

Program EVALPLOT
(Version 2021-1)

by

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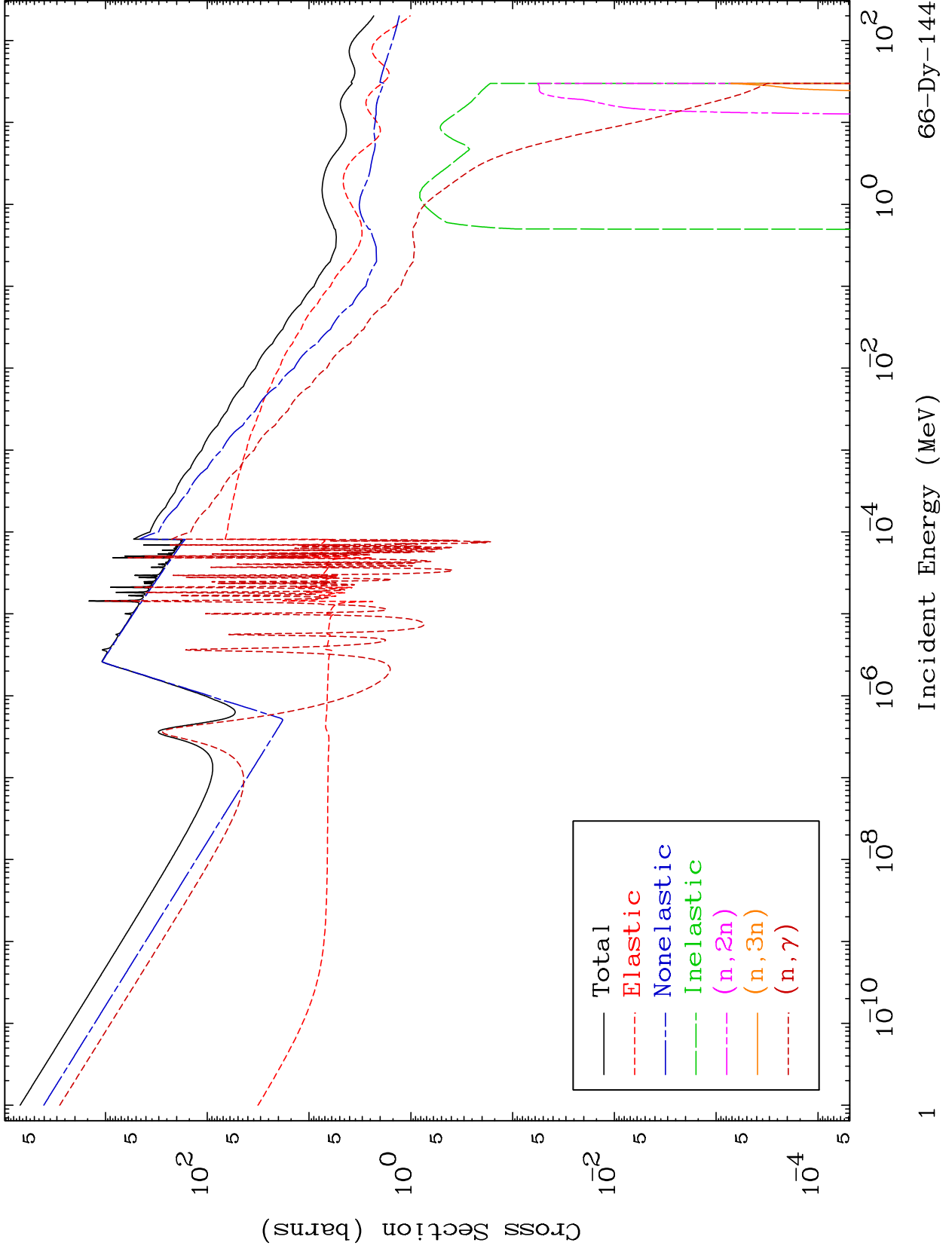
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Press Mouse Button to Start

MAT 6589

Neutron Major
293 Kelvin Cross Sections

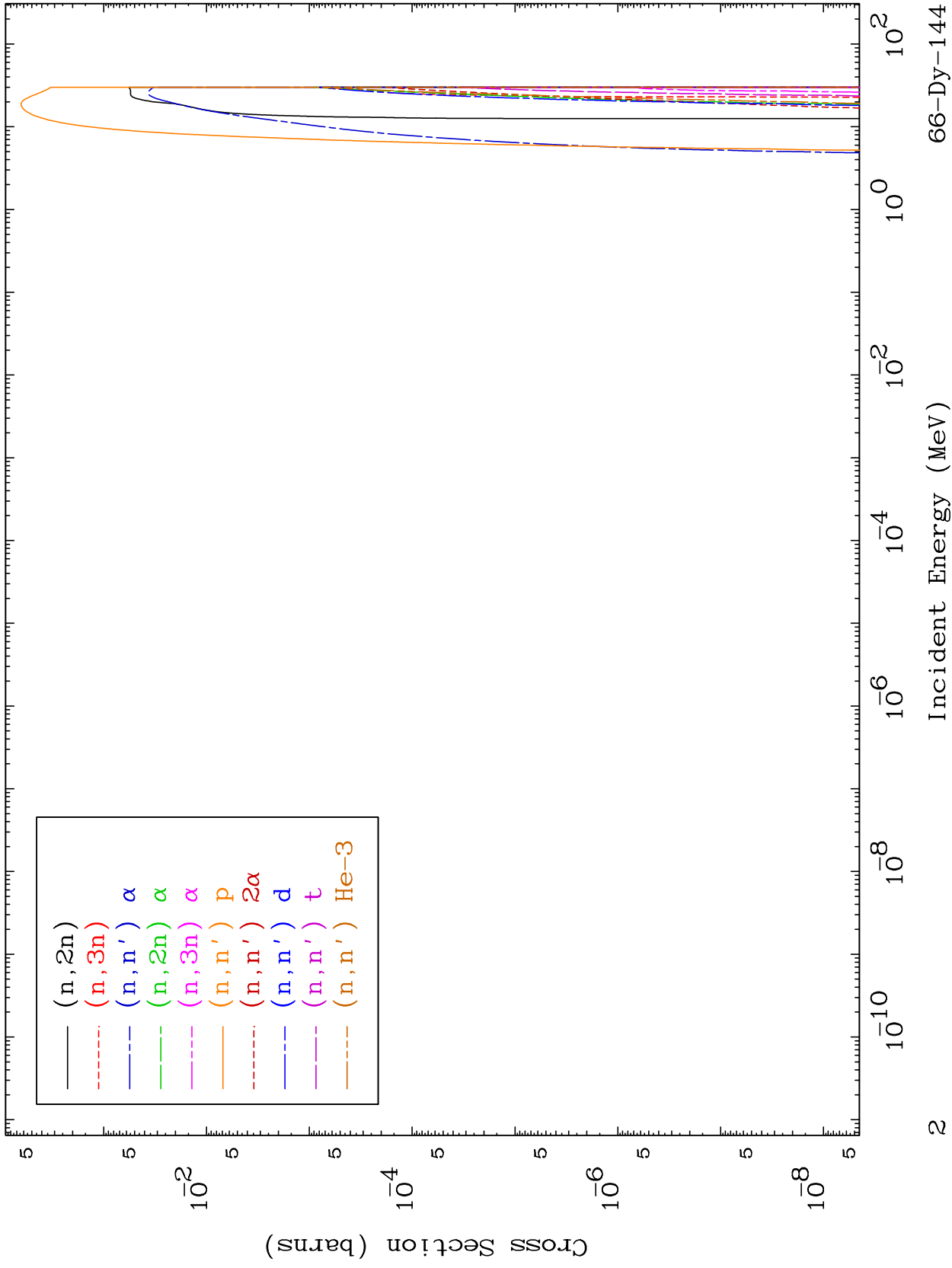
66-Dy-144



MAT 6589

Neutron Absorption
293 Kelvin Cross Sections

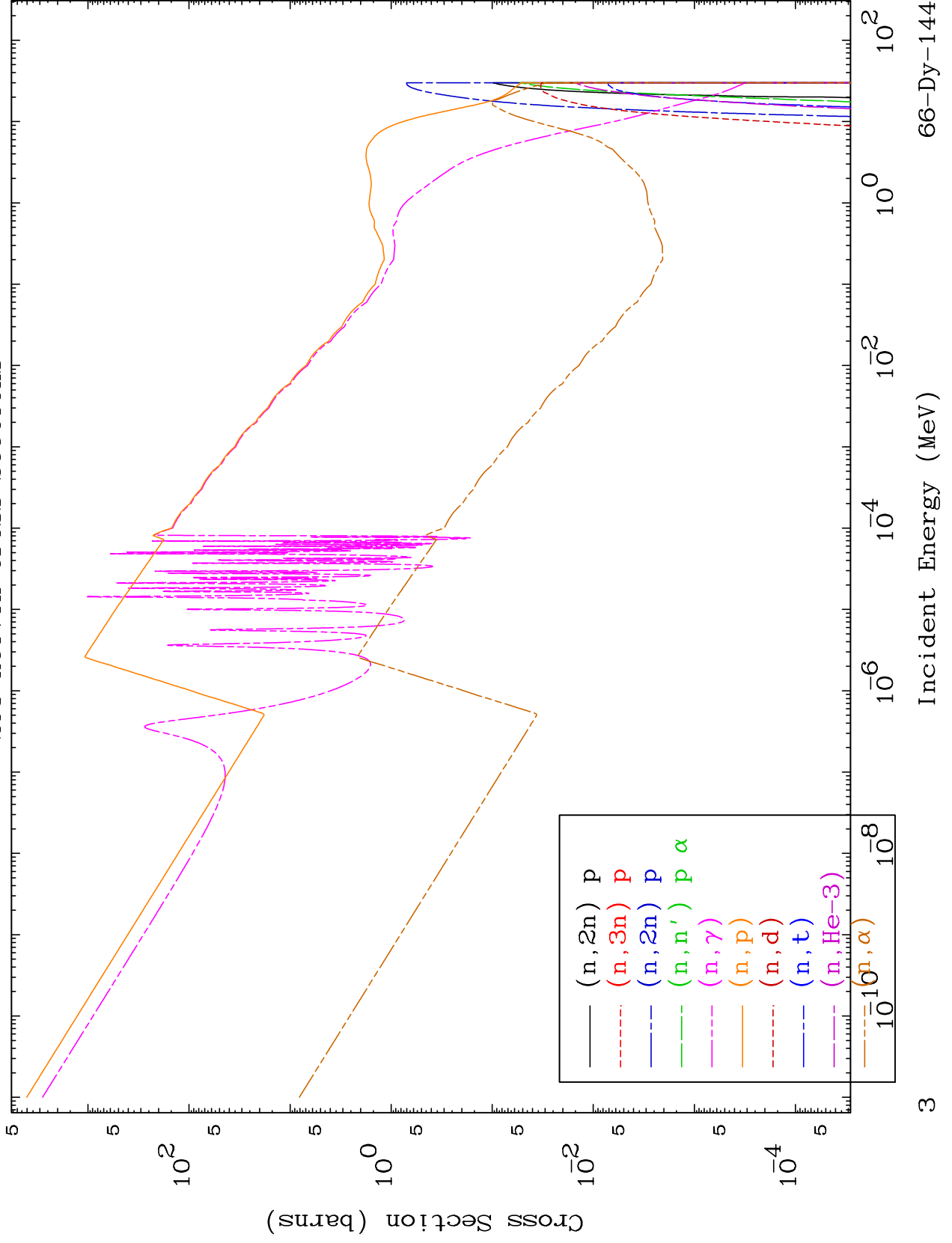
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MAT 6589

Neutron Absorption
293 Kelvin Cross Sections

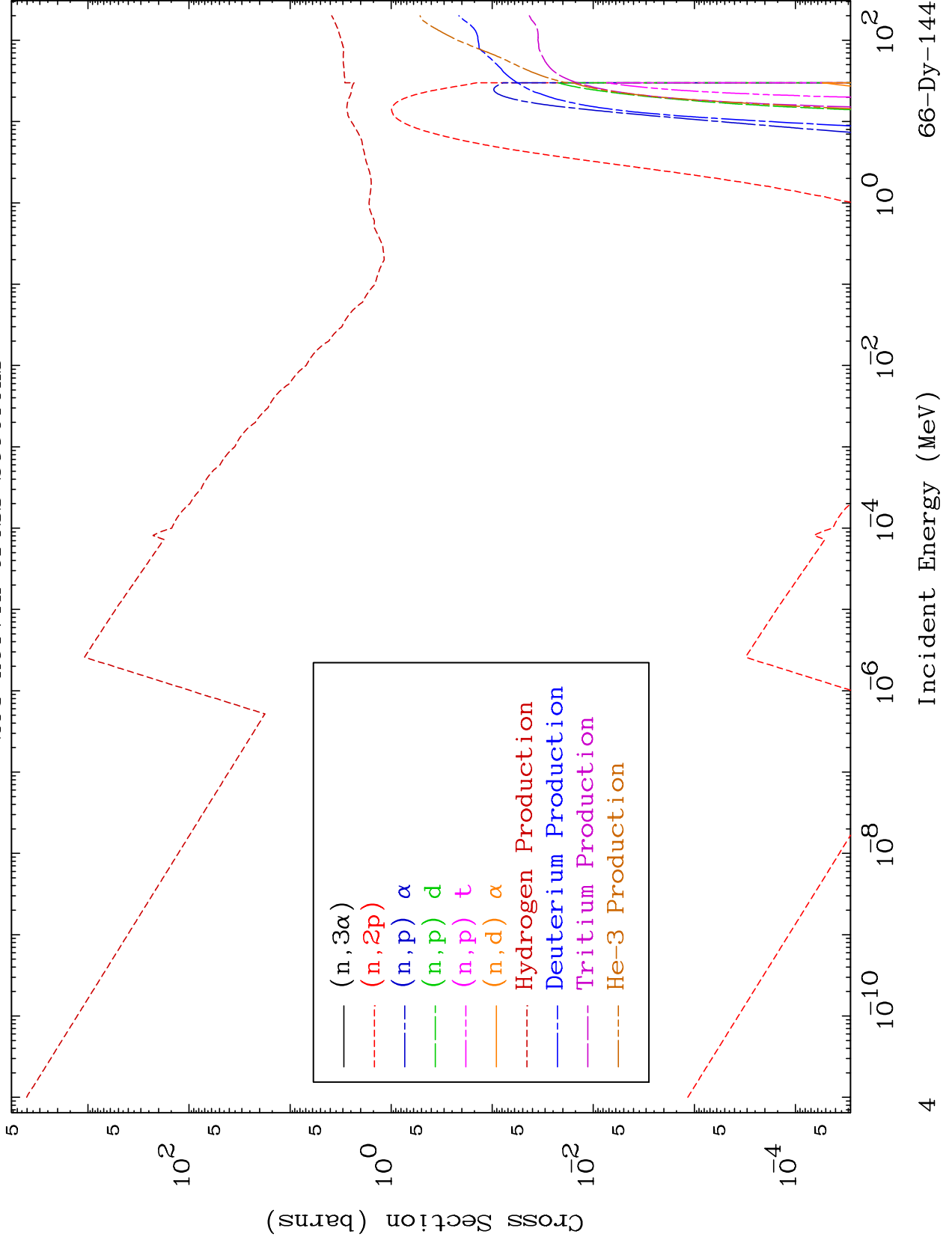
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MAT 6589

Neutron Absorption
293 Kelvin Cross Sections

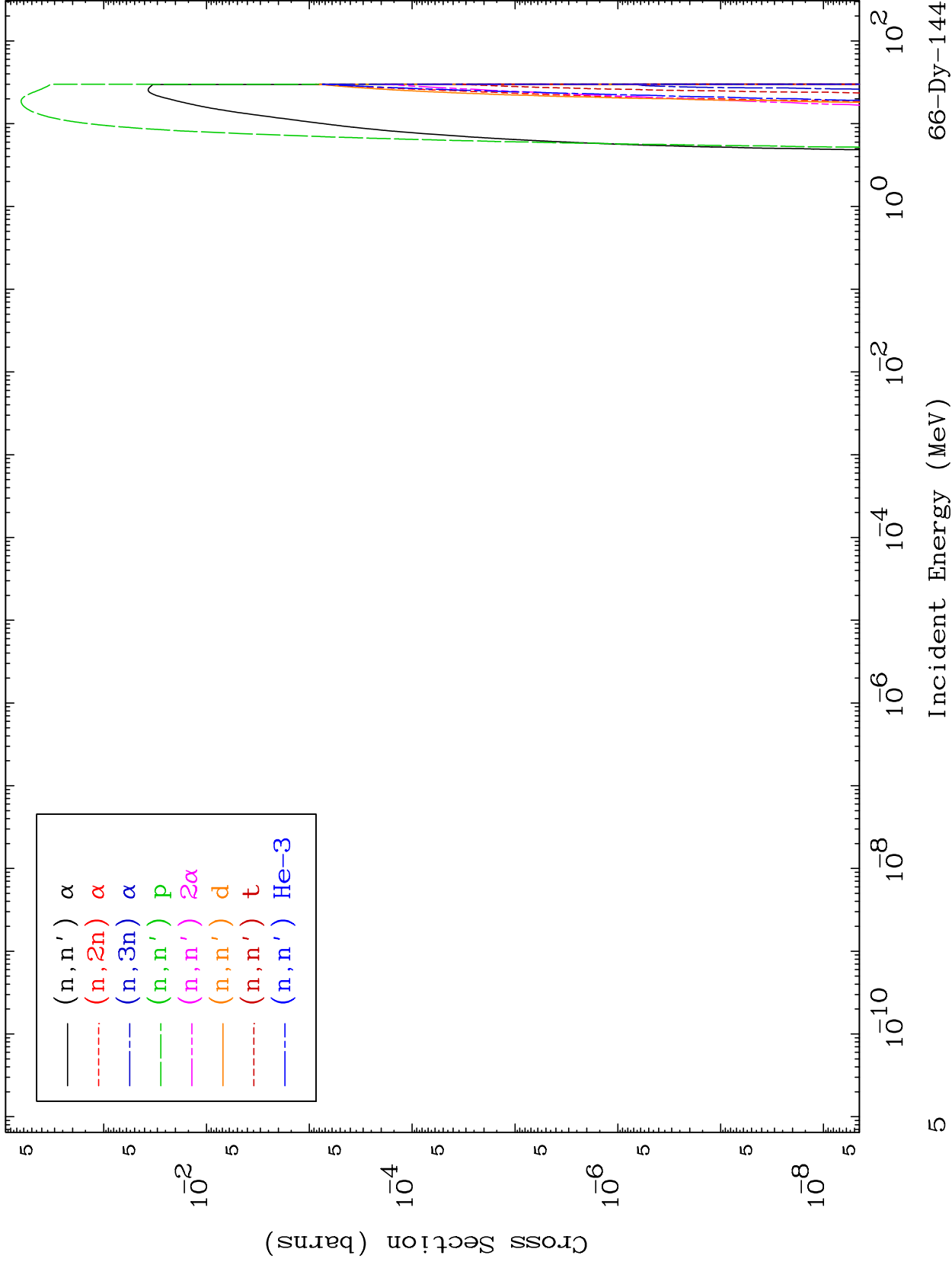
66-Dy-144



MAT 6589

Charged Particle
293 Kelvin Cross Sections

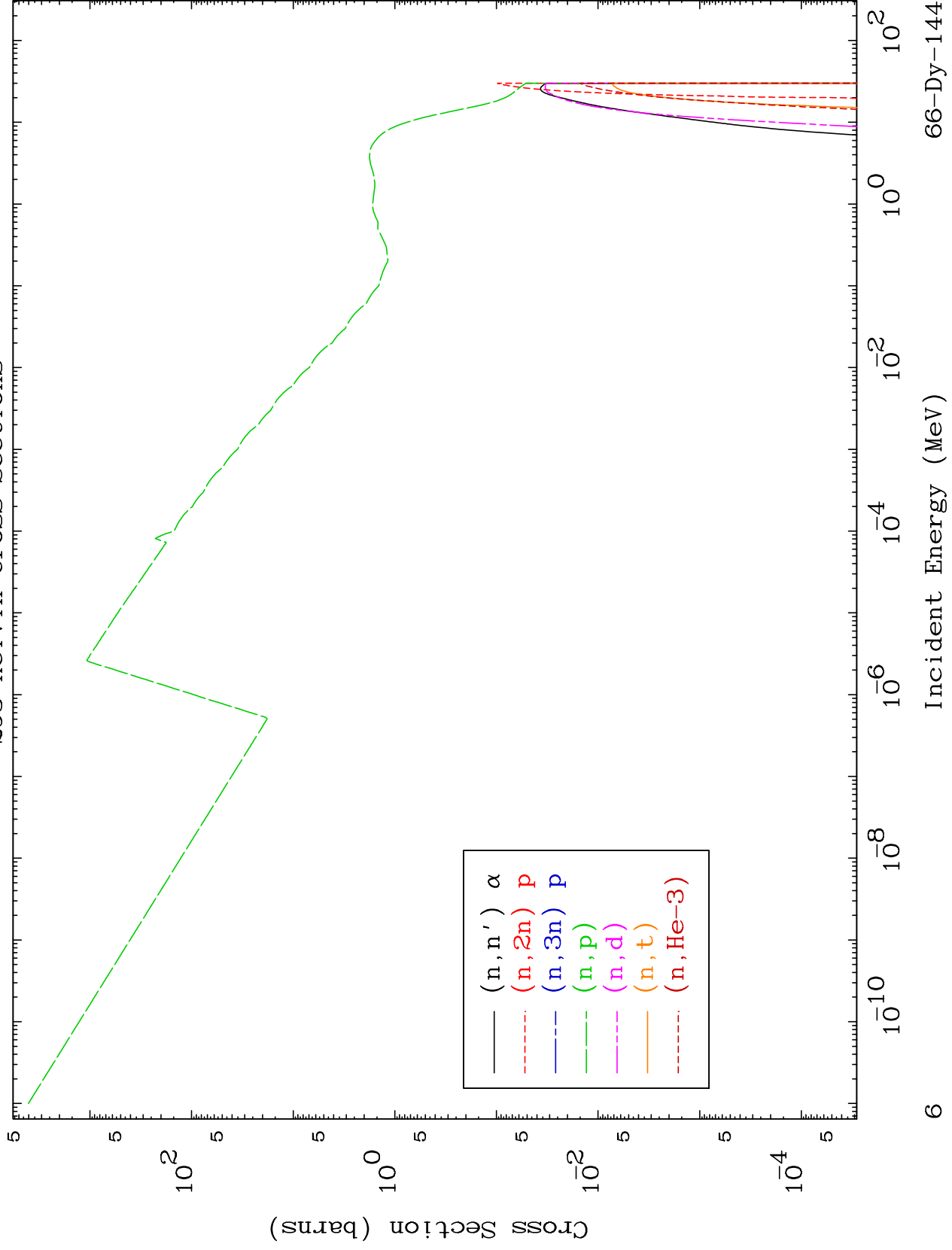
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MAT 6589

Charged Particle
293 Kelvin Cross Sections

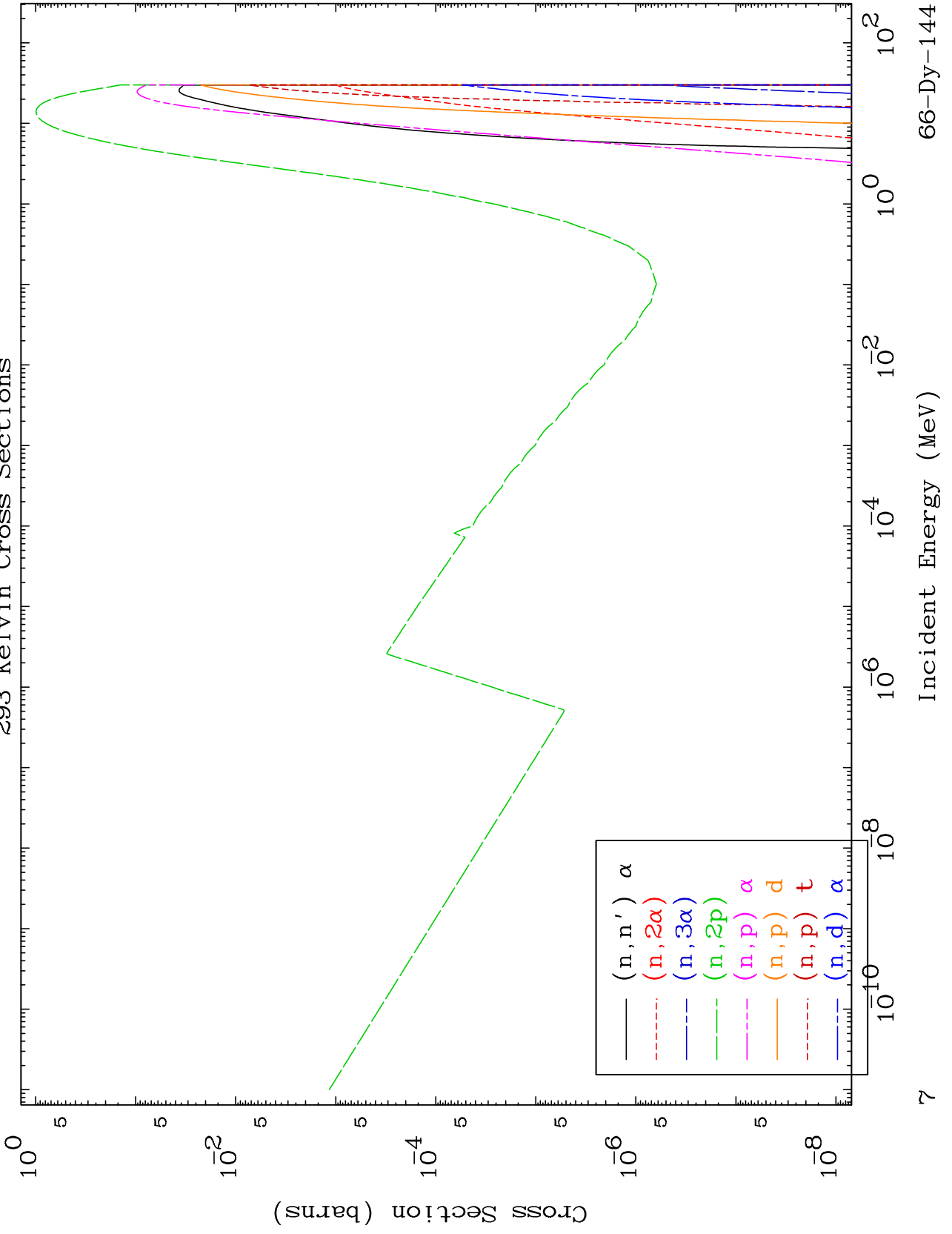
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MAT 6589

Charged Particle
293 Kelvin Cross Sections

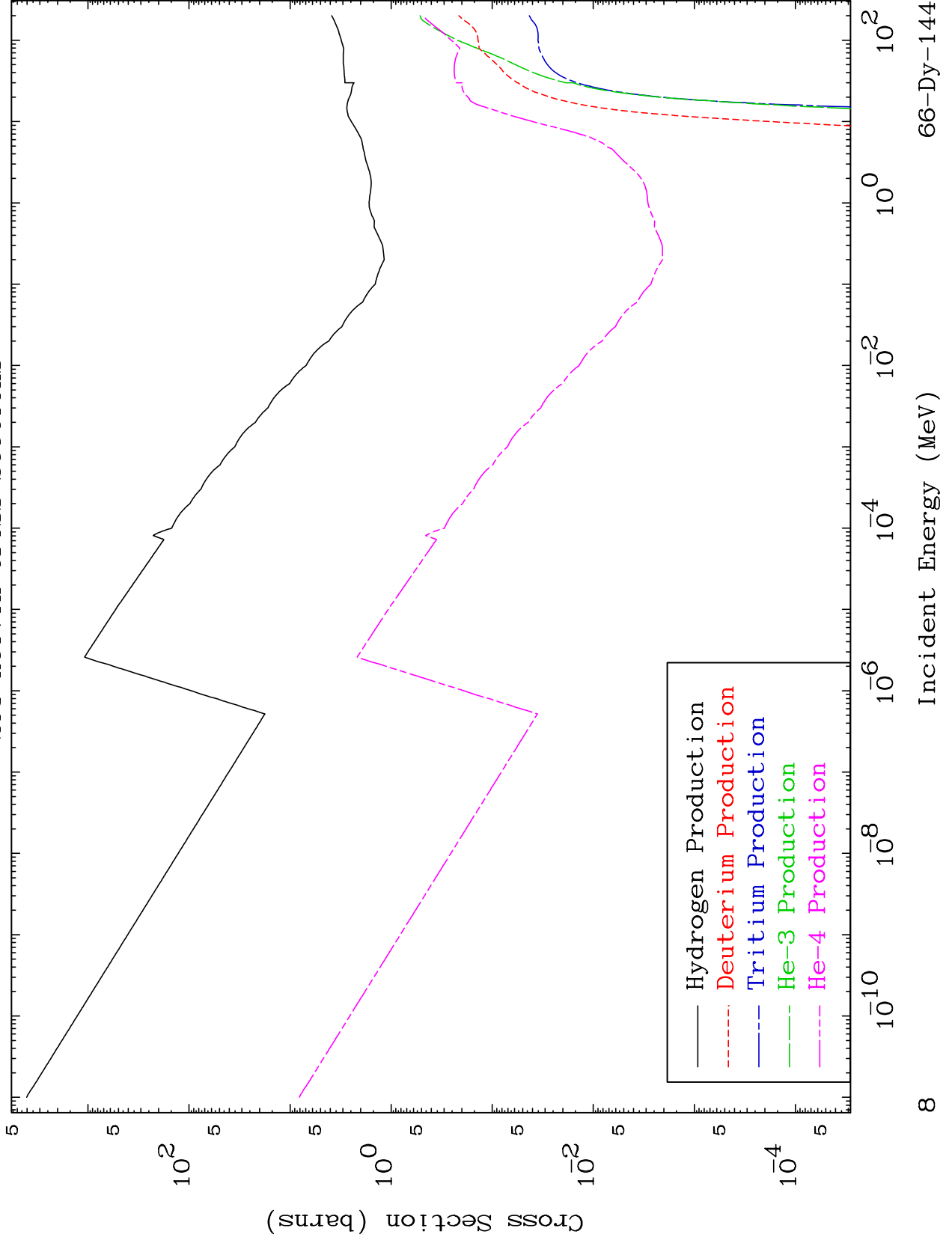
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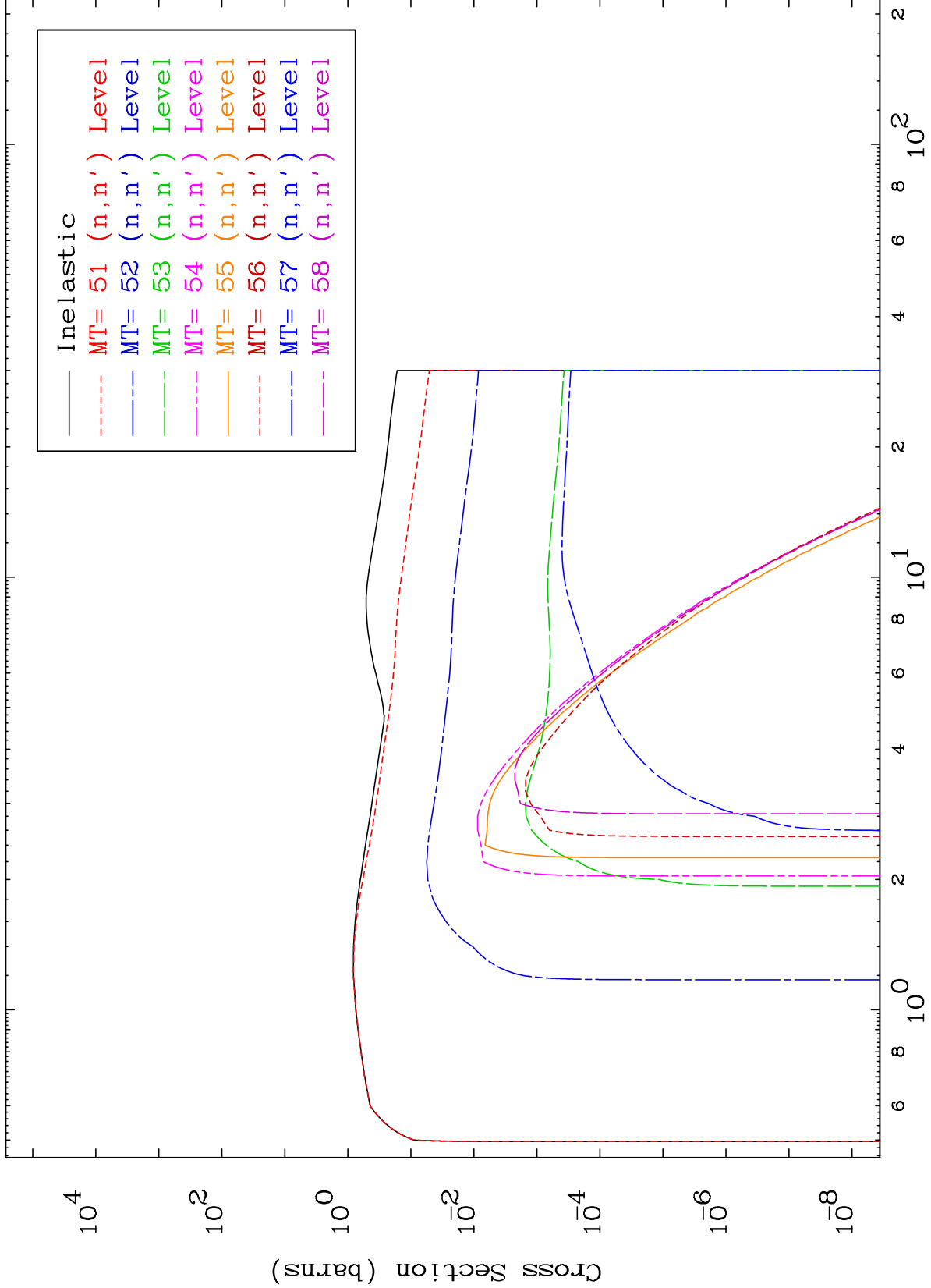


