

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

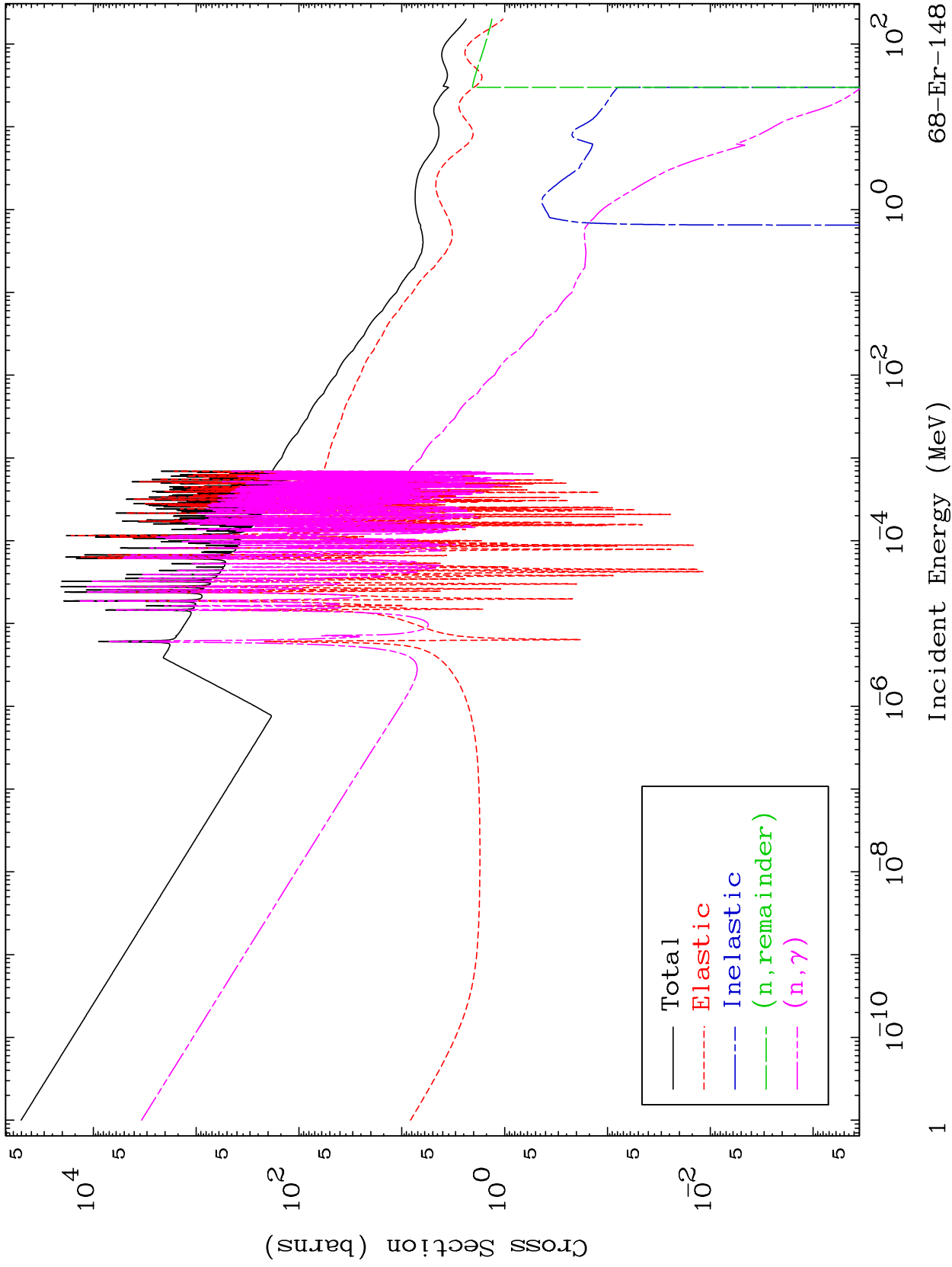
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6783

Major
293 Kelvin Cross Sections

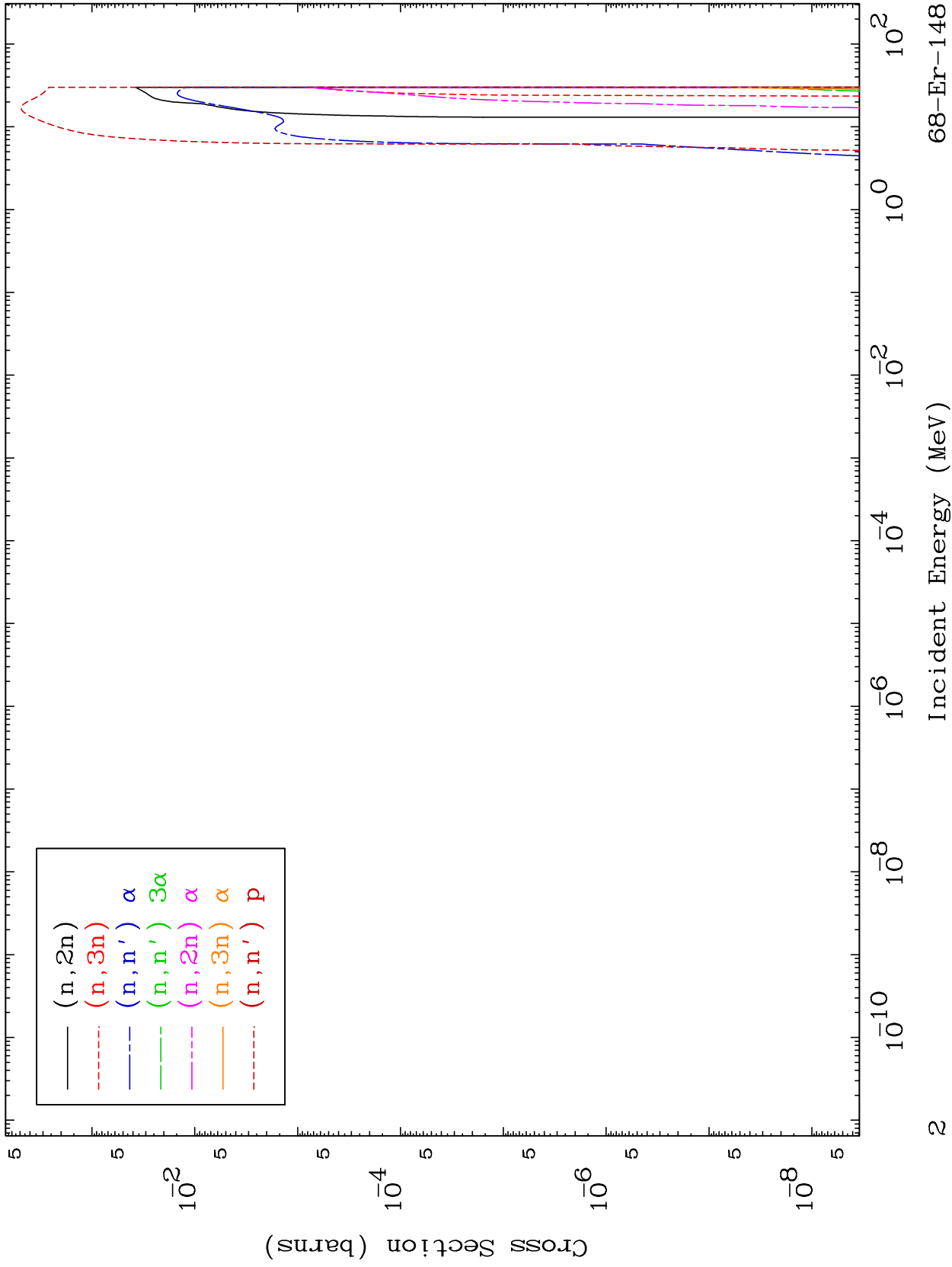
68-Er-148



MAT 6783

Neutron Production
293 Kelvin Cross Sections

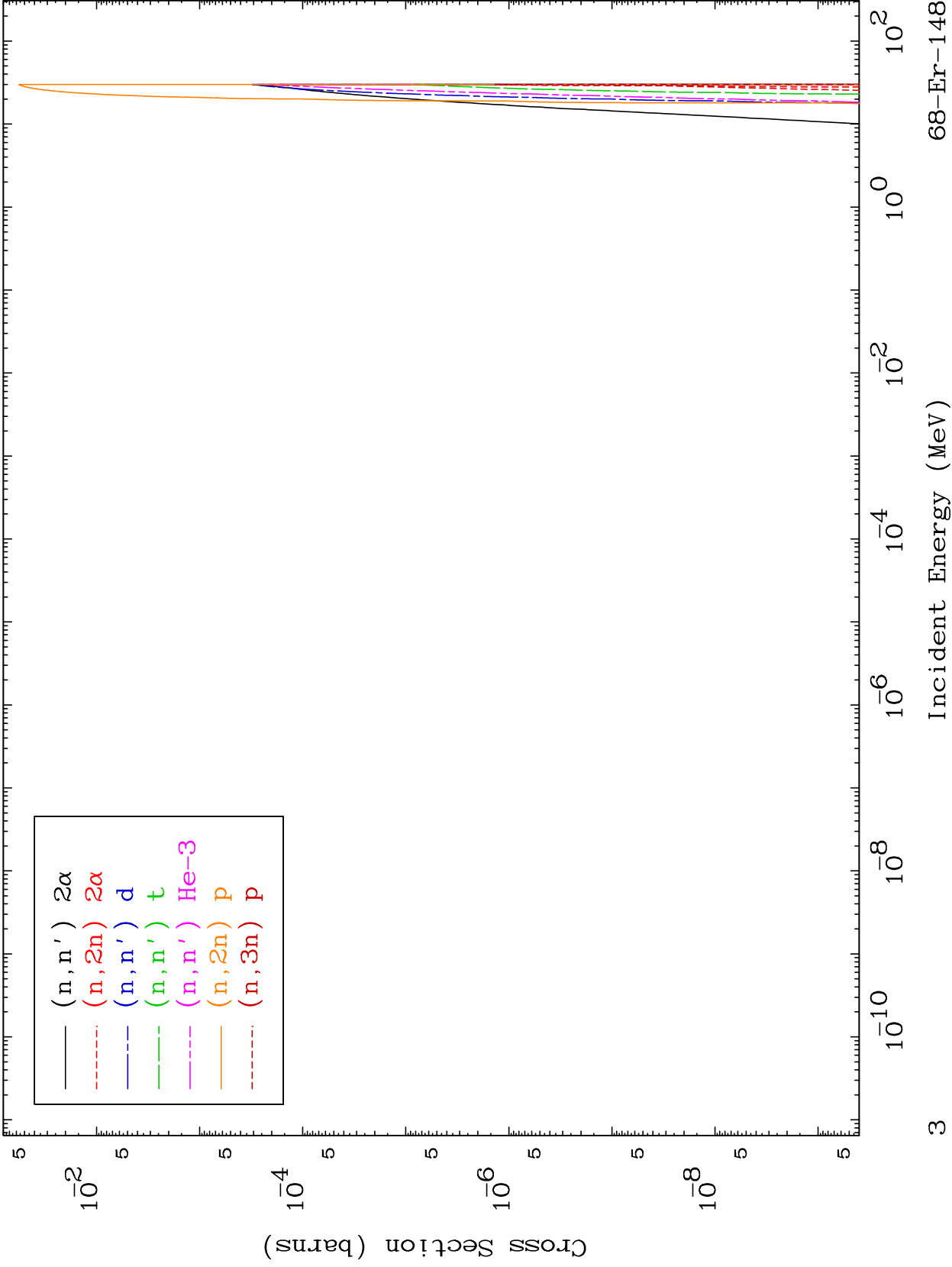
68-Er-148



MAT 6783

Neutron Production
293 Kelvin Cross Sections

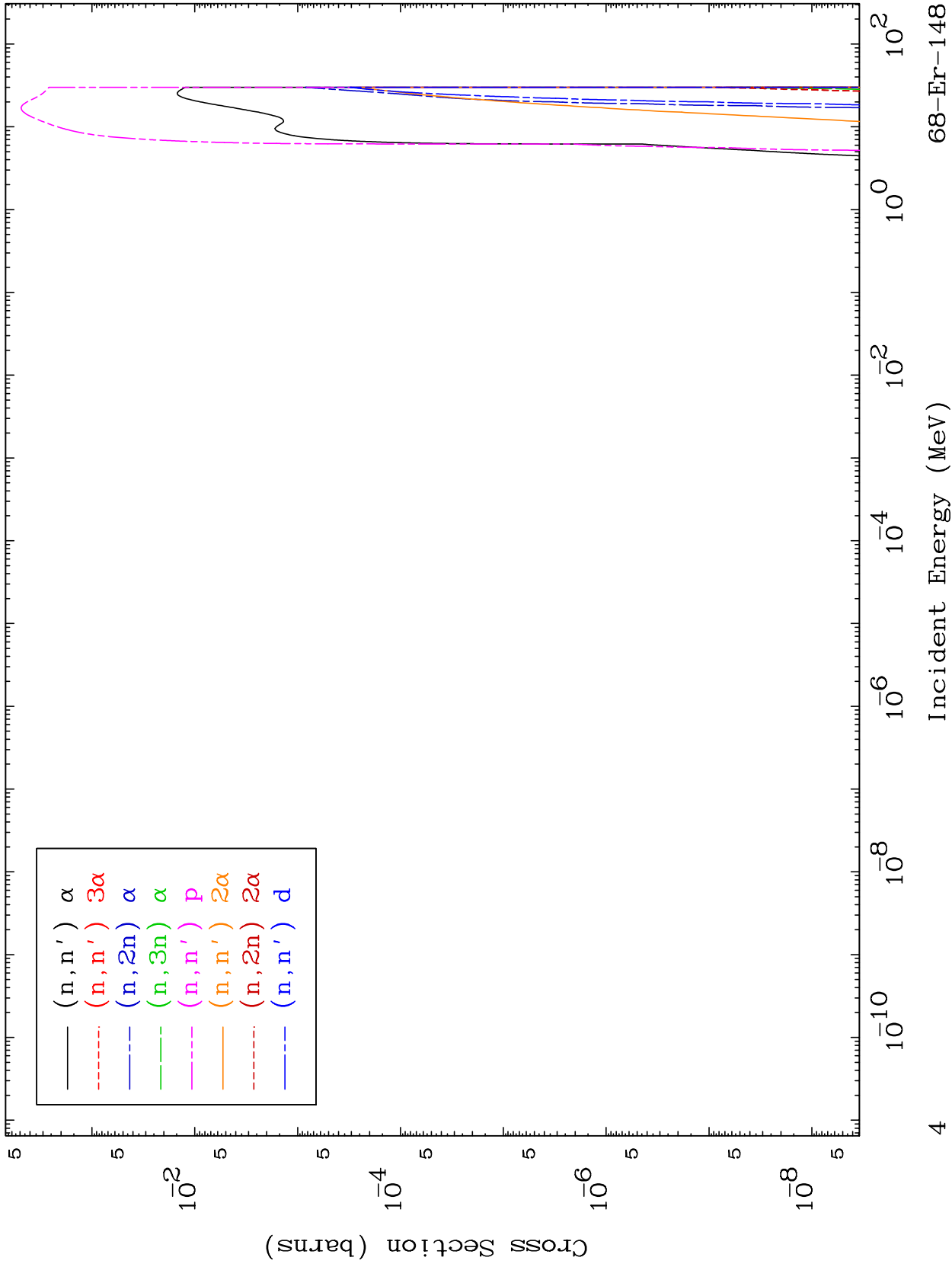
68-Er-148



MAT 6783

Charged Particle
293 Kelvin Cross Sections

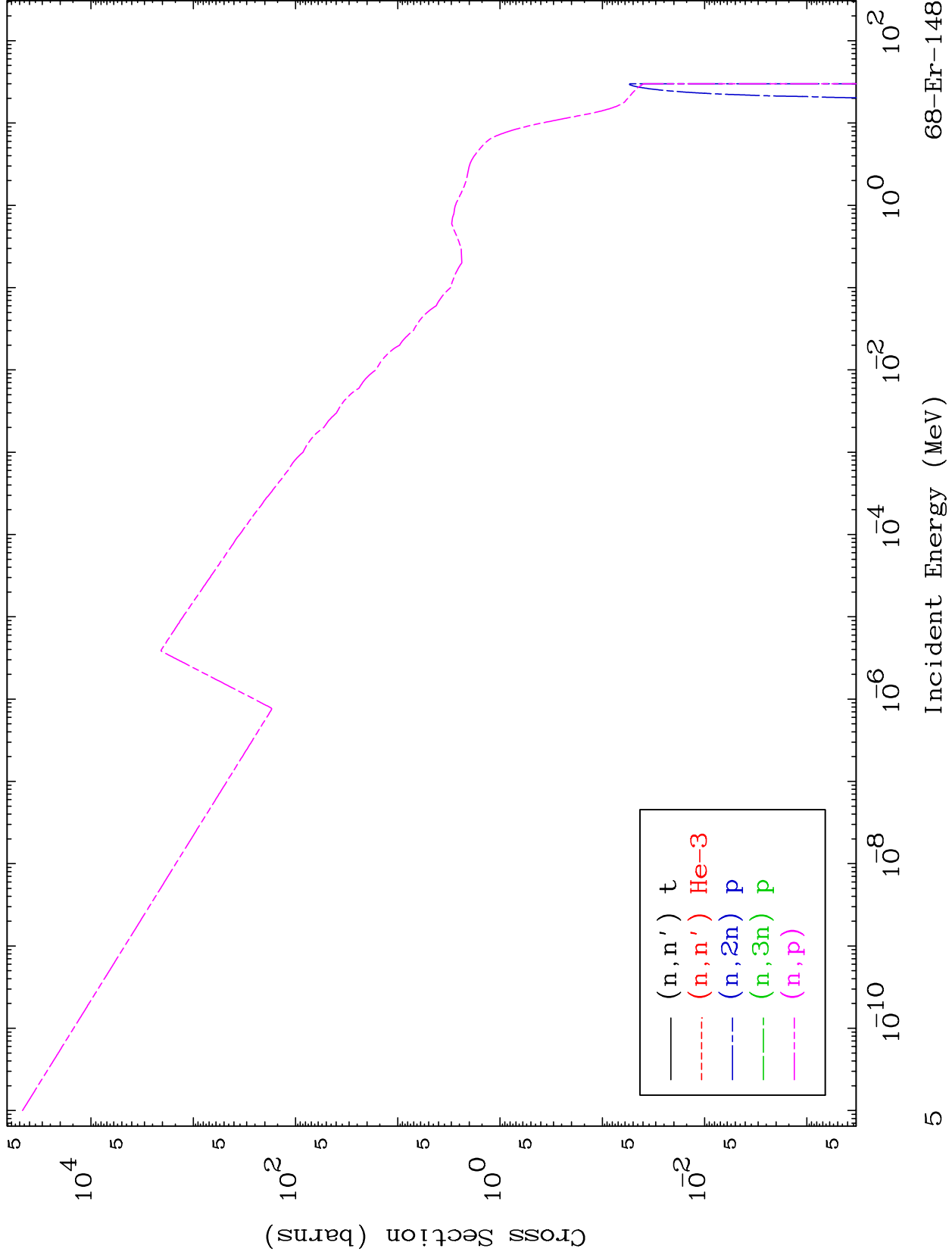
68-Er-148



MAT 6783

Charged Particle
293 Kelvin Cross Sections

68-Er-148



5

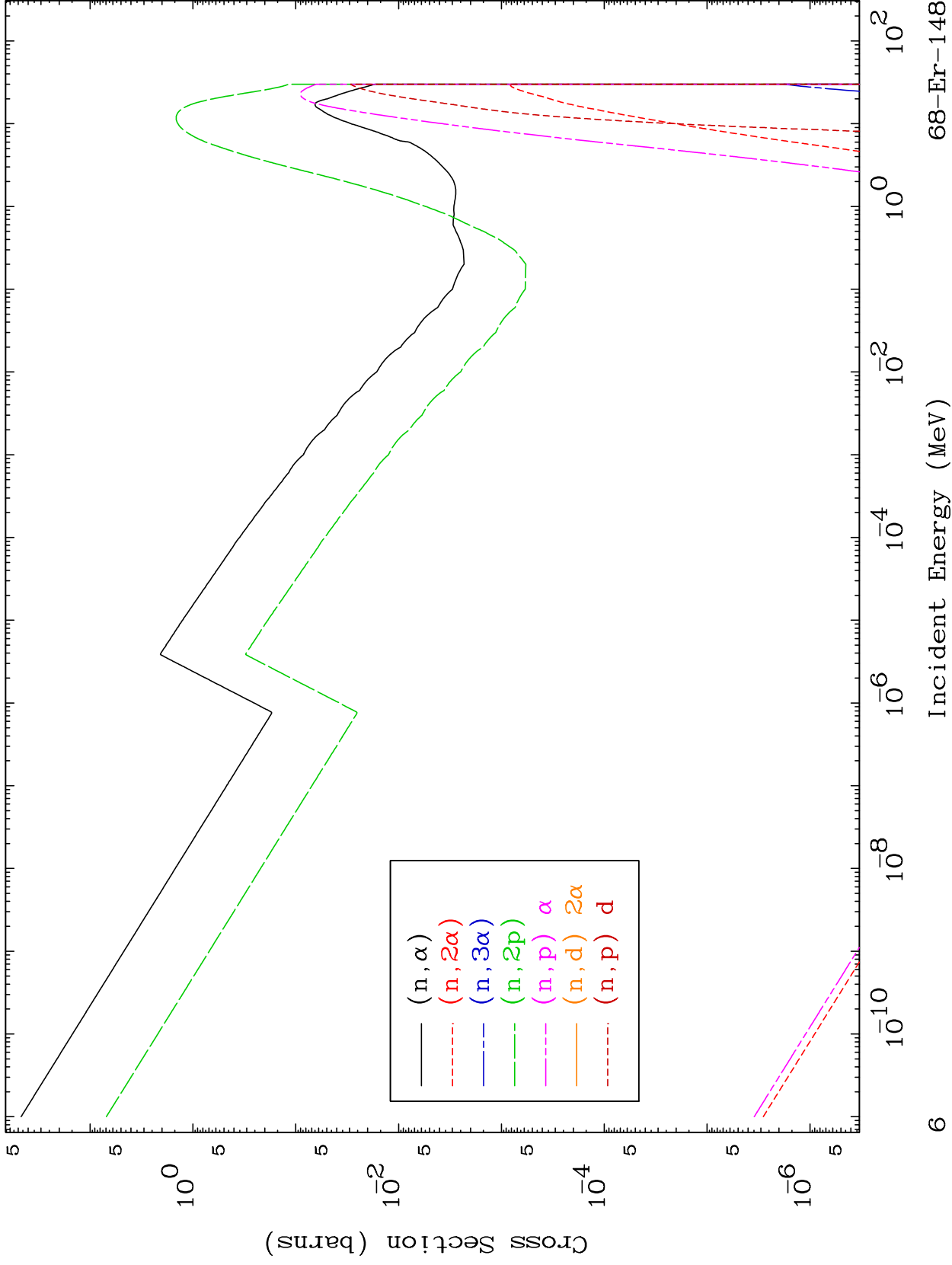
Incident Energy (MeV)

68-Er-148

MAT 6783

Charged Particle
293 Kelvin Cross Sections

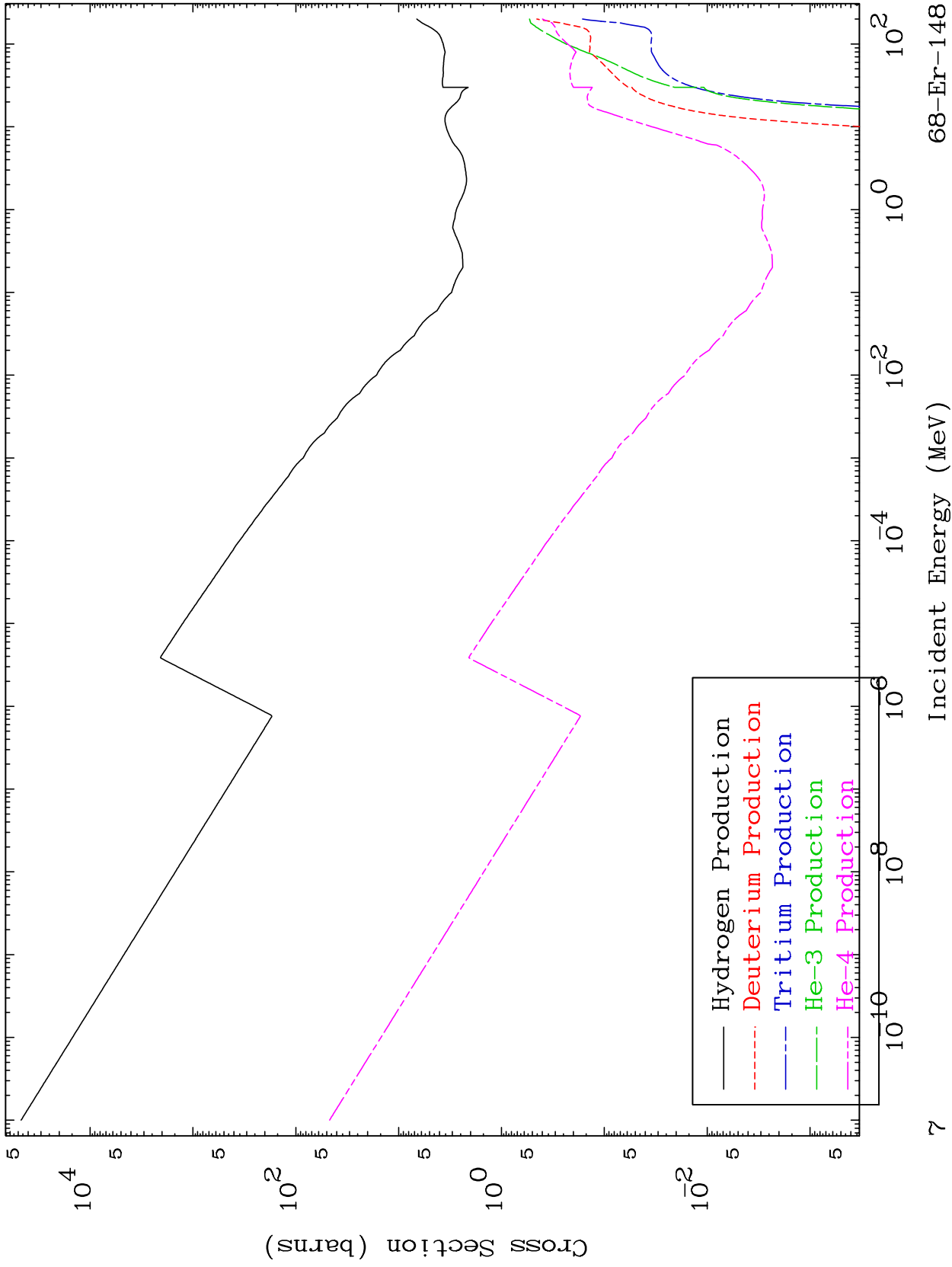
68-Er-148



MAT 6783

Particle Production
293 Kelvin Cross Sections

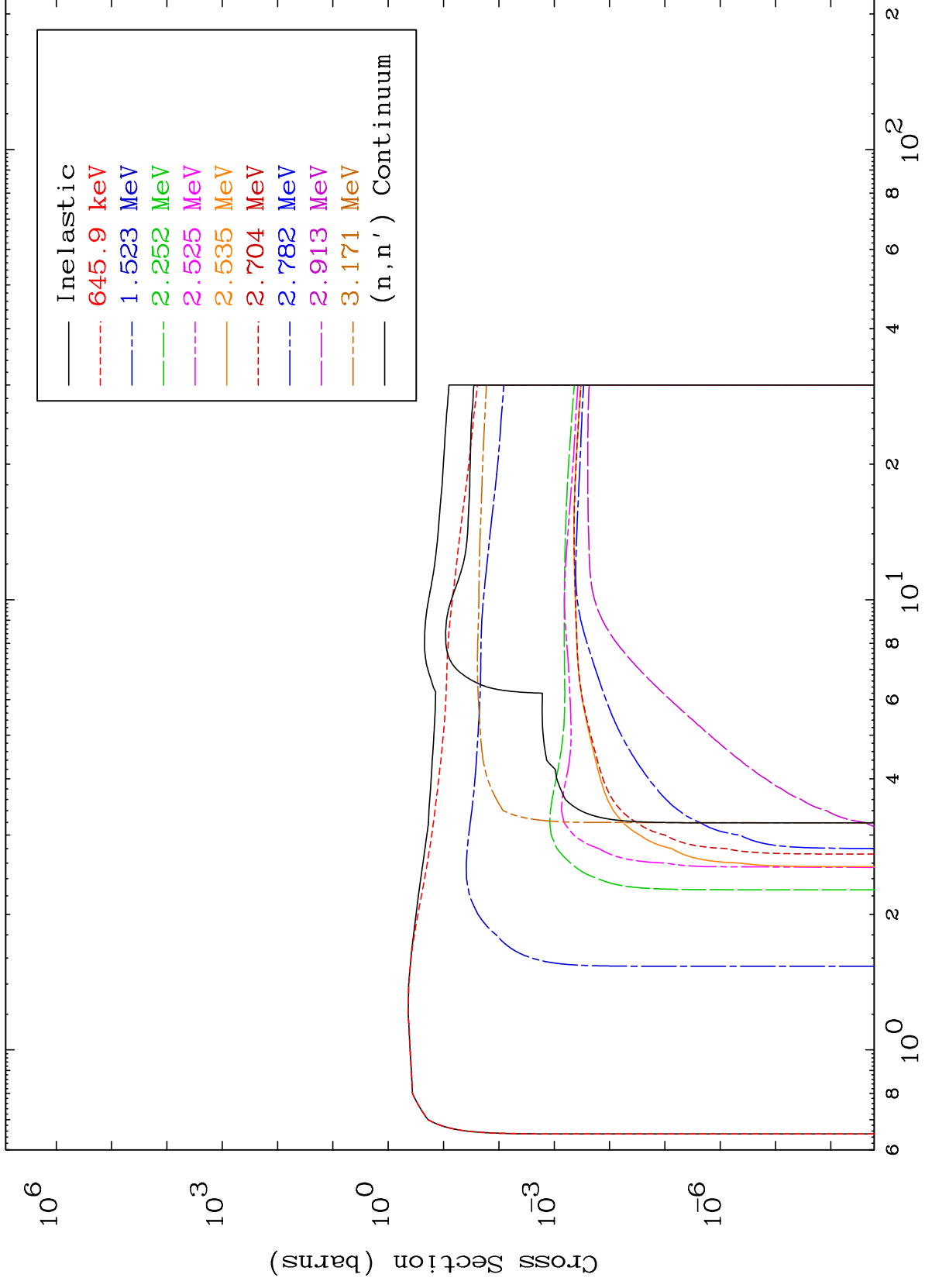
68-Er-148



MAT 6783

(n,n') Level
293 Kelvin Cross Sections

68-Er-148



8

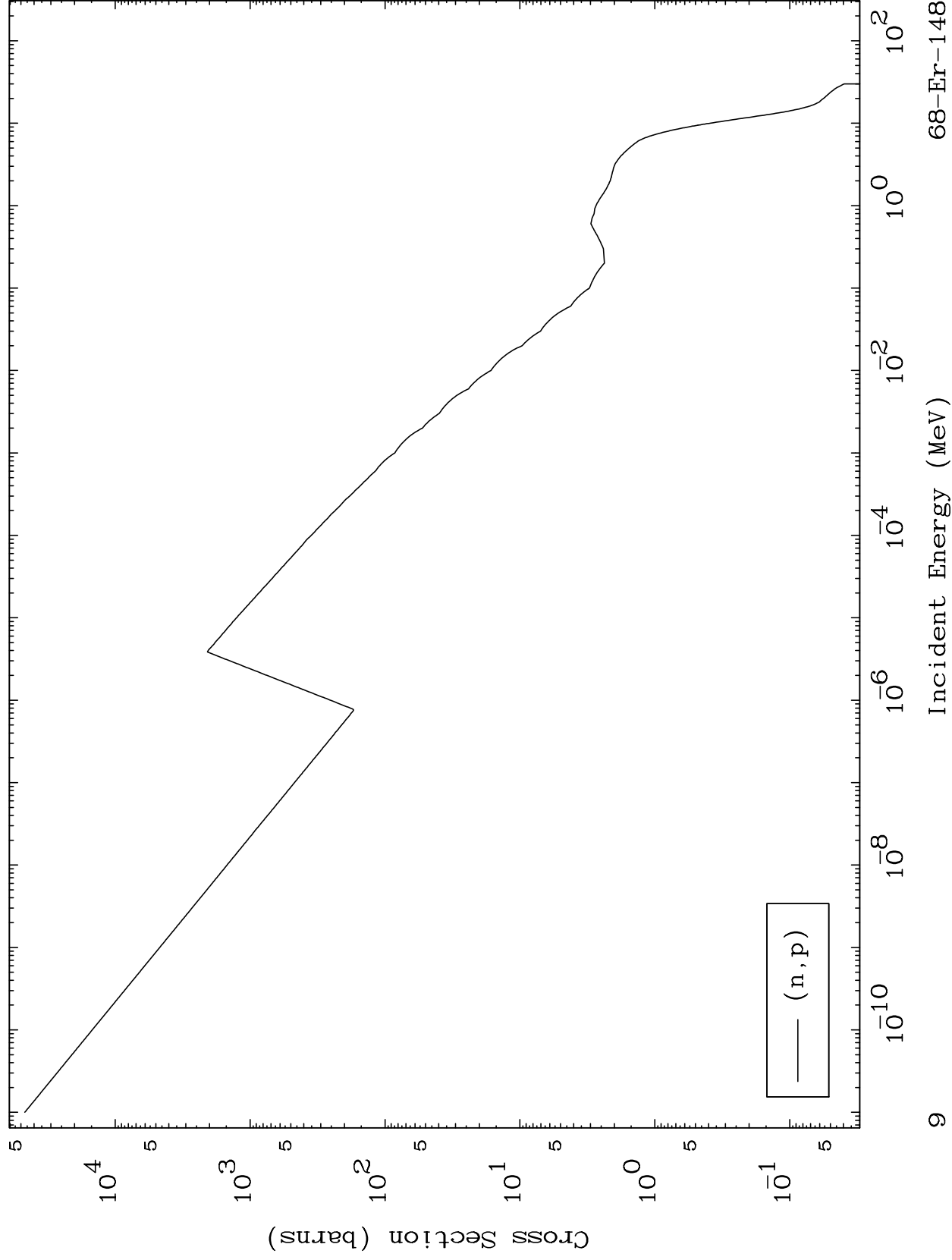
Incident Energy (MeV)

