

Program EVALPLOT  
(Version 2021-1)

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](mailto:redcullen1@comcast.net)

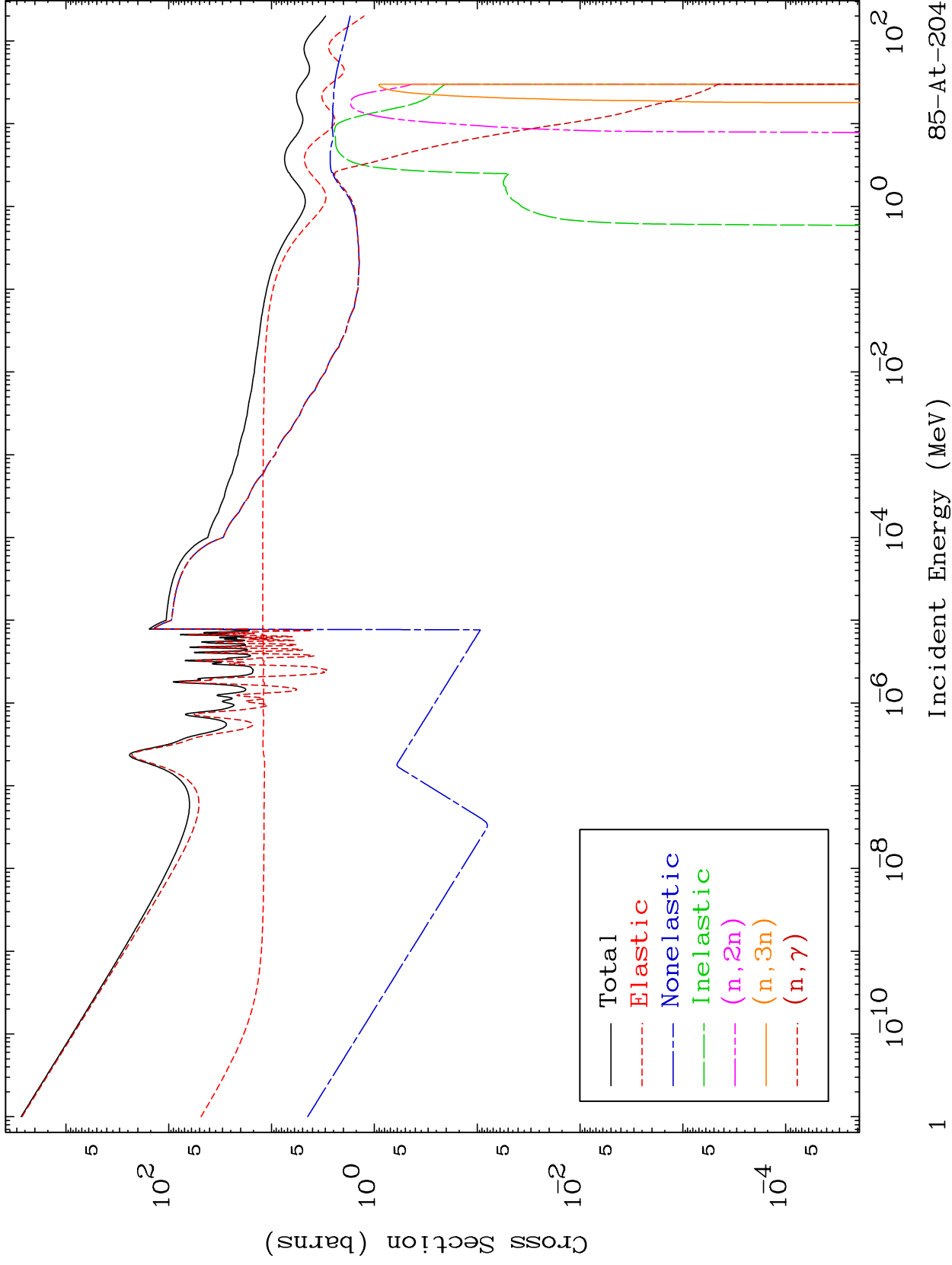
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 8528

