

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

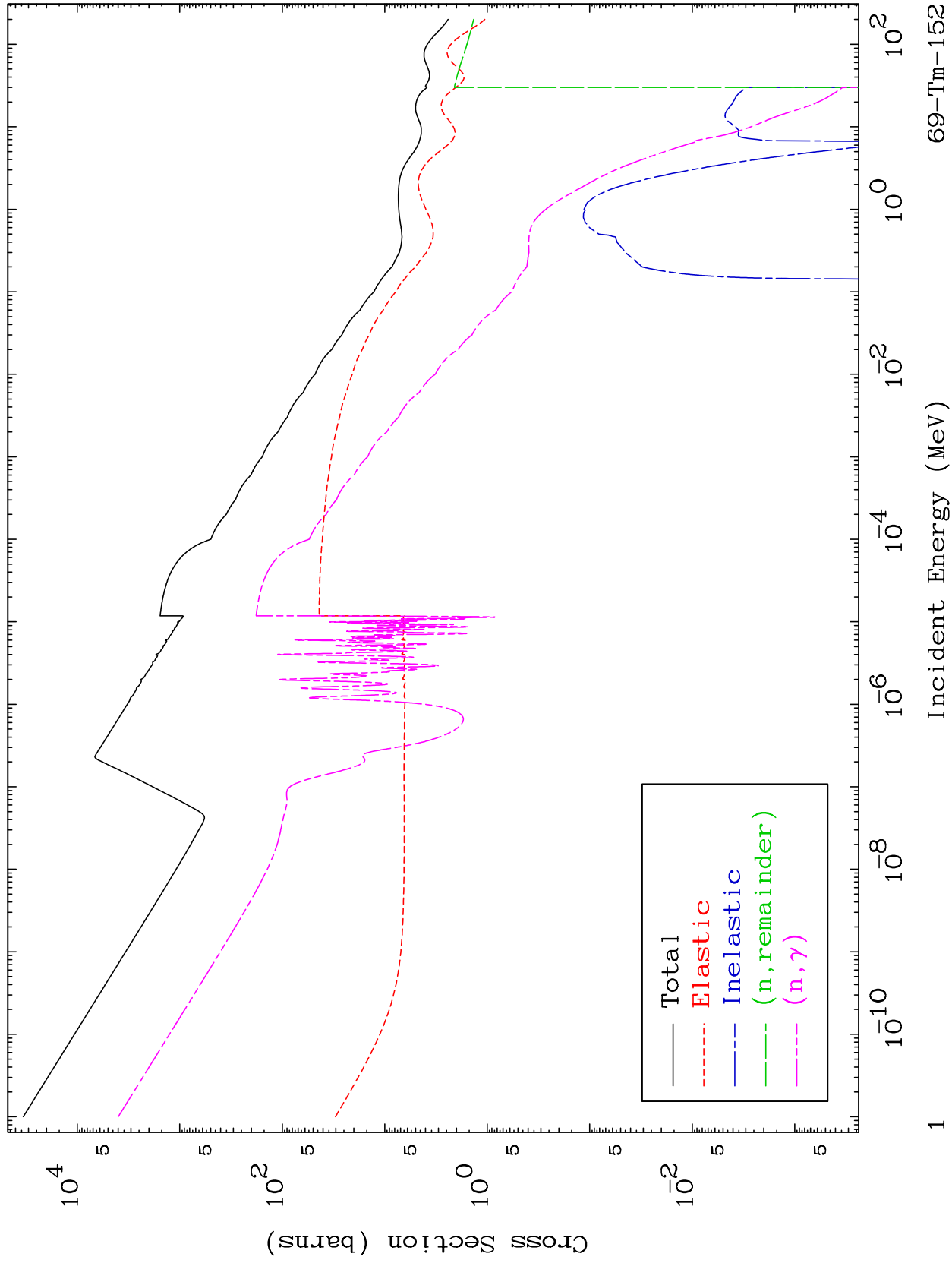
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6874

Major
293 Kelvin Cross Sections

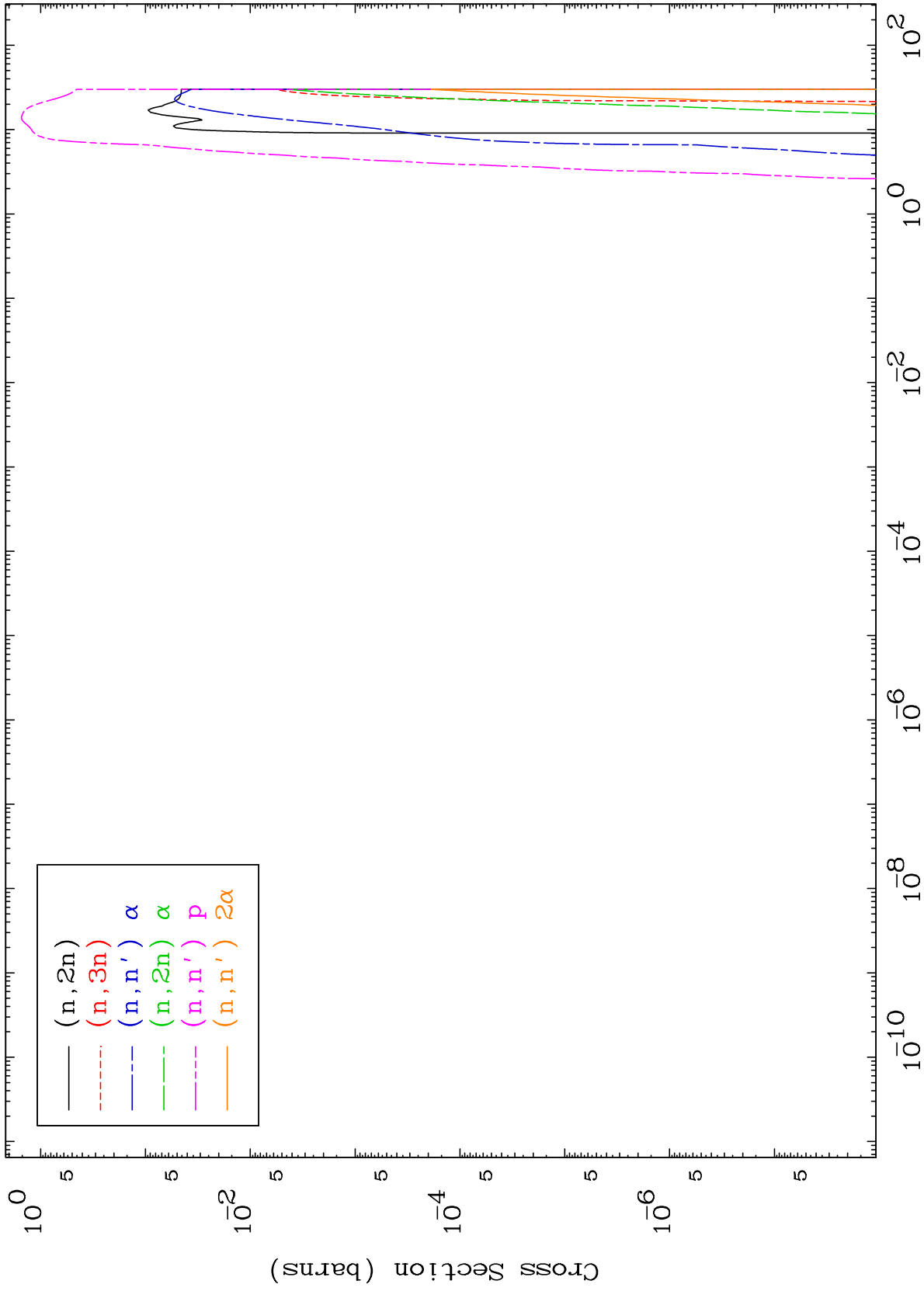
69-Tm-152

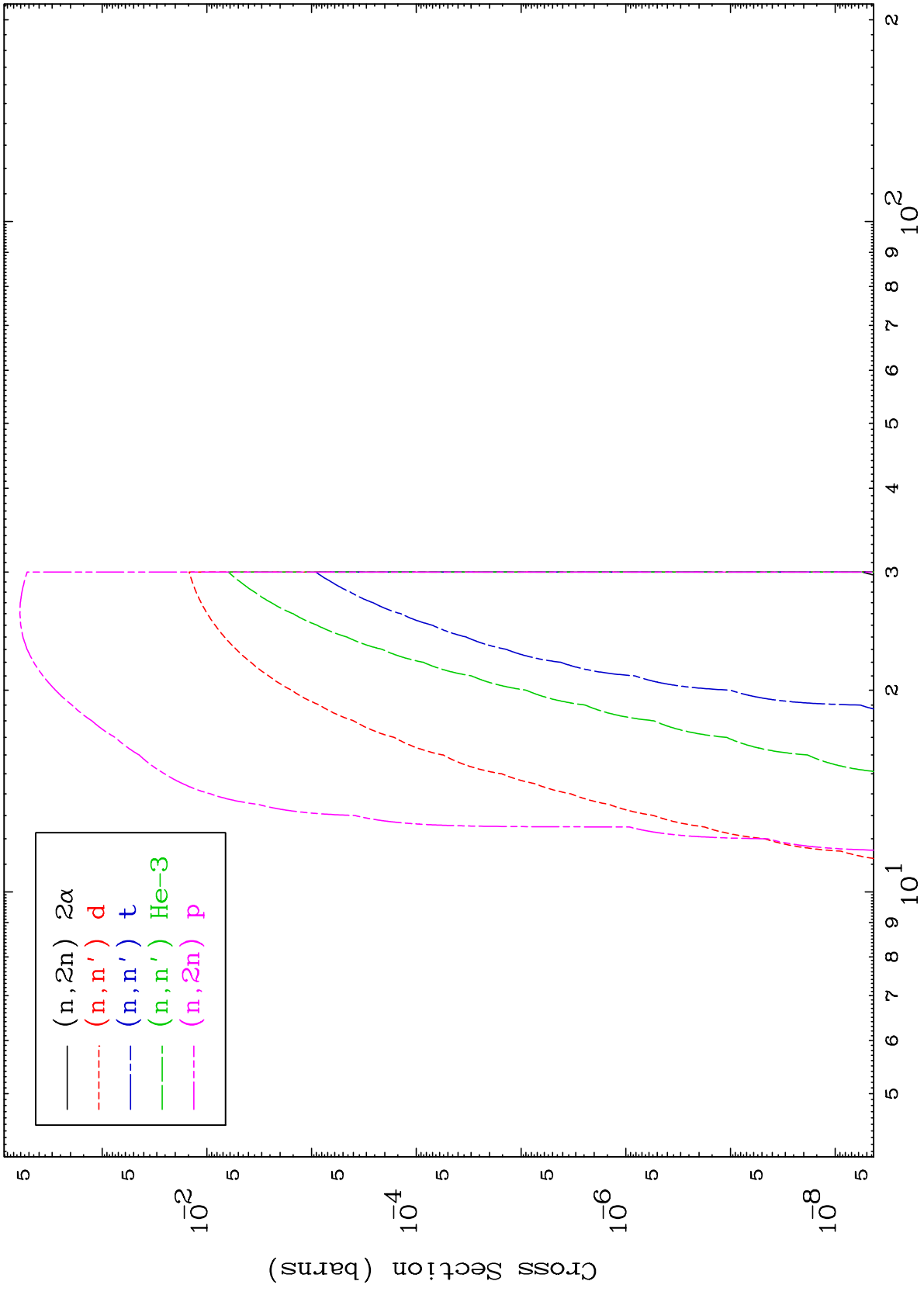


MAT 6874

Neutron Production
293 Kelvin Cross Sections

69-Tm-152

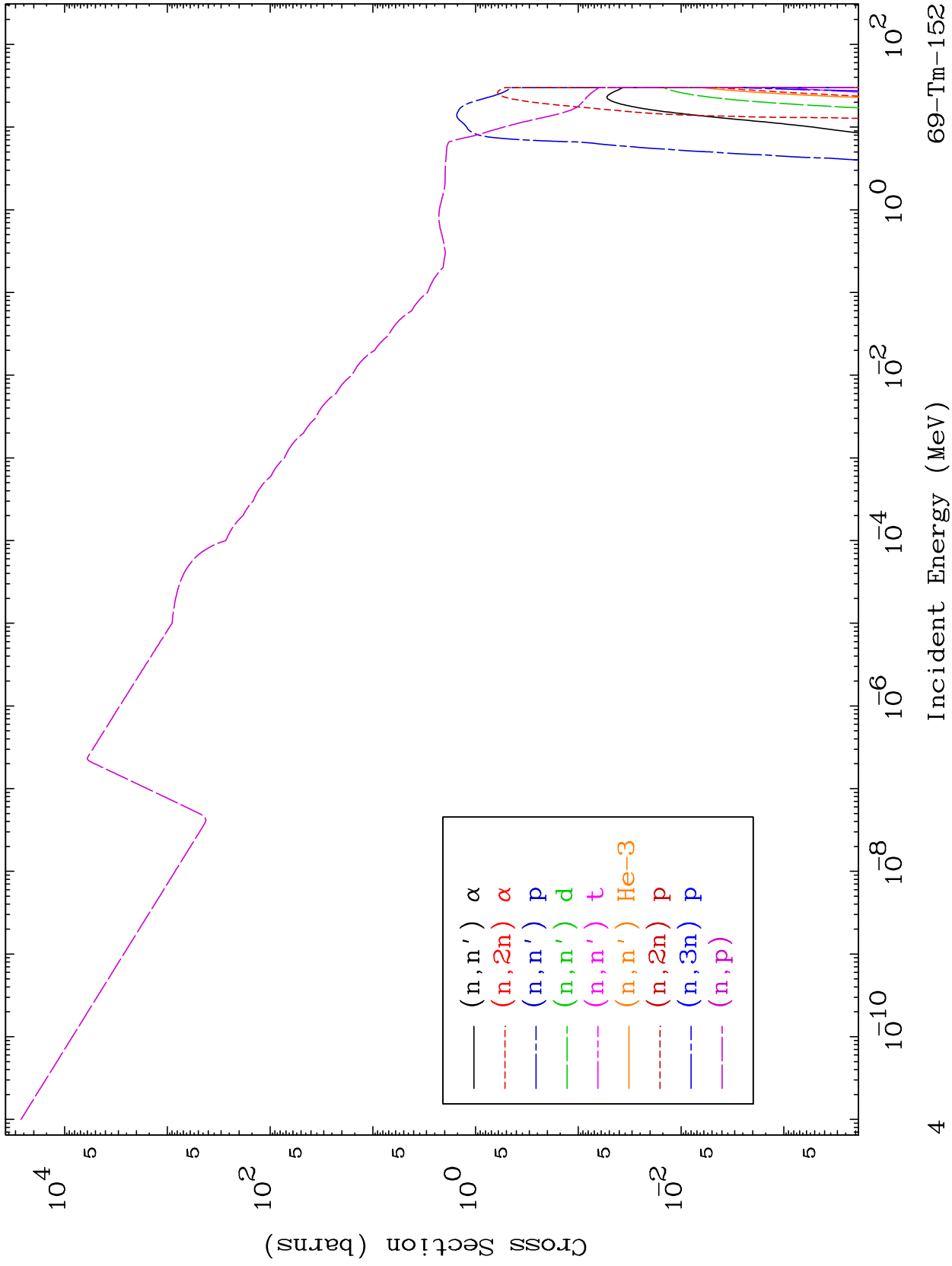




MAT 6874

Charged Particle
293 Kelvin Cross Sections

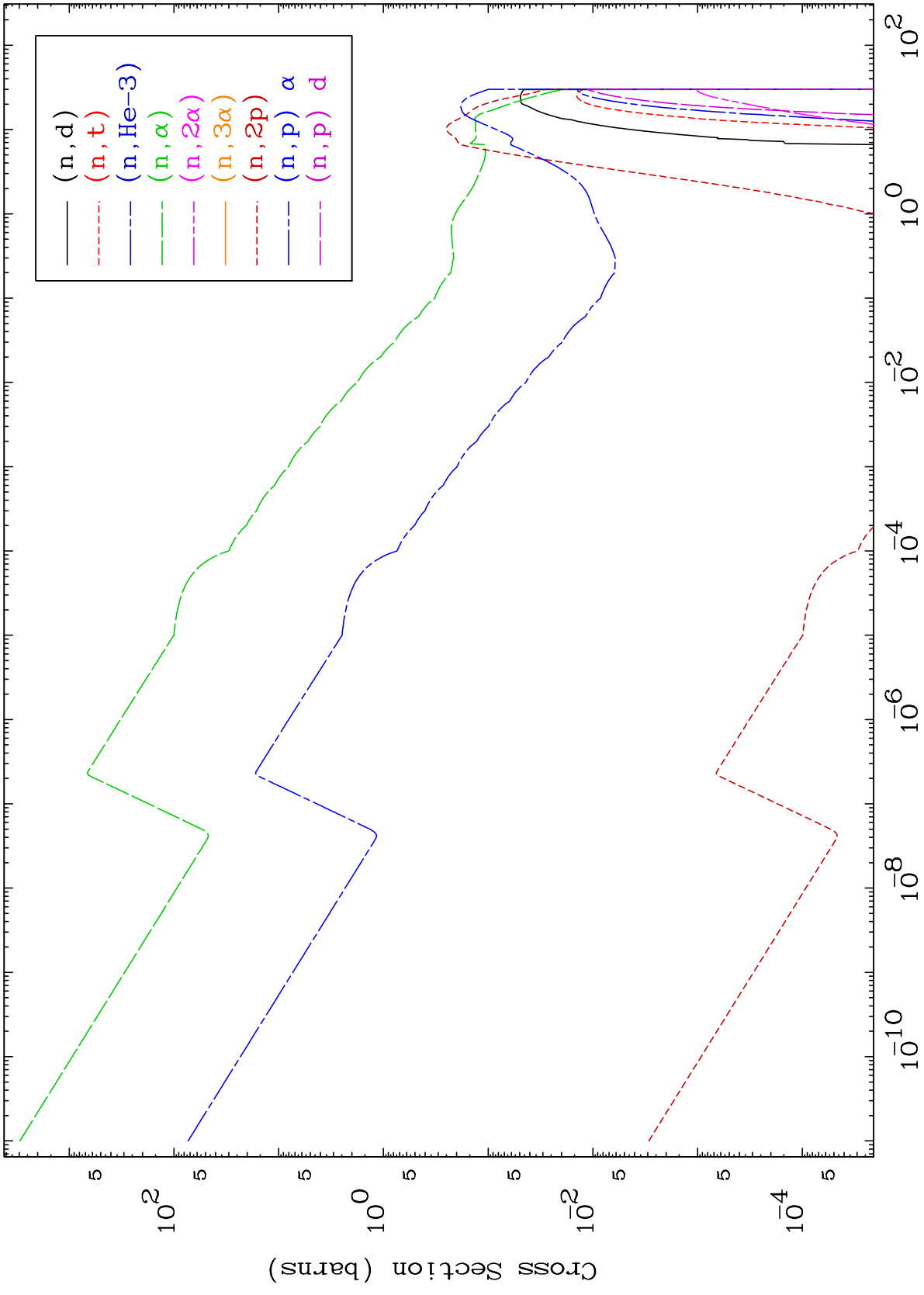
69-Tm-152



MAT 6874

Charged Particle
293 Kelvin Cross Sections

69-Tm-152



5

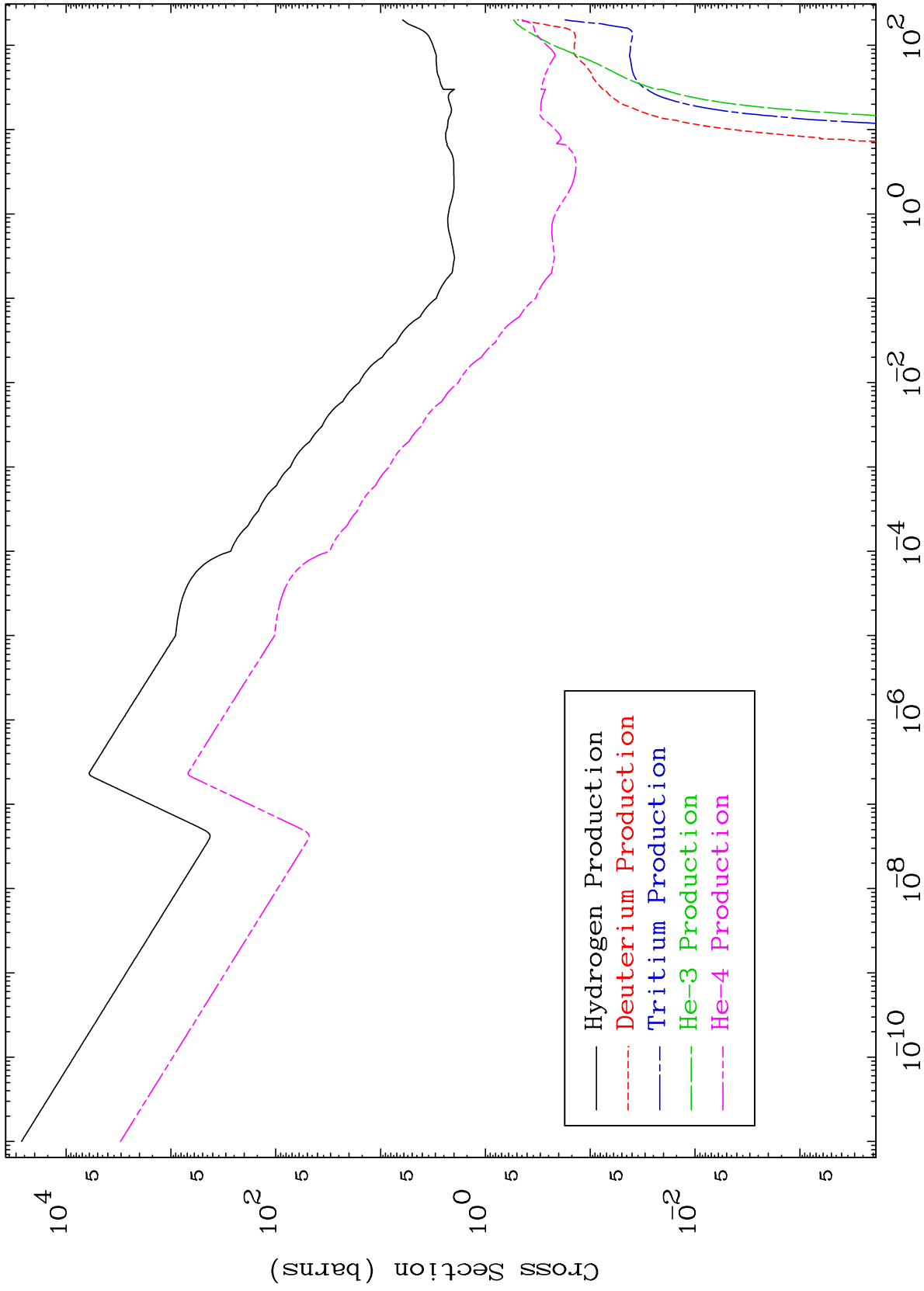
Incident Energy (MeV)

