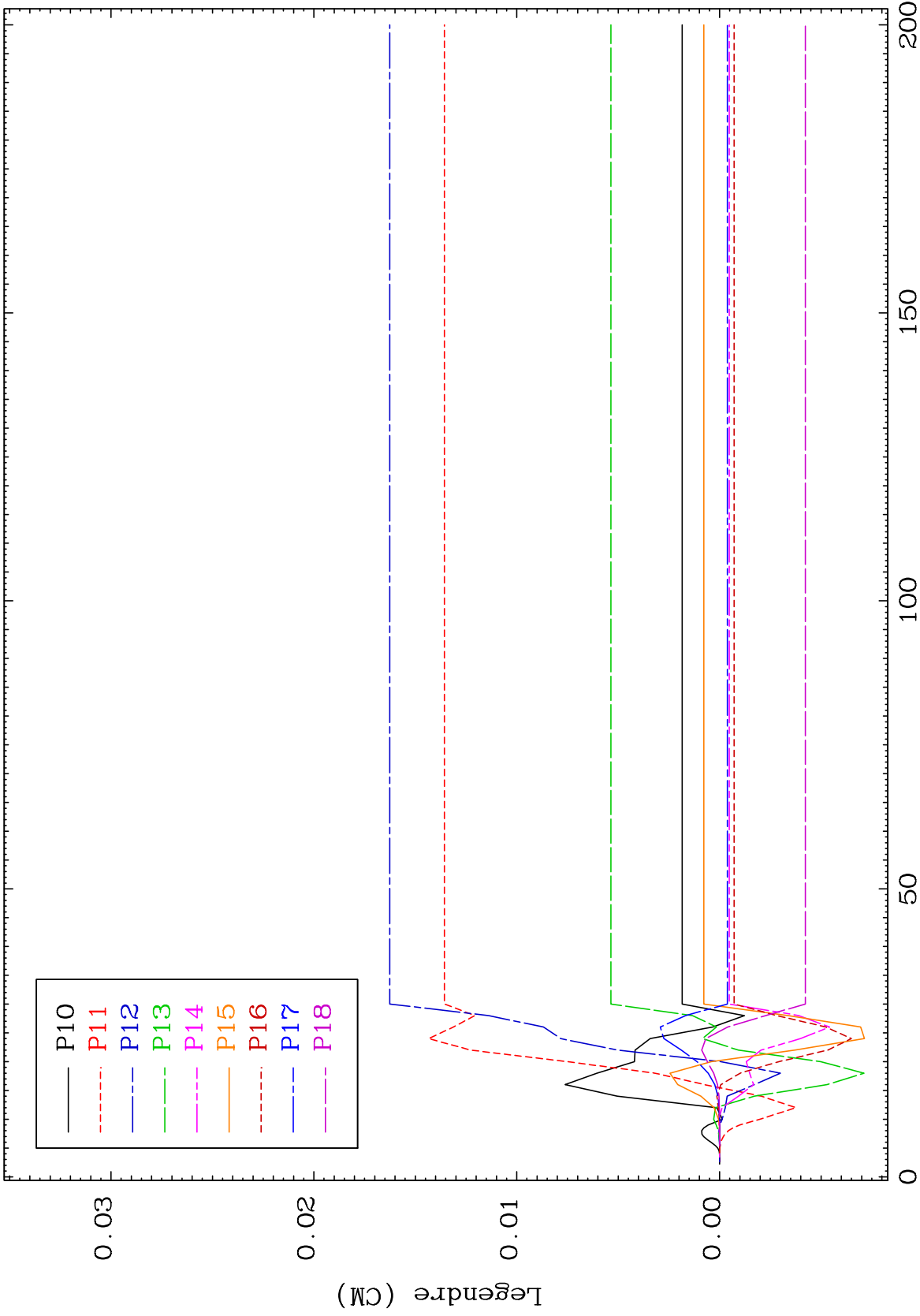
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



0

50

100

150

200

68-Er-155

Incident Energy (MeV)

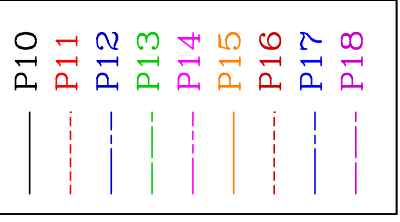
Legendre (CM)

