

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

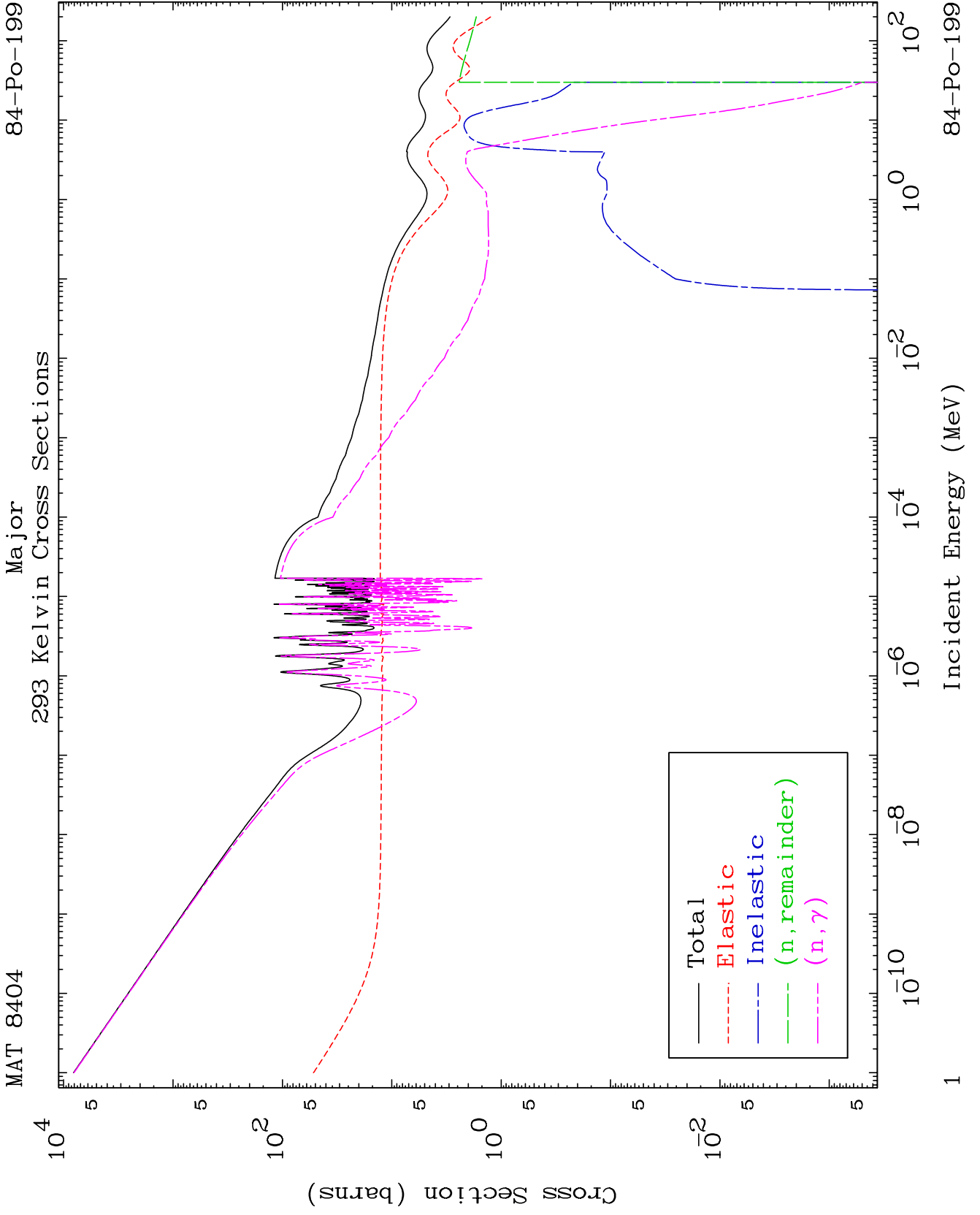
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

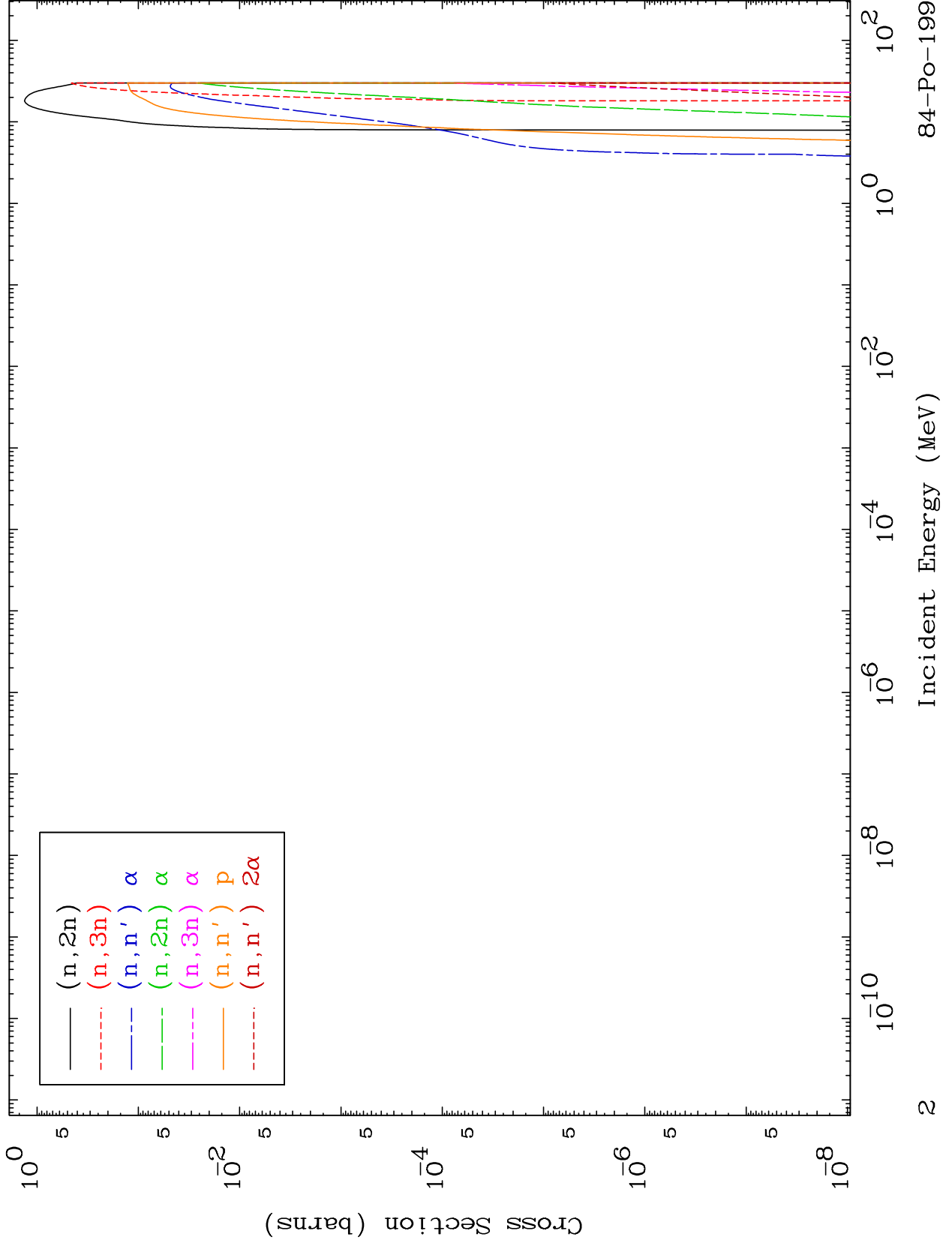
Press Mouse Button to Start



MAT 8404

Neutron Production
293 Kelvin Cross Sections

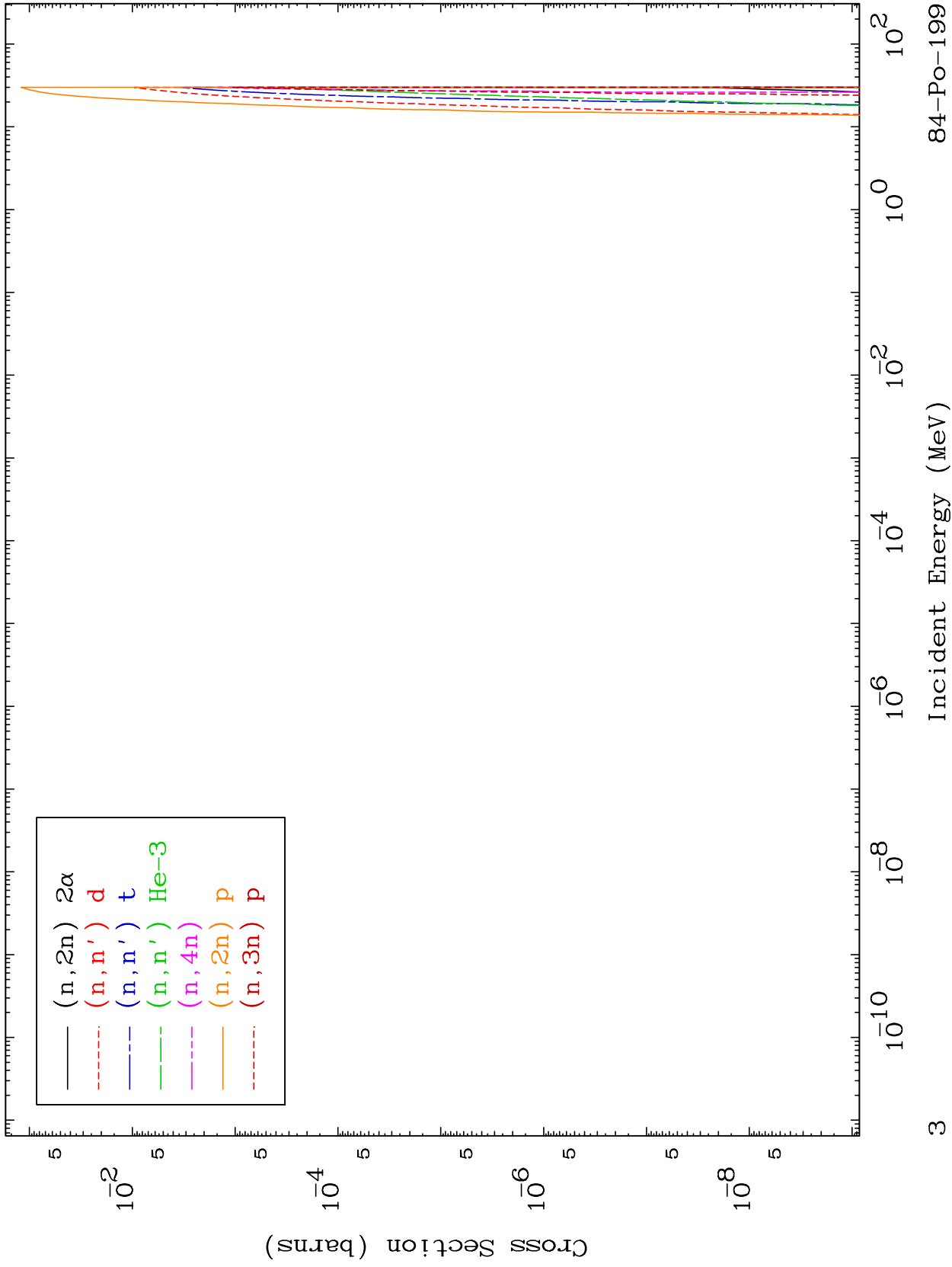
84-Po-199



MAT 8404

Neutron Production
293 Kelvin Cross Sections

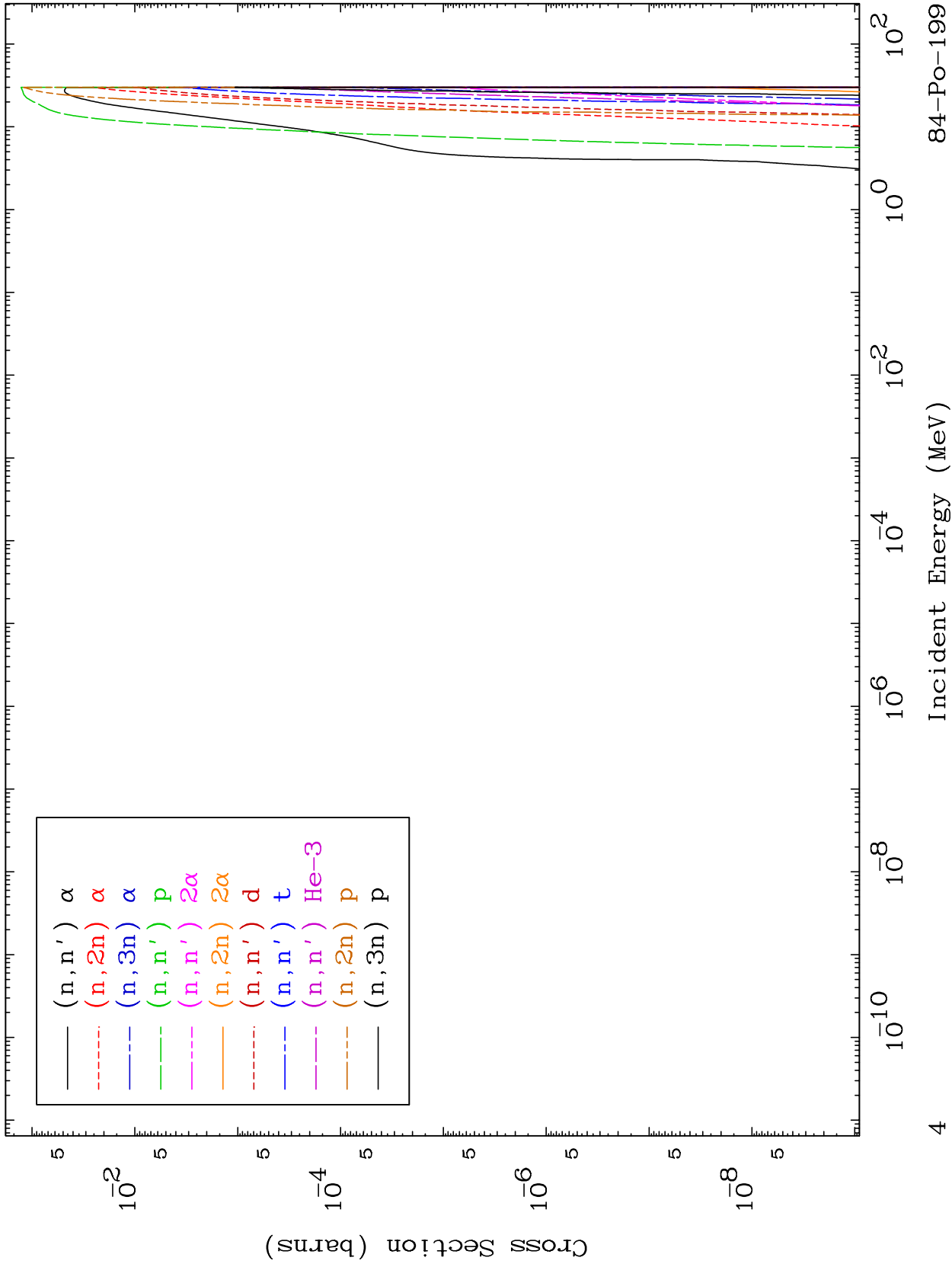
84-Po-199



MAT 8404

Charged Particle
293 Kelvin Cross Sections

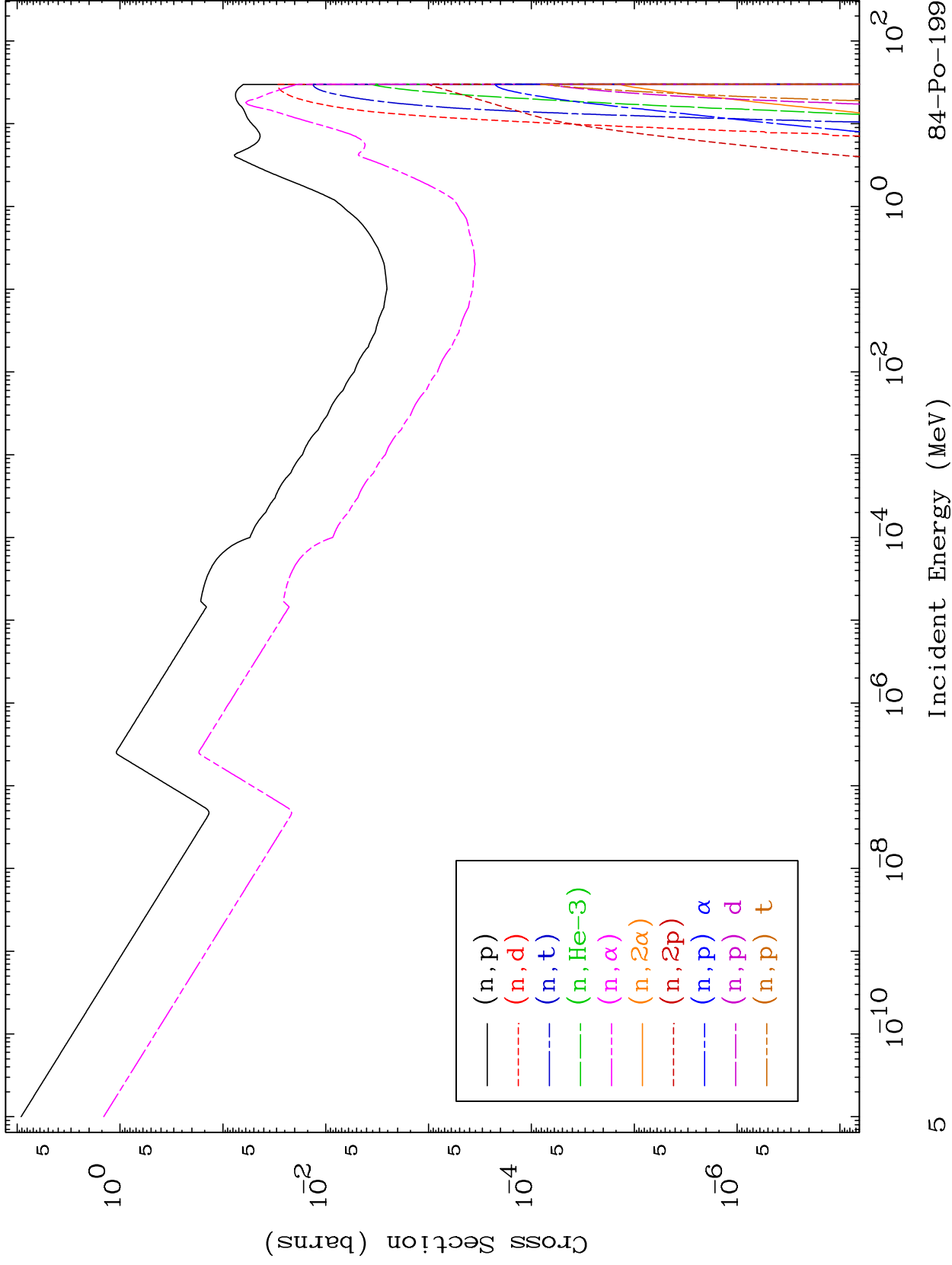
84-Po-199



MAT 8404

Charged Particle
293 Kelvin Cross Sections

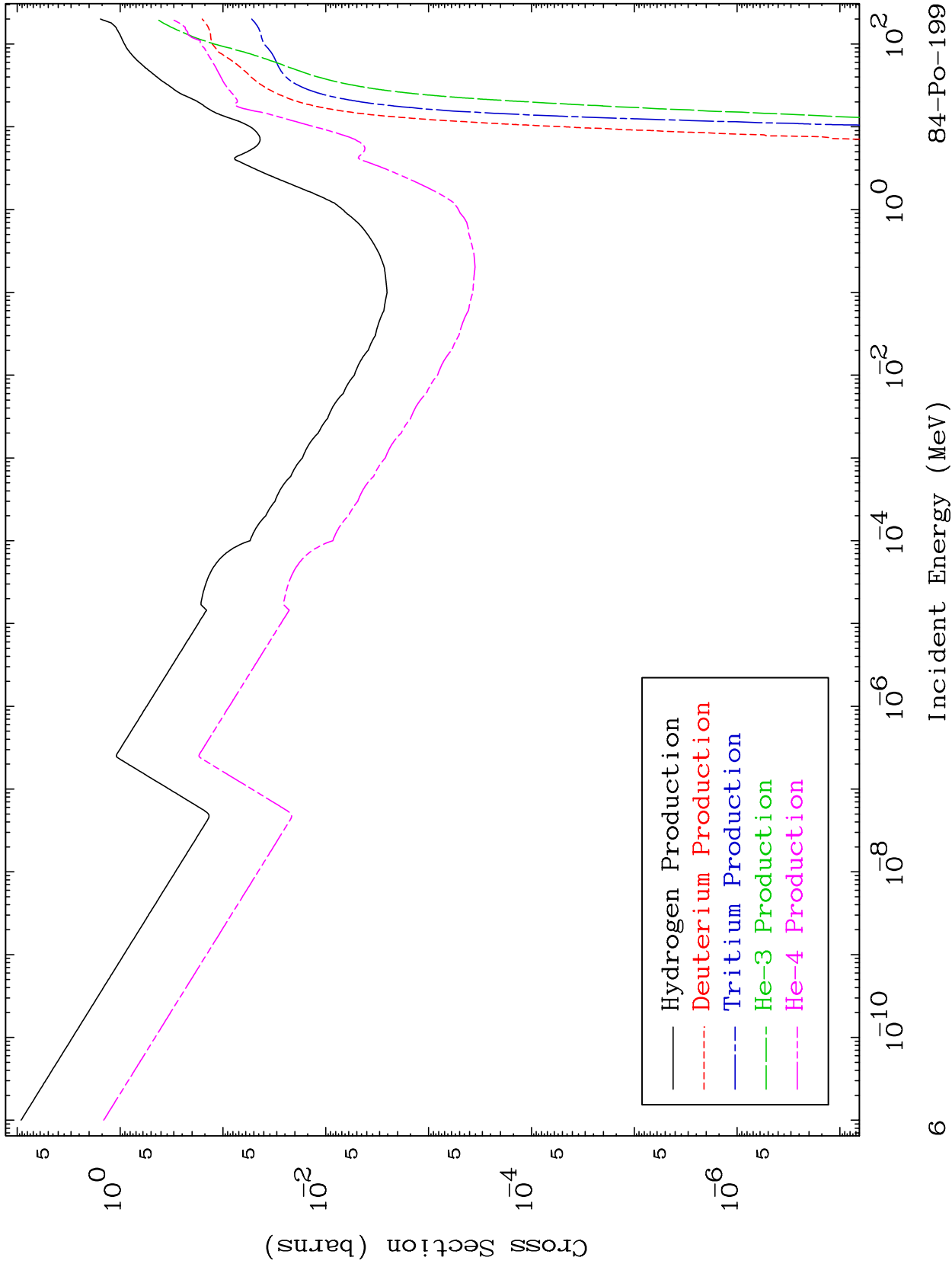
84-Po-199

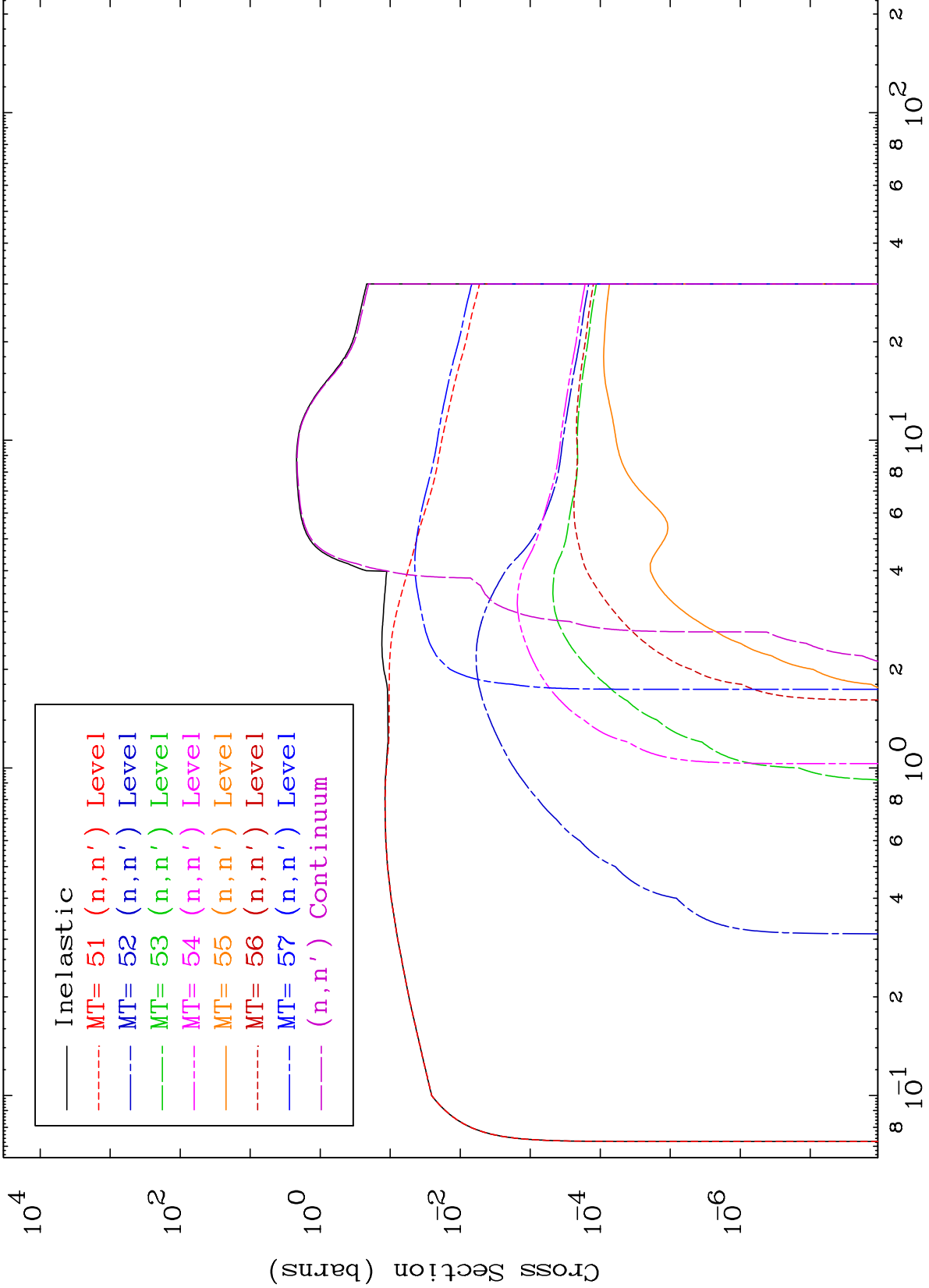


MAT 8404

Particle Production
293 Kelvin Cross Sections

84-Po-199

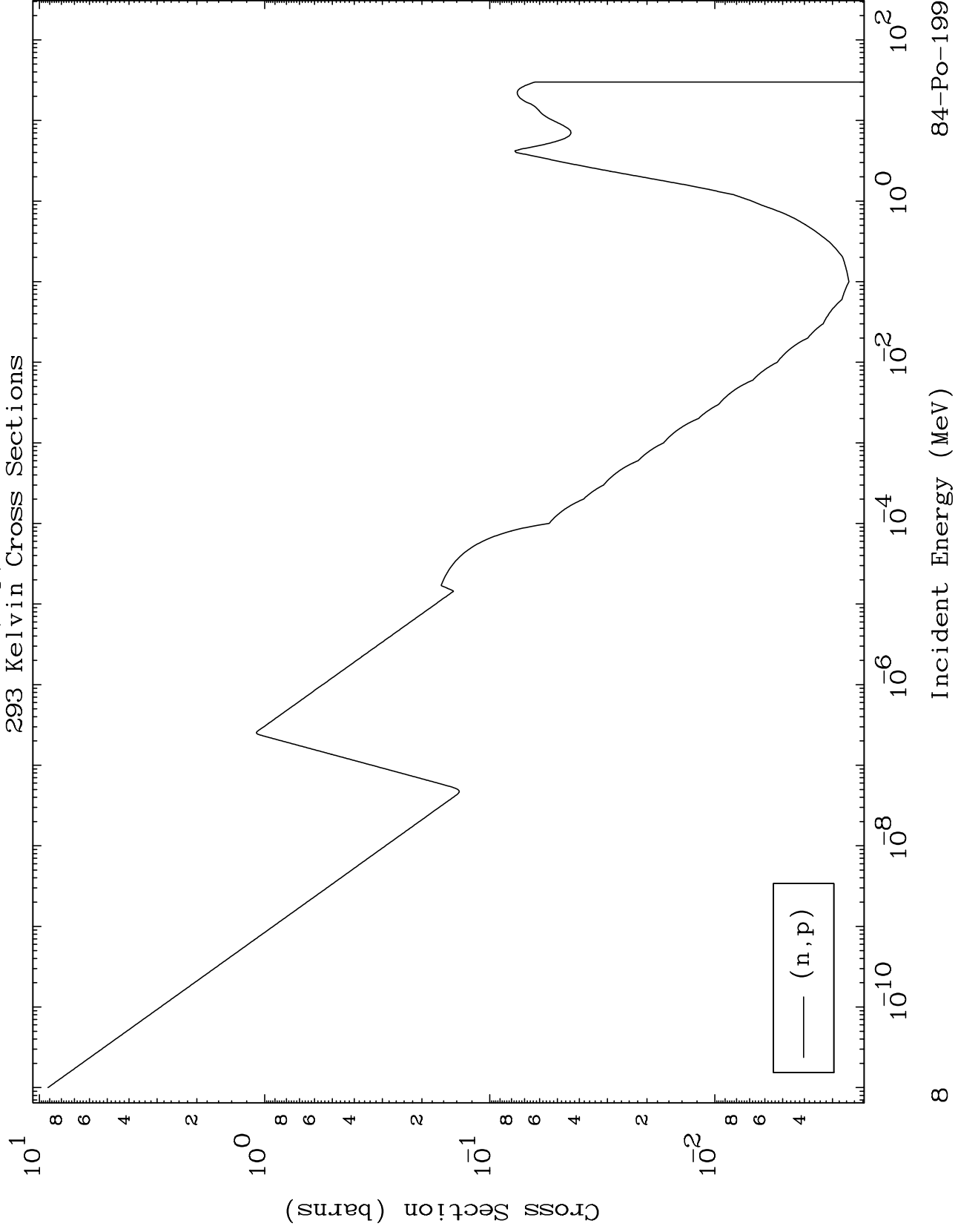




MAT 8404

(n,p) Levels
293 Kelvin Cross Sections

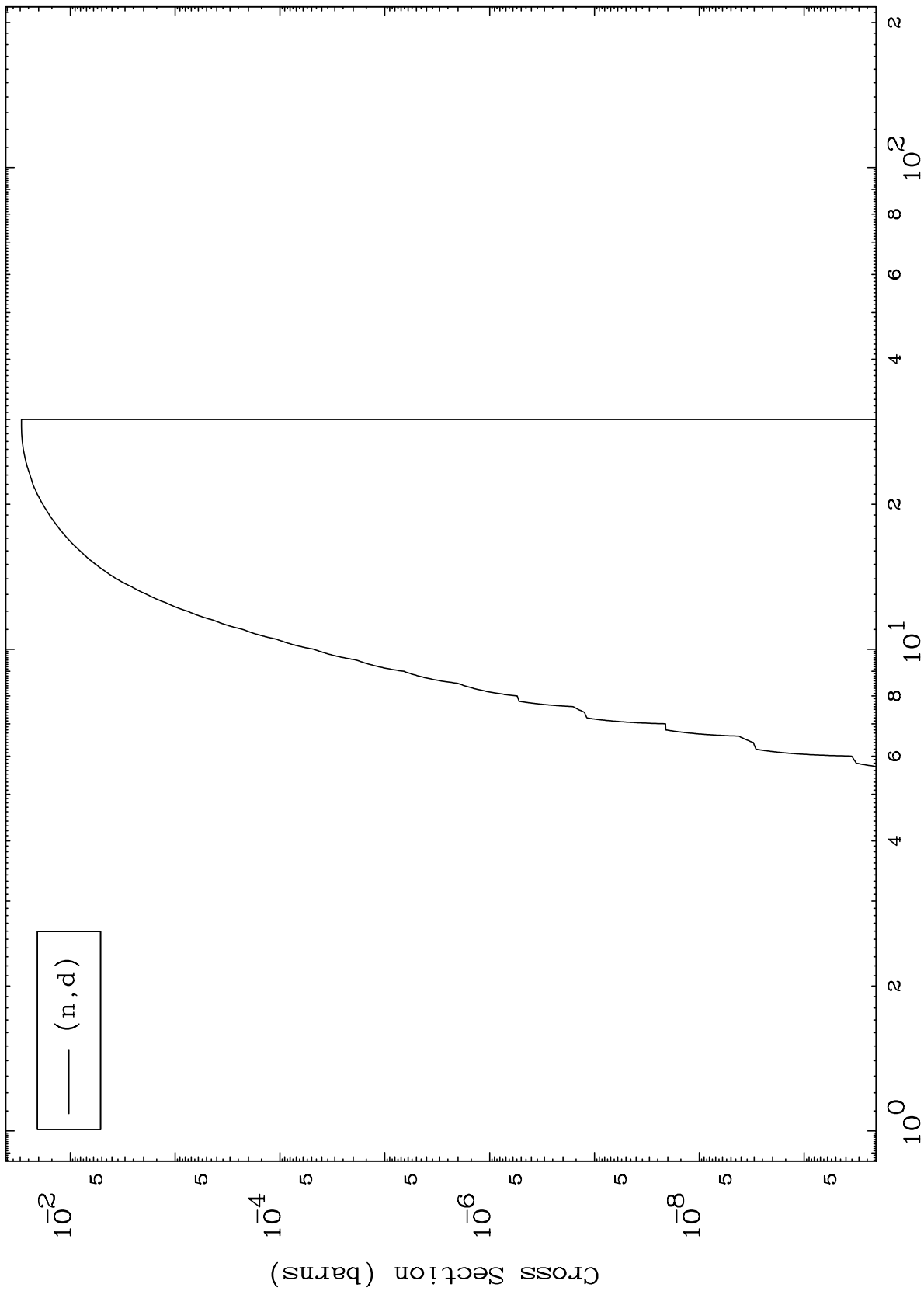
84-Po-199



MAT 8404

84-Po-199

(n,d) Levels
293 Kelvin Cross Sections



Incident Energy (MeV)

