

Program EVALPLOT
(Version 2021-1)

by

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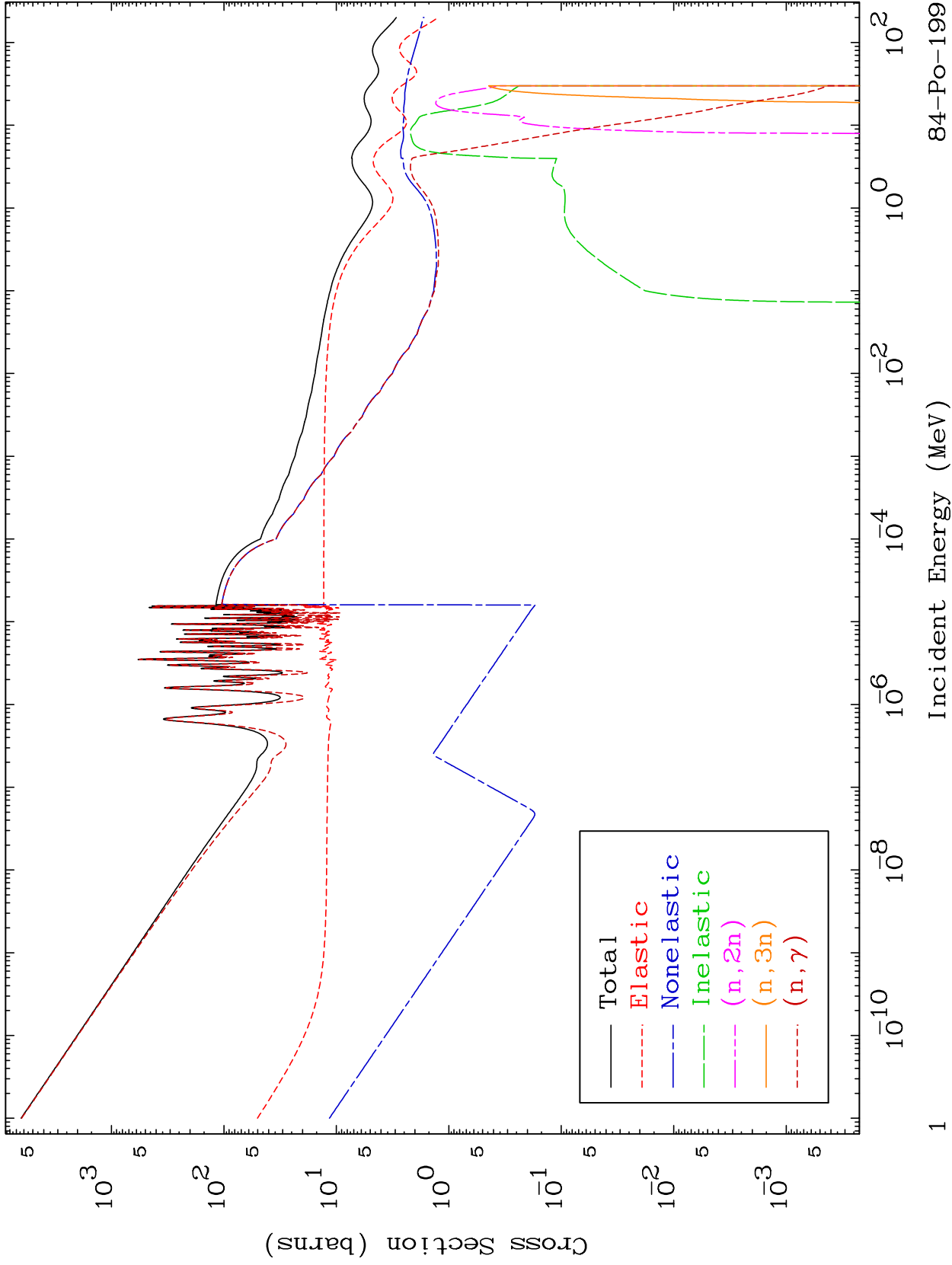
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Press Mouse Button to Start

