

Program EVALPLOT
(Version 2015-2)

by

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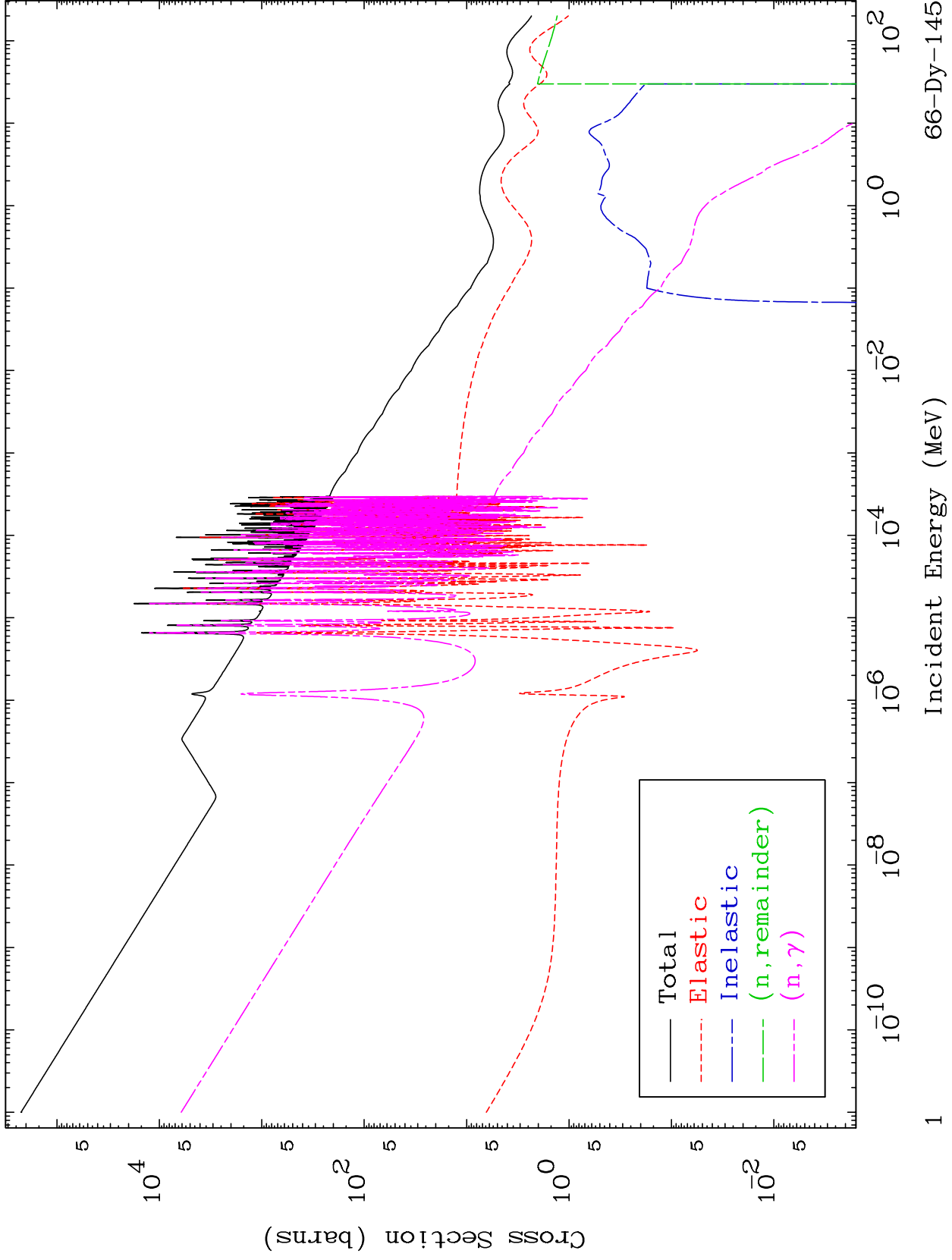
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6592

Major
293 Kelvin Cross Sections

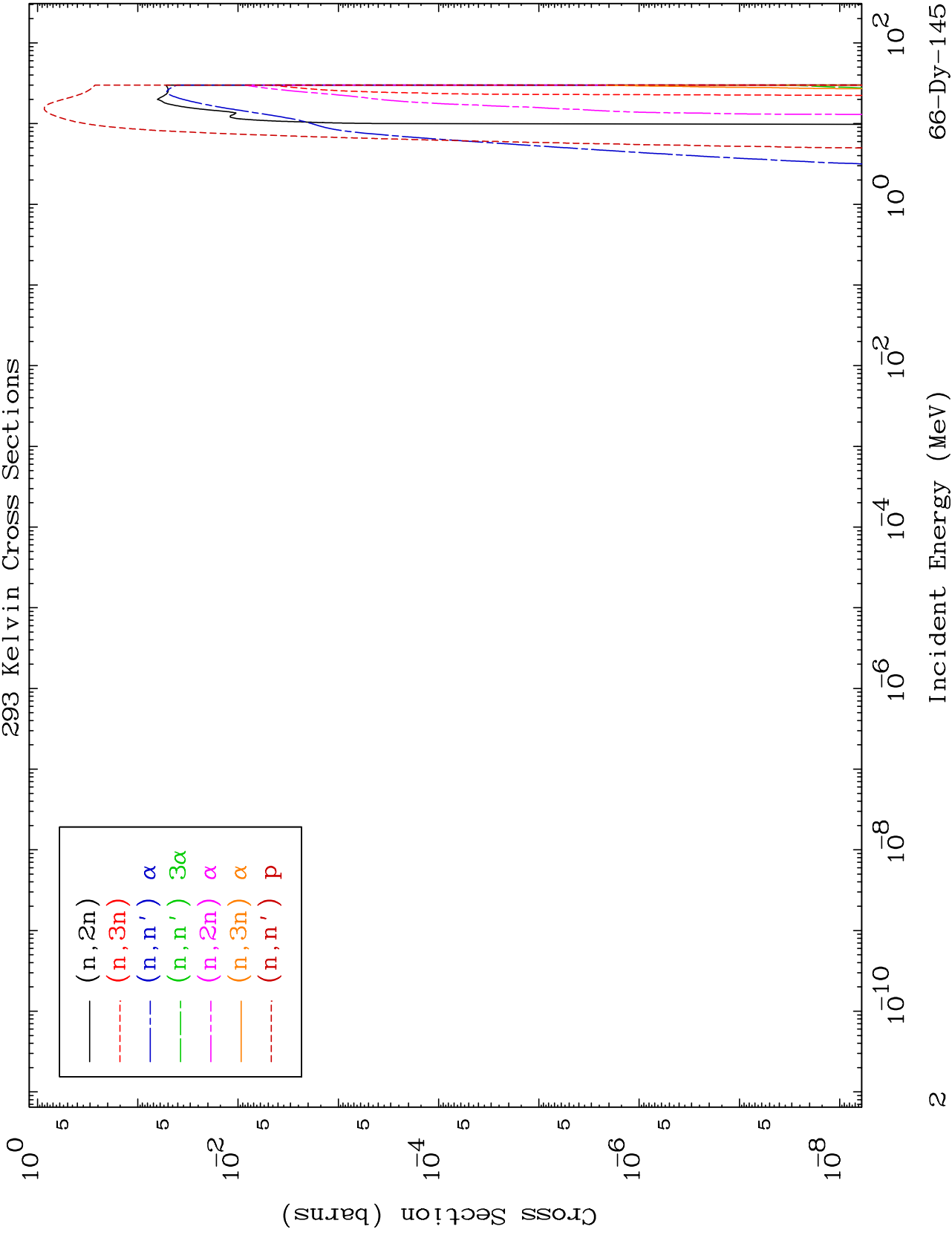
66-Dy-145



MAT 6592

Neutron Production
293 Kelvin Cross Sections

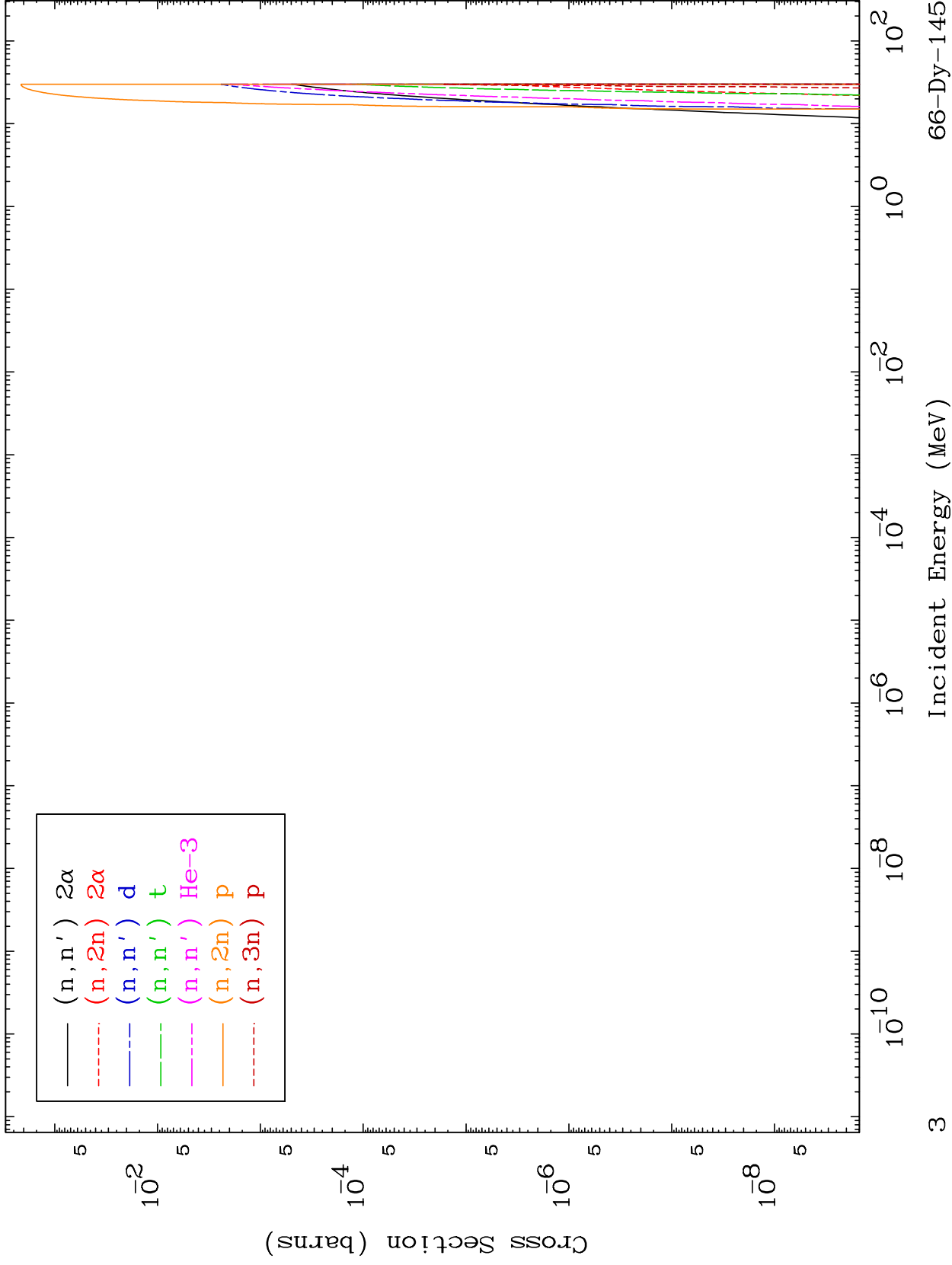
66-Dy-145



MAT 6592

Neutron Production
293 Kelvin Cross Sections

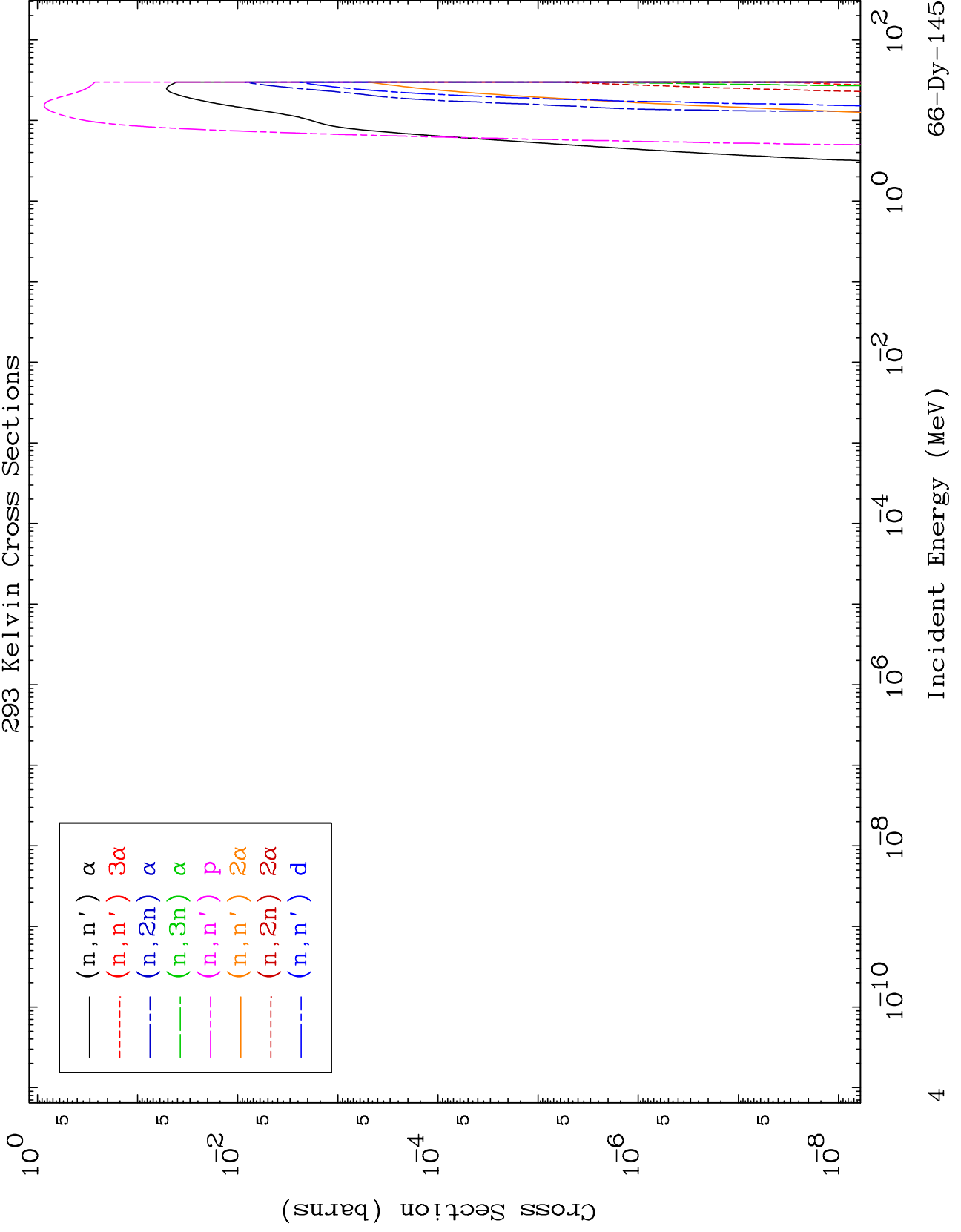
66-Dy-145



MAT 6592

Charged Particle
293 Kelvin Cross Sections

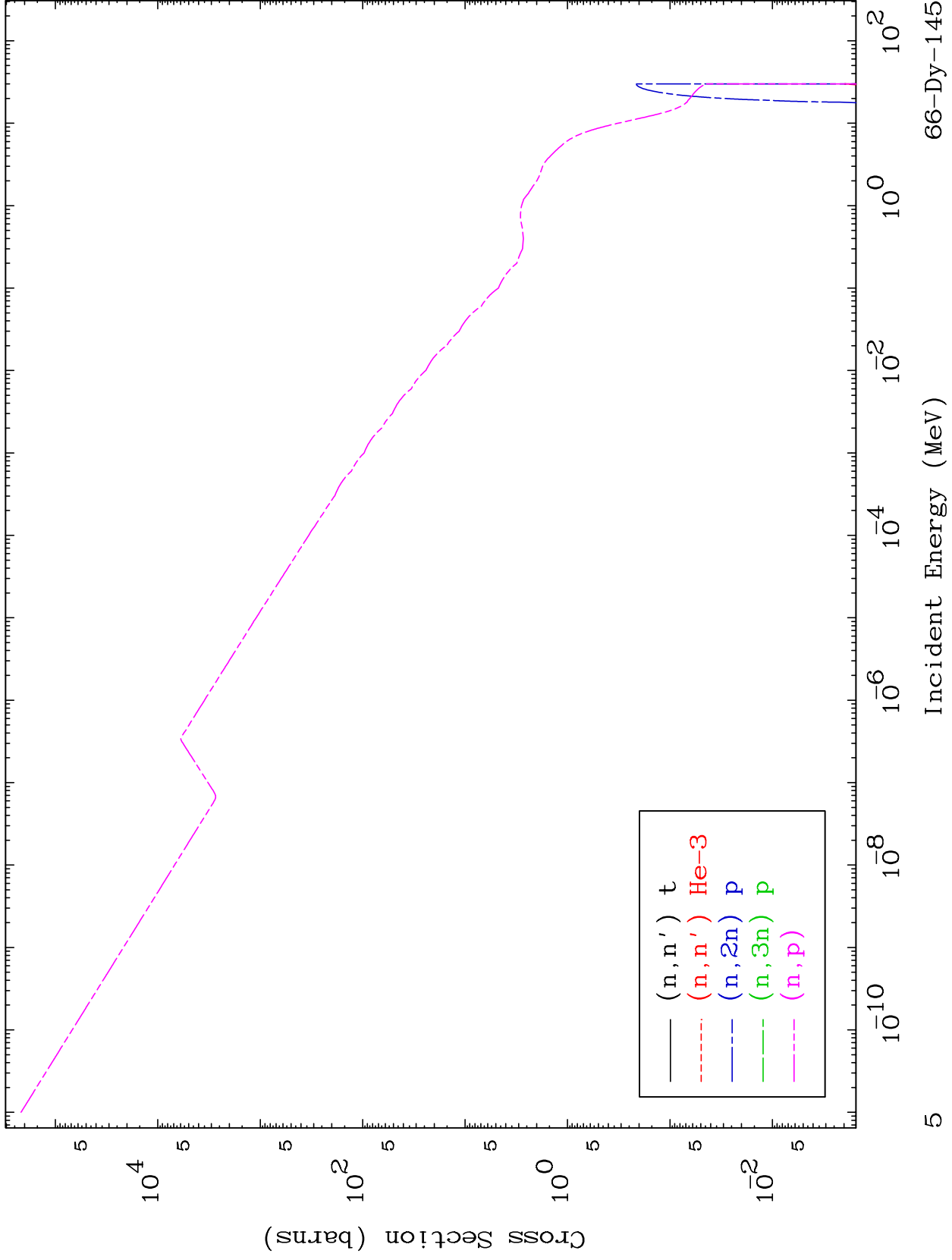
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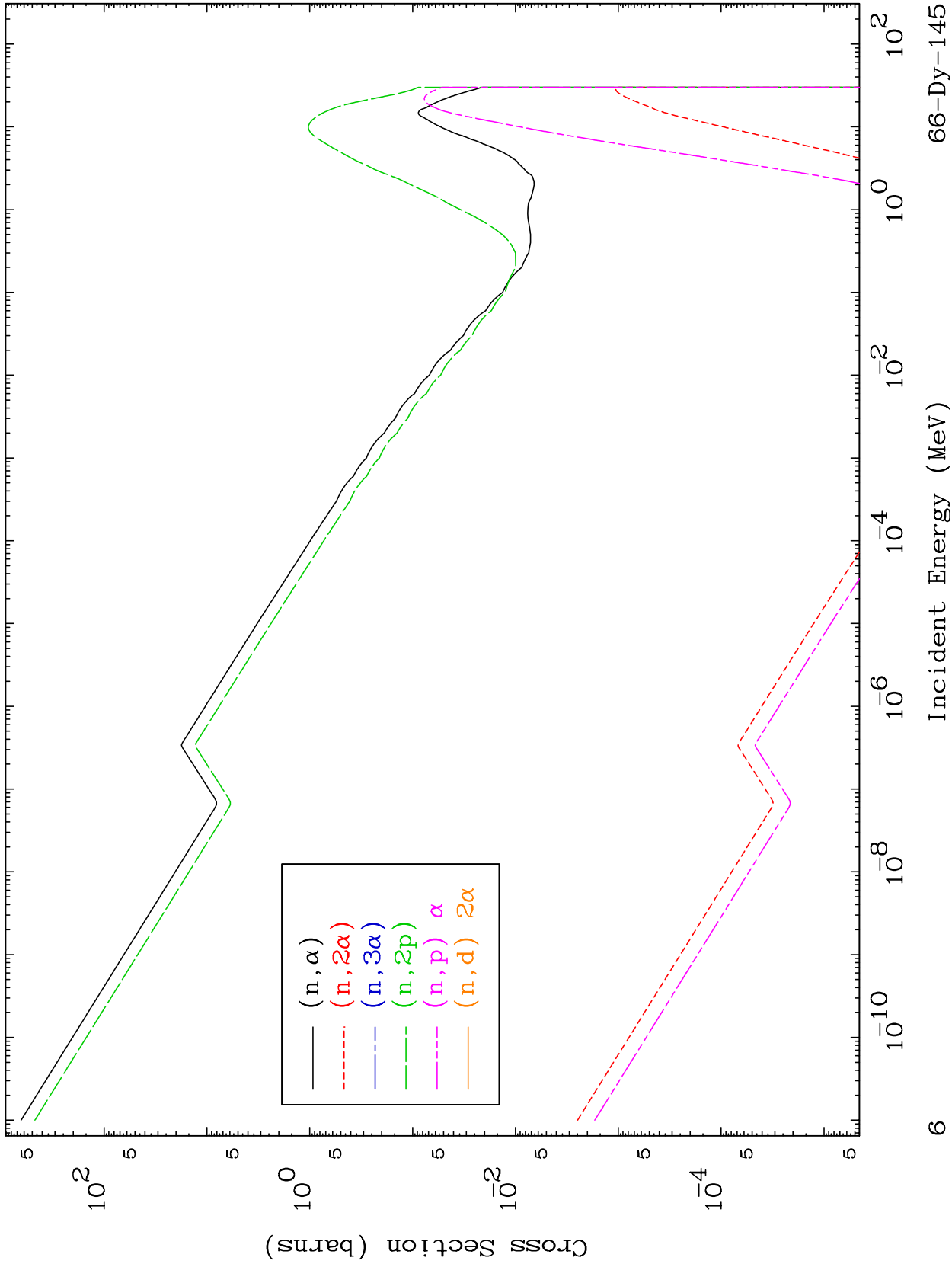


MAT 6592

Charged Particle
293 Kelvin Cross Sections

66-Dy-145

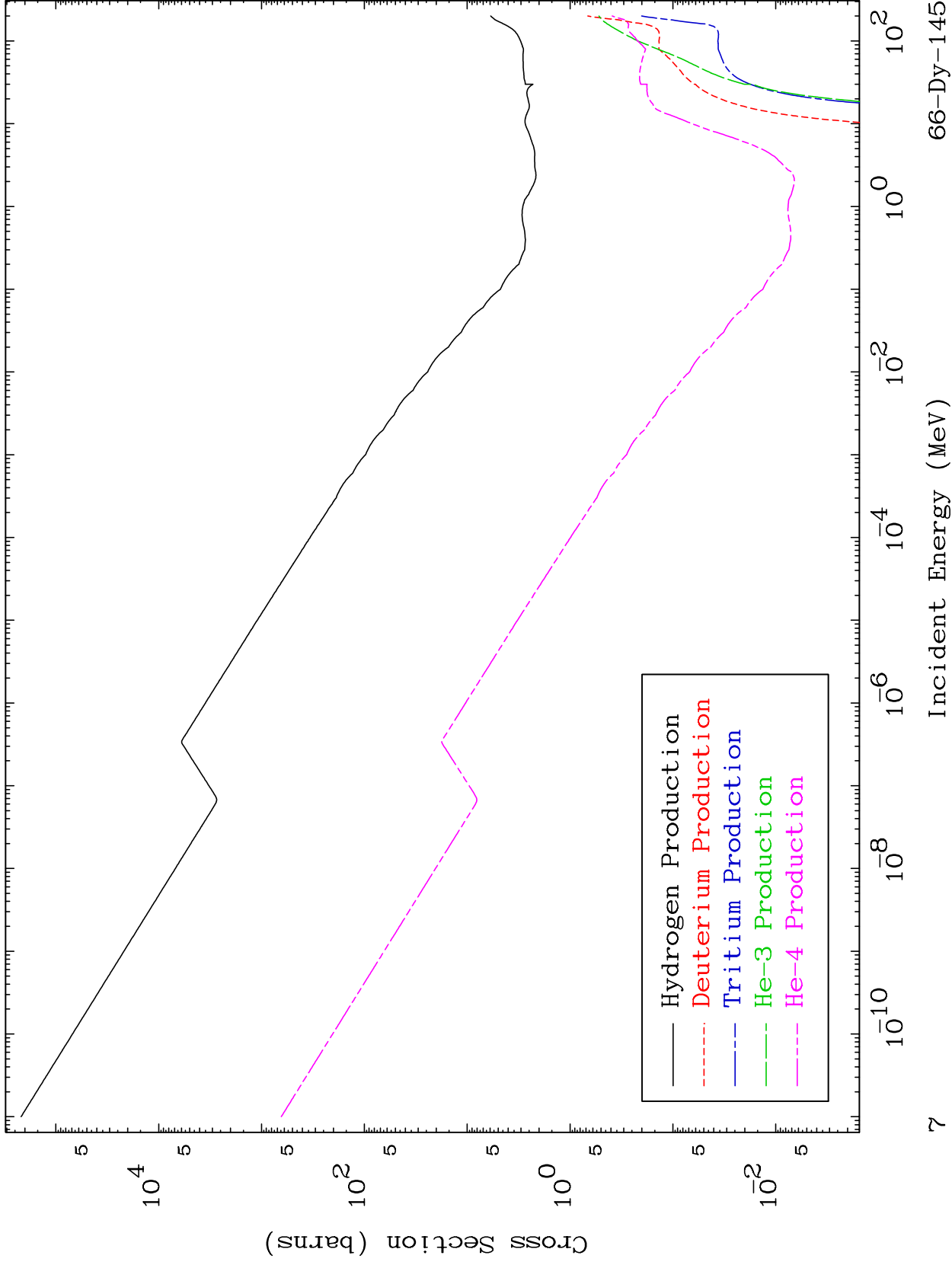




MAT 6592

Particle Production
293 Kelvin Cross Sections

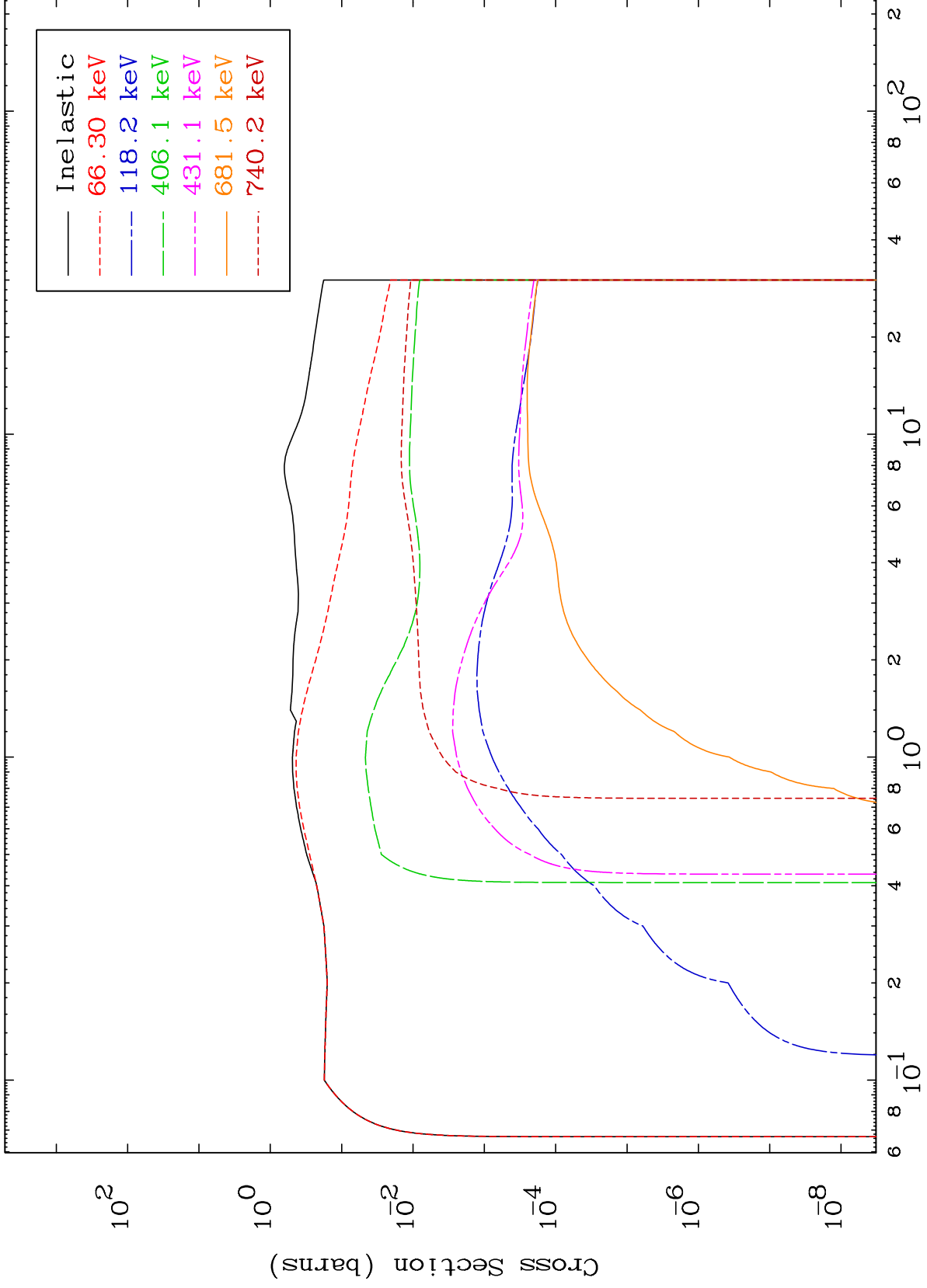
66-Dy-145



MAT 6592

(n,n') Level
293 Kelvin Cross Sections

66-Dy-145



8

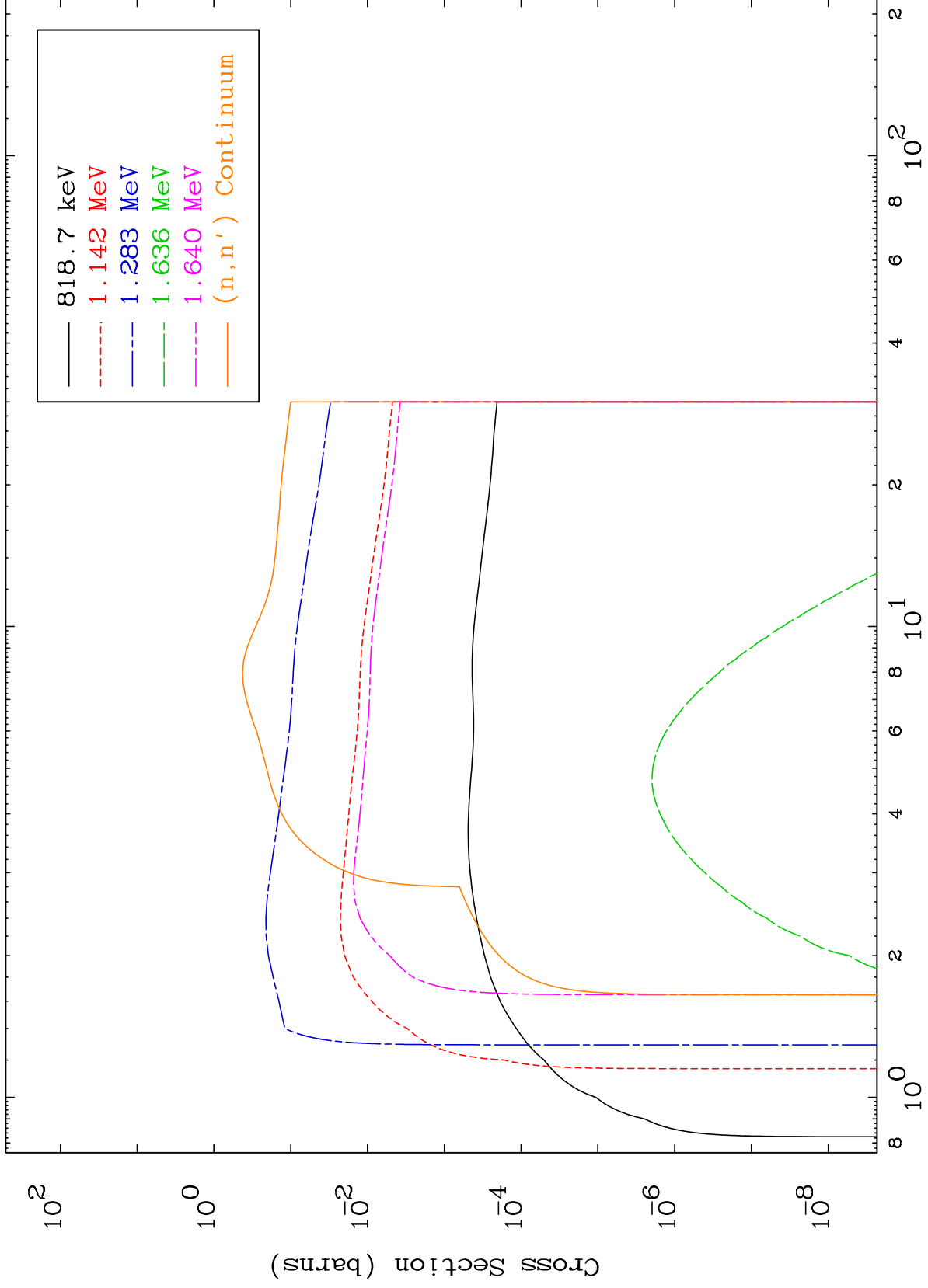
Incident Energy (MeV)