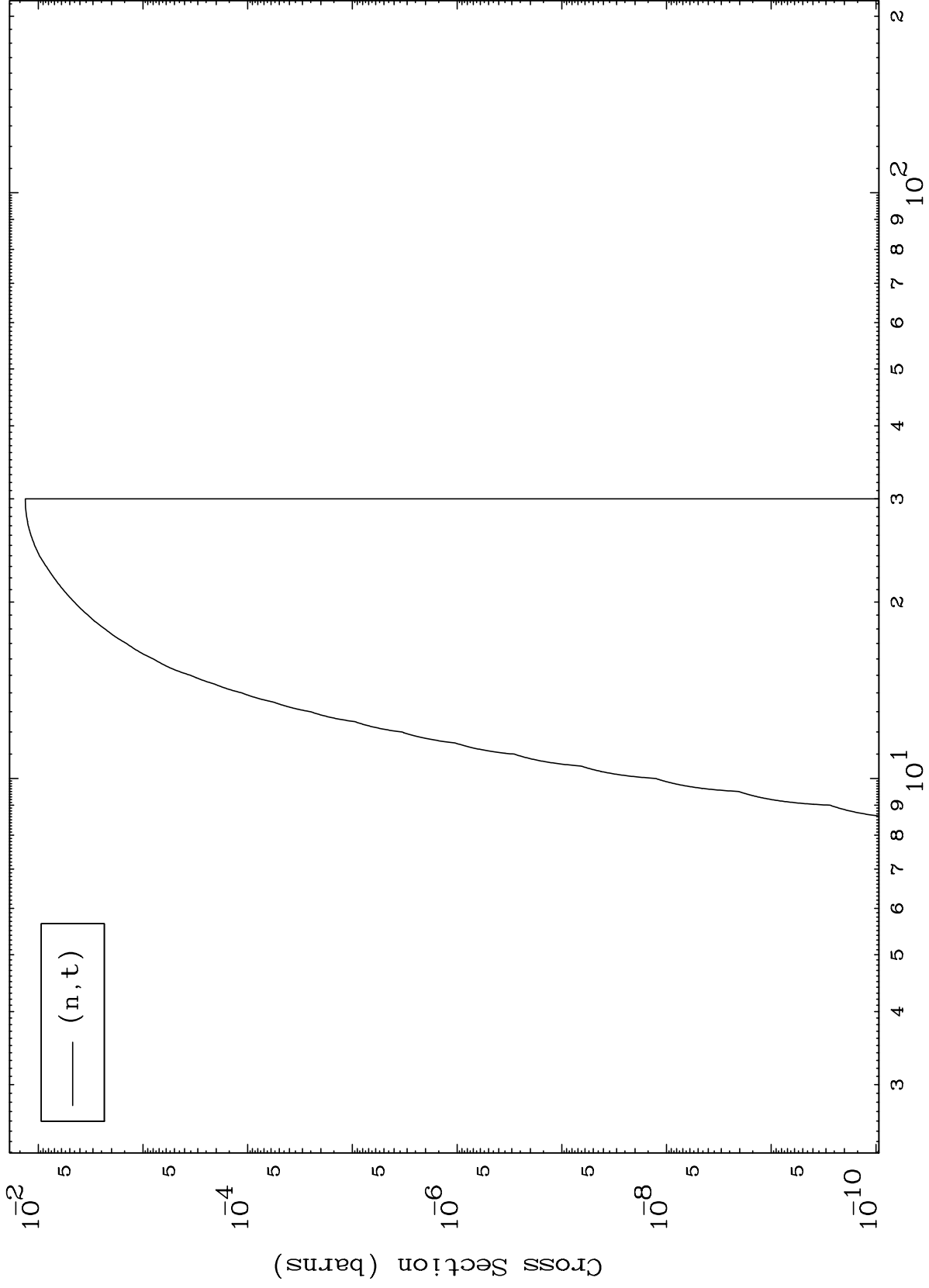
84-Po-199

9

MAT 8404

(n,t) Levels
293 Kelvin Cross Sections

84-Po-199



10

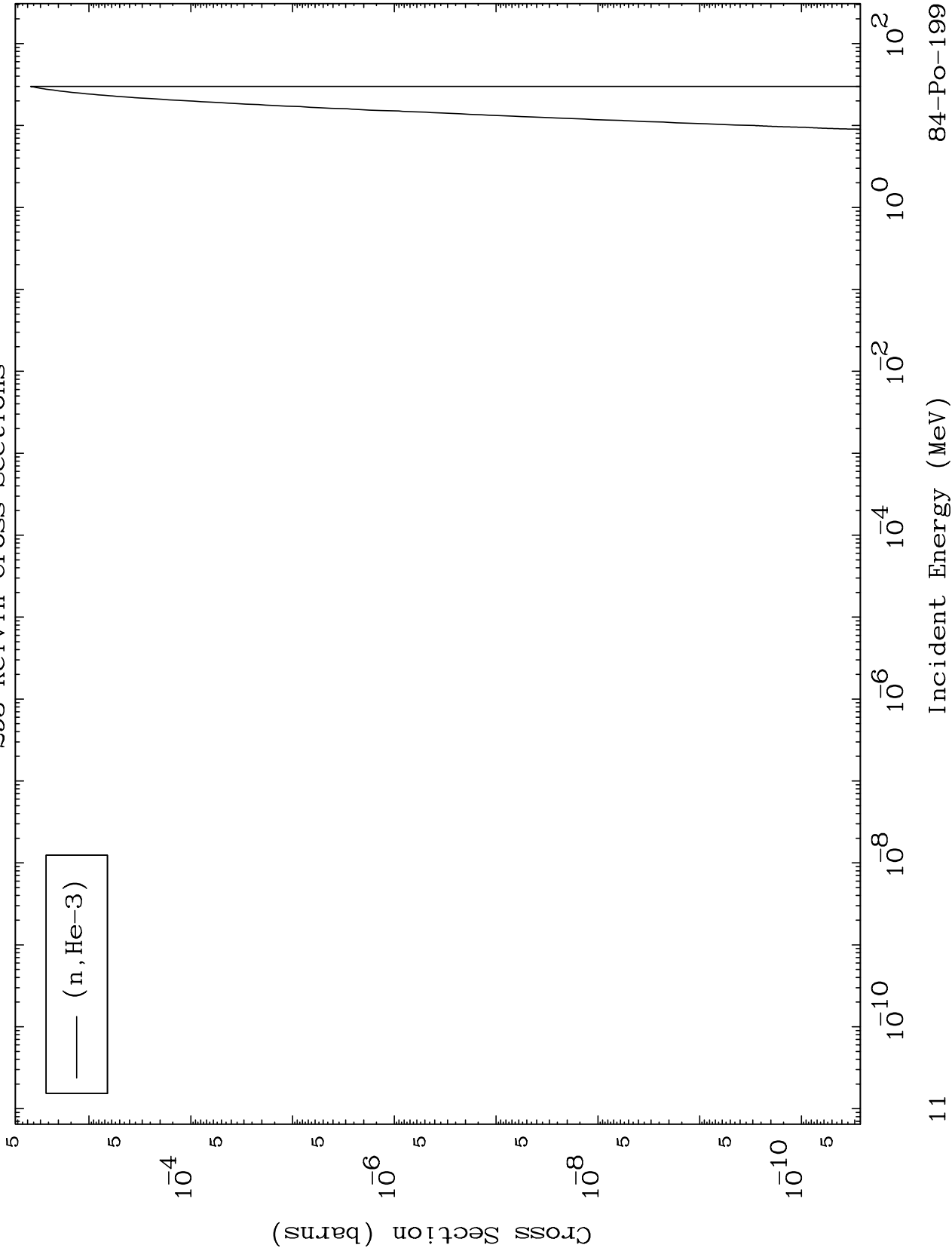
Incident Energy (MeV)

84-Po-199

MAT 8404

(n,He3) Levels
293 Kelvin Cross Sections

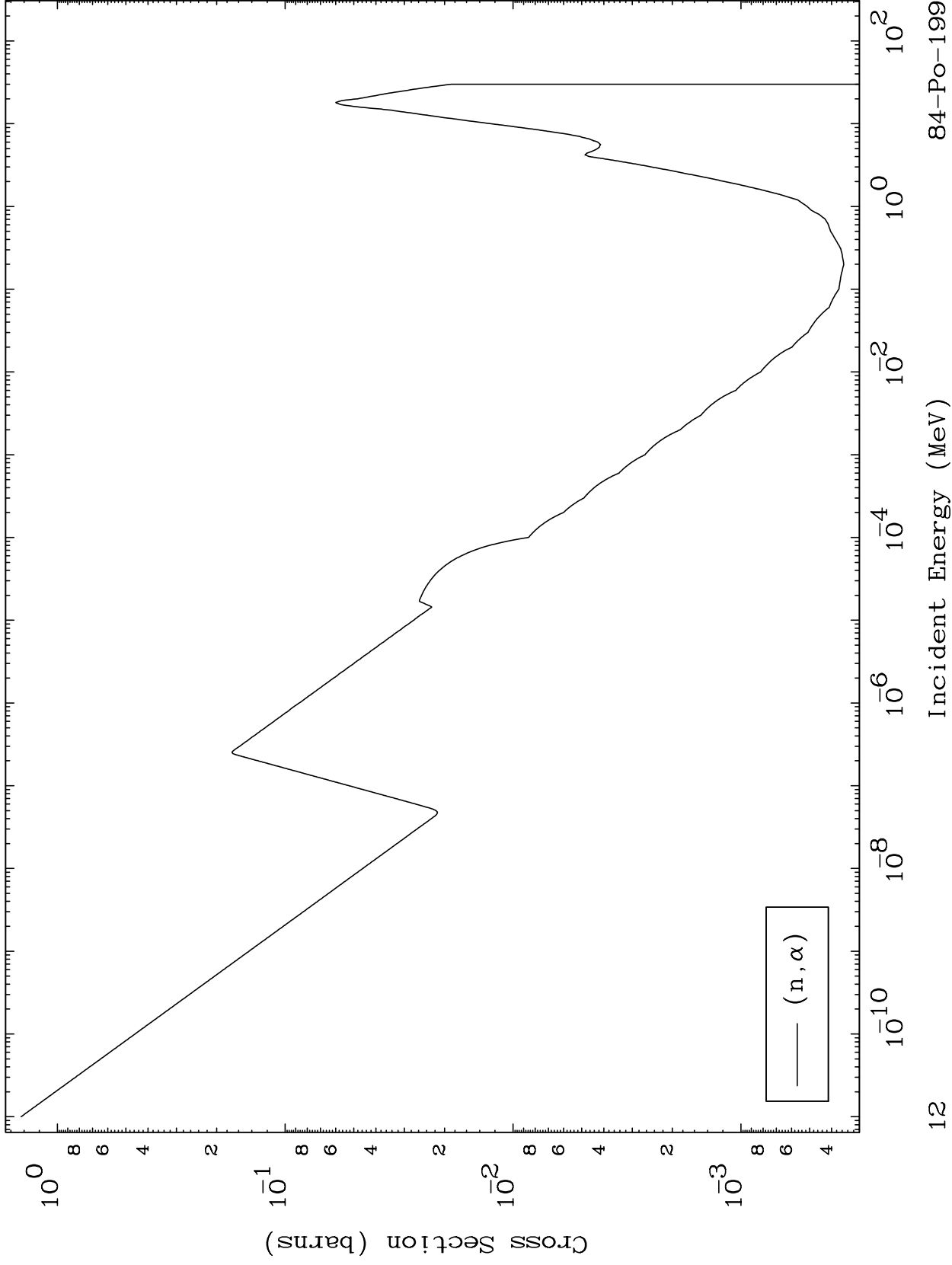
84-Po-199

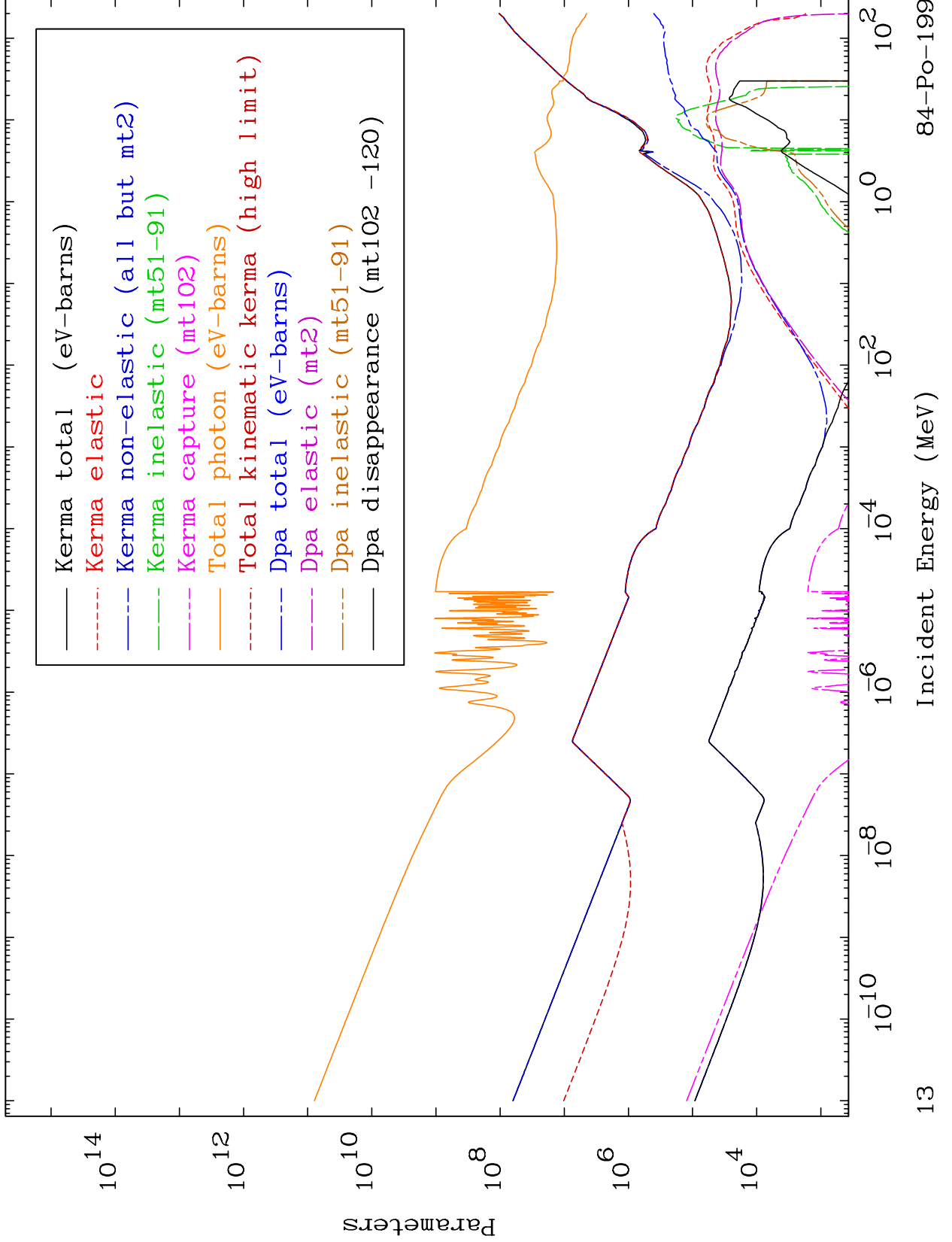


MAT 8404

(n, α) Levels
293 Kelvin Cross Sections

84-Po-199

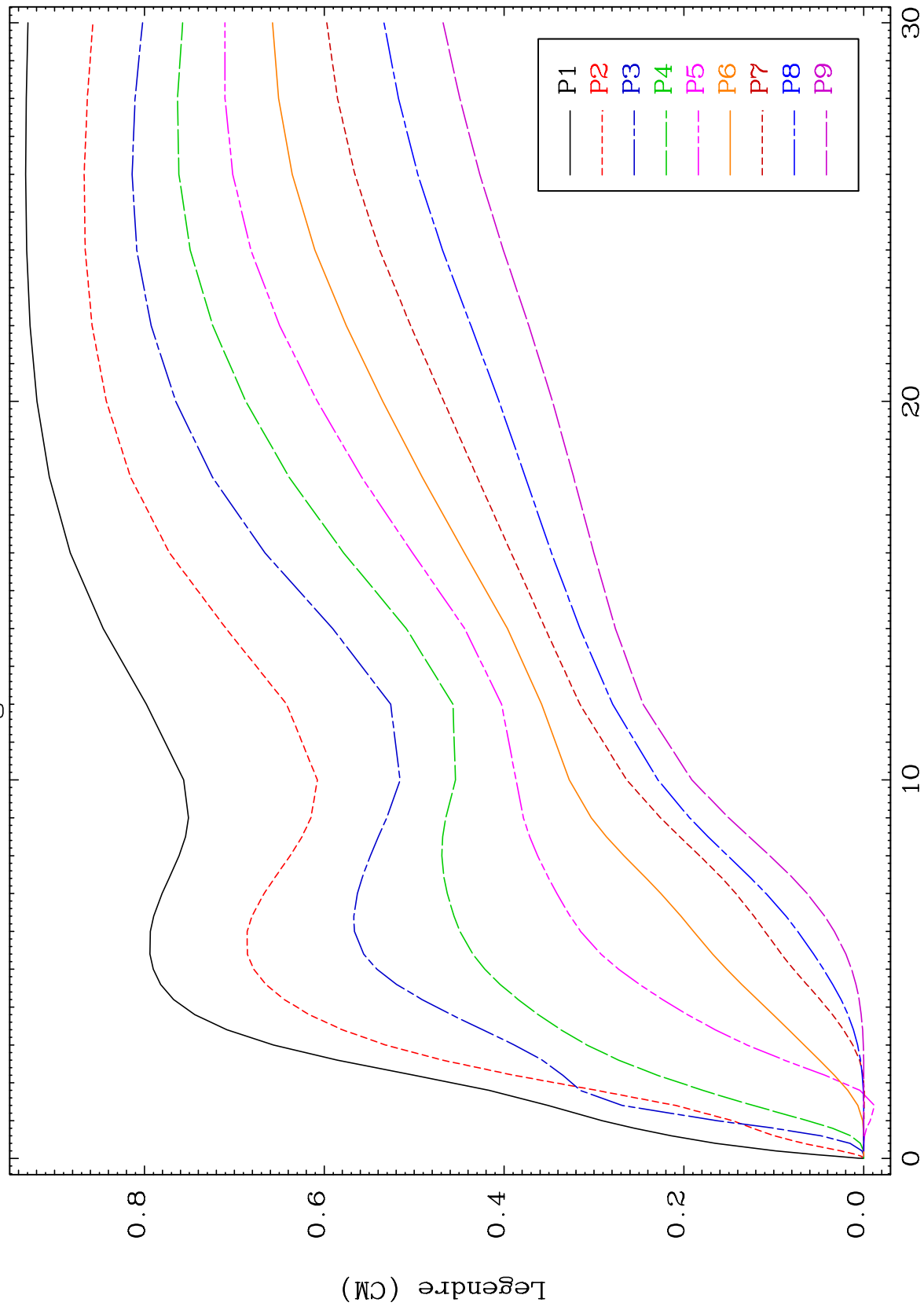




MAT 8404

Elastic Legendre Coefficients

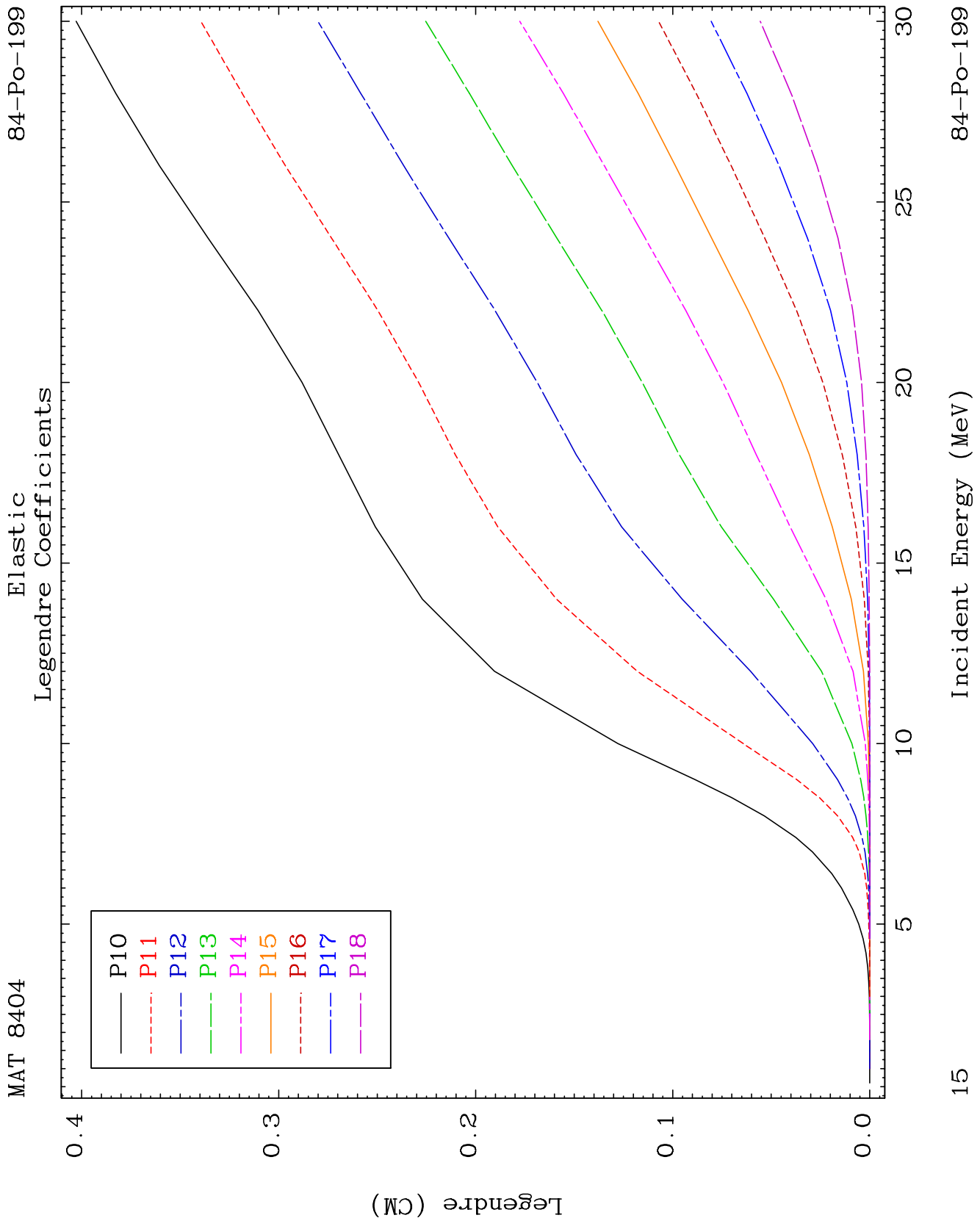
84-Po-199



14

Incident Energy (MeV)

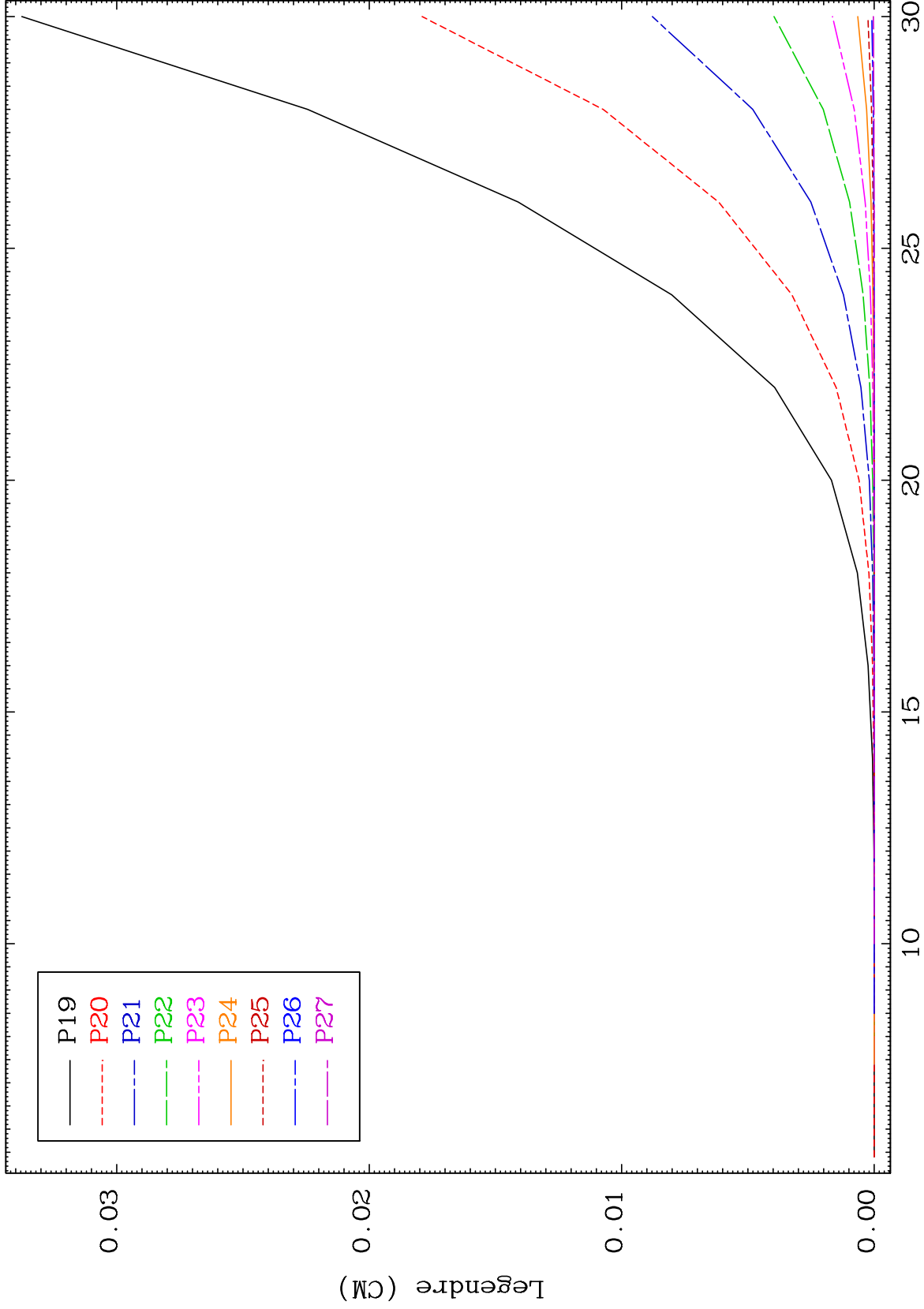
84-Po-199



MAT 8404

Elastic Legendre Coefficients

84-Po-199



16

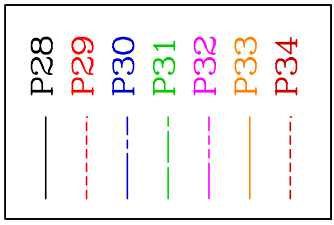
Incident Energy (MeV)

