

Program EVALPLOT
(Version 2015-2)

by

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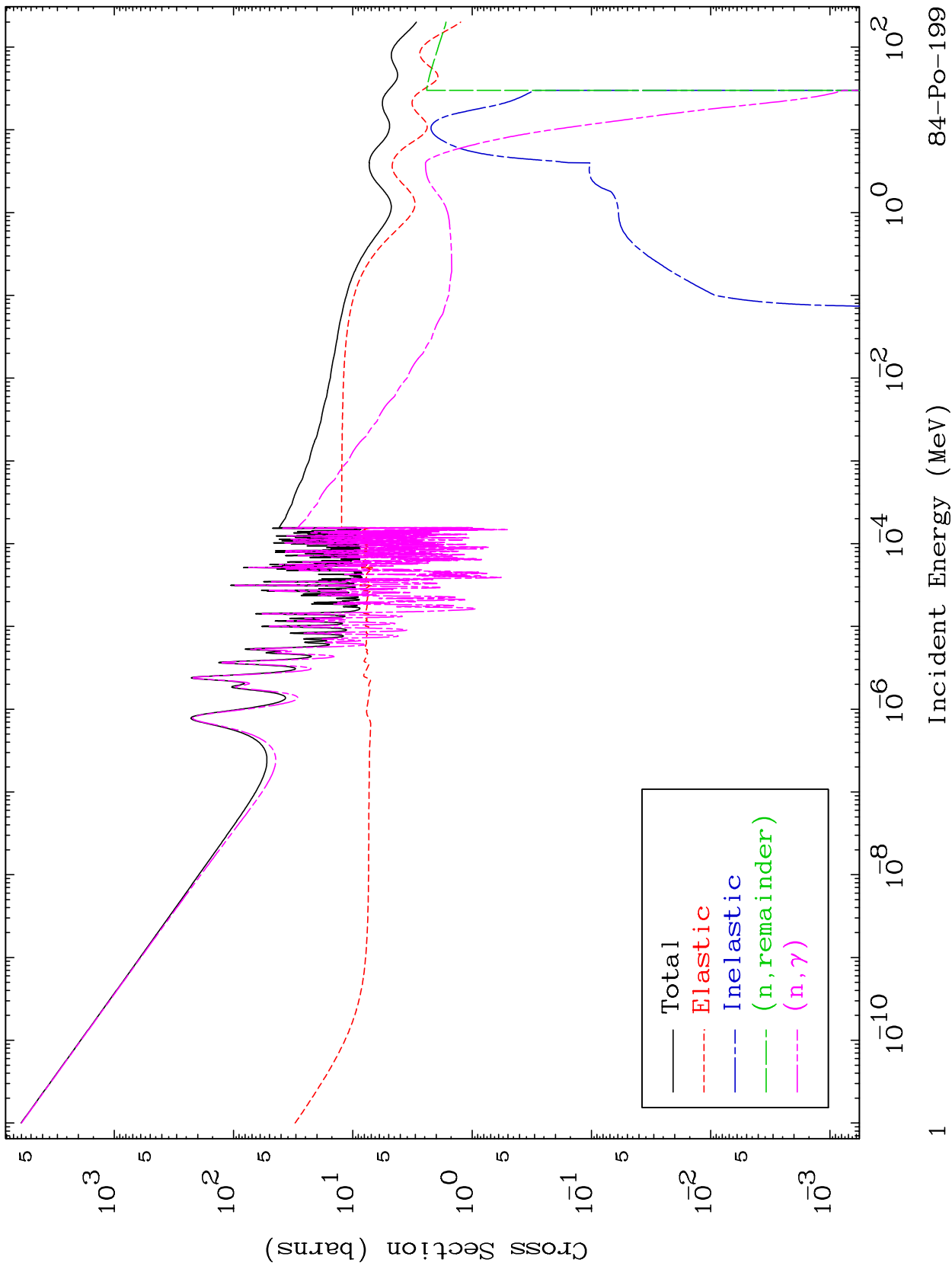
Press Mouse Button to Start