0.03

0.02

0.01

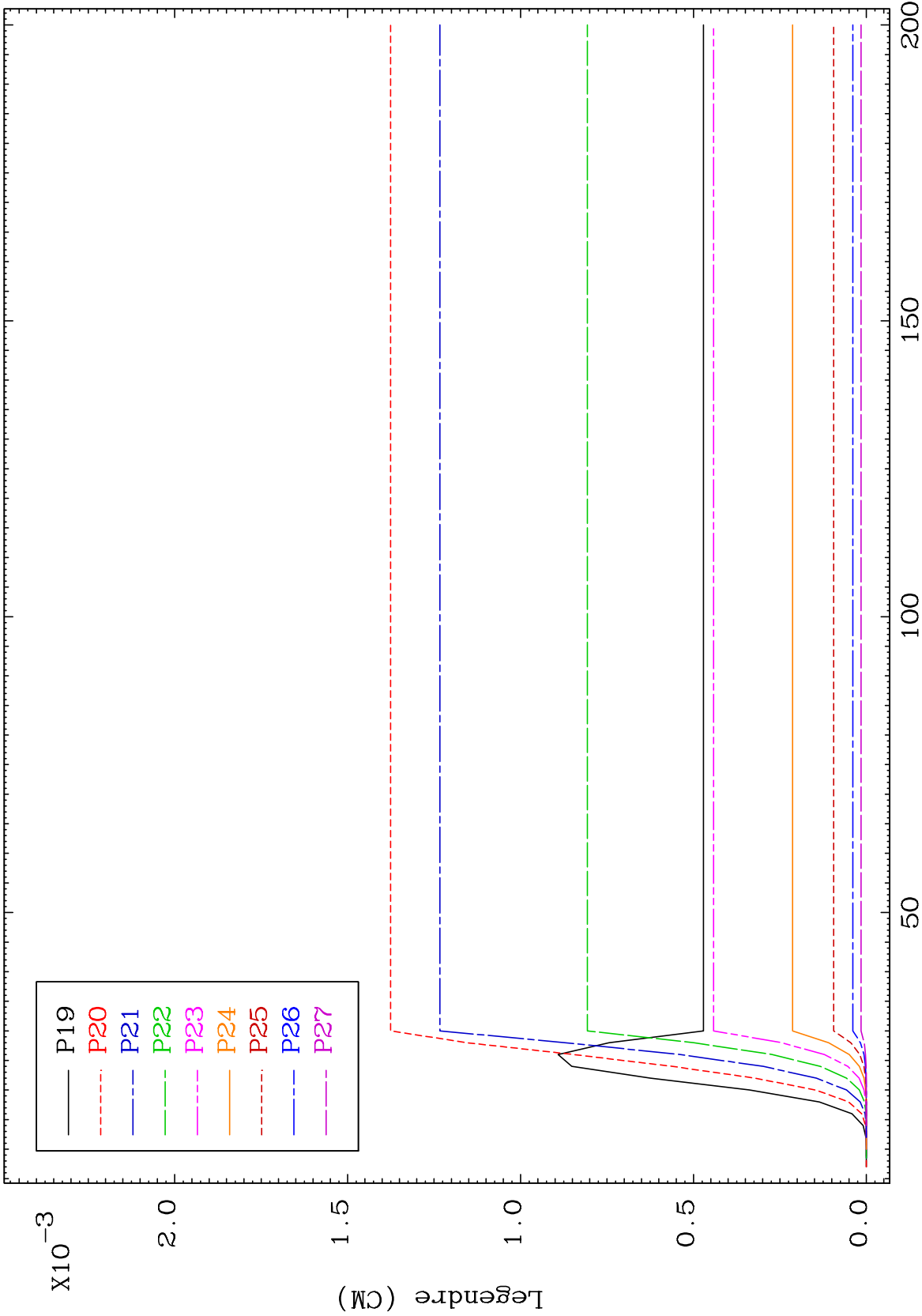
0.00



MAT 6804

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

68-Er-155



81

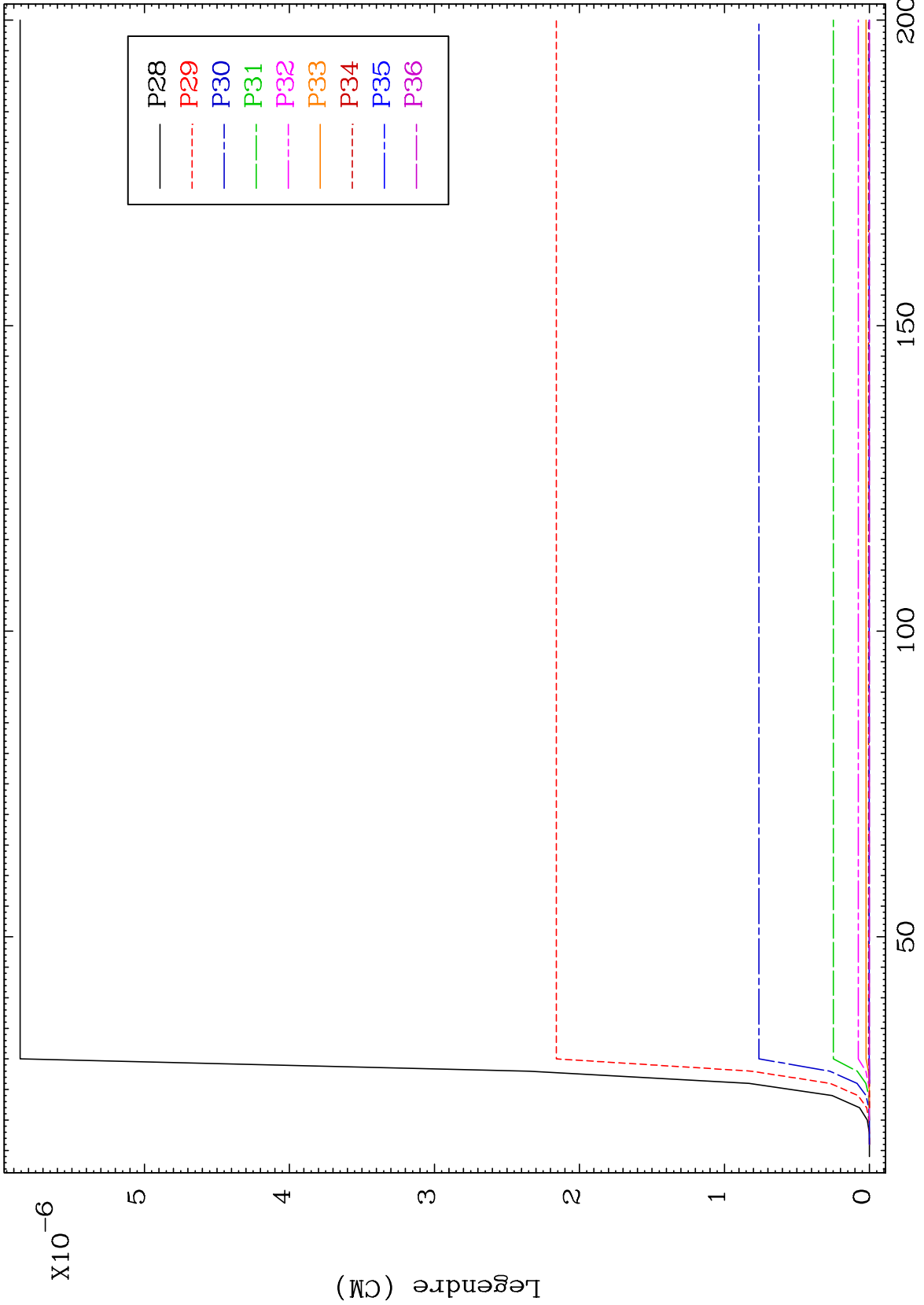
Incident Energy (MeV)

68-Er-155

MAT 6804

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

68-Er-155



82

Incident Energy (MeV)

