

Program EVALPLOT
(Version 2017-1)

by

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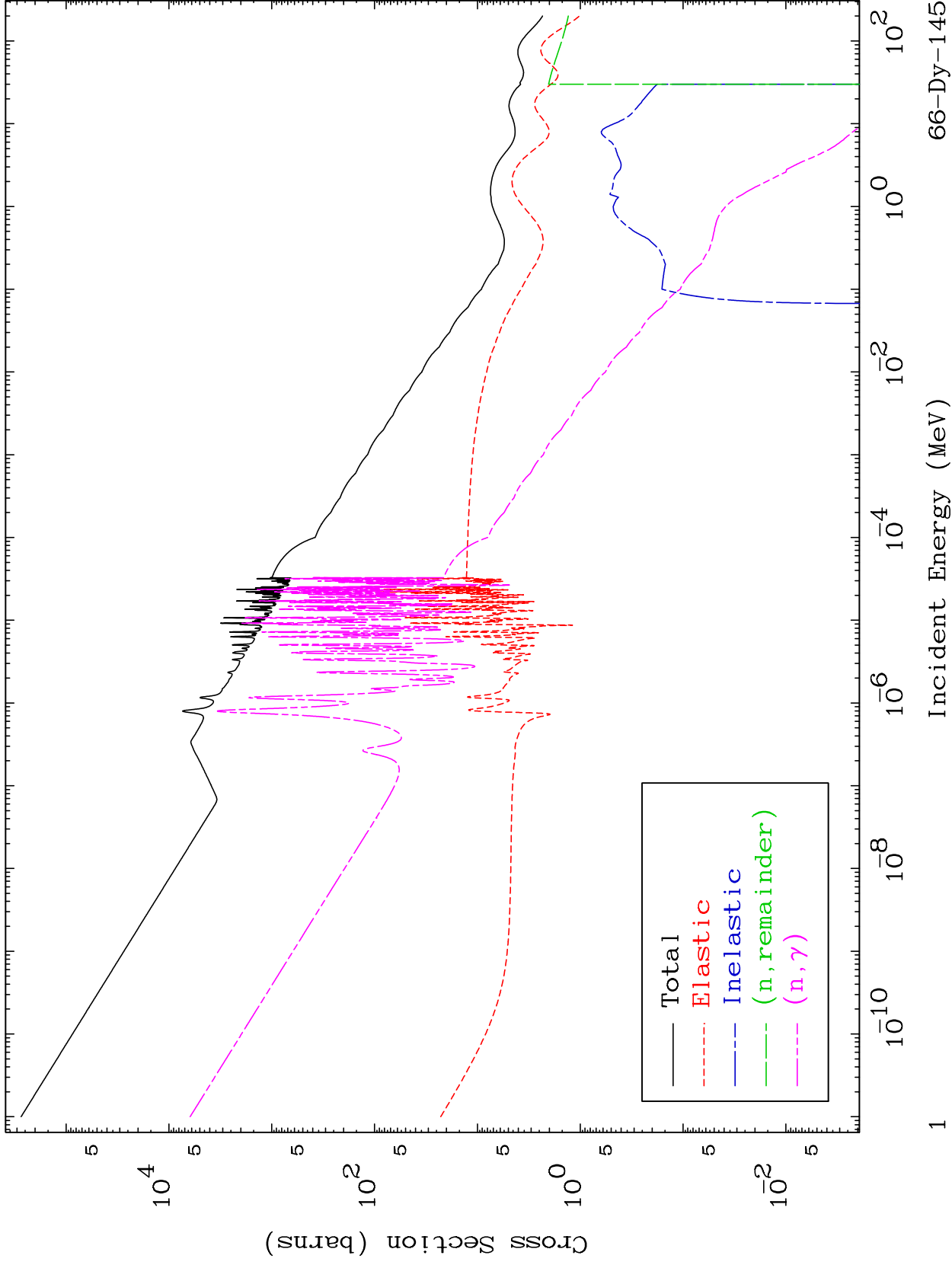
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Press Mouse Button to Start

MAT 6592

Major
293 Kelvin Cross Sections

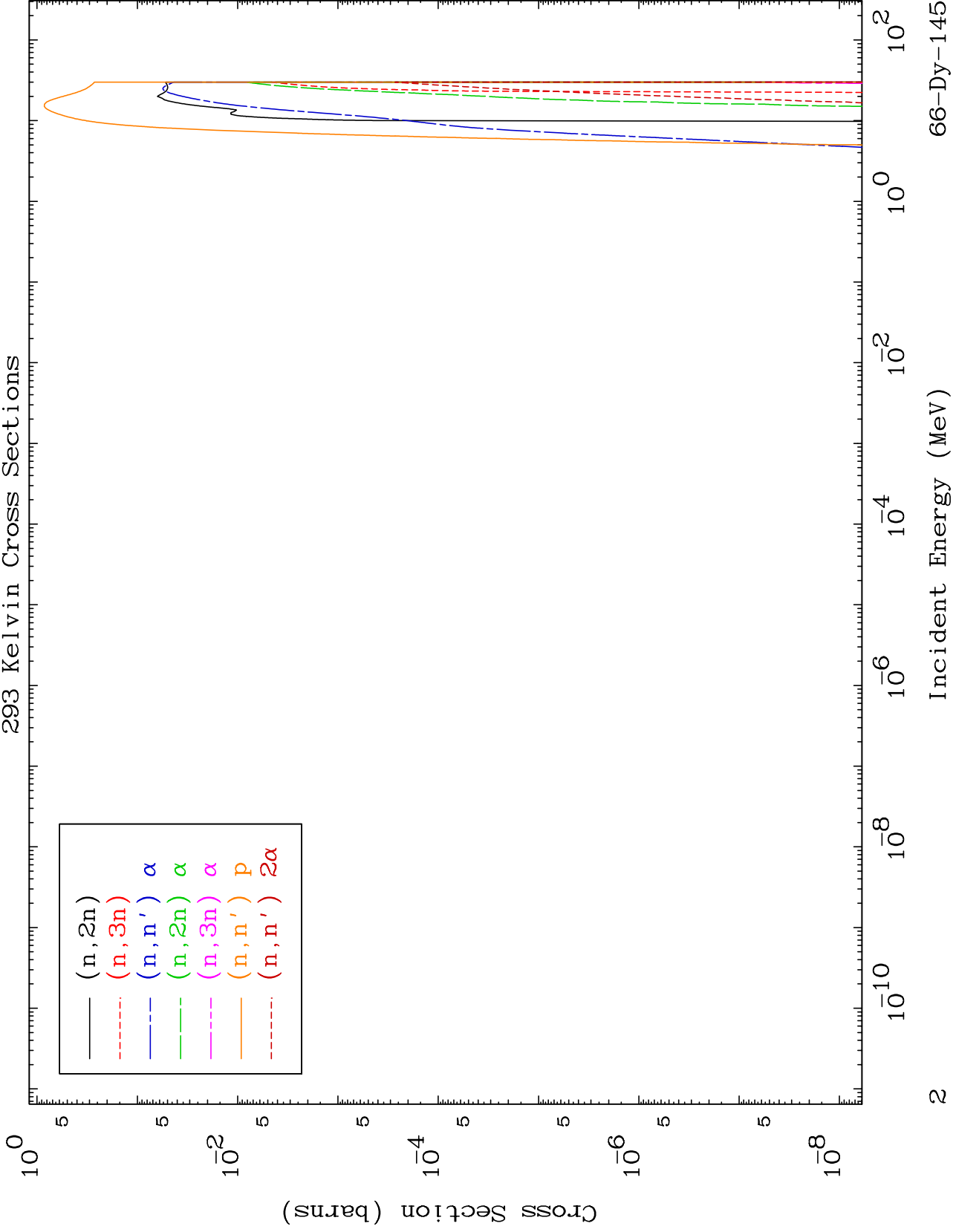
66-Dy-145

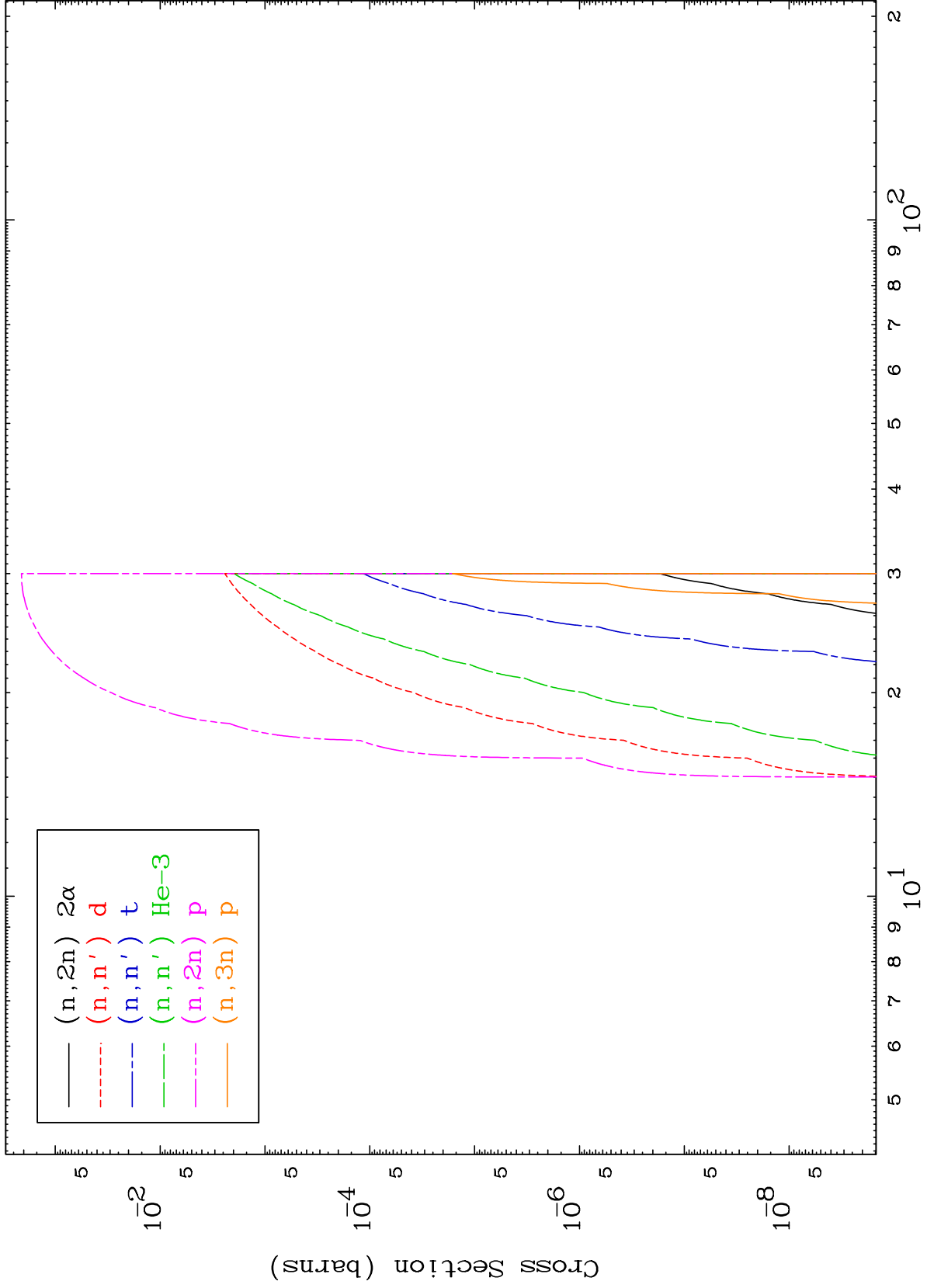


MAT 6592

Neutron Production
293 Kelvin Cross Sections

66-Dy-145

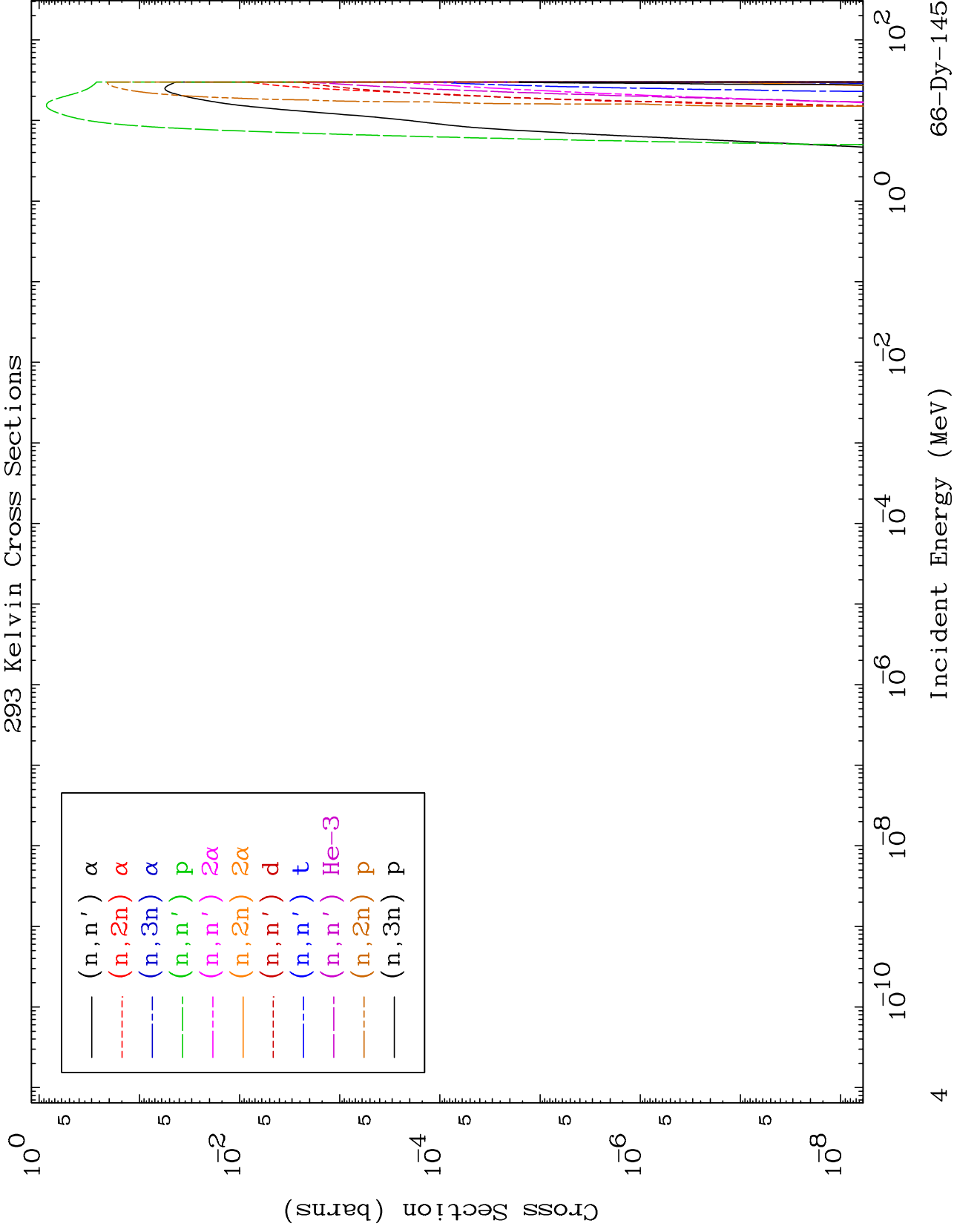




MAT 6592

Charged Particle
293 Kelvin Cross Sections

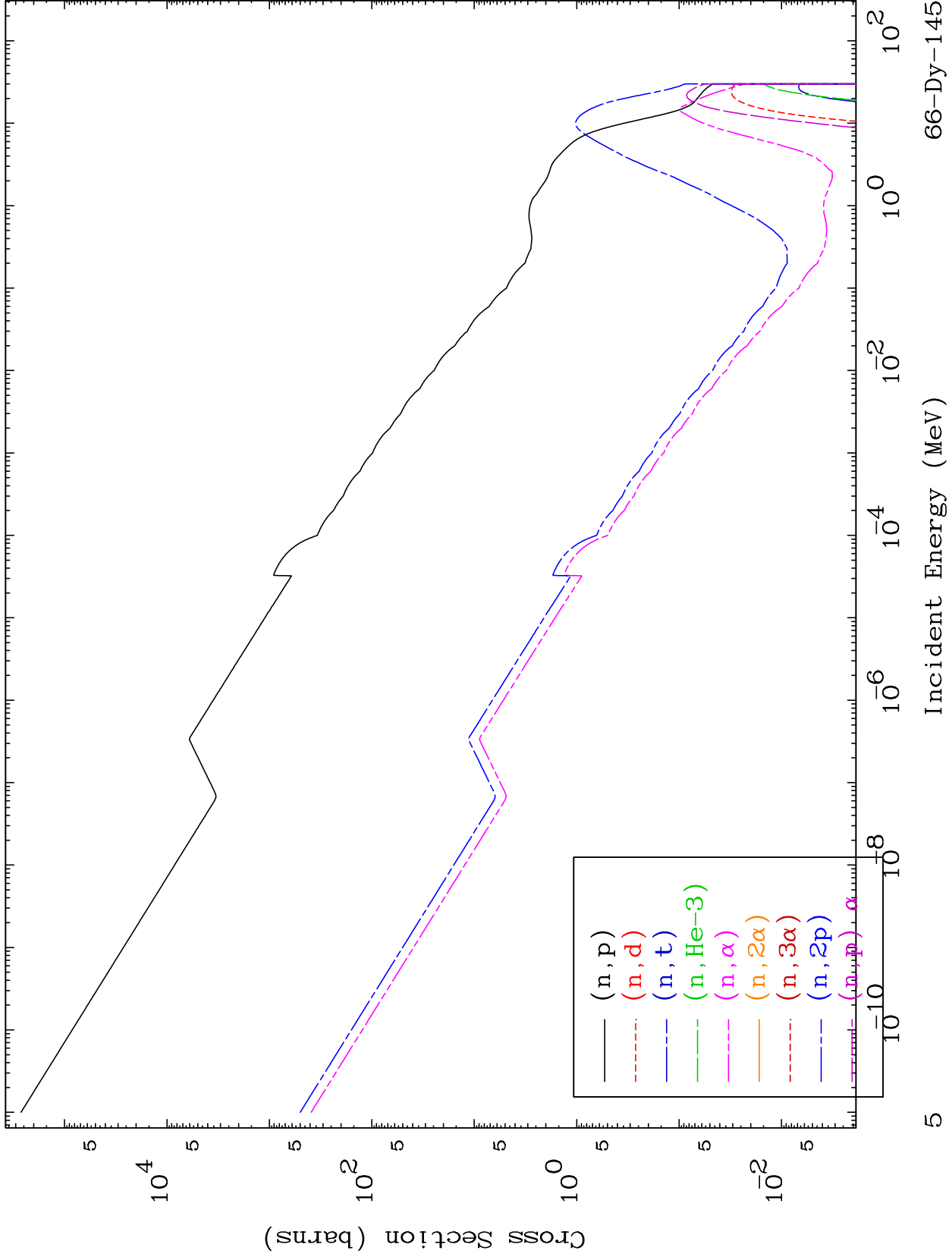
66-Dy-145



MAT 6592

Charged Particle
293 Kelvin Cross Sections

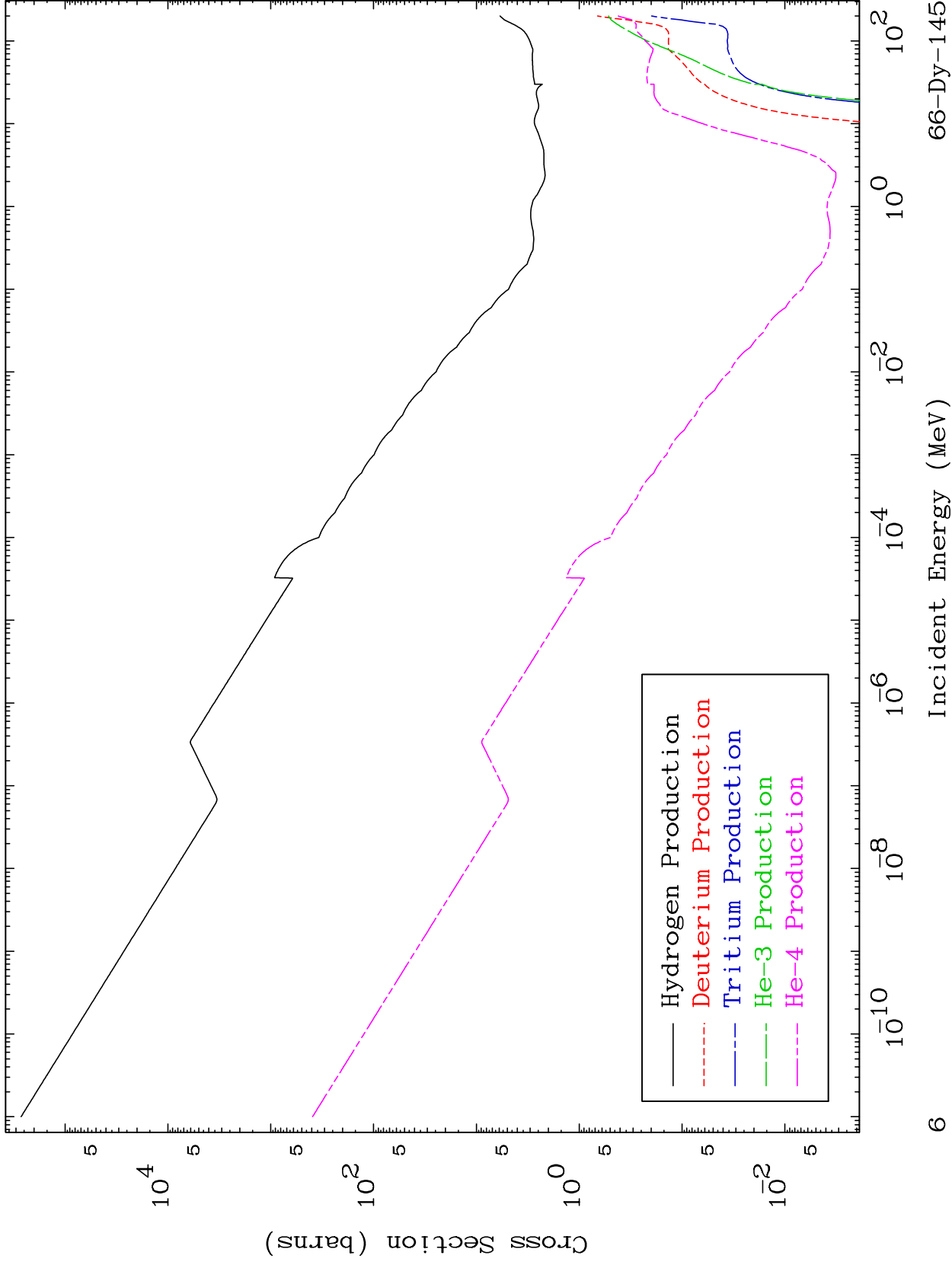
66-Dy-145



MAT 6592

Particle Production
293 Kelvin Cross Sections

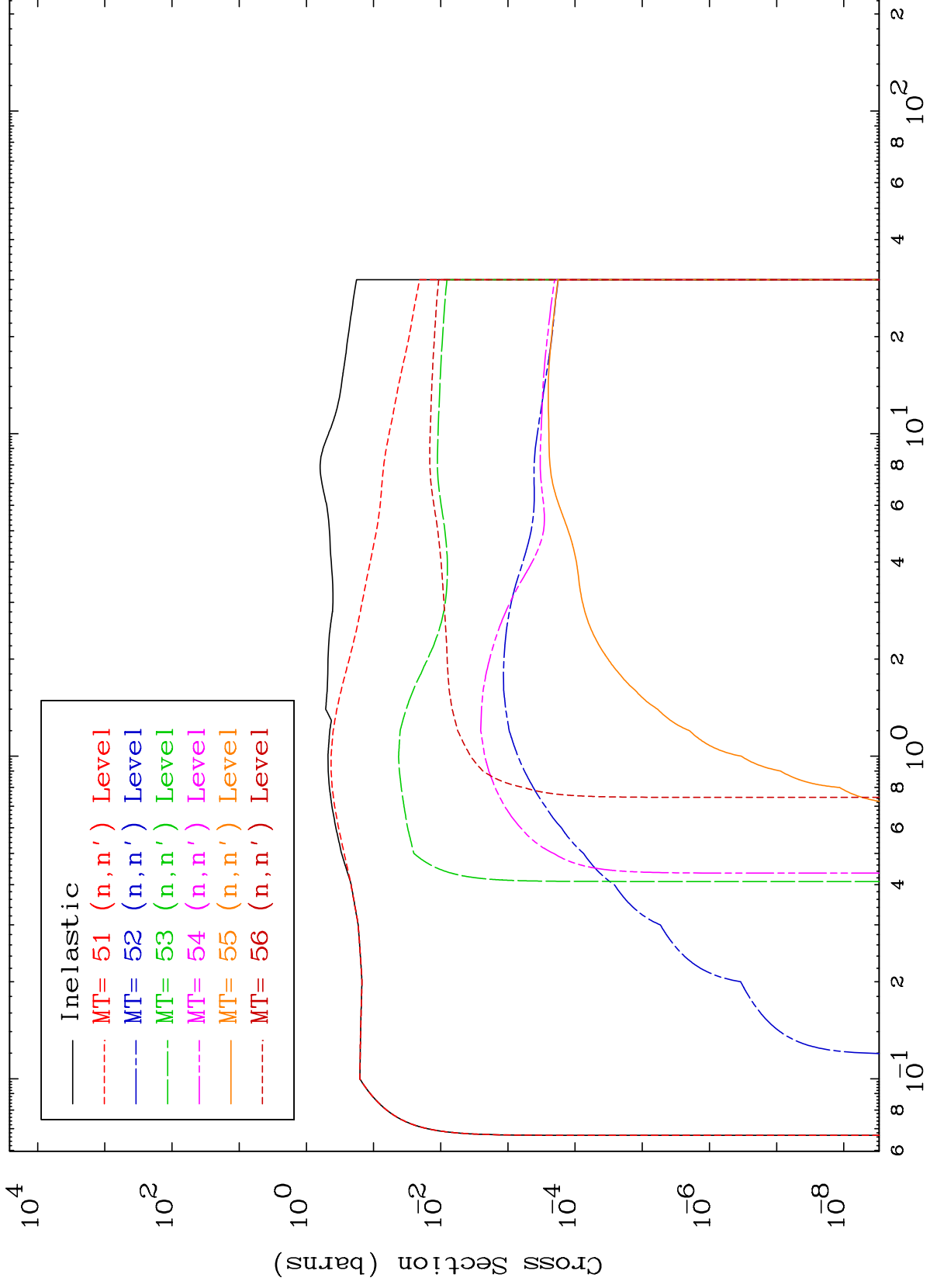
66-Dy-145



MAT 6592

(n,n') Level
293 Kelvin Cross Sections

66-Dy-145



7

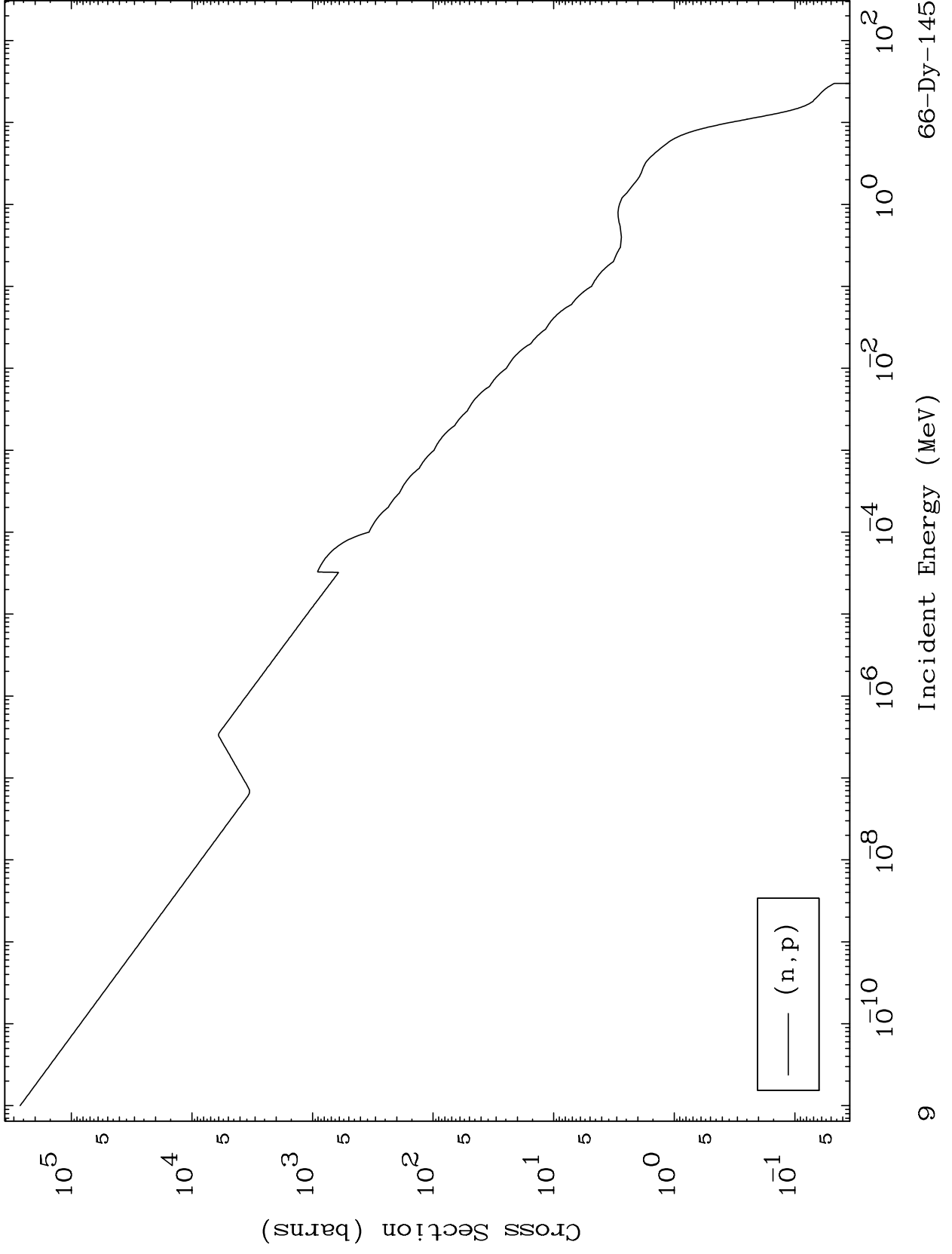
Incident Energy (MeV)

66-Dy-145

MAT 6592

(n,p) Levels
293 Kelvin Cross Sections

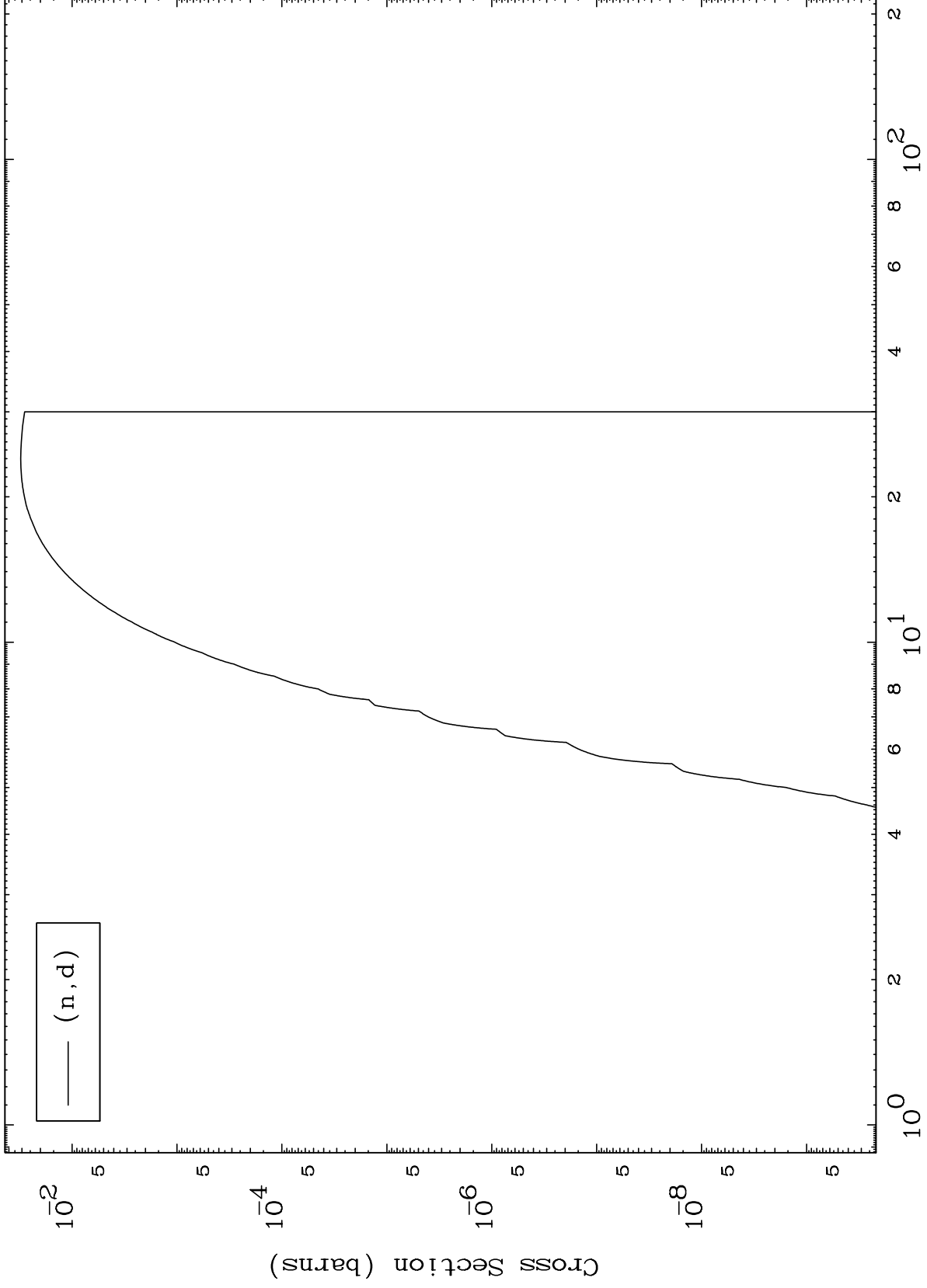
66-Dy-145



MAT 6592

(n,d) Levels
293 Kelvin Cross Sections

66-Dy-145



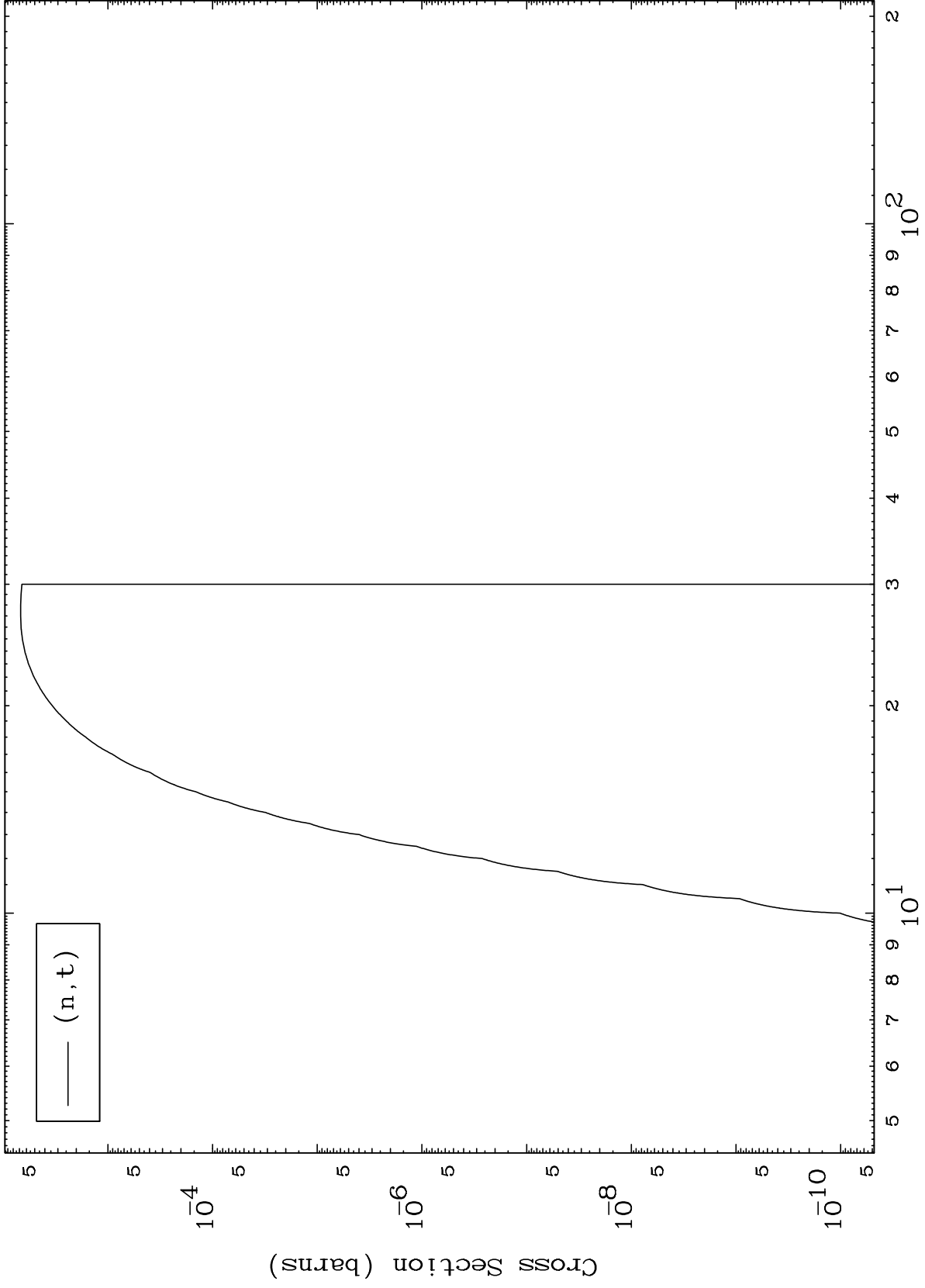
Incident Energy (MeV)