Neutron Major  
293 Kelvin Cross Sections

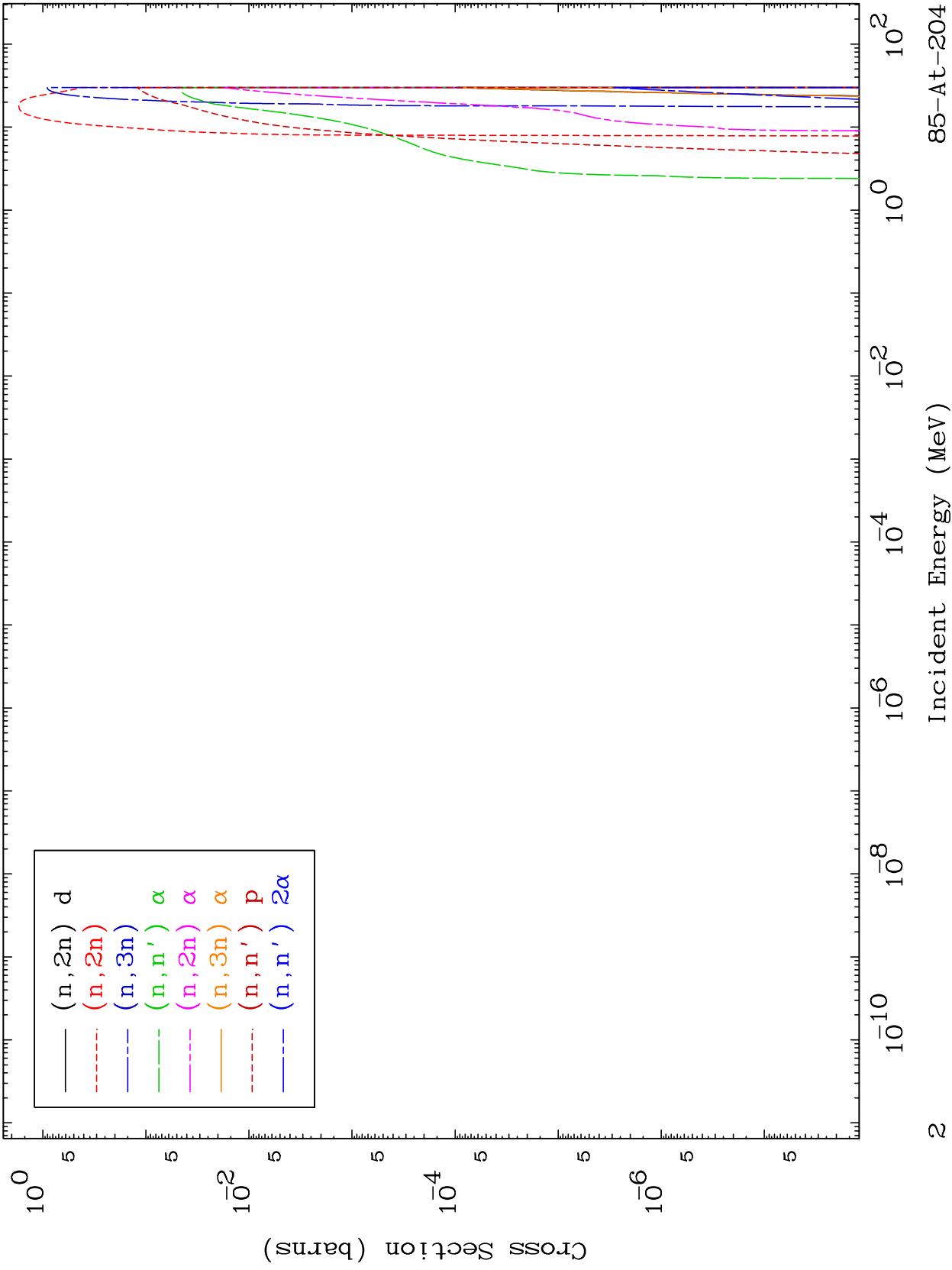
85-At-204



MAT 8528

Neutron Absorption  
293 Kelvin Cross Sections

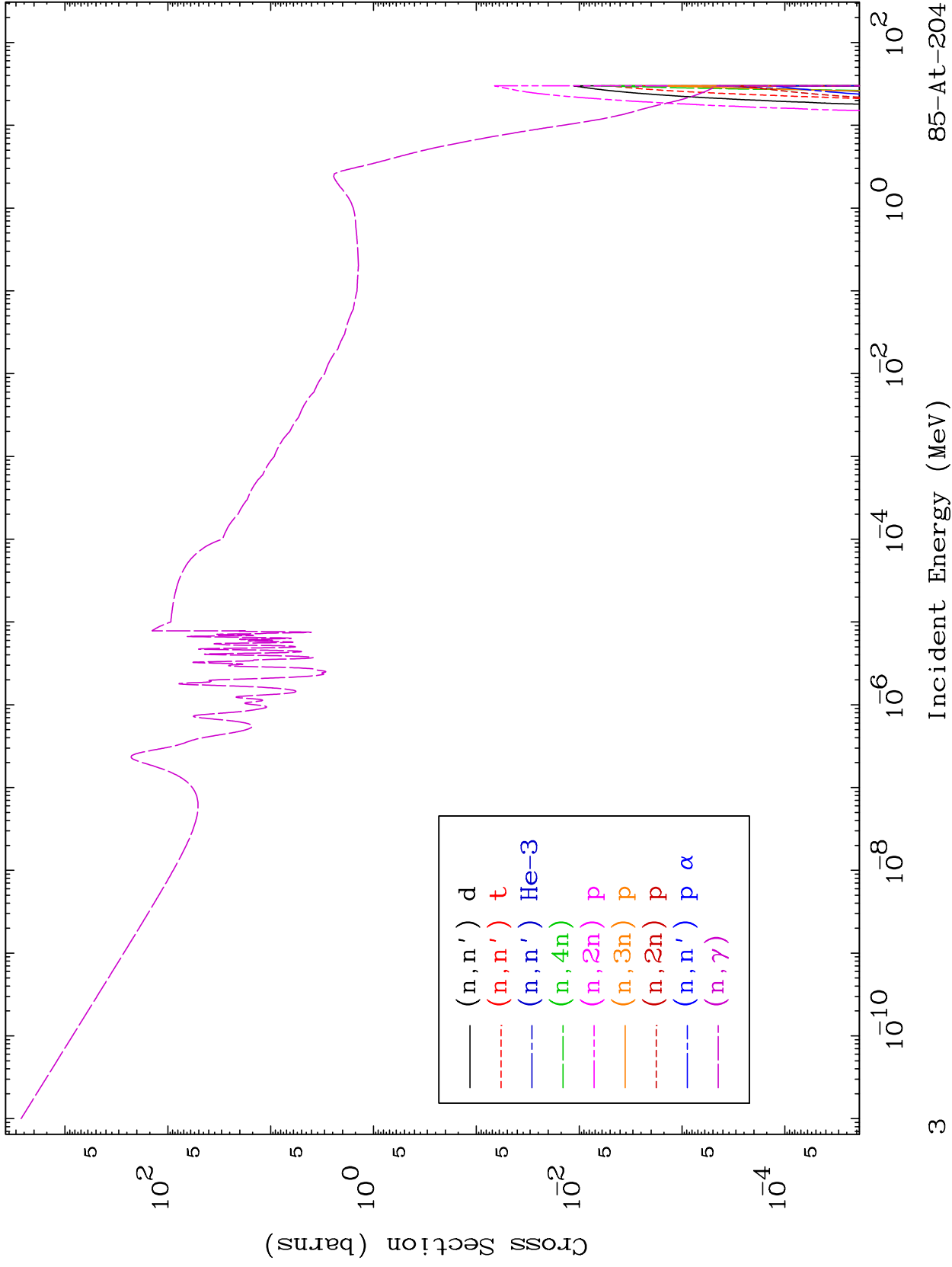
85-At-204



MAT 8528

Neutron Absorption  
293 Kelvin Cross Sections

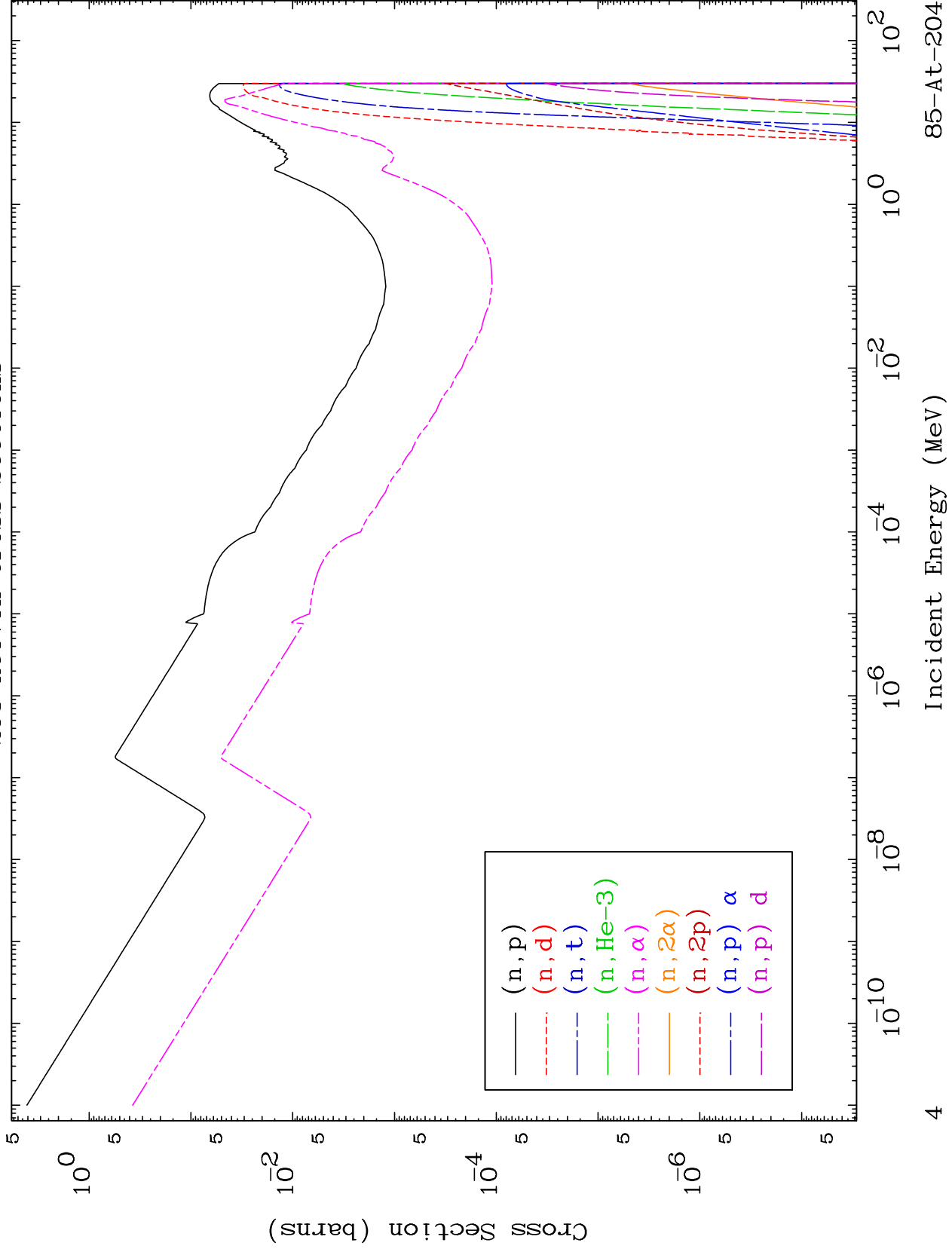
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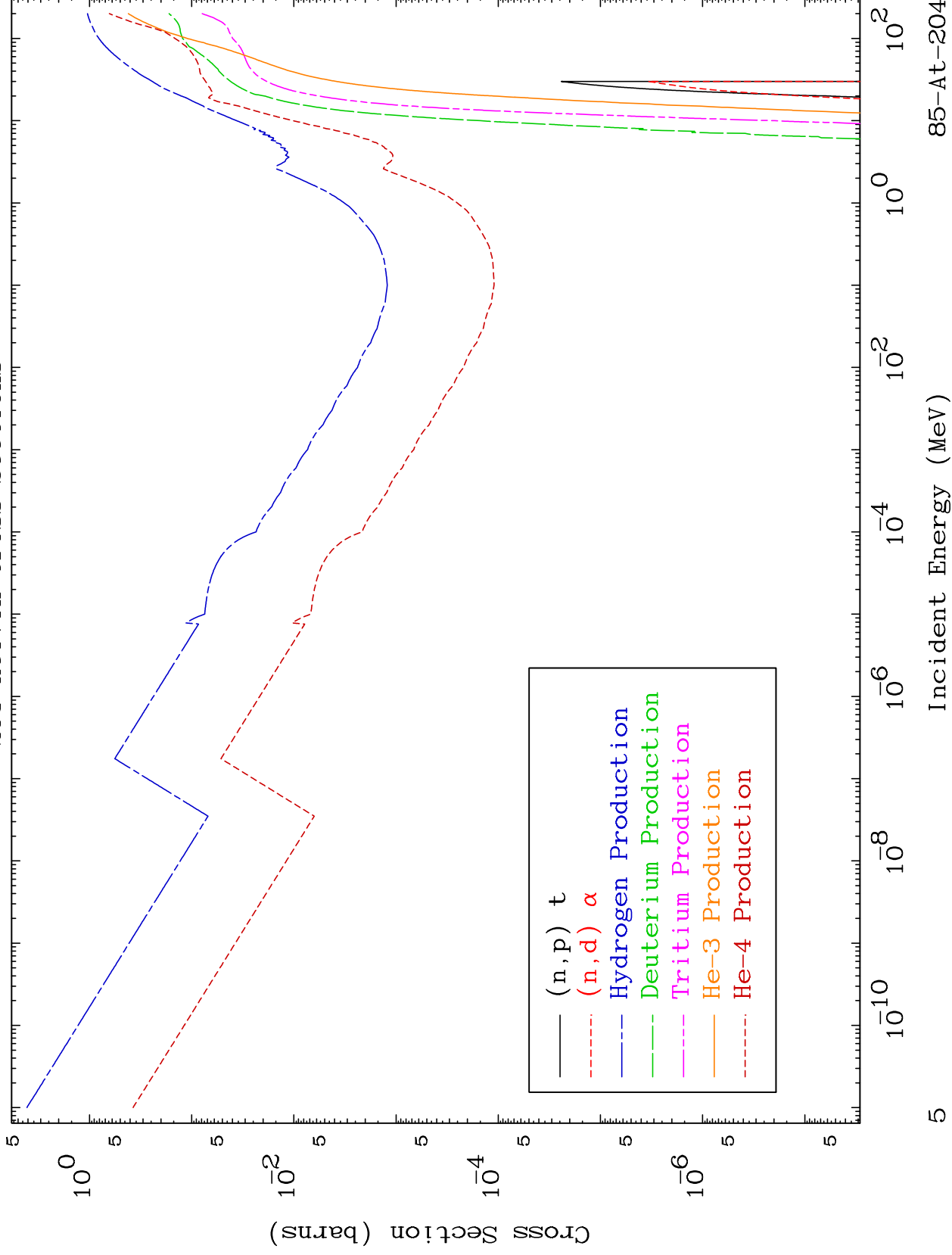


