

Program EVALPLOT
(Version 2021-1)

by

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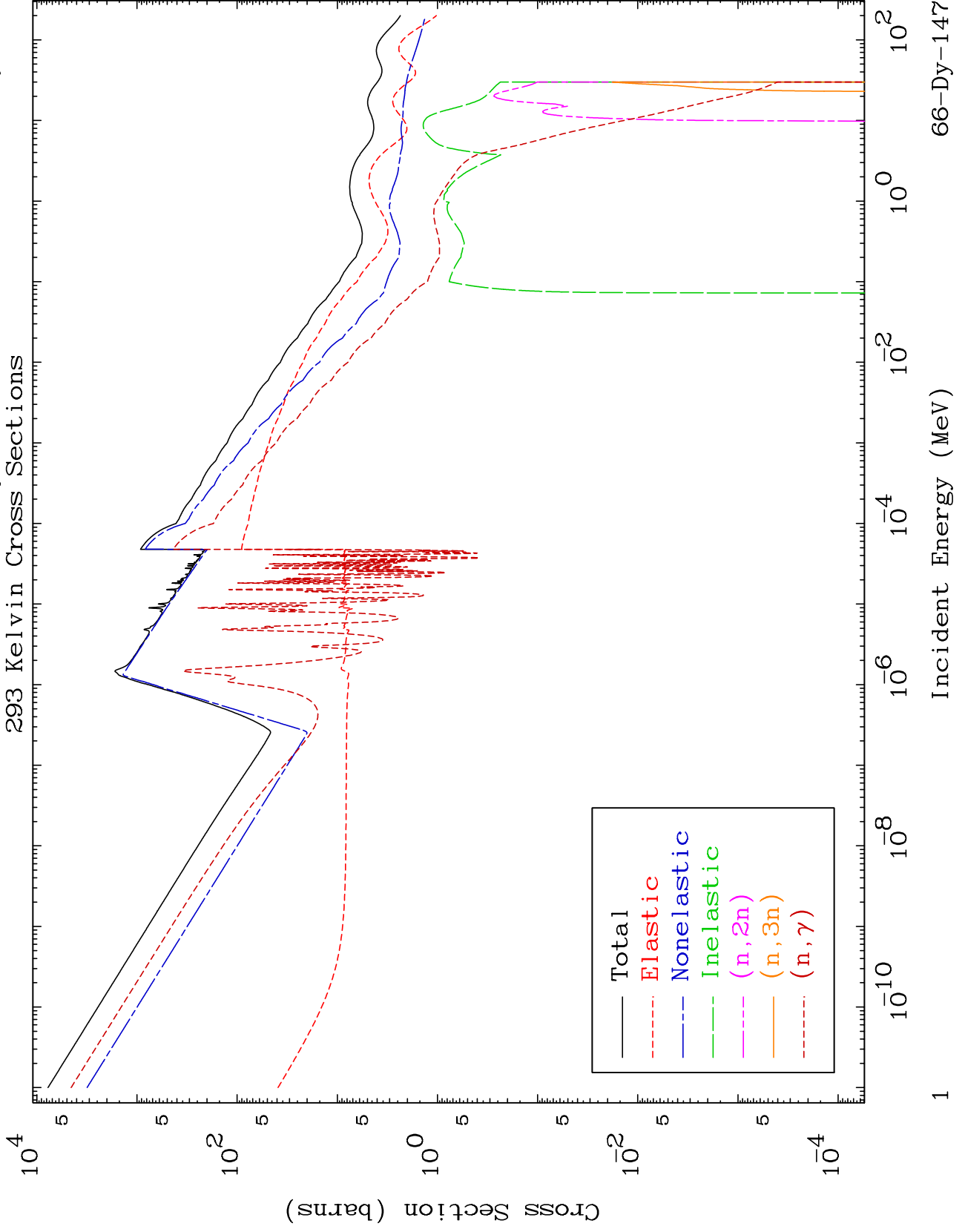
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Press Mouse Button to Start

MAT 6598

Neutron Major
293 Kelvin Cross Sections

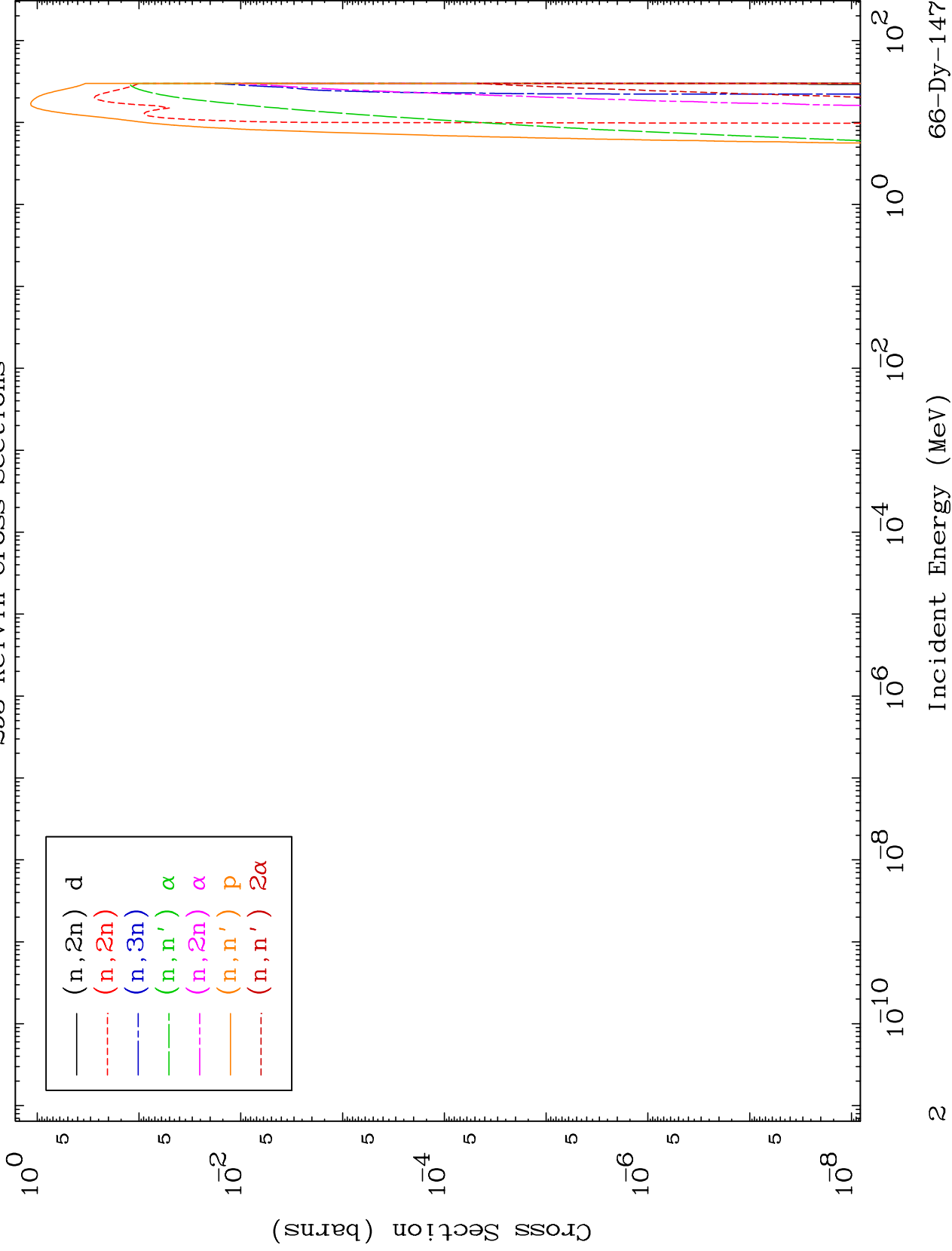
66-Dy-147



MAT 6598

Neutron Absorption
293 Kelvin Cross Sections

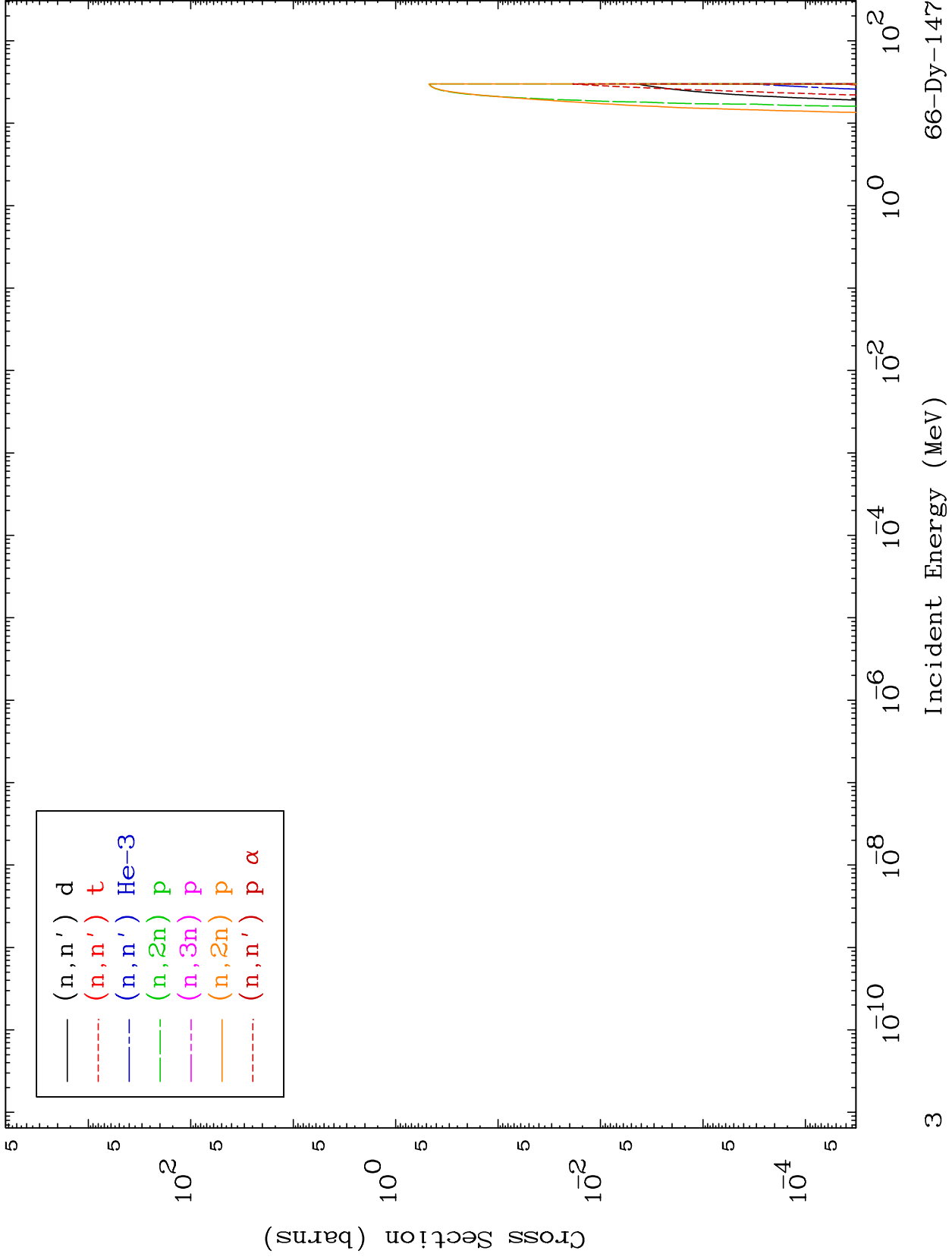
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MAT 6598

Neutron Absorption
293 Kelvin Cross Sections

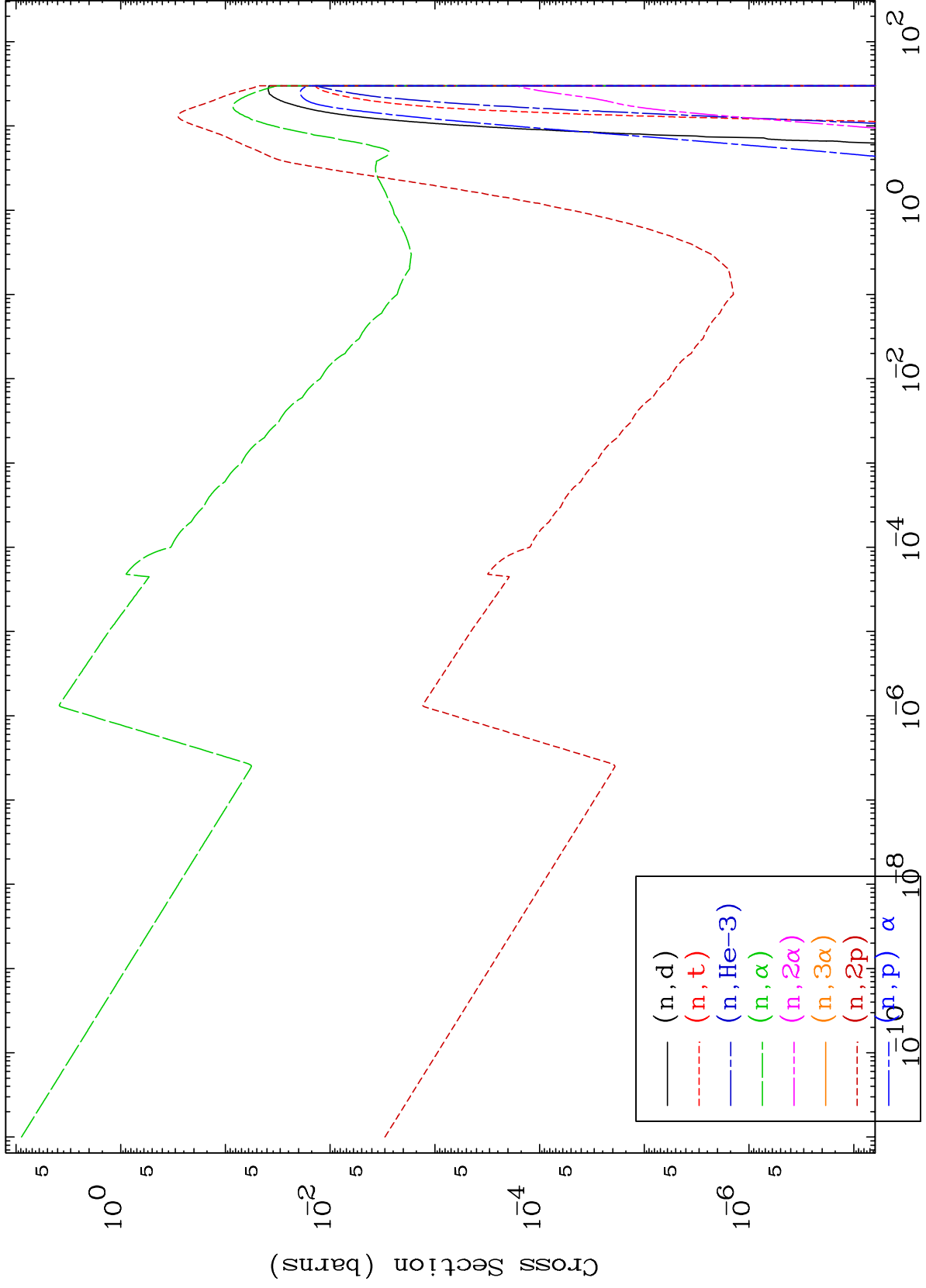
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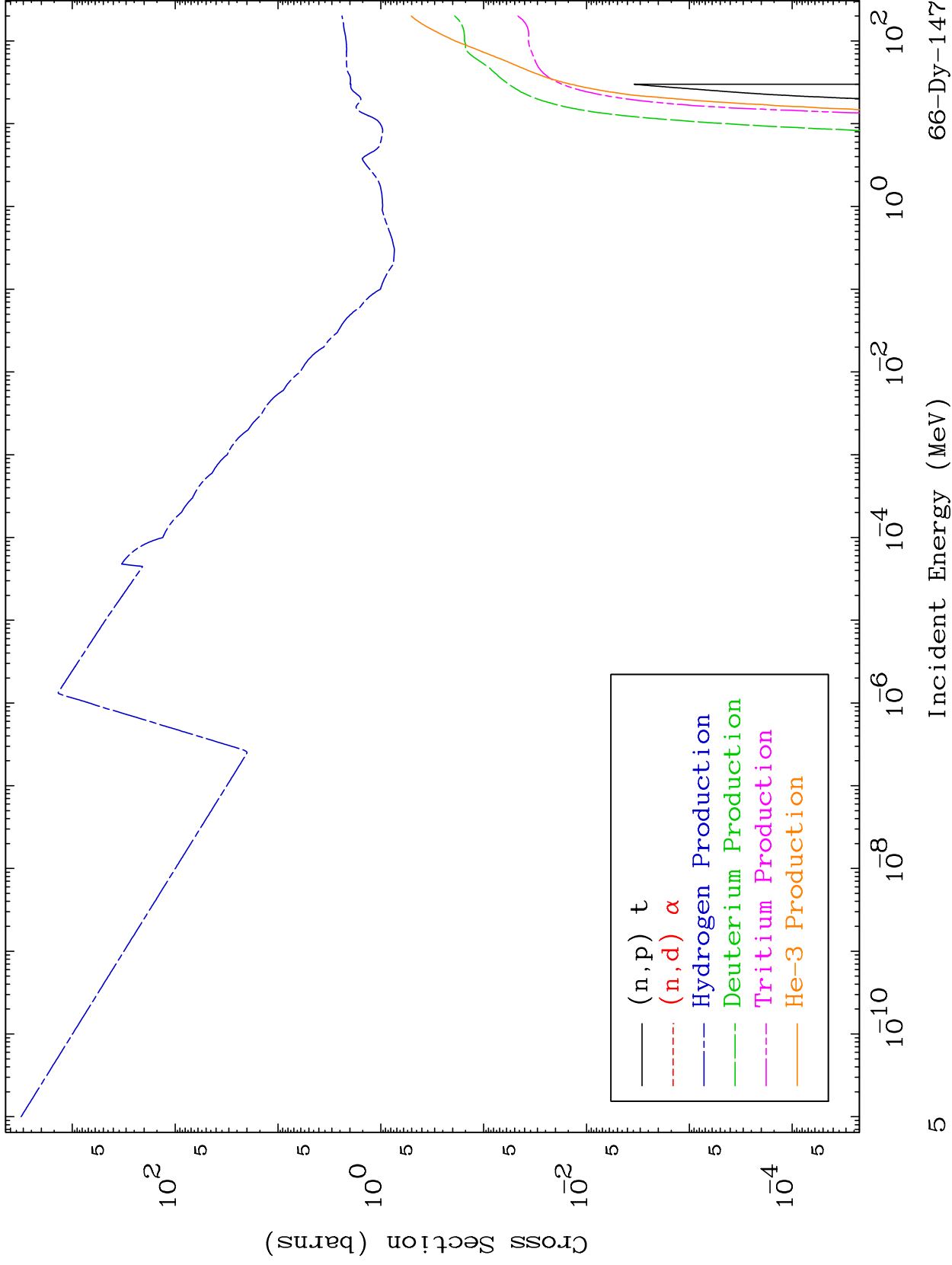


MAT 6598

Neutron Absorption
293 Kelvin Cross Sections

66-Dy-147

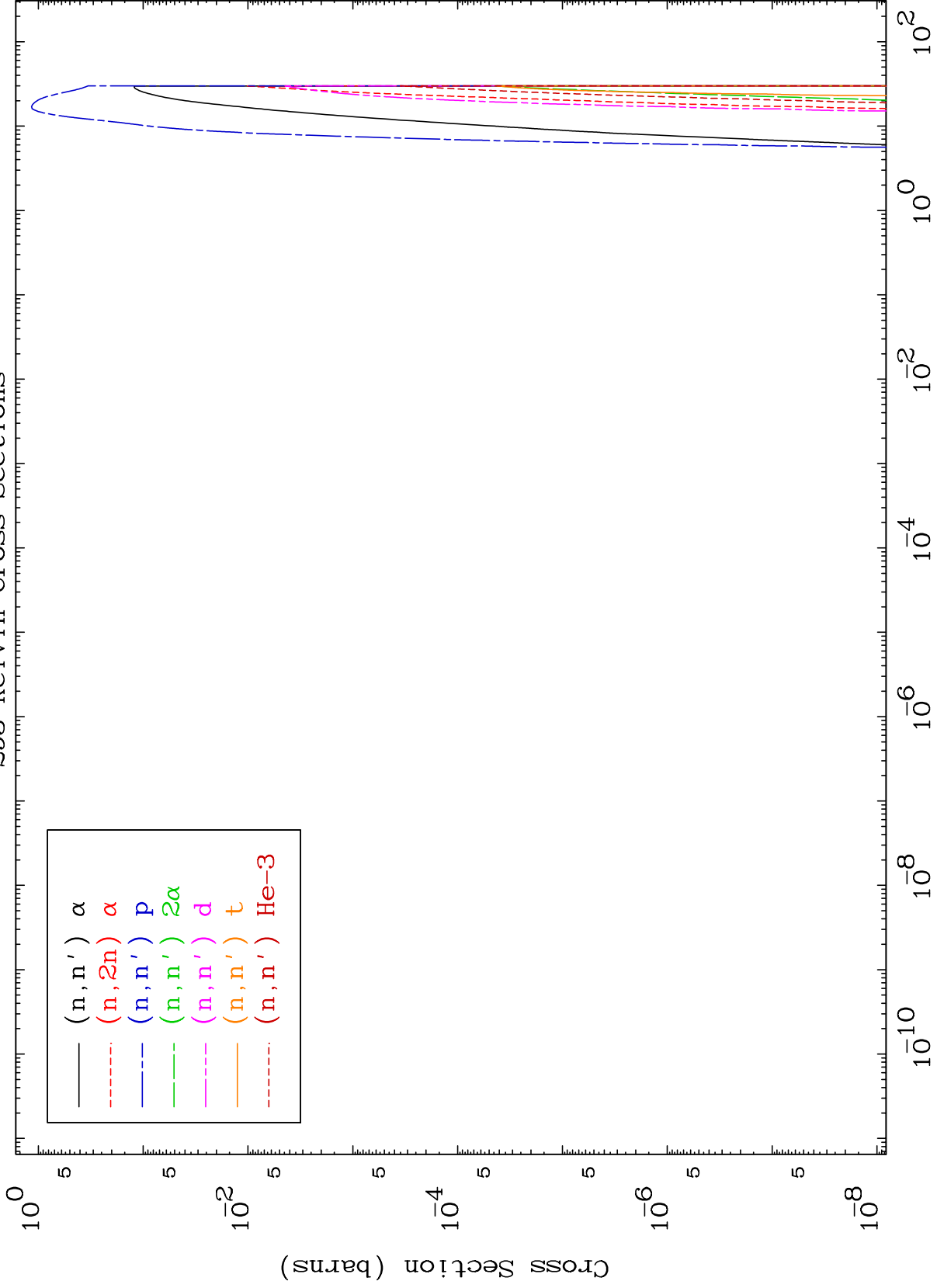




MAT 6598

Charged Particle
293 Kelvin Cross Sections

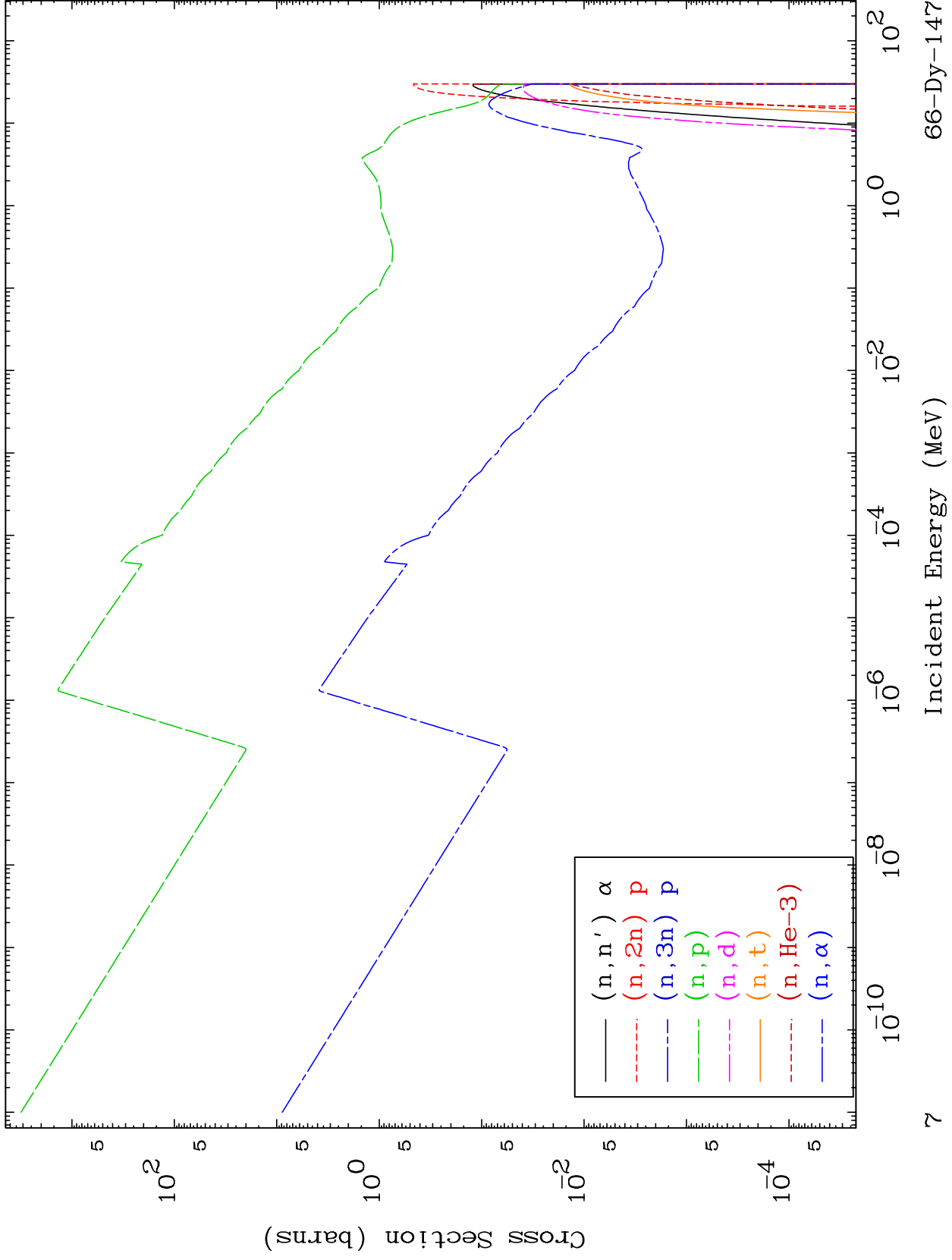
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MAT 6598

Charged Particle
293 Kelvin Cross Sections

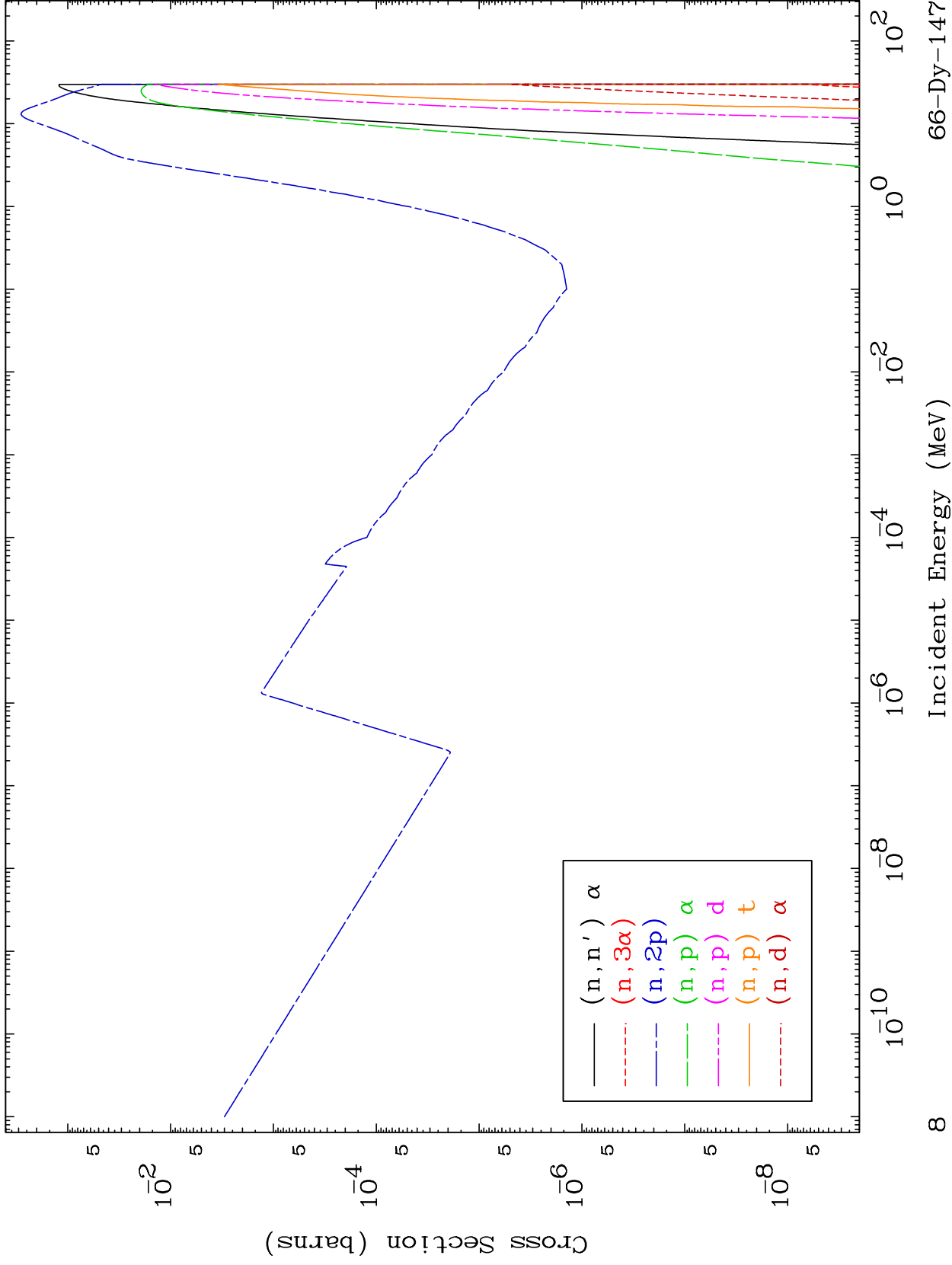
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MAT 6598

Charged Particle
293 Kelvin Cross Sections

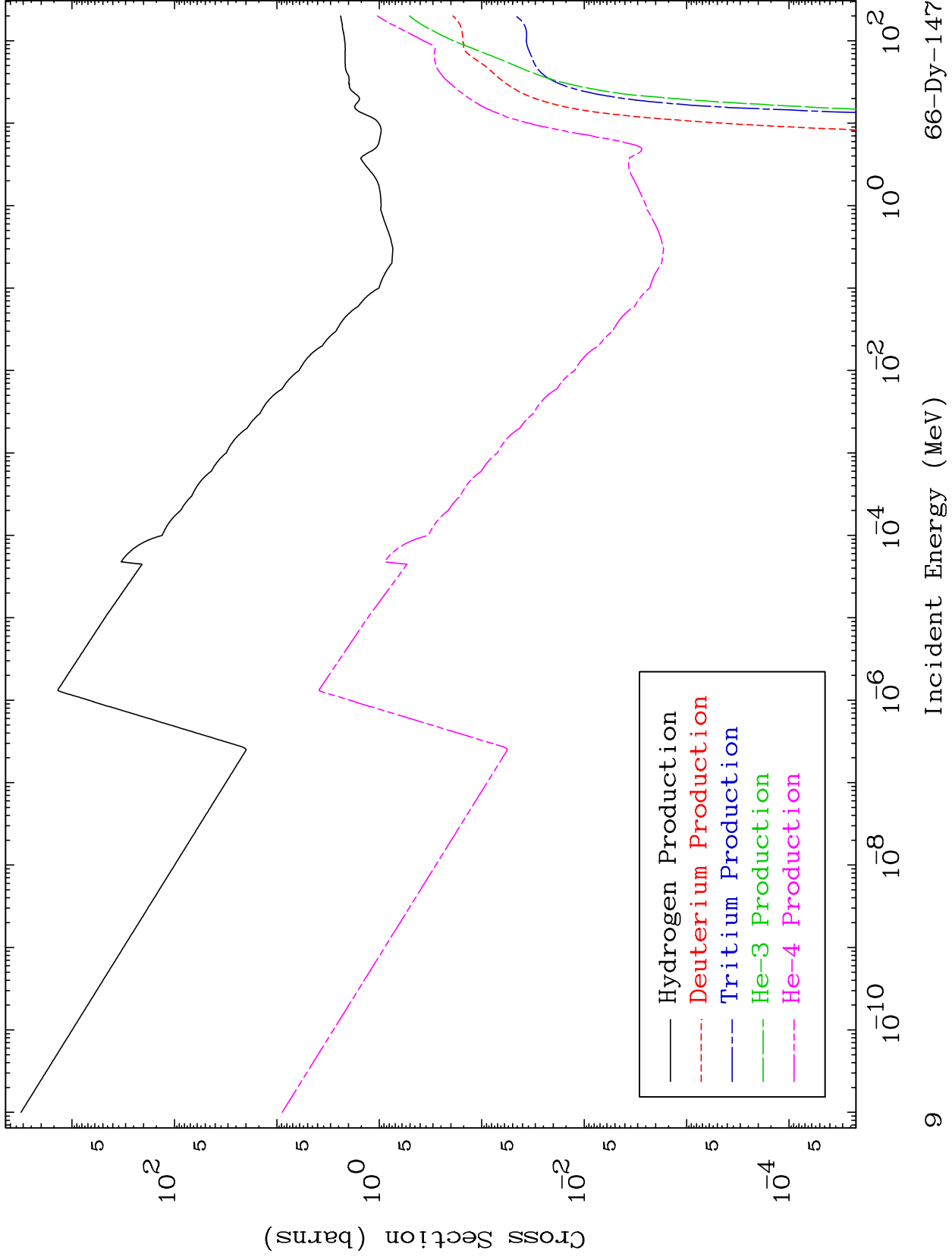
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MAT 6598