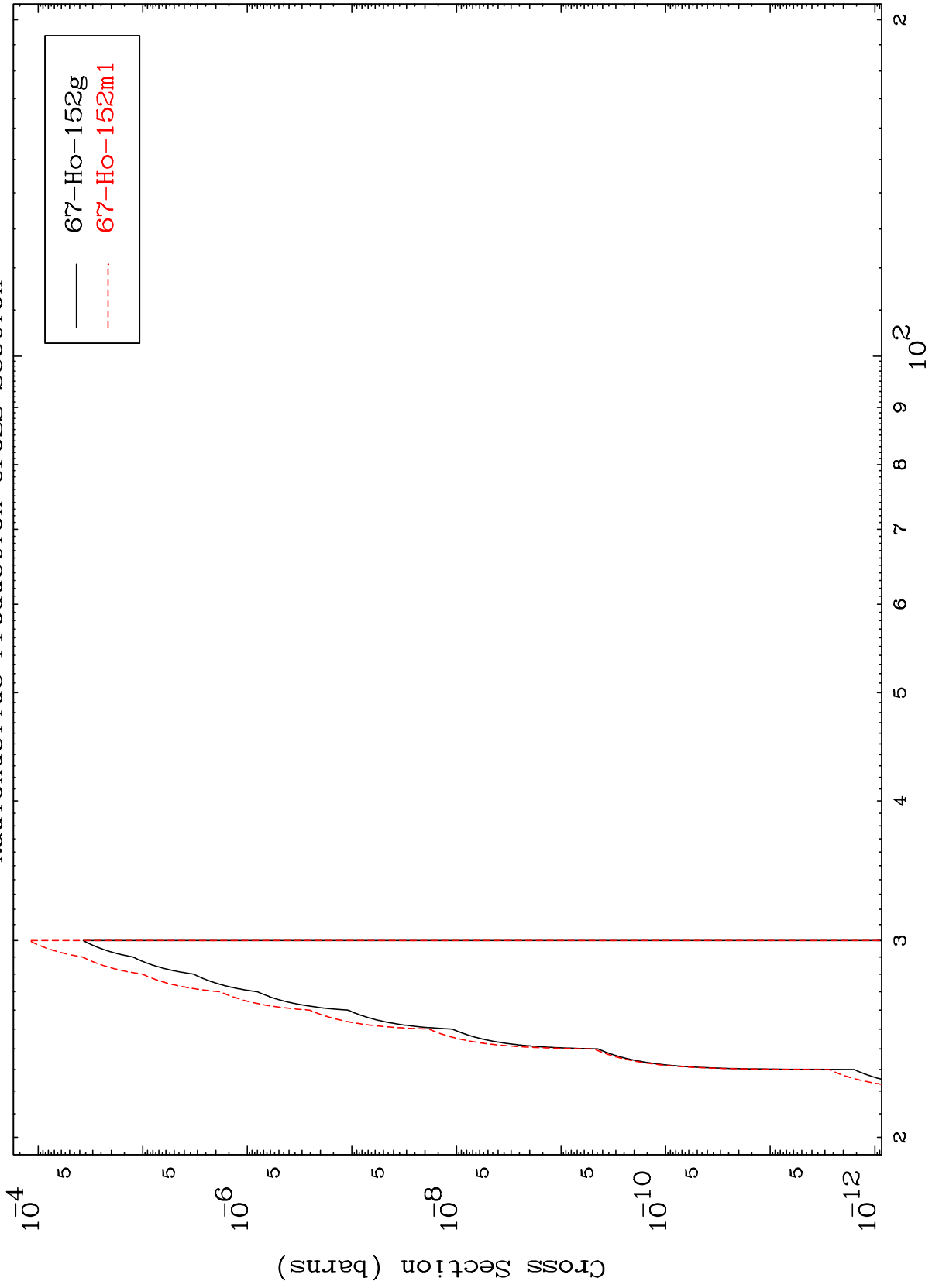
68-Er-155

MAT 6804

(n,2n) d

68-Er-155

Radionuclide Production Cross Section



83

Incident Energy (MeV)

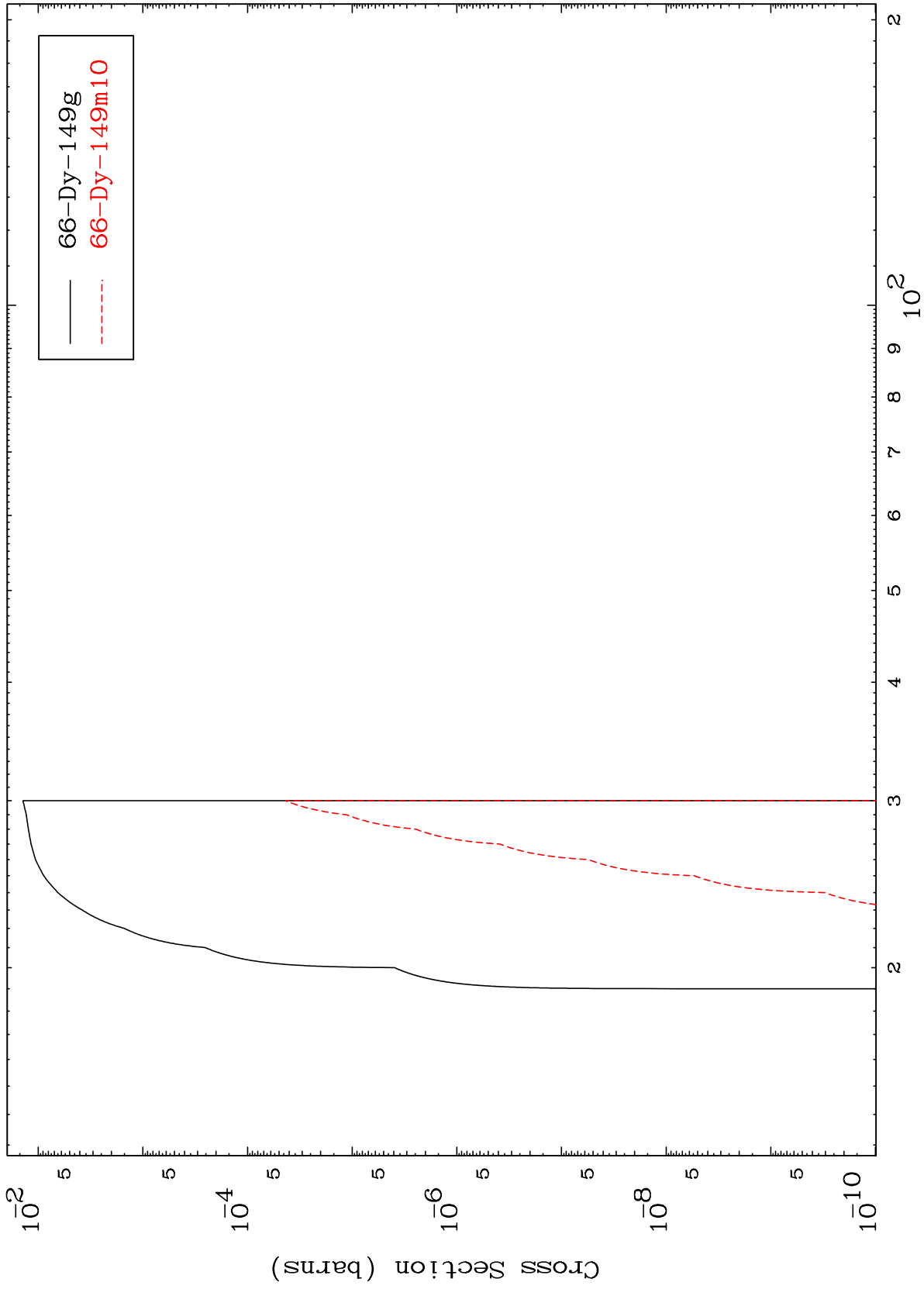
68-Er-155

MAT 6804

(n,3n) α

68-Er-155

Radionuclide Production Cross Section



66-Dy-149g
66-Dy-149m10

84

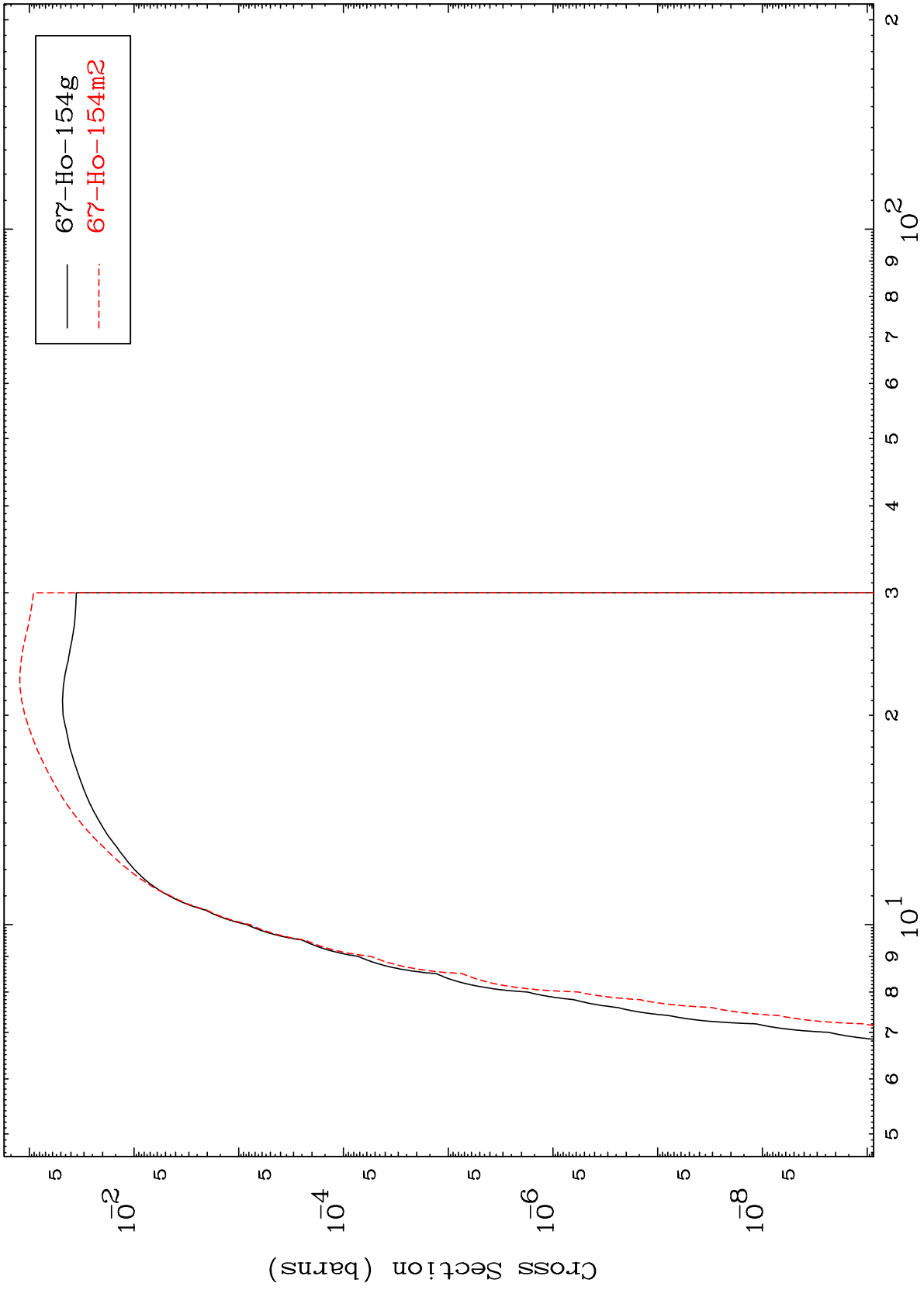
Incident Energy (MeV)