MAT 8404

Neutron Major
293 Kelvin Cross Sections

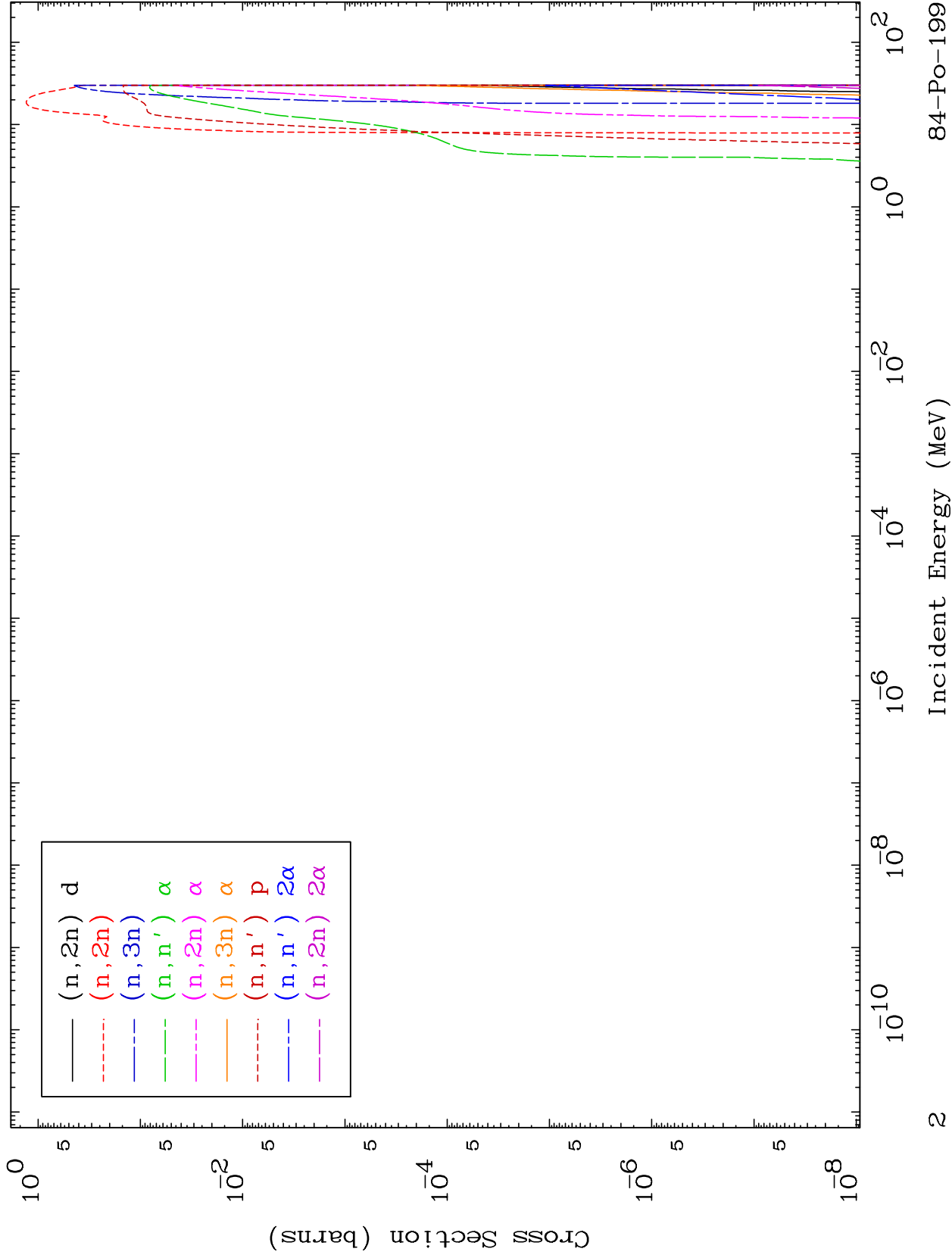
84-Po-199



MAT 8404

Neutron Absorption
293 Kelvin Cross Sections

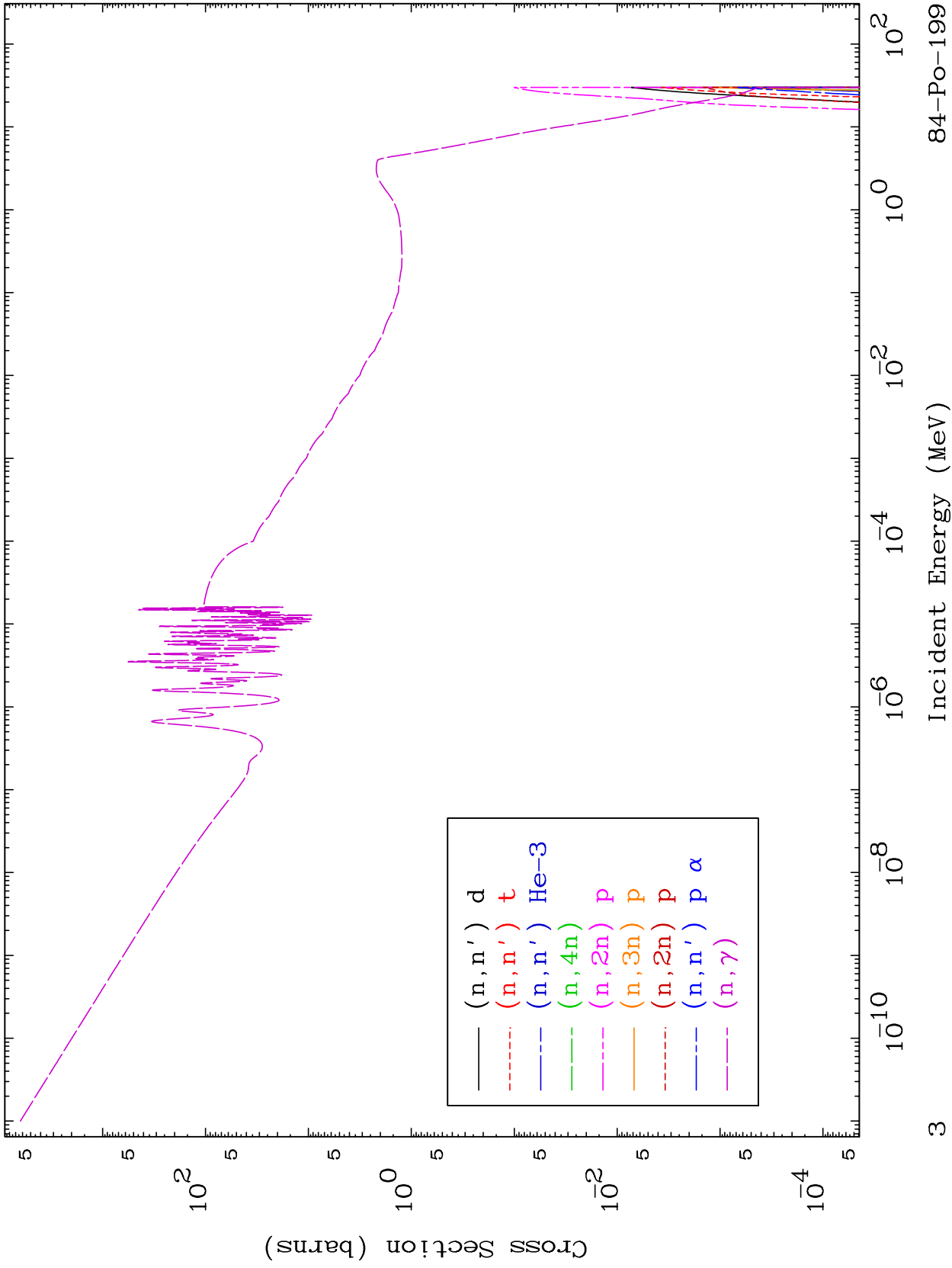
84-Po-199



MAT 8404

Neutron Absorption
293 Kelvin Cross Sections

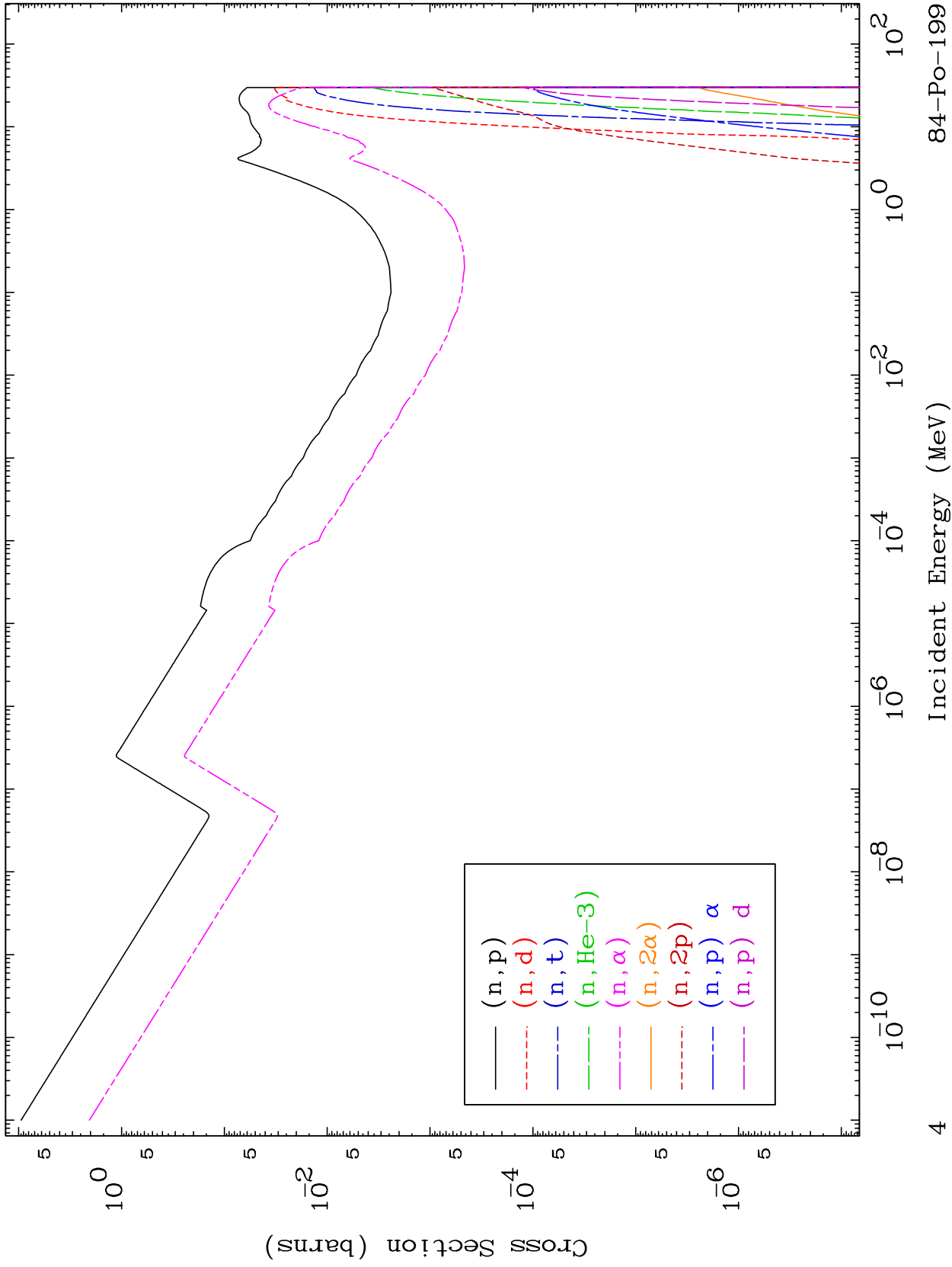
84-Po-199

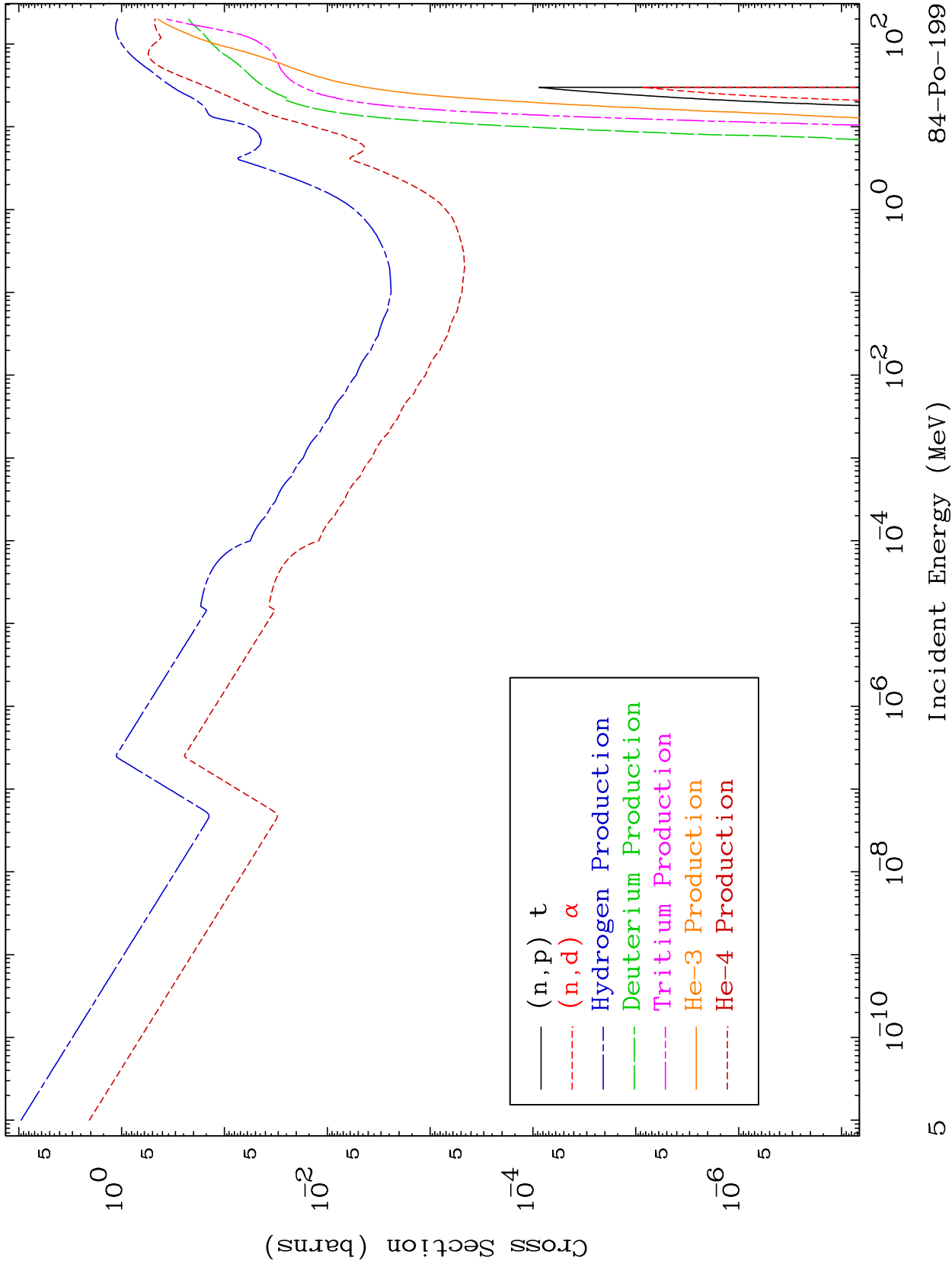


MAT 8404

Neutron Absorption
293 Kelvin Cross Sections

84-Po-199

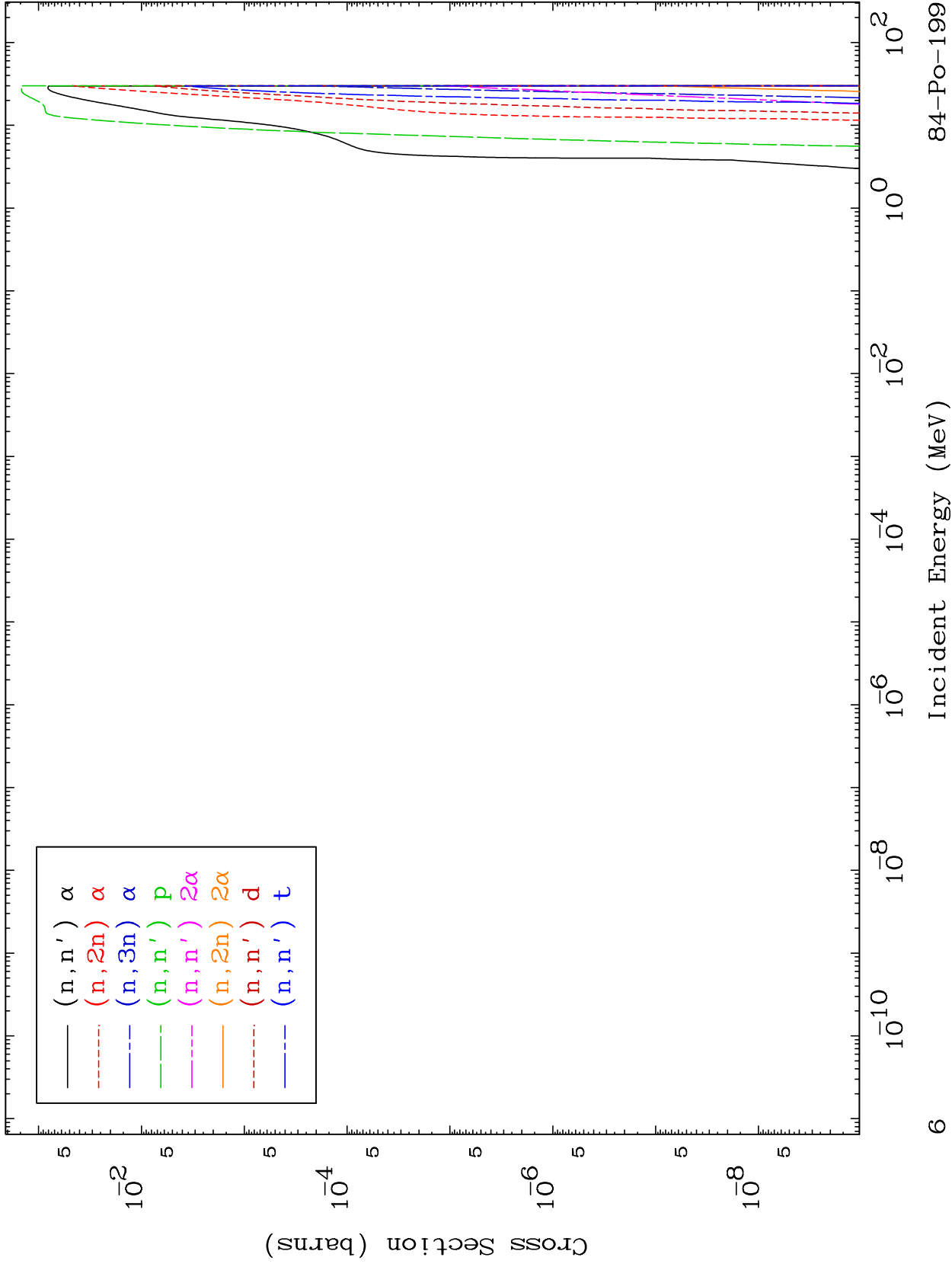




MAT 8404

Charged Particle
293 Kelvin Cross Sections

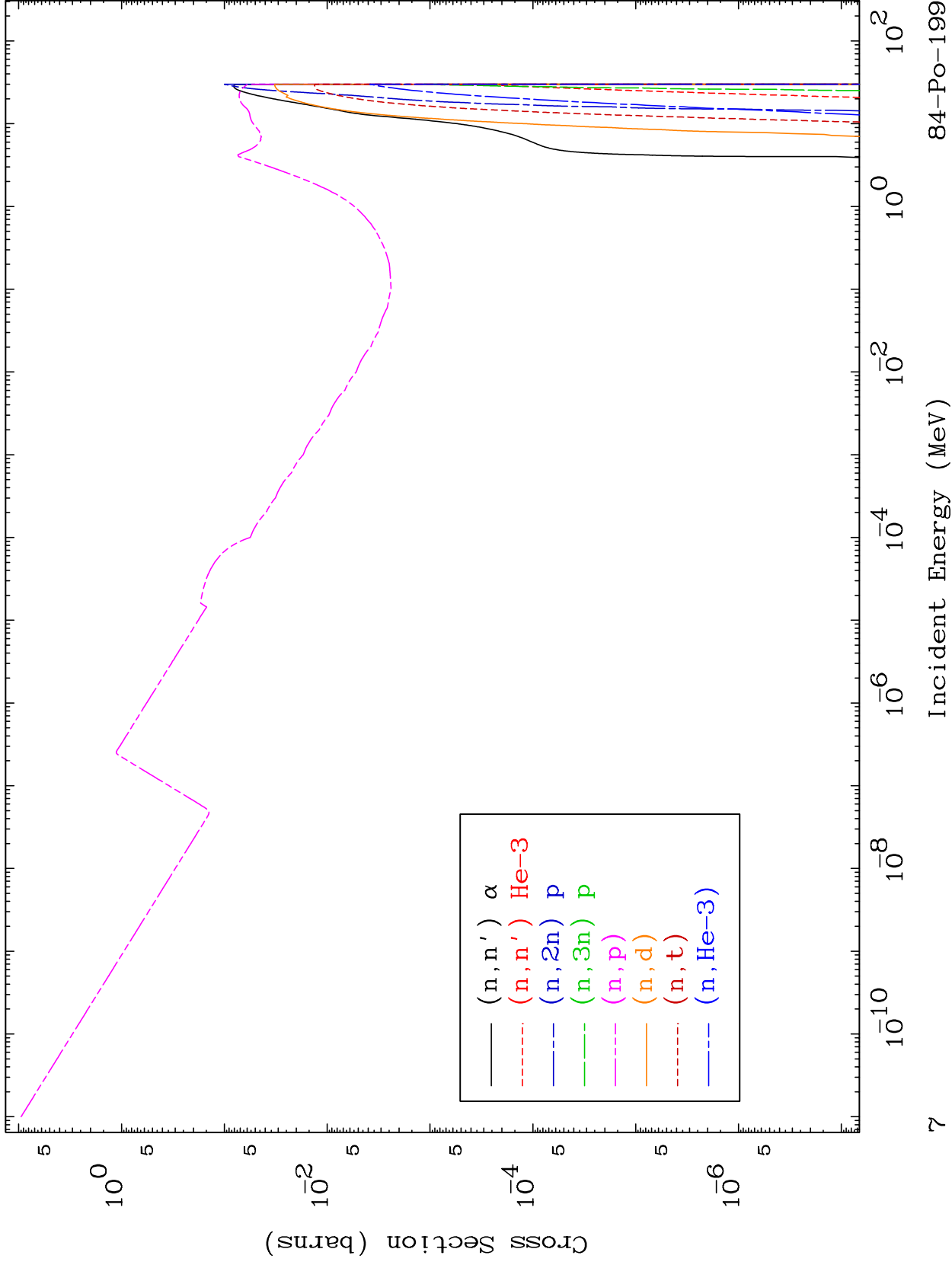
84-Po-199



MAT 8404

Charged Particle
293 Kelvin Cross Sections

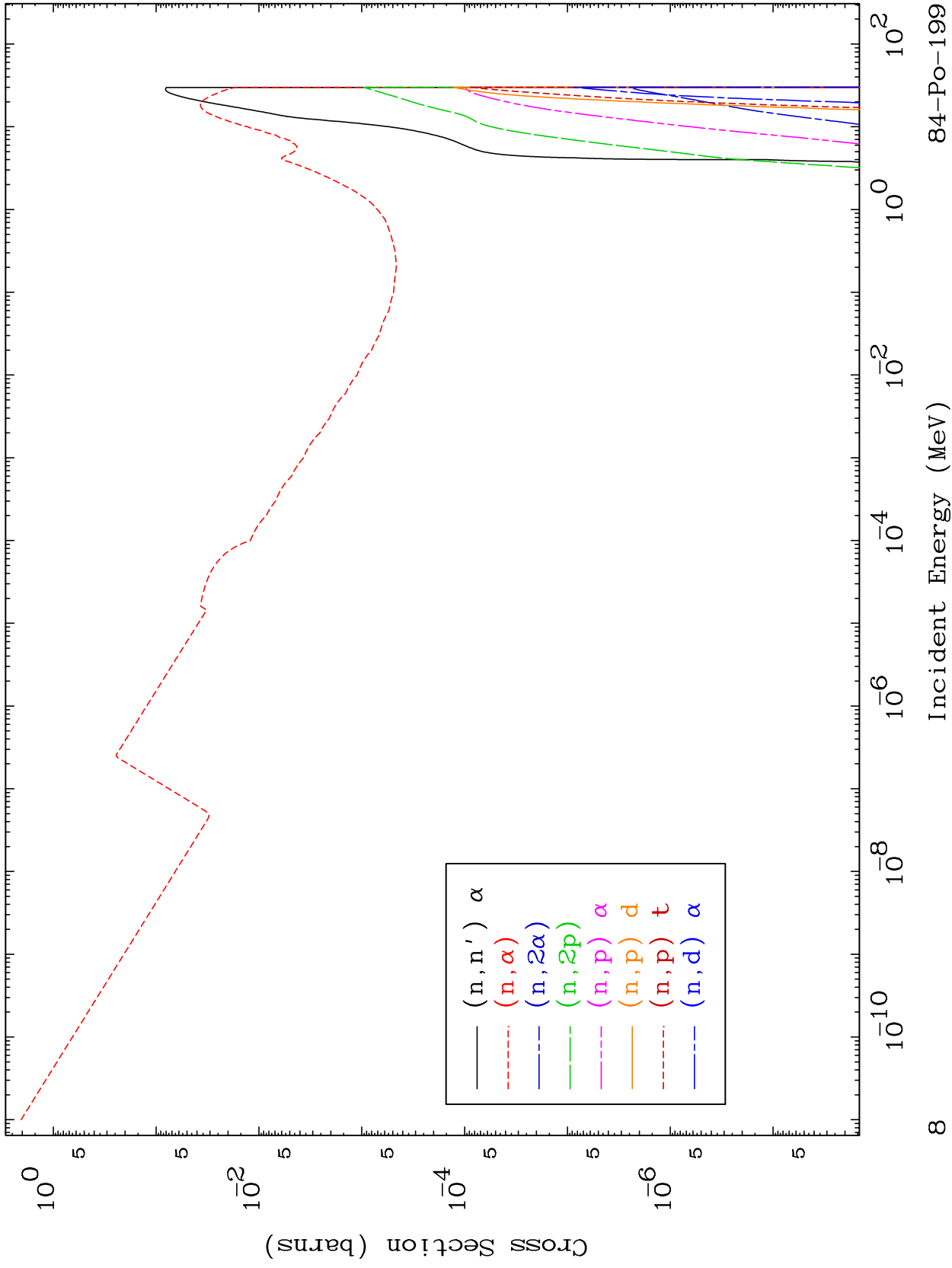
84-Po-199



MAT 8404

Charged Particle
293 Kelvin Cross Sections

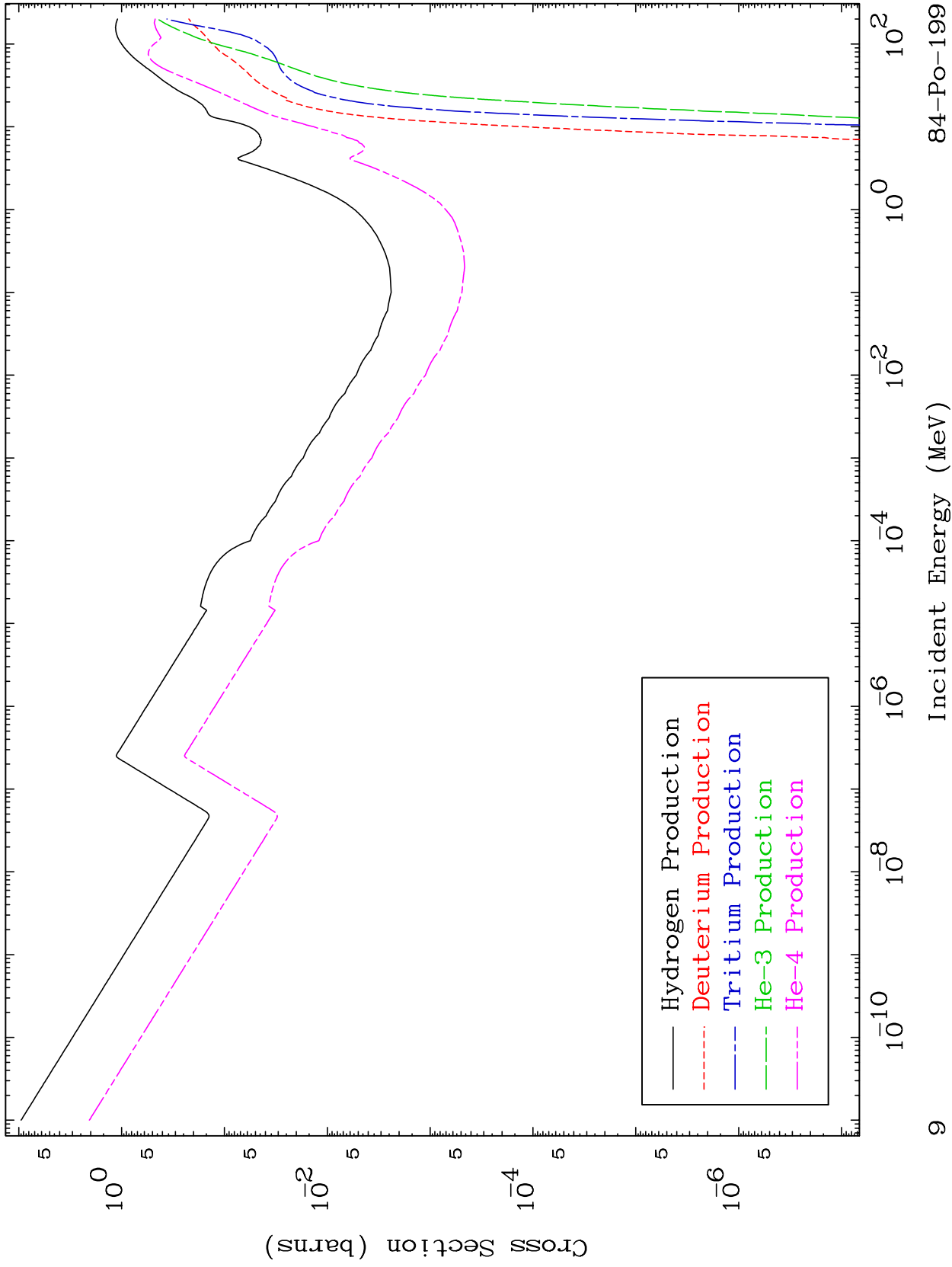
84-Po-199



MAT 8404

Particle Production
293 Kelvin Cross Sections

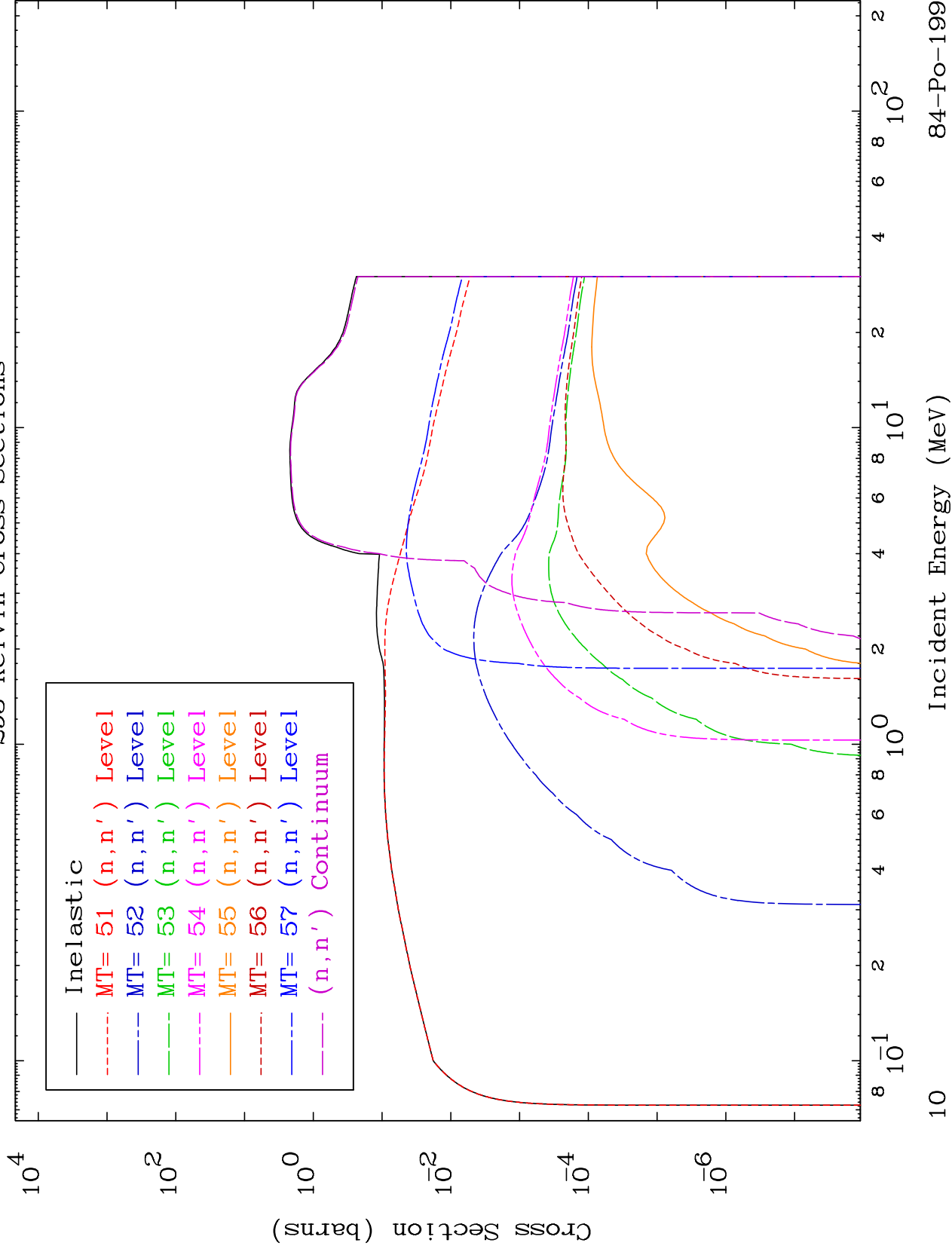
84-Po-199



MAT 8404

293 (n,n') Levels

84-Po-199



10

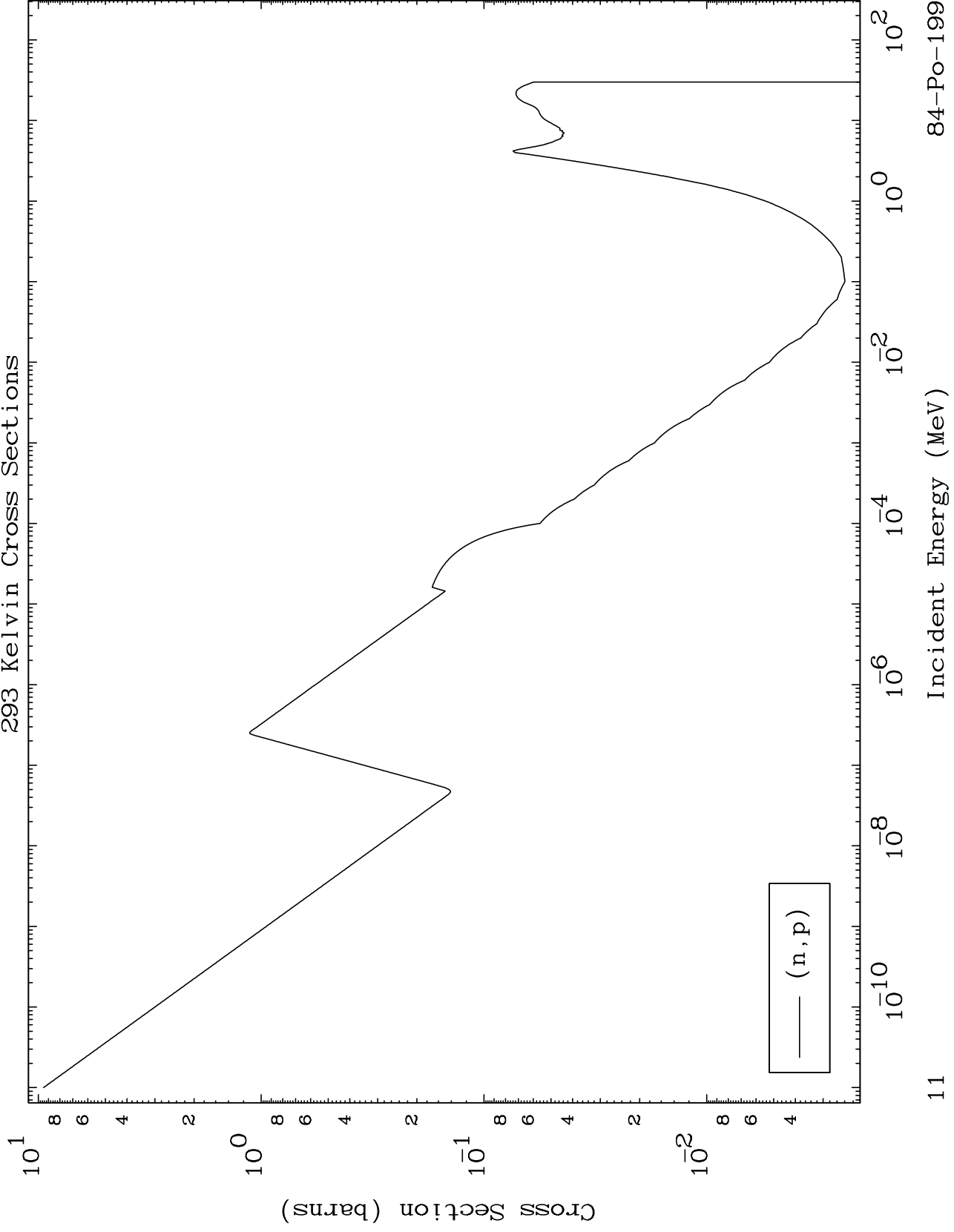
Incident Energy (MeV)

84-Po-199

MAT 8404

(n,p) Levels
293 Kelvin Cross Sections

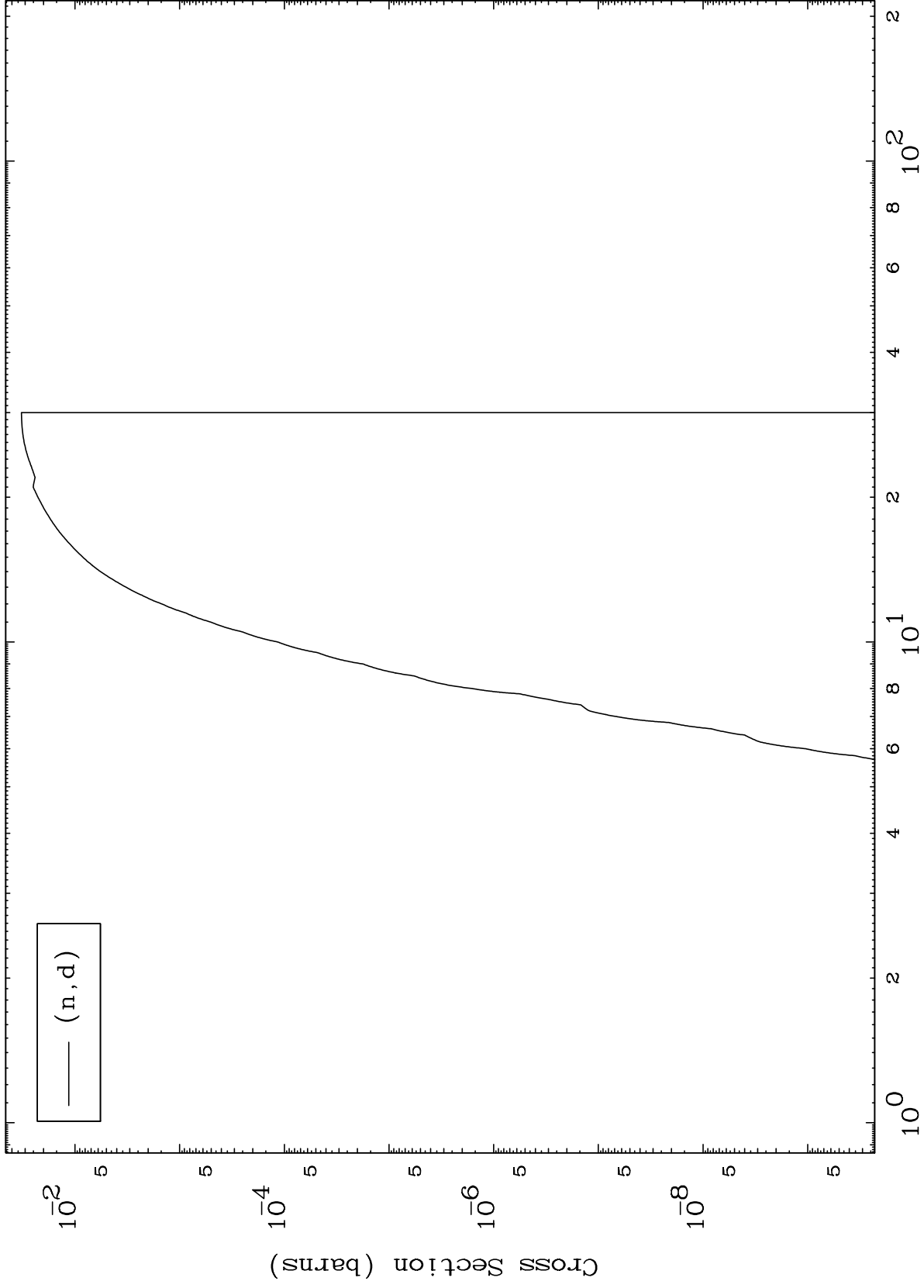
84-Po-199



MAT 8404

(n,d) Levels
293 Kelvin Cross Sections

84-Po-199



12

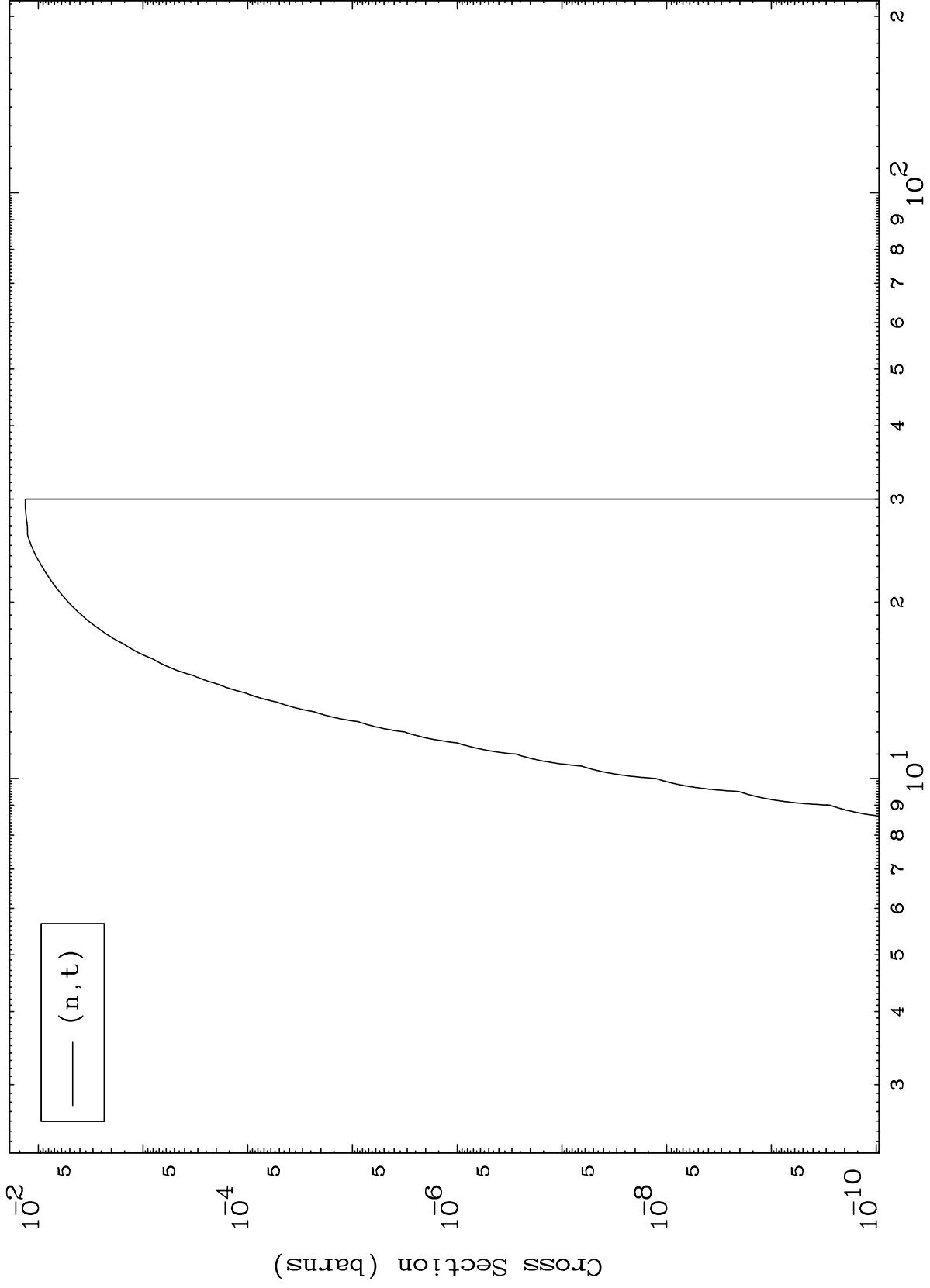
Incident Energy (MeV)

84-Po-199

MAT 8404

(n,t) Levels
293 Kelvin Cross Sections

84-Po-199



13

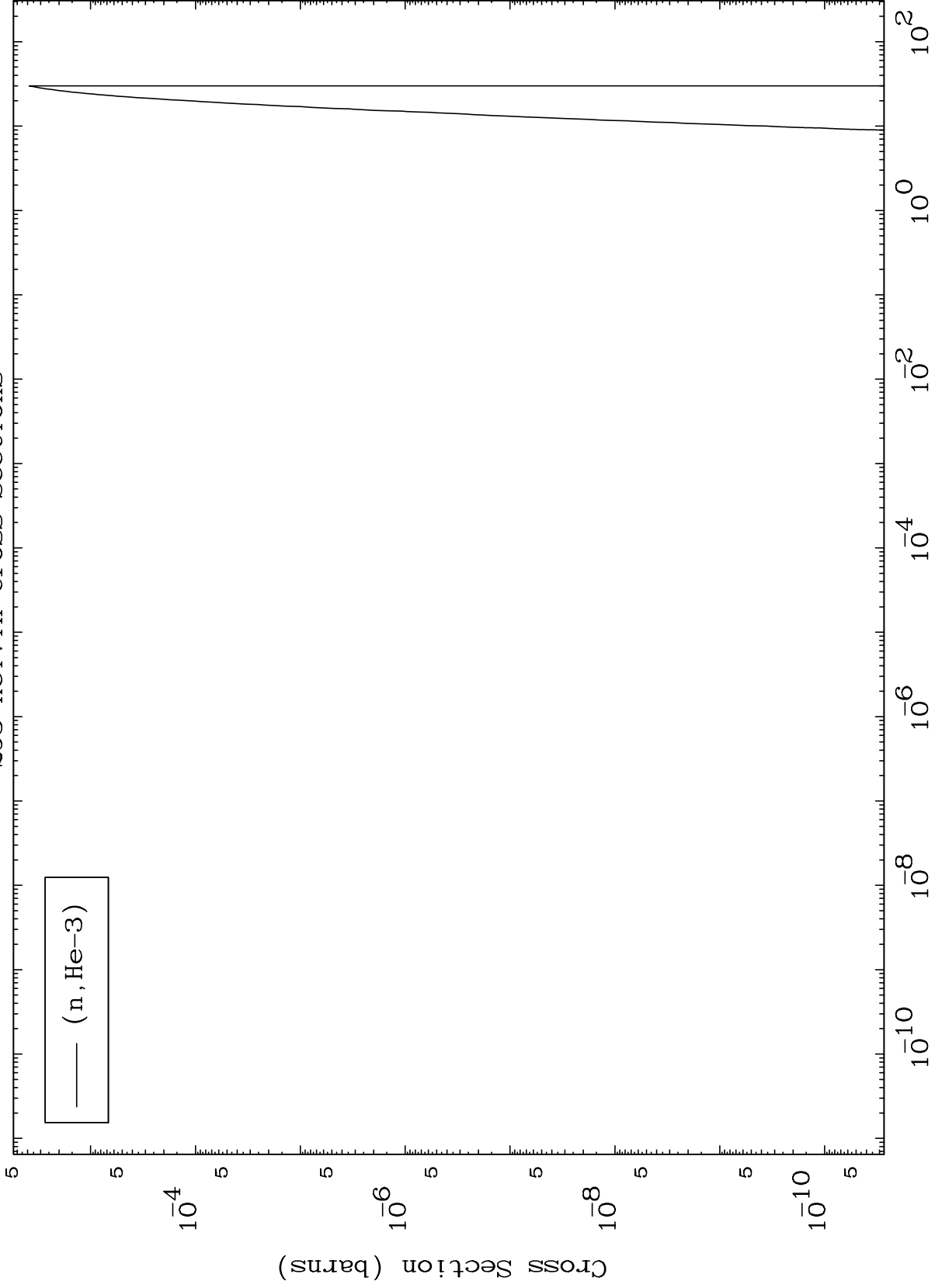
Incident Energy (MeV)

84-Po-199

MAT 8404

(n,He3) Levels
293 Kelvin Cross Sections

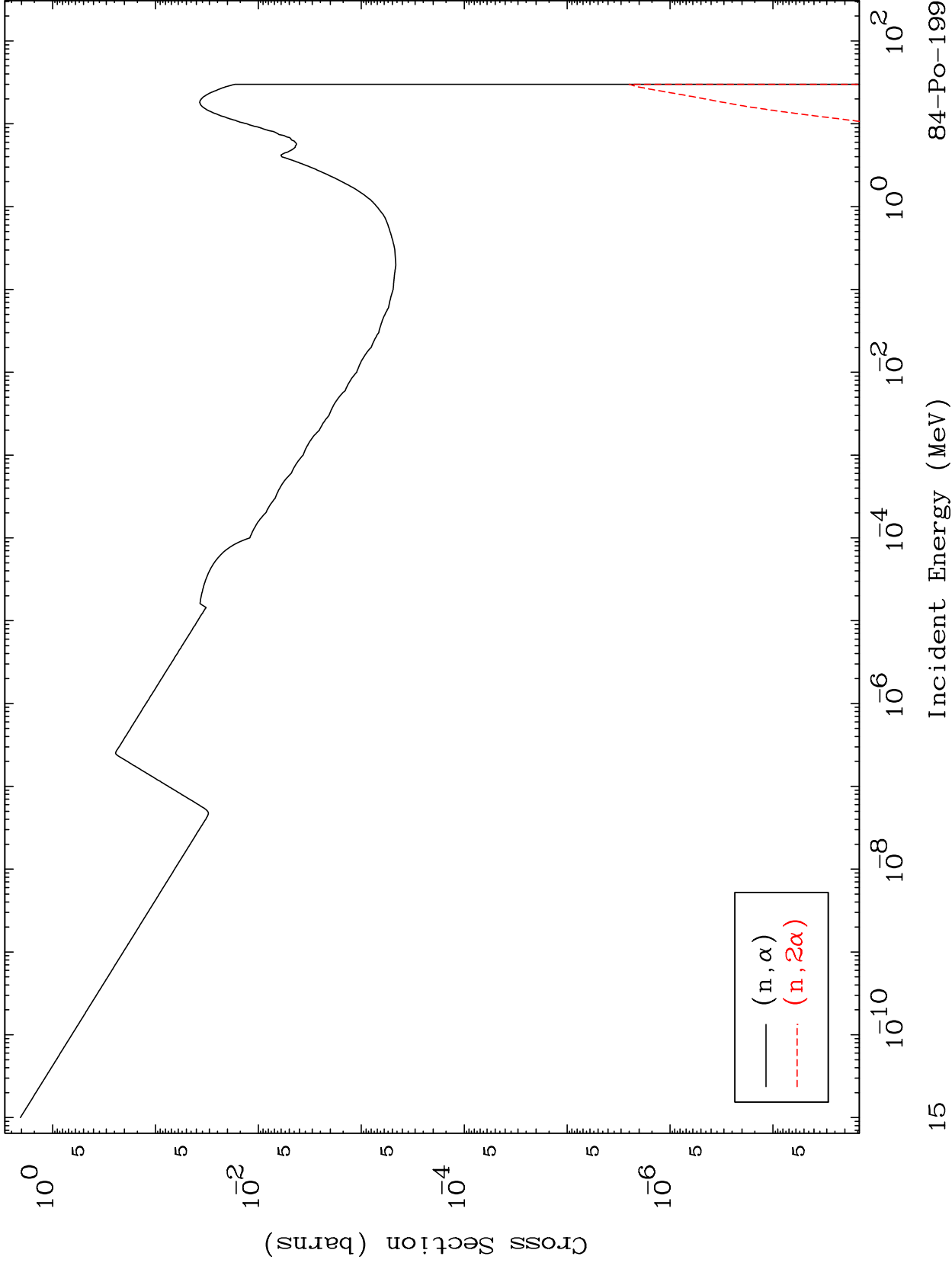
84-Po-199



MAT 8404

(n, α) Levels
293 Kelvin Cross Sections

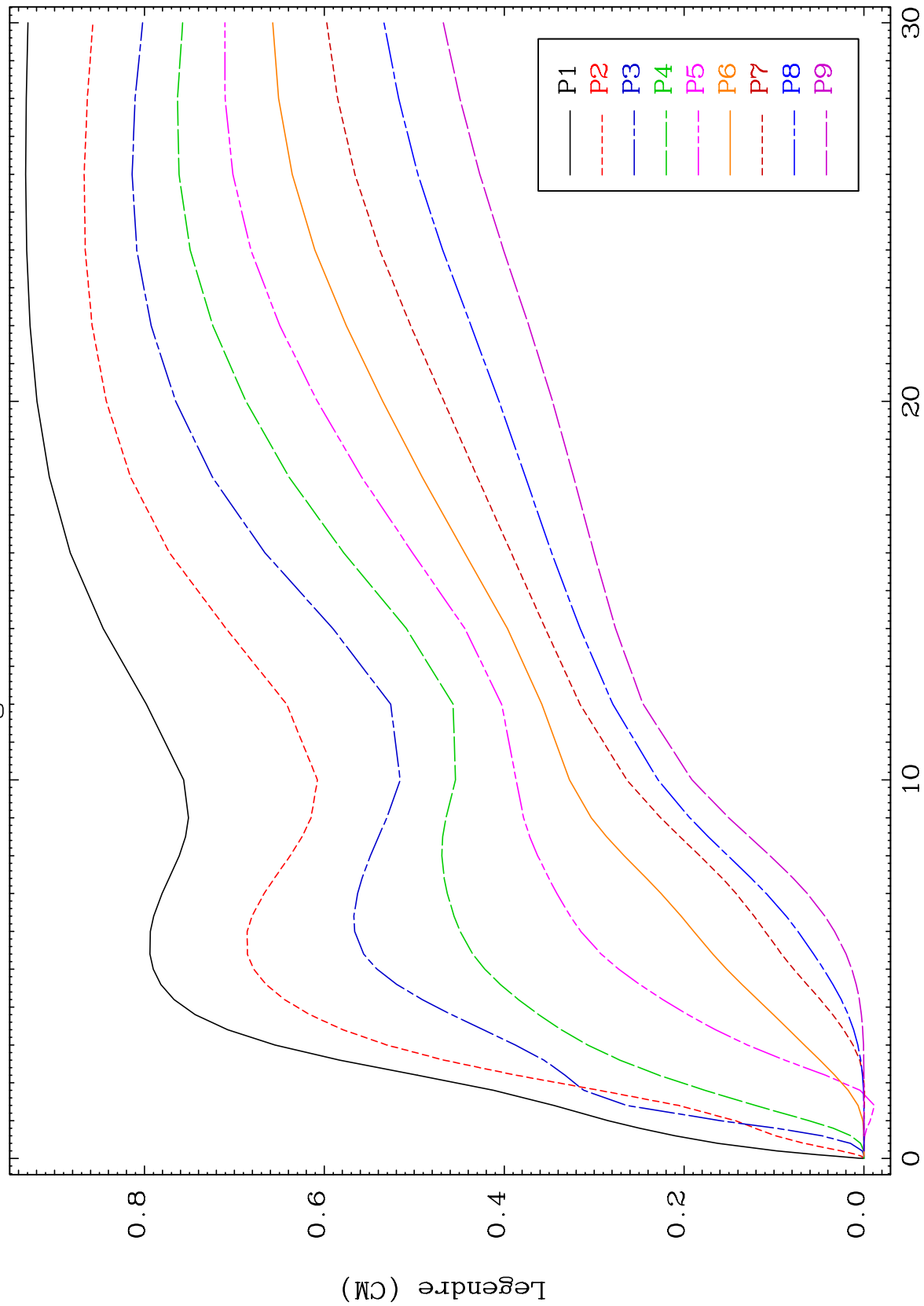
84-Po-199



MAT 8404

Elastic Legendre Coefficients

84-Po-199



Incident Energy (MeV)