MAT 8404

Major

293 Kelvin Cross Sections

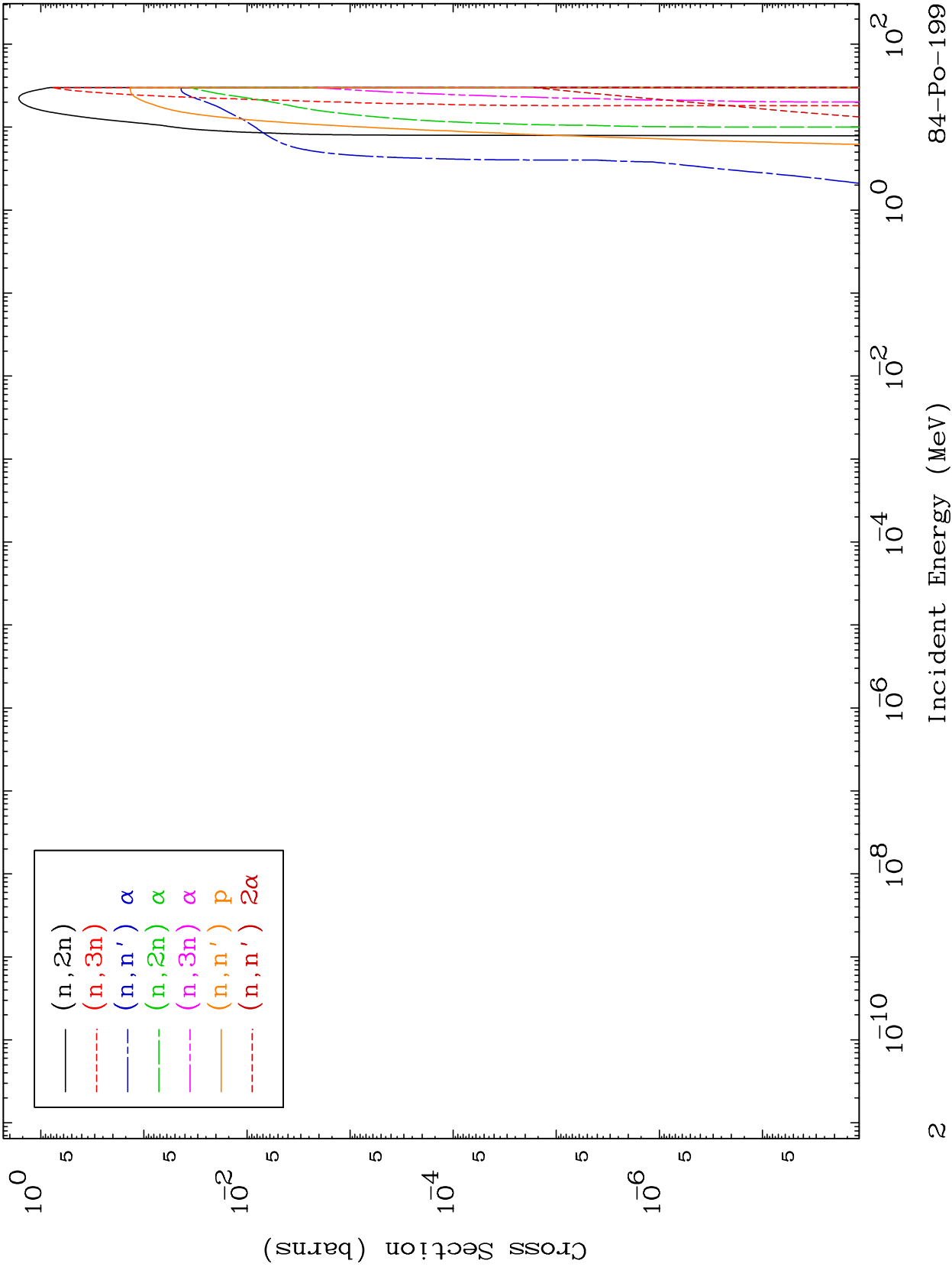
84-Po-199



MAT 8404

Neutron Production
293 Kelvin Cross Sections

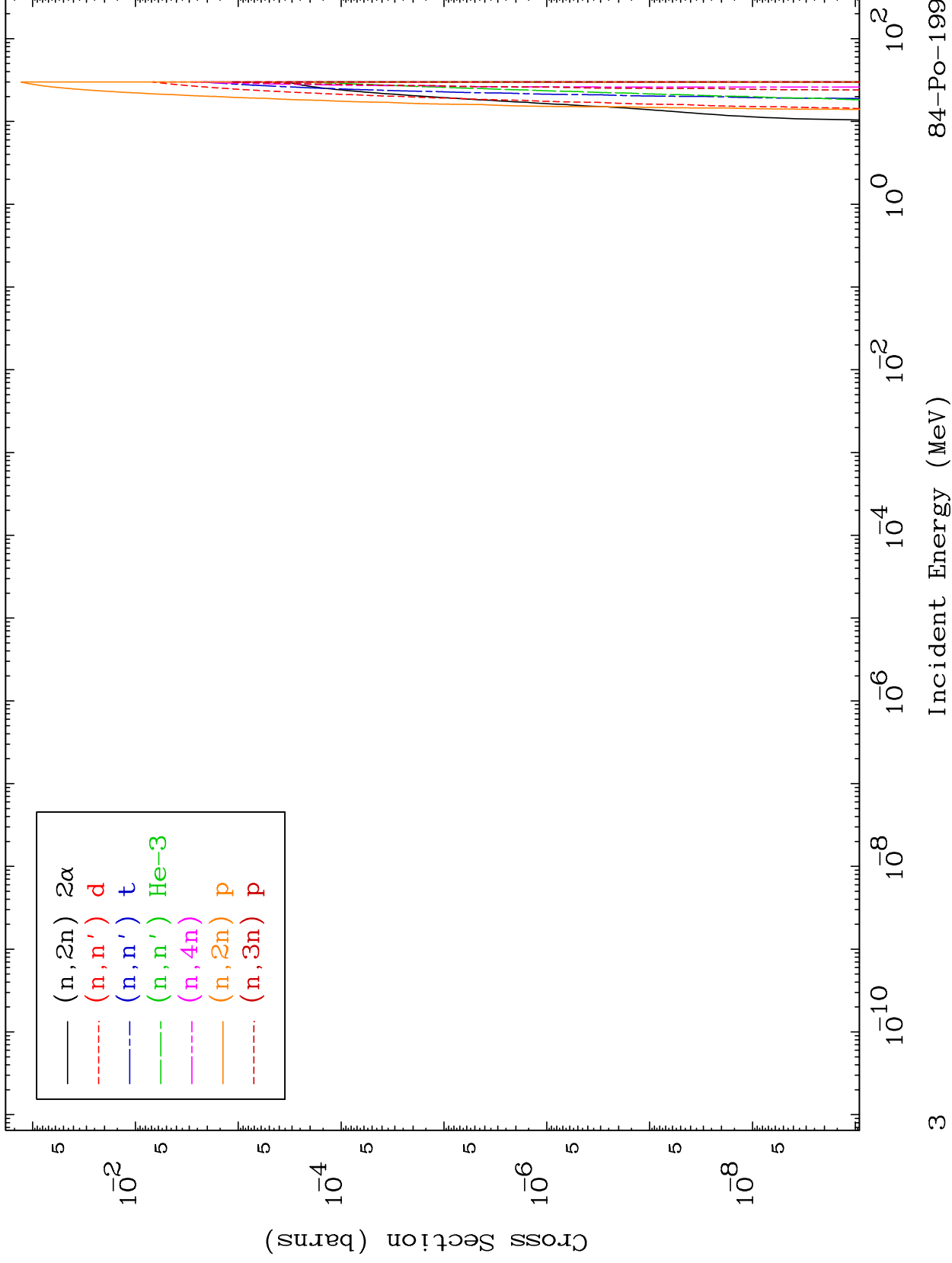
84-Po-199



MAT 8404

Neutron Production
293 Kelvin Cross Sections

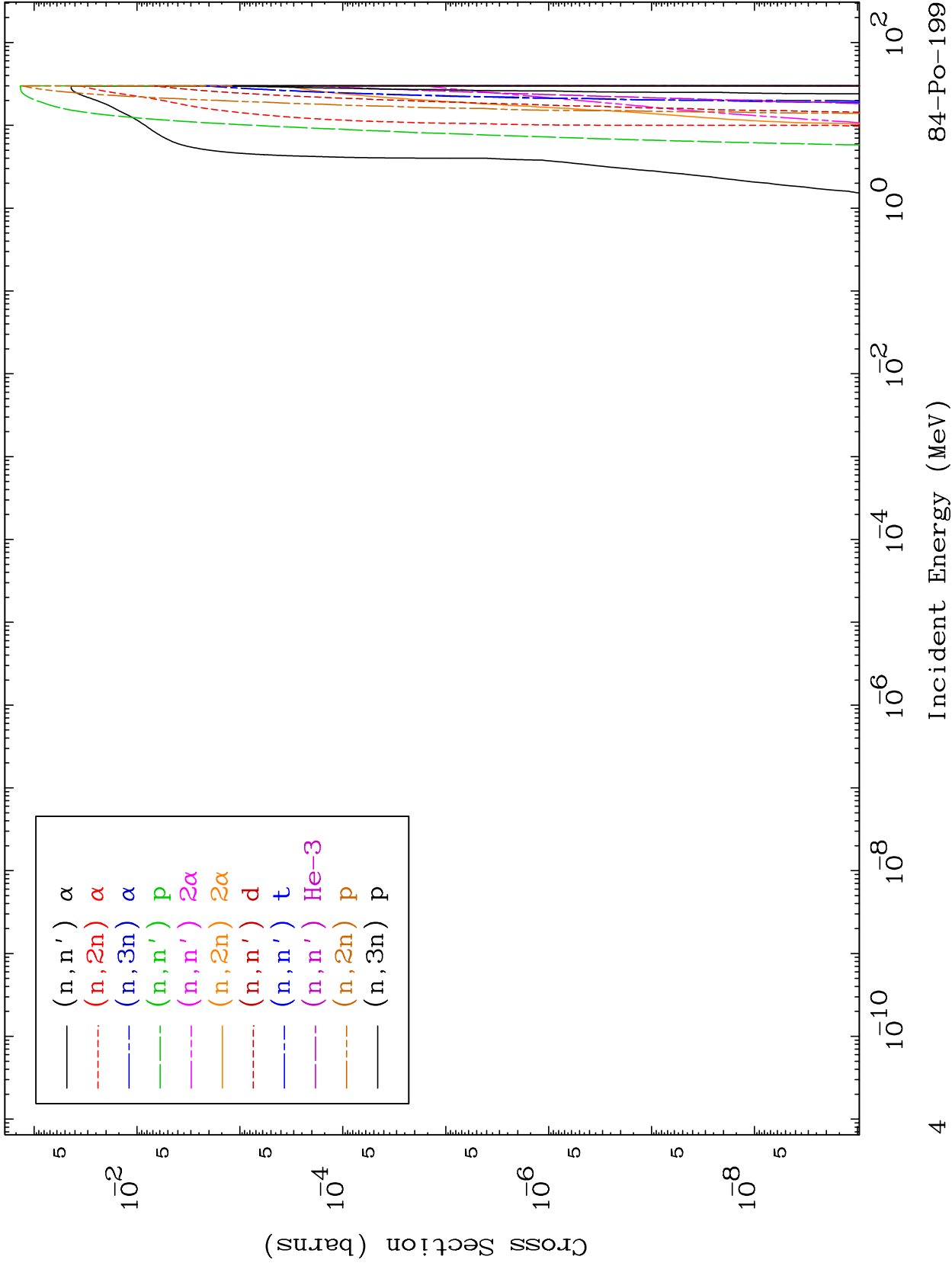
84-Po-199



MAT 8404

Charged Particle
293 Kelvin Cross Sections

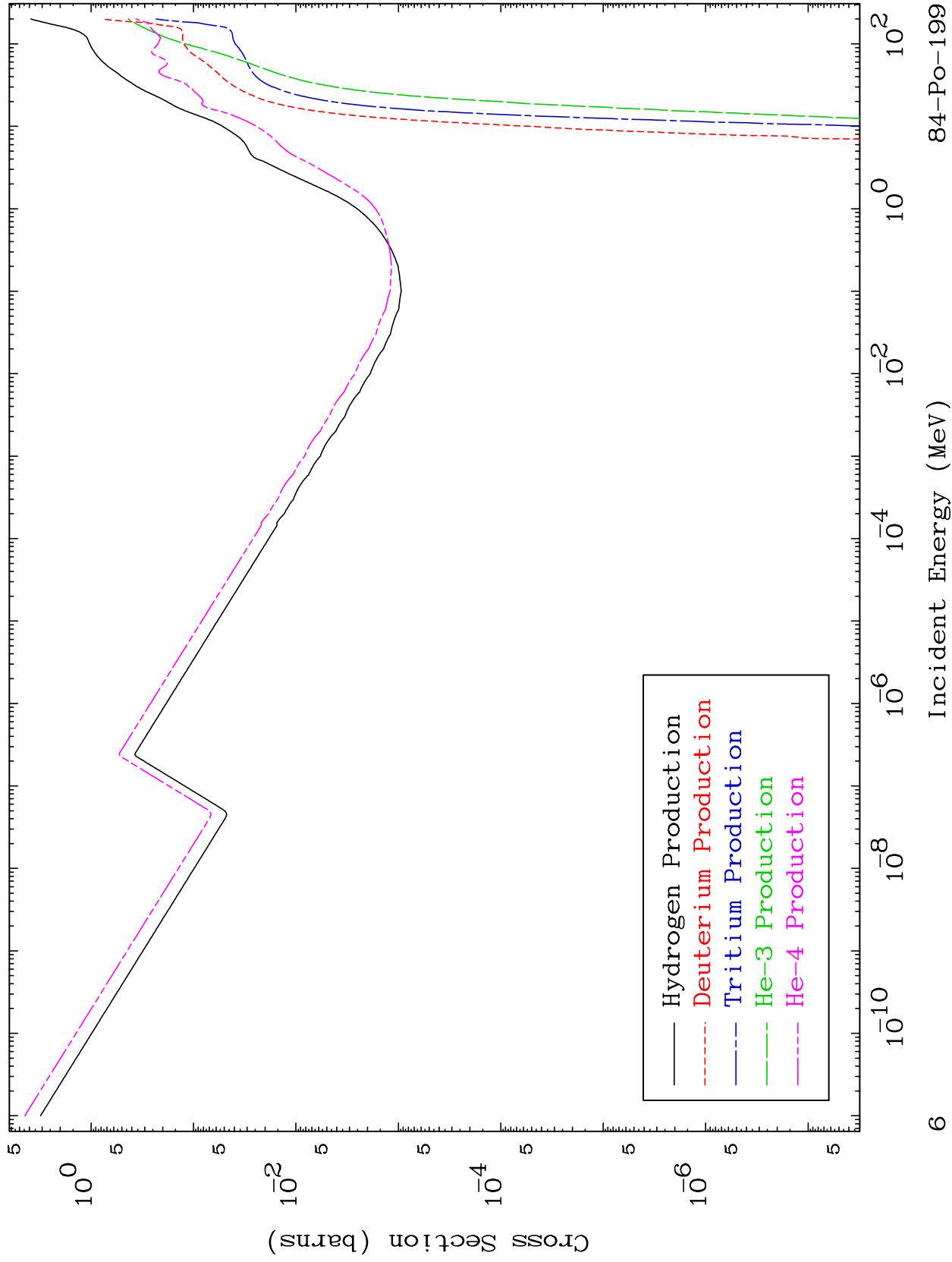
84-Po-199

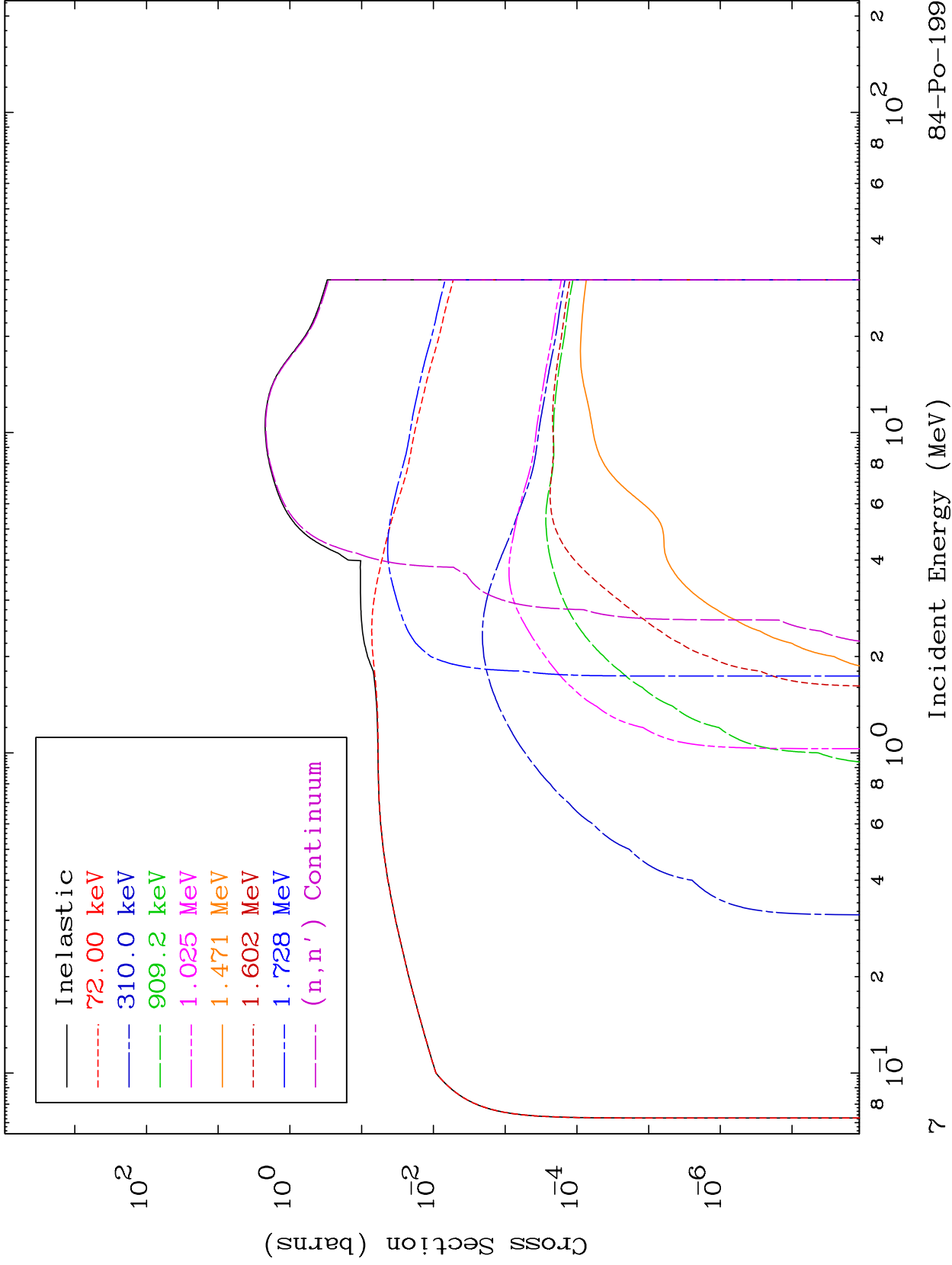


MAT 8404

Particle Production
293 Kelvin Cross Sections

84-Po-199

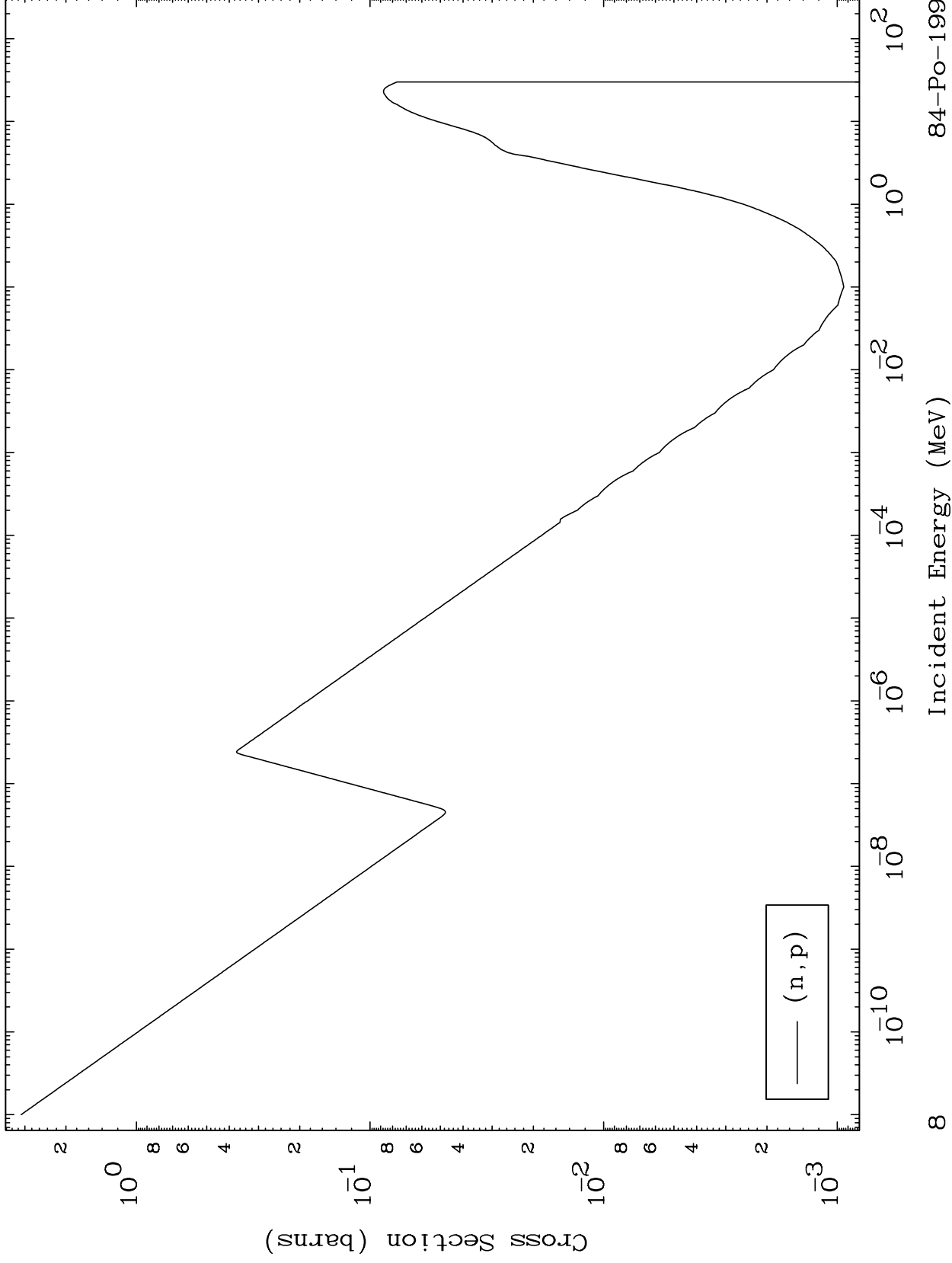




MAT 8404

(n,p) Levels
293 Kelvin Cross Sections

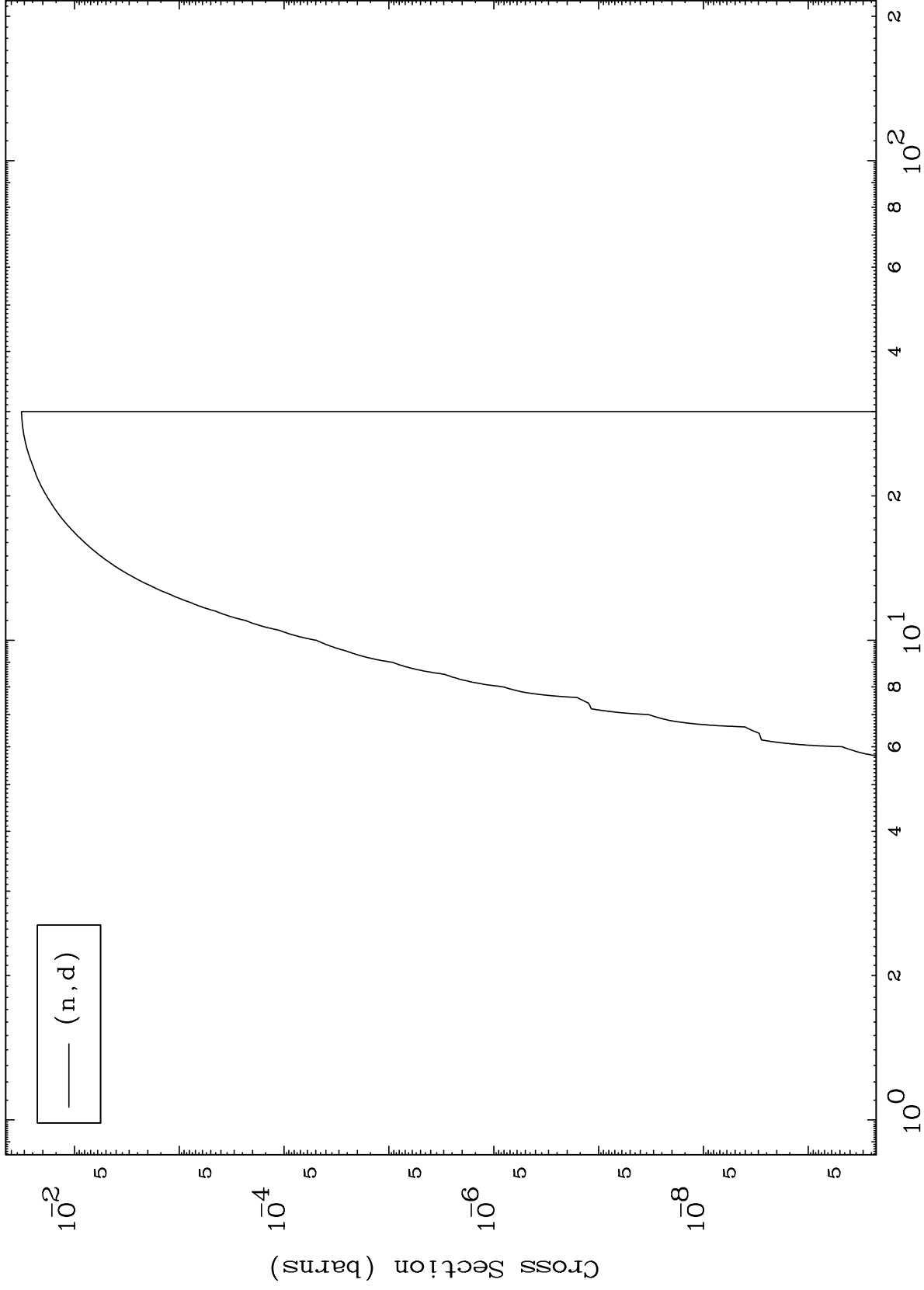
84-Po-199



MAT 8404

(n,d) Levels
293 Kelvin Cross Sections

84-Po-199



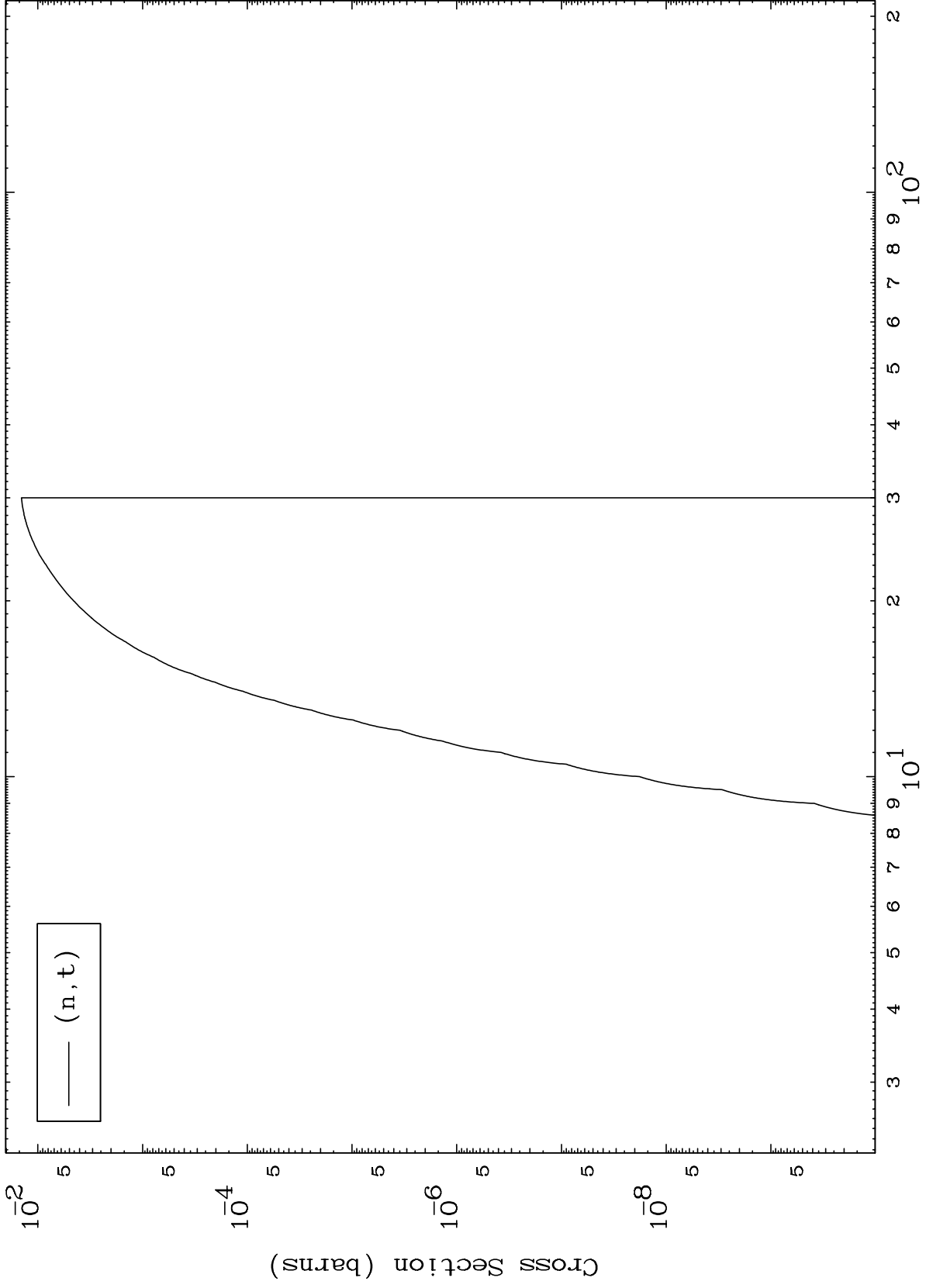
Incident Energy (MeV)

84-Po-199

MAT 8404

(n,t) Levels
293 Kelvin Cross Sections

84-Po-199



10

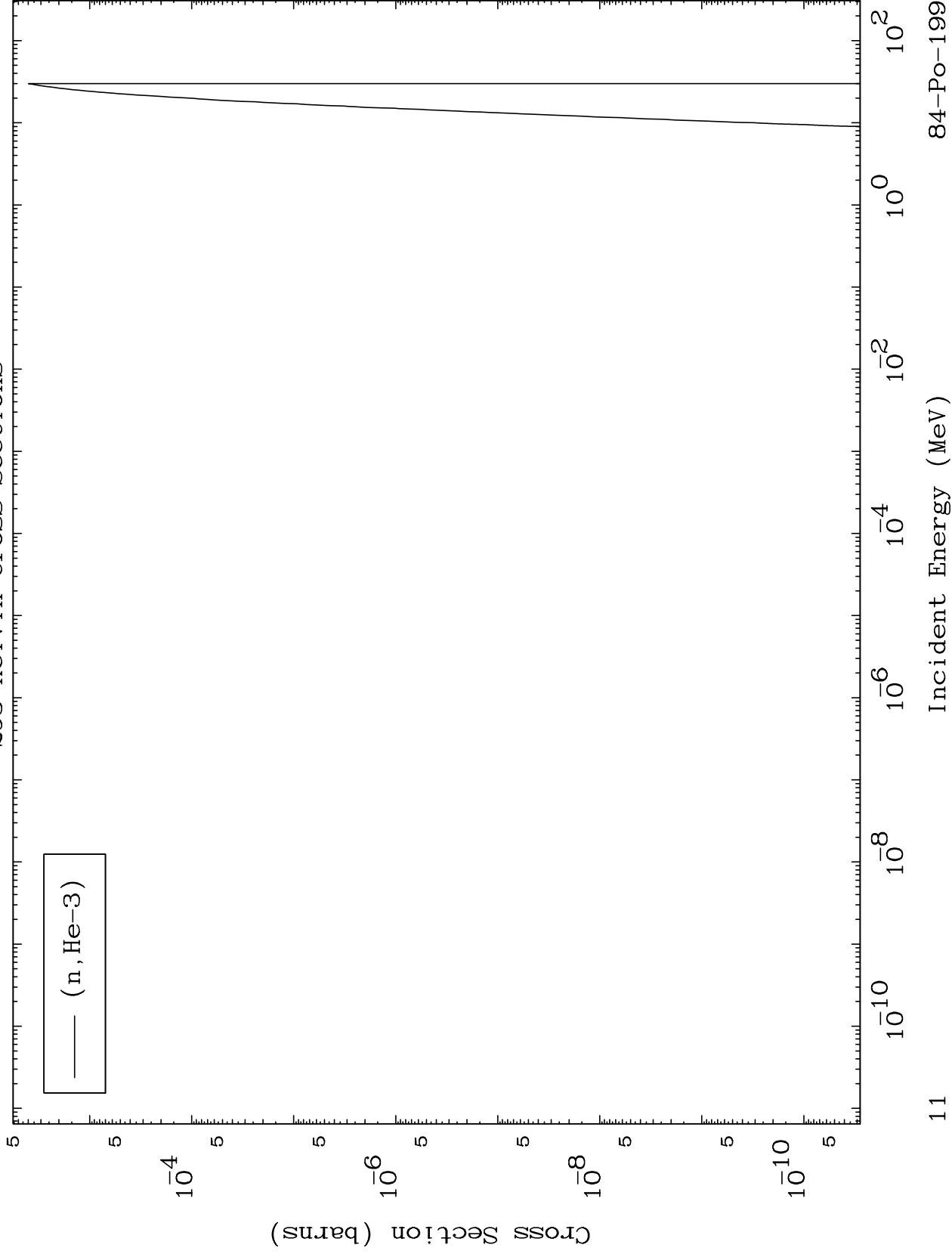
Incident Energy (MeV)

84-Po-199

MAT 8404

(n,He3) Levels
293 Kelvin Cross Sections

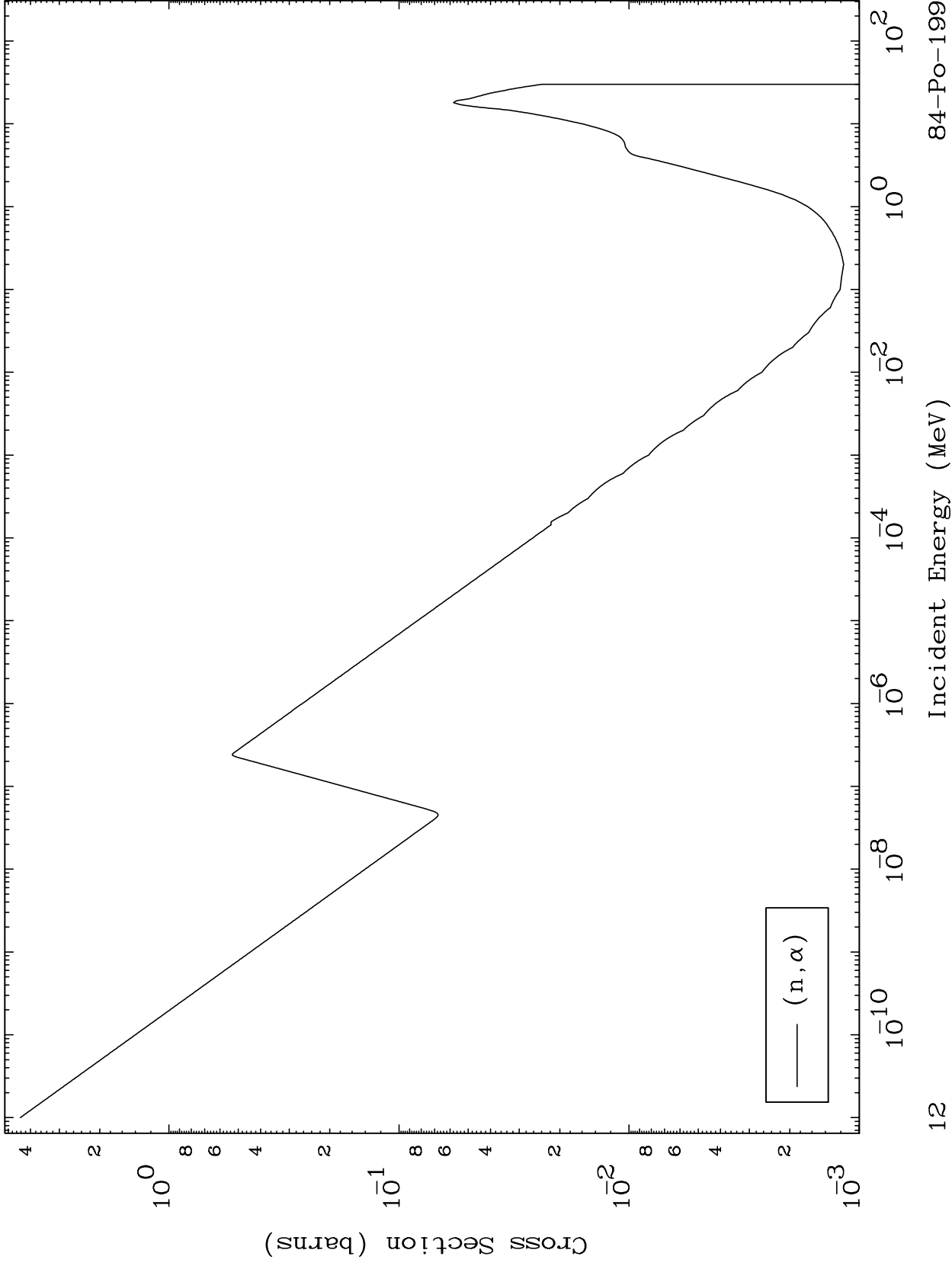
84-Po-199



MAT 8404

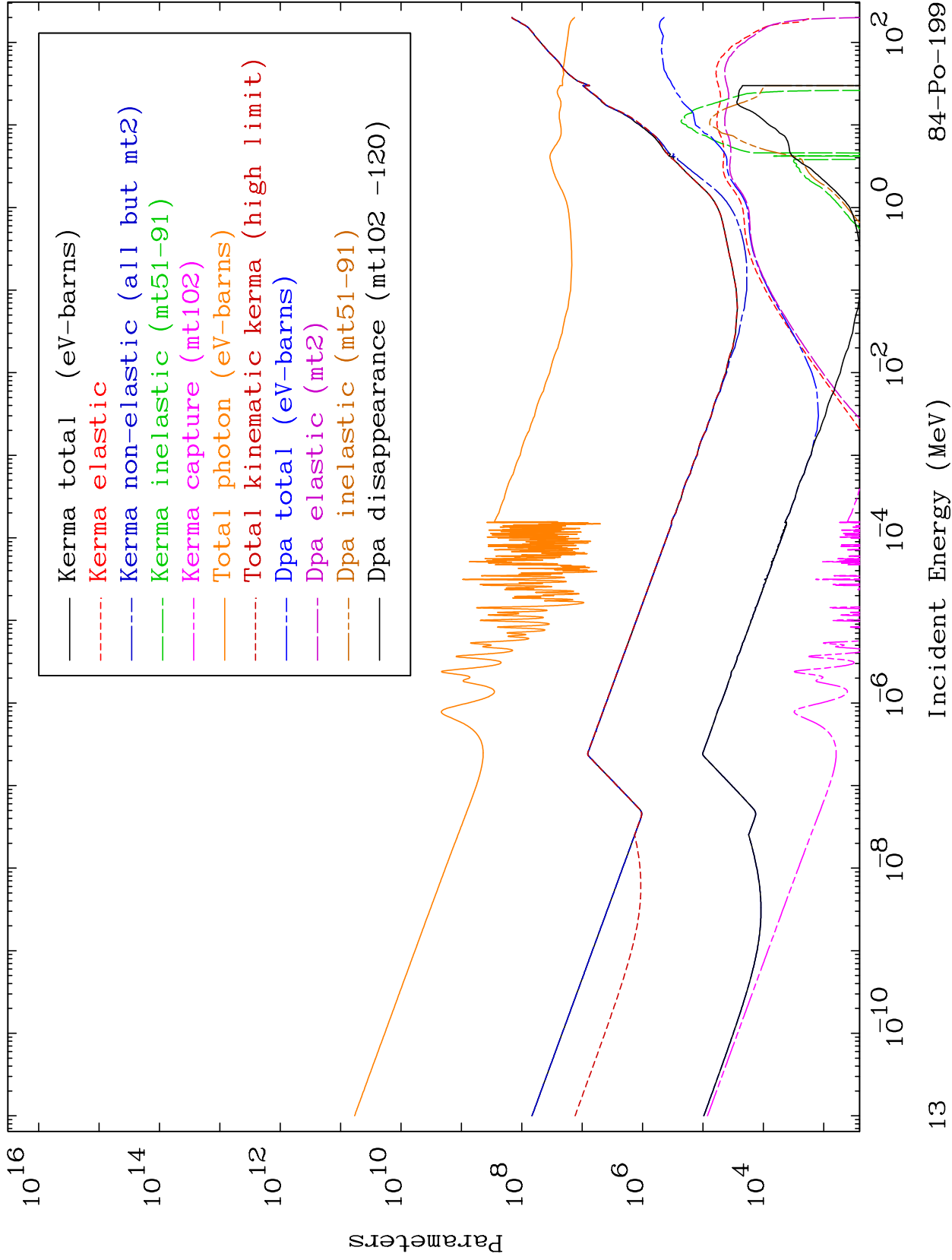
(n, α) Levels
293 Kelvin Cross Sections

84-Po-199



12

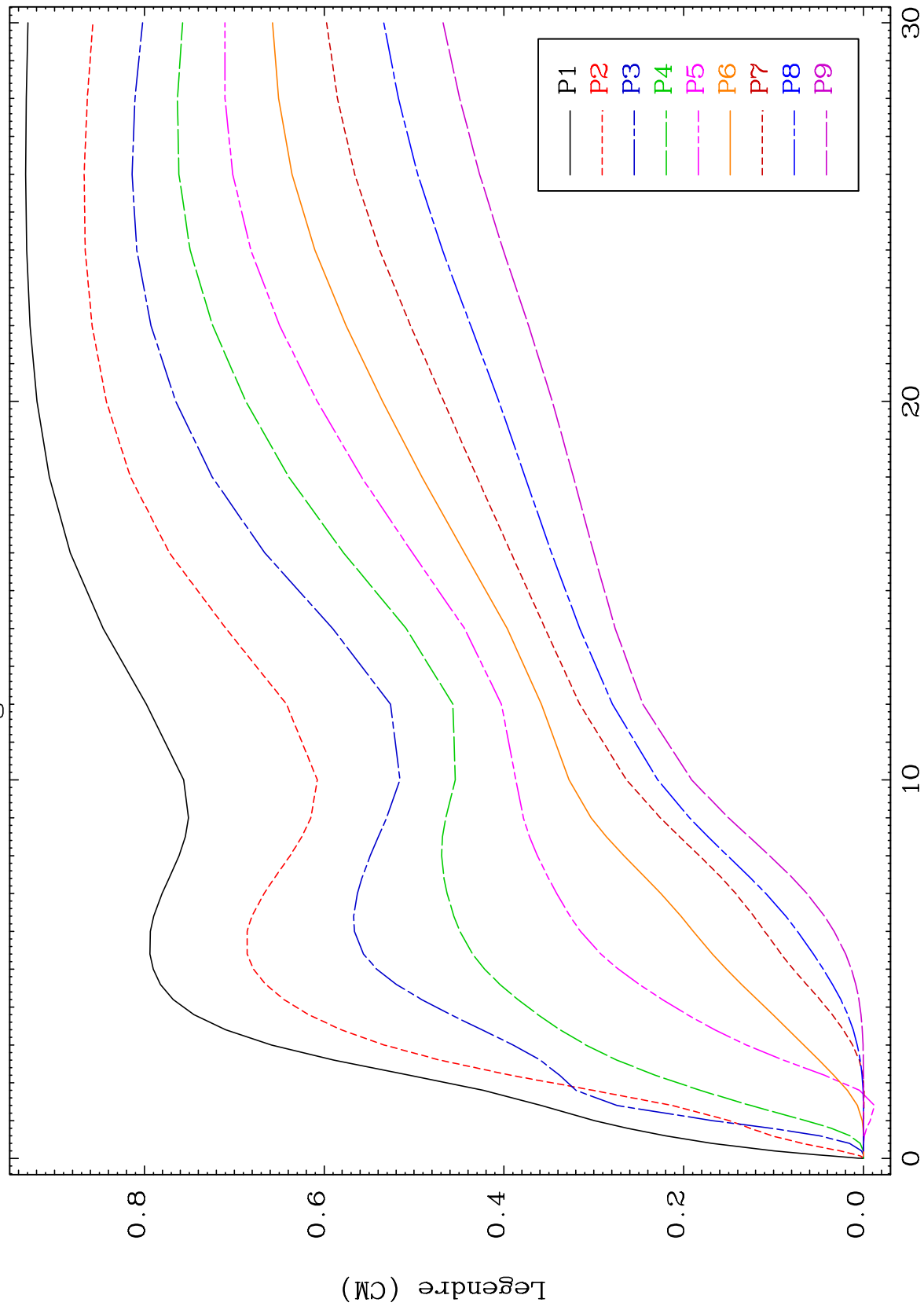
84-Po-199



MAT 8404

Elastic Legendre Coefficients

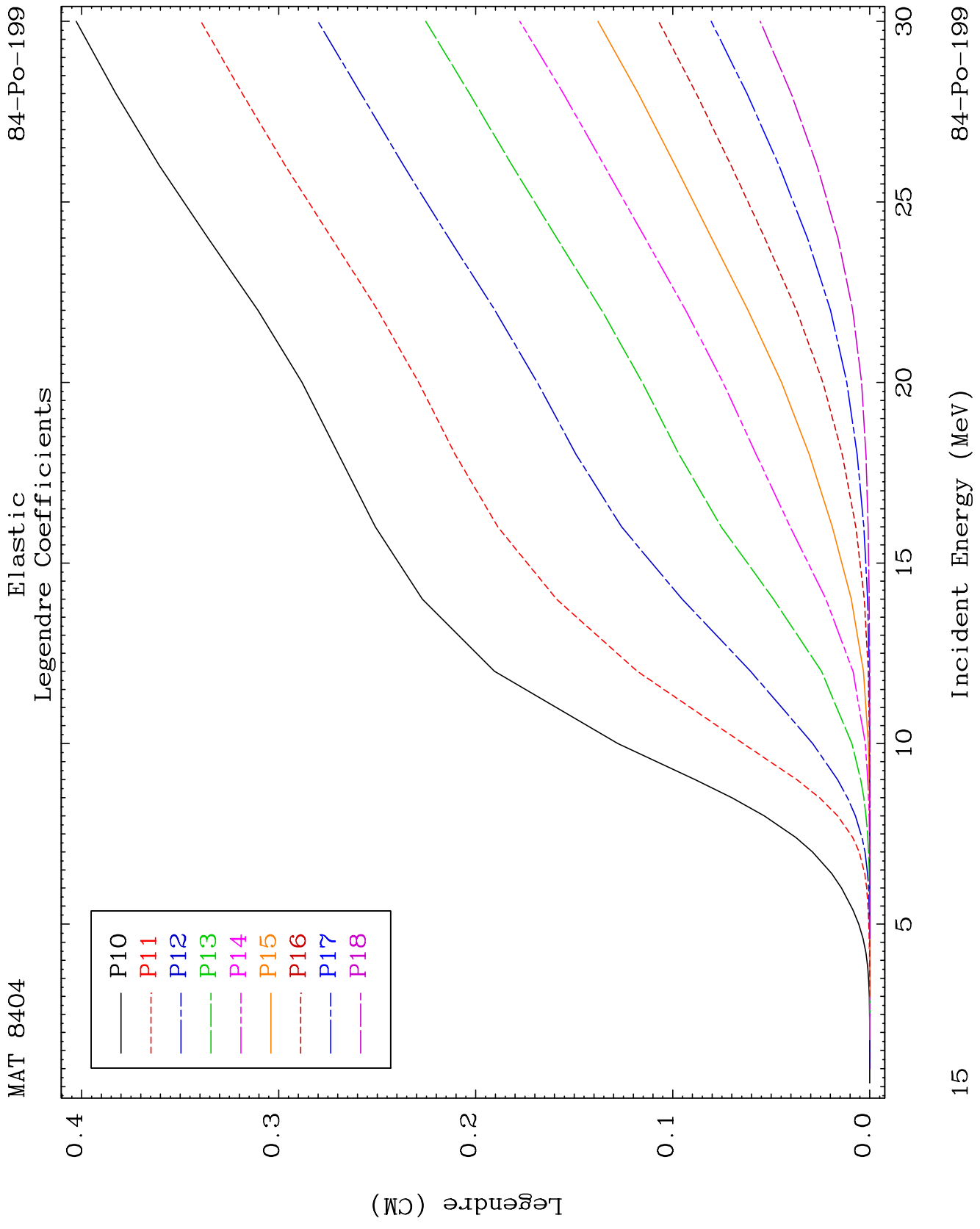
84-Po-199



14

Incident Energy (MeV)

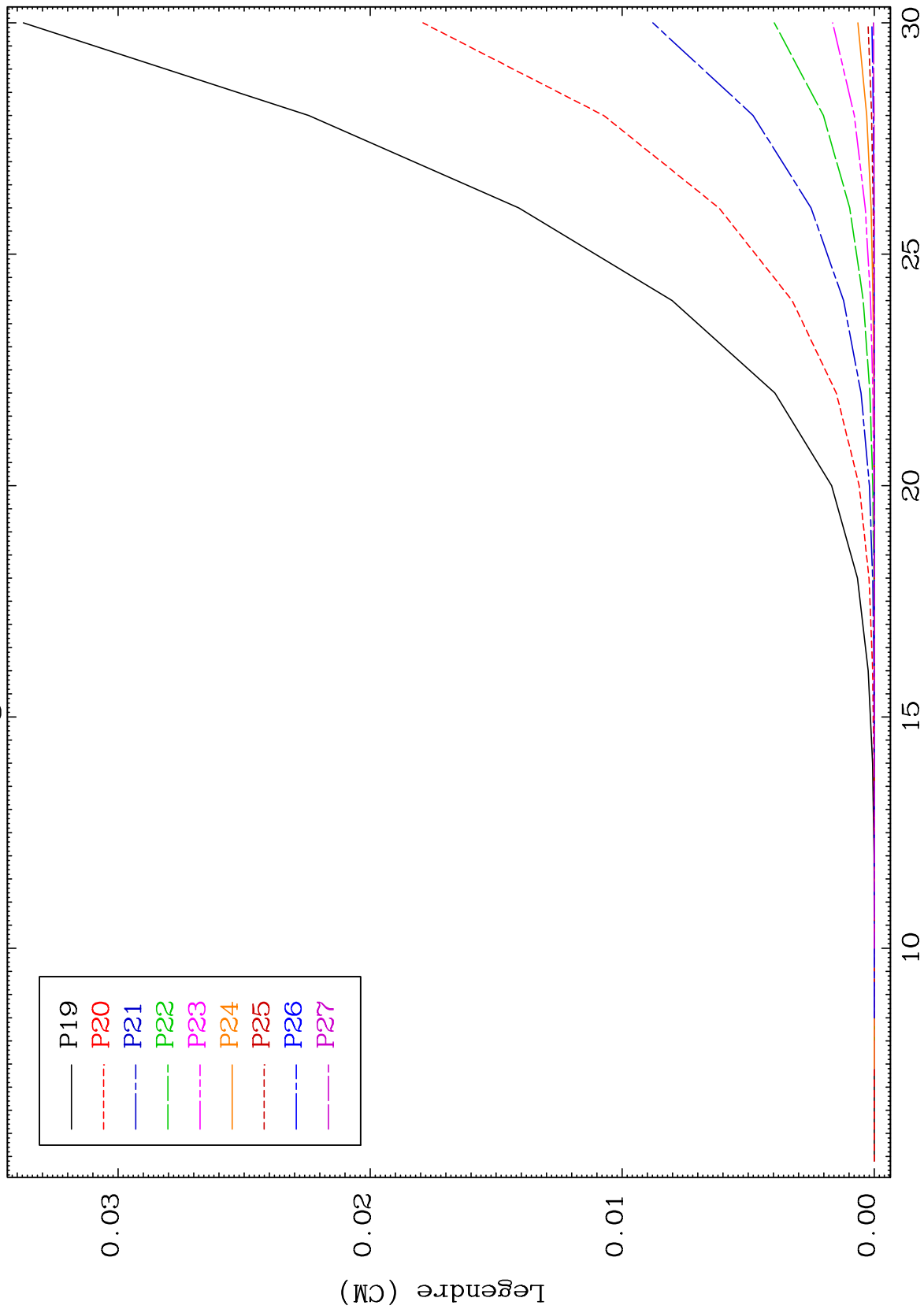
84-Po-199



MAT 8404

Elastic Legendre Coefficients

84-Po-199



84-Po-199

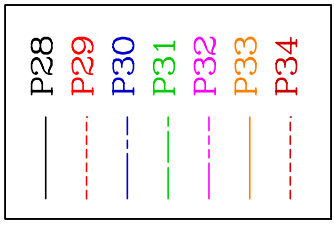
Incident Energy (MeV)