MAT 8528

Neutron Absorption  
293 Kelvin Cross Sections

85-At-204

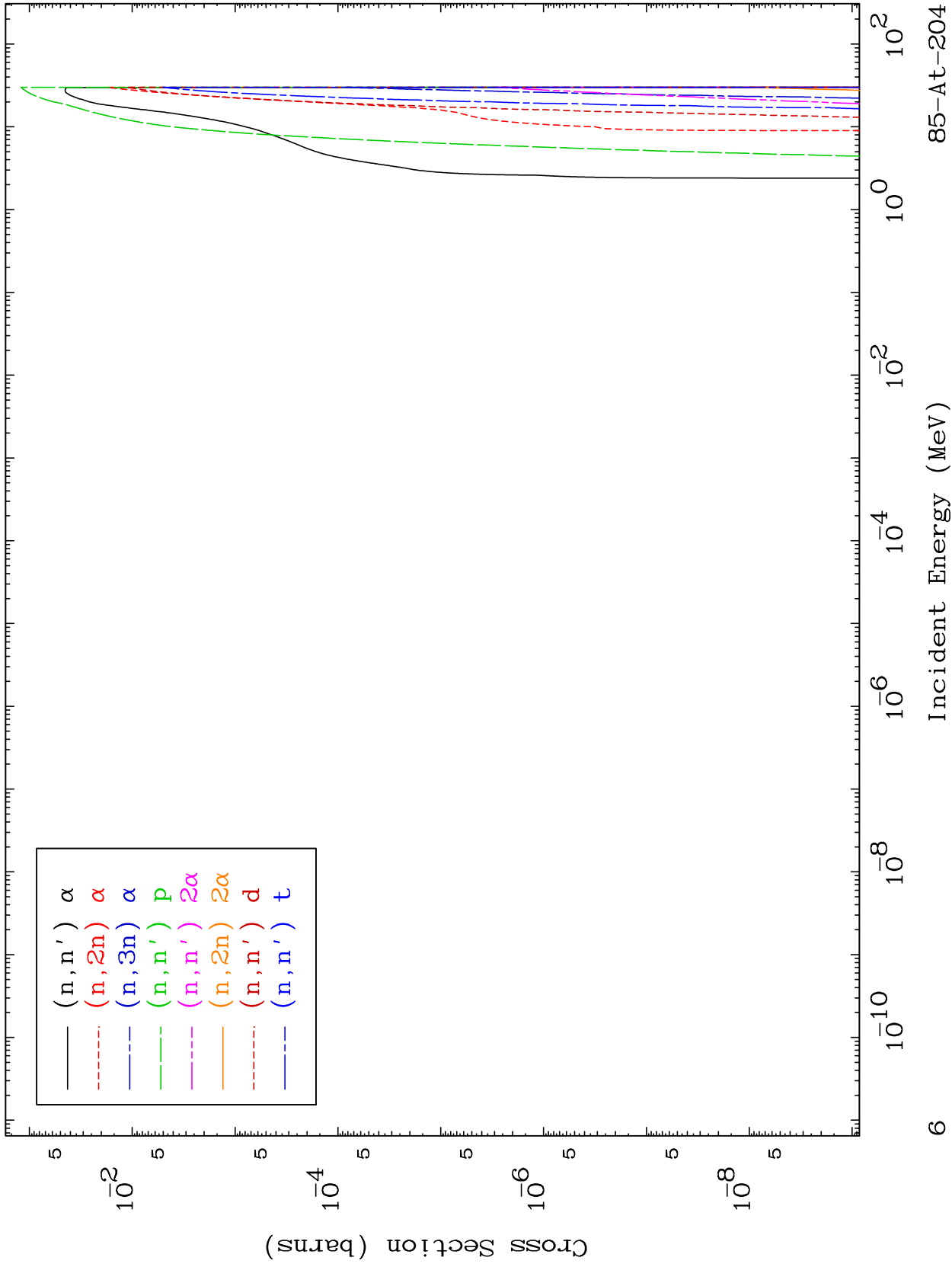




MAT 8528

Charged Particle  
293 Kelvin Cross Sections

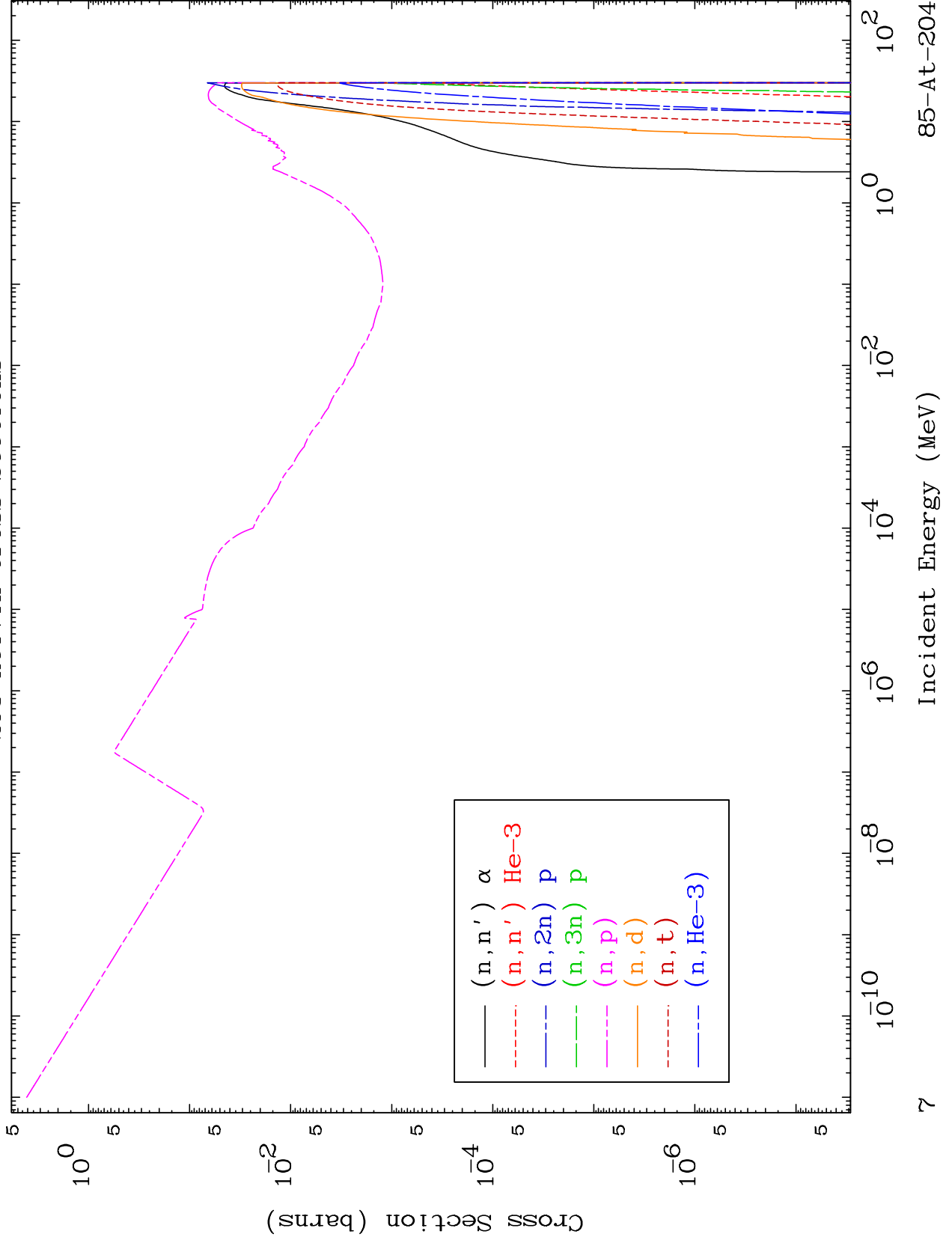
85-At-204



MAT 8528

Charged Particle  
293 Kelvin Cross Sections

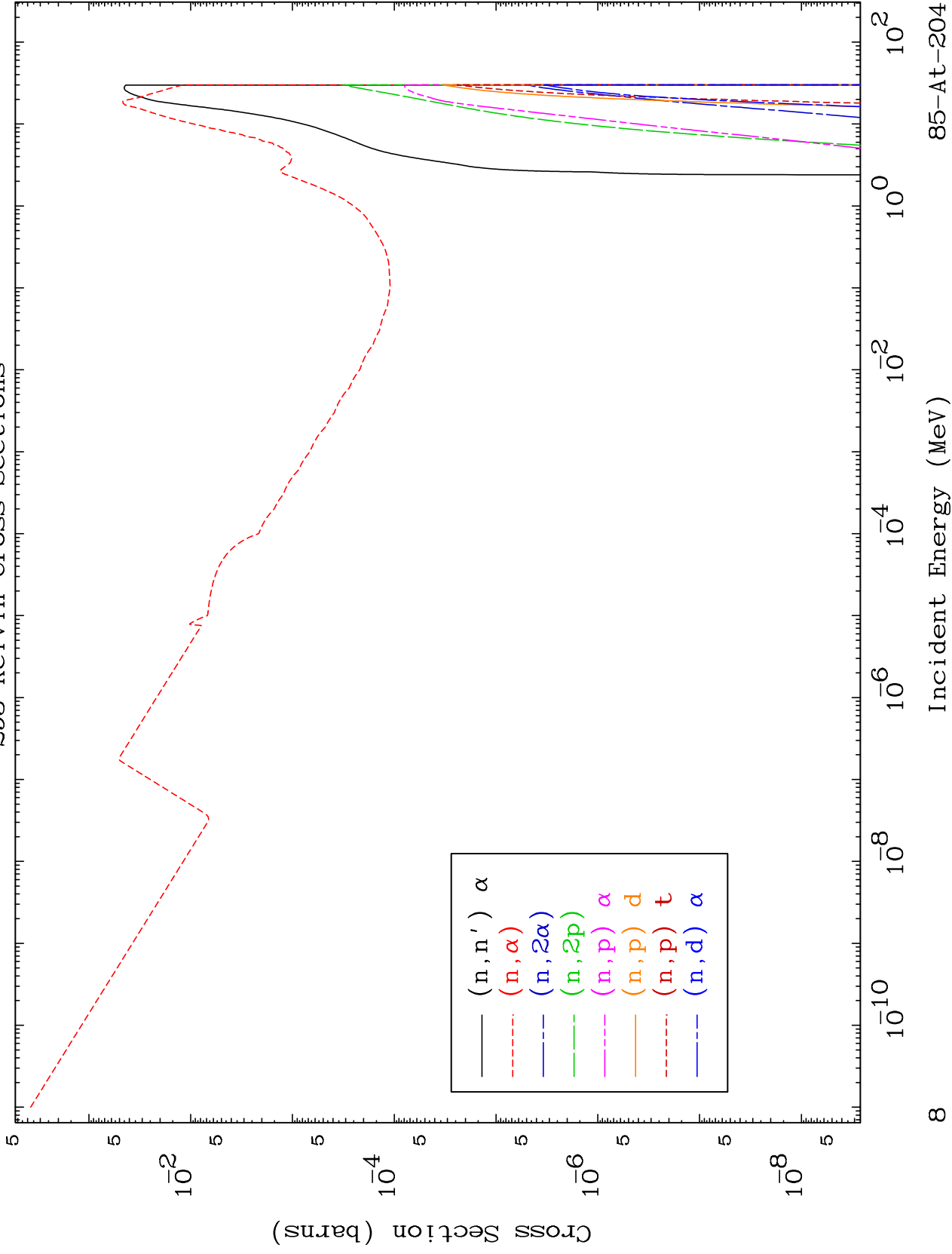
85-At-204

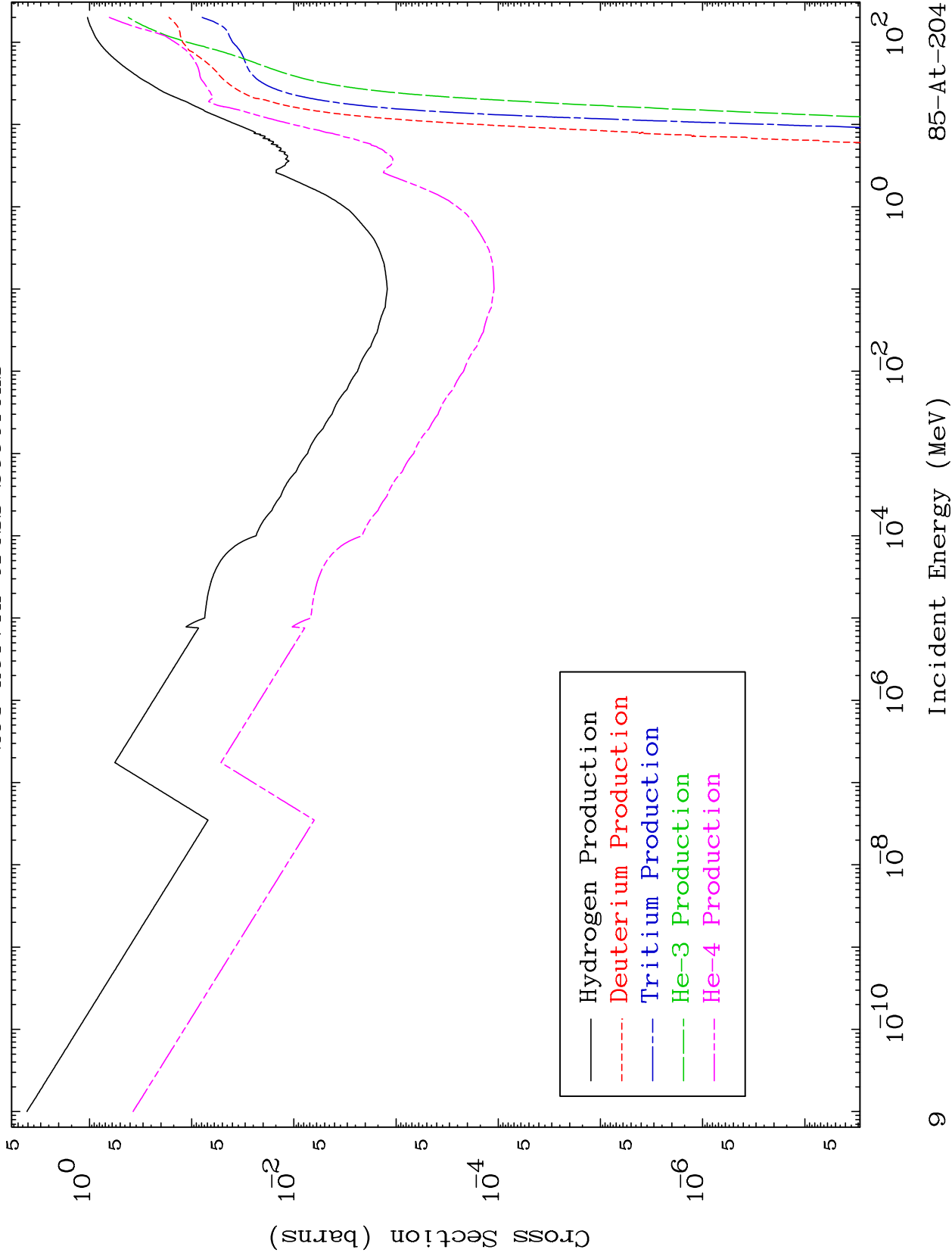


MAT 8528

Charged Particle  
293 Kelvin Cross Sections

85-At-204



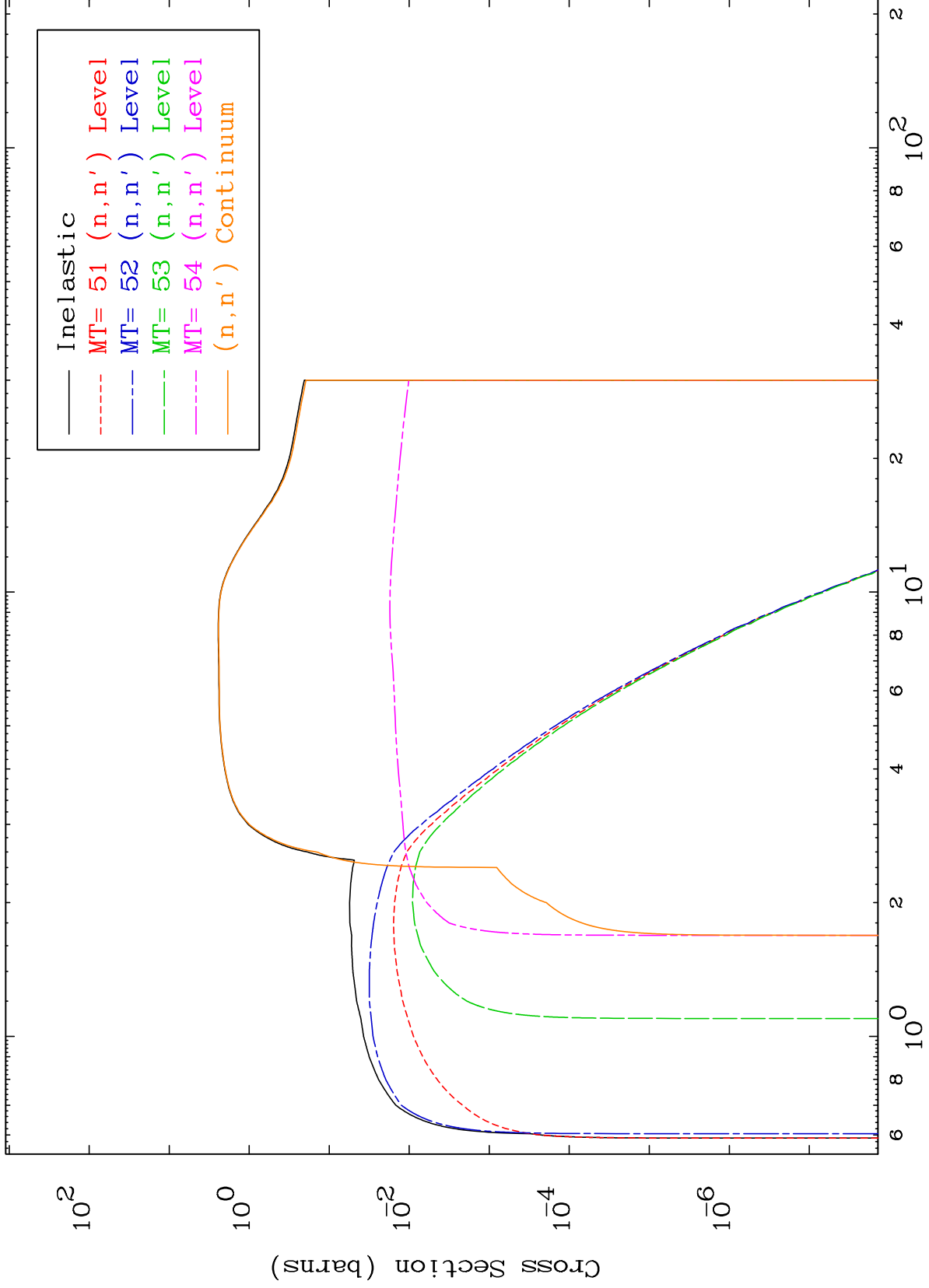


MAT 8528

(n,n') Levels

85-At-204

293 Kelvin Cross Sections



10

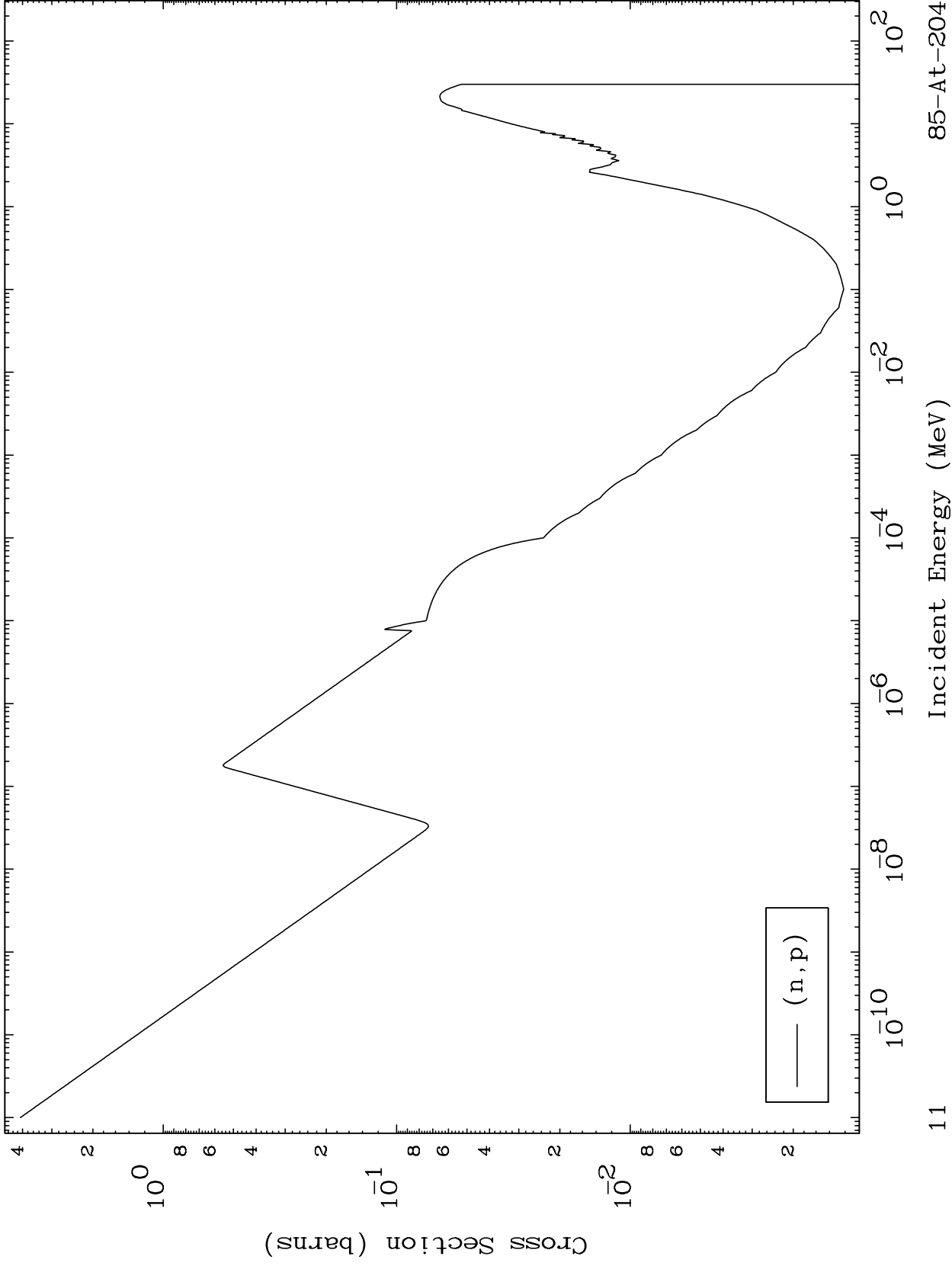
Incident Energy (MeV)