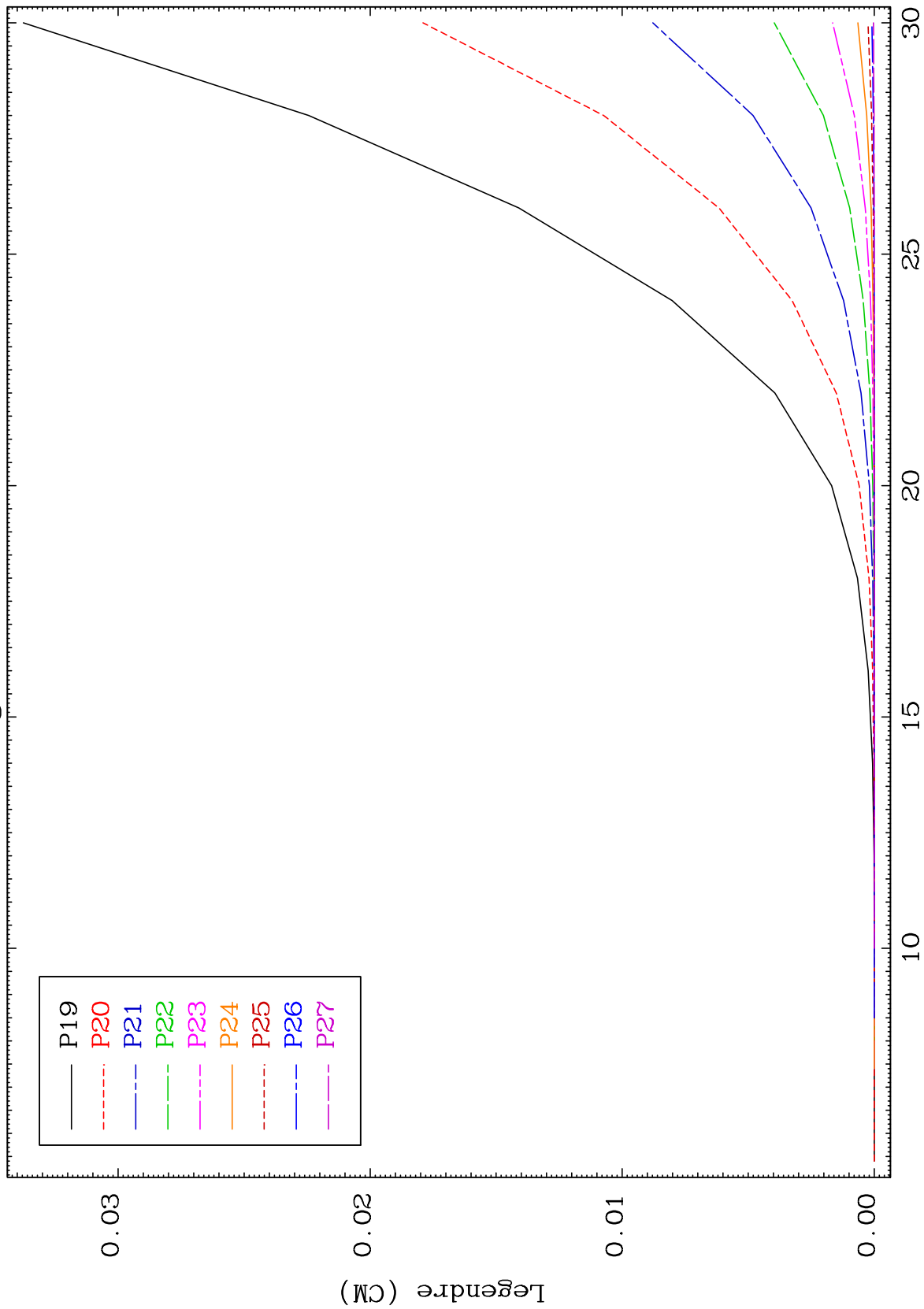
84-Po-199

16

MAT 8404

Elastic Legendre Coefficients

84-Po-199



18

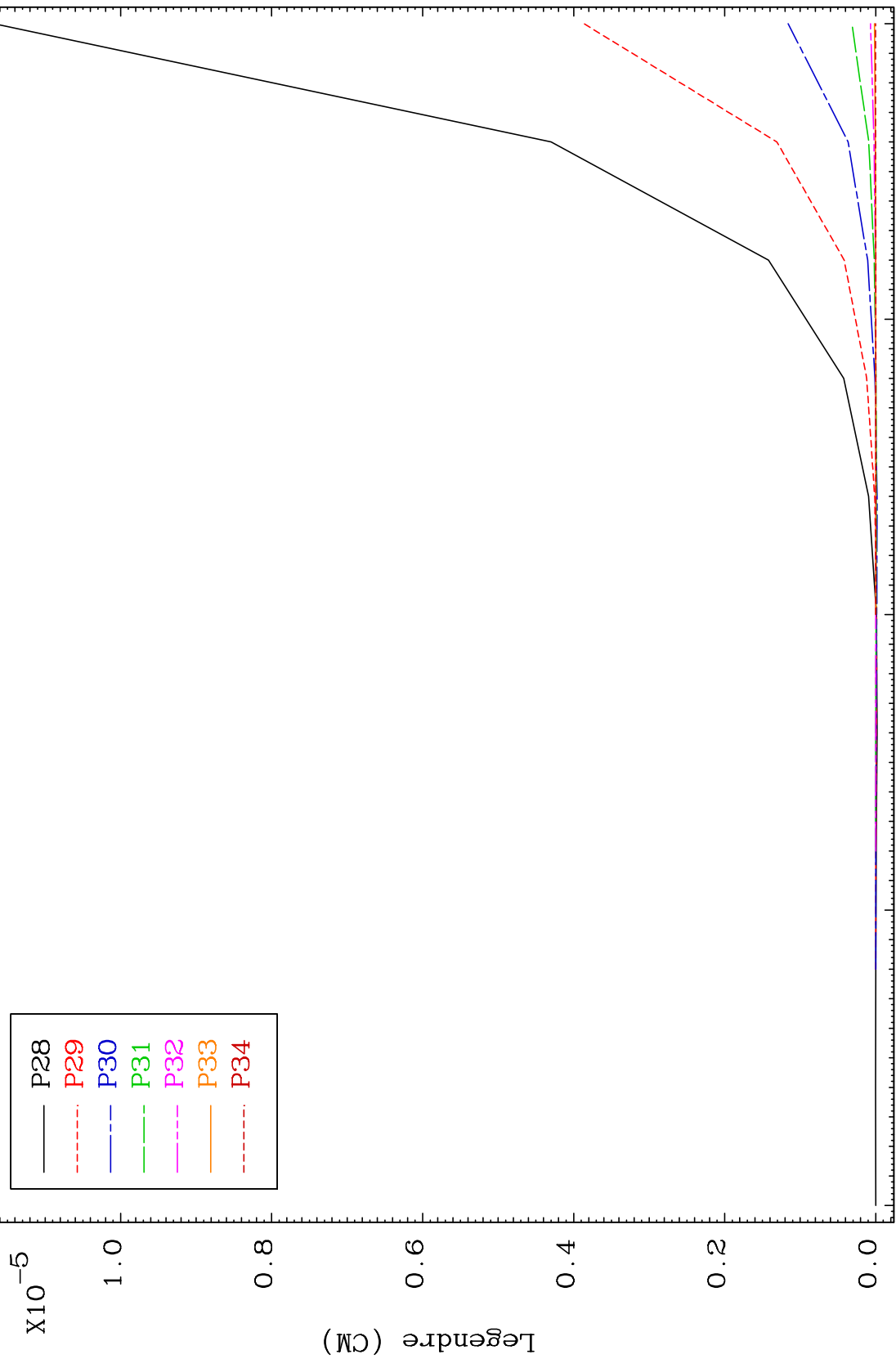
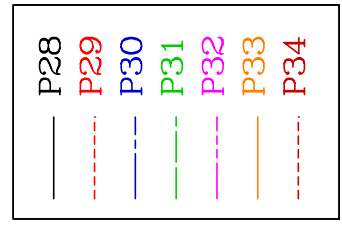
Incident Energy (MeV)

84-Po-199

MAT 8404

Elastic Legendre Coefficients

84-Po-199



19

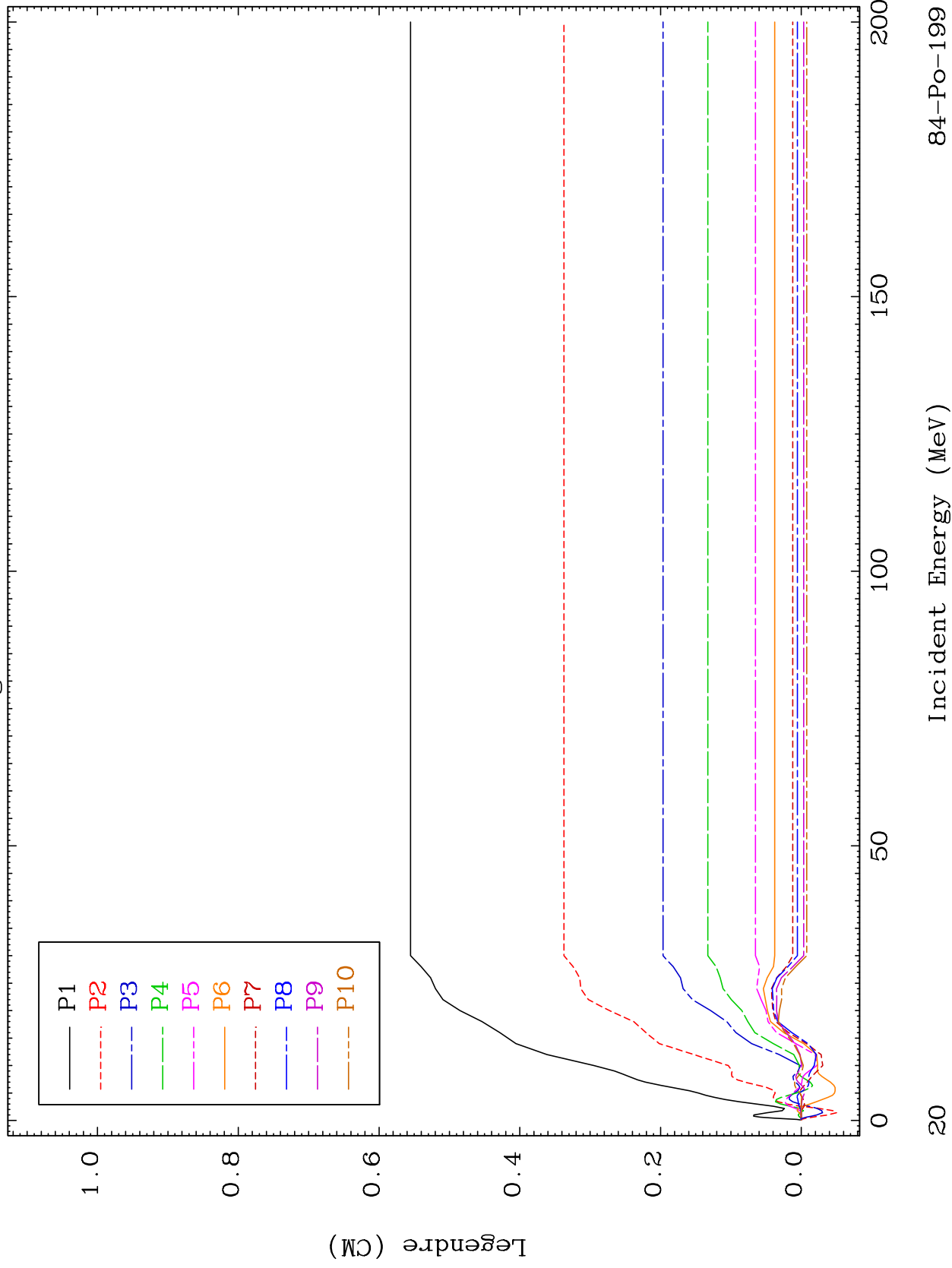
Incident Energy (MeV)

84-Po-199

MAT 8404

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

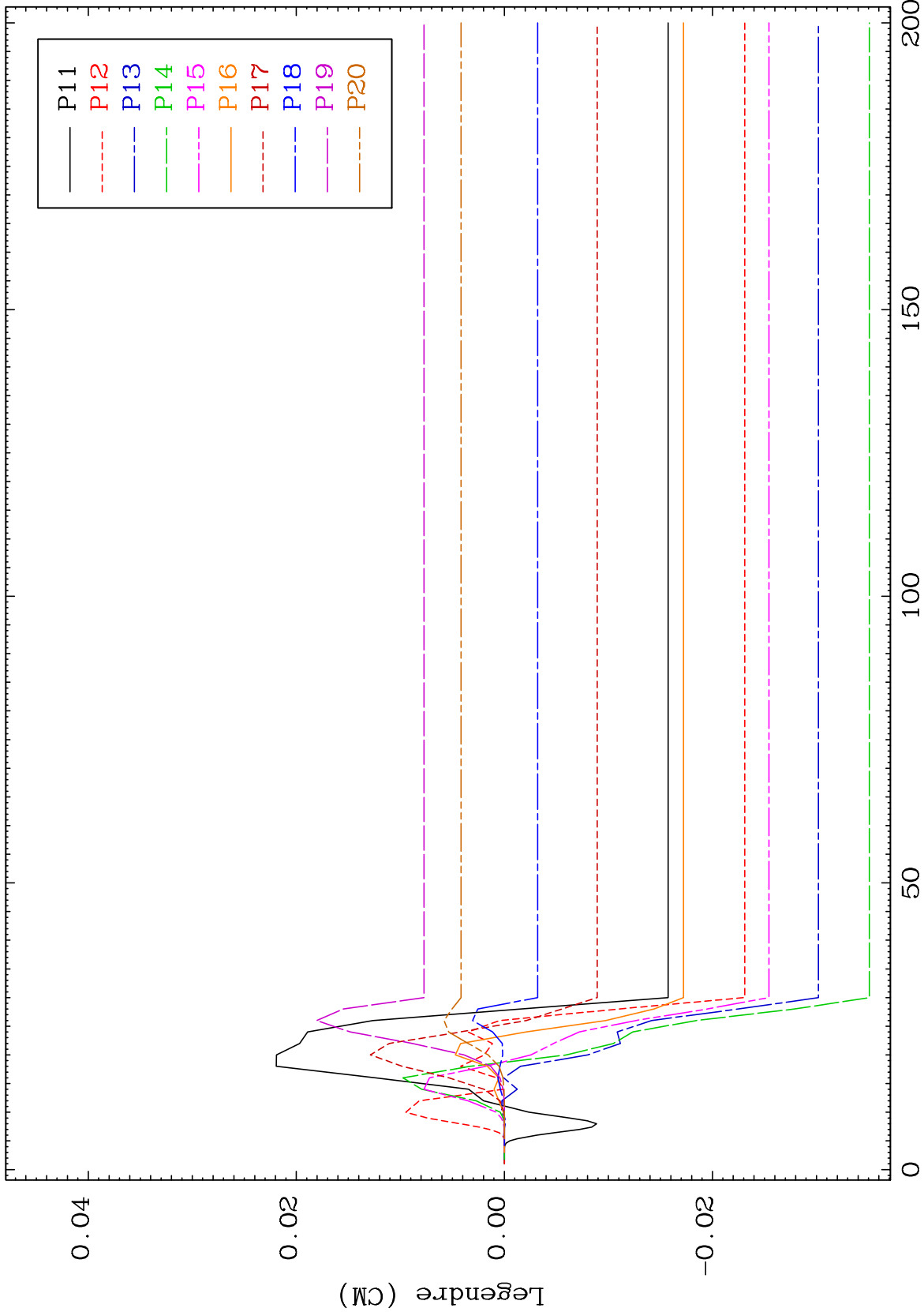
84-Po-199



MAT 8404

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

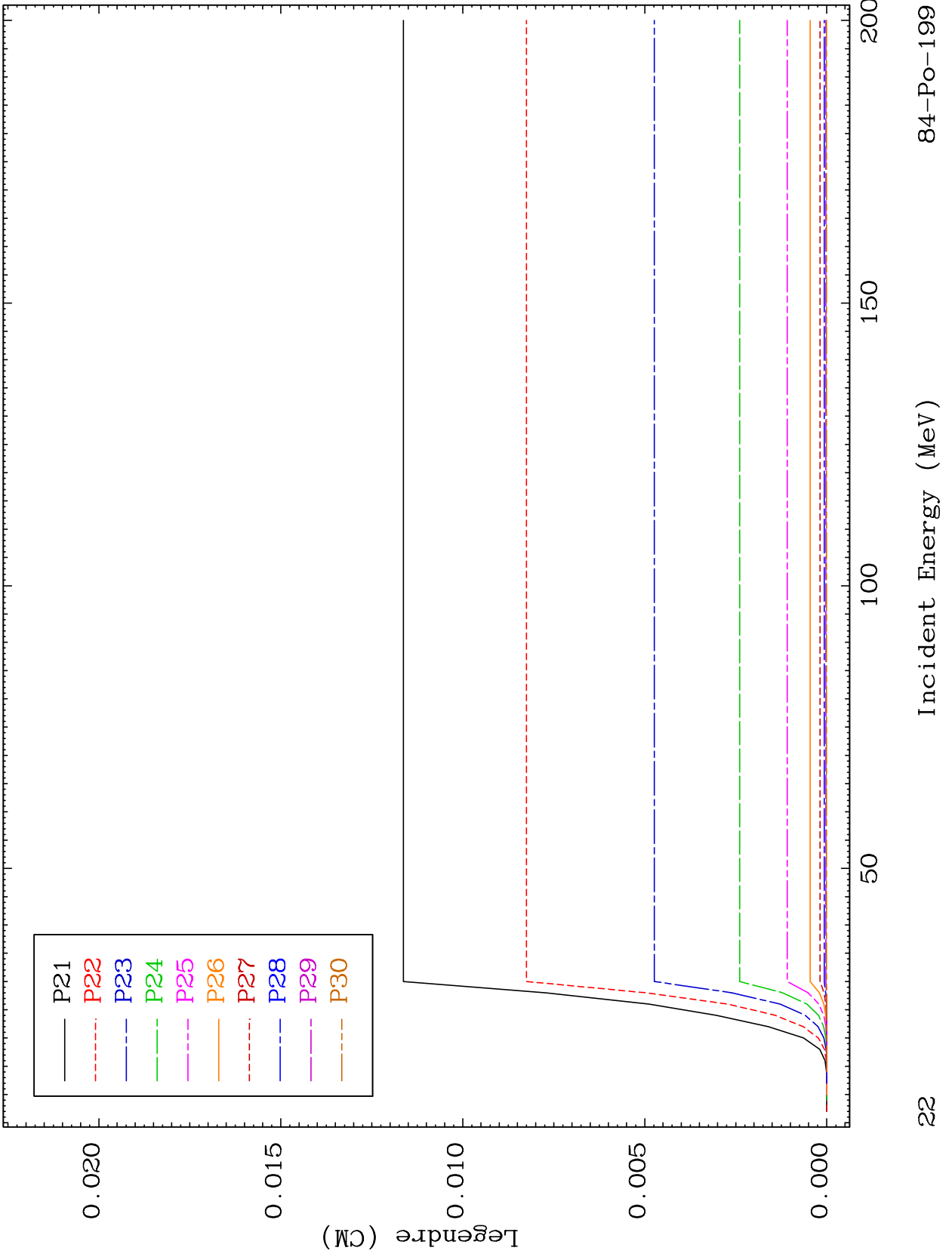
84-Po-199



MAT 8404

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

84-Po-199



22

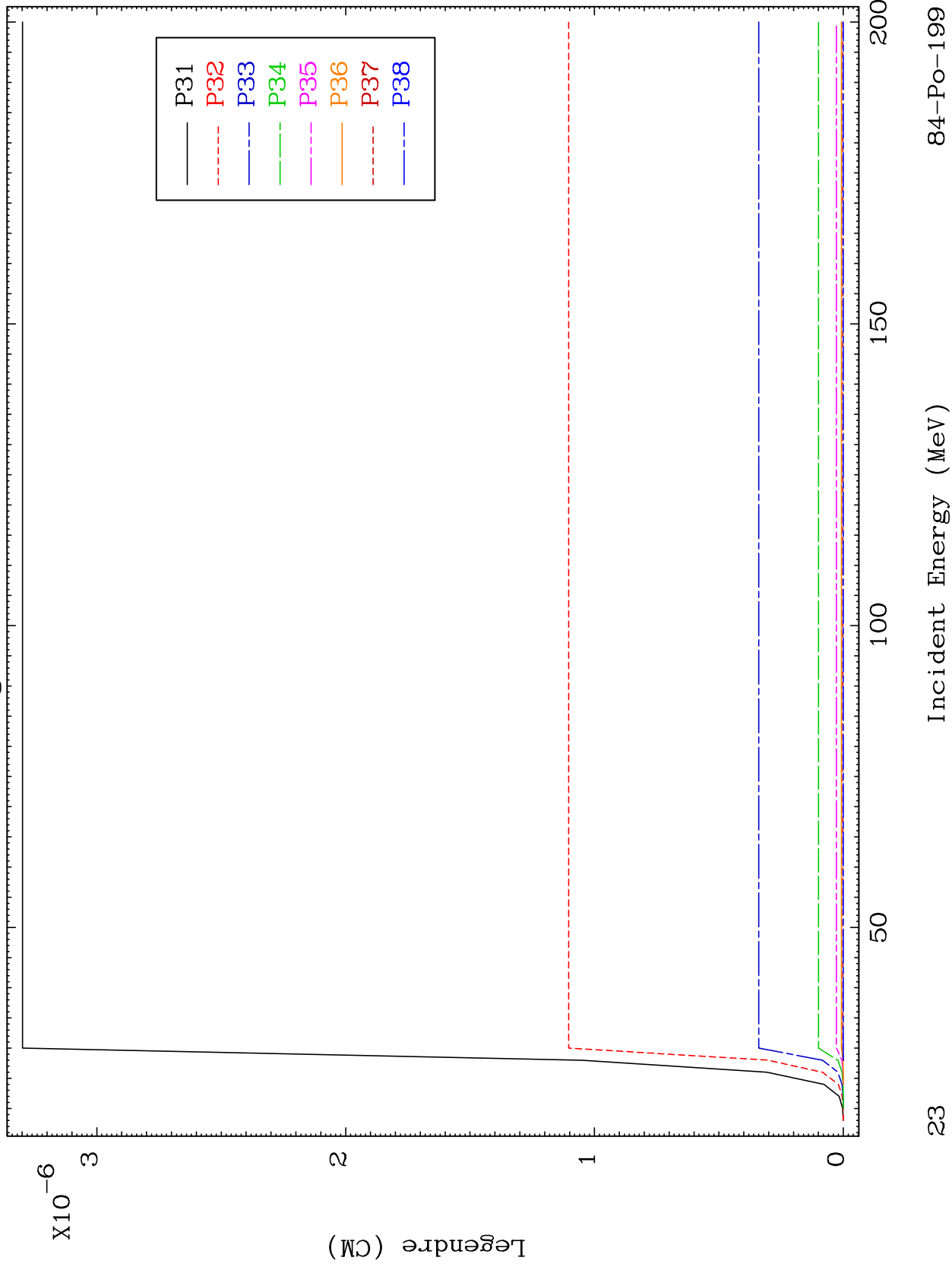
Incident Energy (MeV)

84-Po-199

MAT 8404

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

84-Po-199

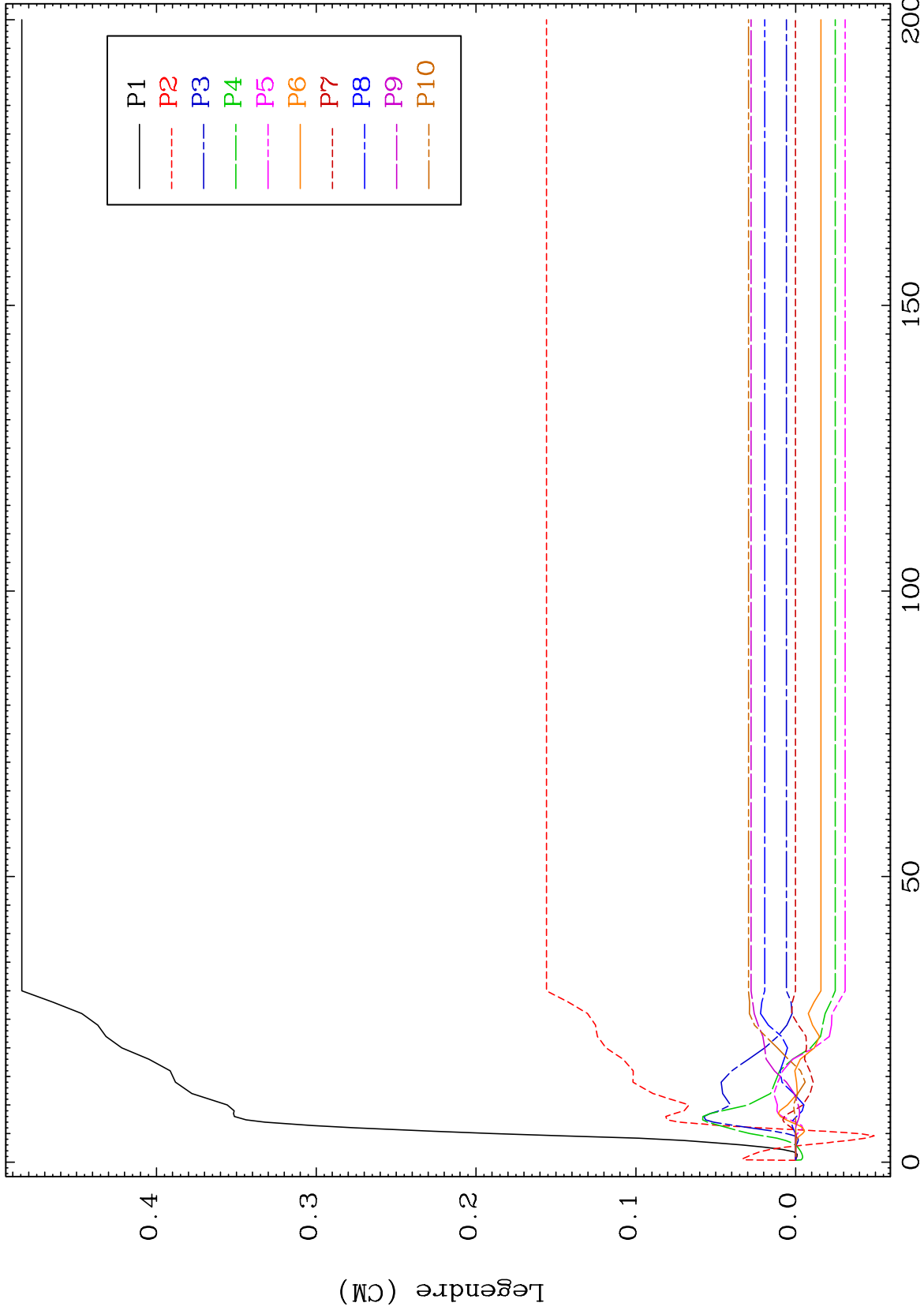


23

MAT 8404

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

84-Po-199



24

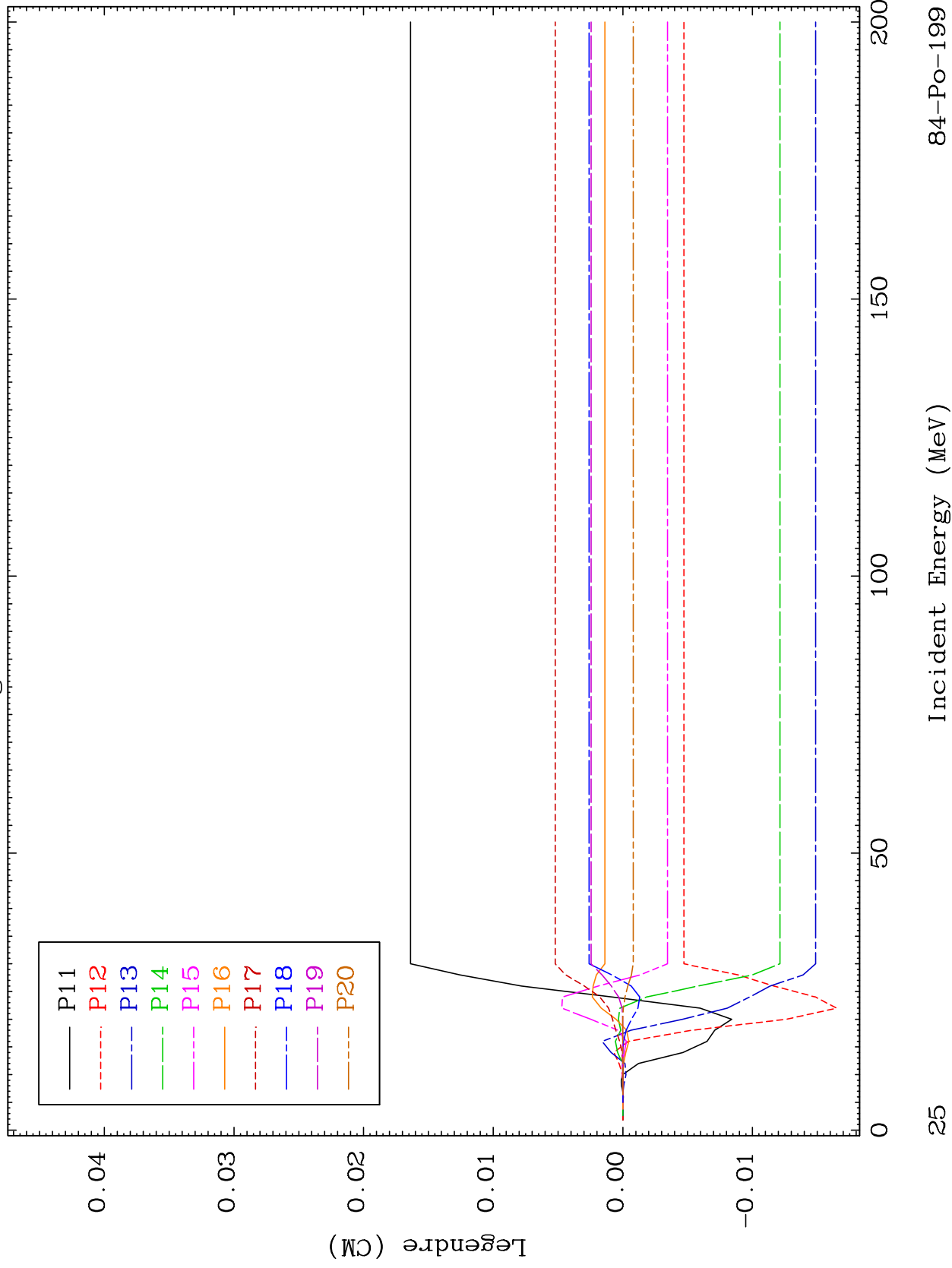
Incident Energy (MeV)