16

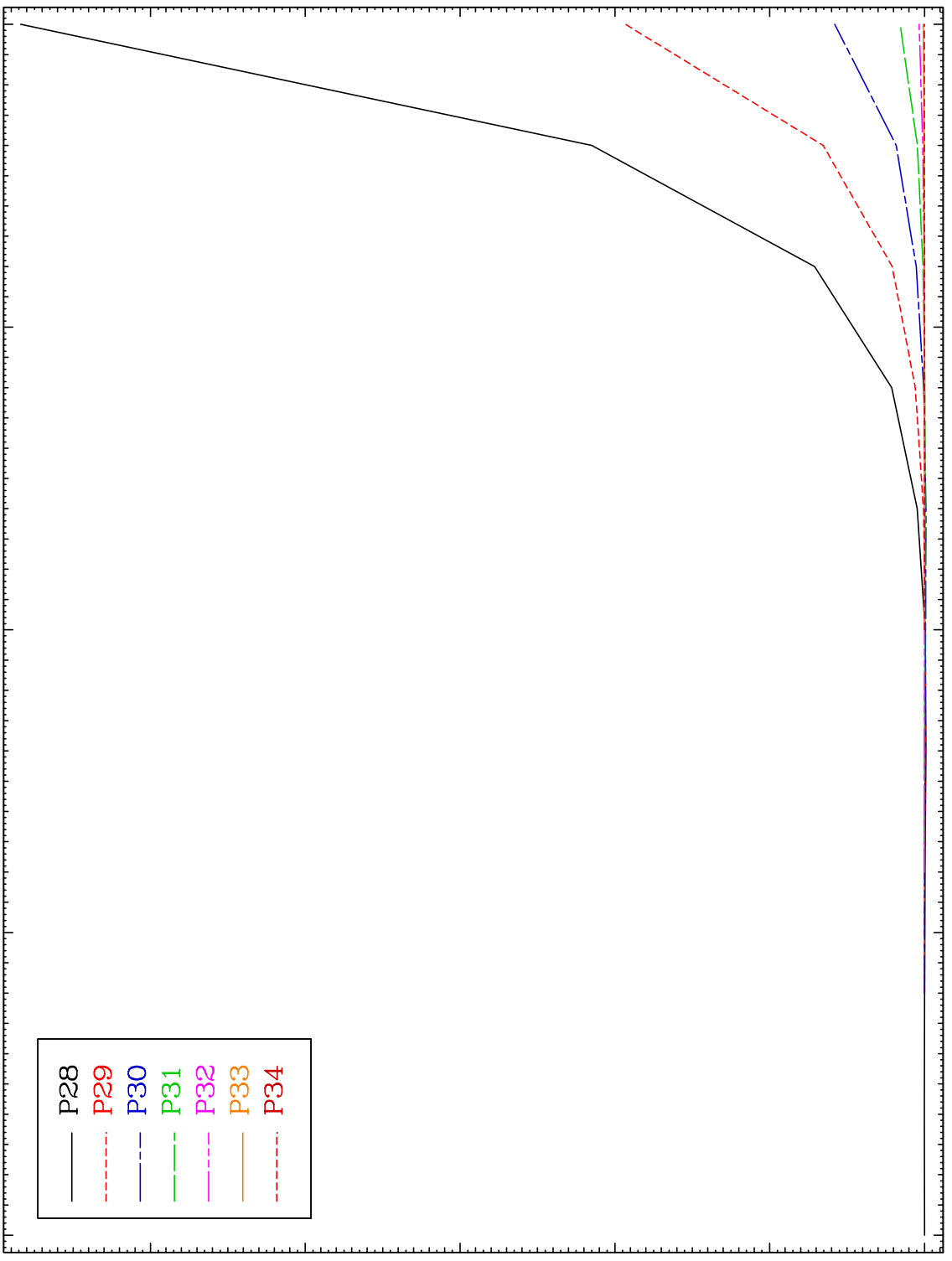
MAT 8404

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)

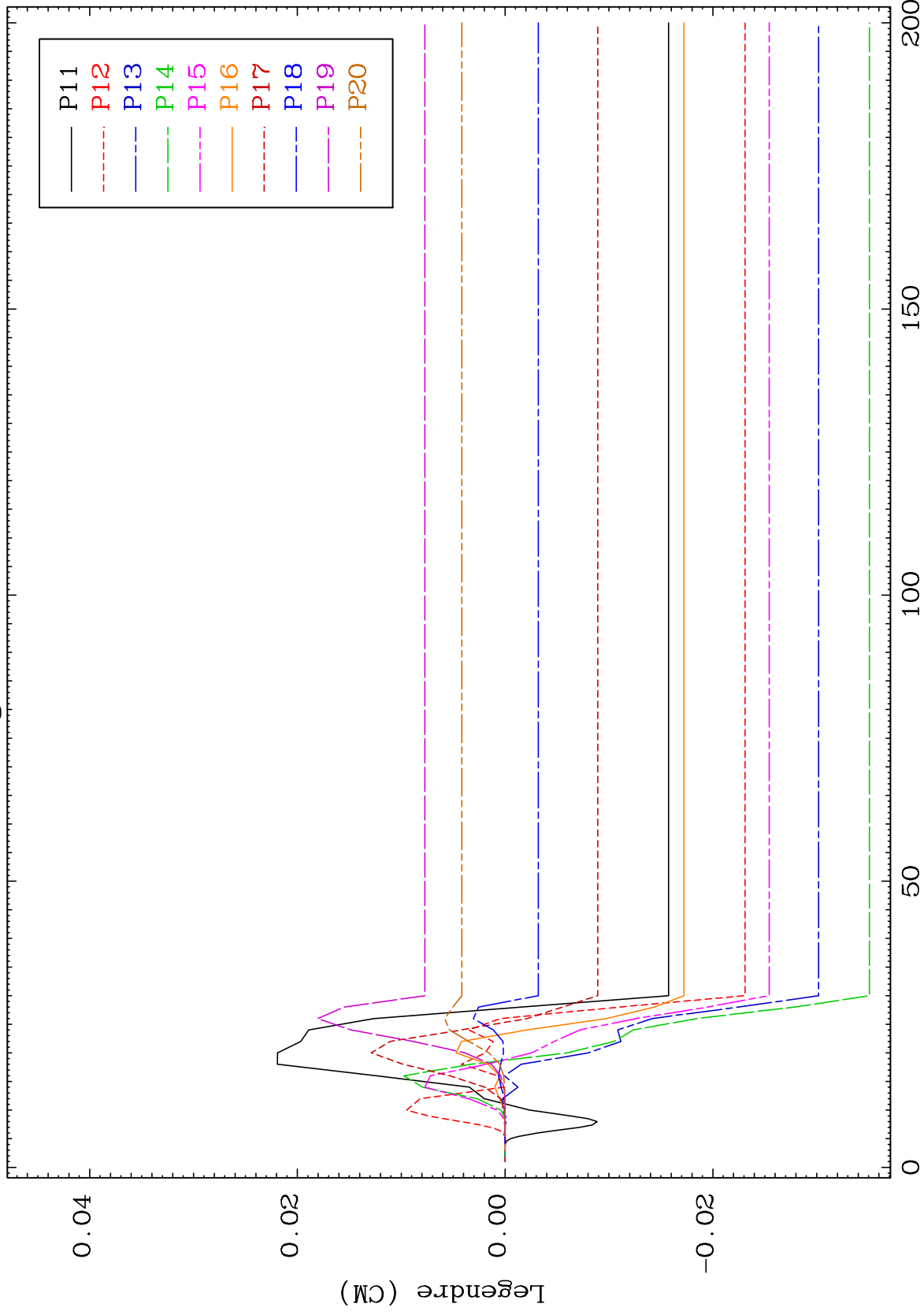
84-Po-199

17

MAT 8404

72.00 keV (n,n') Level
Legendre Coefficients

84-Po-199



19

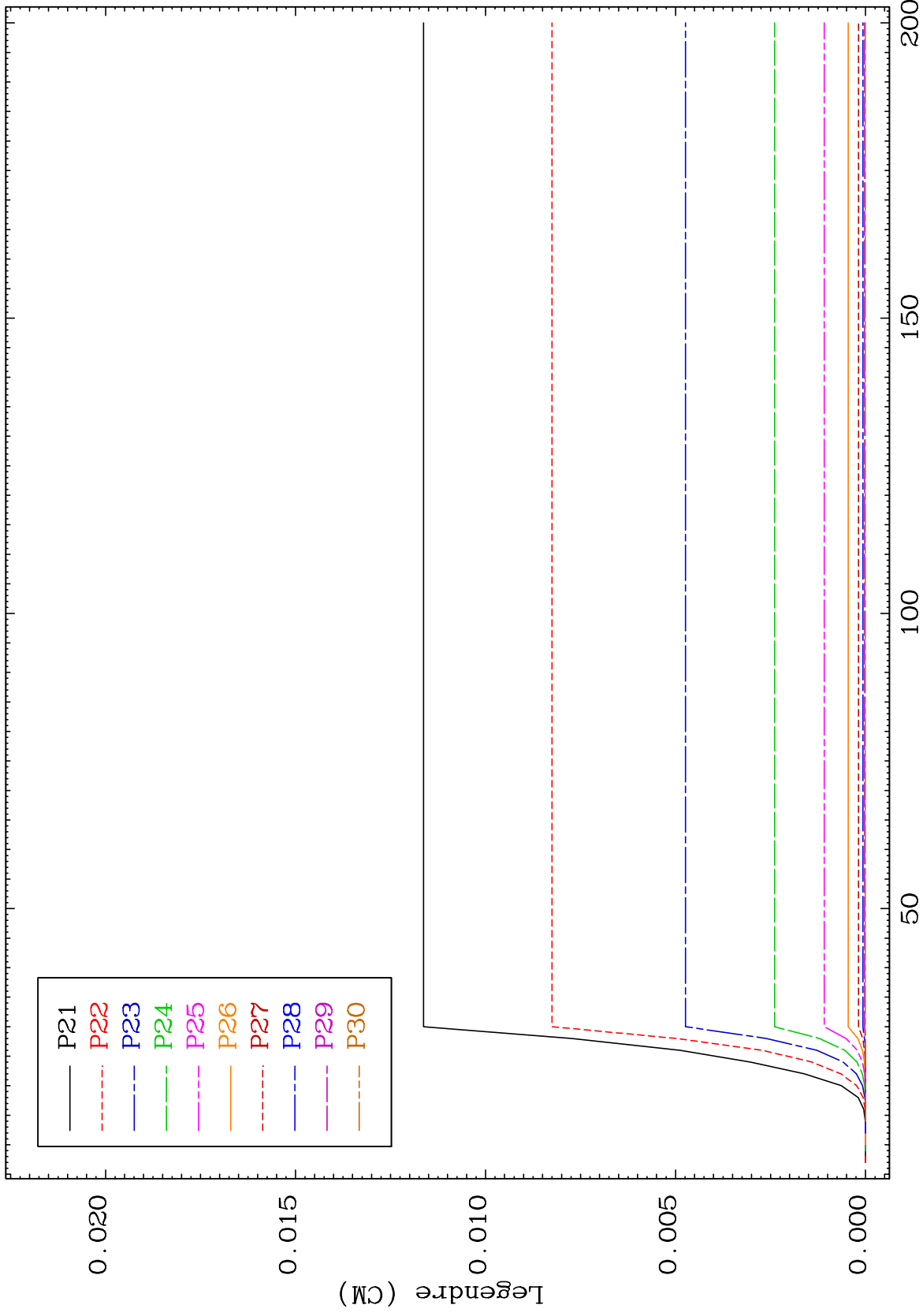
Incident Energy (MeV)

84-Po-199

MAT 8404

72.00 keV (n,n') Level
Legendre Coefficients

84-Po-199



84-Po-199

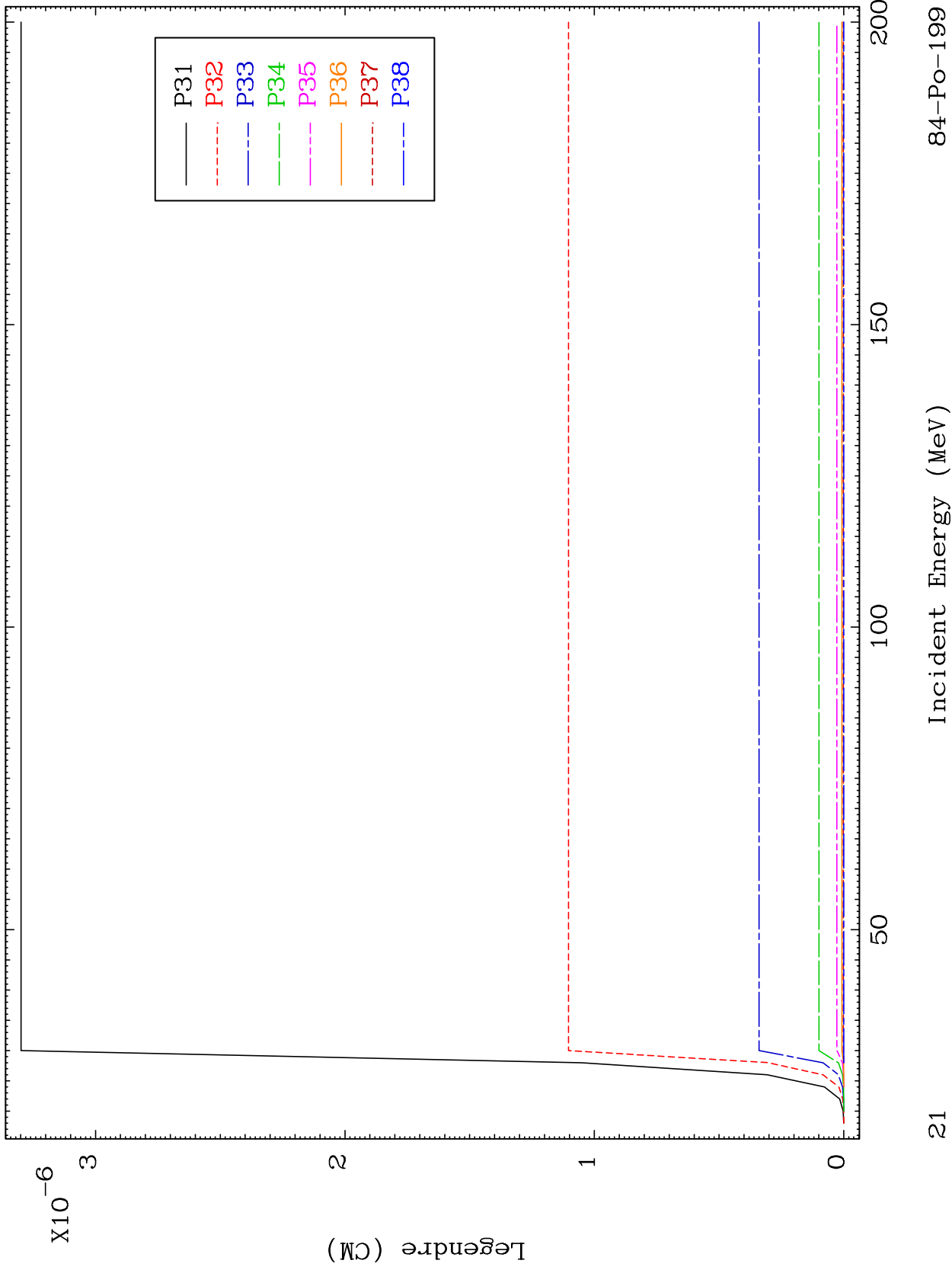
Incident Energy (MeV)

20

MAT 8404

72.00 keV (n,n') Level
Legendre Coefficients

84-Po-199

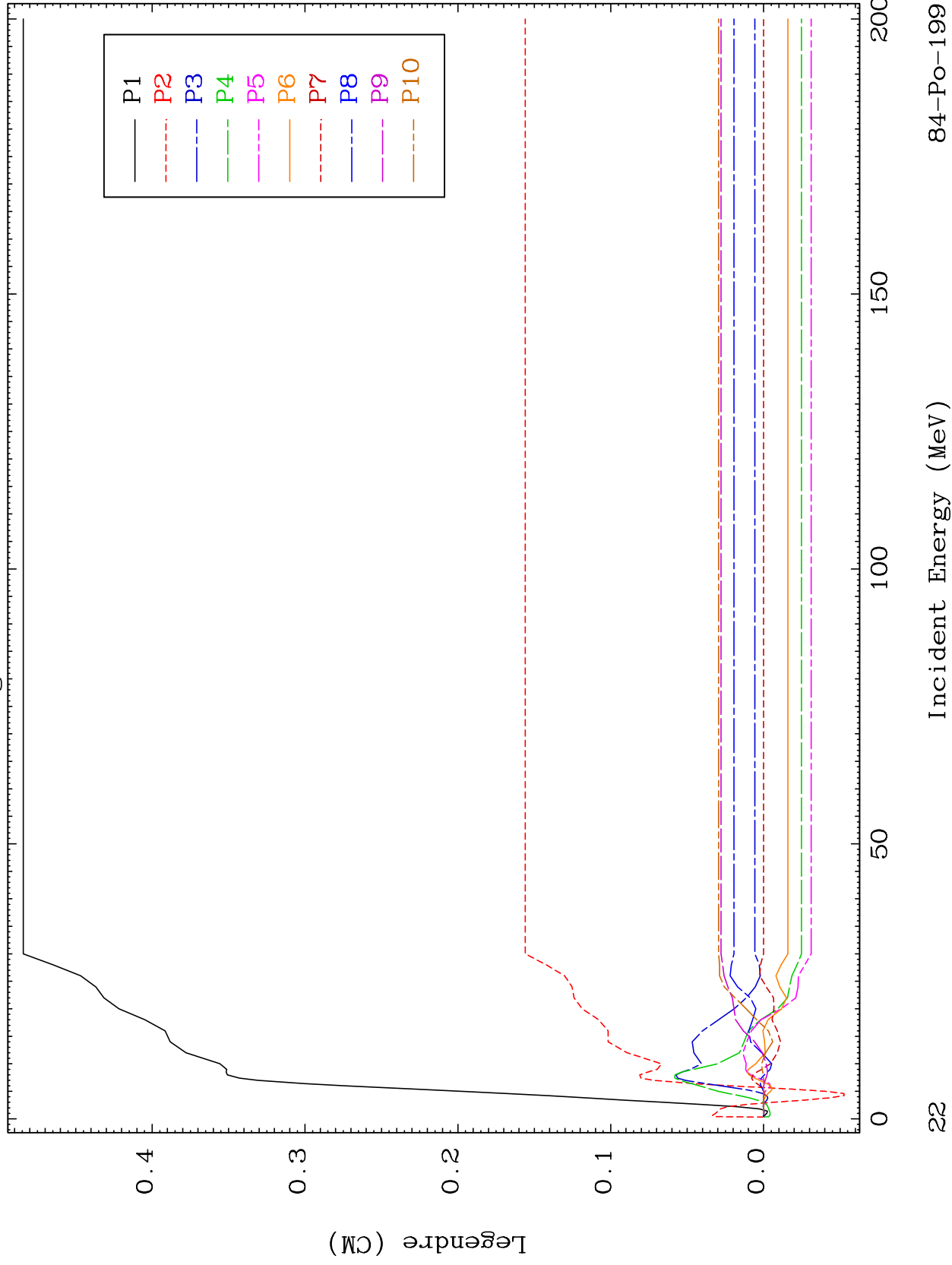


21

MAT 8404

310.0 keV (n,n') Level
Legendre Coefficients

84-Po-199

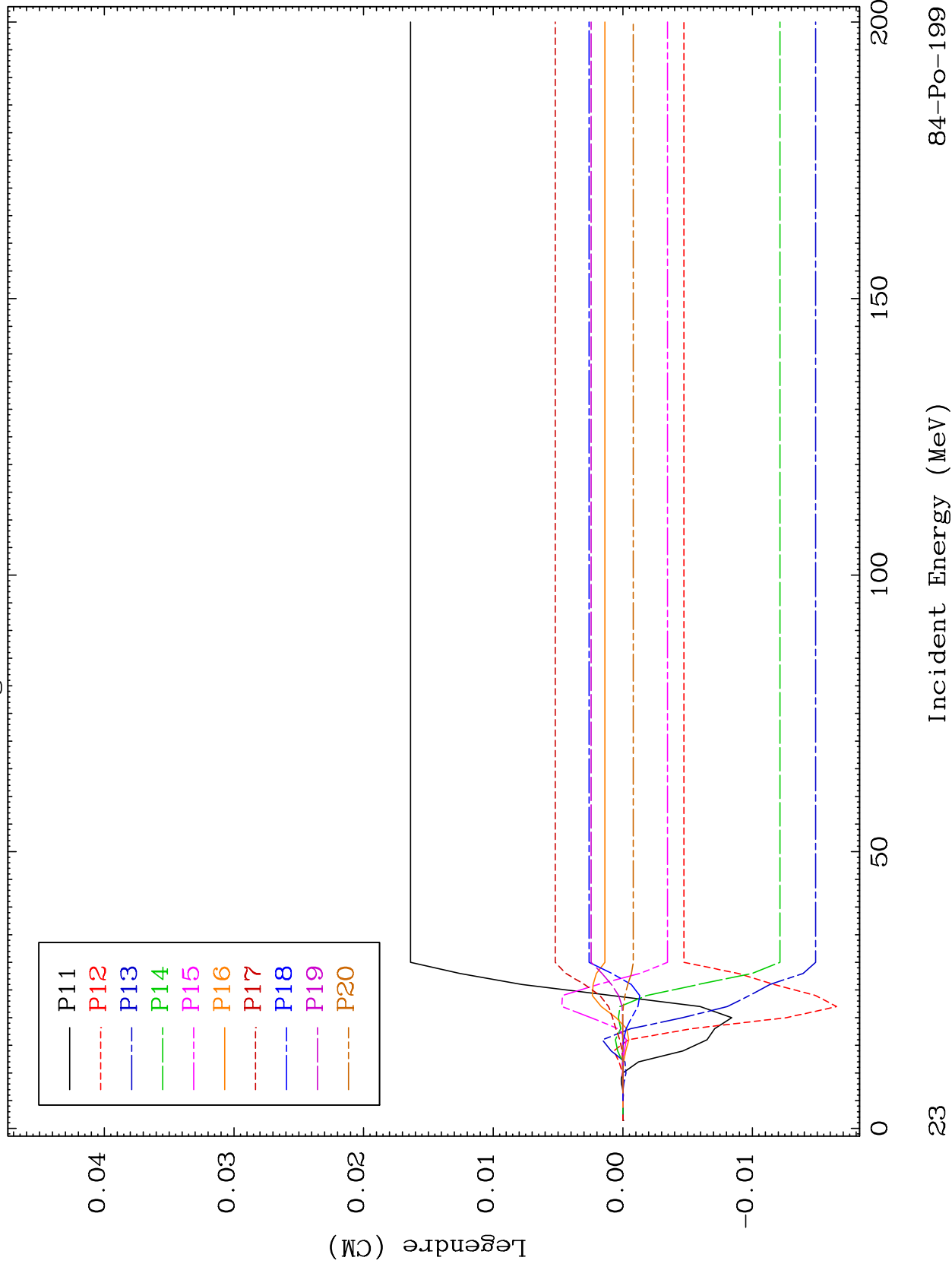


22

MAT 8404

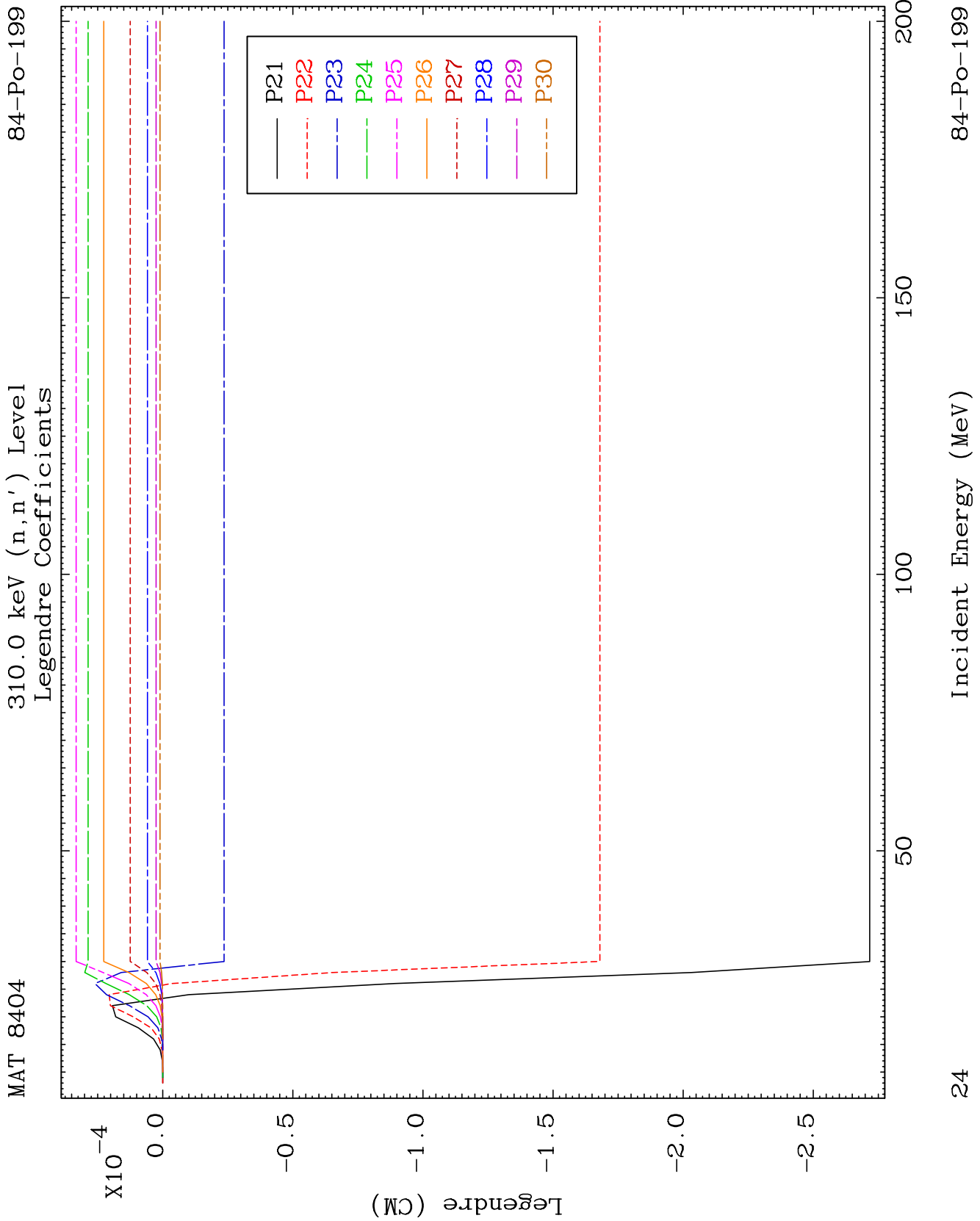
310.0 keV (n, n') Level
Legendre Coefficients