MAT 6589

Particle Production
293 Kelvin Cross Sections

66-Dy-144

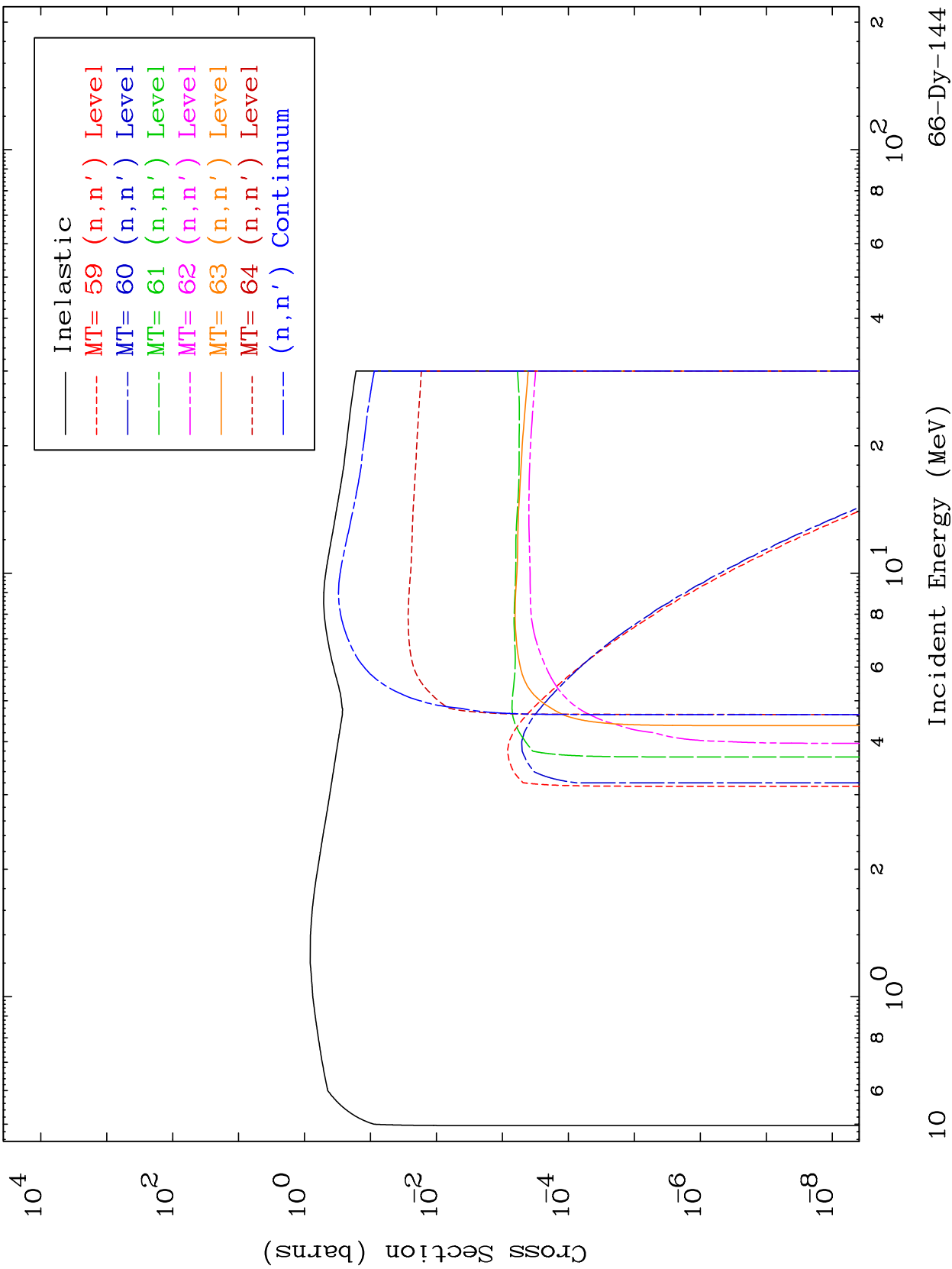




MAT 6589

(n,n') Levels
293 Kelvin Cross Sections

66-Dy-144



66-Dy-144

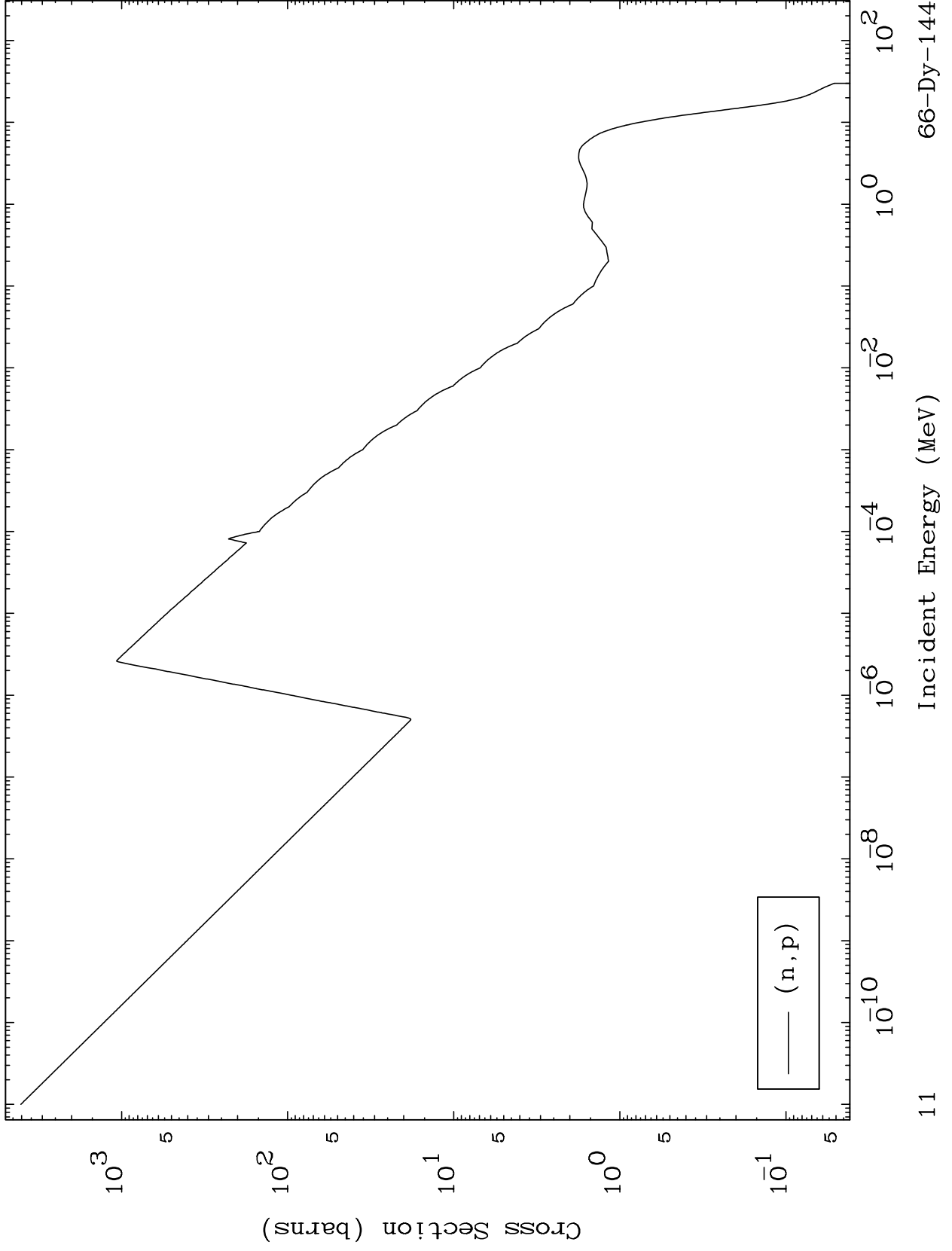
Incident Energy (MeV)

10

MAT 6589

(n,p) Levels
293 Kelvin Cross Sections

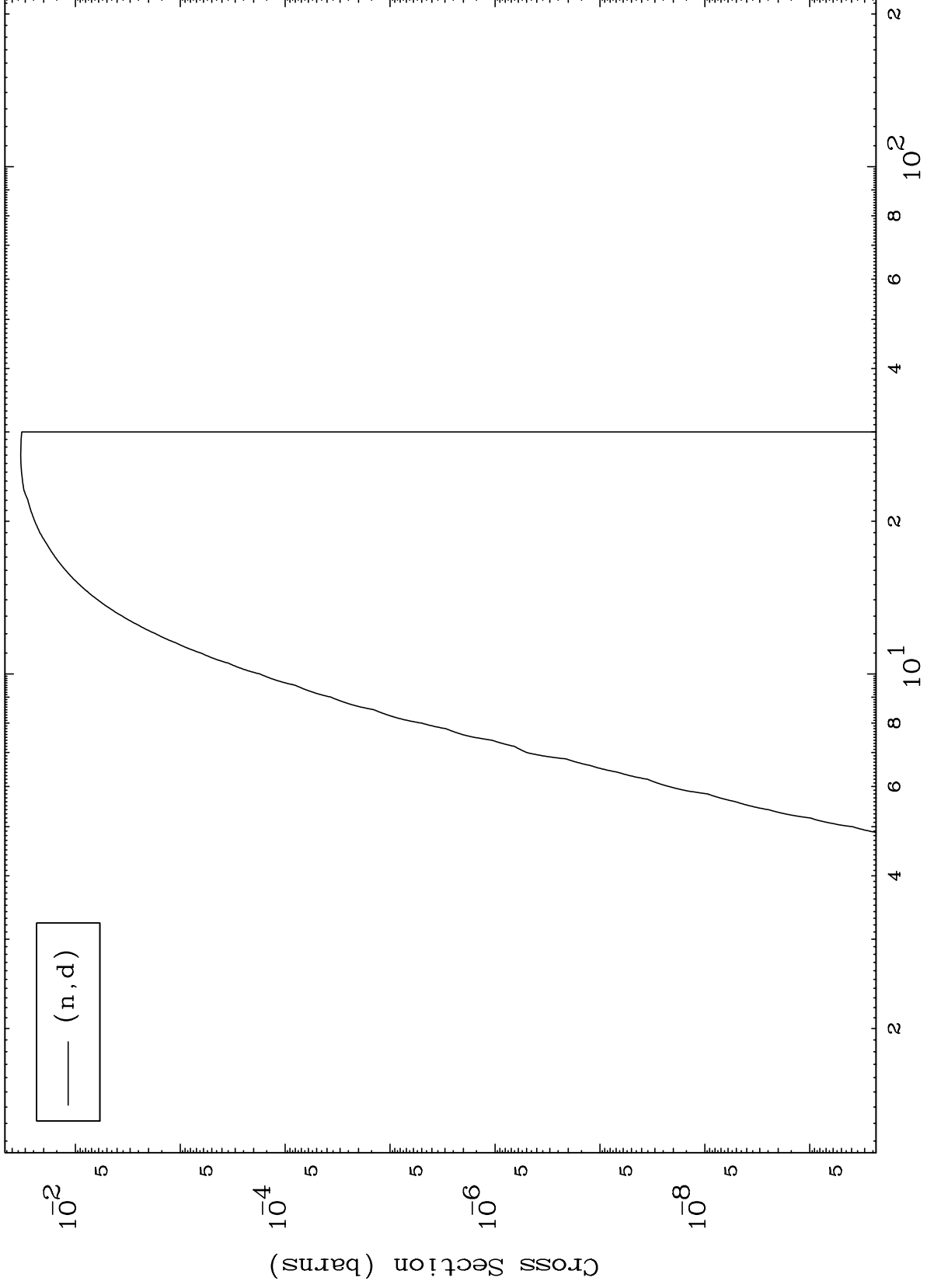
66-Dy-144



MAT 6589

(n,d) Levels
293 Kelvin Cross Sections

66-Dy-144



12

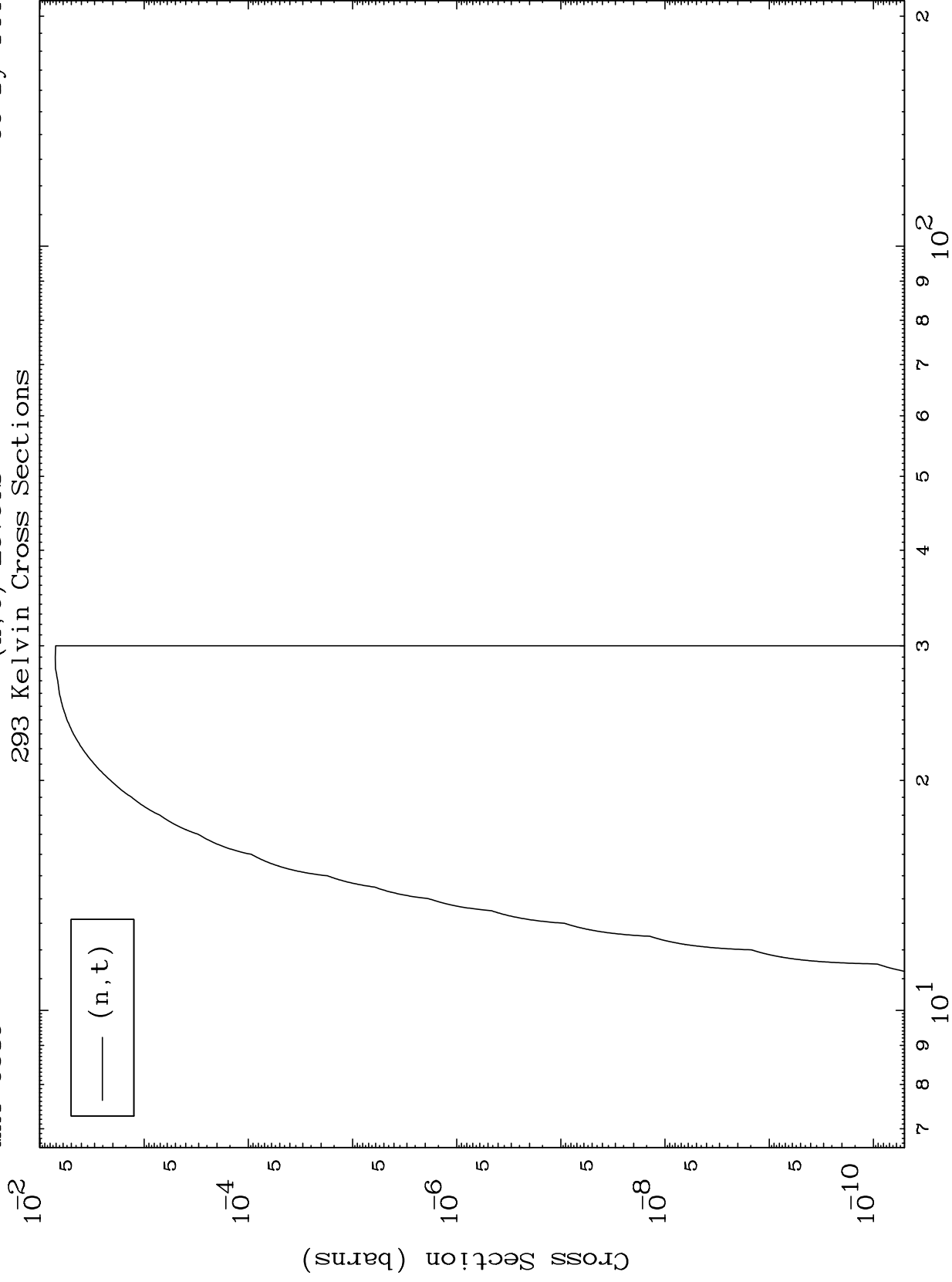
Incident Energy (MeV)

66-Dy-144

MAT 6589

(n,t) Levels
293 Kelvin Cross Sections

66-Dy-144



13

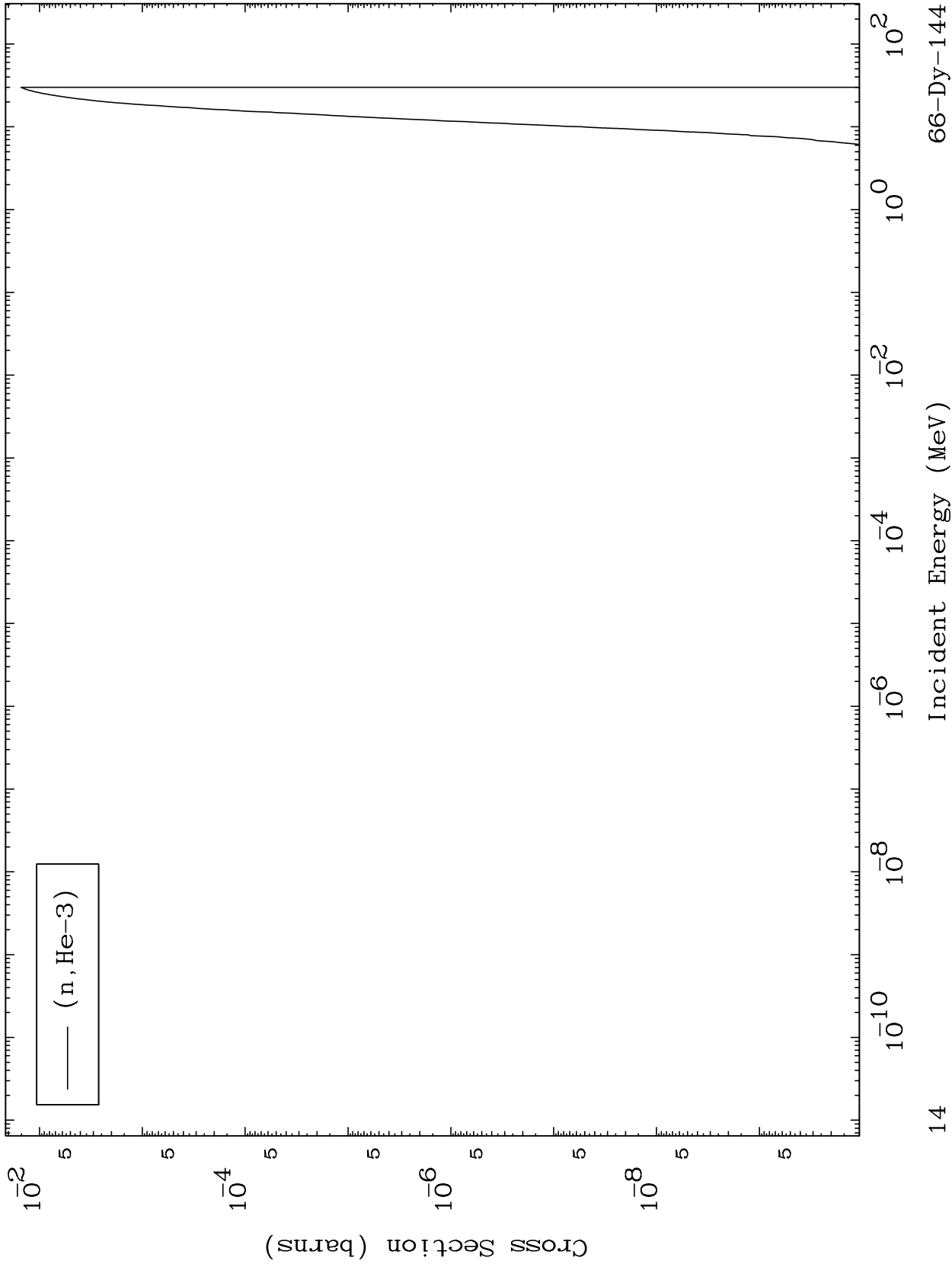
Incident Energy (MeV)

66-Dy-144

MAT 6589

(n,He3) Levels
293 Kelvin Cross Sections

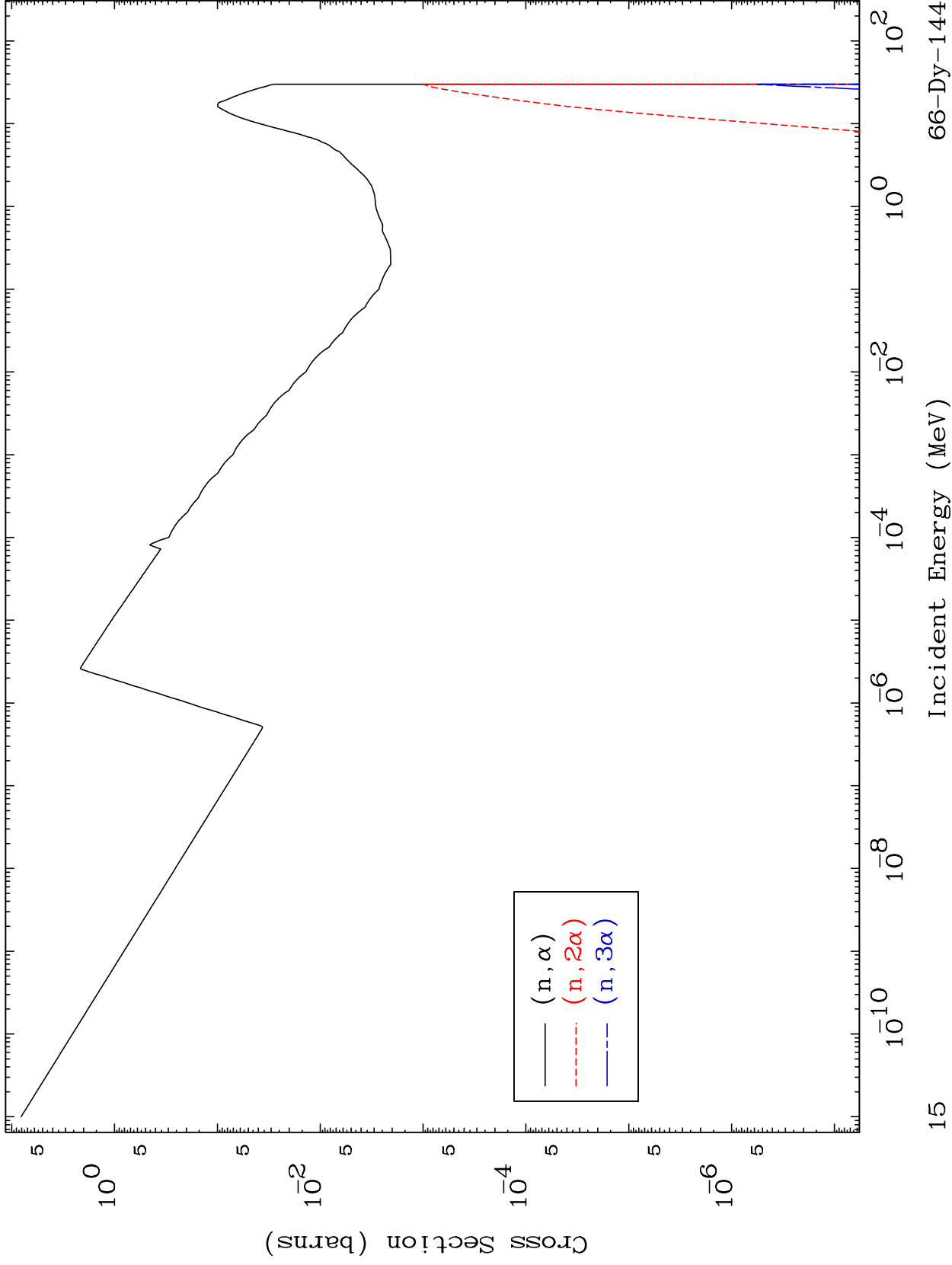
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MAT 6589

(n,α) Levels
293 Kelvin Cross Sections

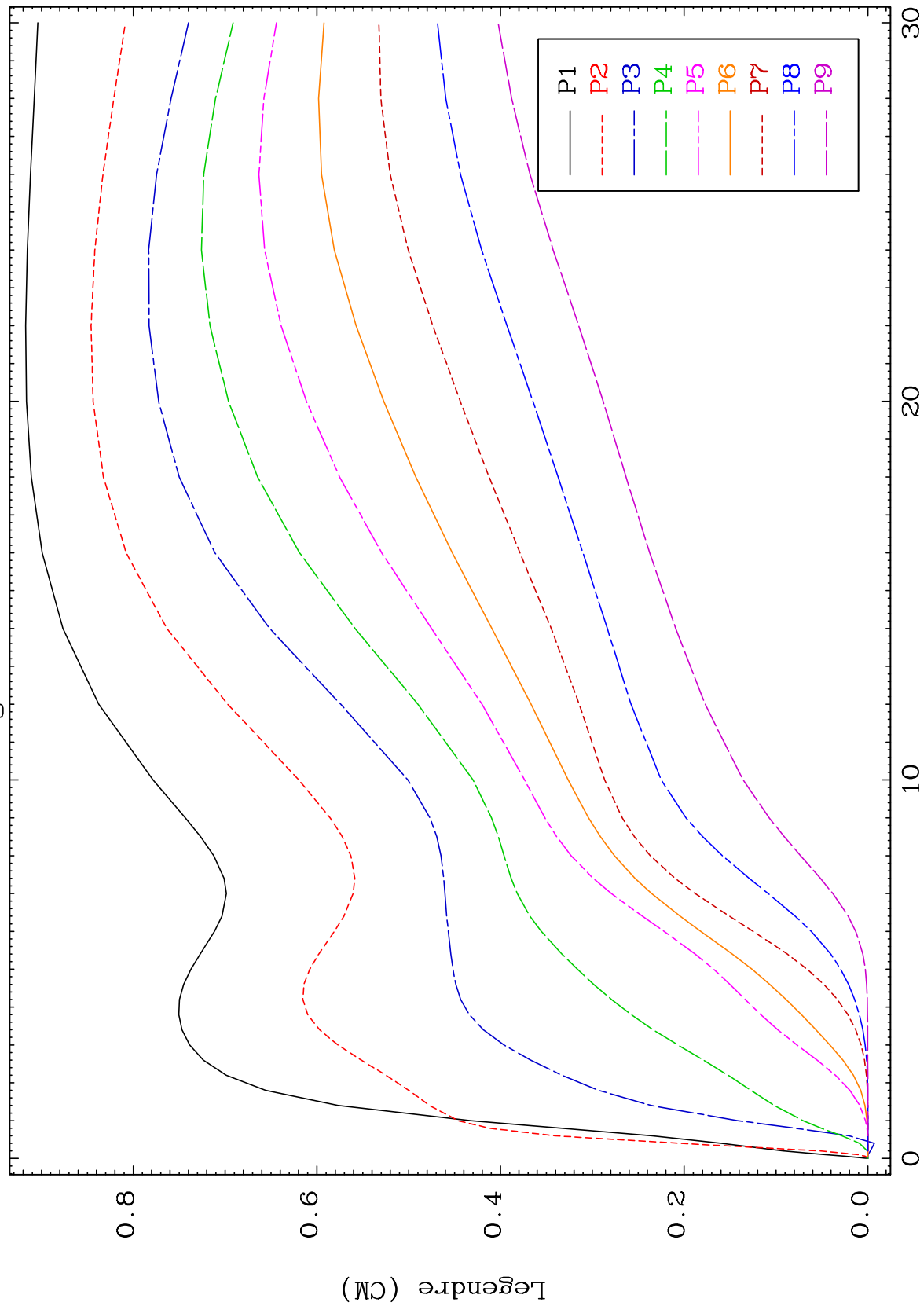
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MAT 6589

Elastic Legendre Coefficients

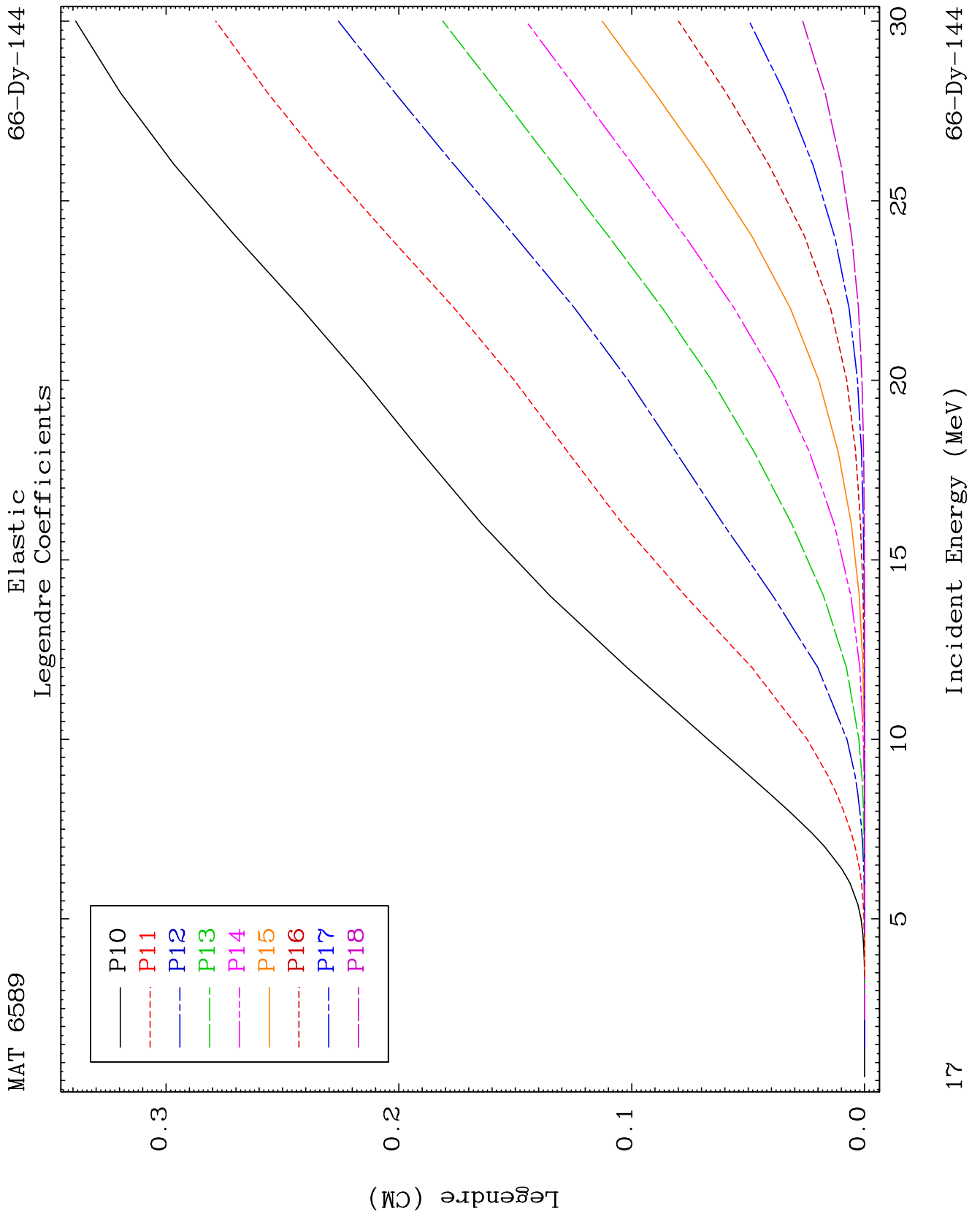
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16

Incident Energy (MeV)

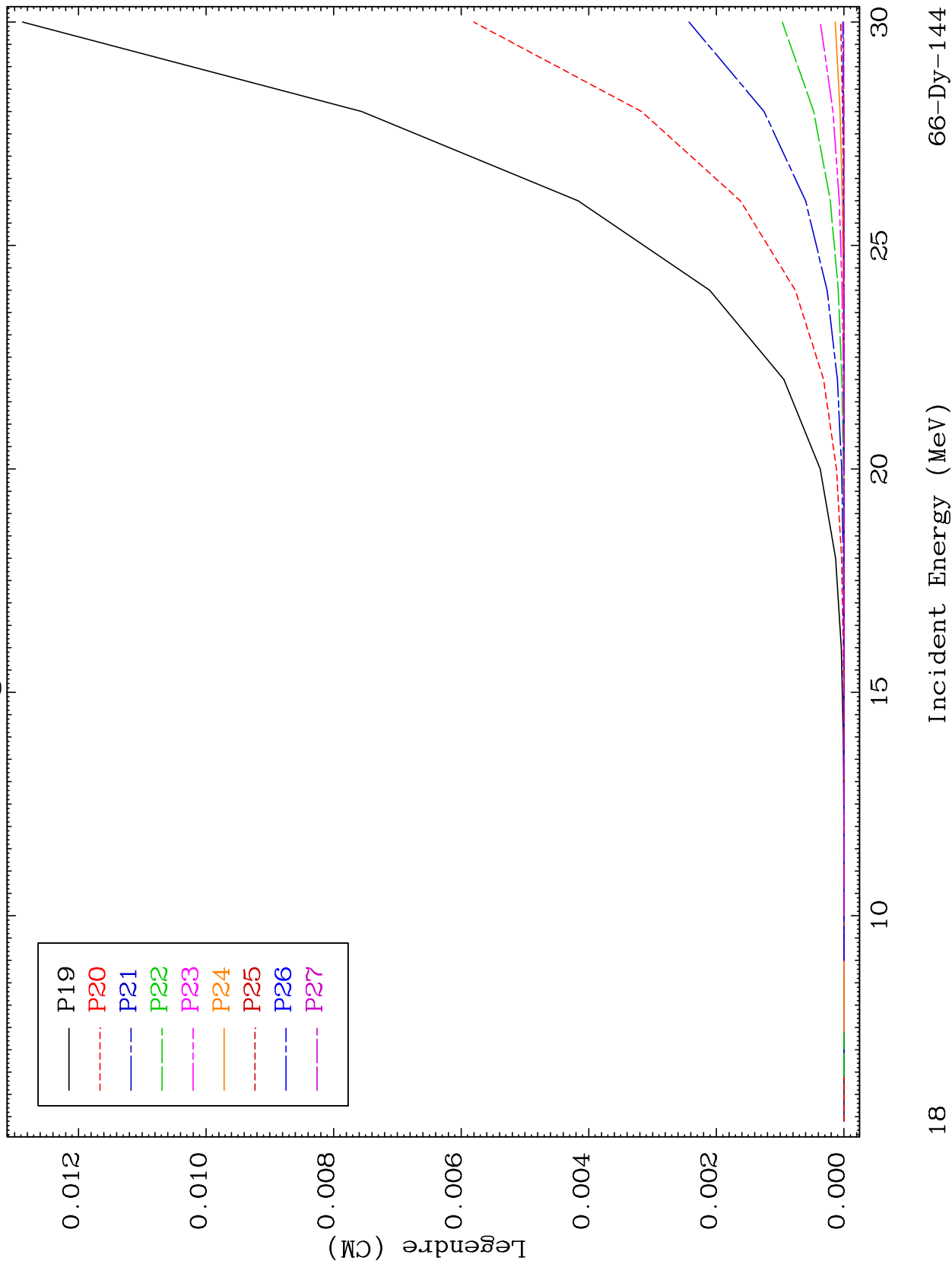
66-Dy-144



MAT 6589

Elastic Legendre Coefficients

66-Dy-144



18

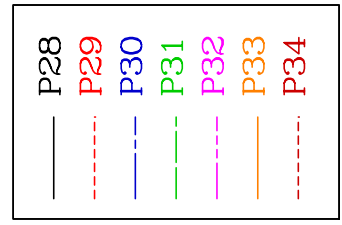
Incident Energy (MeV)

66-Dy-144

MAT 6589

Elastic Legendre Coefficients

66-Dy-144



$\times 10^{-6}$

1.5

Legendre (CM)