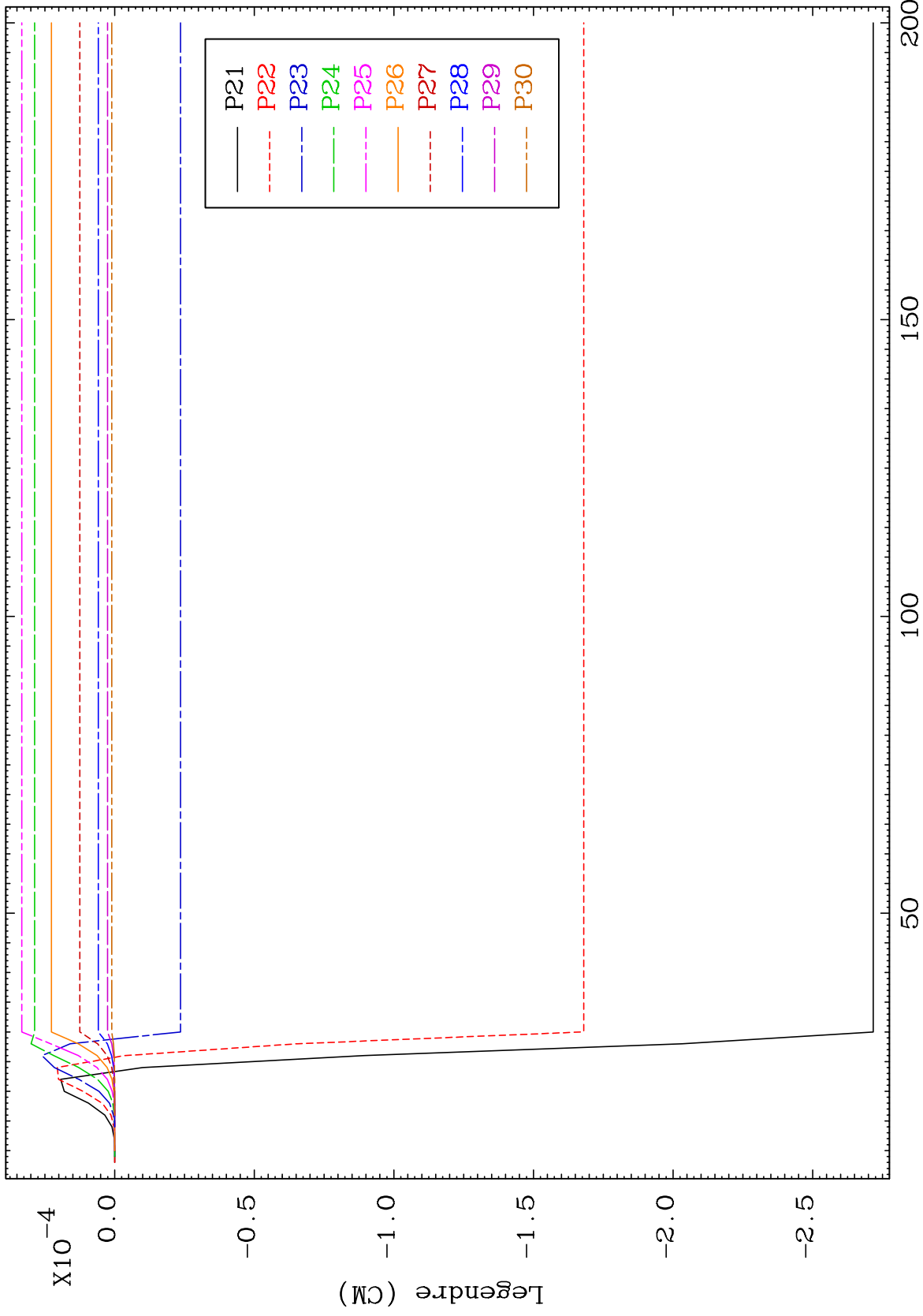
84-Po-199

MAT 8404

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

84-Po-199

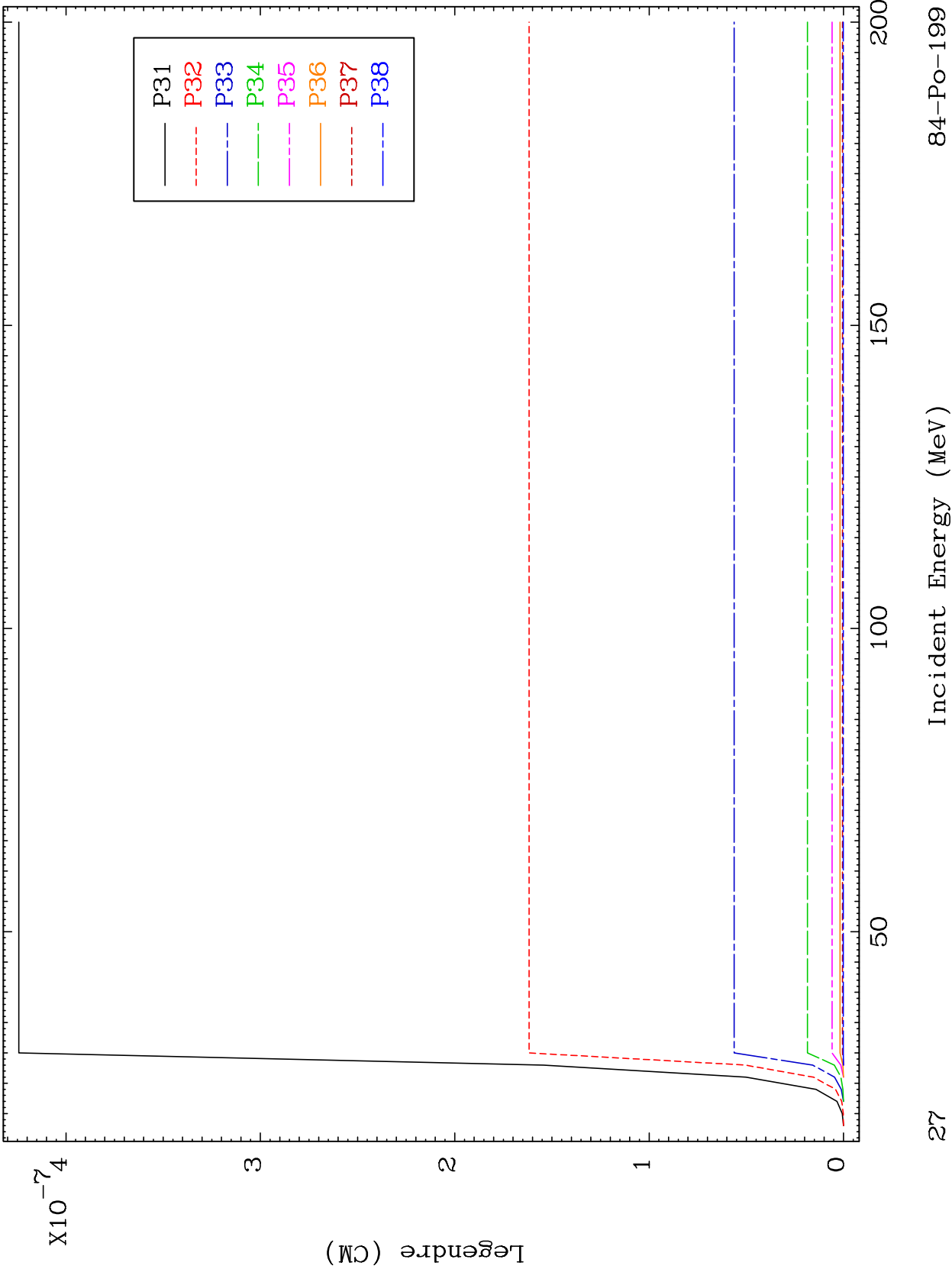




MAT 8404

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

84-Po-199



27

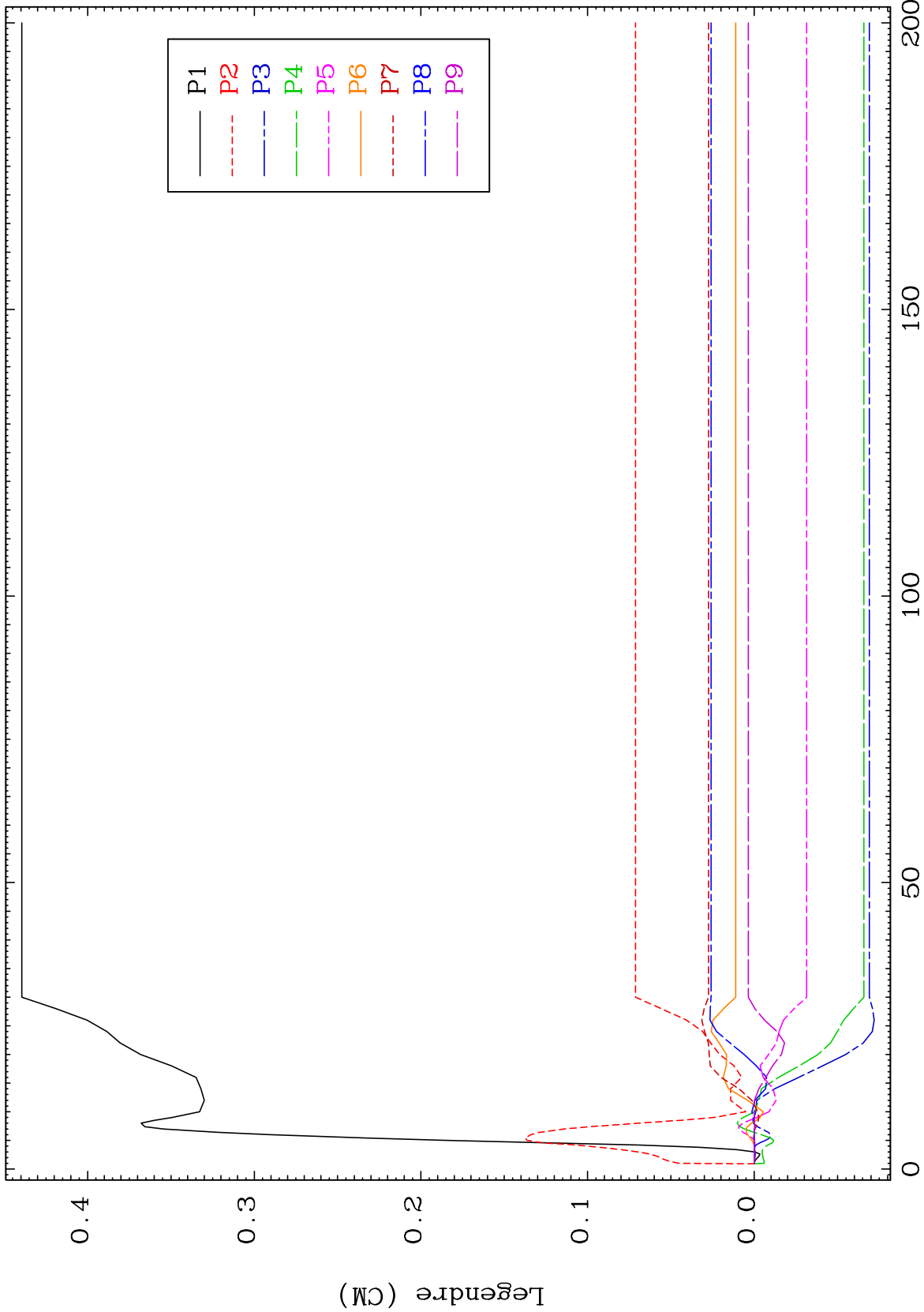
Incident Energy (MeV)

84-Po-199

MAT 8404

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

84-Po-199



28

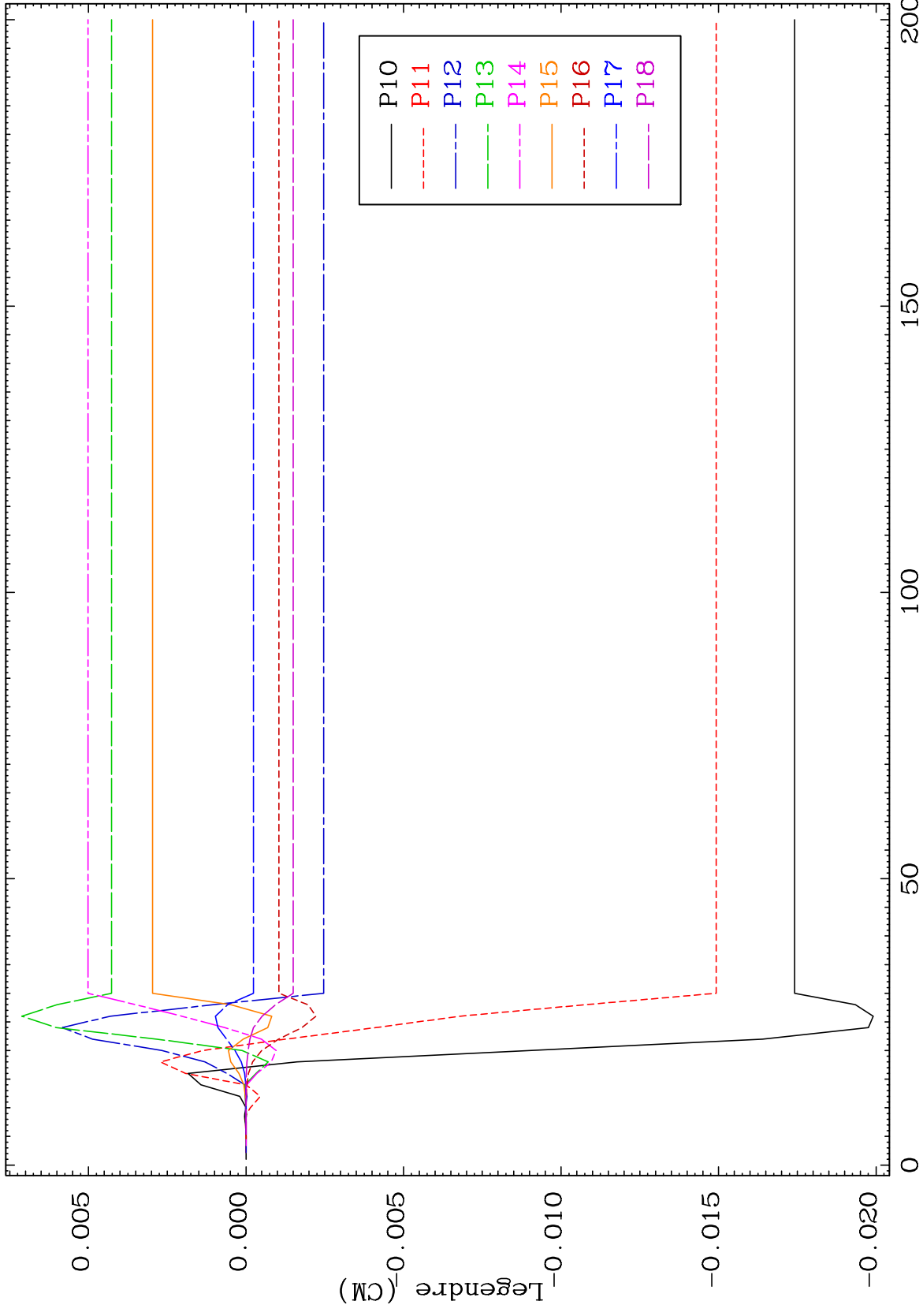
Incident Energy (MeV)

84-Po-199

MAT 8404

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

84-Po-199



29

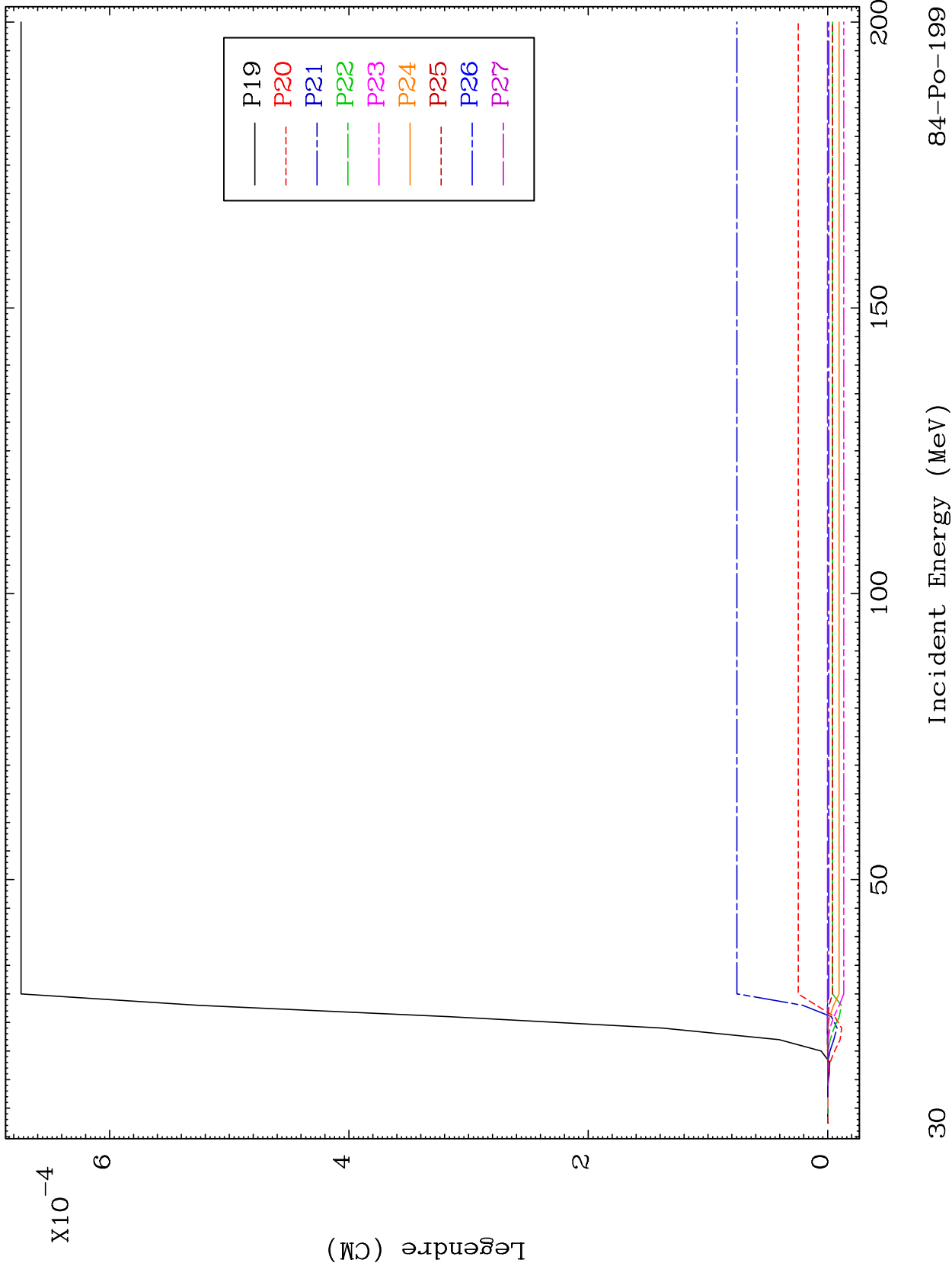
Incident Energy (MeV)

84-Po-199

MAT 8404

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

84-Po-199



30

50

100

150

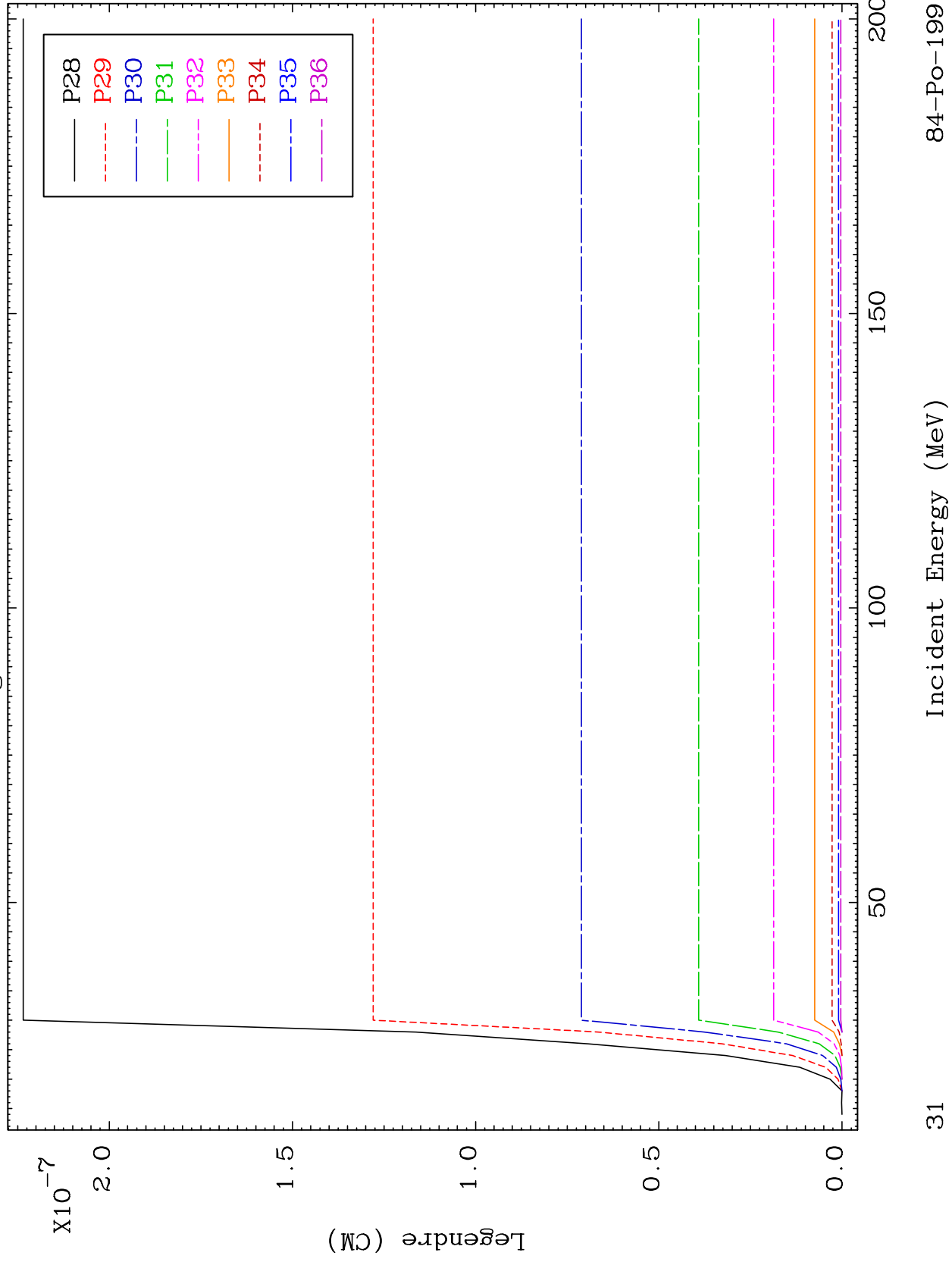
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84-Po-199

MAT 8404

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

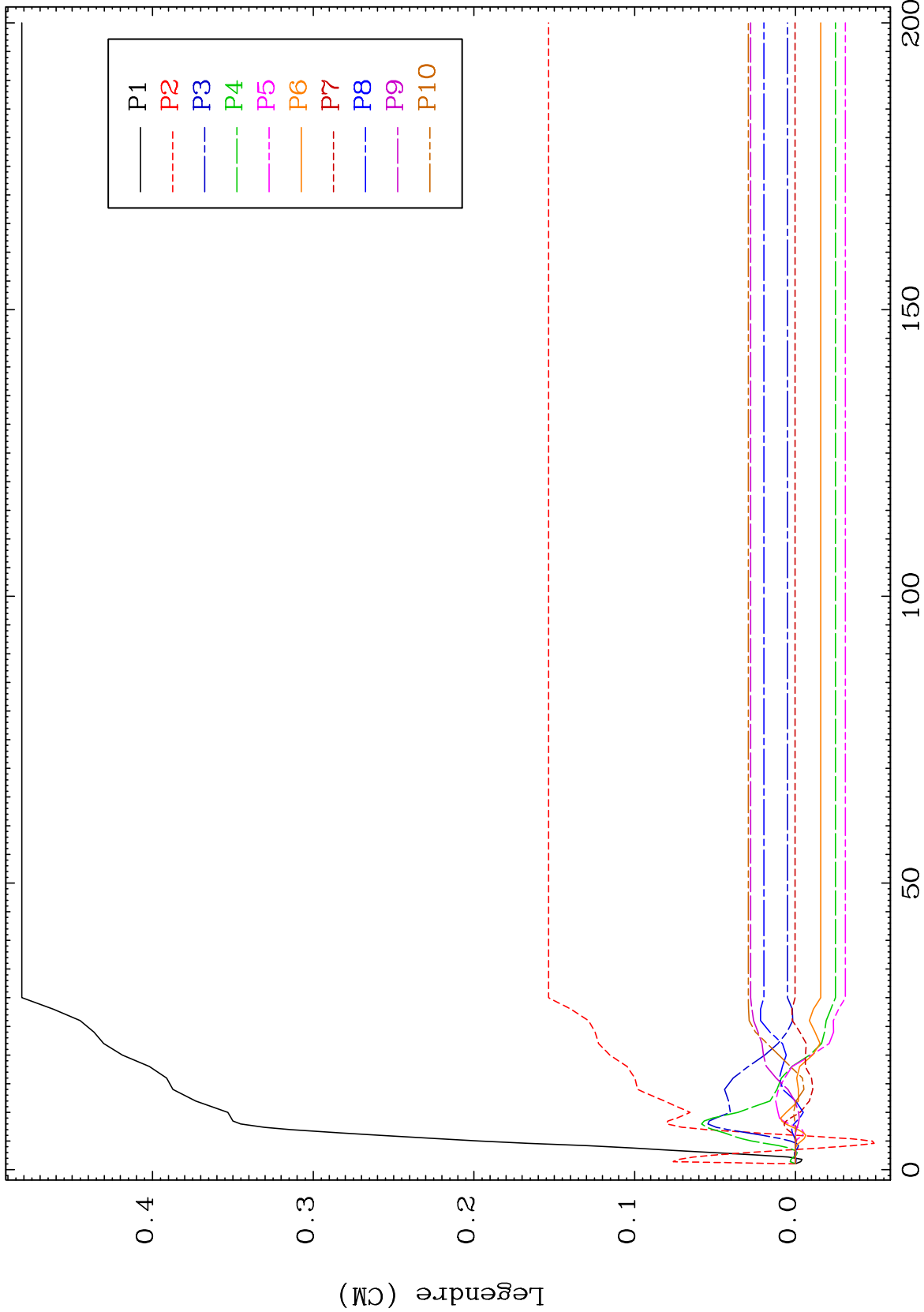
84-Po-199



MAT 8404

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

84-Po-199



32

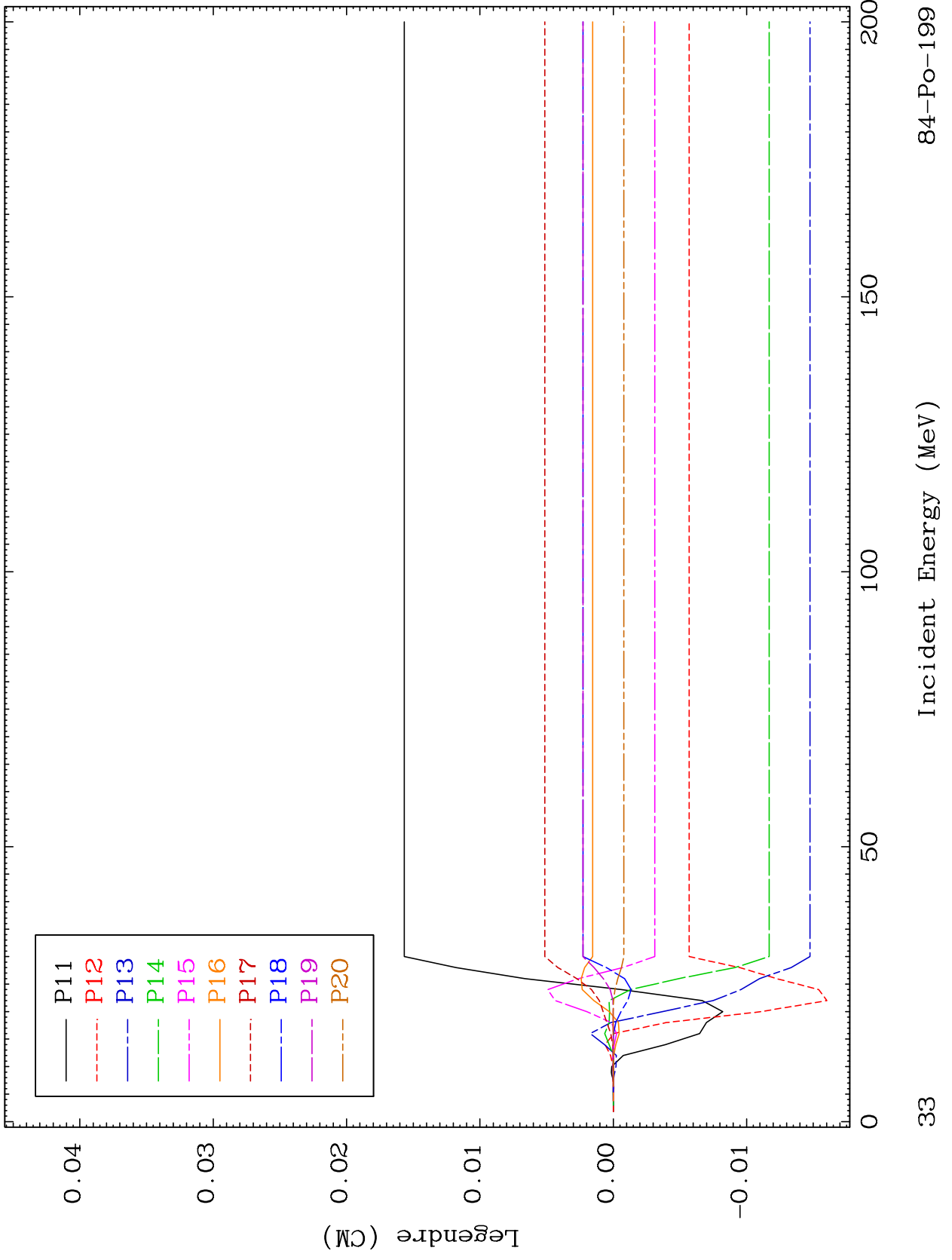
Incident Energy (MeV)

84-Po-199

MAT 8404

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

84-Po-199



33

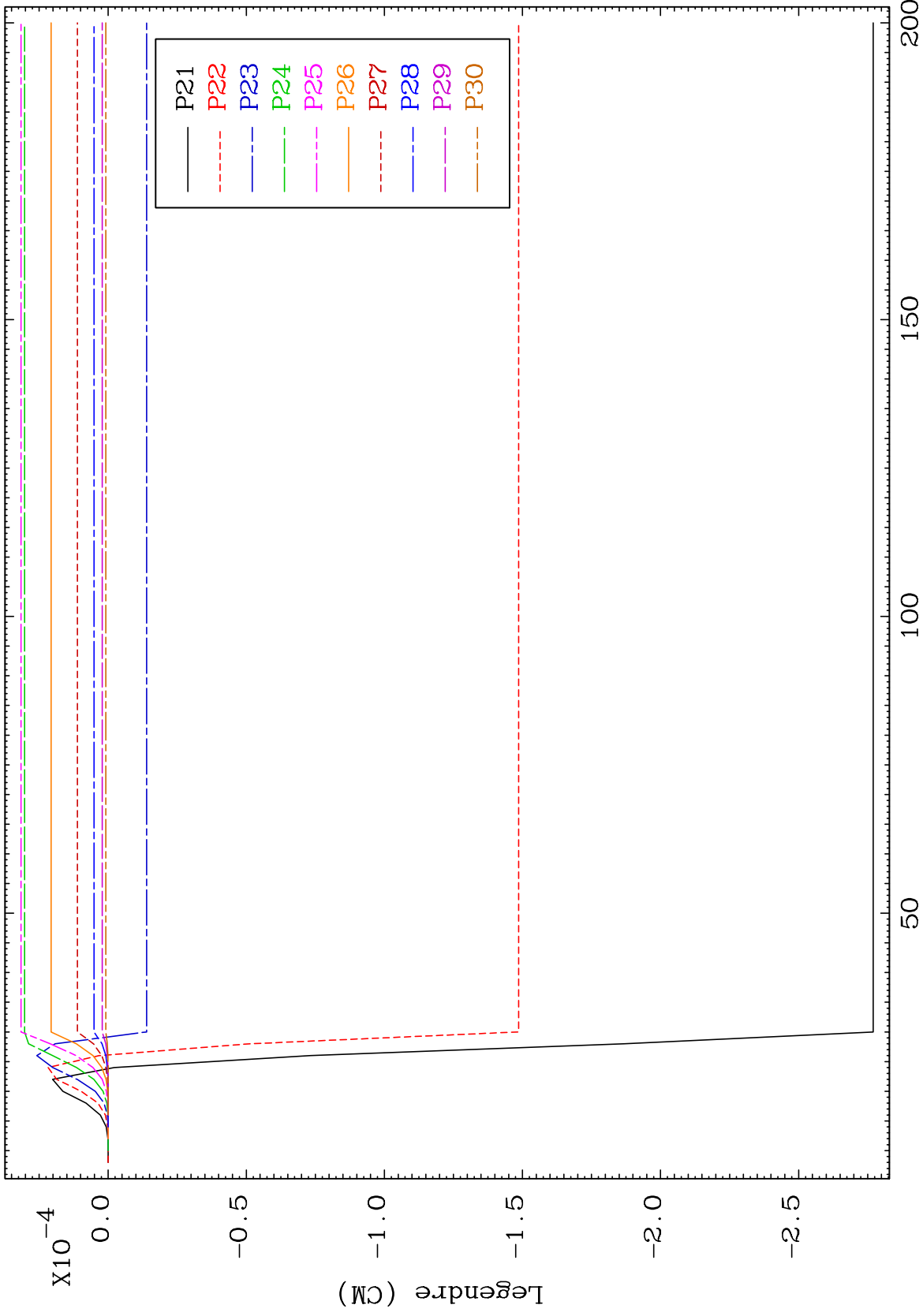
Incident Energy (MeV)

