

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

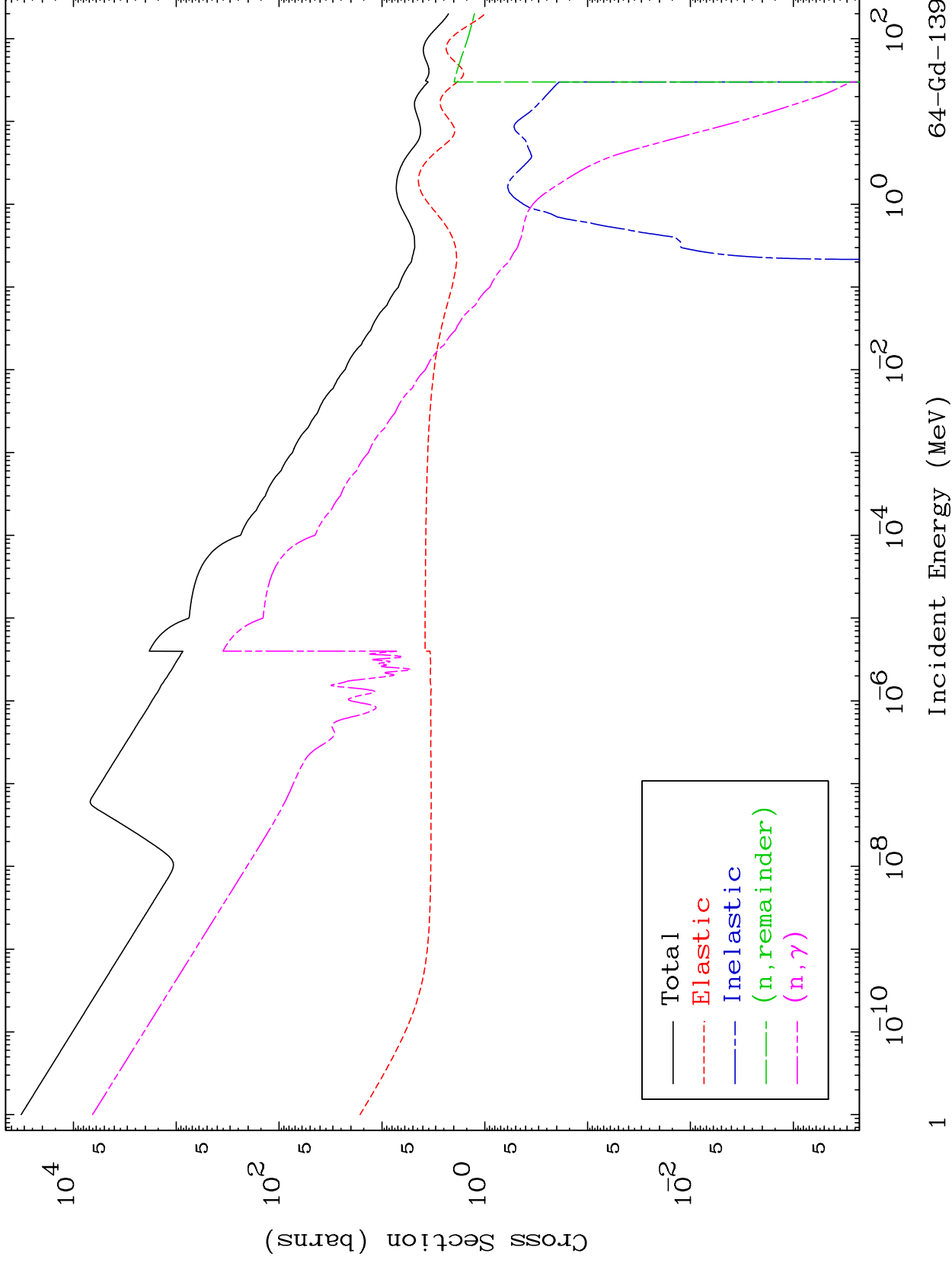
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Press Mouse Button to Start