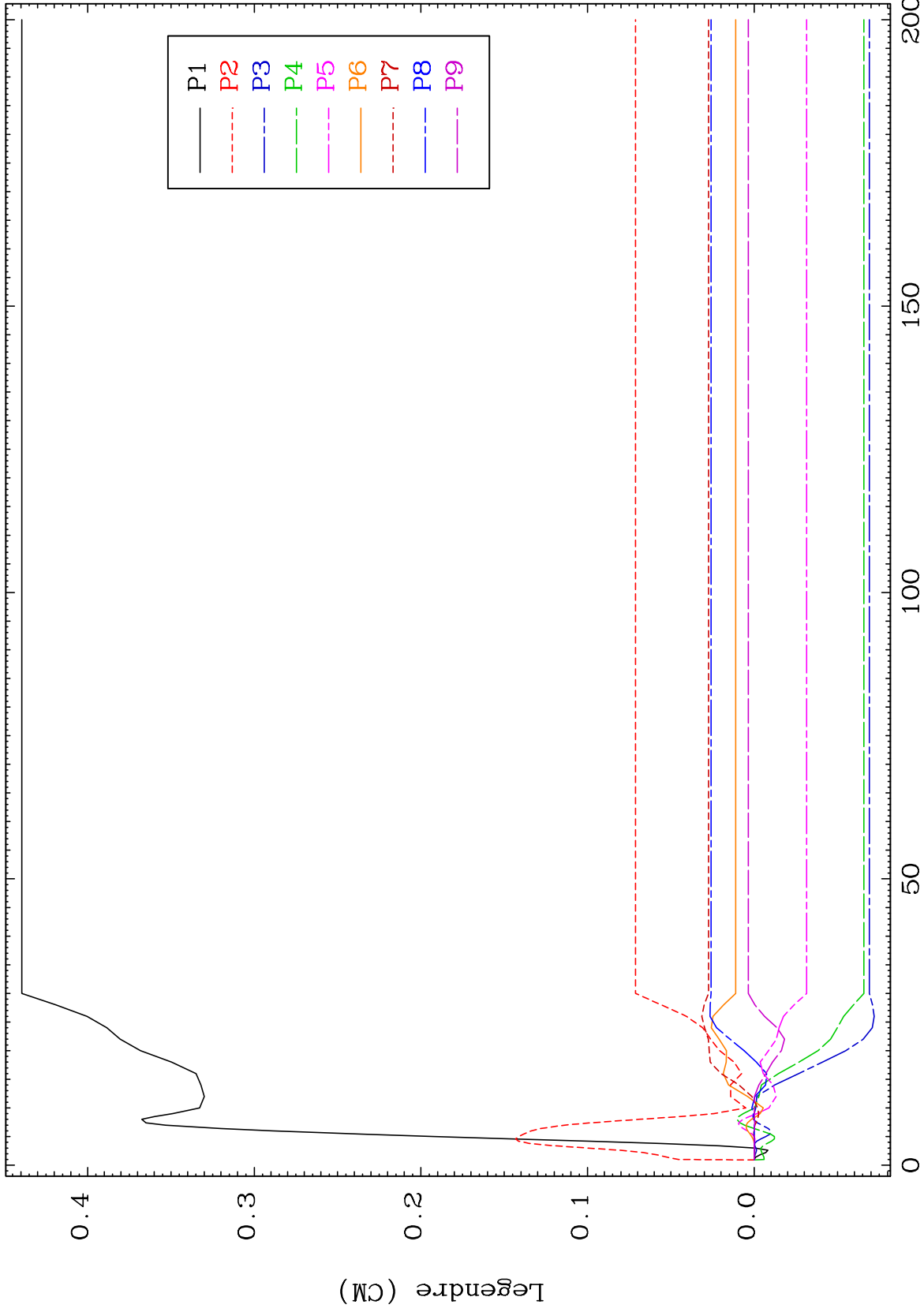
84-Po-199



23

84-Po-199

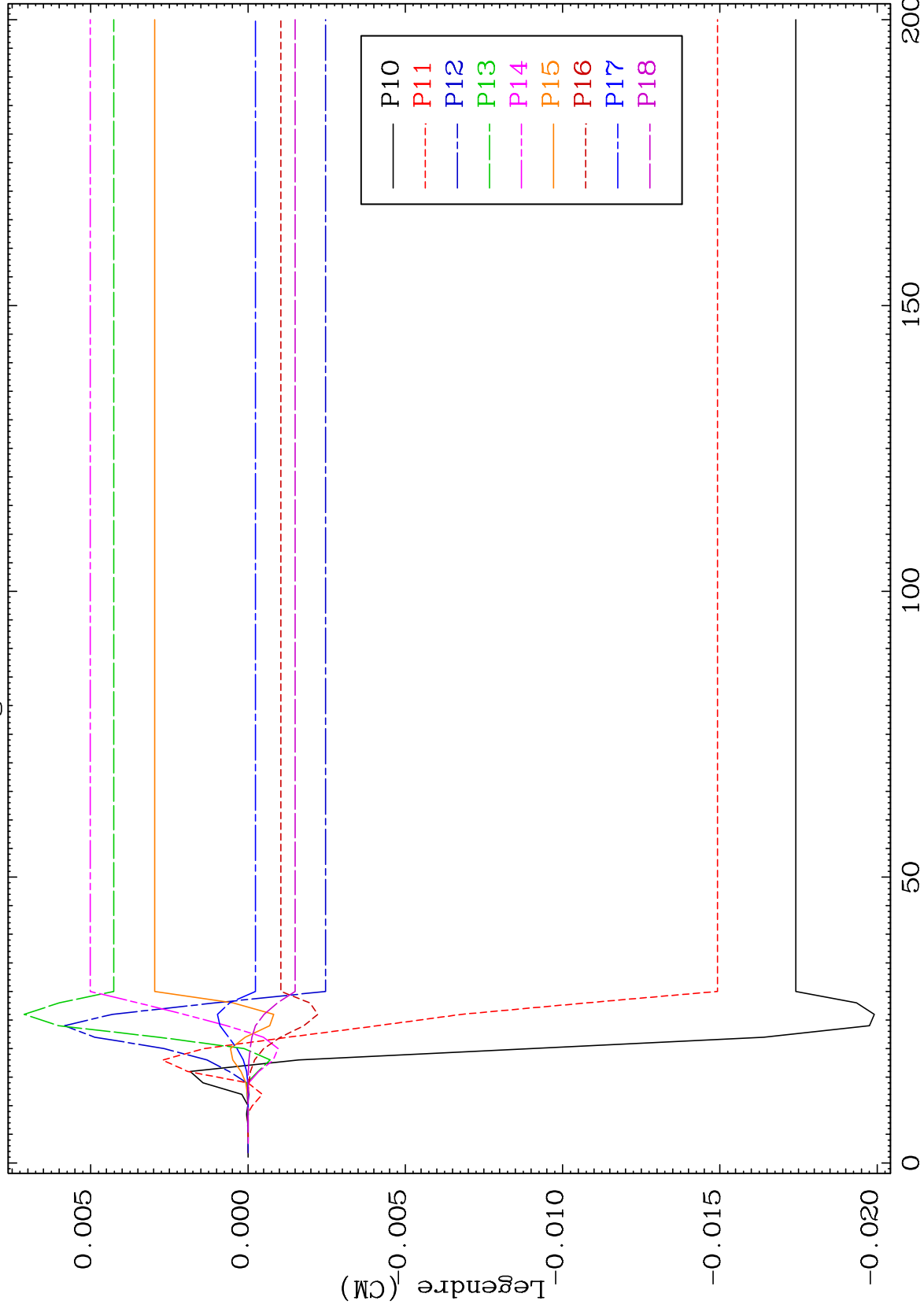




MAT 8404

909.2 keV (n,n') Level
Legendre Coefficients

84-Po-199



27

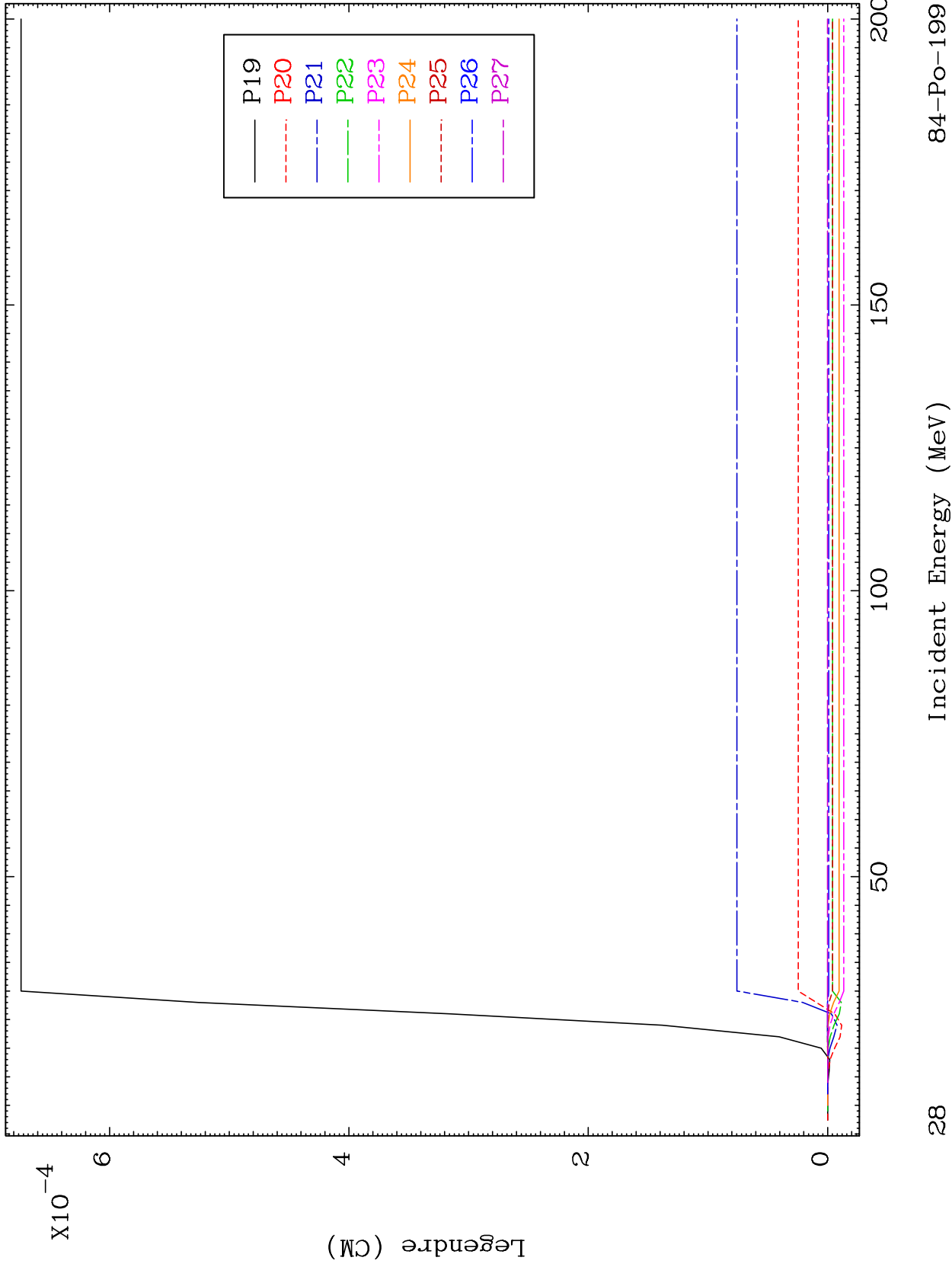
Incident Energy (MeV)

84-Po-199

MAT 8404

909.2 keV (n,n') Level
Legendre Coefficients

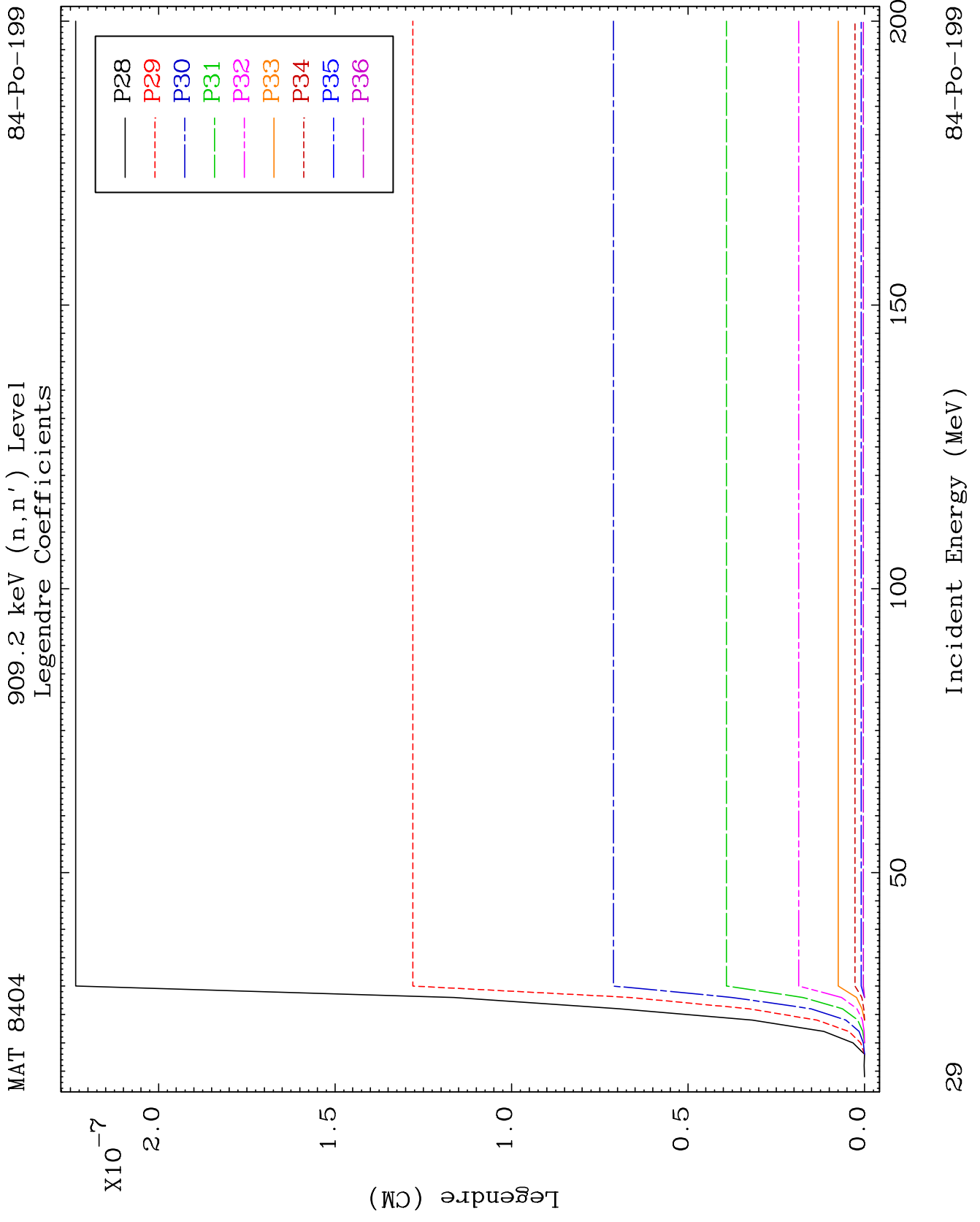
84-Po-199



28

Incident Energy (MeV)

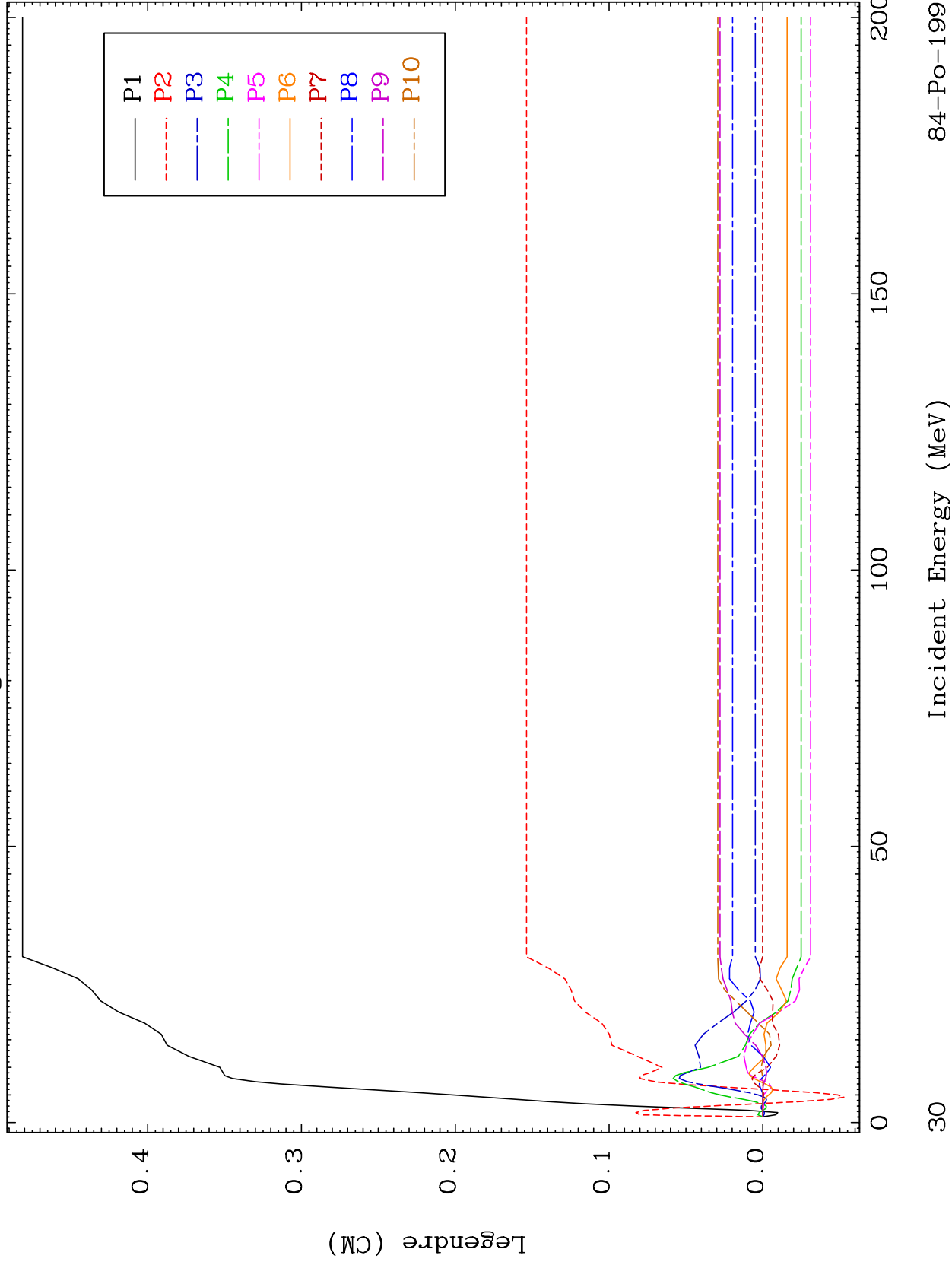
84-Po-199



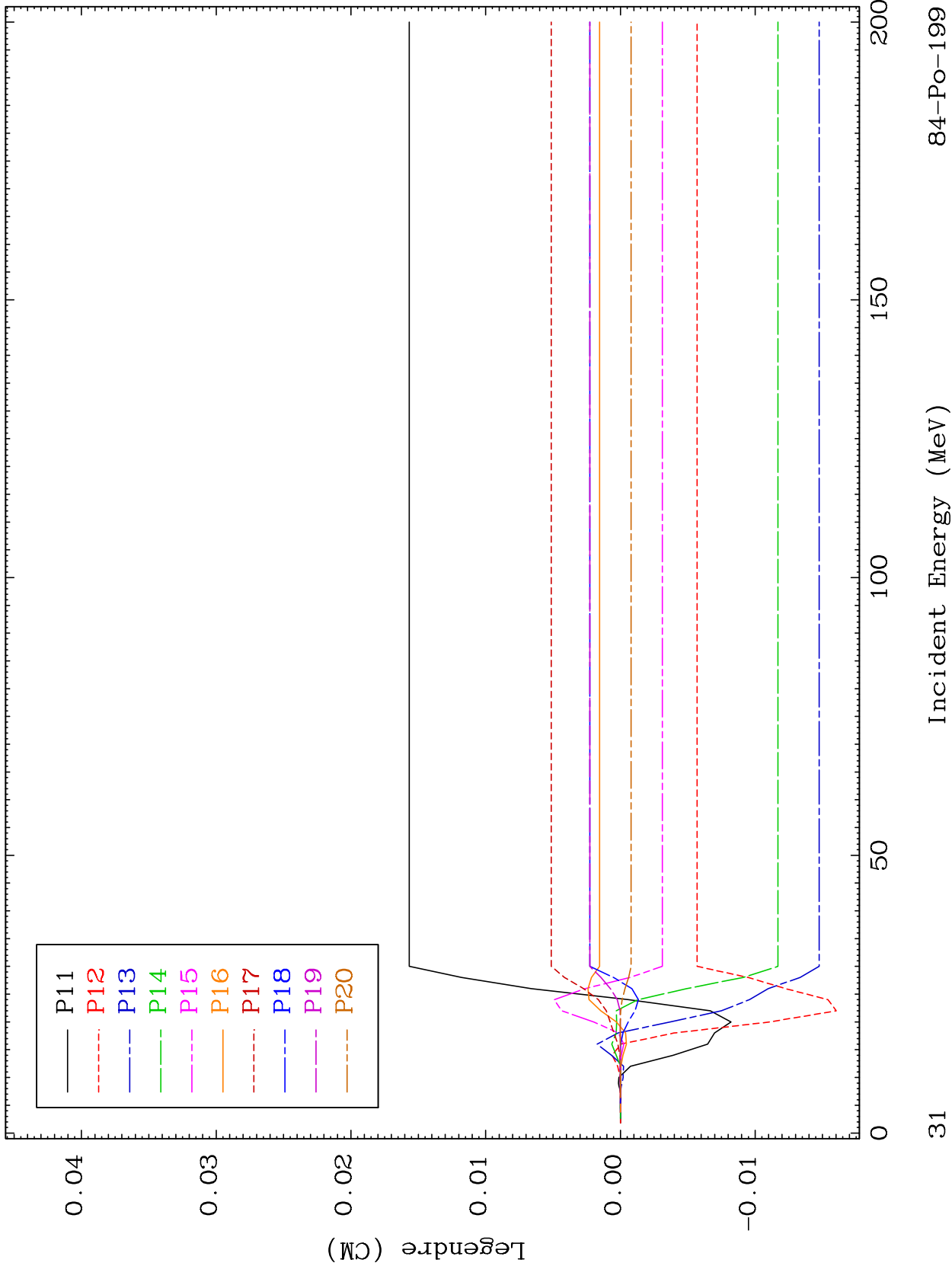
MAT 8404

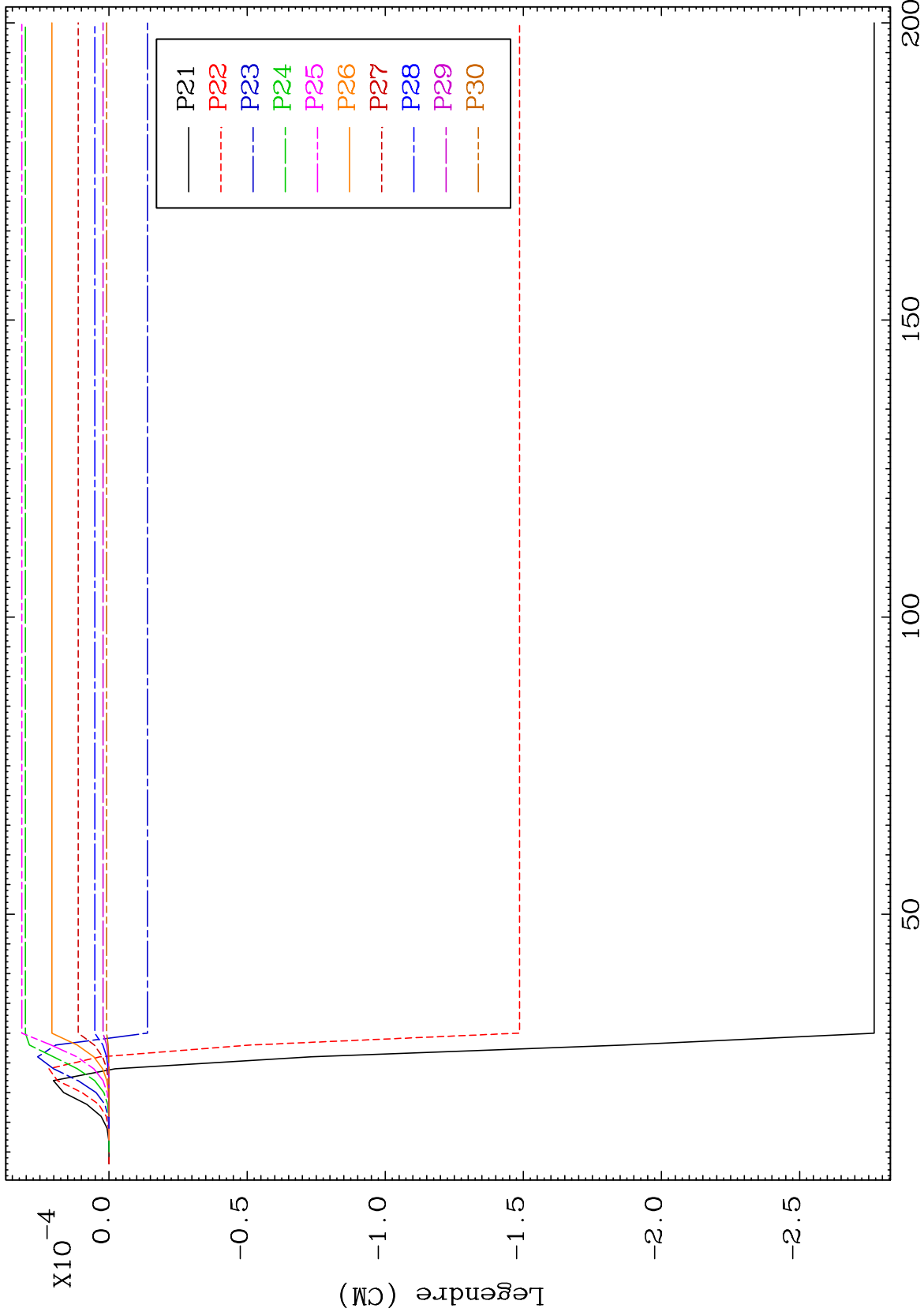
1.025 MeV (n,n') Level
Legendre Coefficients