85-At-204

MAT 8528

(n,p) Levels  
293 Kelvin Cross Sections

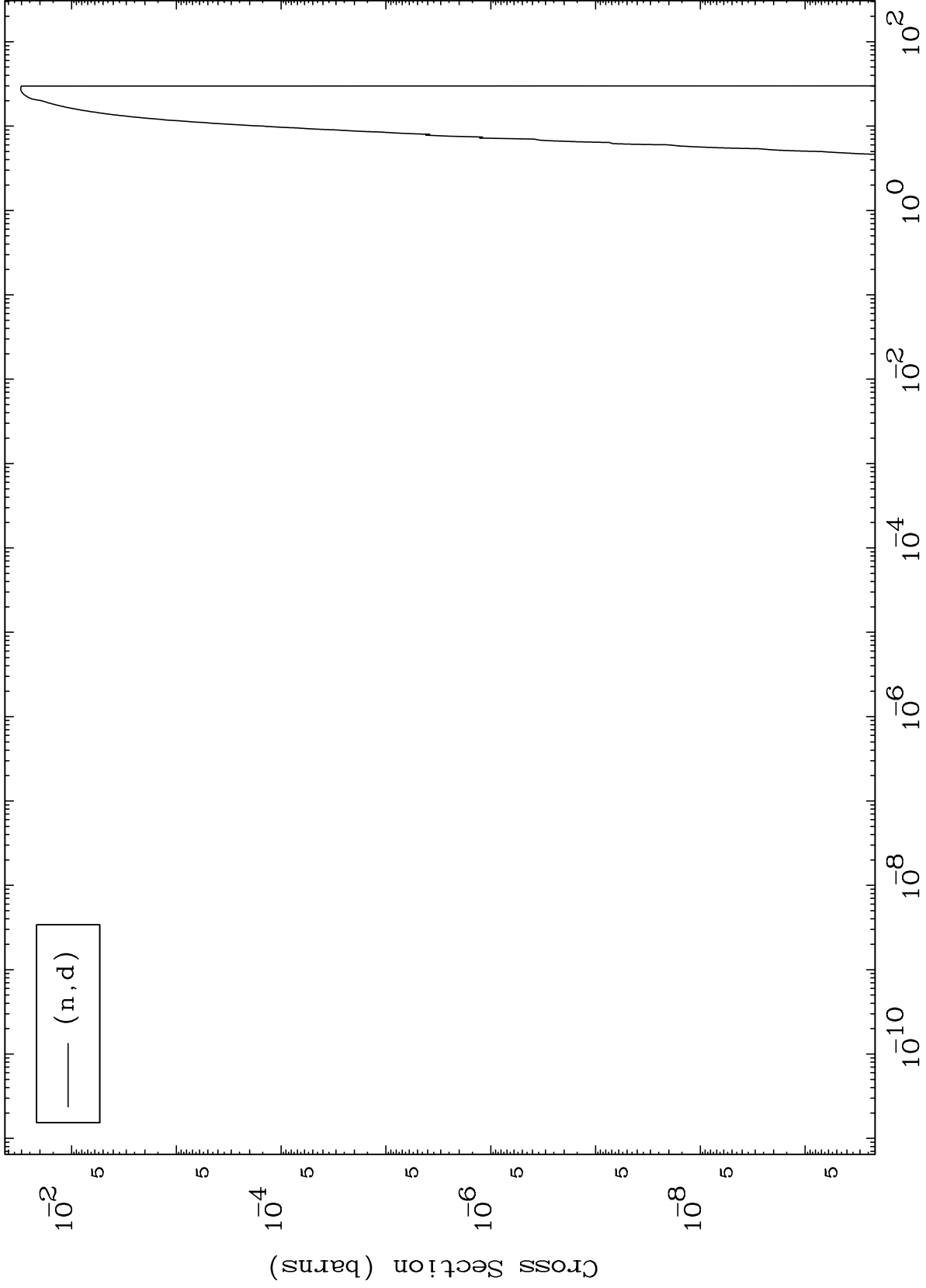
85-At-204



MAT 8528

(n,d) Levels  
293 Kelvin Cross Sections

85-At-204



12

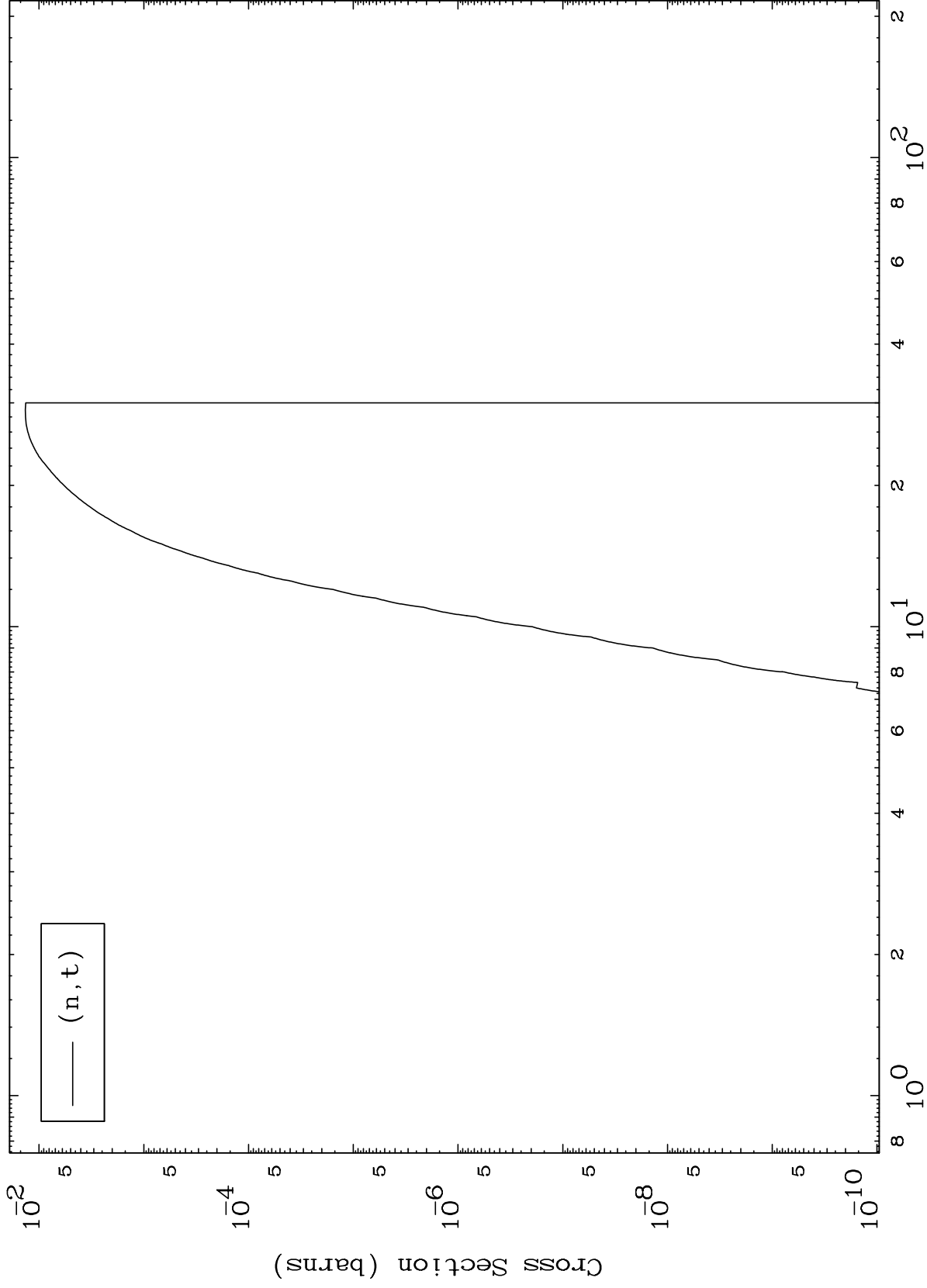
Incident Energy (MeV)

85-At-204

MAT 8528

(n,t) Levels  
293 Kelvin Cross Sections

85-At-204



13

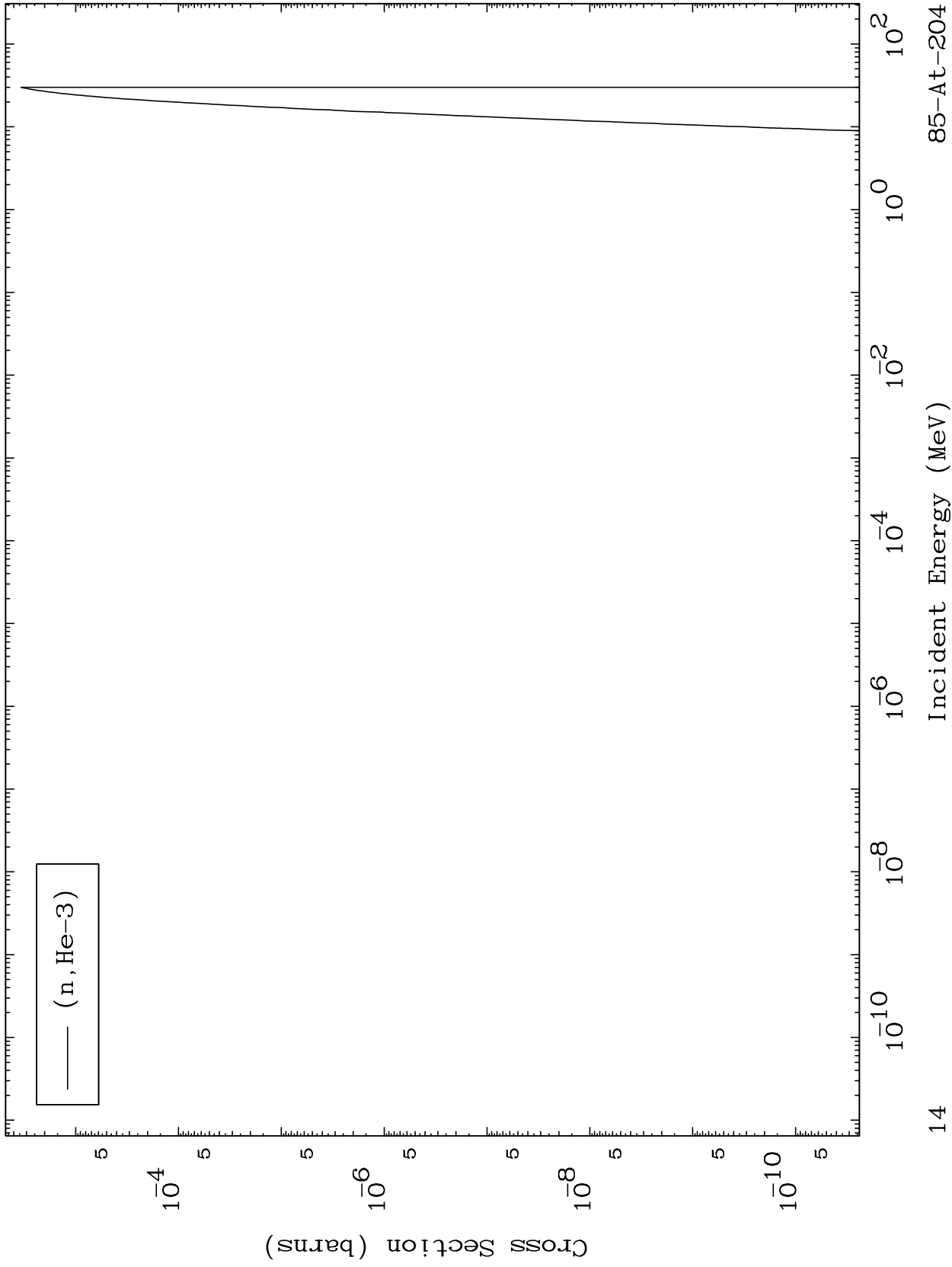
Incident Energy (MeV)

85-At-204

MAT 8528

(n,He3) Levels  
293 Kelvin Cross Sections

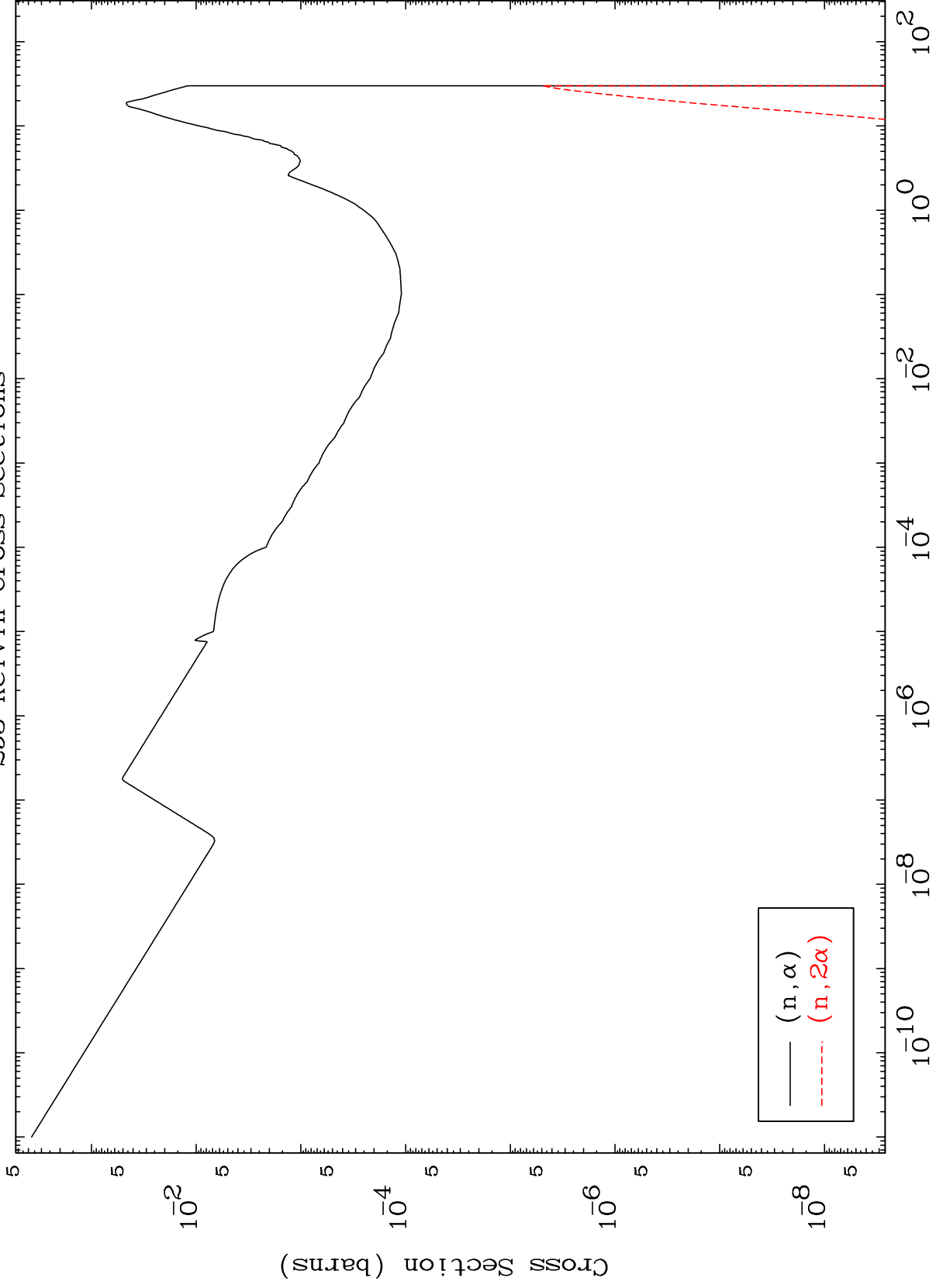
85-At-204



MAT 8528

(n,α) Levels  
293 Kelvin Cross Sections

85-At-204



15

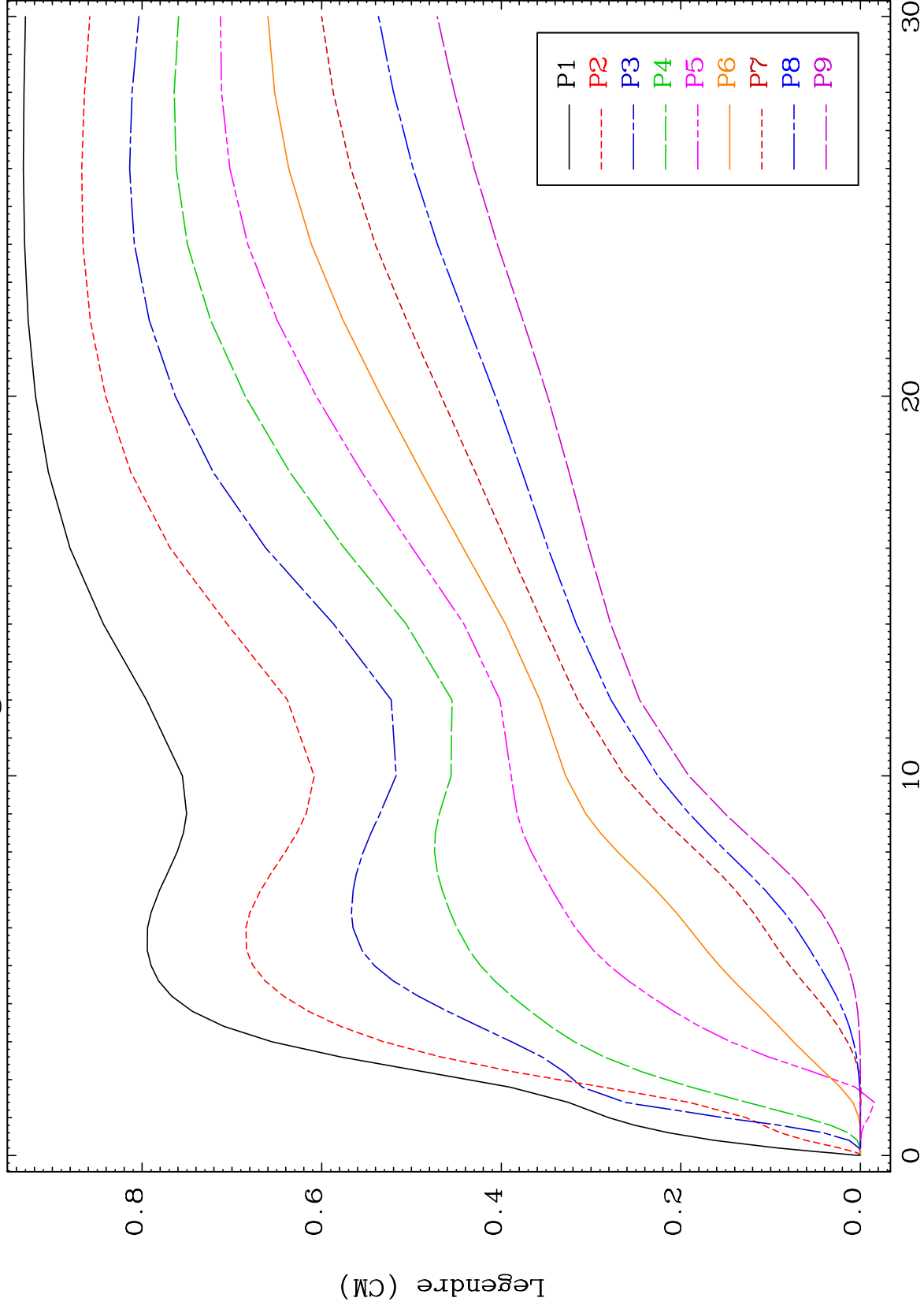
Incident Energy (MeV)