Particle Production
293 Kelvin Cross Sections

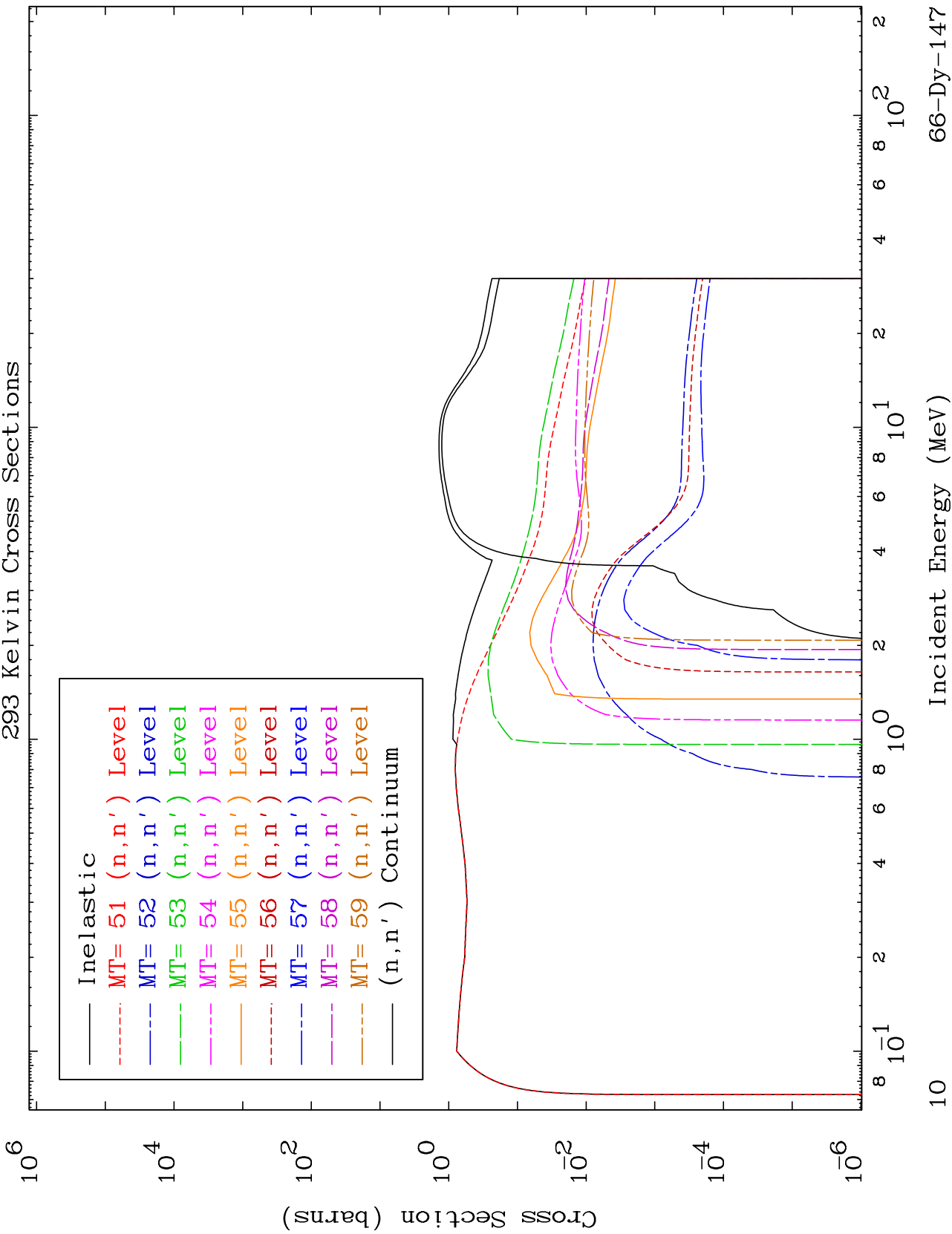
66-Dy-147



MAT 6598

(n,n') Levels
293 Kelvin Cross Sections

66-Dy-147



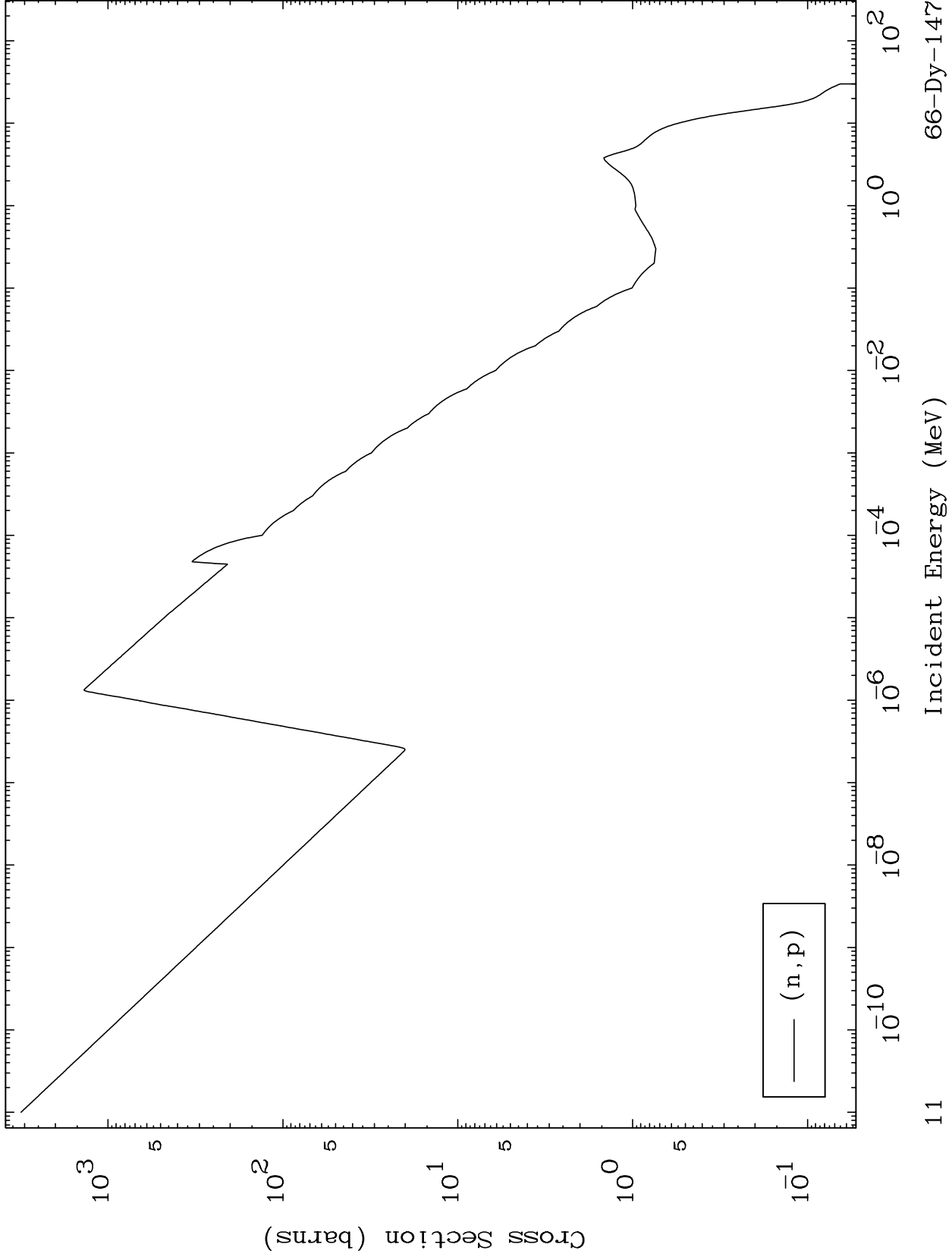
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Incident Energy (MeV)

MAT 6598

(n,p) Levels
293 Kelvin Cross Sections

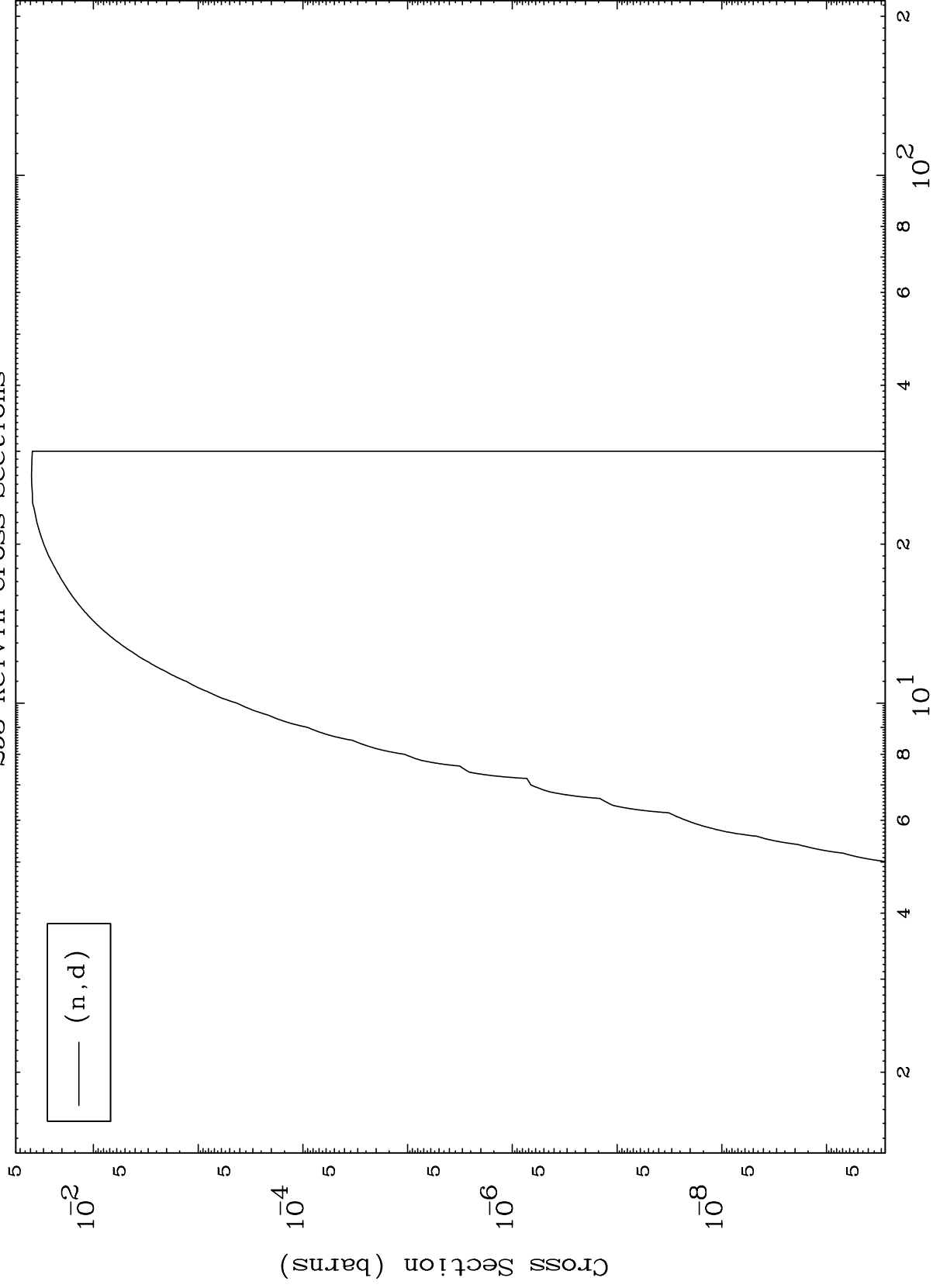
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MAT 6598

(n,d) Levels
293 Kelvin Cross Sections

66-Dy-147



12

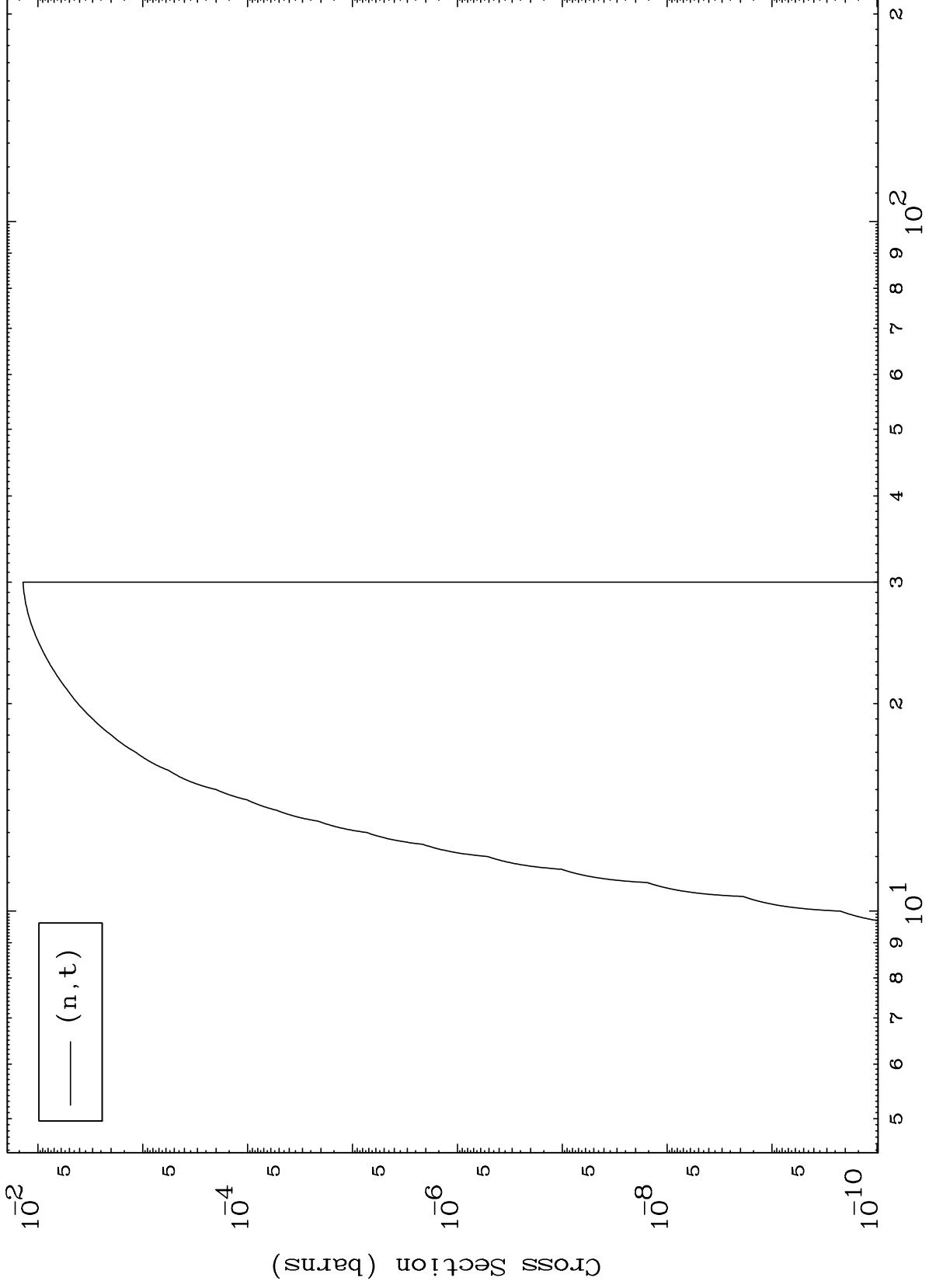
Incident Energy (MeV)

66-Dy-147

MAT 6598

(n,t) Levels
293 Kelvin Cross Sections

66-Dy-147



13

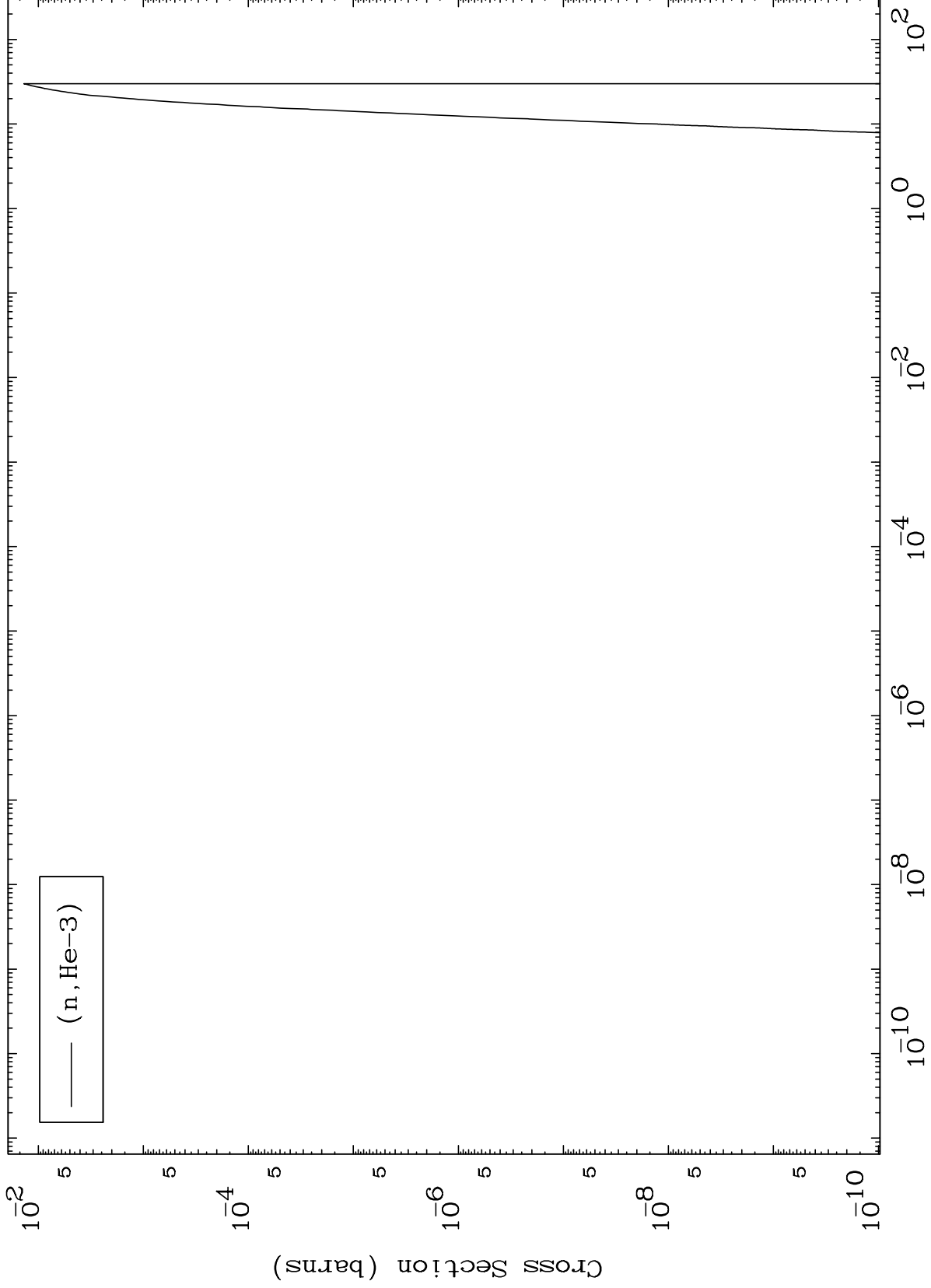
Incident Energy (MeV)

66-Dy-147

MAT 6598

(n,He3) Levels
293 Kelvin Cross Sections

66-Dy-147

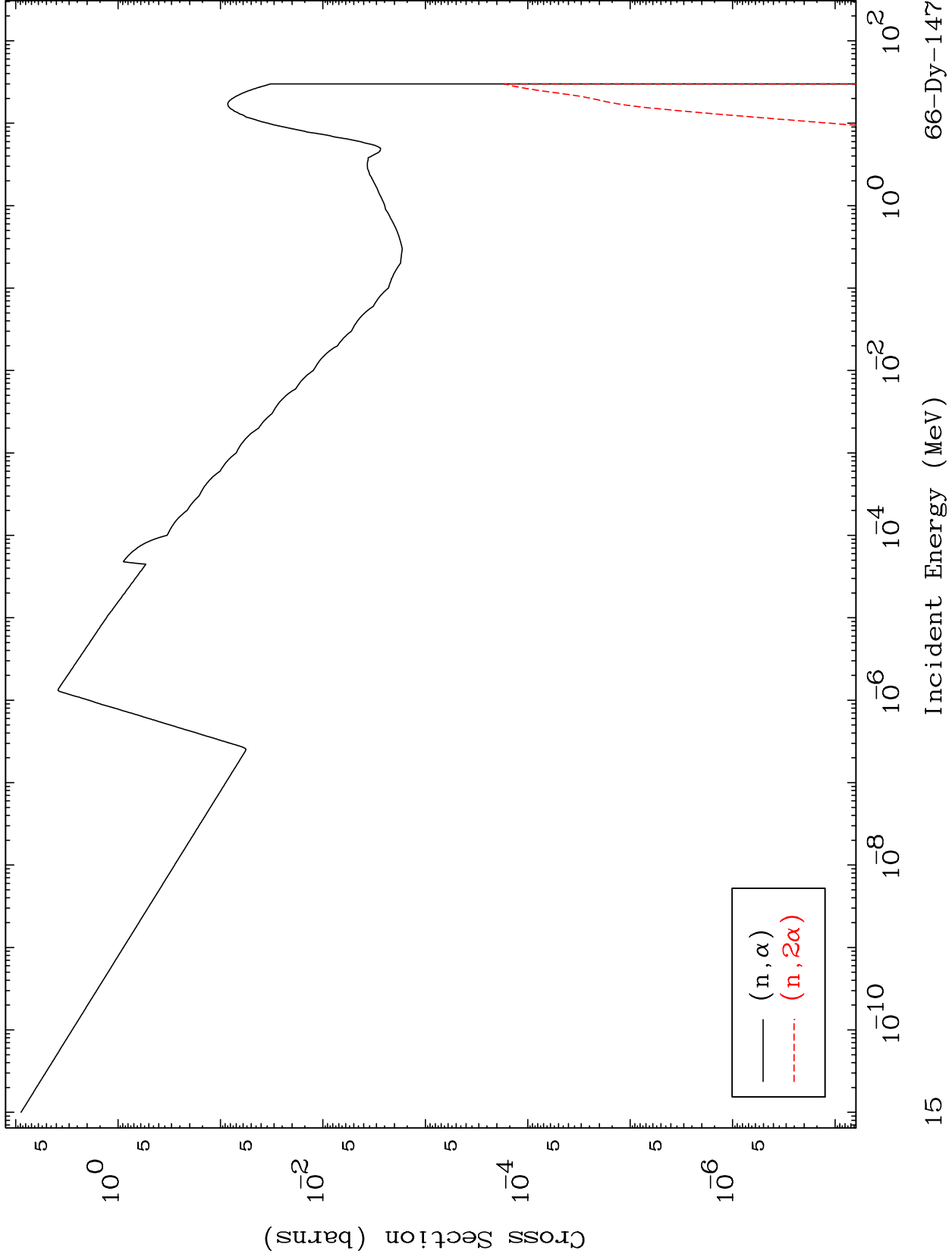


(n, He-3)

MAT 6598

(n,α) Levels
293 Kelvin Cross Sections

66-Dy-147



15

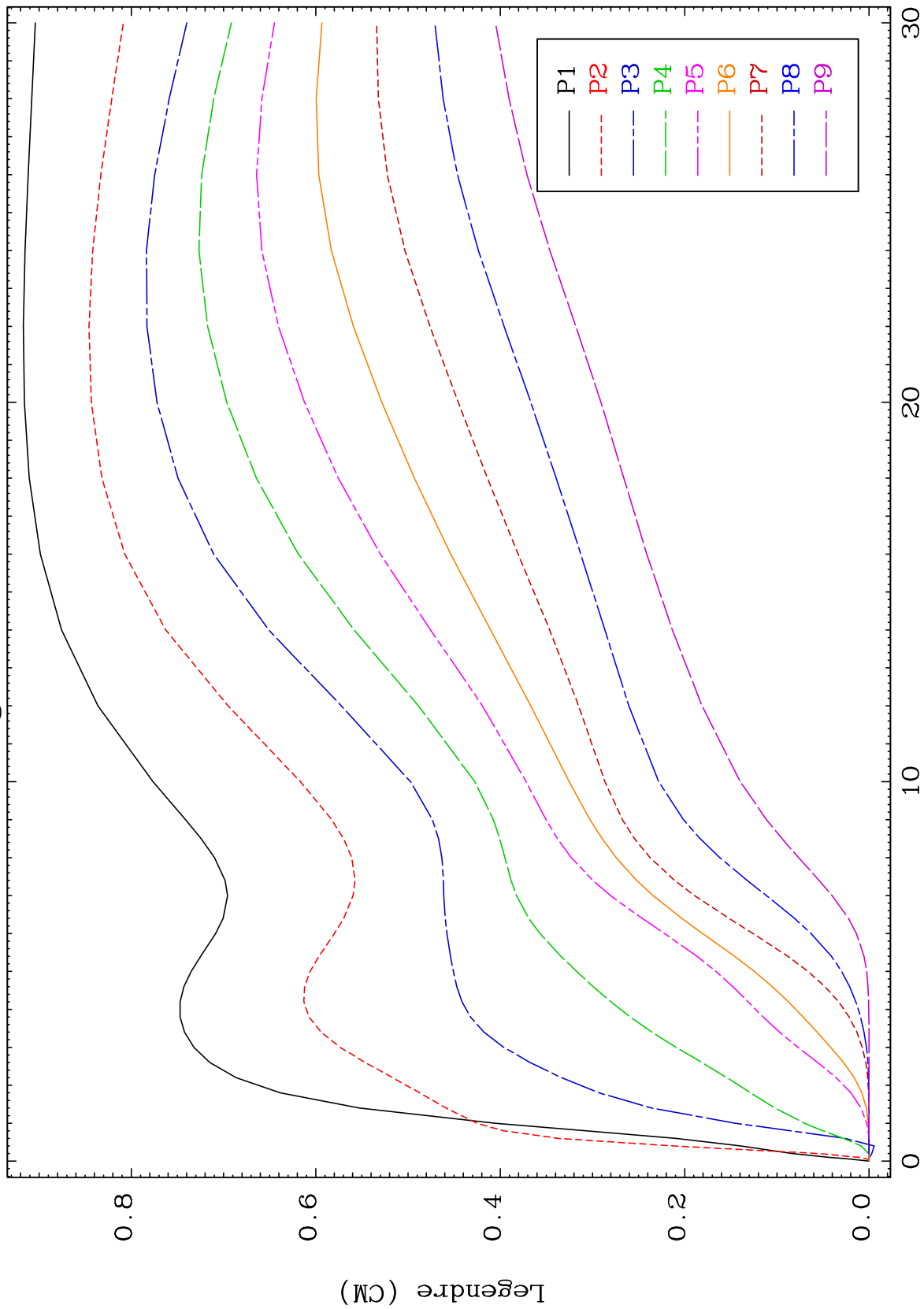
Incident Energy (MeV)

66-Dy-147

MAT 6598

Elastic Legendre Coefficients

66-Dy-147



16

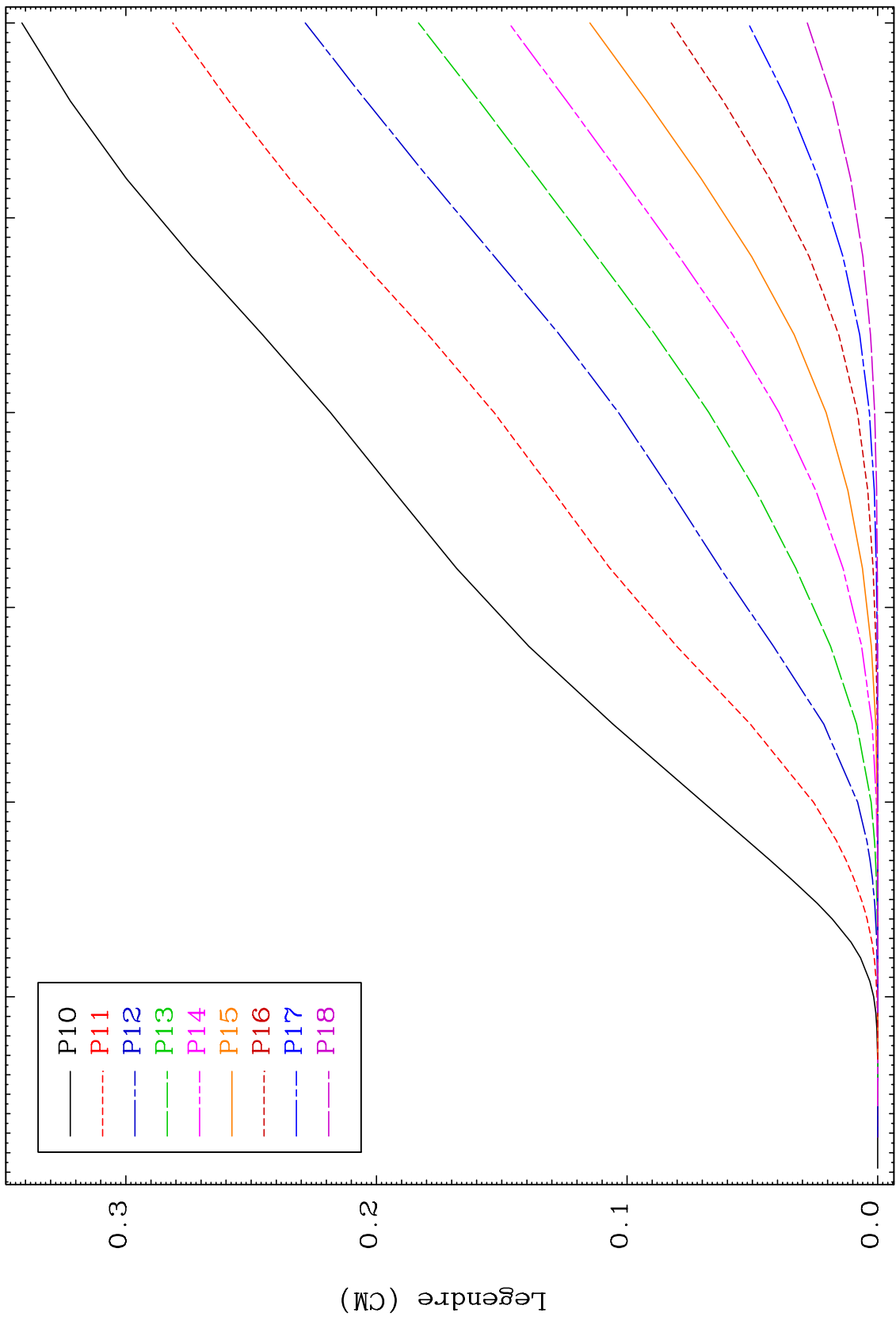
Incident Energy (MeV)

66-Dy-147

MAT 6598

Elastic Legendre Coefficients

66-Dy-147



17

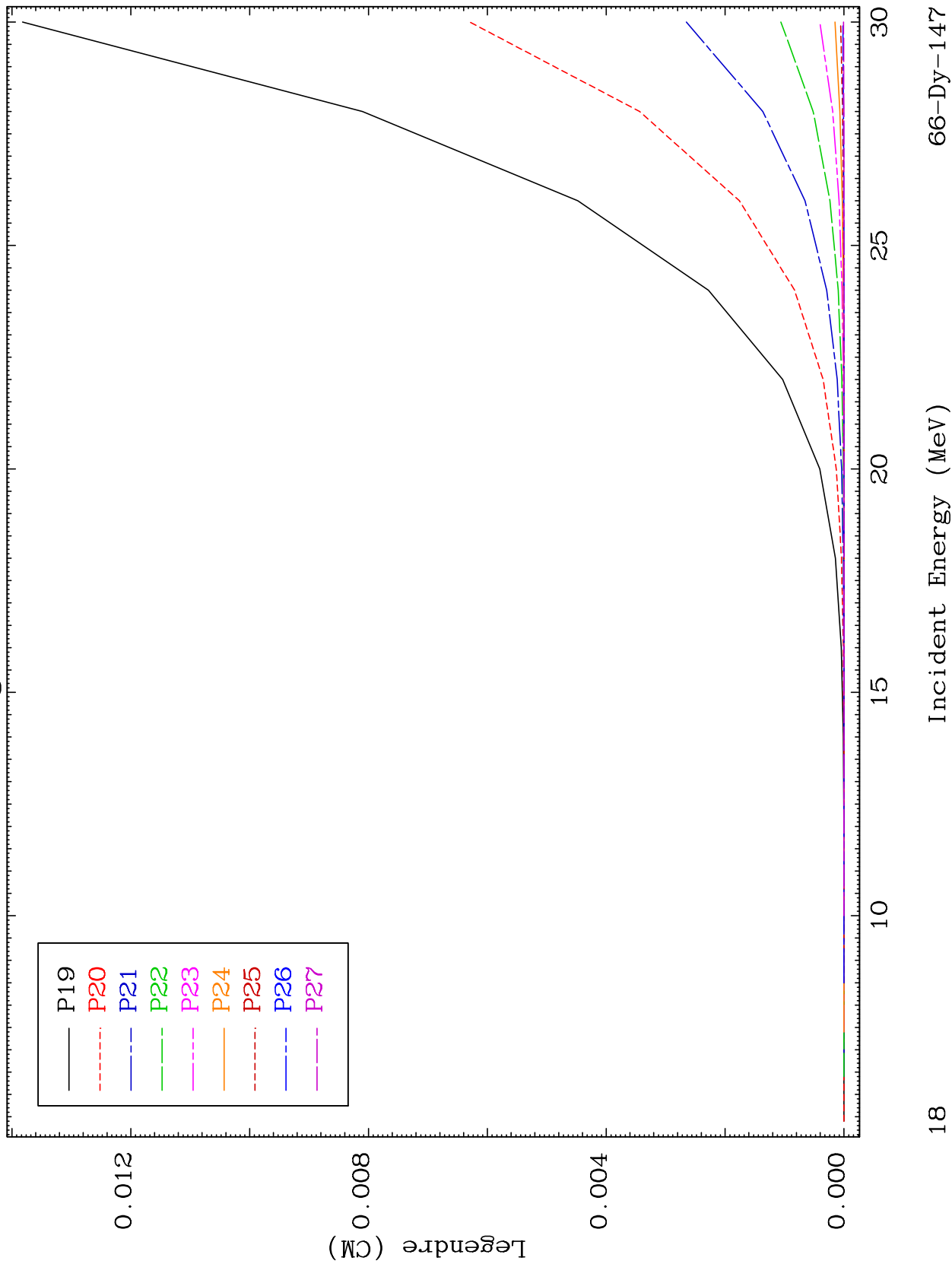
Incident Energy (MeV)