1.0

0.5

0.0

15

20

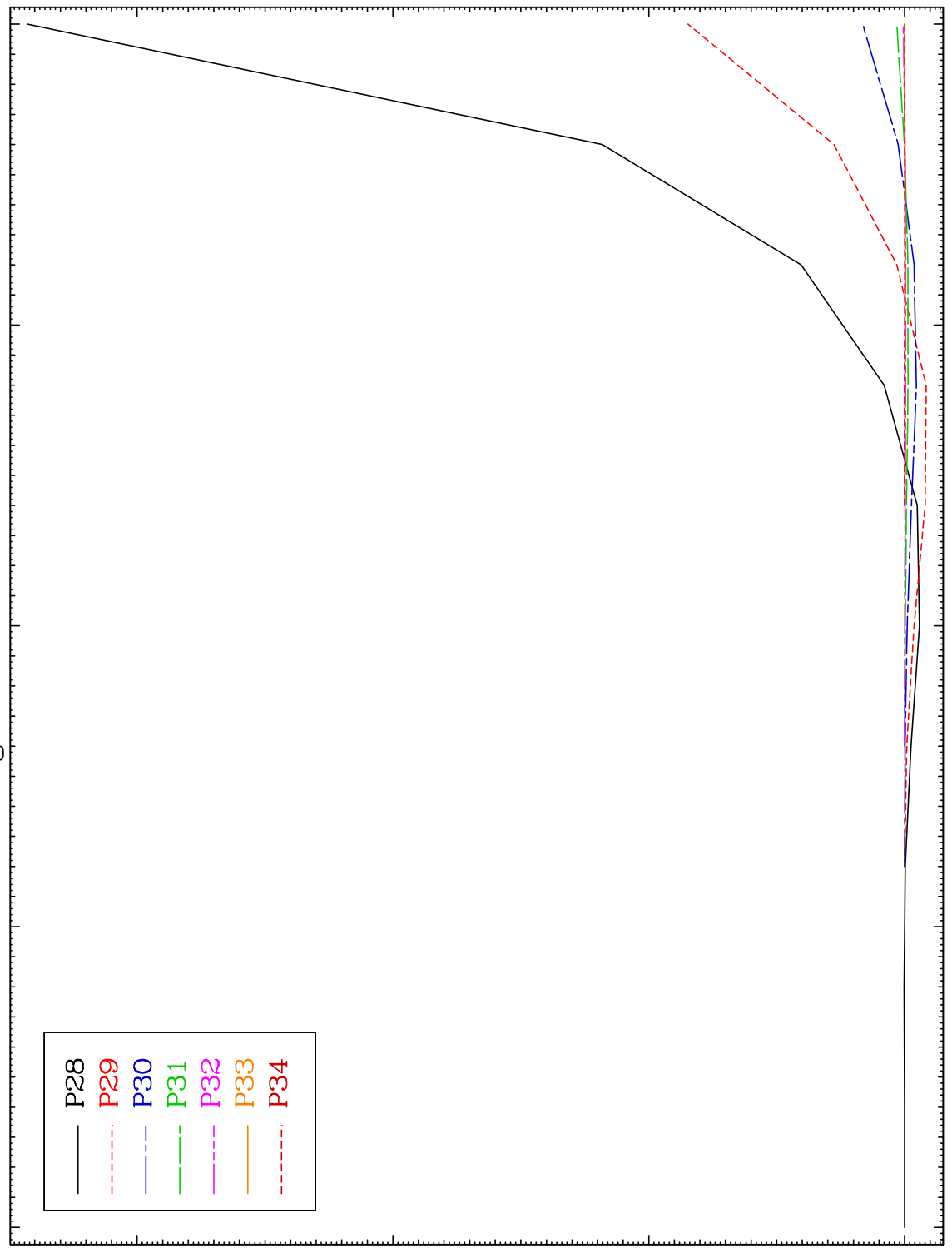
25

30

19

Incident Energy (MeV)

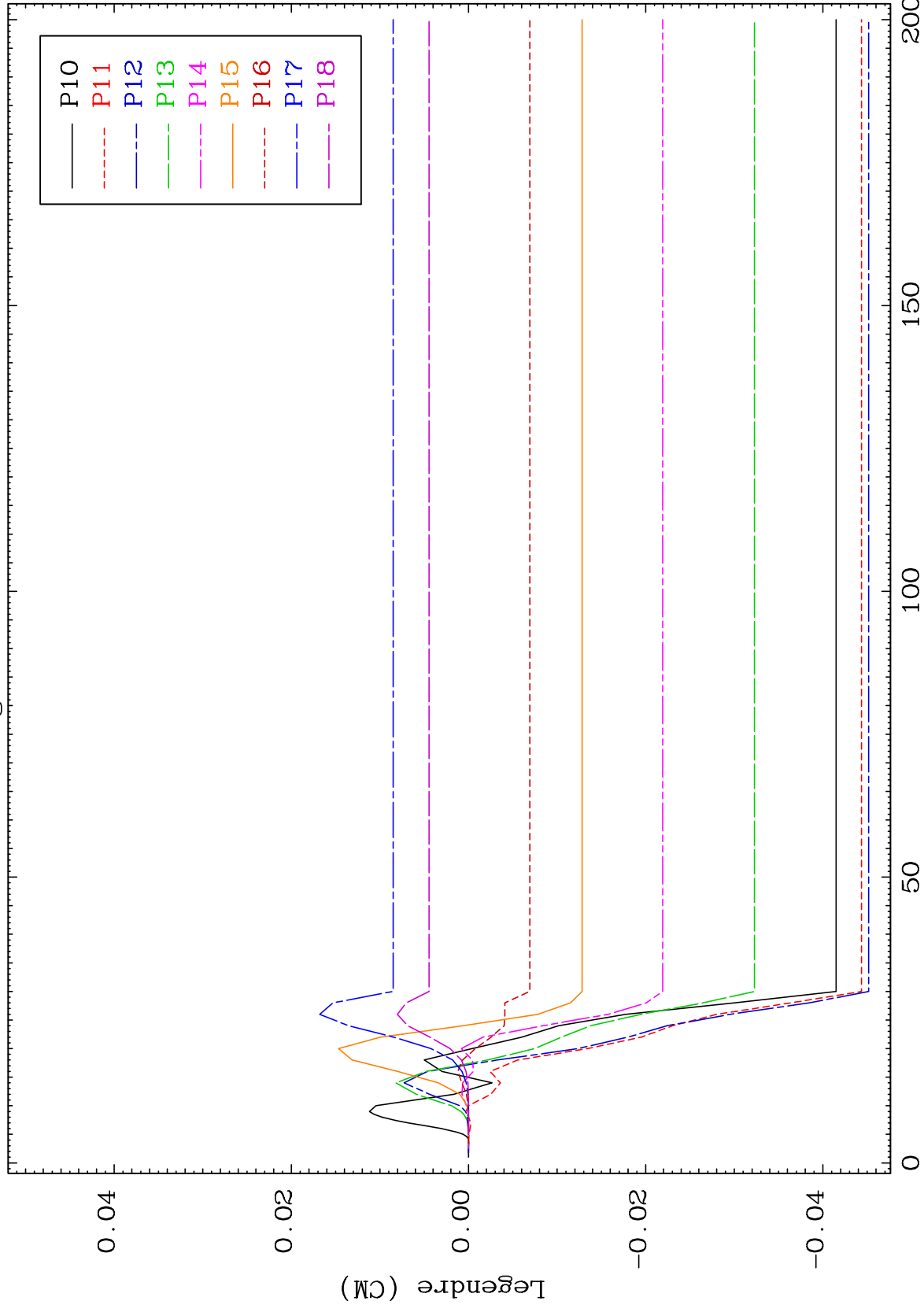
66-Dy-144



MAT 6589

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

66-Dy-144



21

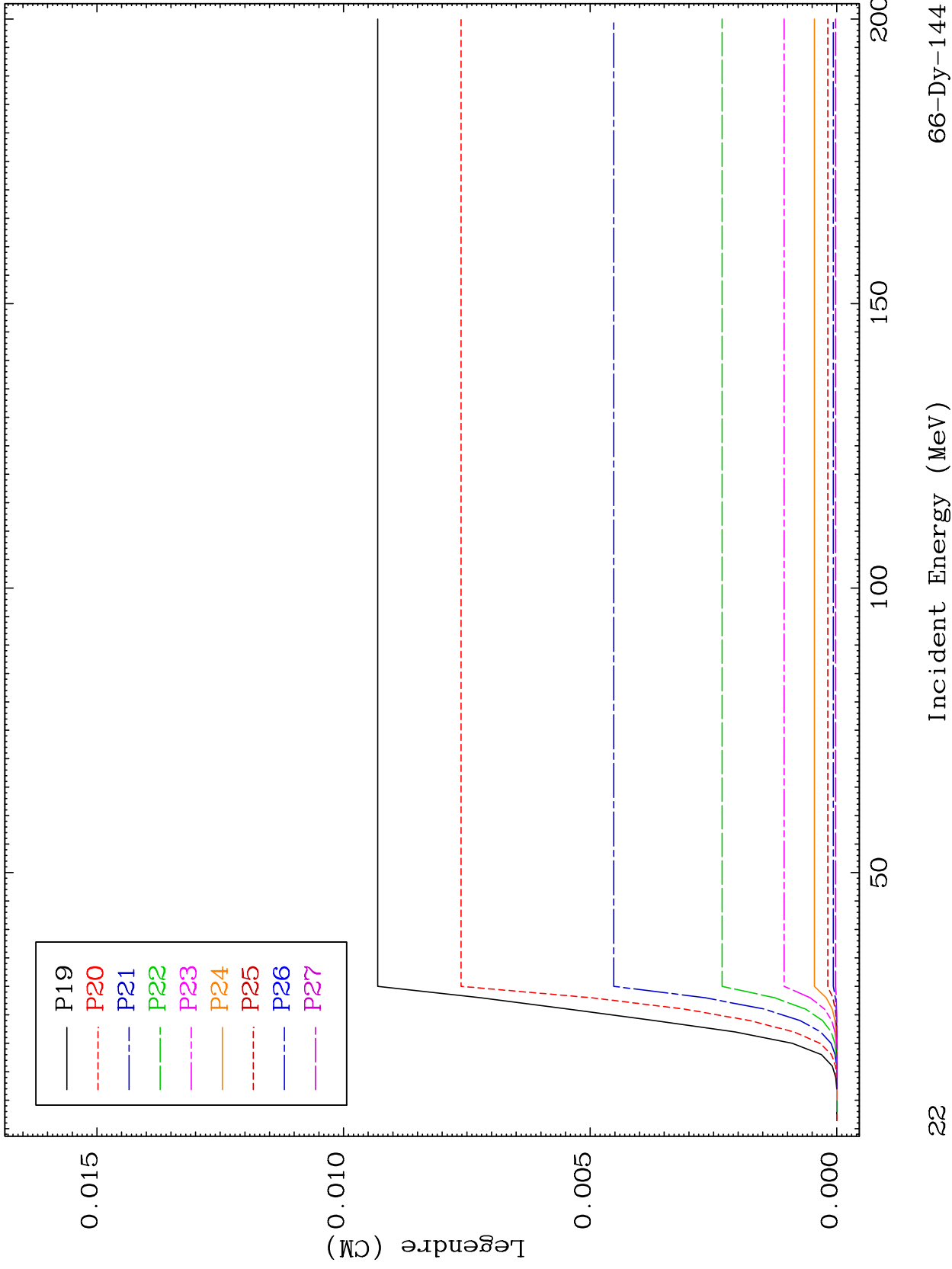
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



22

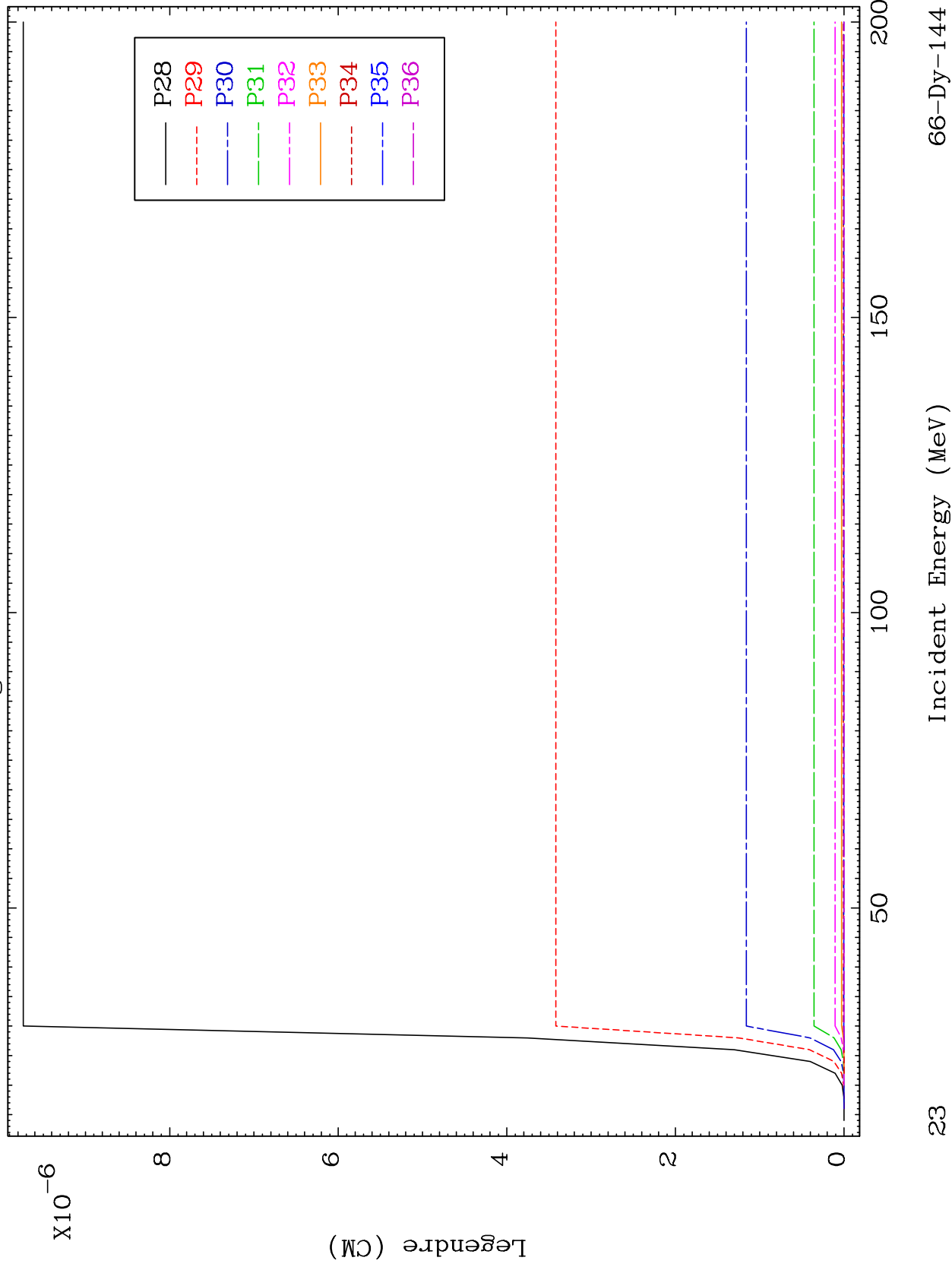
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



23

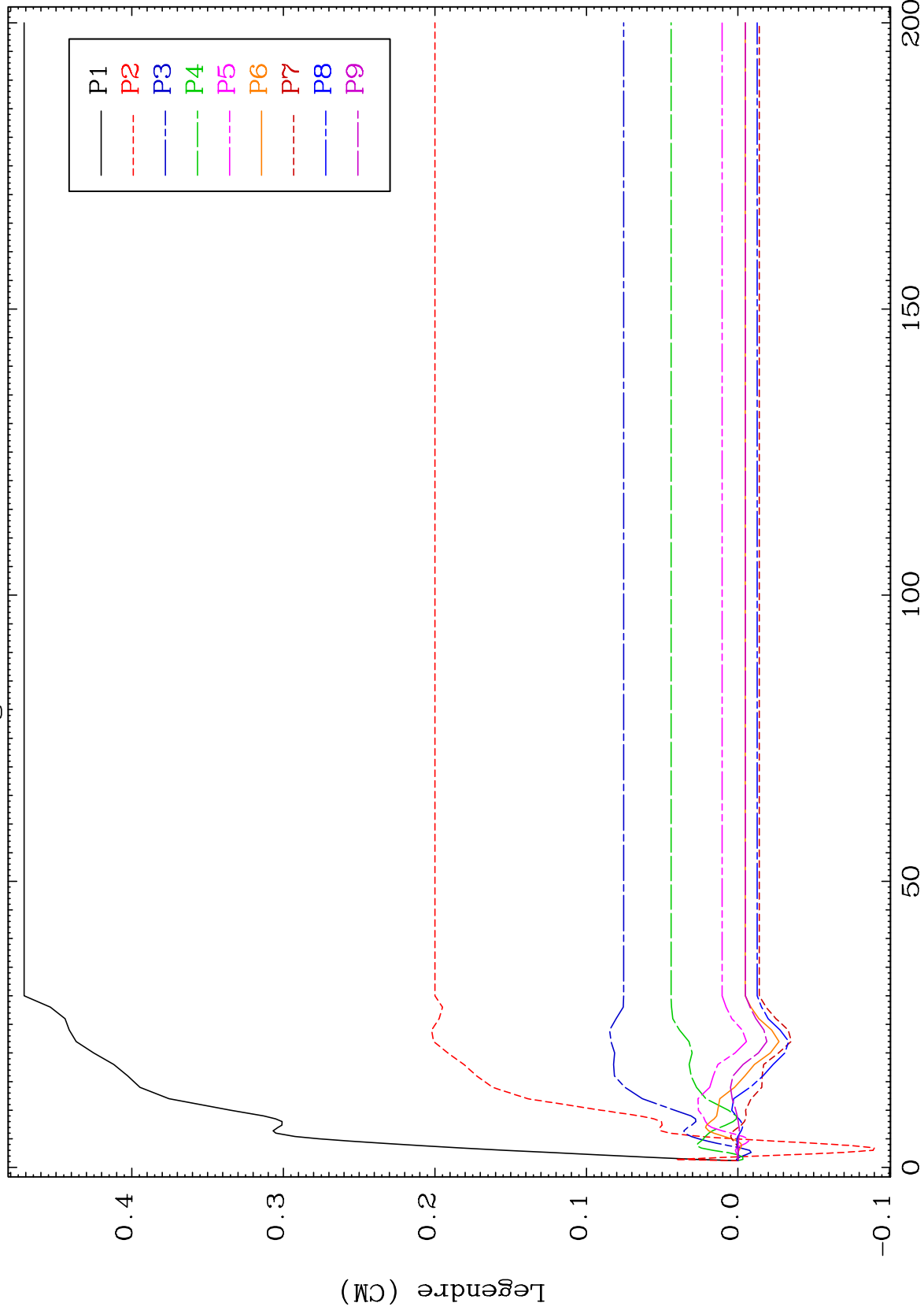
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



24

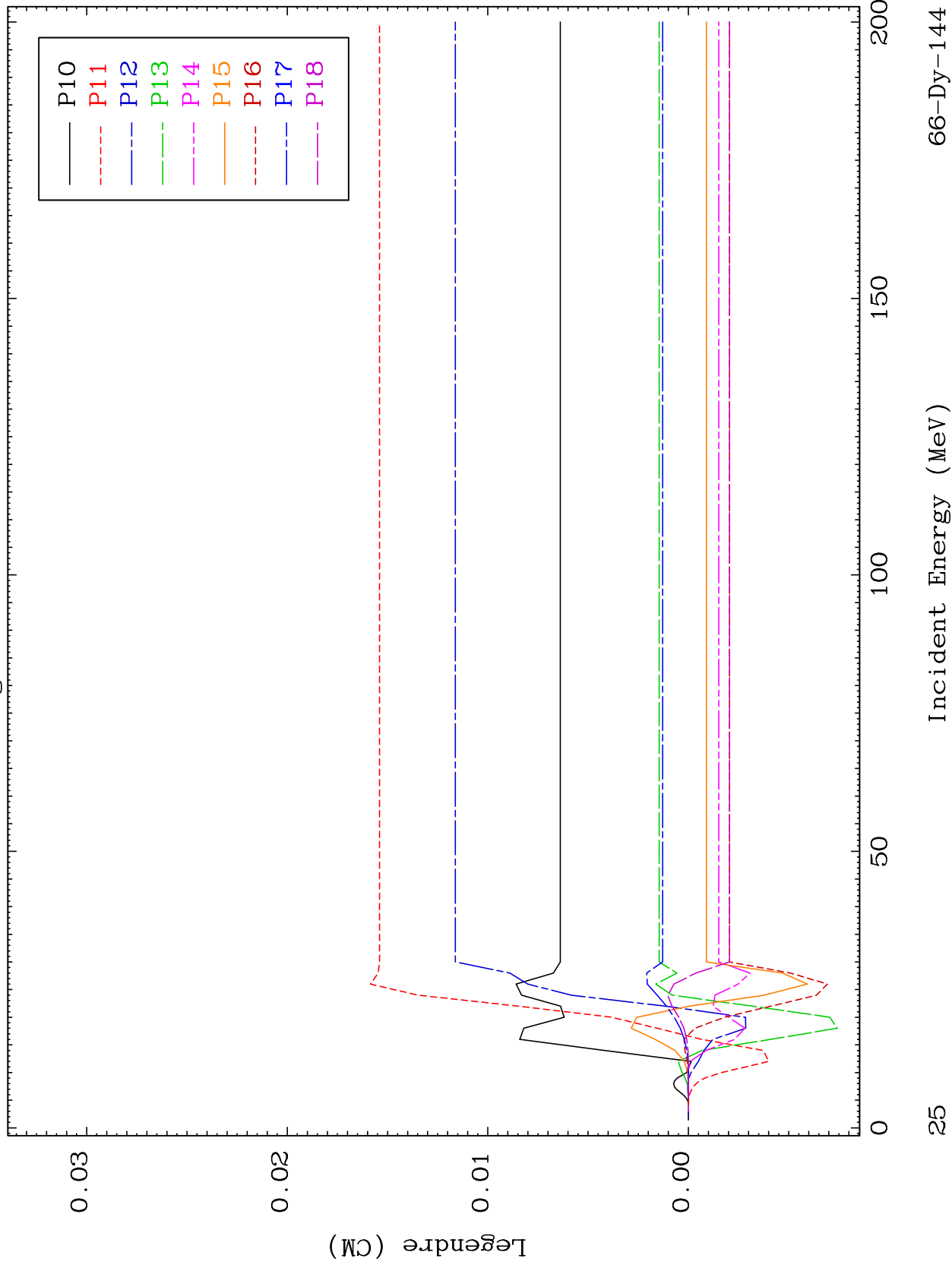
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



66-Dy-144

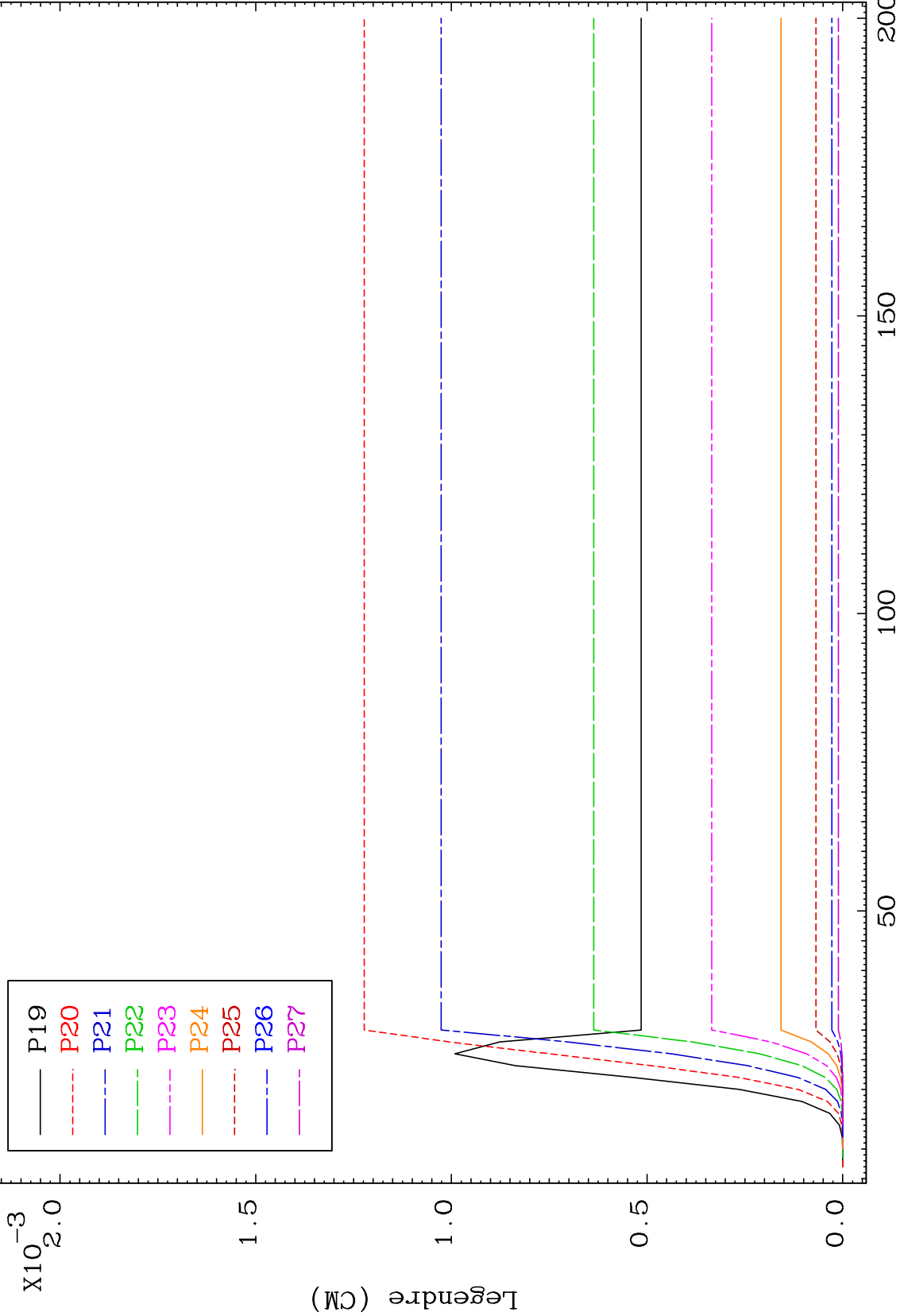
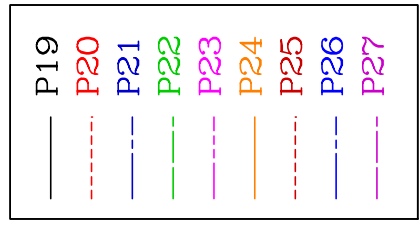
Incident Energy (MeV)

25

MAT 6589

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

66-Dy-144



26

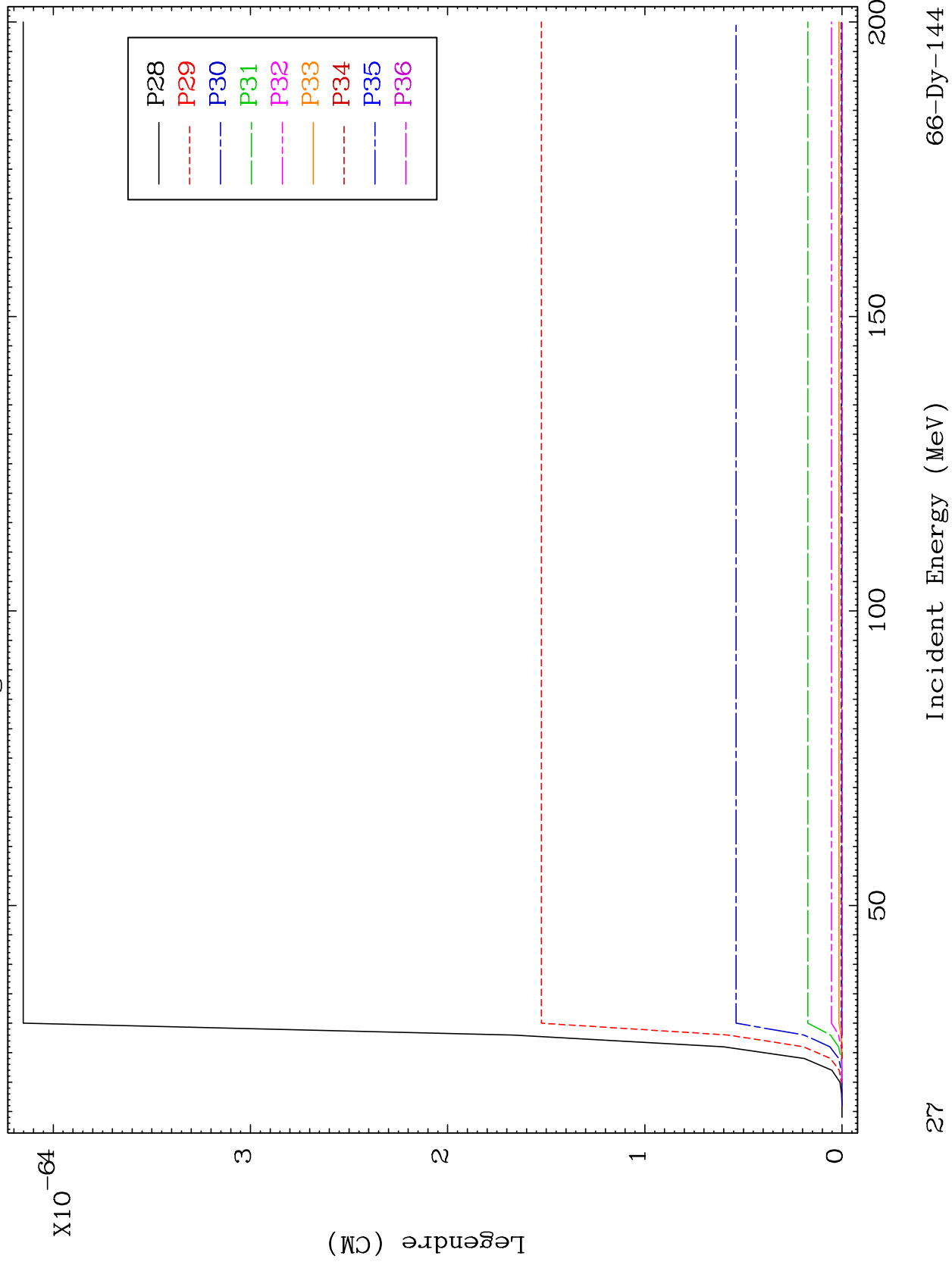
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

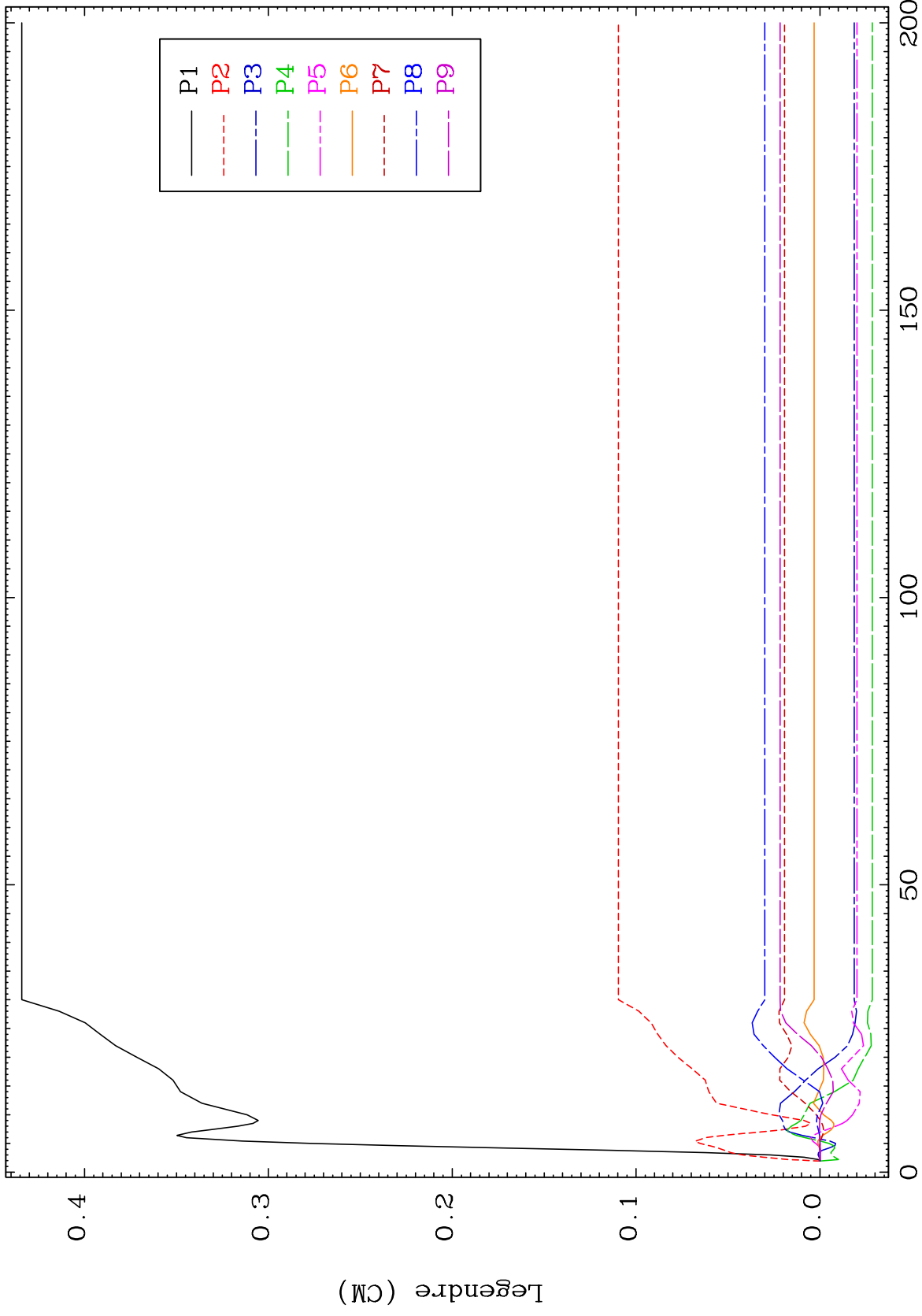
66-Dy-144



MAT 6589

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

66-Dy-144



28

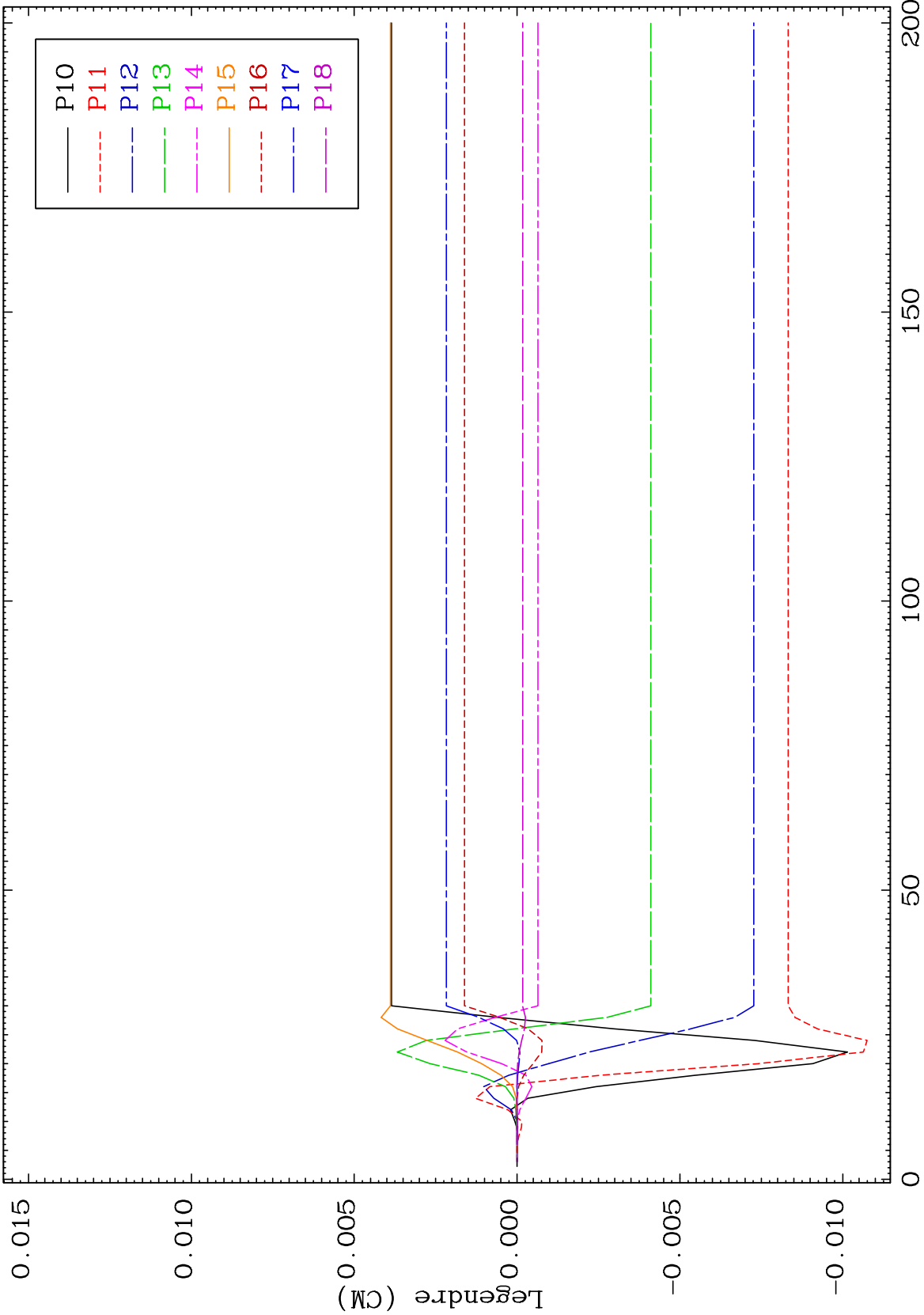
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