85-At-204

MAT 8528

Elastic Legendre Coefficients

85-At-204



16

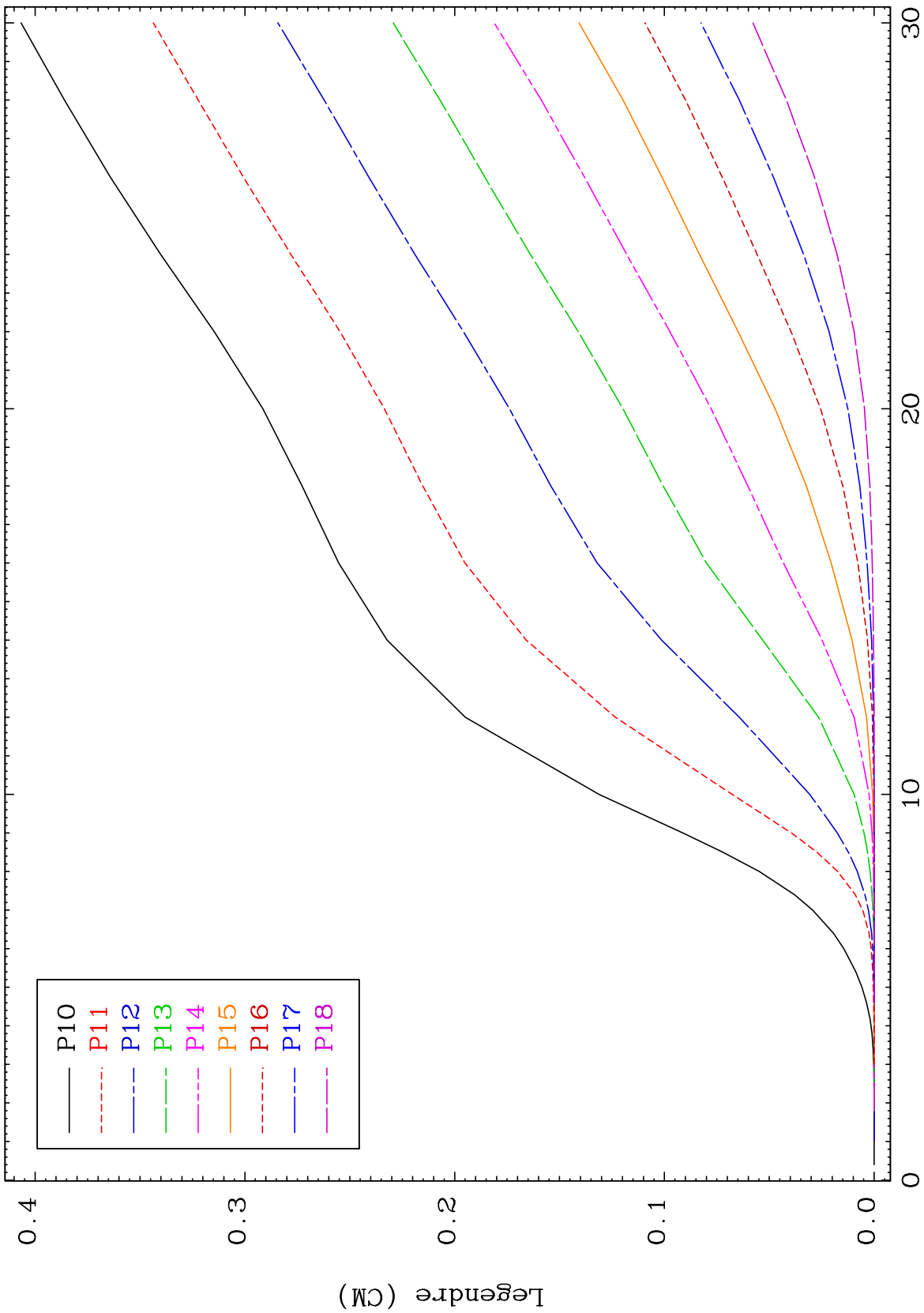
Incident Energy (MeV)

85-At-204

MAT 8528

Elastic Legendre Coefficients

85-At-204



17

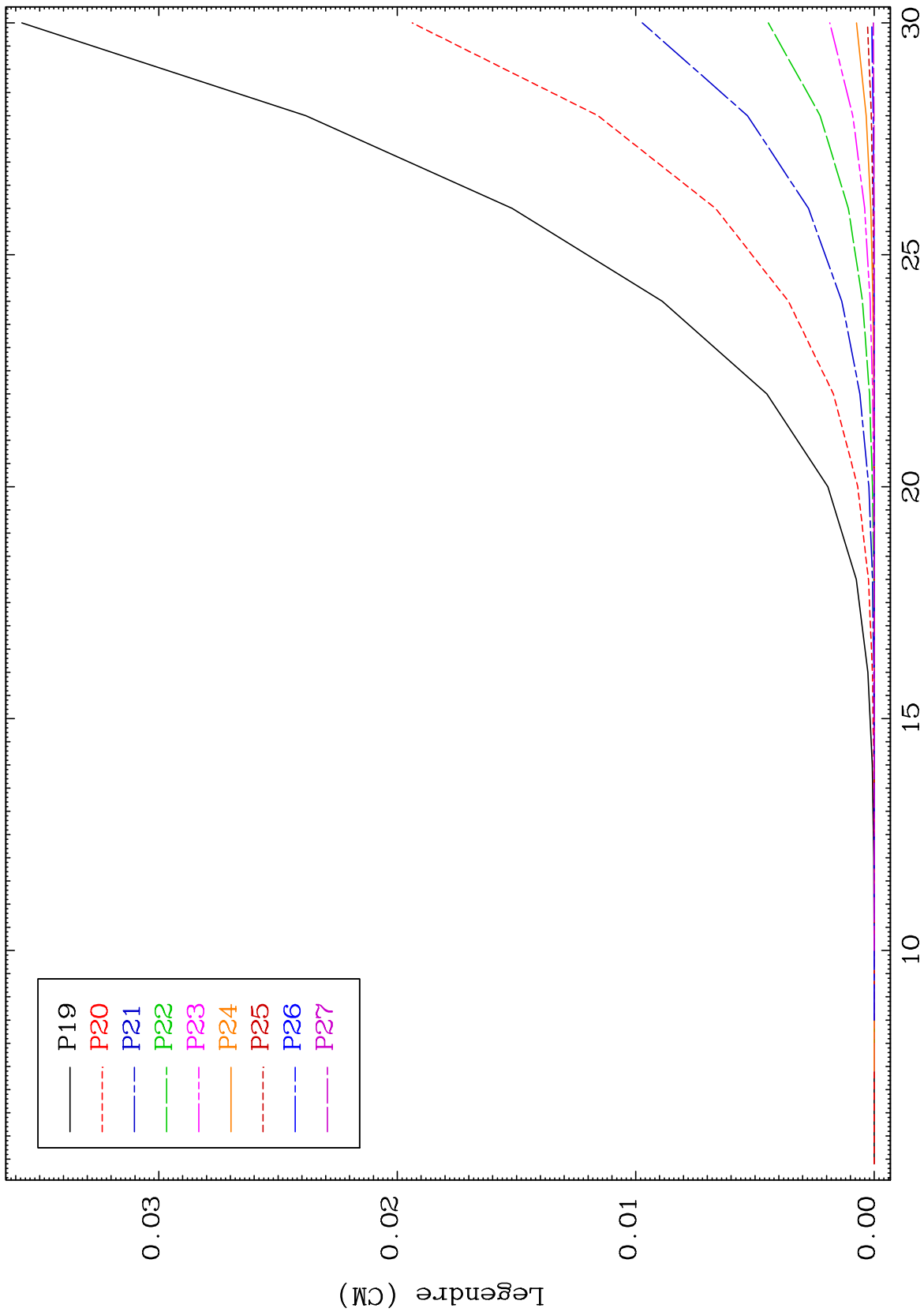
Incident Energy (MeV)

85-At-204

MAT 8528

### Elastic Legendre Coefficients

85-At-204



18

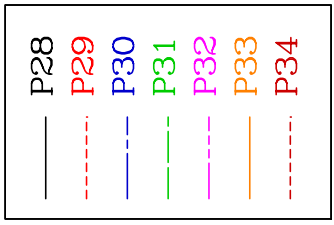
Incident Energy (MeV)

85-At-204

MAT 8528

Elastic Legendre Coefficients

85-At-204



$\times 10^{-5}$

1.2

1.0

Legendre (CM)

0.8

0.6

0.4

0.2

0.0

15

20

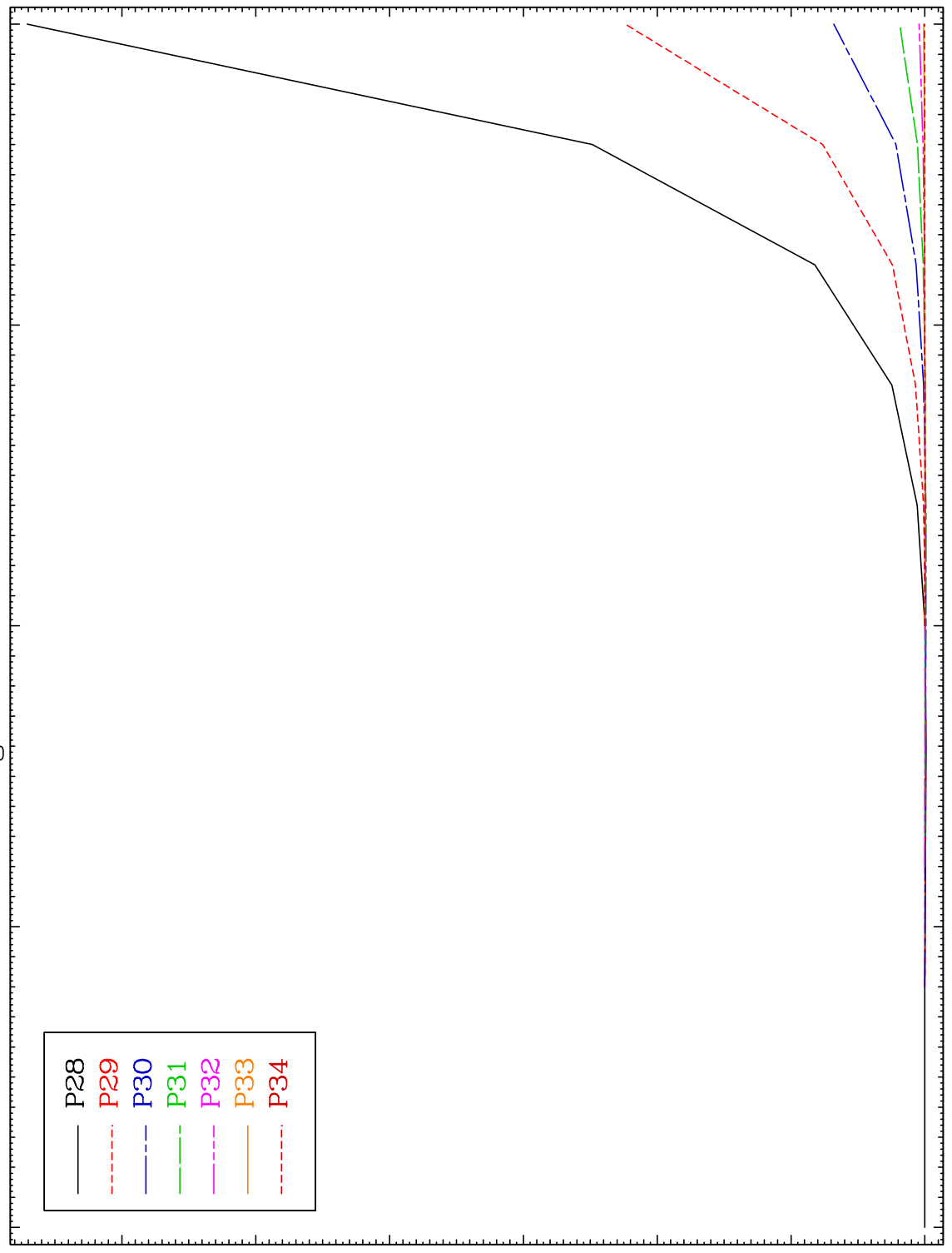
25

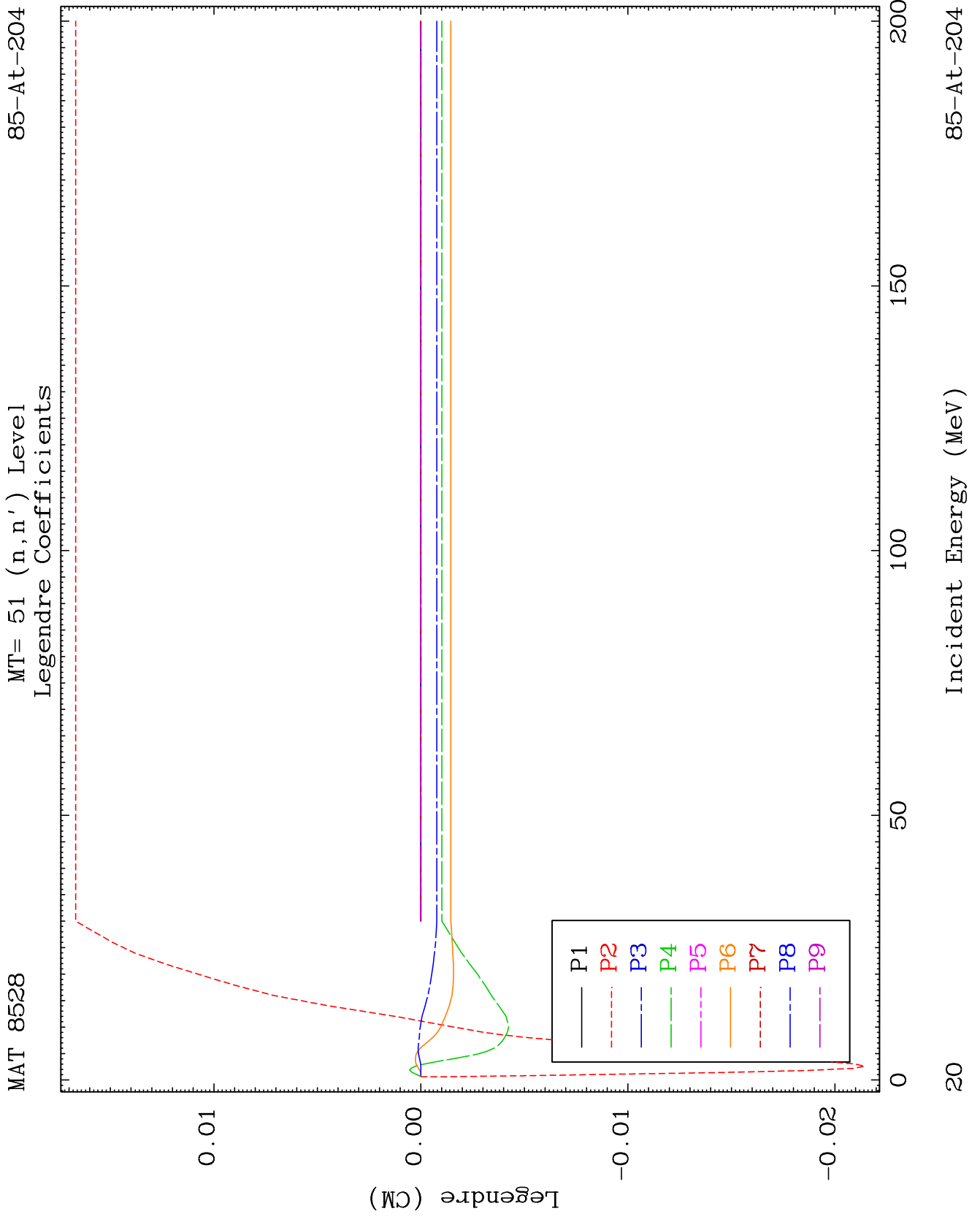
30

19

Incident Energy (MeV)