MAT 6386

Major  
293 Kelvin Cross Sections

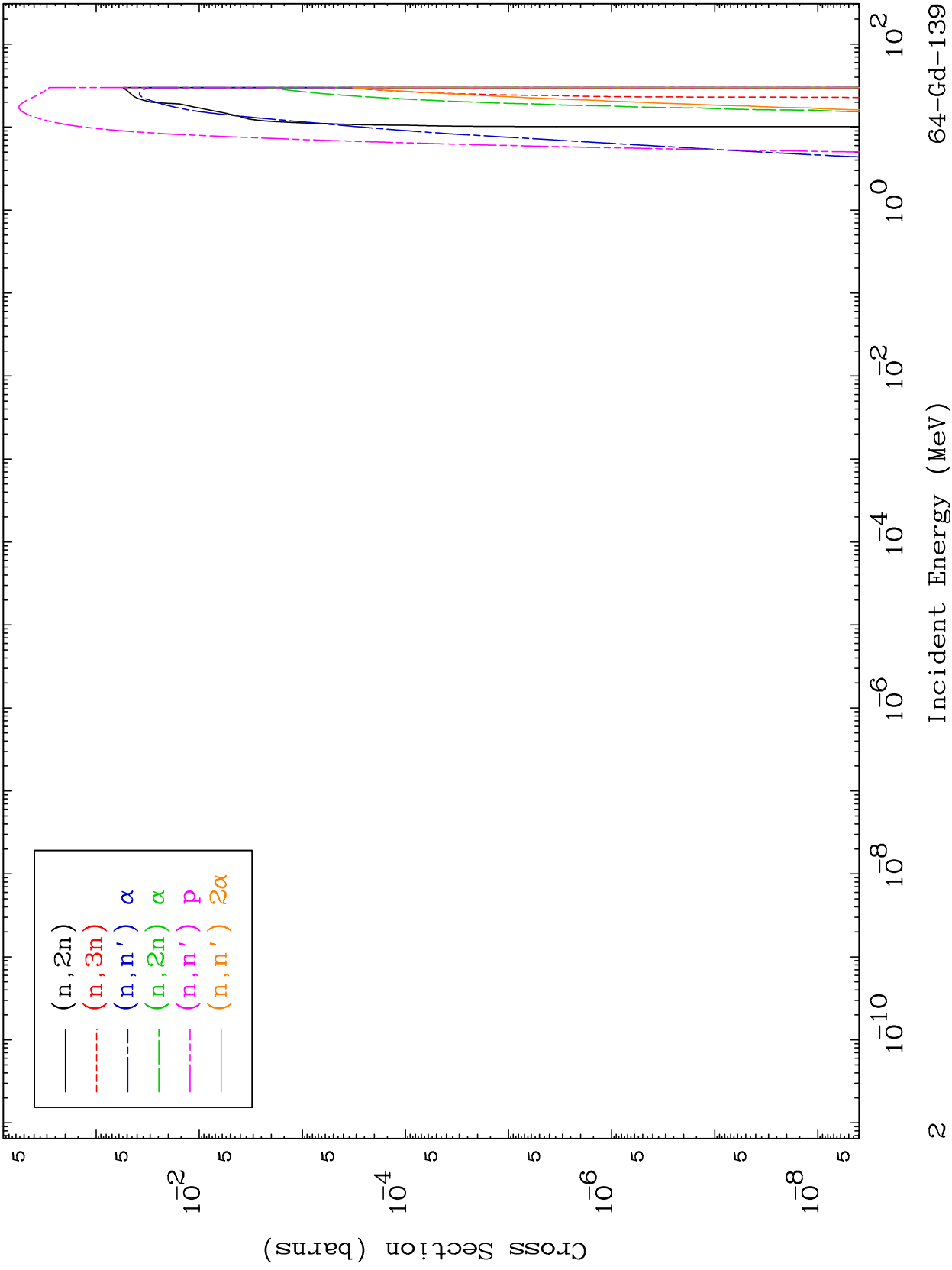
64-Gd-139

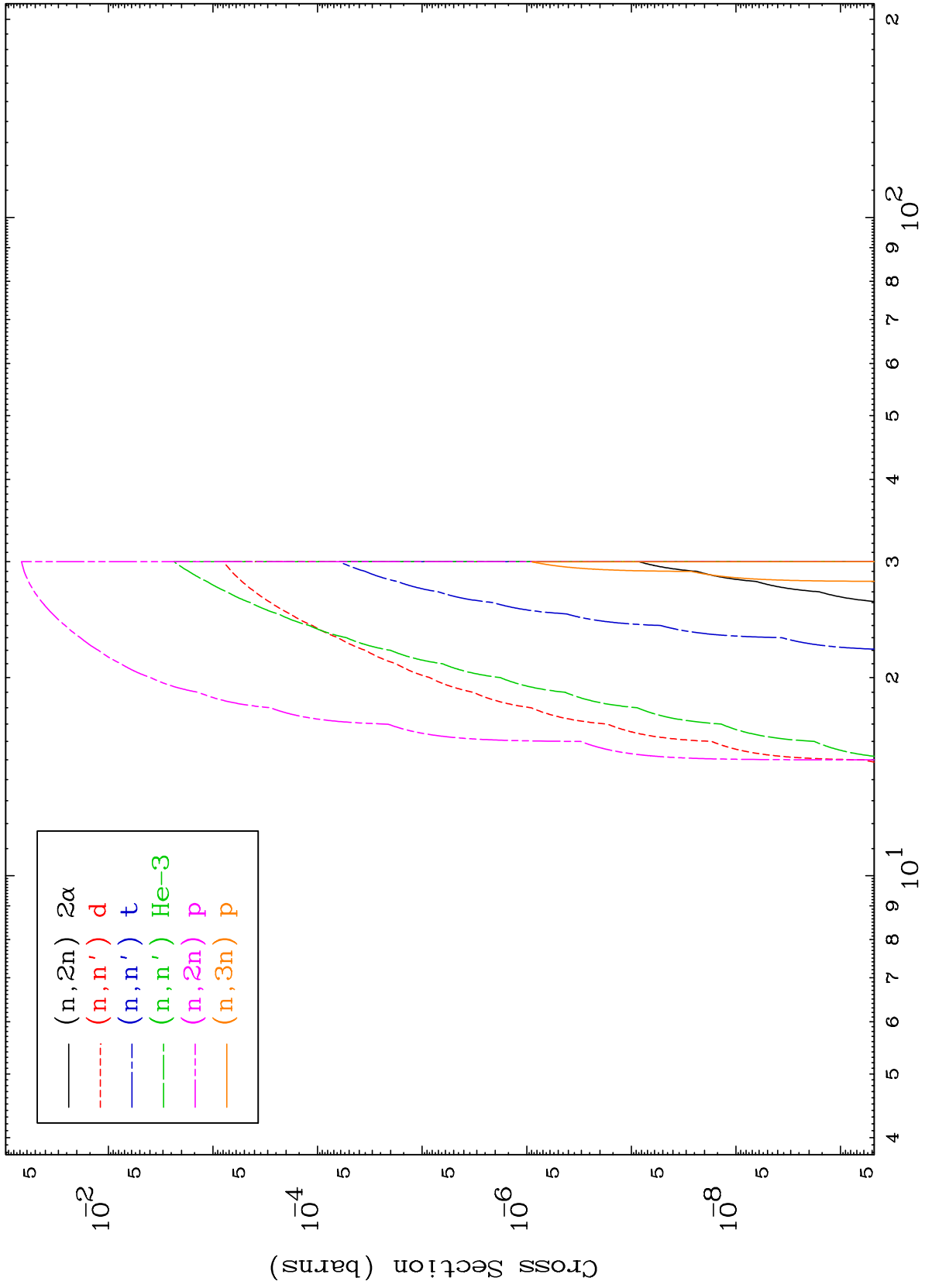


MAT 6386

Neutron Production  
293 Kelvin Cross Sections

64-Gd-139

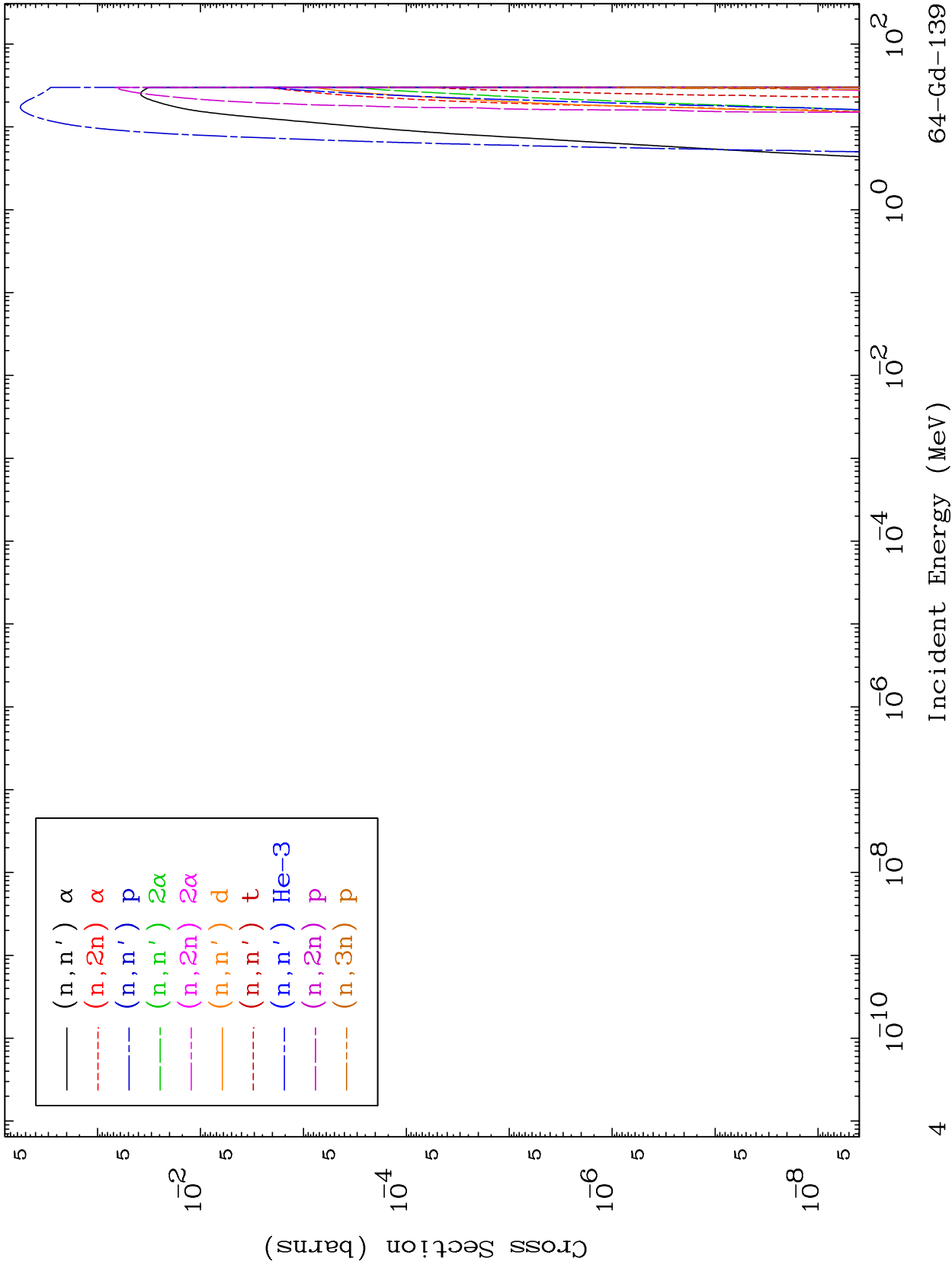




MAT 6386

Charged Particle  
293 Kelvin Cross Sections

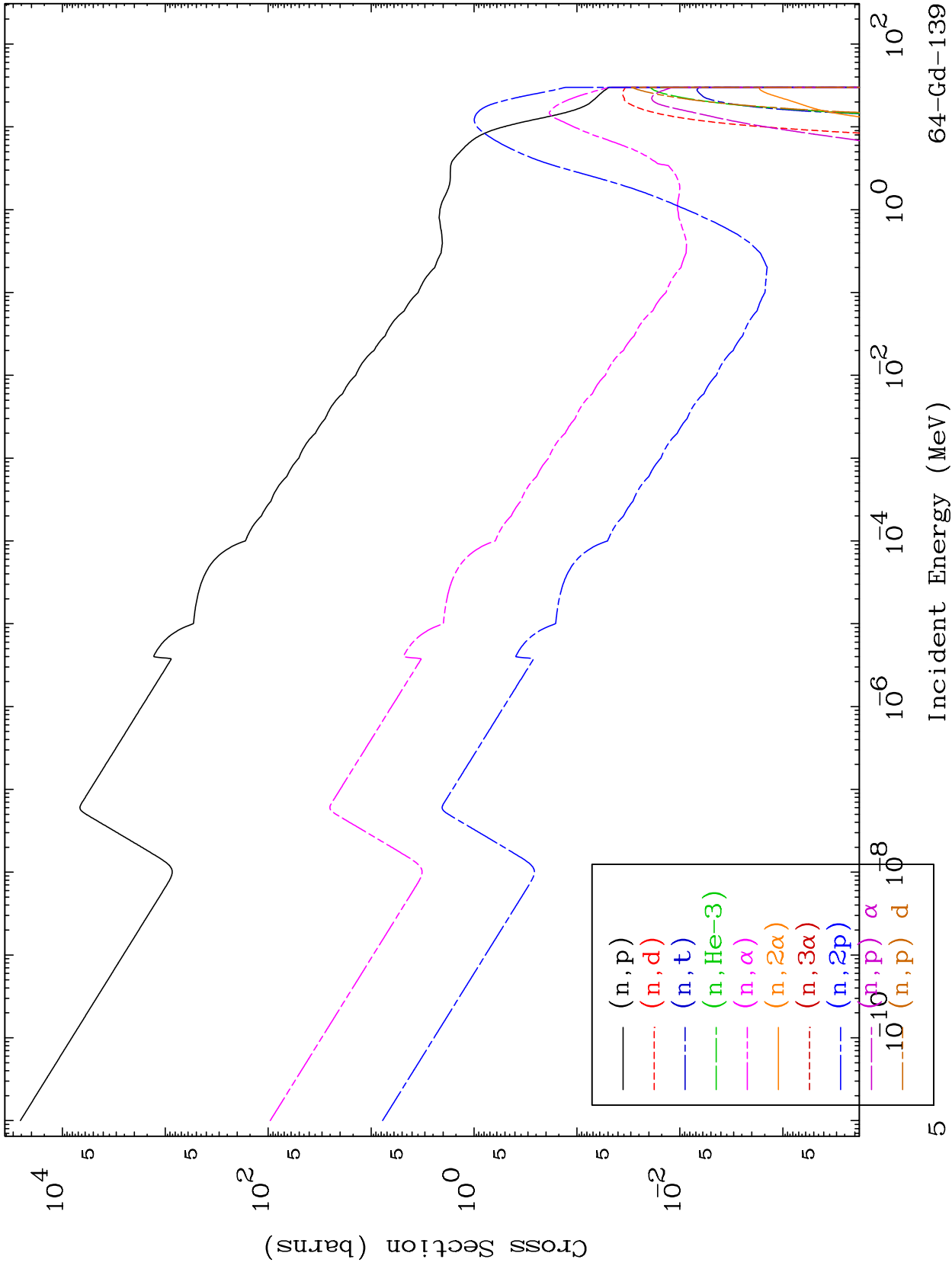
64-Gd-139



MAT 6386

Charged Particle  
293 Kelvin Cross Sections

64-Gd-139

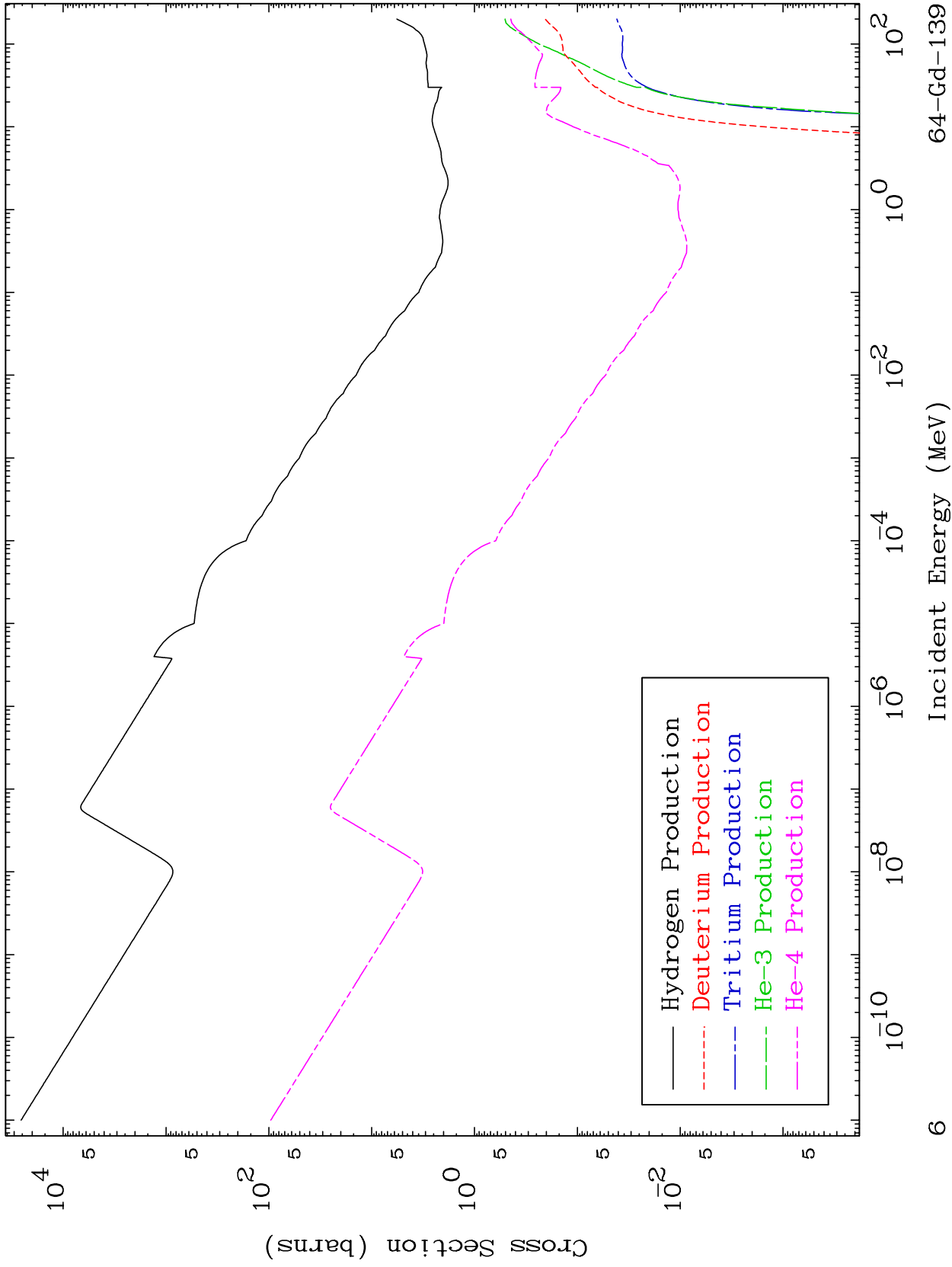


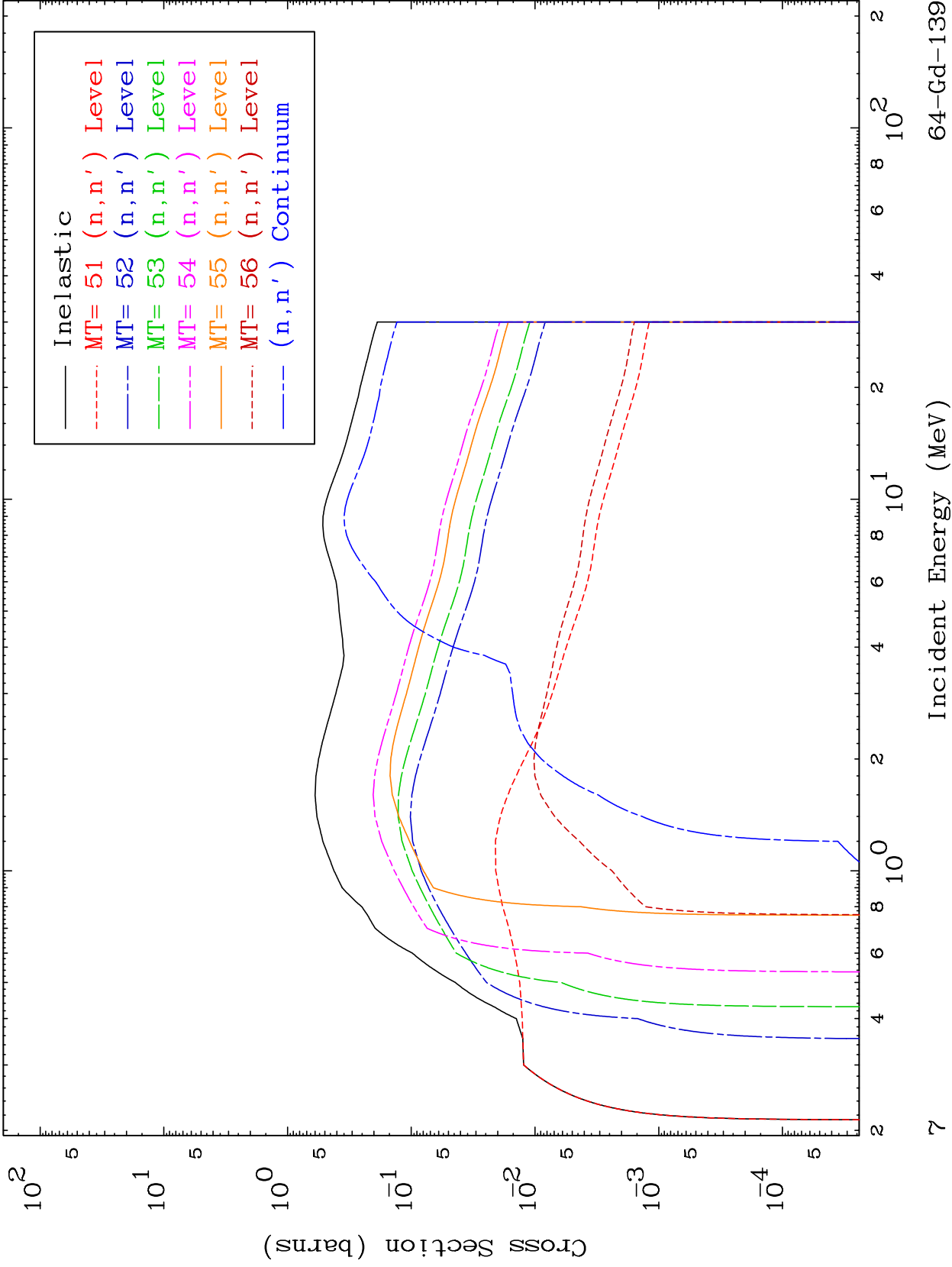
64-Gd-139

MAT 6386

Particle Production  
293 Kelvin Cross Sections

64-Gd-139





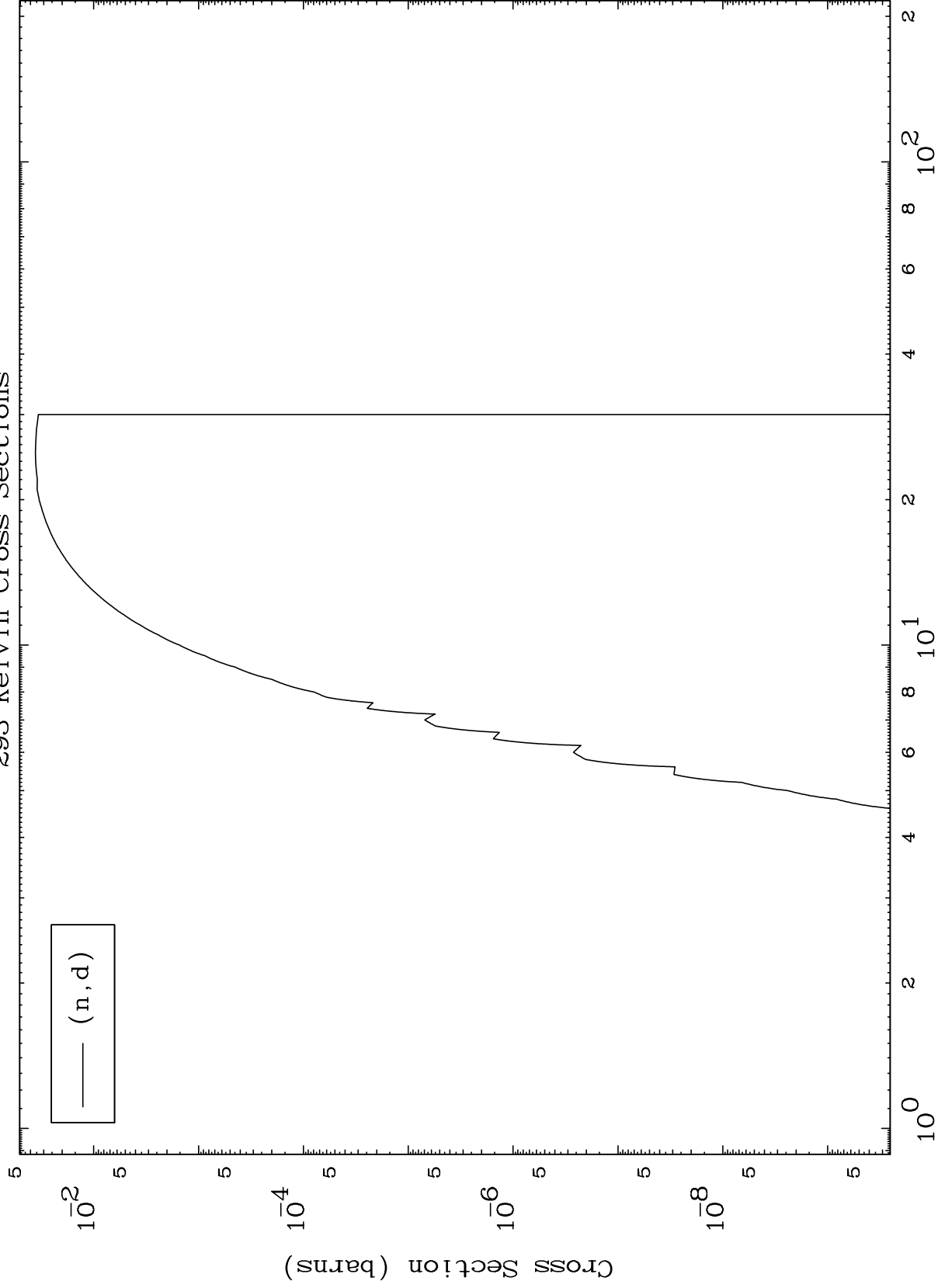




MAT 6386

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-139



9

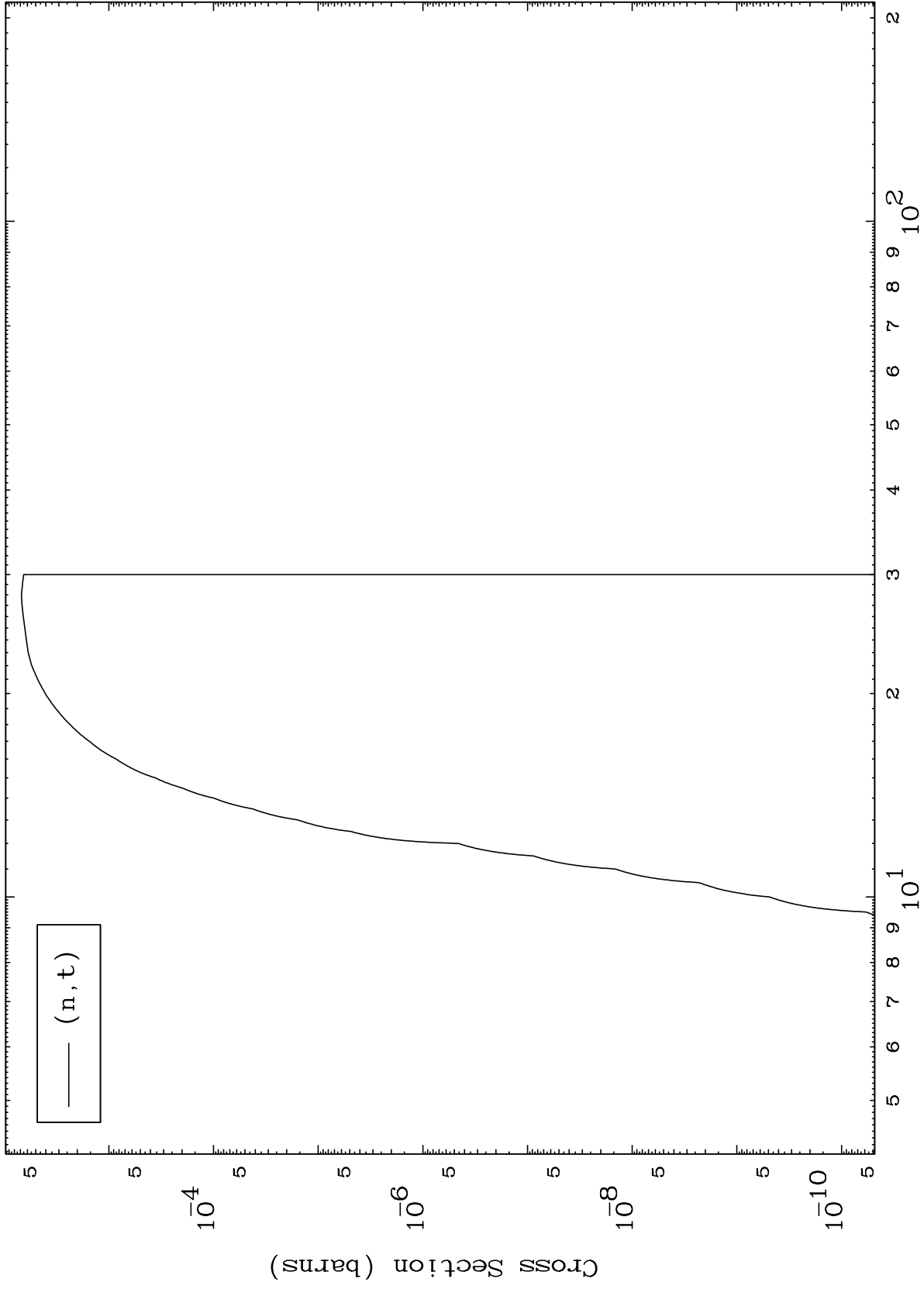
Incident Energy (MeV)

64-Gd-139

MAT 6386

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-139



10

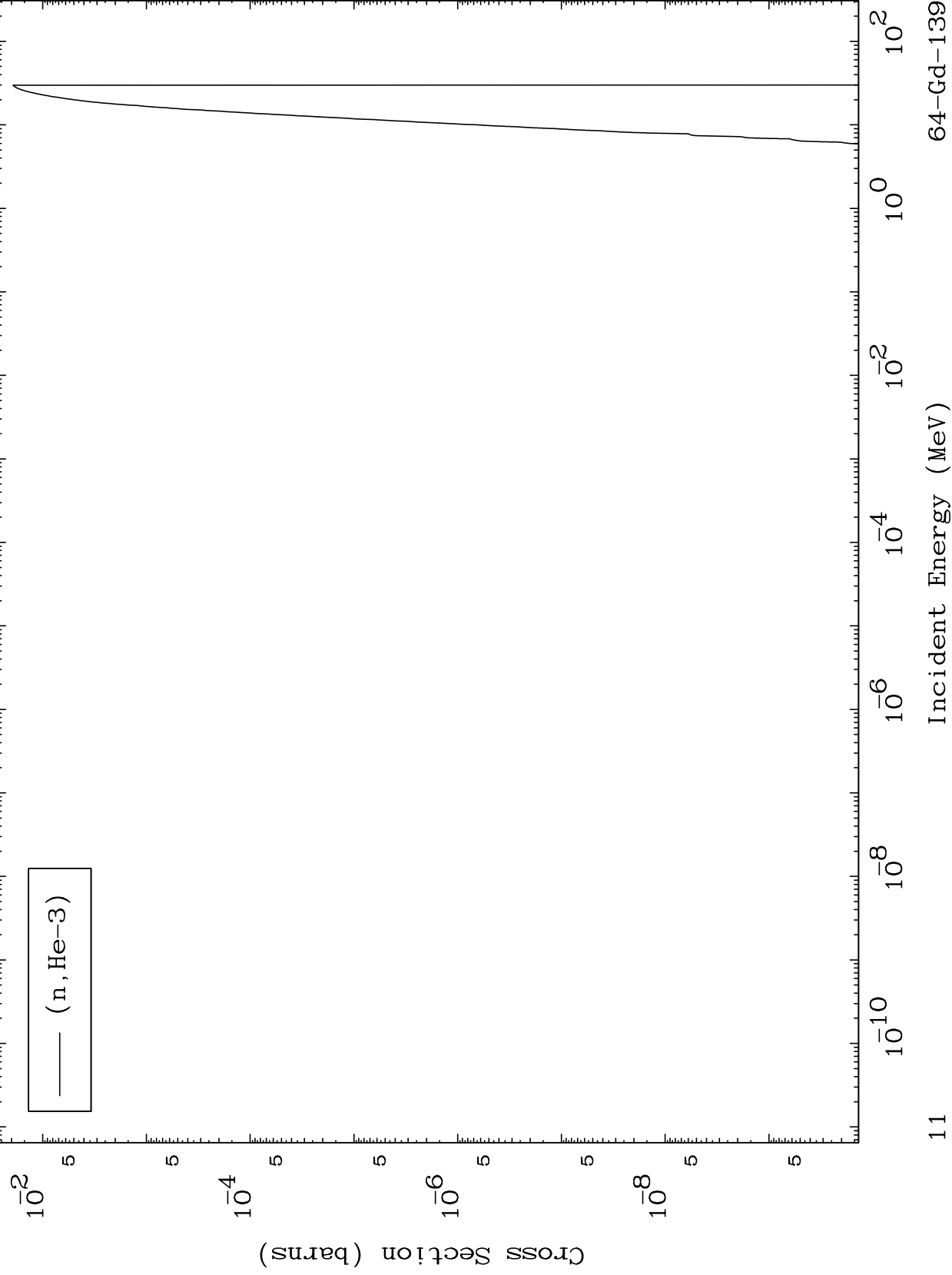
Incident Energy (MeV)

64-Gd-139

MAT 6386

(n,He3) Levels  
293 Kelvin Cross Sections

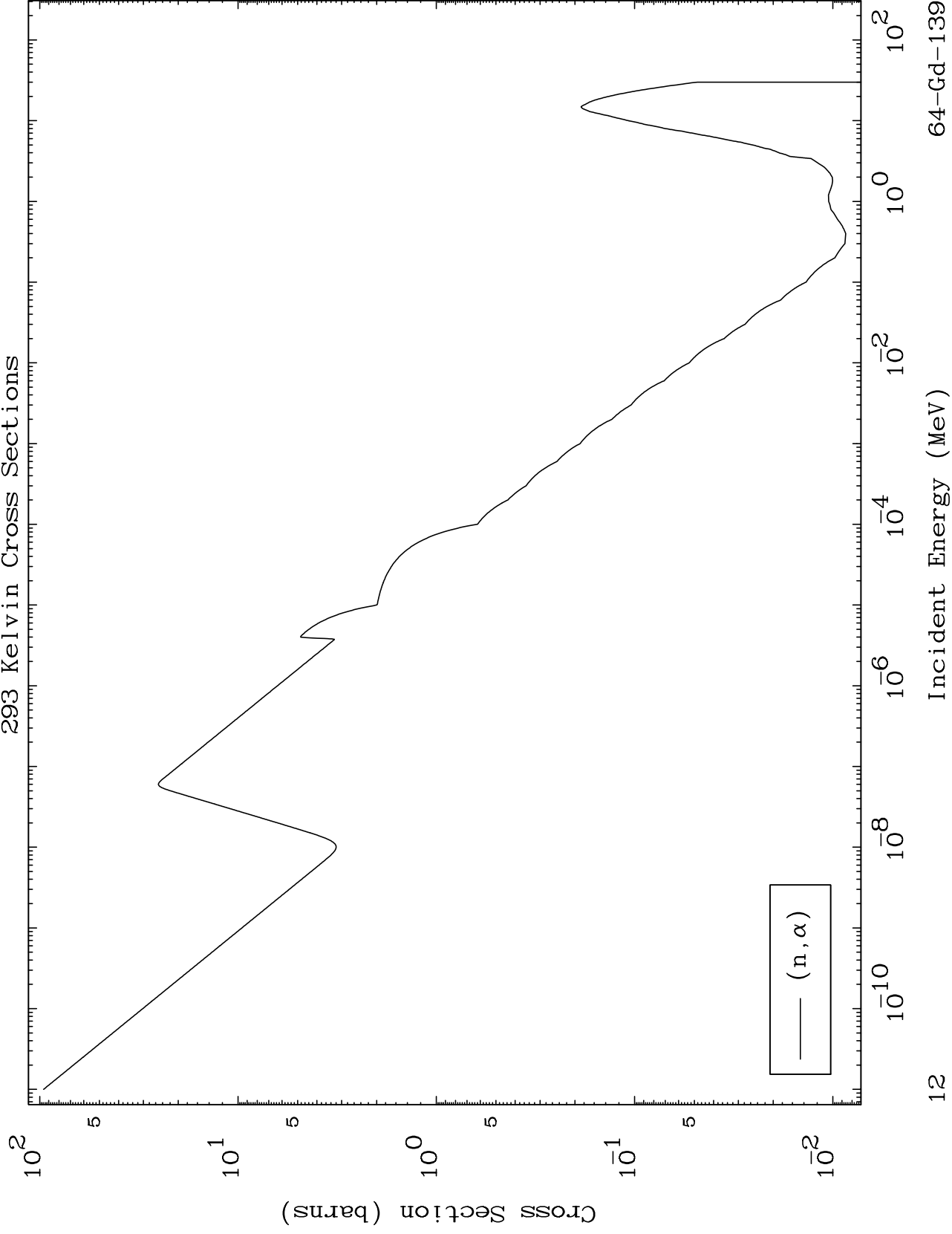
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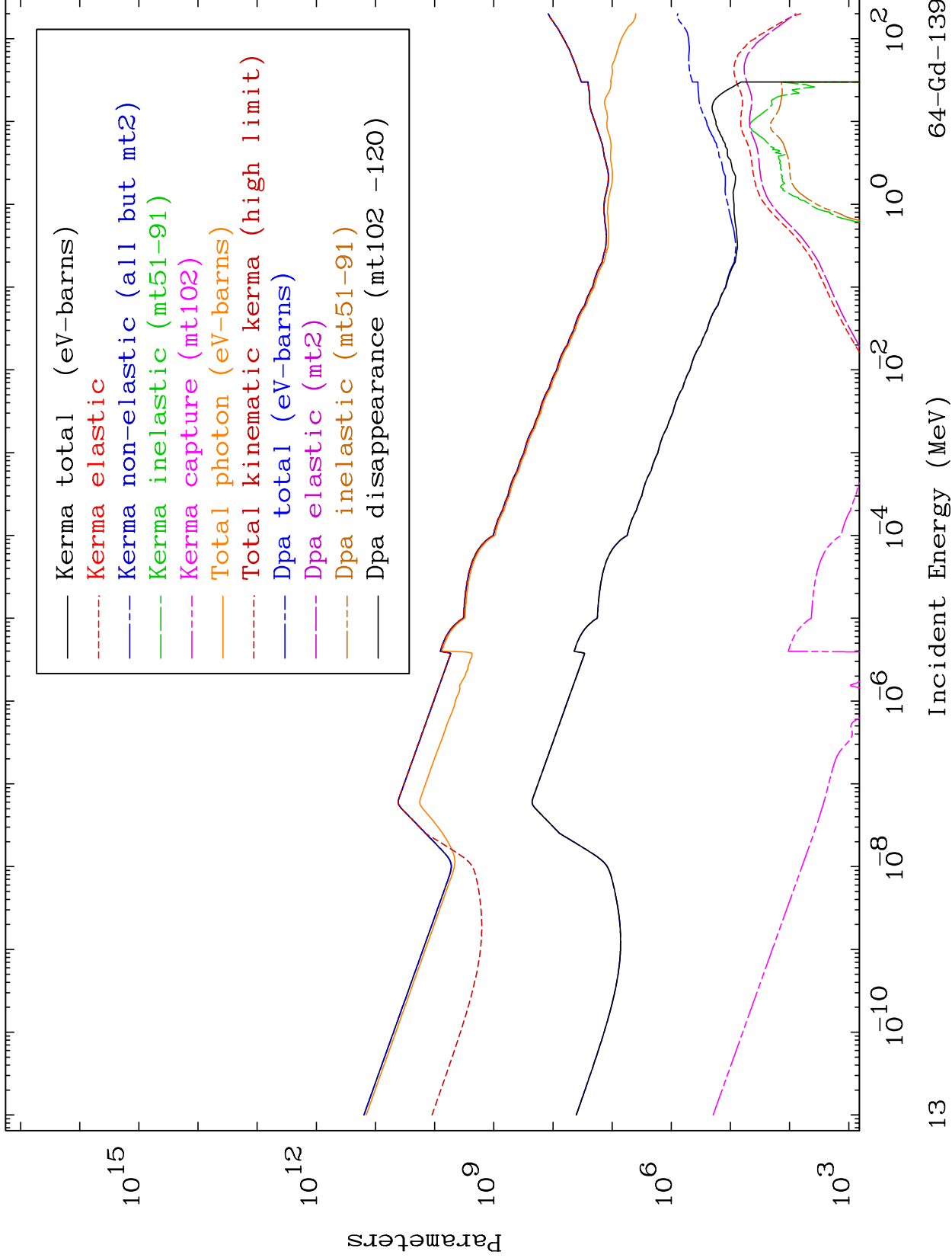
MAT 6386