84-Po-199

MAT 8404

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

84-Po-199



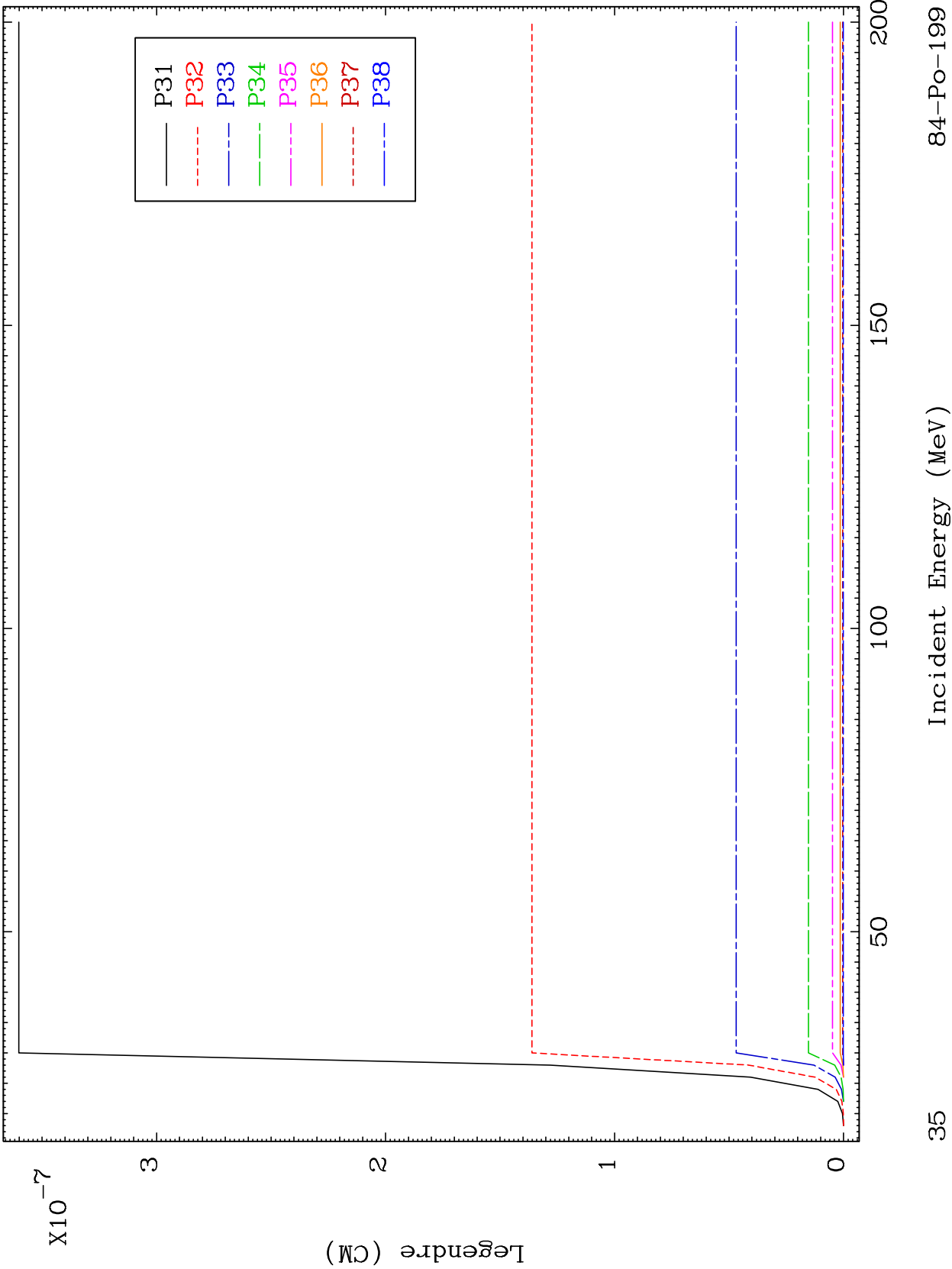
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84-Po-199

MAT 8404

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

84-Po-199



35

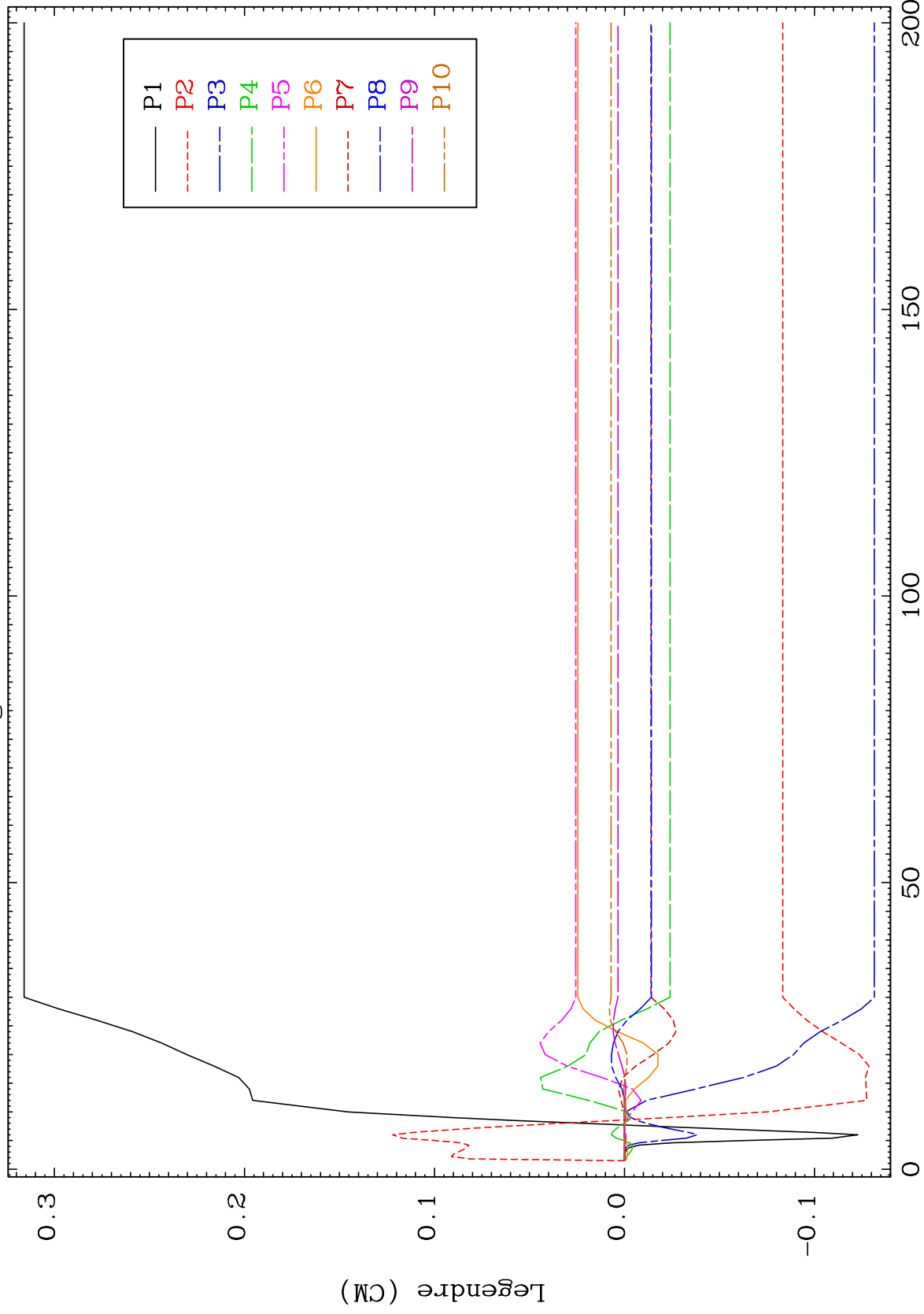
Incident Energy (MeV)

84-Po-199

MAT 8404

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

84-Po-199



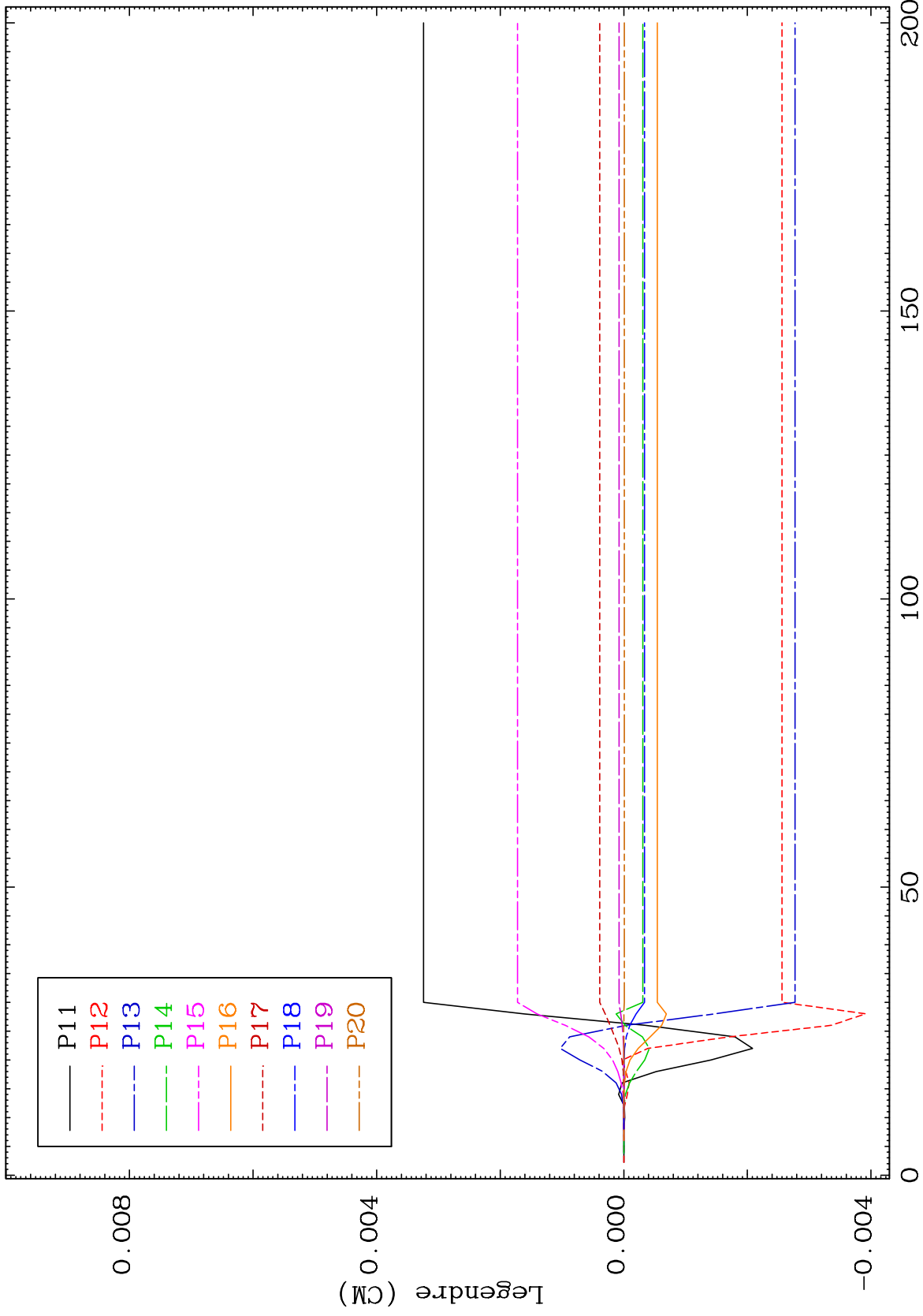
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84-Po-199

MAT 8404

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

84-Po-199



37

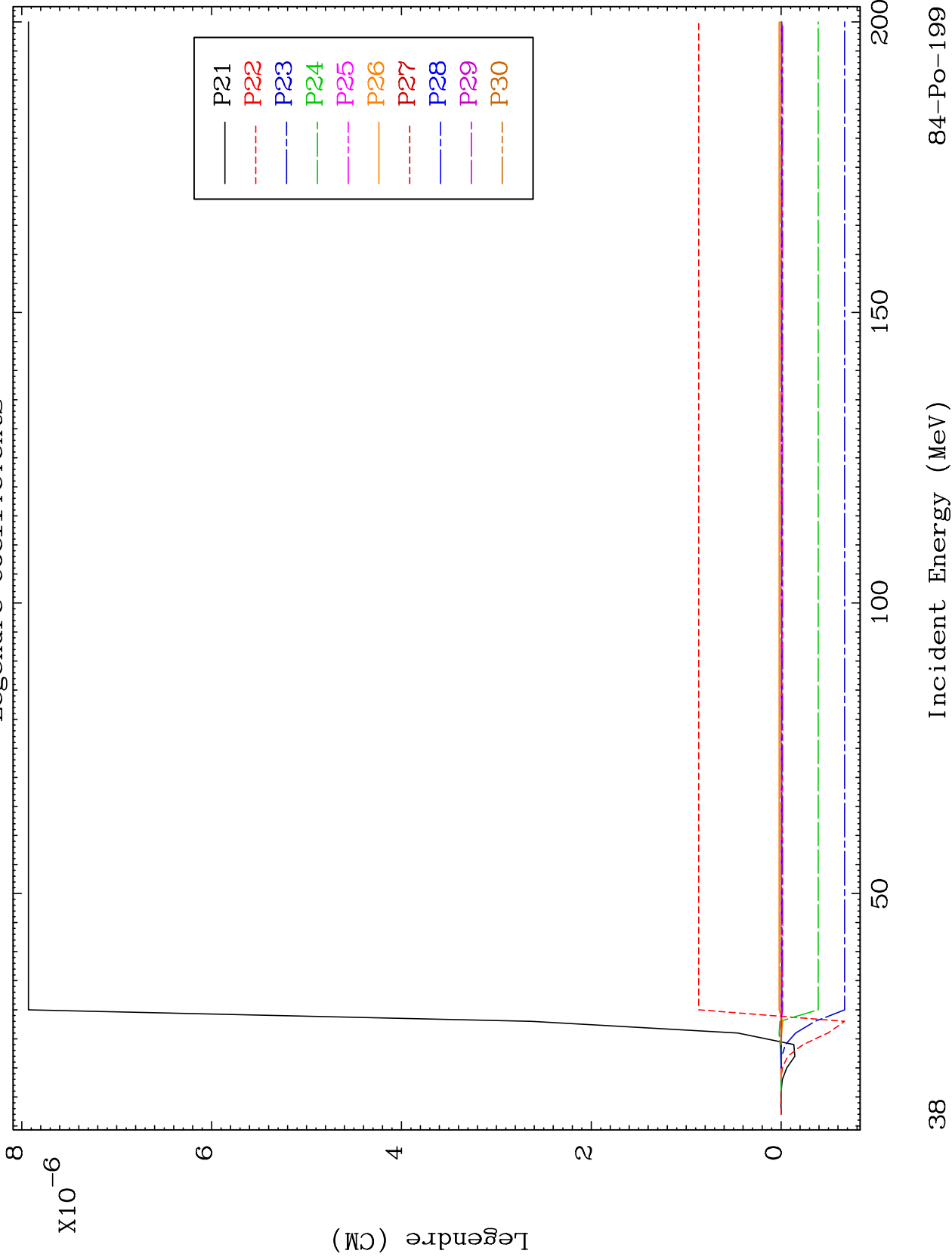
Incident Energy (MeV)

84-Po-199

MAT 8404

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

84-Po-199



38

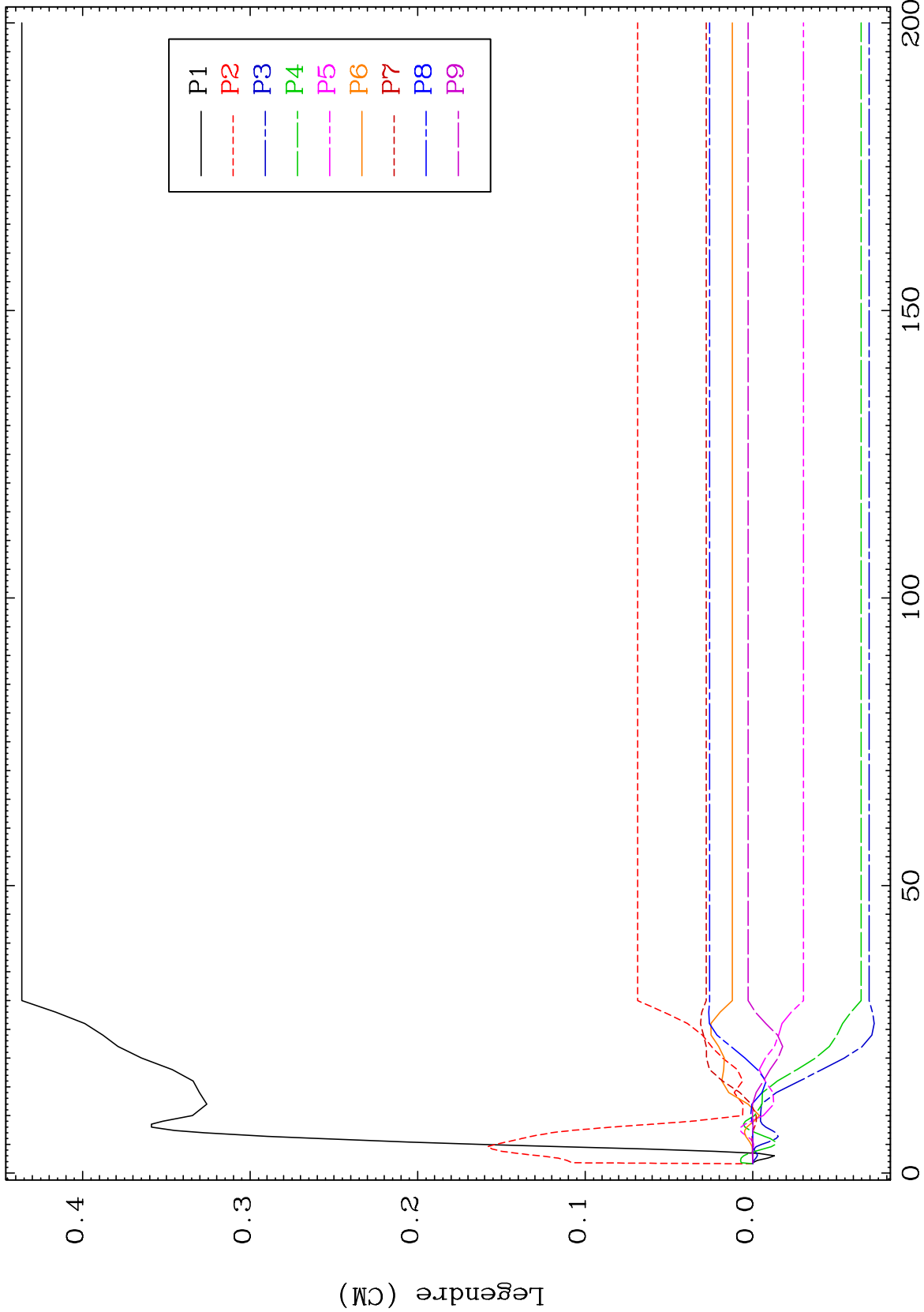
Incident Energy (MeV)

84-Po-199

MAT 8404

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

84-Po-199



39

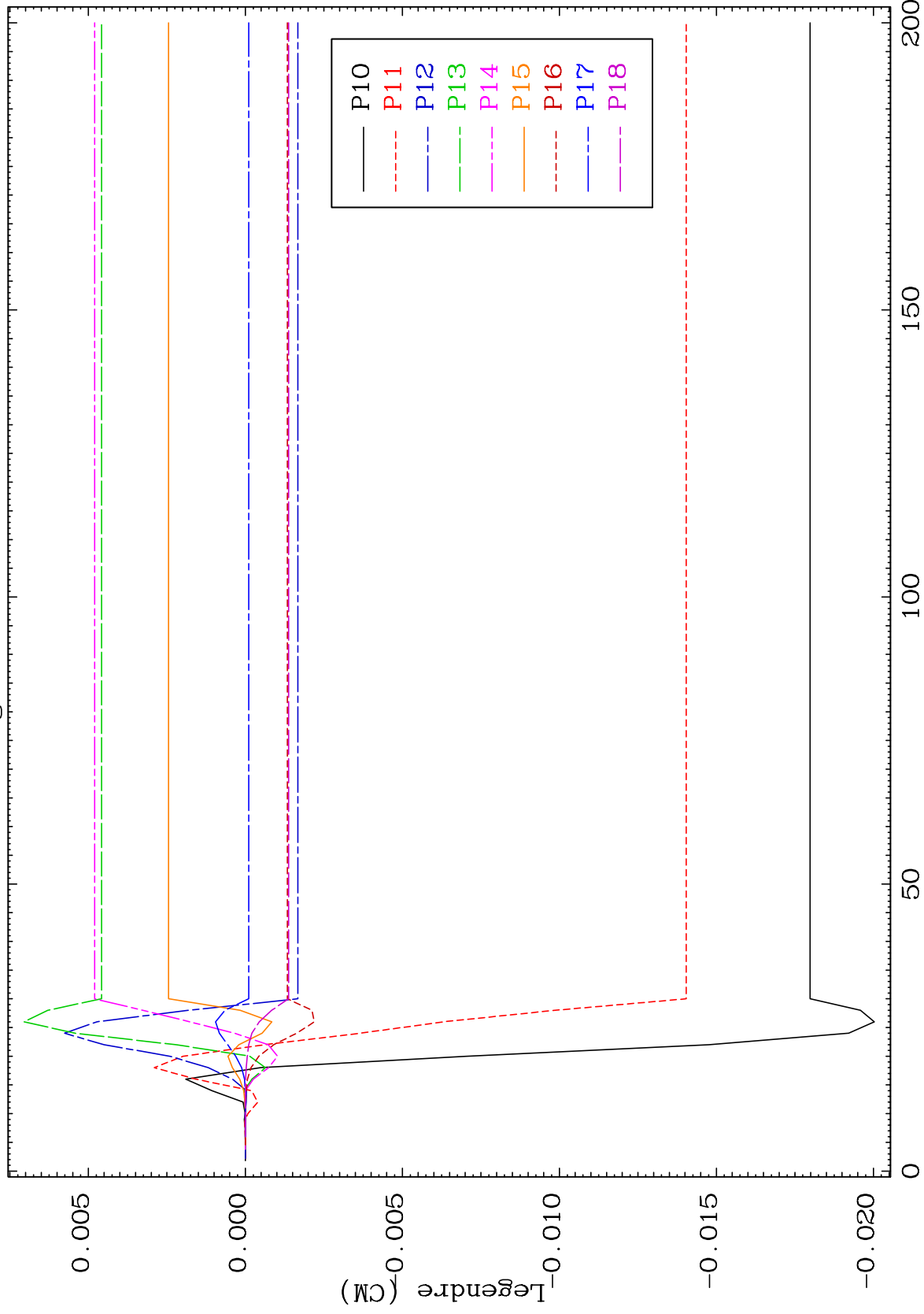
Incident Energy (MeV)

84-Po-199

MAT 8404

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

84-Po-199



84-Po-199

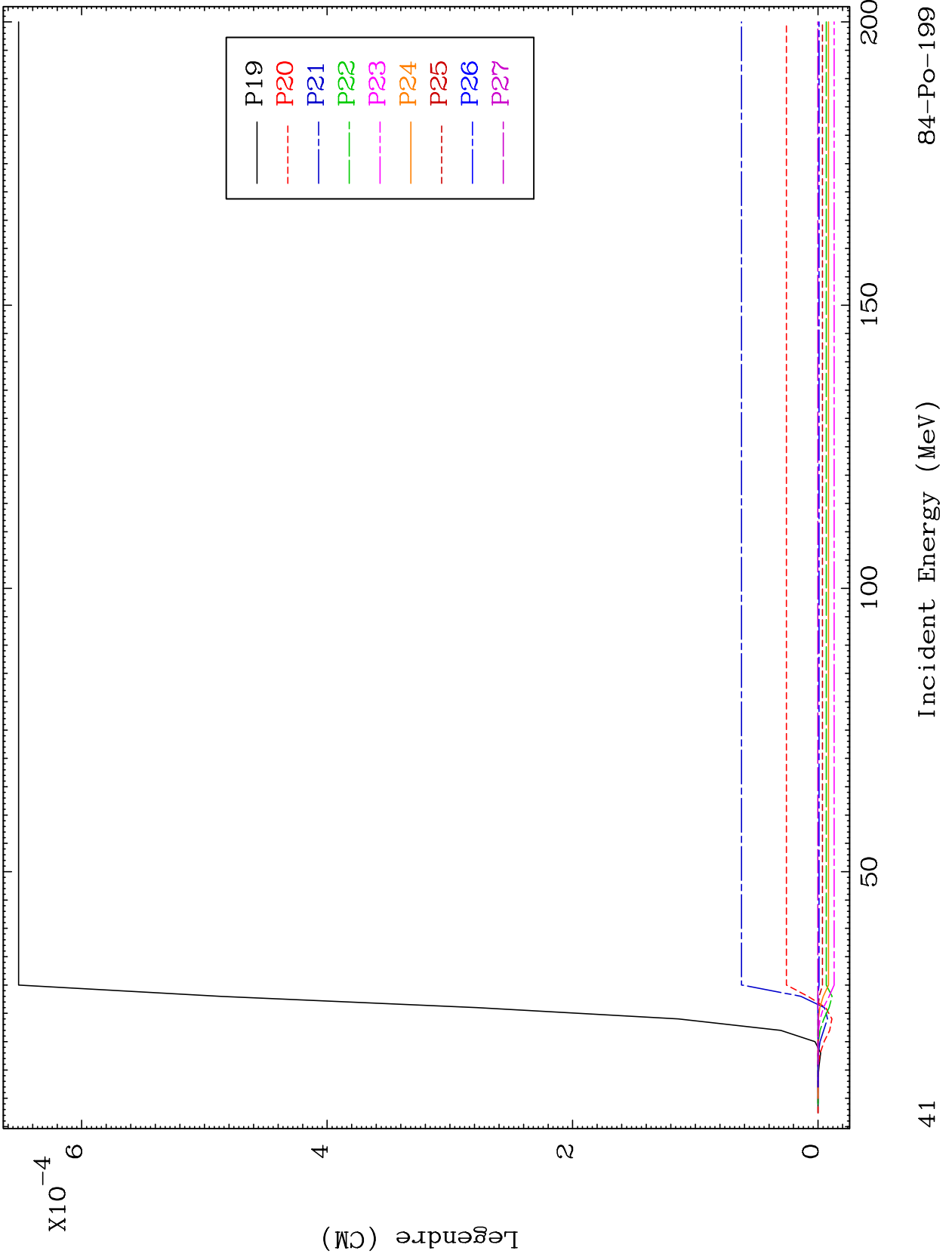
Incident Energy (MeV)