68-Er-148

MAT 6783

(n,p) Levels
293 Kelvin Cross Sections

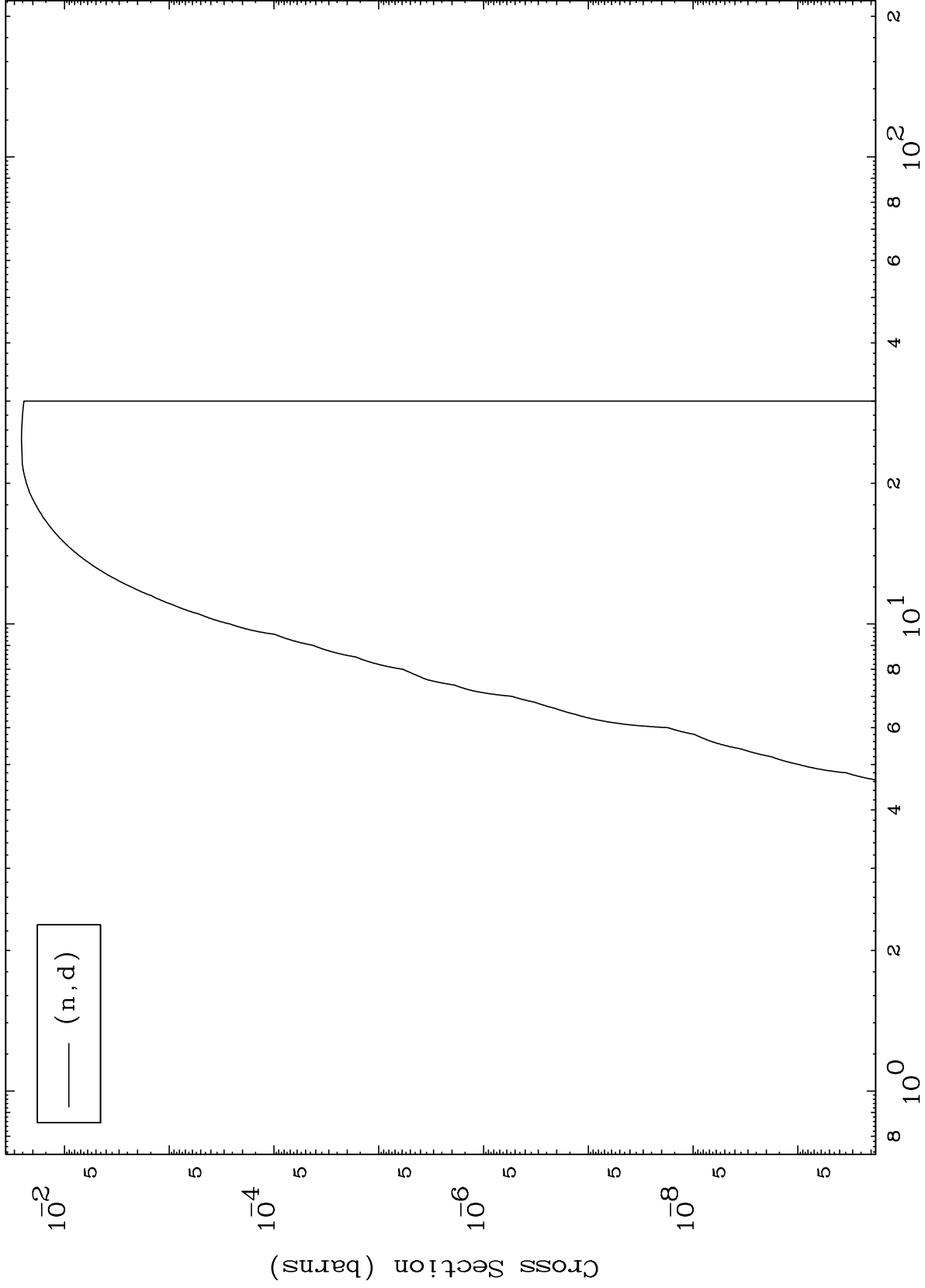
68-Er-148



MAT 6783

(n,d) Levels
293 Kelvin Cross Sections

68-Er-148



10

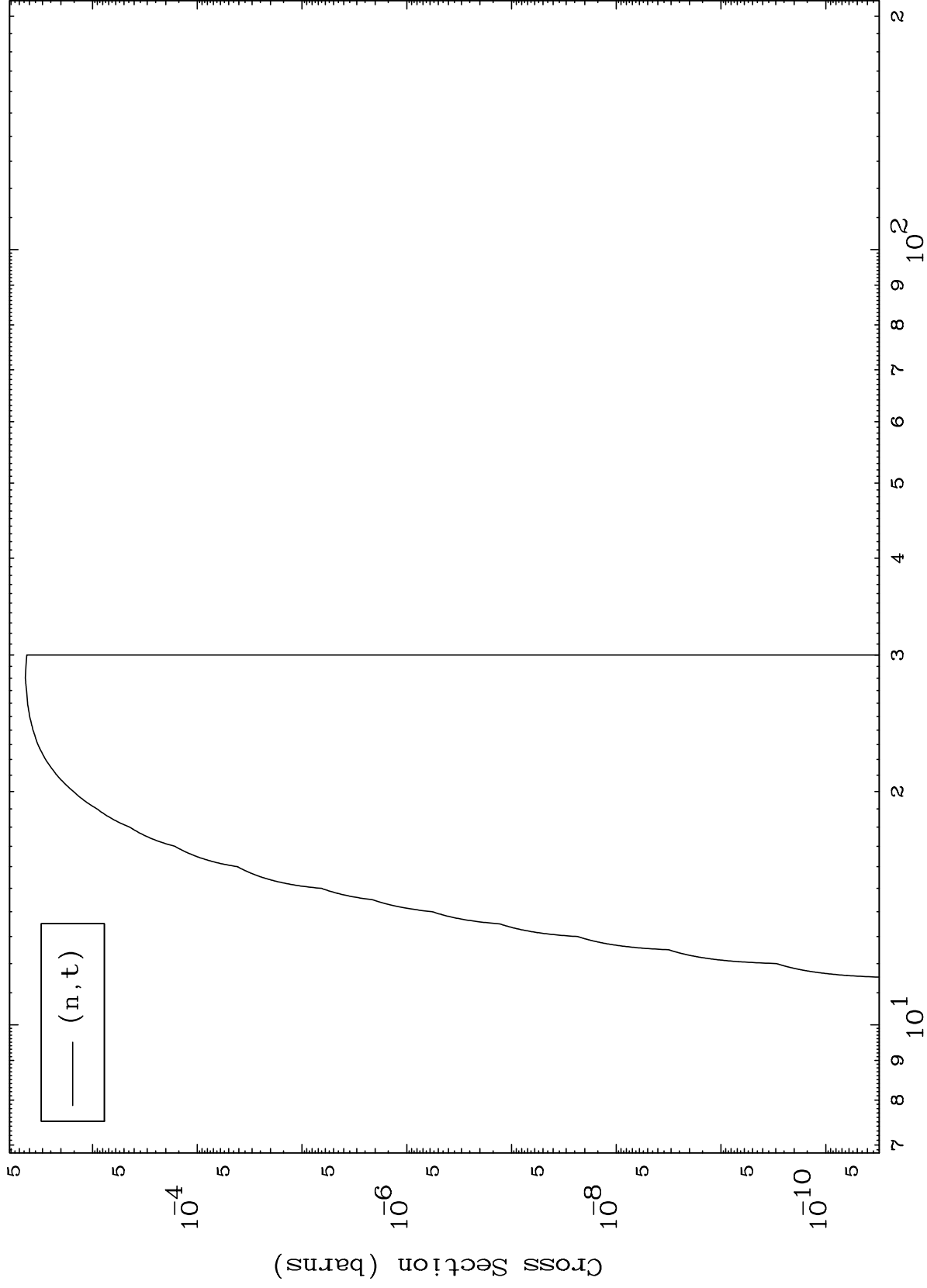
Incident Energy (MeV)

68-Er-148

MAT 6783

(n,t) Levels
293 Kelvin Cross Sections

68-Er-148



11

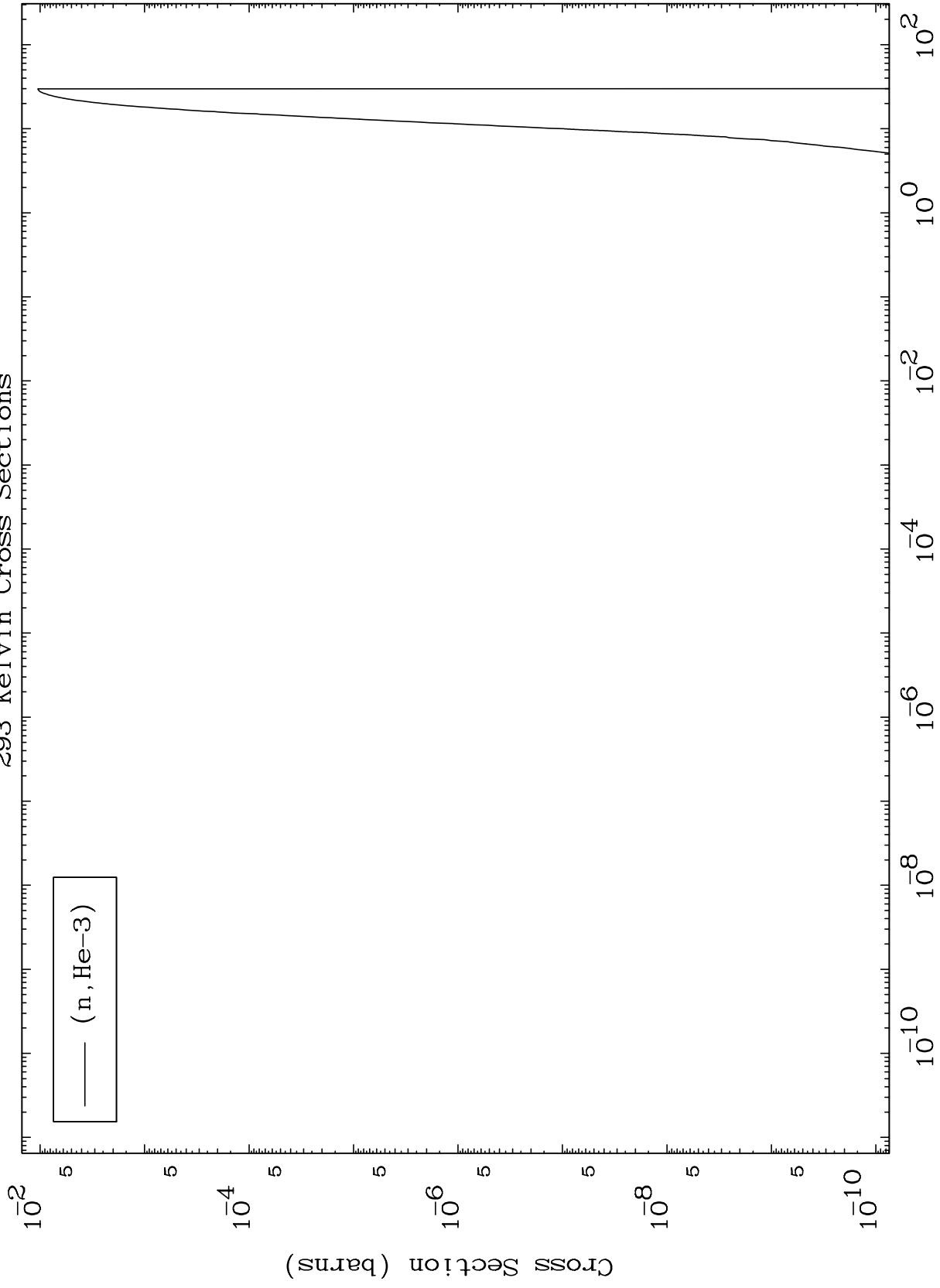
Incident Energy (MeV)

68-Er-148

MAT 6783

(n,He3) Levels
293 Kelvin Cross Sections

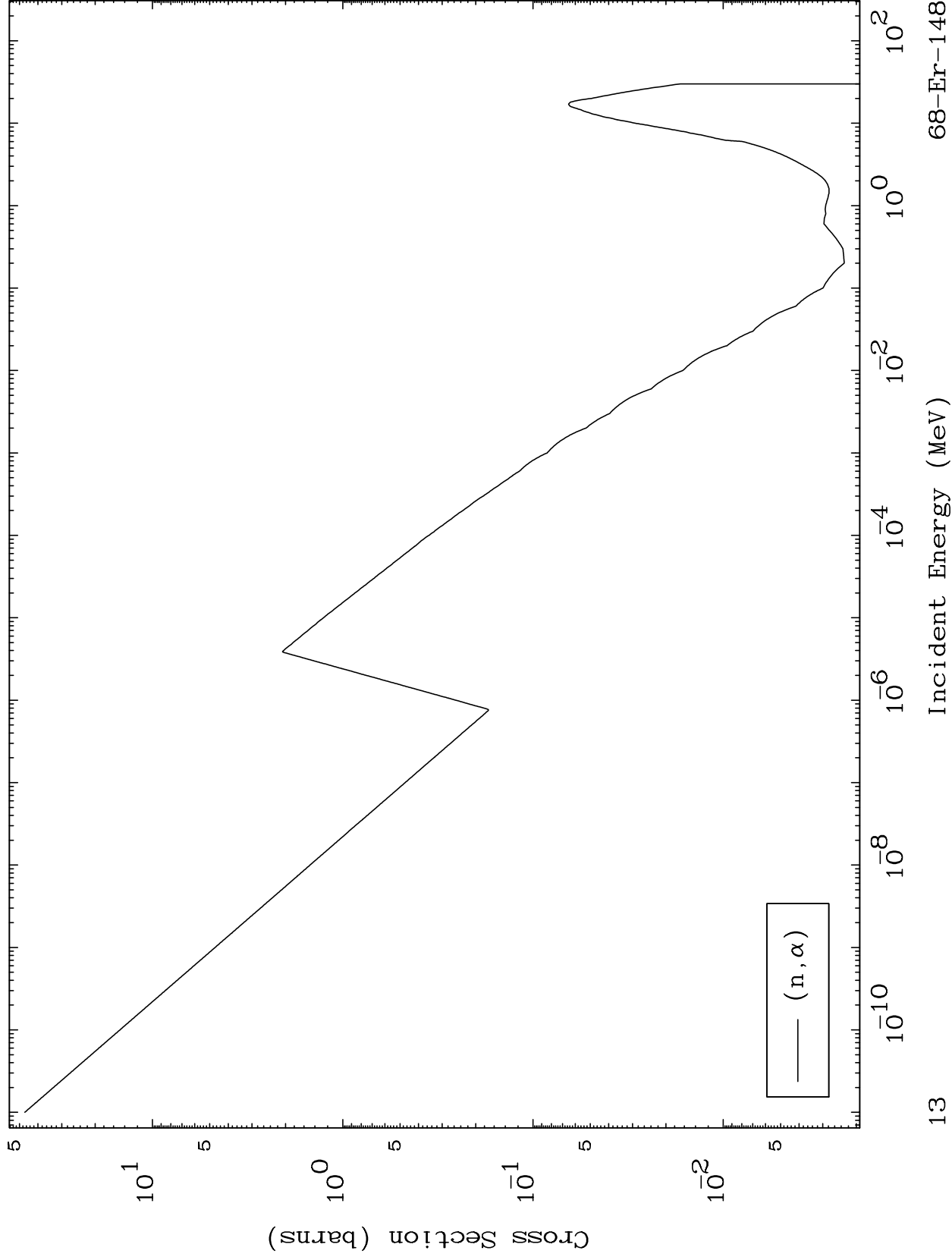
68-Er-148

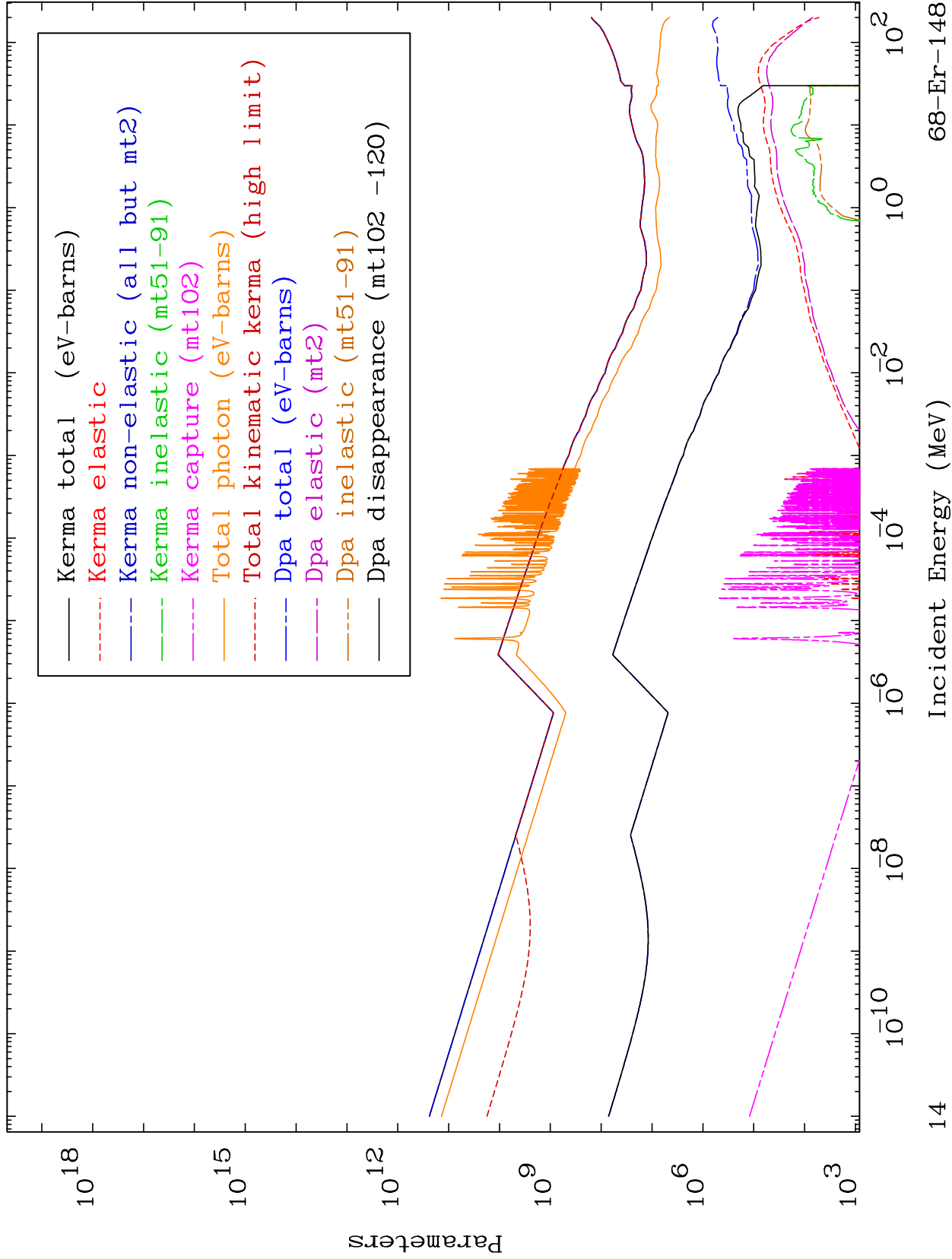


MAT 6783

(n,α) Levels
293 Kelvin Cross Sections

68-Er-148

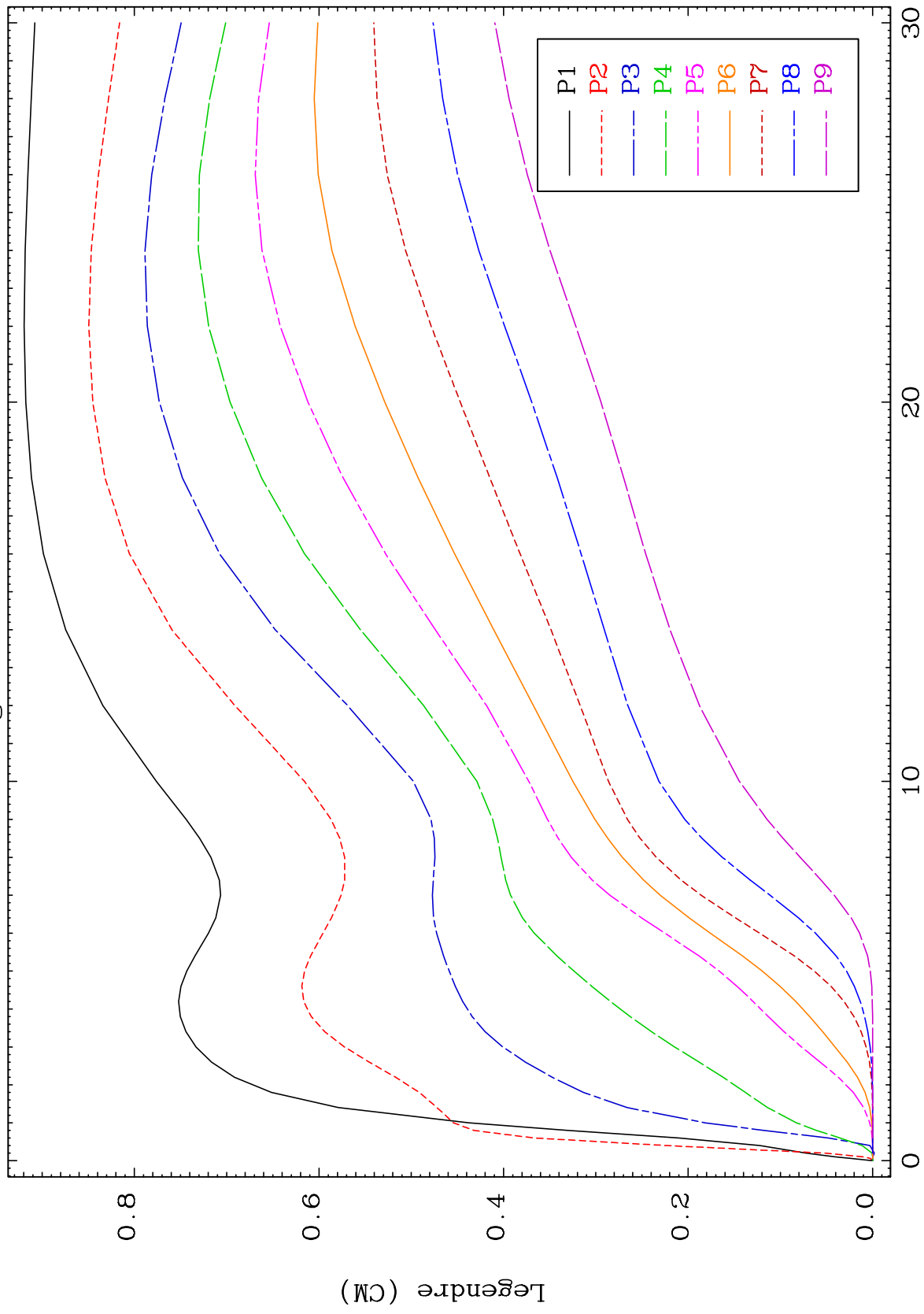




MAT 6783

Elastic Legendre Coefficients

68-Er-148



15

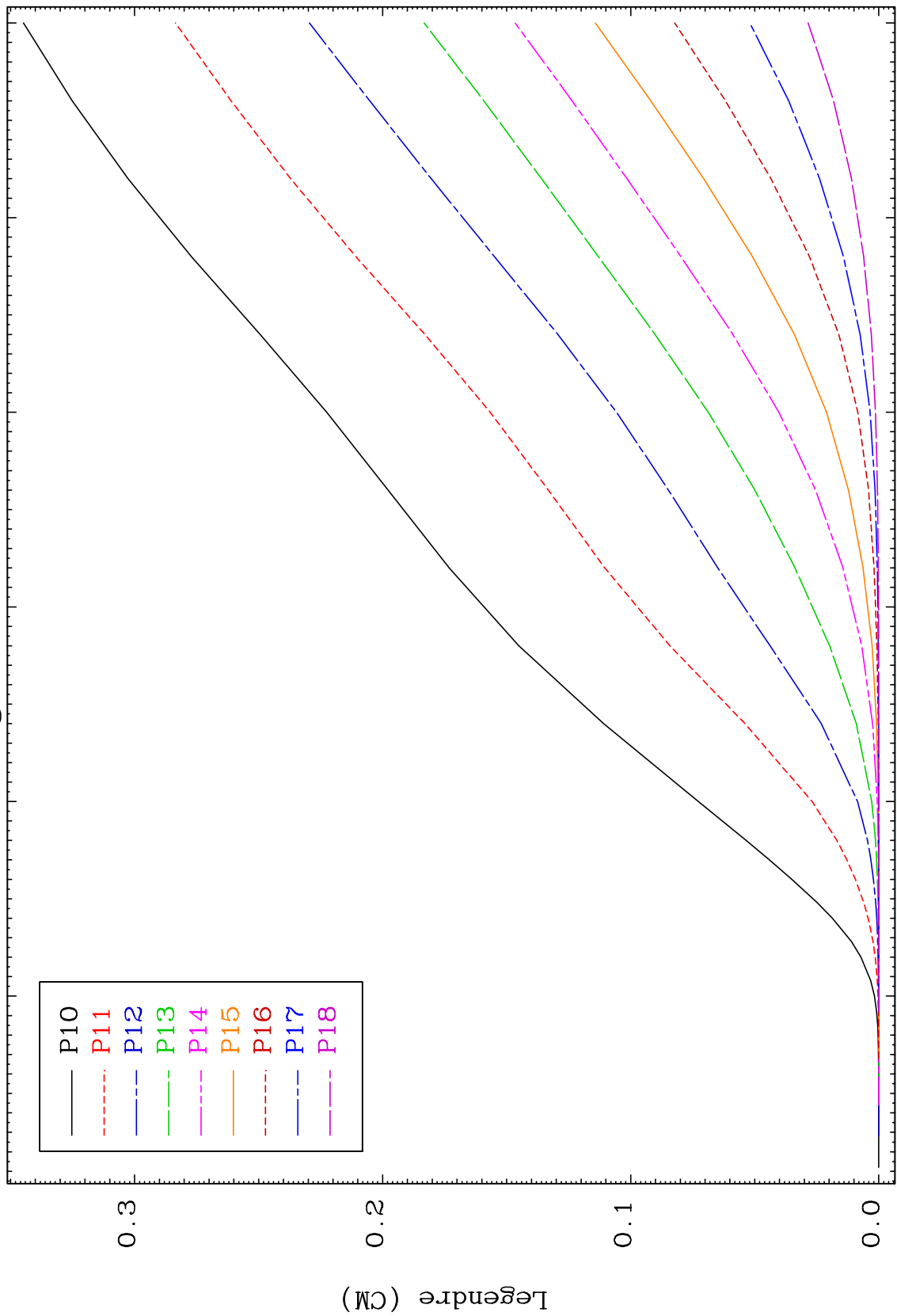
Incident Energy (MeV)

68-Er-148

MAT 6783

Elastic Legendre Coefficients

68-Er-148



16

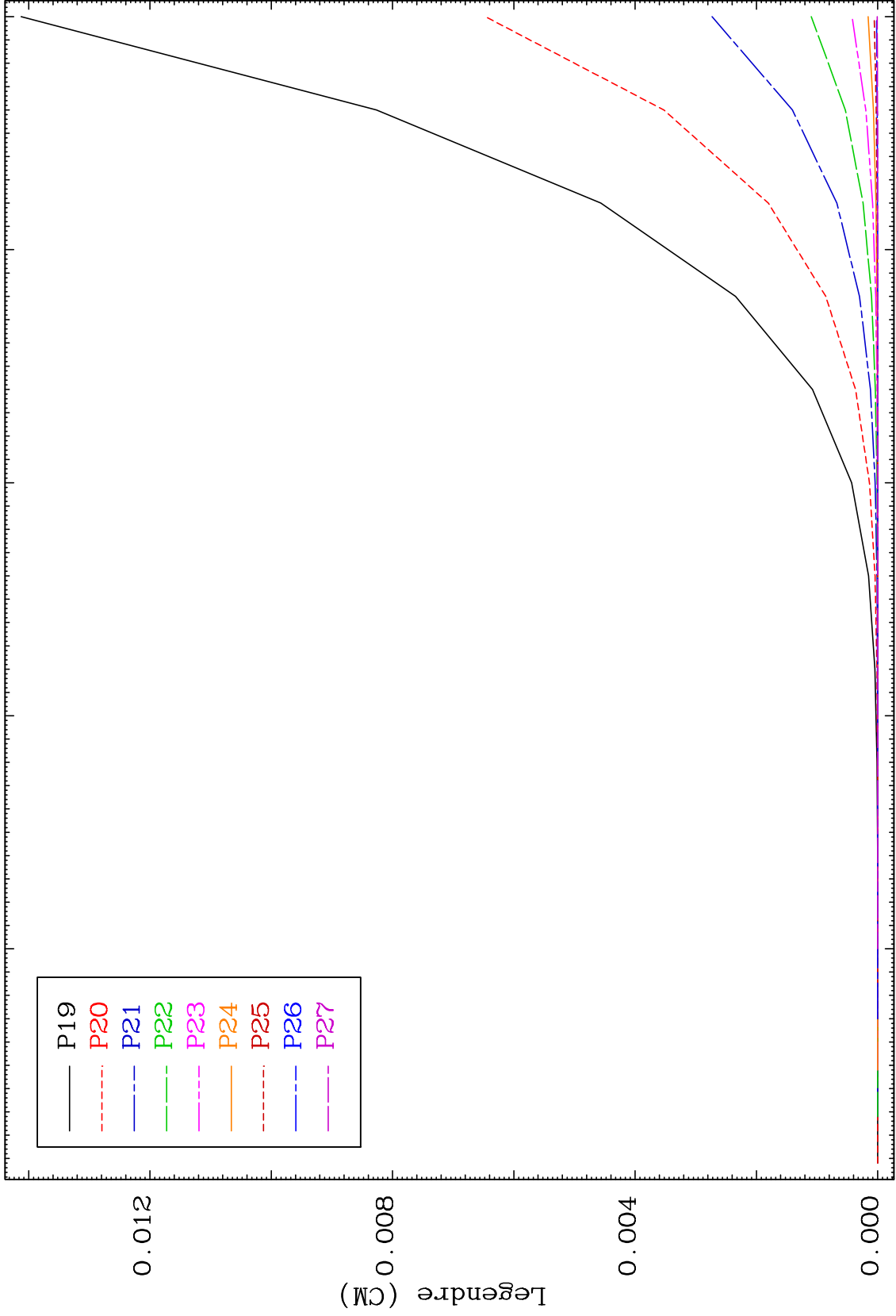
Incident Energy (MeV)