84-Po-199



84-Po-199

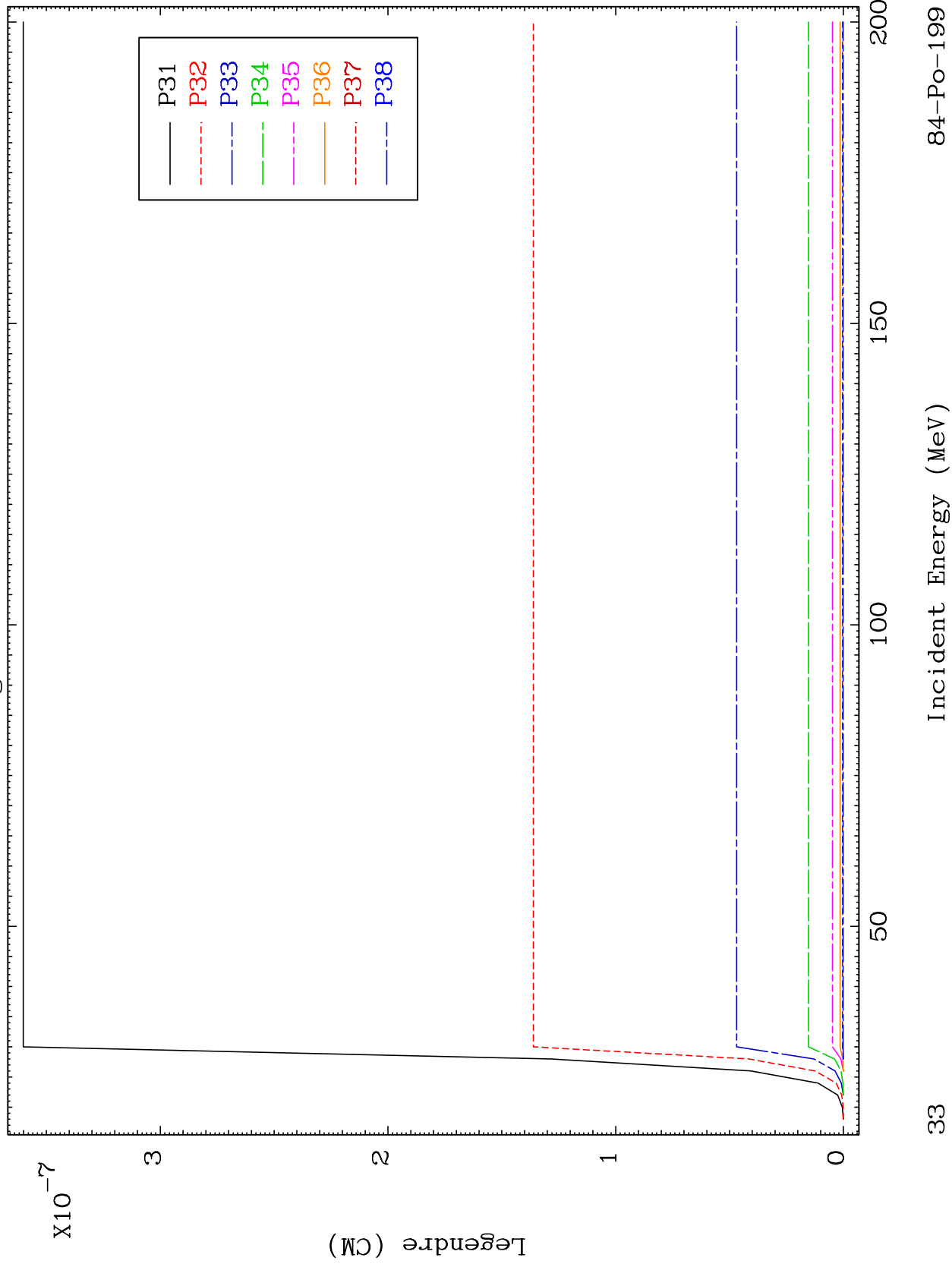




MAT 8404

1.025 MeV (n,n') Level
Legendre Coefficients

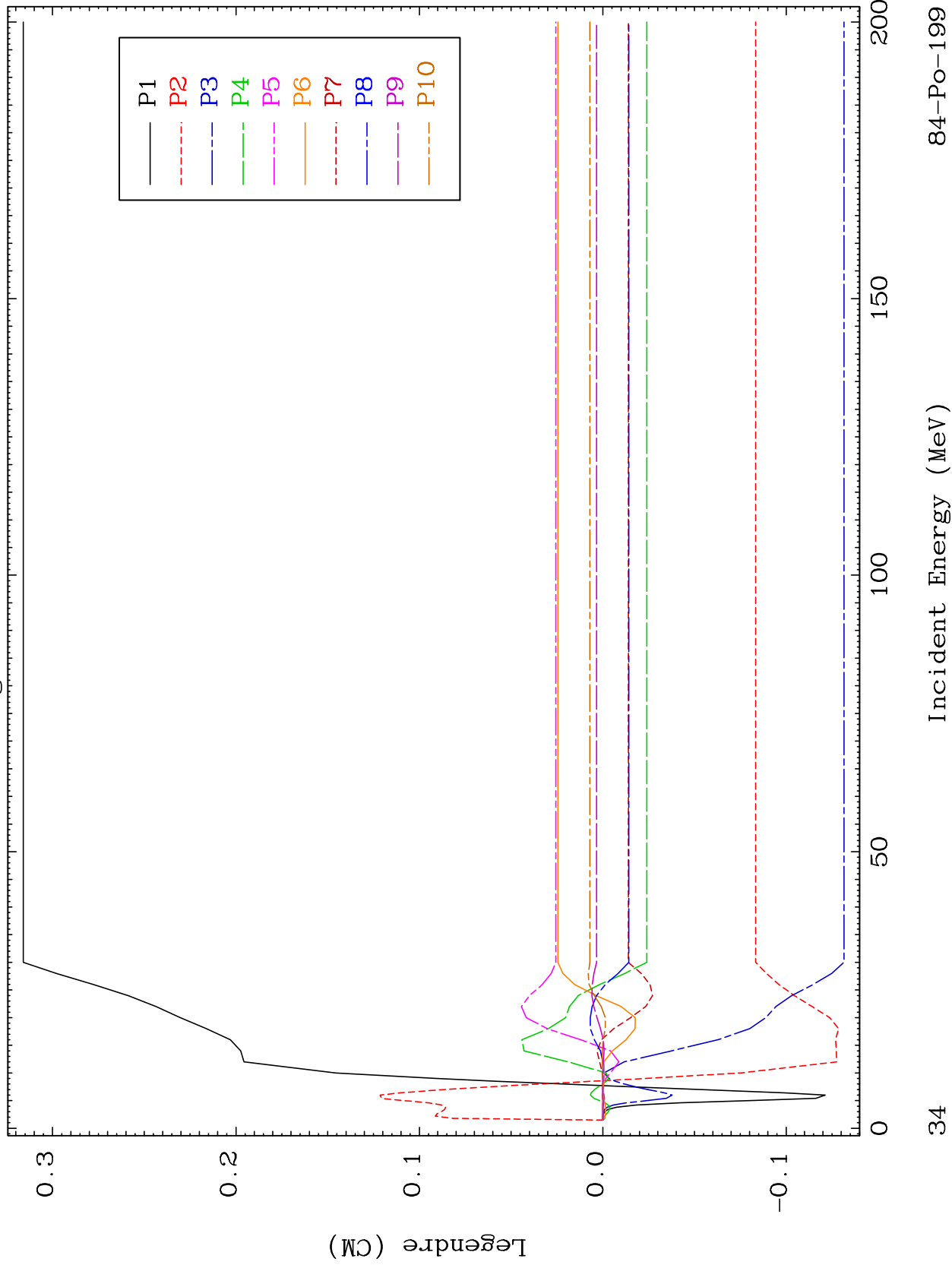
84-Po-199



MAT 8404

1.471 MeV (n,n') Level
Legendre Coefficients

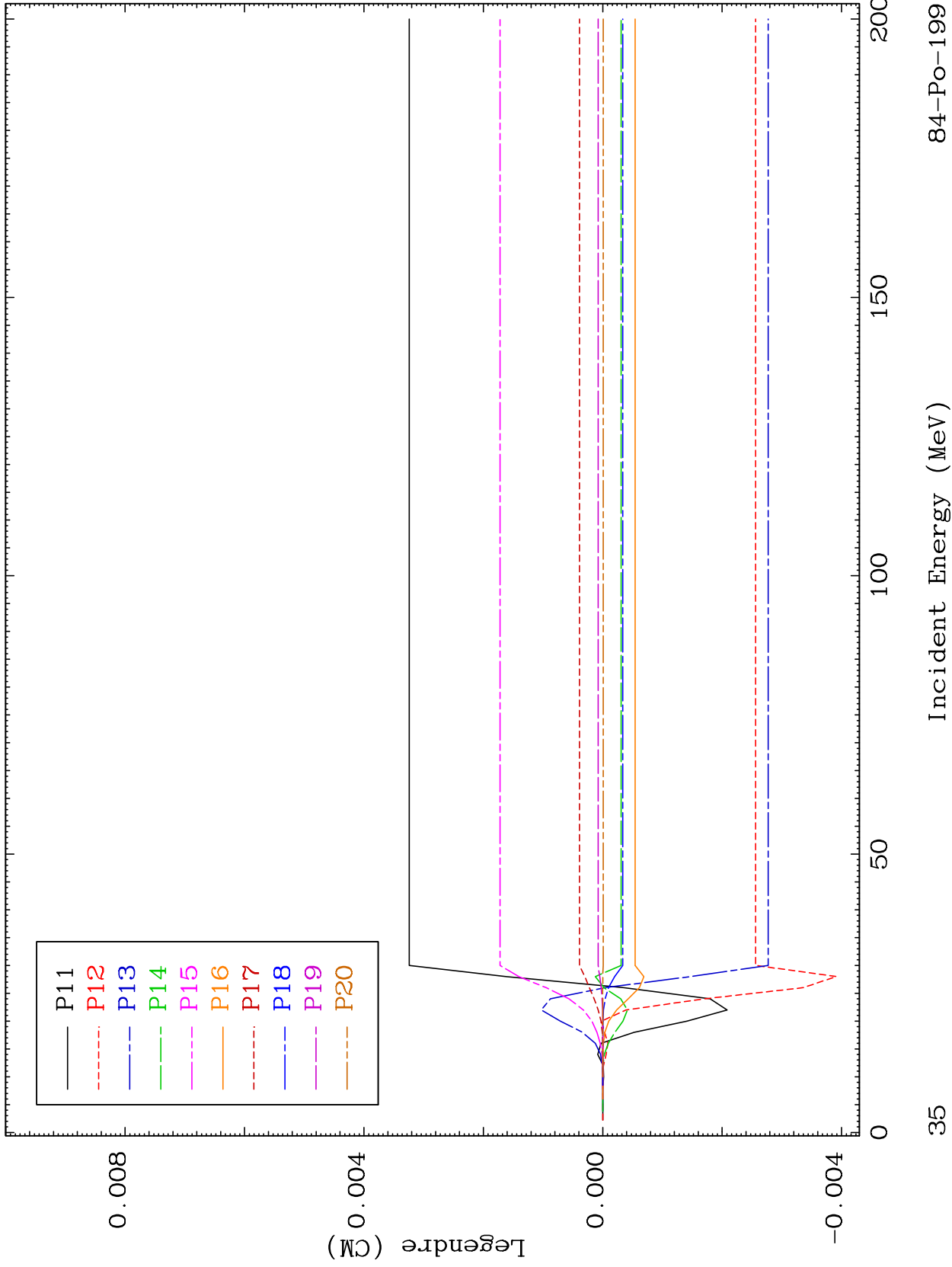
84-Po-199



MAT 8404

1.471 MeV (n, n') Level
Legendre Coefficients

84-Po-199



84-Po-199

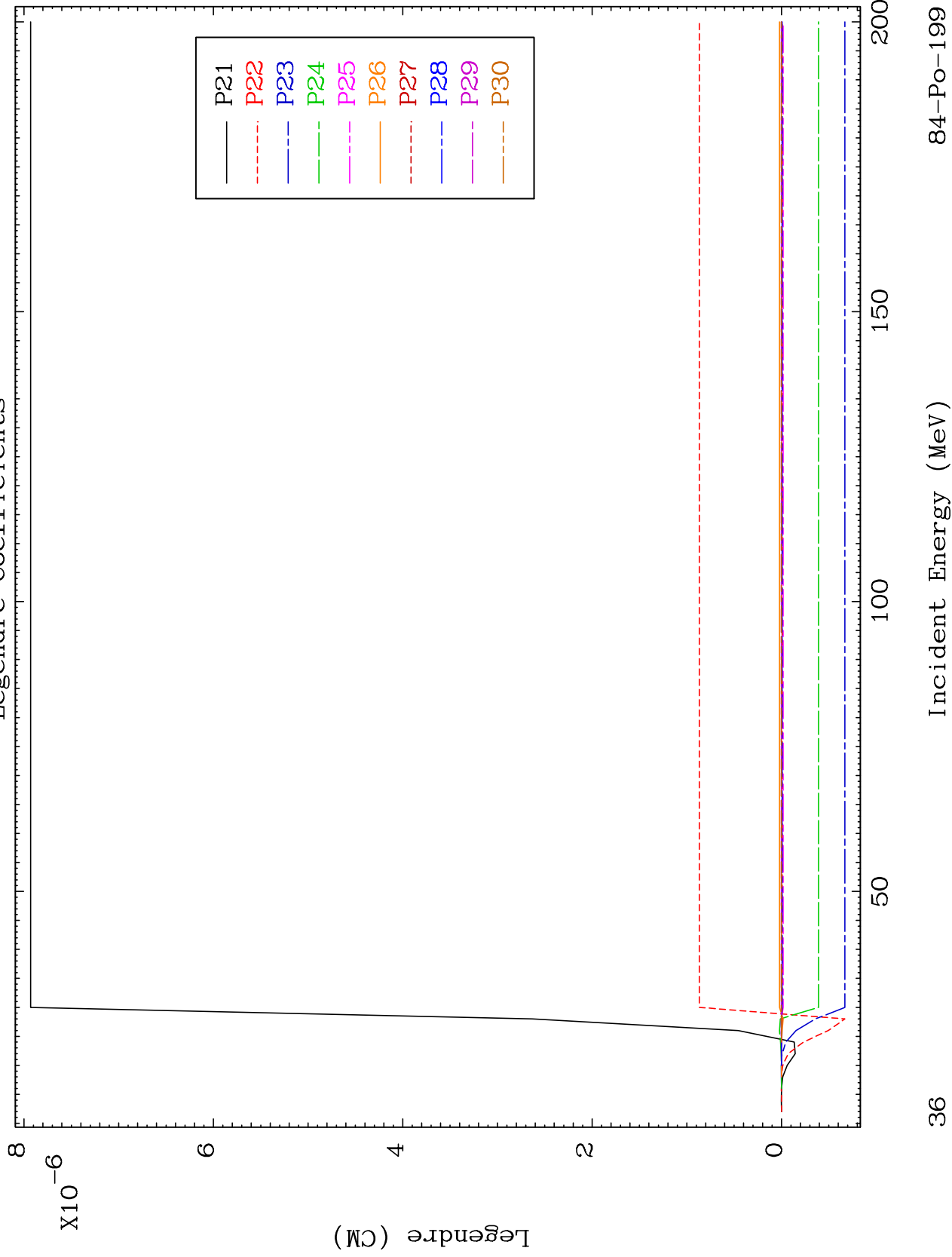
Incident Energy (MeV)

35

MAT 8404

1.471 MeV (n,n') Level
Legendre Coefficients

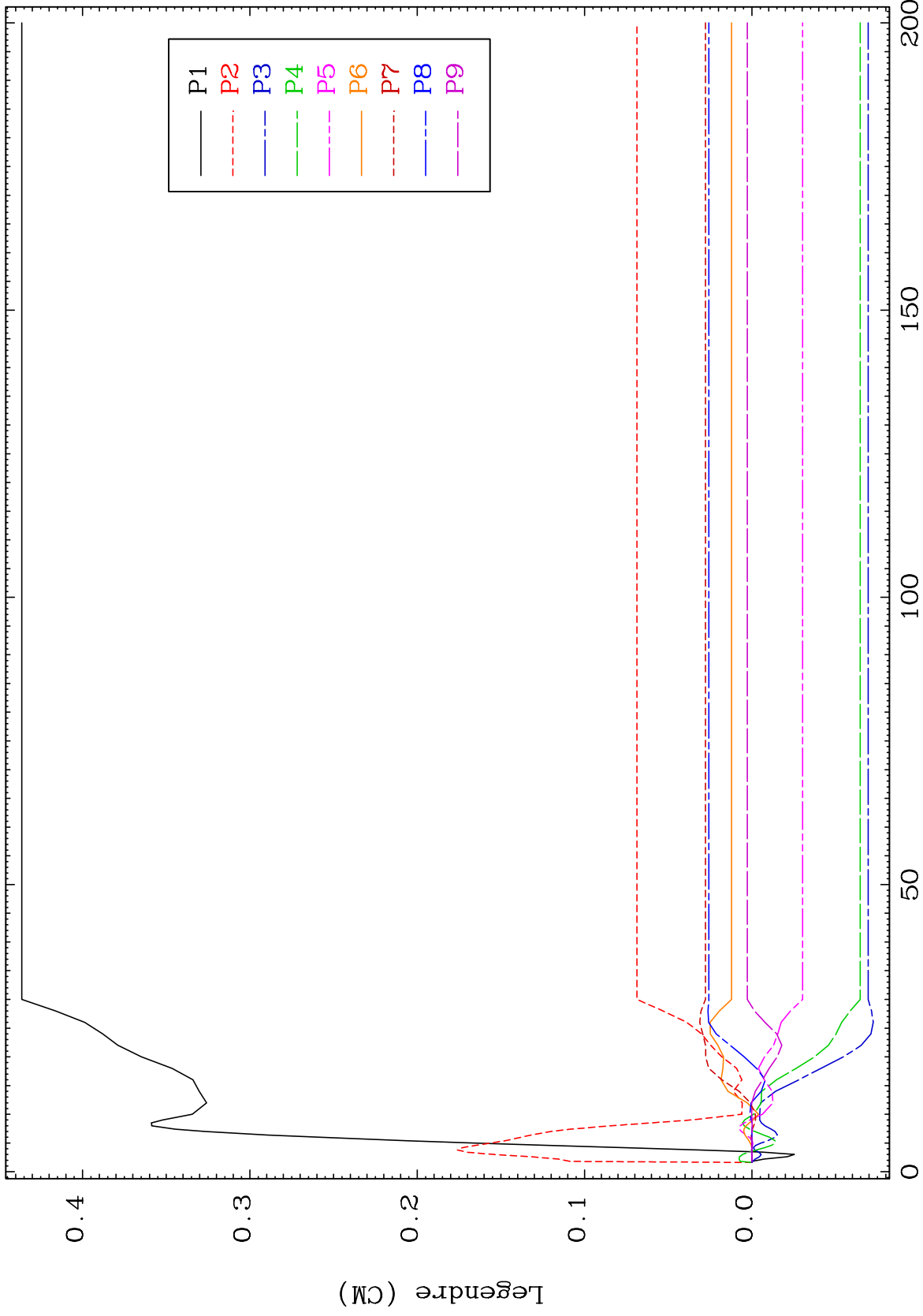
84-Po-199



MAT 8404

1.602 MeV (n, n') Level
Legendre Coefficients

84-Po-199



37

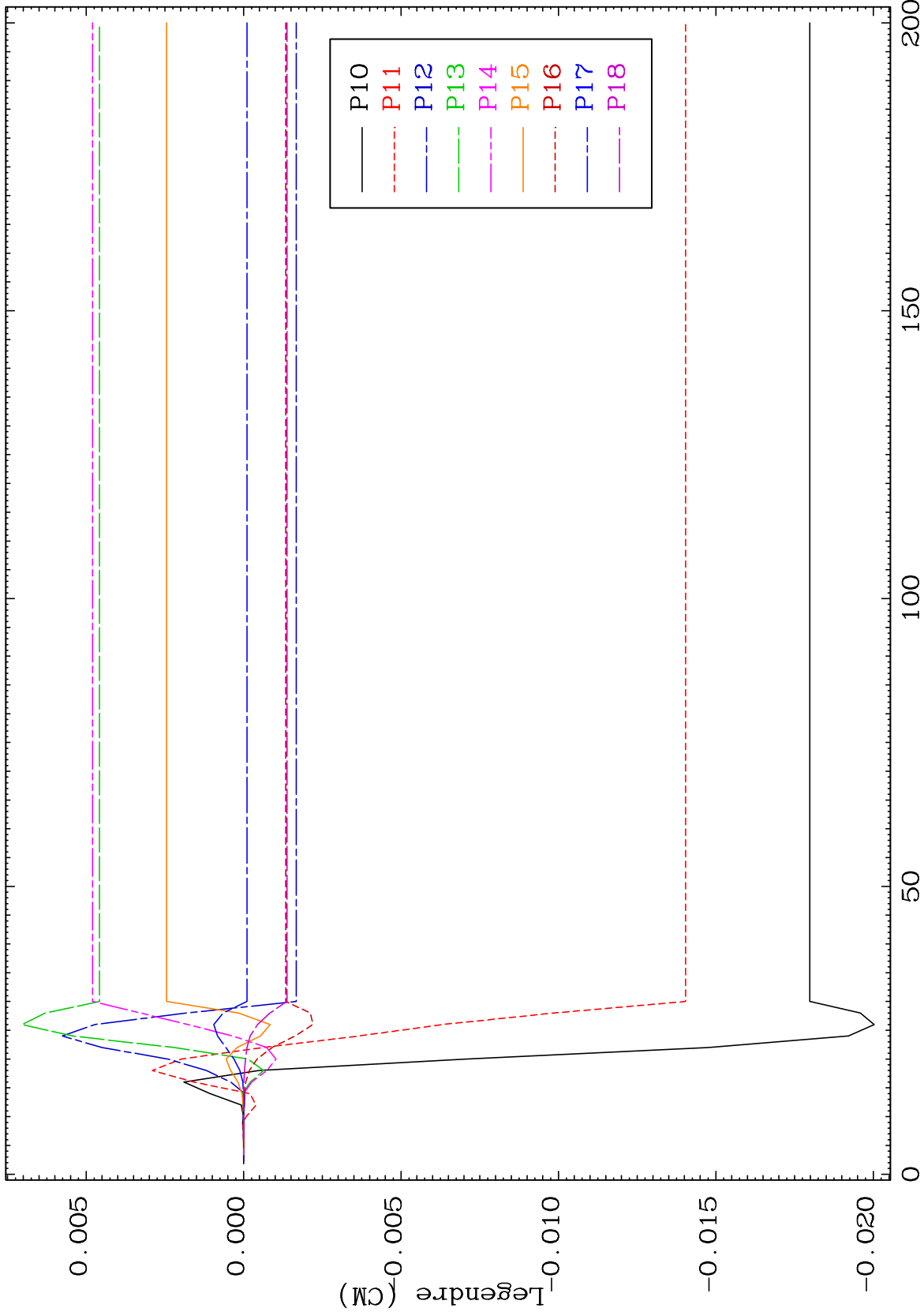
Incident Energy (MeV)

84-Po-199

MAT 8404

1.602 MeV (n,n') Level
Legendre Coefficients

84-Po-199



38

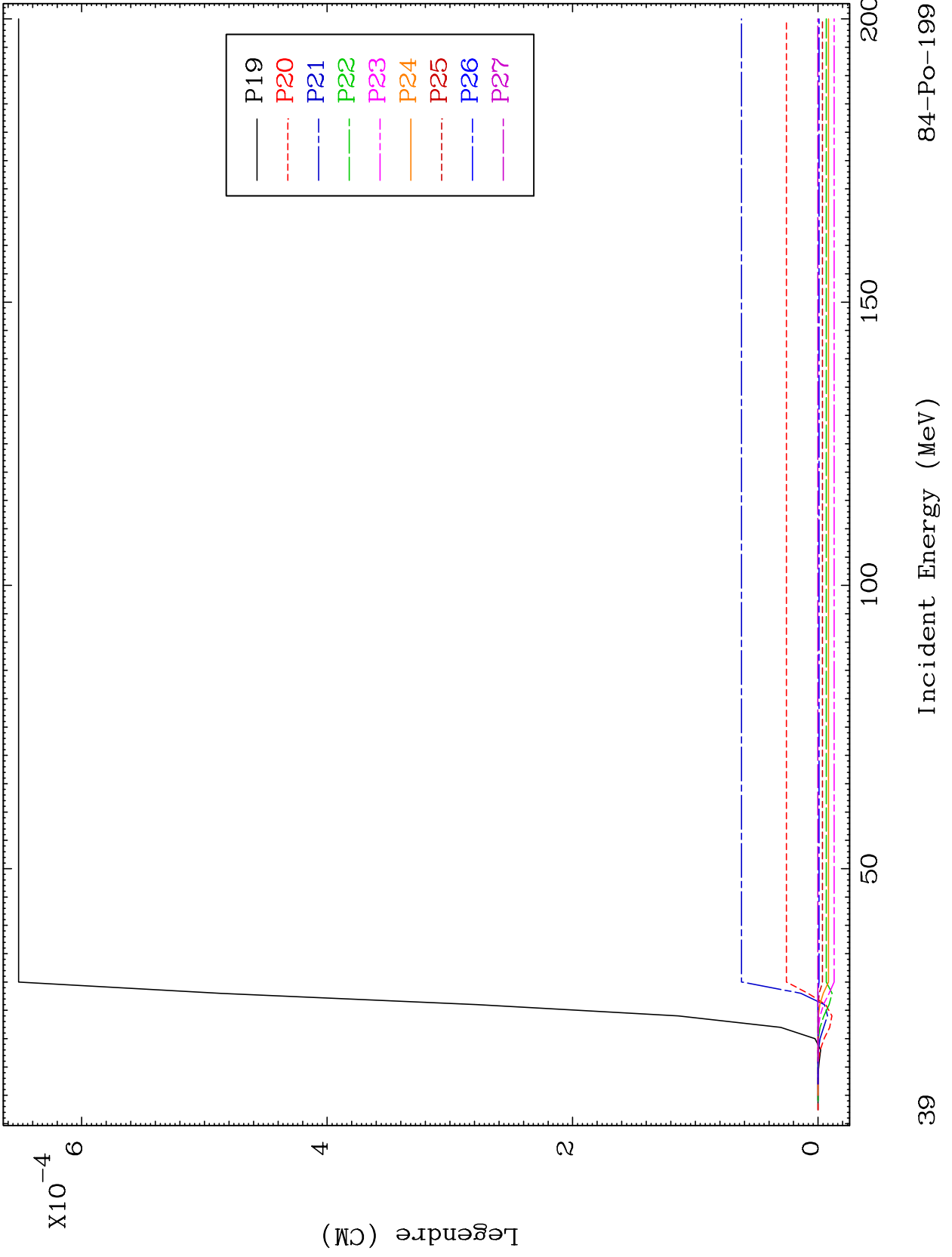
Incident Energy (MeV)