66-Dy-147

MAT 6598

Elastic Legendre Coefficients

66-Dy-147



18

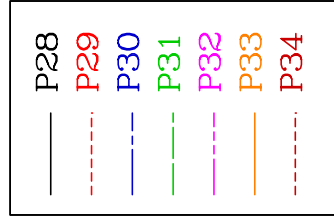
Incident Energy (MeV)

66-Dy-147

MAT 6598

Elastic Legendre Coefficients

66-Dy-147



$\times 10^{-6}$

Legendre (CM)

1.5

1.0

0.5

0.0

15

20

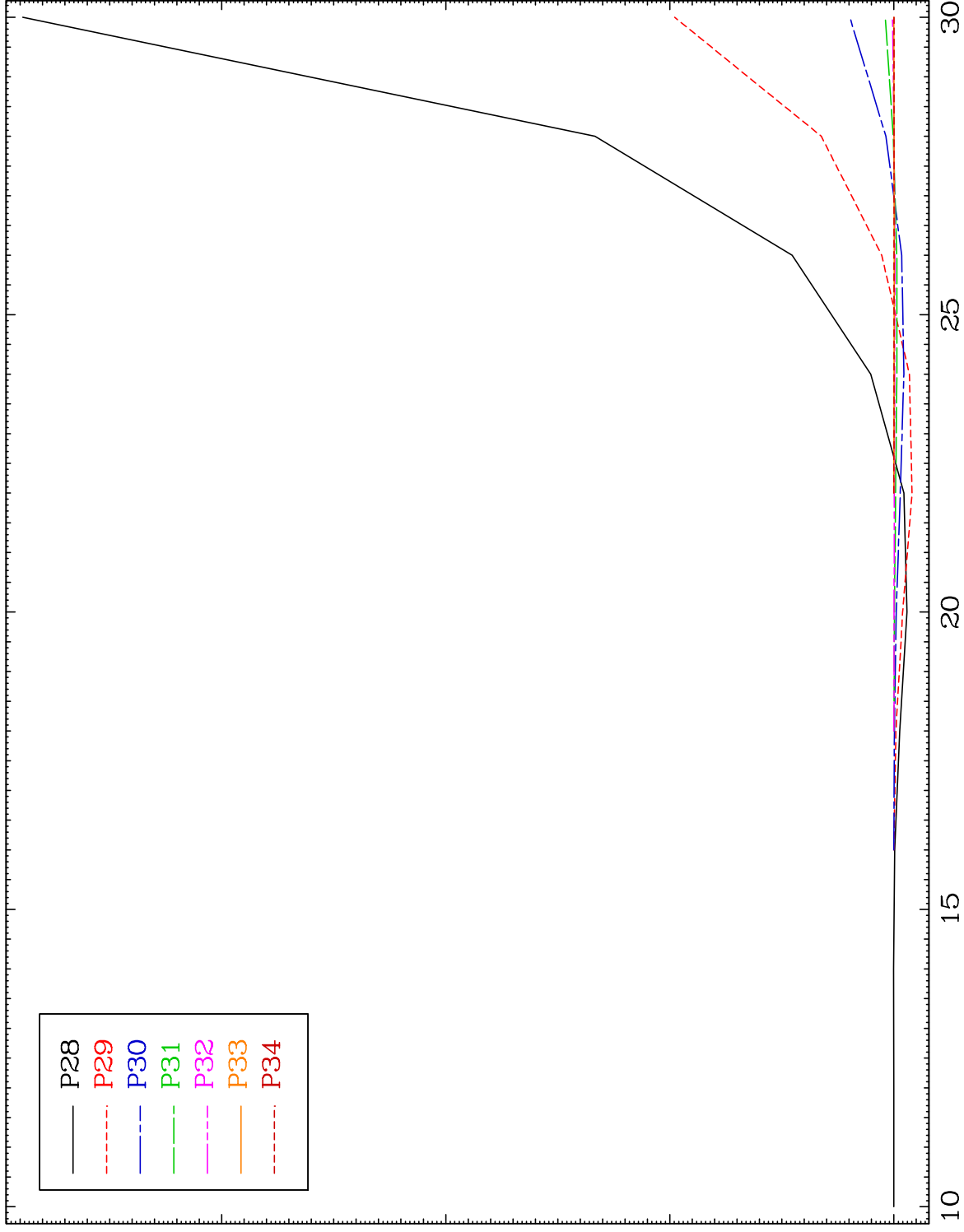
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30

19

Incident Energy (MeV)

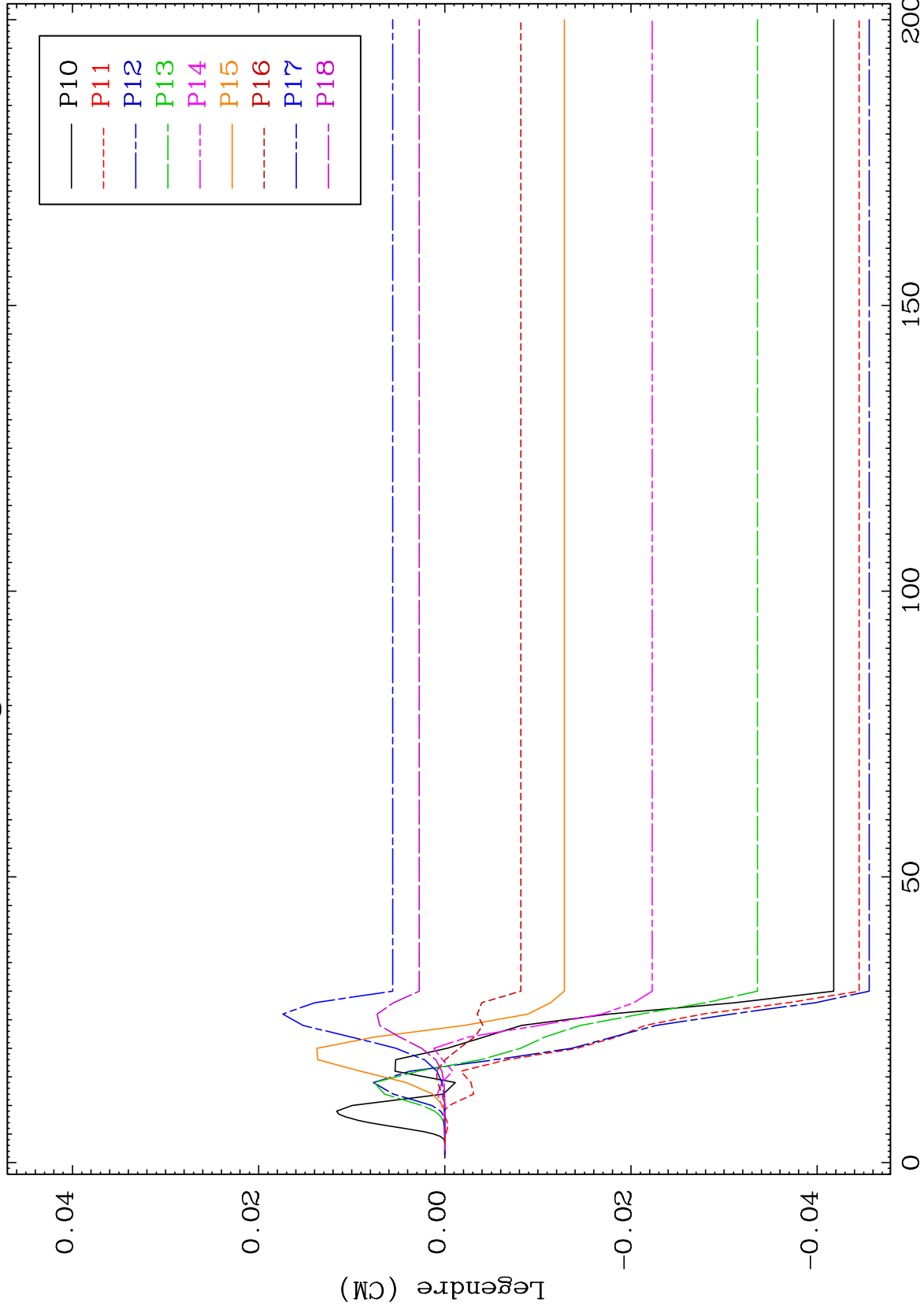
66-Dy-147



MAT 6598

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

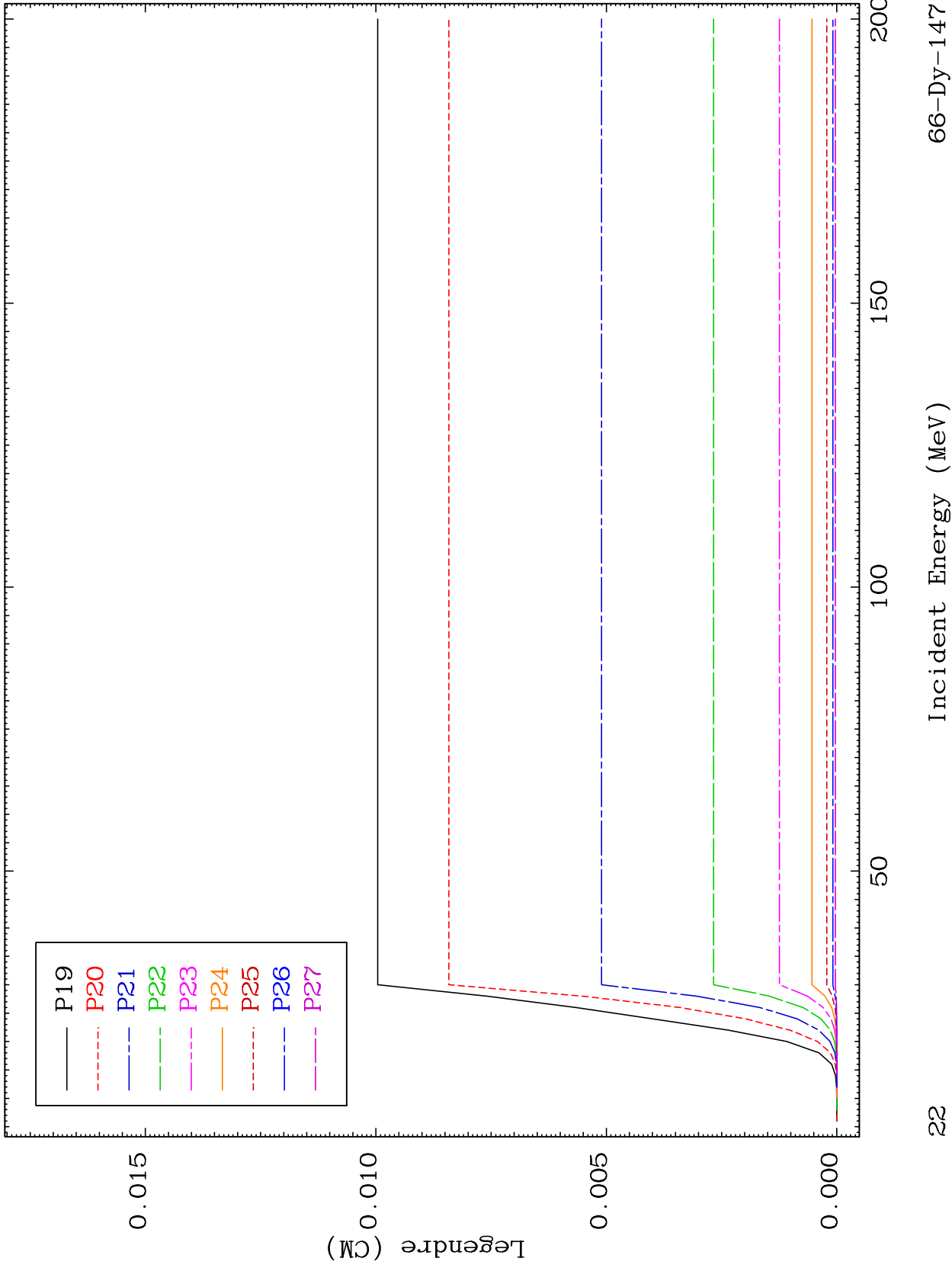
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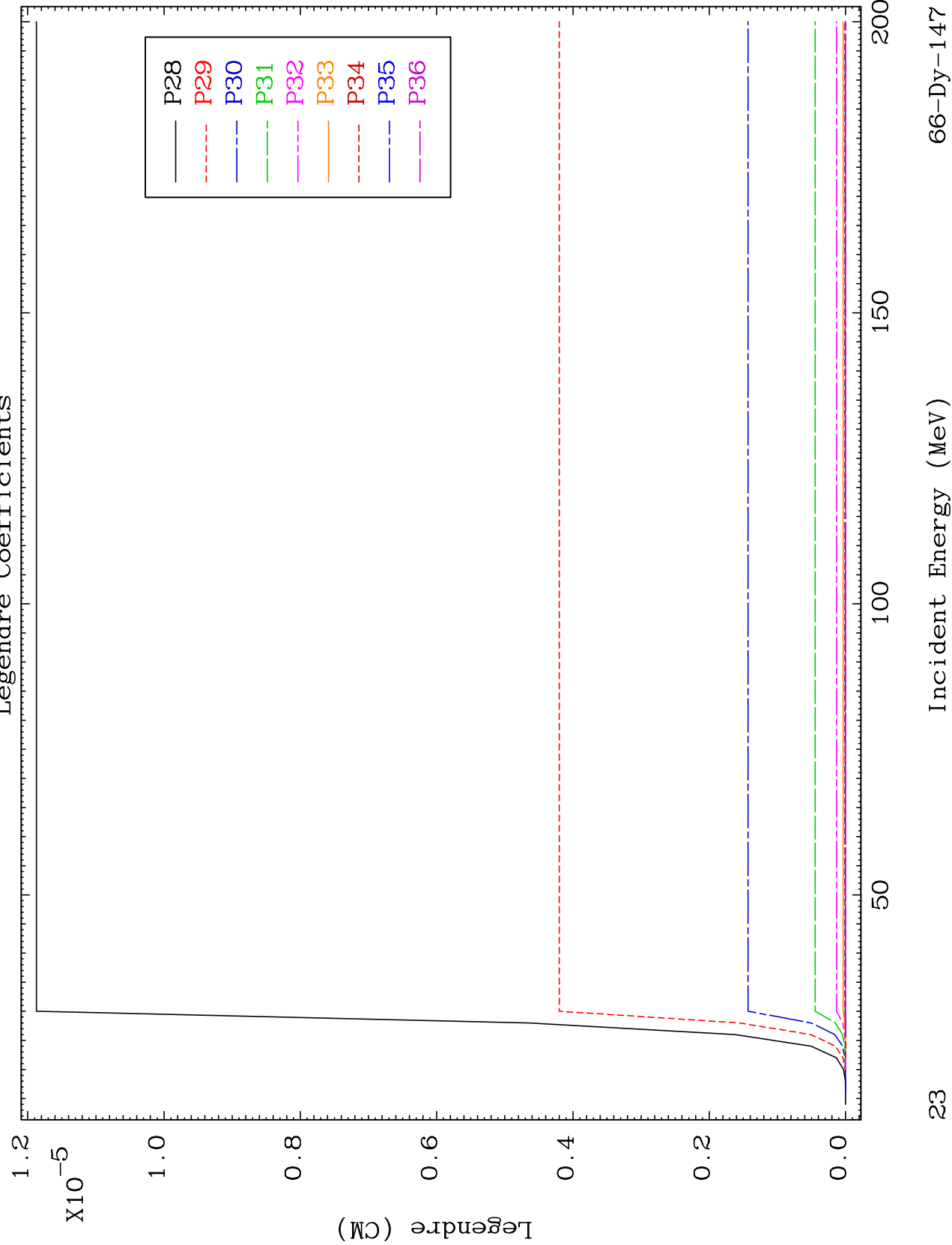


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Incident Energy (MeV)

66-Dy-147

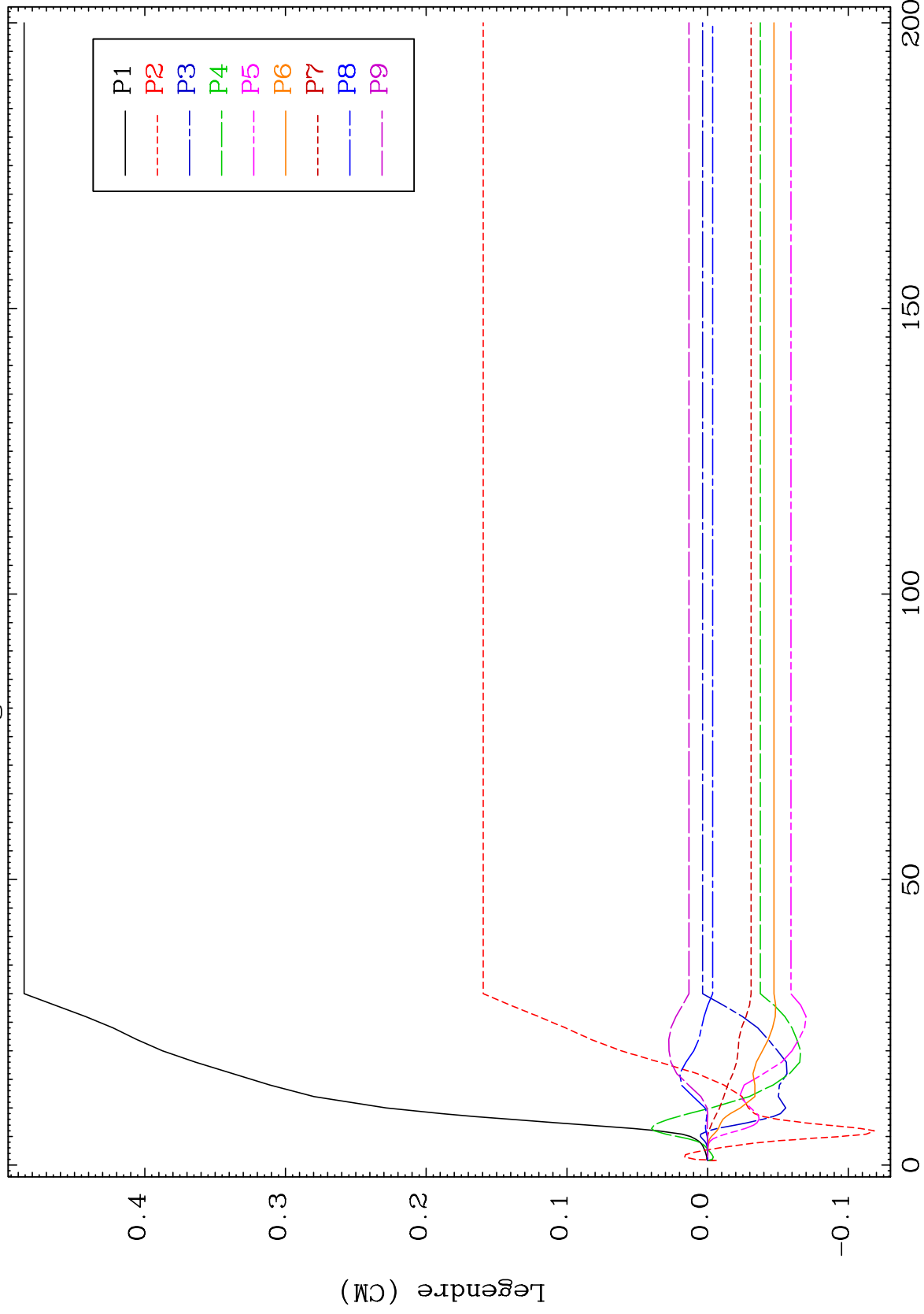




MAT 6598

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

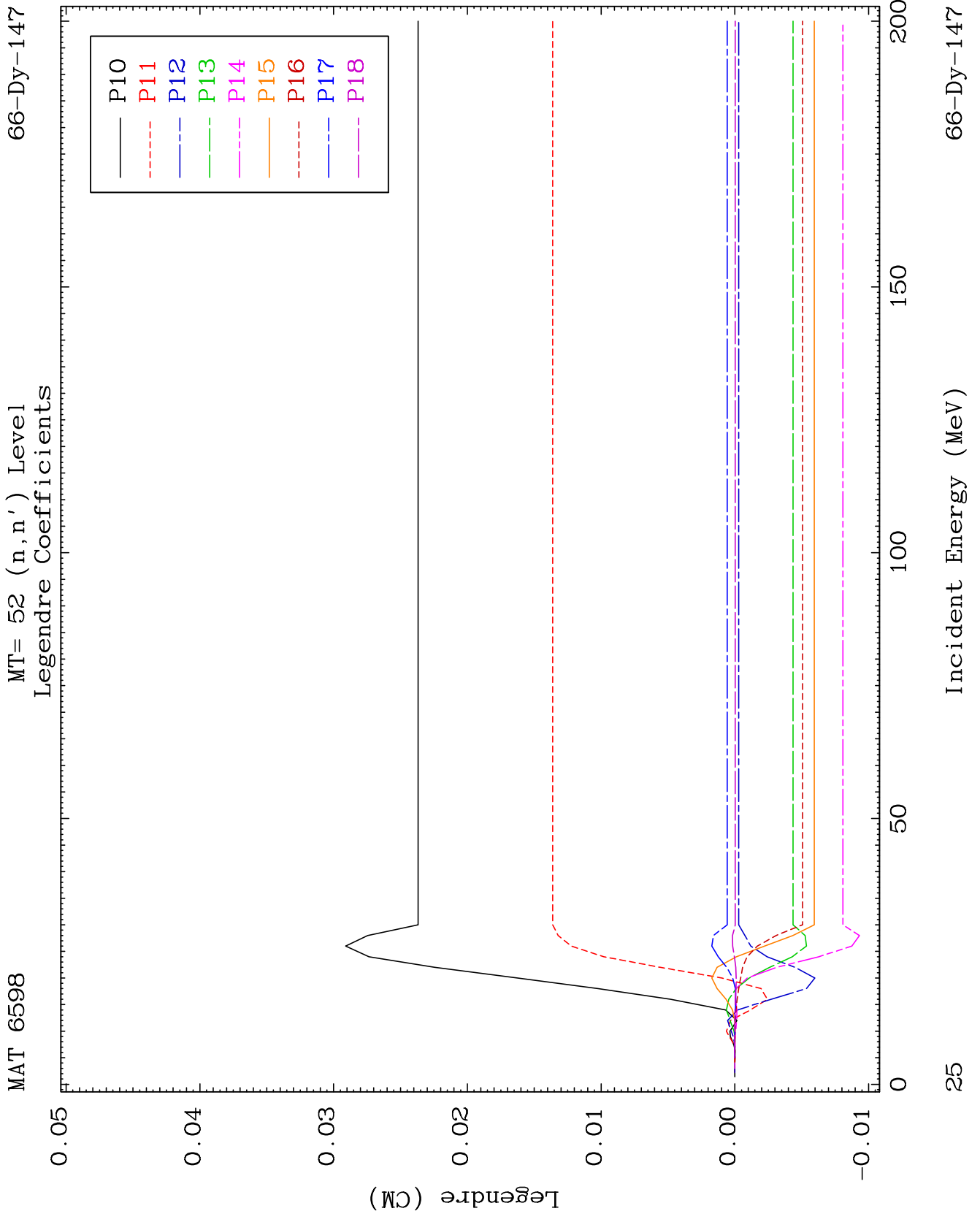
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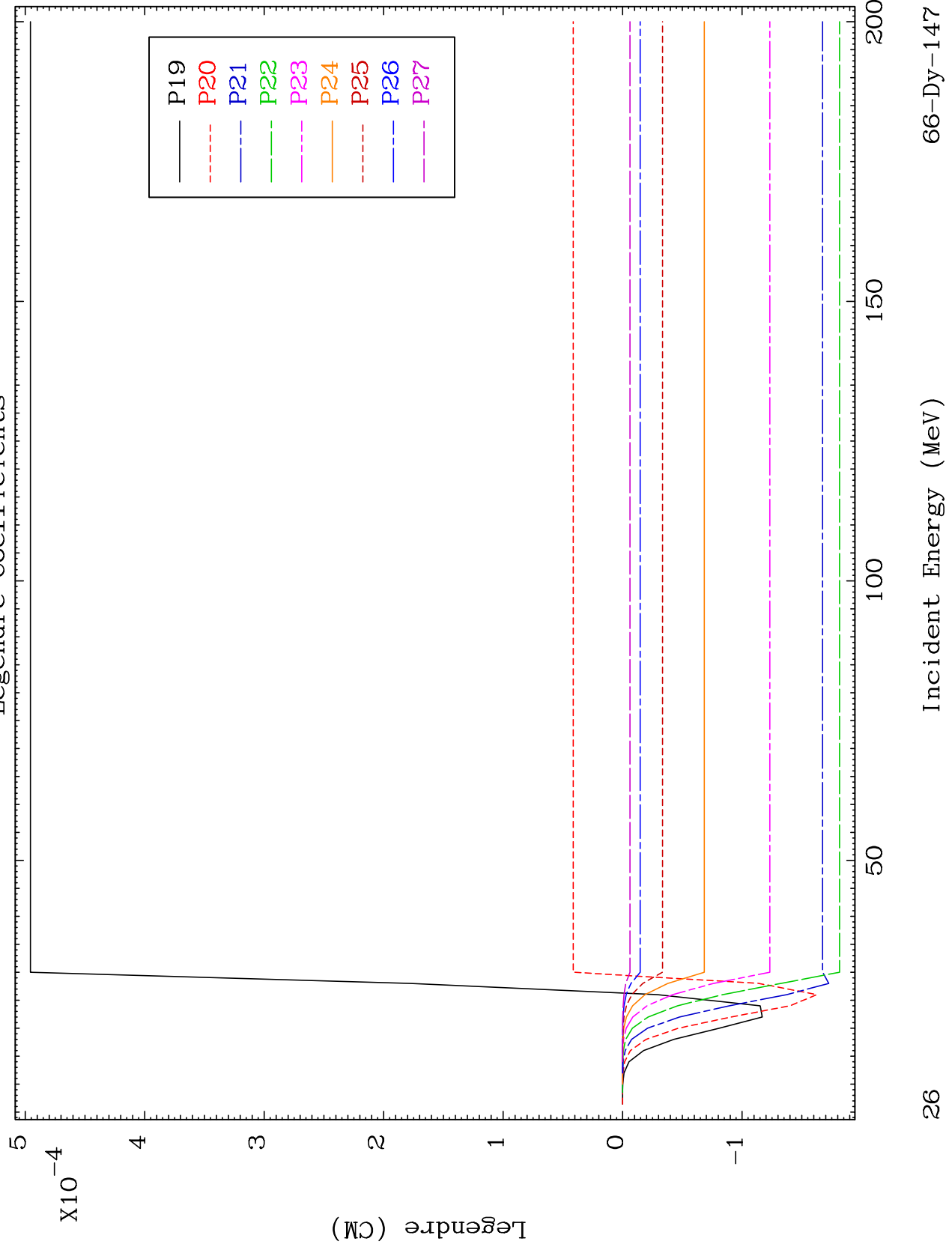


24

Incident Energy (MeV)

66-Dy-147

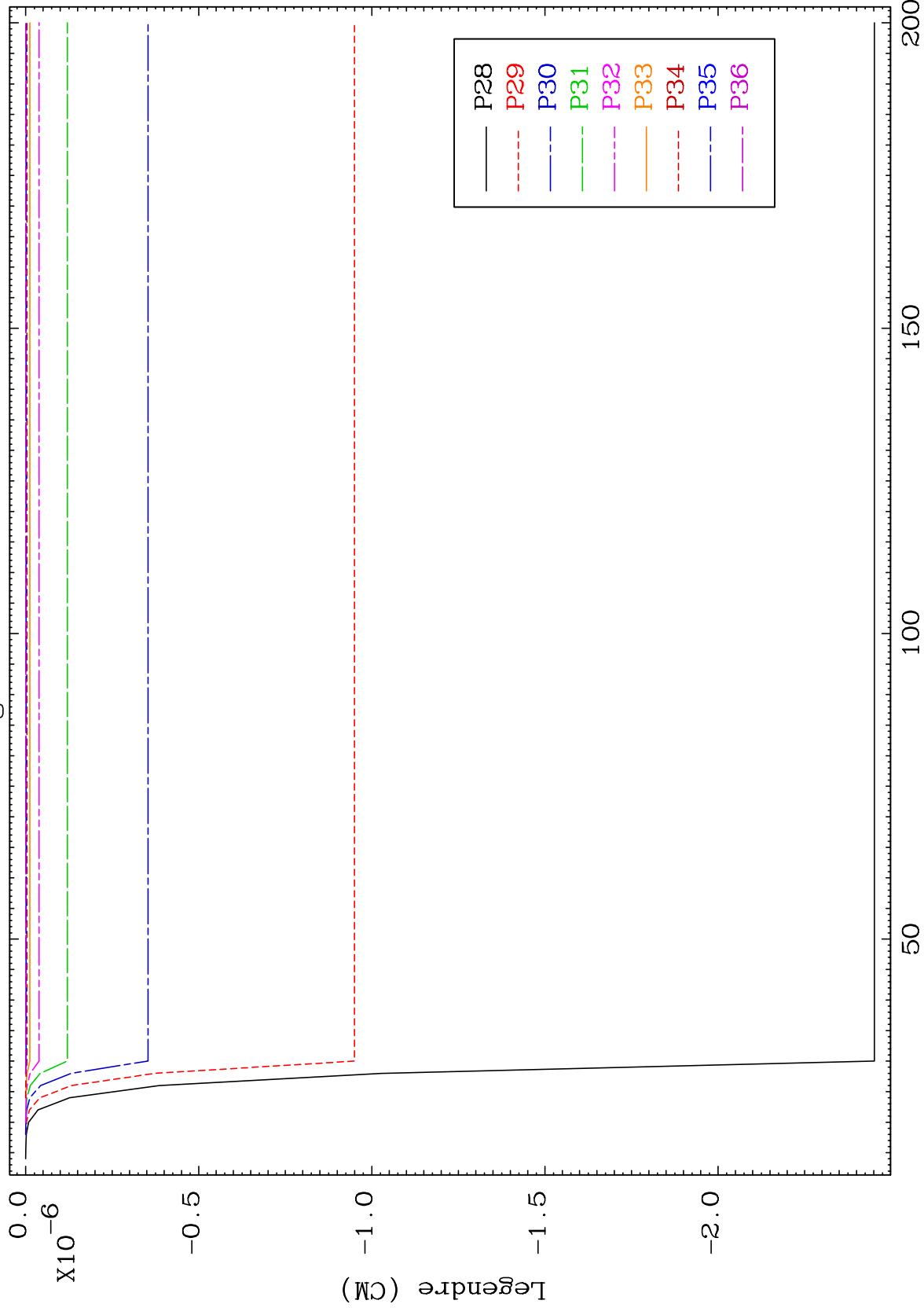




MAT 6598

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

66-Dy-147



27

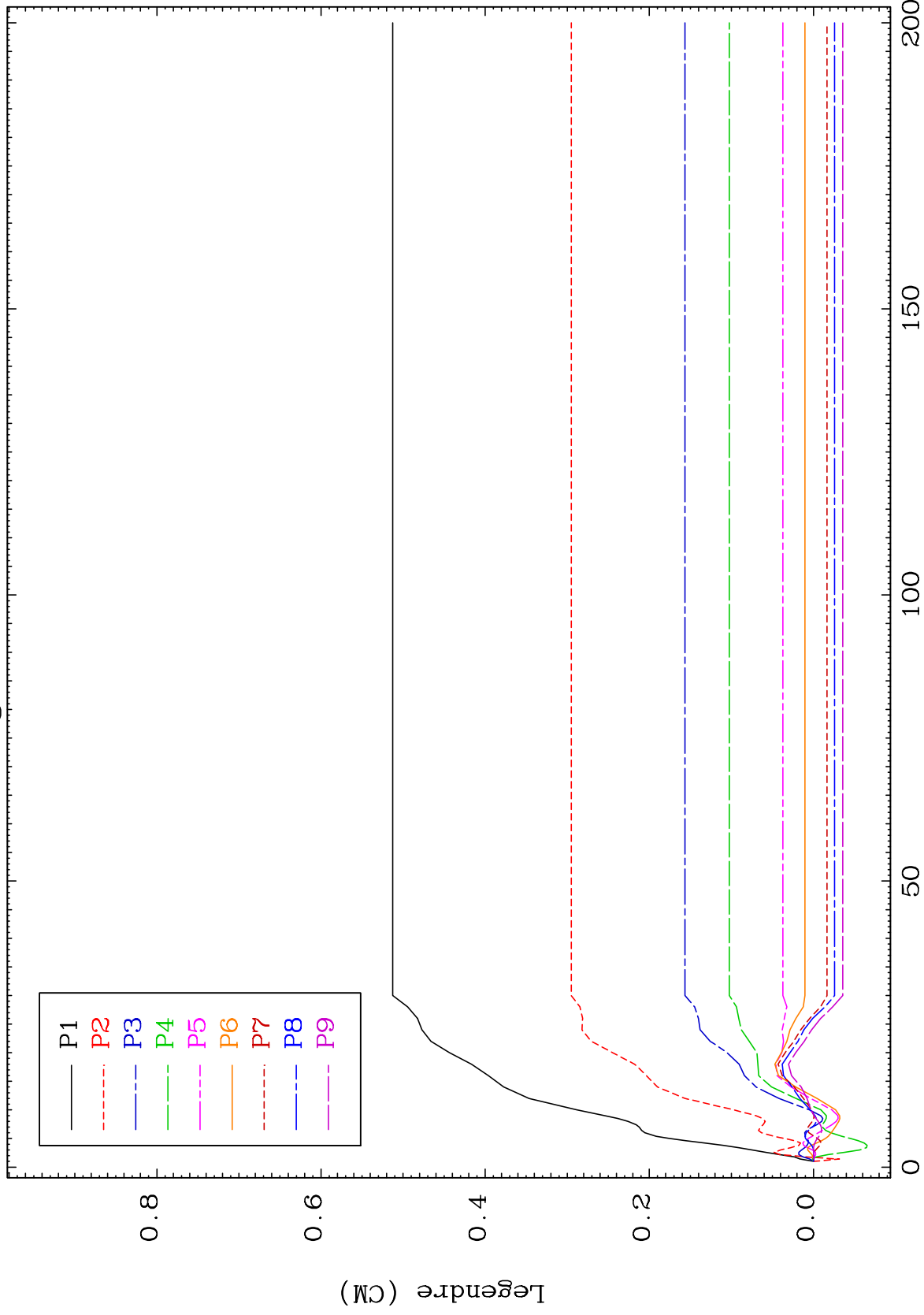
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