68-Er-148

MAT 6783

Elastic Legendre Coefficients

68-Er-148



17

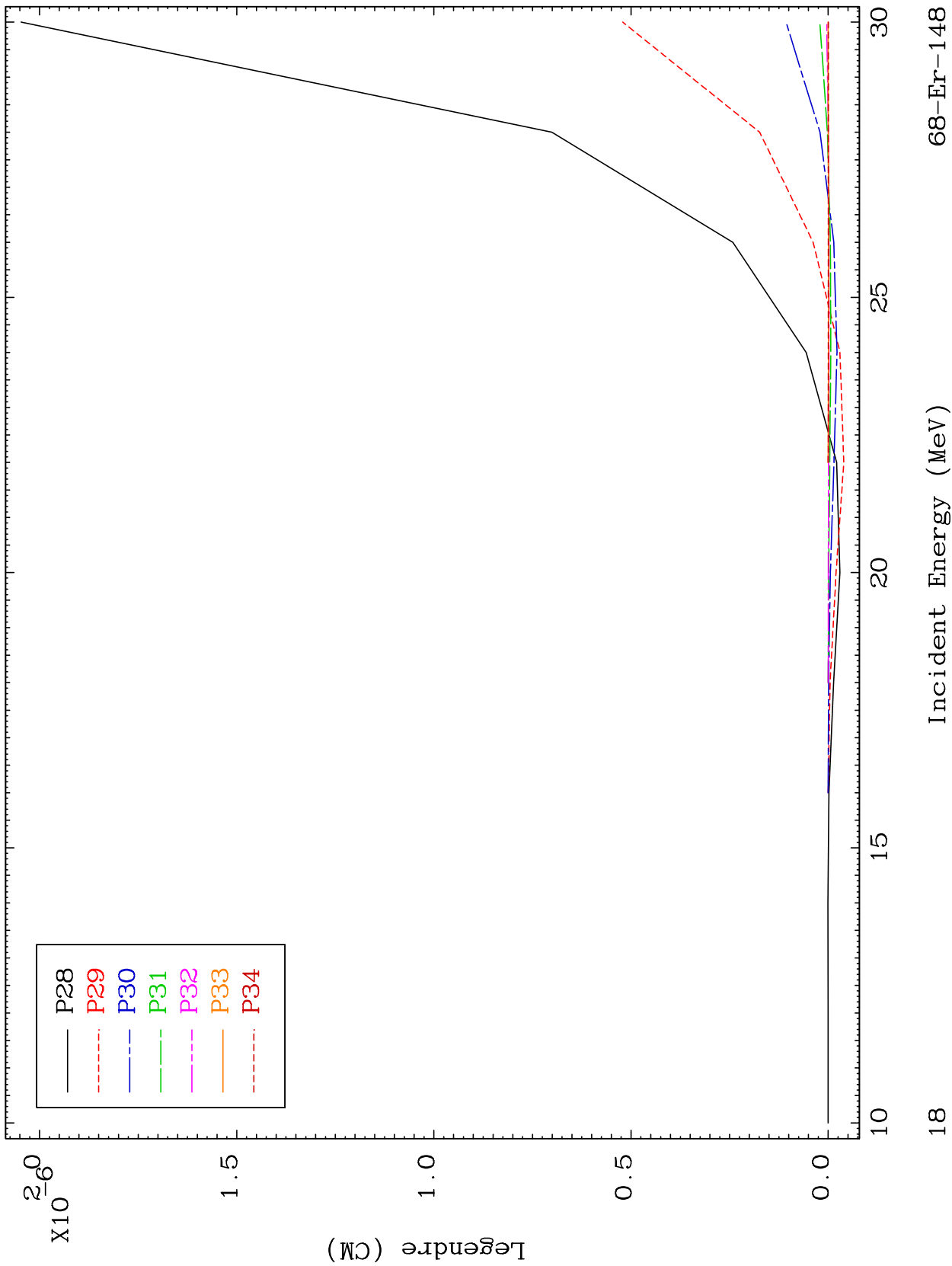
Incident Energy (MeV)

68-Er-148

MAT 6783

Elastic Legendre Coefficients

68-Er-148



18

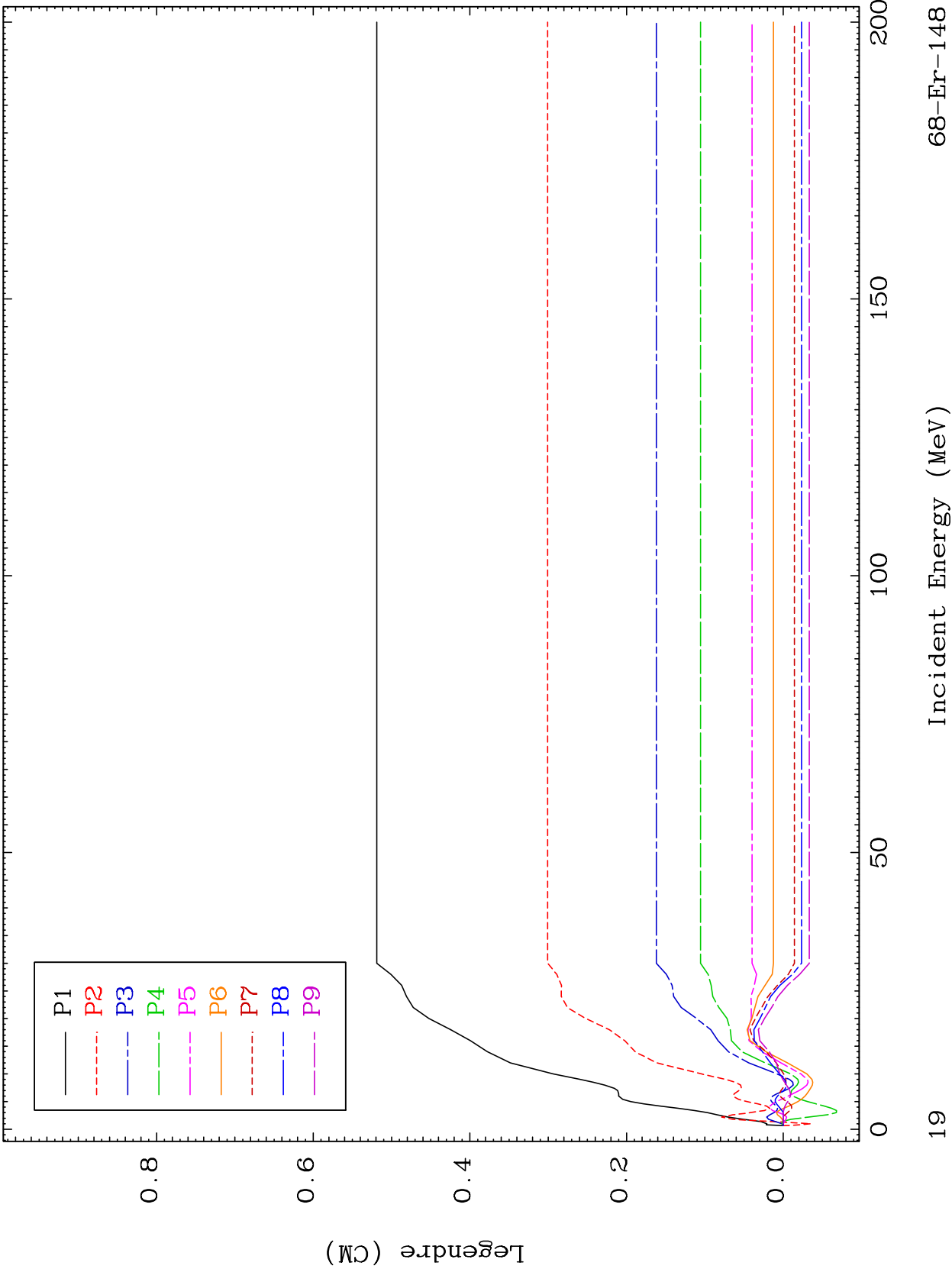
Incident Energy (MeV)

68-Er-148

MAT 6783

645.9 keV (n,n') Level
Legendre Coefficients

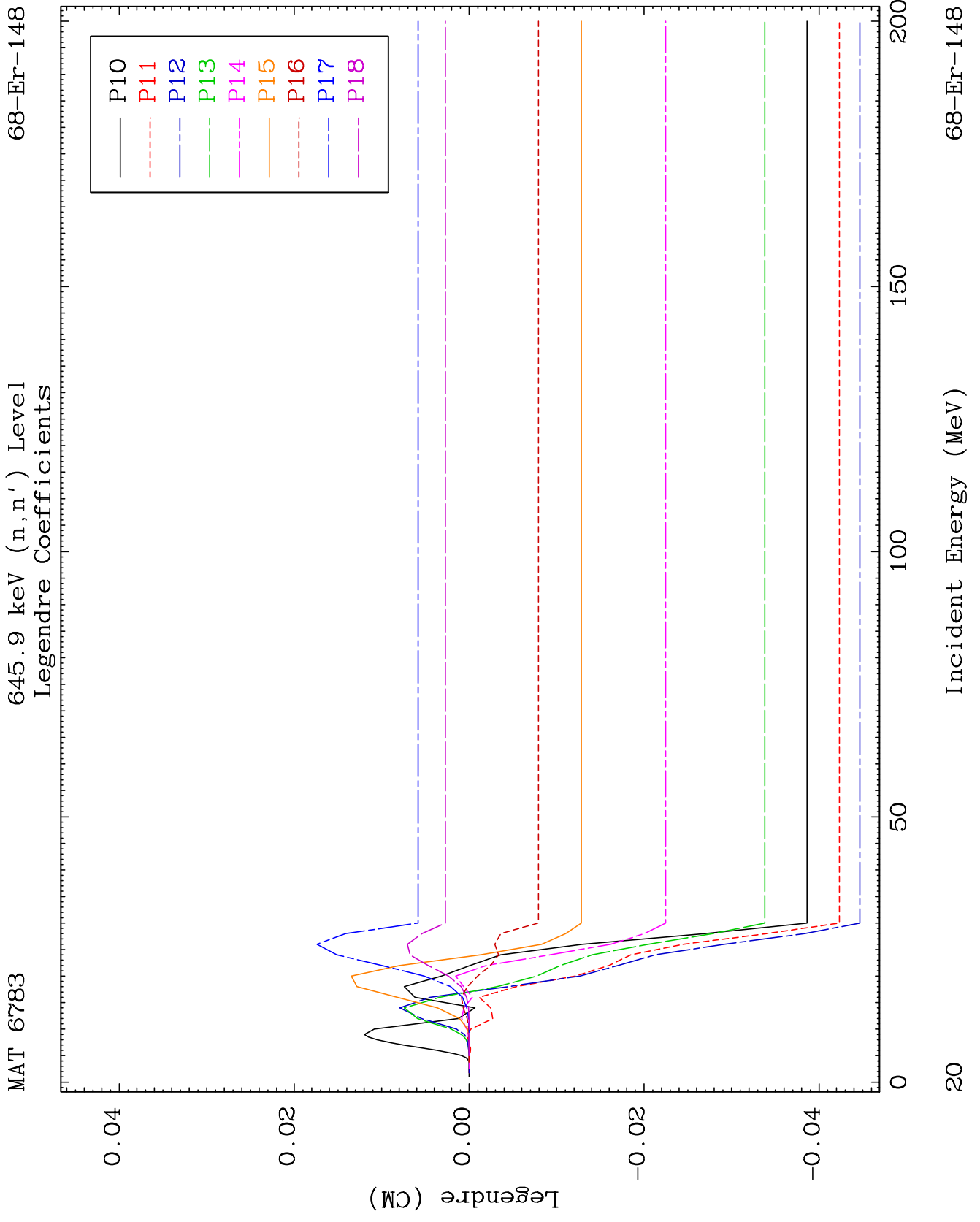
68-Er-148



68-Er-148

Incident Energy (MeV)

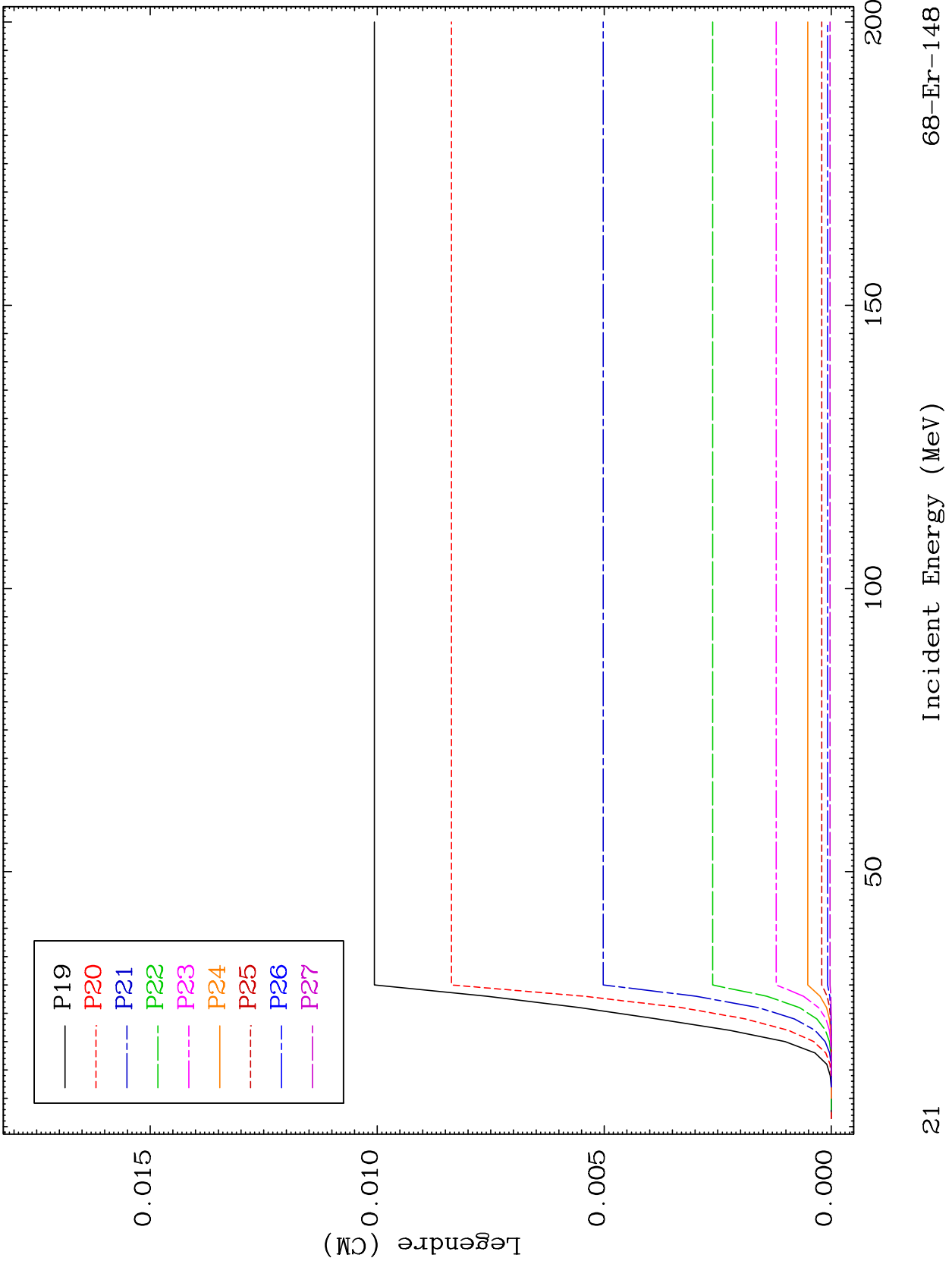
19



MAT 6783

645.9 keV (n,n') Level
Legendre Coefficients

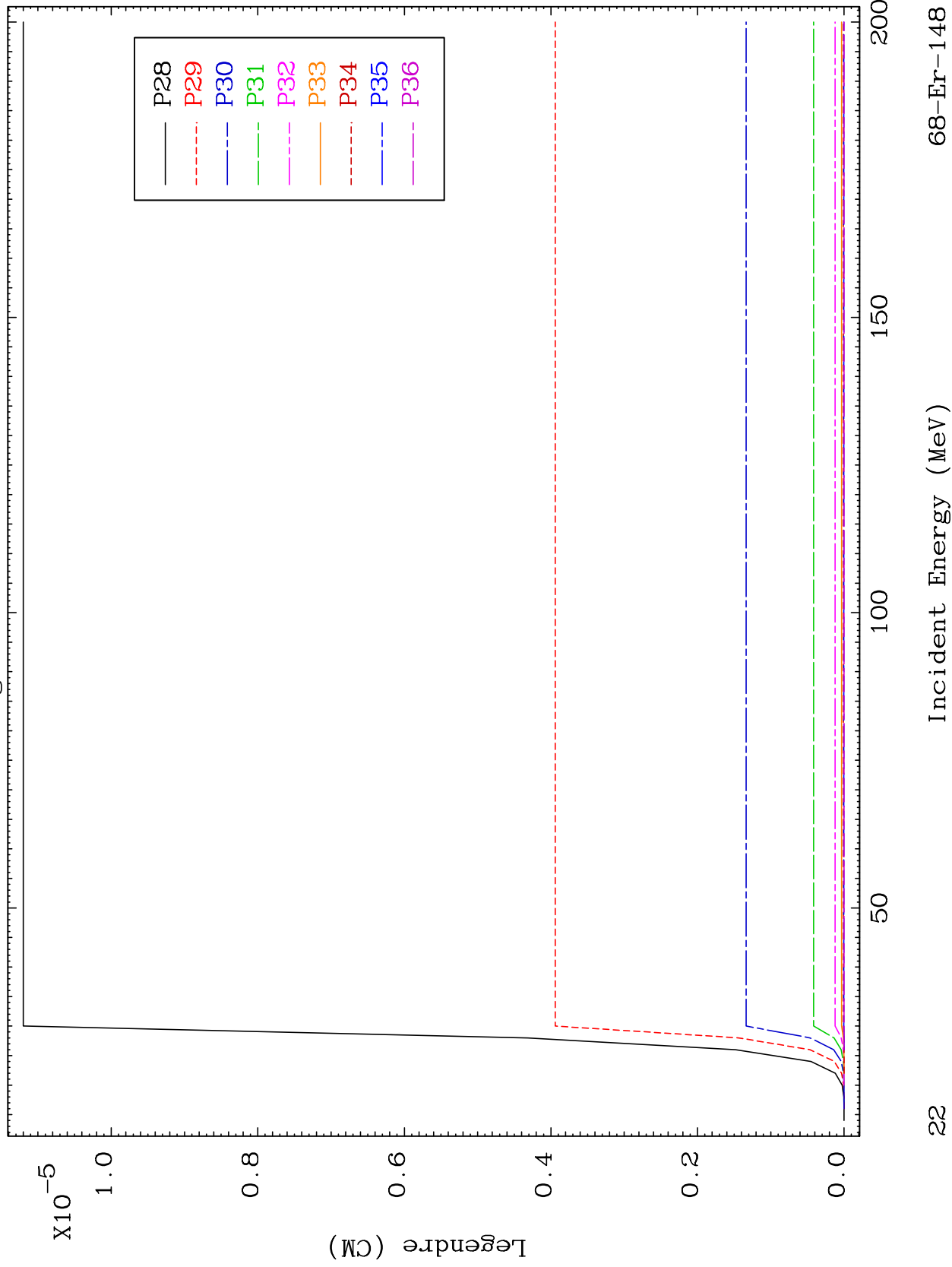
68-Er-148



MAT 6783

645.9 keV (n,n') Level
Legendre Coefficients

68-Er-148

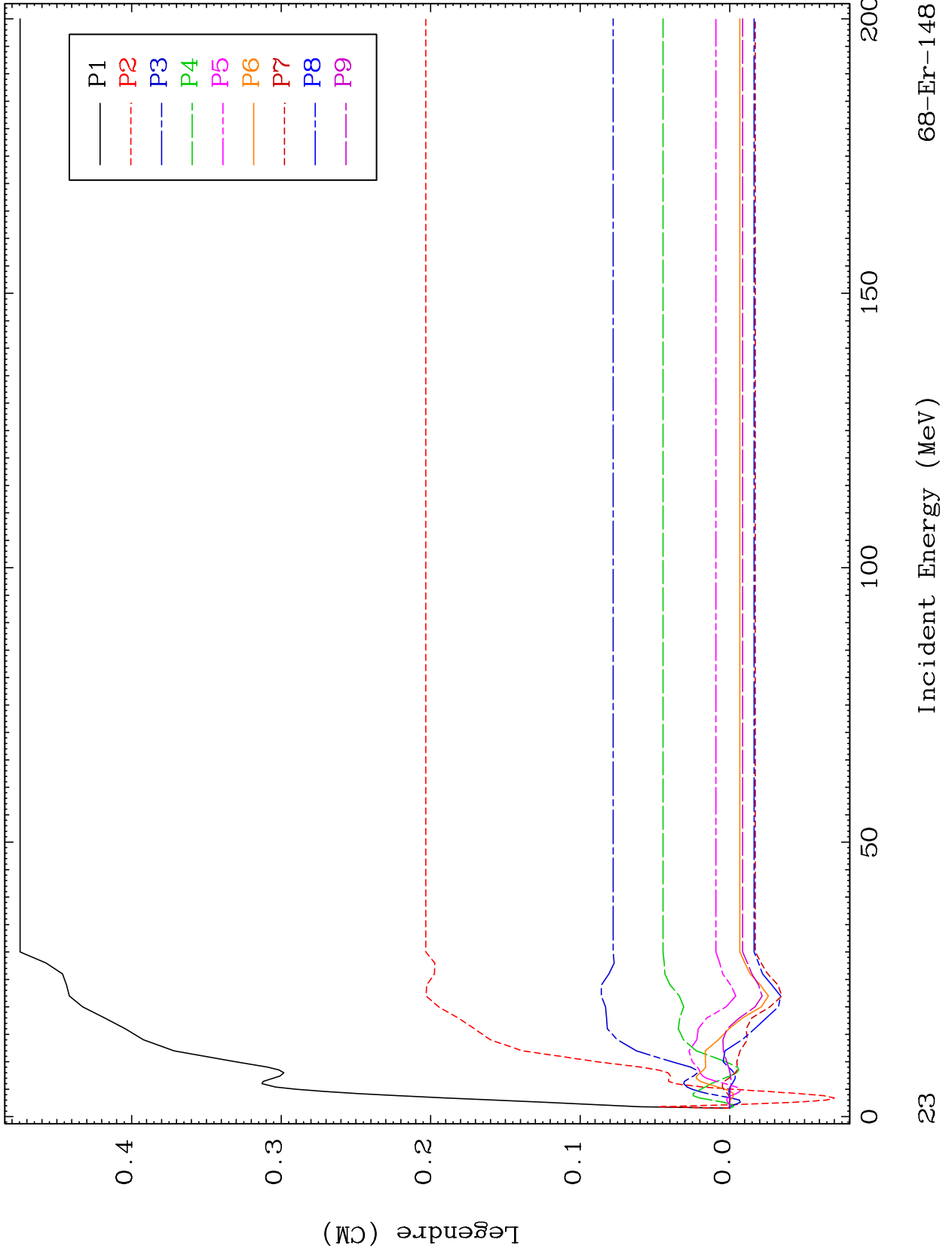


22

MAT 6783

1.523 MeV (n,n') Level
Legendre Coefficients

68-Er-148



68-Er-148

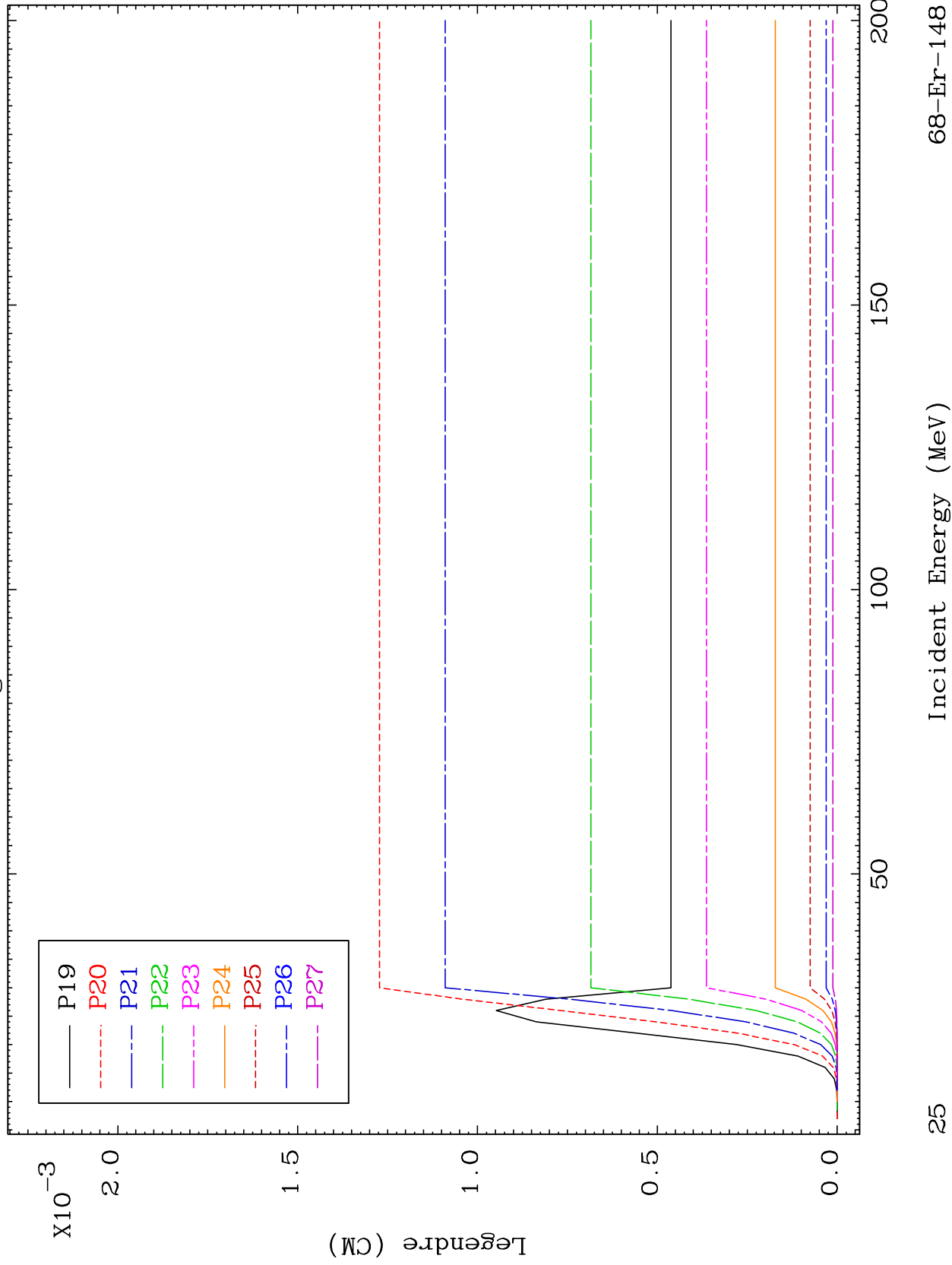
Incident Energy (MeV)

23

MAT 6783

1.523 MeV (n,n') Level
Legendre Coefficients

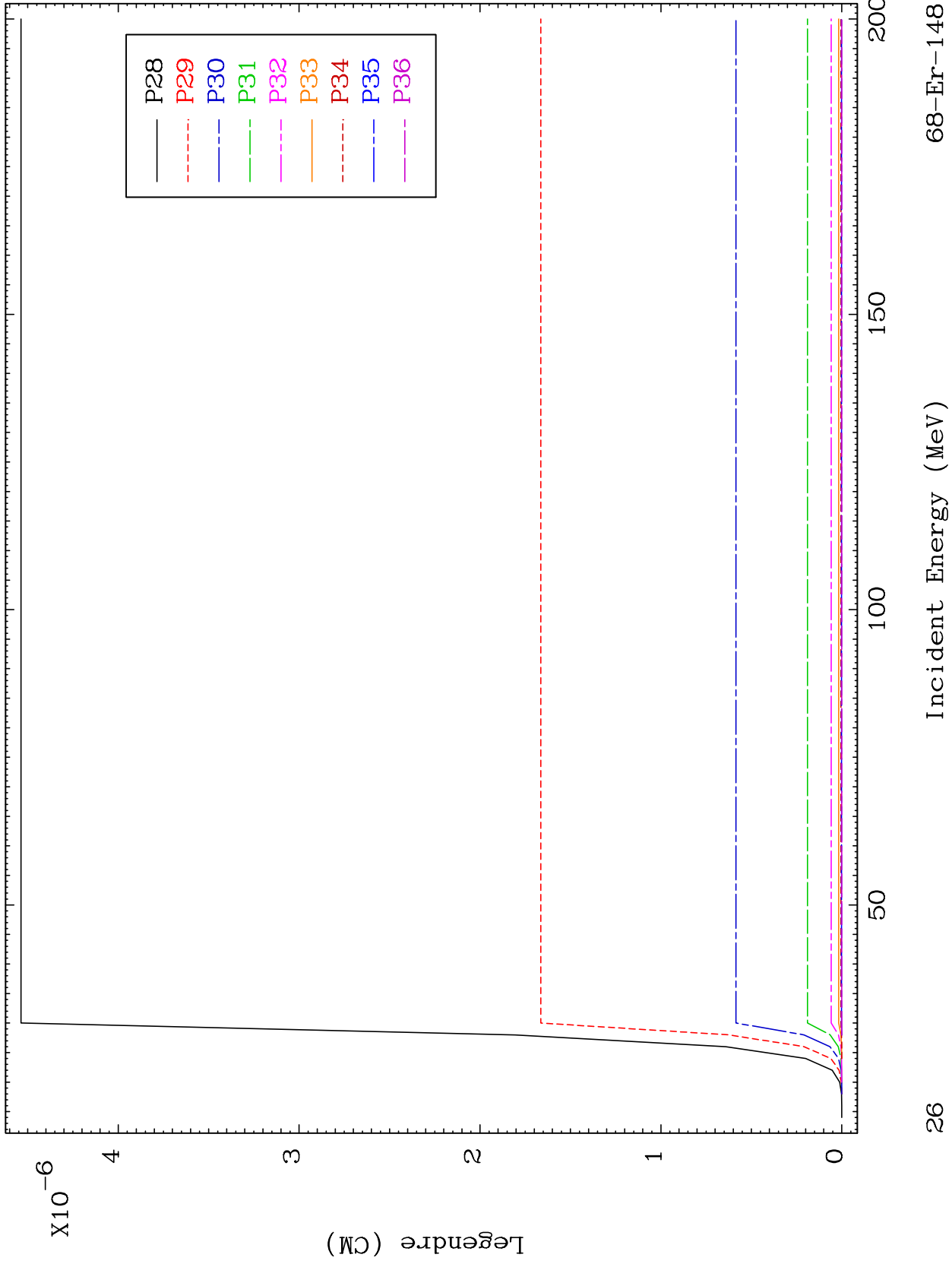
68-Er-148



MAT 6783

1.523 MeV (n,n') Level
Legendre Coefficients

68-Er-148



26

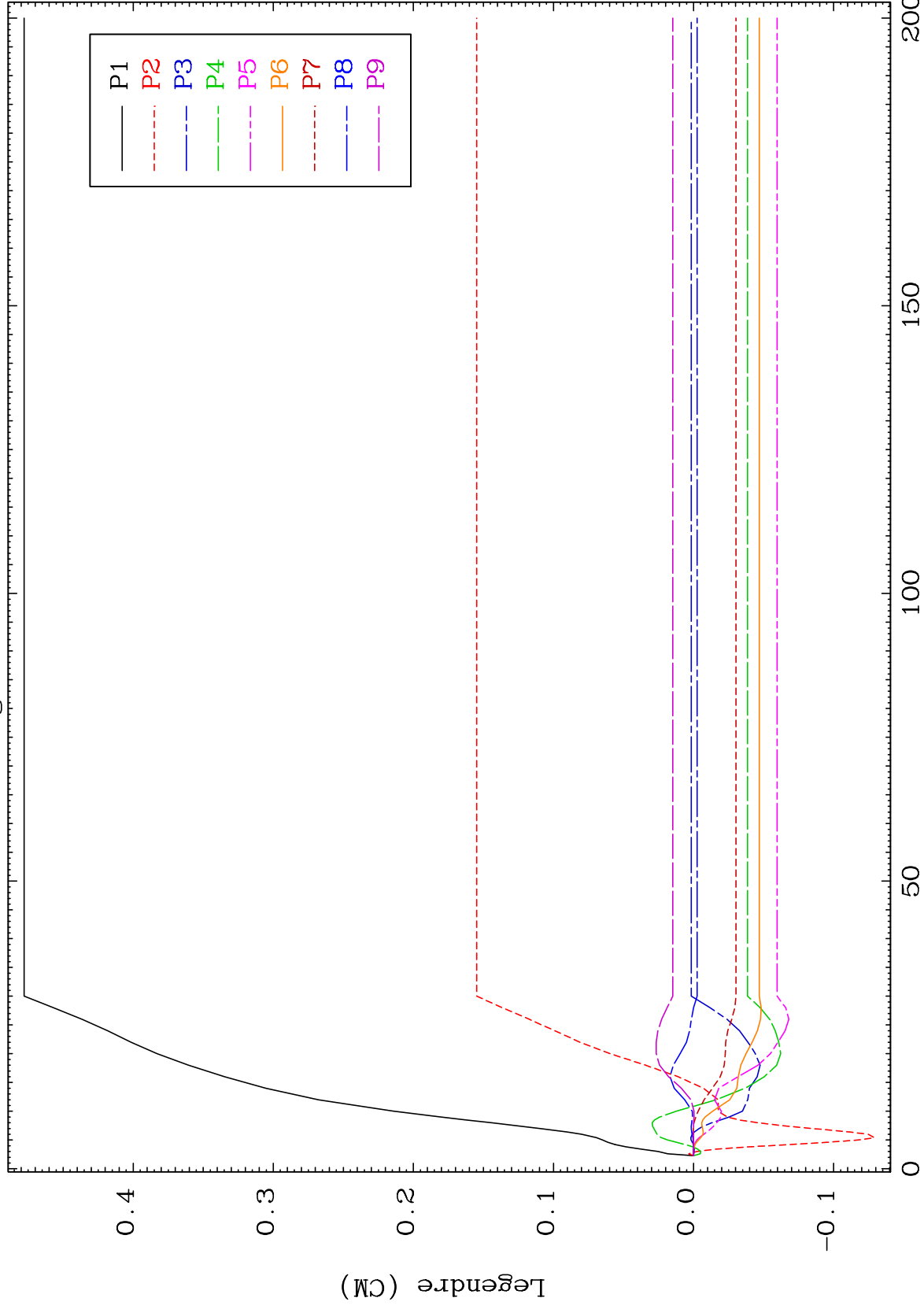
Incident Energy (MeV)

