

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

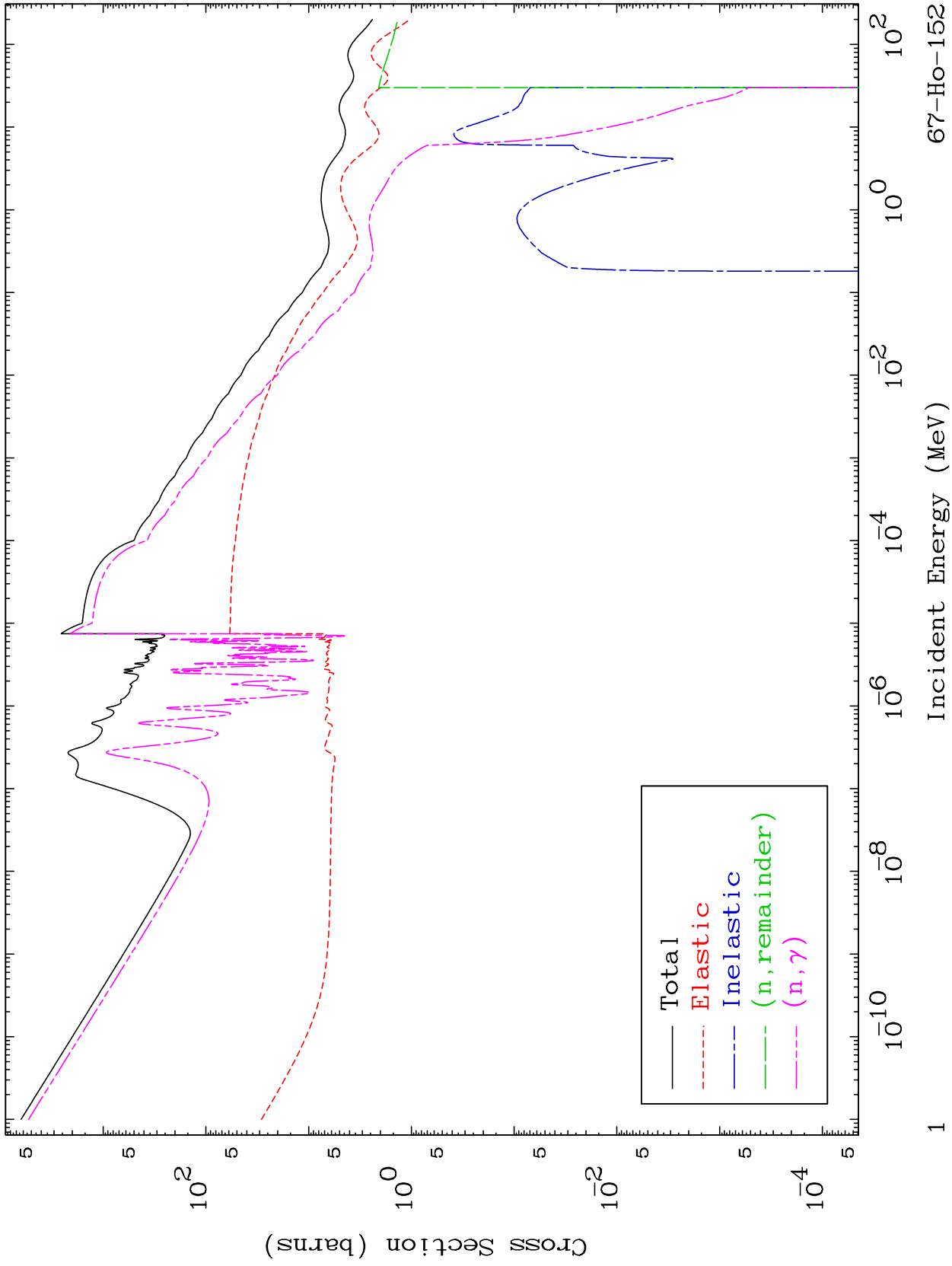
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6686

Major
293 Kelvin Cross Sections

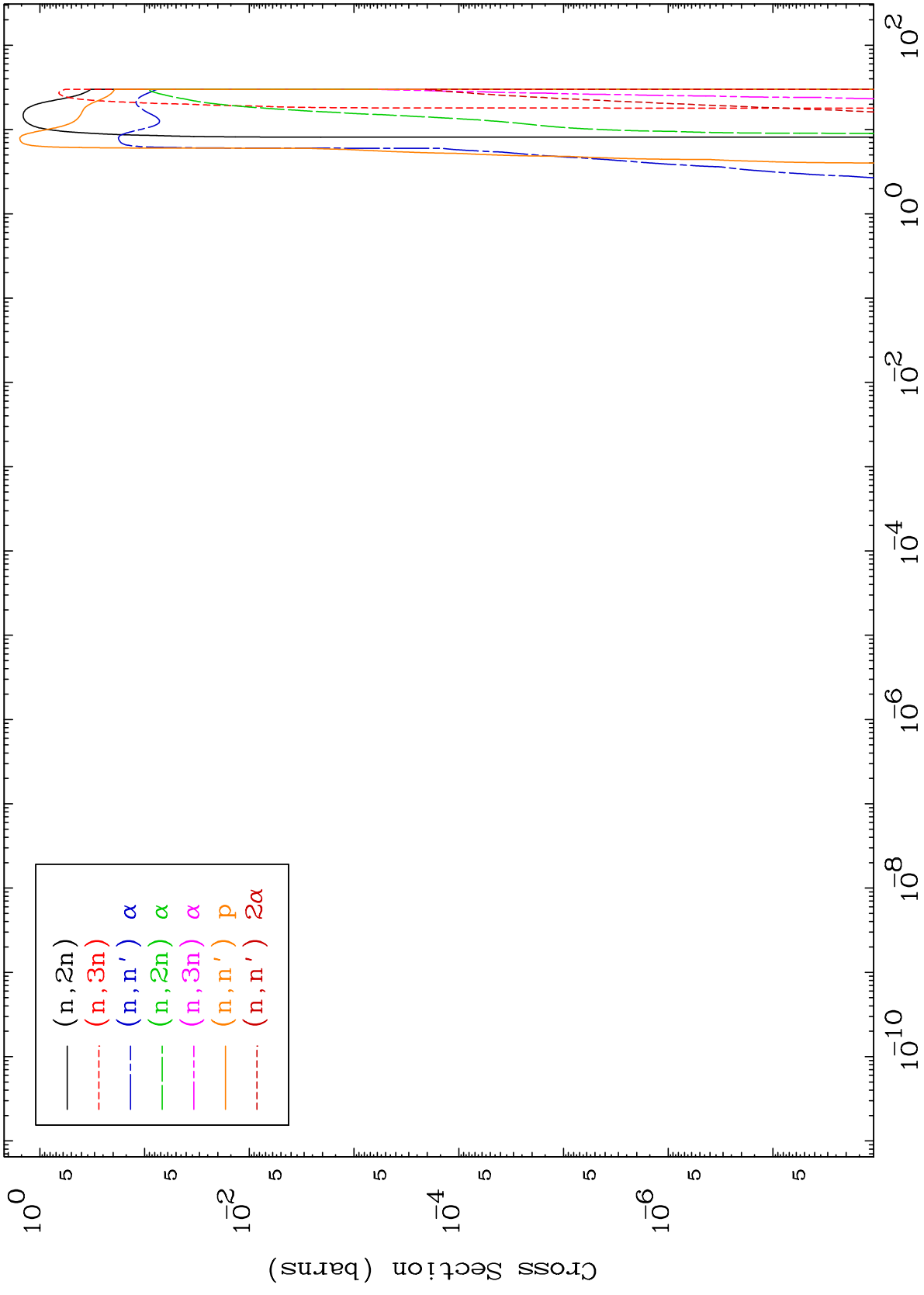
67-Ho-152



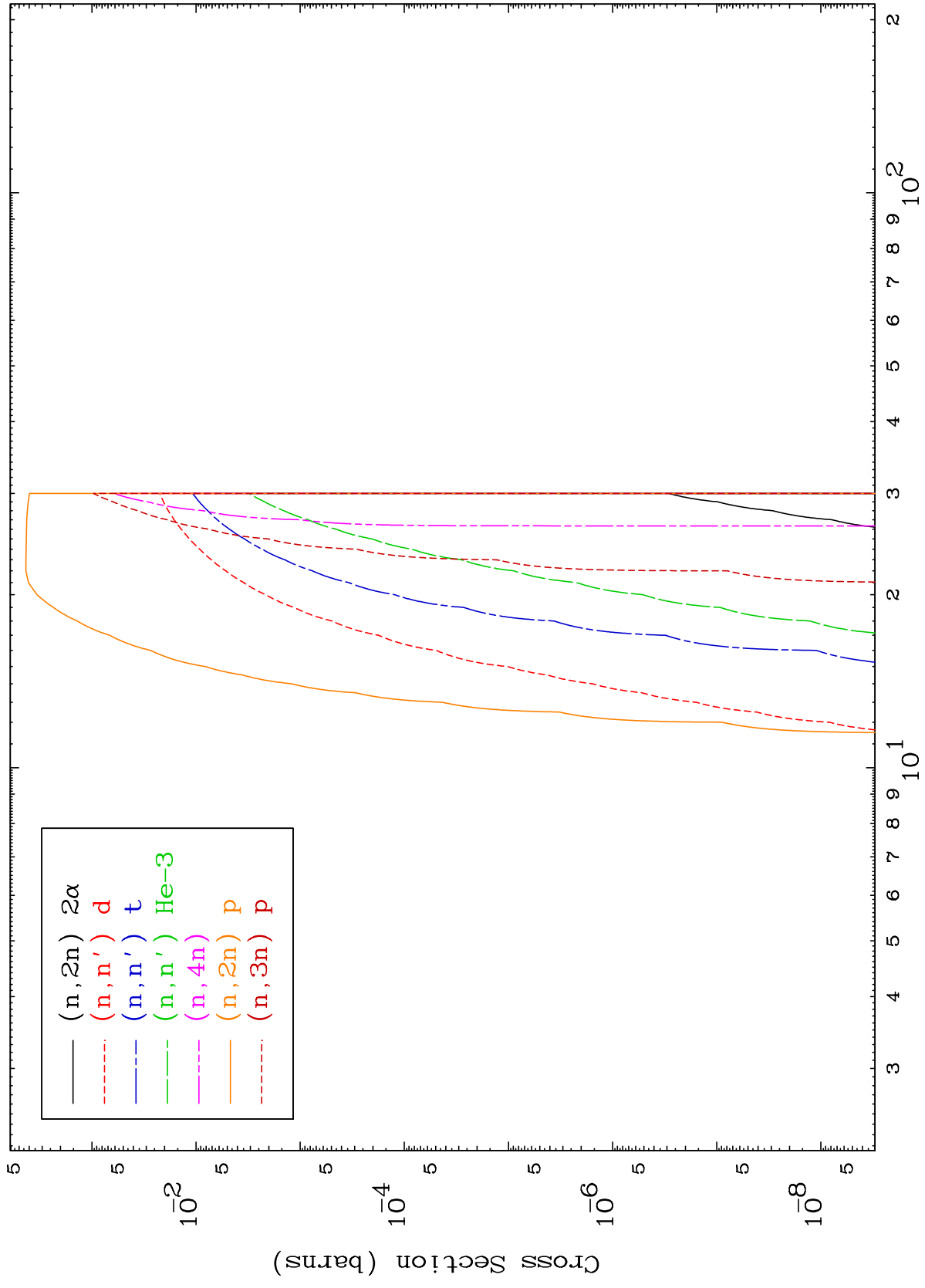
MAT 6686

Neutron Production
293 Kelvin Cross Sections

67-Ho-152



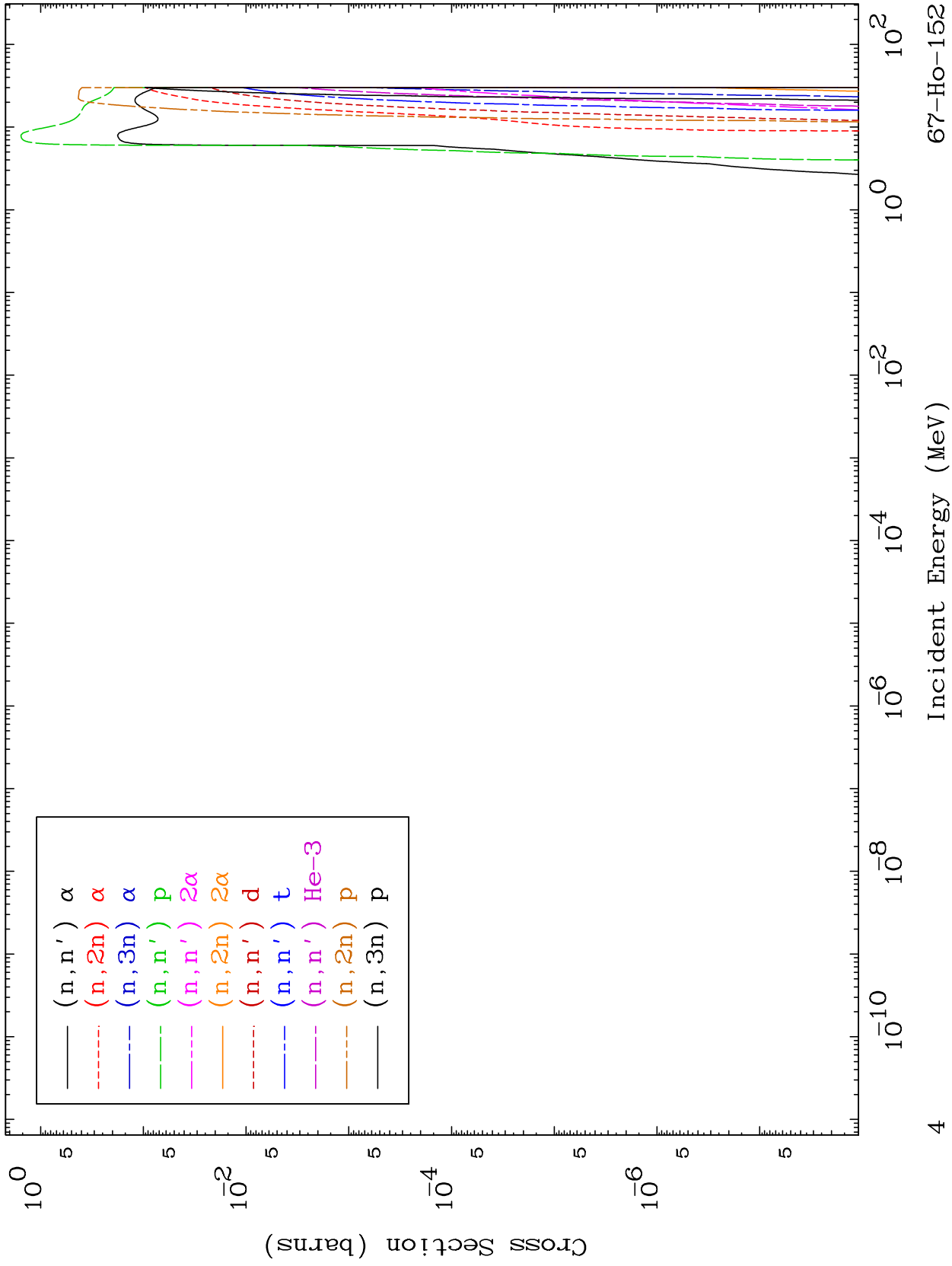
67-Ho-152



MAT 6686

Charged Particle
293 Kelvin Cross Sections

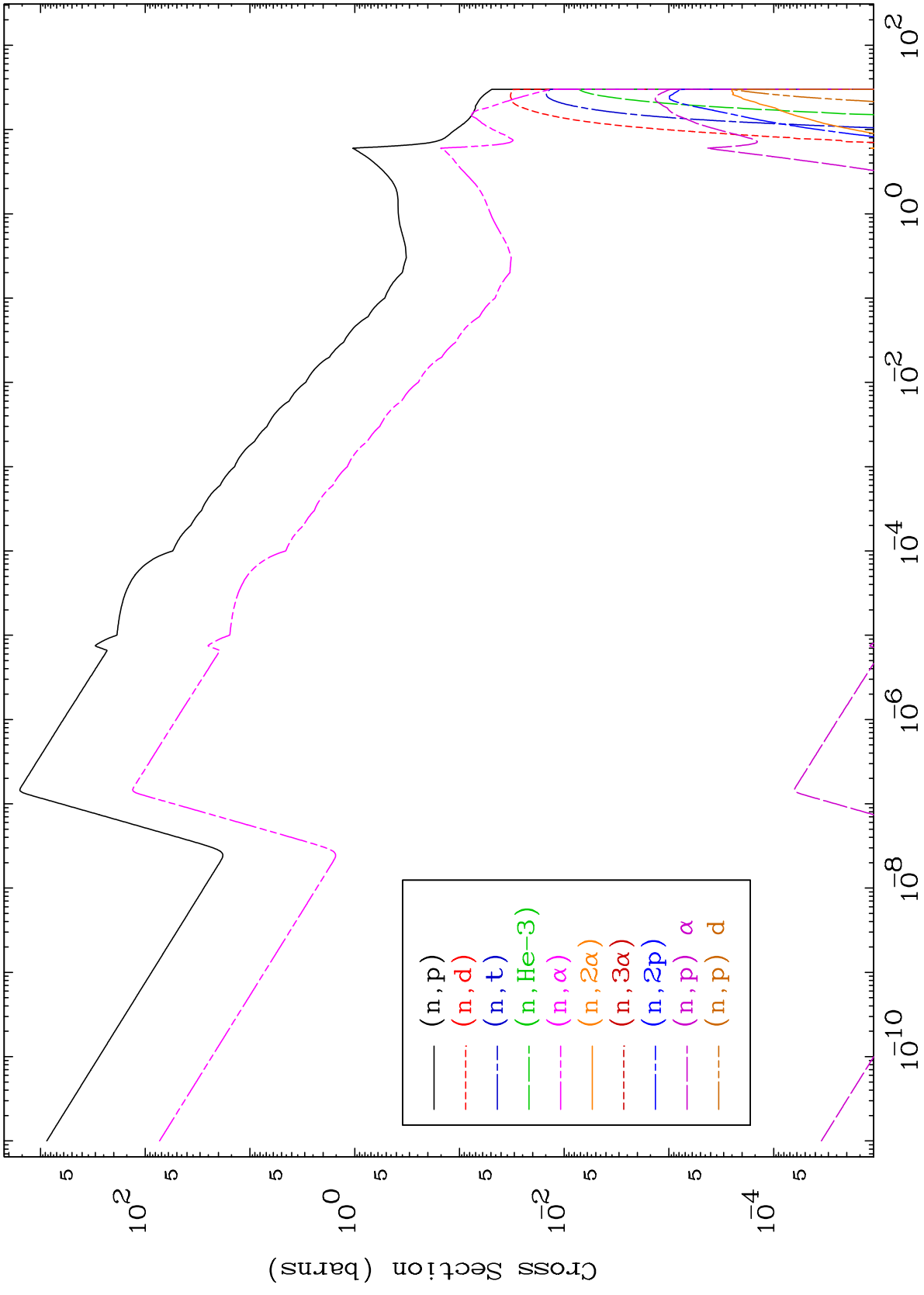
67-Ho-152



MAT 6686

Charged Particle
293 Kelvin Cross Sections

67-Ho-152

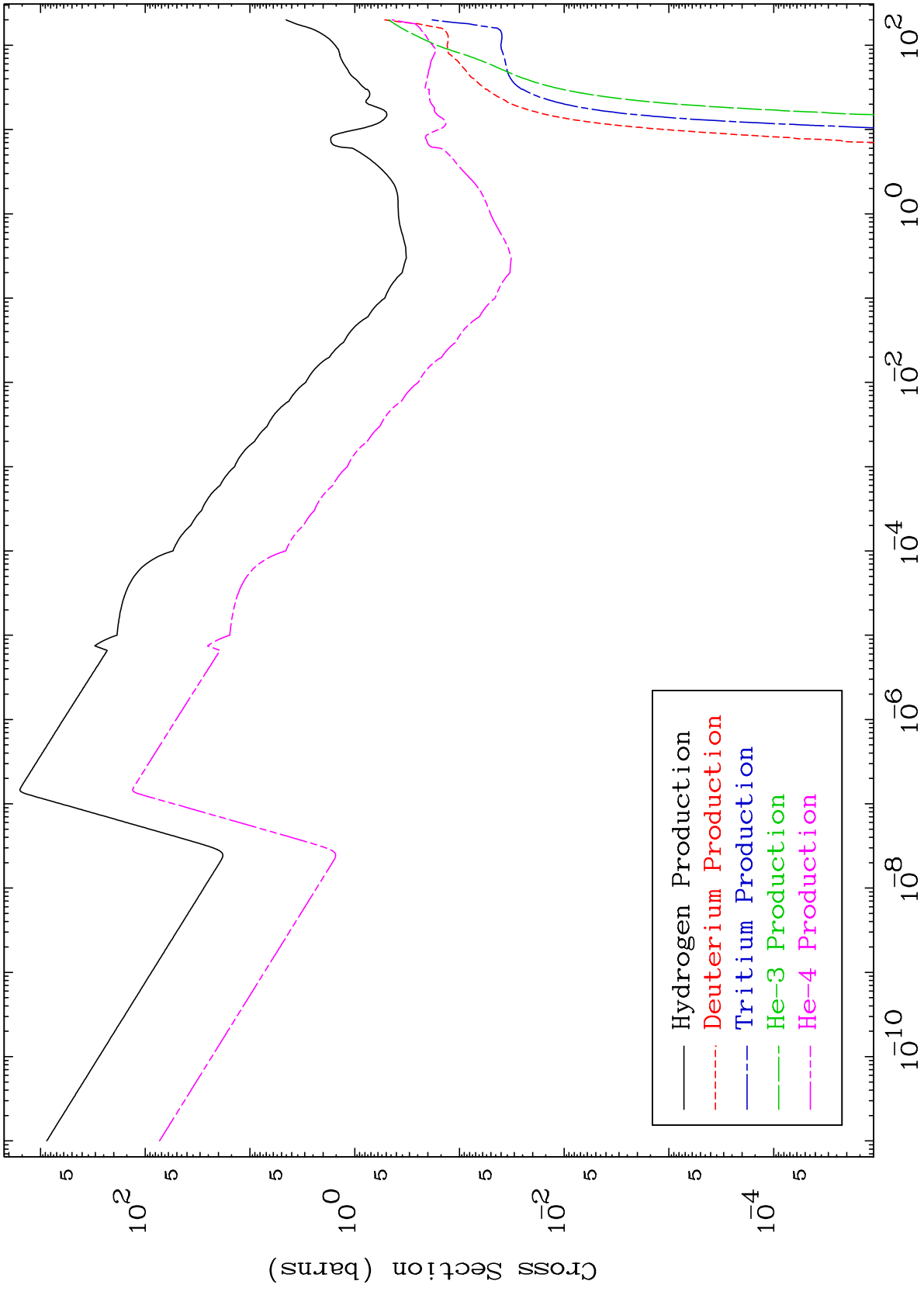


5

MAT 6686

Particle Production
293 Kelvin Cross Sections

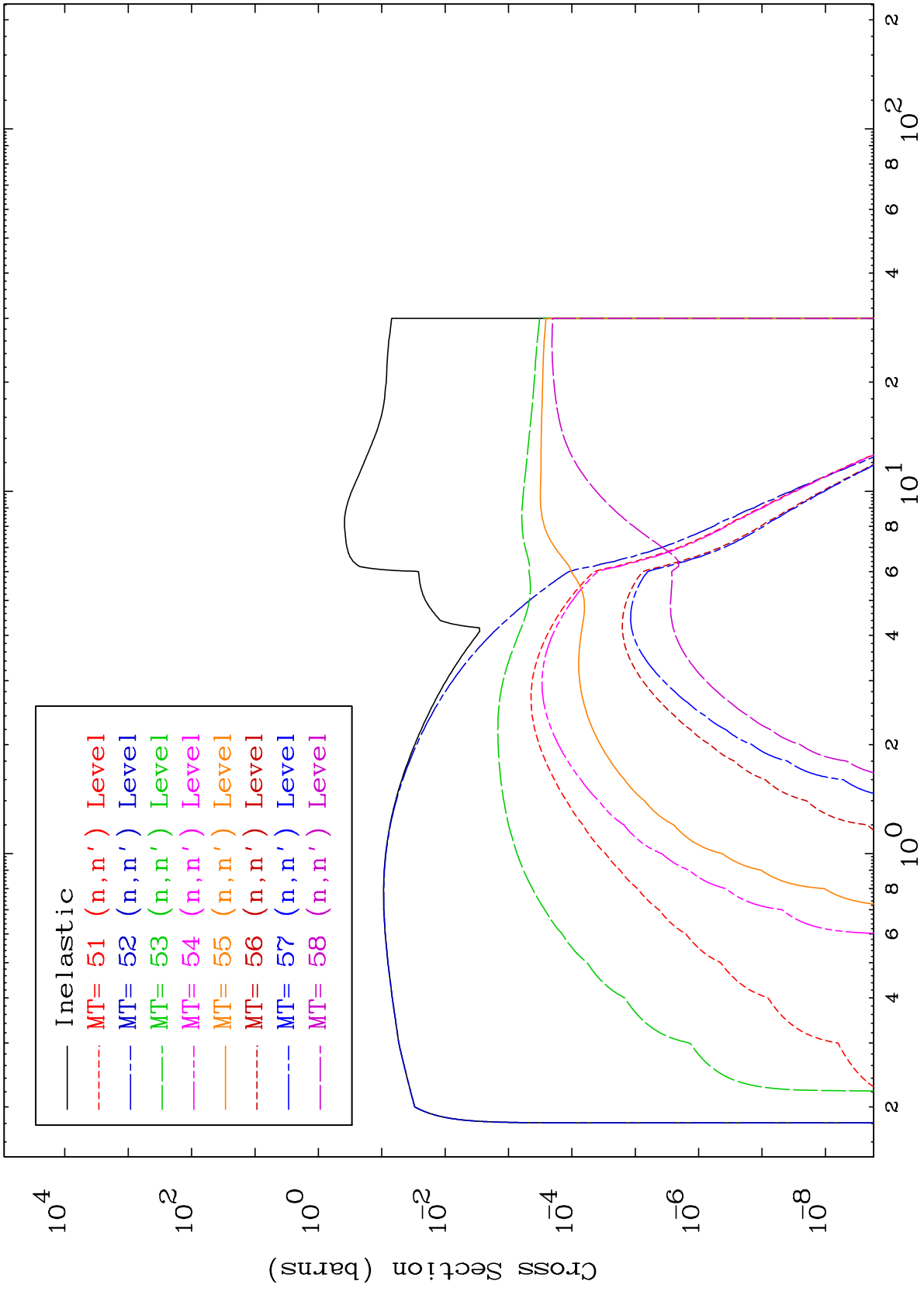
67-Ho-152



MAT 6686

(n,n') Level
293 Kelvin Cross Sections

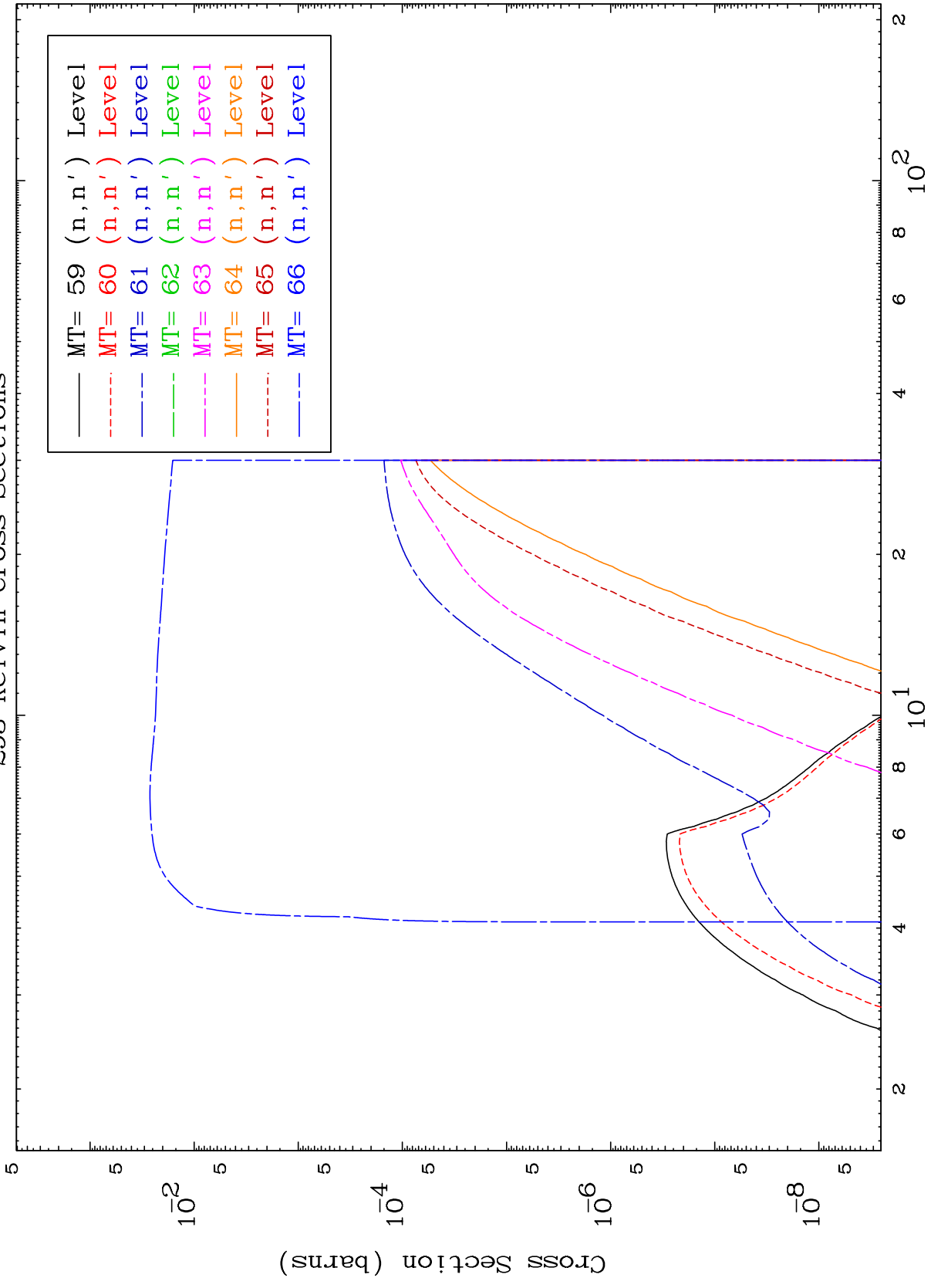
67-Ho-152



MAT 6686

(n,n') Level
293 Kelvin Cross Sections

67-Ho-152



8

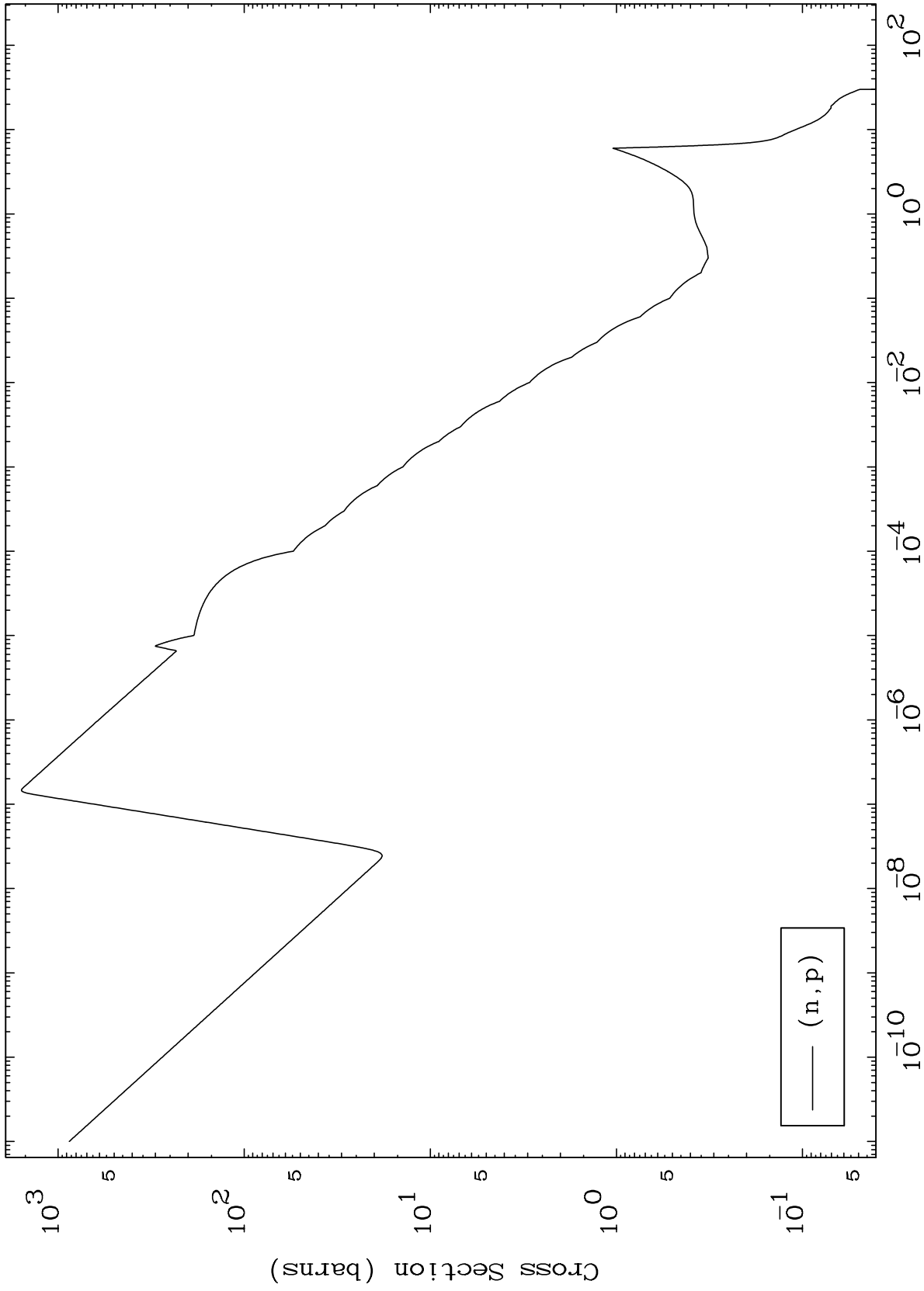
Incident Energy (MeV)

