

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

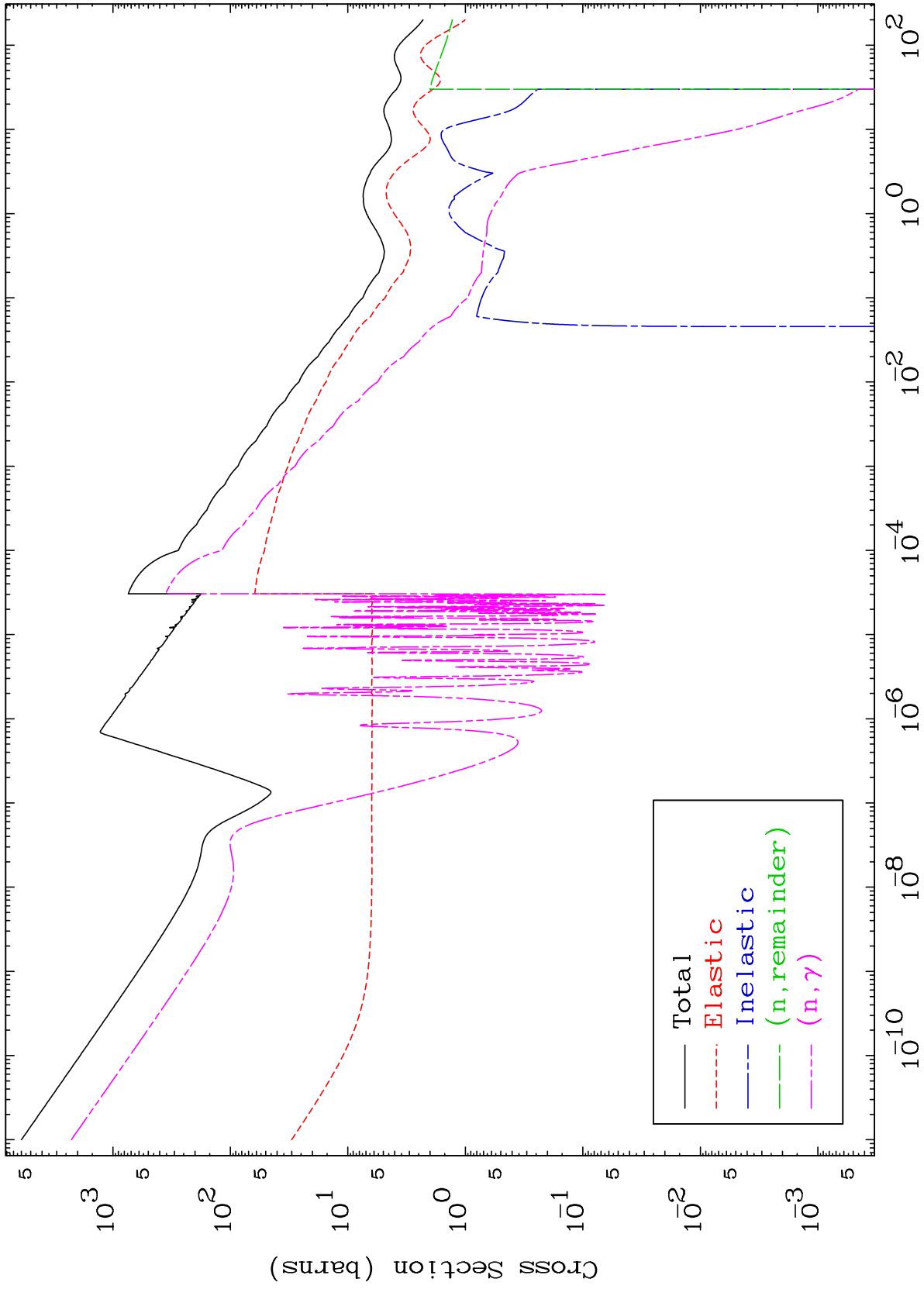
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6398

Major
293 Kelvin Cross Sections

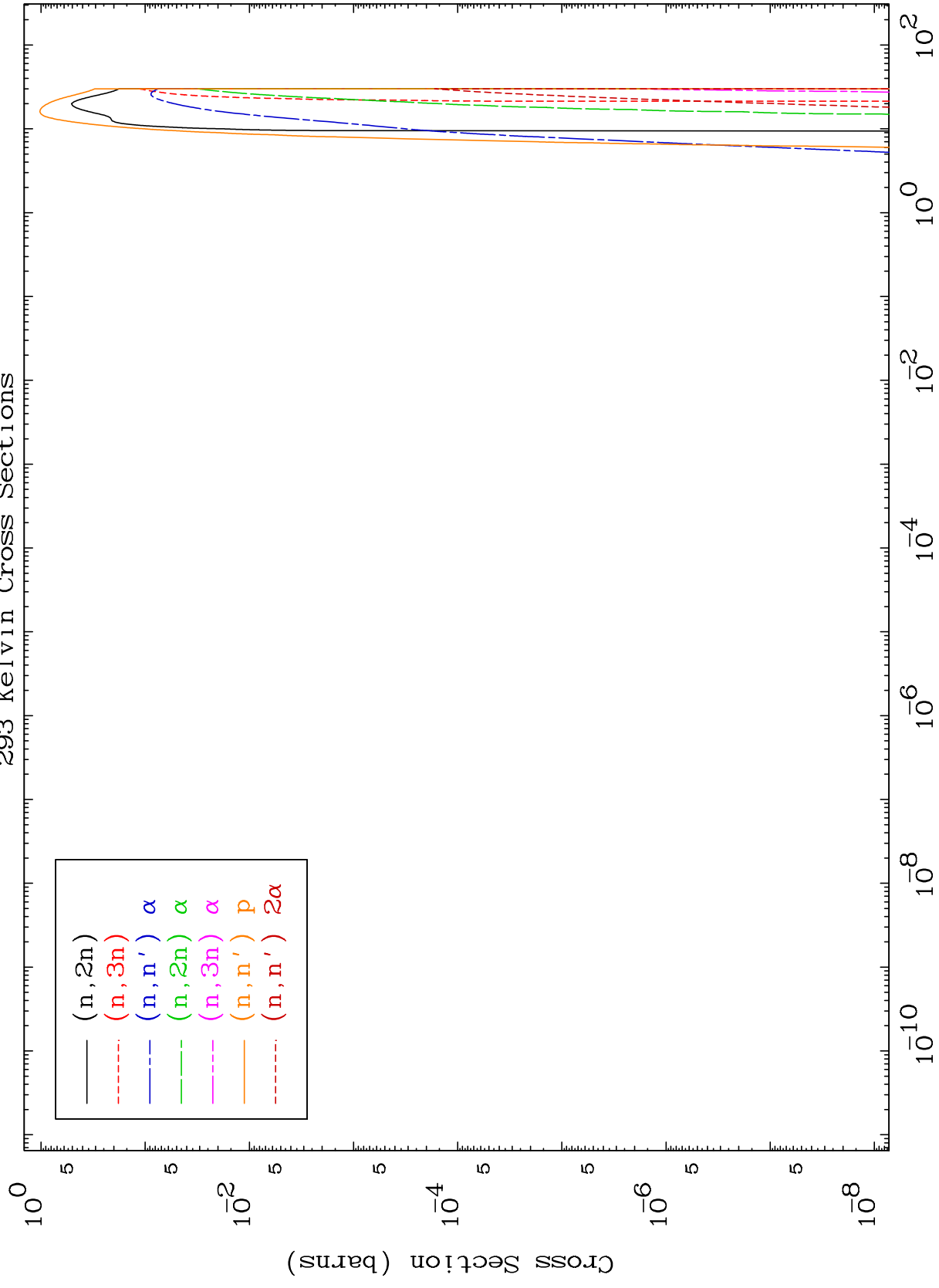
64-Gd-143



MAT 6398

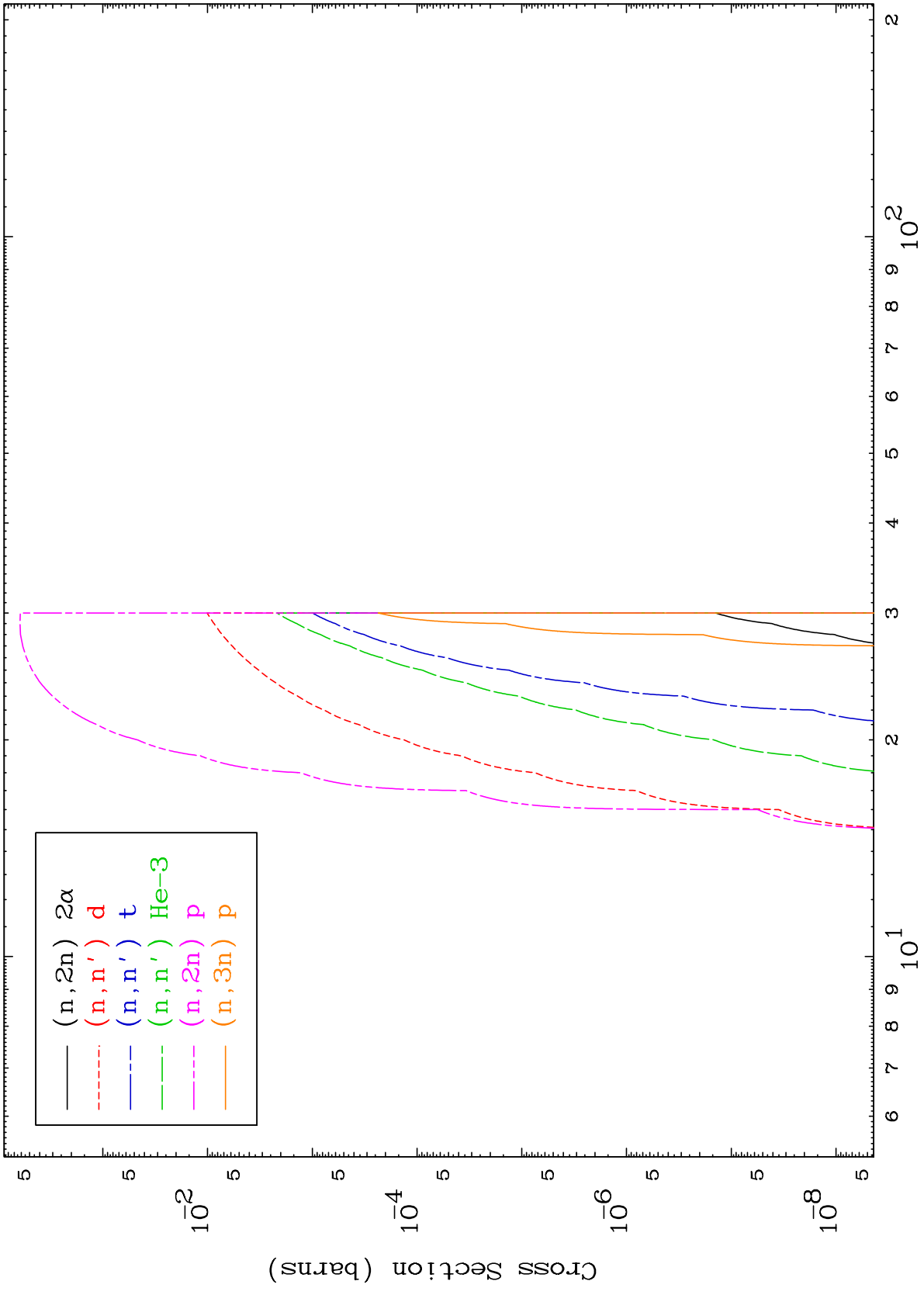
Neutron Production
293 Kelvin Cross Sections

64-Gd-143



2

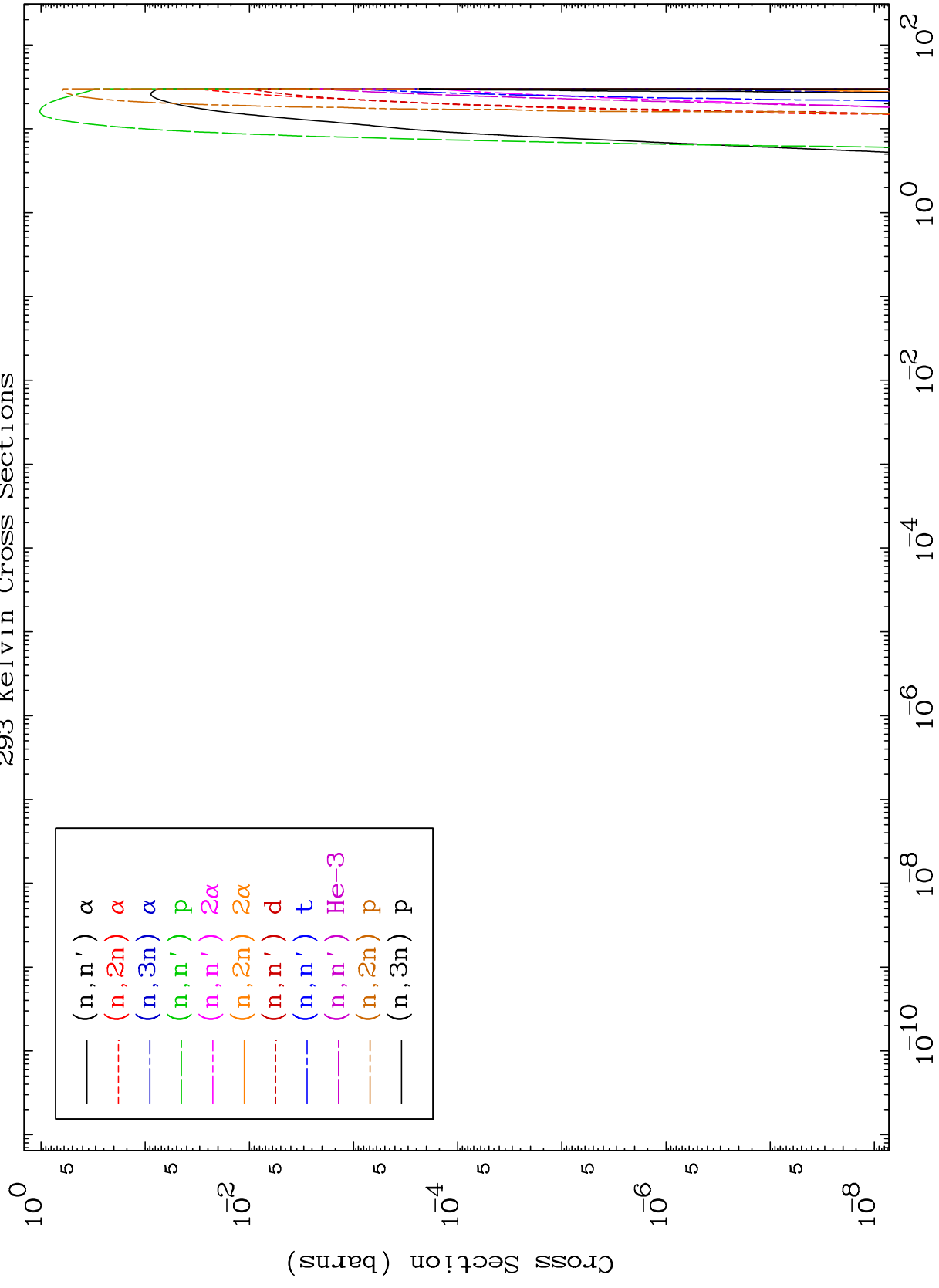
64-Gd-143



MAT 6398

293 Charged Particle
Kelvin Cross Sections

64-Gd-143

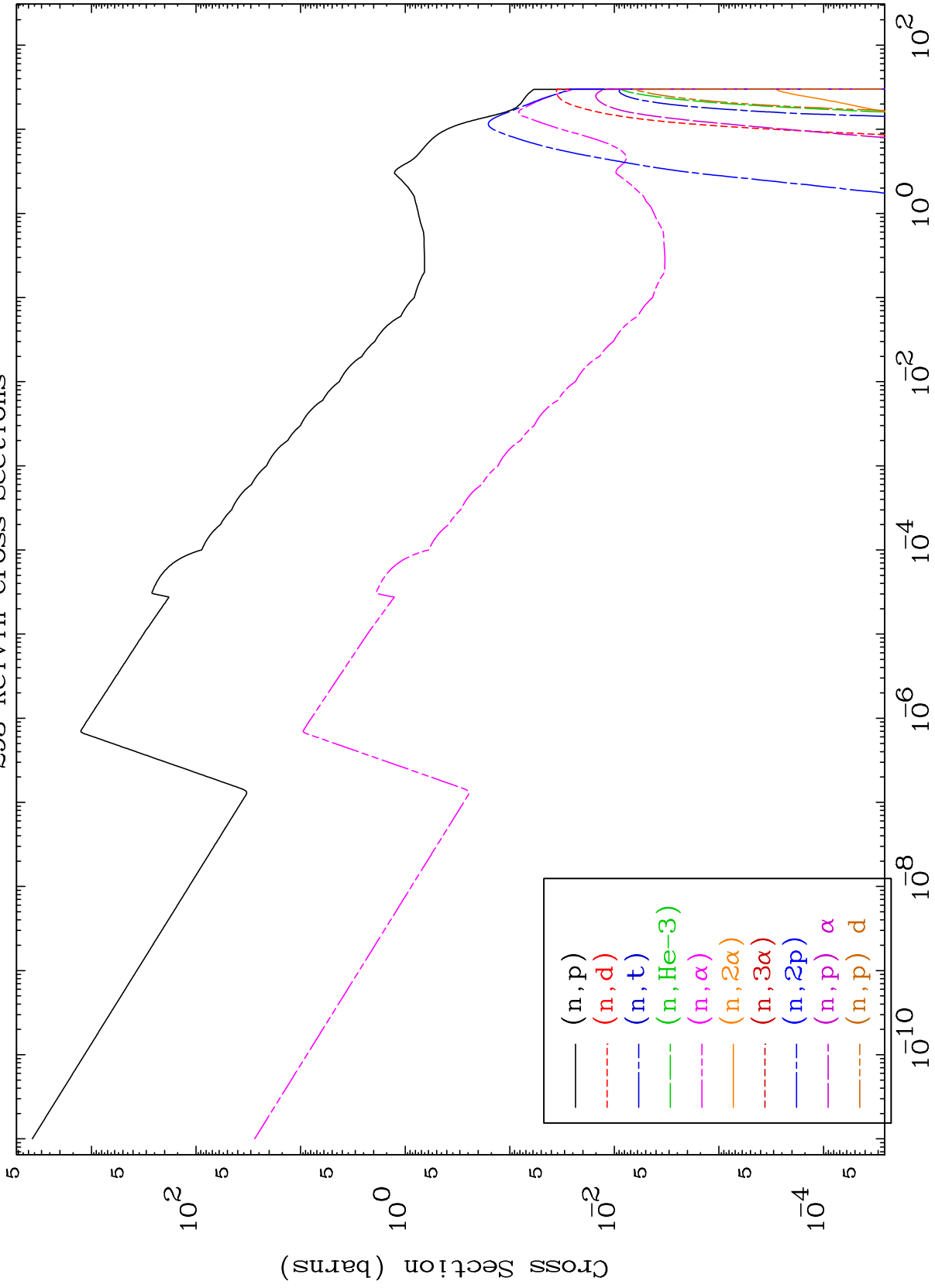


64-Gd-143

MAT 6398

Charged Particle
293 Kelvin Cross Sections

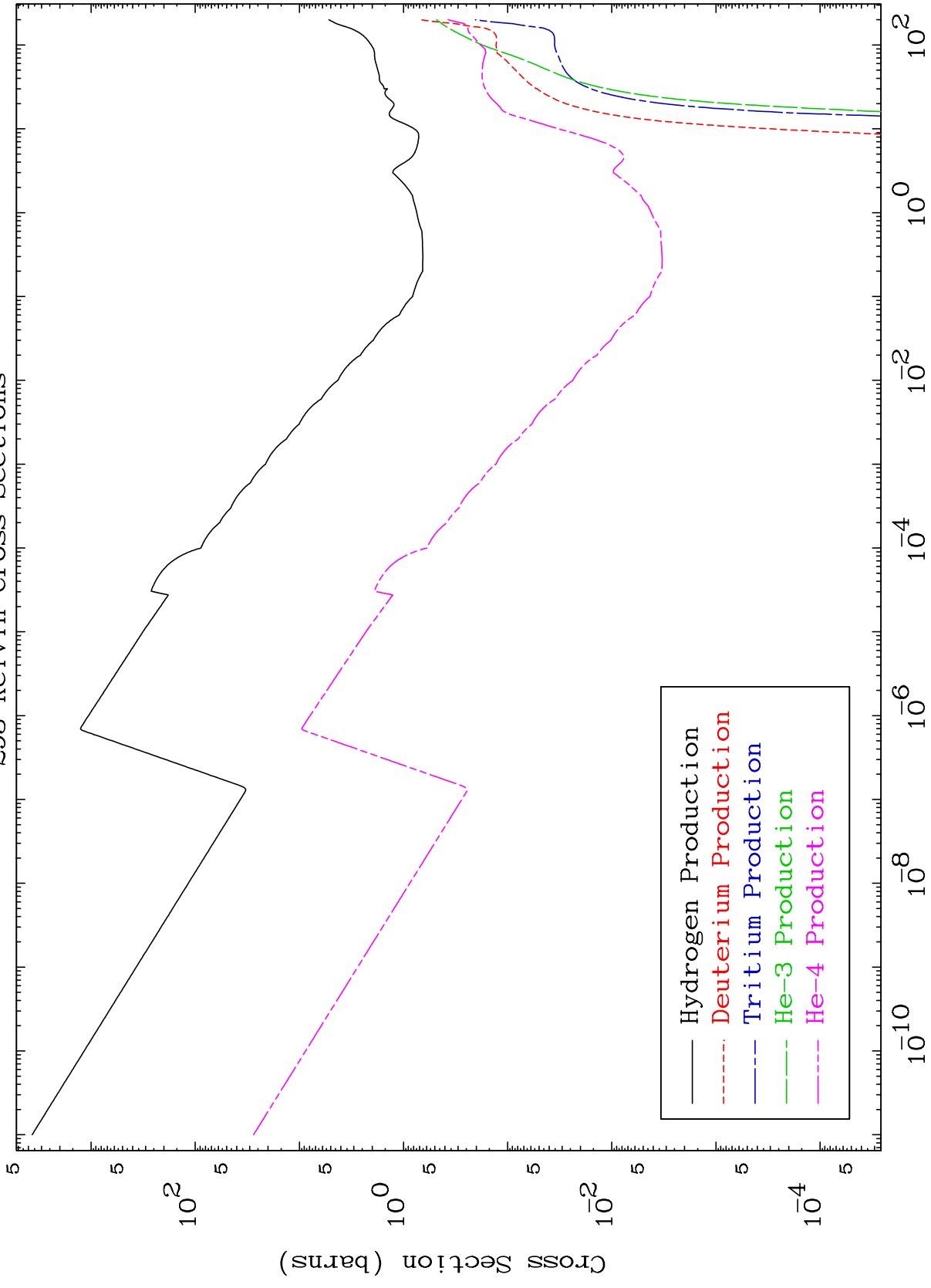
64-Gd-143



MAT 6398

Particle Production
293 Kelvin Cross Sections

64-Gd-143



6

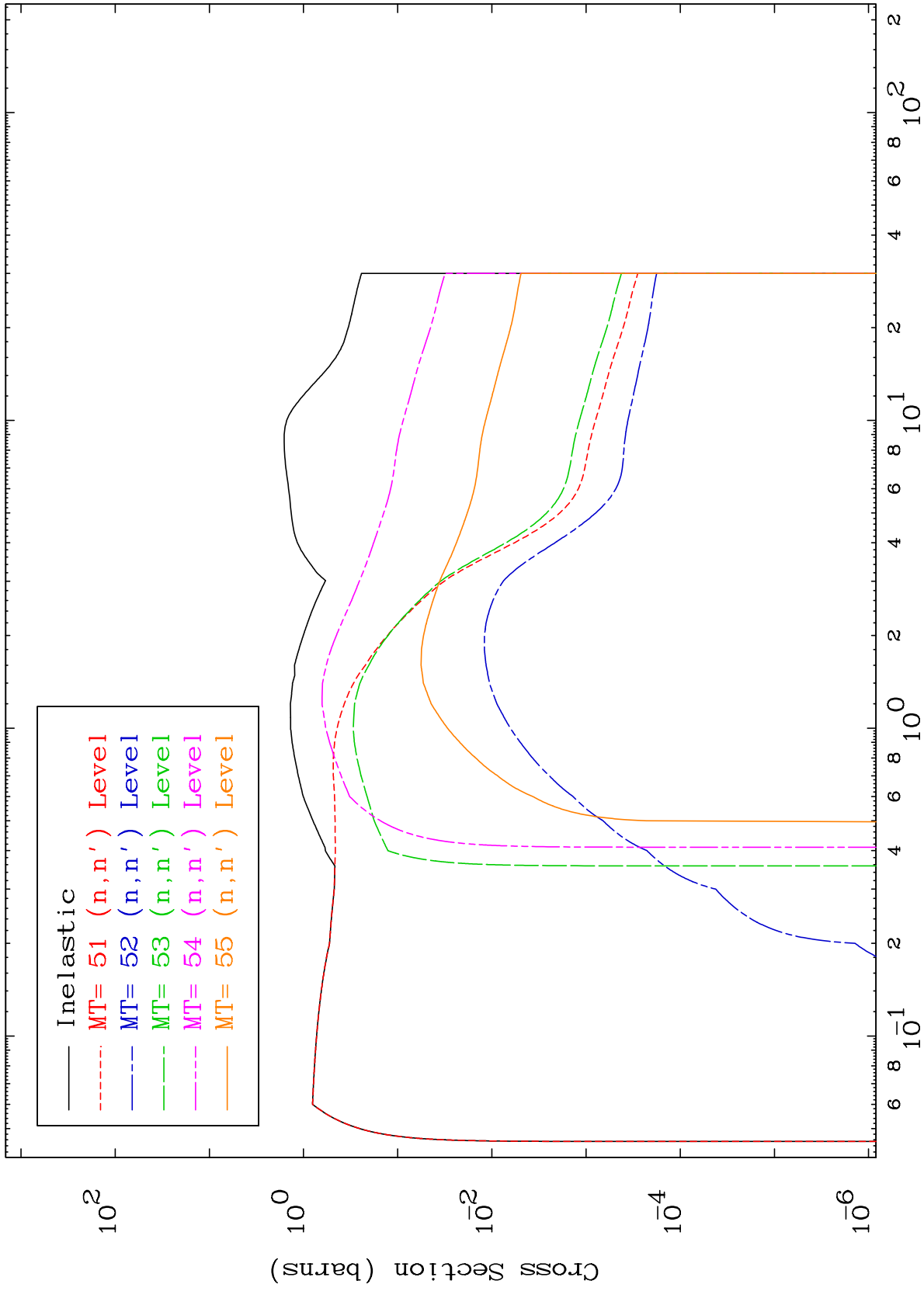
Incident Energy (MeV)

64-Gd-143

MAT 6398

(n,n') Level
293 Kelvin Cross Sections

64-Gd-143

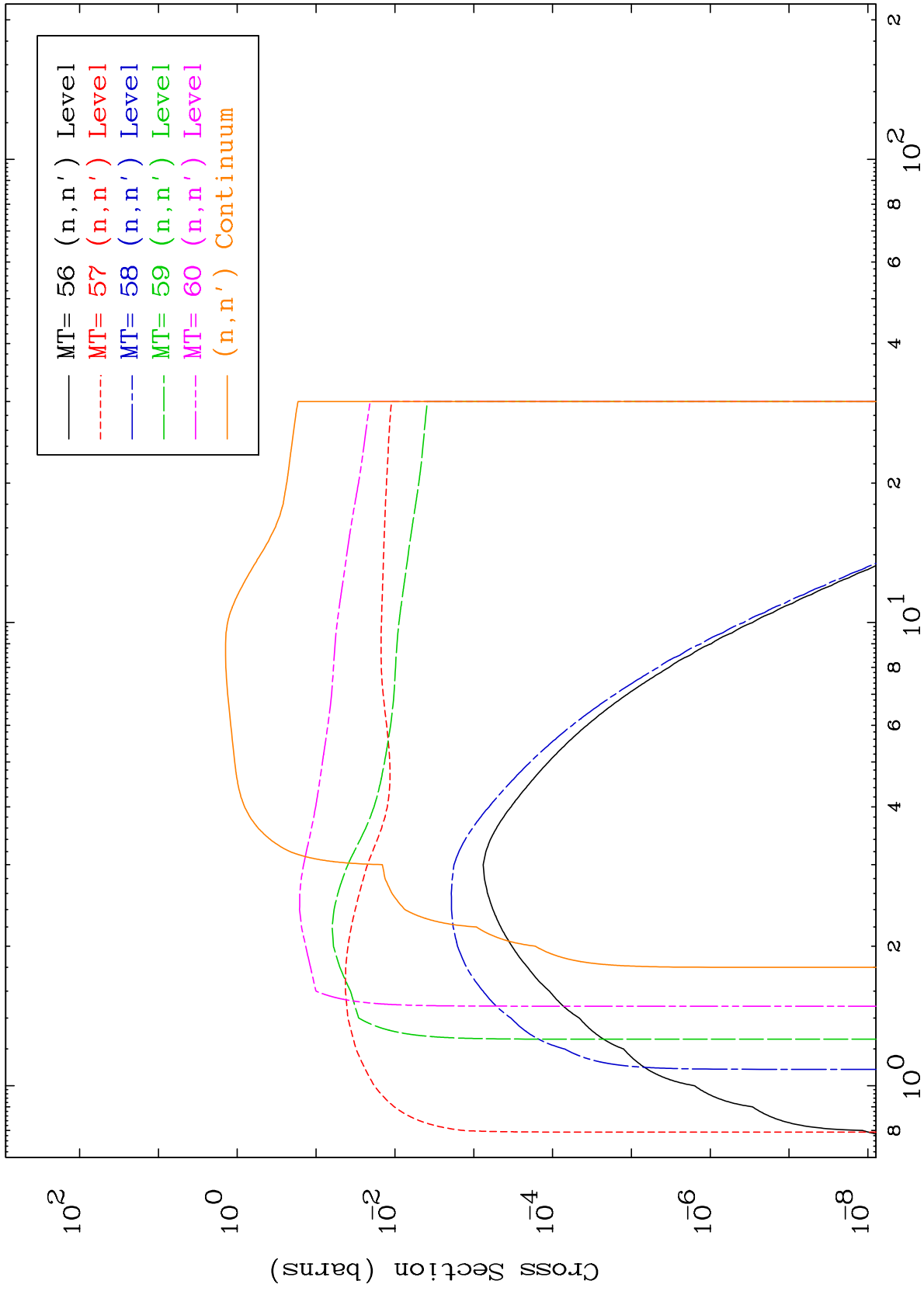


MAT 6398

(n,n') Level

64-Gd-143

293 Kelvin Cross Sections



8

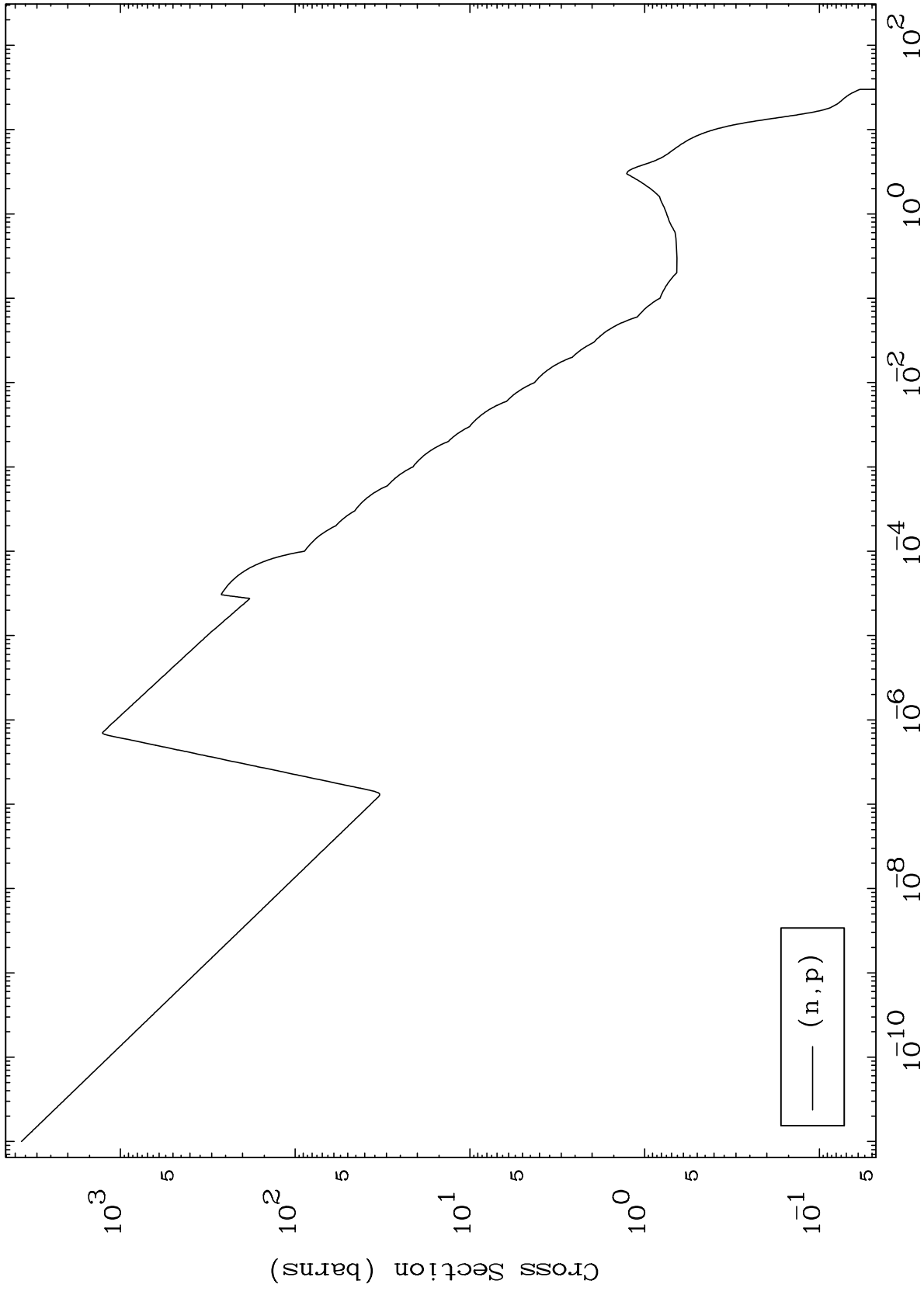
Incident Energy (MeV)