69-Tm-152

MAT 6874

Particle Production
293 Kelvin Cross Sections

69-Tm-152

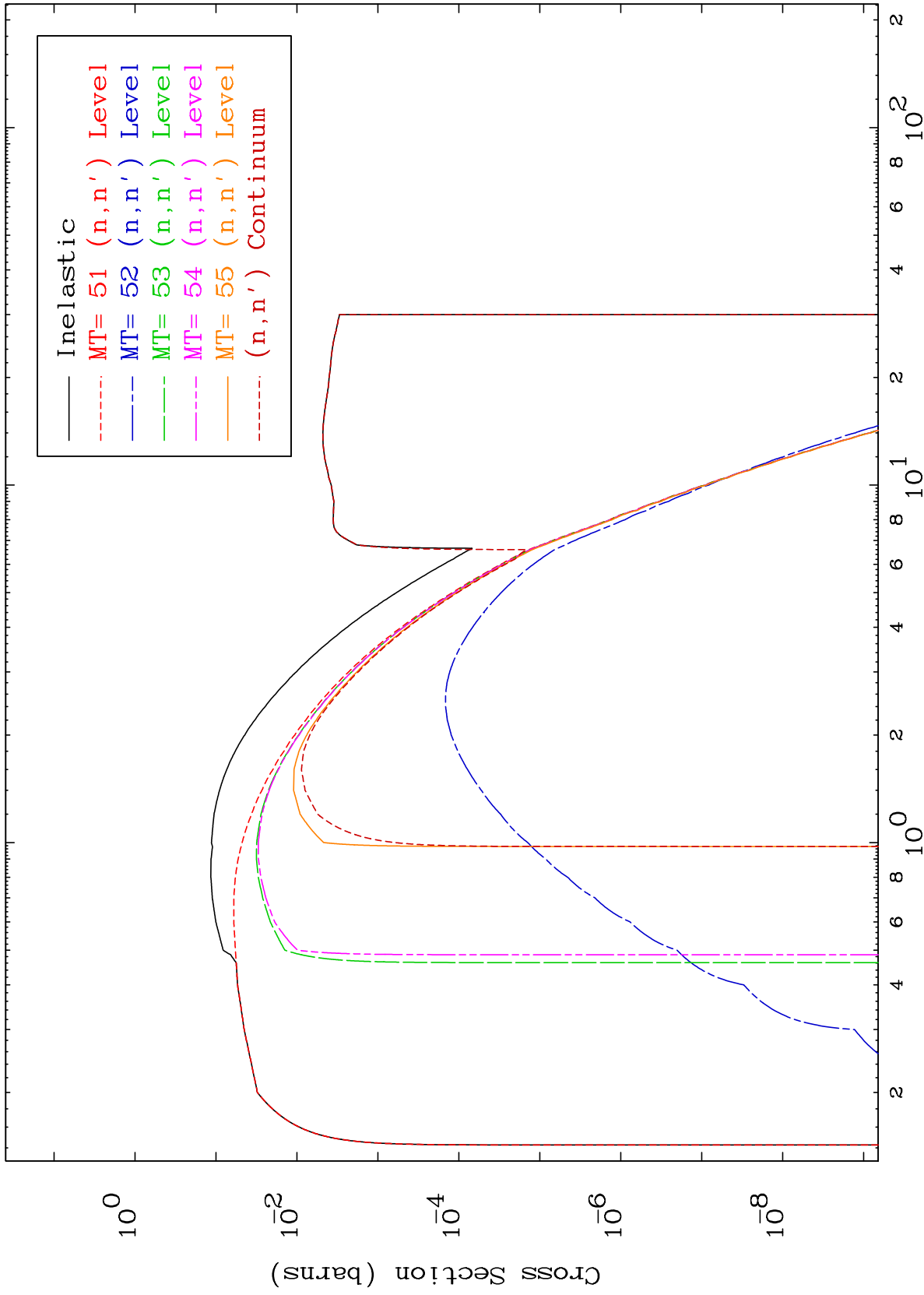


MAT 6874

(n,n') Level

69-Tm-152

293 Kelvin Cross Sections



7

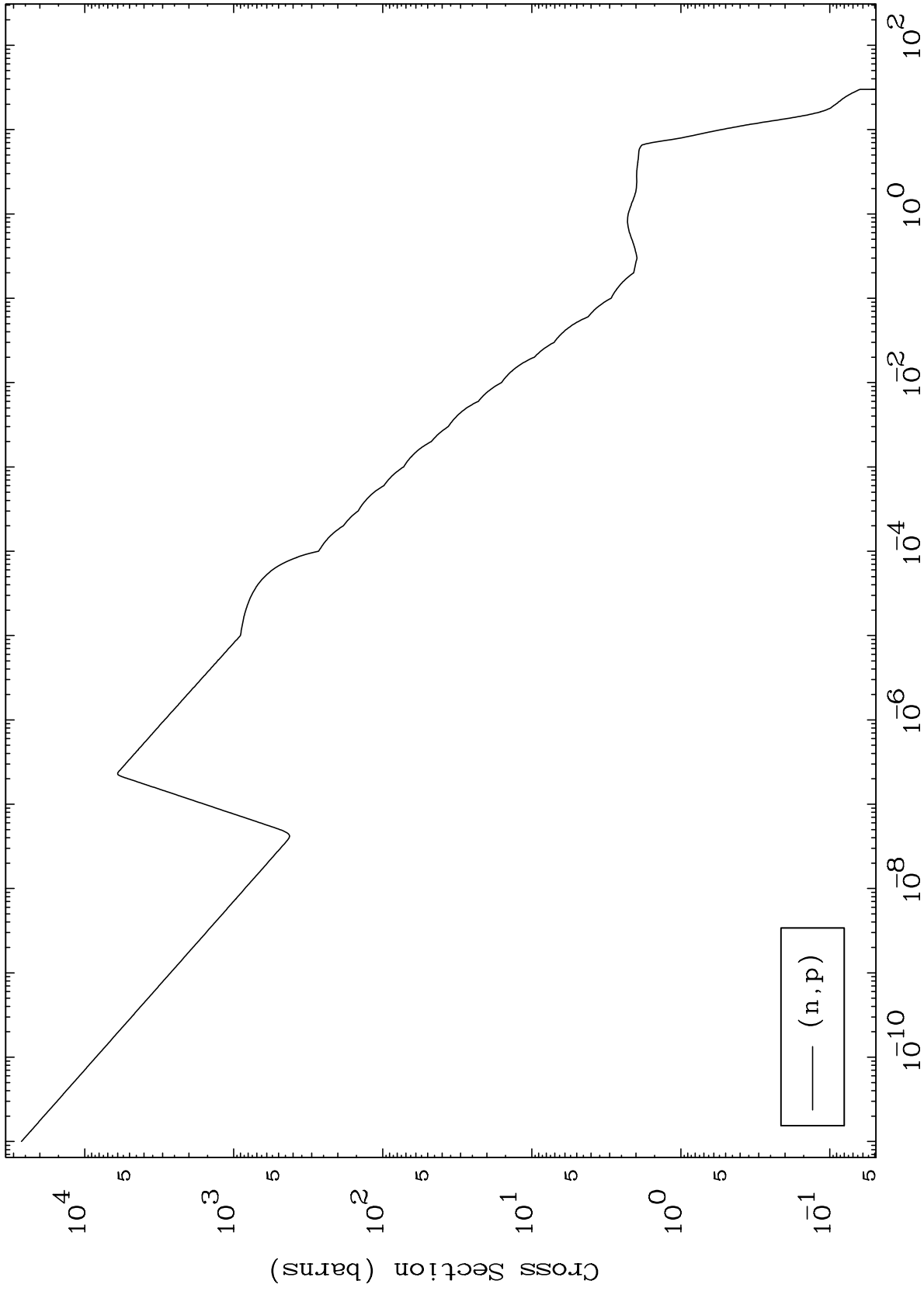
Incident Energy (MeV)

69-Tm-152

MAT 6874

(n,p) Levels
293 Kelvin Cross Sections

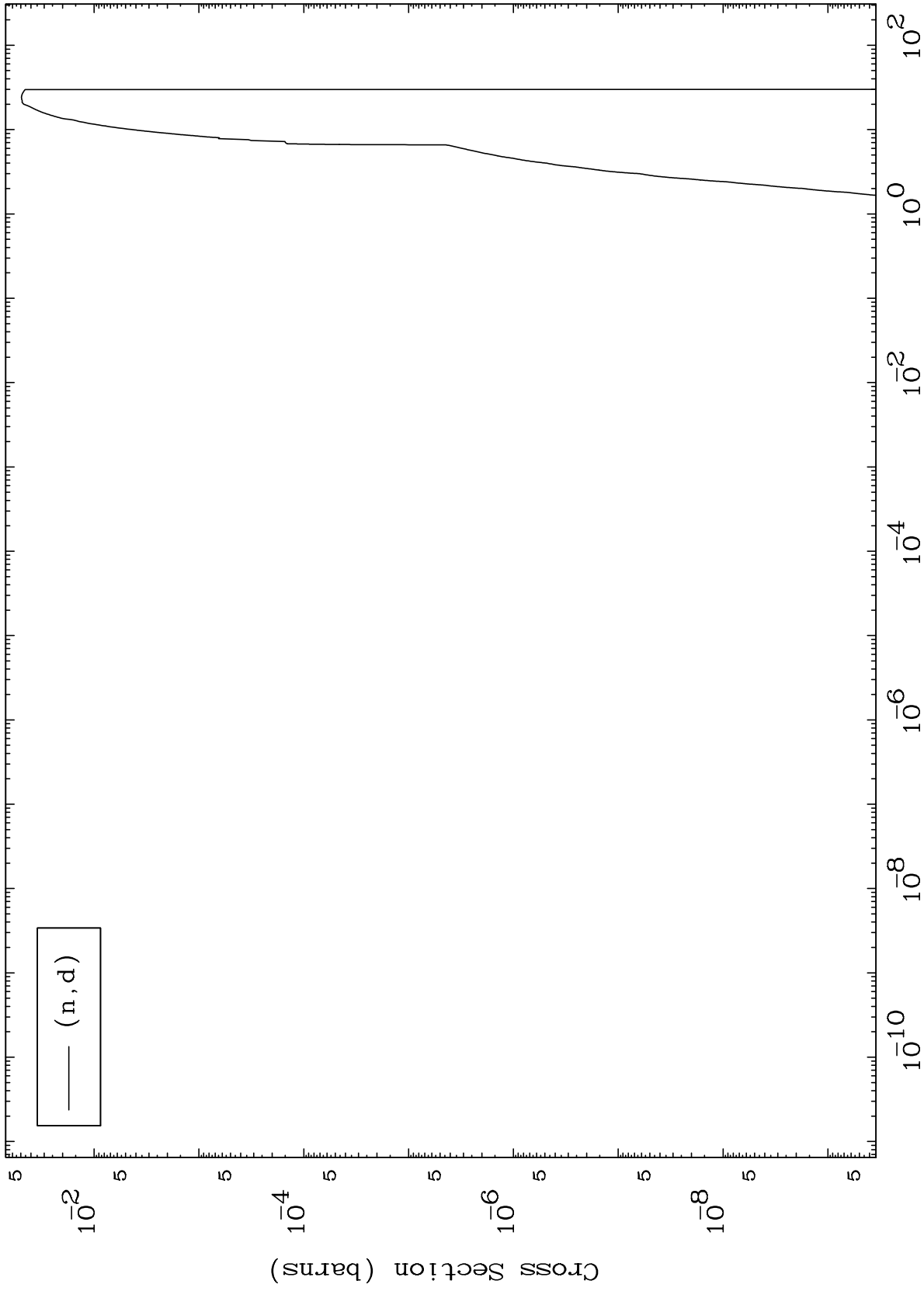
69-Tm-152



MAT 6874

(n,d) Levels
293 Kelvin Cross Sections

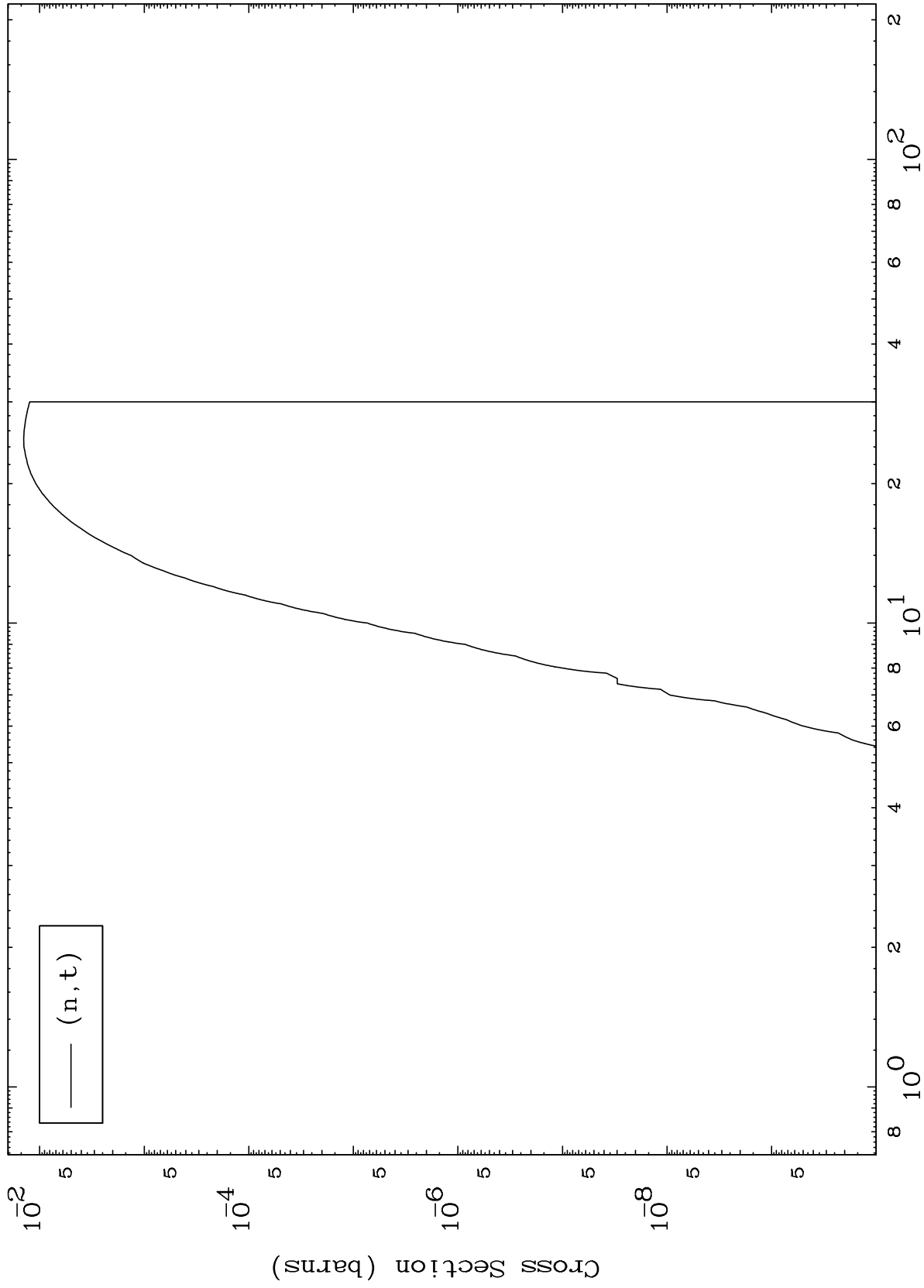
69-Tm-152



MAT 6874

(n,t) Levels
293 Kelvin Cross Sections

69-Tm-152



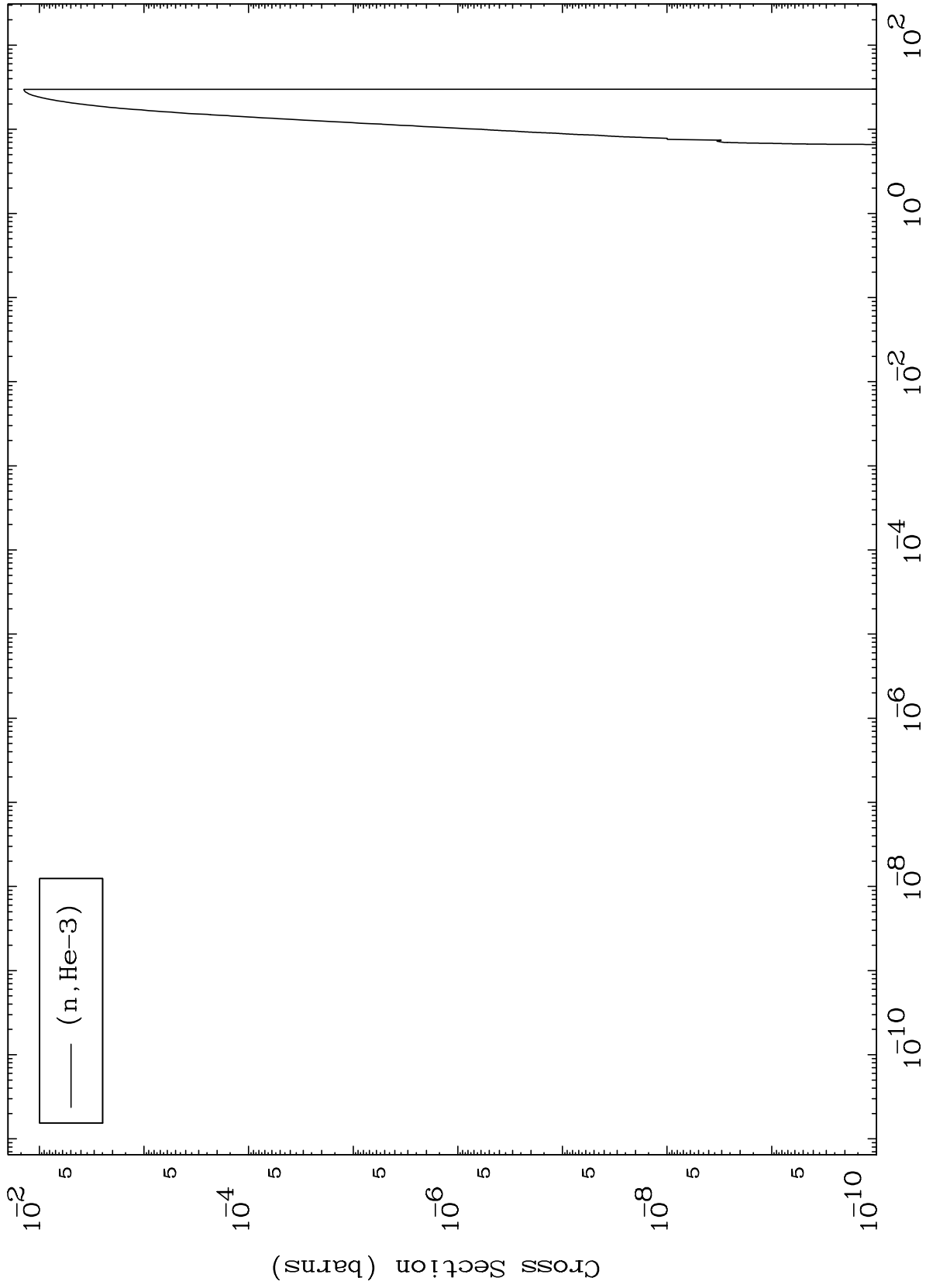
Incident Energy (MeV)

69-Tm-152

MAT 6874

(n,He3) Levels
293 Kelvin Cross Sections

69-Tm-152



11

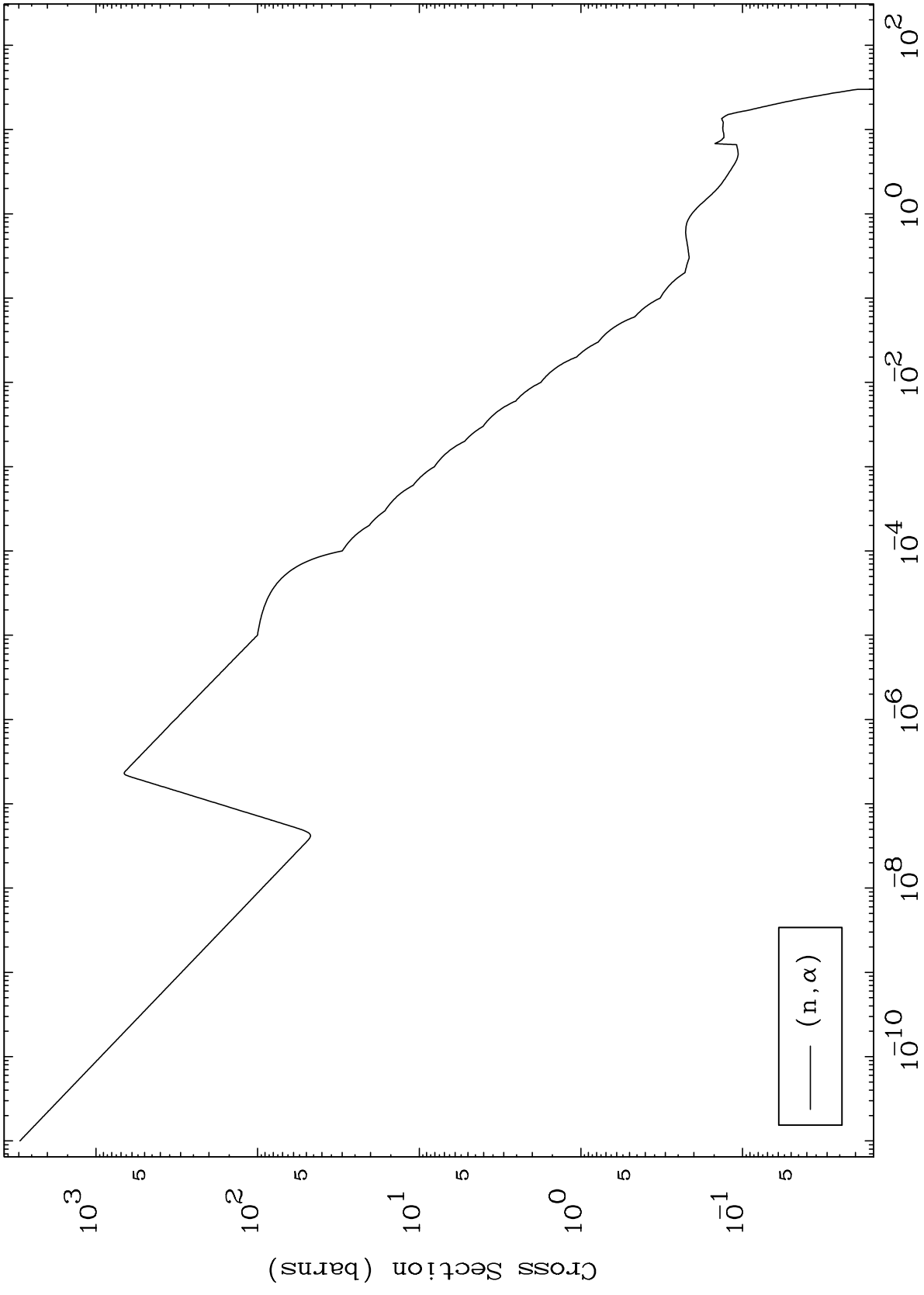
Incident Energy (MeV)