85-At-204

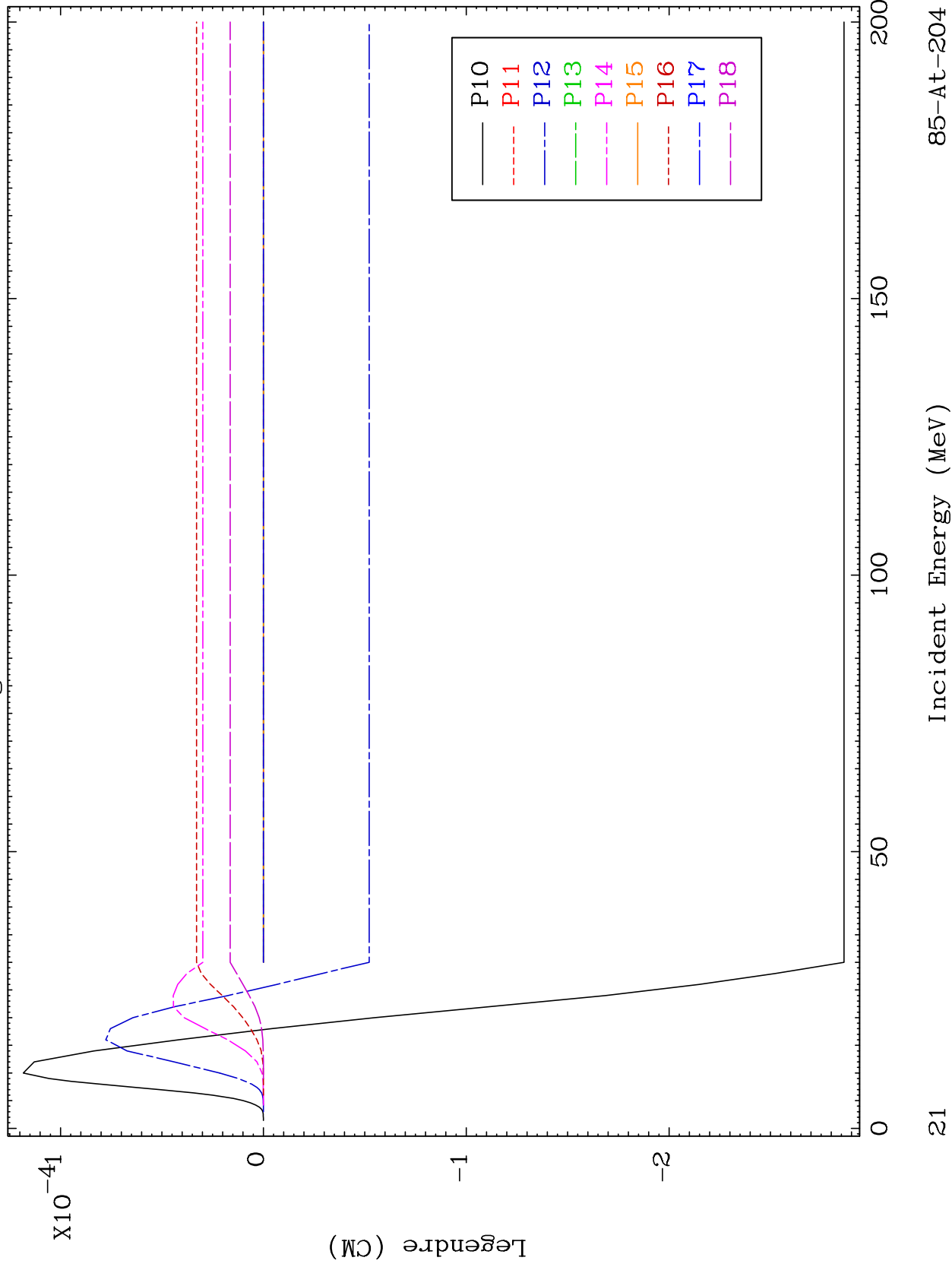


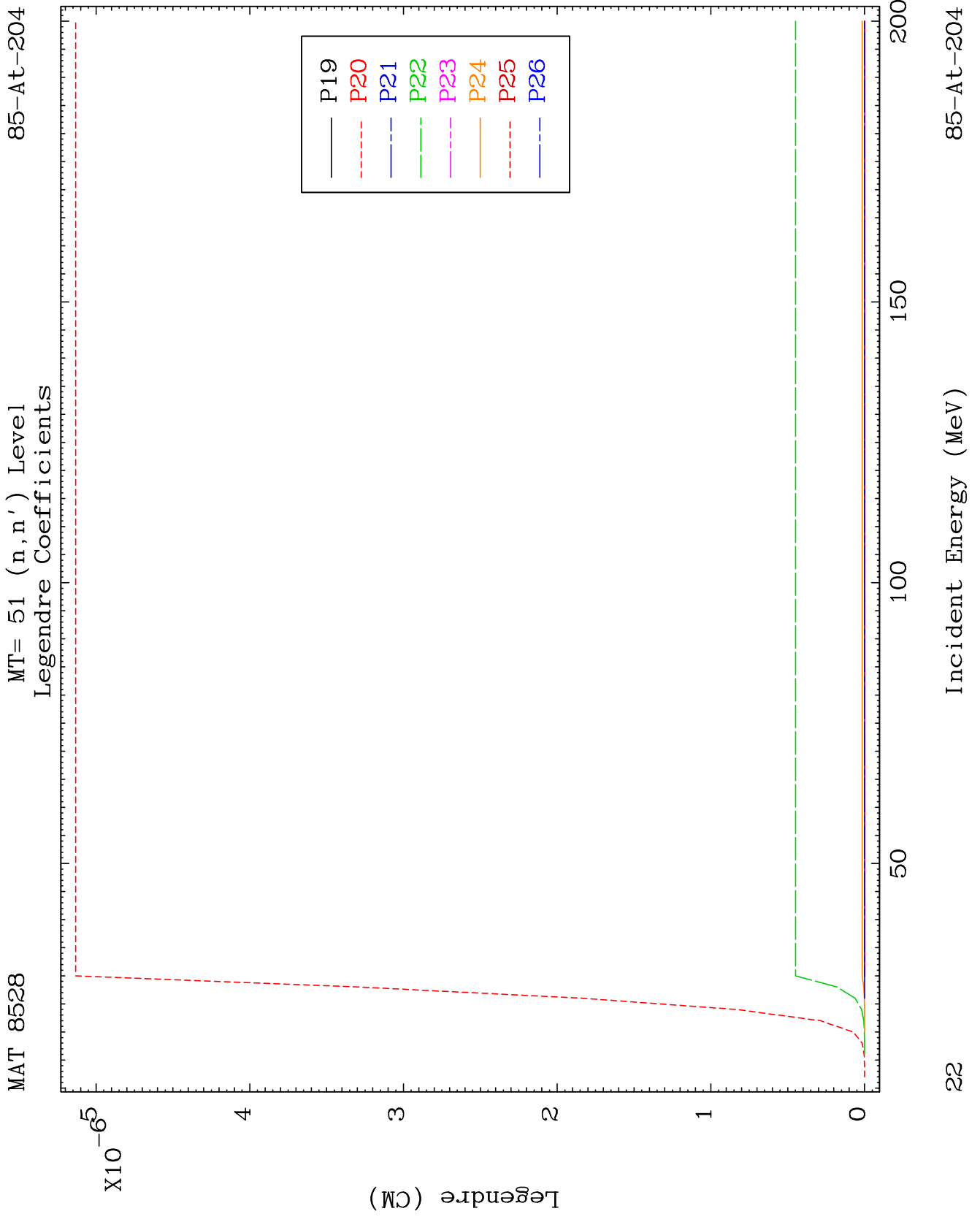


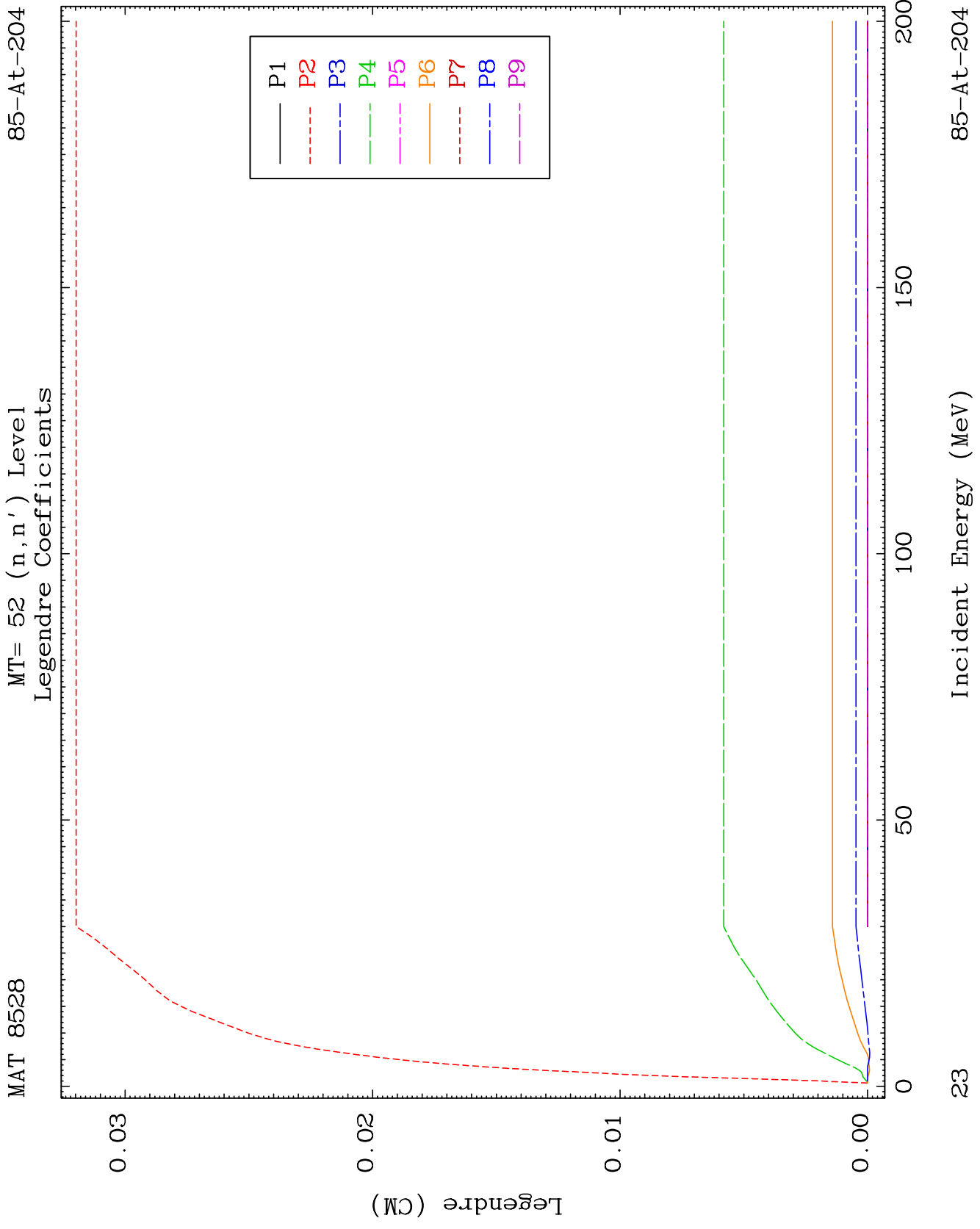
MAT 8528

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

85-At-204



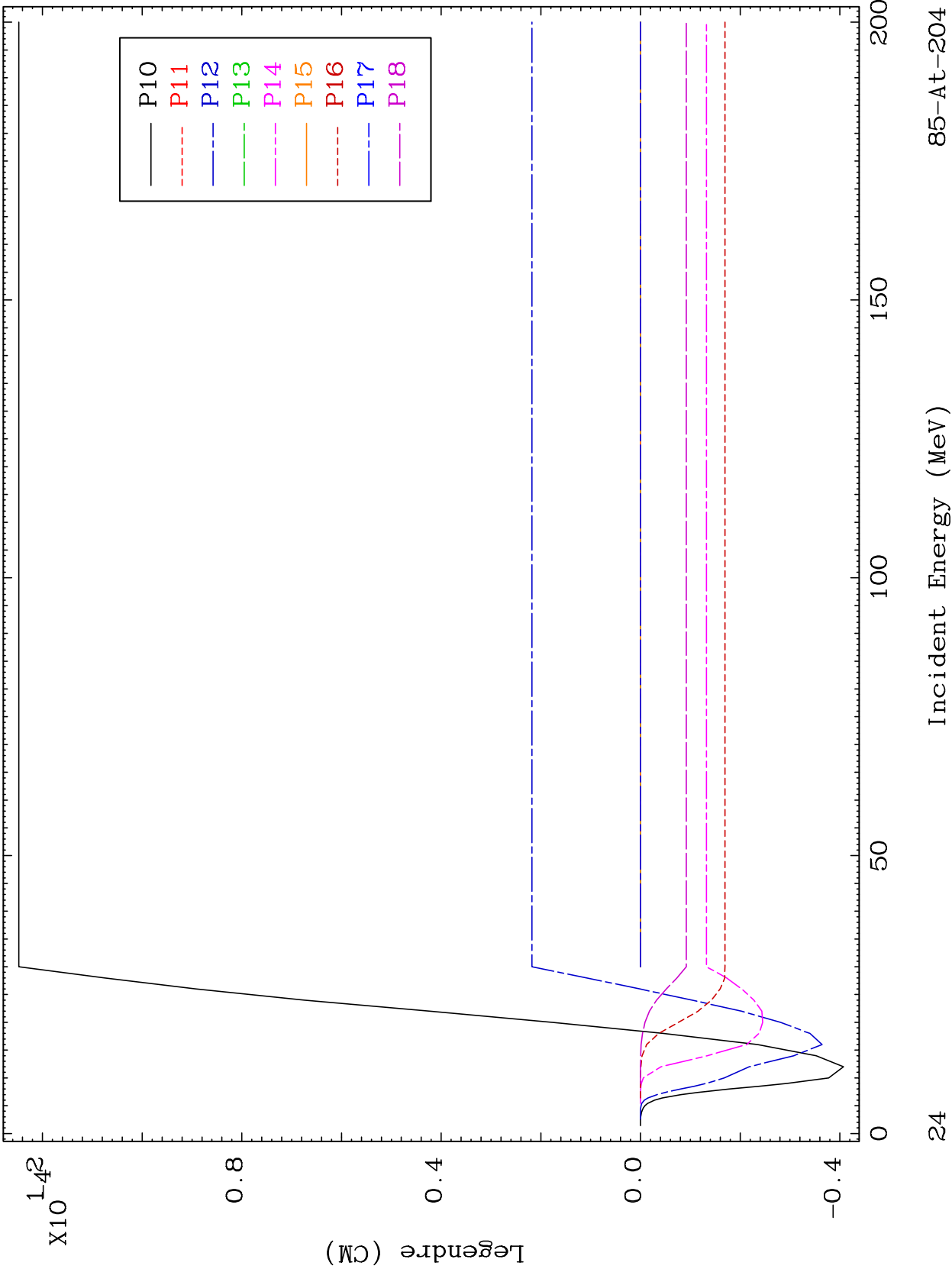




MAT 8528

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

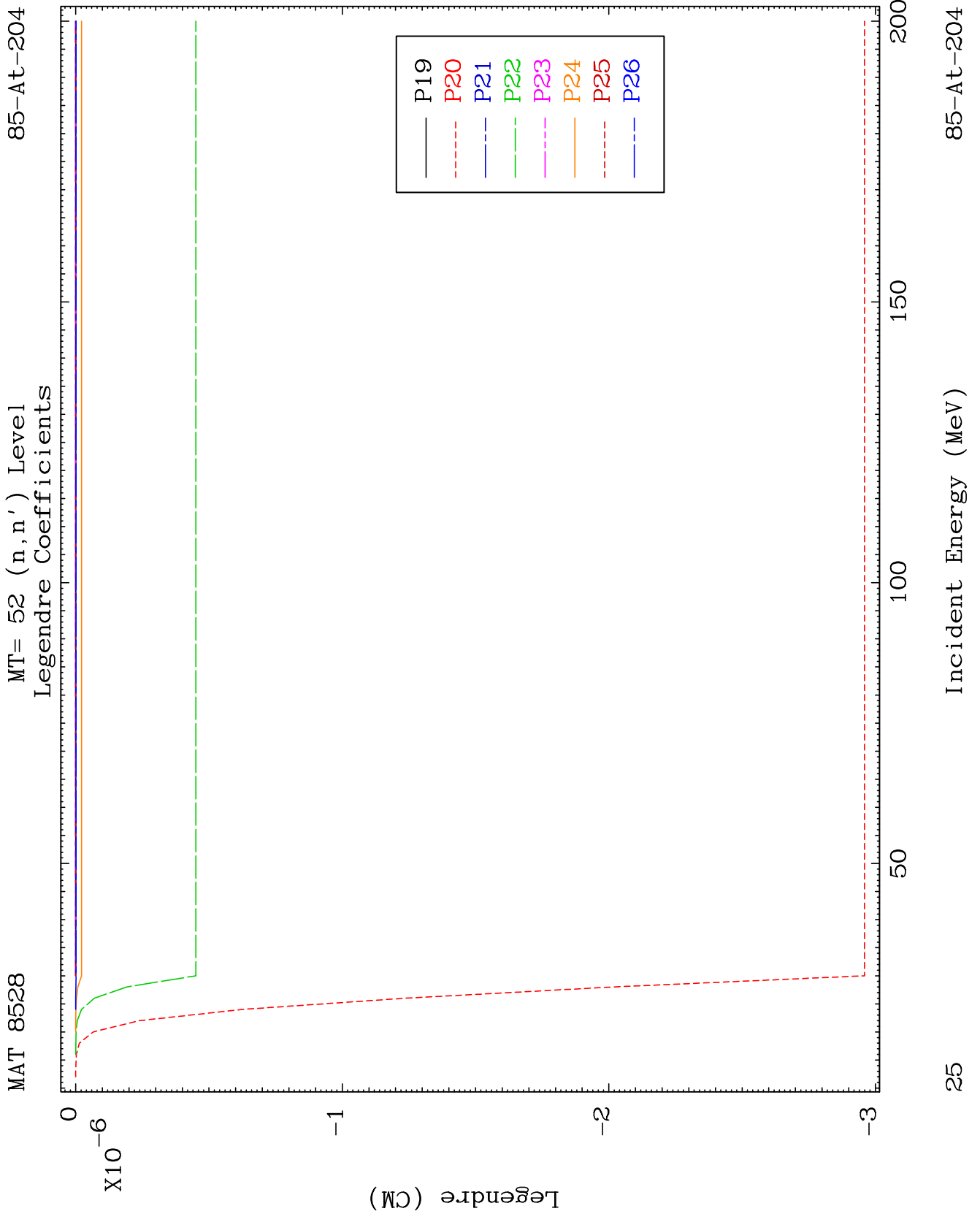