66-Dy-145

MAT 6592

(n,n') Level
293 Kelvin Cross Sections

66-Dy-145



9

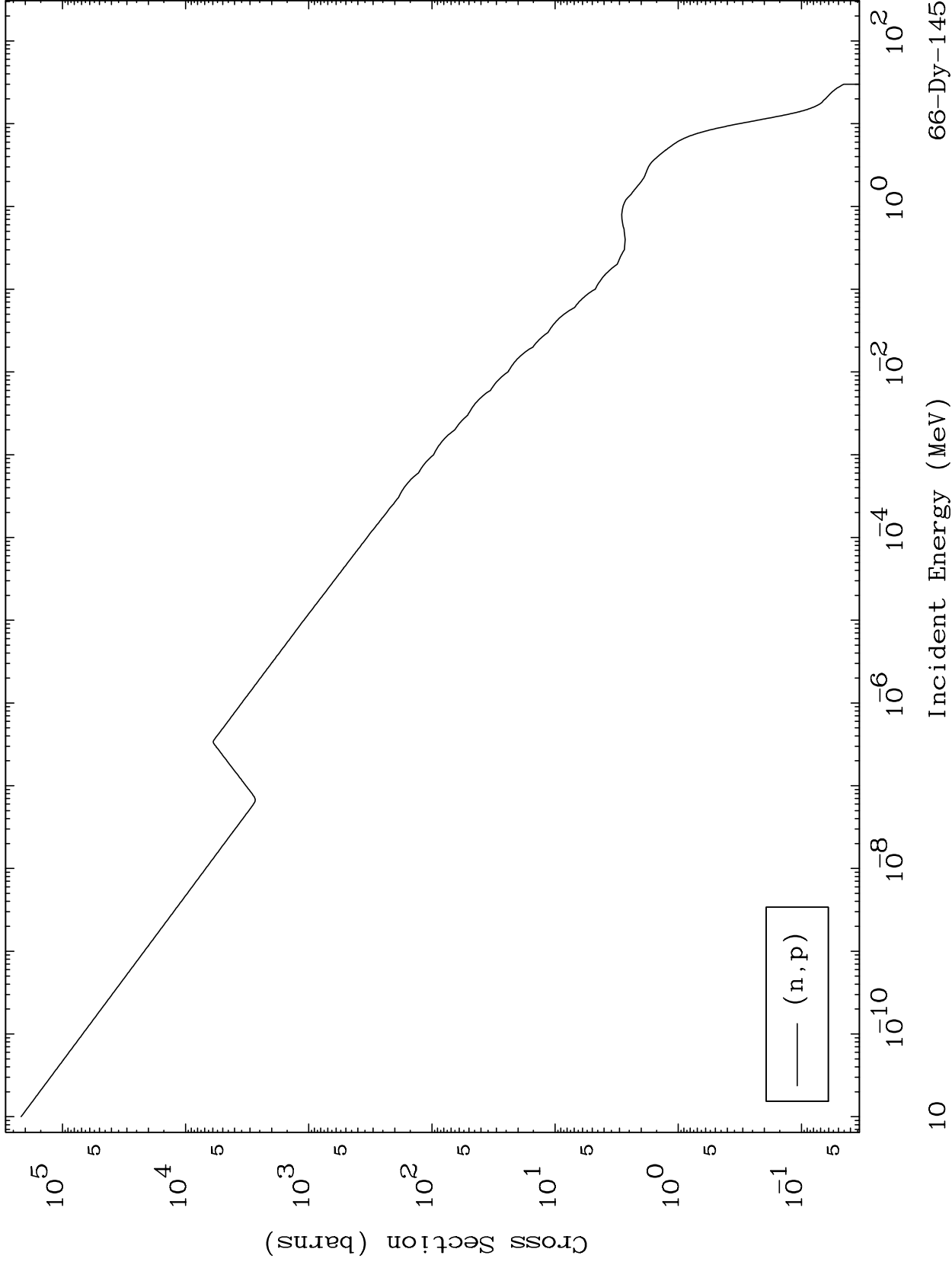
Incident Energy (MeV)

66-Dy-145

MAT 6592

(n,p) Levels
293 Kelvin Cross Sections

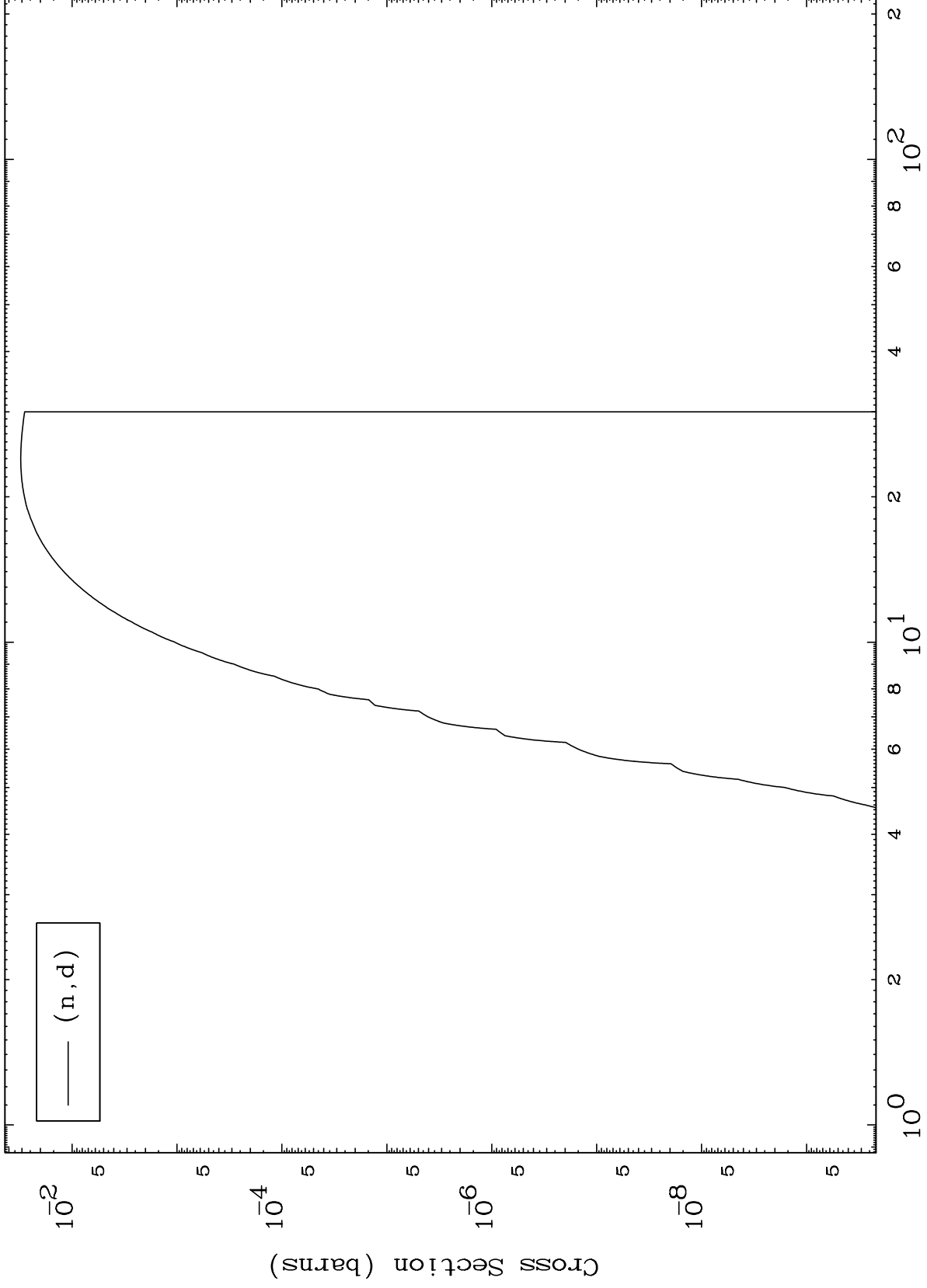
66-Dy-145



MAT 6592

(n,d) Levels
293 Kelvin Cross Sections

66-Dy-145



11

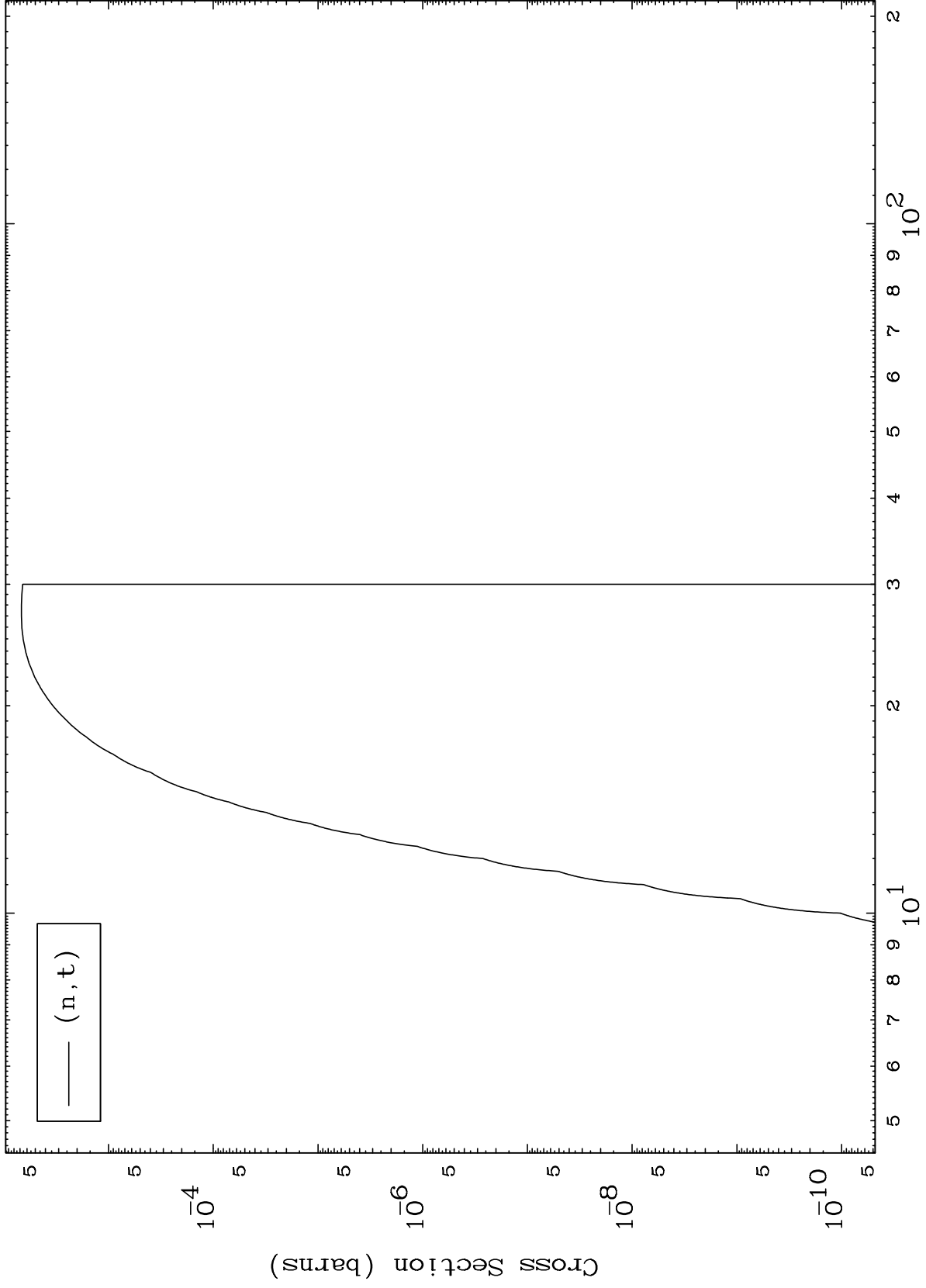
Incident Energy (MeV)

66-Dy-145

MAT 6592

(n,t) Levels
293 Kelvin Cross Sections

66-Dy-145



12

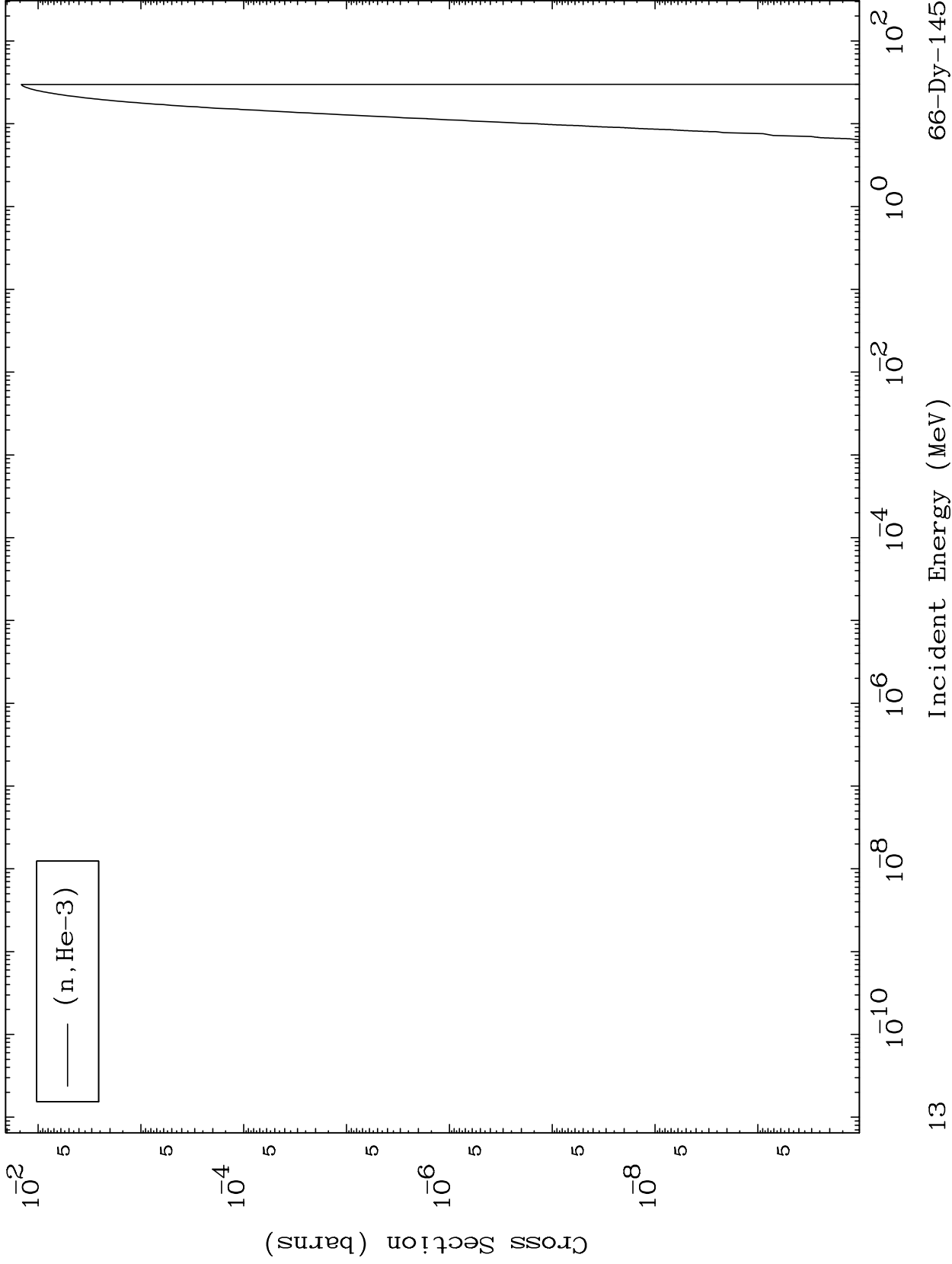
Incident Energy (MeV)

66-Dy-145

MAT 6592

(n,He3) Levels
293 Kelvin Cross Sections

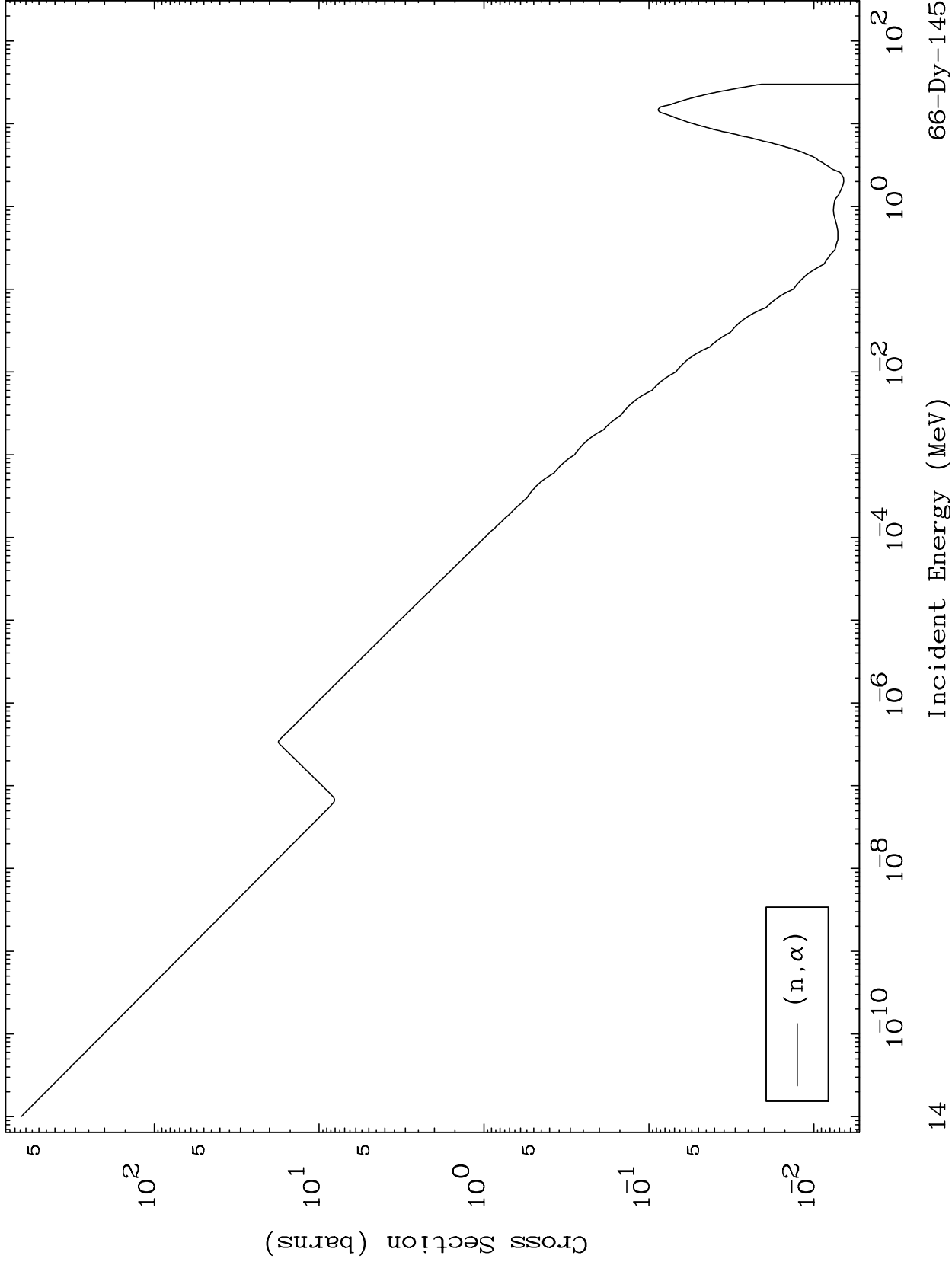
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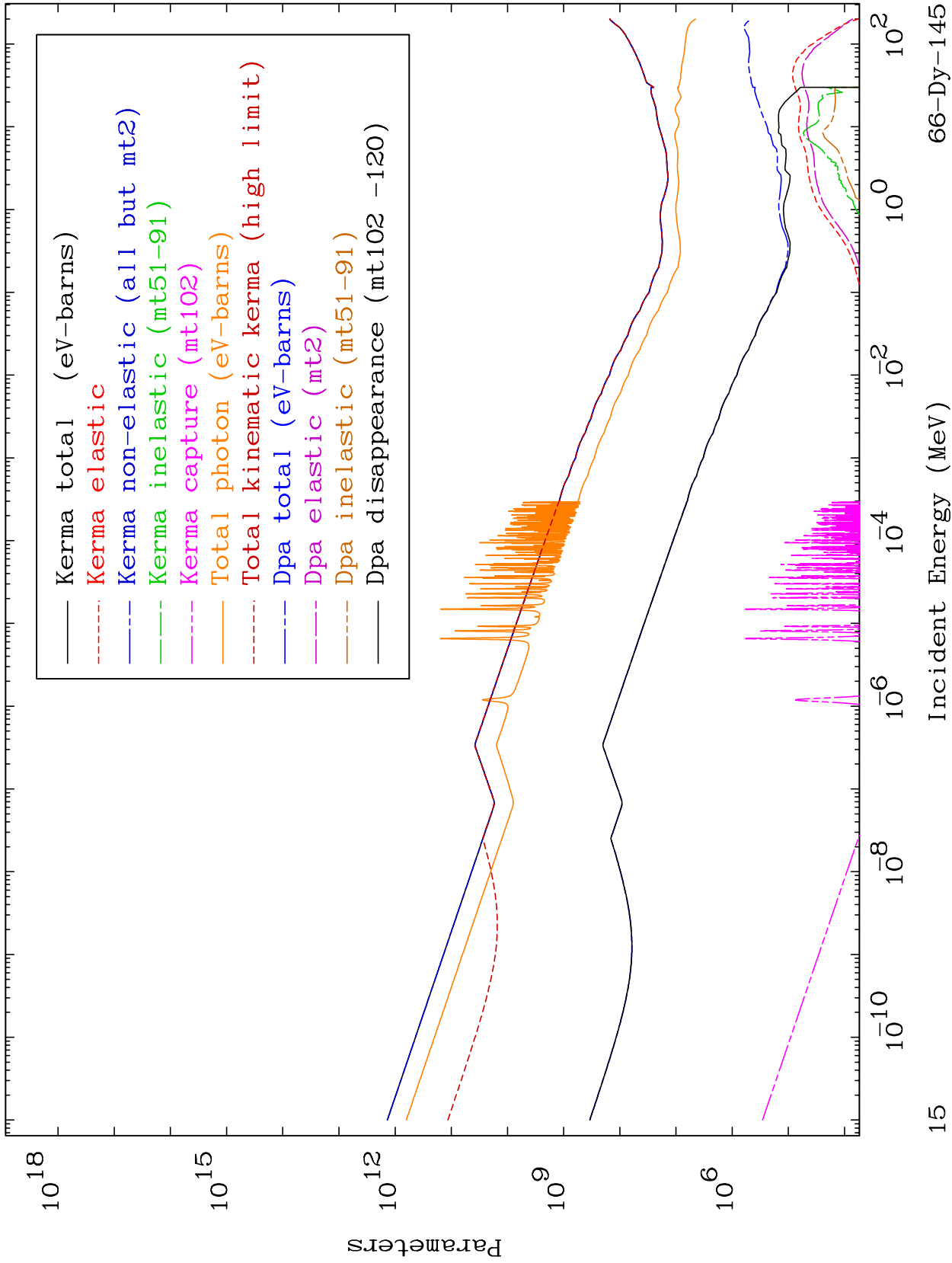


MAT 6592

(n,α) Levels
293 Kelvin Cross Sections

66-Dy-145

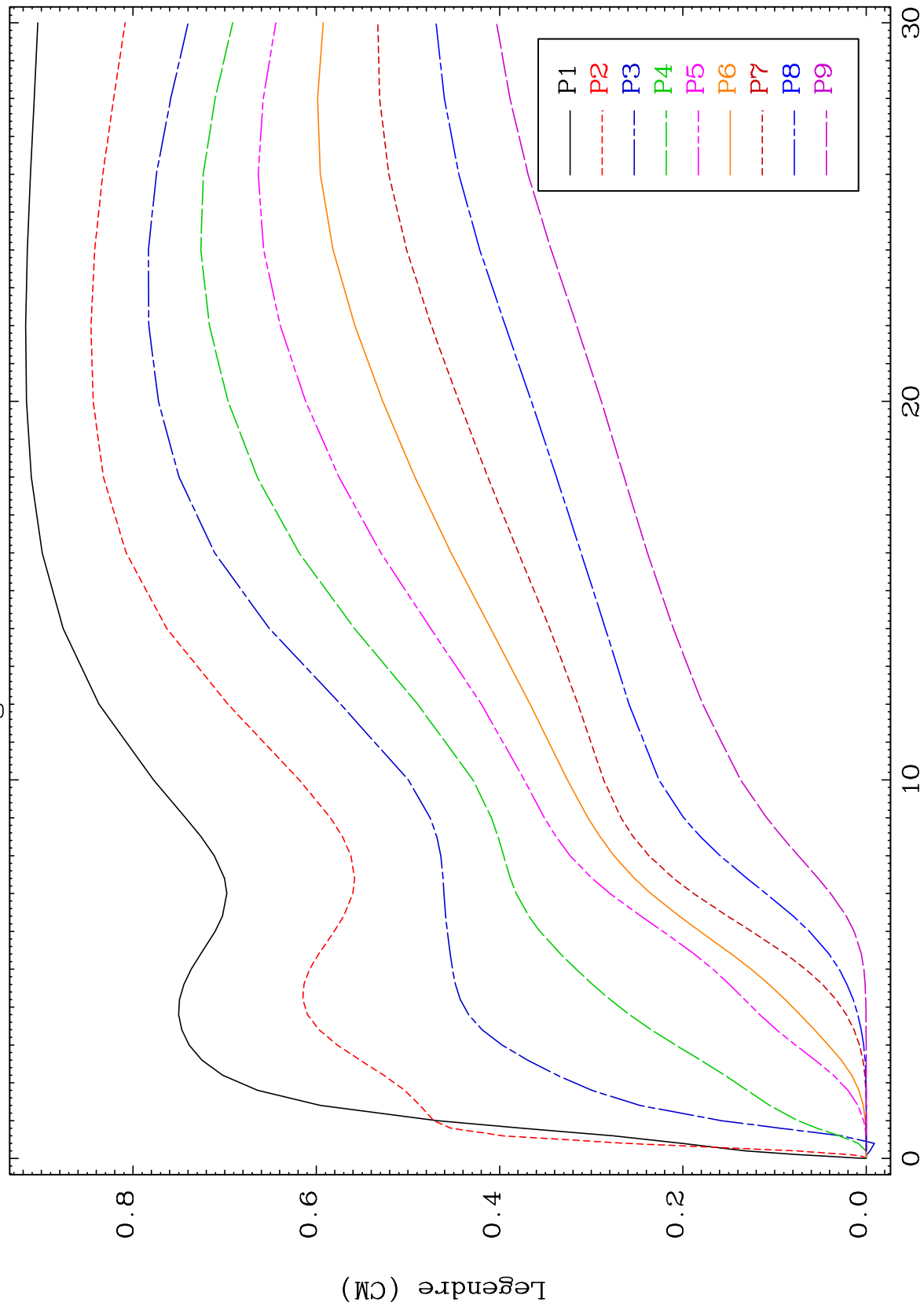




MAT 6592

Elastic Legendre Coefficients

66-Dy-145



16

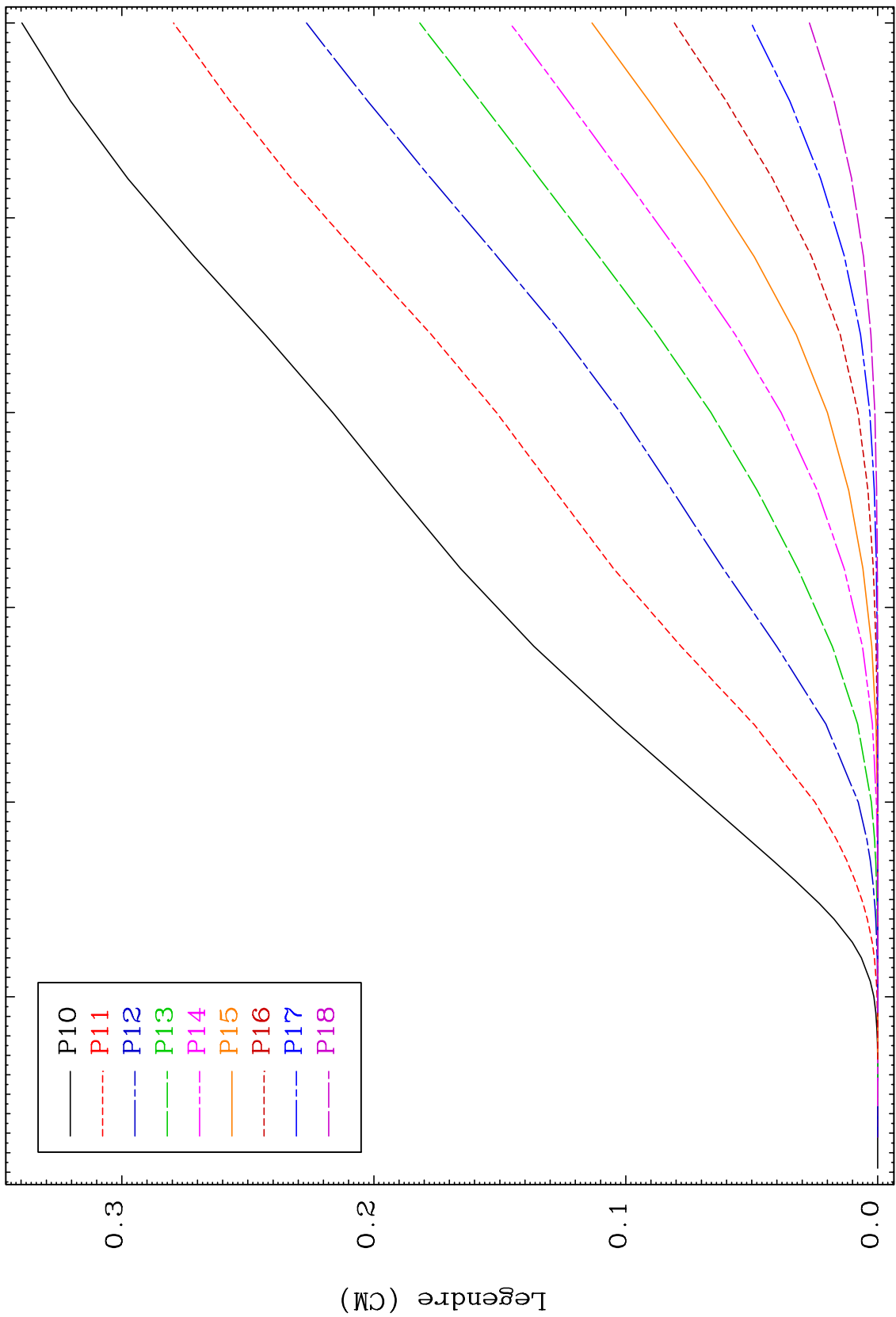
Incident Energy (MeV)

66-Dy-145

MAT 6592

Elastic Legendre Coefficients

66-Dy-145



17

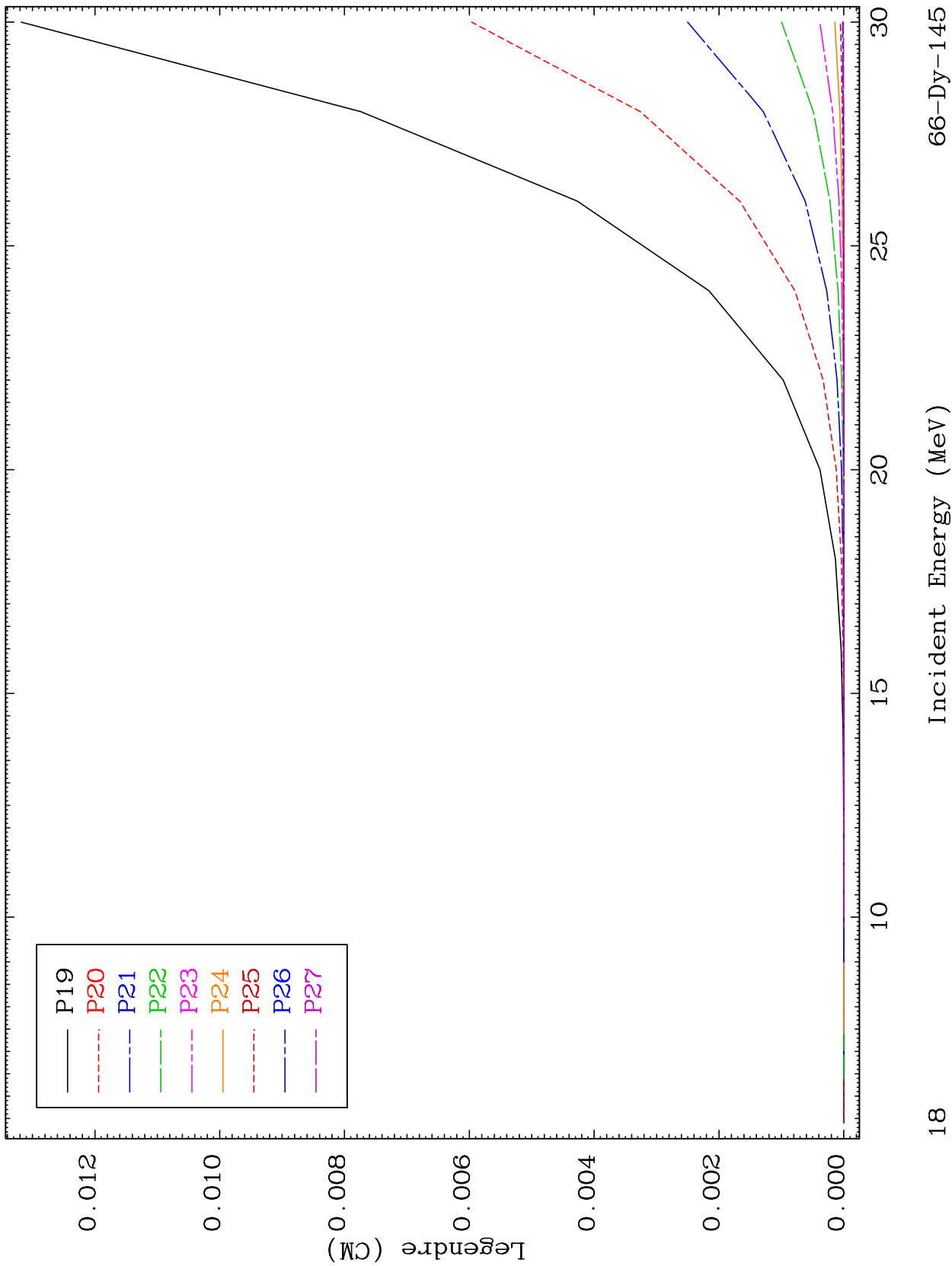
Incident Energy (MeV)