68-Er-155

MAT 6804

68-Er-155

(n,n') p
Radionuclide Production Cross Section



85

Incident Energy (MeV)

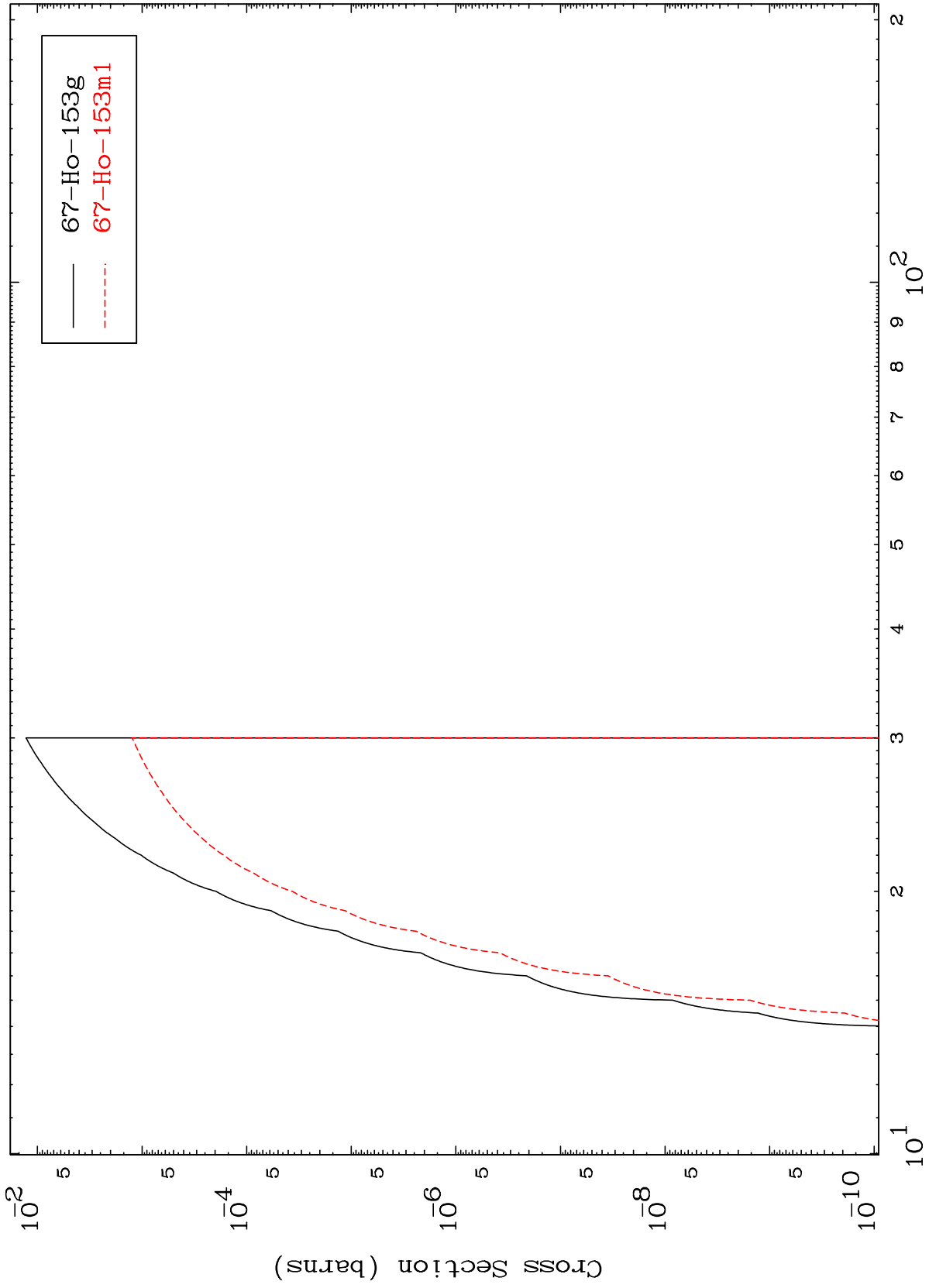
68-Er-155

MAT 6804

(n,n') d

68-Er-155

Radionuclide Production Cross Section



86

Incident Energy (MeV)