(n,α) Levels  
293 Kelvin Cross Sections

64-Gd-139



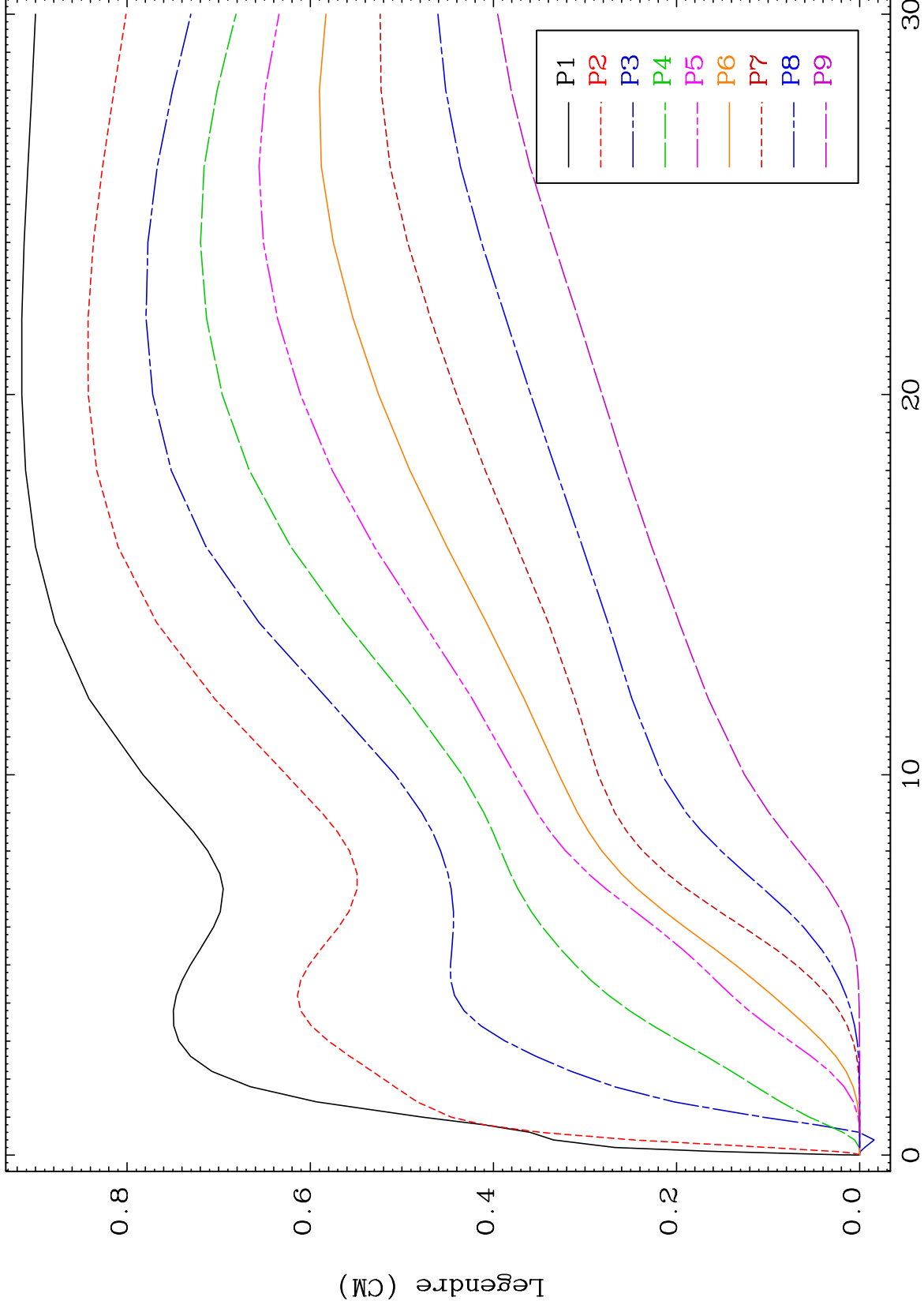
12



MAT 6386

64-Gd-139

Elastic Legendre Coefficients



64-Gd-139

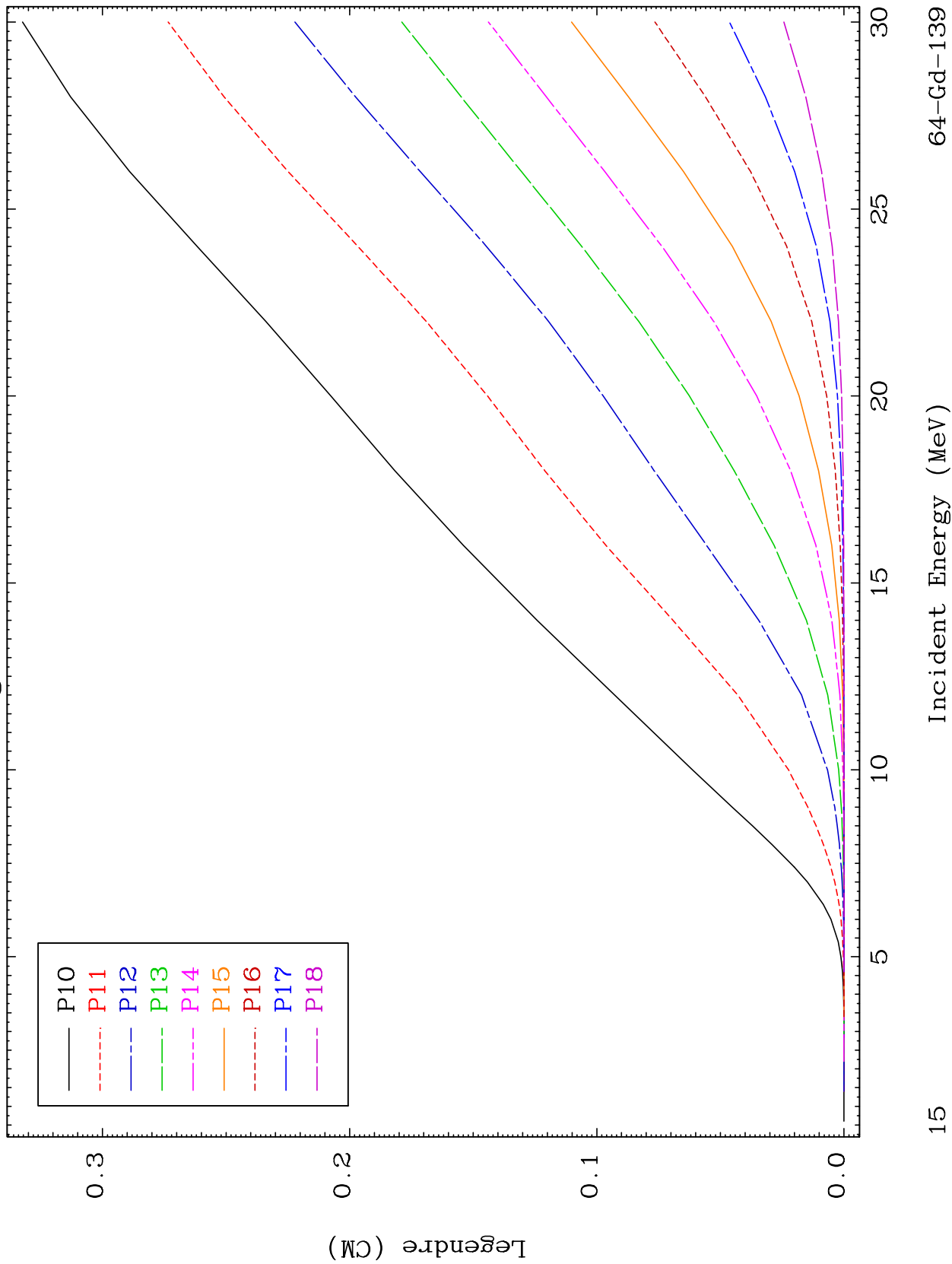
Incident Energy (MeV)

14

MAT 6386

Elastic Legendre Coefficients

64-Gd-139



15

Incident Energy (MeV)

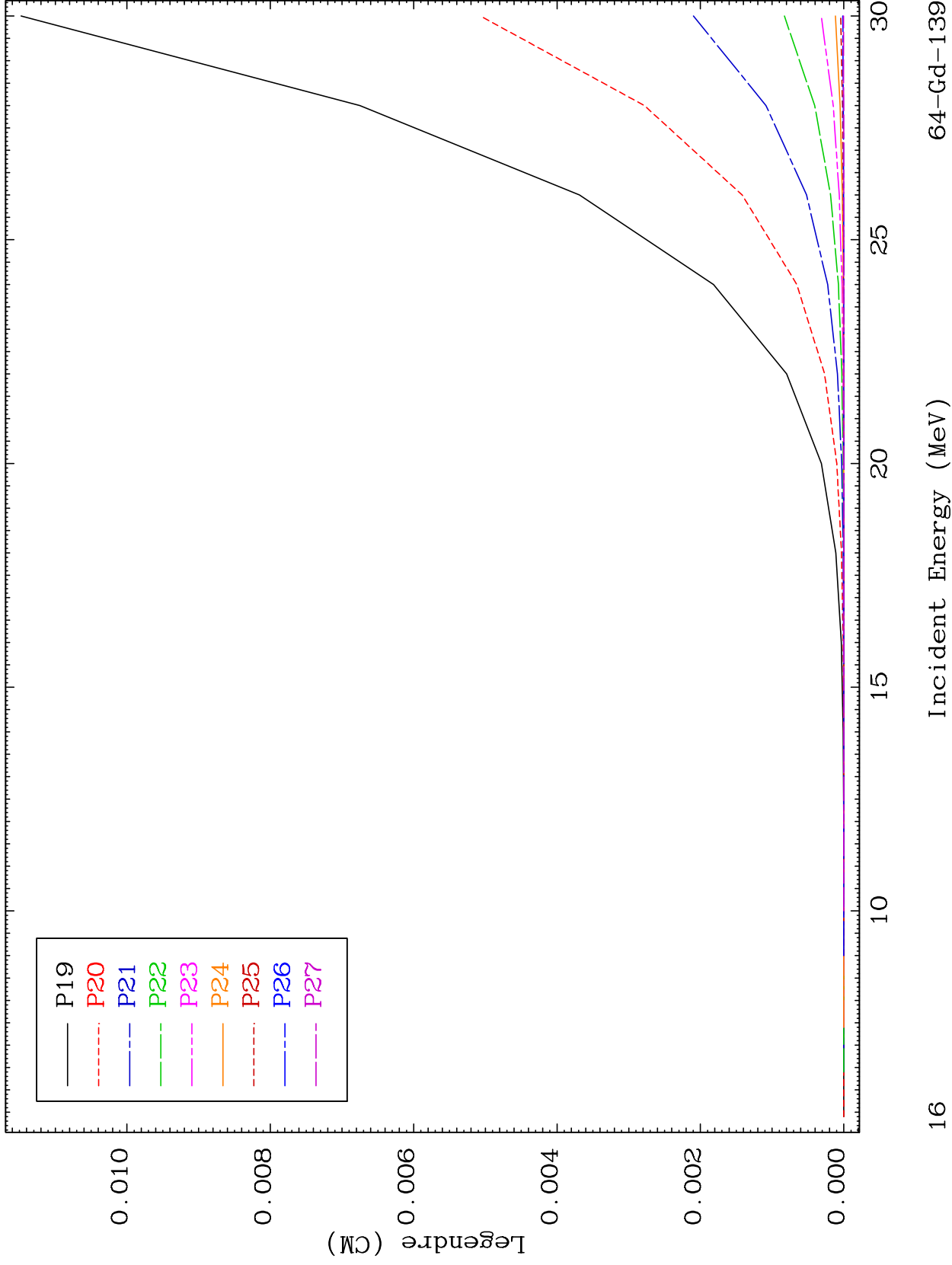
64-Gd-139



MAT 6386

Elastic Legendre Coefficients

64-Gd-139



16

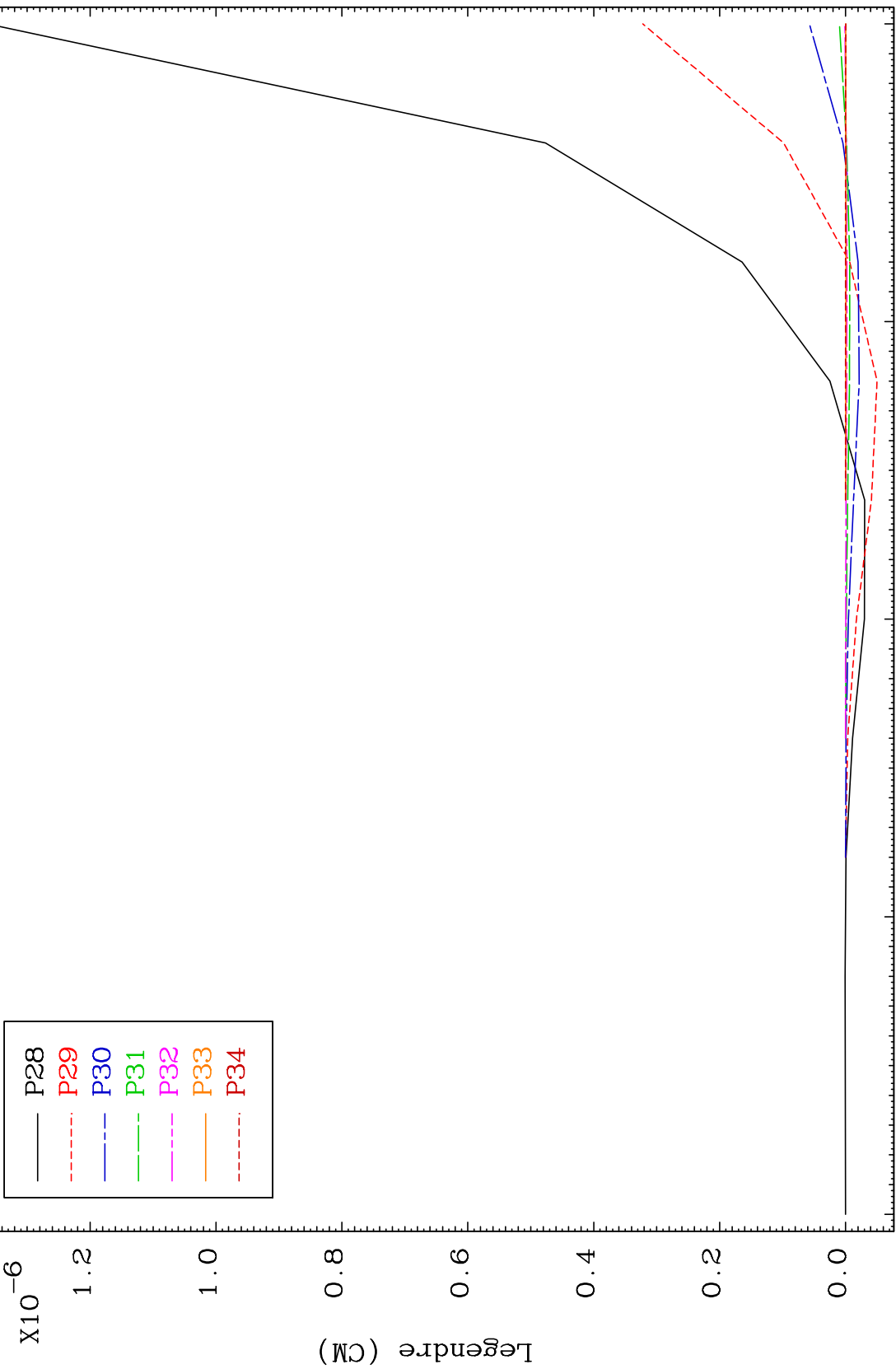
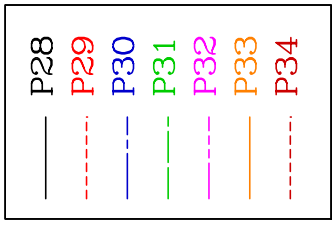
Incident Energy (MeV)

64-Gd-139

MAT 6386

Elastic Legendre Coefficients

64-Gd-139



17

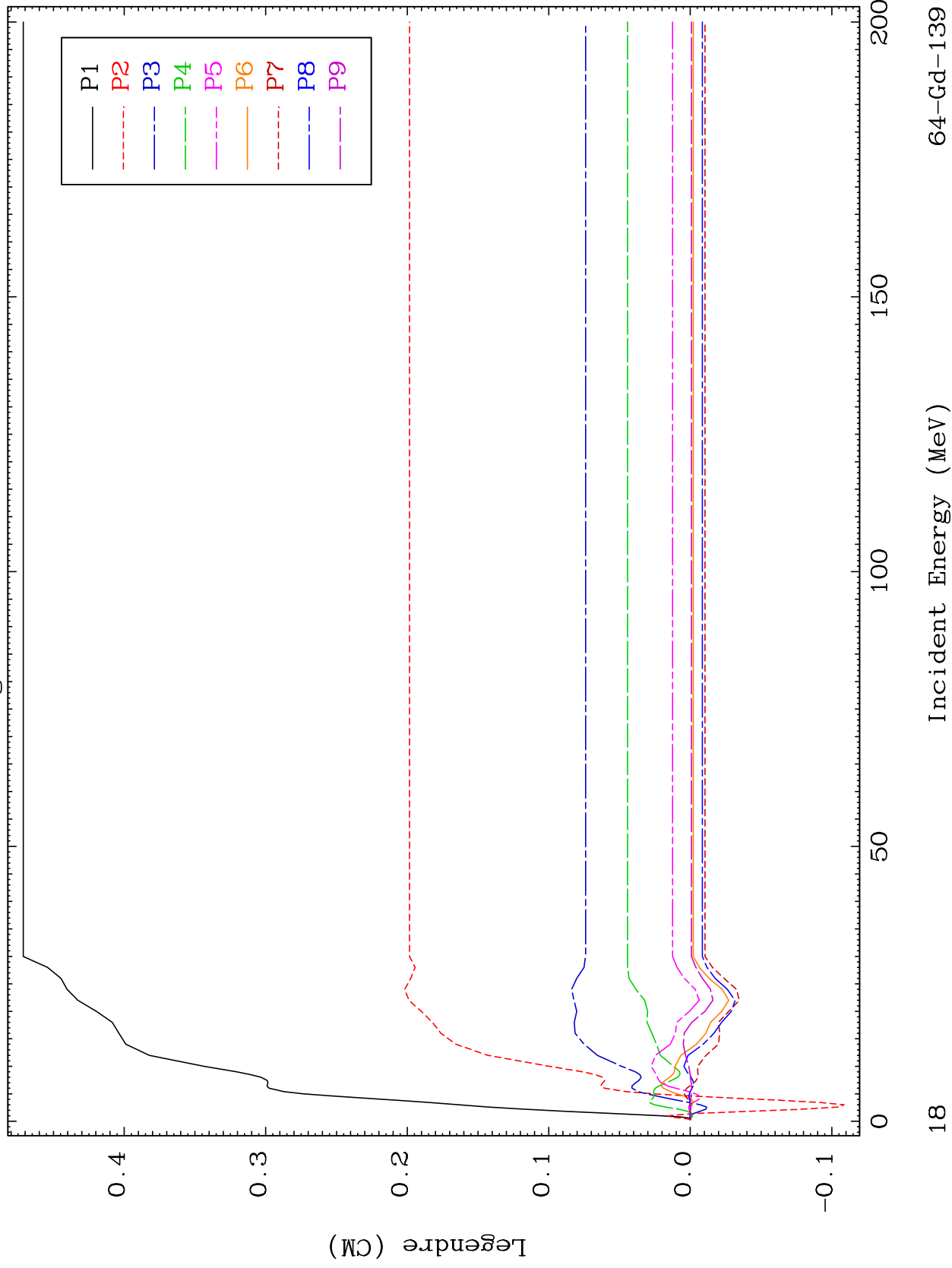
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



64-Gd-139

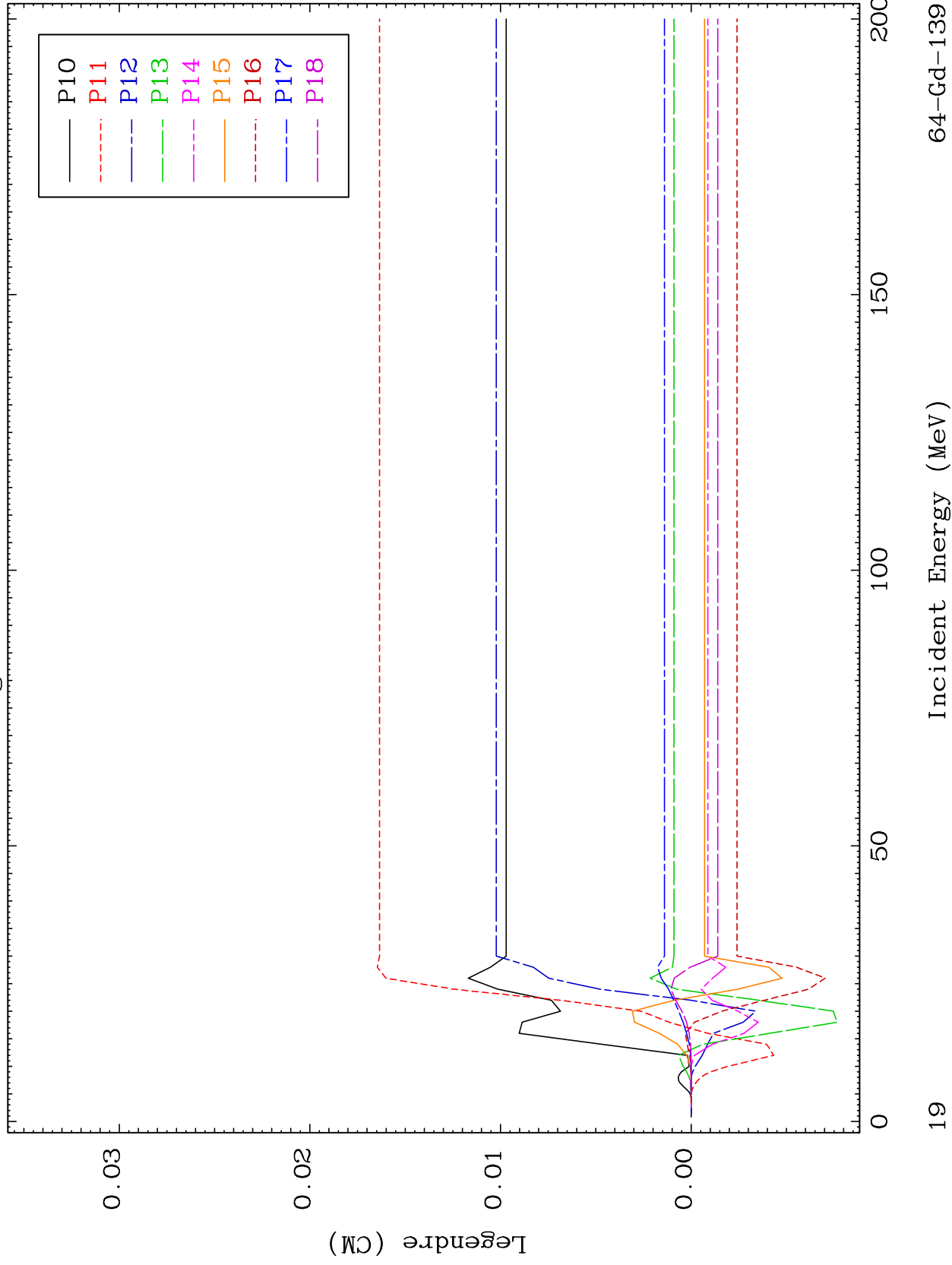
Incident Energy (MeV)