66-Dy-145

MAT 6592

Elastic Legendre Coefficients

66-Dy-145



18

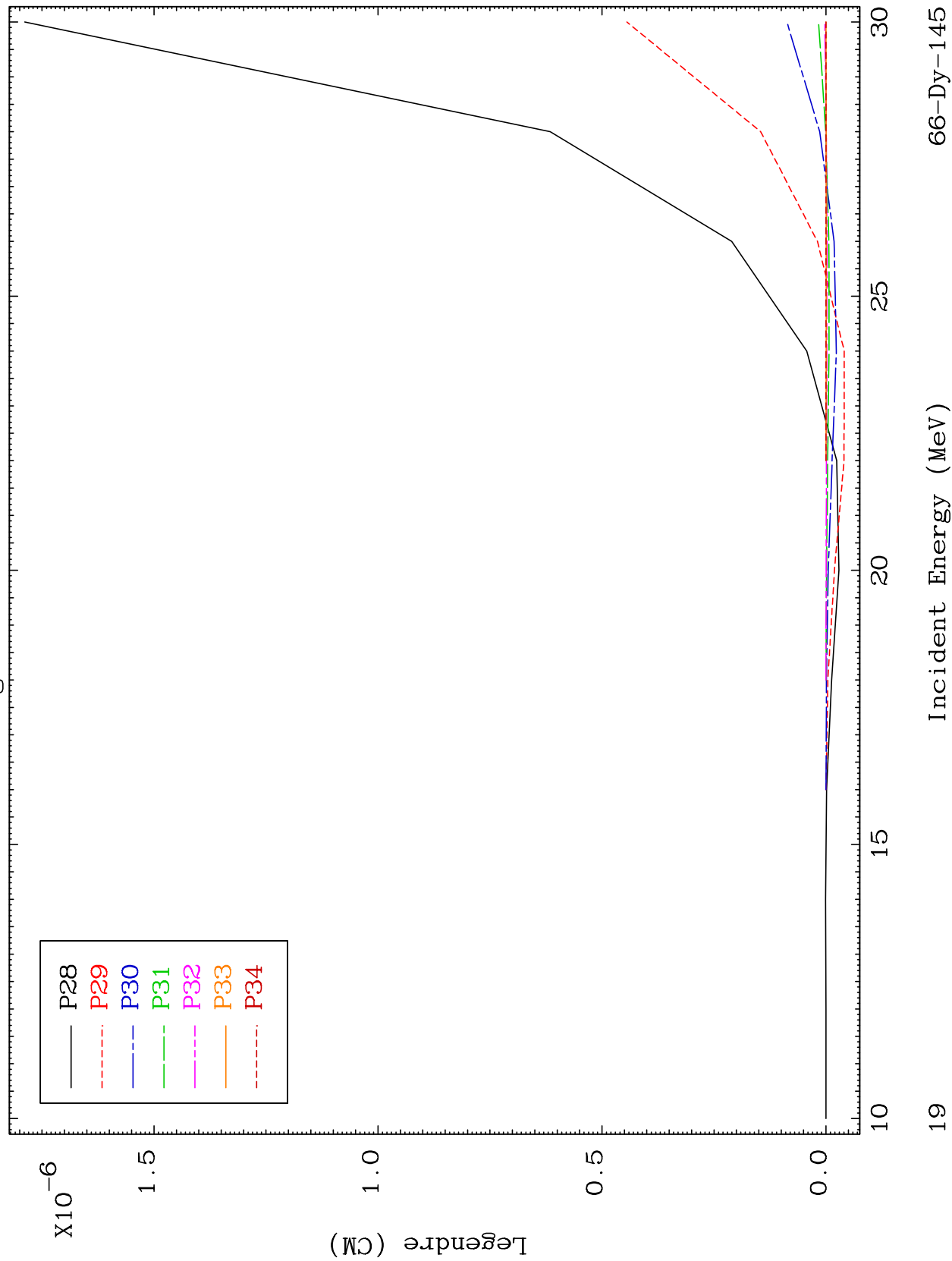
Incident Energy (MeV)

66-Dy-145

MAT 6592

Elastic Legendre Coefficients

66-Dy-145



19

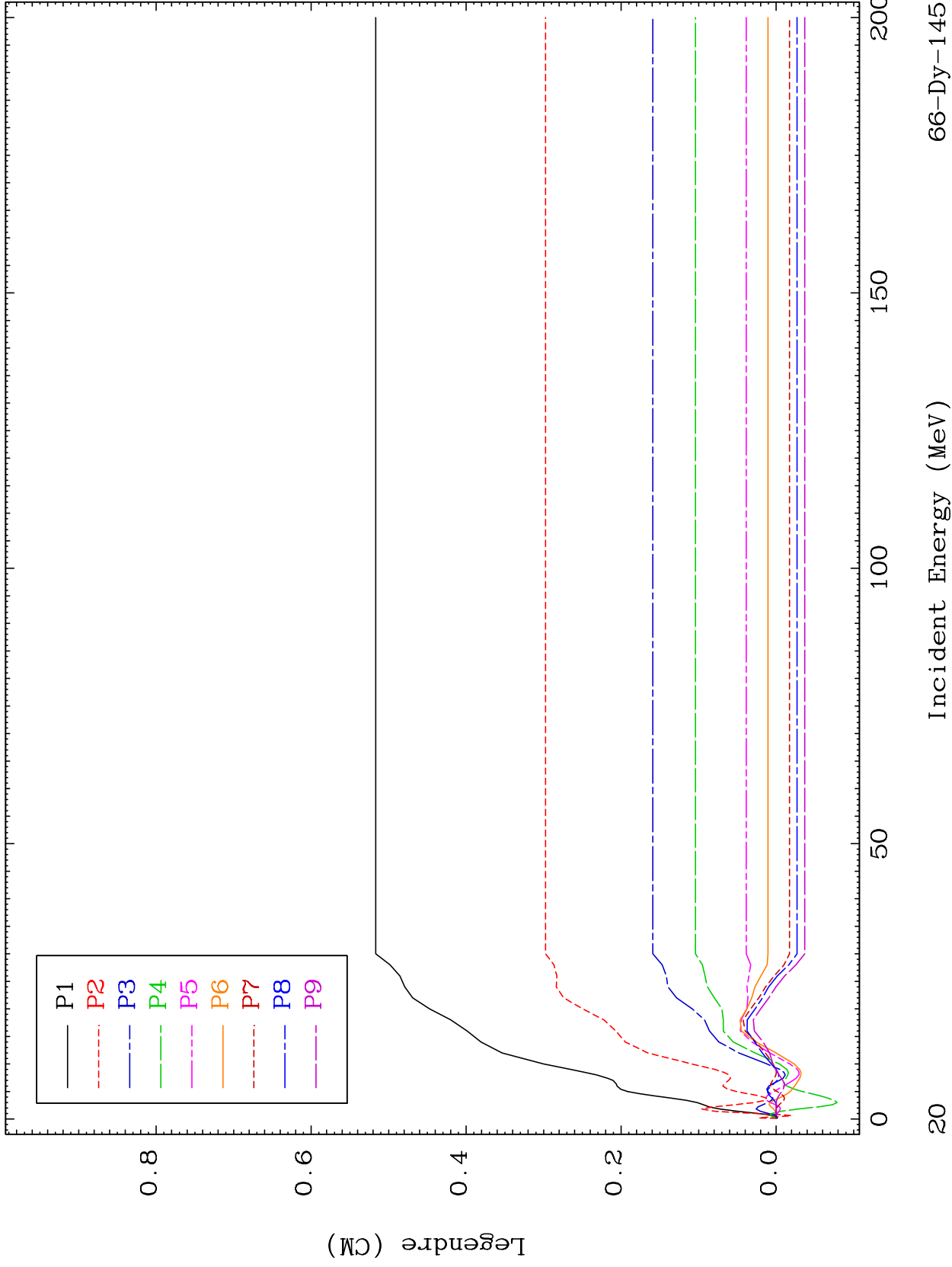
Incident Energy (MeV)

66-Dy-145

MAT 6592

66.30 keV (n,n') Level
Legendre Coefficients

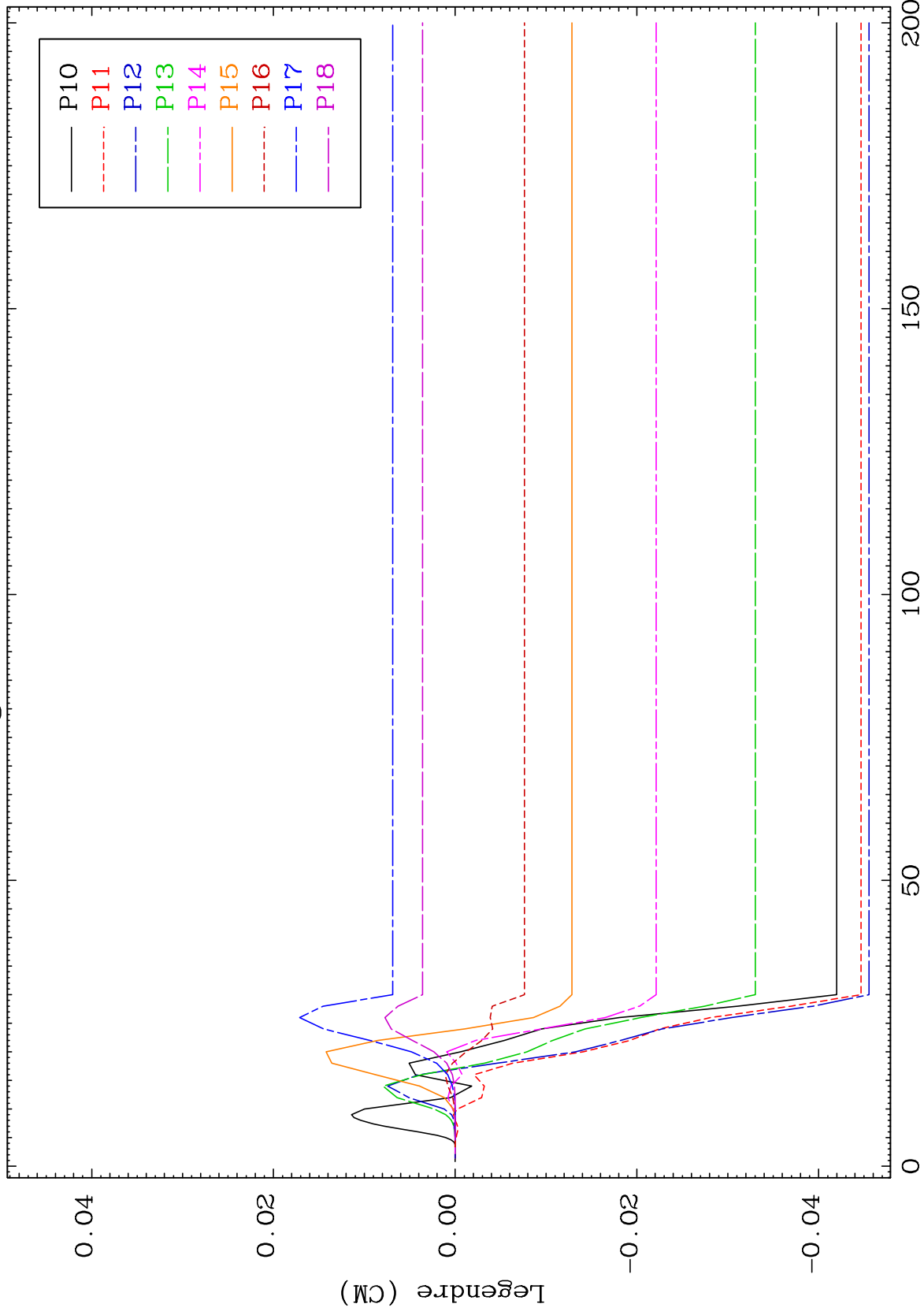
66-Dy-145



MAT 6592

66.30 keV (n,n') Level
Legendre Coefficients

66-Dy-145



21

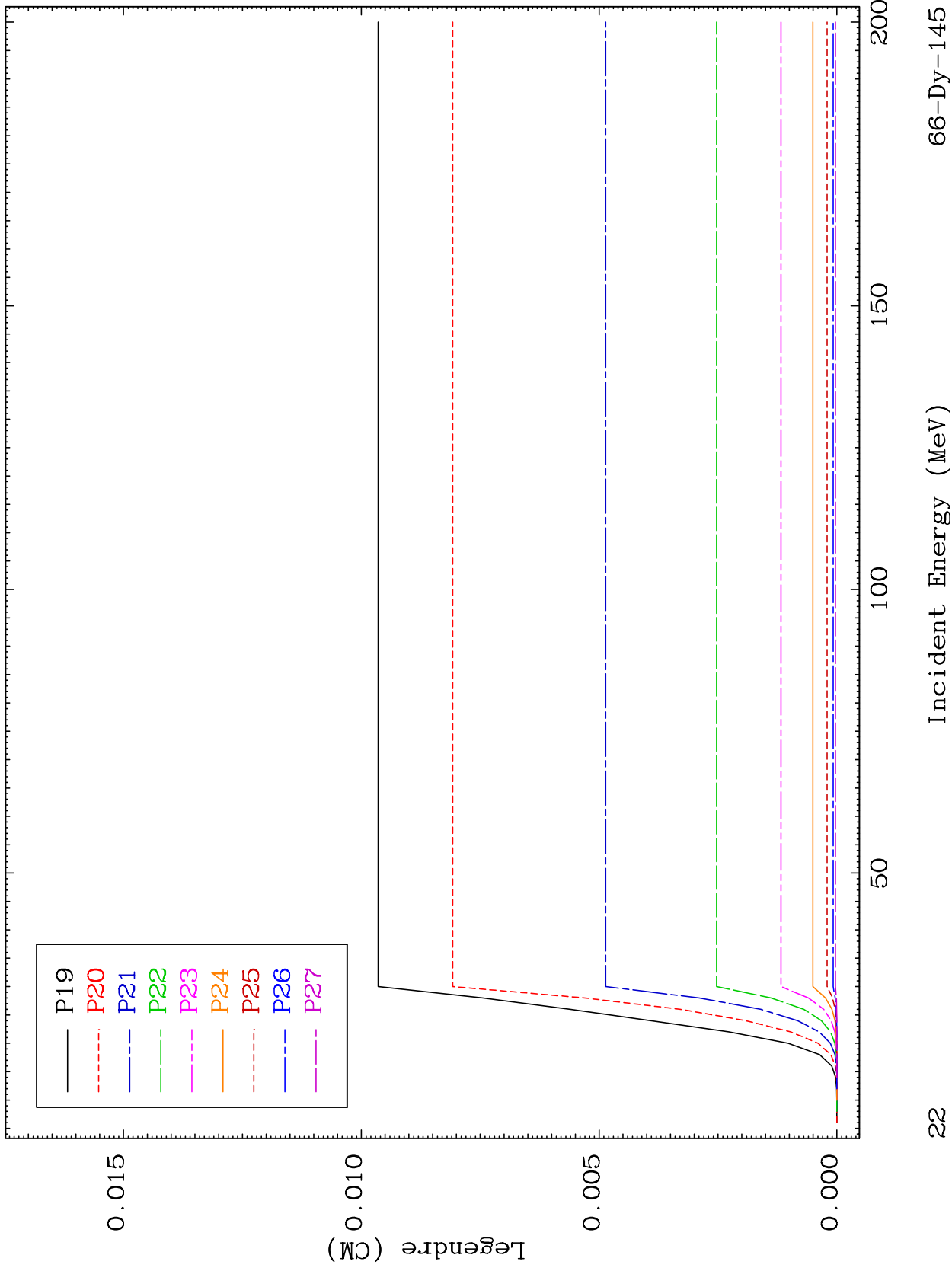
Incident Energy (MeV)

66-Dy-145

MAT 6592

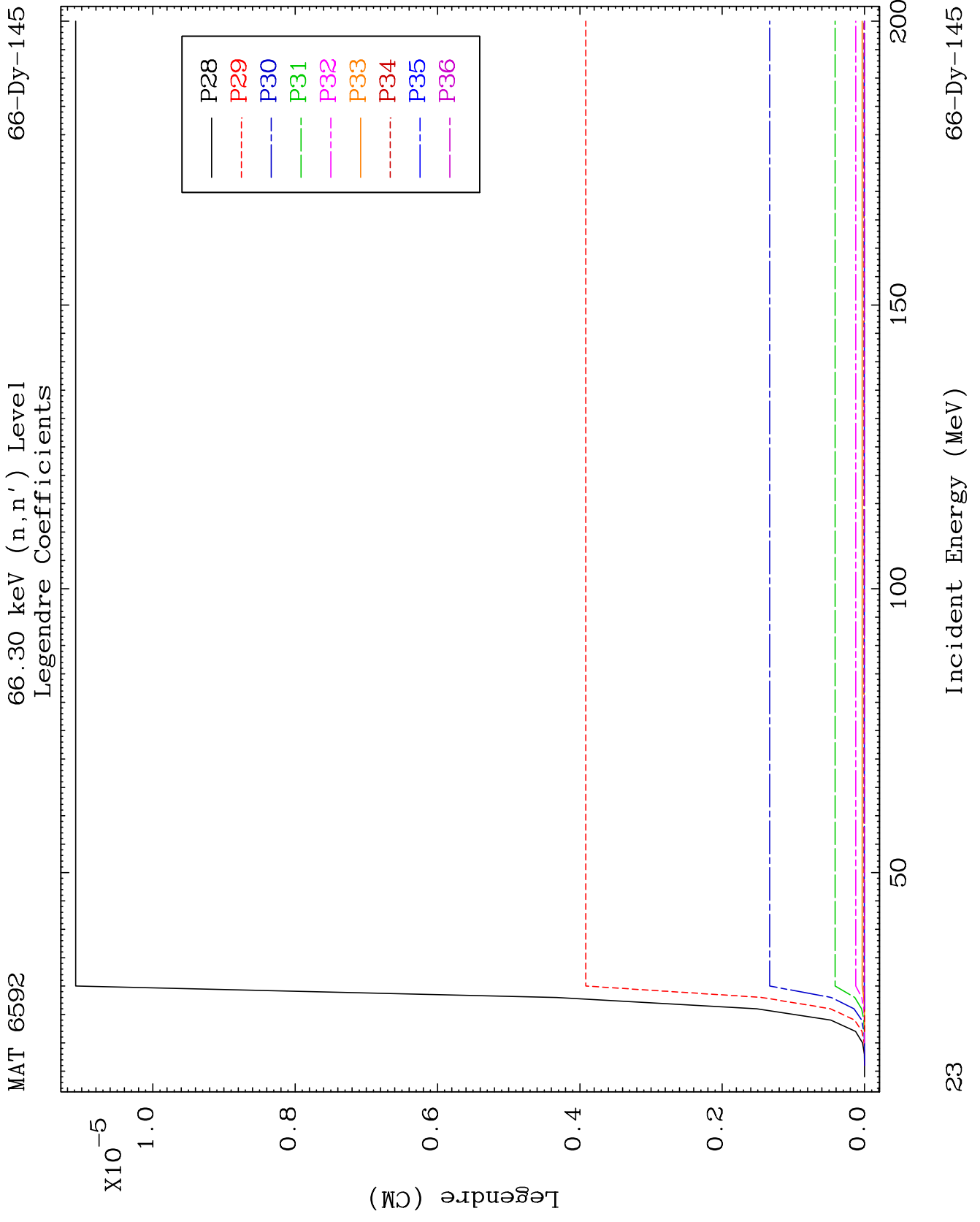
66.30 keV (n,n') Level
Legendre Coefficients

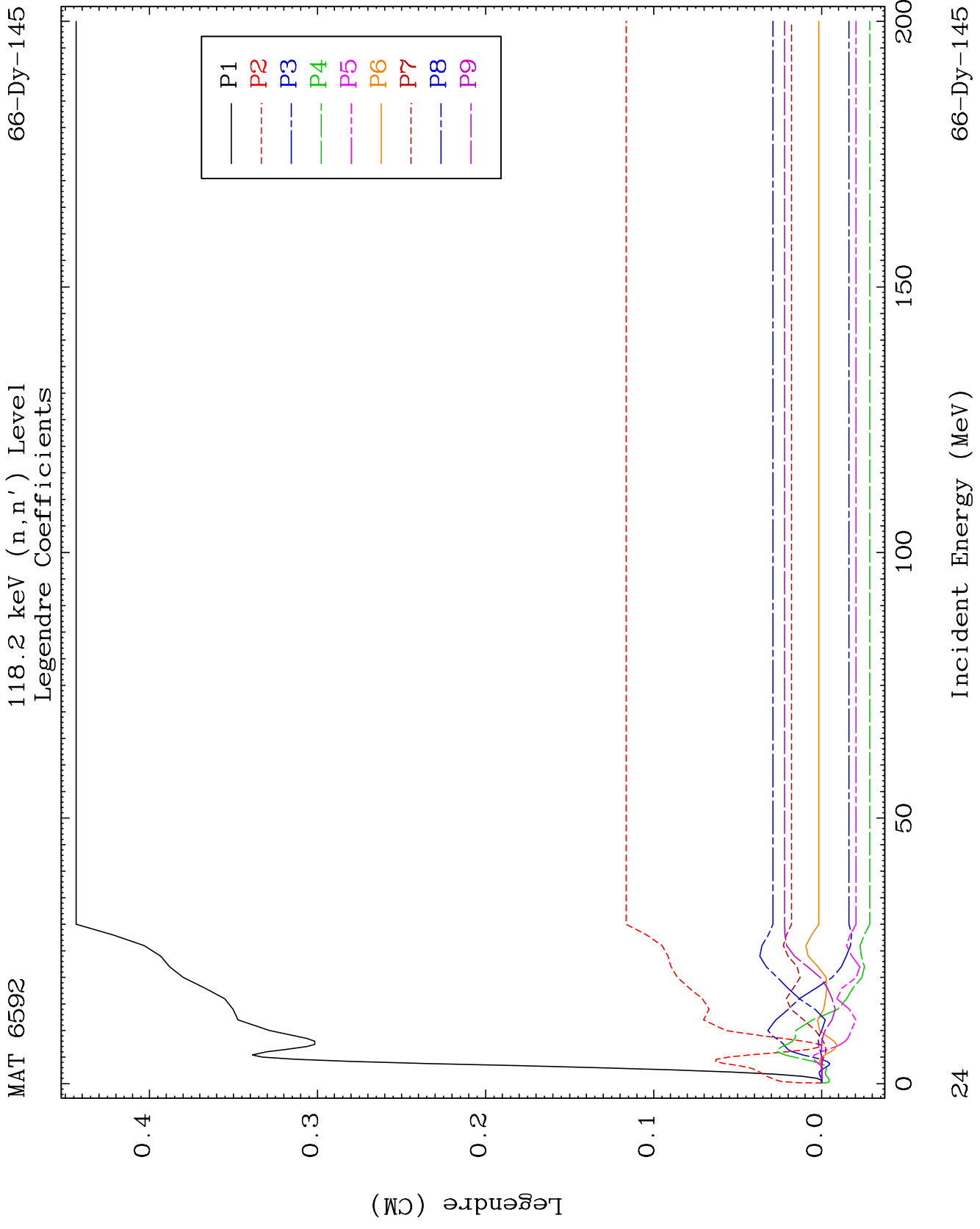
66-Dy-145



22

66-Dy-145

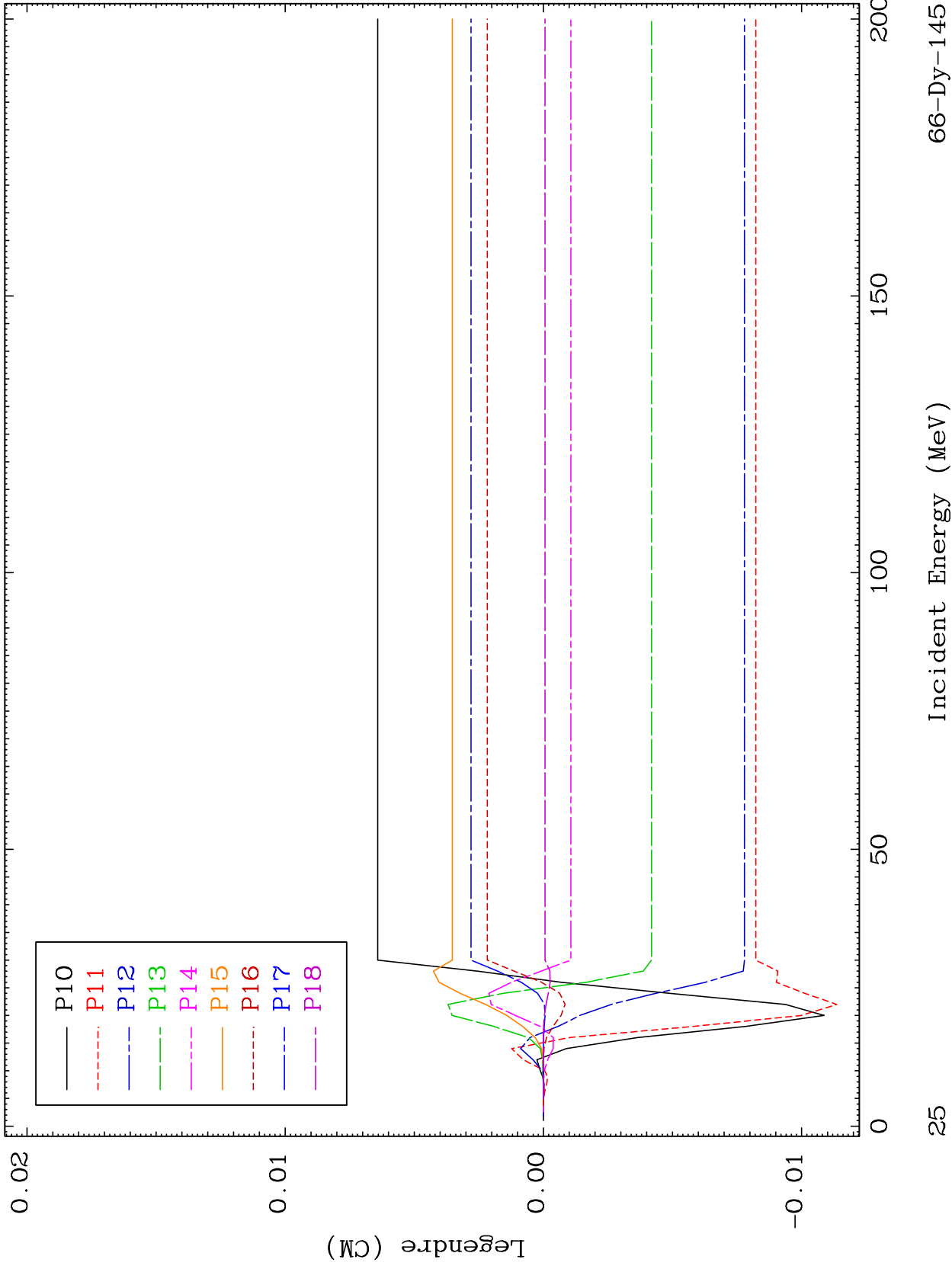




MAT 6592

118.2 keV (n,n') Level
Legendre Coefficients

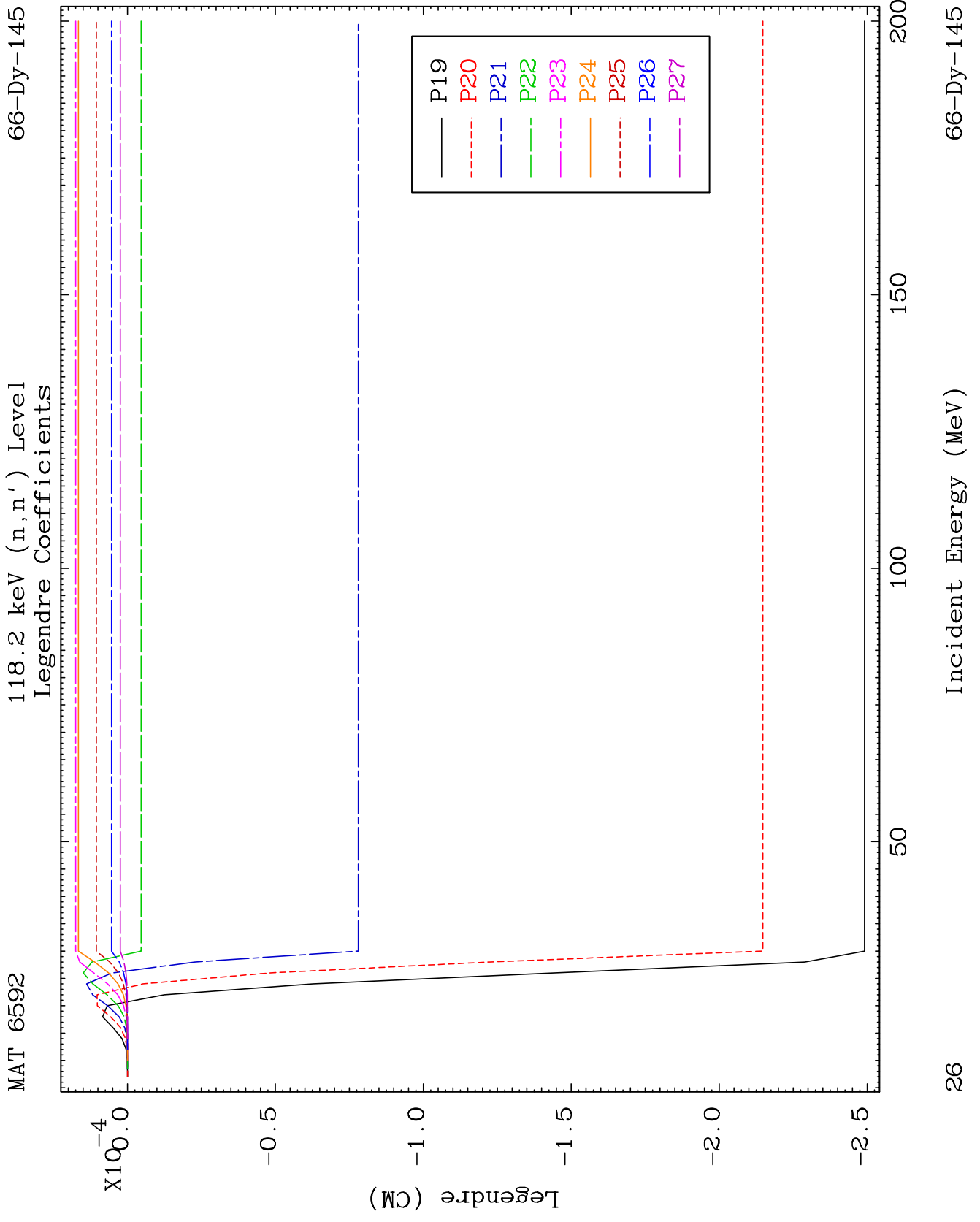
66-Dy-145



66-Dy-145

Incident Energy (MeV)

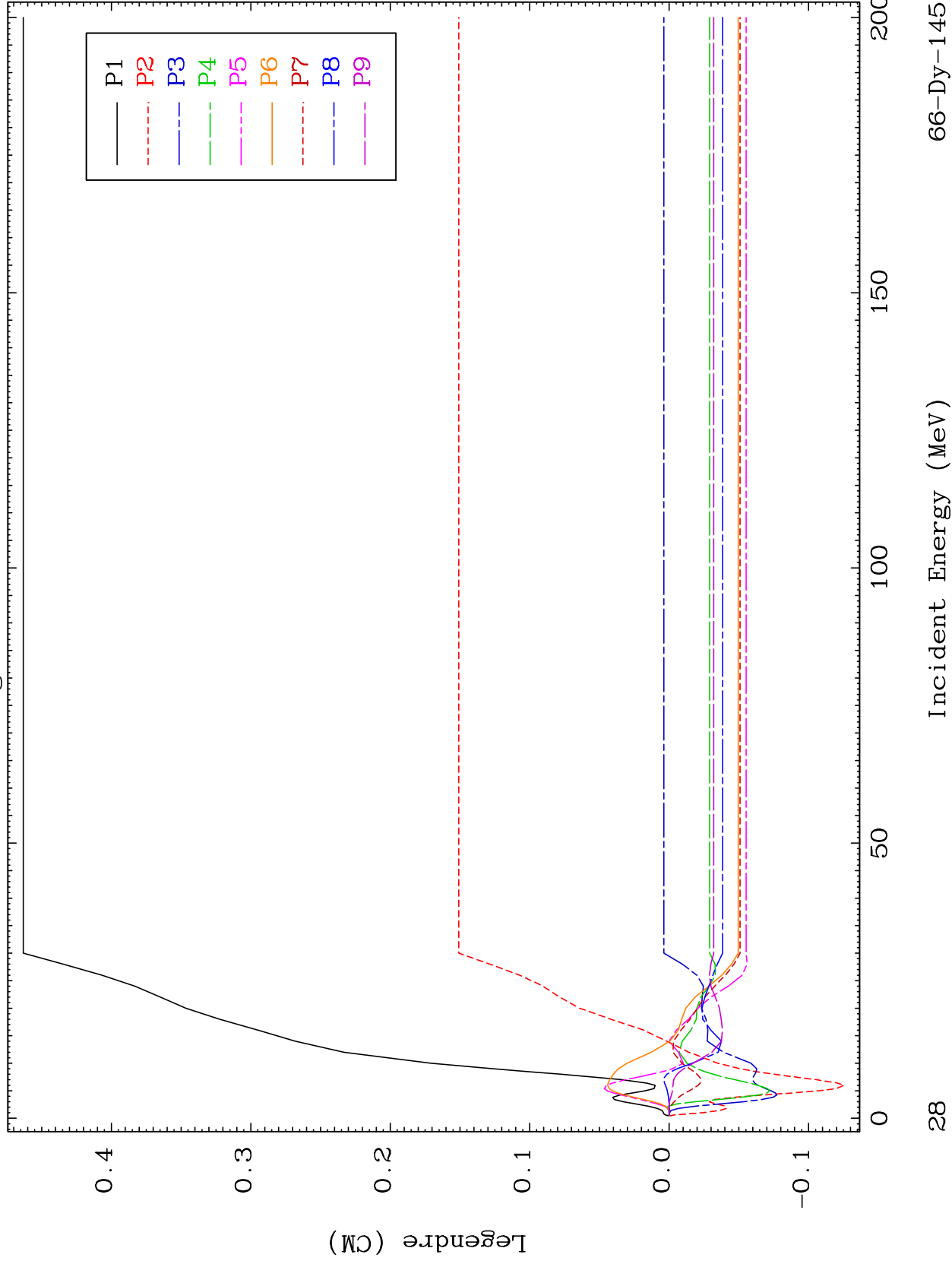
25



MAT 6592

406.1 keV (n,n') Level
Legendre Coefficients

66-Dy-145



66-Dy-145

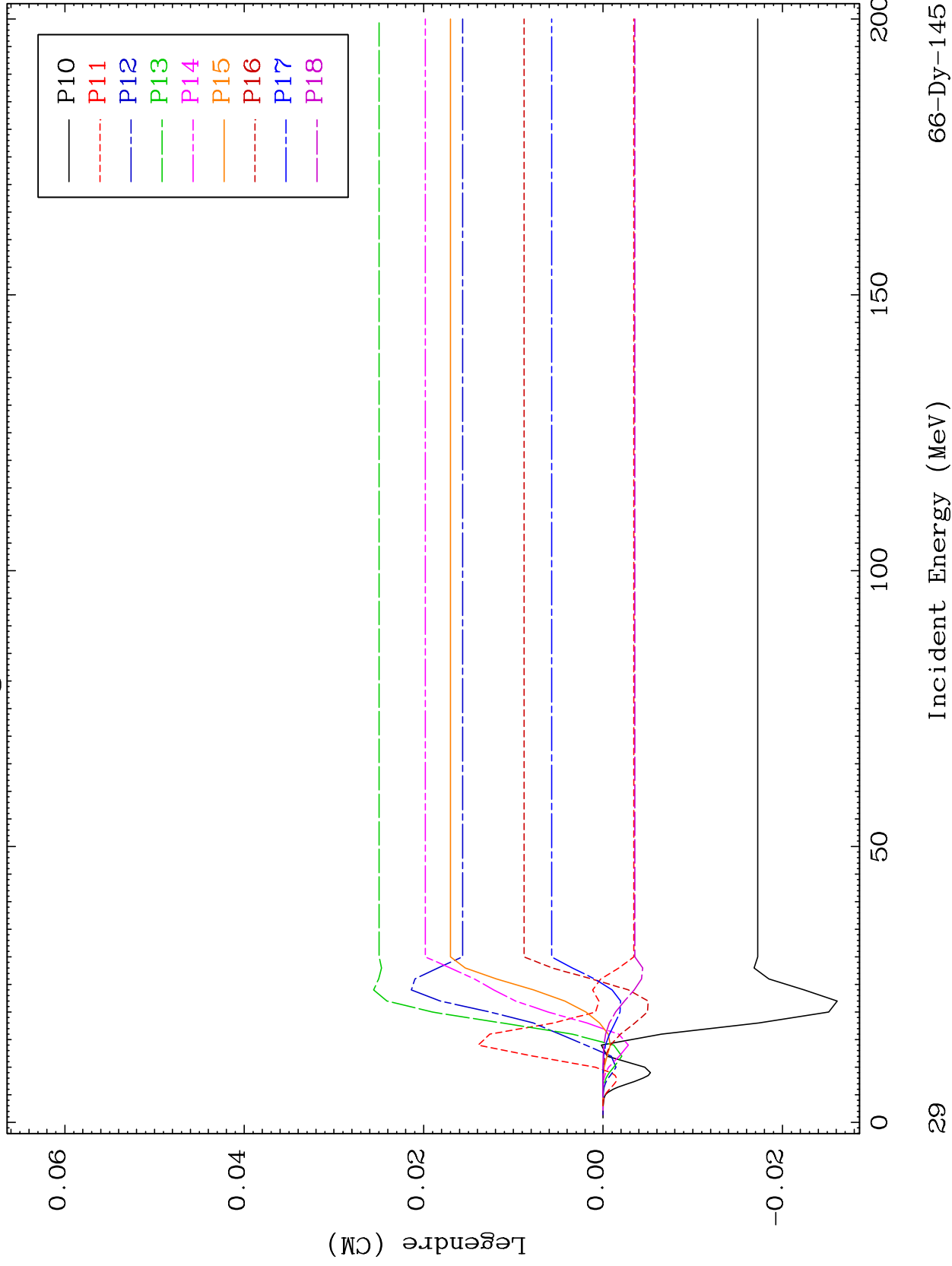
Incident Energy (MeV)