28

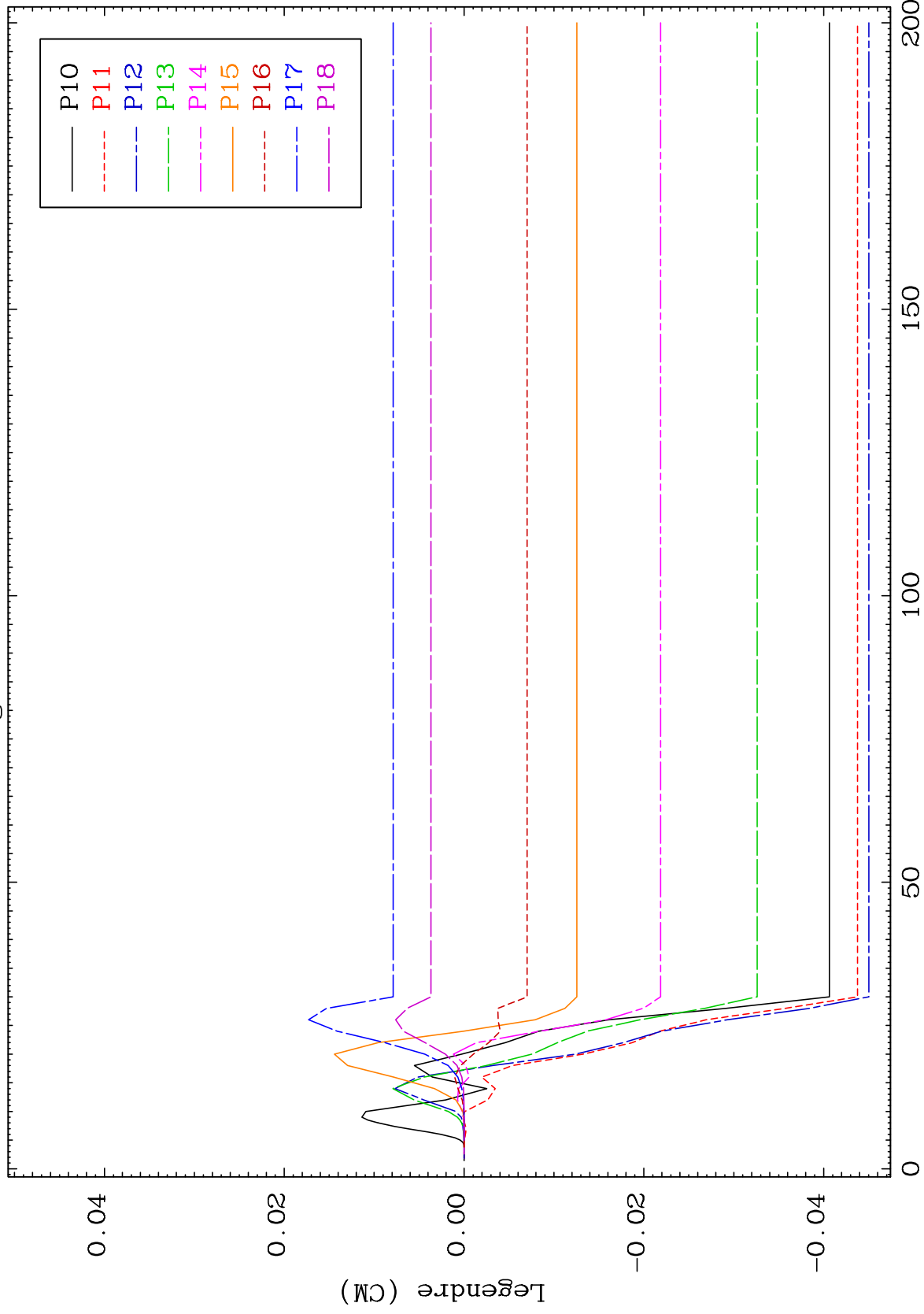
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



29

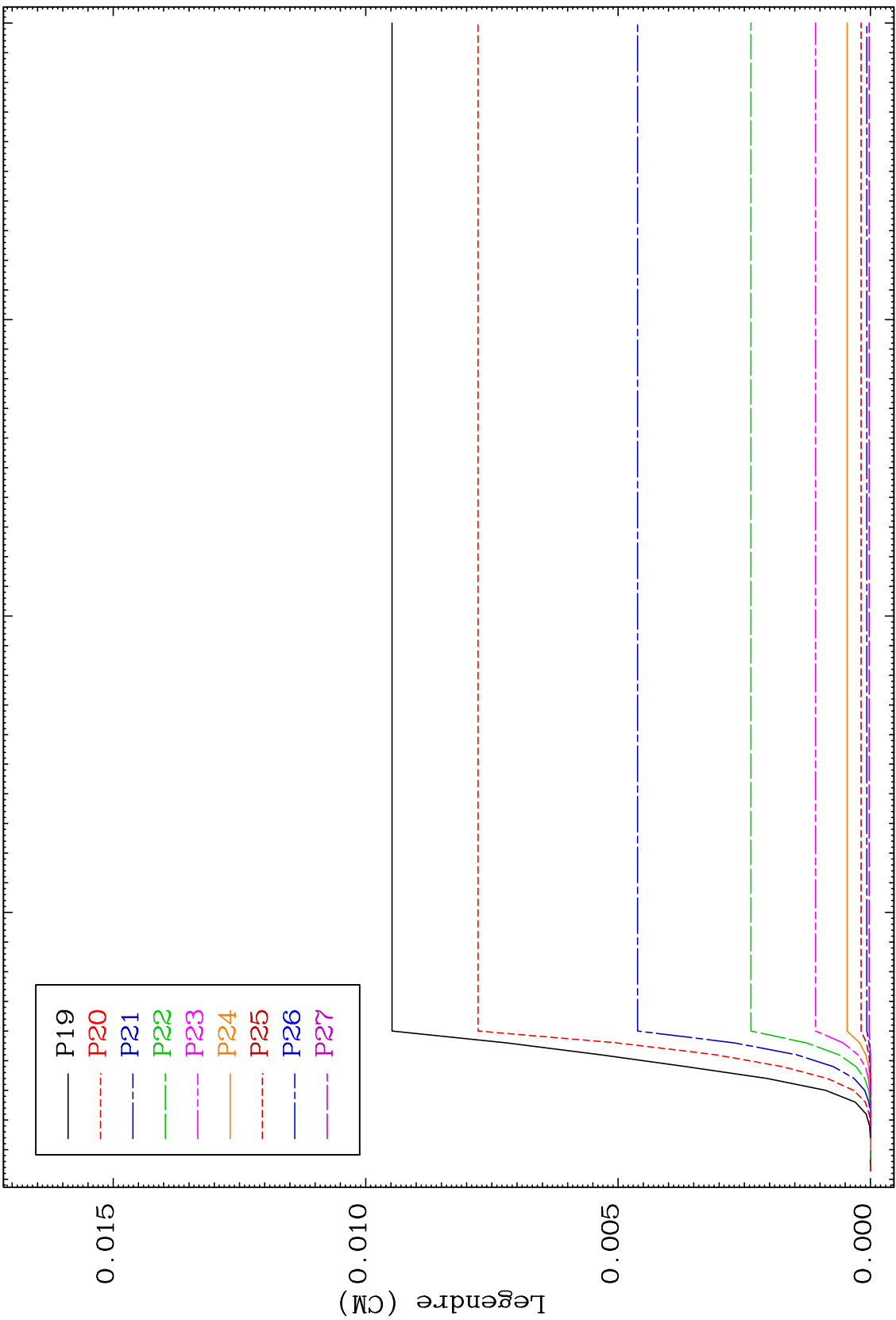
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



30

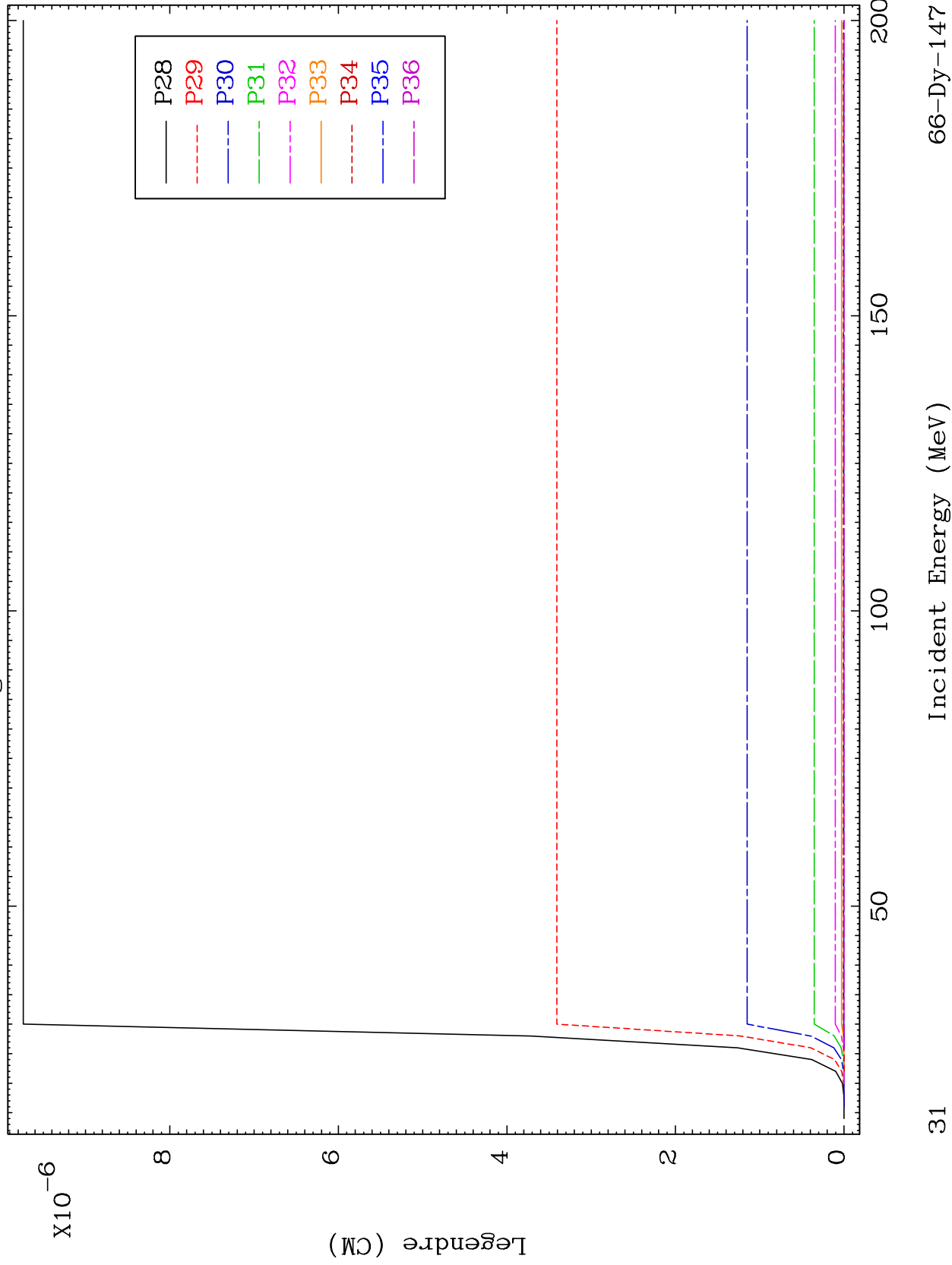
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

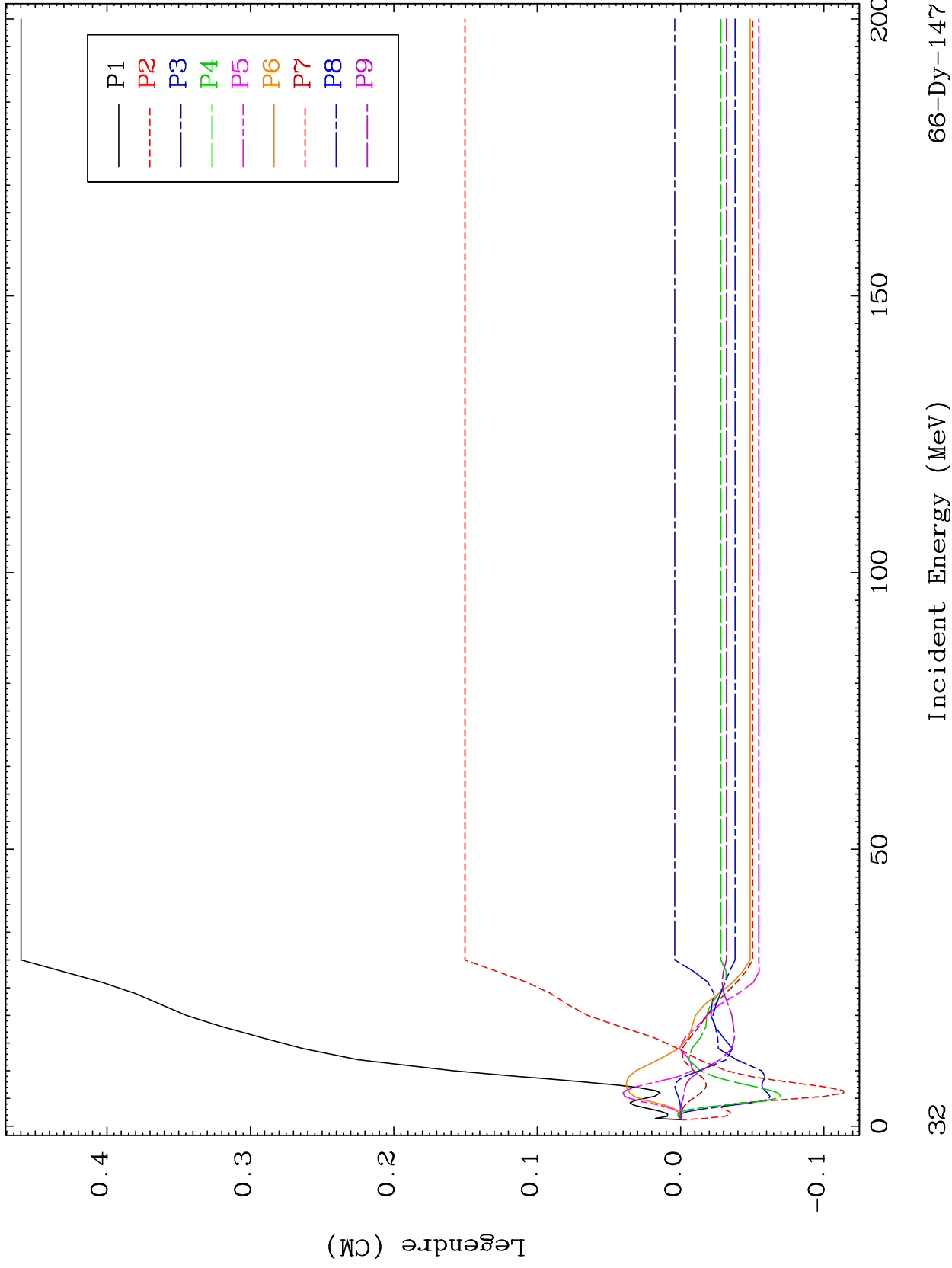
66-Dy-147



MAT 6598

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

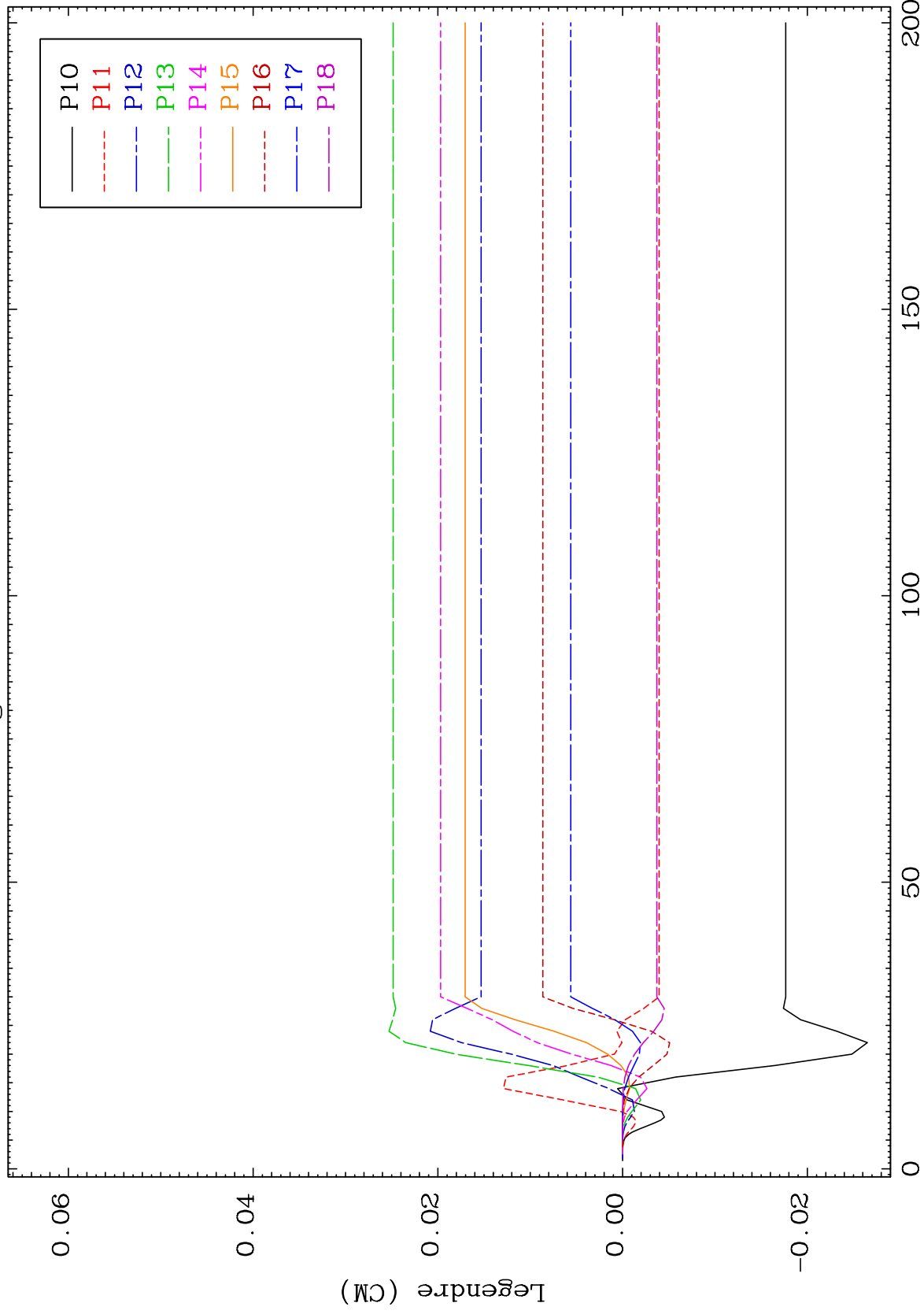
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MAT 6598

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

66-Dy-147



33

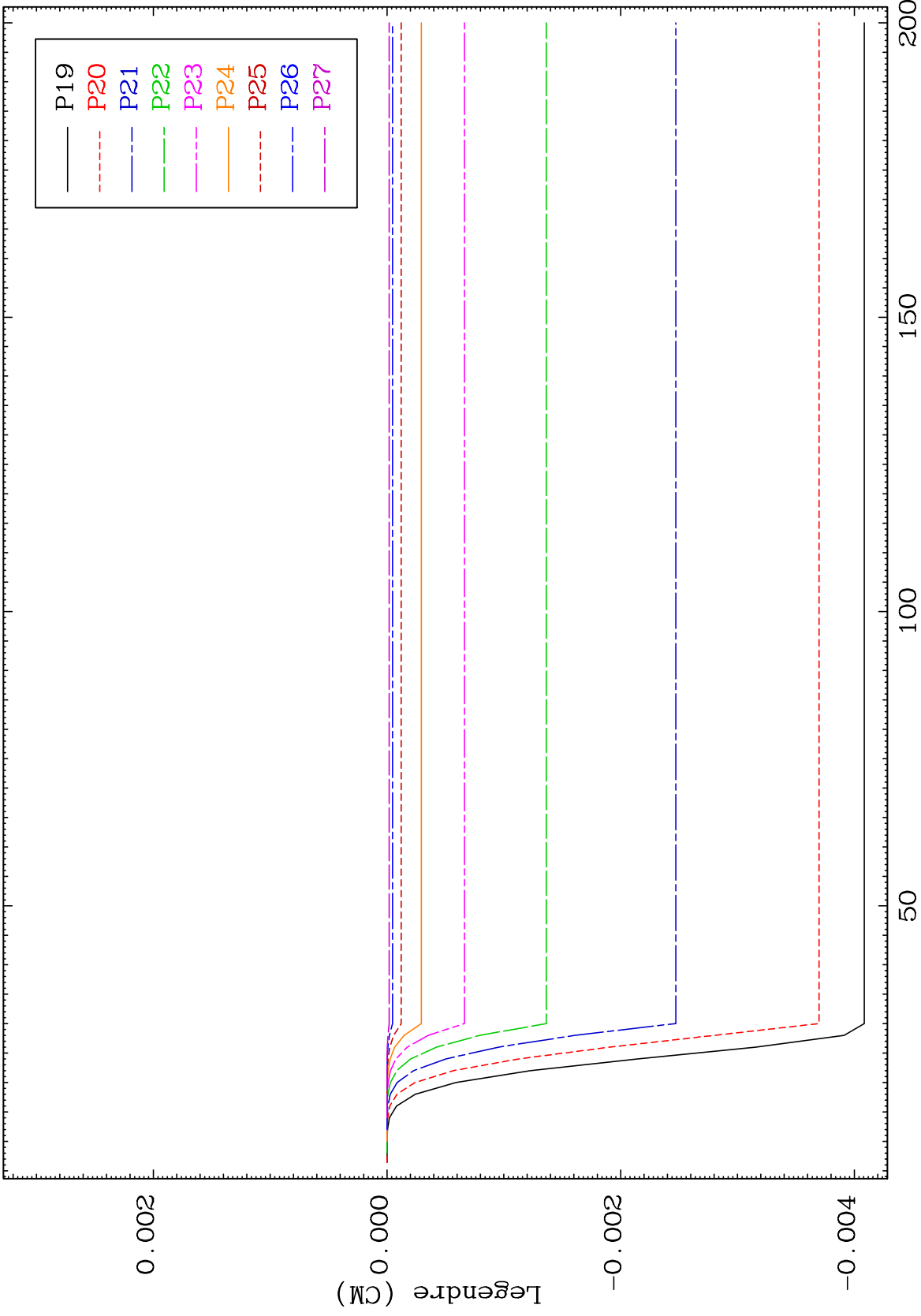
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



34

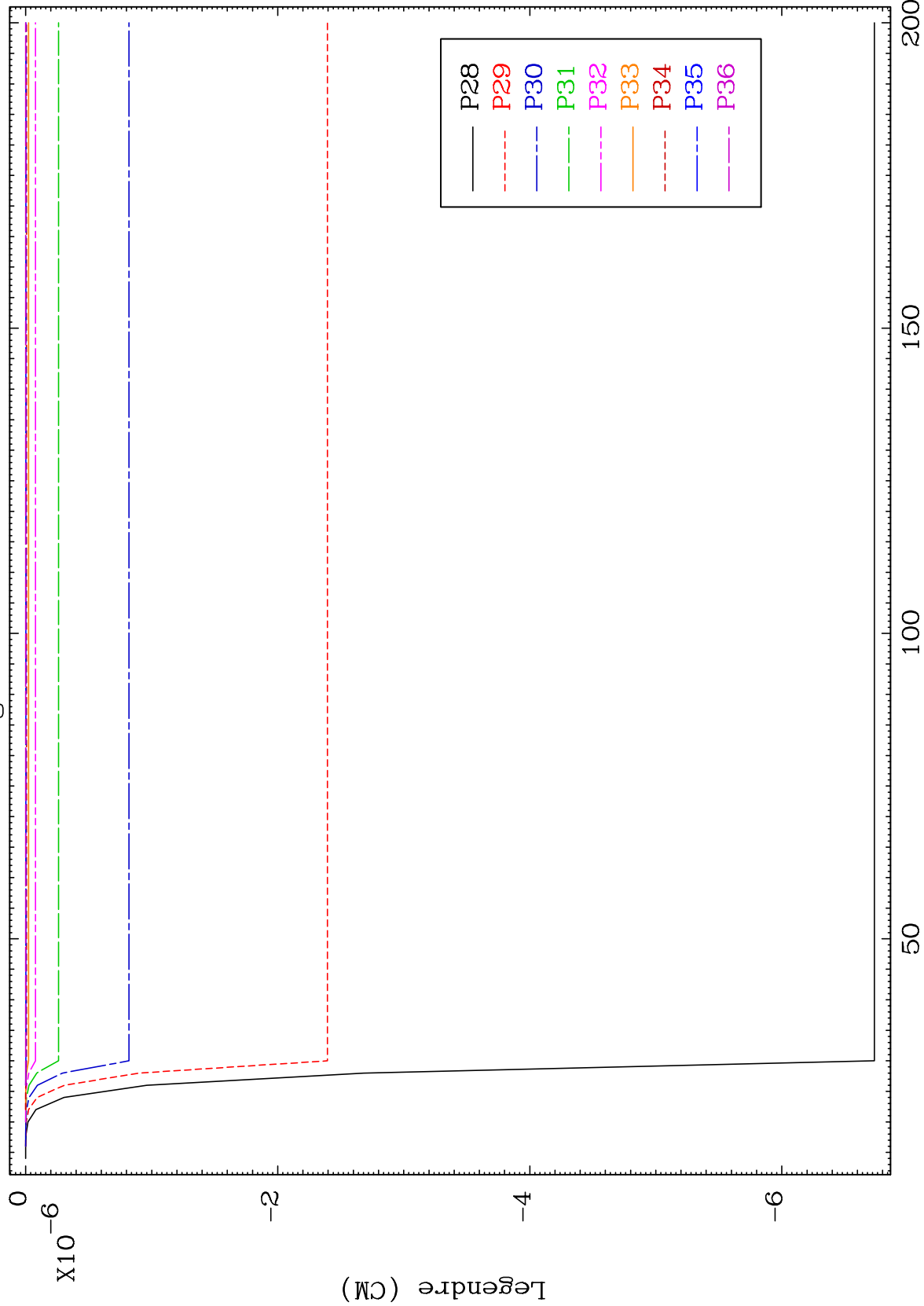
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



35

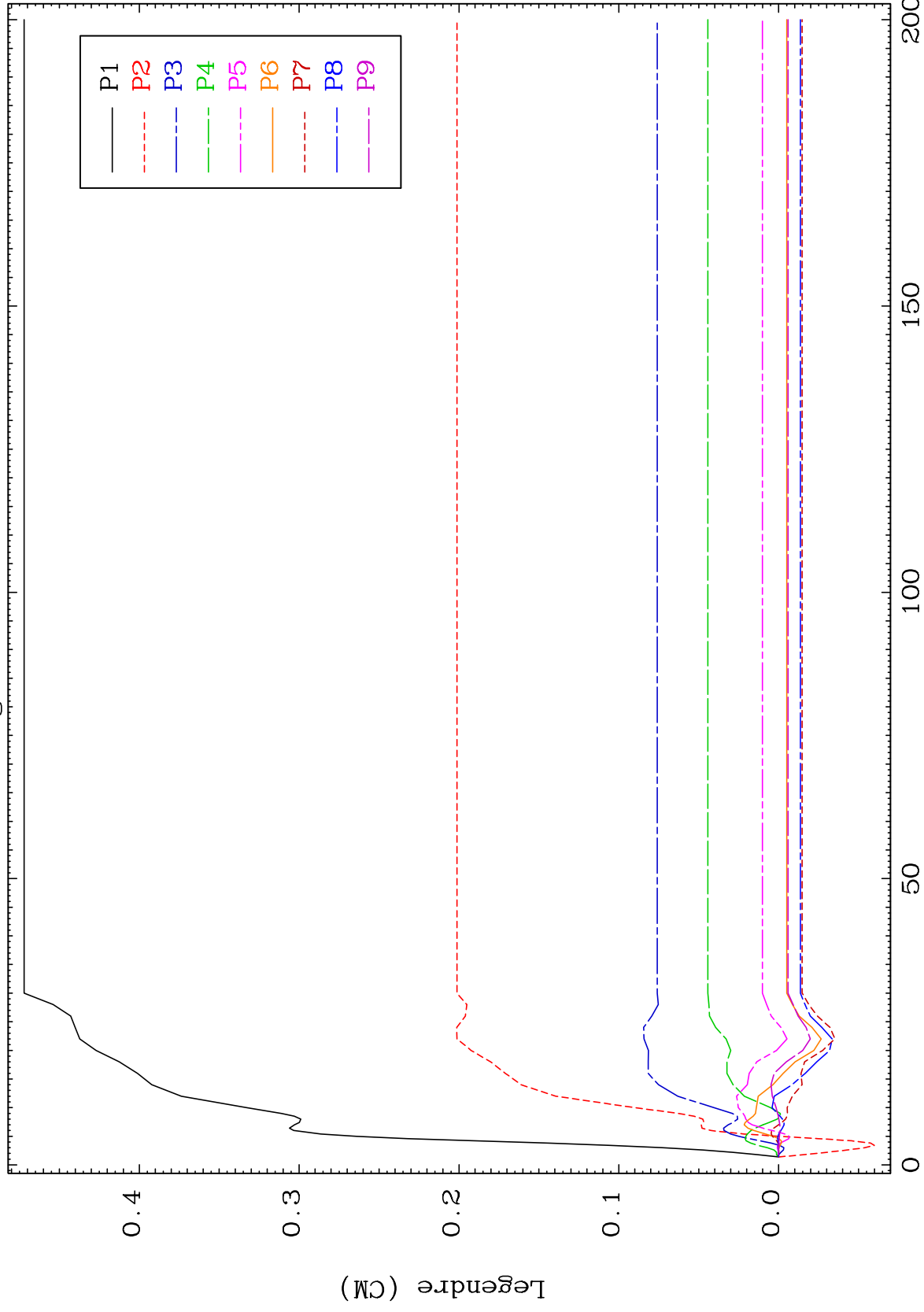
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