66-Dy-145

MAT 6592

(n,t) Levels
293 Kelvin Cross Sections

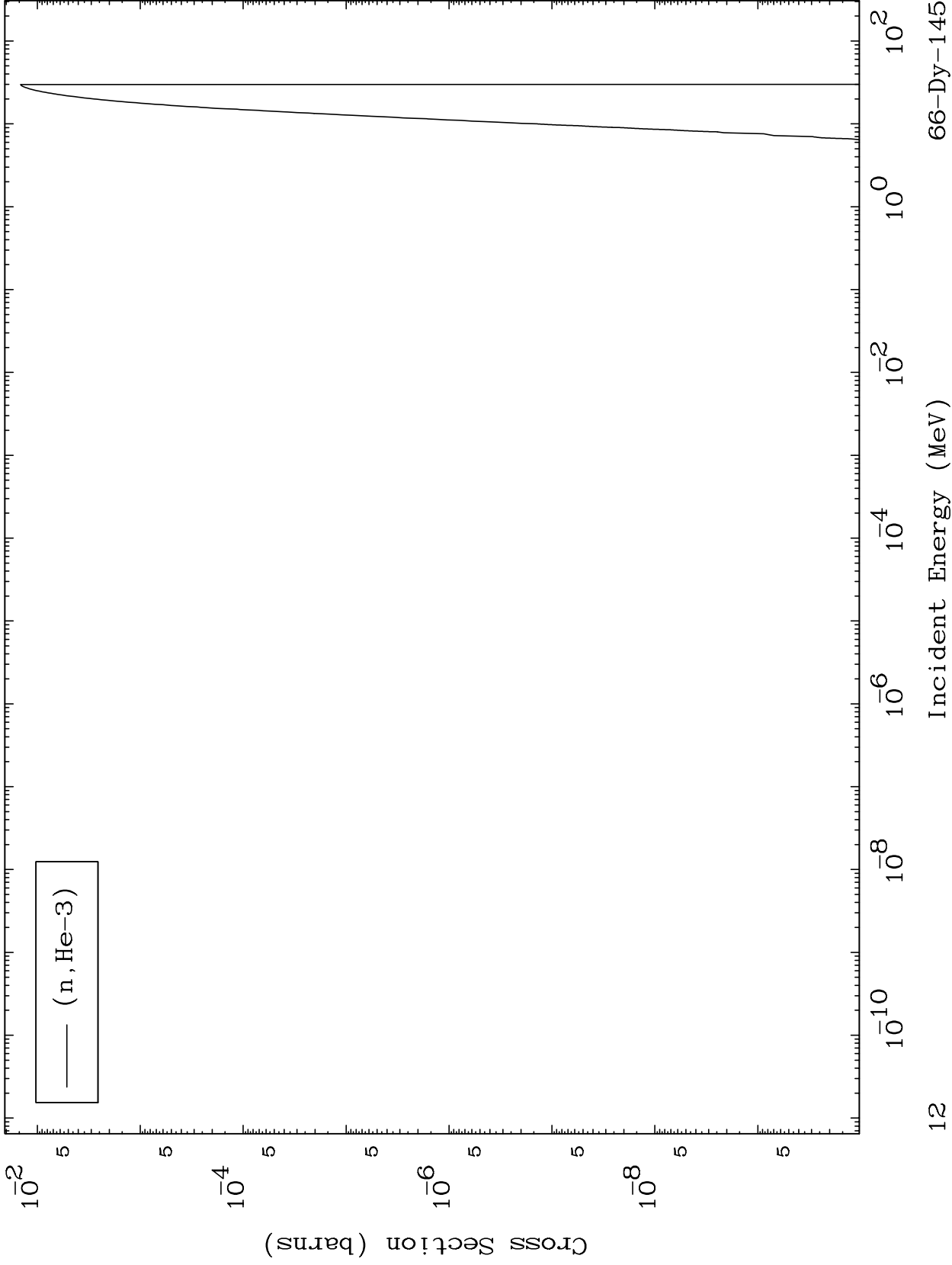
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MAT 6592

(n,He3) Levels
293 Kelvin Cross Sections

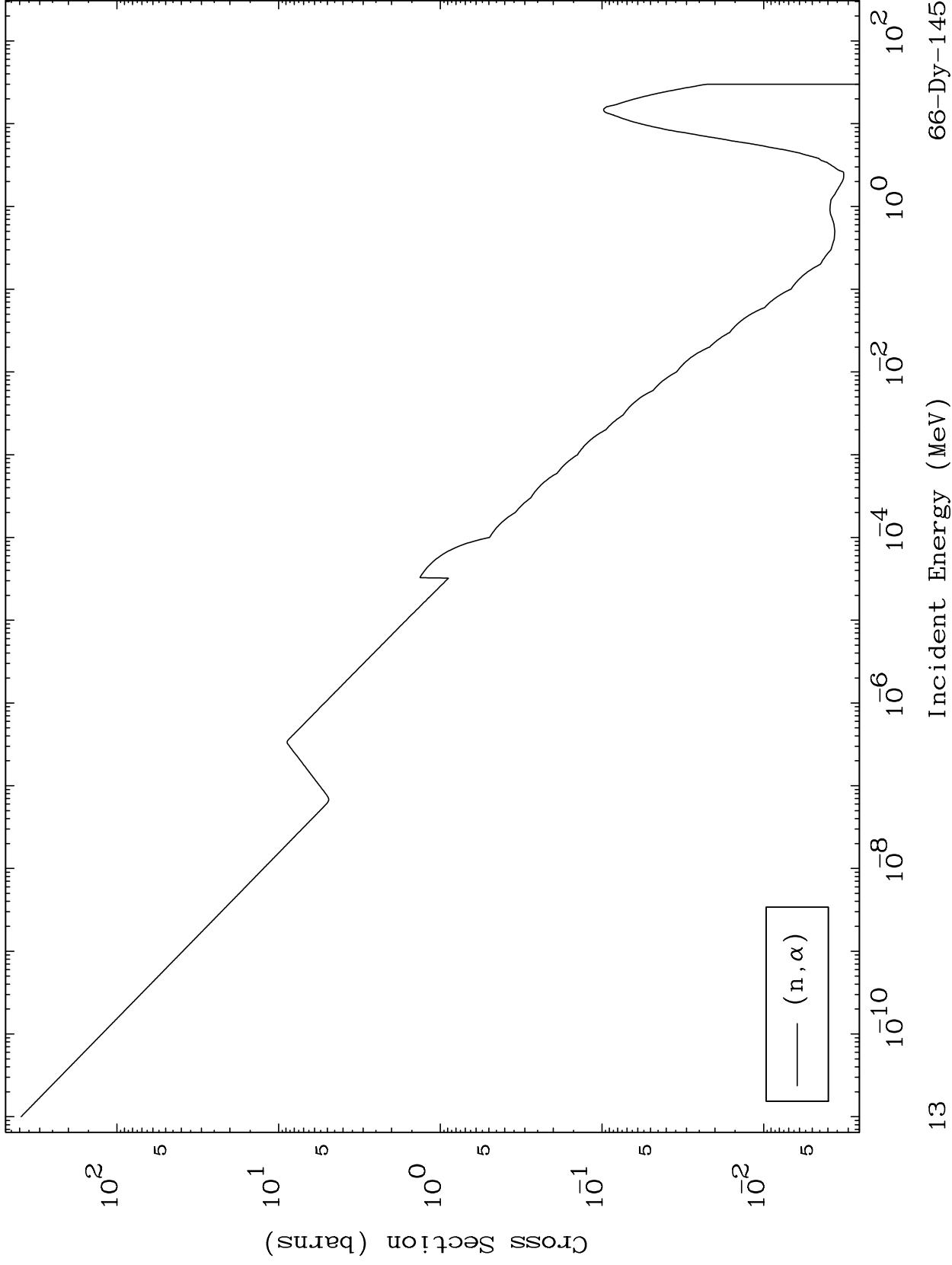
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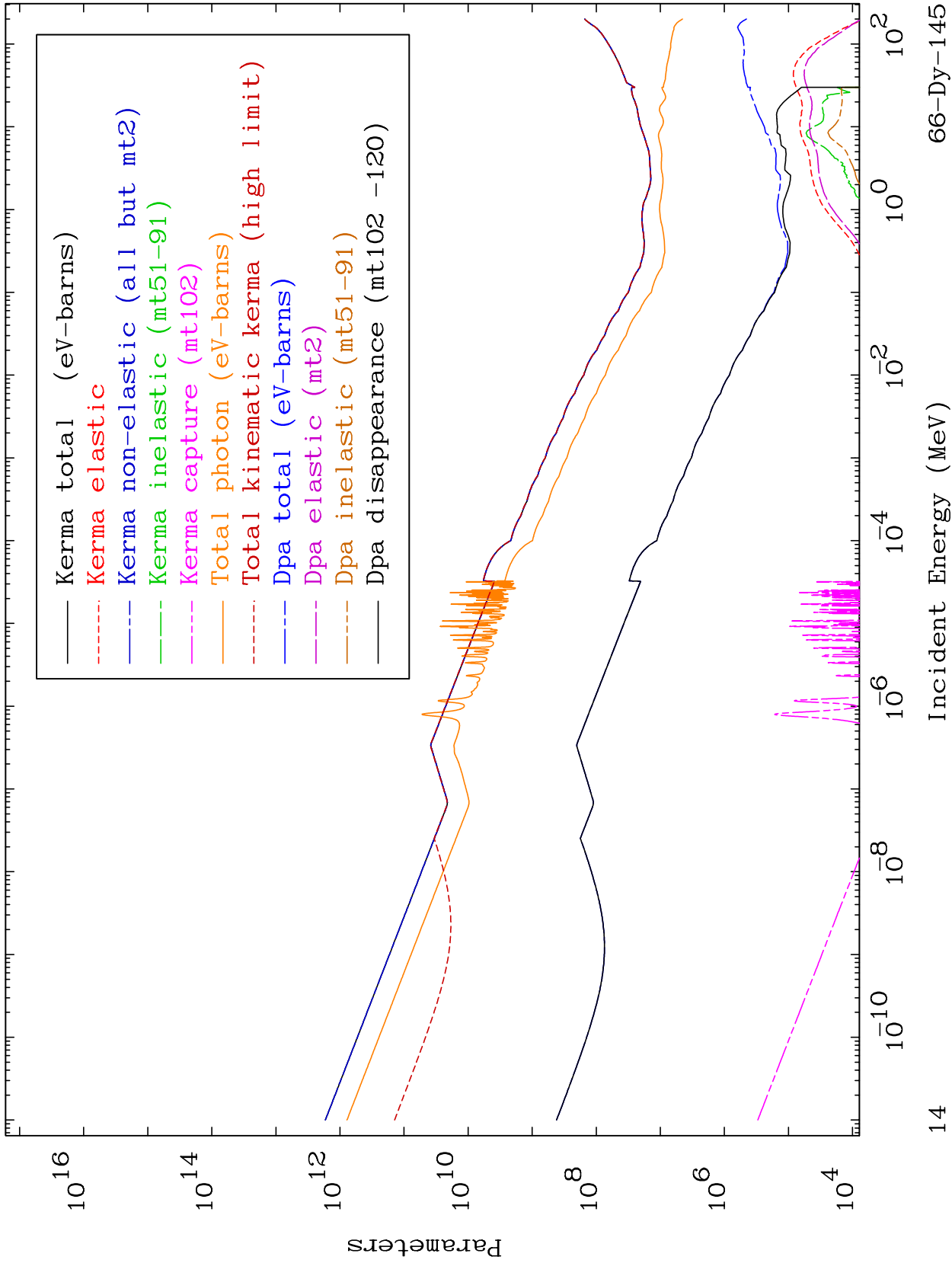


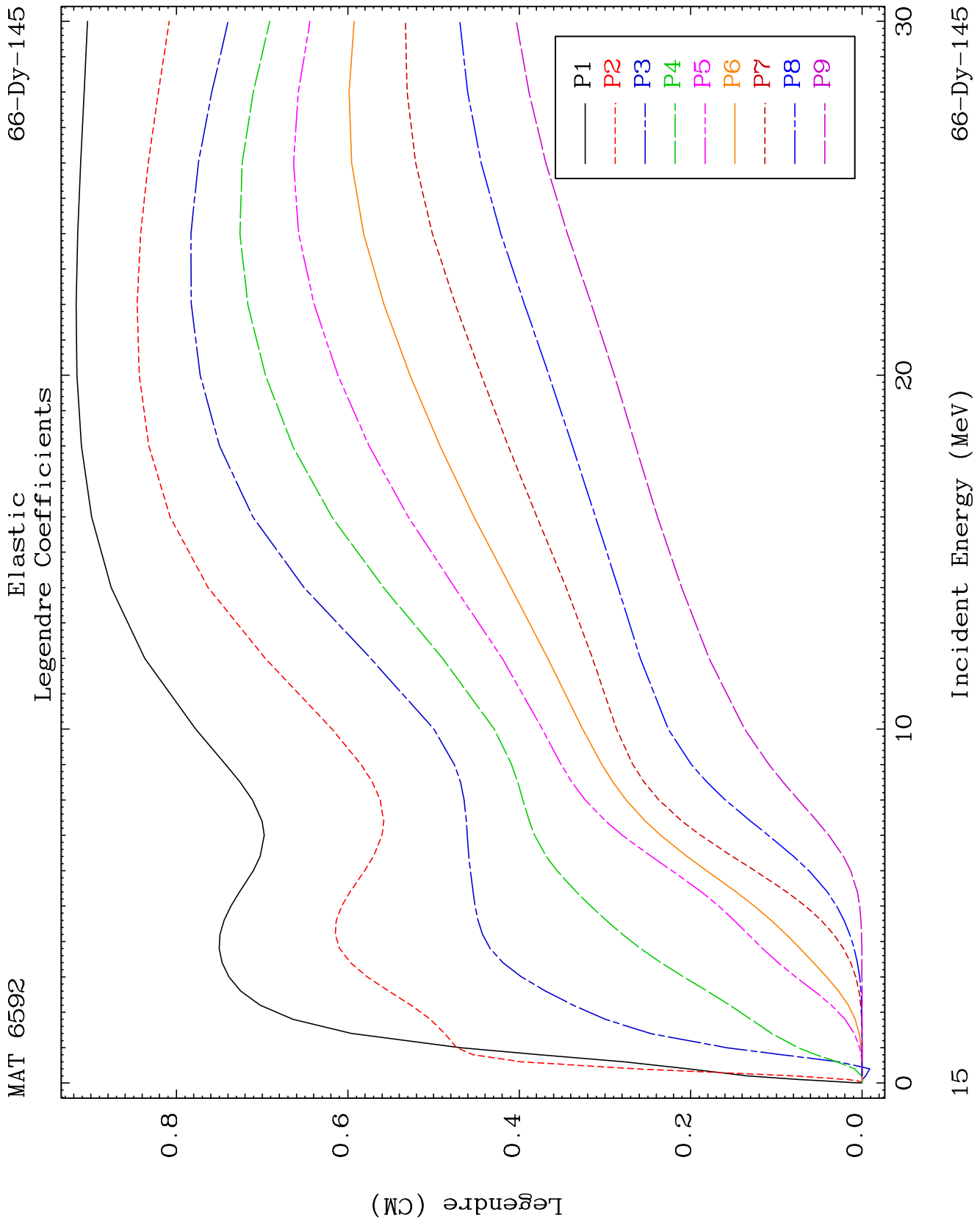
MAT 6592

(n, α) Levels
293 Kelvin Cross Sections

66-Dy-145



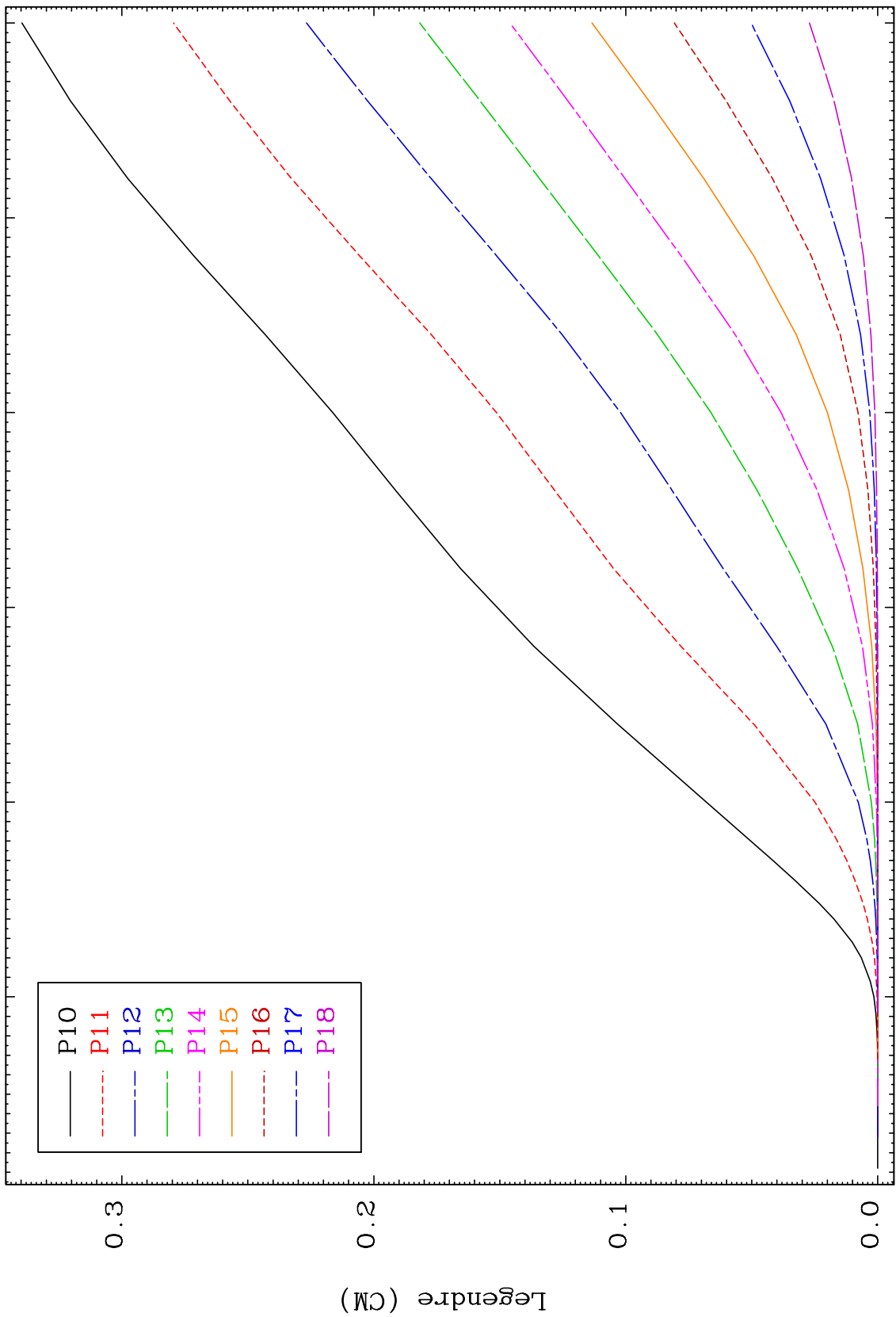




MAT 6592

Elastic Legendre Coefficients

66-Dy-145



16

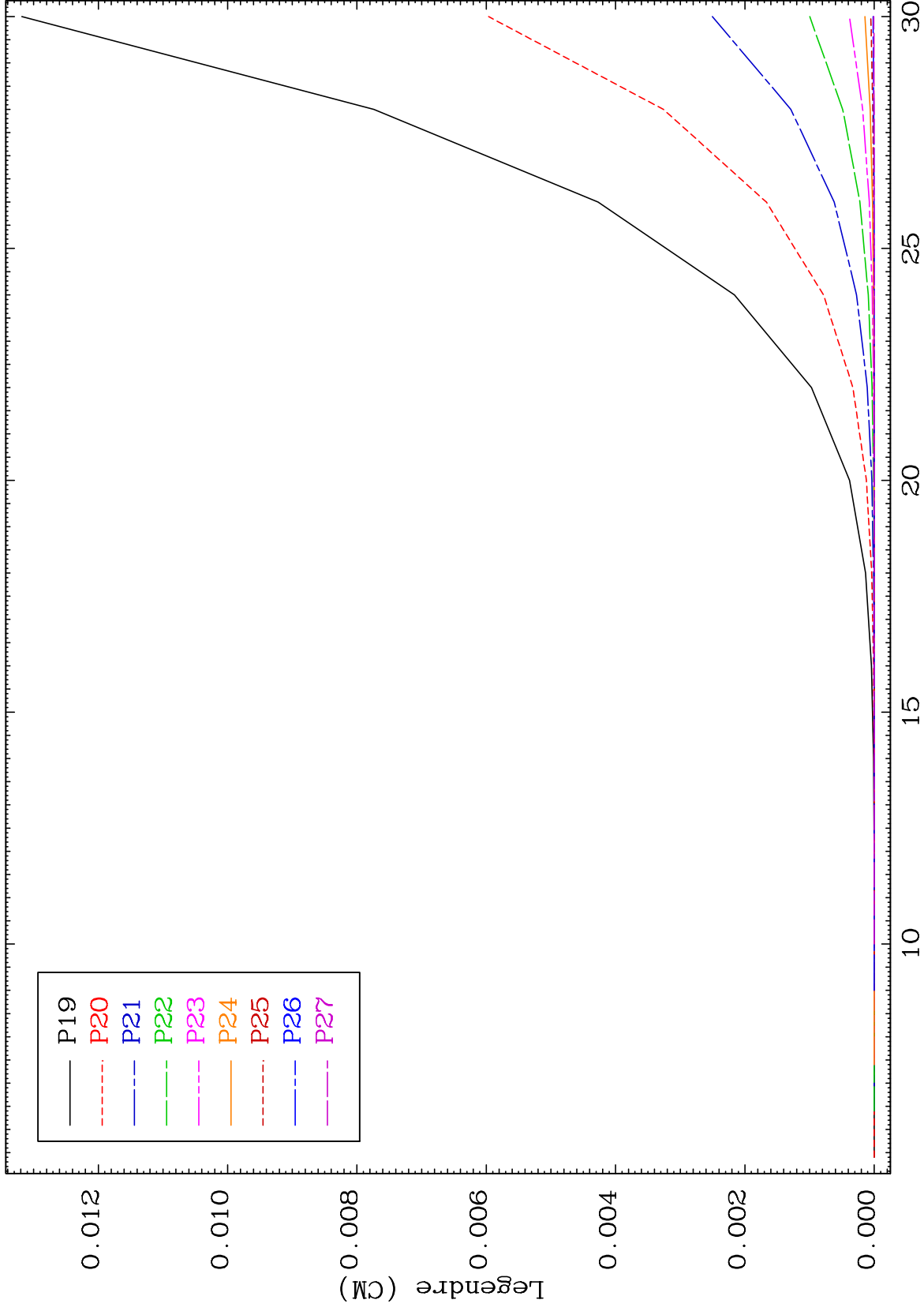
Incident Energy (MeV)

66-Dy-145

MAT 6592

Elastic Legendre Coefficients

66-Dy-145



17

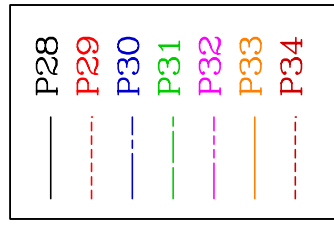
Incident Energy (MeV)

66-Dy-145

MAT 6592

Elastic Legendre Coefficients

66-Dy-145



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

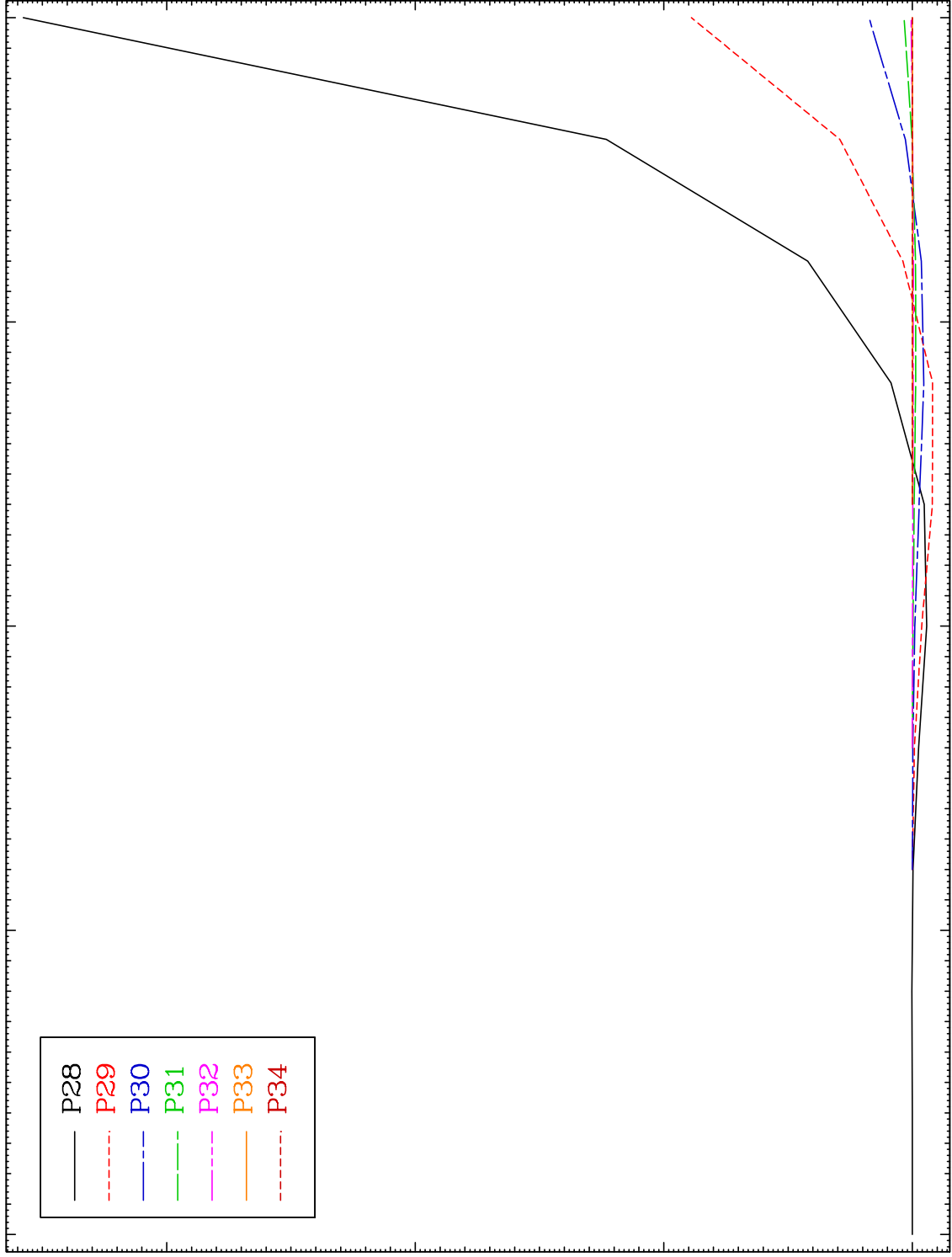
25

30

18

Incident Energy (MeV)

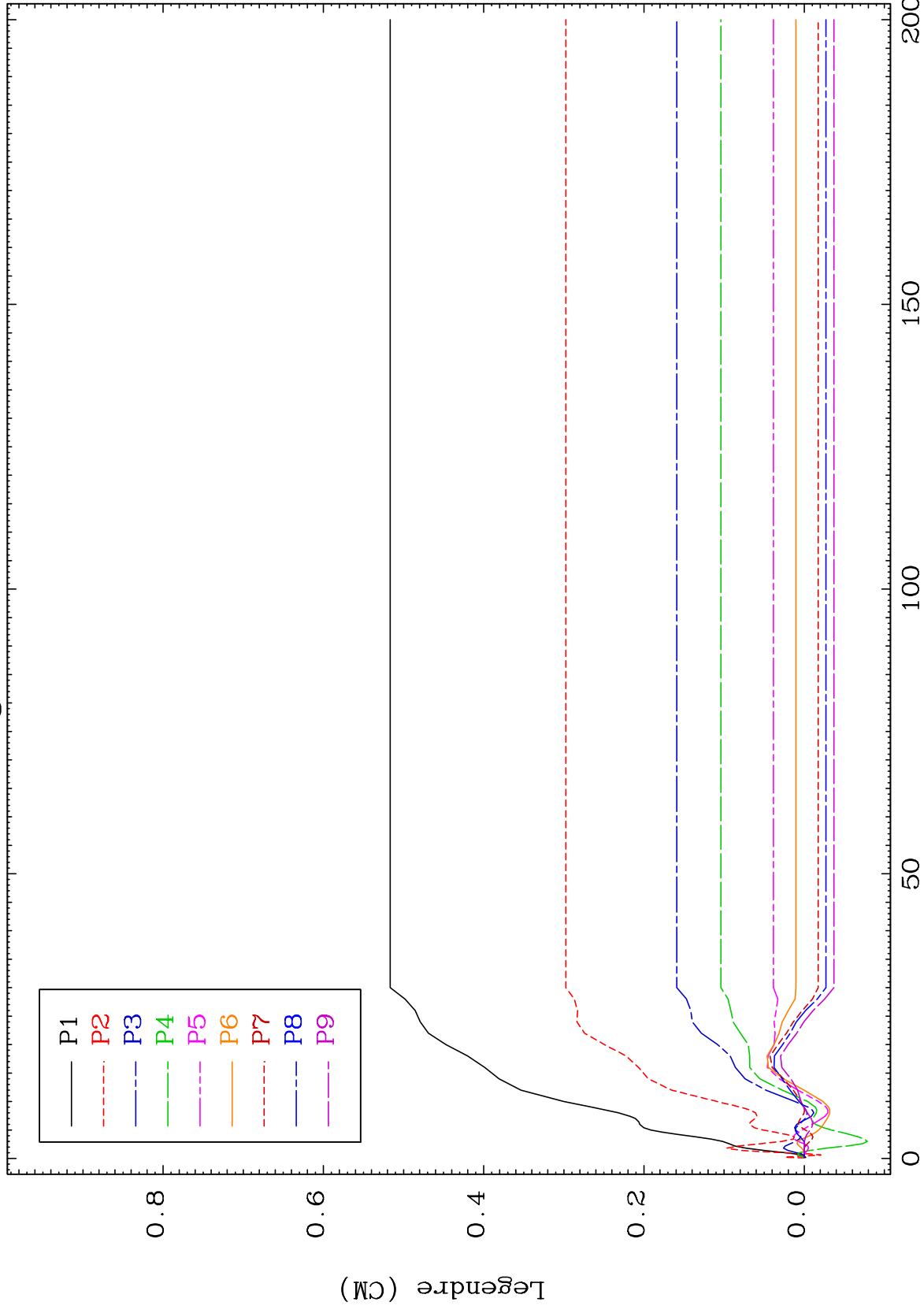
66-Dy-145



MAT 6592

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

66-Dy-145



19

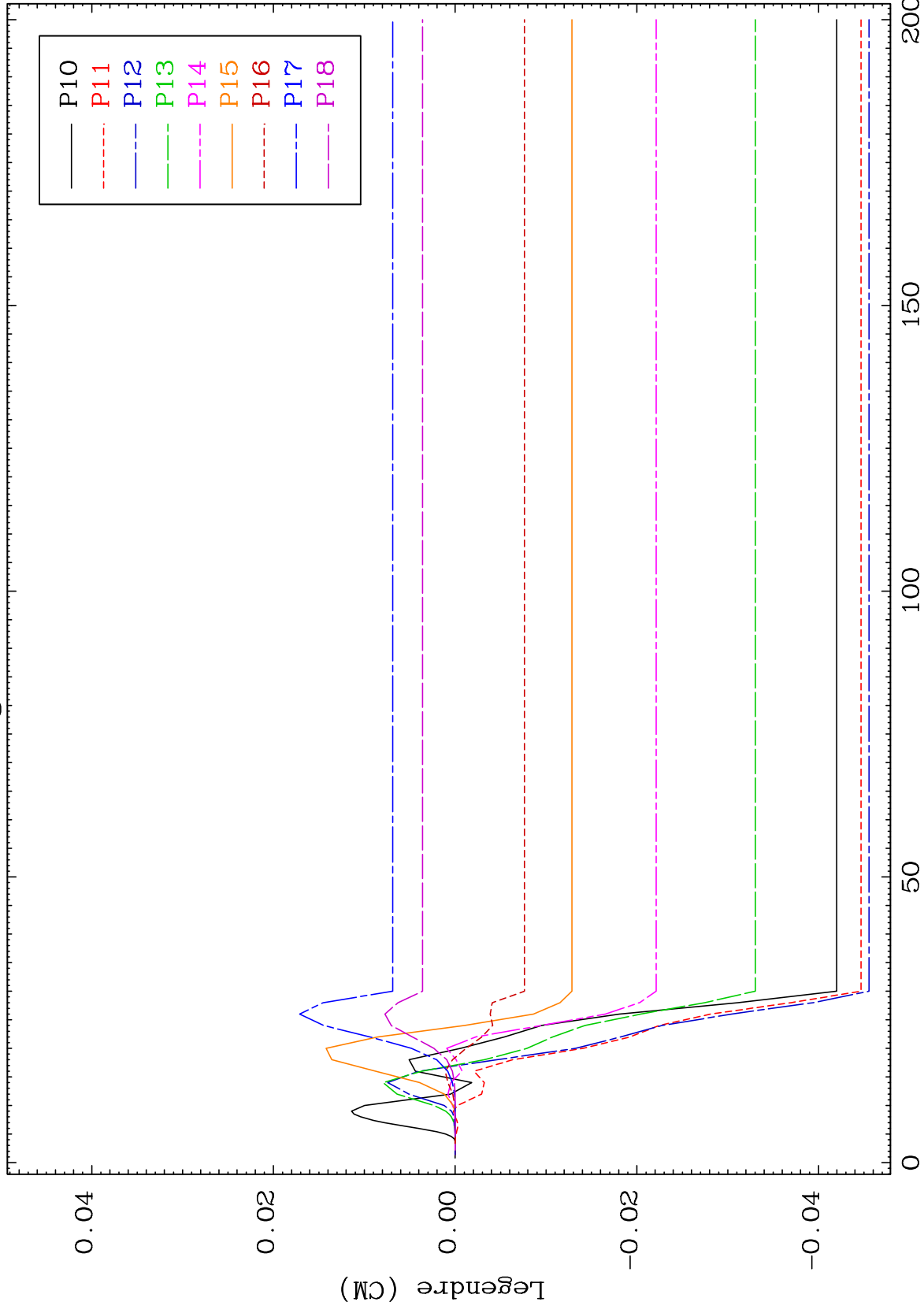
Incident Energy (MeV)