28

MAT 6592

406.1 keV (n,n') Level
Legendre Coefficients

66-Dy-145



29

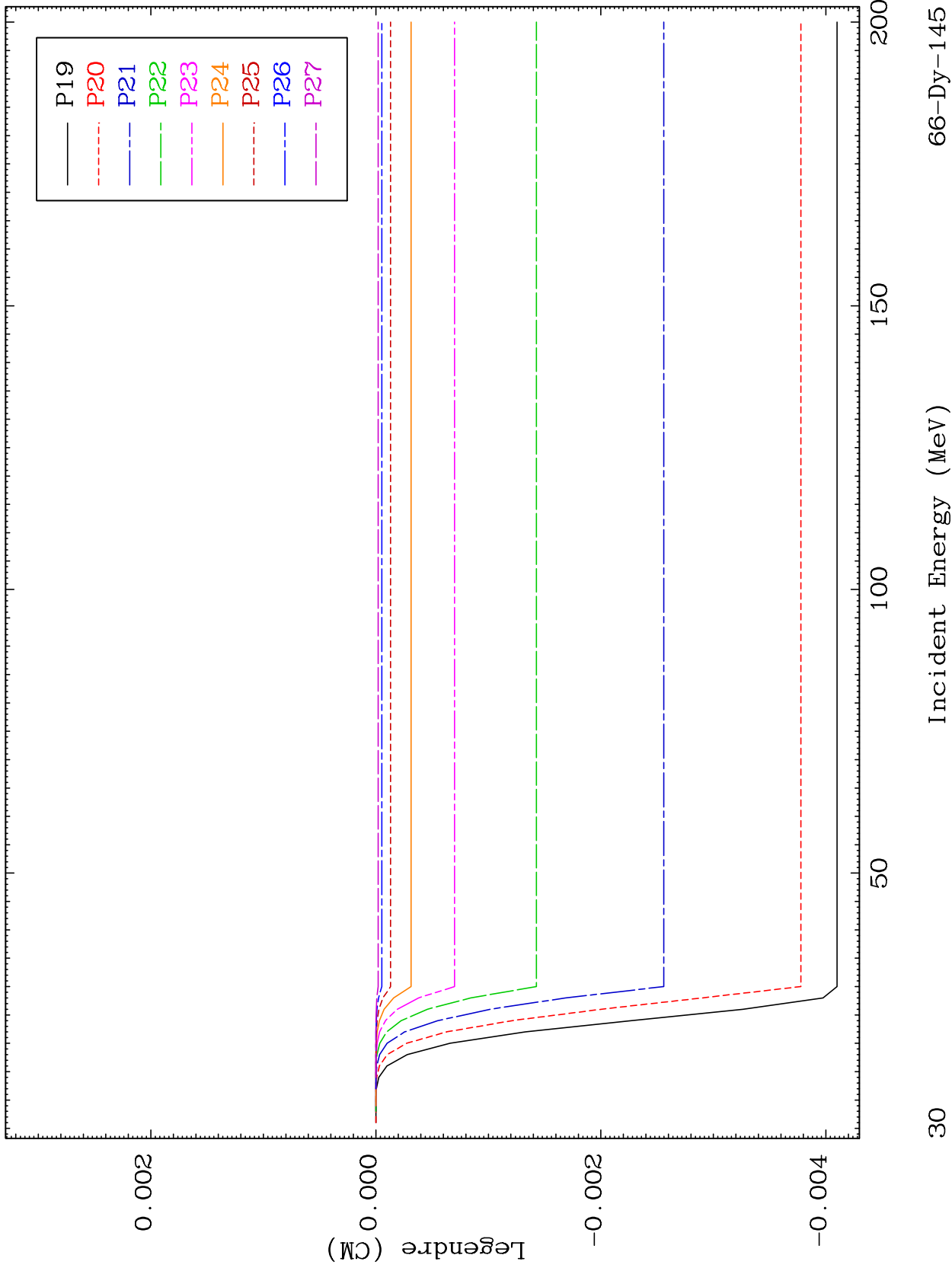
Incident Energy (MeV)

66-Dy-145

MAT 6592

406.1 keV (n,n') Level
Legendre Coefficients

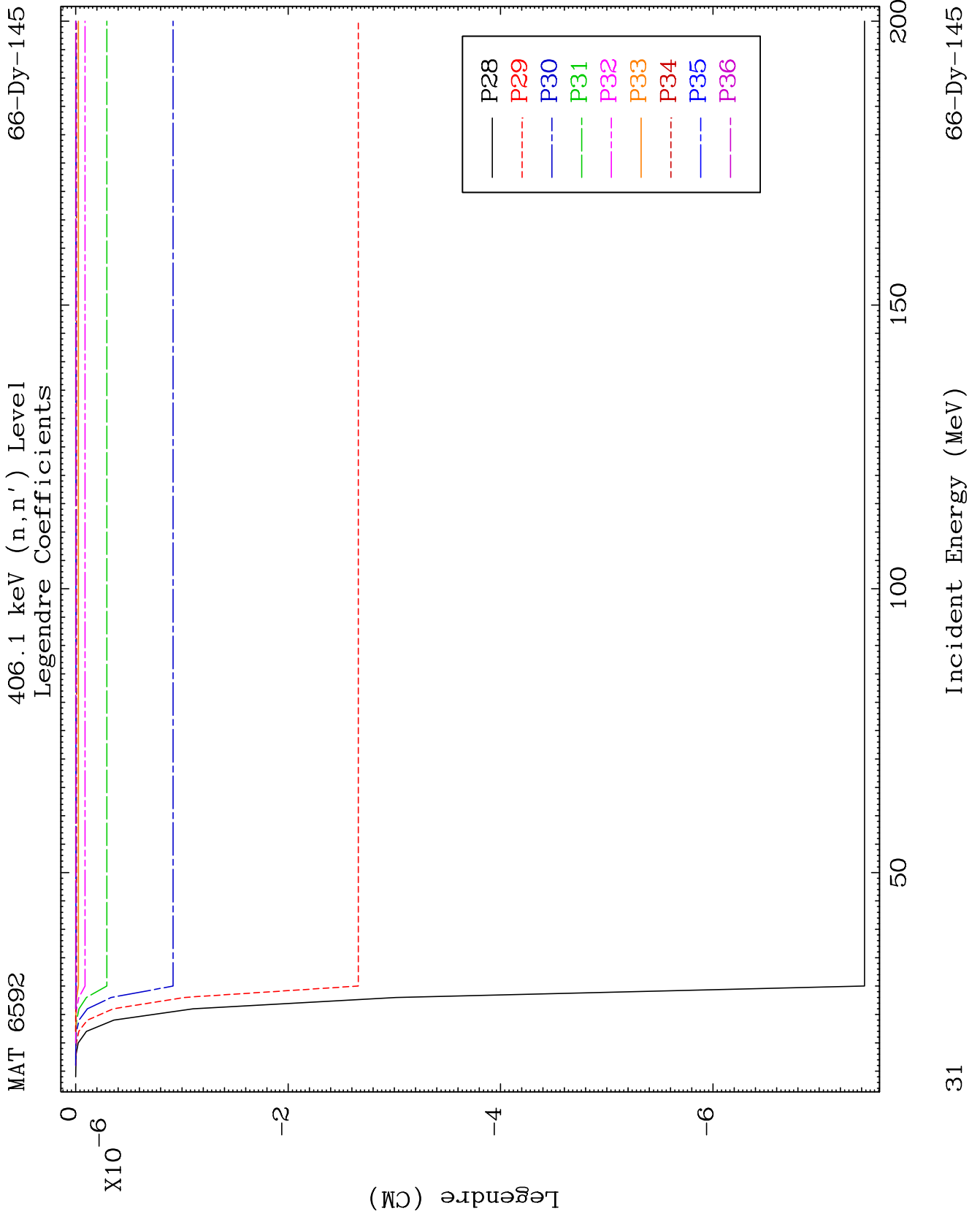
66-Dy-145



30

Incident Energy (MeV)

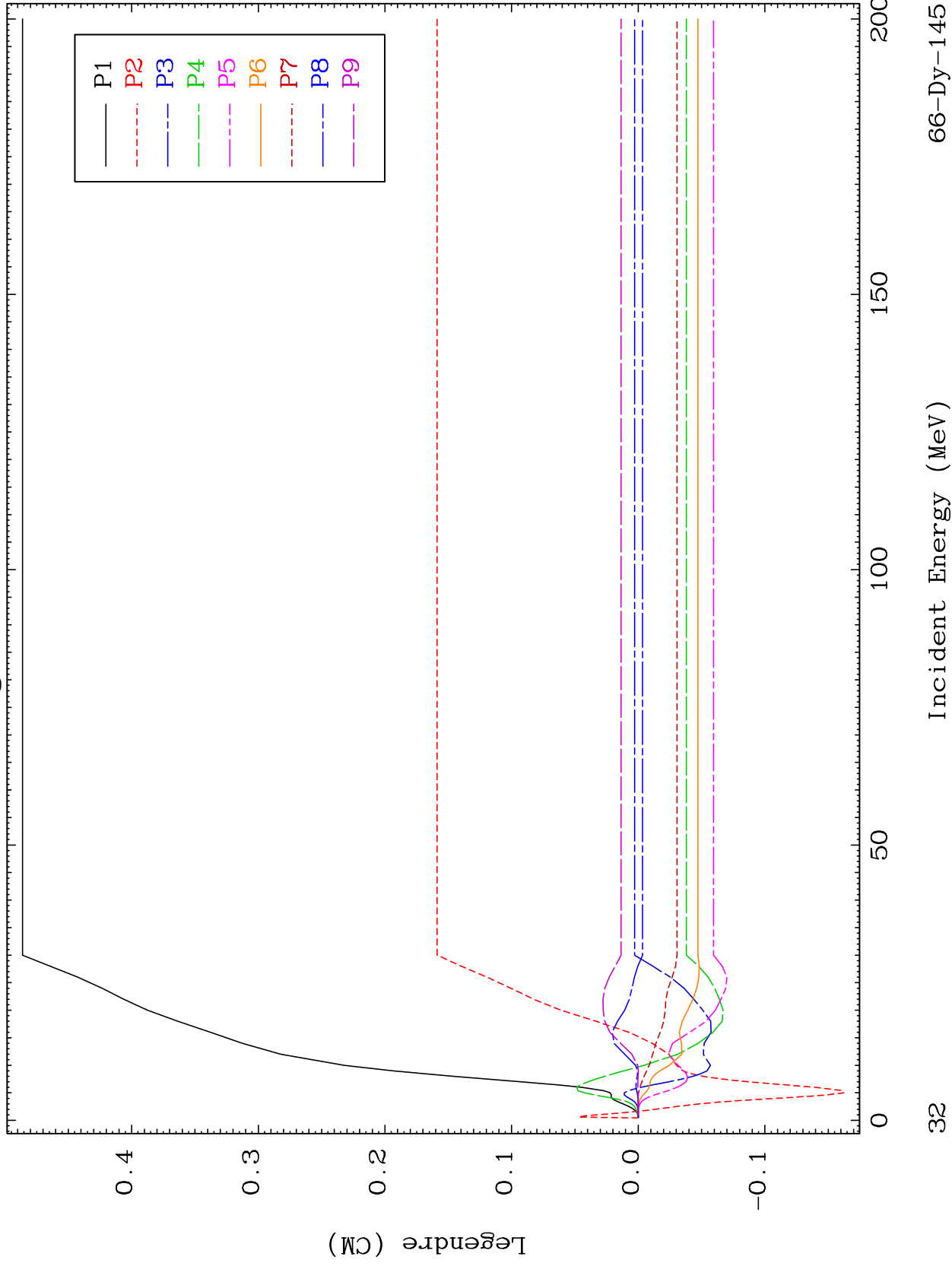
66-Dy-145



MAT 6592

431.1 keV (n,n') Level
Legendre Coefficients

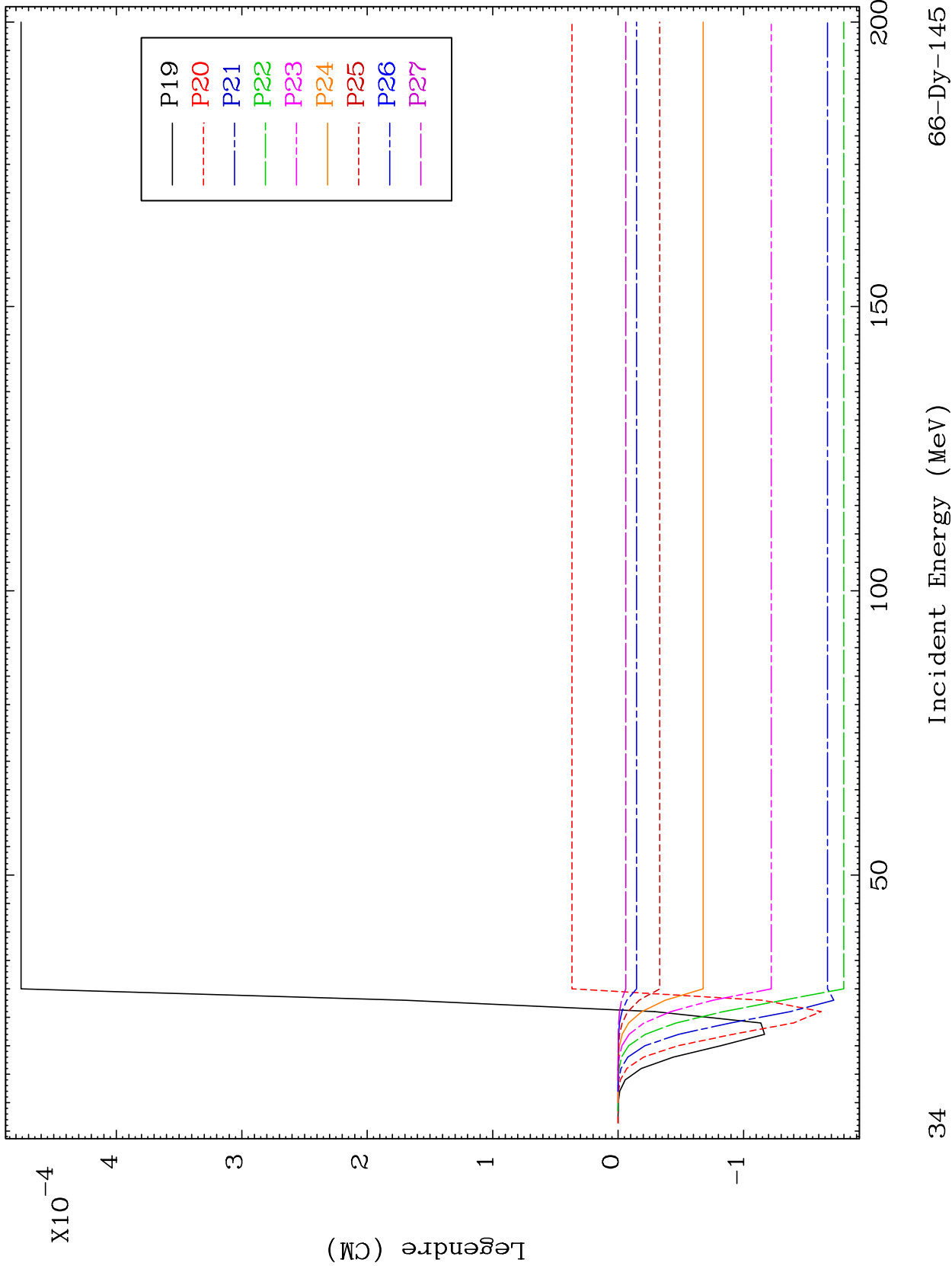
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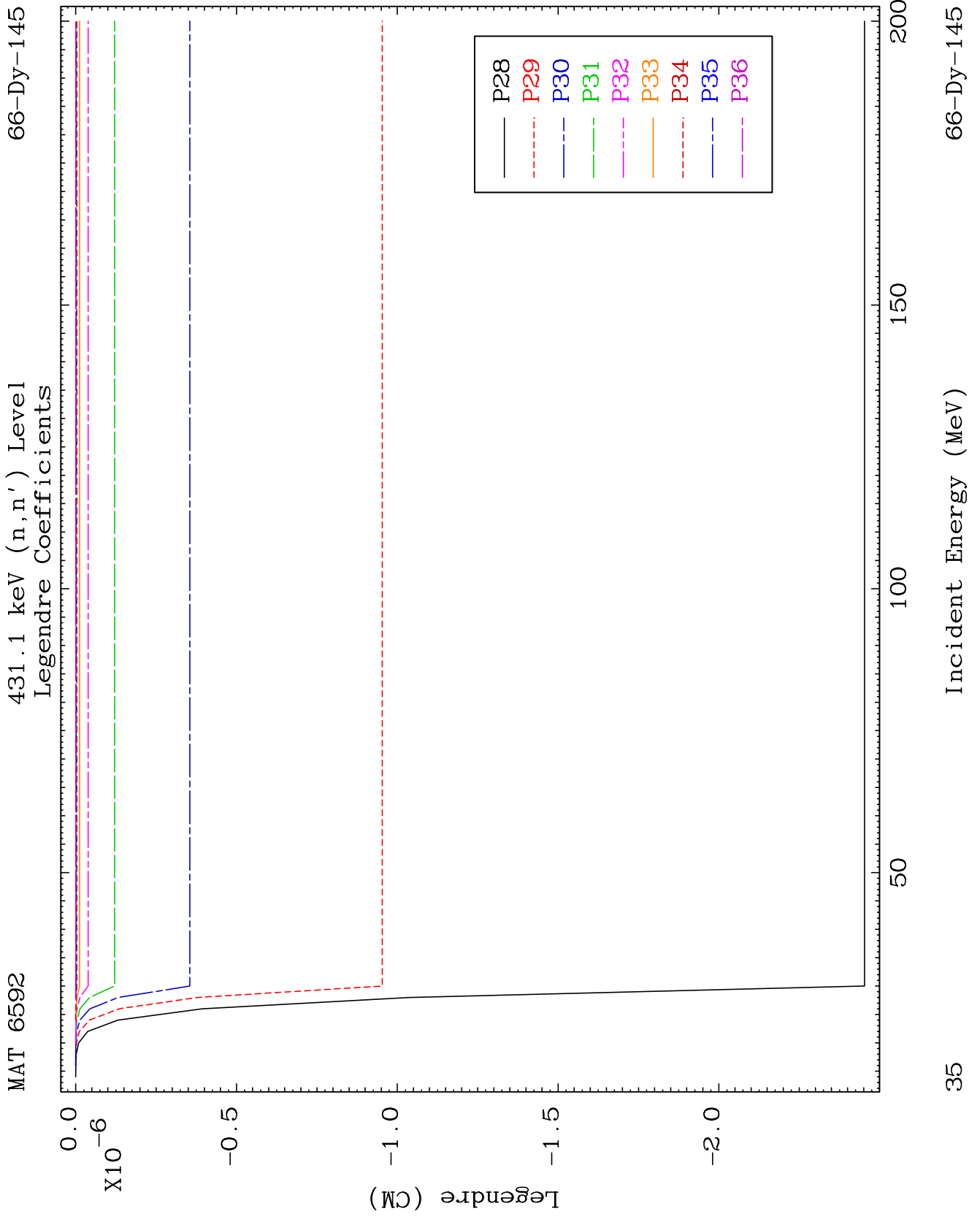


66-Dy-145

Incident Energy (MeV)

32

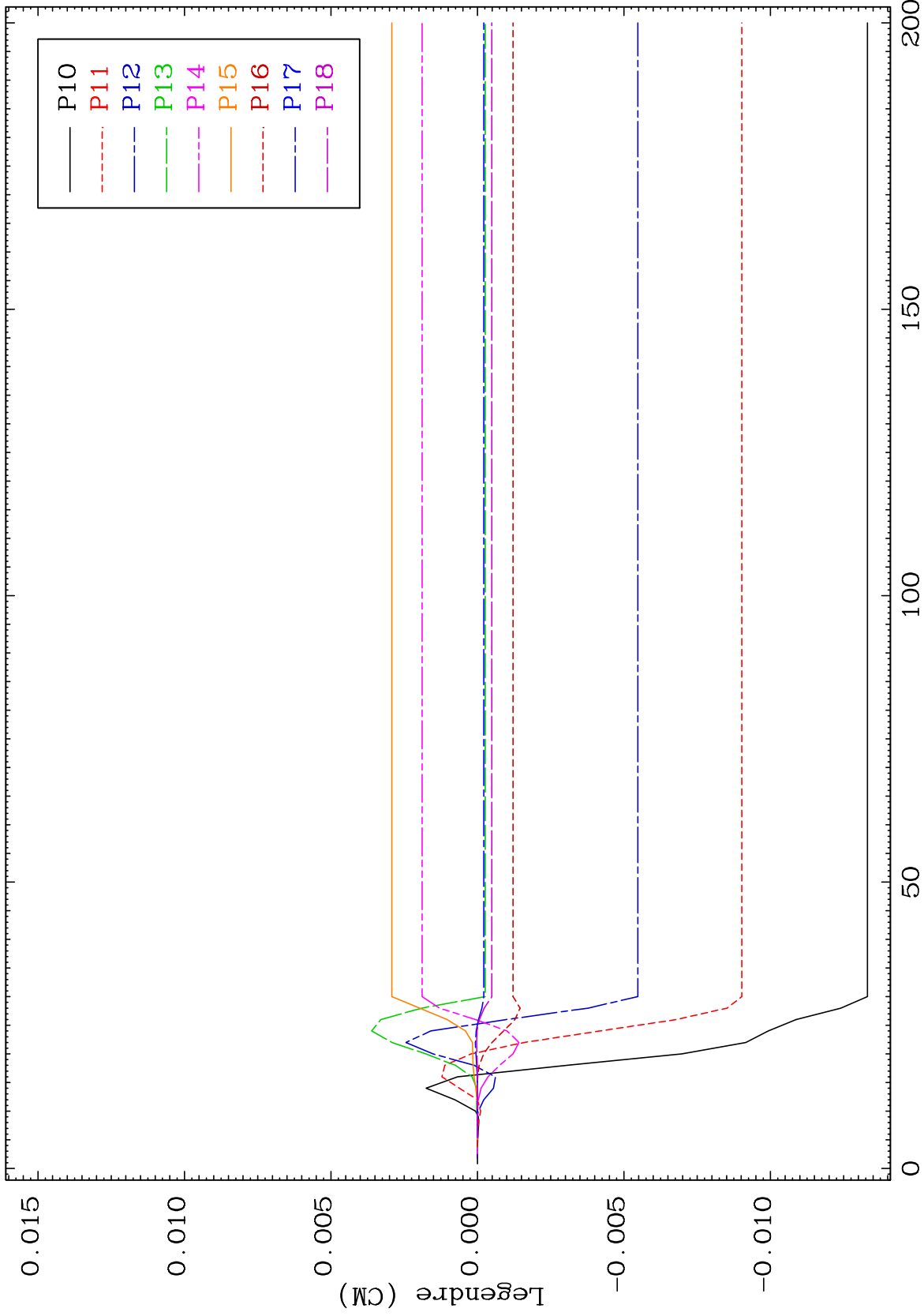




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681.5 keV (n,n') Level
Legendre Coefficients

66-Dy-145



37

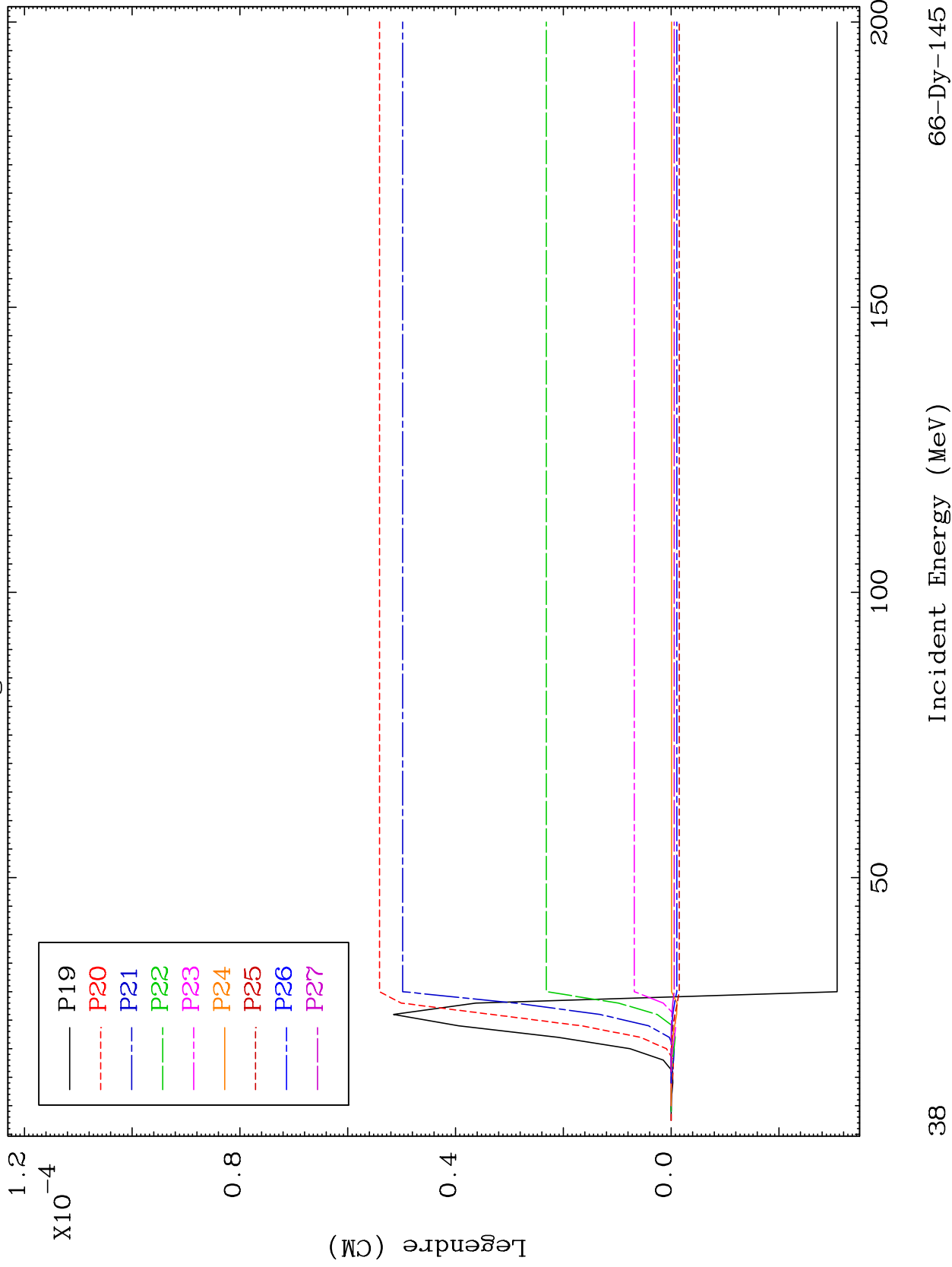
Incident Energy (MeV)

66-Dy-145

MAT 6592

681.5 keV (n,n') Level
Legendre Coefficients

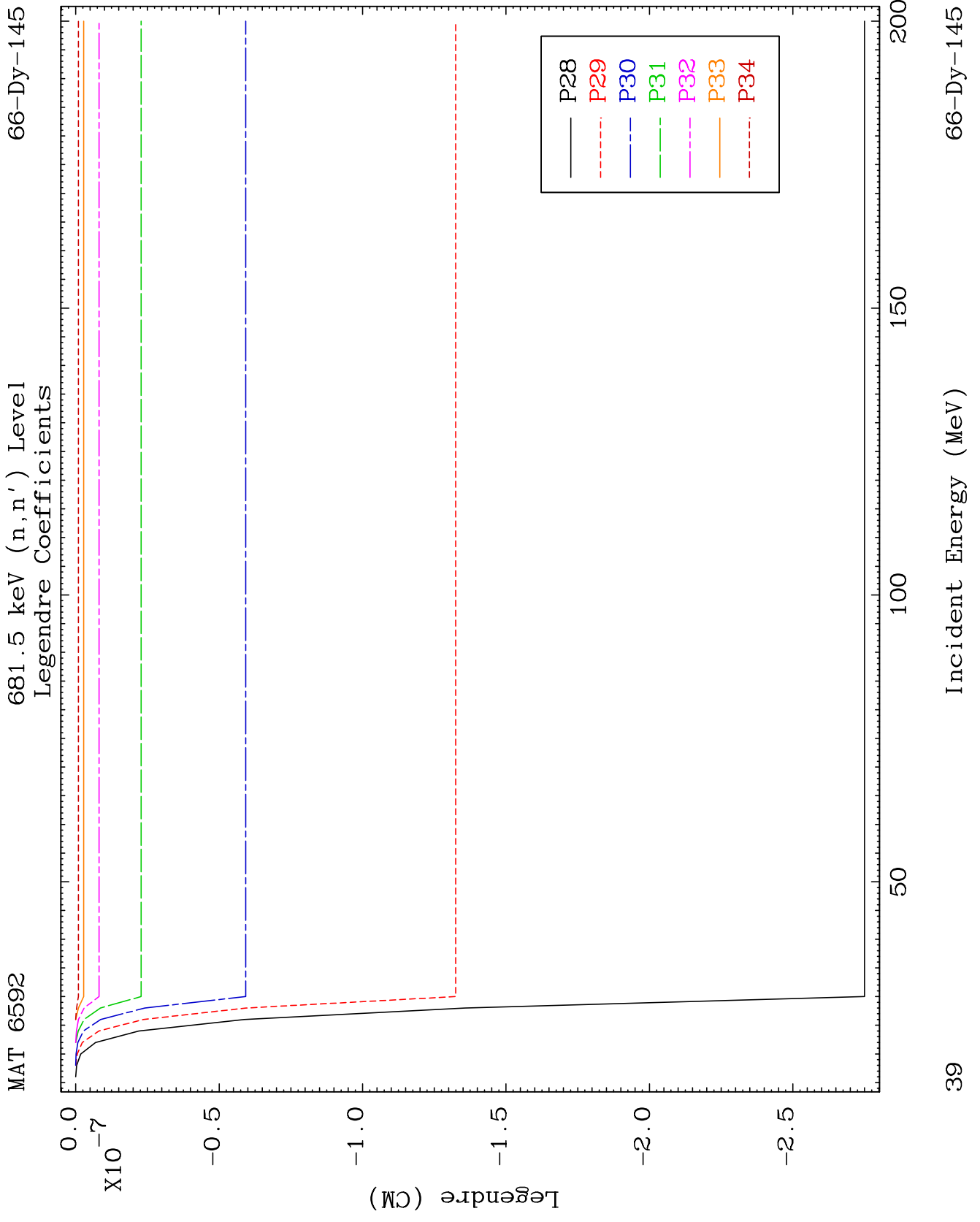
66-Dy-145



38

Incident Energy (MeV)

