

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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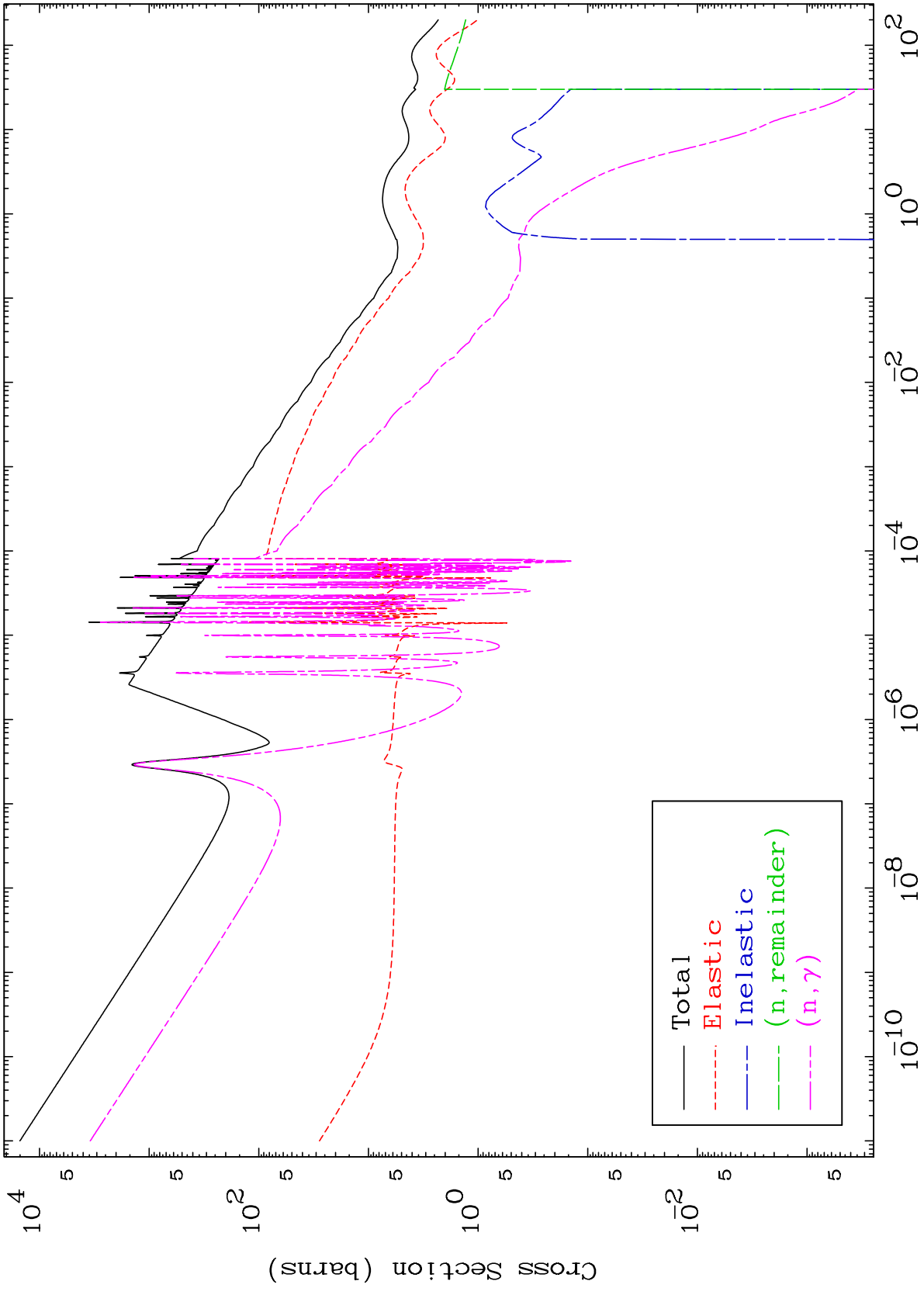
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6589

Major
293 Kelvin Cross Sections

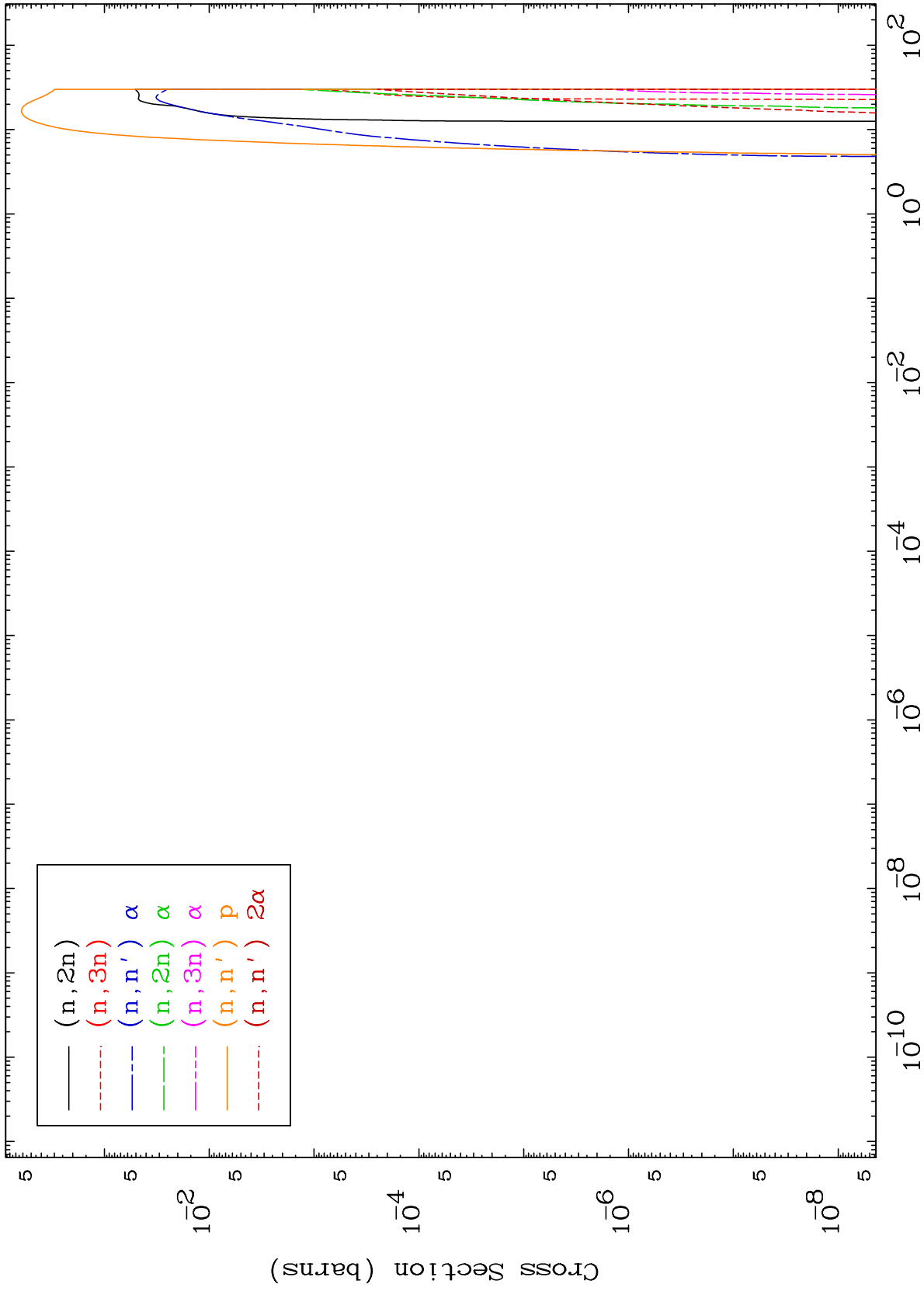
66-Dy-144



MAT 6589

Neutron Production
293 Kelvin Cross Sections

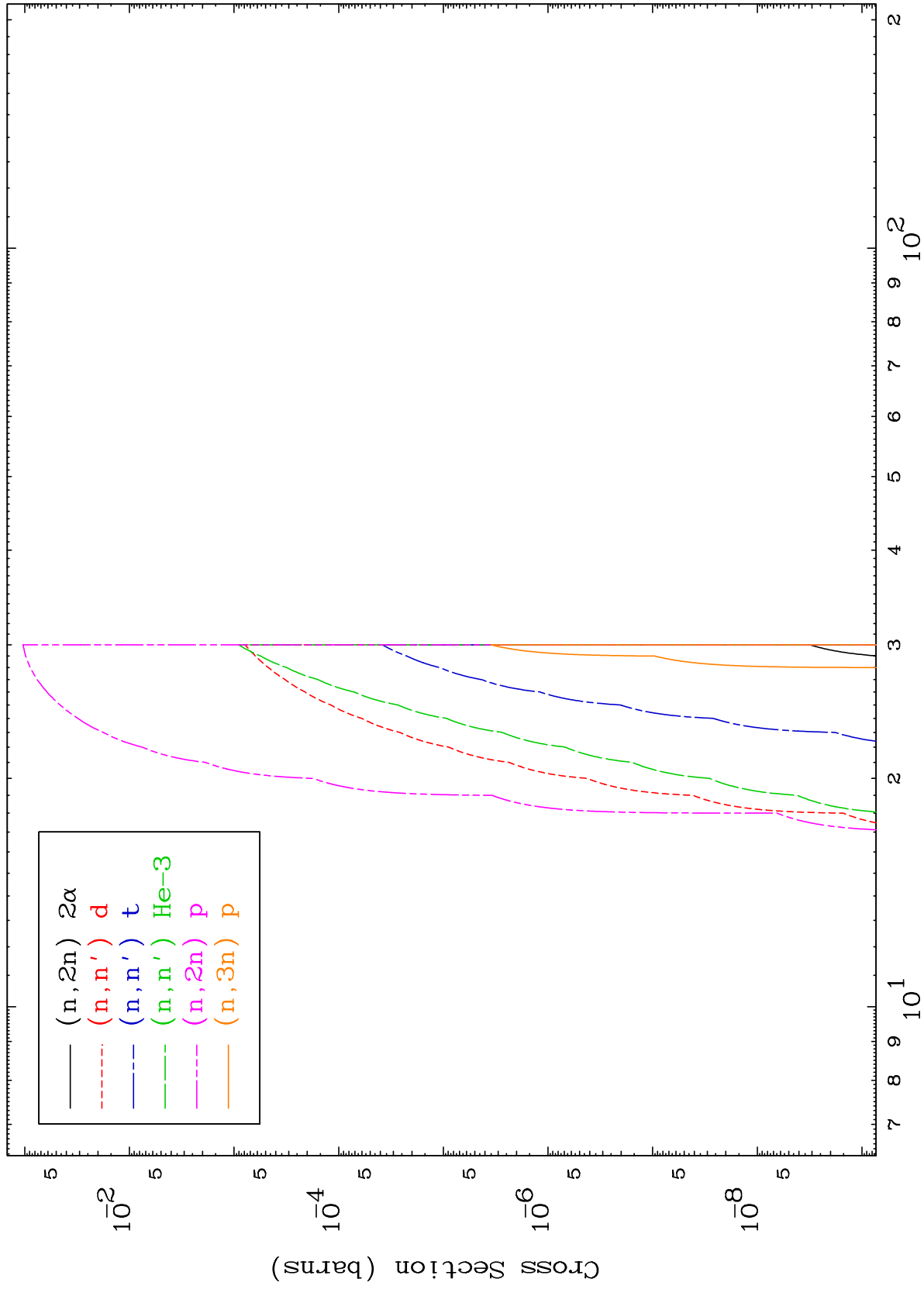
66-Dy-144



2

Incident Energy (MeV)

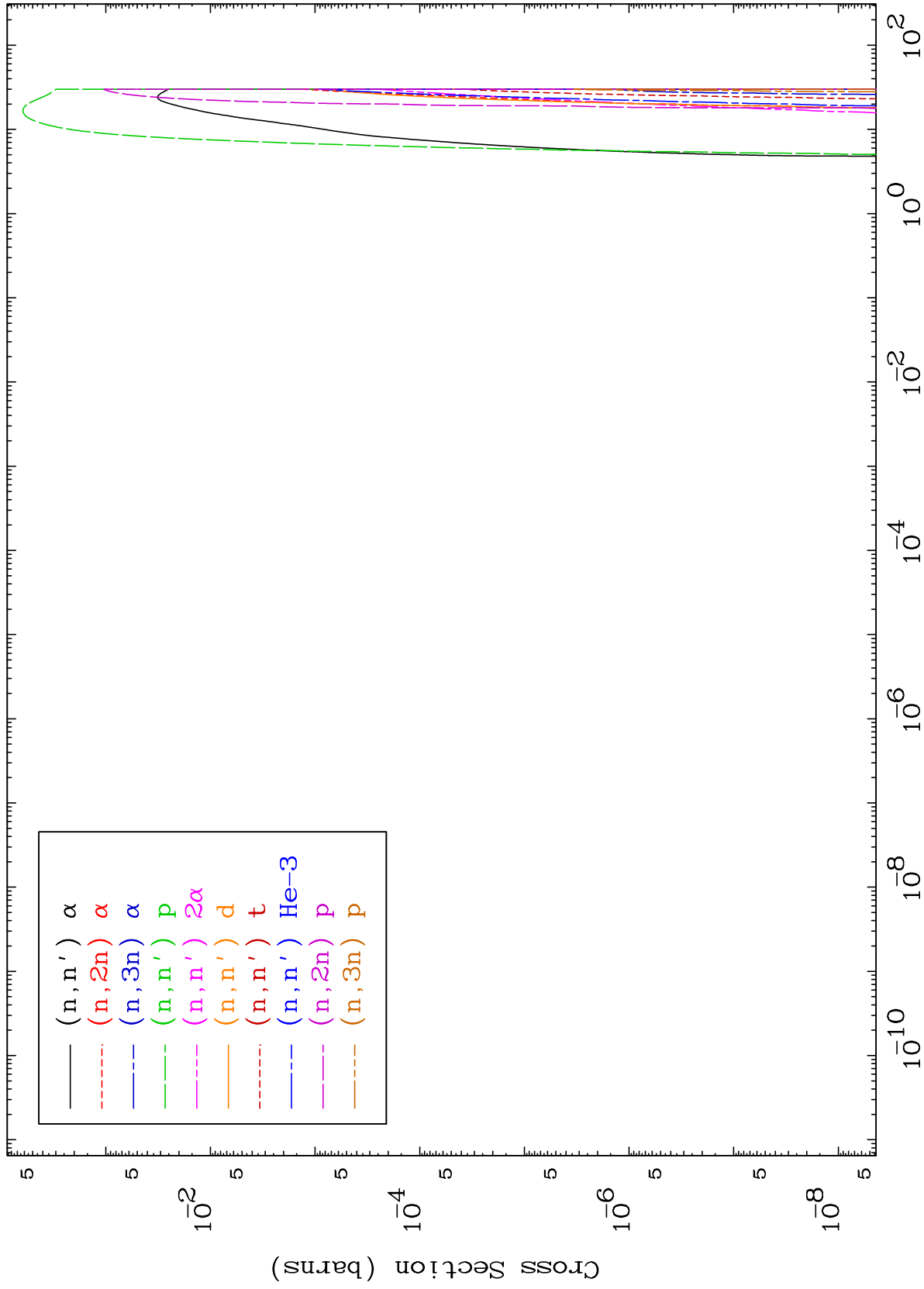
66-Dy-144



MAT 6589

Charged Particle
293 Kelvin Cross Sections

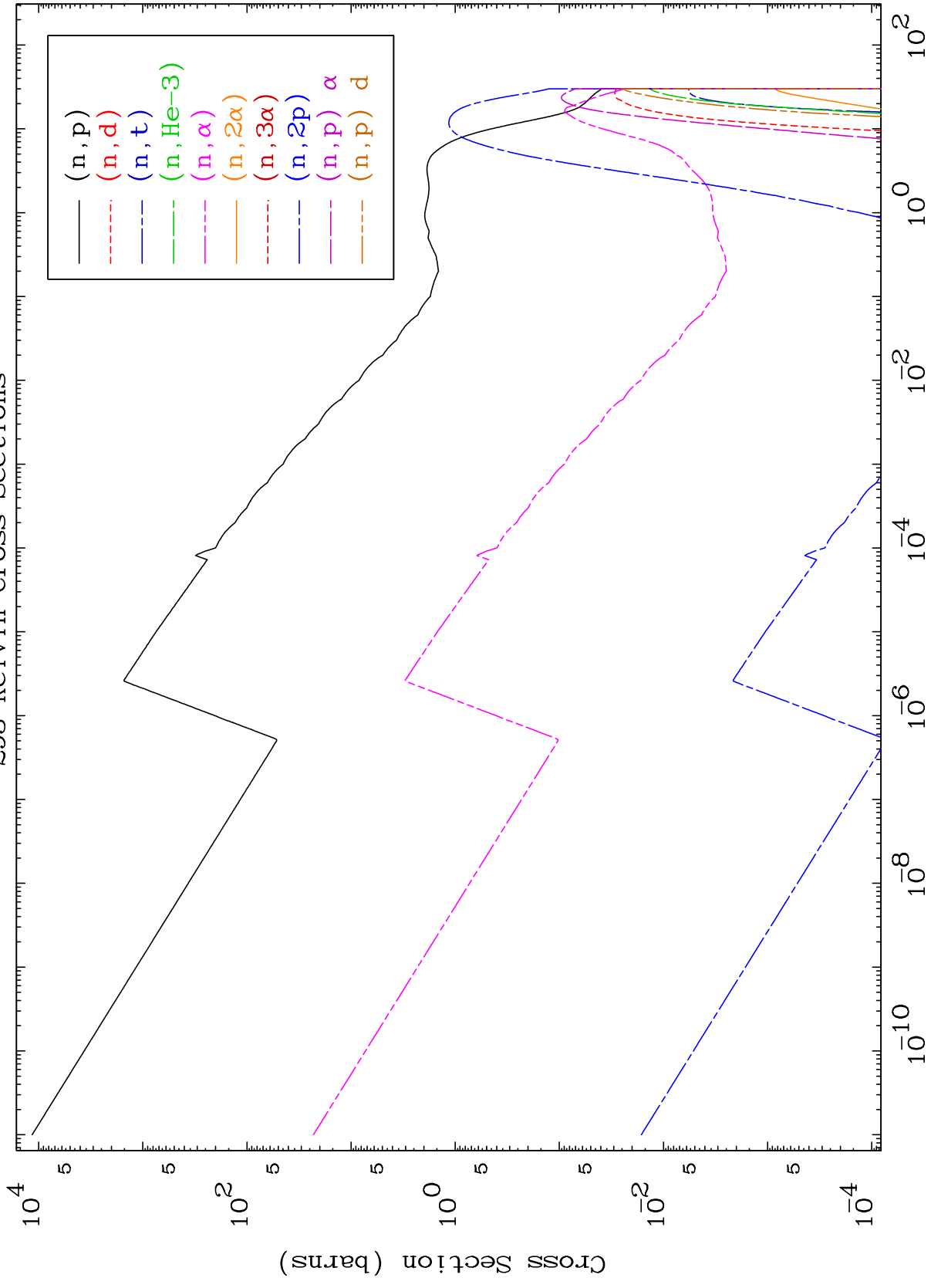
66-Dy-144



MAT 6589

293 Kelvin Cross Sections

66-Dy-144

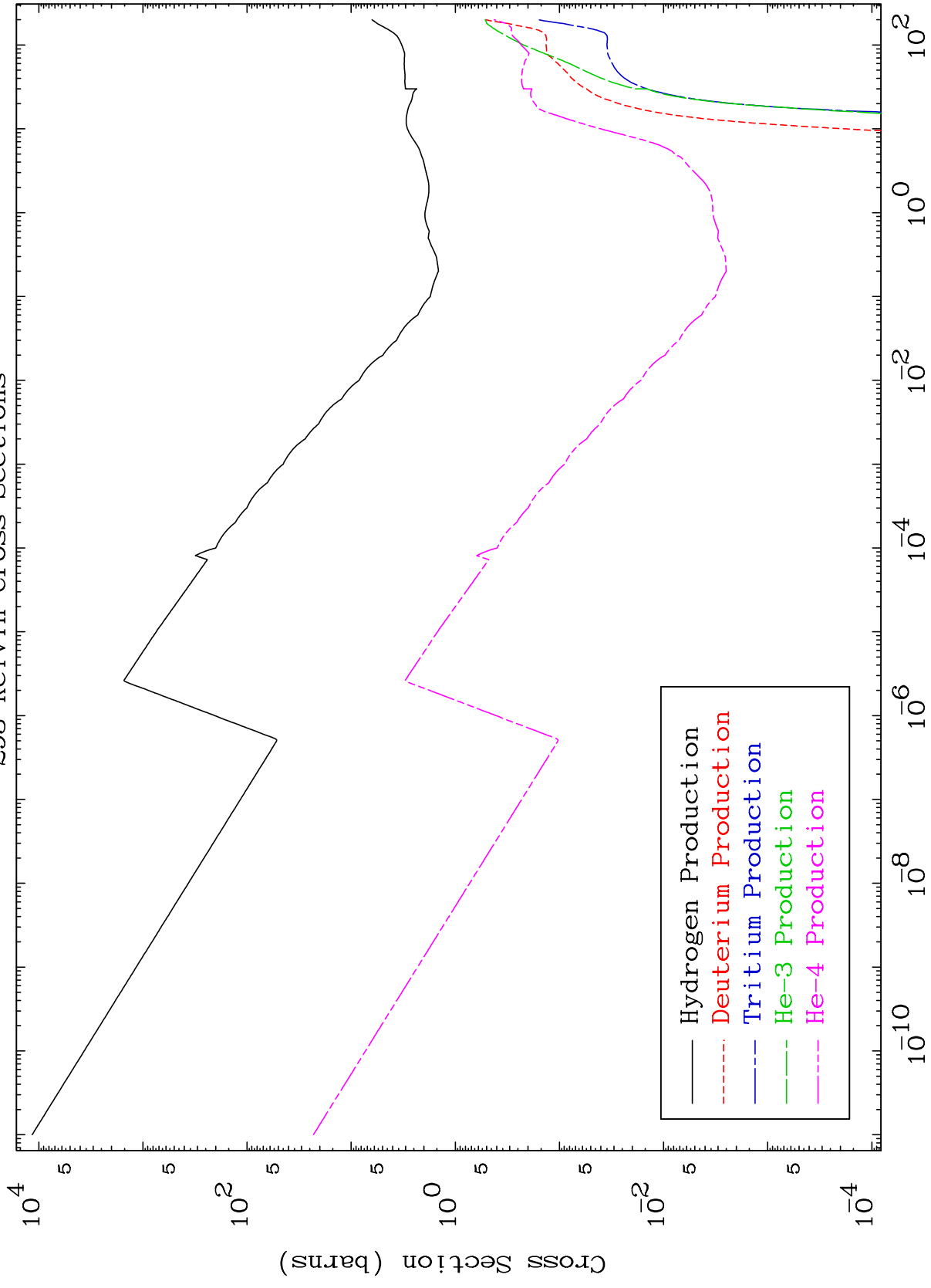


5

MAT 6589

Particle Production
293 Kelvin Cross Sections

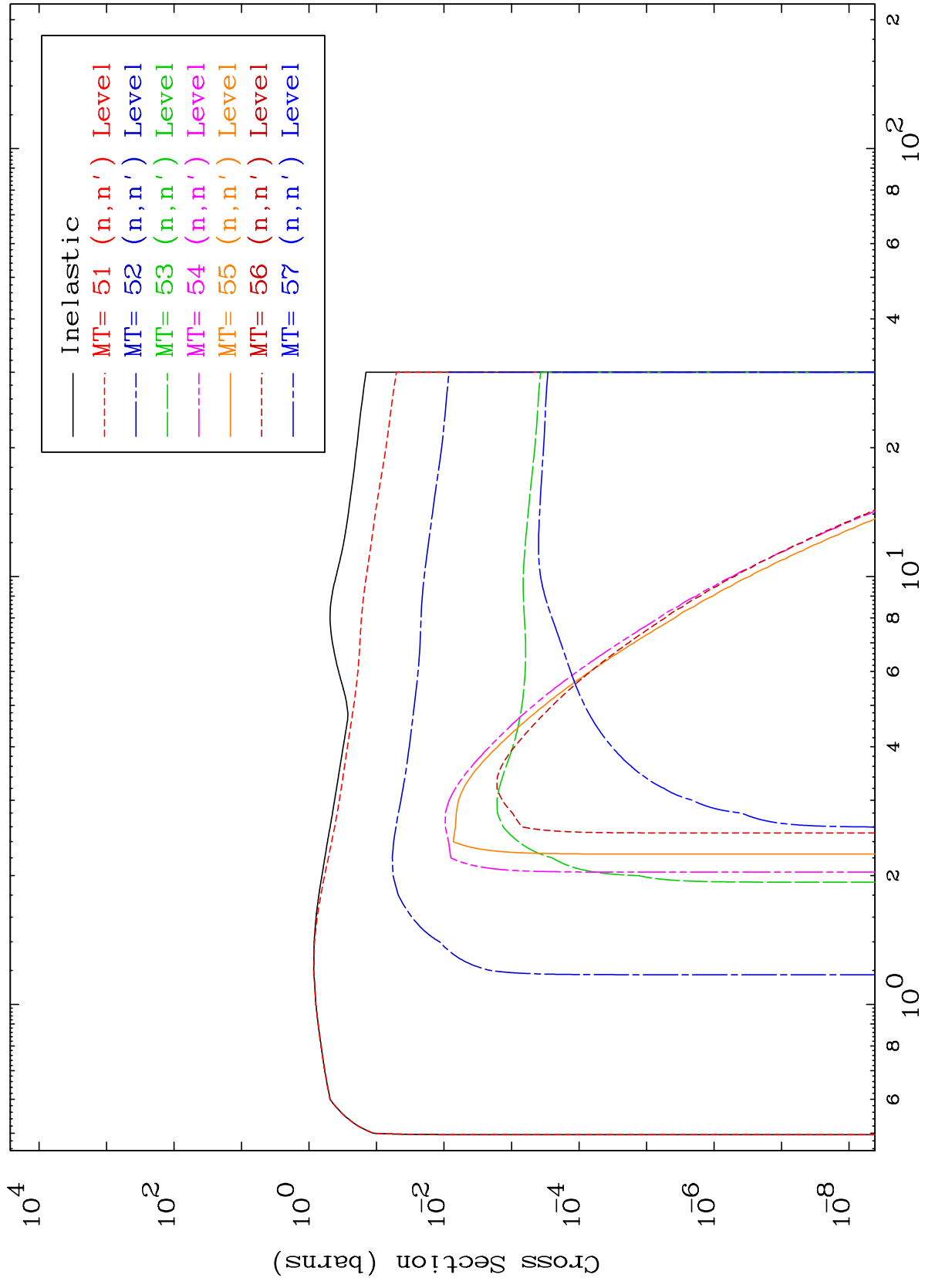
66-Dy-144



MAT 6589

(n,n') Level
293 Kelvin Cross Sections

66-Dy-144



7

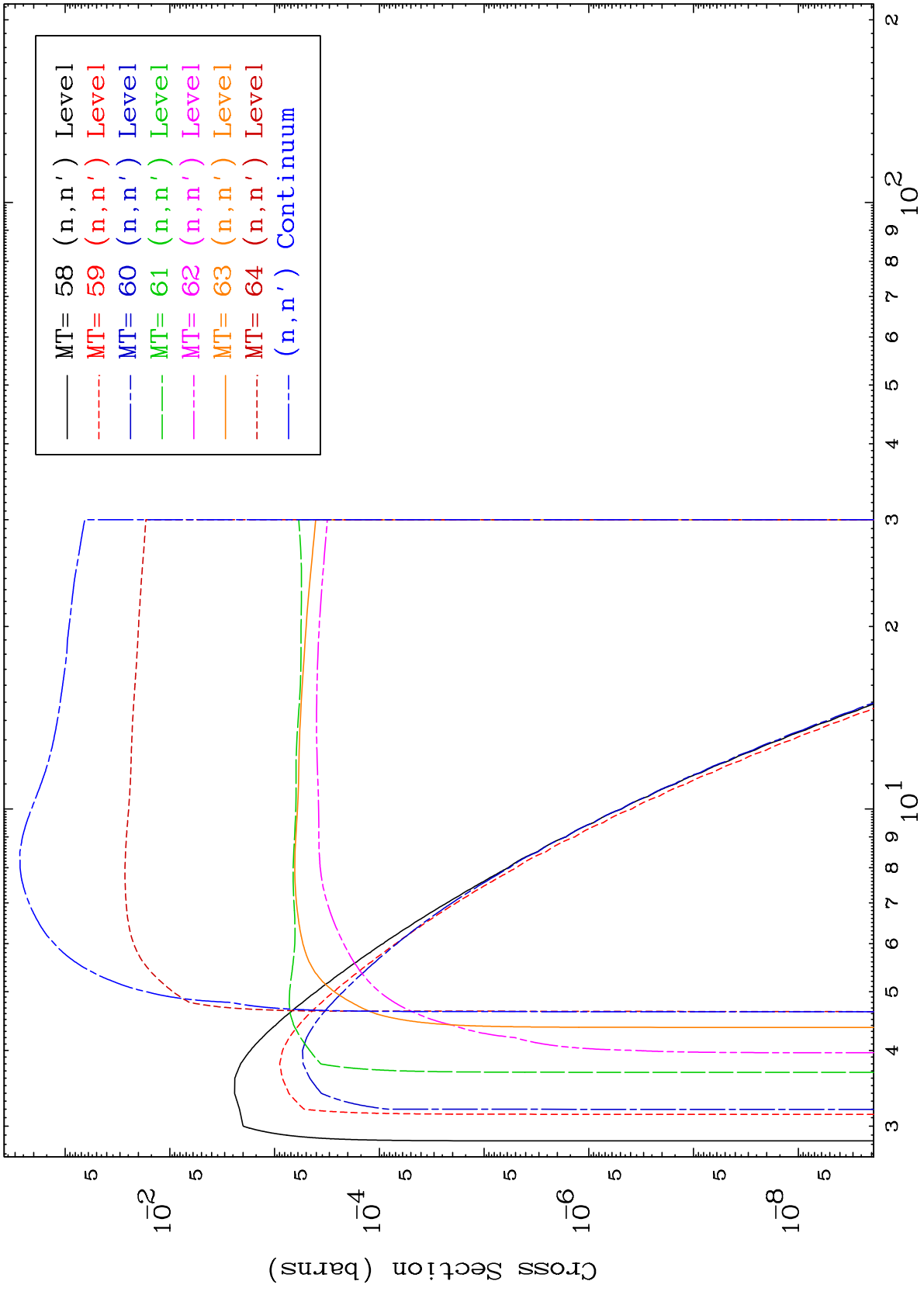
Incident Energy (MeV)

66-Dy-144

MAT 6589

(n,n') Level
293 Kelvin Cross Sections

66-Dy-144



8

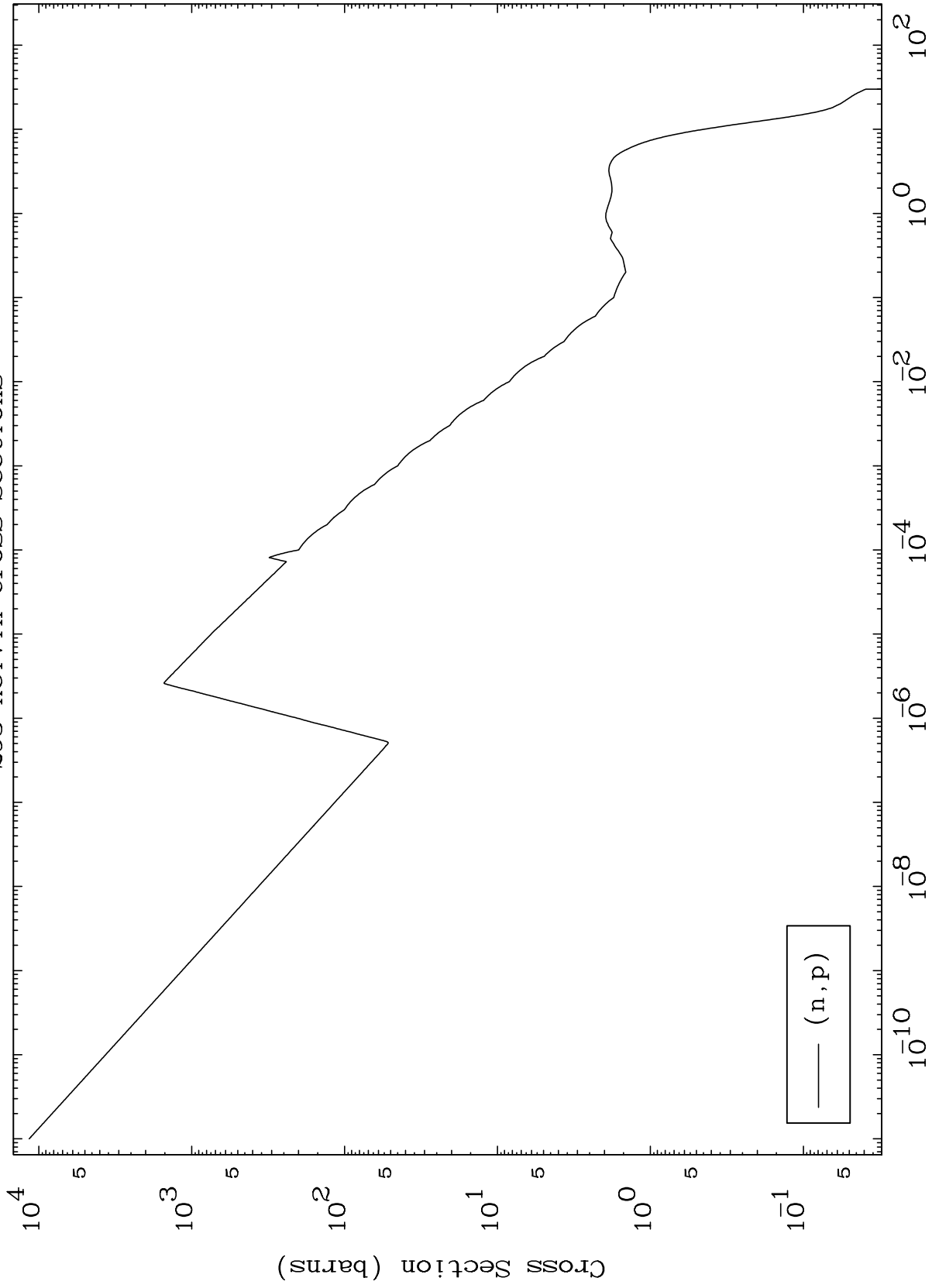
Incident Energy (MeV)

66-Dy-144

MAT 6589

(n,p) Levels
293 Kelvin Cross Sections

66-Dy-144

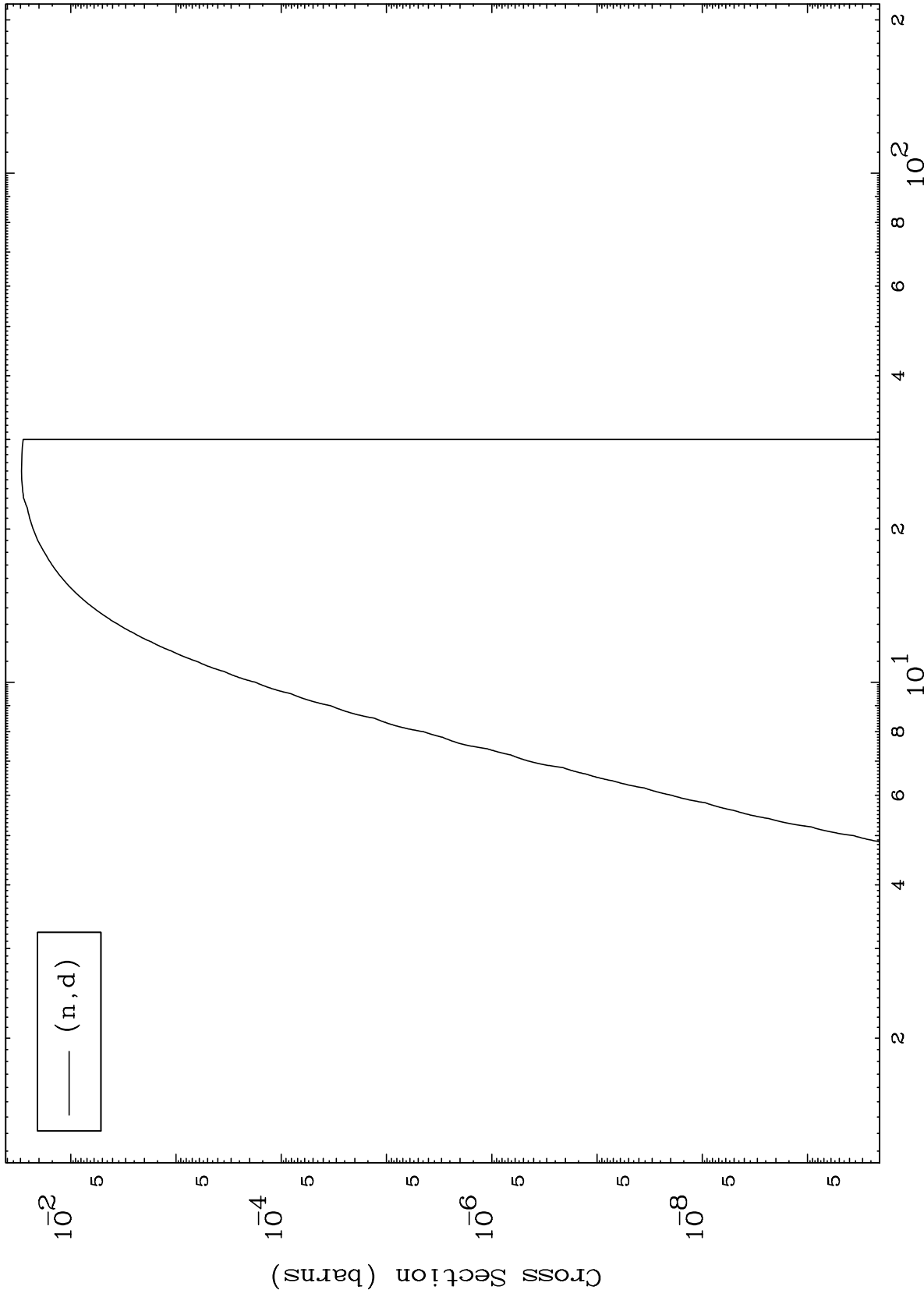


66-Dy-144

MAT 6589

(n,d) Levels
293 Kelvin Cross Sections

66-Dy-144



10

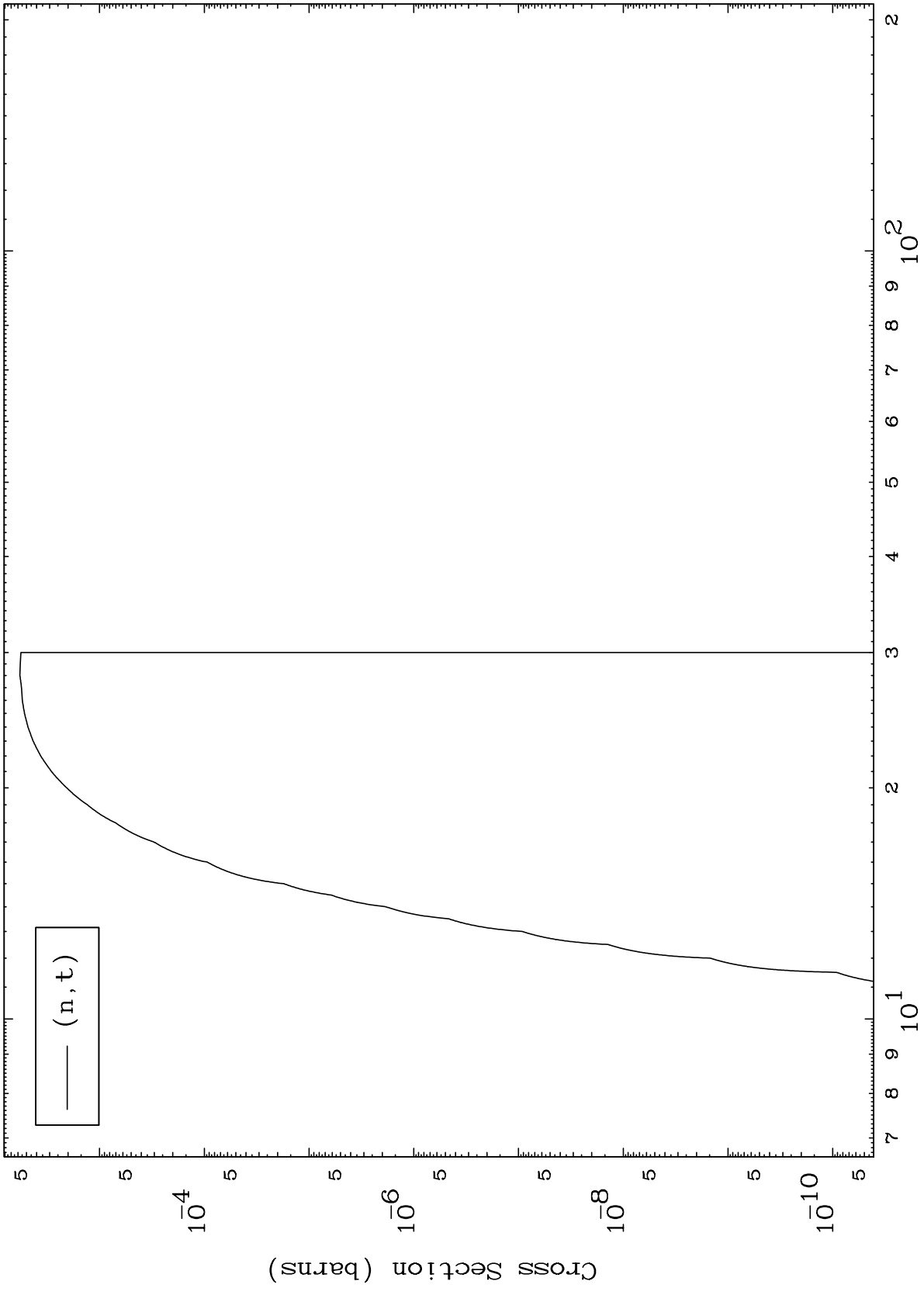
Incident Energy (MeV)