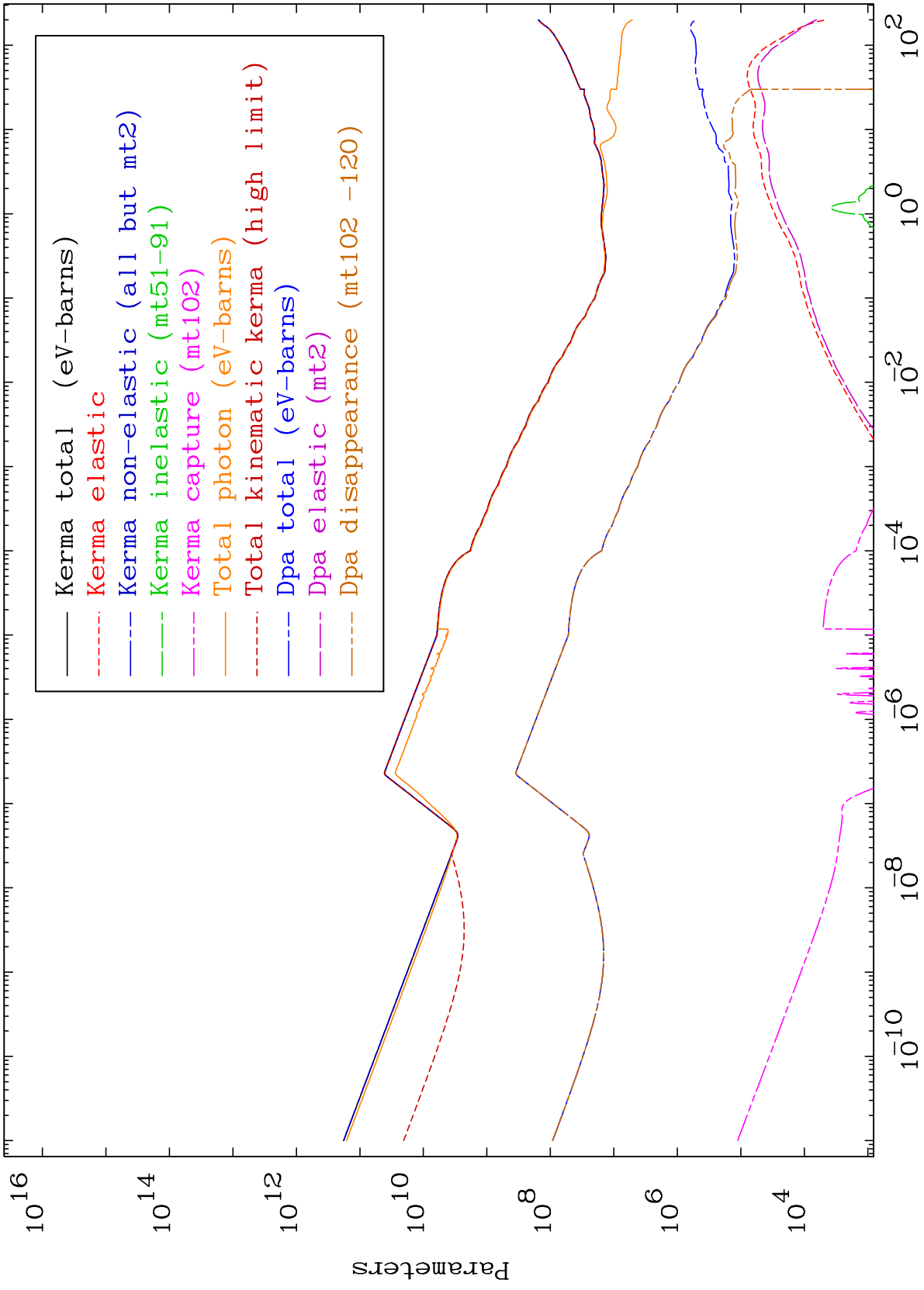
69-Tm-152

MAT 6874

(n,α) Levels
293 Kelvin Cross Sections

69-Tm-152

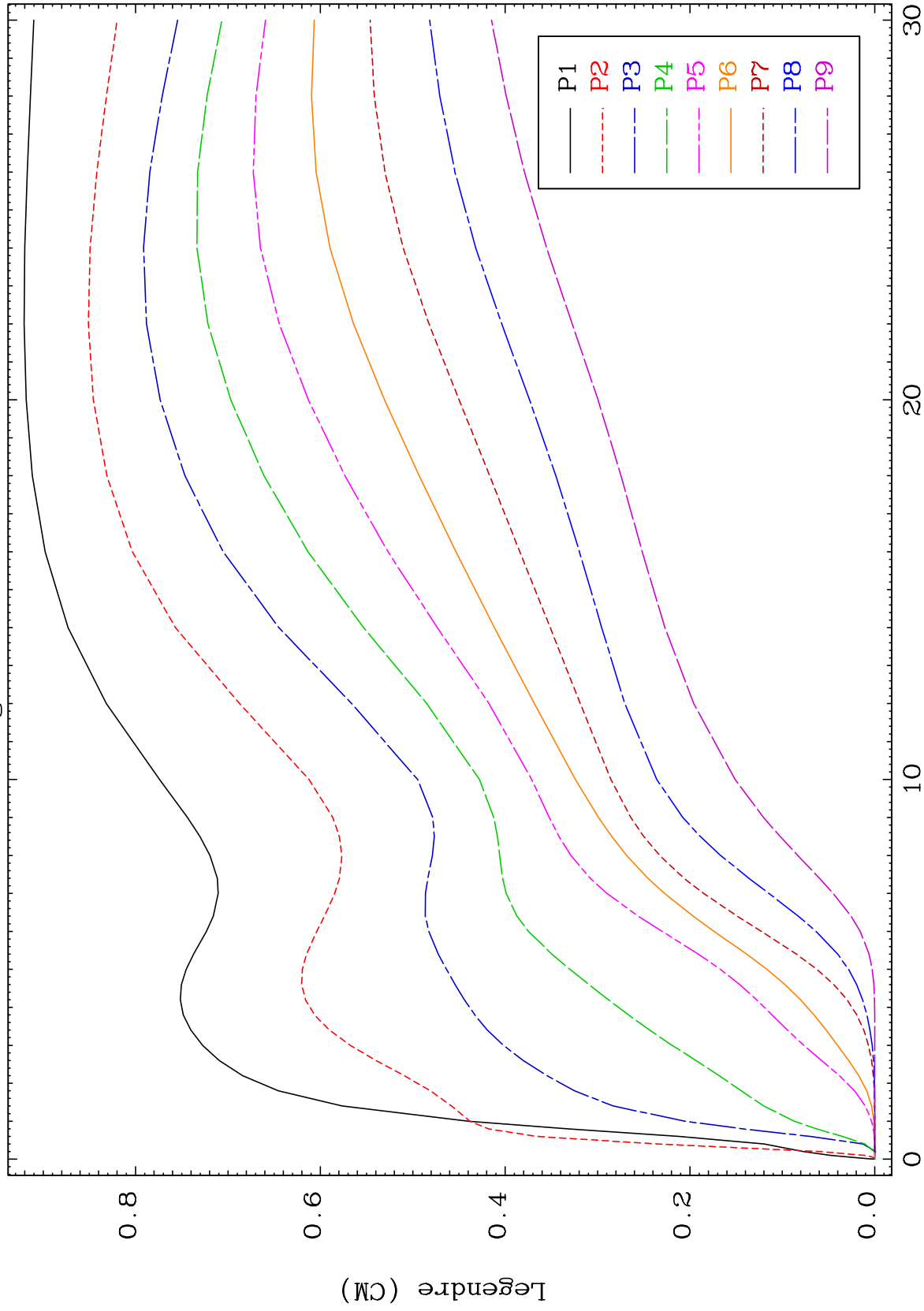




MAT 6874

Elastic Legendre Coefficients

69-Tm-152



14

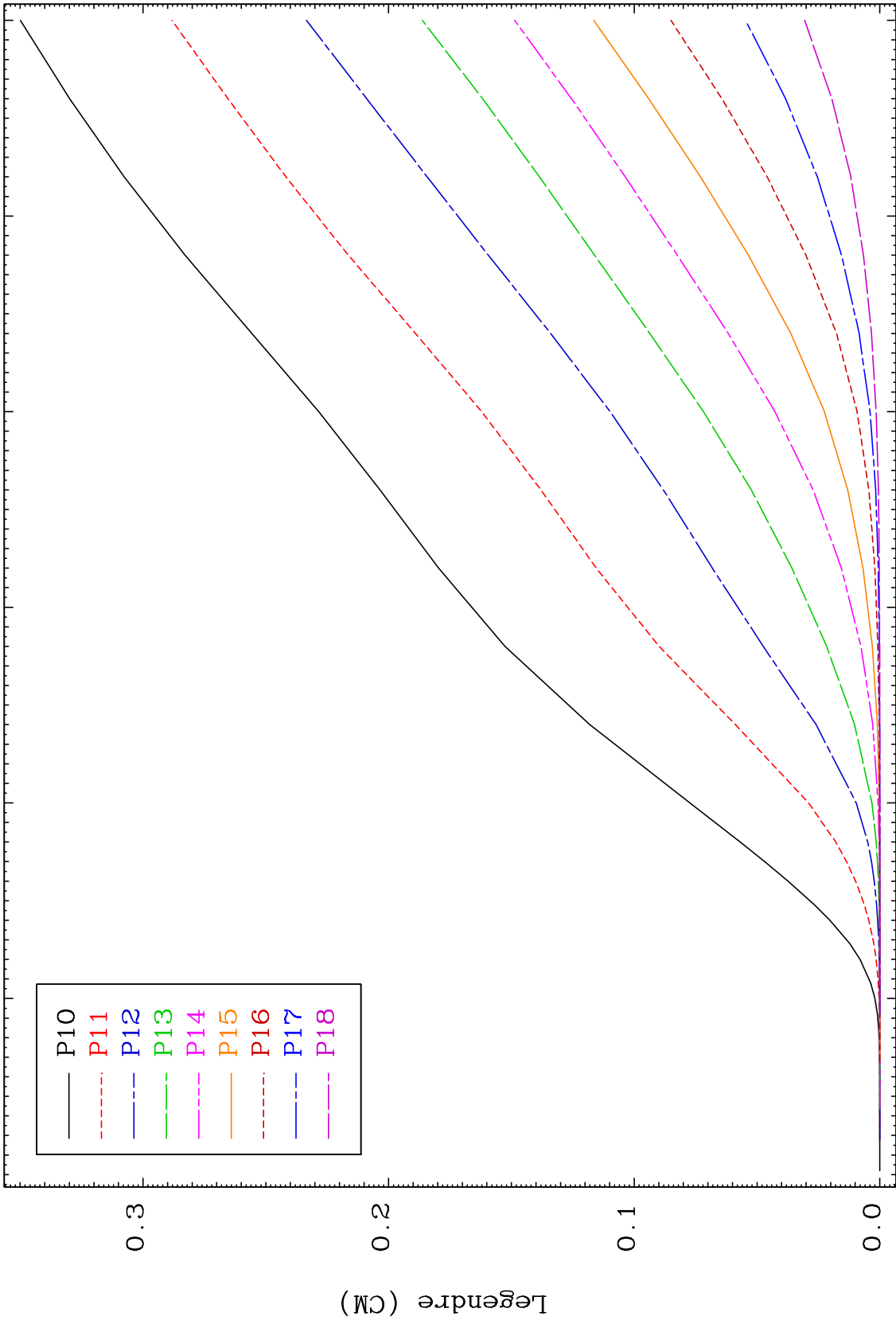
Incident Energy (MeV)

69-Tm-152

MAT 6874

Elastic Legendre Coefficients

69-Tm-152



15

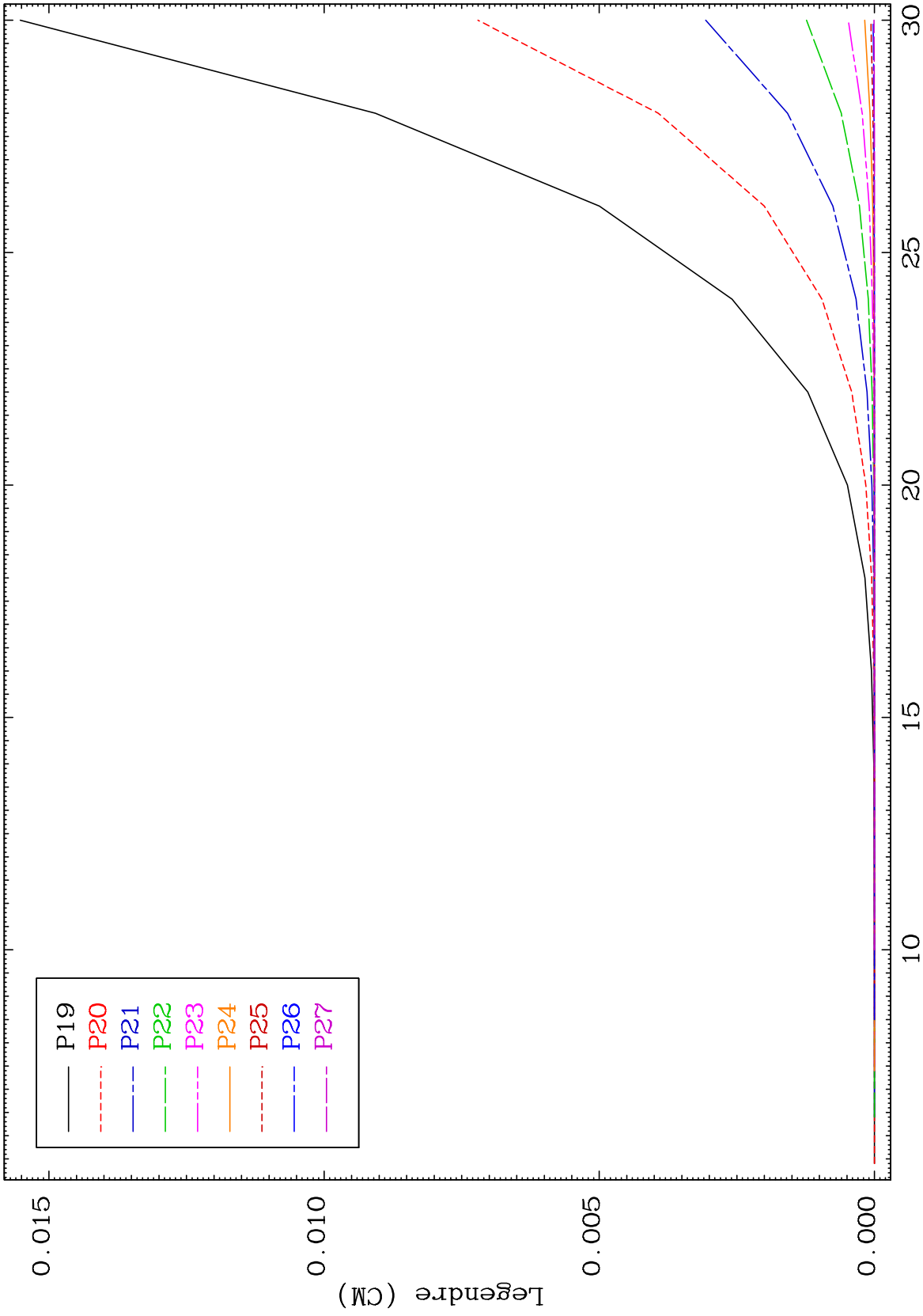
Incident Energy (MeV)

69-Tm-152

MAT 6874

Elastic Legendre Coefficients

69-Tm-152



16

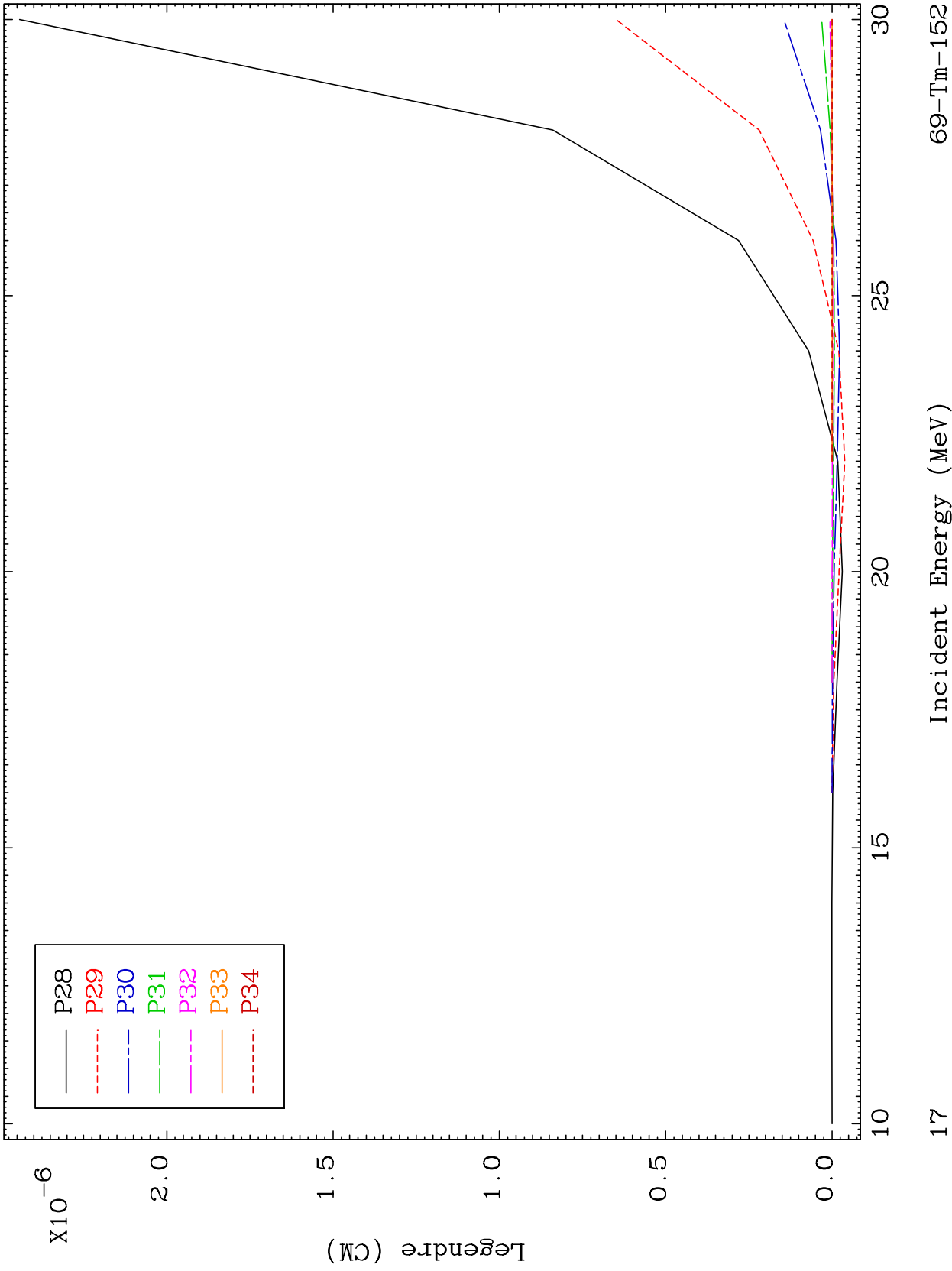
Incident Energy (MeV)