84-Po-199

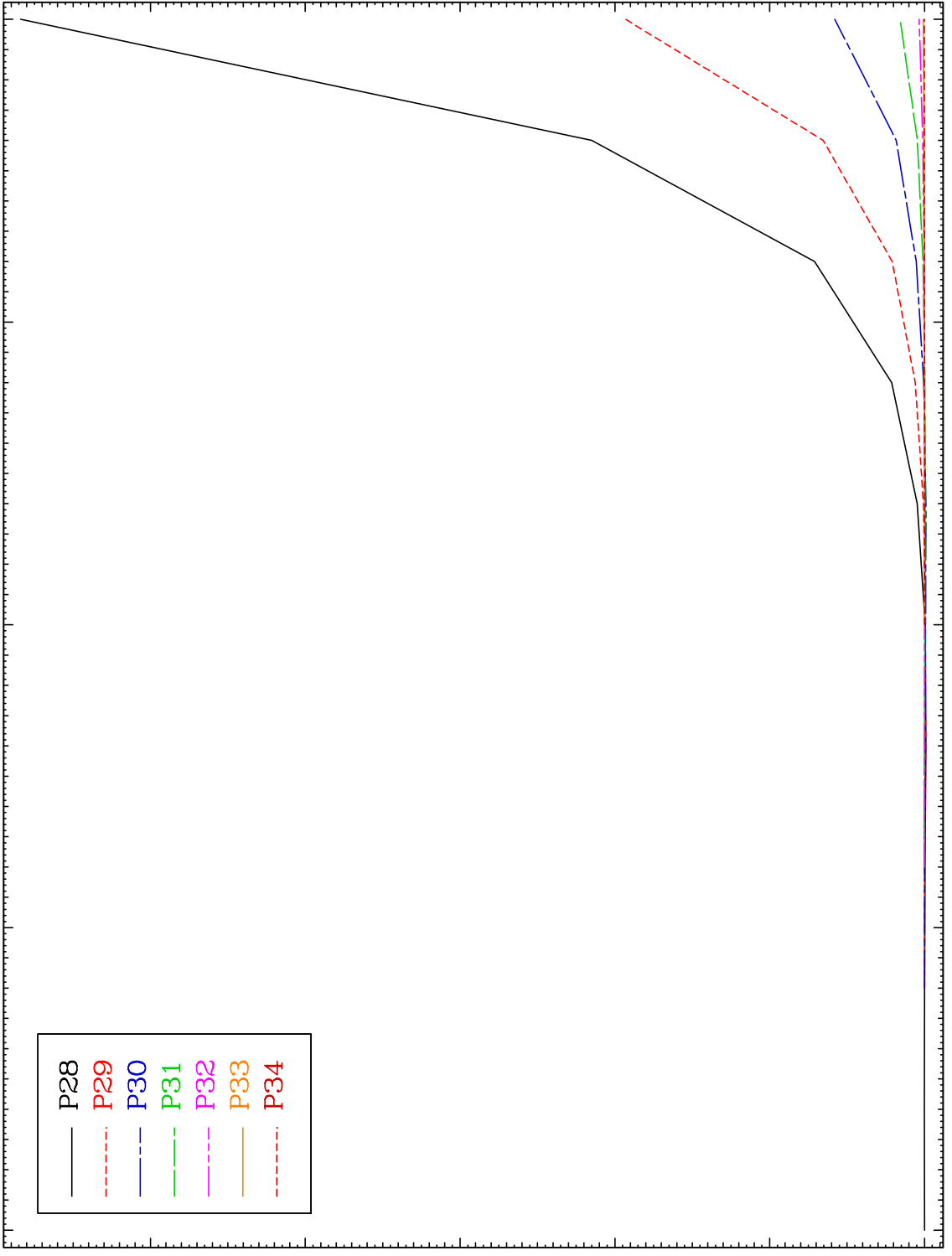
MAT 8404

Elastic Legendre Coefficients

84-Po-199



$\times 10^{-5}$
1.0
0.8
0.6
0.4
0.2
0.0



30

25

20

15

10

Incident Energy (MeV)

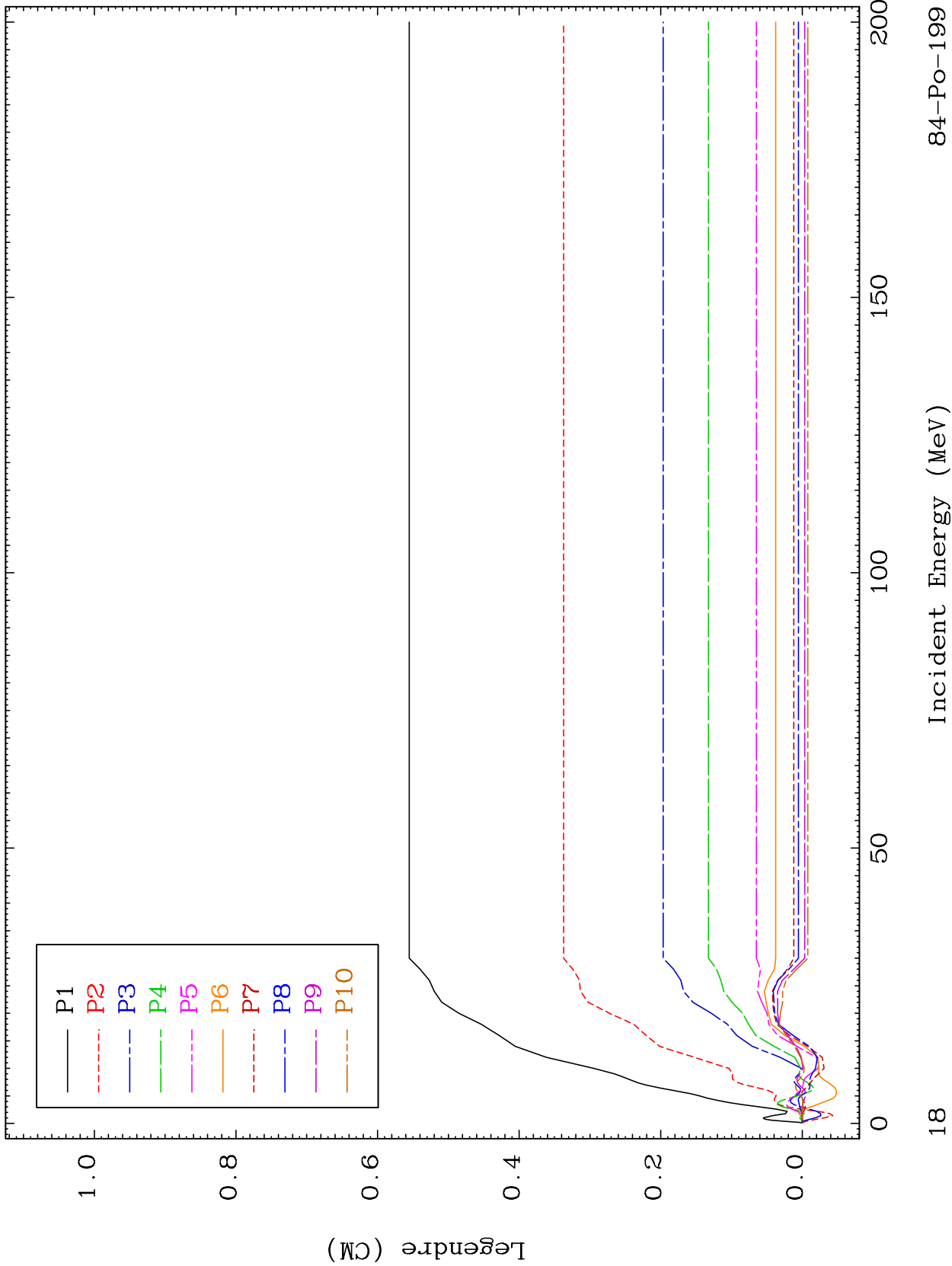
84-Po-199

17

MAT 8404

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

84-Po-199



84-Po-199

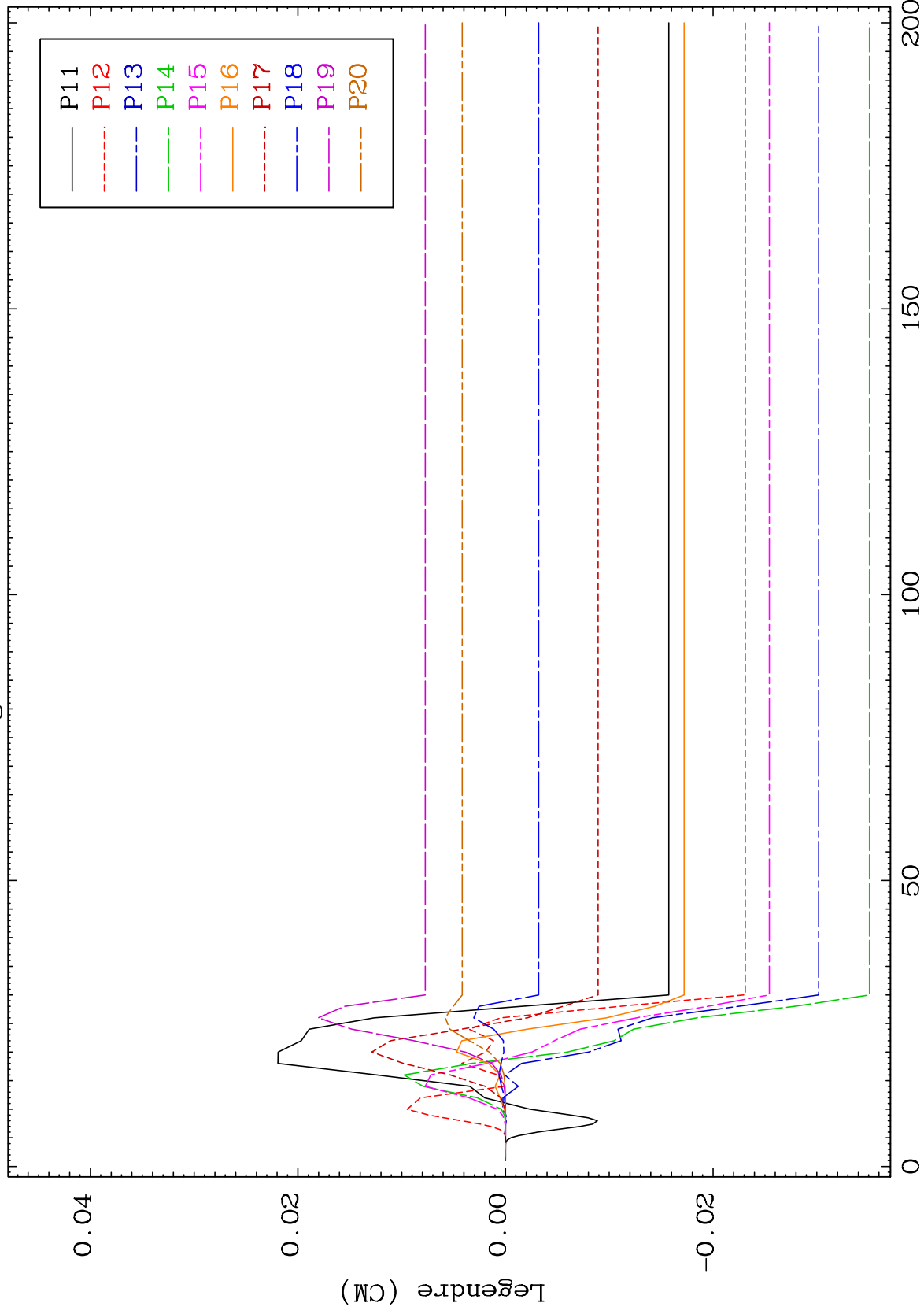
Incident Energy (MeV)

18

MAT 8404

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

84-Po-199



19

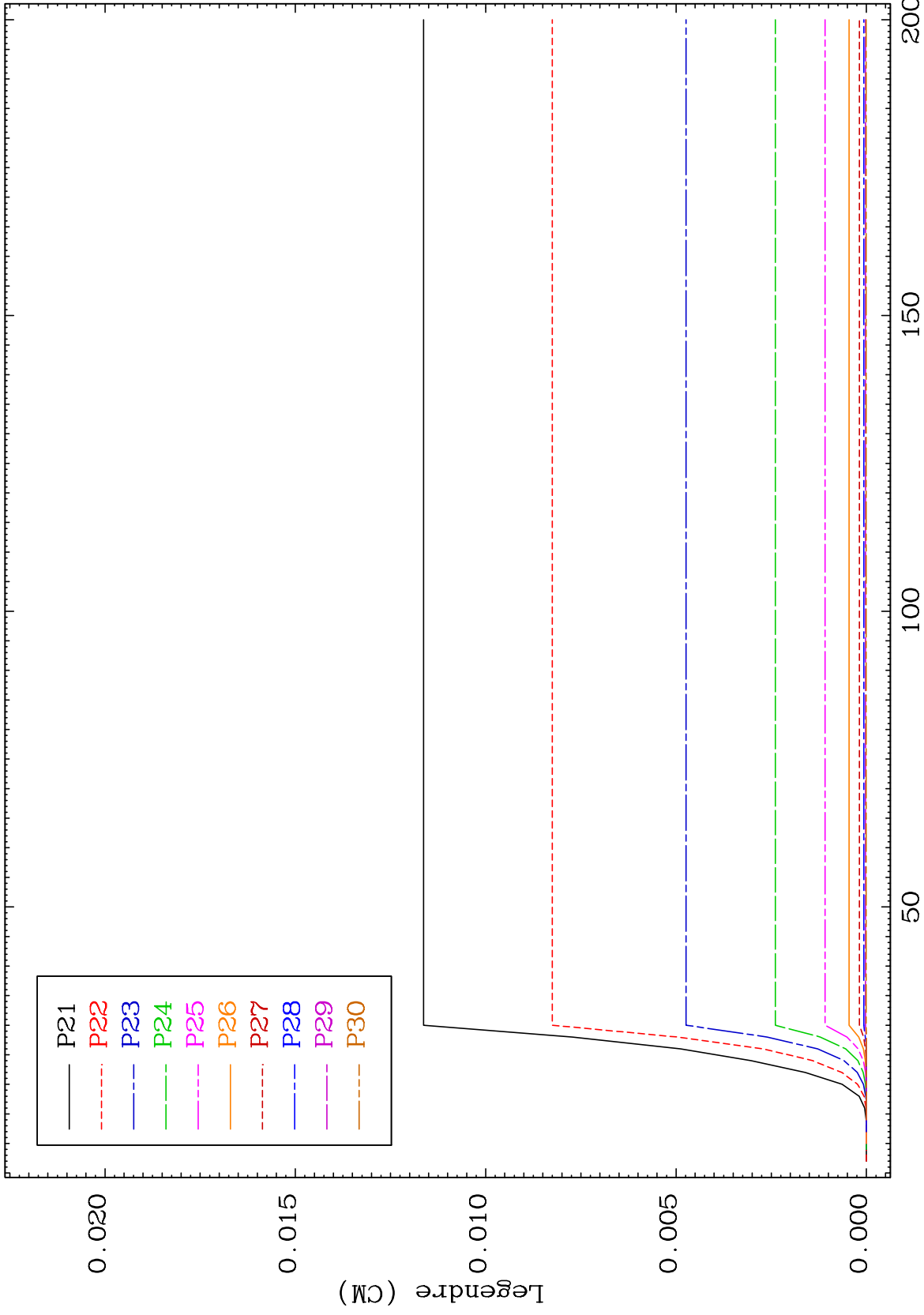
Incident Energy (MeV)

84-Po-199

MAT 8404

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

84-Po-199



20

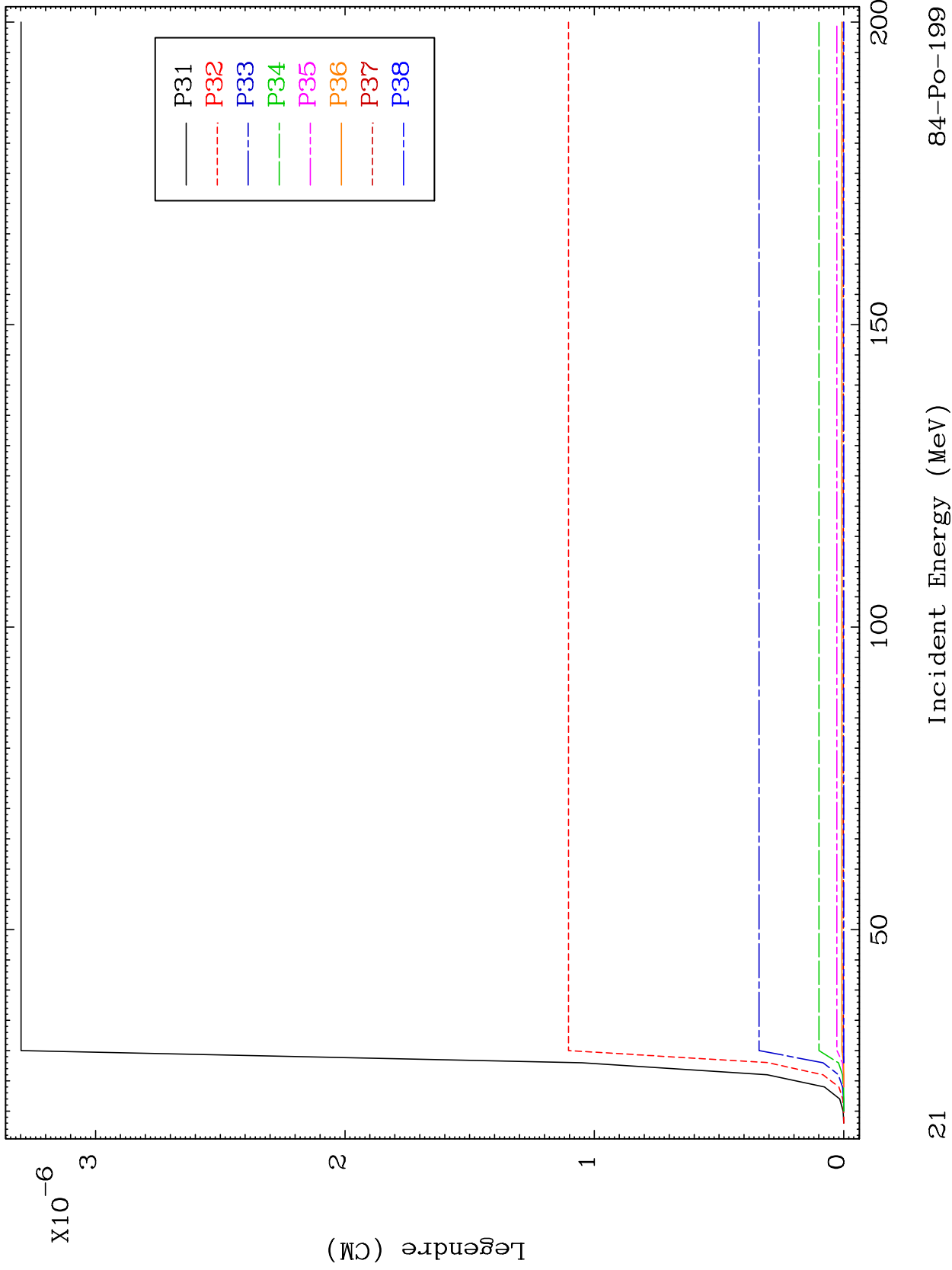
Incident Energy (MeV)

84-Po-199

MAT 8404

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

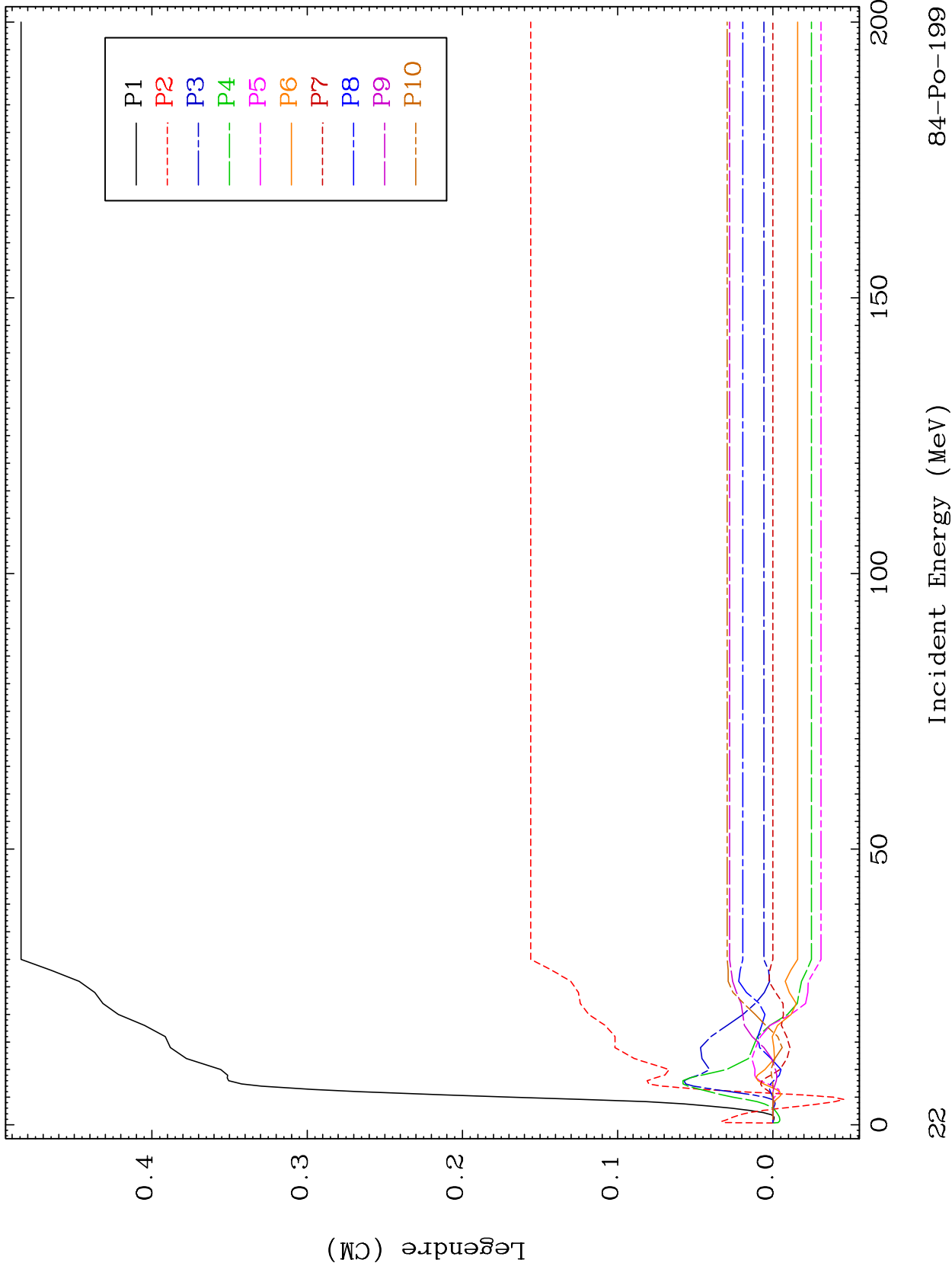
84-Po-199



MAT 8404

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

84-Po-199



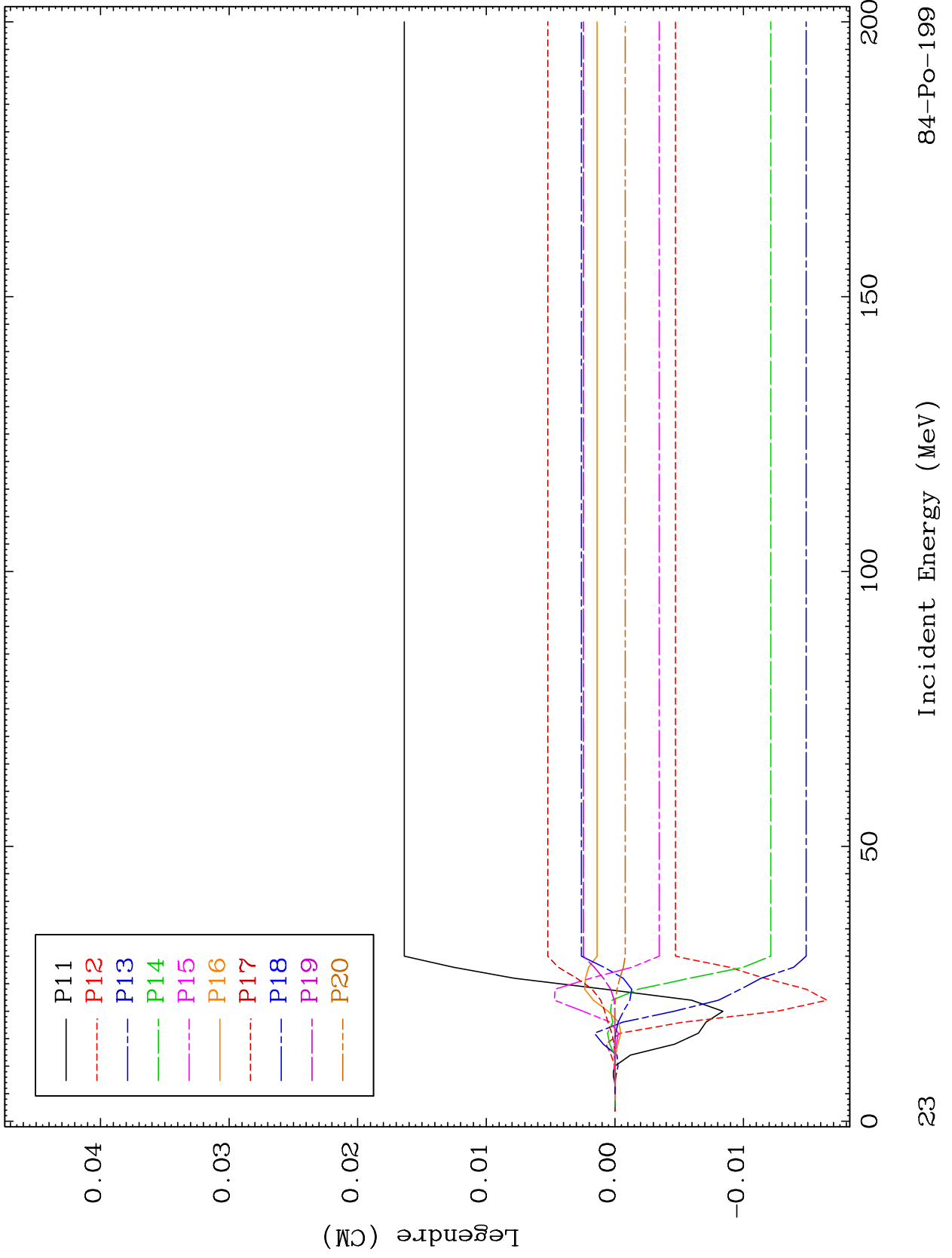
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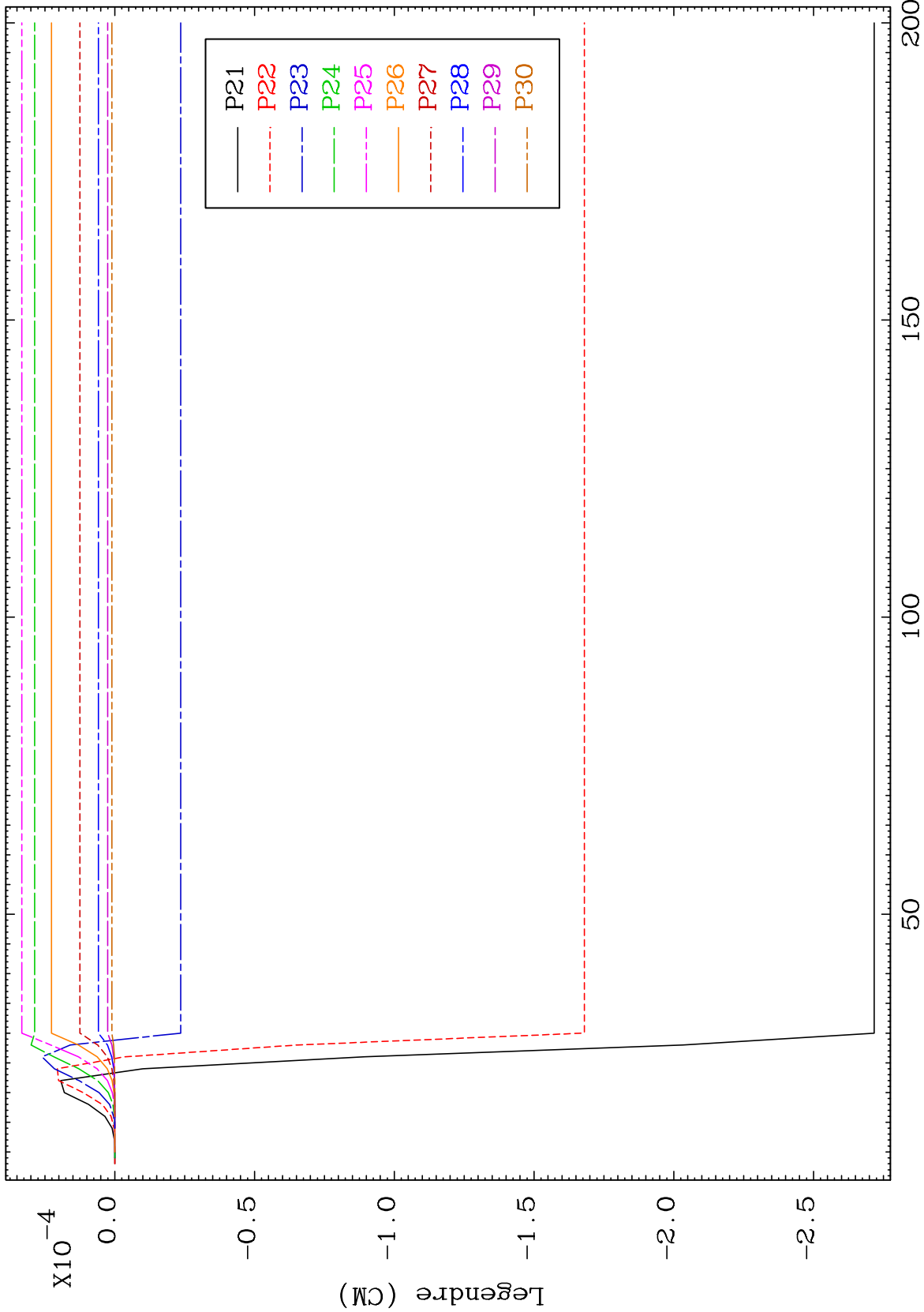
84-Po-199