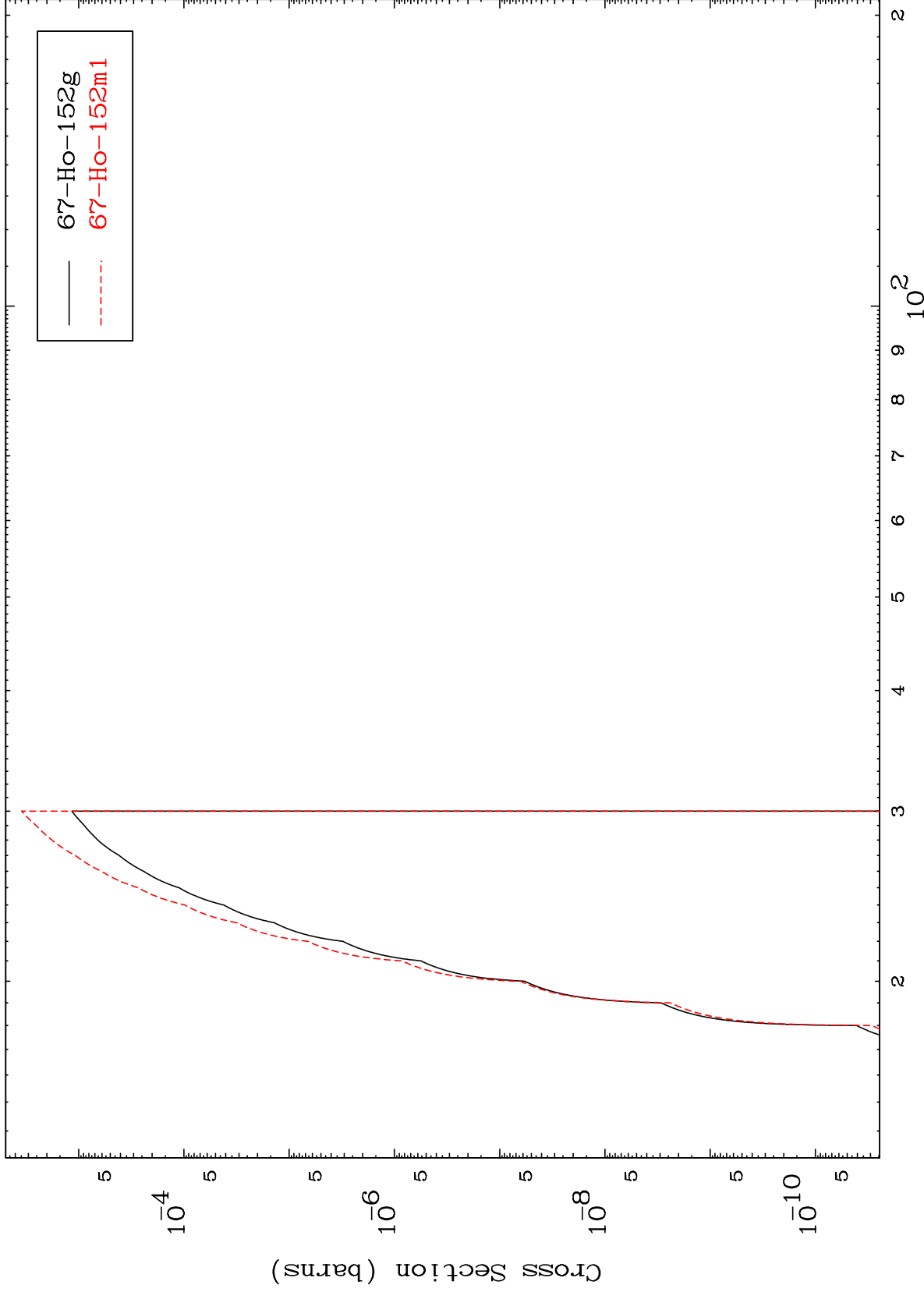
68-Er-155

MAT 6804

(n,n') t

68-Er-155

Radionuclide Production Cross Section



87

Incident Energy (MeV)