69-Tm-152

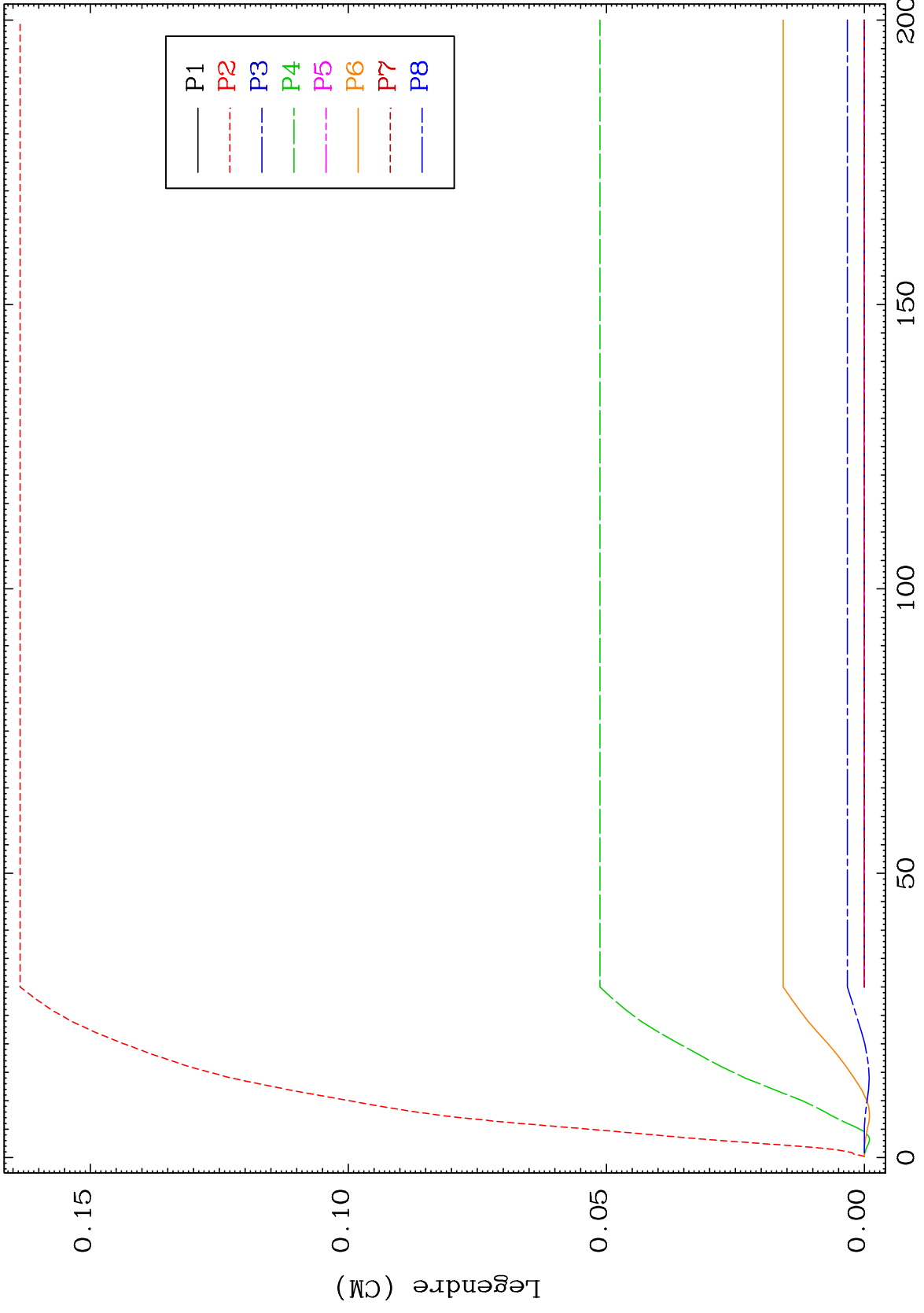
MAT 6874

Elastic Legendre Coefficients

69-Tm-152



MAT 6874 MT= 51 (n,n') Level Legendre Coefficients 69-Tm-152

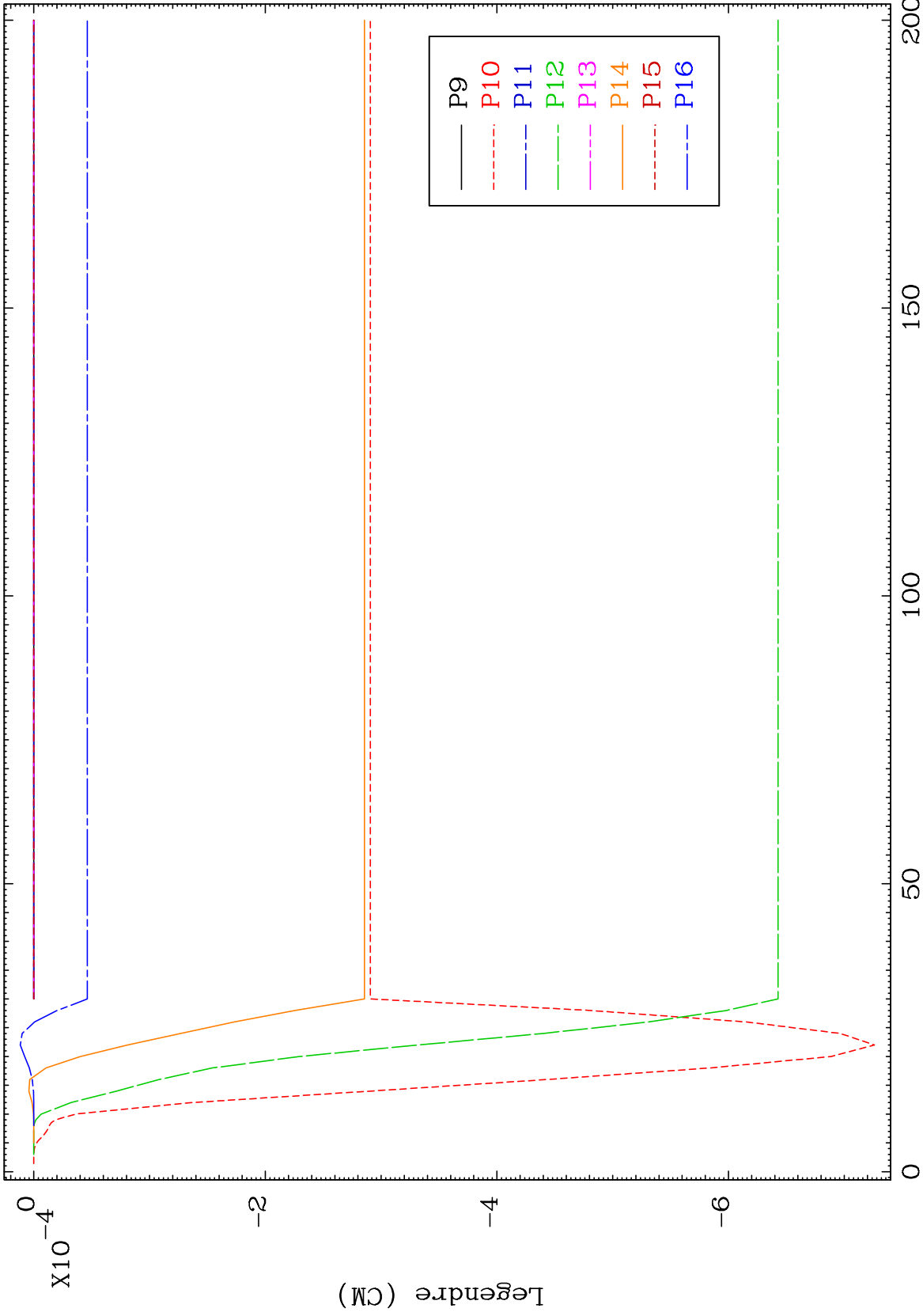


18 Incident Energy (MeV) 69-Tm-152

MAT 6874

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

69-Tm-152



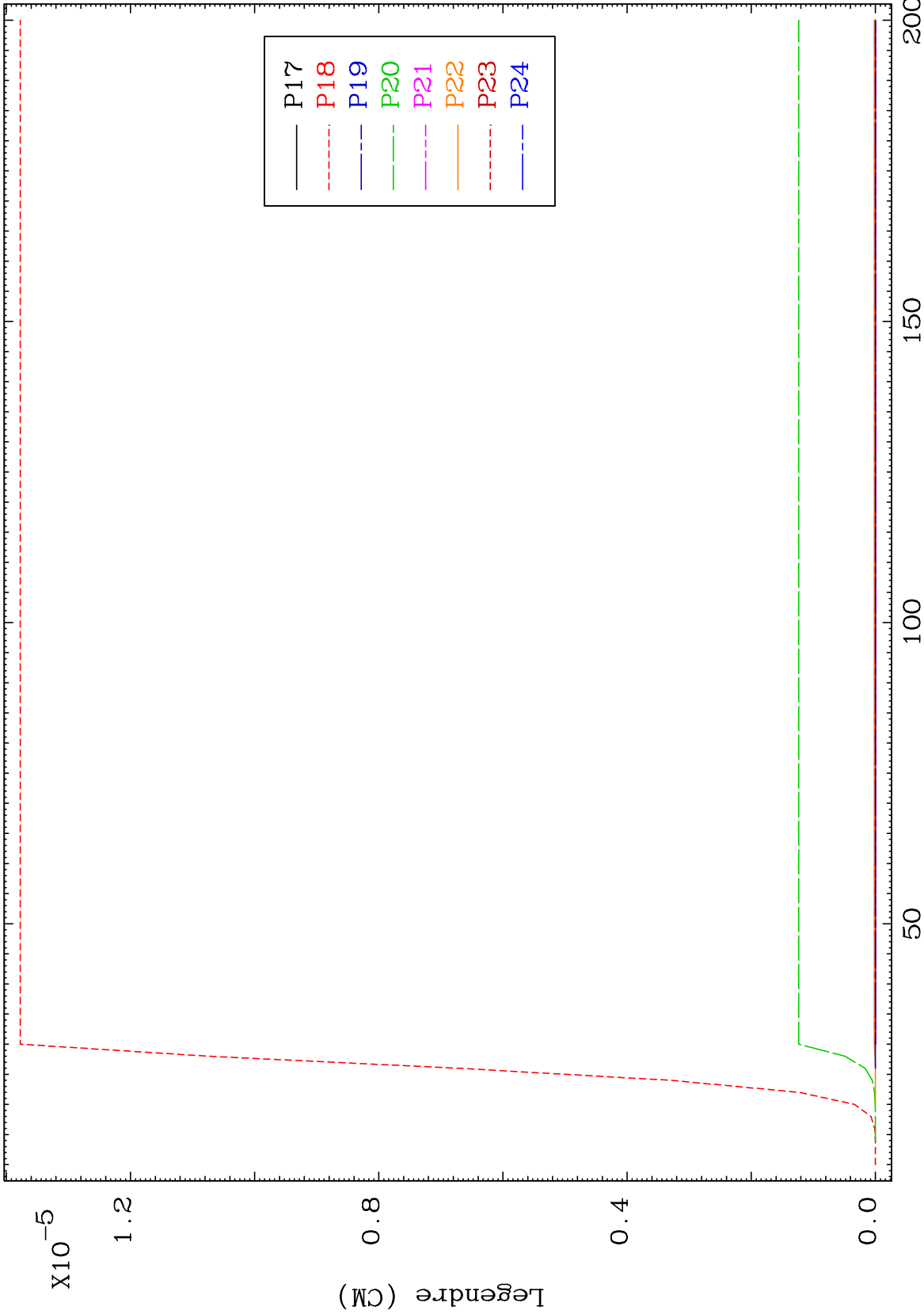
19

69-Tm-152

MAT 6874

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

69-Tm-152



20

50

100

150

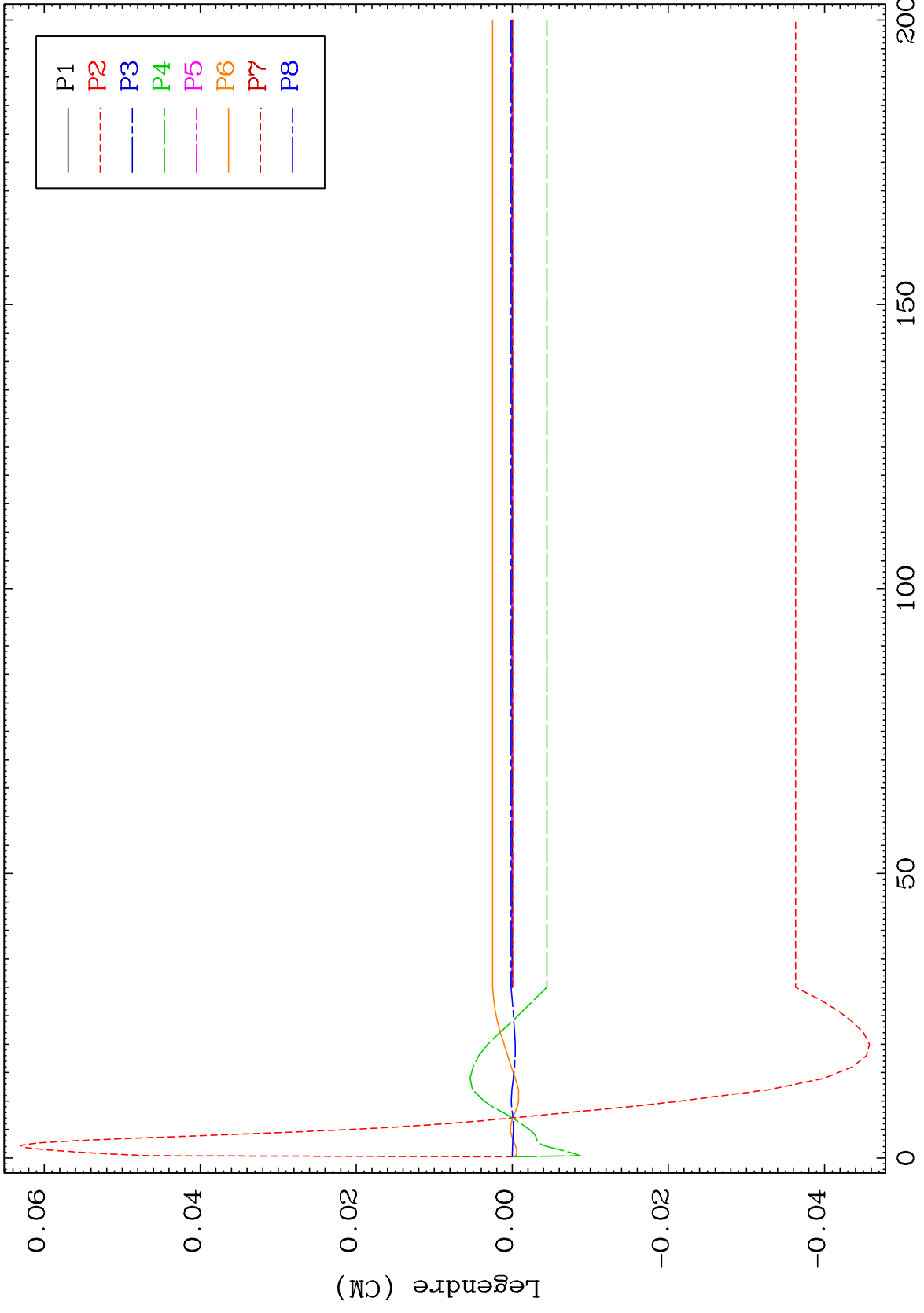
200

69-Tm-152

MAT 6874

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

69-Tm-152



21

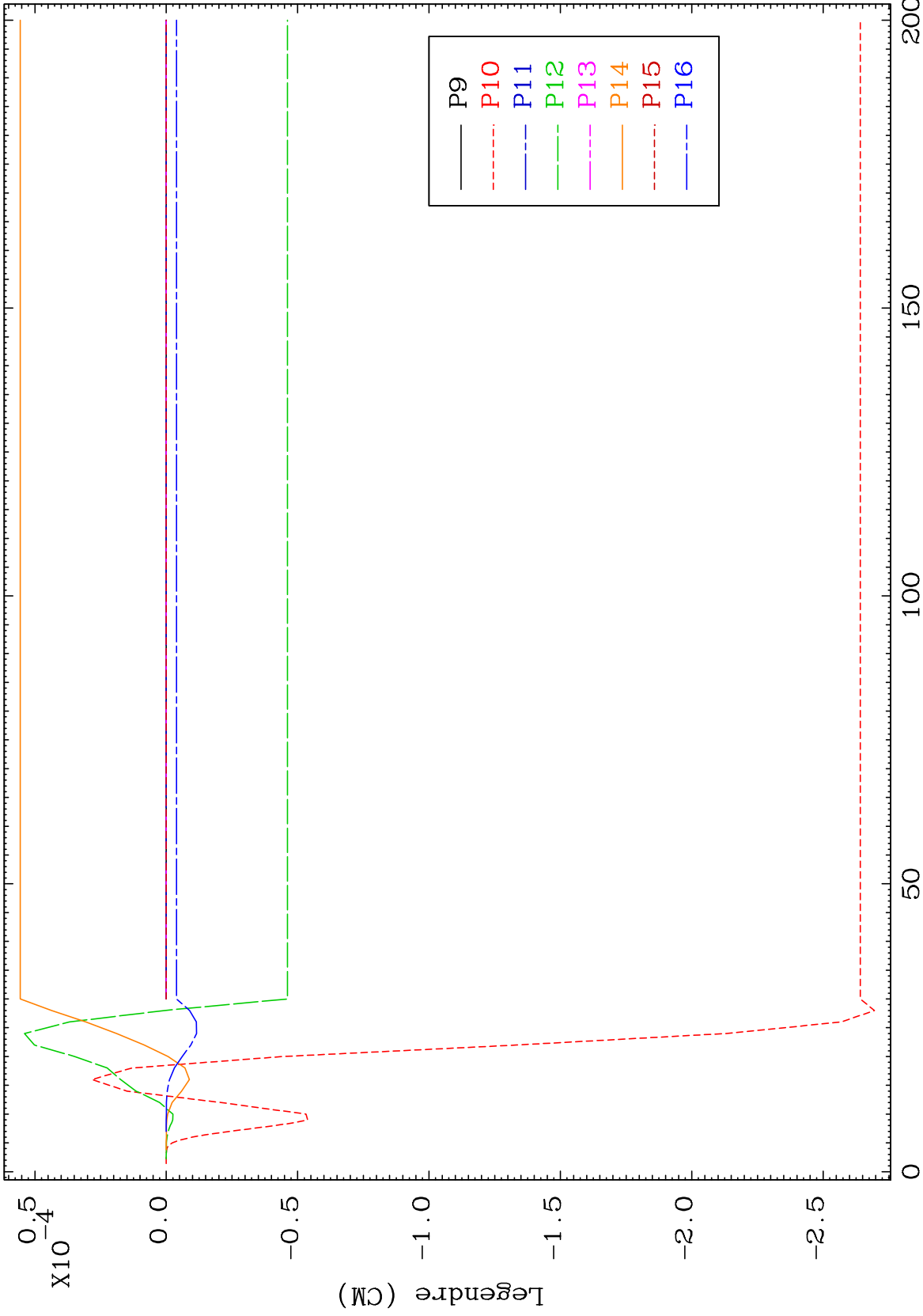
Incident Energy (MeV)

69-Tm-152

MAT 6874

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

69-Tm-152



22

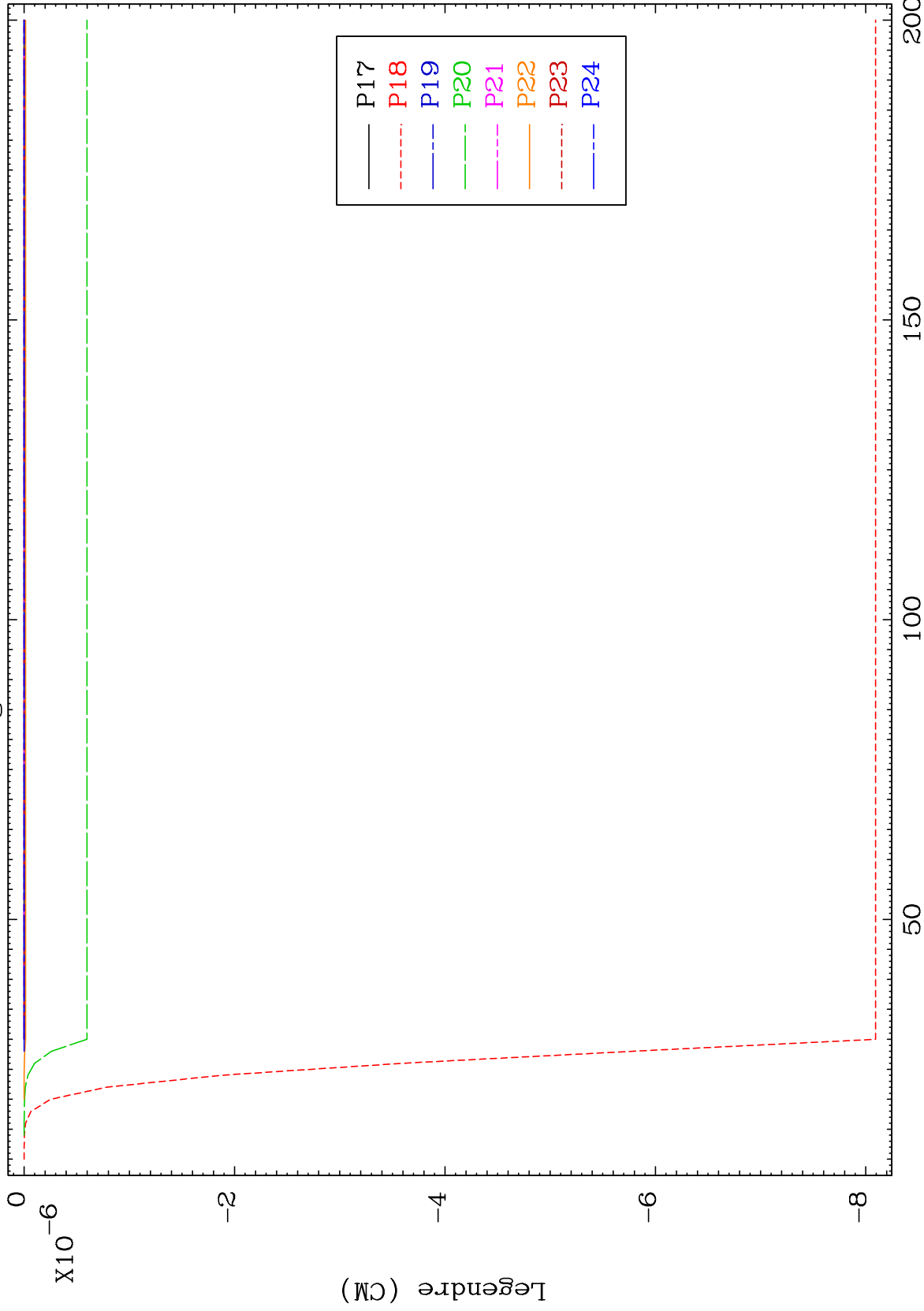
Incident Energy (MeV)

69-Tm-152

MAT 6874

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

69-Tm-152



23

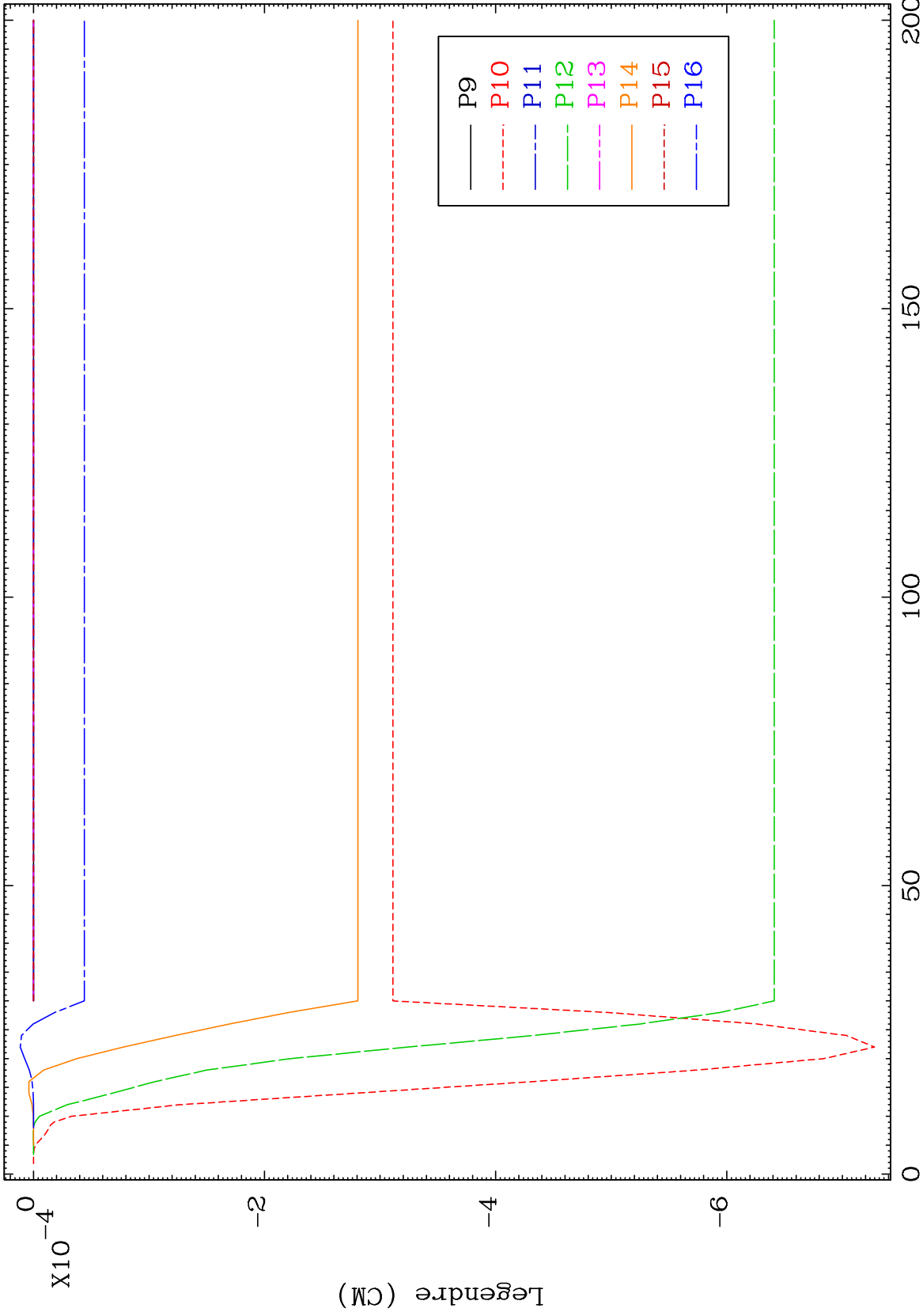
Incident Energy (MeV)

69-Tm-152

MAT 6874

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

69-Tm-152



25

Incident Energy (MeV)

50

69-Tm-152

100

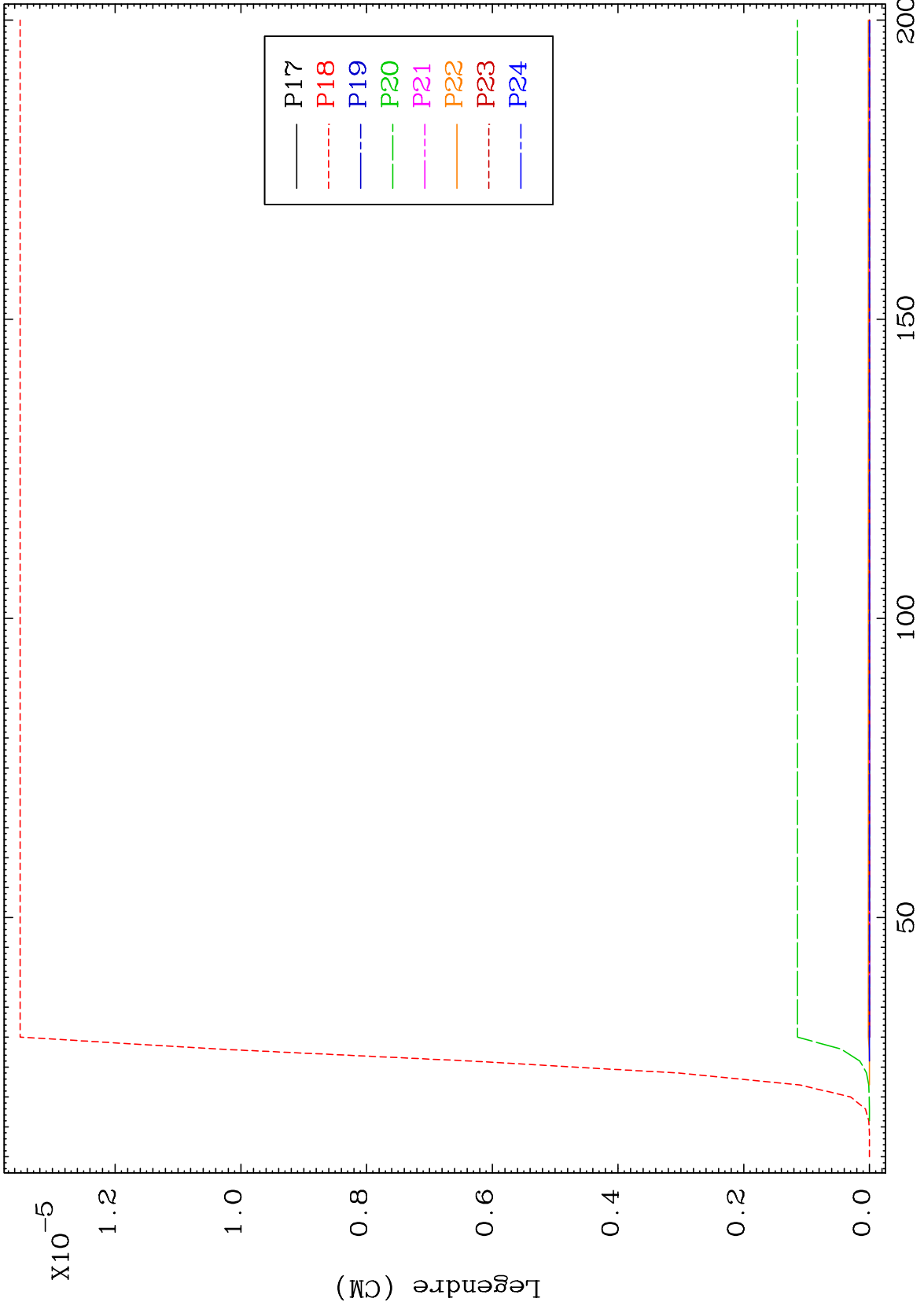
150

200

MAT 6874

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

69-Tm-152



26

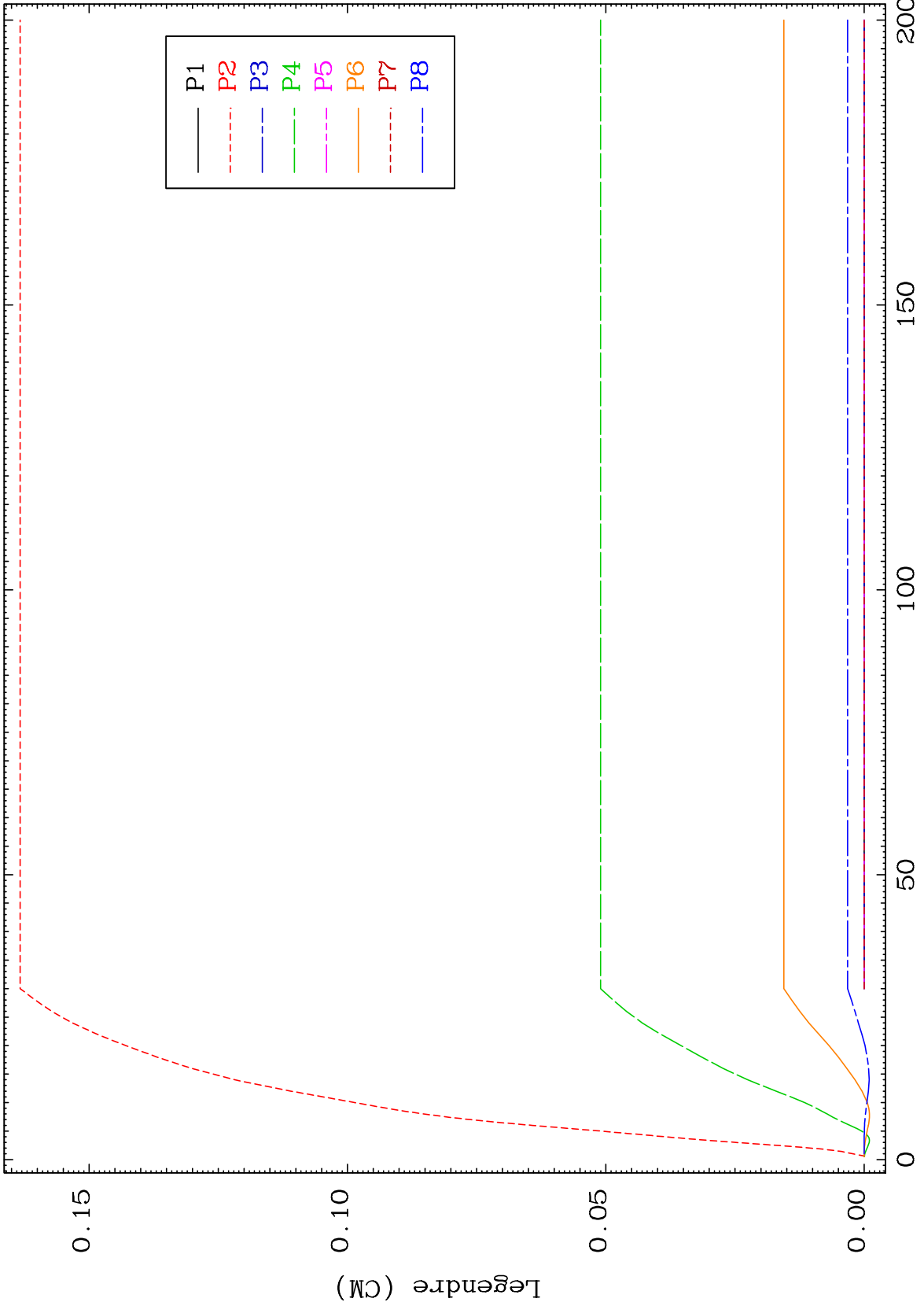
Incident Energy (MeV)