36

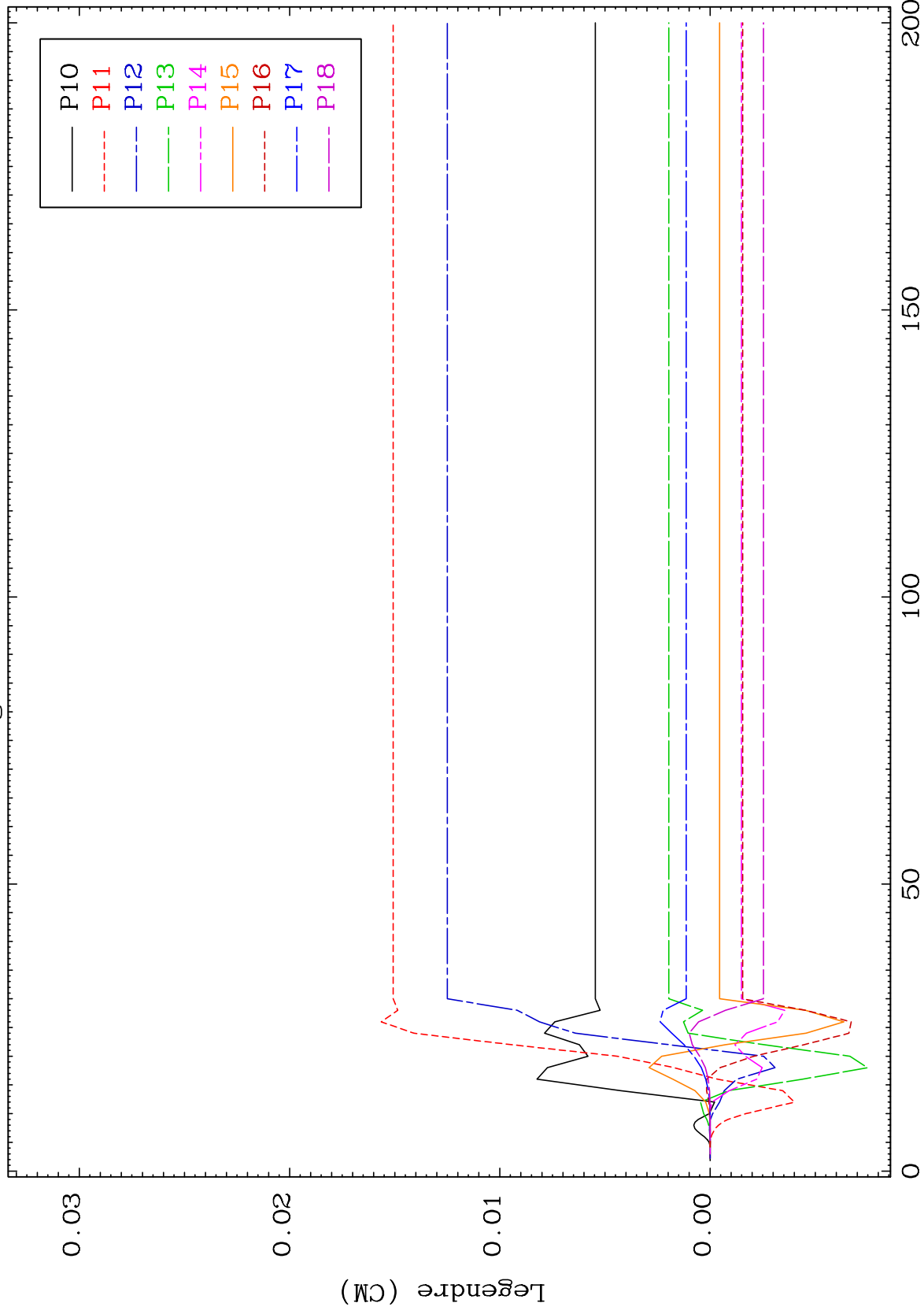
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



37

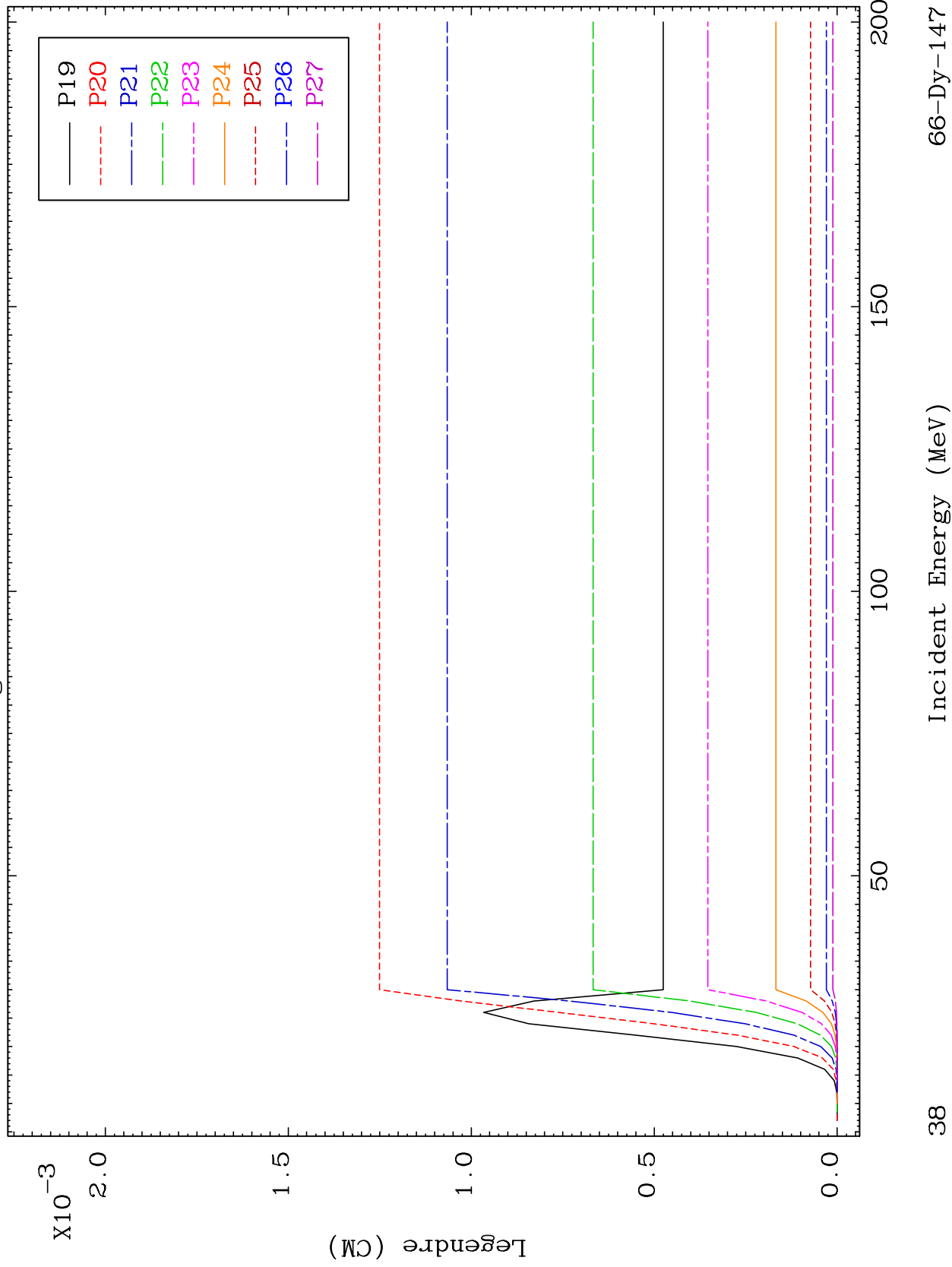
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

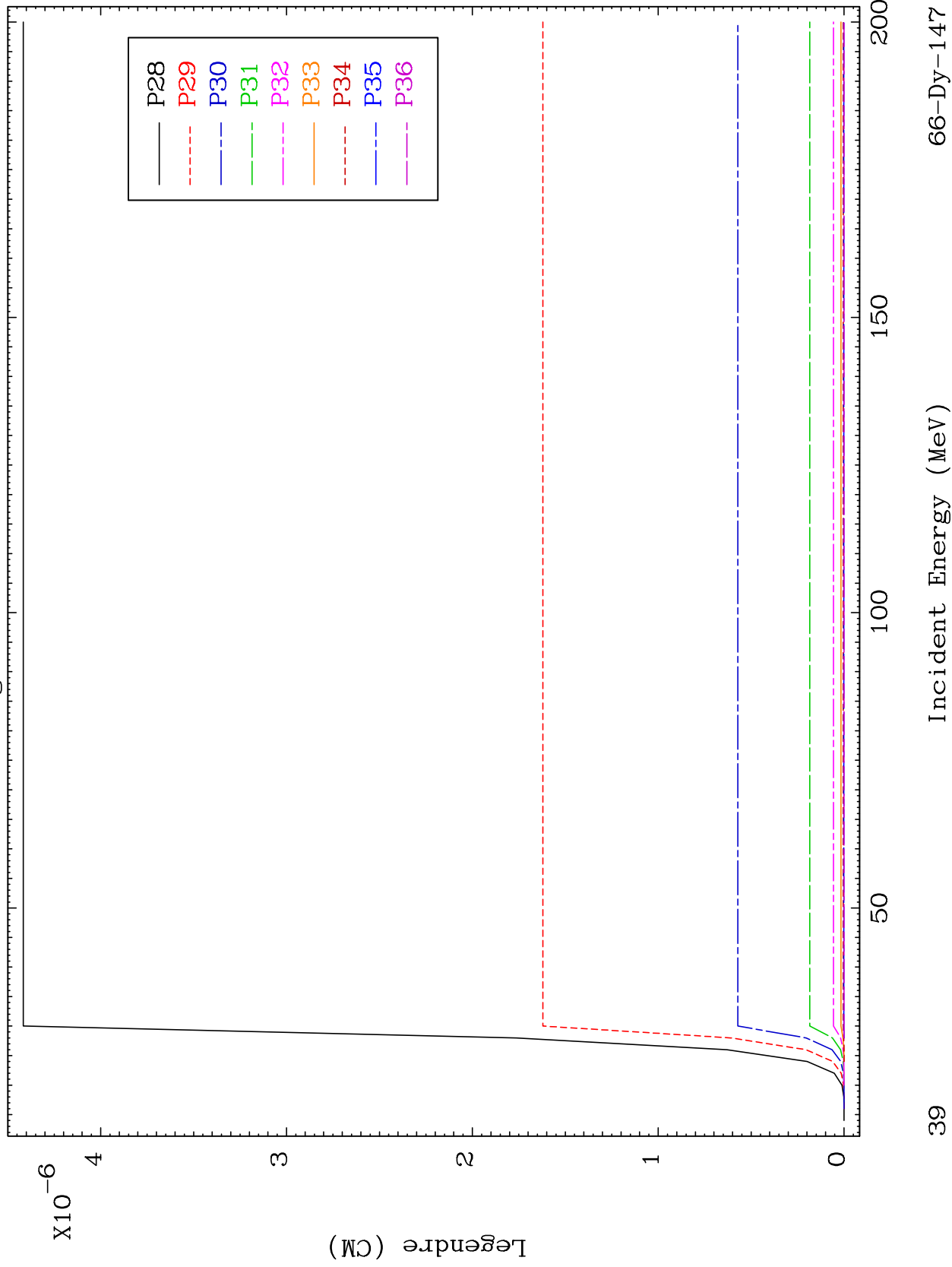
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MAT 6598

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

66-Dy-147



39

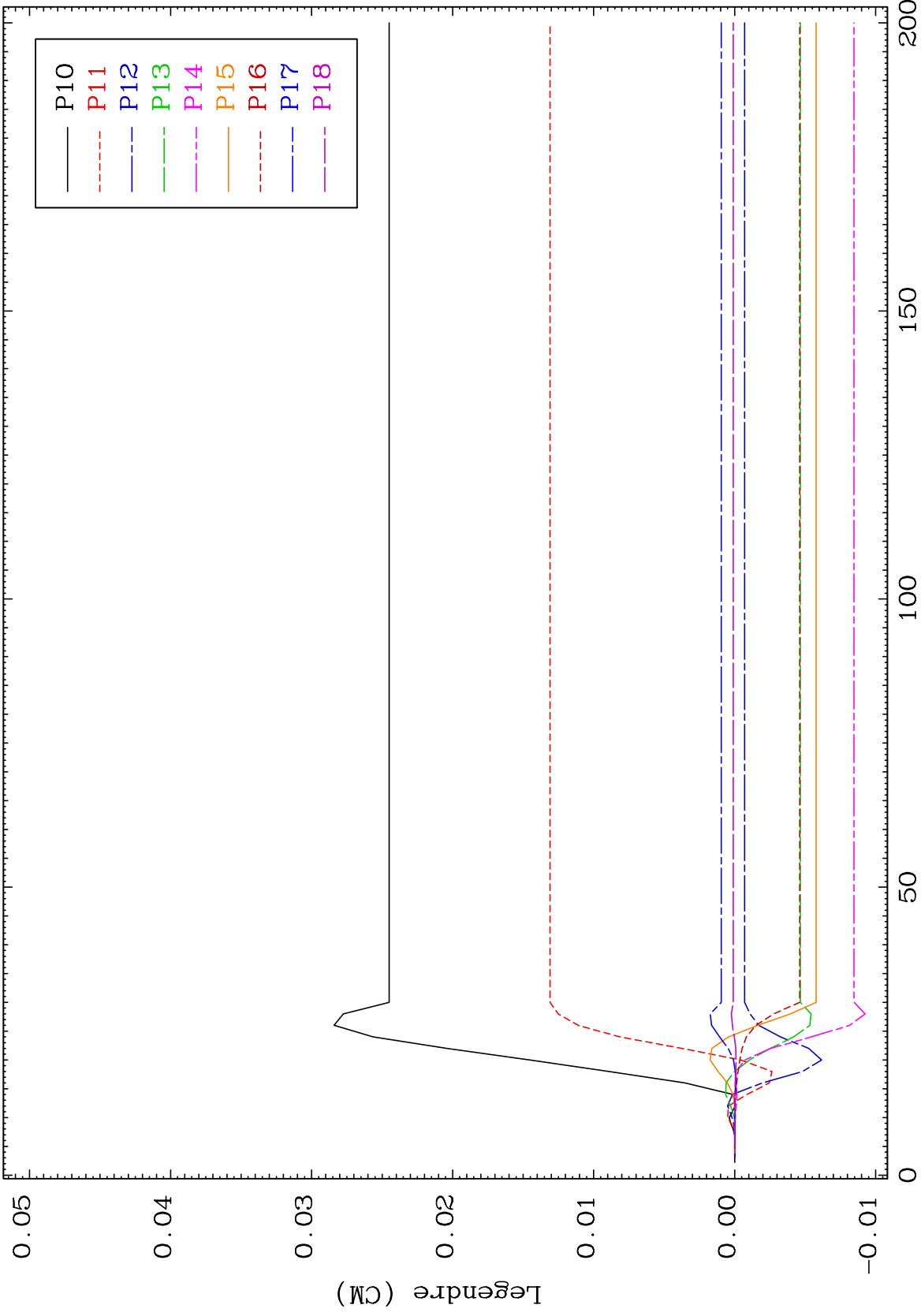
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



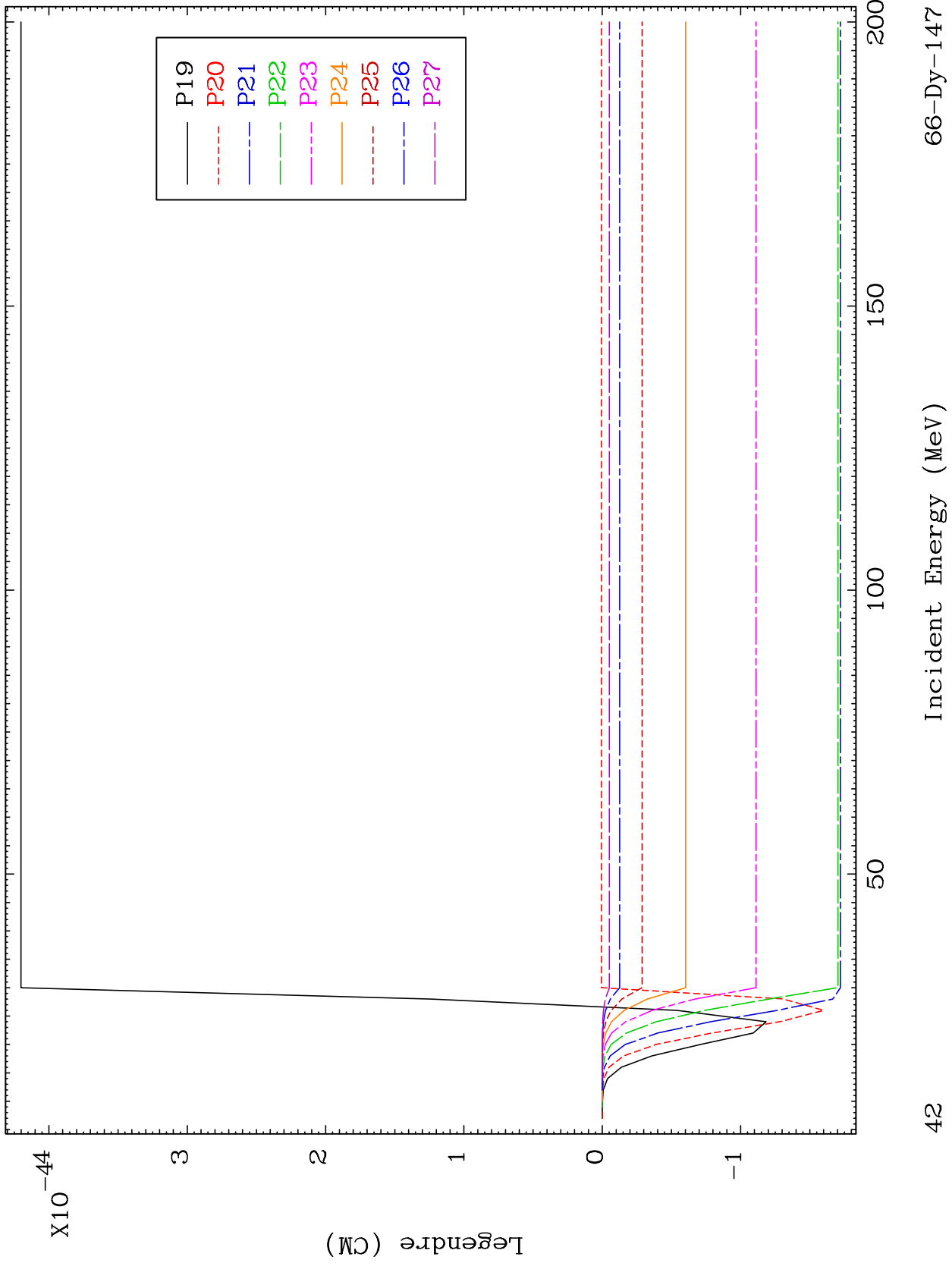
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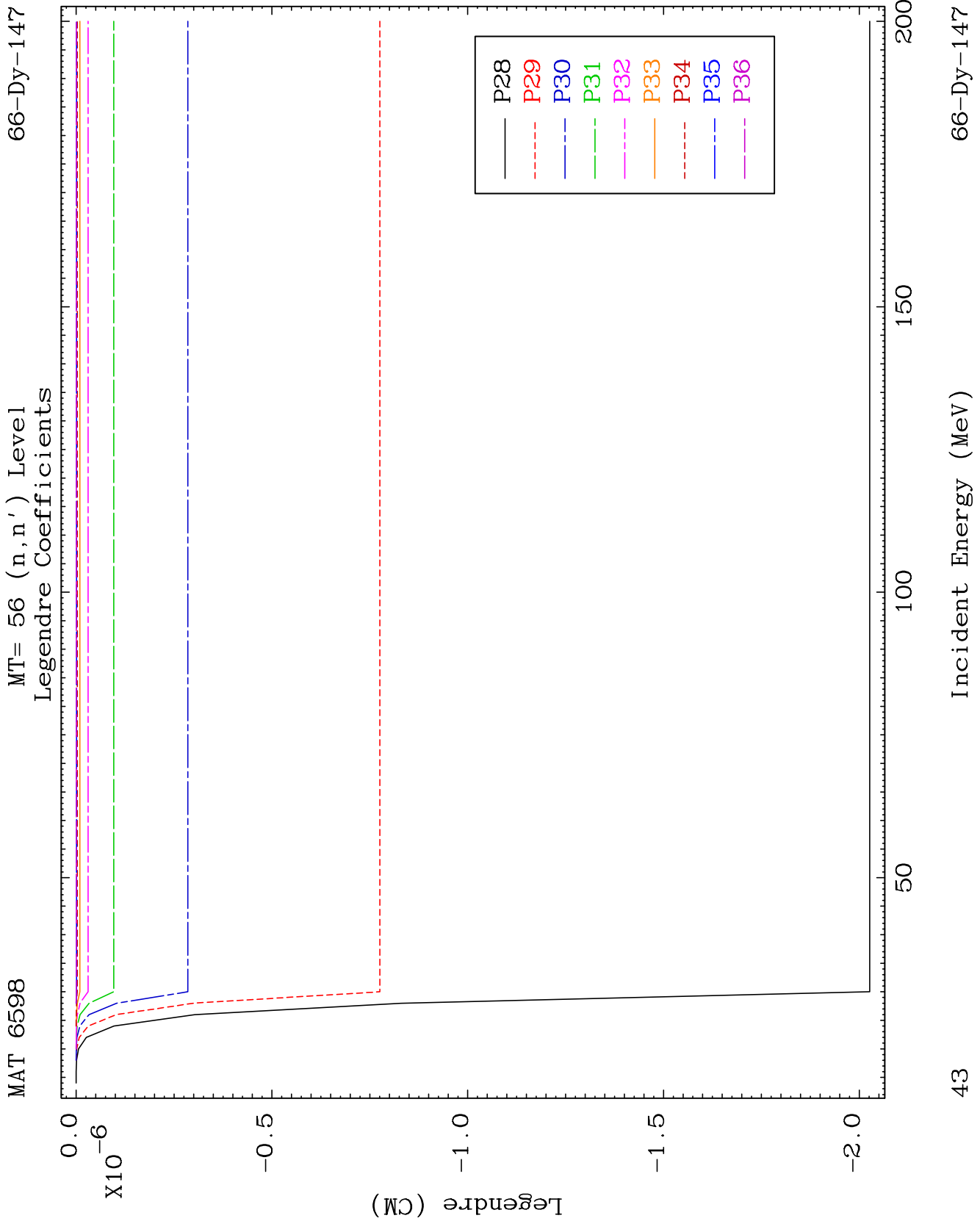
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MAT 6598

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

66-Dy-147

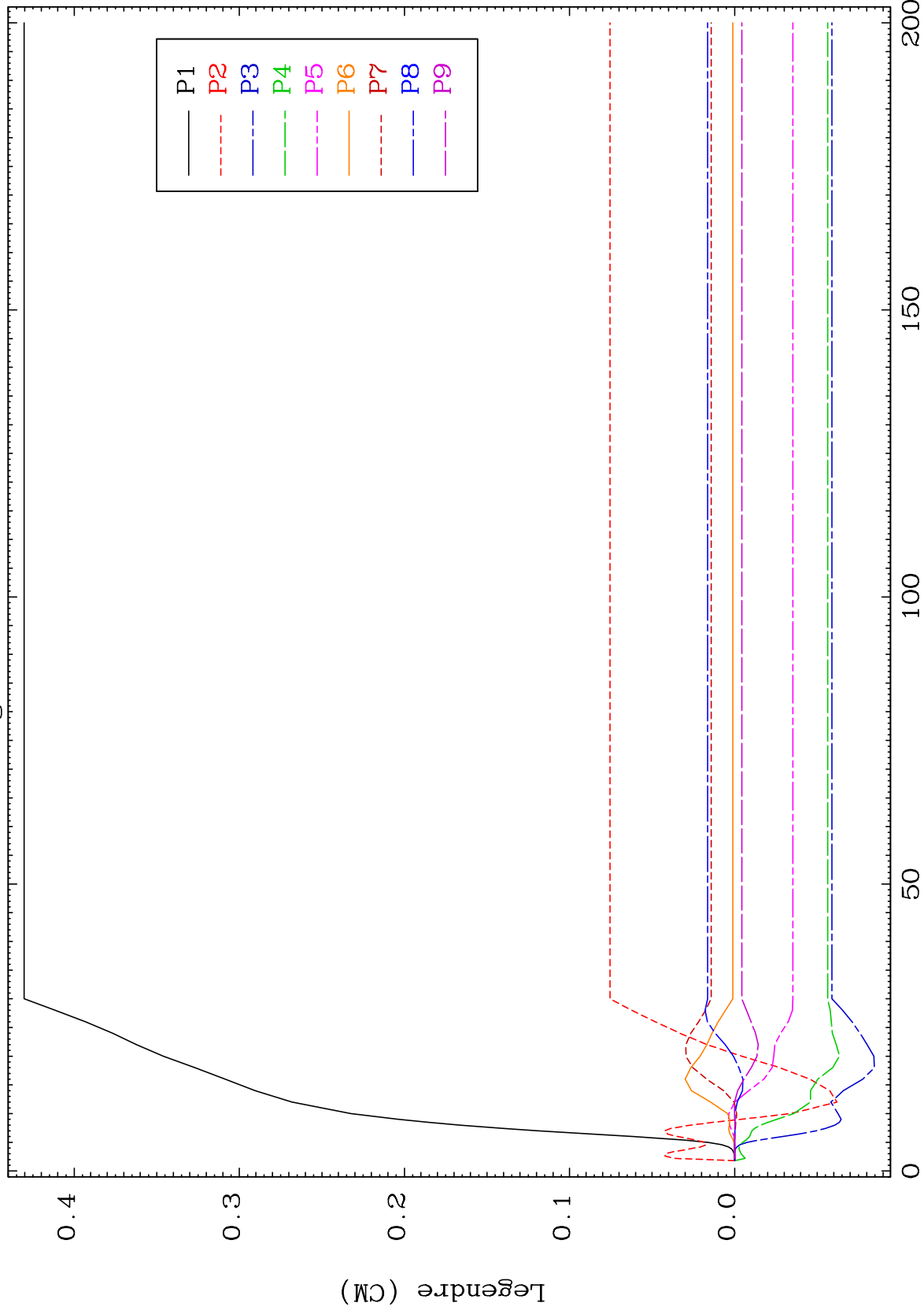




MAT 6598

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

66-Dy-147



44

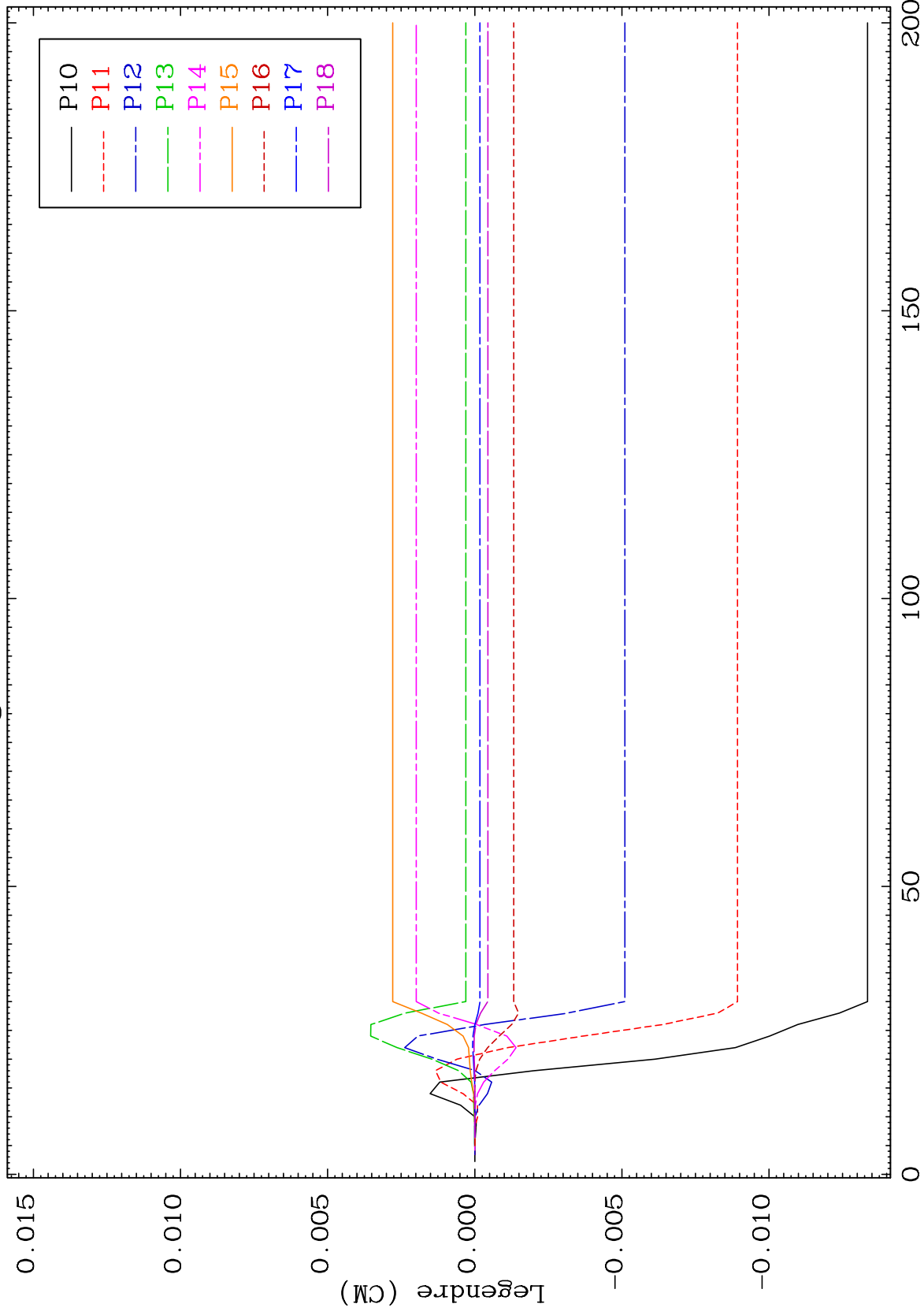
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



45

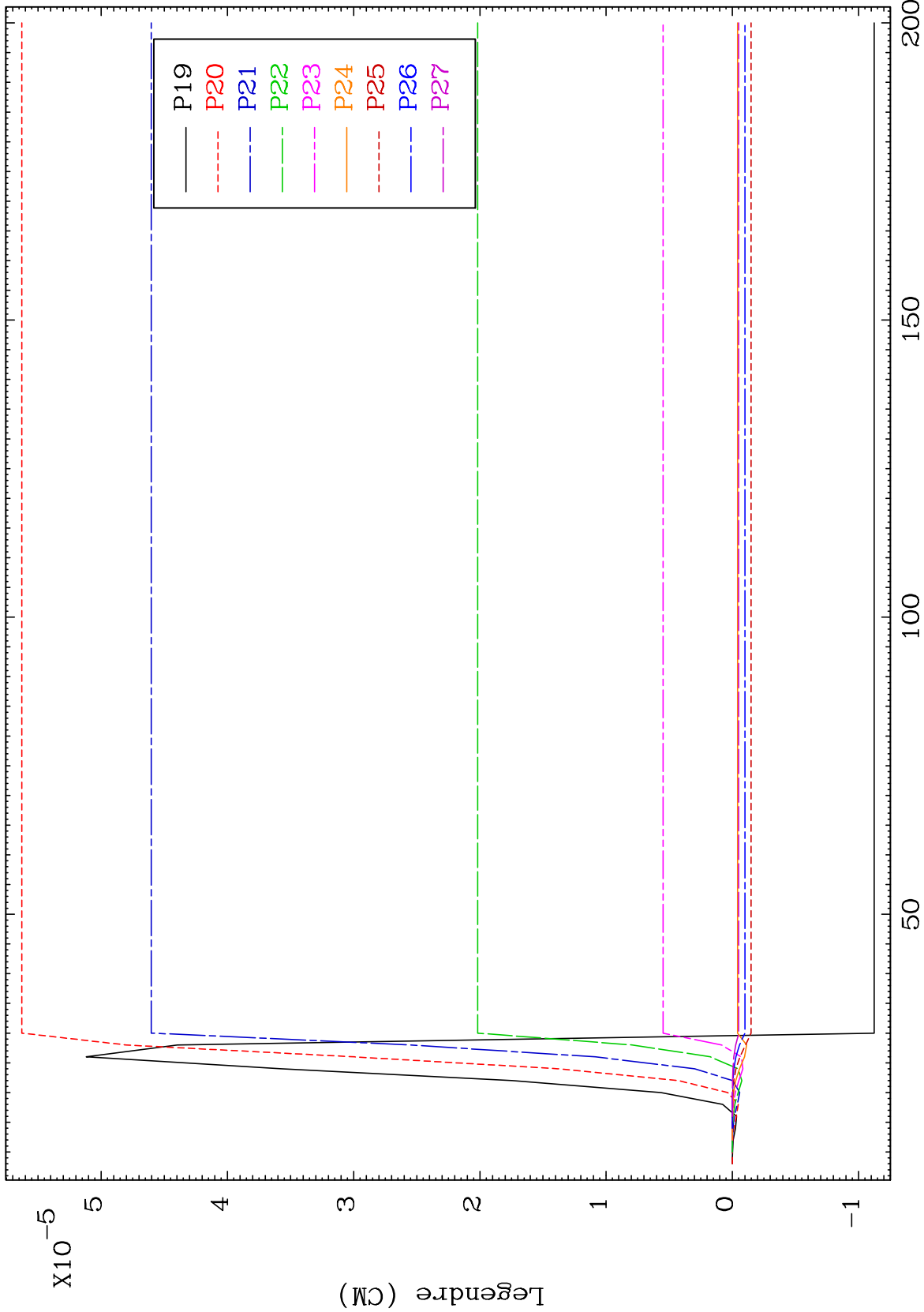
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



46

Incident Energy (MeV)