67-Ho-152

MAT 6686

(n,p) Levels
293 Kelvin Cross Sections

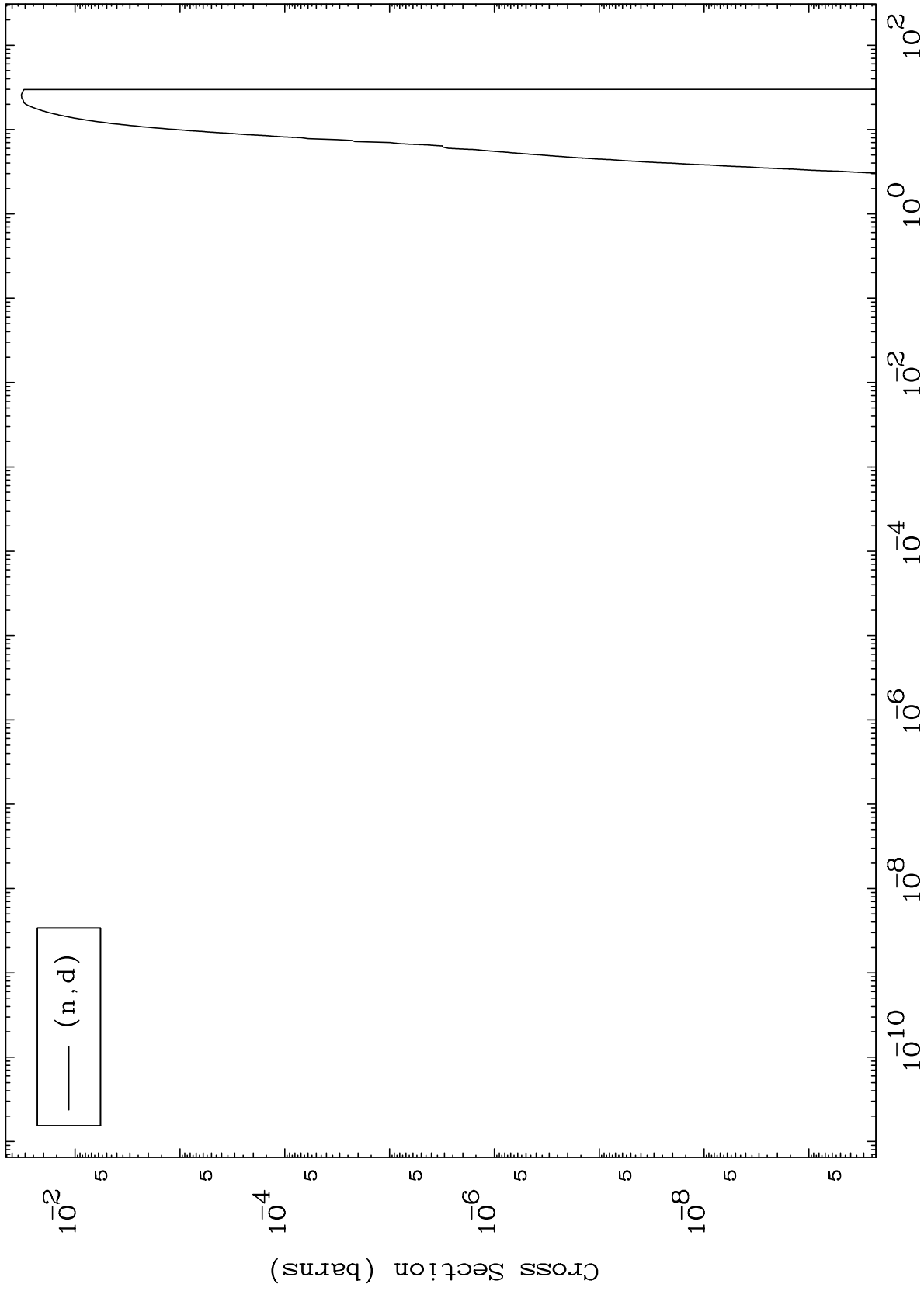
67-Ho-152



MAT 6686

(n,d) Levels
293 Kelvin Cross Sections

67-Ho-152



10

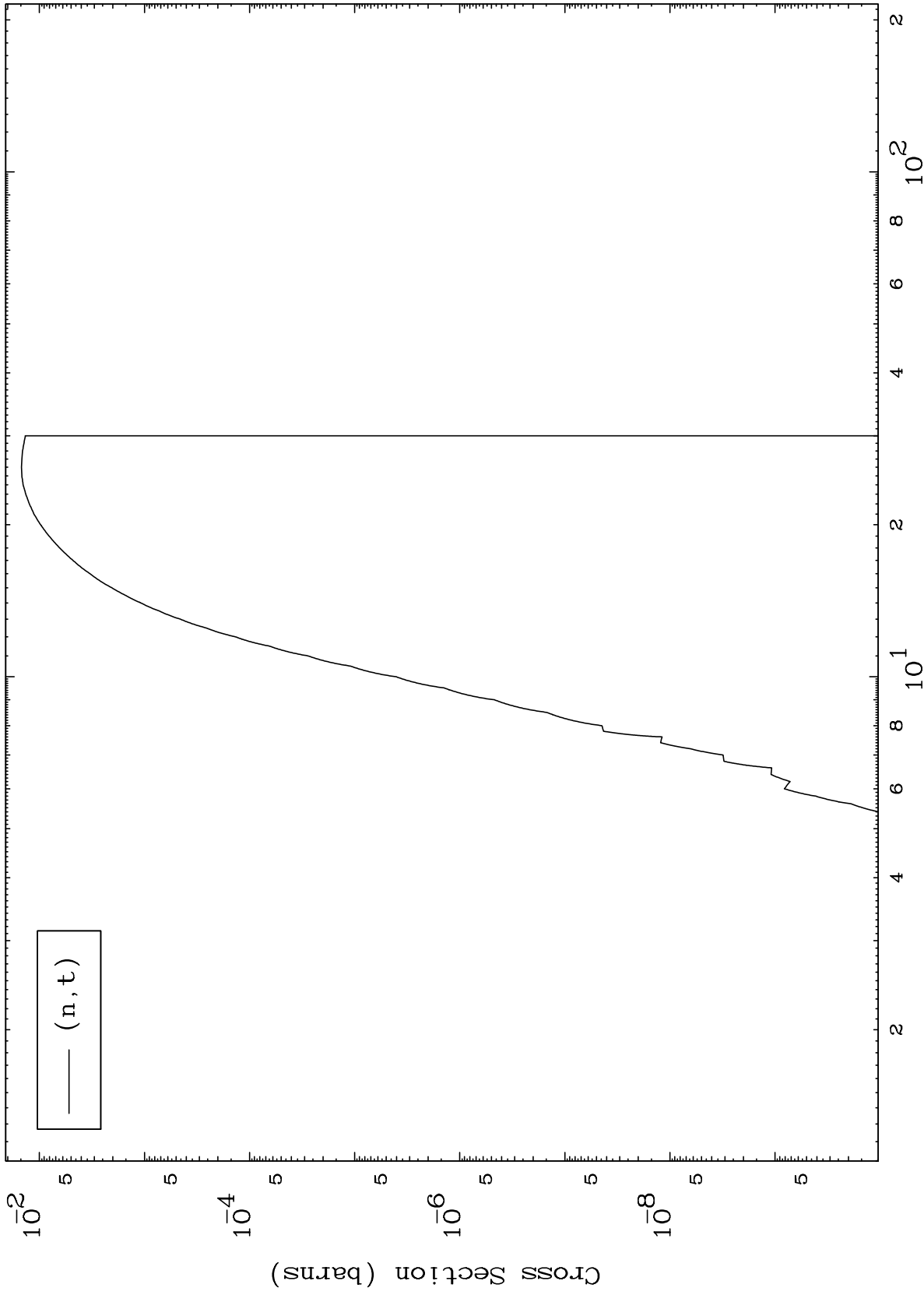
Incident Energy (MeV)

67-Ho-152

MAT 6686

(n,t) Levels
293 Kelvin Cross Sections

67-Ho-152



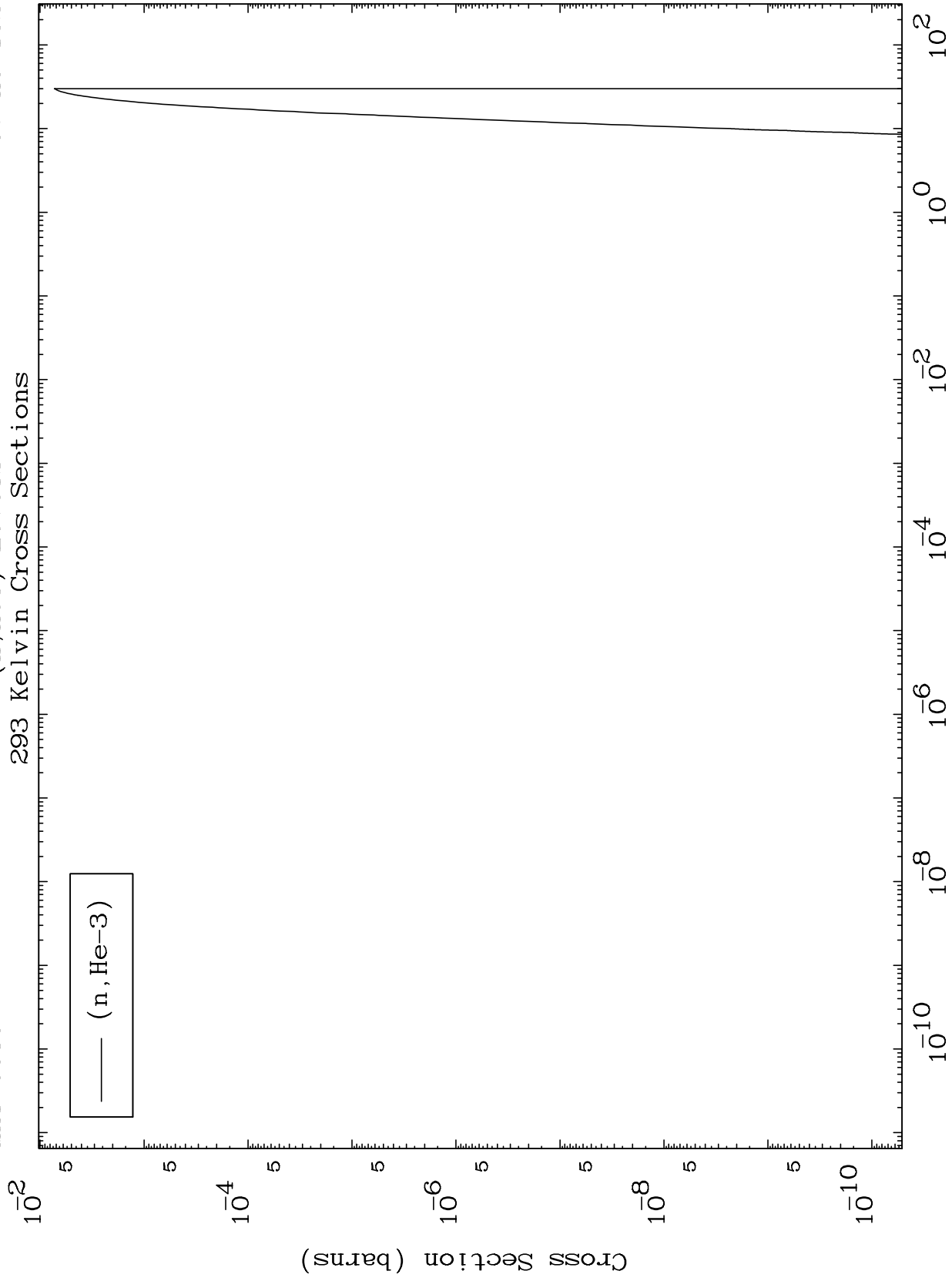
11

67-Ho-152

MAT 6686

(n,He3) Levels
293 Kelvin Cross Sections

67-Ho-152

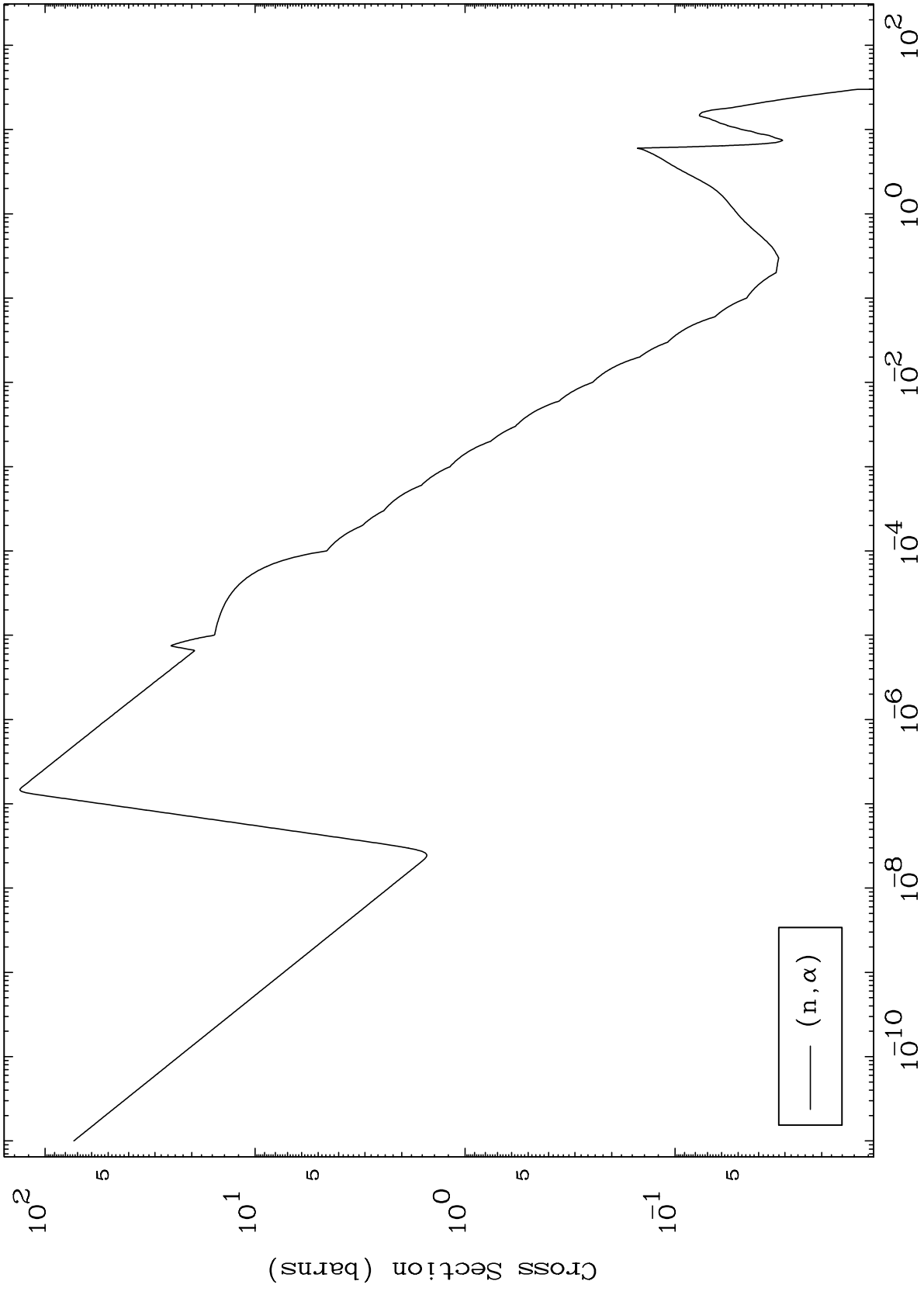


(n, He-3)

MAT 6686

(n,α) Levels
293 Kelvin Cross Sections

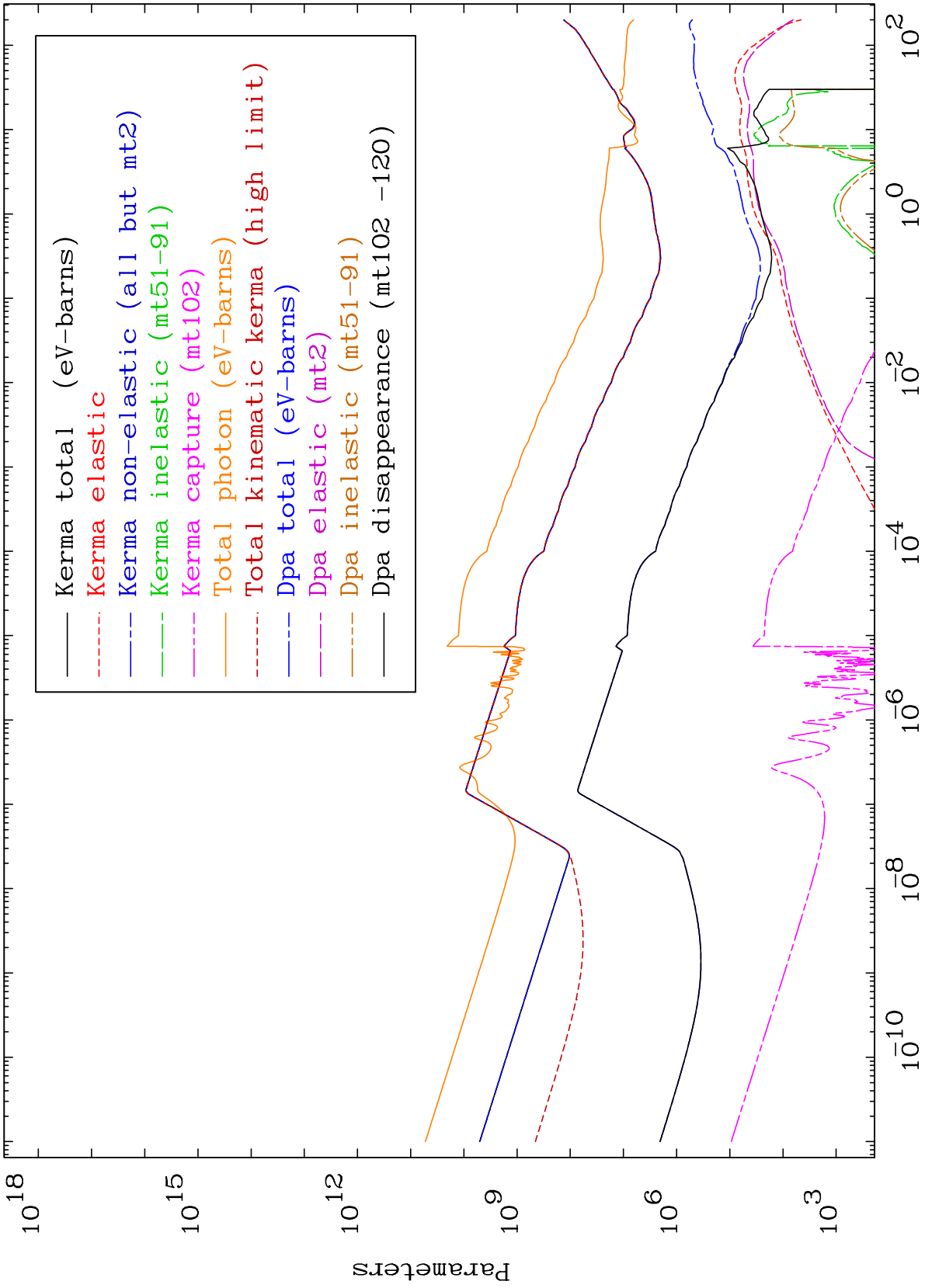
67-Ho-152



13

Incident Energy (MeV)

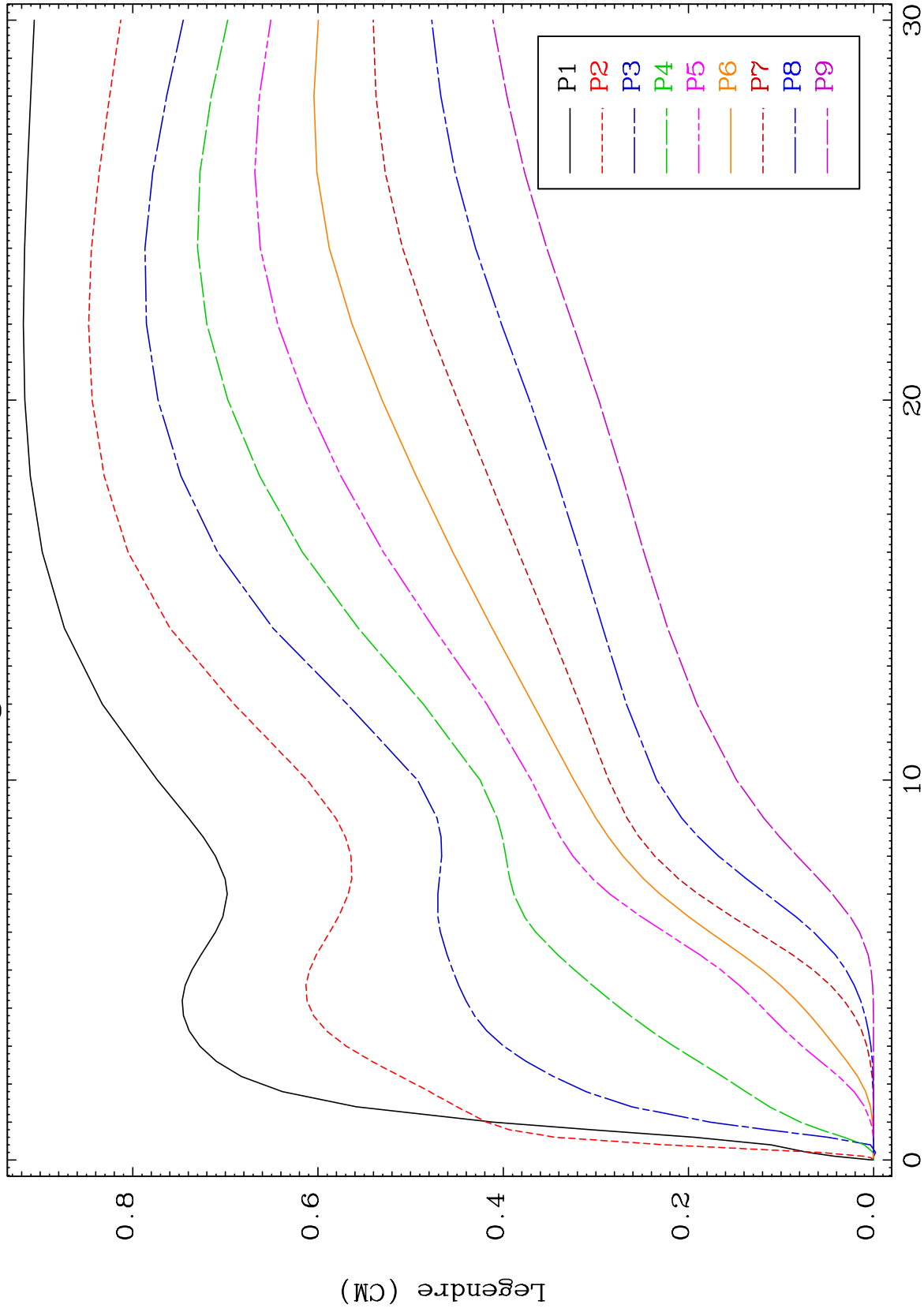
67-Ho-152



MAT 6686

Elastic Legendre Coefficients

67-Ho-152



15

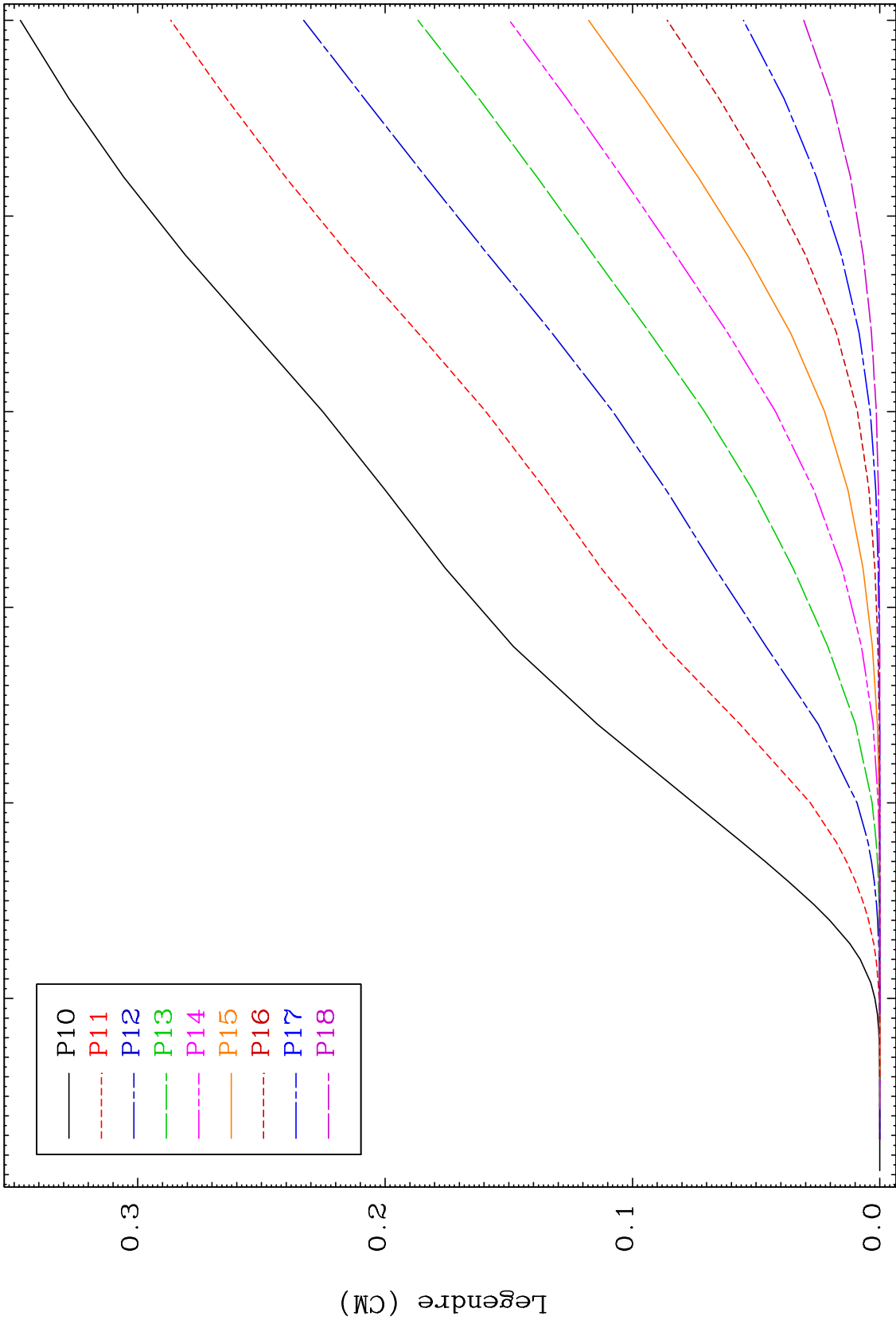
Incident Energy (MeV)

67-Ho-152

MAT 6686

Elastic Legendre Coefficients

67-Ho-152



16

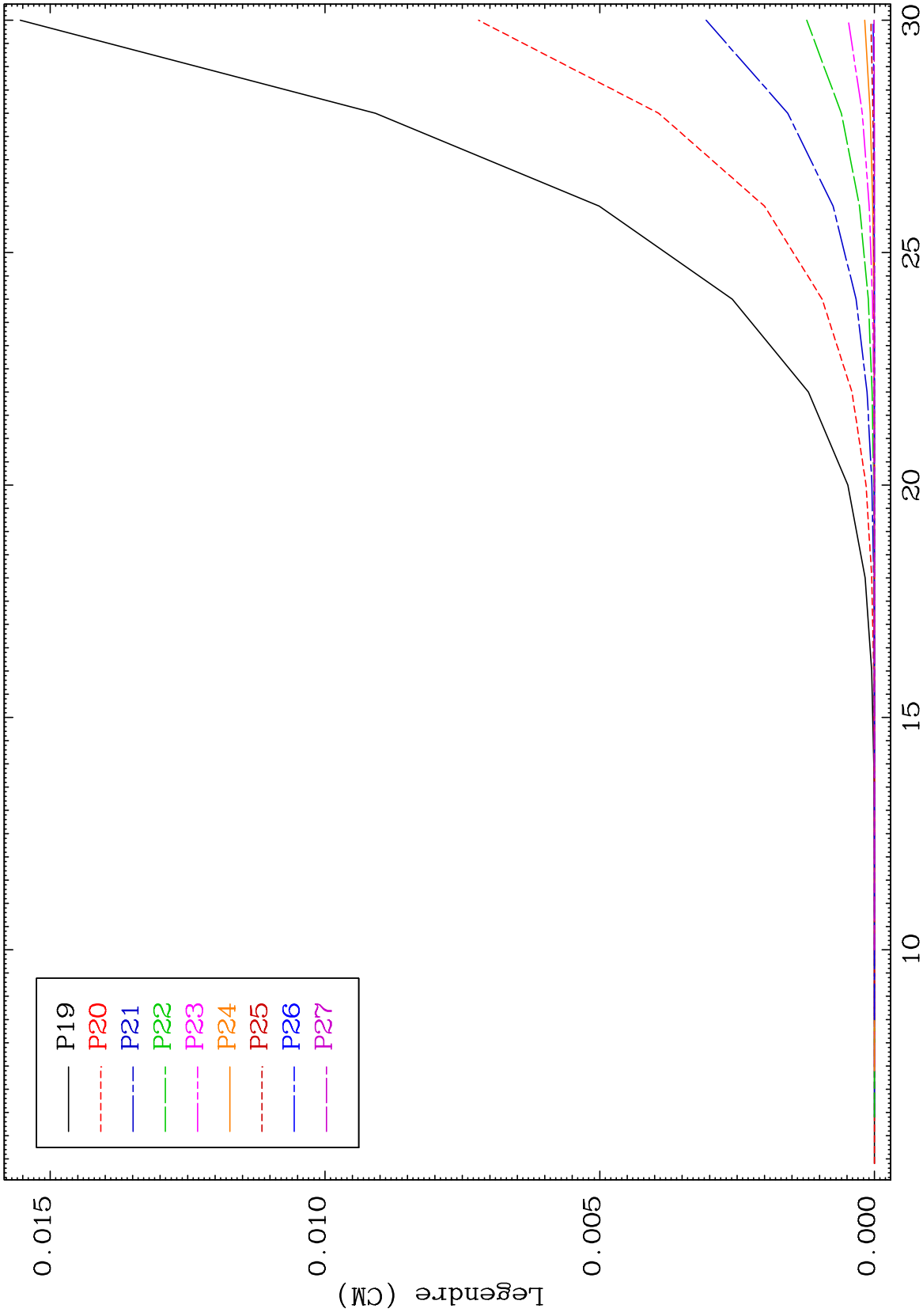
Incident Energy (MeV)

67-Ho-152

MAT 6686

Elastic Legendre Coefficients

67-Ho-152



17

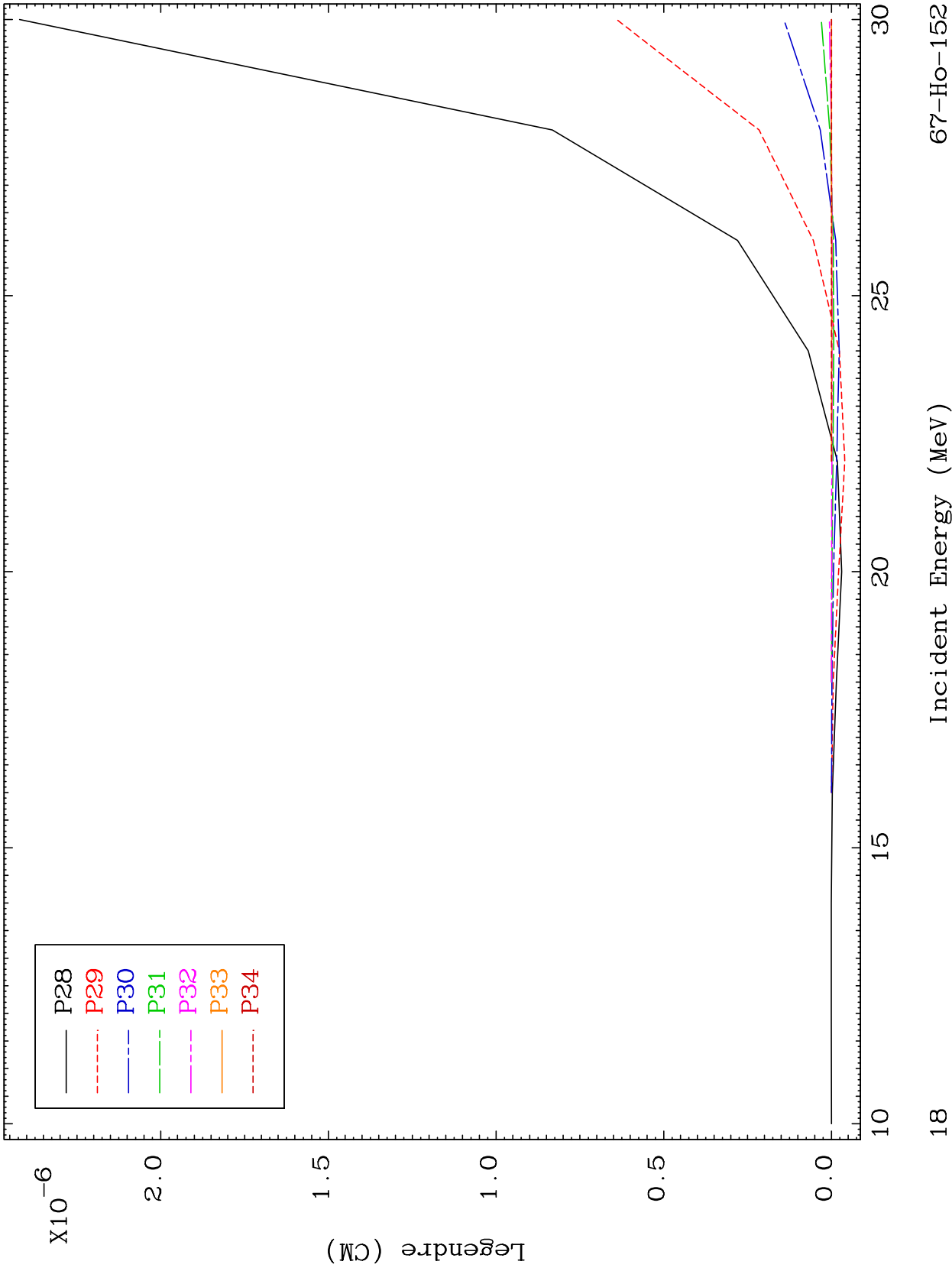
Incident Energy (MeV)

67-Ho-152

MAT 6686

Elastic Legendre Coefficients

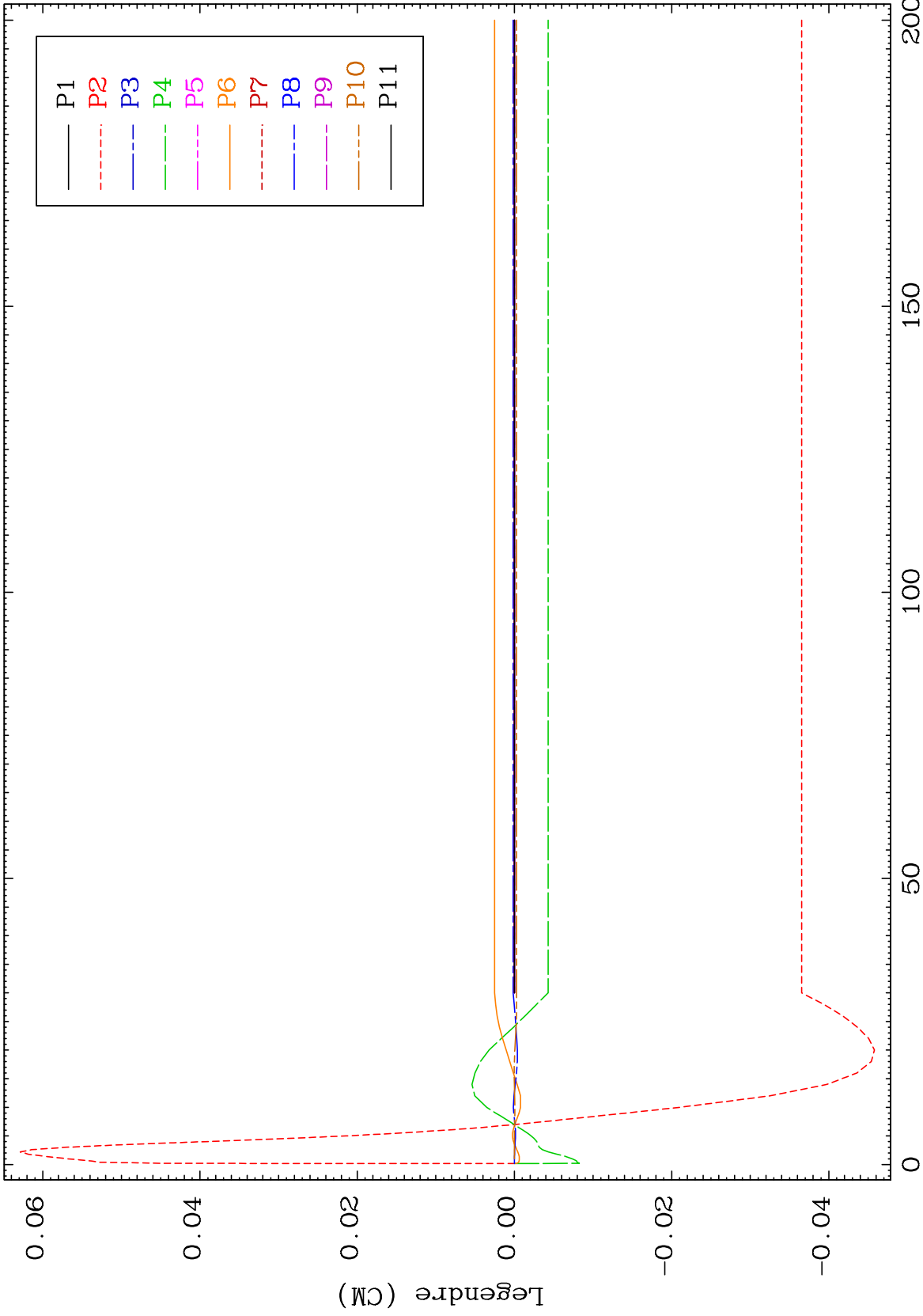
67-Ho-152



MAT 6686

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

67-Ho-152



19

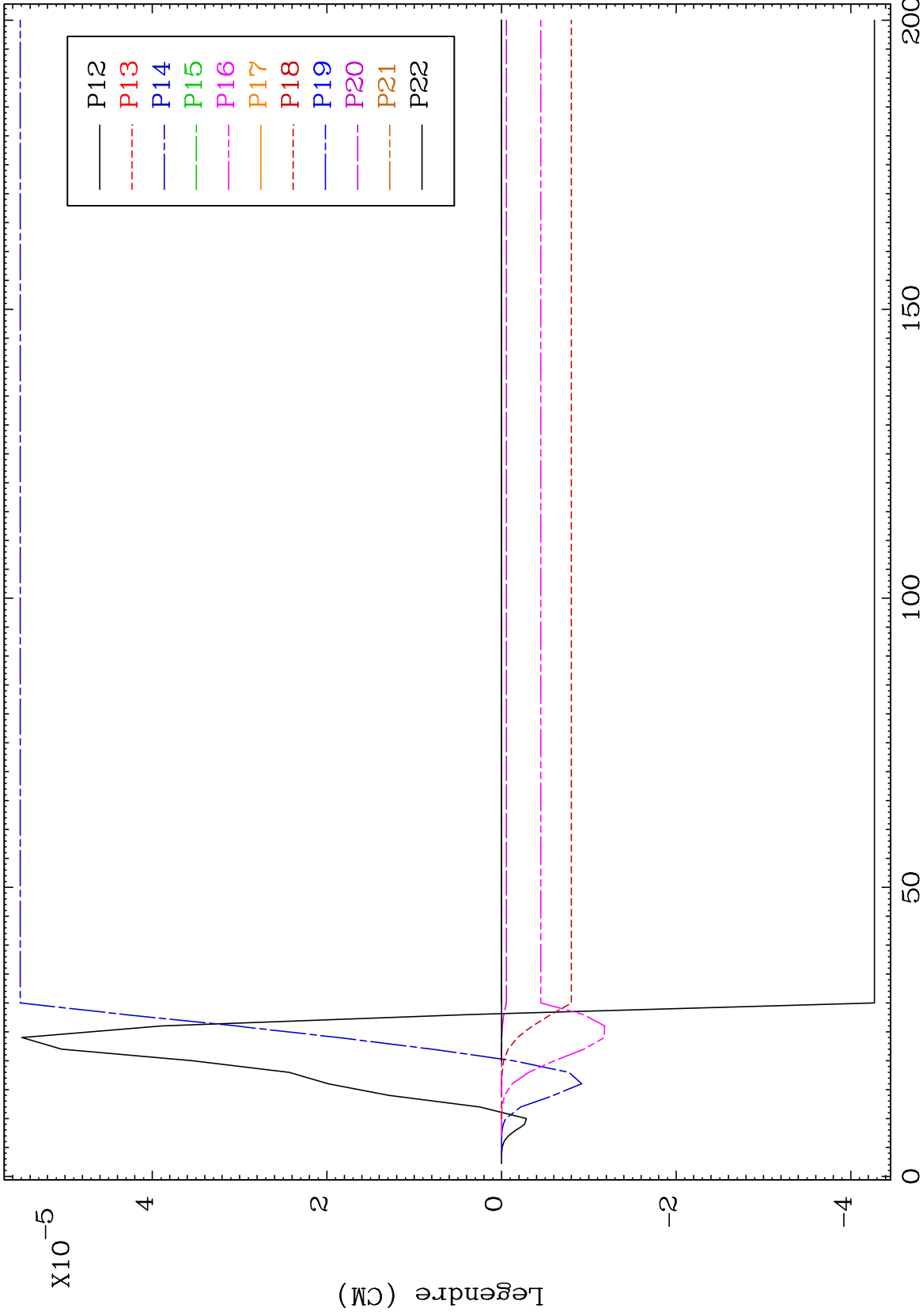
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