64-Gd-143

MAT 6398

(n,p) Levels
293 Kelvin Cross Sections

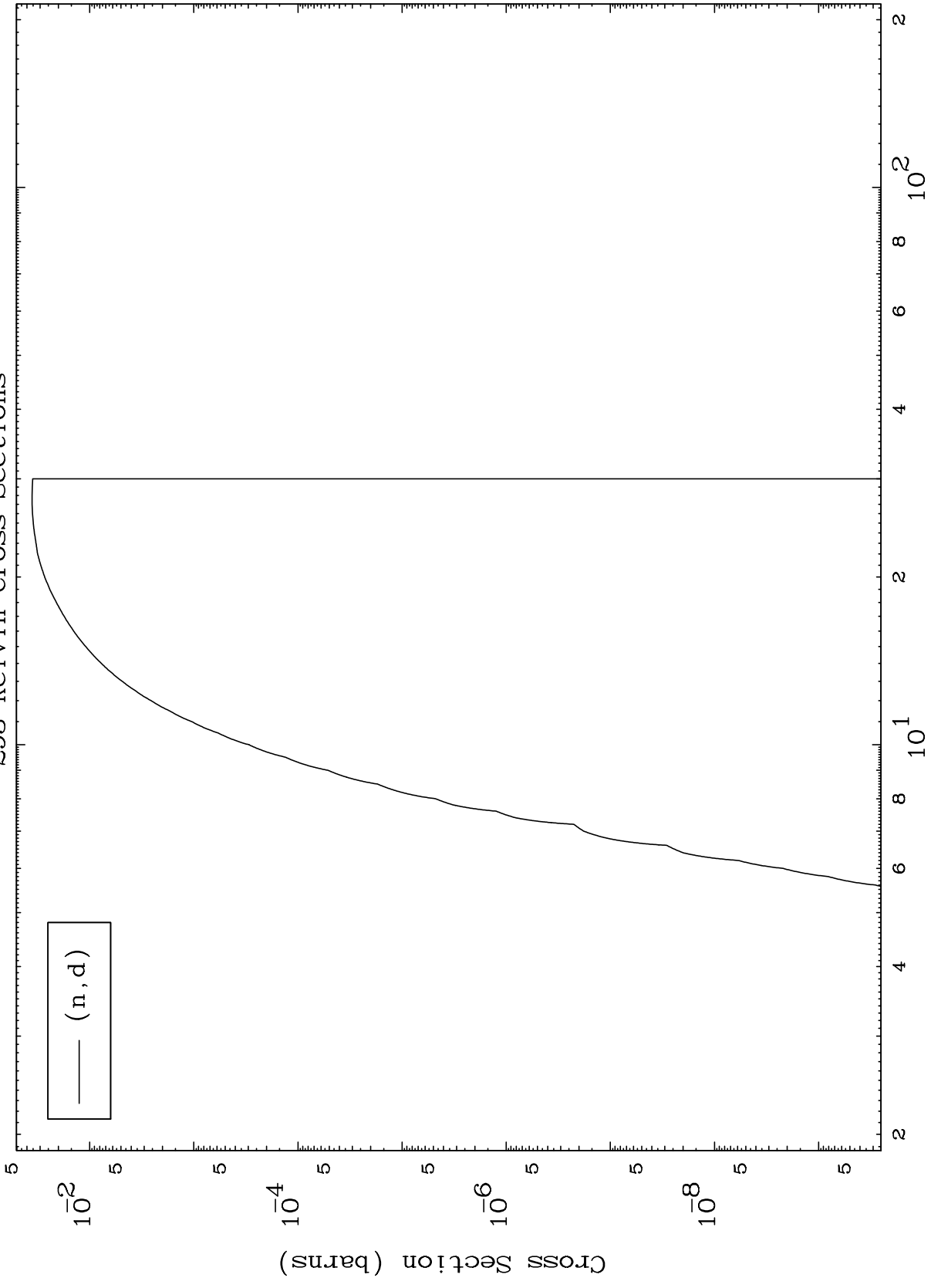
64-Gd-143



MAT 6398

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-143



10

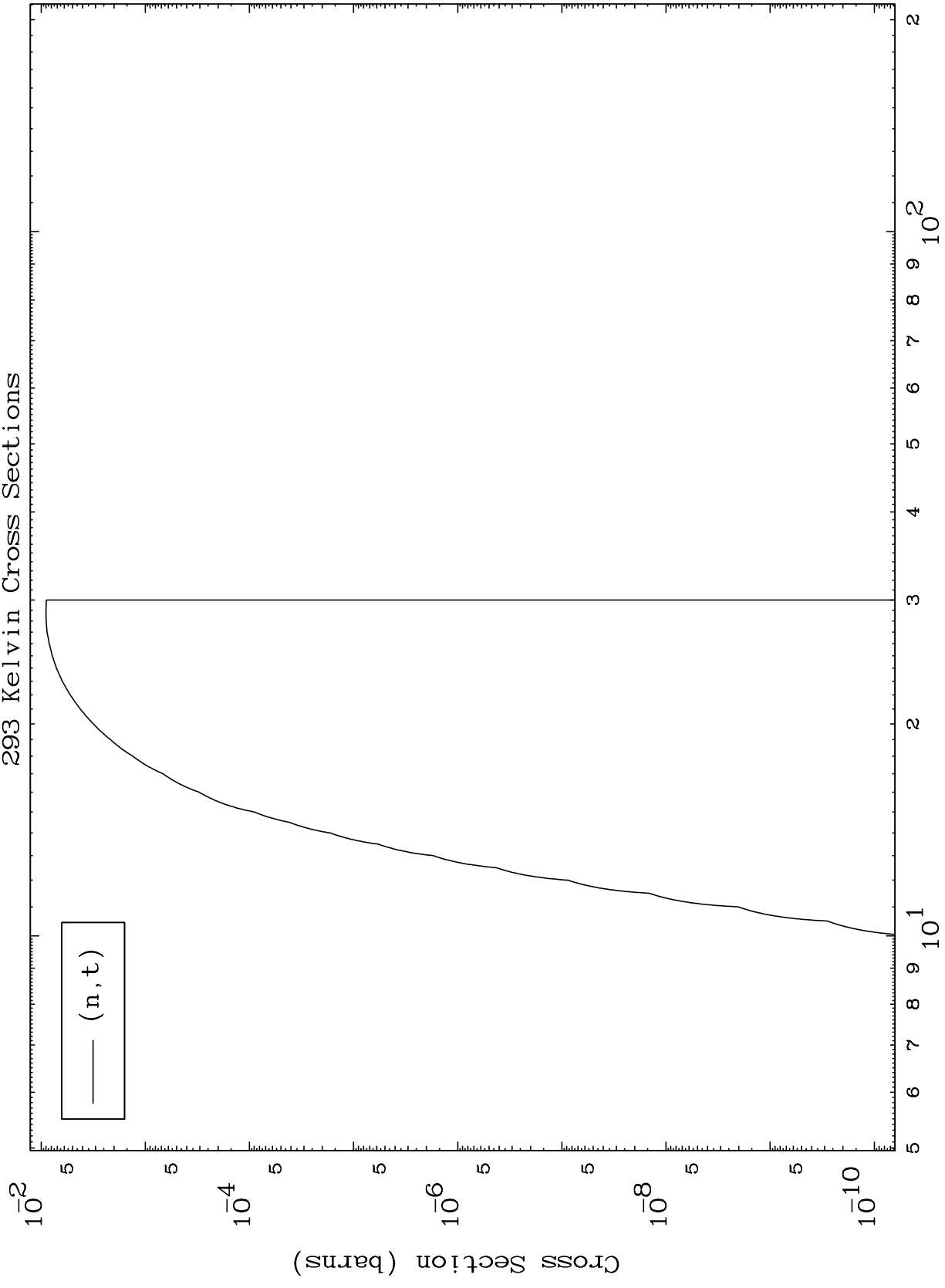
Incident Energy (MeV)

64-Gd-143

MAT 6398

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-143



11

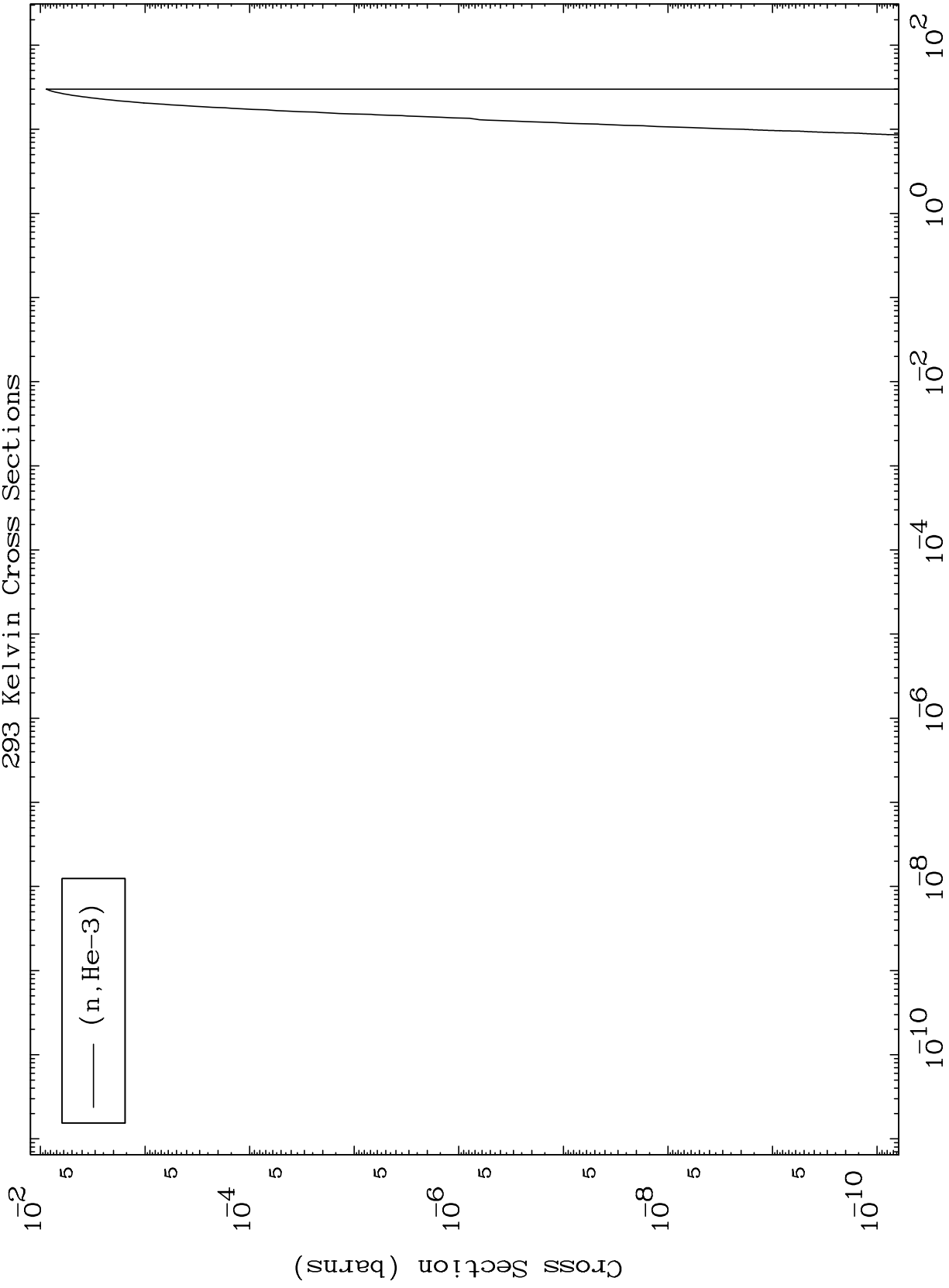
Incident Energy (MeV)

64-Gd-143

MAT 6398

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-143



12

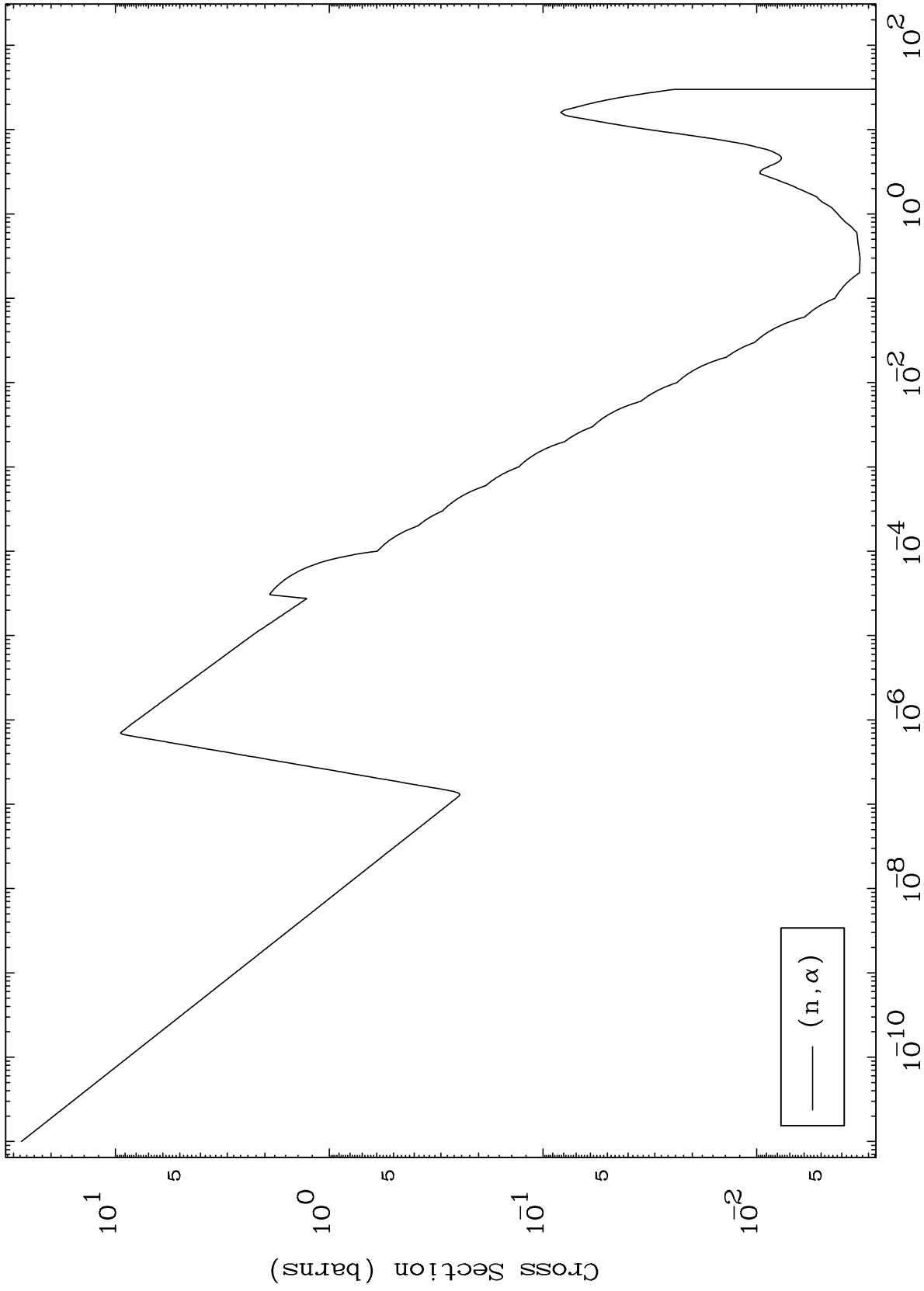
Incident Energy (MeV)

64-Gd-143

MAT 6398

(n,α) Levels
293 Kelvin Cross Sections

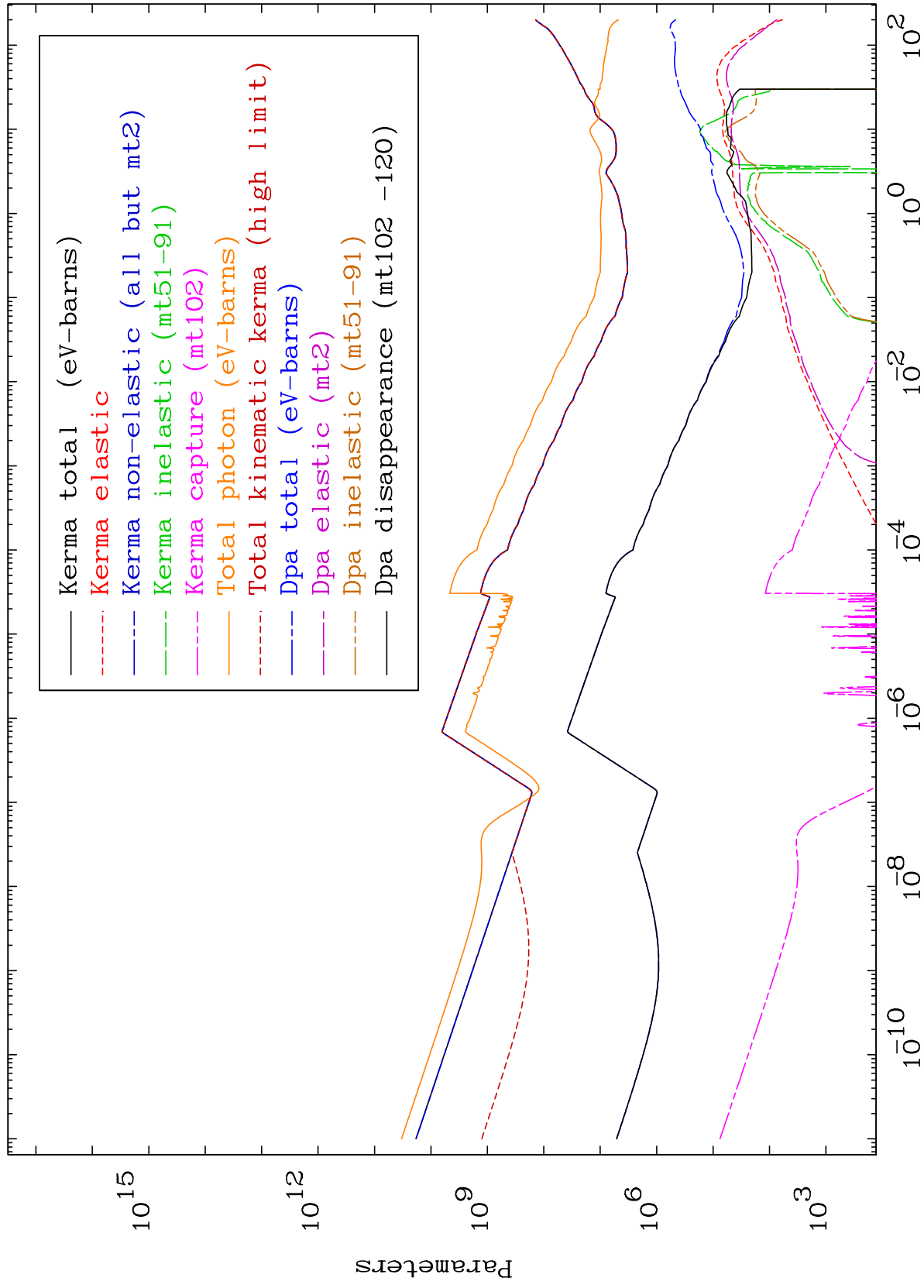
64-Gd-143



13

Incident Energy (MeV)

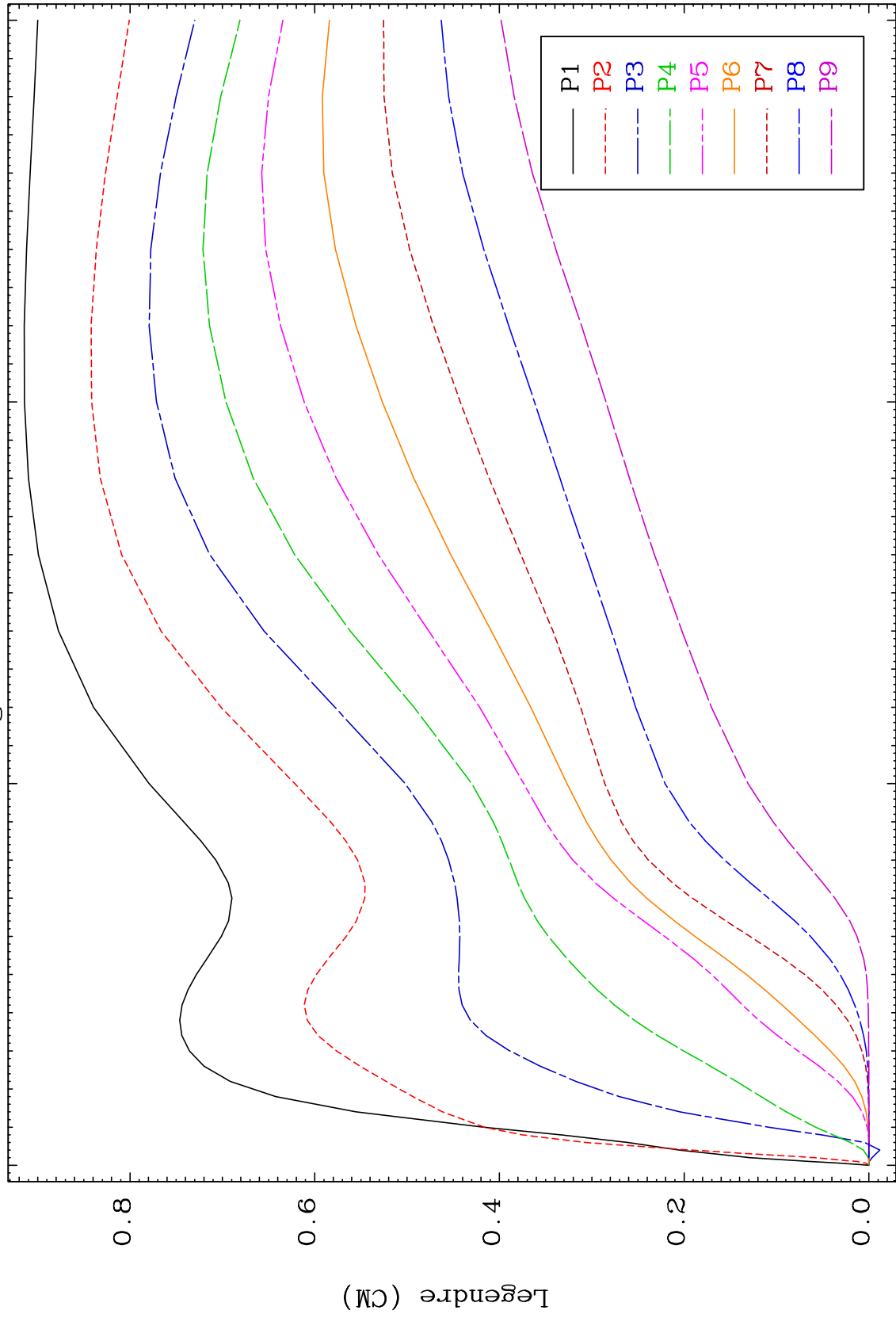
64-Gd-143



MAT 6398

Elastic Legendre Coefficients

64-Gd-143



15

Incident Energy (MeV)

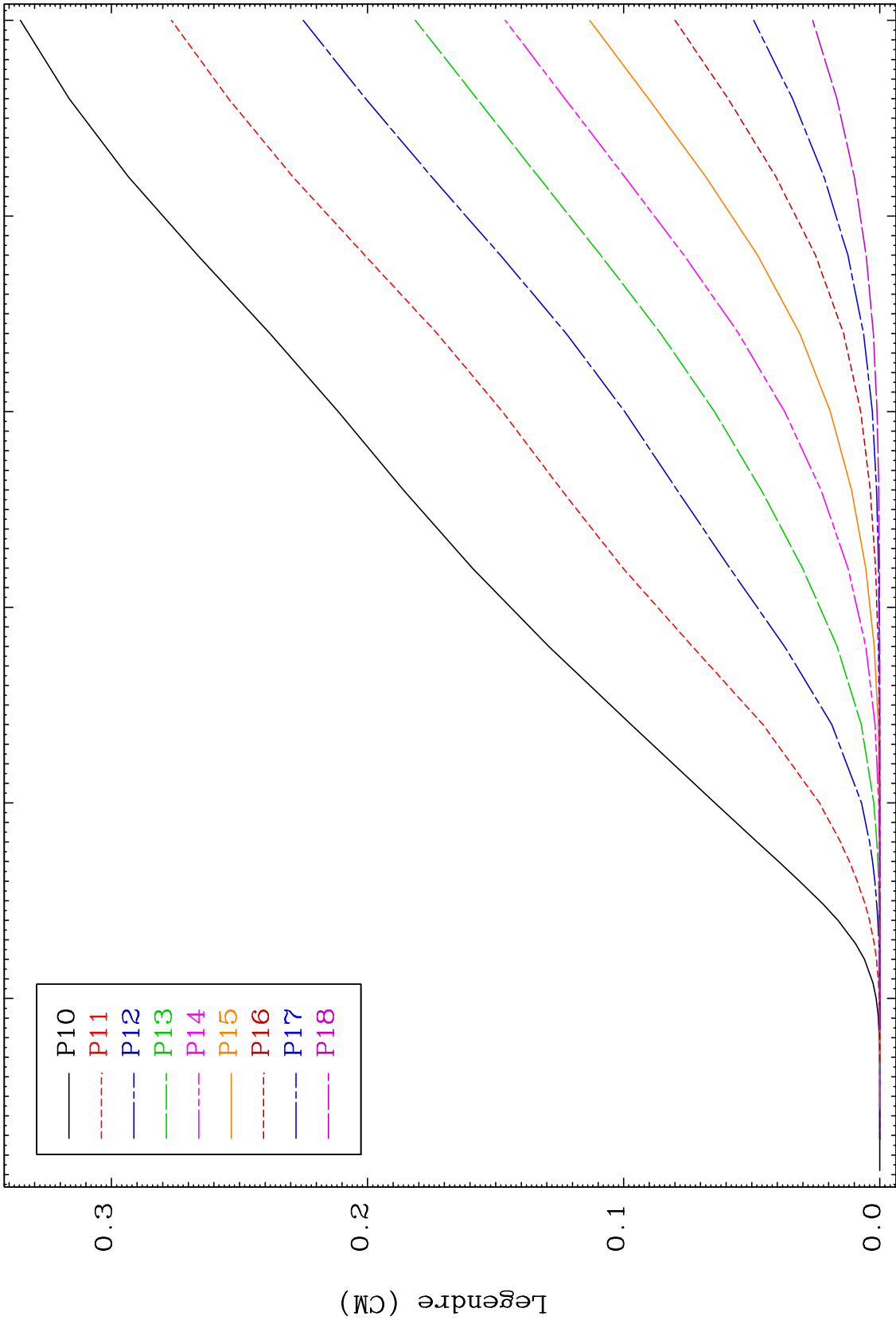
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30

MAT 6398

Elastic Legendre Coefficients

64-Gd-143



16

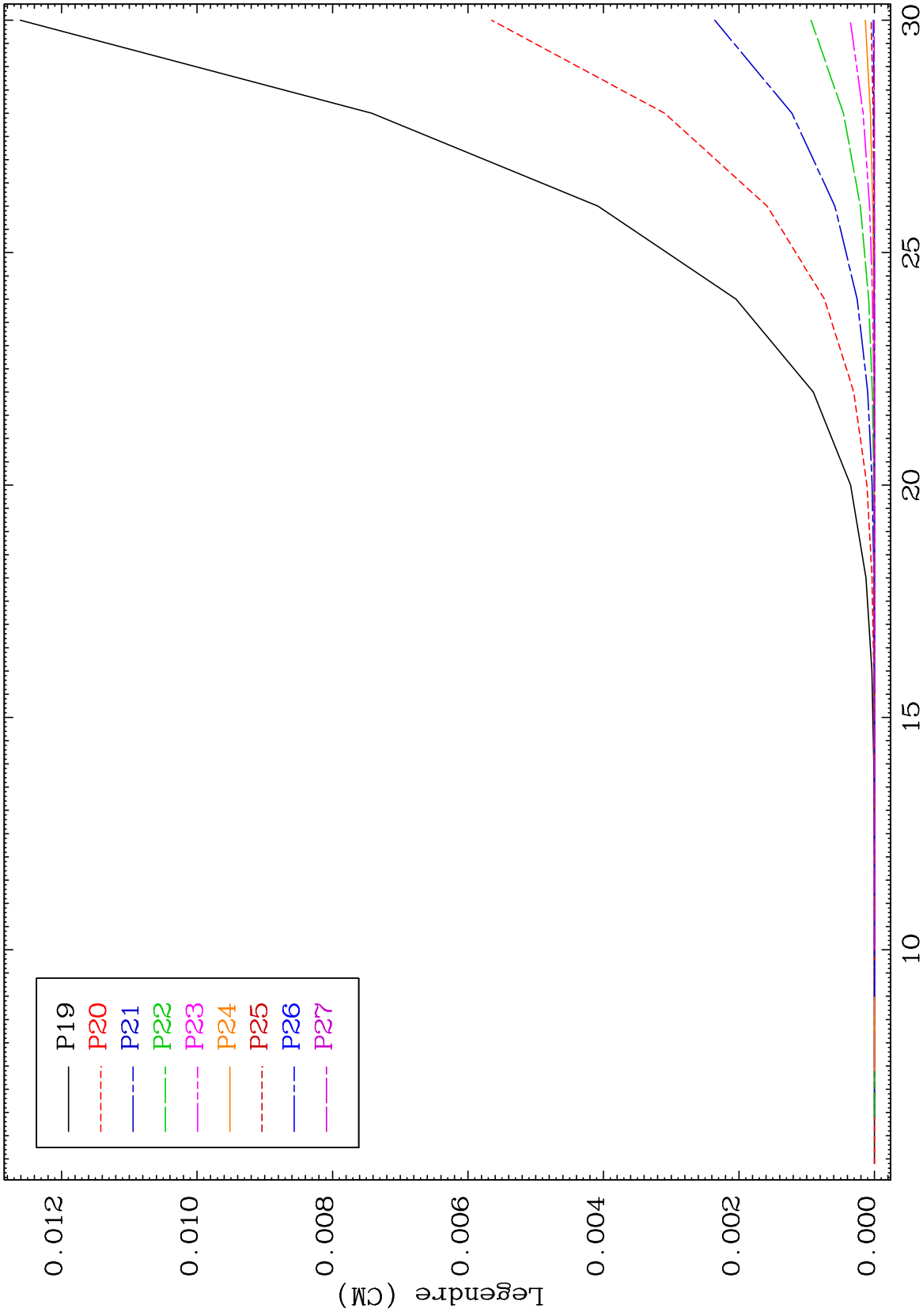
Incident Energy (MeV)