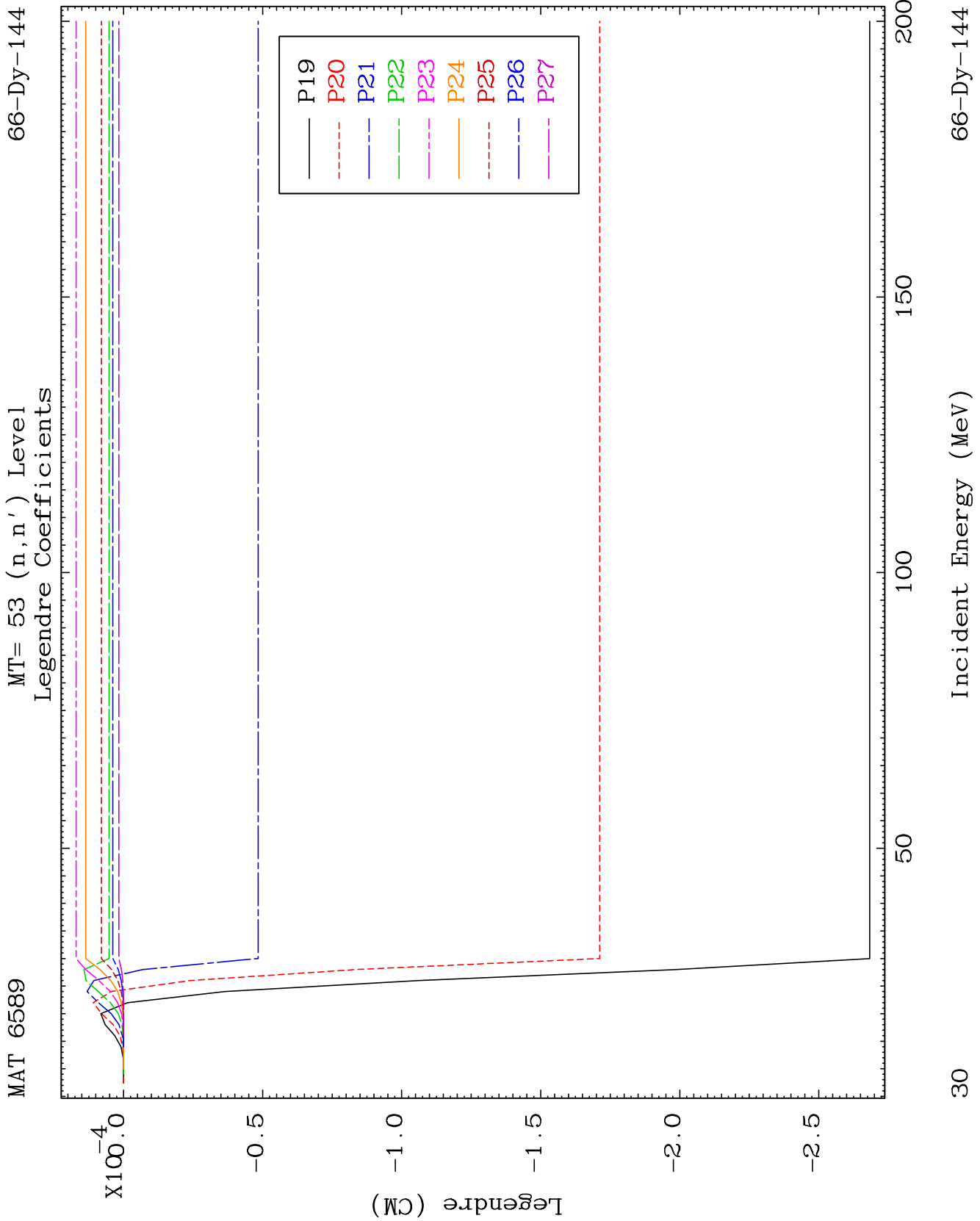
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29

Incident Energy (MeV)

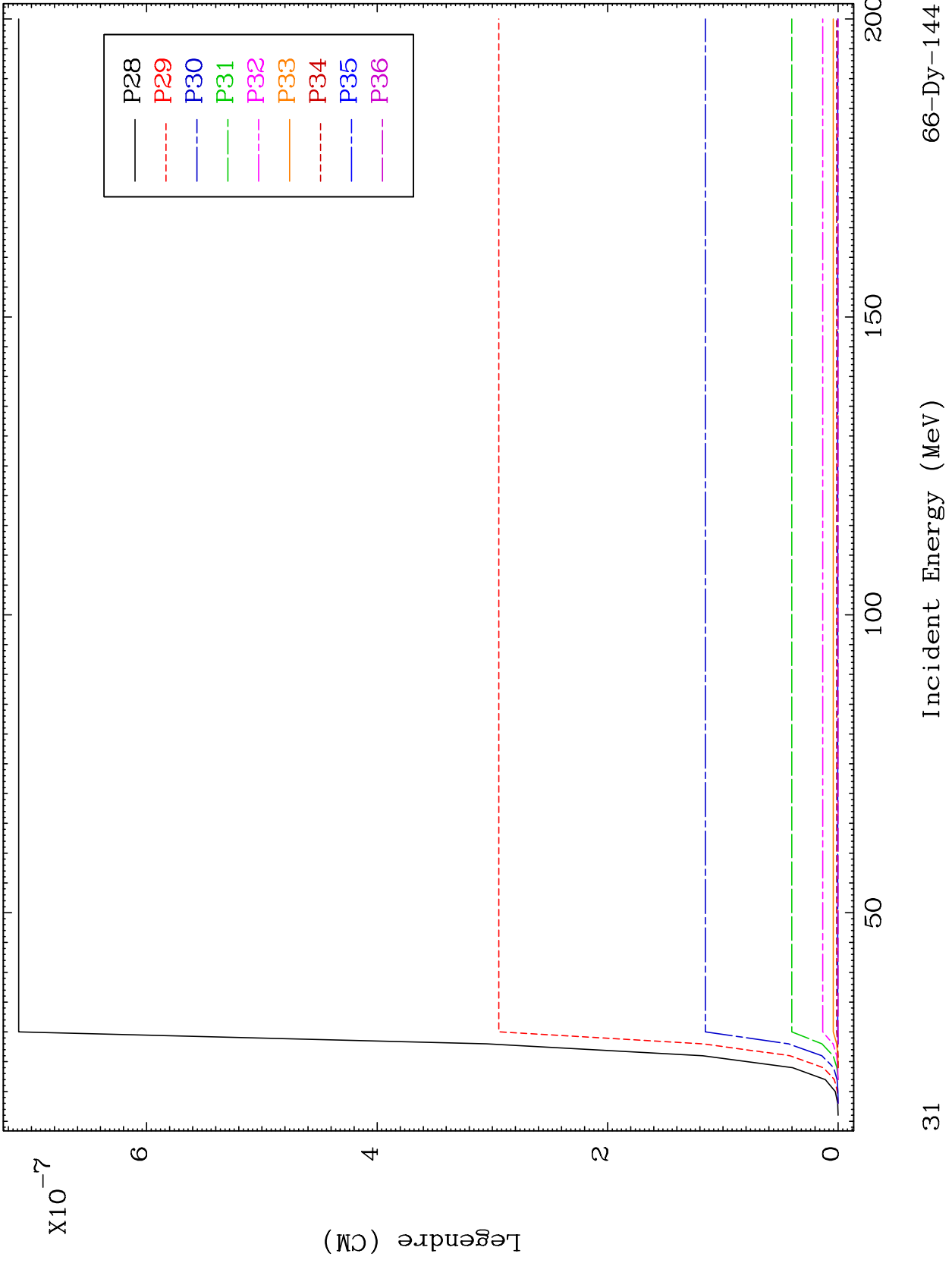
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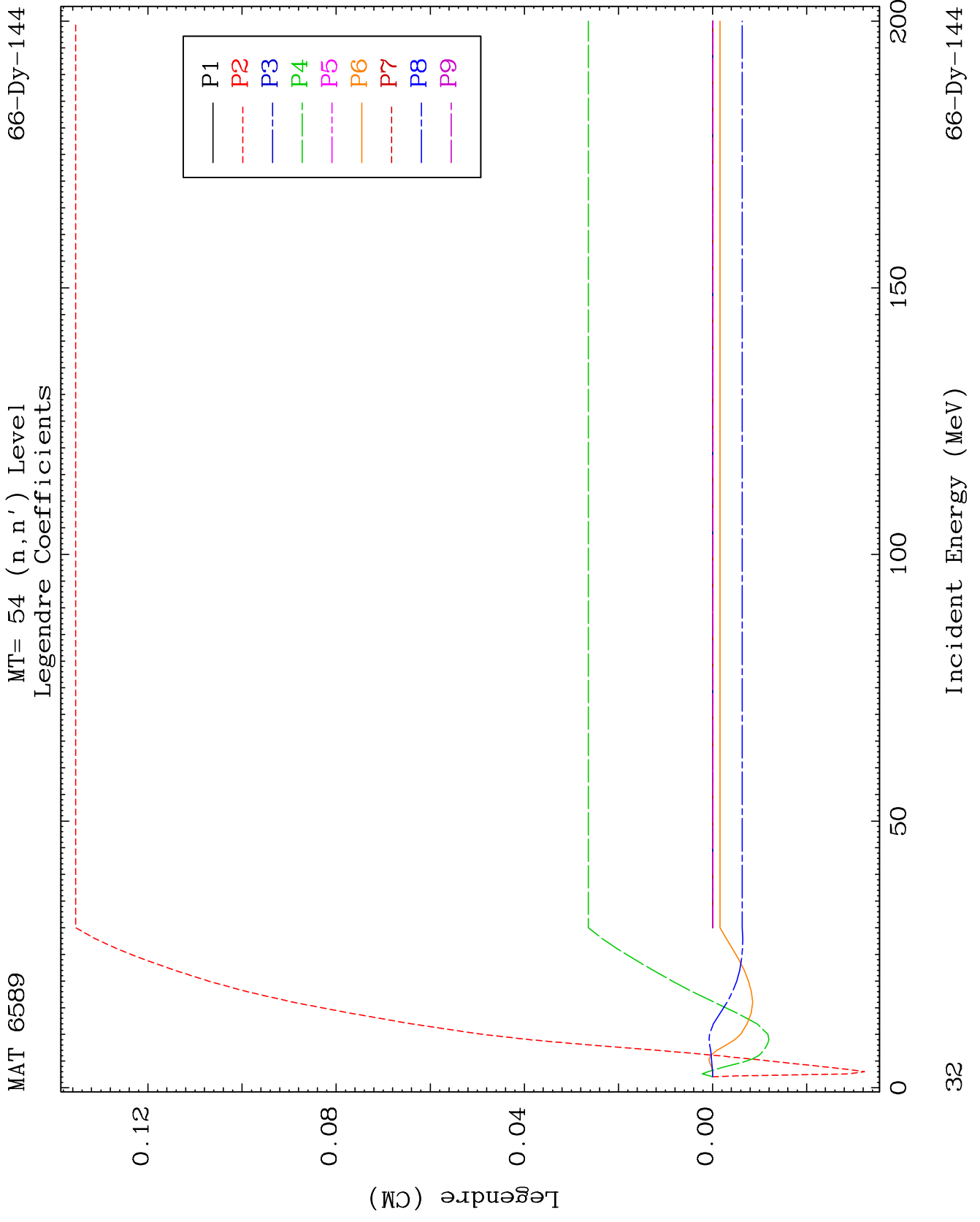


MAT 6589

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

66-Dy-144

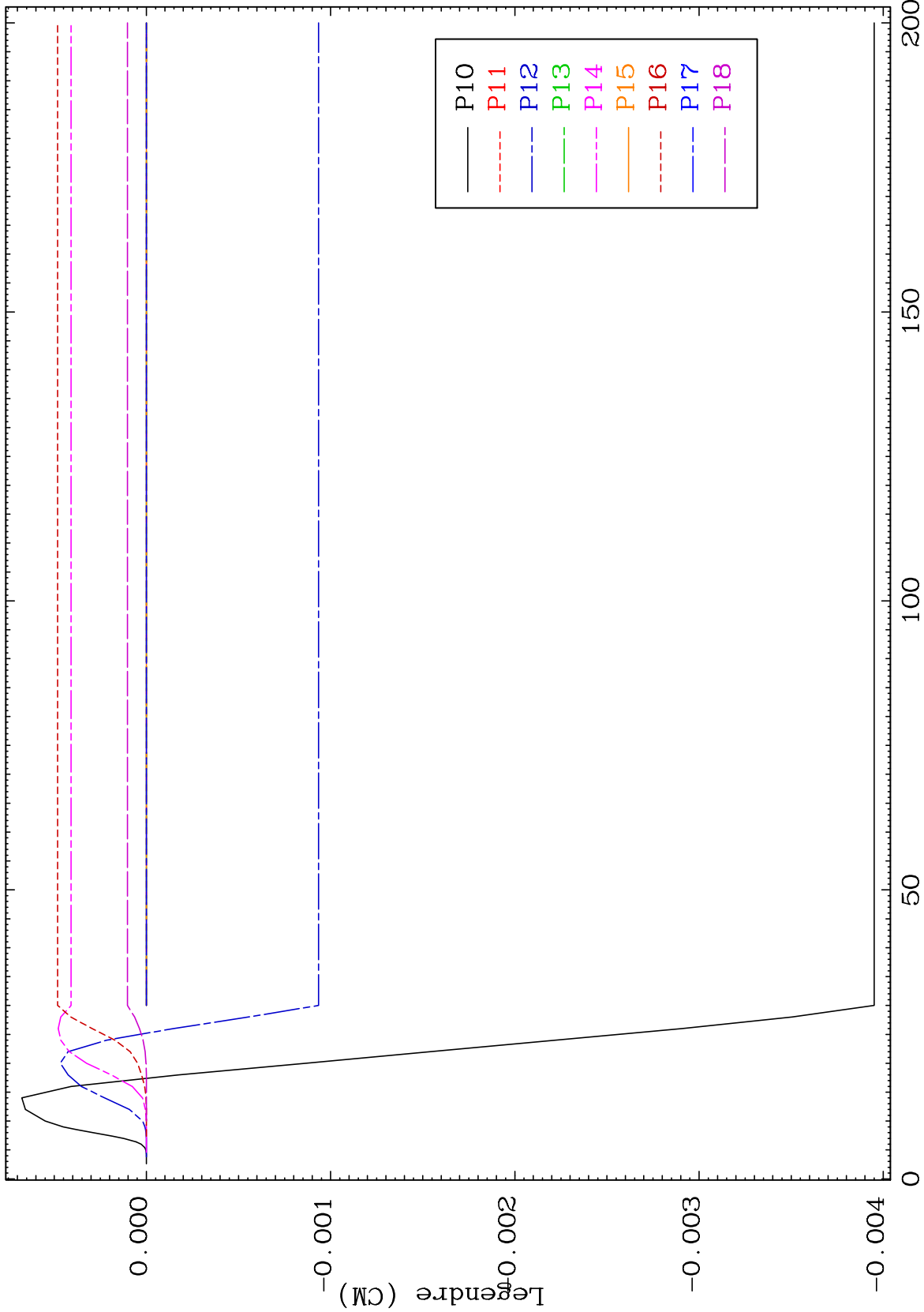




MAT 6589

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

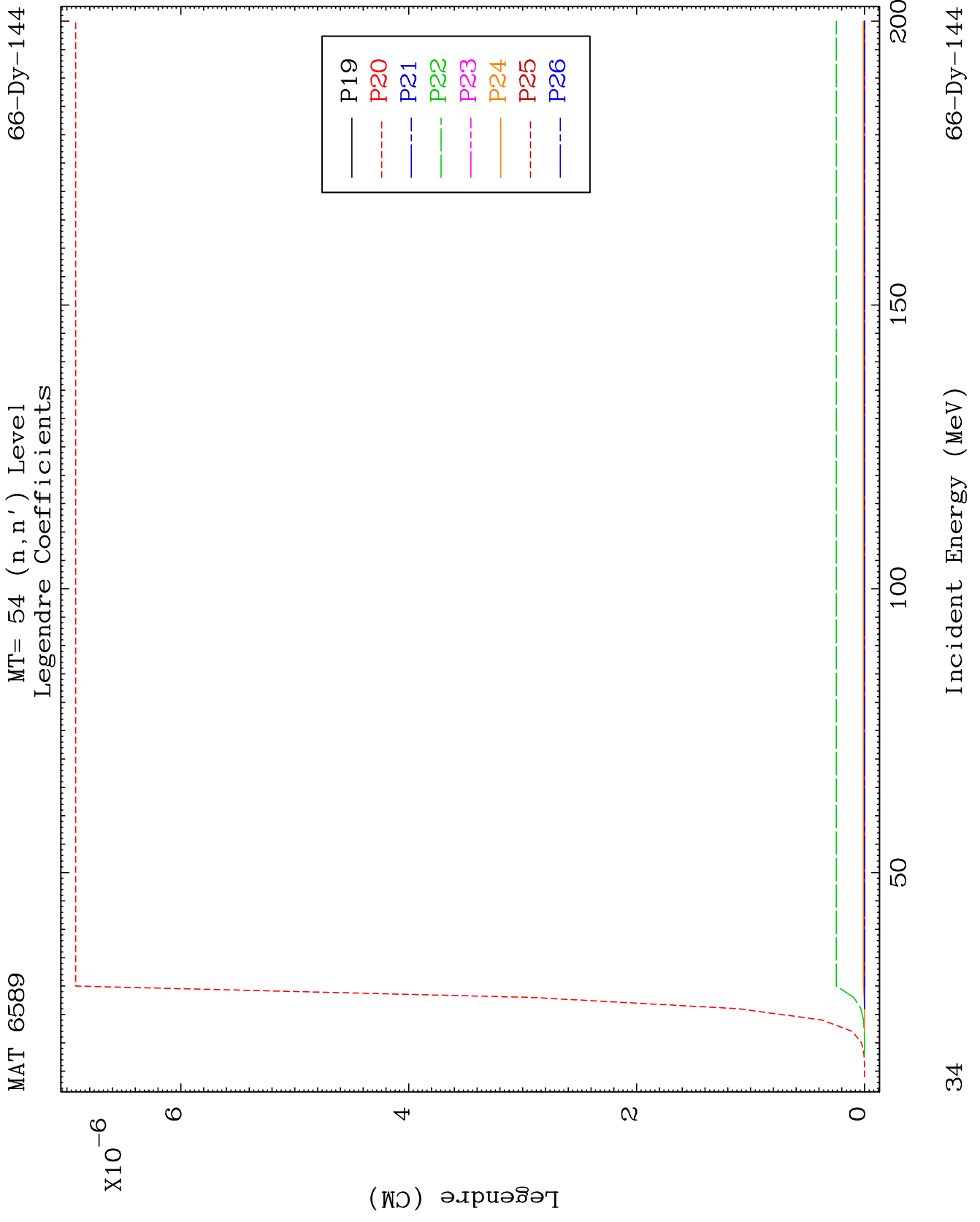
66-Dy-144



33

Incident Energy (MeV)

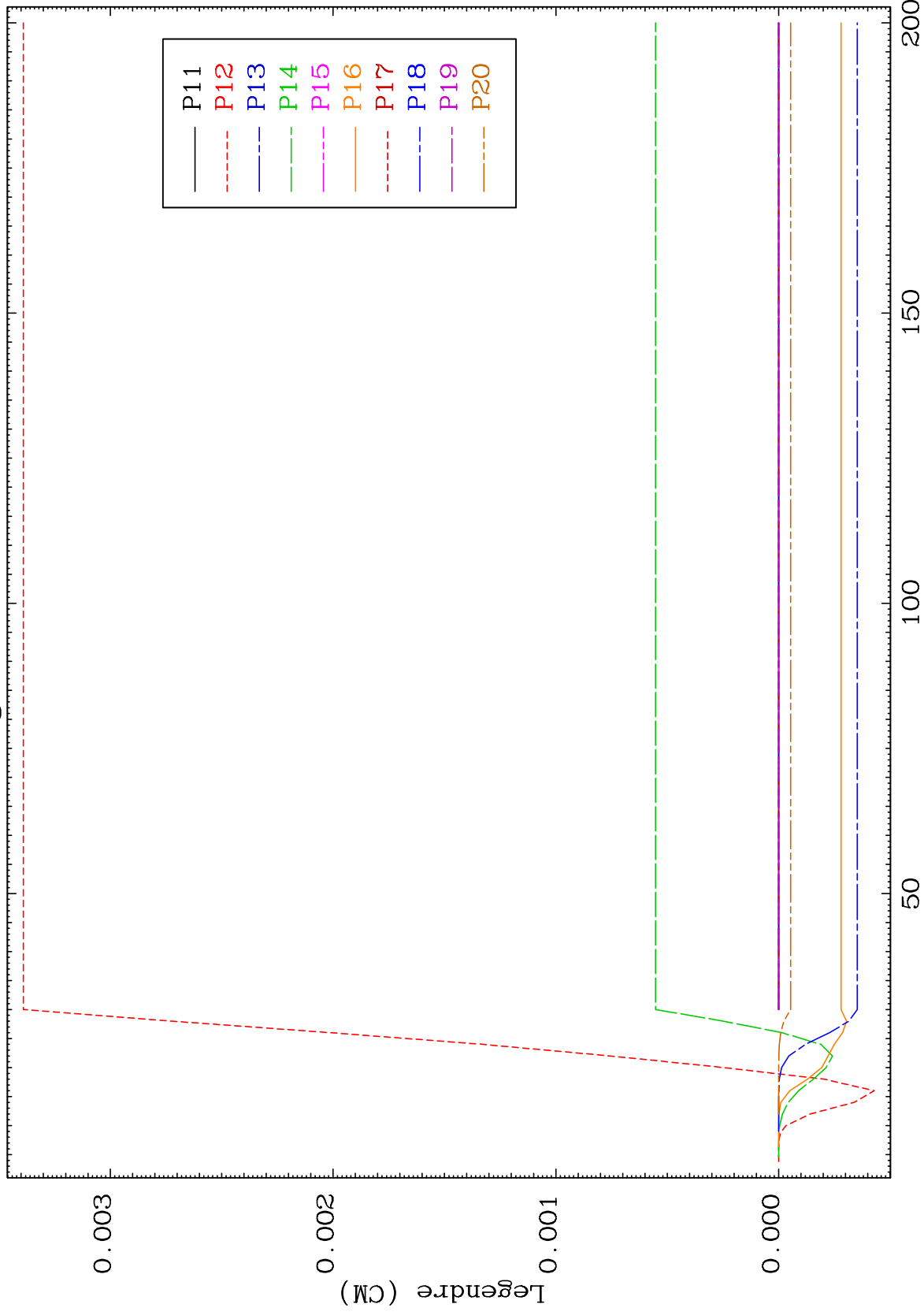
66-Dy-144



MAT 6589

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

66-Dy-144



36

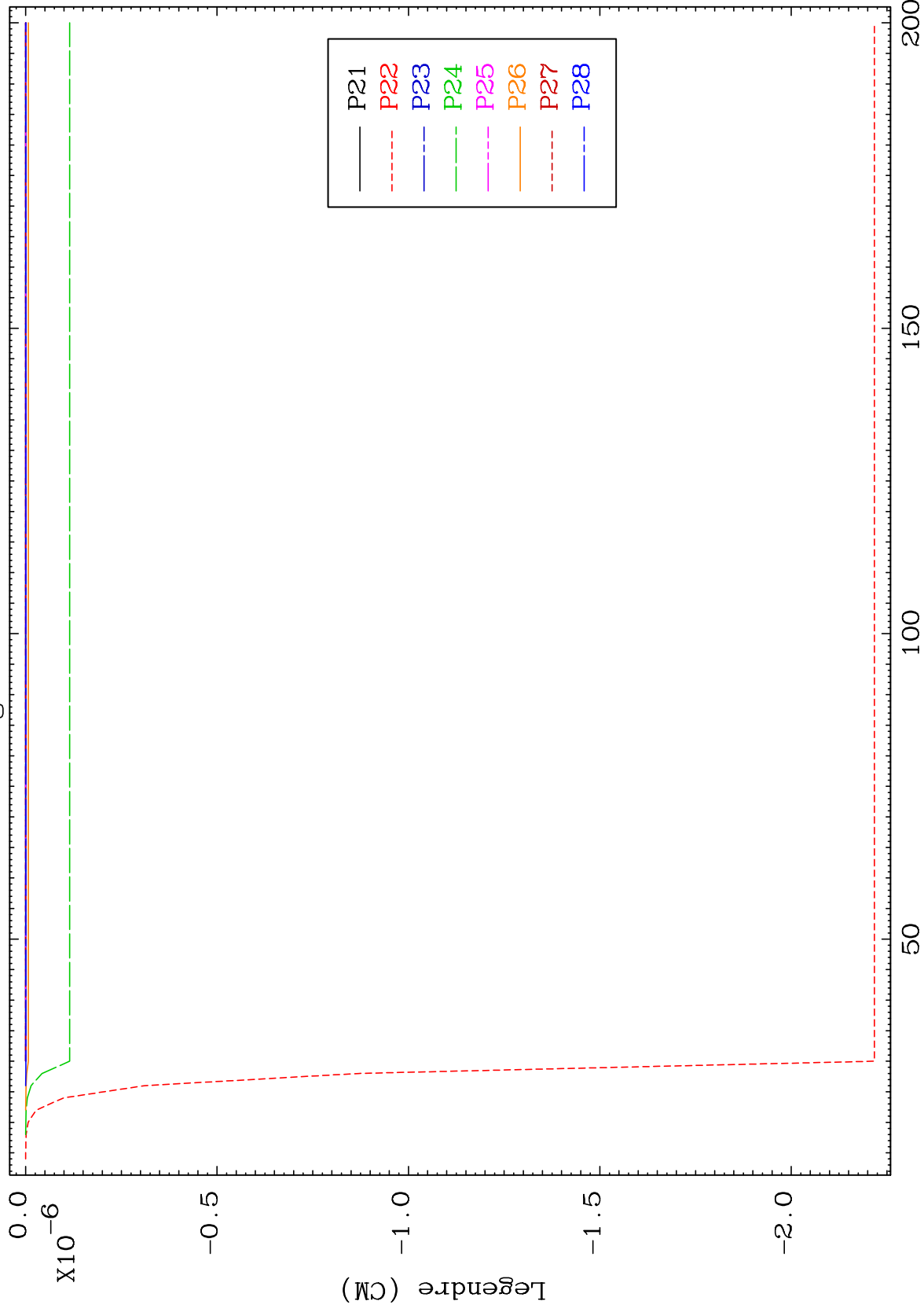
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

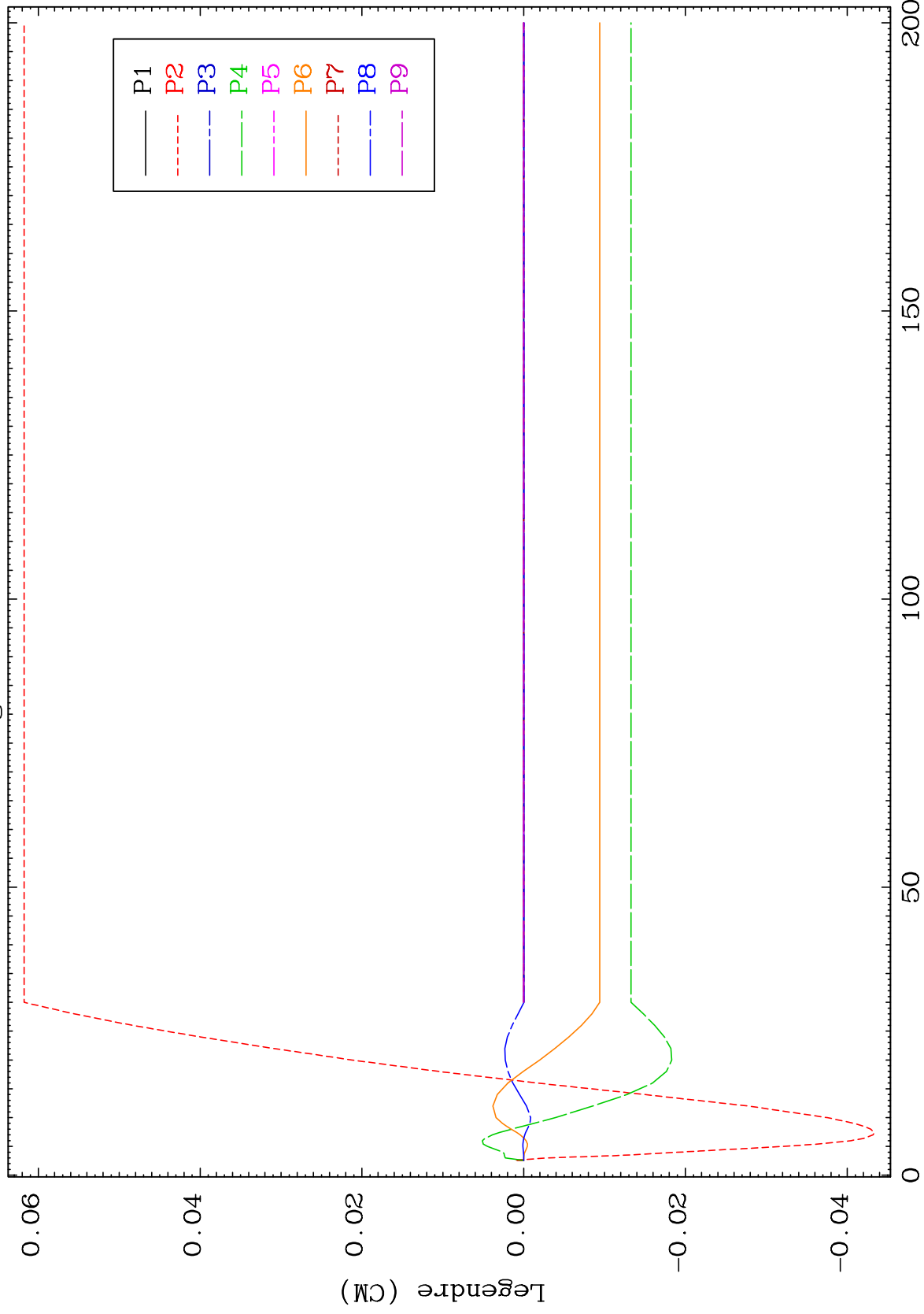
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MAT 6589

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

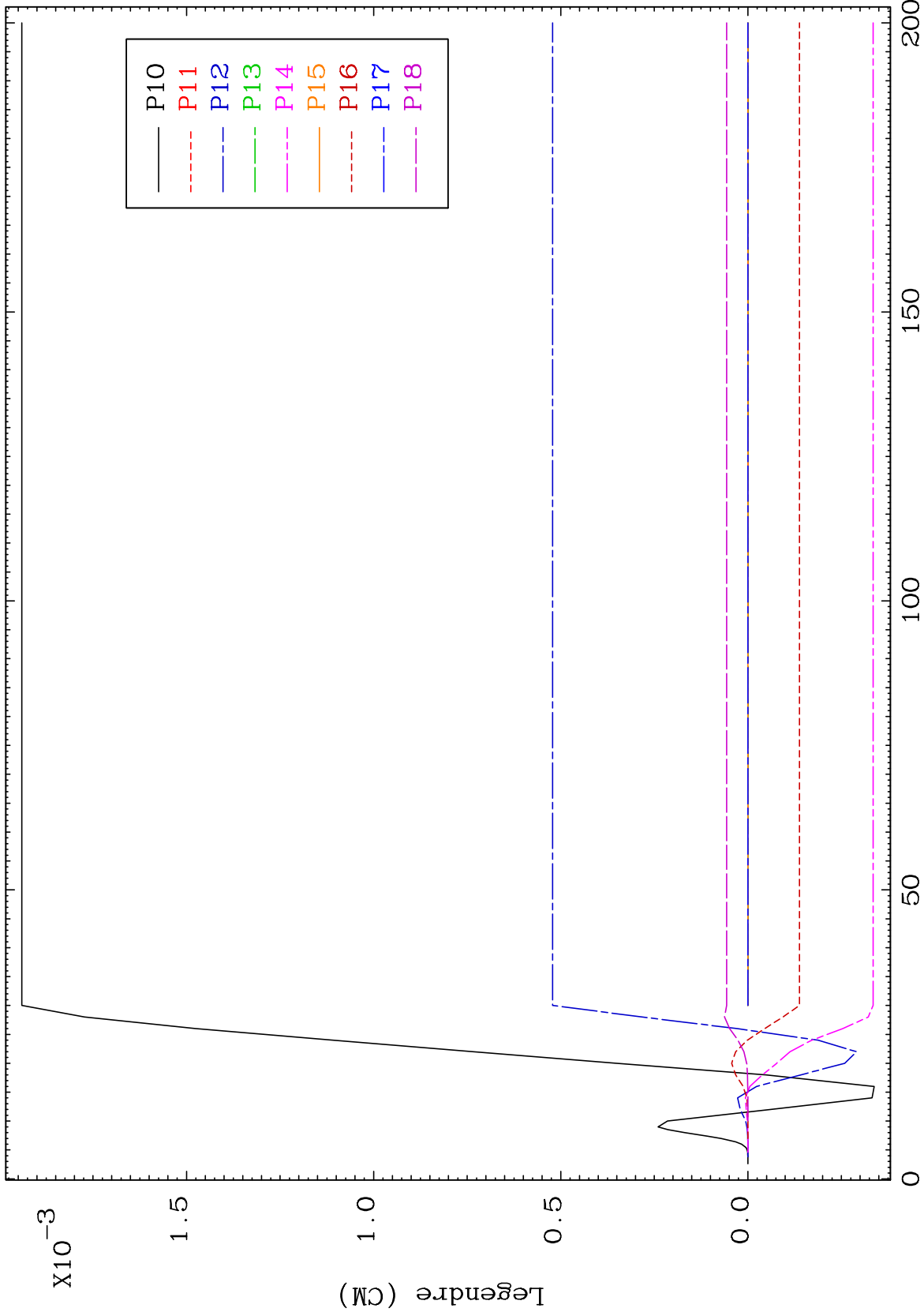
66-Dy-144



38

Incident Energy (MeV)