20

Incident Energy (MeV)

50

100

150

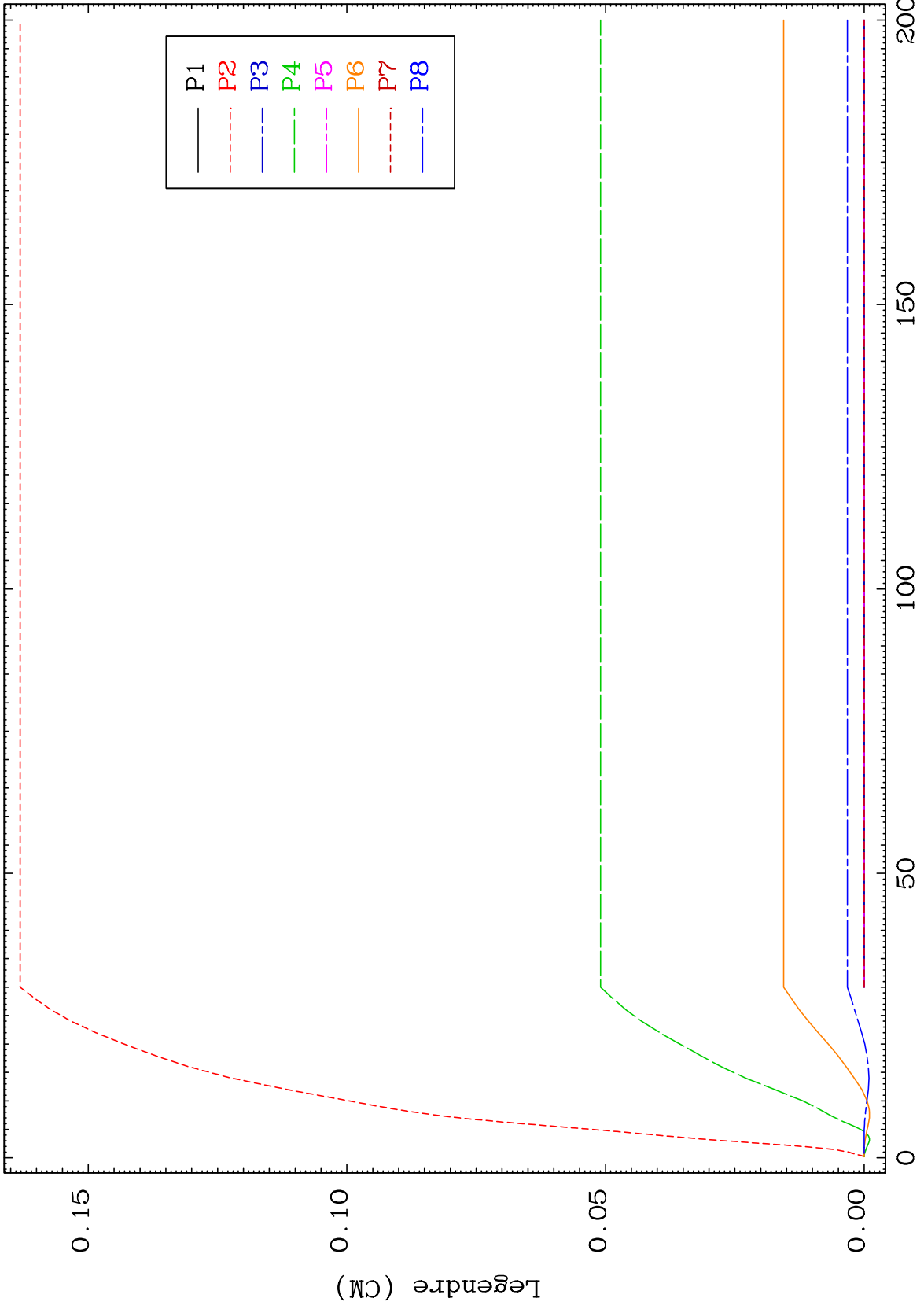
200

67-Ho-152

MAT 6686

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

67-Ho-152



21

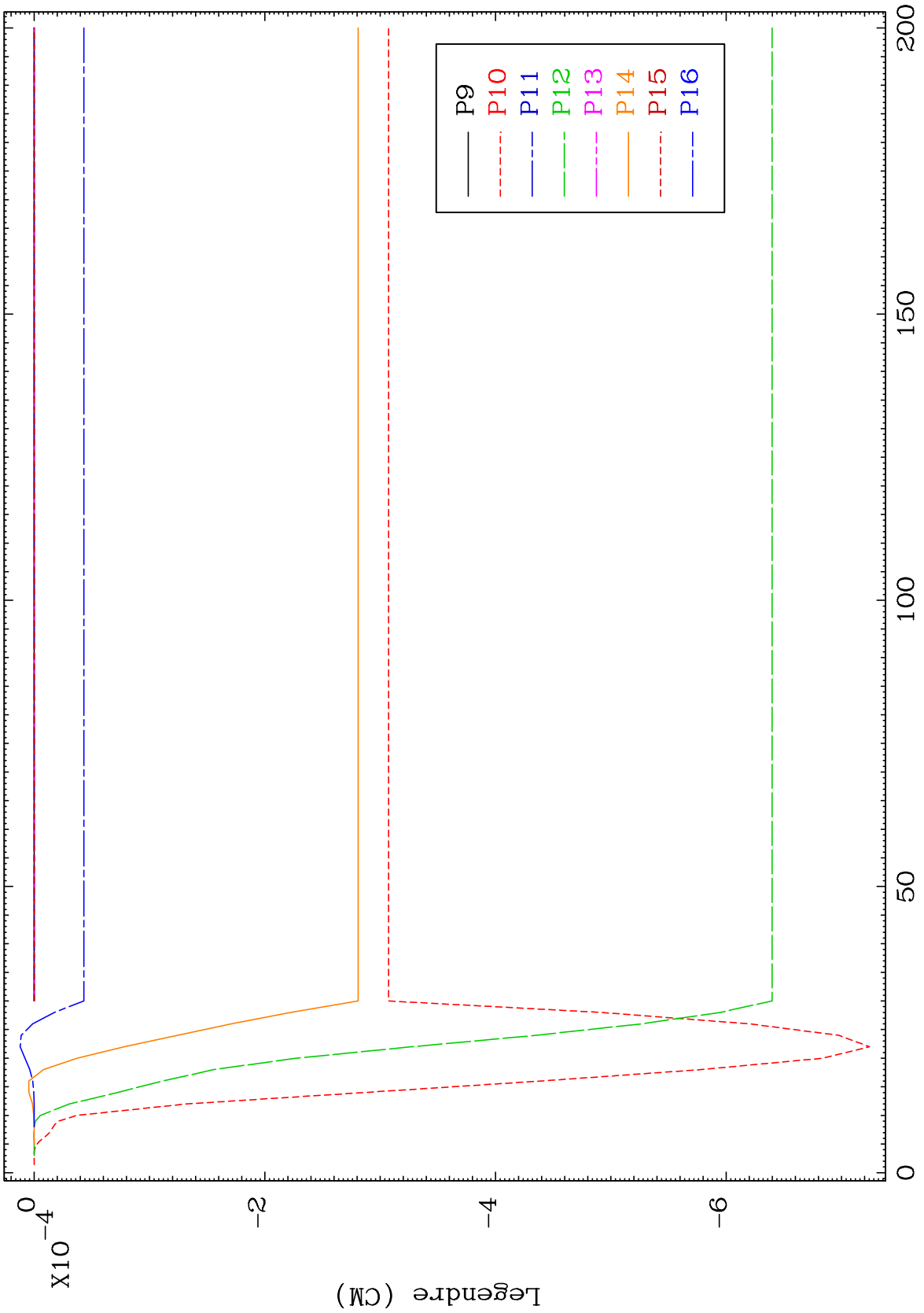
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



22

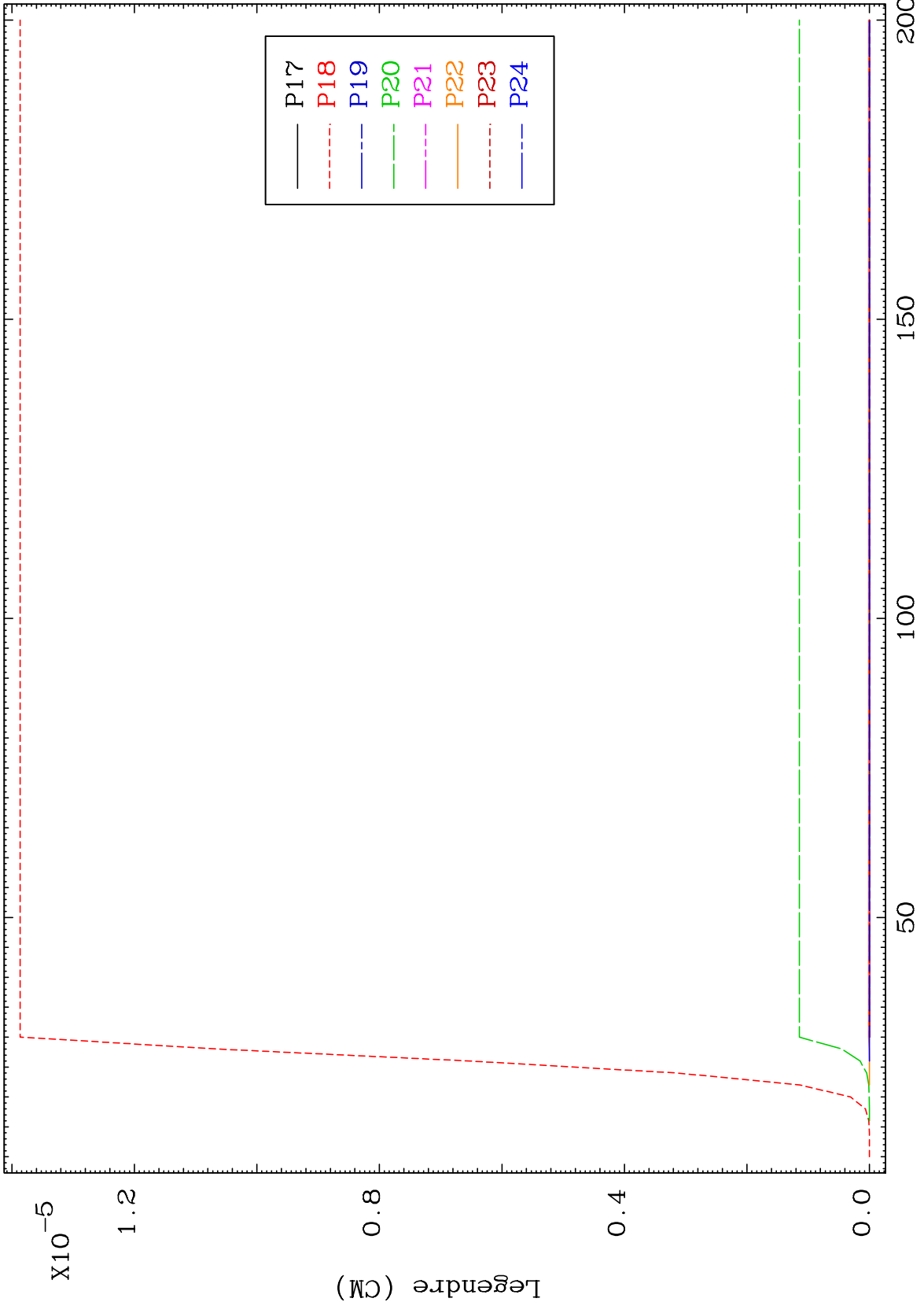
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



23

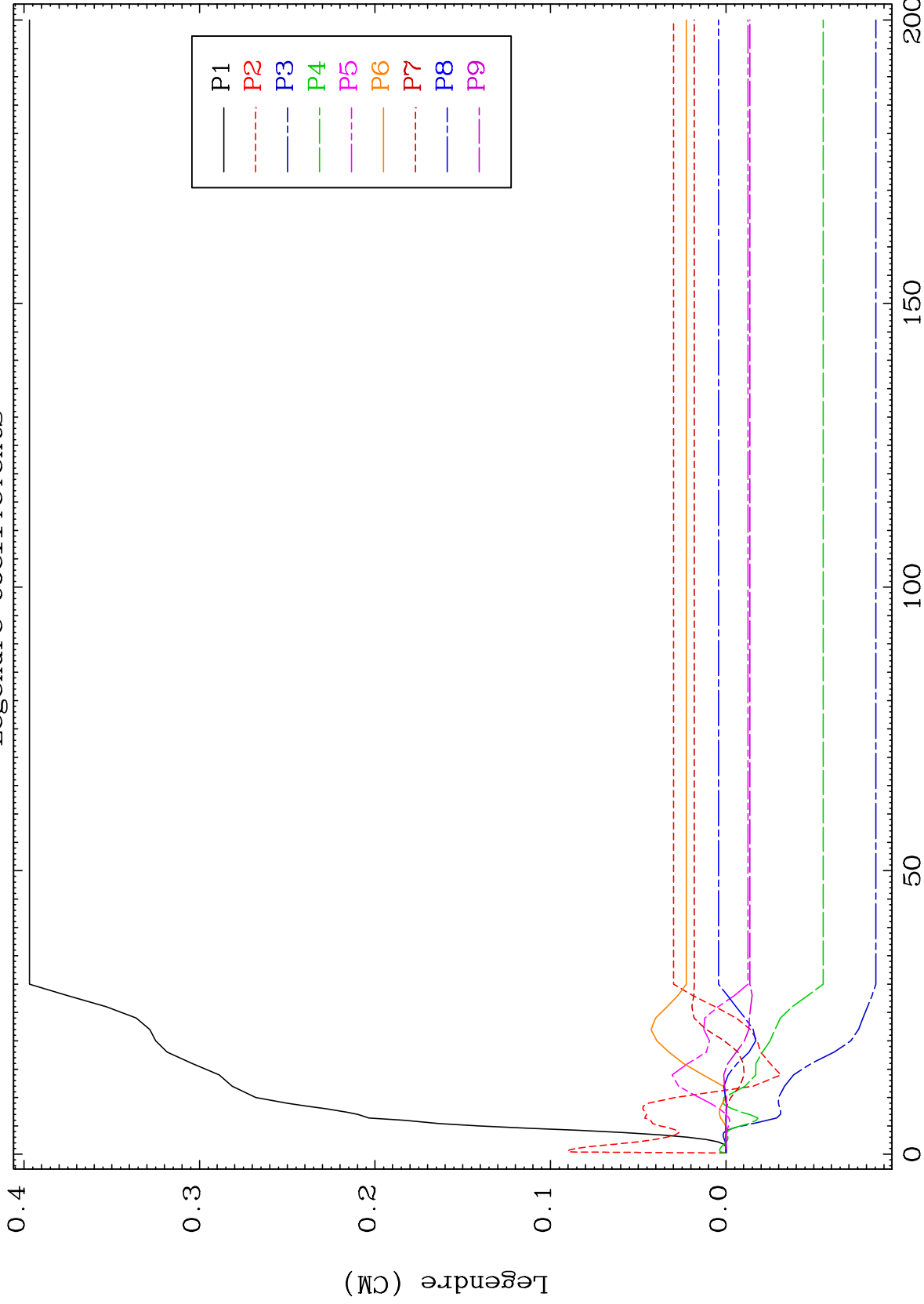
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152

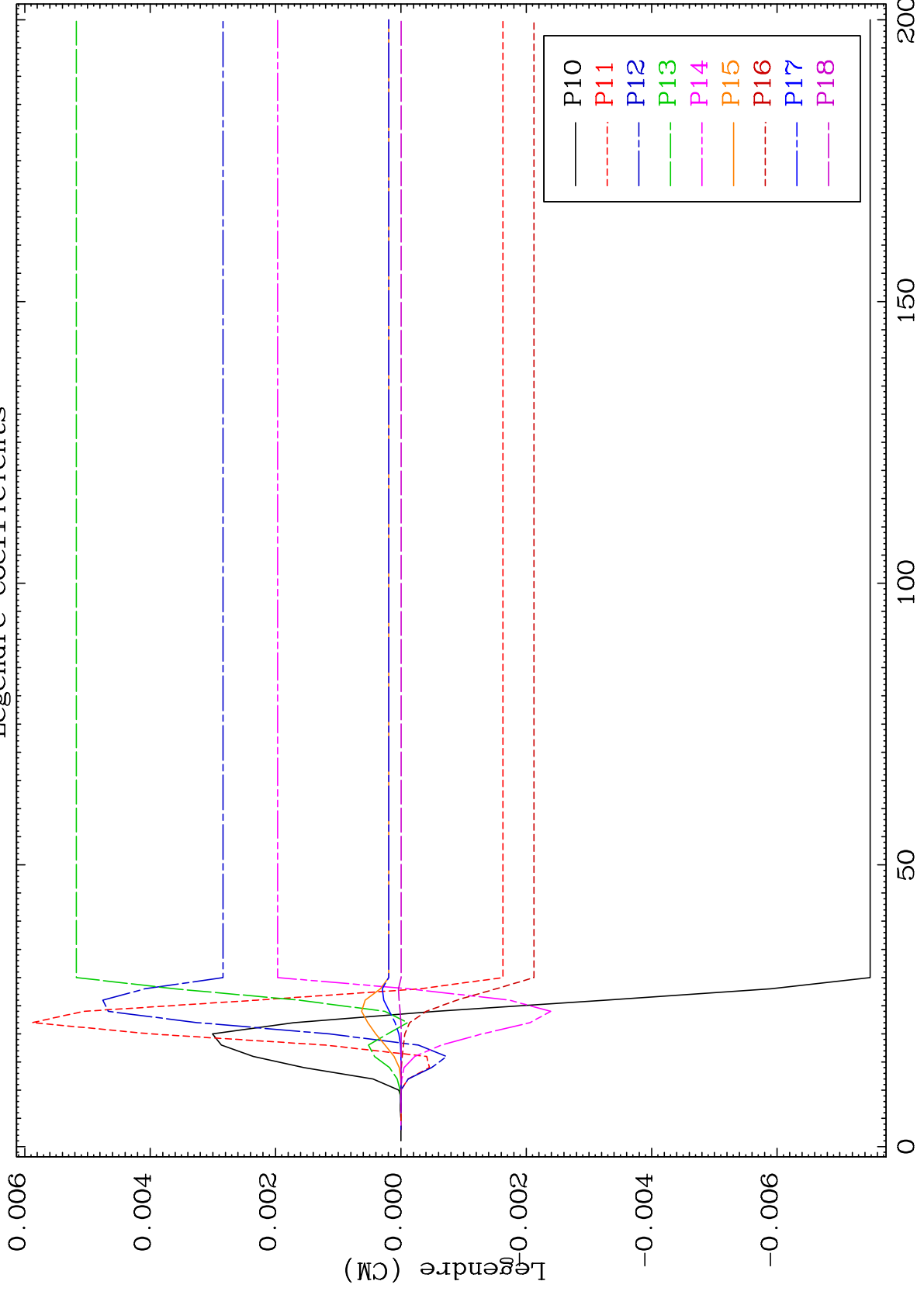


24

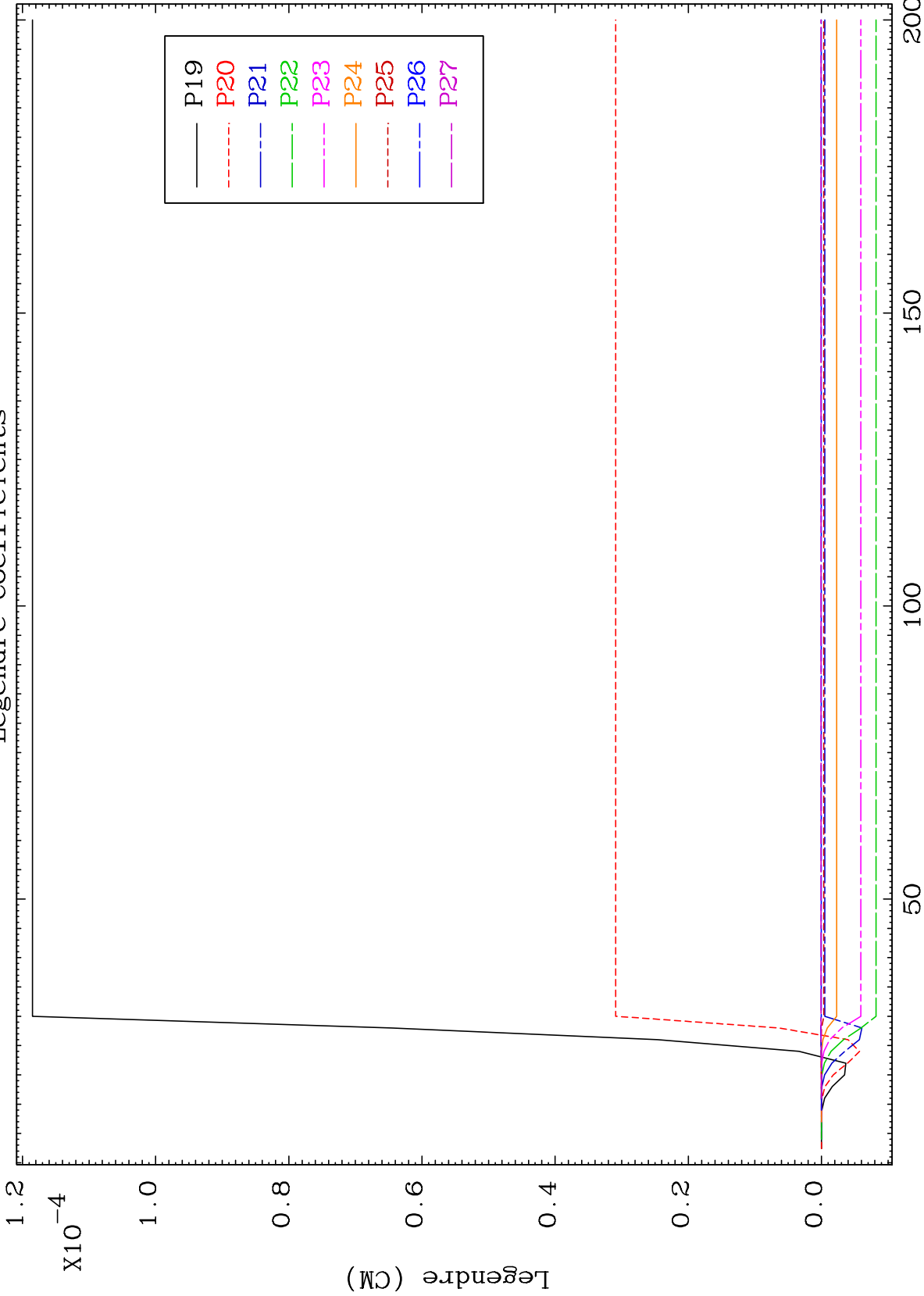
Incident Energy (MeV)

67-Ho-152

MAT 6686 MT= 53 (n,n') Level Legendre Coefficients 67-Ho-152



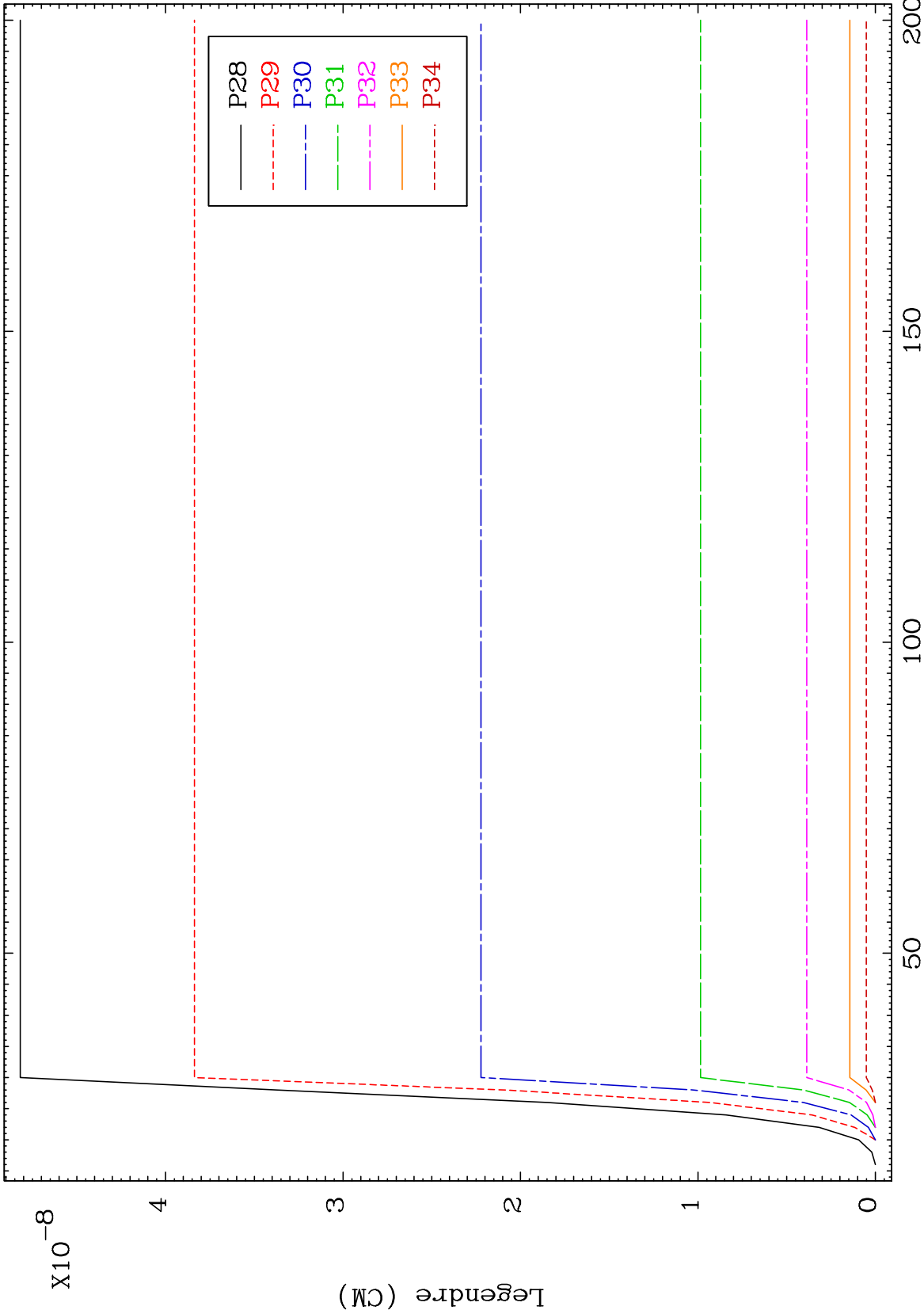
25 Incident Energy (MeV) 67-Ho-152



MAT 6686

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

67-Ho-152



27

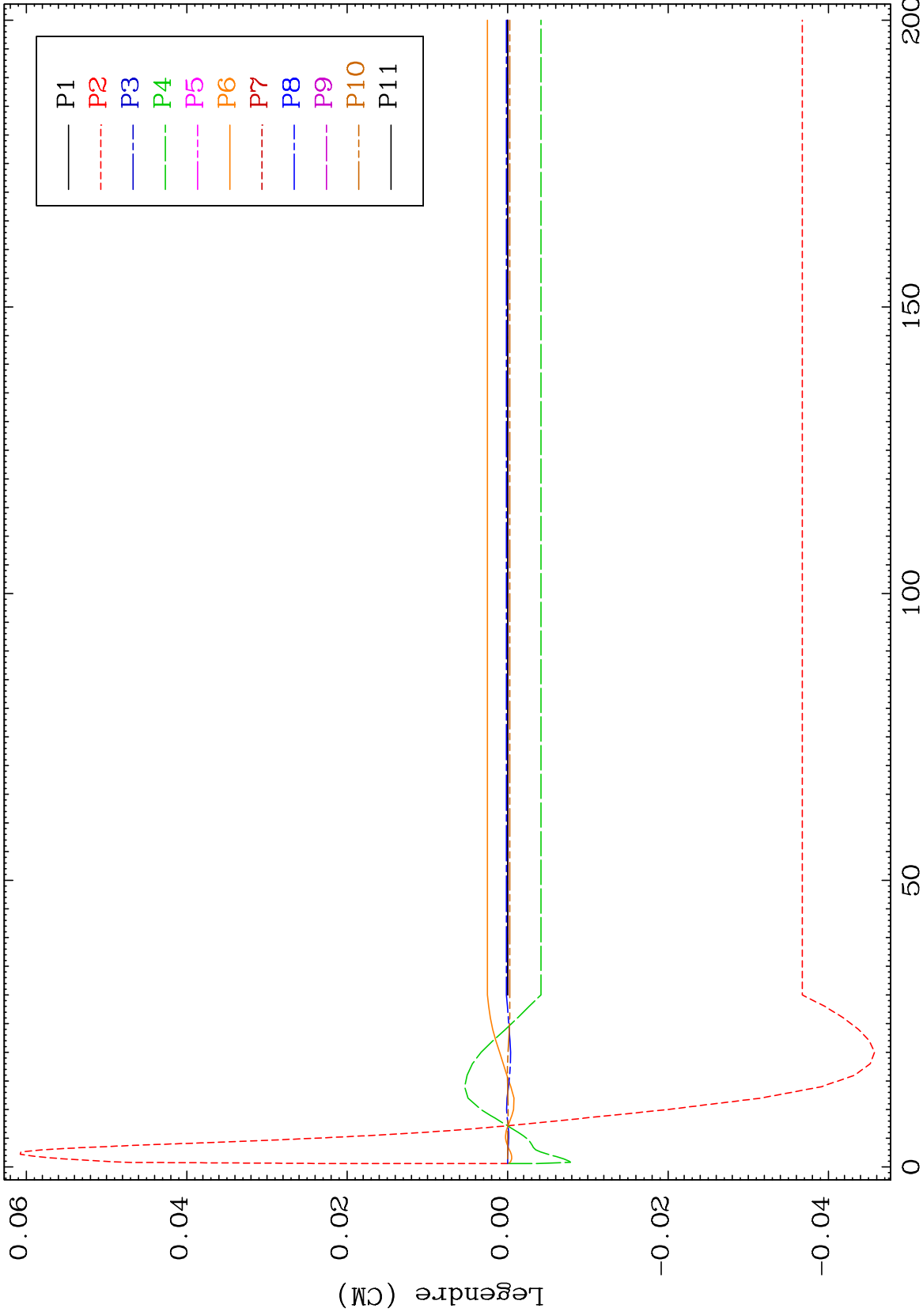
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



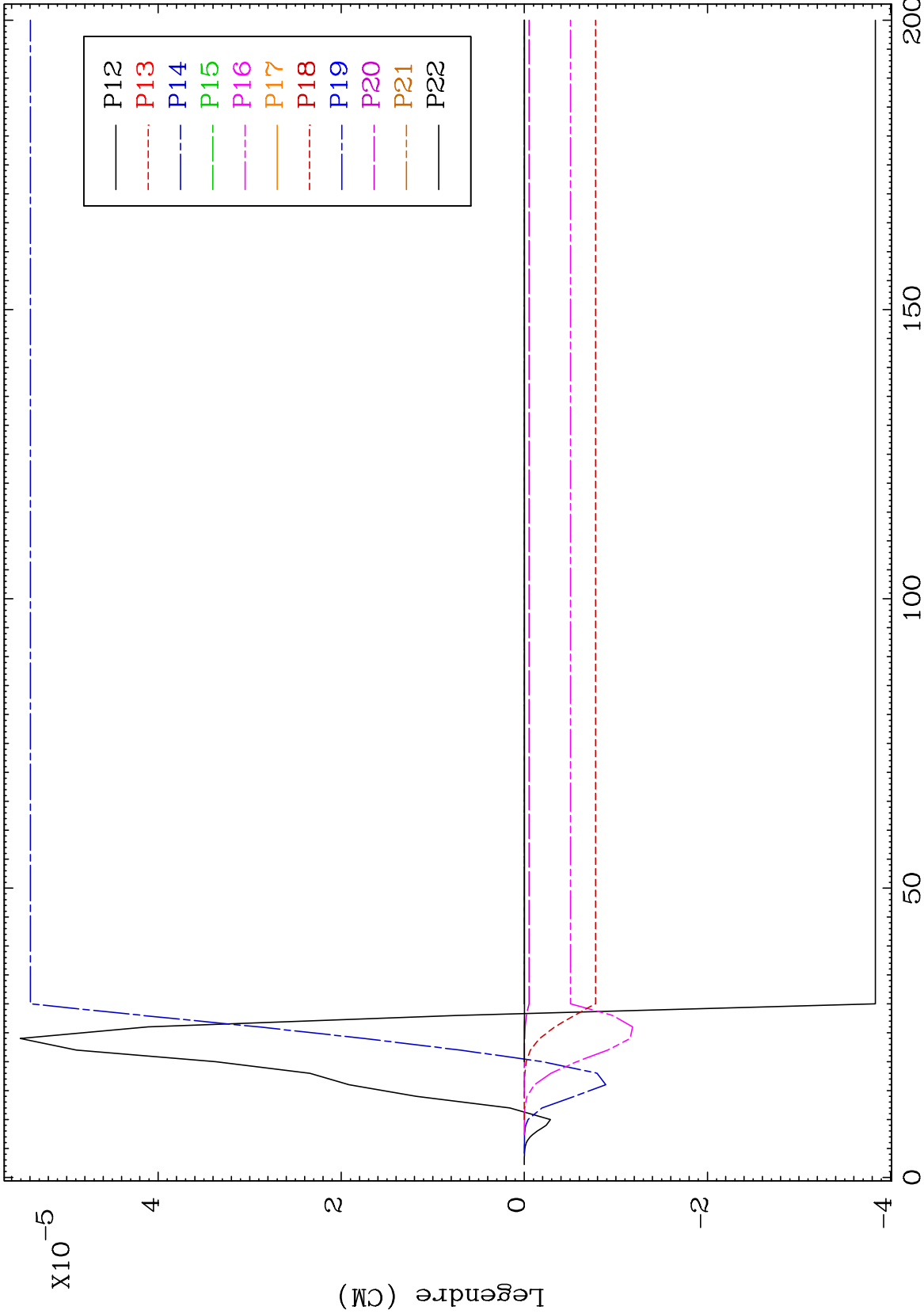
28

67-Ho-152

MAT 6686

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

67-Ho-152



29

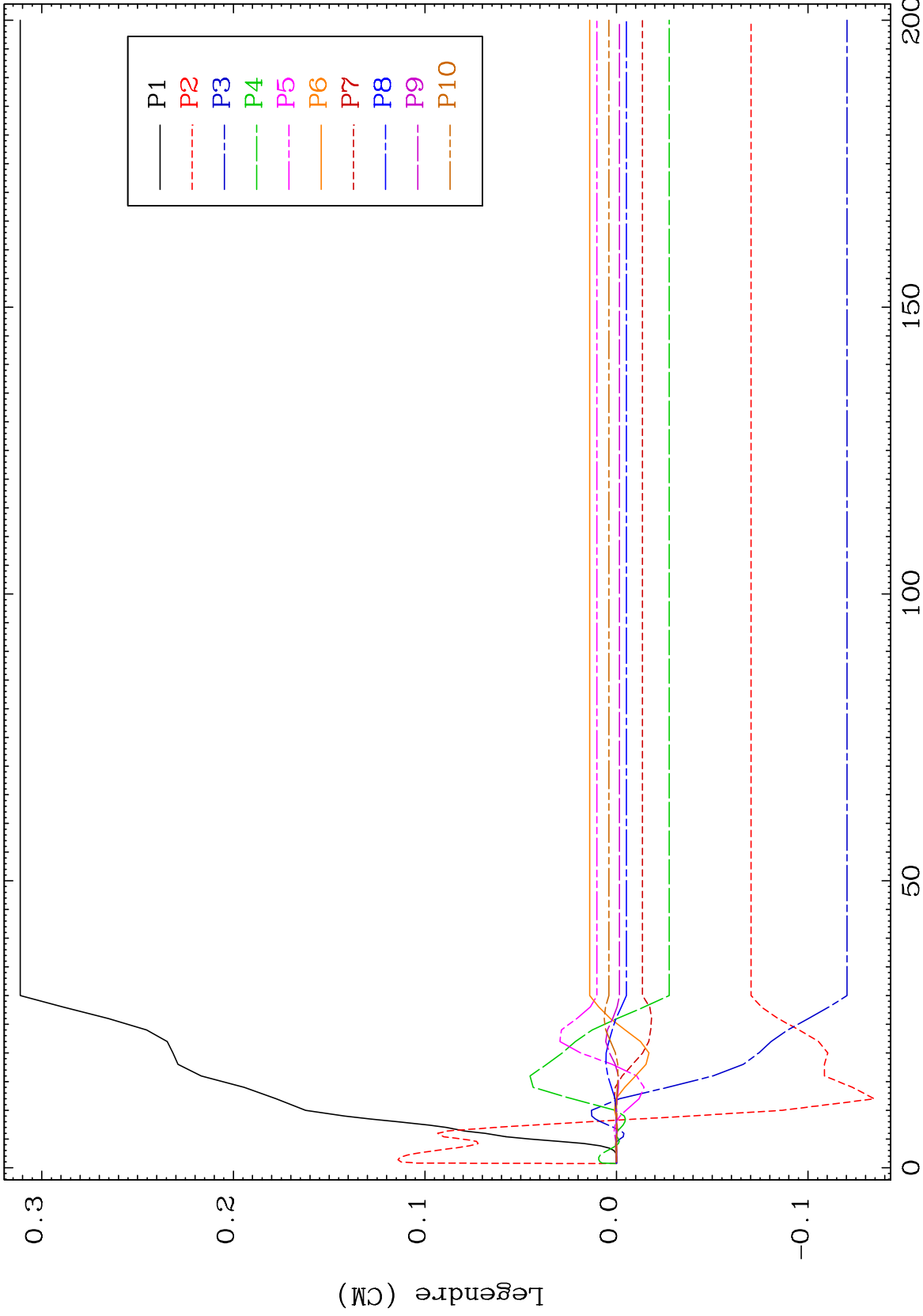
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