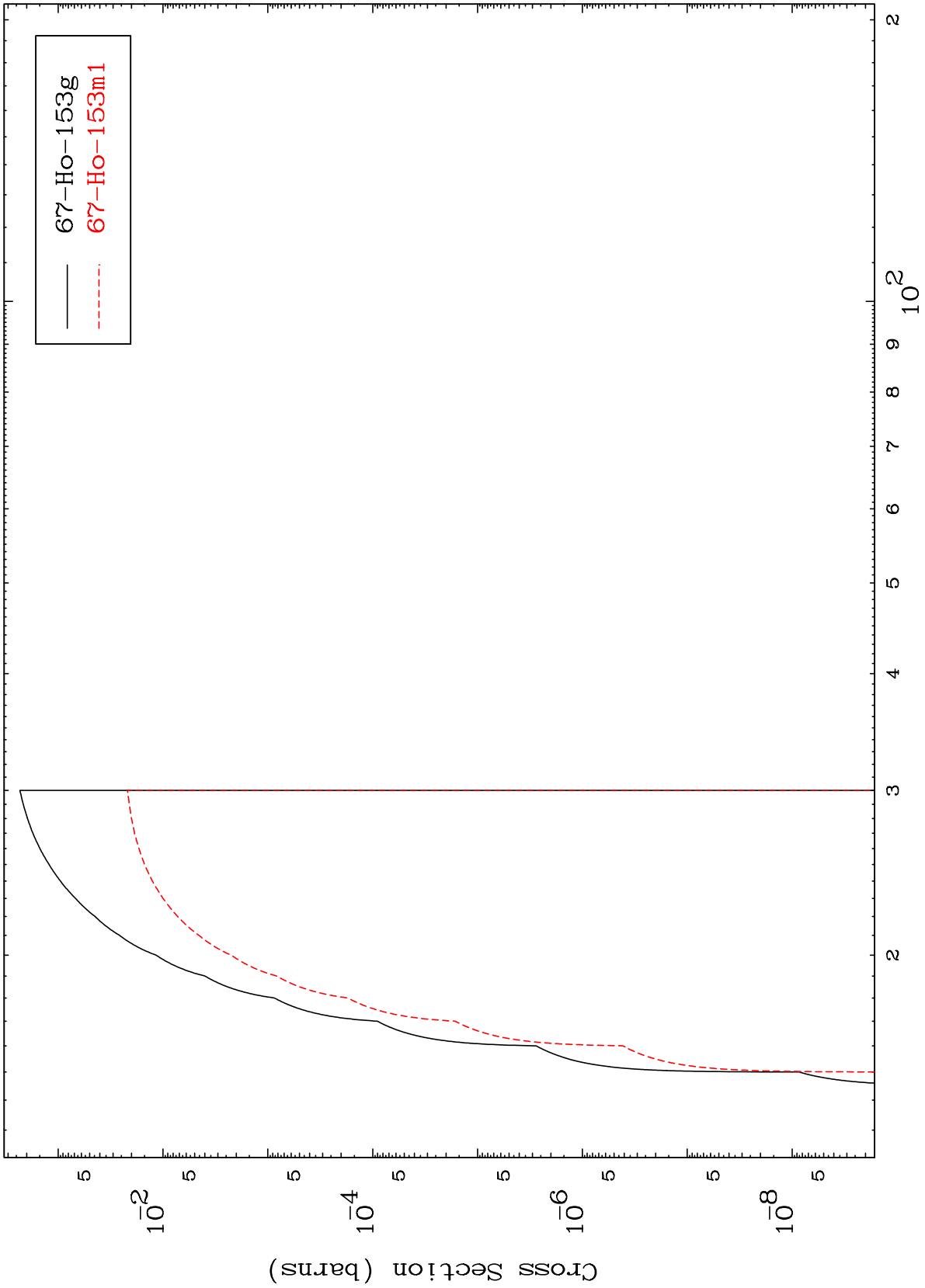
68-Er-155

MAT 6804

(n,2n) p

68-Er-155

Radionuclide Production Cross Section

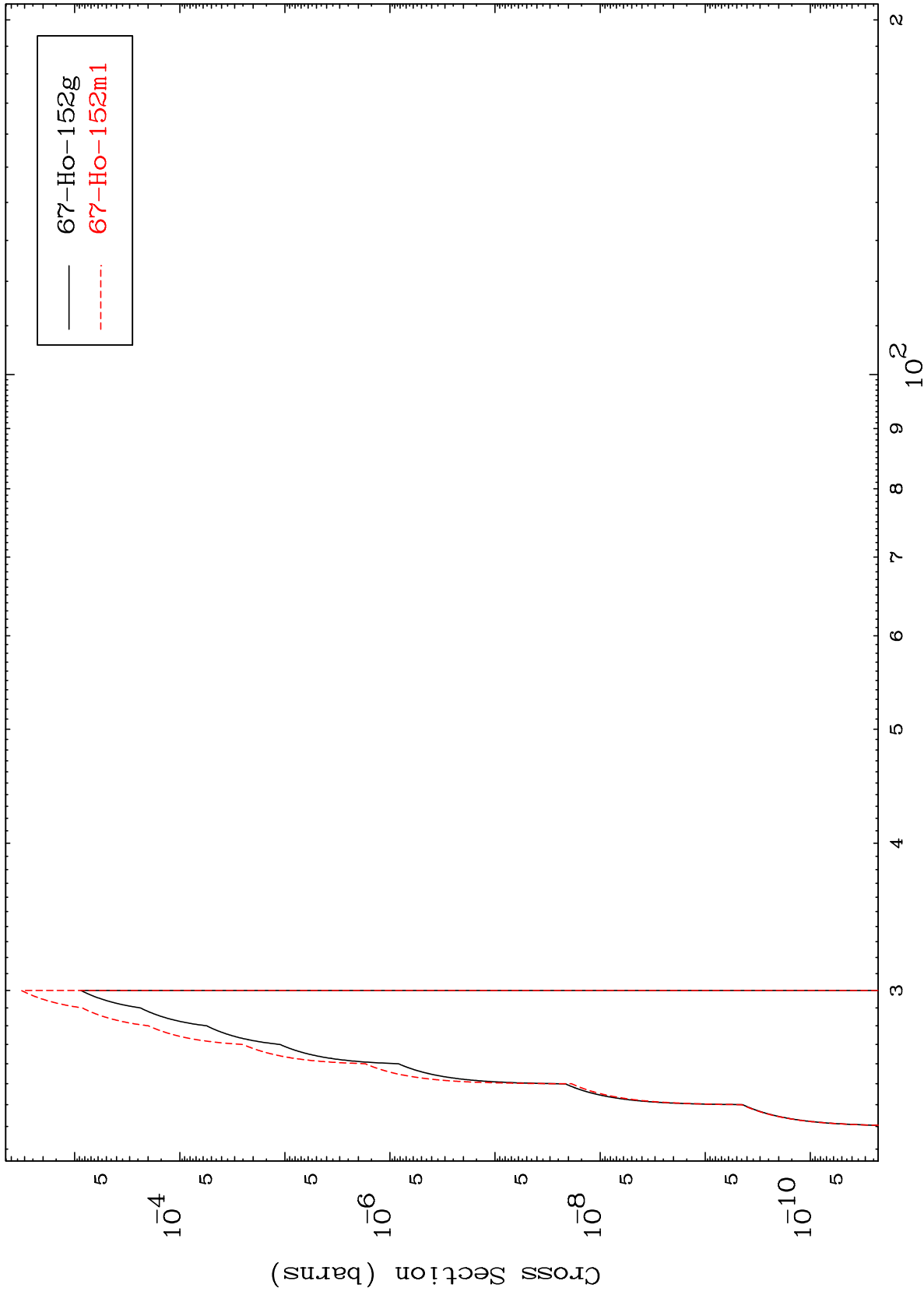


88

Incident Energy (MeV)