66-Dy-145

MAT 6592

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

66-Dy-145



66-Dy-145

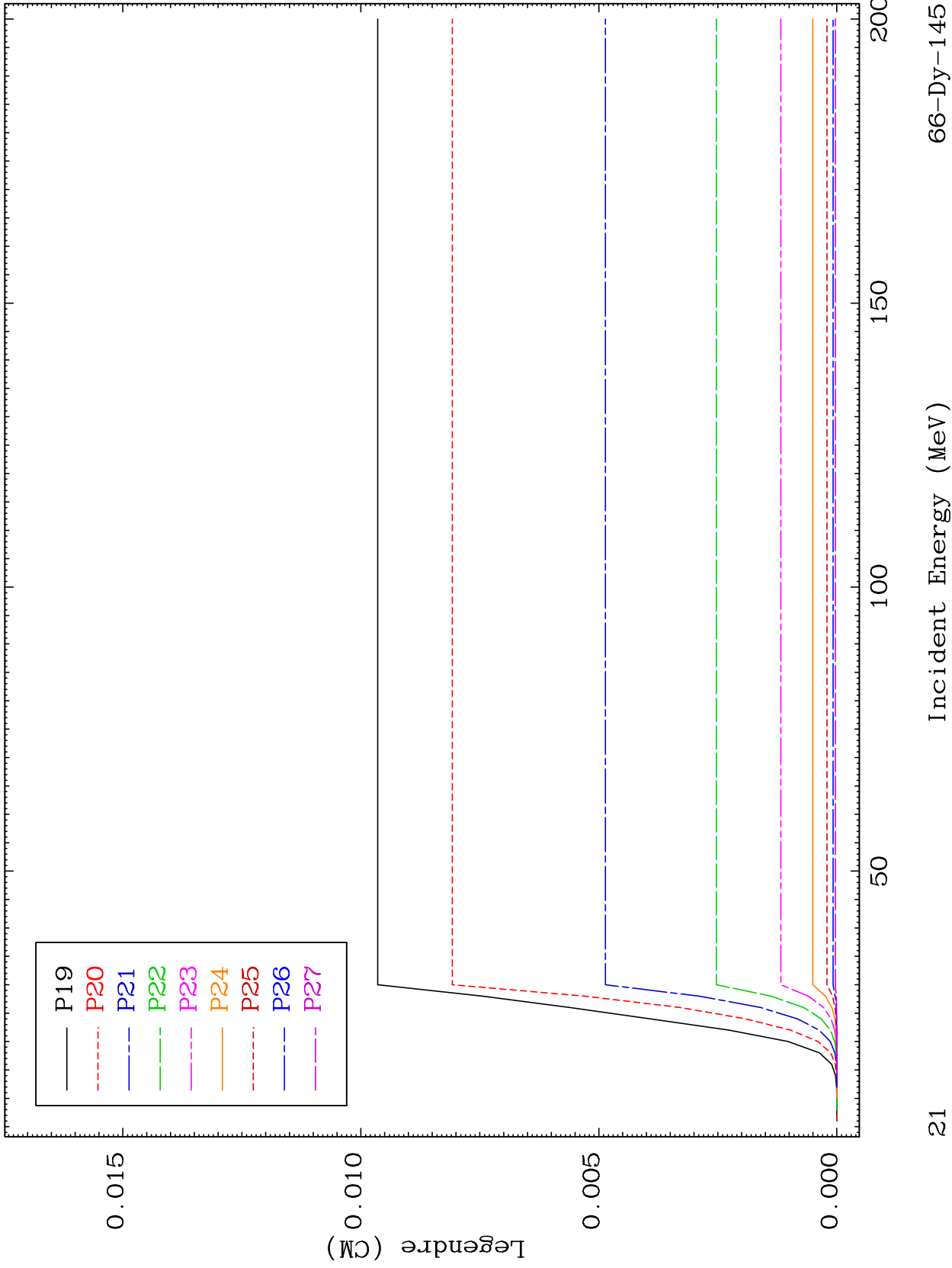
Incident Energy (MeV)

20

MAT 6592

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

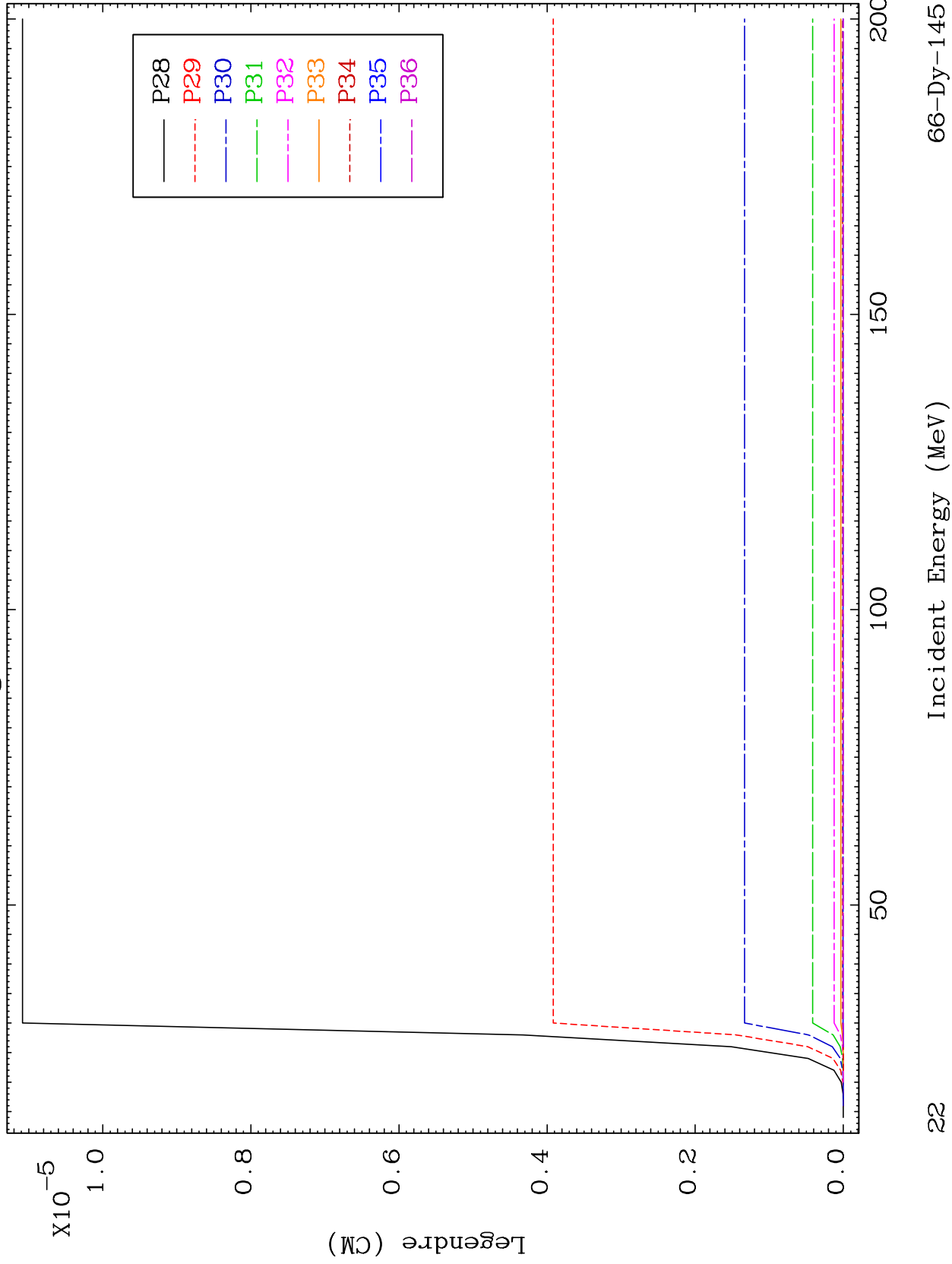
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MAT 6592

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

66-Dy-145

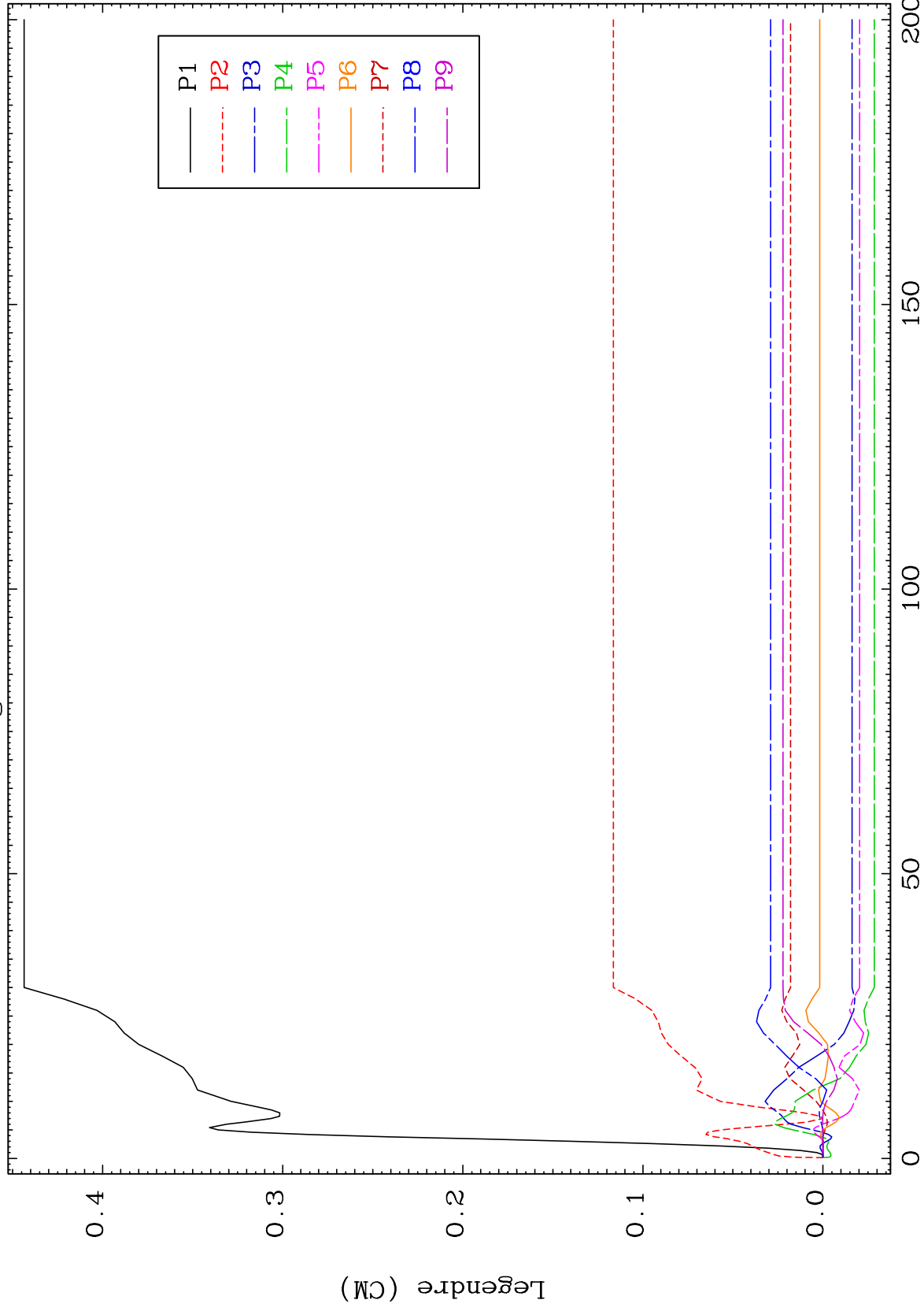


22

MAT 6592

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

66-Dy-145



23

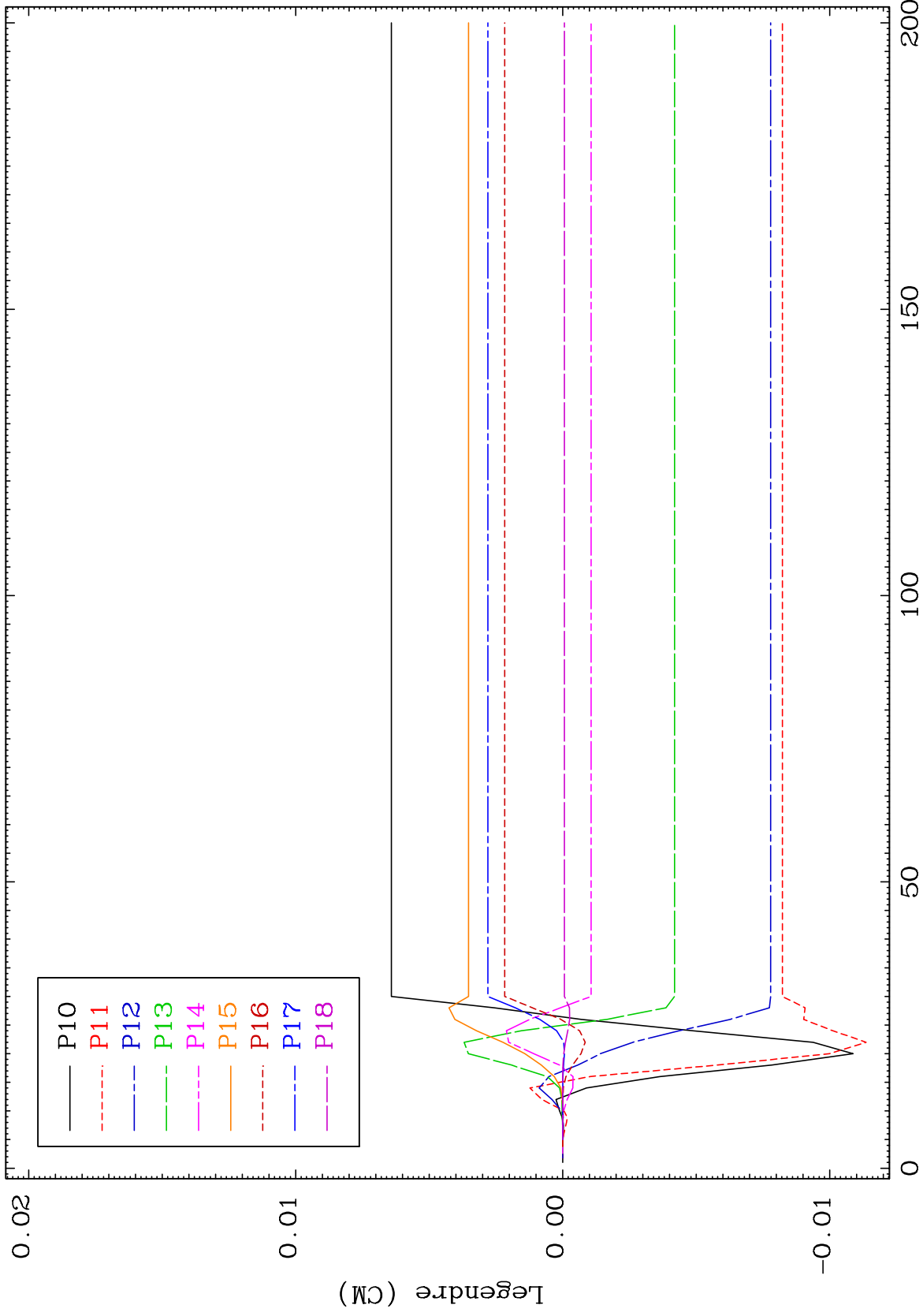
Incident Energy (MeV)

66-Dy-145

MAT 6592

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

66-Dy-145



24

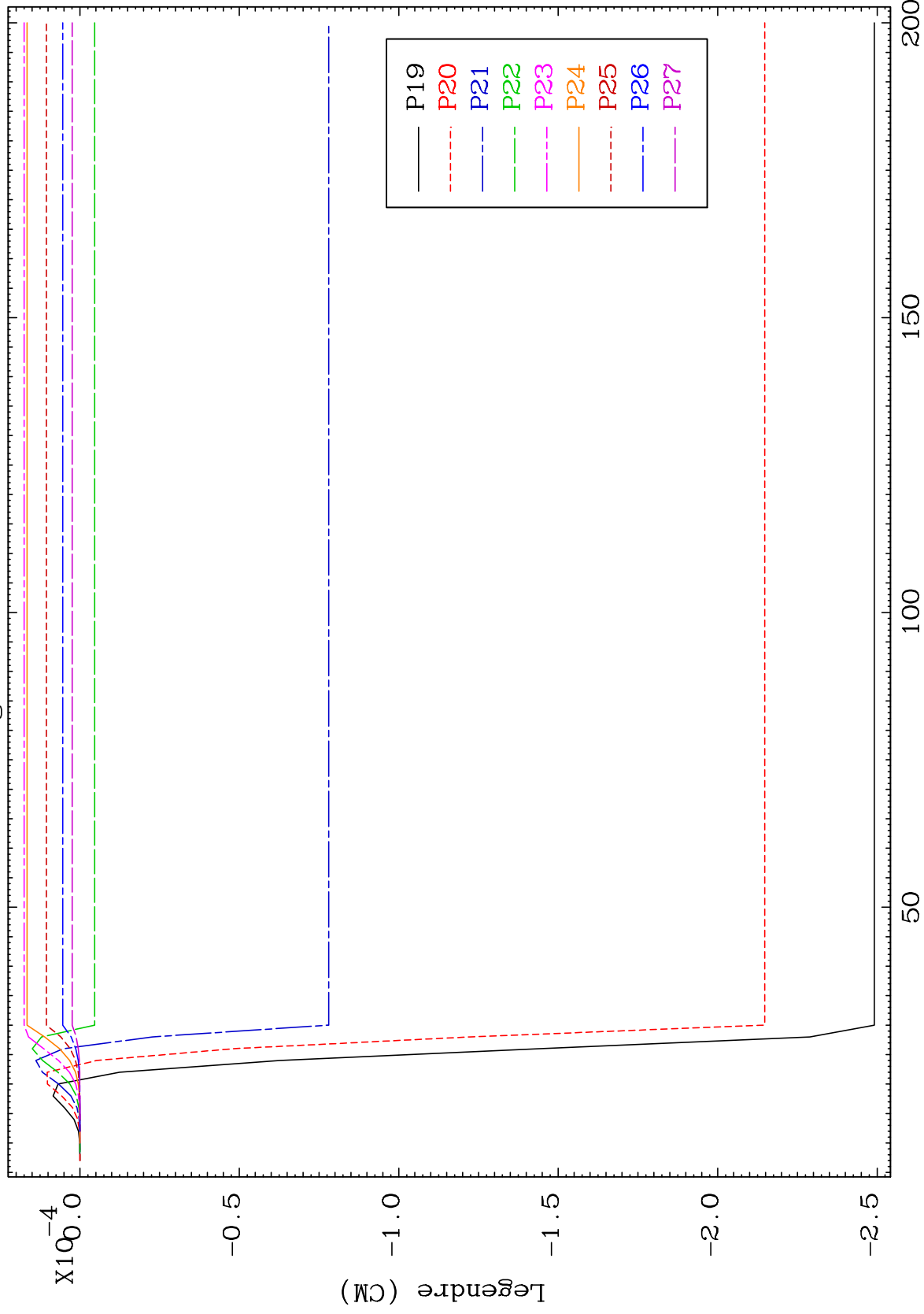
Incident Energy (MeV)

66-Dy-145

MAT 6592

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

66-Dy-145



25

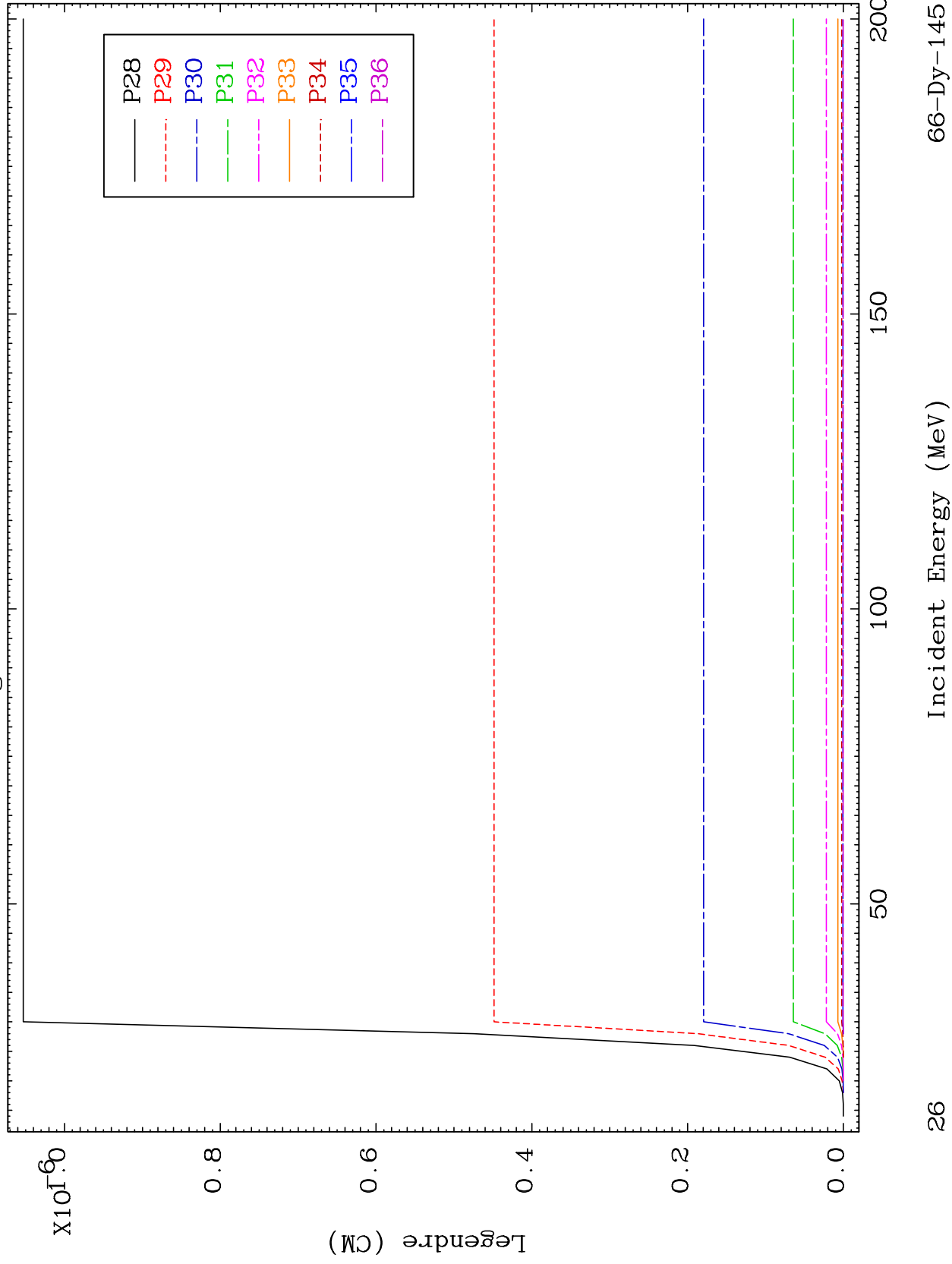
Incident Energy (MeV)

66-Dy-145

MAT 6592

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

66-Dy-145



26

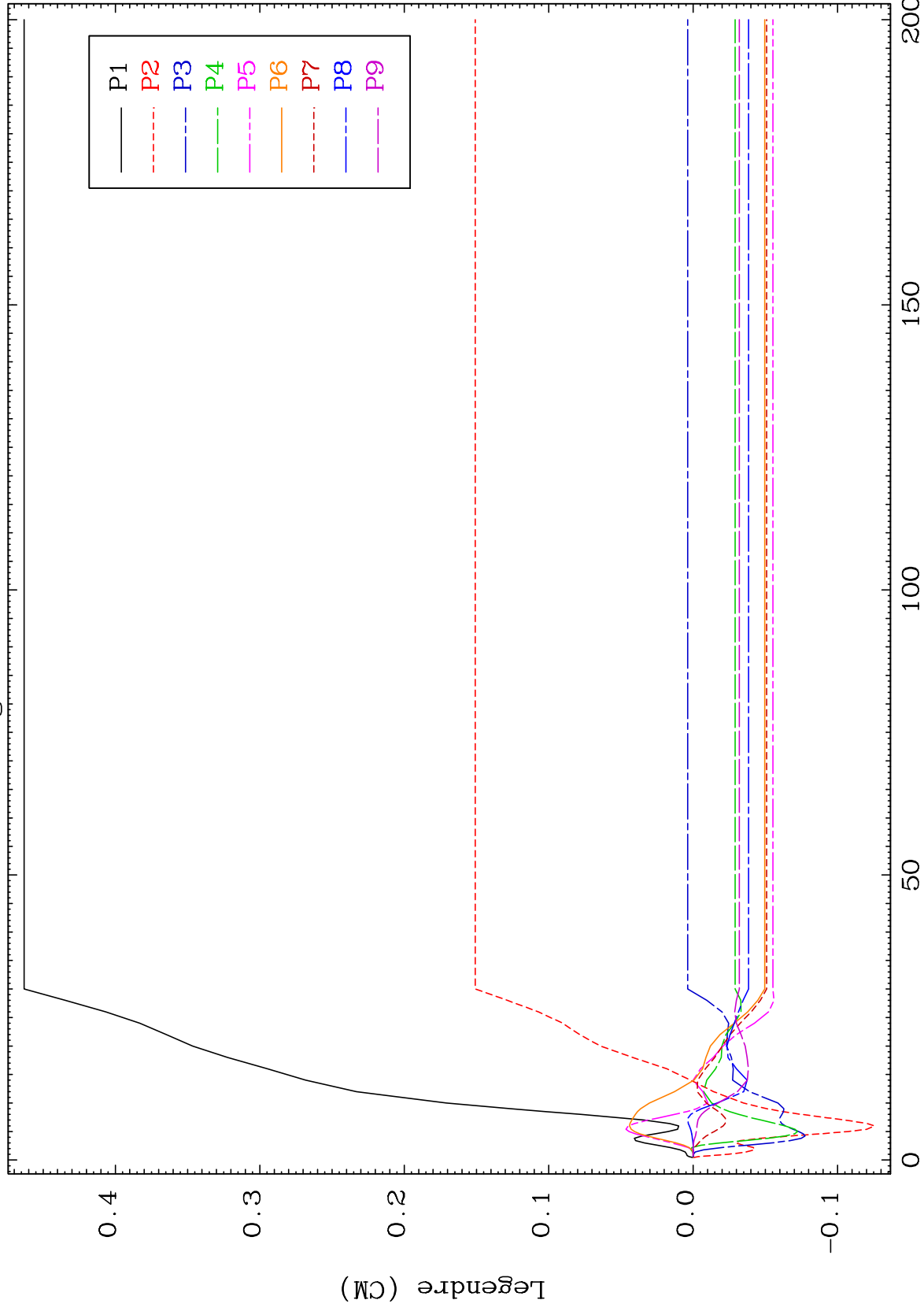
Incident Energy (MeV)

66-Dy-145

MAT 6592

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

66-Dy-145



27

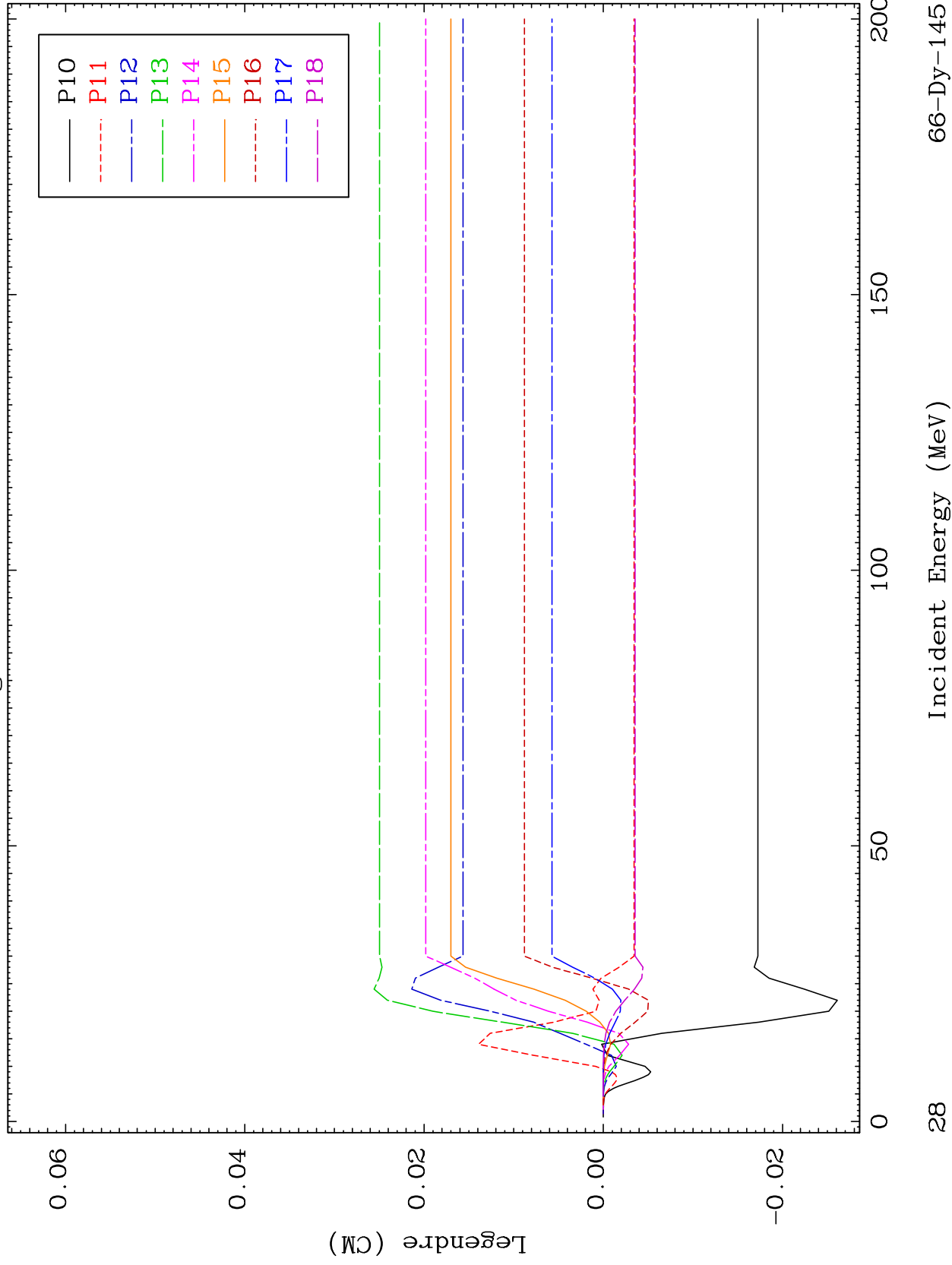
Incident Energy (MeV)

66-Dy-145

MAT 6592

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

66-Dy-145



66-Dy-145

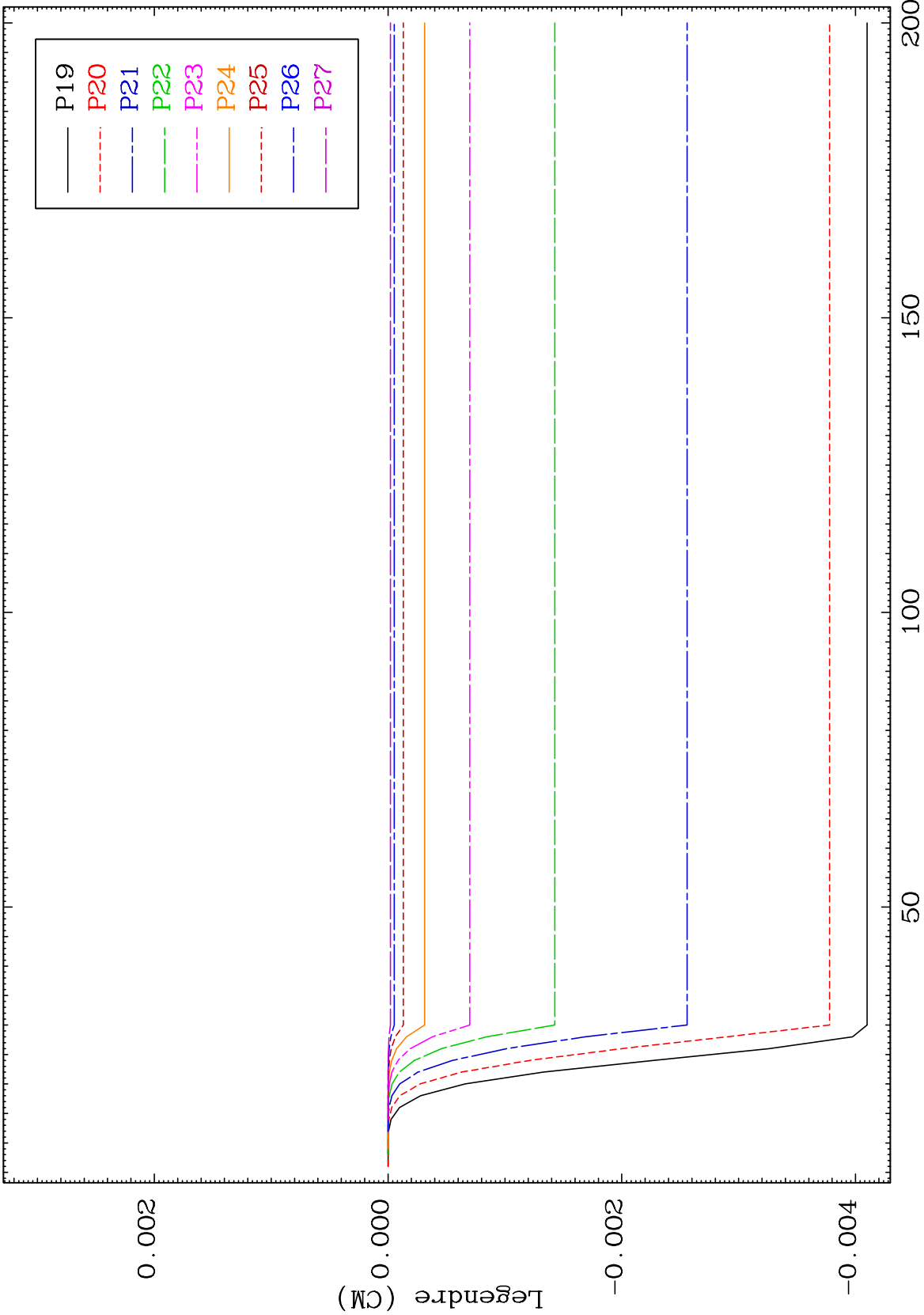
Incident Energy (MeV)