67-Ho-152

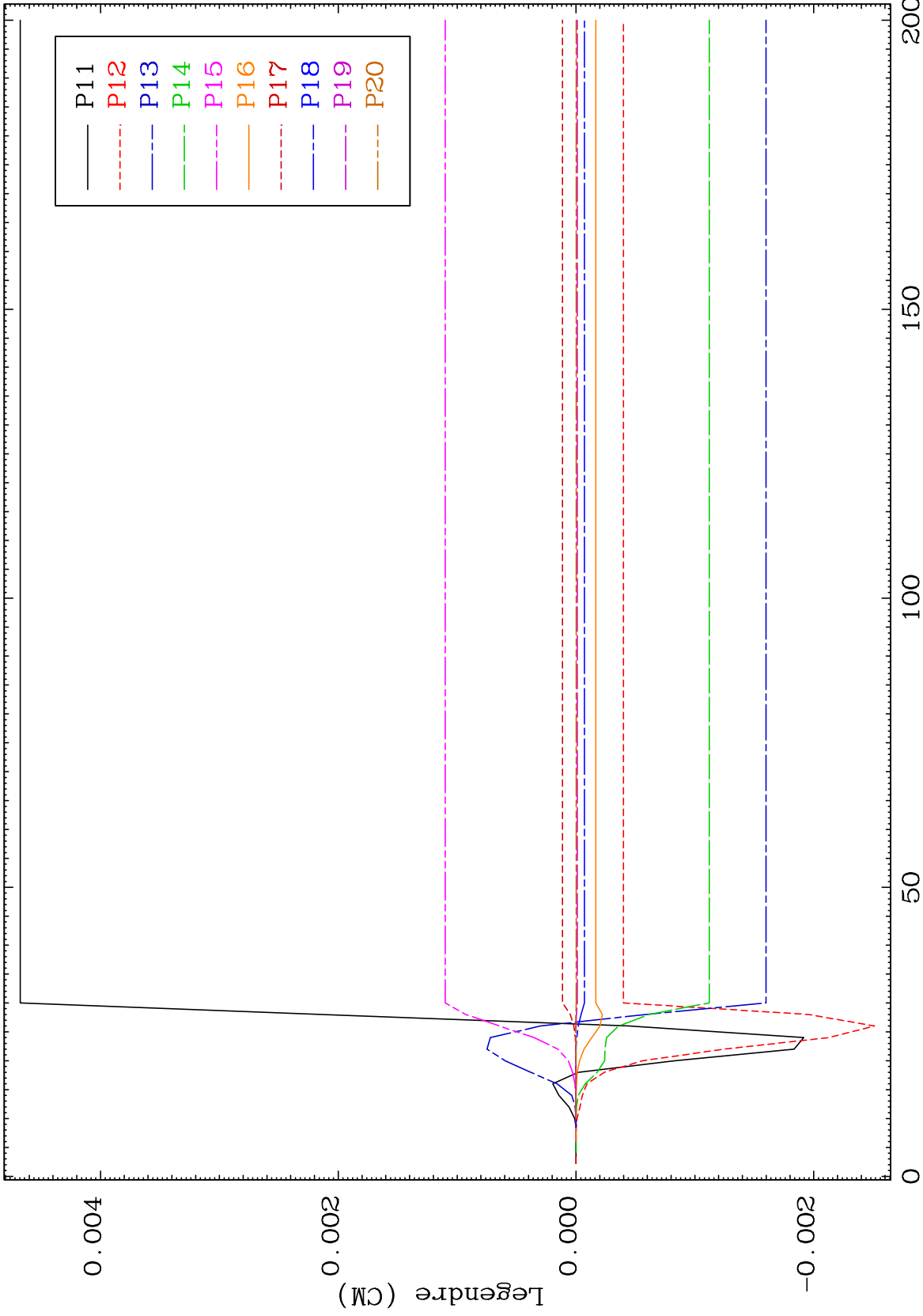
Incident Energy (MeV)

30

MAT 6686

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

67-Ho-152



31

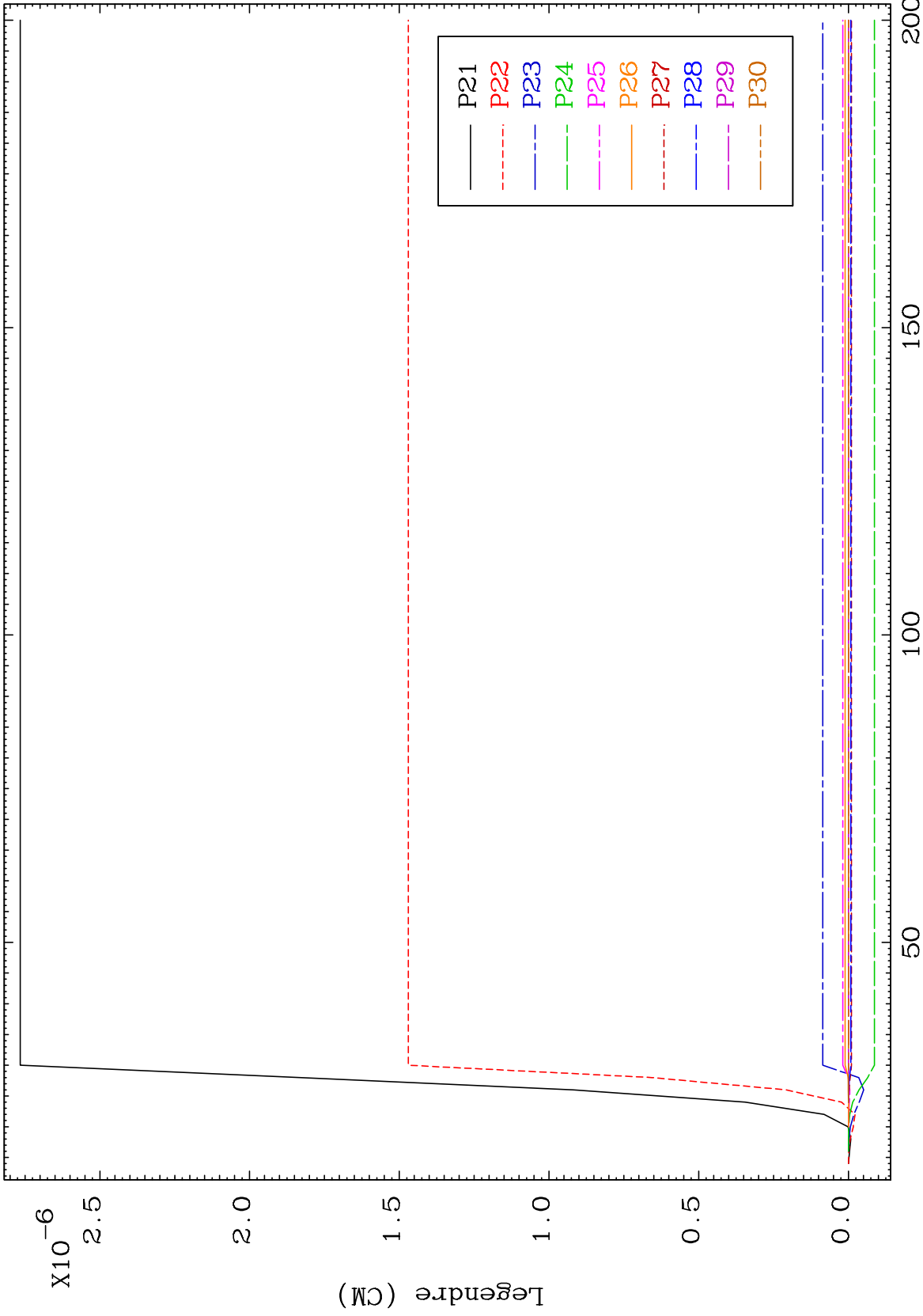
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



32

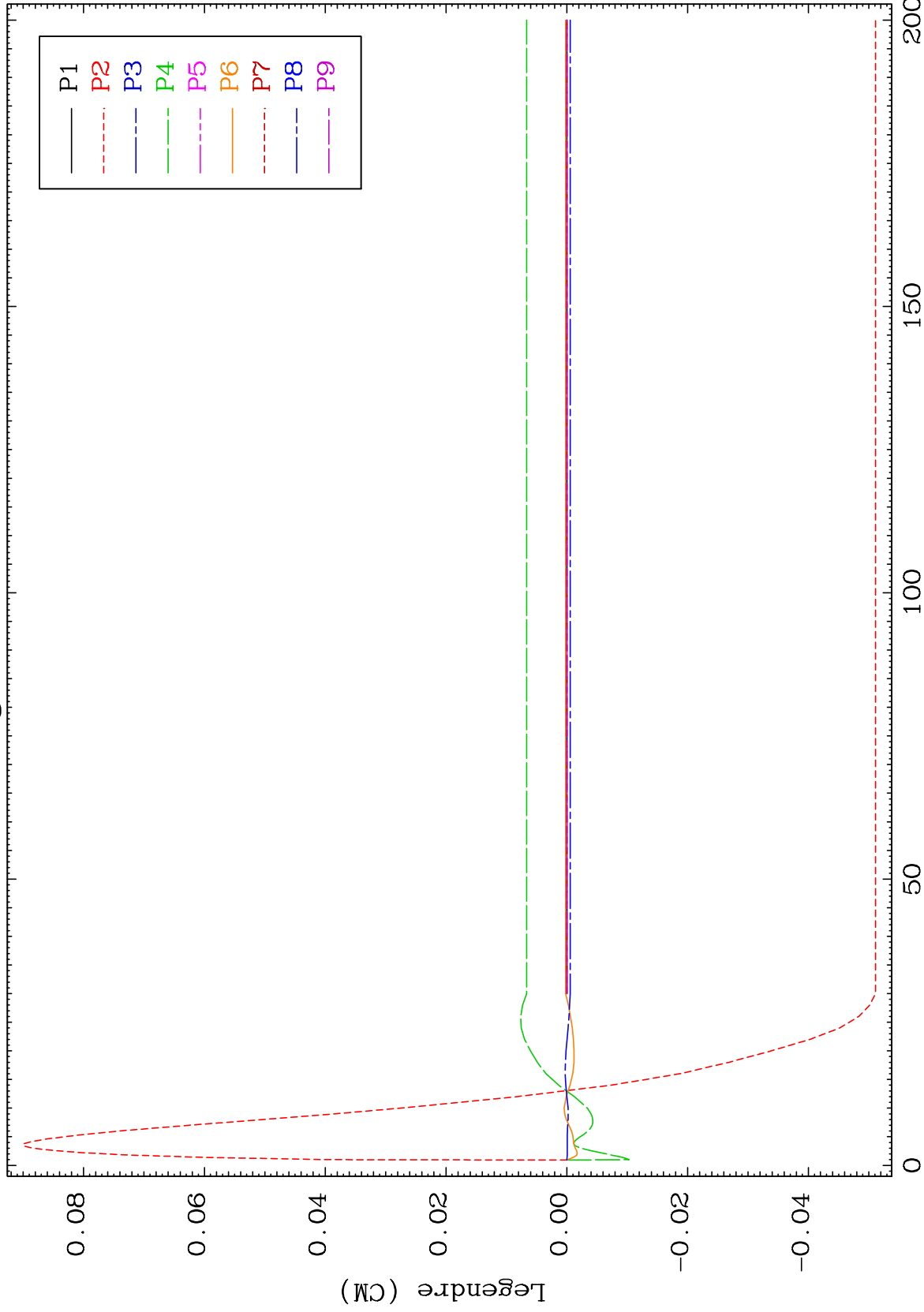
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



33

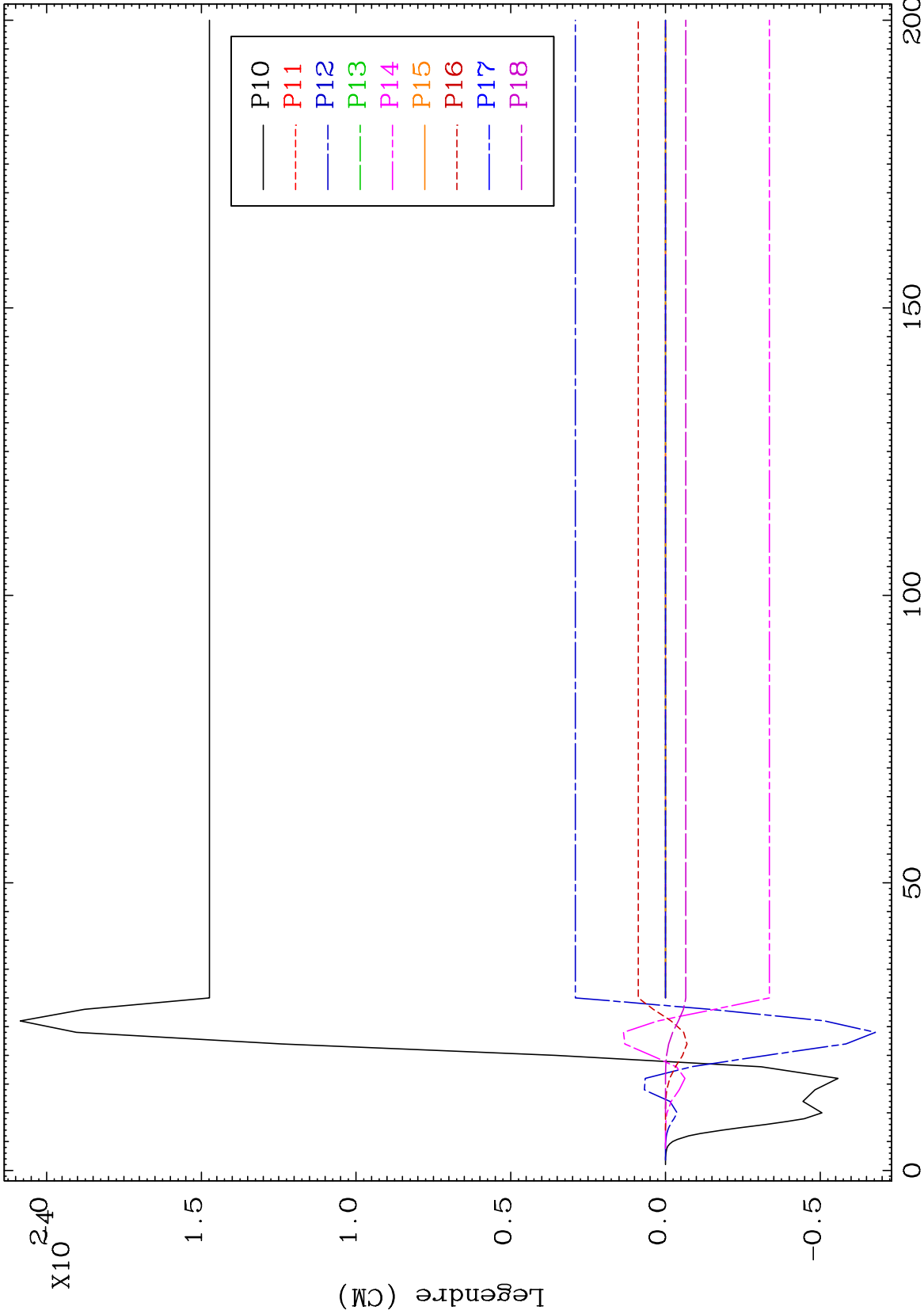
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



34

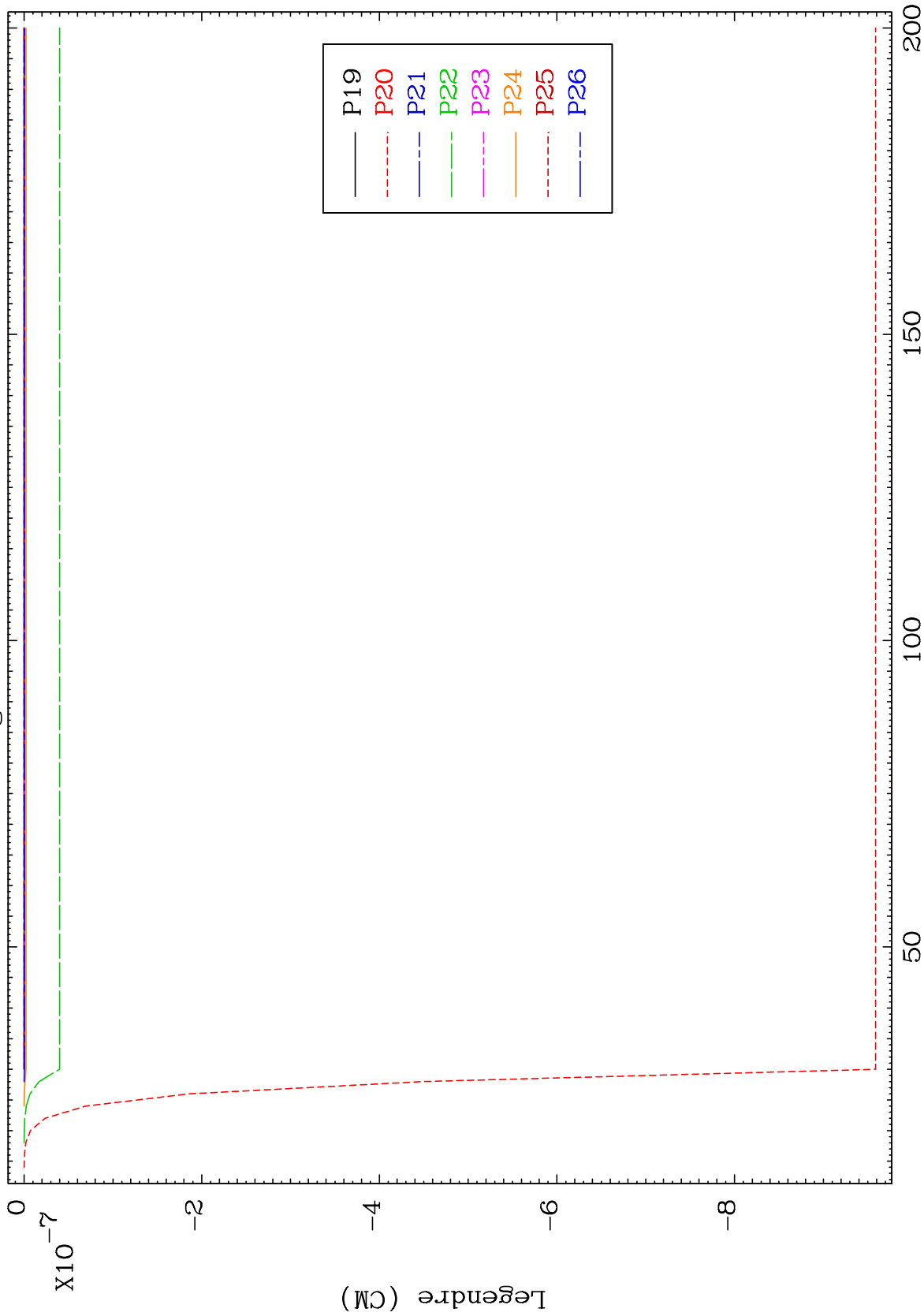
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



35

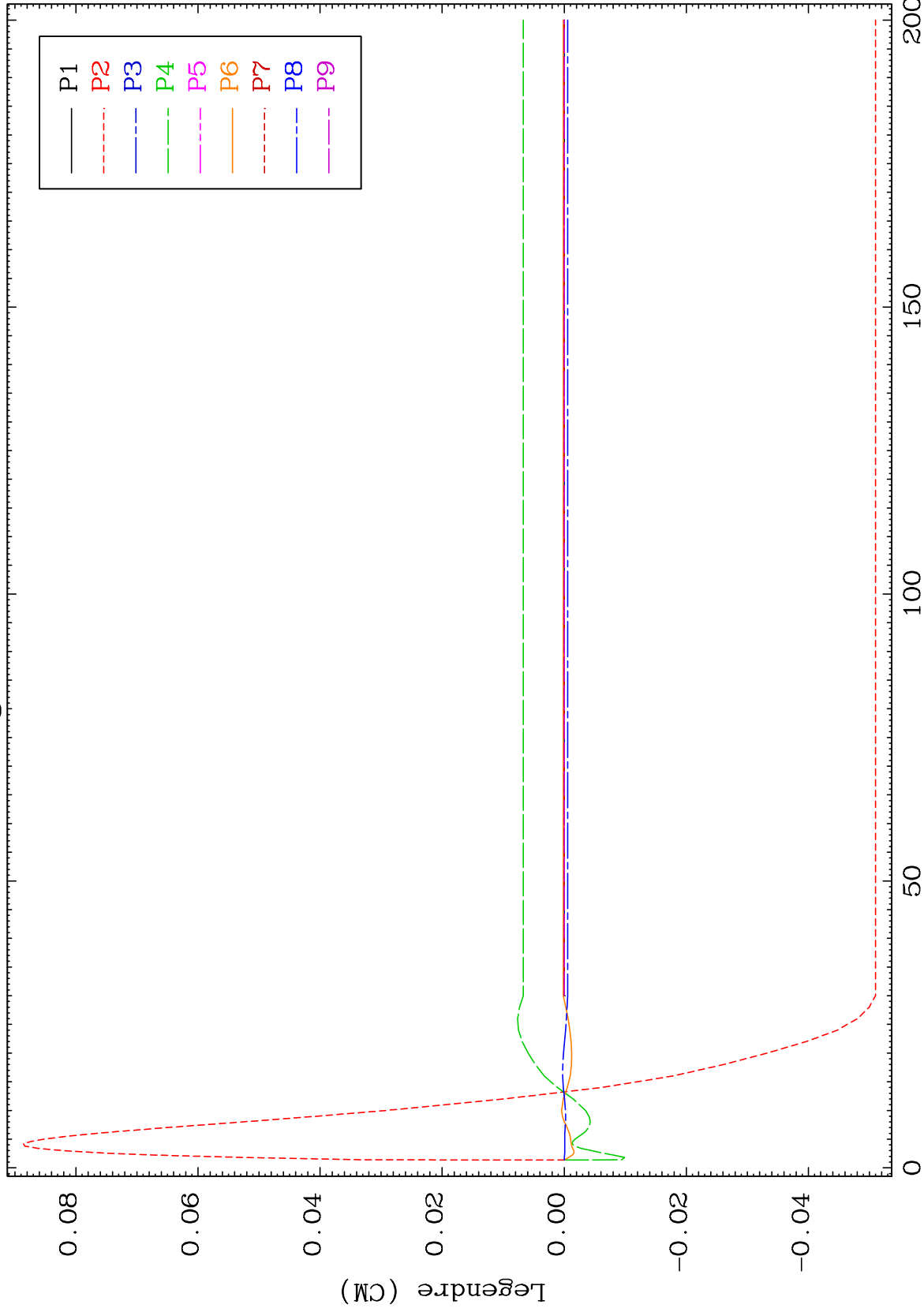
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



36

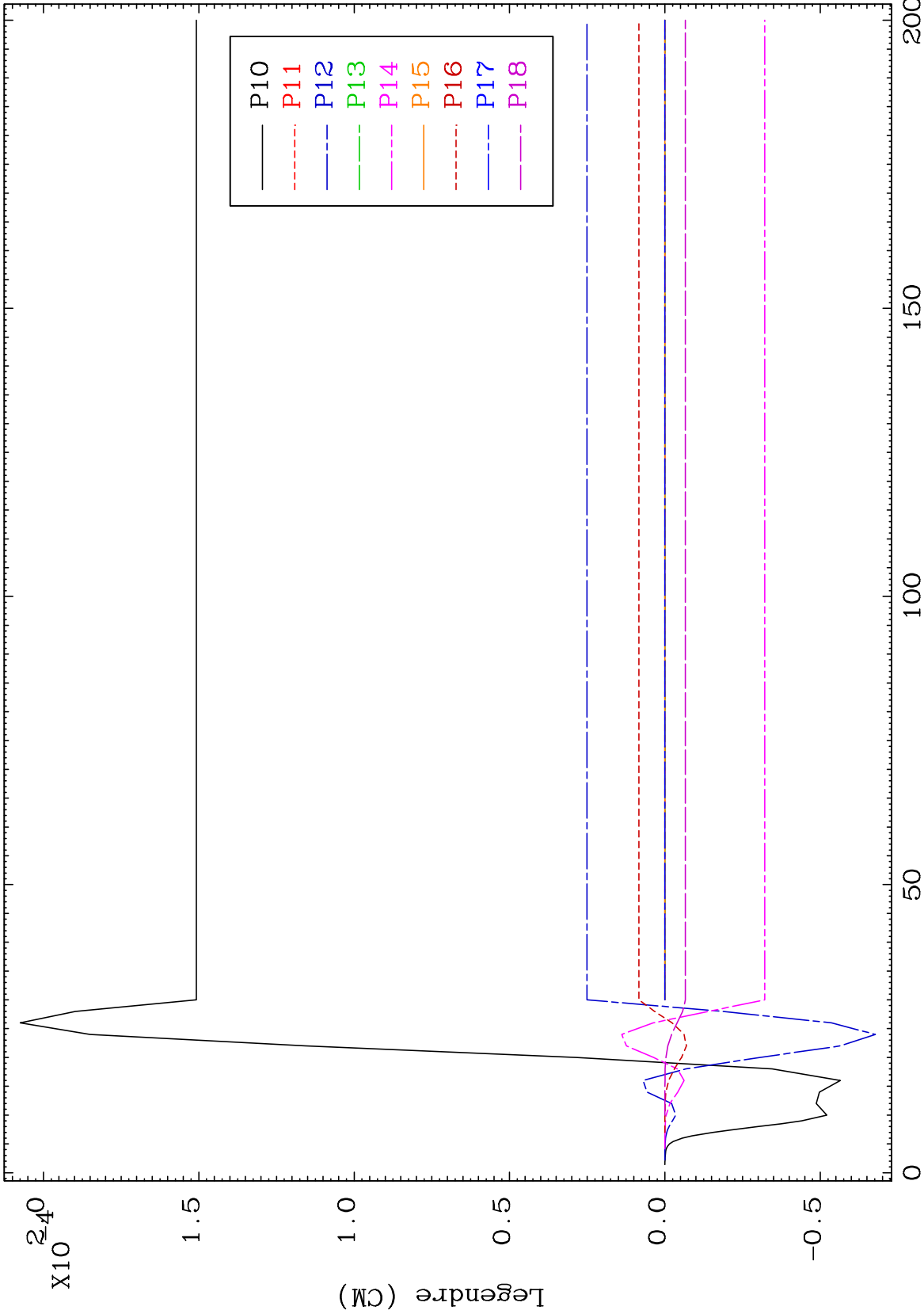
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



37

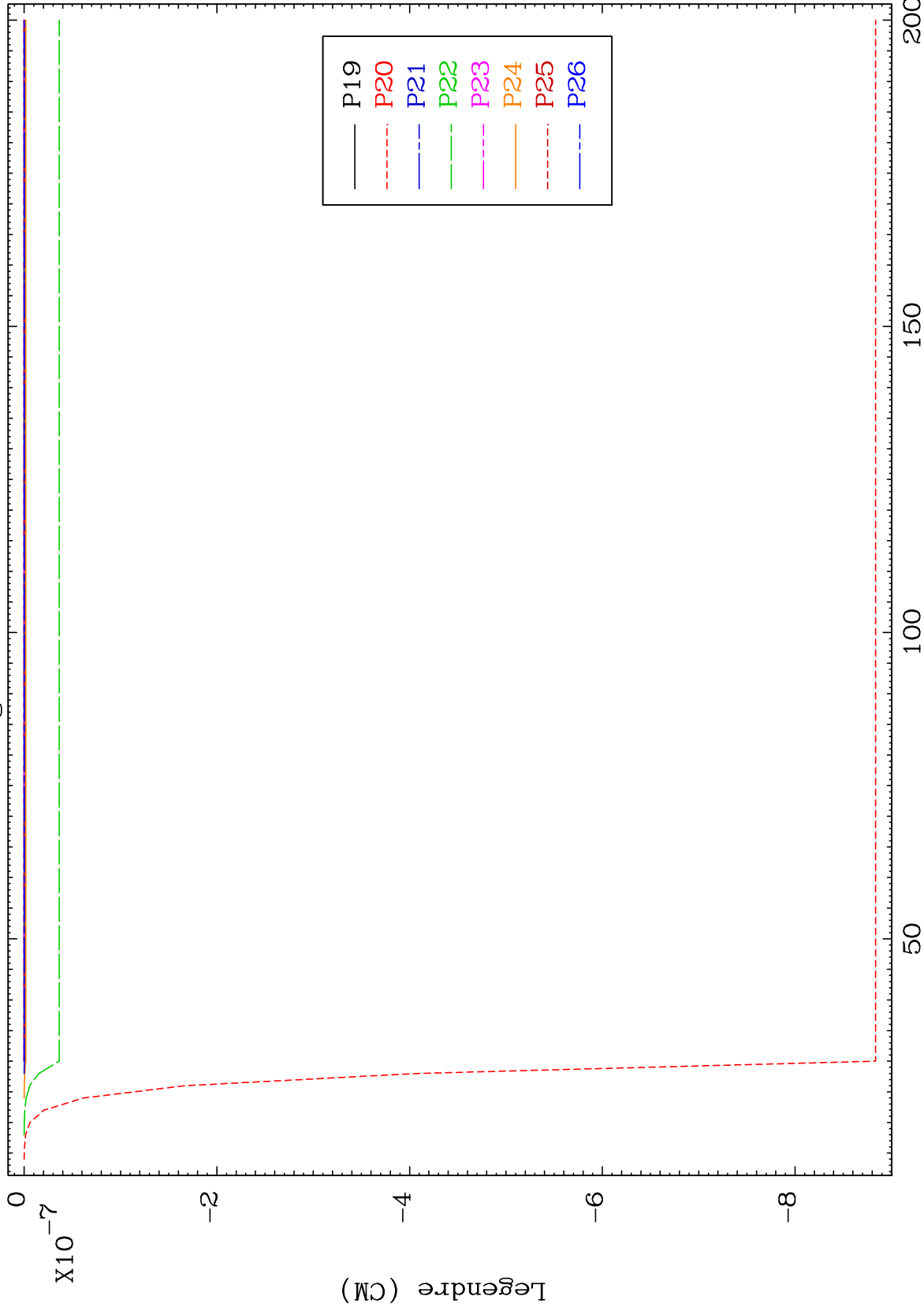
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



38

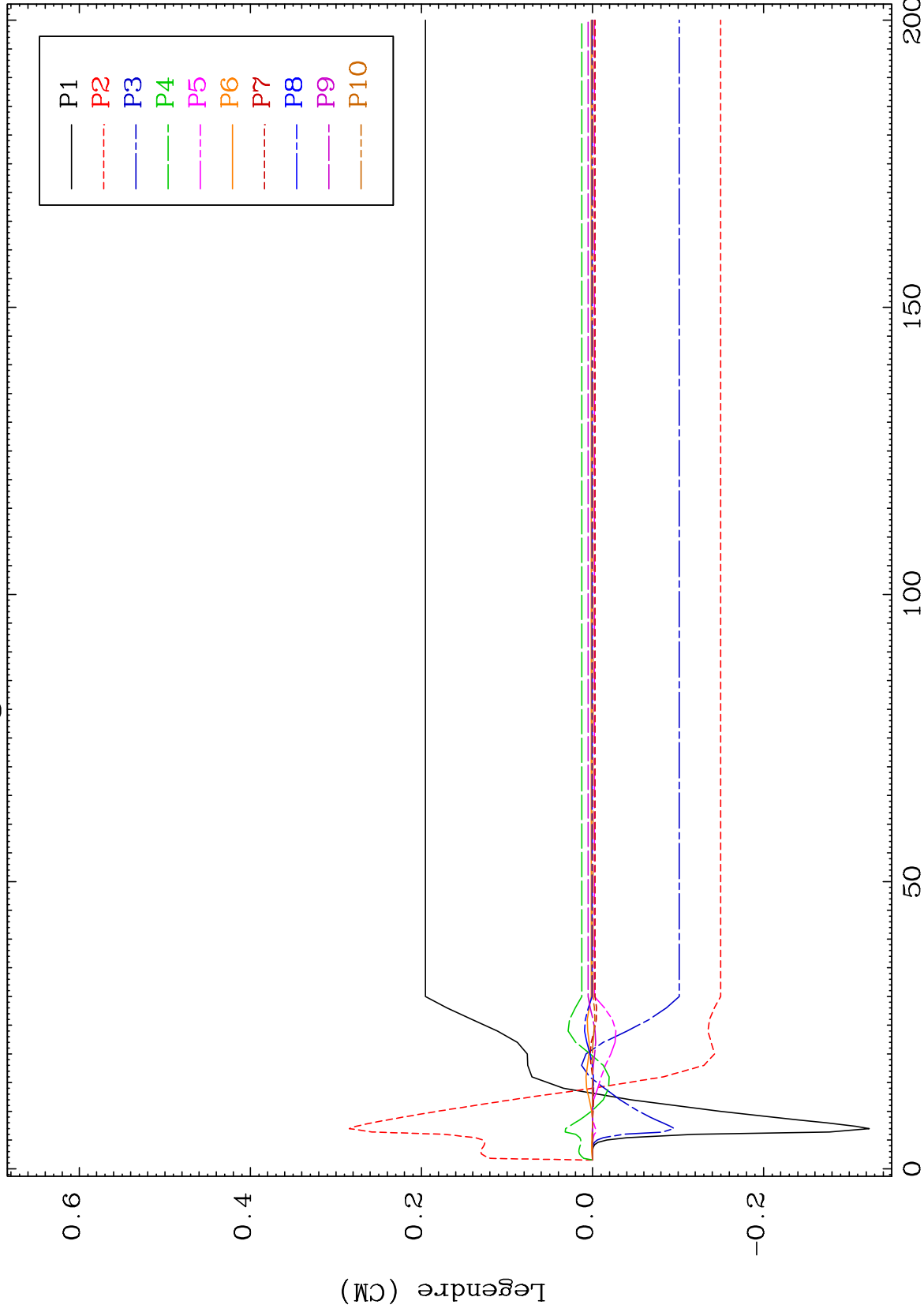
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