66-Dy-144

MAT 6589

(n,t) Levels
293 Kelvin Cross Sections

66-Dy-144



11

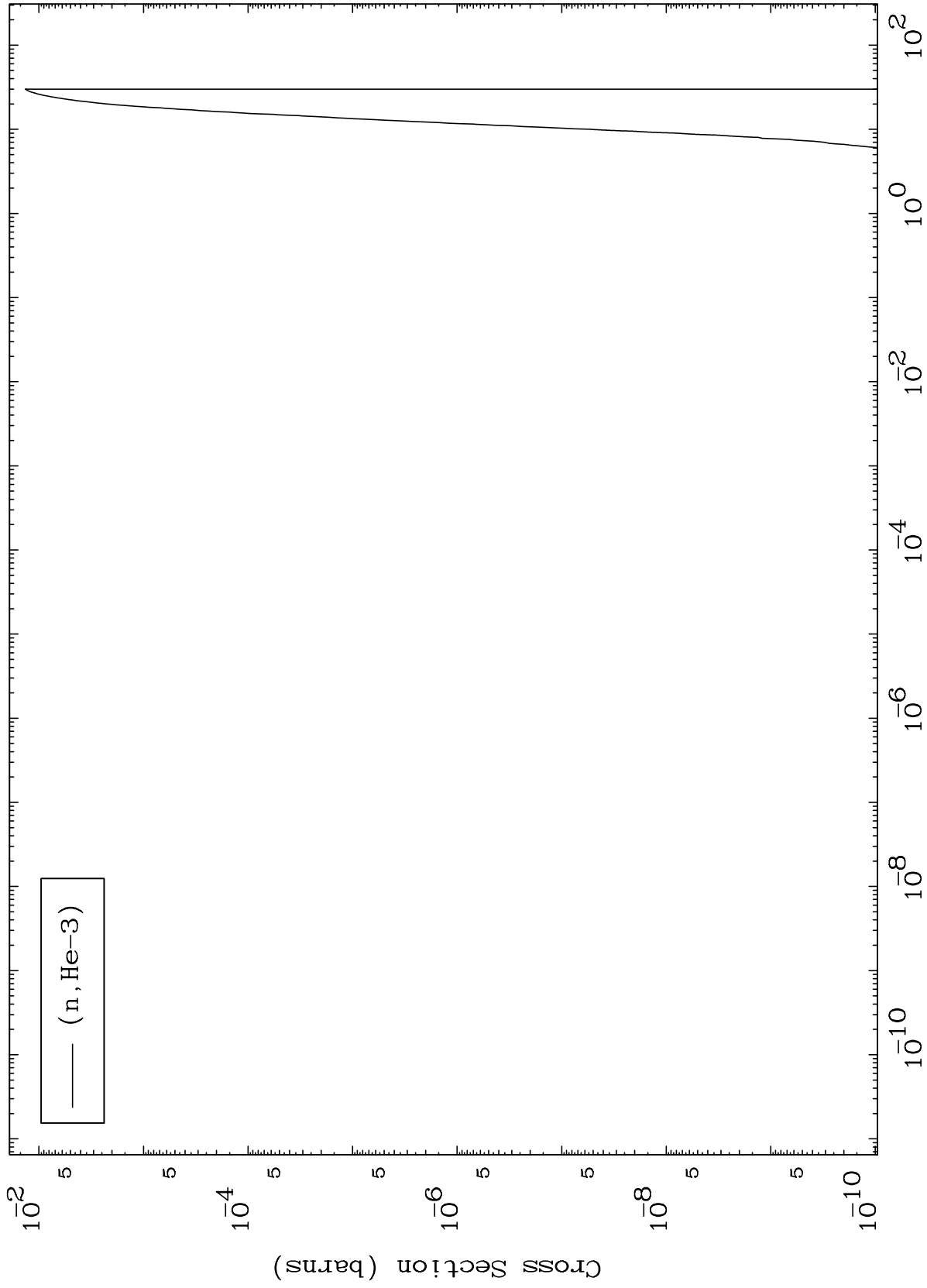
Incident Energy (MeV)

66-Dy-144

MAT 6589

(n,He3) Levels
293 Kelvin Cross Sections

66-Dy-144



12

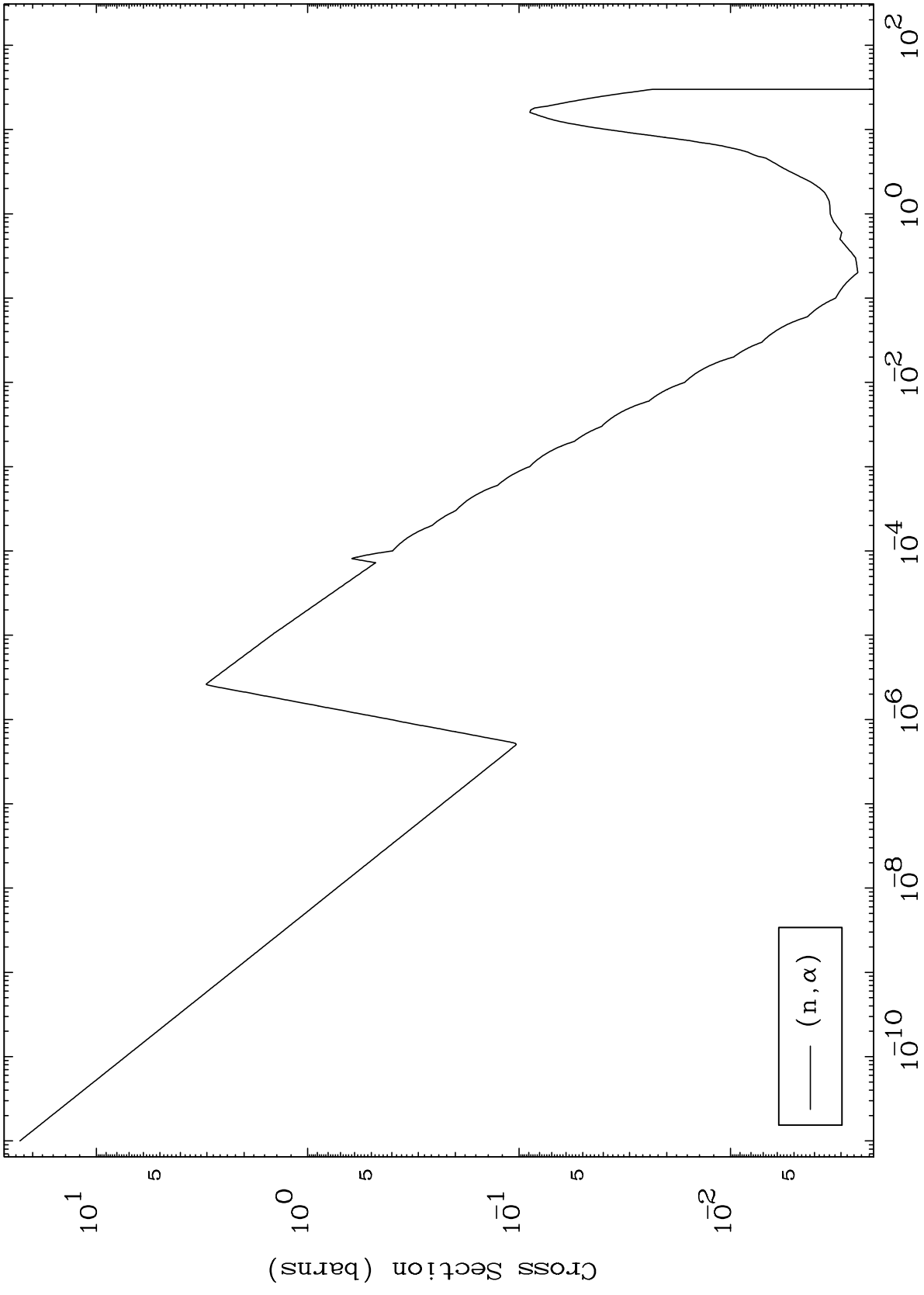
Incident Energy (MeV)

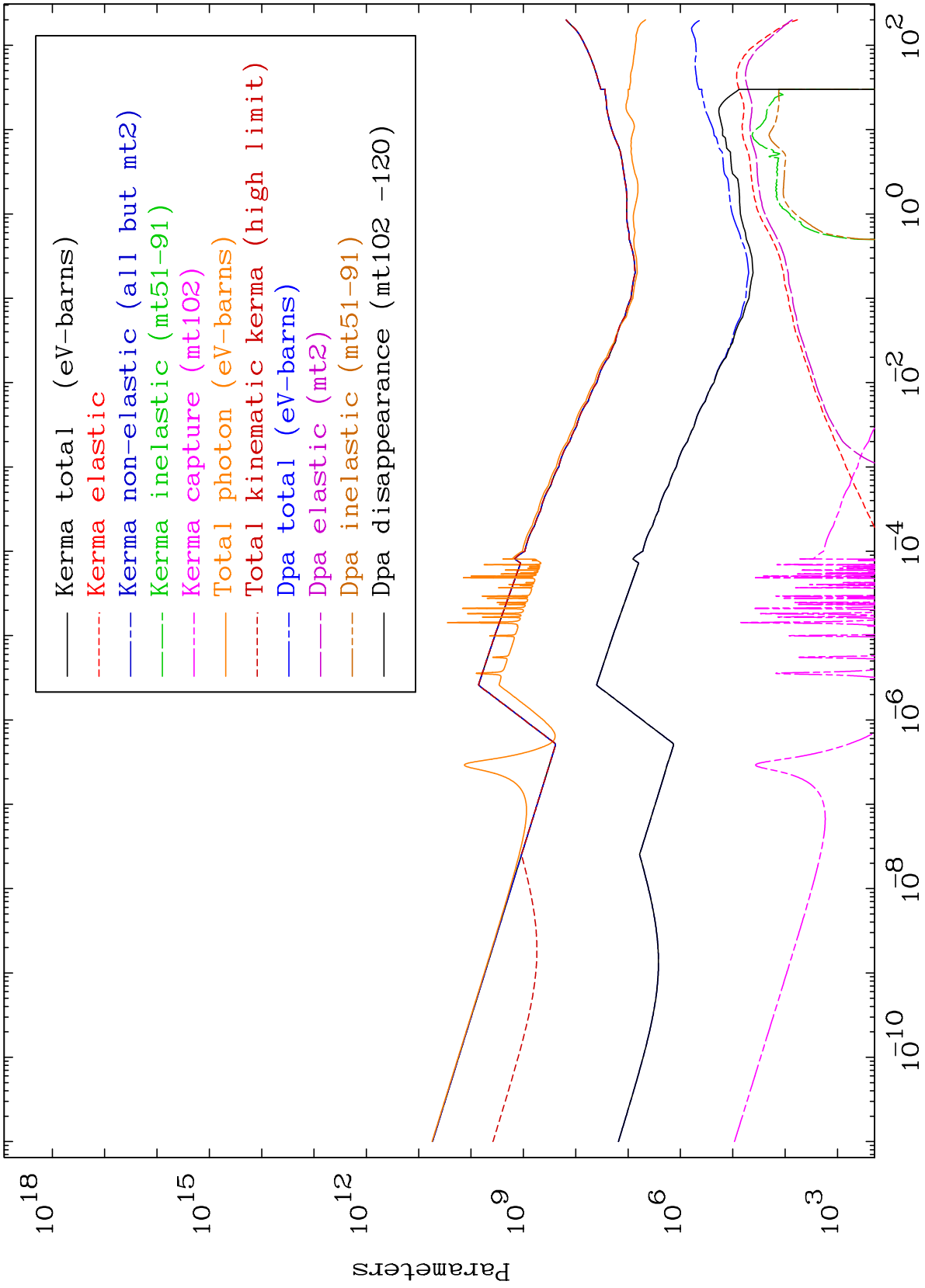
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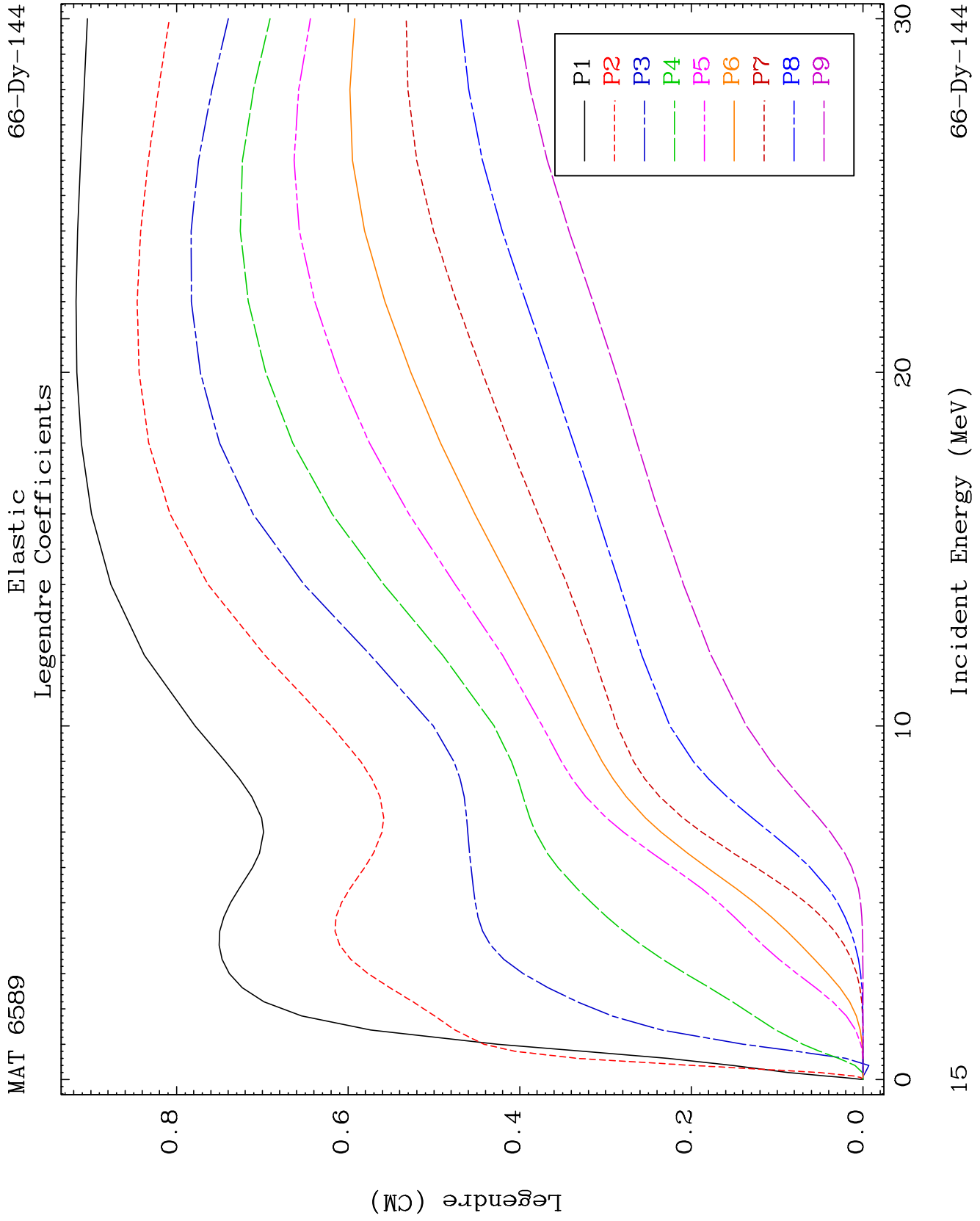
MAT 6589

(n, α) Levels
293 Kelvin Cross Sections

66-Dy-144



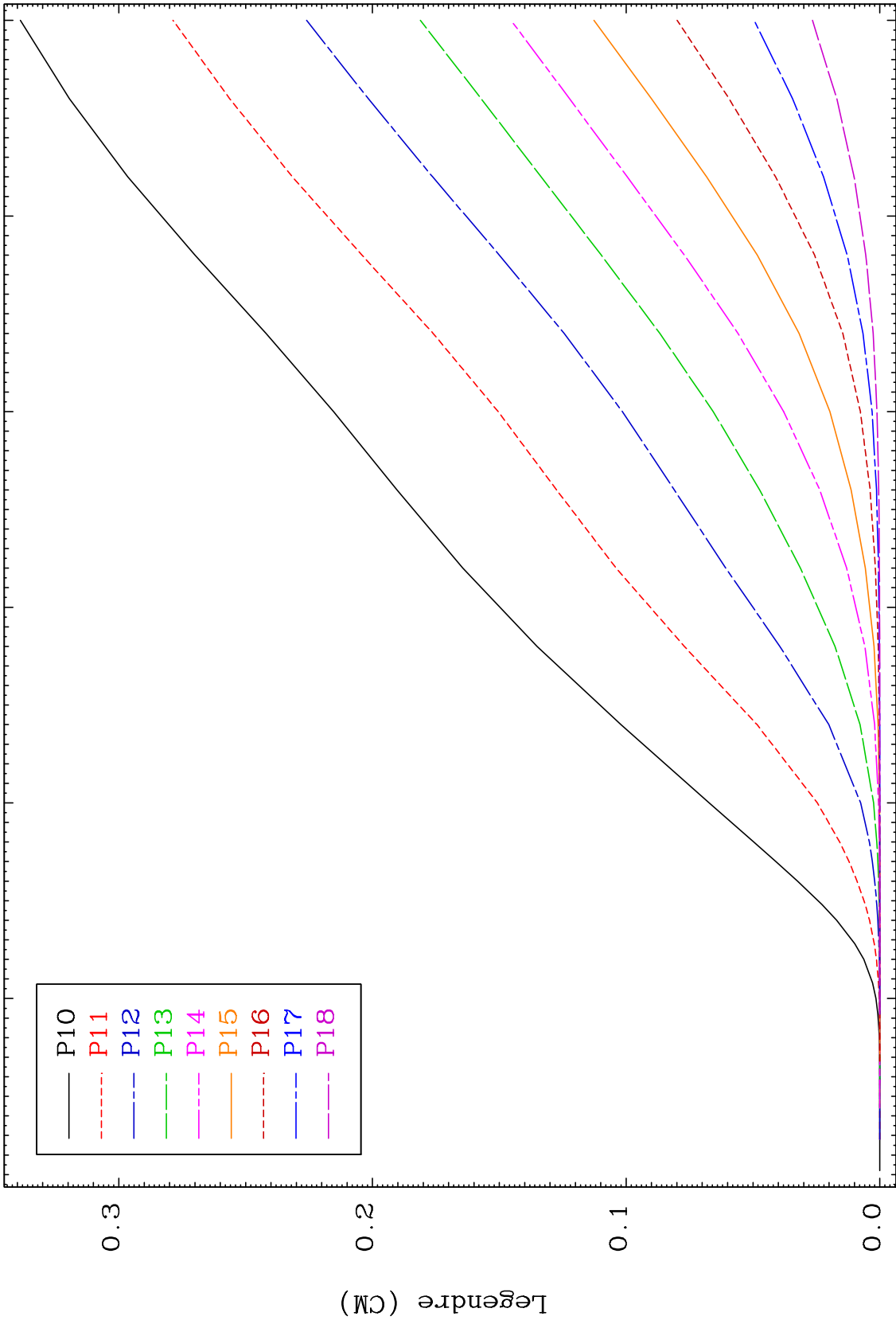




MAT 6589

Elastic Legendre Coefficients

66-Dy-144



16

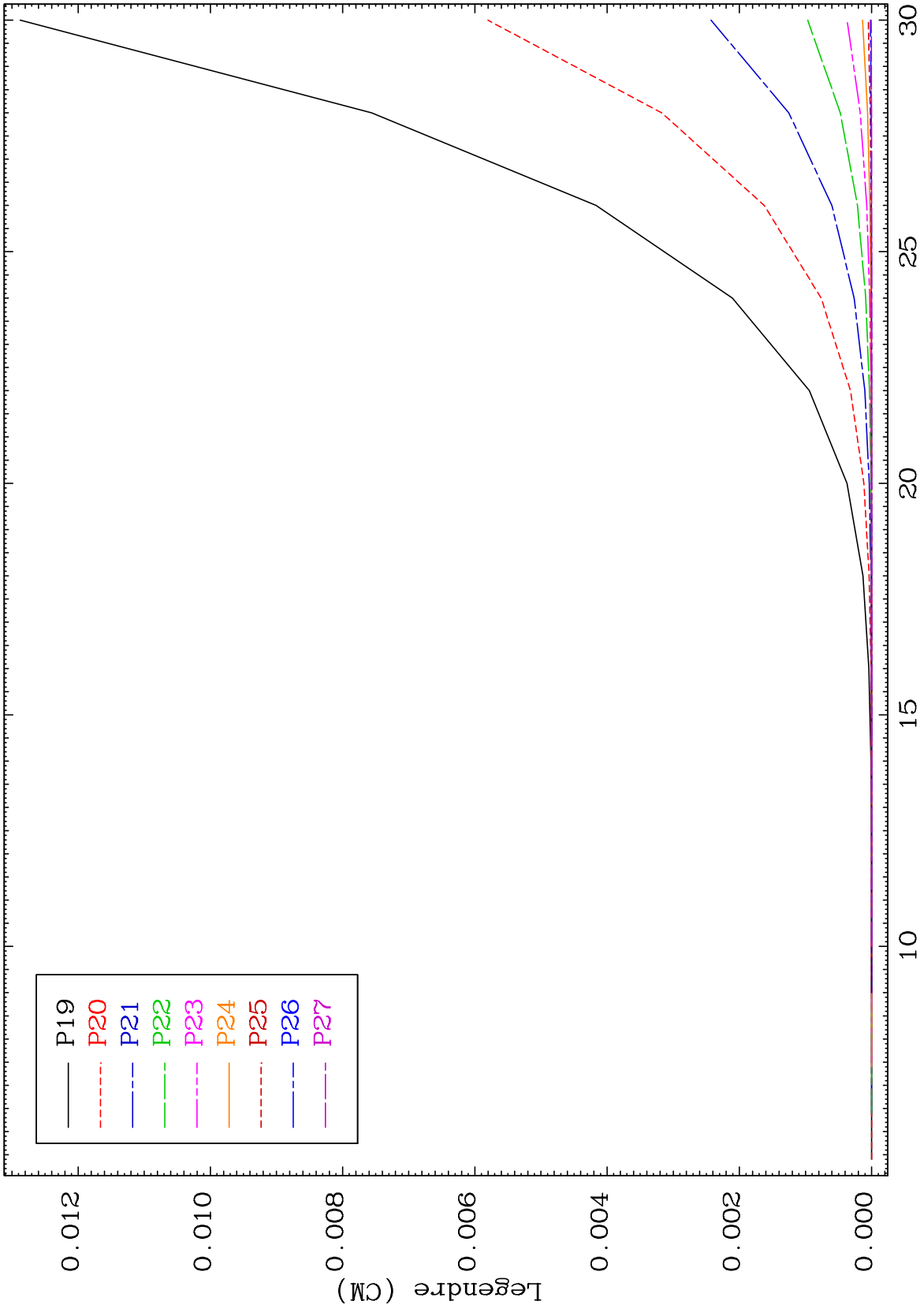
Incident Energy (MeV)

66-Dy-144

MAT 6589

Elastic Legendre Coefficients

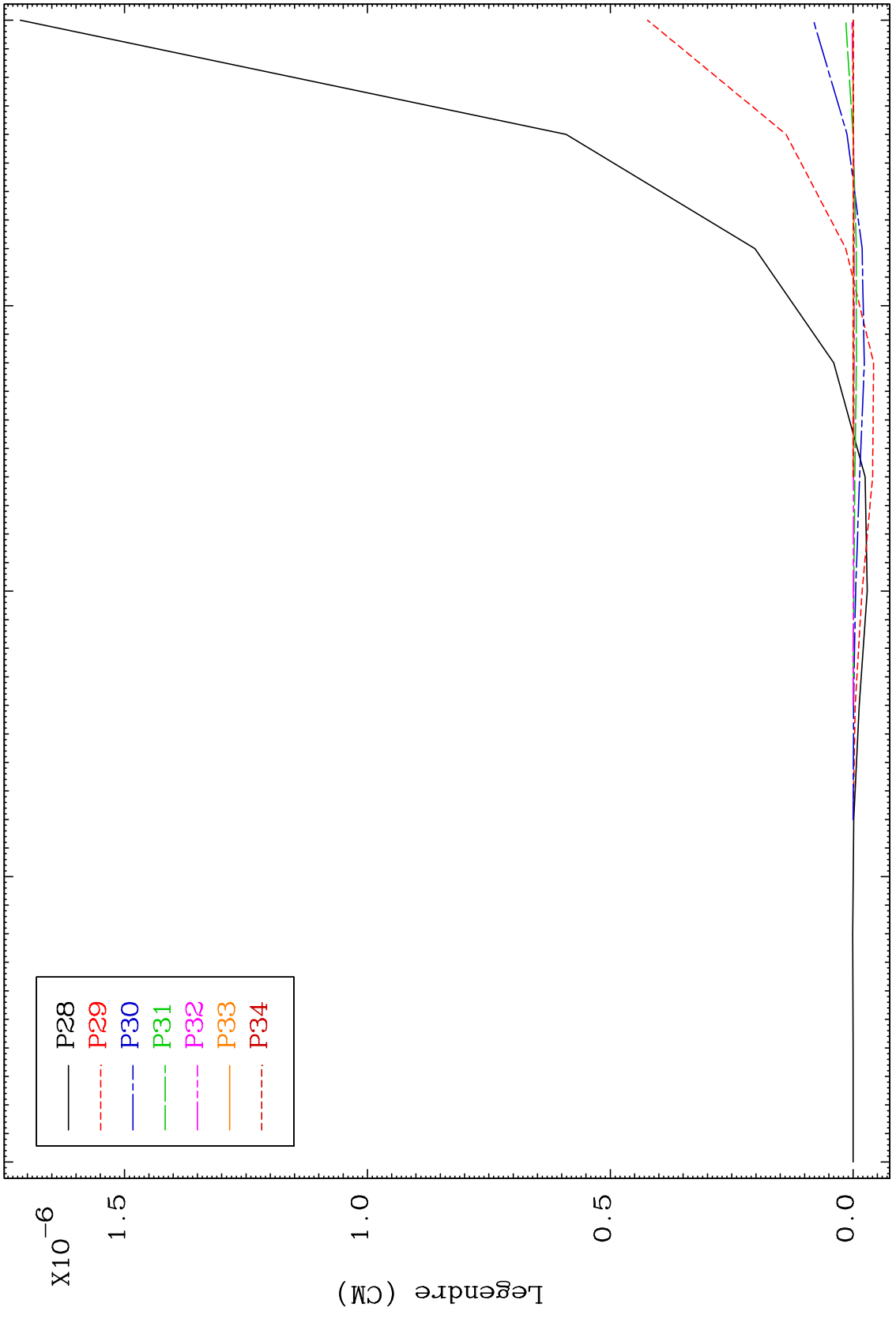
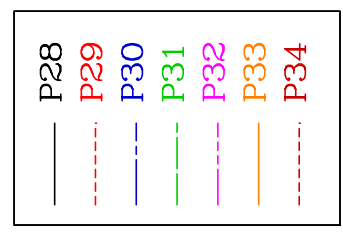
66-Dy-144



MAT 6589

Elastic Legendre Coefficients

66-Dy-144



18

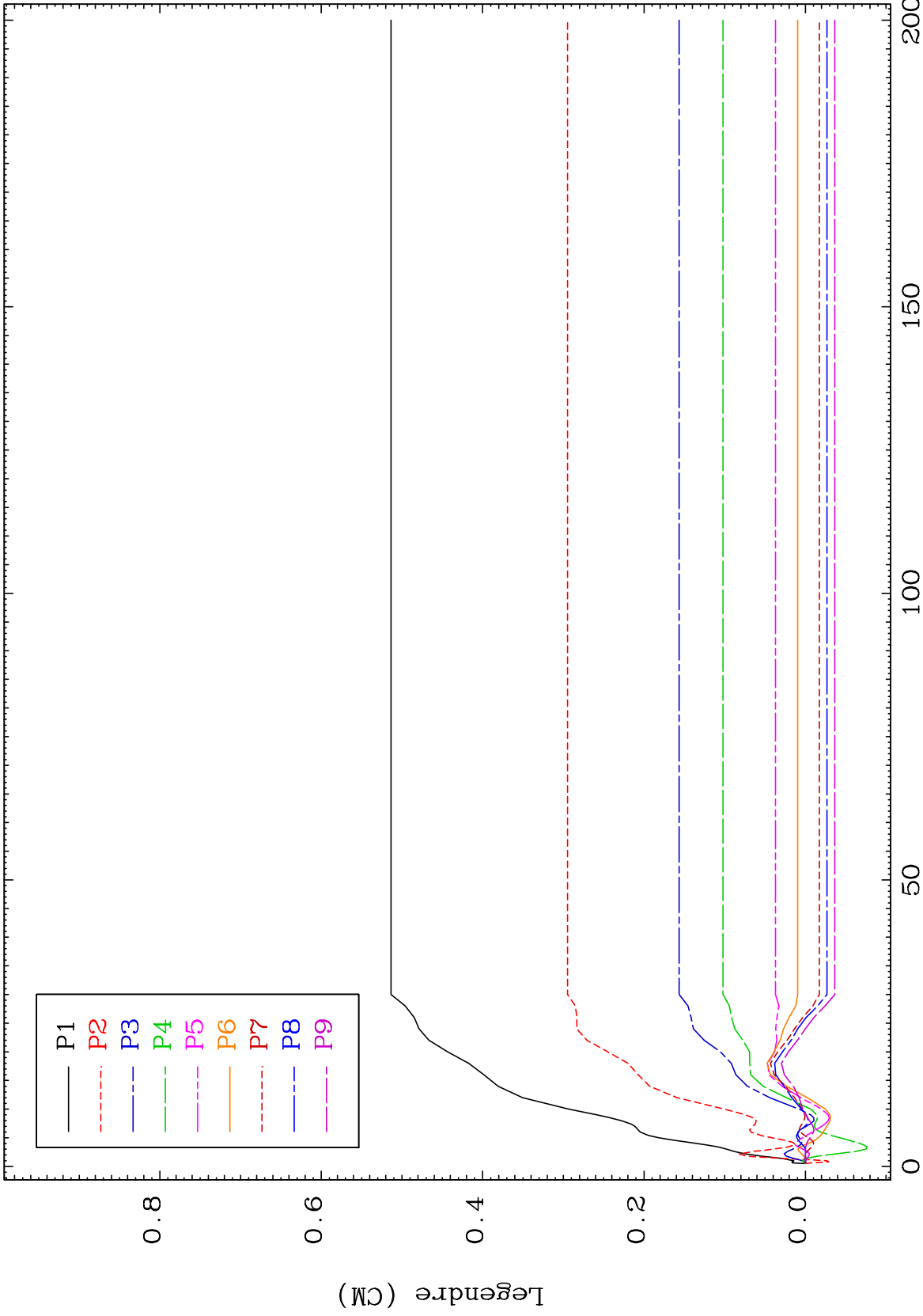
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



19

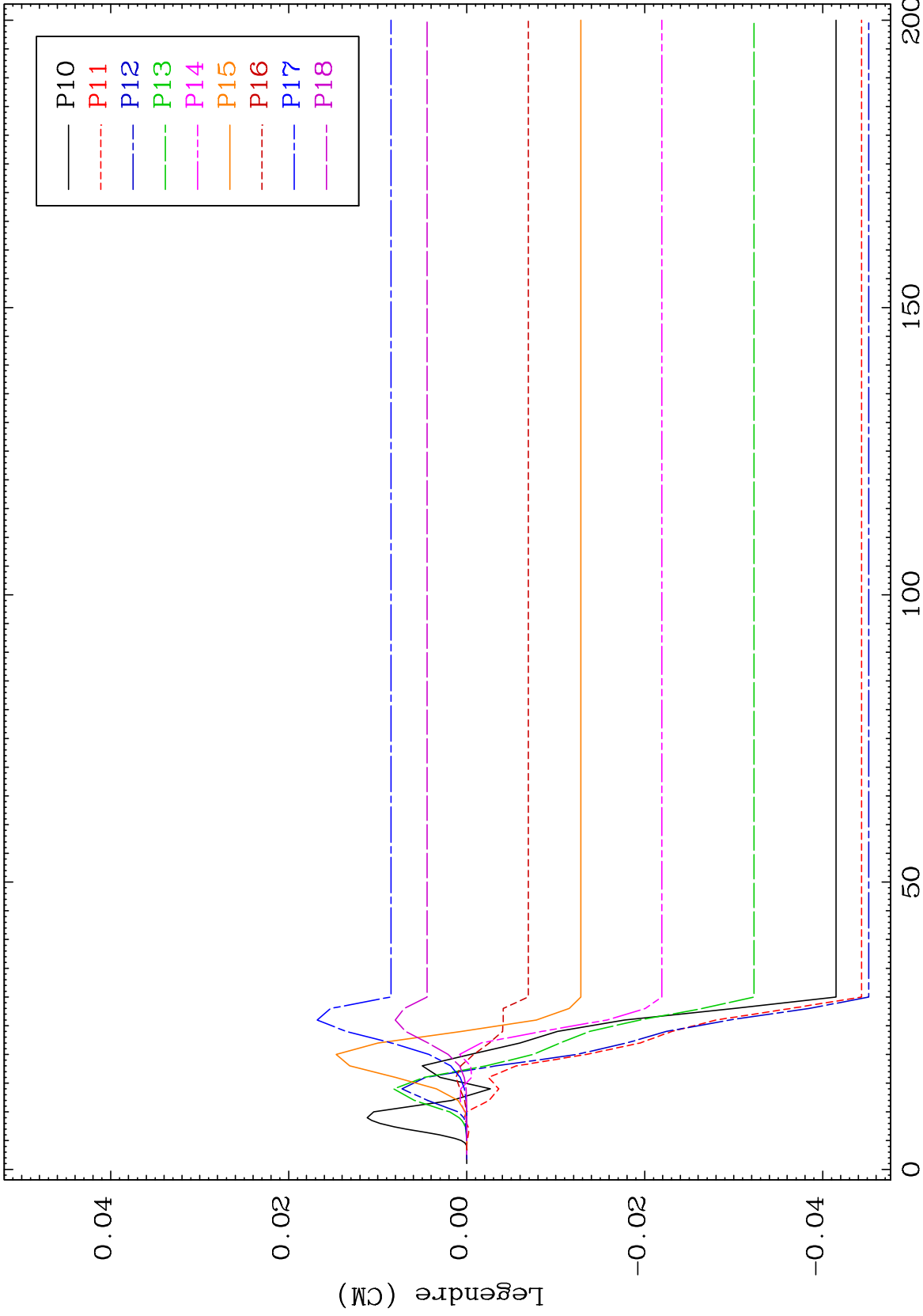
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



20

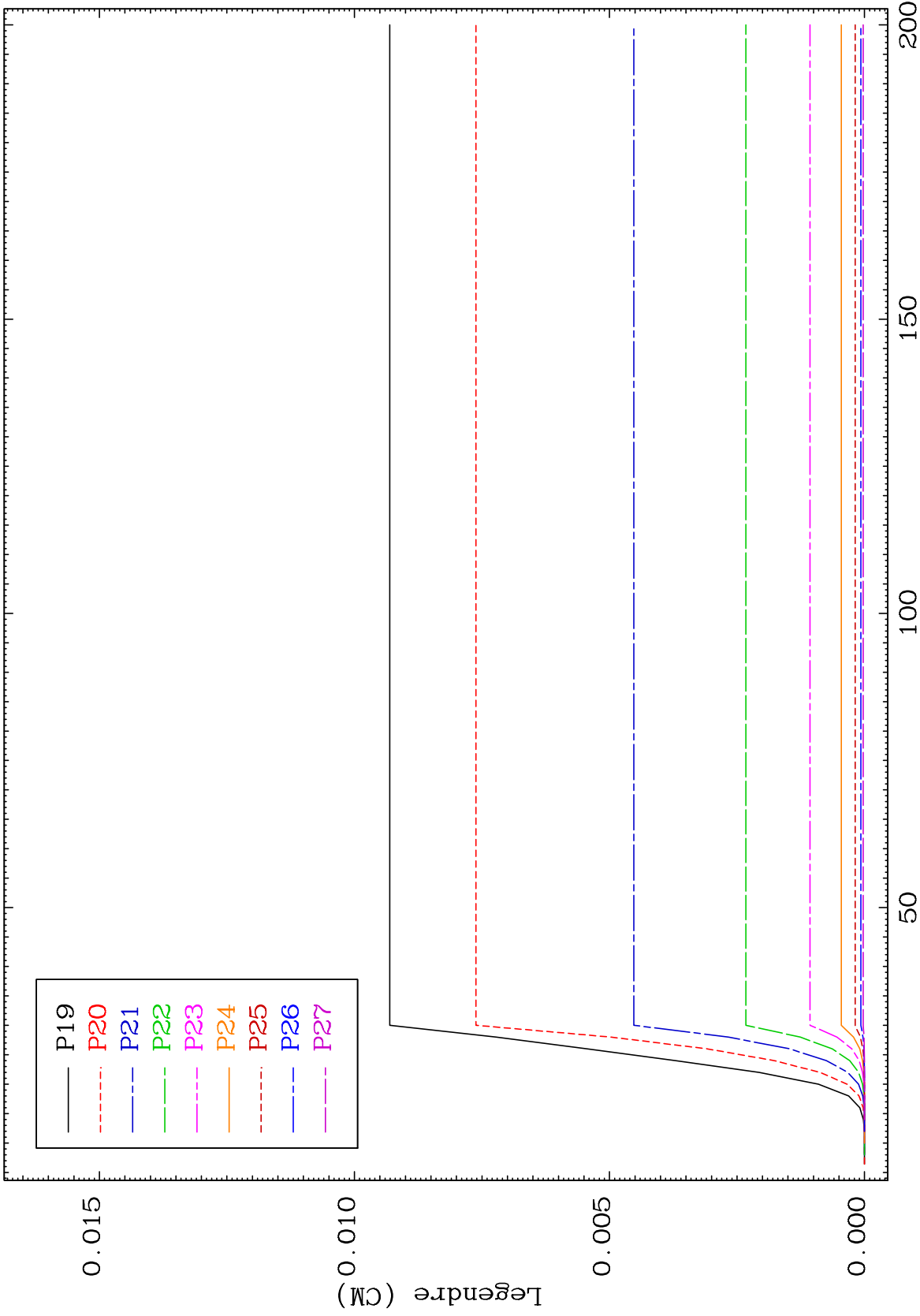
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