64-Gd-143

MAT 6398

Elastic Legendre Coefficients

64-Gd-143



17

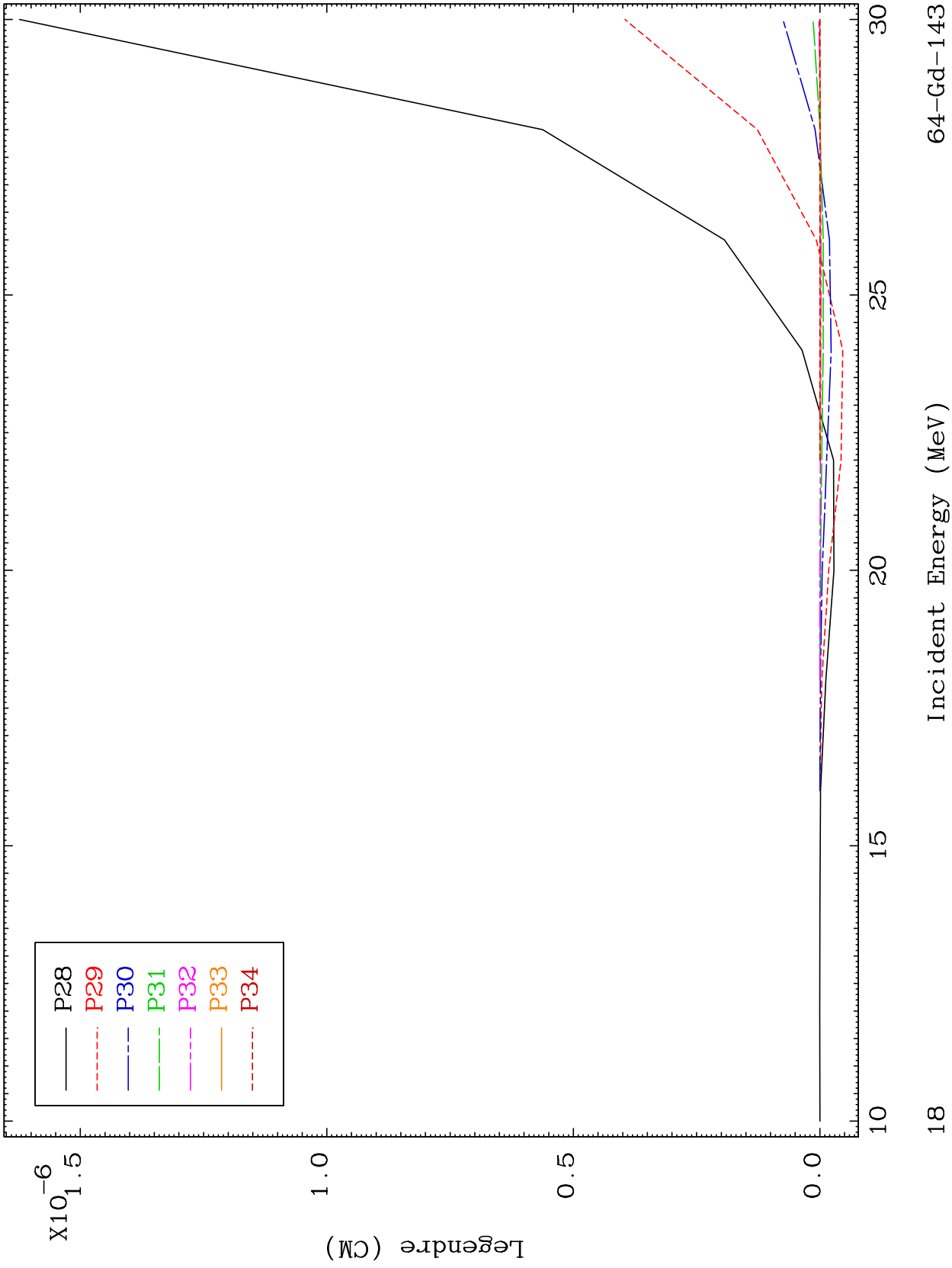
Incident Energy (MeV)

64-Gd-143

MAT 6398

Elastic Legendre Coefficients

64-Gd-143



18

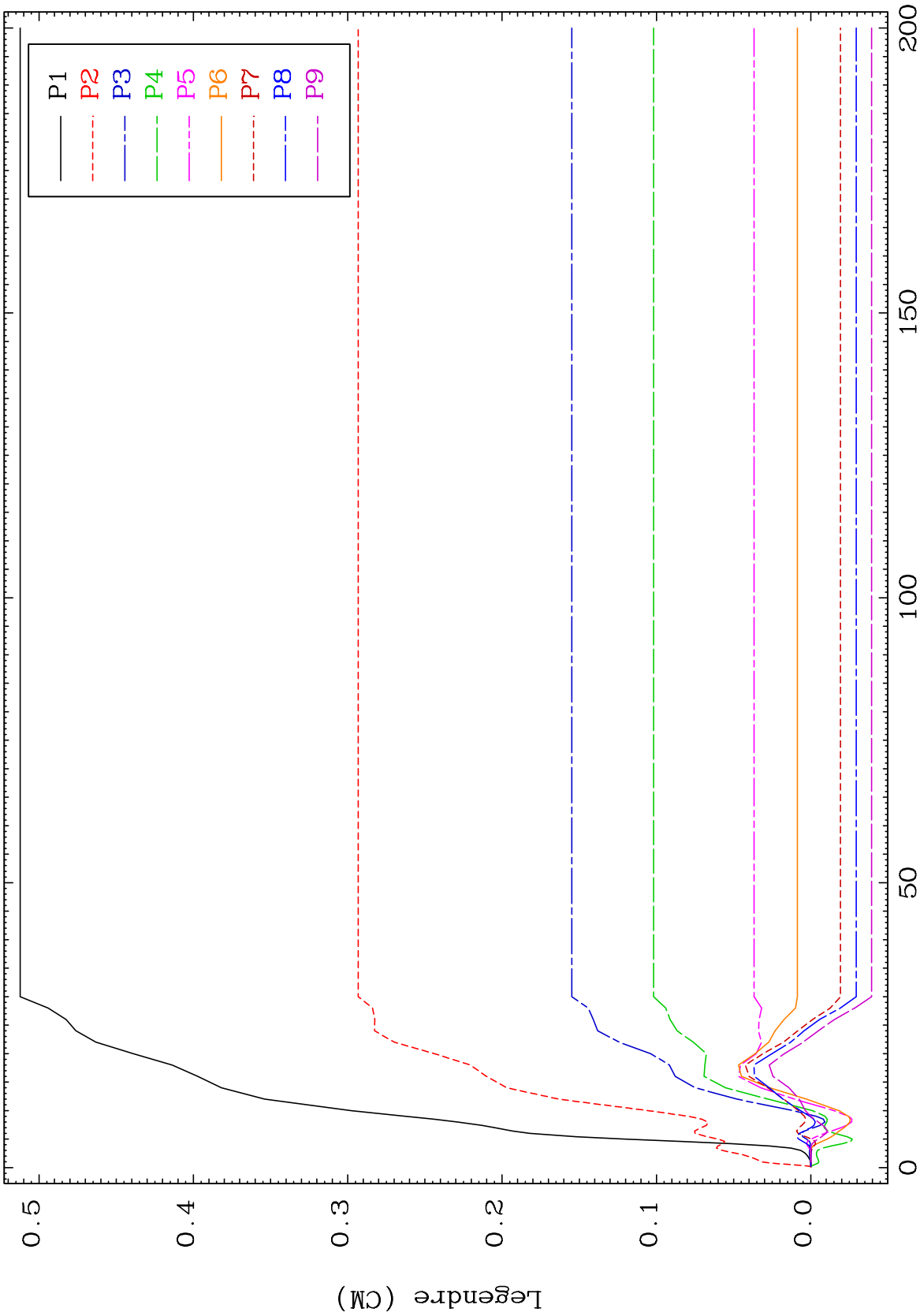
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



19

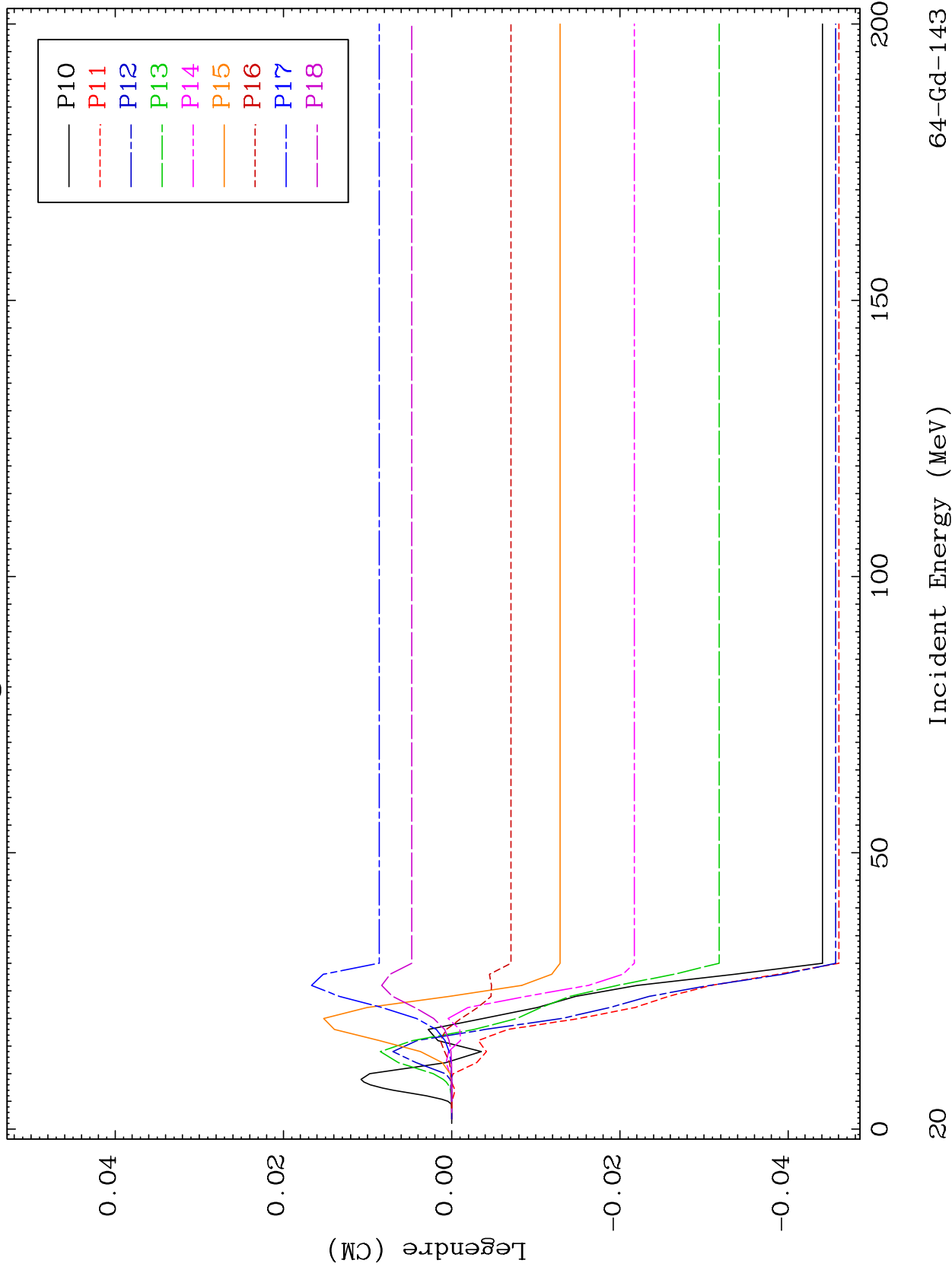
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

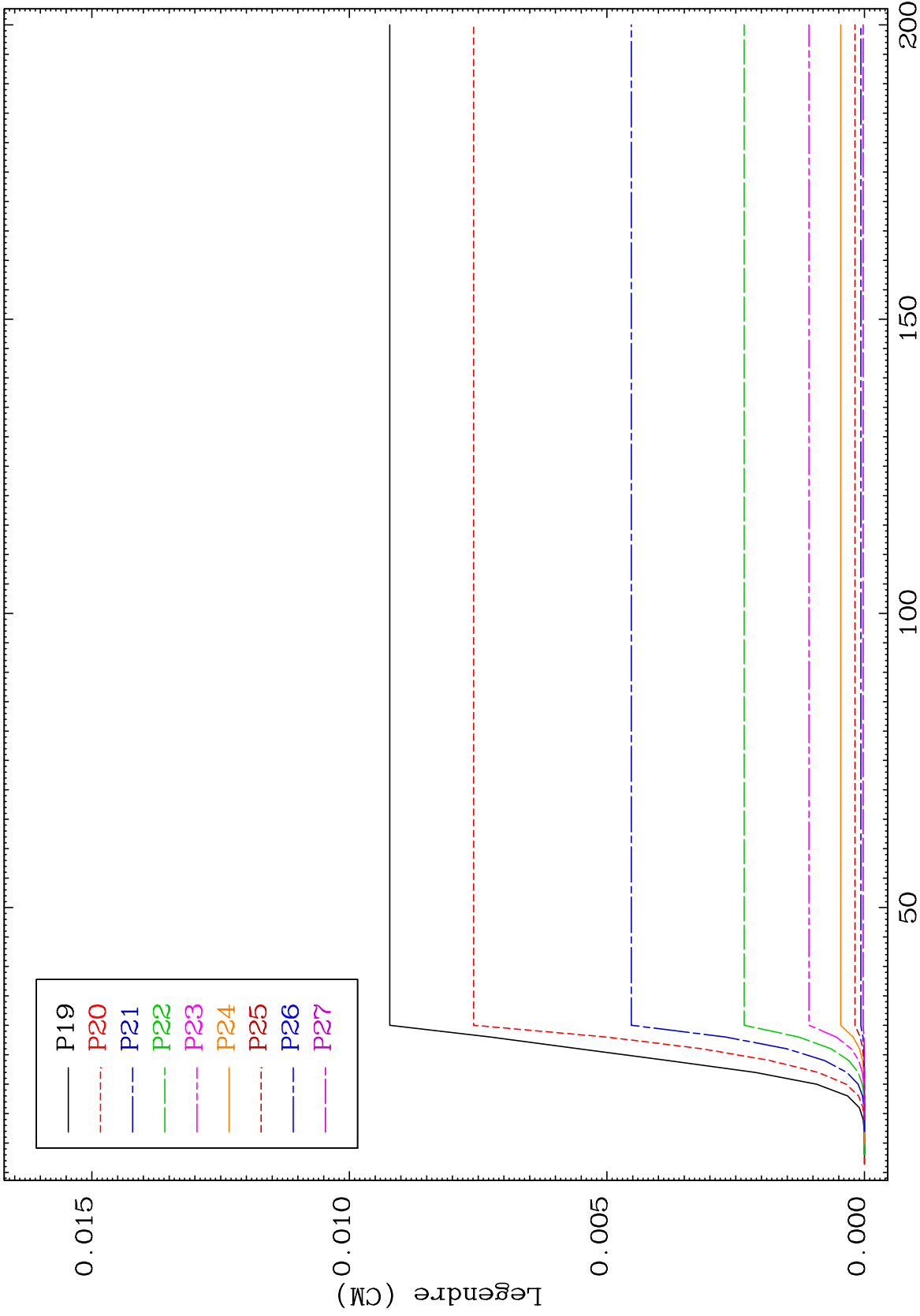
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MAT 6398

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

64-Gd-143



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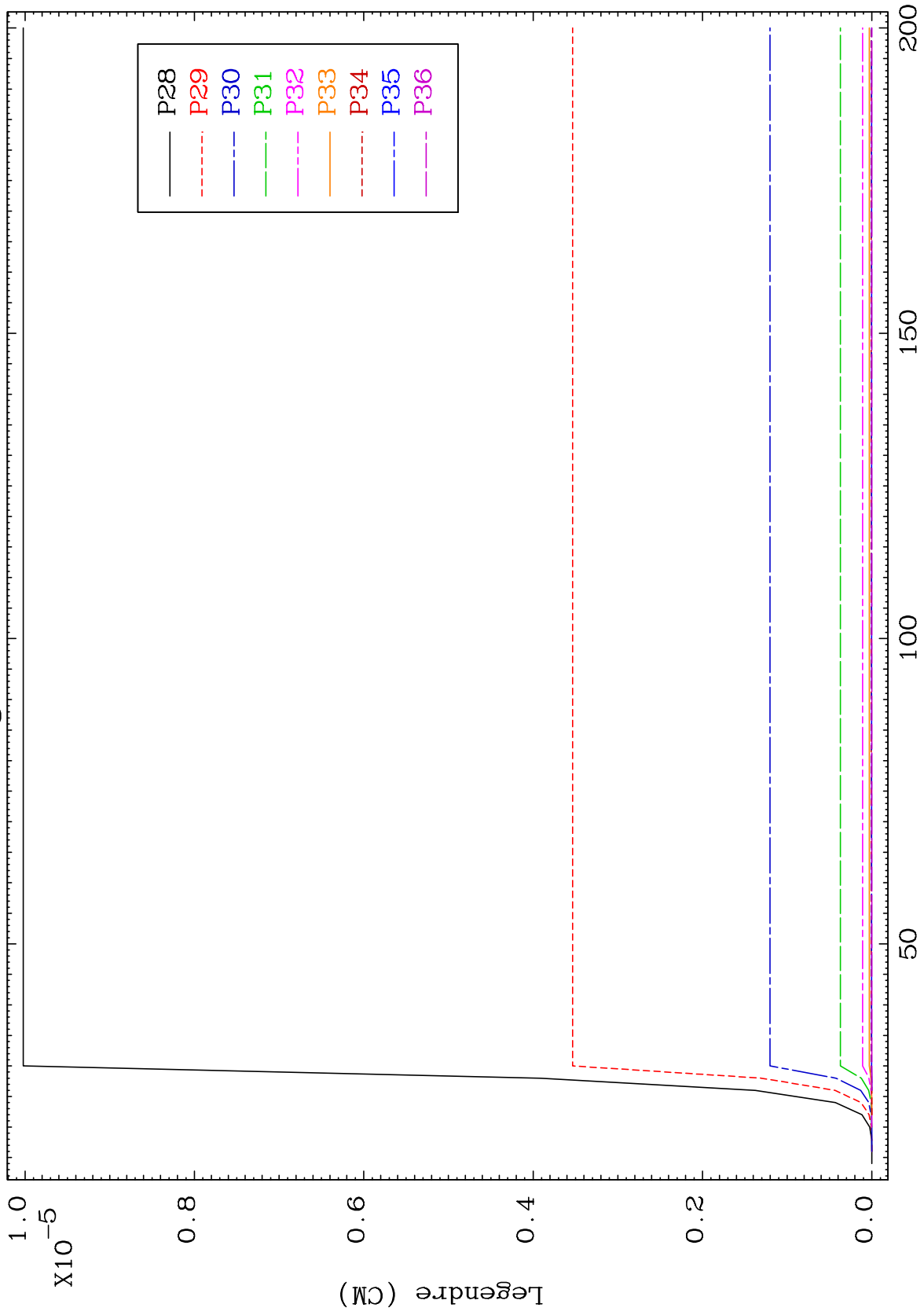
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



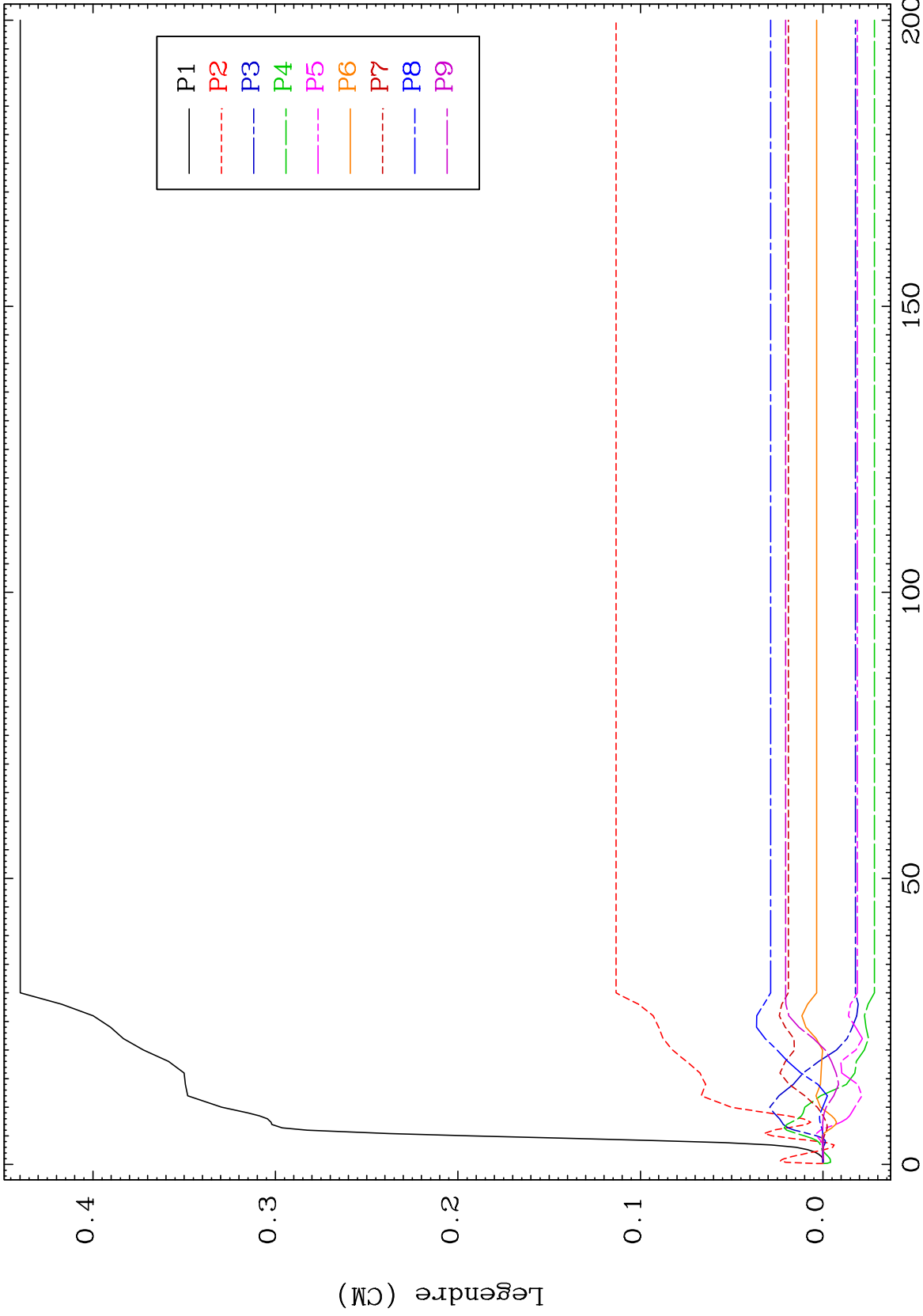
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64-Gd-143

MAT 6398

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

64-Gd-143



23

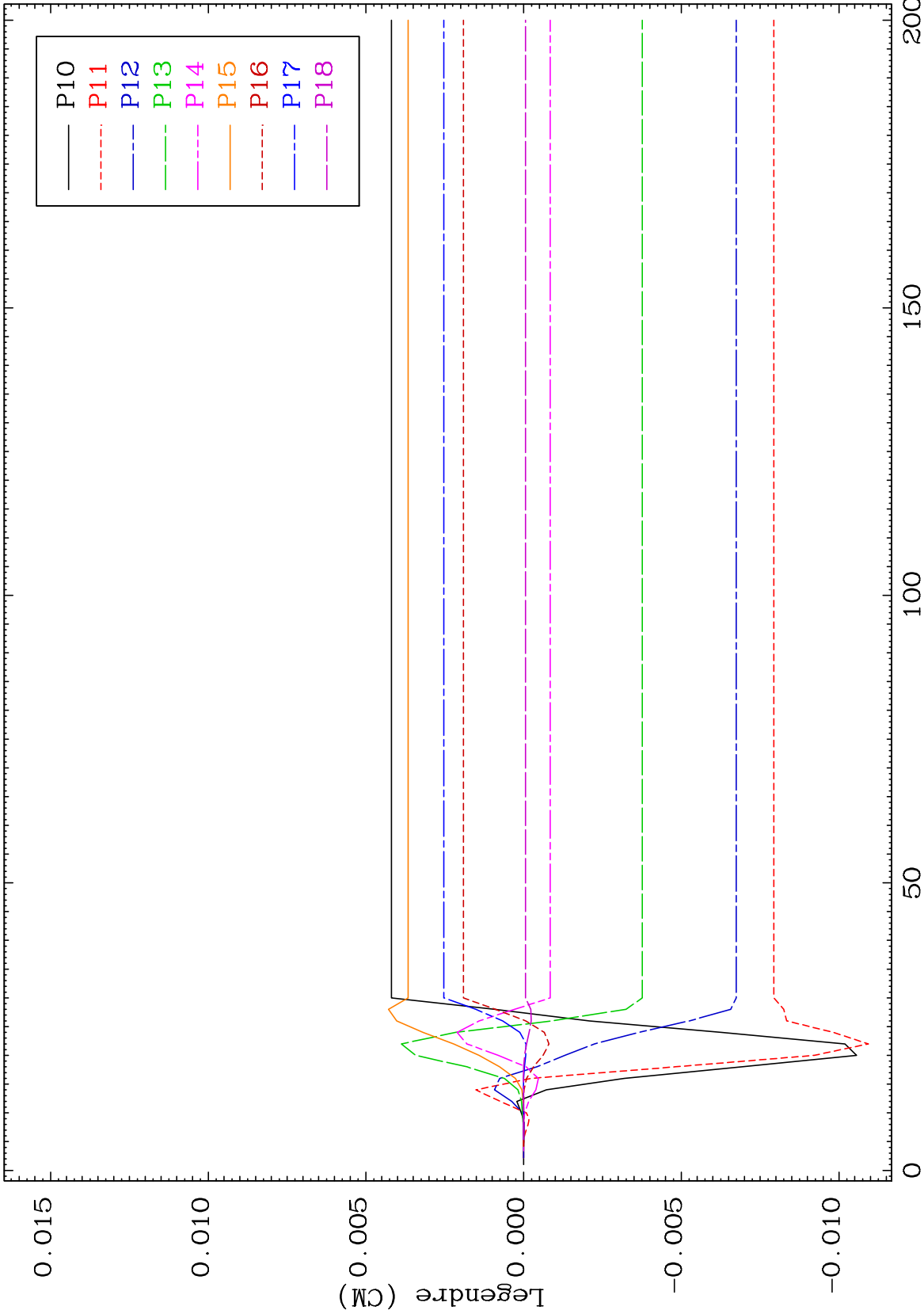
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

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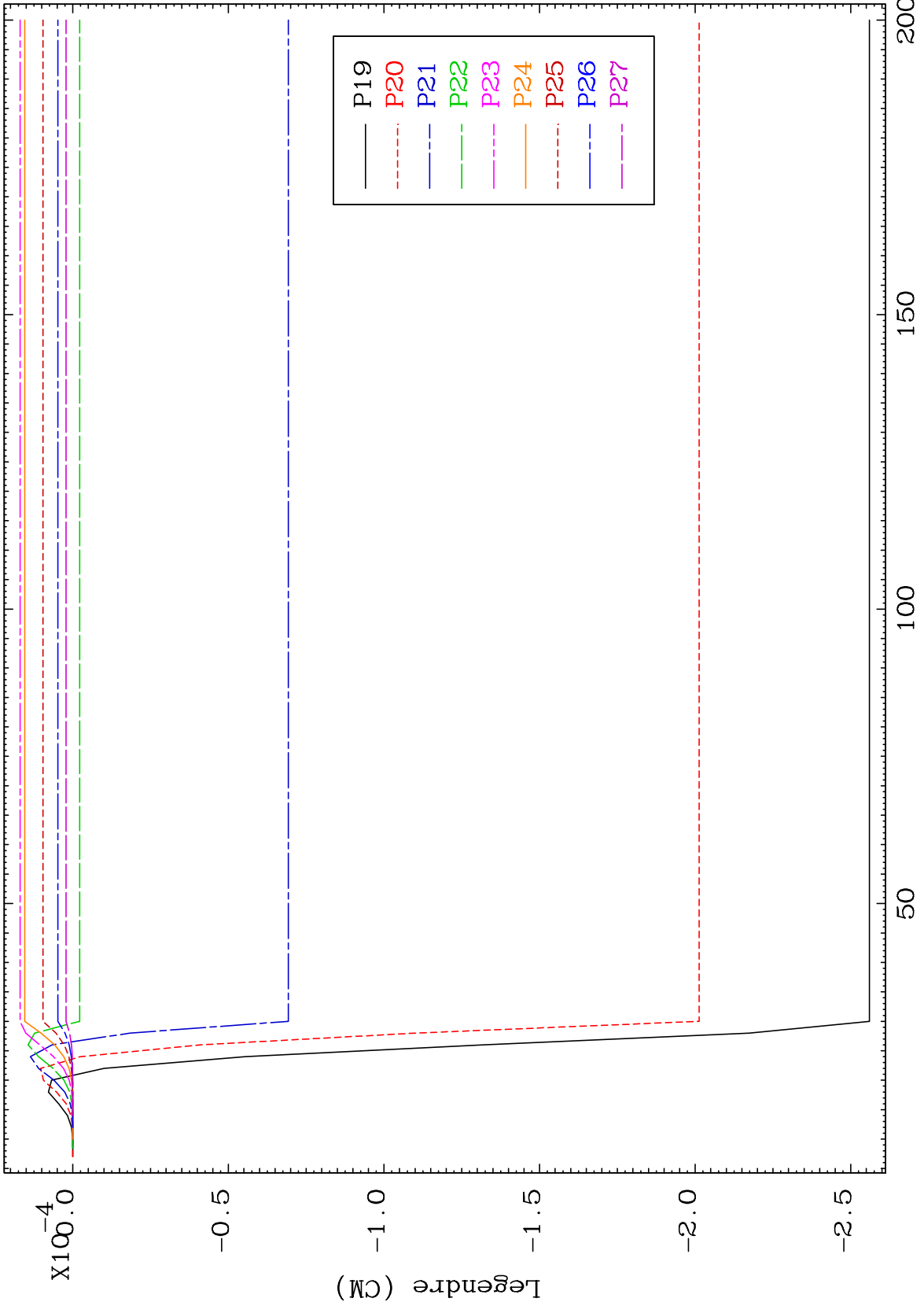


24

Incident Energy (MeV)

64-Gd-143

MAT 6398 MT= 52 (n,n') Level Legendre Coefficients 64-Gd-143

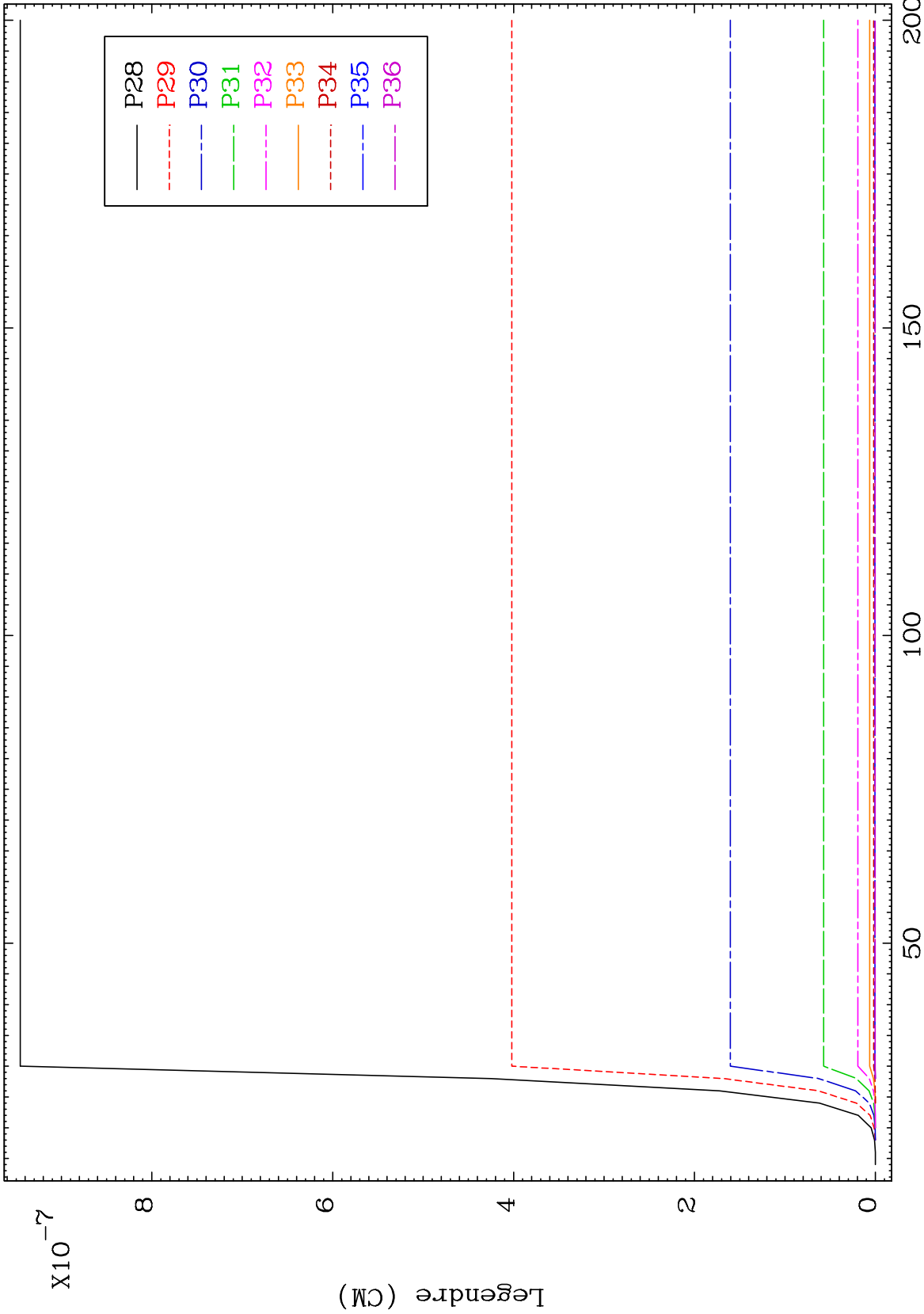


25 Incident Energy (MeV) 64-Gd-143

MAT 6398

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

64-Gd-143



26

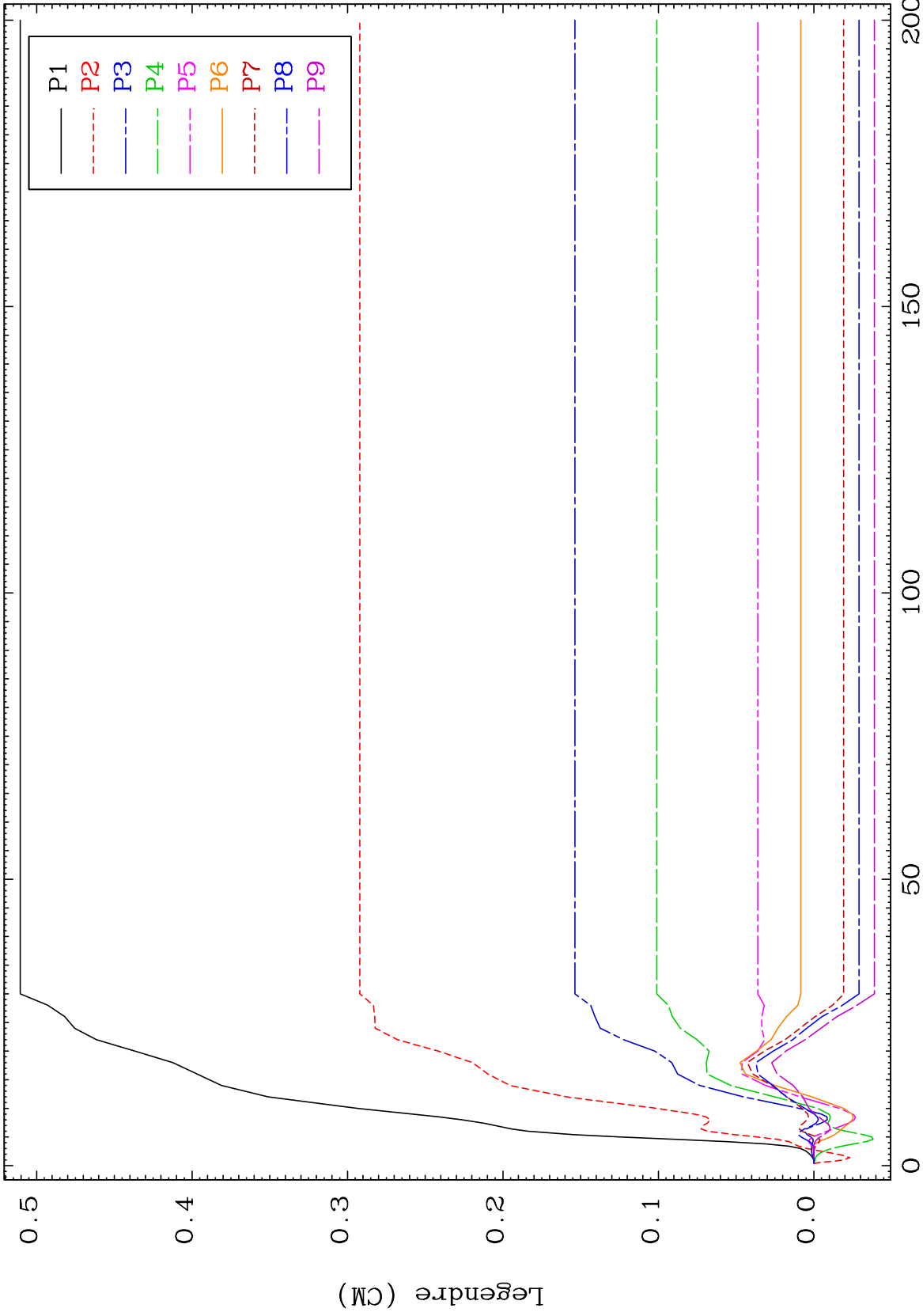
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