39

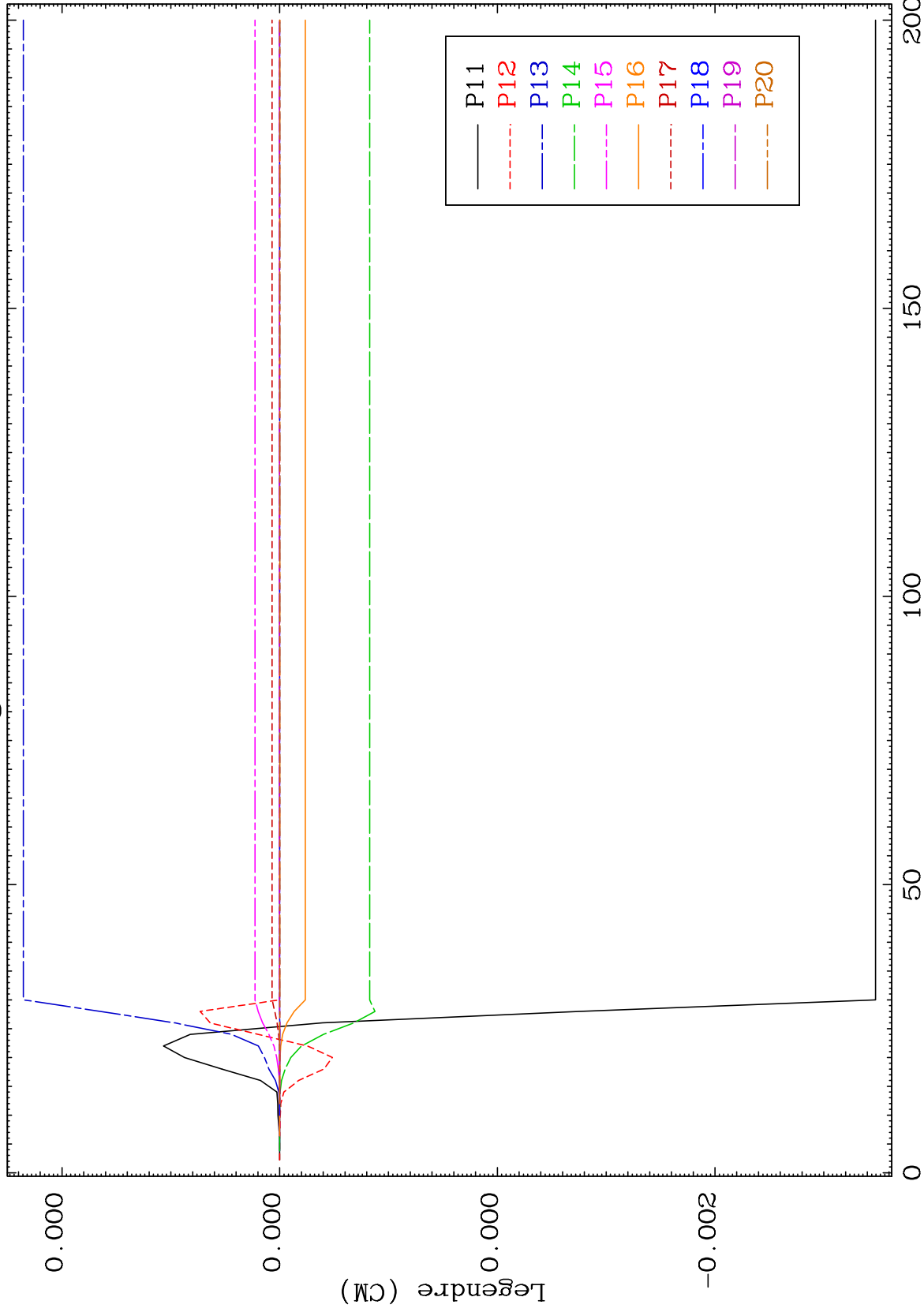
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



40

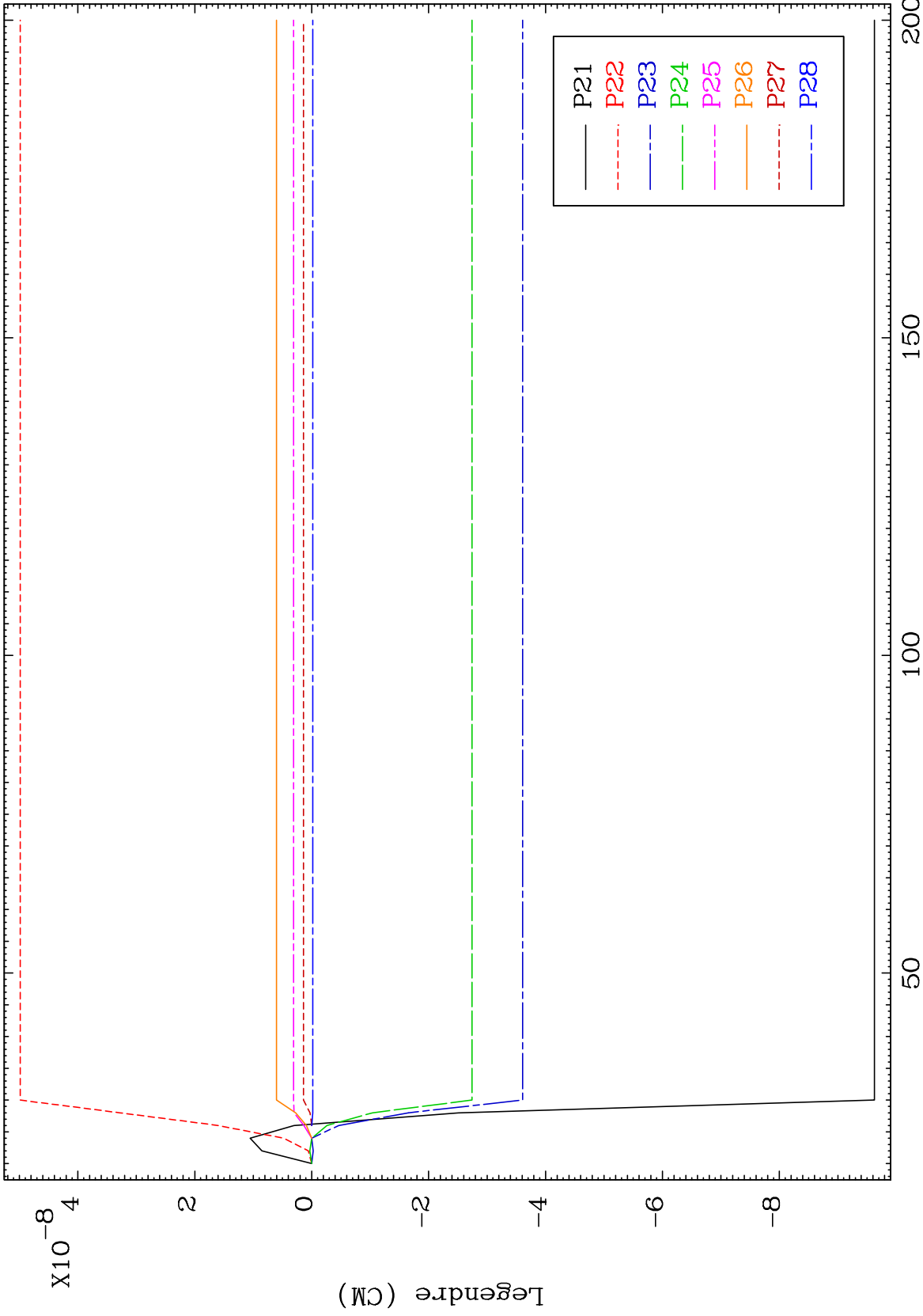
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



41

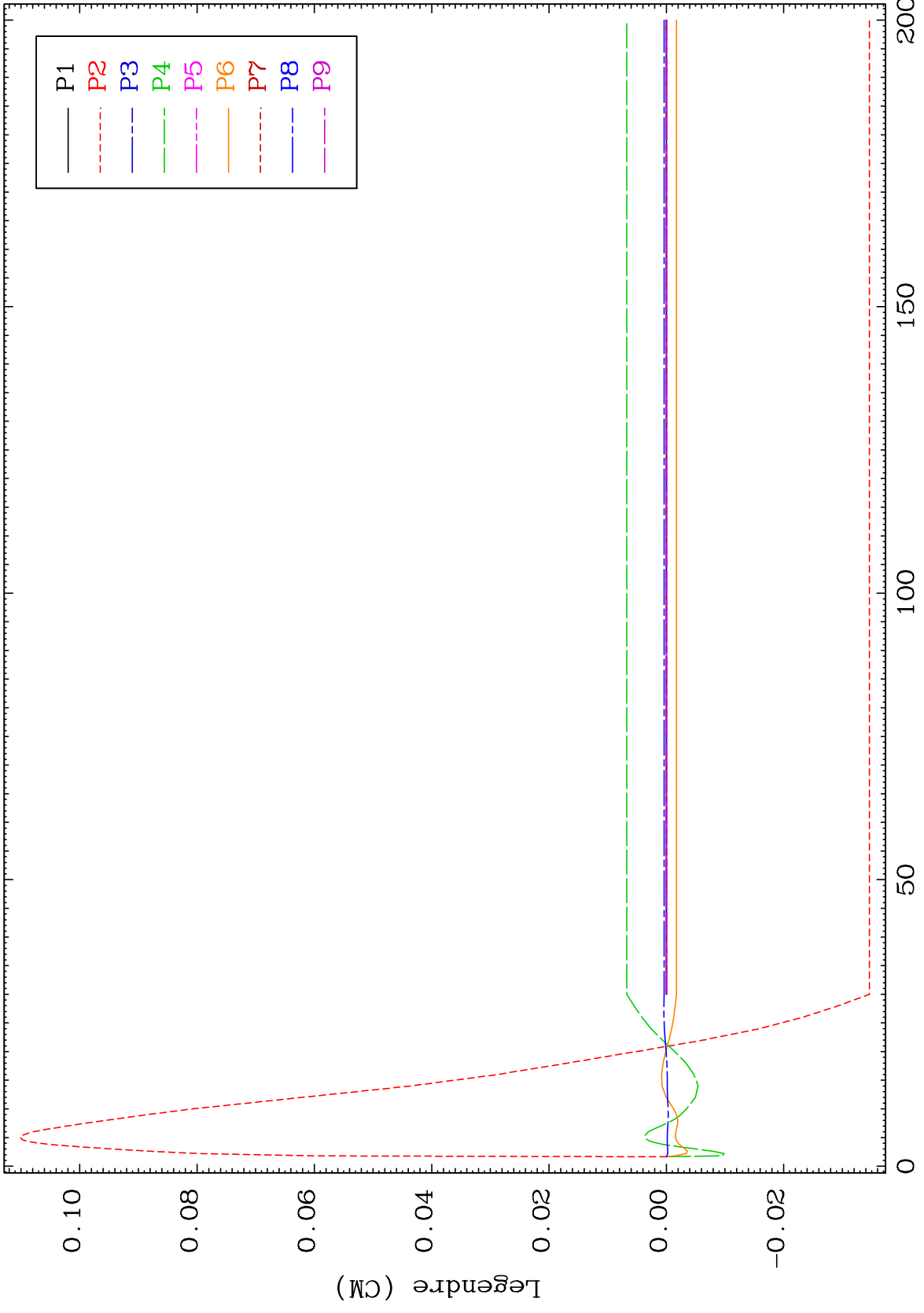
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



42

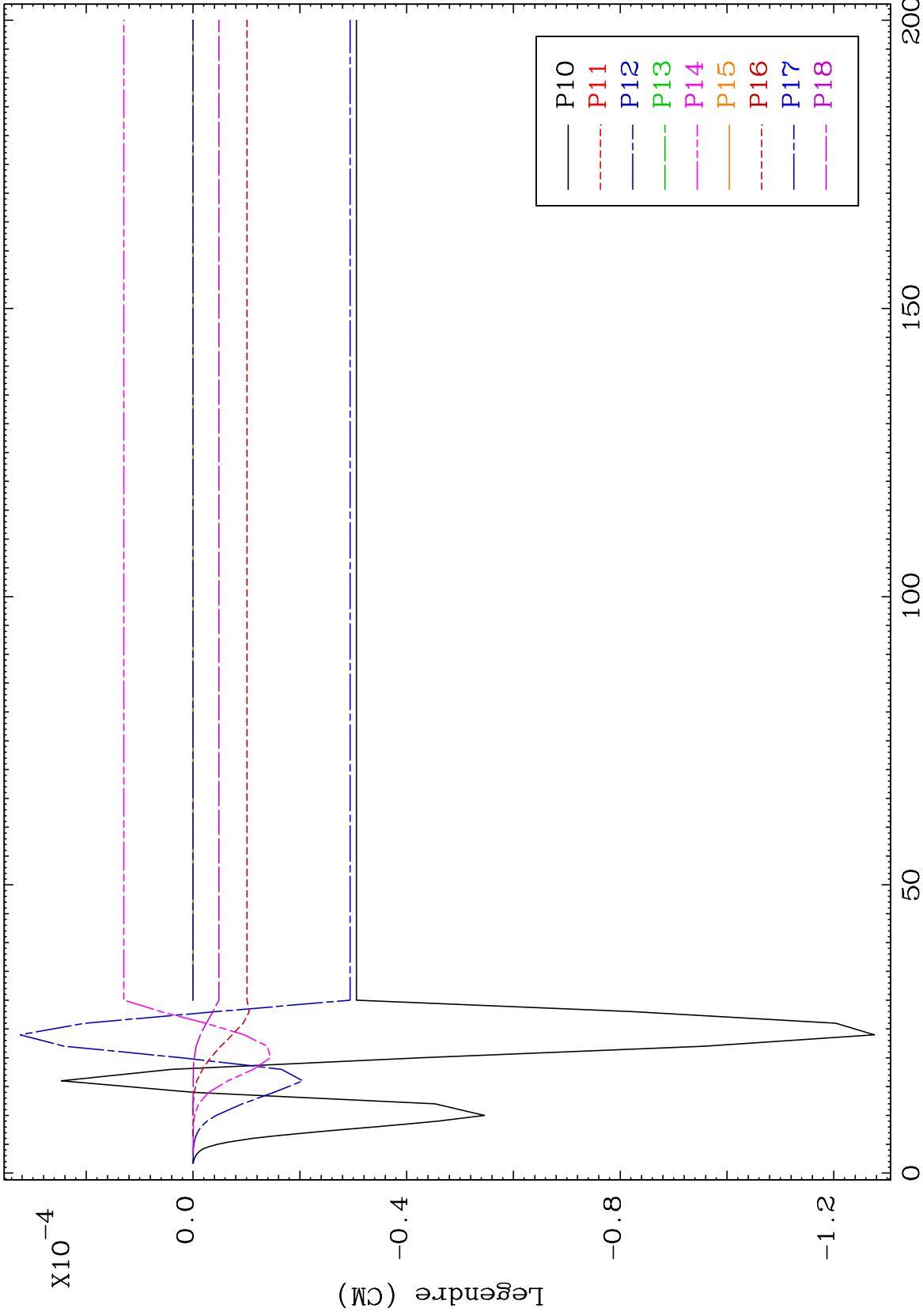
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



43

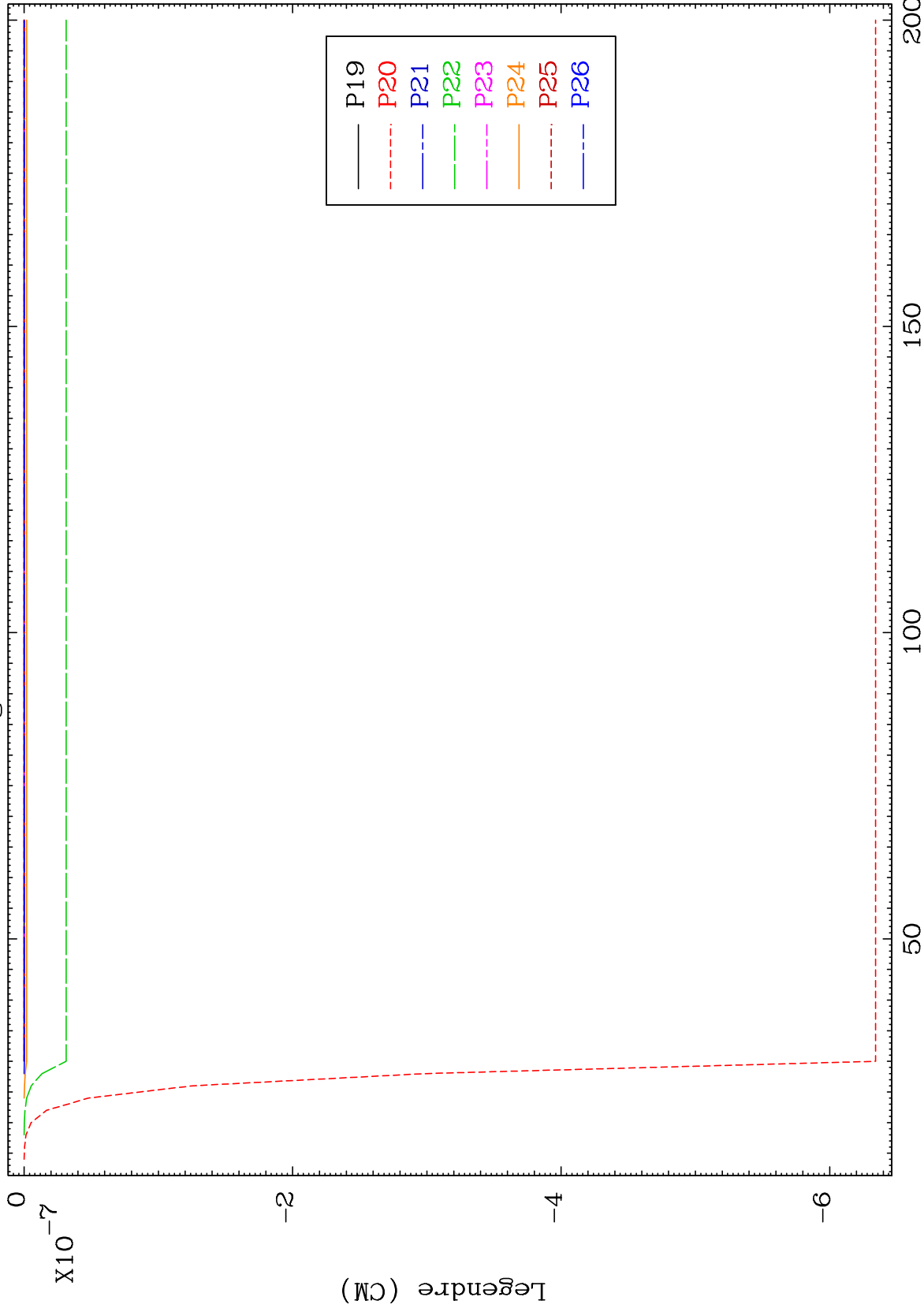
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



44

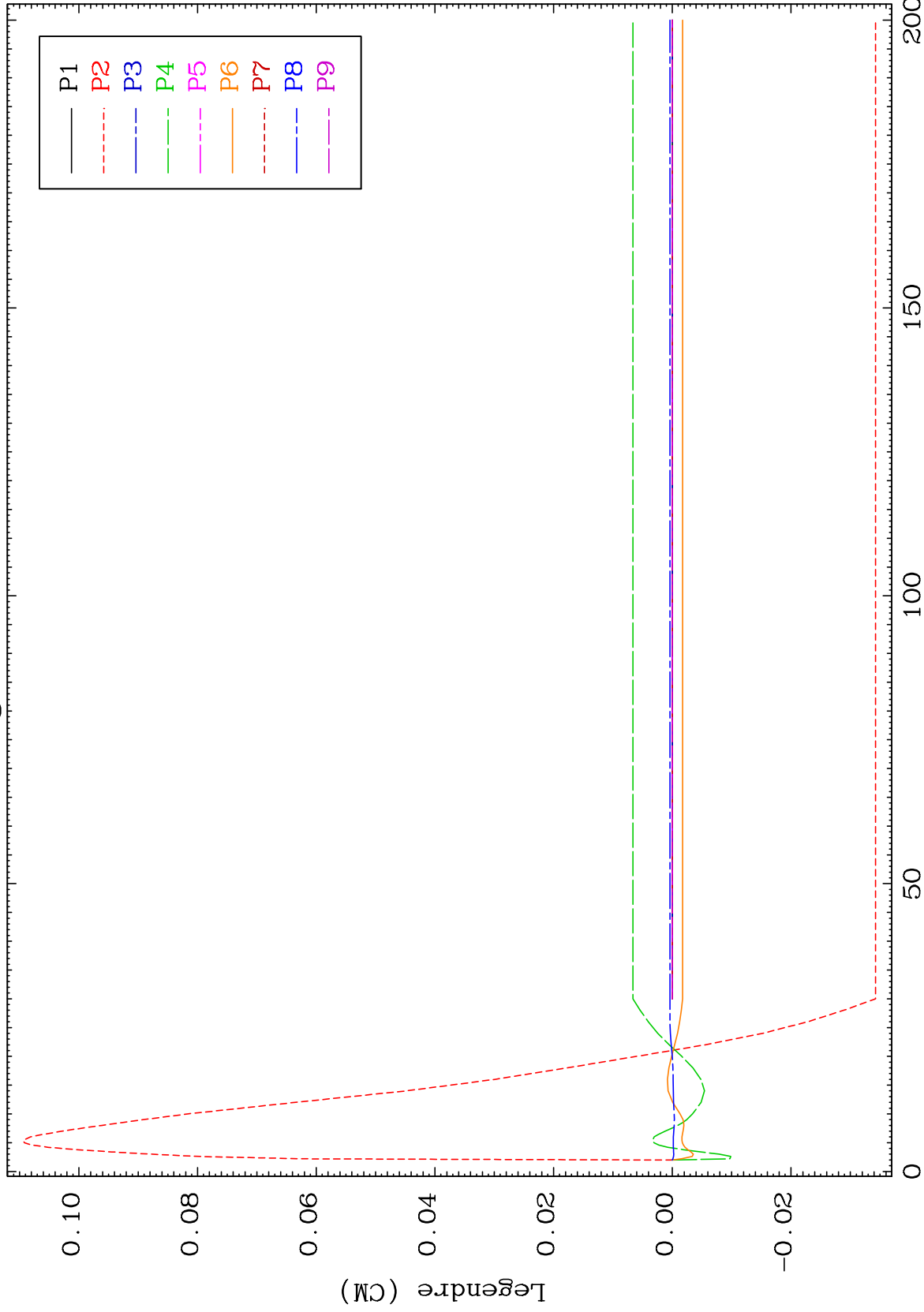
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



45

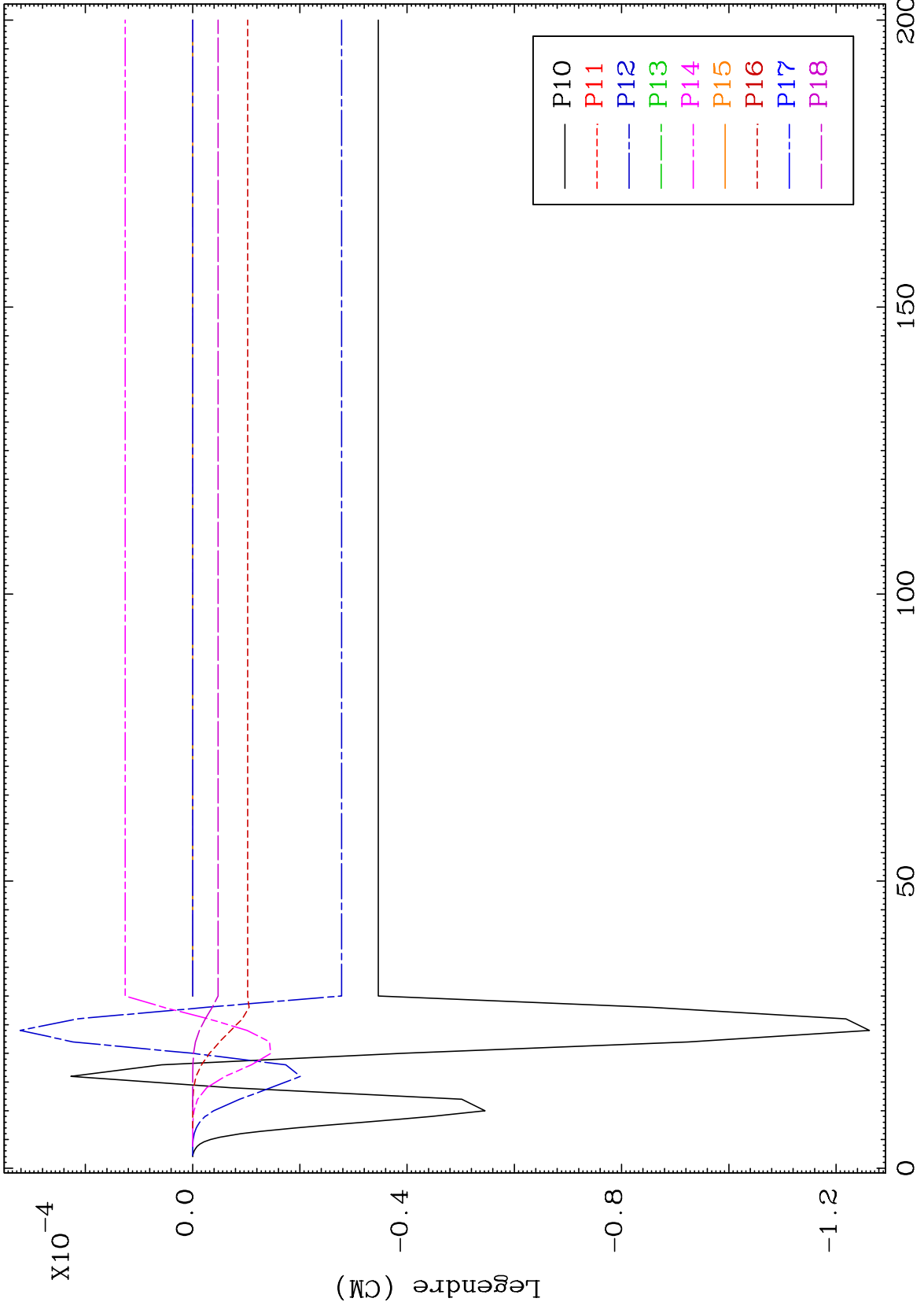
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



46

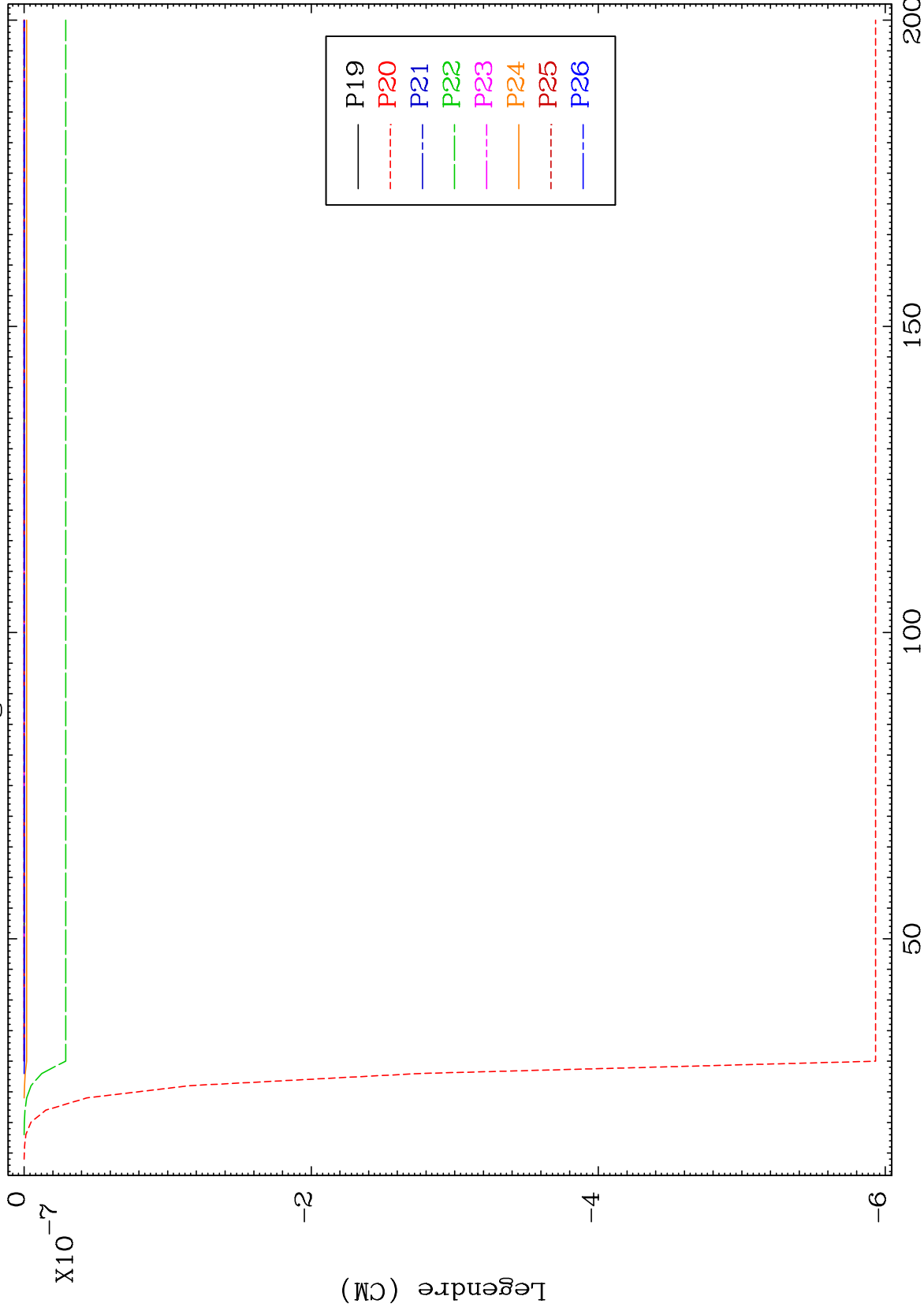
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



47

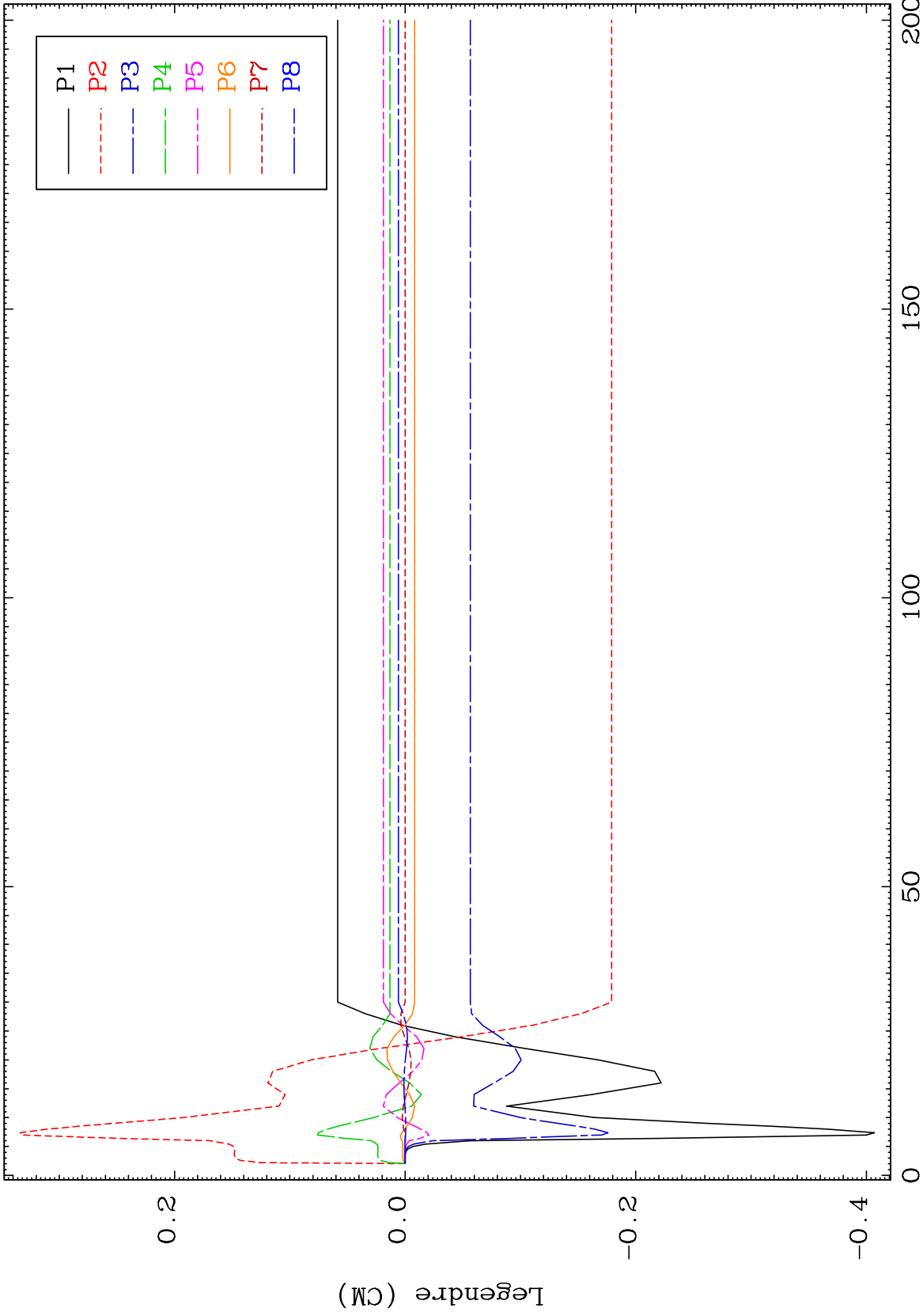
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



48

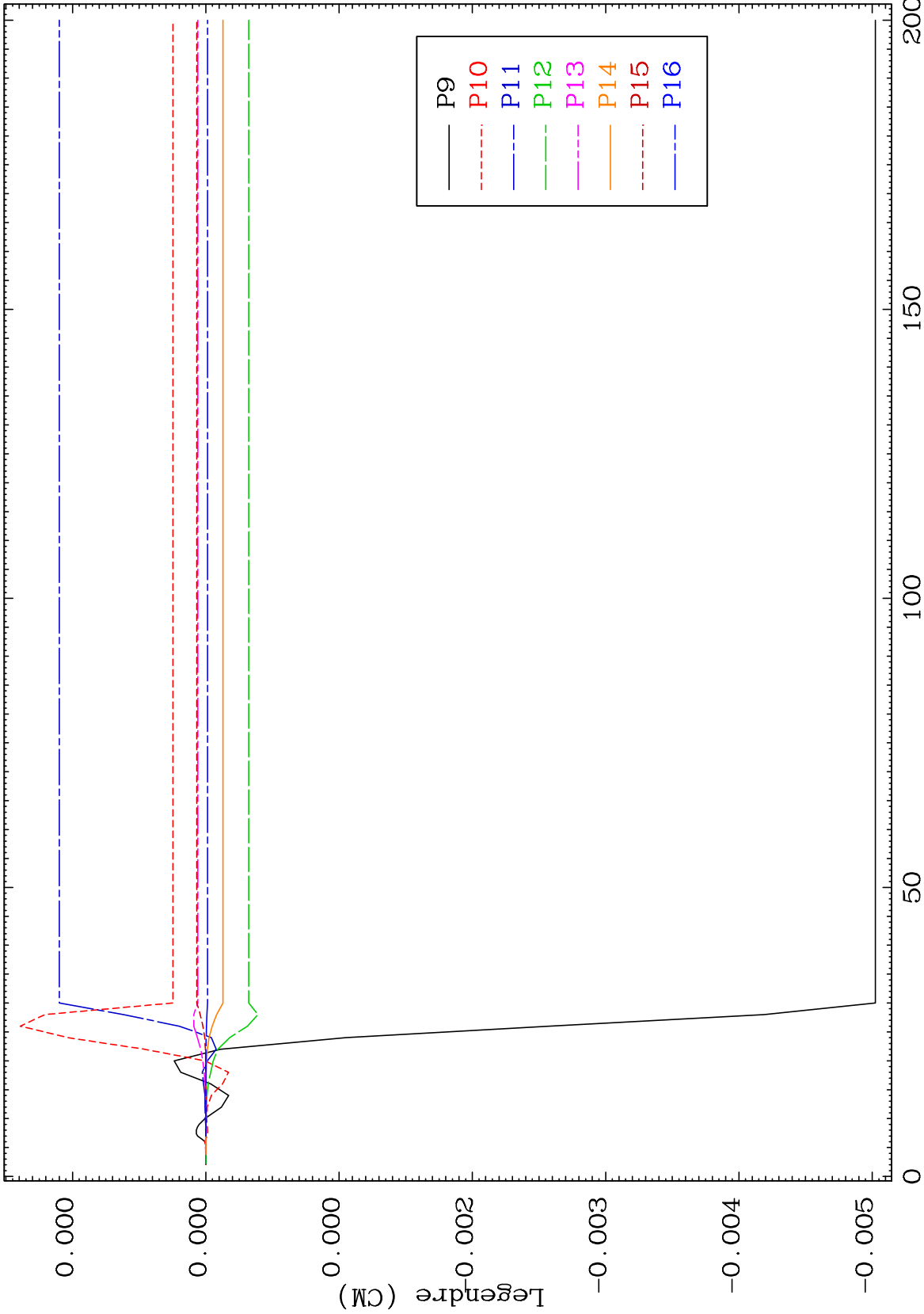
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