69-Tm-152

MAT 6874

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

69-Tm-152



27

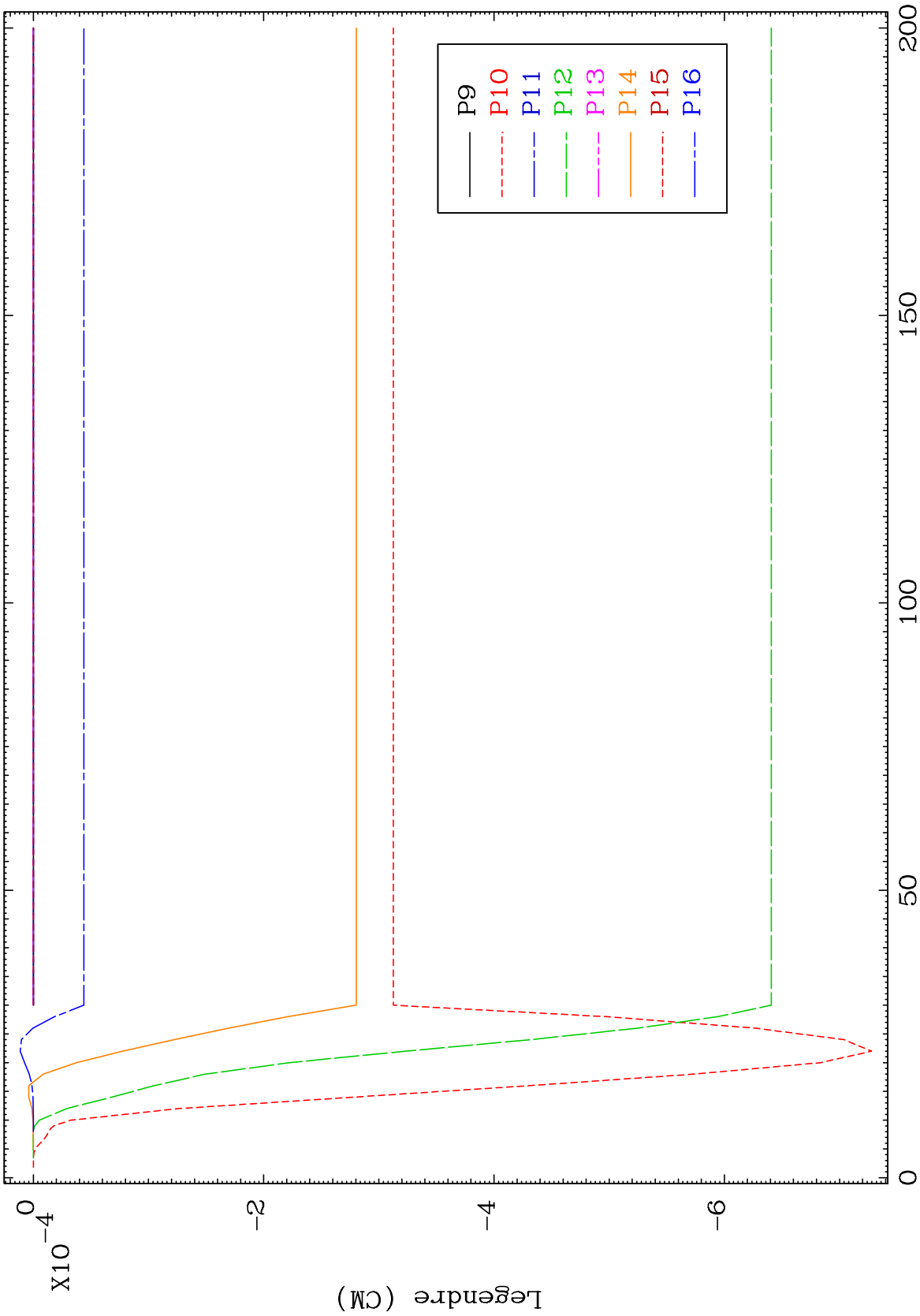
Incident Energy (MeV)

69-Tm-152

MAT 6874

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

69-Tm-152



28

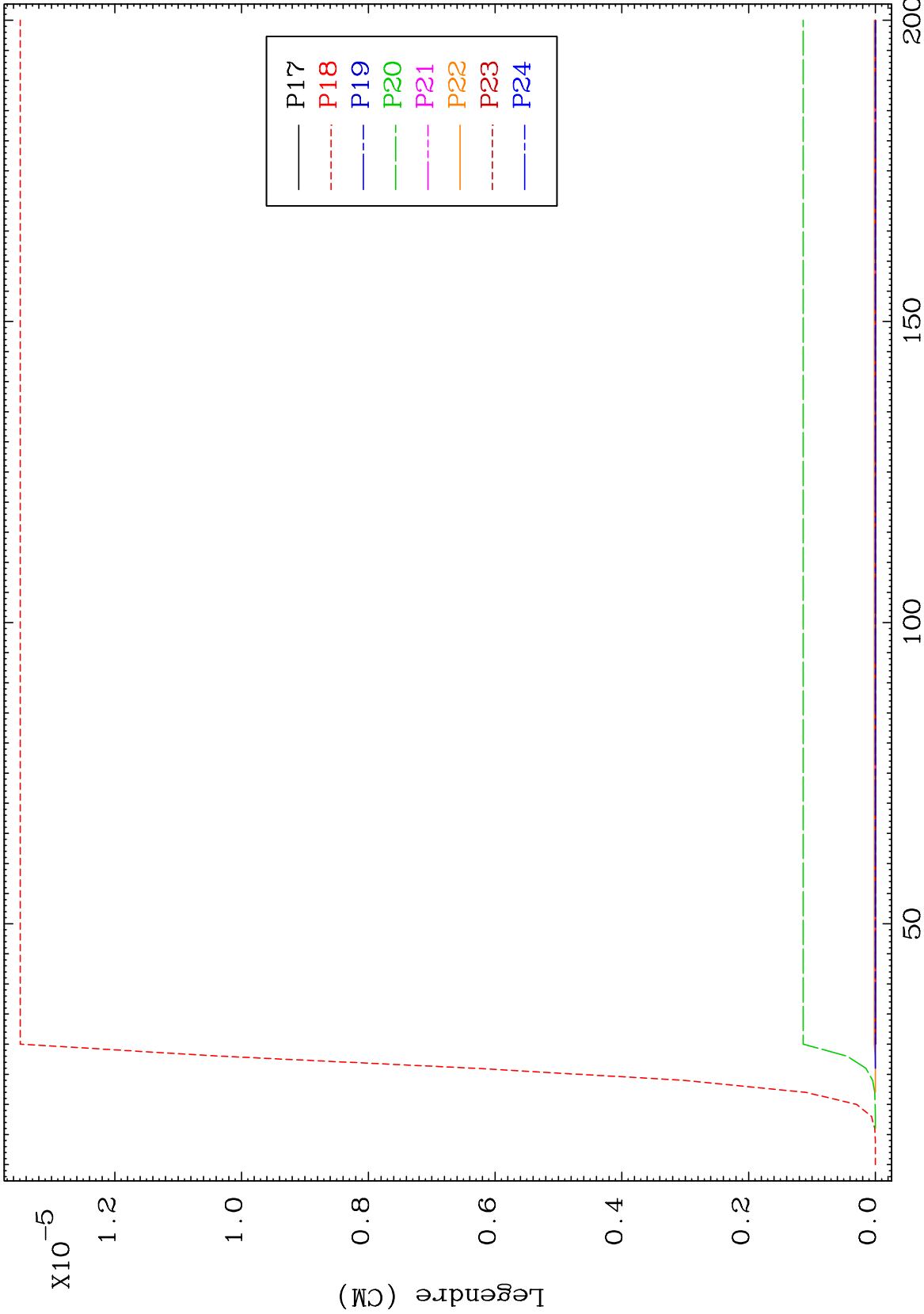
Incident Energy (MeV)

69-Tm-152

MAT 6874

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

69-Tm-152



29

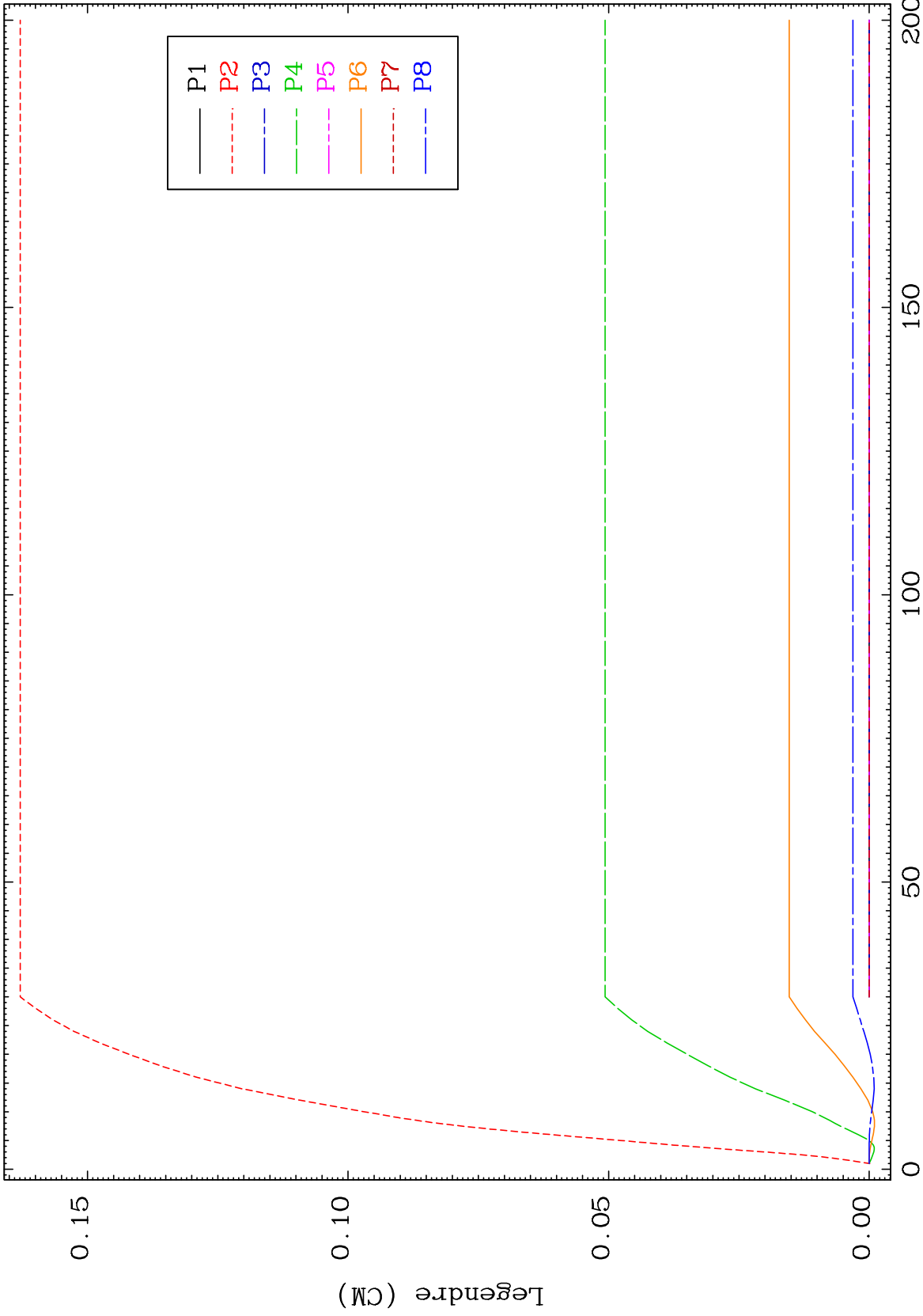
Incident Energy (MeV)

69-Tm-152

MAT 6874

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

69-Tm-152



69-Tm-152

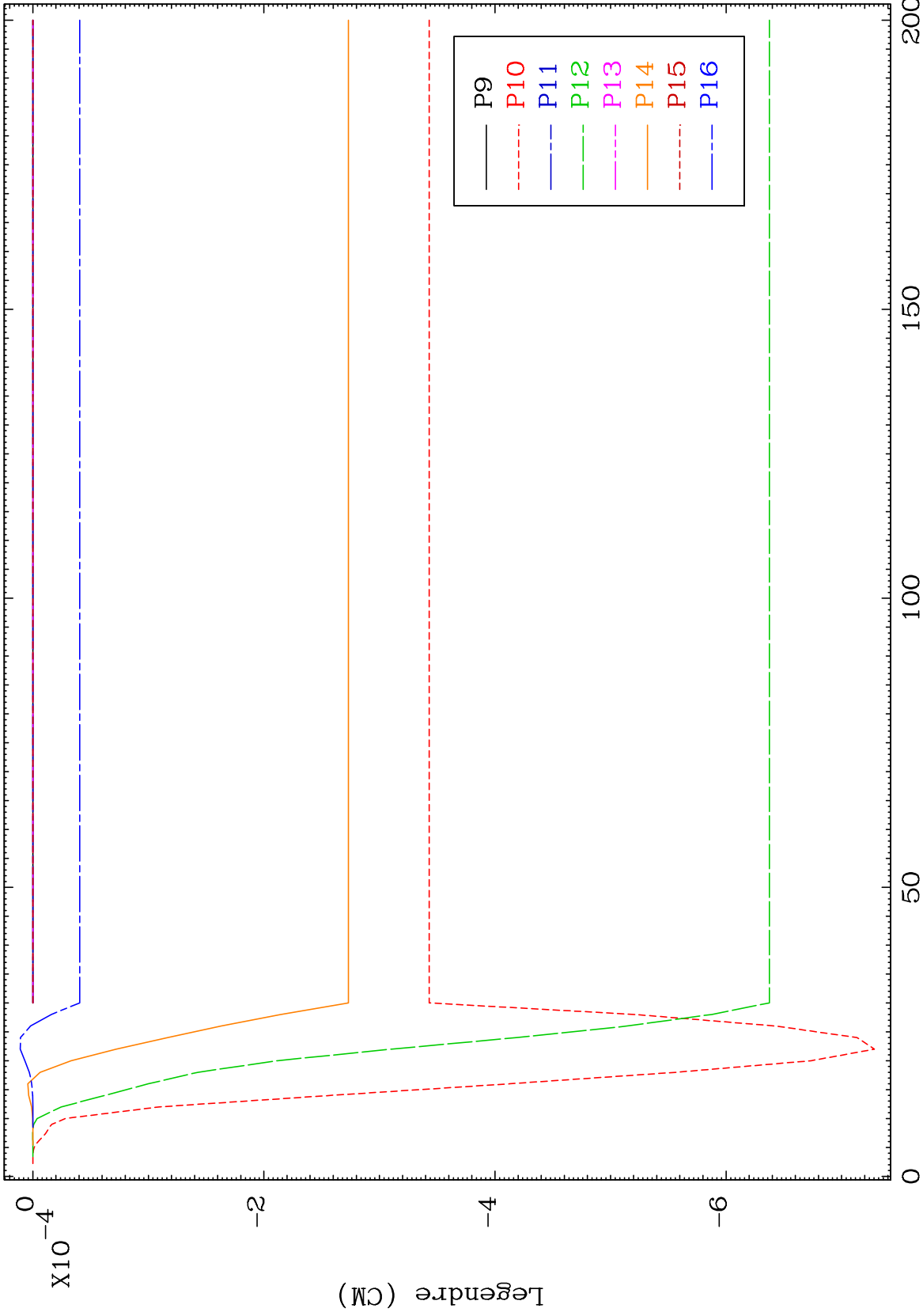
Incident Energy (MeV)

Legendre (CM)

MAT 6874

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

69-Tm-152



31

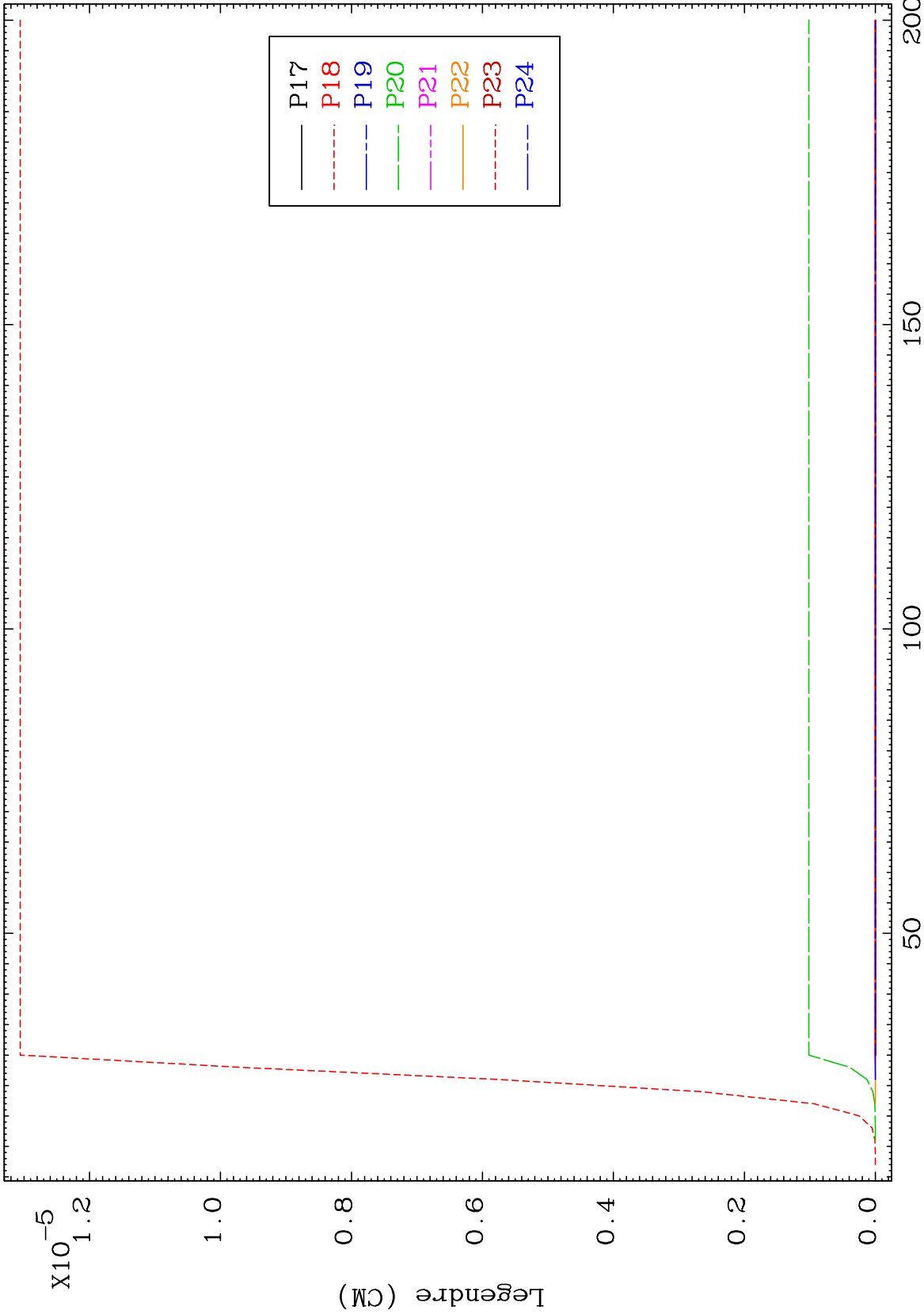
Incident Energy (MeV)

69-Tm-152

MAT 6874

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

69-Tm-152



32

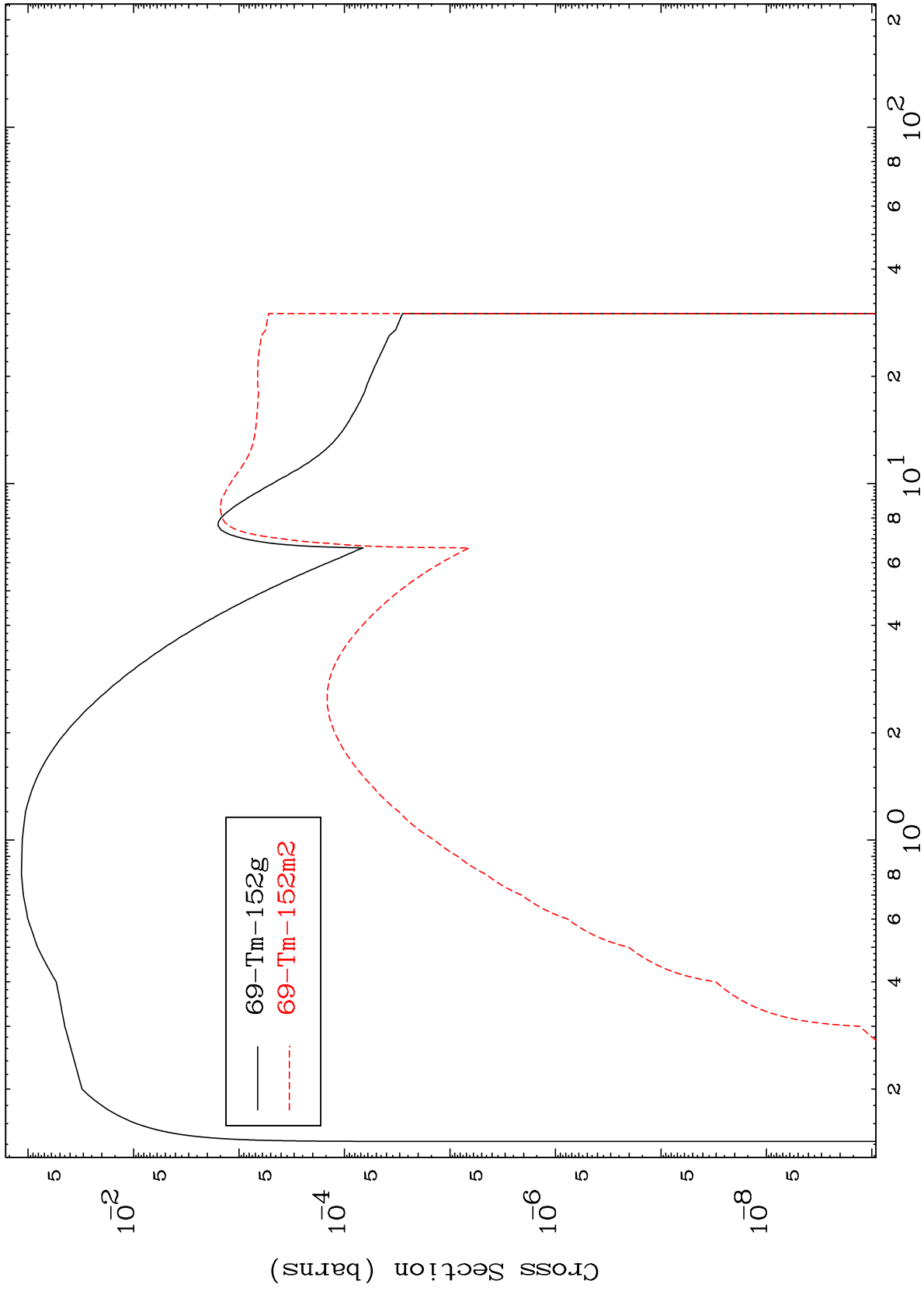
Incident Energy (MeV)

69-Tm-152

MAT 6874

Inelastic Radionuclide Production Cross Section

69-Tm-152



33

Incident Energy (MeV)