27

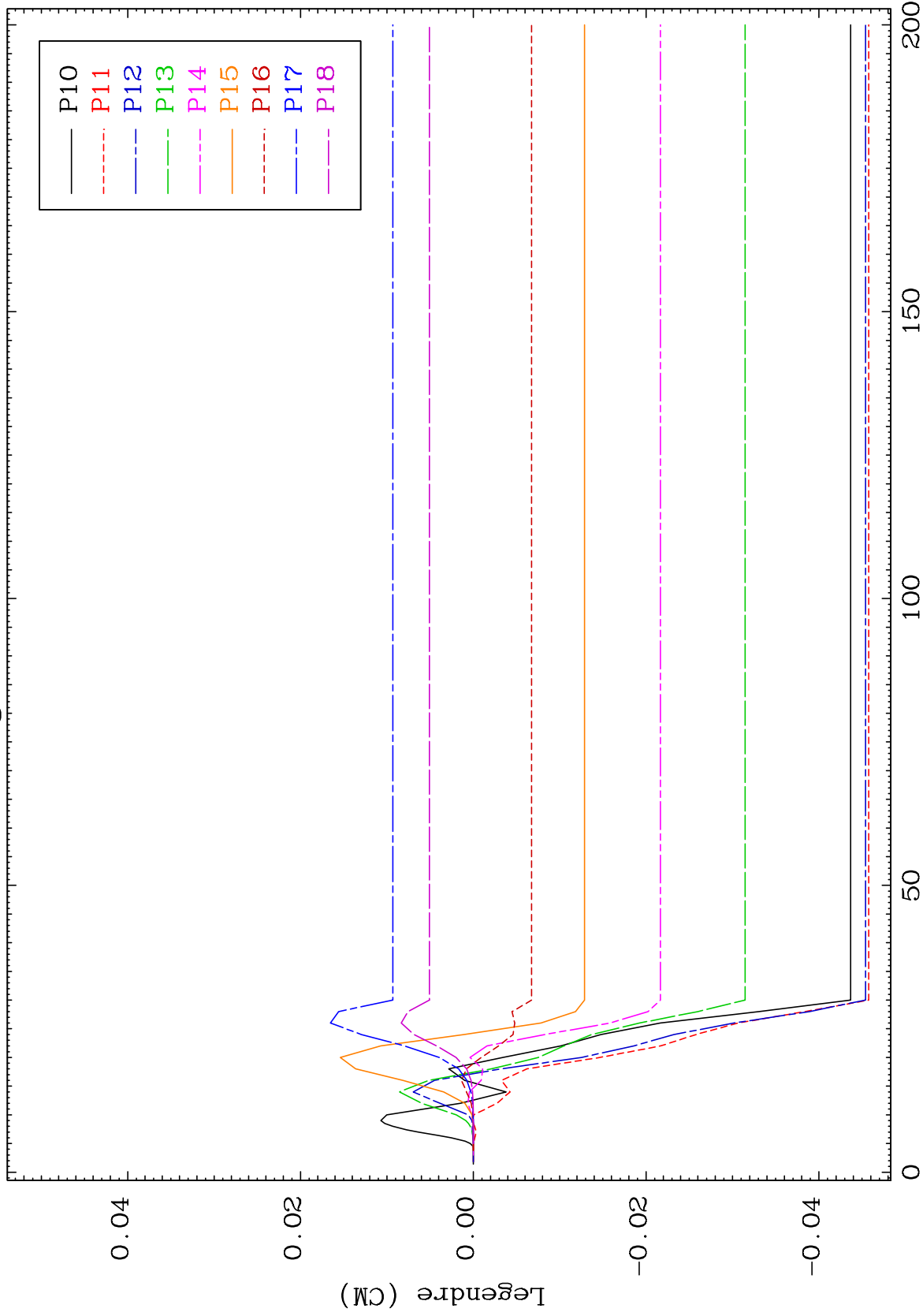
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64-Gd-143

MAT 6398

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

64-Gd-143



28

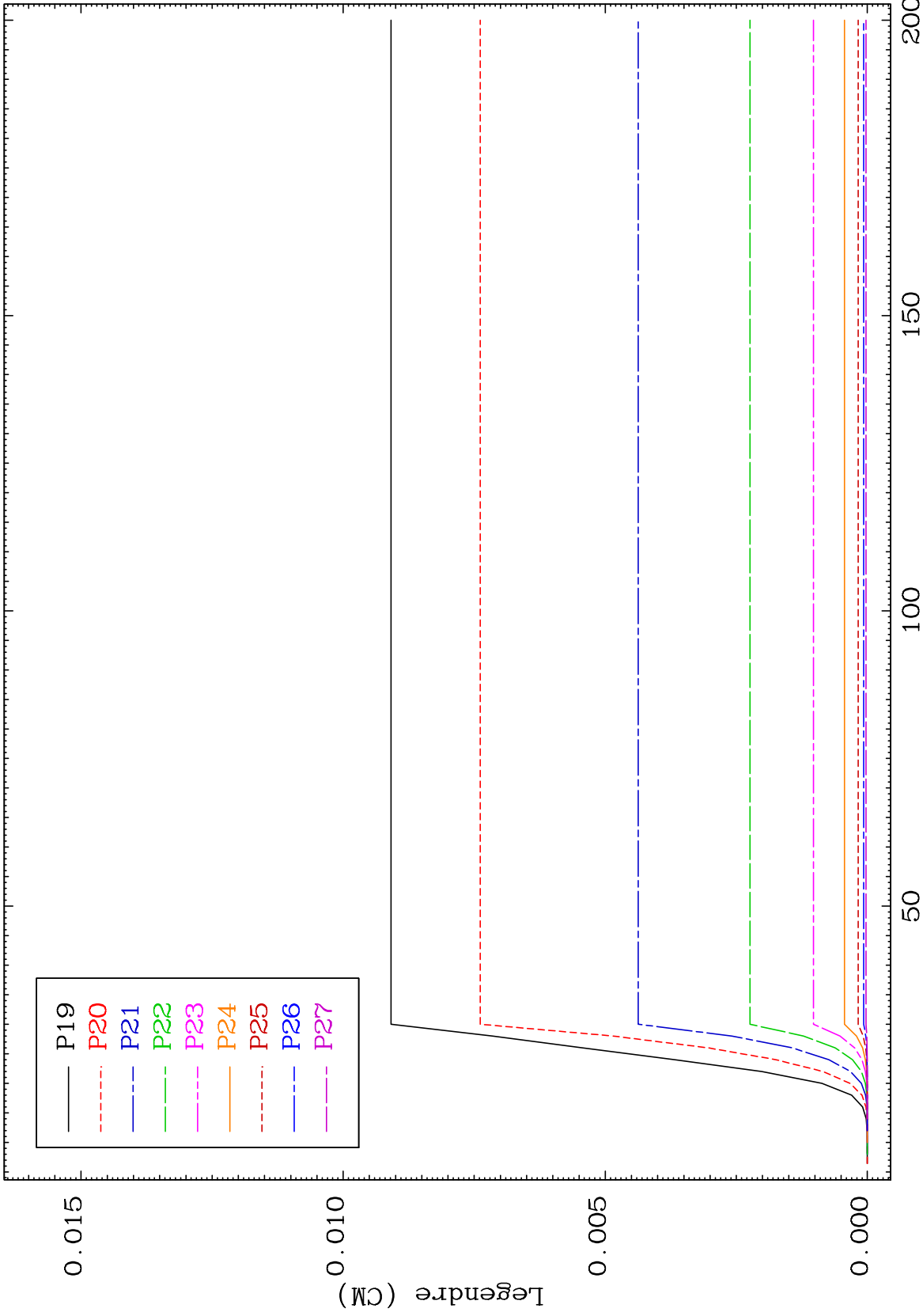
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



29

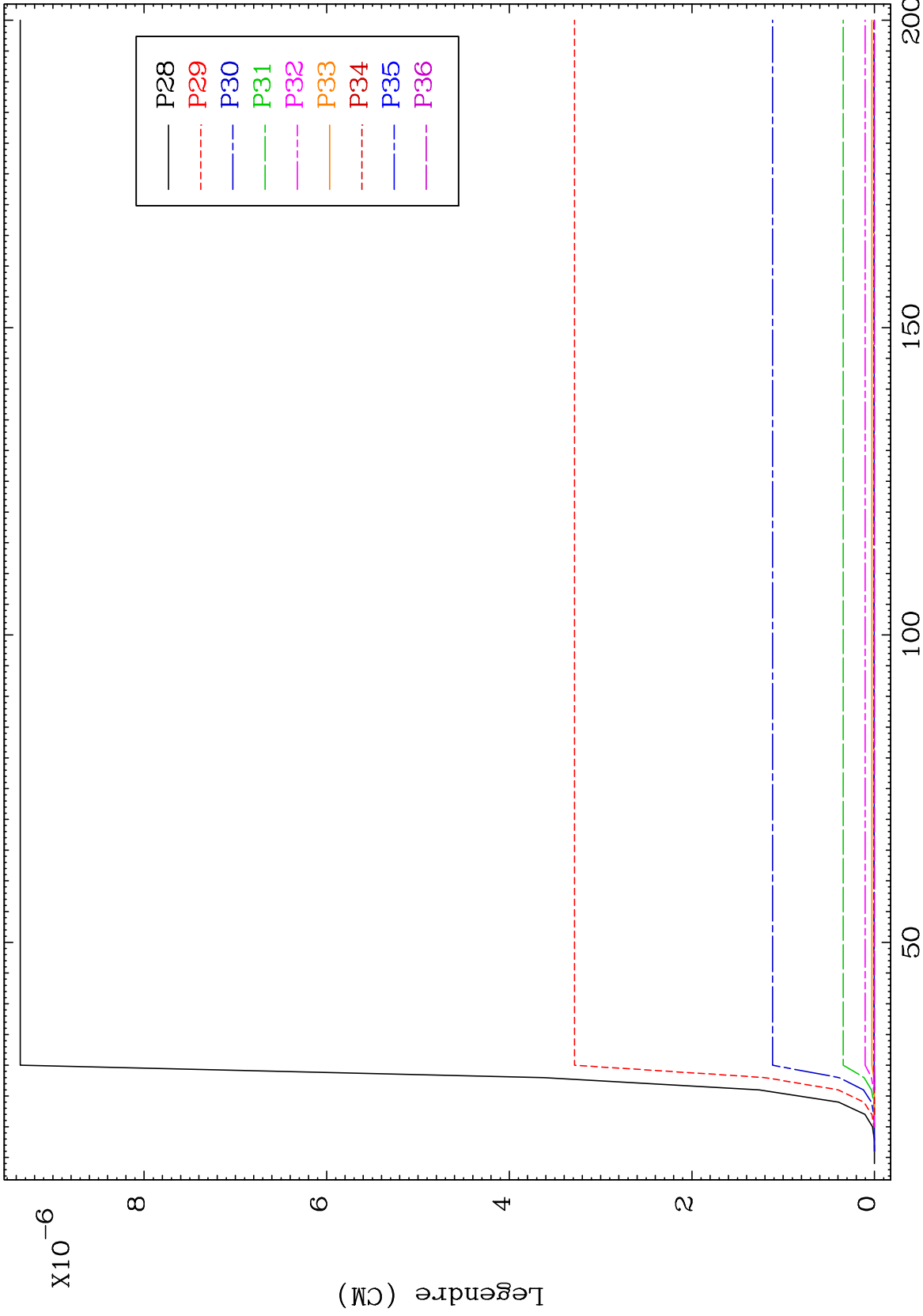
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



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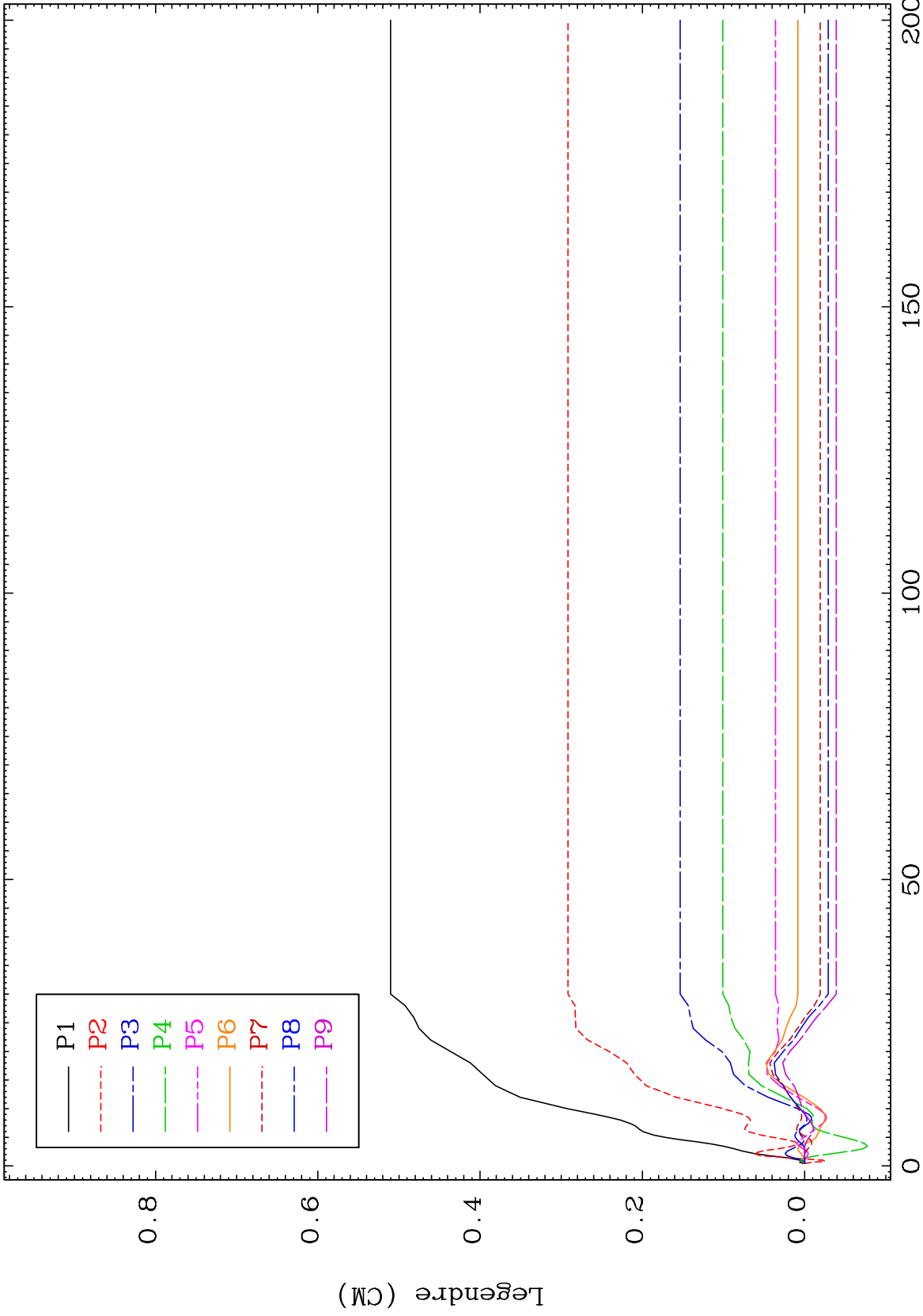
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



31

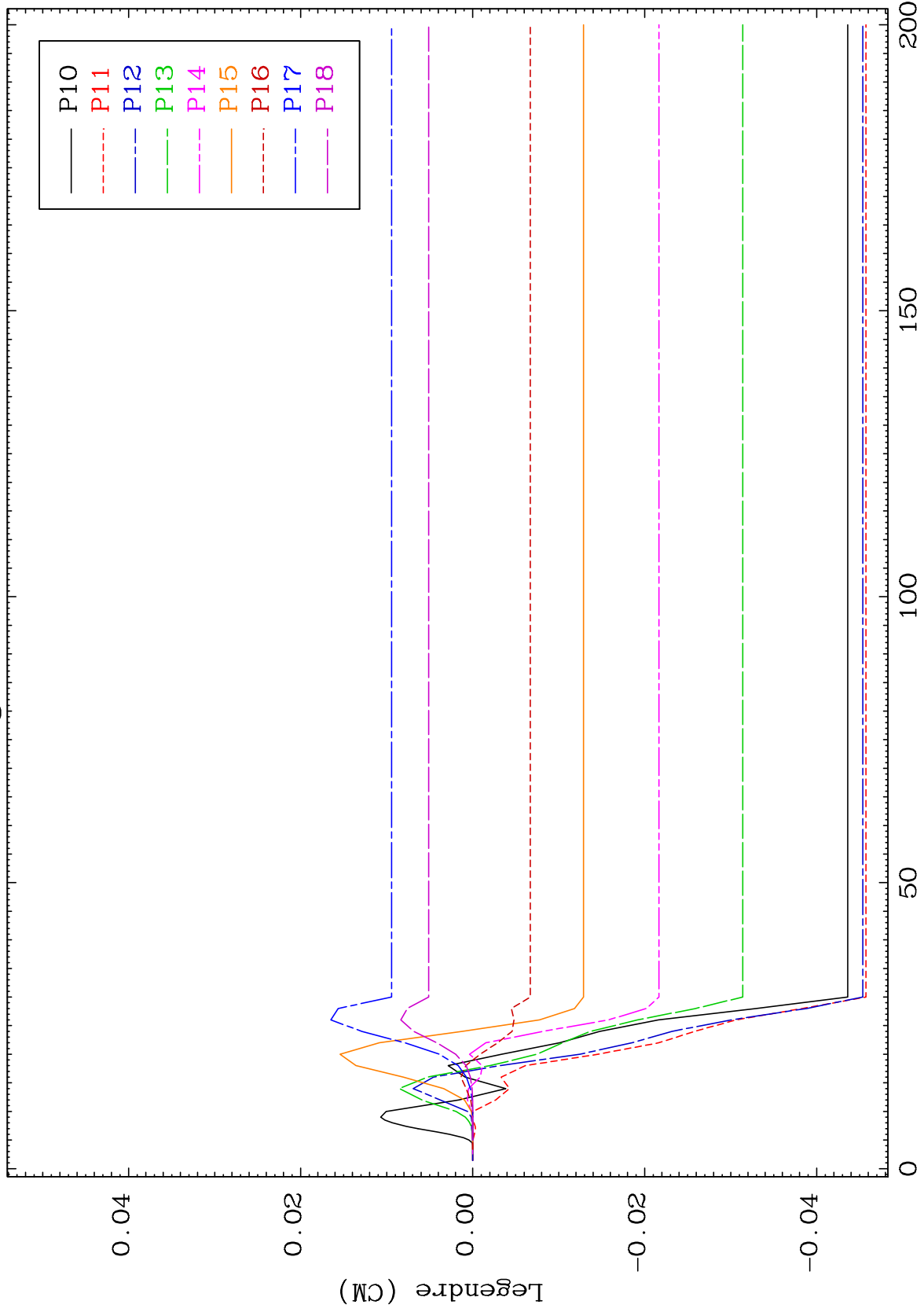
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



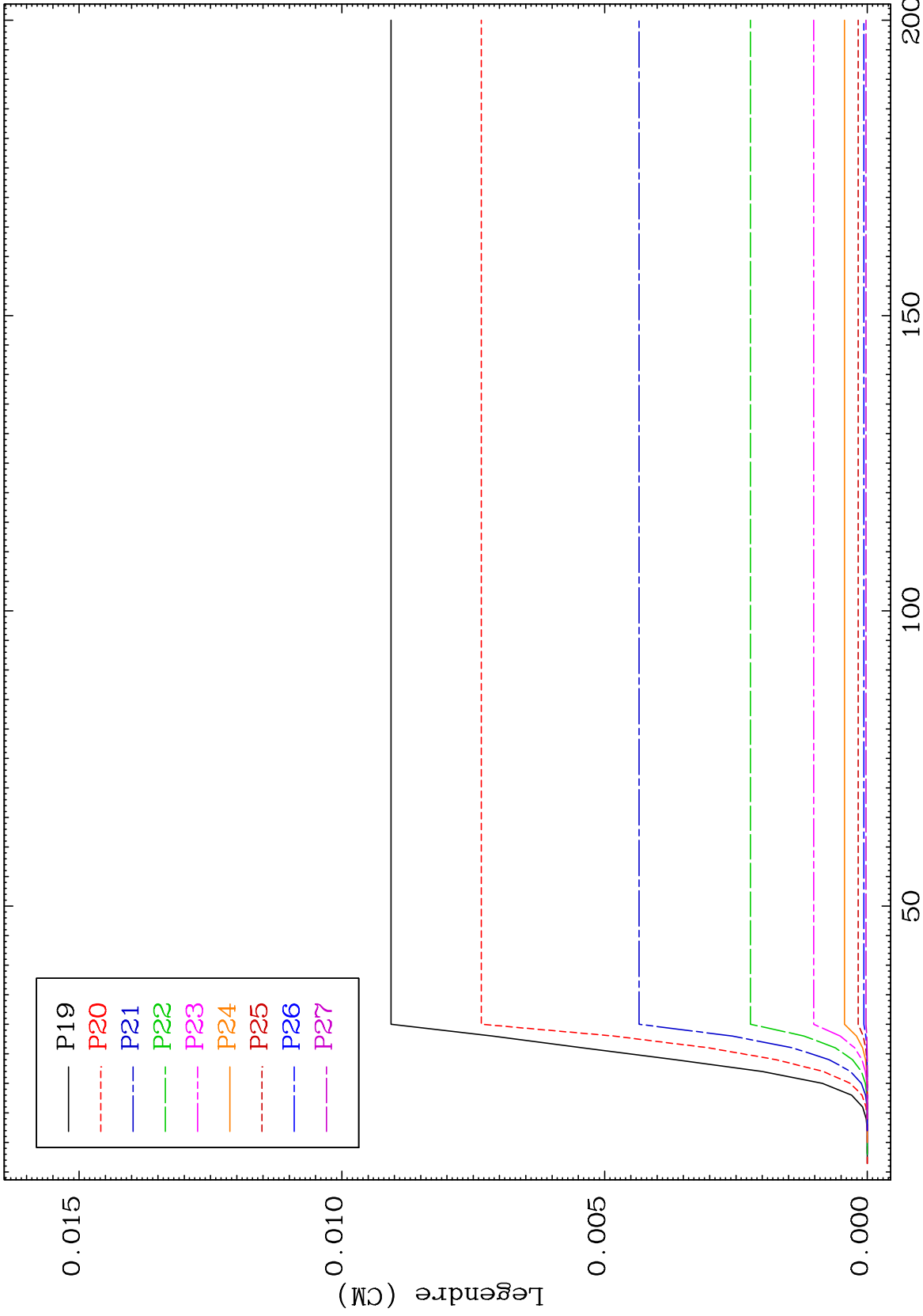
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64-Gd-143

MAT 6398

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

64-Gd-143



33

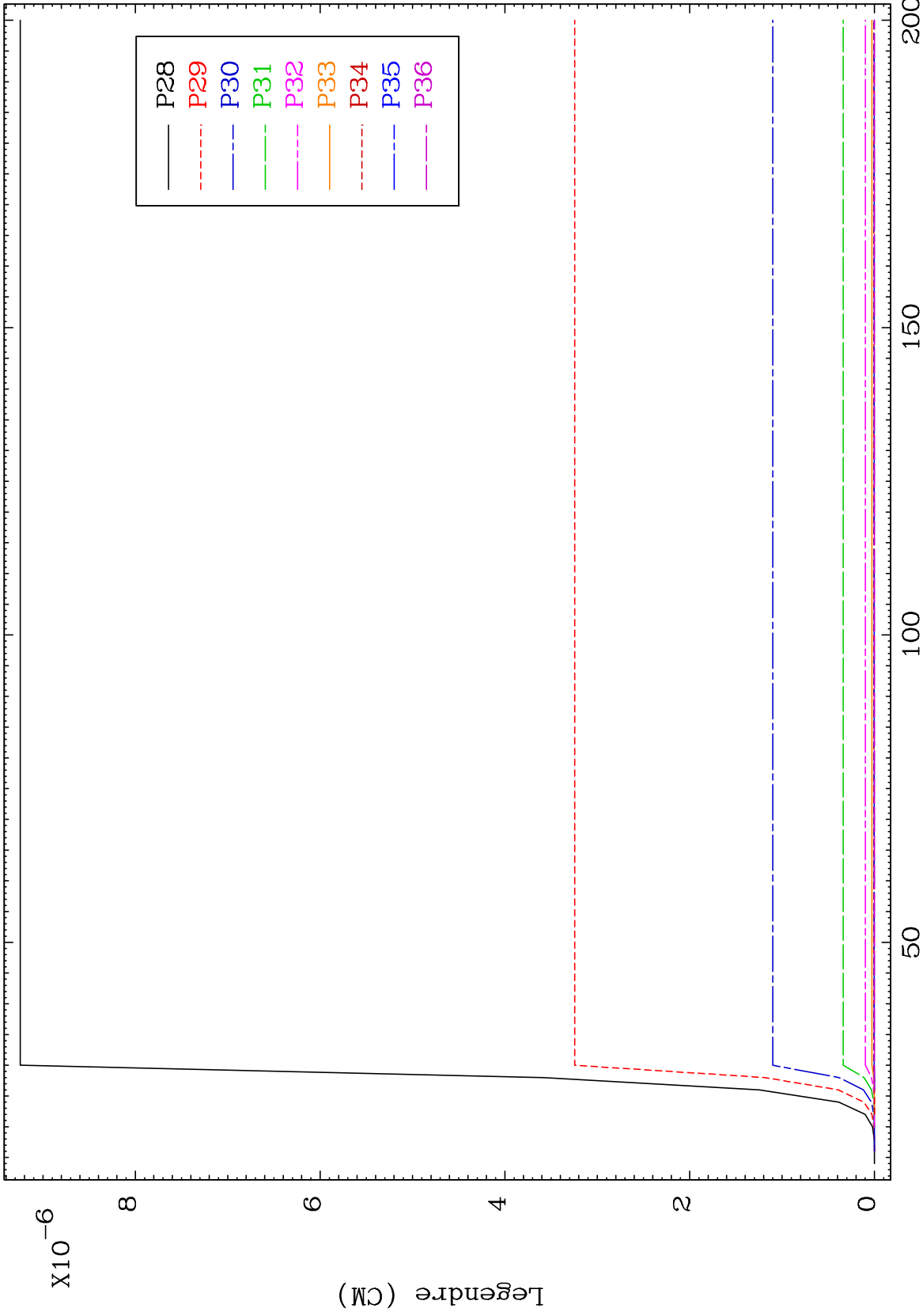
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



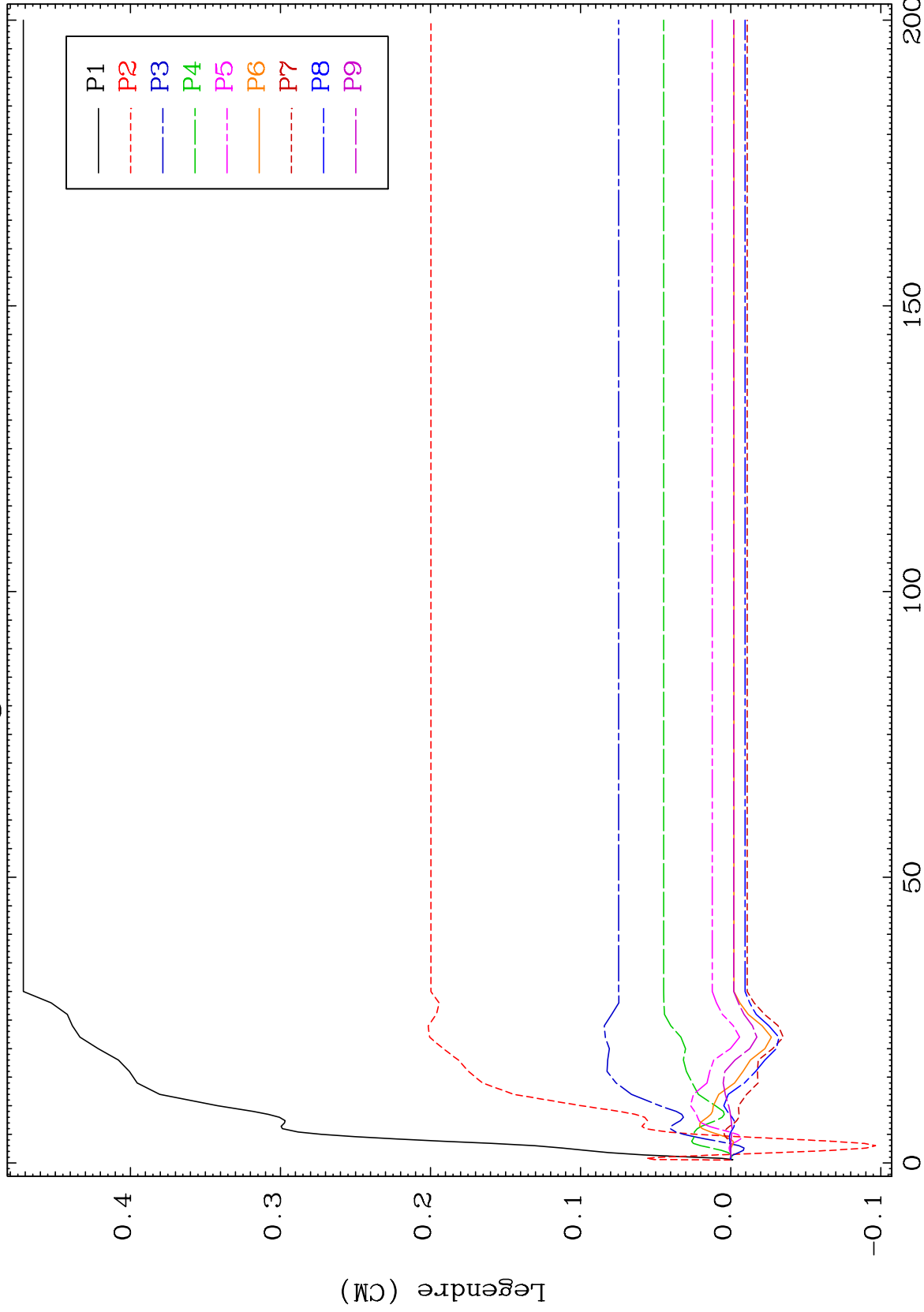
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64-Gd-143