49

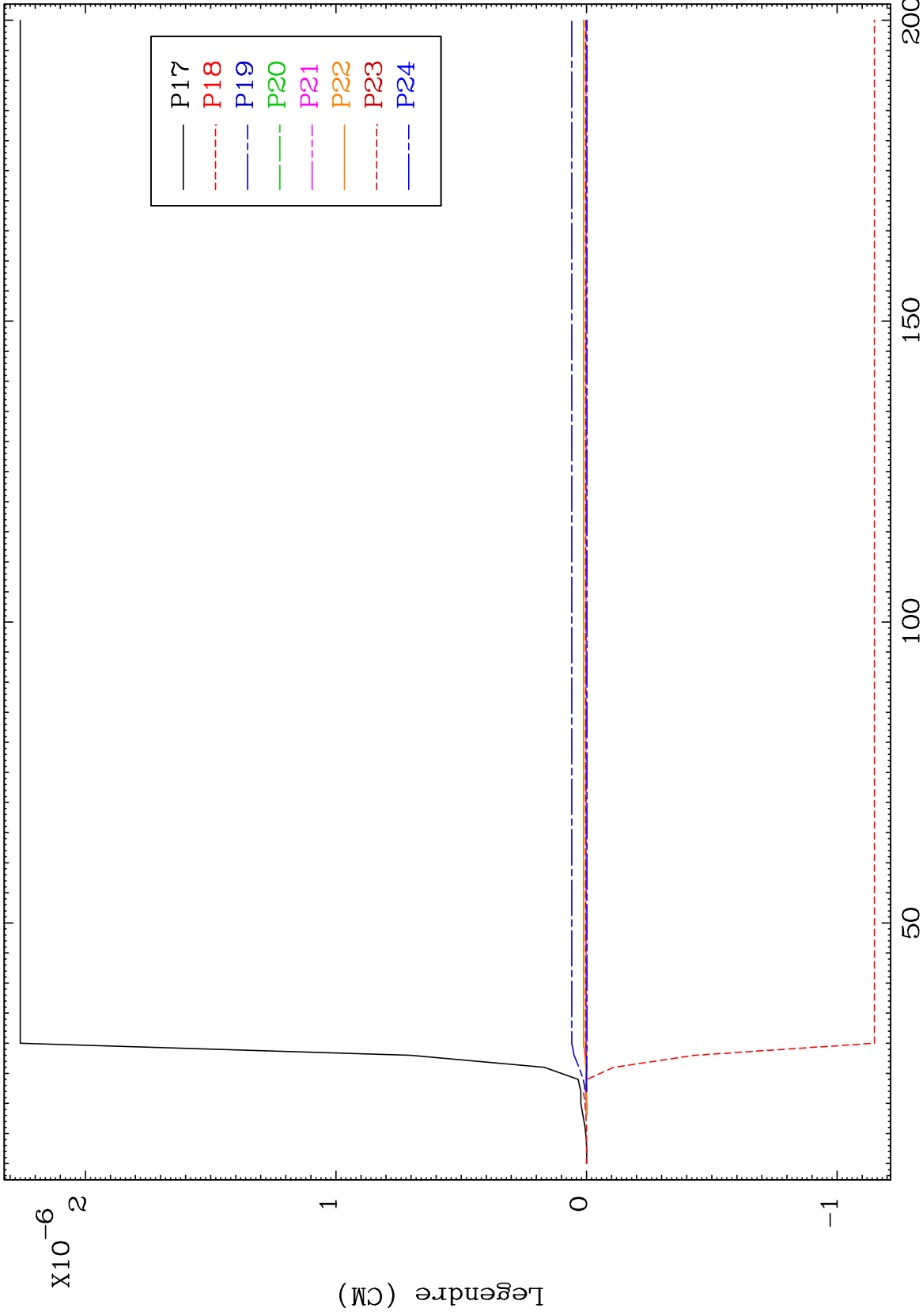
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



50

50

100

150

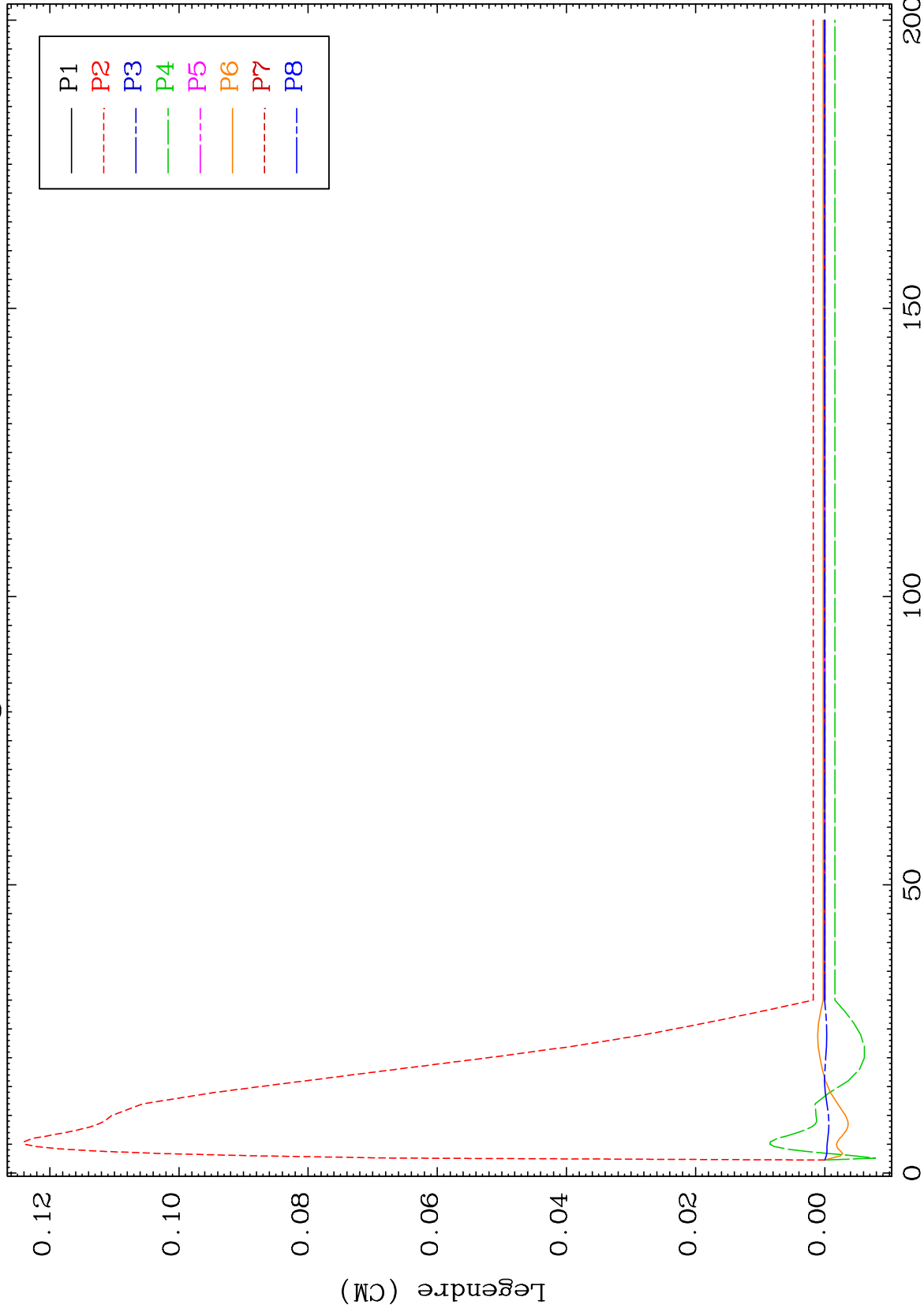
200

67-Ho-152

MAT 6686

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

67-Ho-152



51

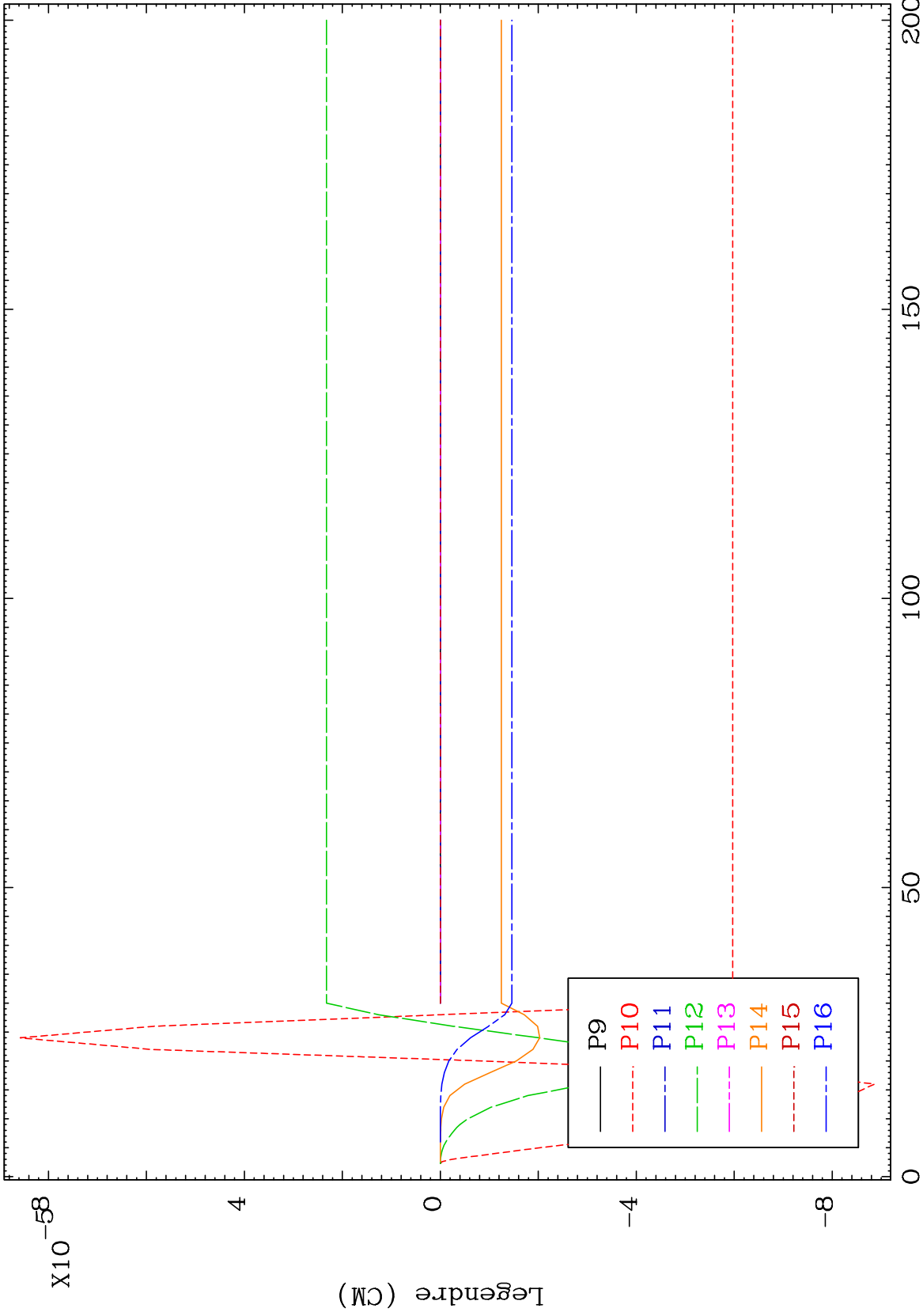
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



52

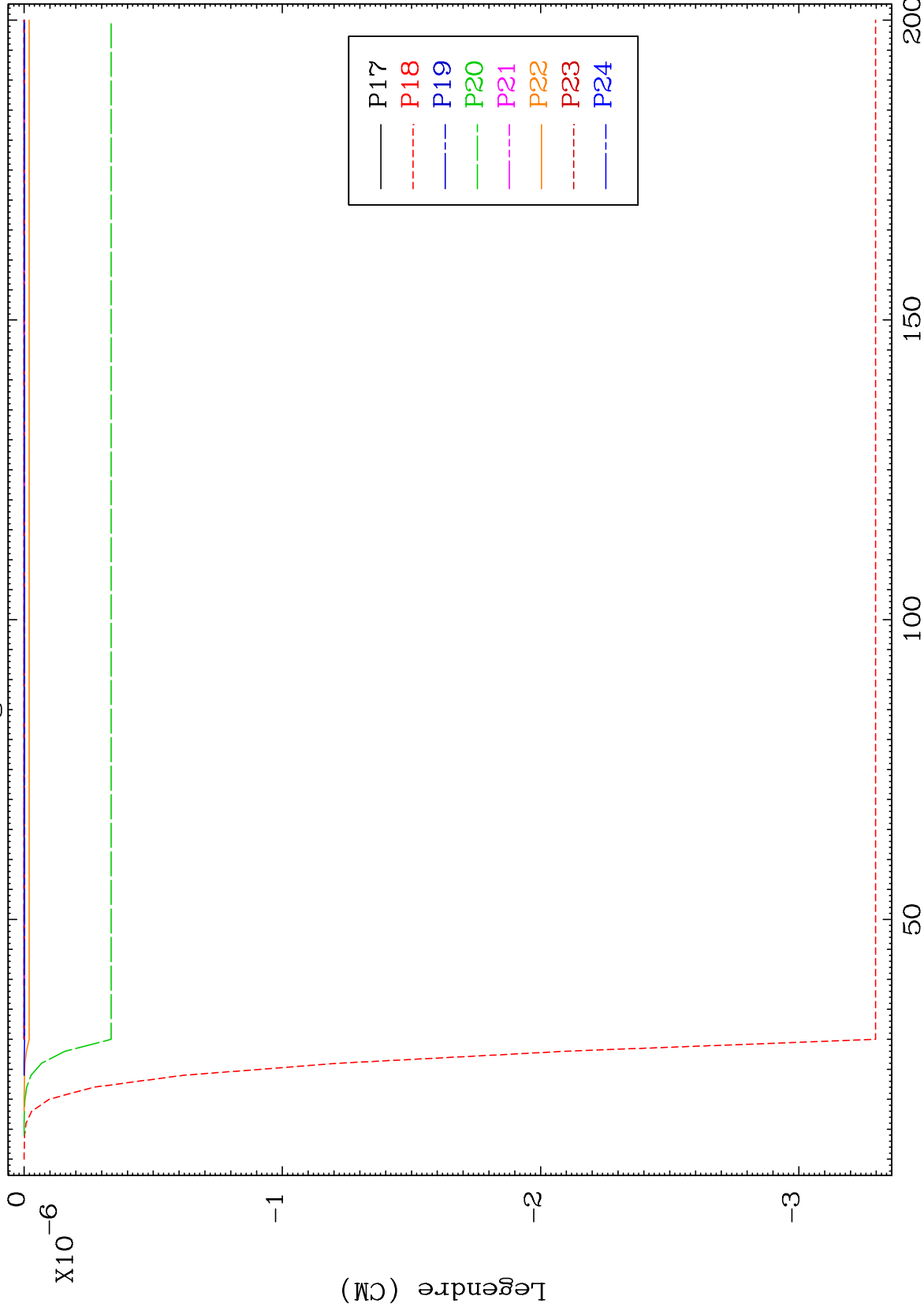
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



53

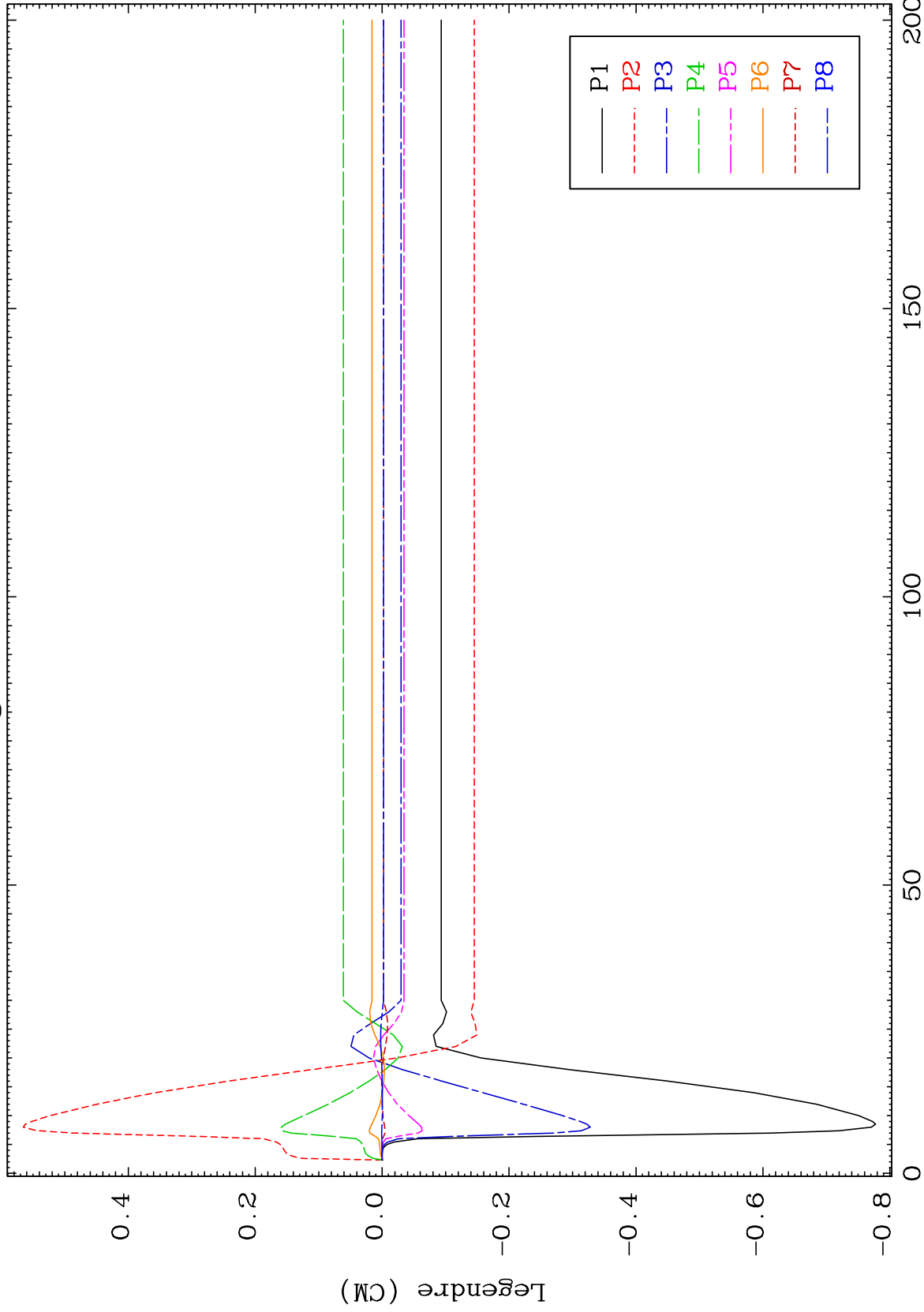
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



54

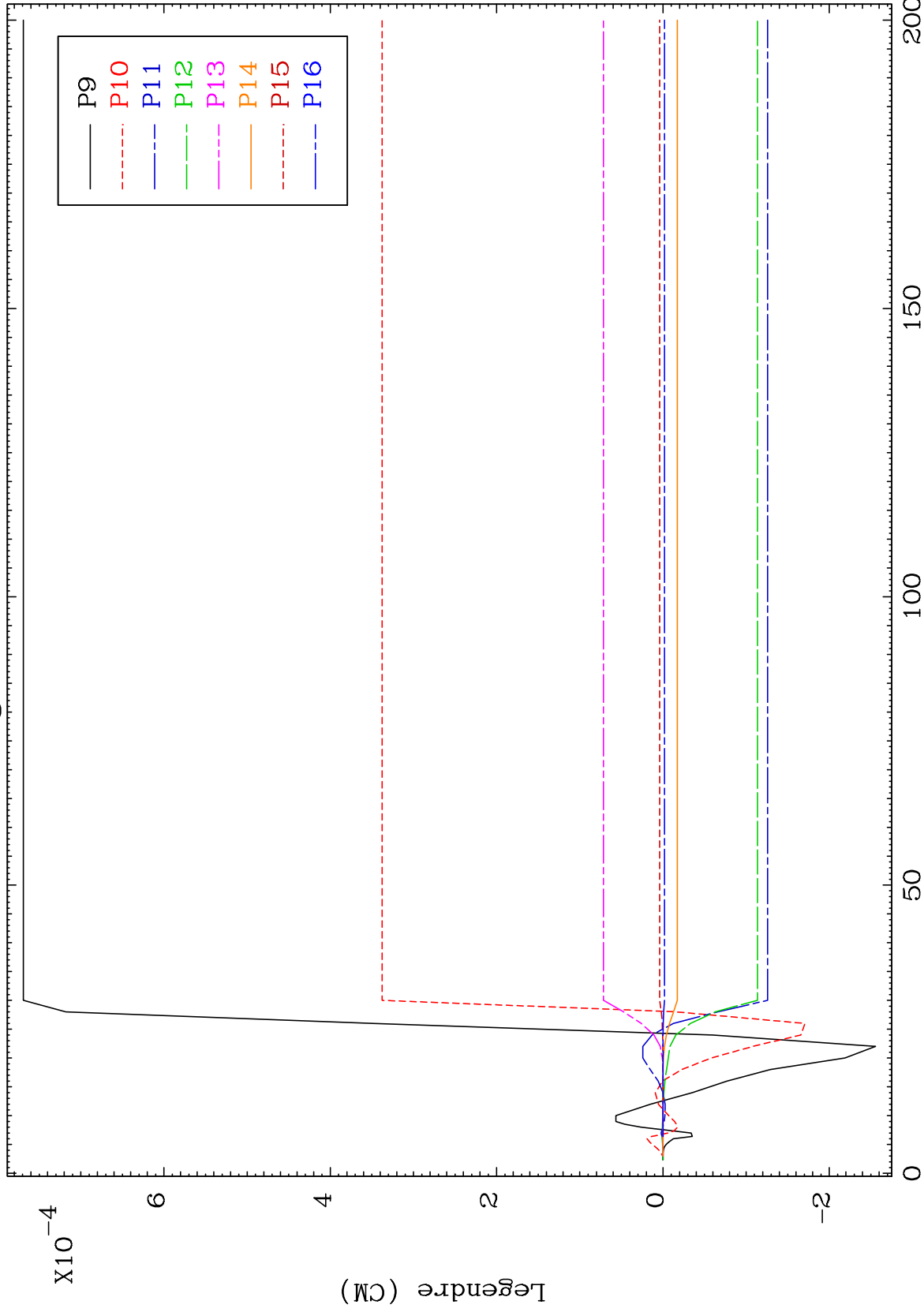
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

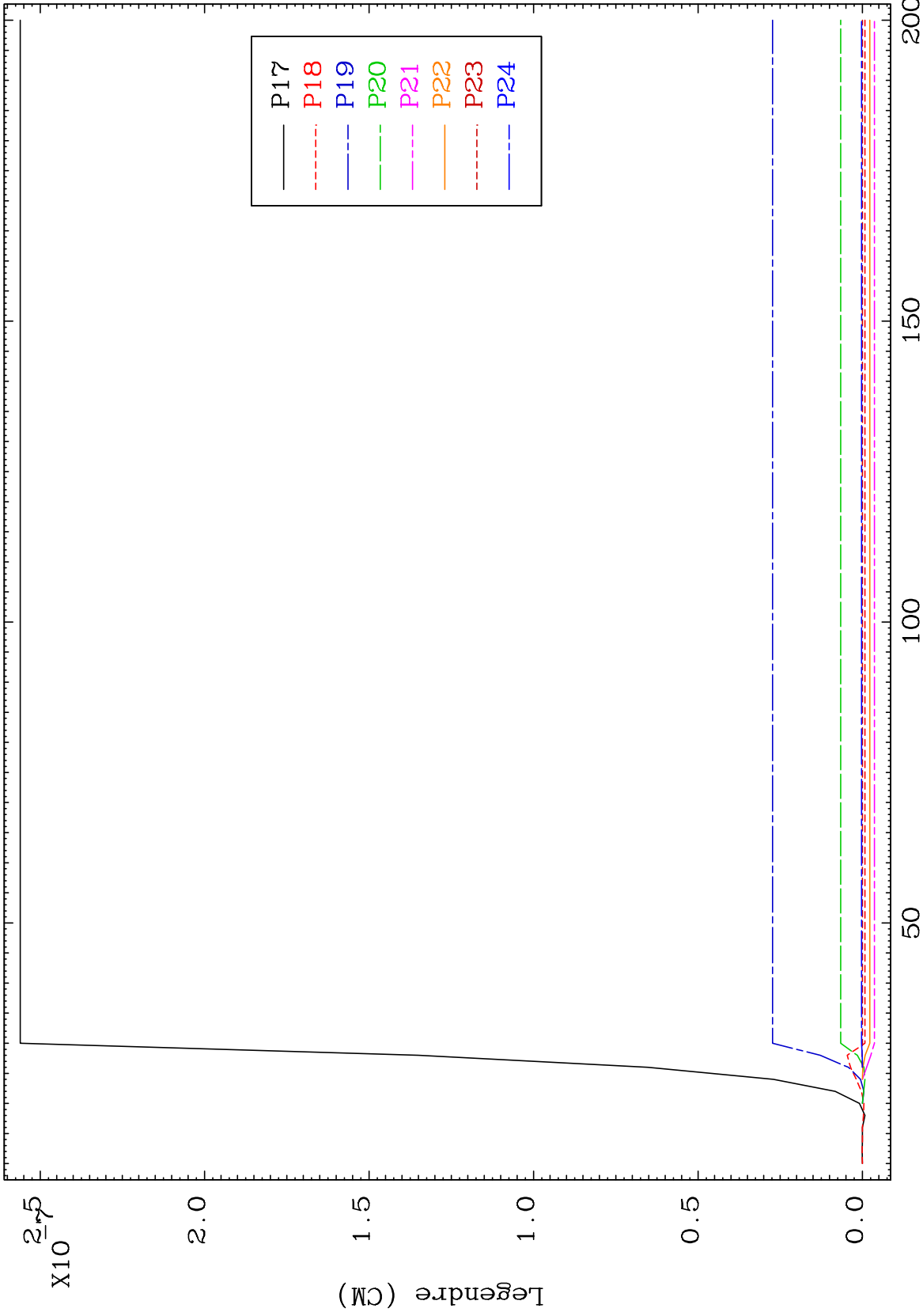
67-Ho-152



55

Incident Energy (MeV)

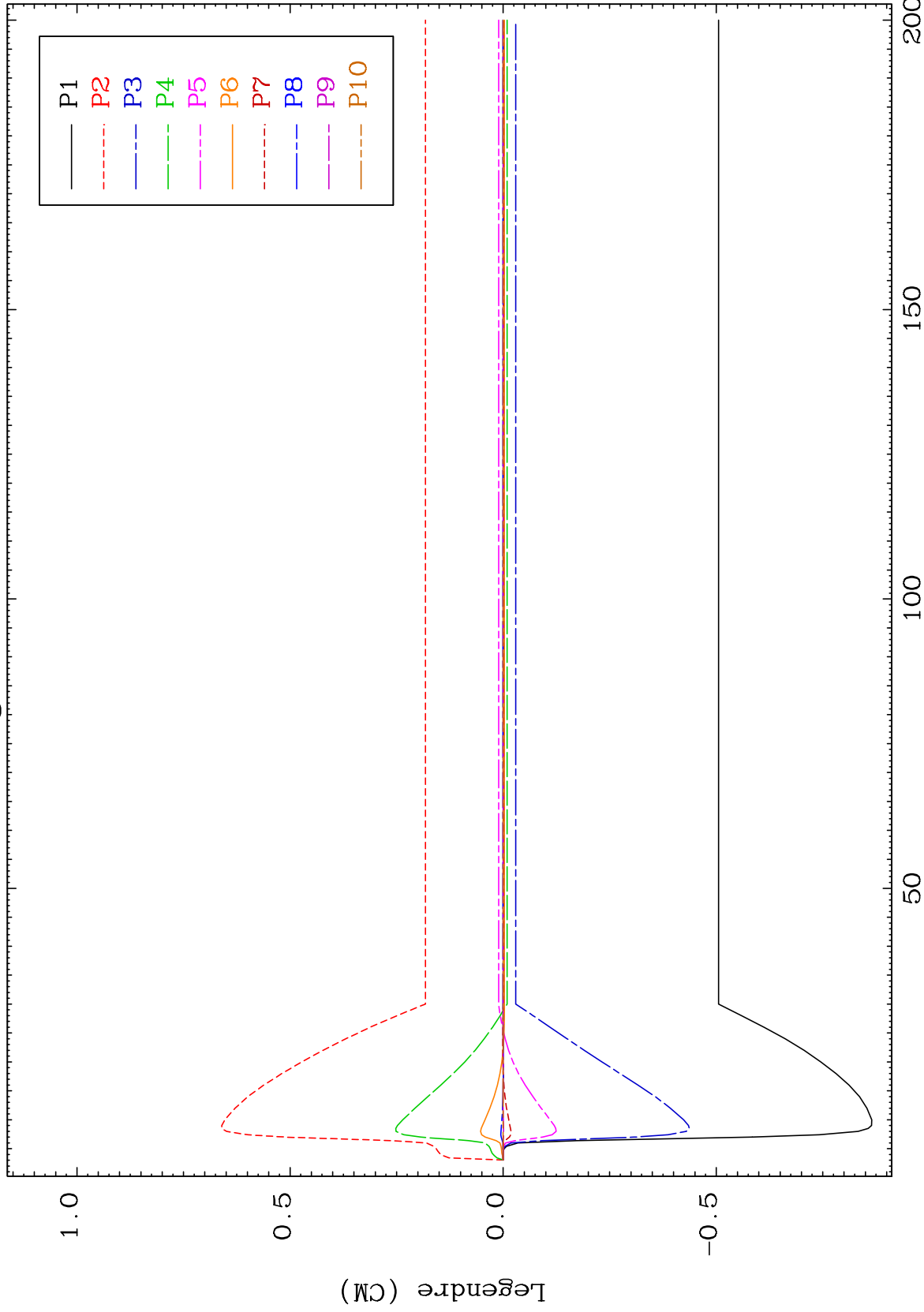
67-Ho-152



MAT 6686

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

67-Ho-152



57

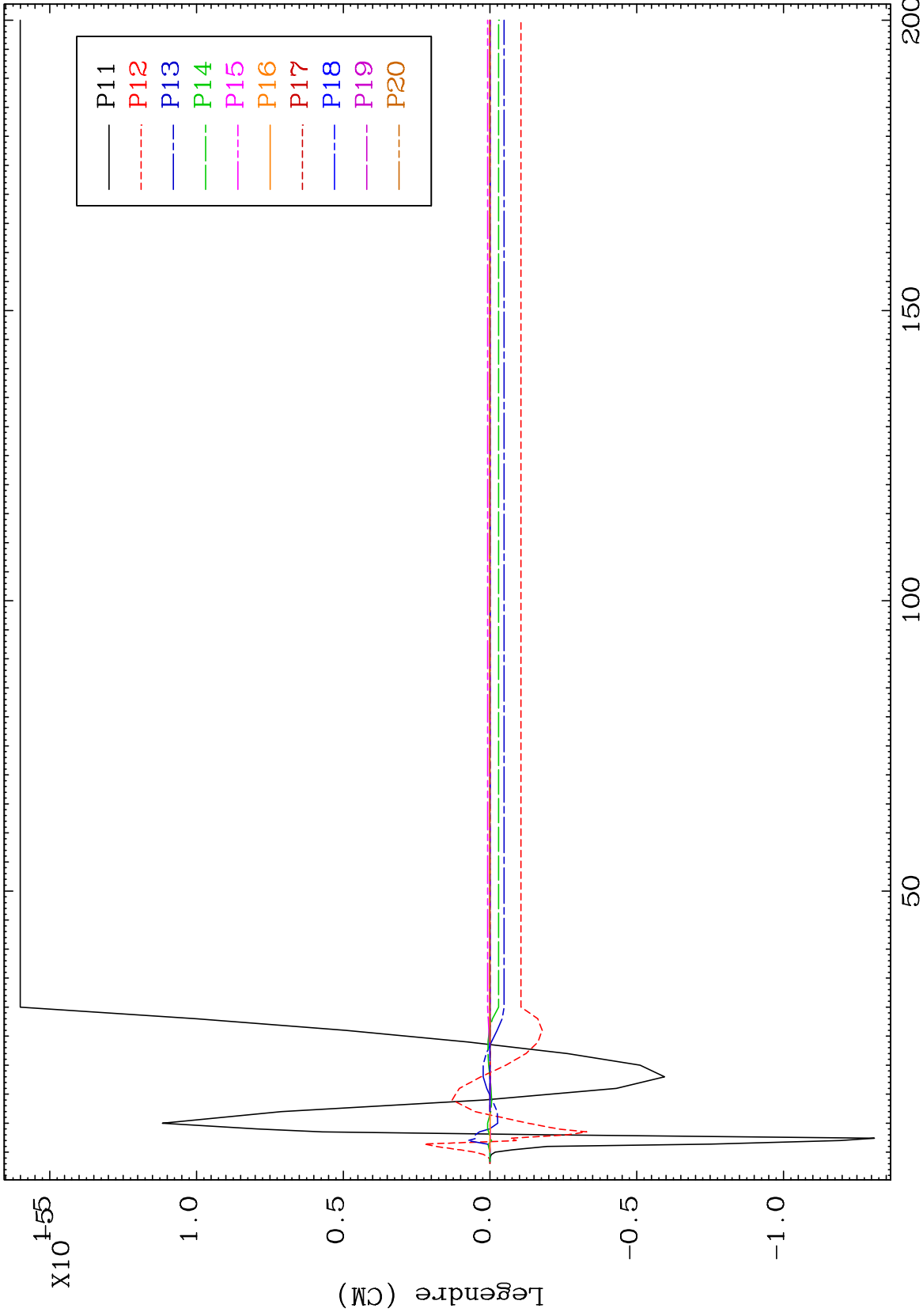
Incident Energy (MeV)

67-Ho-152

MAT 6686

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

67-Ho-152



58

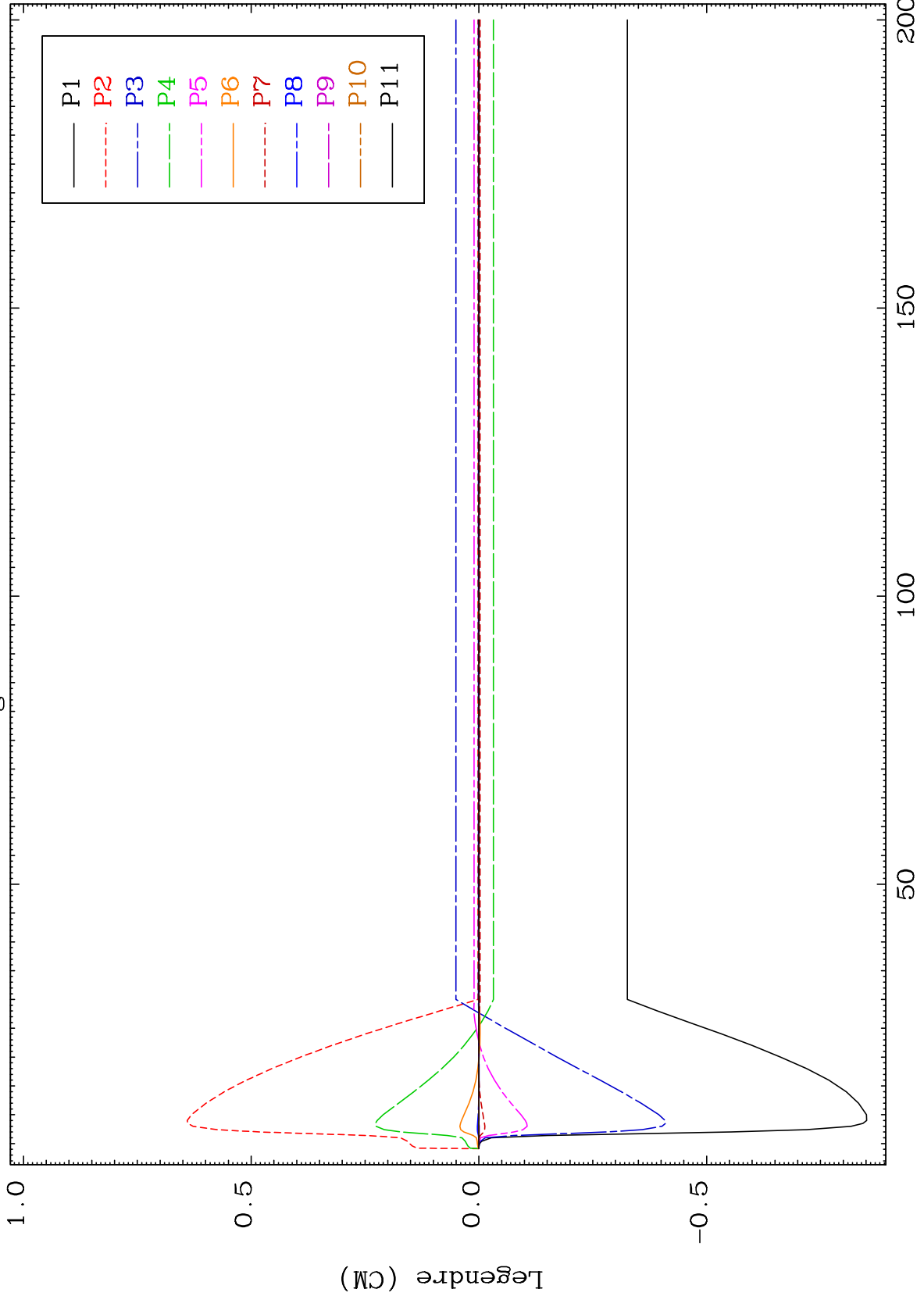
Incident Energy (MeV)