40

MAT 8404

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

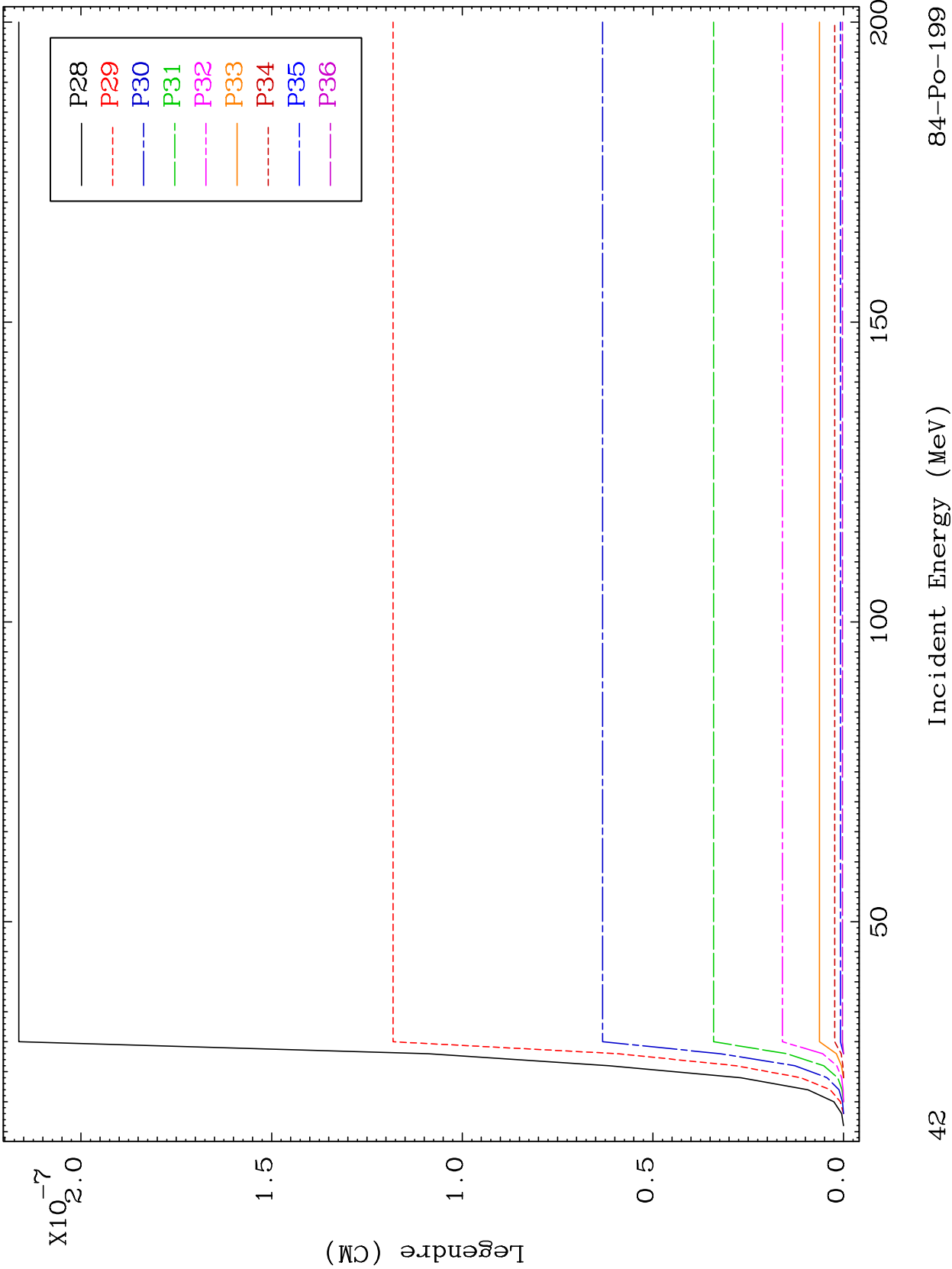
84-Po-199



MAT 8404

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

84-Po-199



42

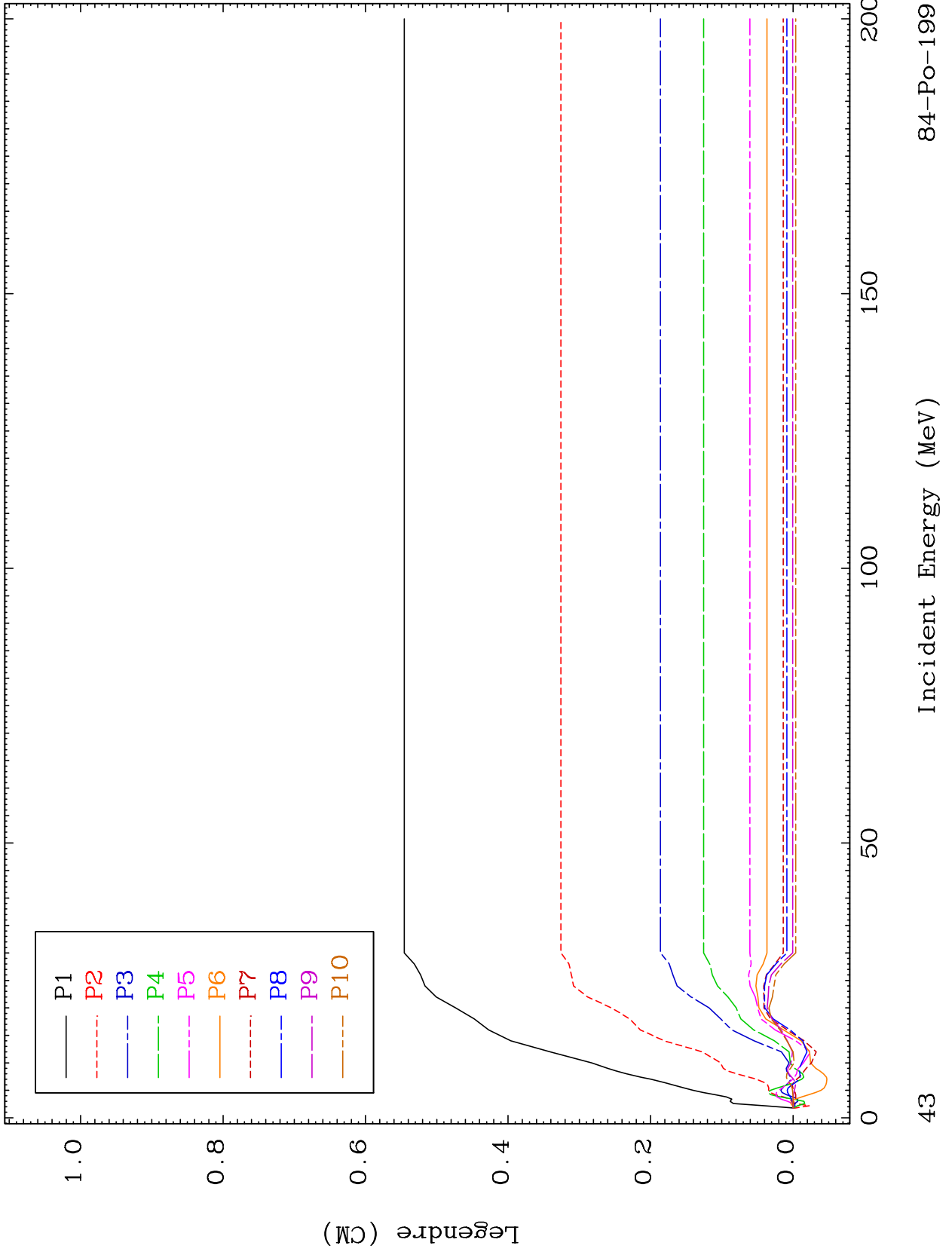
Incident Energy (MeV)

84-Po-199

MAT 8404

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

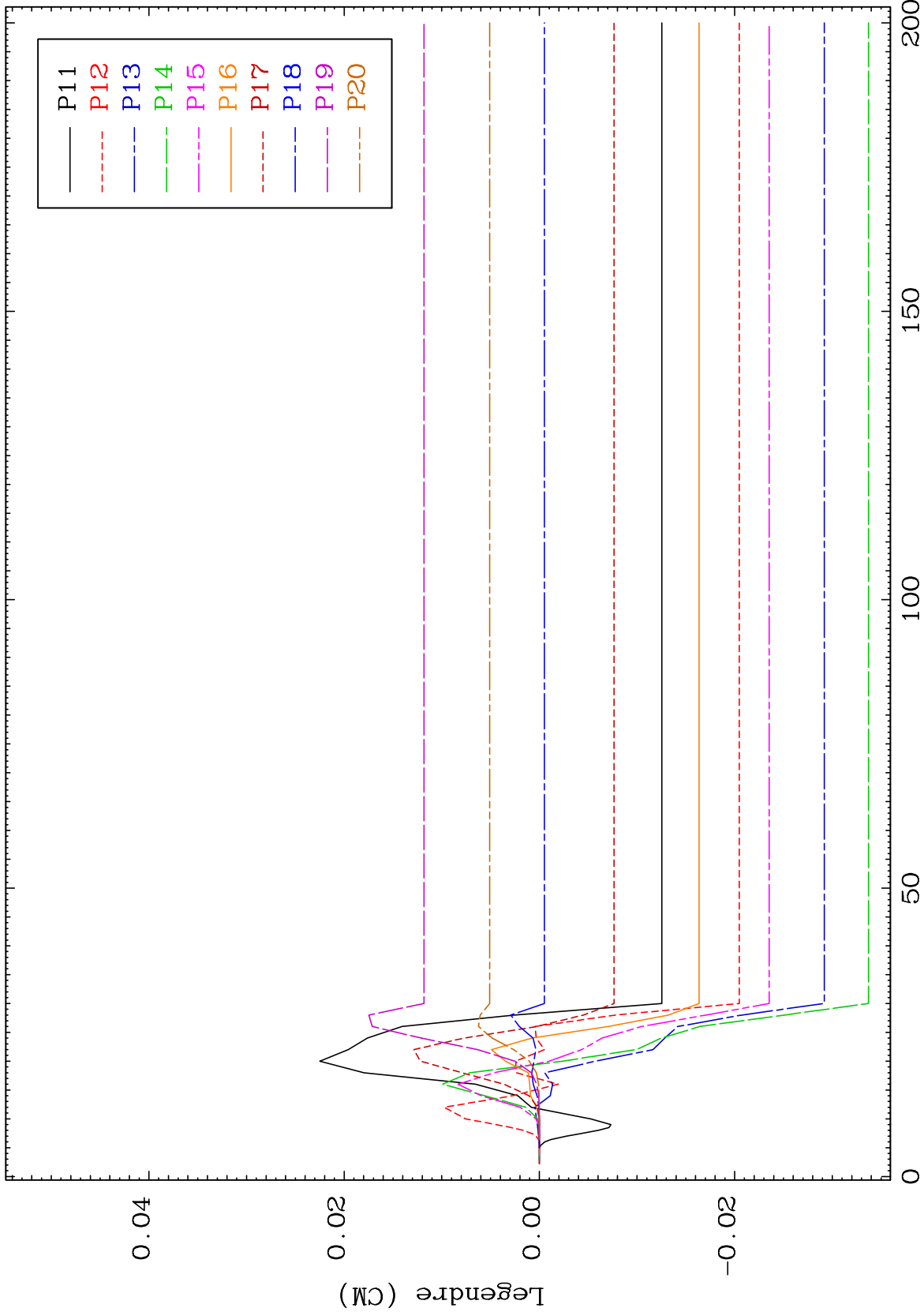
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MAT 8404

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

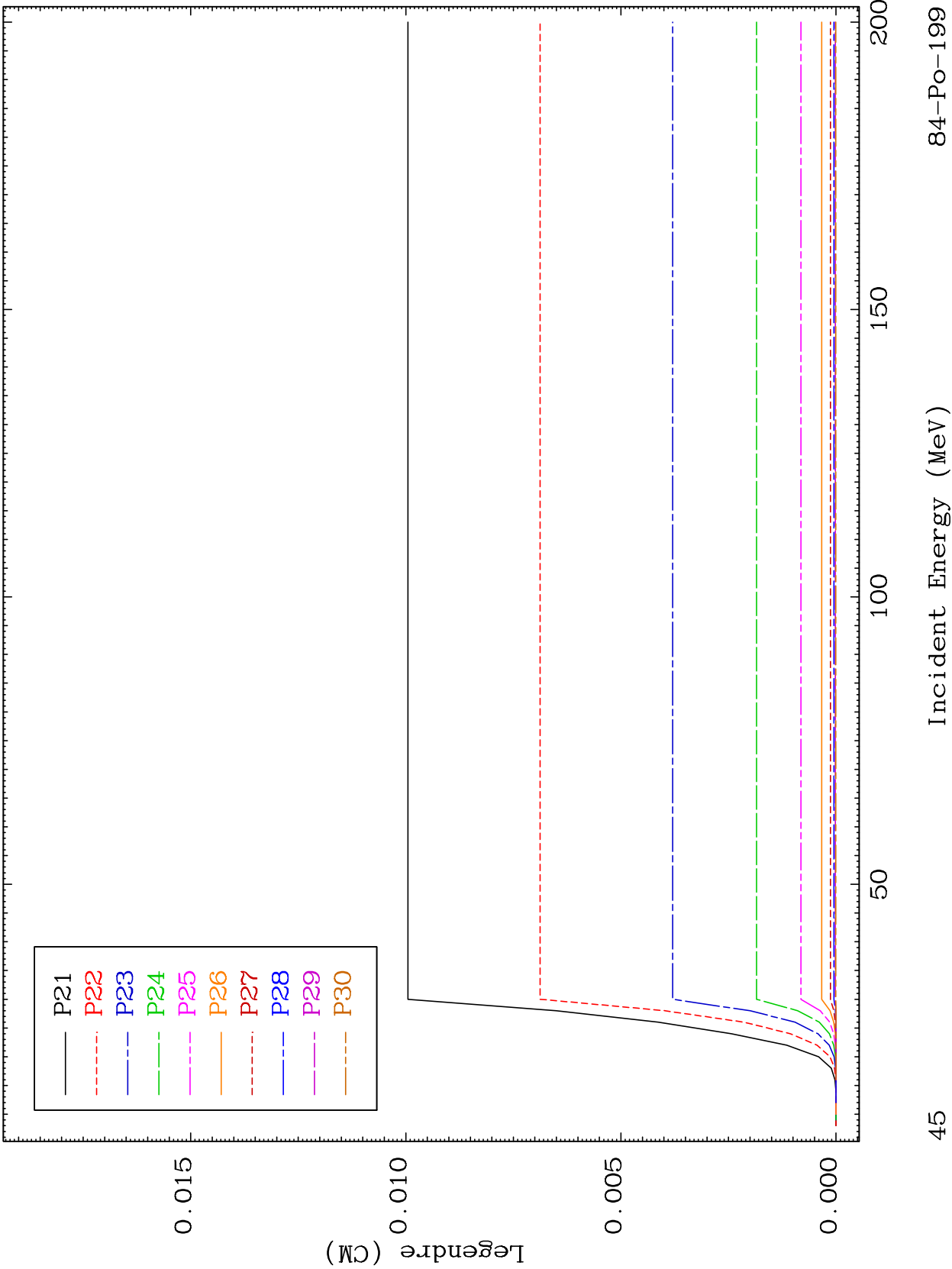
84-Po-199



MAT 8404

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

84-Po-199



45

Incident Energy (MeV)

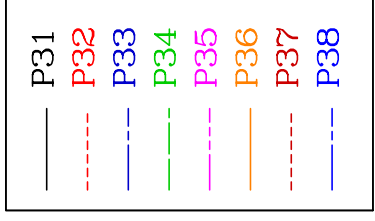
84-Po-199

MAT 8404

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

84-Po-199

$\times 10^{-6}$



Legendre (CM)

200

150

100

50

46

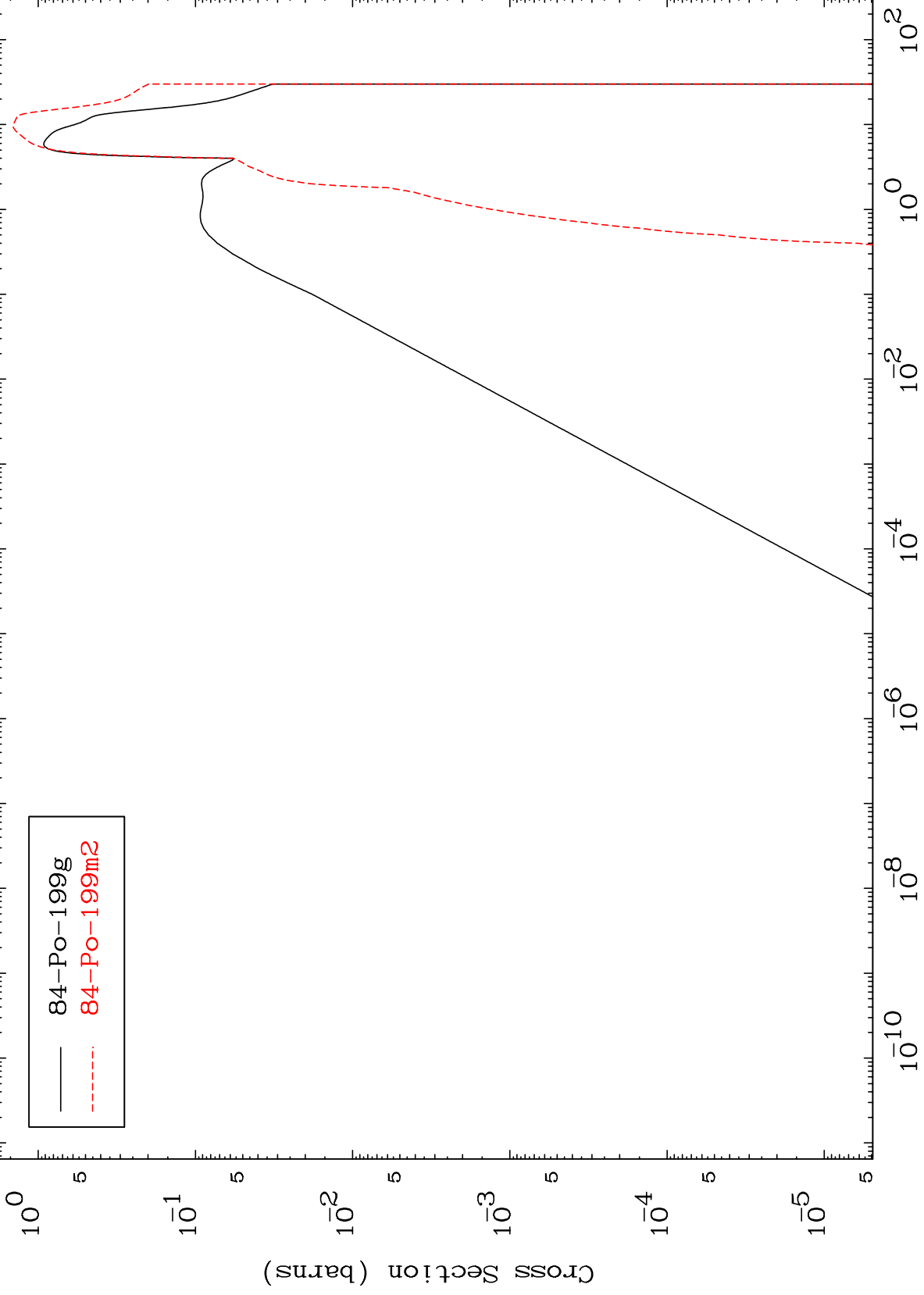
Incident Energy (MeV)

84-Po-199

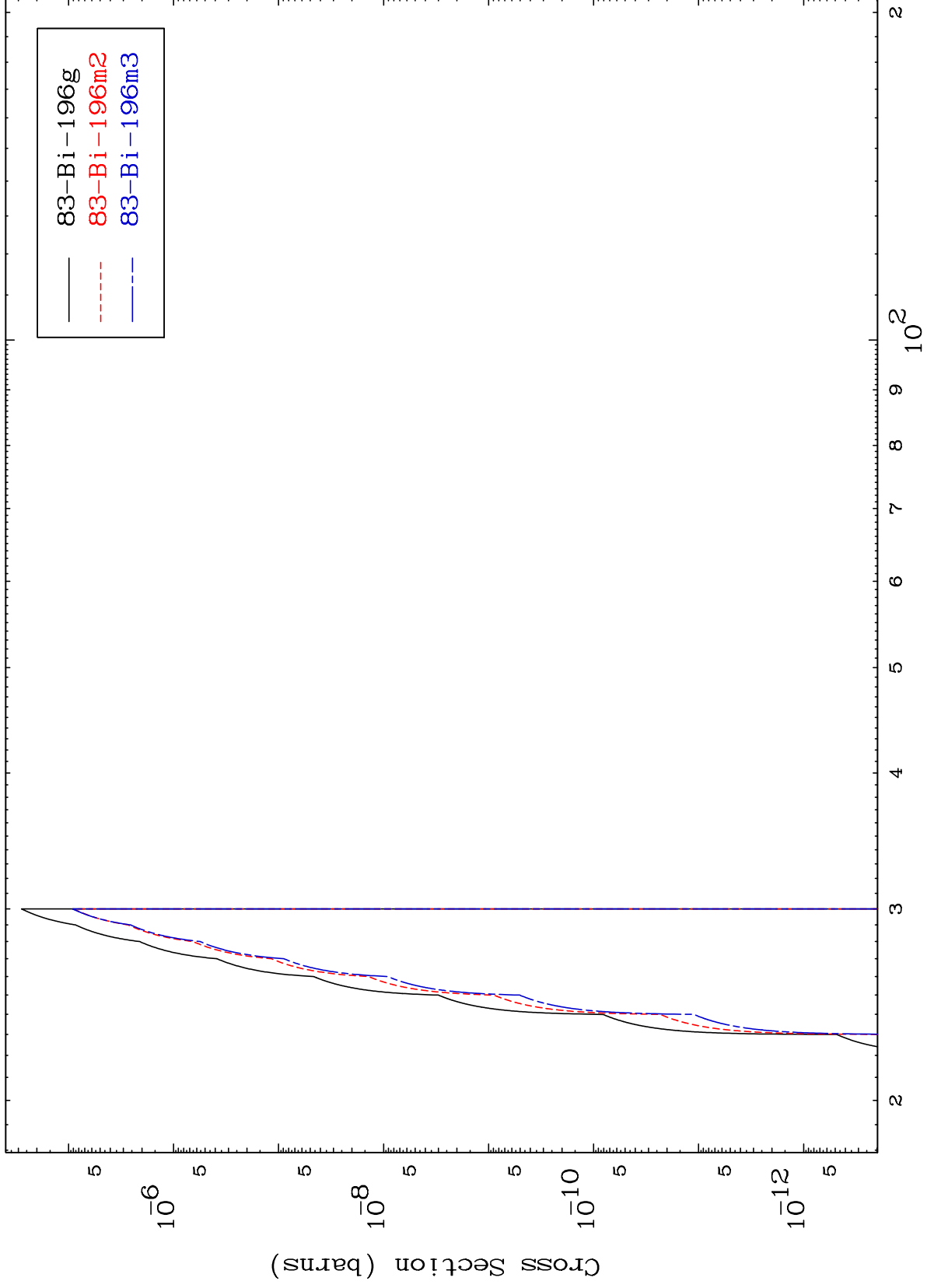
MAT 8404

Inelastic
Radionuclide Production Cross Section

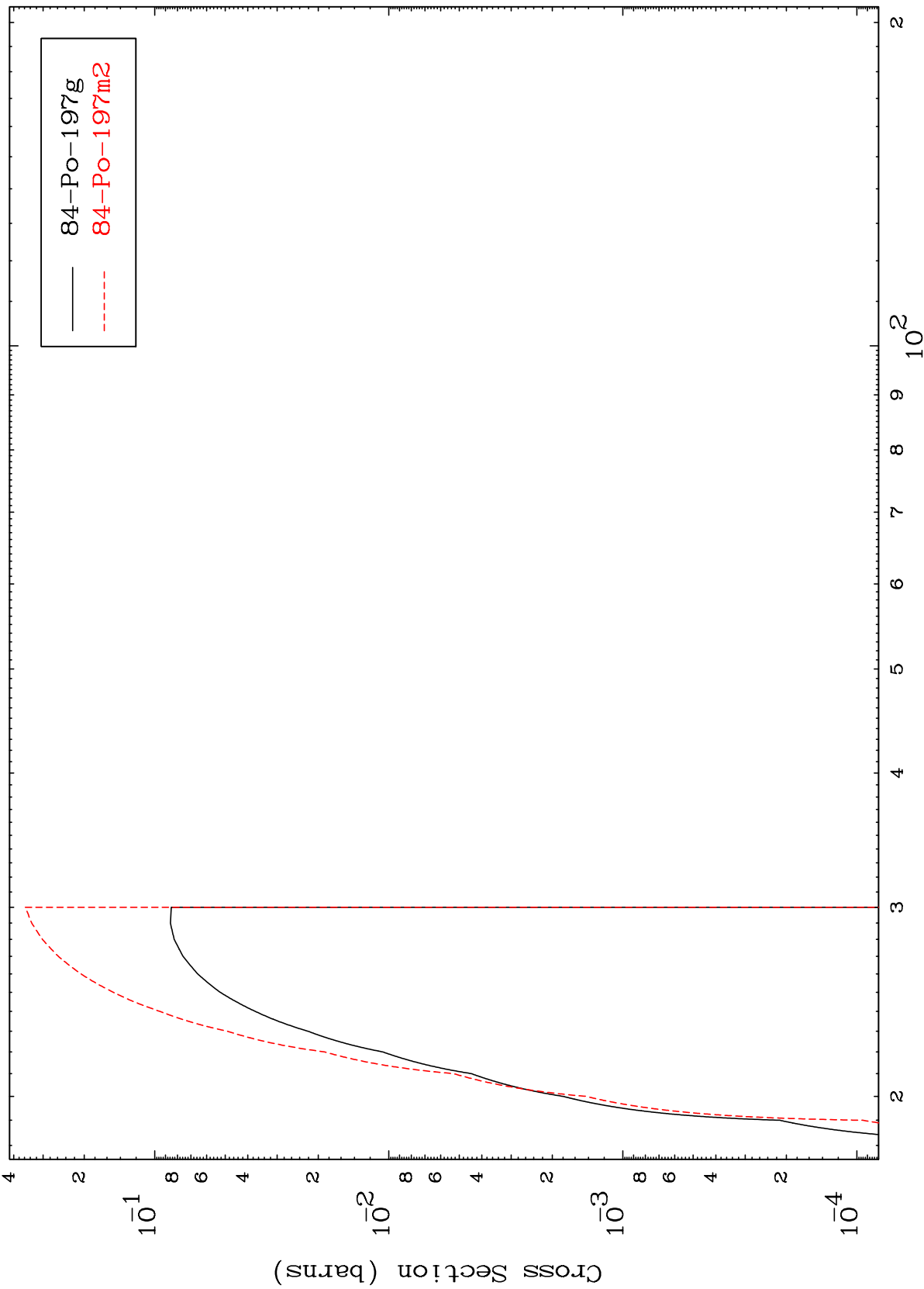
84-Po-199



Radionuclide Production Cross Section



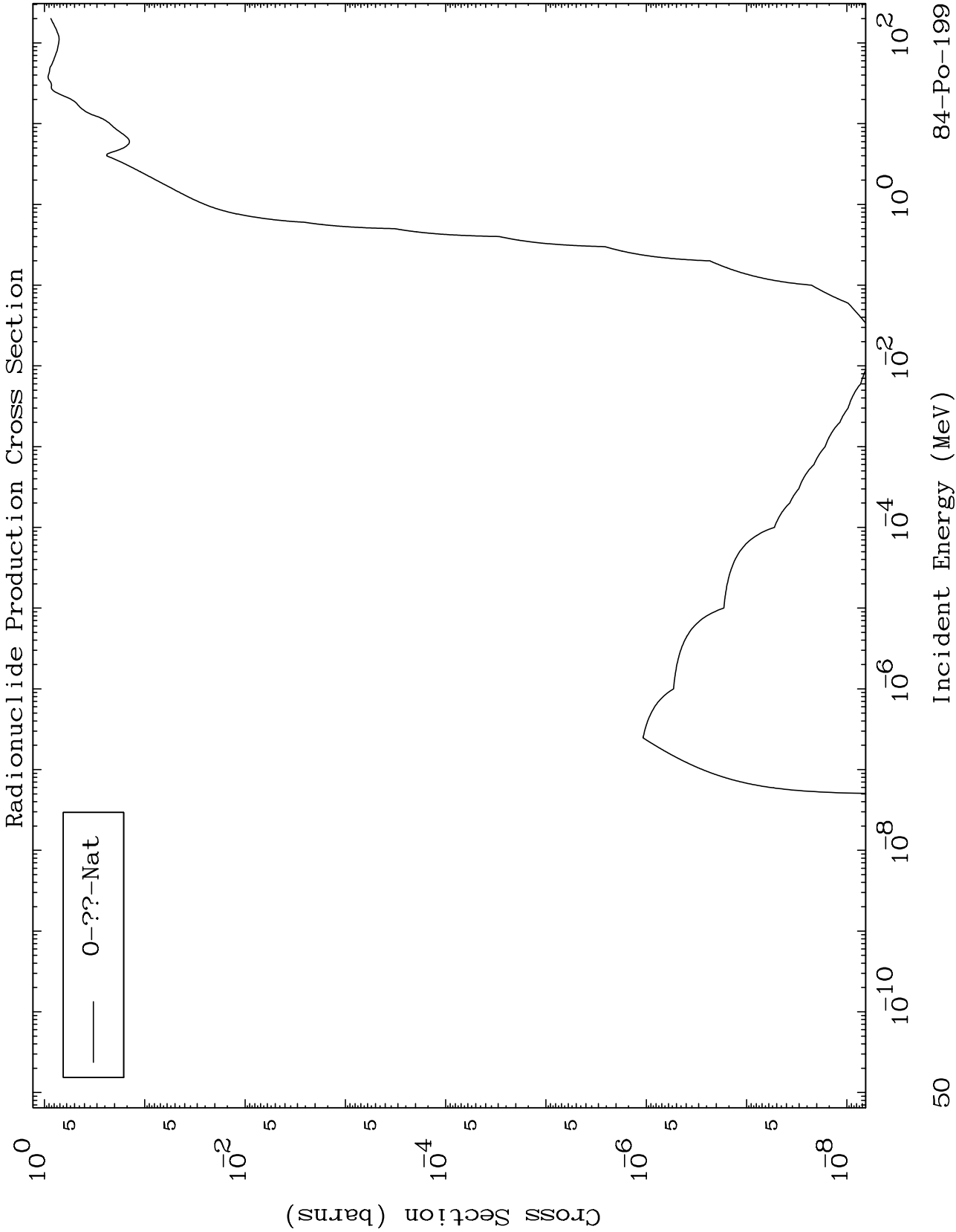
(n,3n)
Radionuclide Production Cross Section