28

MAT 6592

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

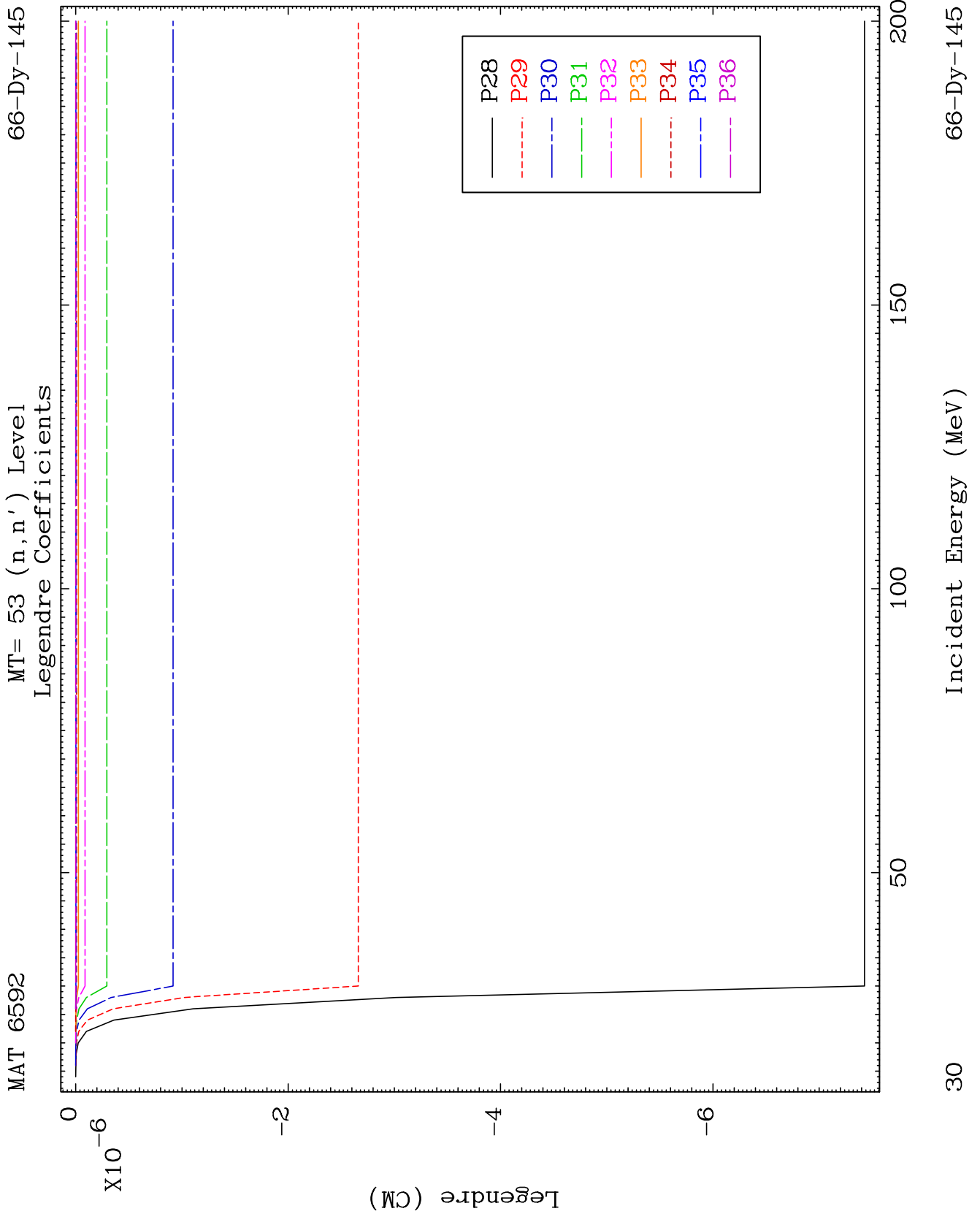
66-Dy-145



29

Incident Energy (MeV)

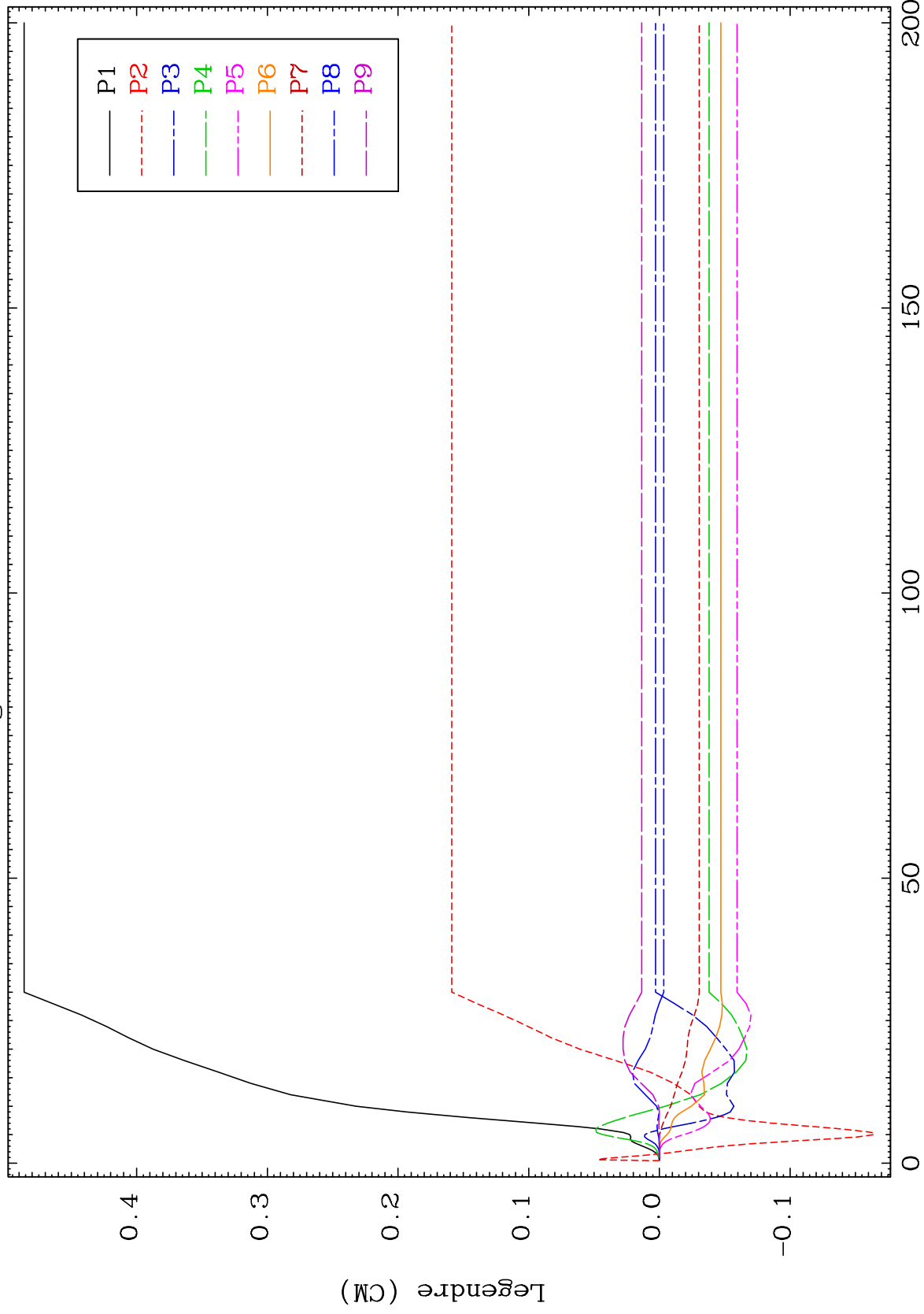
66-Dy-145



MAT 6592

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

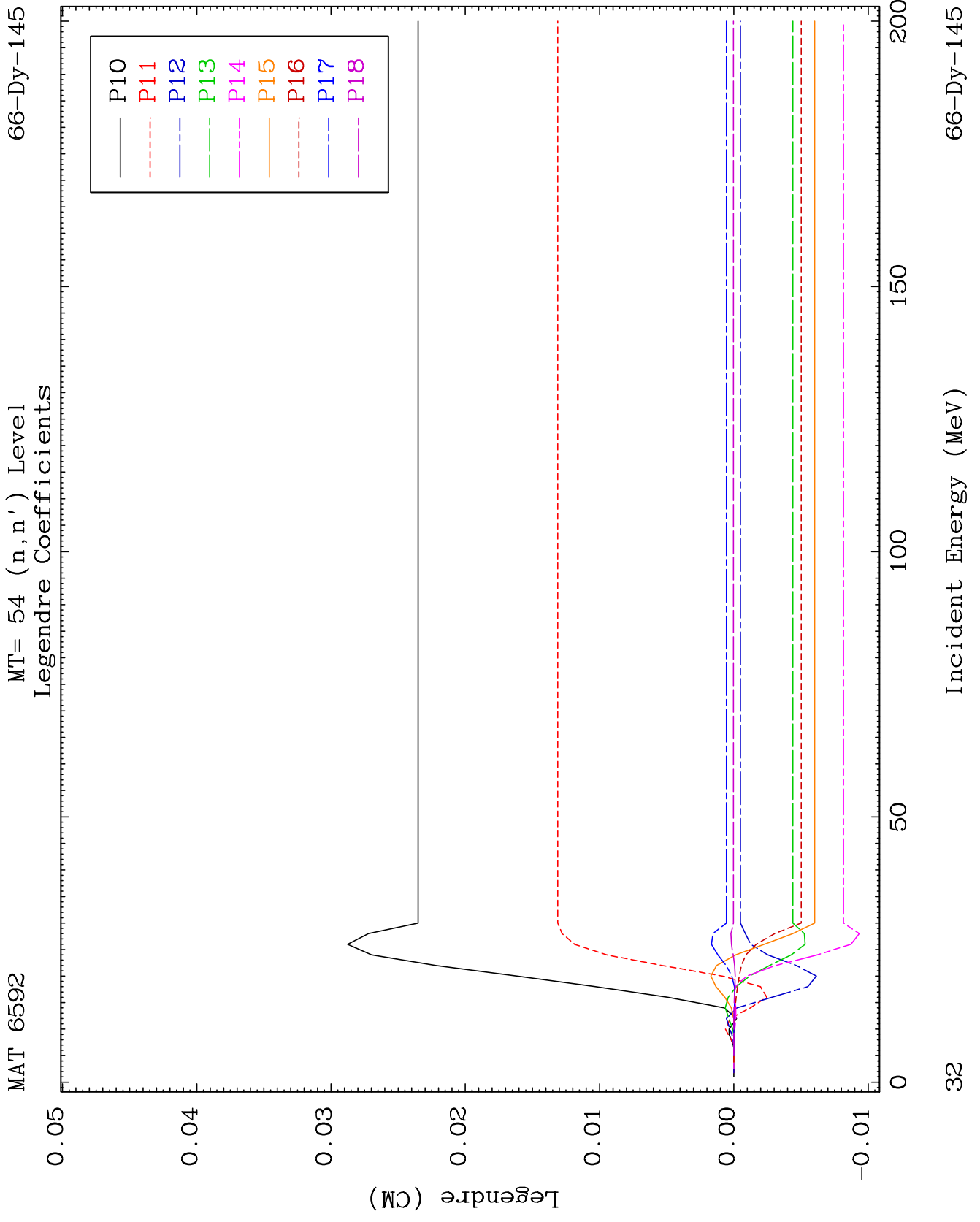
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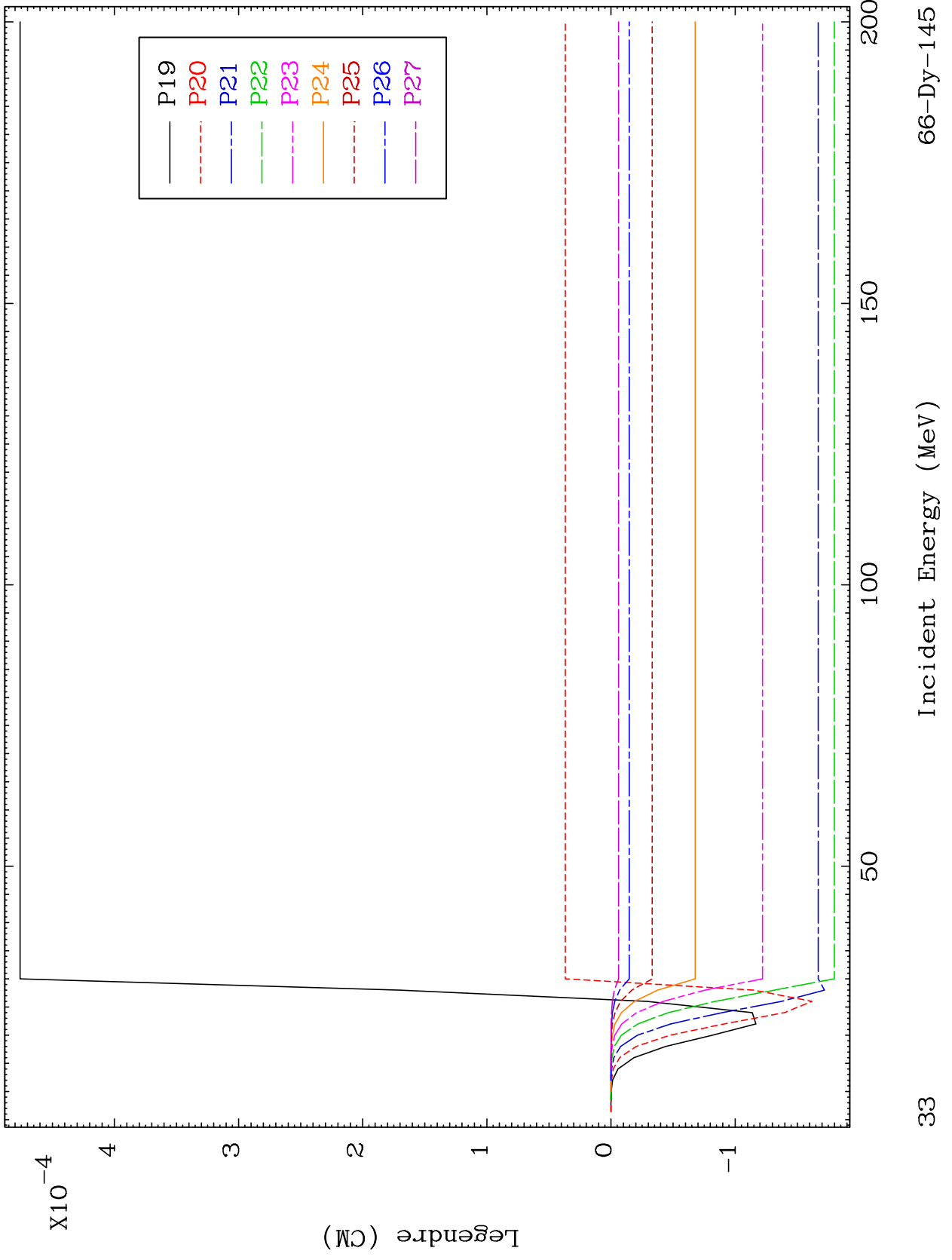


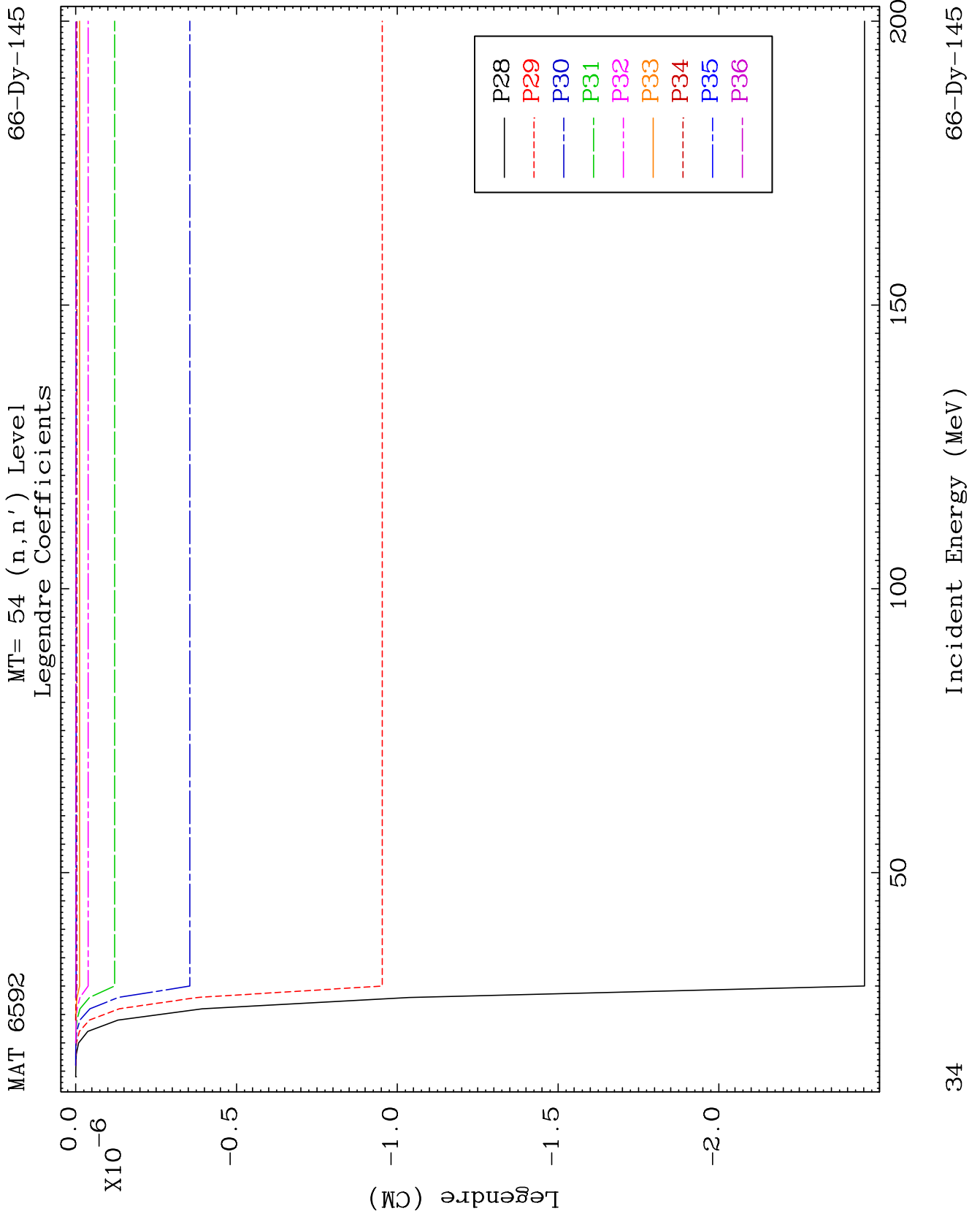
31

Incident Energy (MeV)

66-Dy-145



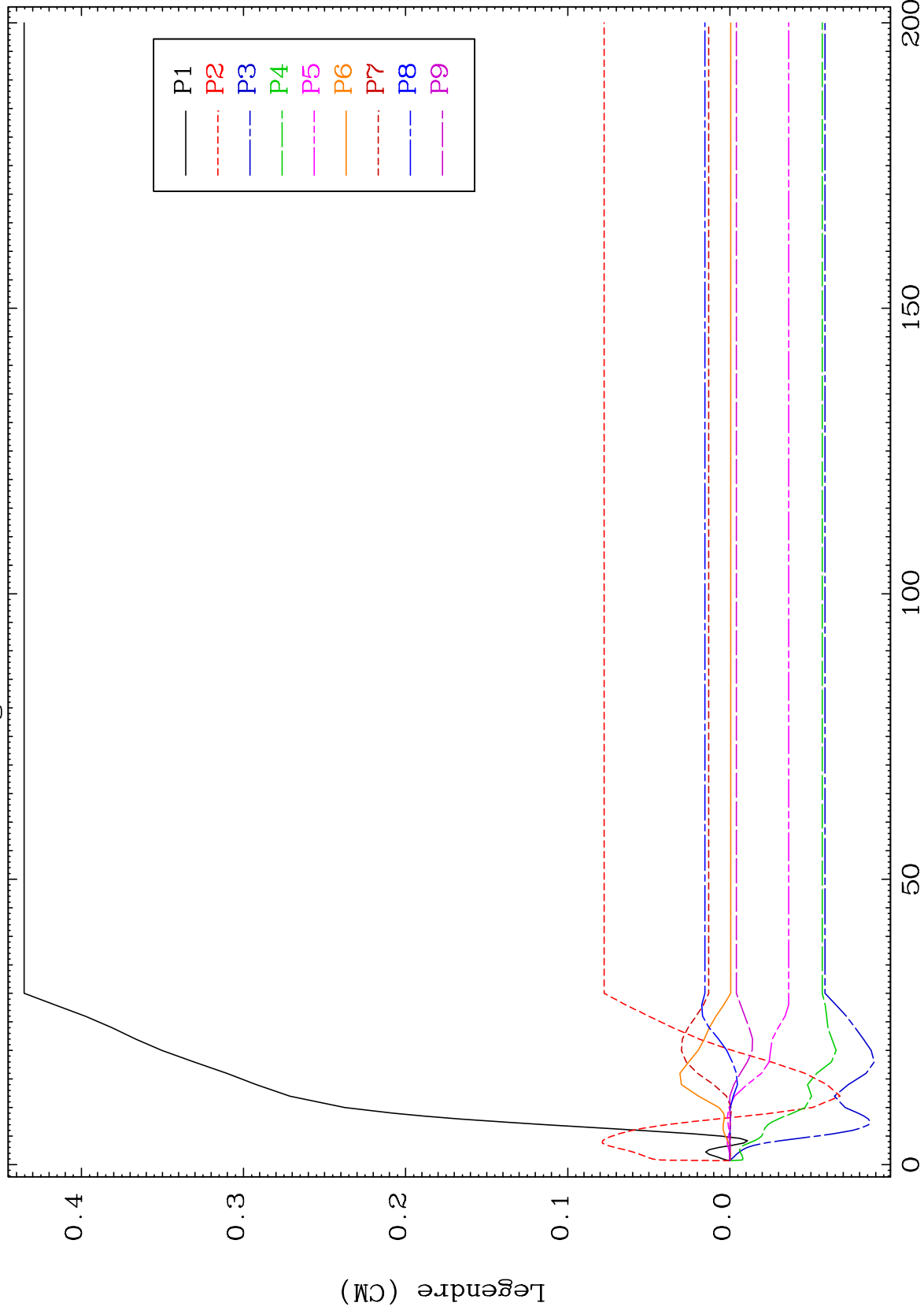




MAT 6592

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

66-Dy-145



35

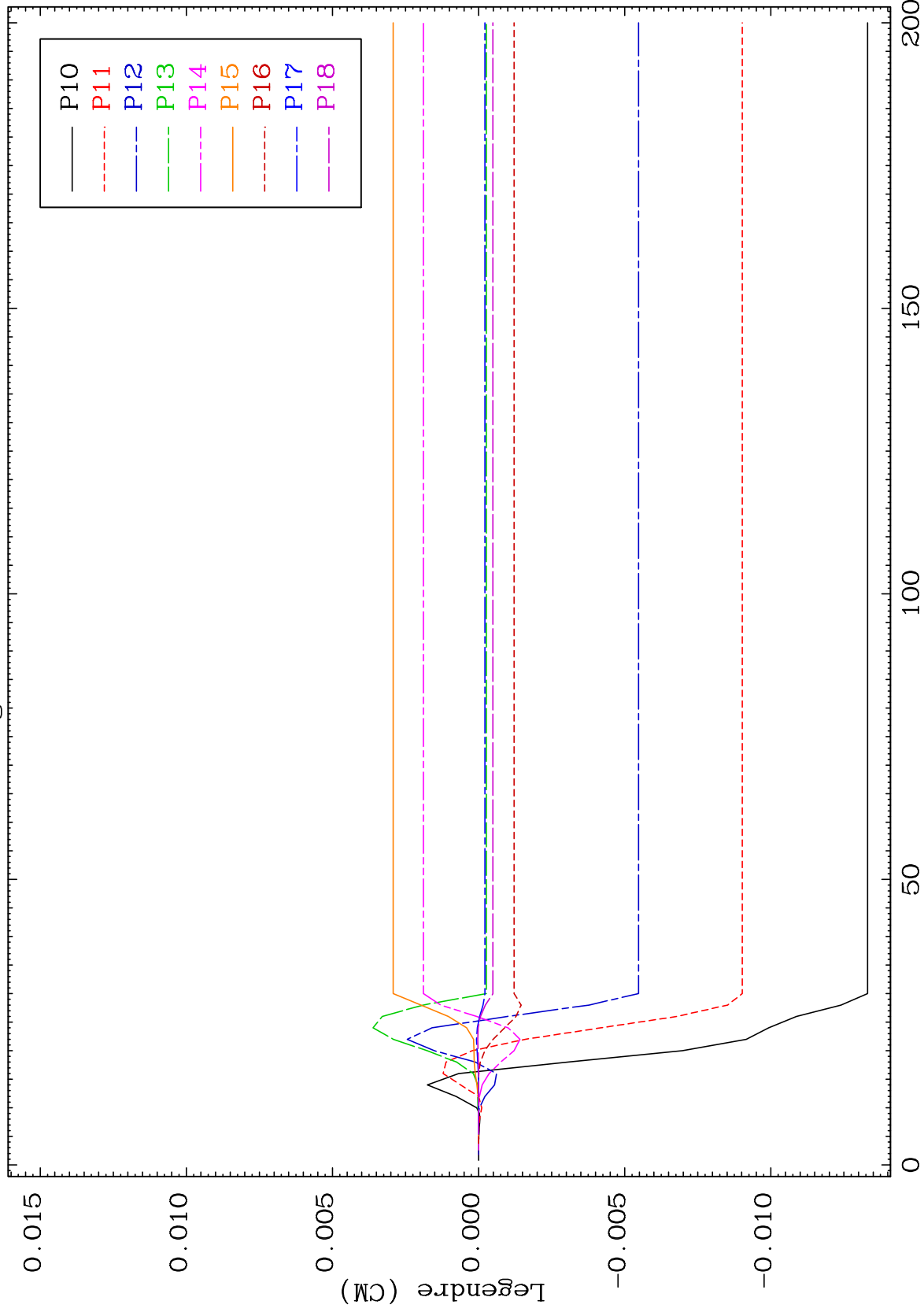
Incident Energy (MeV)

66-Dy-145

MAT 6592

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

66-Dy-145



36

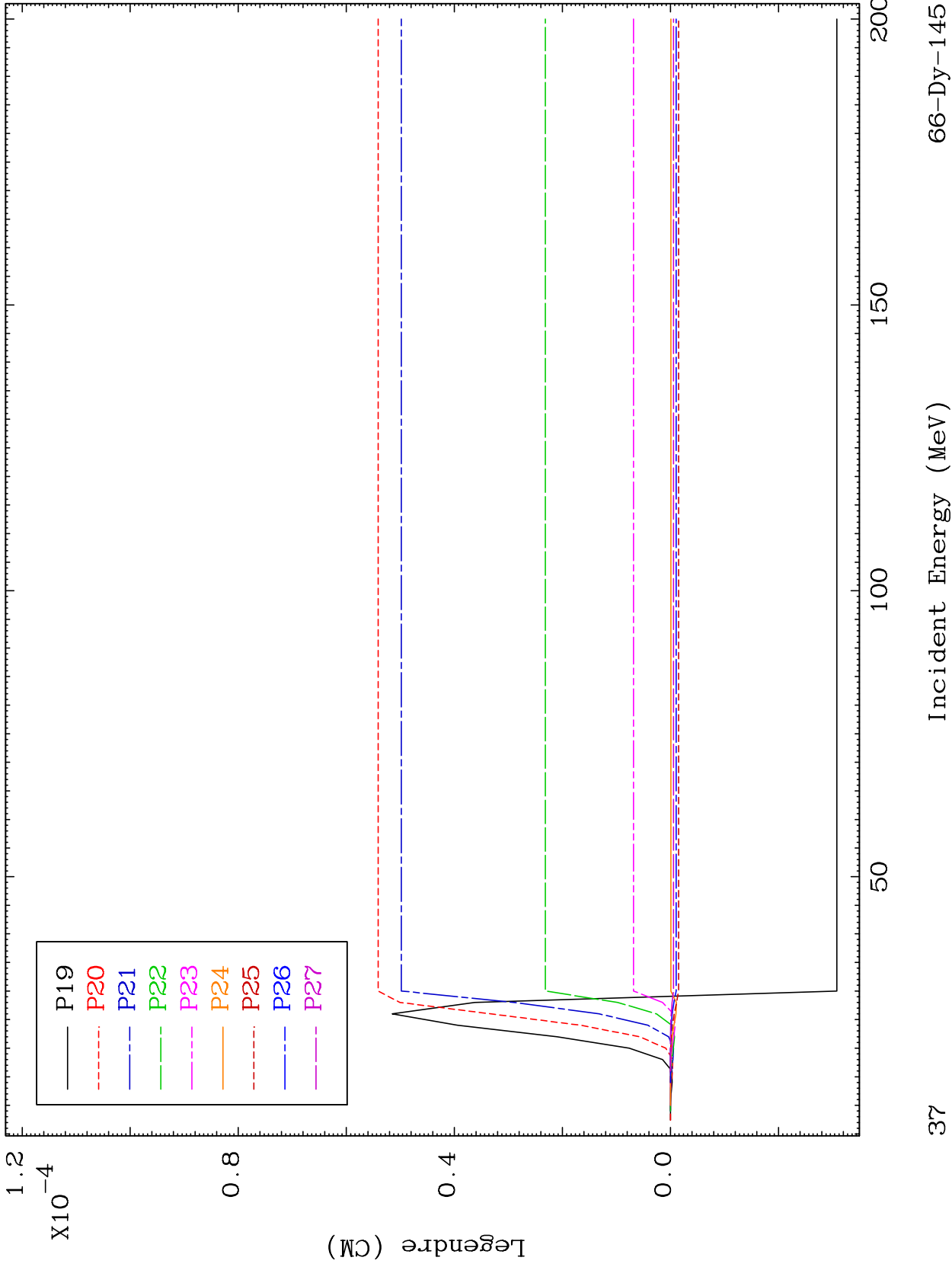
Incident Energy (MeV)