MAT 8404

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

84-Po-199

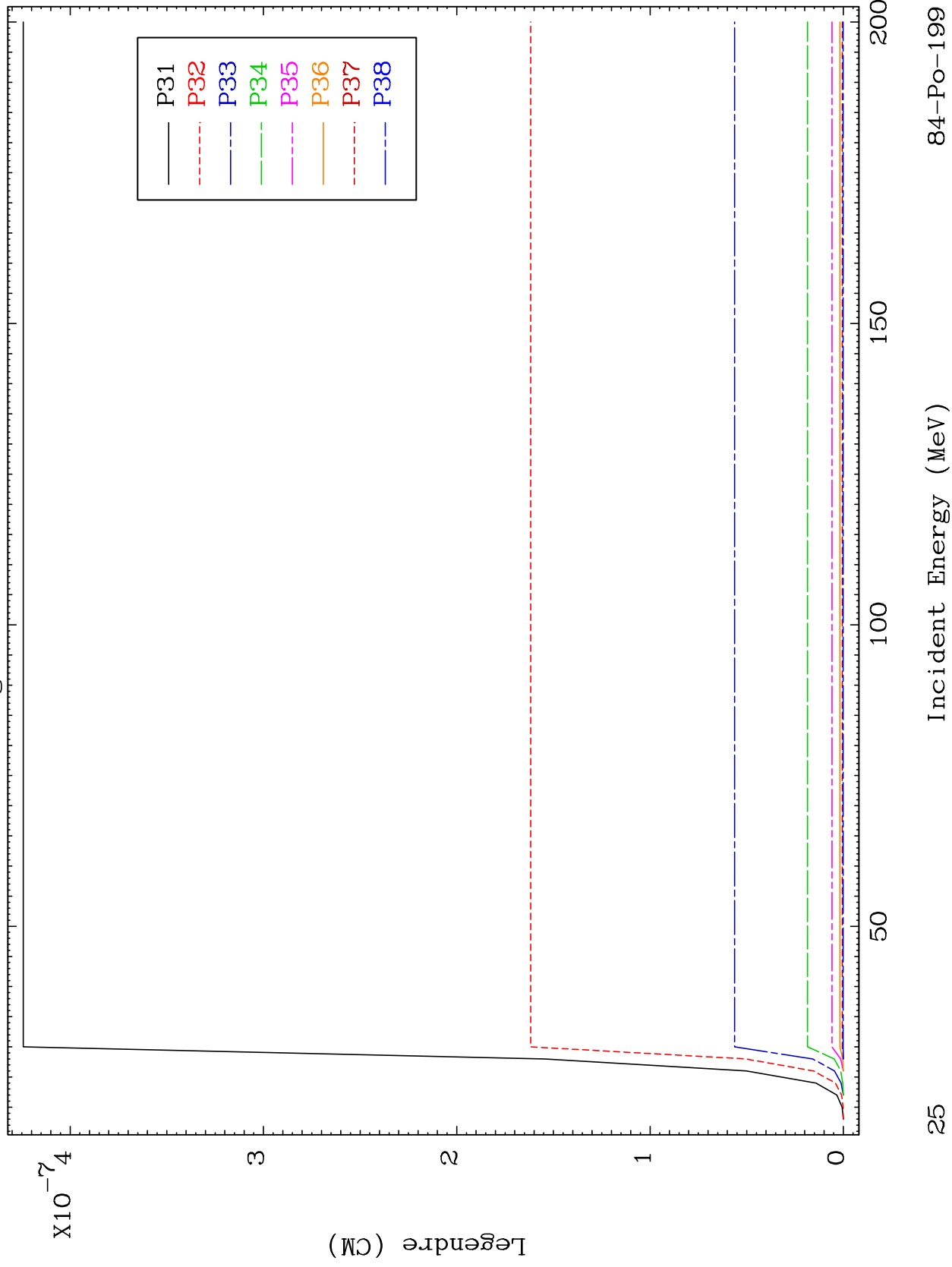




MAT 8404

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

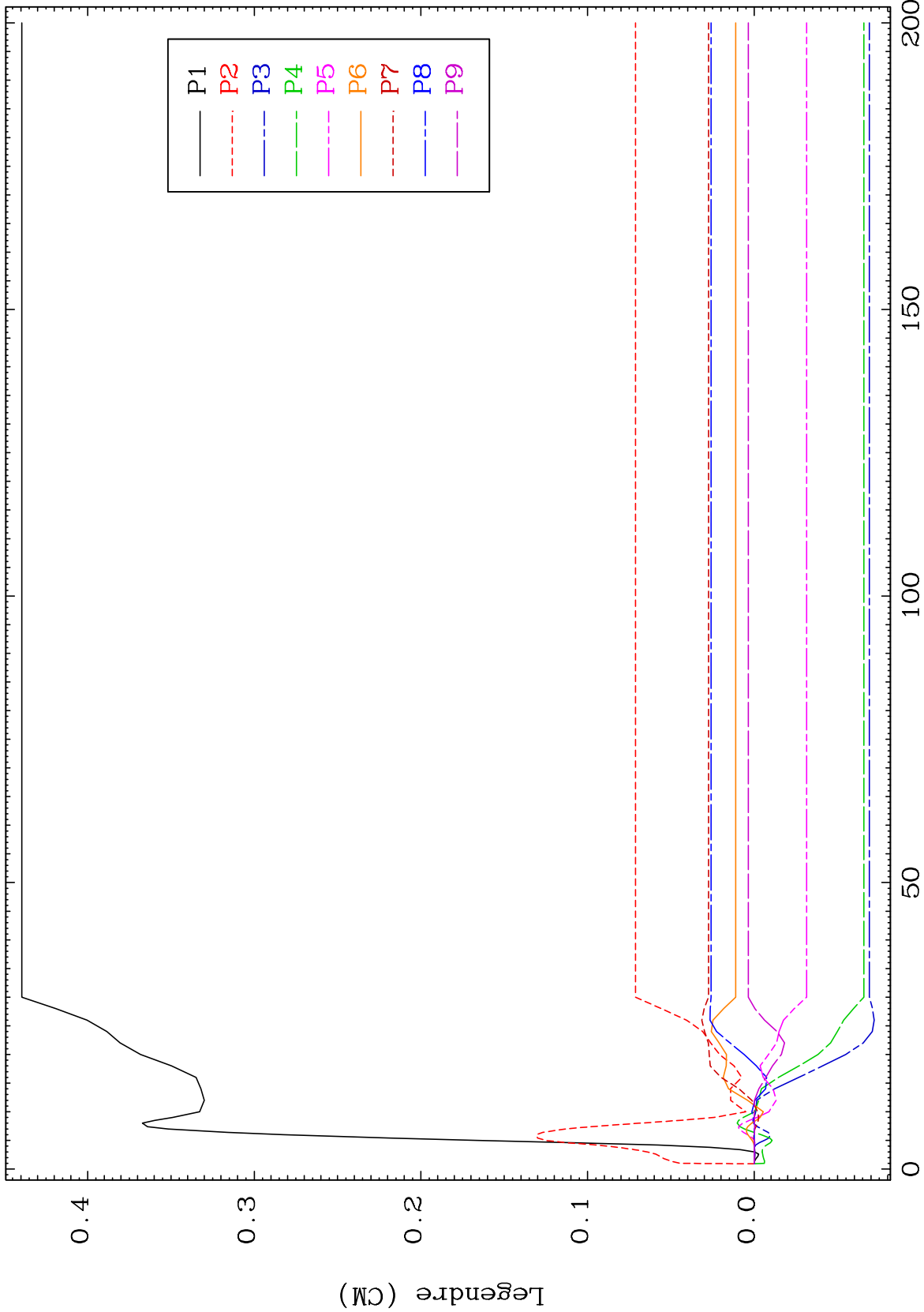
84-Po-199



25

Incident Energy (MeV)

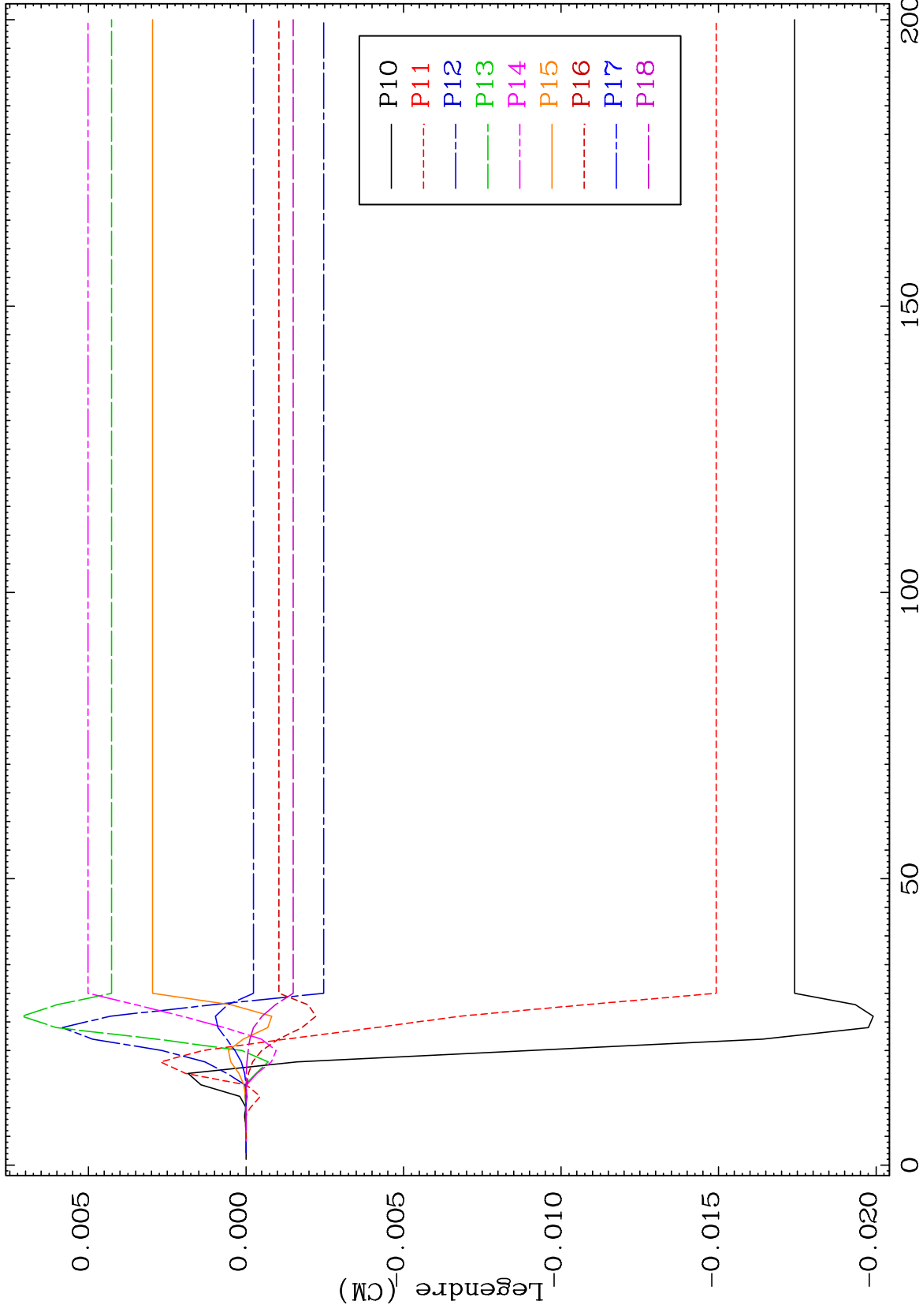
84-Po-199



MAT 8404

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

84-Po-199



27

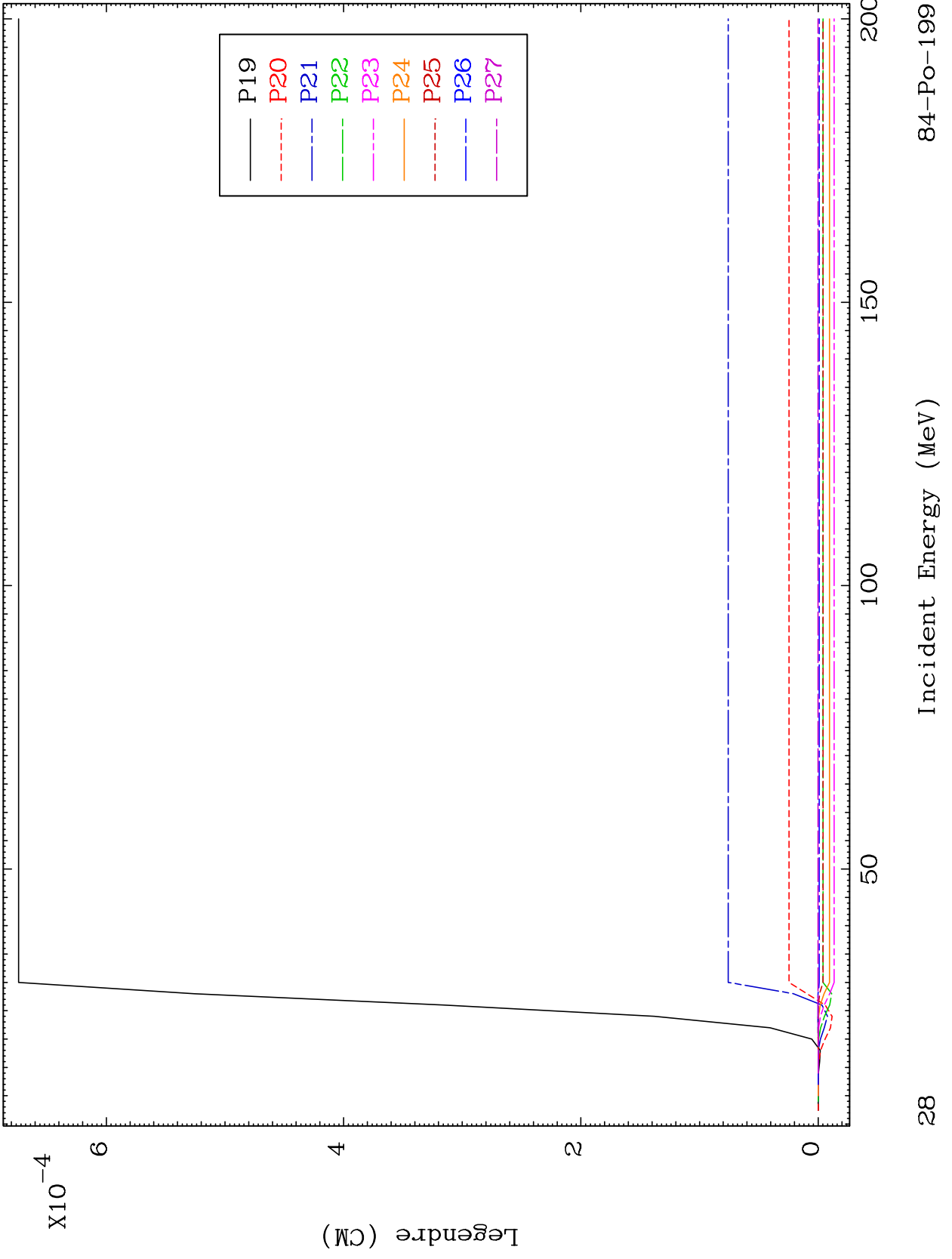
Incident Energy (MeV)

84-Po-199

MAT 8404

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

84-Po-199



28

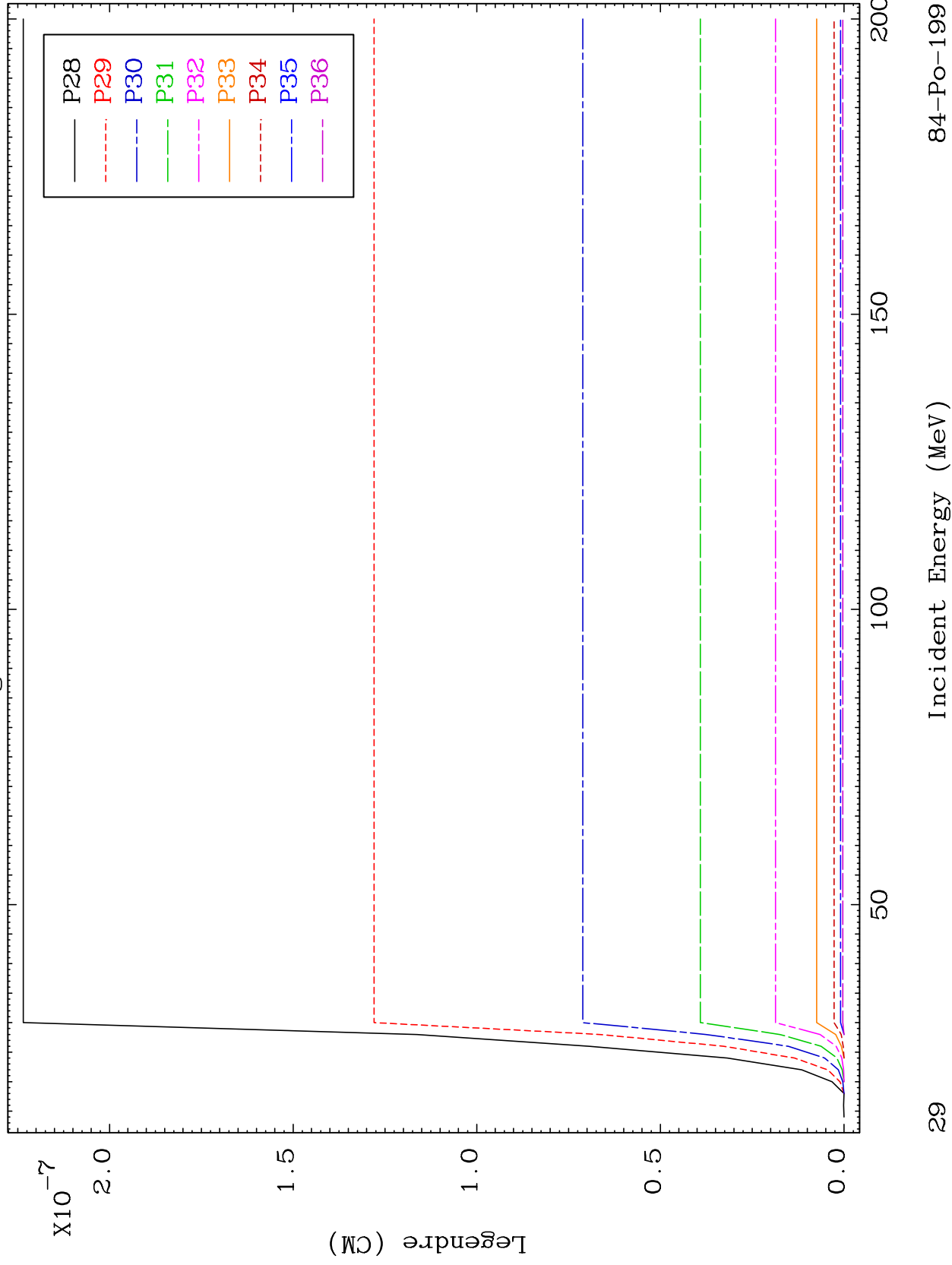
Incident Energy (MeV)

84-Po-199

MAT 8404

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

84-Po-199

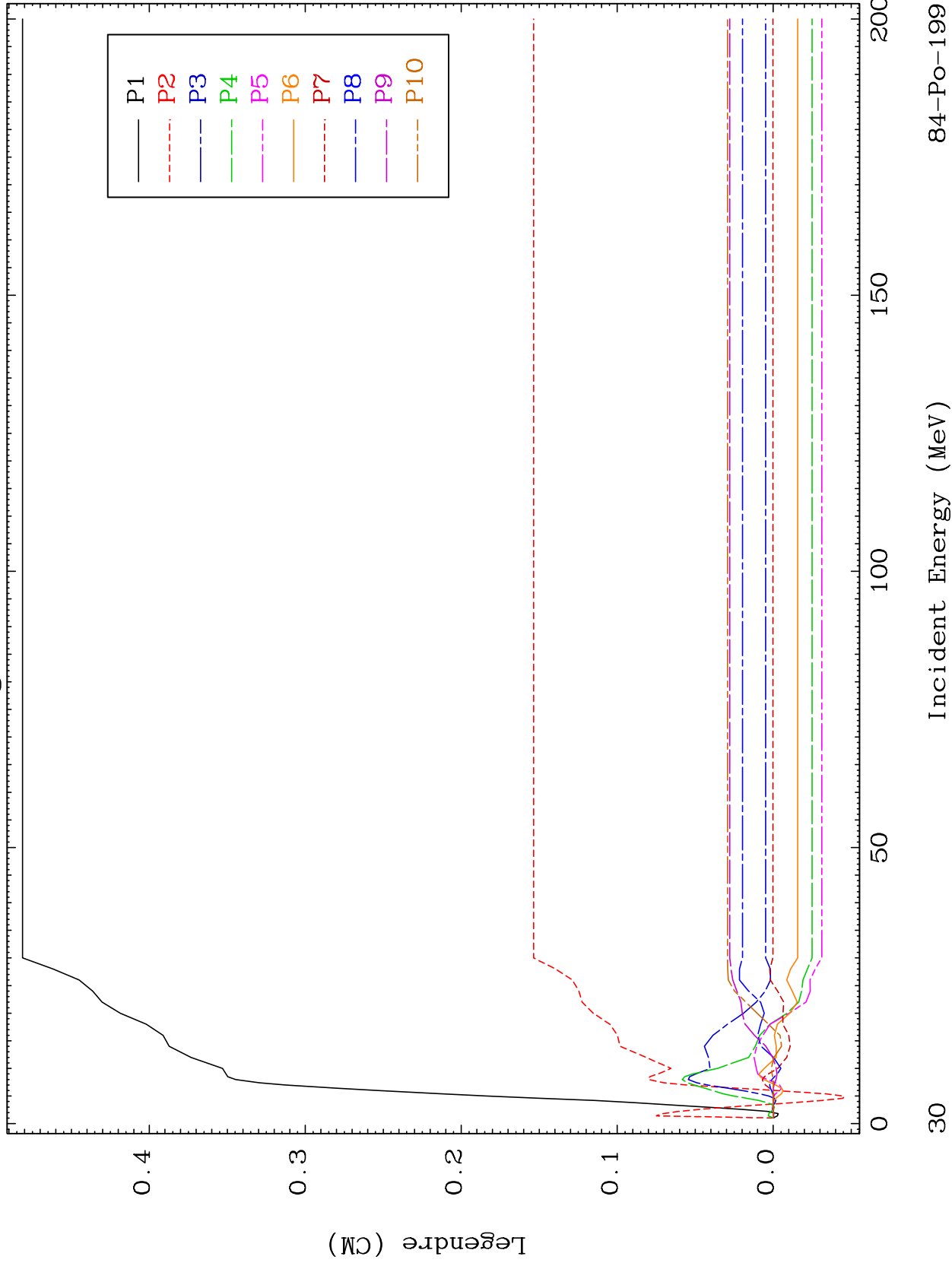


29

MAT 8404

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

84-Po-199



84-Po-199

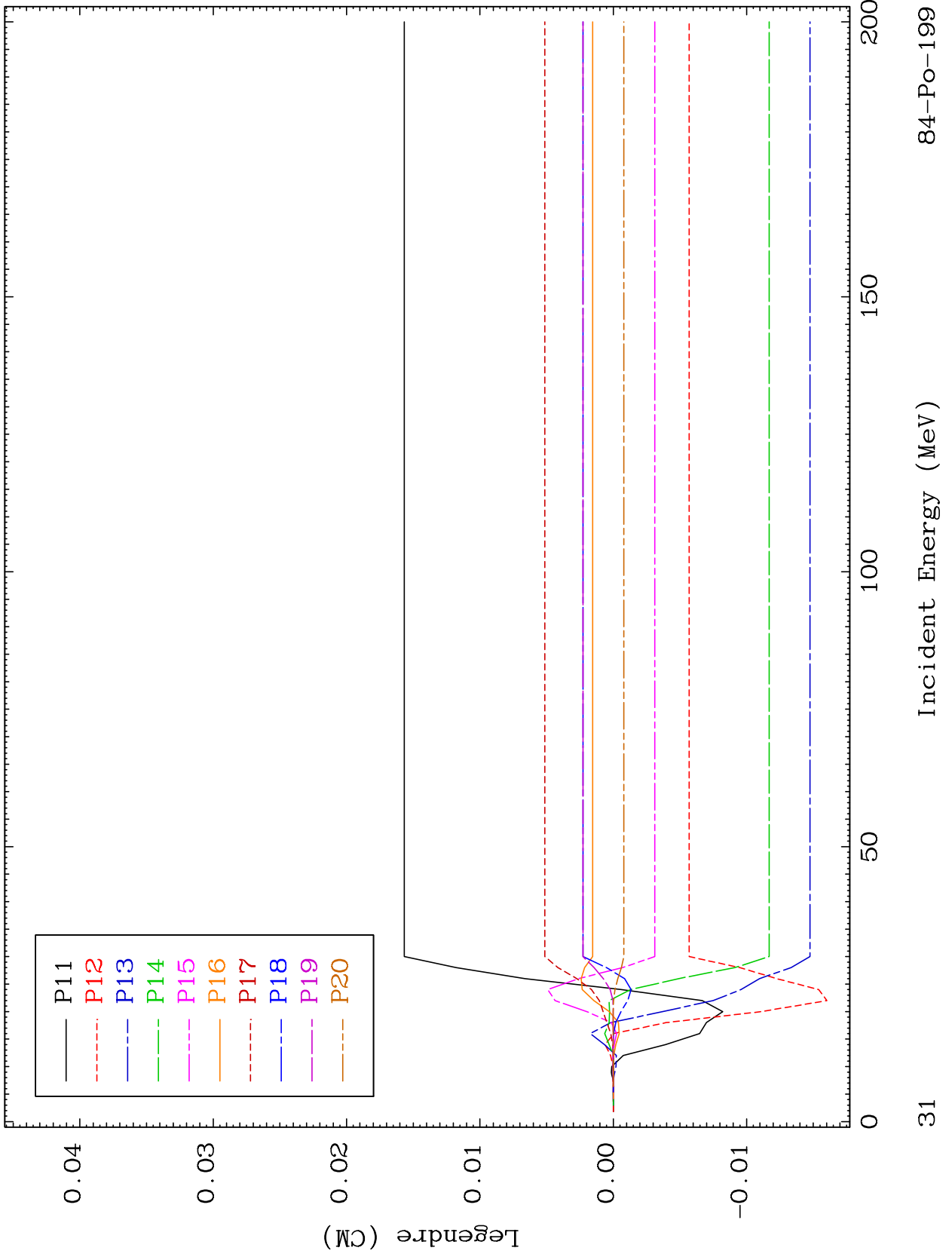
Incident Energy (MeV)

30

MAT 8404

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

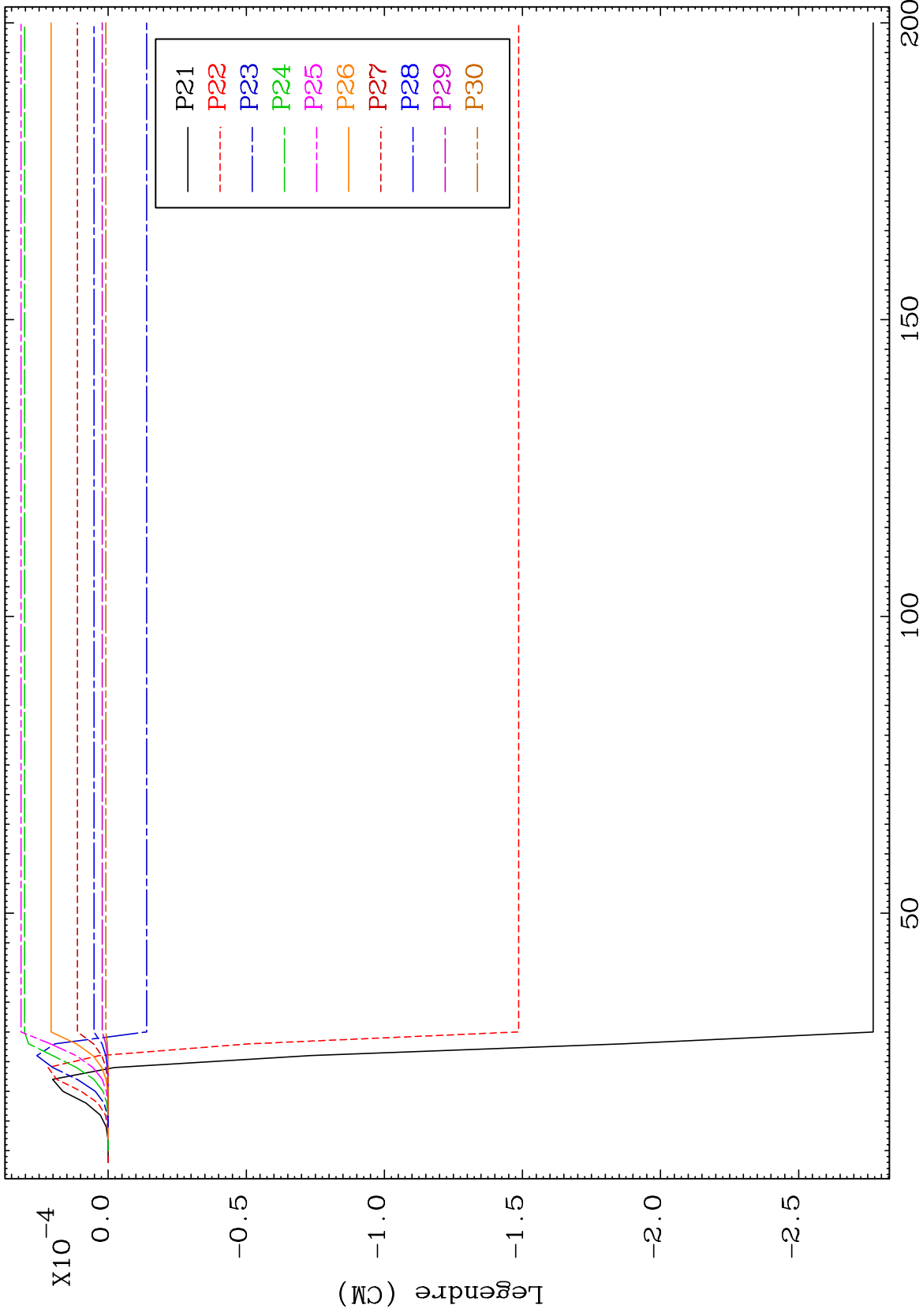
84-Po-199



31

Incident Energy (MeV)