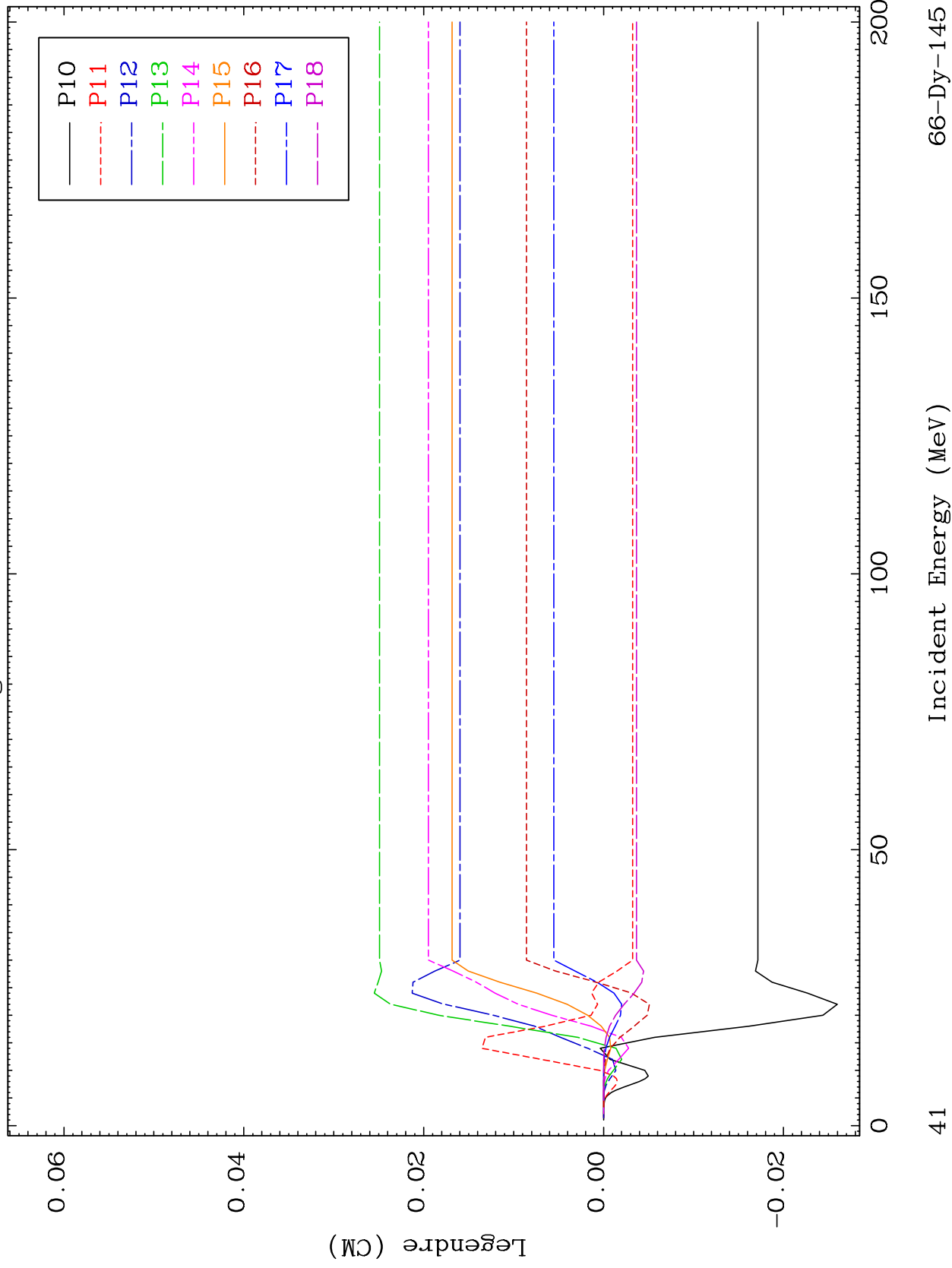
66-Dy-145



MAT 6592

740.2 keV (n,n') Level
Legendre Coefficients

66-Dy-145



41

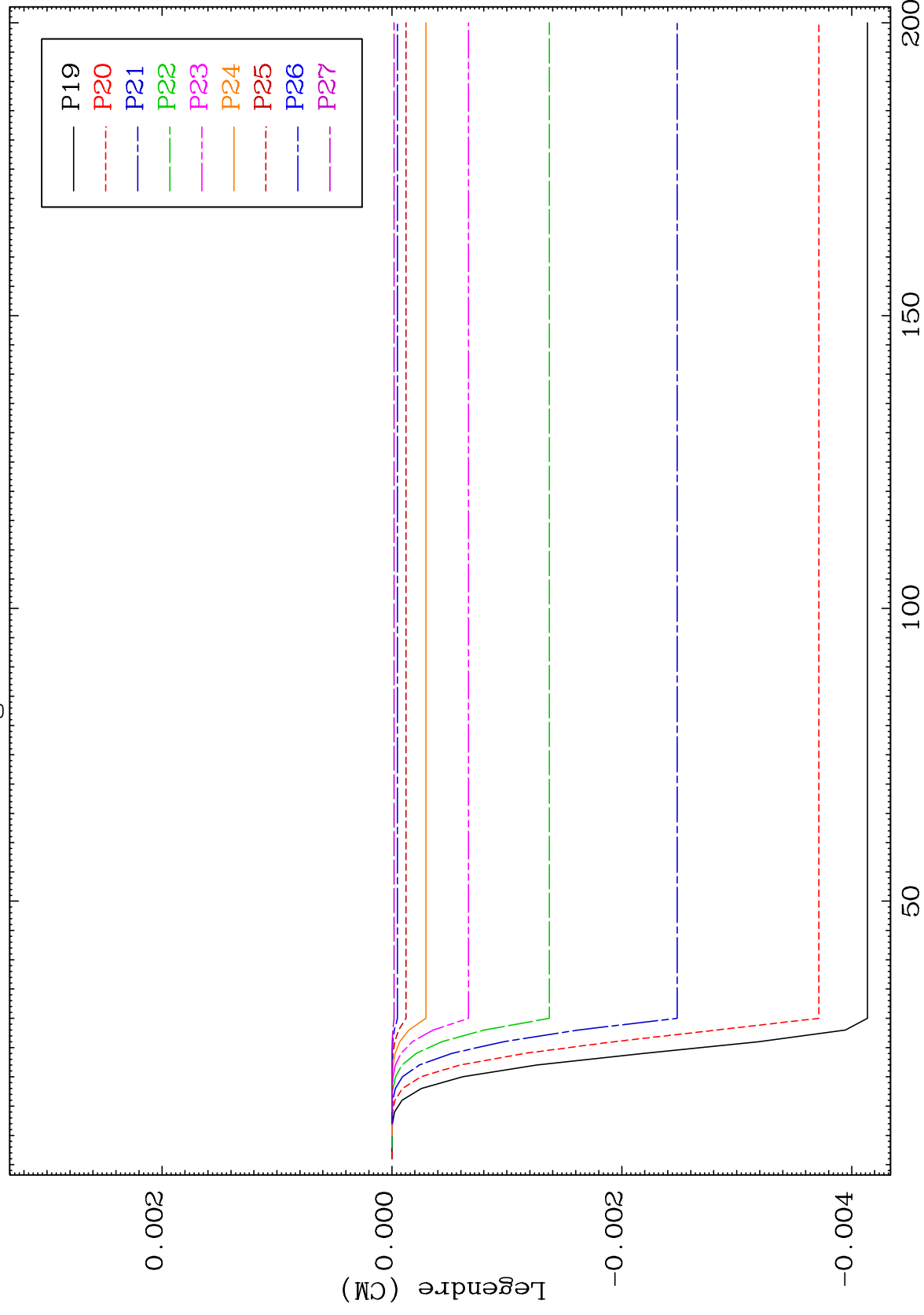
Incident Energy (MeV)

66-Dy-145

MAT 6592

740.2 keV (n,n') Level
Legendre Coefficients

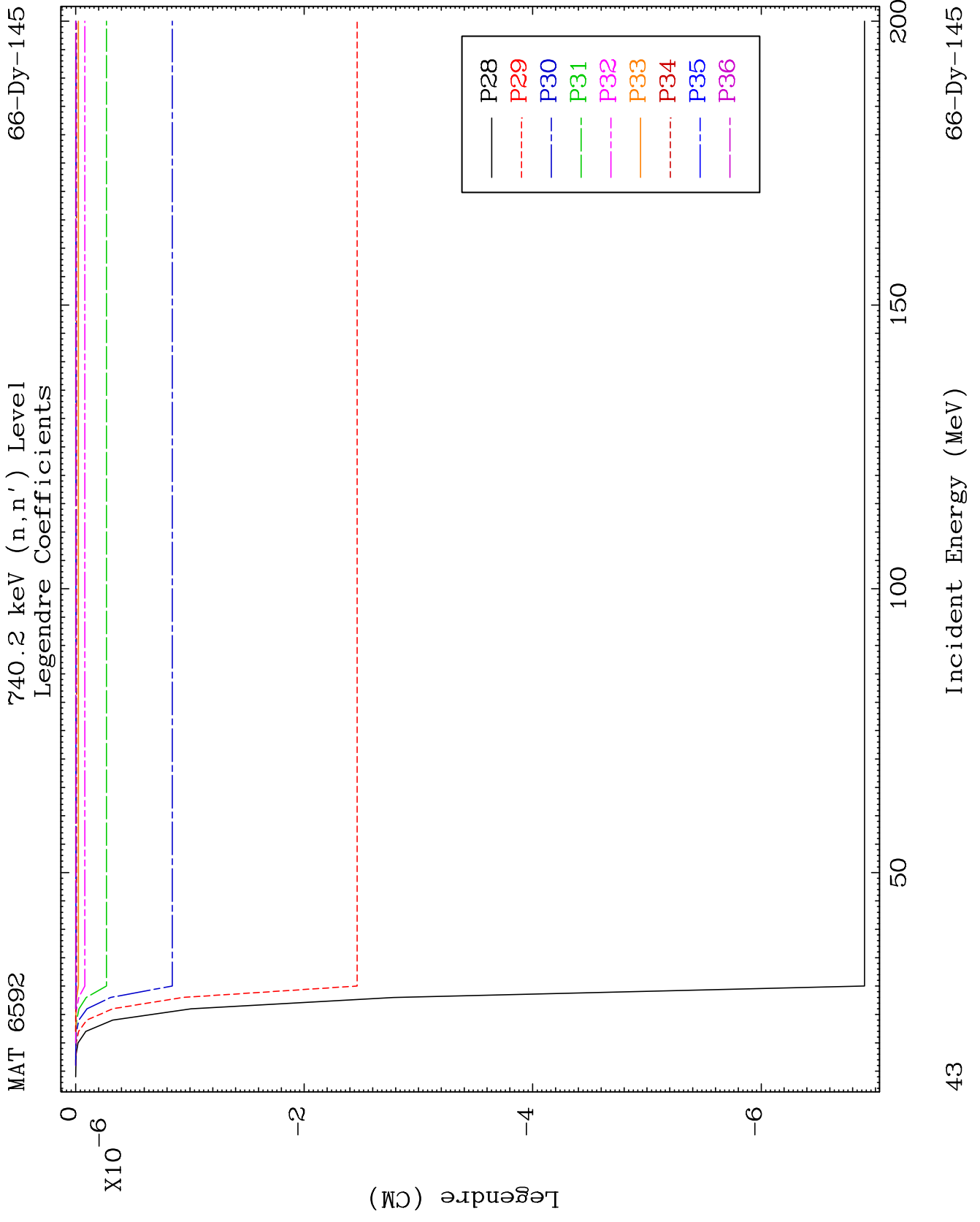
66-Dy-145



42

Incident Energy (MeV)

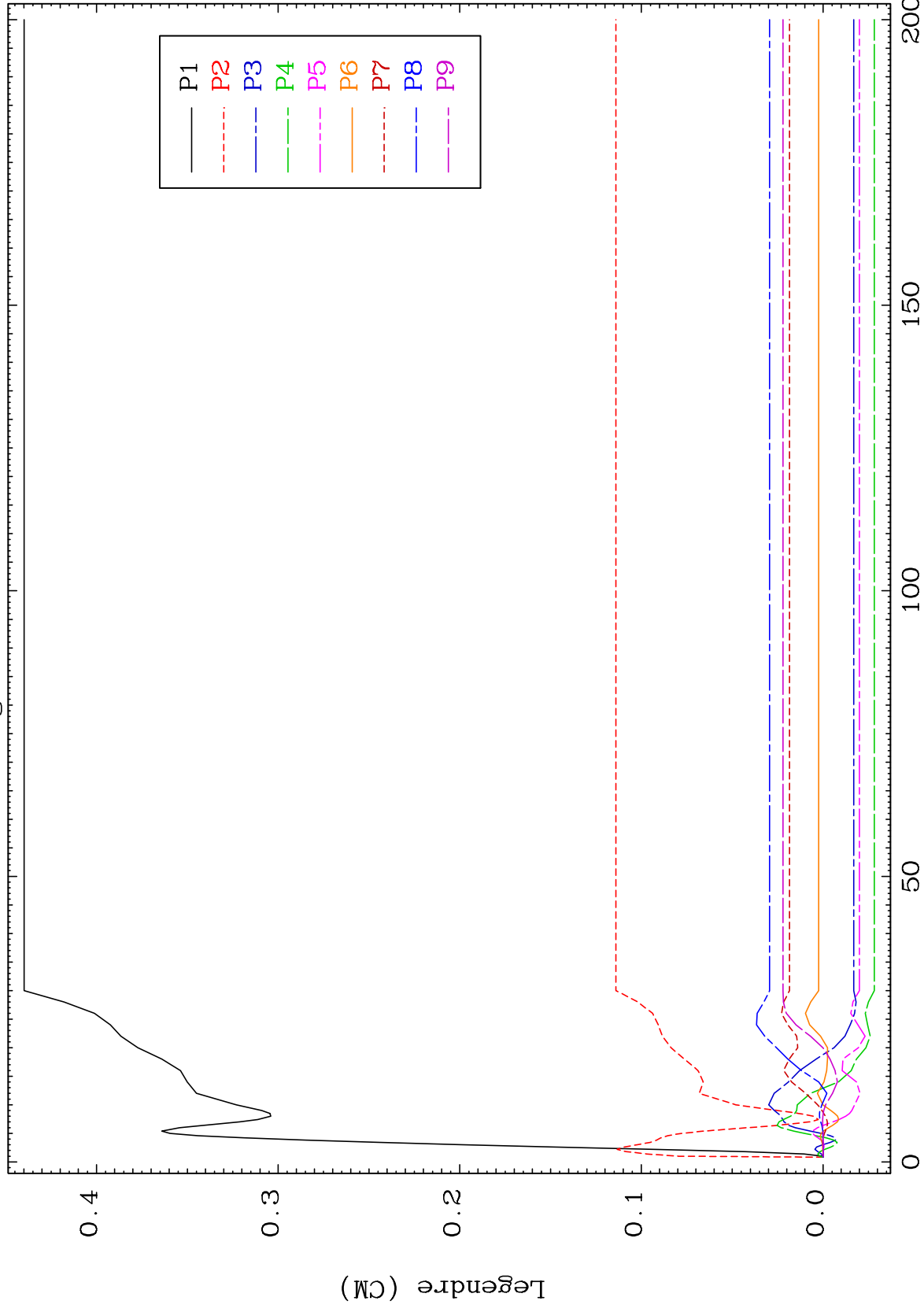
66-Dy-145



MAT 6592

818.7 keV (n,n') Level
Legendre Coefficients

66-Dy-145



44

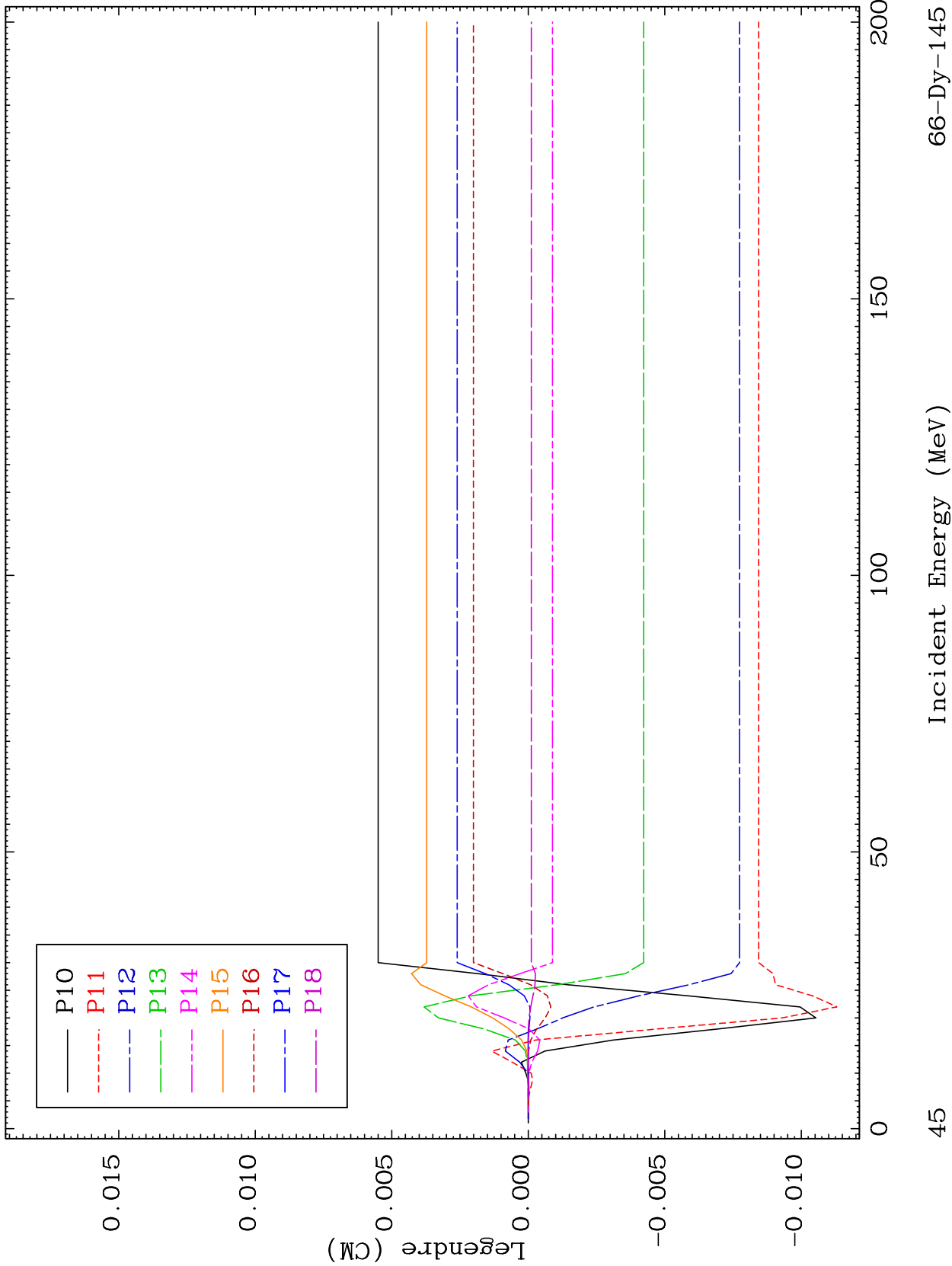
Incident Energy (MeV)

66-Dy-145

MAT 6592

818.7 keV (n,n') Level
Legendre Coefficients

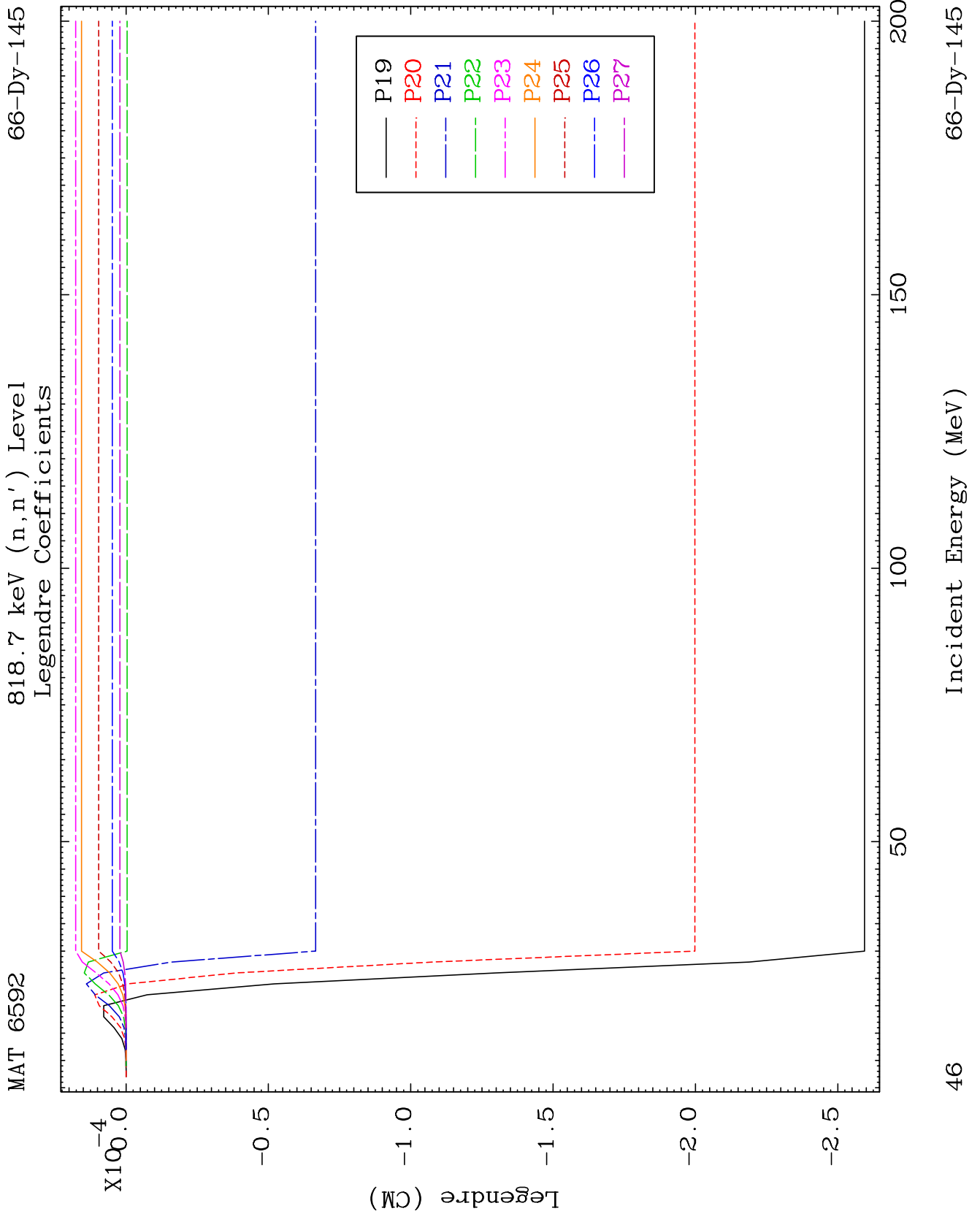
66-Dy-145



66-Dy-145

Incident Energy (MeV)

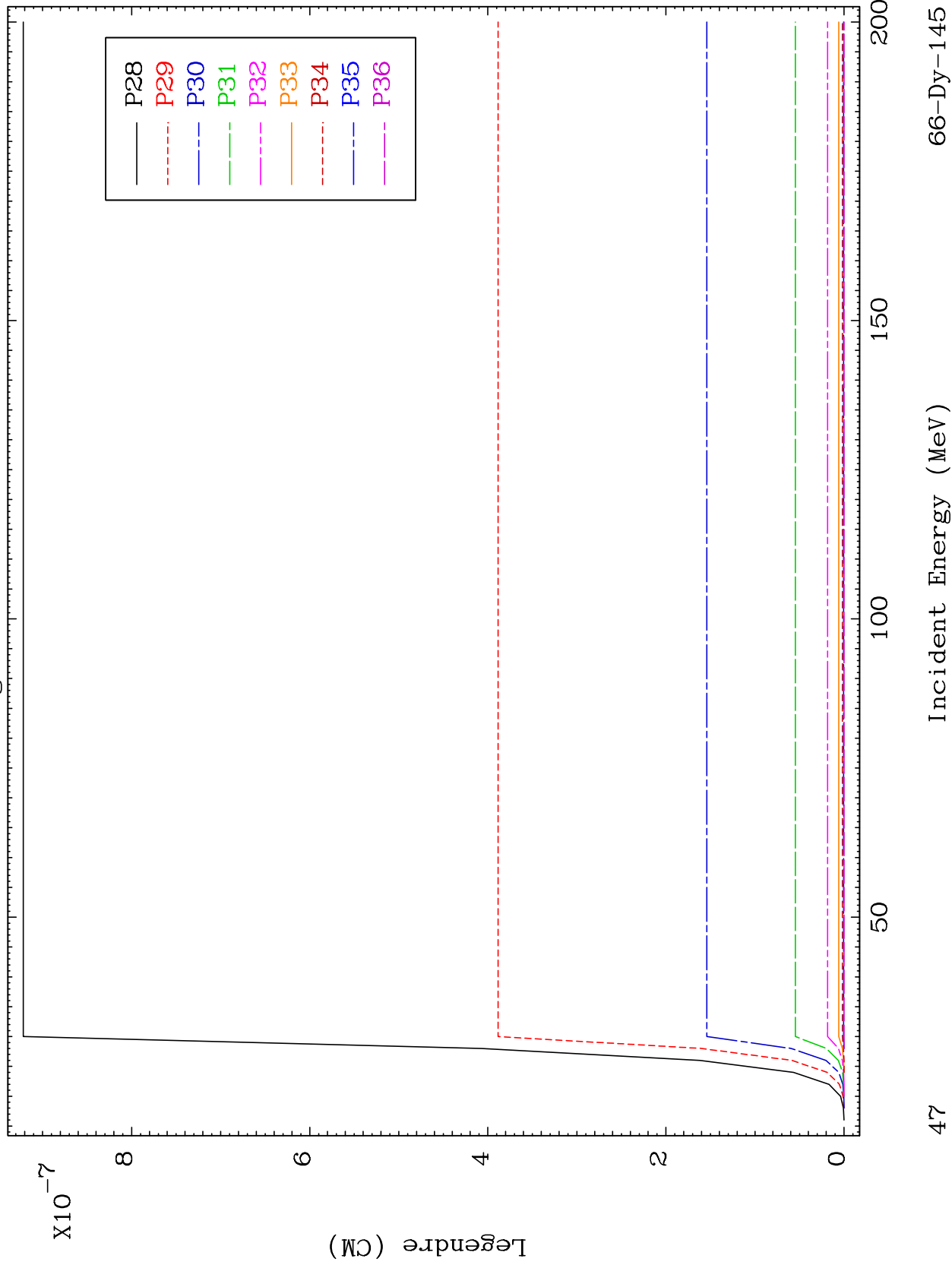
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MAT 6592

818.7 keV (n,n') Level
Legendre Coefficients

66-Dy-145



47

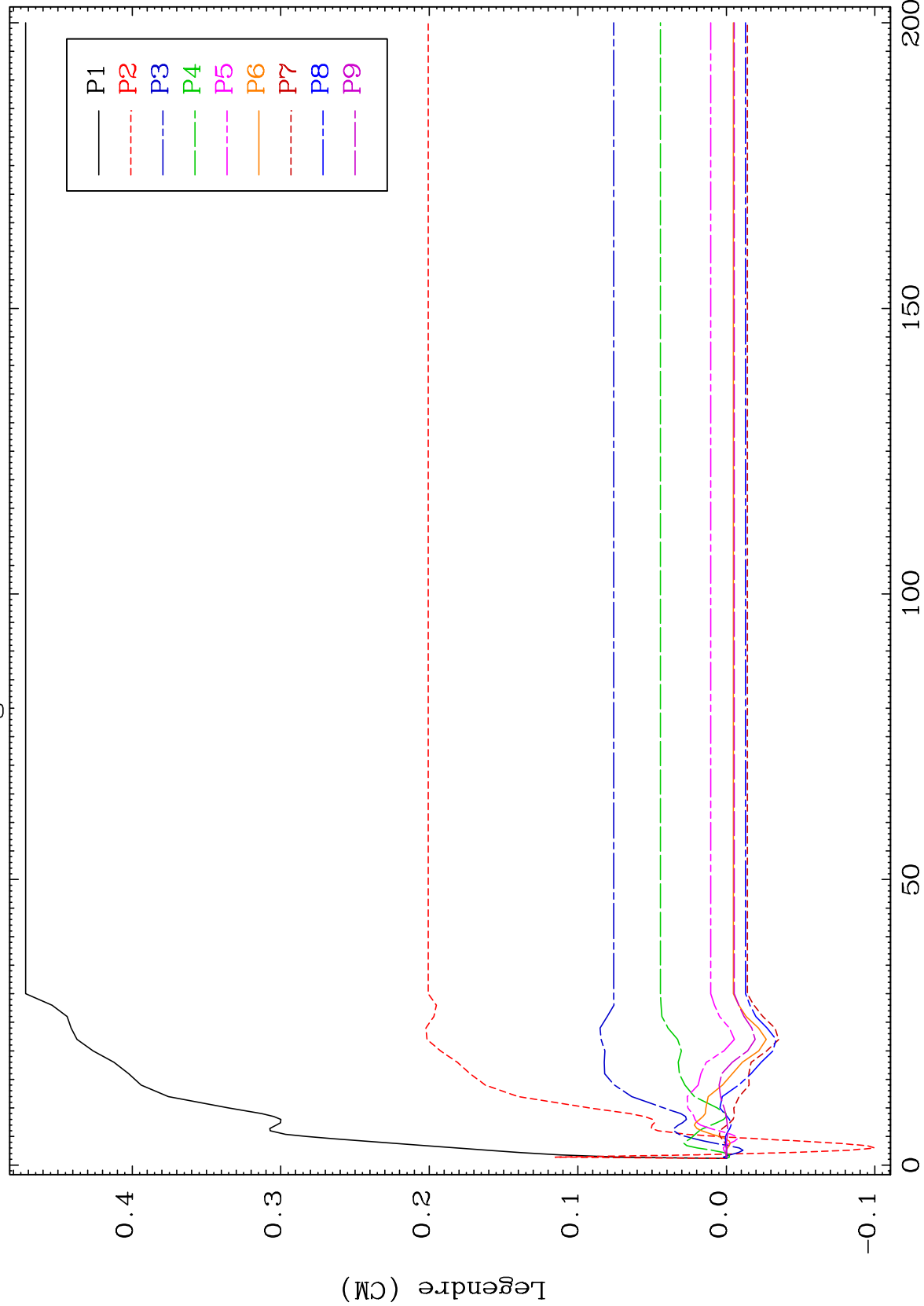
Incident Energy (MeV)

66-Dy-145

MAT 6592

1.142 MeV (n,n') Level
Legendre Coefficients

66-Dy-145



48

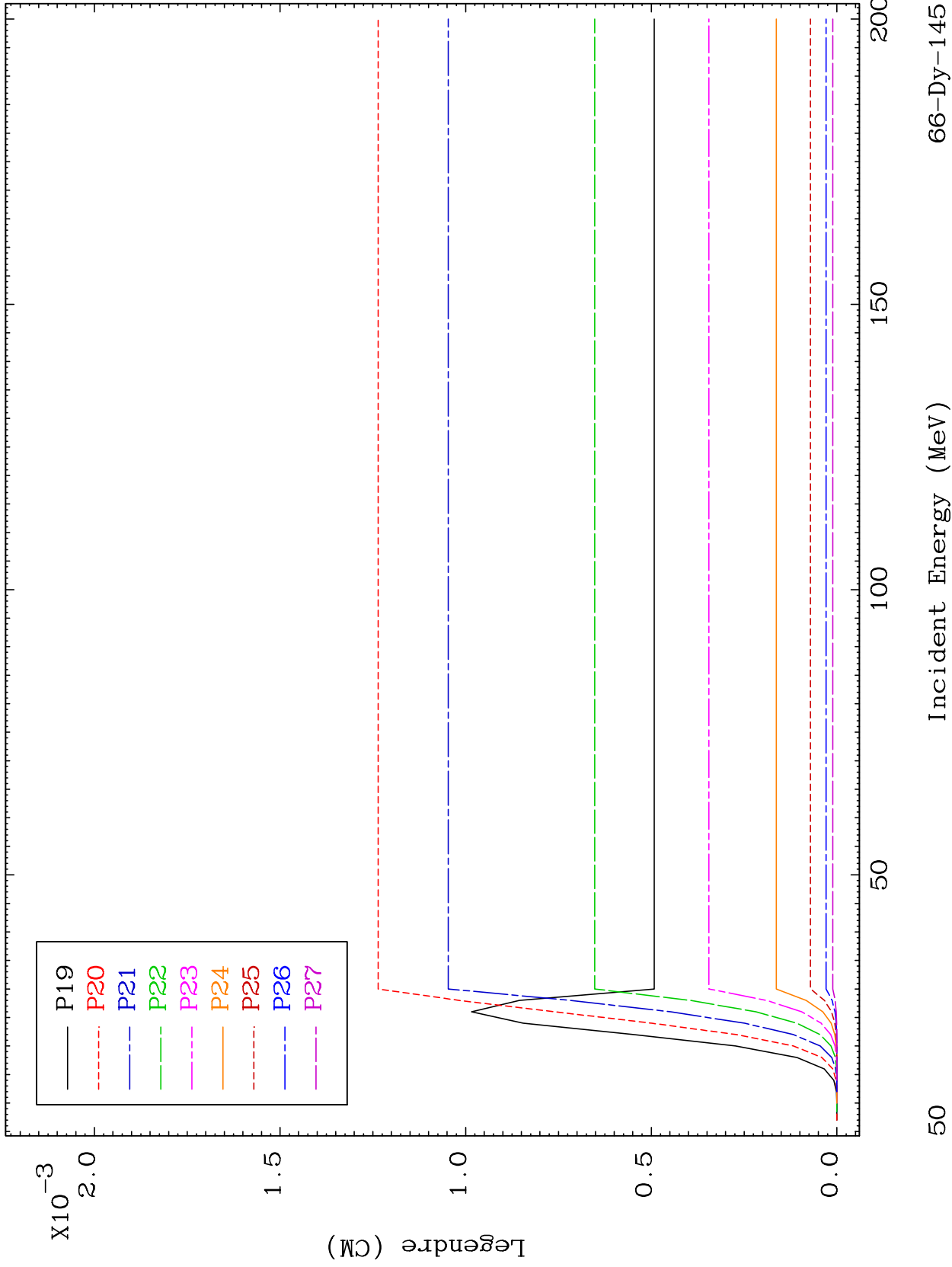
Incident Energy (MeV)

66-Dy-145

MAT 6592

1.142 MeV (n,n') Level
Legendre Coefficients

66-Dy-145



66-Dy-145

Incident Energy (MeV)

50

50

100

150

200

10^{-3}
2.0

1.5

1.0

0.5

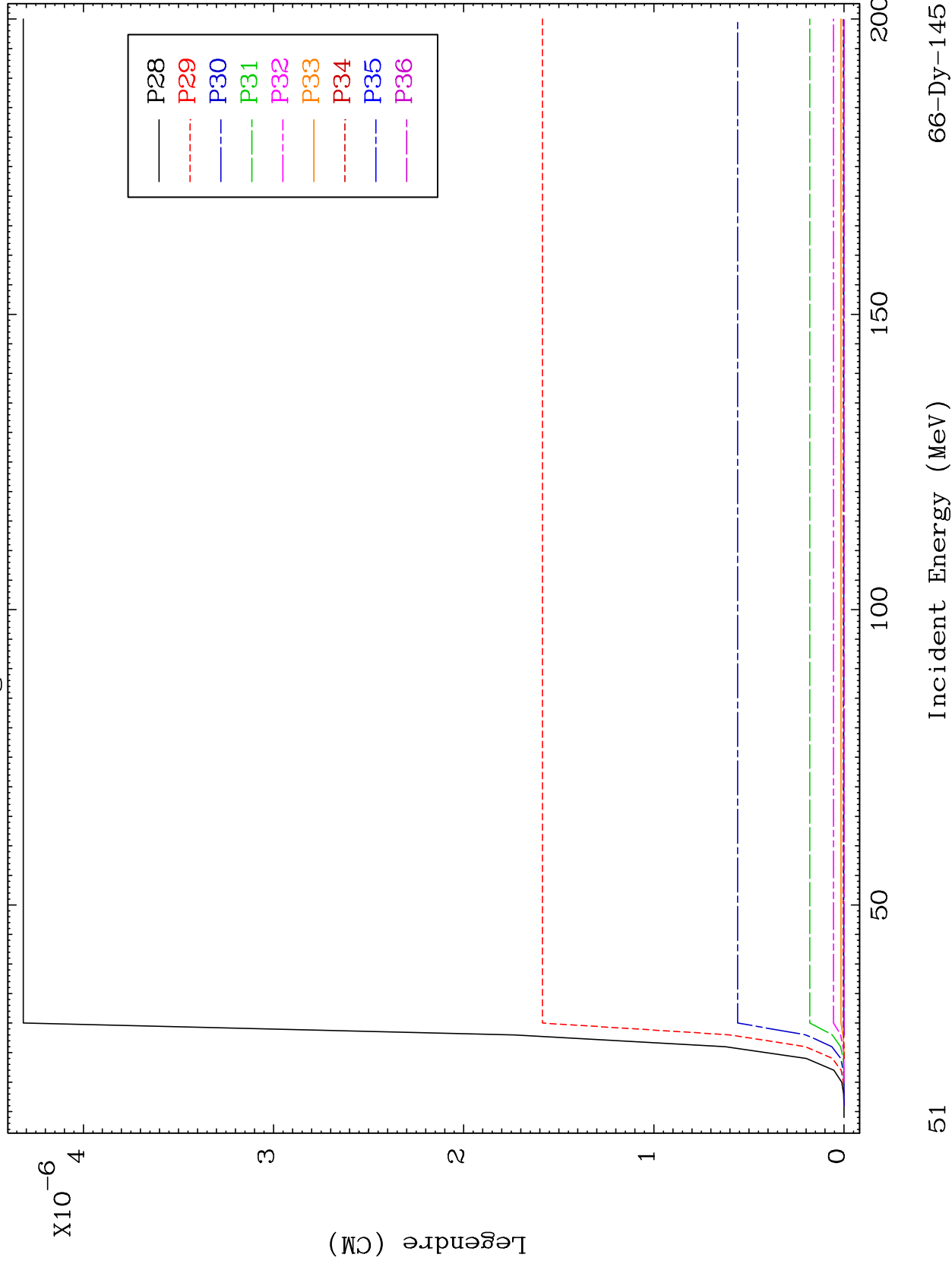
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Legendre (CM)