18

MAT 6386

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

64-Gd-139



64-Gd-139

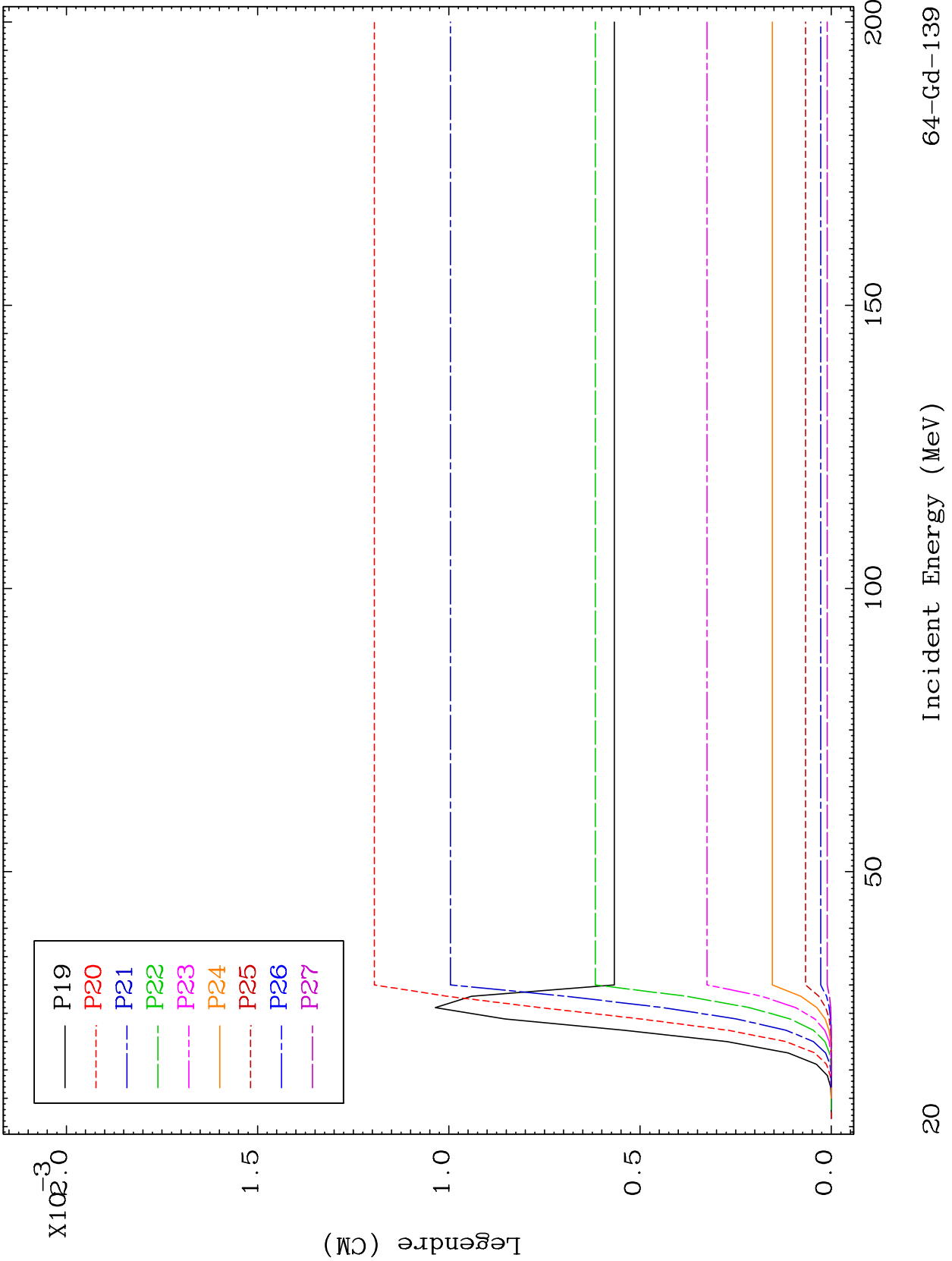
Incident Energy (MeV)

19

MAT 6386

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

64-Gd-139

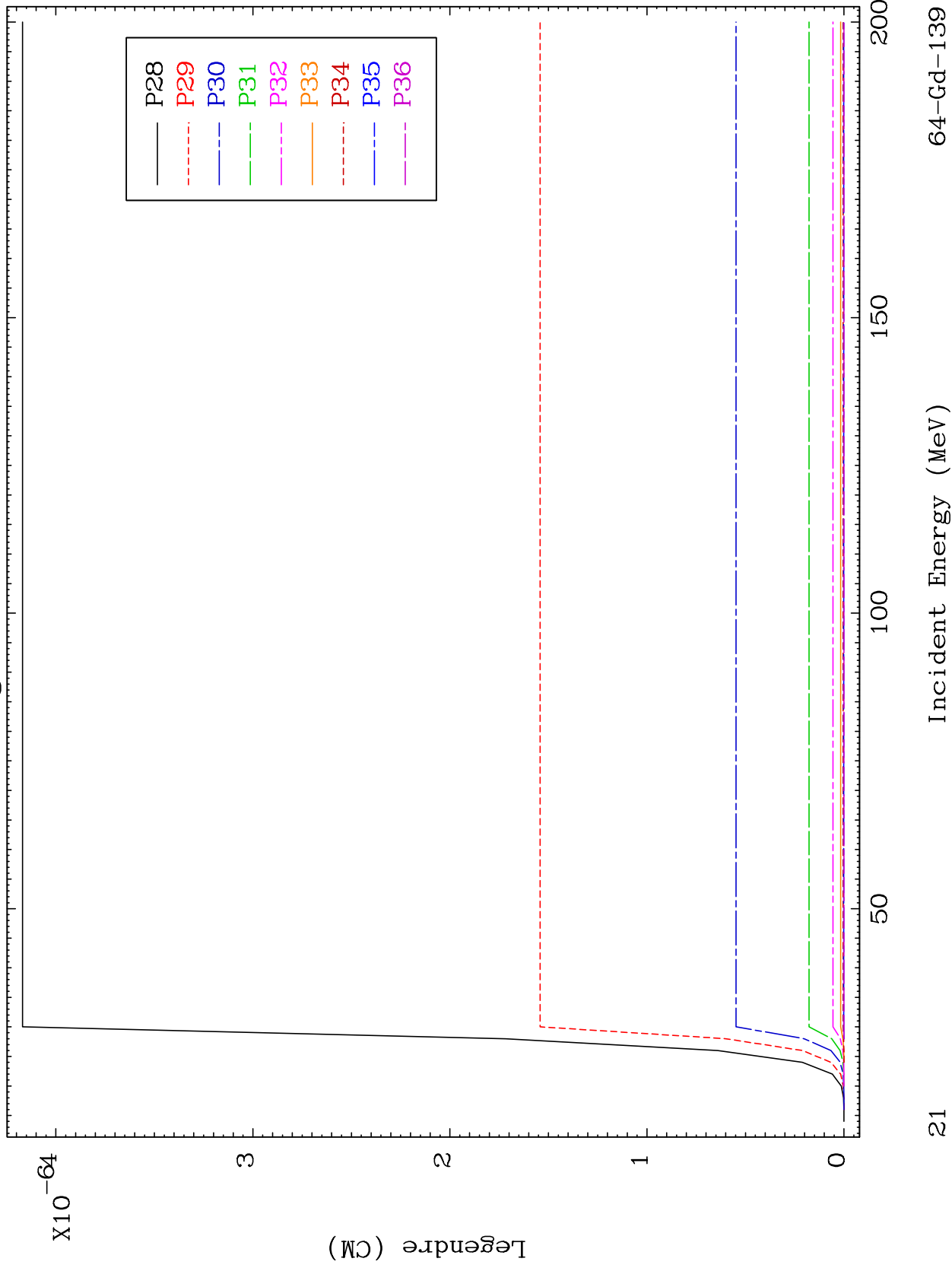


64-Gd-139

MAT 6386

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

64-Gd-139



21

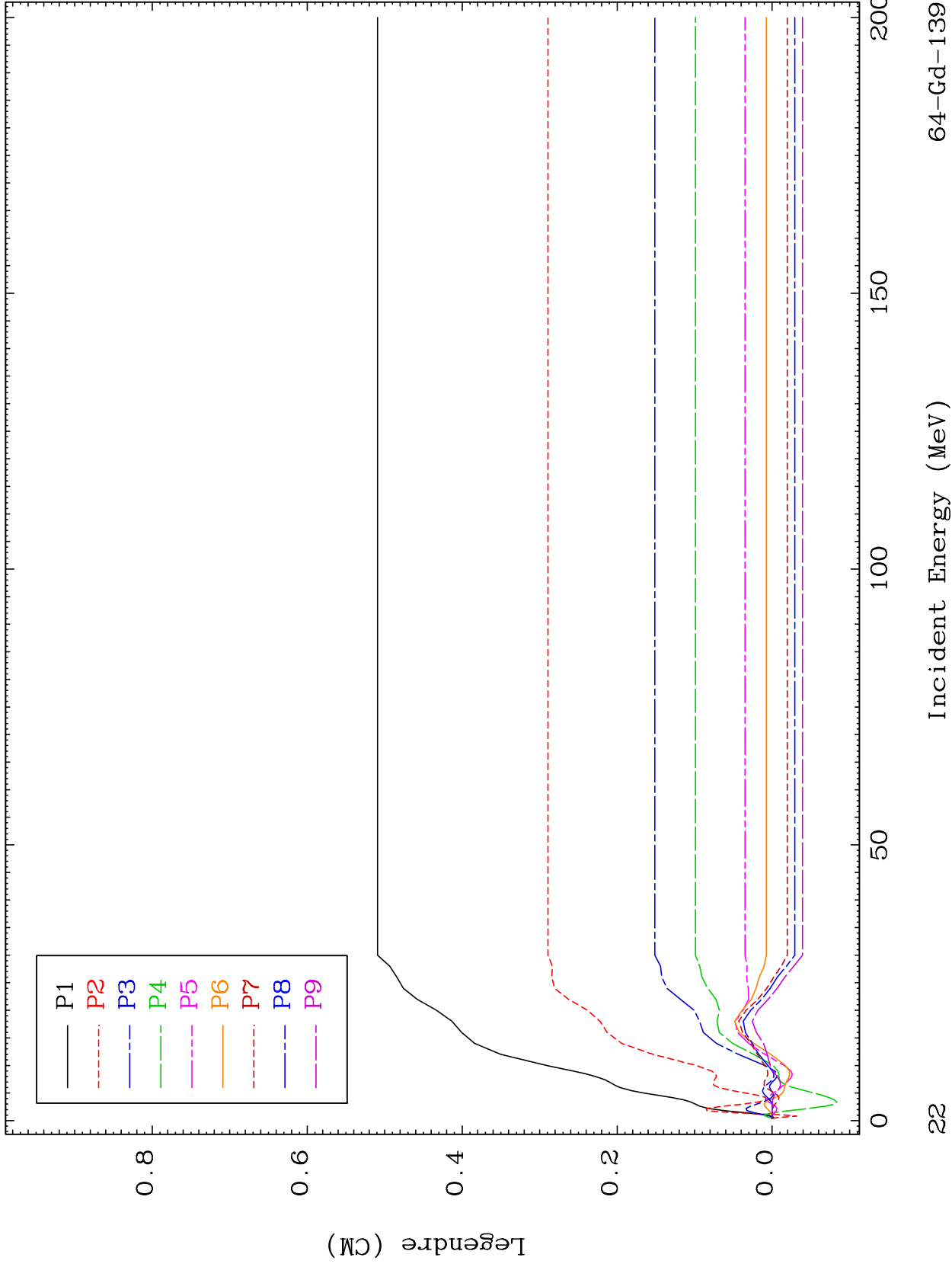
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



64-Gd-139

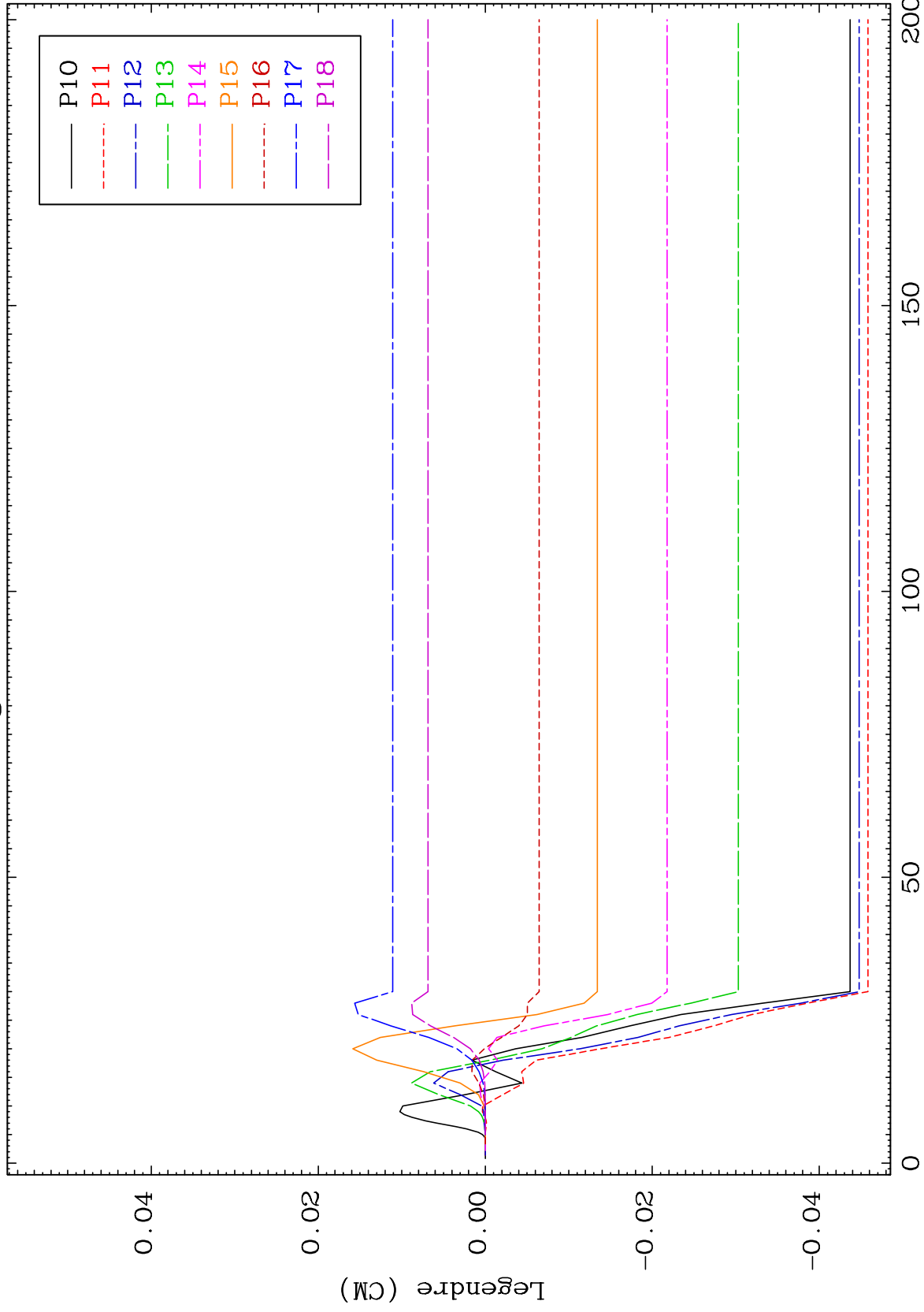
Incident Energy (MeV)

22

MAT 6386

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

64-Gd-139



23

Incident Energy (MeV)

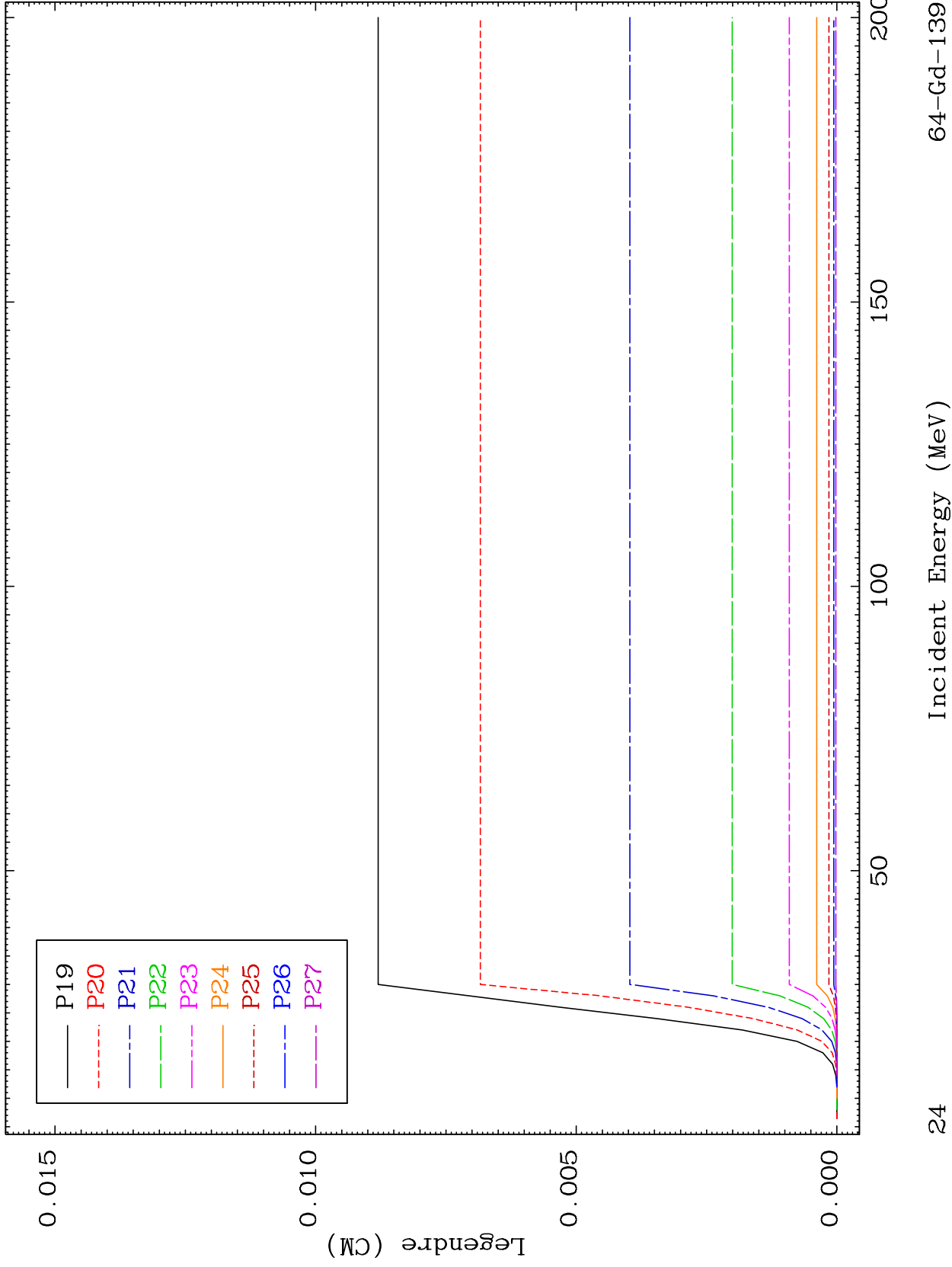
64-Gd-139



MAT 6386

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

64-Gd-139



24

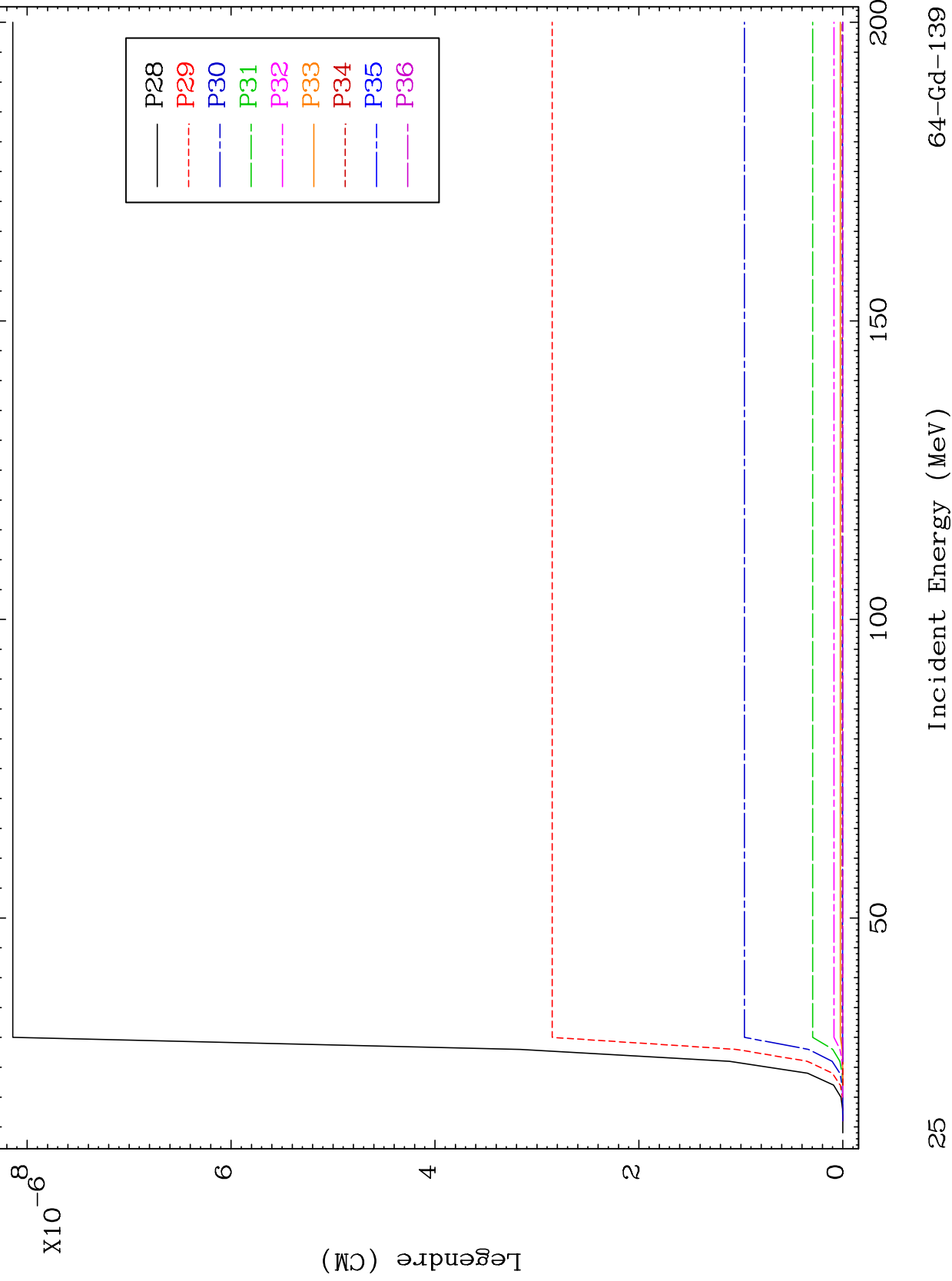
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