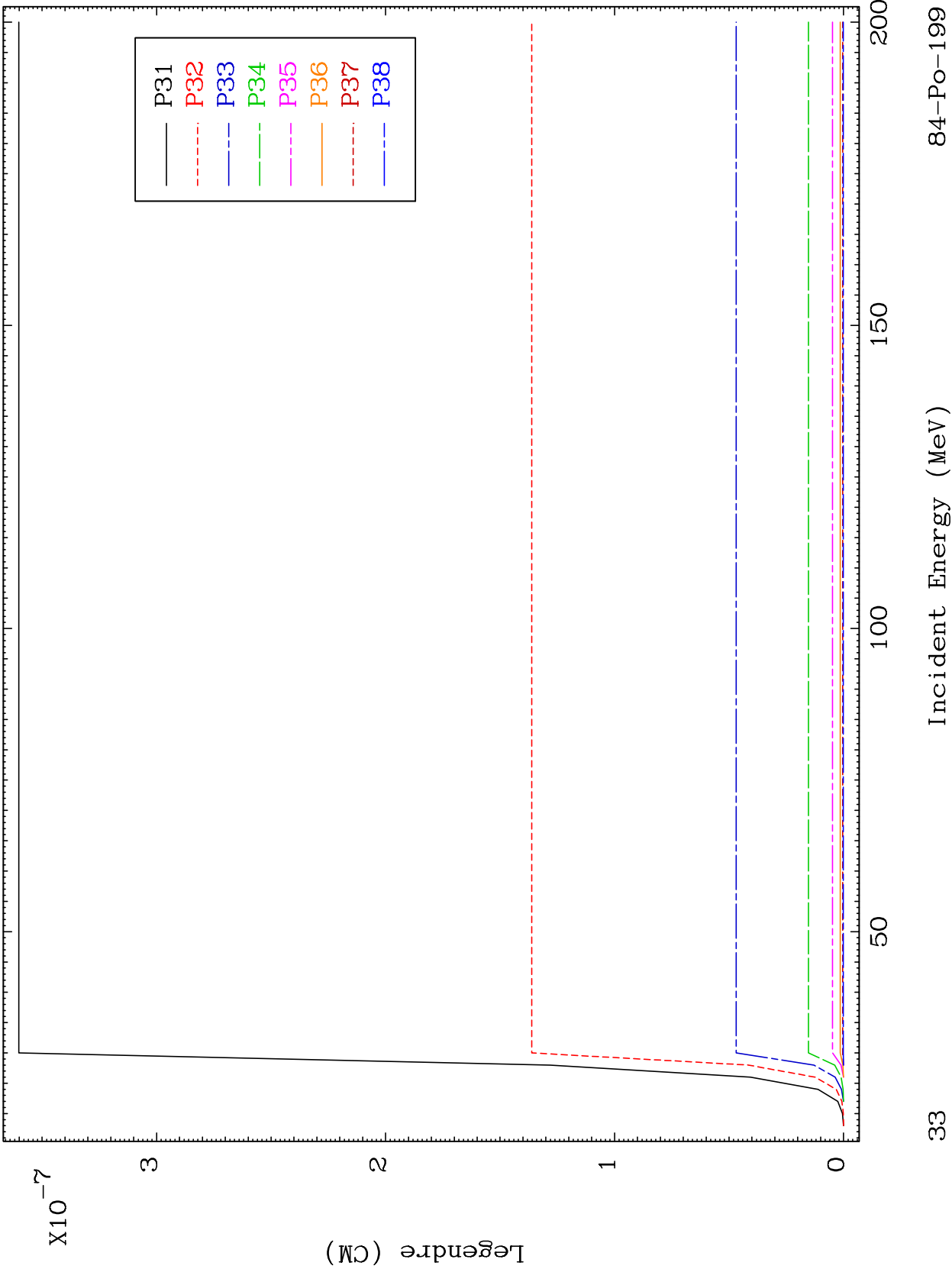
84-Po-199



MAT 8404

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

84-Po-199



33

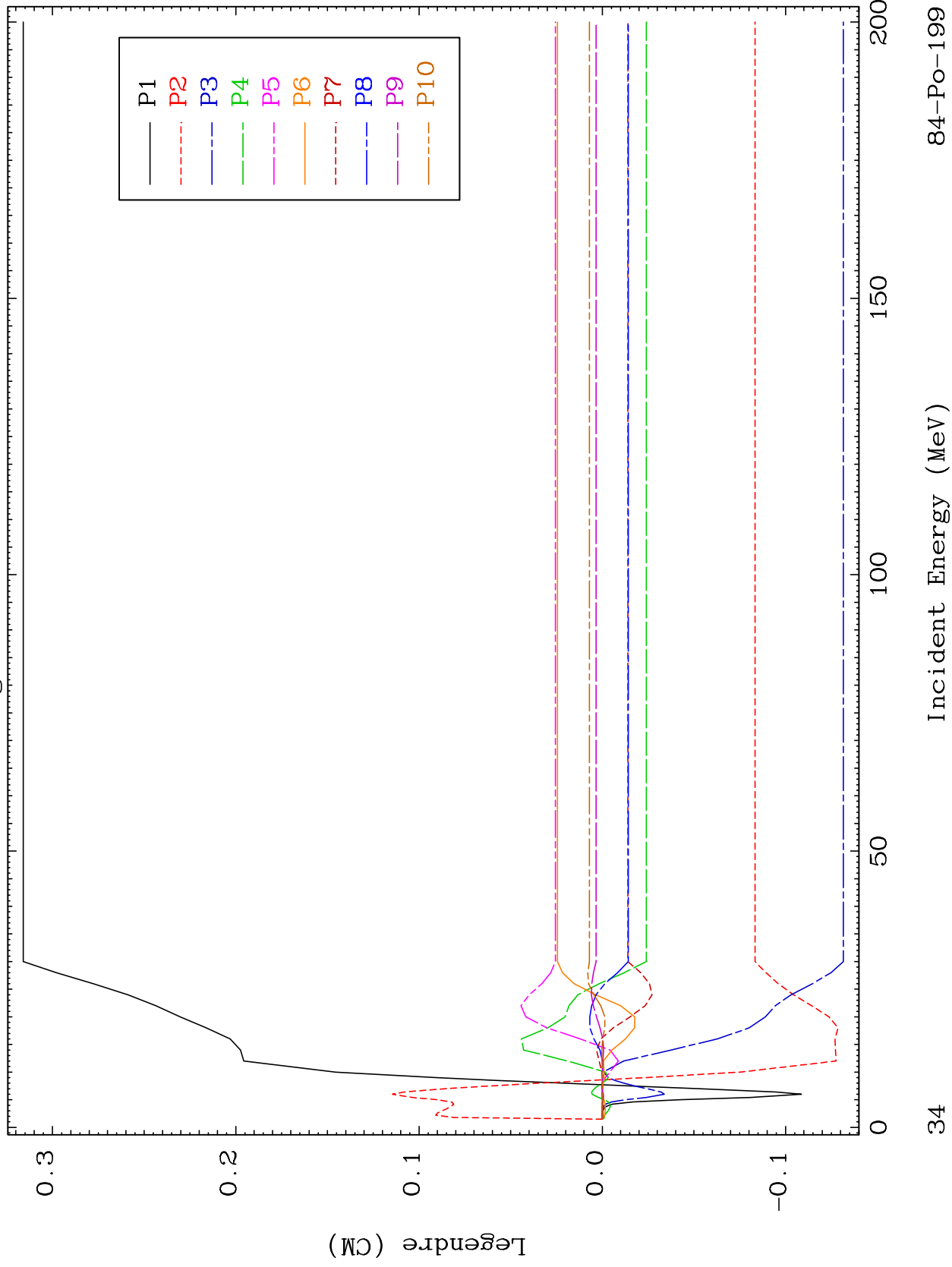
Incident Energy (MeV)

84-Po-199

MAT 8404

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

84-Po-199



34

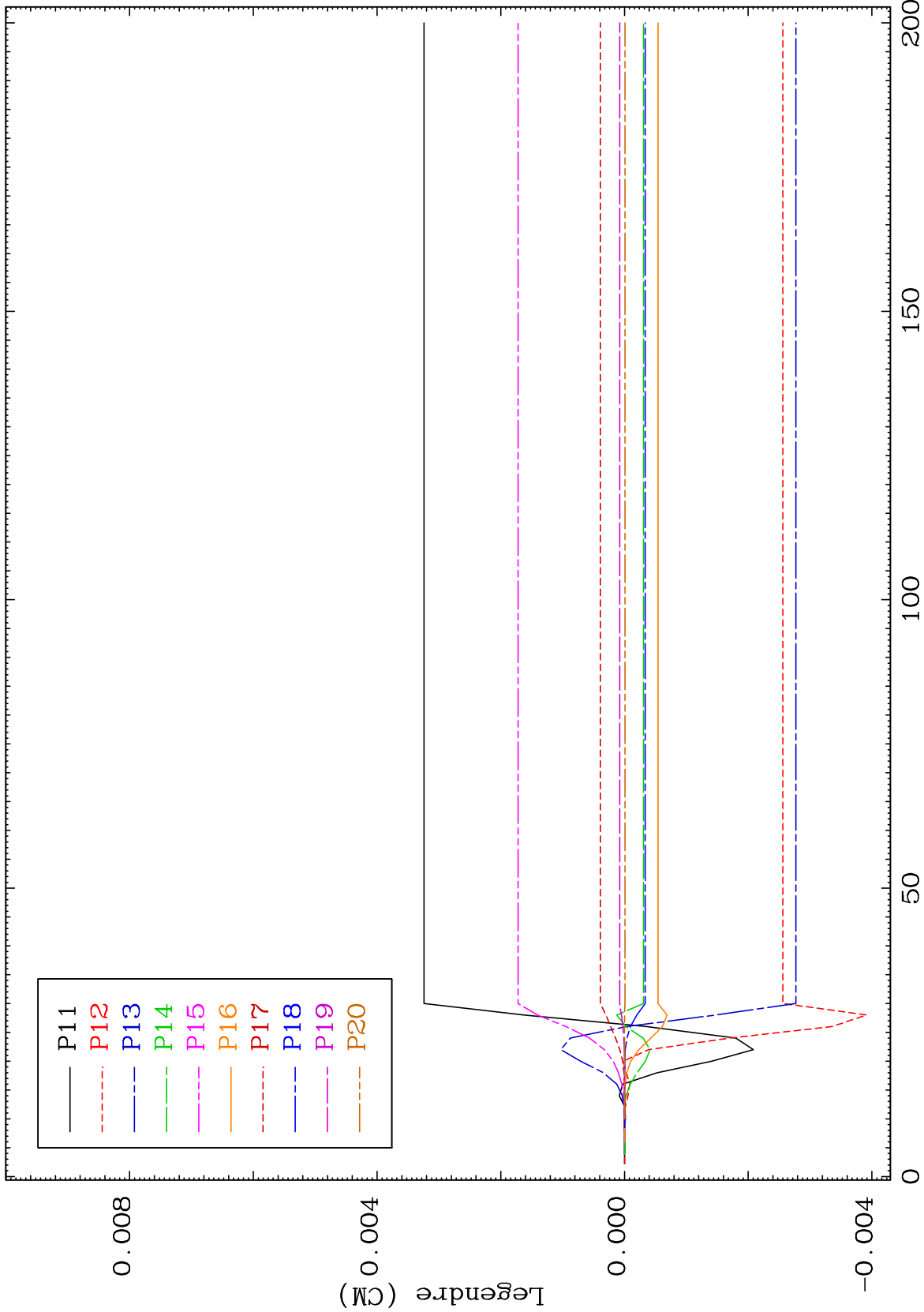
Incident Energy (MeV)

84-Po-199

MAT 8404

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

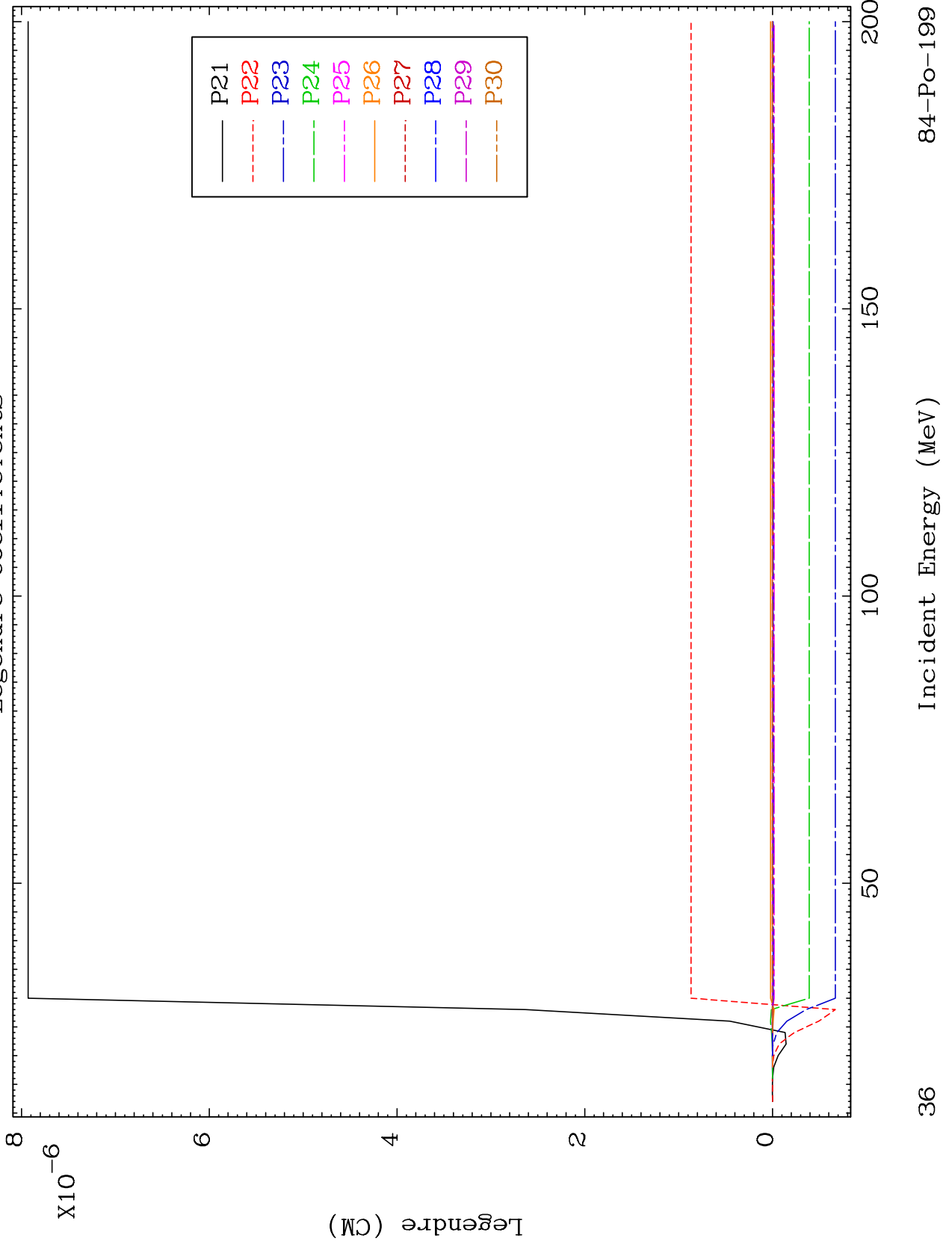
84-Po-199



35

Incident Energy (MeV)

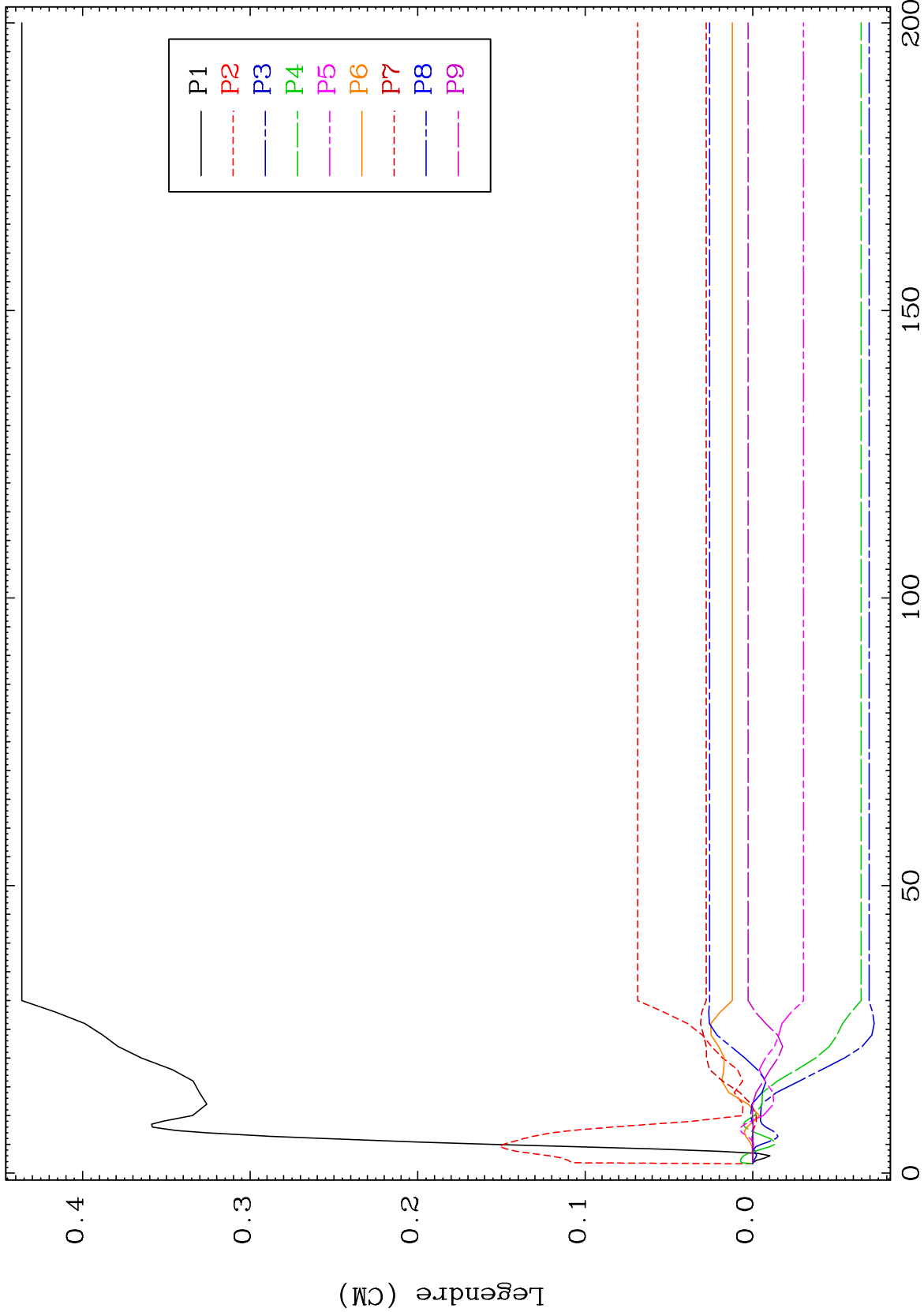
84-Po-199



MAT 8404

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

84-Po-199



37

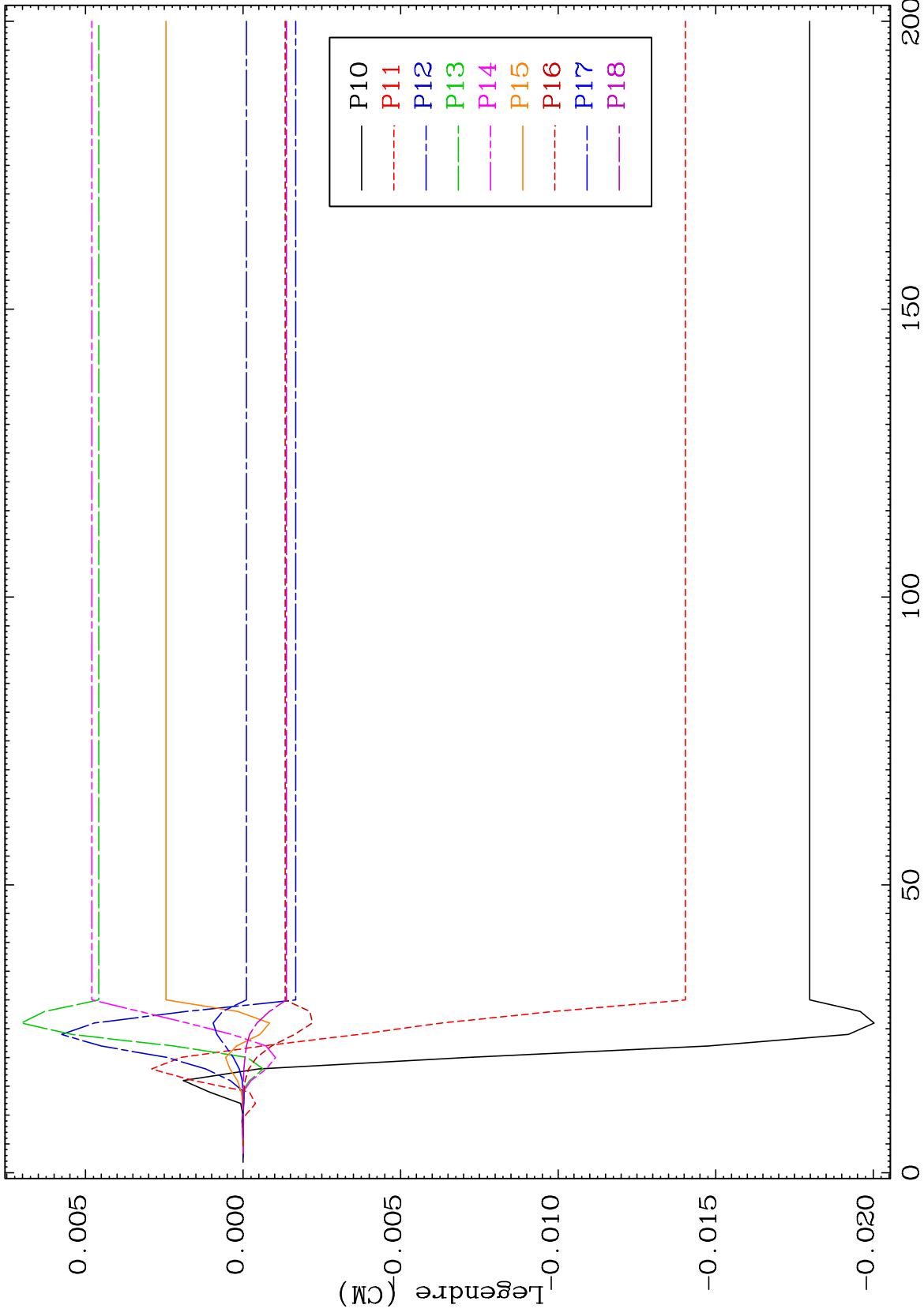
Incident Energy (MeV)

84-Po-199

MAT 8404

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

84-Po-199



38

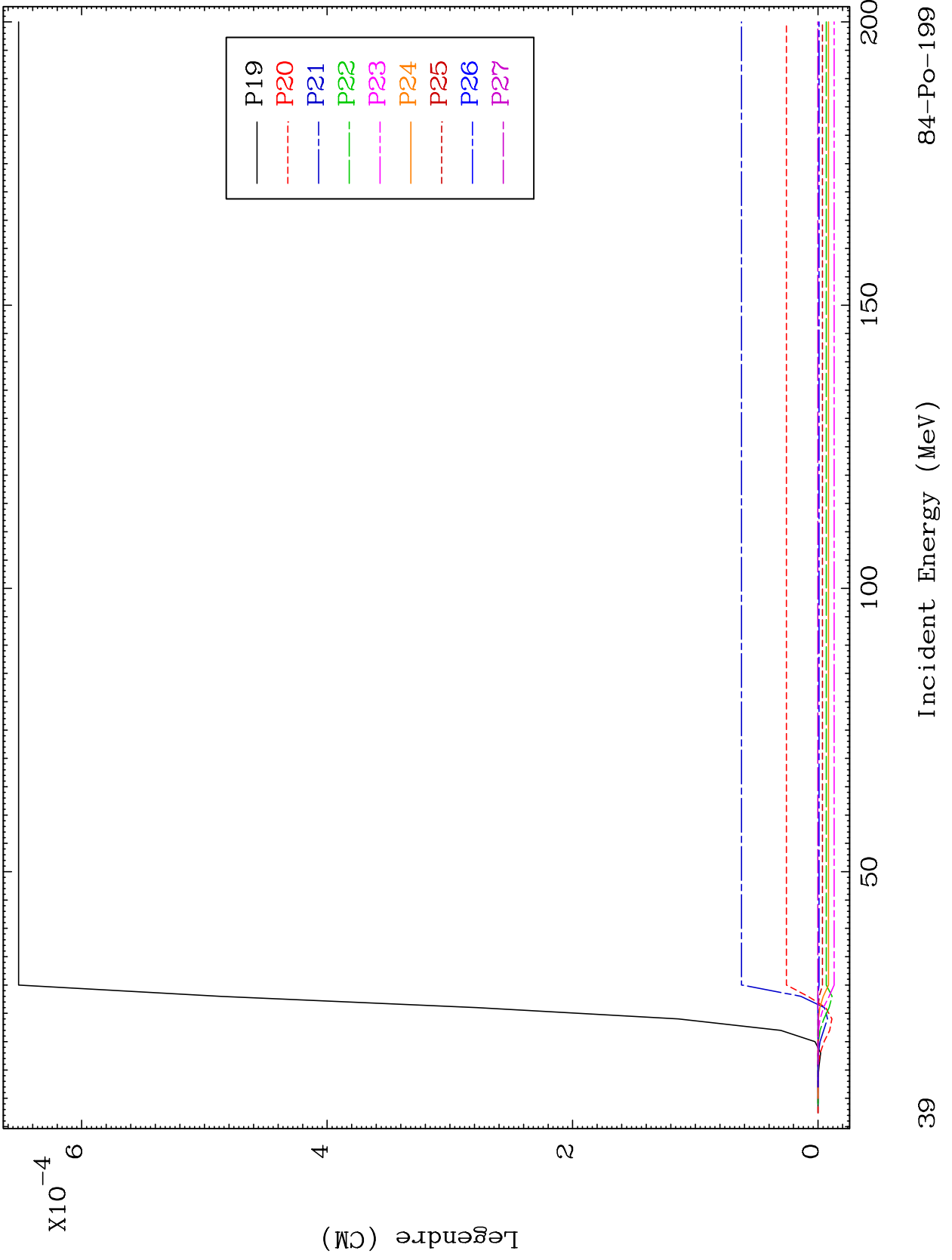
Incident Energy (MeV)

84-Po-199

MAT 8404

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

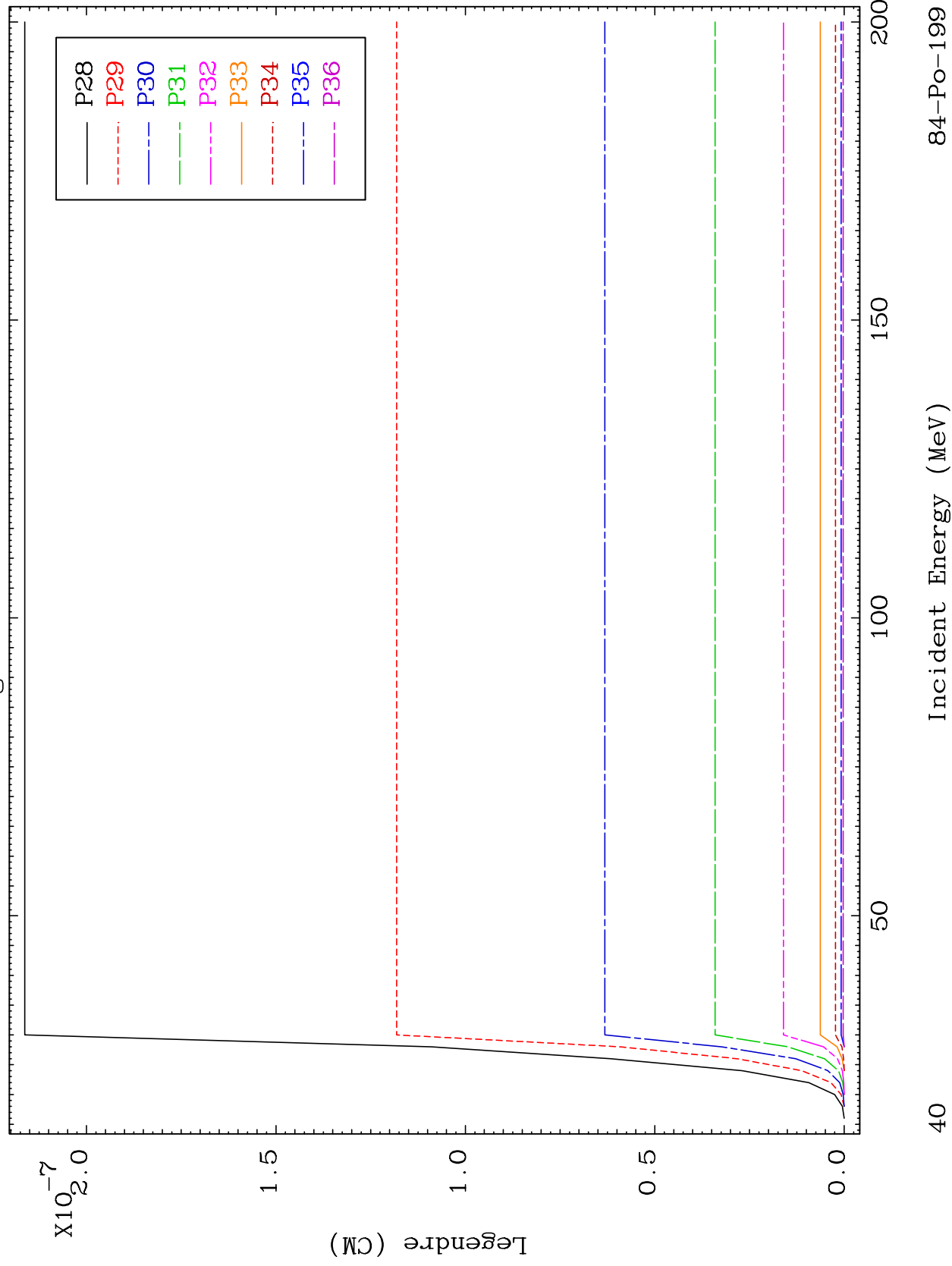
84-Po-199



MAT 8404

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

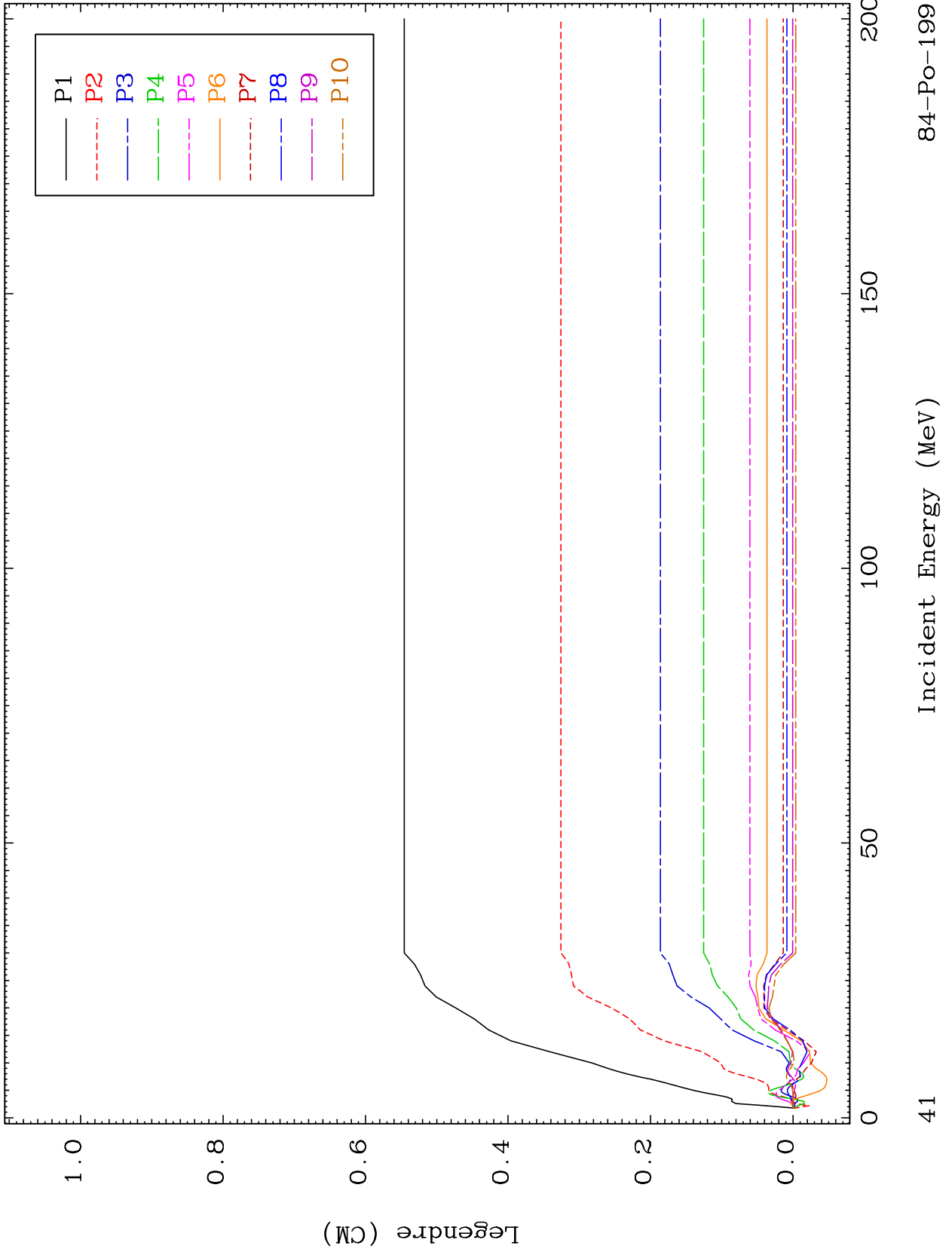
84-Po-199



MAT 8404

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

84-Po-199



41

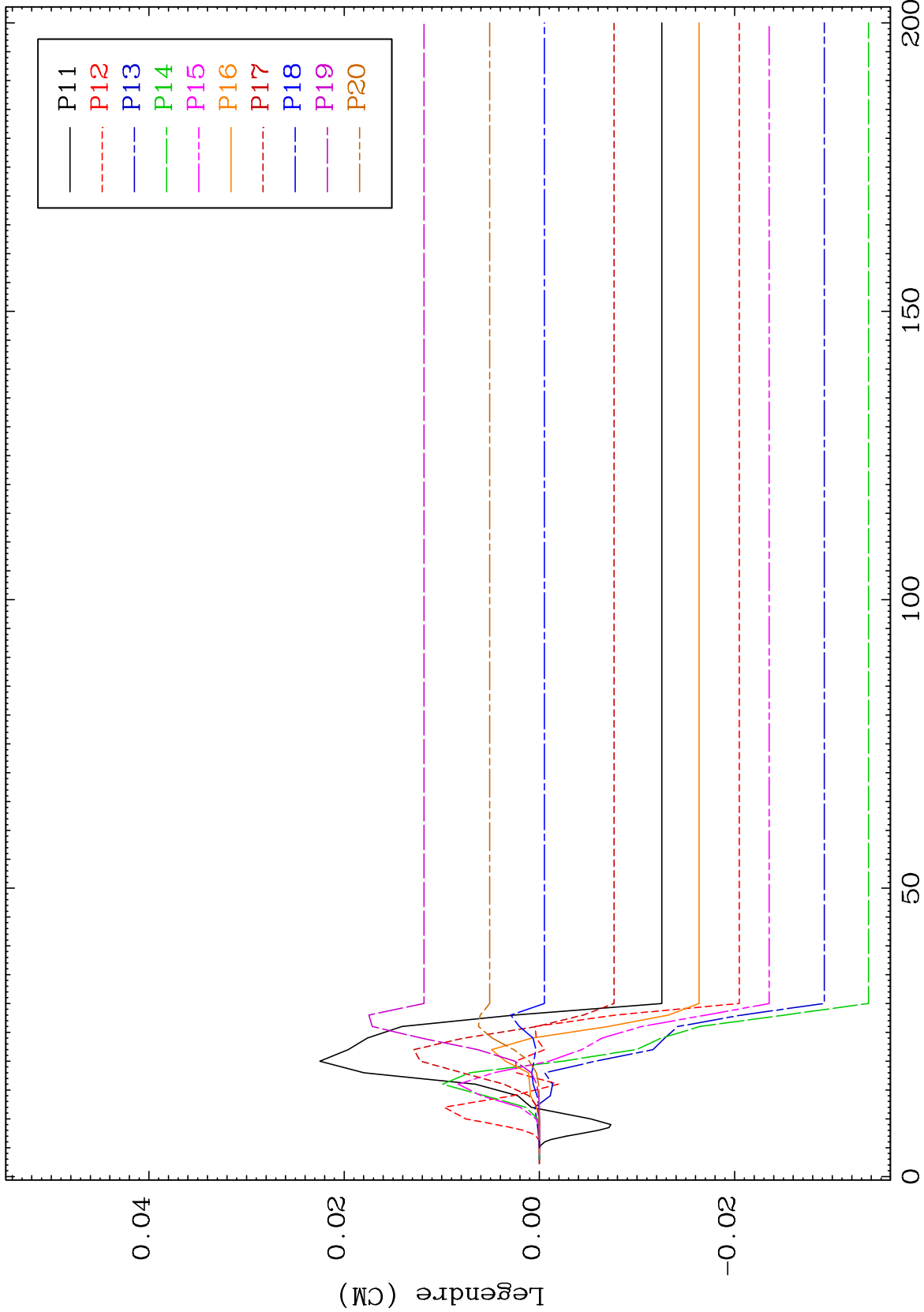
Incident Energy (MeV)