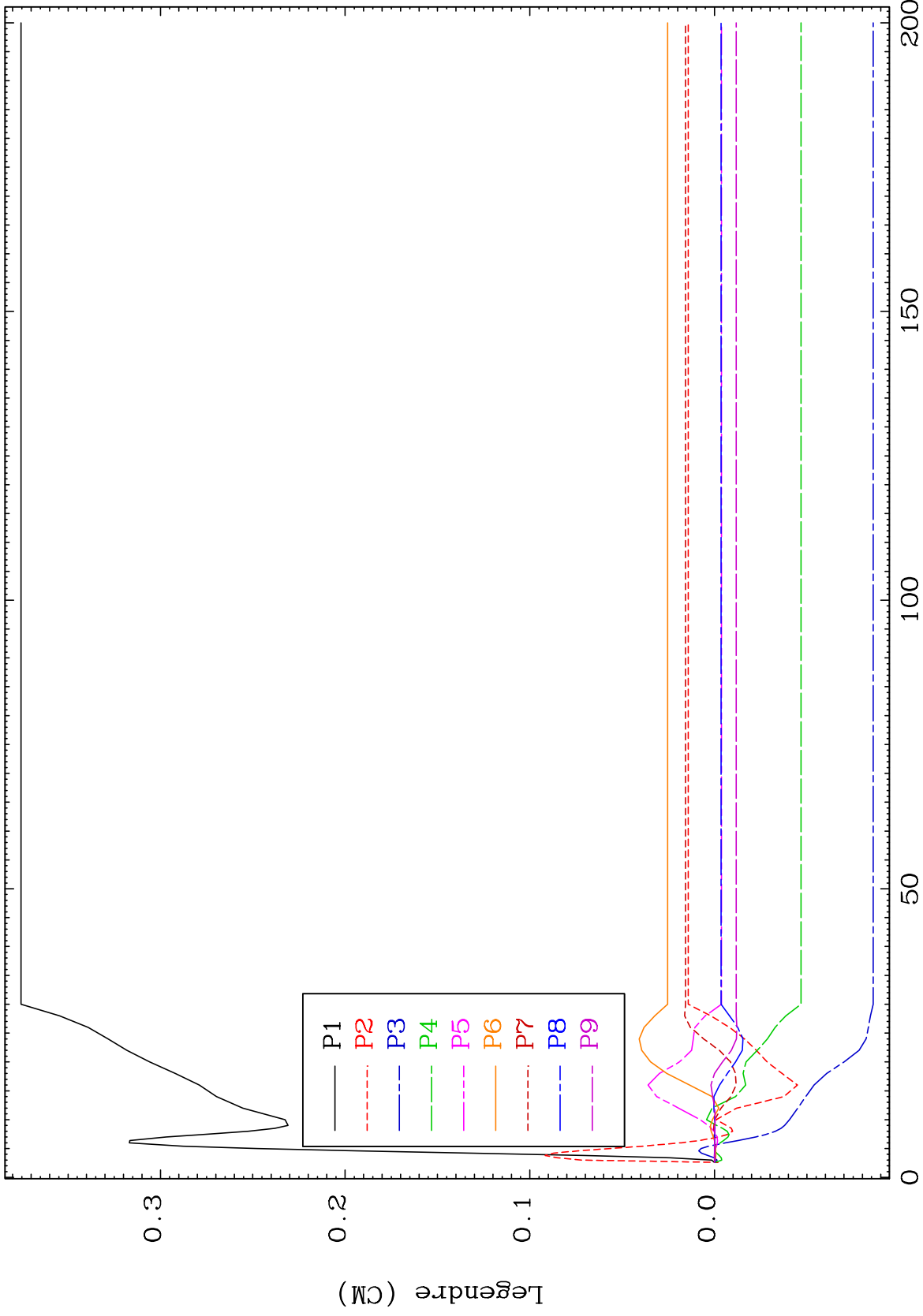
66-Dy-144



MAT 6589

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

66-Dy-144



41

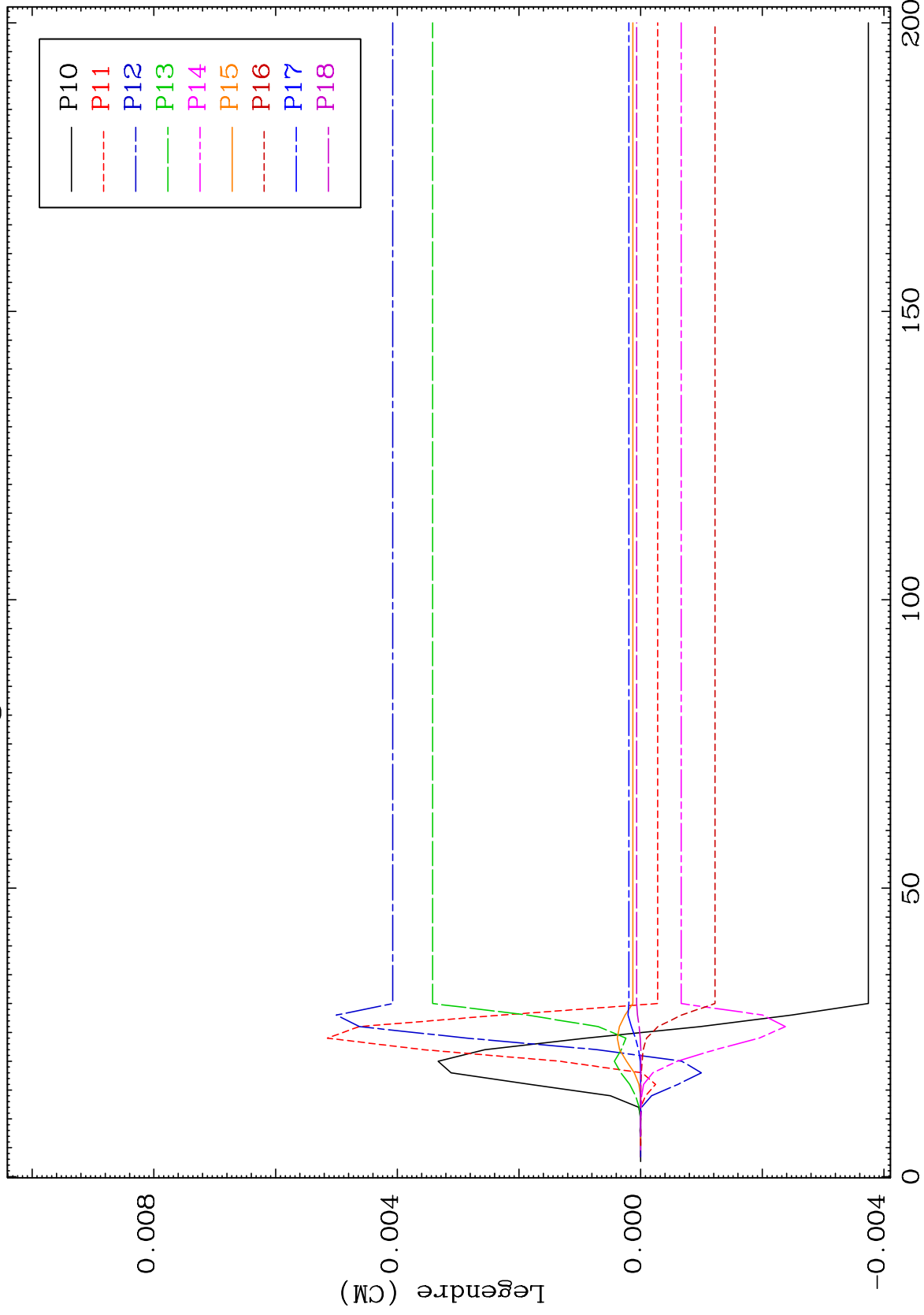
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



42

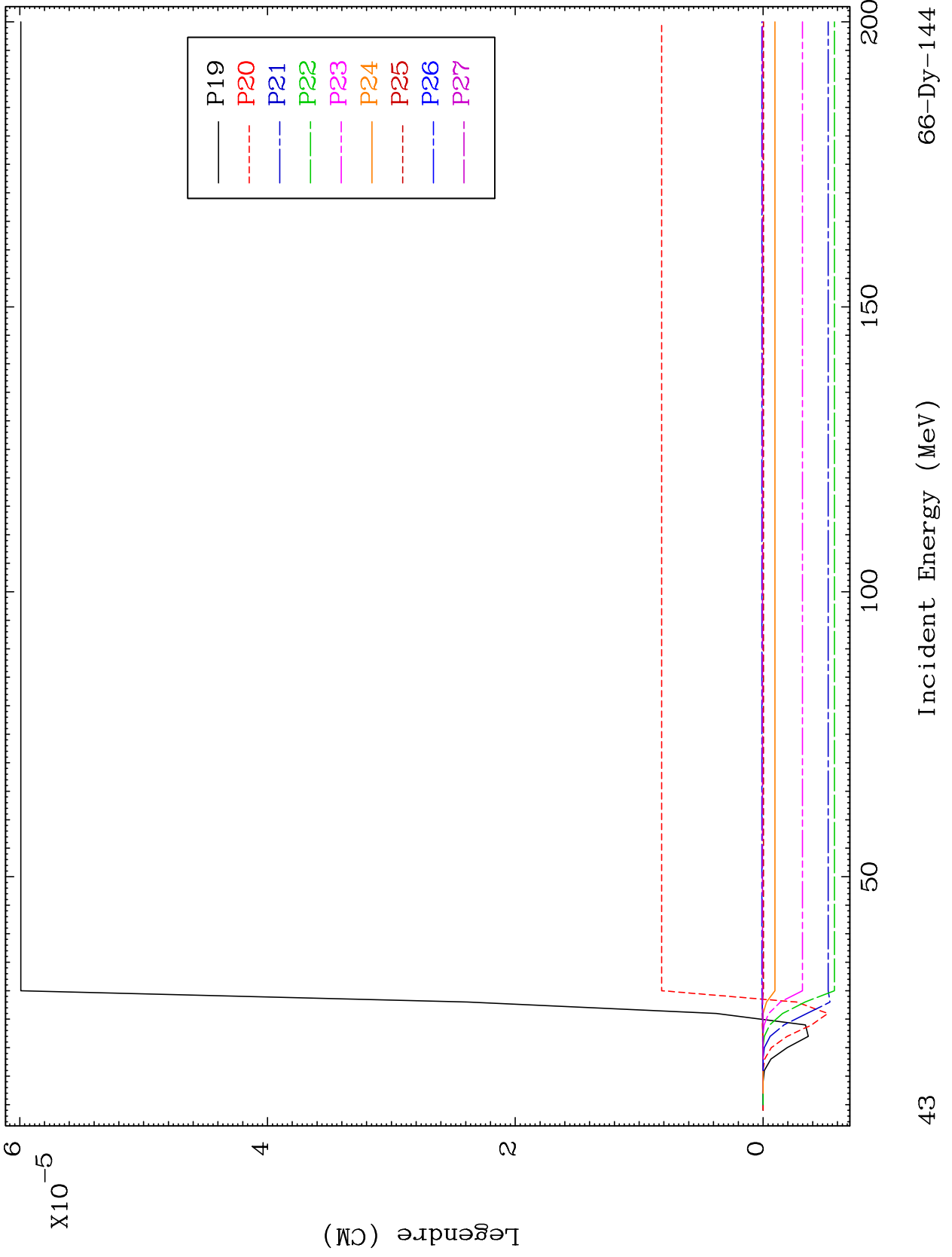
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

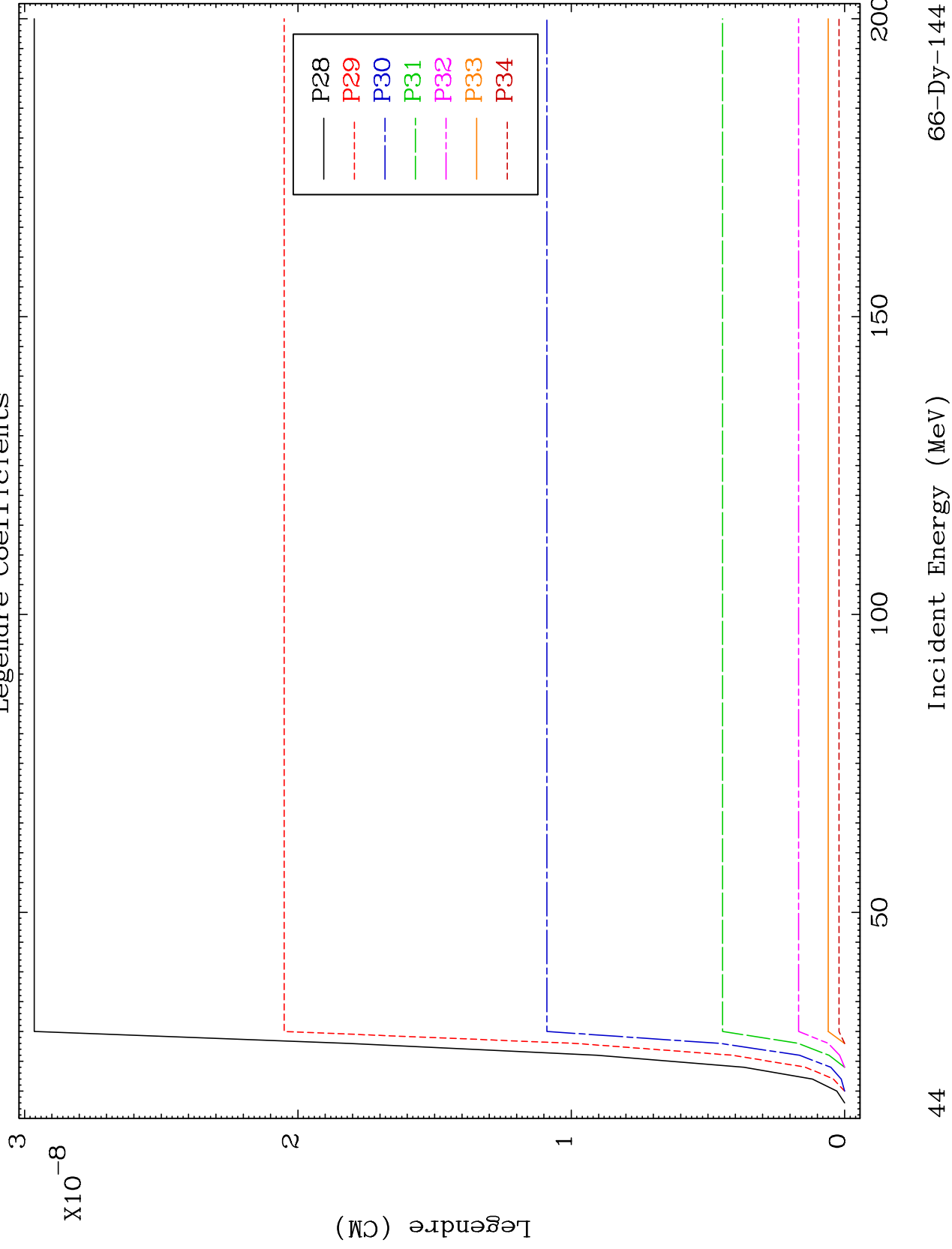
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MAT 6589

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

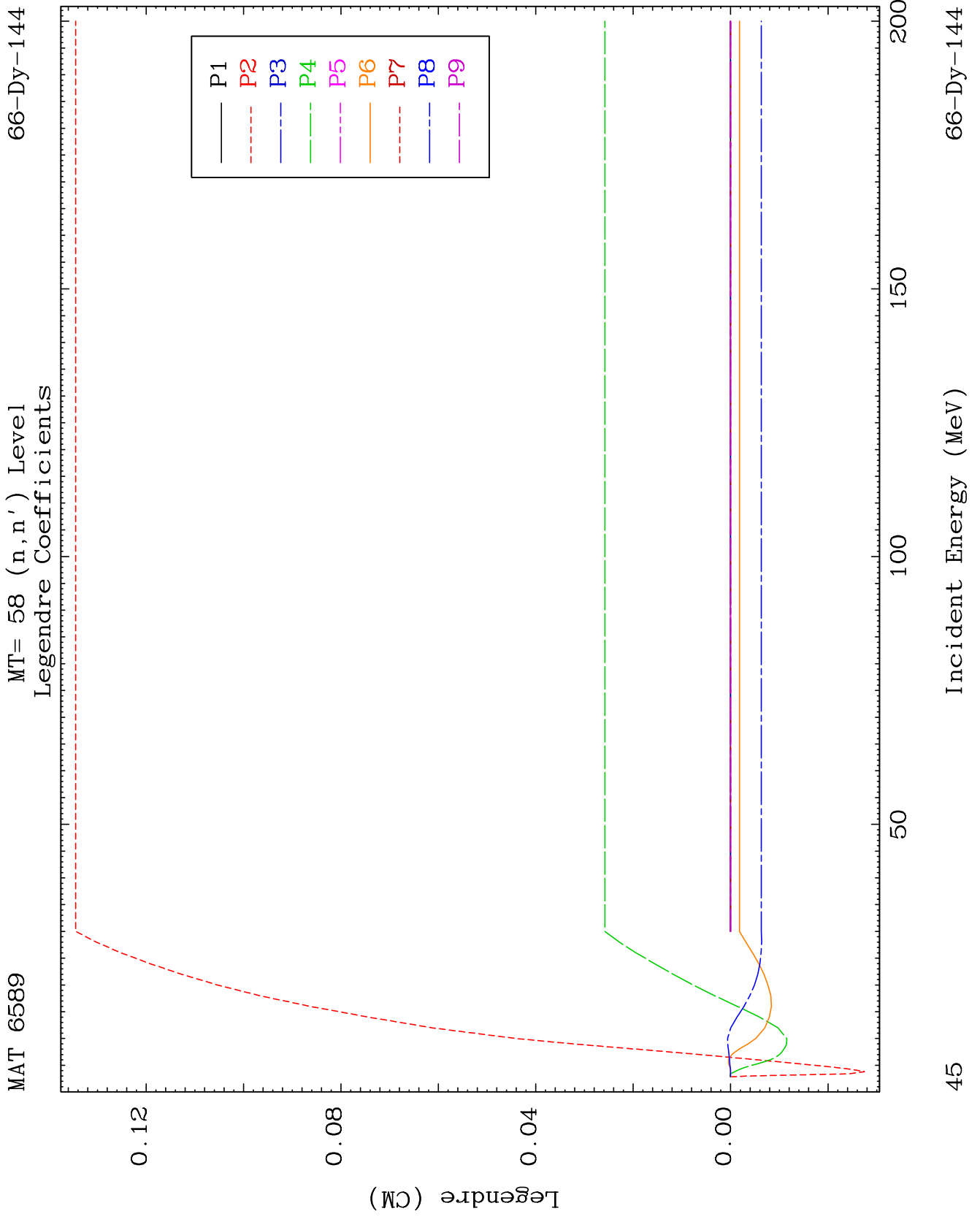
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44

Incident Energy (MeV)

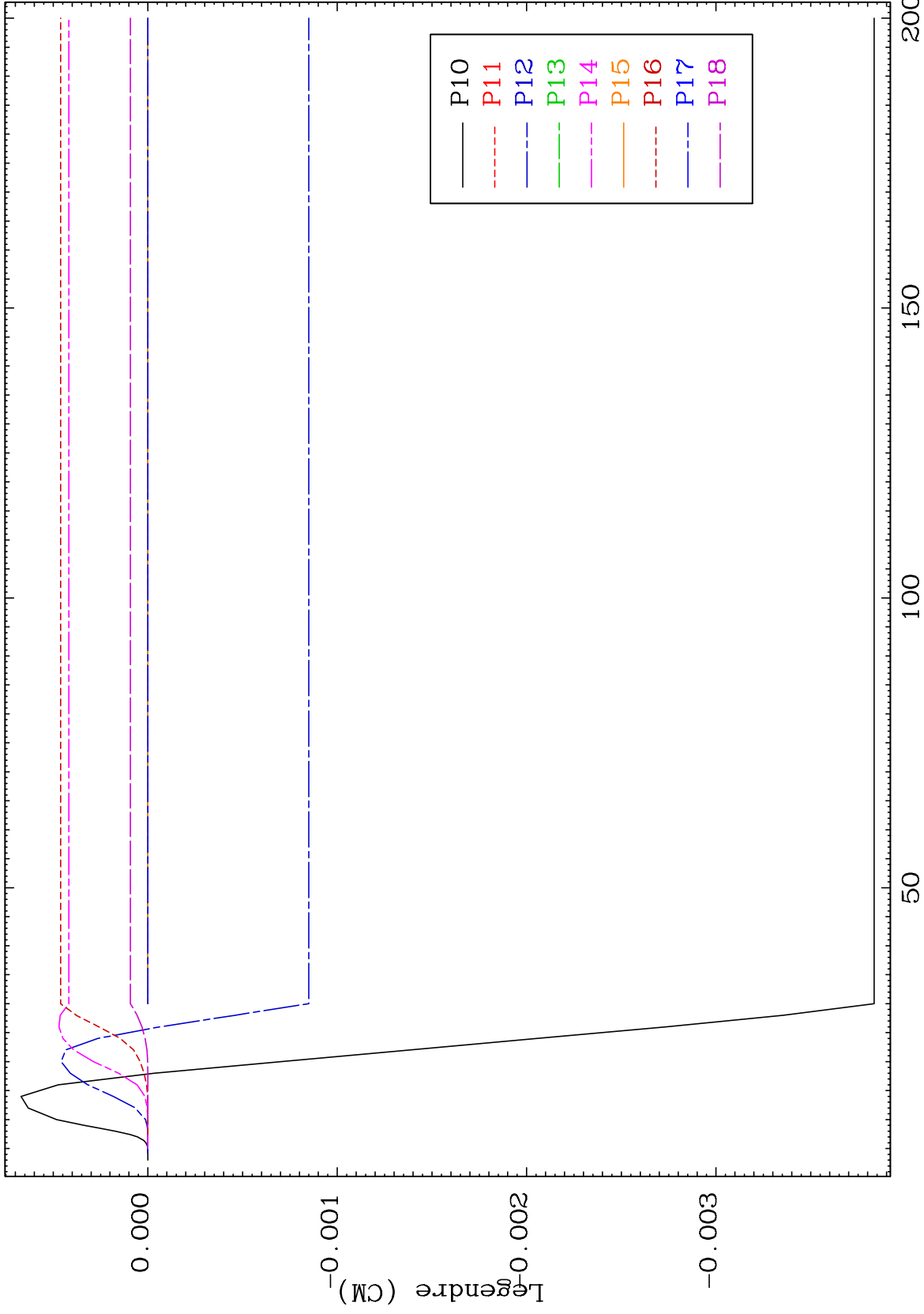
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MAT 6589

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

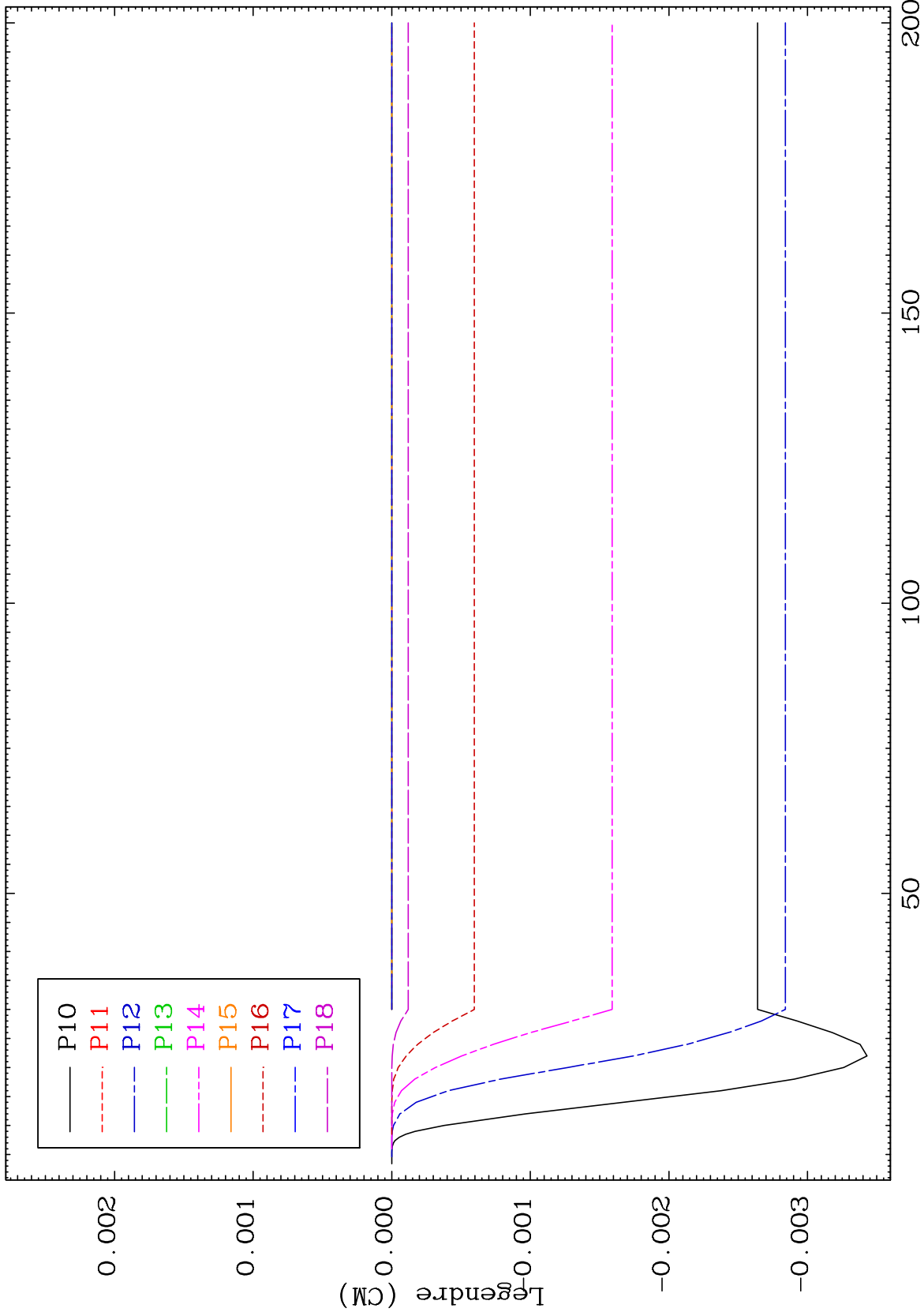
66-Dy-144



46

Incident Energy (MeV)

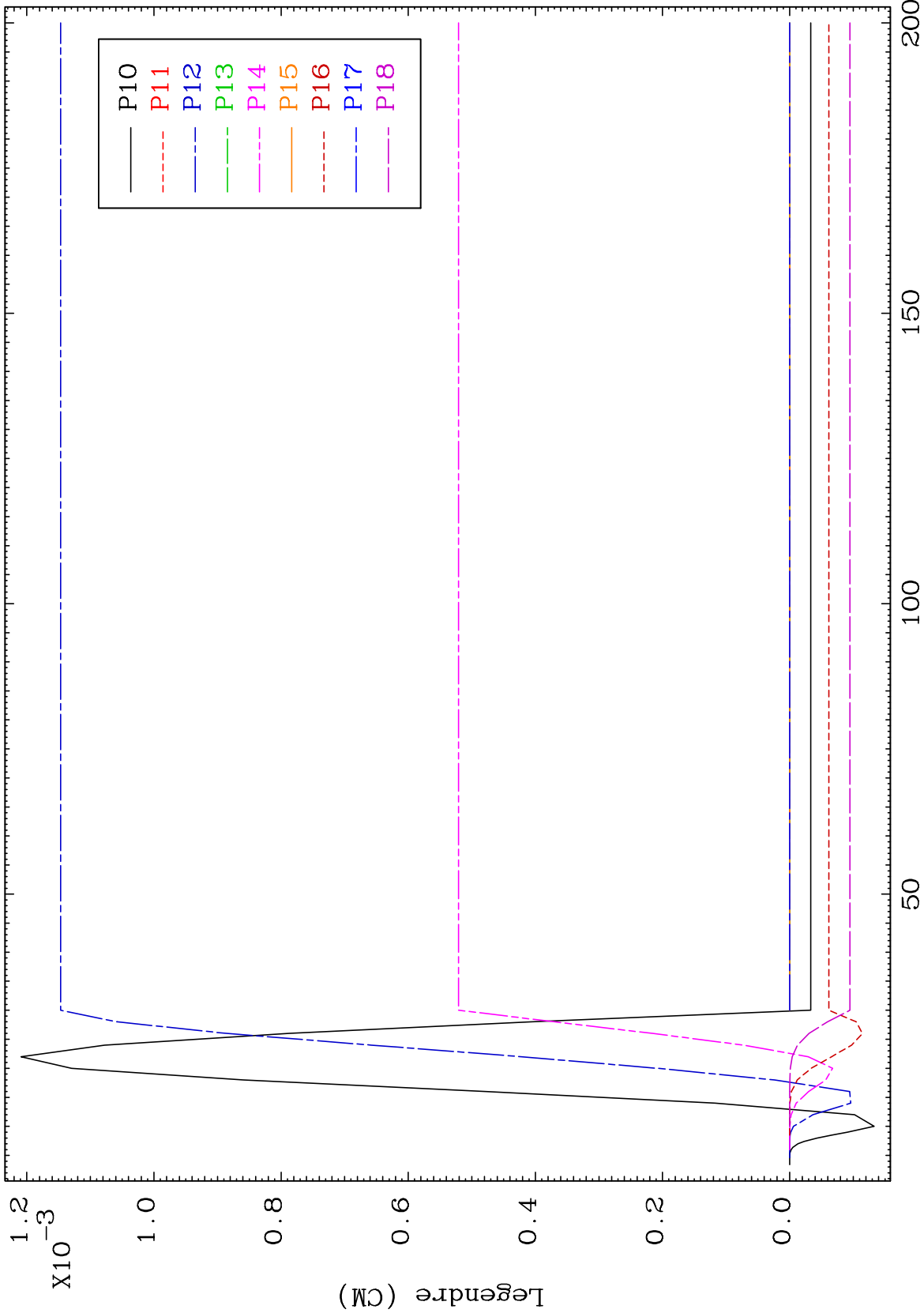
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MAT 6589

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

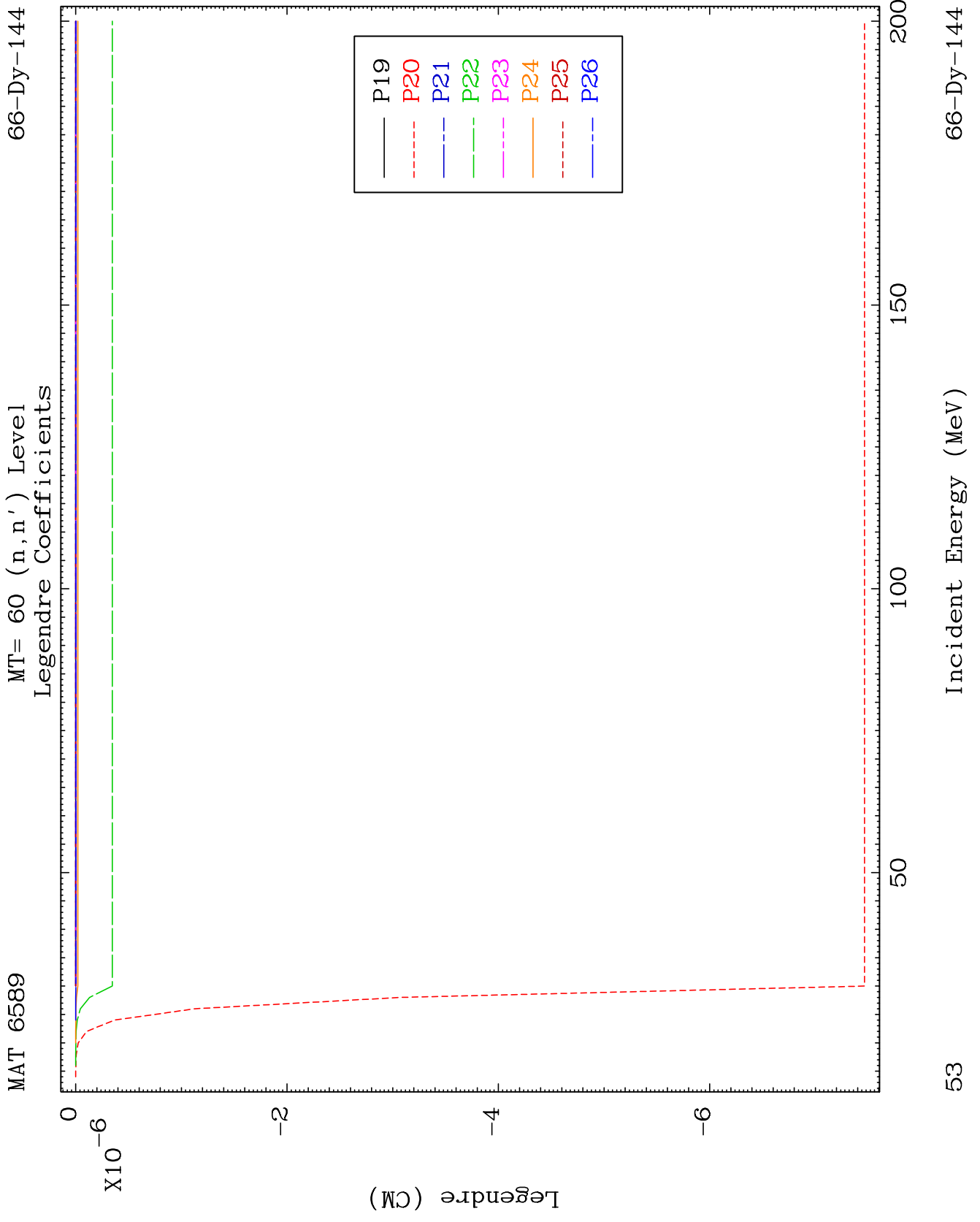
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52

Incident Energy (MeV)