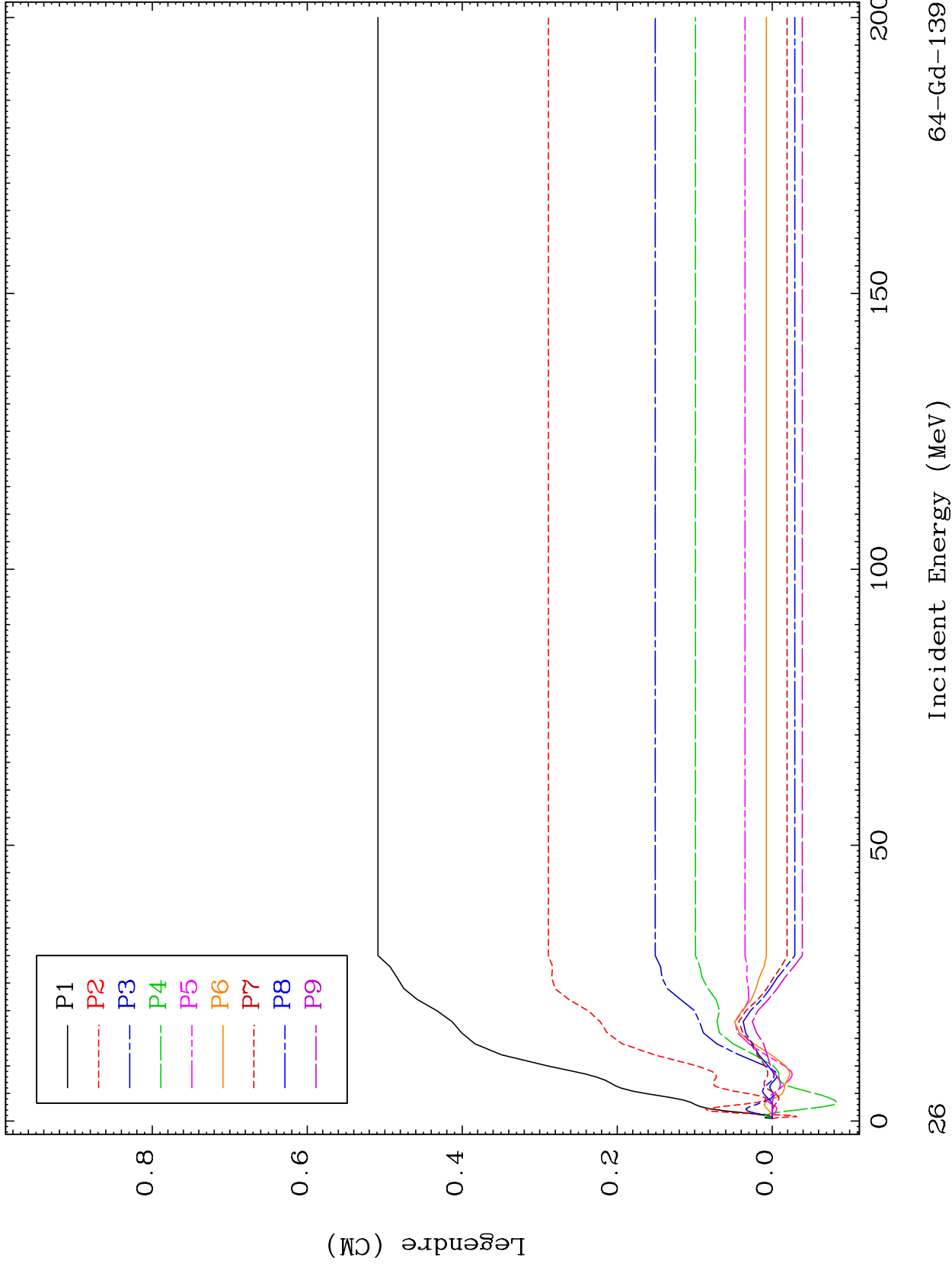
64-Gd-139



MAT 6386

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

64-Gd-139



26

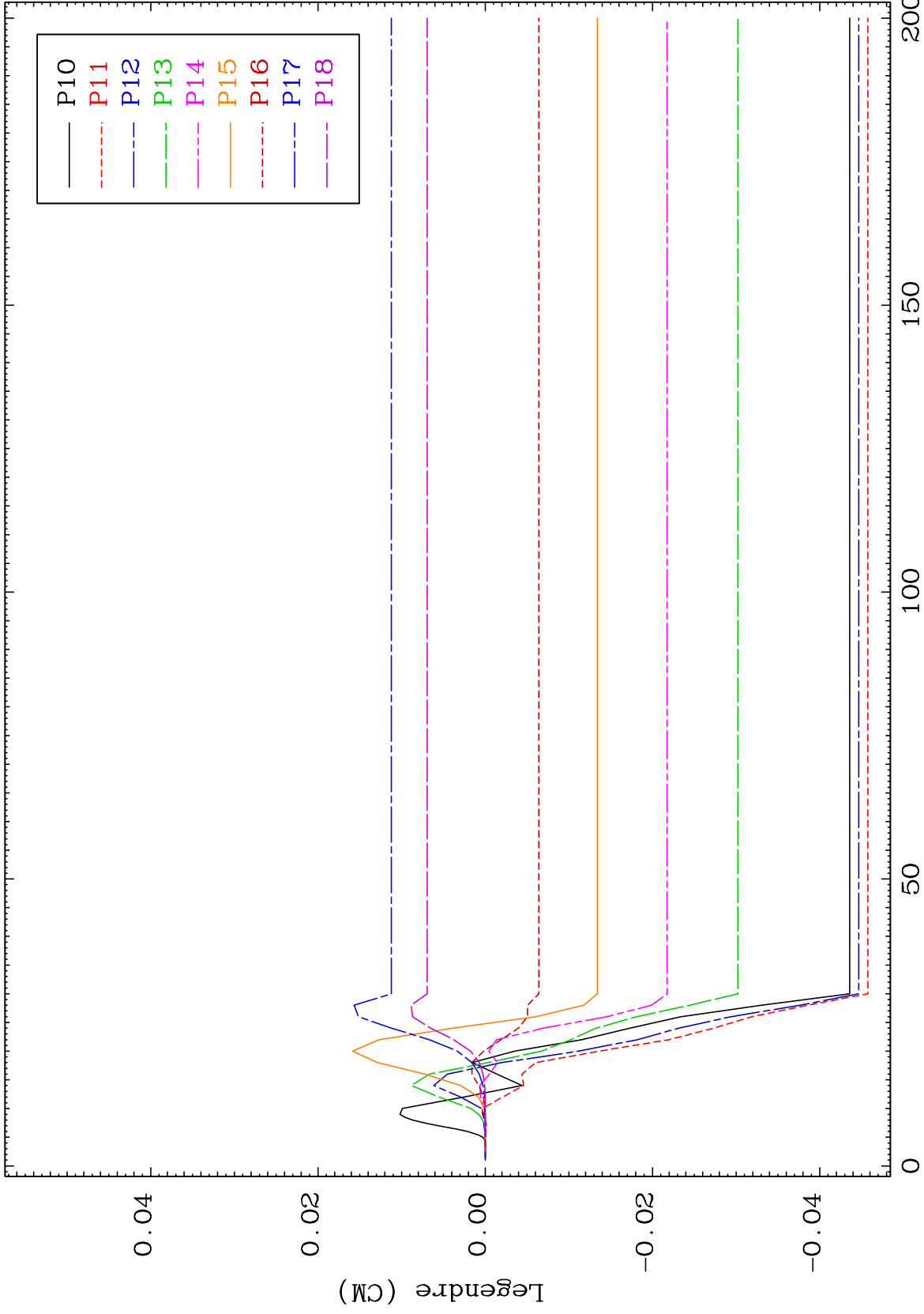
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

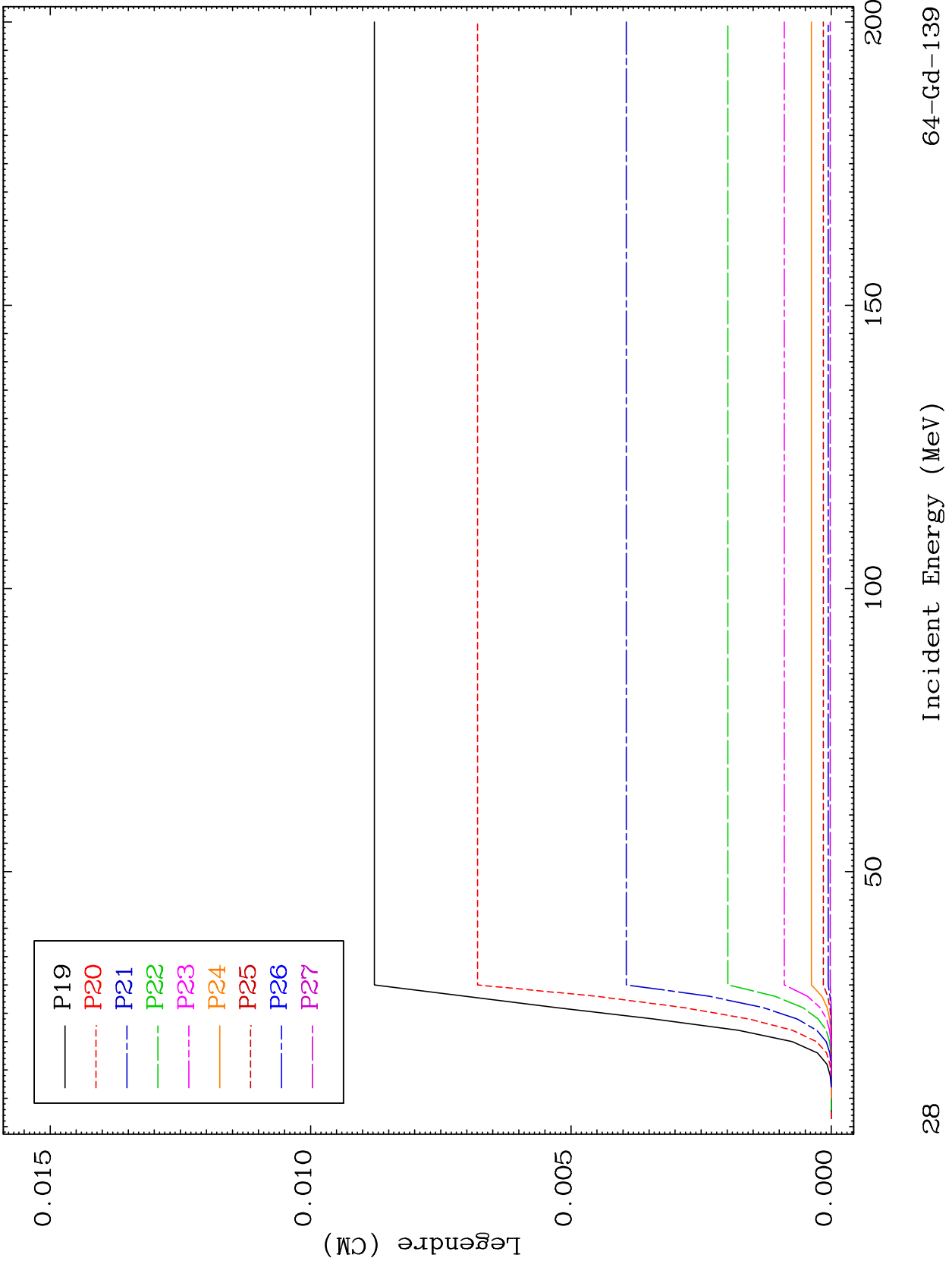
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27

Incident Energy (MeV)

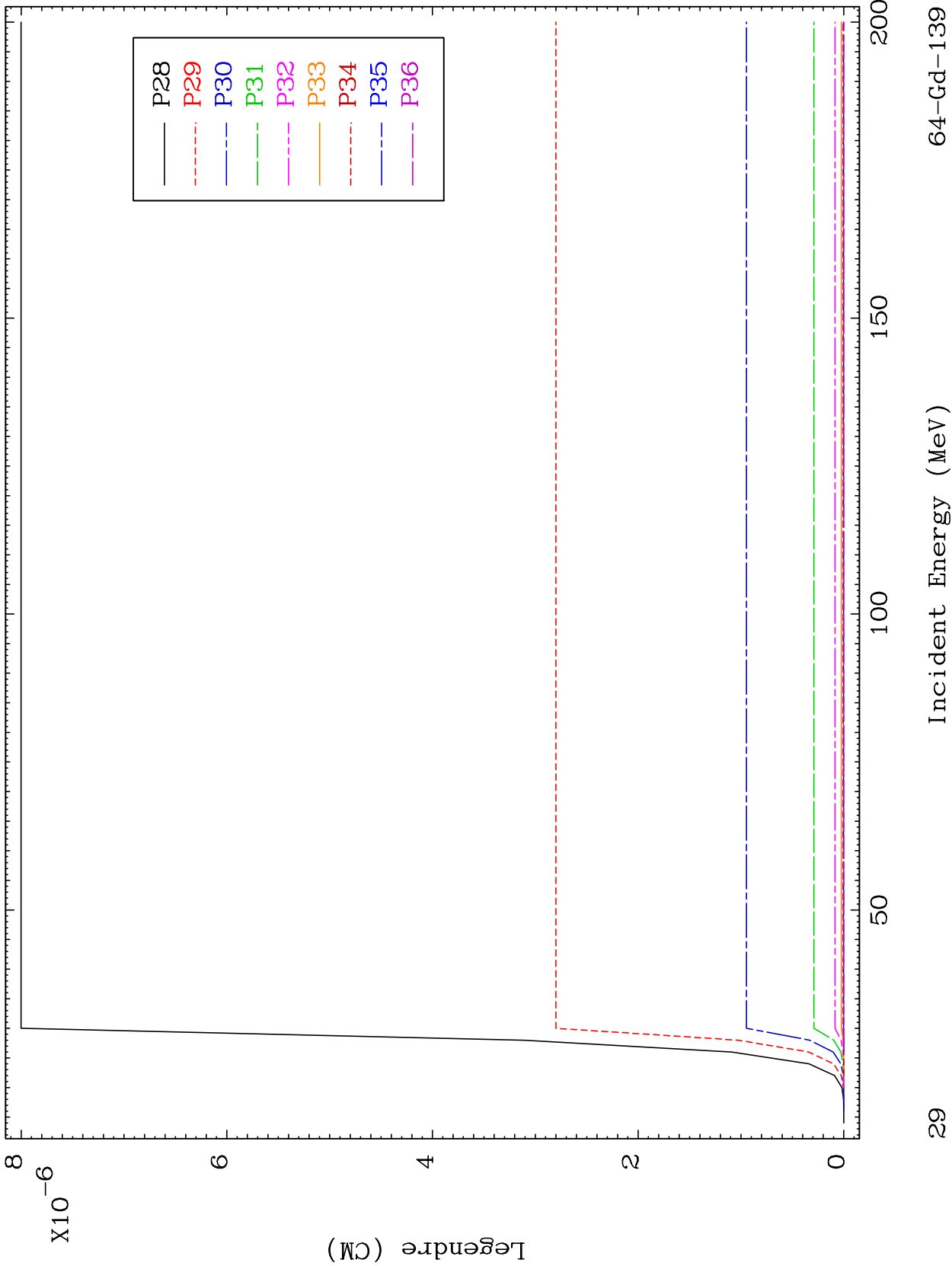
64-Gd-139



MAT 6386

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

64-Gd-139



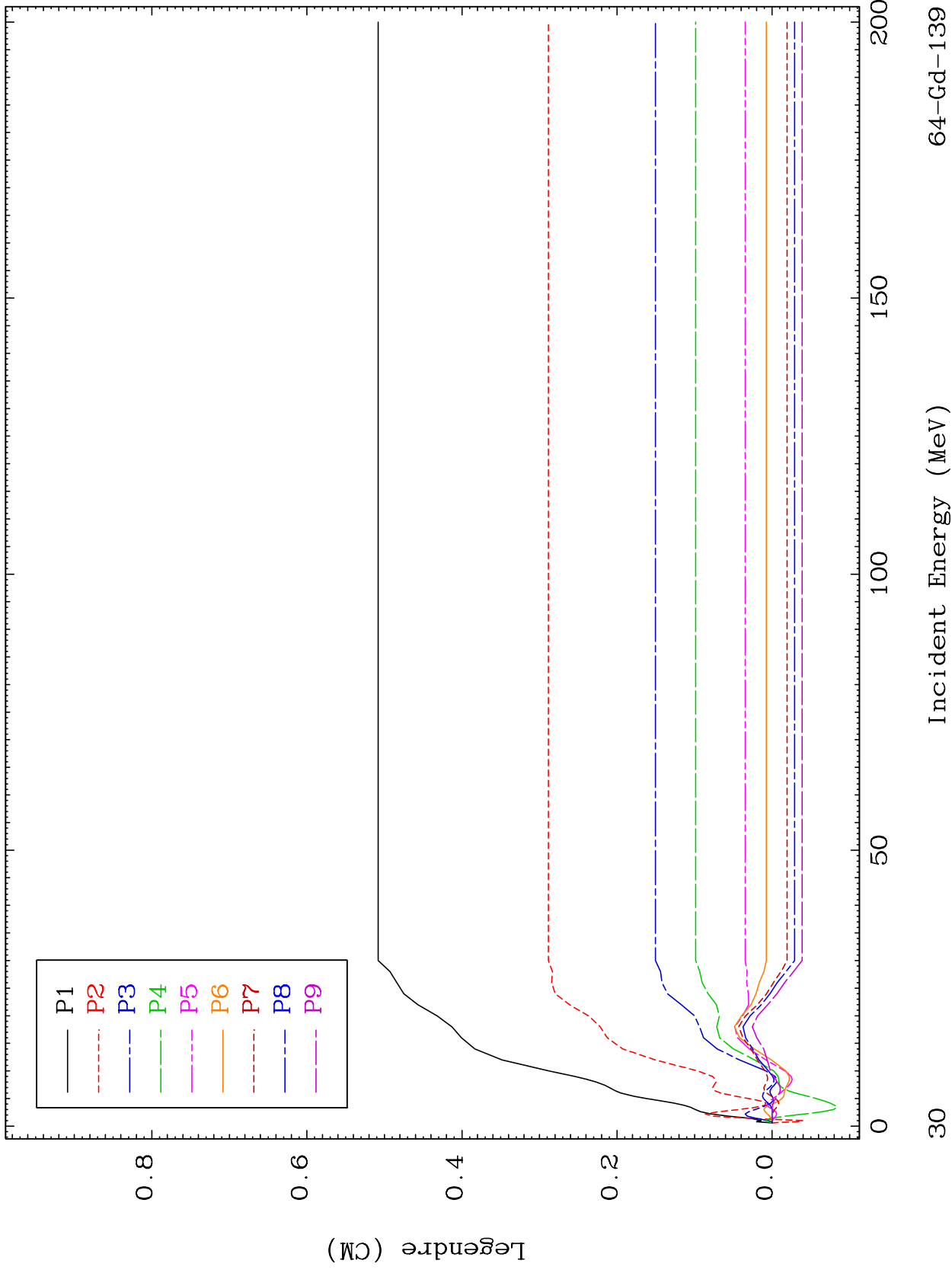
29

64-Gd-139

MAT 6386

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

64-Gd-139



64-Gd-139

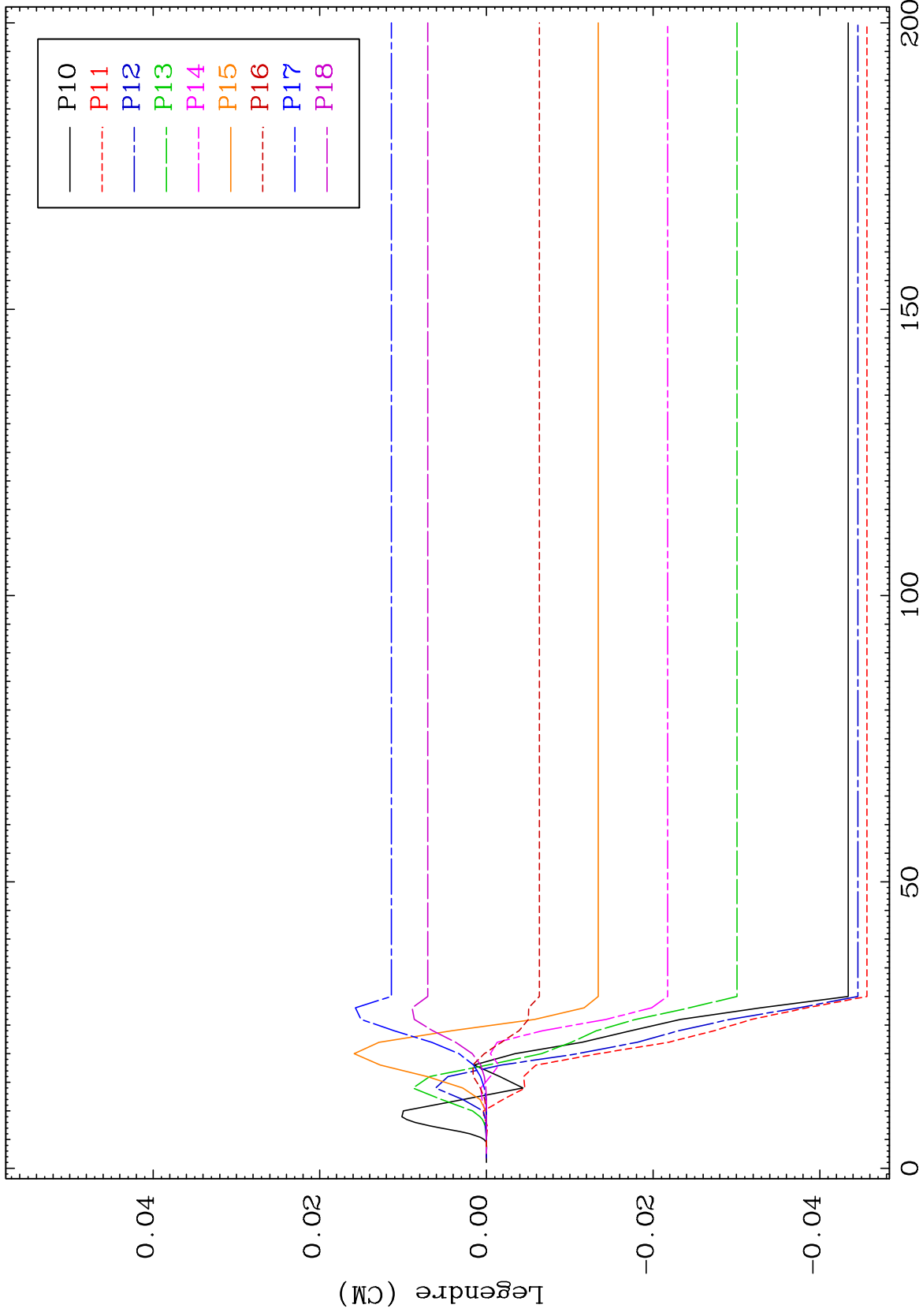
Incident Energy (MeV)