21

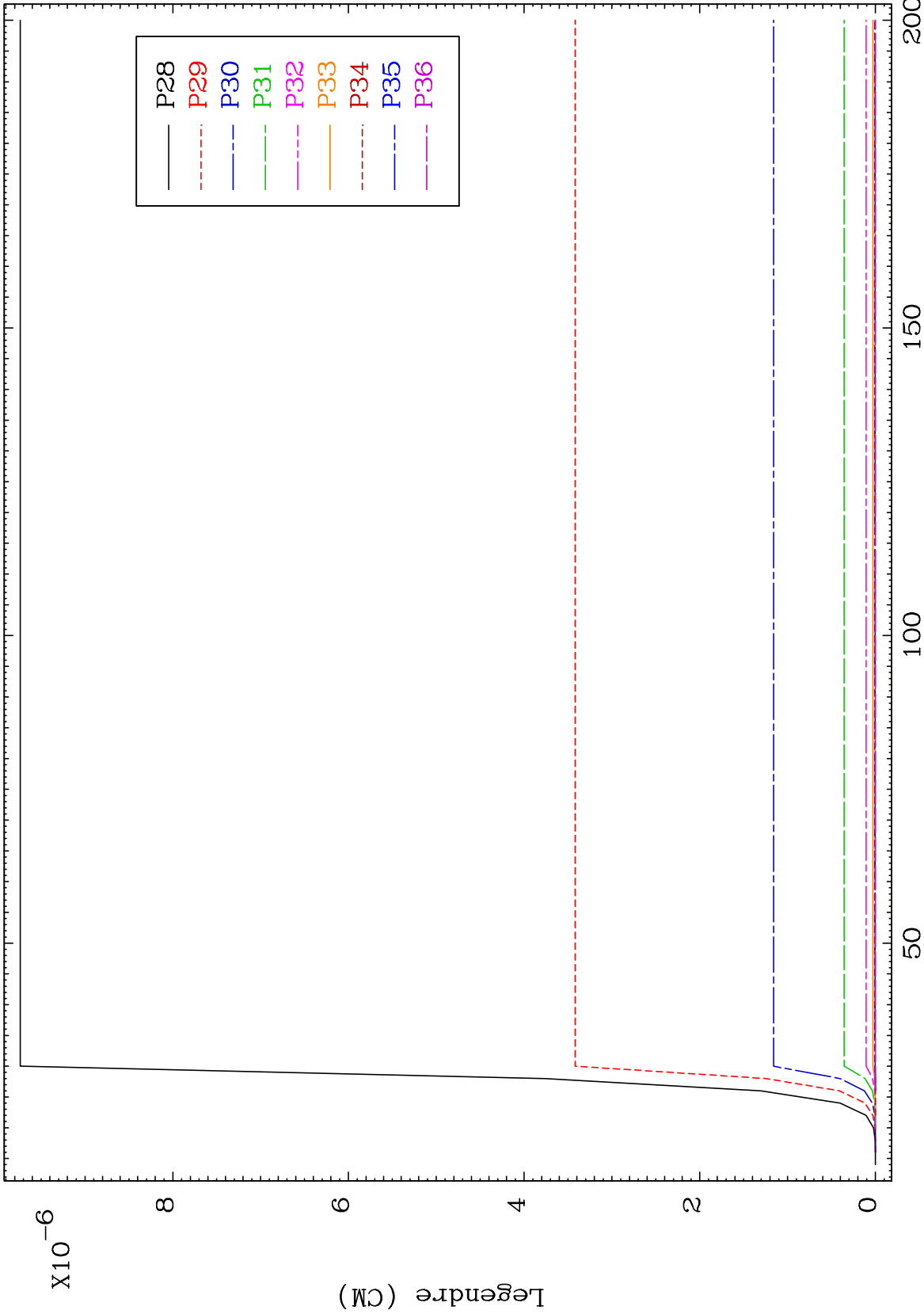
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



22

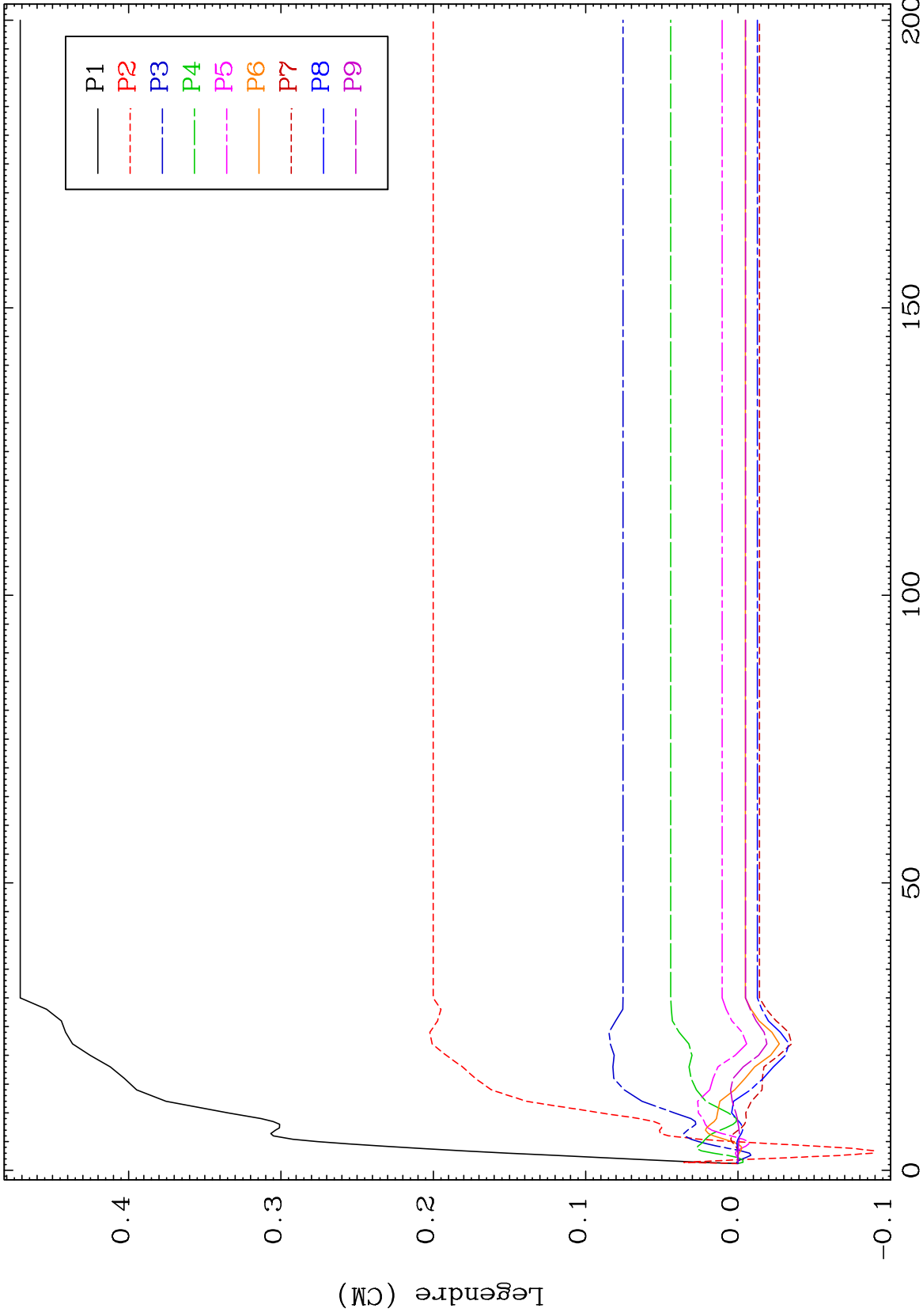
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



23

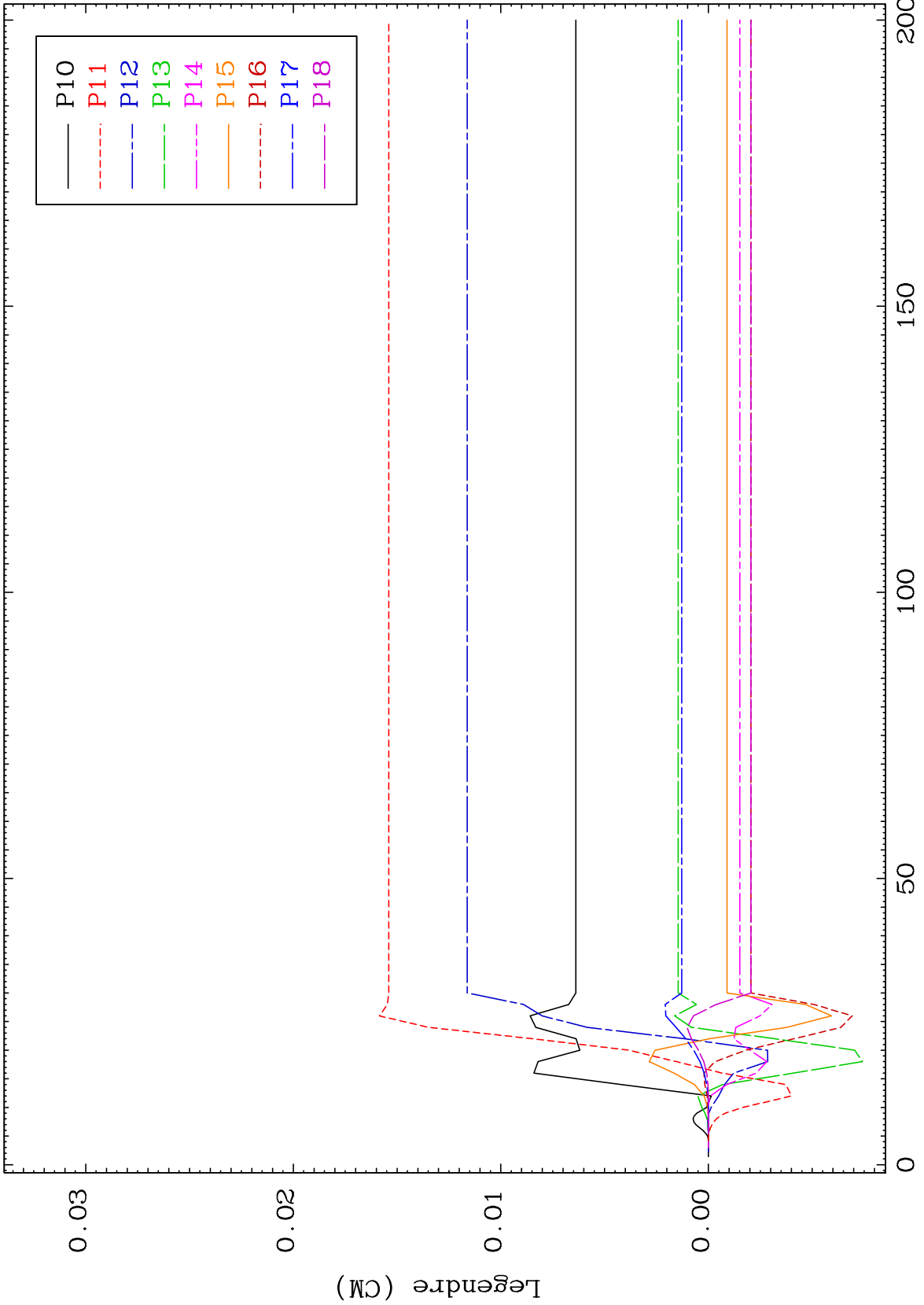
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



24

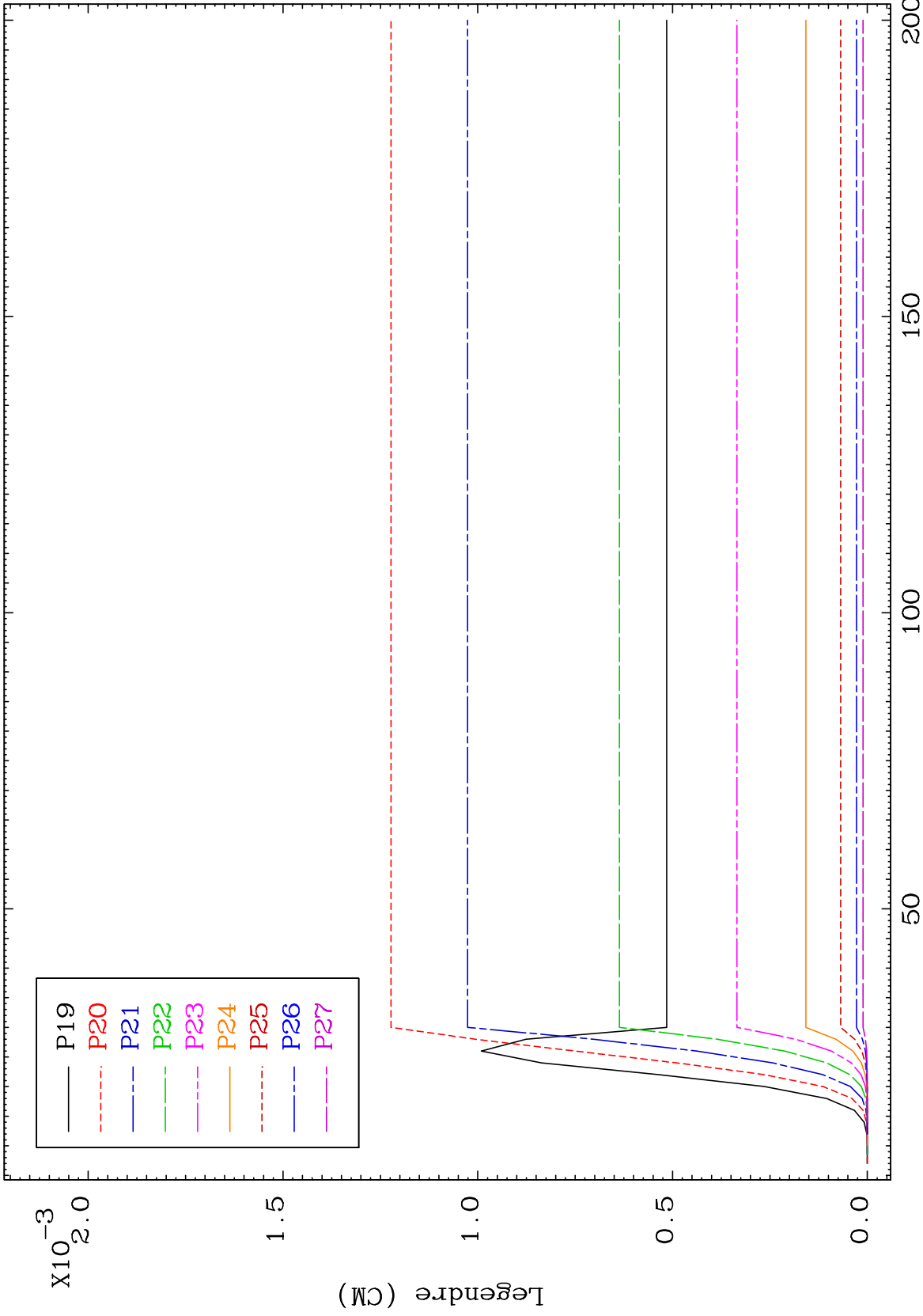
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



25

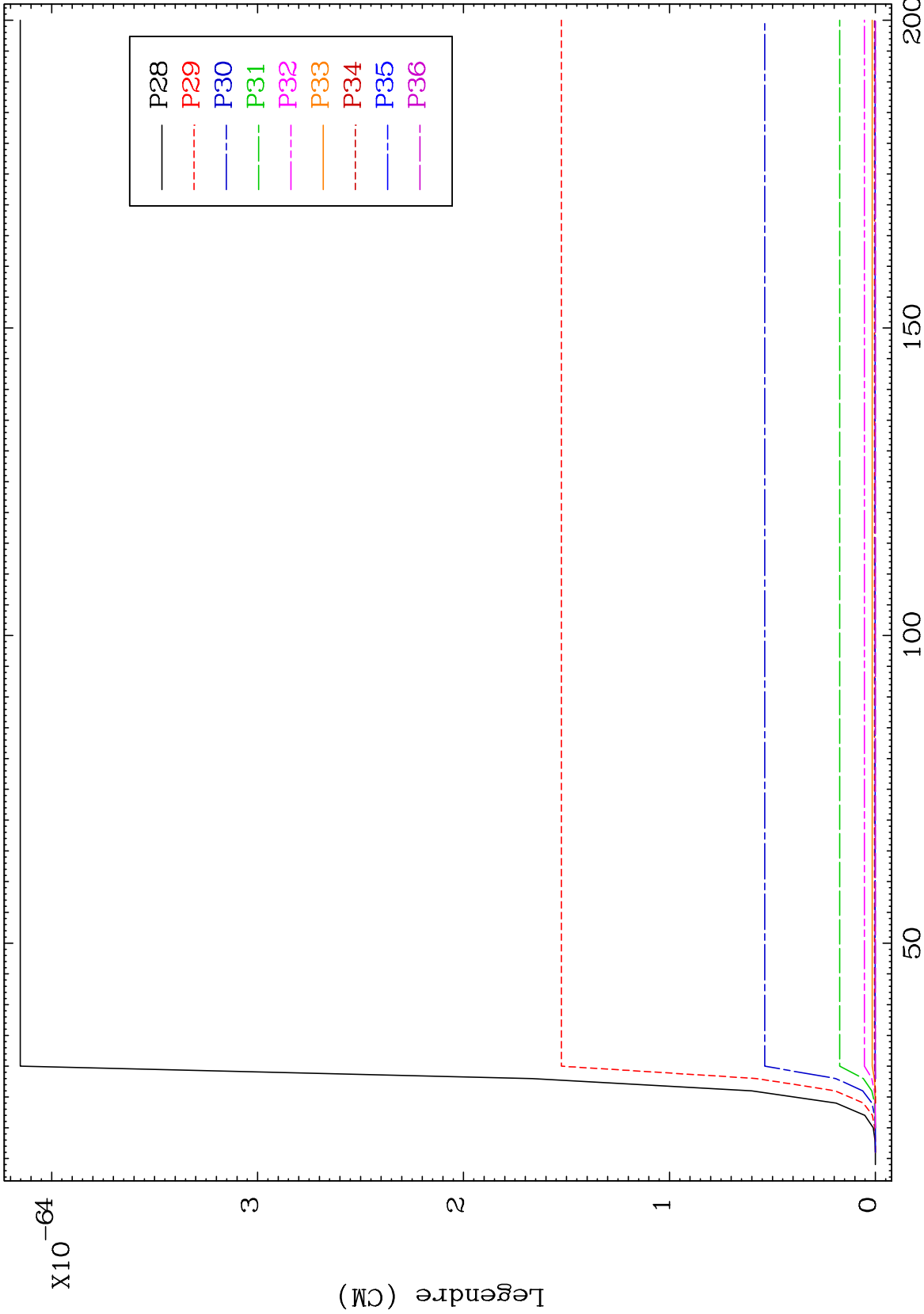
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



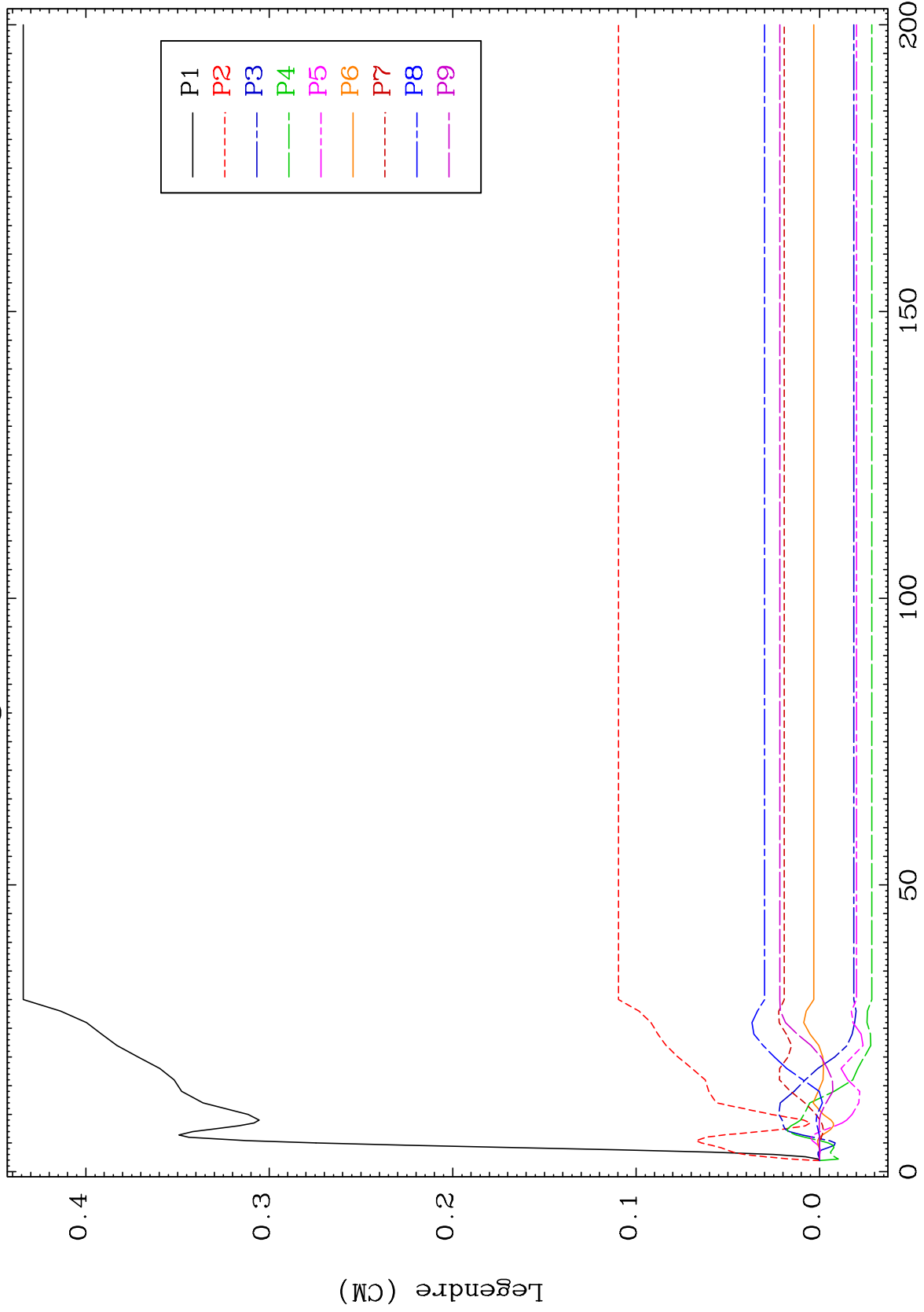
26

66-Dy-144

MAT 6589

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

66-Dy-144



27

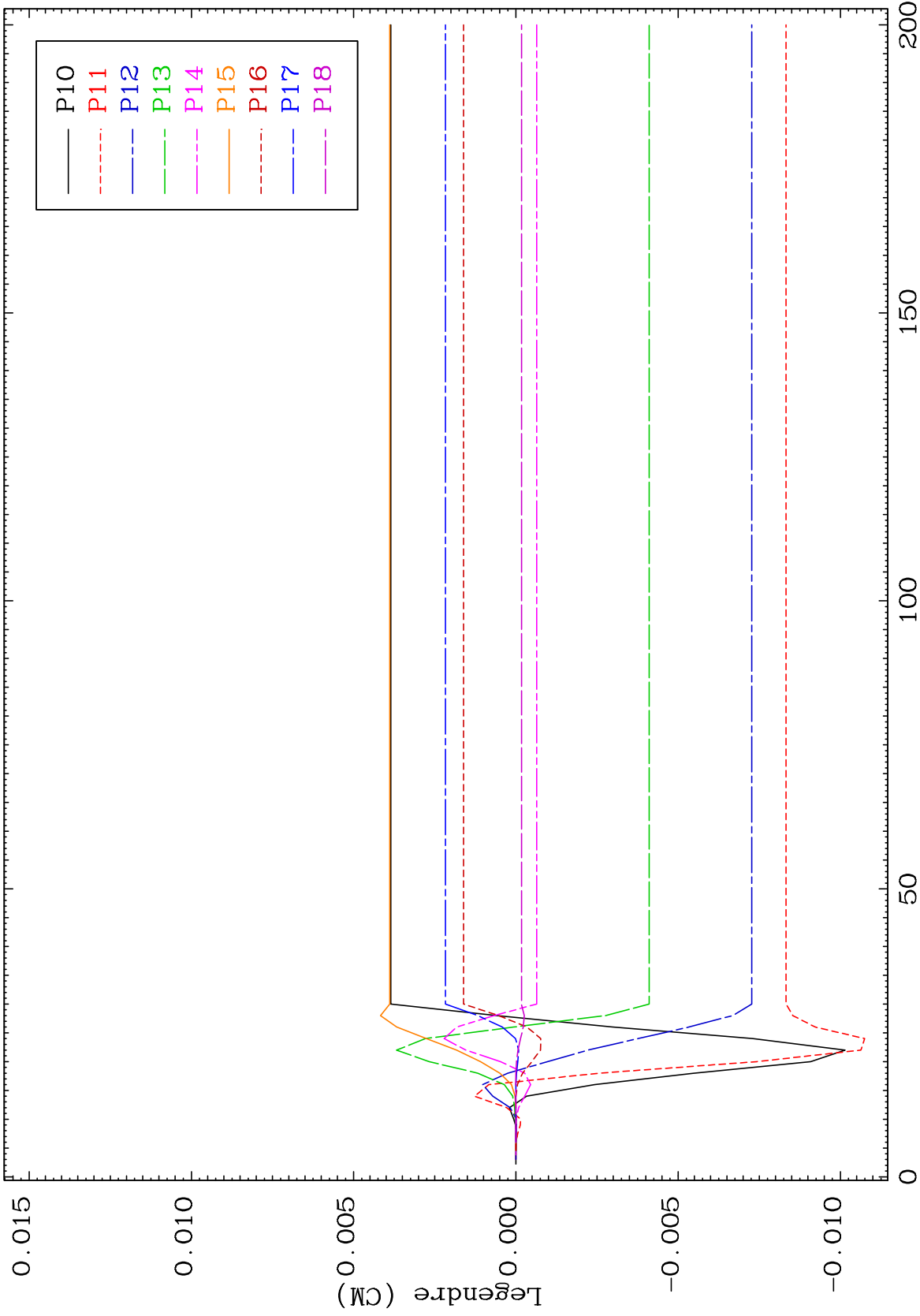
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



28

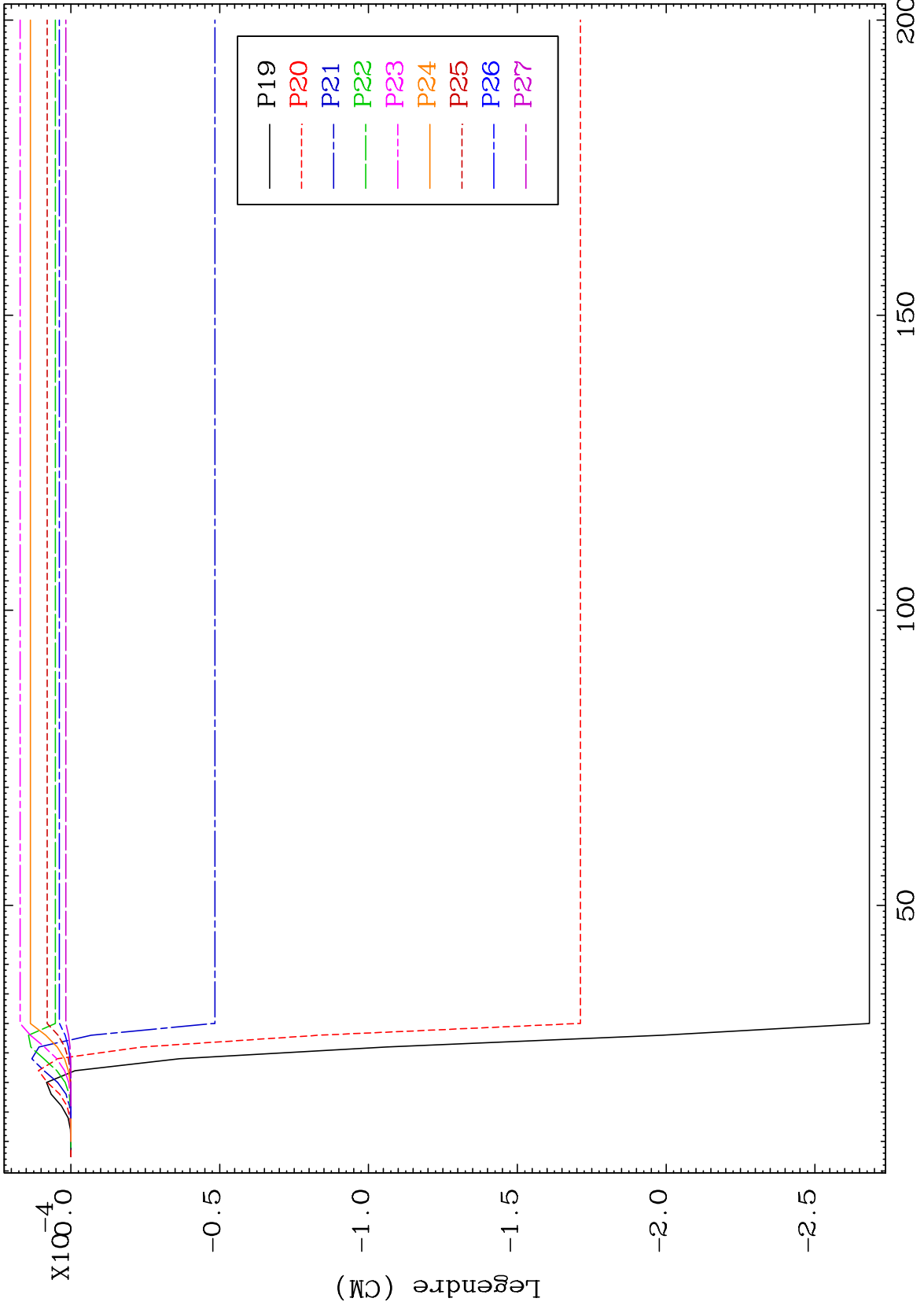
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



66-Dy-144

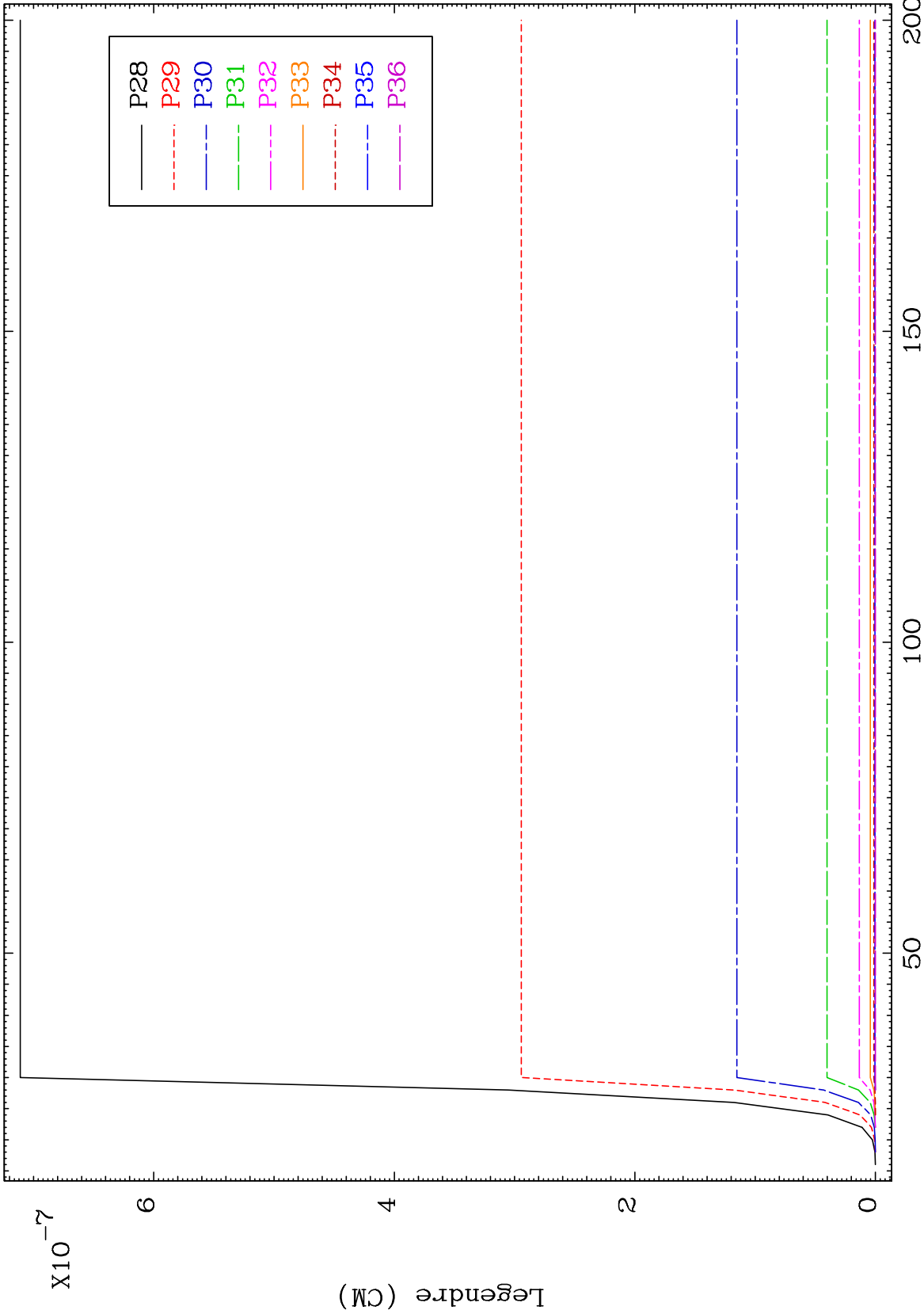
Incident Energy (MeV)

29

MAT 6589

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

66-Dy-144

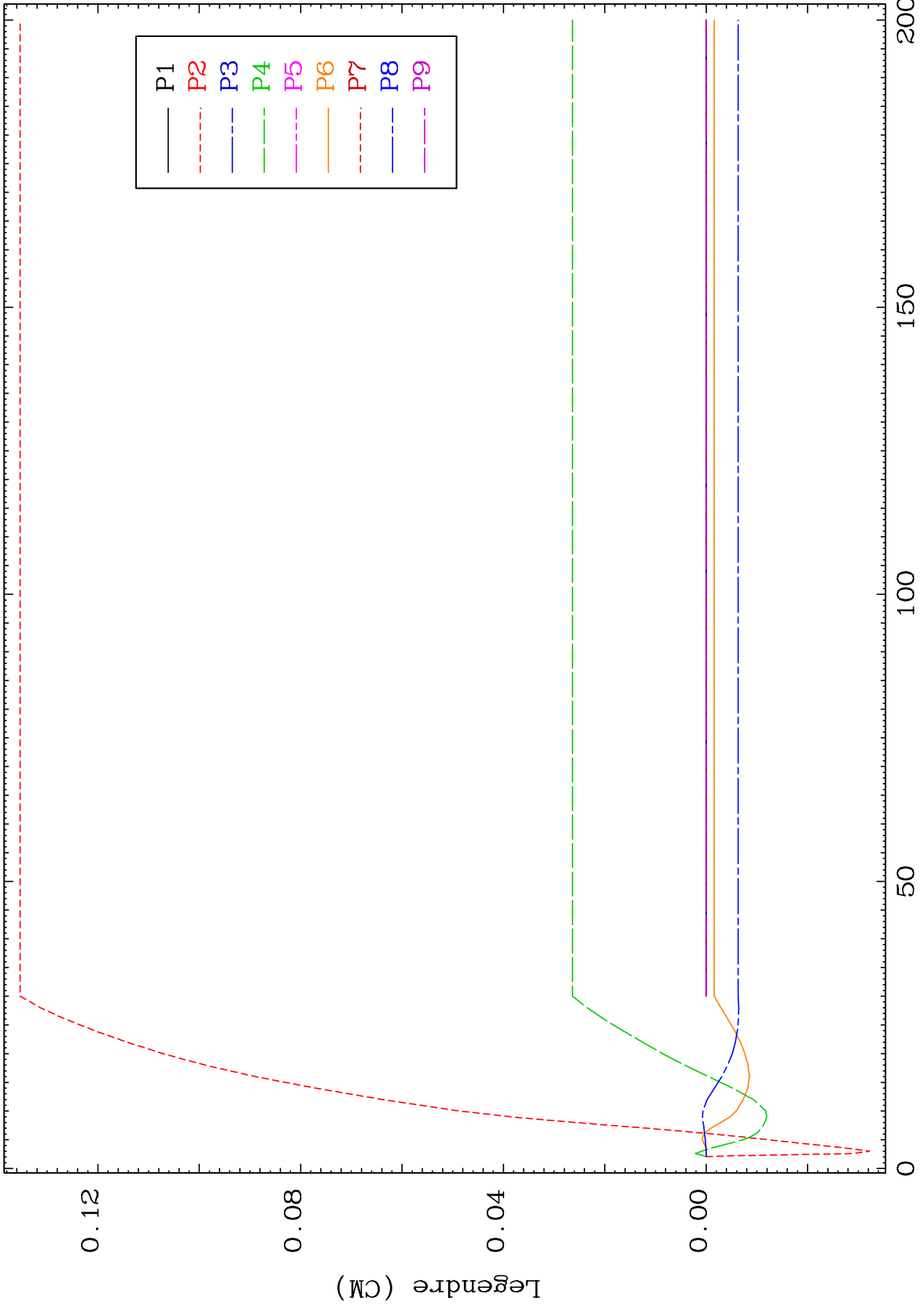


30

Incident Energy (MeV)