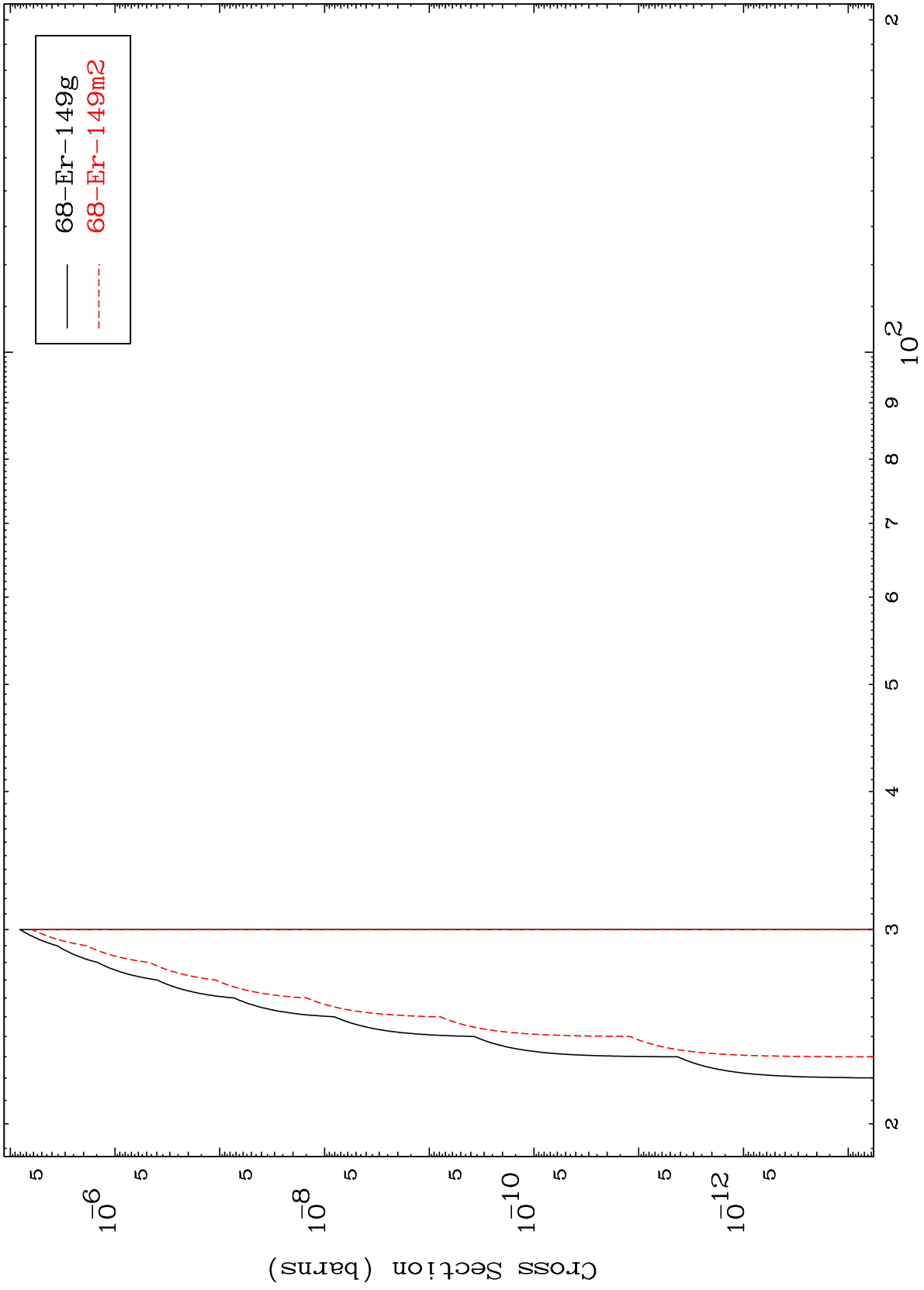
69-Tm-152

MAT 6874

(n,2n) d

69-Tm-152

Radionuclide Production Cross Section



34

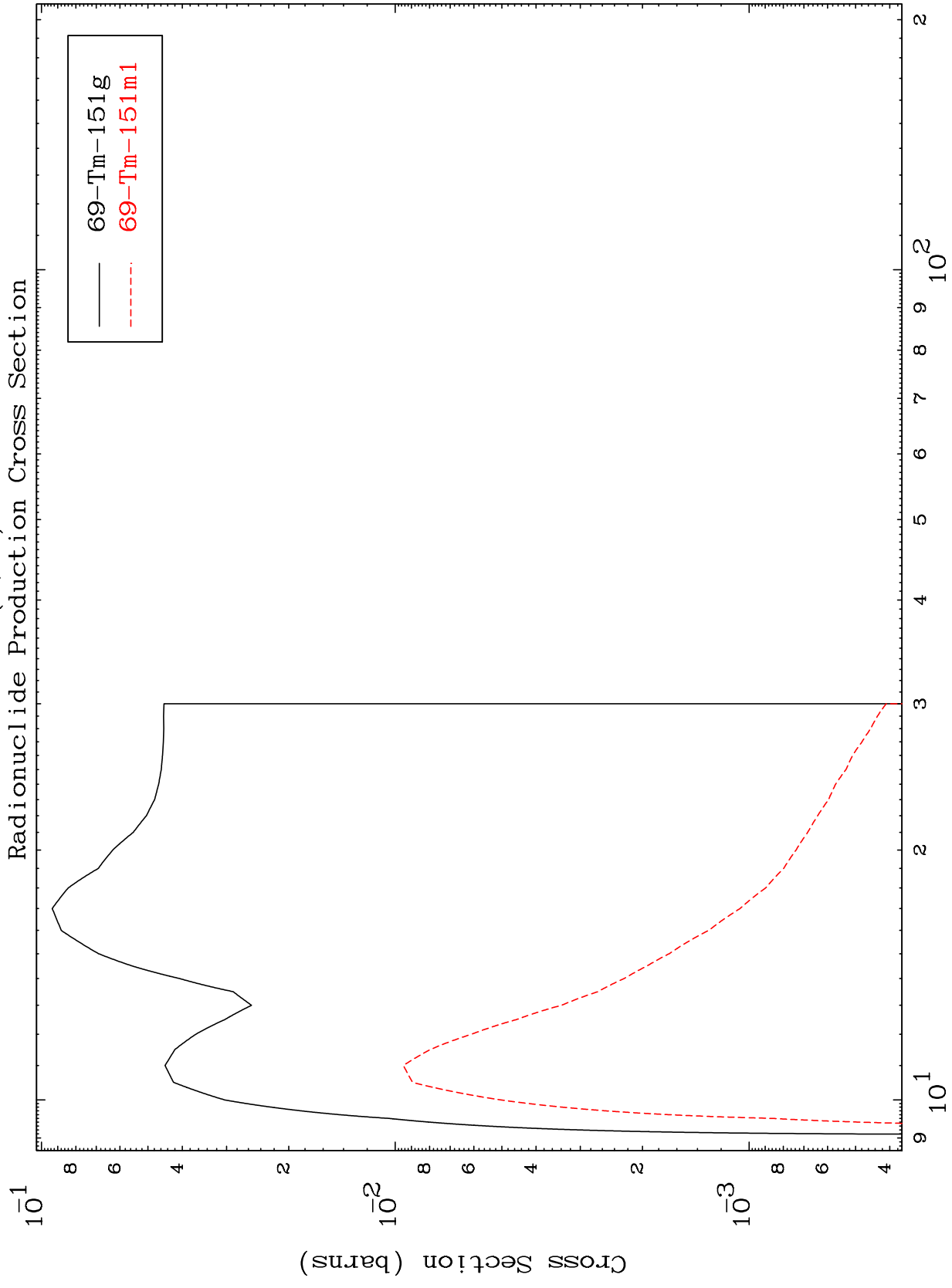
Incident Energy (MeV)

69-Tm-152

MAT 6874

69-Tm-152

69-Tm-152



69-Tm-152

69-Tm-152

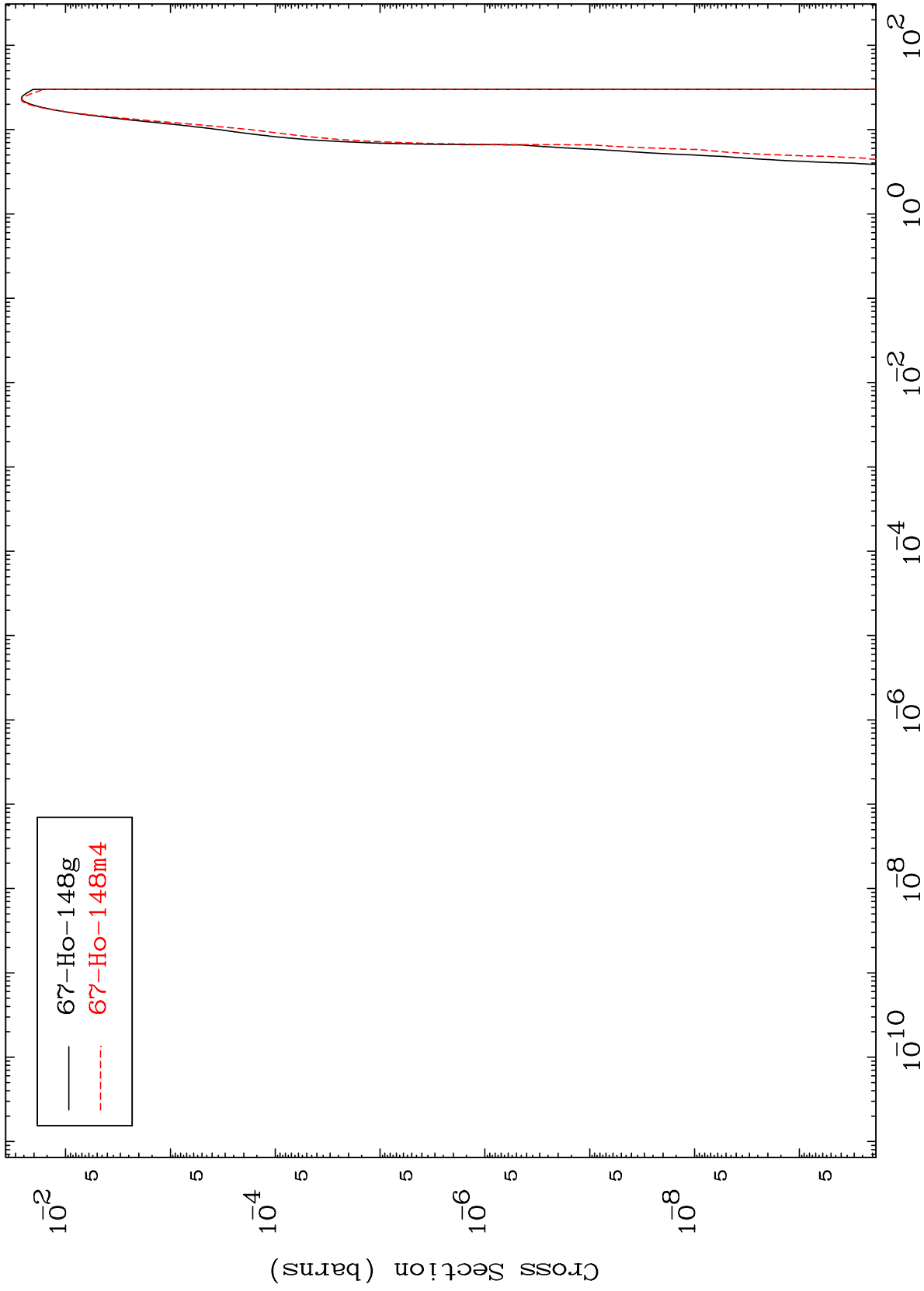
35

MAT 6874

(n,n') α

69-Tm-152

Radionuclide Production Cross Section



36

Incident Energy (MeV)

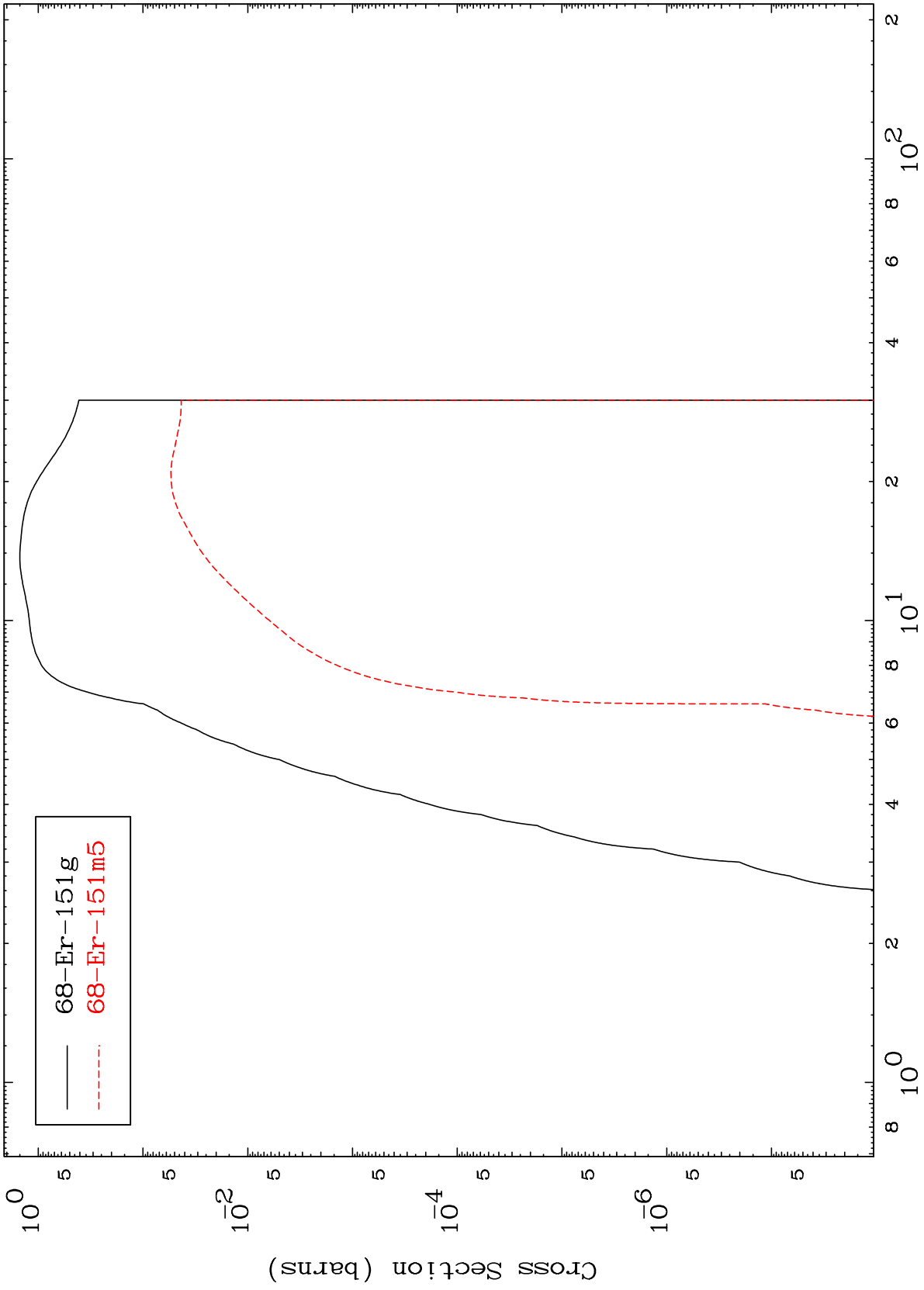
69-Tm-152

MAT 6874

(n,n') p

69-Tm-152

Radionuclide Production Cross Section



68-Er-151g
68-Er-151m5

37

Incident Energy (MeV)

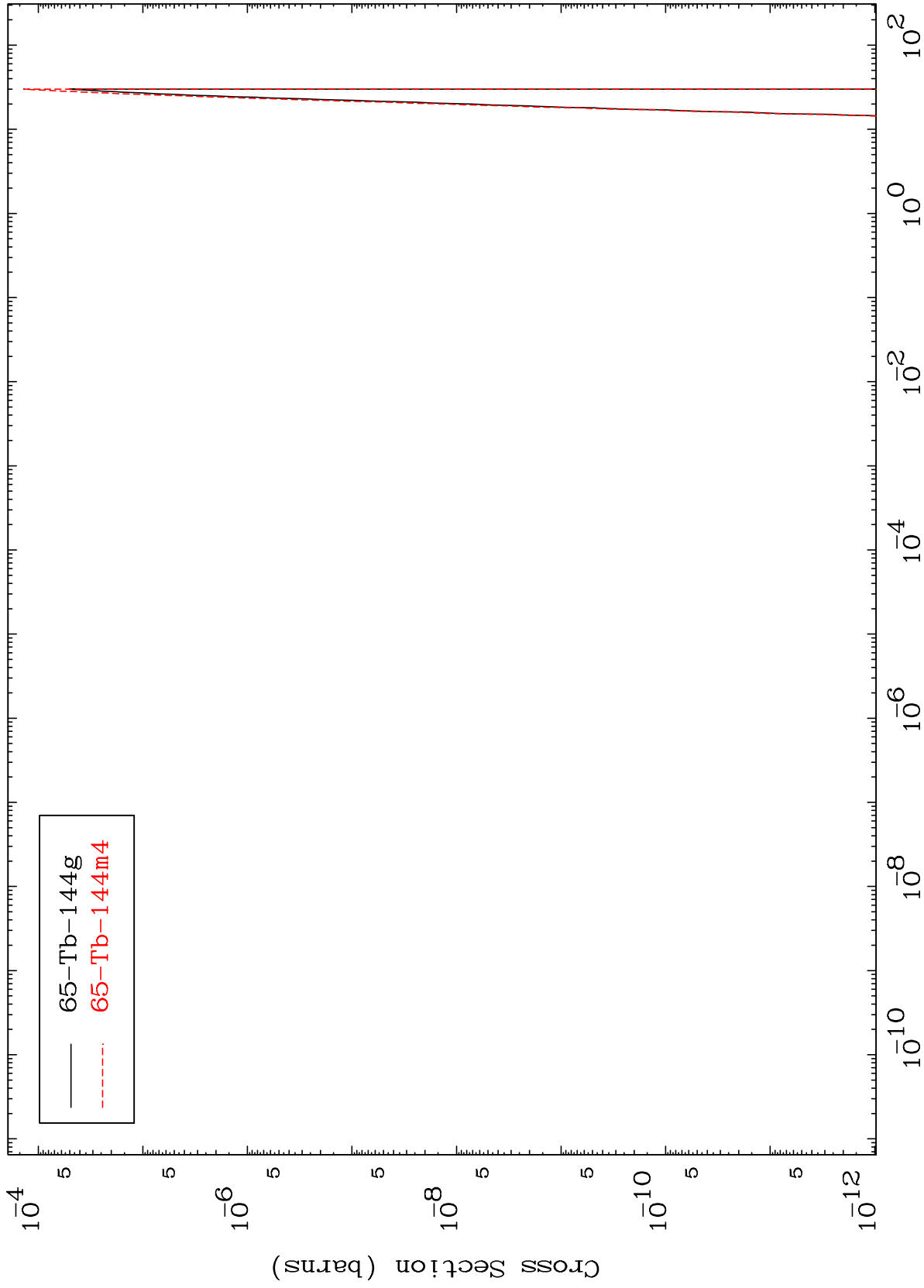
69-Tm-152

MAT 6874

(n,n') 2 α

69-Tm-152

Radionuclide Production Cross Section



38

Incident Energy (MeV)

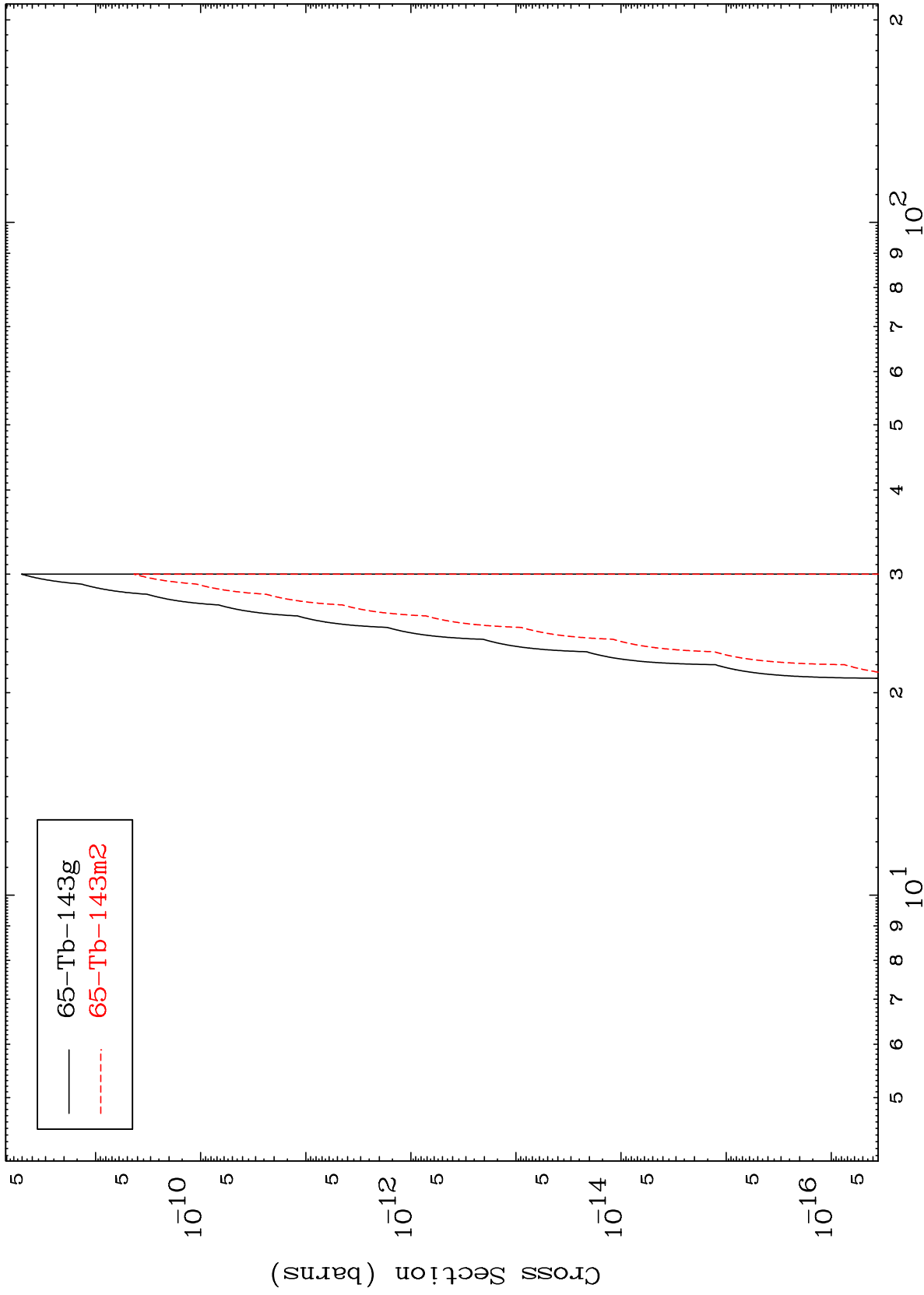
69-Tm-152

MAT 6874

(n,2n) 2α

69-Tm-152

Radionuclide Production Cross Section



39

Incident Energy (MeV)

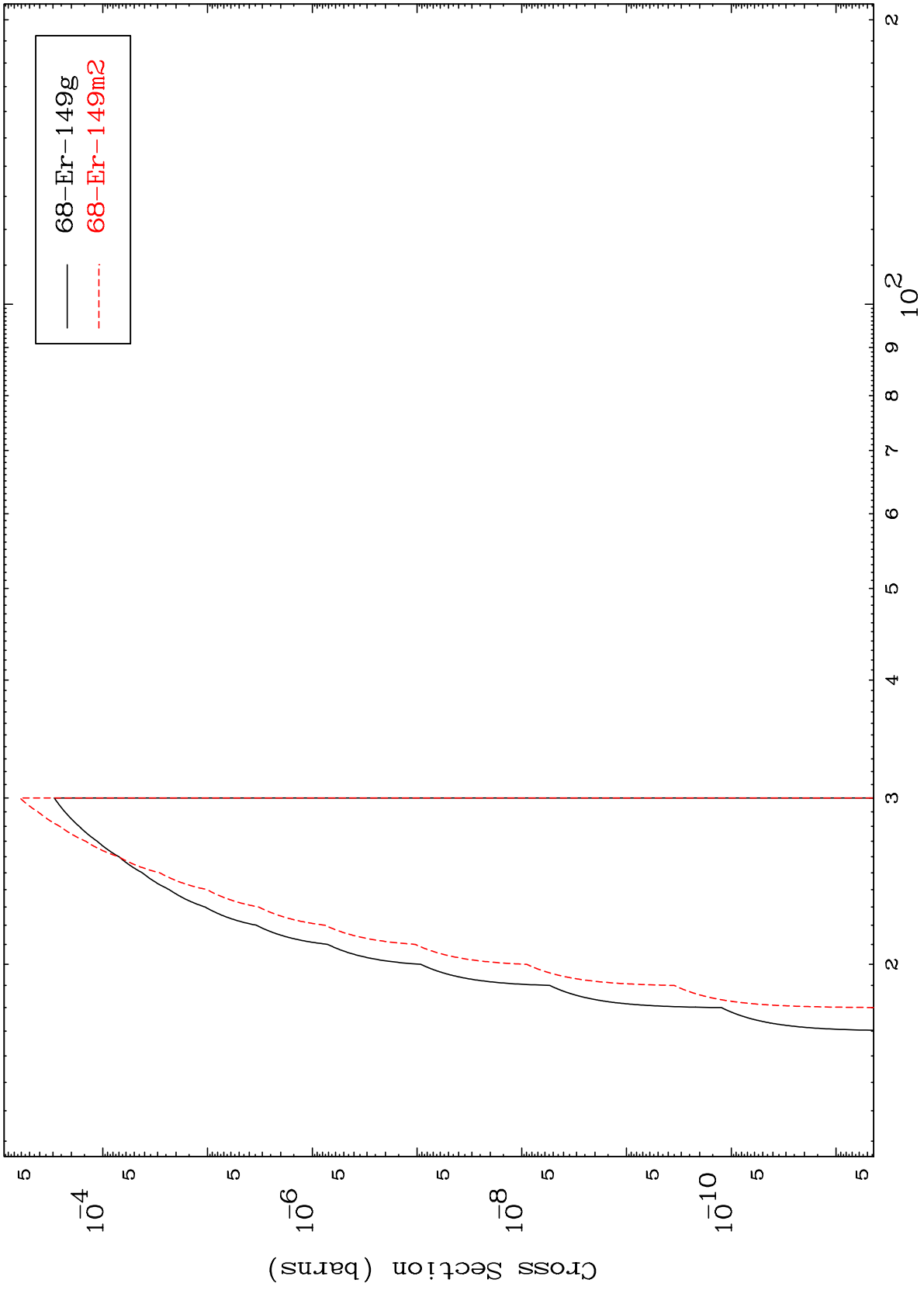
69-Tm-152

MAT 6874

(n,n') t

69-Tm-152

Radionuclide Production Cross Section



40

Incident Energy (MeV)