30

MAT 6386

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

64-Gd-139



31

Incident Energy (MeV)

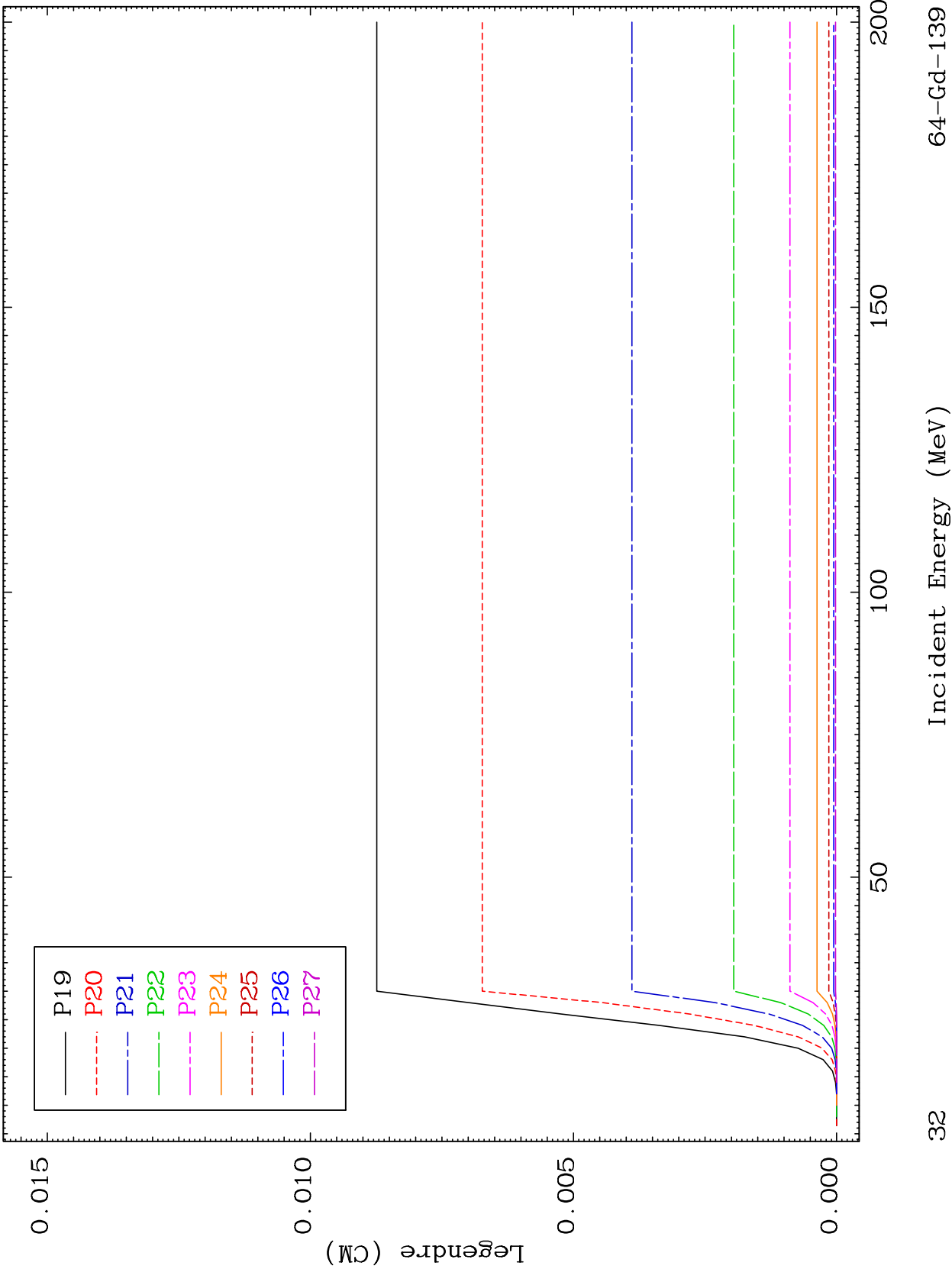
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MAT 6386

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

64-Gd-139



32

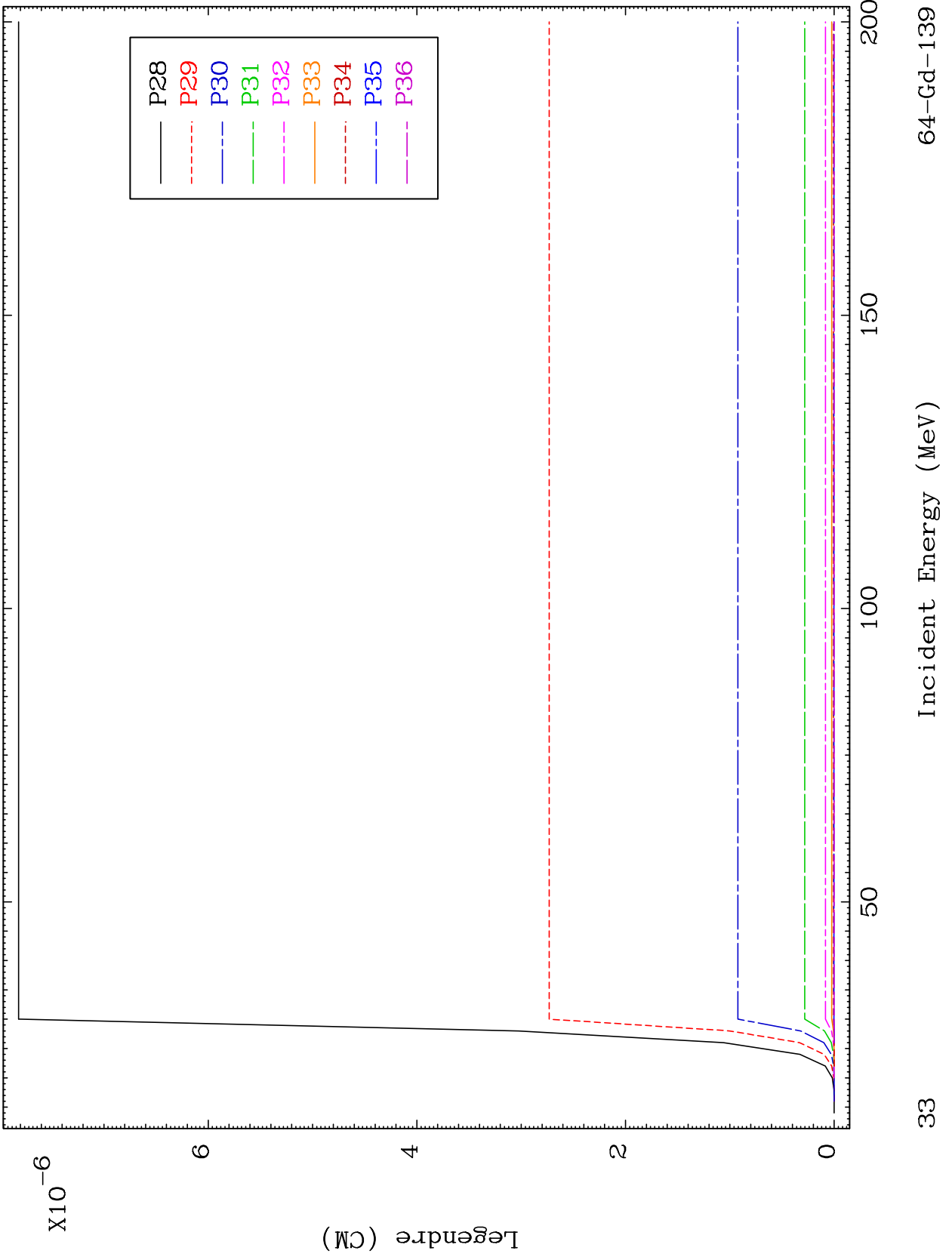
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



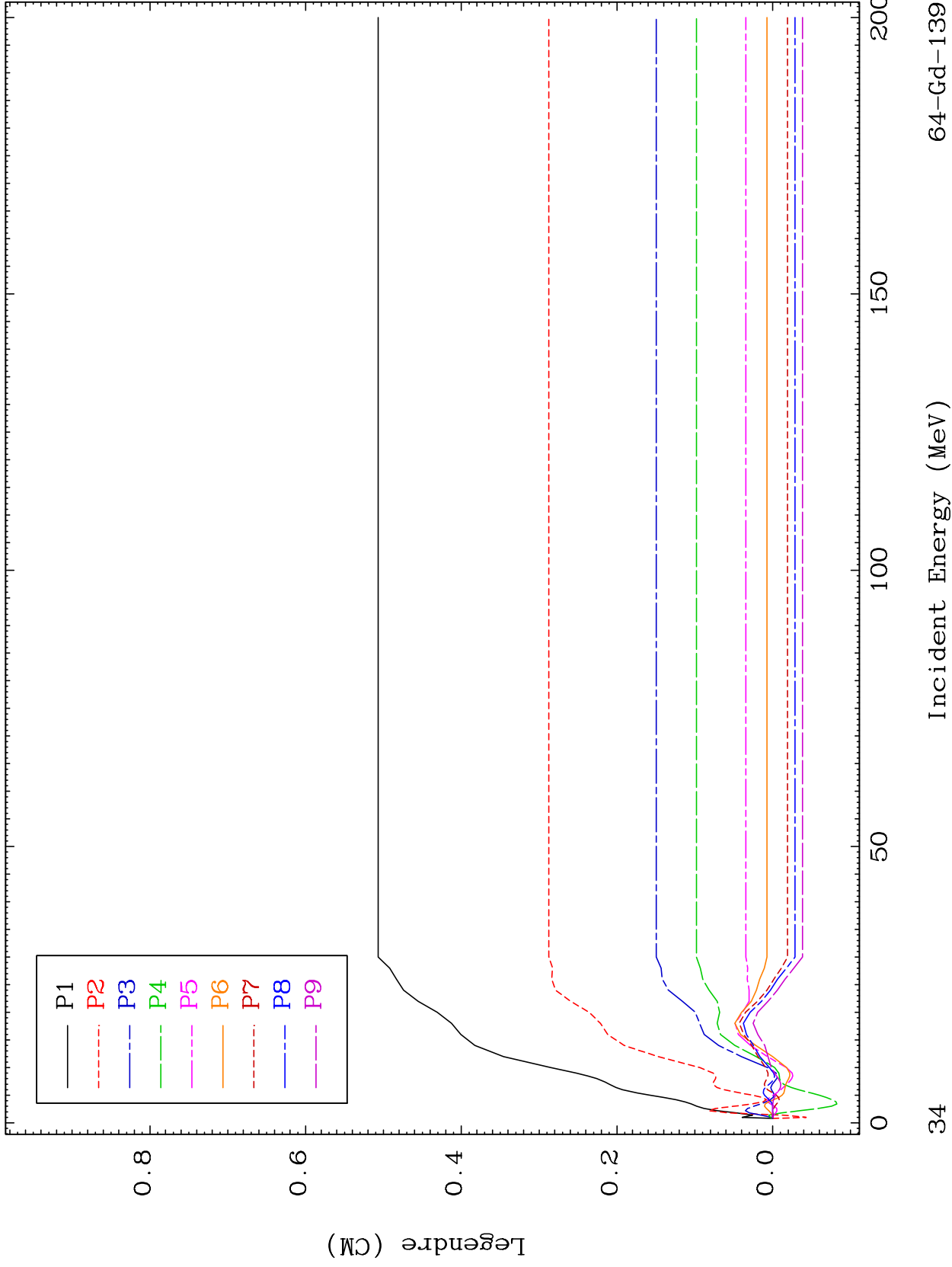
33

200

MAT 6386

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

64-Gd-139



34

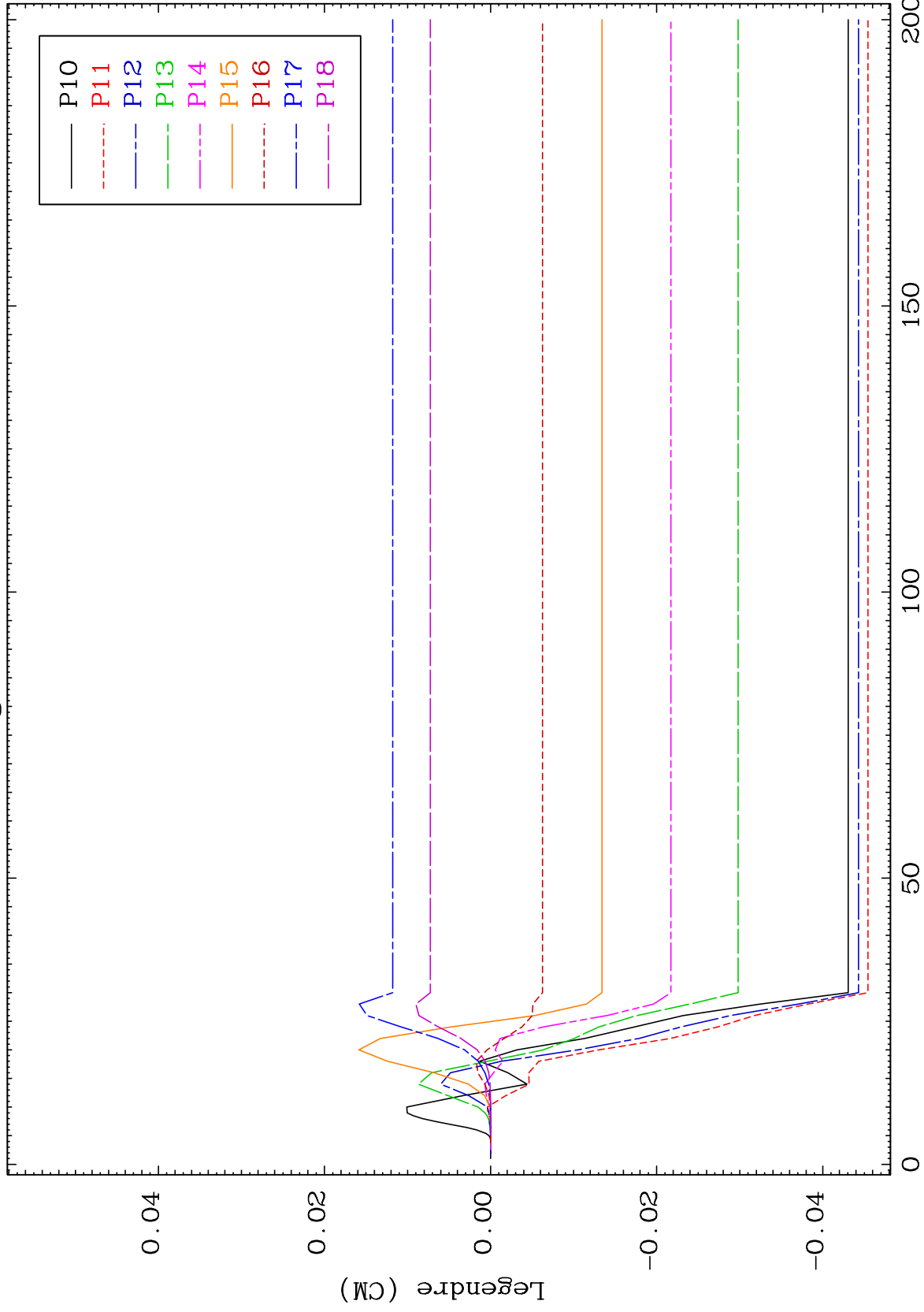
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



35

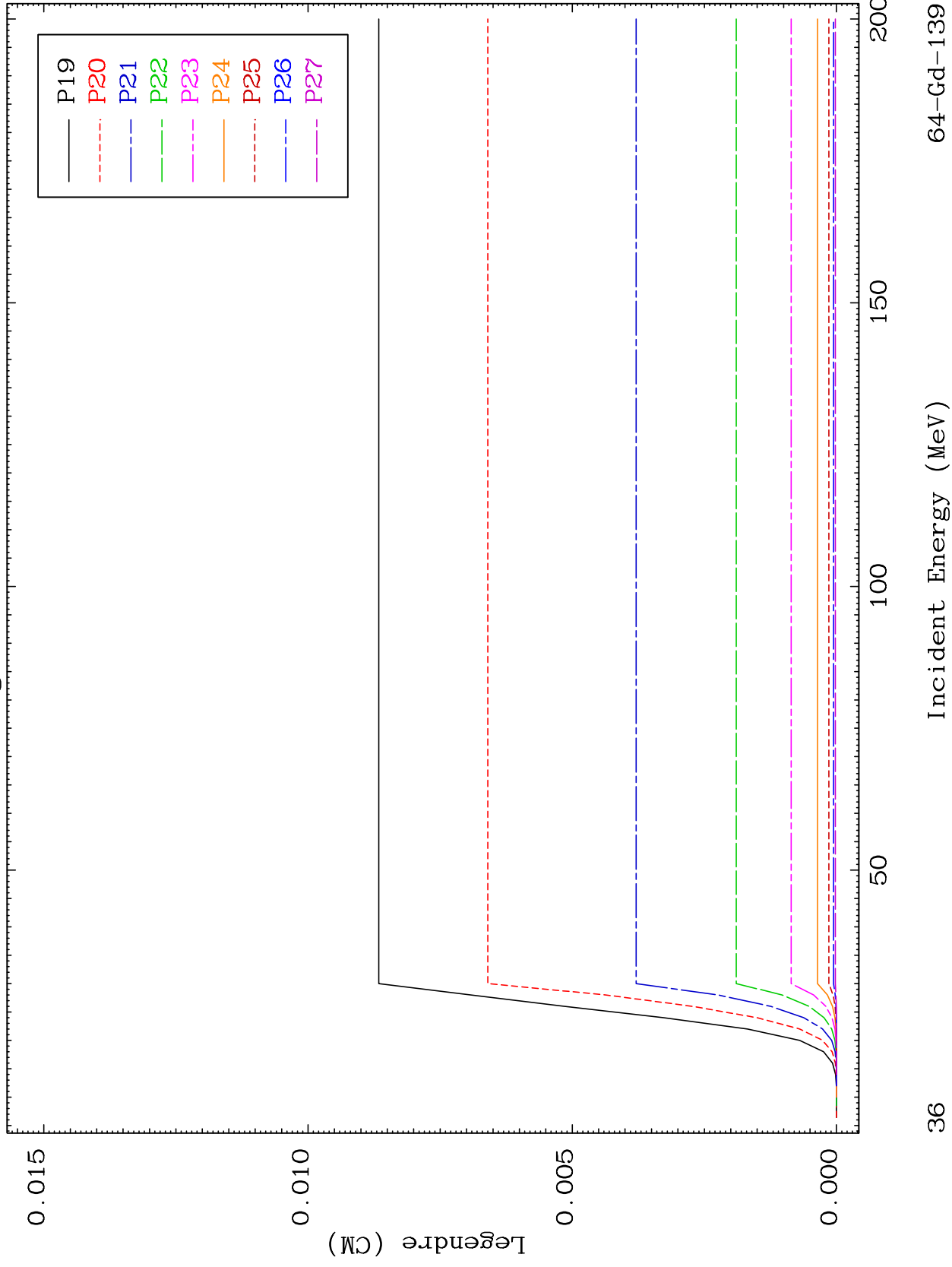
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139