MAT 6398

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

64-Gd-143



35

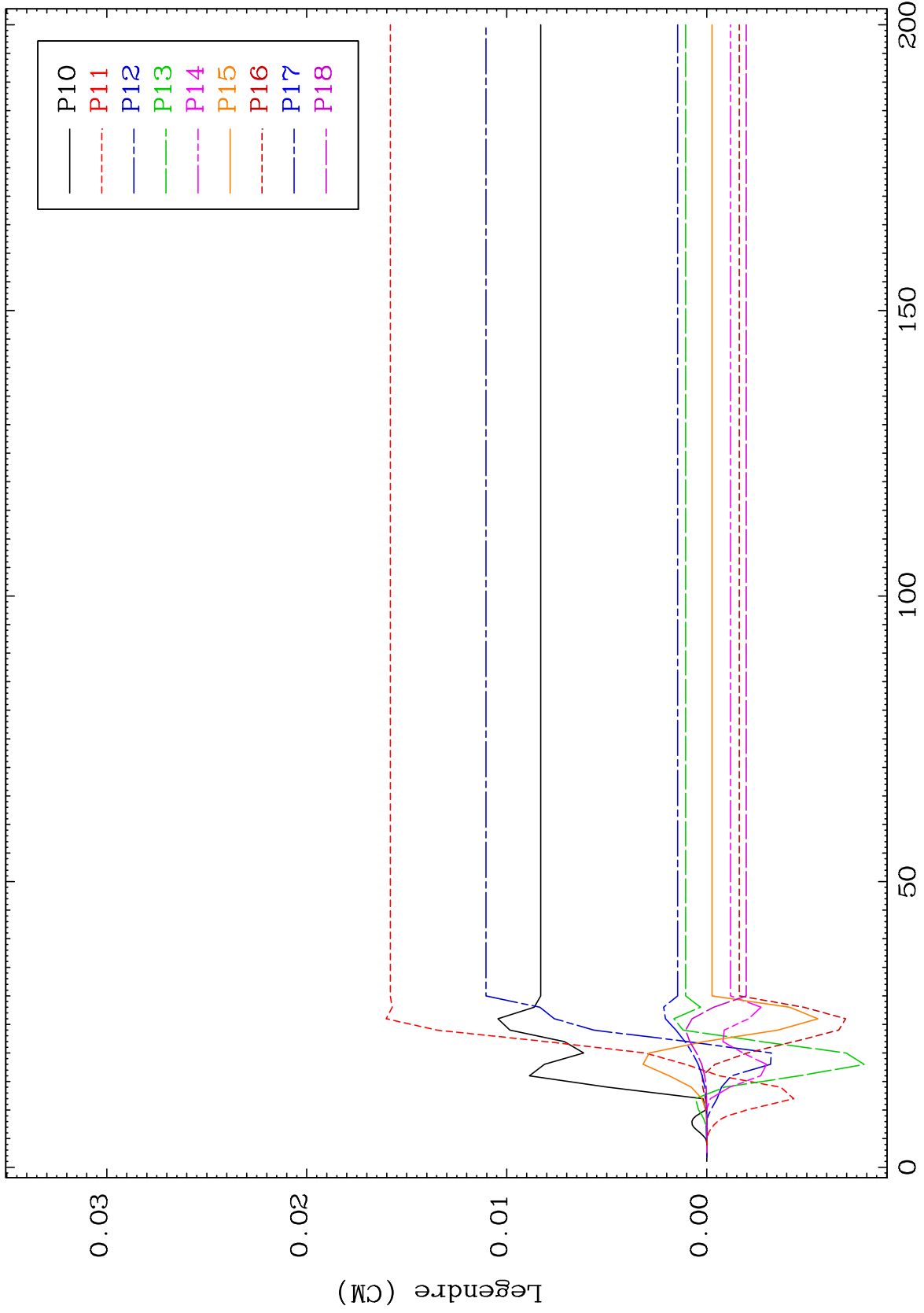
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



36

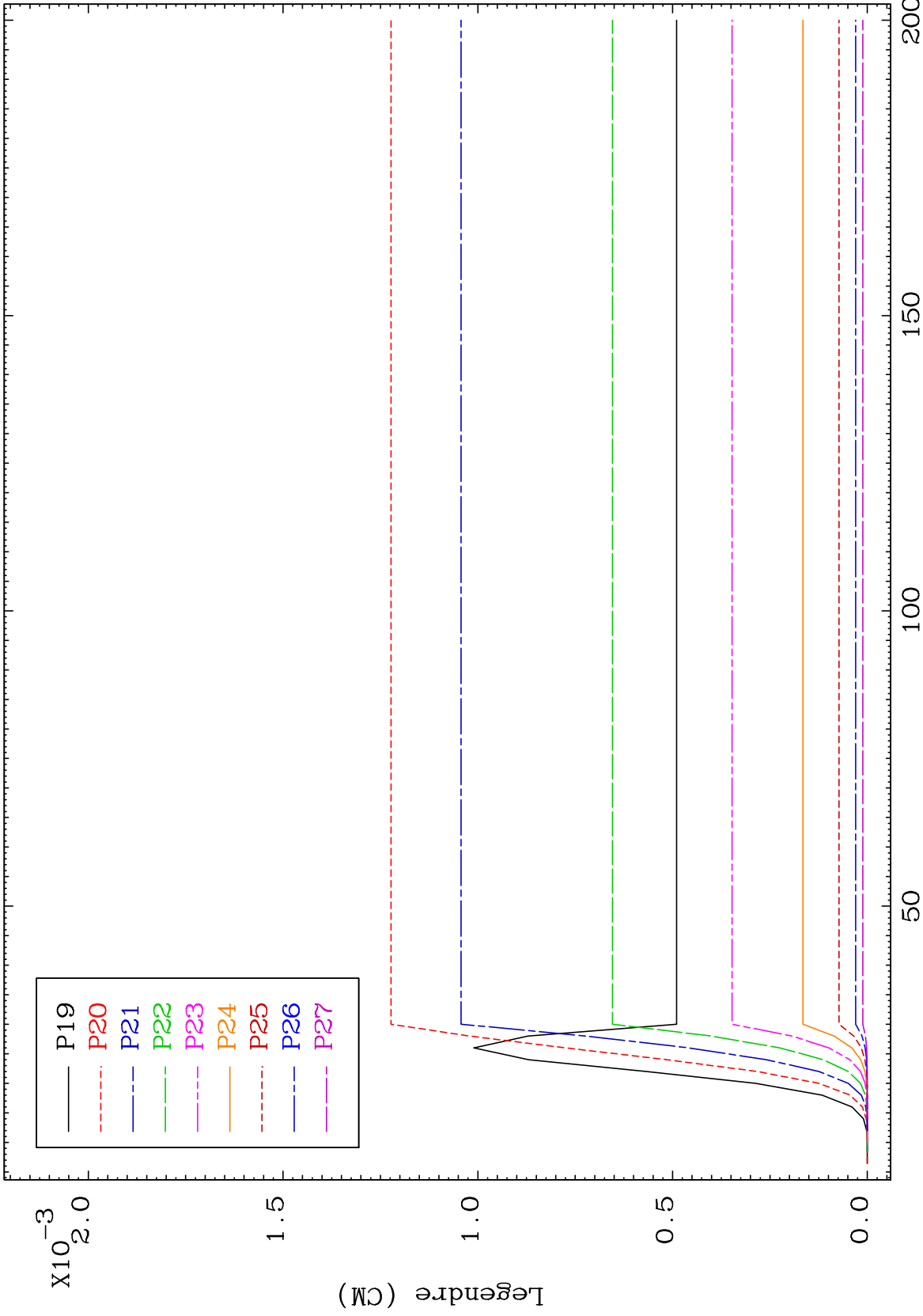
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



37

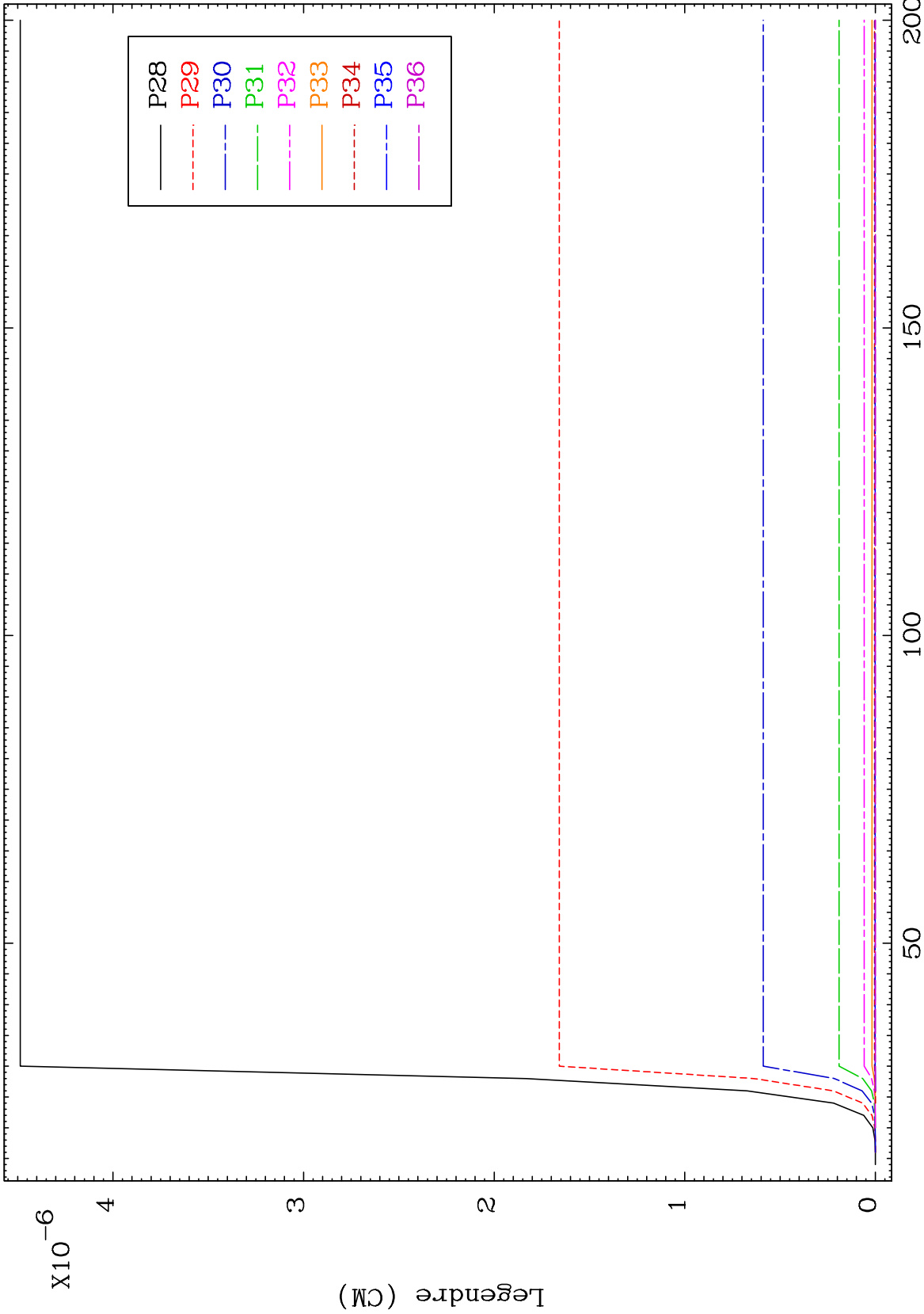
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



38

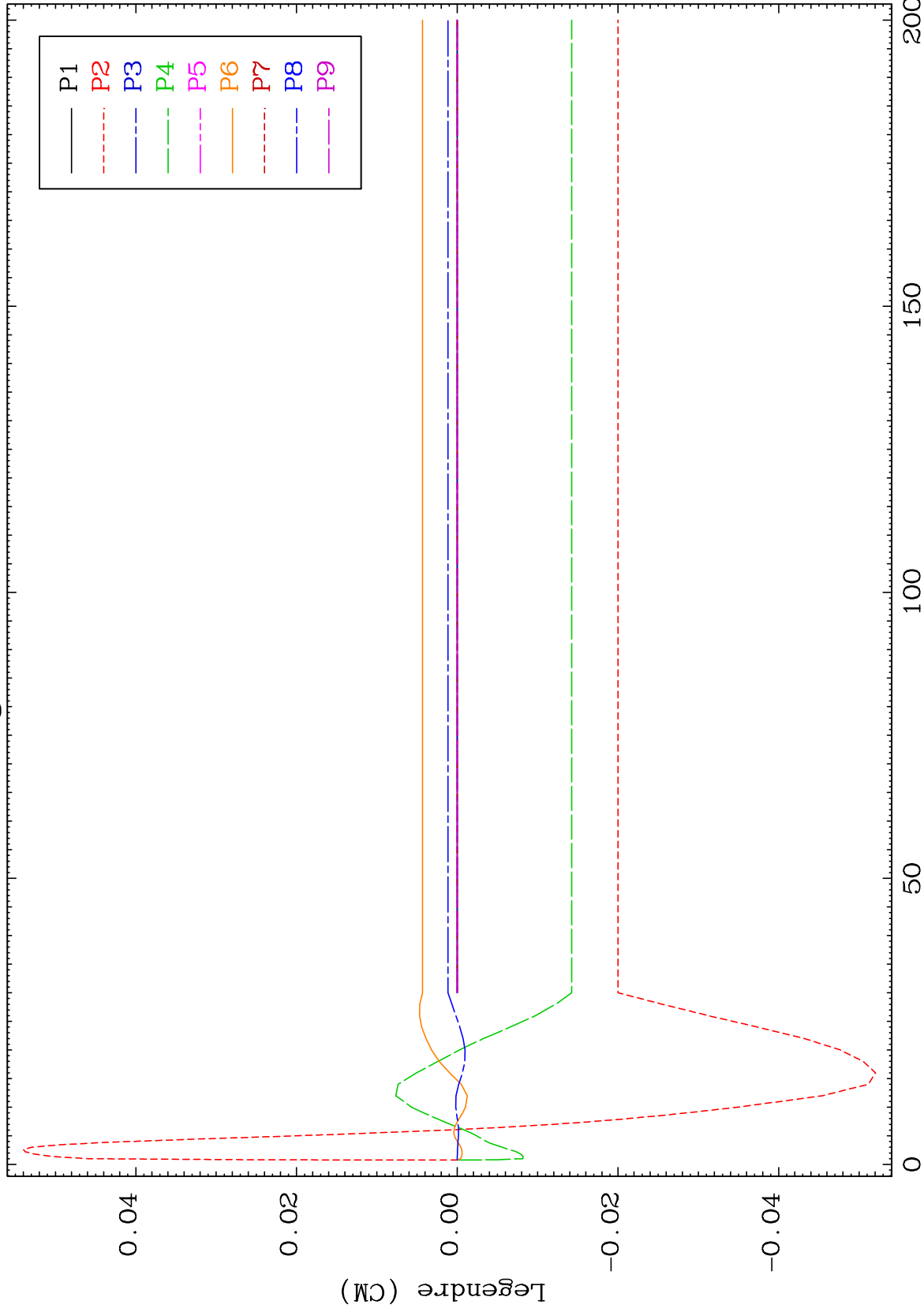
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



39

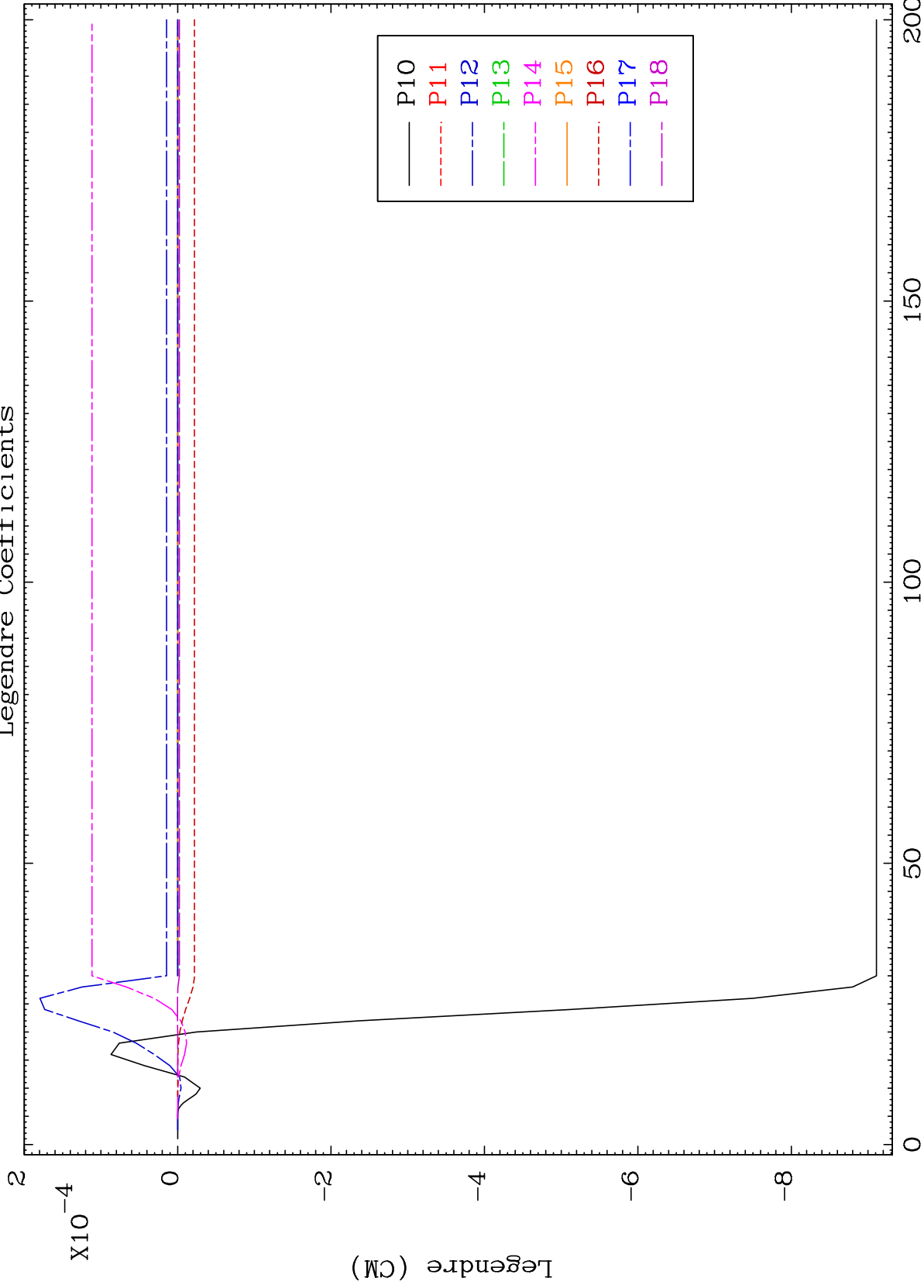
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143

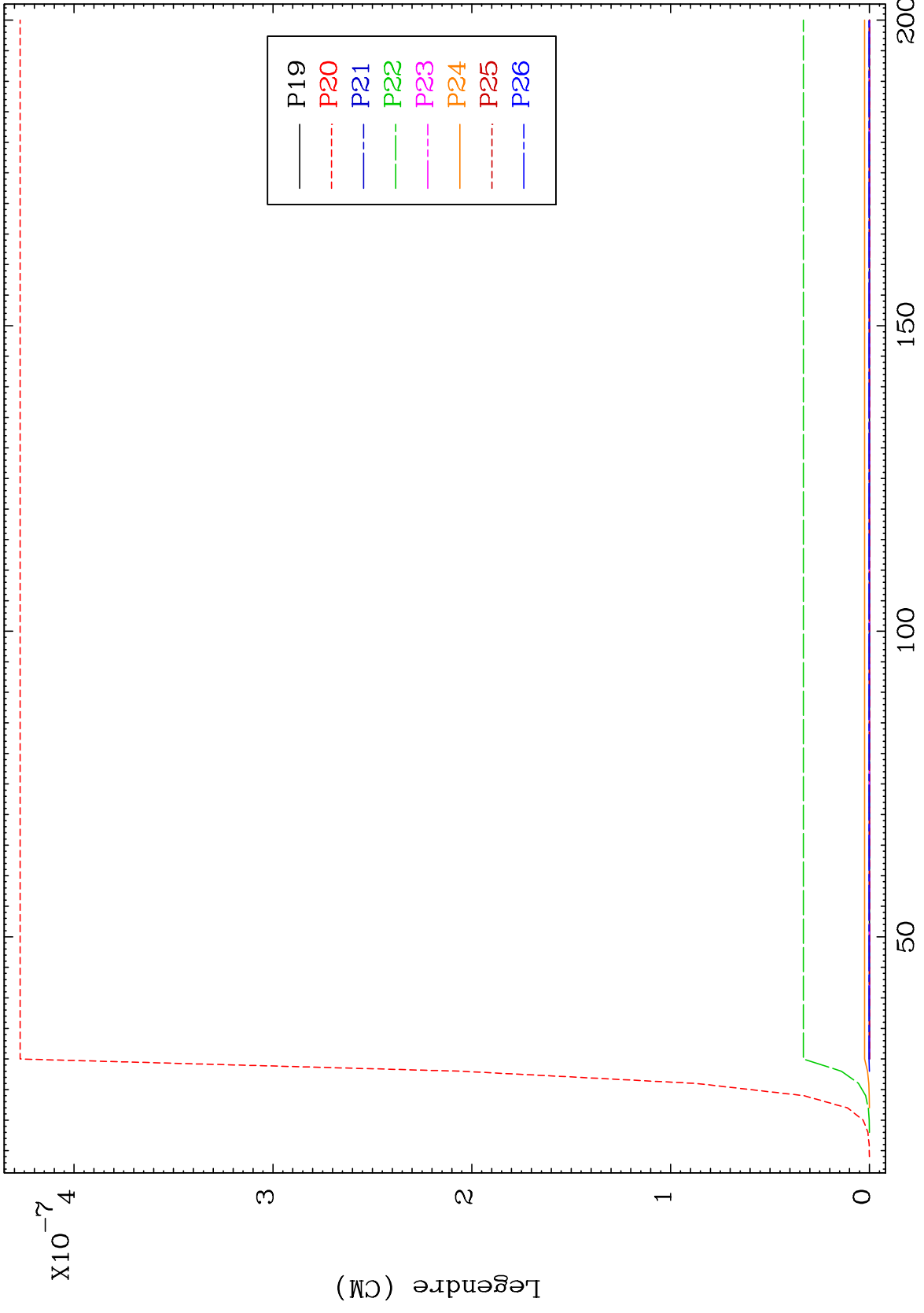


64-Gd-143

Incident Energy (MeV)

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MAT 6398 MT= 56 (n,n') Level Legendre Coefficients 64-Gd-143

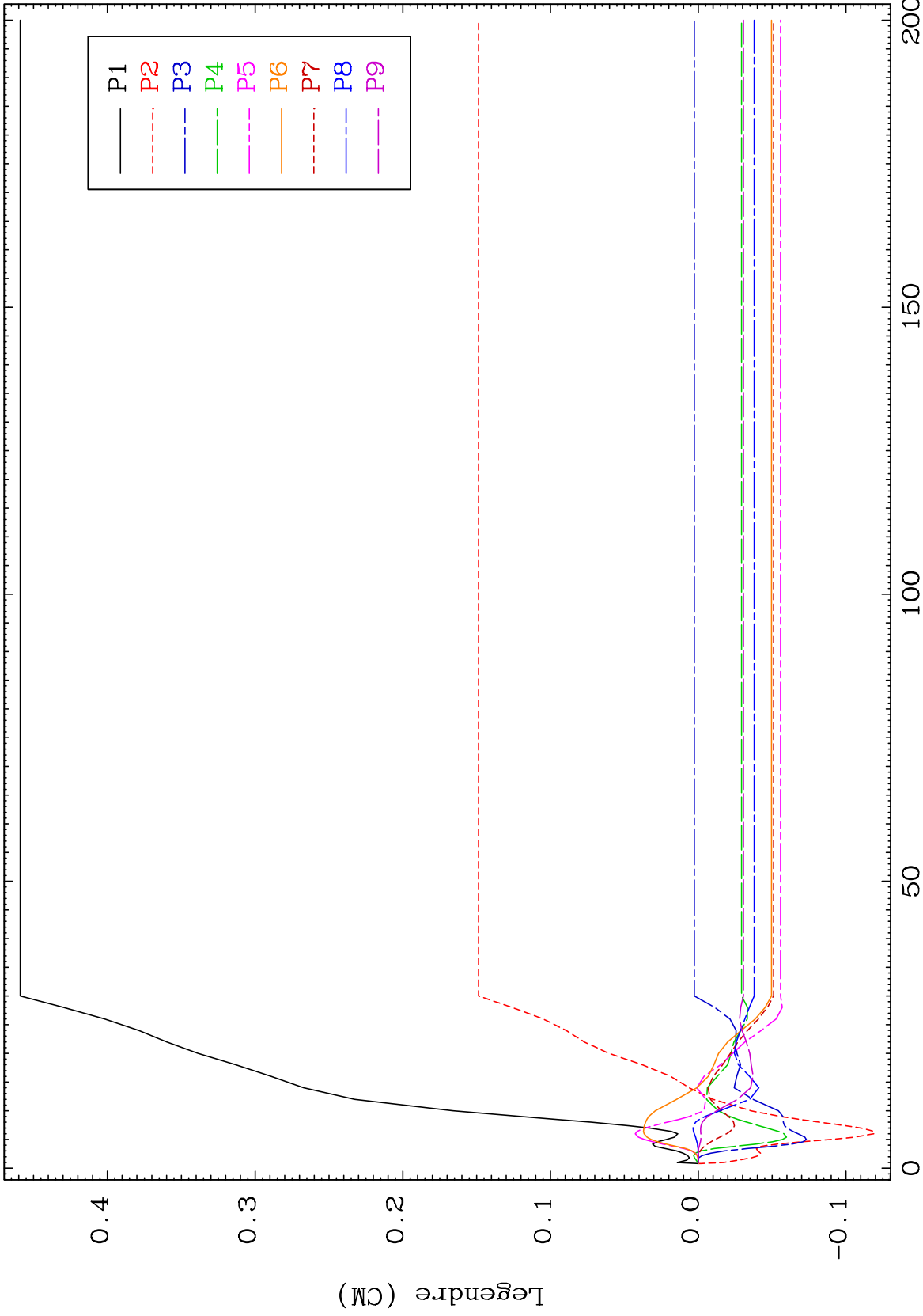


41 64-Gd-143

MAT 6398

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

64-Gd-143



42

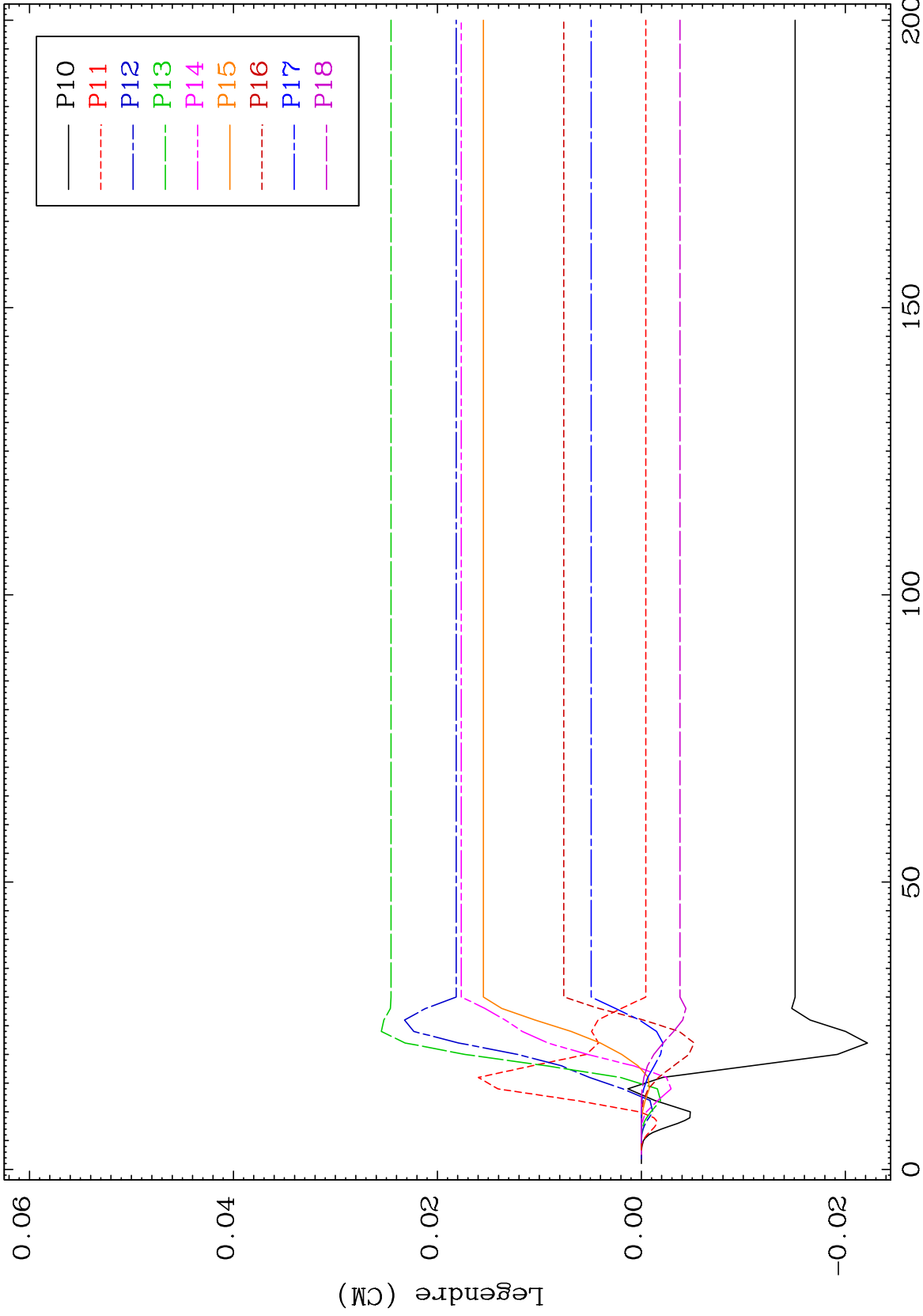
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



43

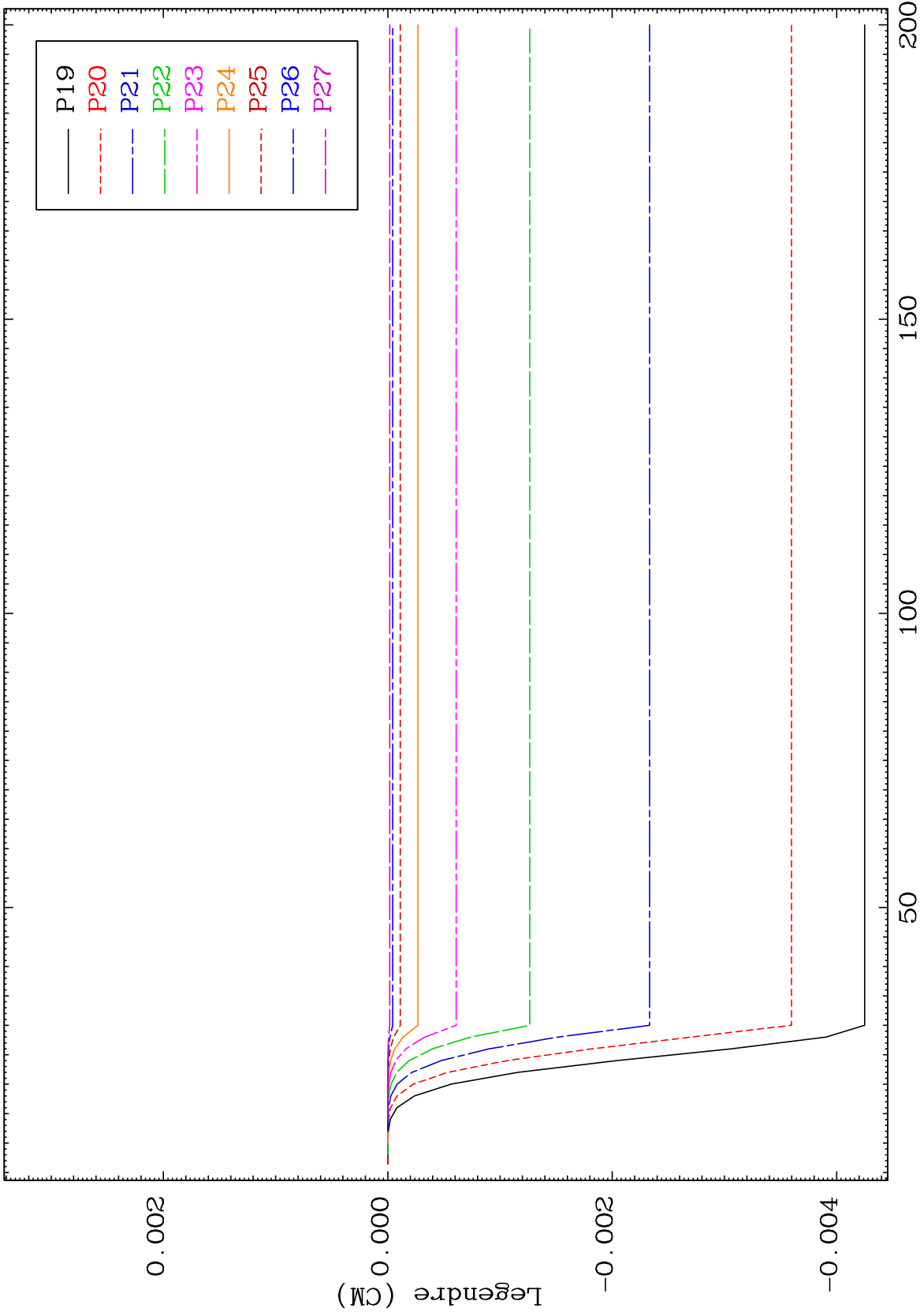
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