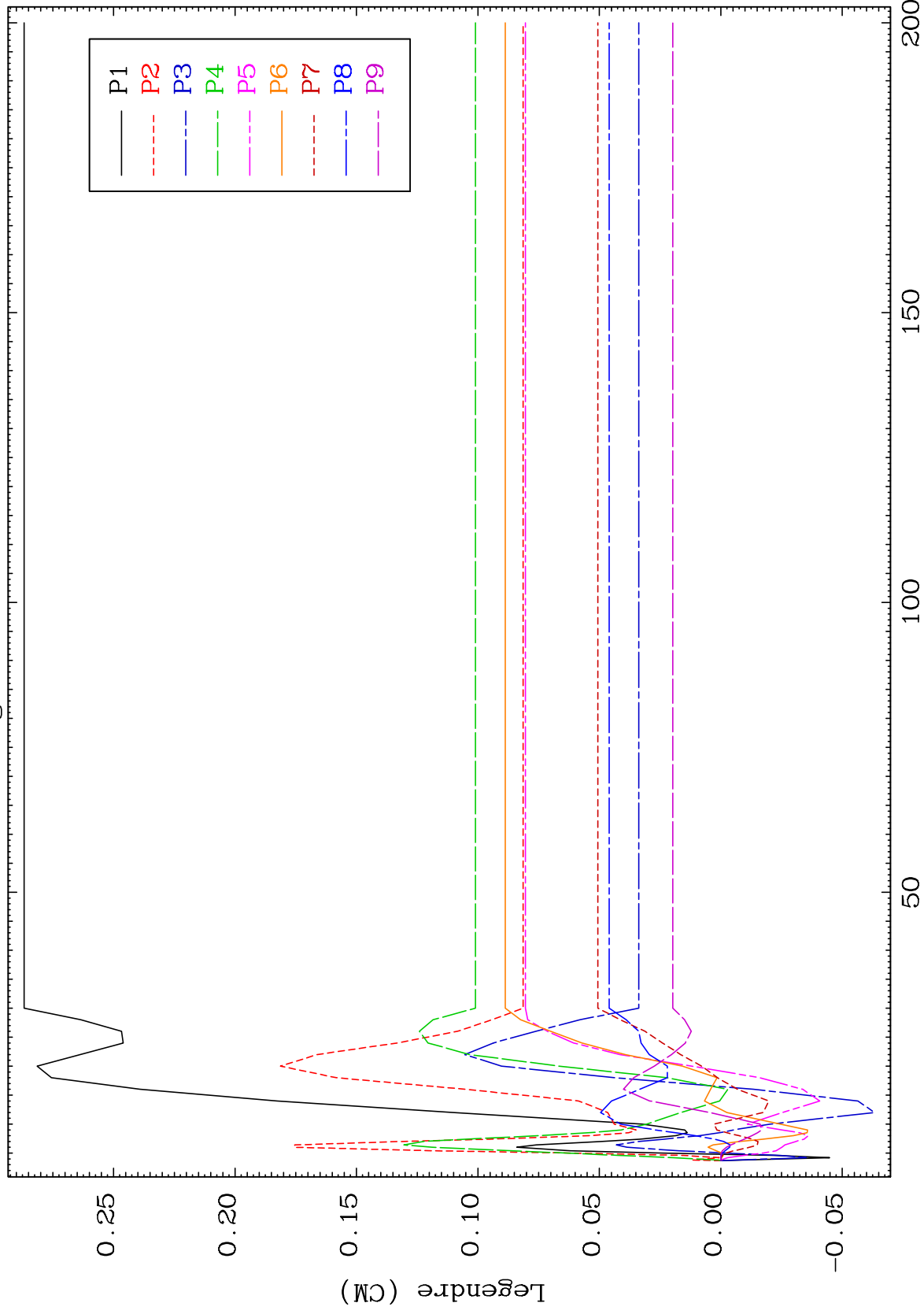
66-Dy-144



MAT 6589

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

66-Dy-144



54

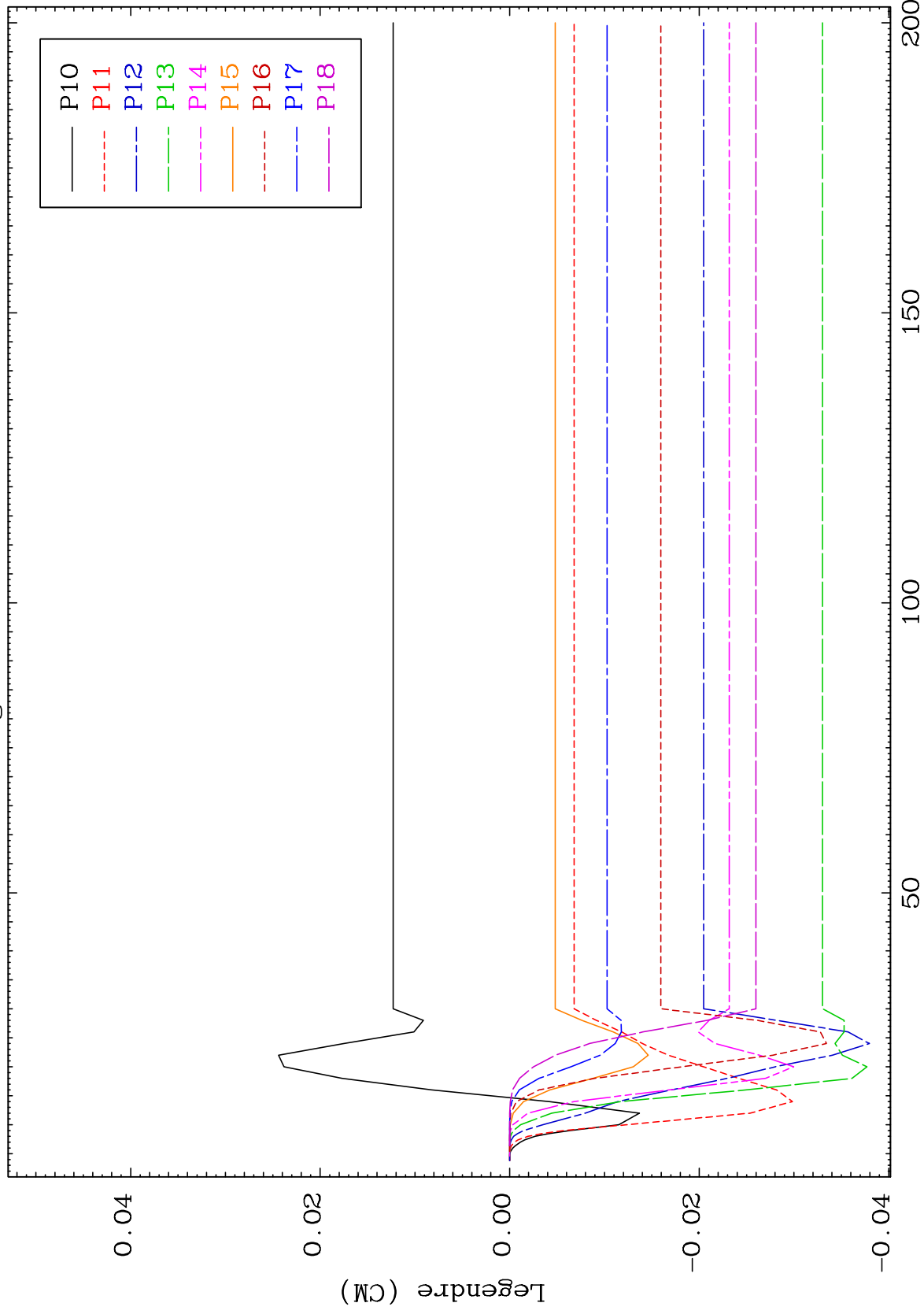
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

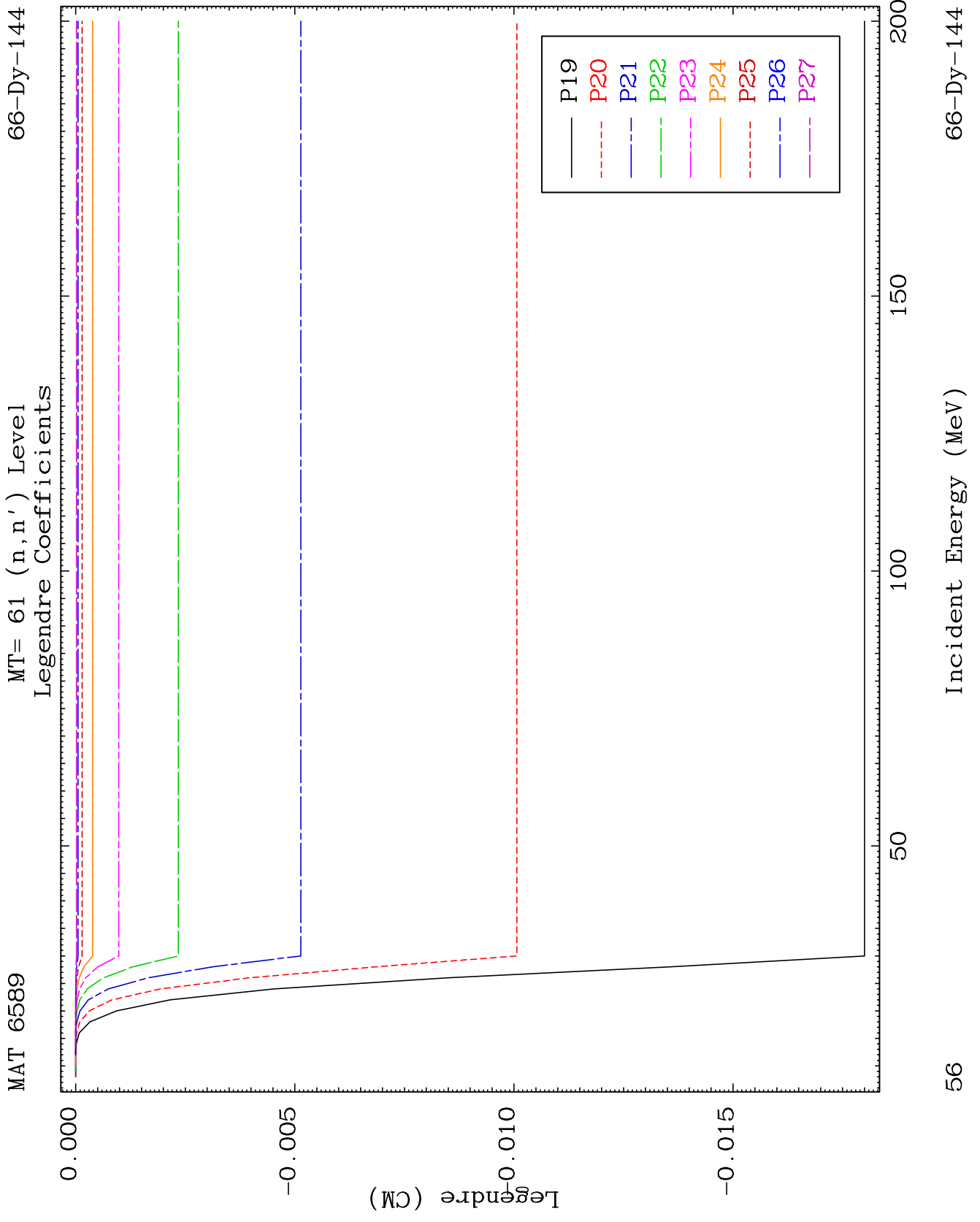
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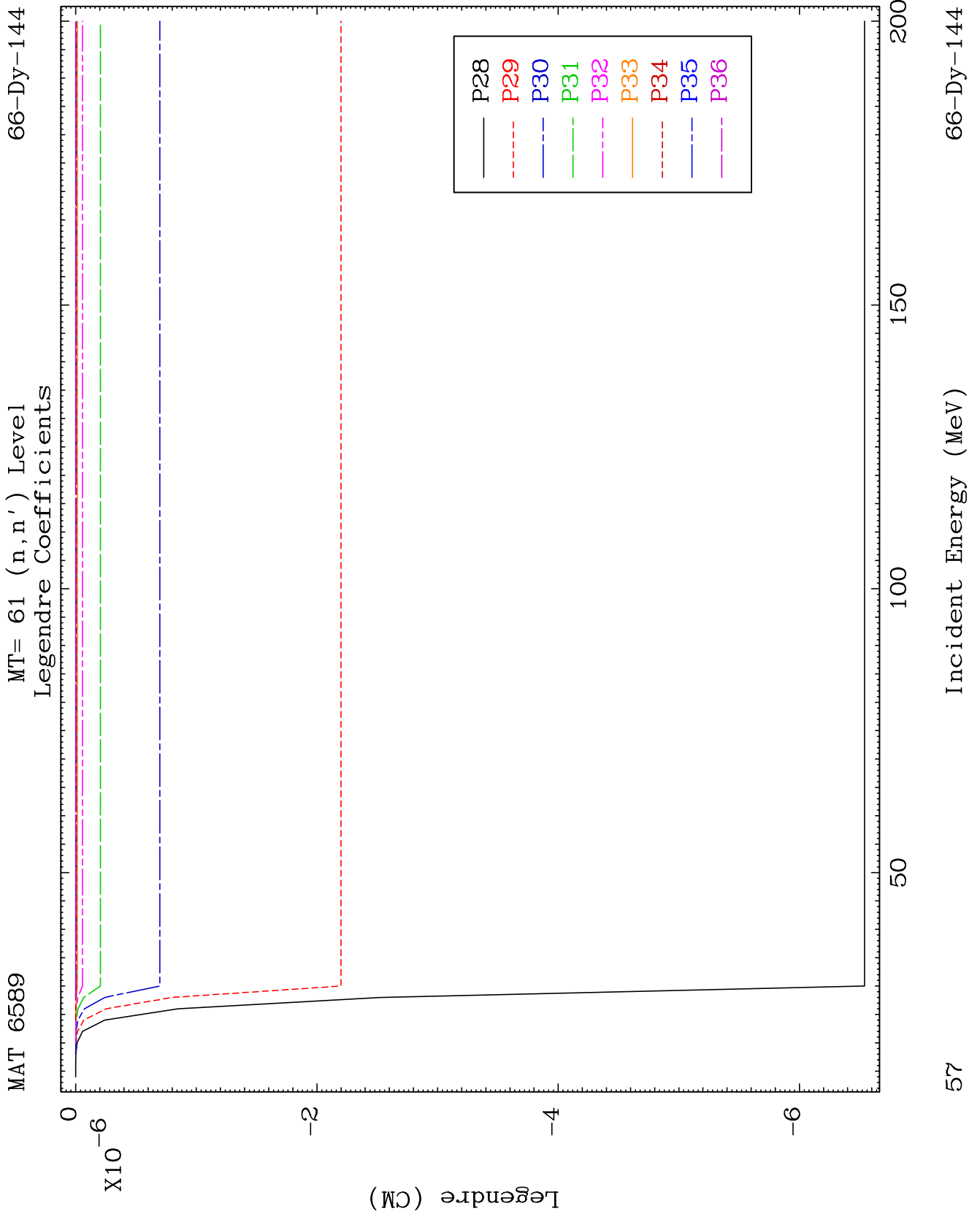


55

Incident Energy (MeV)

66-Dy-144

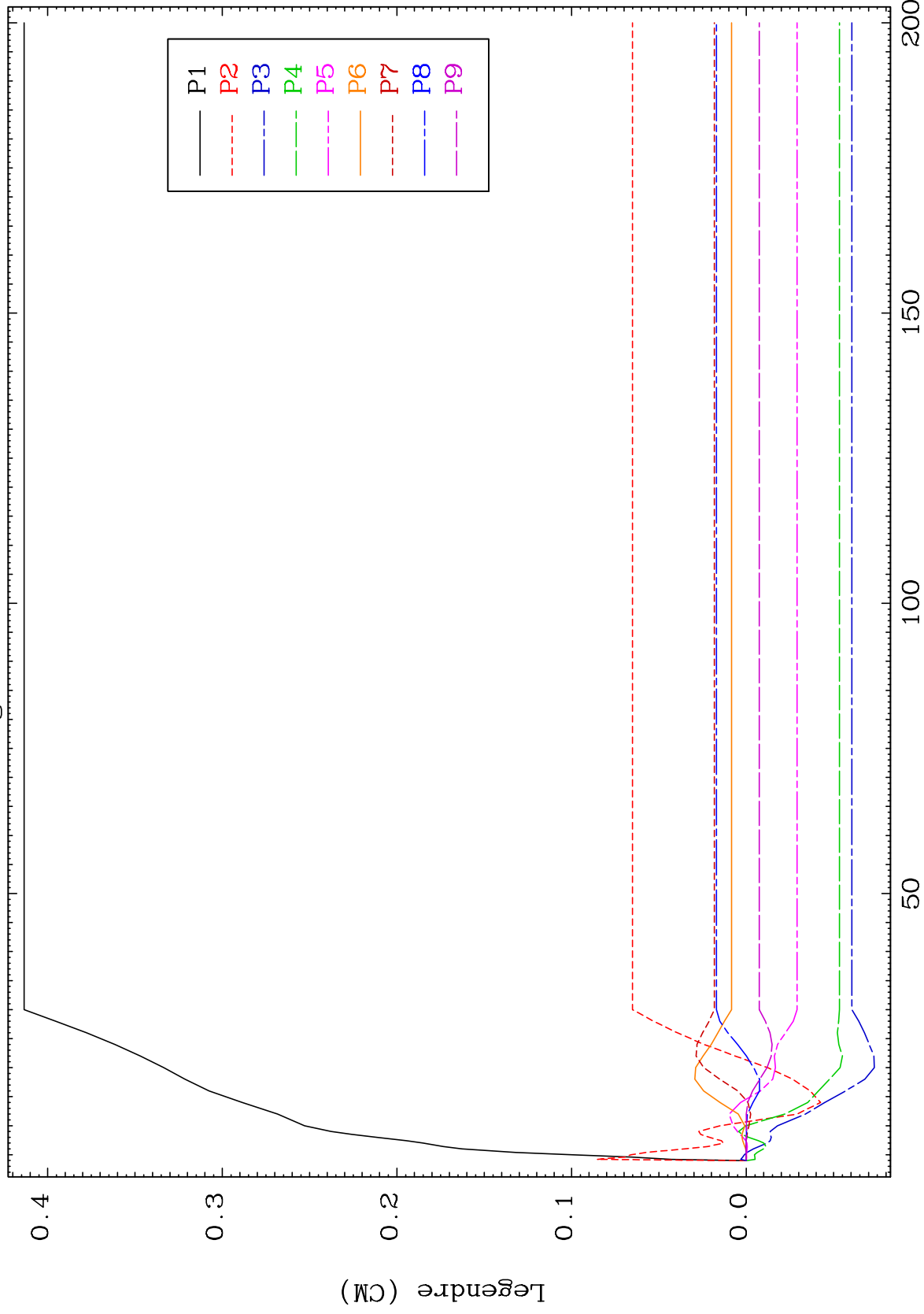




MAT 6589

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

66-Dy-144



58

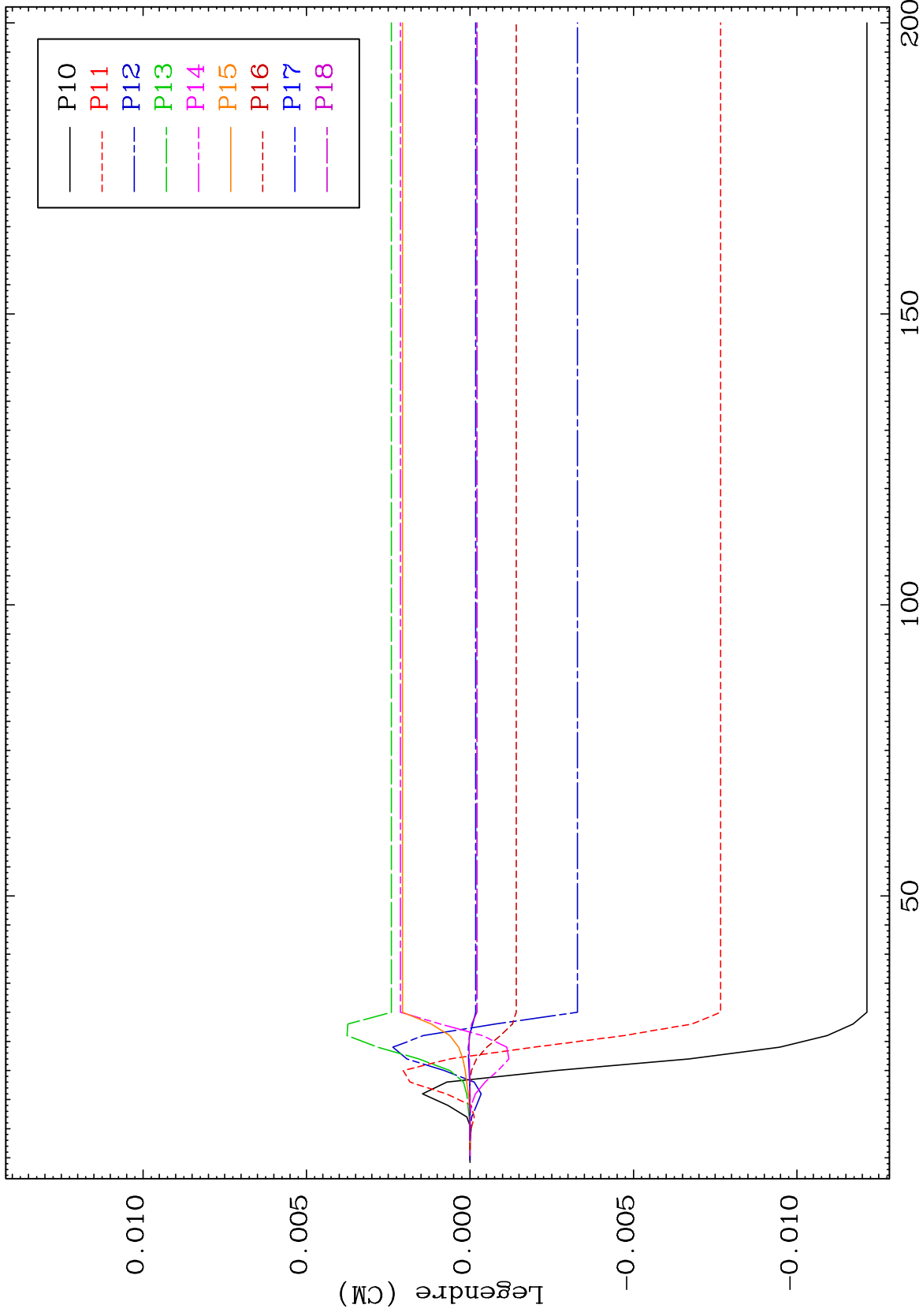
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



59

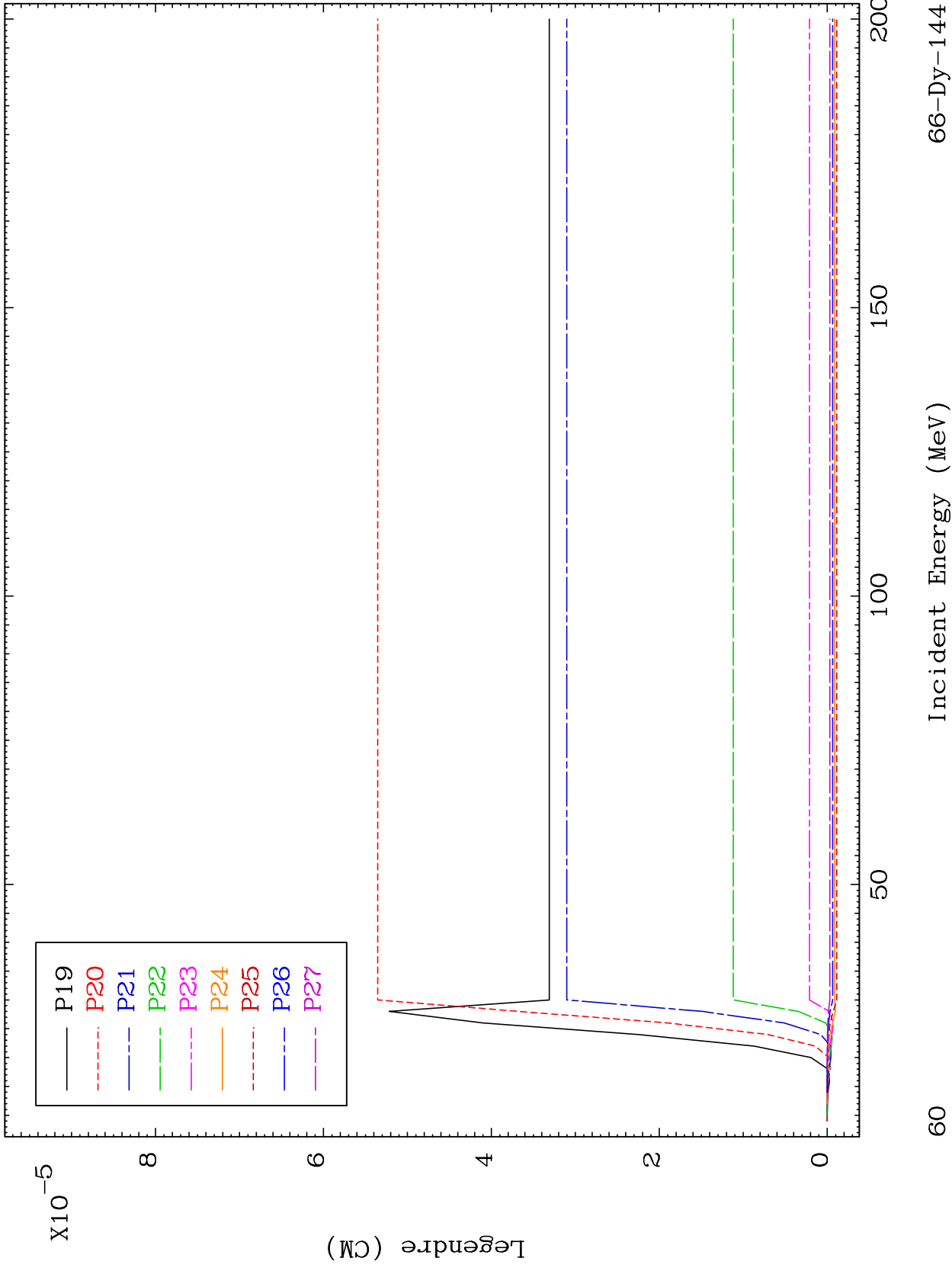
Incident Energy (MeV)

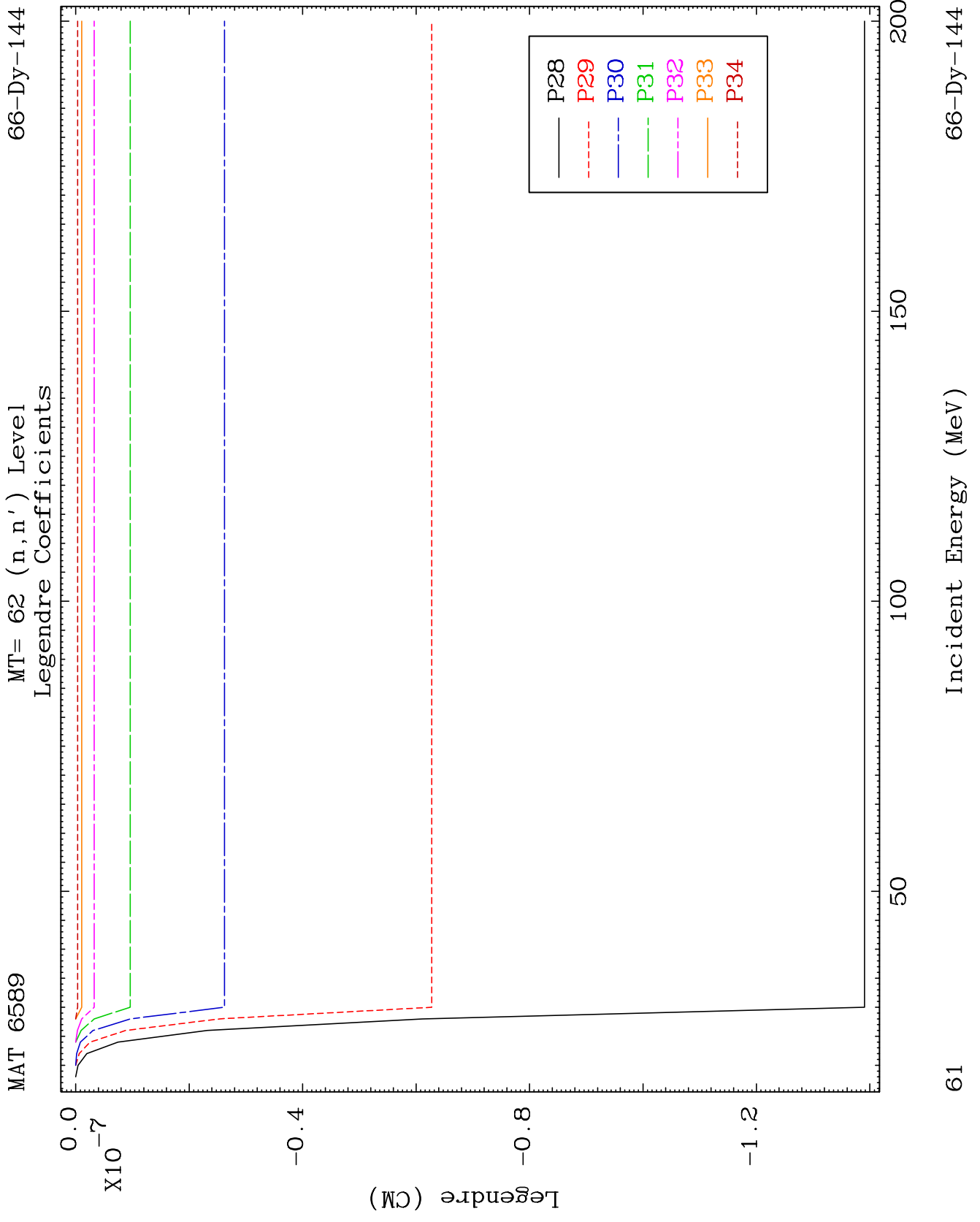
66-Dy-144

MAT 6589

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

66-Dy-144

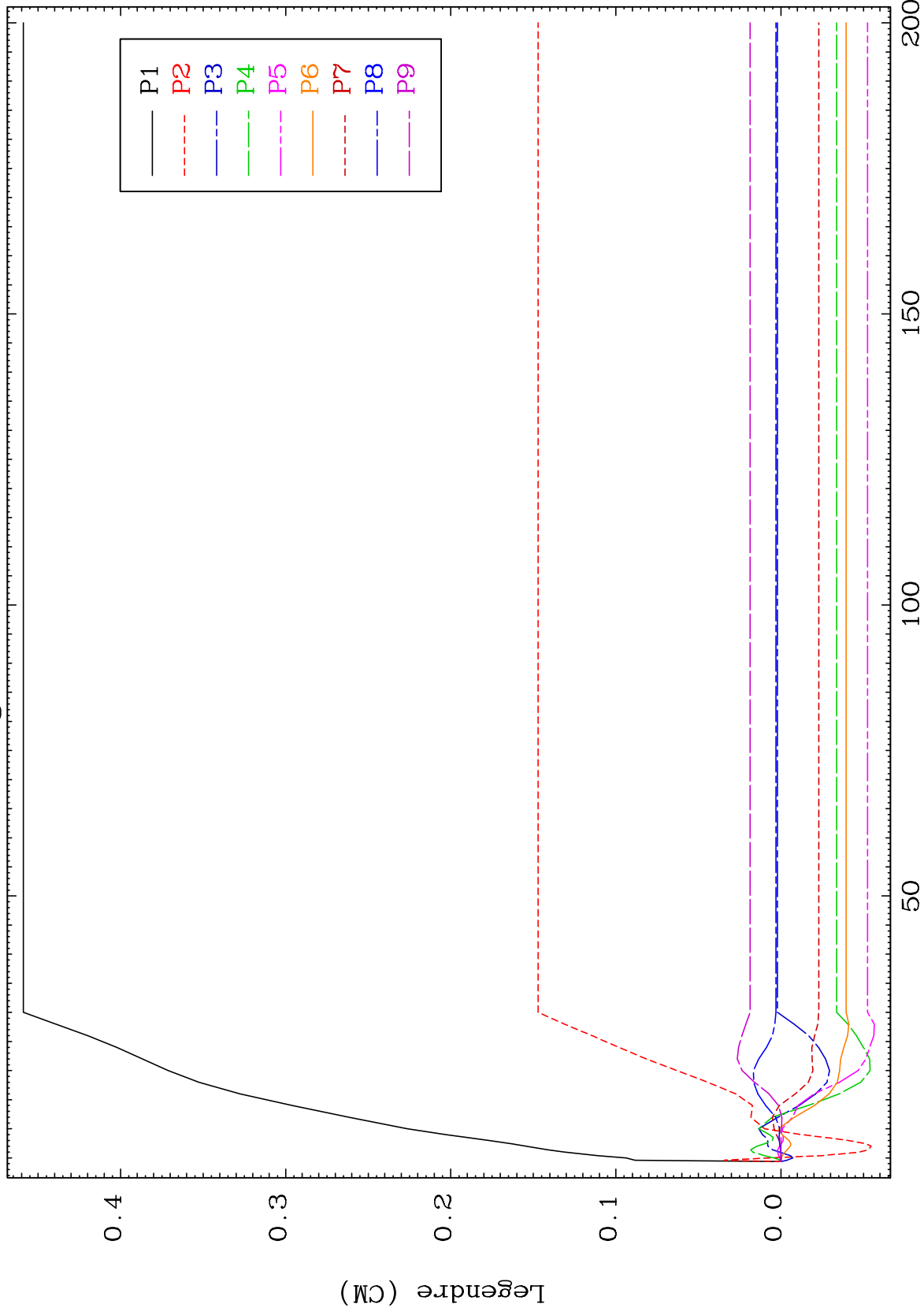




MAT 6589

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

66-Dy-144



62

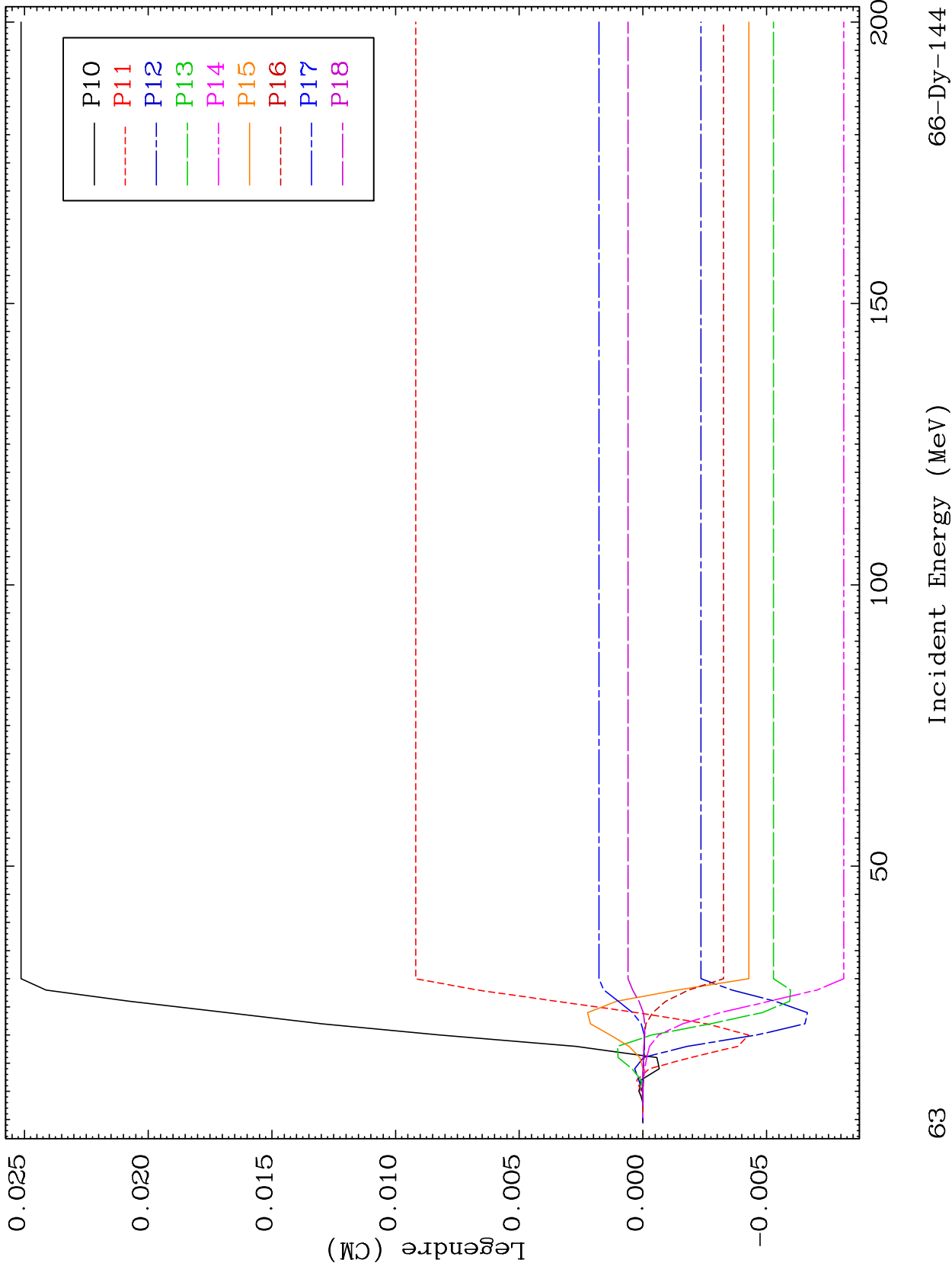
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