66-Dy-144

MAT 6589 MT= 54 (n,n') Level Legendre Coefficients 66-Dy-144

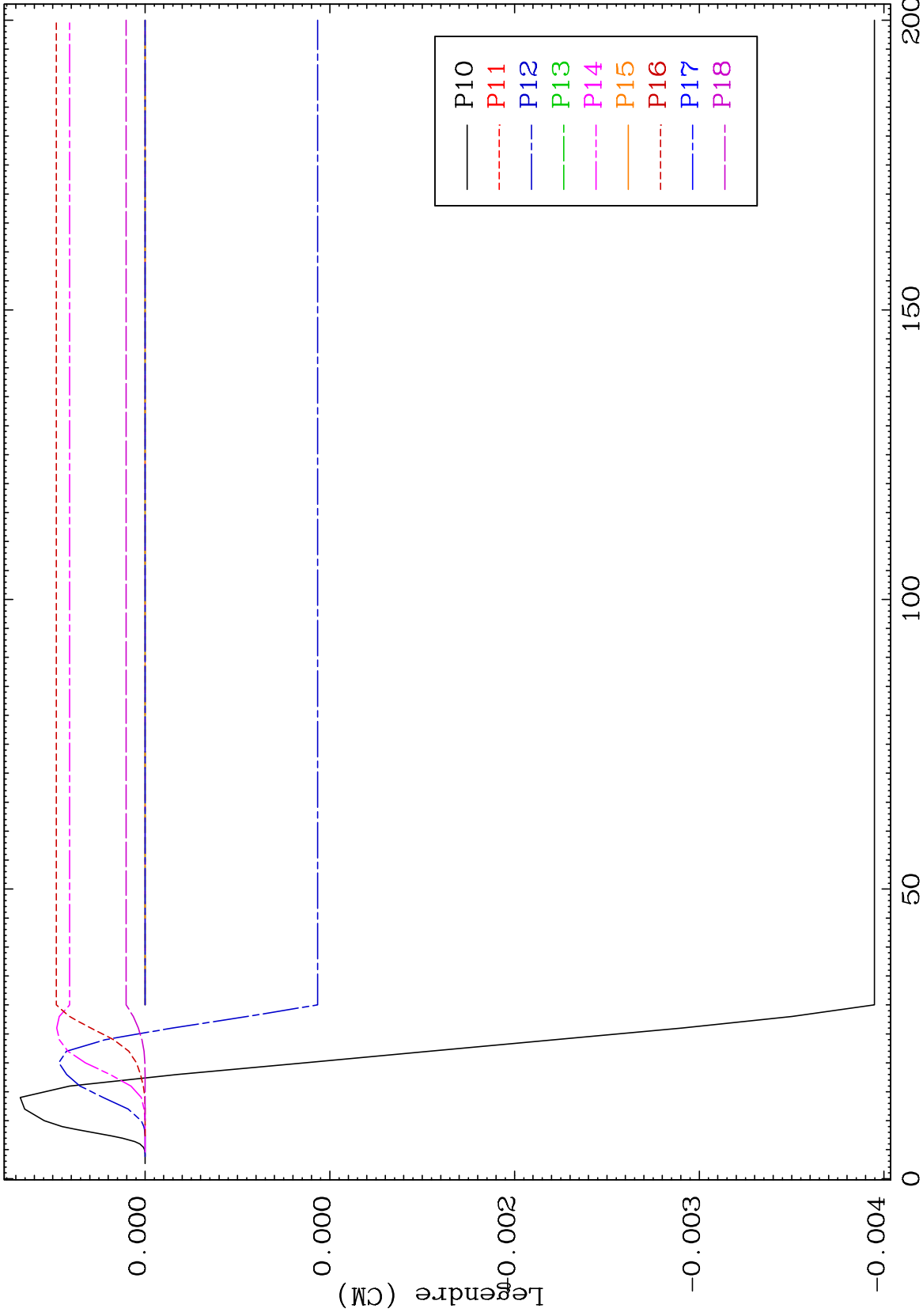


31 Incident Energy (MeV) 66-Dy-144

MAT 6589

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

66-Dy-144



32

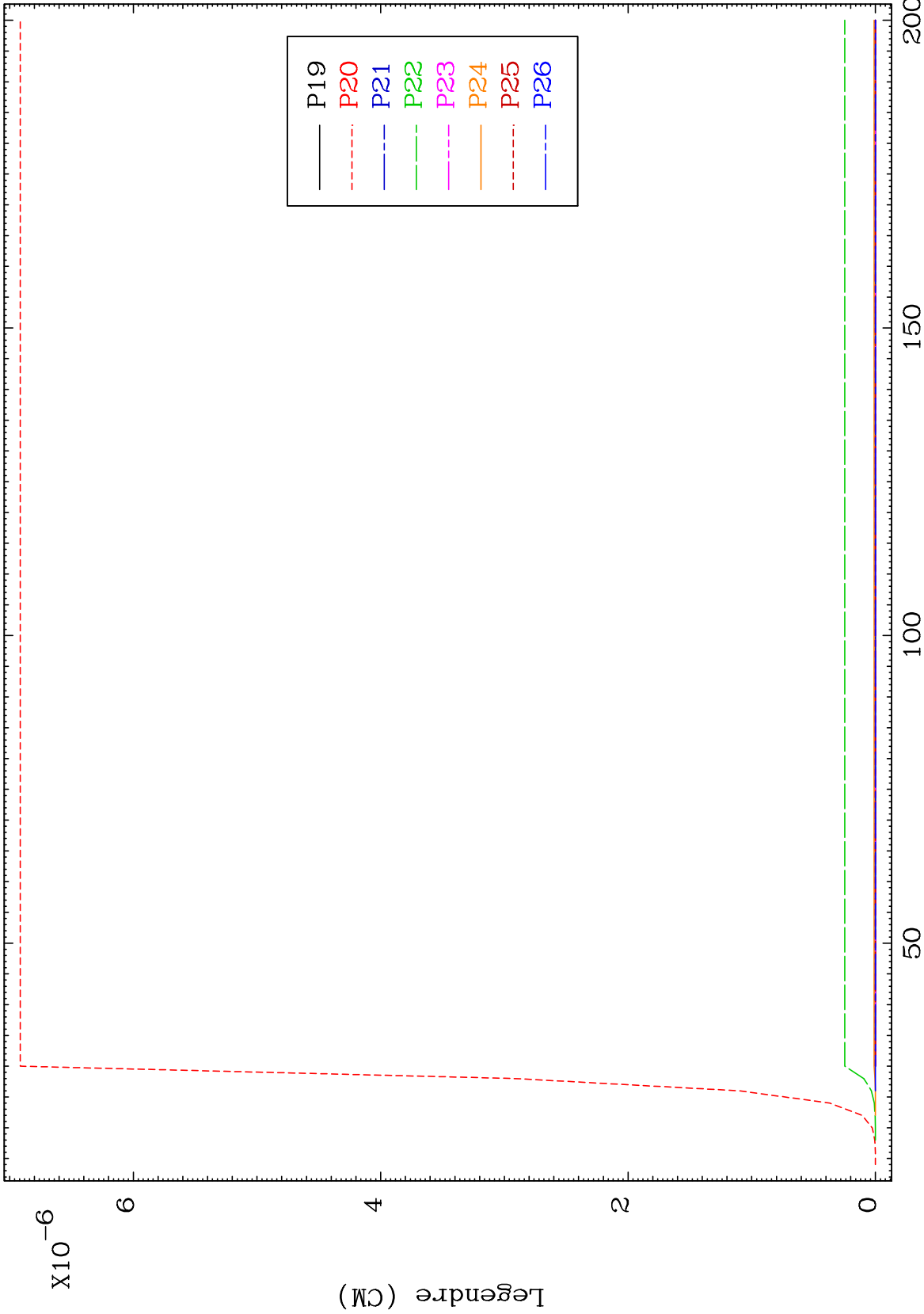
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144

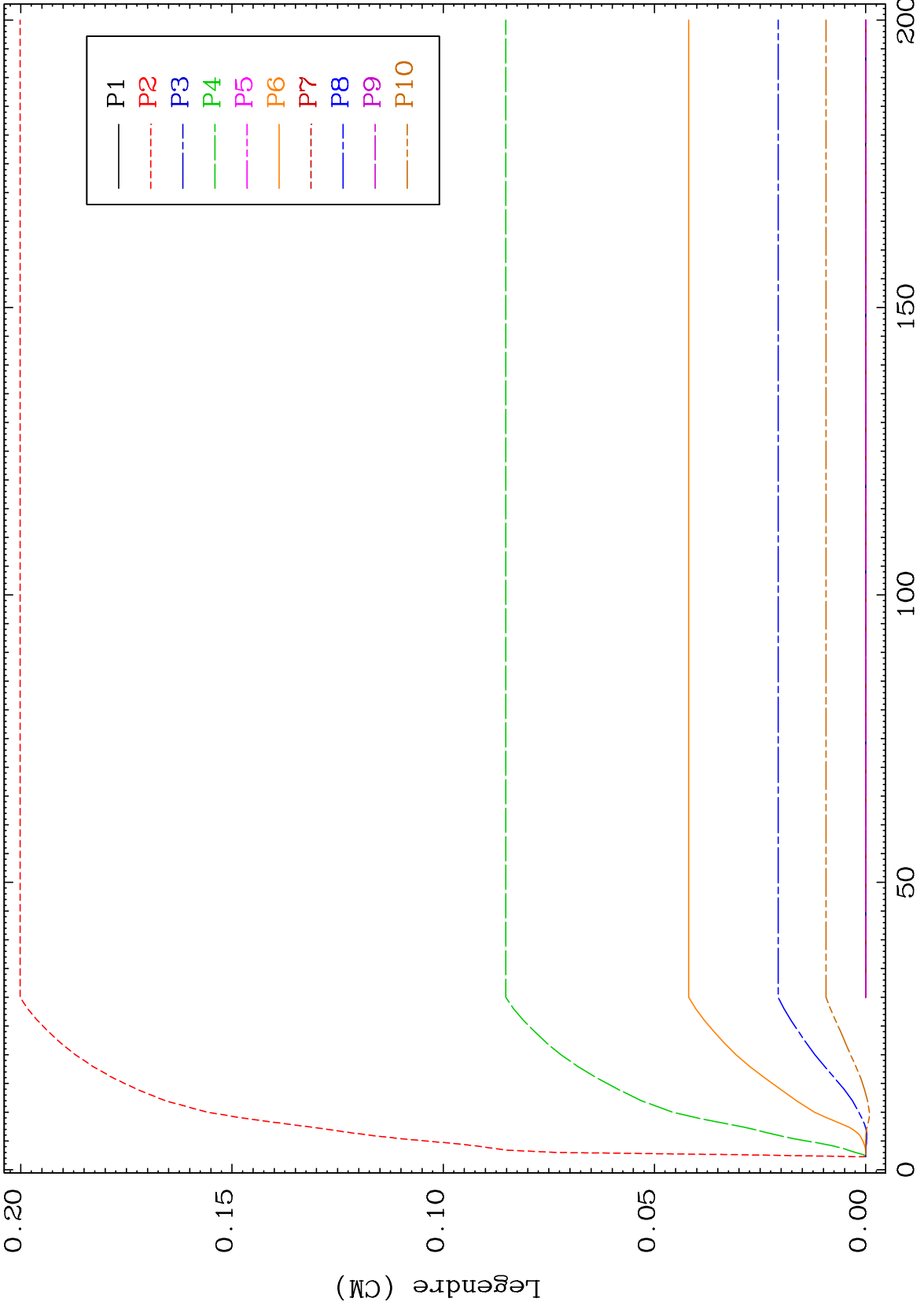


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Incident Energy (MeV)

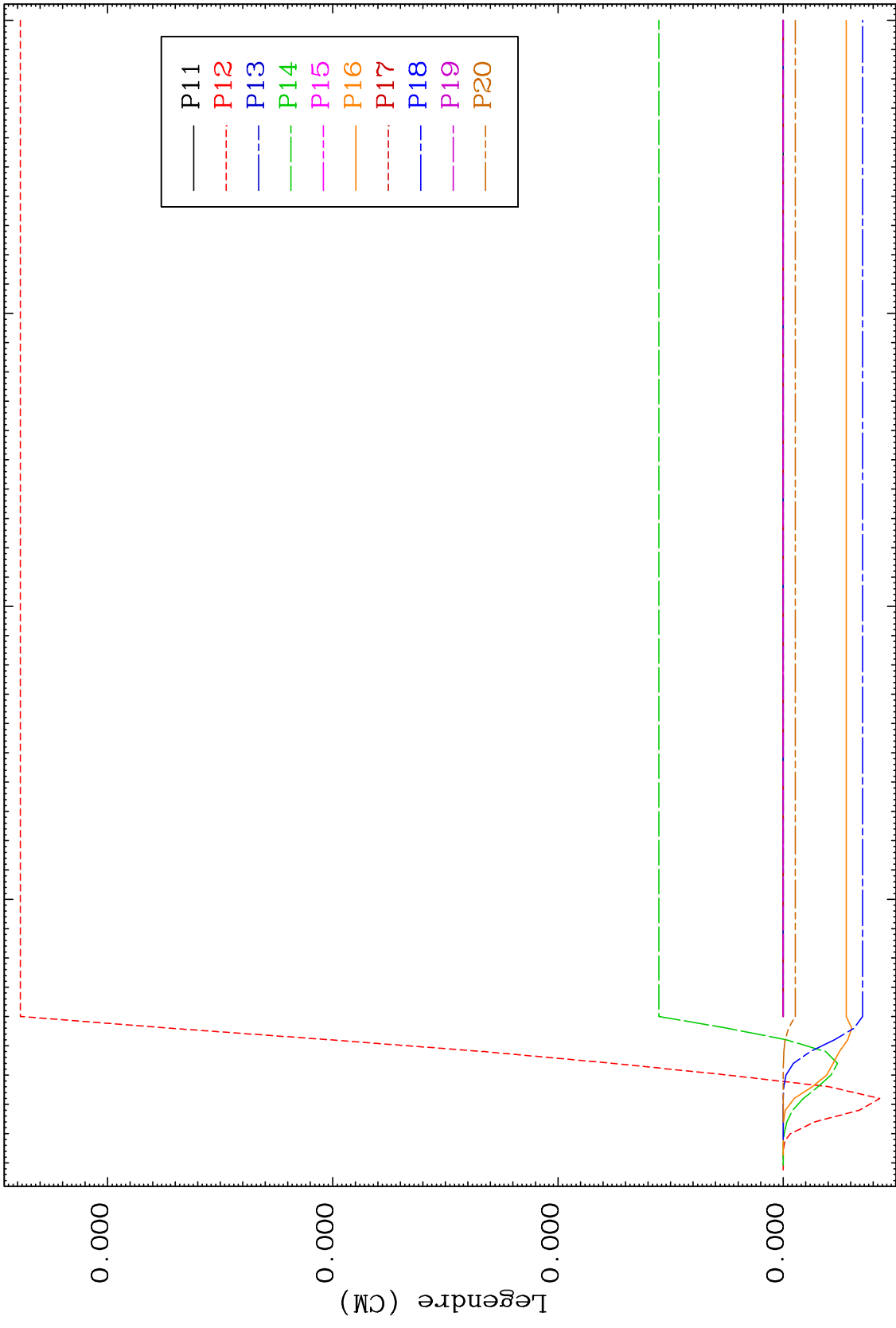
66-Dy-144

MAT 6589 MT= 55 (n,n') Level Legendre Coefficients 66-Dy-144



34 Incident Energy (MeV) 66-Dy-144

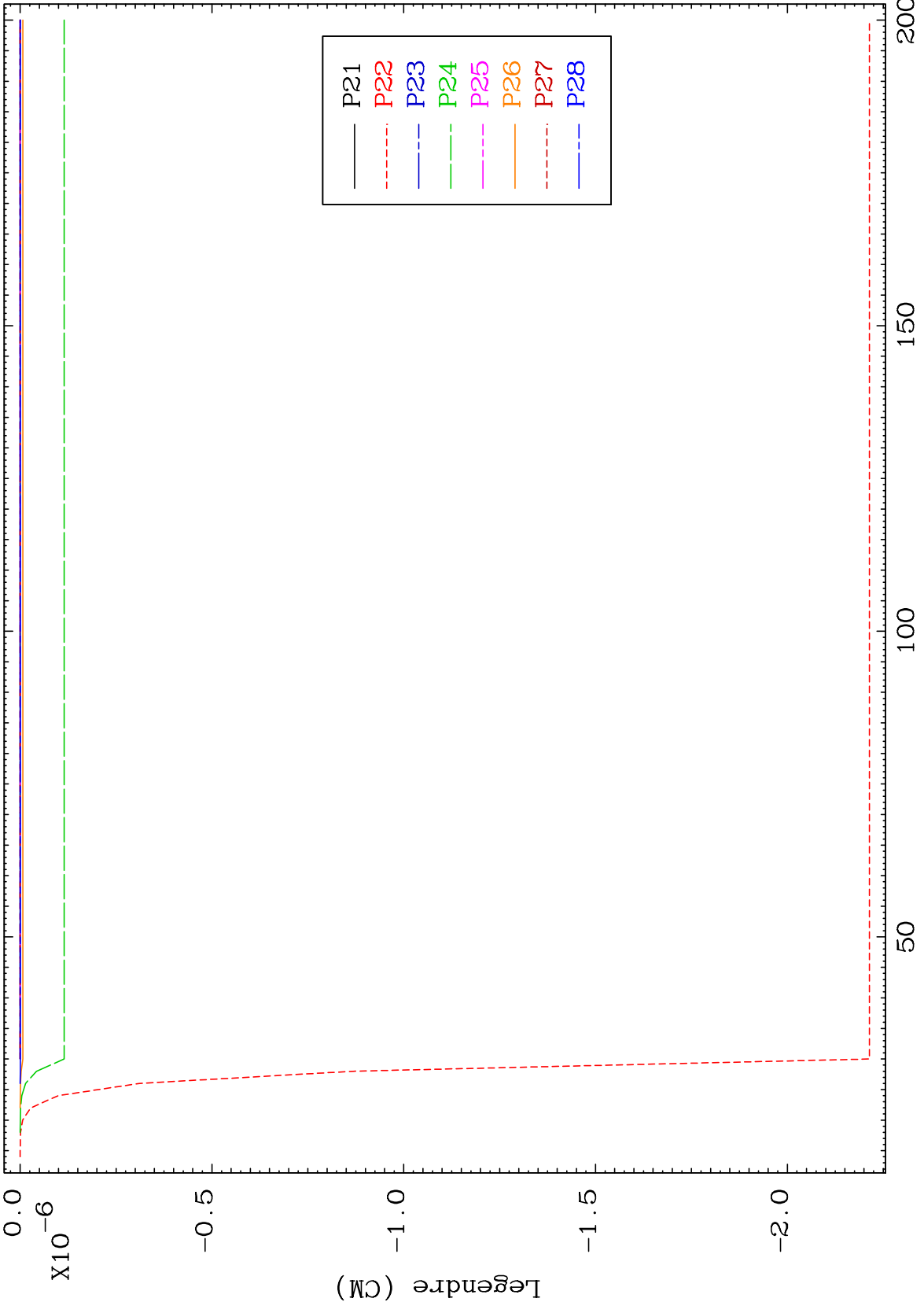
MAT 6589 MT= 55 (n,n') Level Legendre Coefficients 66-Dy-144



35 50 100 150 200 66-Dy-144

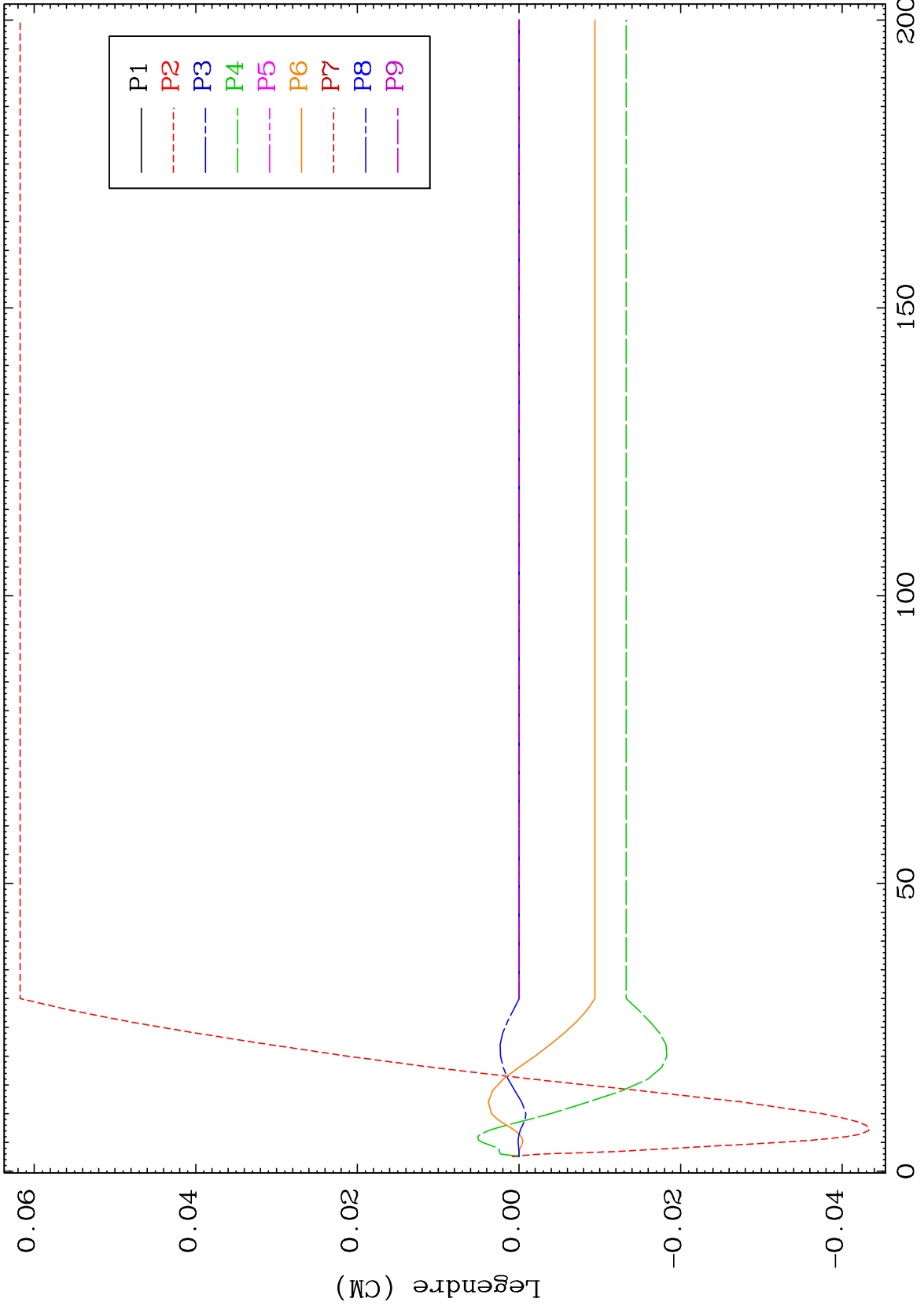
MAT 6589 MT= 55 (n,n') Level 66-Dy-144

Legendre Coefficients



36 Incident Energy (MeV) 66-Dy-144

MAT 6589 MT= 56 (n,n') Level Legendre Coefficients 66-Dy-144

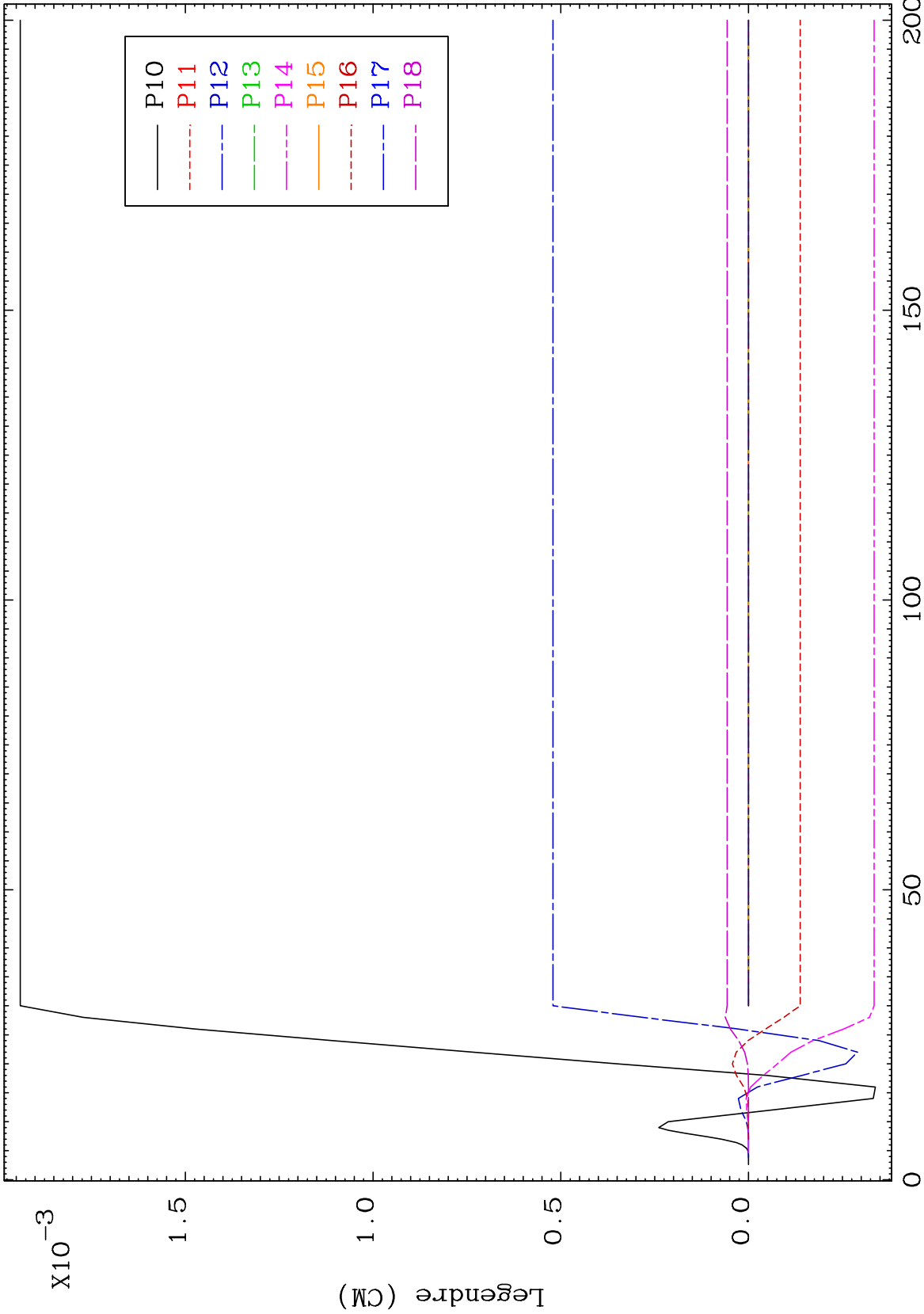


37 66-Dy-144

MAT 6589

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

66-Dy-144



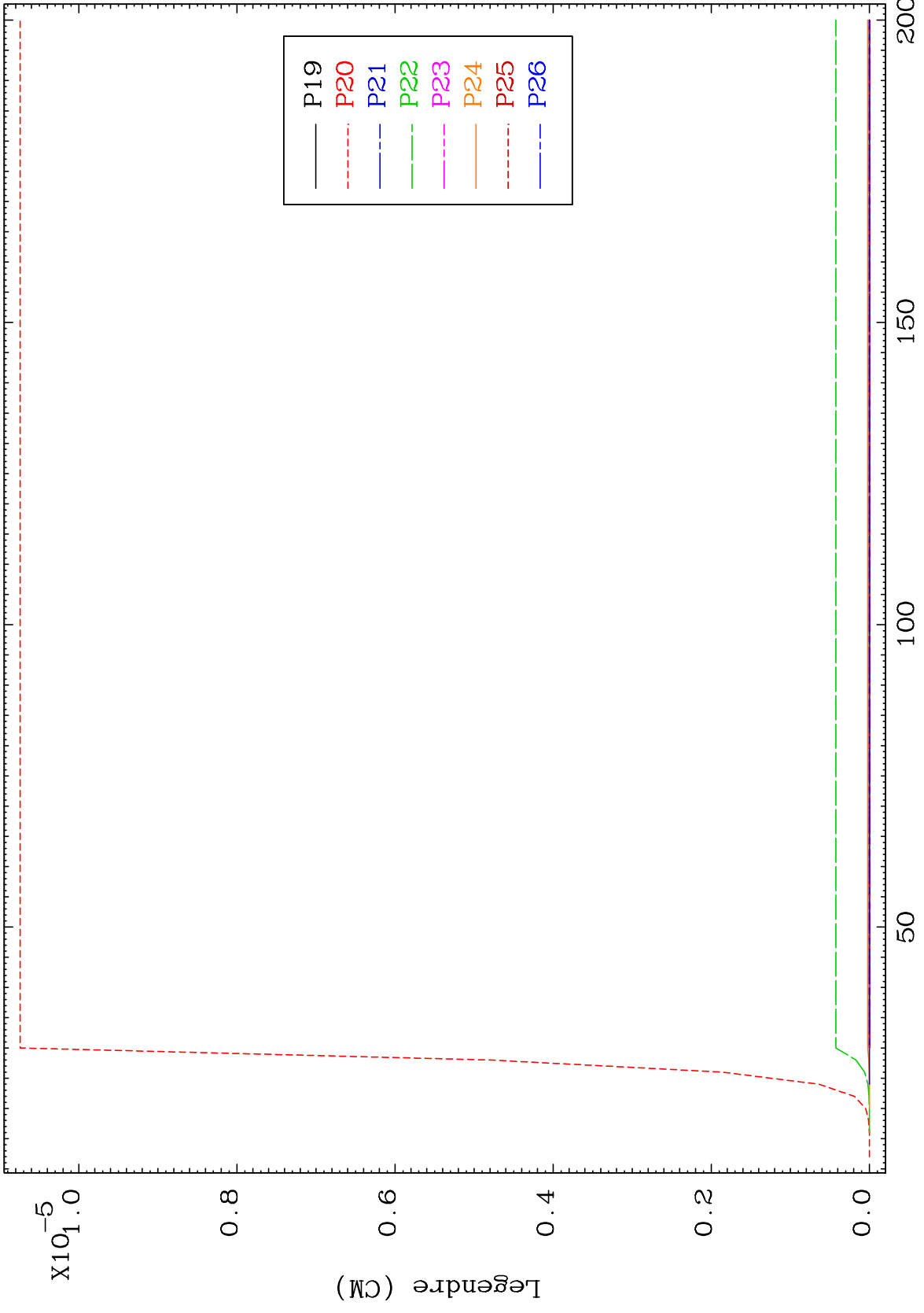
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66-Dy-144

MAT 6589

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

66-Dy-144



66-Dy-144

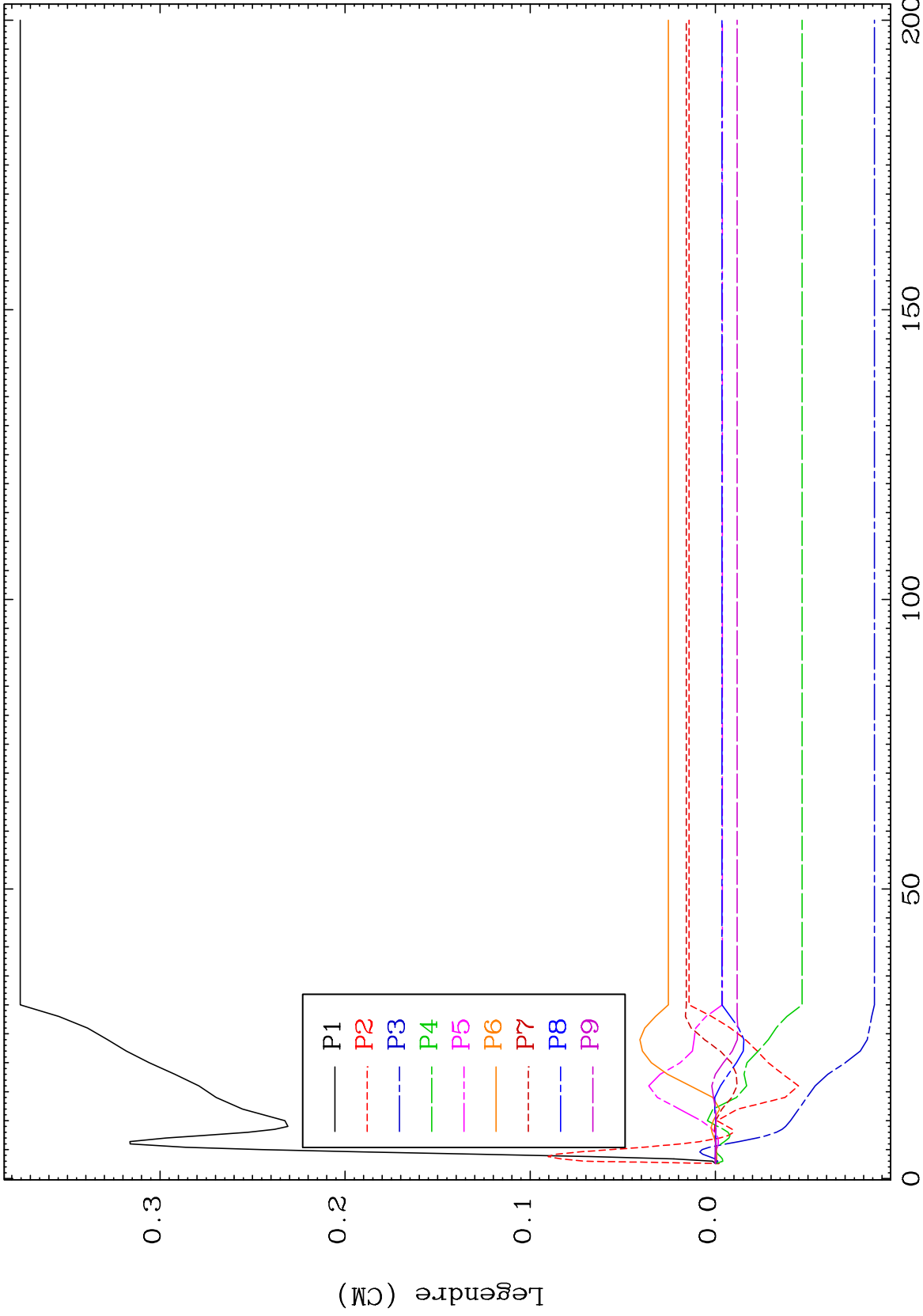
Incident Energy (MeV)

39

MAT 6589

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

66-Dy-144



40

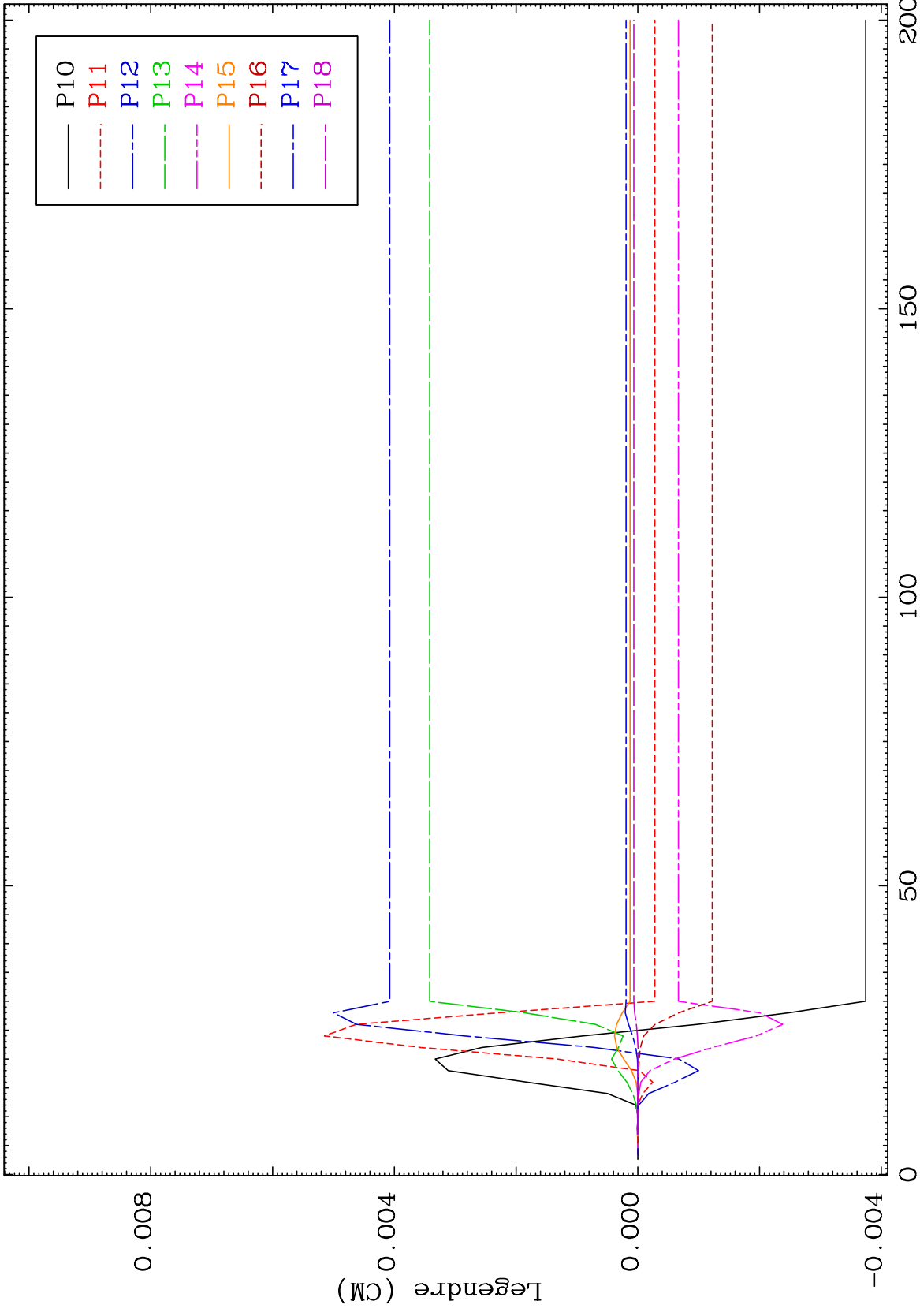
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



41

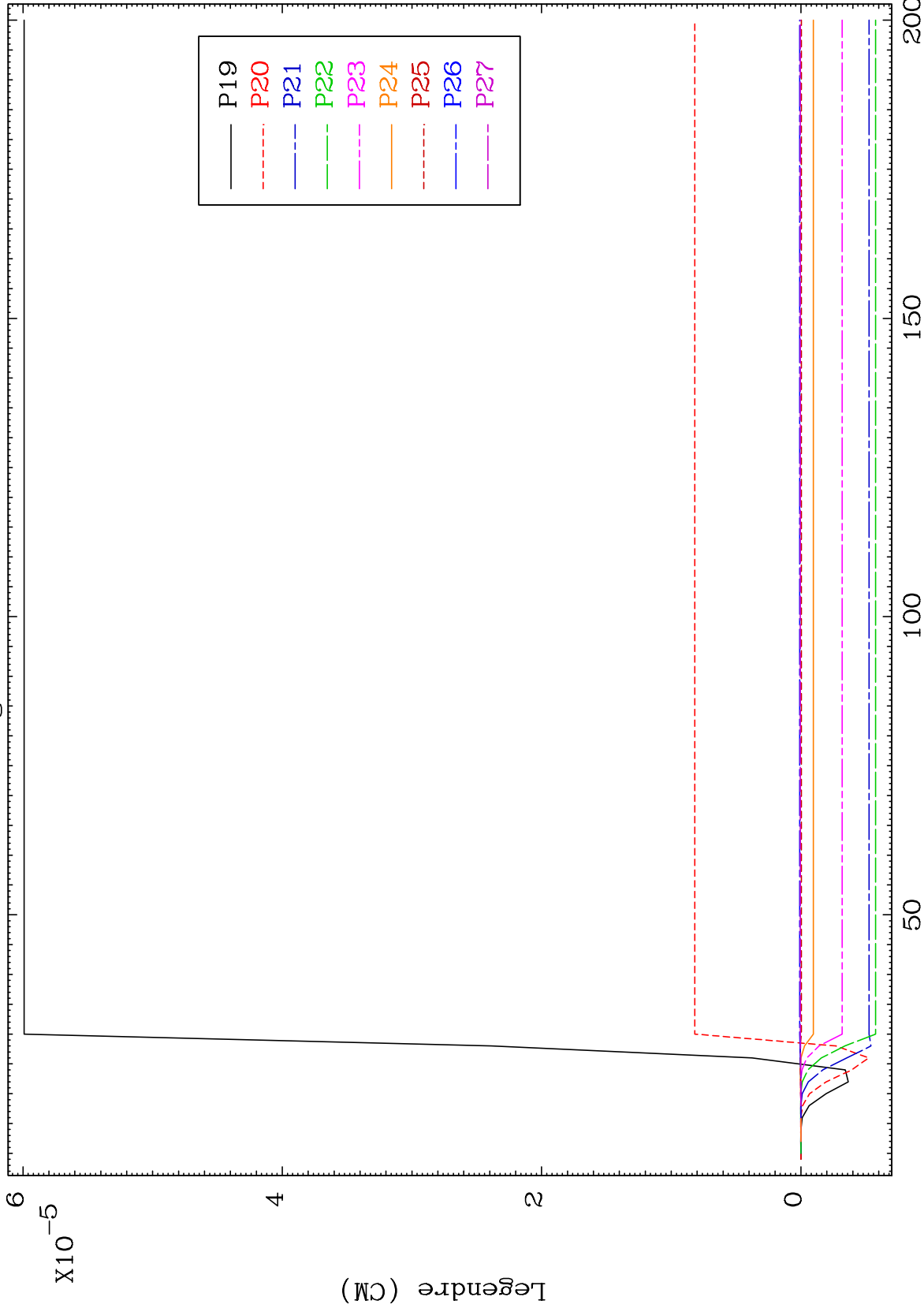
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



42

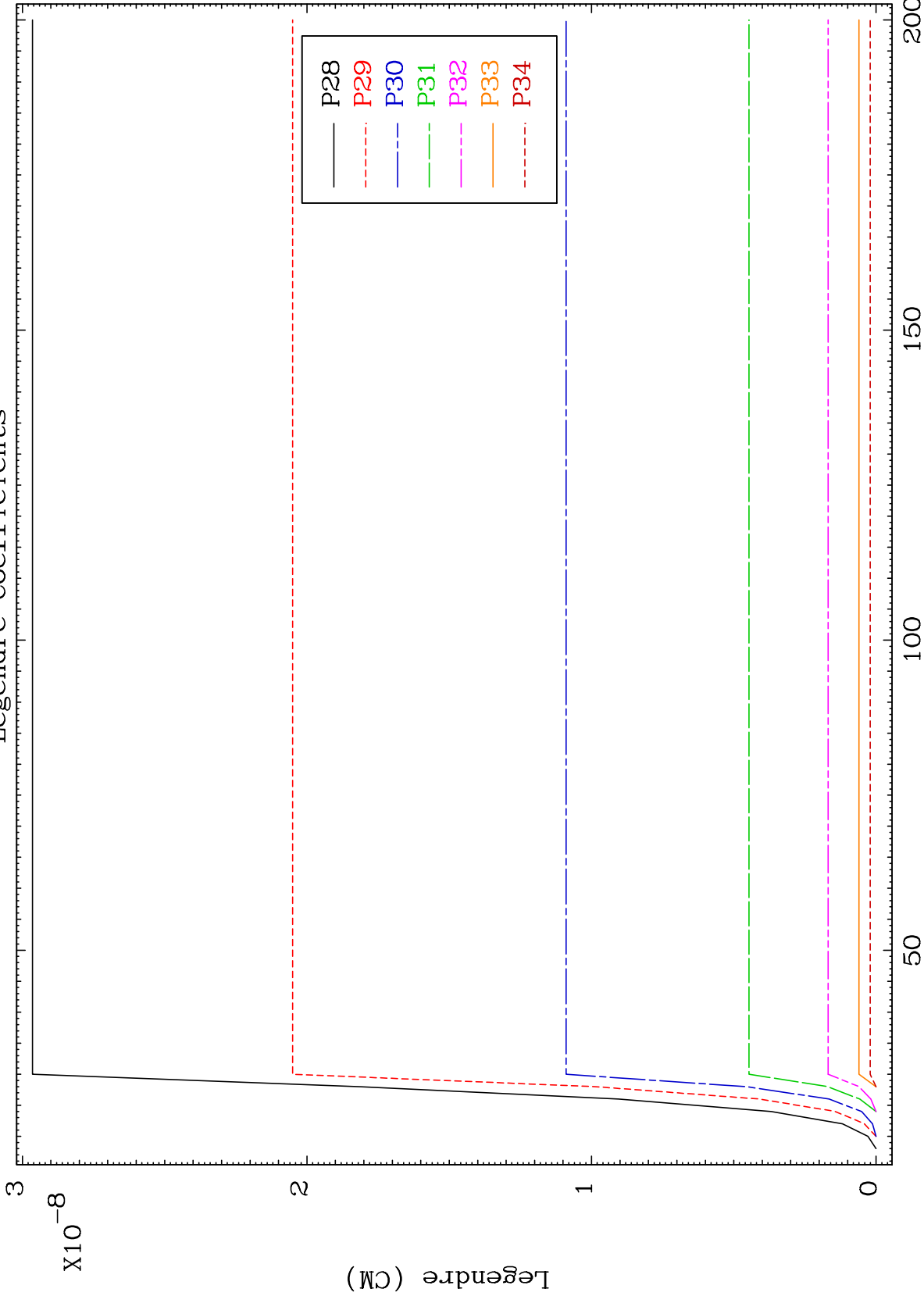
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144