68-Er-148

MAT 6783

2.252 MeV (n,n') Level
Legendre Coefficients

68-Er-148



27

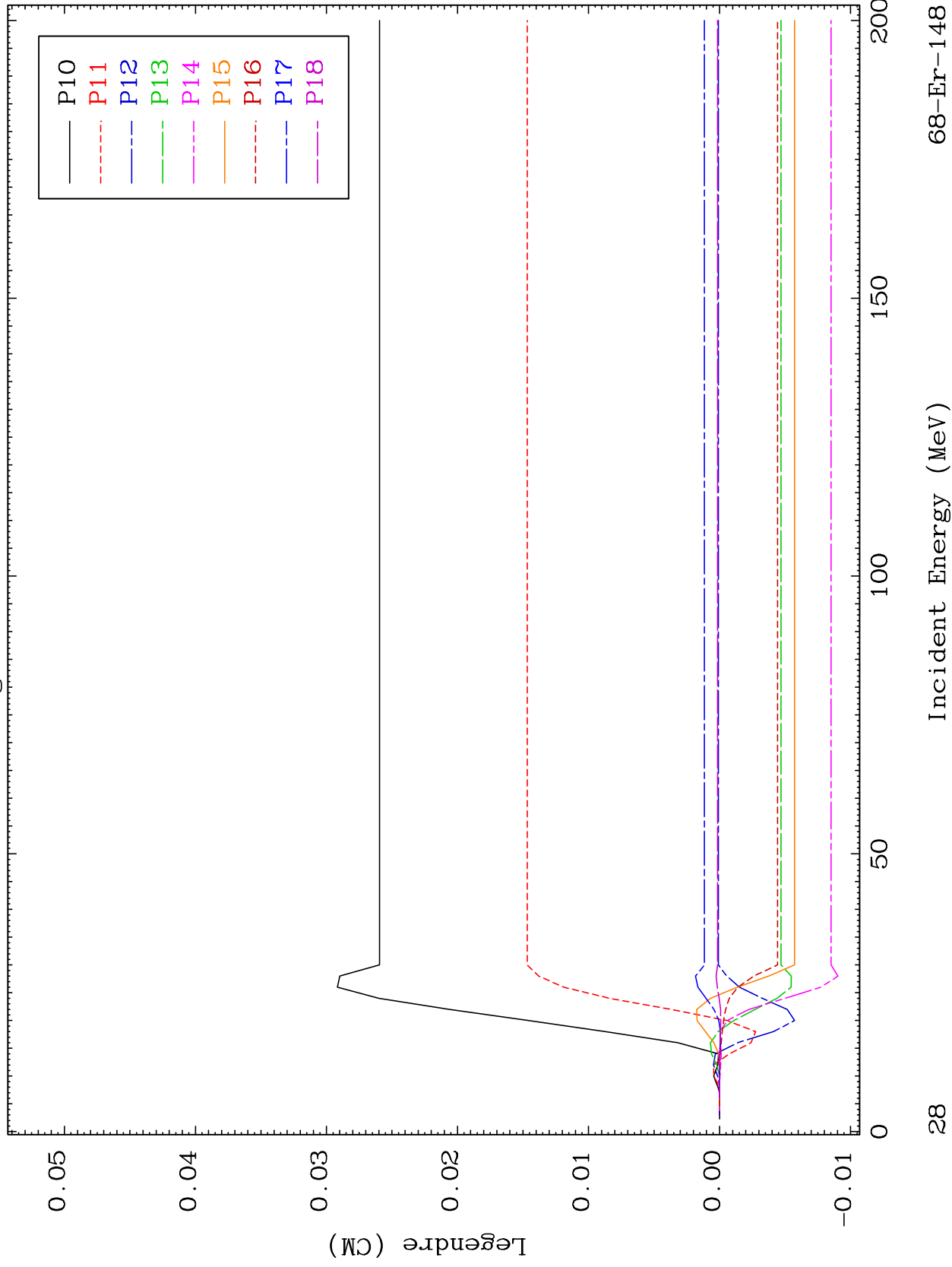
Incident Energy (MeV)

68-Er-148

MAT 6783

2.252 MeV (n,n') Level
Legendre Coefficients

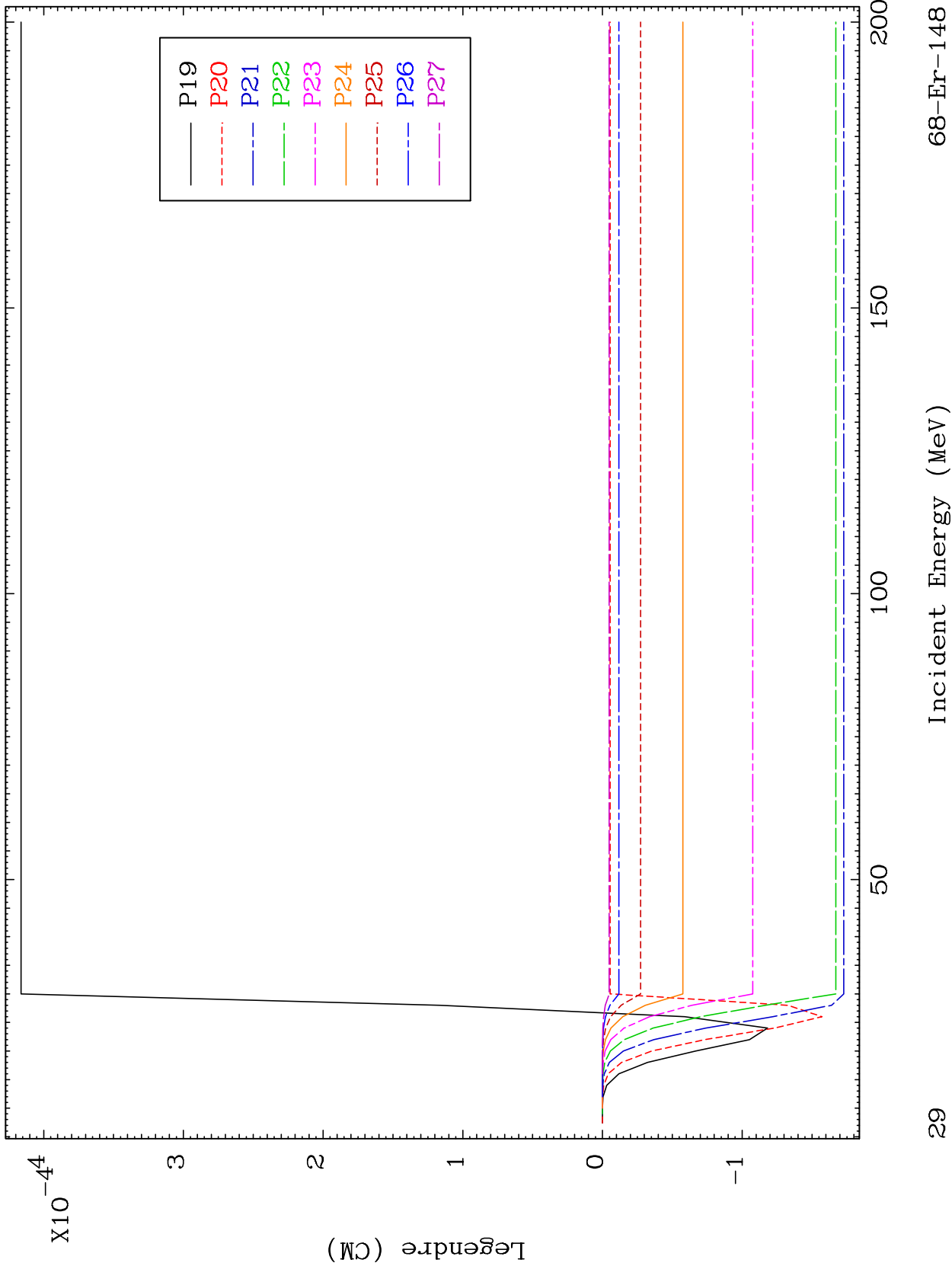
68-Er-148

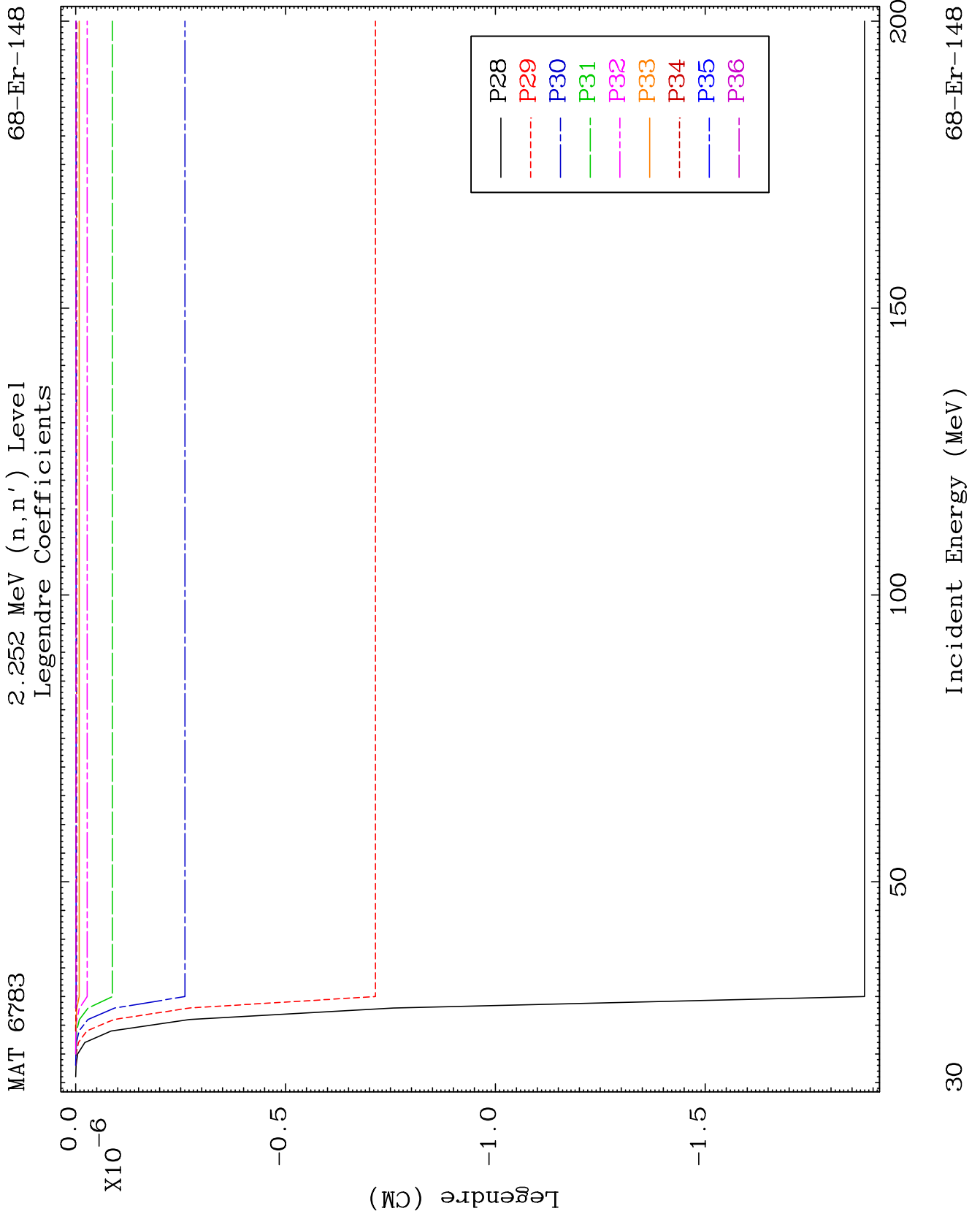


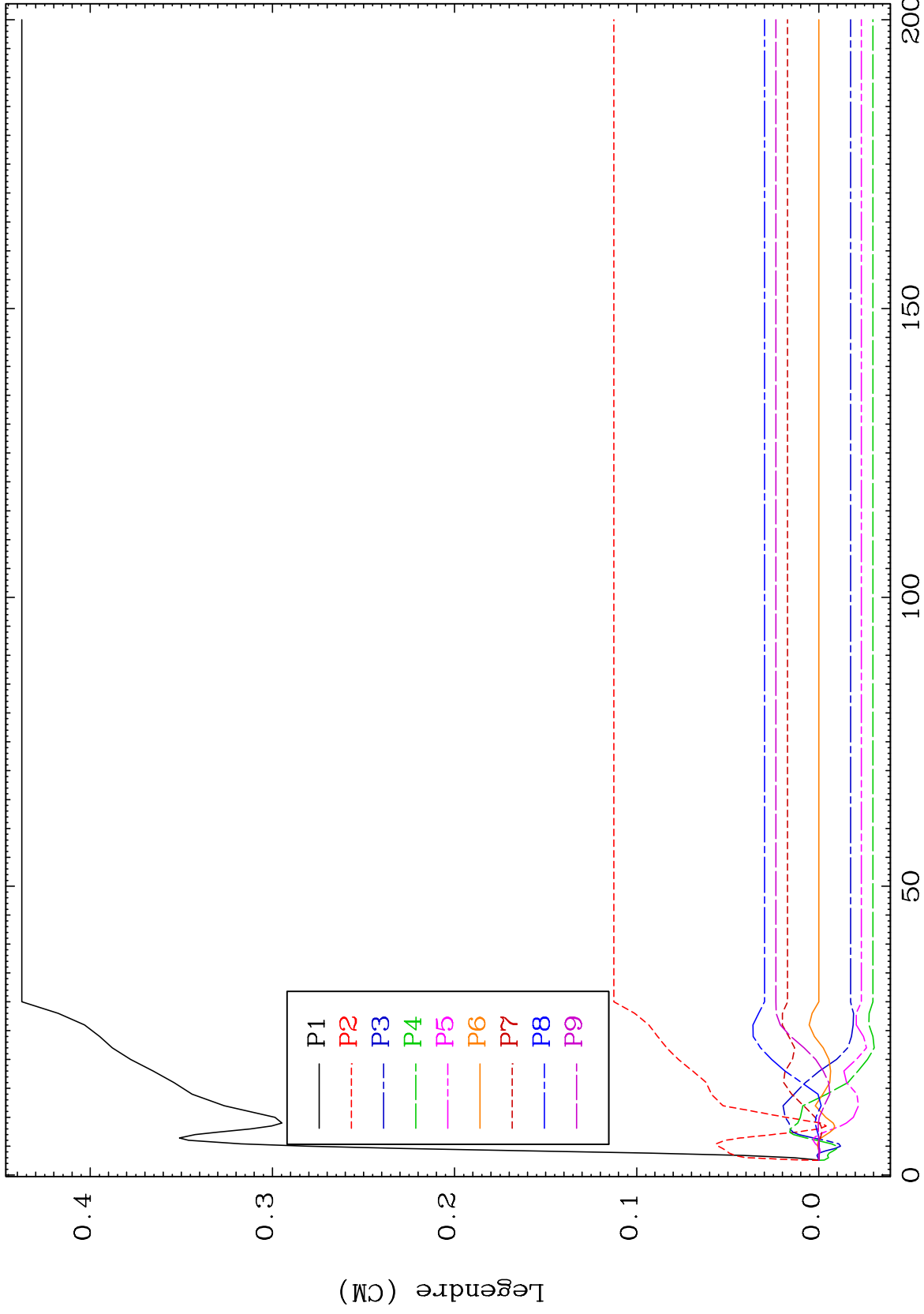
68-Er-148

Incident Energy (MeV)

28



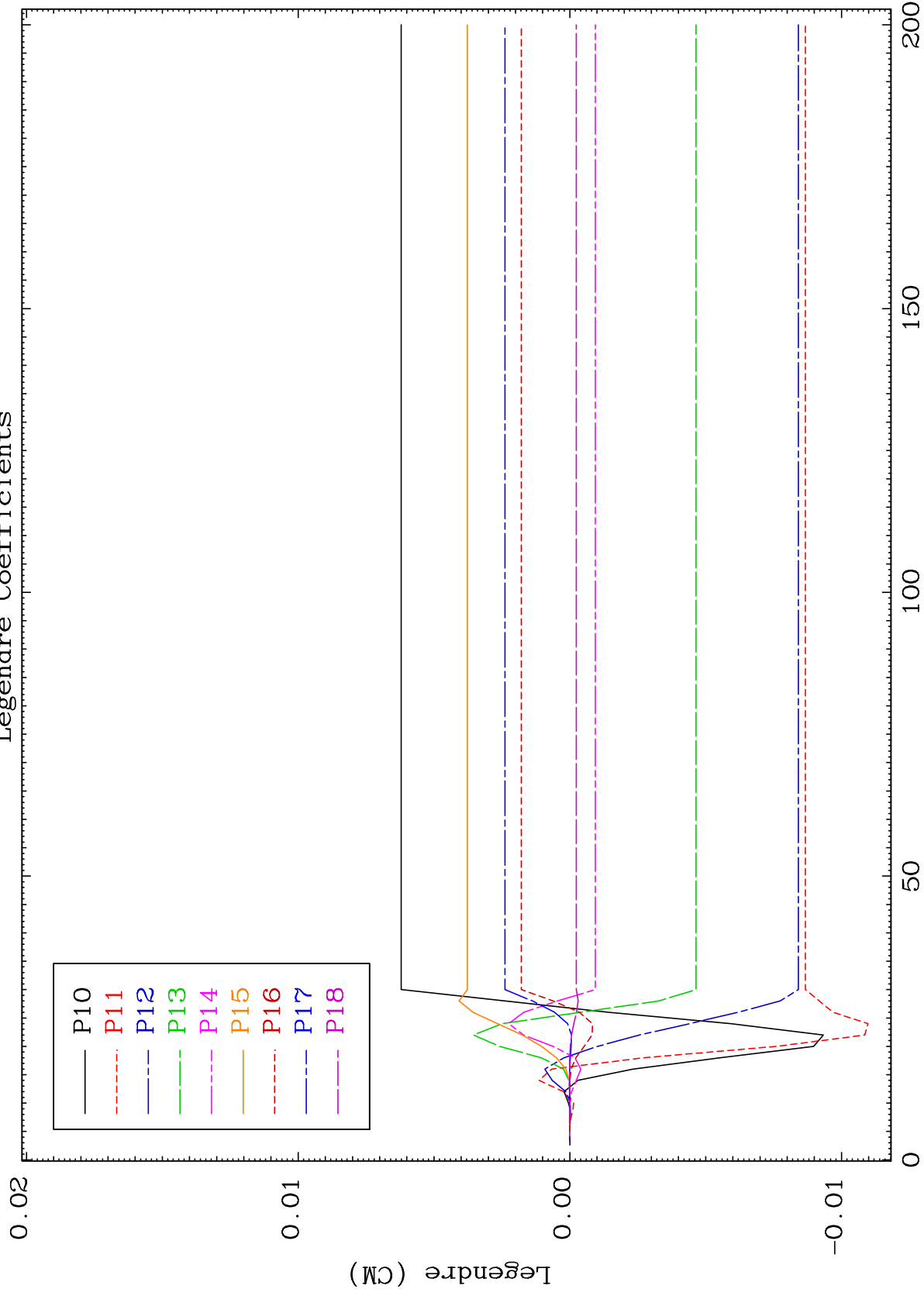




MAT 6783

2.525 MeV (n,n') Level
Legendre Coefficients

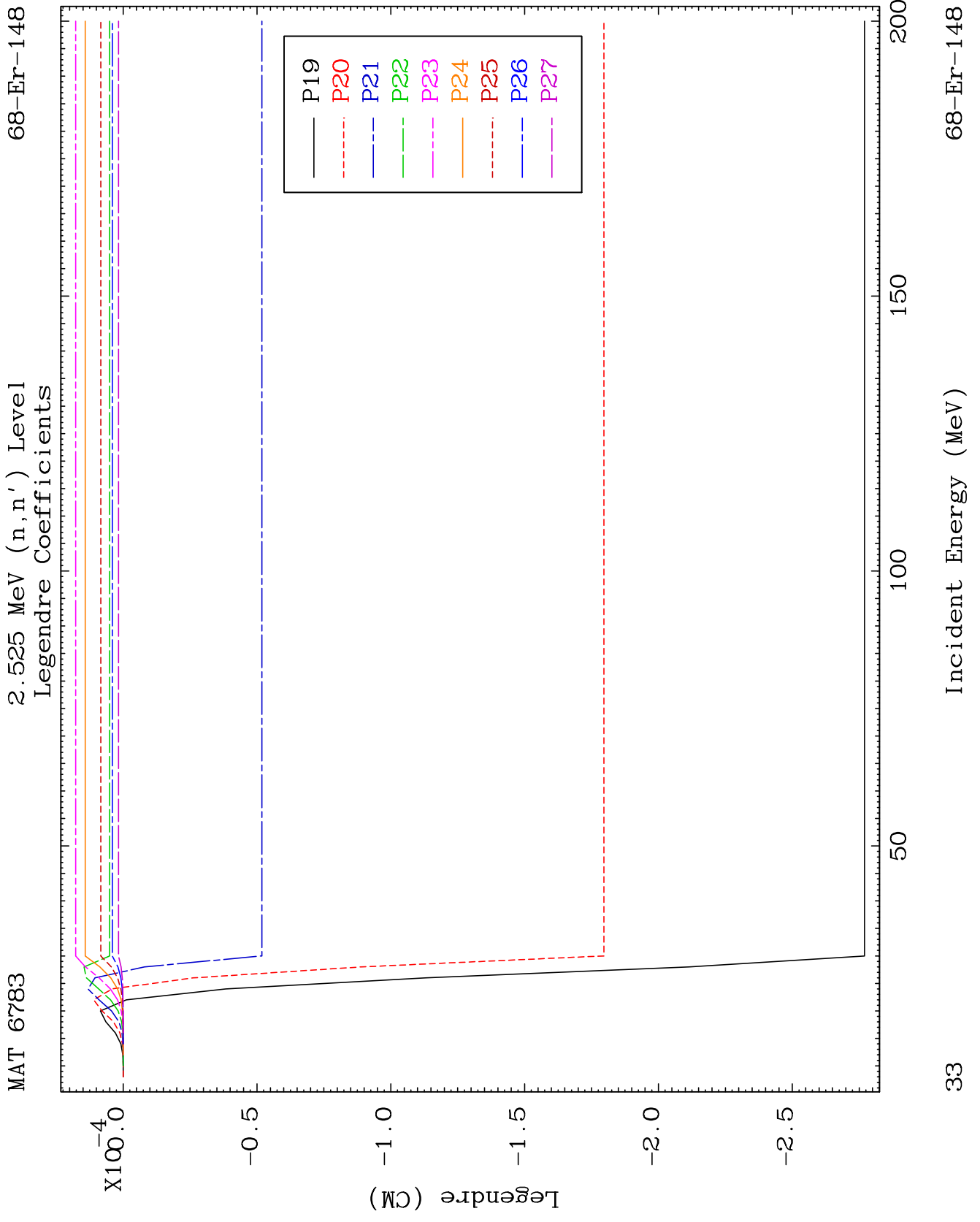
68-Er-148



32

Incident Energy (MeV)

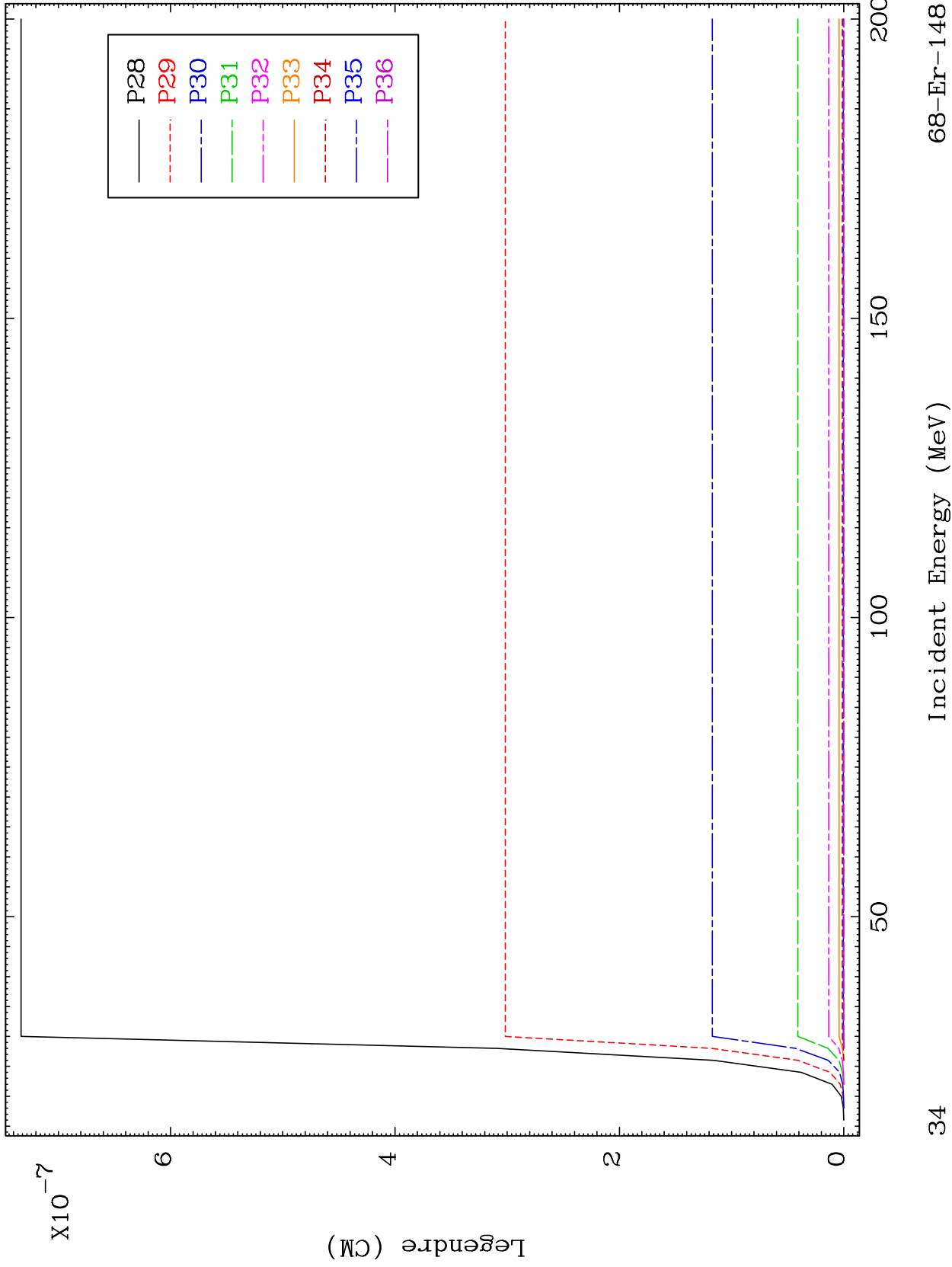
68-Er-148



MAT 6783

2.525 MeV (n, n') Level
Legendre Coefficients

68-Er-148



34

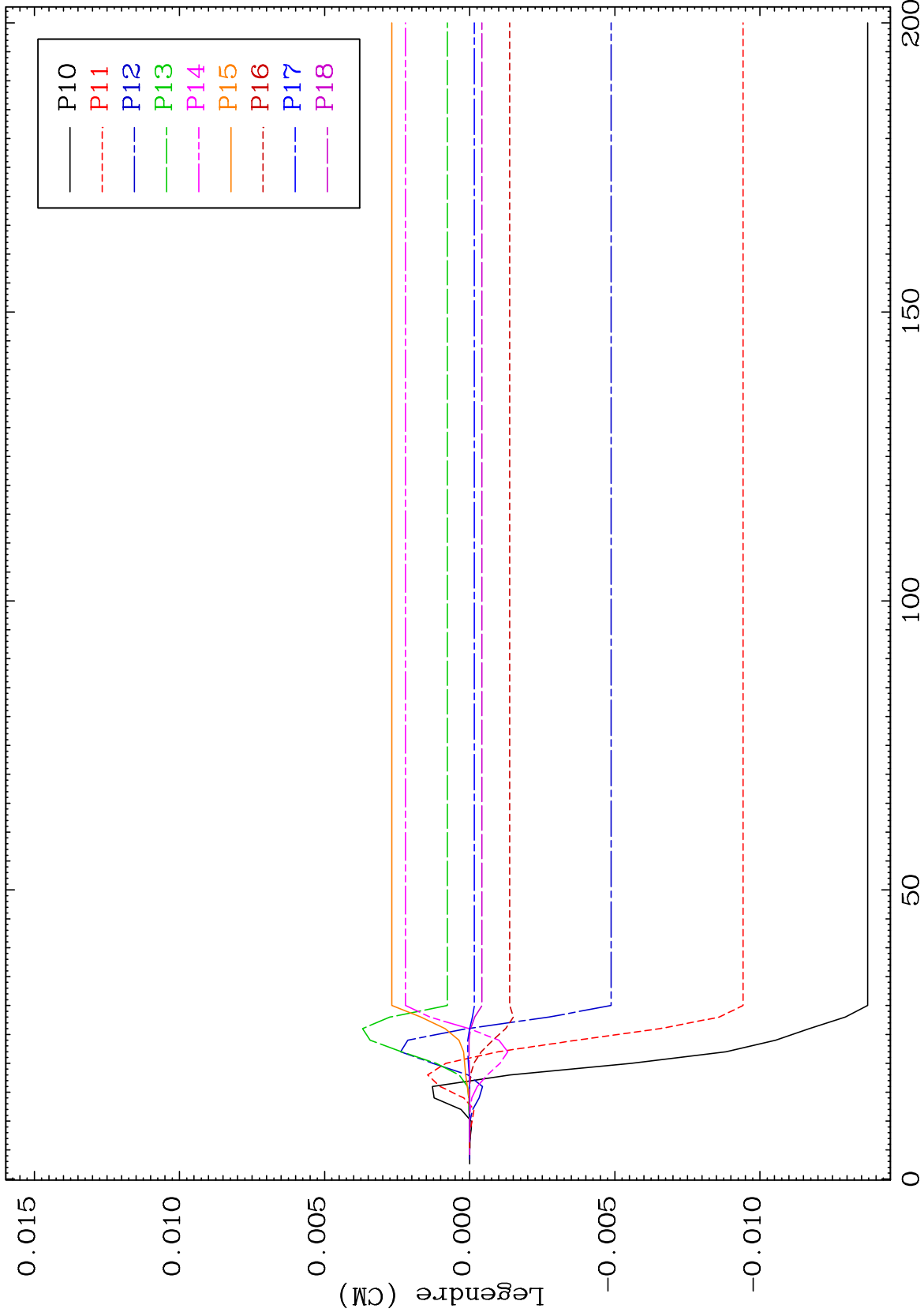
Incident Energy (MeV)