63

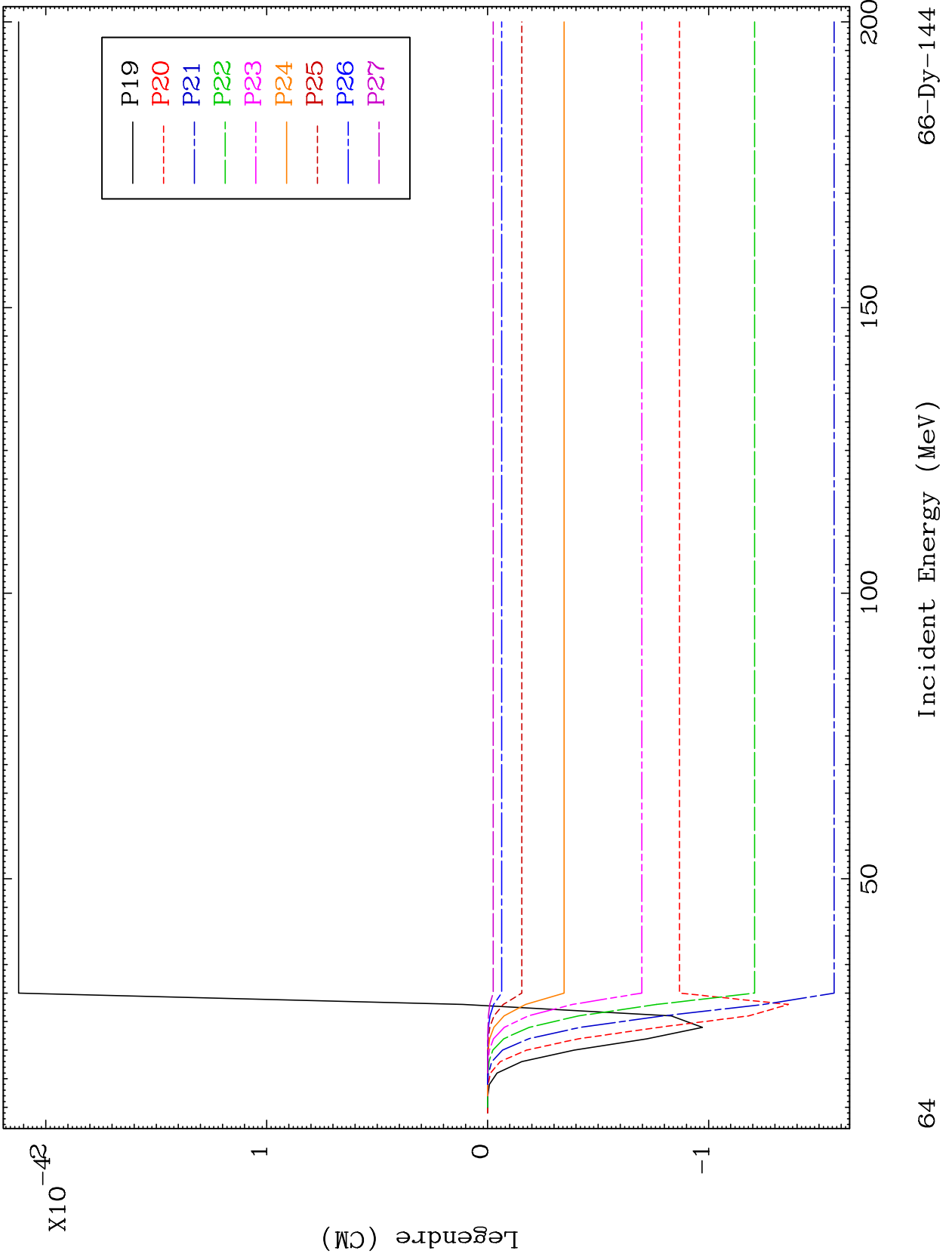
Incident Energy (MeV)

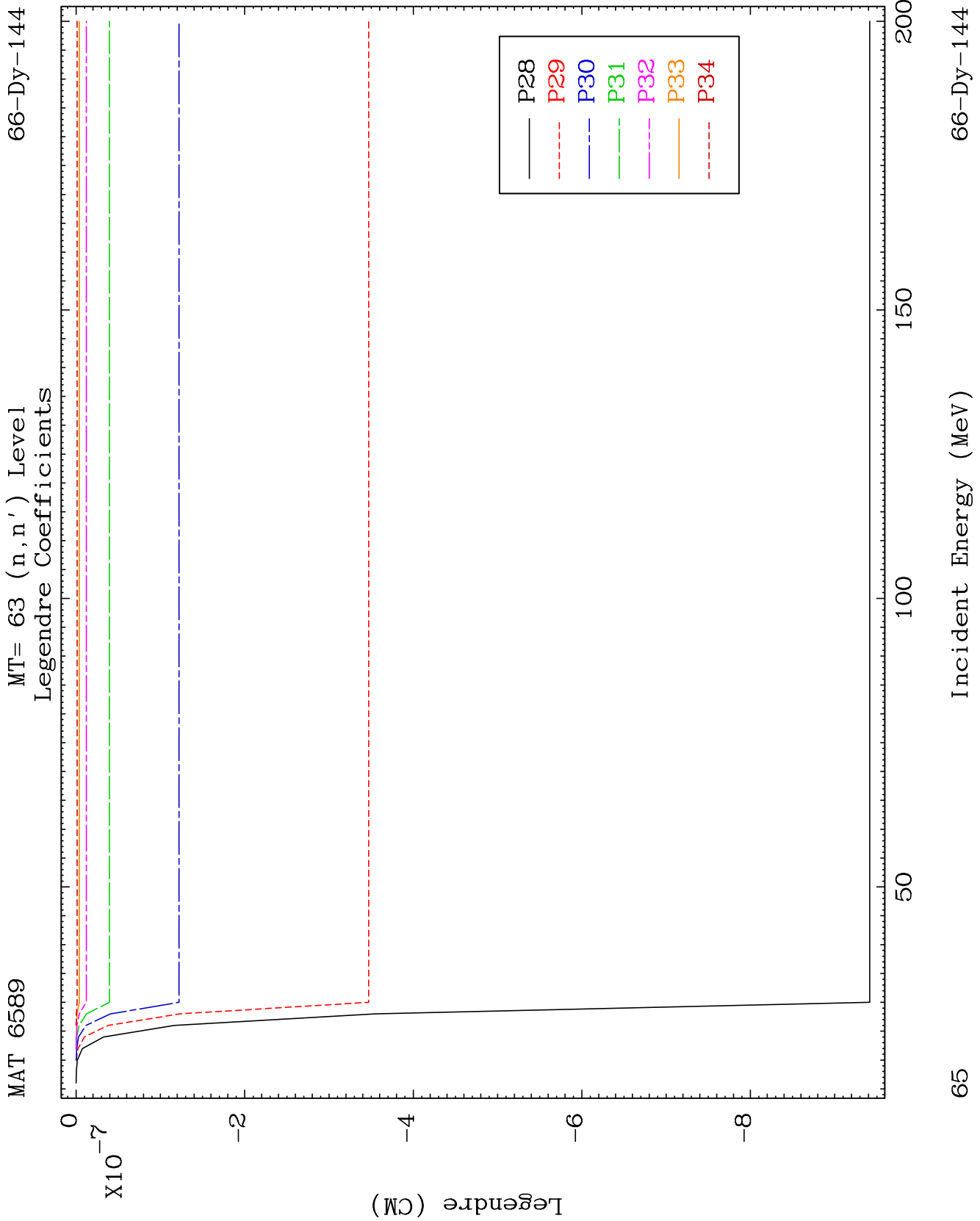
66-Dy-144

MAT 6589

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

66-Dy-144

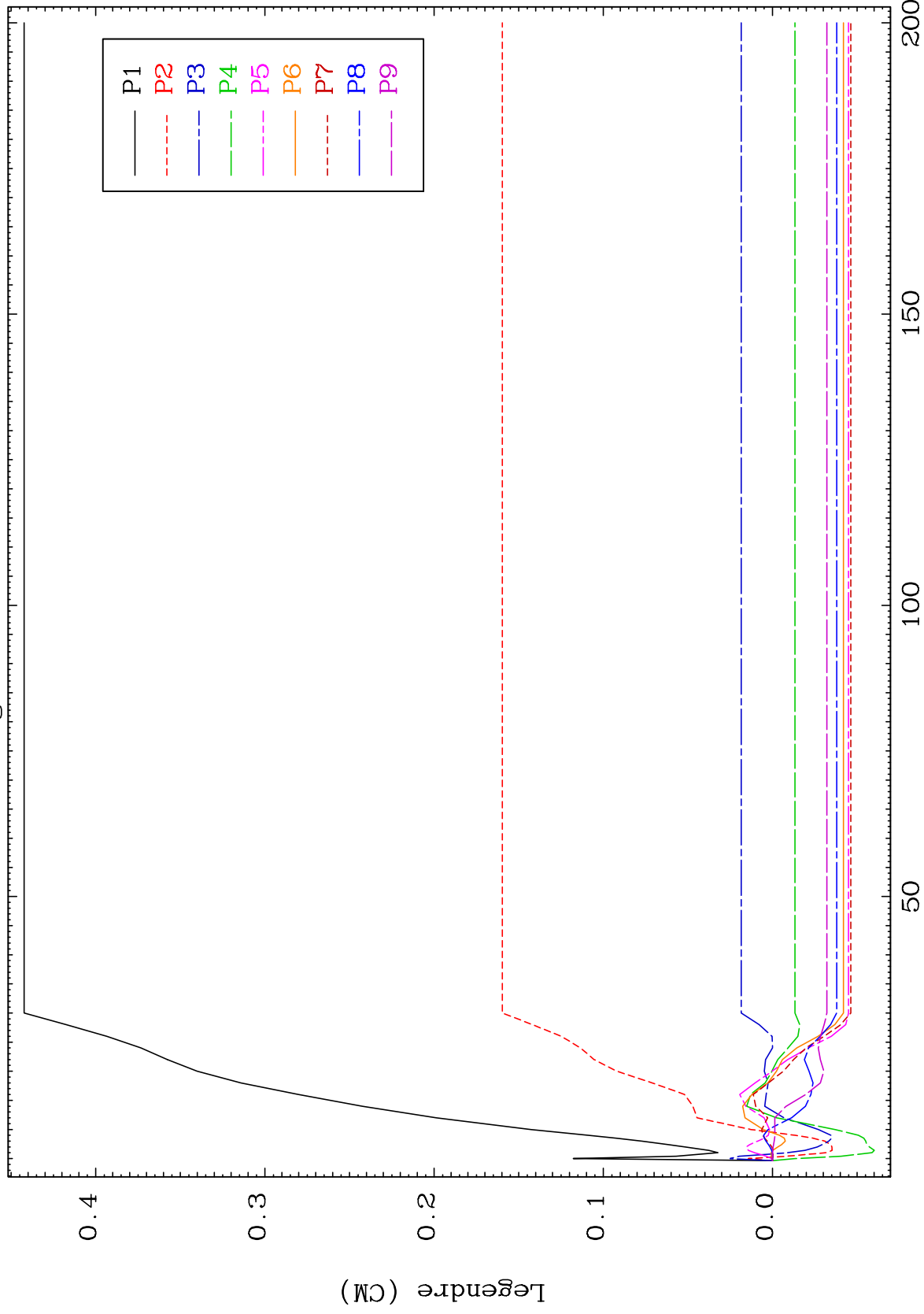




MAT 6589

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

66-Dy-144



66

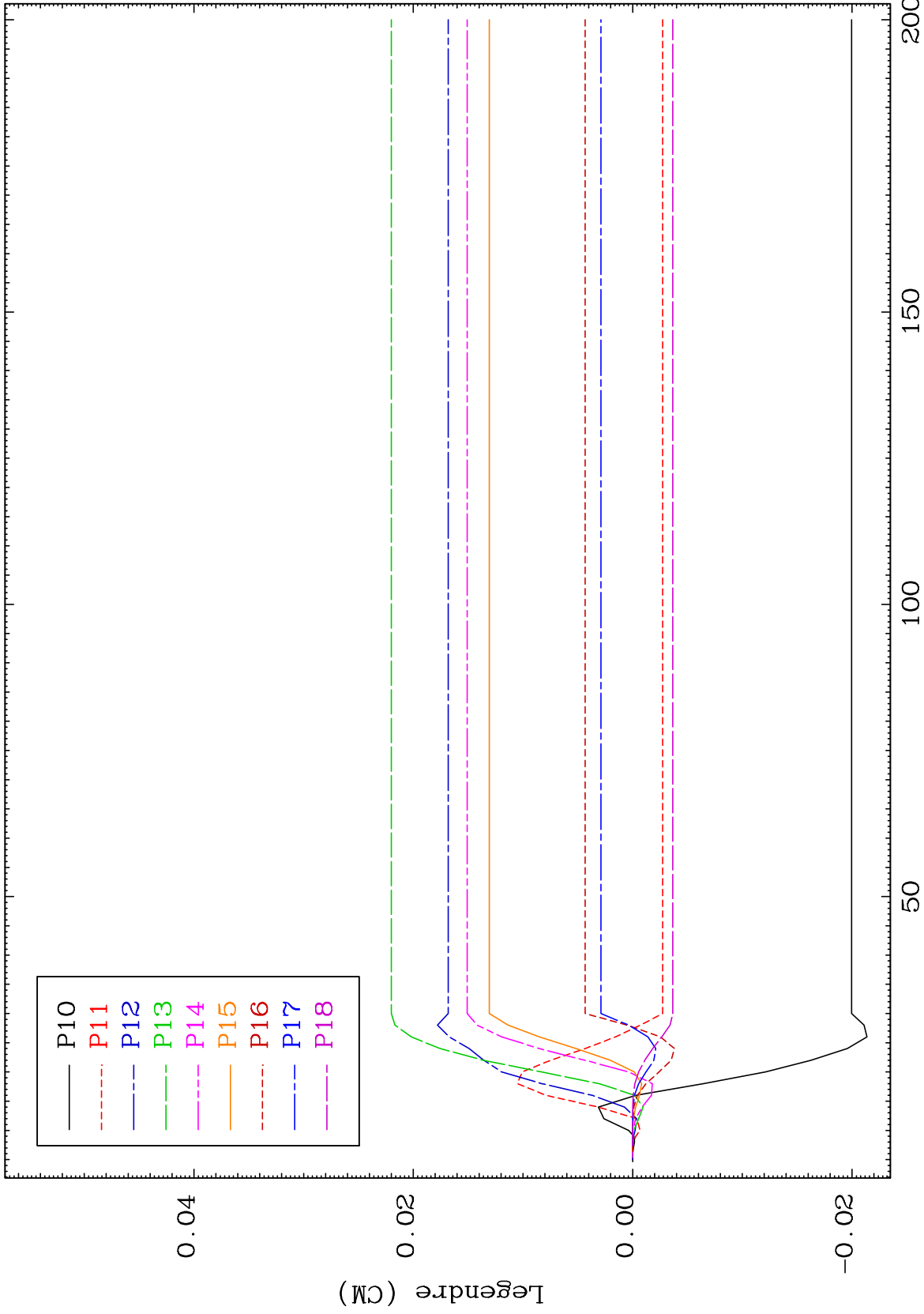
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



67

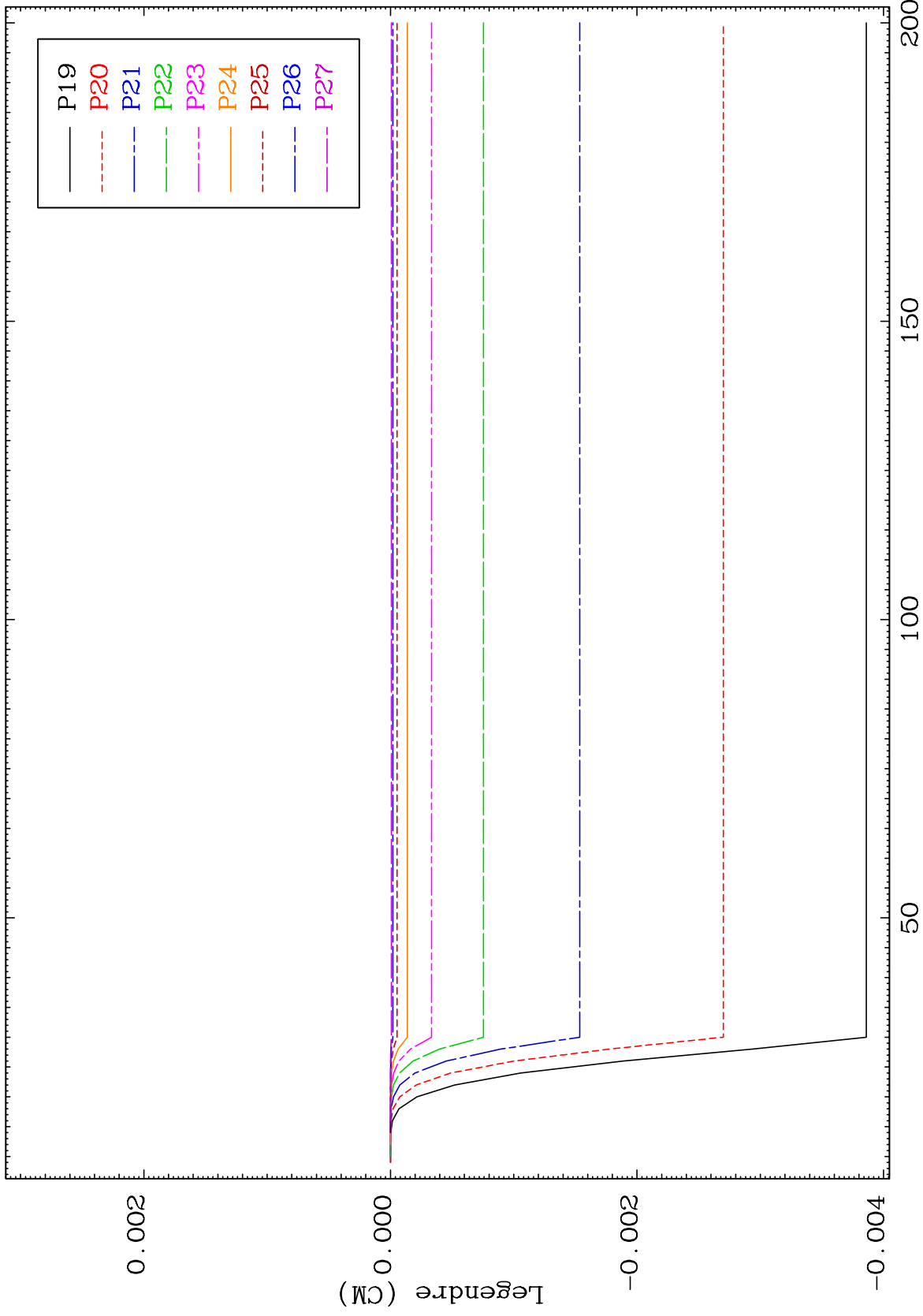
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



68

Incident Energy (MeV)

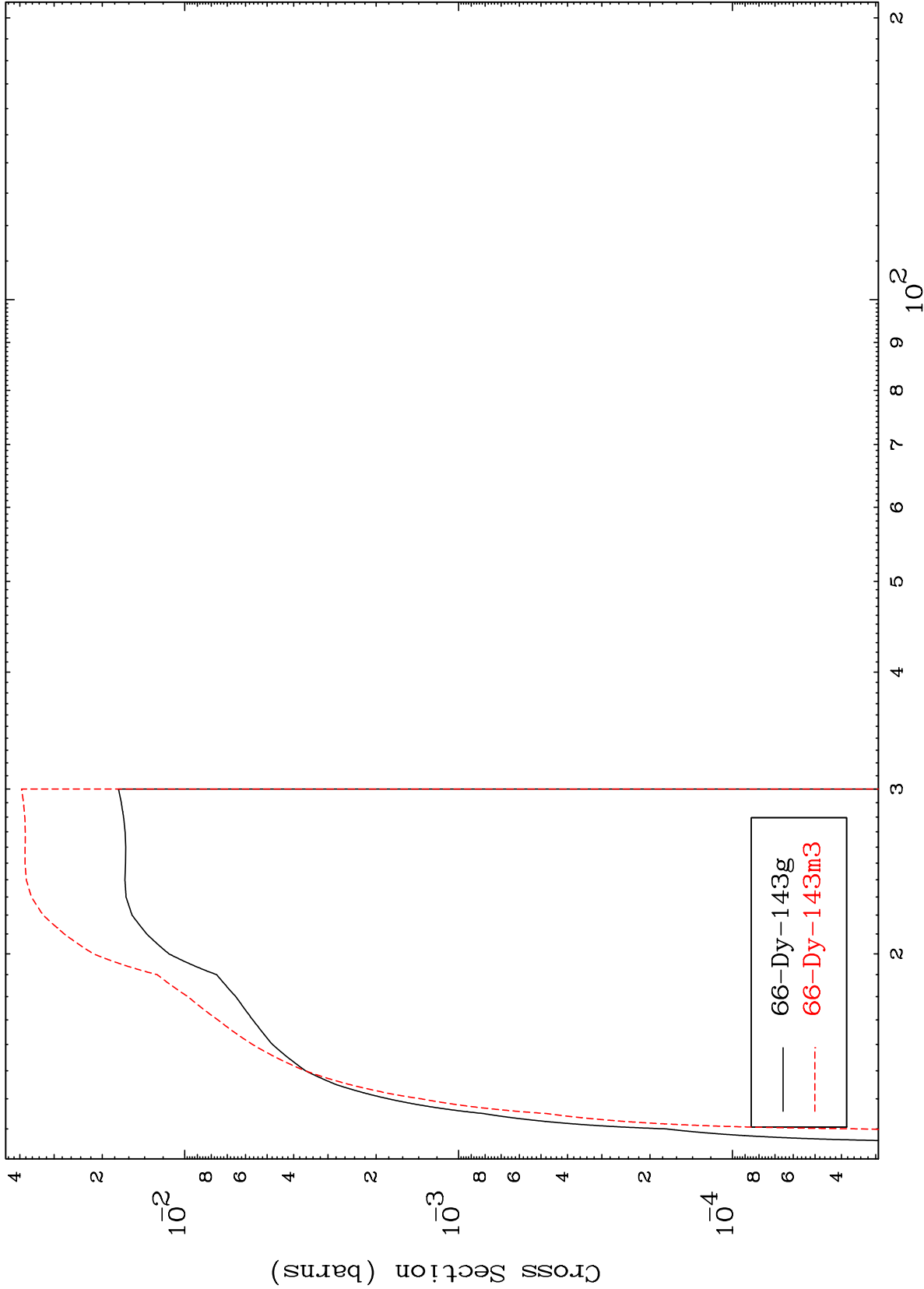
66-Dy-144

MAT 6589

(n,2n)

66-Dy-144

Radionuclide Production Cross Section



70

Incident Energy (MeV)

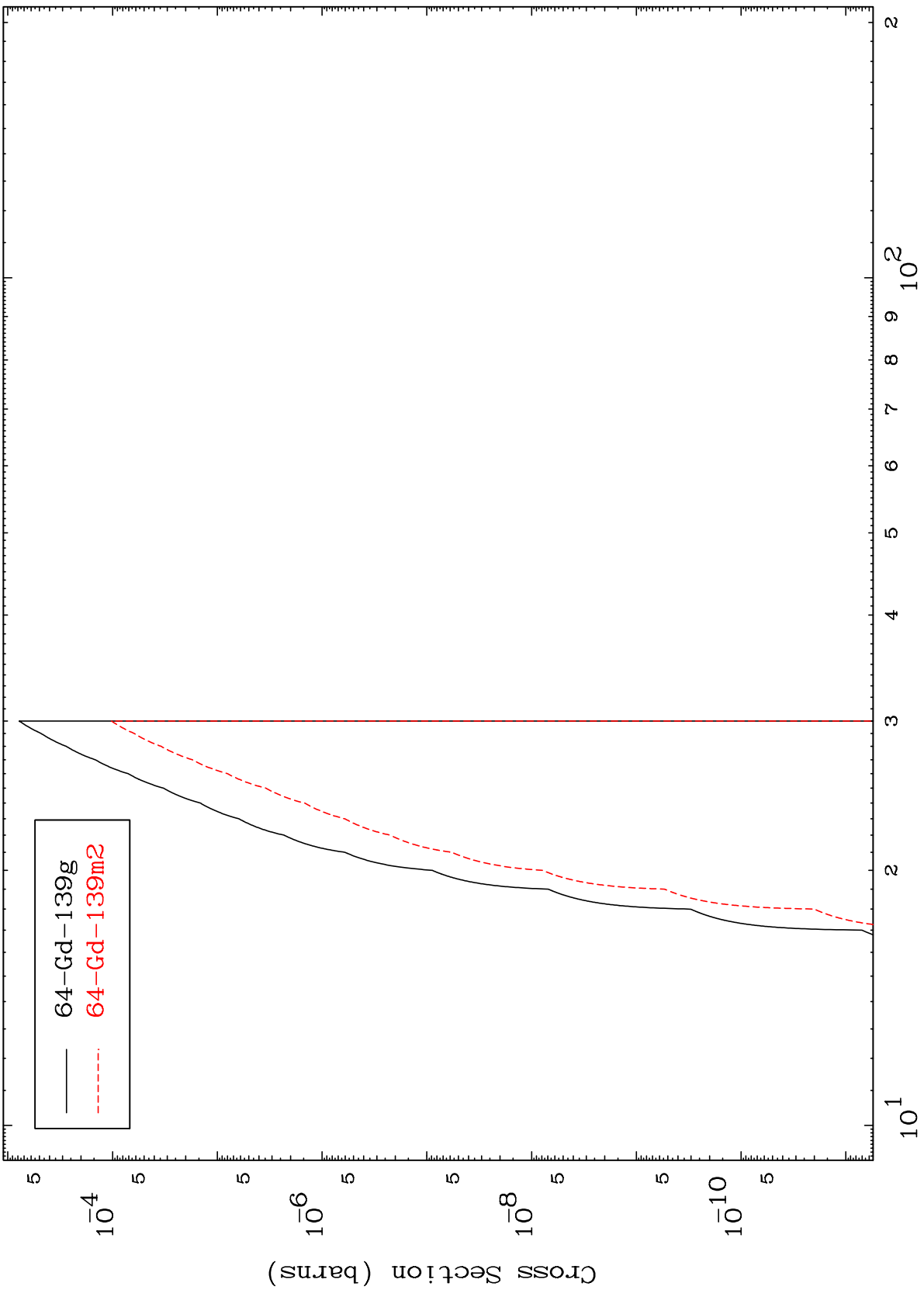
66-Dy-144

MAT 6589

(n,2n) α

66-Dy-144

Radionuclide Production Cross Section



64-Gd-139g
64-Gd-139m2

71

Incident Energy (MeV)

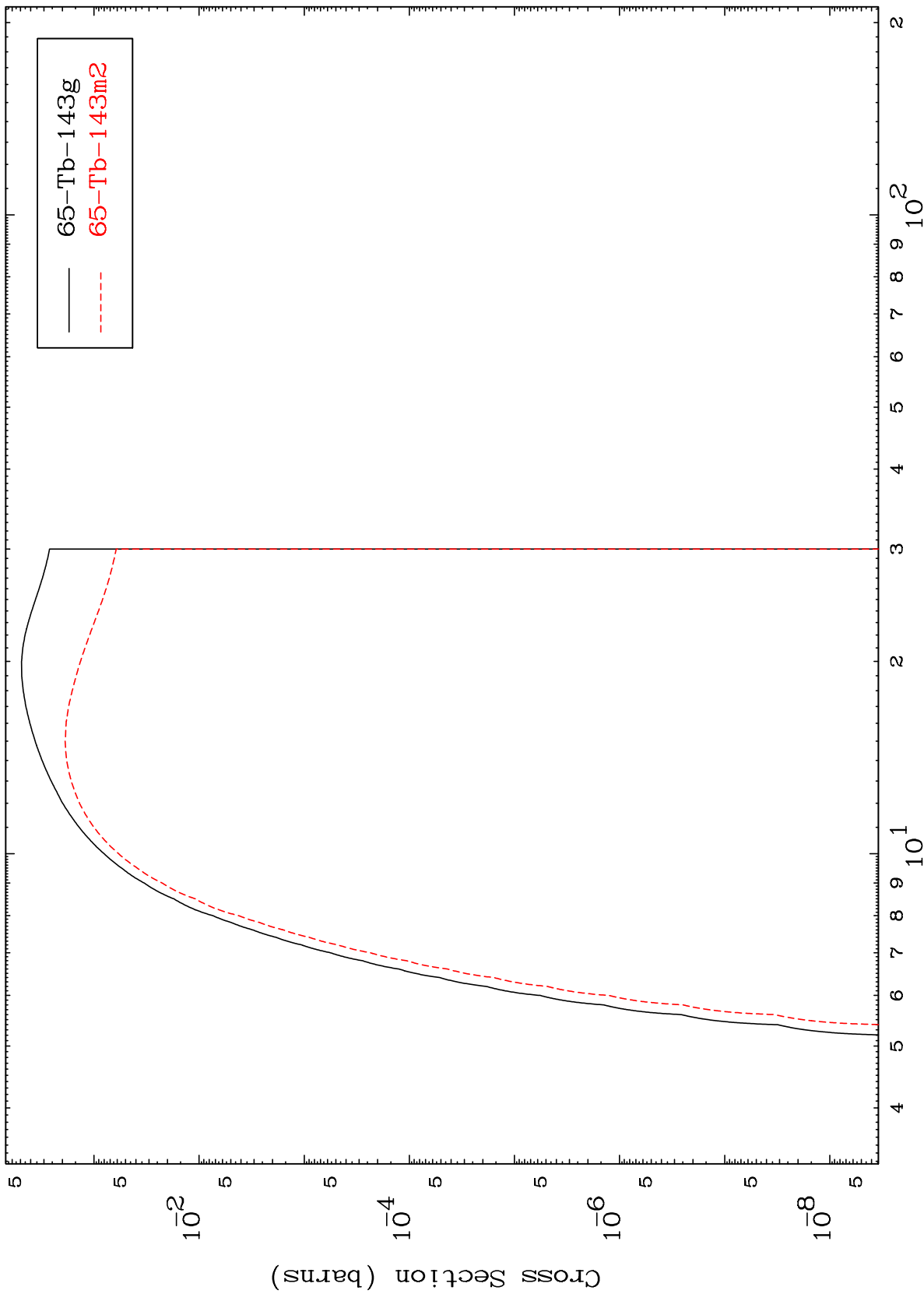
66-Dy-144

MAT 6589

(n,n') p

66-Dy-144

Radionuclide Production Cross Section



72

Incident Energy (MeV)

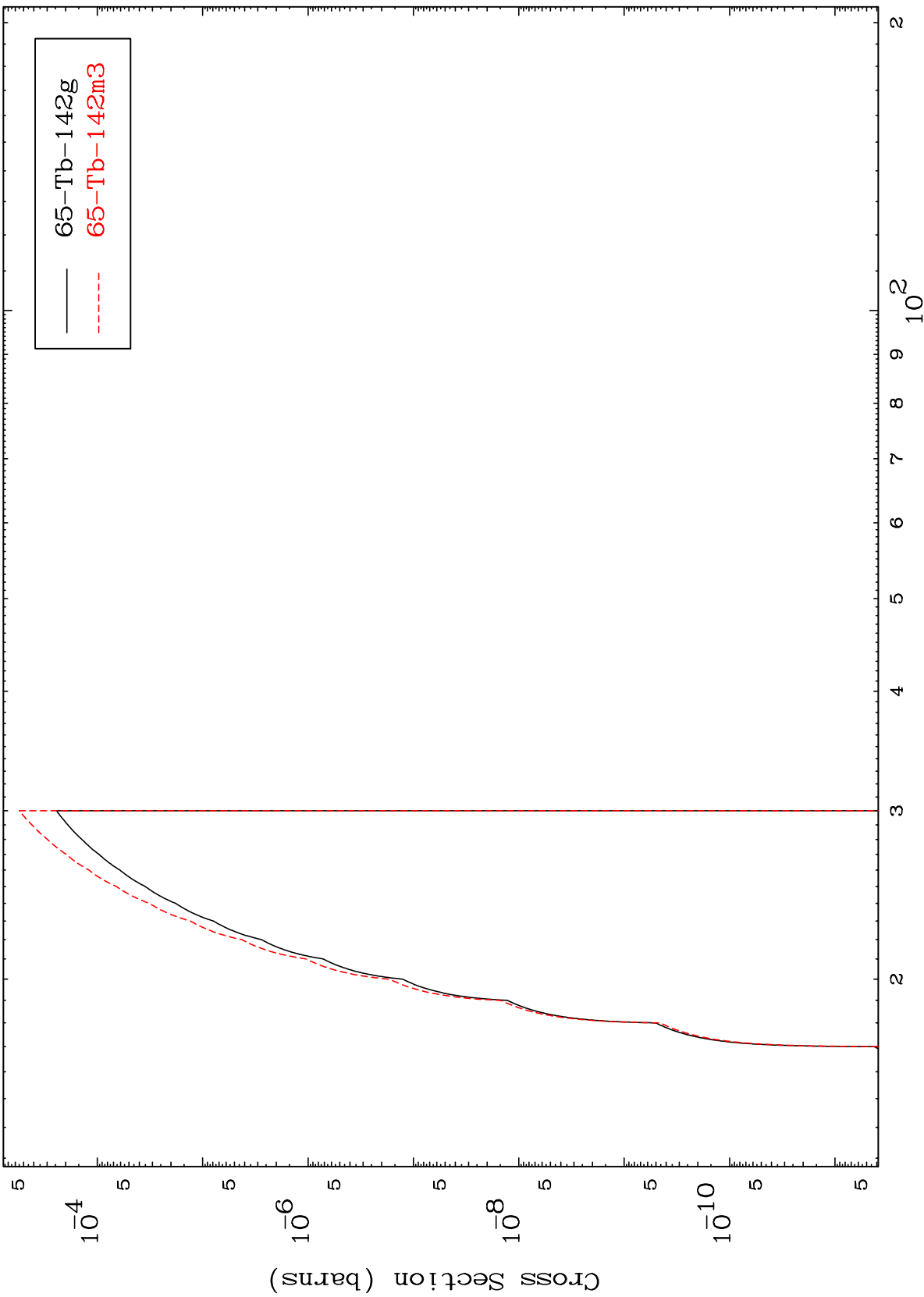
66-Dy-144

MAT 6589

(n,n') d

66-Dy-144

Radionuclide Production Cross Section



73

Incident Energy (MeV)