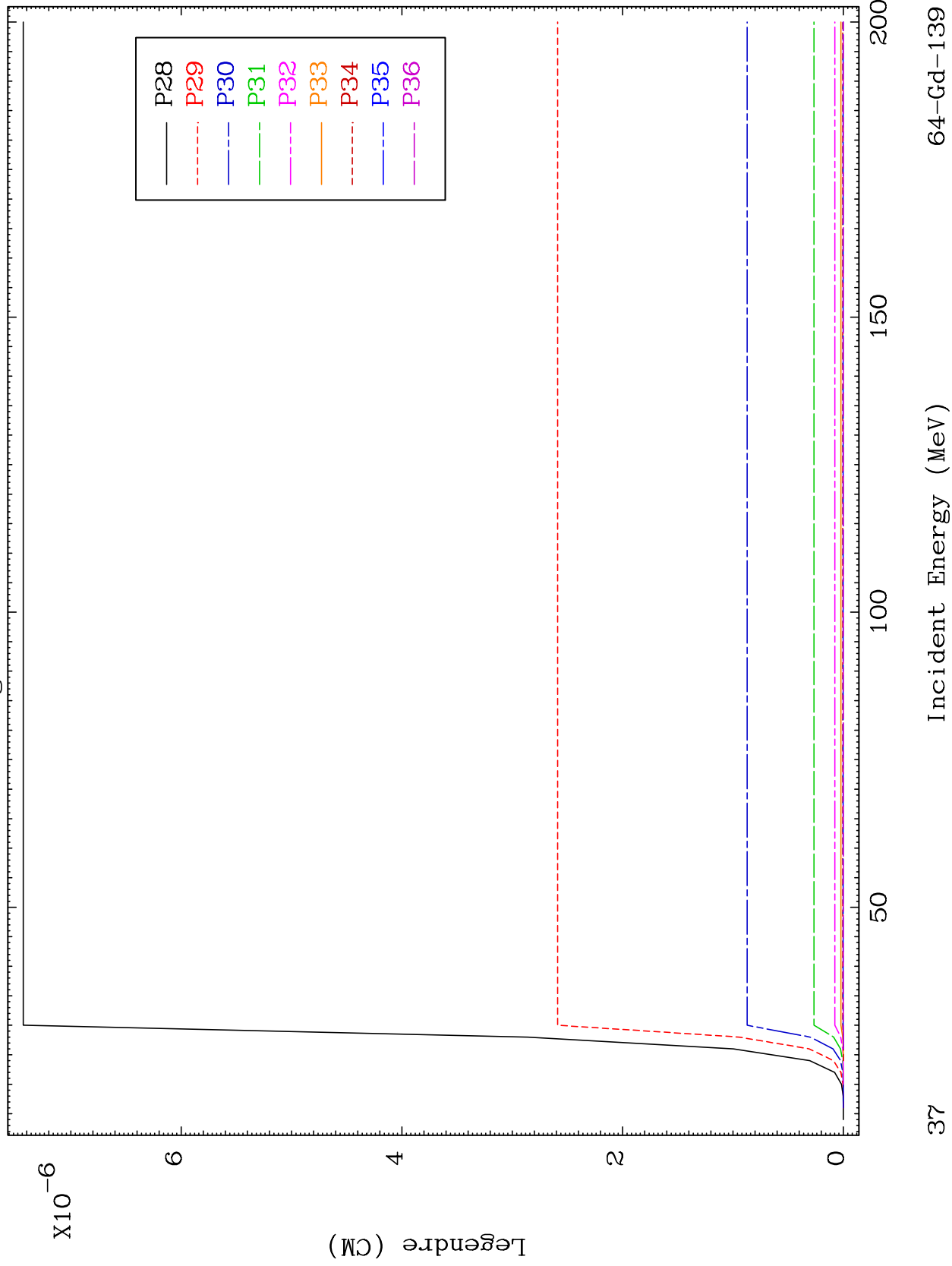


36

MAT 6386

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

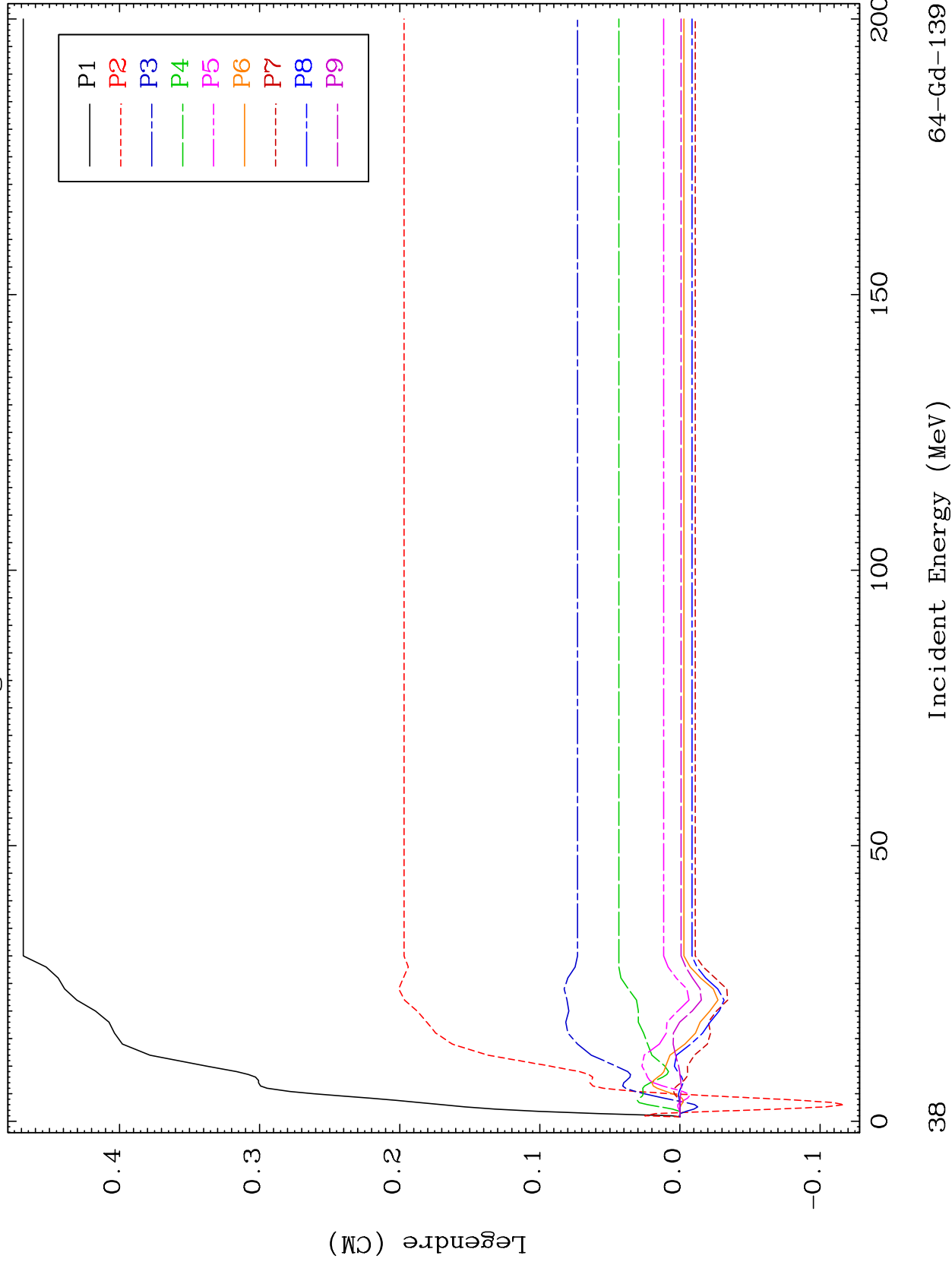
64-Gd-139



MAT 6386

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

64-Gd-139



64-Gd-139

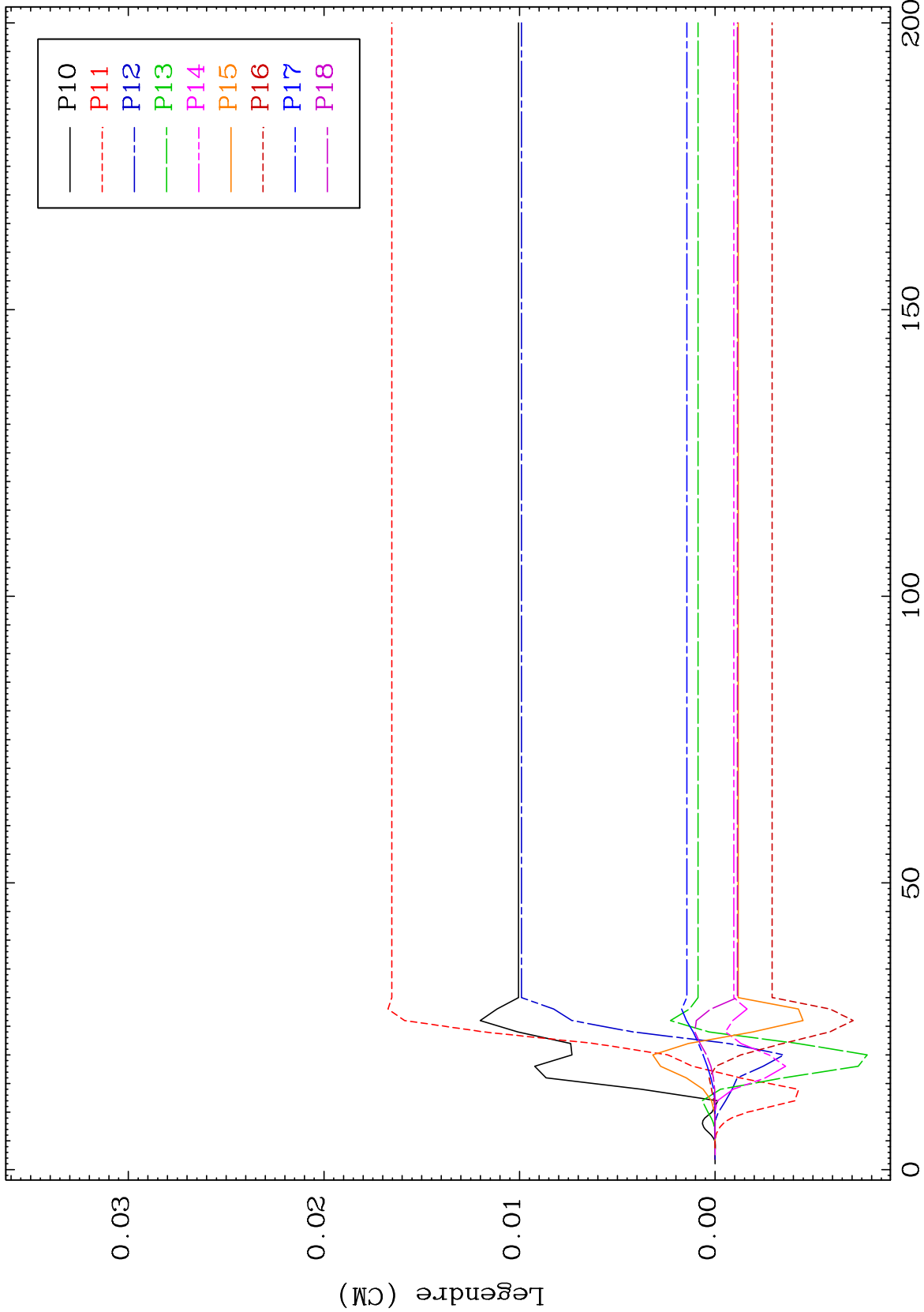
Incident Energy (MeV)

38

MAT 6386

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

64-Gd-139



39

Incident Energy (MeV)

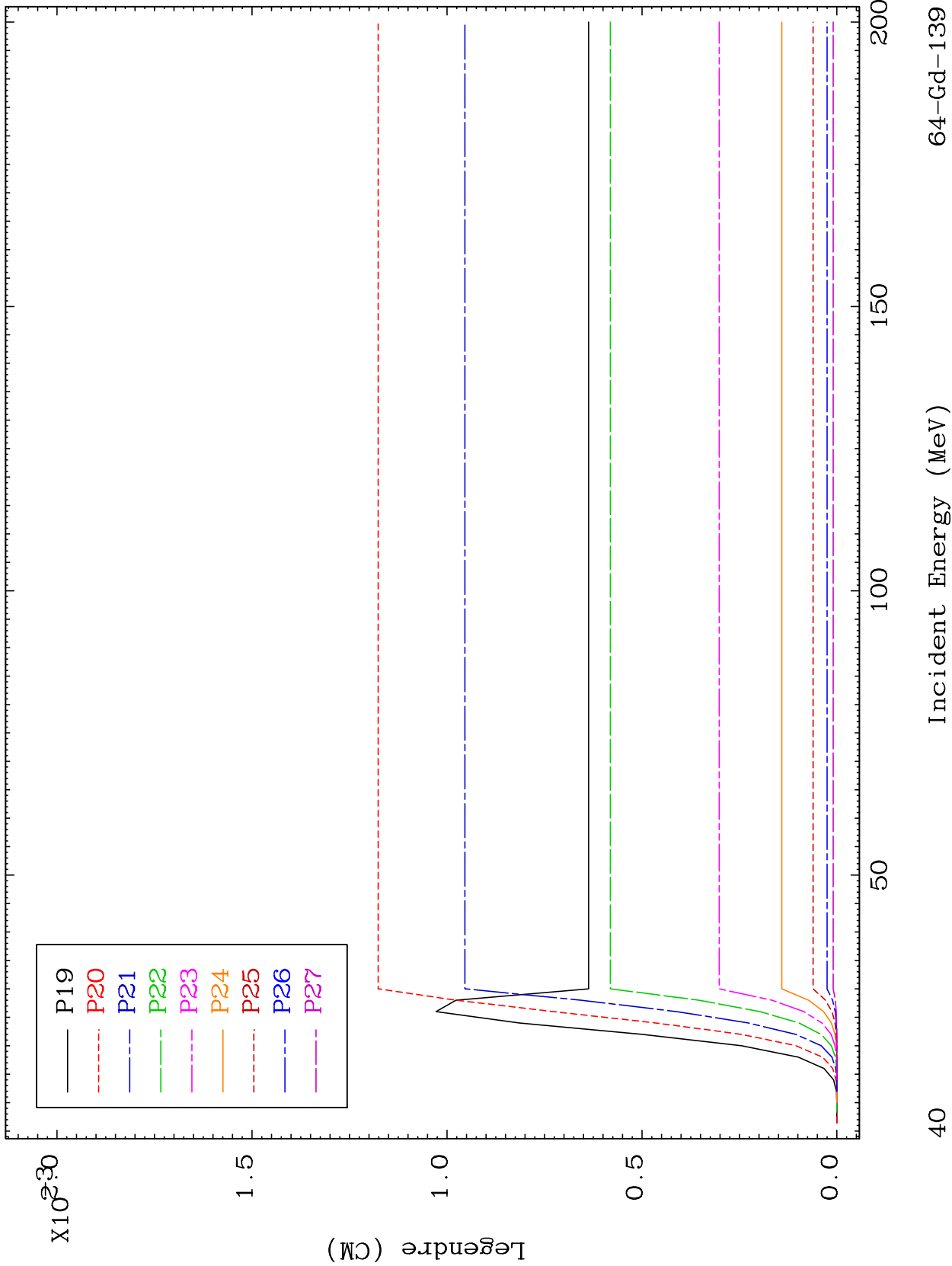
64-Gd-139



MAT 6386

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

64-Gd-139



40

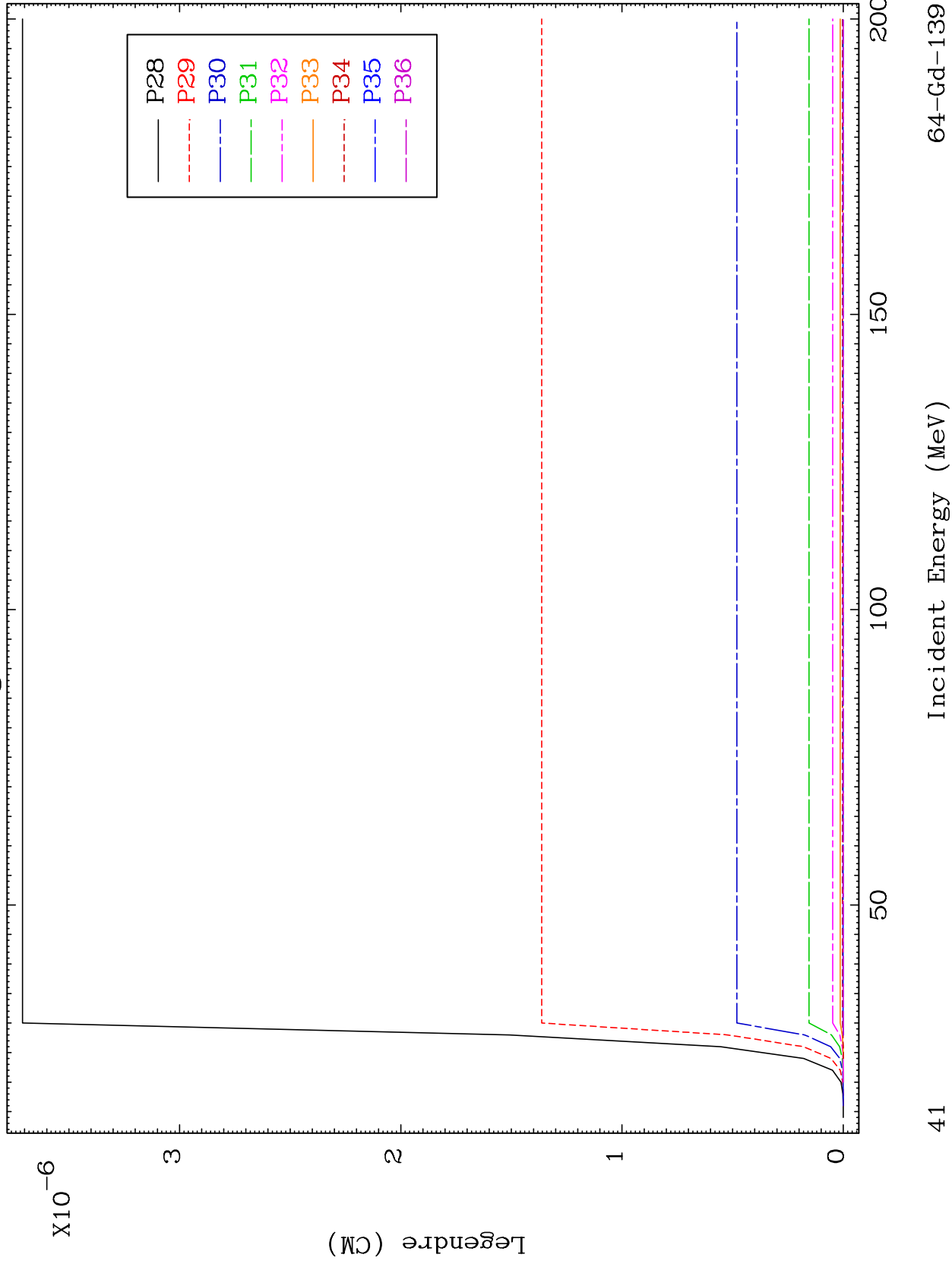
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



41

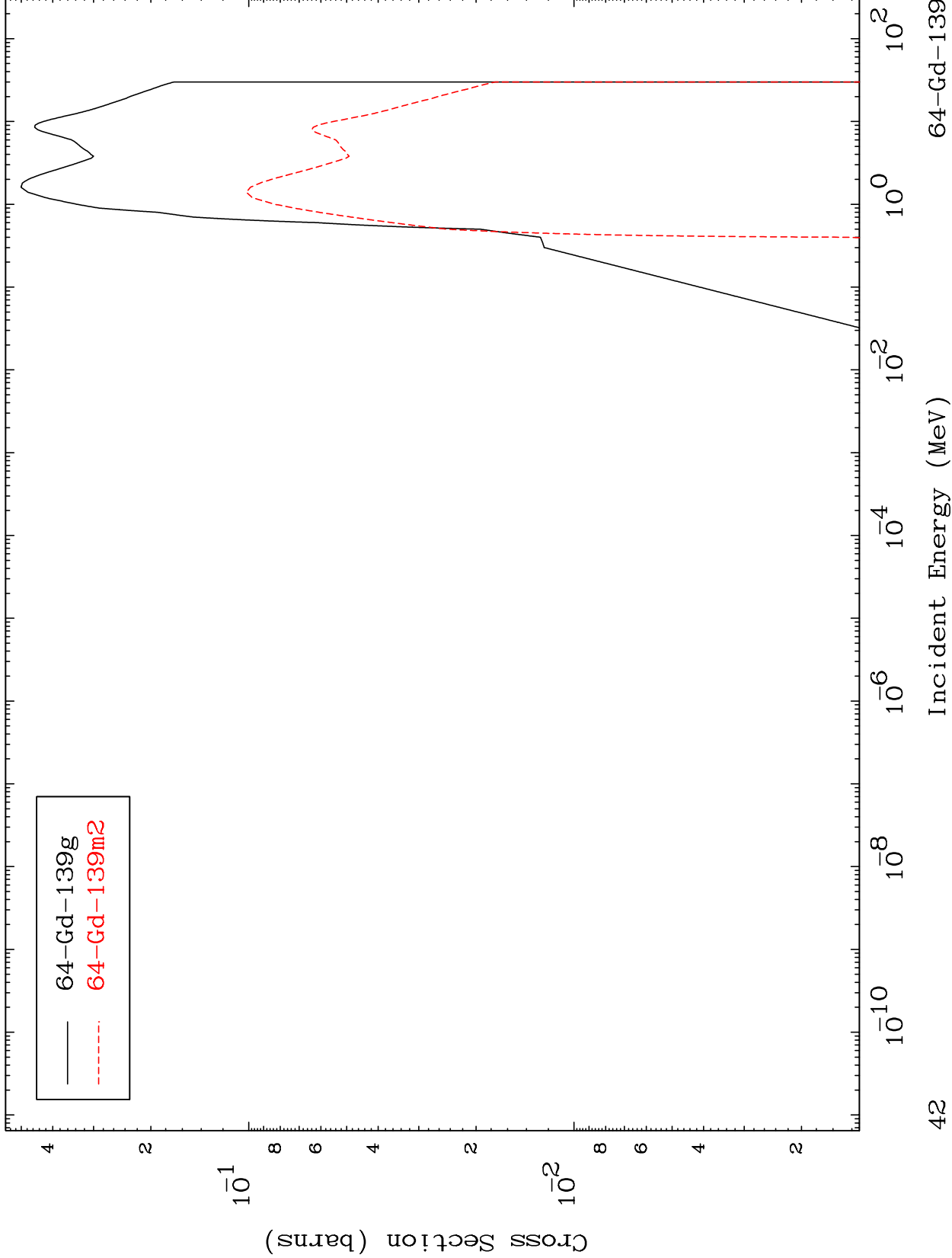
Incident Energy (MeV)