68-Er-148

MAT 6783

2.535 MeV (n,n') Level
Legendre Coefficients

68-Er-148



36

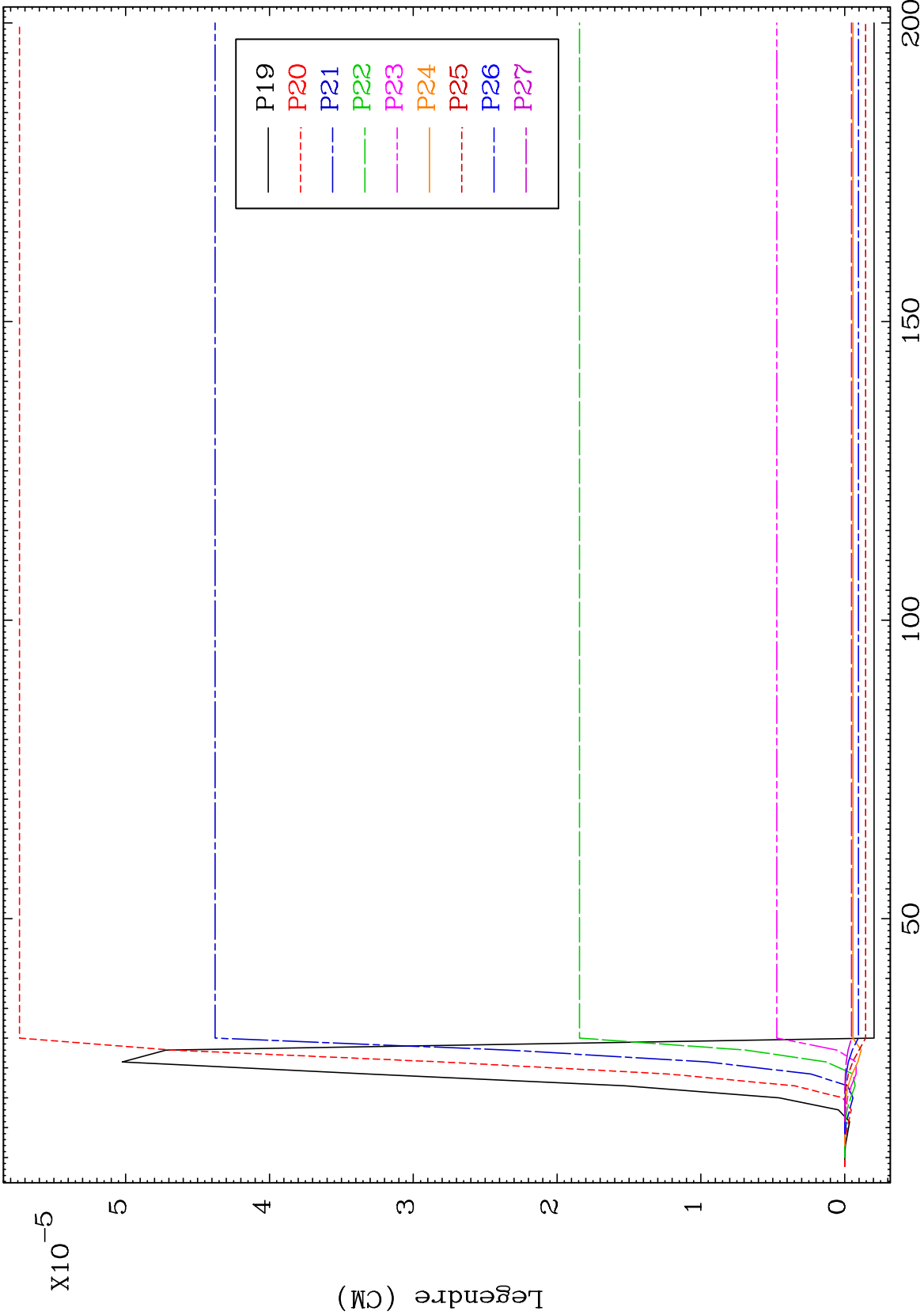
Incident Energy (MeV)

68-Er-148

MAT 6783

2.535 MeV (n,n') Level
Legendre Coefficients

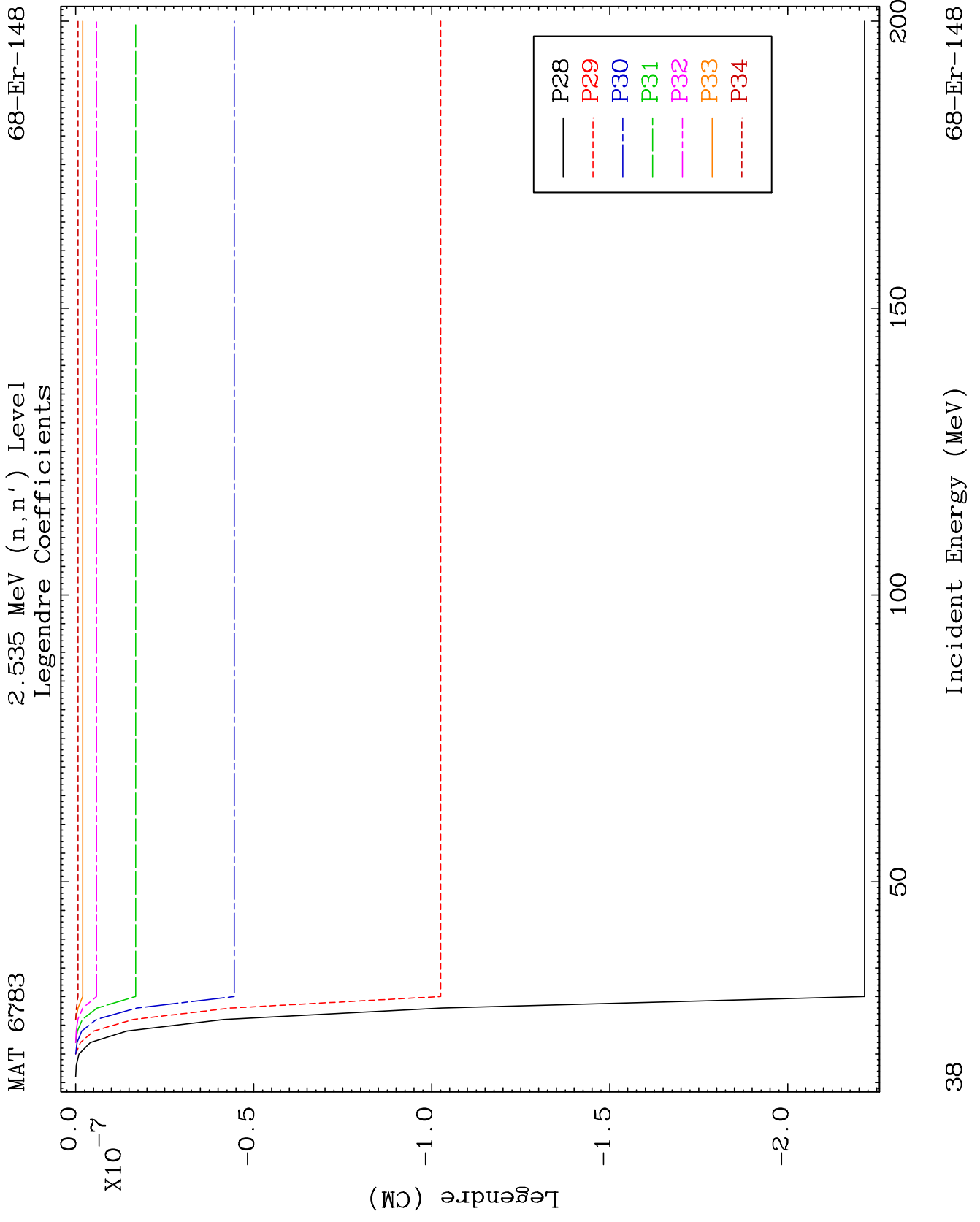
68-Er-148



37

Incident Energy (MeV)

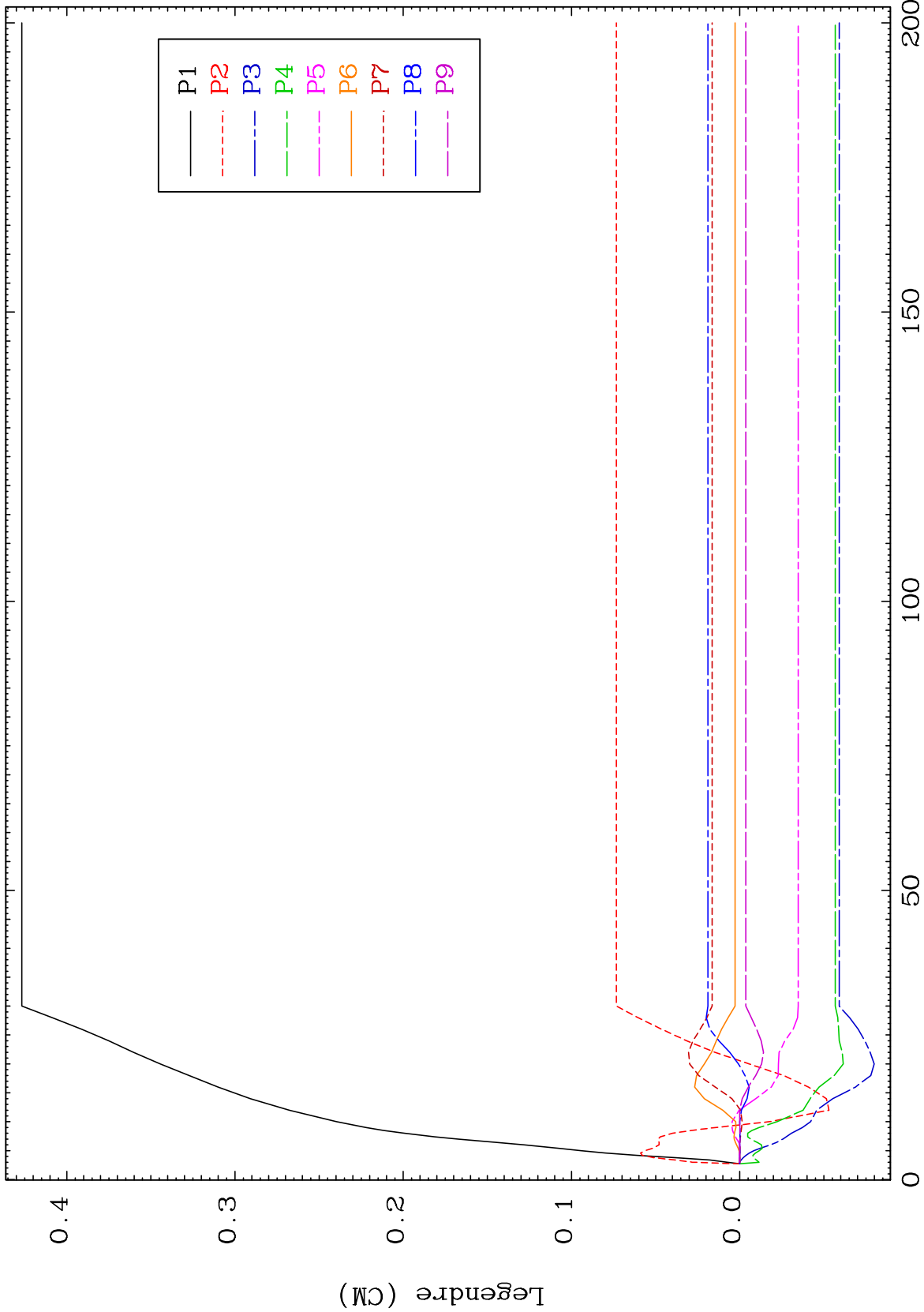
68-Er-148



MAT 6783

2.704 MeV (n, n') Level
Legendre Coefficients

68-Er-148



39

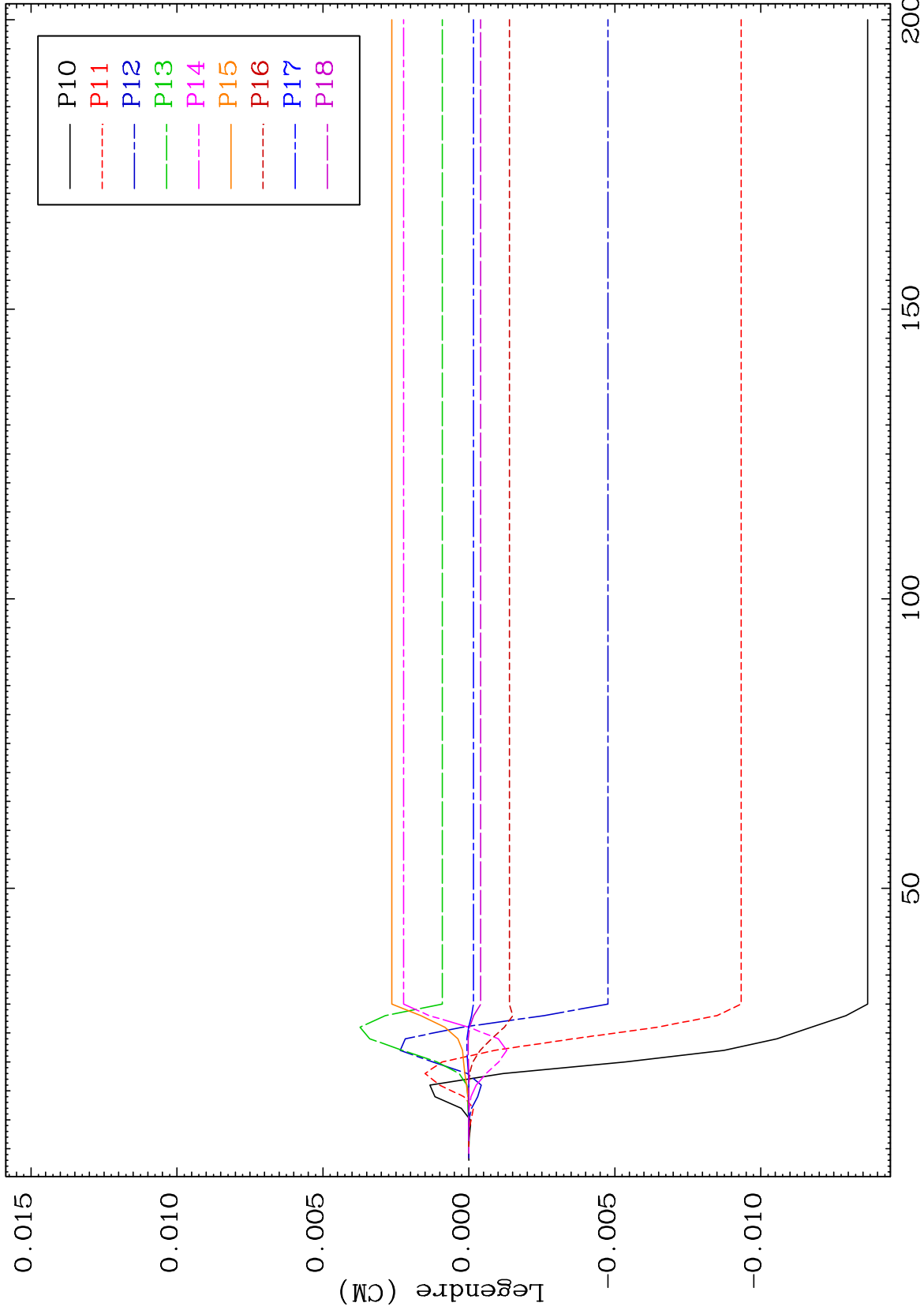
Incident Energy (MeV)

68-Er-148

MAT 6783

2.704 MeV (n,n') Level
Legendre Coefficients

68-Er-148



40

Incident Energy (MeV)

50

100

150

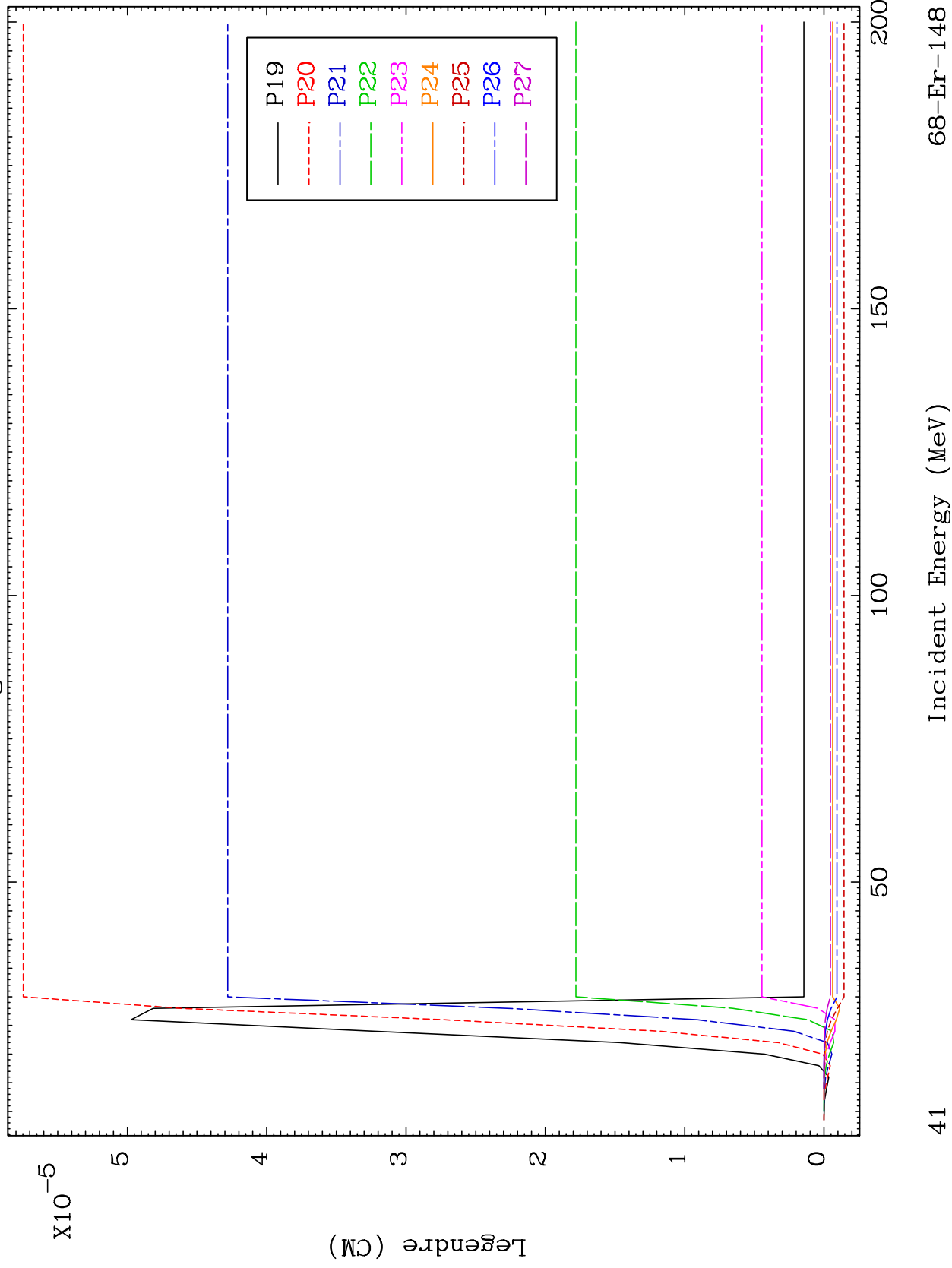
200

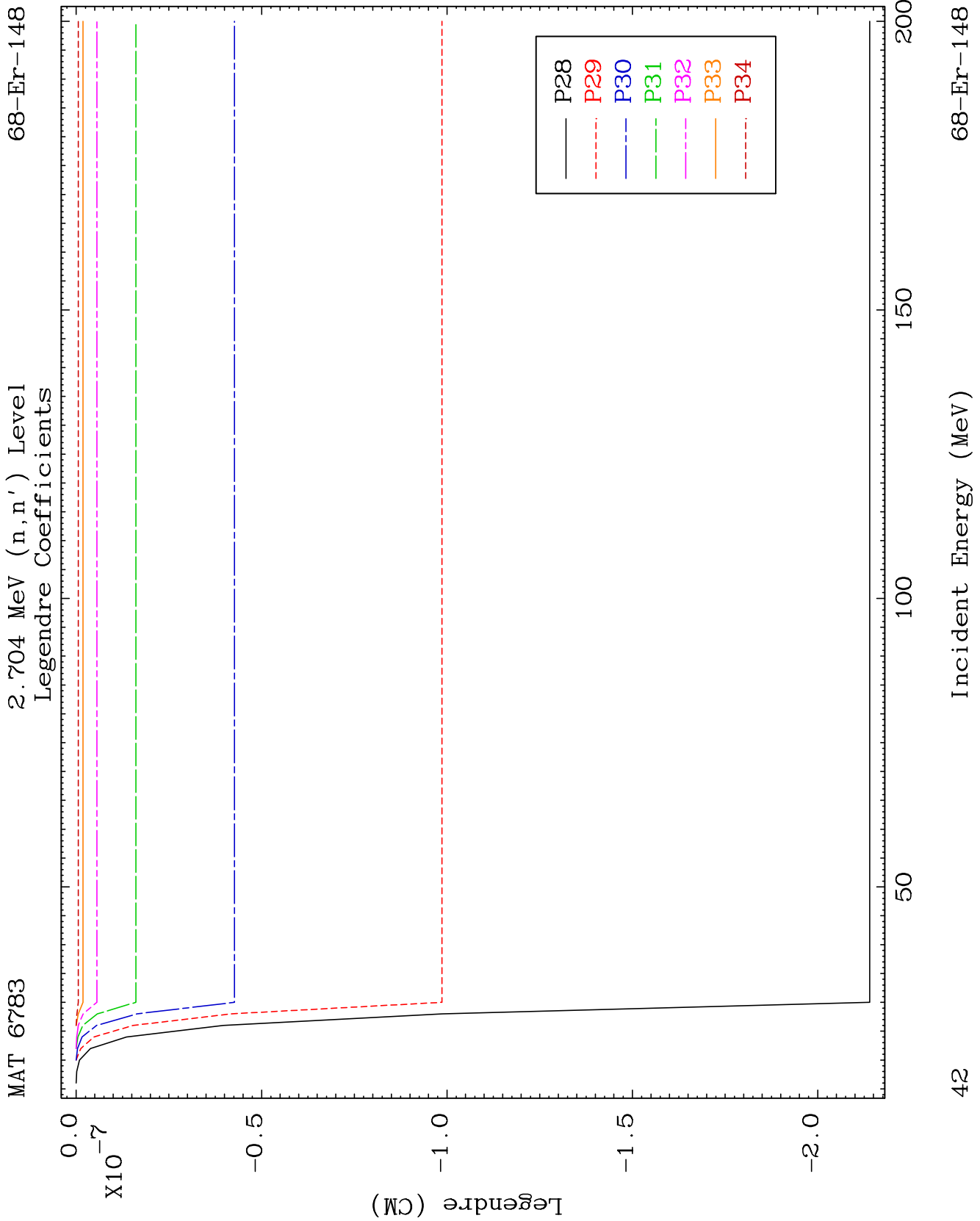
68-Er-148

MAT 6783

2.704 MeV (n, n') Level
Legendre Coefficients

68-Er-148

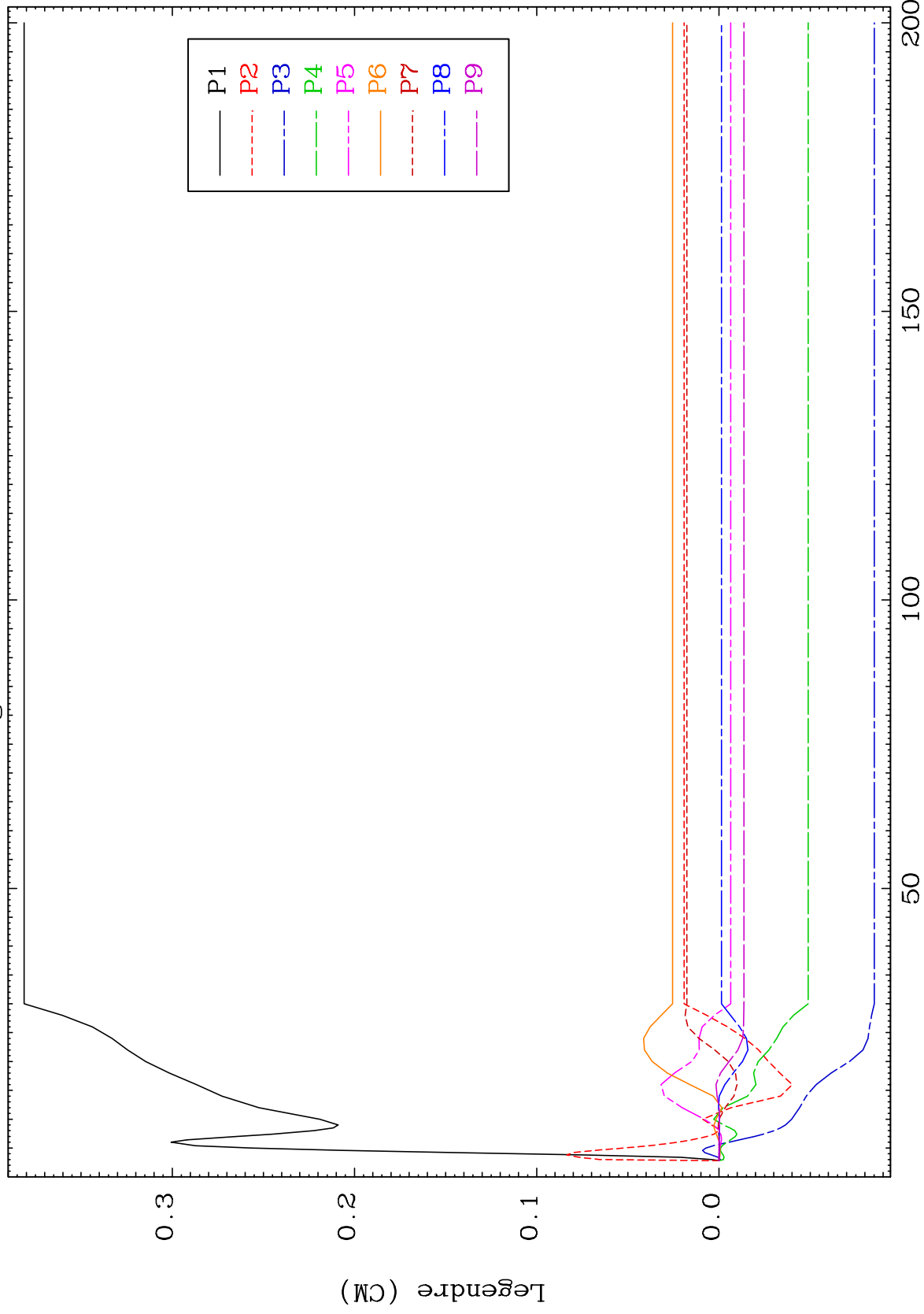




MAT 6783

2.782 MeV (n,n') Level
Legendre Coefficients

68-Er-148



43

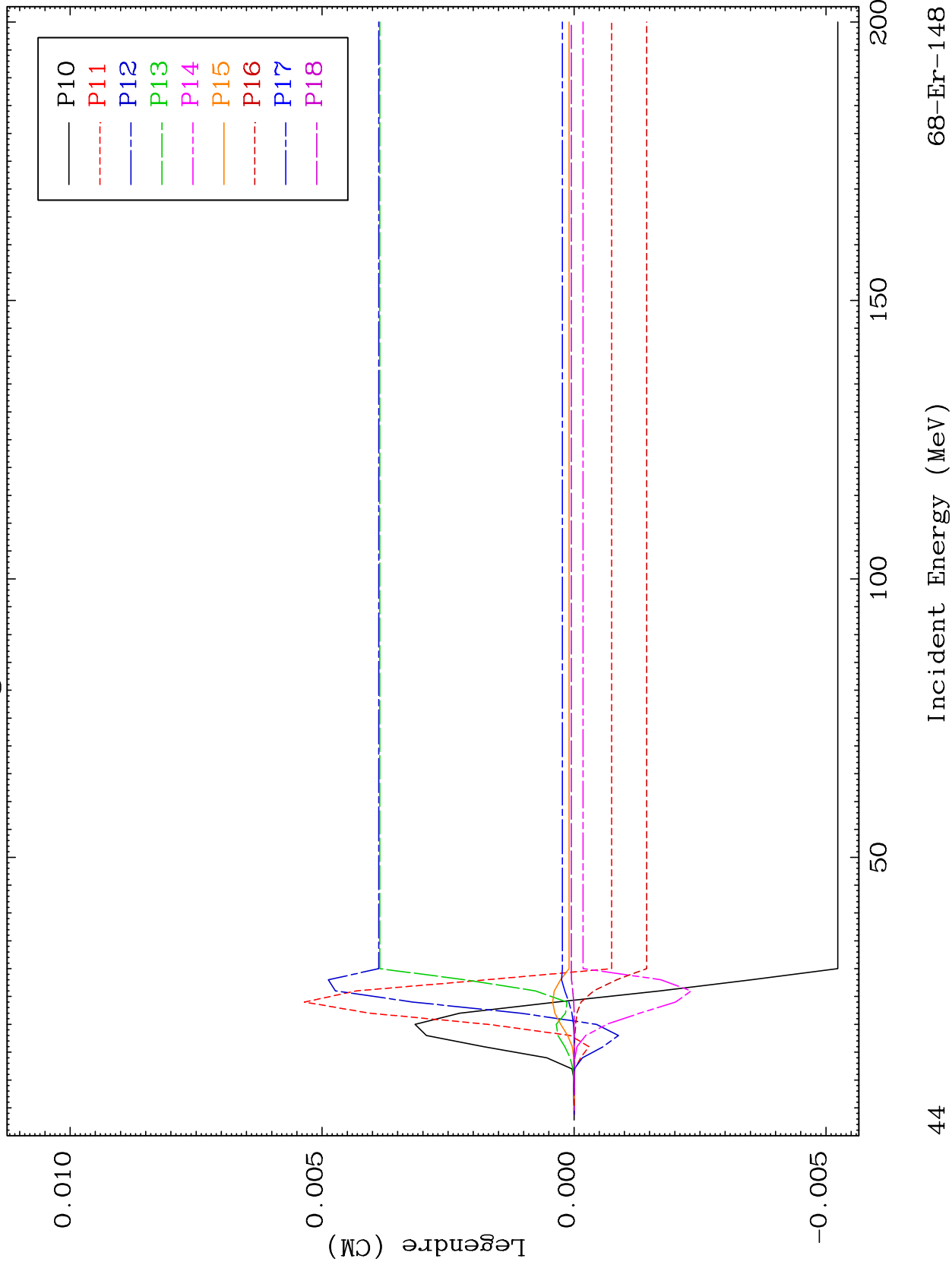
Incident Energy (MeV)