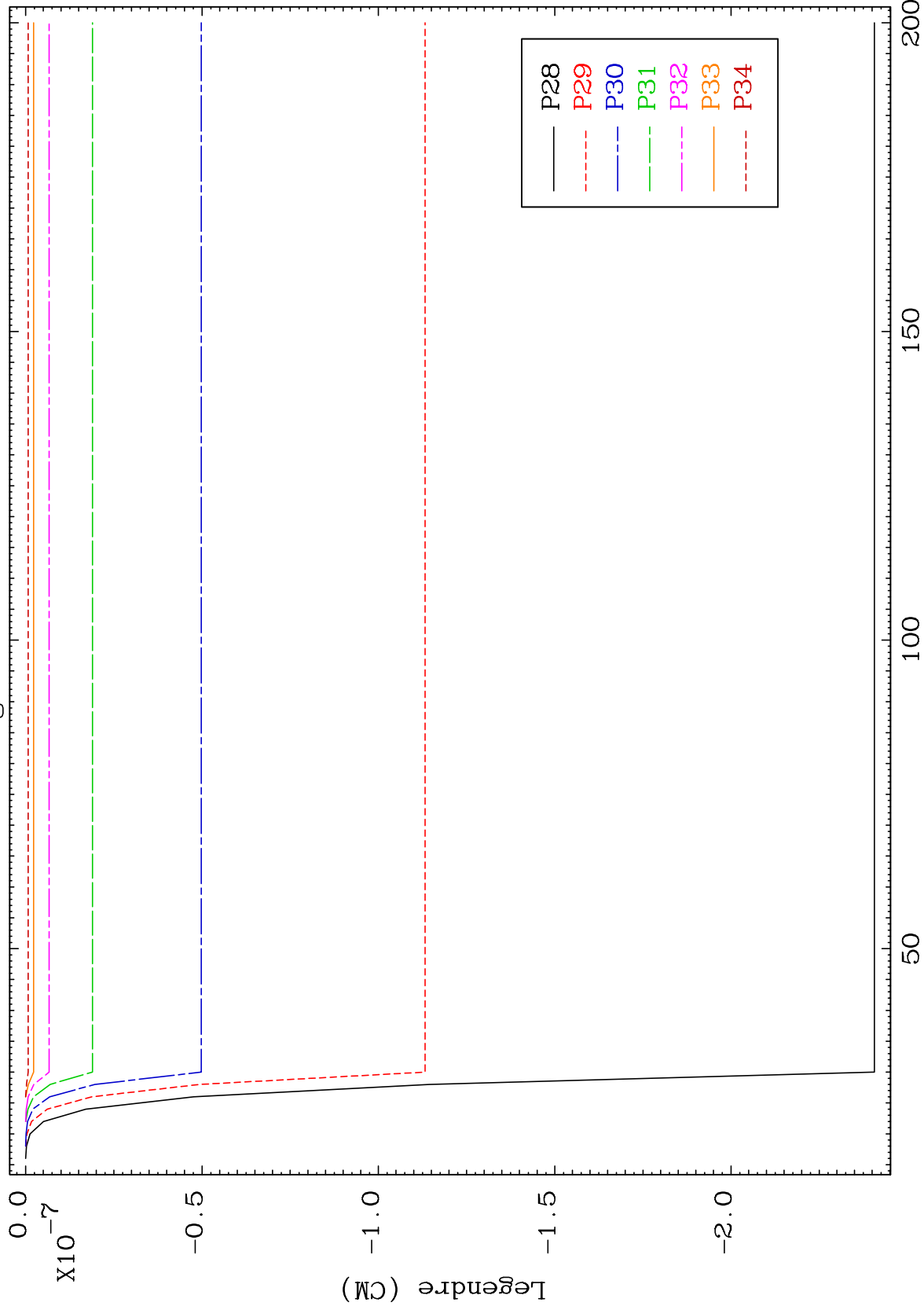
66-Dy-147

MAT 6598

MT= 57 (n,n') Level

66-Dy-147

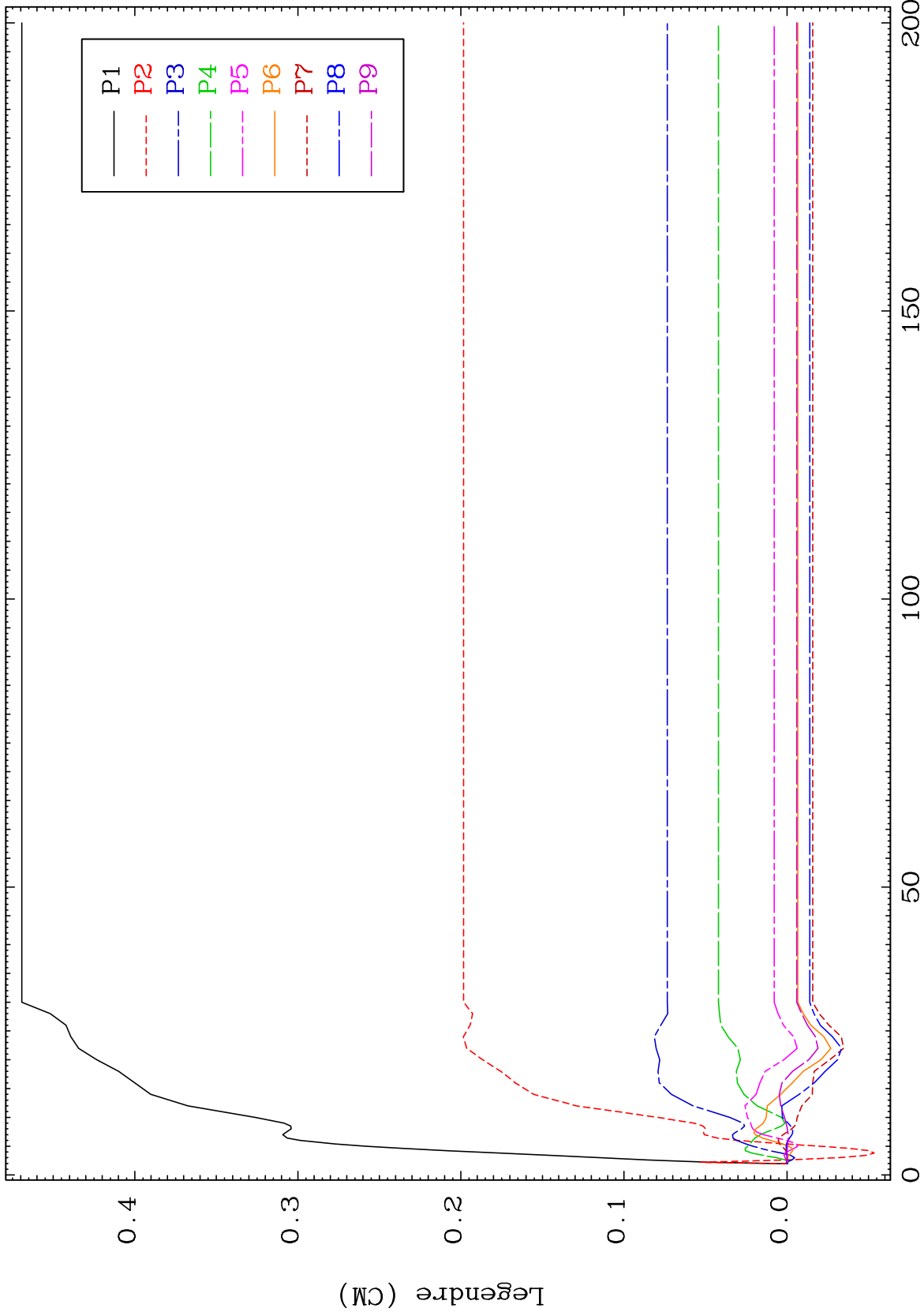
Legendre Coefficients



MAT 6598

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

66-Dy-147



66-Dy-147

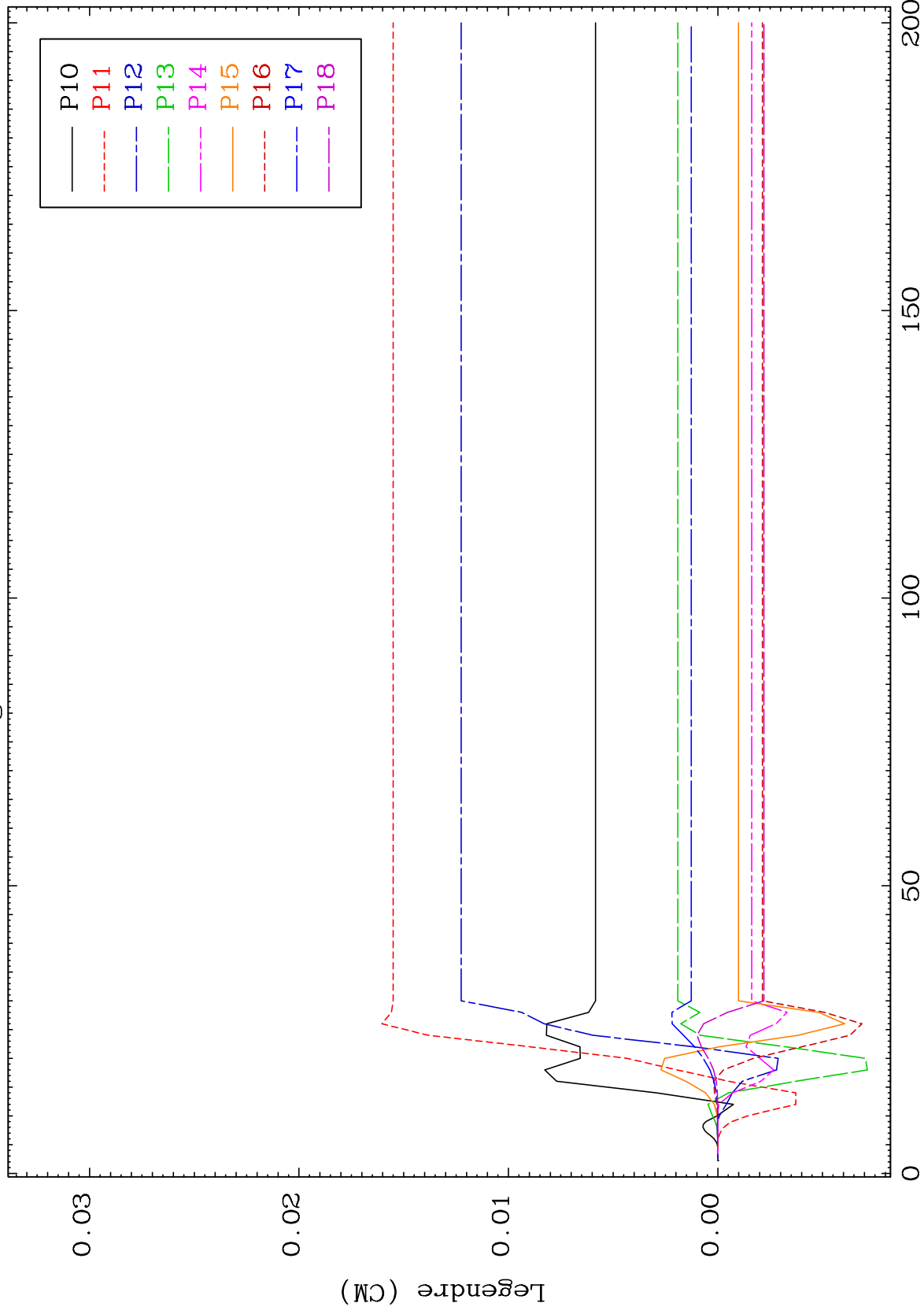
Incident Energy (MeV)

48

MAT 6598

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

66-Dy-147



49

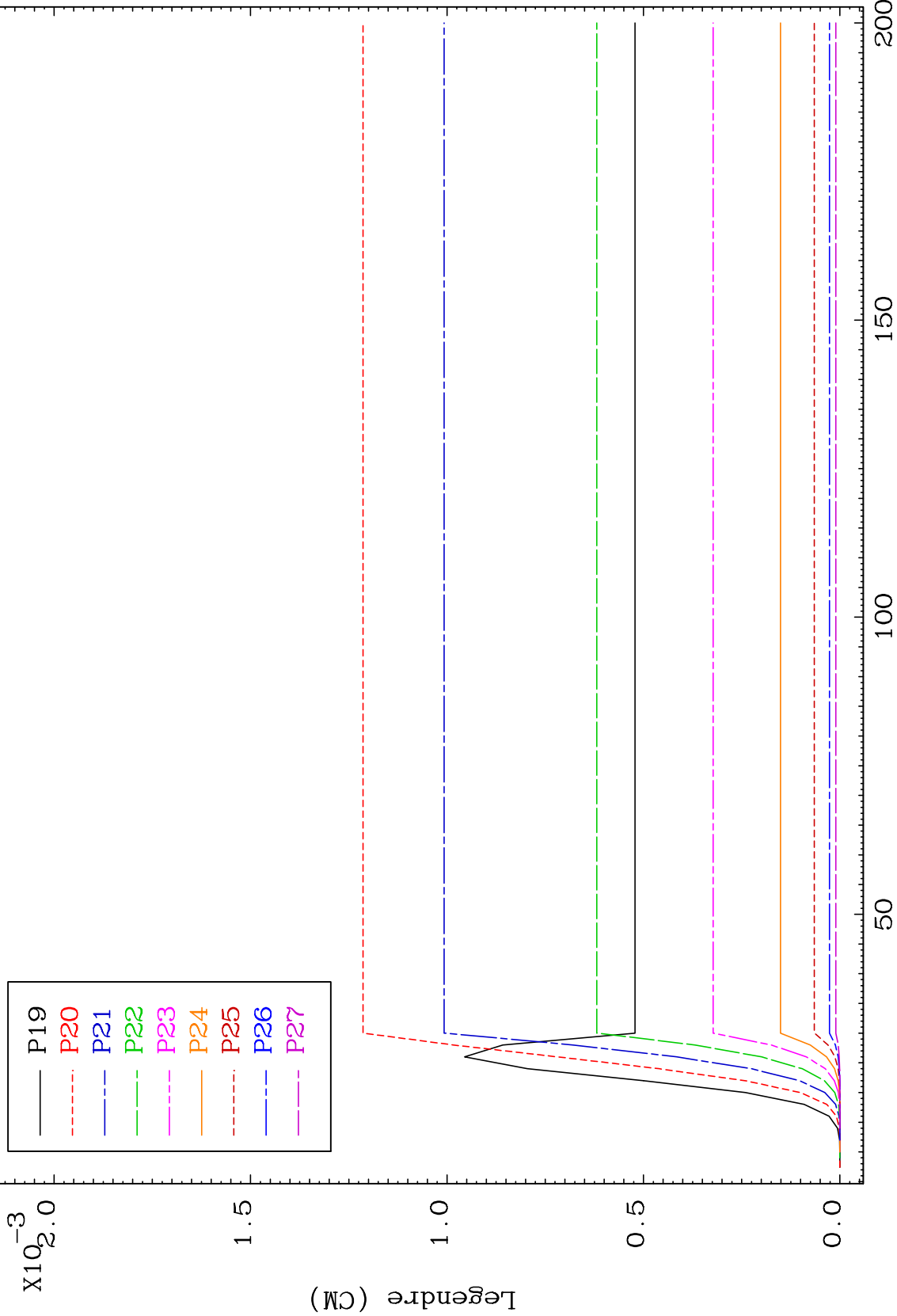
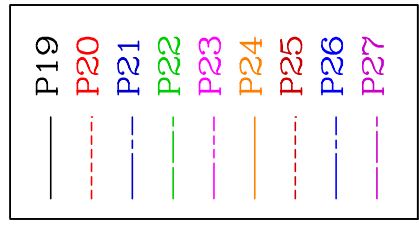
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



50

Incident Energy (MeV)

50

150

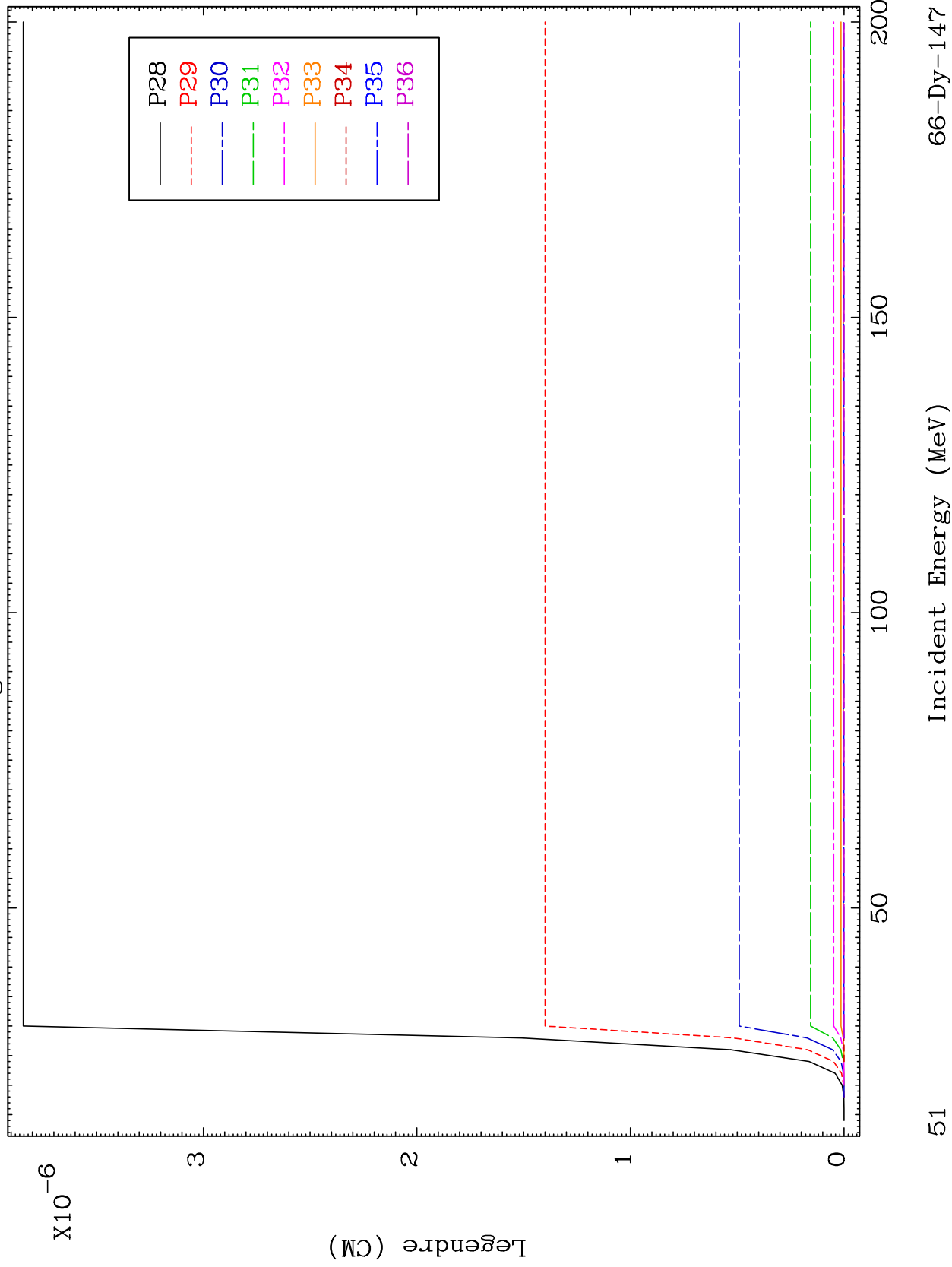
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66-Dy-147

MAT 6598

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

66-Dy-147



51

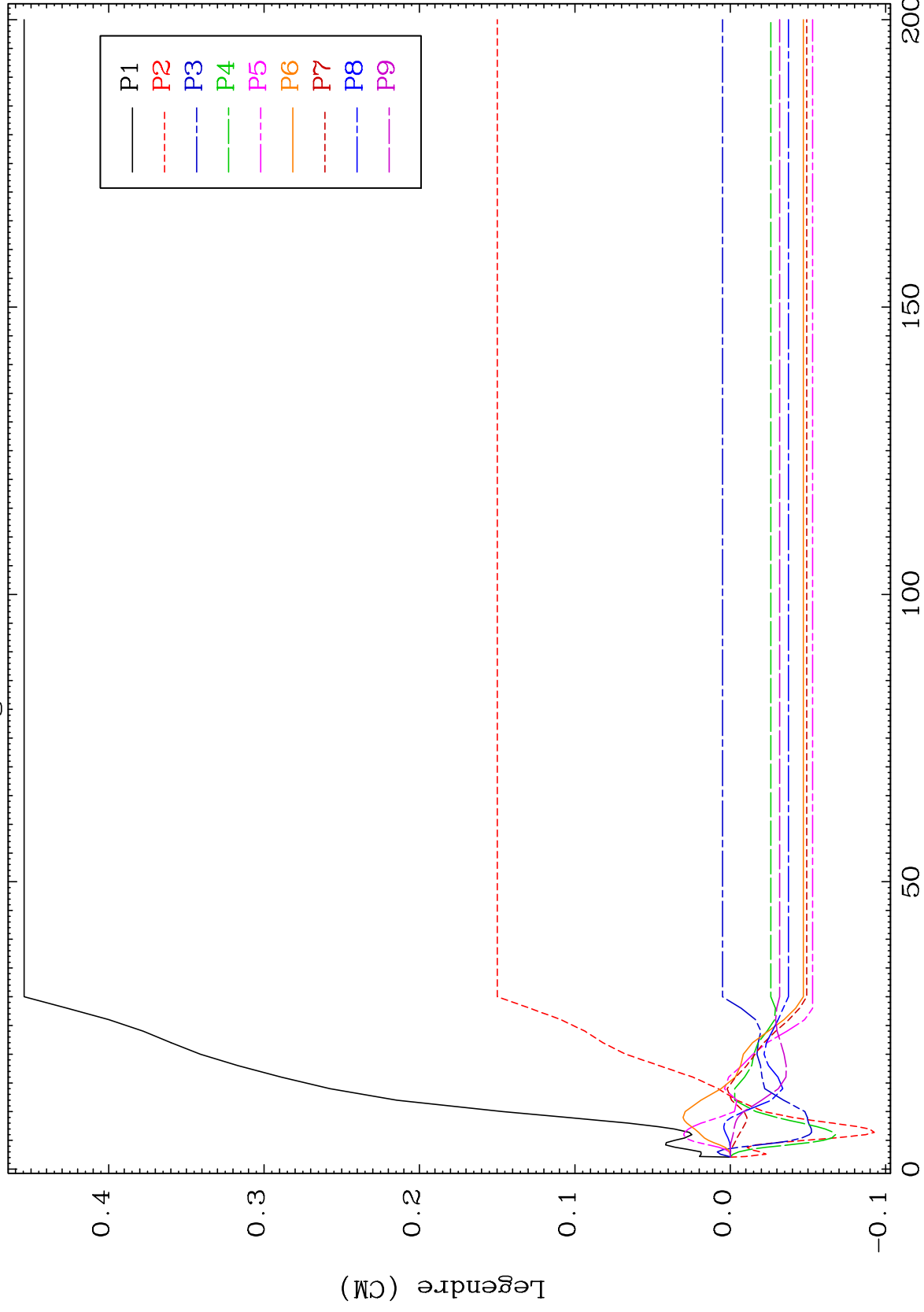
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



52

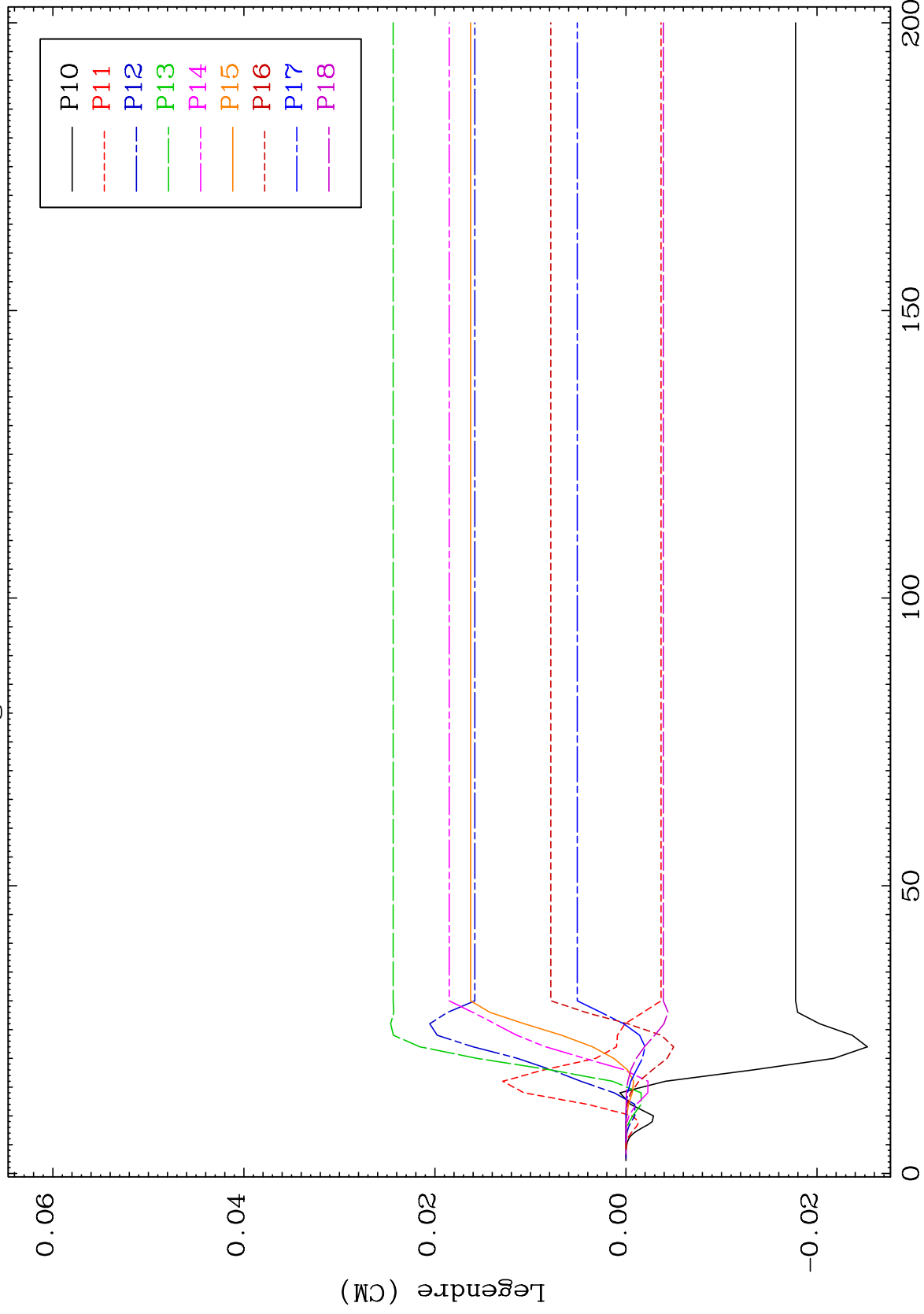
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



53

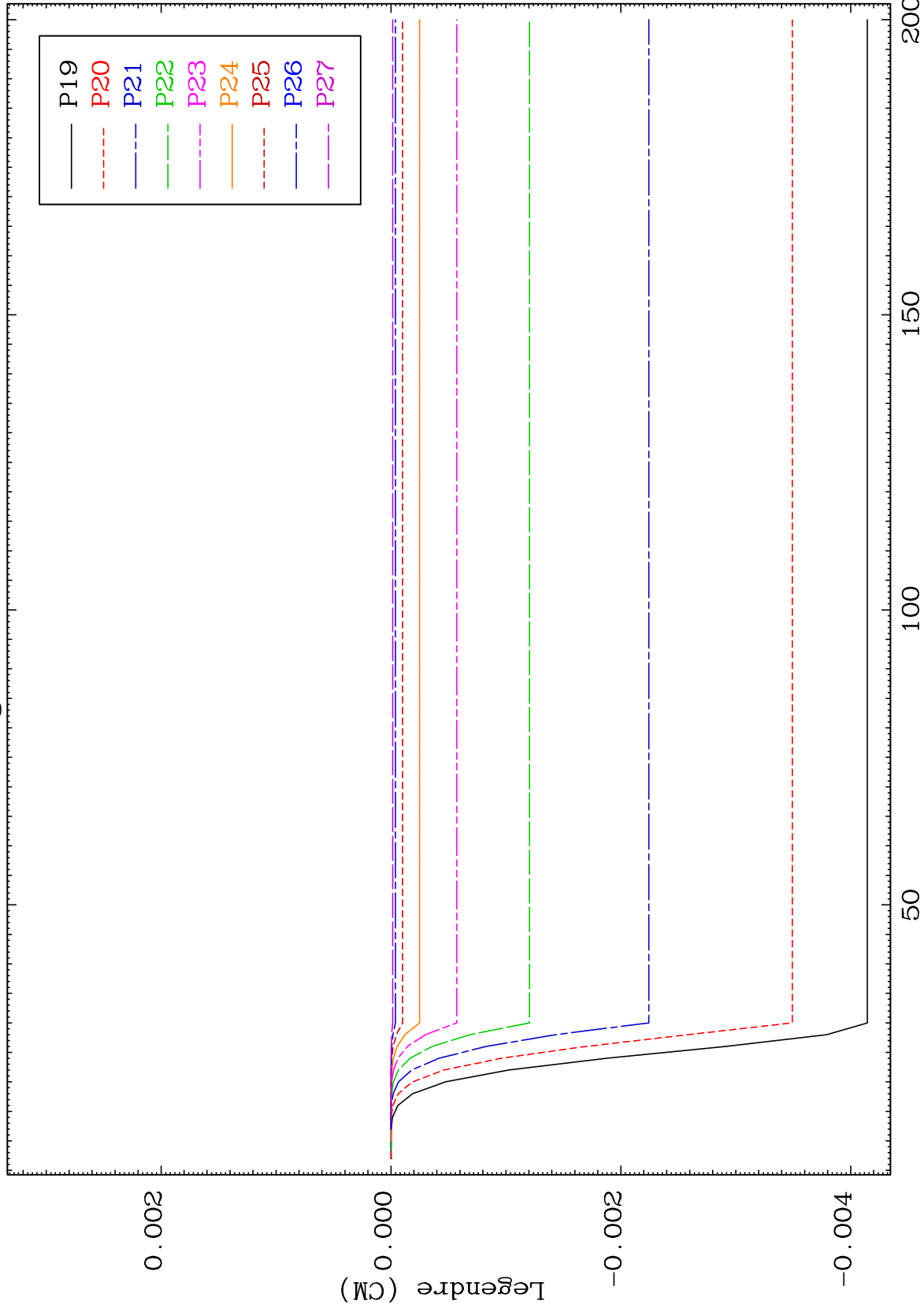
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



54

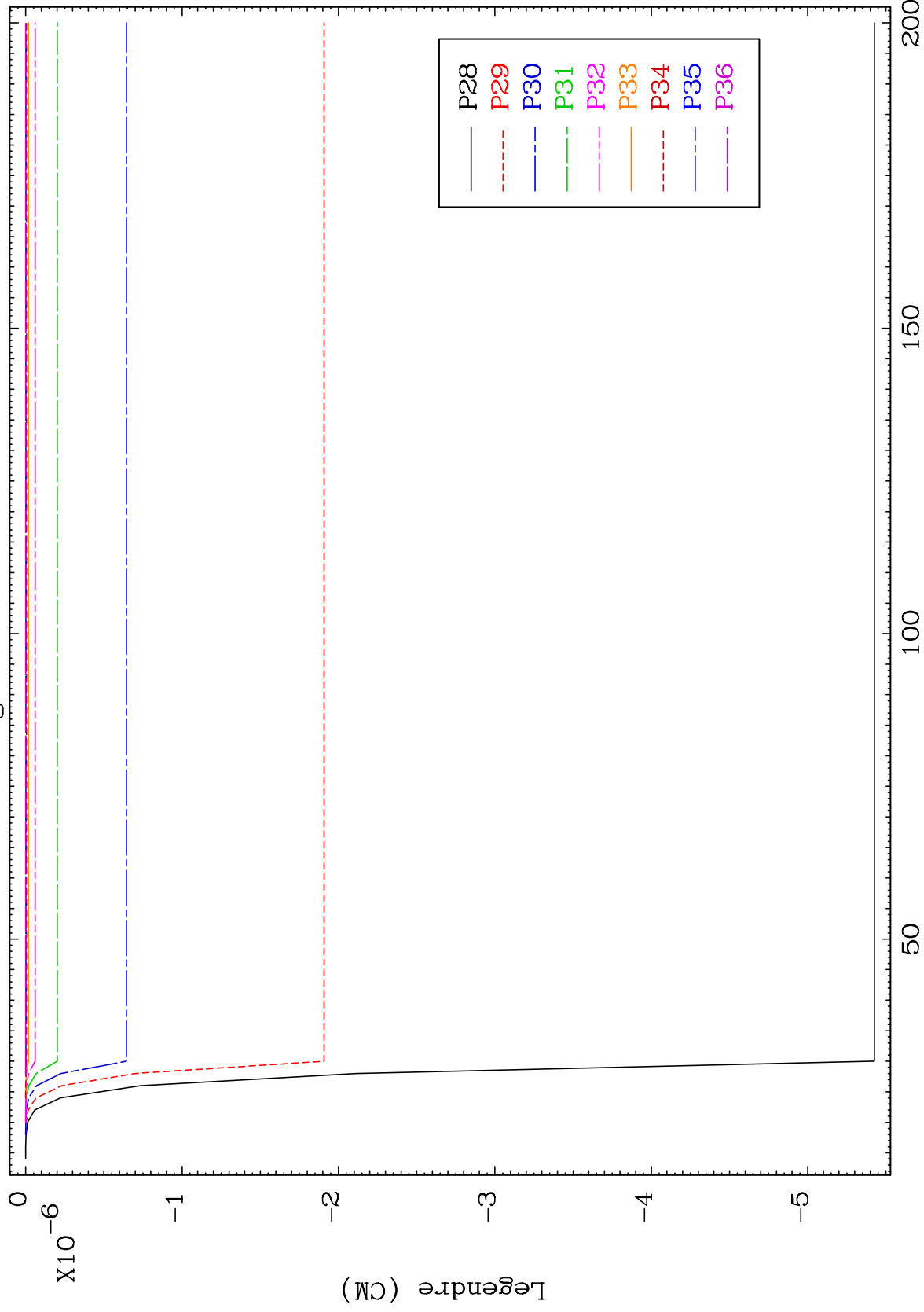
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