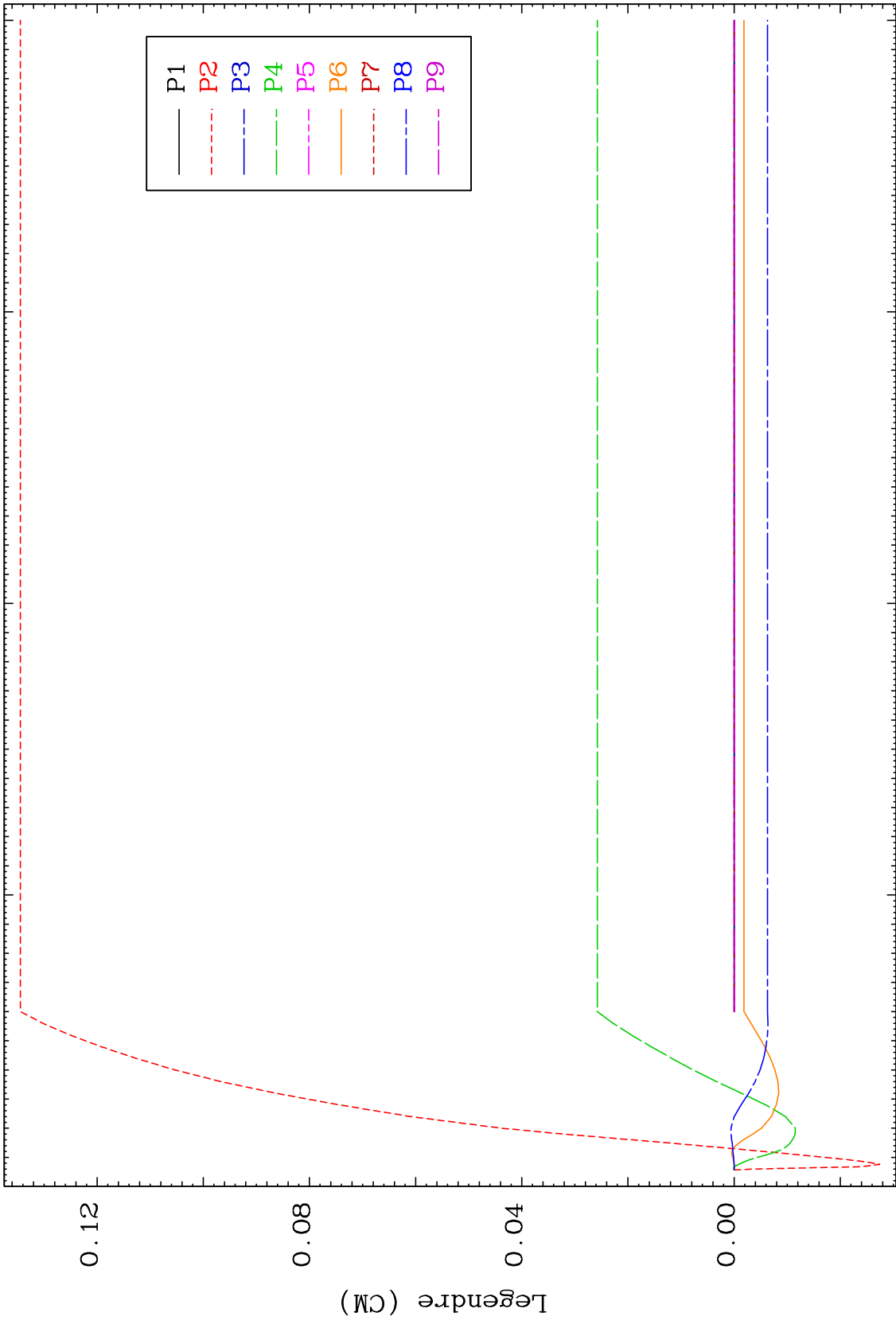


43

Incident Energy (MeV)

66-Dy-144

MAT 6589 MT= 58 (n,n') Level Legendre Coefficients 66-Dy-144

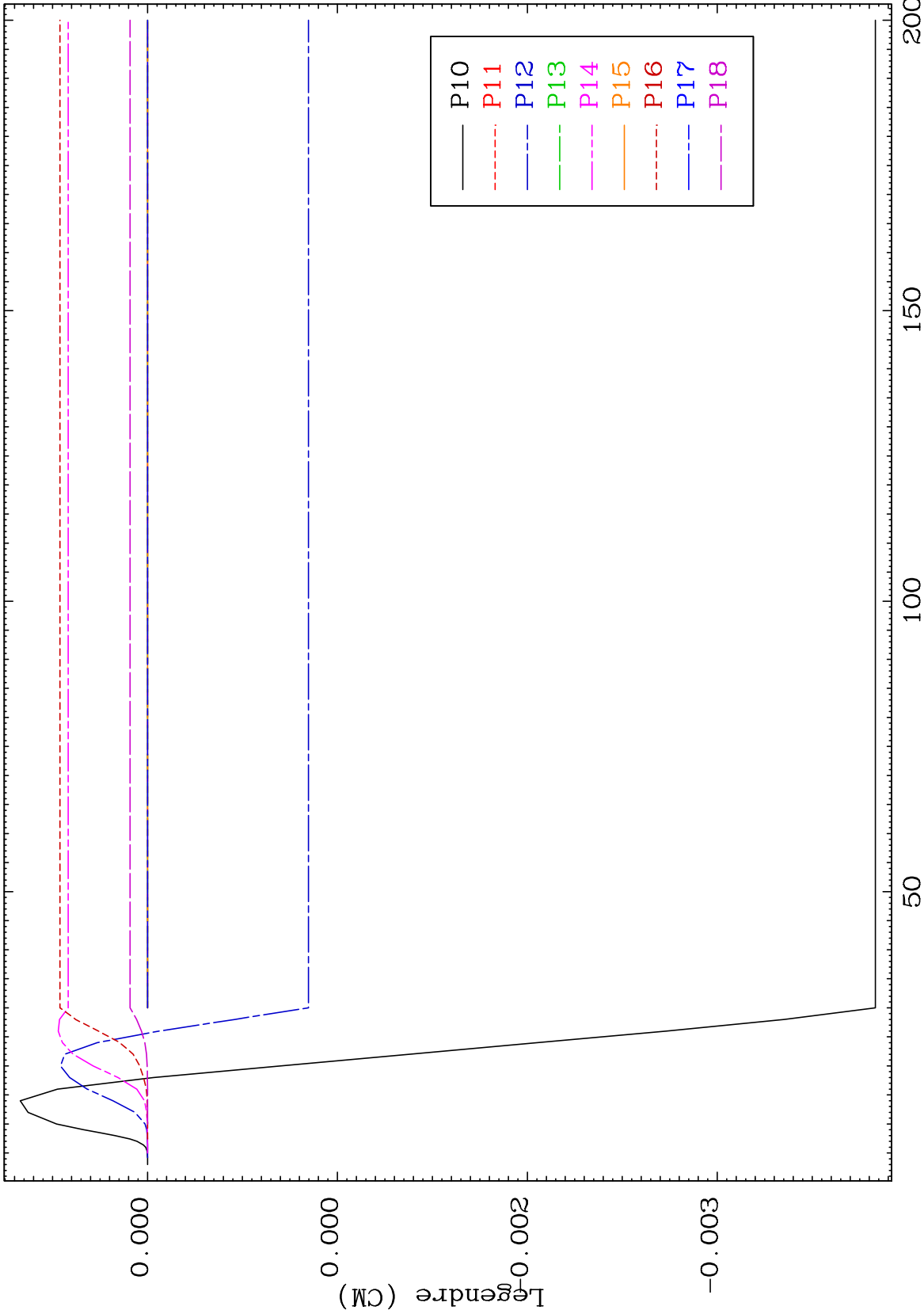


44 50 100 150 200 66-Dy-144

MAT 6589

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

66-Dy-144



45

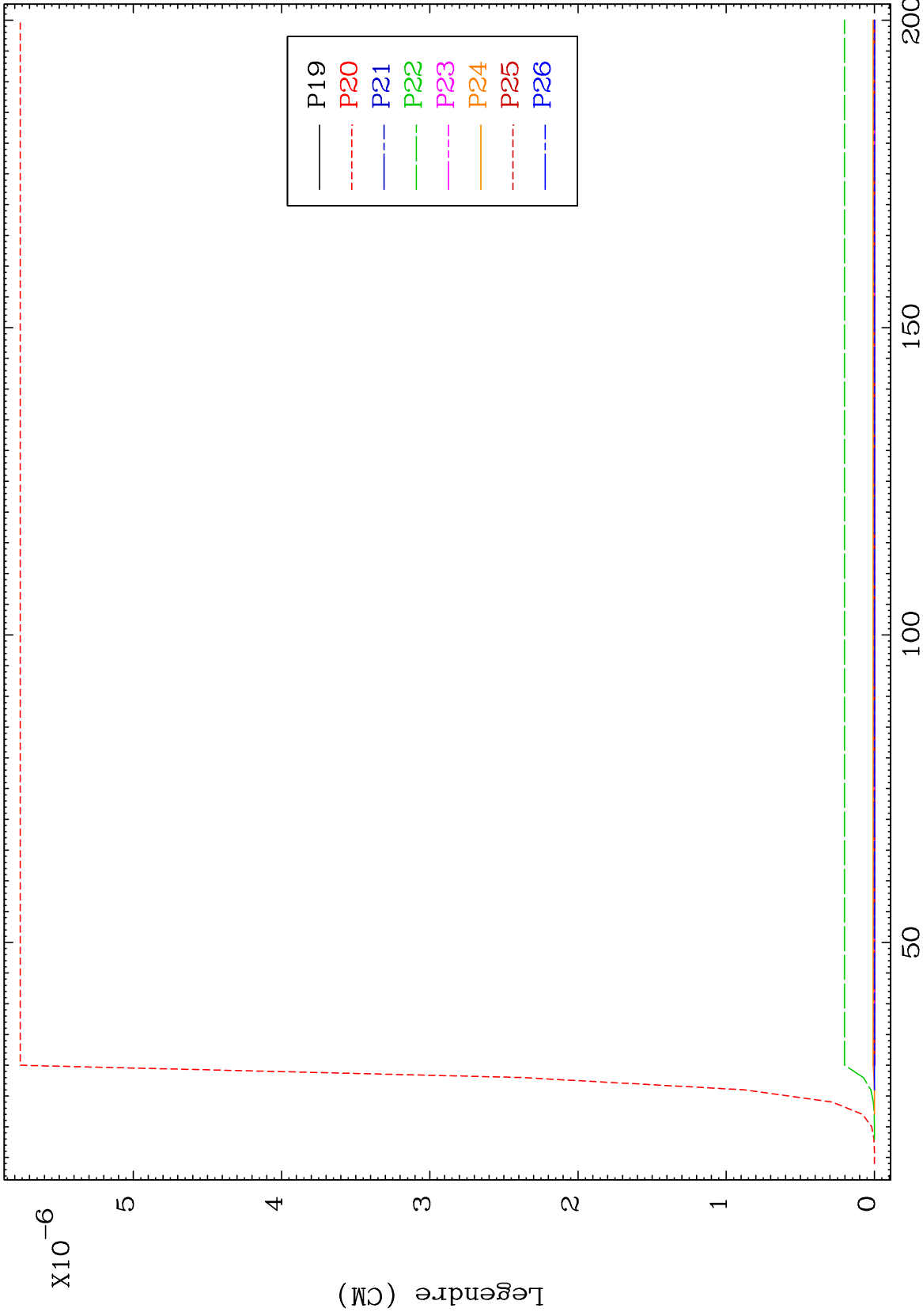
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144

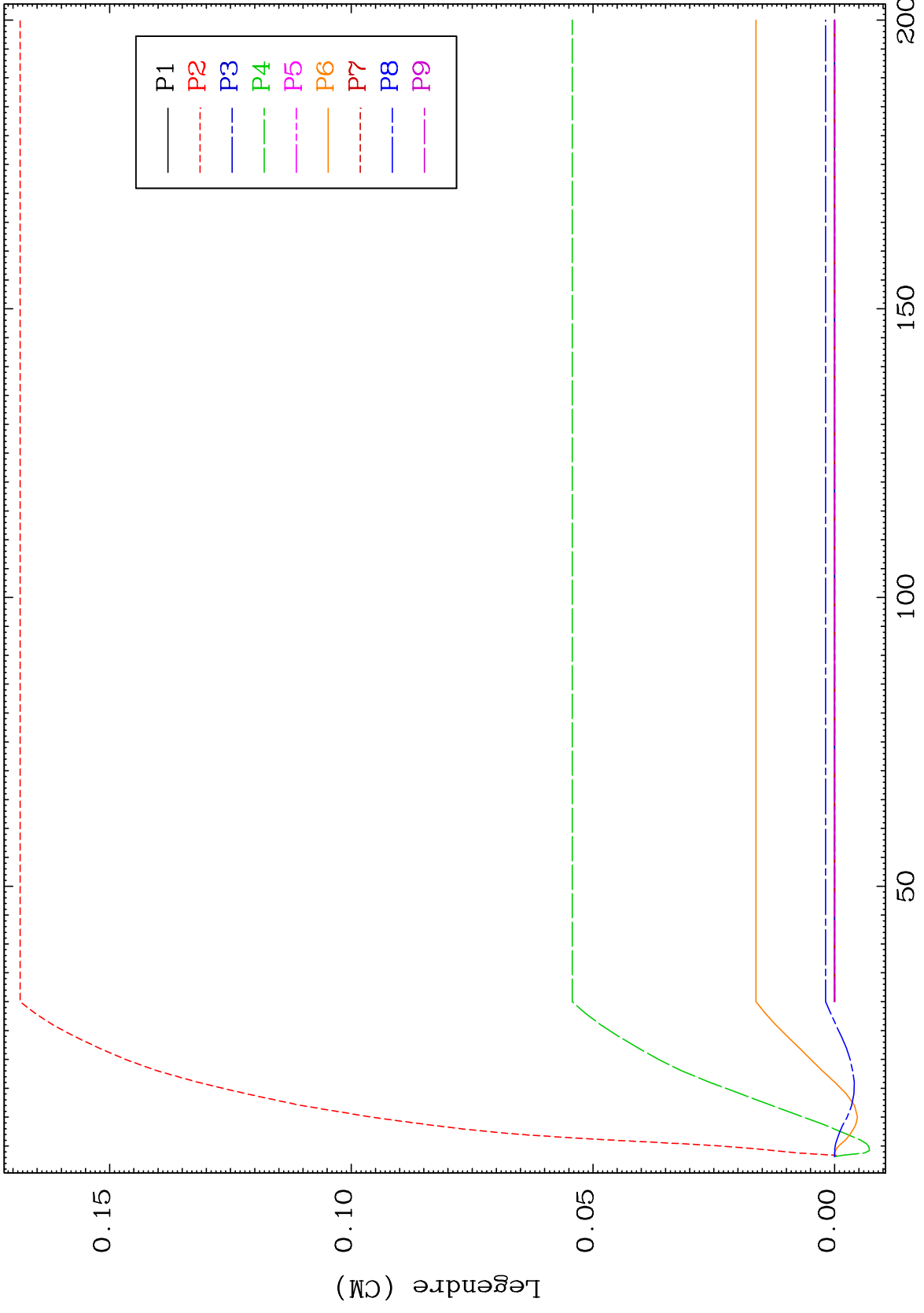


46

Incident Energy (MeV)

66-Dy-144

MAT 6589 MT= 59 (n,n') Level Legendre Coefficients 66-Dy-144

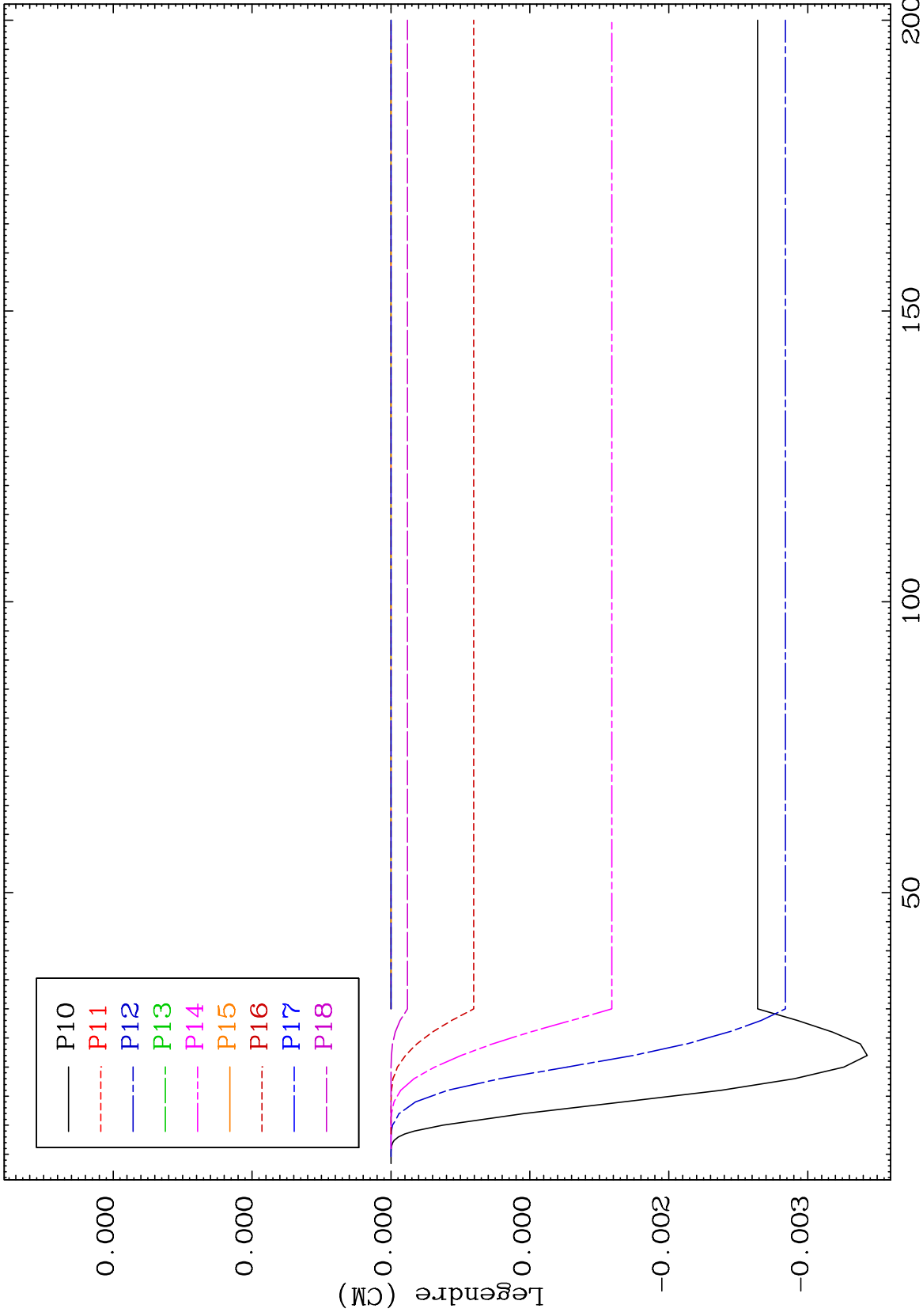


47 Incident Energy (MeV) 66-Dy-144

MAT 6589

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

66-Dy-144



48

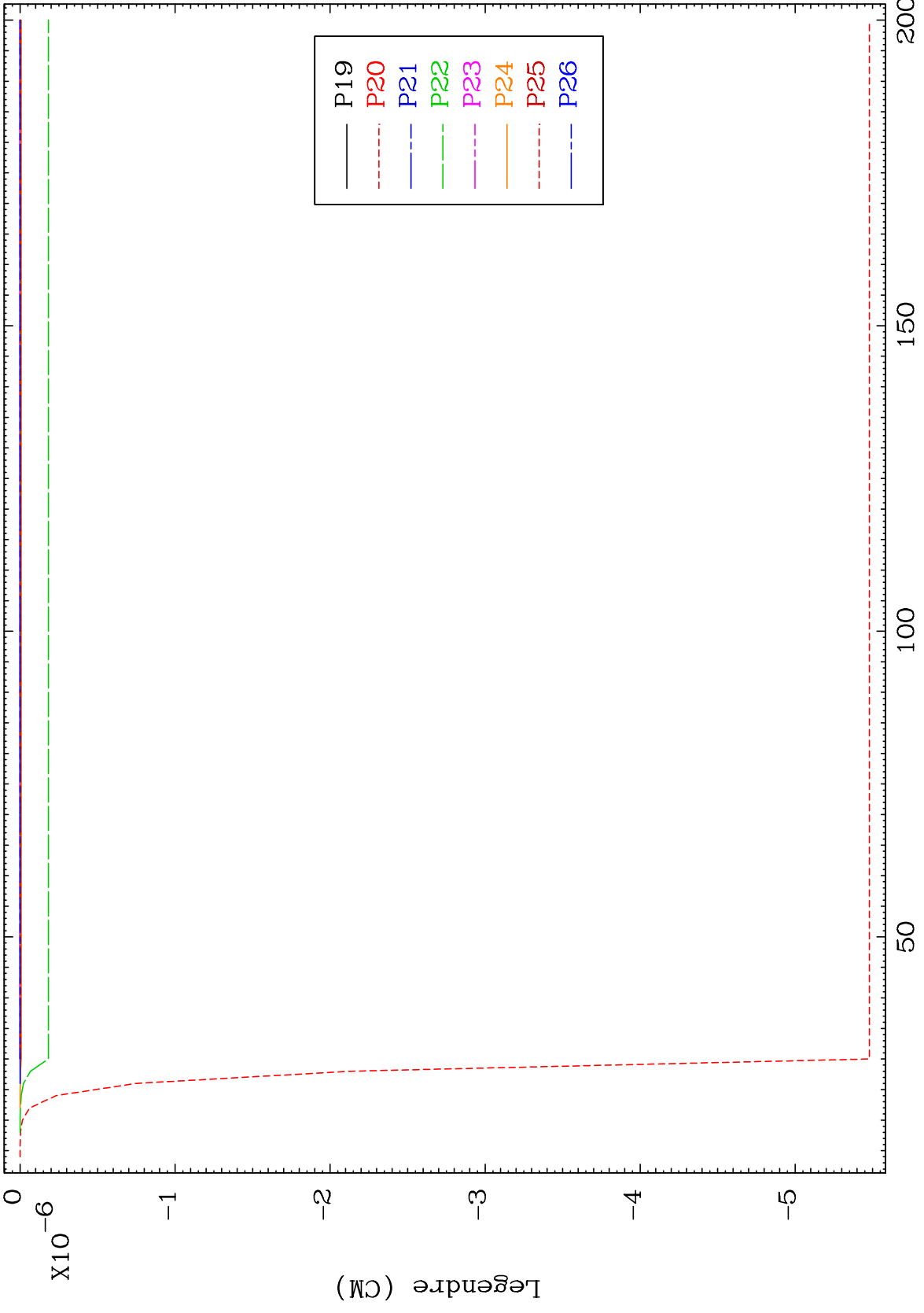
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144

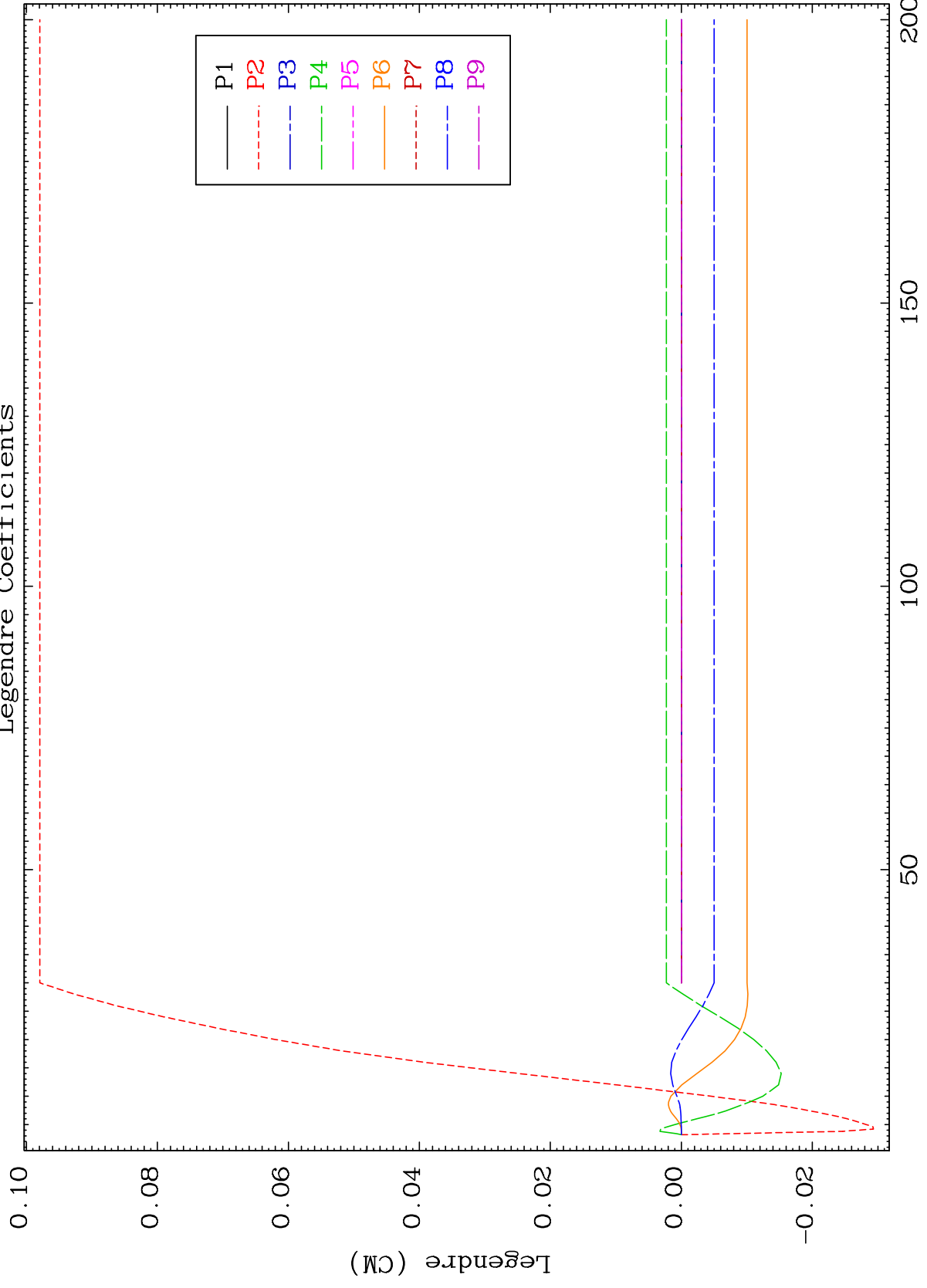


66-Dy-144

Incident Energy (MeV)

49

MAT 6589 MT= 60 (n,n') Level Legendre Coefficients 66-Dy-144

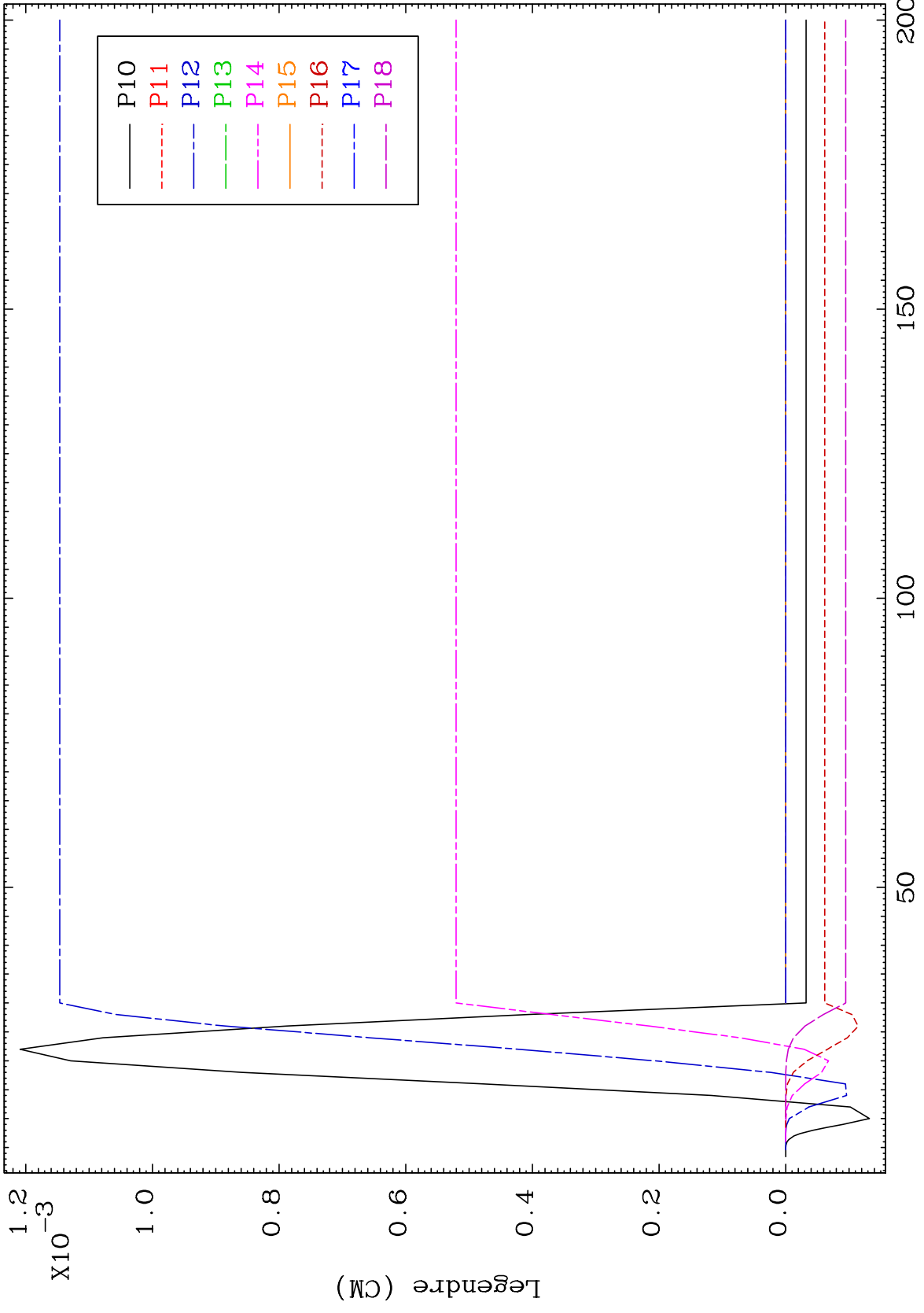


66-Dy-144

MAT 6589

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

66-Dy-144



51

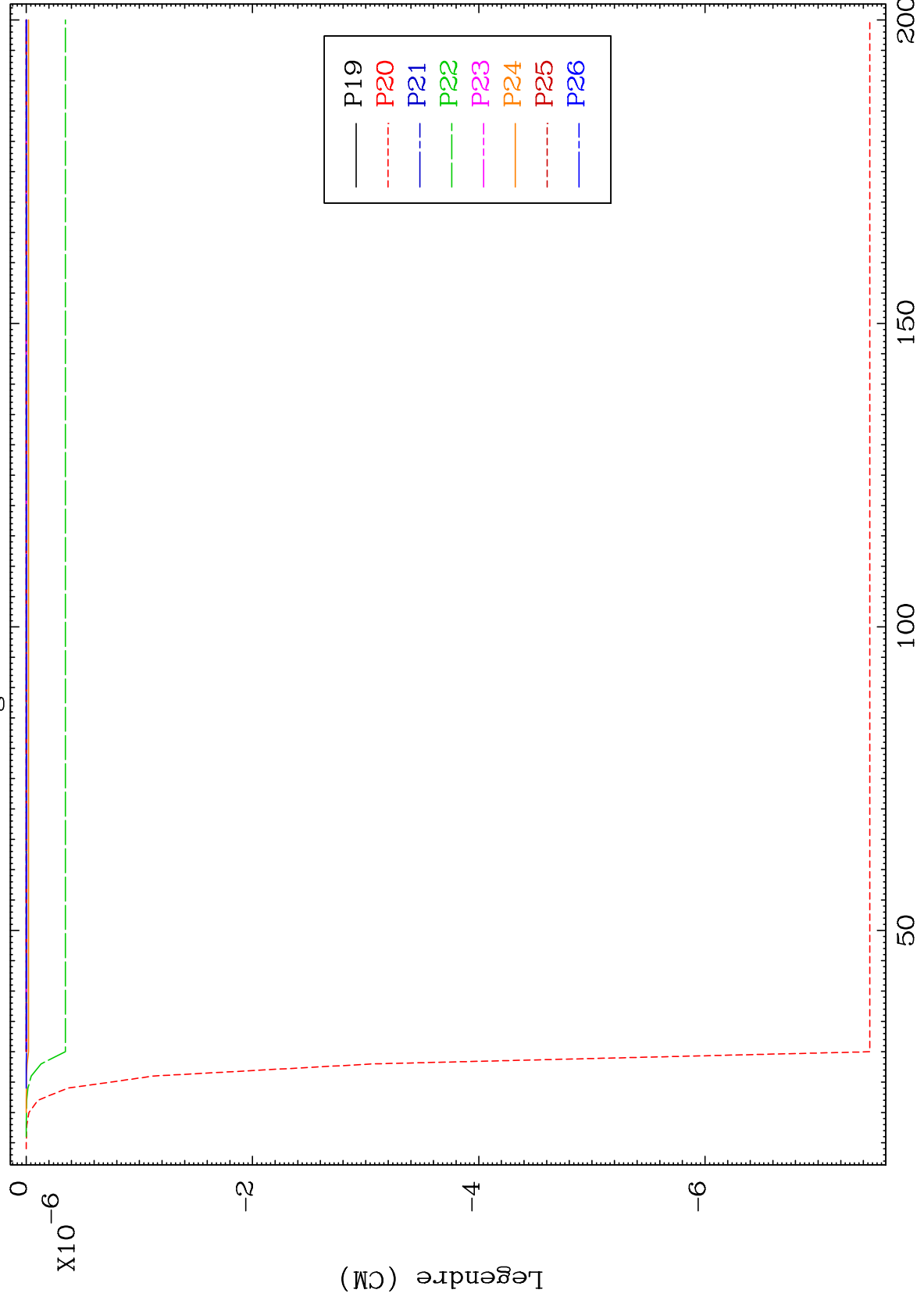
66-Dy-144

200

MAT 6589

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

66-Dy-144



66-Dy-144

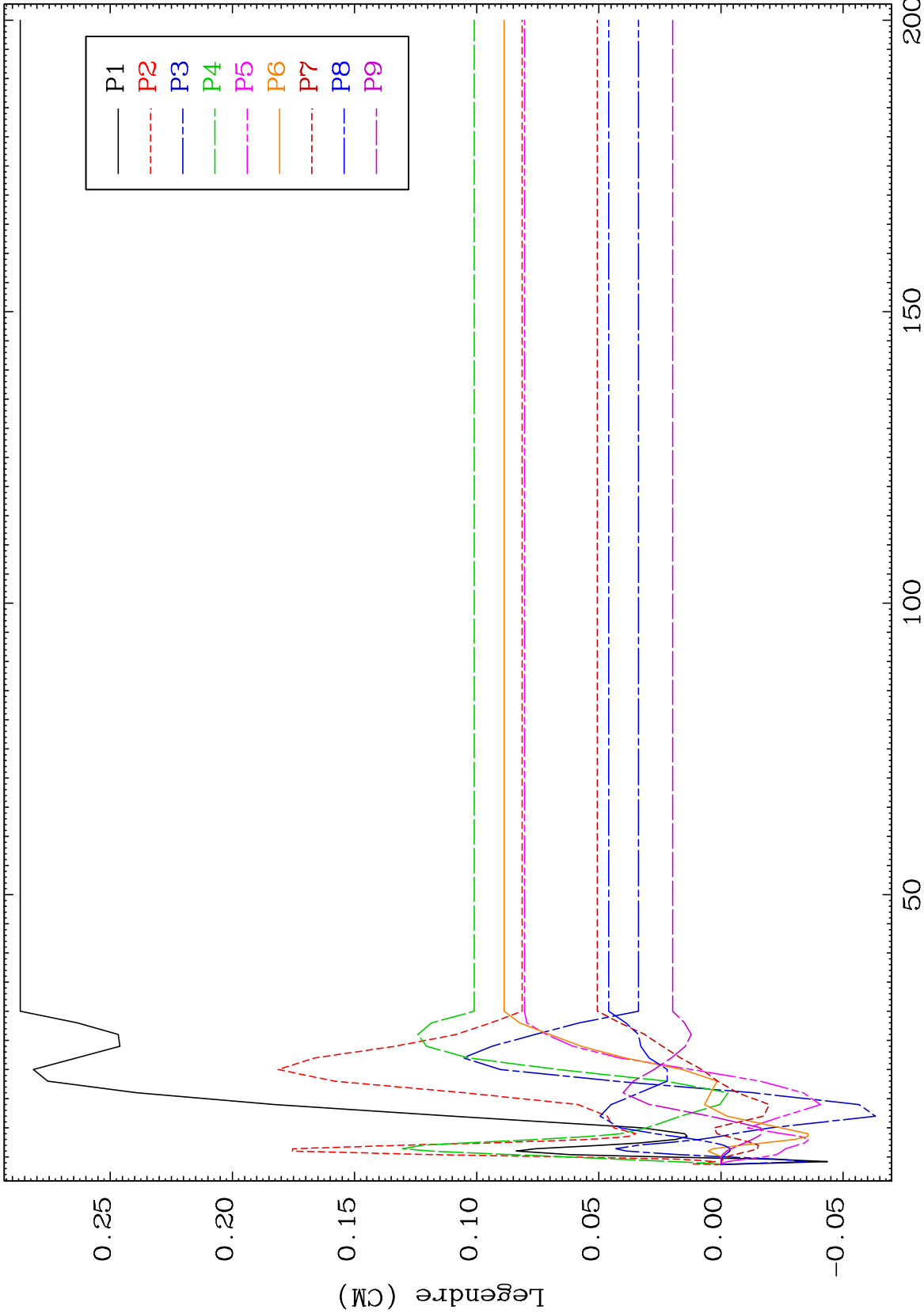
Incident Energy (MeV)