68-Er-148

MAT 6783

2.782 MeV (n,n') Level
Legendre Coefficients

68-Er-148



44

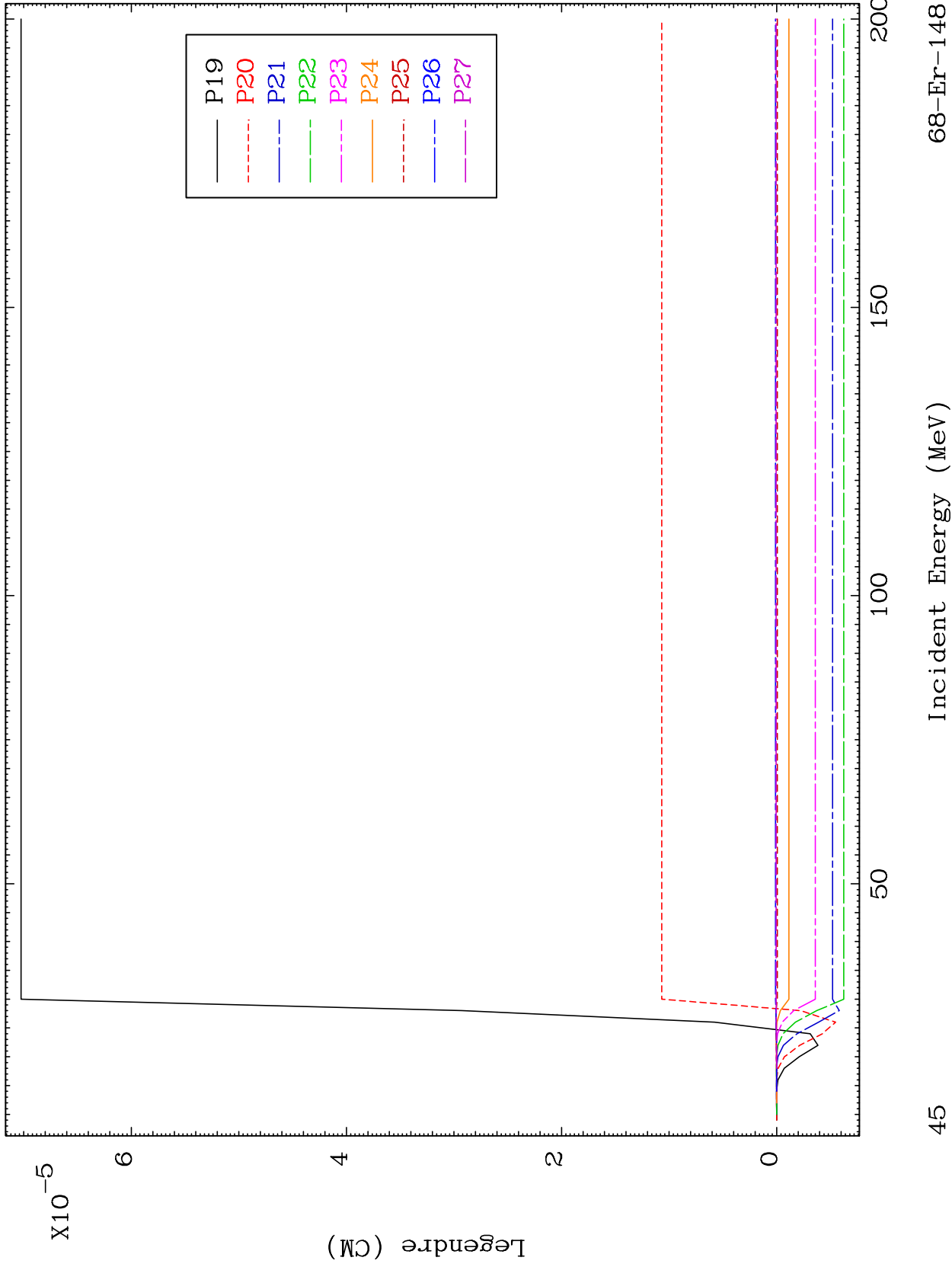
Incident Energy (MeV)

68-Er-148

MAT 6783

2.782 MeV (n,n') Level
Legendre Coefficients

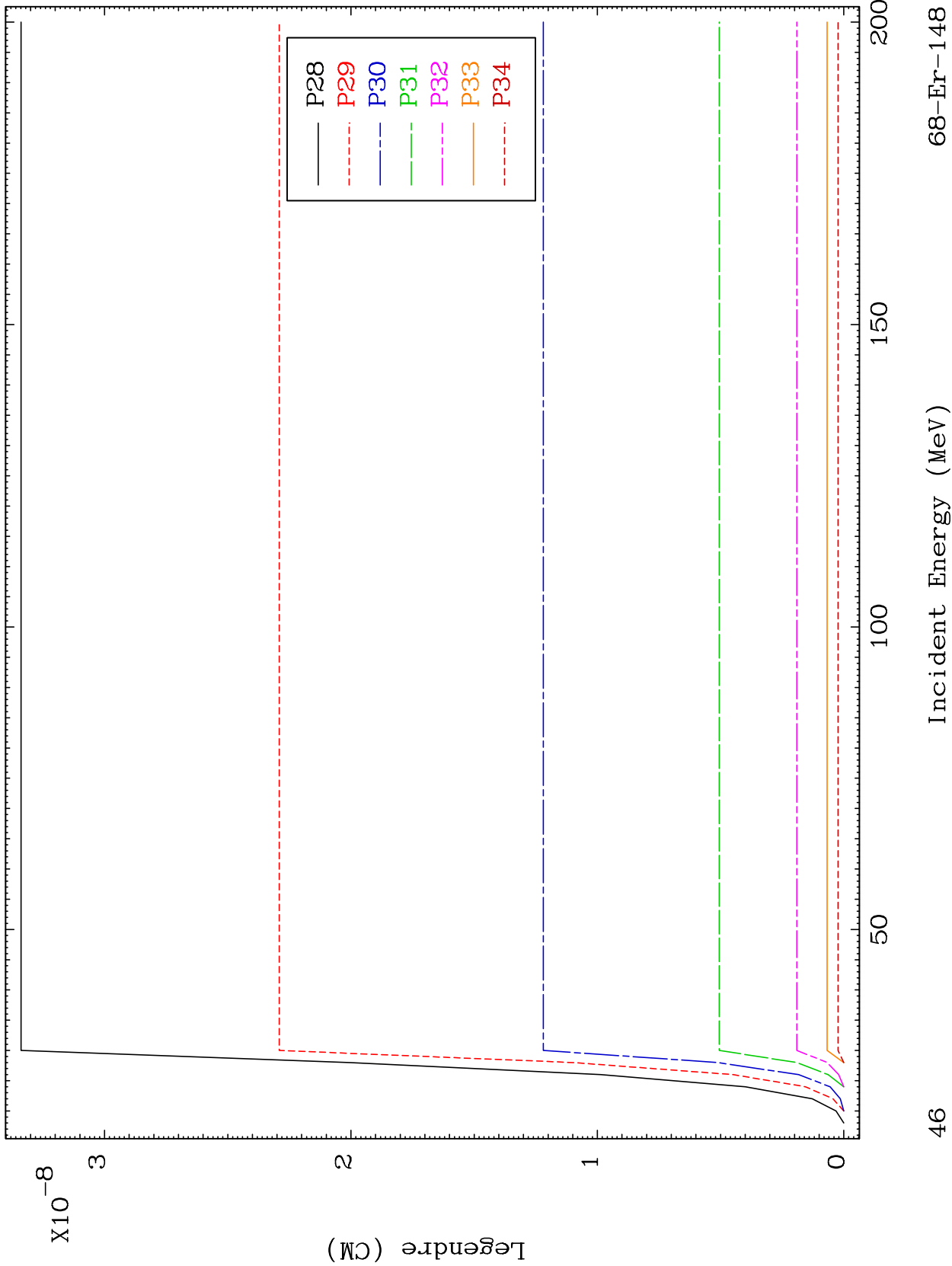
68-Er-148



MAT 6783

2.782 MeV (n,n') Level
Legendre Coefficients

68-Er-148



46

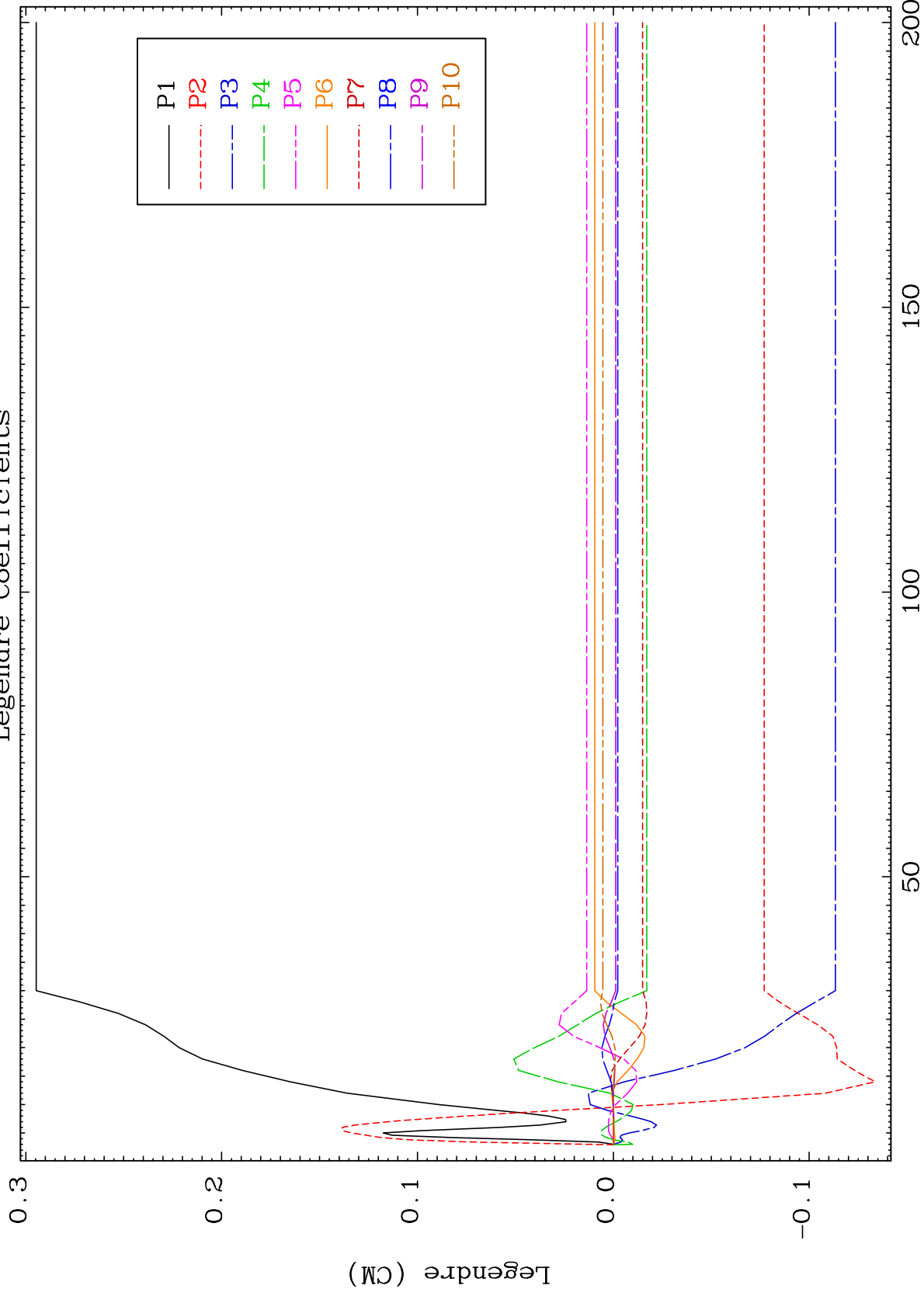
Incident Energy (MeV)

68-Er-148

MAT 6783

2.913 MeV (n,n') Level
Legendre Coefficients

68-Er-148



47

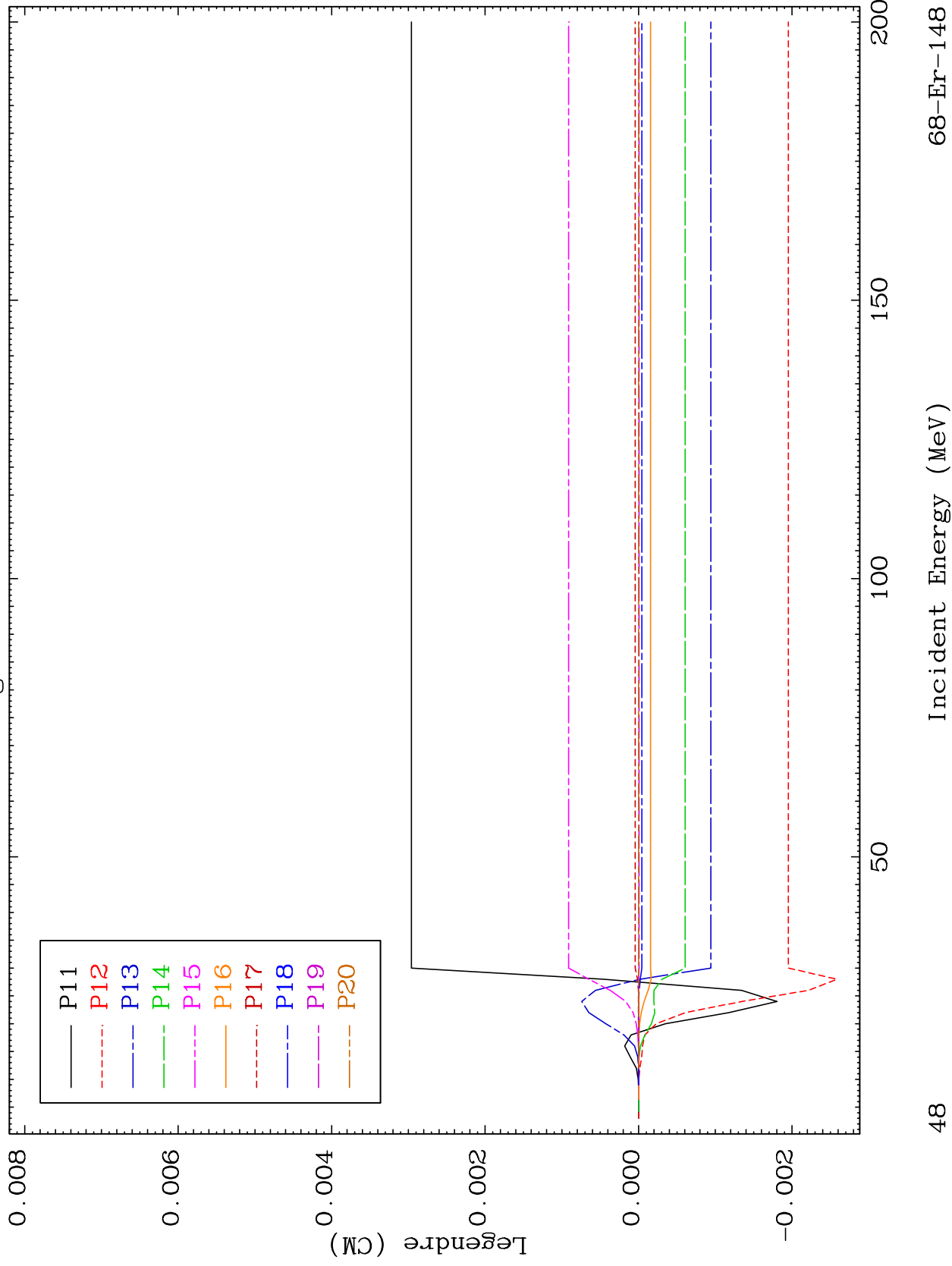
Incident Energy (MeV)

68-Er-148

MAT 6783

2.913 MeV (n,n') Level
Legendre Coefficients

68-Er-148



48

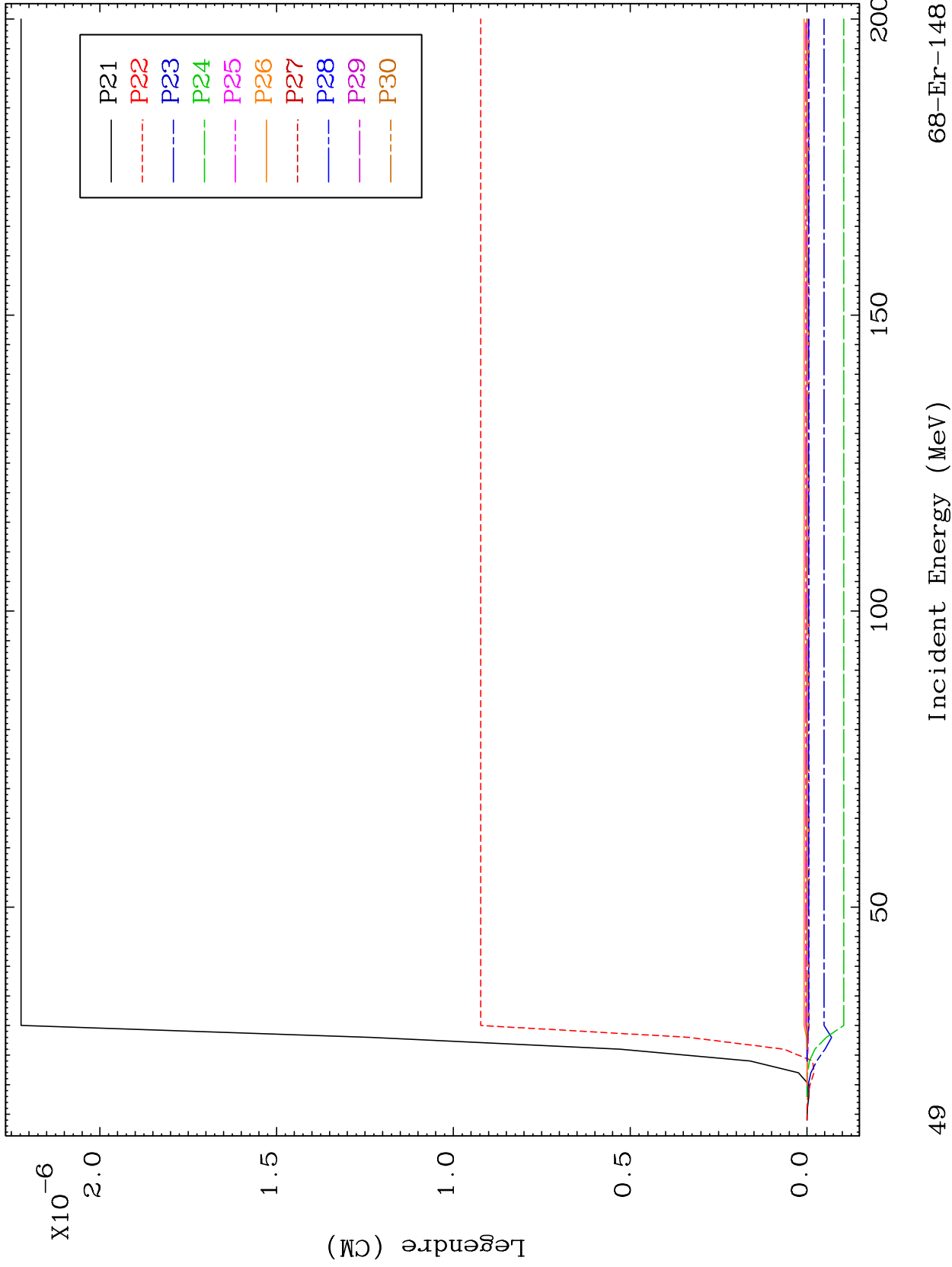
Incident Energy (MeV)

68-Er-148

MAT 6783

2.913 MeV (n,n') Level
Legendre Coefficients

68-Er-148



49

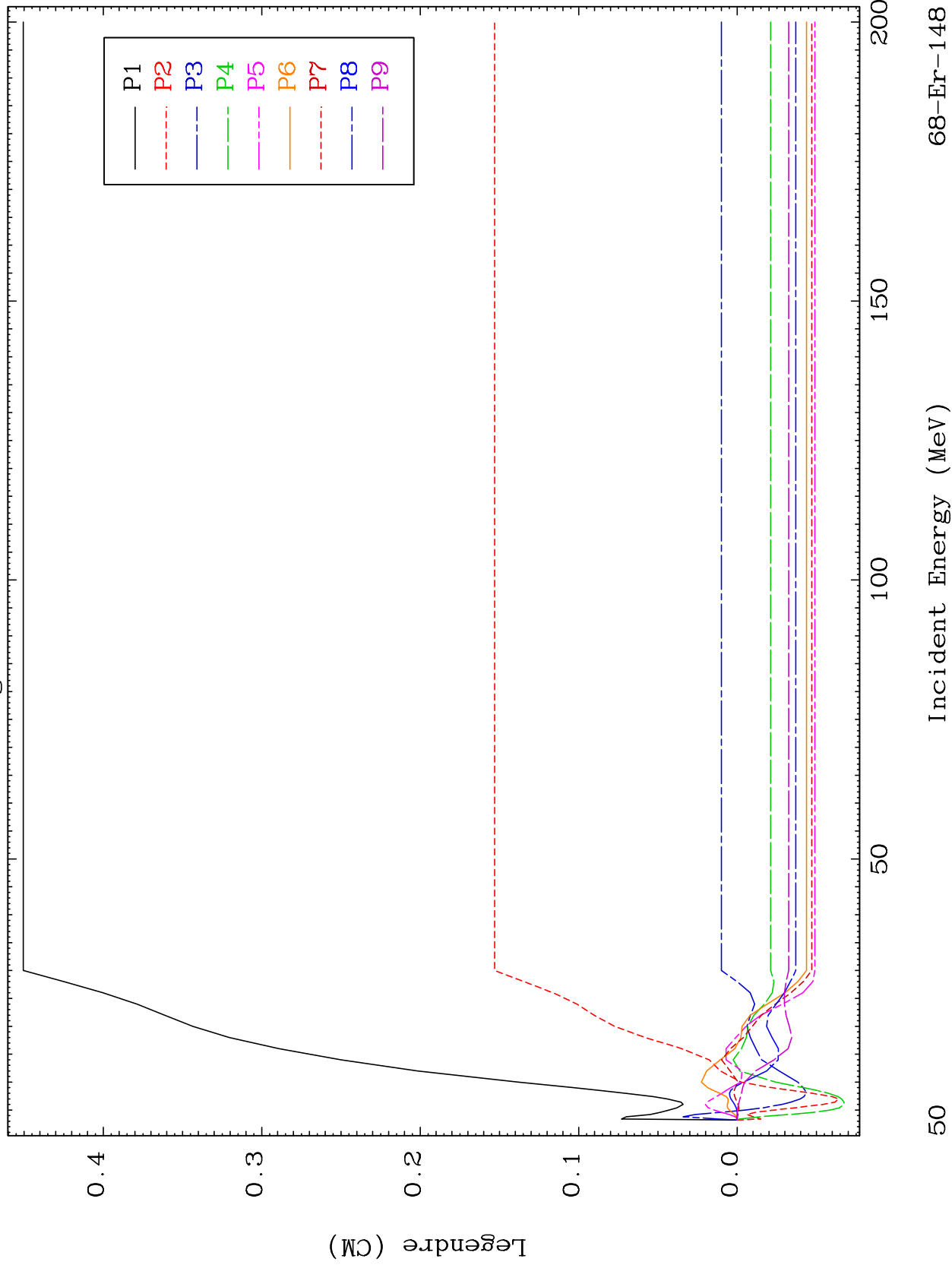
Incident Energy (MeV)

68-Er-148

MAT 6783

3.171 MeV (n,n') Level
Legendre Coefficients

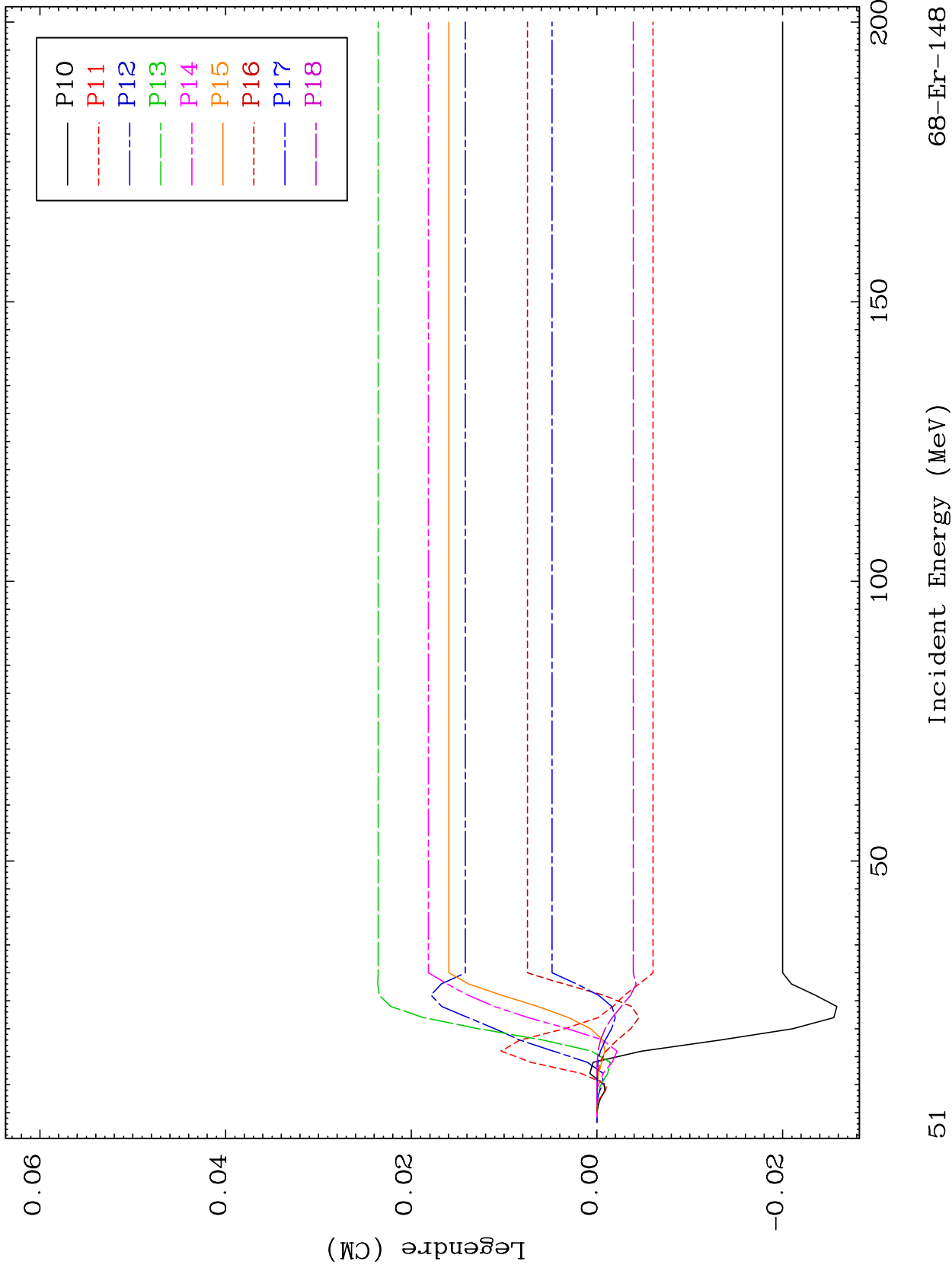
68-Er-148



68-Er-148

Incident Energy (MeV)

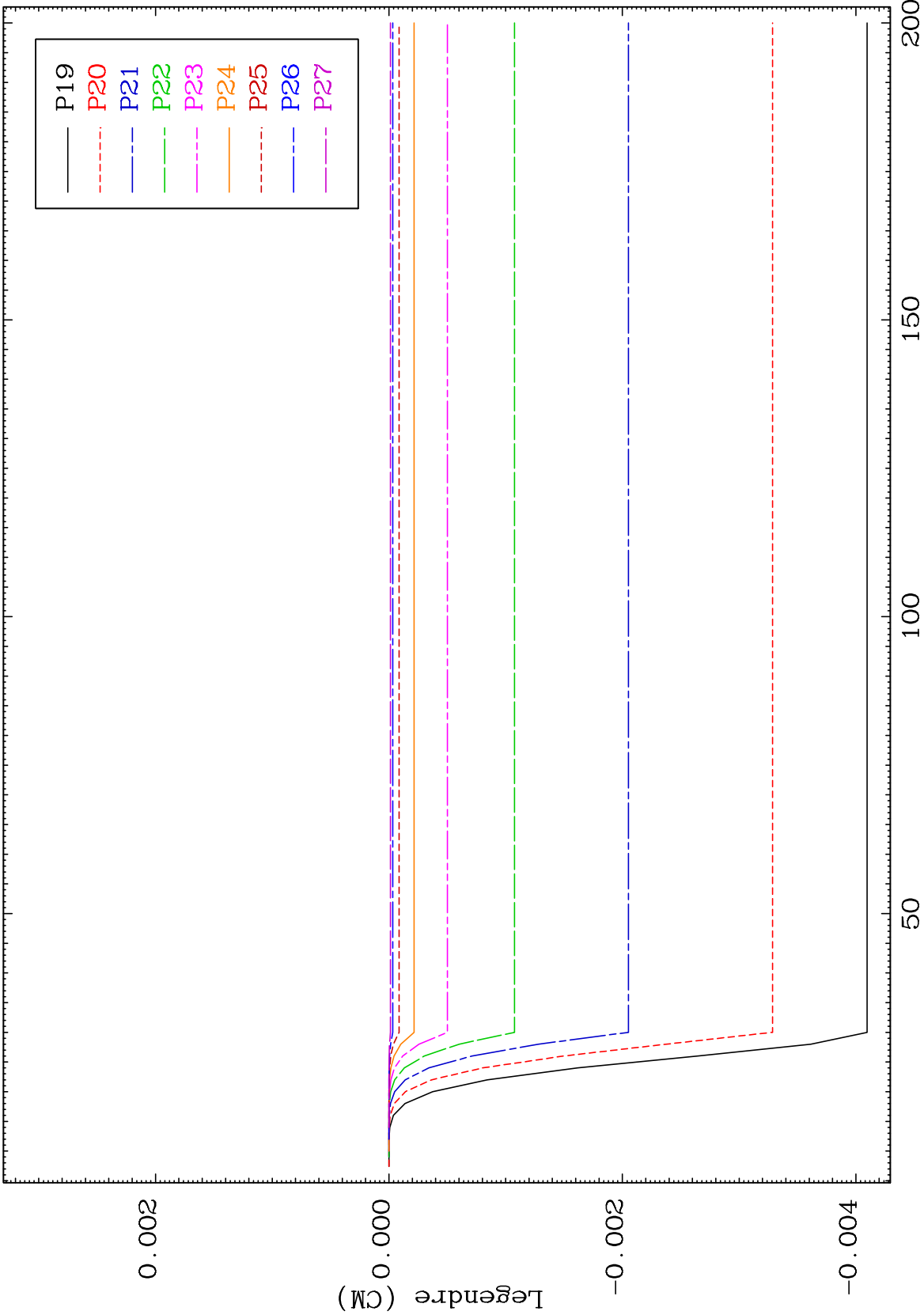
50



MAT 6783

3.171 MeV (n,n') Level
Legendre Coefficients

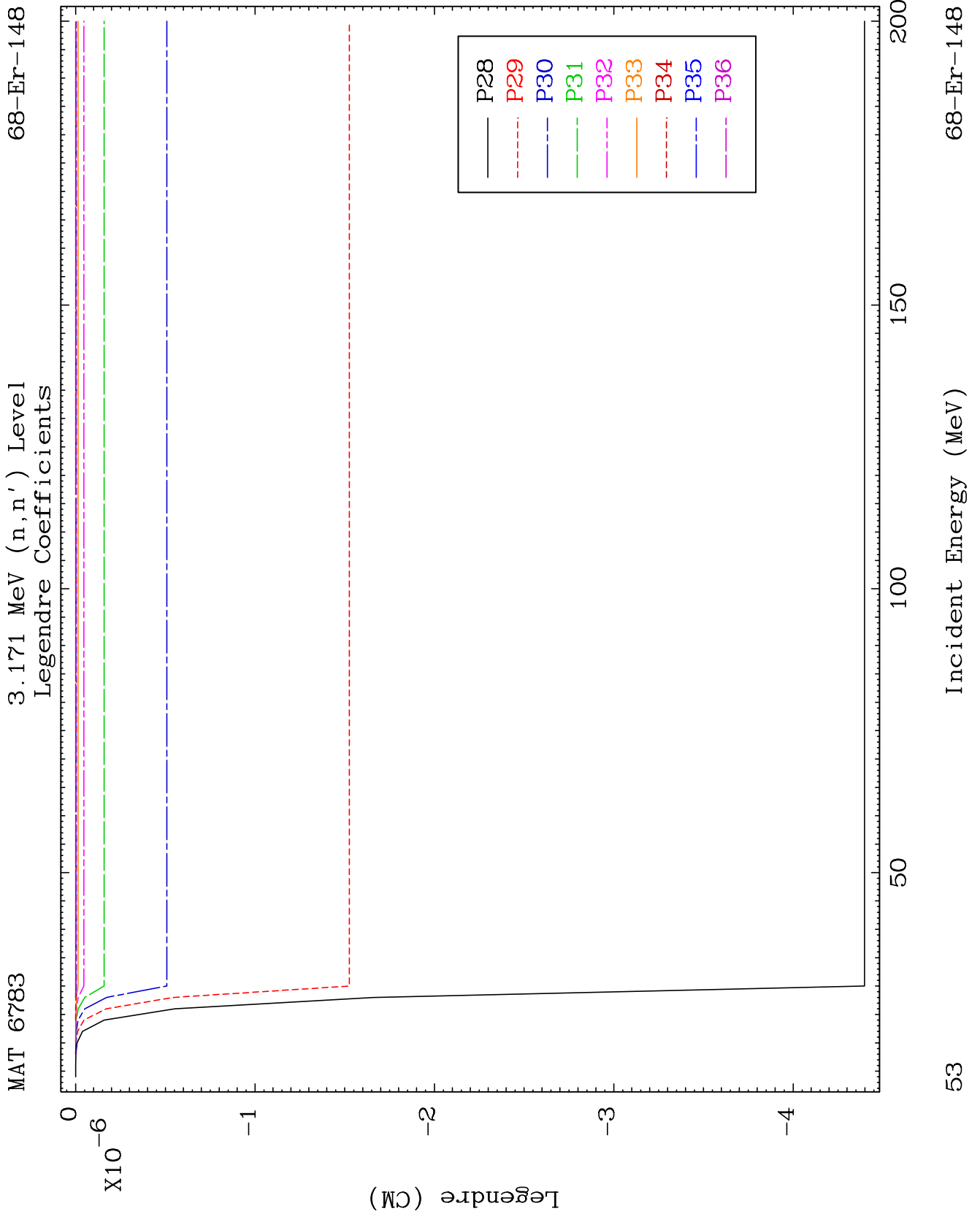
68-Er-148



52

Incident Energy (MeV)