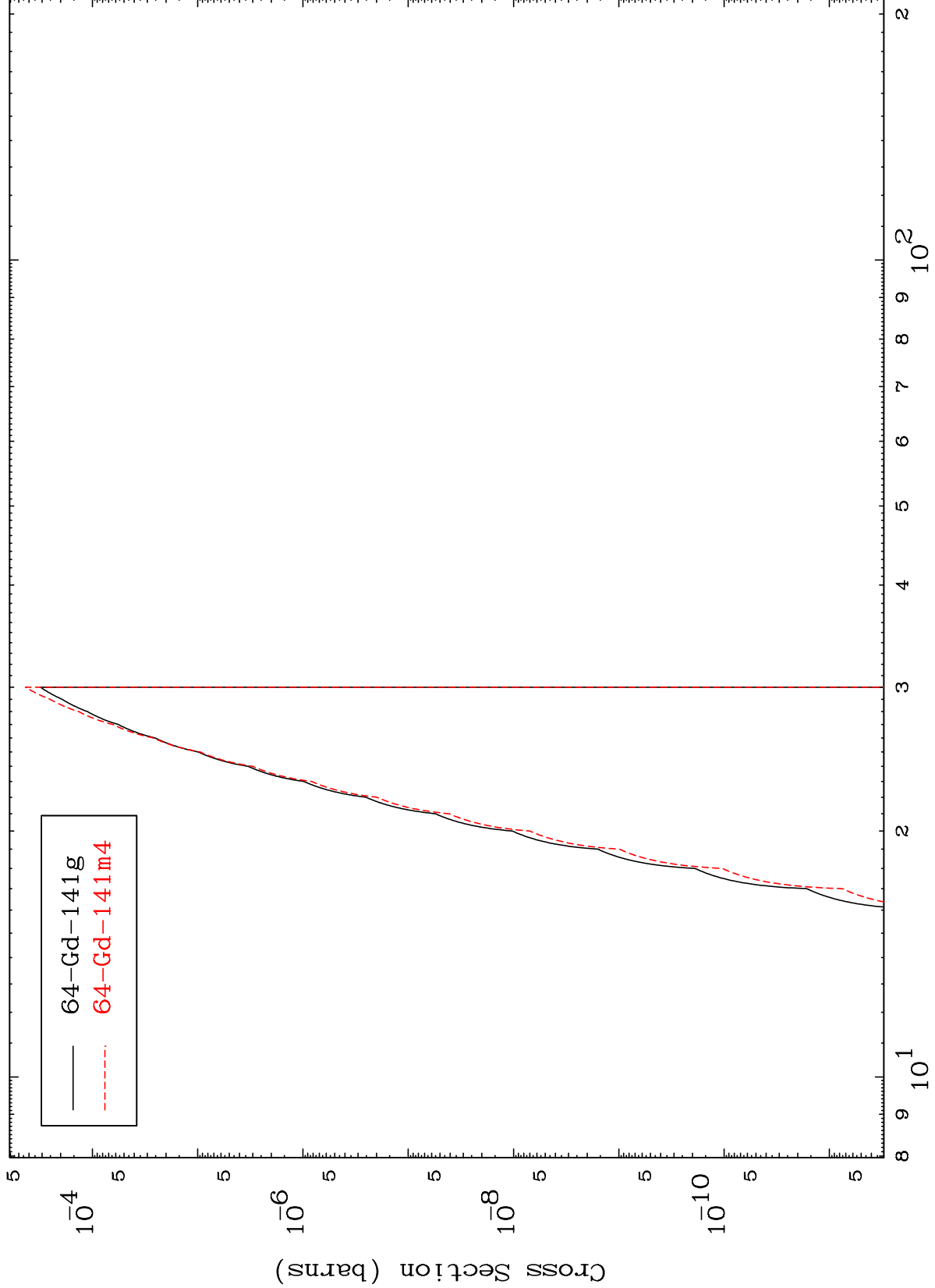
66-Dy-144

MAT 6589

(n,n') He-3

66-Dy-144

Radionuclide Production Cross Section



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

74

Incident Energy (MeV)

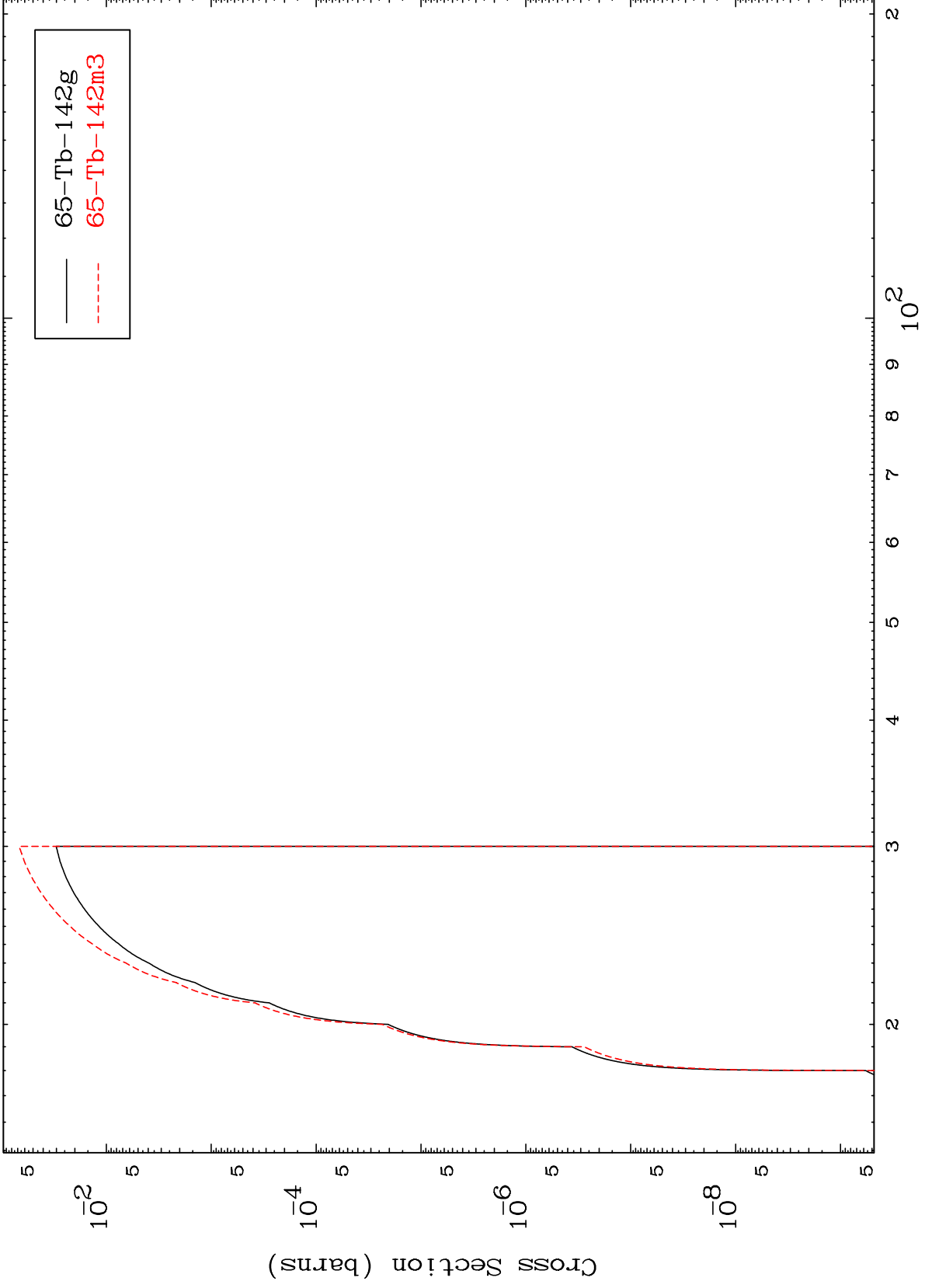
66-Dy-144

MAT 6589

(n,2n) p

66-Dy-144

Radionuclide Production Cross Section



75

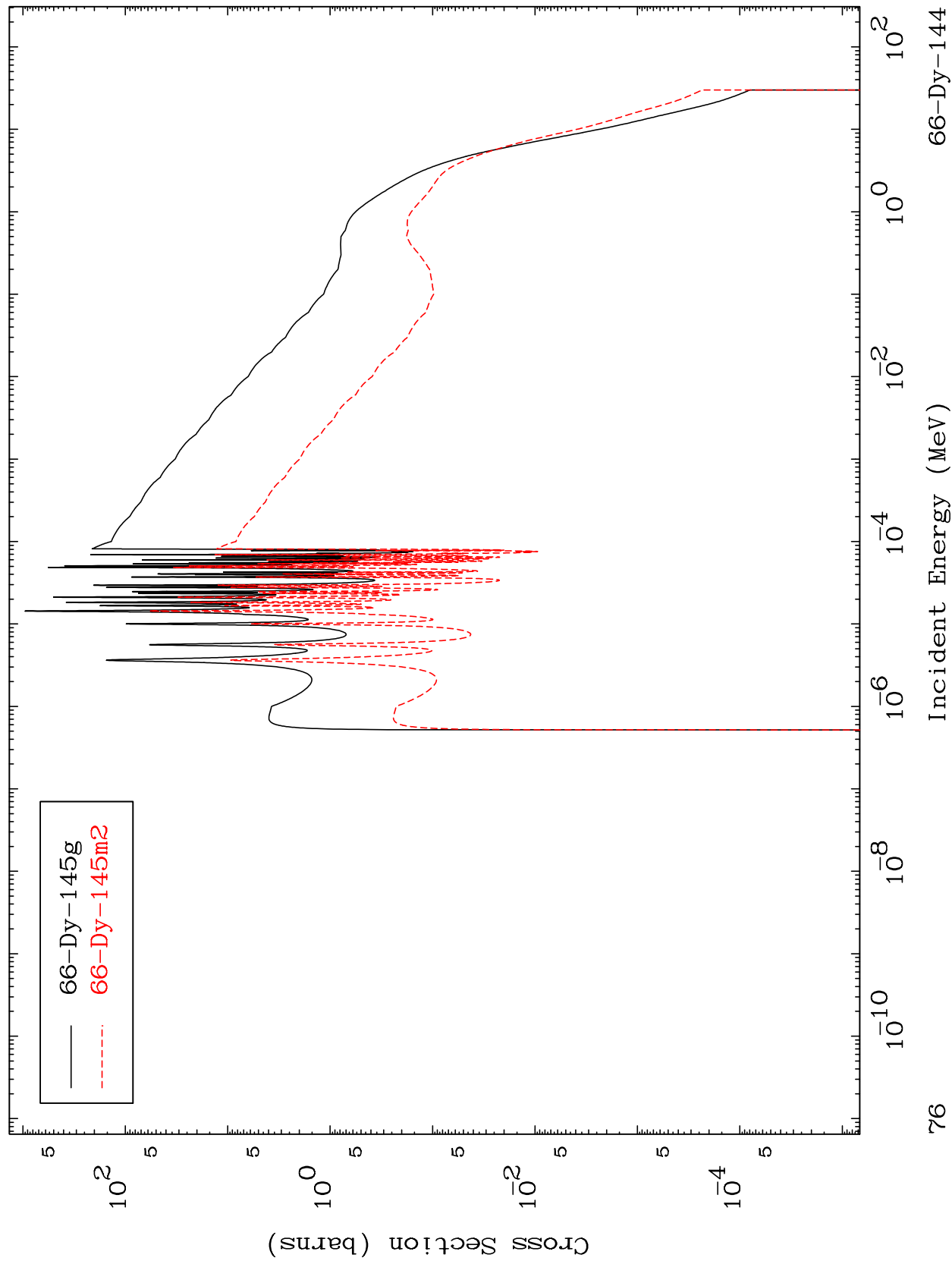
Incident Energy (MeV)

66-Dy-144

MAT 6589

66-Dy-144

(n, γ)
Radionuclide Production Cross Section



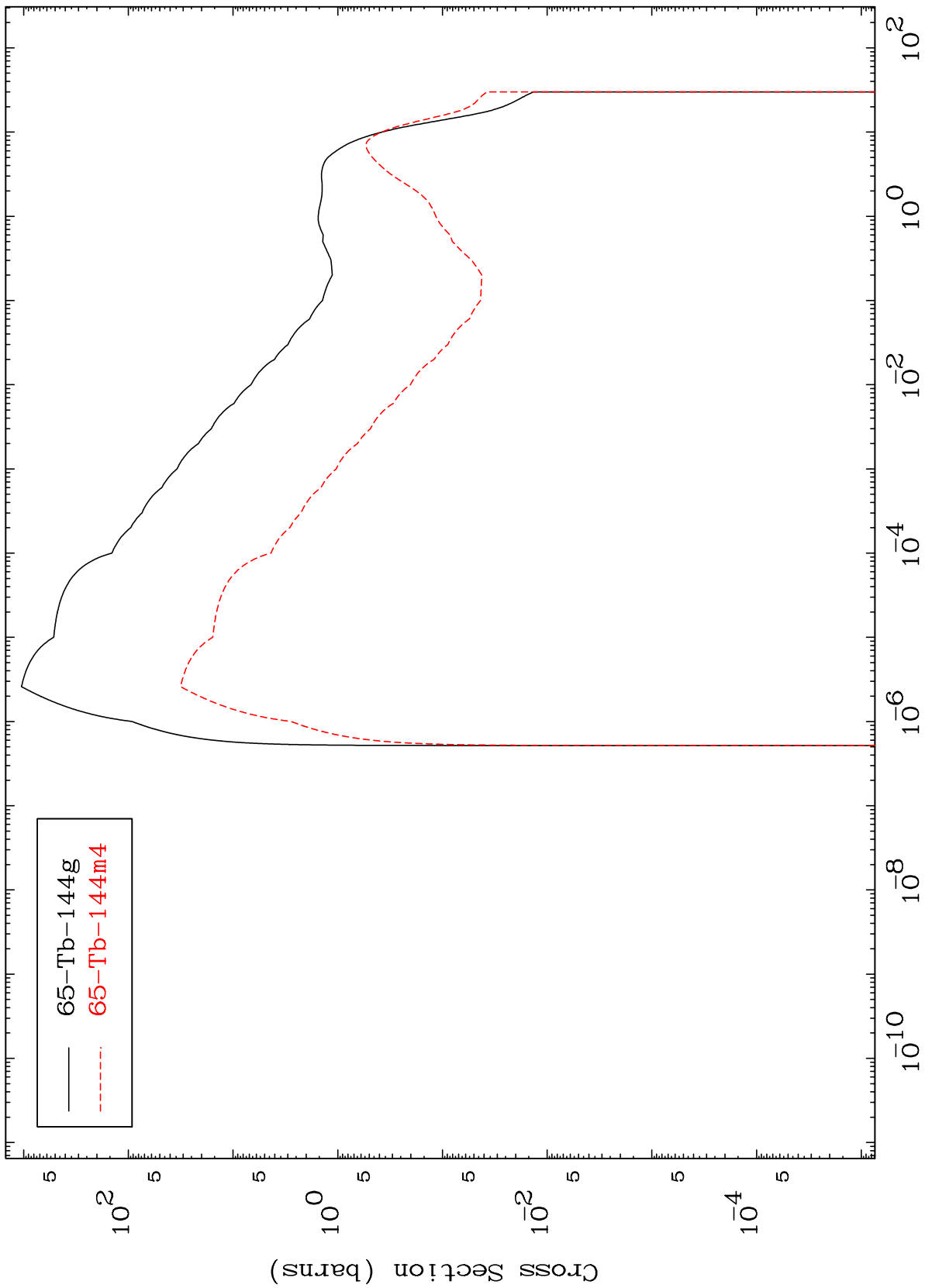
76

66-Dy-144

MAT 6589

66-Dy-144

(n,p)
Radionuclide Production Cross Section



66-Dy-144

Incident Energy (MeV)

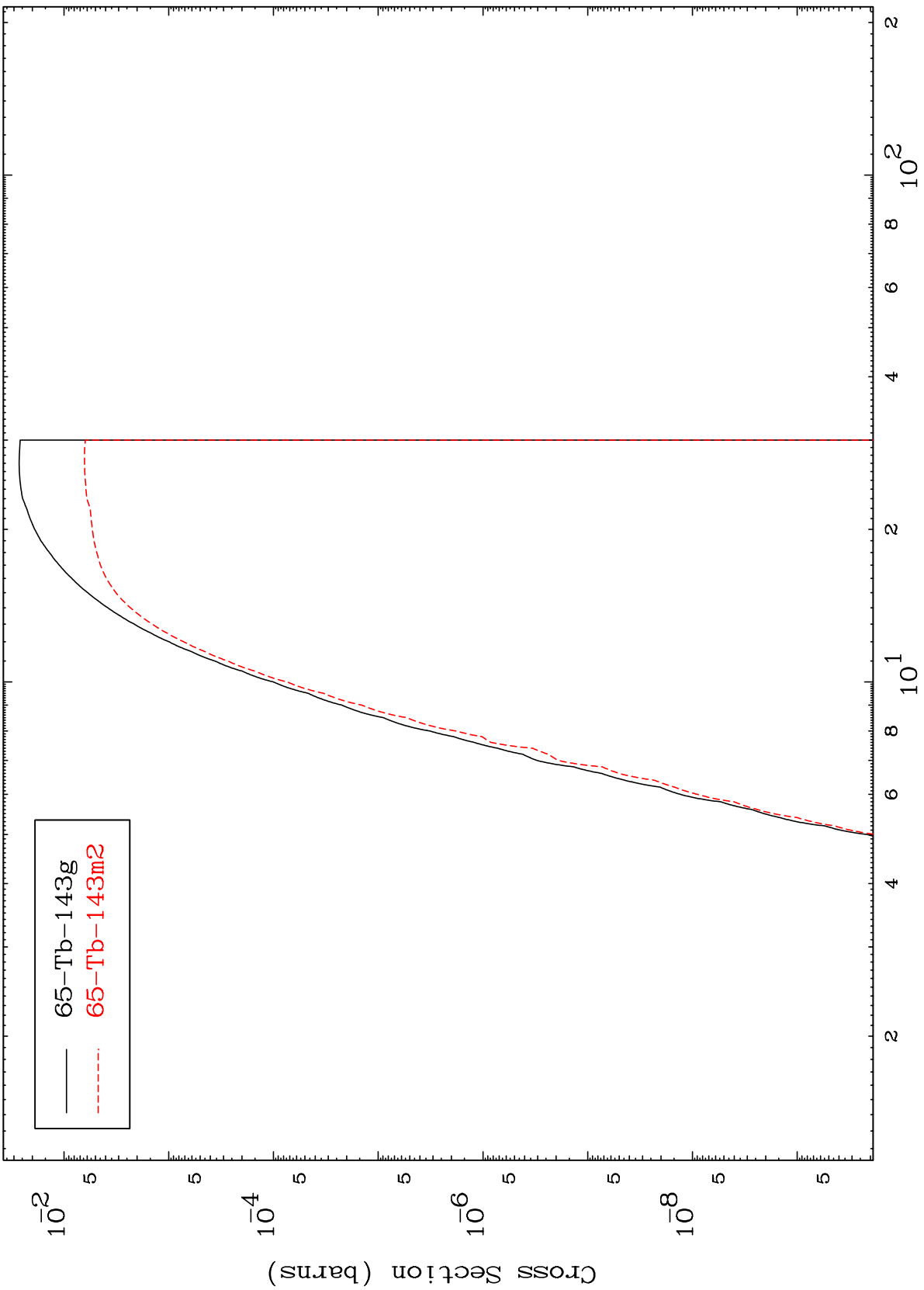
77

MAT 6589

(n,d)

66-Dy-144

Radionuclide Production Cross Section



78

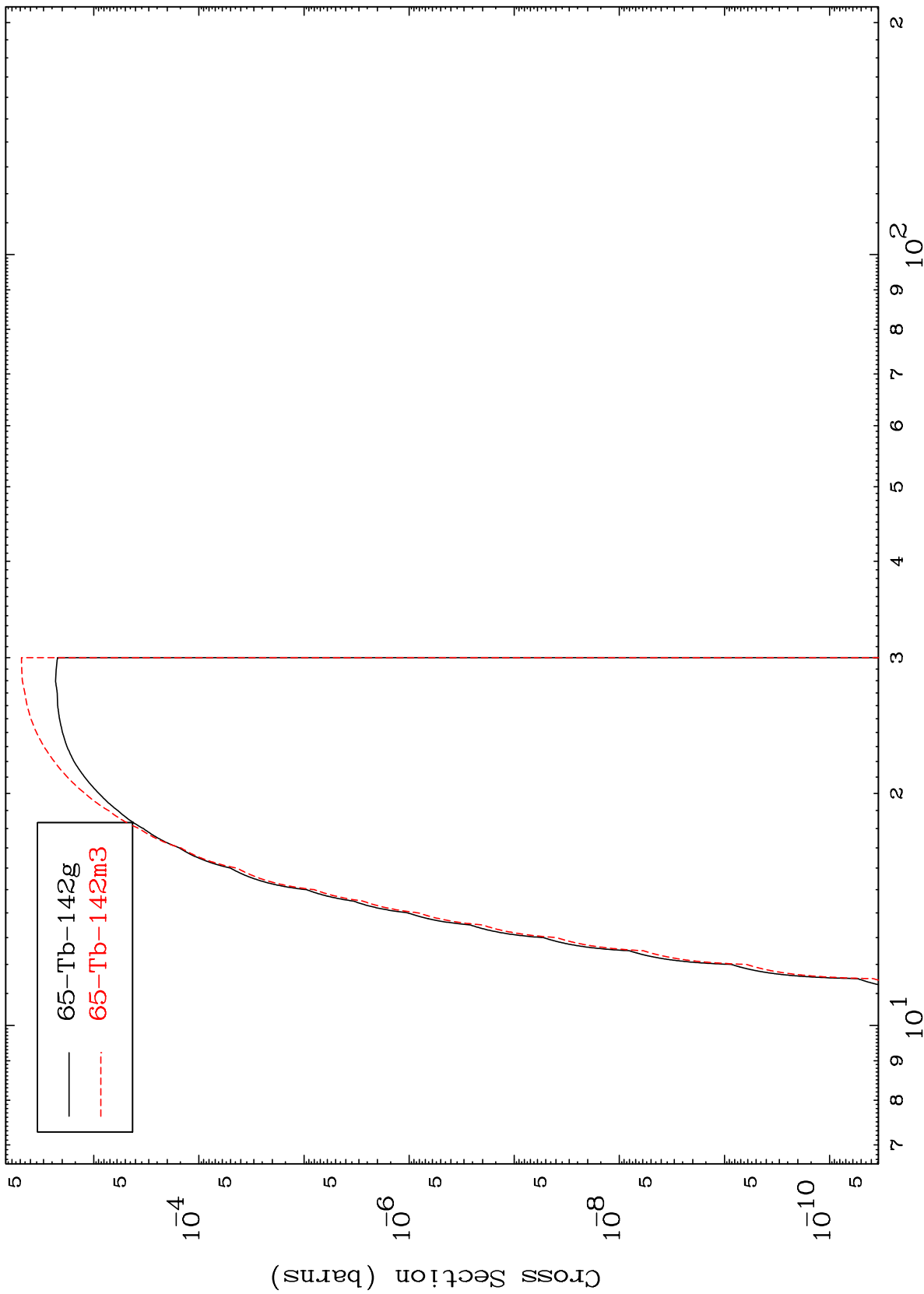
Incident Energy (MeV)

66-Dy-144

MAT 6589

66-Dy-144

(n,t)
Radionuclide Production Cross Section



79

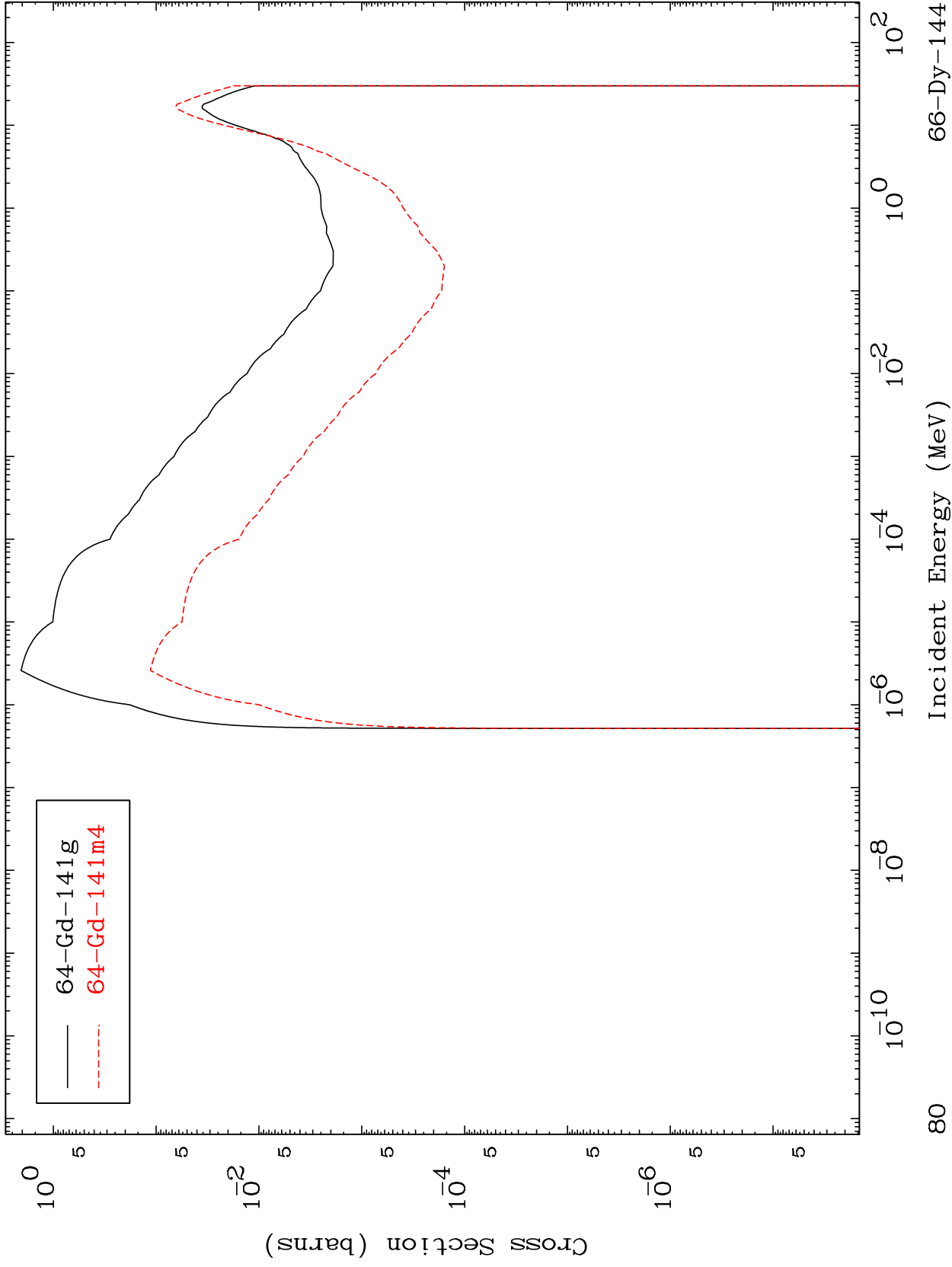
Incident Energy (MeV)

66-Dy-144

MAT 6589

66-Dy-144

(n, α)
Radionuclide Production Cross Section

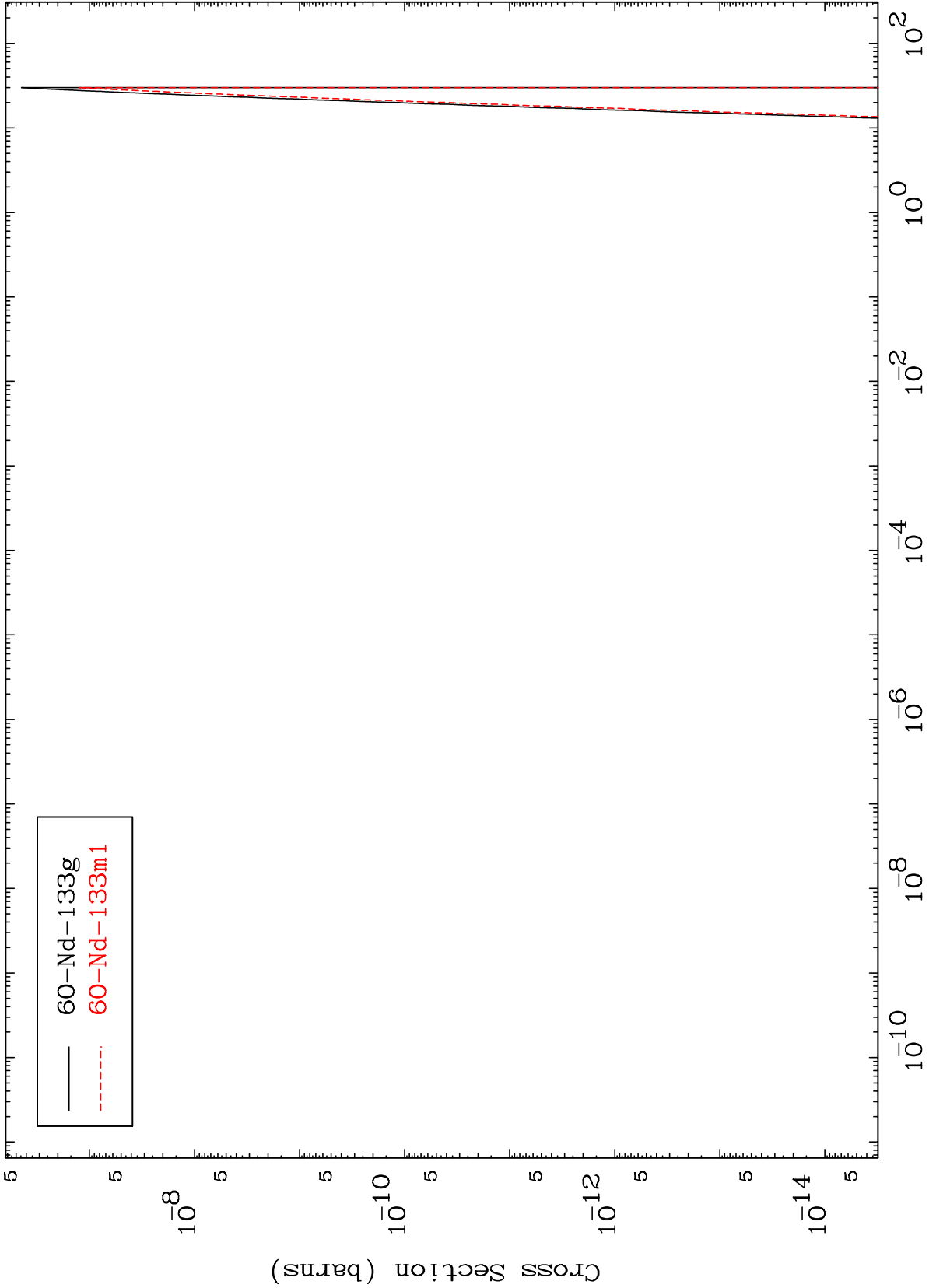


MAT 6589

(n, 3α)

66-Dy-144

Radionuclide Production Cross Section



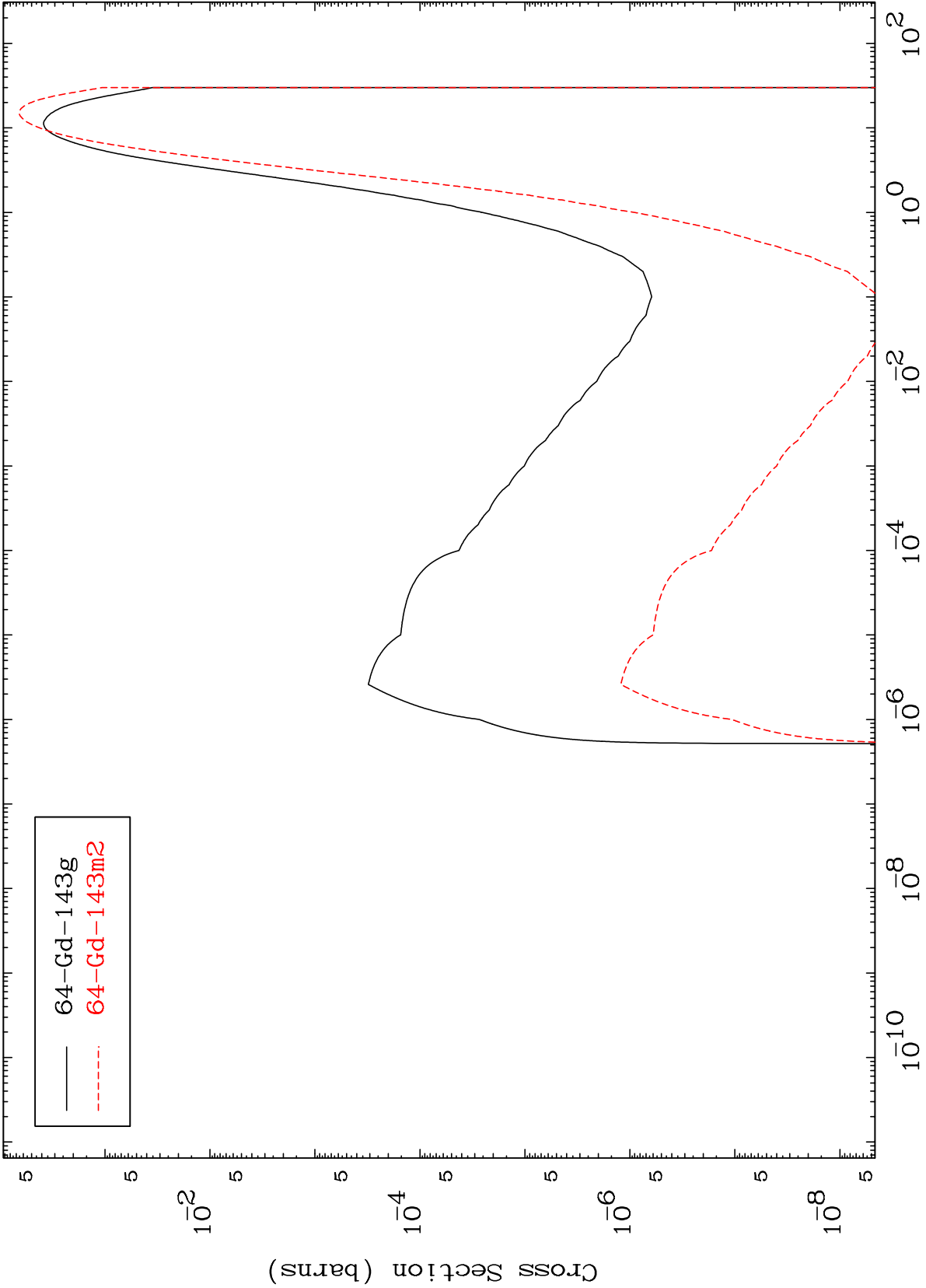
60-Nd-133g
60-Nd-133m1

MAT 6589

(n,2p)

66-Dy-144

Radionuclide Production Cross Section



— 64-Gd-143g
- - - 64-Gd-143m2

MAT 6589

(n,p) t

66-Dy-144