44

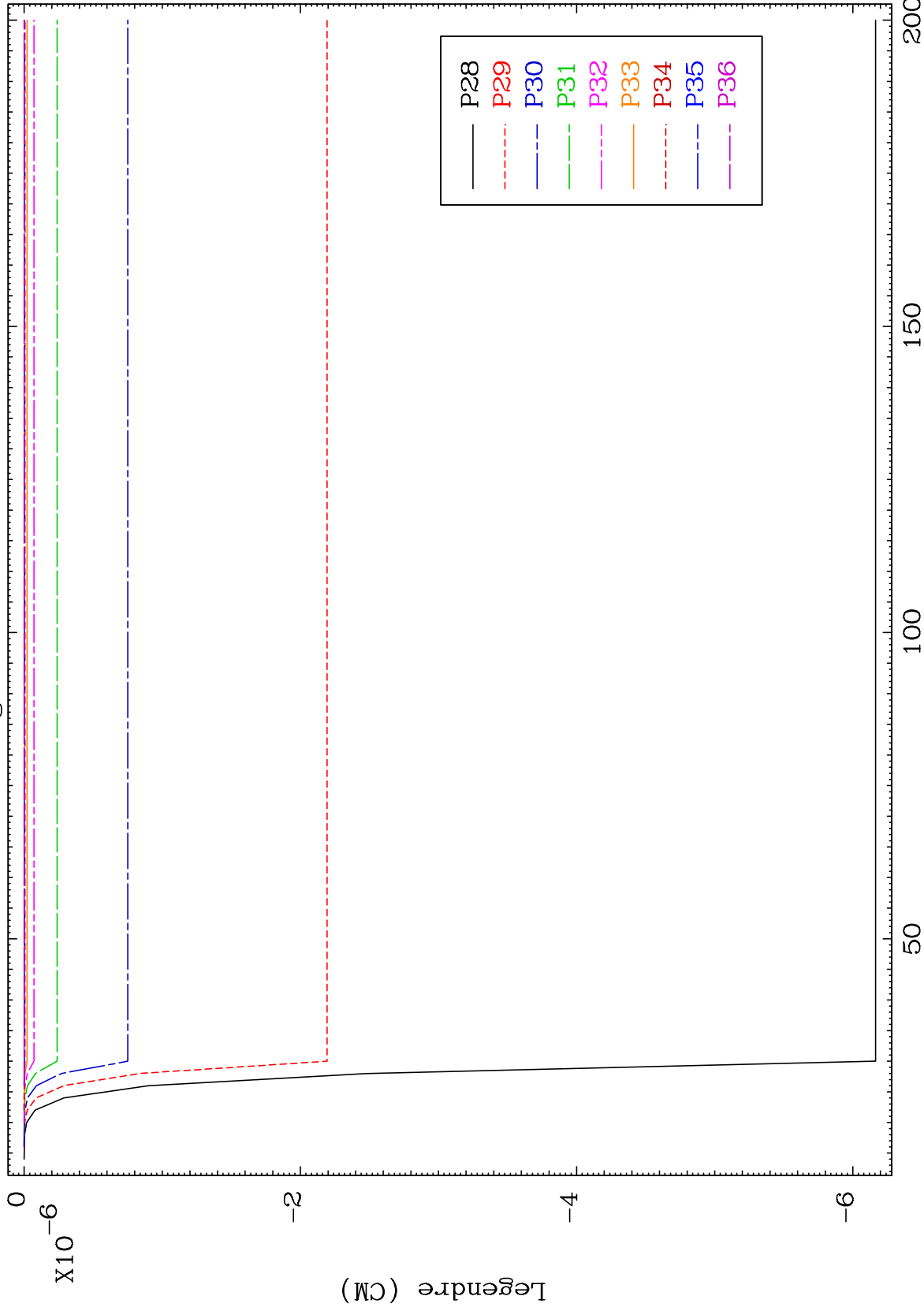
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



64-Gd-143

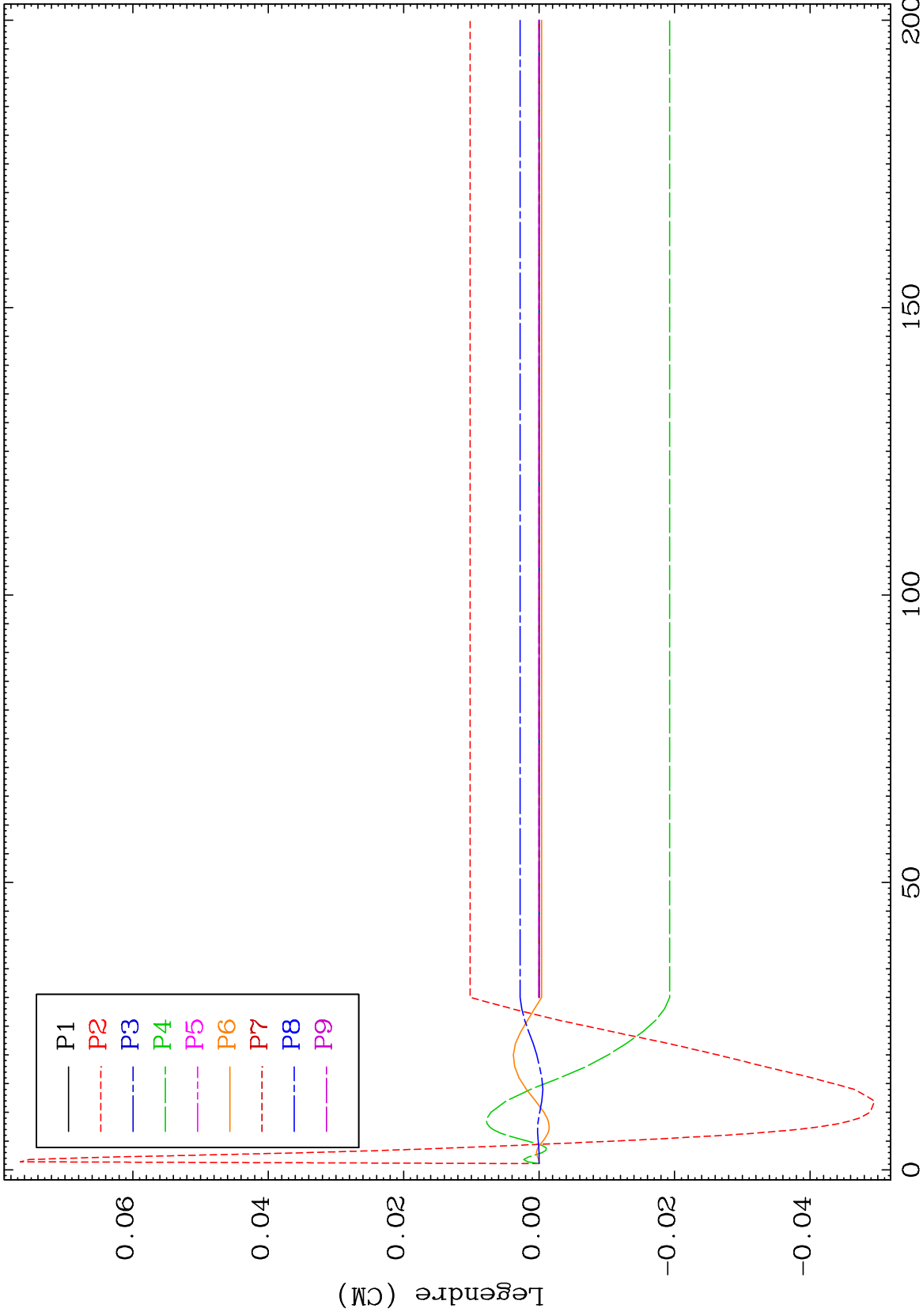
Incident Energy (MeV)

45

MAT 6398

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

64-Gd-143



46

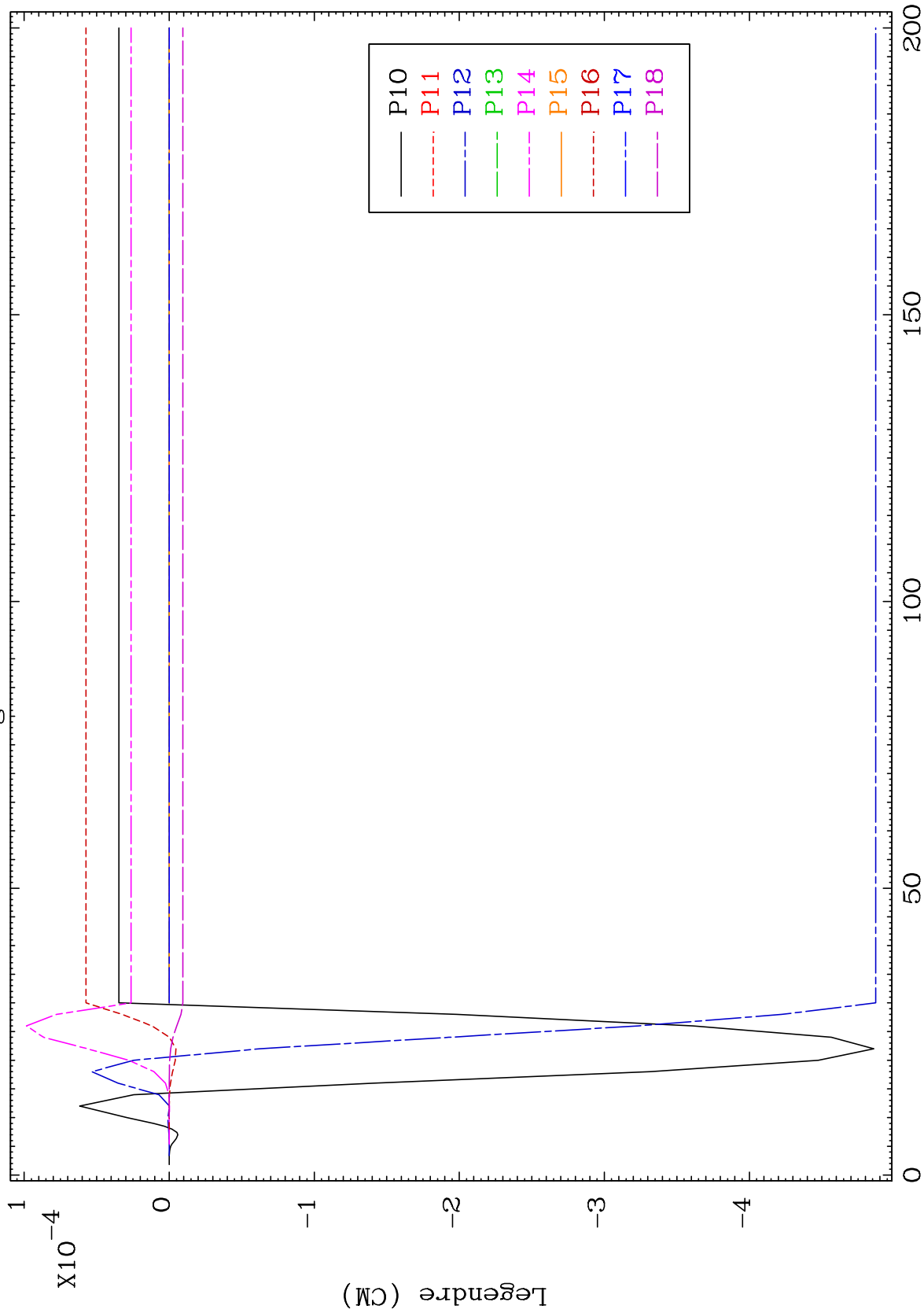
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



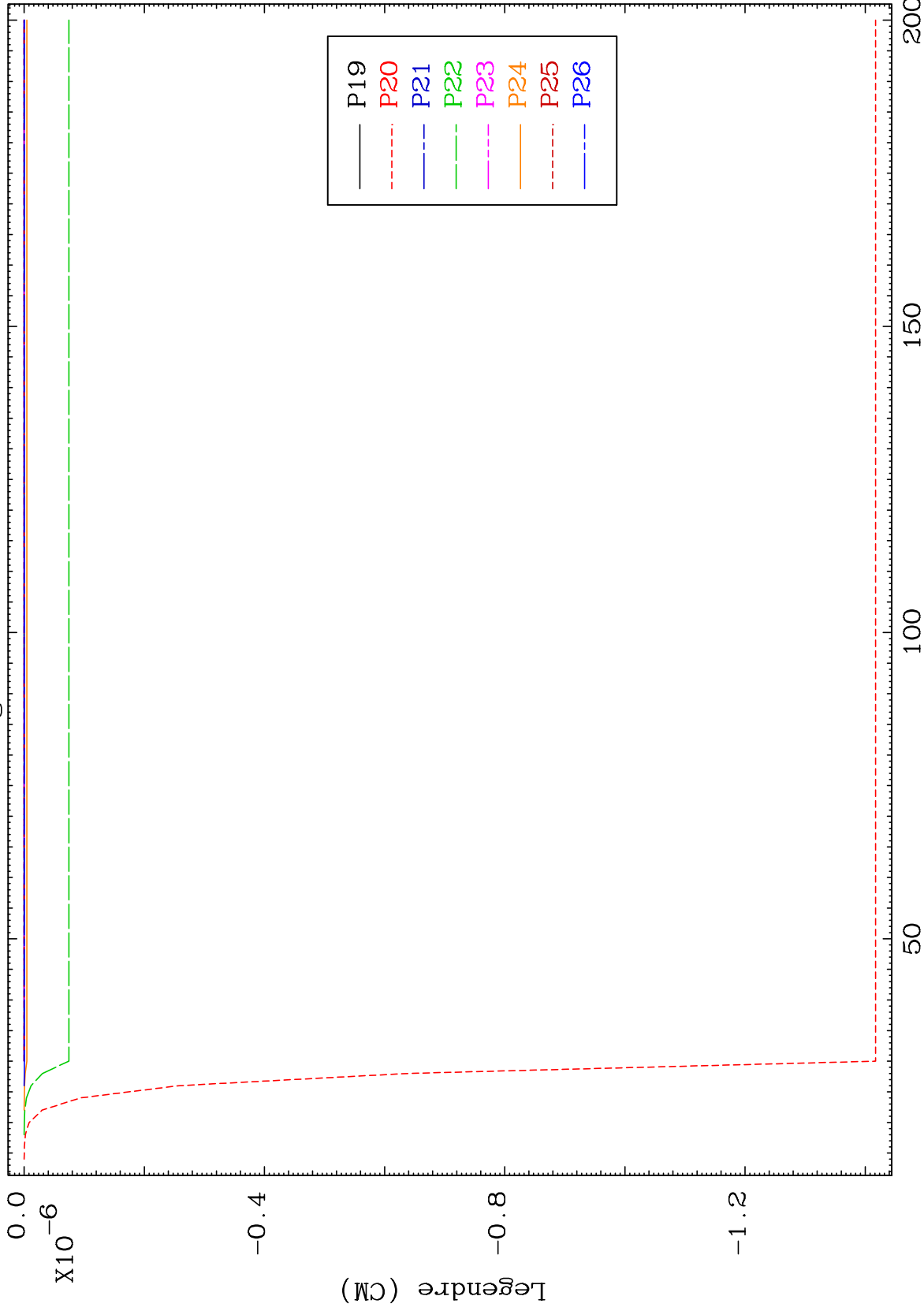
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64-Gd-143

MAT 6398

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

64-Gd-143



48

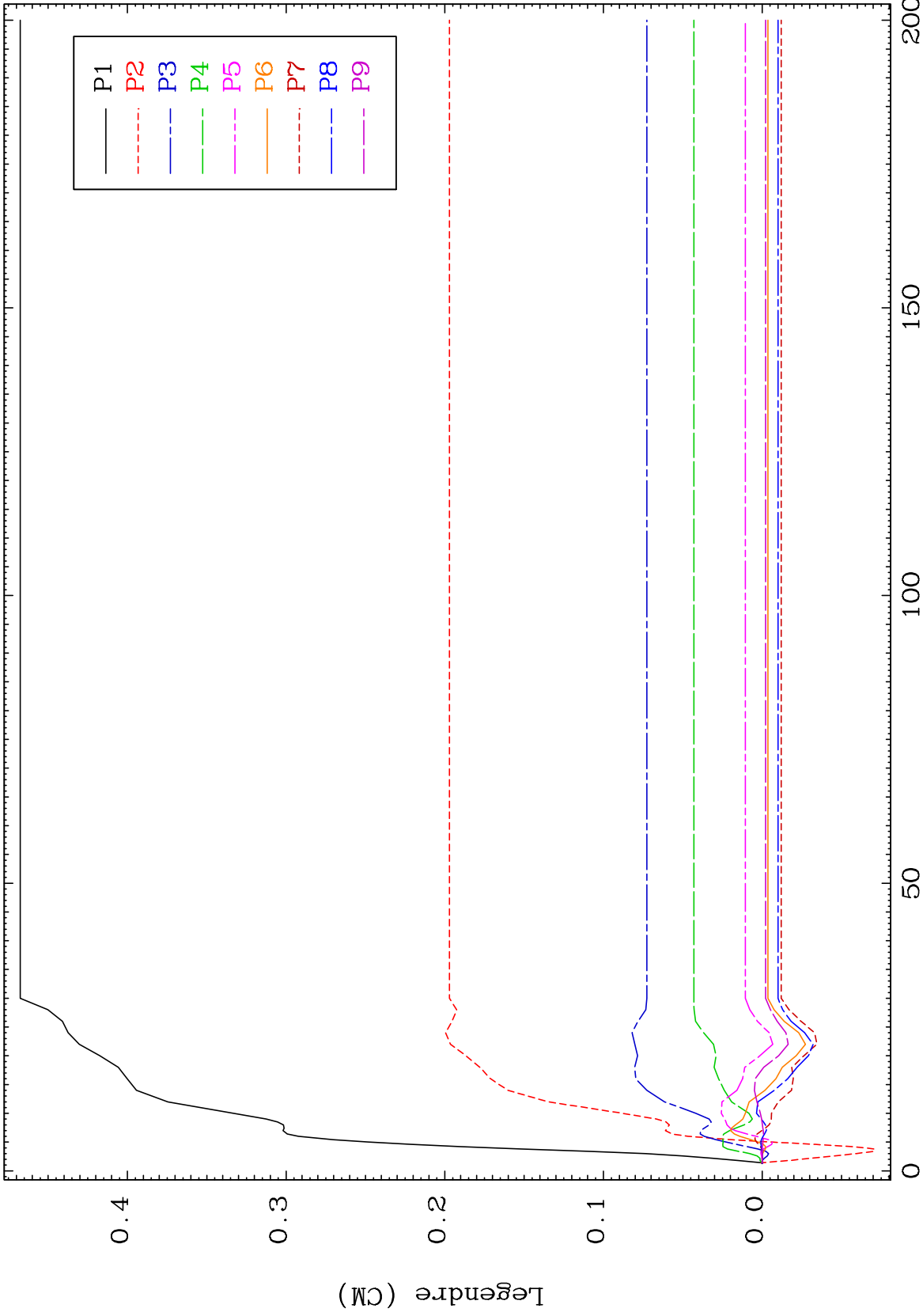
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



49

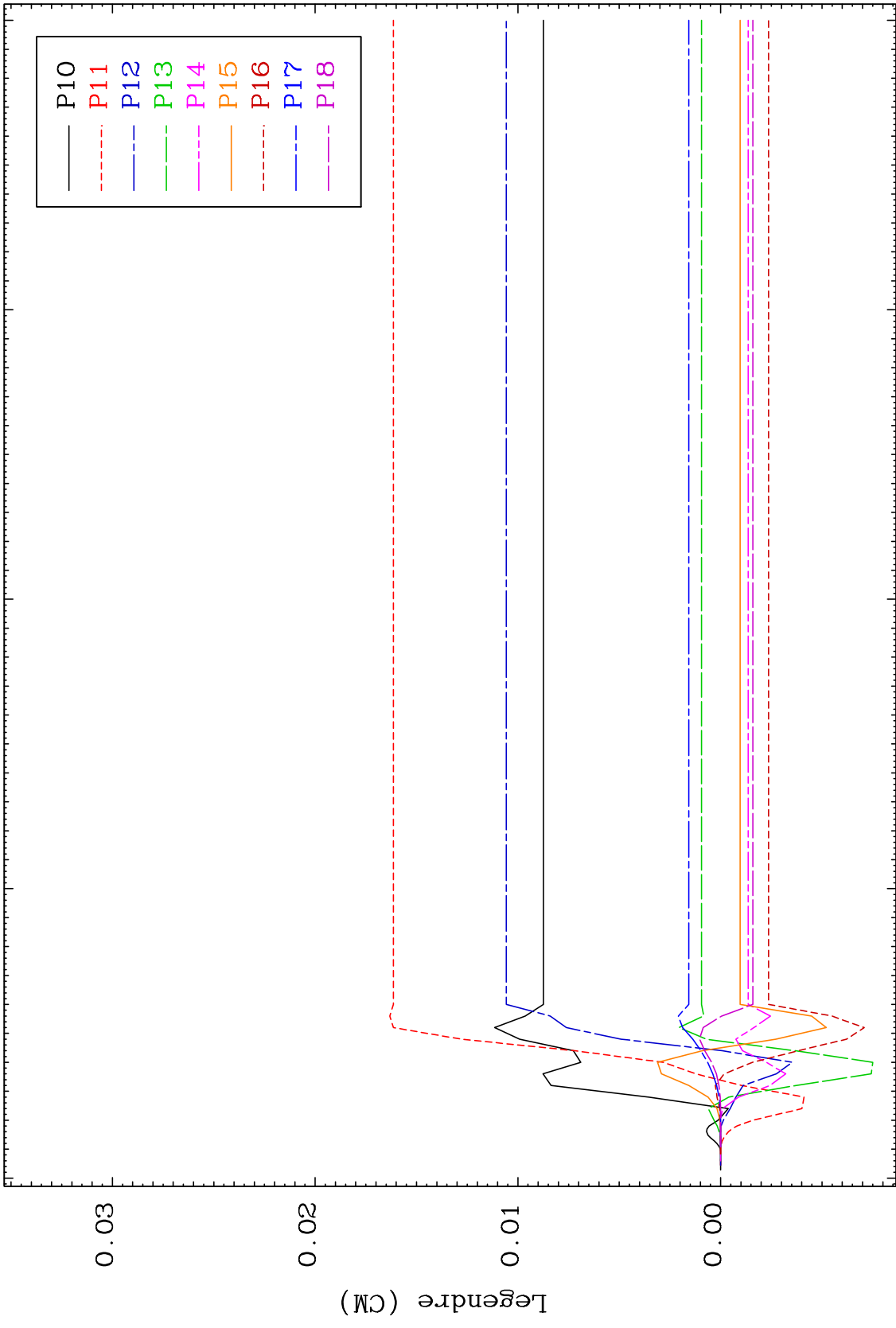
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



50

Incident Energy (MeV)

100

150

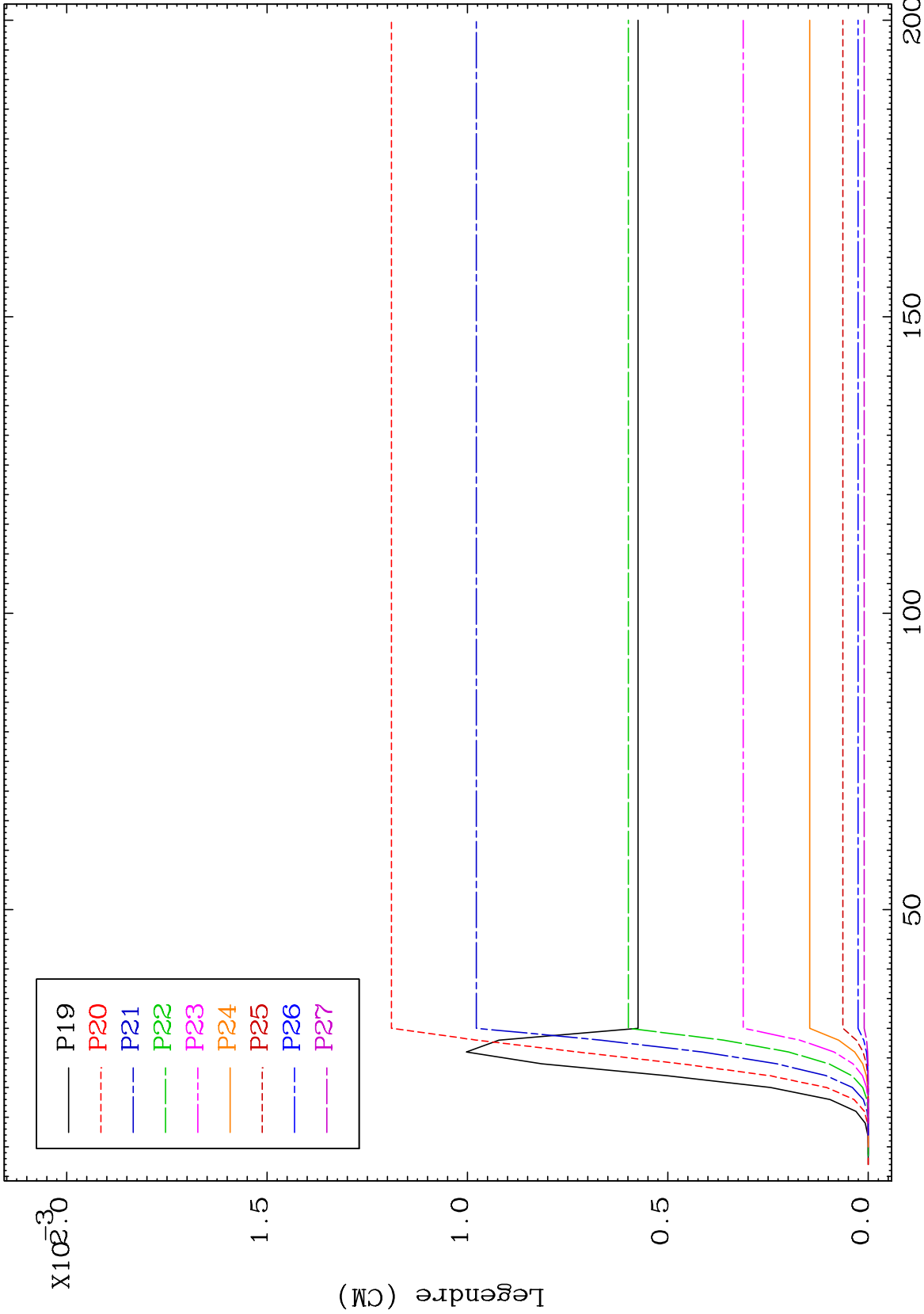
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64-Gd-143

MAT 6398

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

64-Gd-143



51

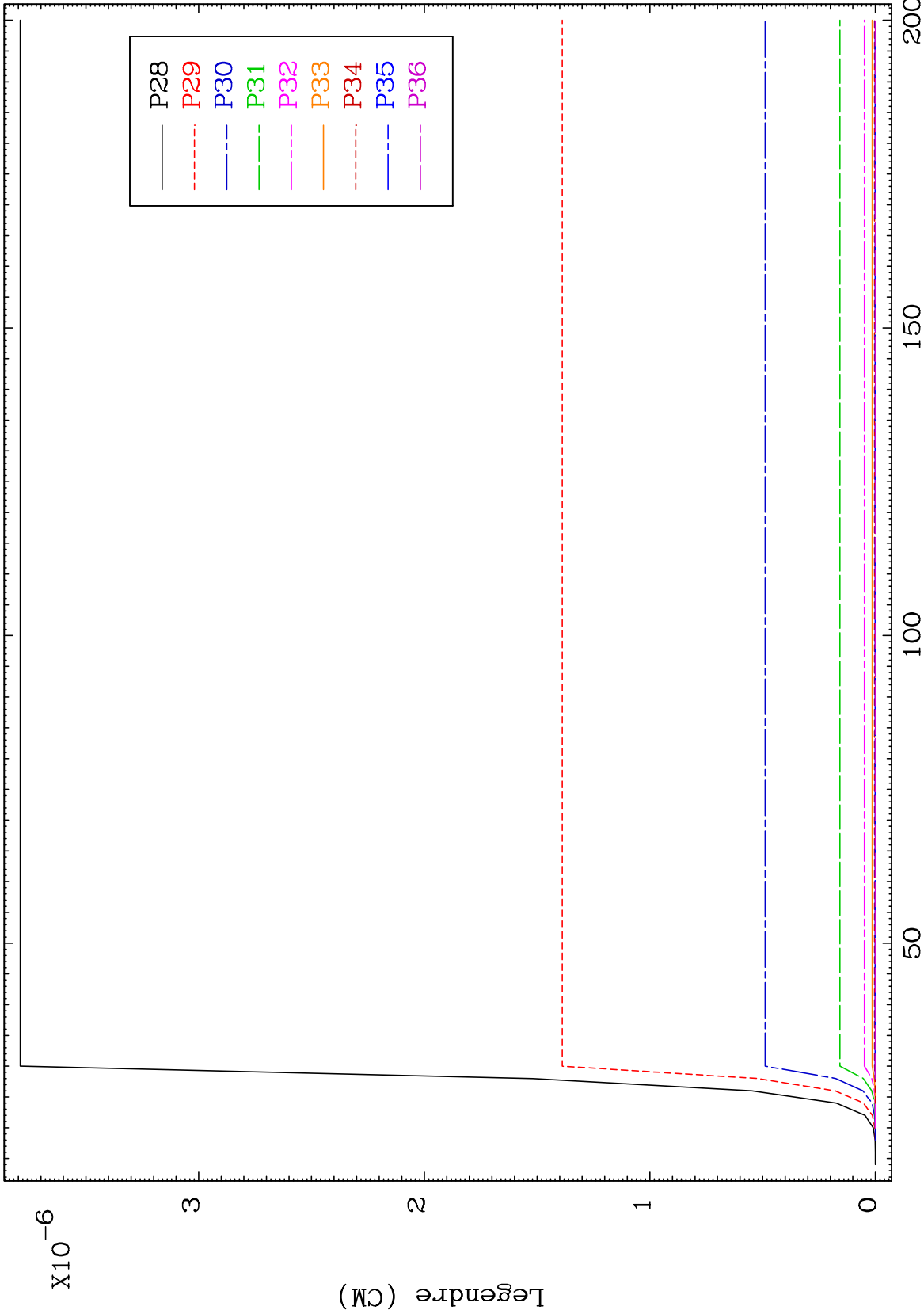
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143

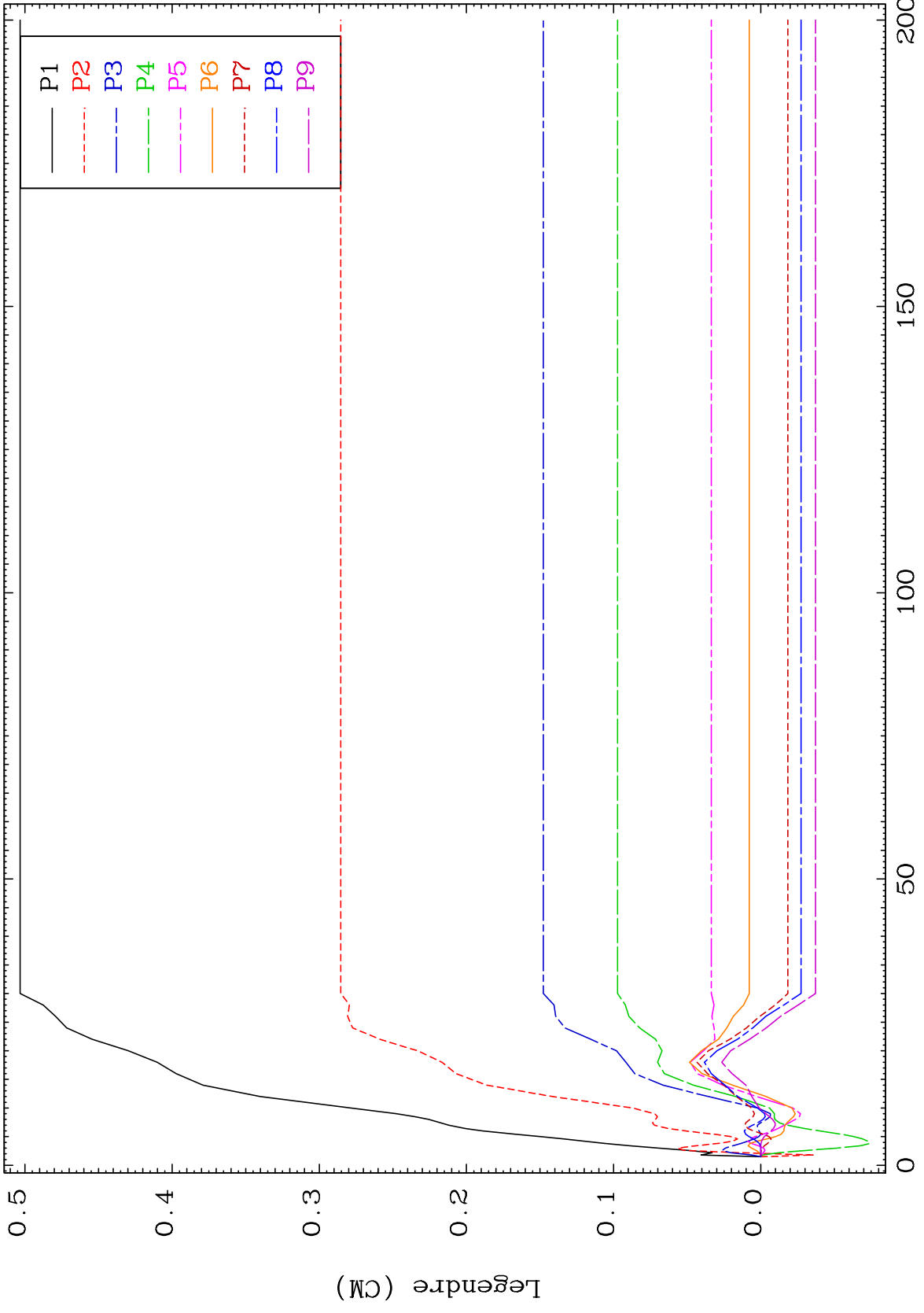


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Incident Energy (MeV)