67-Ho-152

MAT 6686 MT= 66 (n,n') Level Legendre Coefficients

67-Ho-152

67-Ho-152

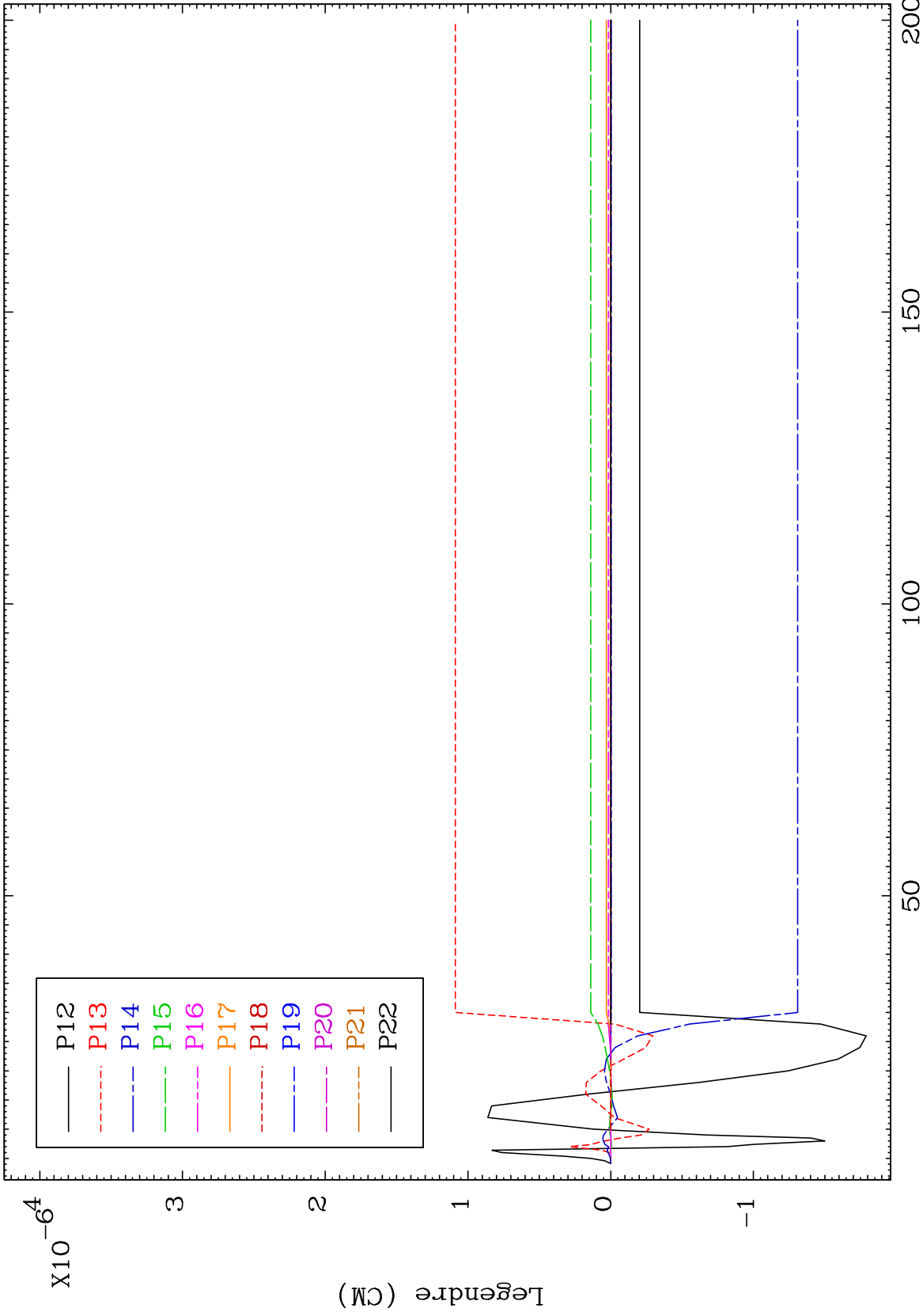


59

MAT 6686

MT= 66 (n,n') Level
Legendre Coefficients

67-Ho-152



60

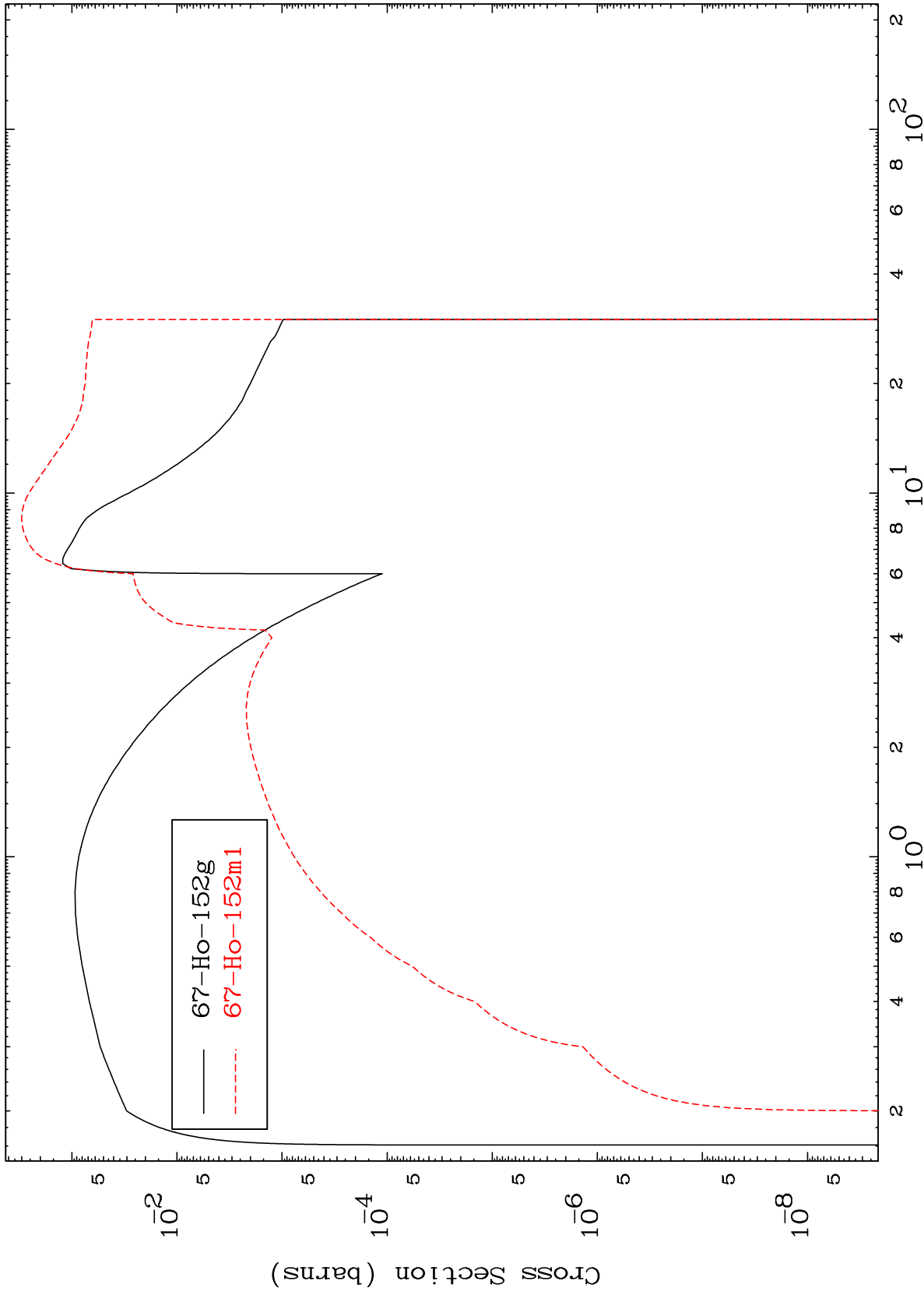
Incident Energy (MeV)

67-Ho-152

MAT 6686

67-Ho-152

Inelastic Radionuclide Production Cross Section



61

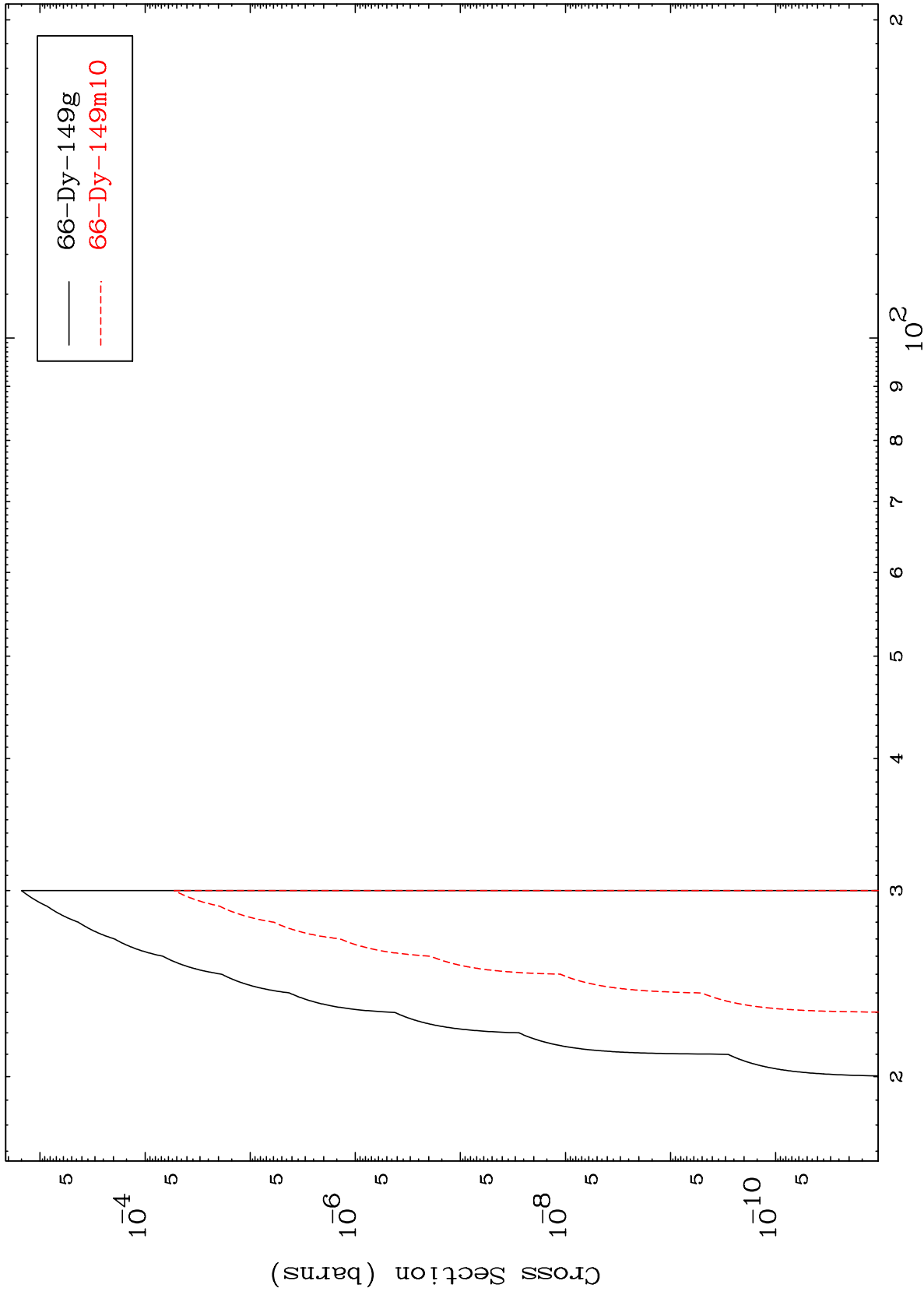
67-Ho-152

MAT 6686

(n,2n) d

67-Ho-152

Radionuclide Production Cross Section



62

Incident Energy (MeV)

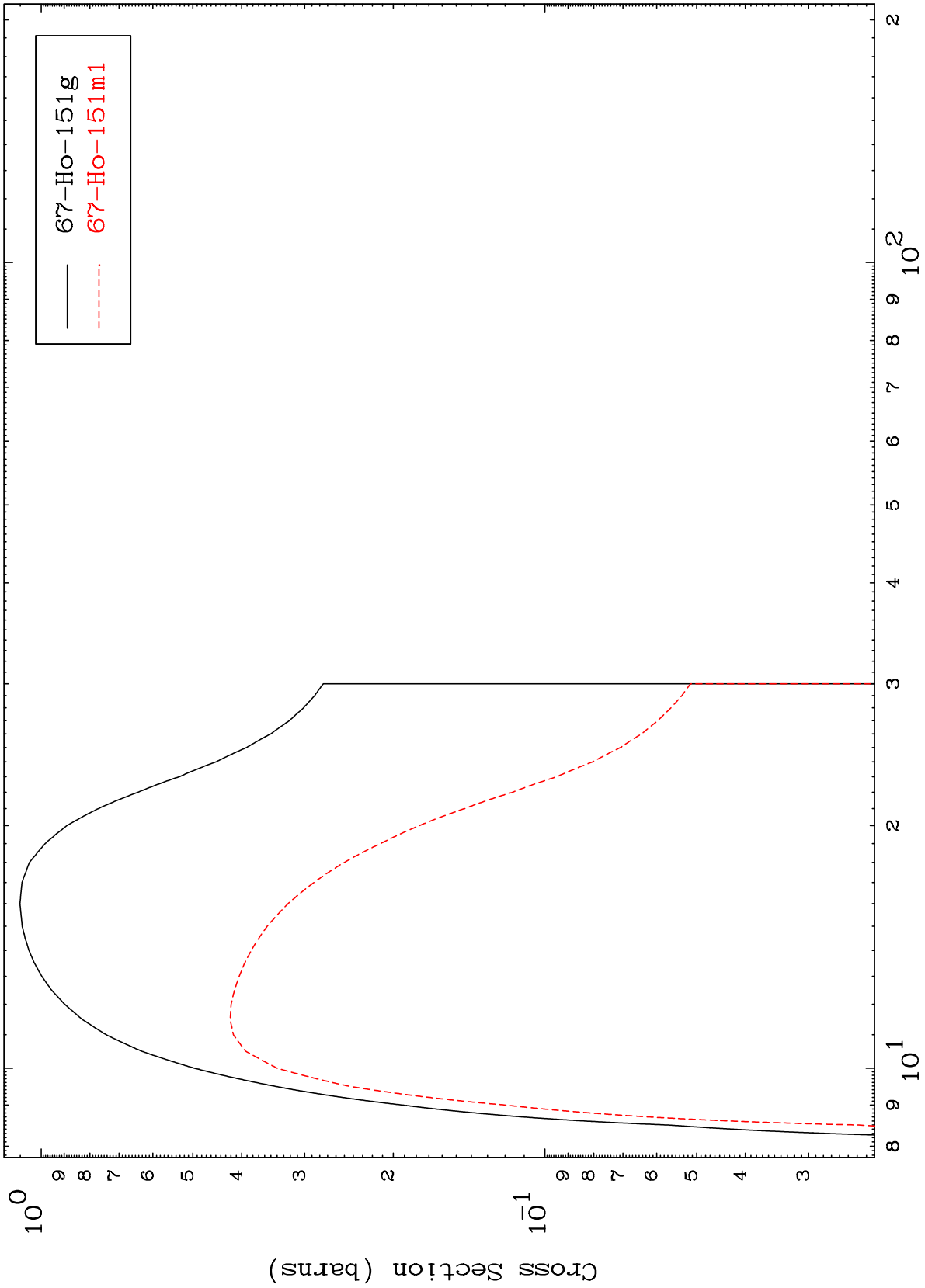
67-Ho-152

MAT 6686

(n,2n)

67-Ho-152

Radionuclide Production Cross Section



63

Incident Energy (MeV)

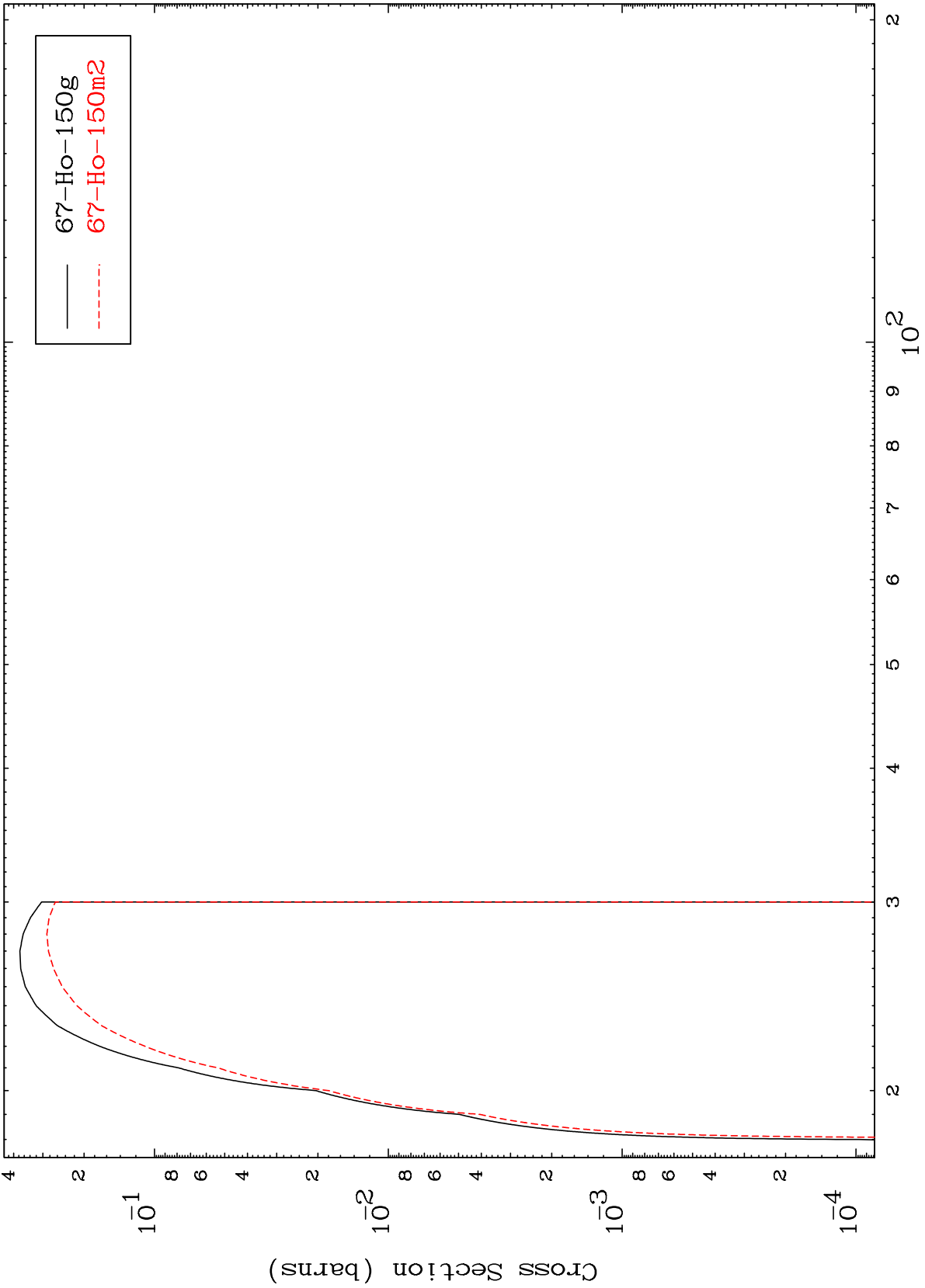
67-Ho-152

MAT 6686

(n,3n)

67-Ho-152

Radionuclide Production Cross Section



67-Ho-150g
67-Ho-150m2

64

Incident Energy (MeV)

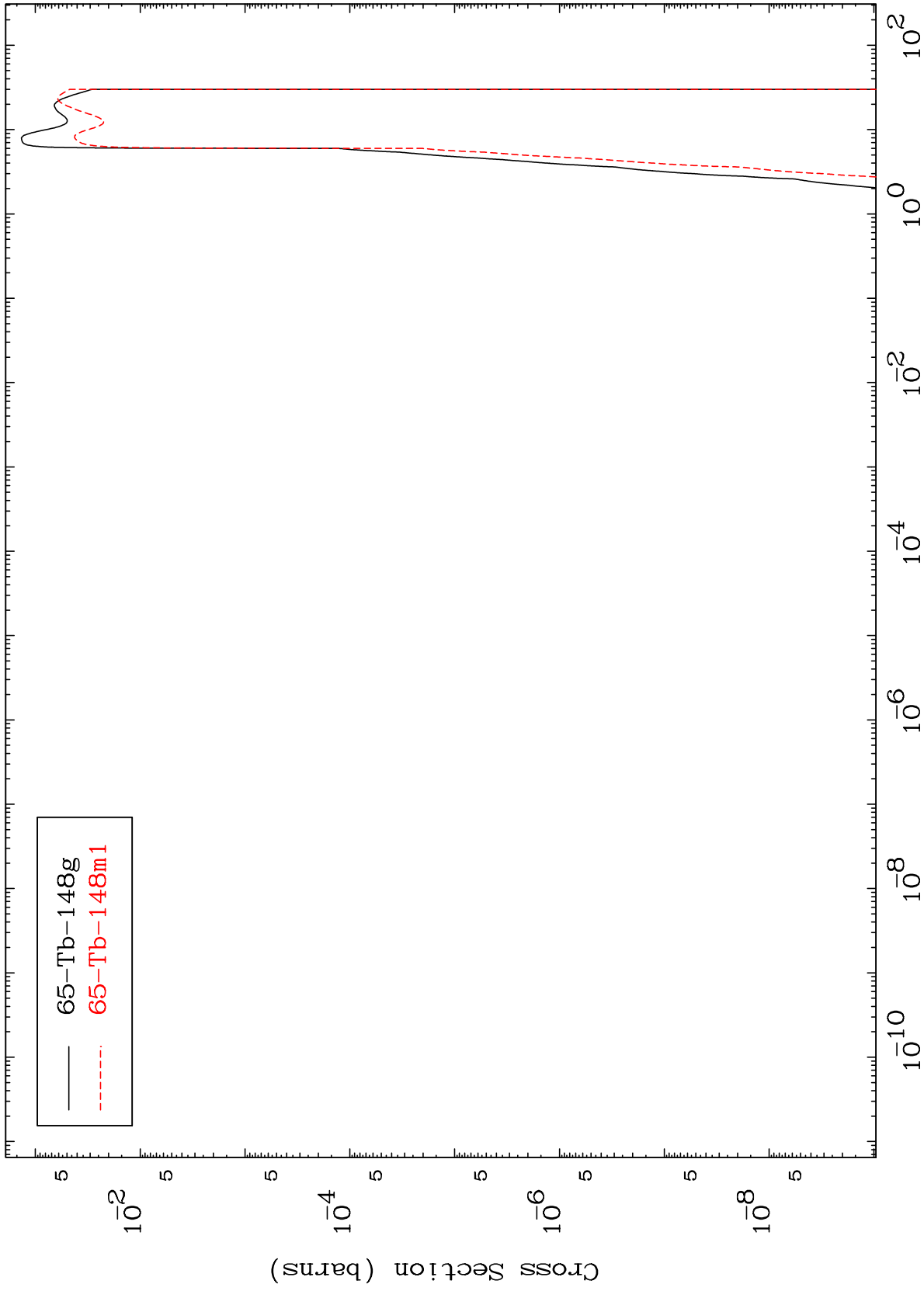
67-Ho-152

MAT 6686

(n,n') α

67-Ho-152

Radionuclide Production Cross Section



65

Incident Energy (MeV)

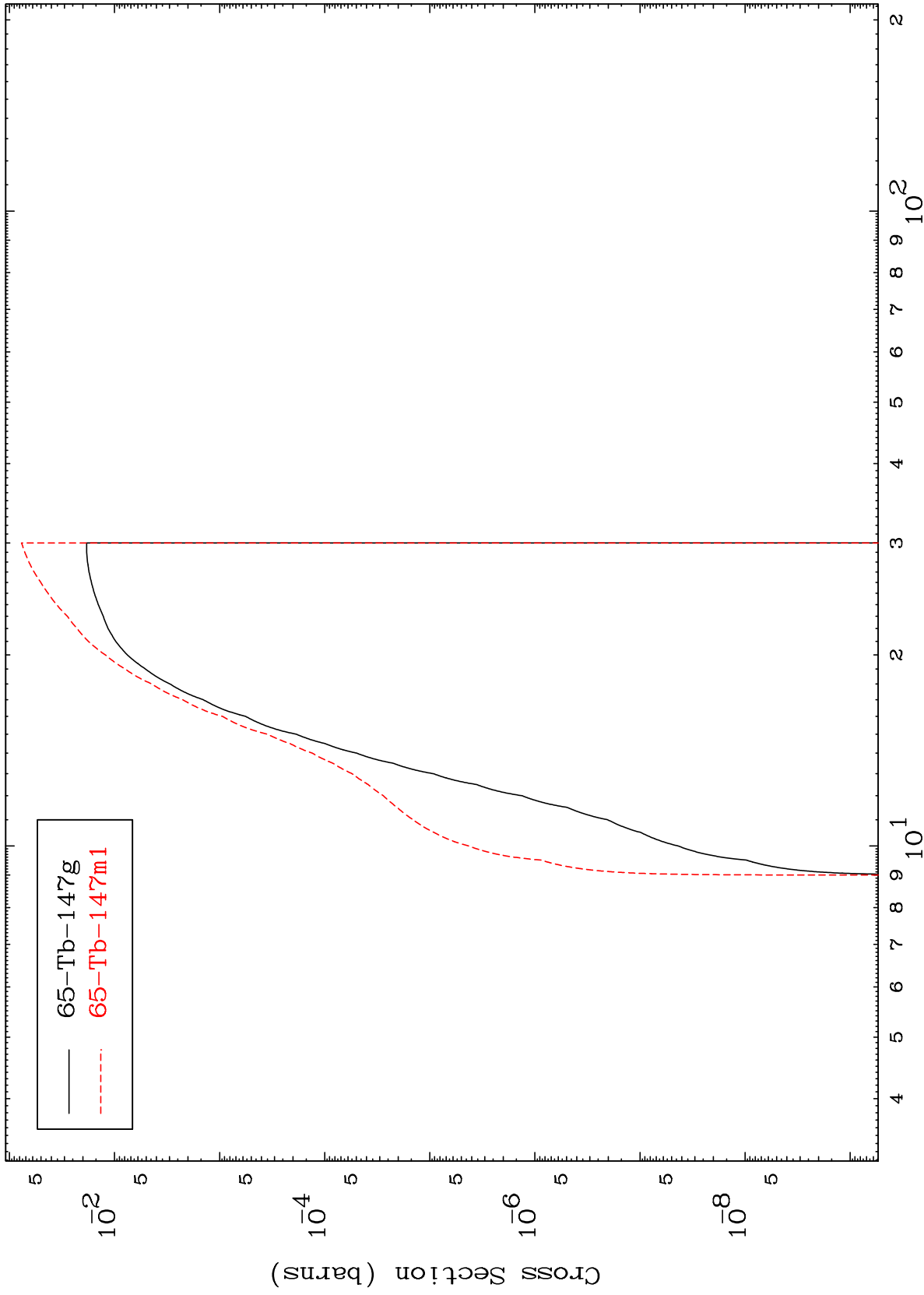
67-Ho-152

MAT 6686

$(n, 2n) \alpha$

67-Ho-152

Radionuclide Production Cross Section



66

Incident Energy (MeV)

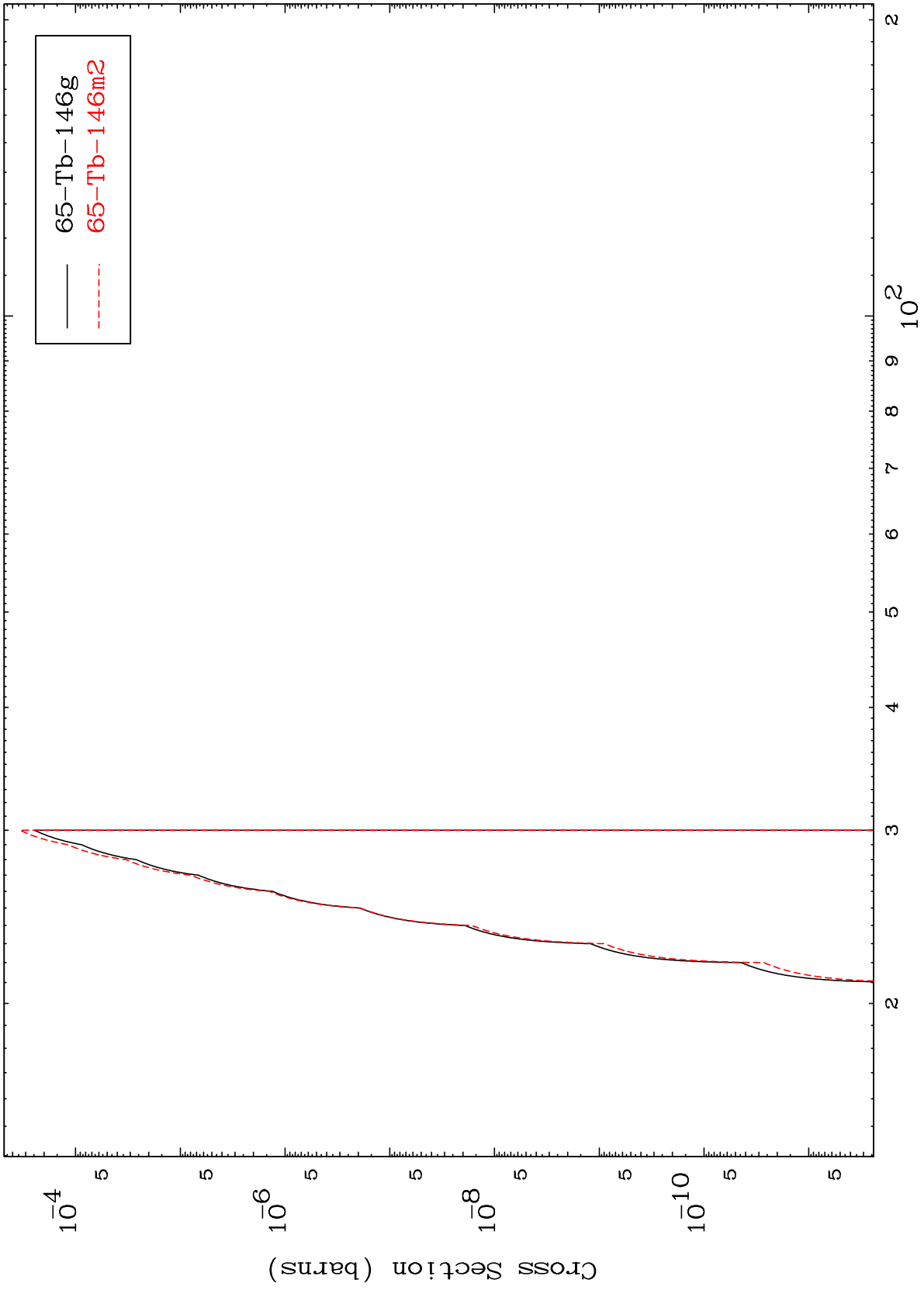
67-Ho-152

MAT 6686

(n,3n) α

67-Ho-152

Radionuclide Production Cross Section



67

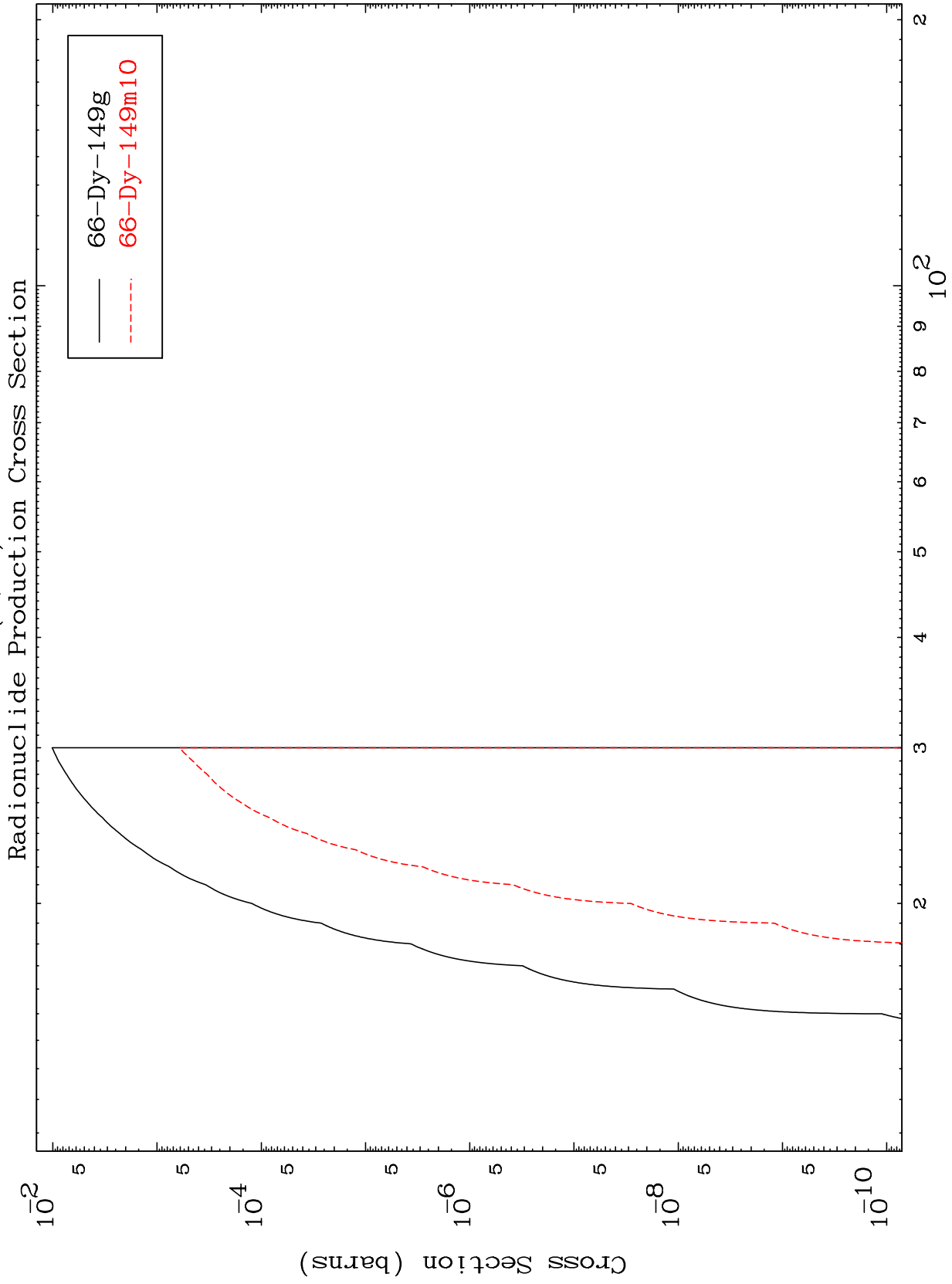
Incident Energy (MeV)

67-Ho-152

MAT 6686

(n, n') t

67-Ho-152



68

Incident Energy (MeV)