64-Gd-139

MAT 6386

Inelastic  
Radionuclide Production Cross Section

64-Gd-139

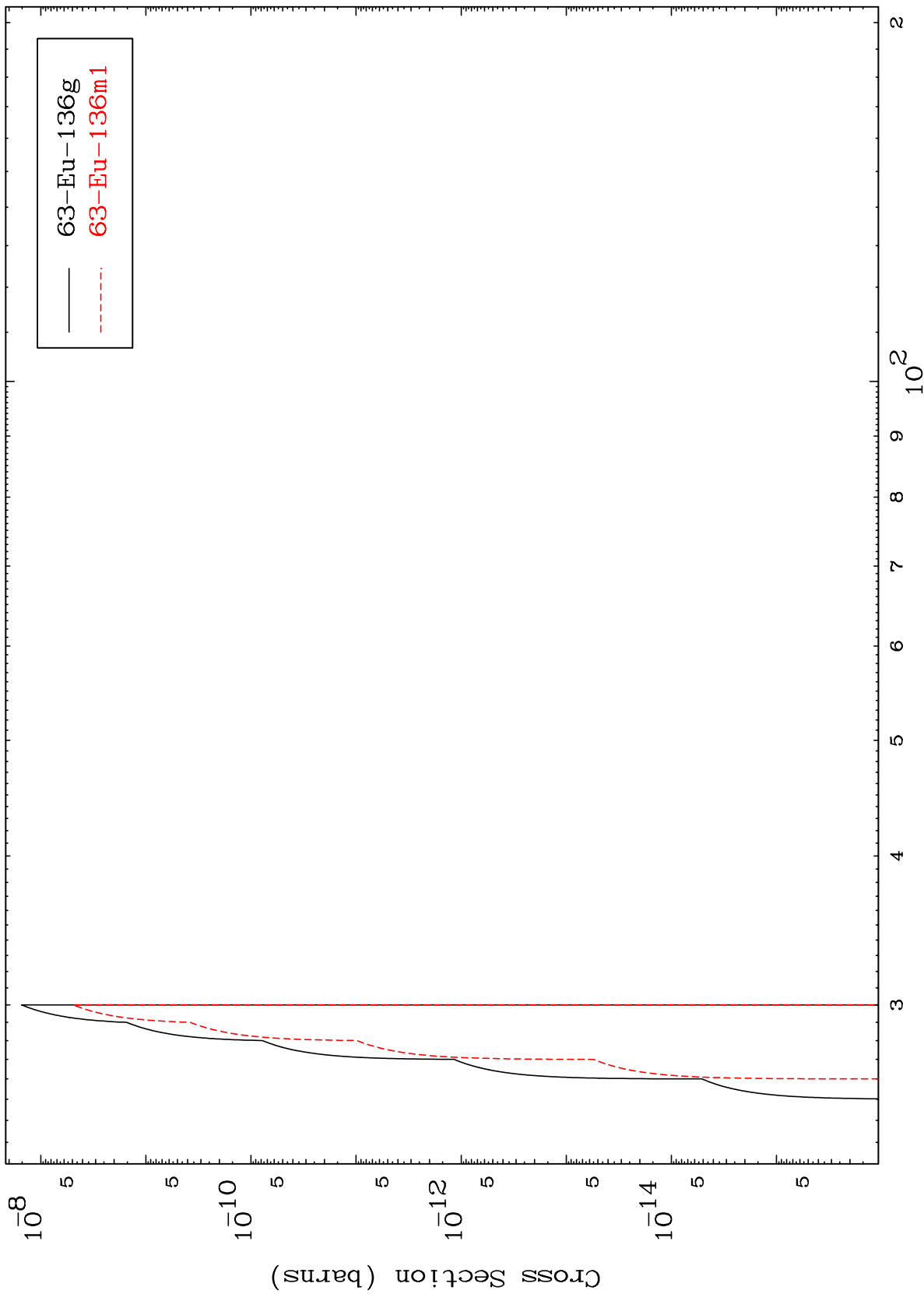


MAT 6386

(n,2n) d

64-Gd-139

Radionuclide Production Cross Section



63-Eu-136g  
63-Eu-136m1

43

Incident Energy (MeV)

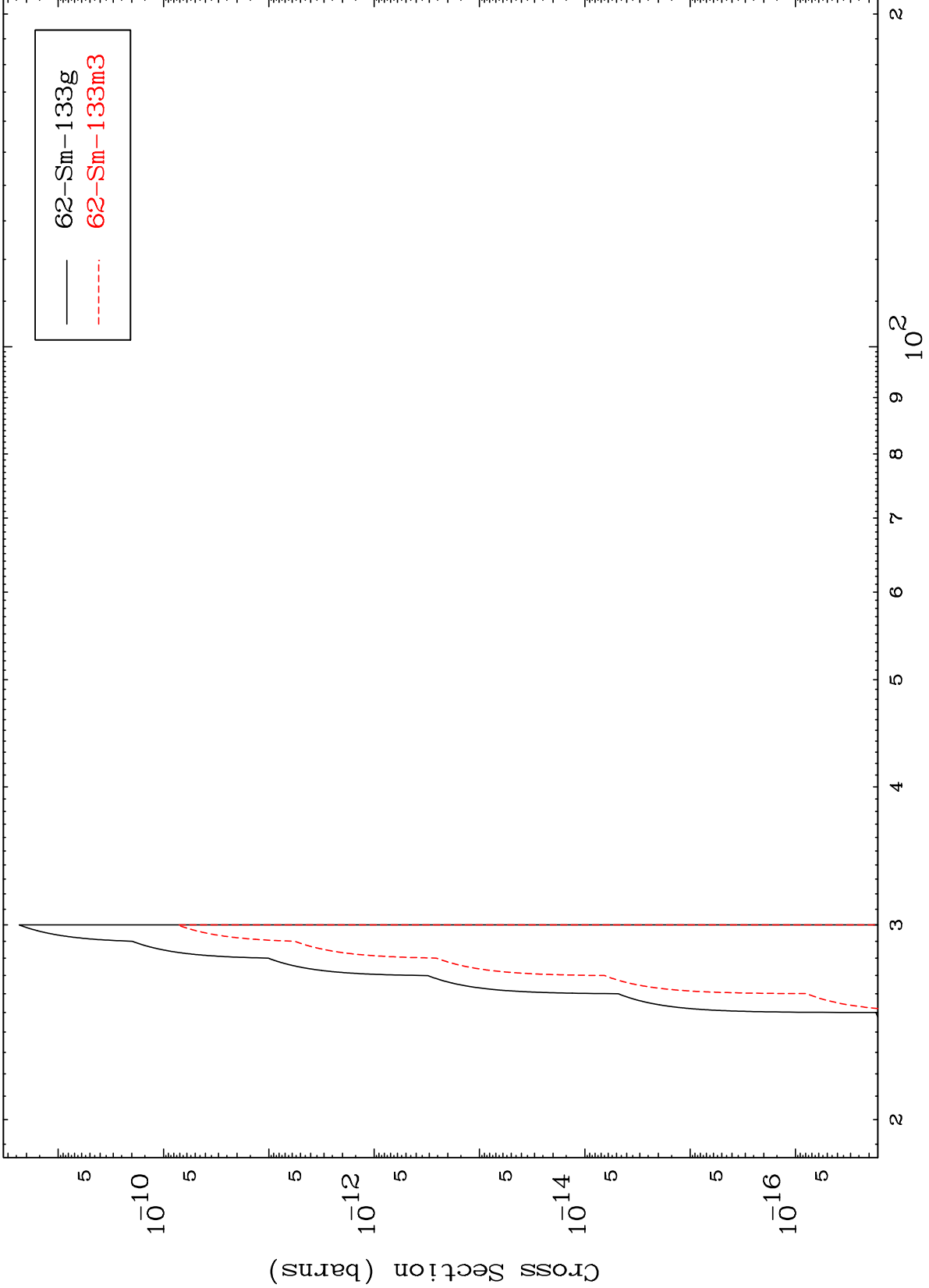
64-Gd-139

MAT 6386

(n,3n)  $\alpha$

64-Gd-139

Radionuclide Production Cross Section



44

Incident Energy (MeV)

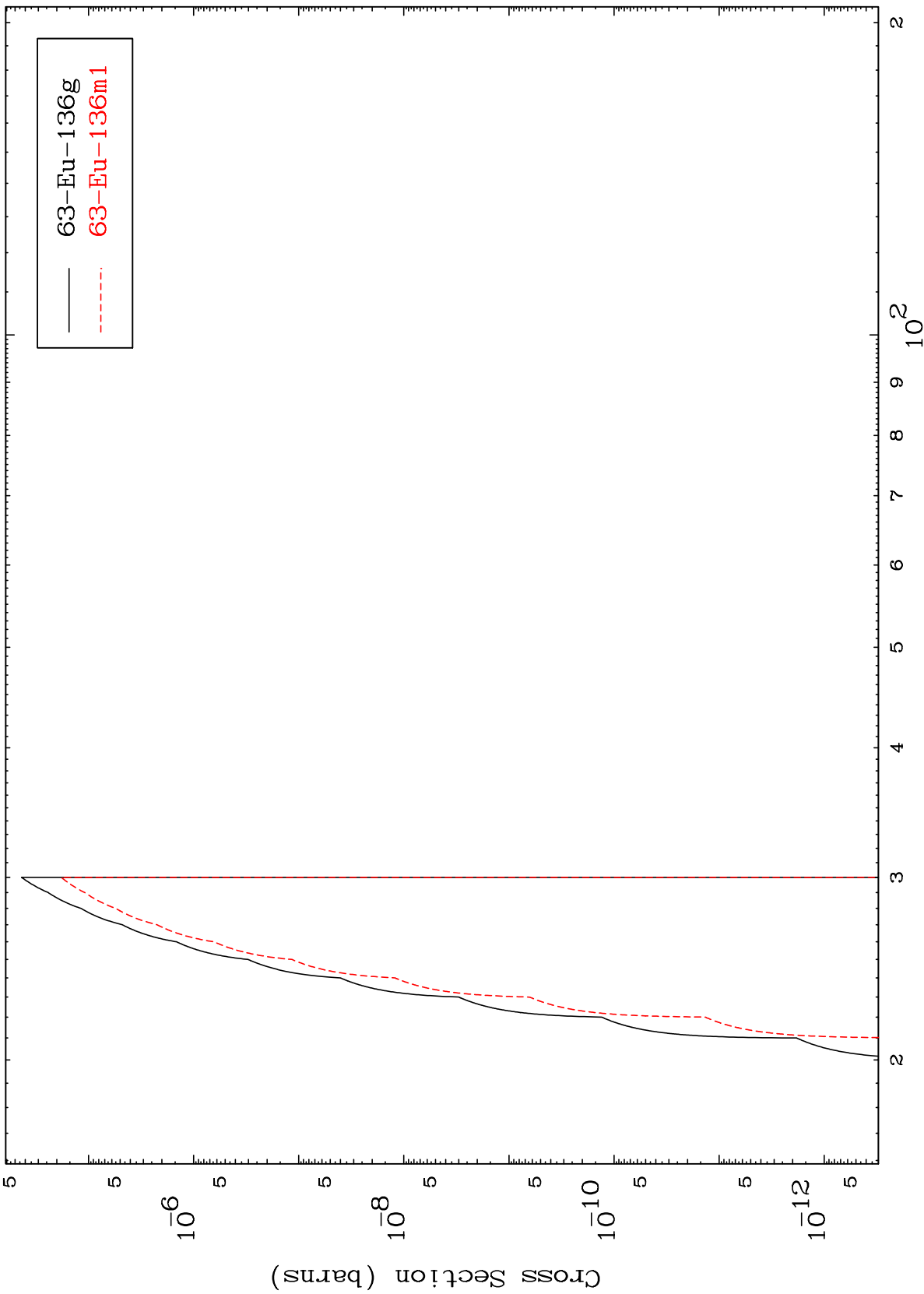
64-Gd-139

MAT 6386

(n,n') t

64-Gd-139

Radionuclide Production Cross Section



45

Incident Energy (MeV)

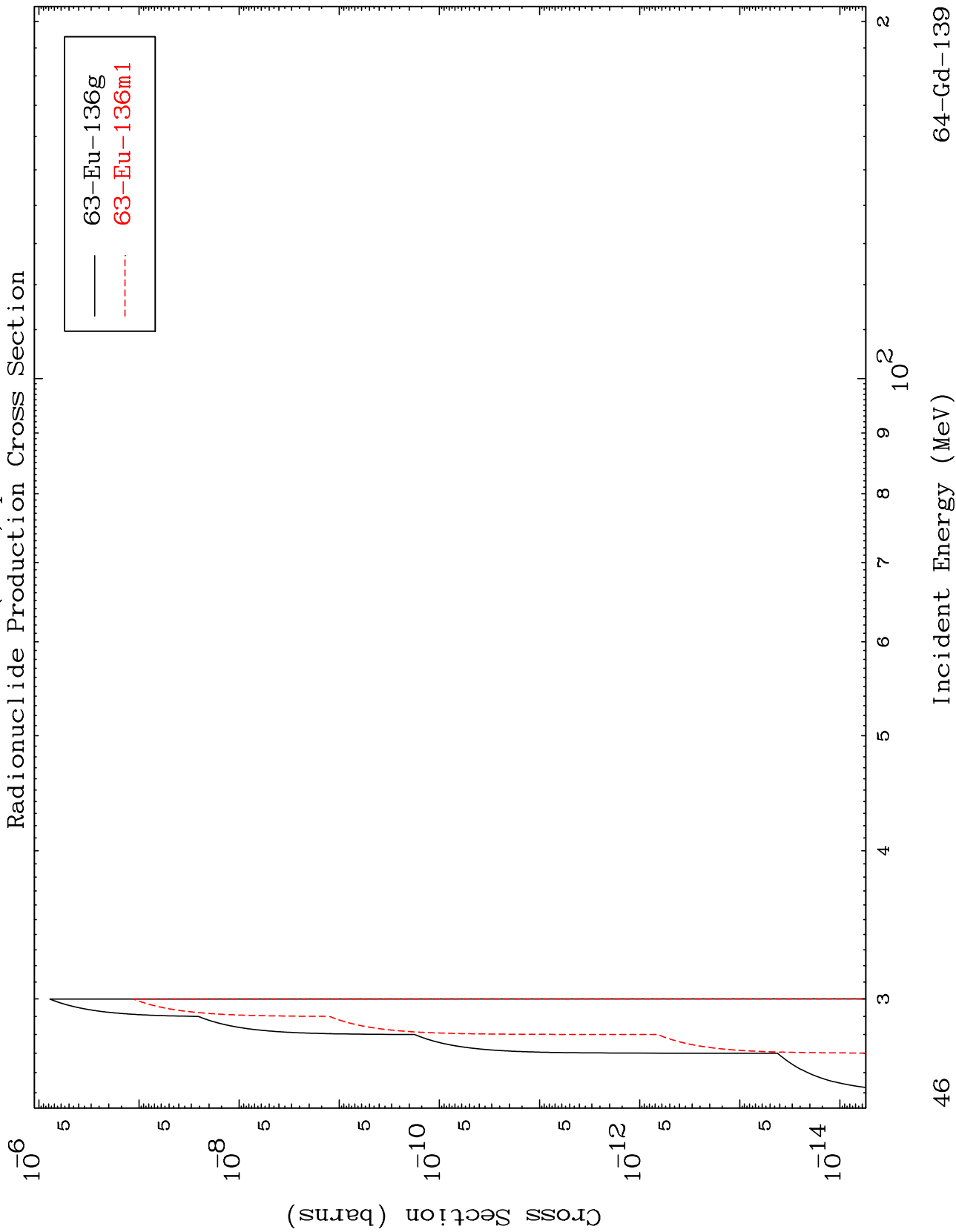
64-Gd-139

MAT 6386

(n,3n) p

64-Gd-139

Radionuclide Production Cross Section



46

Incident Energy (MeV)

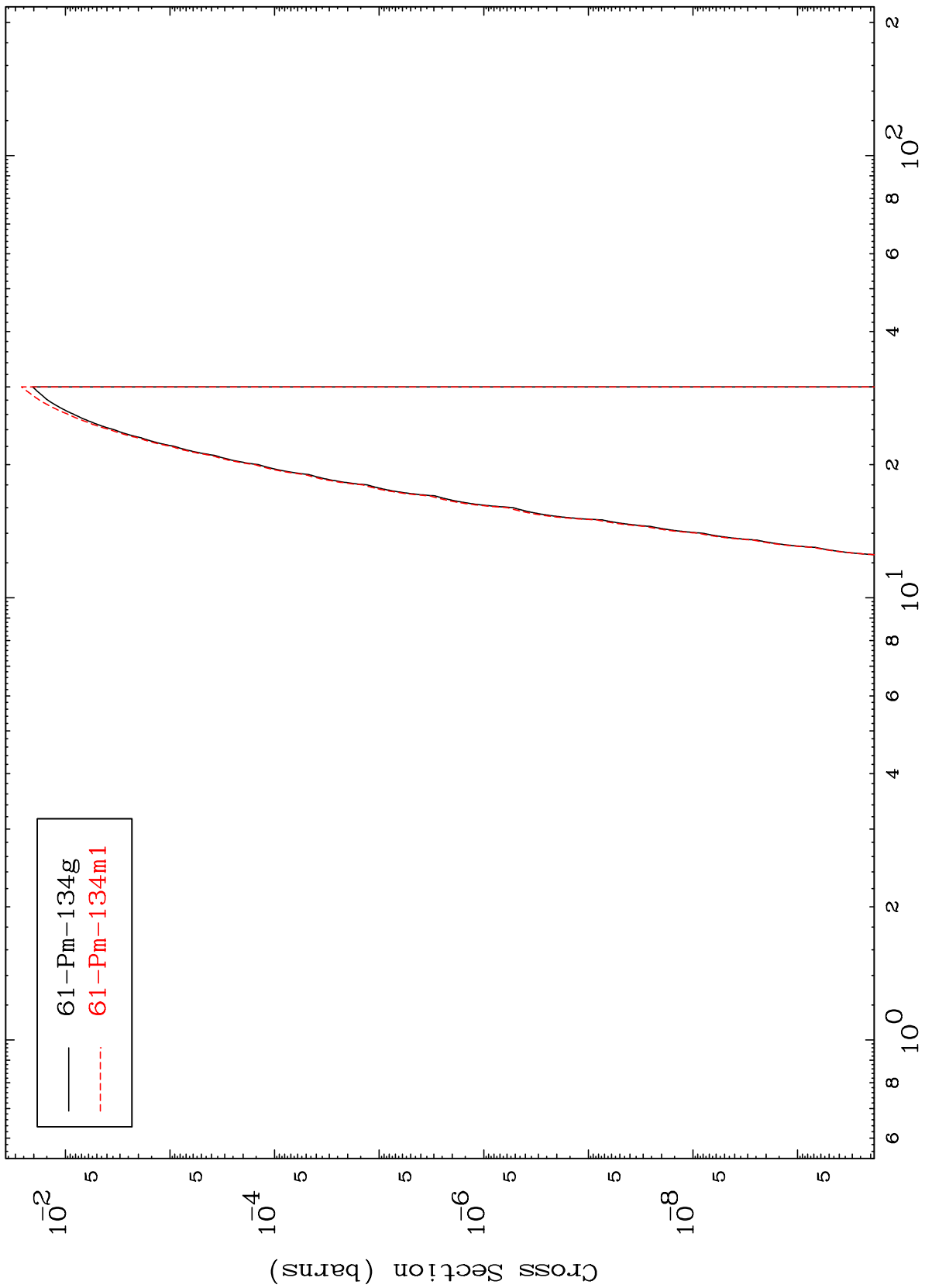
64-Gd-139

MAT 6386

(n,n') p  $\alpha$

64-Gd-139

Radionuclide Production Cross Section



61-Pm-134g  
61-Pm-134m1

47

Incident Energy (MeV)

64-Gd-139

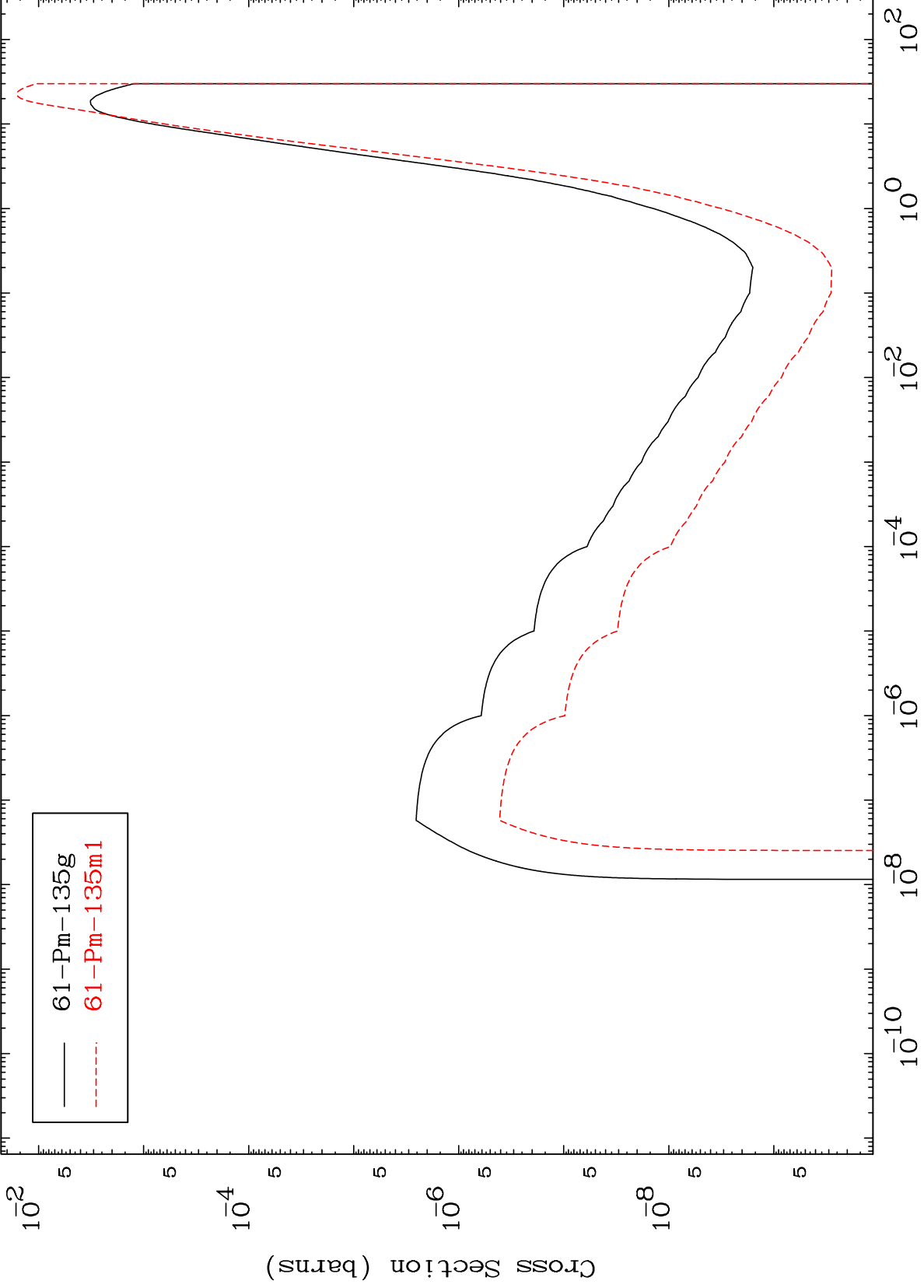


MAT 6386

(n,p)  $\alpha$

64-Gd-139

Radionuclide Production Cross Section



61-Pm-135g  
61-Pm-135m1

MAT 6386

(n,d)  $\alpha$

64-Gd-139

Radionuclide Production Cross Section