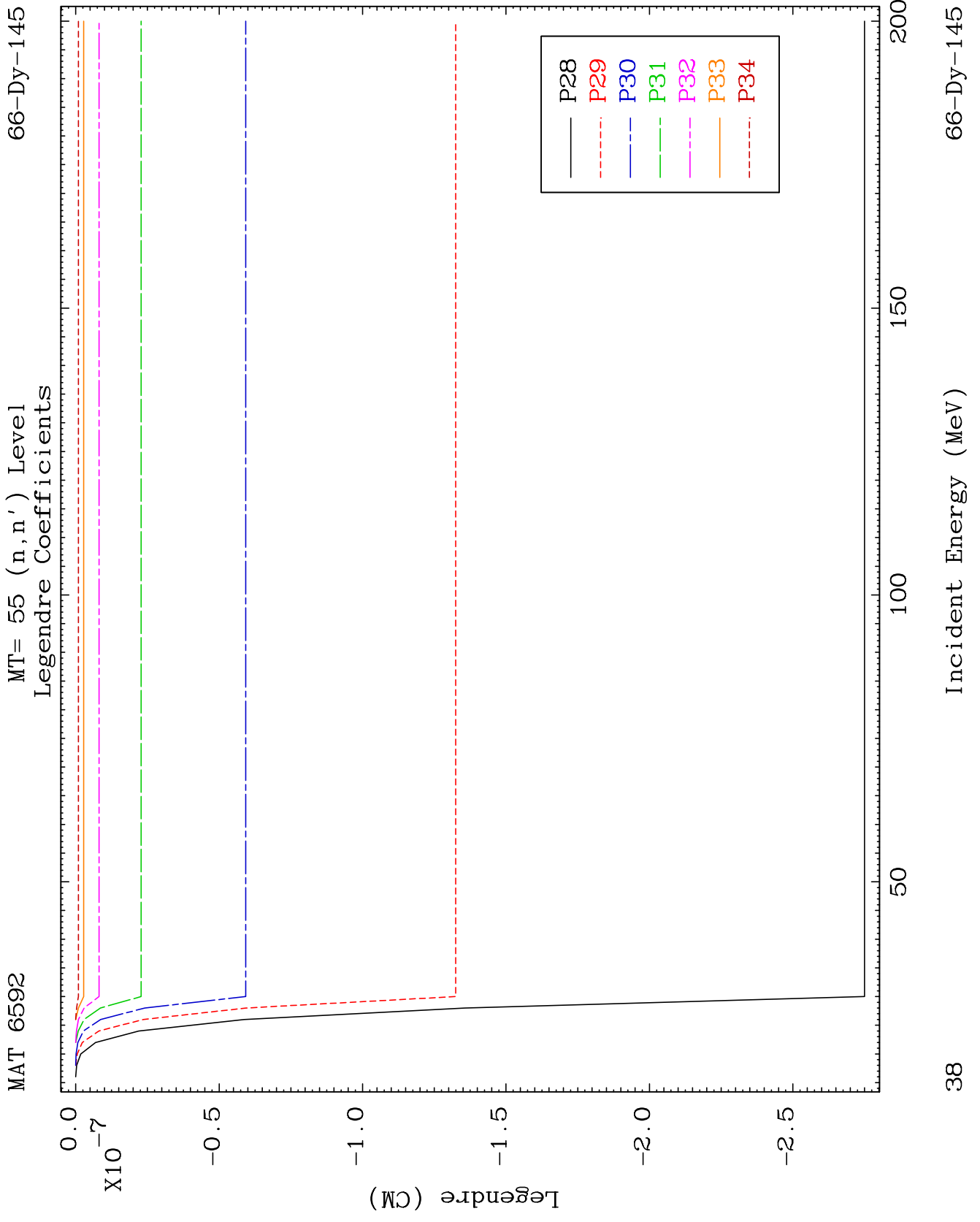
66-Dy-145

MAT 6592

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

66-Dy-145

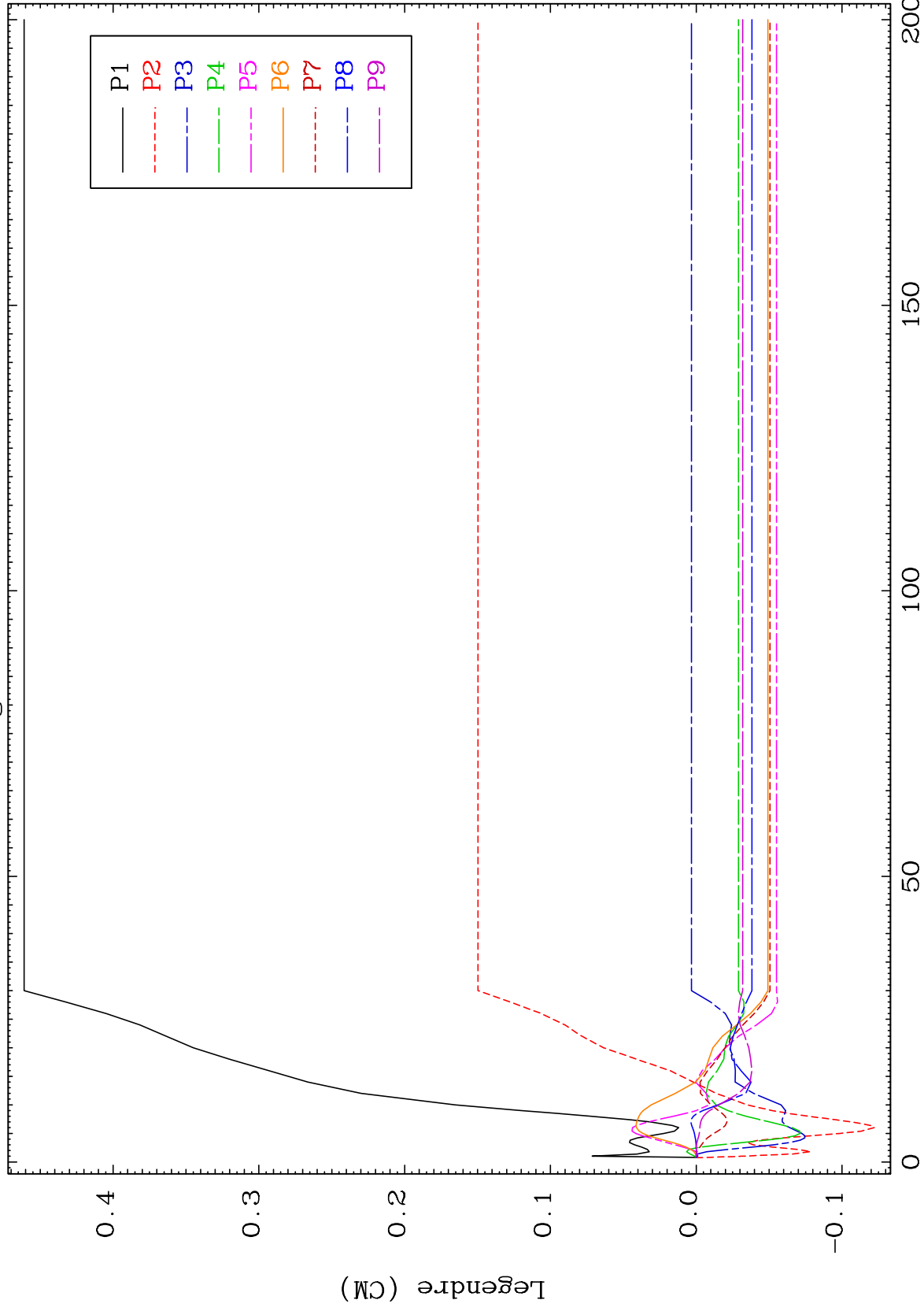




MAT 6592

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

66-Dy-145



39

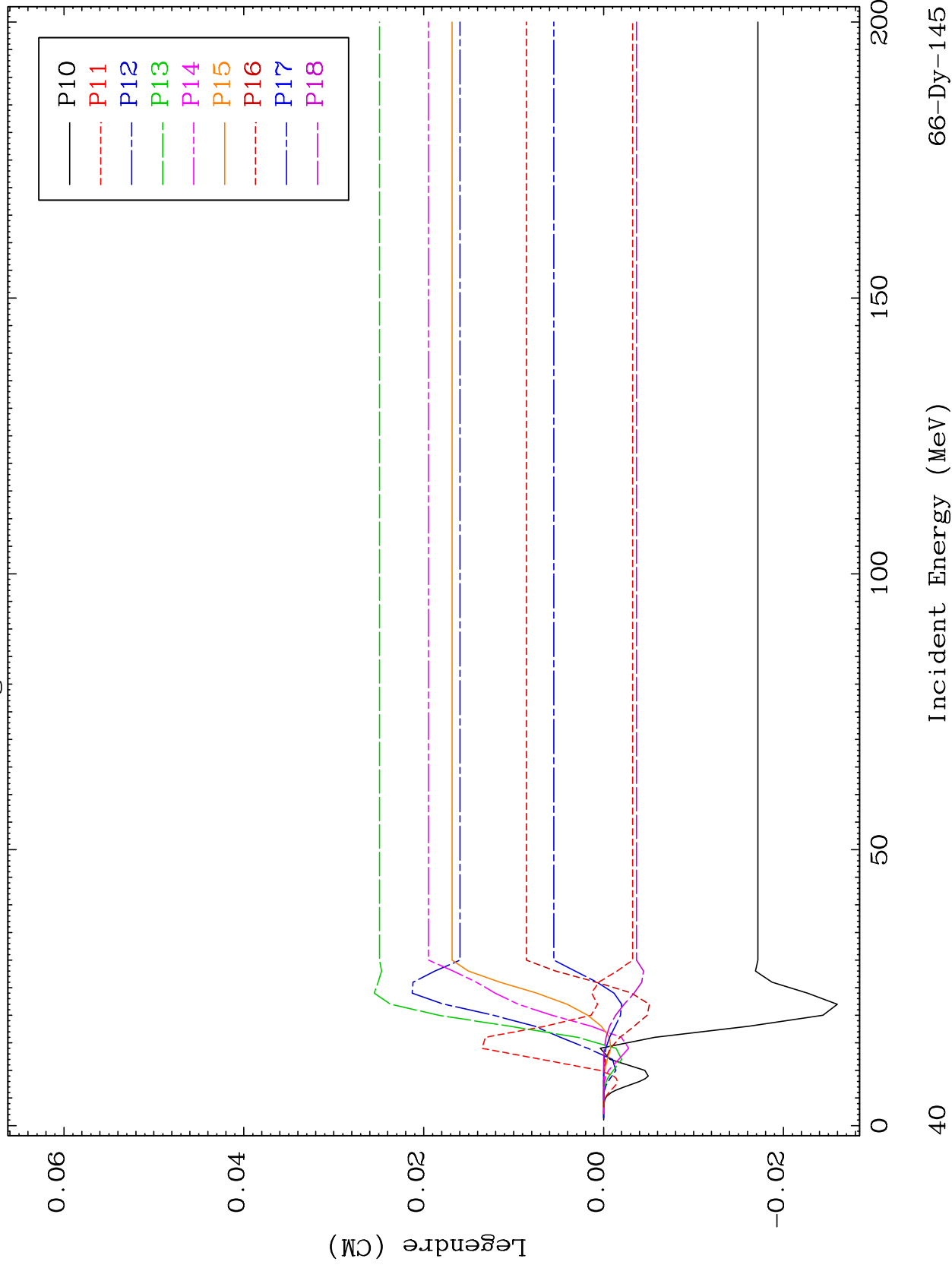
Incident Energy (MeV)

66-Dy-145

MAT 6592

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

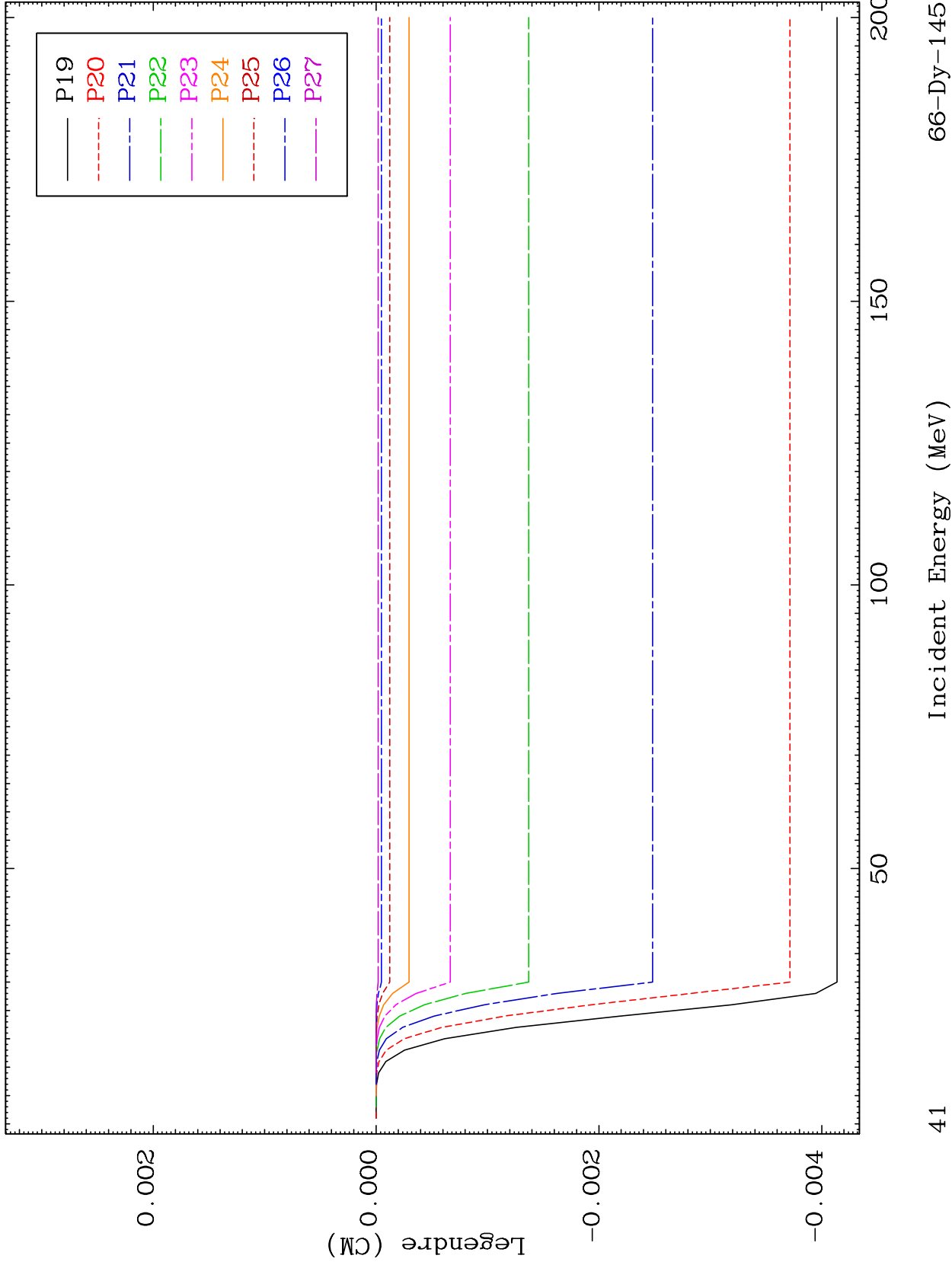
66-Dy-145



MAT 6592

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

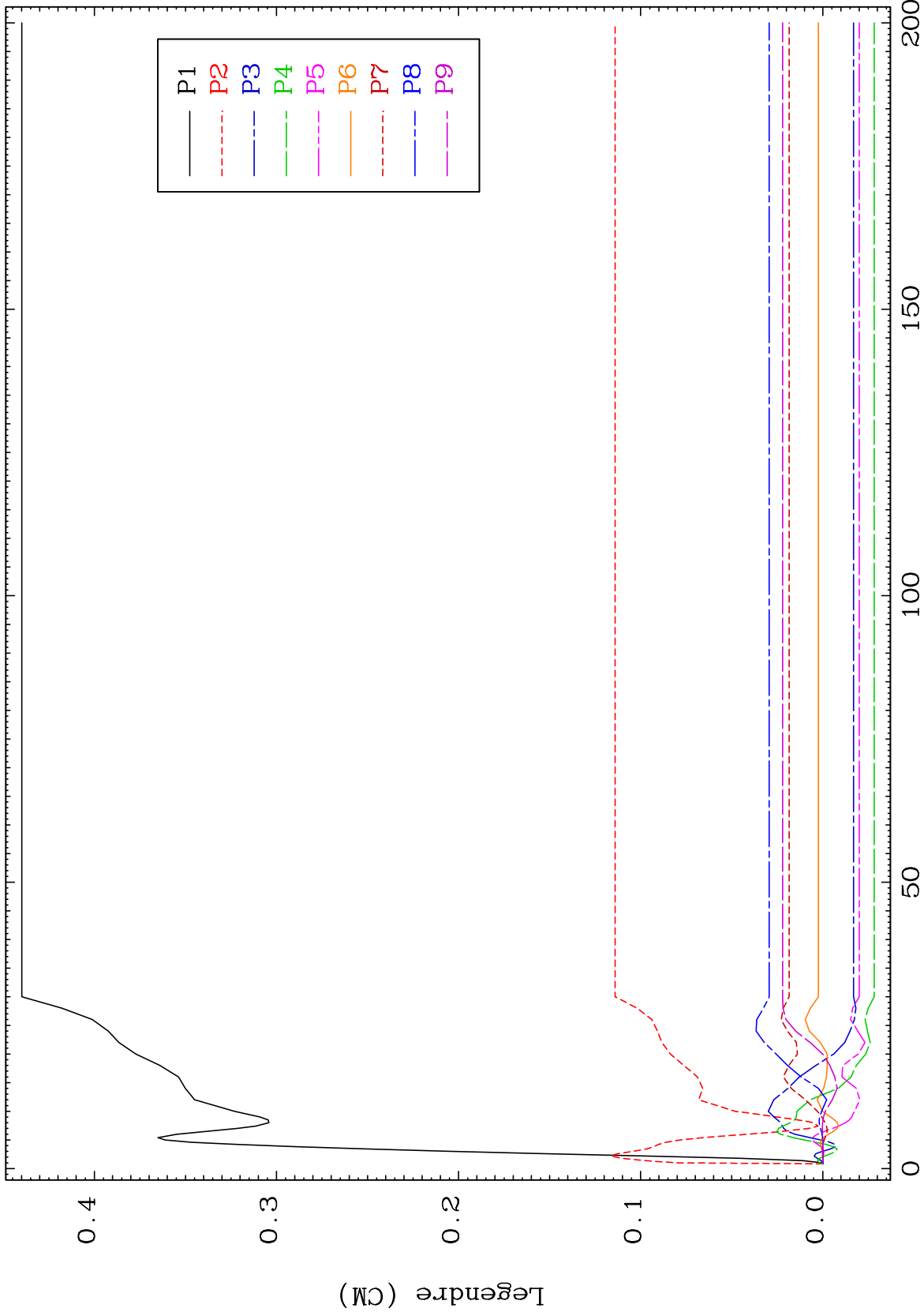
66-Dy-145



MAT 6592

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

66-Dy-145



43

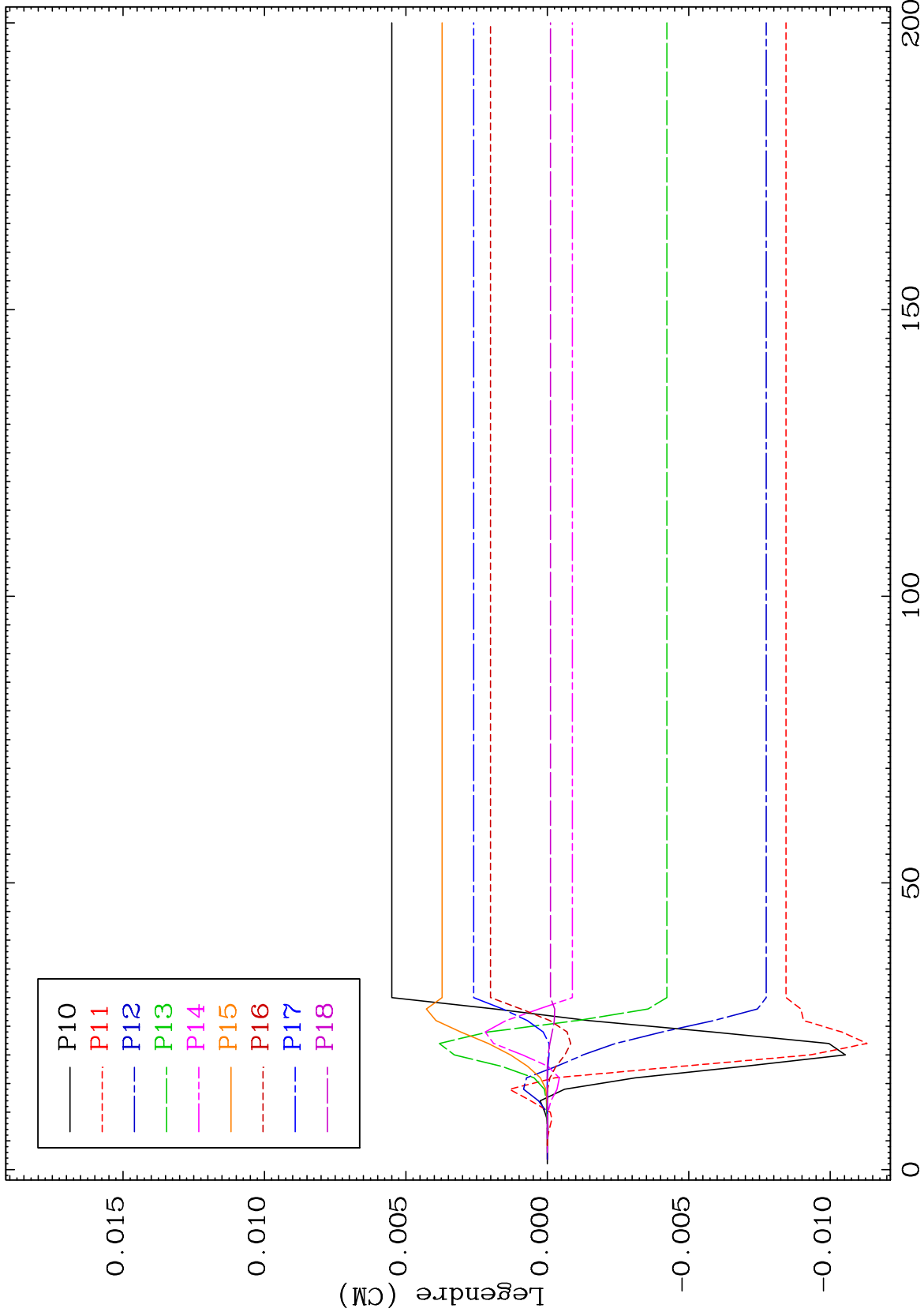
Incident Energy (MeV)

66-Dy-145

MAT 6592

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

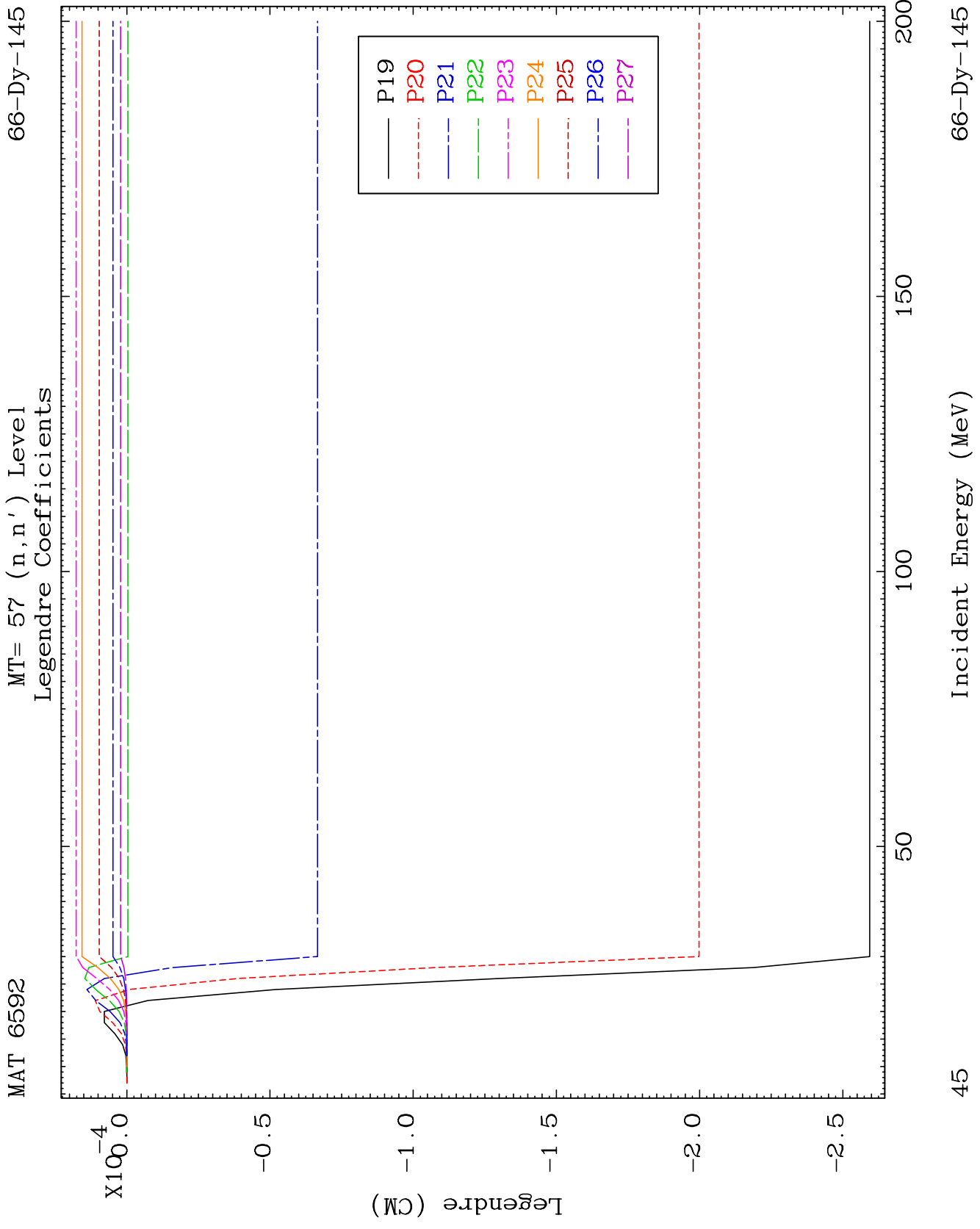
66-Dy-145



44

Incident Energy (MeV)

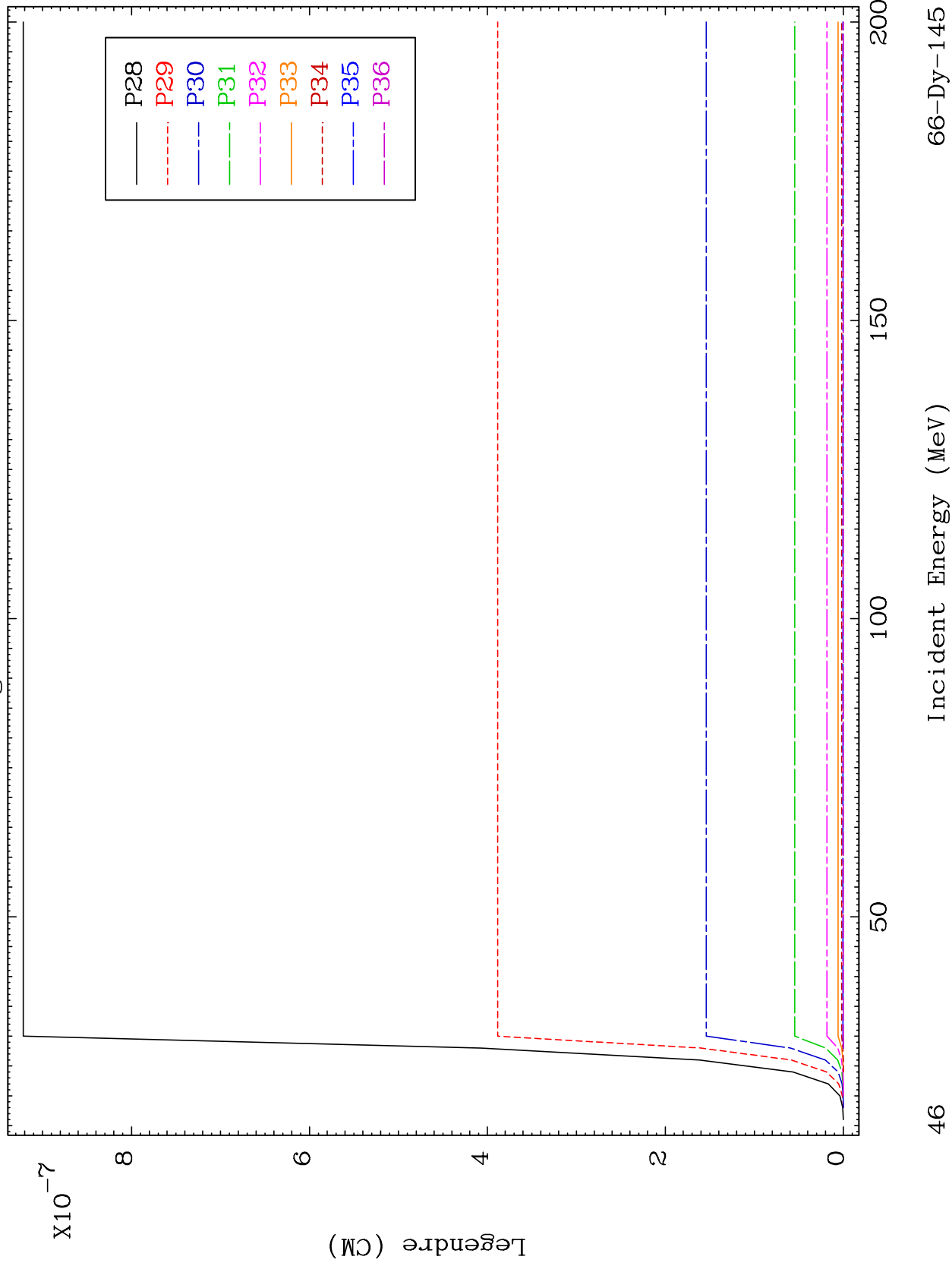
66-Dy-145



MAT 6592

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

66-Dy-145



46

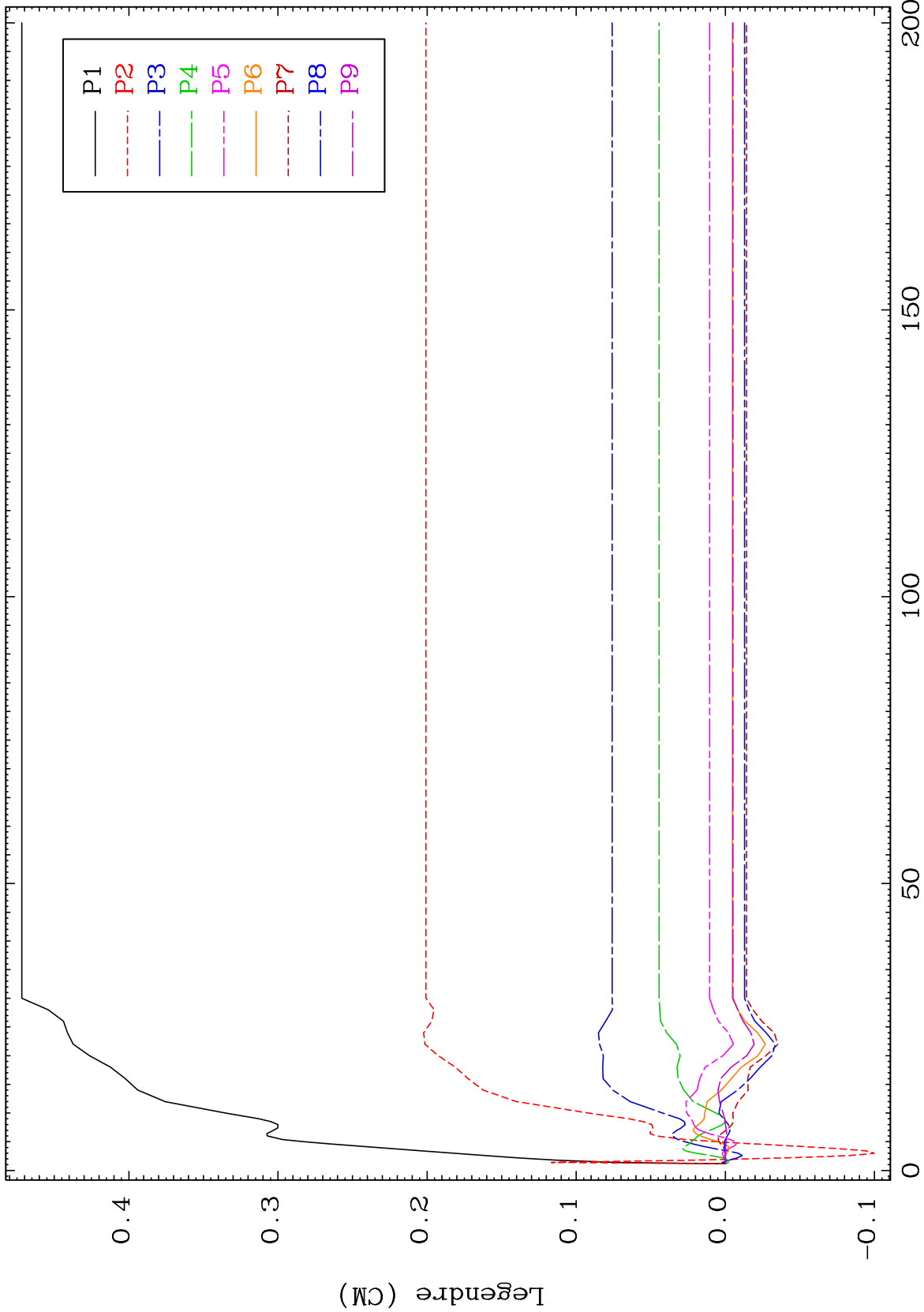
Incident Energy (MeV)

66-Dy-145

MAT 6592

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

66-Dy-145



47

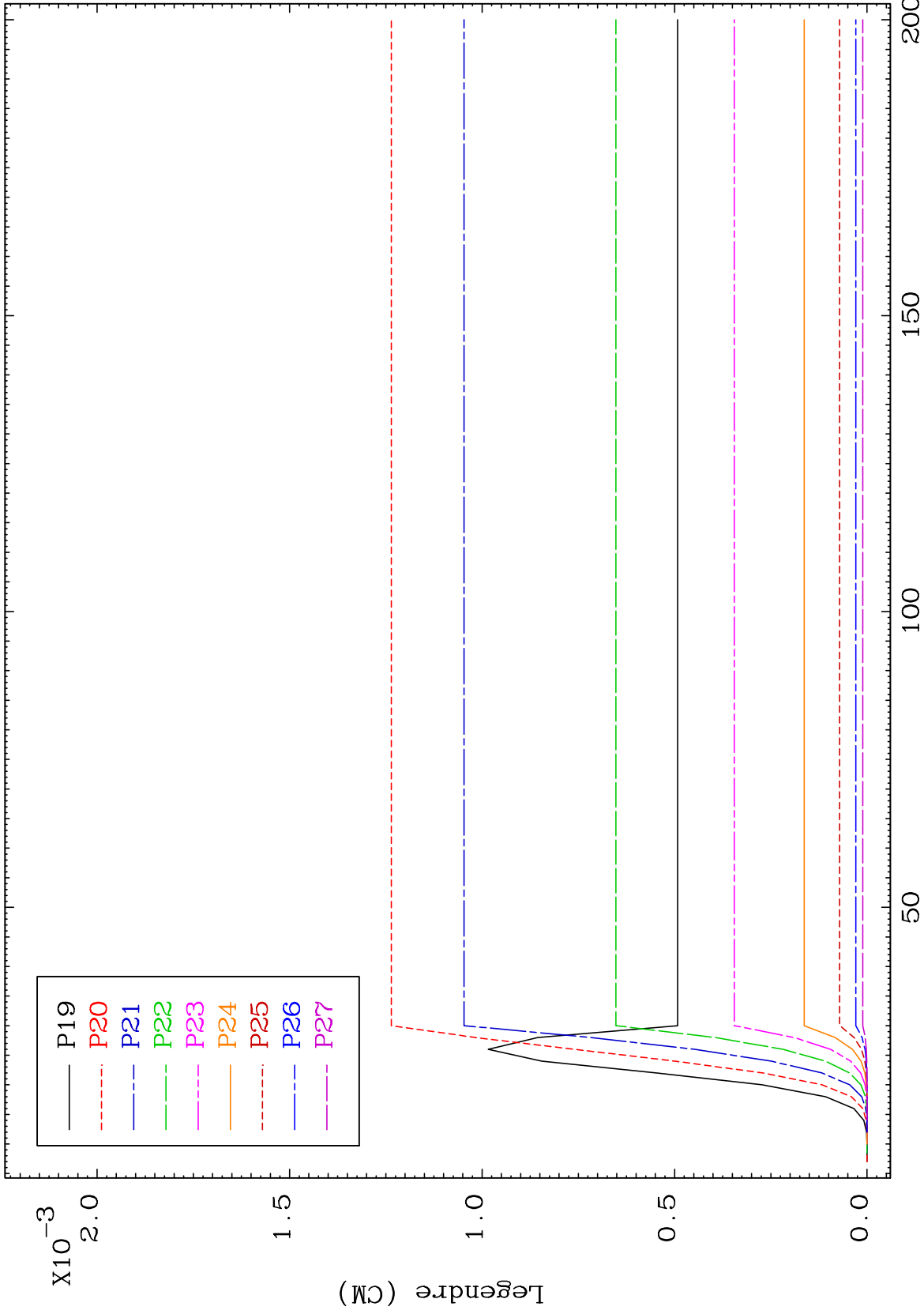
Incident Energy (MeV)