MAT 8404

Fission

84-Po-199

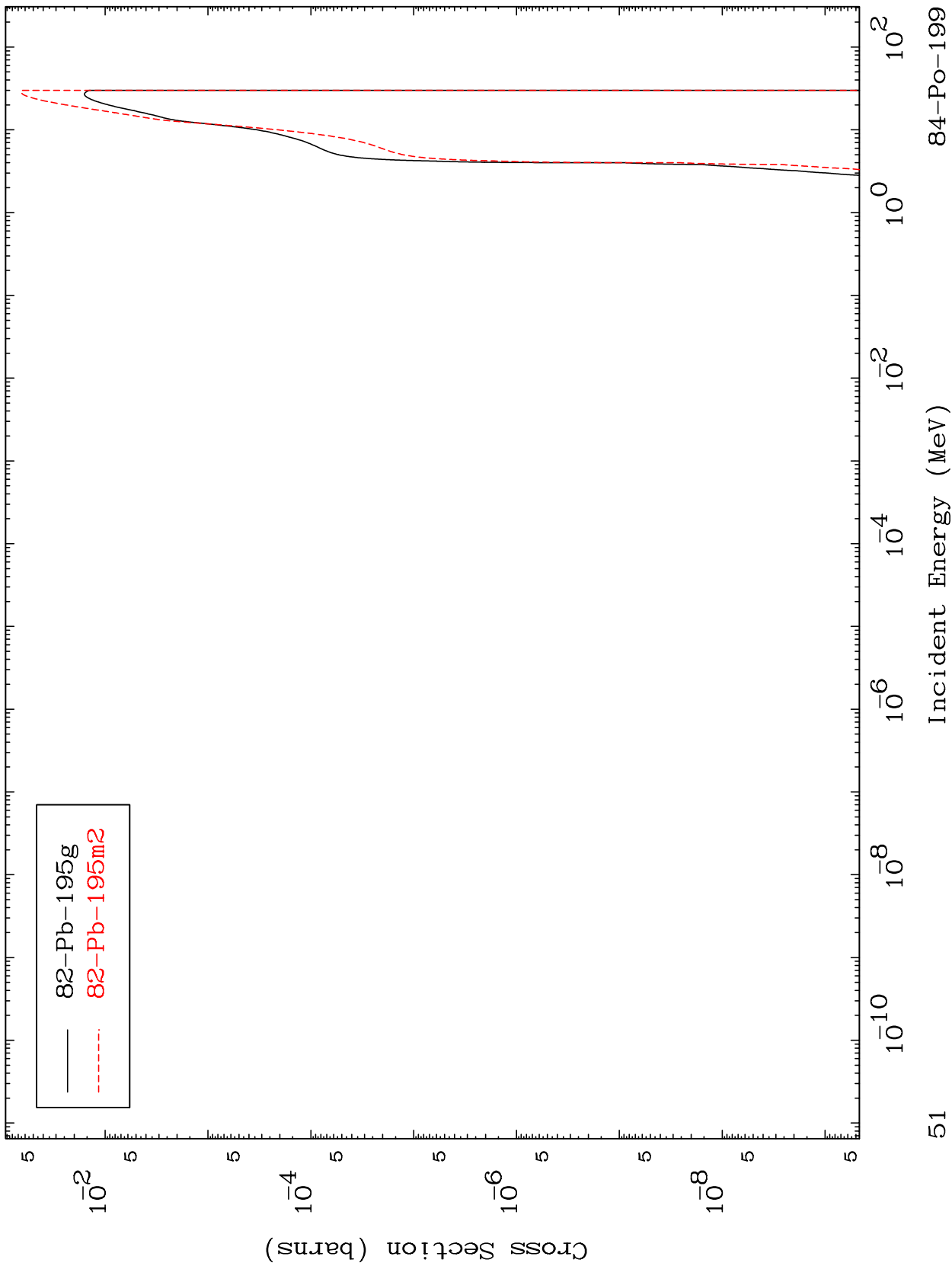


MAT 8404

(n,n') α

84-Po-199

Radionuclide Production Cross Section

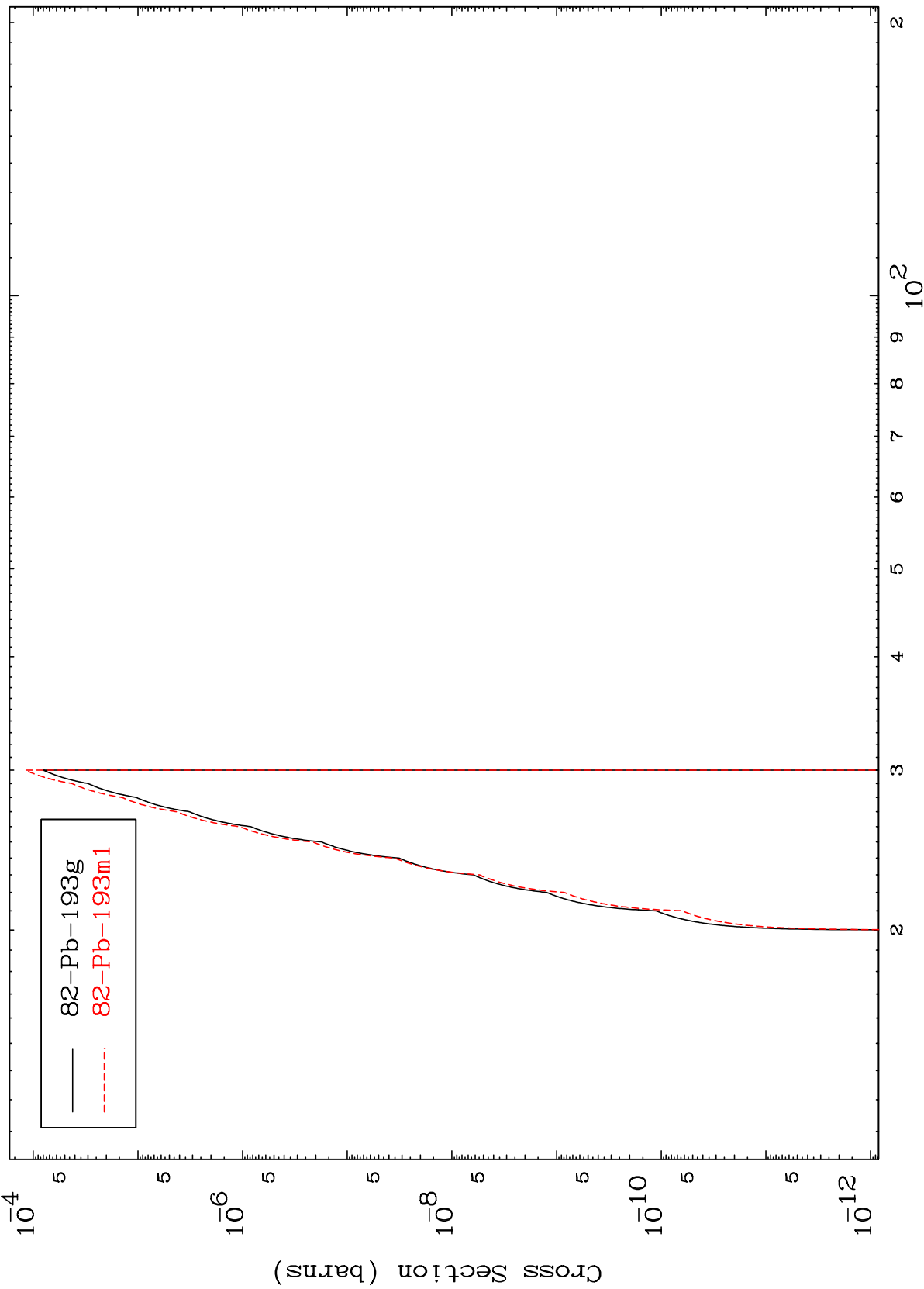


MAT 8404

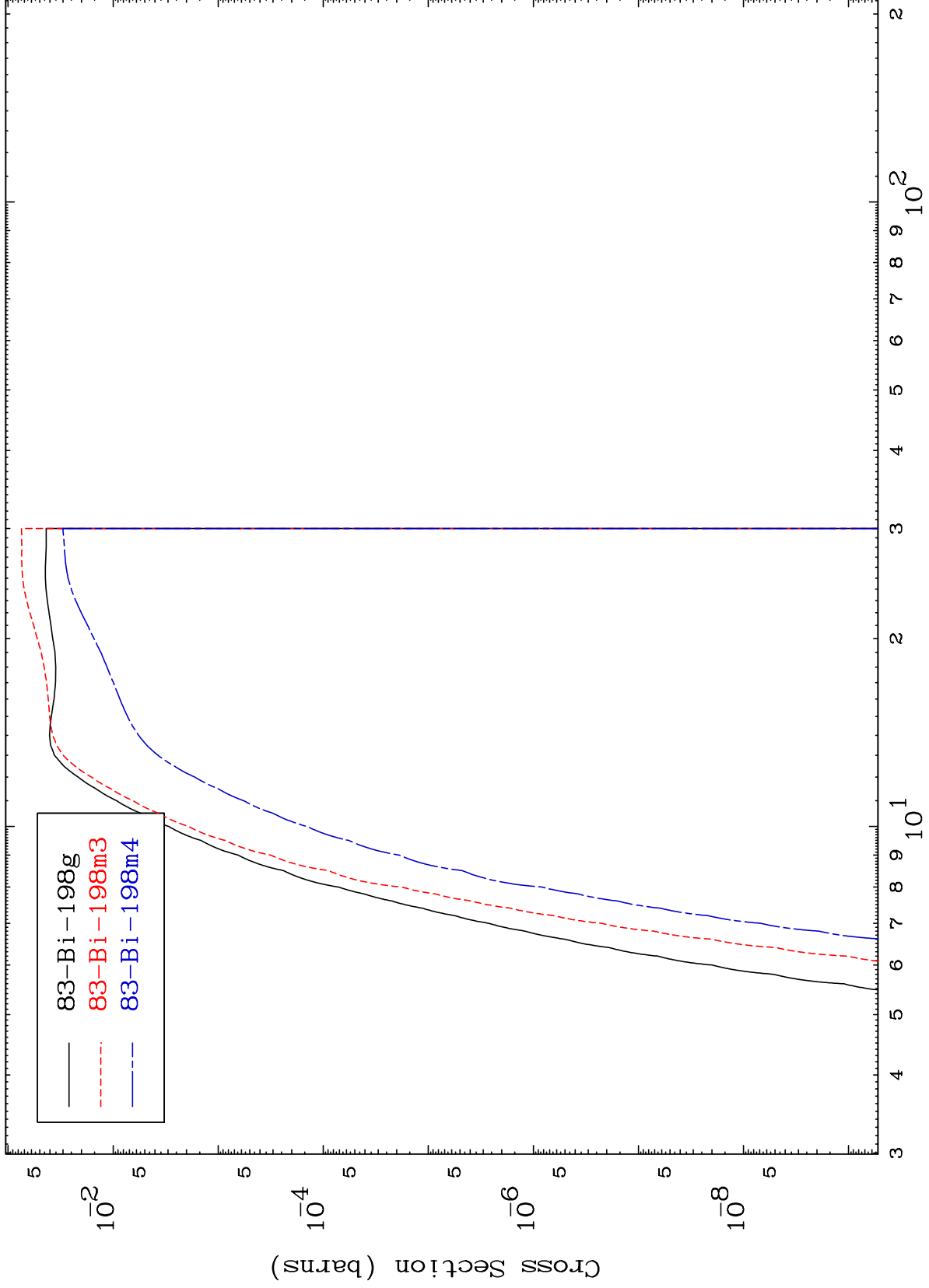
(n,3n) α

84-Po-199

Radionuclide Production Cross Section



Radionuclide Production Cross Section

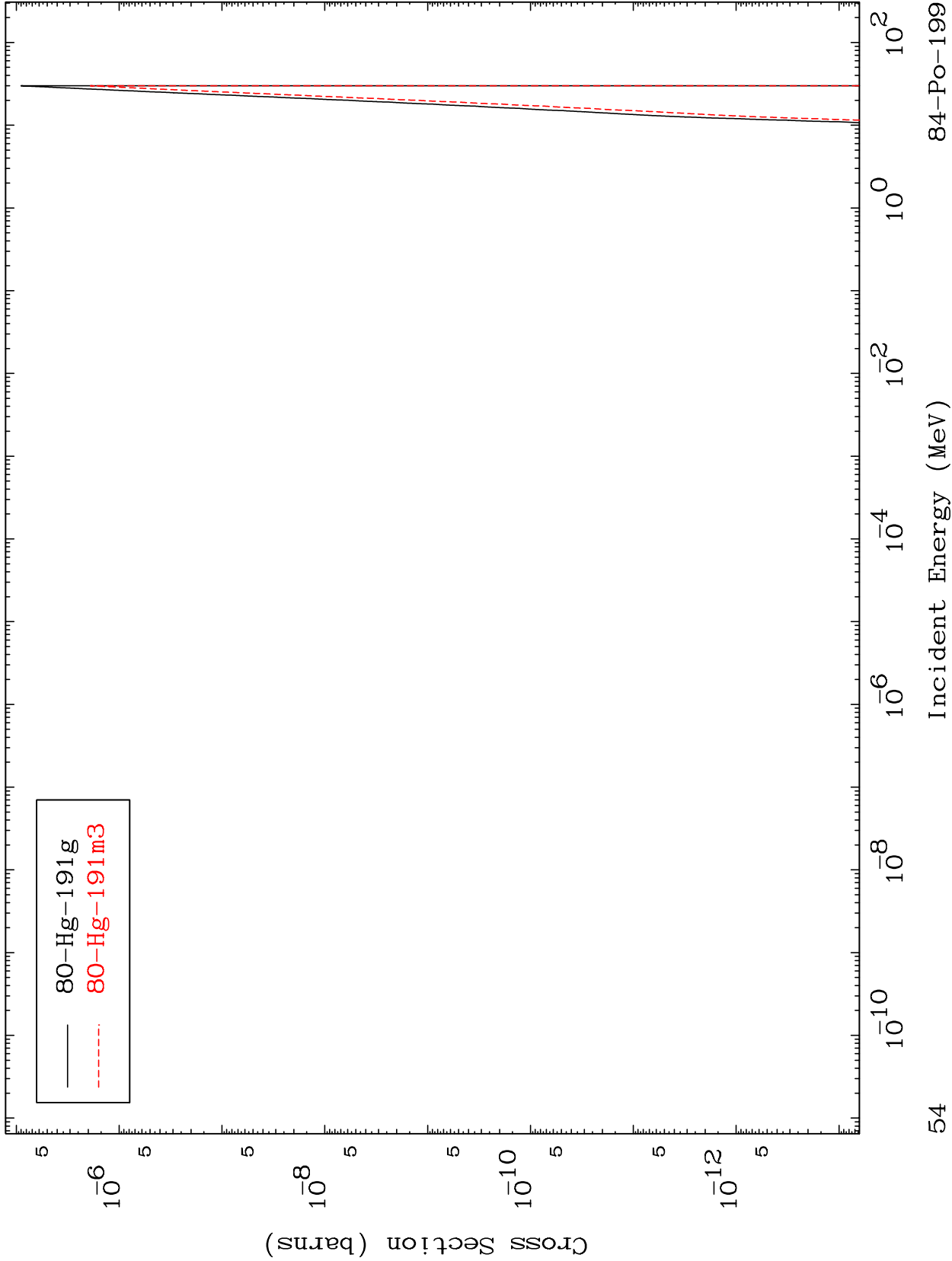


MAT 8404

(n,n') 2α

84-Po-199

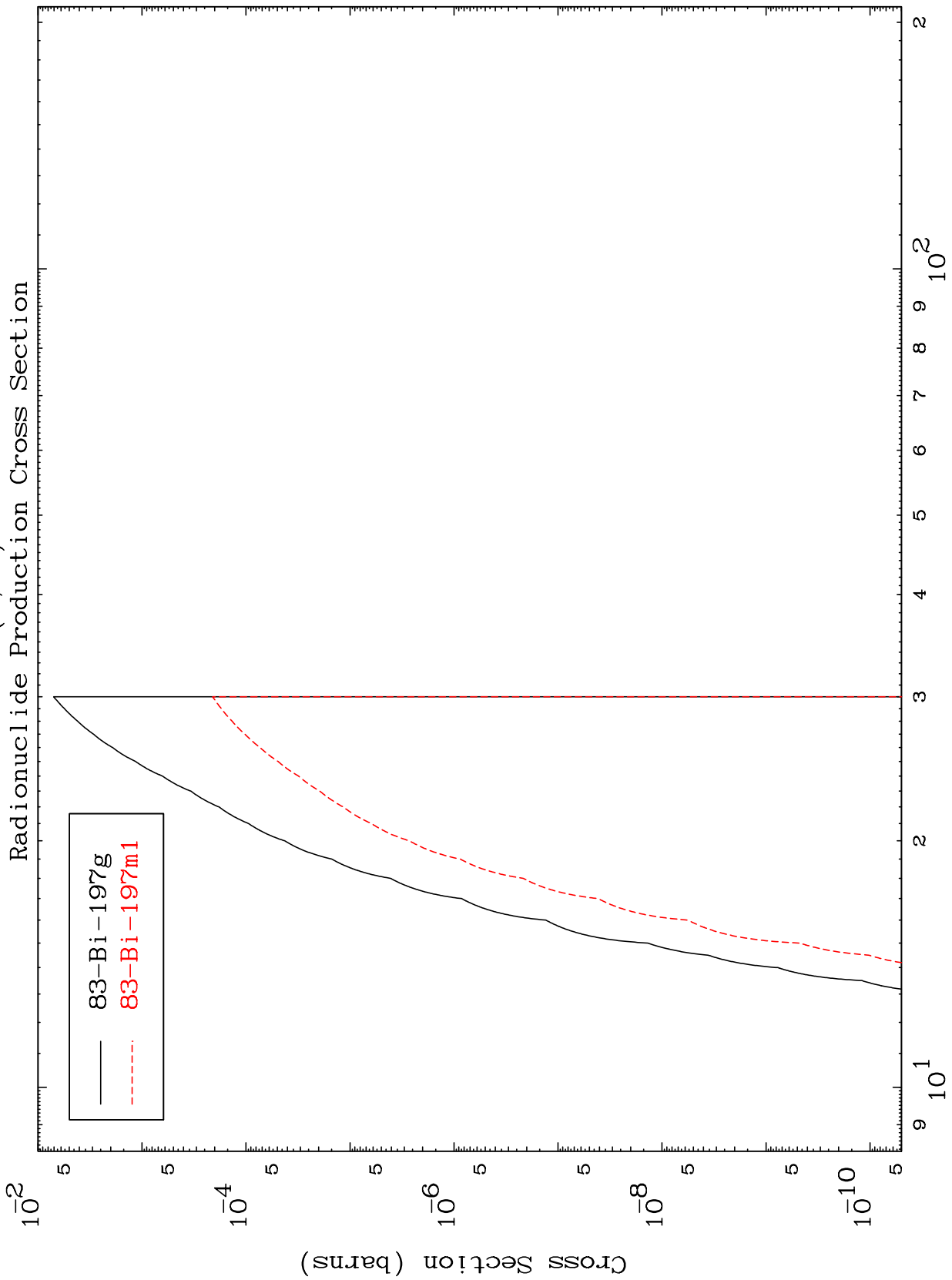
Radionuclide Production Cross Section



MAT 8404

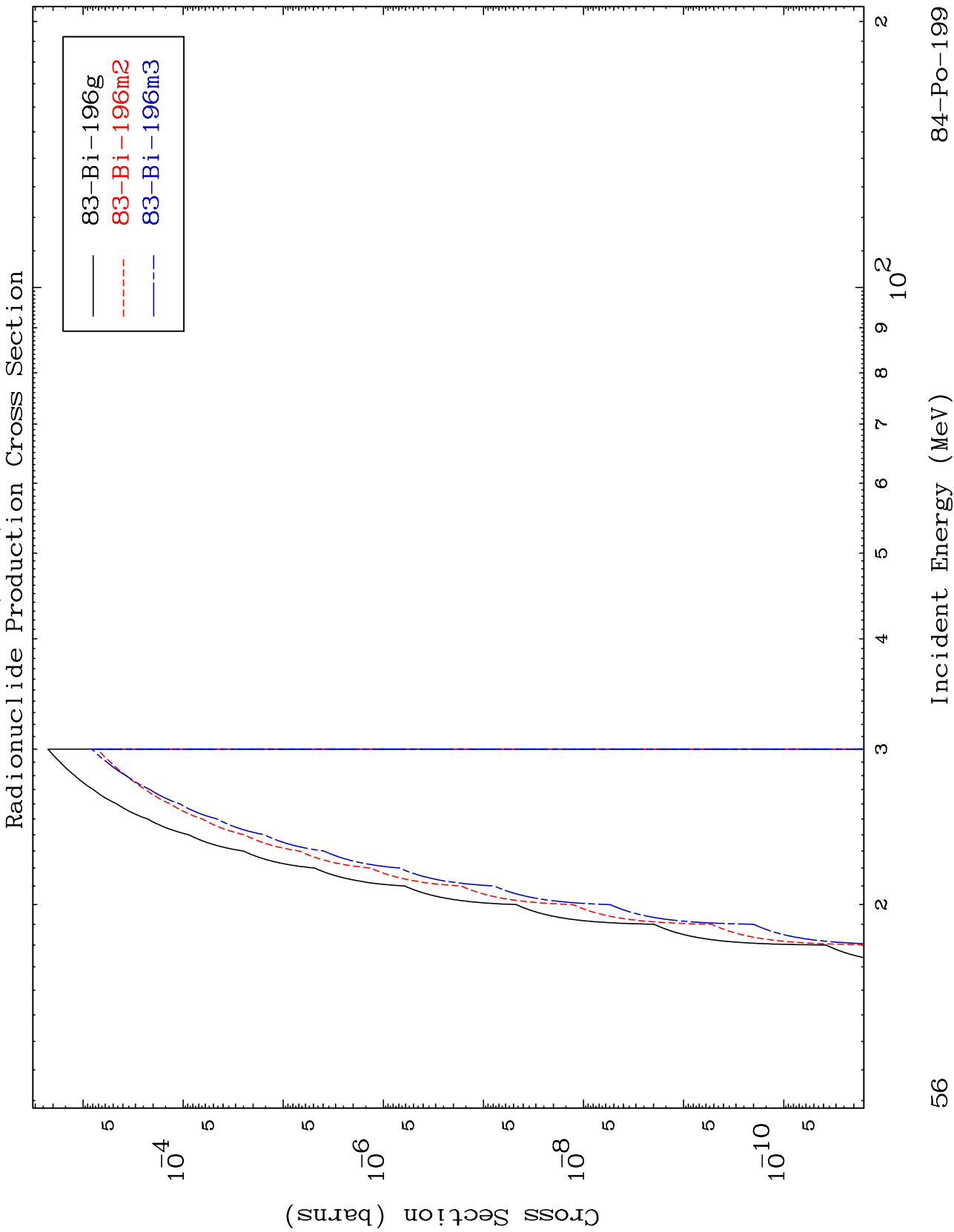
(n,n') d

84-Po-199



55

84-Po-199

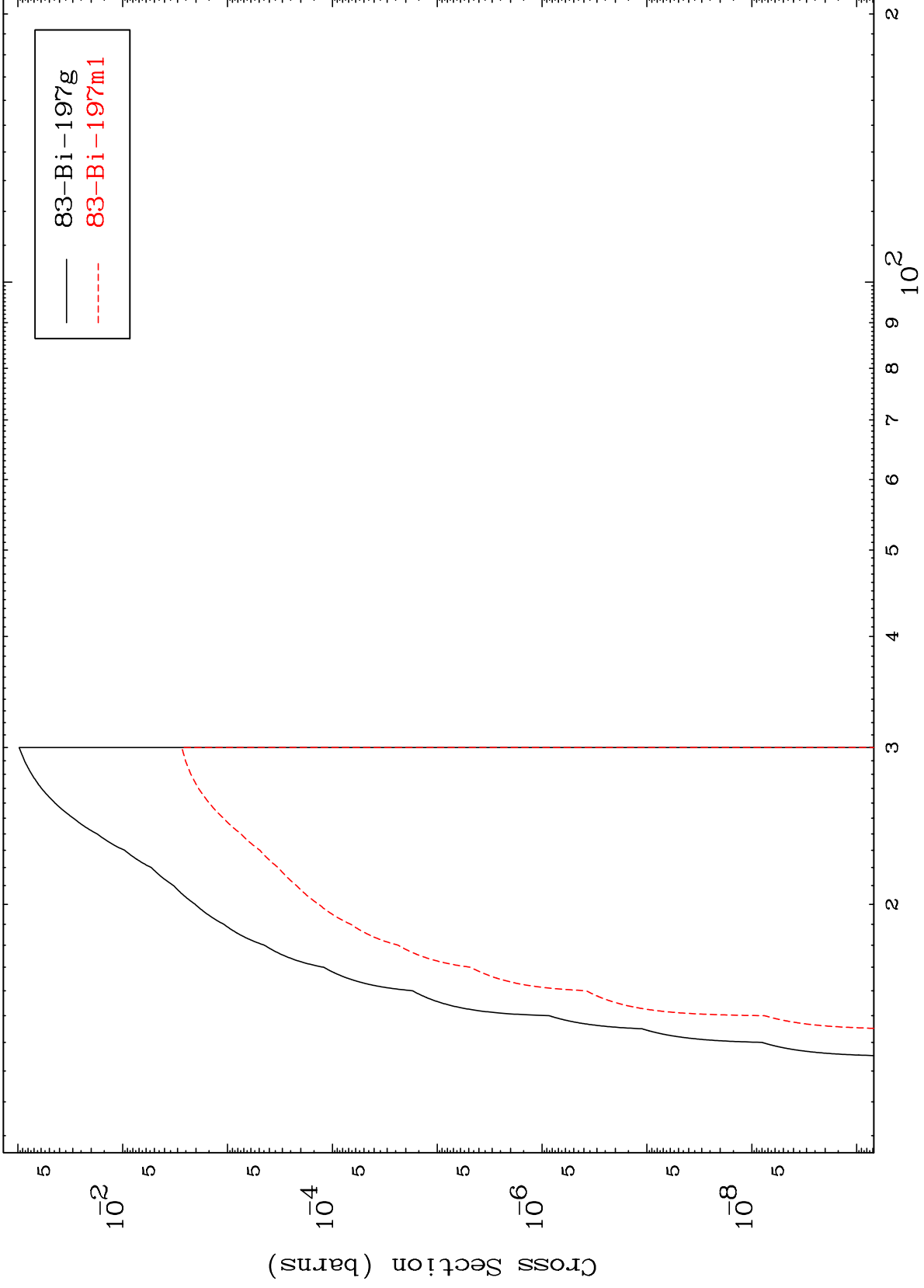


MAT 8404

(n,2n) p

84-Po-199

Radionuclide Production Cross Section

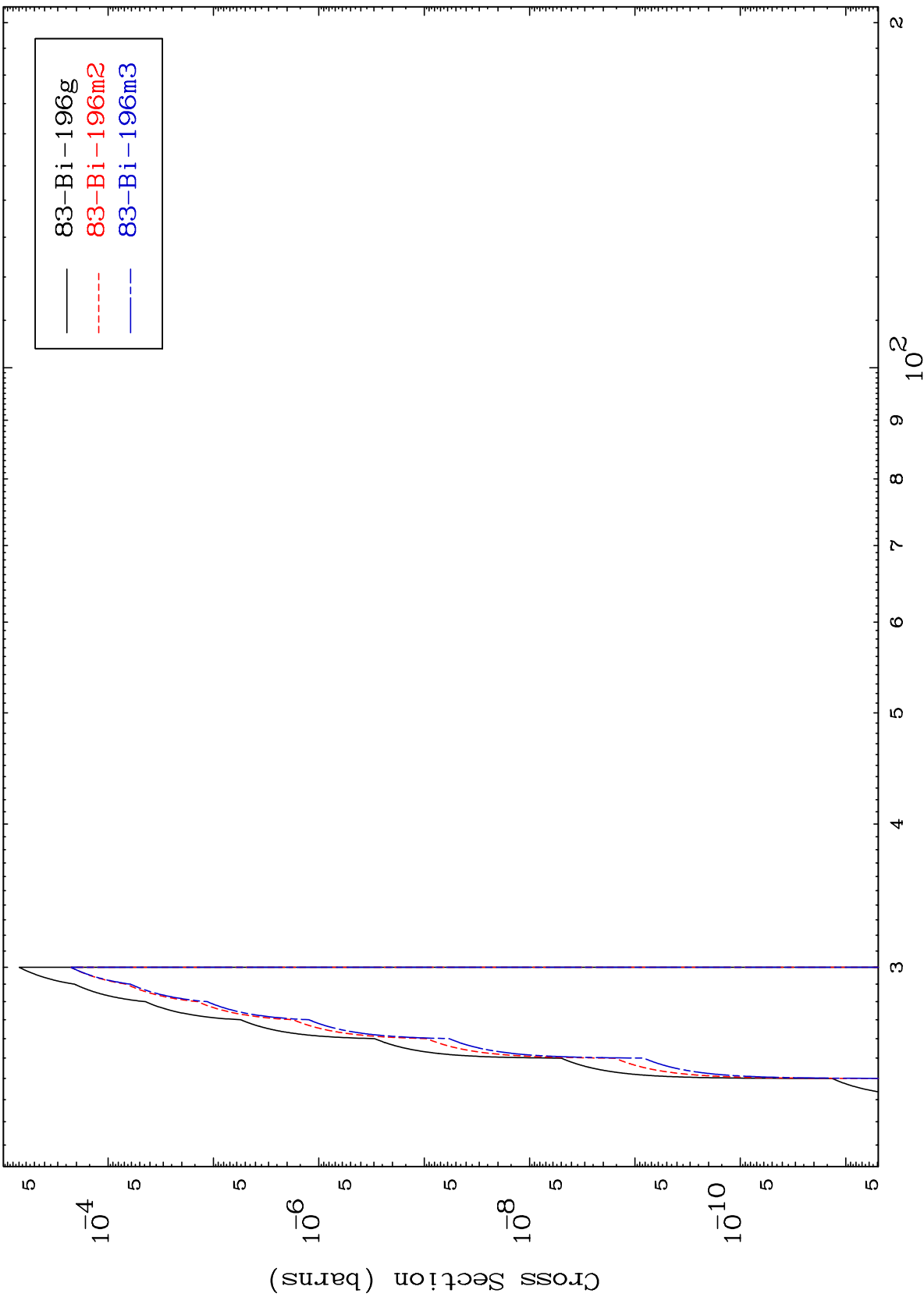


57

Incident Energy (MeV)

84-Po-199

Radionuclide Production Cross Section

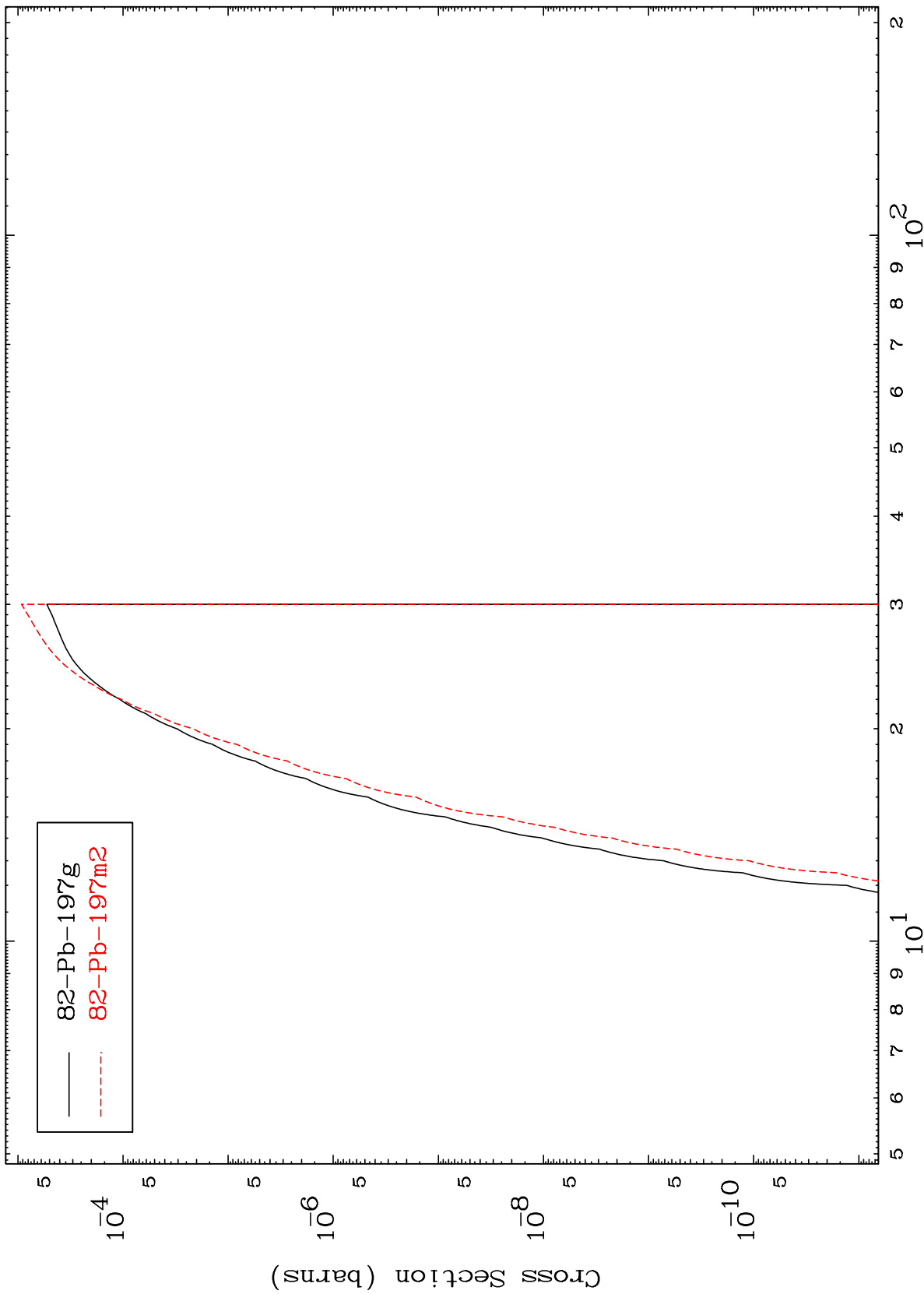


MAT 8404

(n,2n) p

84-Po-199

Radionuclide Production Cross Section



59

Incident Energy (MeV)