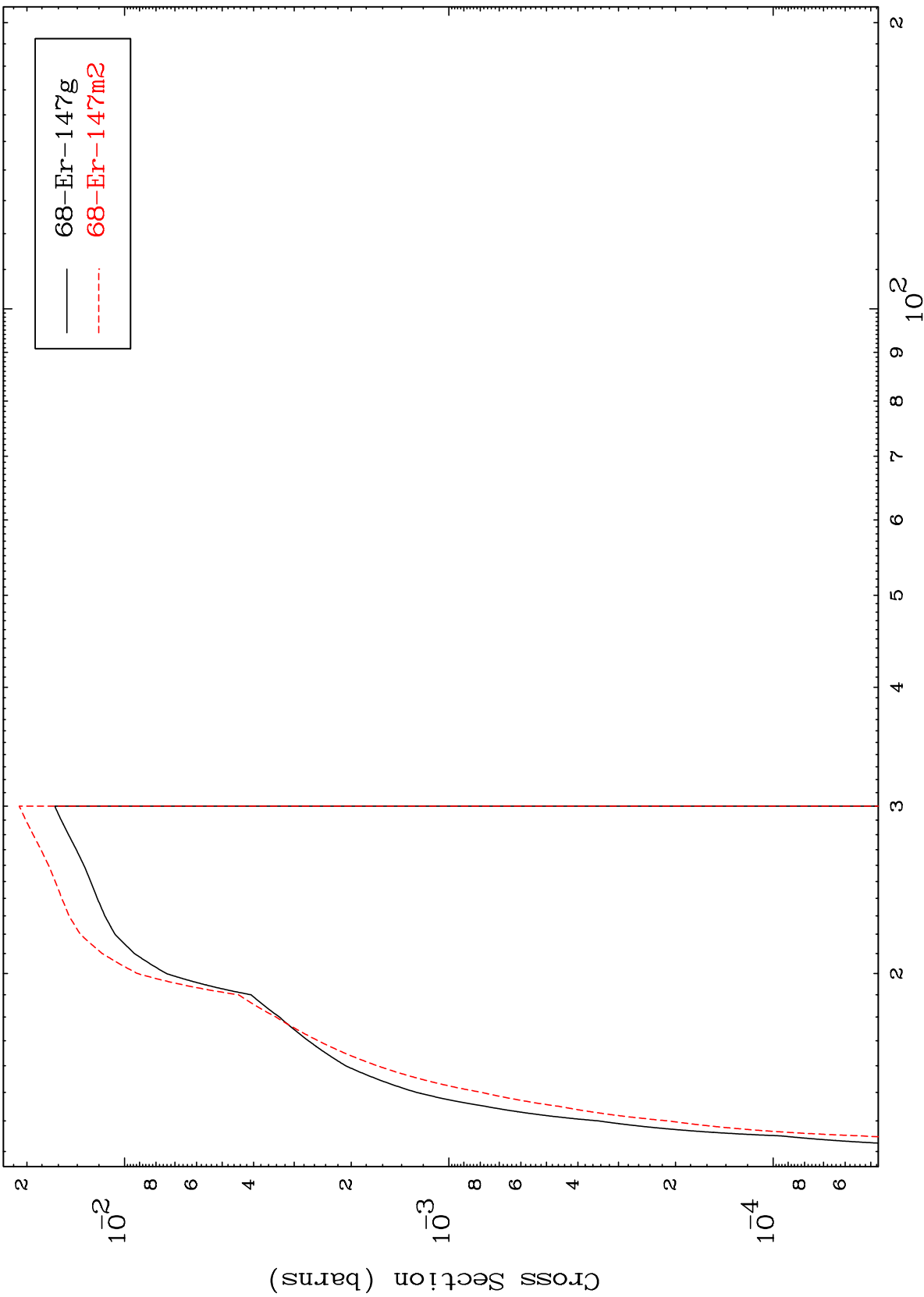
68-Er-148



MAT 6783

68-Er-148

(n,2n)
Radionuclide Production Cross Section



68-Er-147g
68-Er-147m2

68-Er-148

Incident Energy (MeV)

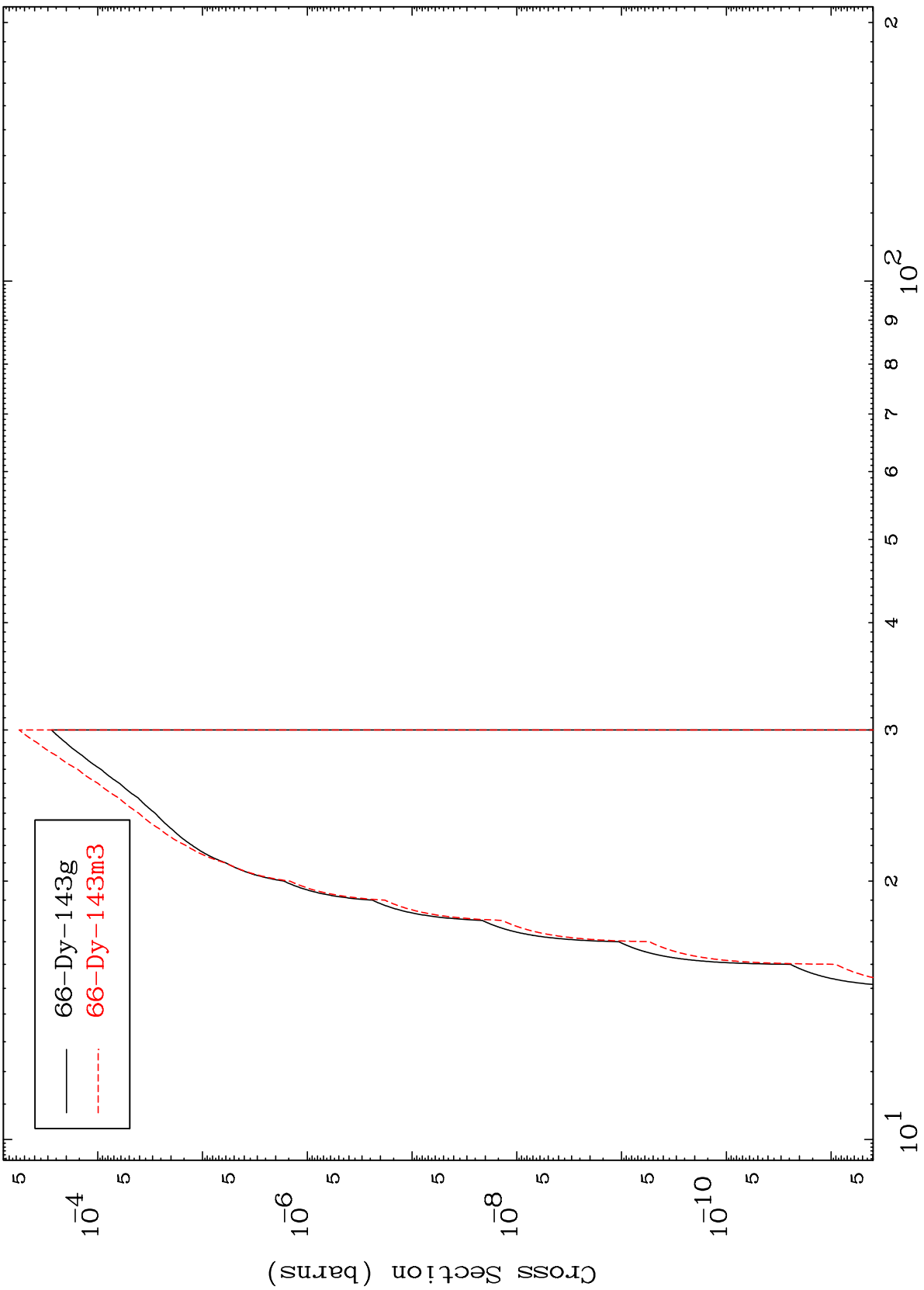
54

MAT 6783

(n,2n) α

68-Er-148

Radionuclide Production Cross Section



55

Incident Energy (MeV)

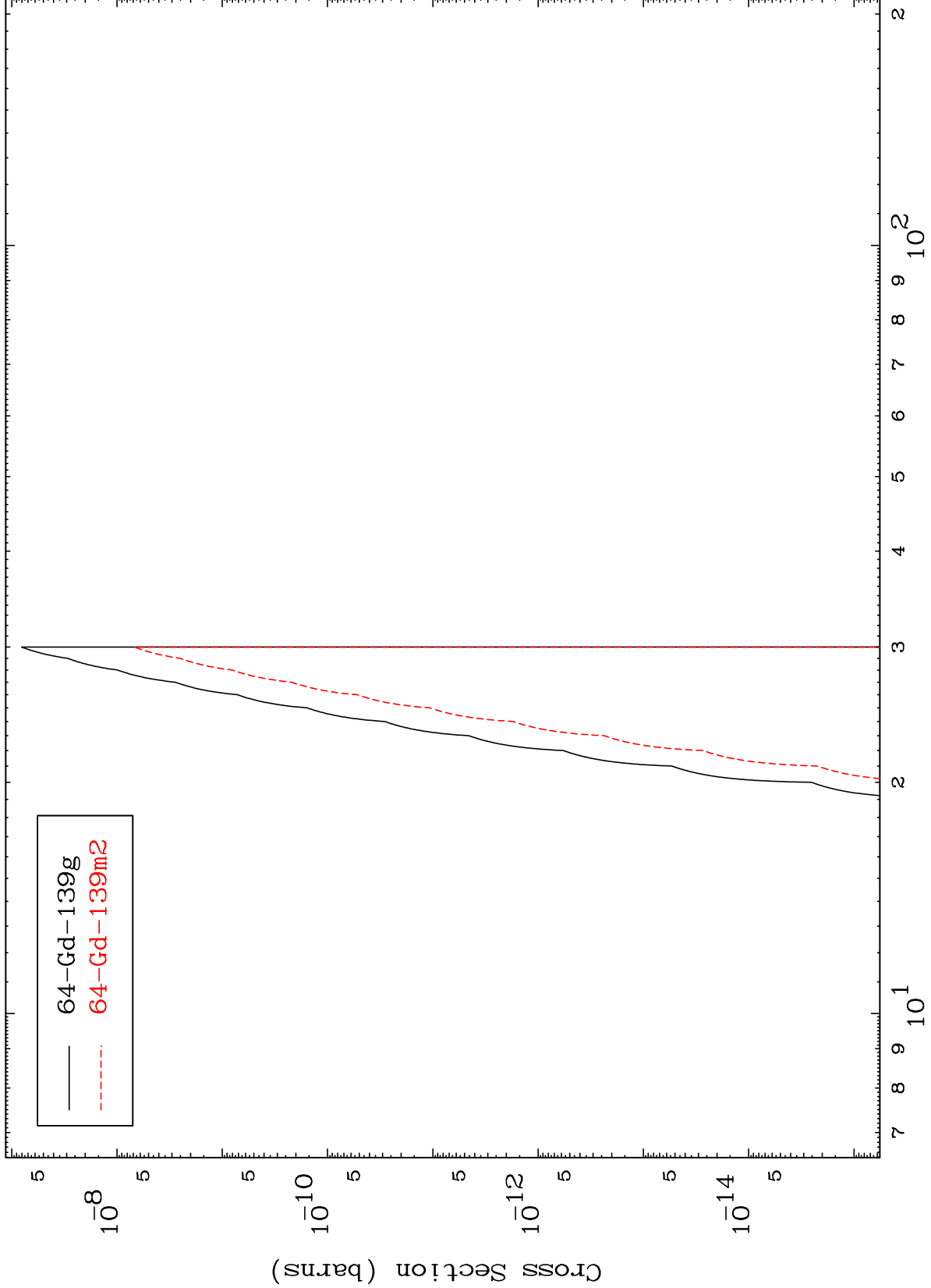
68-Er-148

MAT 6783

$^{68}\text{Er-148}$

$^{68}\text{Er-148}$

Radionuclide Production Cross Section



56

Incident Energy (MeV)

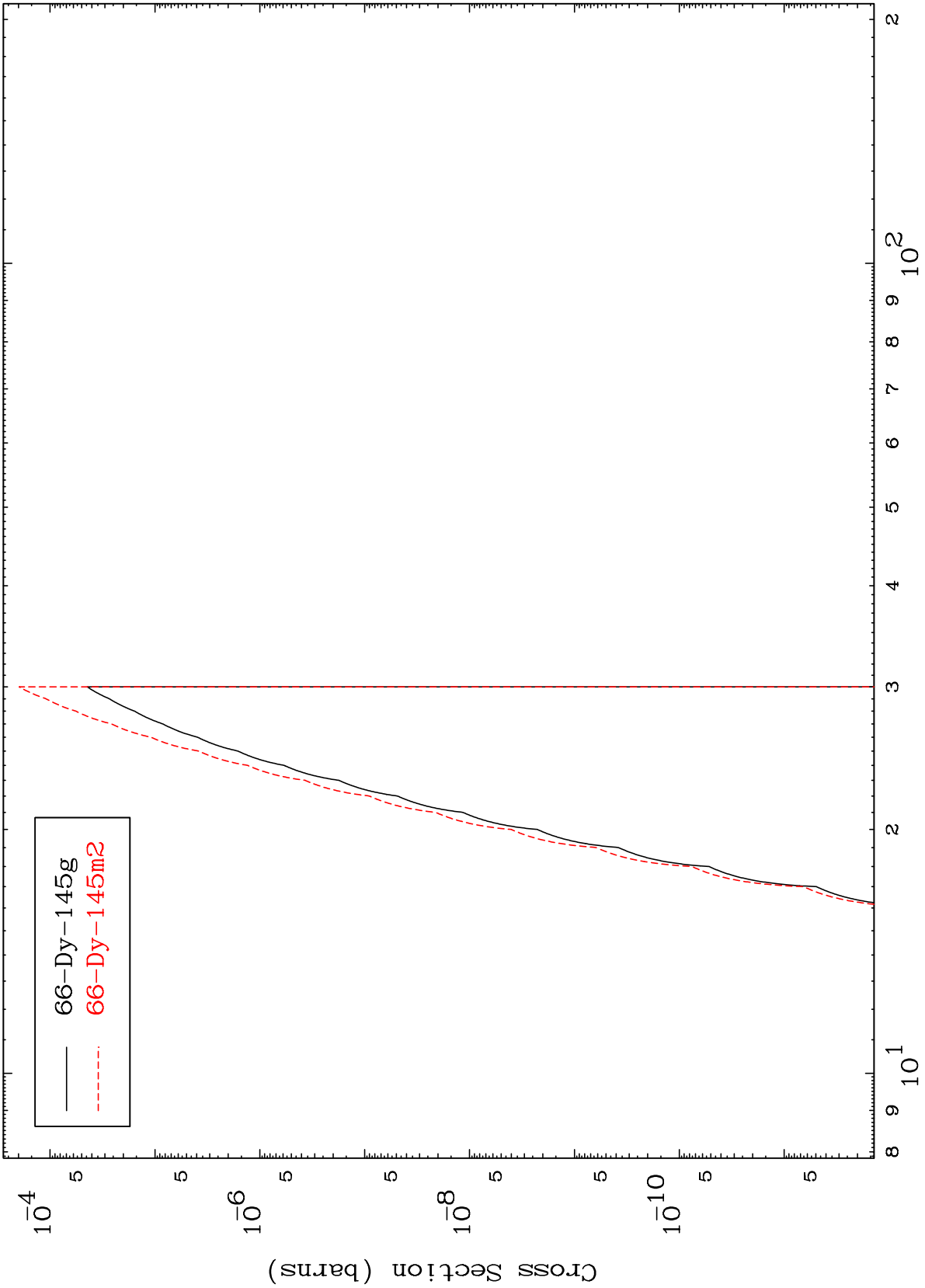
$^{68}\text{Er-148}$

MAT 6783

(n,n') He-3

68-Er-148

Radionuclide Production Cross Section



66-Dy-145g
66-Dy-145m2

57

Incident Energy (MeV)

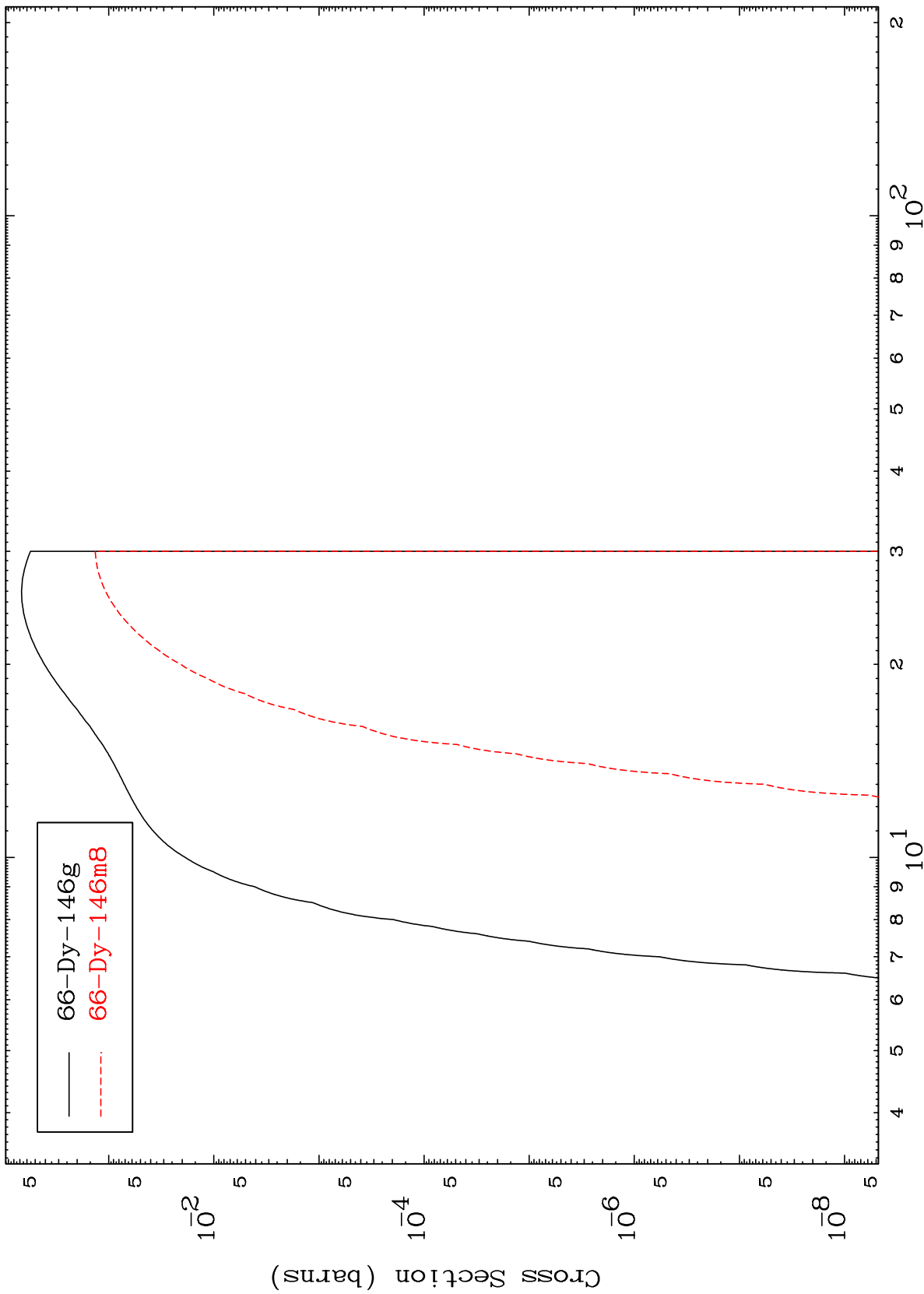
68-Er-148

MAT 6783

(n,2n) p

68-Er-148

Radionuclide Production Cross Section



66-Dy-146g
66-Dy-146m8

58

Incident Energy (MeV)

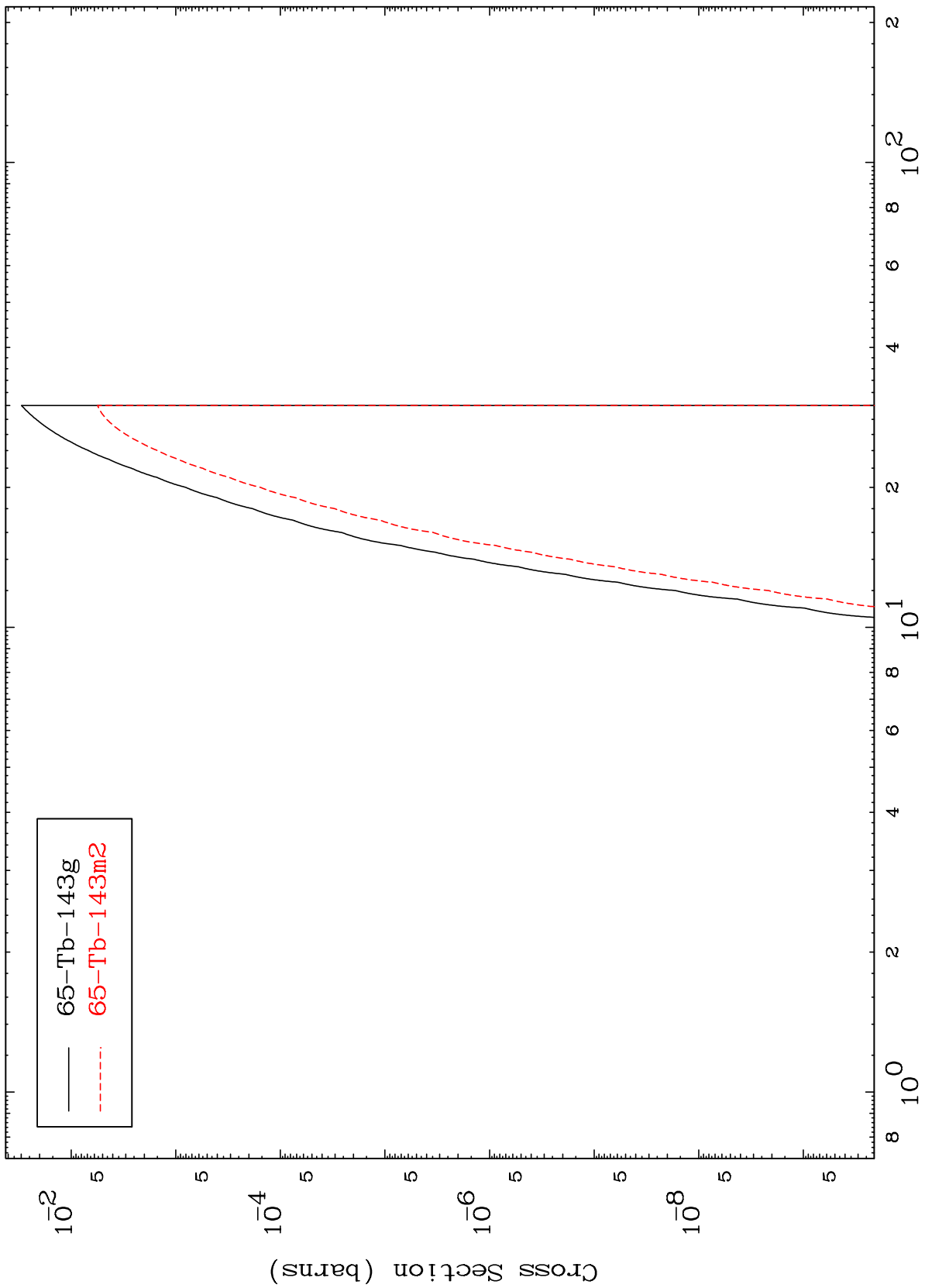
68-Er-148

MAT 6783

(n,n') p α

68-Er-148

Radionuclide Production Cross Section



59

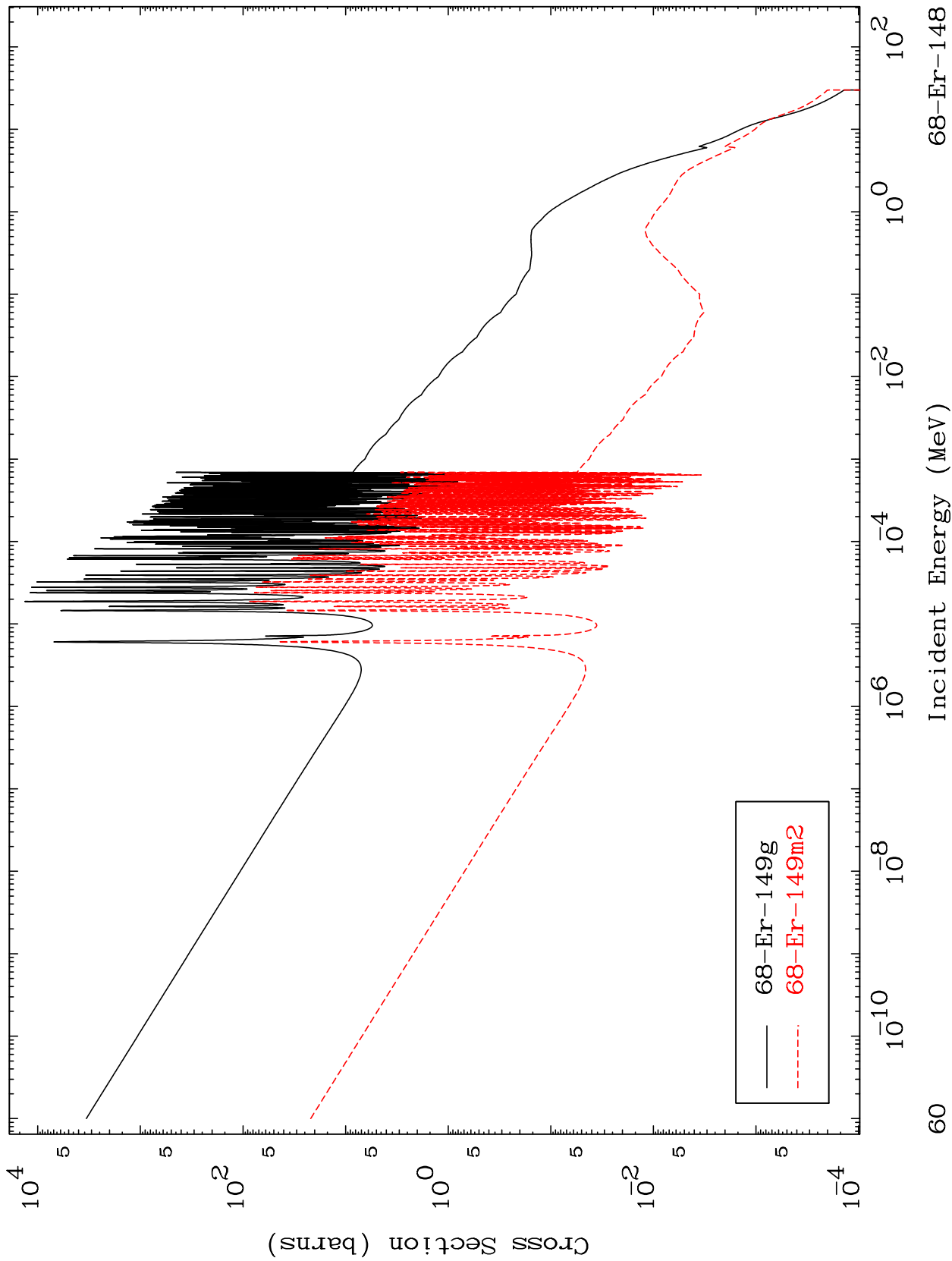
Incident Energy (MeV)

68-Er-148

MAT 6783

68-Er-148

(n,γ)
Radionuclide Production Cross Section



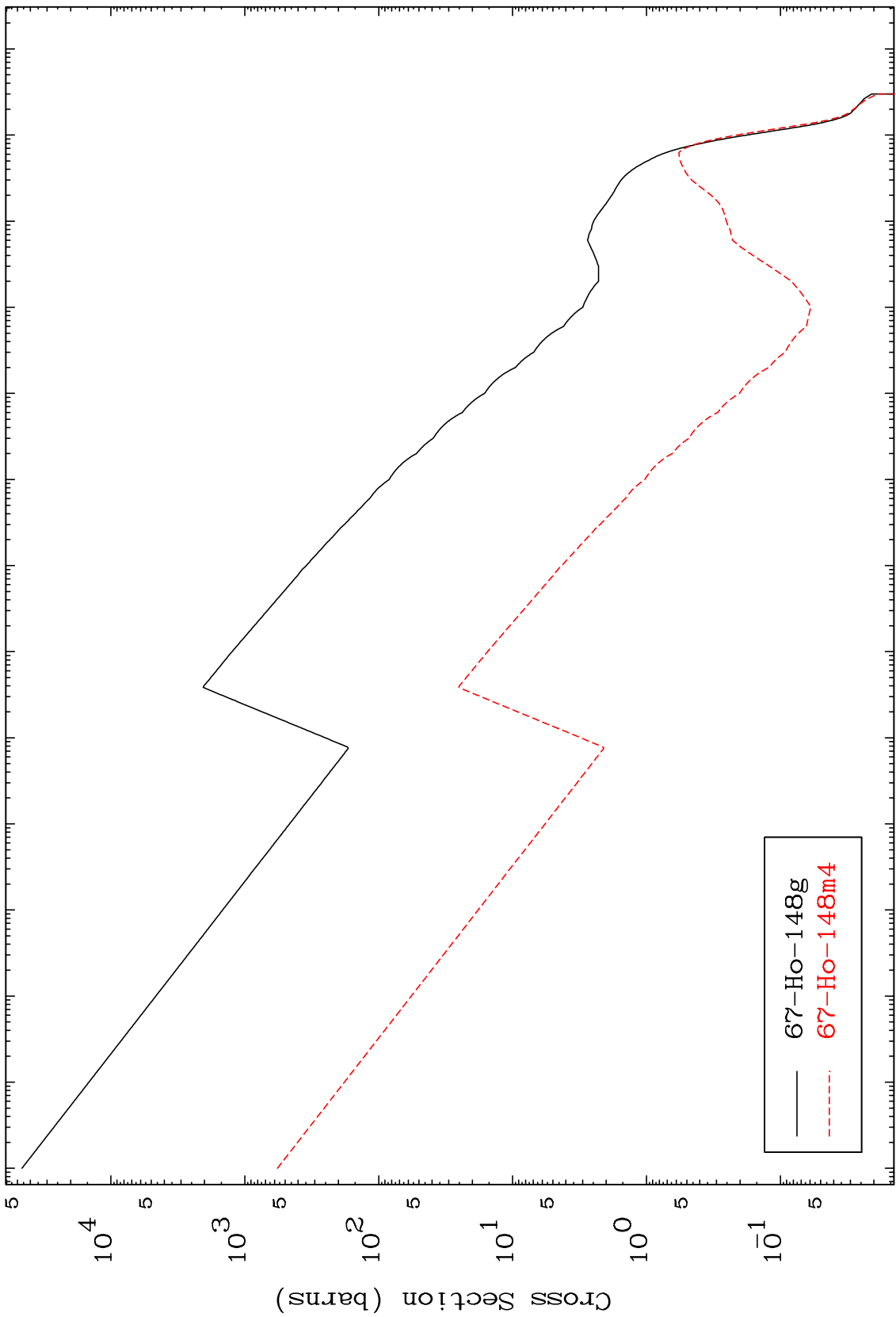
60

MAT 6783

68-Er-148

Radionuclide Production Cross Section

(n,p)