55

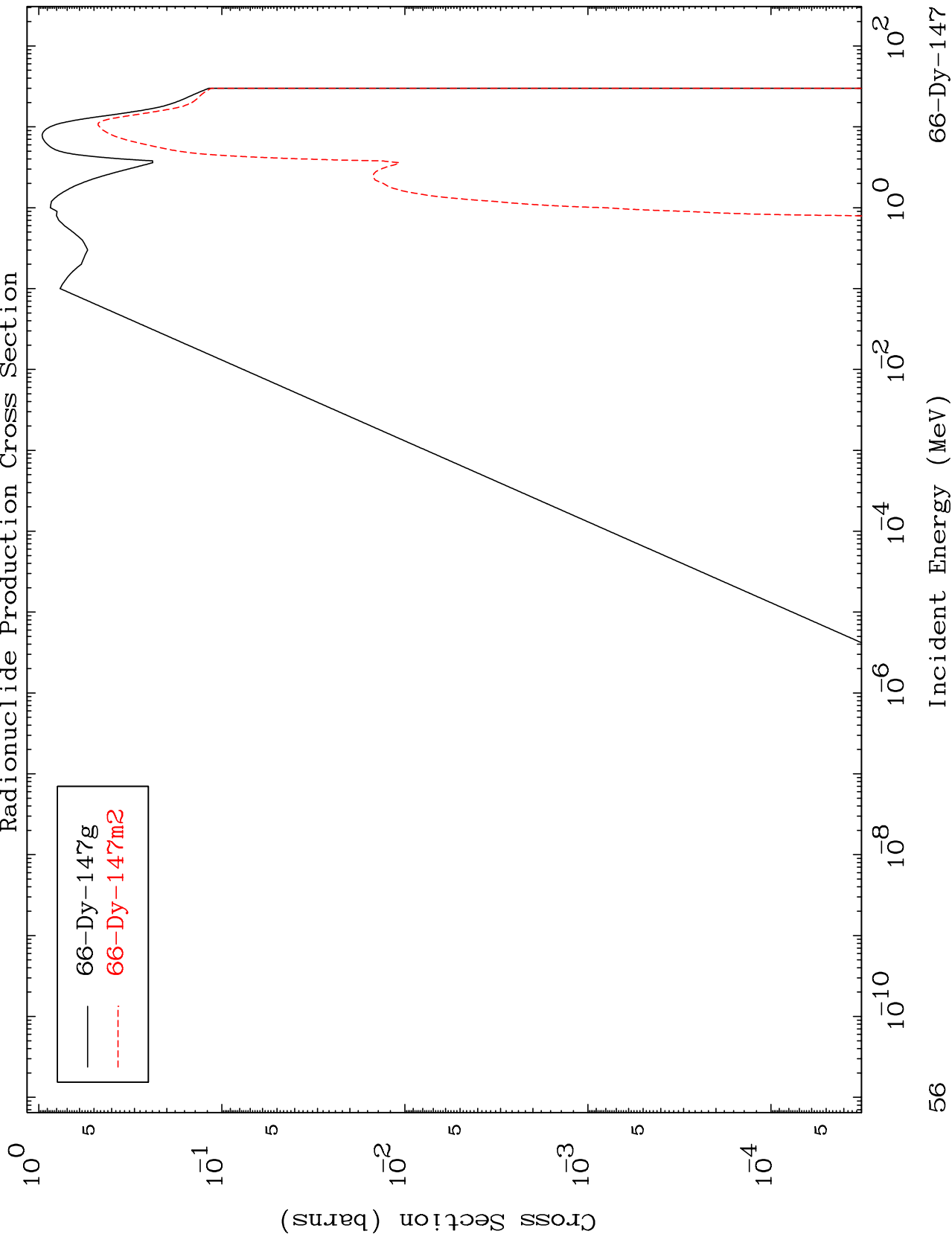
Incident Energy (MeV)

66-Dy-147

MAT 6598

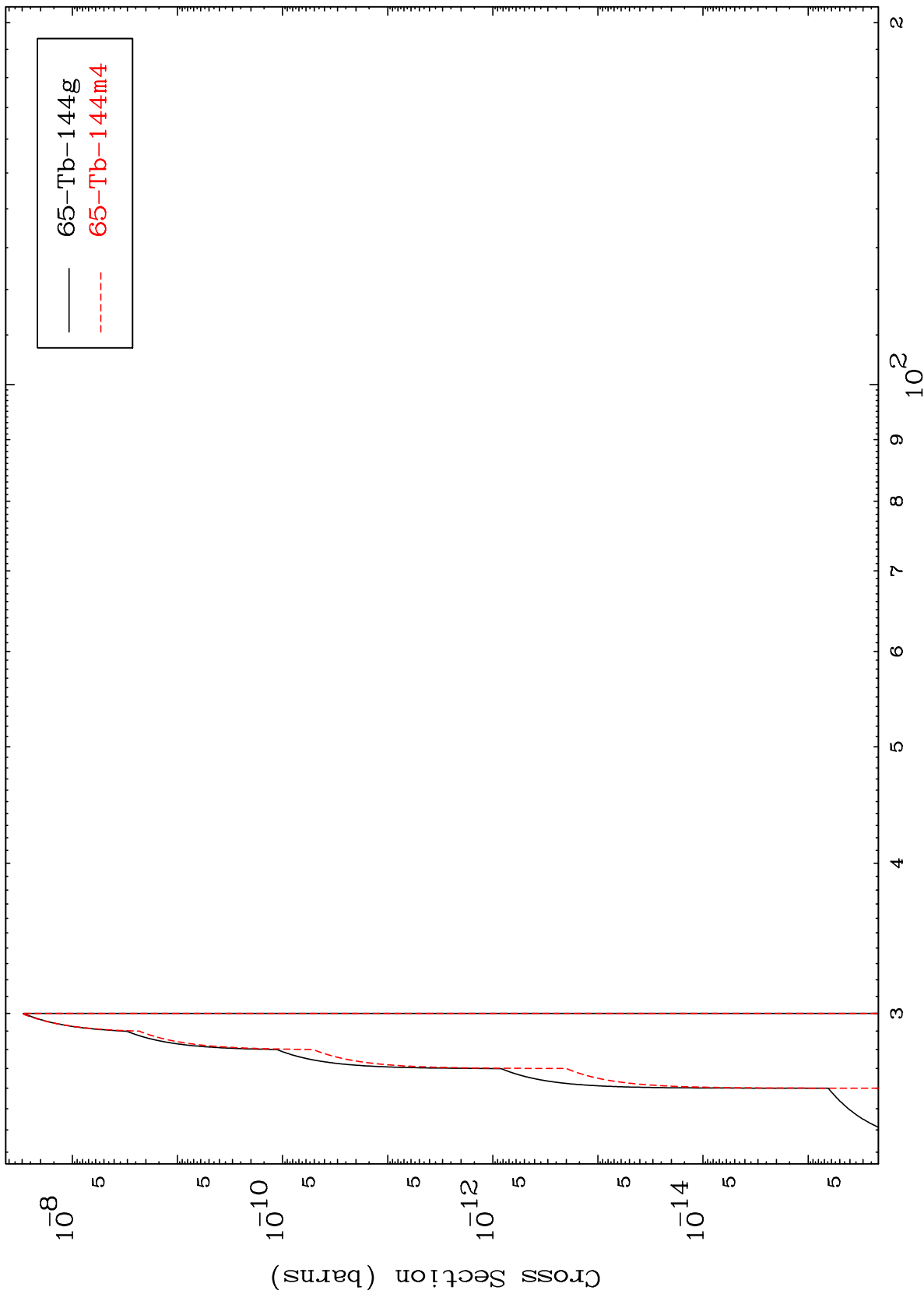
66-Dy-147

Inelastic
Radionuclide Production Cross Section



56

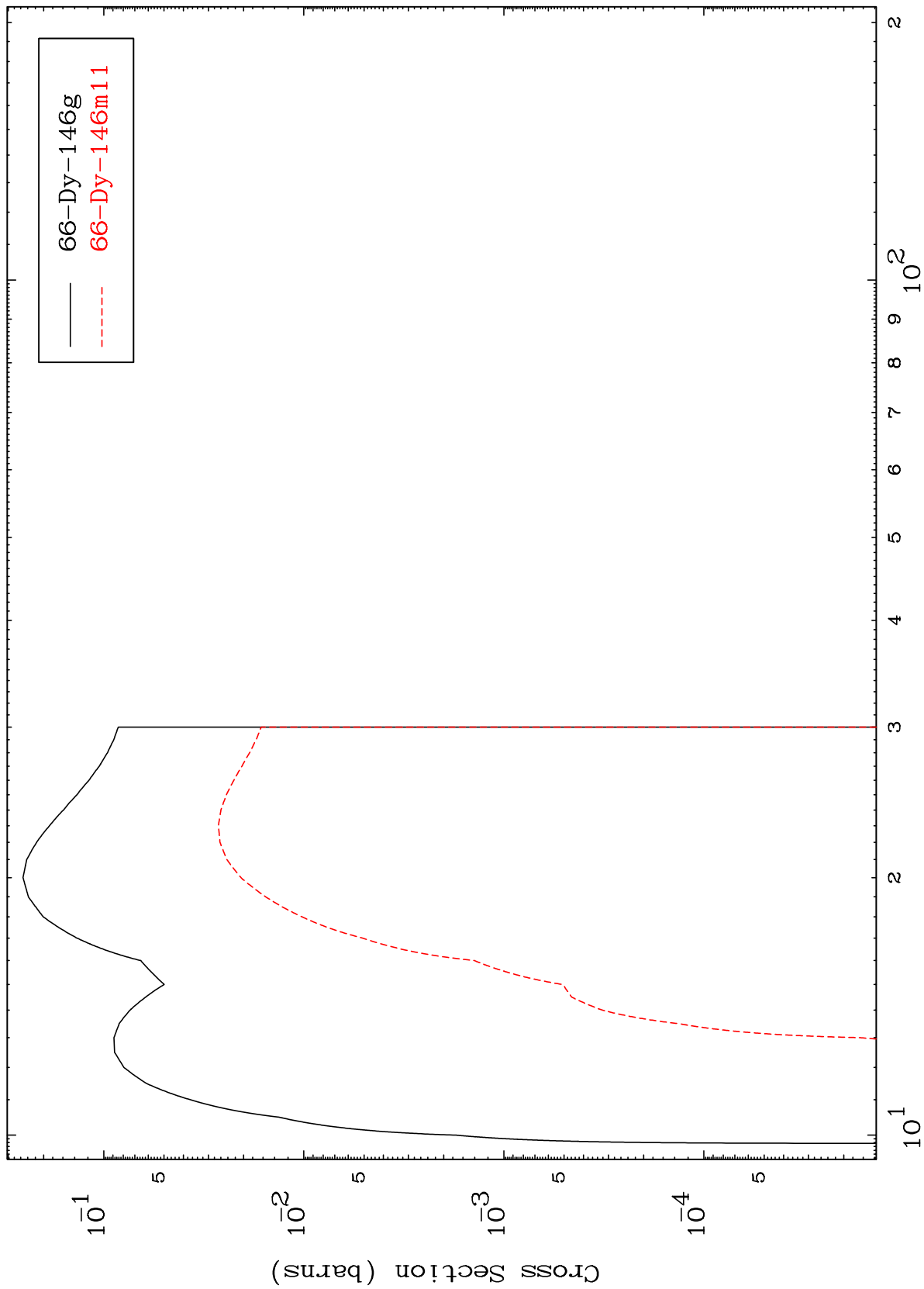
Radionuclide Production Cross Section



MAT 6598

66-Dy-147

(n,2n)
Radionuclide Production Cross Section

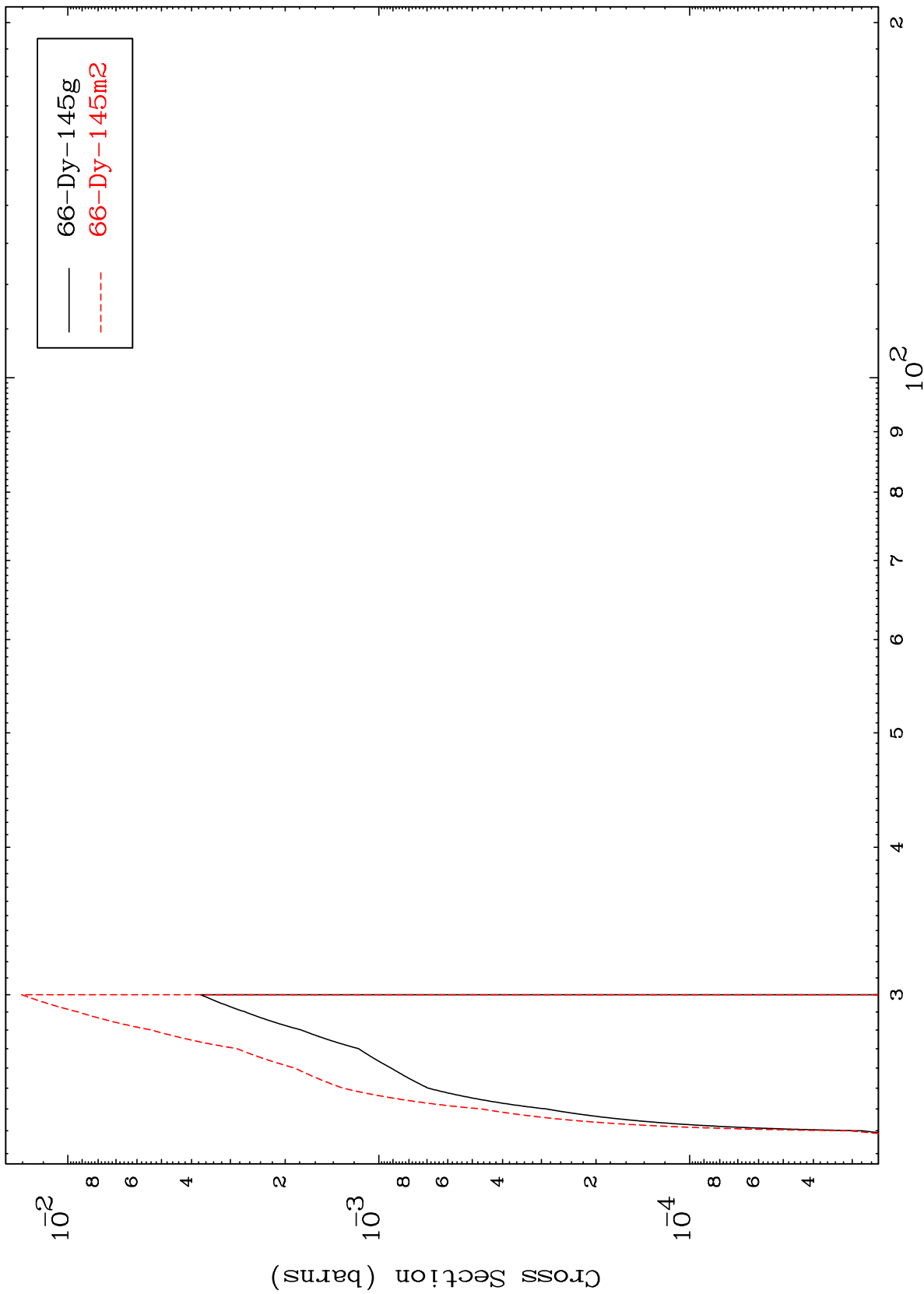


66-Dy-147

Incident Energy (MeV)

58

(n,3n)
Radionuclide Production Cross Section

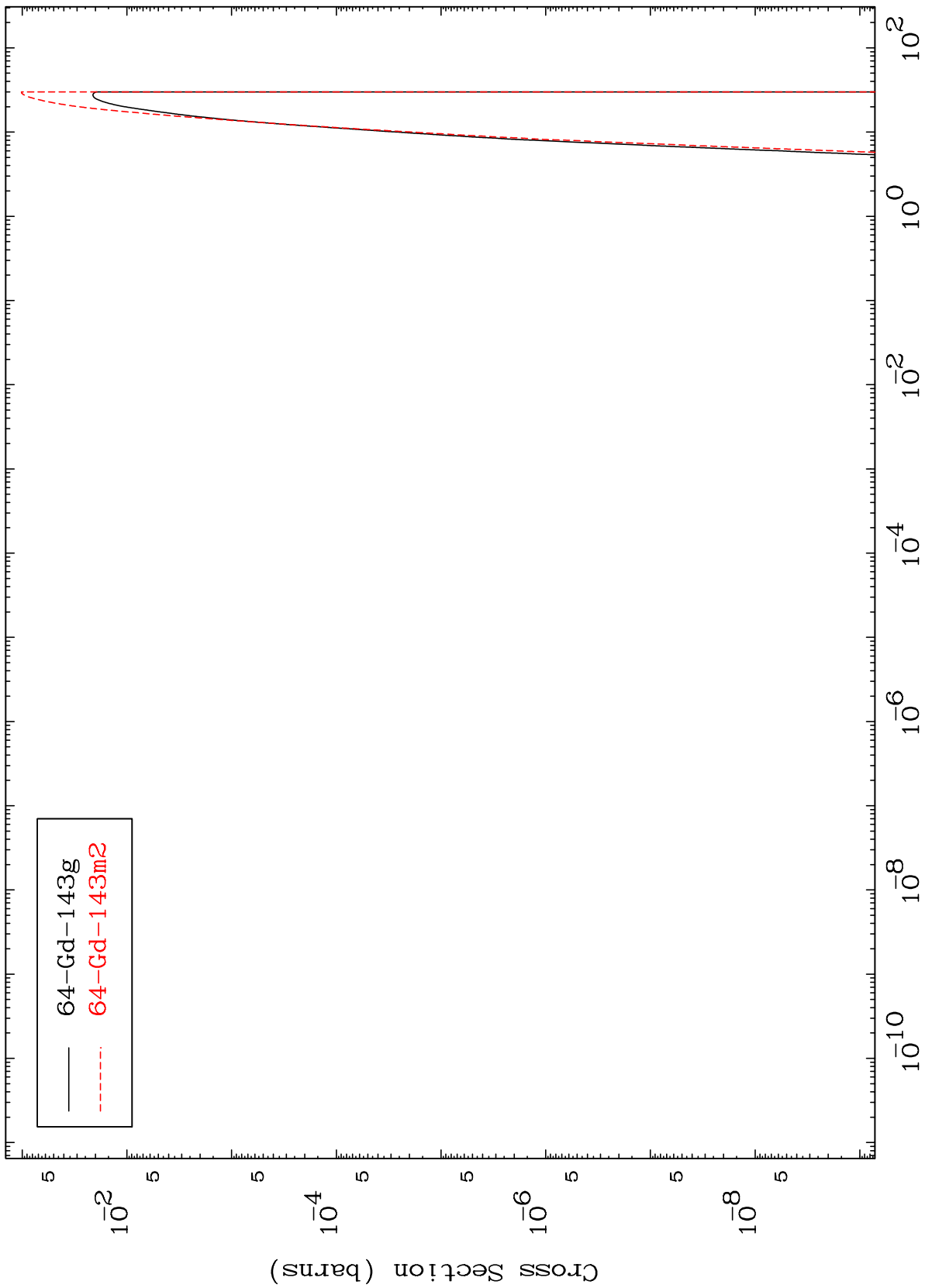


MAT 6598

(n, n') α

66-Dy-147

Radionuclide Production Cross Section



60

Incident Energy (MeV)

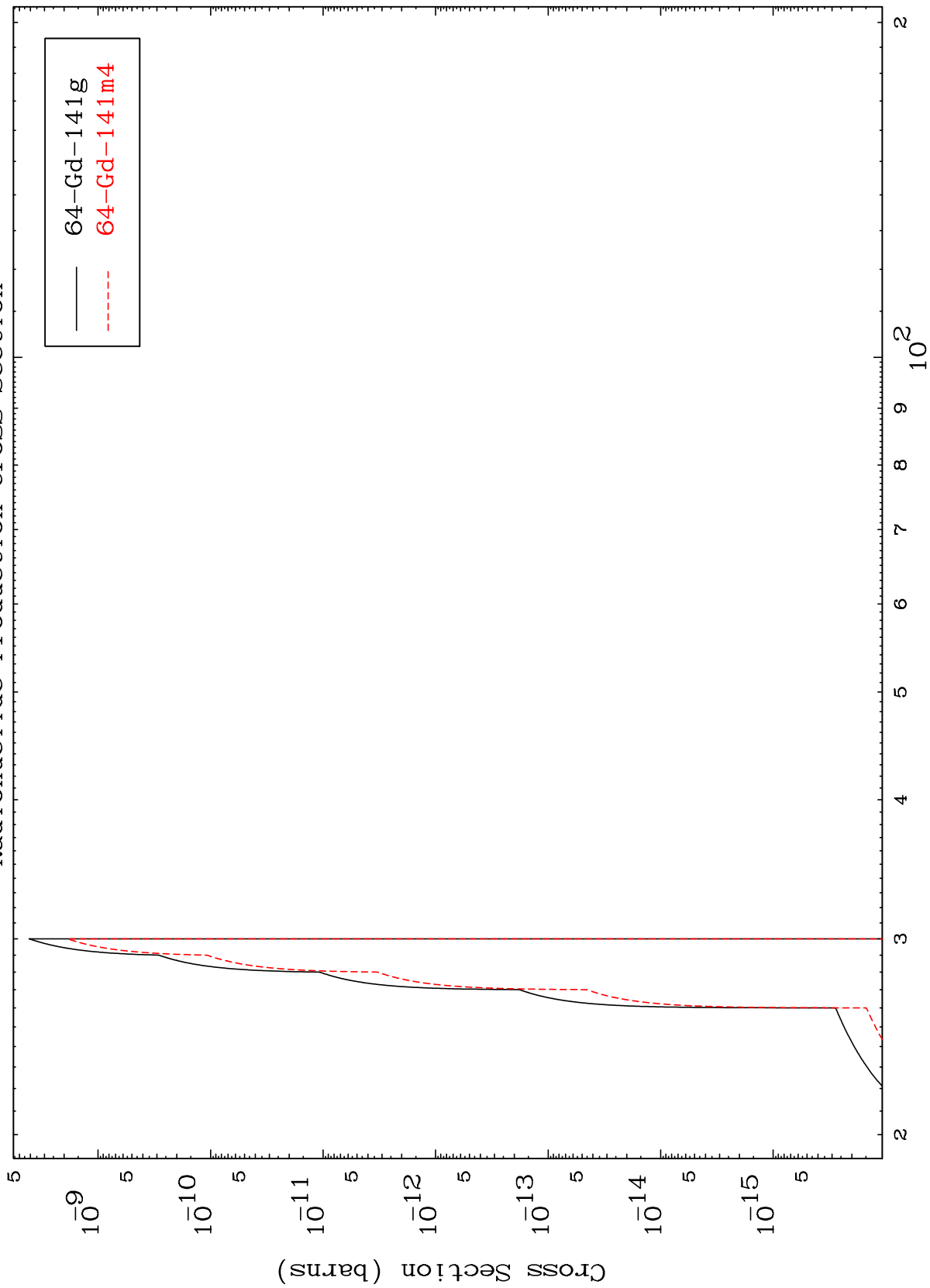
66-Dy-147

MAT 6598

(n,3n) α

66-Dy-147

Radionuclide Production Cross Section



61

Incident Energy (MeV)

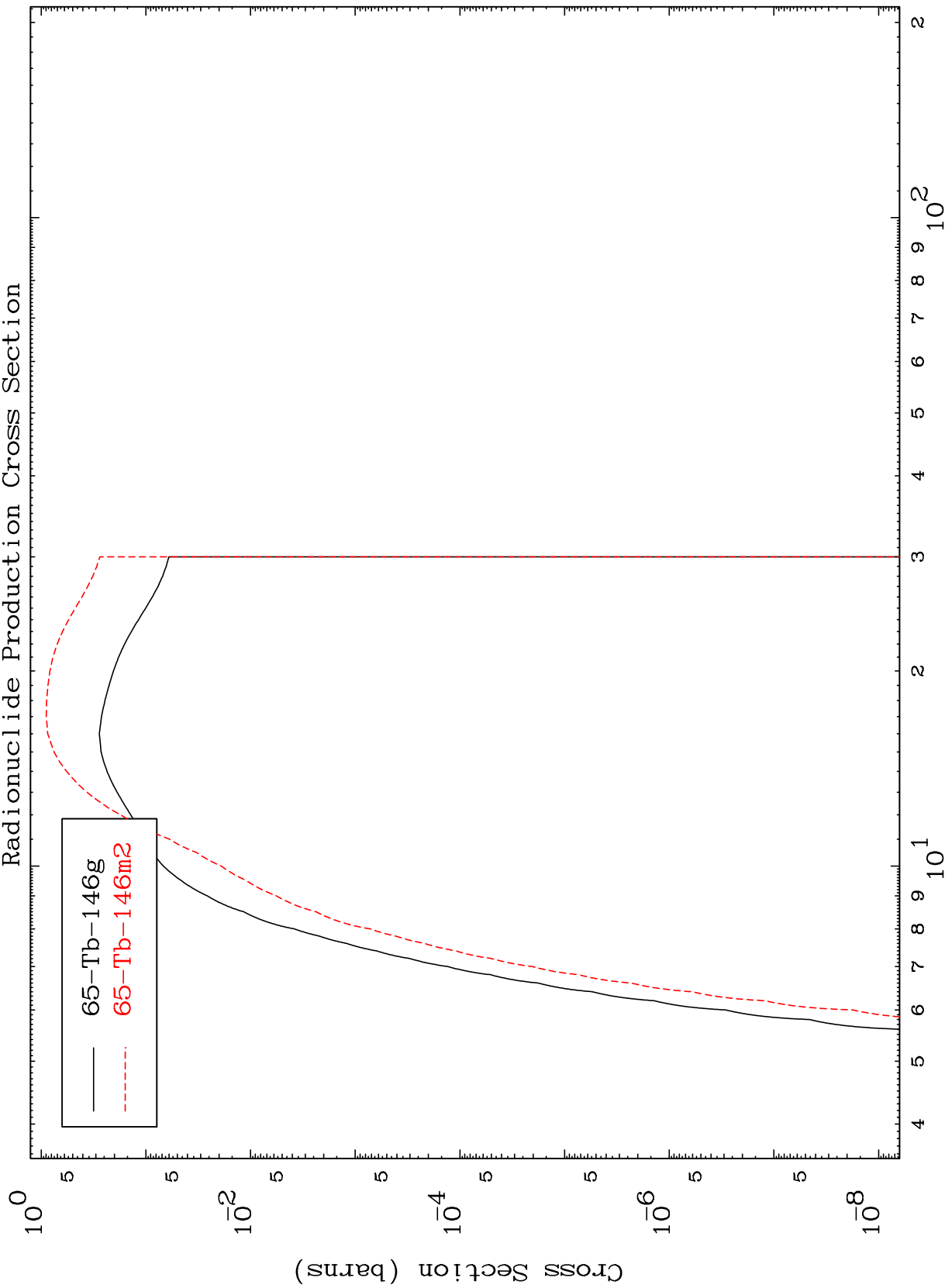
66-Dy-147

MAT 6598

(n,n') p

66-Dy-147

Radionuclide Production Cross Section



62

Incident Energy (MeV)

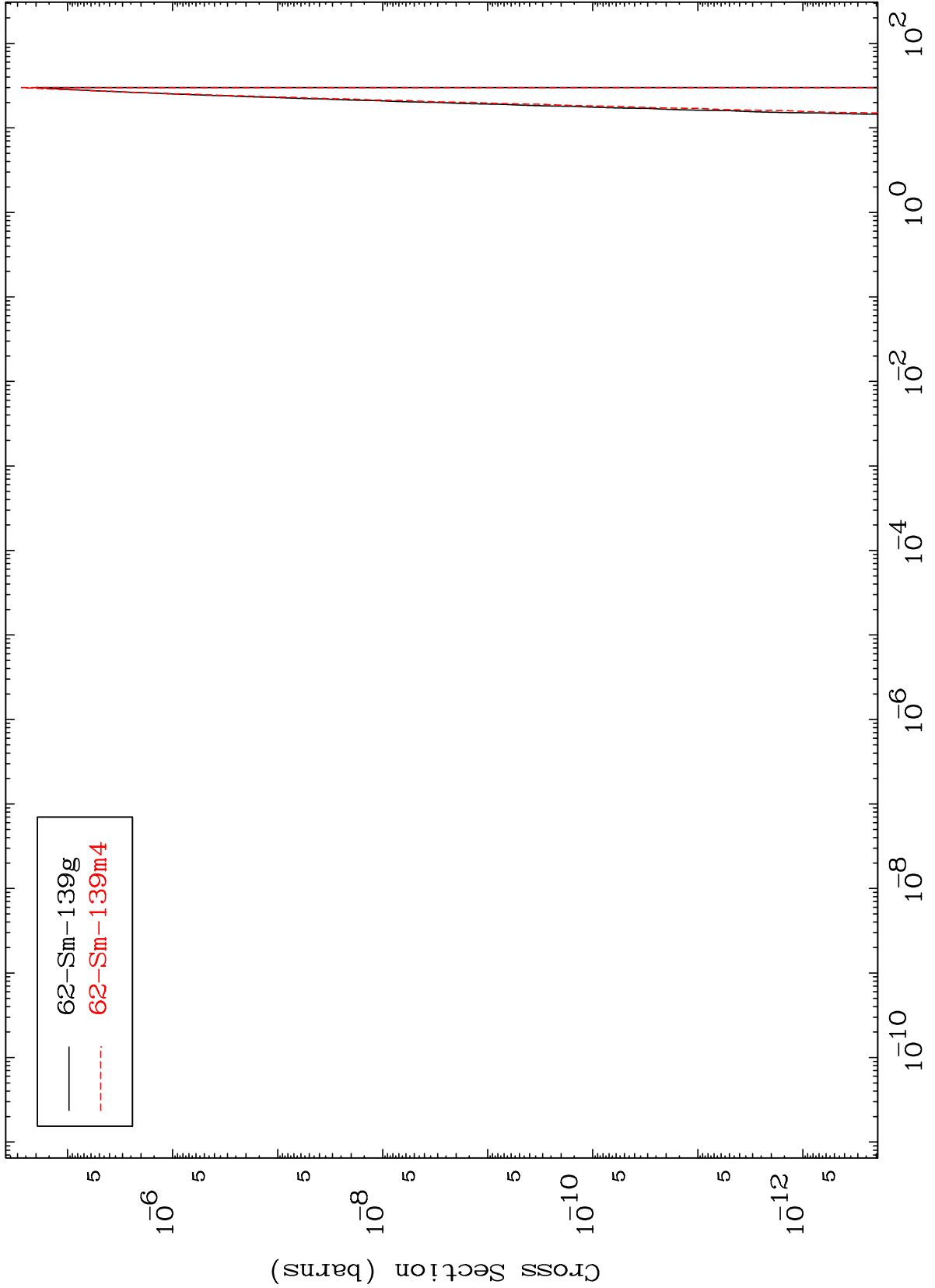
66-Dy-147

MAT 6598

(n,n') 2 α

66-Dy-147

Radionuclide Production Cross Section



63

Incident Energy (MeV)