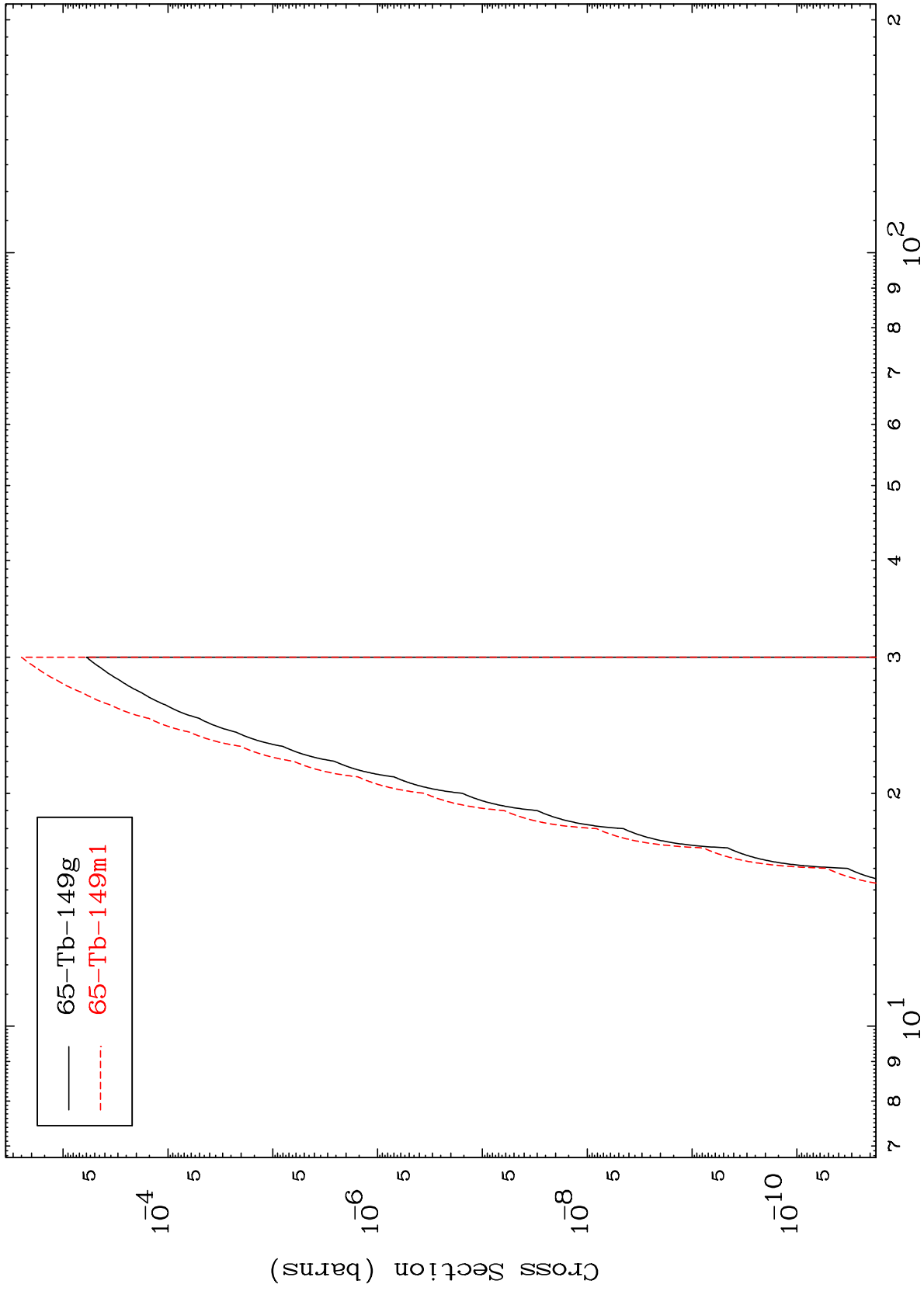
67-Ho-152

MAT 6686

(n, n') He-3

67-Ho-152

Radionuclide Production Cross Section



69

Incident Energy (MeV)

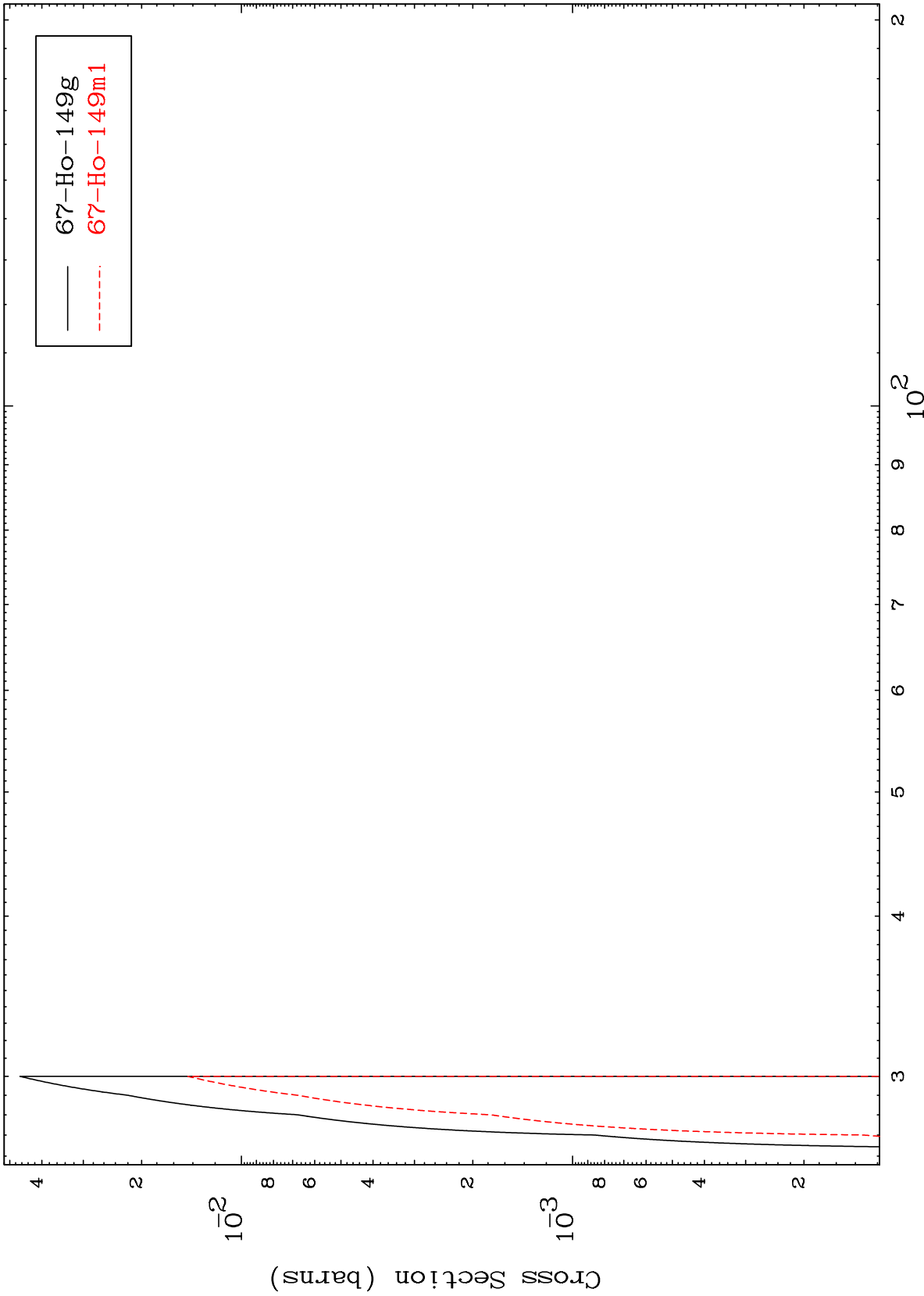
67-Ho-152

MAT 6686

(n,4n)

67-Ho-152

Radionuclide Production Cross Section



67-Ho-149g
67-Ho-149m1

70

Incident Energy (MeV)

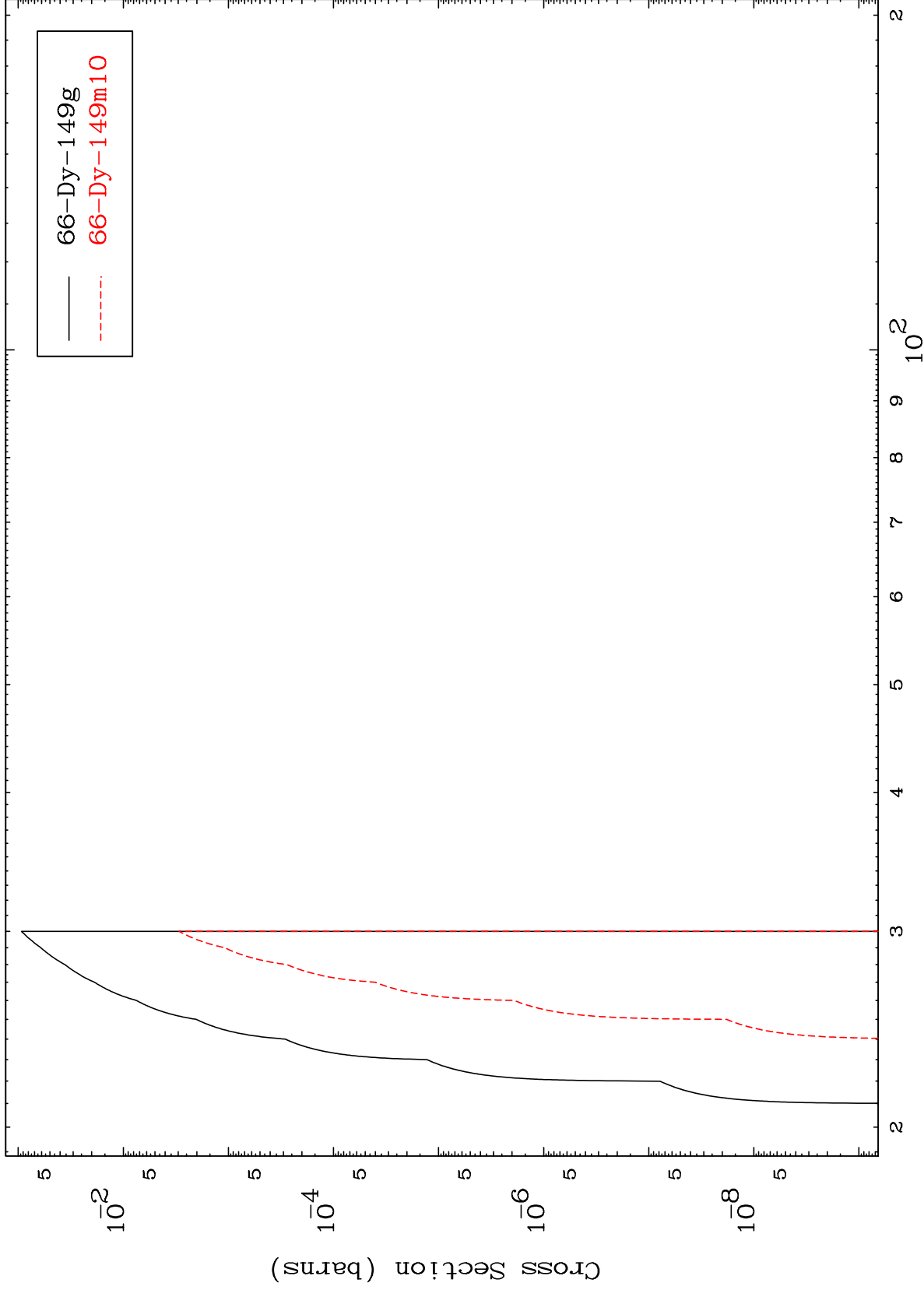
67-Ho-152

MAT 6686

(n,3n) p

67-Ho-152

Radionuclide Production Cross Section



71

Incident Energy (MeV)

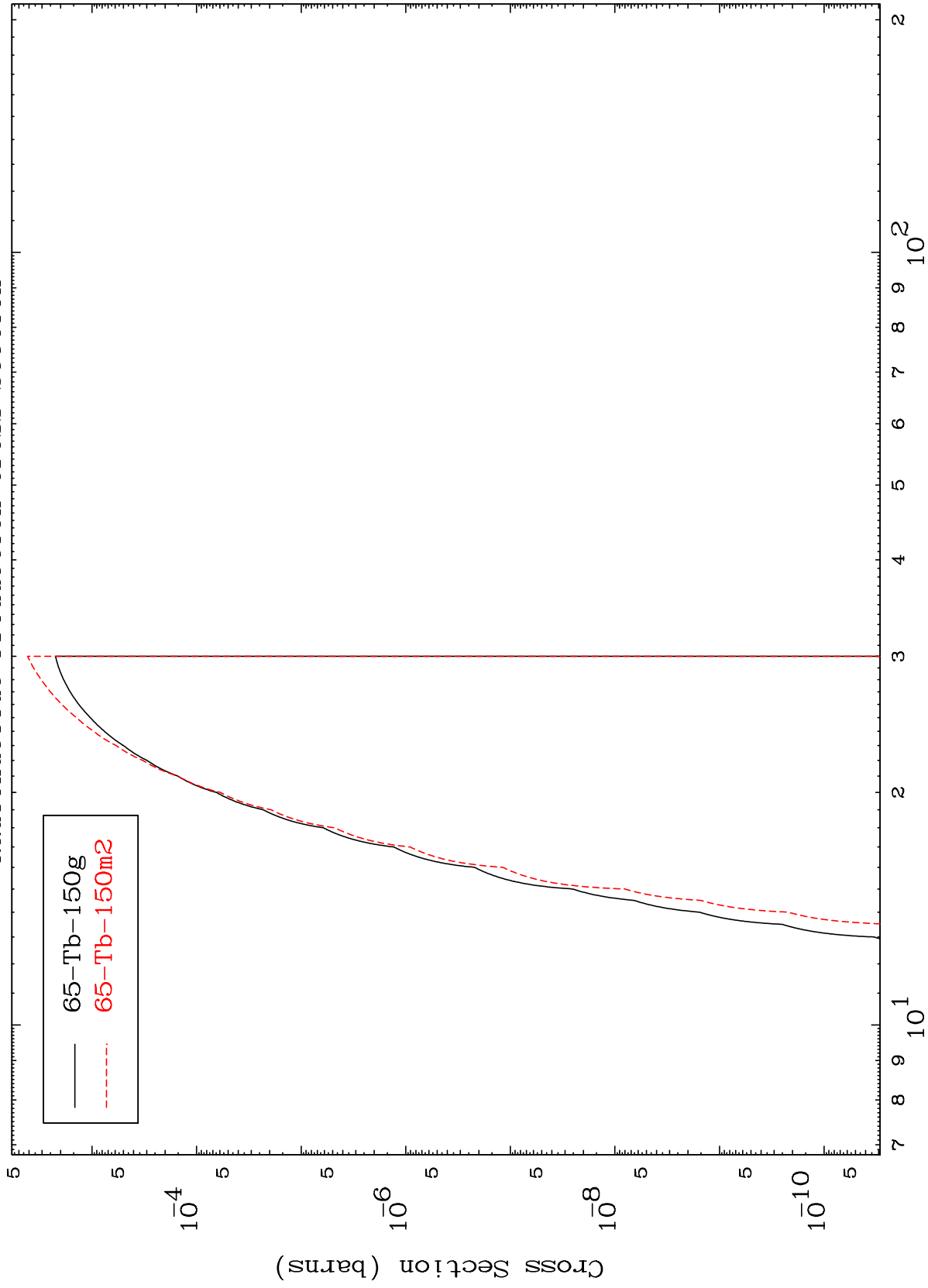
67-Ho-152

MAT 6686

(n,2n) p

67-Ho-152

Radionuclide Production Cross Section



72

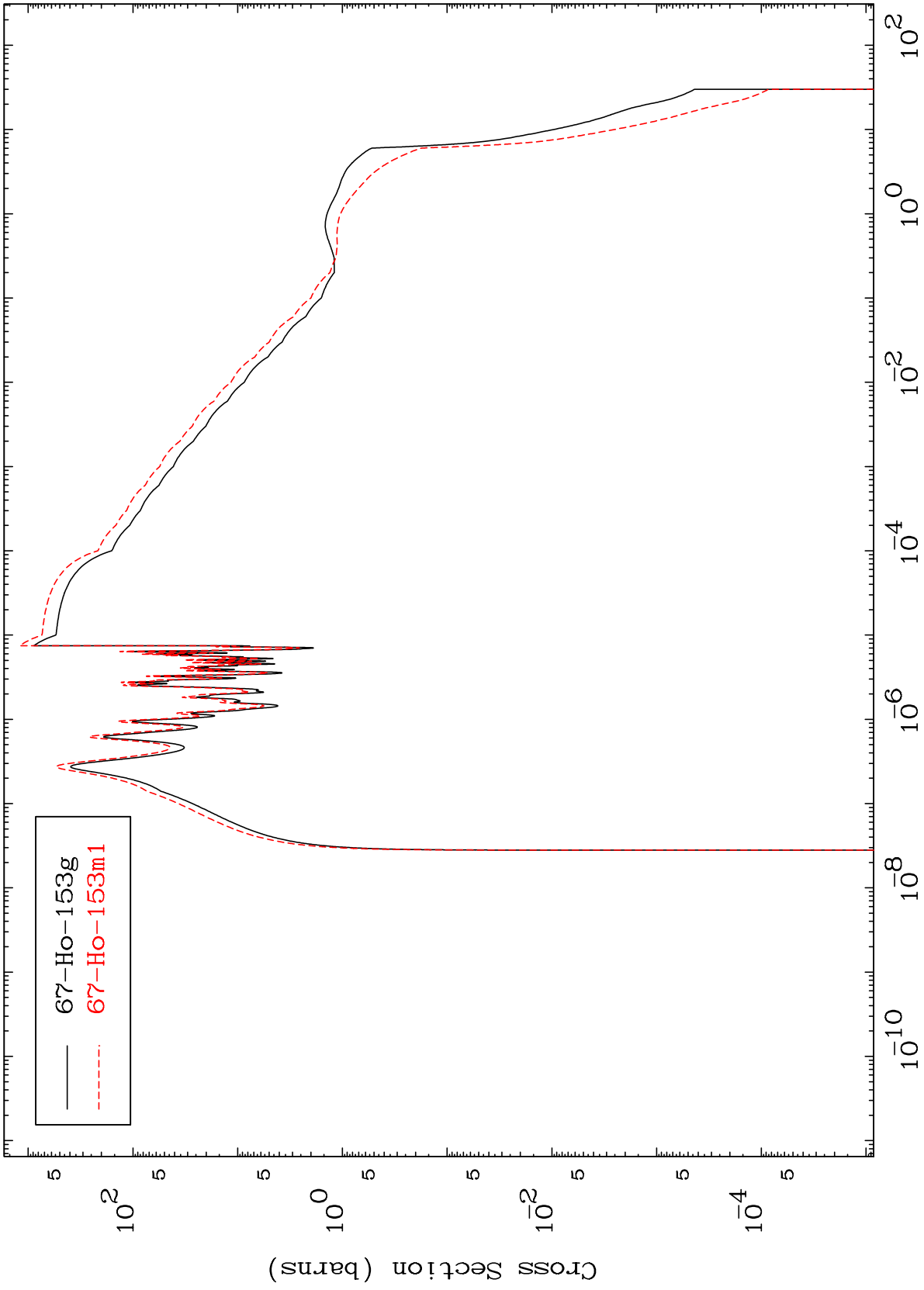
Incident Energy (MeV)

67-Ho-152

MAT 6686

67-Ho-152

Radionuclide Production Cross Section (n,γ)



73

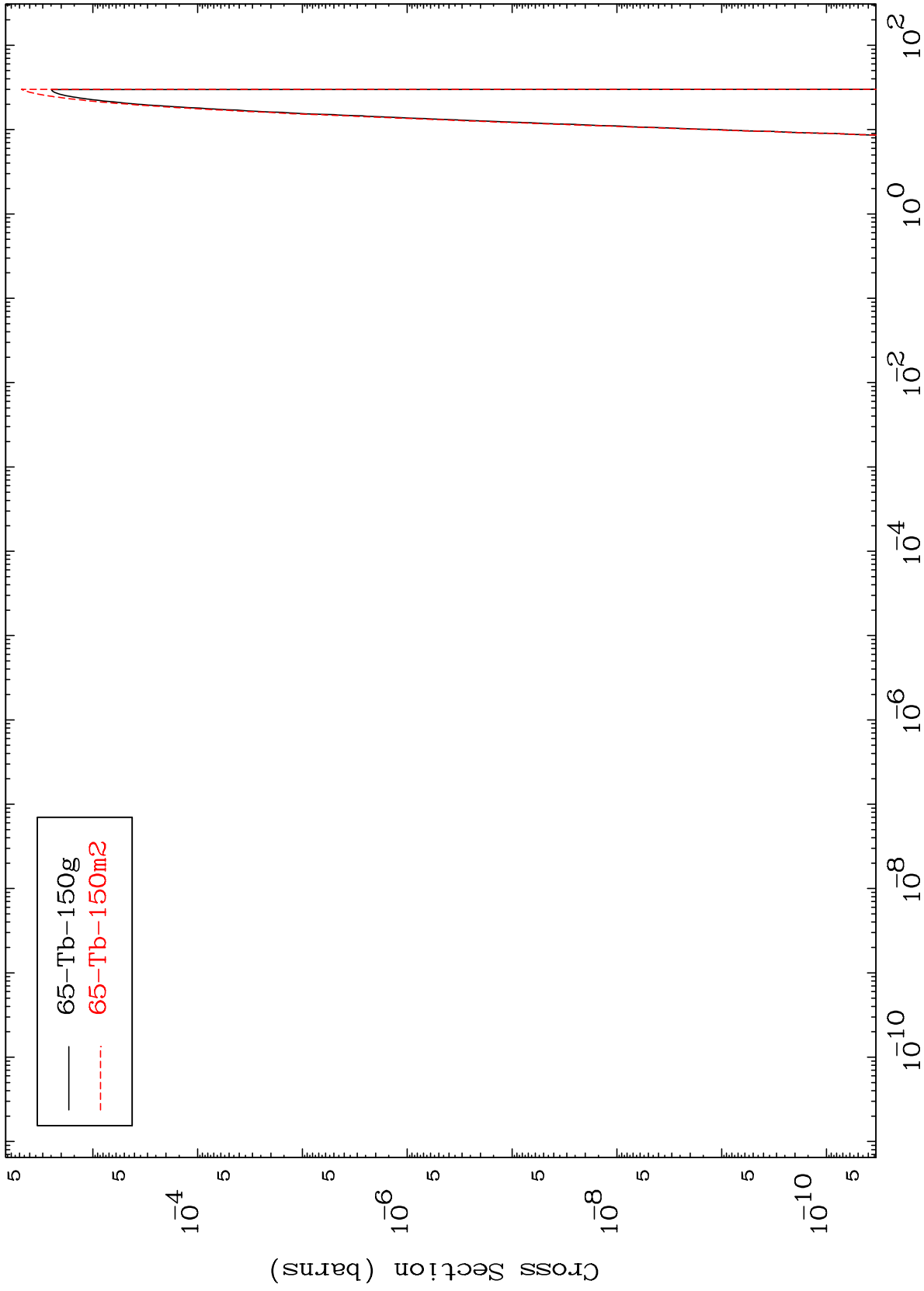
67-Ho-152

MAT 6686

(n, He-3)

67-Ho-152

Radionuclide Production Cross Section



74

Incident Energy (MeV)

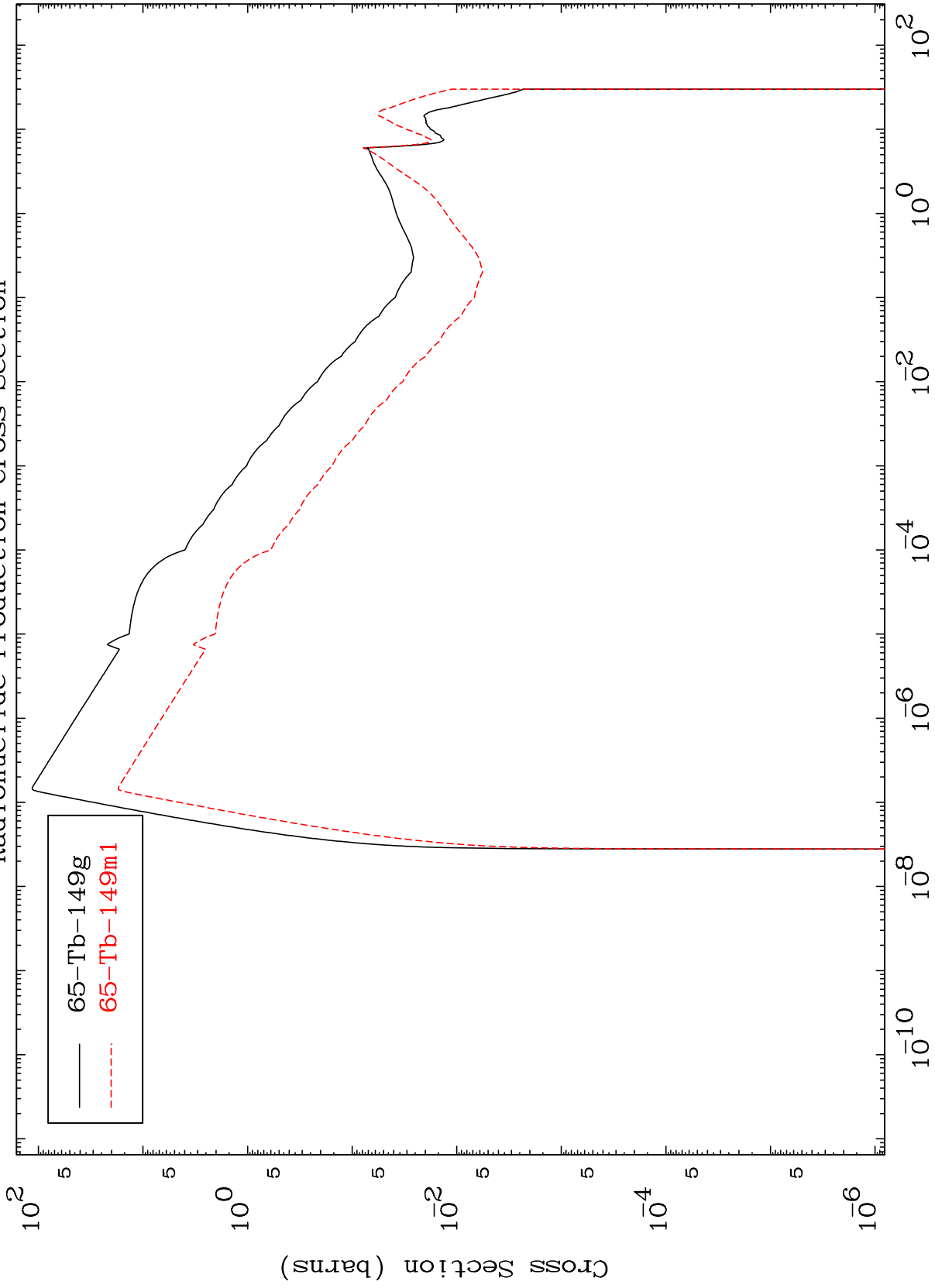
67-Ho-152

MAT 6686

(n, α)

67-Ho-152

Radionuclide Production Cross Section



— 65-Tb-149g
- - - 65-Tb-149m1

75

Incident Energy (MeV)

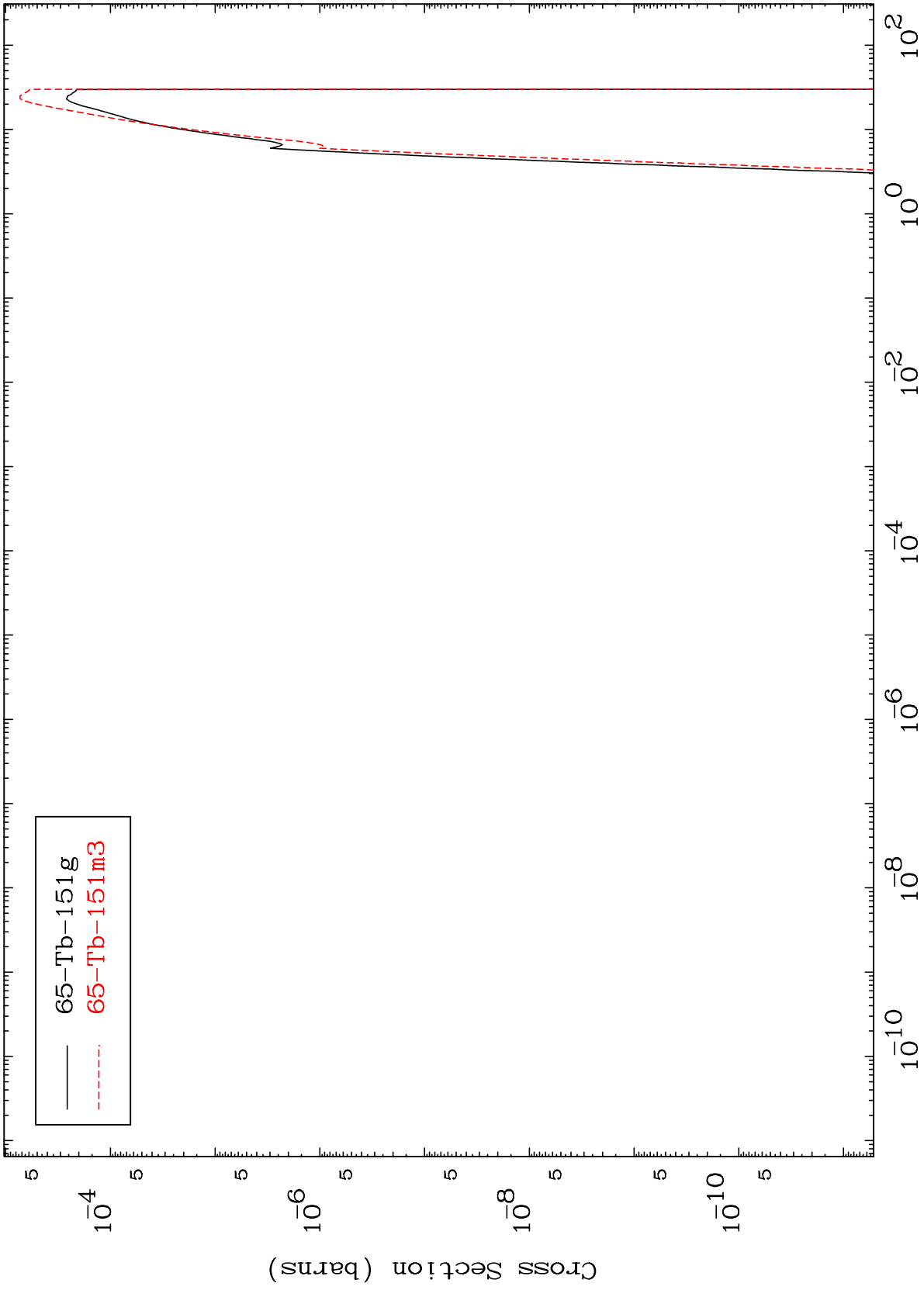
67-Ho-152

MAT 6686

(n,2p)

67-Ho-152

Radionuclide Production Cross Section



76

Incident Energy (MeV)

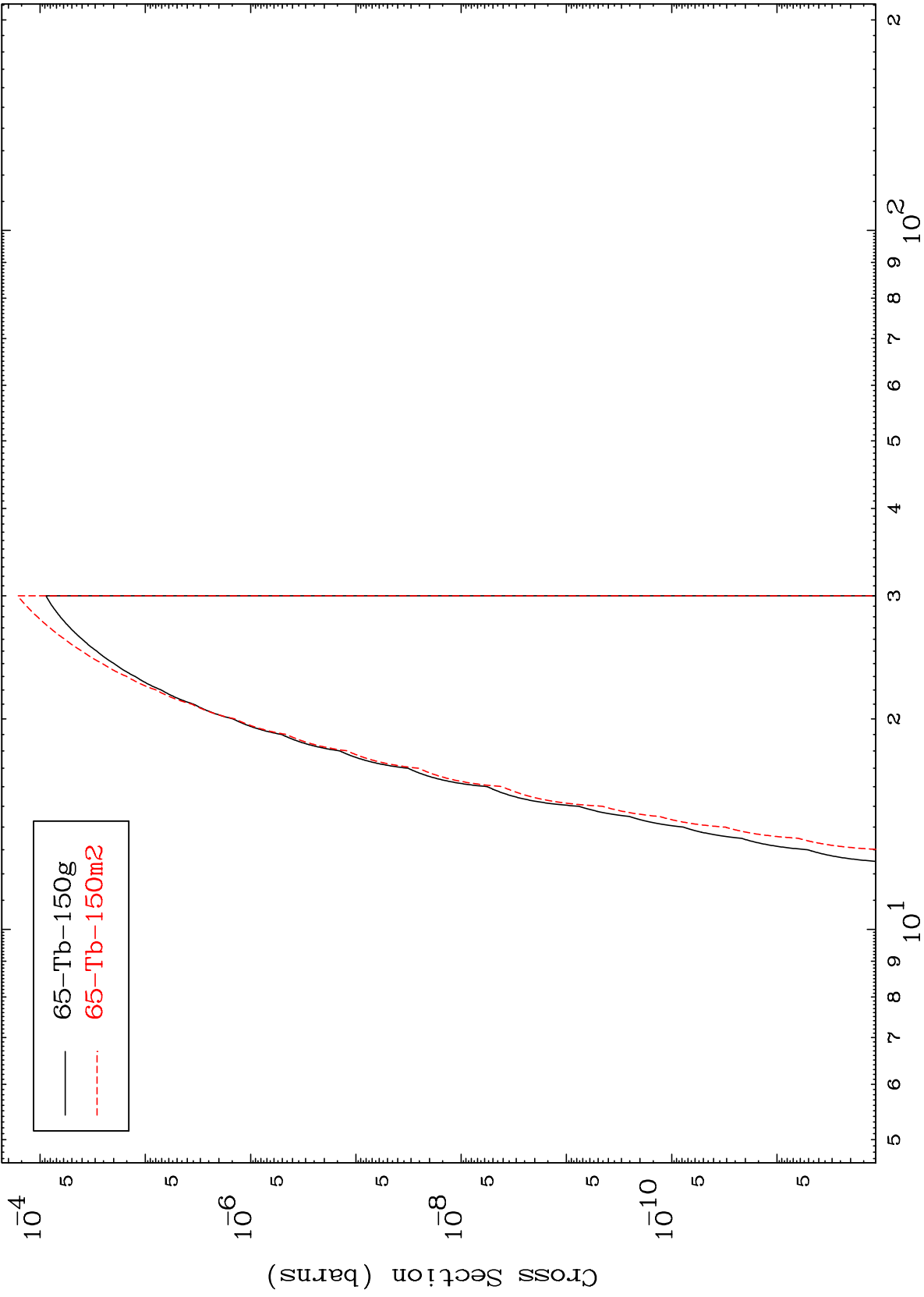
67-Ho-152

MAT 6686

(n,p) d

67-Ho-152

Radionuclide Production Cross Section



77

Incident Energy (MeV)

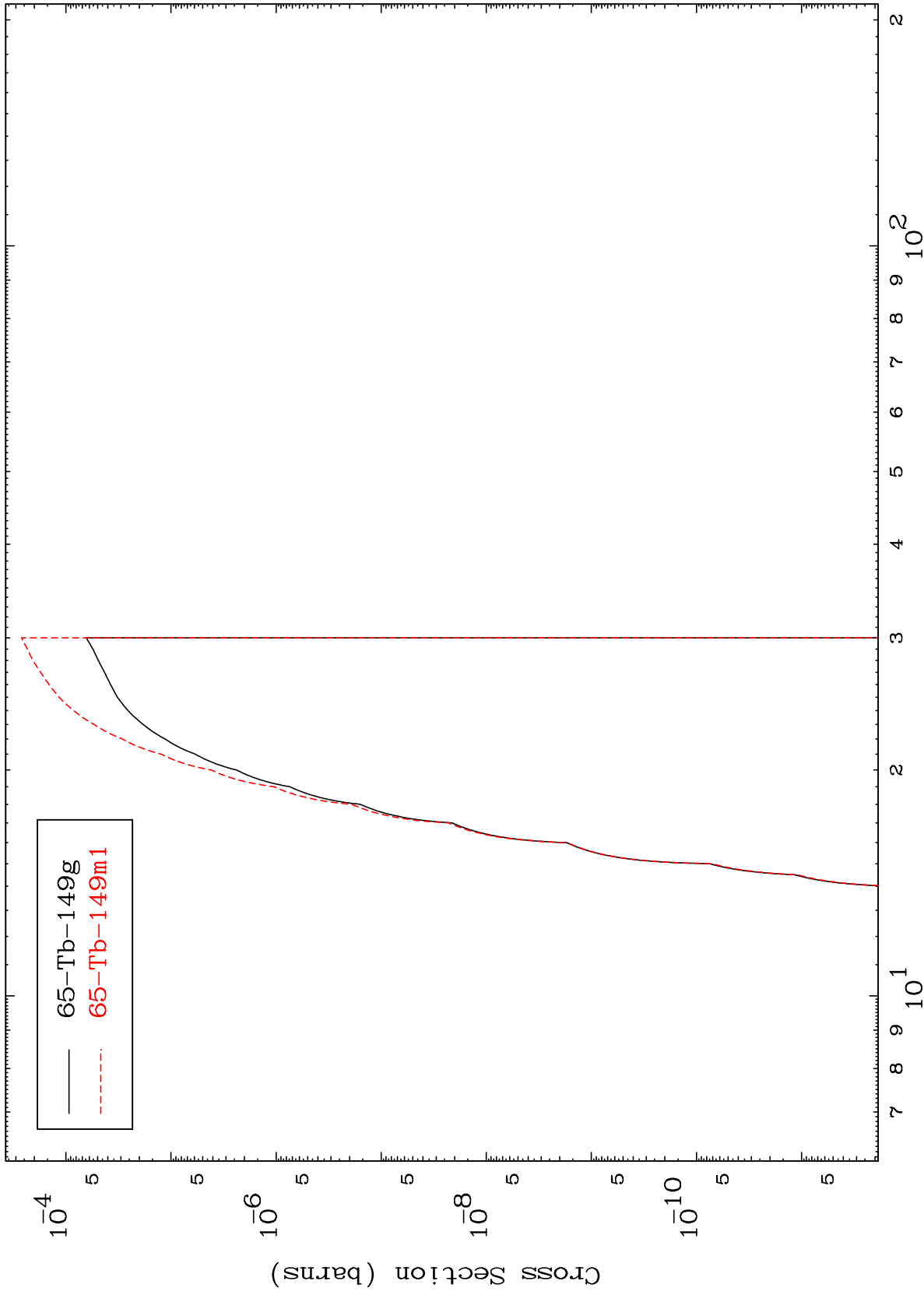
67-Ho-152

MAT 6686

(n,p) t

67-Ho-152

Radionuclide Production Cross Section



78

Incident Energy (MeV)

67-Ho-152