68-Er-148

Incident Energy (MeV)

68-Er-148

— 67-Ho-148g
- - - 67-Ho-148m4

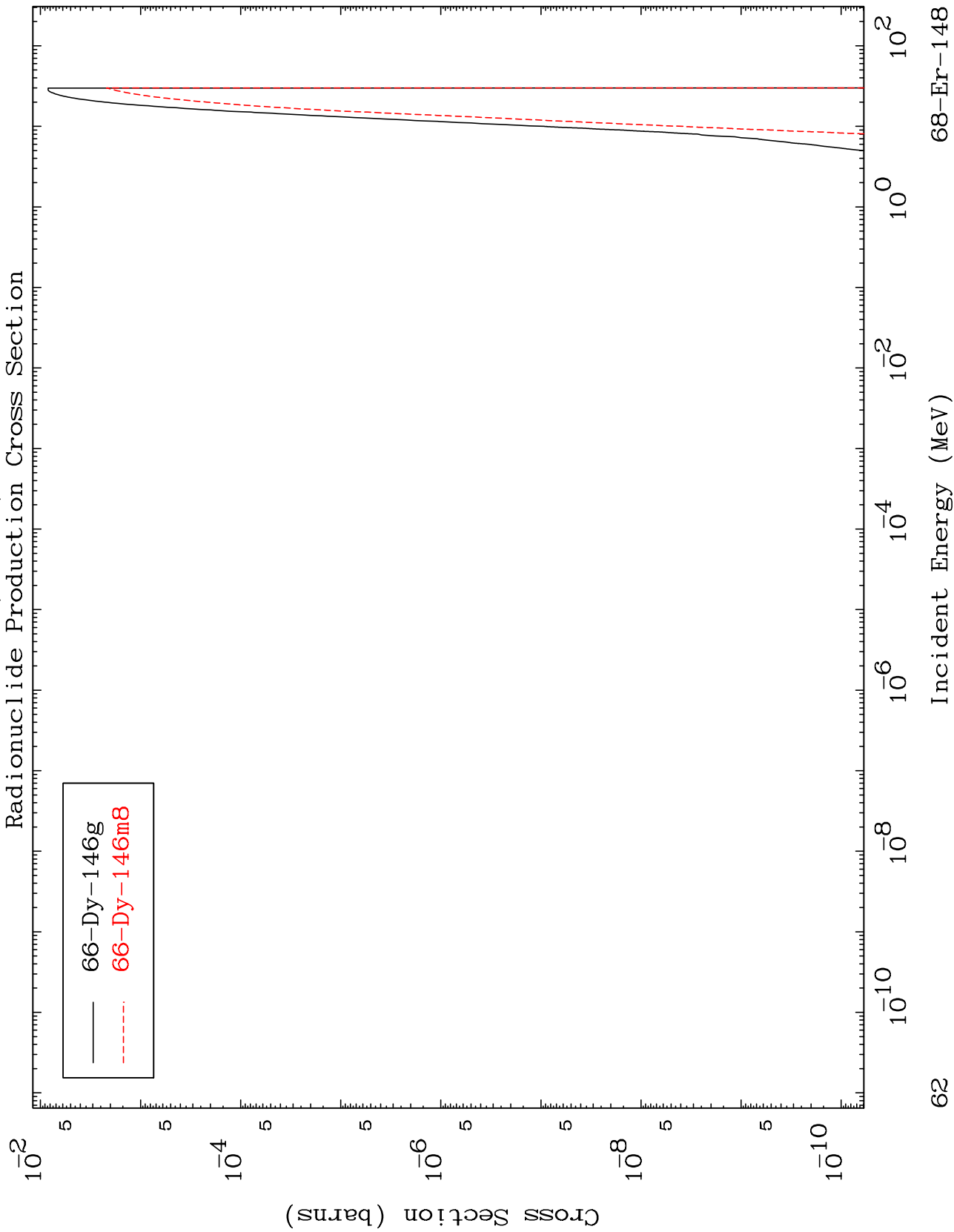
61

MAT 6783

(n,He-3)

68-Er-148

Radionuclide Production Cross Section



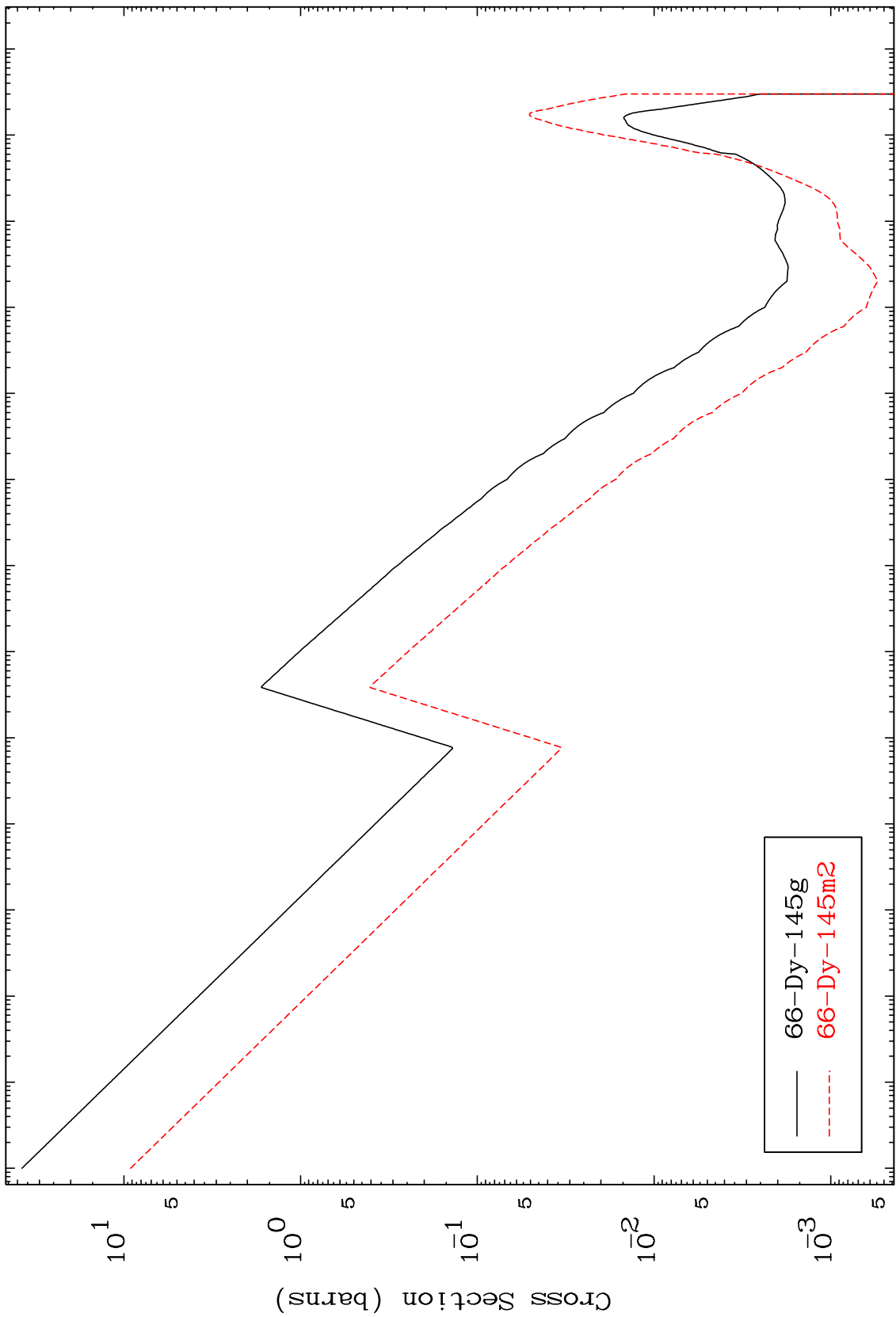
62

MAT 6783

68-Er-148

Radionuclide Production Cross Section

(n, α)



— 66-Dy-145g
- - - 66-Dy-145m2

Incident Energy (MeV)

68-Er-148

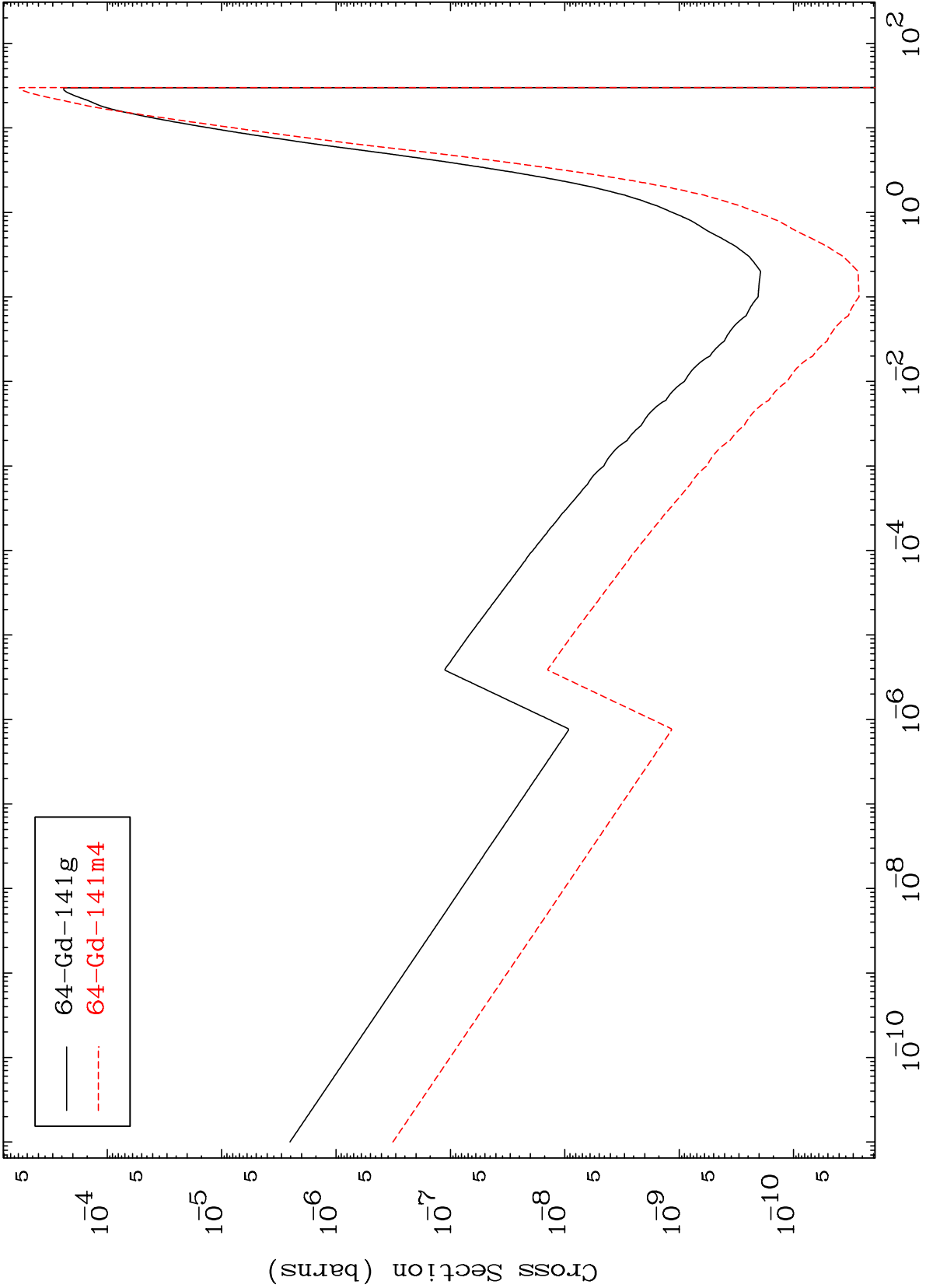
63

MAT 6783

(n,2α)

68-Er-148

Radionuclide Production Cross Section



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

64

Incident Energy (MeV)

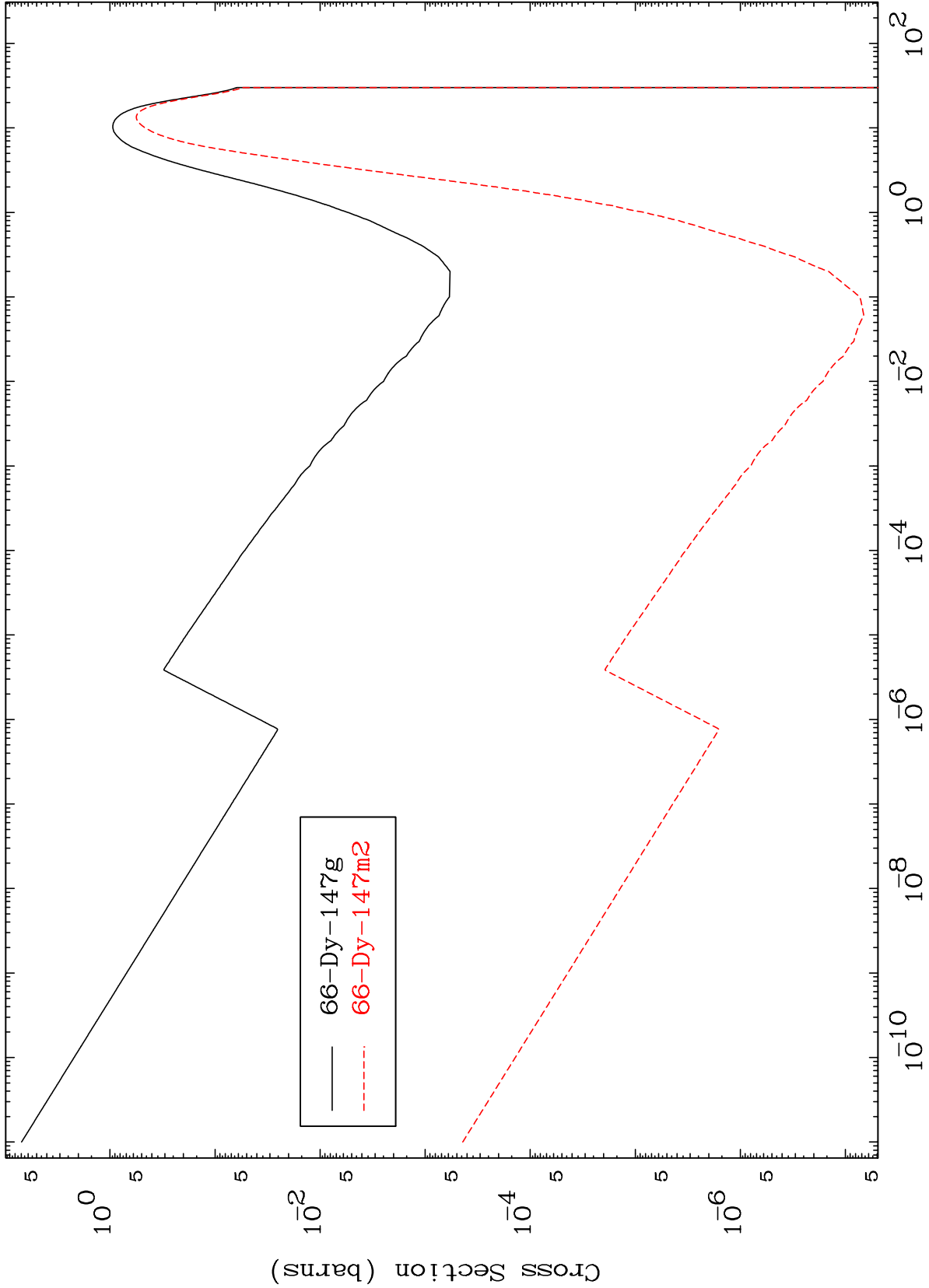
68-Er-148

MAT 6783

(n,2p)

68-Er-148

Radionuclide Production Cross Section



65

Incident Energy (MeV)

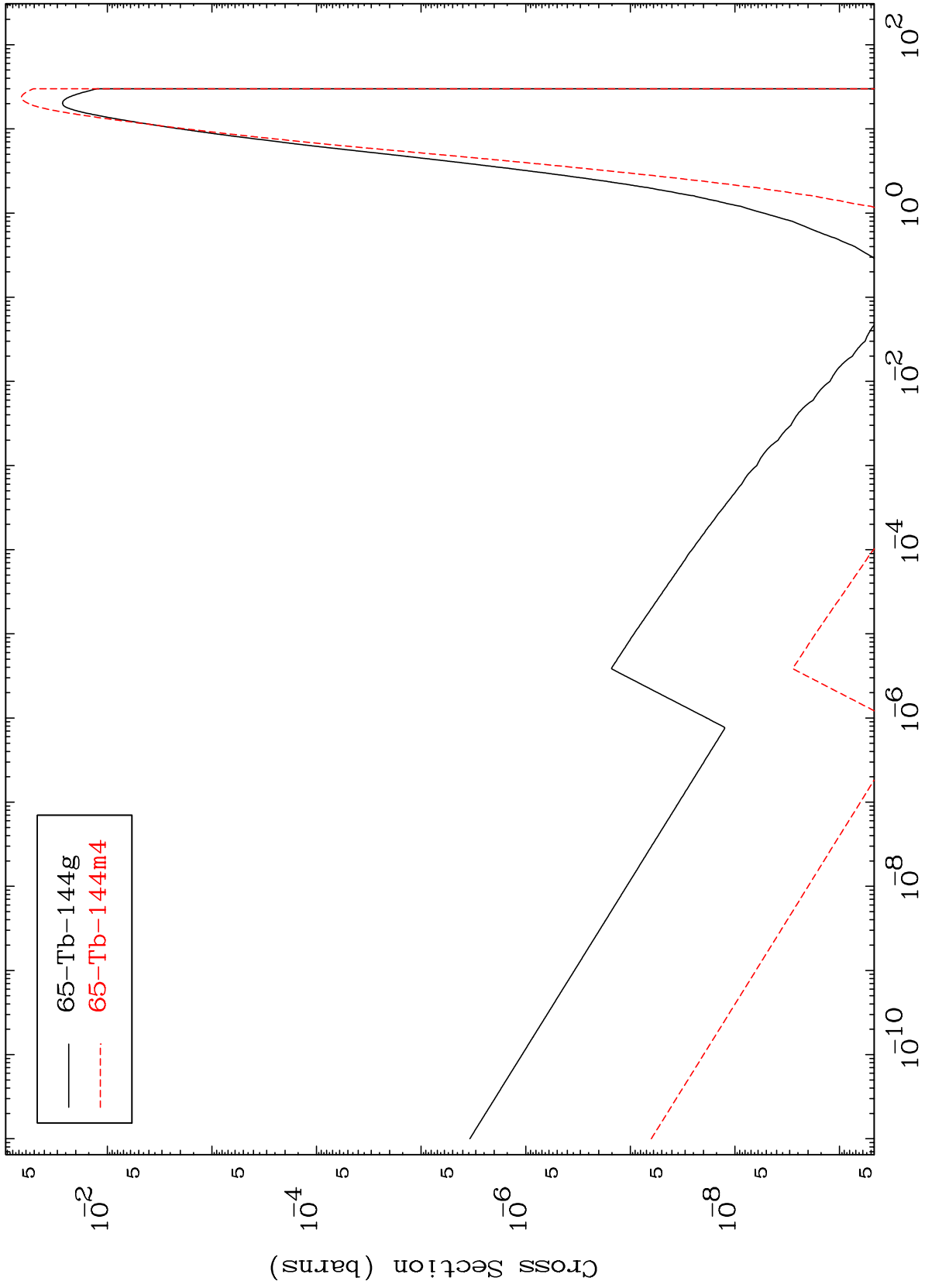
68-Er-148

MAT 6783

(n,p) α

68-Er-148

Radionuclide Production Cross Section



66

Incident Energy (MeV)

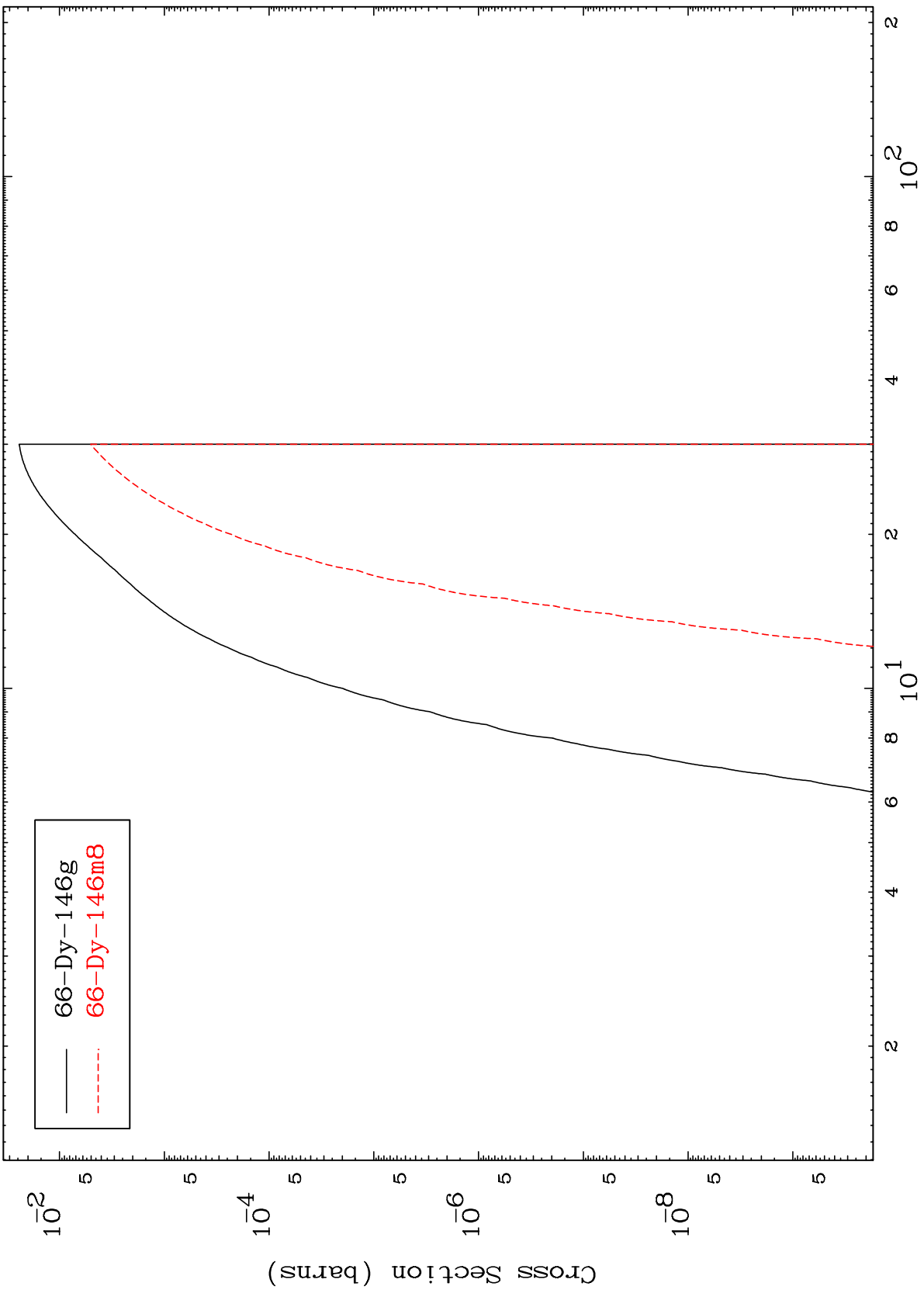
68-Er-148

MAT 6783

(n,p) d

68-Er-148

Radionuclide Production Cross Section



66-Dy-146g
66-Dy-146m8

67

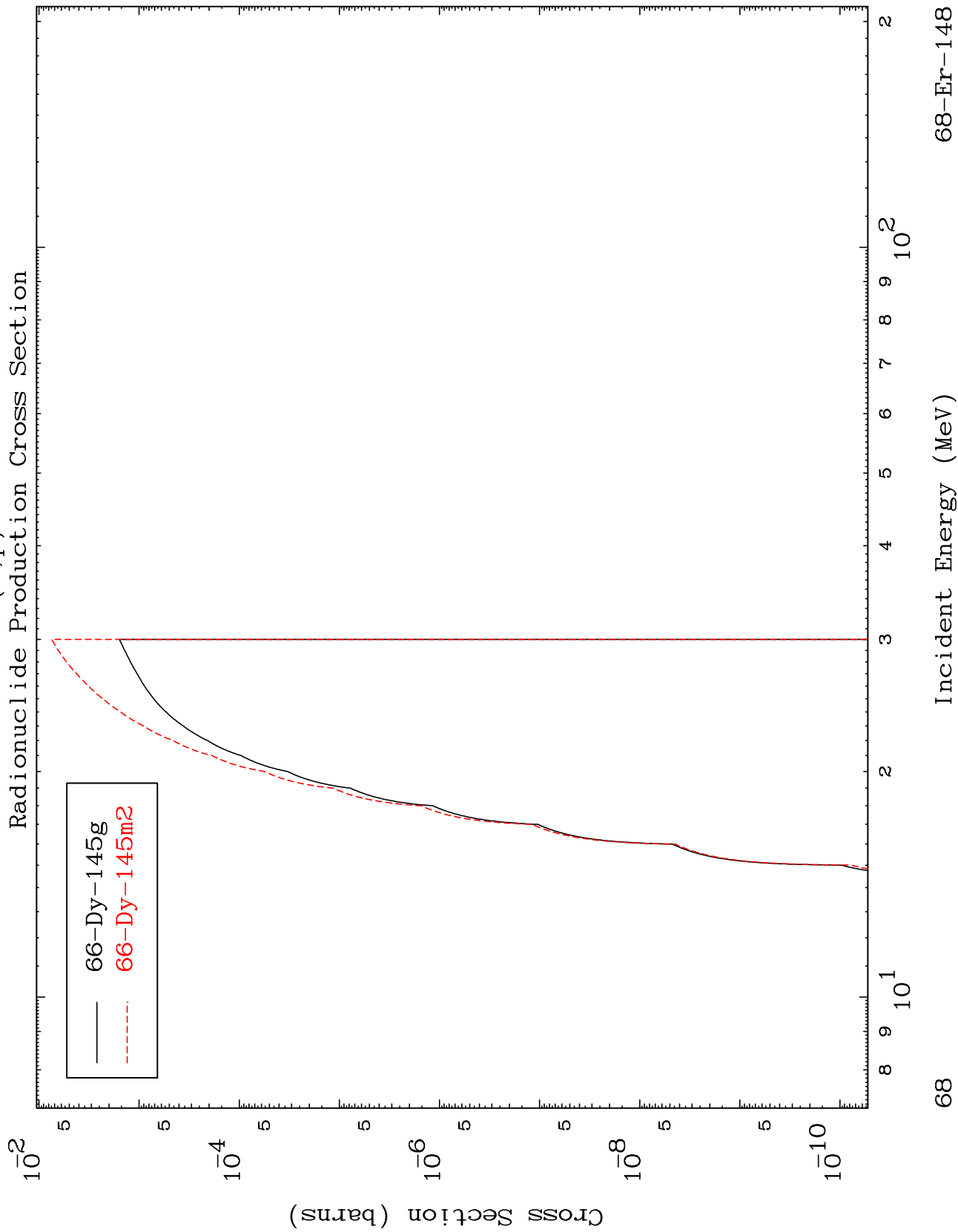
Incident Energy (MeV)

68-Er-148

MAT 6783

(n,p) t

68-Er-148

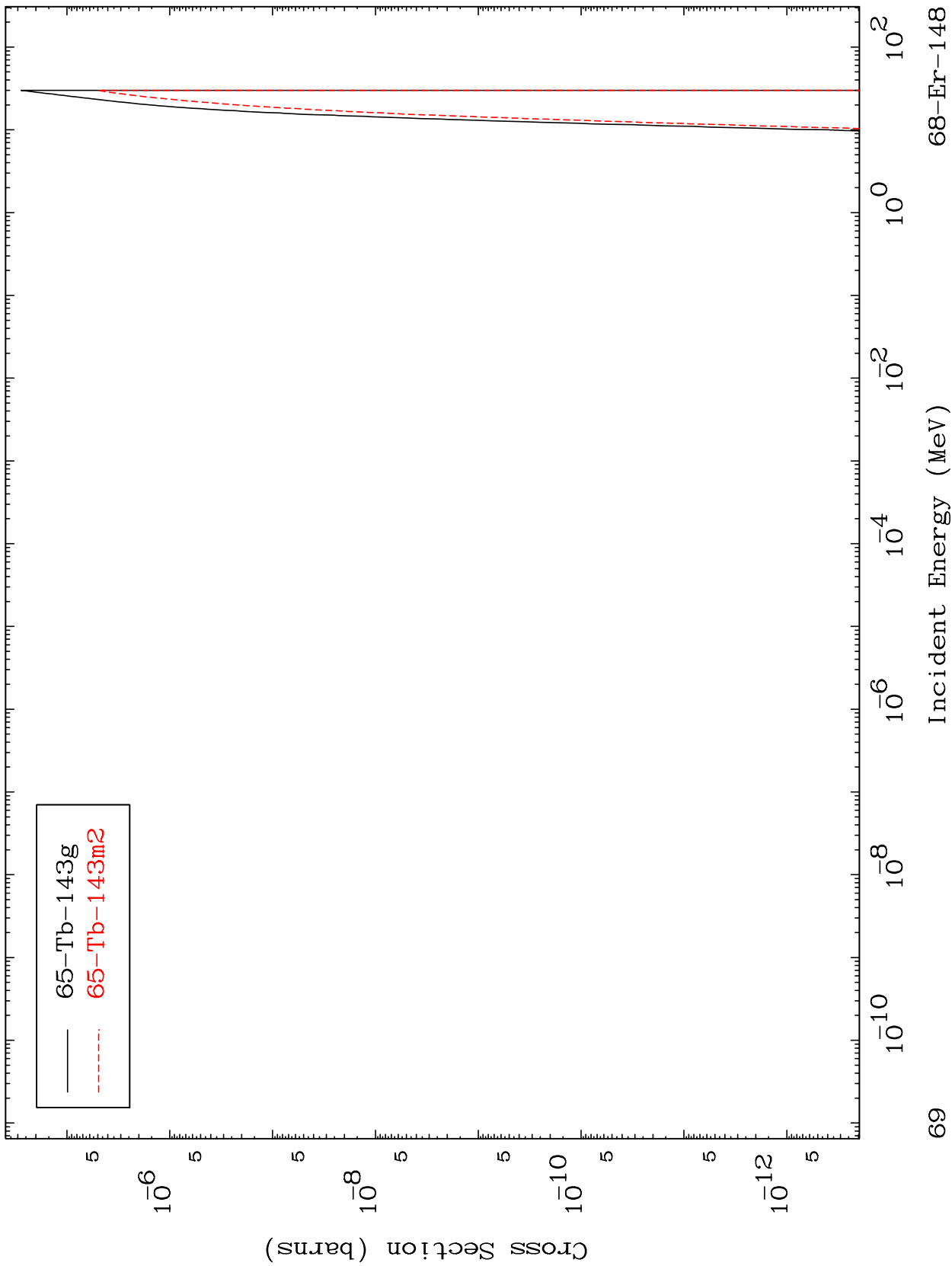


MAT 6783

(n,d) α

68-Er-148

Radionuclide Production Cross Section



69

Incident Energy (MeV)

68-Er-148