85-At-204



85-At-204

Incident Energy (MeV)

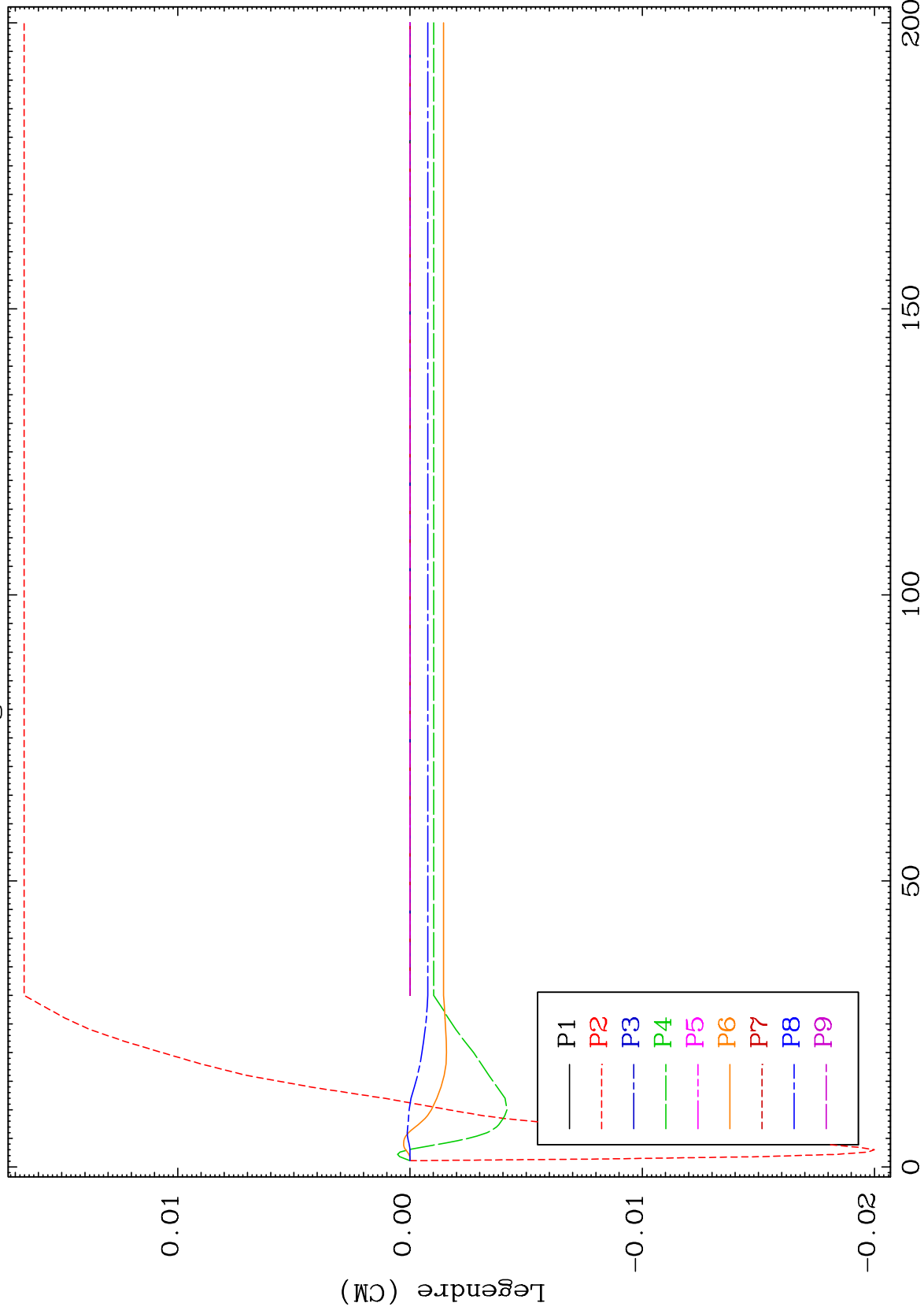
24



MAT 8528

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

85-At-204



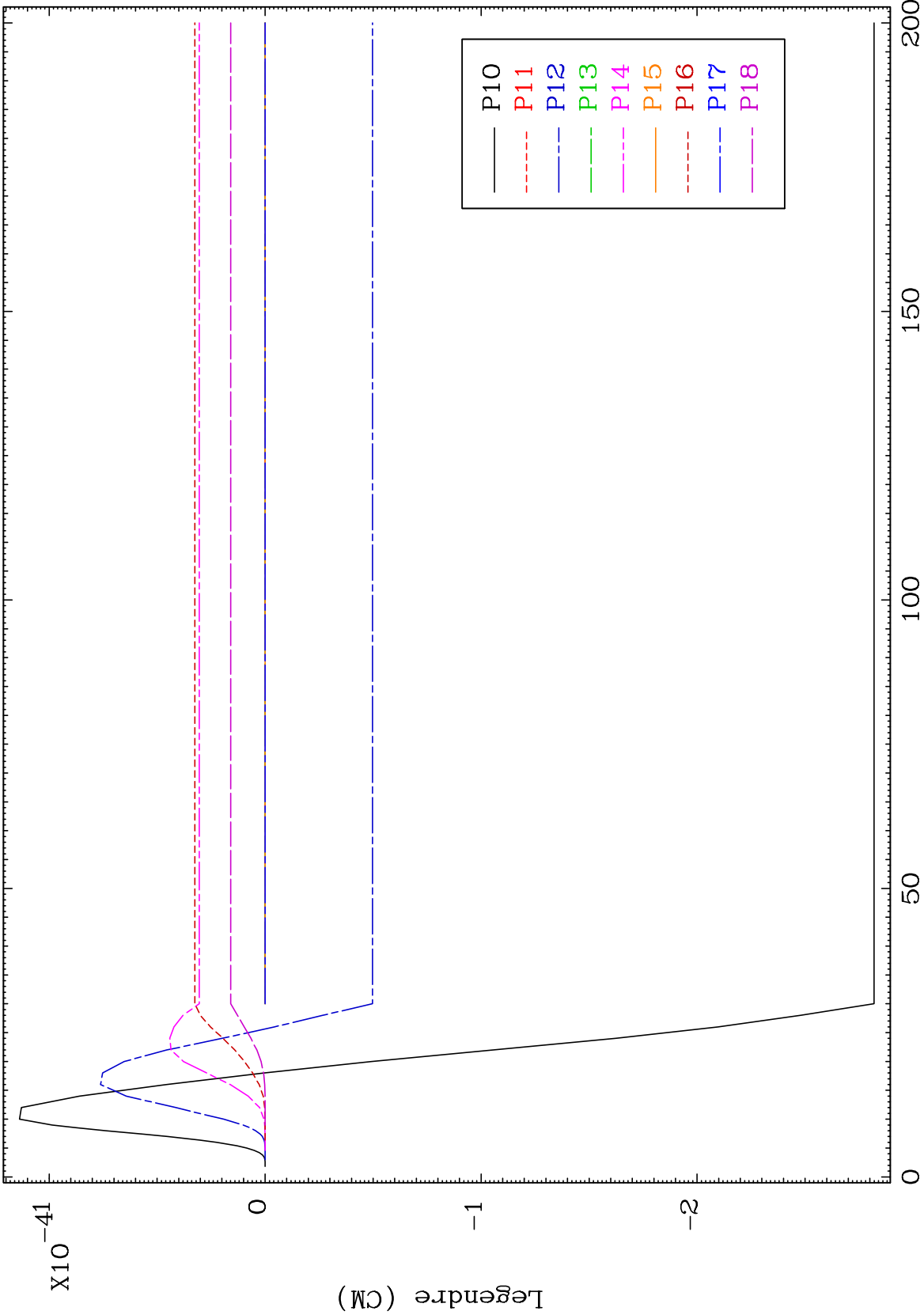
26

85-At-204

MAT 8528

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

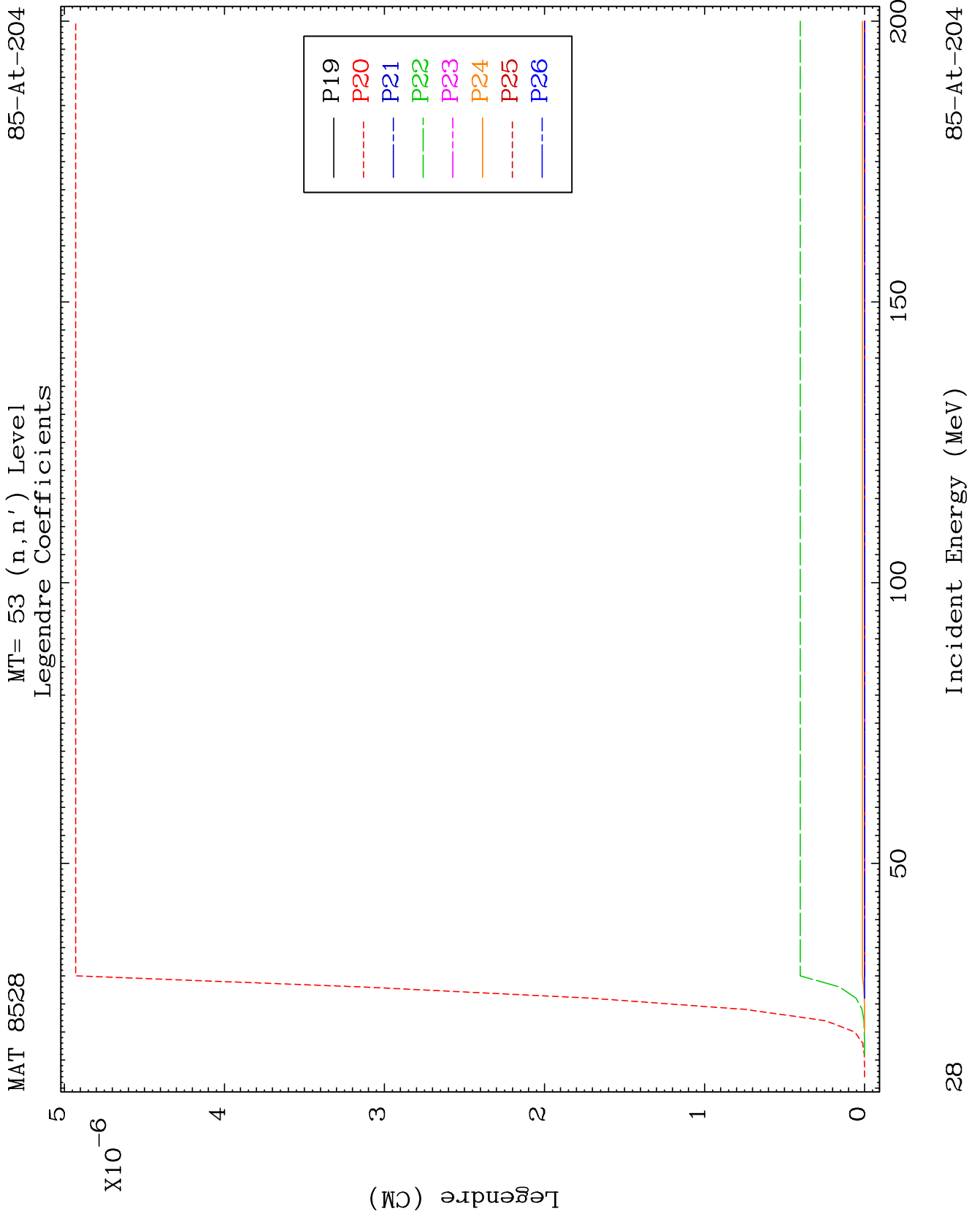
85-At-204



27

Incident Energy (MeV)