64-Gd-143

MAT 6398 MT= 60 (n,n') Level Legendre Coefficients 64-Gd-143

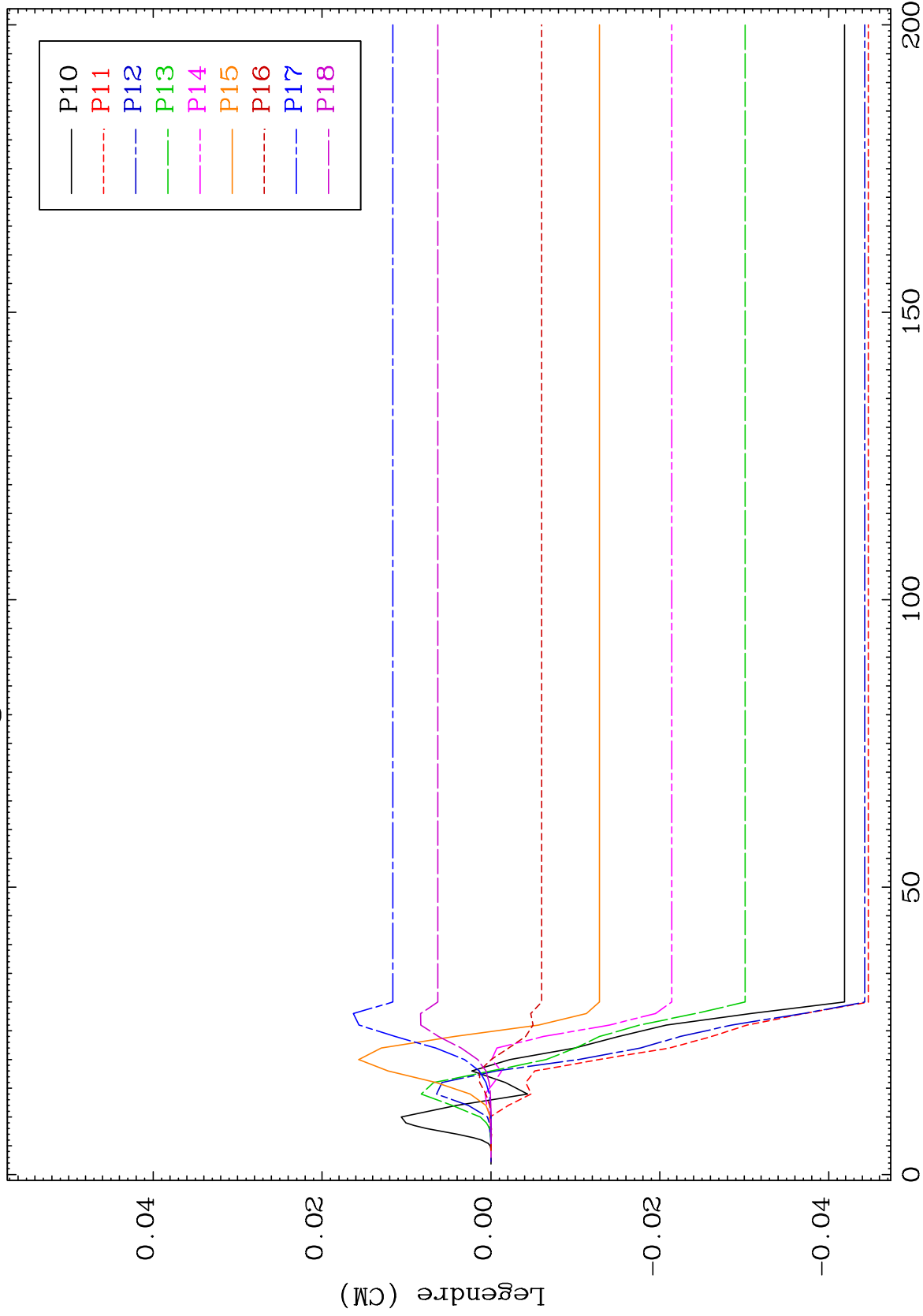


53 64-Gd-143

MAT 6398

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

64-Gd-143



54

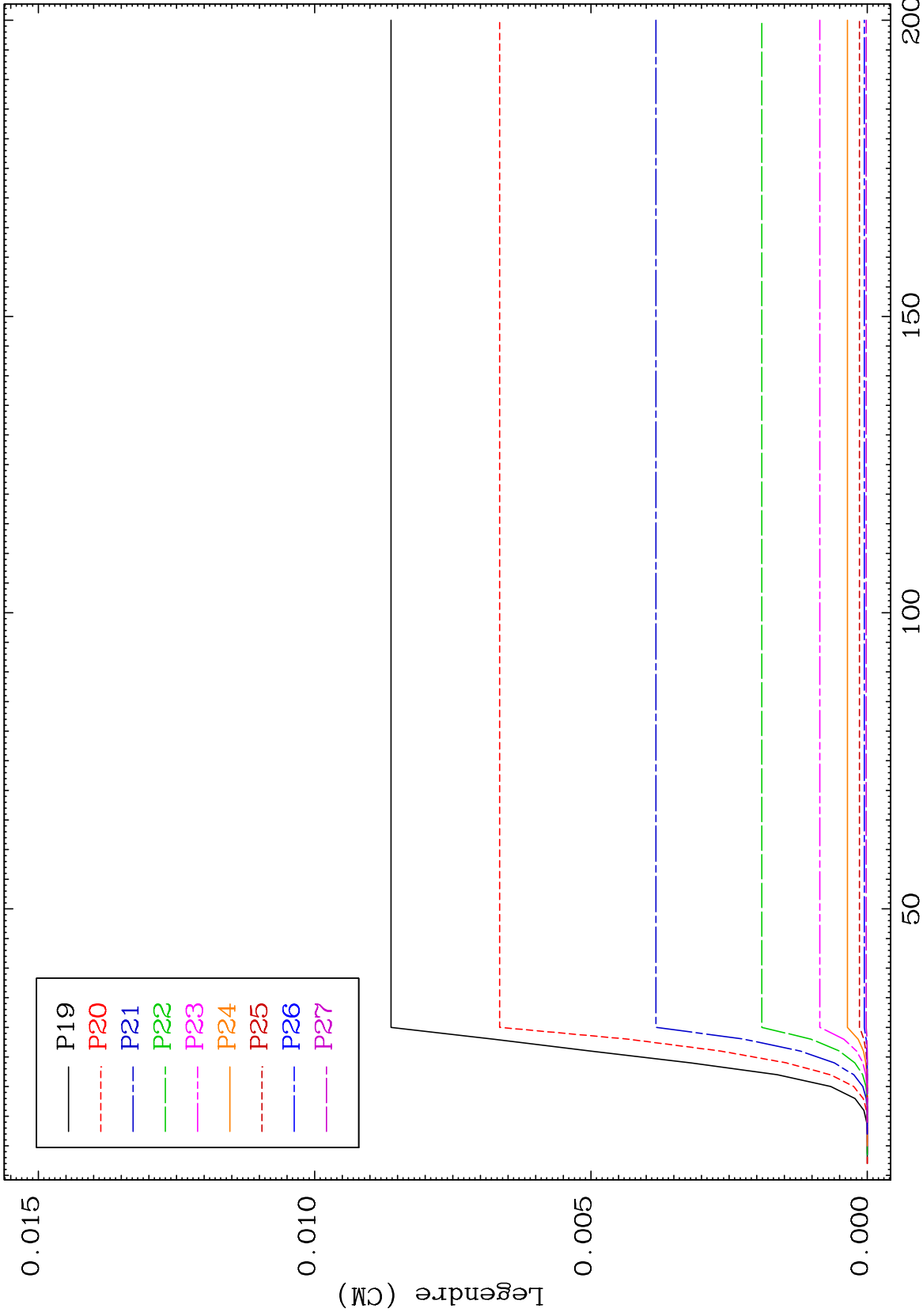
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



55

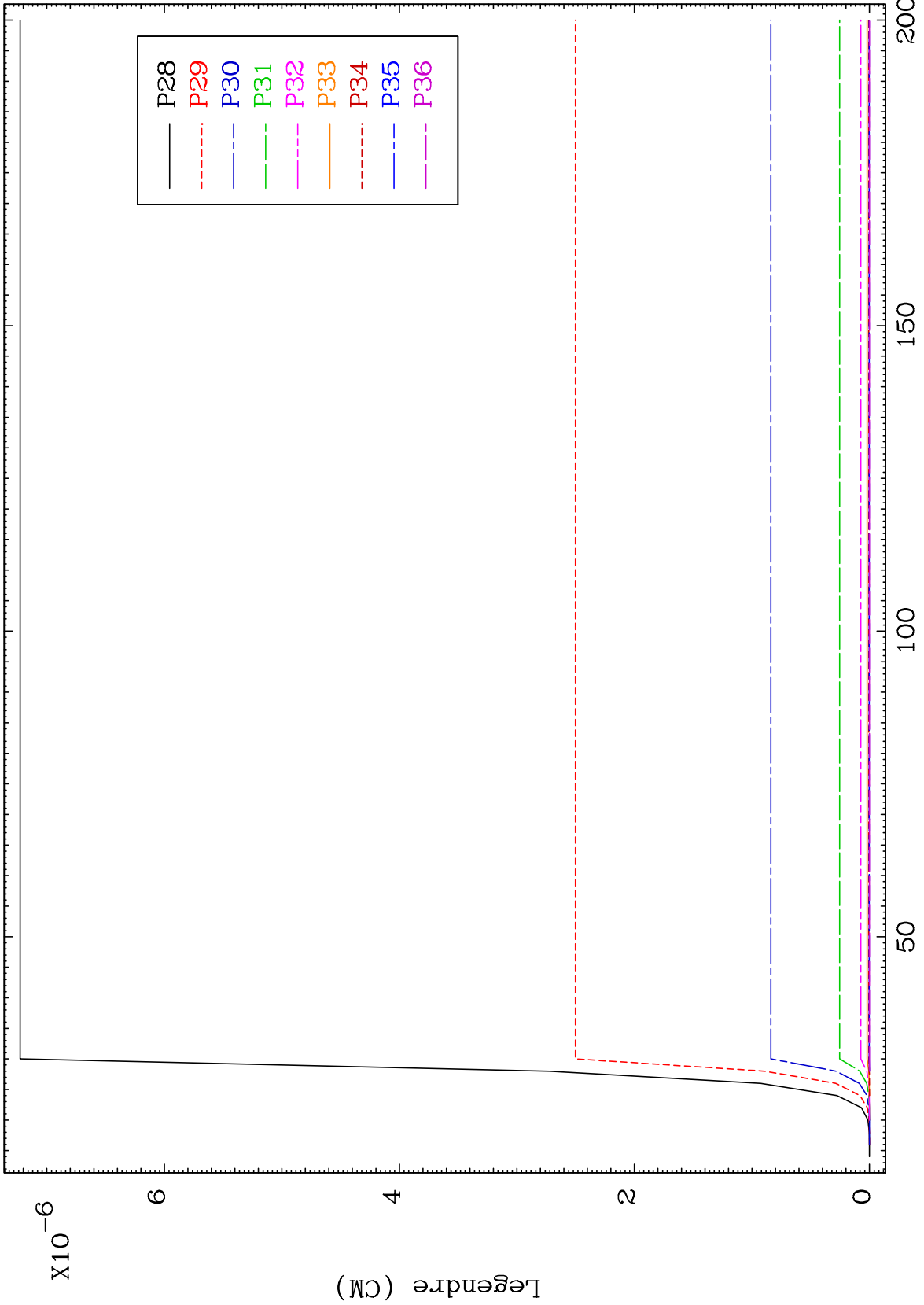
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



56

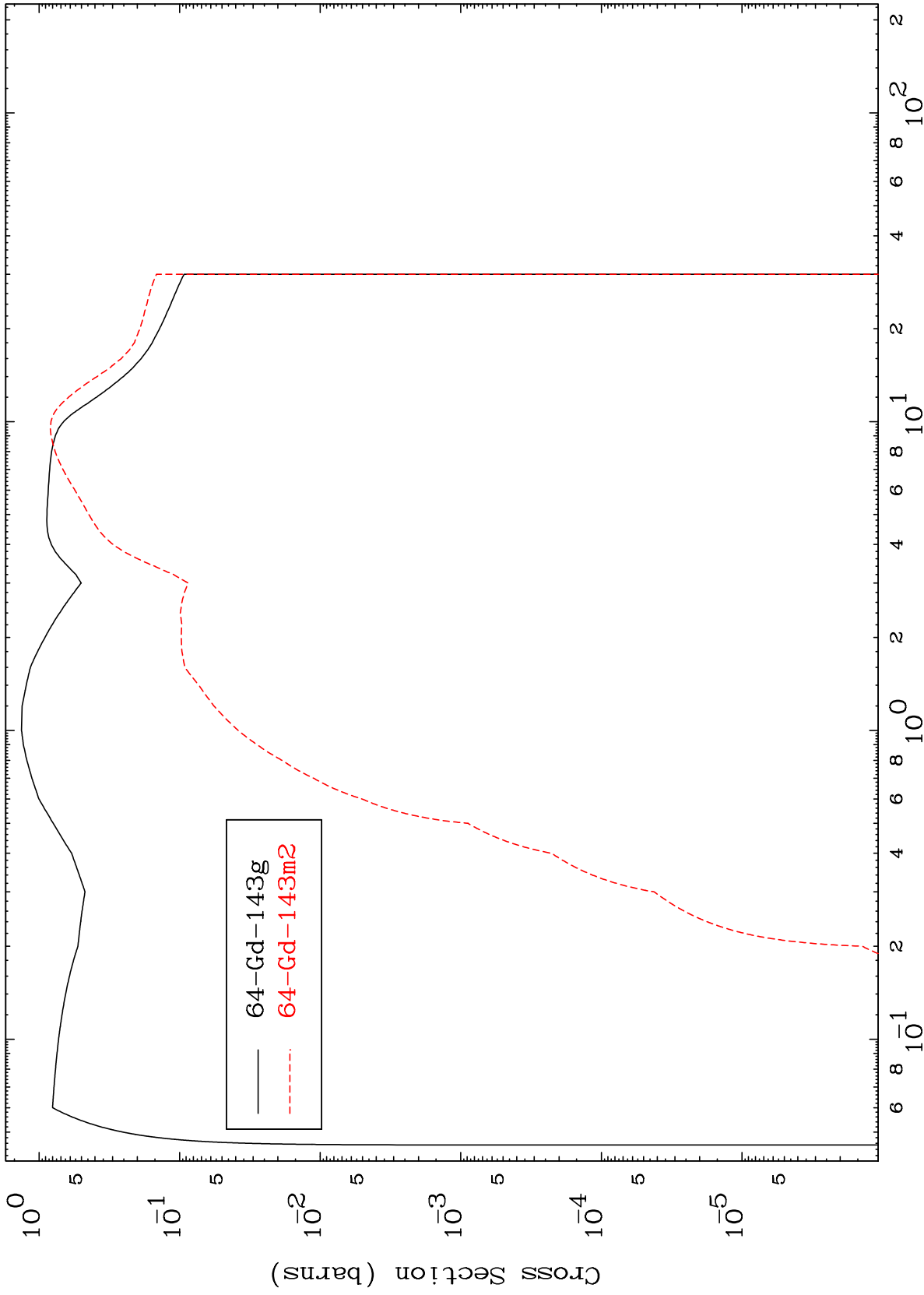
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

Inelastic Radionuclide Production Cross Section



57

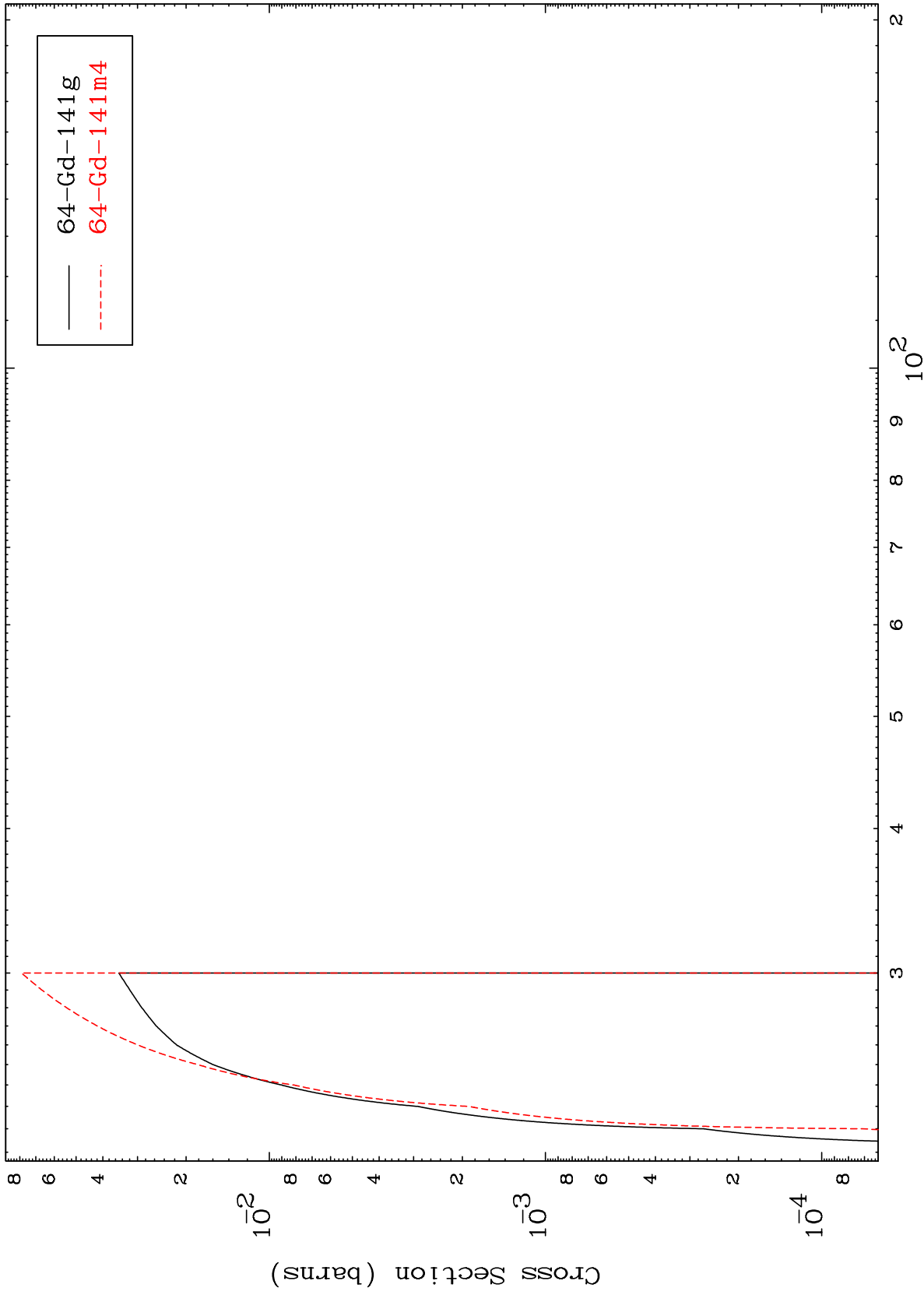
64-Gd-143

MAT 6398

(n,3n)

64-Gd-143

Radionuclide Production Cross Section



58

Incident Energy (MeV)

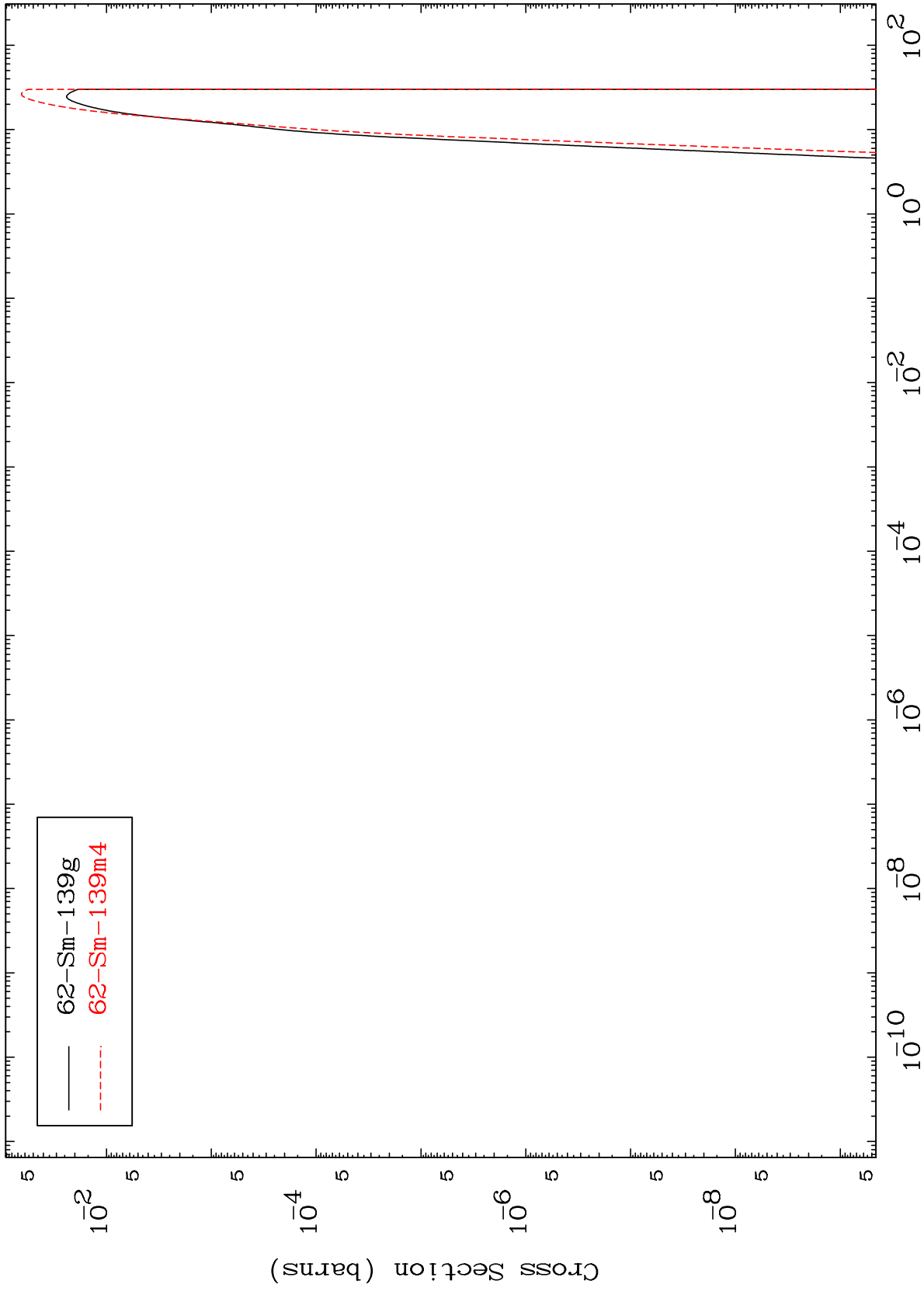
64-Gd-143

MAT 6398

(n,n') α

64-Gd-143

Radionuclide Production Cross Section



59

Incident Energy (MeV)

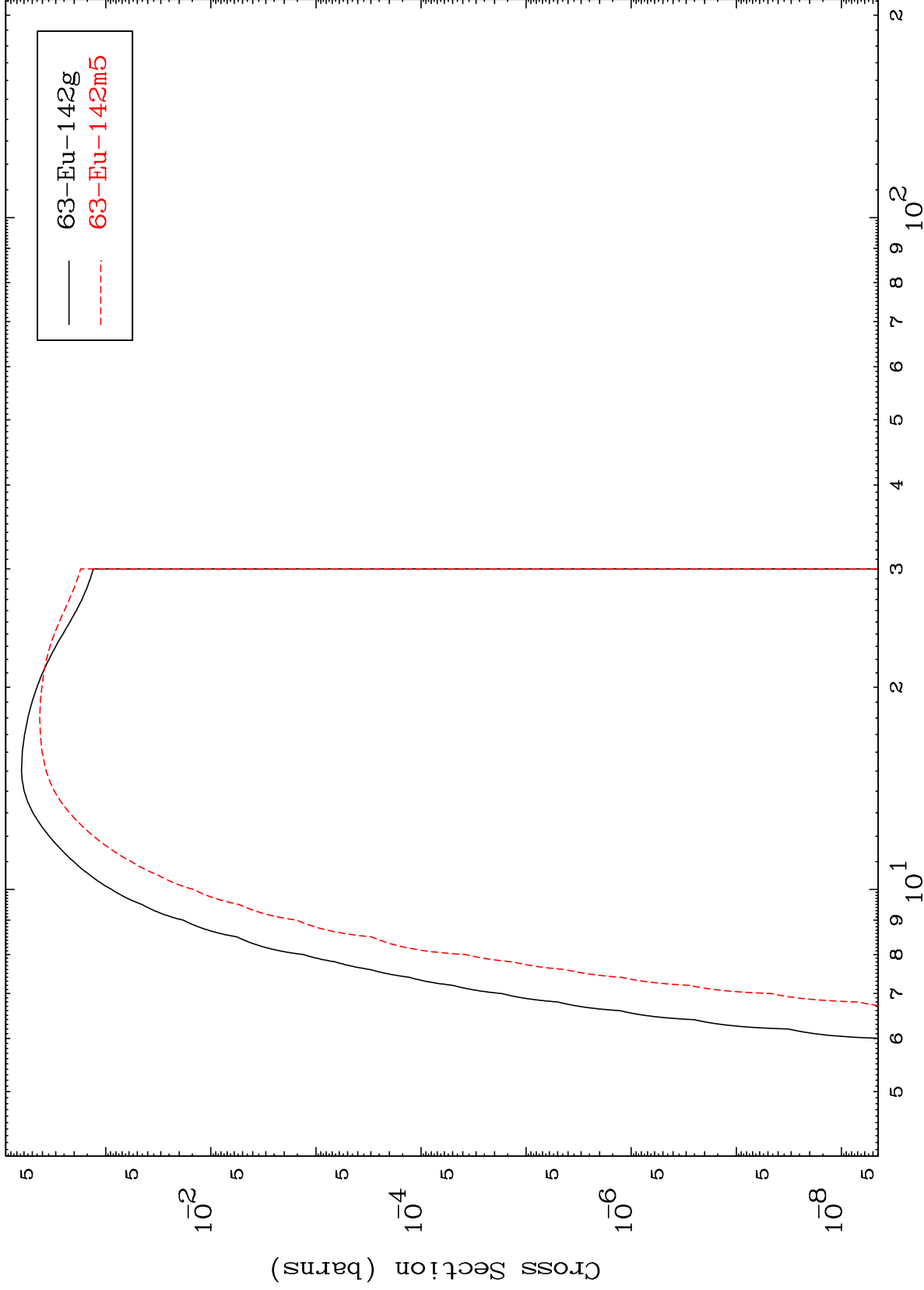
64-Gd-143

MAT 6398

(n,n') p

64-Gd-143

Radionuclide Production Cross Section



60

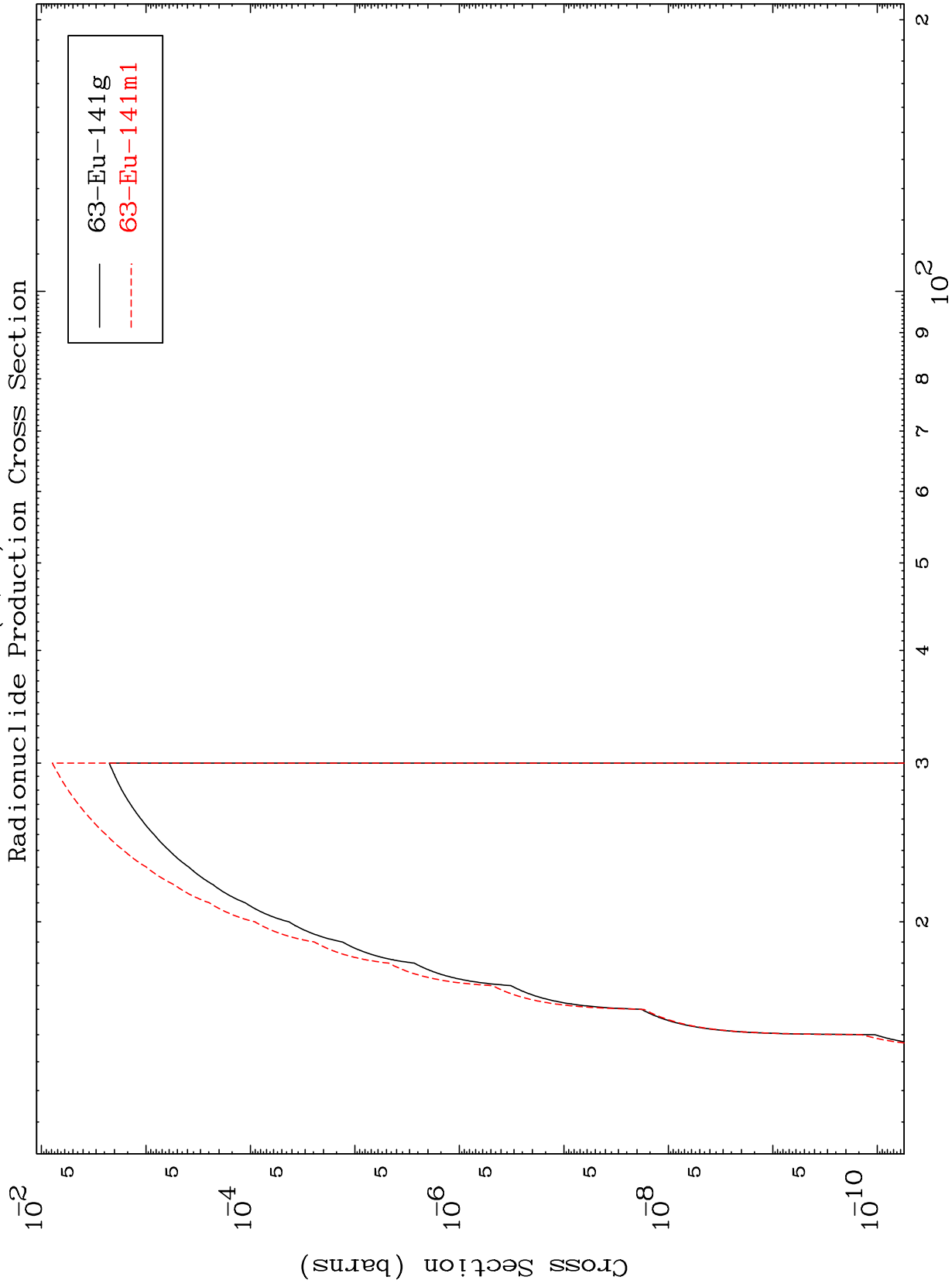
Incident Energy (MeV)

64-Gd-143

MAT 6398

(n, n') d

64-Gd-143



61

Incident Energy (MeV)