66-Dy-145

MAT 6592

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

66-Dy-145



49

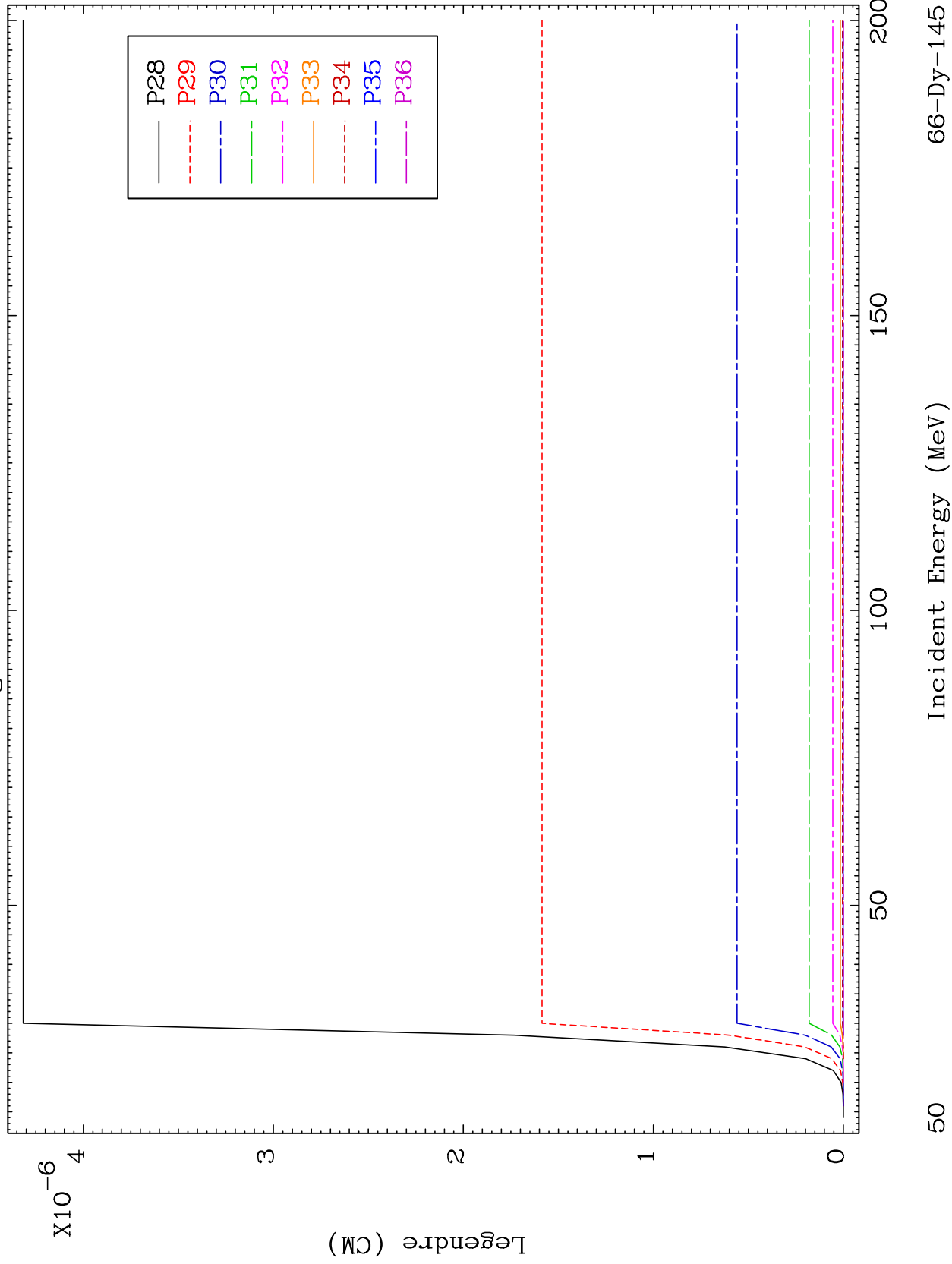
Incident Energy (MeV)

66-Dy-145

MAT 6592

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

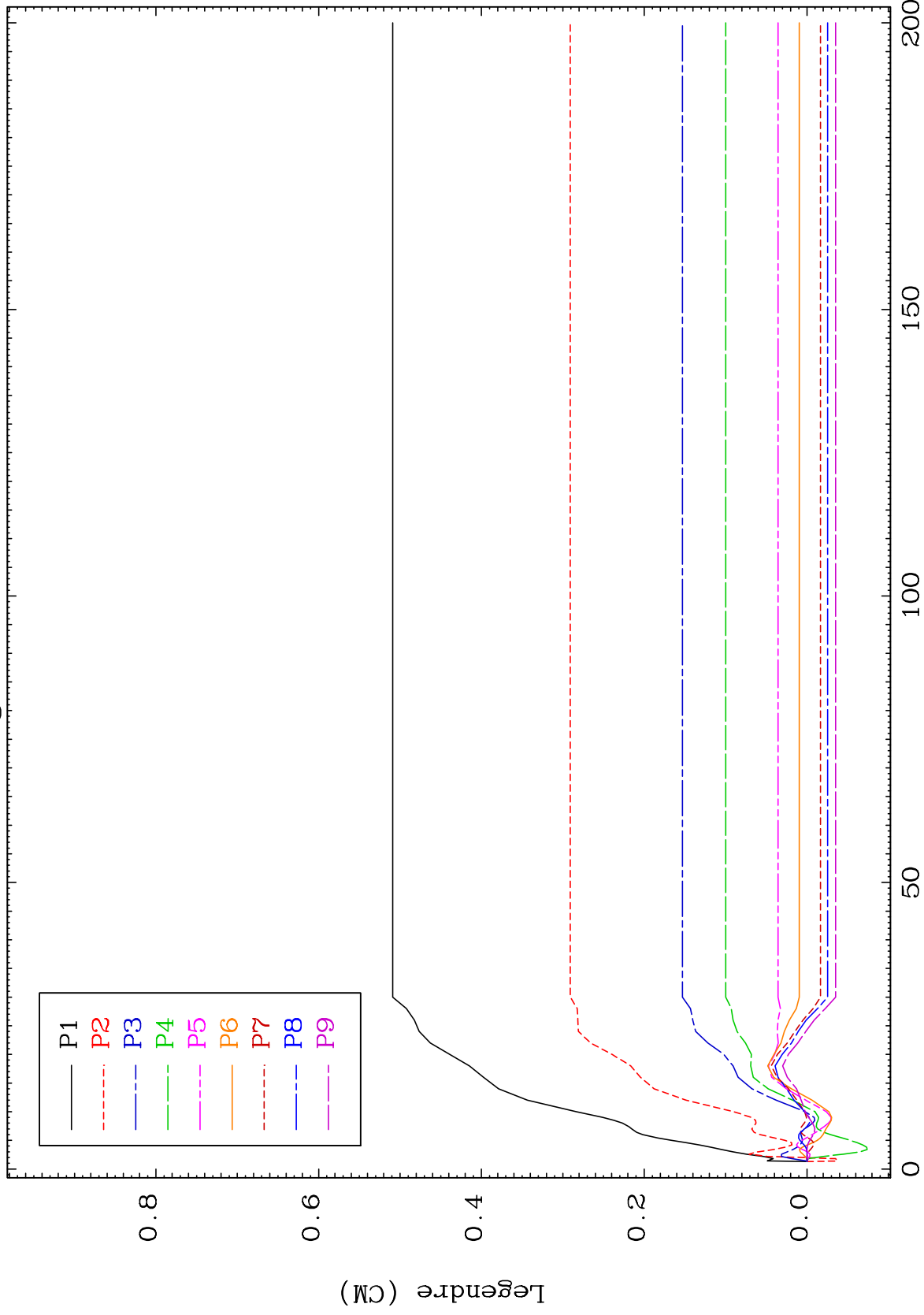
66-Dy-145



MAT 6592

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

66-Dy-145



51

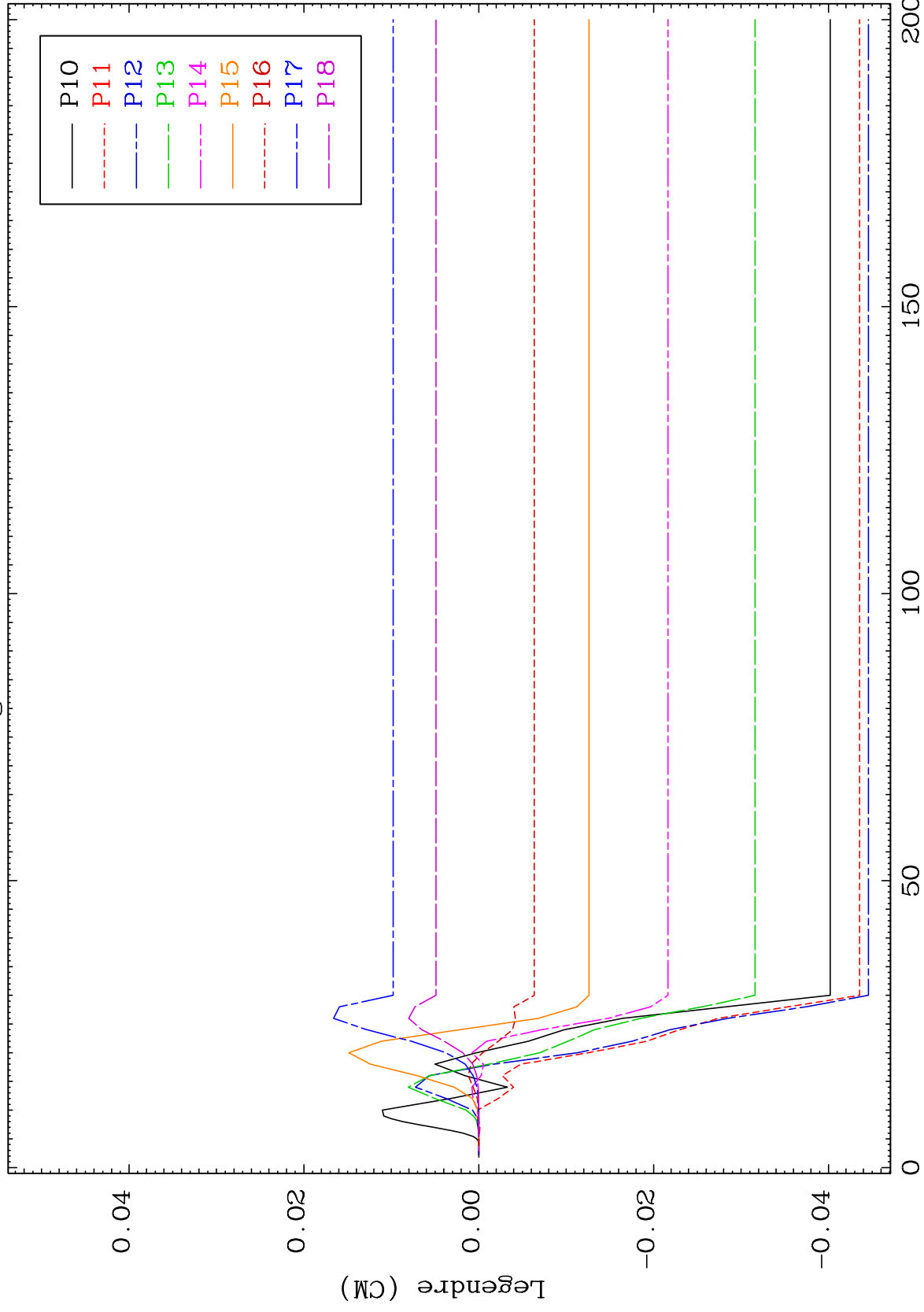
Incident Energy (MeV)

66-Dy-145

MAT 6592

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

66-Dy-145



52

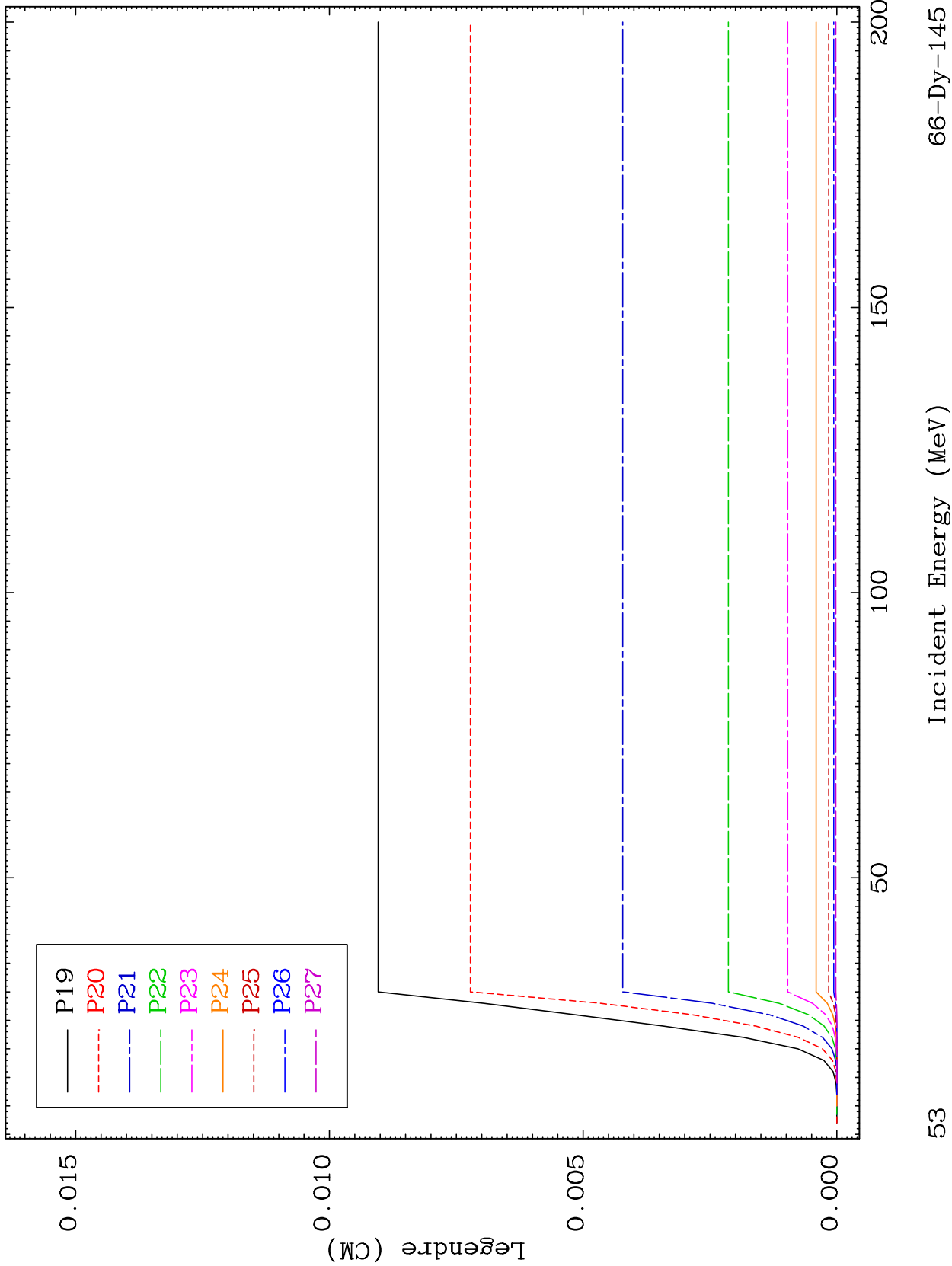
Incident Energy (MeV)

66-Dy-145

MAT 6592

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

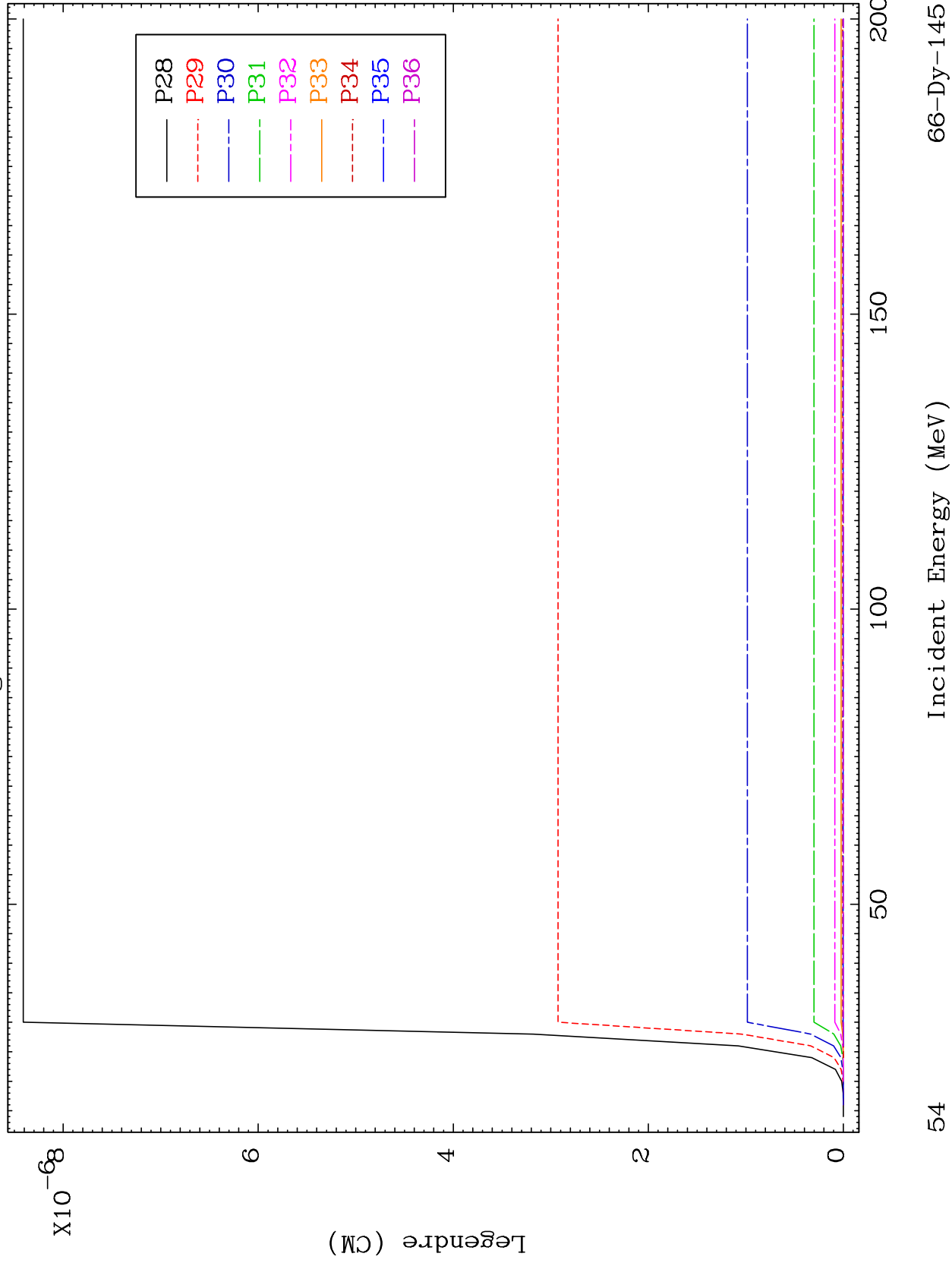
66-Dy-145



MAT 6592

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

66-Dy-145



54

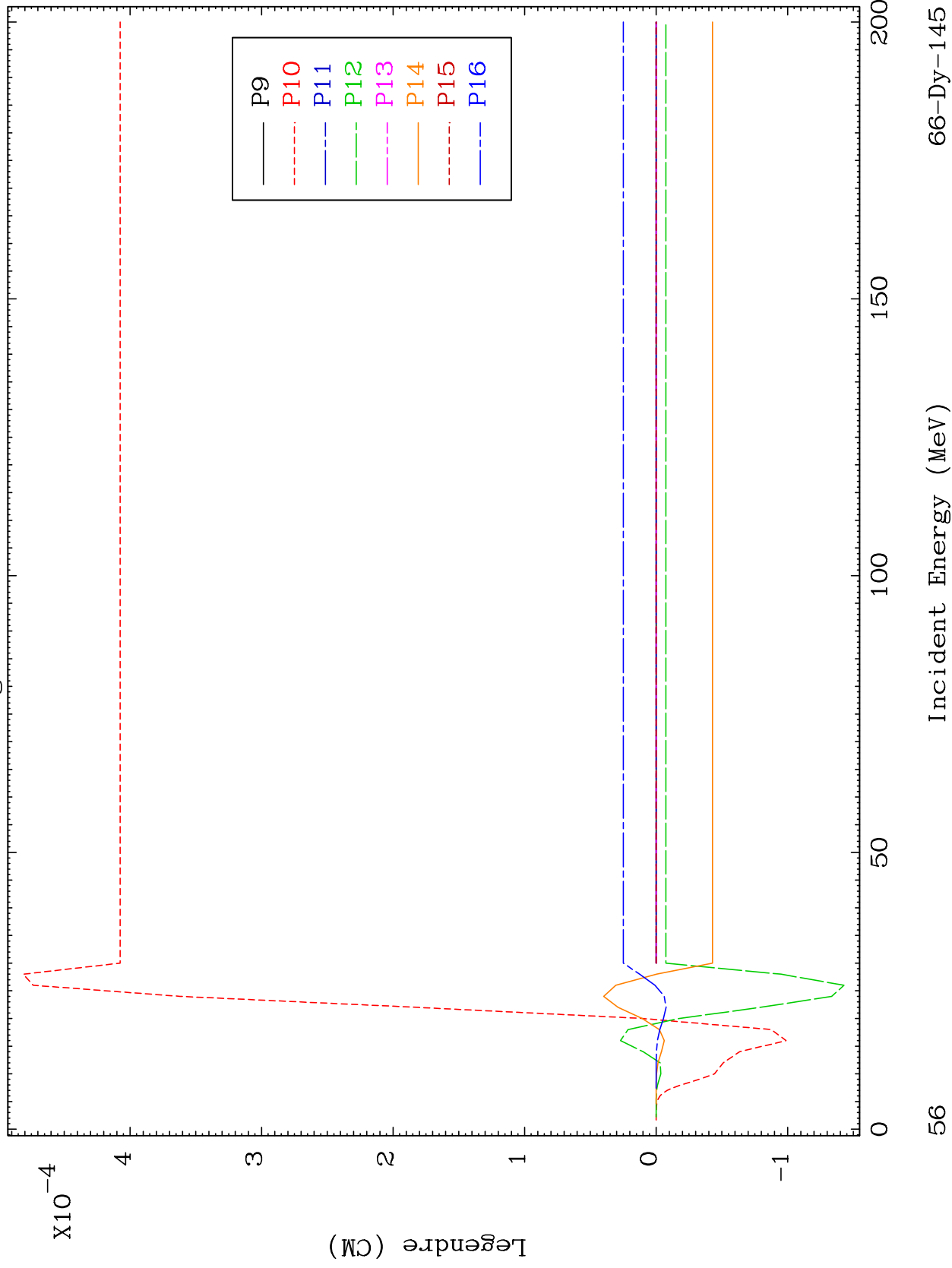
Incident Energy (MeV)

66-Dy-145

MAT 6592

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

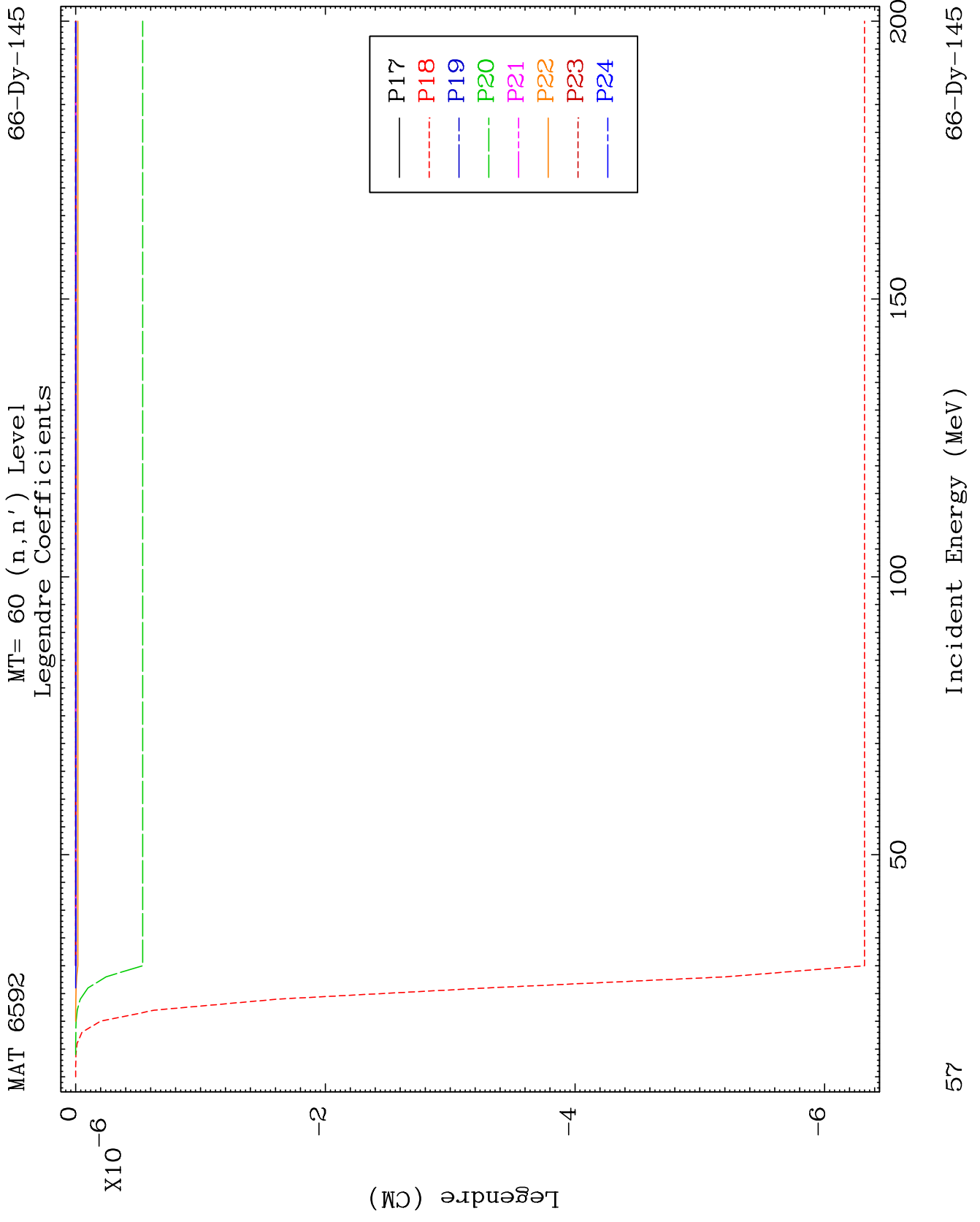
66-Dy-145



56

Incident Energy (MeV)

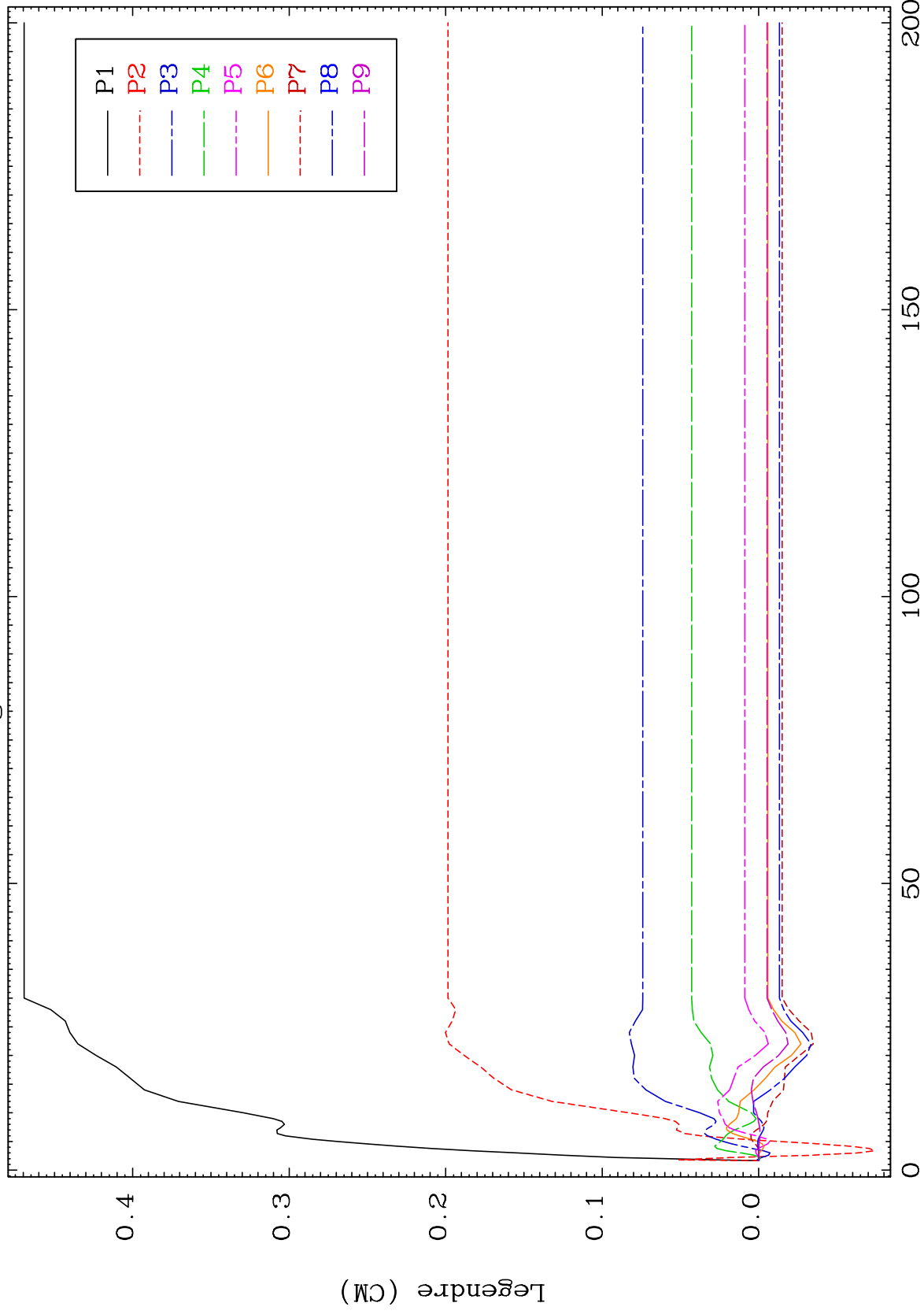
66-Dy-145



MAT 6592

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

66-Dy-145



58

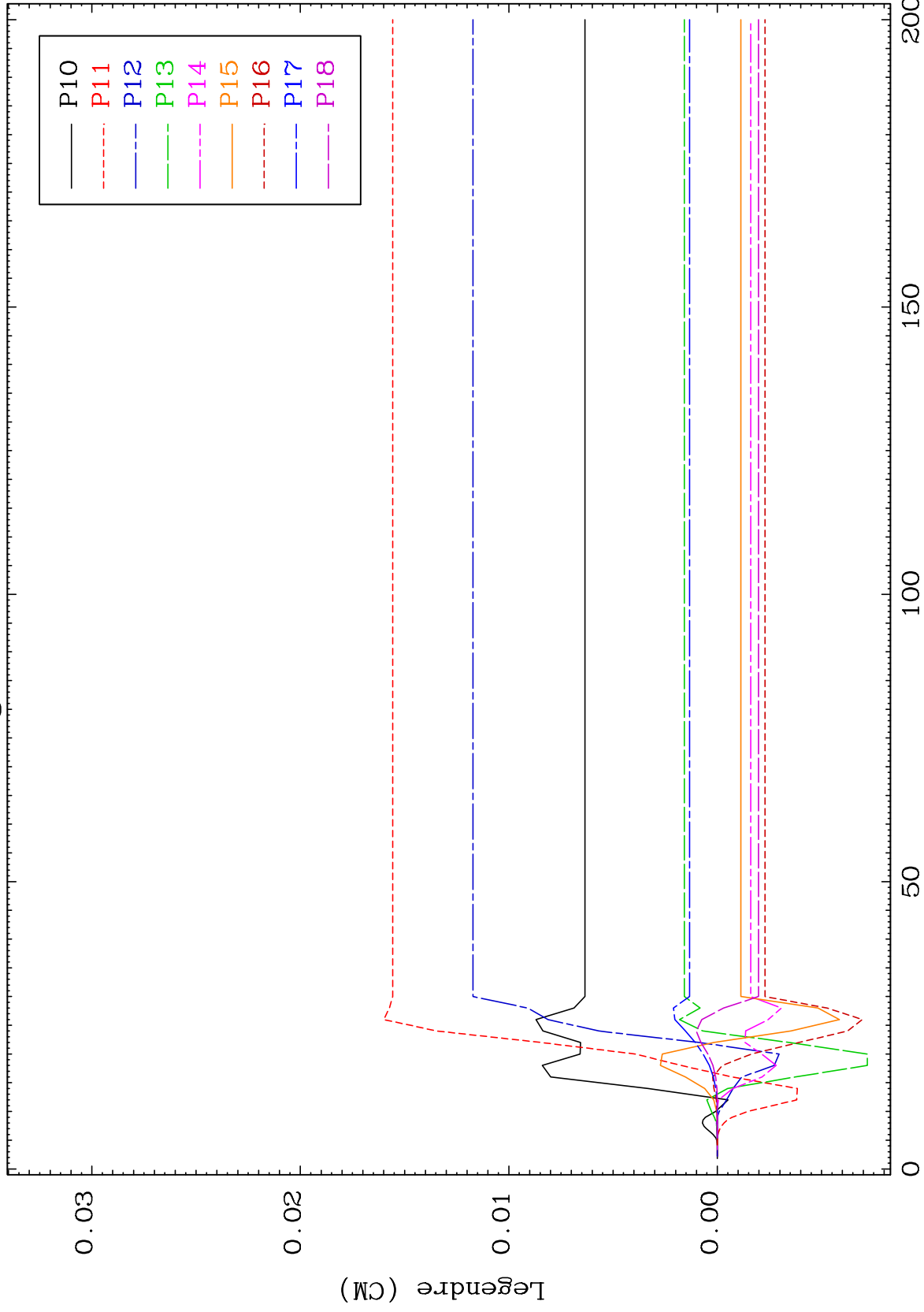
Incident Energy (MeV)

66-Dy-145

MAT 6592

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

66-Dy-145



59

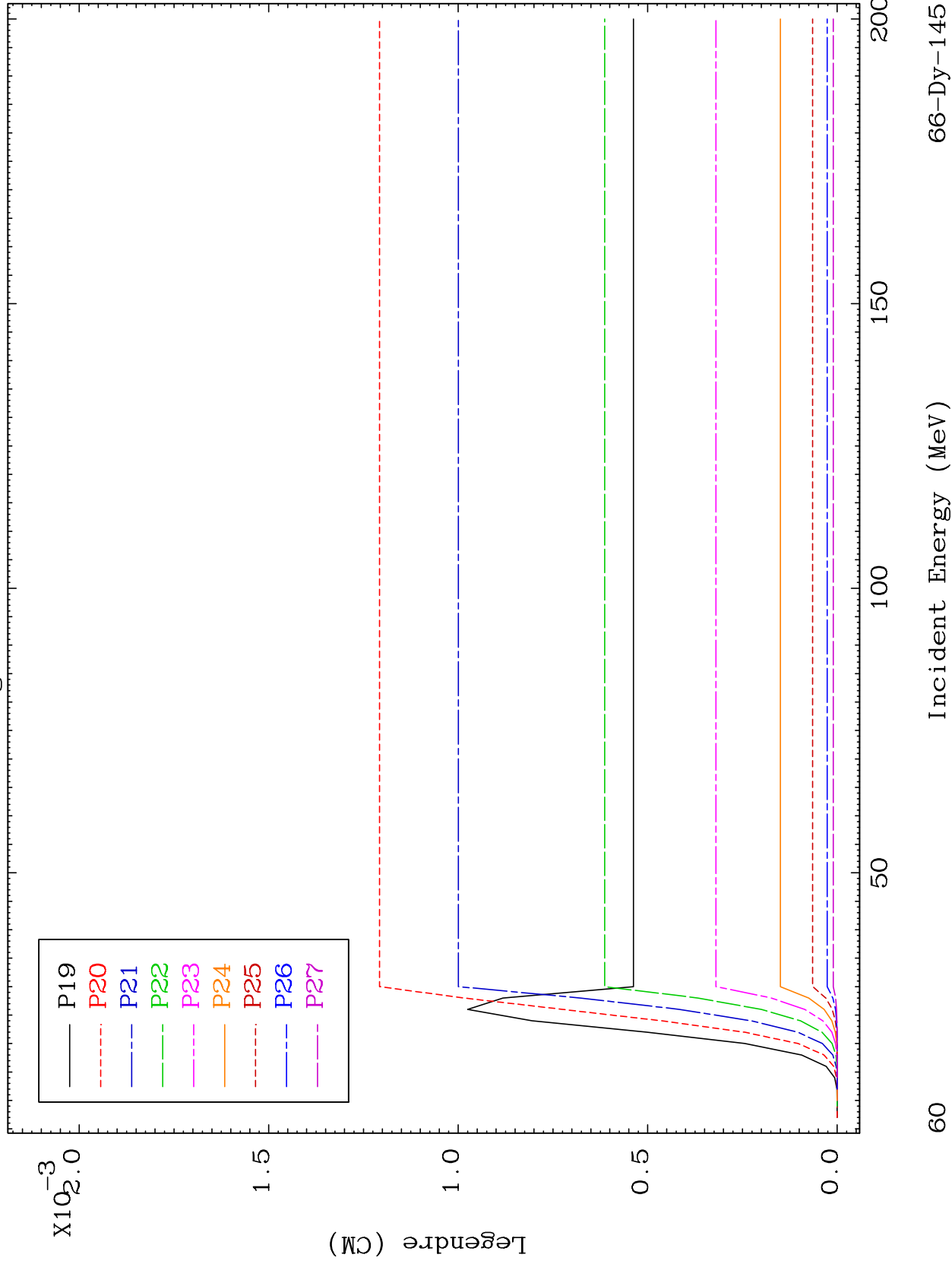
Incident Energy (MeV)