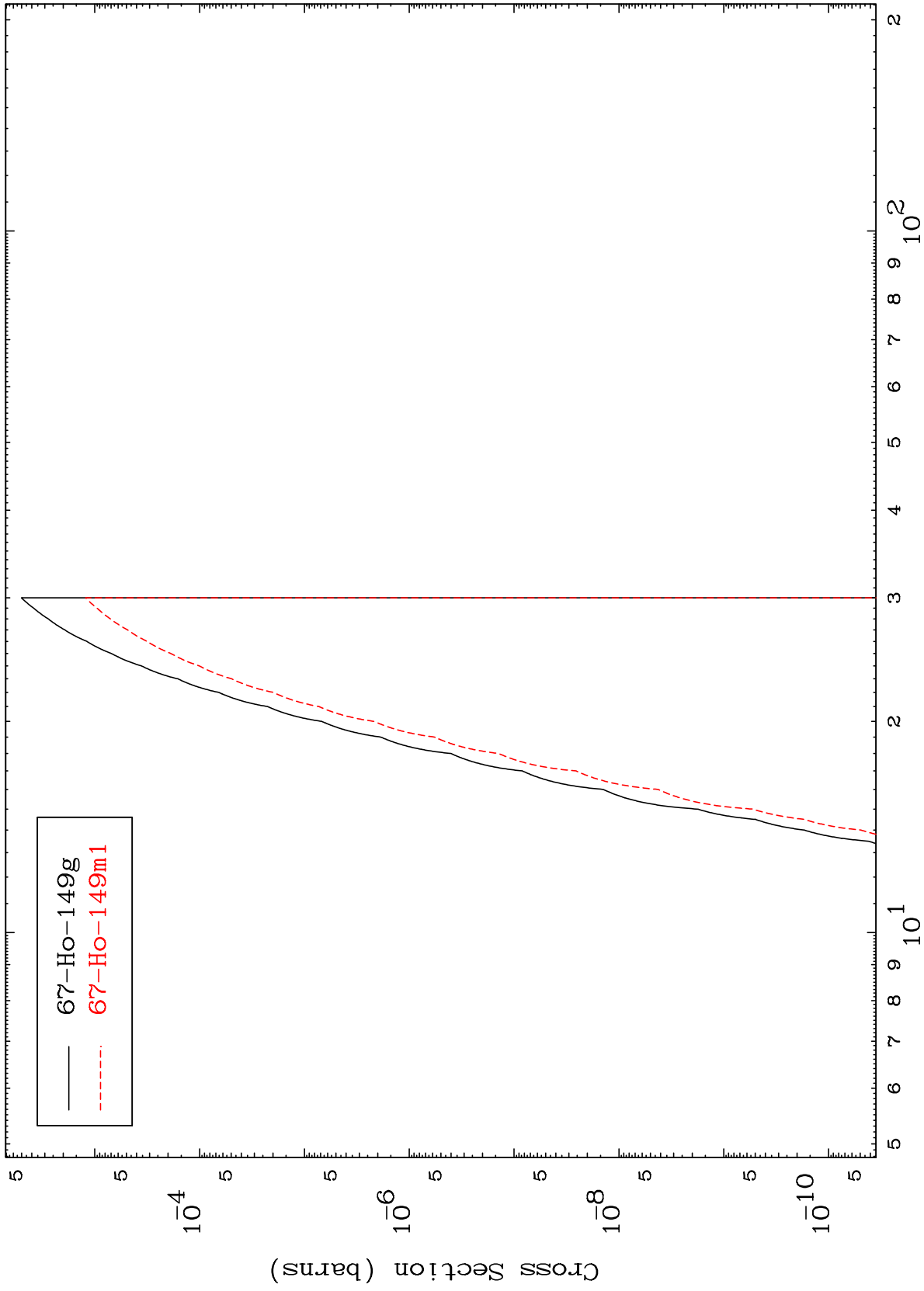
69-Tm-152

MAT 6874

(n, n') He-3

69-Tm-152

Radionuclide Production Cross Section



41

Incident Energy (MeV)

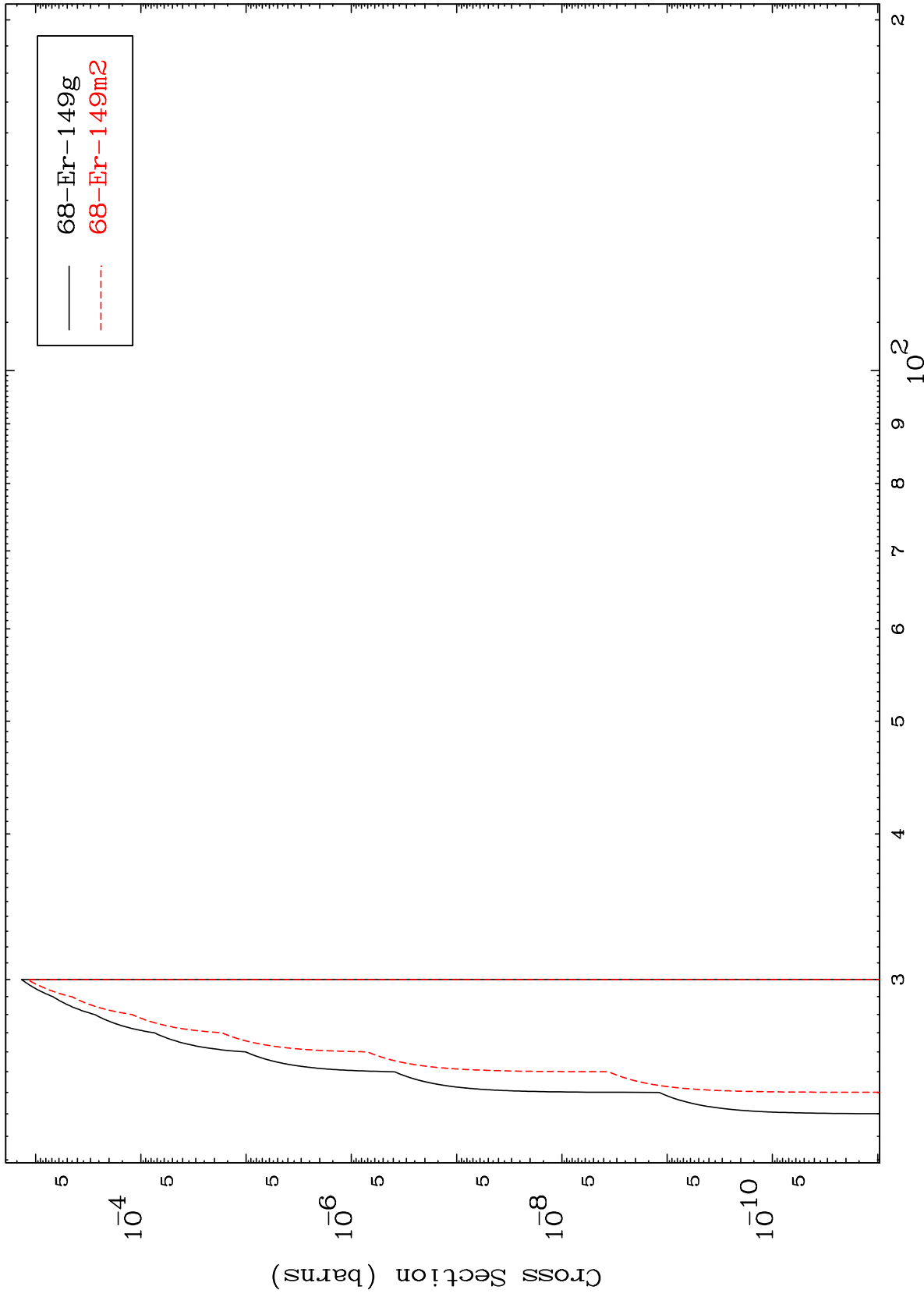
69-Tm-152

MAT 6874

(n,3n) p

69-Tm-152

Radionuclide Production Cross Section



42

Incident Energy (MeV)

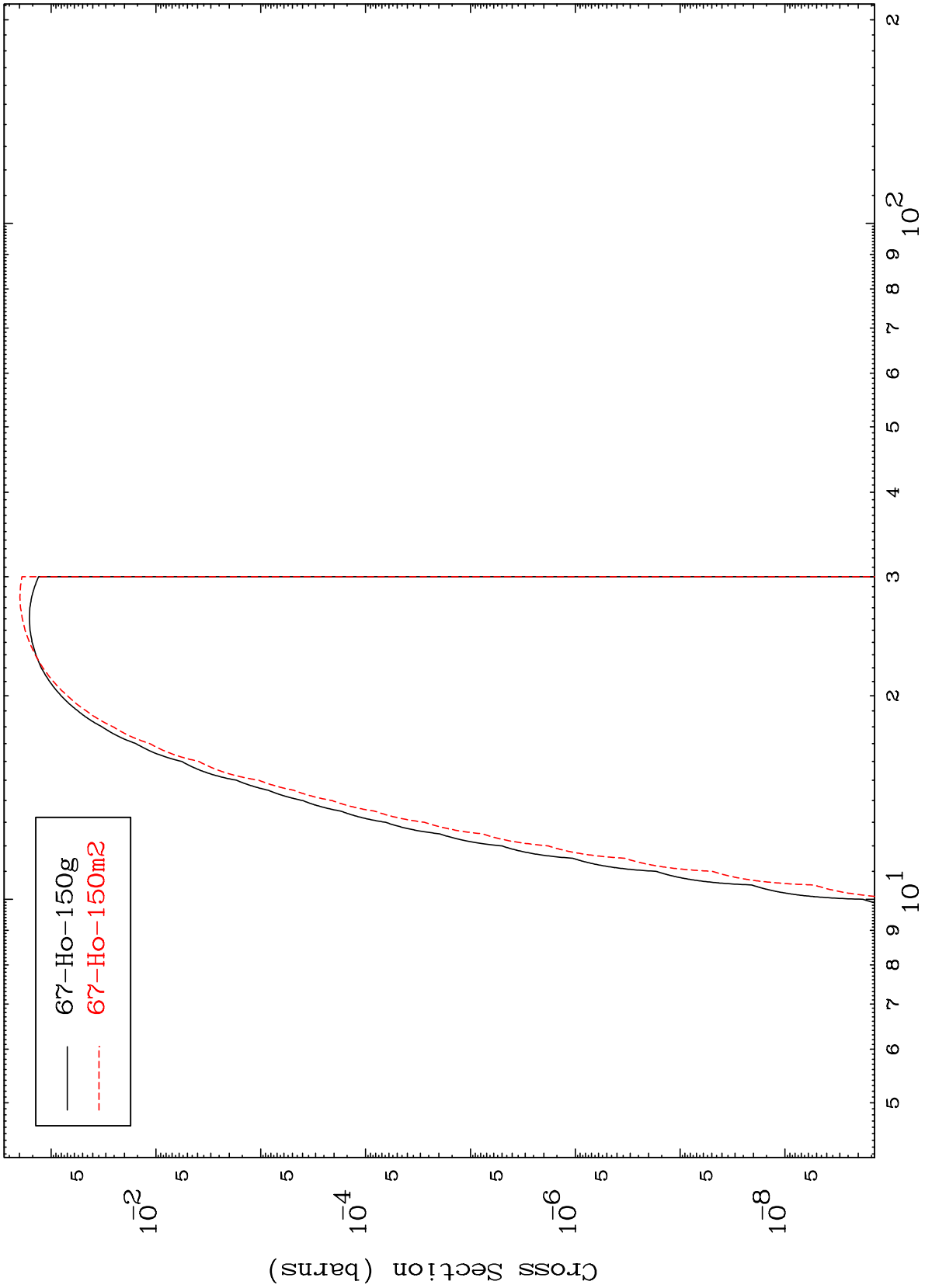
69-Tm-152

MAT 6874

(n,2n) p

69-Tm-152

Radionuclide Production Cross Section



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

43

Incident Energy (MeV)

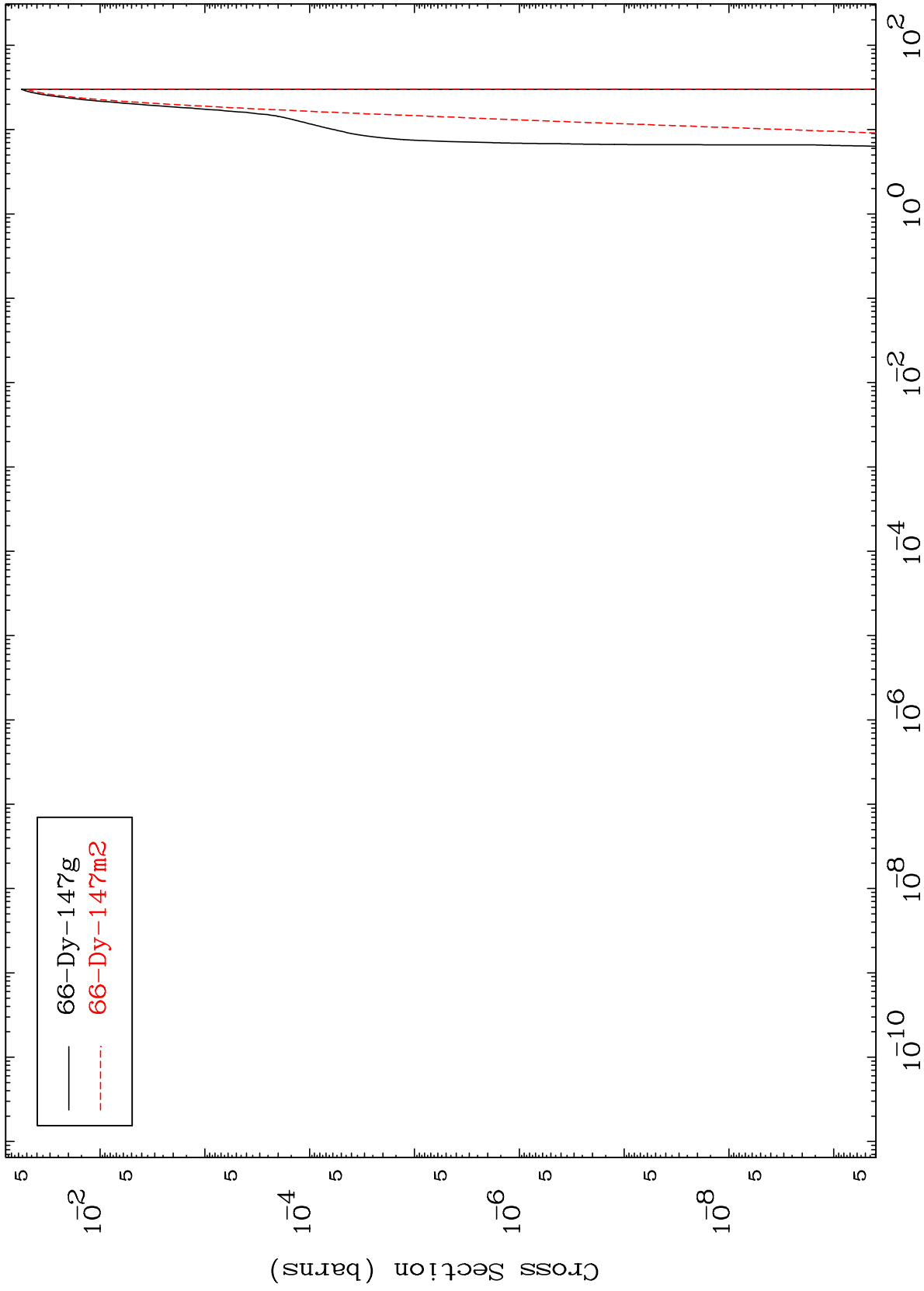
69-Tm-152

MAT 6874

(n,n') p α

69-Tm-152

Radionuclide Production Cross Section



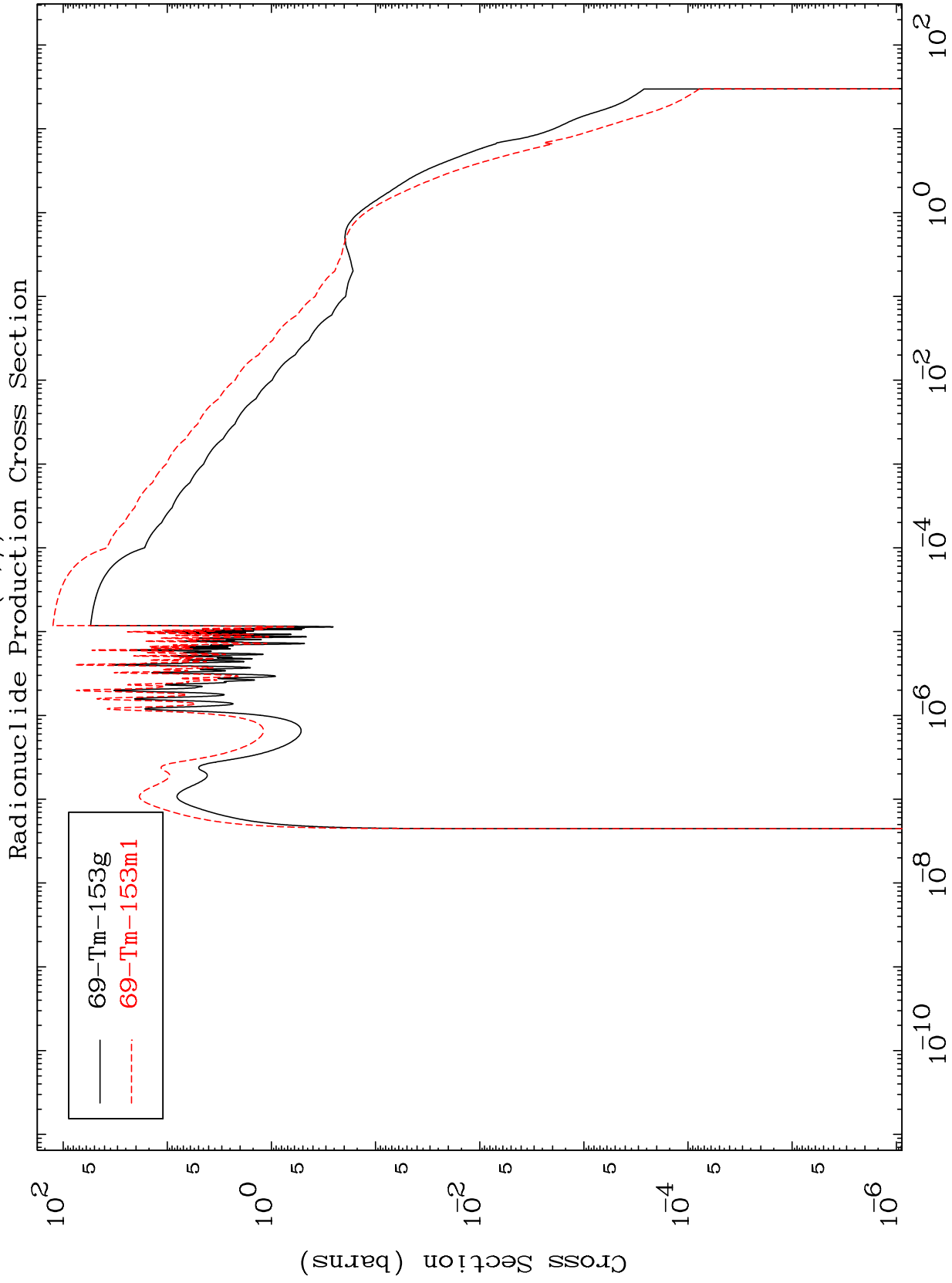
44

Incident Energy (MeV)

69-Tm-152

MAT 6874

69-Tm-152

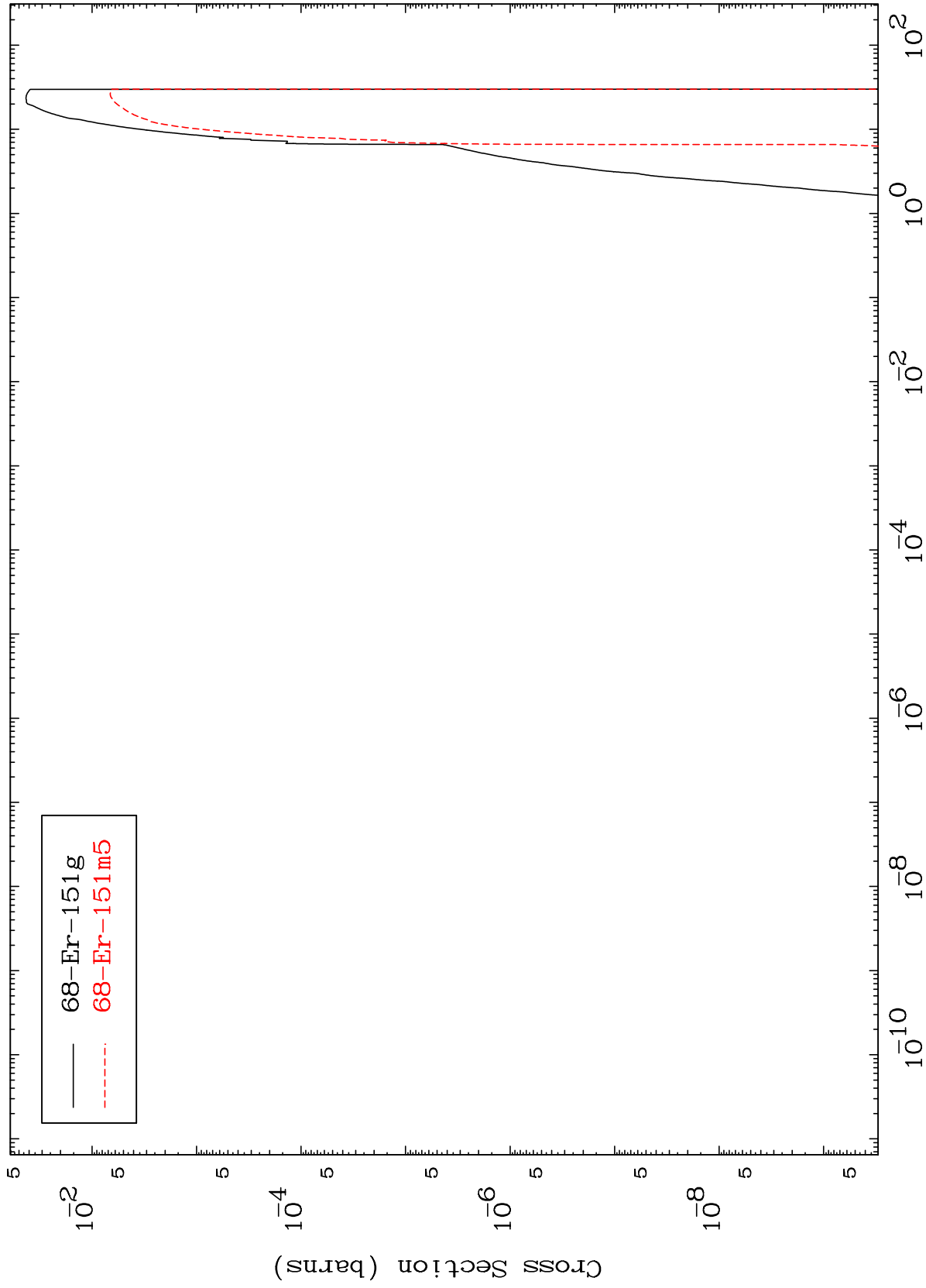


MAT 6874

(n,d)

69-Tm-152

Radionuclide Production Cross Section



68-Er-151g
68-Er-151m5

46

Incident Energy (MeV)

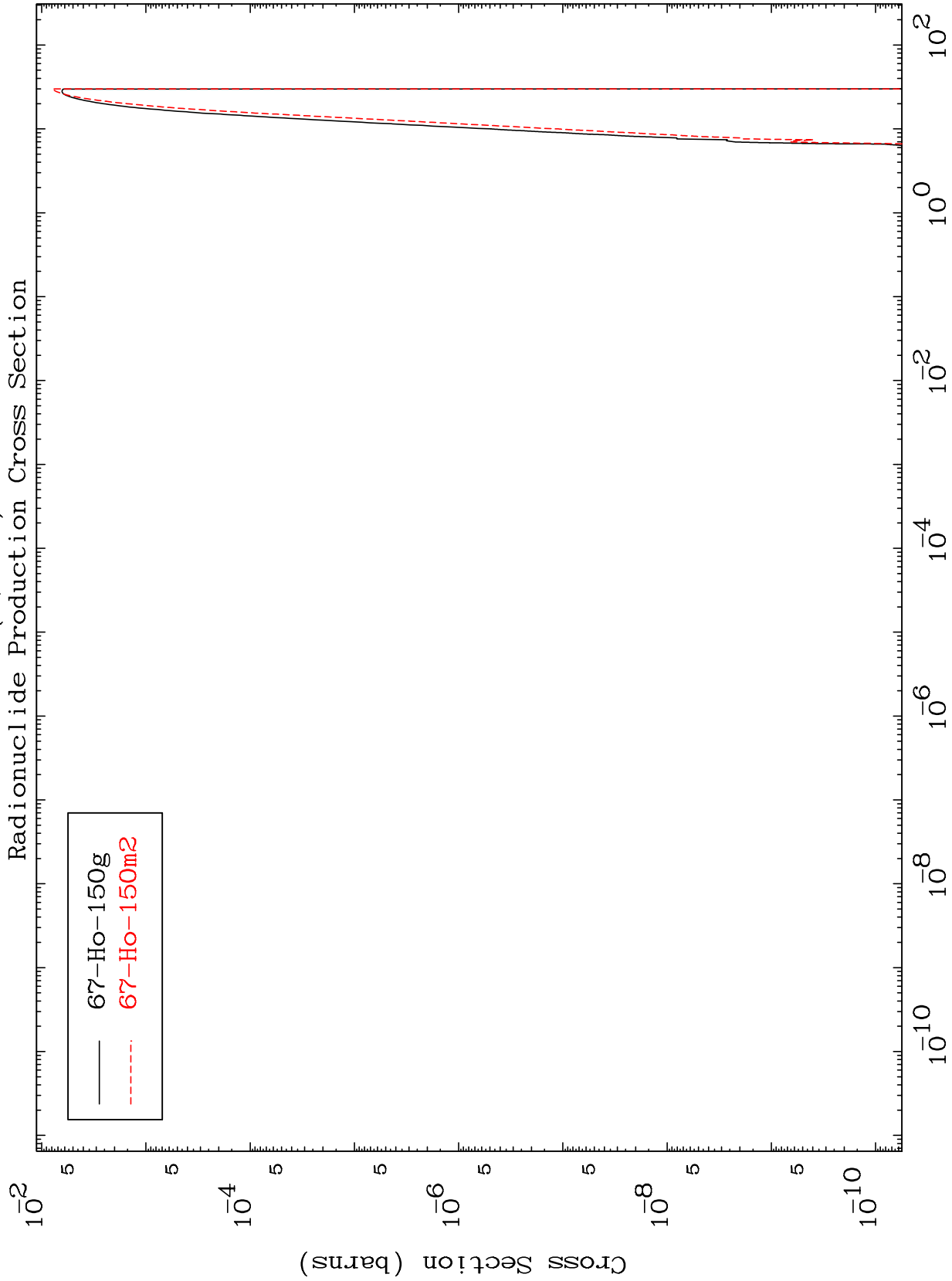
69-Tm-152

MAT 6874

(n, He-3)