52

MAT 6589

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

66-Dy-144



53

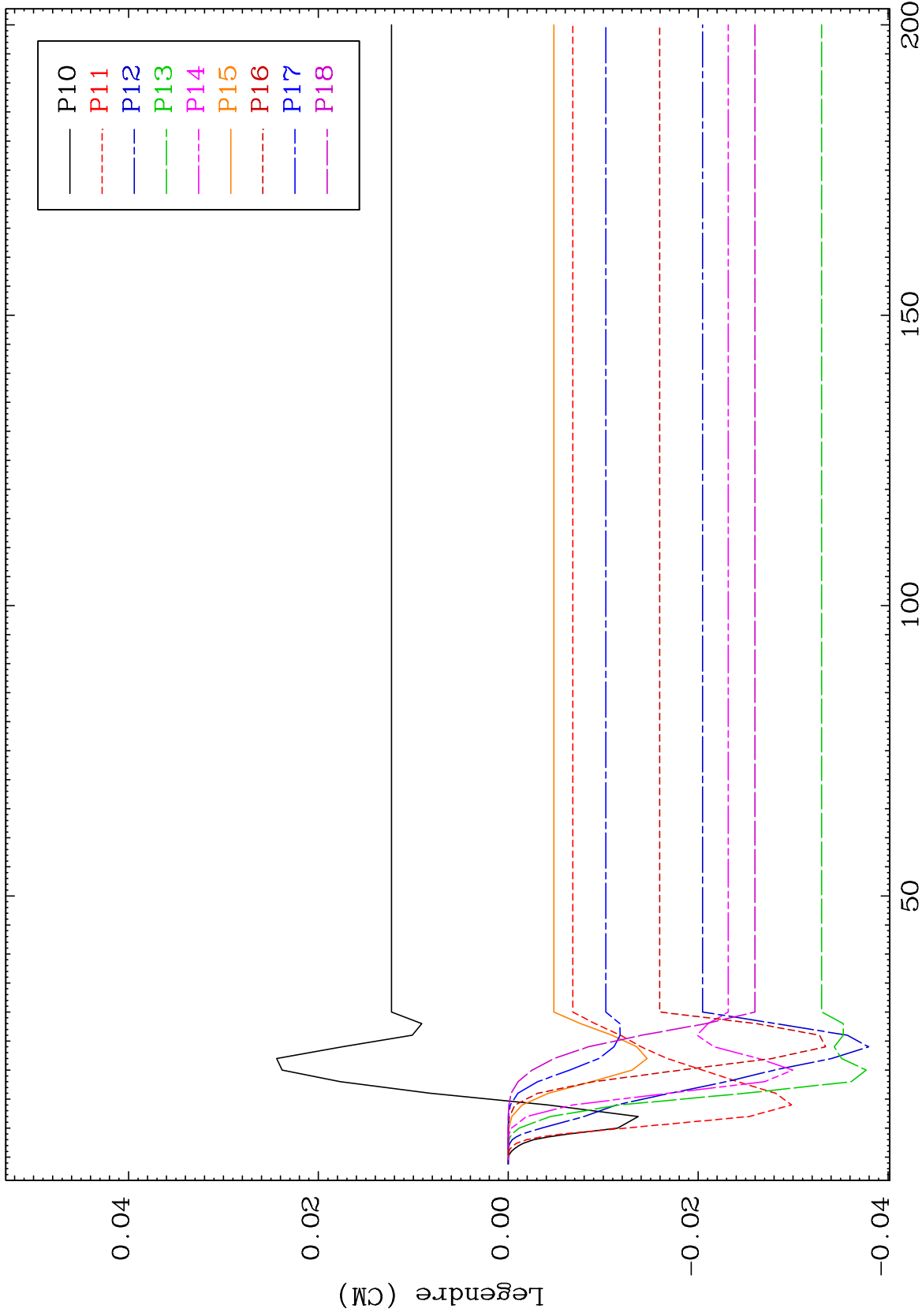
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



54

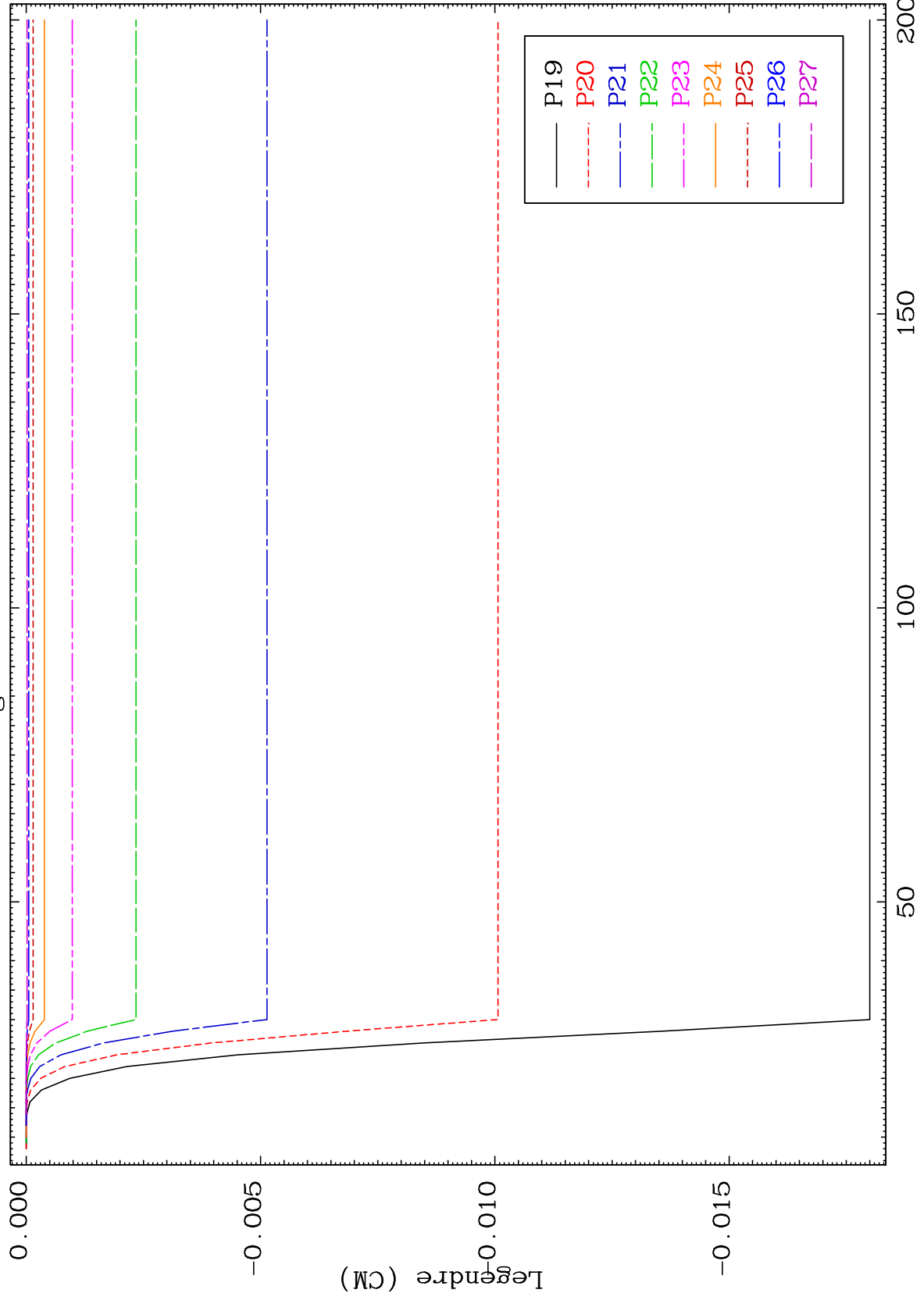
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



66-Dy-144

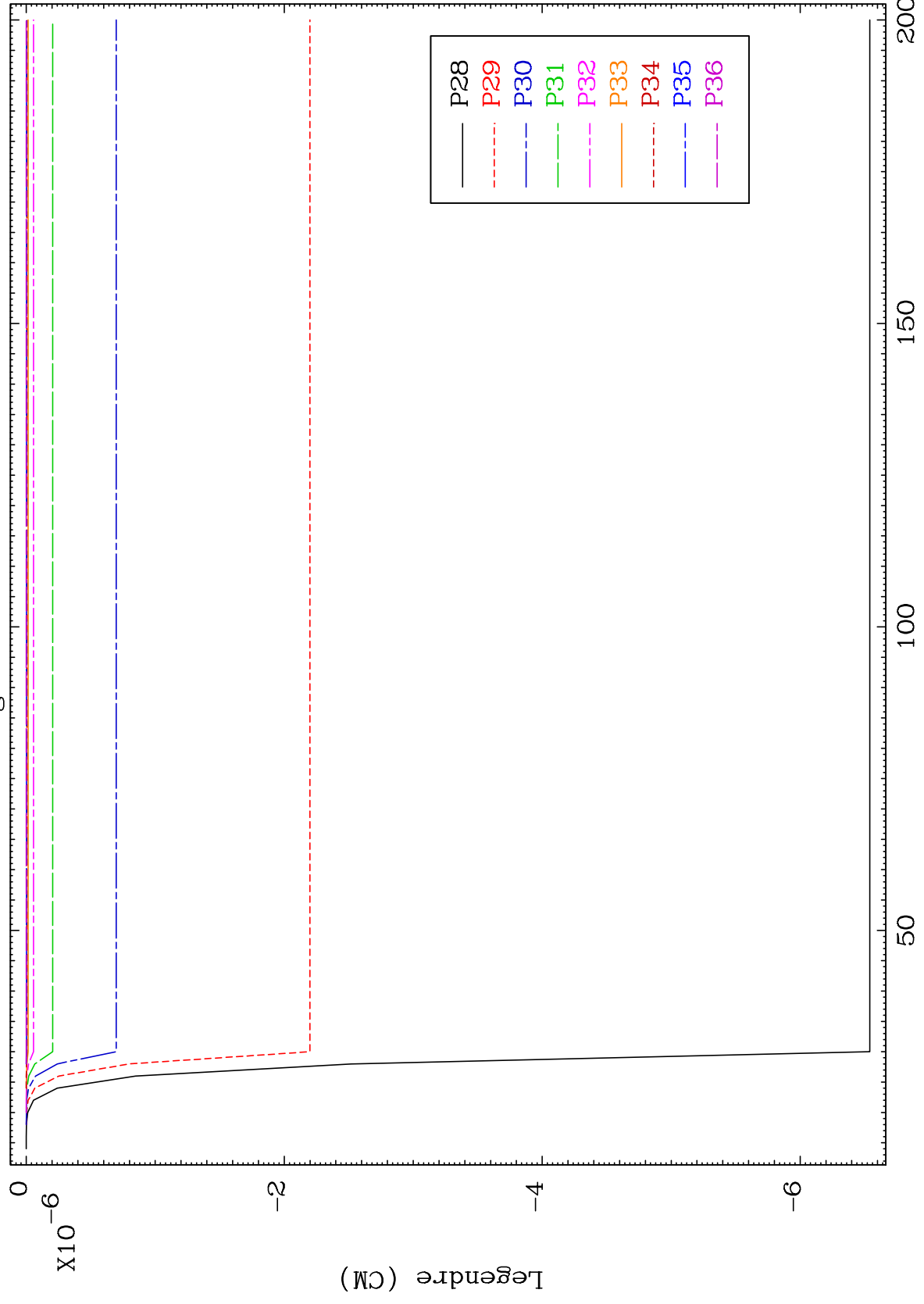
Incident Energy (MeV)

55

MAT 6589

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

66-Dy-144



56

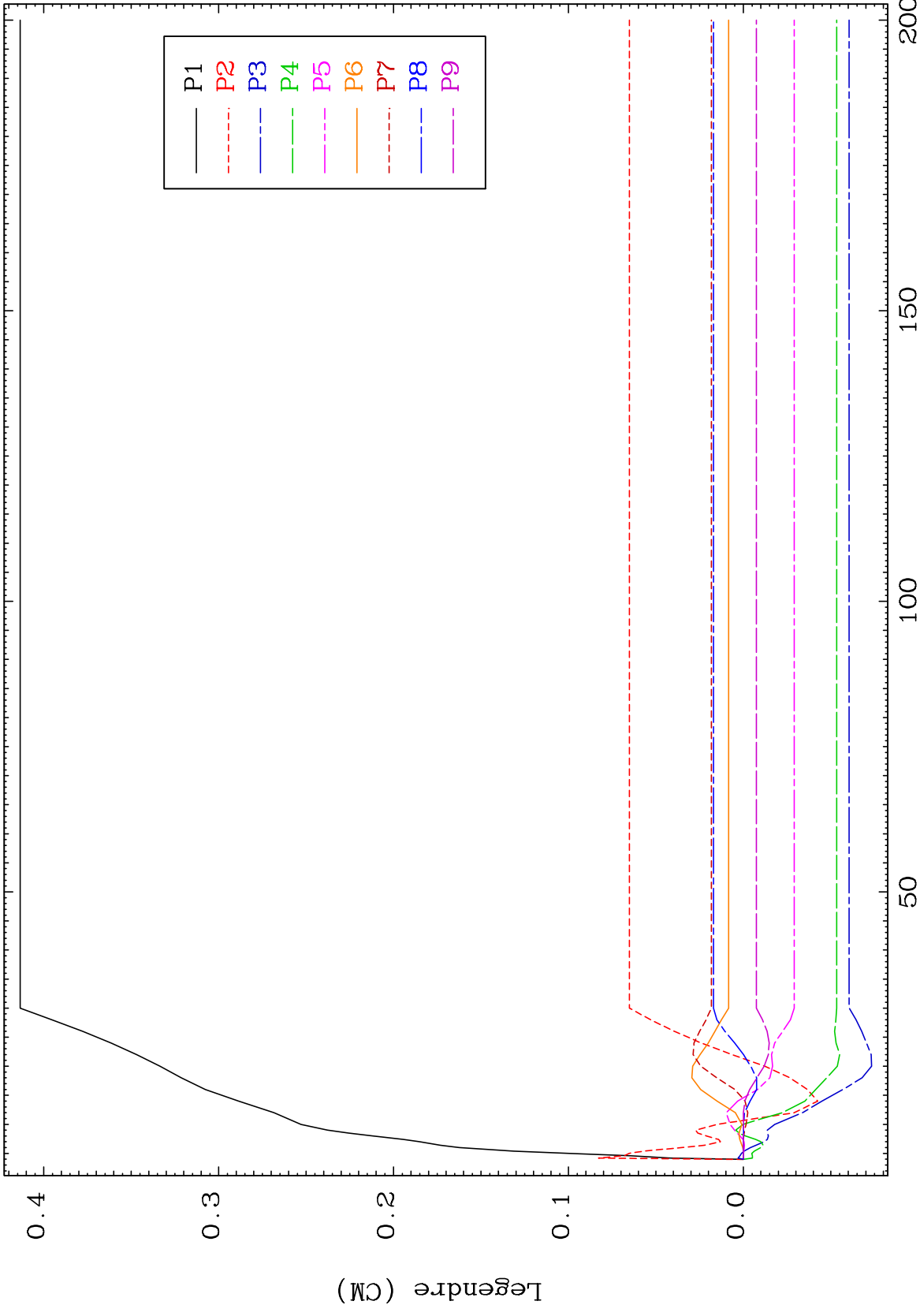
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



57

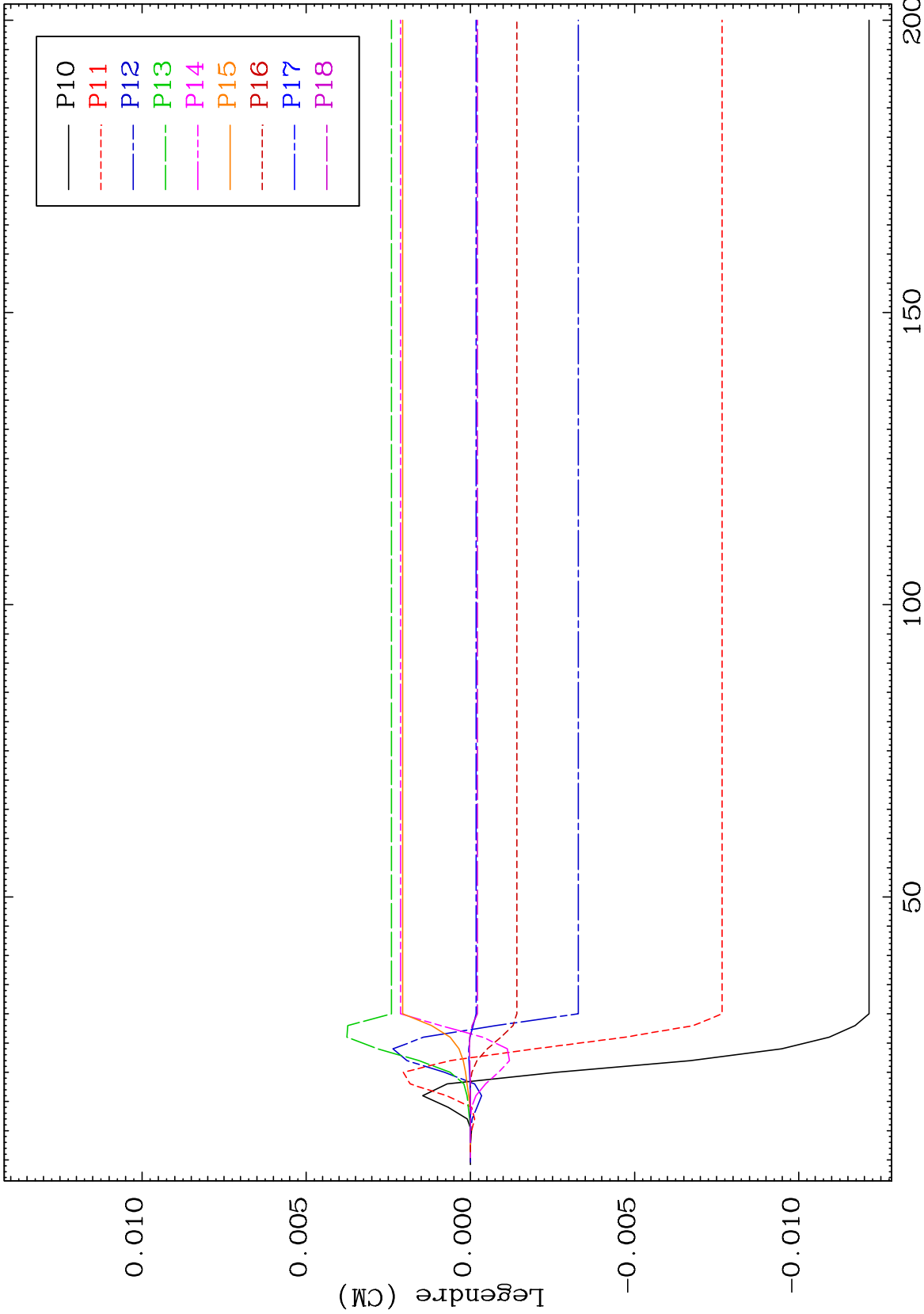
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



58

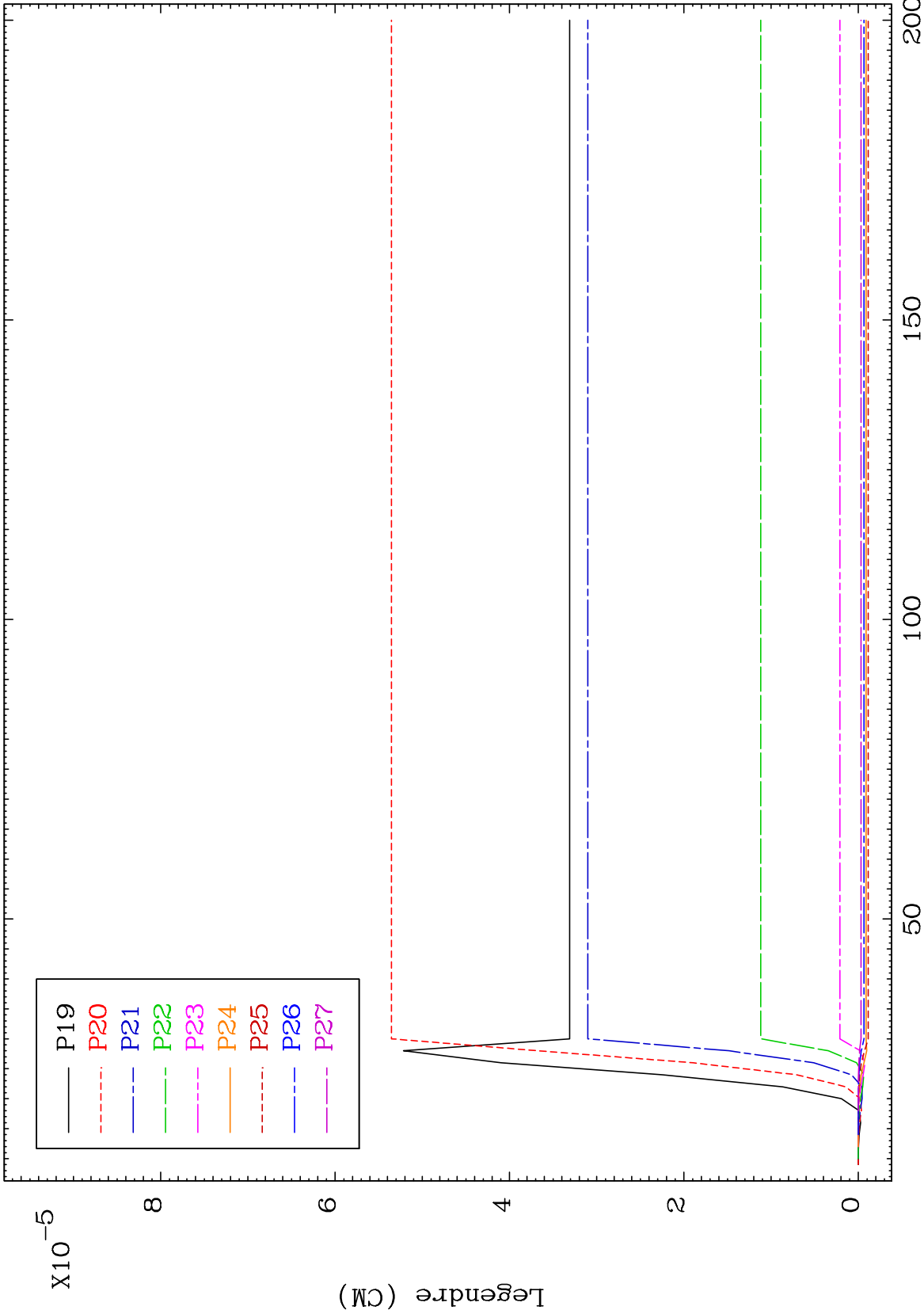
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



59

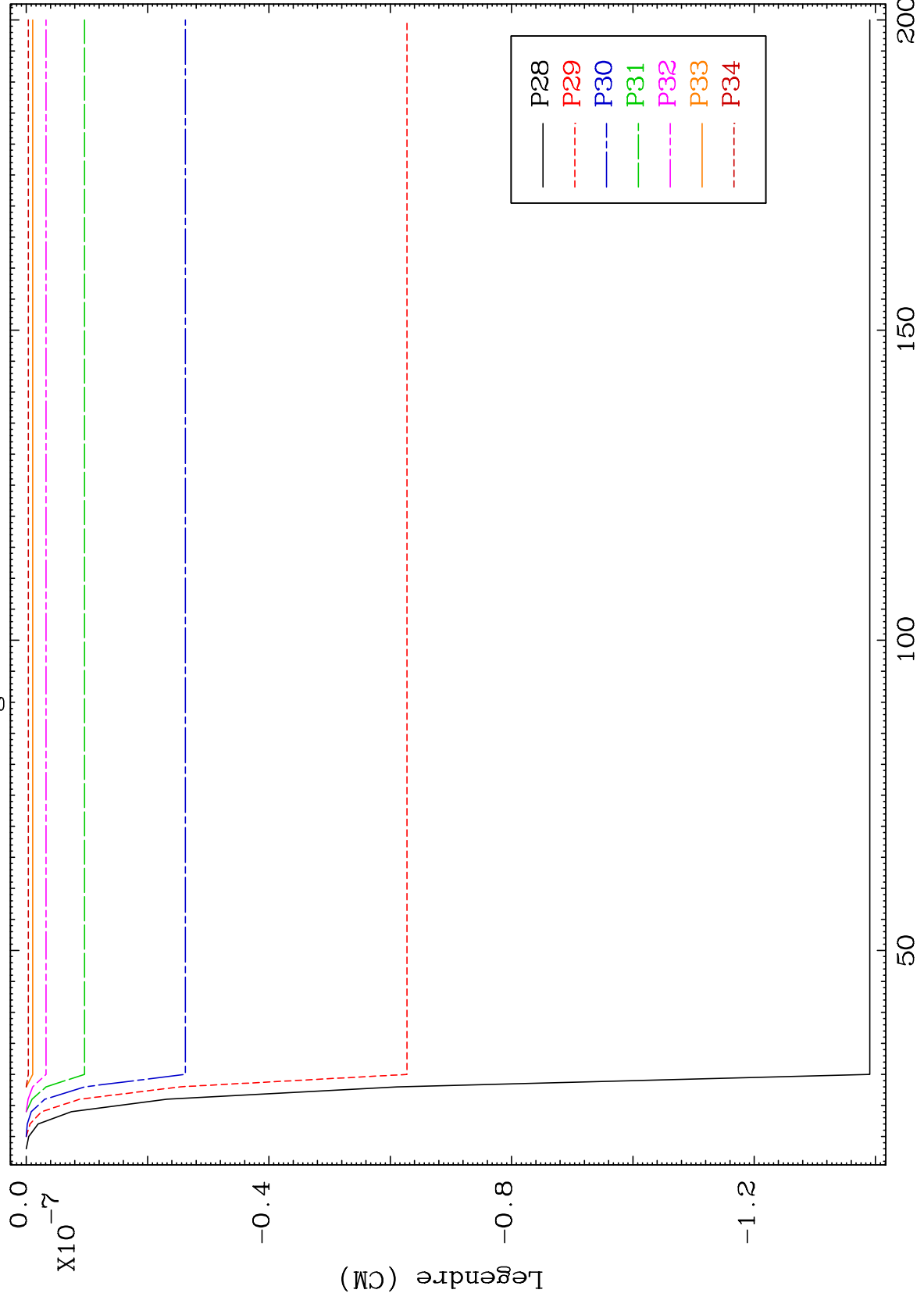
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144

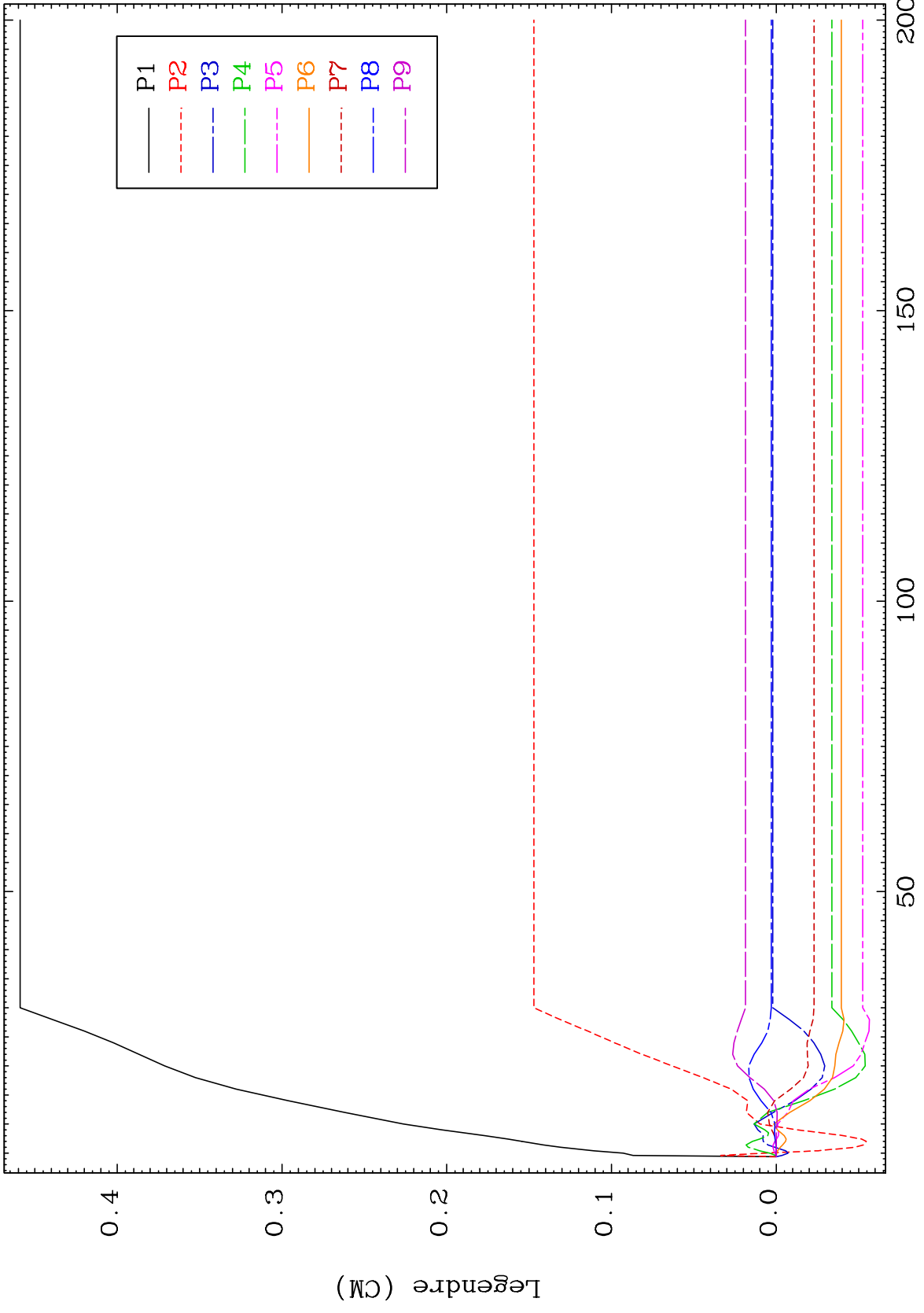


66-Dy-144

Incident Energy (MeV)

60

MAT 6589 MT= 63 (n,n') Level Legendre Coefficients 66-Dy-144

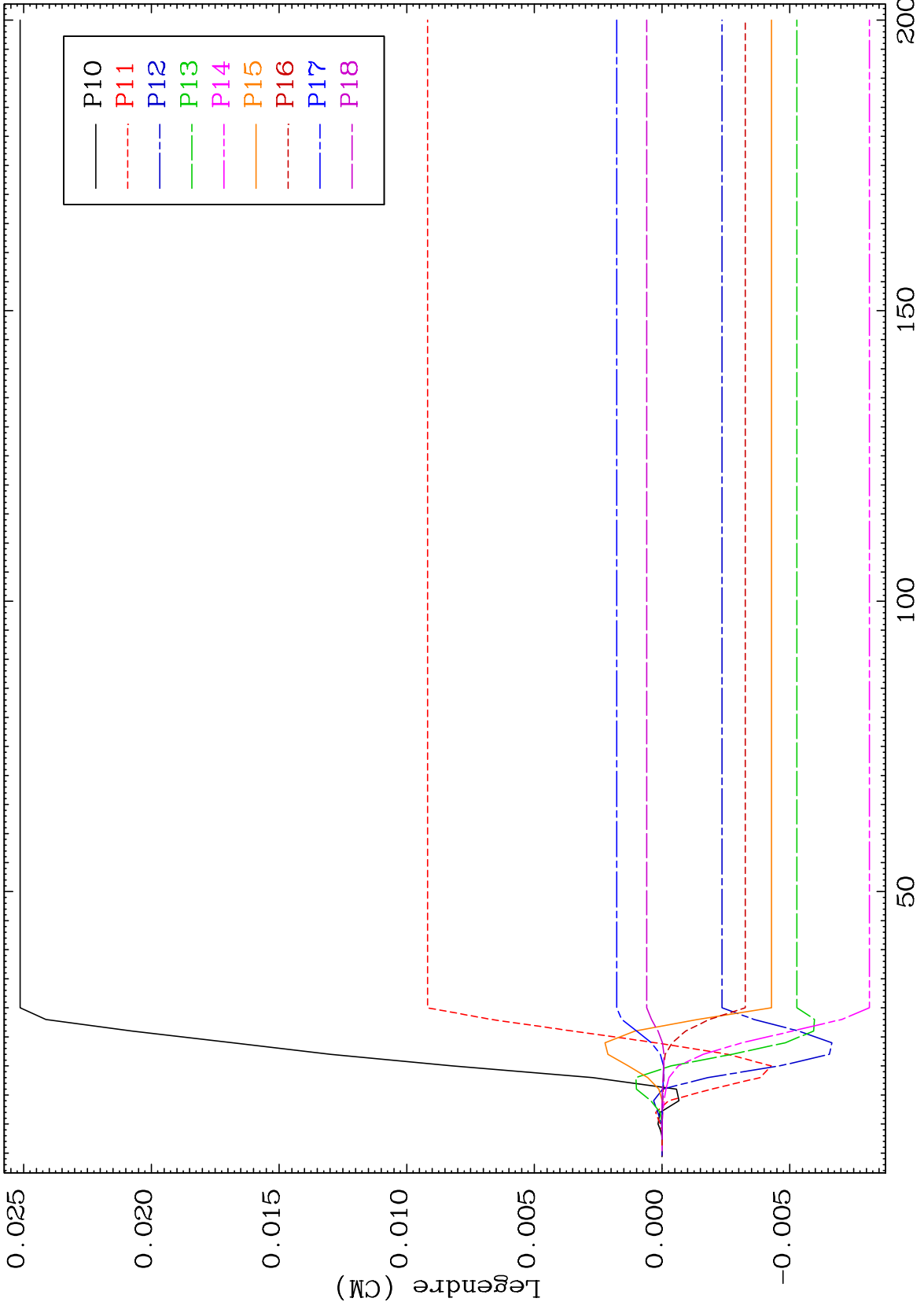


61 66-Dy-144

MAT 6589

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

66-Dy-144



66-Dy-144

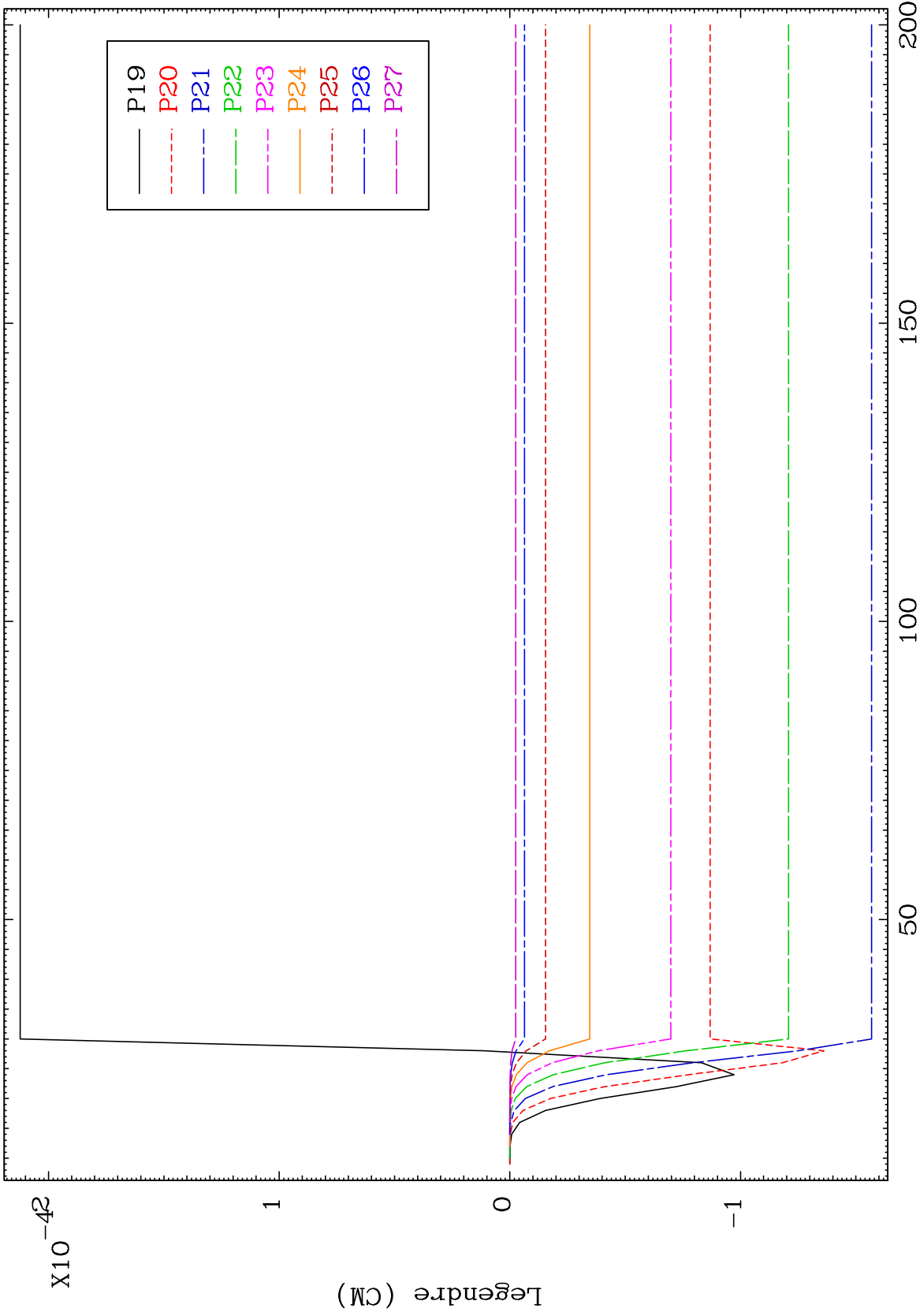
Incident Energy (MeV)

62

MAT 6589

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

66-Dy-144



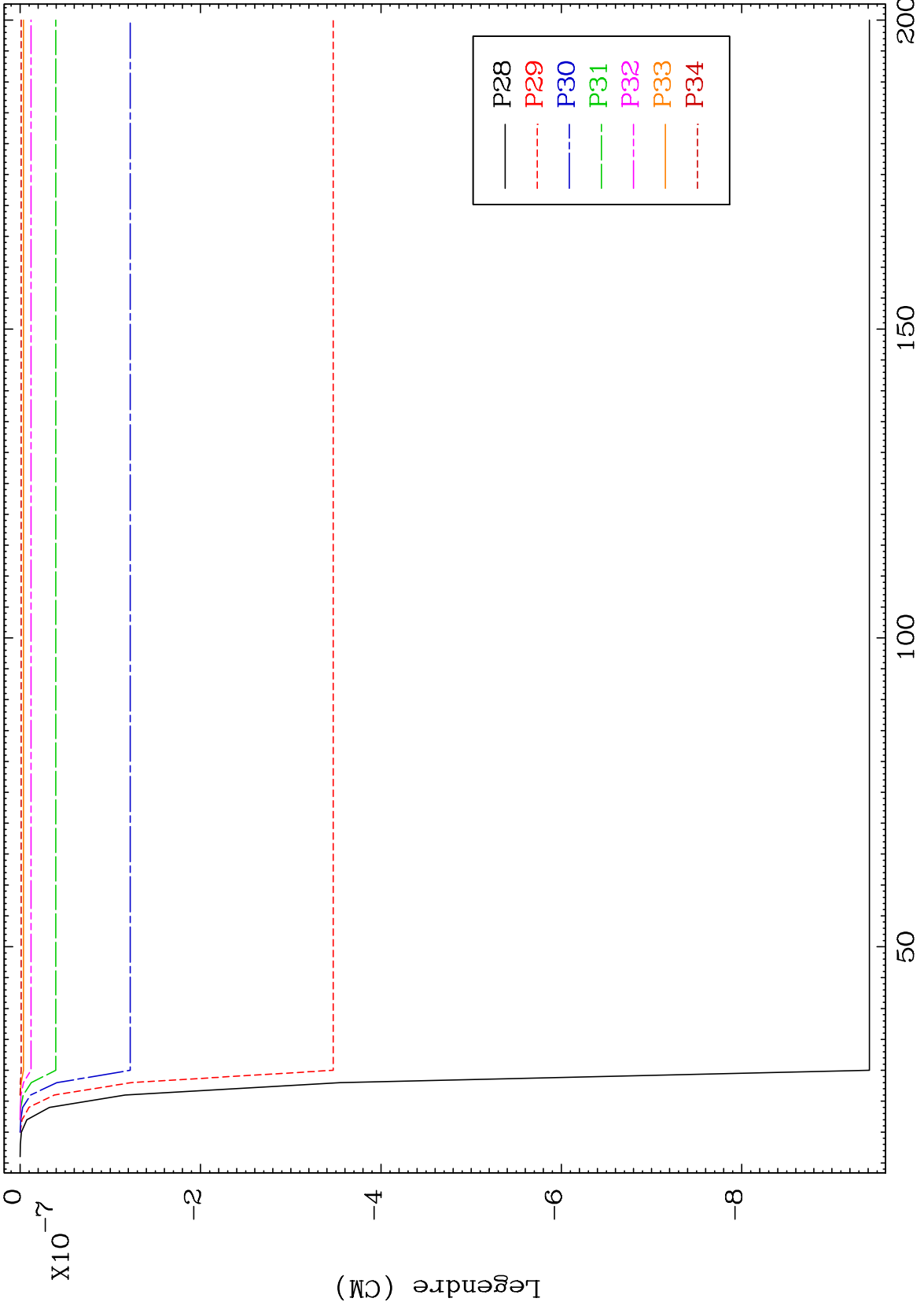
63

Incident Energy (MeV)