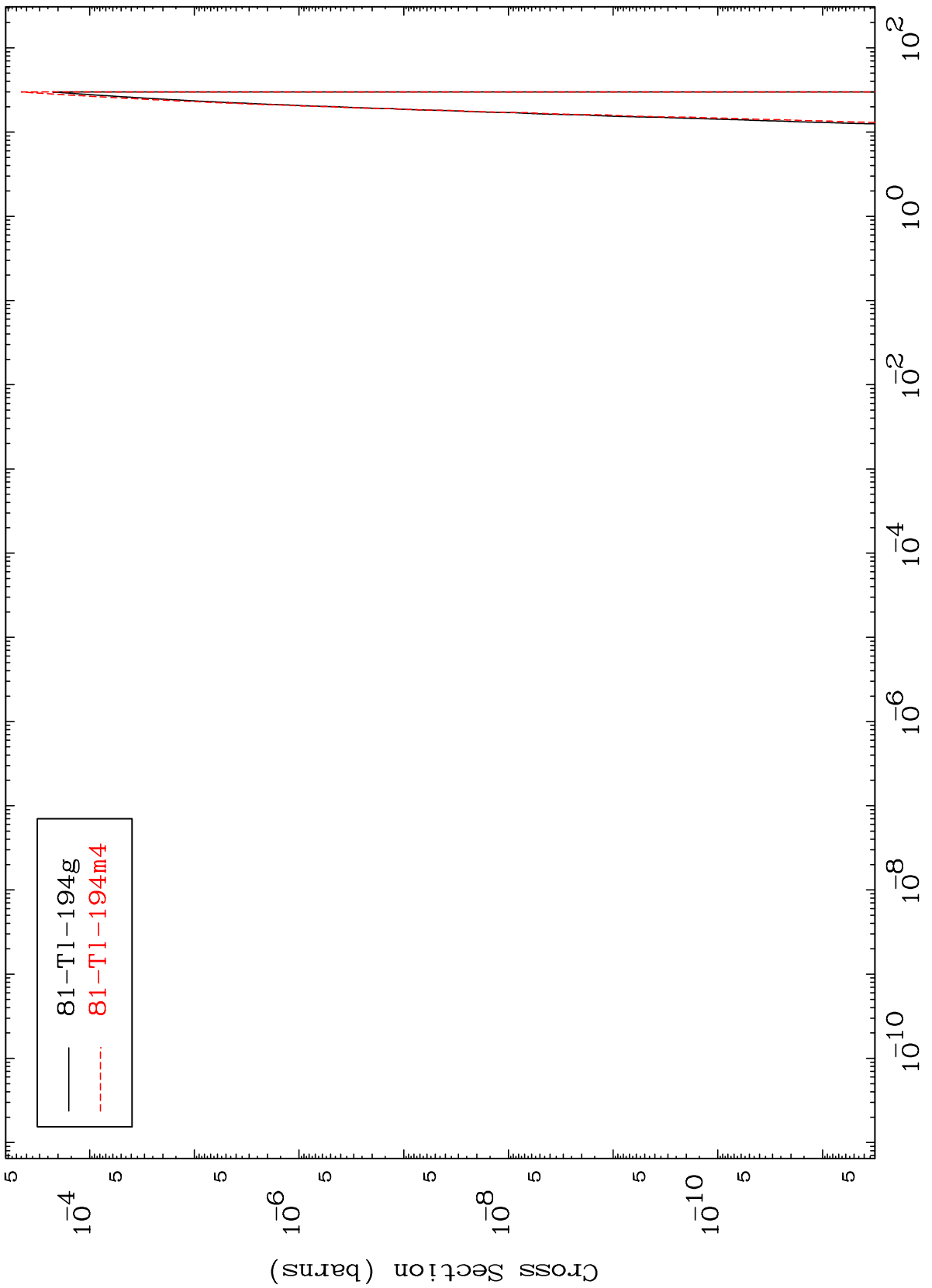
84-Po-199

MAT 8404

(n,n') p α

84-Po-199

Radionuclide Production Cross Section



81-Tl-194g
81-Tl-194m4

60

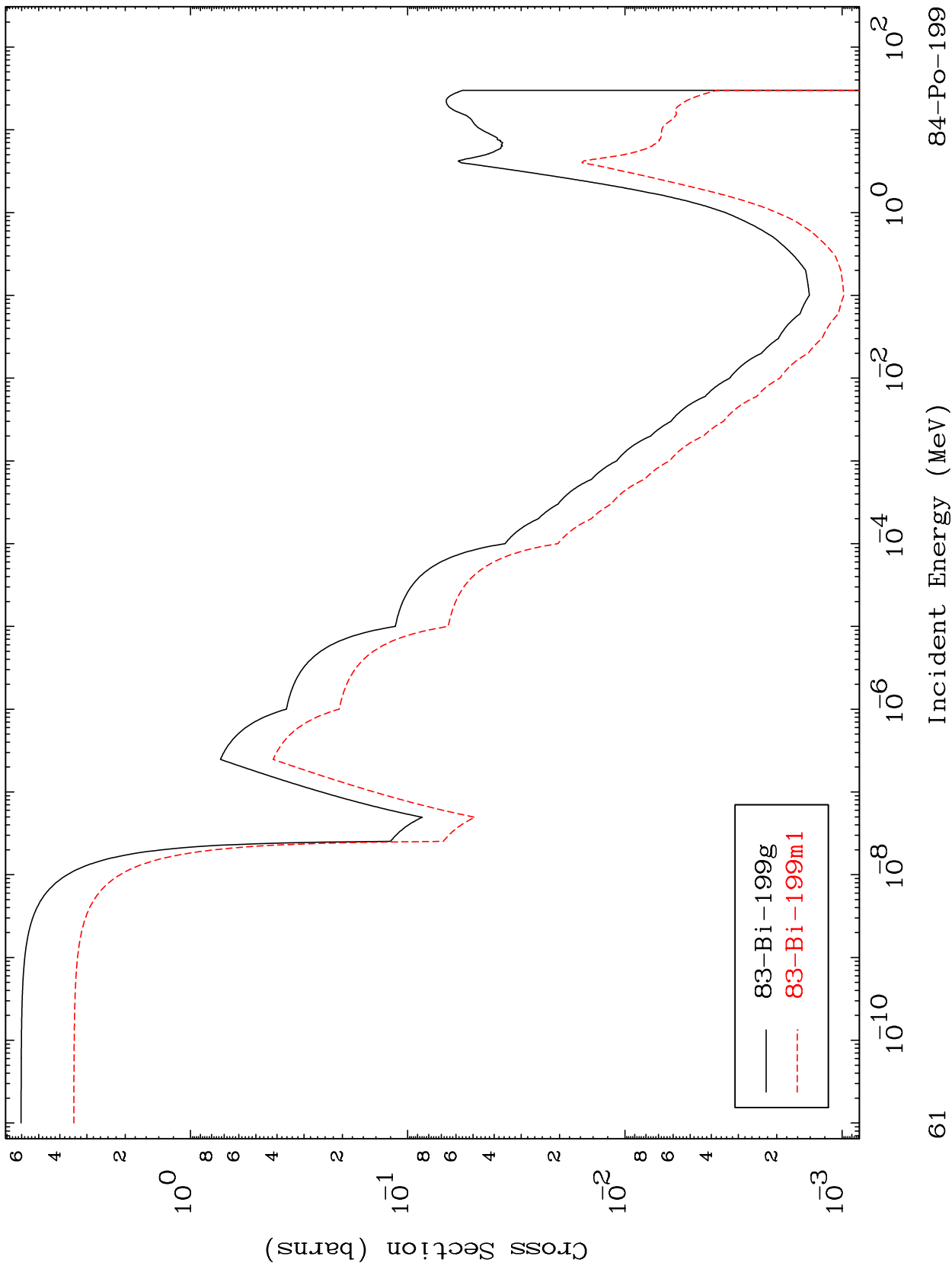
Incident Energy (MeV)

84-Po-199

MAT 8404

84-Po-199

(n,p)
Radionuclide Production Cross Section



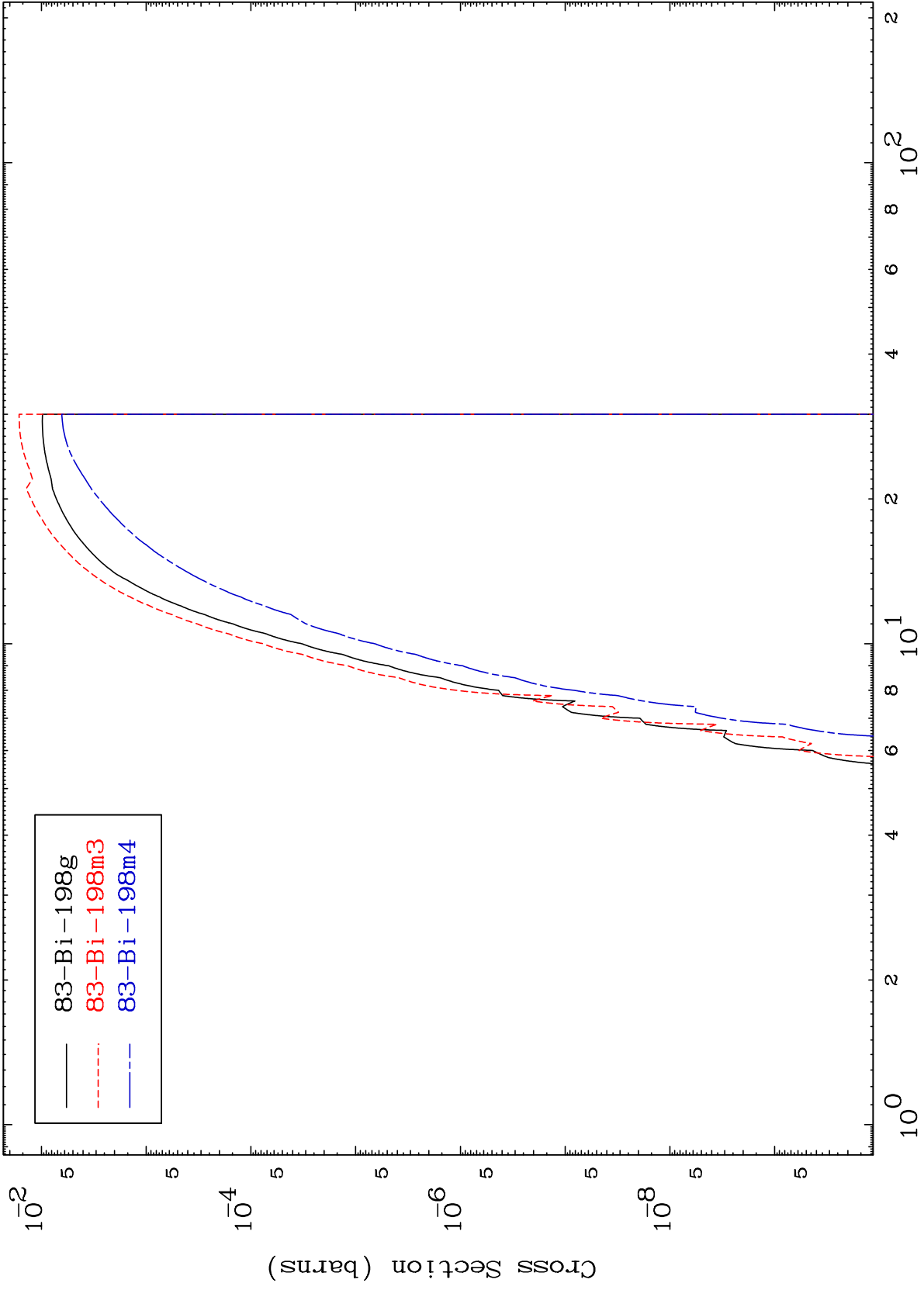
61

84-Po-199

MAT 8404

84-Po-199

(n,d)
Radionuclide Production Cross Section



84-Po-199

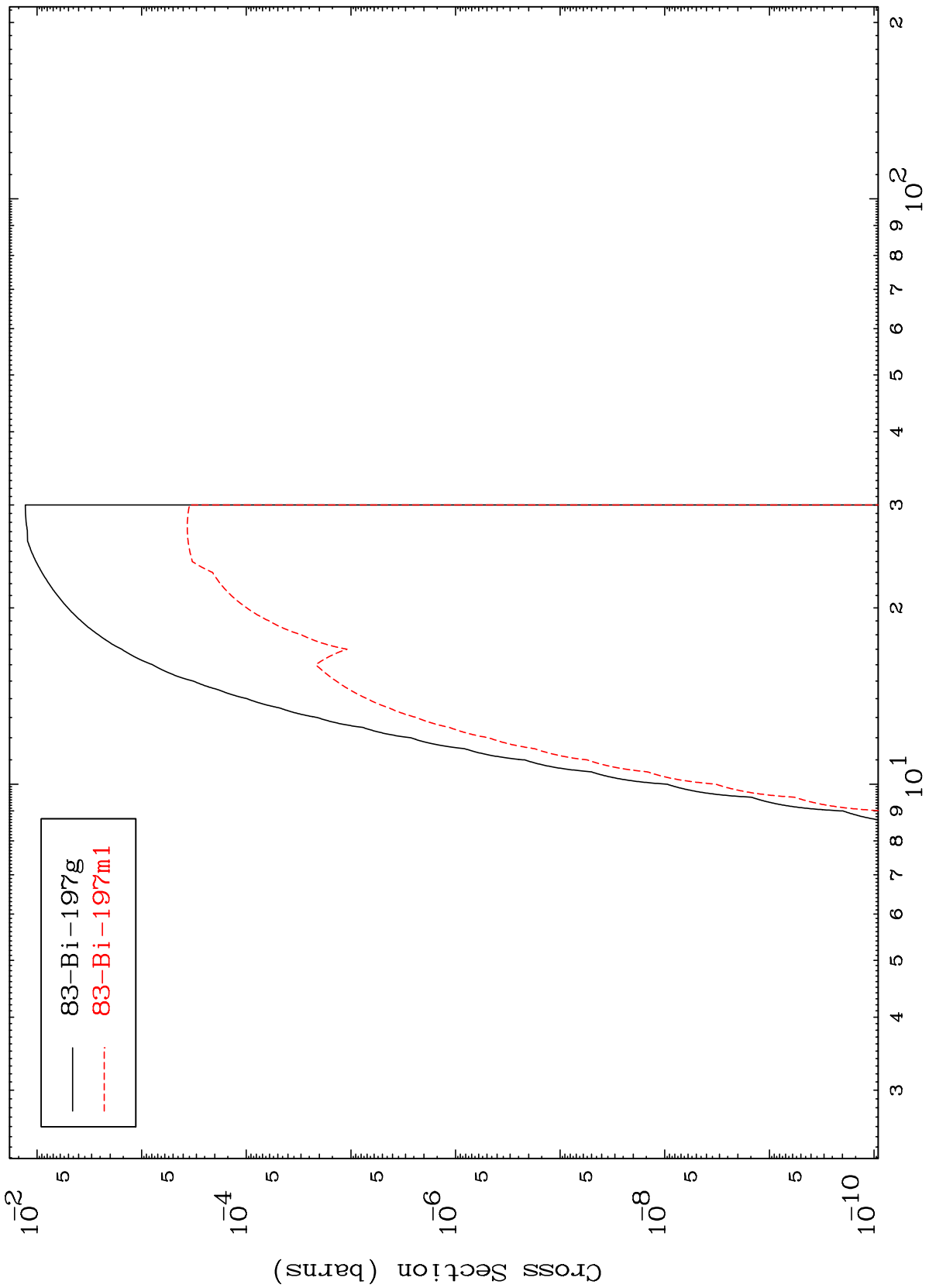
Incident Energy (MeV)

62

MAT 8404

84-Po-199

(n, t)
Radionuclide Production Cross Section



— 83-Bi-197g
- - - 83-Bi-197m1

Incident Energy (MeV)

84-Po-199

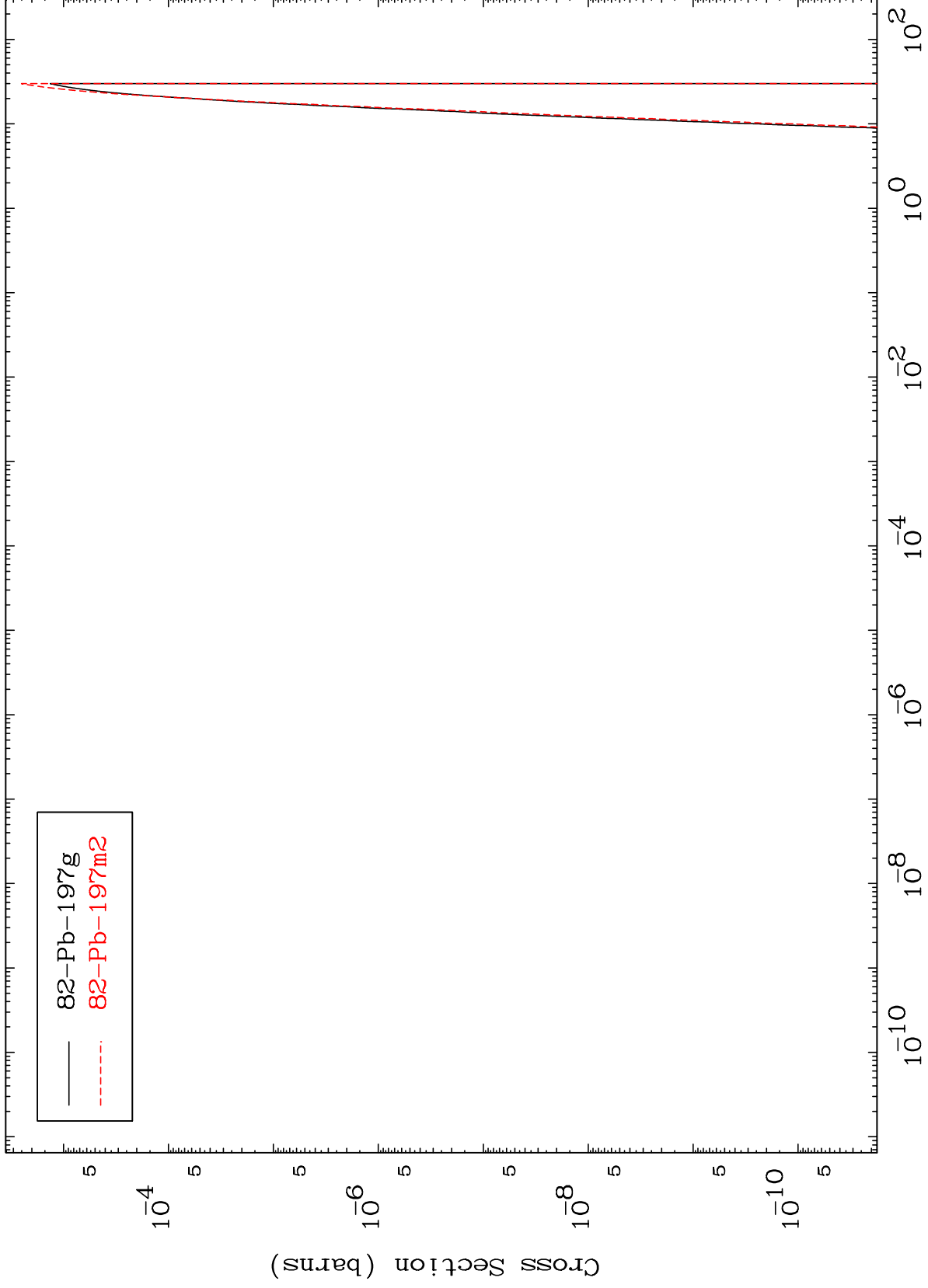
63

MAT 8404

(n,He-3)

84-Po-199

Radionuclide Production Cross Section



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

64

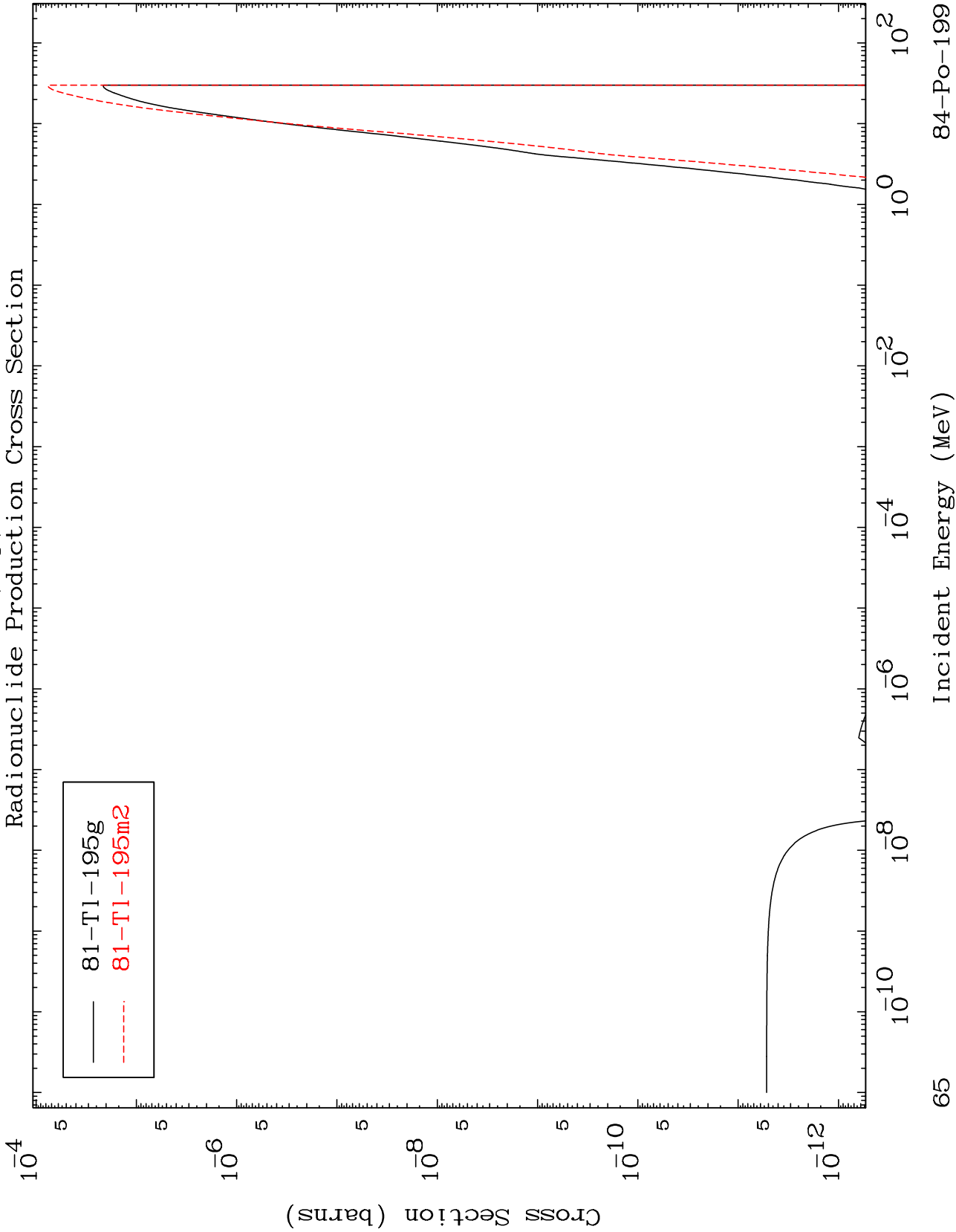
Incident Energy (MeV)

84-Po-199

MAT 8404

(n,p) α

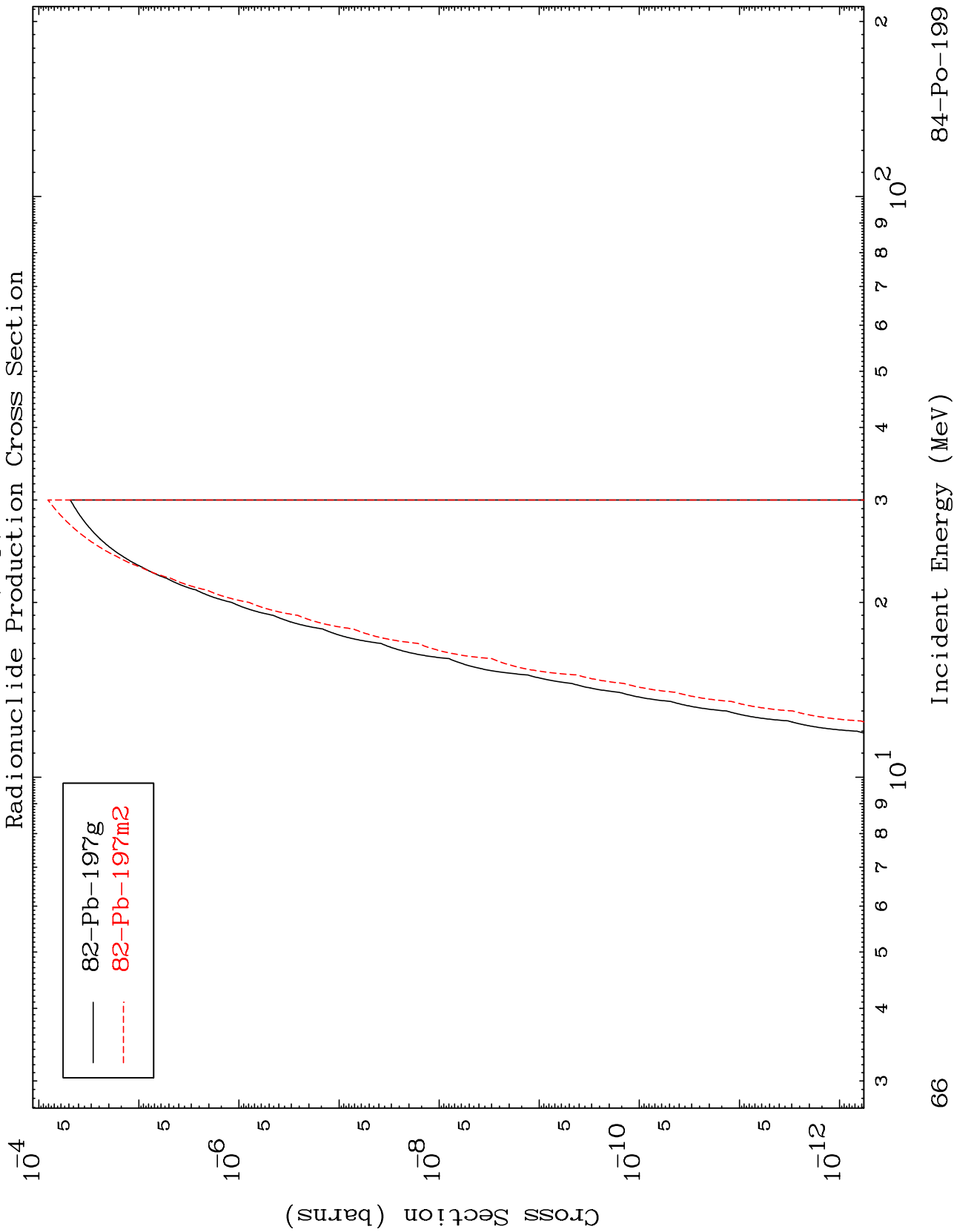
84-Po-199



MAT 8404

(n,p) d

84-Po-199



66

Incident Energy (MeV)

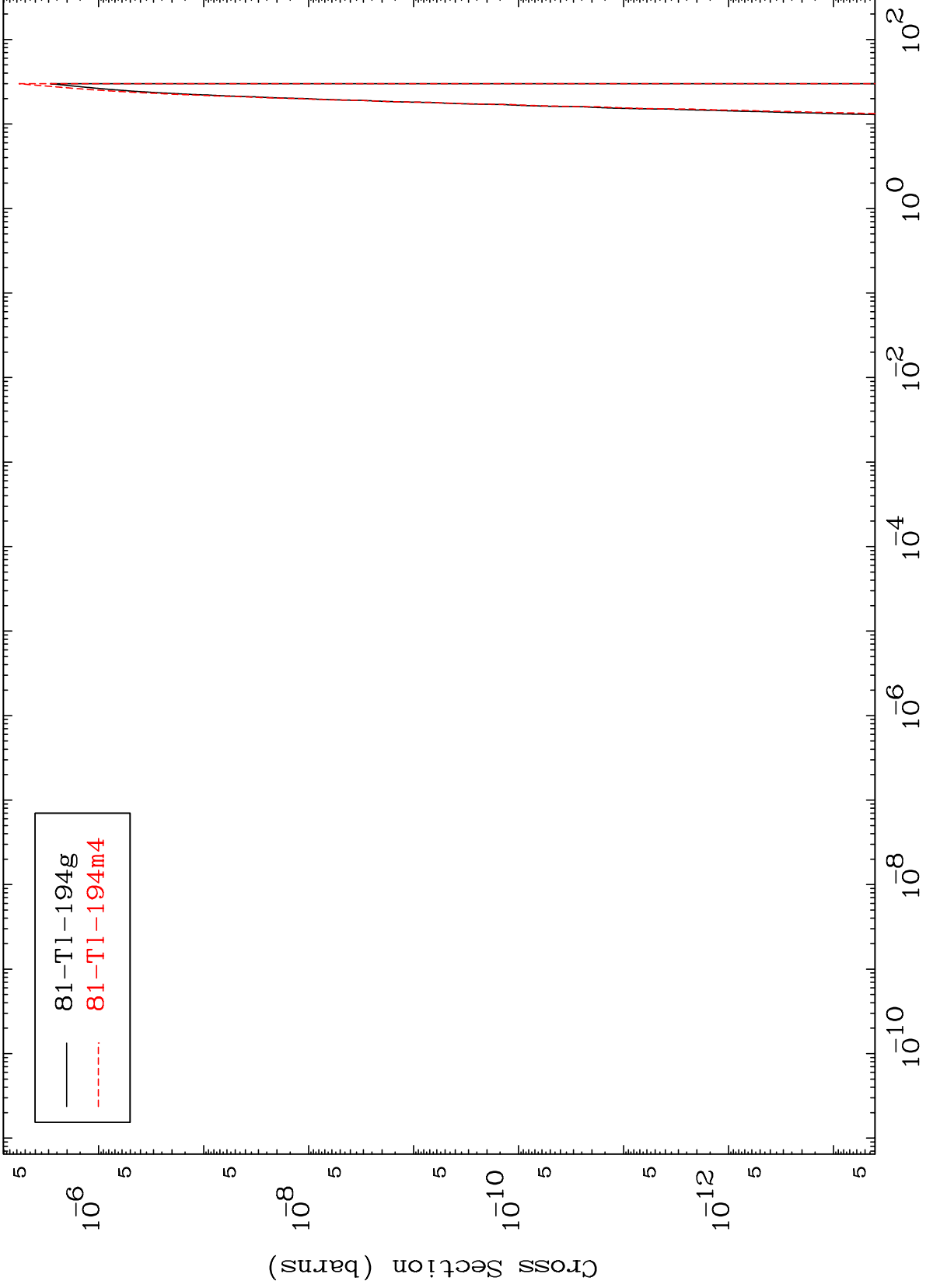
84-Po-199

MAT 8404

(n,d) α

84-Po-199

Radionuclide Production Cross Section



67

Incident Energy (MeV)

84-Po-199