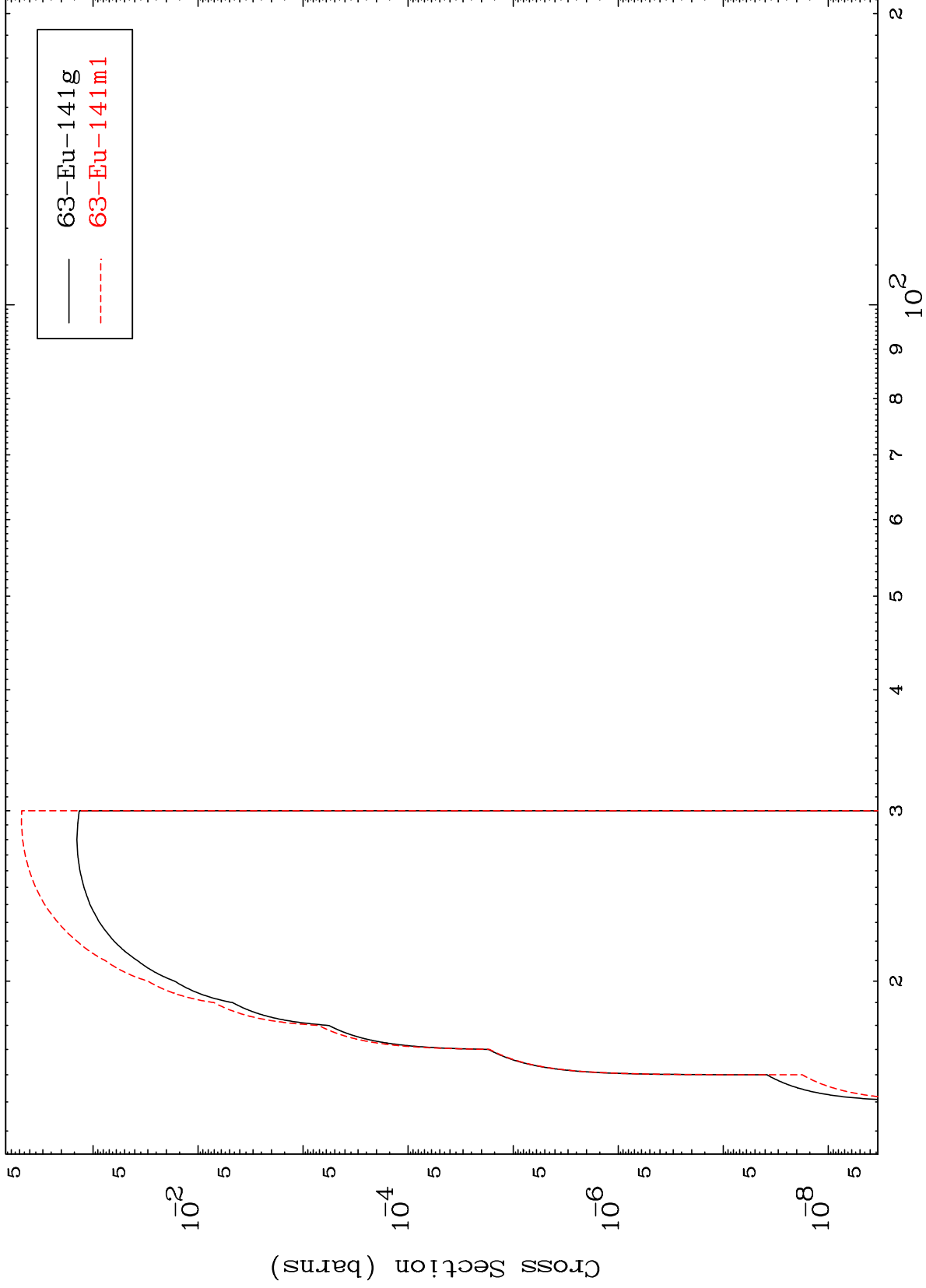
64-Gd-143

MAT 6398

(n,2n) p

64-Gd-143

Radionuclide Production Cross Section



62

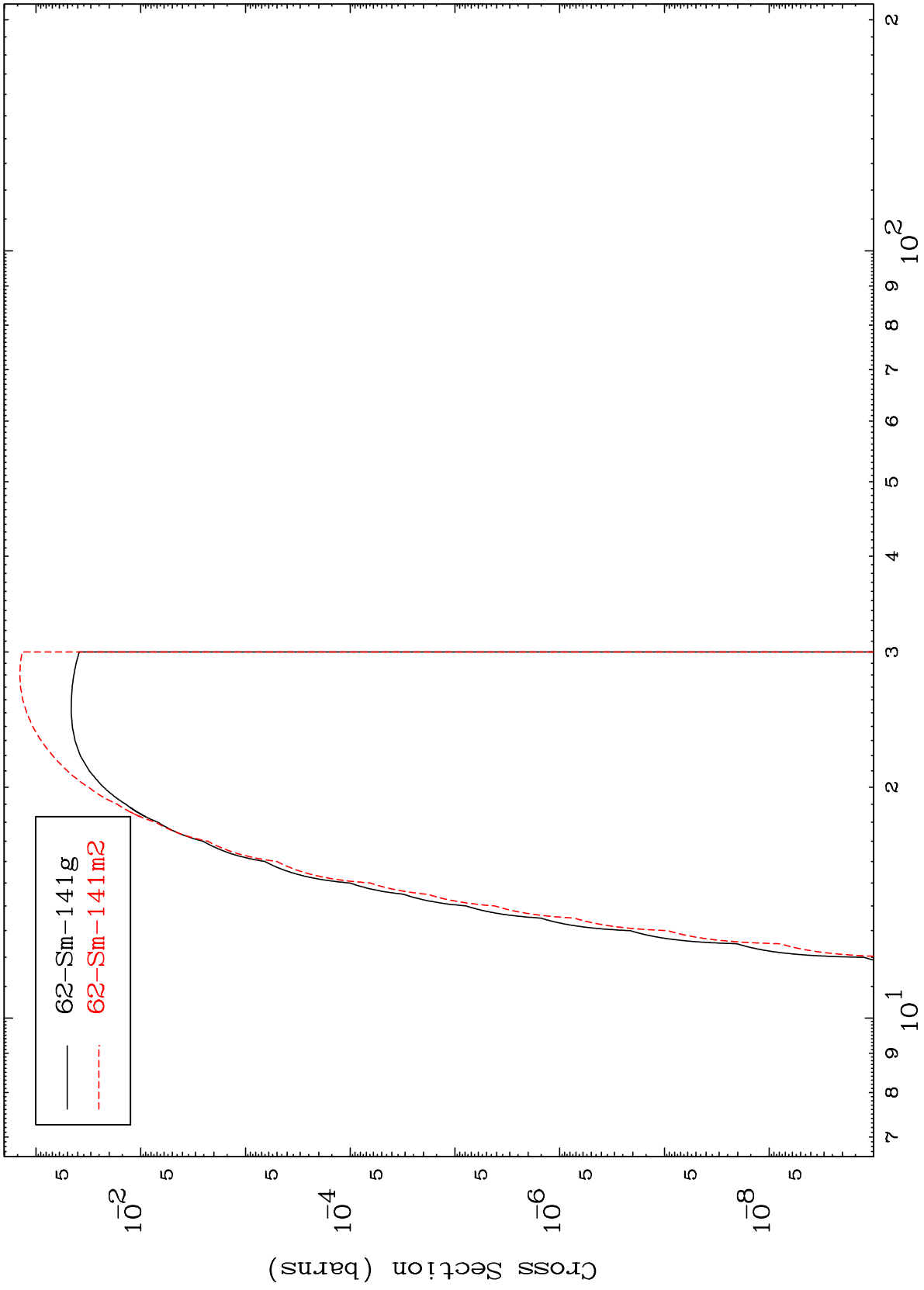
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

(n,2n) p
Radionuclide Production Cross Section



63

Incident Energy (MeV)

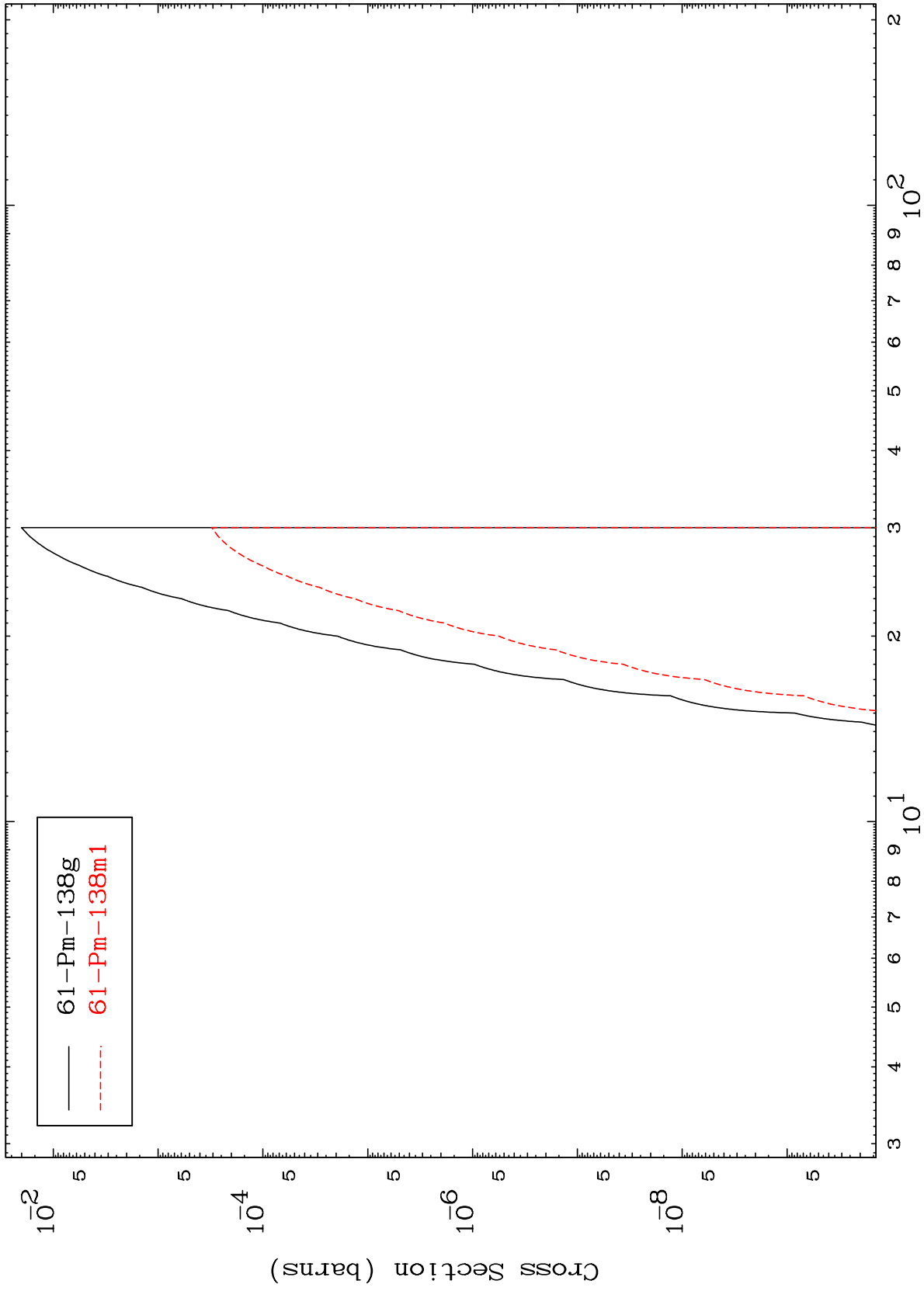
64-Gd-143

MAT 6398

(n,n') p α

64-Gd-143

Radionuclide Production Cross Section



61-Pm-138g
61-Pm-138m1

64

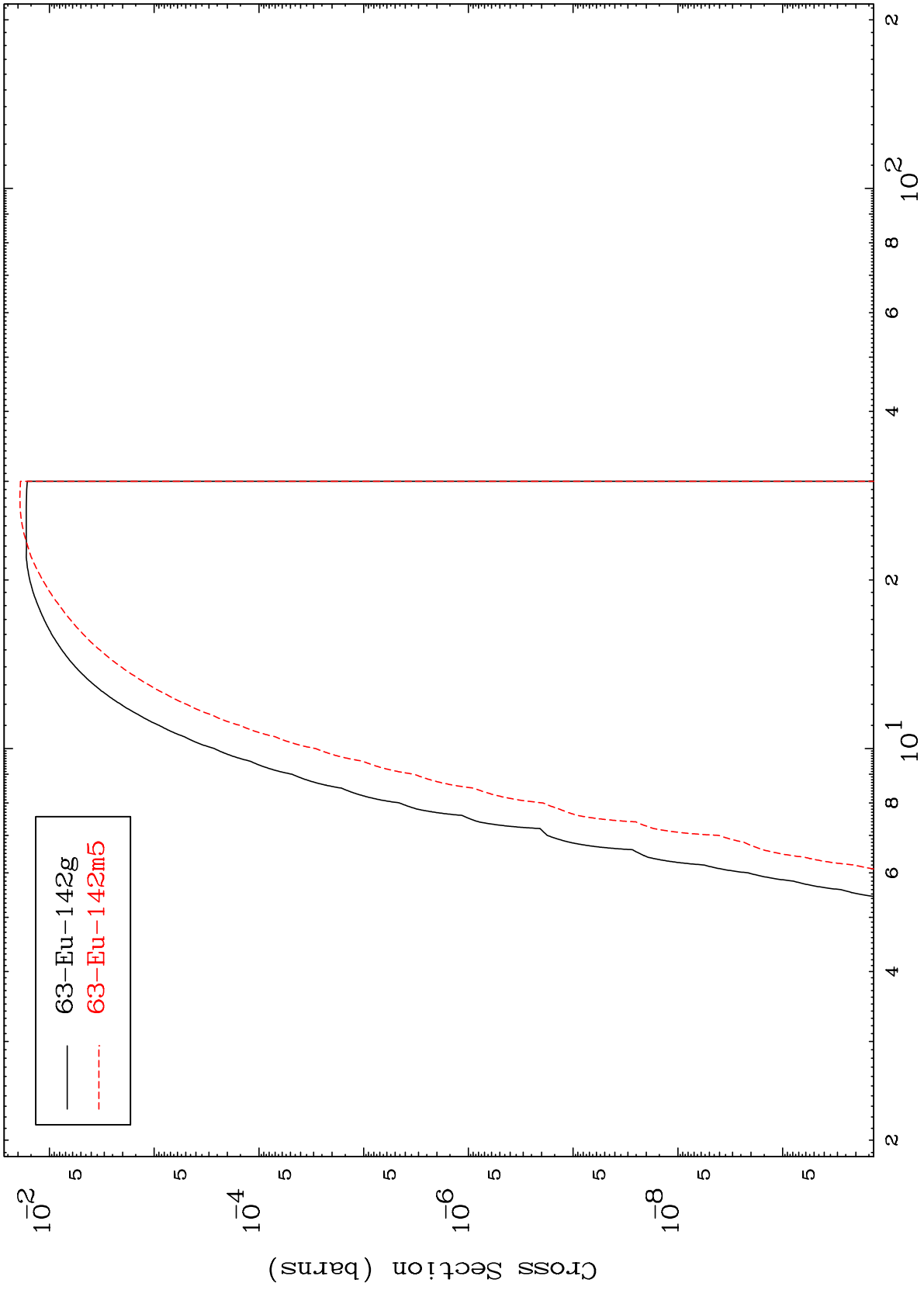
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

(n,d)
Radionuclide Production Cross Section



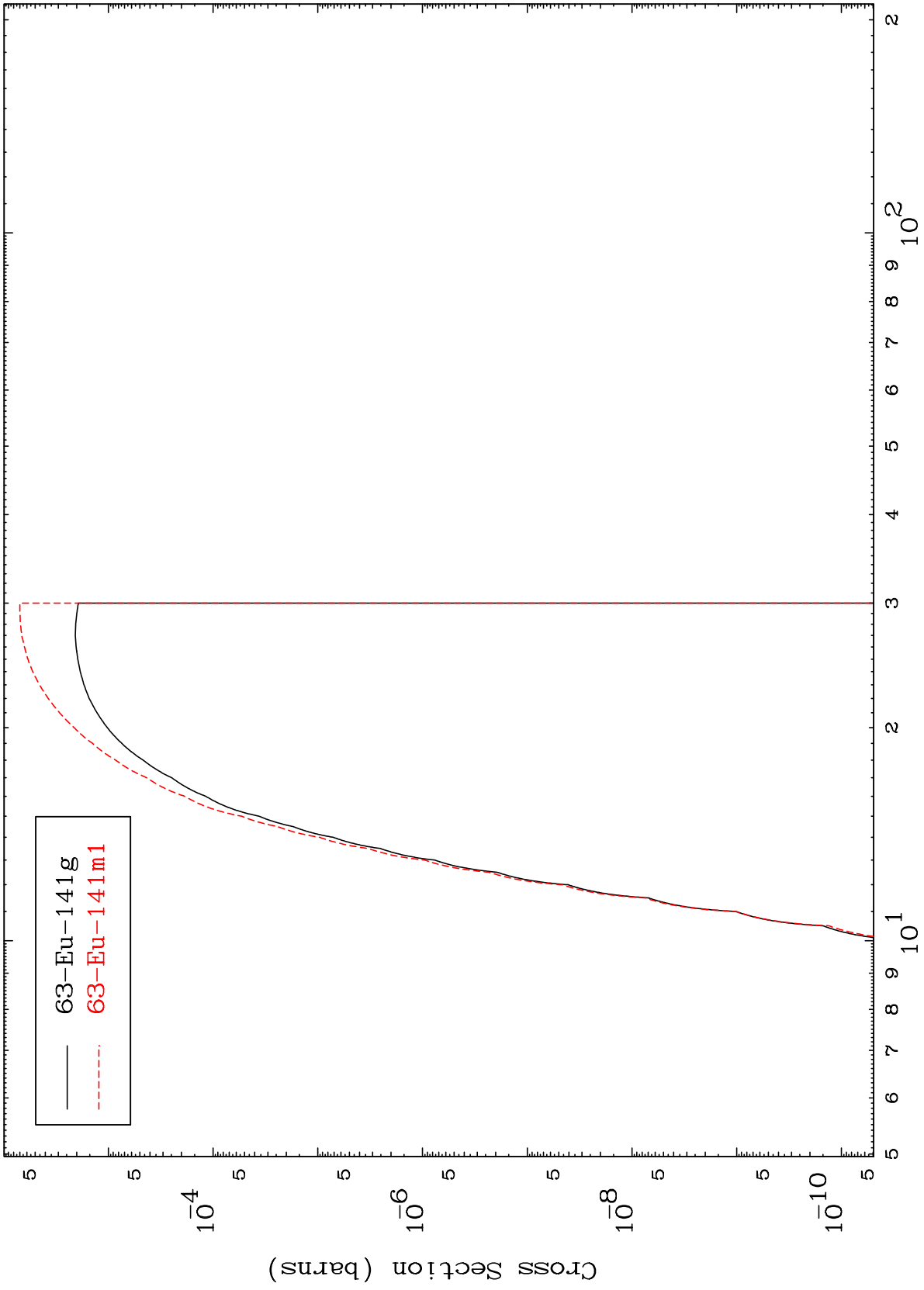
65

64-Gd-143

MAT 6398

64-Gd-143

(n, t)
Radionuclide Production Cross Section



66

Incident Energy (MeV)

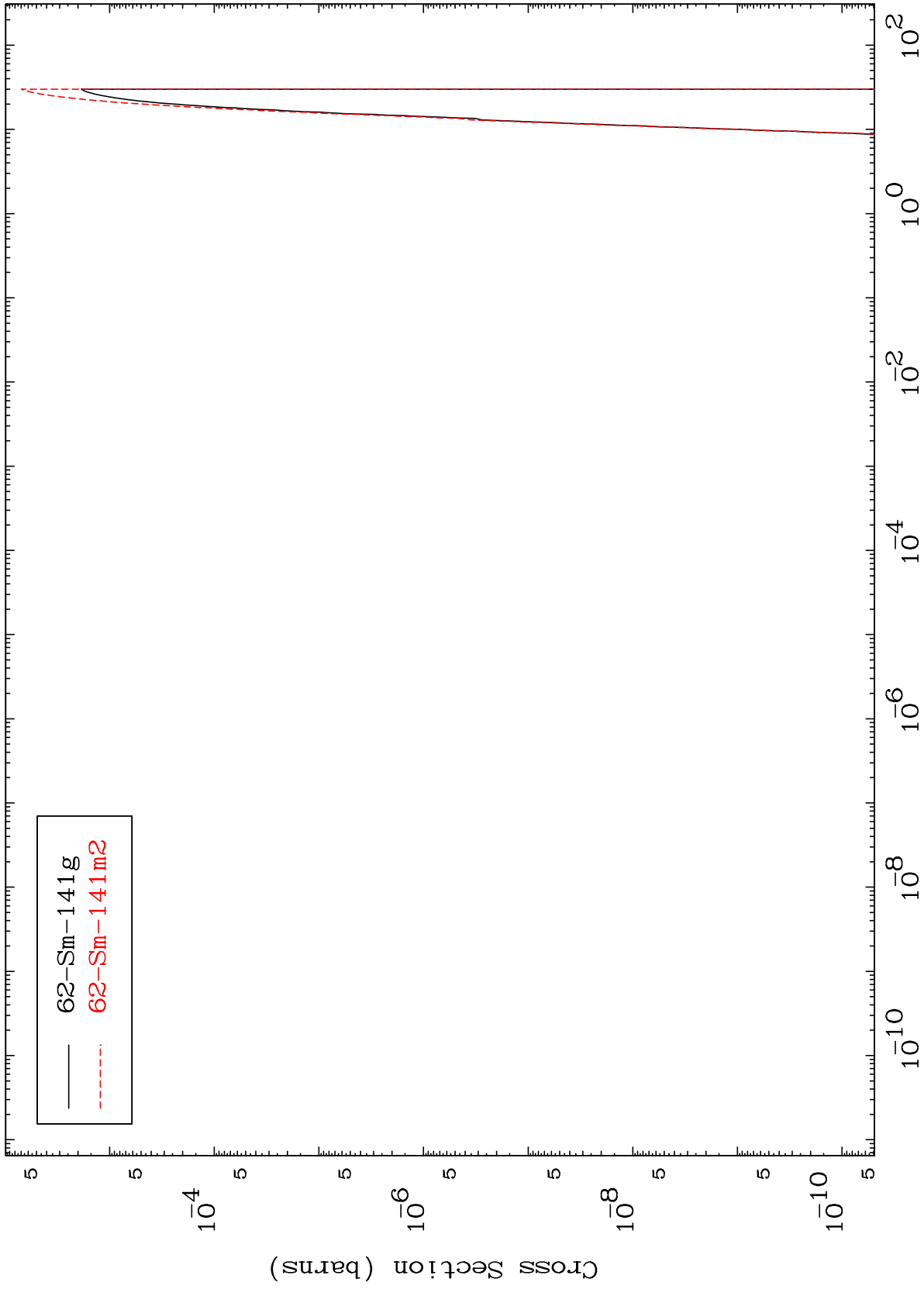
64-Gd-143

MAT 6398

(n, He-3)

64-Gd-143

Radionuclide Production Cross Section



67

Incident Energy (MeV)

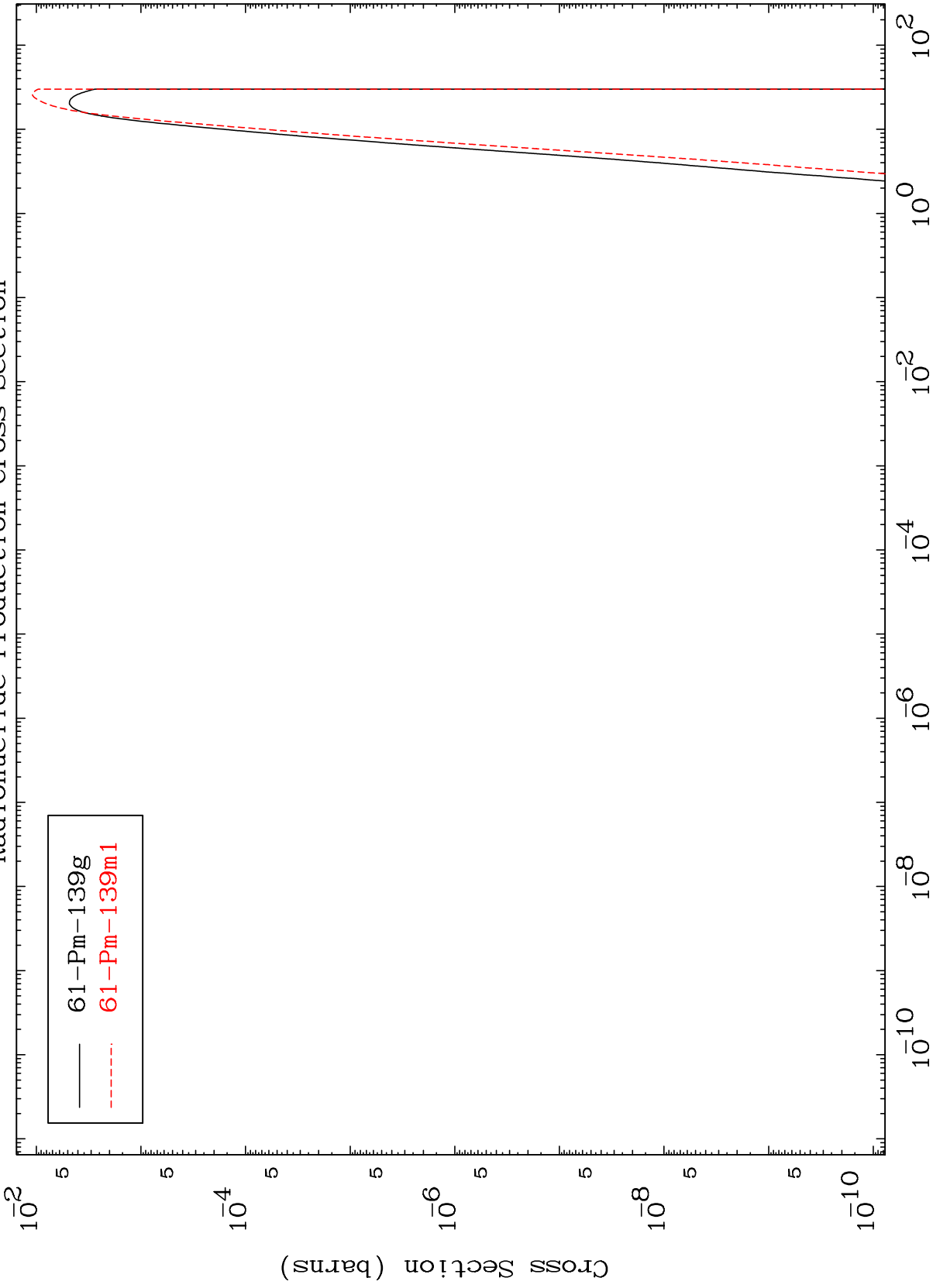
64-Gd-143

MAT 6398

(n,p) α

64-Gd-143

Radionuclide Production Cross Section



68

Incident Energy (MeV)

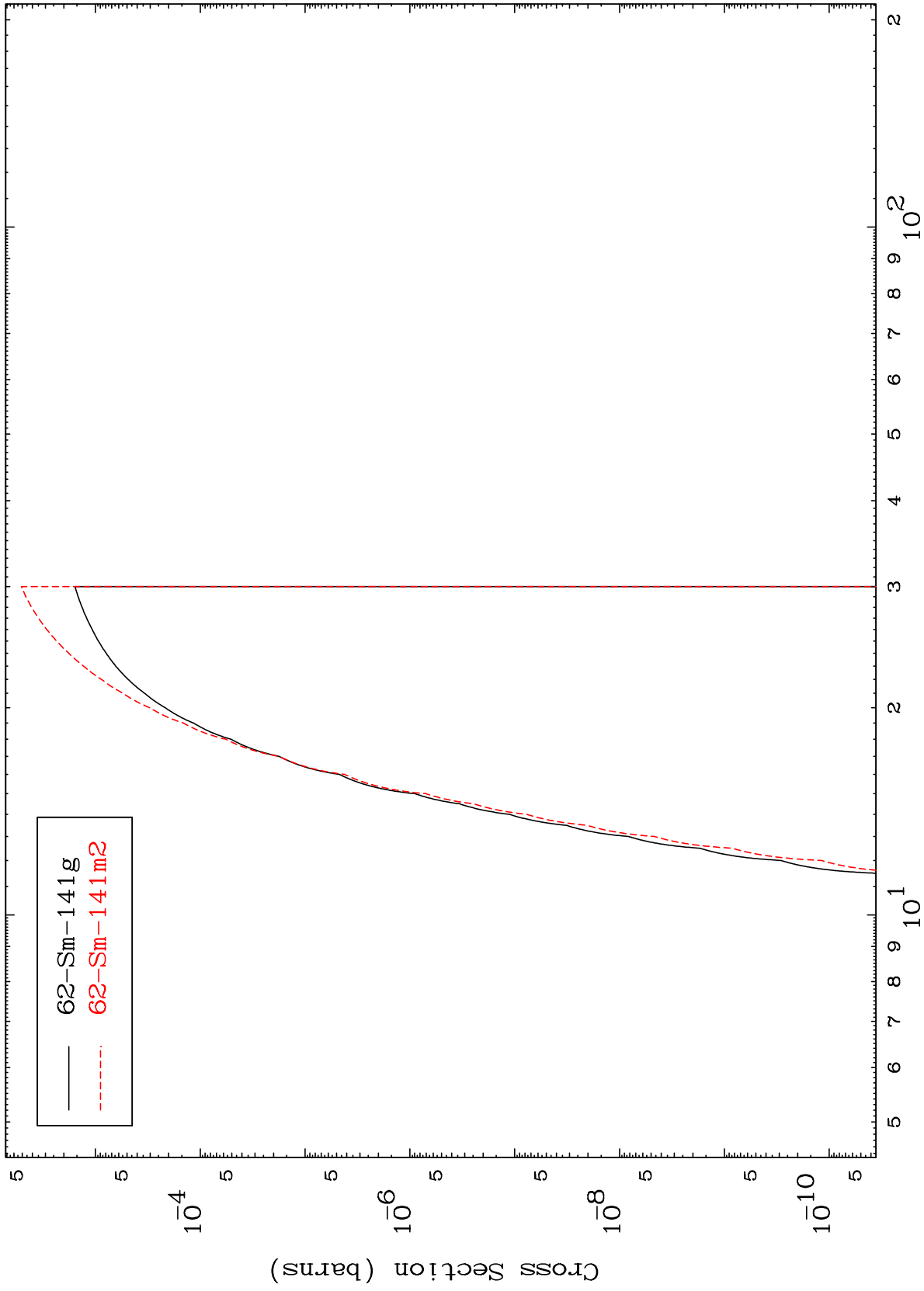
64-Gd-143

MAT 6398

(n,p) d

64-Gd-143

Radionuclide Production Cross Section



69

Incident Energy (MeV)

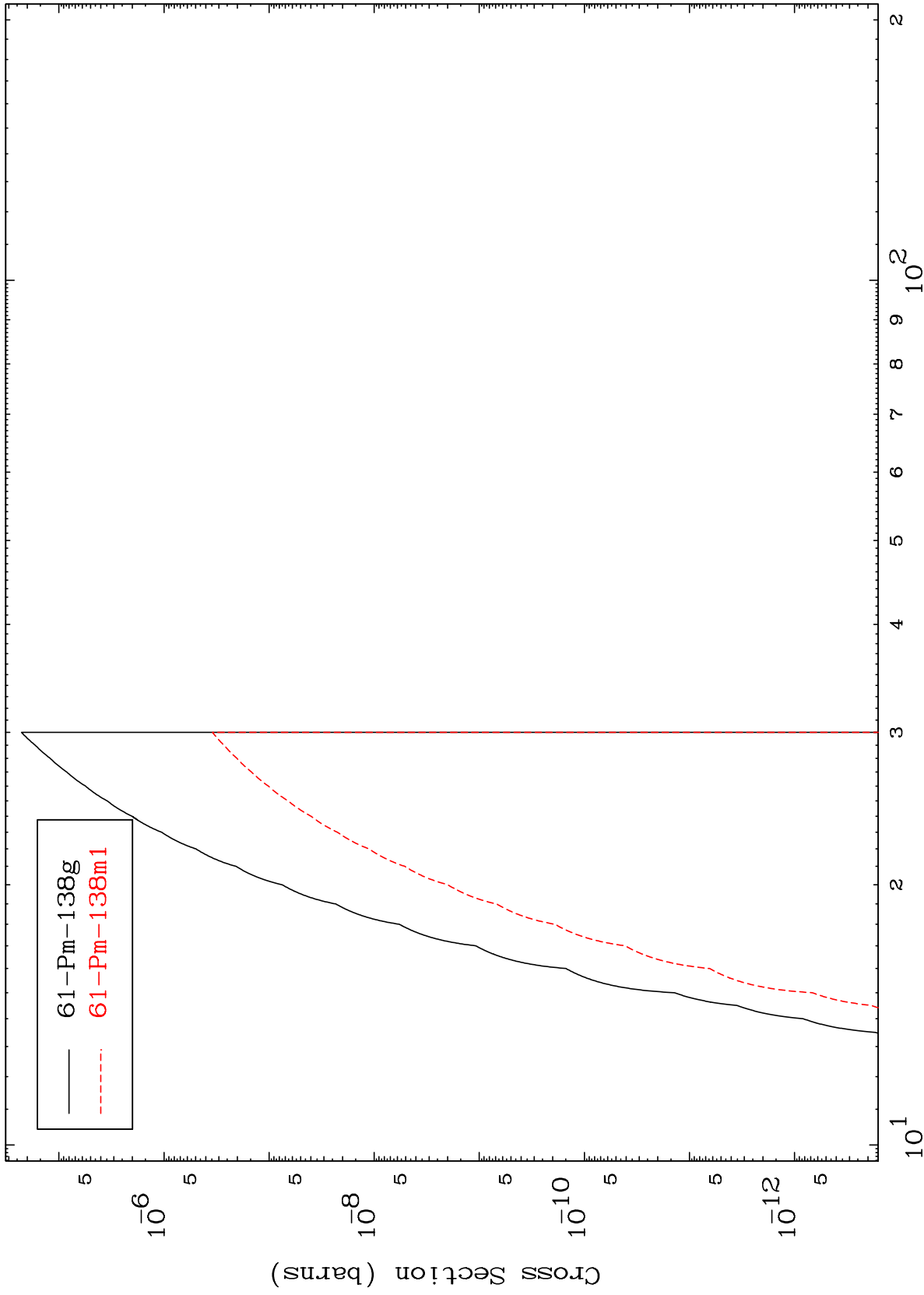
64-Gd-143

MAT 6398

(n,d) α

64-Gd-143

Radionuclide Production Cross Section



70

Incident Energy (MeV)

64-Gd-143