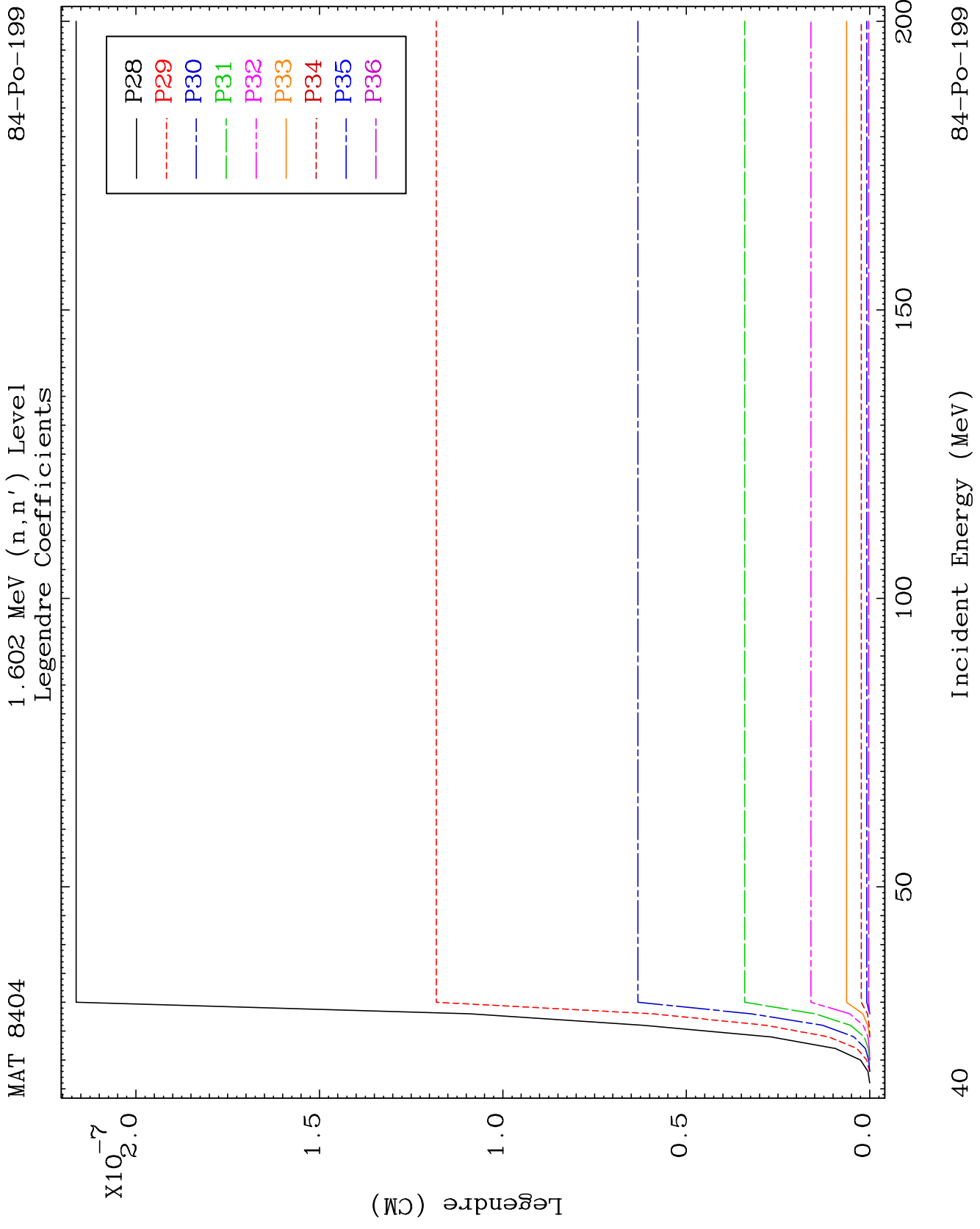
84-Po-199

MAT 8404

1.602 MeV (n,n') Level
Legendre Coefficients

84-Po-199

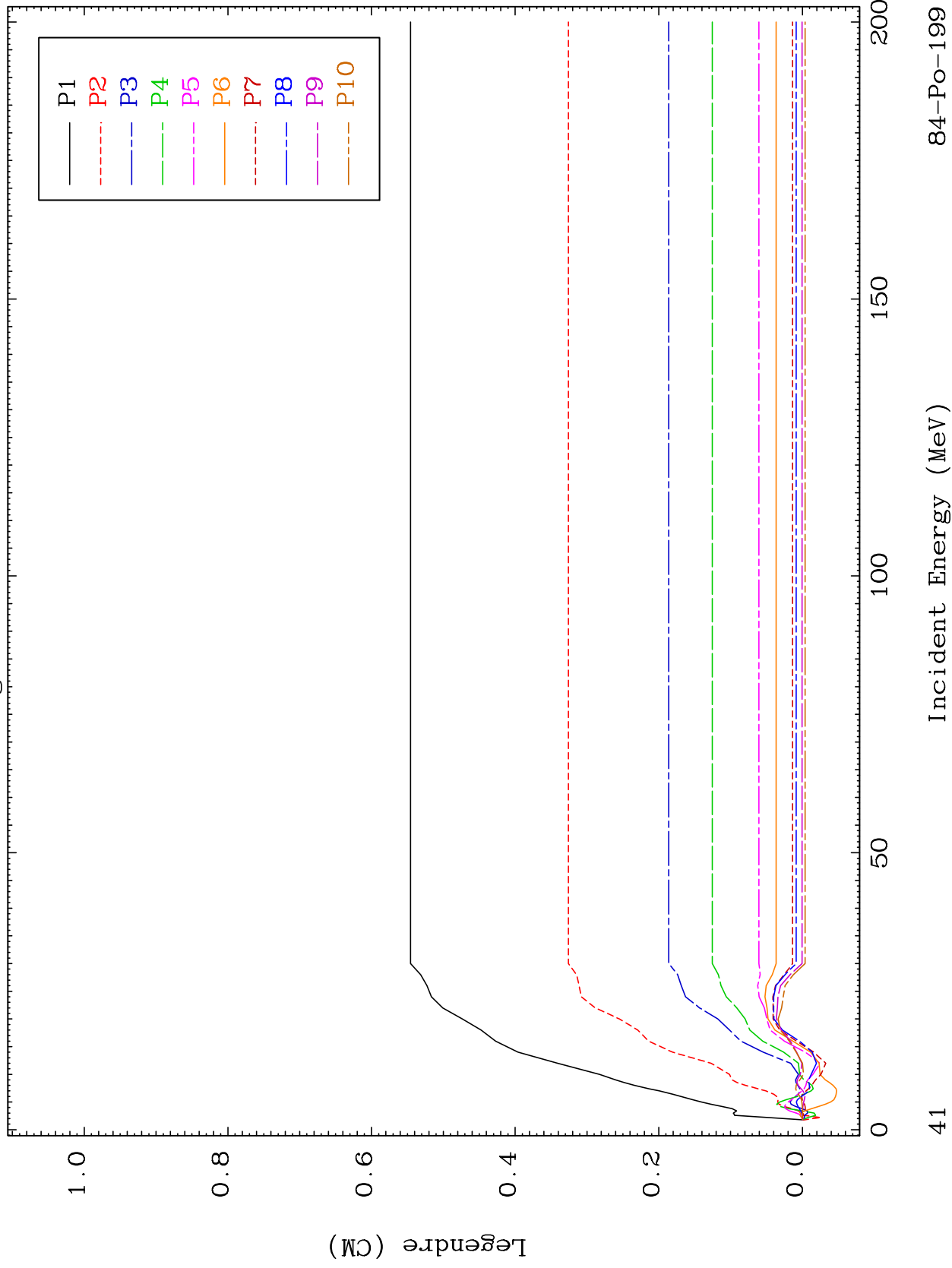




MAT 8404

1.728 MeV (n,n') Level
Legendre Coefficients

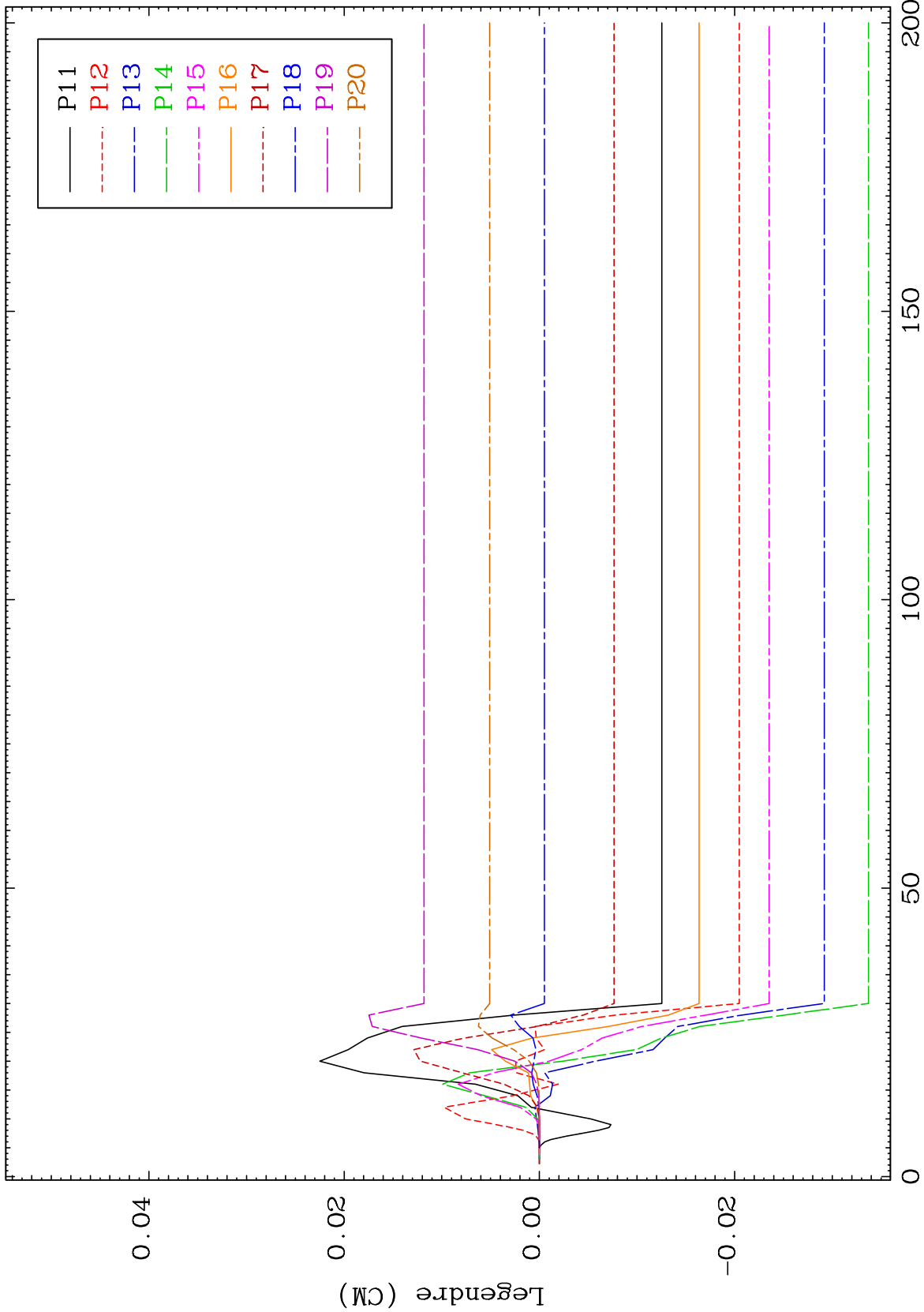
84-Po-199



MAT 8404

1.728 MeV (n,n') Level
Legendre Coefficients

84-Po-199



42

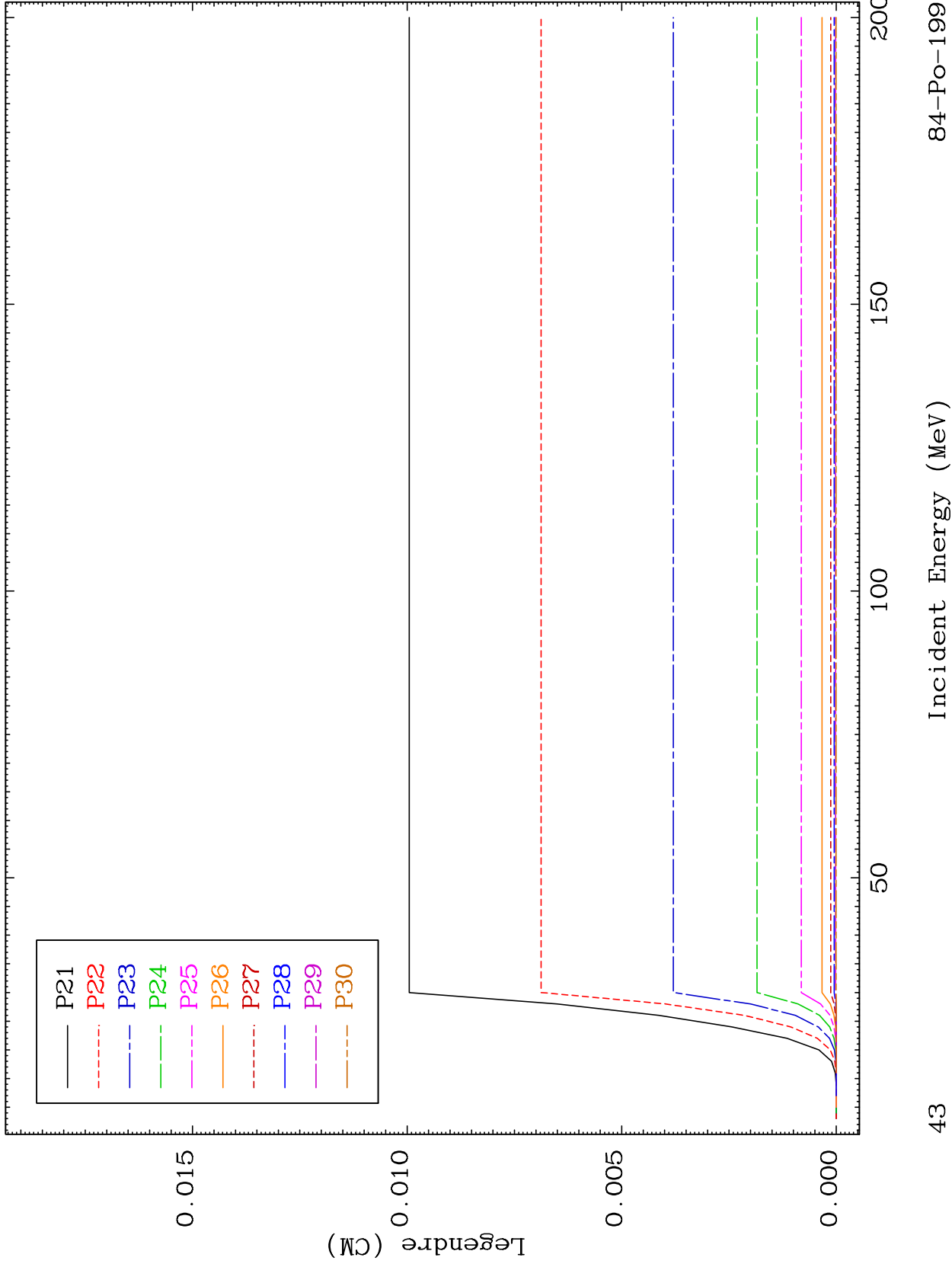
Incident Energy (MeV)

84-Po-199

MAT 8404

1.728 MeV (n,n') Level
Legendre Coefficients

84-Po-199



43

Incident Energy (MeV)

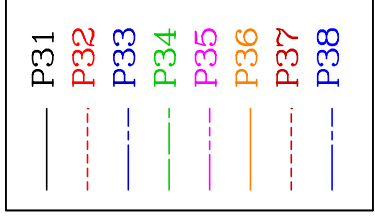
84-Po-199

MAT 8404

1.728 MeV (n,n') Level
Legendre Coefficients

84-Po-199

$\times 10^{-6}$



Legendre (CM)

1.5

1.0

0.5

0.0

50

100

150

200

44

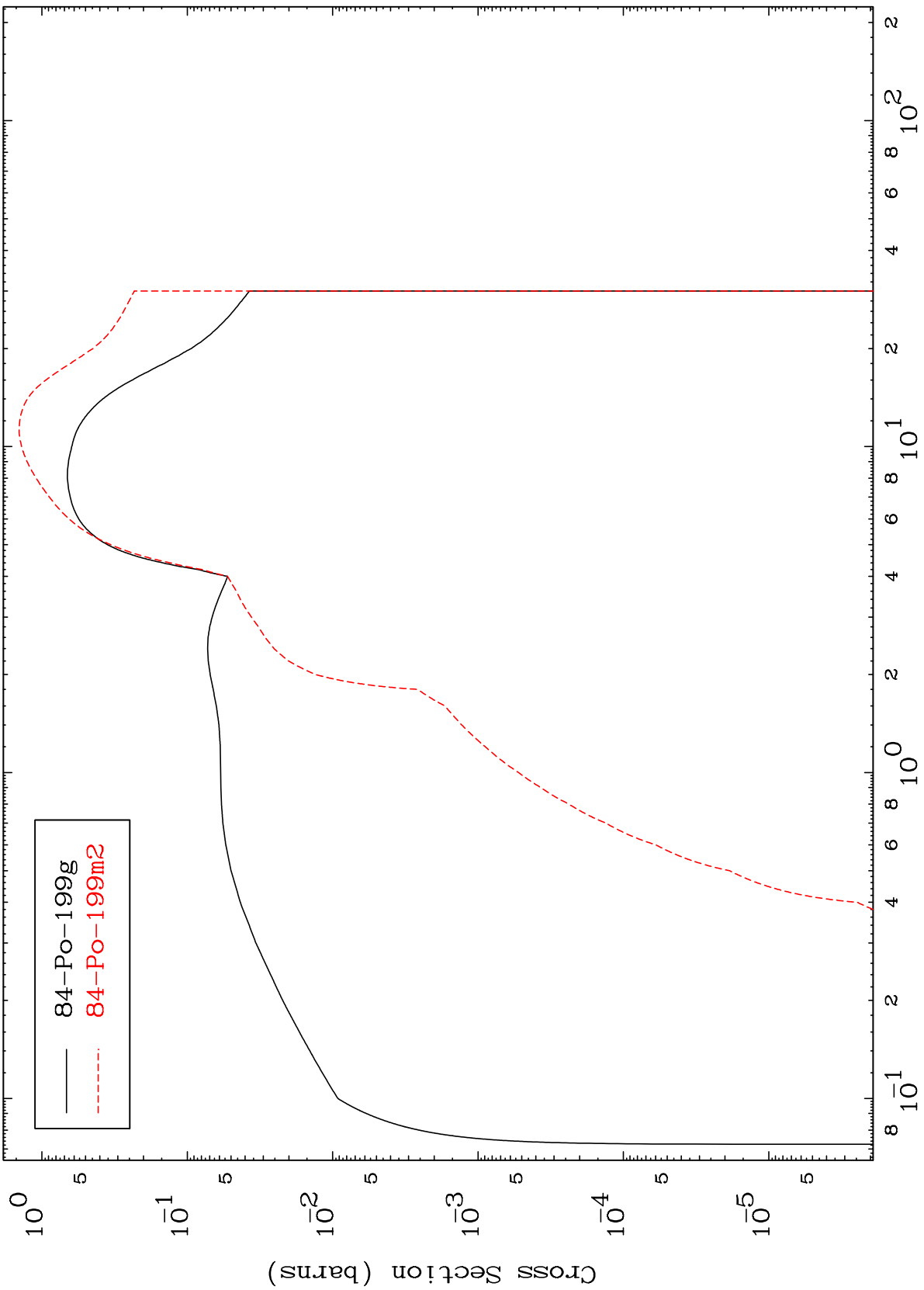
Incident Energy (MeV)

84-Po-199

MAT 8404

84-Po-199

Radionuclide Production Cross Section



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

84-Po-199

Incident Energy (MeV)

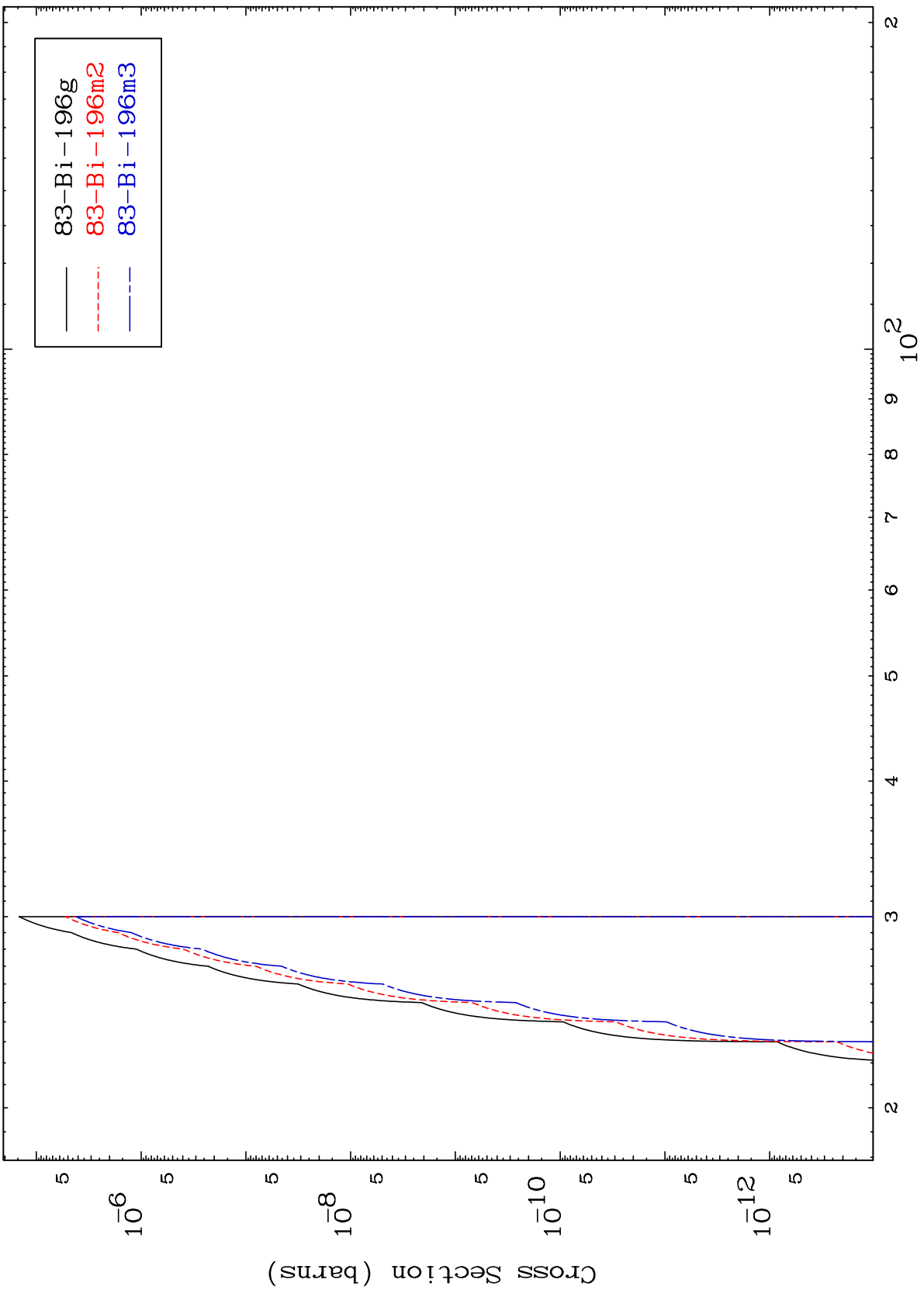
45

MAT 8404

(n,2n) d

84-Po-199

Radionuclide Production Cross Section



46

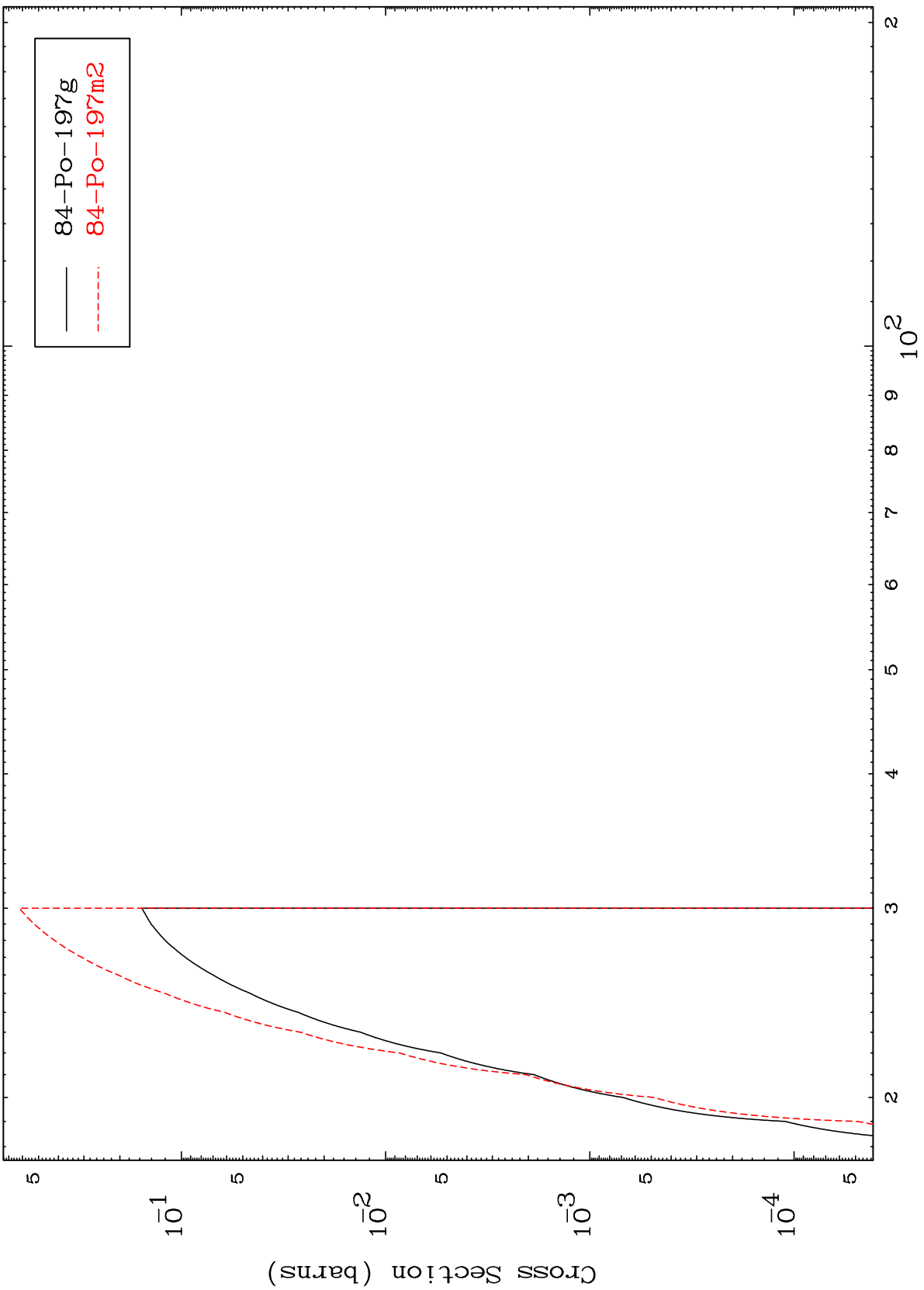
Incident Energy (MeV)

84-Po-199

MAT 8404

84-Po-199

(n,3n)
Radionuclide Production Cross Section



47

84-Po-199

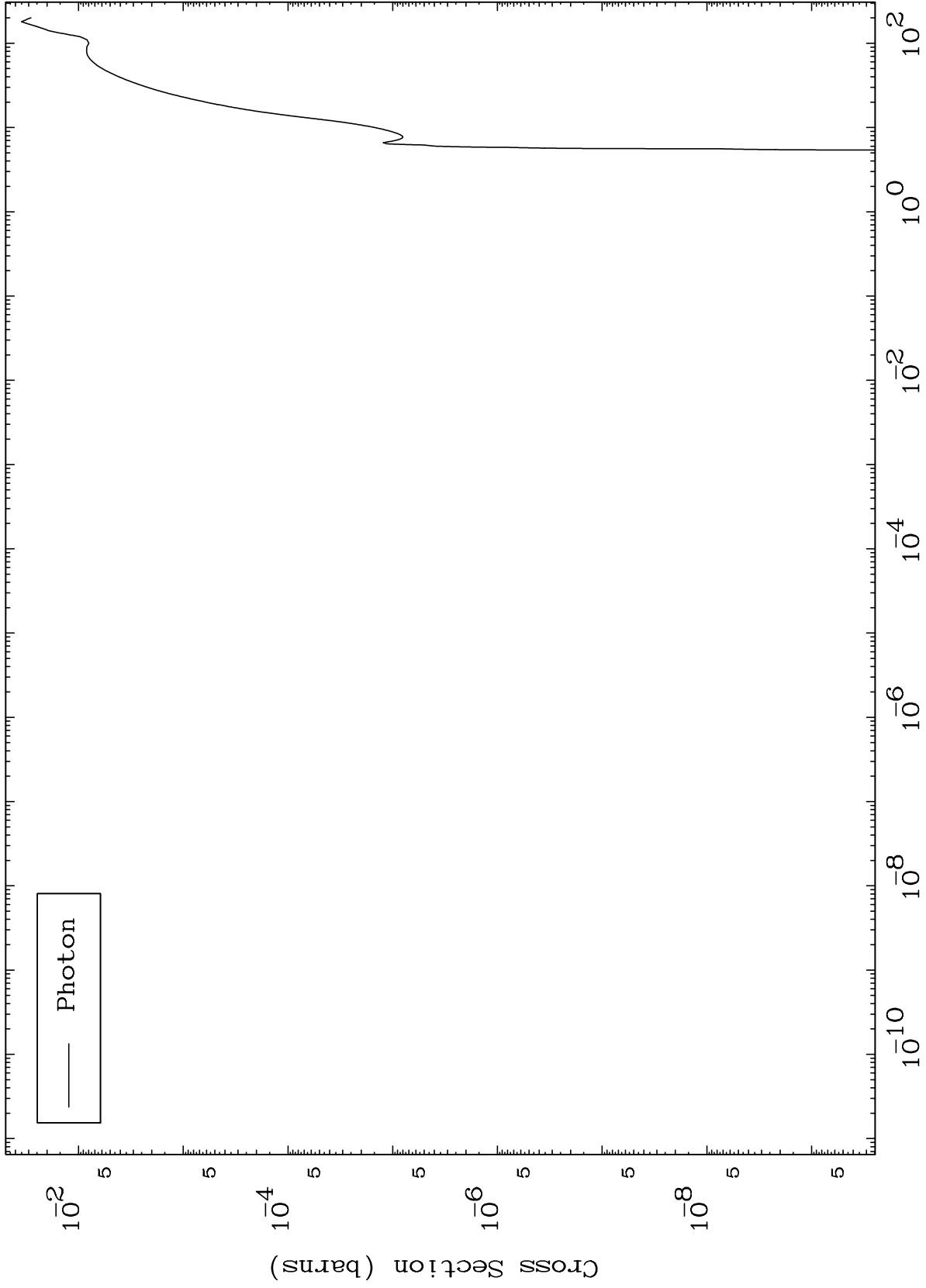
Incident Energy (MeV)

MAT 8404

Fission

84-Po-199

Radionuclide Production Cross Section



48

Incident Energy (MeV)