68-Er-155

Radionuclide Production Cross Section

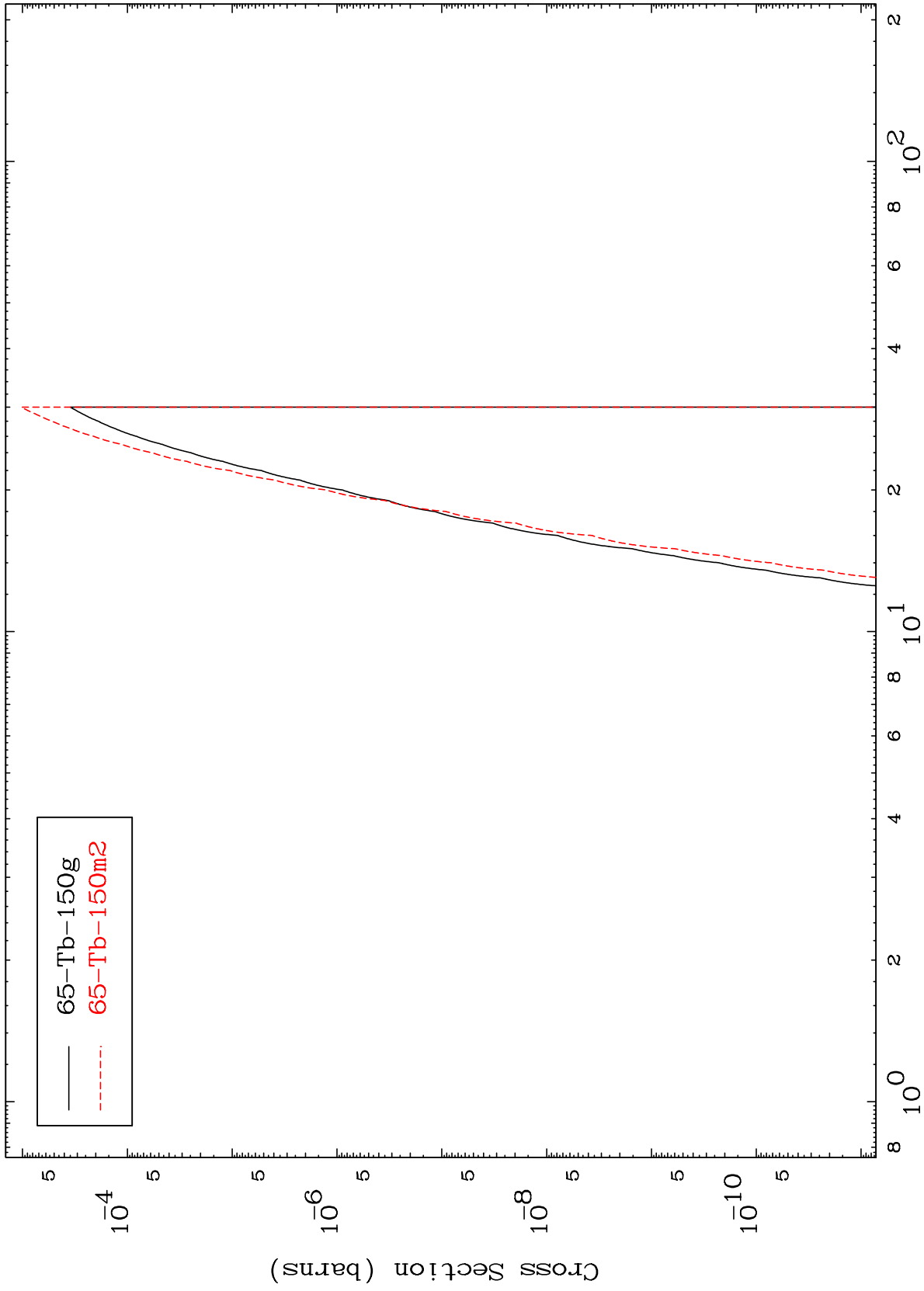


MAT 6804

(n,n') p α

68-Er-155

Radionuclide Production Cross Section



90

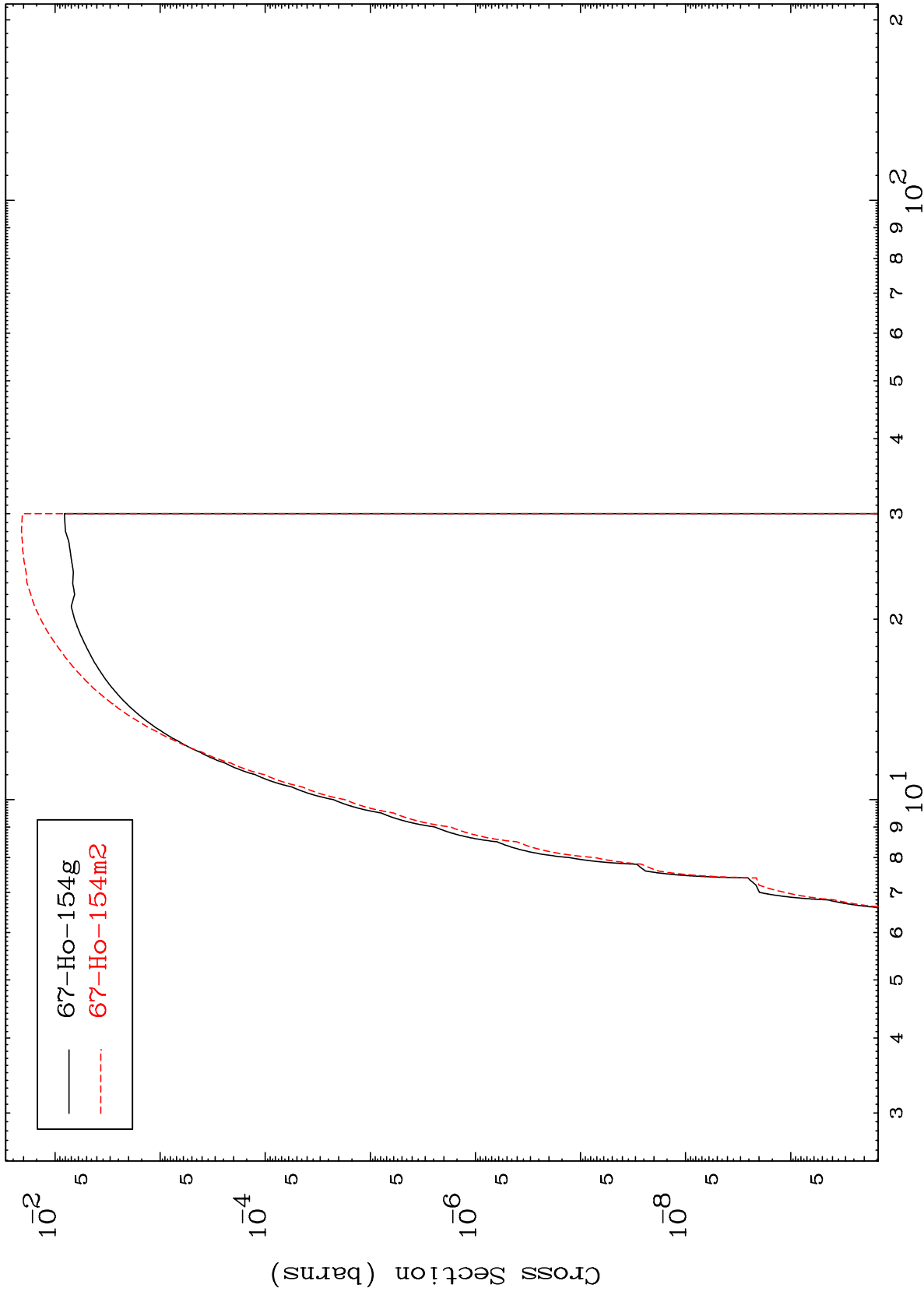
Incident Energy (MeV)

68-Er-155

MAT 6804

68-Er-155

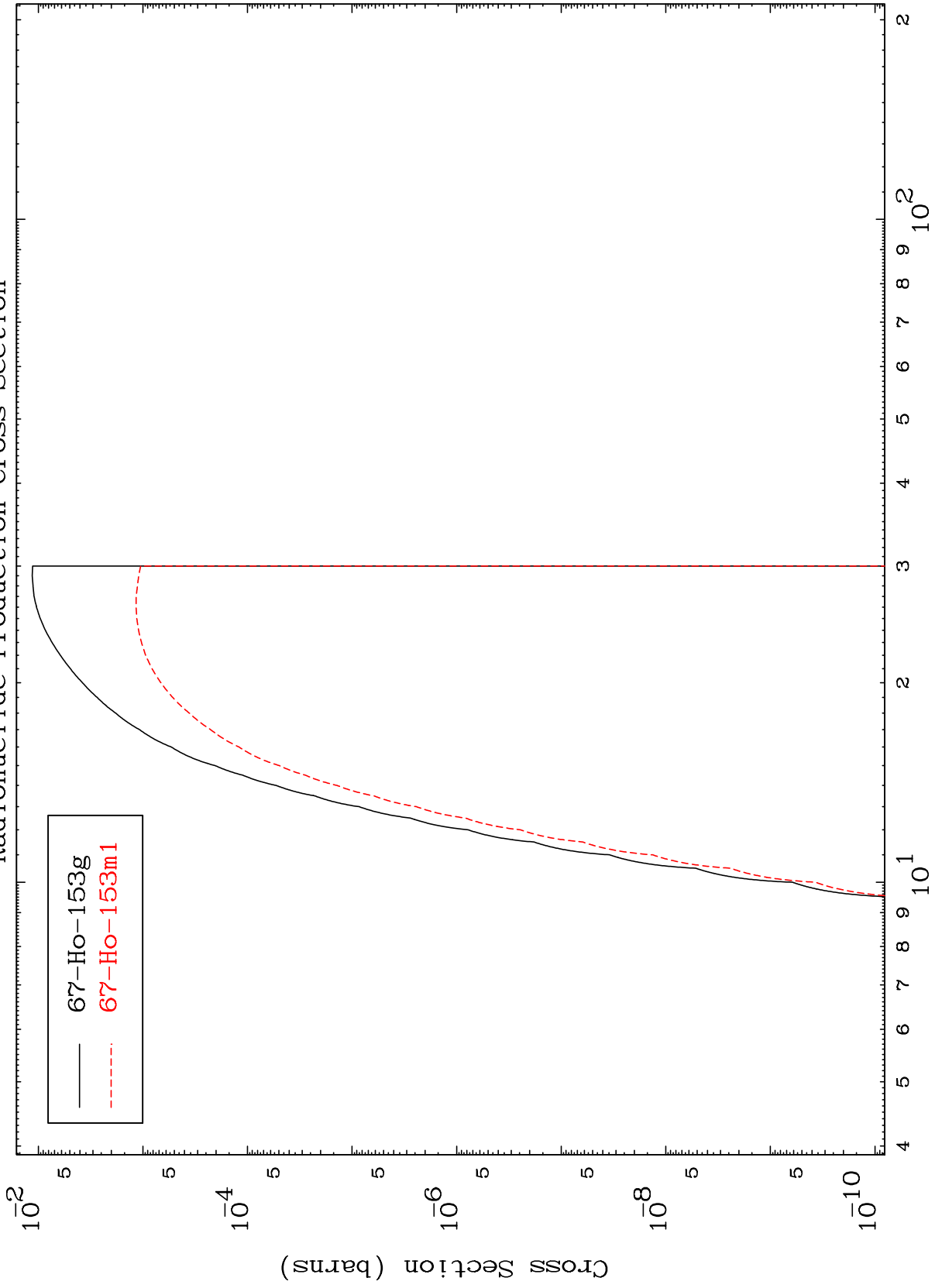
(n,d)
Radionuclide Production Cross Section



MAT 6804

68-Er-155

(n, t)
Radionuclide Production Cross Section



92

Incident Energy (MeV)