84-Po-199

MAT 8404

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

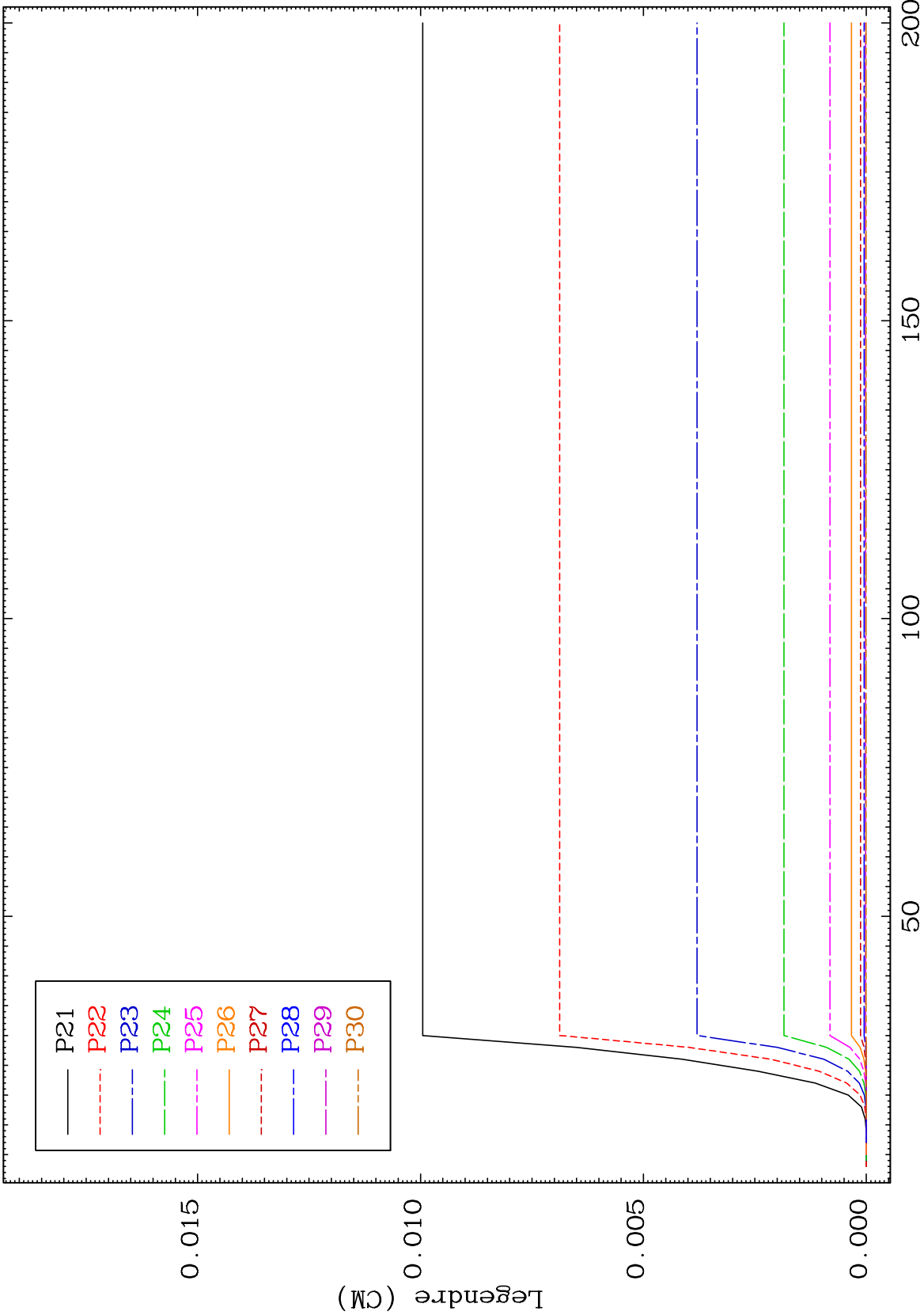
84-Po-199



MAT 8404

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

84-Po-199



43

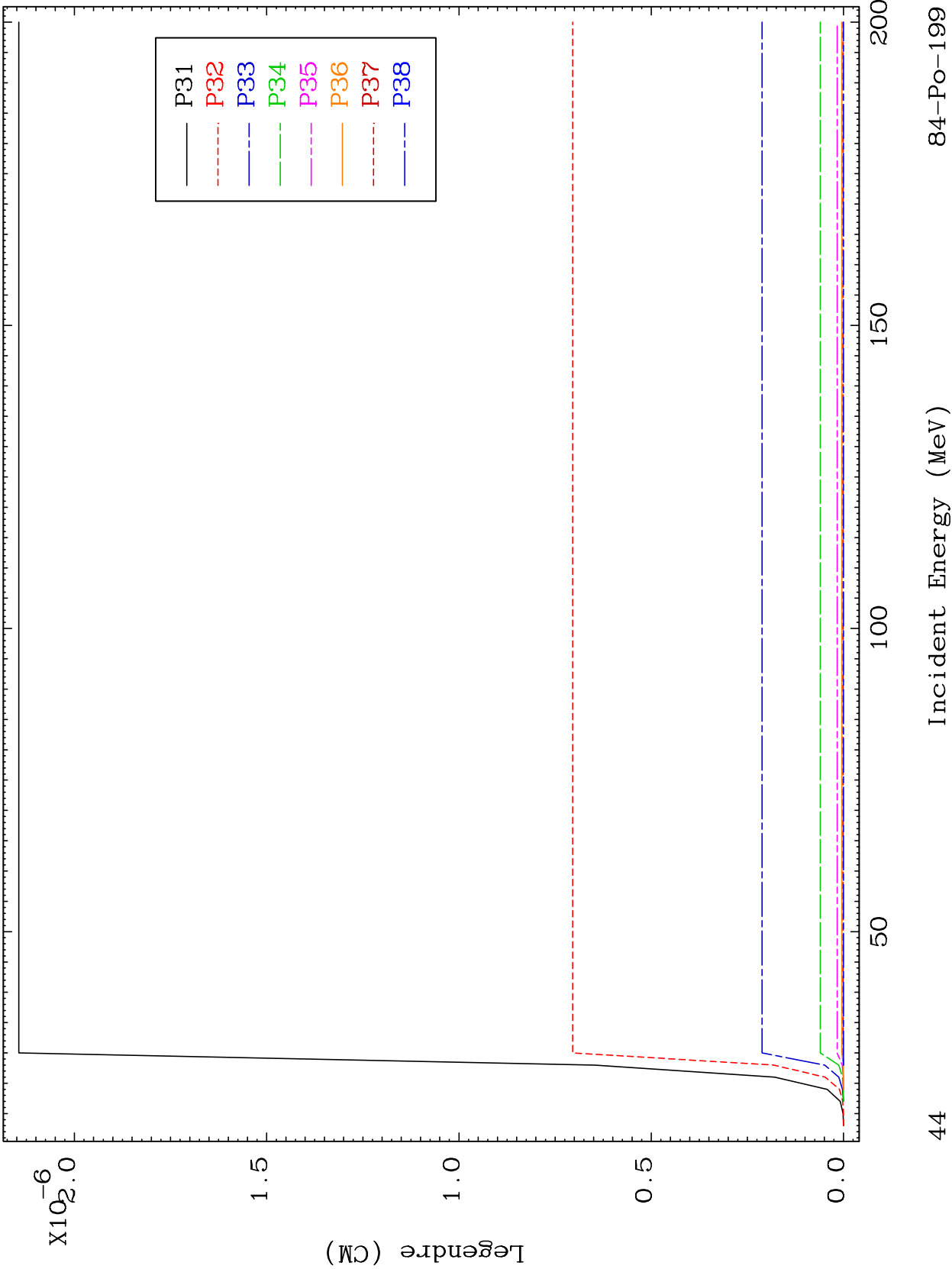
Incident Energy (MeV)

84-Po-199

MAT 8404

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

84-Po-199



44

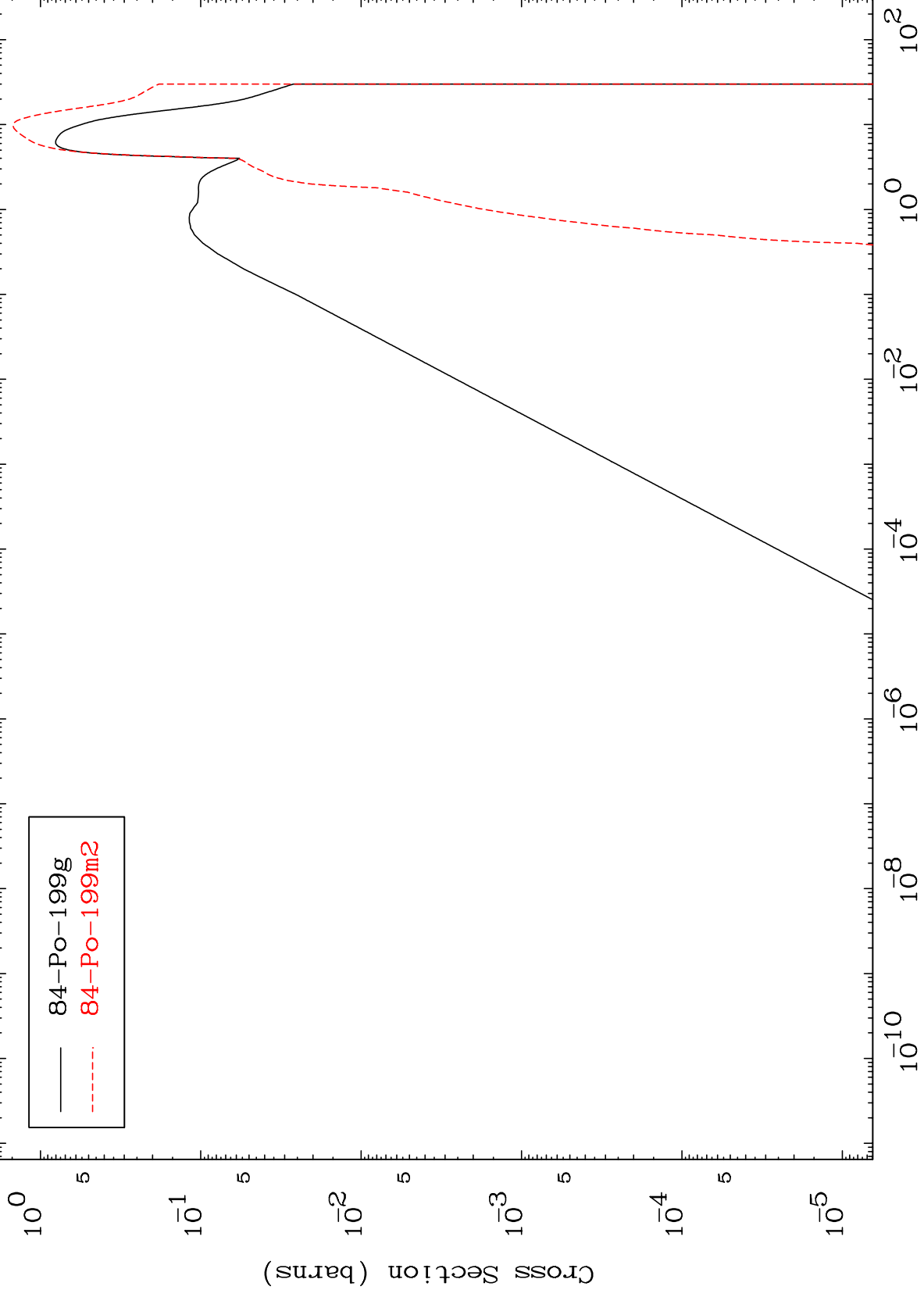
Incident Energy (MeV)

84-Po-199

MAT 8404

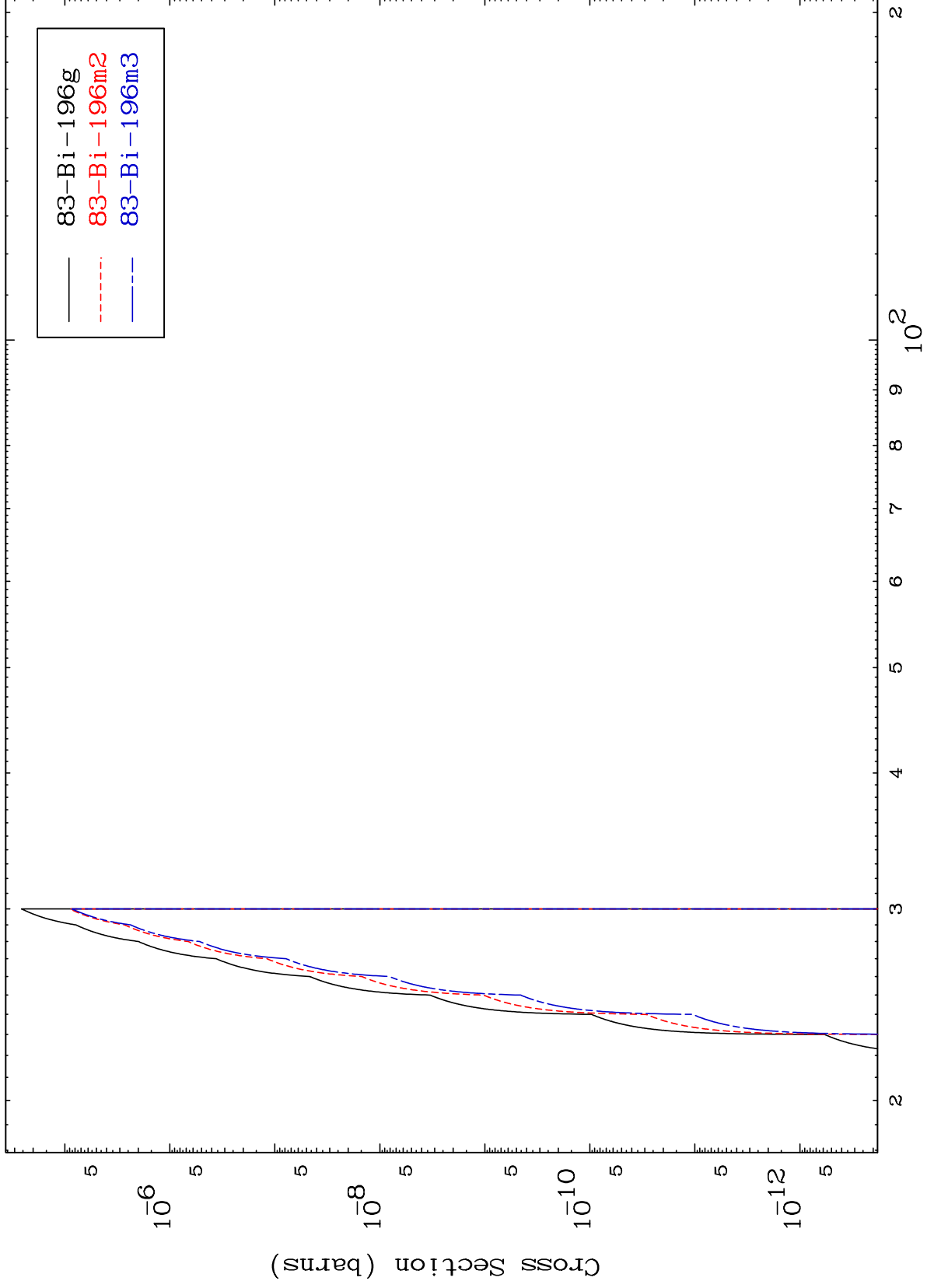
Inelastic
Radionuclide Production Cross Section

84-Po-199

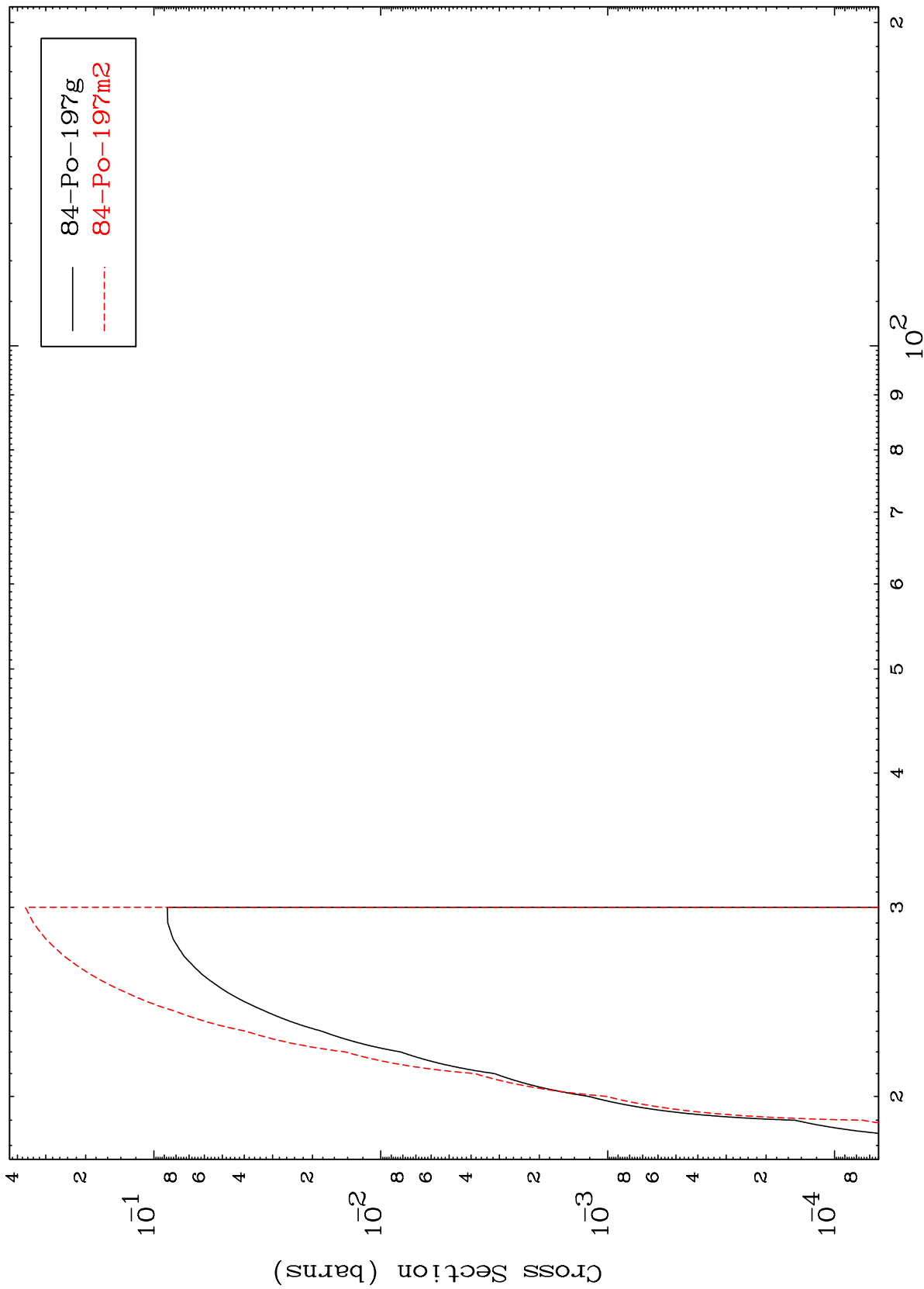


84-Po-199g
84-Po-199m2

Radionuclide Production Cross Section



(n,3n)
Radionuclide Production Cross Section

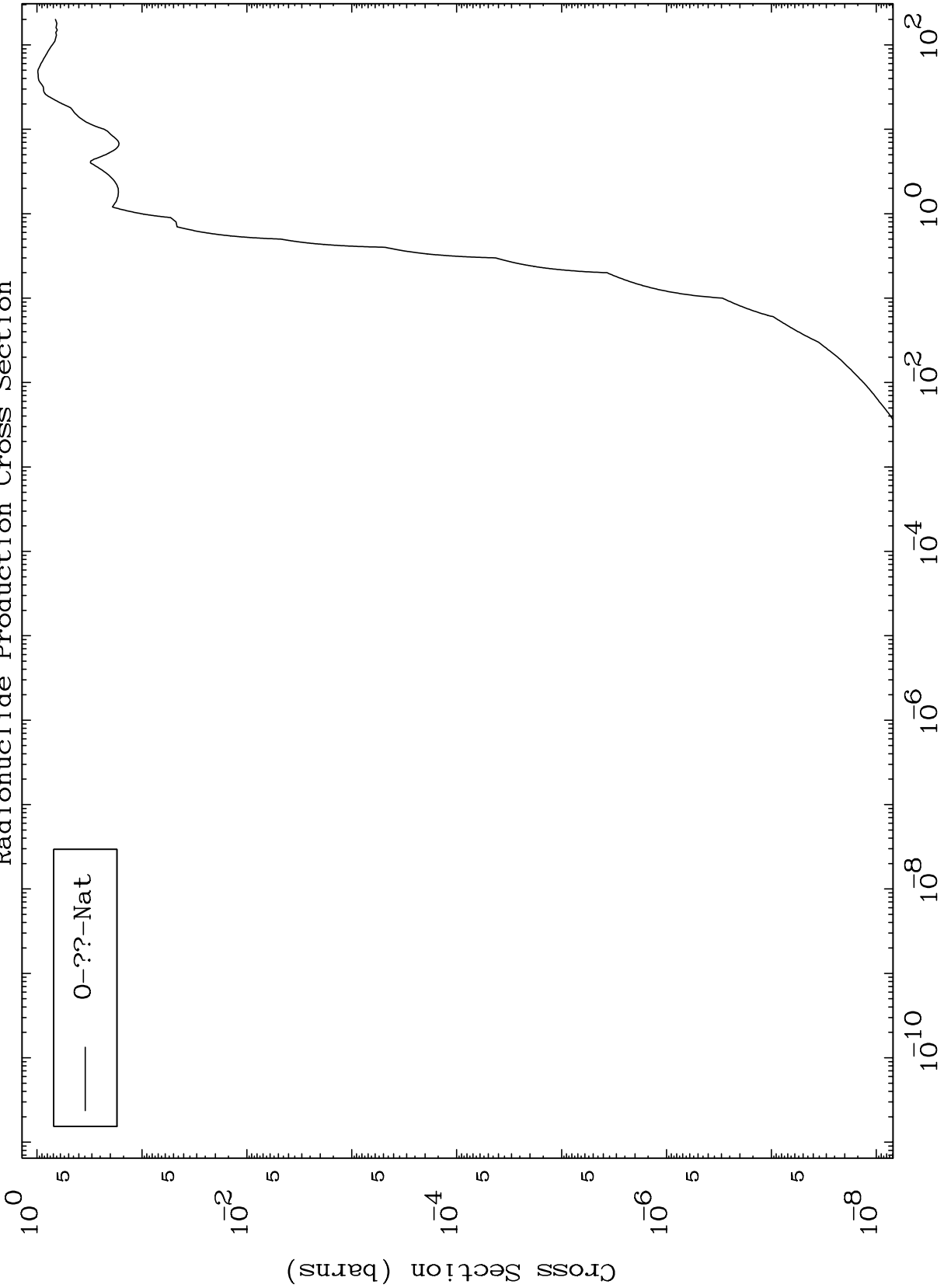


MAT 8404

Fission

84-Po-199

Radionuclide Production Cross Section



48

Incident Energy (MeV)