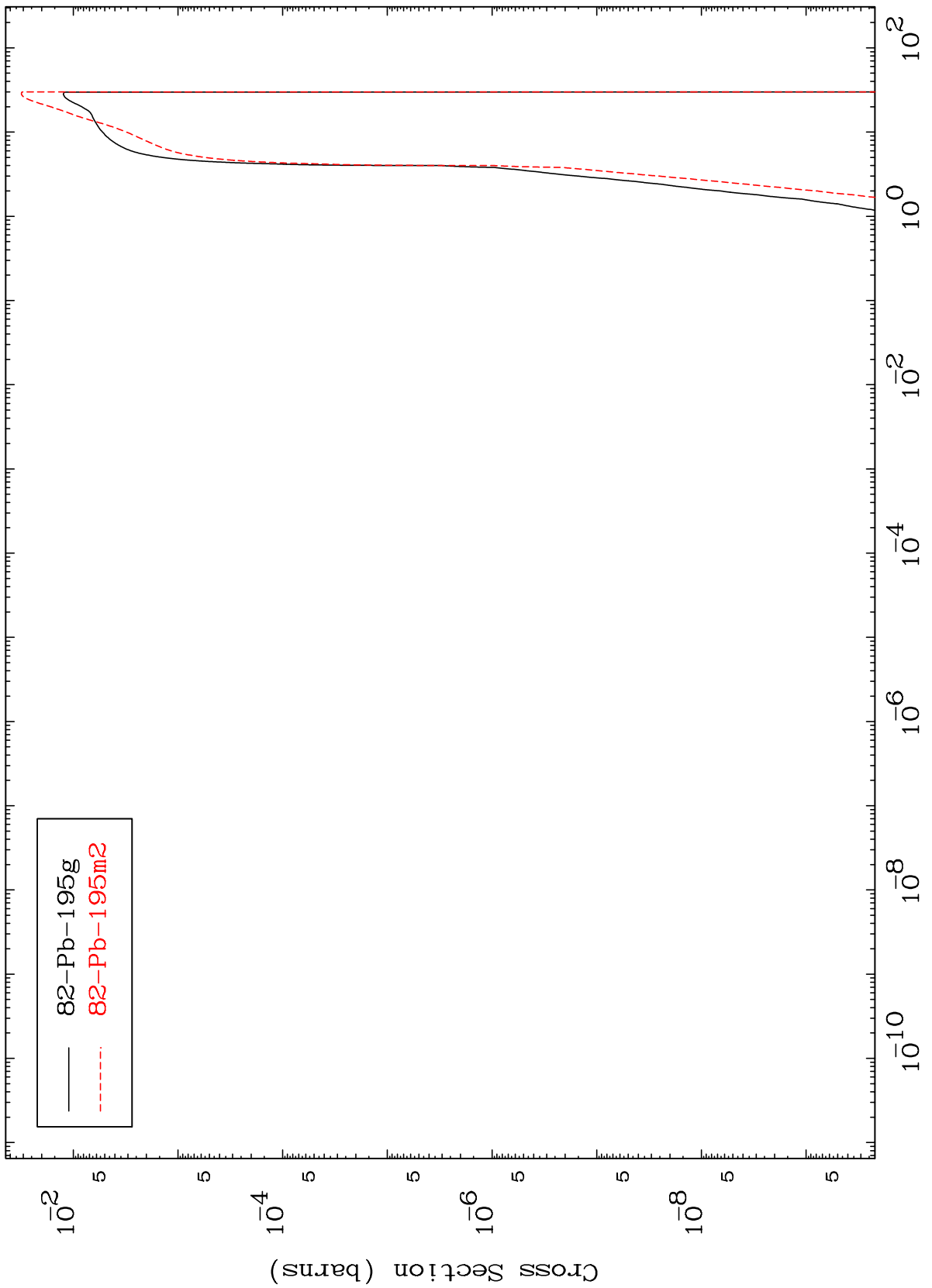
84-Po-199

MAT 8404

$(n, n') \alpha$

84-Po-199

Radionuclide Production Cross Section

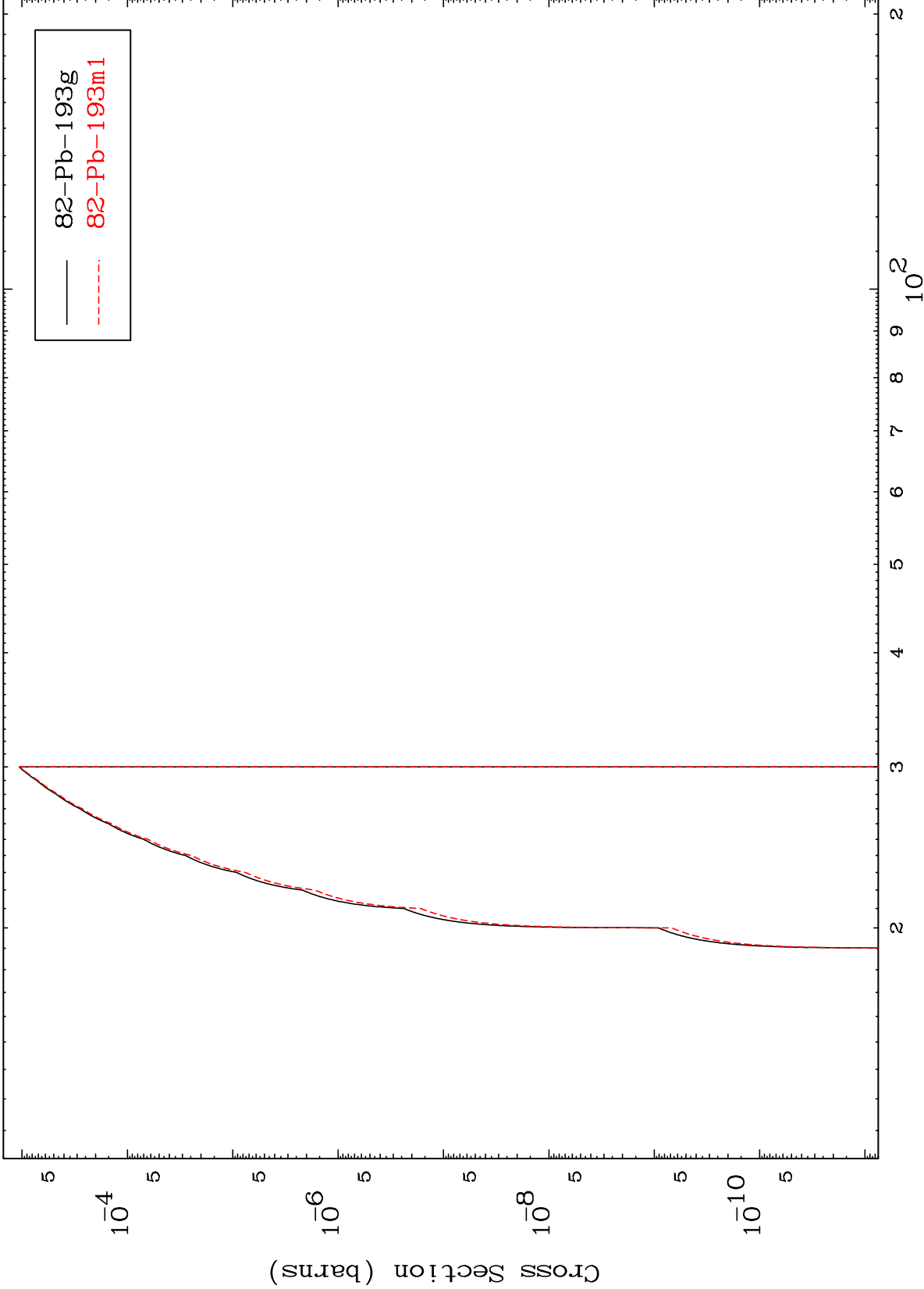


MAT 8404

(n,3n) α

84-Po-199

Radionuclide Production Cross Section

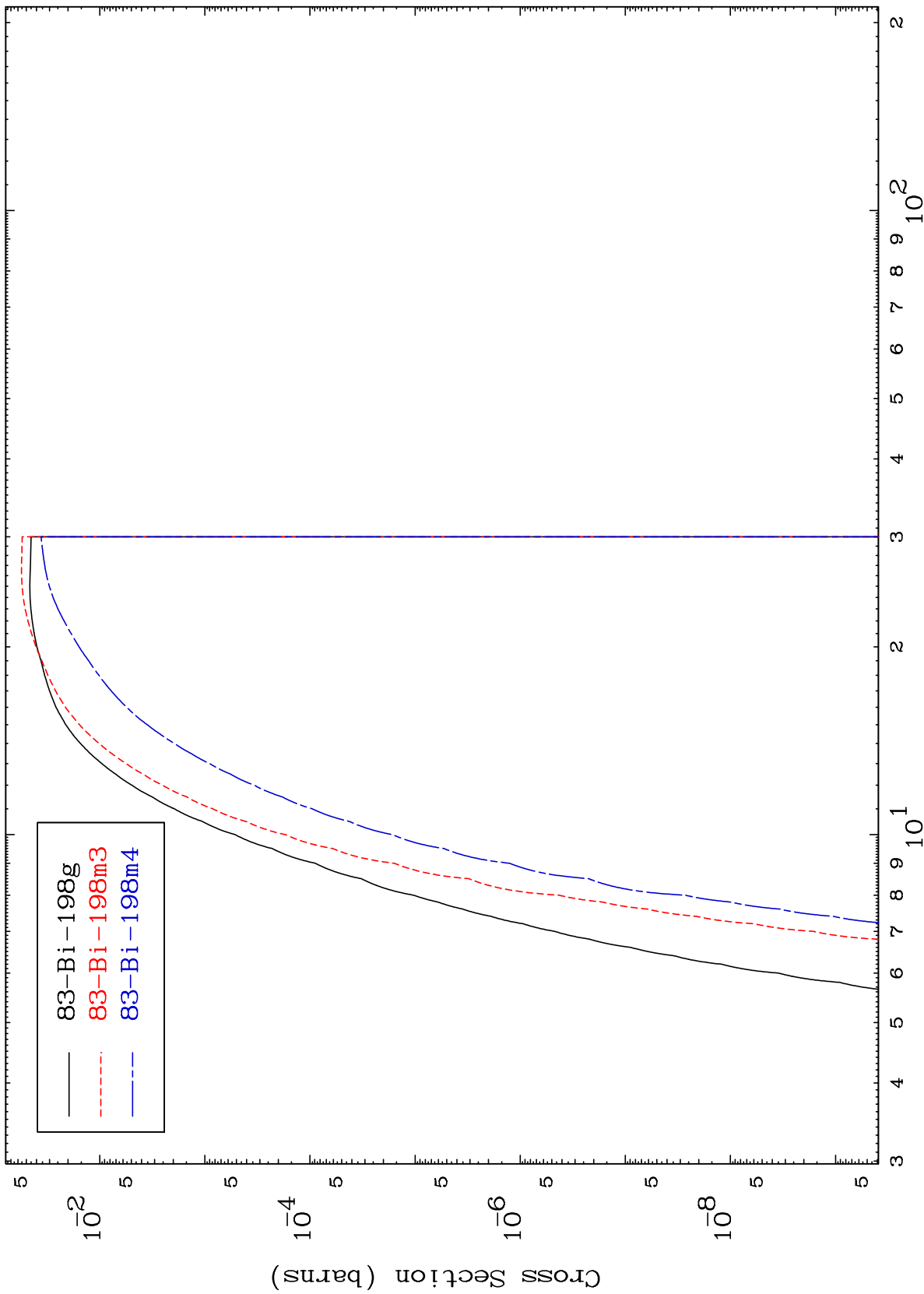


50

Incident Energy (MeV)

84-Po-199

Radionuclide Production Cross Section

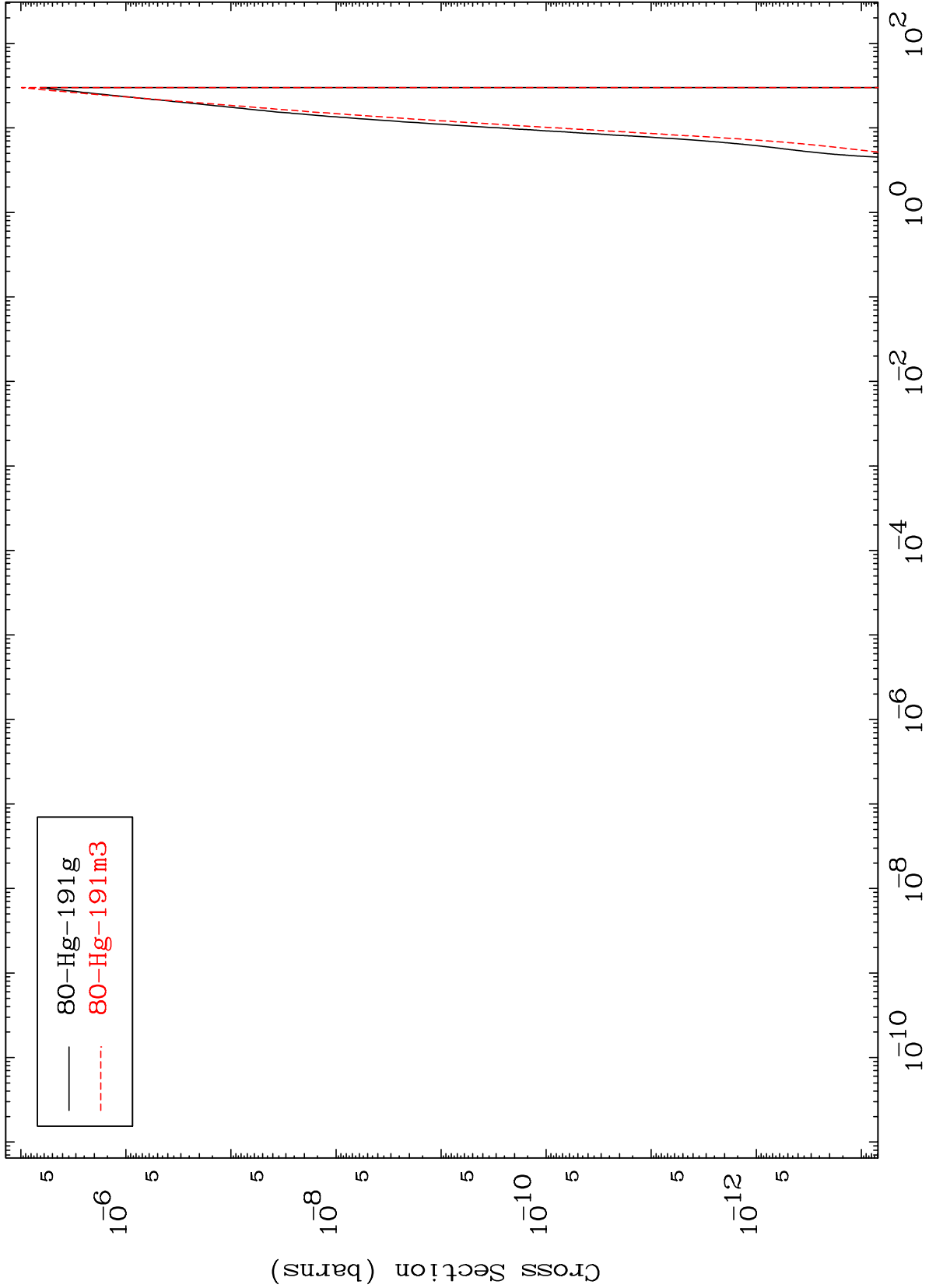


MAT 8404

(n,n') 2 α

84-Po-199

Radionuclide Production Cross Section



80-Hg-191g
80-Hg-191m3

Incident Energy (MeV)

84-Po-199

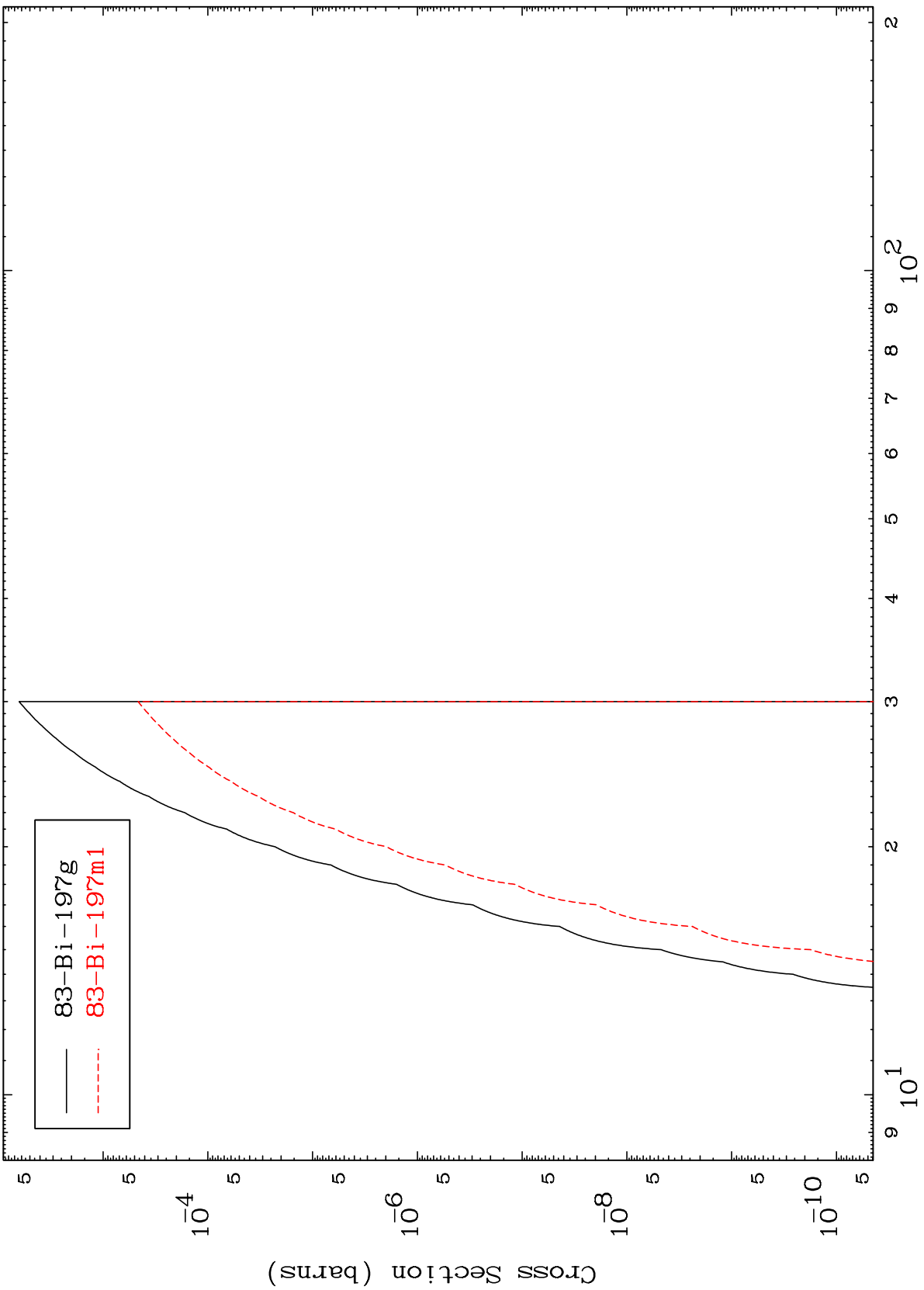
52

MAT 8404

(n,n') d

84-Po-199

Radionuclide Production Cross Section



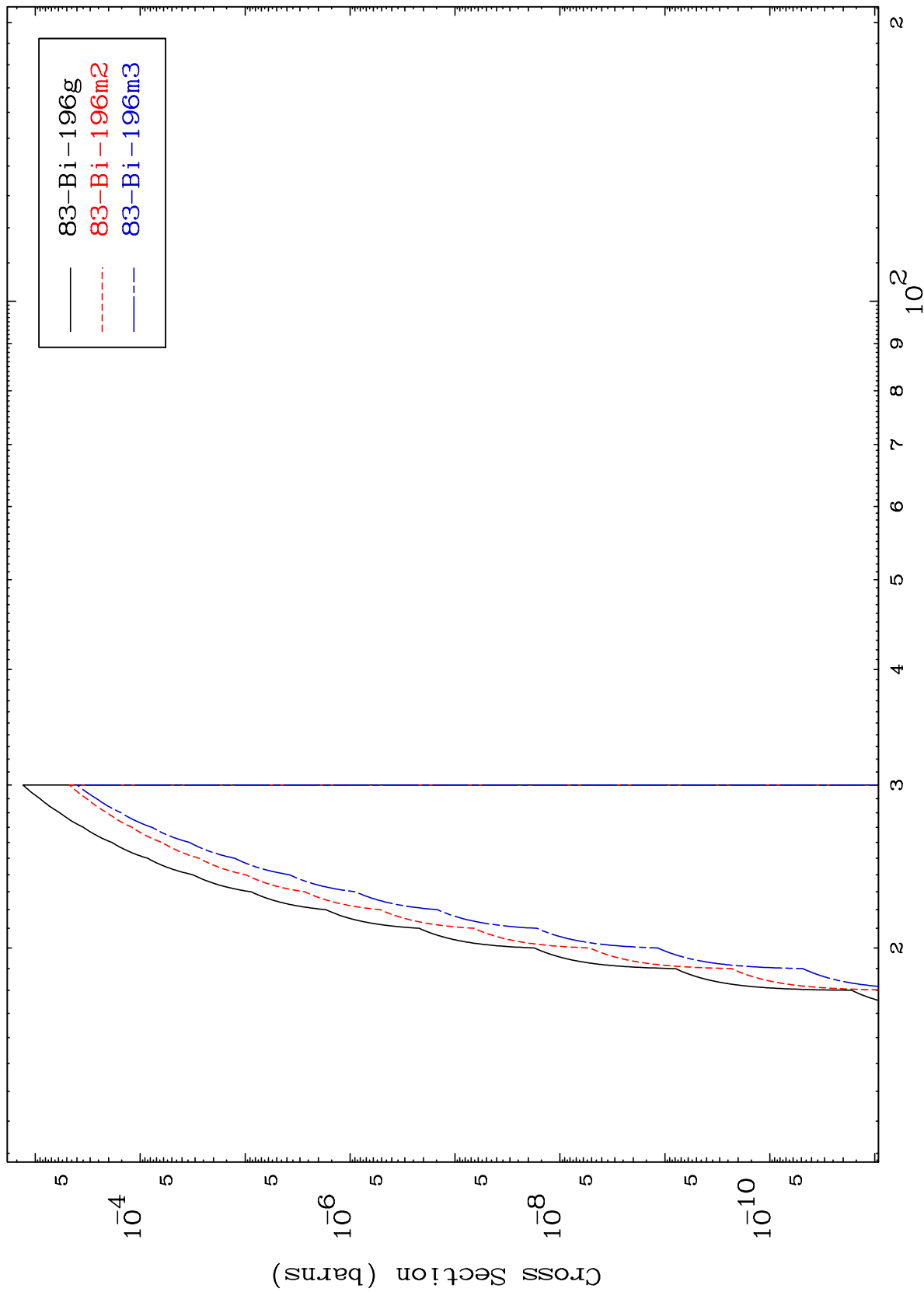
83-Bi-197g
83-Bi-197m1

53

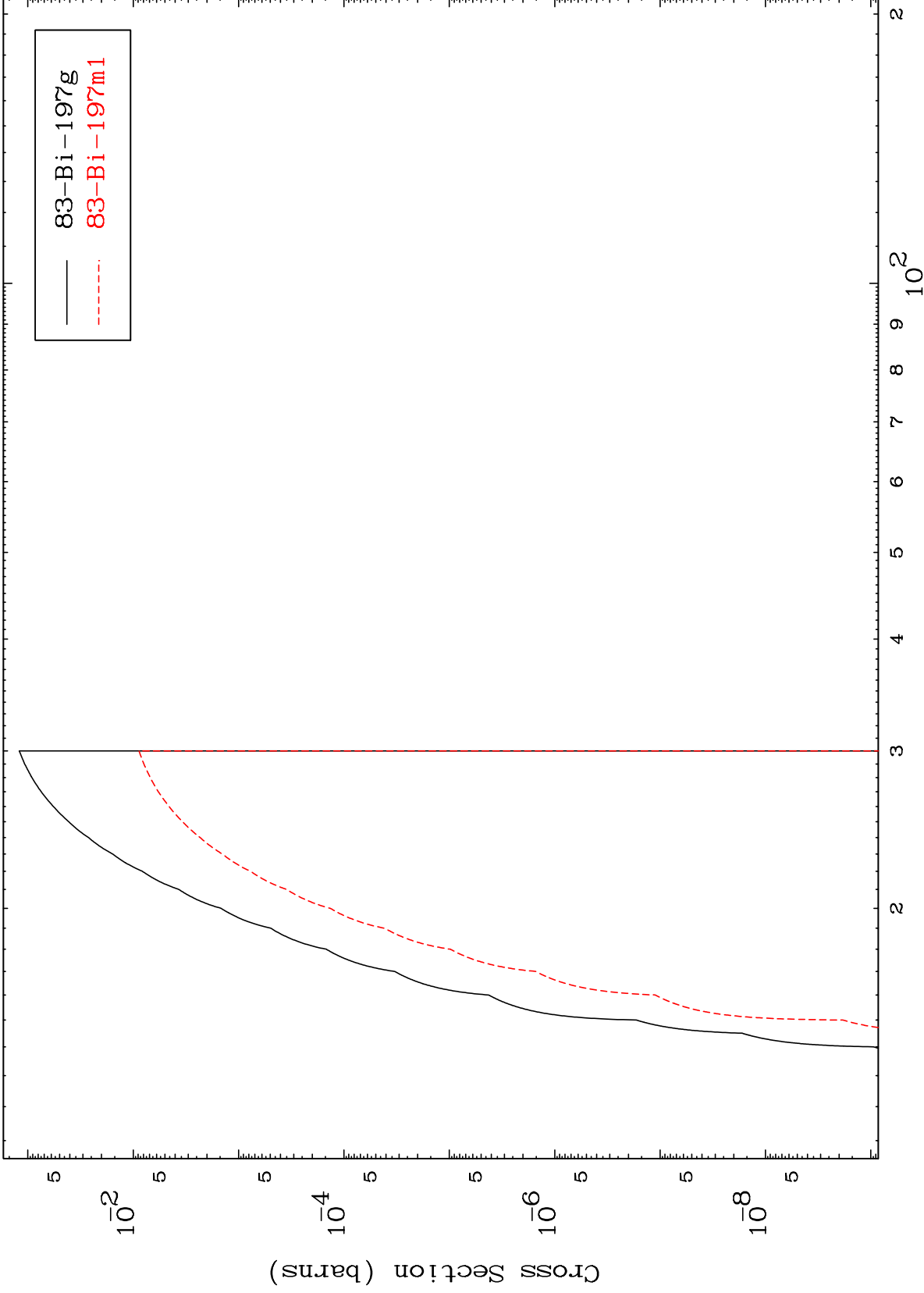
Incident Energy (MeV)