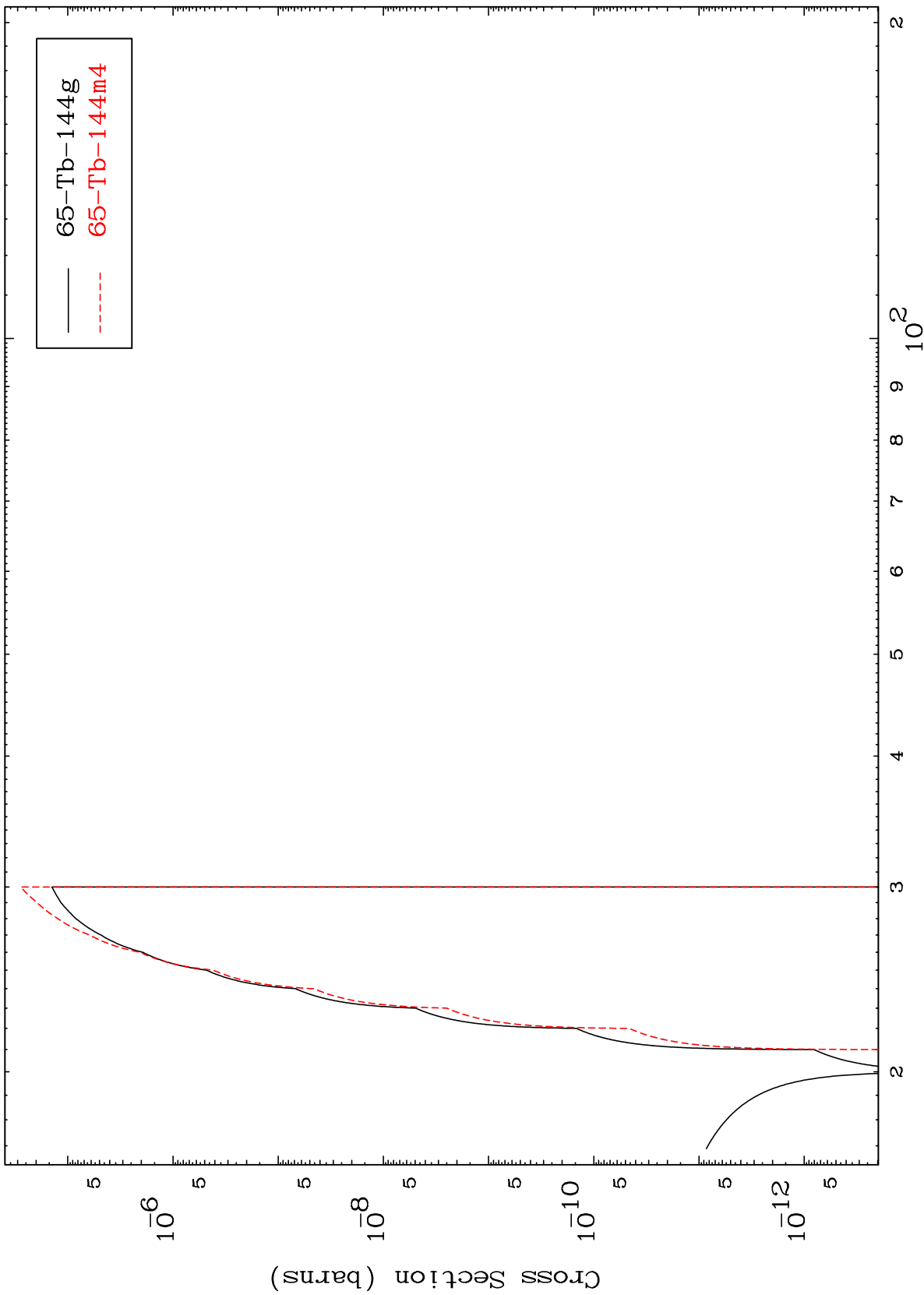
66-Dy-147

MAT 6598

(n,n') t

66-Dy-147

Radionuclide Production Cross Section



64

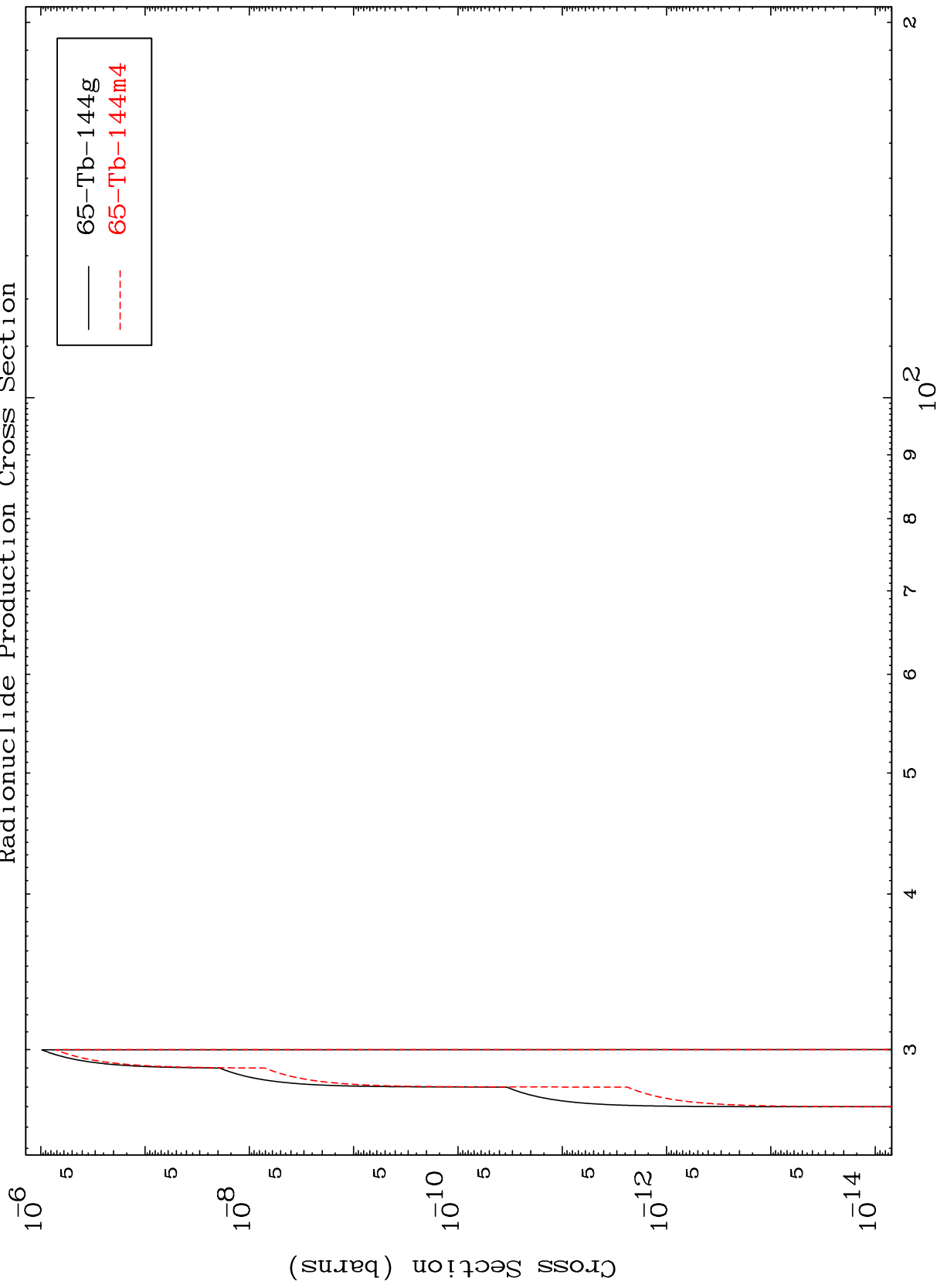
Incident Energy (MeV)

66-Dy-147

MAT 6598

66-Dy-147

(n,3n) p
Radionuclide Production Cross Section



66

Incident Energy (MeV)

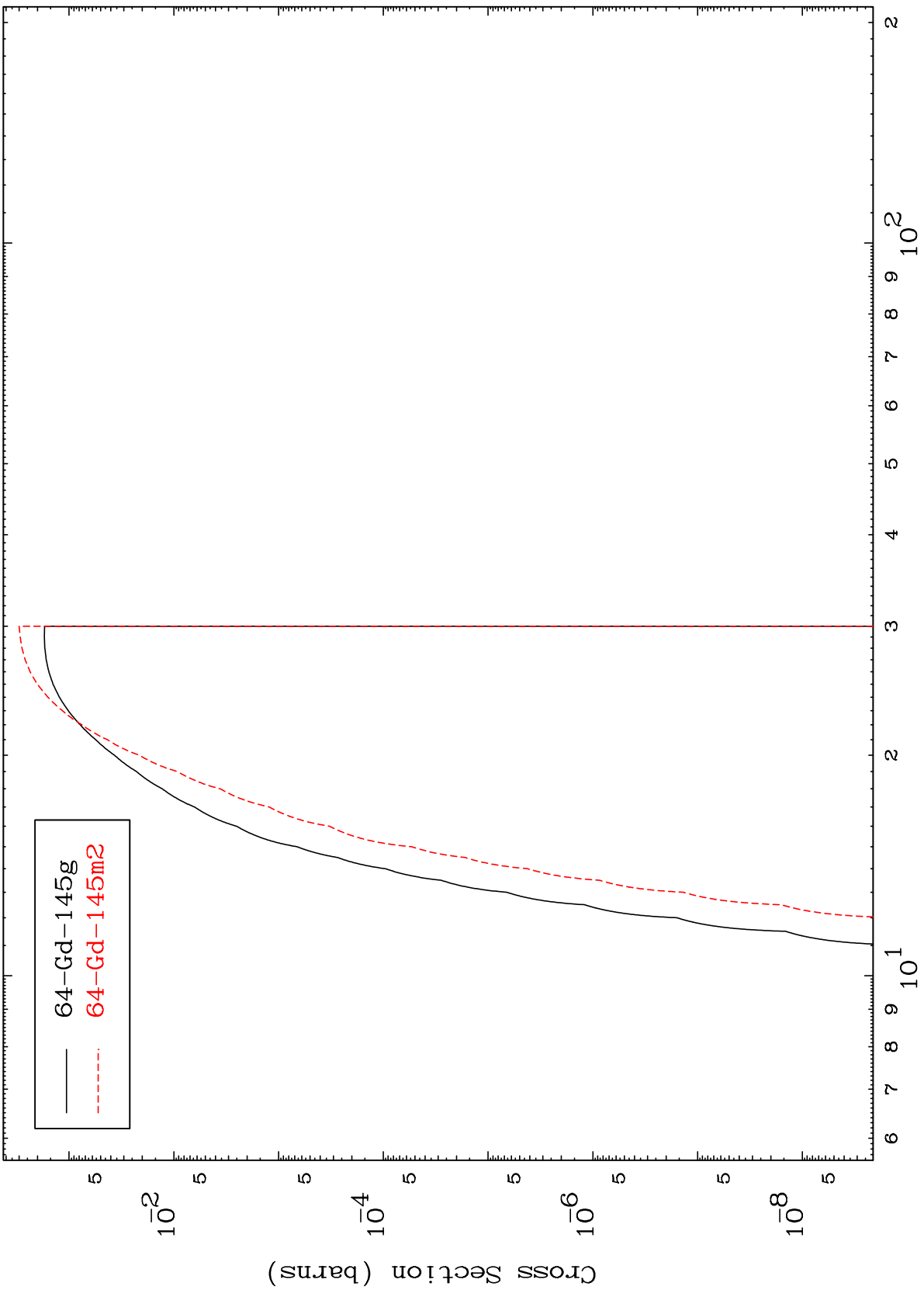
66-Dy-147

MAT 6598

(n,2n) p

66-Dy-147

Radionuclide Production Cross Section



64-Gd-145g
64-Gd-145m2

66

Incident Energy (MeV)

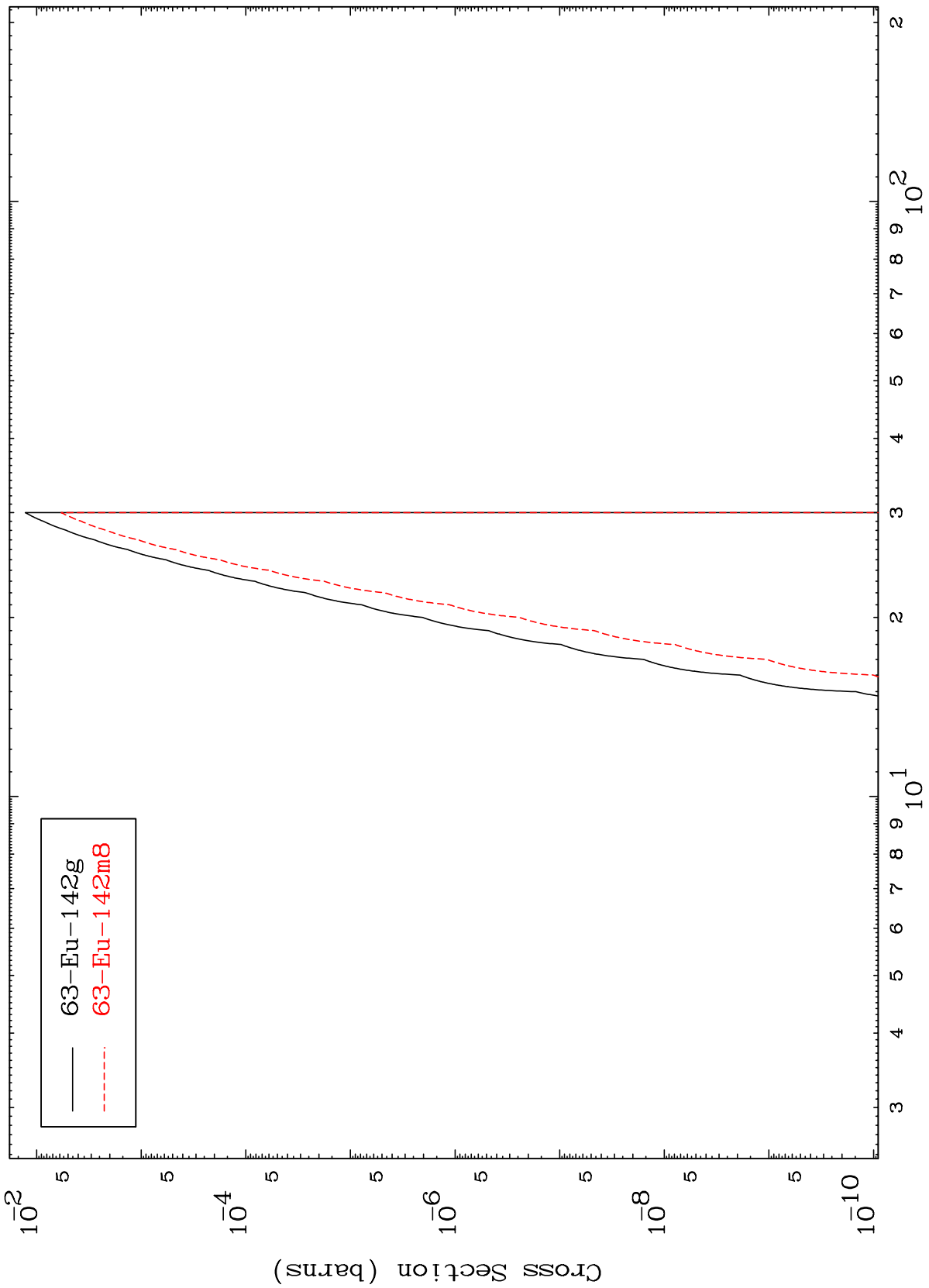
66-Dy-147

MAT 6598

(n,n') p α

66-Dy-147

Radionuclide Production Cross Section



67

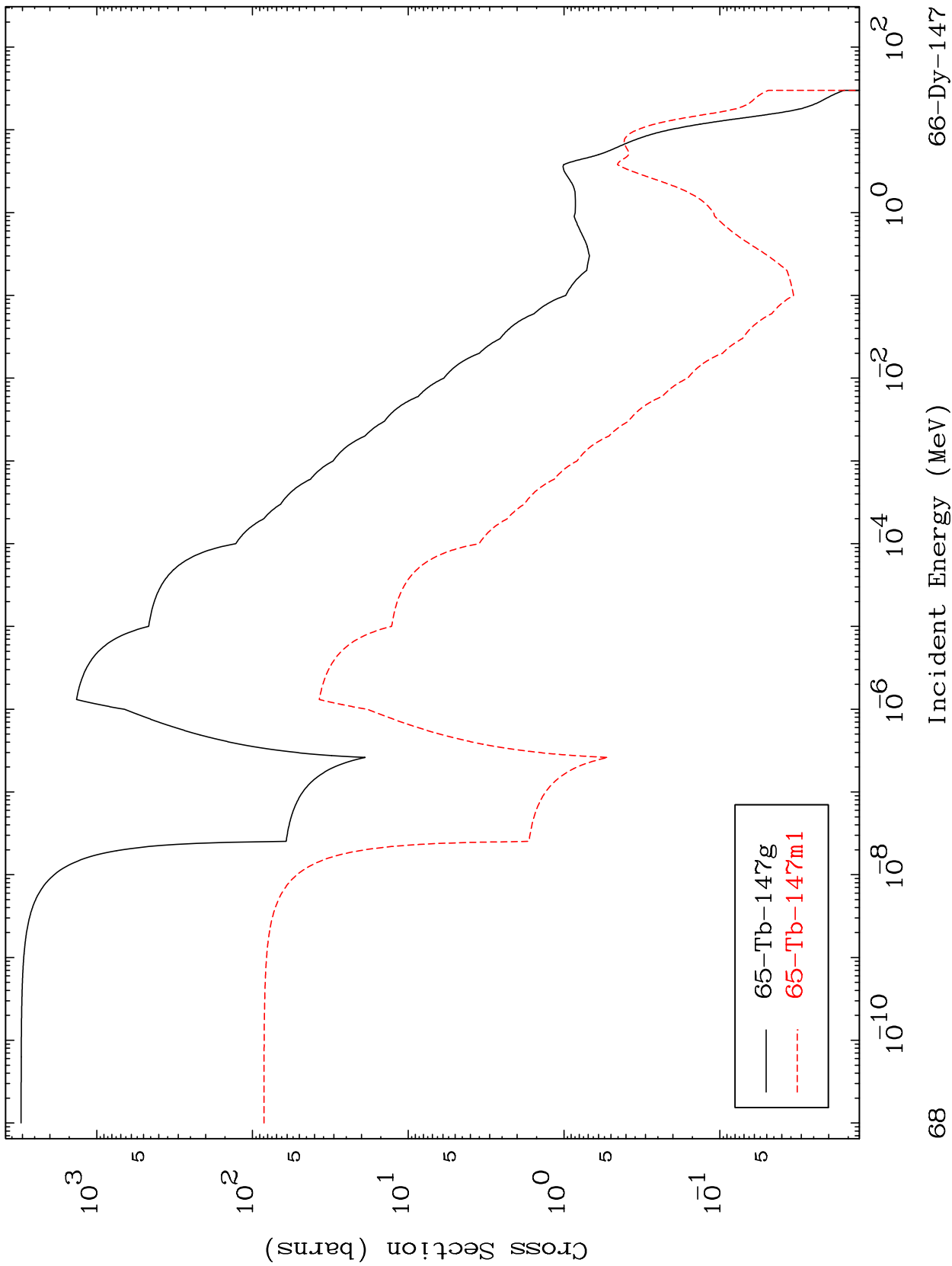
Incident Energy (MeV)

66-Dy-147

MAT 6598

66-Dy-147

(n,p)
Radionuclide Production Cross Section



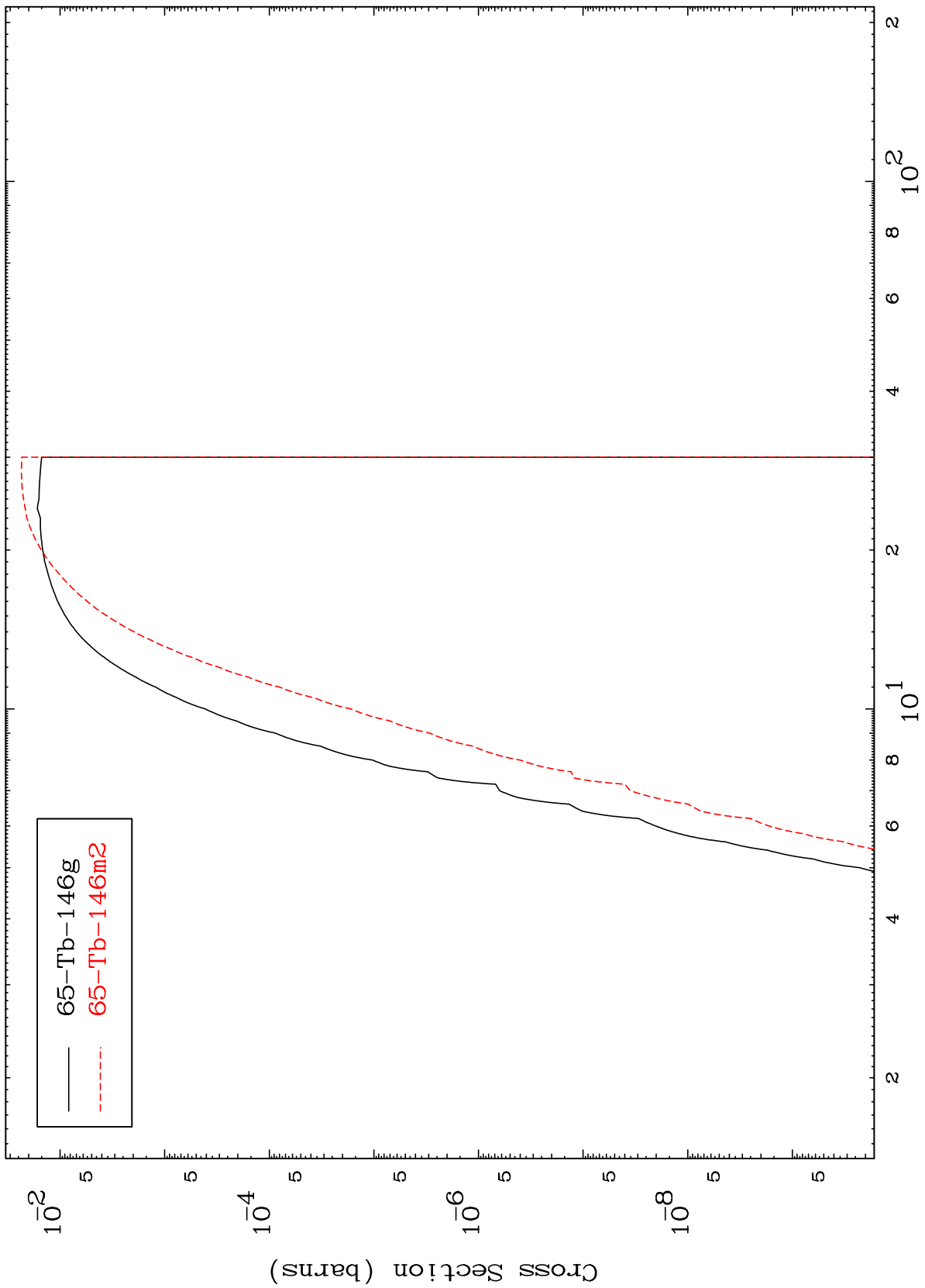
68

66-Dy-147

MAT 6598

66-Dy-147

(n,d)
Radionuclide Production Cross Section



69

66-Dy-147

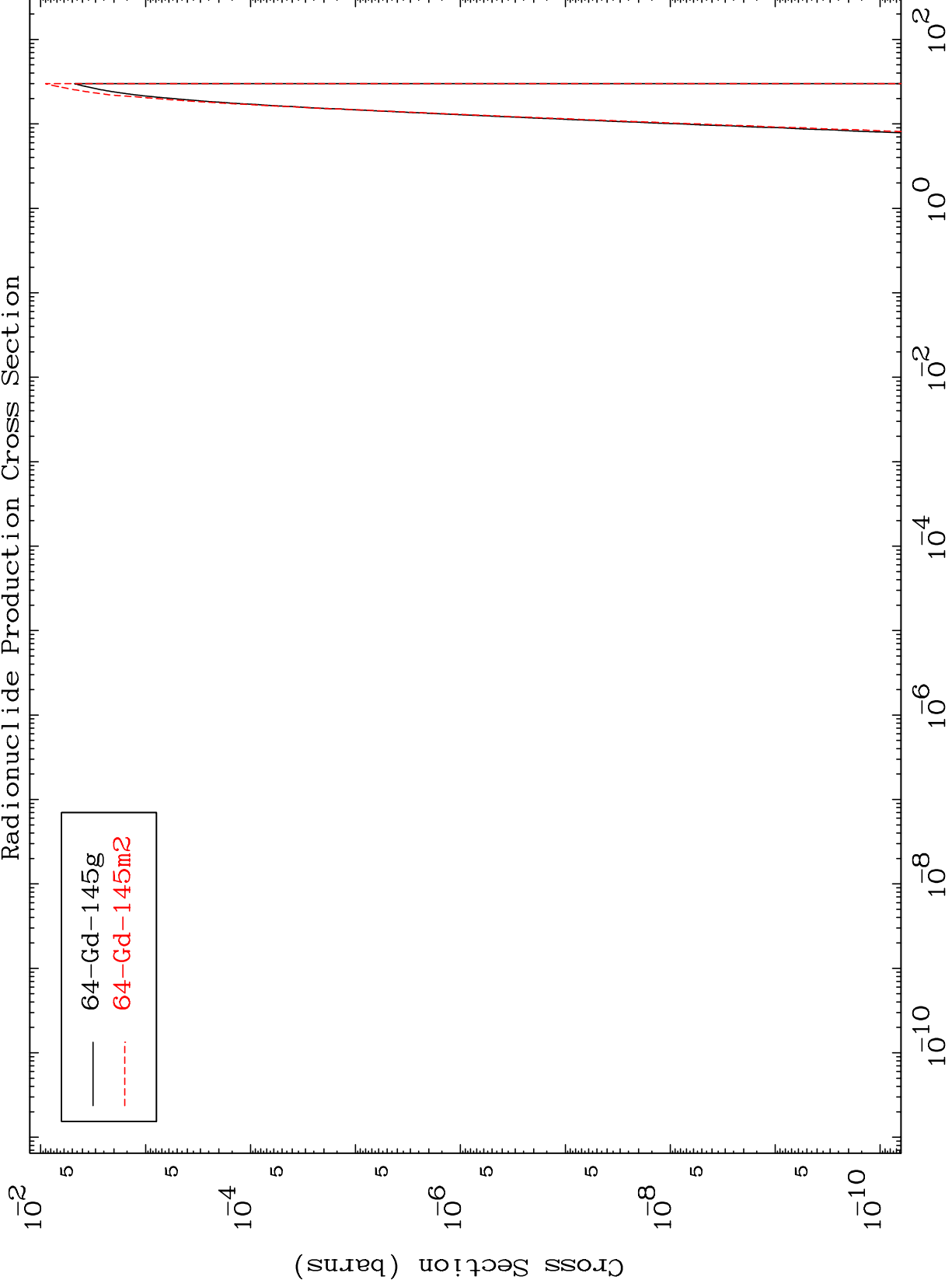
Incident Energy (MeV)

MAT 6598

(n,He-3)

66-Dy-147

Radionuclide Production Cross Section



70

Incident Energy (MeV)

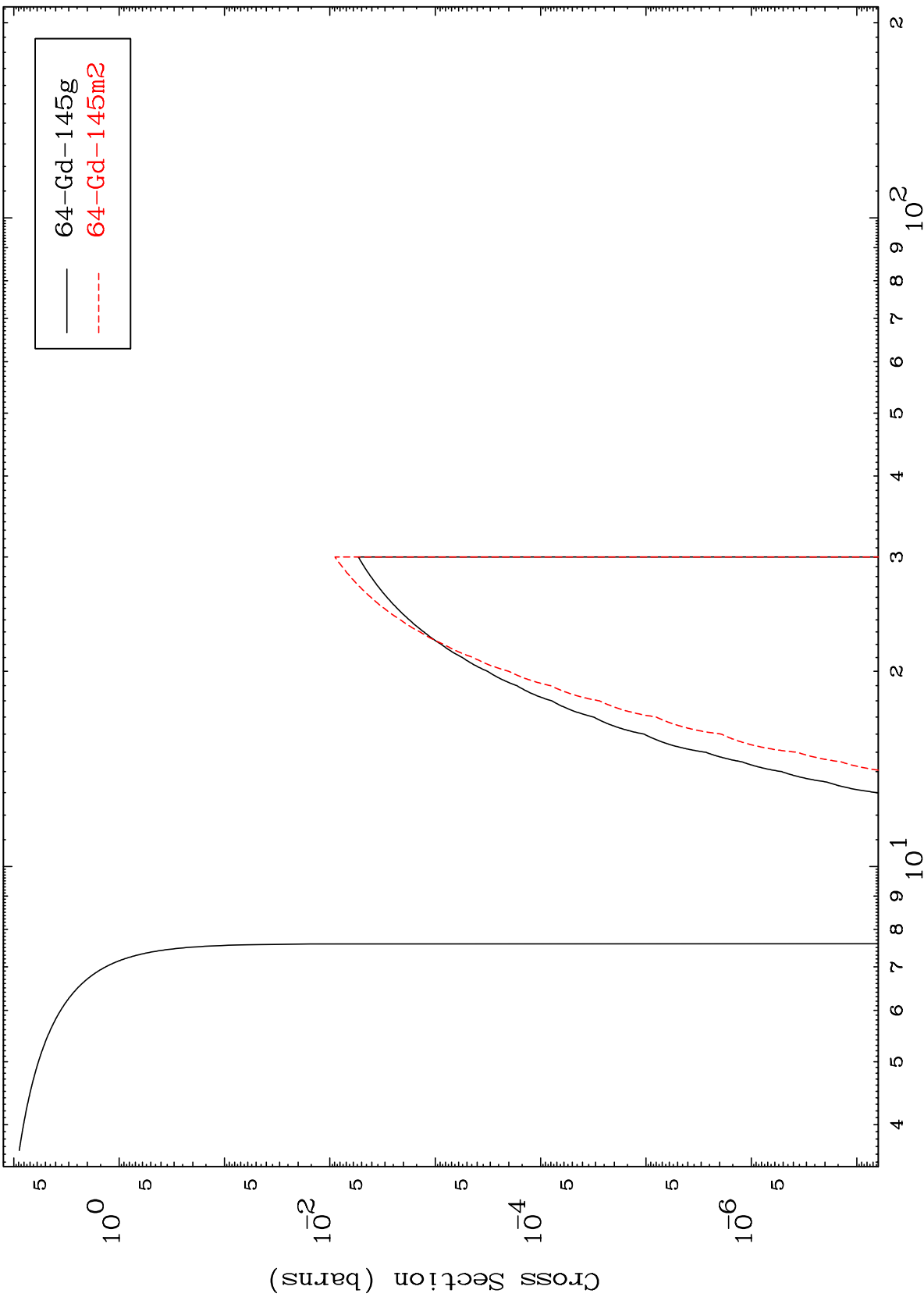
66-Dy-147

MAT 6598

(n,p) d

66-Dy-147

Radionuclide Production Cross Section



71

Incident Energy (MeV)

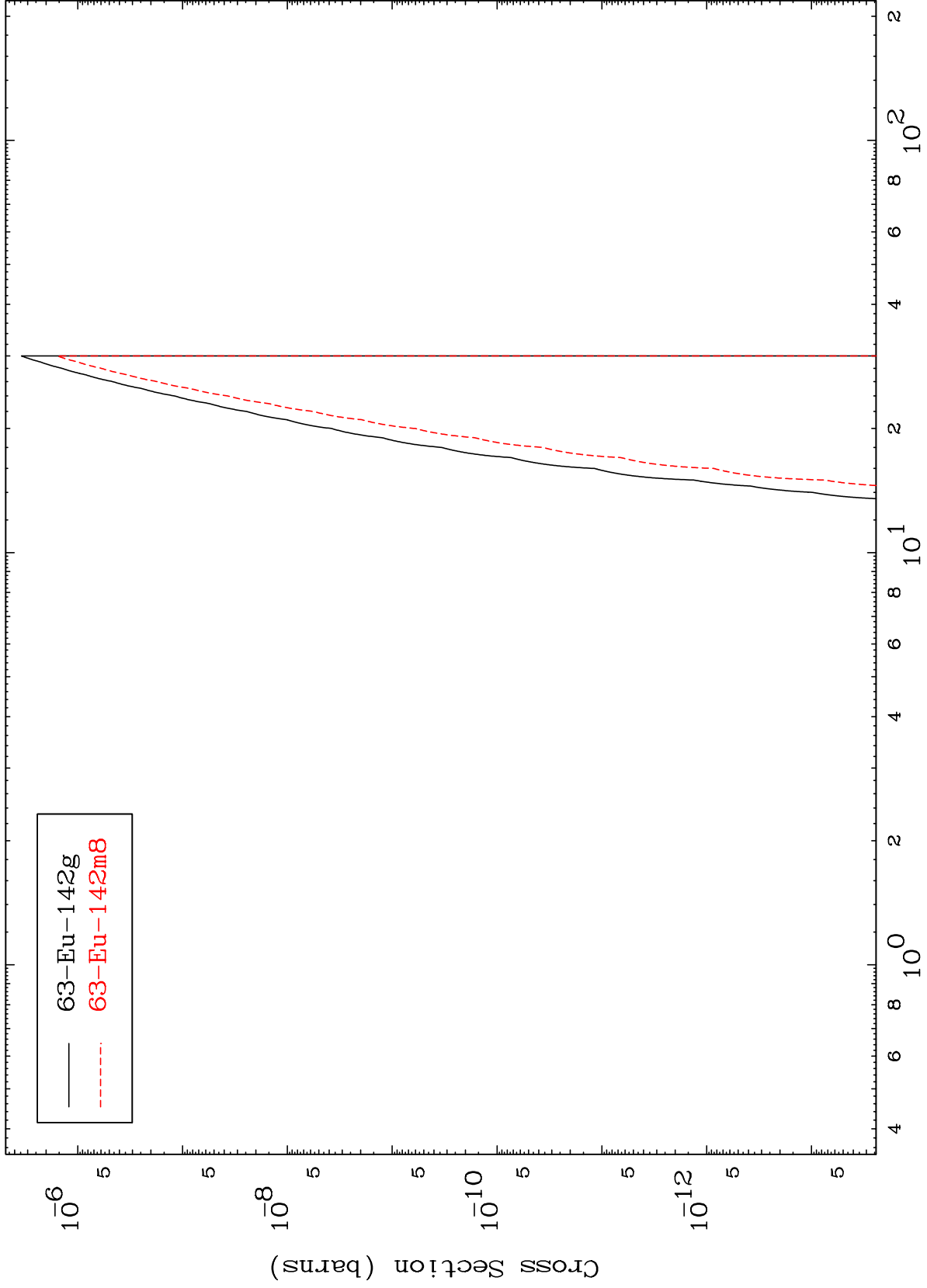
66-Dy-147

MAT 6598

(n,d) α

66-Dy-147

Radionuclide Production Cross Section



72

Incident Energy (MeV)

66-Dy-147