MAT 6592

1.142 MeV (n, n') Level
Legendre Coefficients

66-Dy-145



51

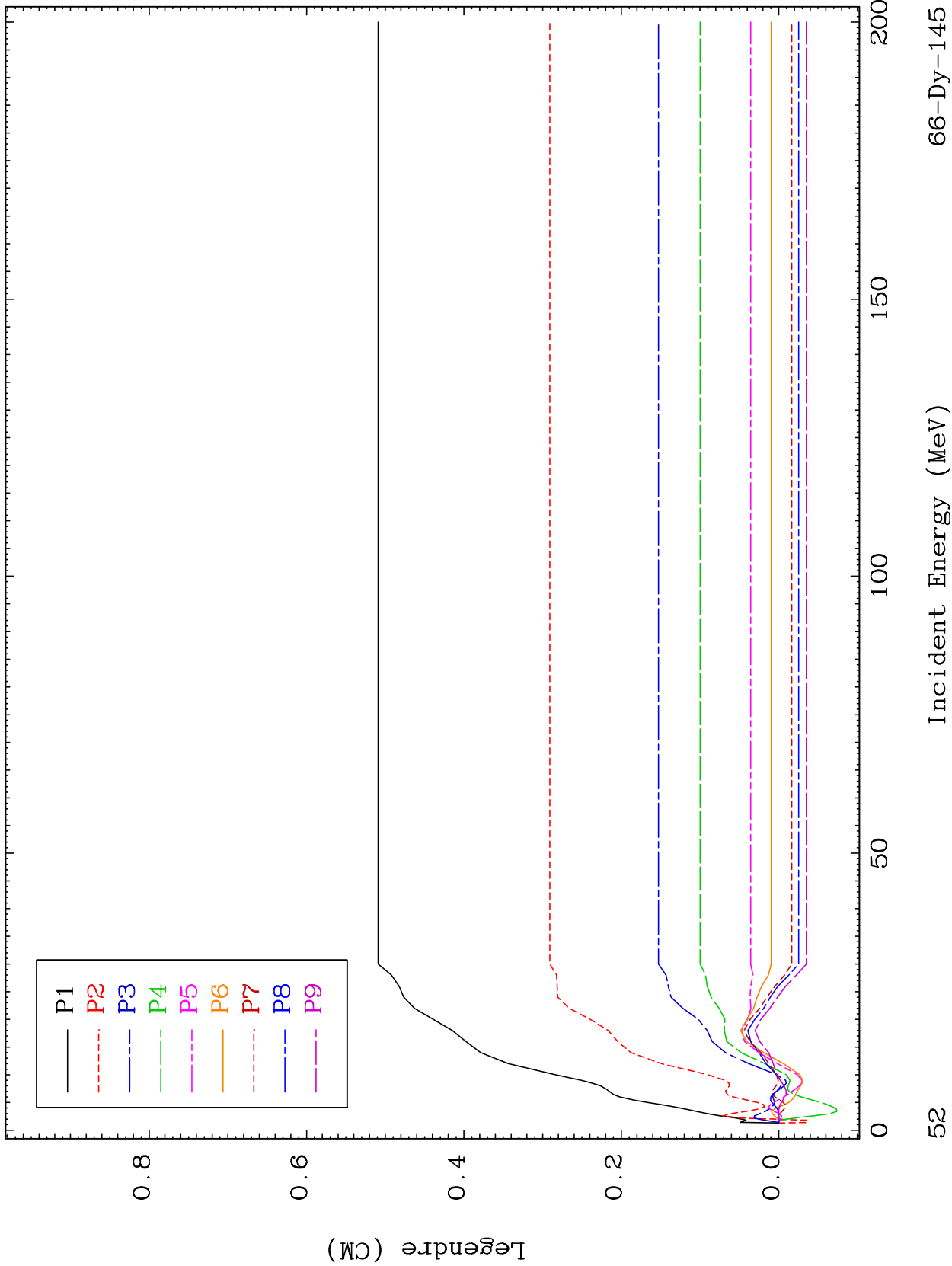
Incident Energy (MeV)

66-Dy-145

MAT 6592

1.283 MeV (n,n') Level Legendre Coefficients

66-Dy-145



52

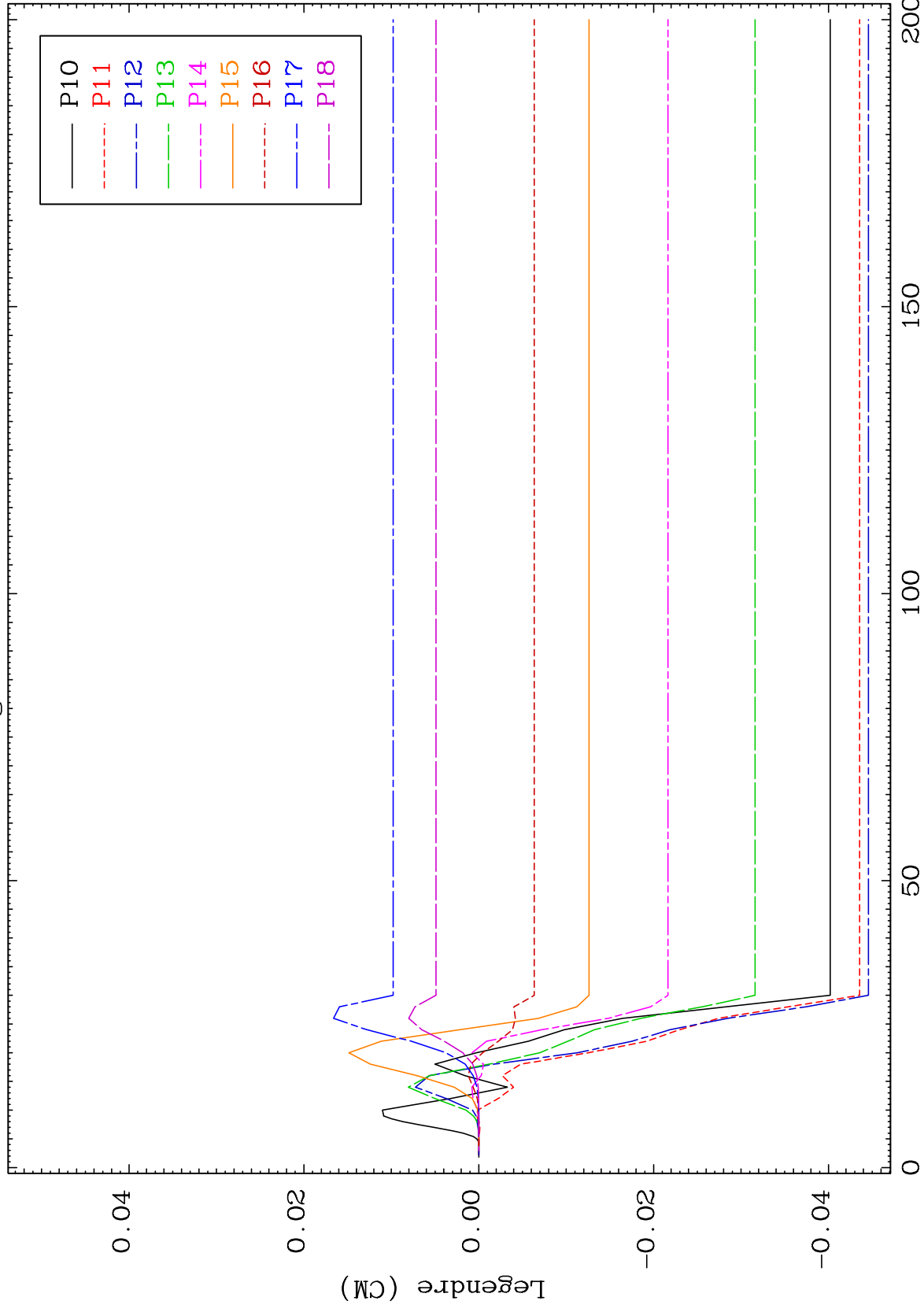
Incident Energy (MeV)

66-Dy-145

MAT 6592

1.283 MeV (n,n') Level
Legendre Coefficients

66-Dy-145



53

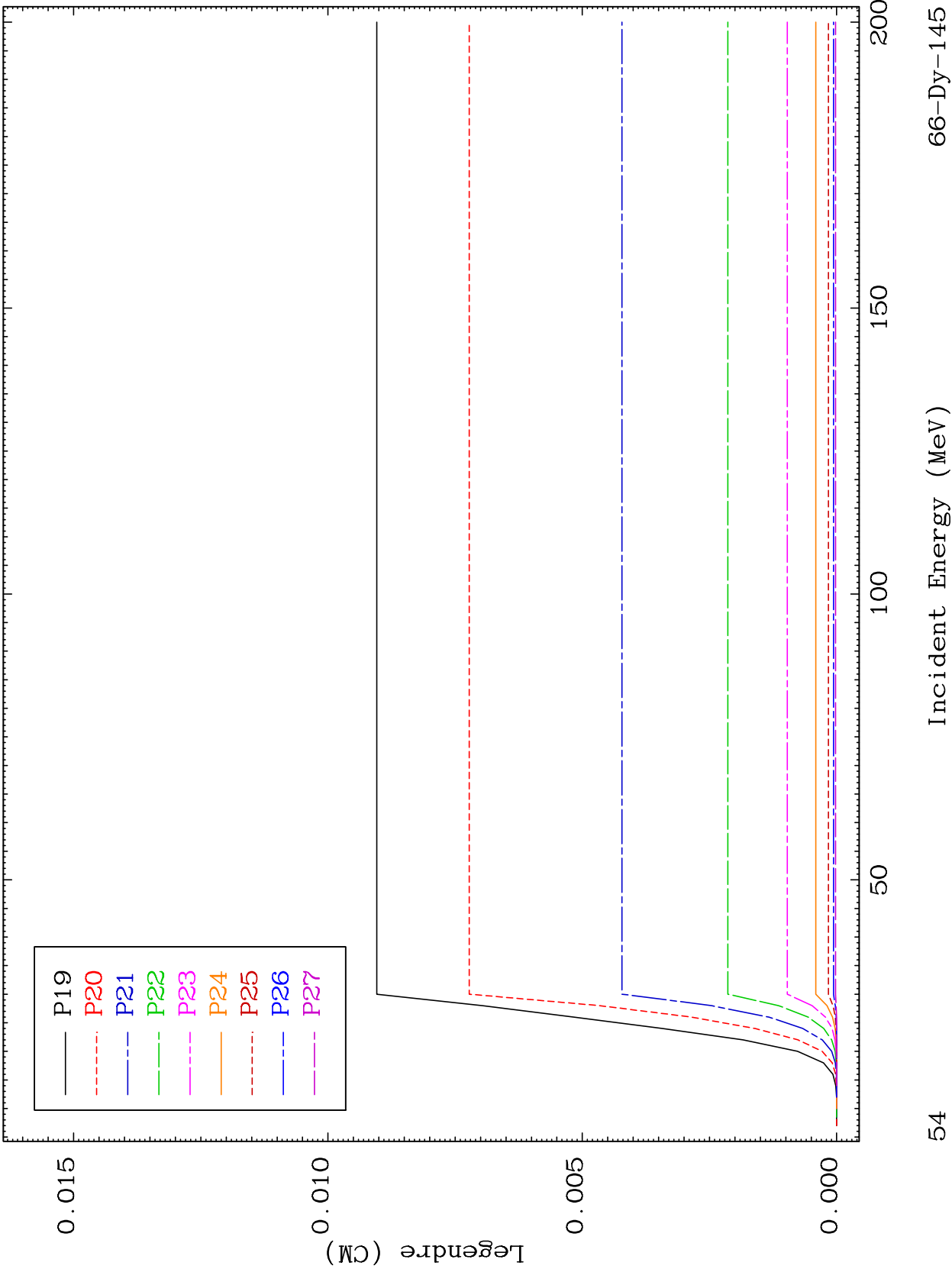
Incident Energy (MeV)

66-Dy-145

MAT 6592

1.283 MeV (n,n') Level
Legendre Coefficients

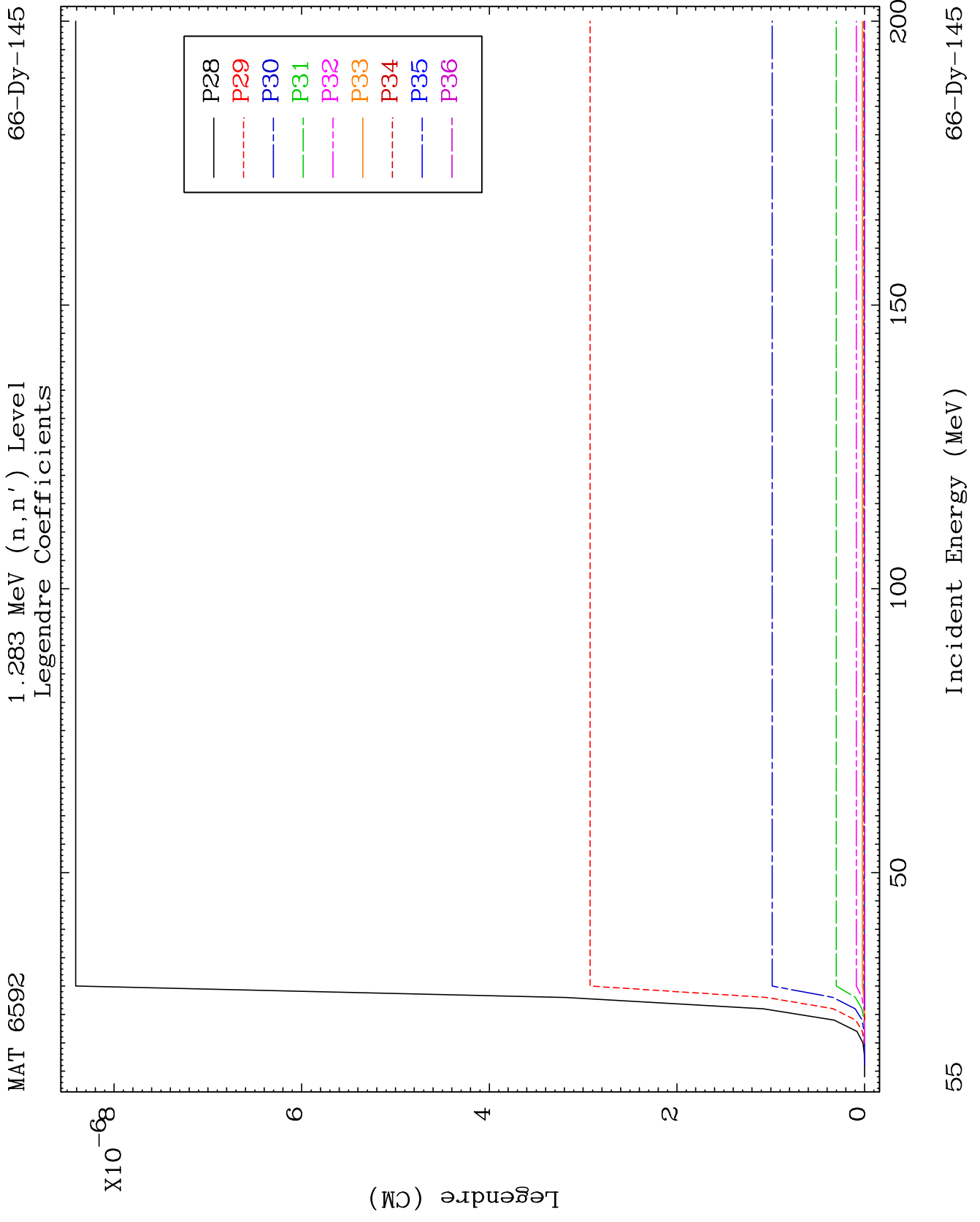
66-Dy-145



54

Incident Energy (MeV)

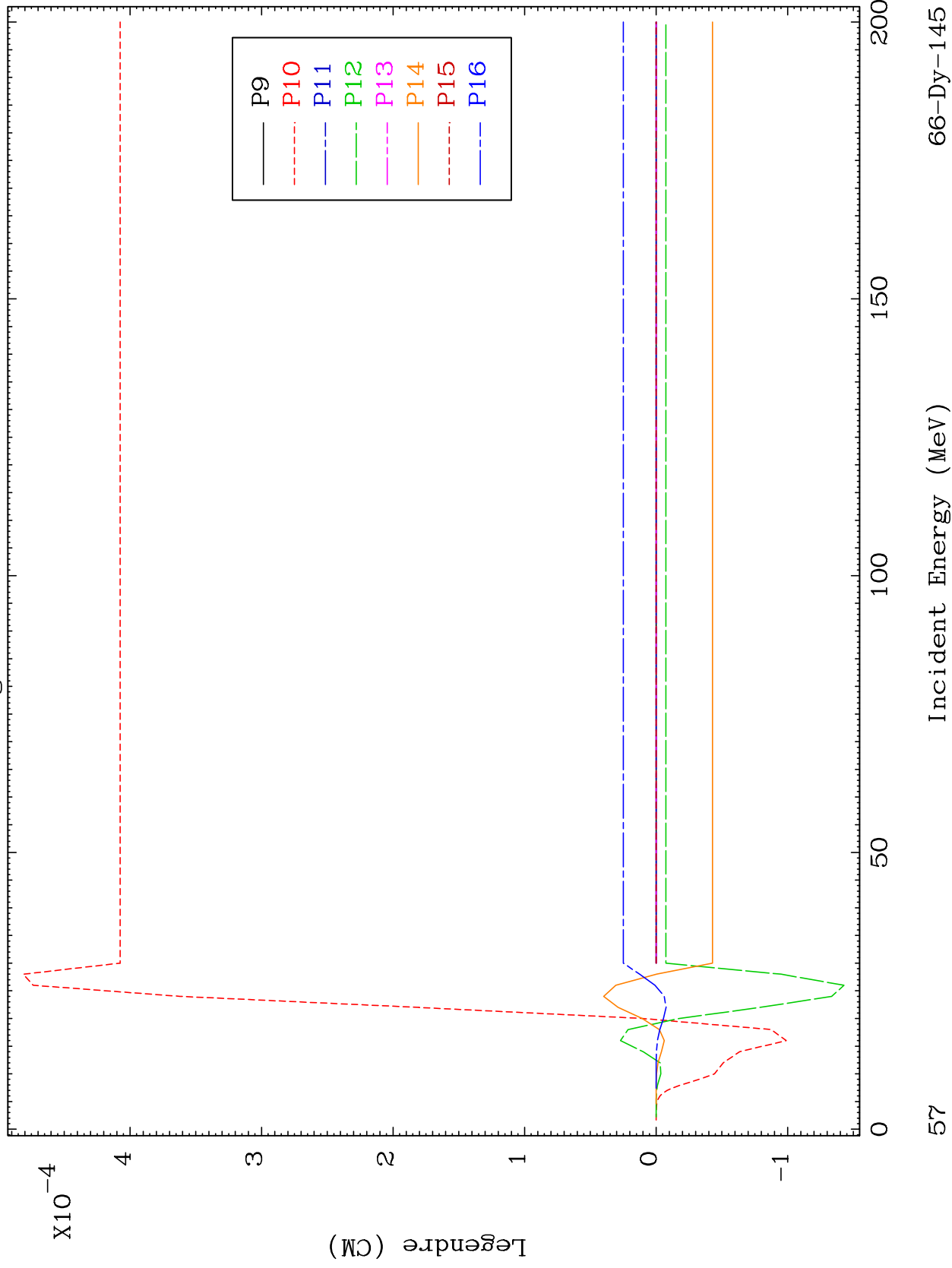
66-Dy-145



MAT 6592

1.636 MeV (n,n') Level
Legendre Coefficients

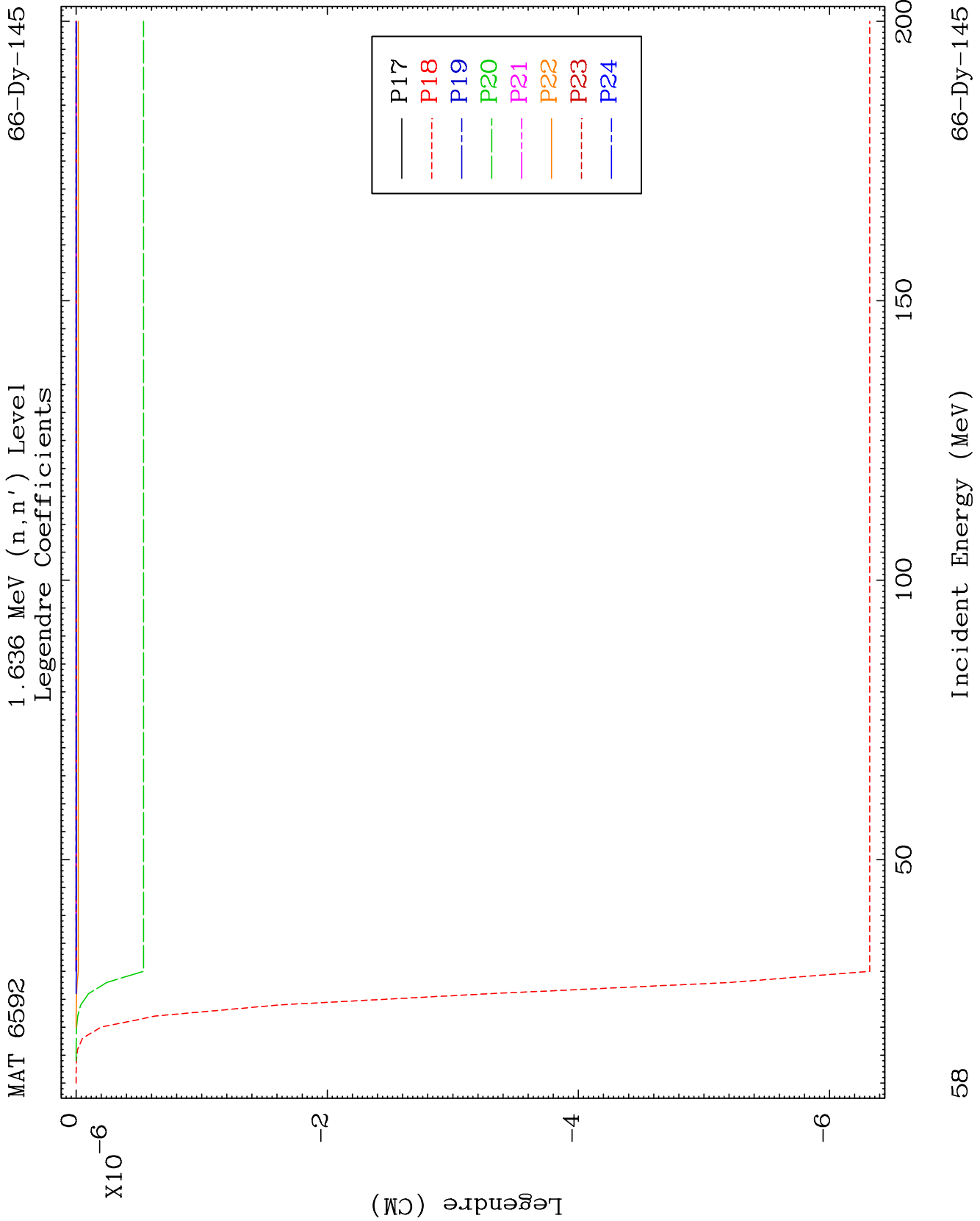
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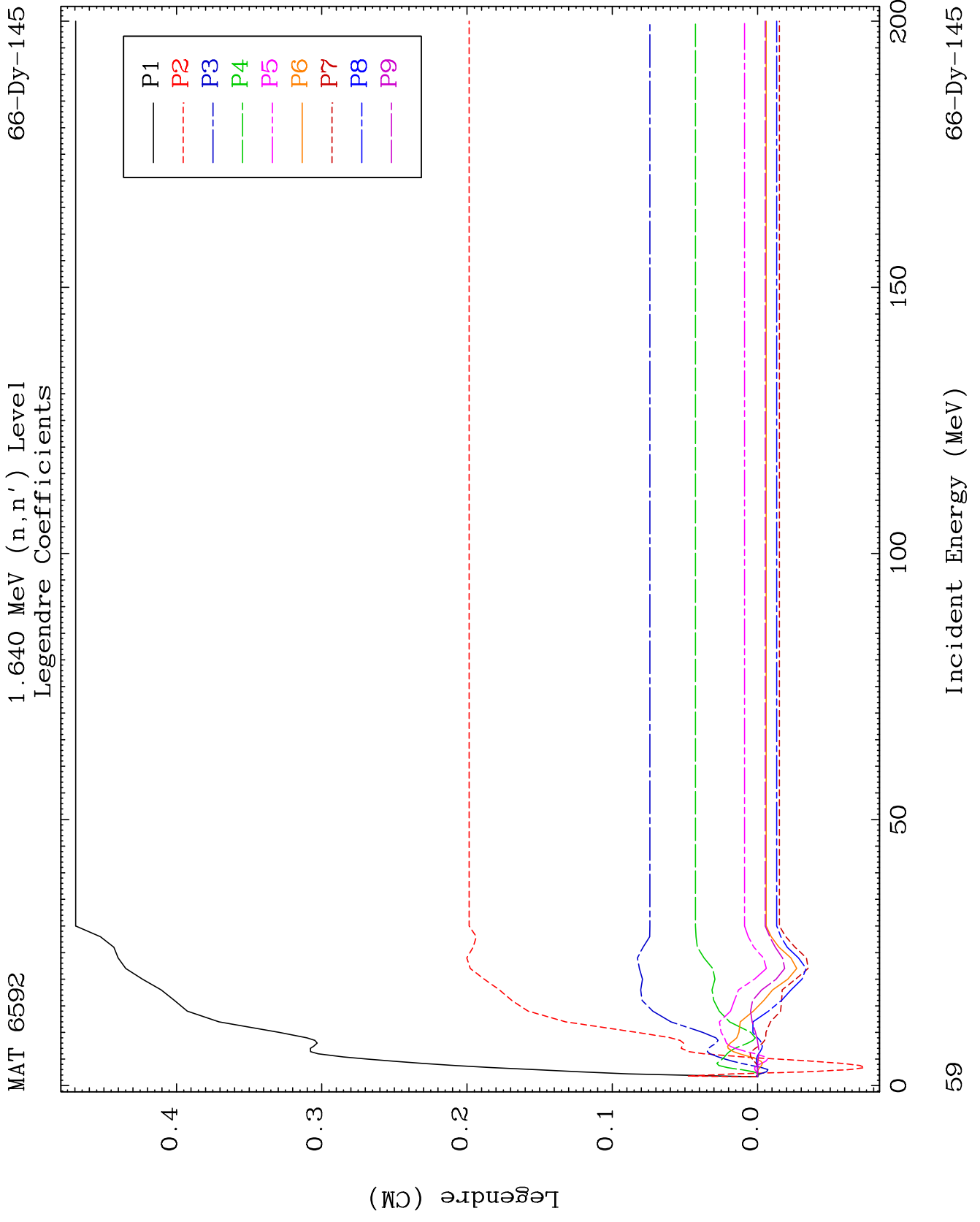


66-Dy-145

Incident Energy (MeV)

57

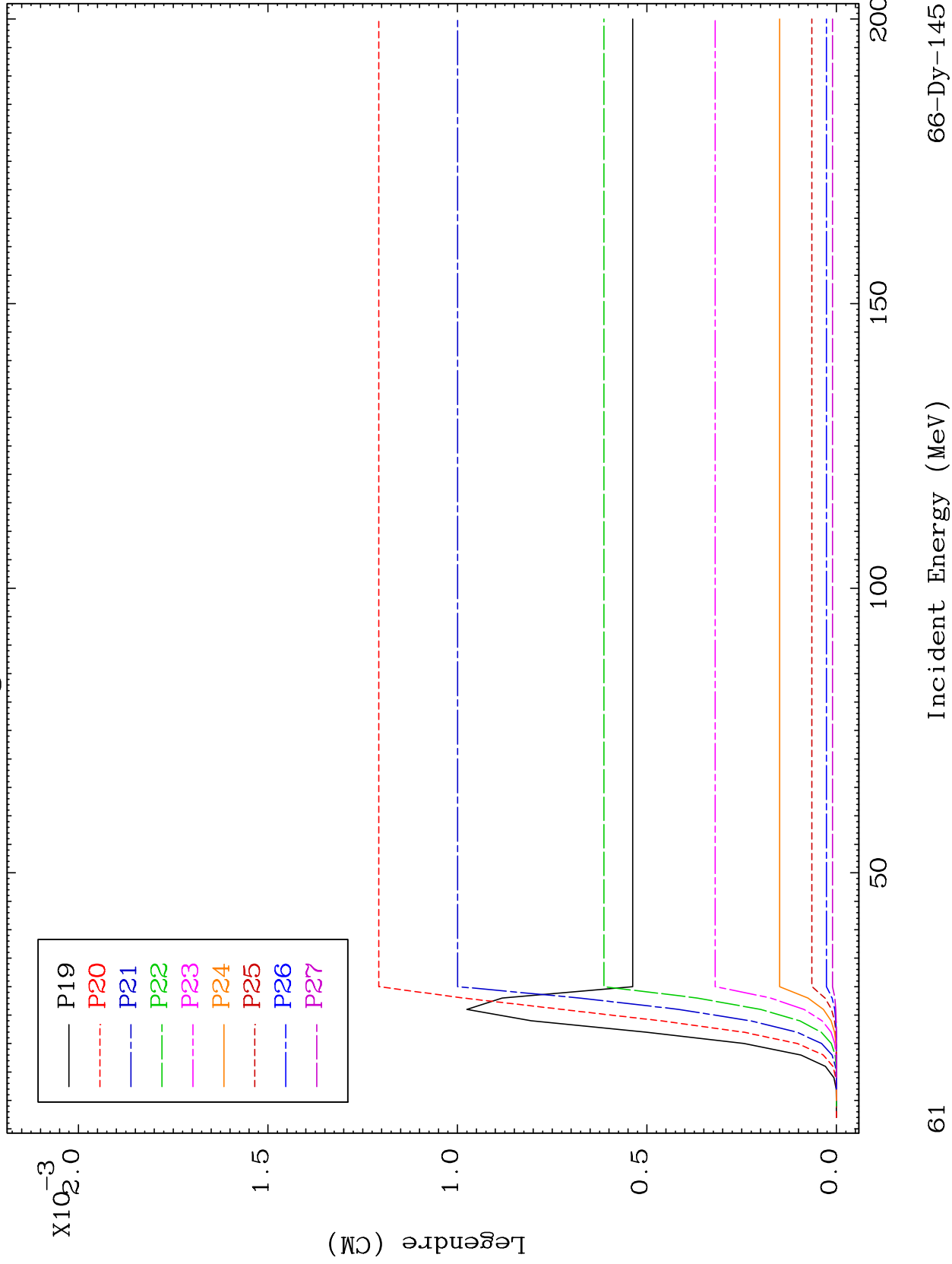




MAT 6592

1.640 MeV (n,n') Level
Legendre Coefficients

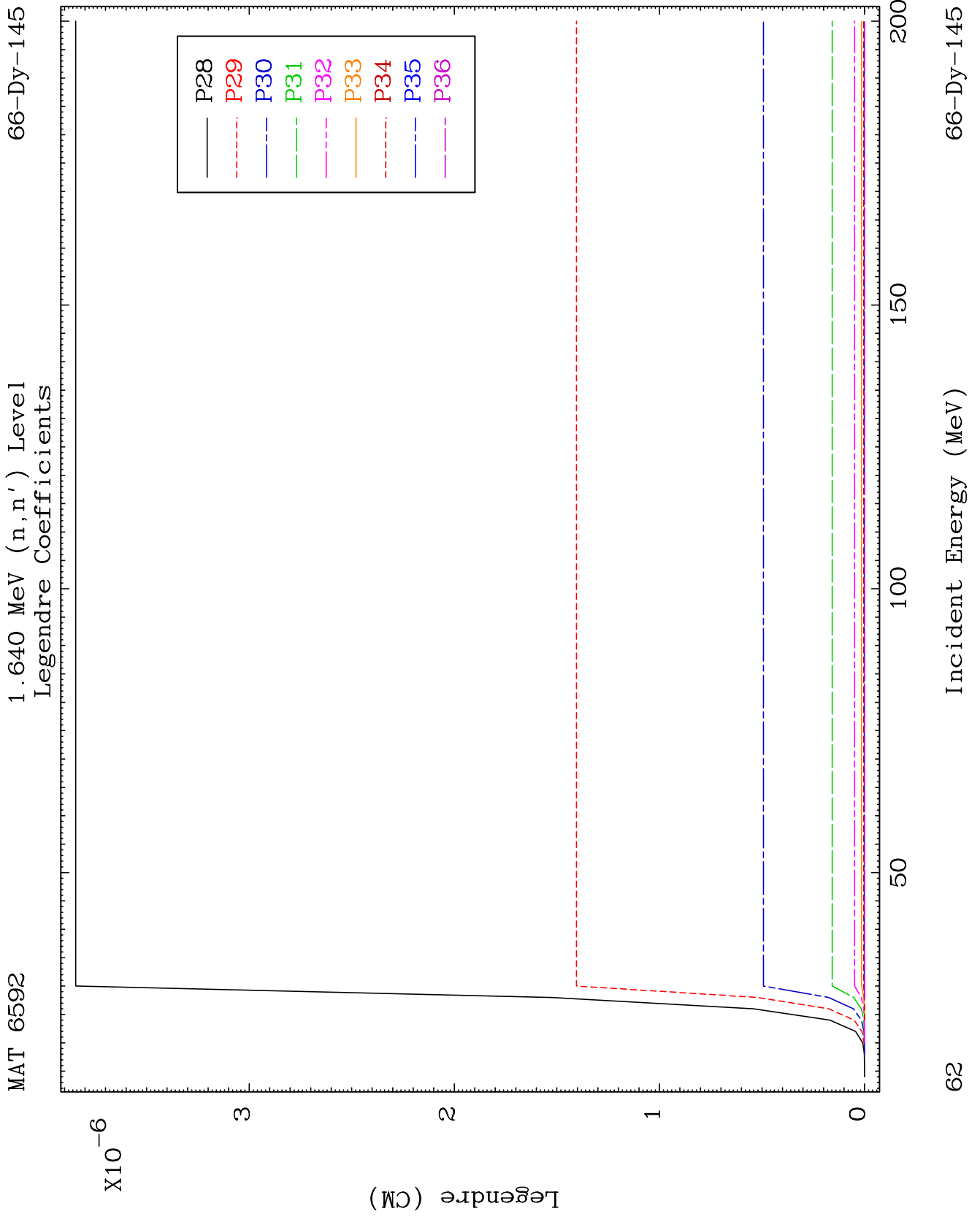
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61