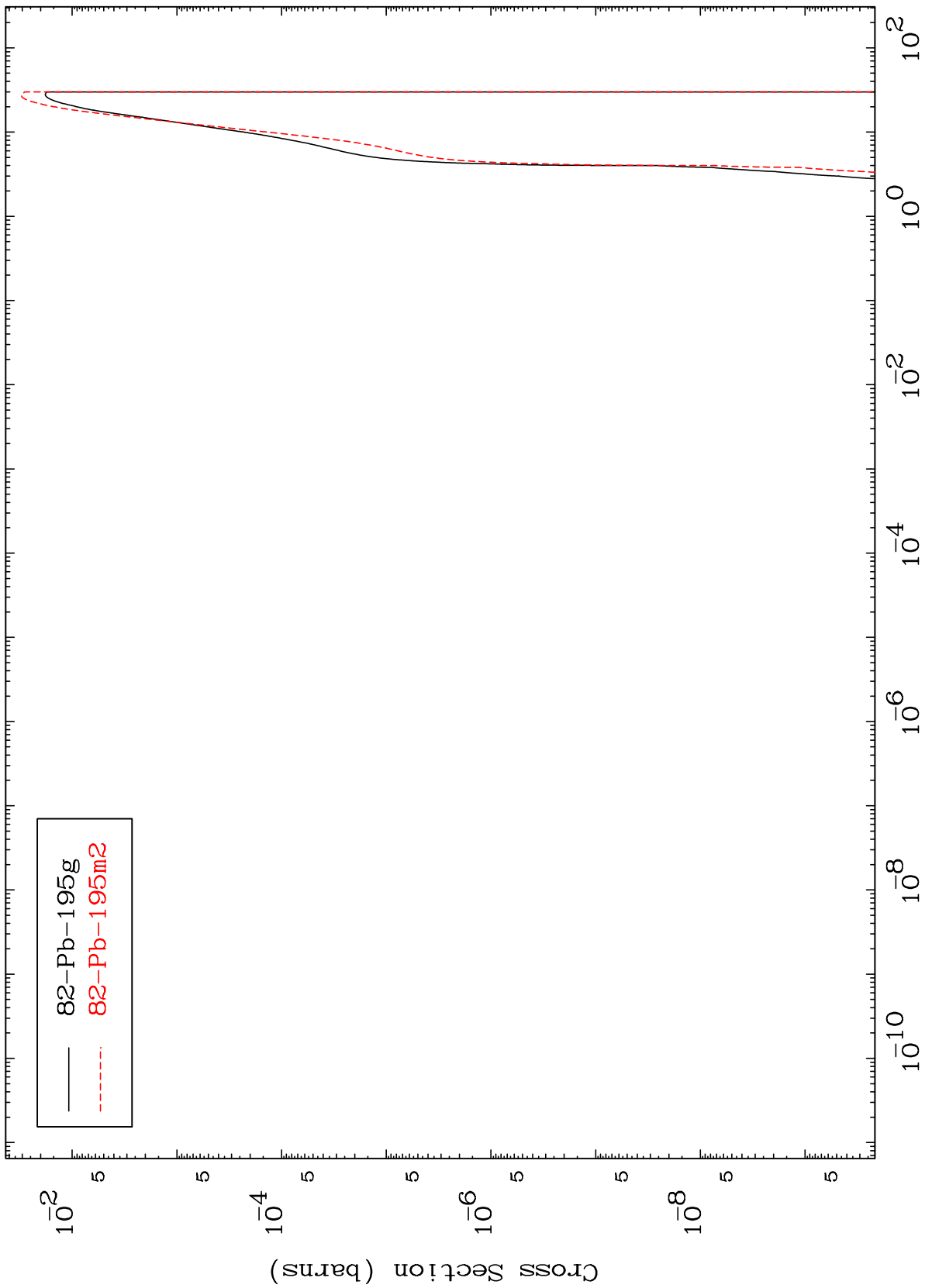
84-Po-199

MAT 8404

$(n, n') \alpha$

84-Po-199

Radionuclide Production Cross Section

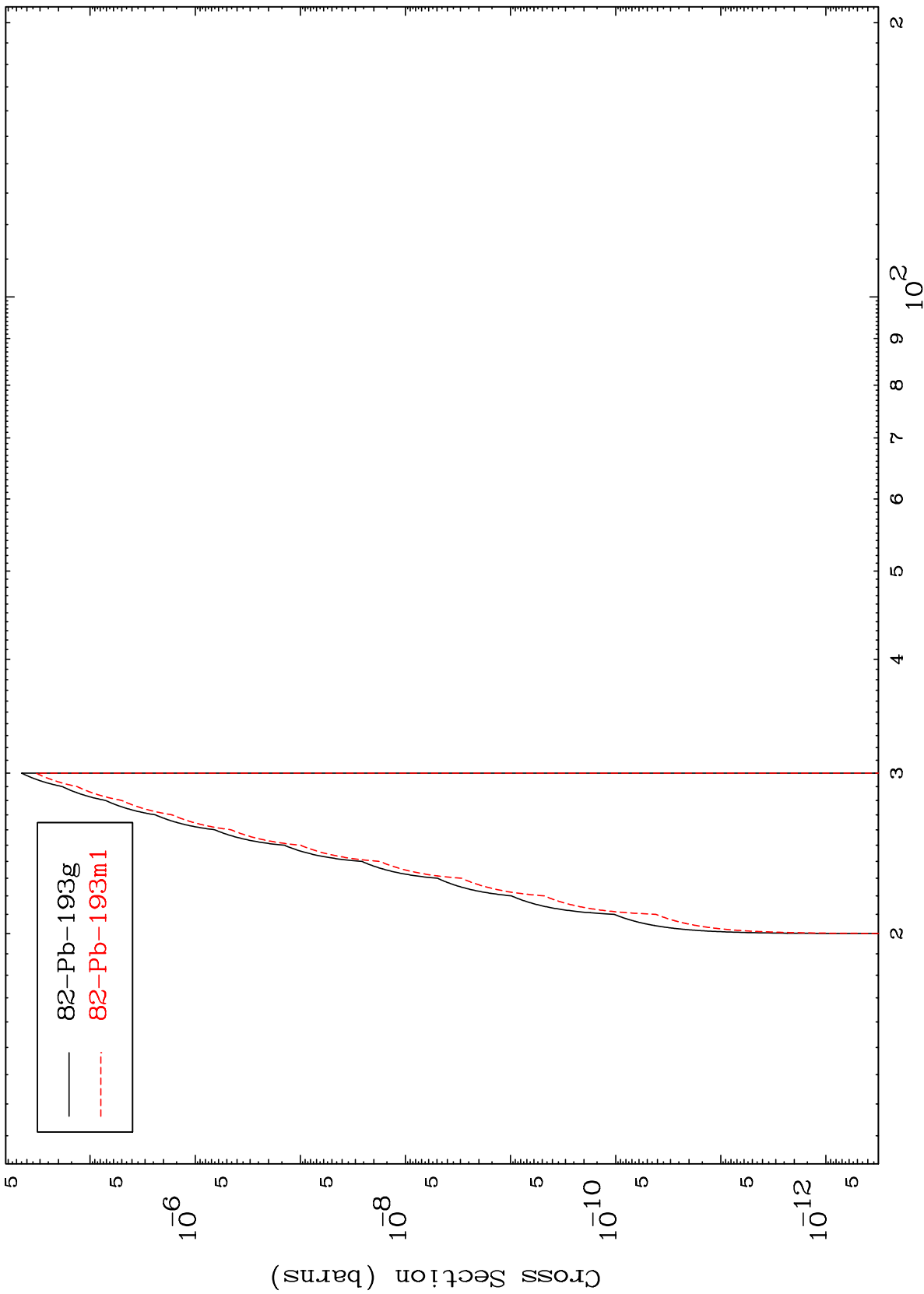


MAT 8404

(n,3n) α

84-Po-199

Radionuclide Production Cross Section



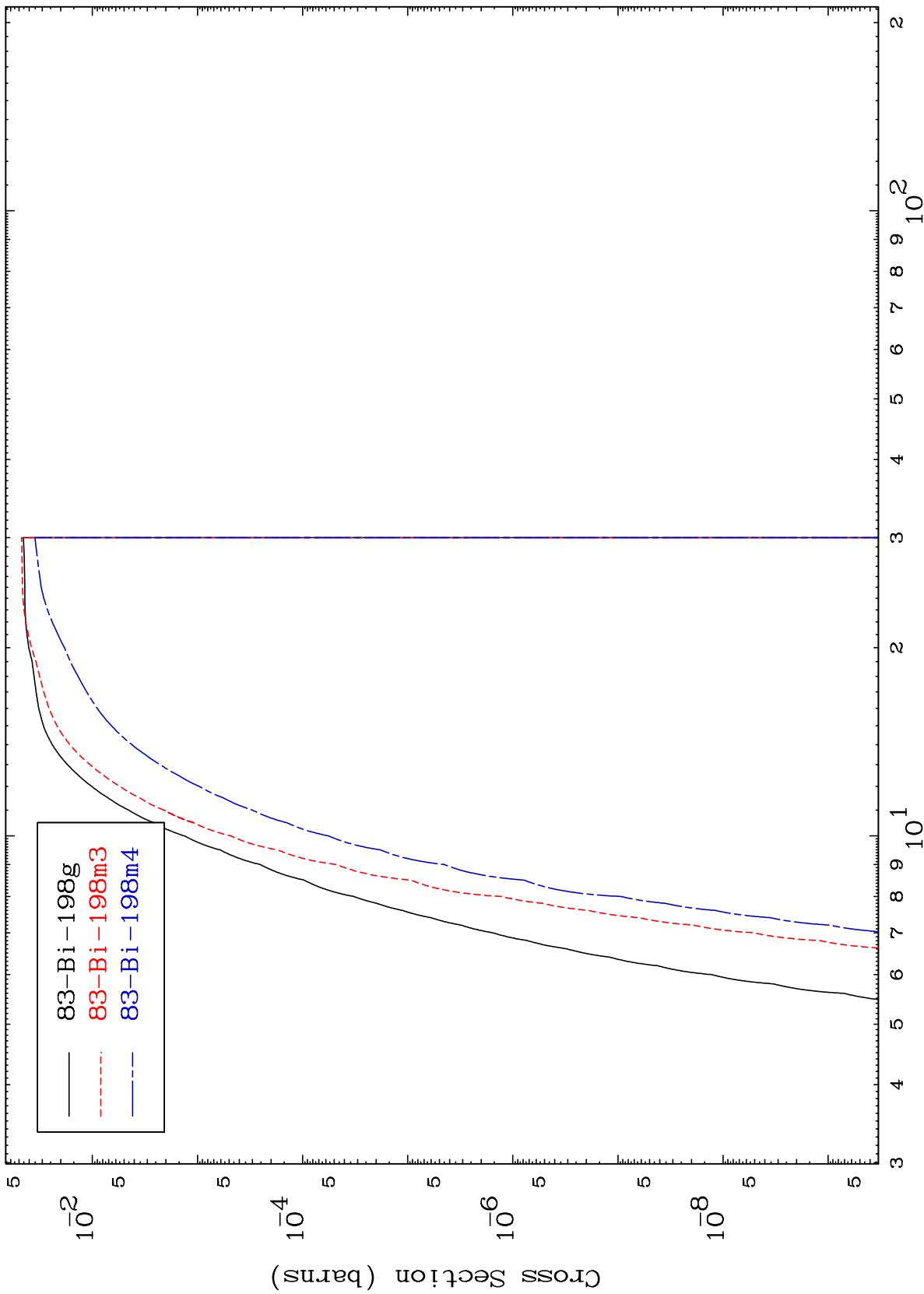
50

Incident Energy (MeV)

84-Po-199

(n,n') p

Radionuclide Production Cross Section



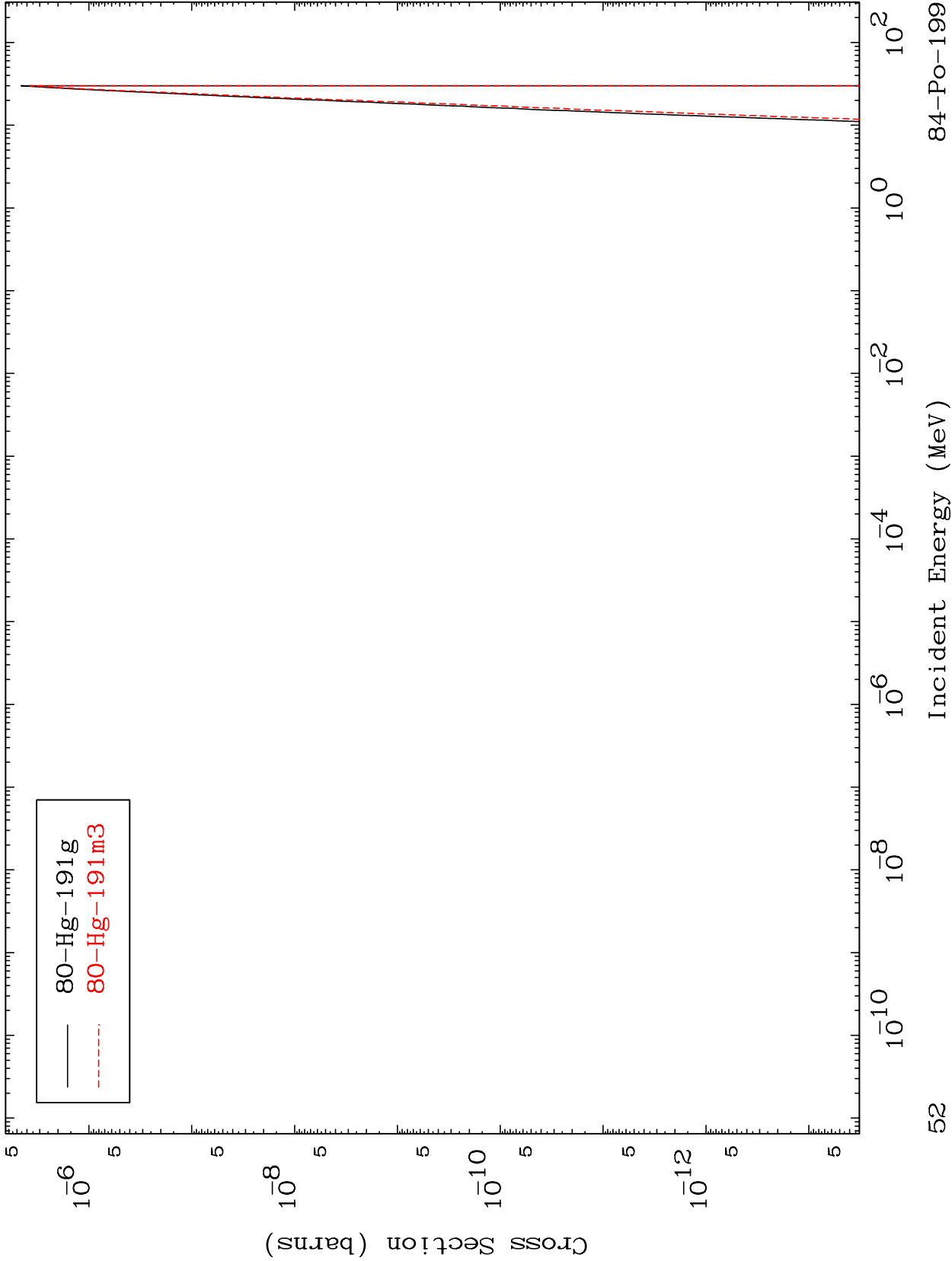
Incident Energy (MeV)

MAT 8404

(n,n') 2α

84-Po-199

Radionuclide Production Cross Section



52

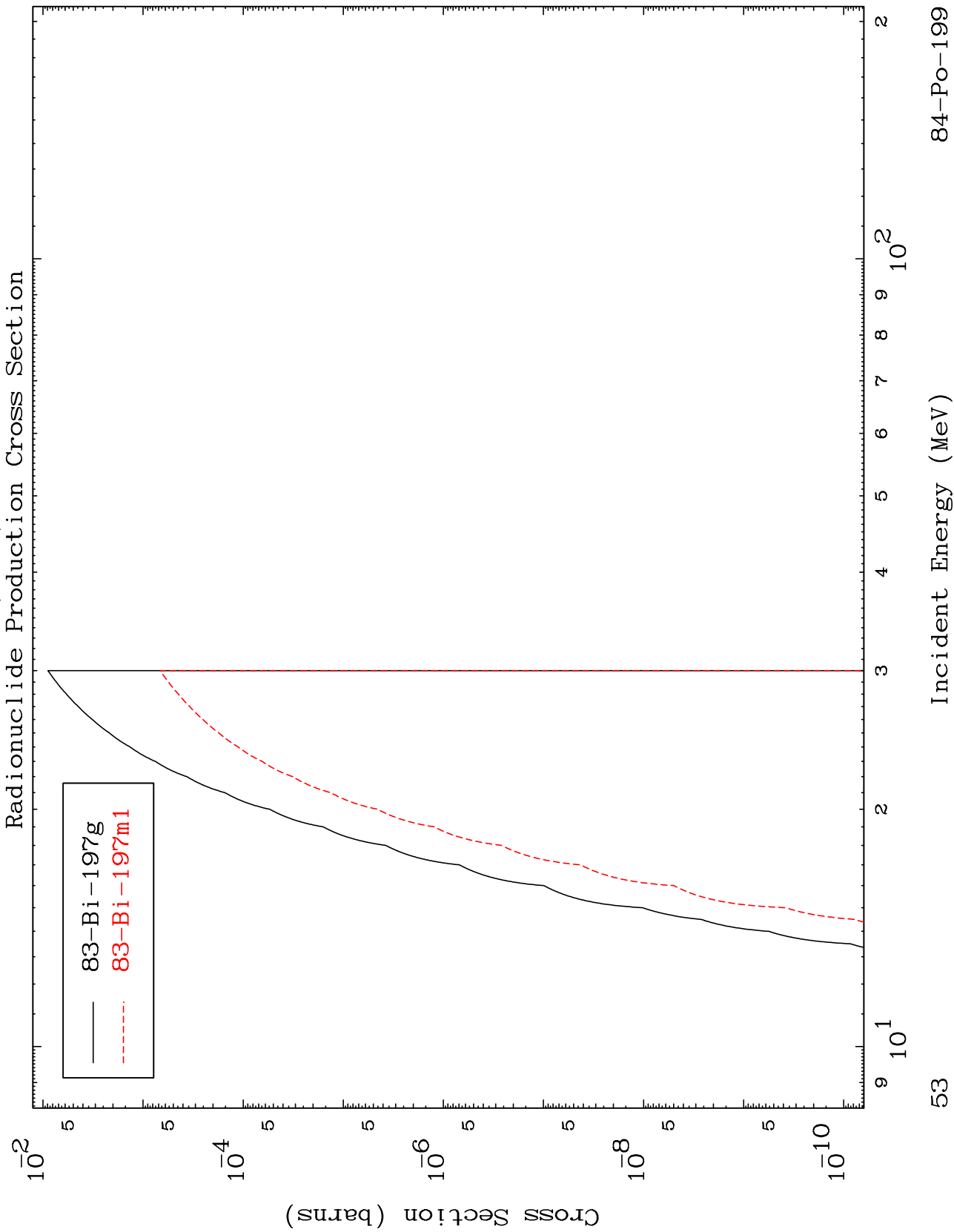
Incident Energy (MeV)

84-Po-199

MAT 8404

(n,n') d

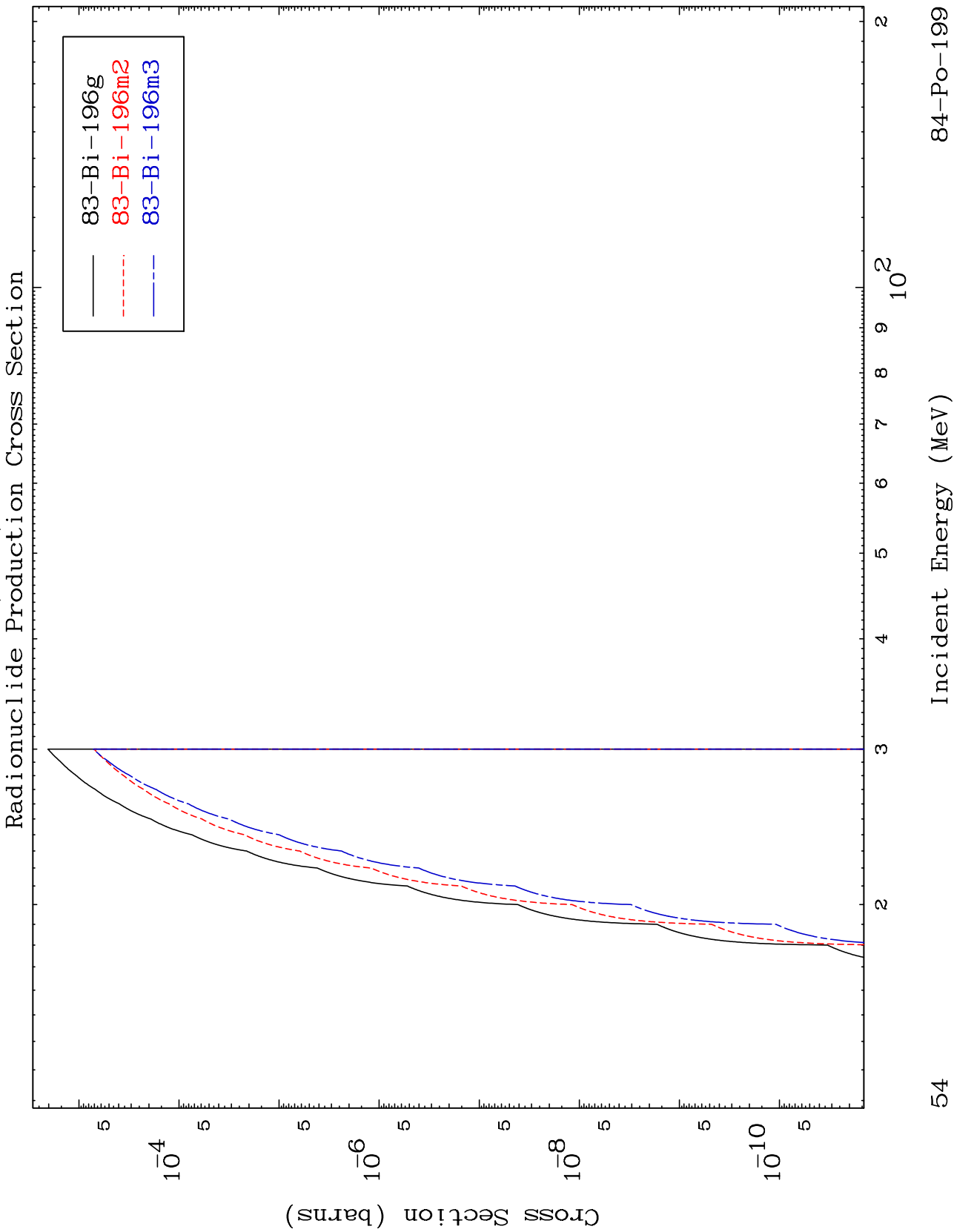
84-Po-199



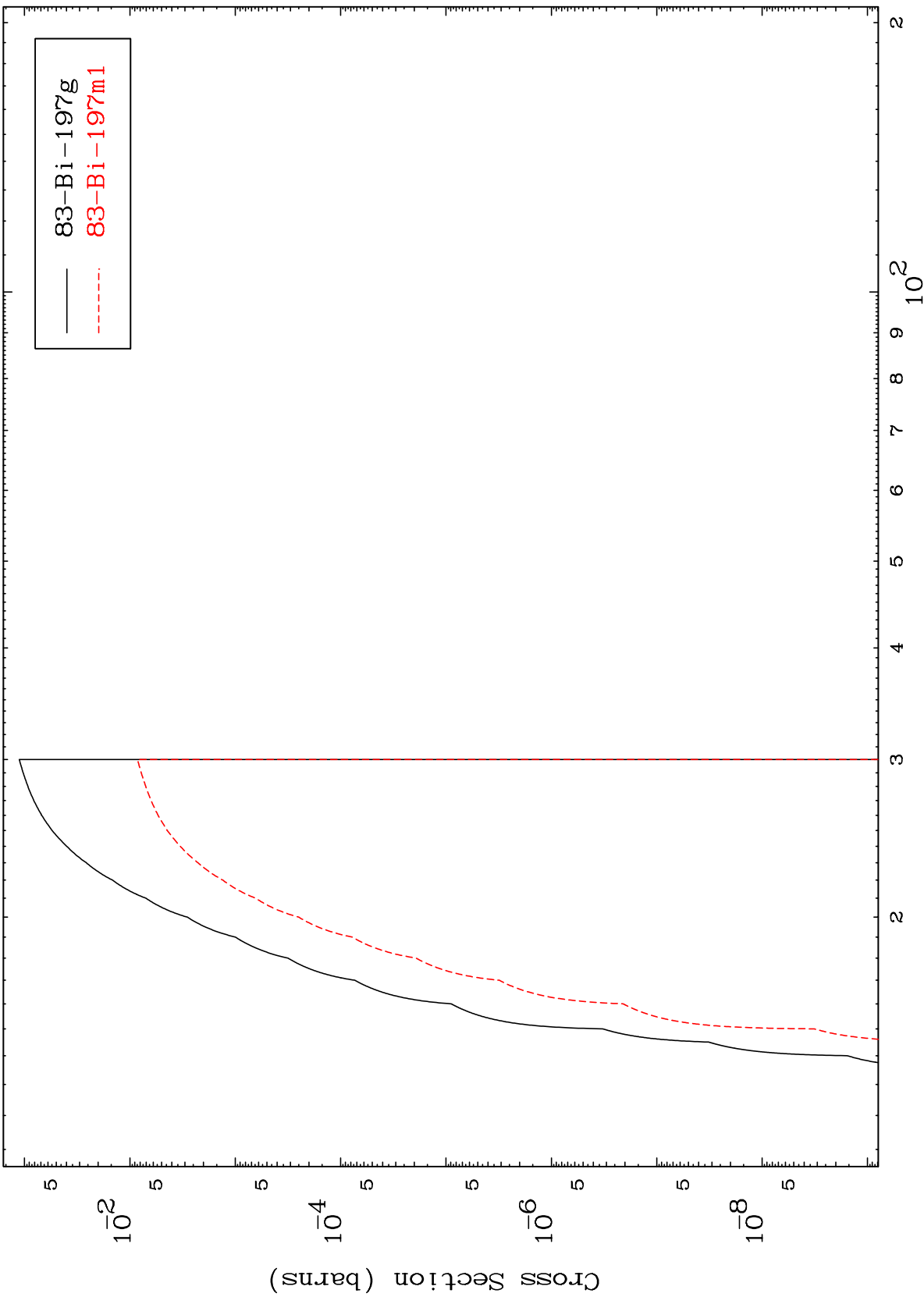
53

Incident Energy (MeV)

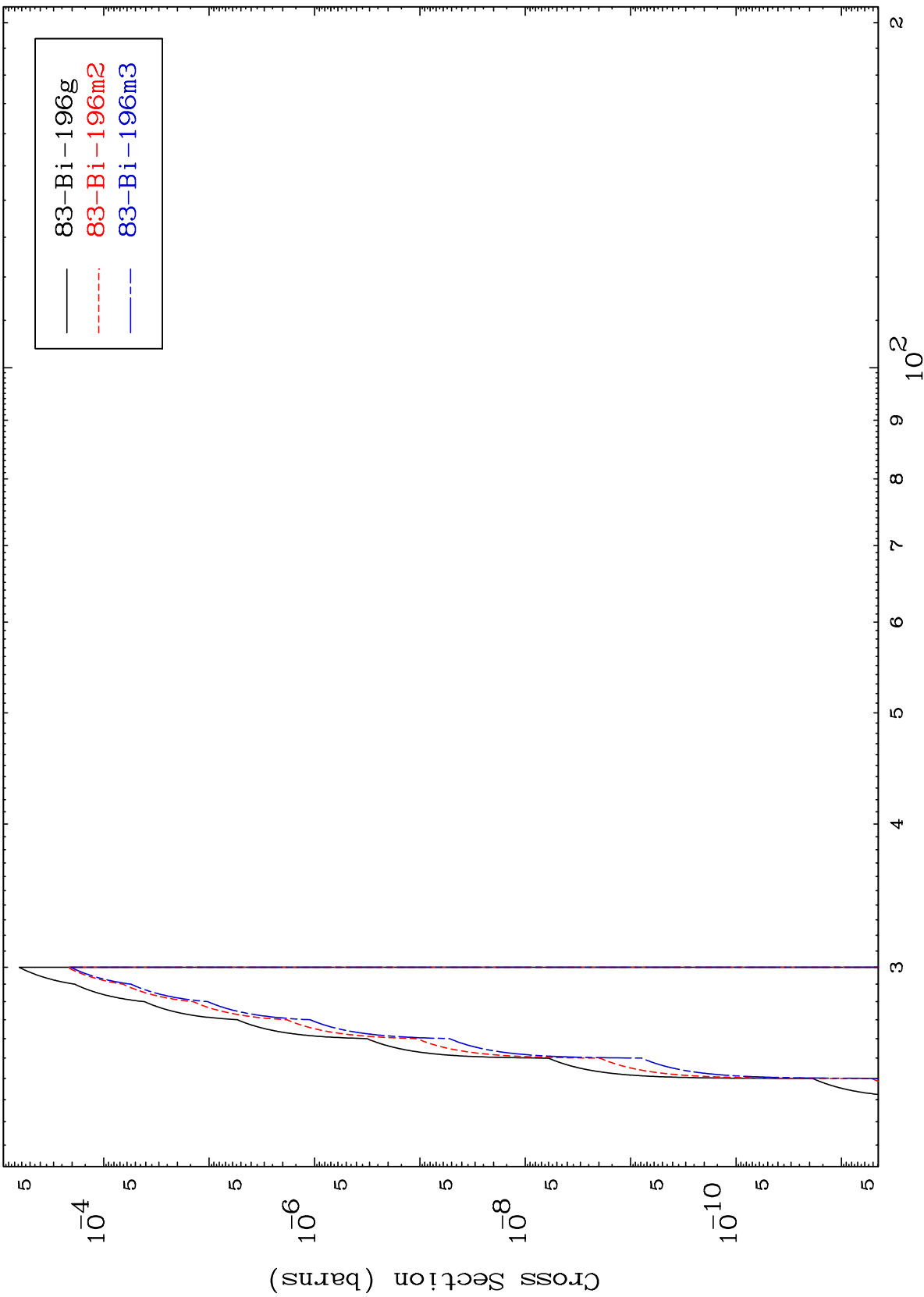
84-Po-199



Radionuclide Production Cross Section



Radionuclide Production Cross Section

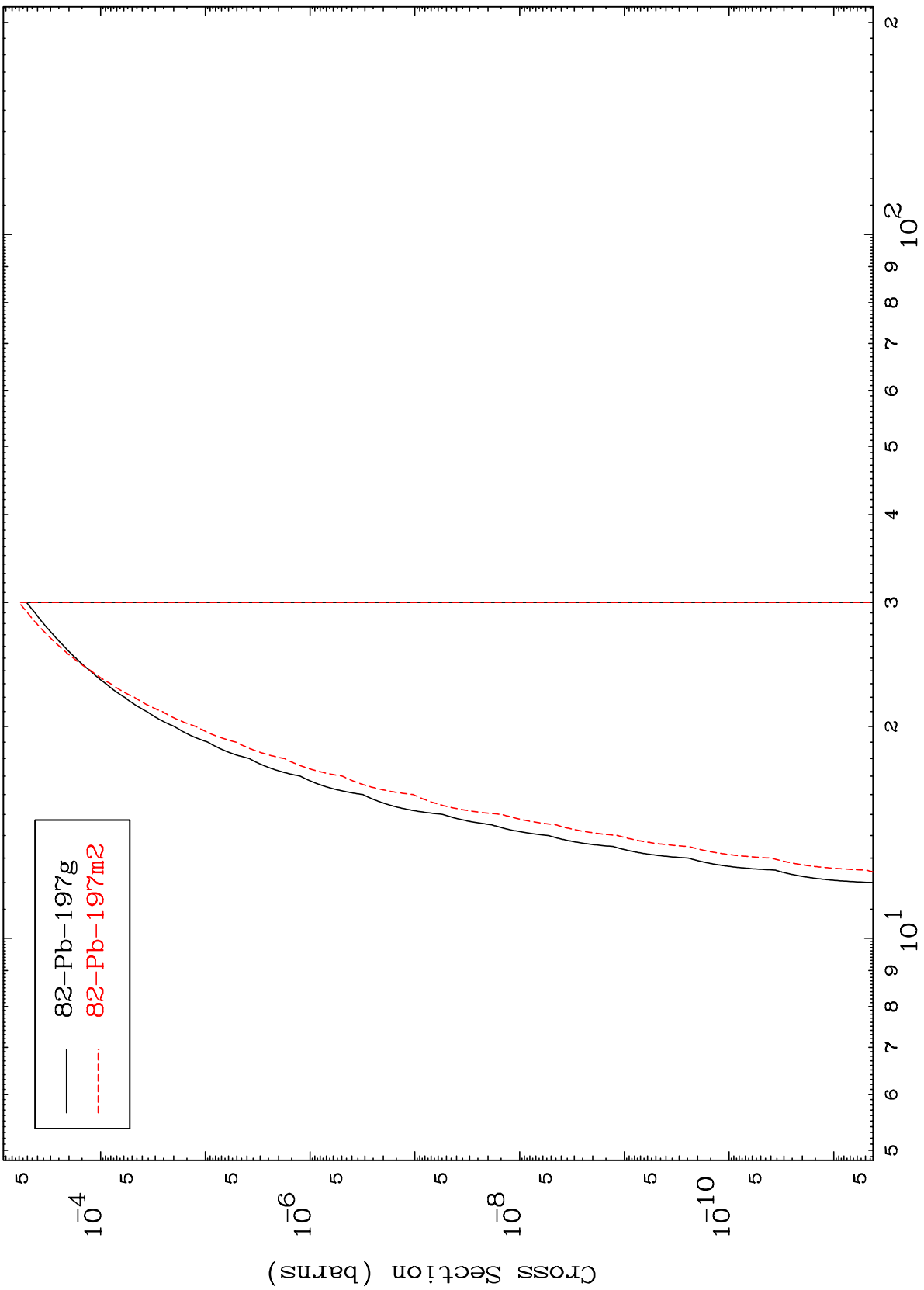


MAT 8404

(n,2n) p

84-Po-199

Radionuclide Production Cross Section



82-Pb-197g
82-Pb-197m2

Incident Energy (MeV)