66-Dy-144

MAT 6589 MT= 63 (n,n') Level 66-Dy-144

Legendre Coefficients

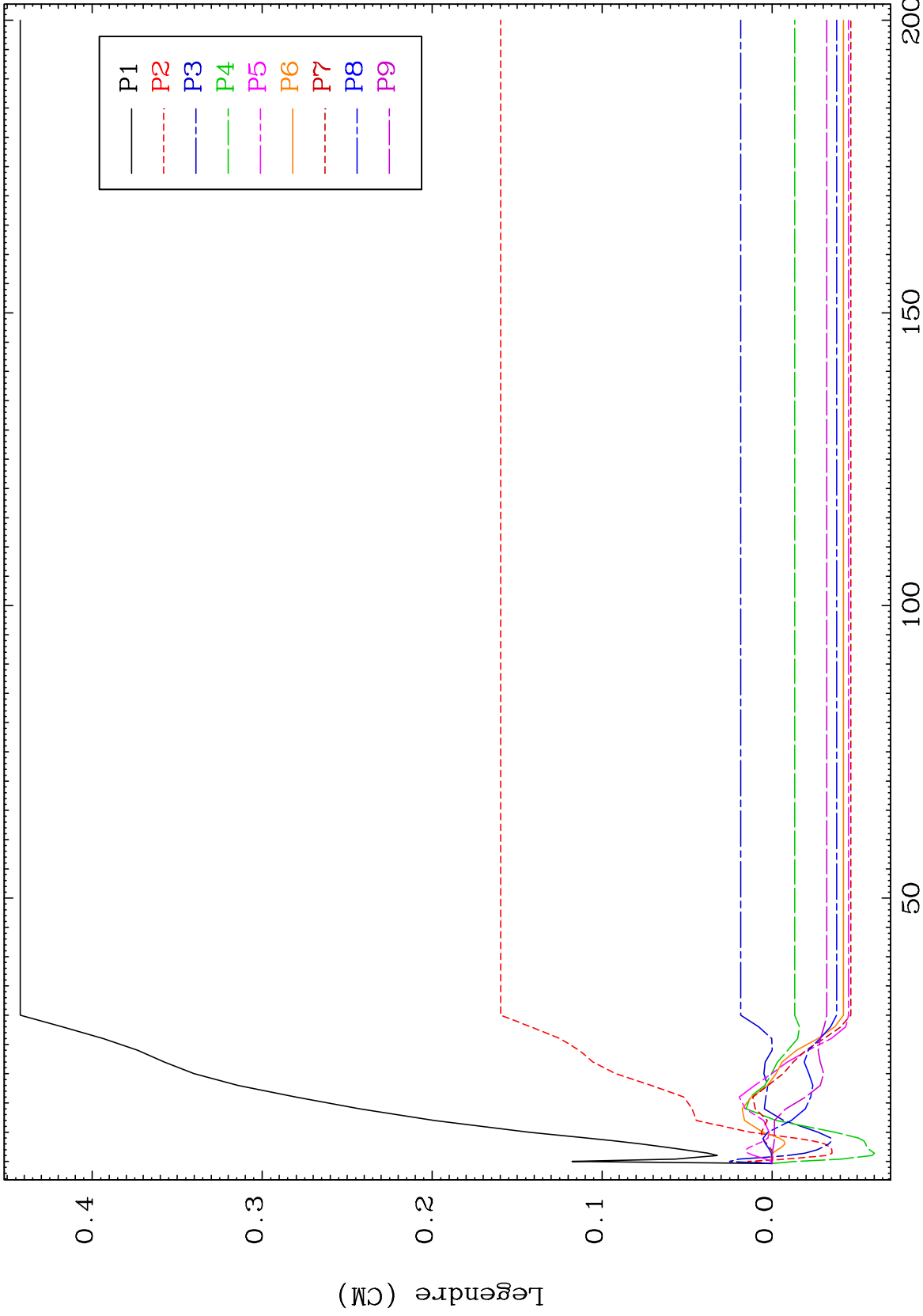


64 66-Dy-144

MAT 6589

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

66-Dy-144



65

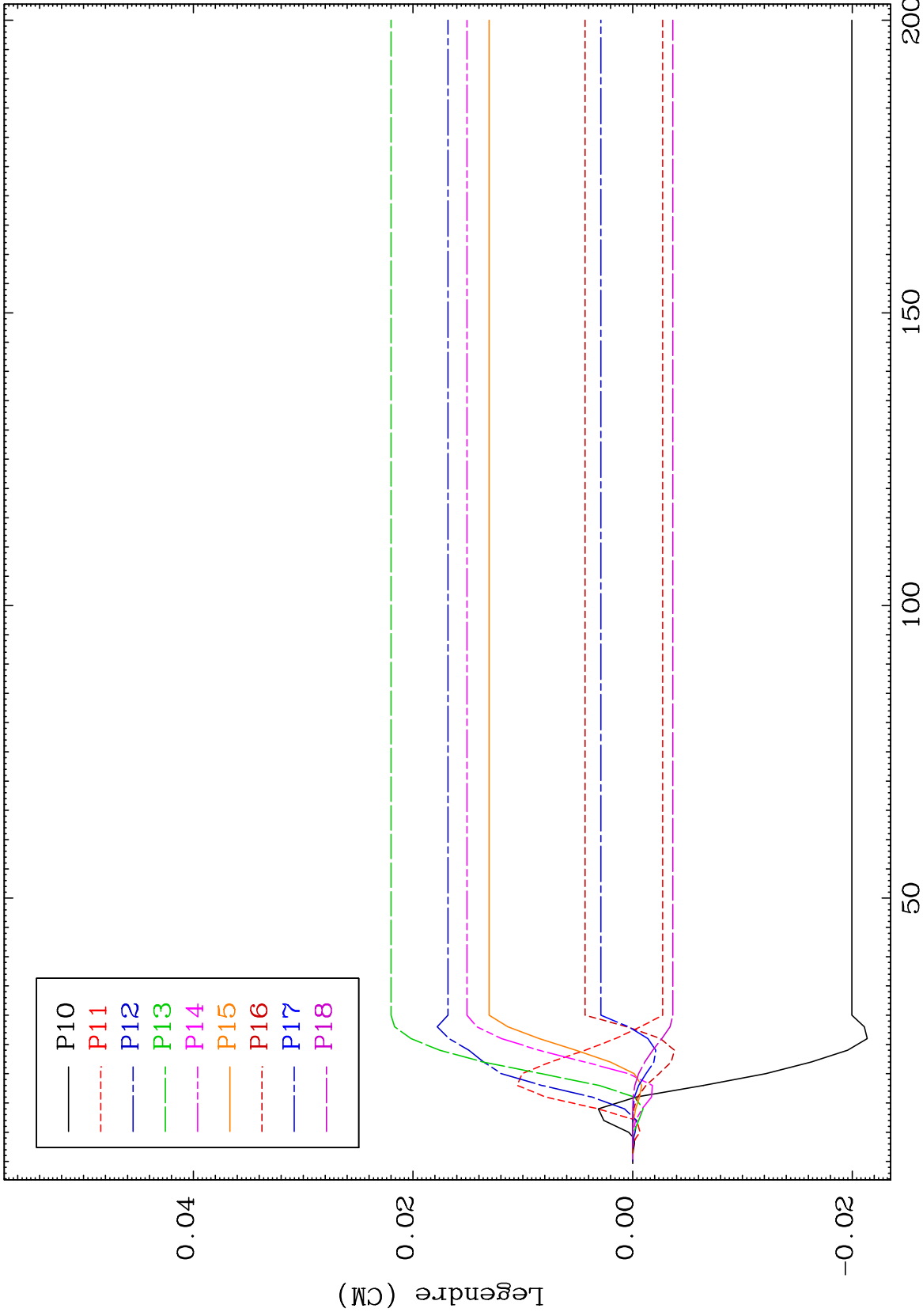
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



66

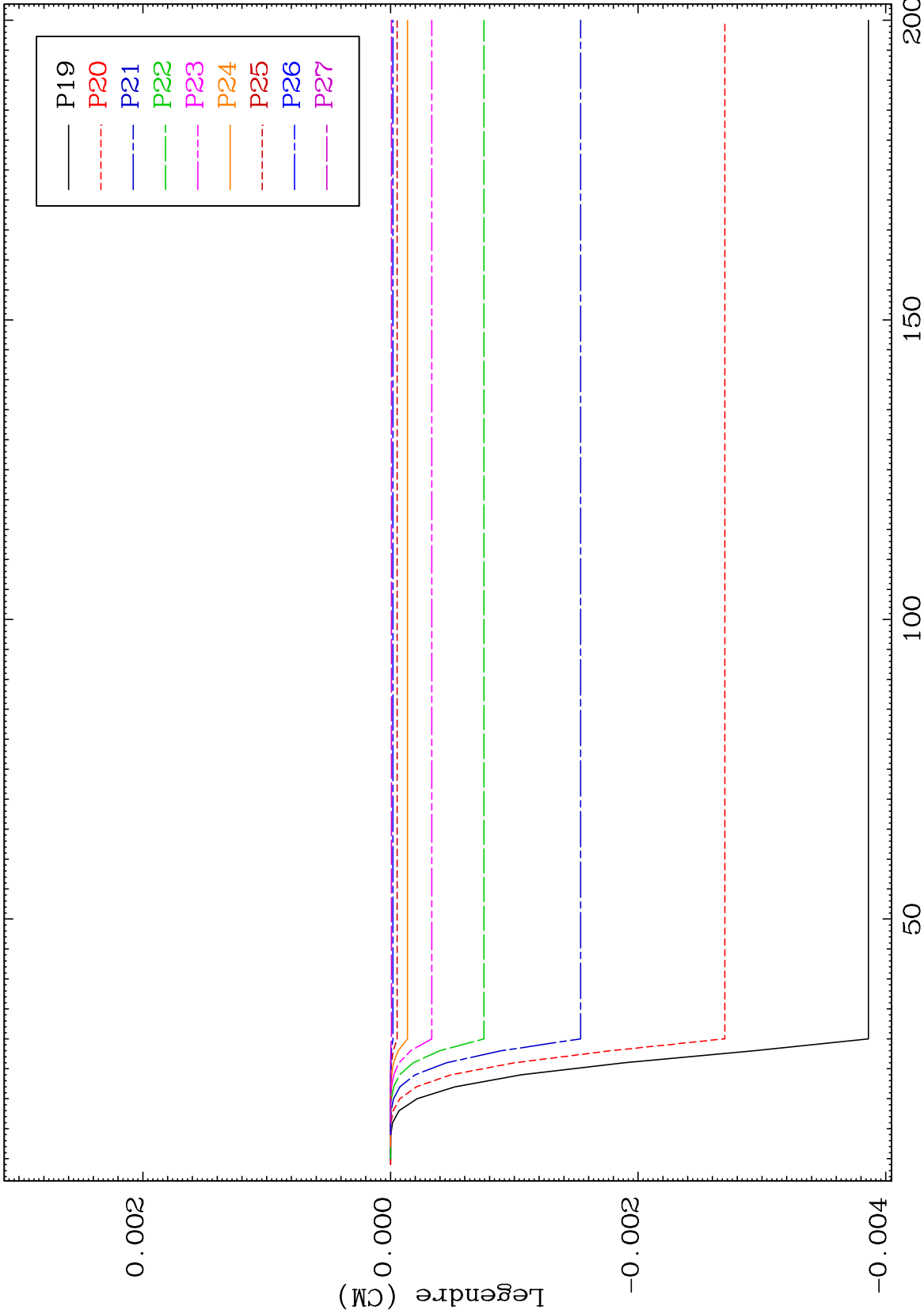
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



67

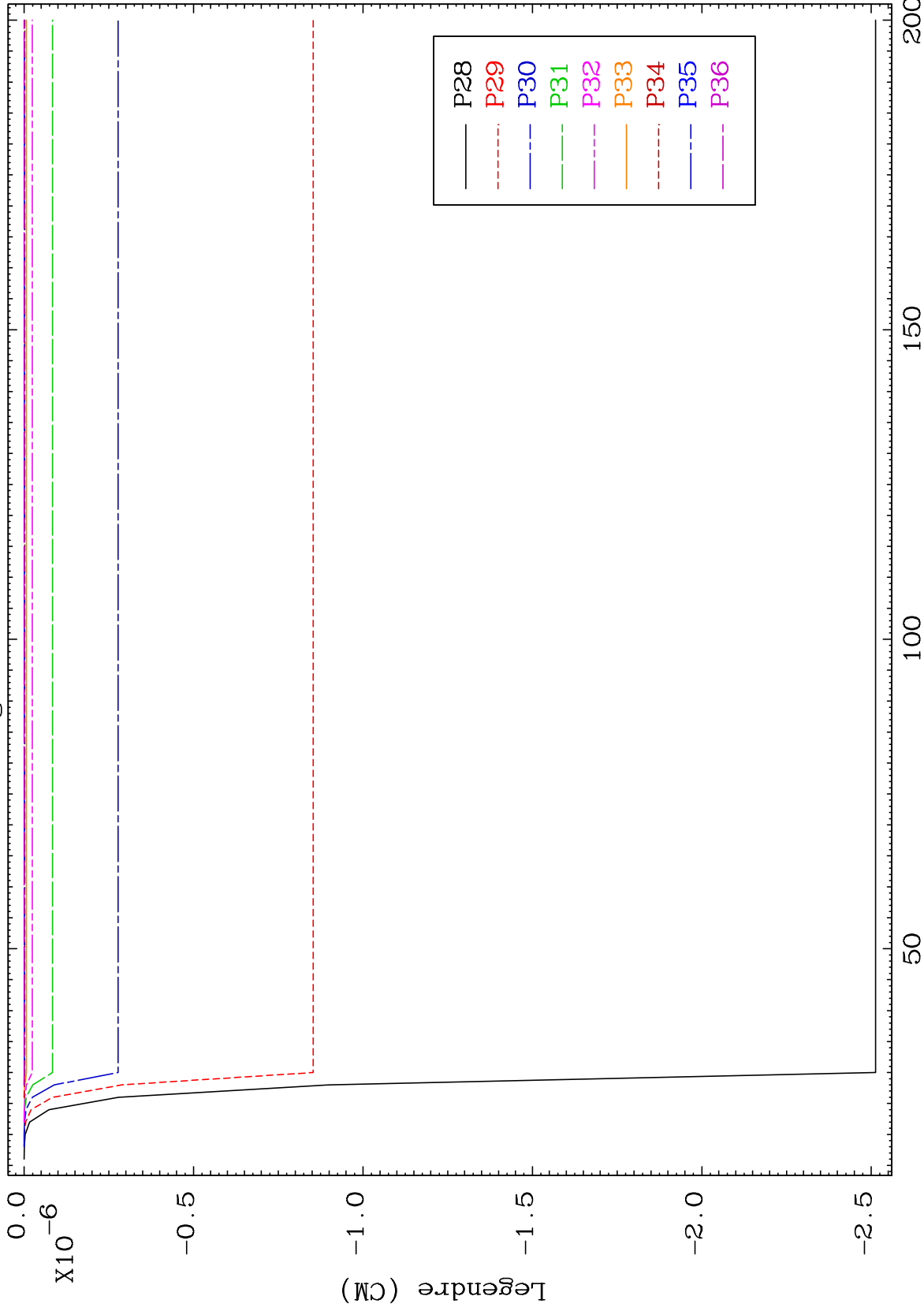
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



68

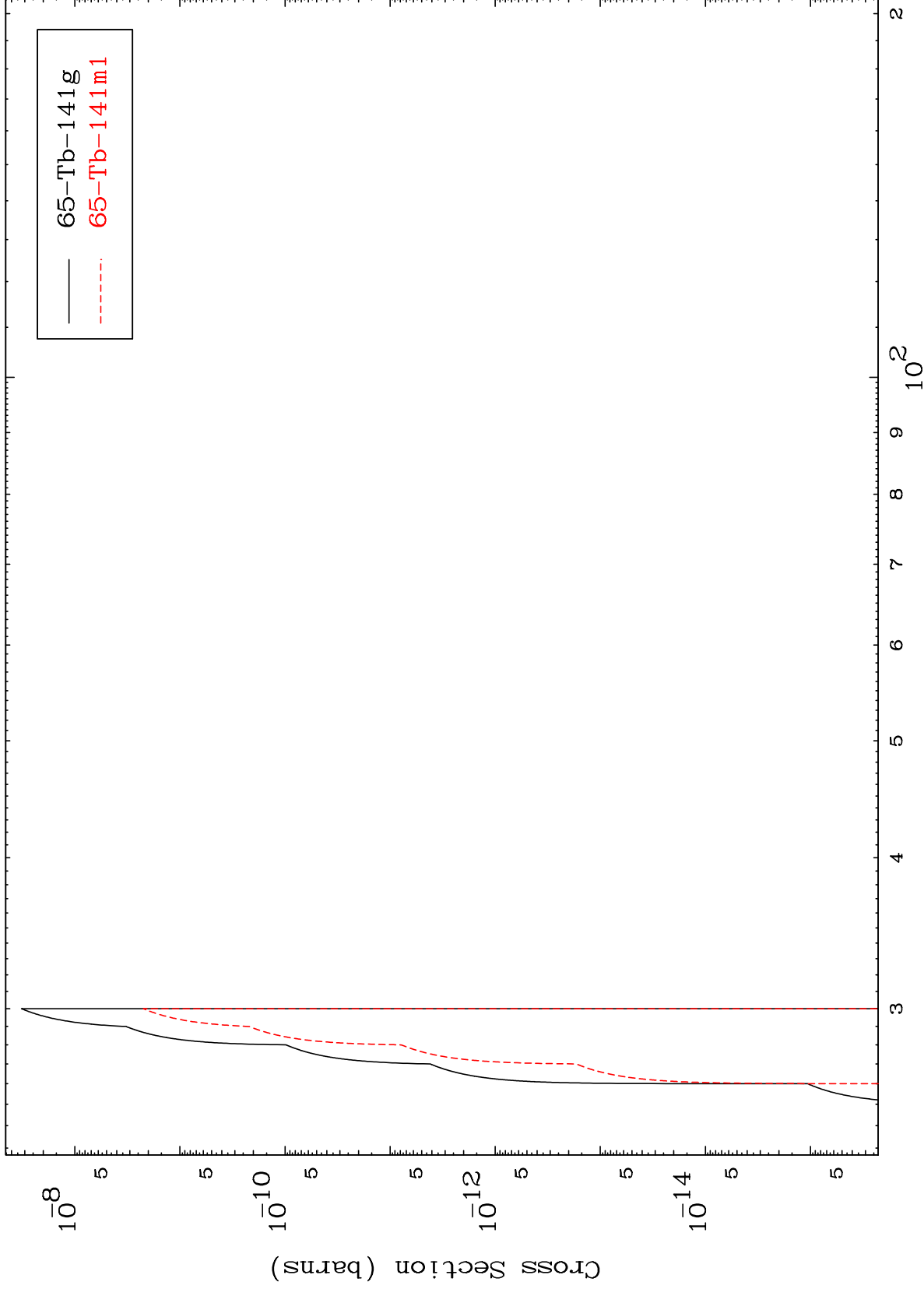
66-Dy-144

MAT 6589

(n,2n) d

66-Dy-144

Radionuclide Production Cross Section



69

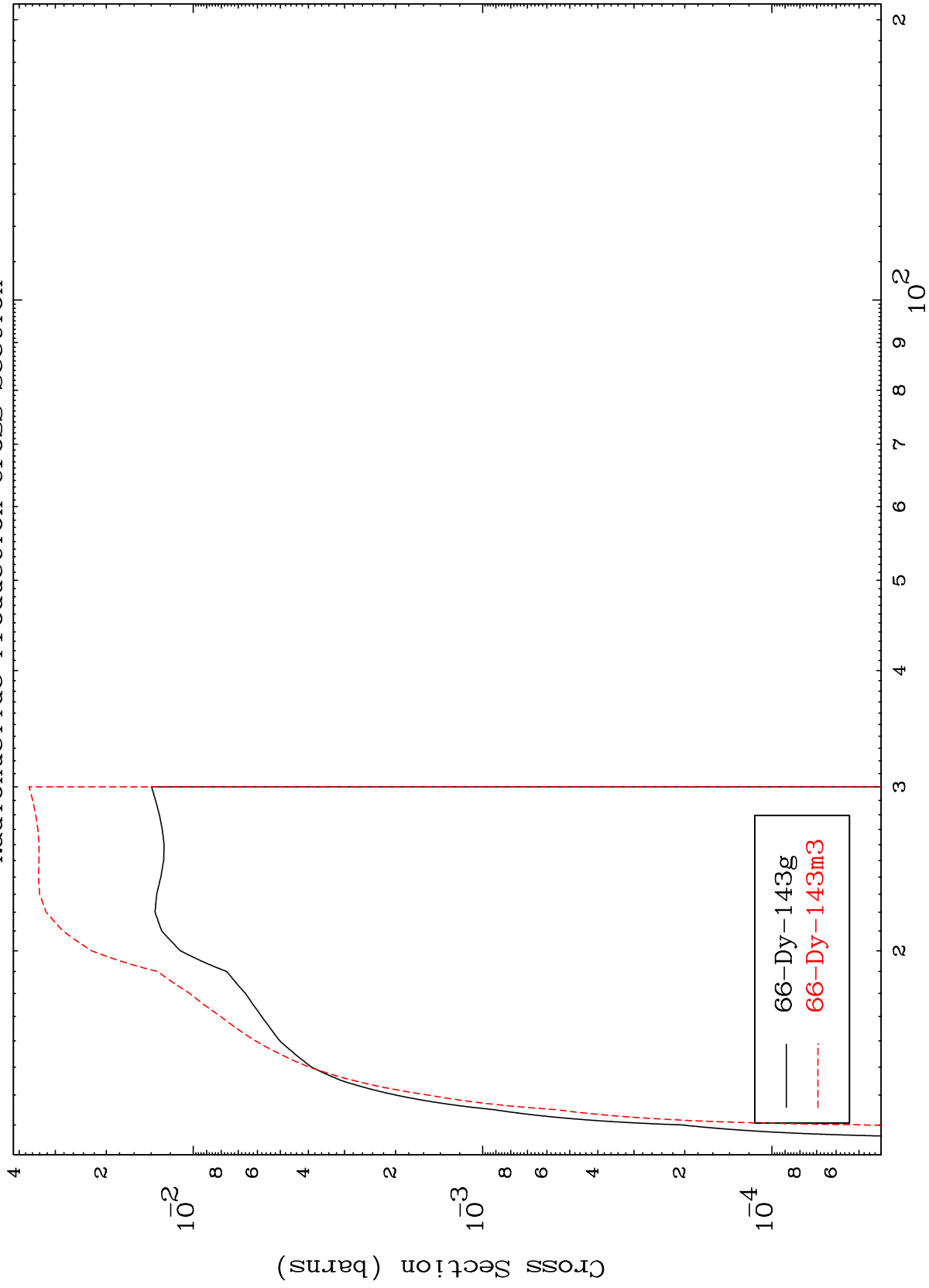
Incident Energy (MeV)

66-Dy-144

MAT 6589

66-Dy-144

(n,2n)
Radionuclide Production Cross Section



70

Incident Energy (MeV)

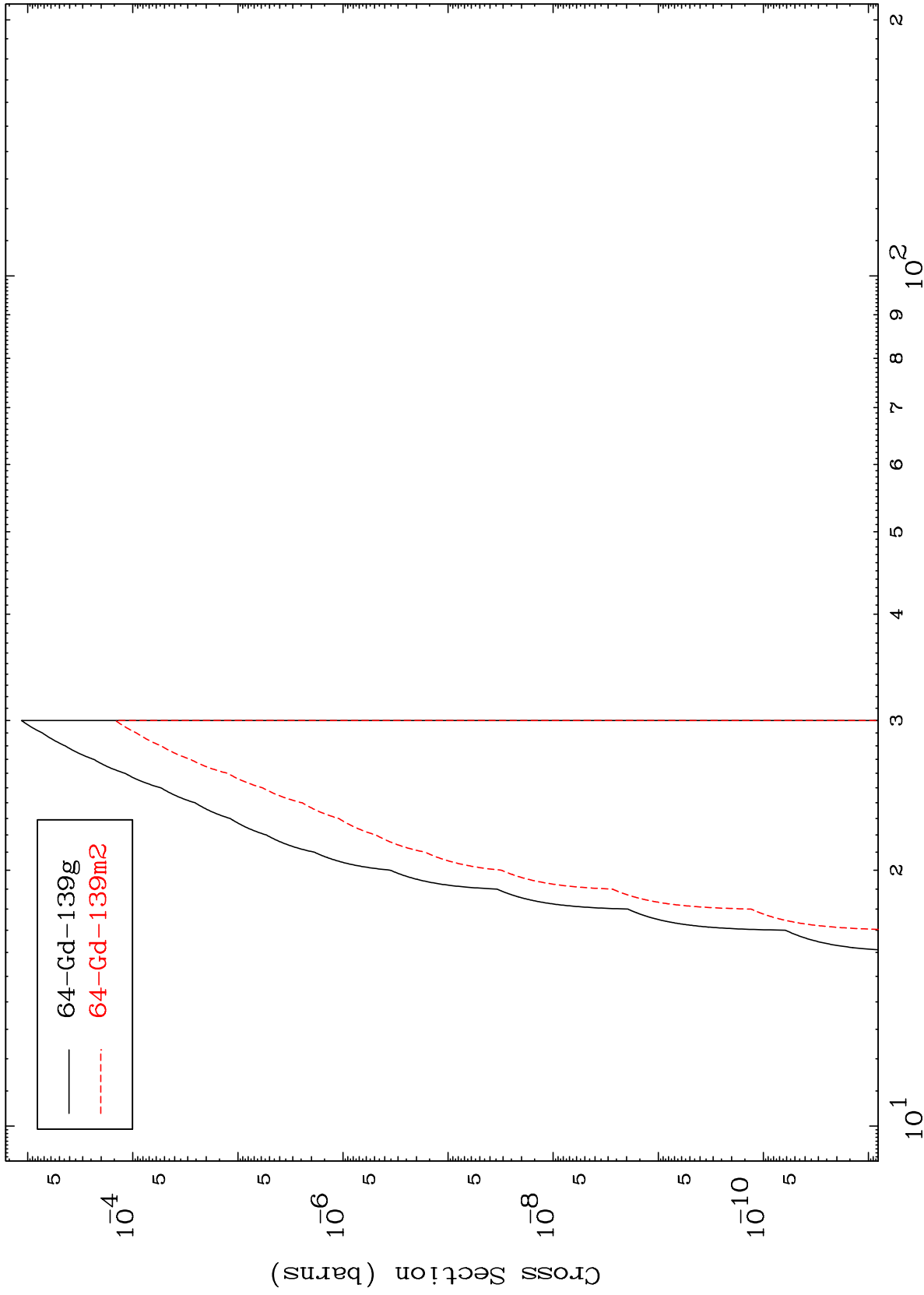
66-Dy-144

MAT 6589

(n,2n) α

66-Dy-144

Radionuclide Production Cross Section



71

Incident Energy (MeV)

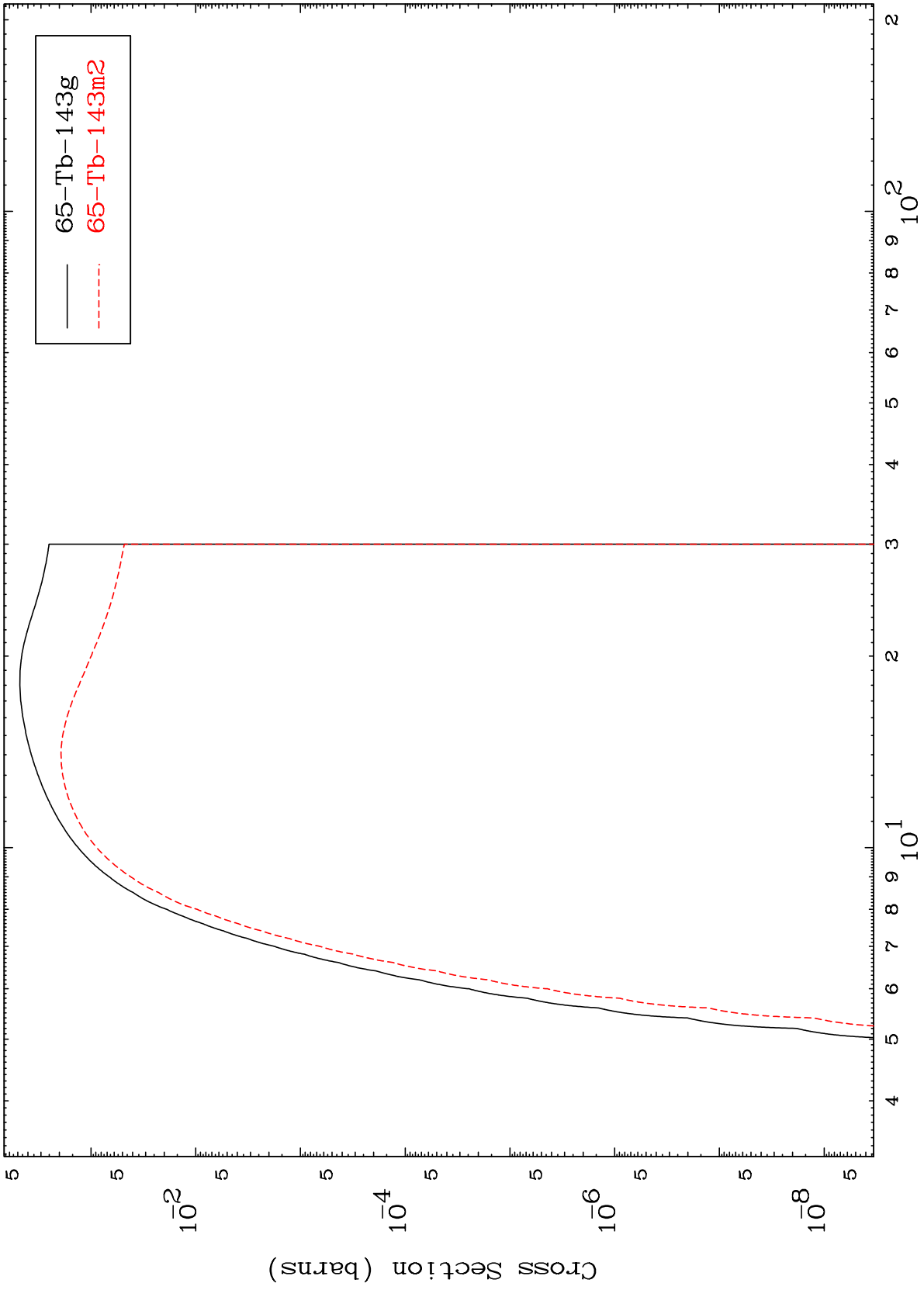
66-Dy-144

MAT 6589

(n,n') p

66-Dy-144

Radionuclide Production Cross Section



72

Incident Energy (MeV)

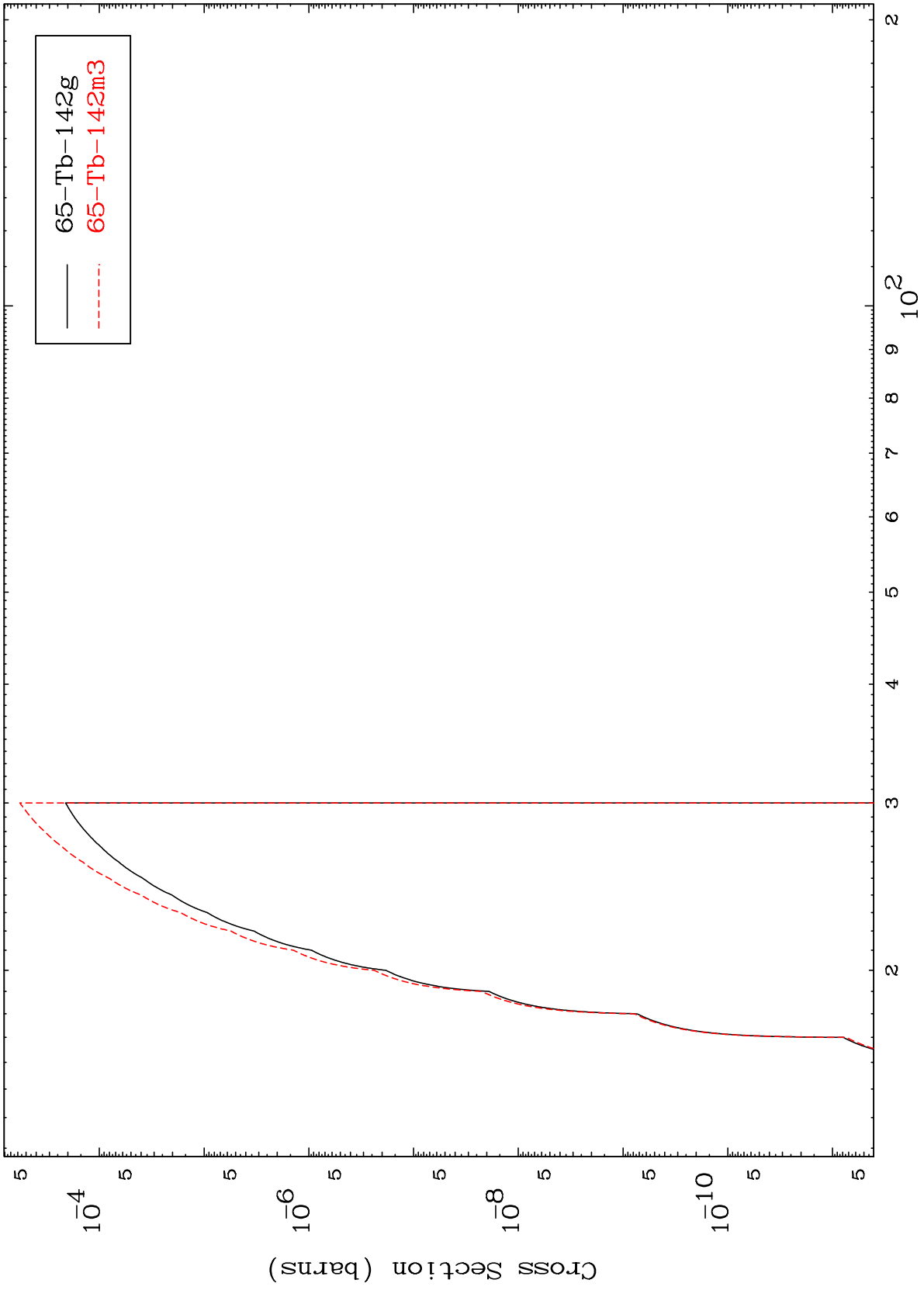
66-Dy-144

MAT 6589

(n,n') d

66-Dy-144

Radionuclide Production Cross Section



73

Incident Energy (MeV)

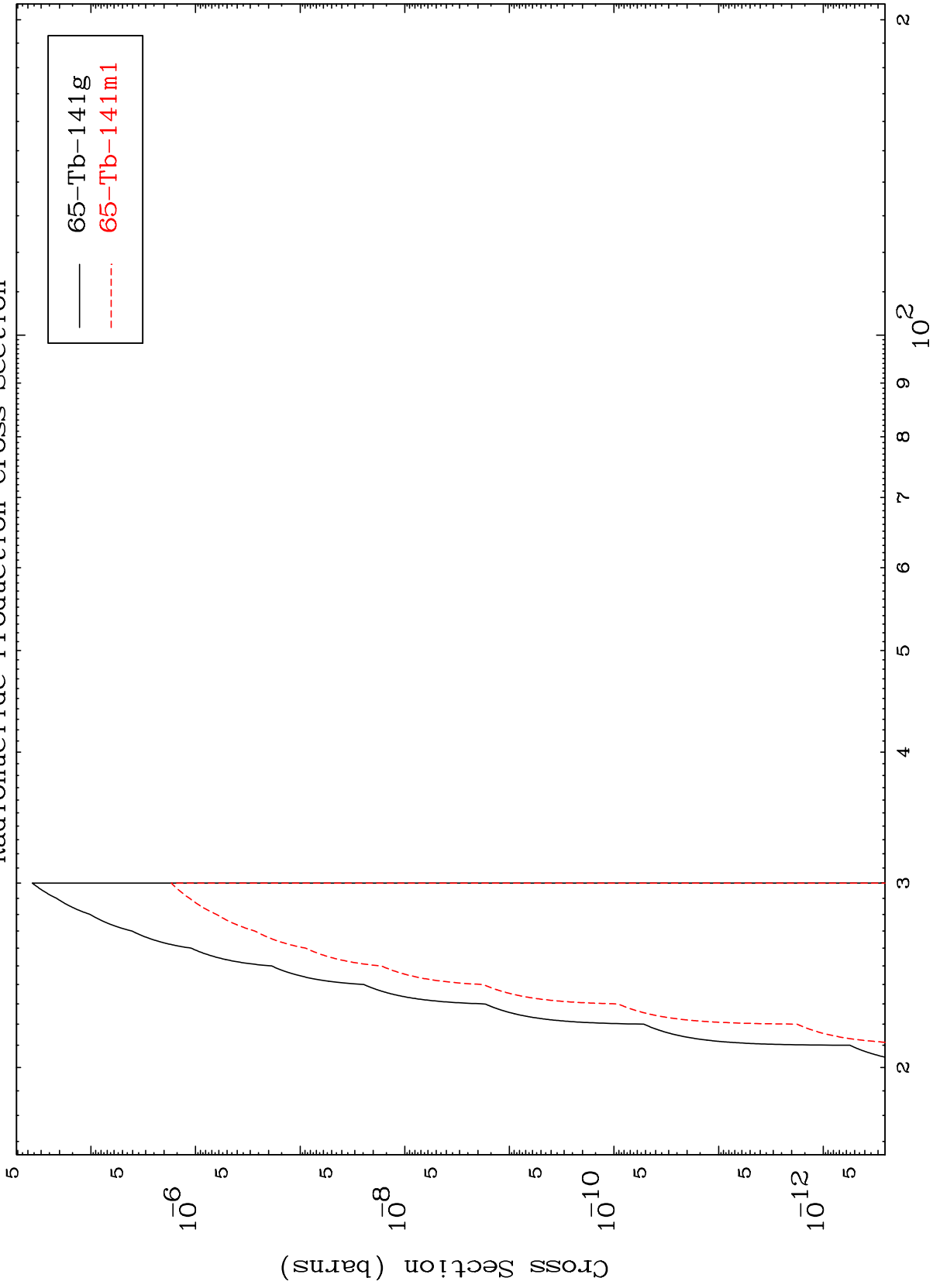
66-Dy-144

MAT 6589

(n,n') t

66-Dy-144

Radionuclide Production Cross Section



74

Incident Energy (MeV)

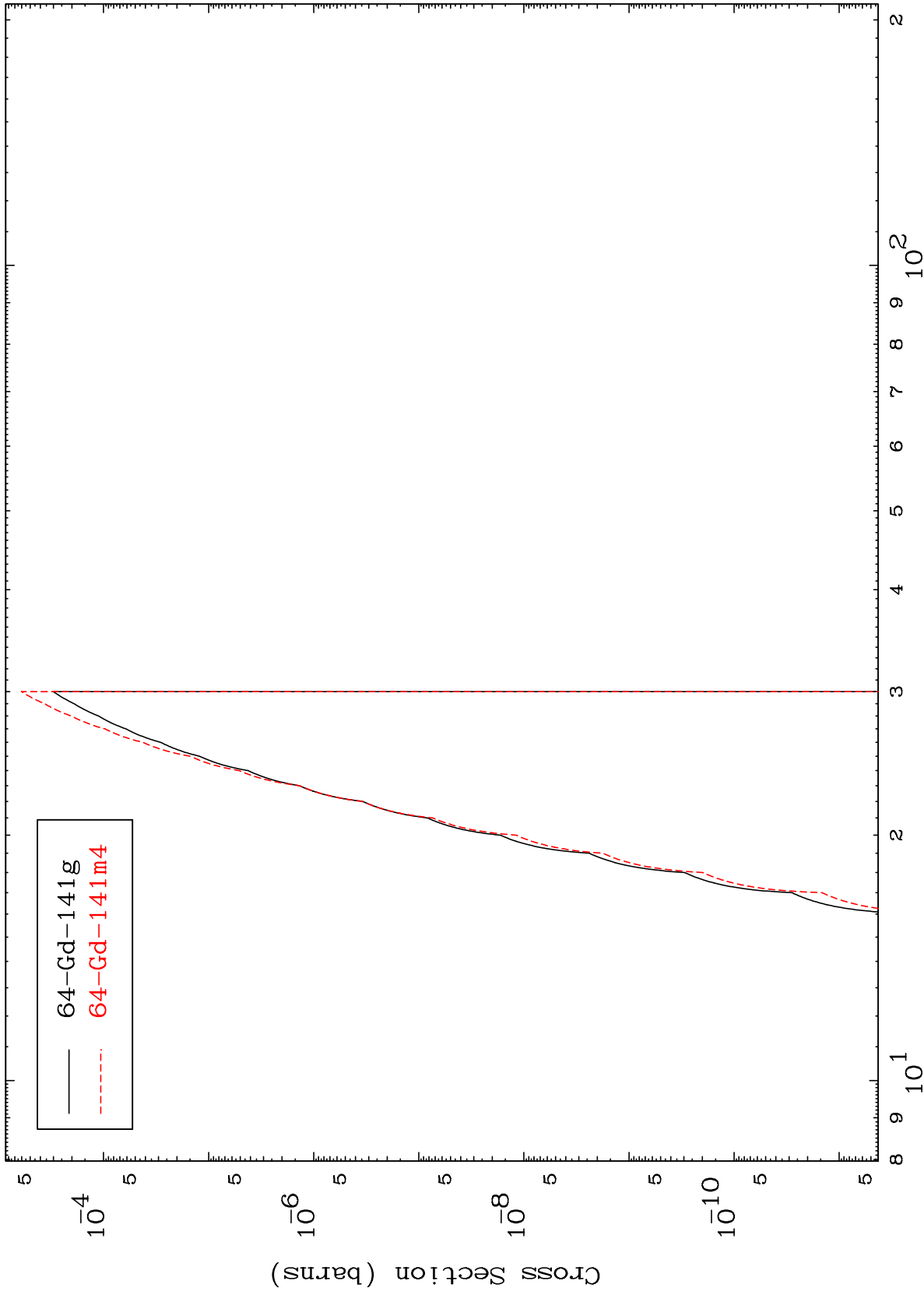
66-Dy-144

MAT 6589

(n, n') He-3

66-Dy-144

Radionuclide Production Cross Section



64-Gd-141g
64-Gd-141m4

75

Incident Energy (MeV)