69-Tm-152

Radionuclide Production Cross Section



47

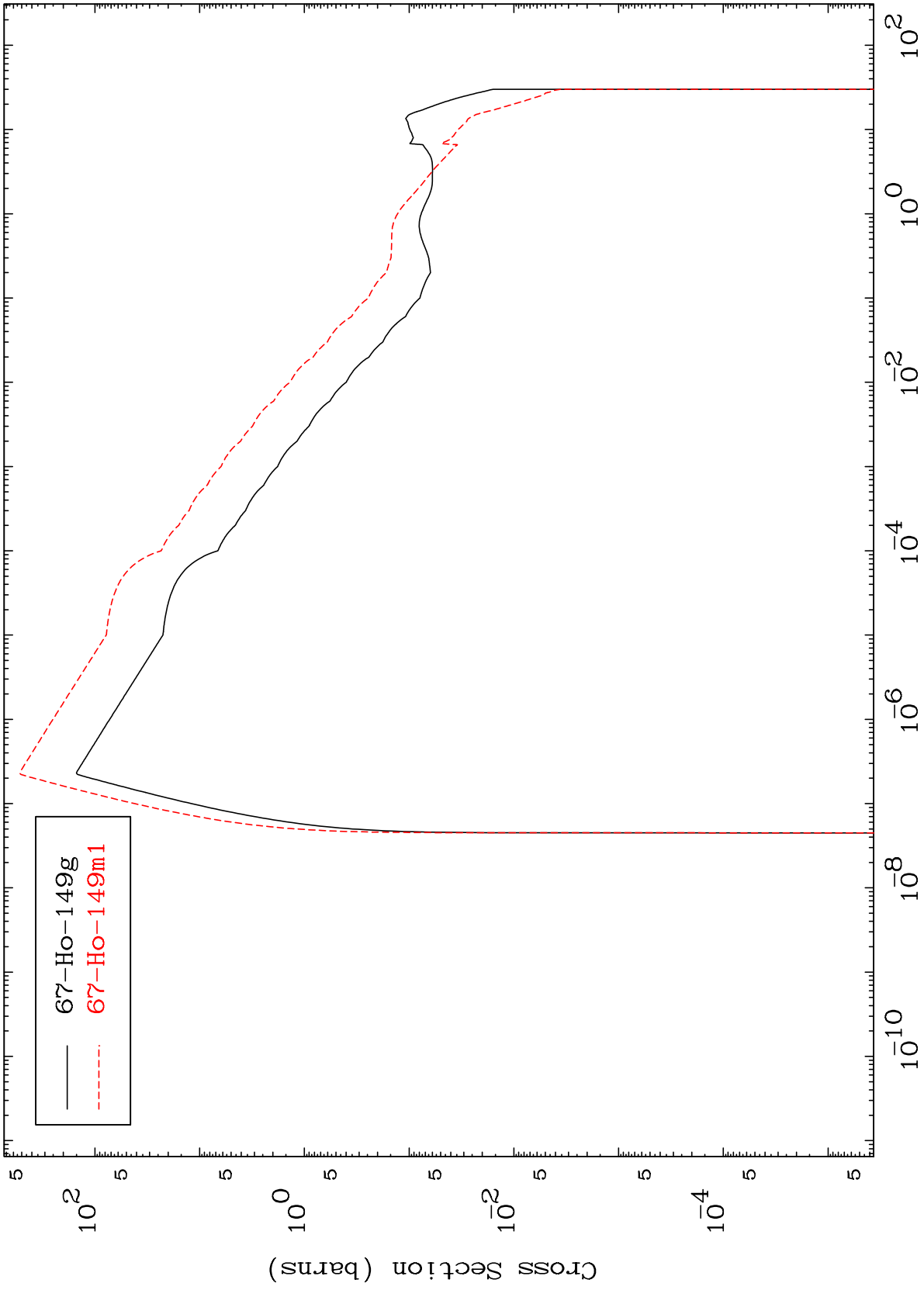
Incident Energy (MeV)

69-Tm-152

MAT 6874

69-Tm-152

(n,α)
Radionuclide Production Cross Section



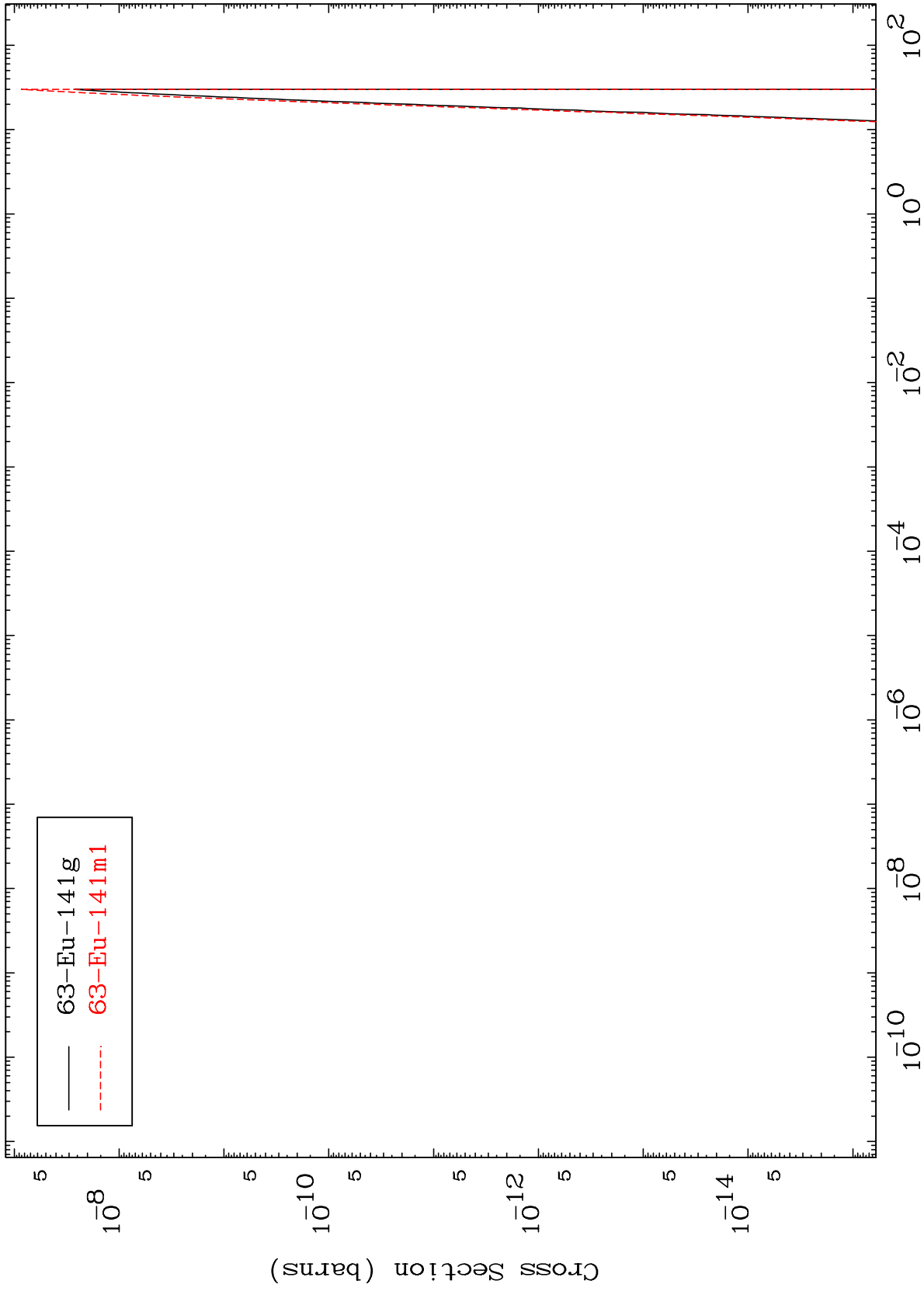
67-Ho-149g
67-Ho-149m1

MAT 6874

(n,3α)

69-Tm-152

Radionuclide Production Cross Section



49

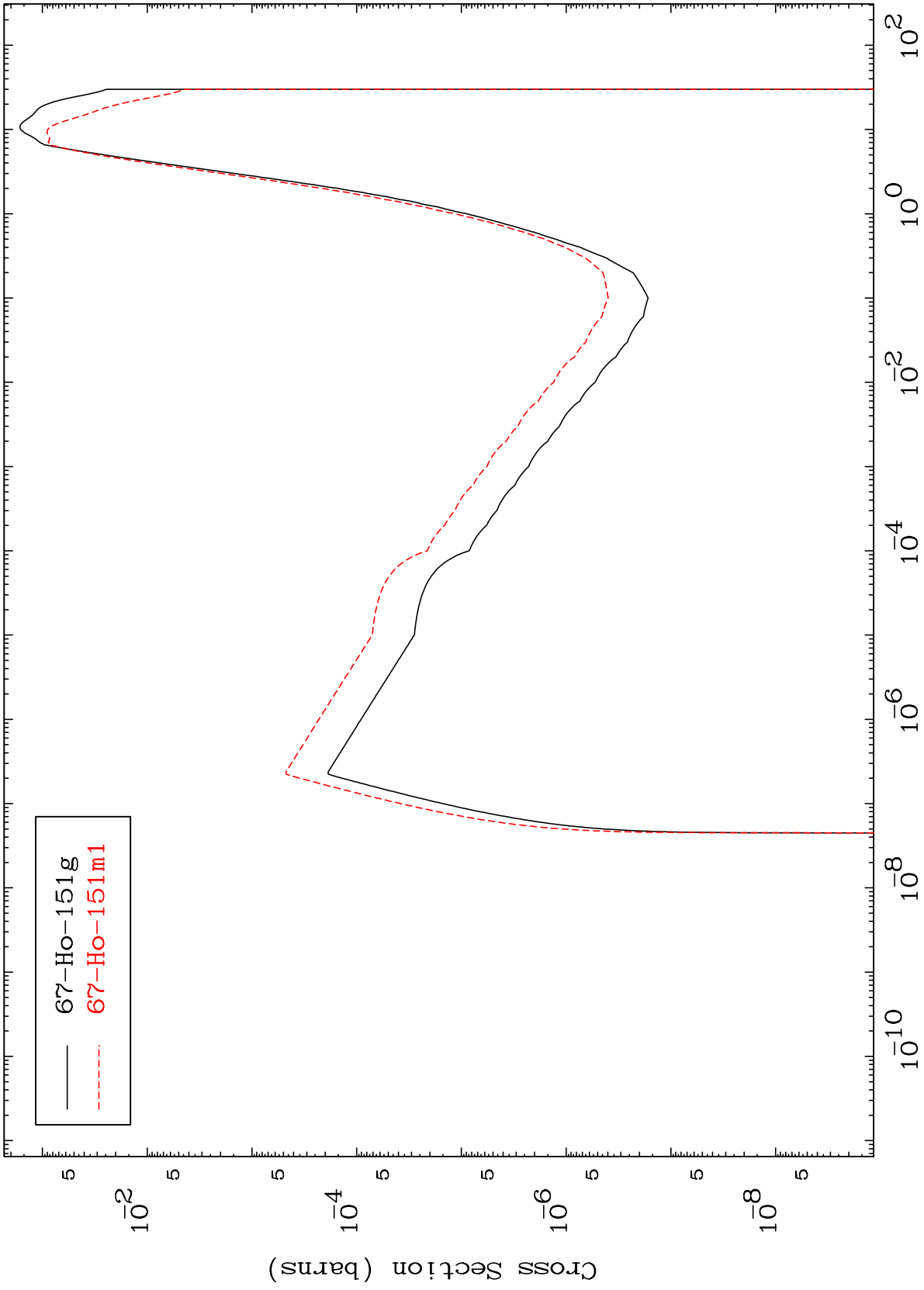
Incident Energy (MeV)

69-Tm-152

MAT 6874

Radionuclide Production Cross Section
(n,2p)

69-Tm-152



— 67-Ho-151g
- - - 67-Ho-151m1

50

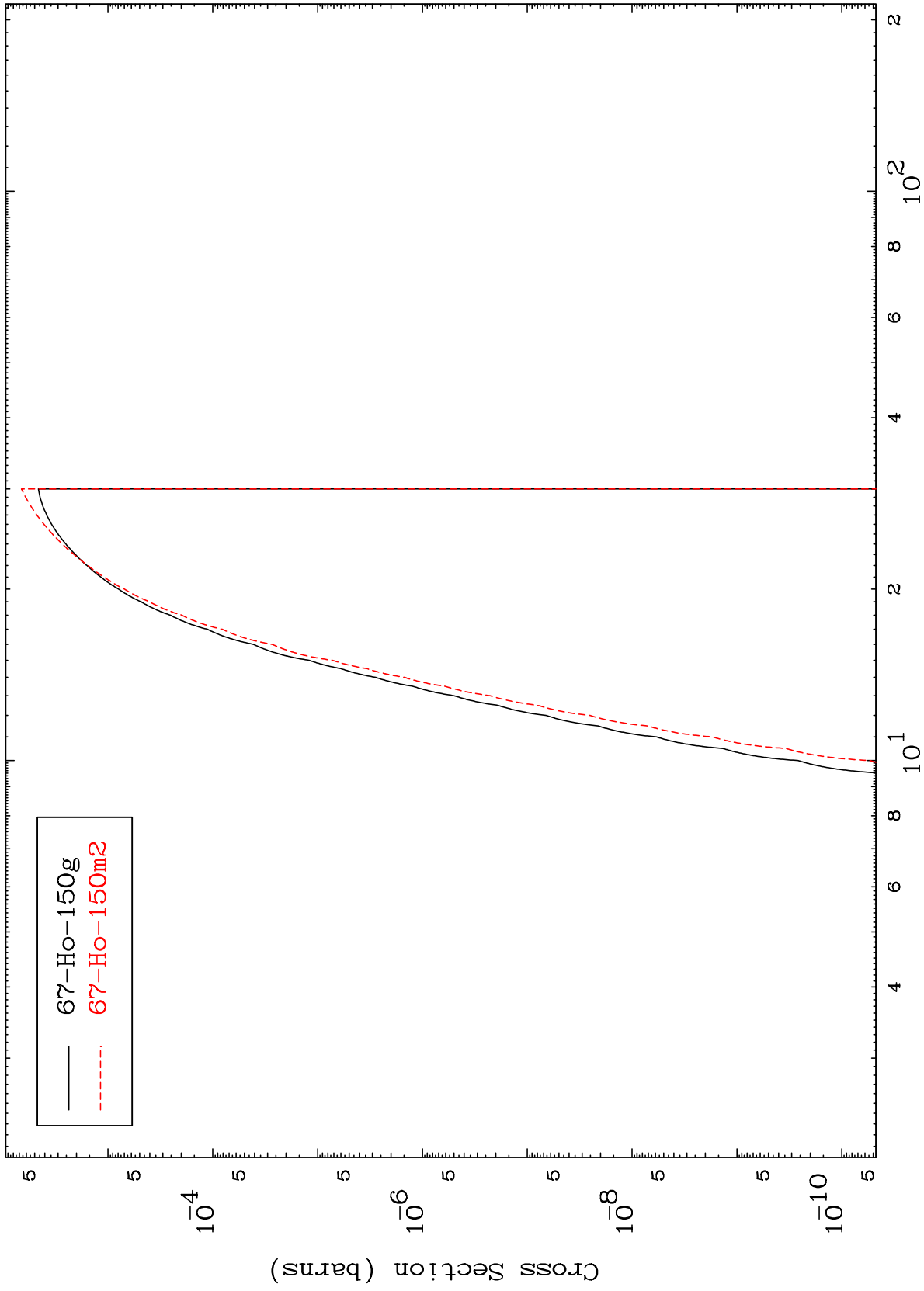
69-Tm-152

MAT 6874

(n,p) d

69-Tm-152

Radionuclide Production Cross Section



51

Incident Energy (MeV)

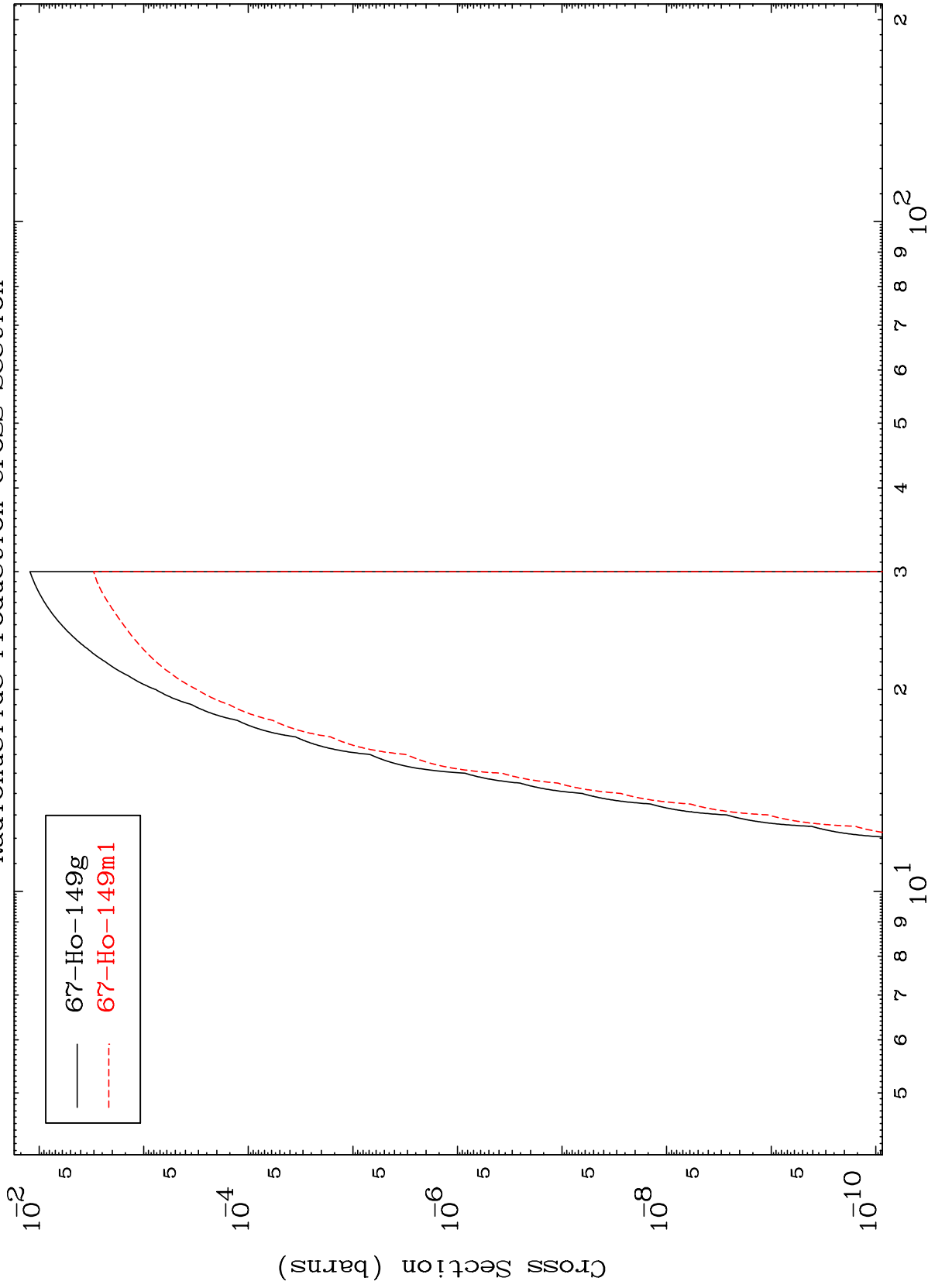
69-Tm-152

MAT 6874

(n,p) t

69-Tm-152

Radionuclide Production Cross Section



52

Incident Energy (MeV)

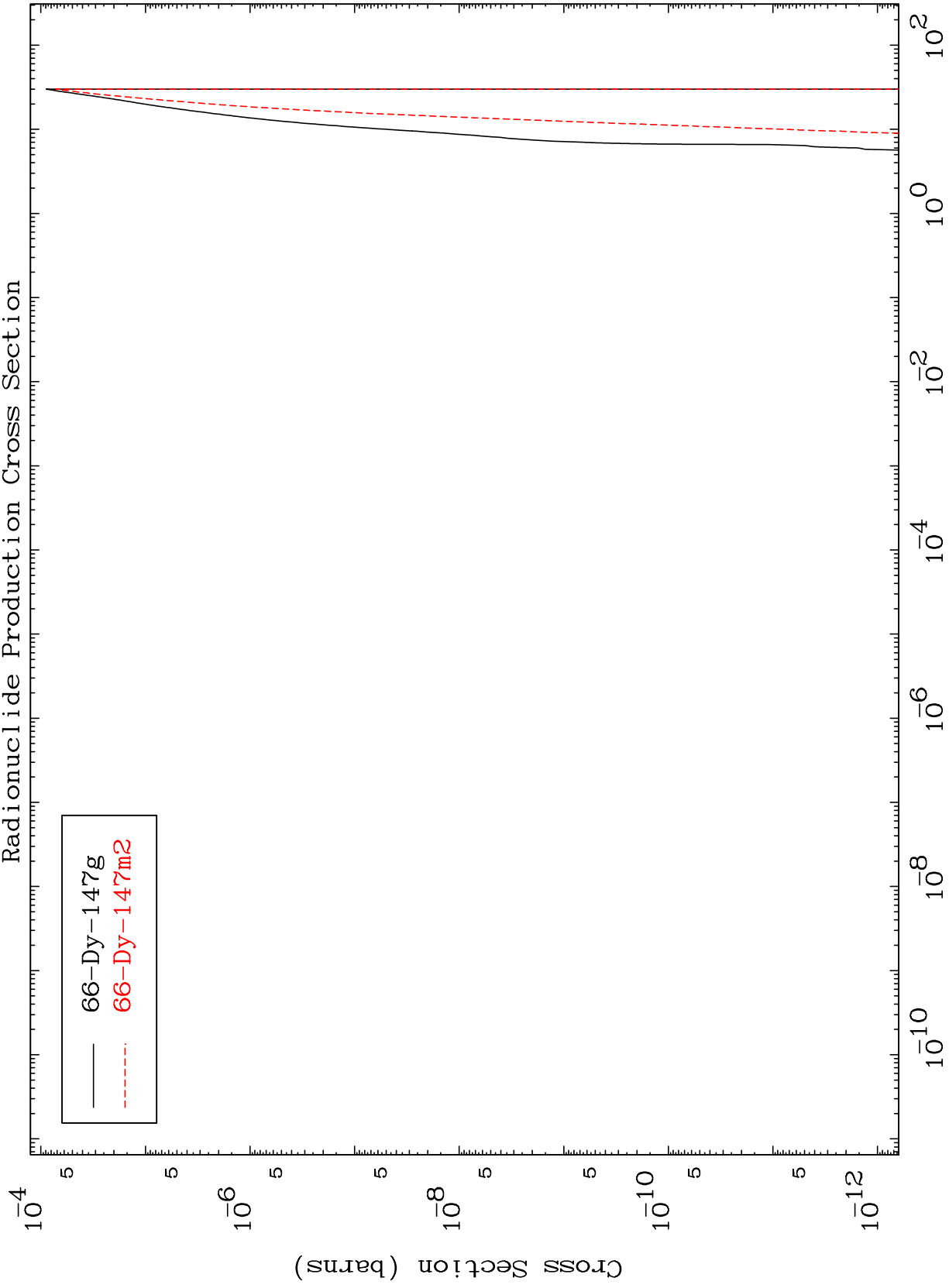
69-Tm-152

MAT 6874

(n,d) α

69-Tm-152

Radionuclide Production Cross Section



53

Incident Energy (MeV)

69-Tm-152