84-Po-199

Radionuclide Production Cross Section

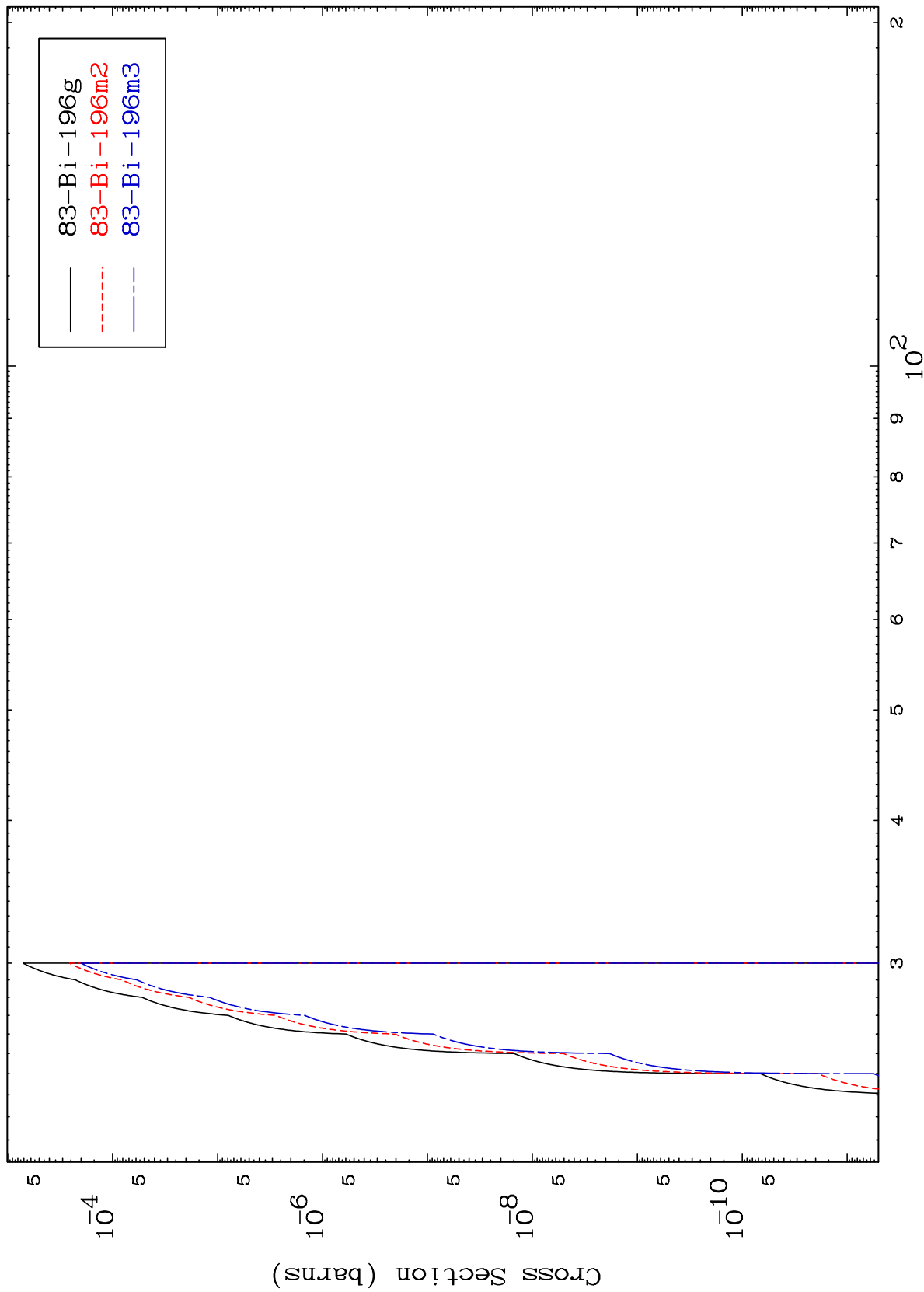


Radionuclide Production Cross Section



83-Bi-197g
83-Bi-197m1

Radionuclide Production Cross Section

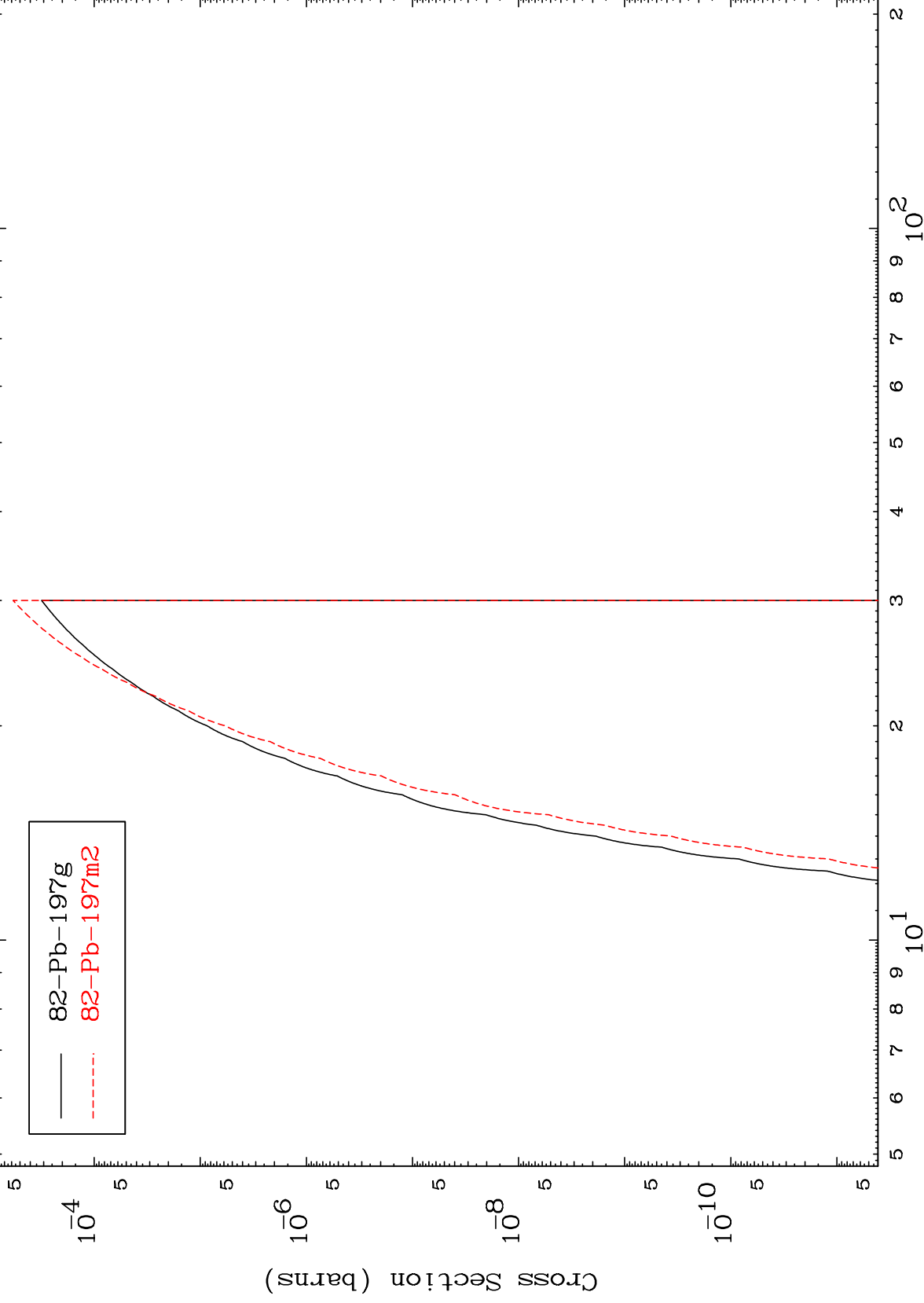


MAT 8404

(n,2n) p

84-Po-199

Radionuclide Production Cross Section

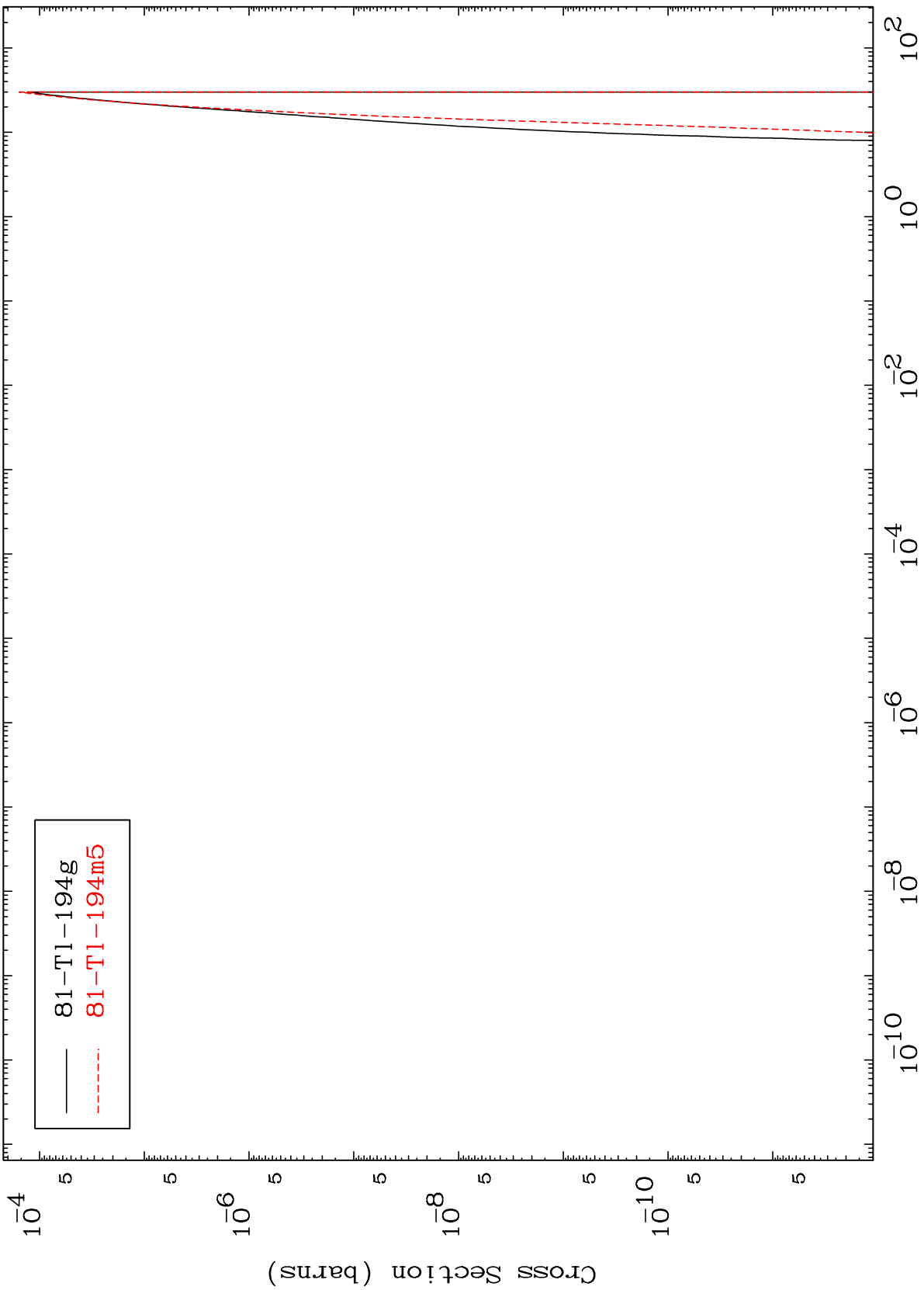


MAT 8404

(n,n') p α

84-Po-199

Radionuclide Production Cross Section

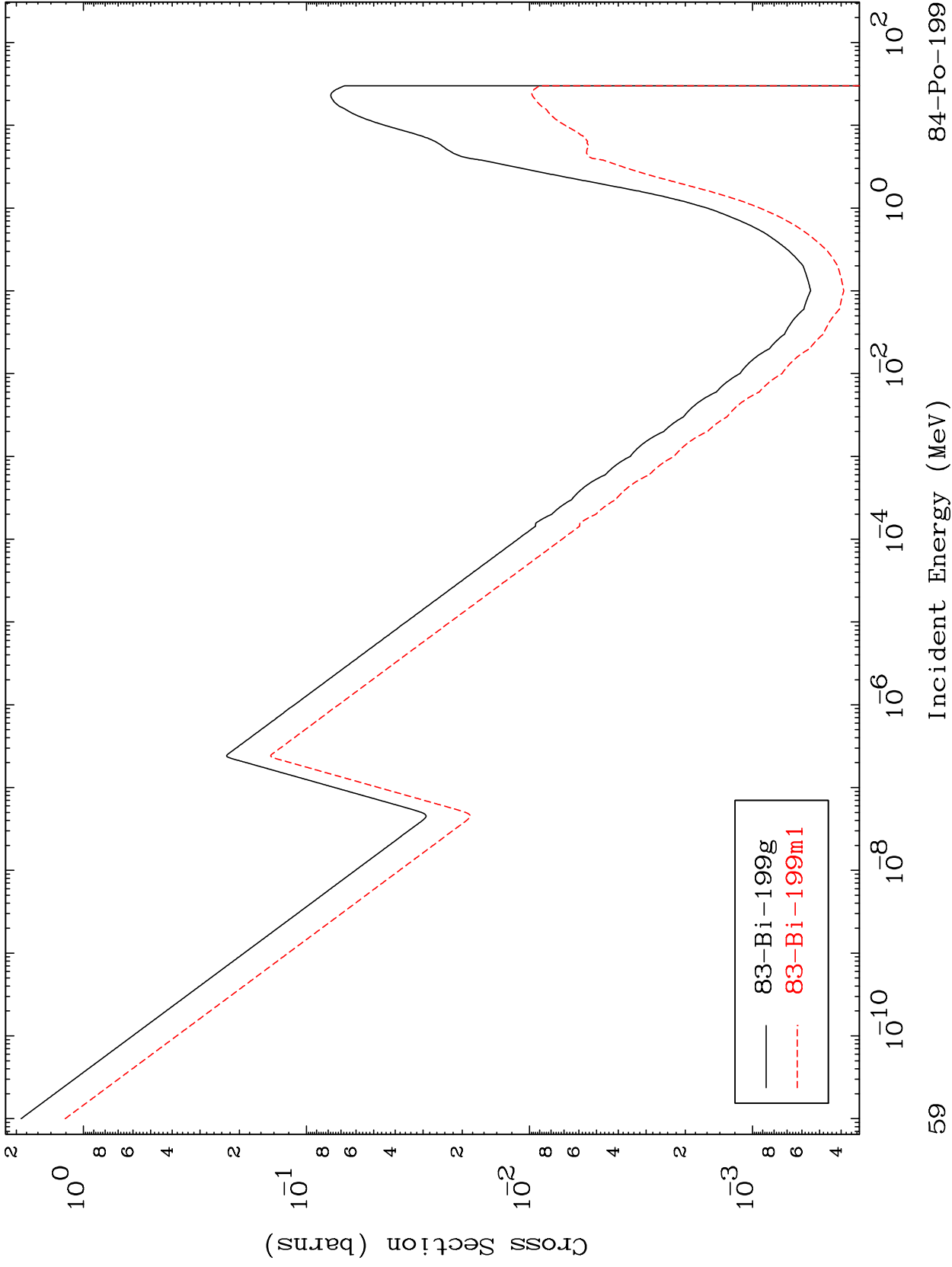


81-Tl-194g
81-Tl-194m5

MAT 8404

84-Po-199

(n,p)
Radionuclide Production Cross Section

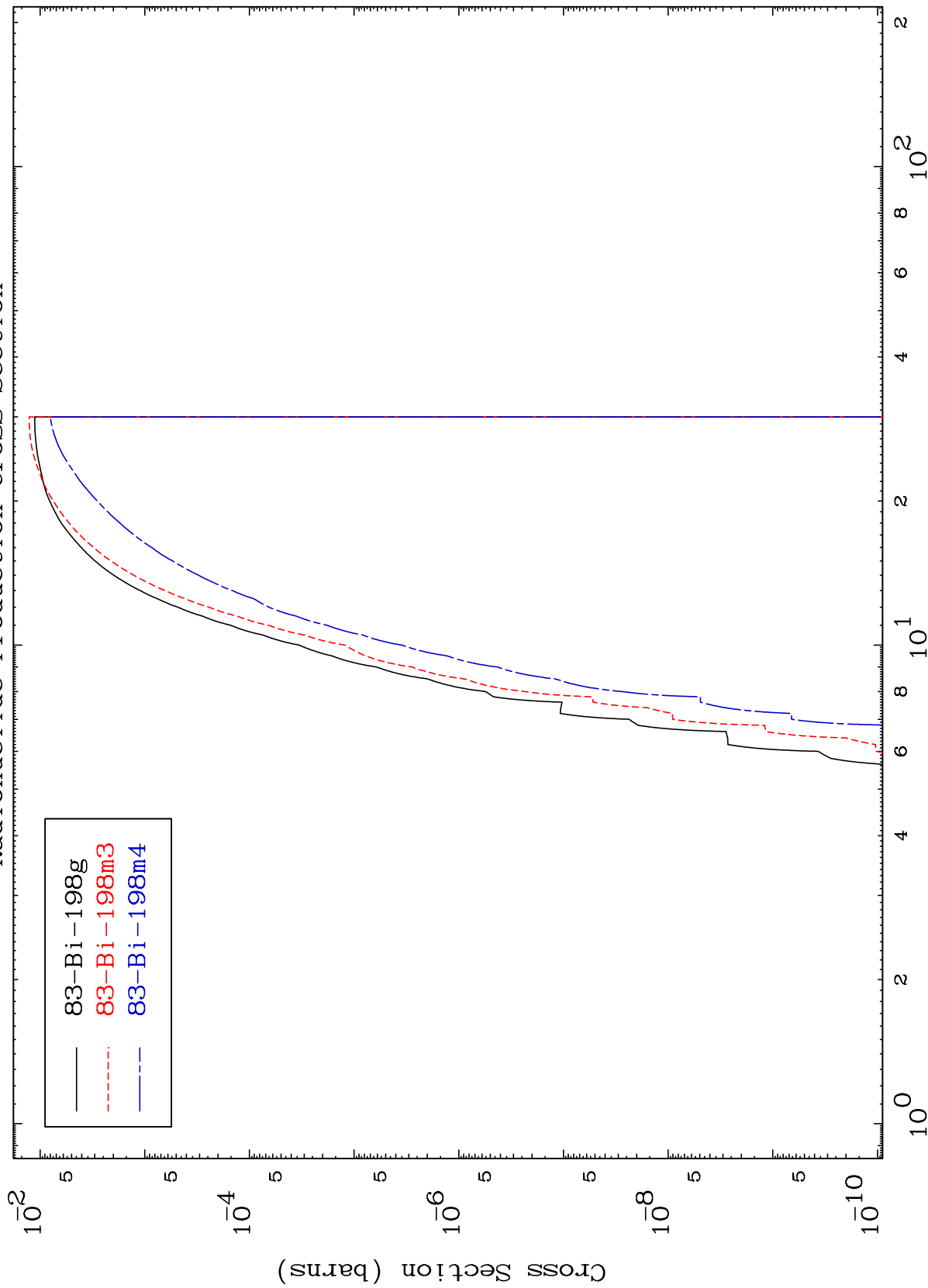


MAT 8404

(n,d)

84-Po-199

Radionuclide Production Cross Section



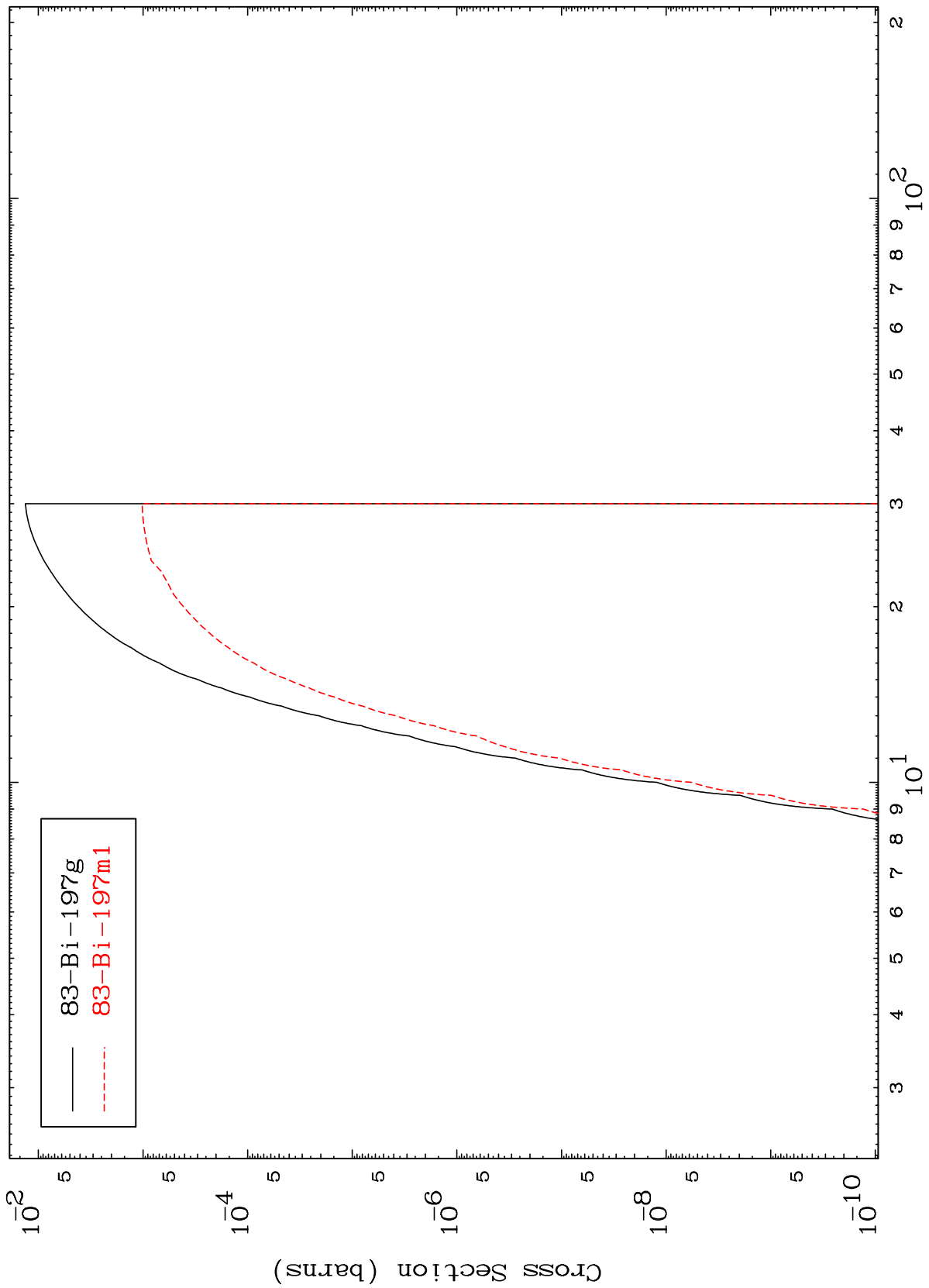
Incident Energy (MeV)

84-Po-199

MAT 8404

84-Po-199

(n, t)
Radionuclide Production Cross Section



— 83-Bi-197g
- - - 83-Bi-197m1

61

Incident Energy (MeV)

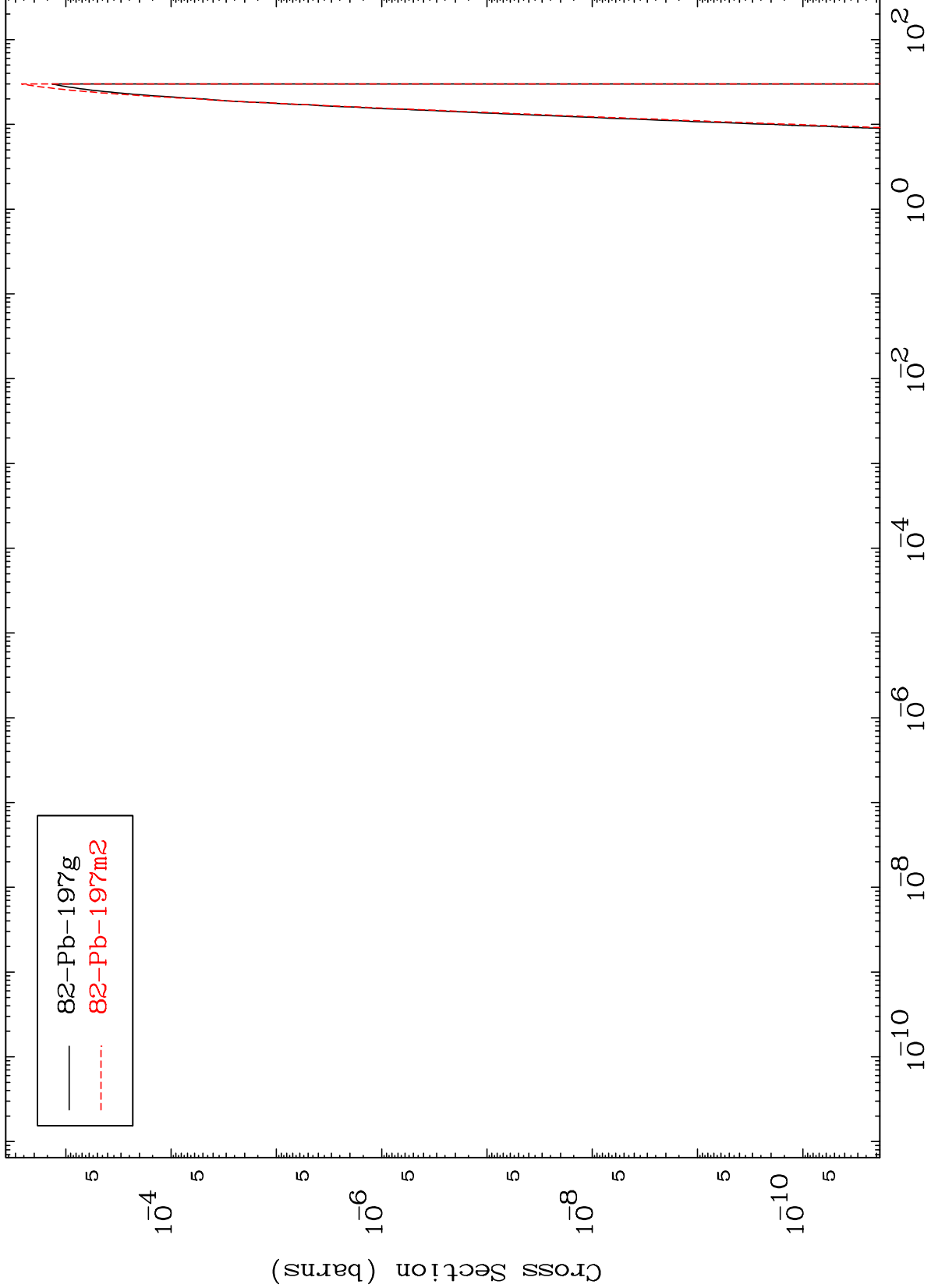
84-Po-199

MAT 8404

(n,He-3)

84-Po-199

Radionuclide Production Cross Section



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

62

Incident Energy (MeV)

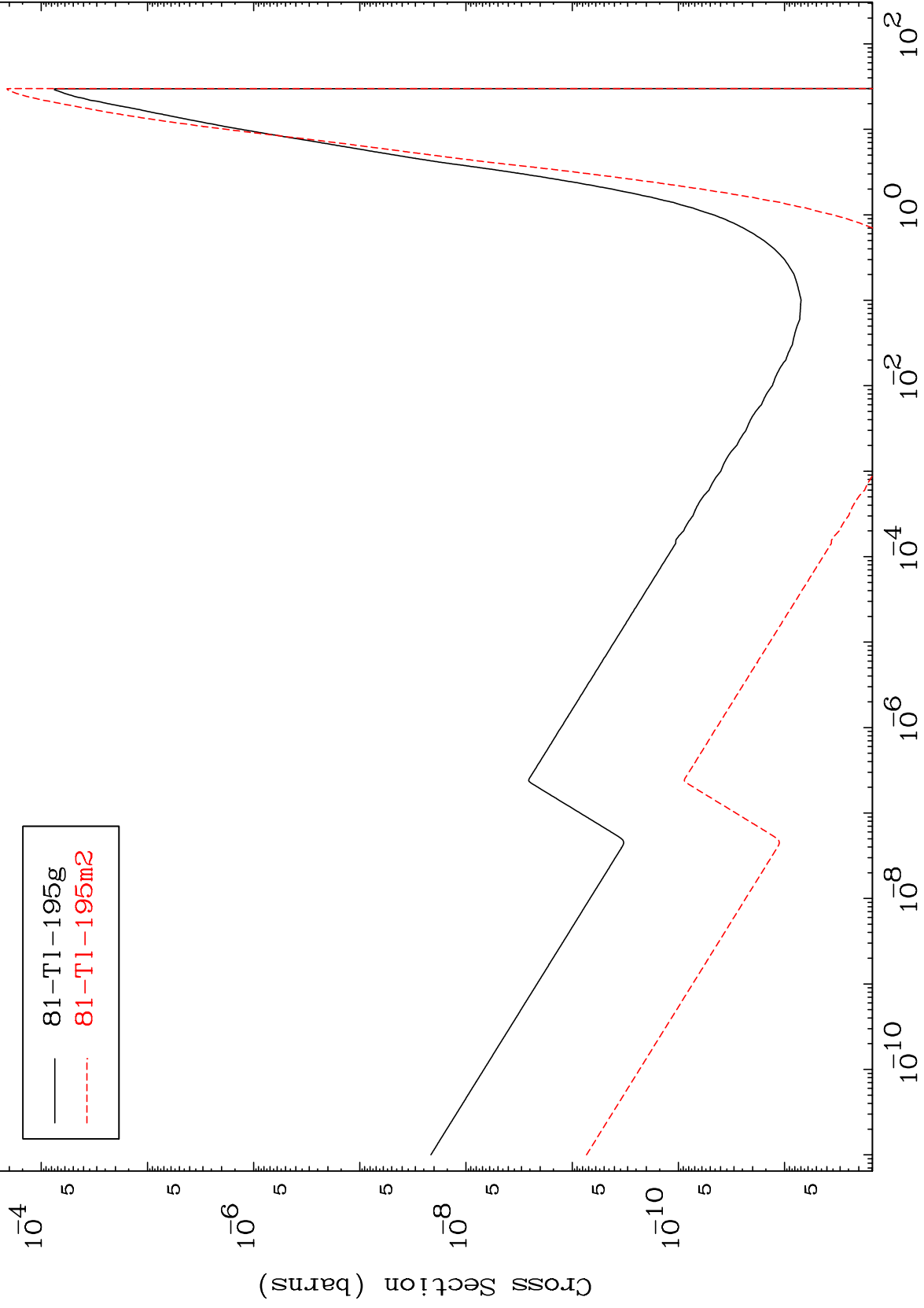
84-Po-199

MAT 8404

(n,p) α

84-Po-199

Radionuclide Production Cross Section

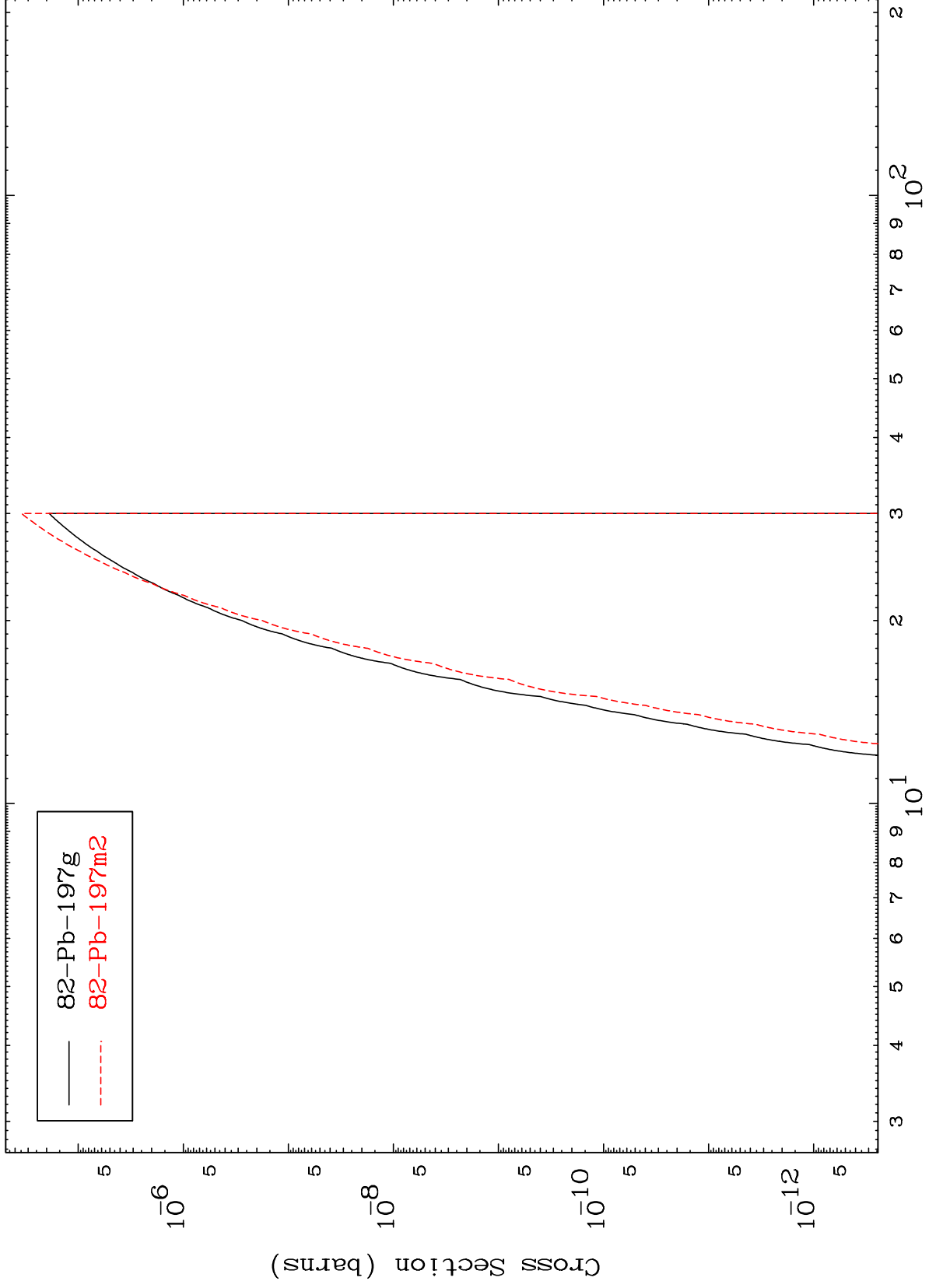


MAT 8404

(n,p) d

84-Po-199

Radionuclide Production Cross Section



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

64

Incident Energy (MeV)

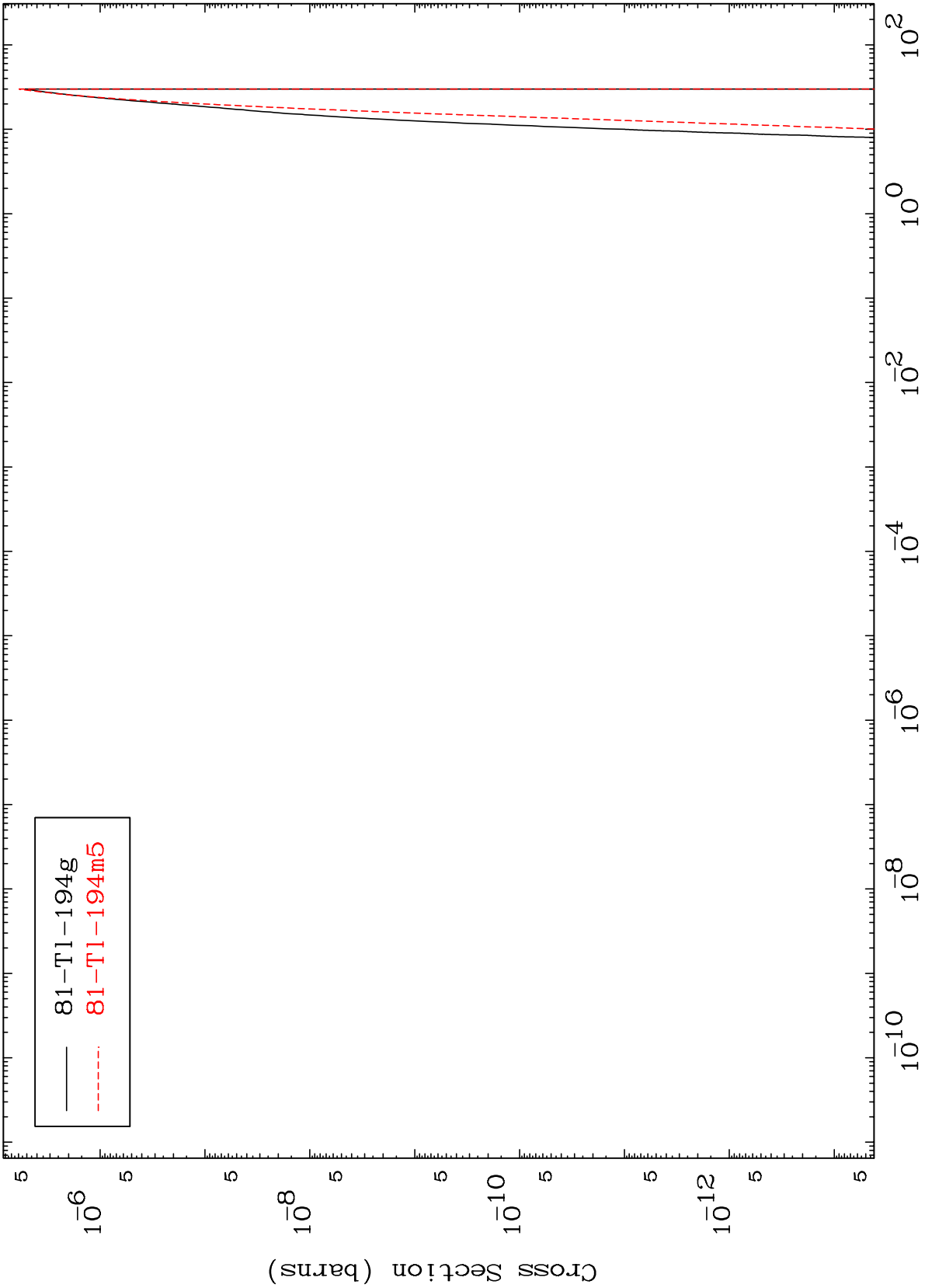
84-Po-199

MAT 8404

(n,d) α

84-Po-199

Radionuclide Production Cross Section



81-Tl-194g
81-Tl-194m5

65

Incident Energy (MeV)

84-Po-199