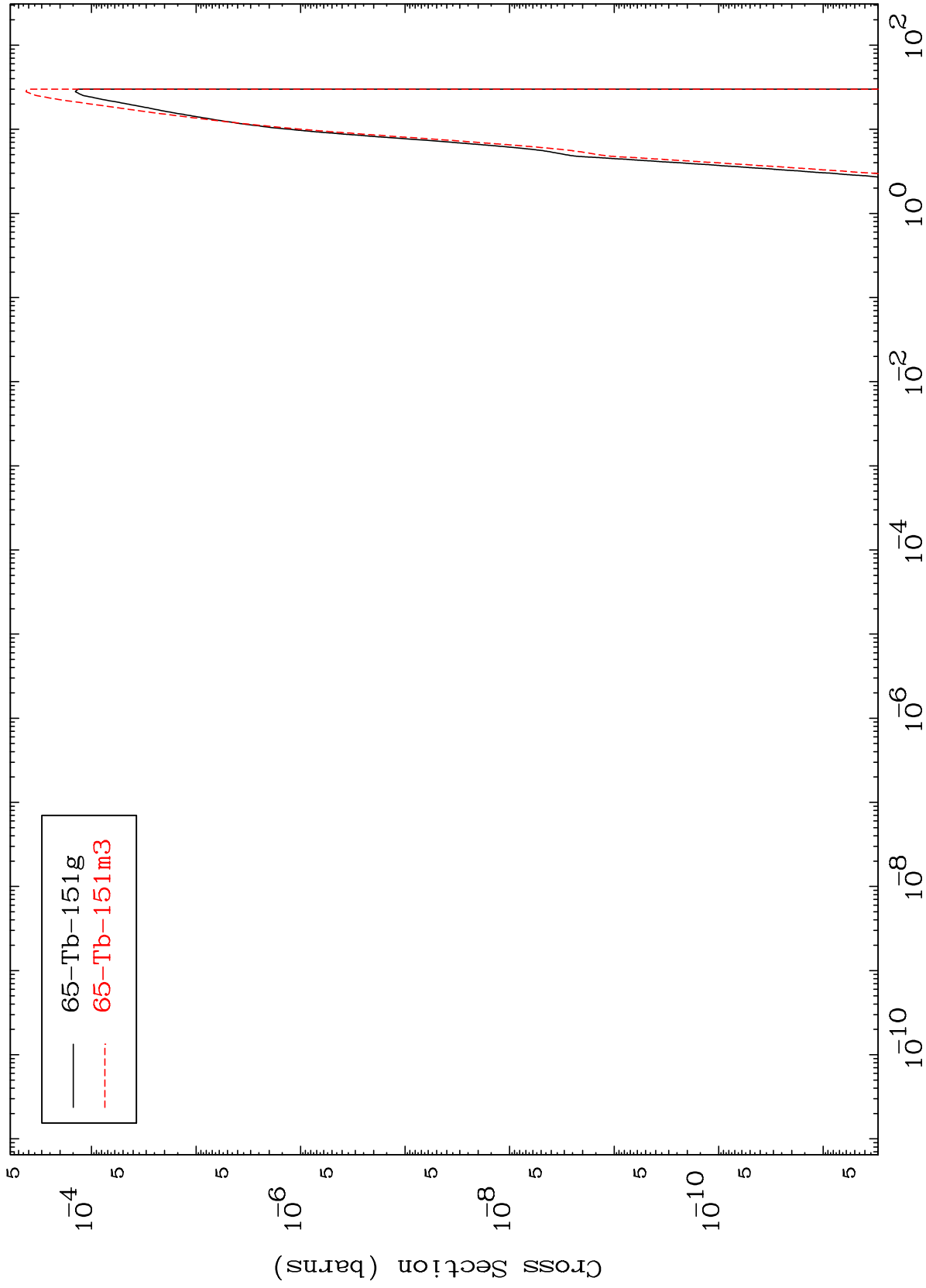
68-Er-155

MAT 6804

(n,p) α

68-Er-155

Radionuclide Production Cross Section



93

Incident Energy (MeV)

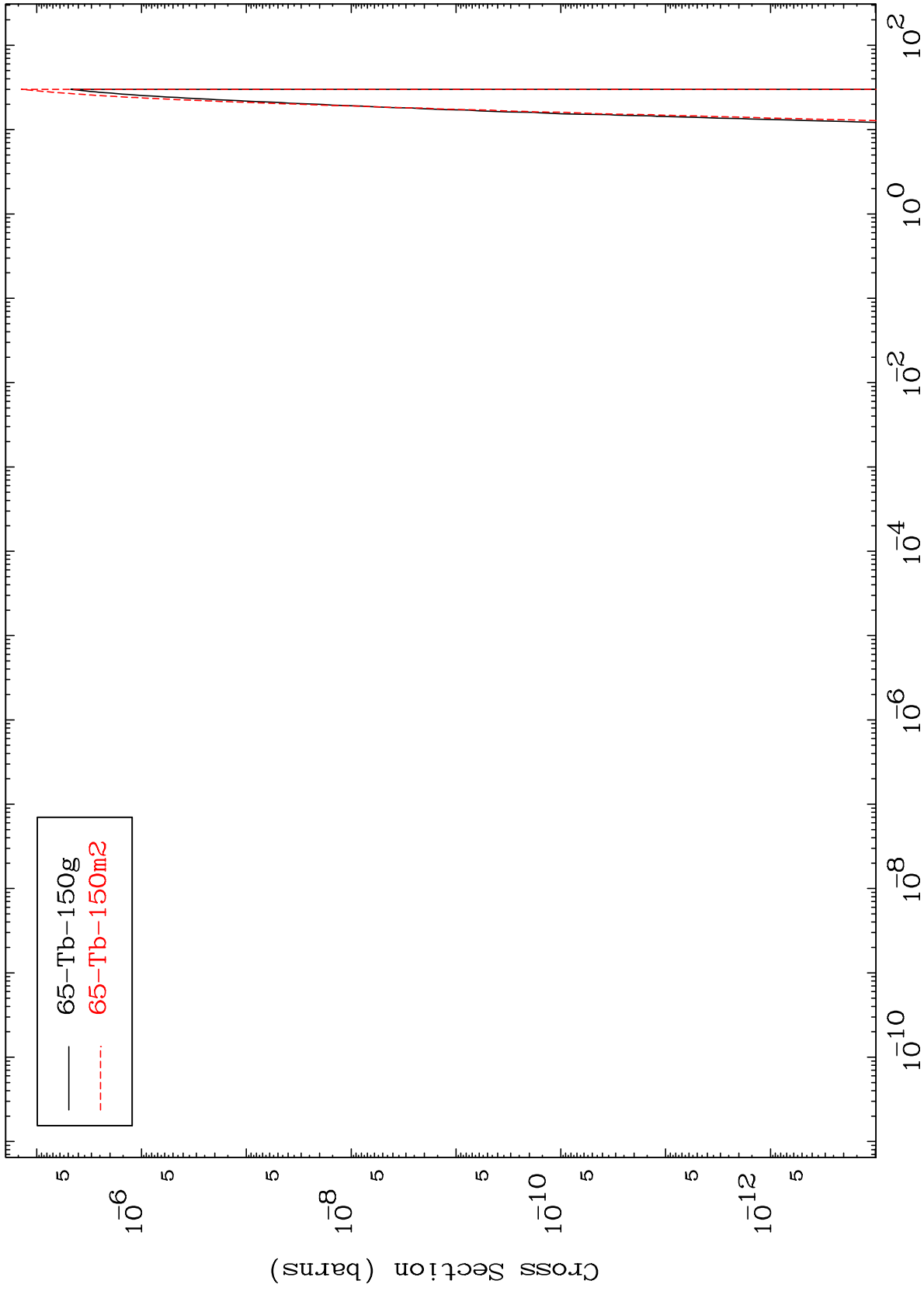
68-Er-155

MAT 6804

(n,d) α

68-Er-155

Radionuclide Production Cross Section



94

Incident Energy (MeV)

68-Er-155