Incident Energy (MeV)

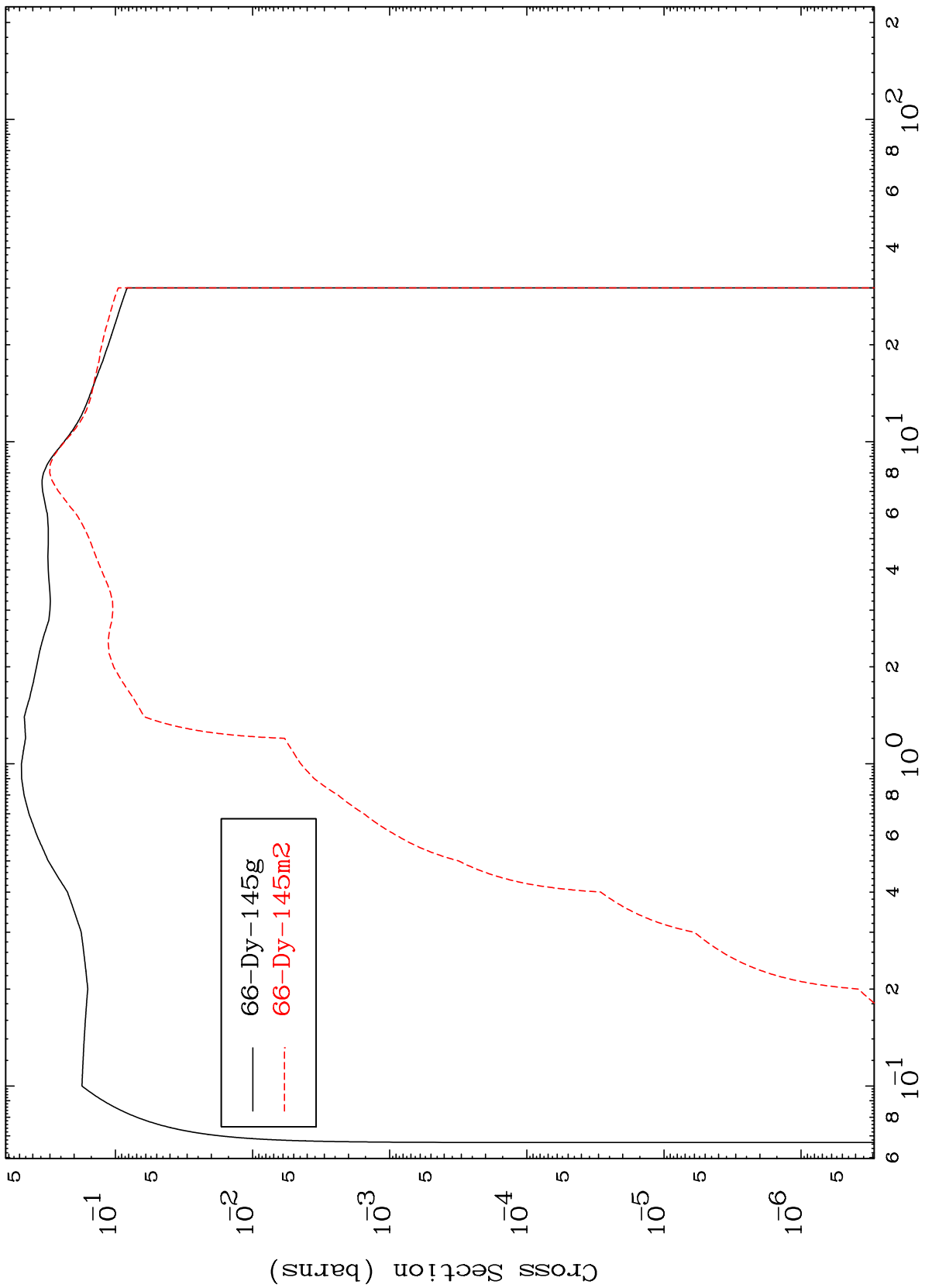
66-Dy-145



MAT 6592

66-Dy-145

Inelastic Radionuclide Production Cross Section



— 66-Dy-145g
- - - 66-Dy-145m2

63

66-Dy-145

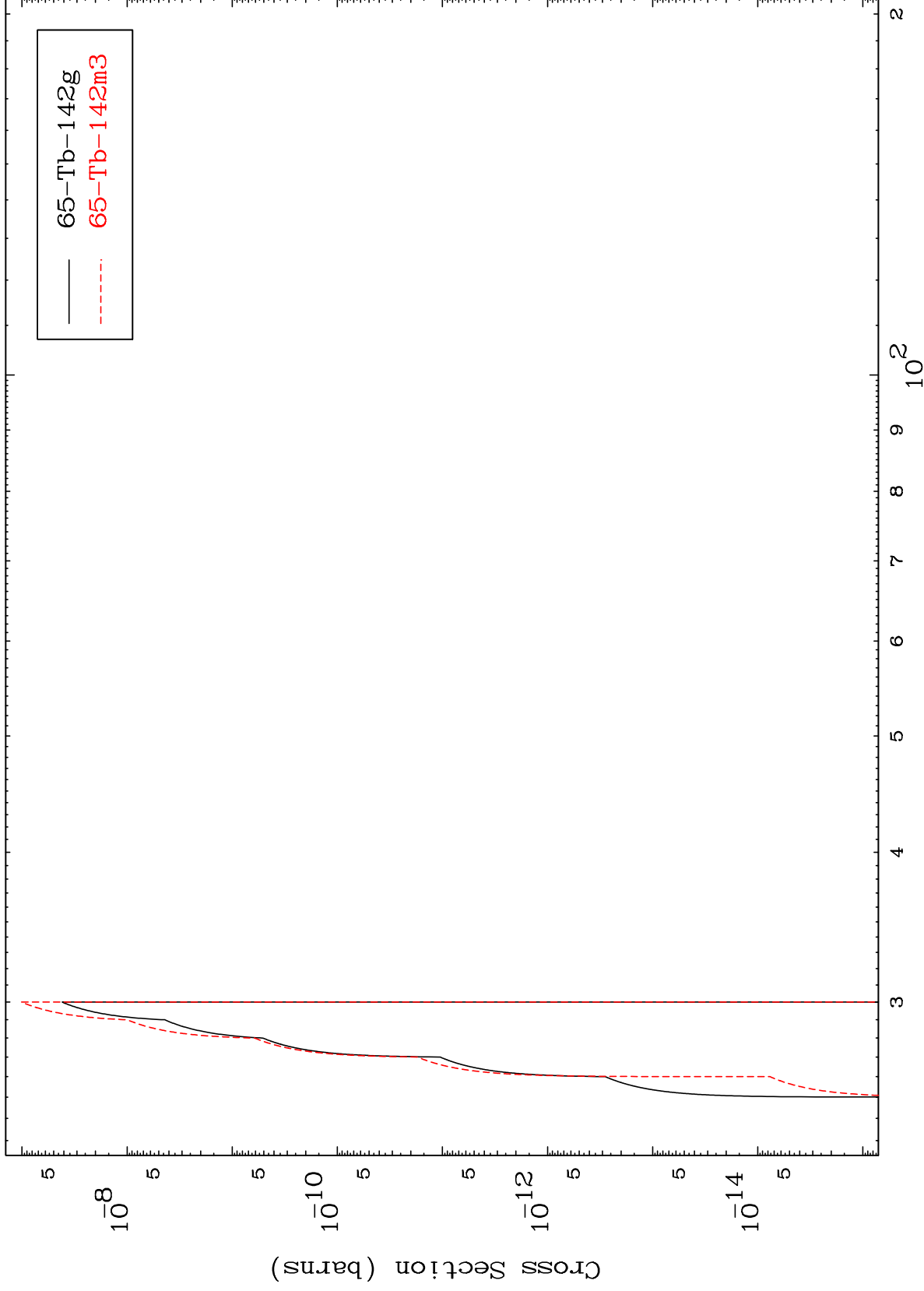
Incident Energy (MeV)

MAT 6592

(n,2n) d

66-Dy-145

Radionuclide Production Cross Section



64

Incident Energy (MeV)

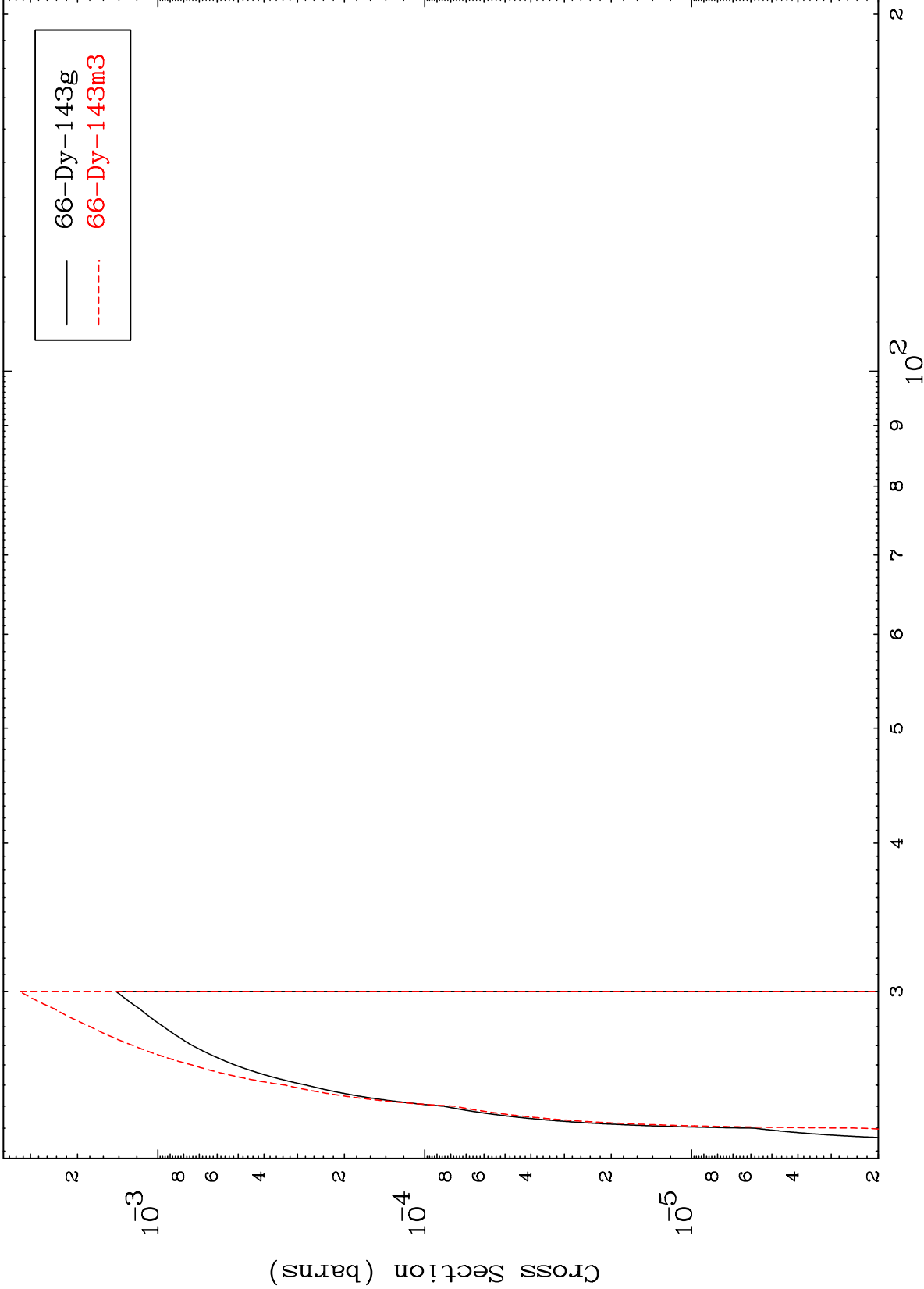
66-Dy-145

MAT 6592

(n,3n)

66-Dy-145

Radionuclide Production Cross Section



65

Incident Energy (MeV)

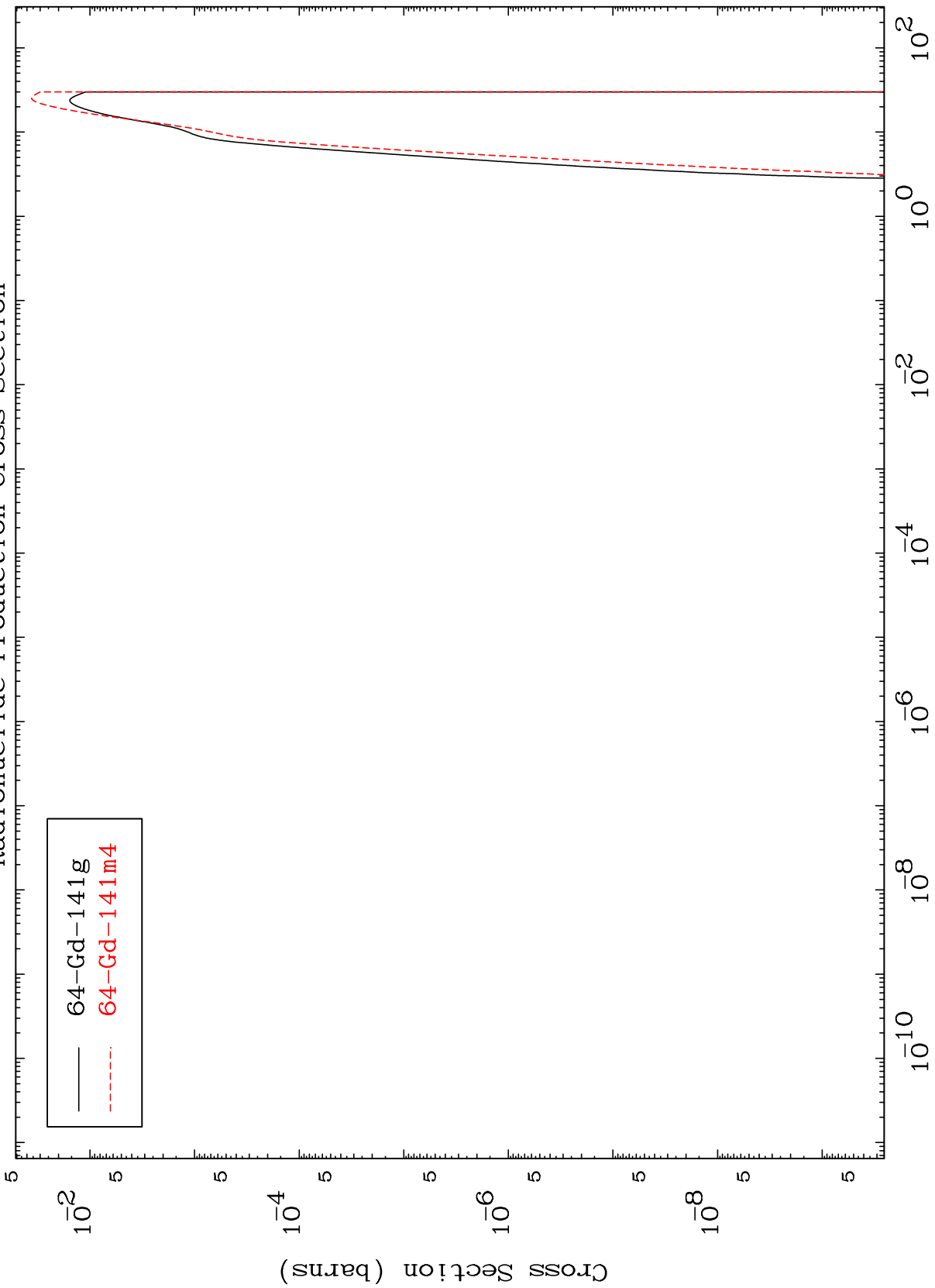
66-Dy-145

MAT 6592

$(n, n') \alpha$

66-Dy-145

Radionuclide Production Cross Section



66

Incident Energy (MeV)

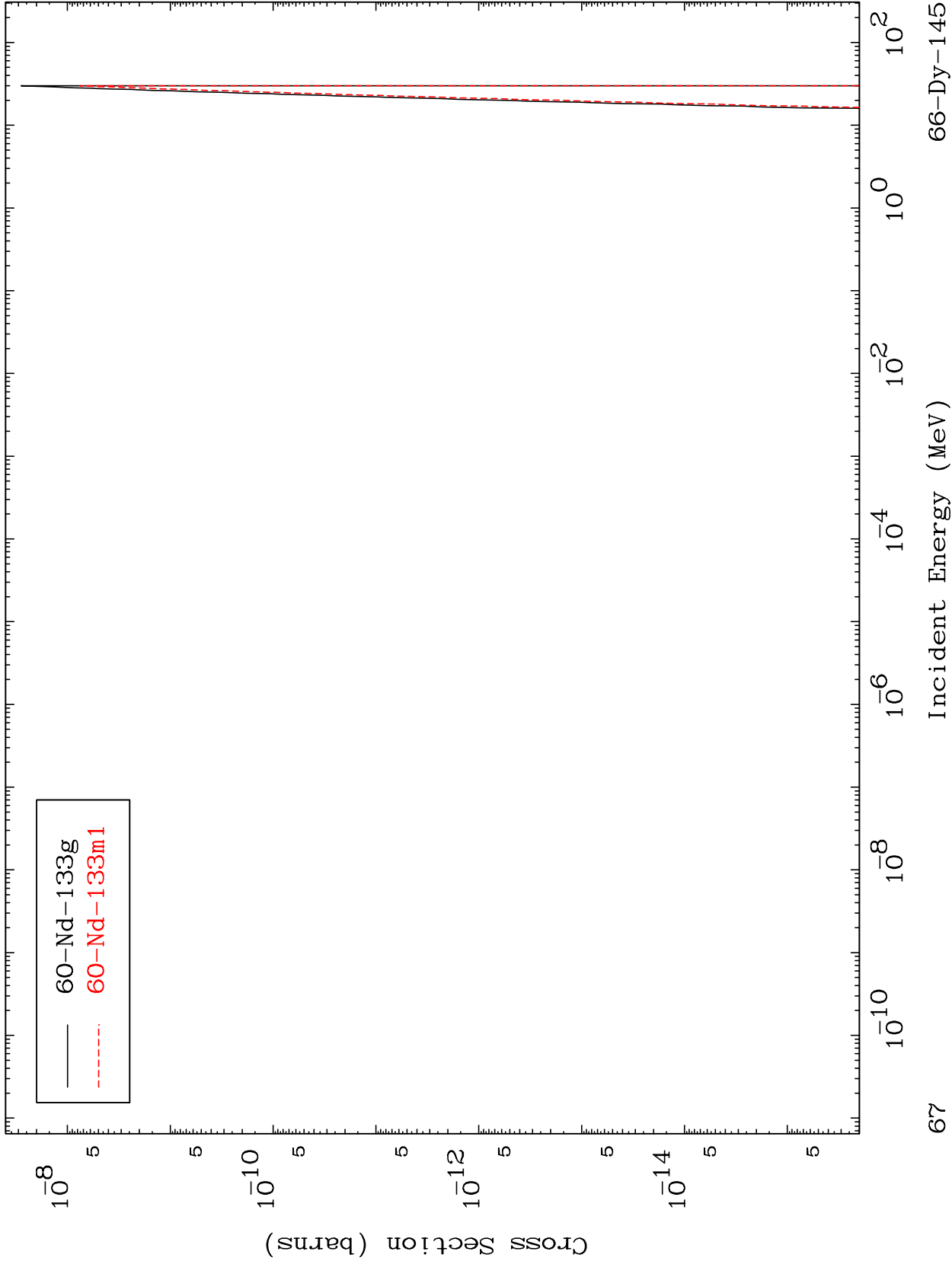
66-Dy-145

MAT 6592

(n,n') 3 α

66-Dy-145

Radionuclide Production Cross Section



67

Incident Energy (MeV)

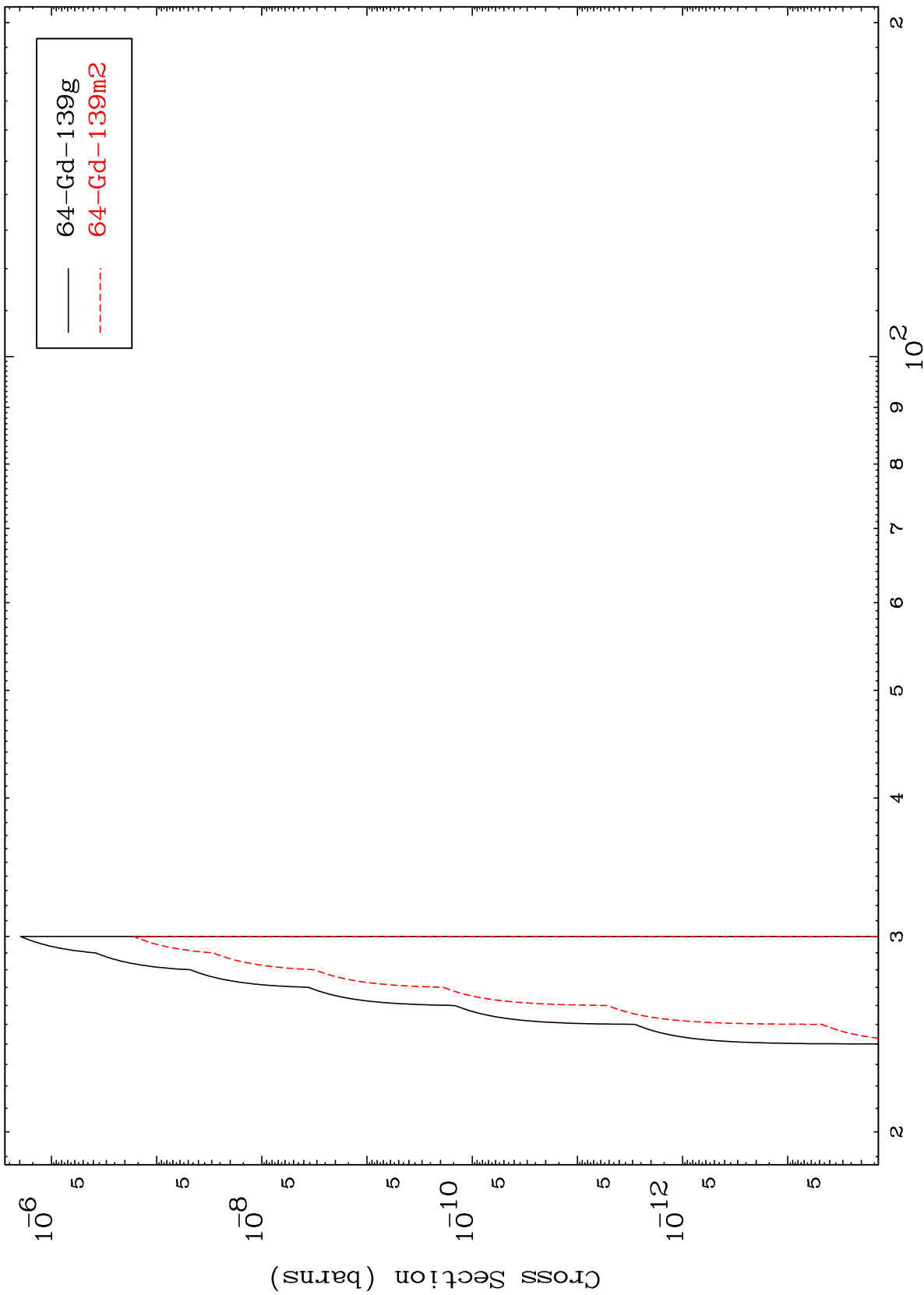
66-Dy-145

MAT 6592

(n,3n) α

66-Dy-145

Radionuclide Production Cross Section



68

Incident Energy (MeV)

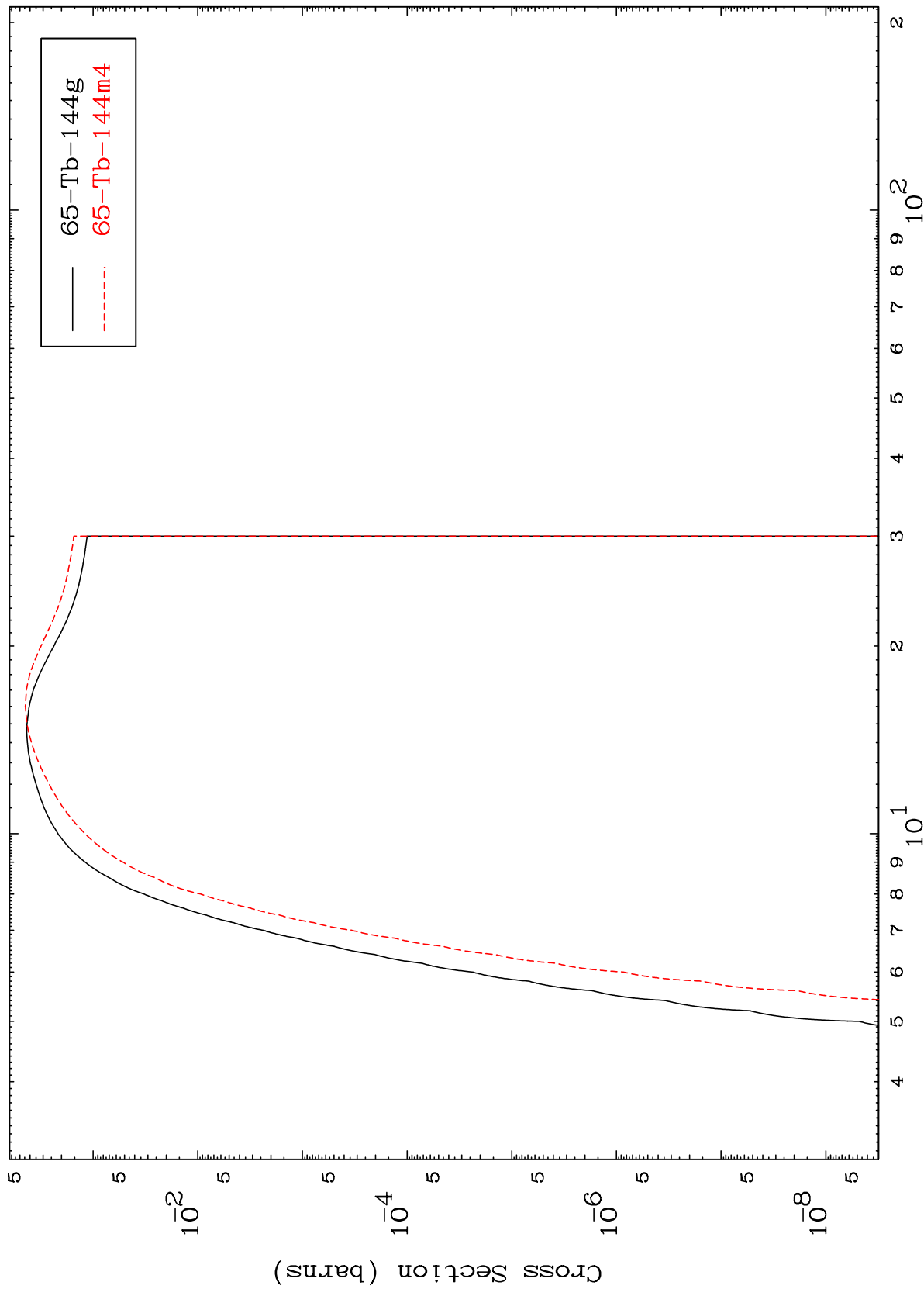
66-Dy-145

MAT 6592

(n, n') p

66-Dy-145

Radionuclide Production Cross Section



69

Incident Energy (MeV)

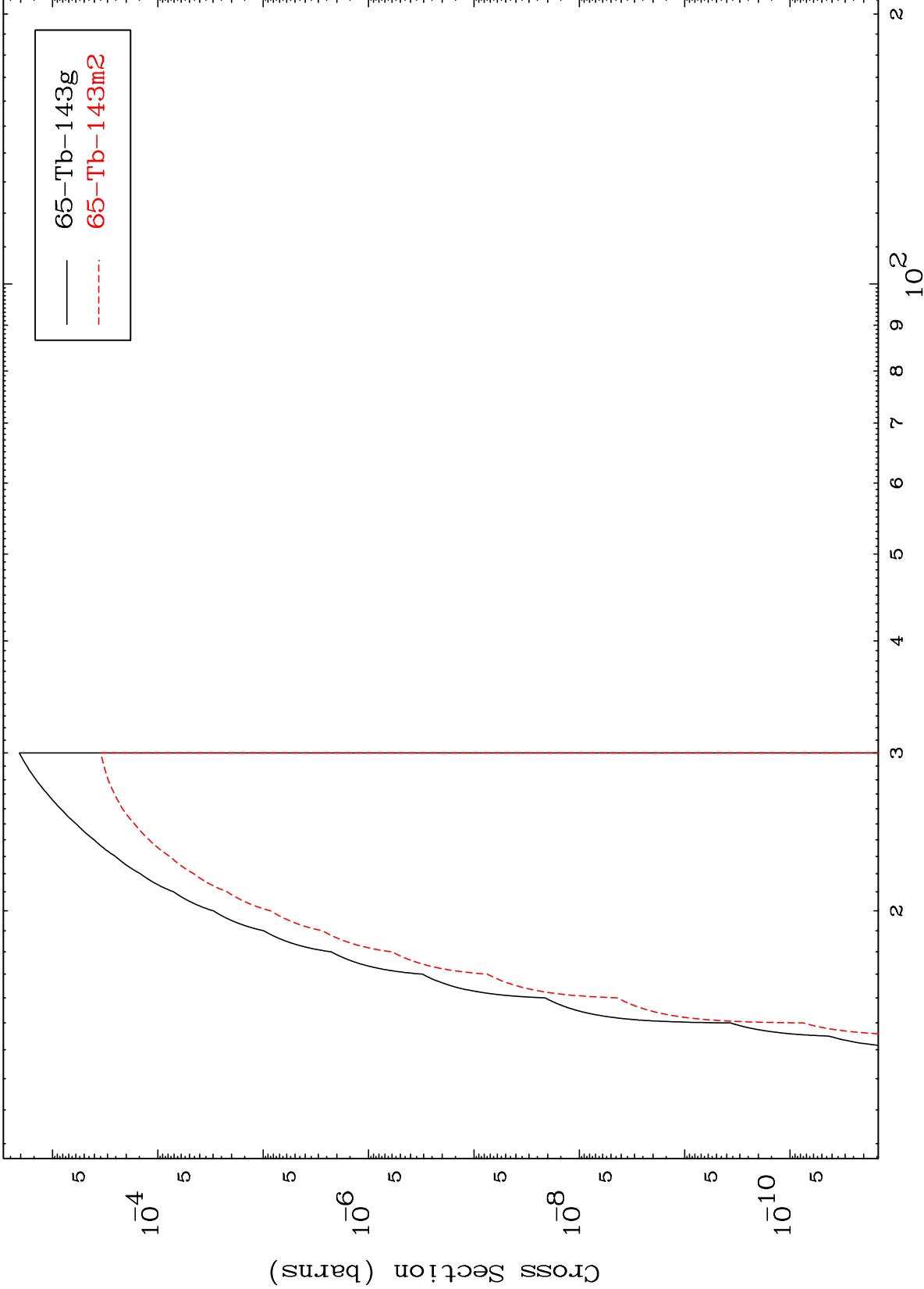
66-Dy-145

MAT 6592

(n,n') d

66-Dy-145

Radionuclide Production Cross Section



70

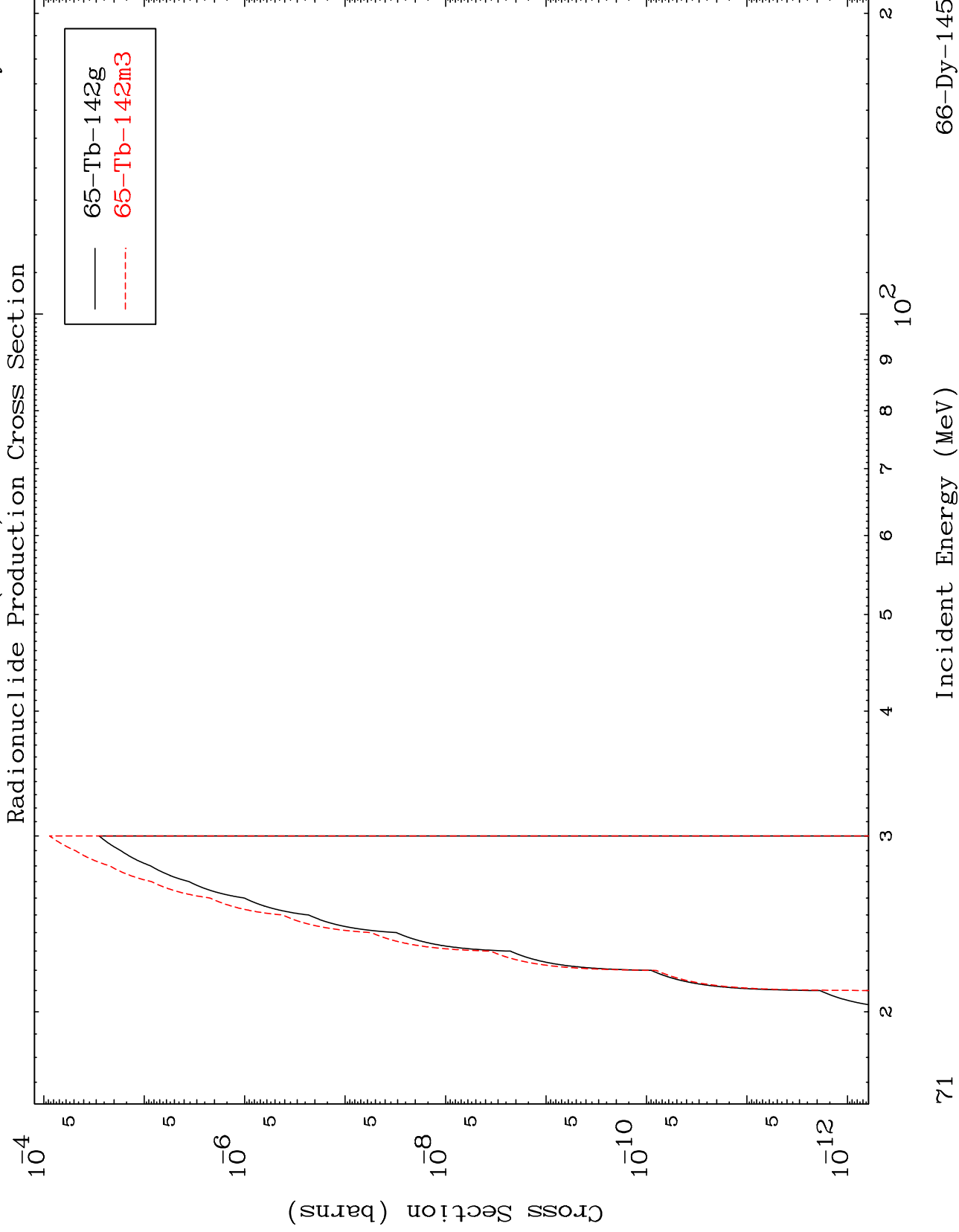
Incident Energy (MeV)