66-Dy-145

MAT 6592

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

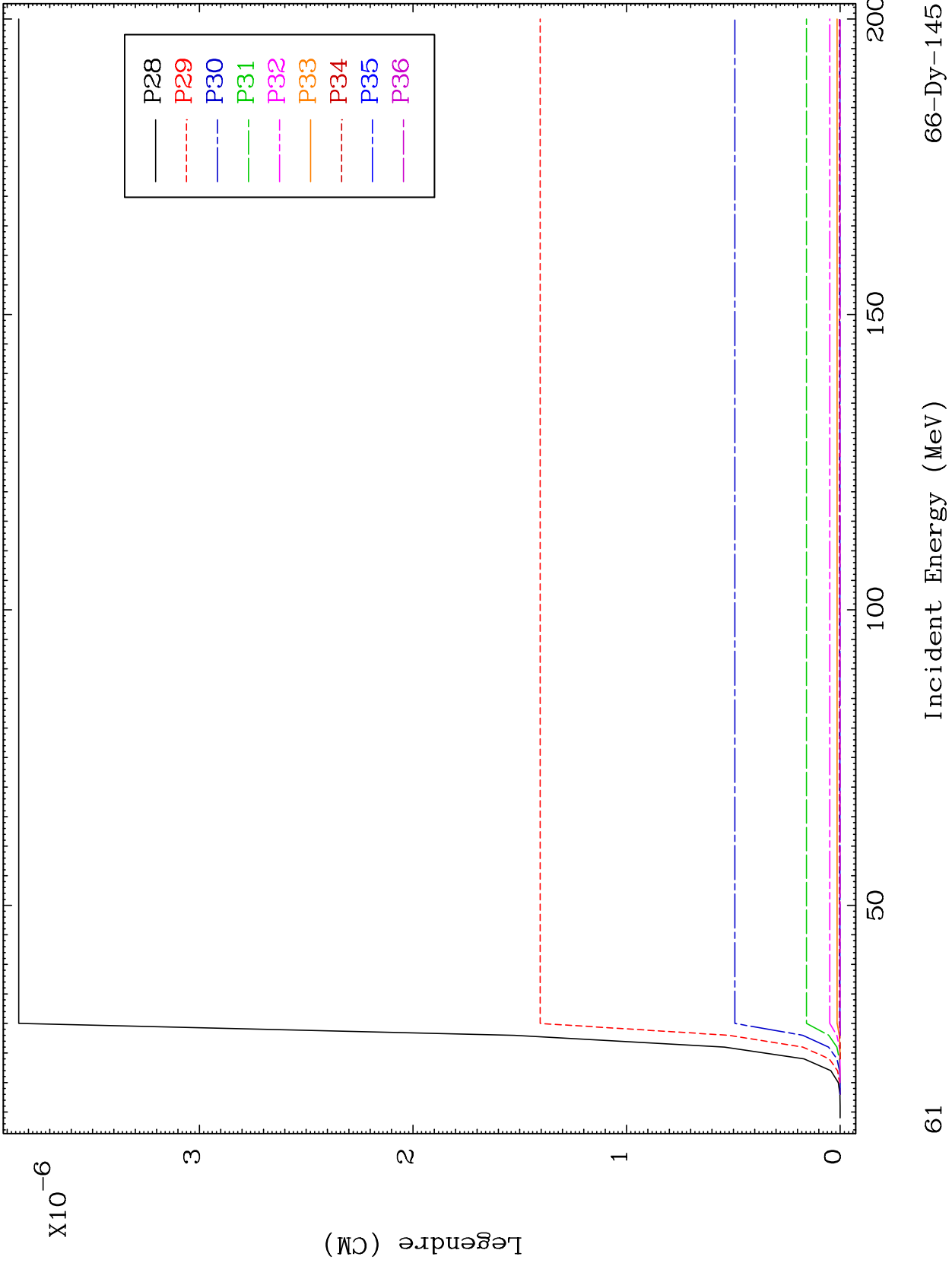
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MAT 6592

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

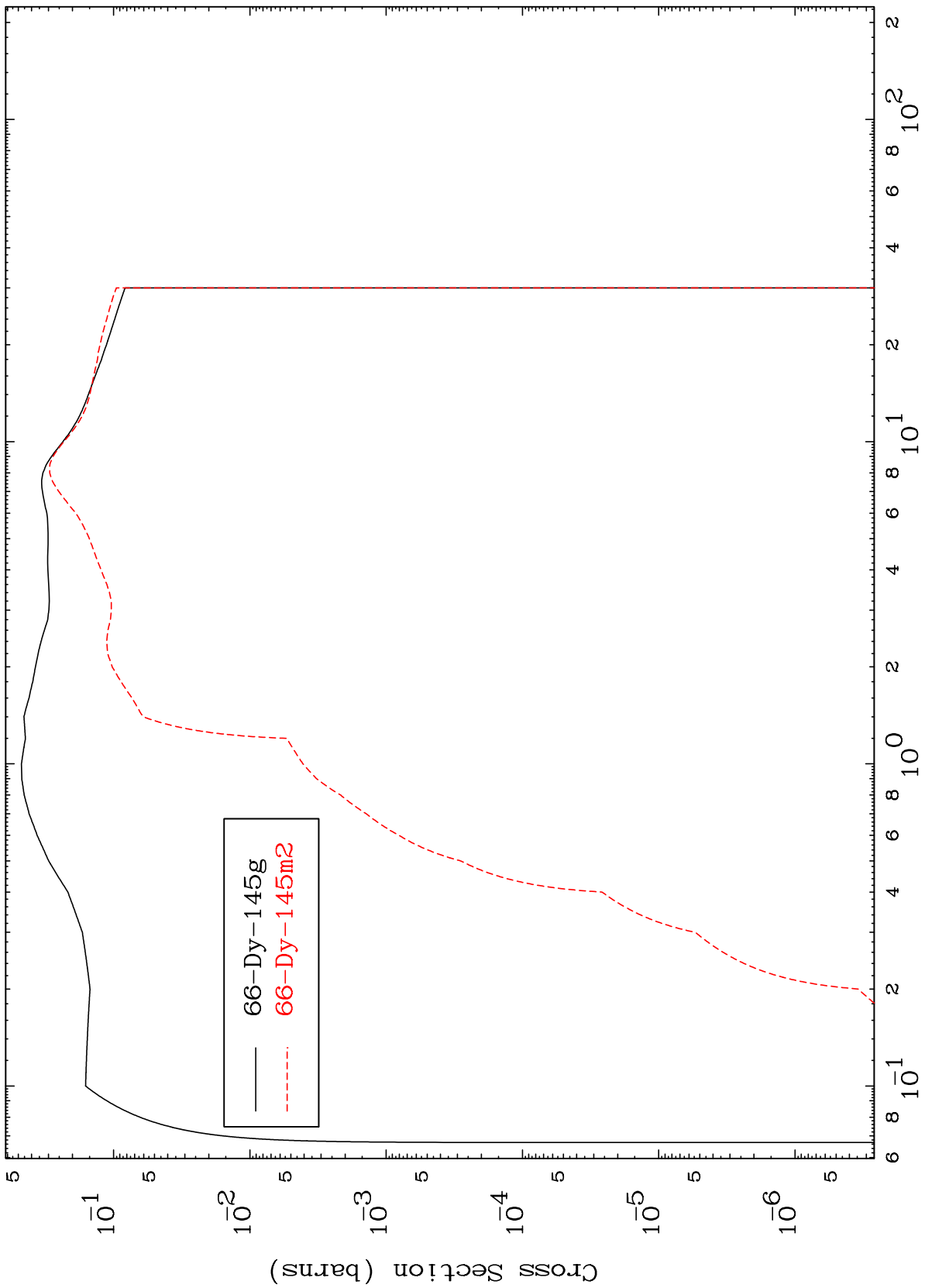
66-Dy-145



MAT 6592

66-Dy-145

Inelastic Radionuclide Production Cross Section



— 66-Dy-145g
- - - 66-Dy-145m2

66-Dy-145

Incident Energy (MeV)

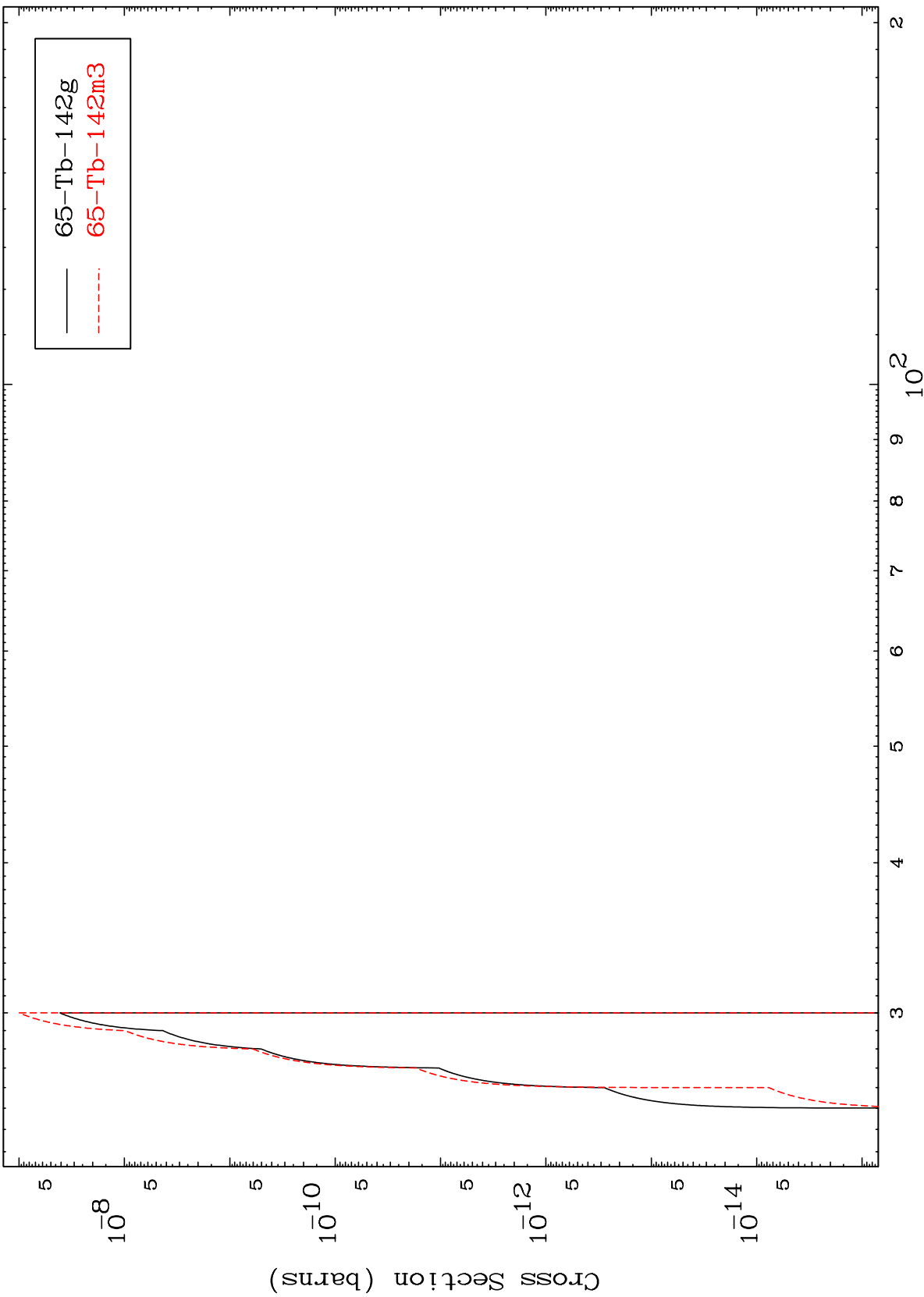
62

MAT 6592

(n,2n) d

66-Dy-145

Radionuclide Production Cross Section



65-Tb-142g
65-Tb-142m3

63

Incident Energy (MeV)

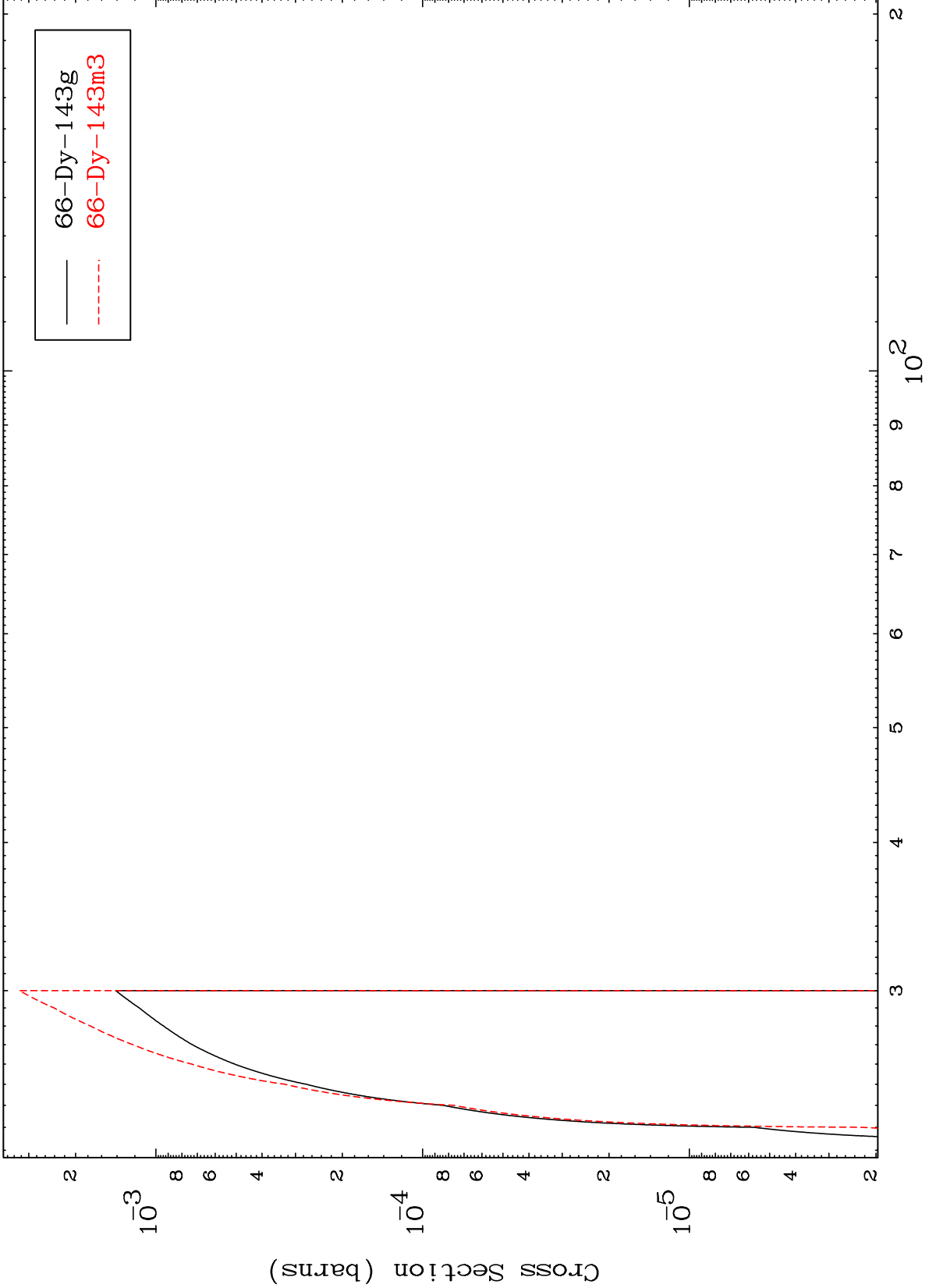
66-Dy-145

MAT 6592

(n,3n)

66-Dy-145

Radionuclide Production Cross Section



64

Incident Energy (MeV)

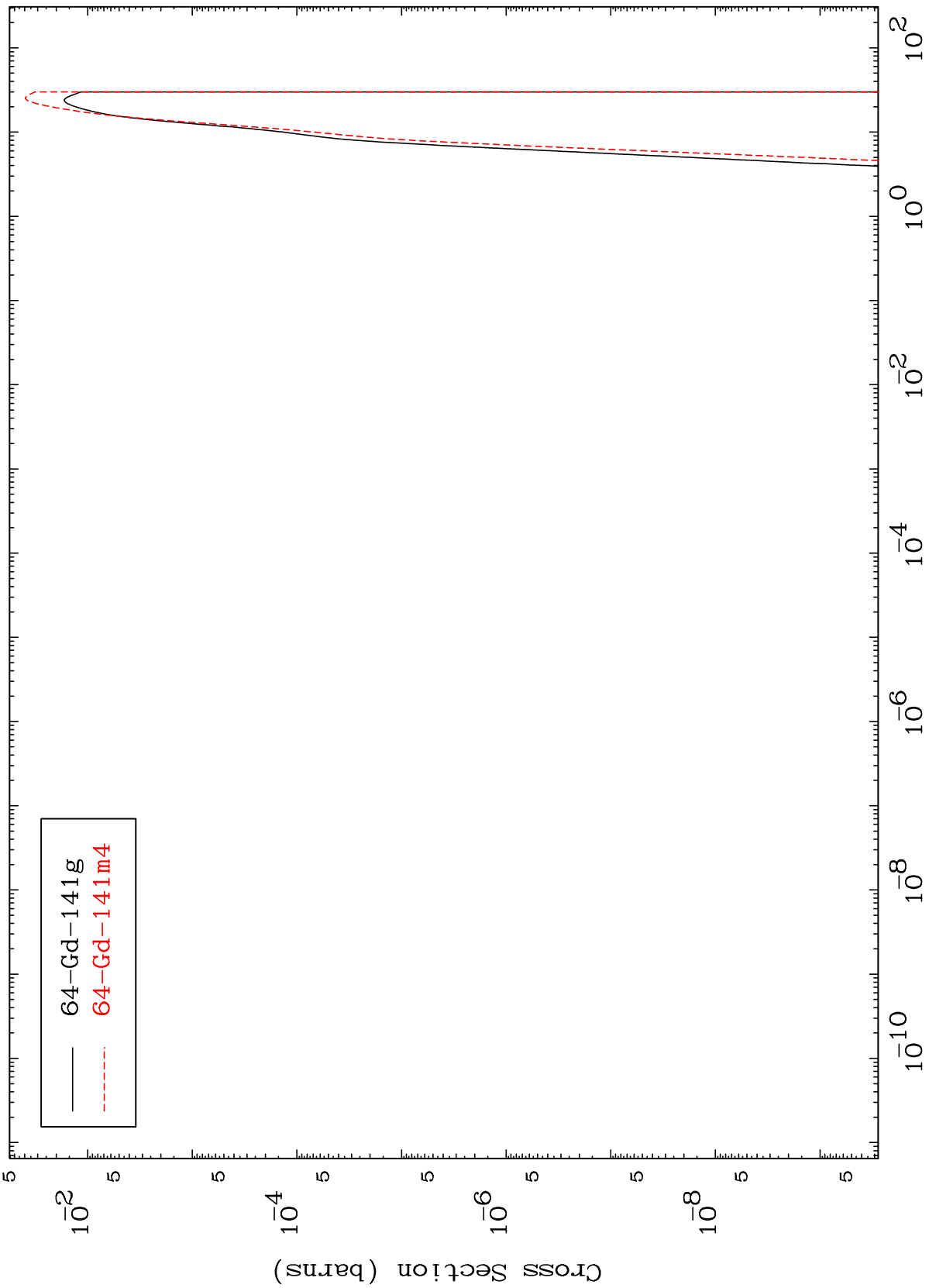
66-Dy-145

MAT 6592

(n,n') α

66-Dy-145

Radionuclide Production Cross Section



65

Incident Energy (MeV)

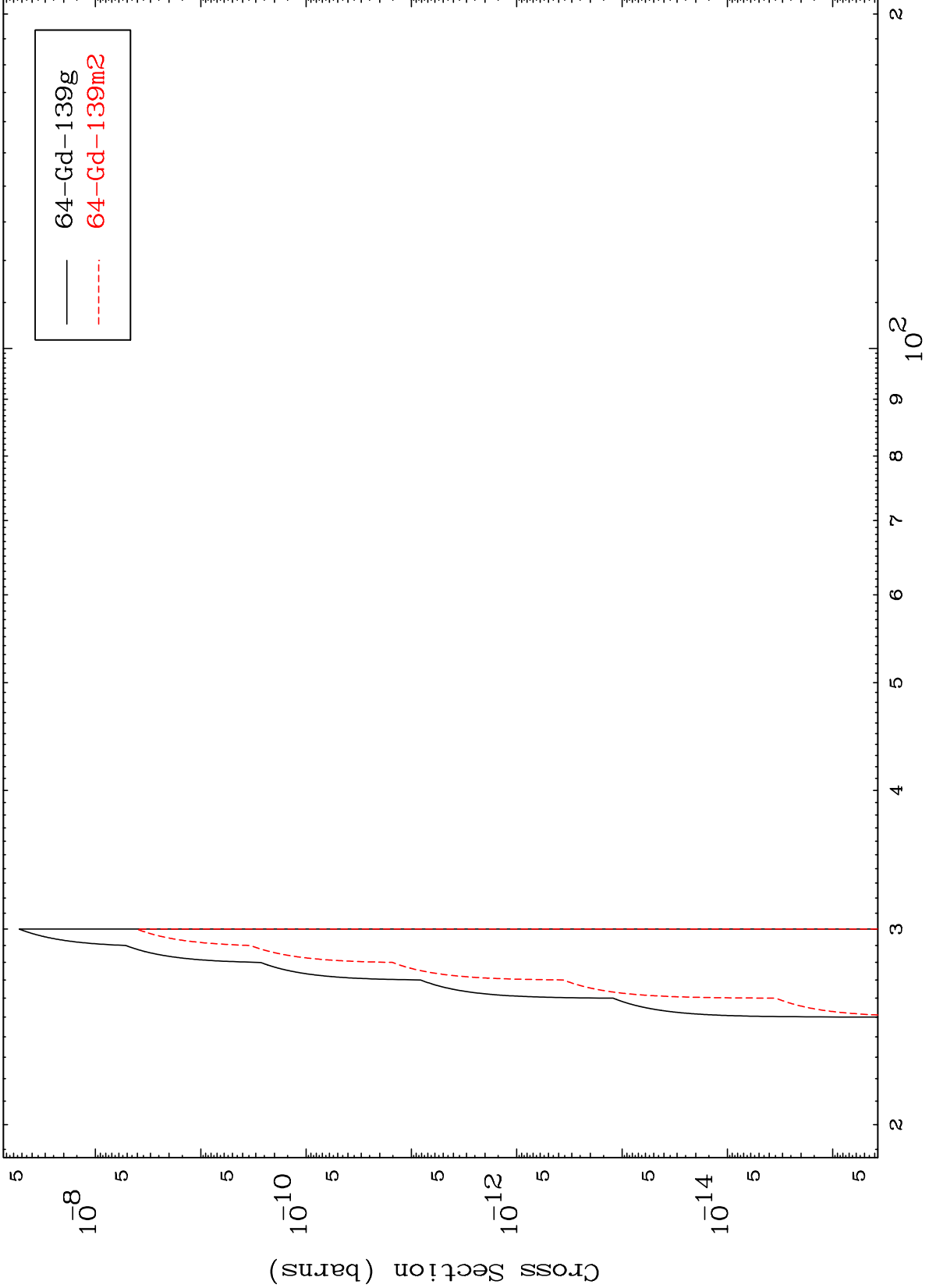
66-Dy-145

MAT 6592

(n,3n) α

66-Dy-145

Radionuclide Production Cross Section



66

Incident Energy (MeV)

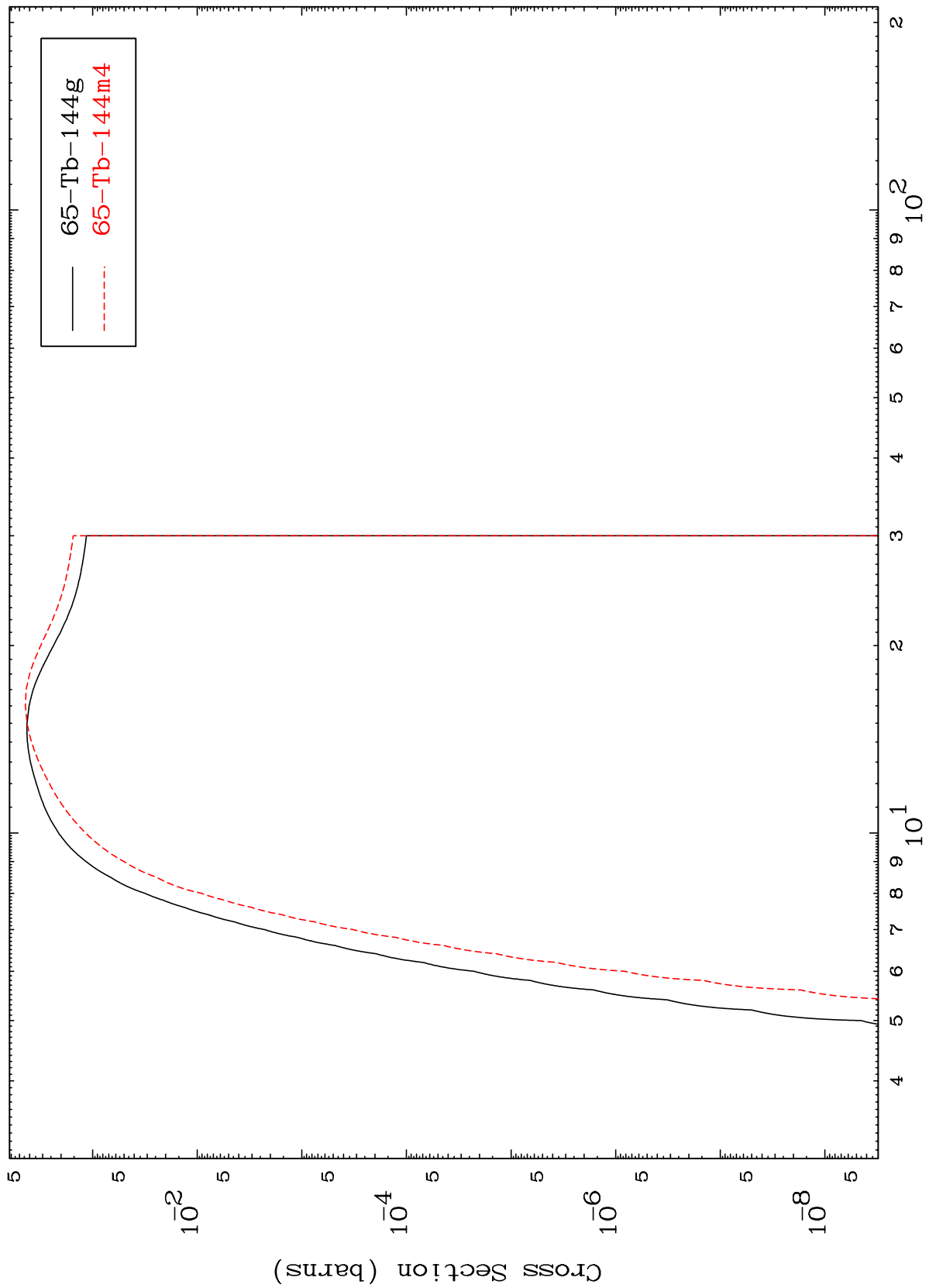
66-Dy-145

MAT 6592

(n,n') p

66-Dy-145

Radionuclide Production Cross Section



67

Incident Energy (MeV)

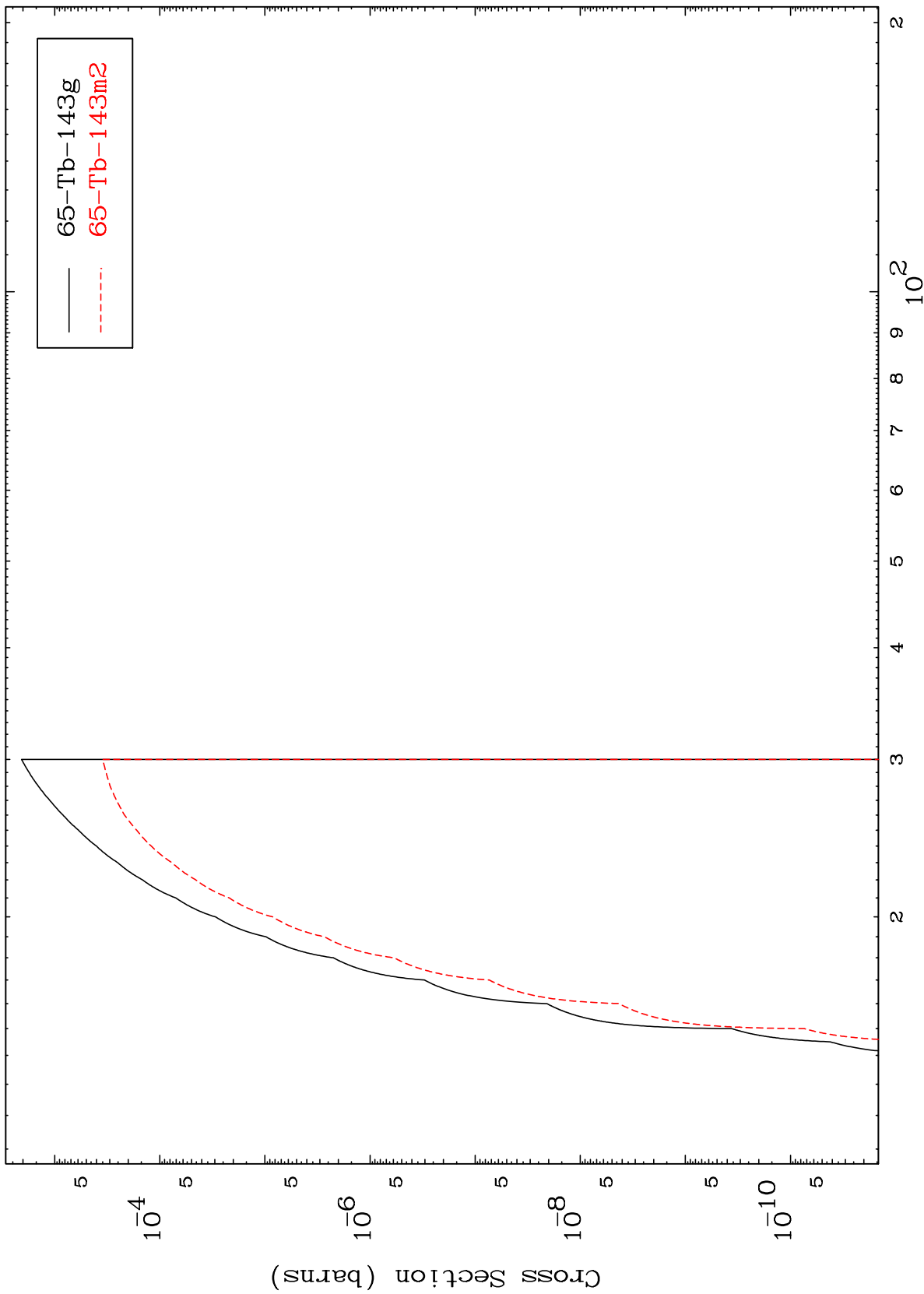
66-Dy-145

MAT 6592

(n,n') d

66-Dy-145

Radionuclide Production Cross Section



68

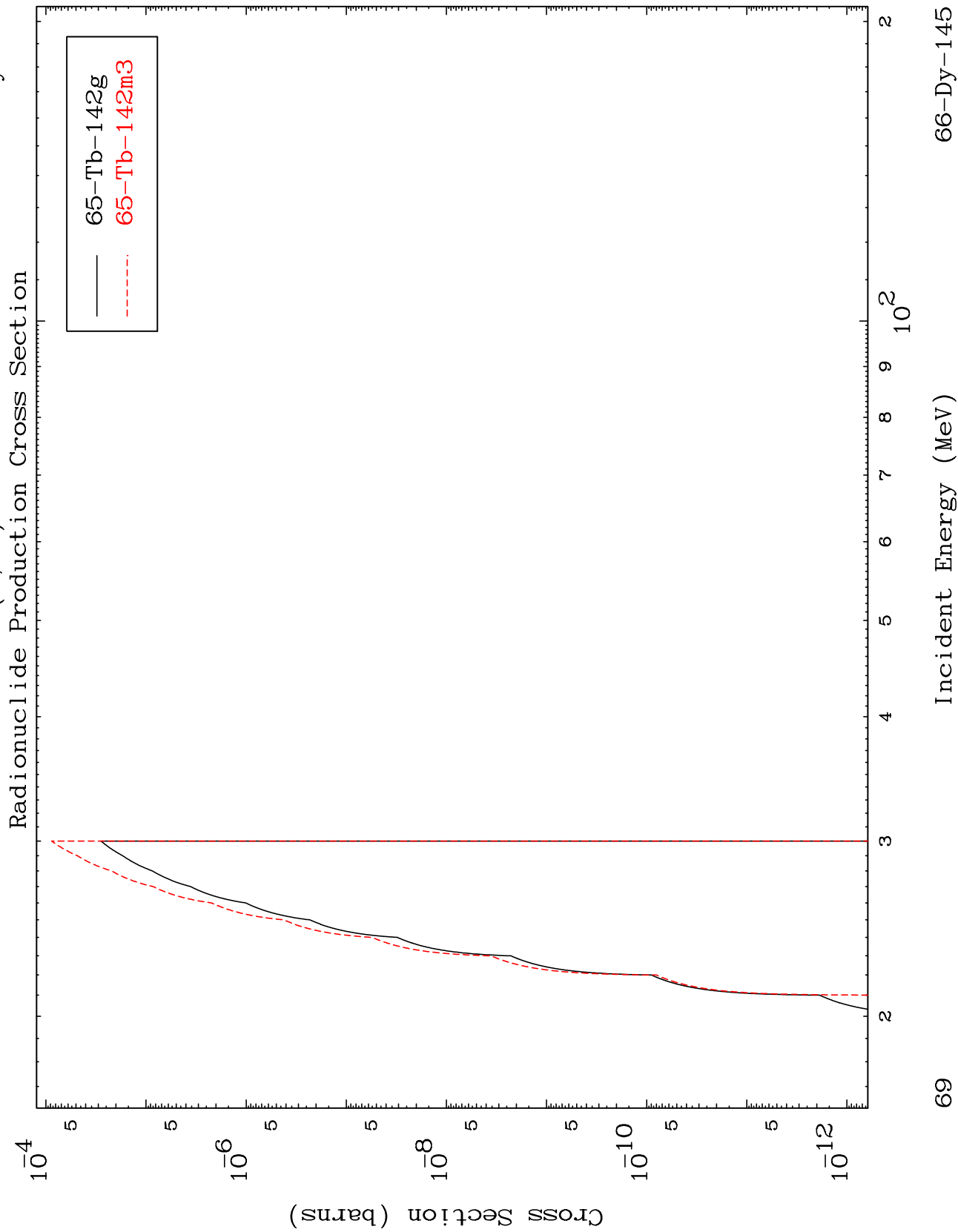
Incident Energy (MeV)