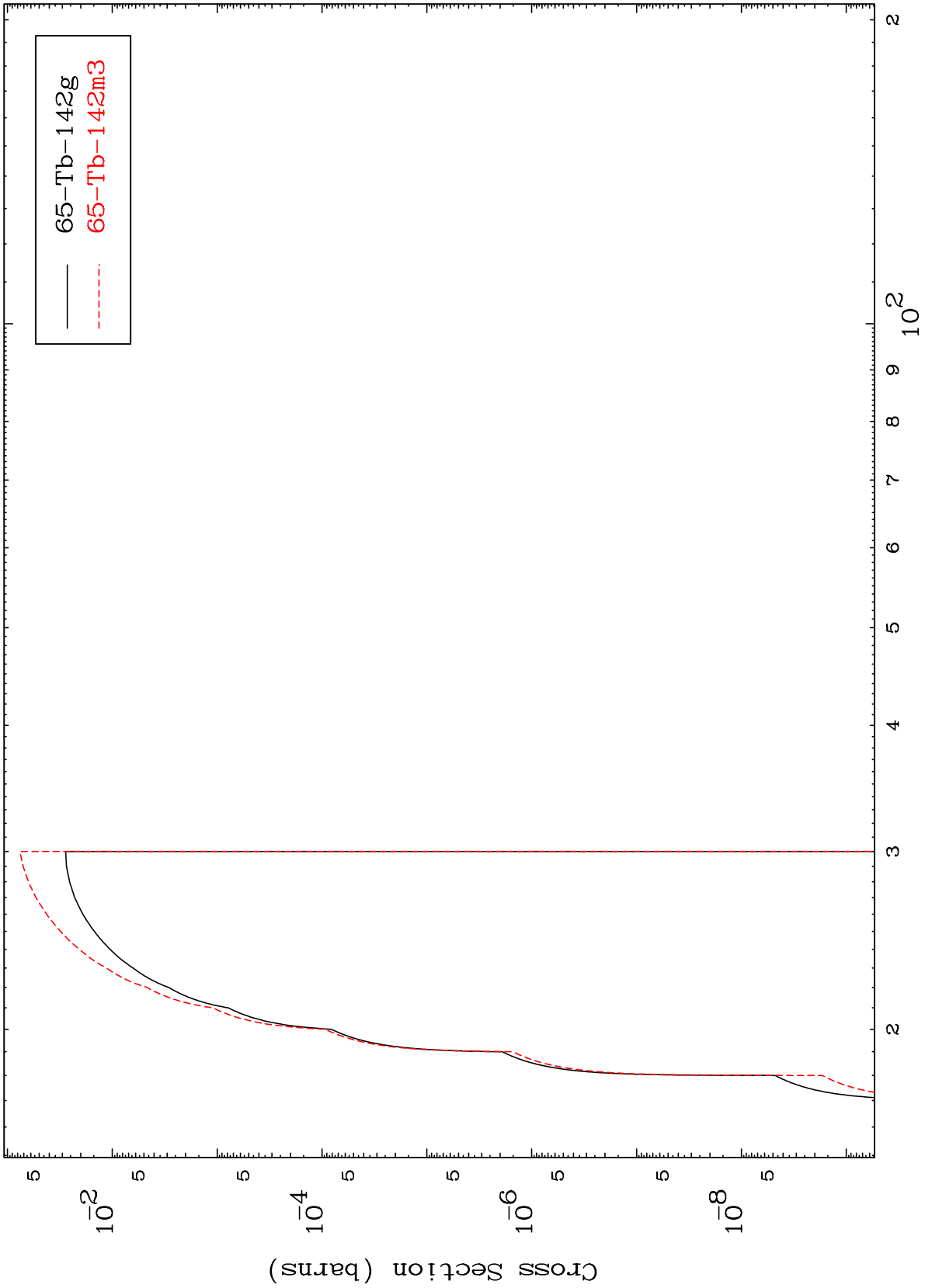
66-Dy-144

MAT 6589

(n,2n) p

66-Dy-144

Radionuclide Production Cross Section



76

Incident Energy (MeV)

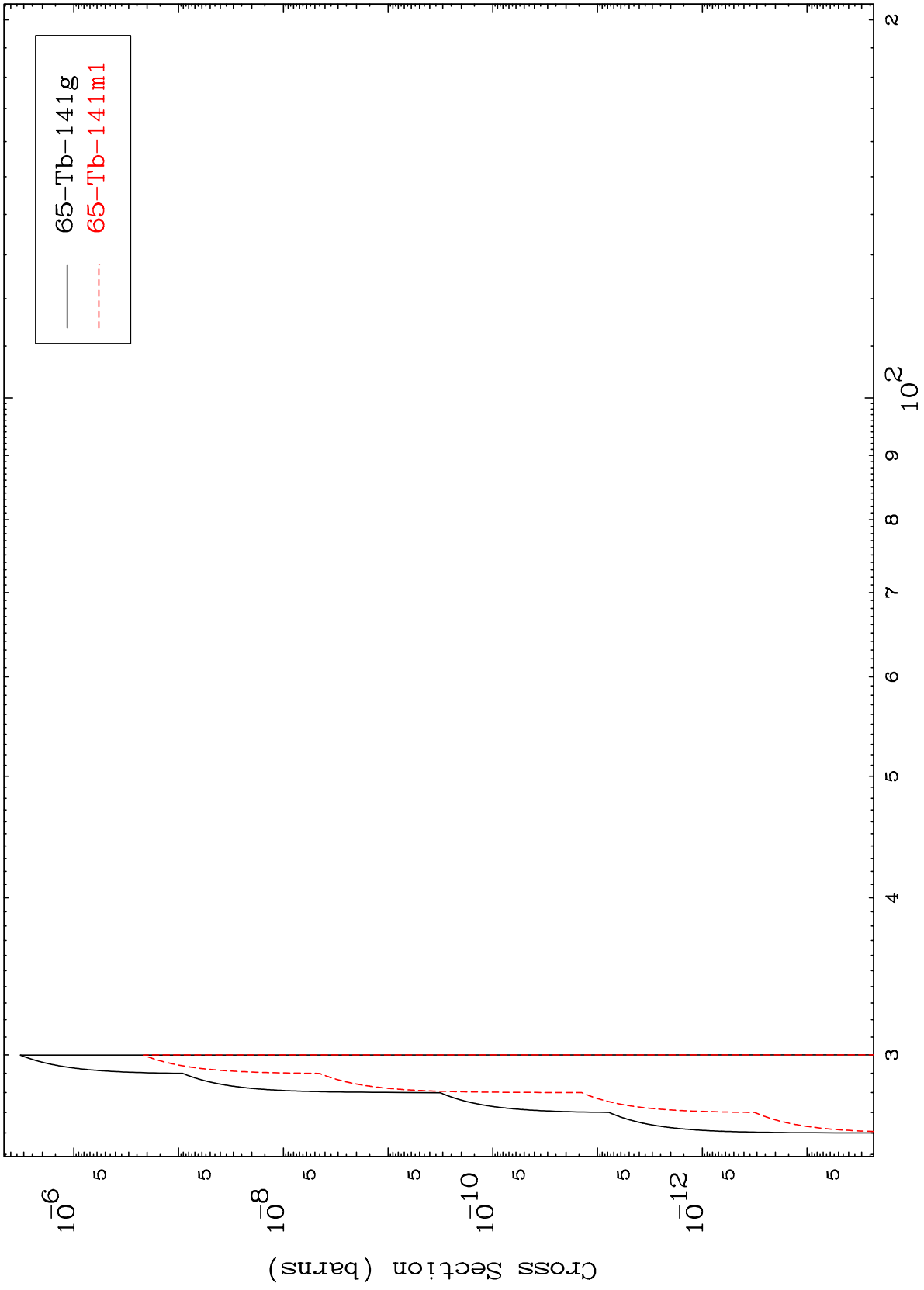
66-Dy-144

MAT 6589

(n,3n) p

66-Dy-144

Radionuclide Production Cross Section



77

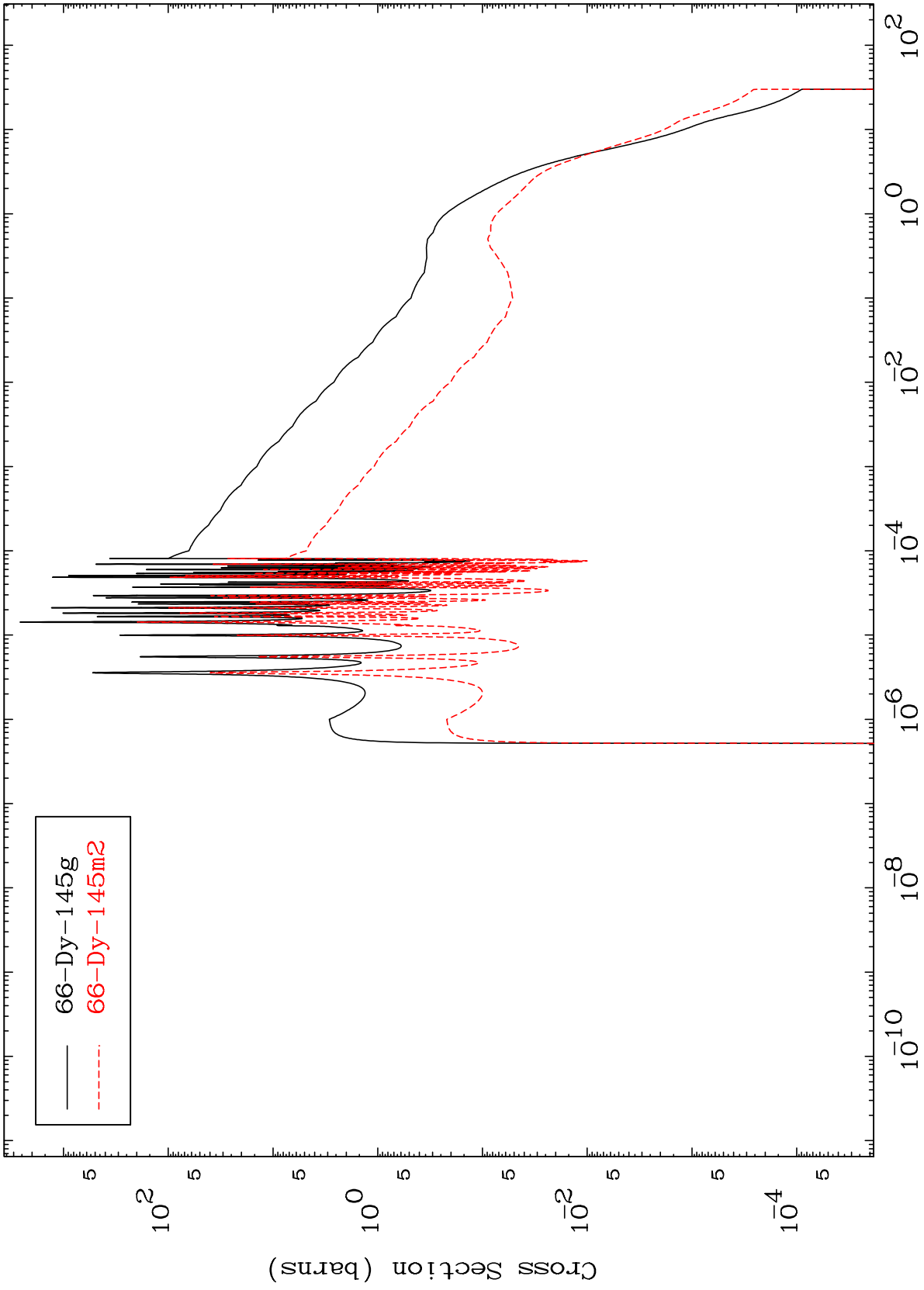
Incident Energy (MeV)

66-Dy-144

MAT 6589

Radionuclide Production Cross Section
(n, γ)

66-Dy-144



78

Incident Energy (MeV)

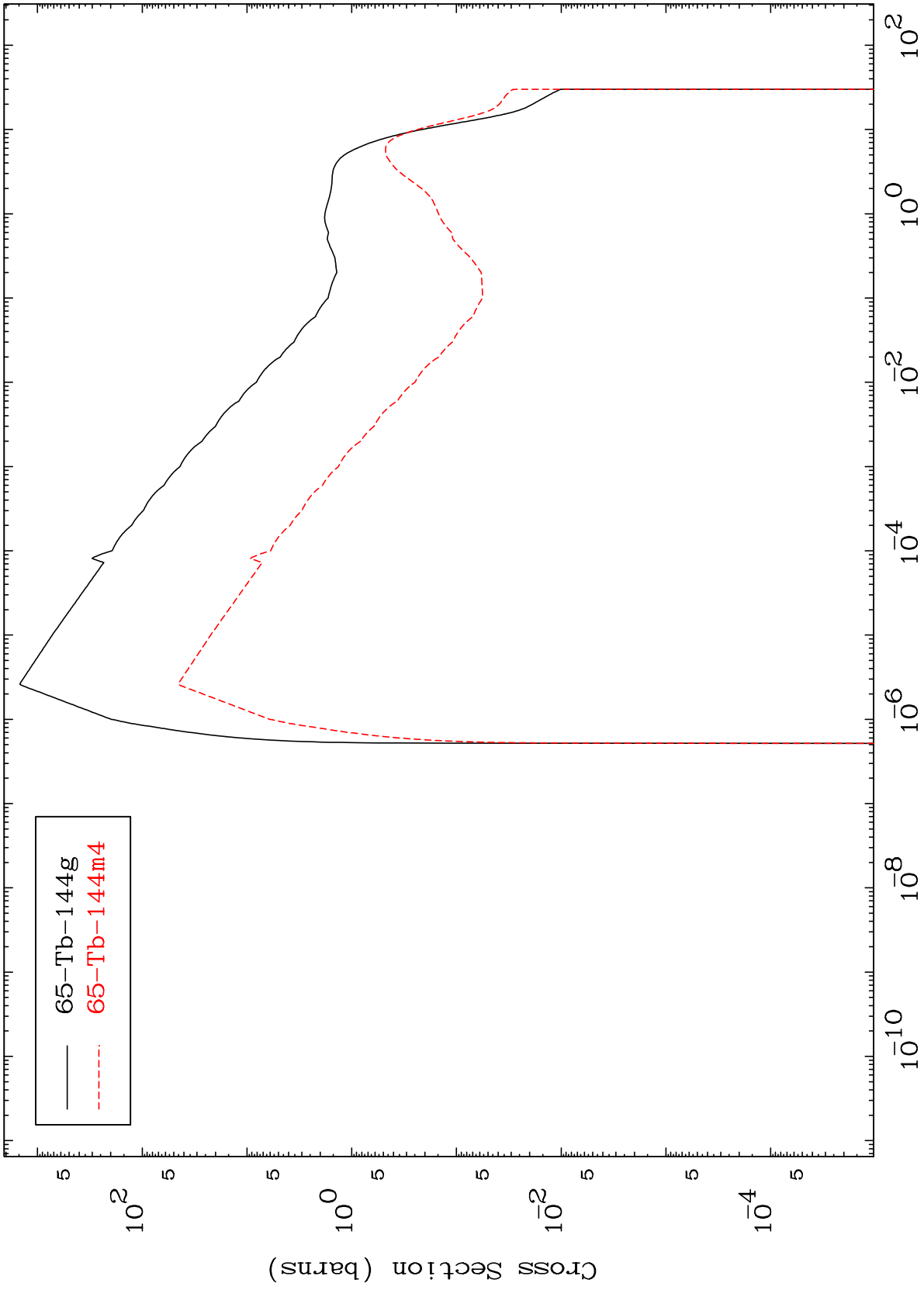
66-Dy-144

MAT 6589

(n,p)

66-Dy-144

Radionuclide Production Cross Section



79

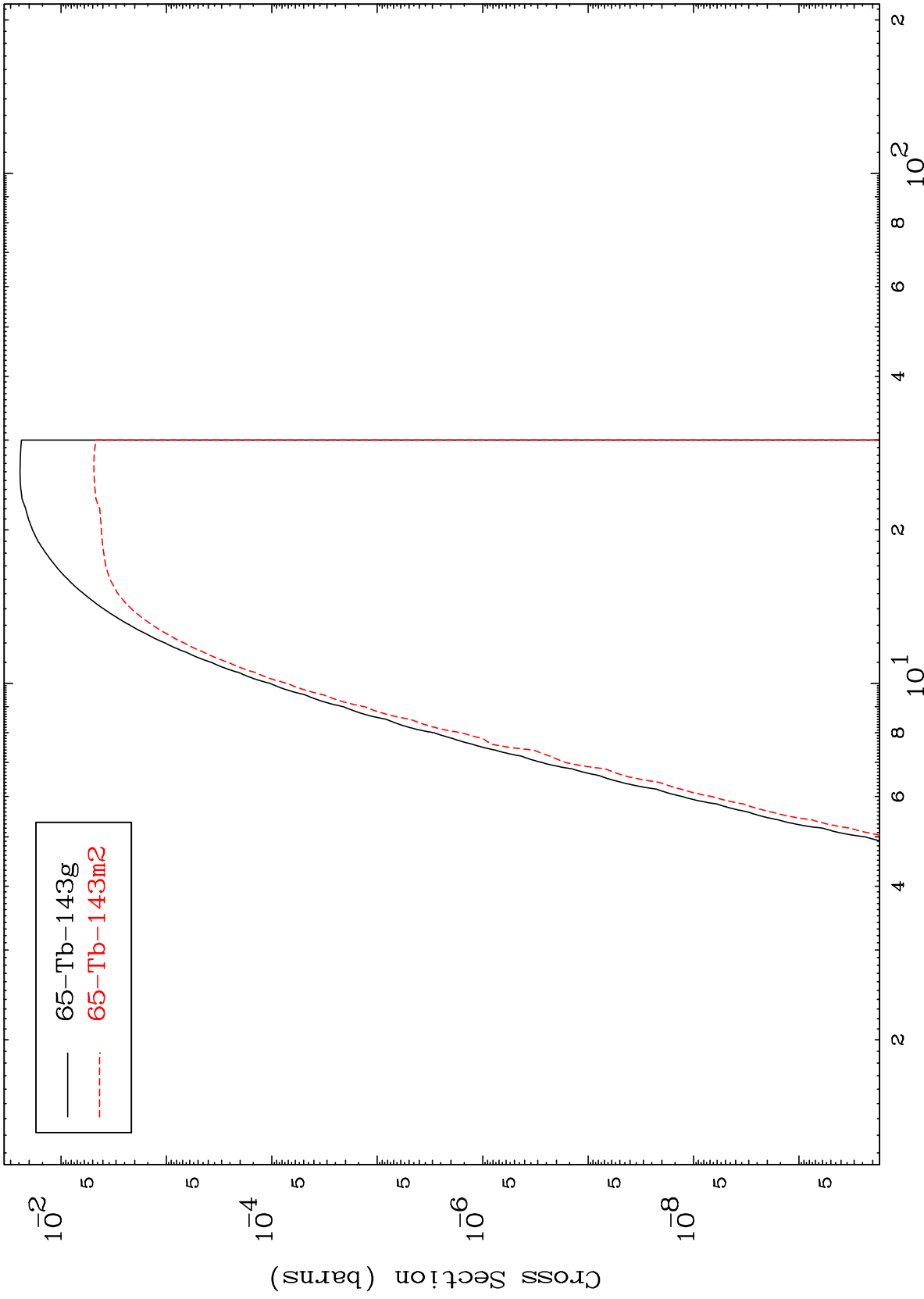
Incident Energy (MeV)

66-Dy-144

MAT 6589

(n,d)
Radionuclide Production Cross Section

66-Dy-144



80

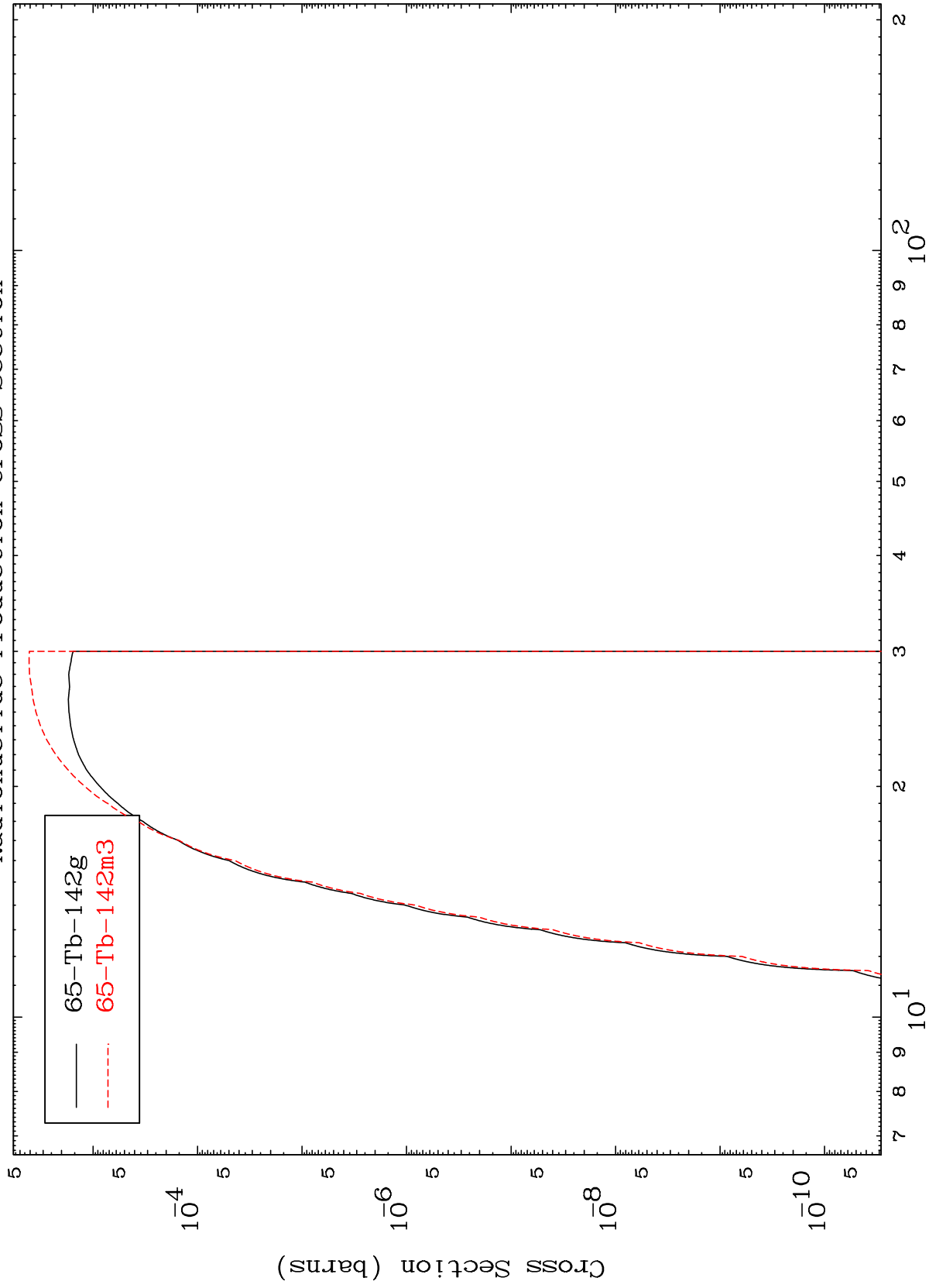
Incident Energy (MeV)

66-Dy-144

MAT 6589

66-Dy-144

(n, t)
Radionuclide Production Cross Section



81

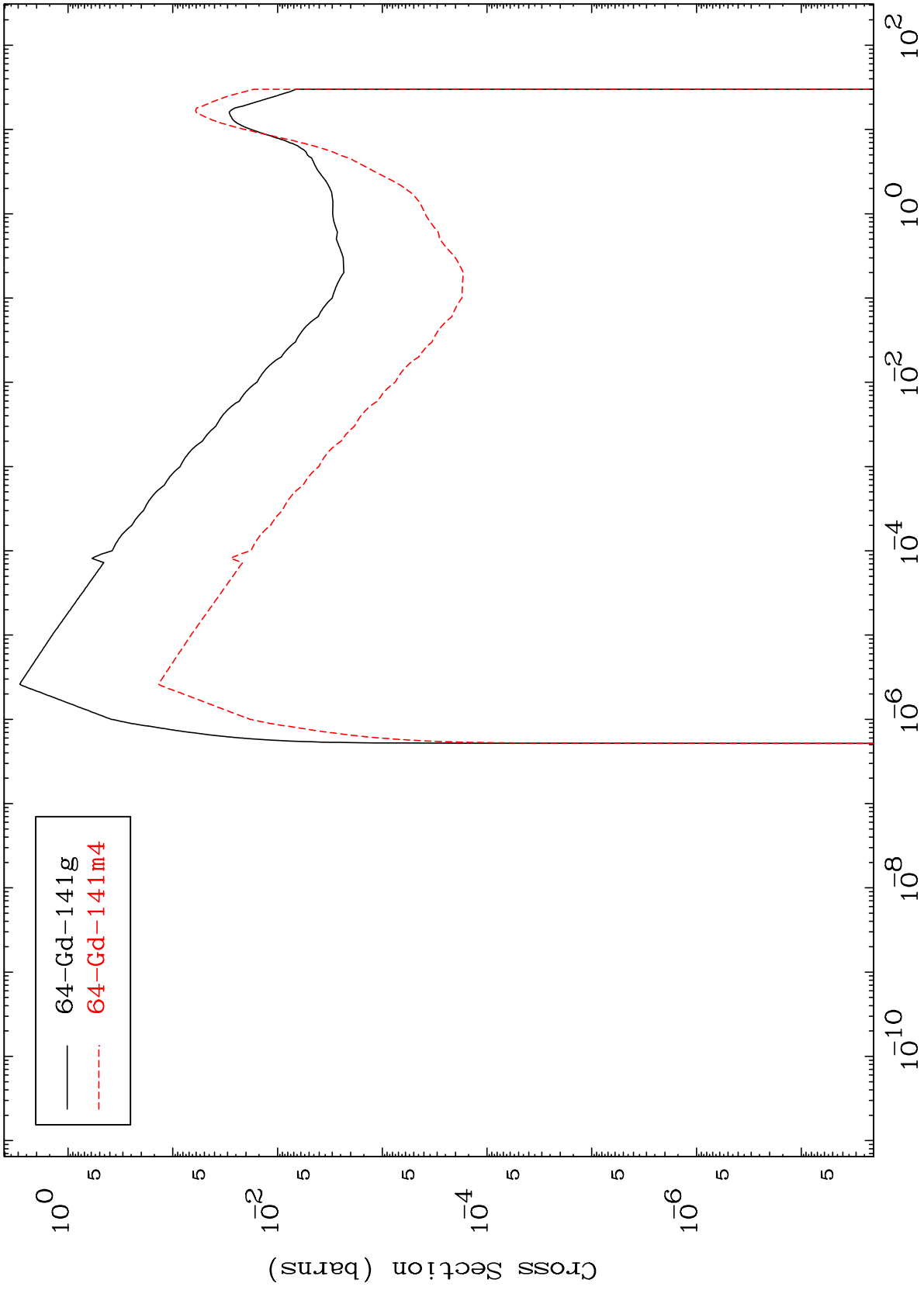
66-Dy-144

Incident Energy (MeV)

MAT 6589

Radionuclide Production Cross Section
(n, α)

66-Dy-144



82

Incident Energy (MeV)

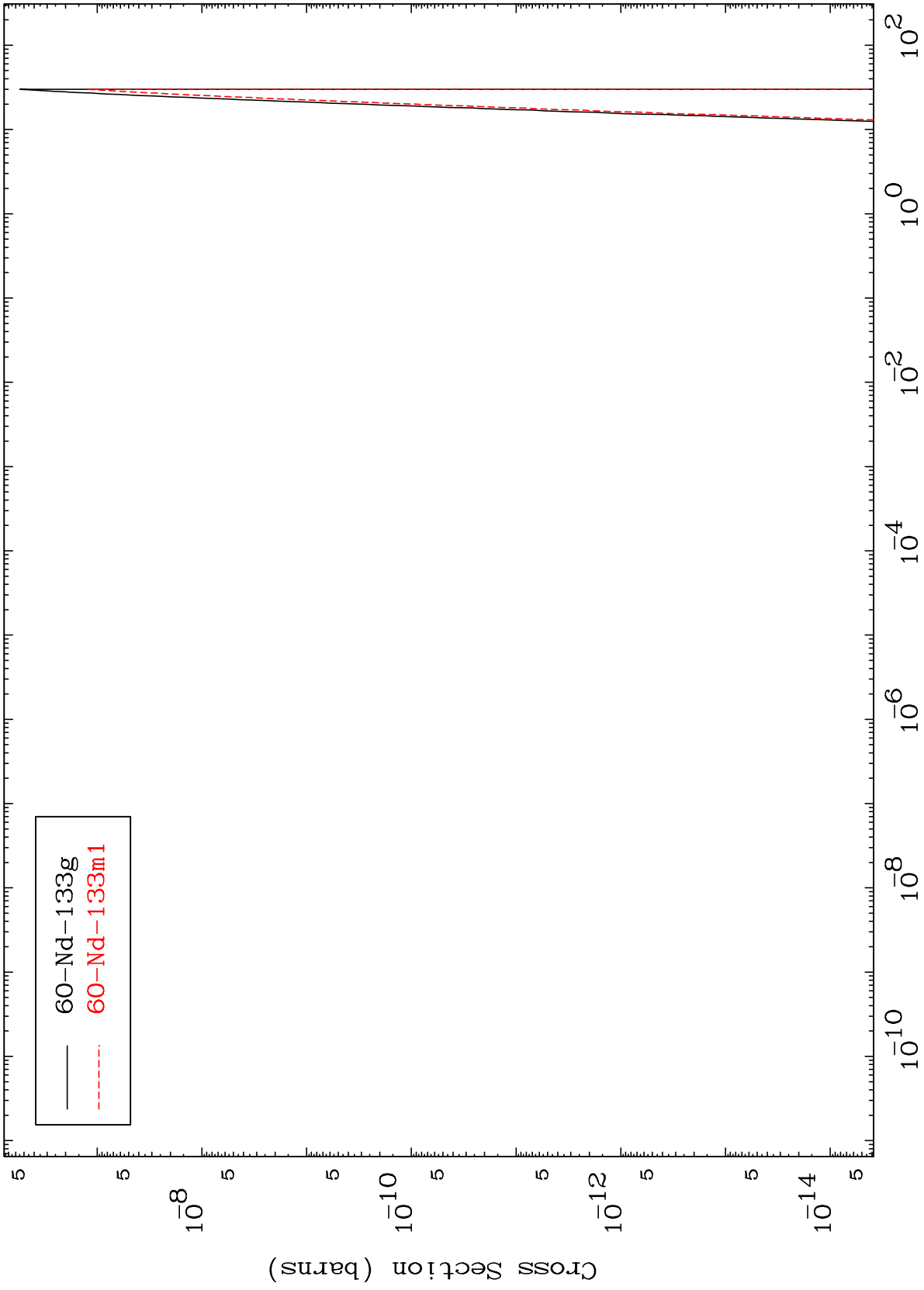
66-Dy-144

MAT 6589

(n,3α)

66-Dy-144

Radionuclide Production Cross Section



83

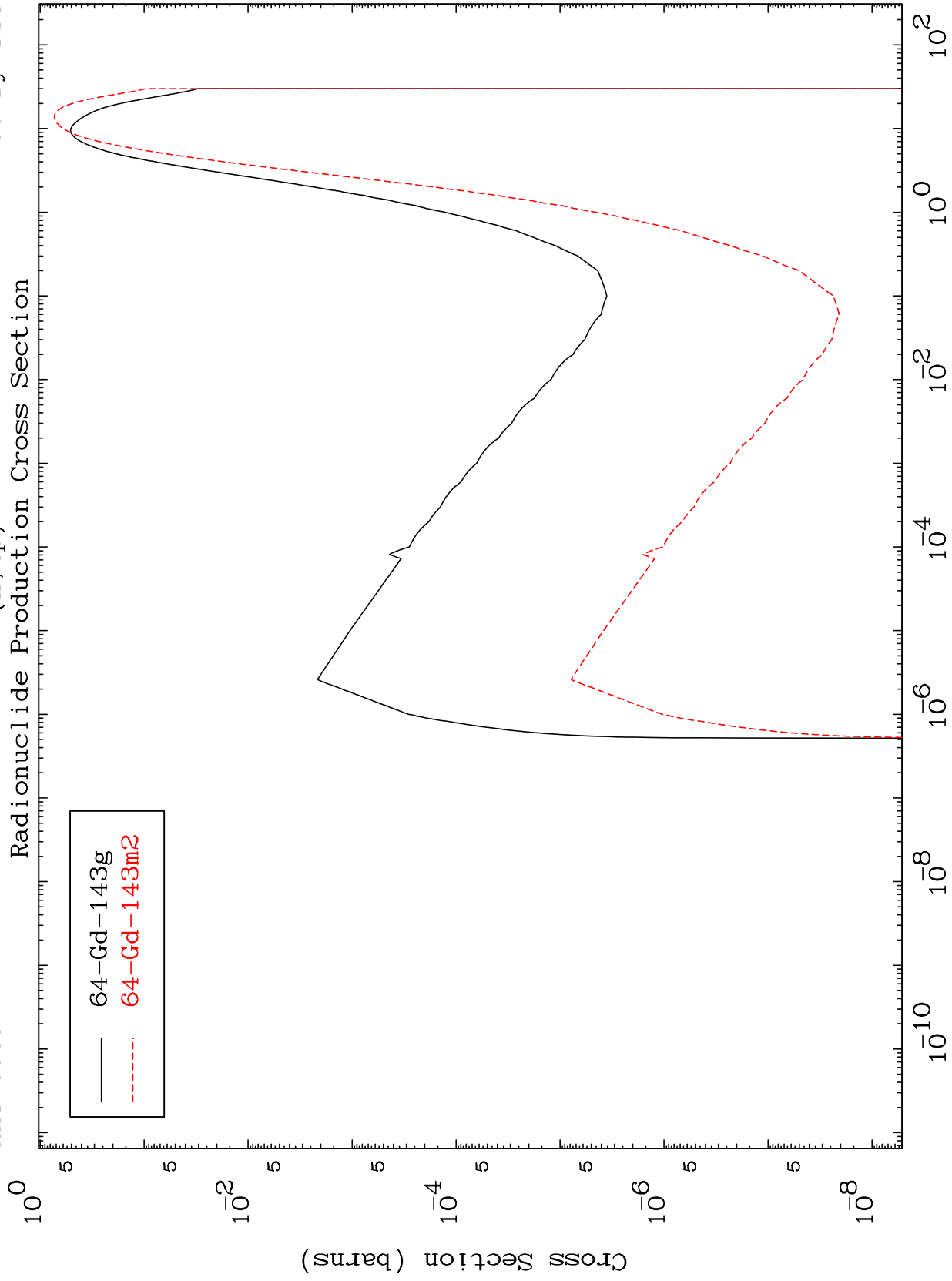
Incident Energy (MeV)

66-Dy-144

MAT 6589

Radionuclide Production Cross Section
(n,2p)

66-Dy-144



64-Gd-143g
64-Gd-143m2

84

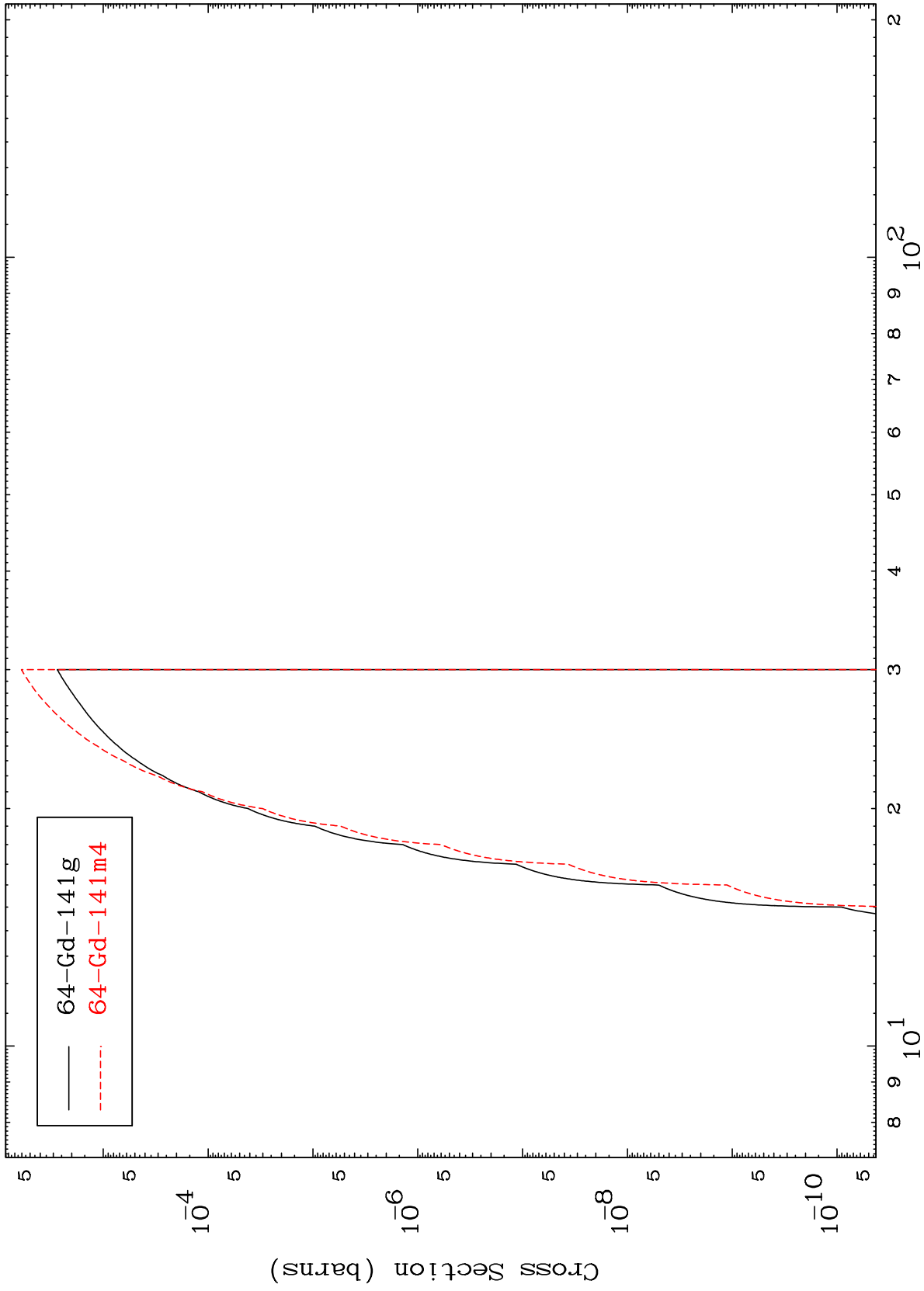
66-Dy-144

MAT 6589

(n,p) t

66-Dy-144

Radionuclide Production Cross Section



85

Incident Energy (MeV)

66-Dy-144