66-Dy-145

MAT 6592

(n,n') t

66-Dy-145



71

Incident Energy (MeV)

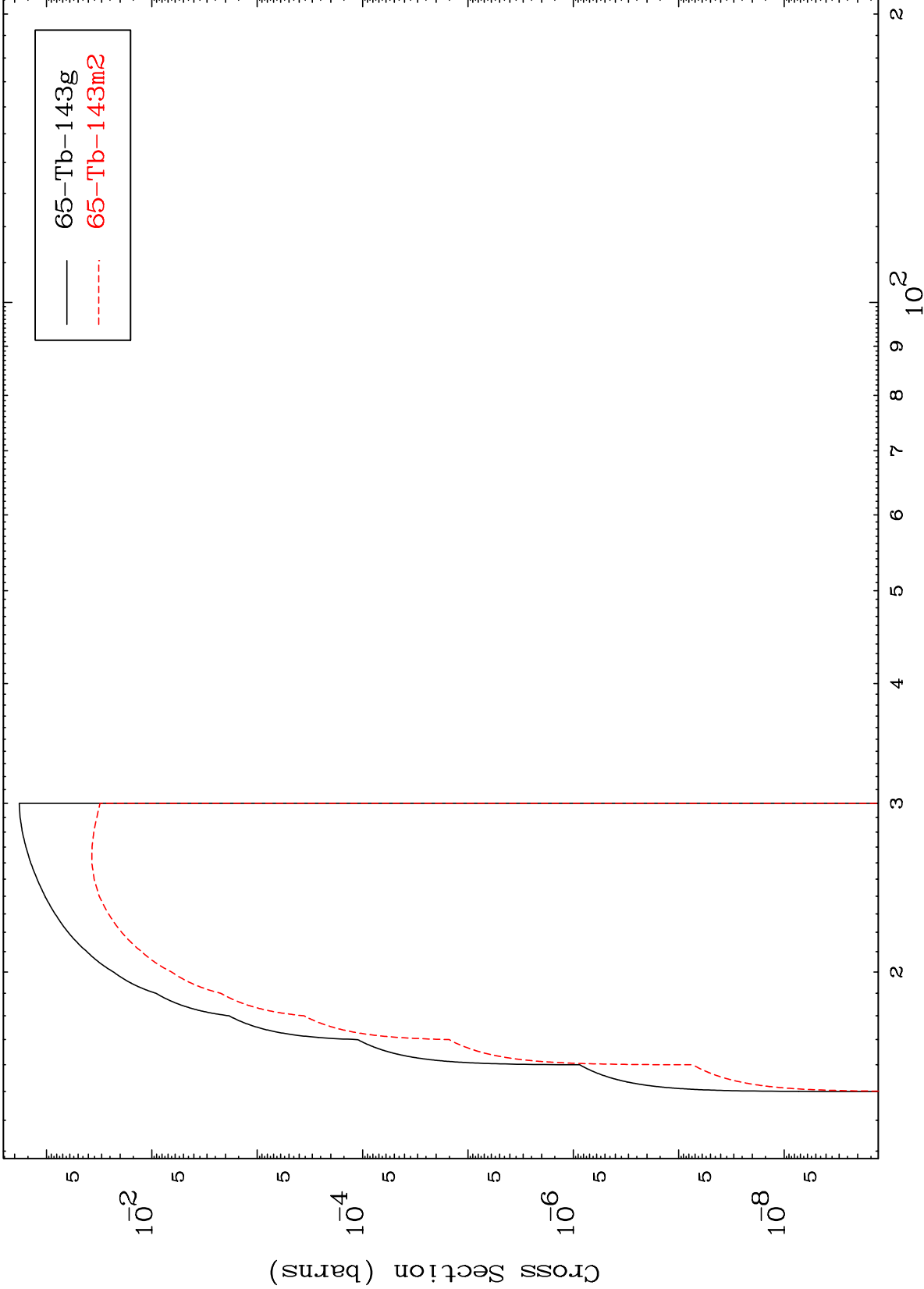
66-Dy-145

MAT 6592

(n,2n) p

66-Dy-145

Radionuclide Production Cross Section



72

Incident Energy (MeV)

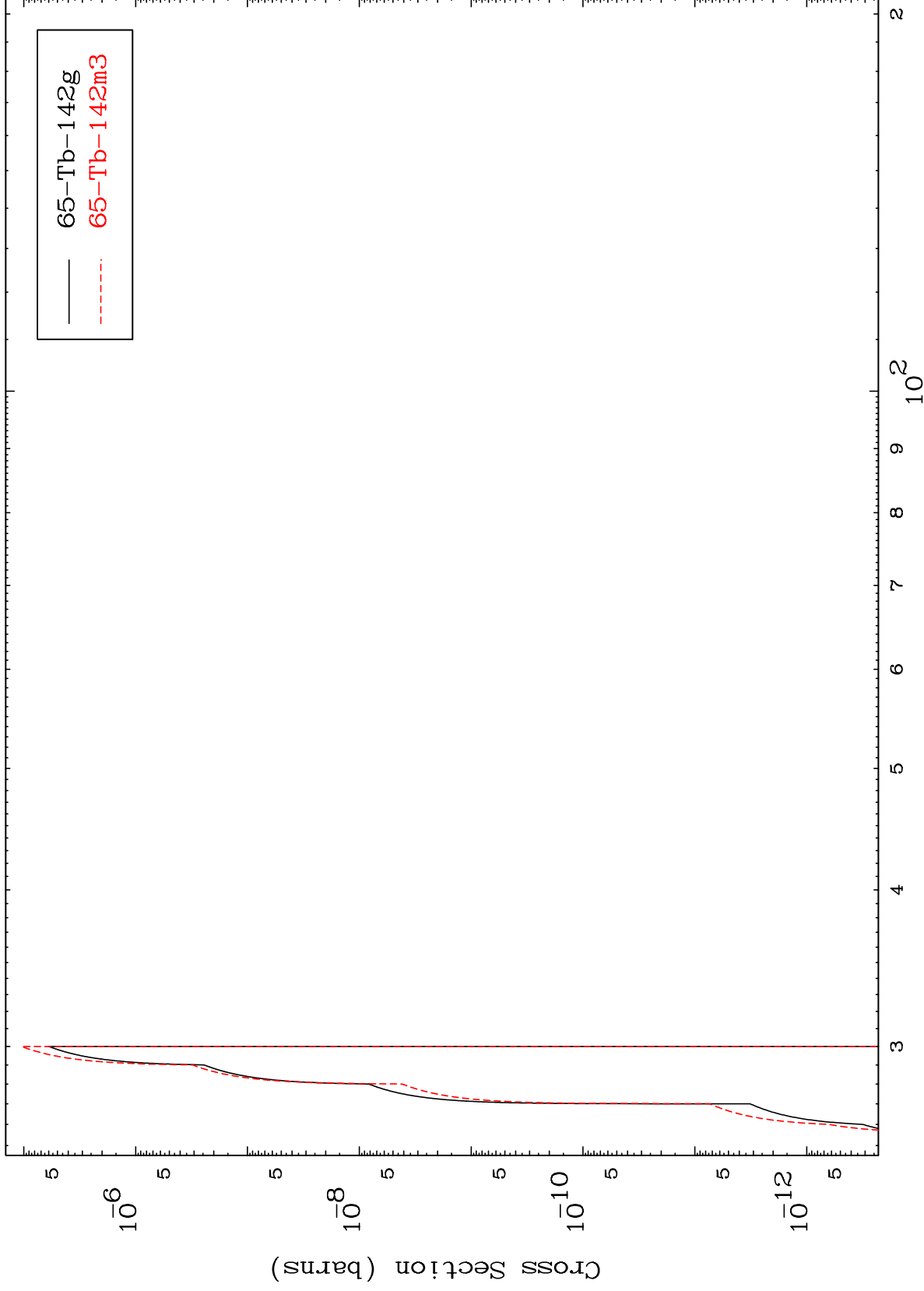
66-Dy-145

MAT 6592

(n,3n) p

66-Dy-145

Radionuclide Production Cross Section



73

Incident Energy (MeV)

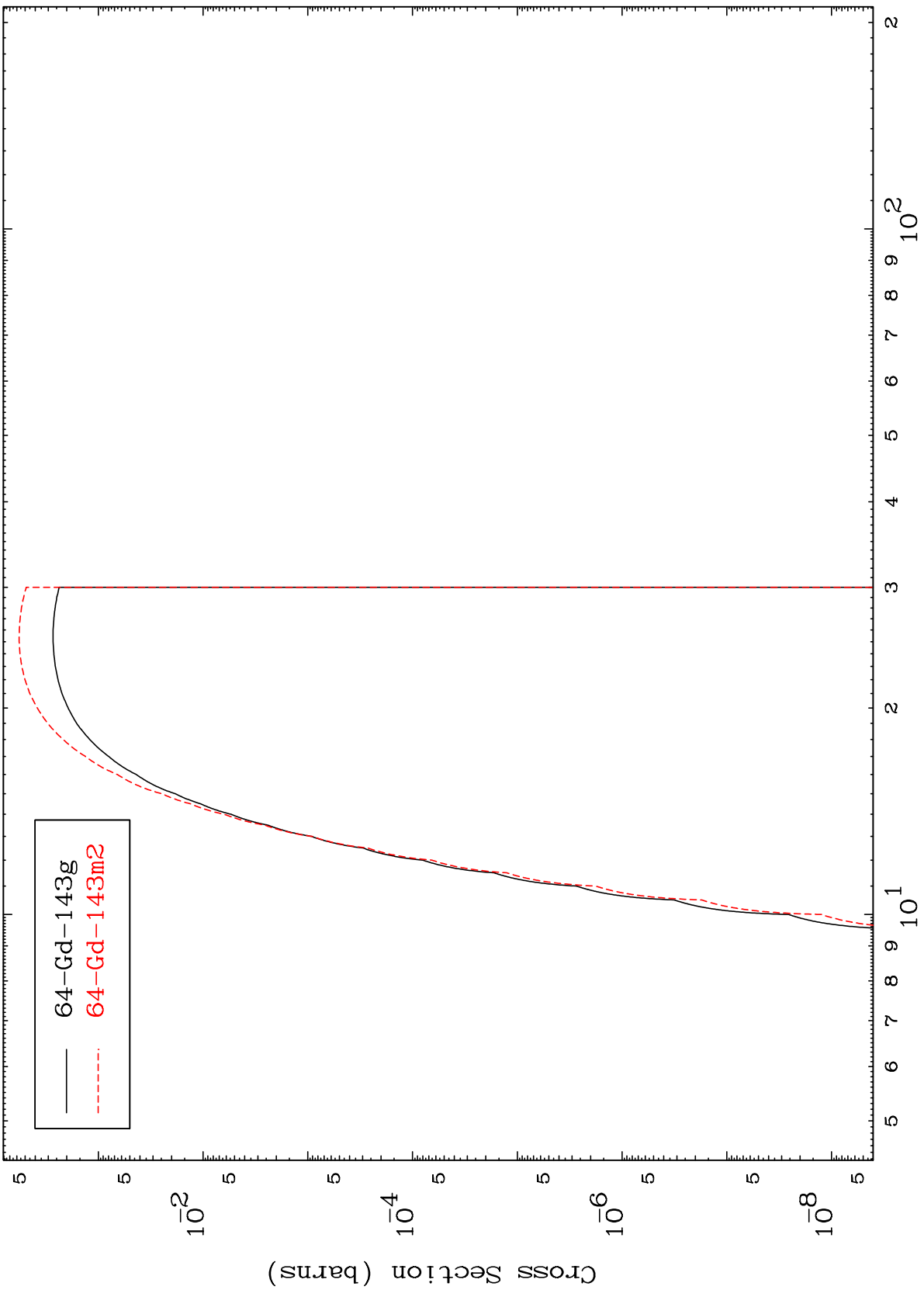
66-Dy-145

MAT 6592

(n,2n) p

66-Dy-145

Radionuclide Production Cross Section



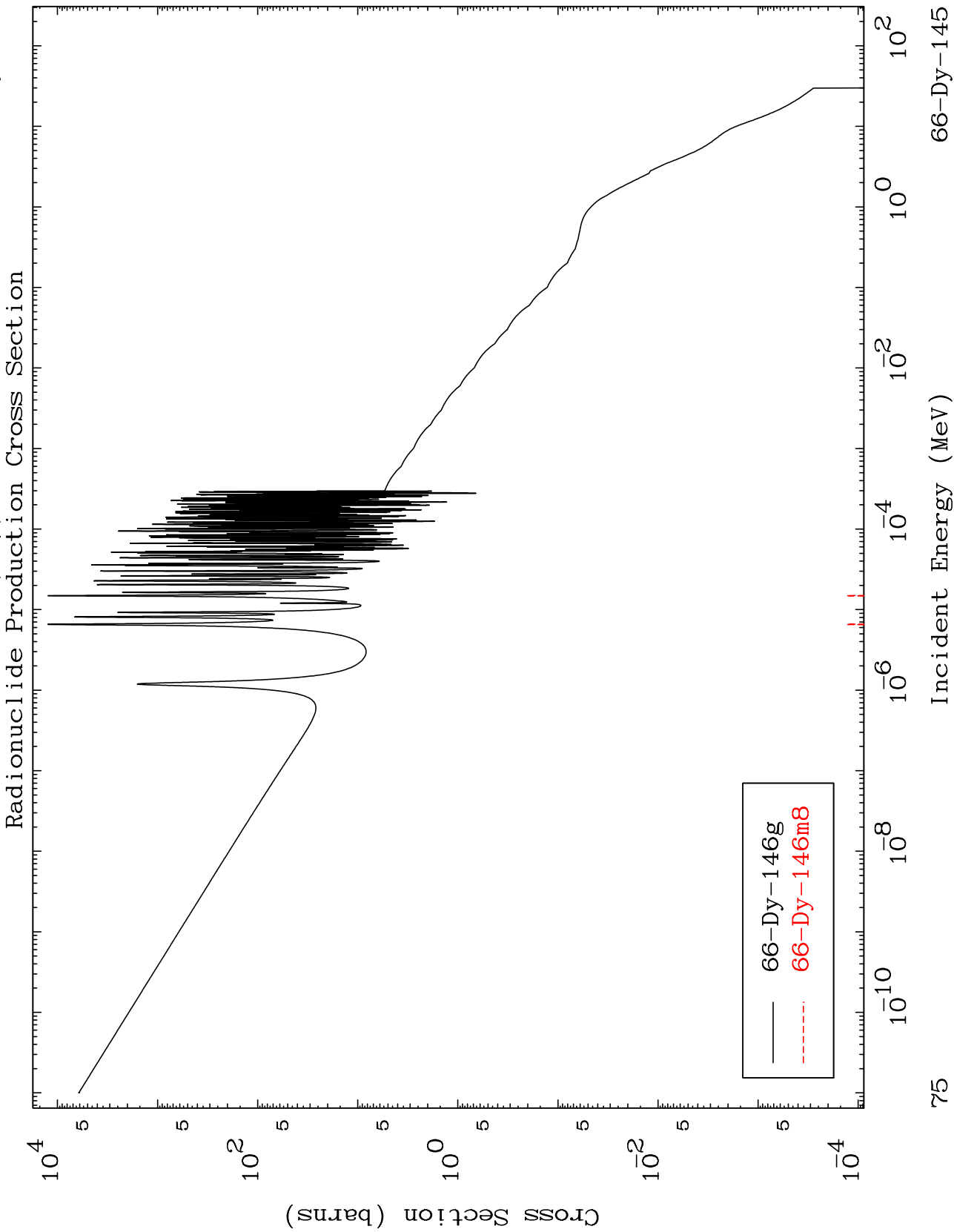
74

Incident Energy (MeV)

66-Dy-145

MAT 6592

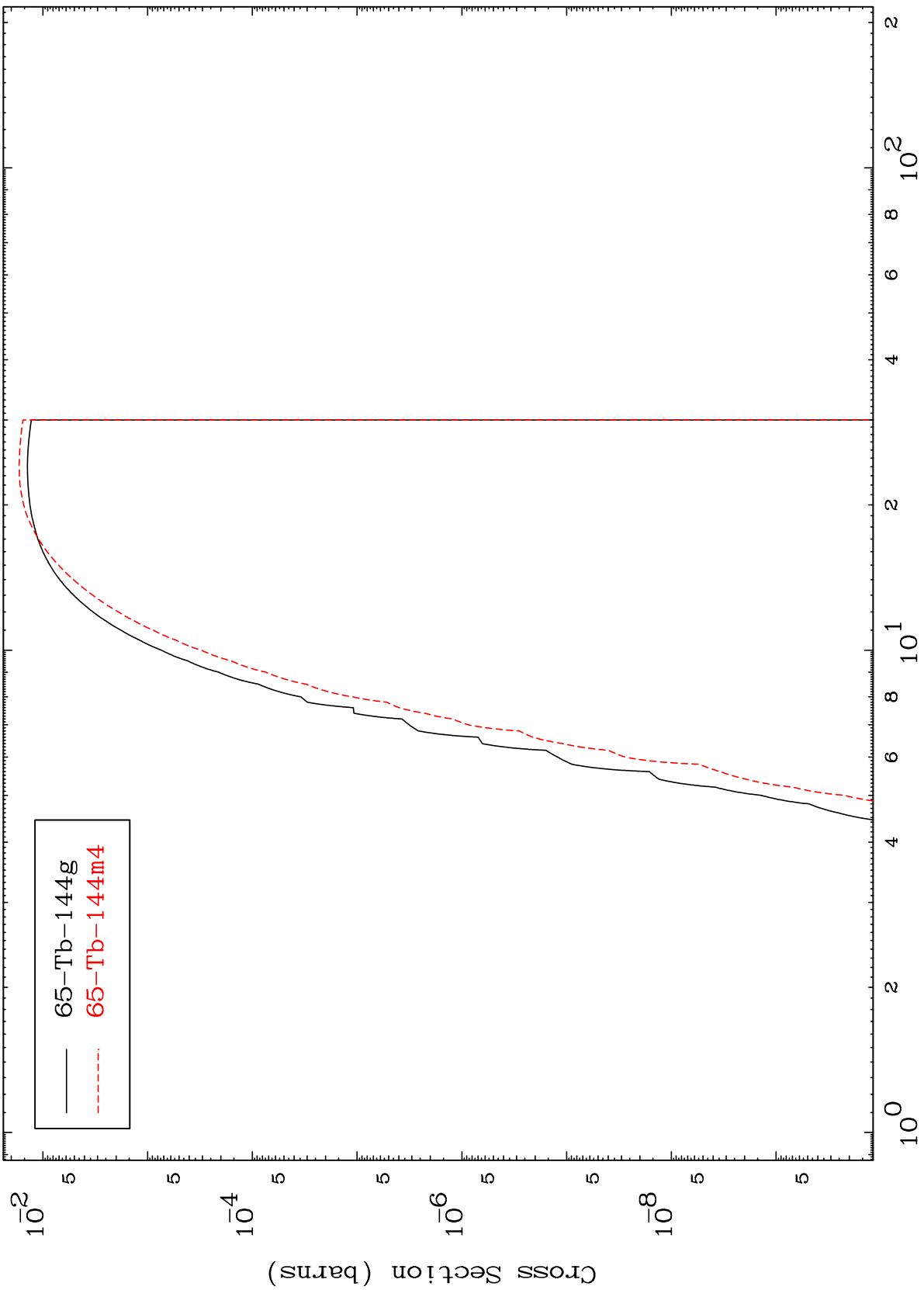
66-Dy-145



MAT 6592

66-Dy-145

(n,d)
Radionuclide Production Cross Section



76

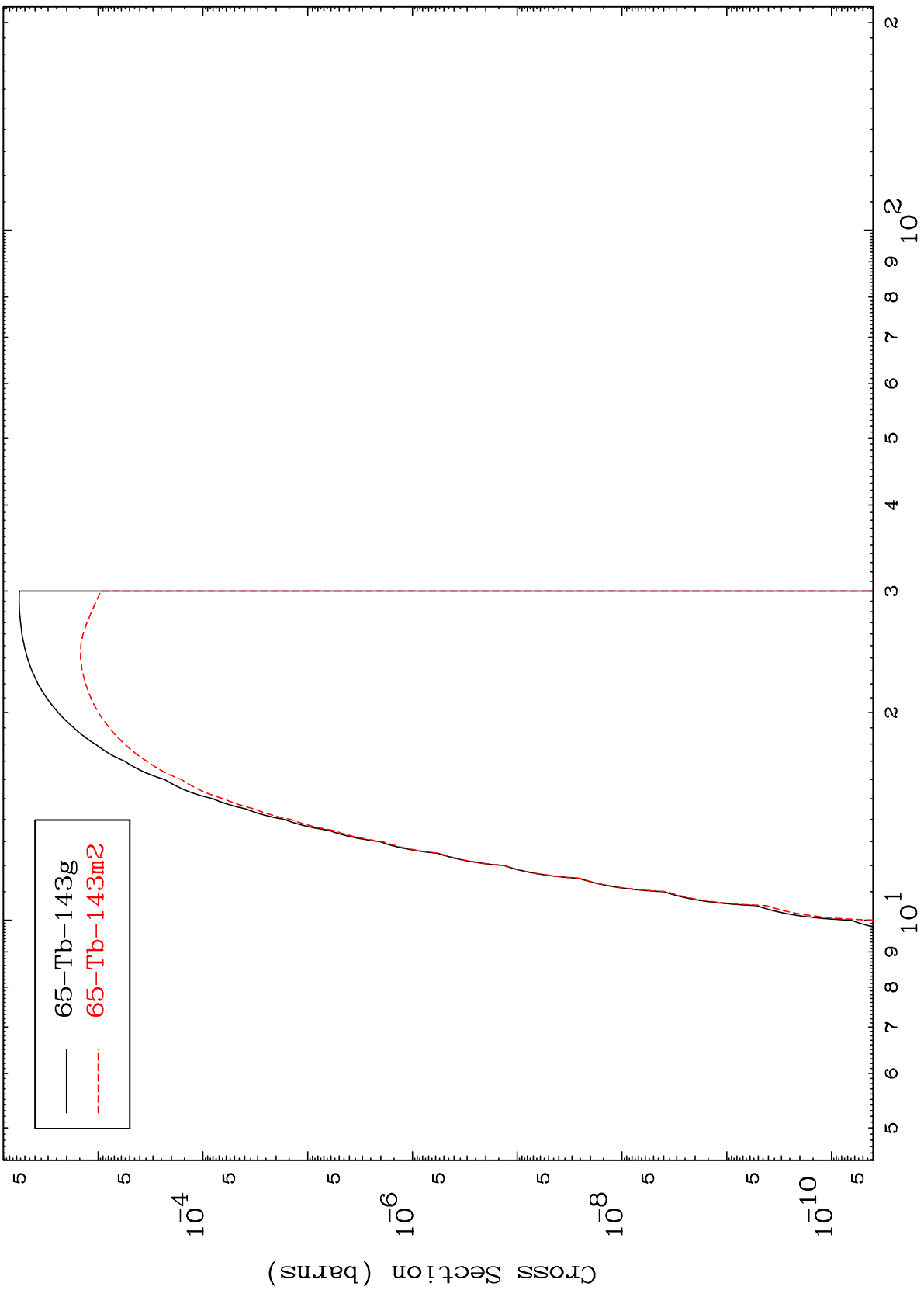
Incident Energy (MeV)

66-Dy-145

MAT 6592

66-Dy-145

(n, t)
Radionuclide Production Cross Section



77

Incident Energy (MeV)

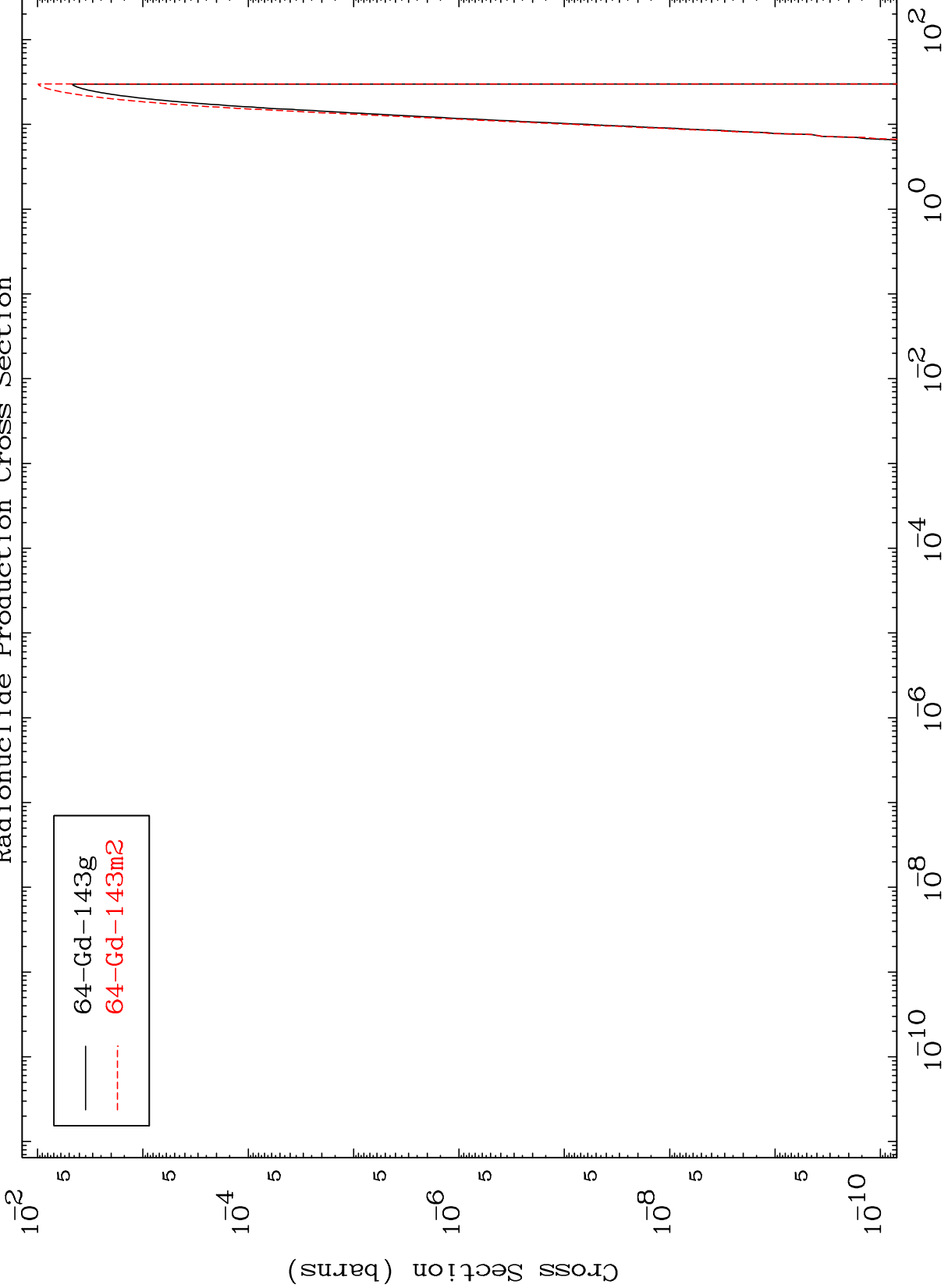
66-Dy-145

MAT 6592

(n,He-3)

66-Dy-145

Radionuclide Production Cross Section



78

Incident Energy (MeV)

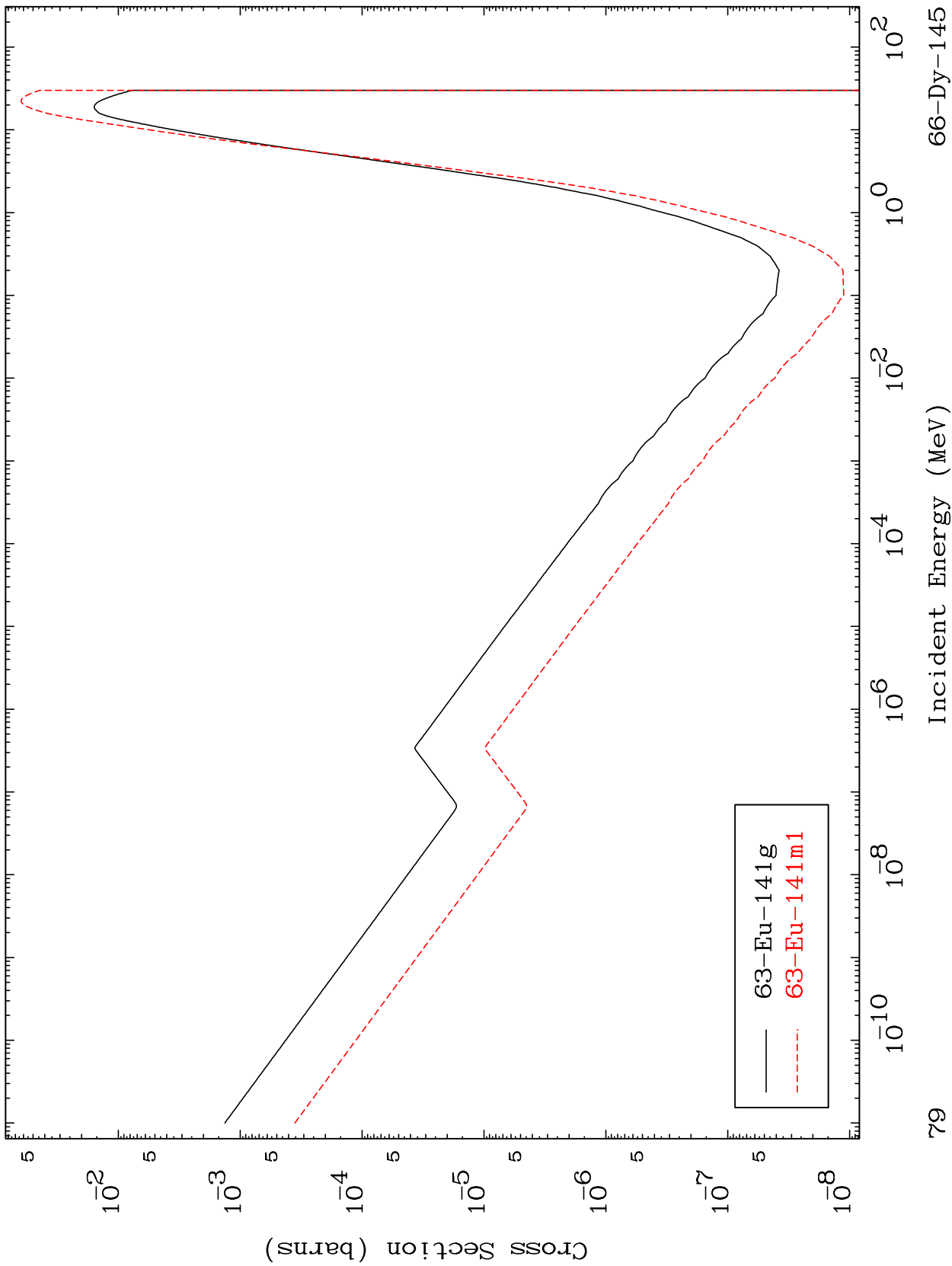
66-Dy-145

MAT 6592

(n,p) α

66-Dy-145

Radionuclide Production Cross Section

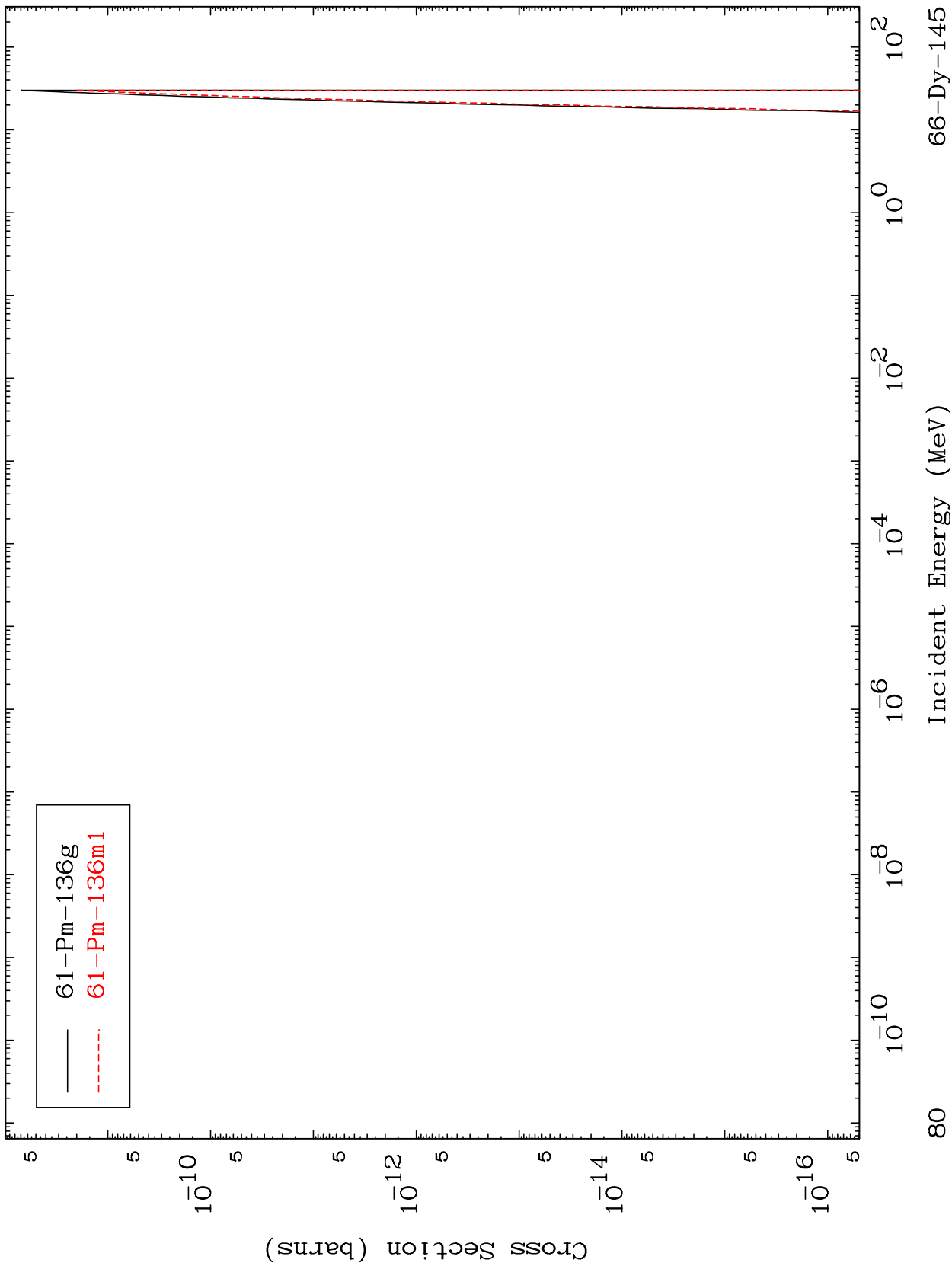


MAT 6592

(n,d) 2α

66-Dy-145

Radionuclide Production Cross Section



61-Pm-136g
61-Pm-136m1

MAT 6592

(n,p) d

66-Dy-145

Radionuclide Production Cross Section