84-Po-199

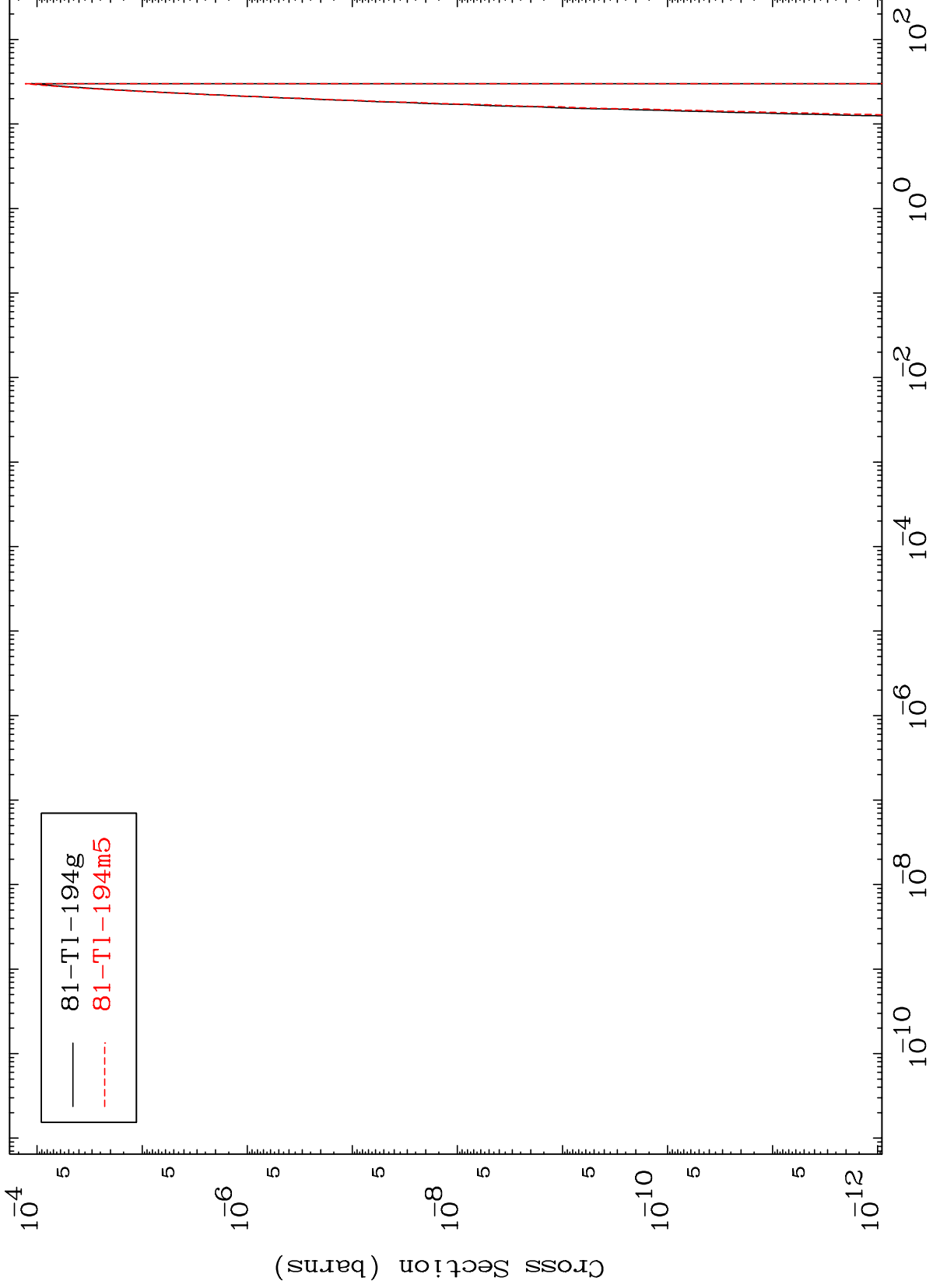
57

MAT 8404

(n,n') p α

84-Po-199

Radionuclide Production Cross Section

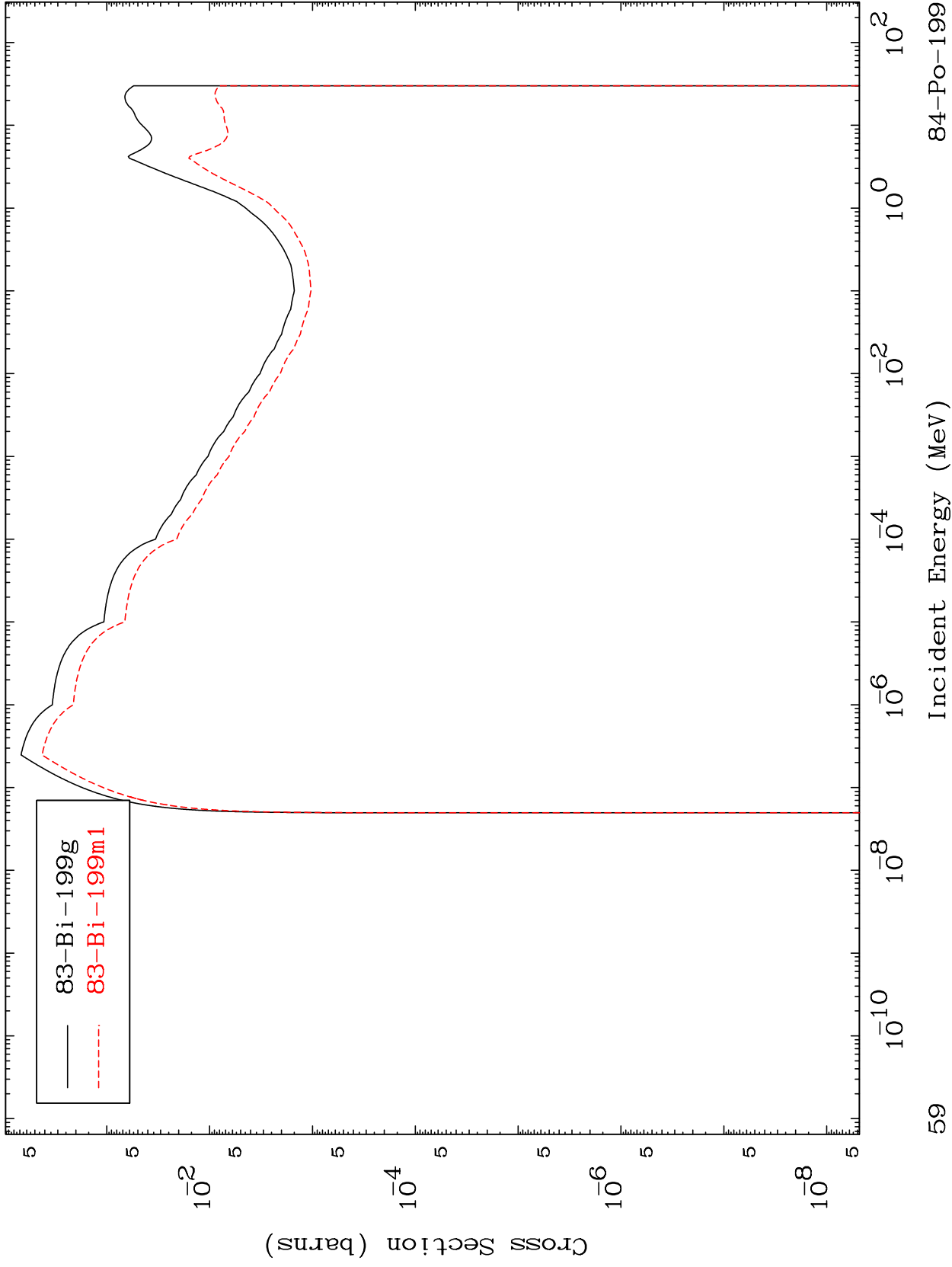


58

Incident Energy (MeV)

84-Po-199

(n,p)
Radionuclide Production Cross Section

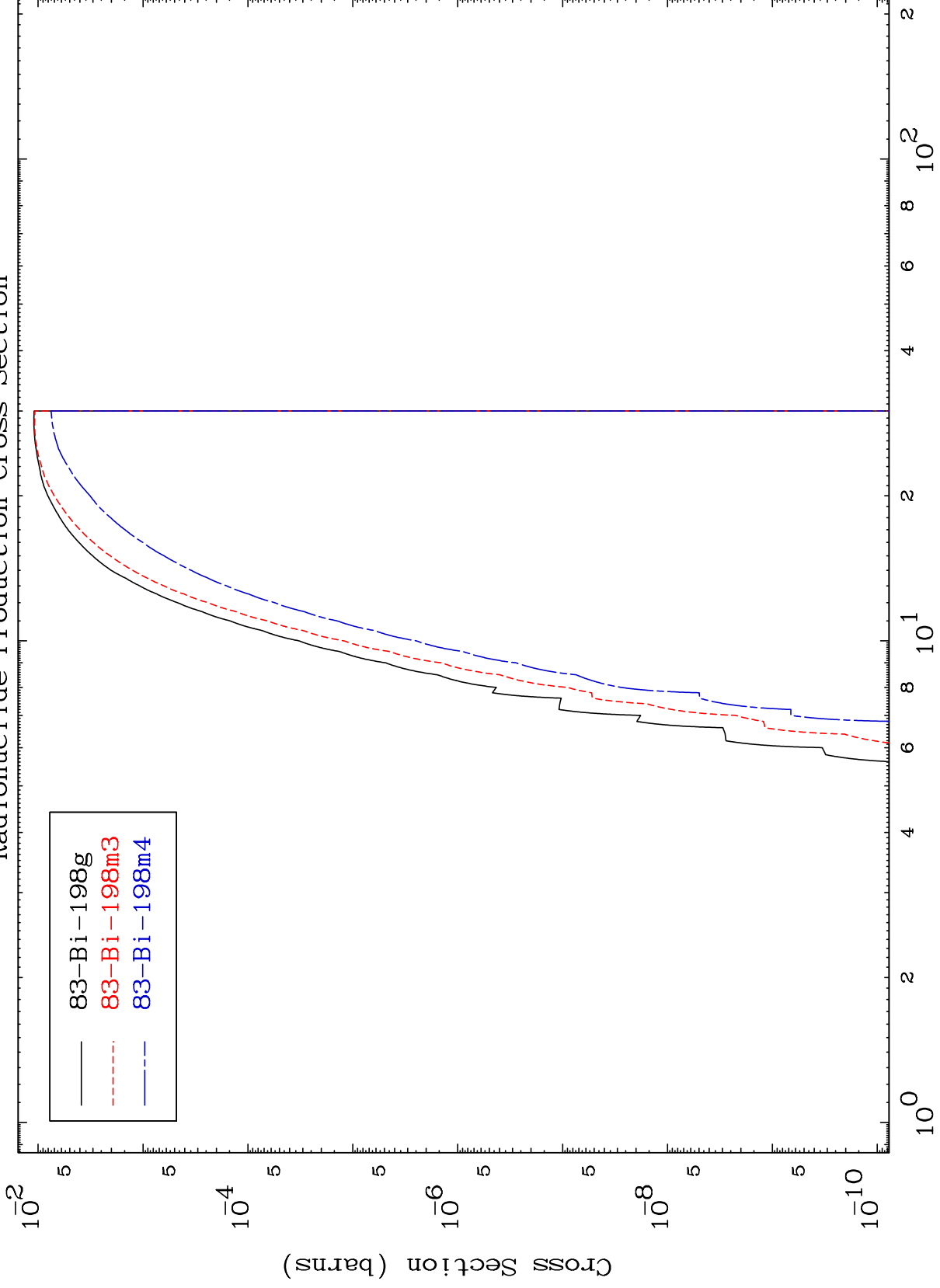


MAT 8404

(n,d)

84-Po-199

Radionuclide Production Cross Section



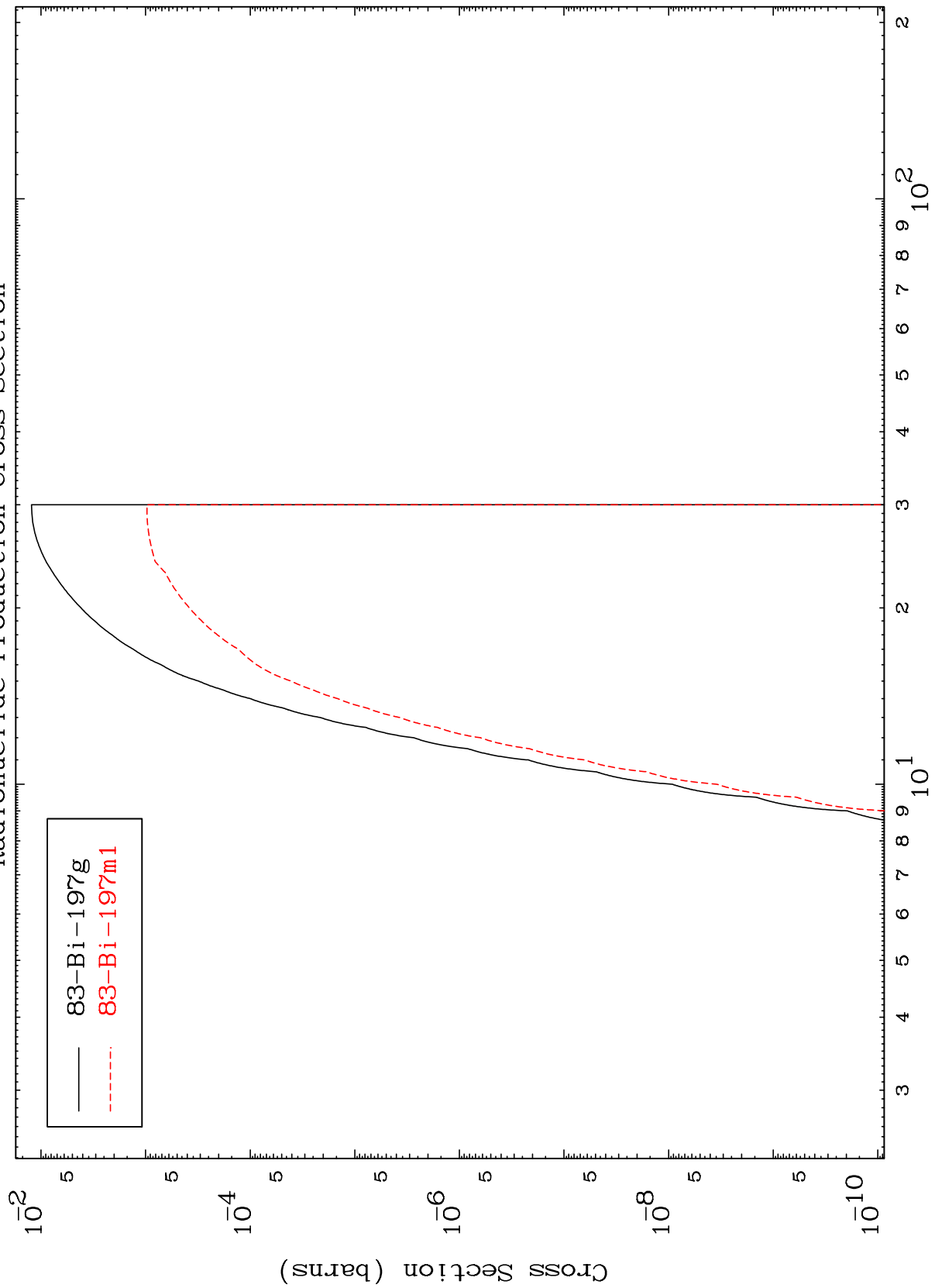
Incident Energy (MeV)

84-Po-199

MAT 8404

84-Po-199

(n, t)
Radionuclide Production Cross Section



— 83-Bi-197g
- - - 83-Bi-197m1

84-Po-199

Incident Energy (MeV)

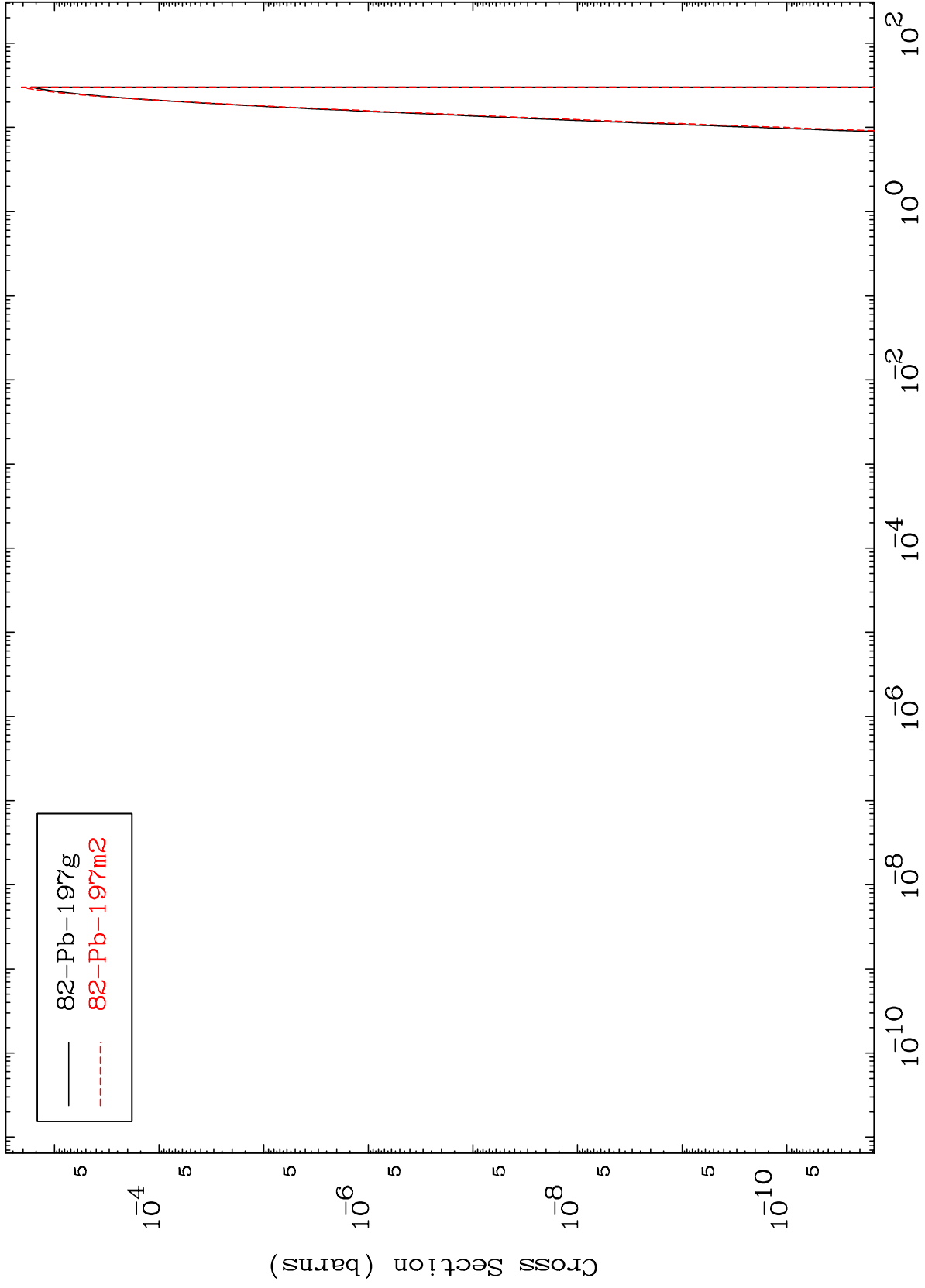
61

MAT 8404

(n,He-3)

84-Po-199

Radionuclide Production Cross Section



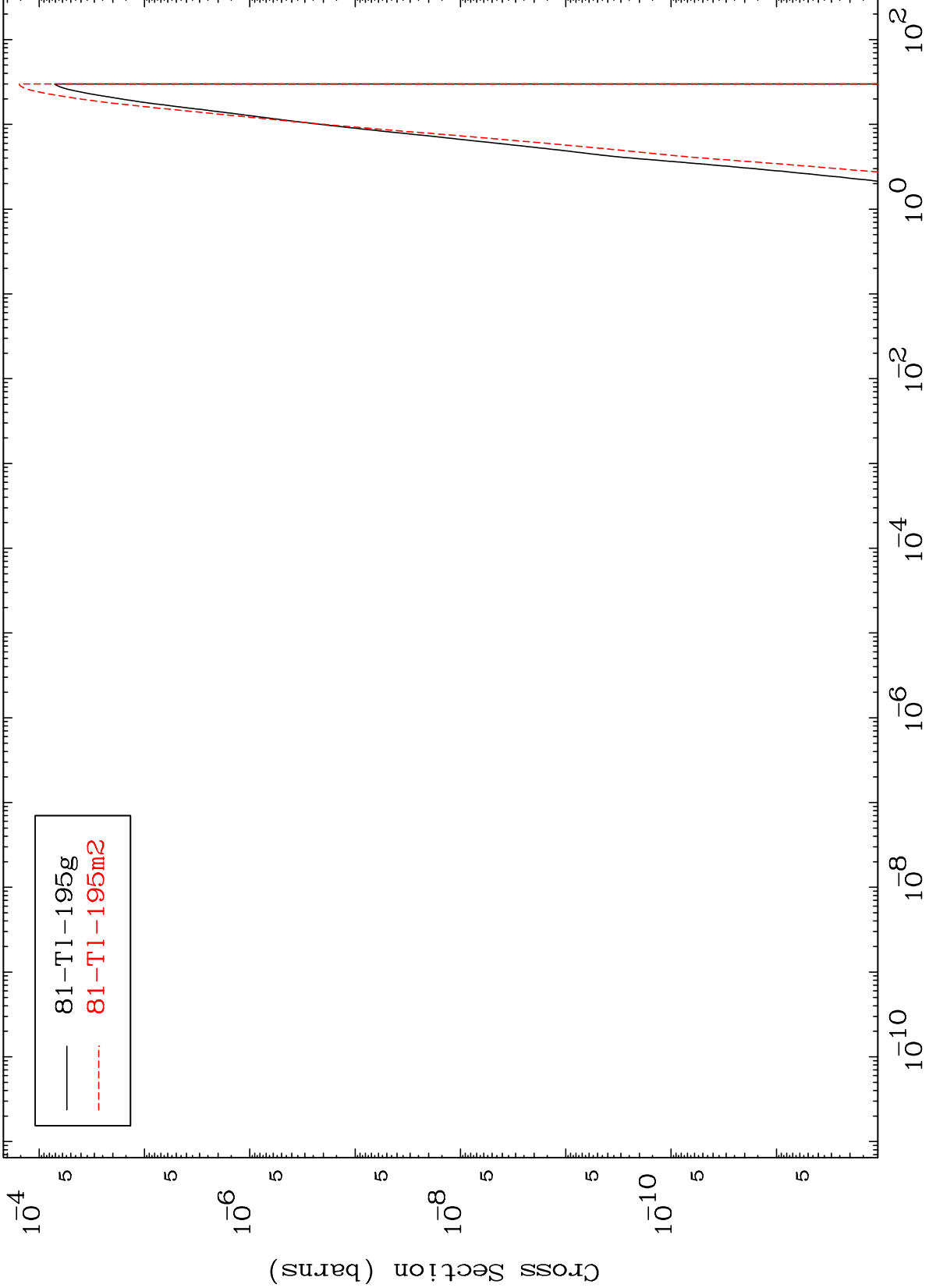
82-Pb-197g
82-Pb-197m2

MAT 8404

(n,p) α

84-Po-199

Radionuclide Production Cross Section



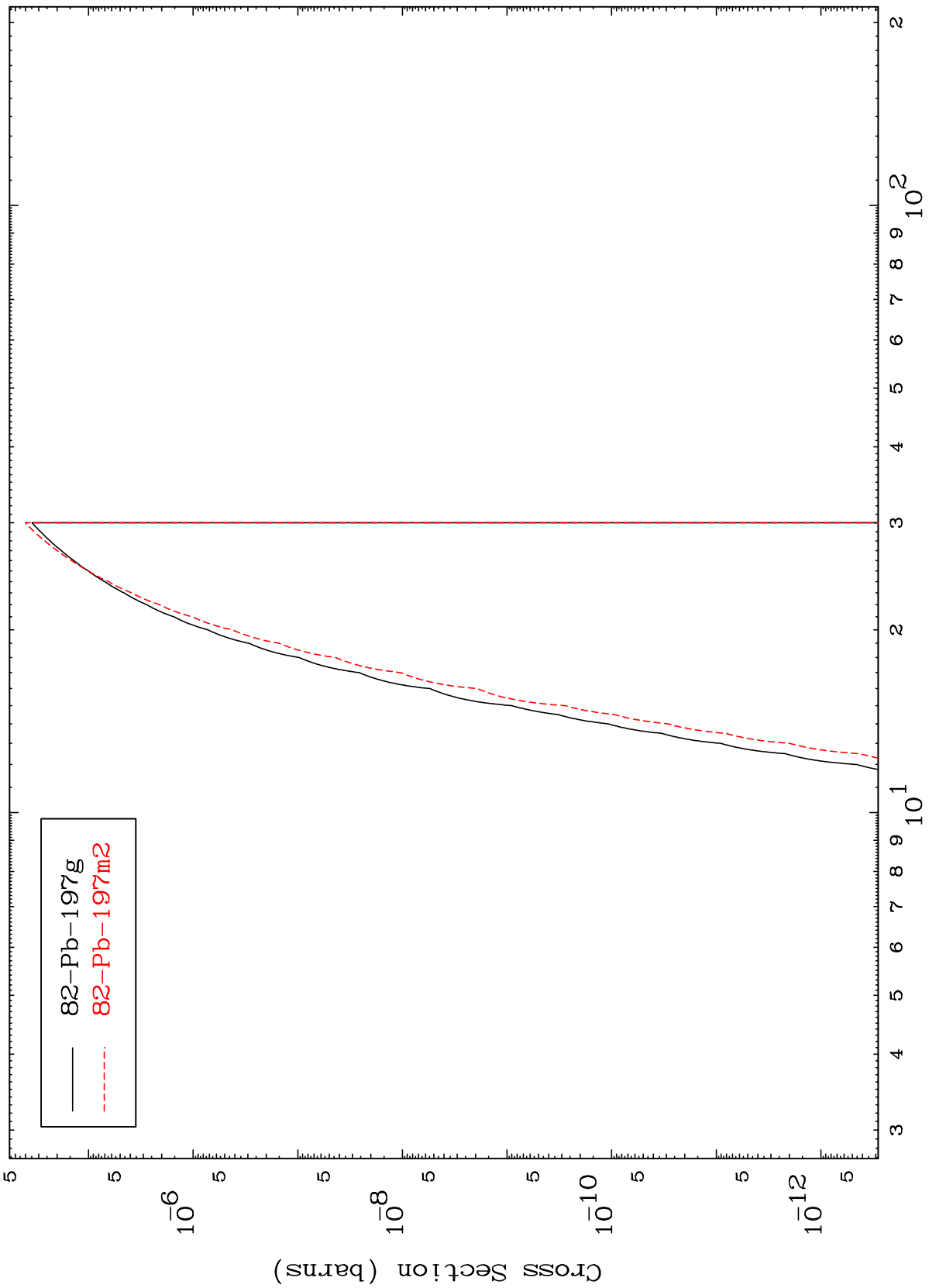
81-Tl-195g
81-Tl-195m2

MAT 8404

(n,p) d

84-Po-199

Radionuclide Production Cross Section



82-Pb-197g
82-Pb-197m2

64

Incident Energy (MeV)

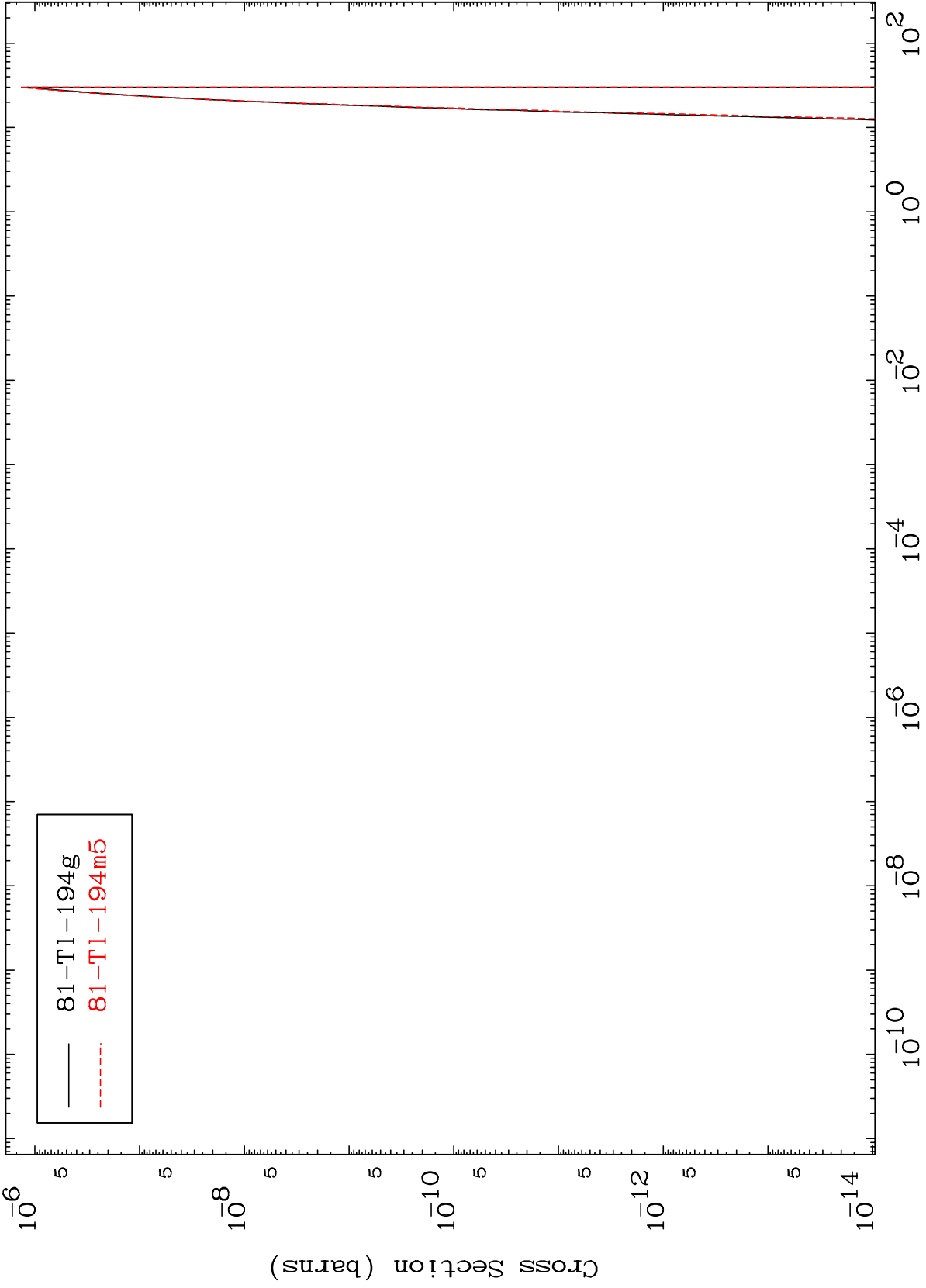
84-Po-199

MAT 8404

(n,d) α

84-Po-199

Radionuclide Production Cross Section



65

Incident Energy (MeV)

84-Po-199