66-Dy-145

MAT 6592

(n,n') t

66-Dy-145



69

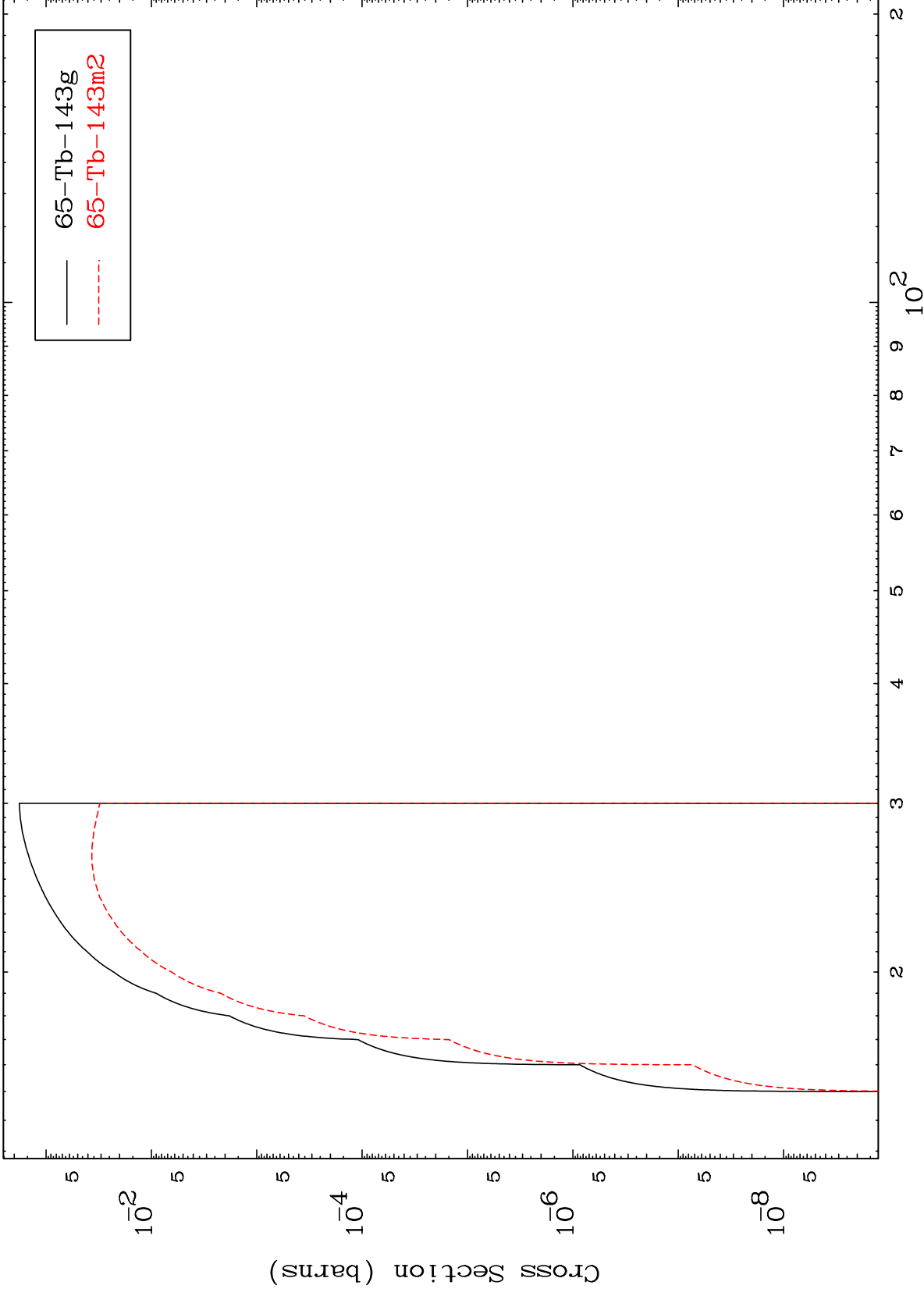
66-Dy-145

MAT 6592

(n,2n) p

66-Dy-145

Radionuclide Production Cross Section



65-Tb-143g
65-Tb-143m2

70

Incident Energy (MeV)

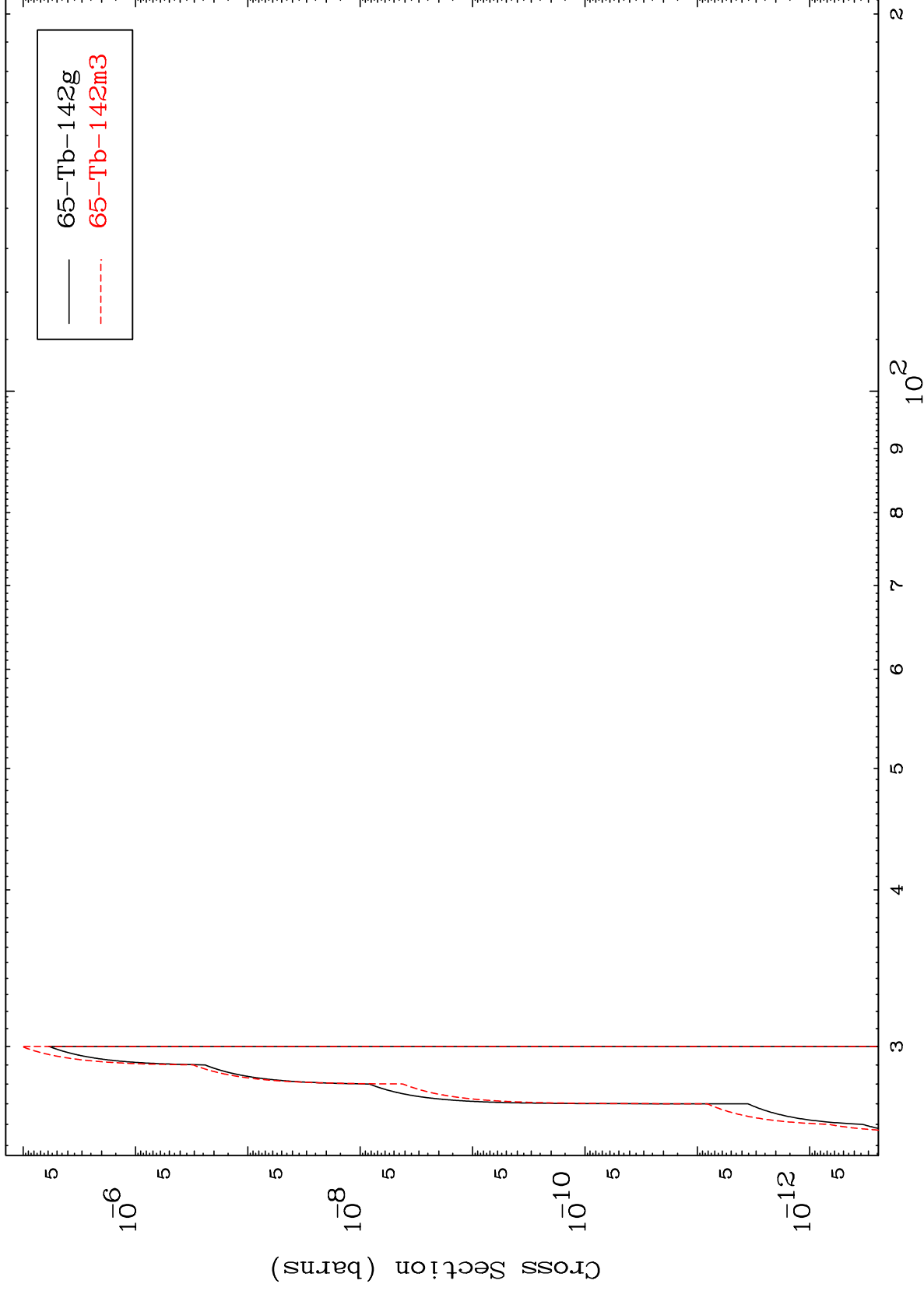
66-Dy-145

MAT 6592

(n,3n) p

66-Dy-145

Radionuclide Production Cross Section



71

Incident Energy (MeV)

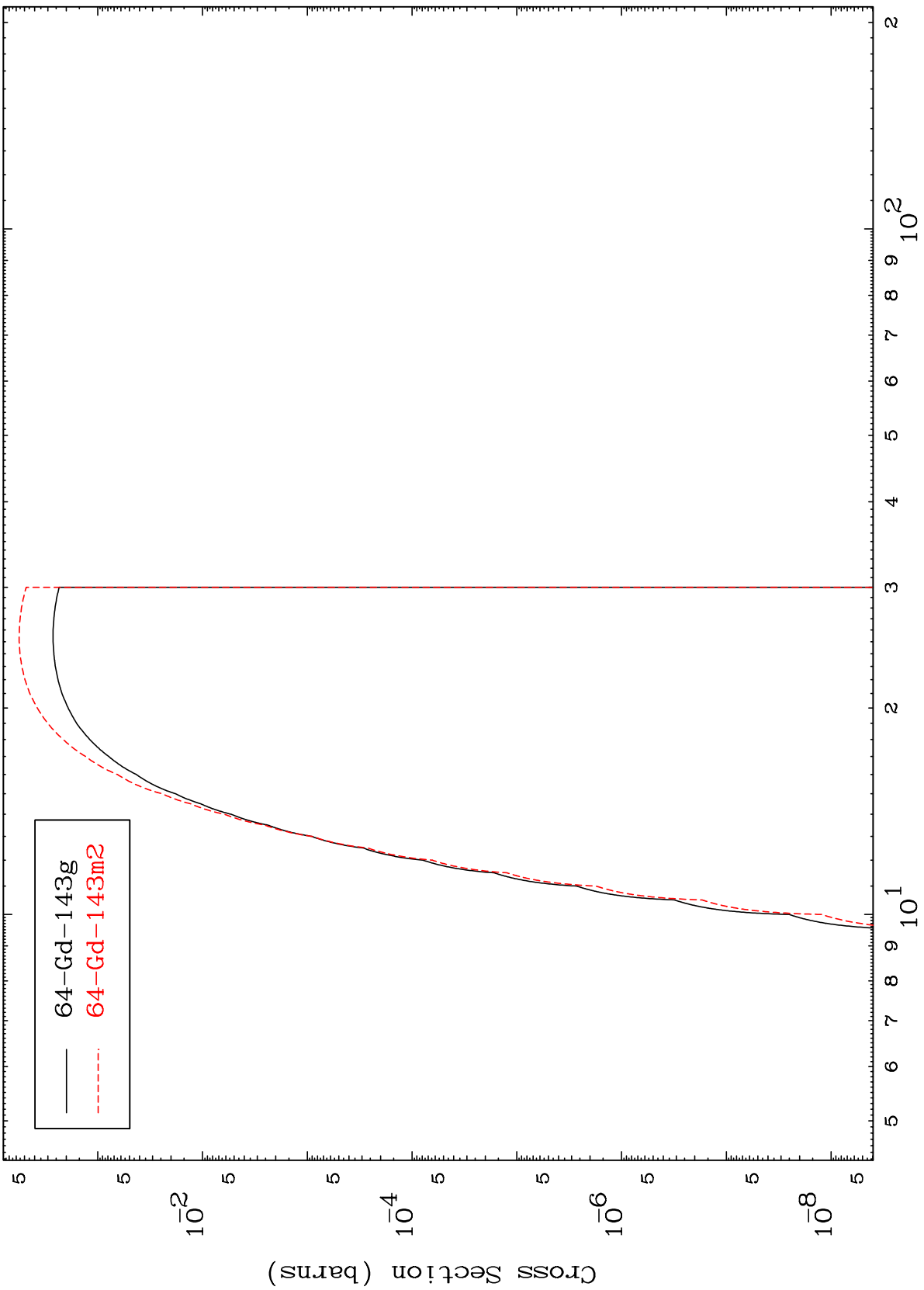
66-Dy-145

MAT 6592

(n,2n) p

66-Dy-145

Radionuclide Production Cross Section



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

72

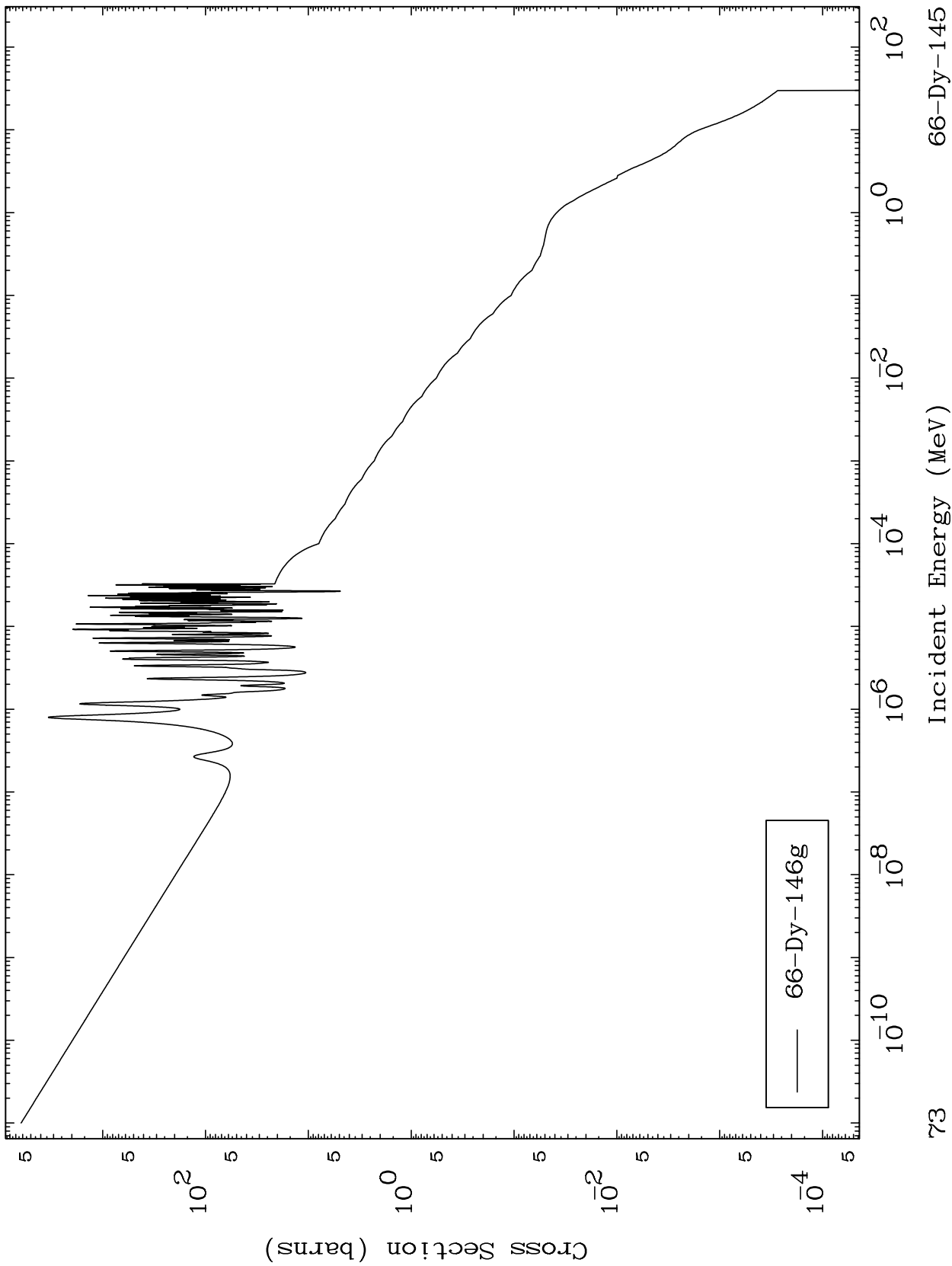
Incident Energy (MeV)

66-Dy-145

MAT 6592

66-Dy-145

(n, γ)
Radionuclide Production Cross Section

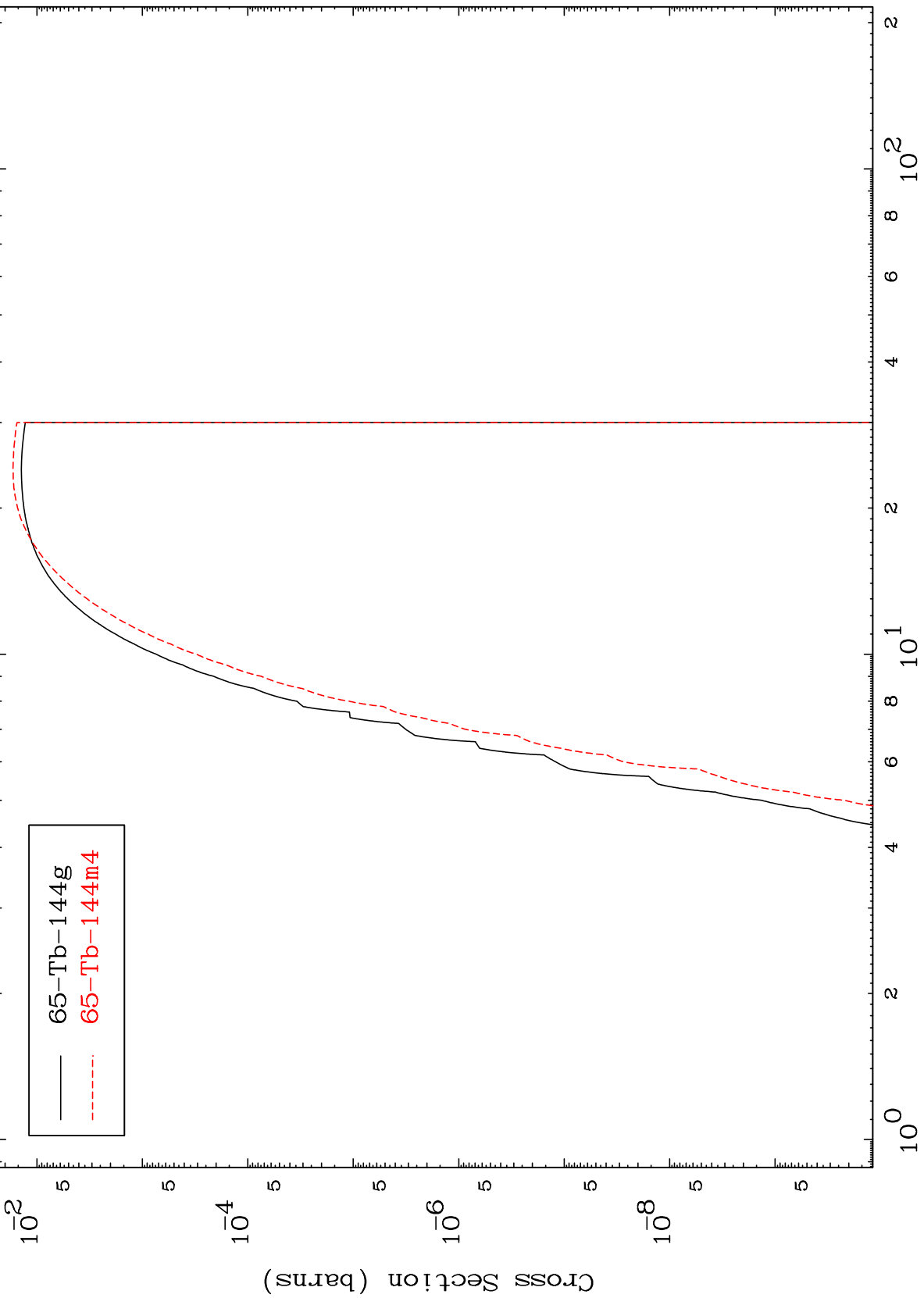


MAT 6592

(n,d)

66-Dy-145

Radionuclide Production Cross Section



Incident Energy (MeV)

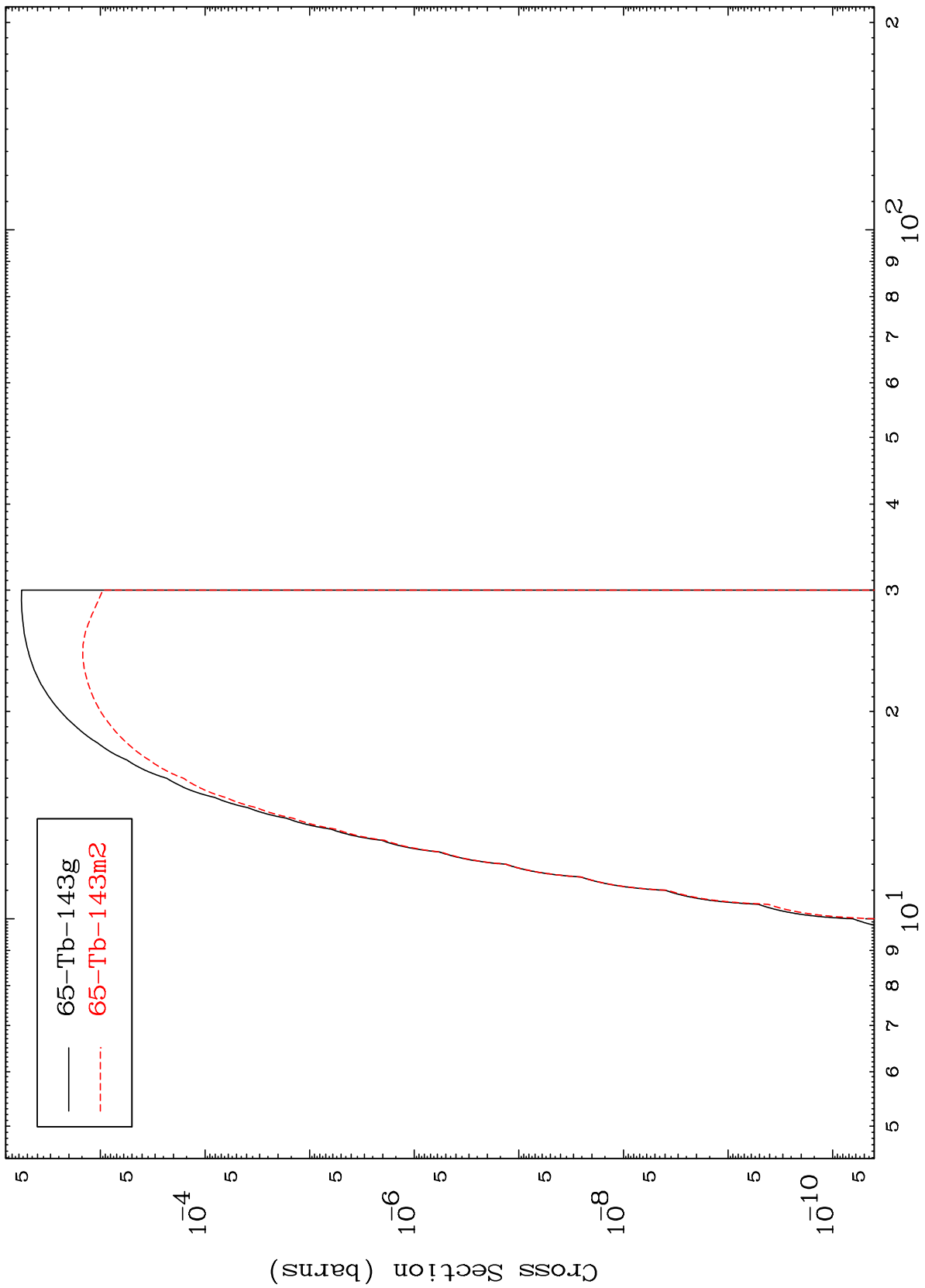
66-Dy-145

74

MAT 6592

66-Dy-145

(n, t)
Radionuclide Production Cross Section



75

Incident Energy (MeV)

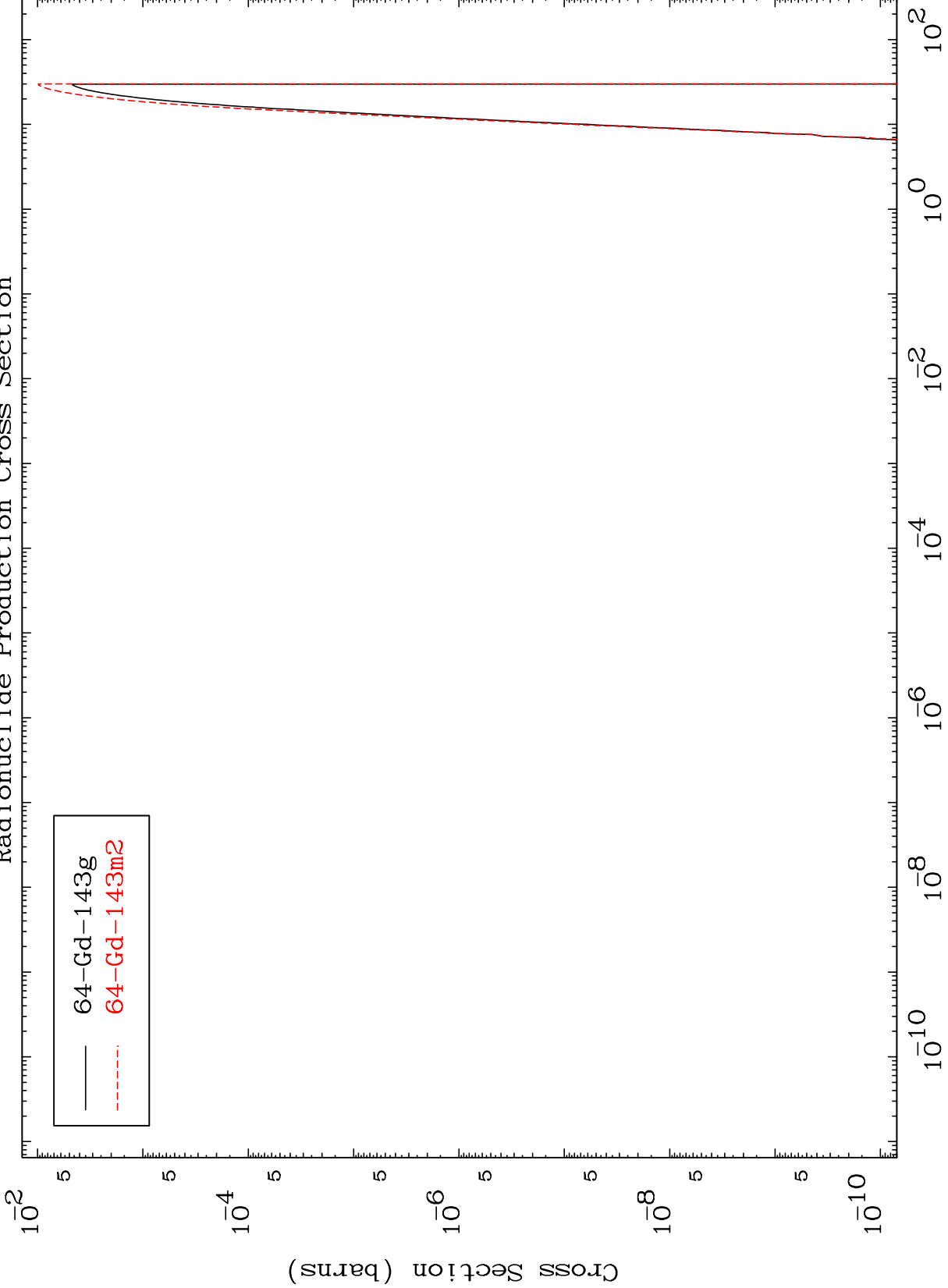
66-Dy-145

MAT 6592

(n,He-3)

66-Dy-145

Radionuclide Production Cross Section



76

Incident Energy (MeV)

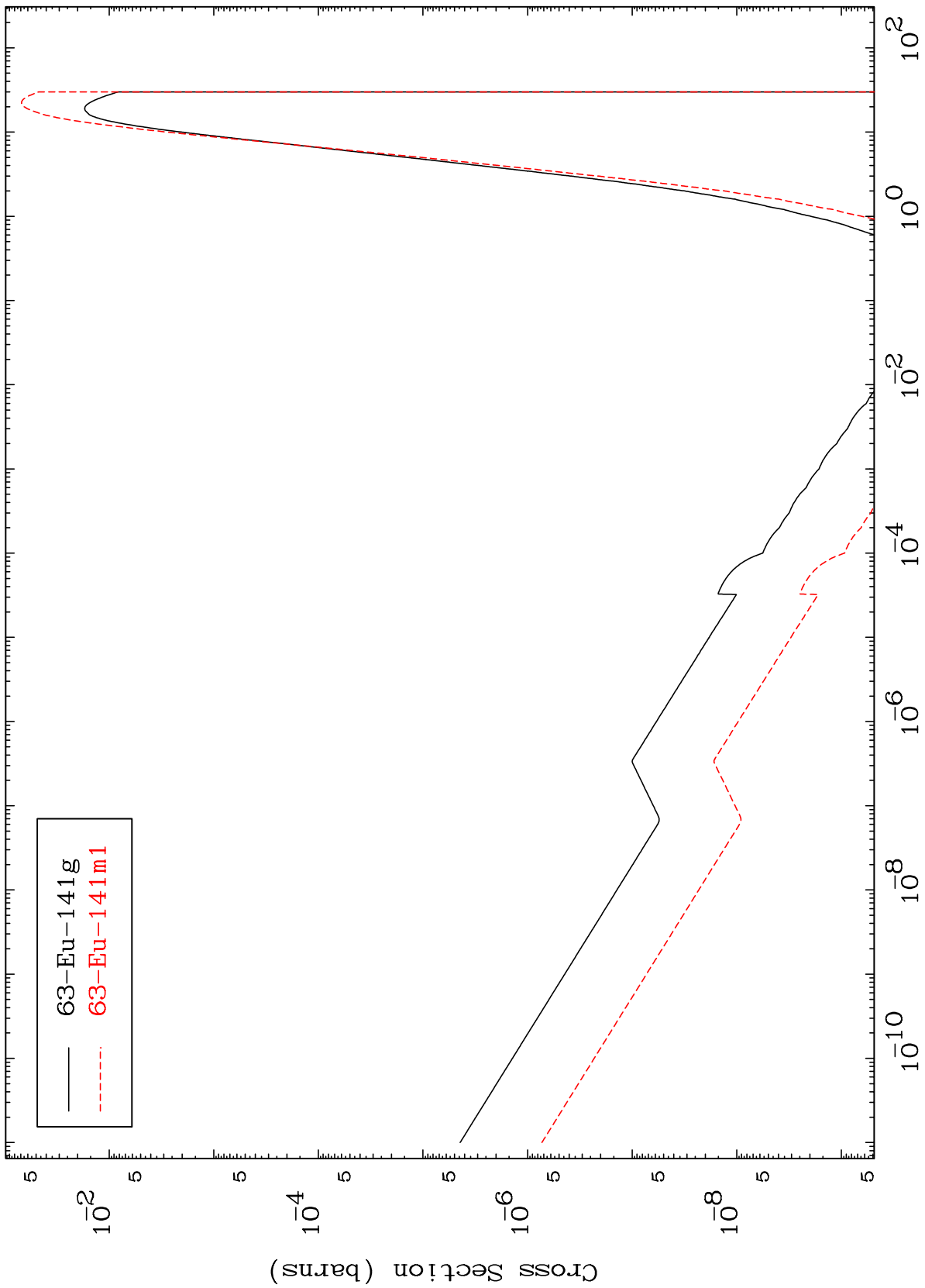
66-Dy-145

MAT 6592

(n,p) α

66-Dy-145

Radionuclide Production Cross Section

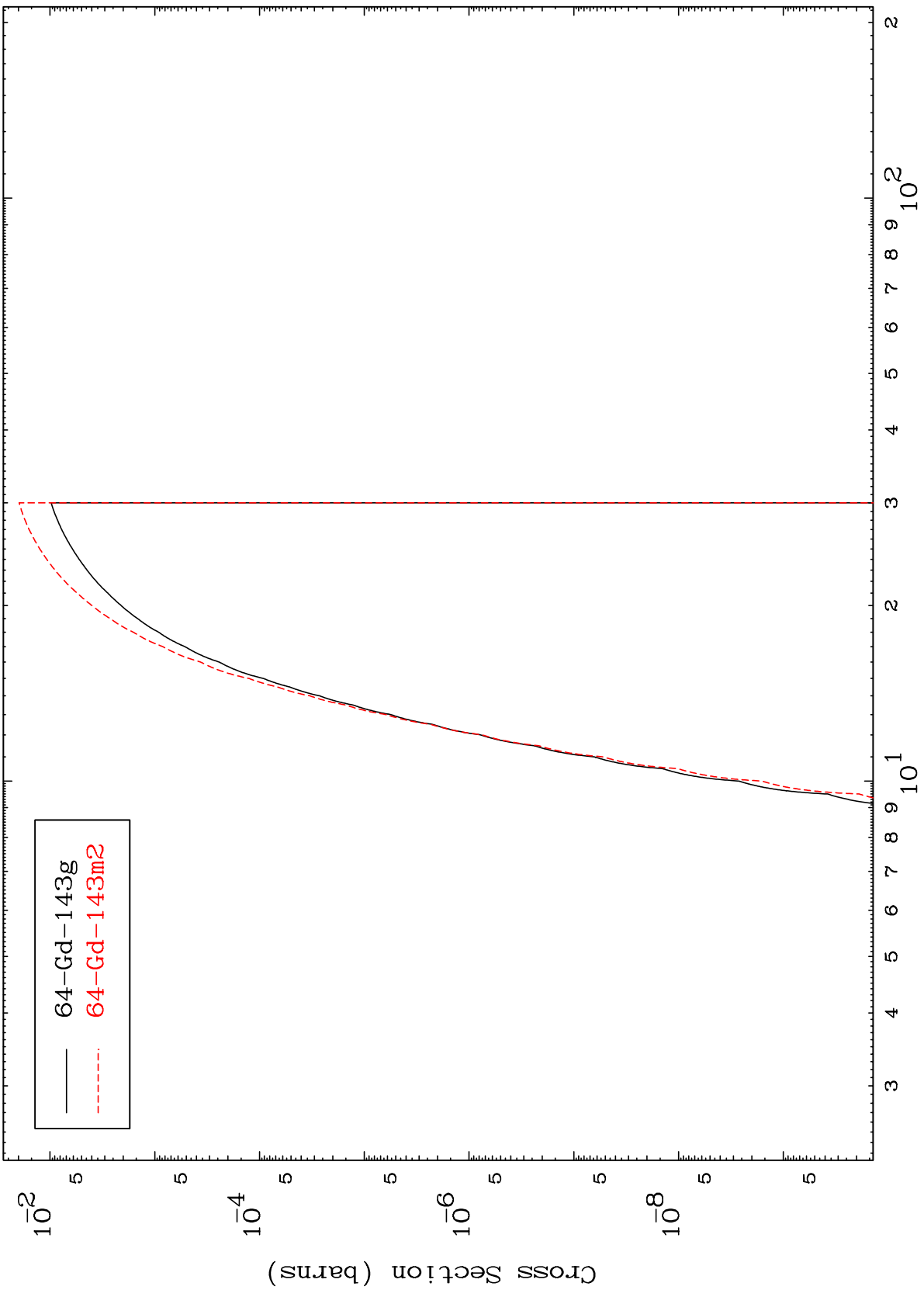


MAT 6592

(n,p) d

66-Dy-145

Radionuclide Production Cross Section



78

Incident Energy (MeV)

66-Dy-145