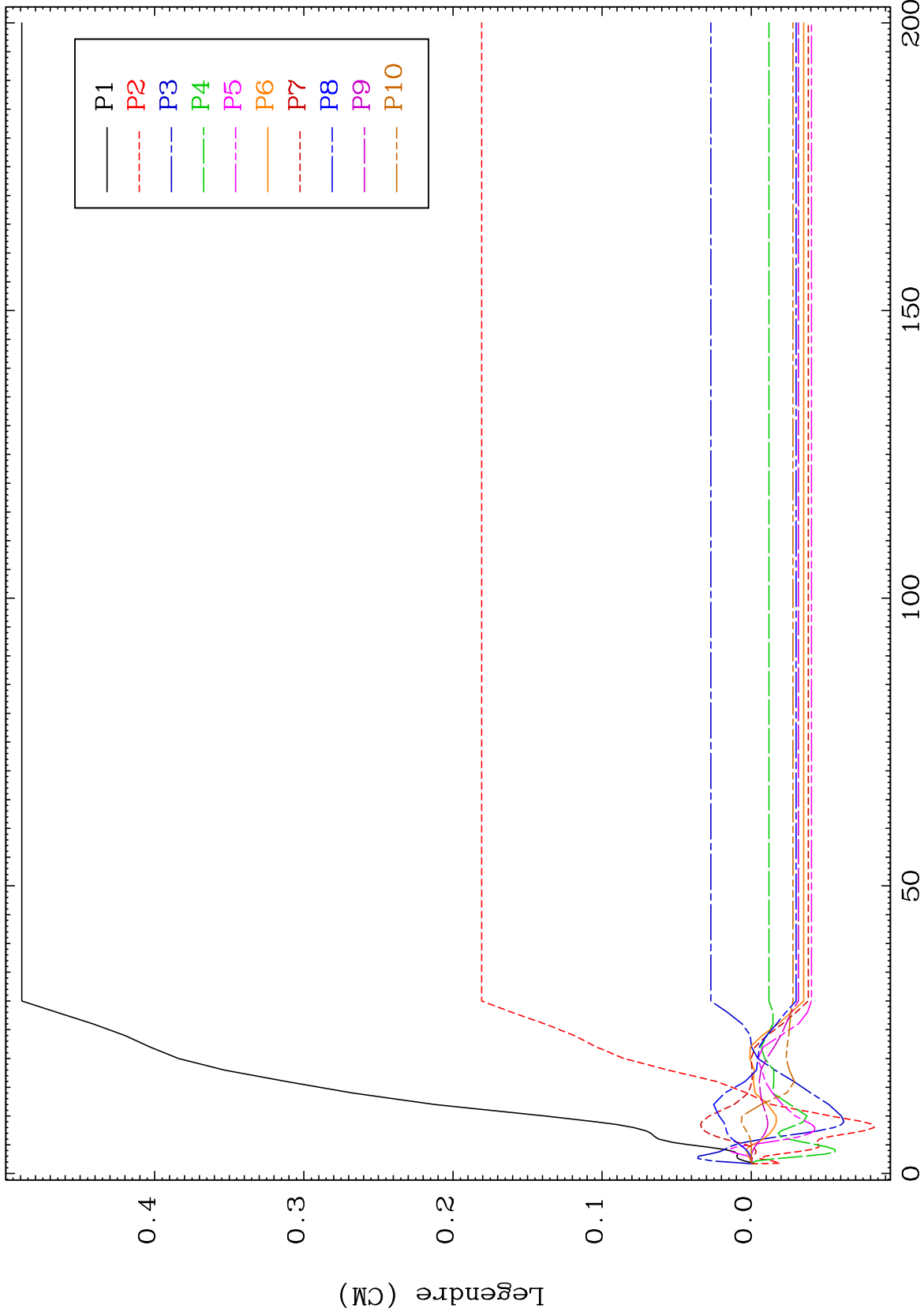
85-At-204



MAT 8528

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

85-At-204



29

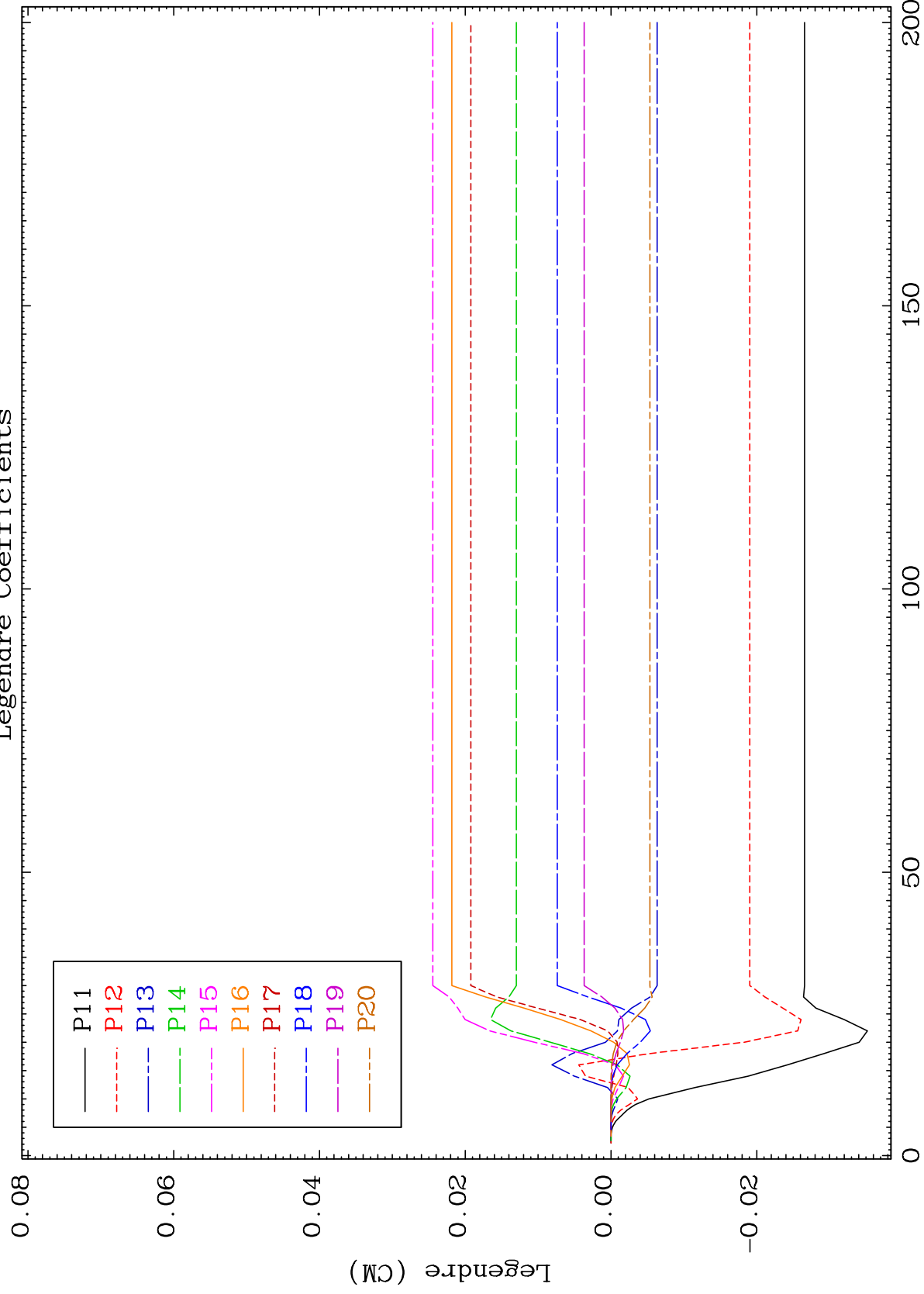
Incident Energy (MeV)

85-At-204

MAT 8528

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

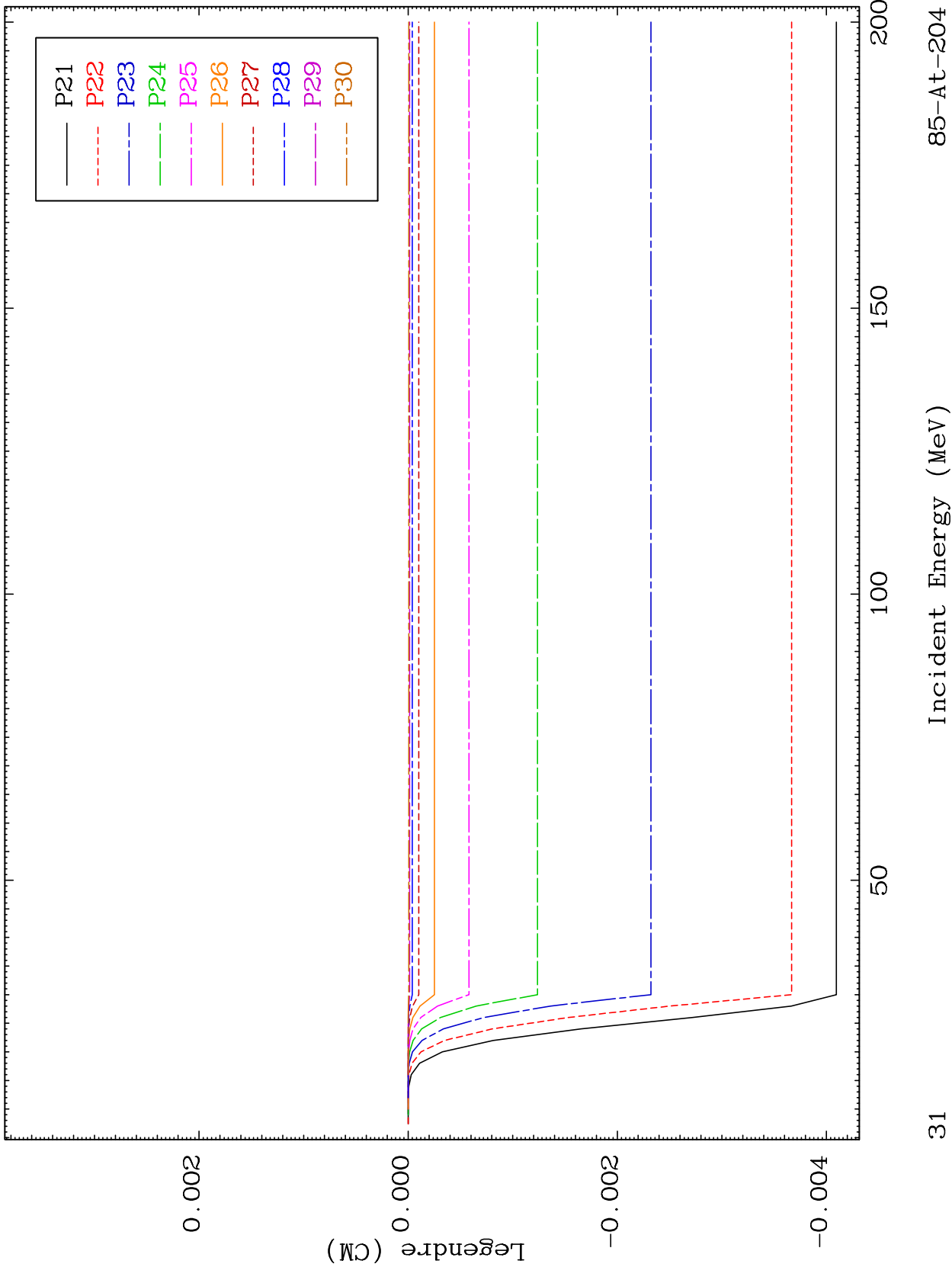
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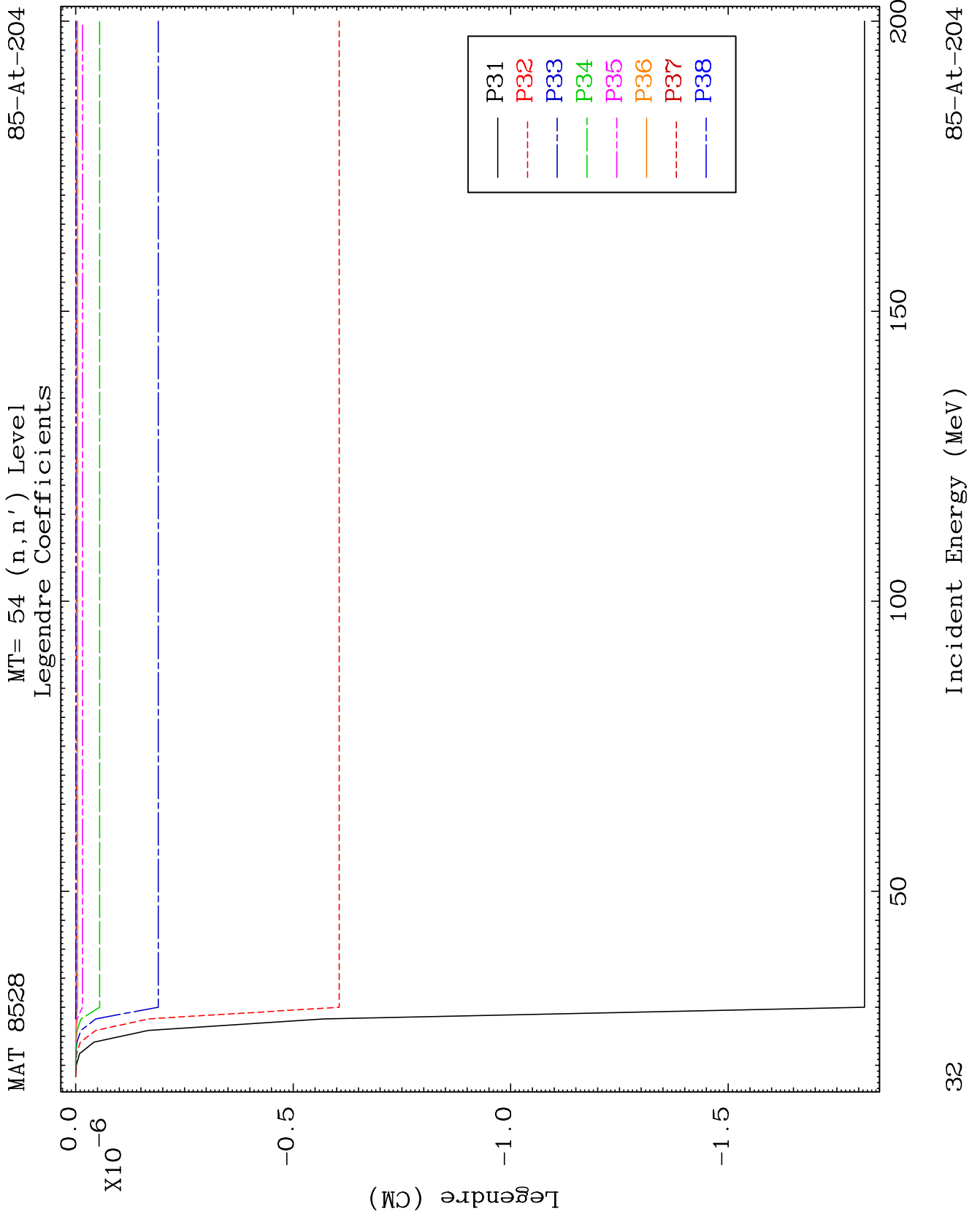


85-At-204

Incident Energy (MeV)

30

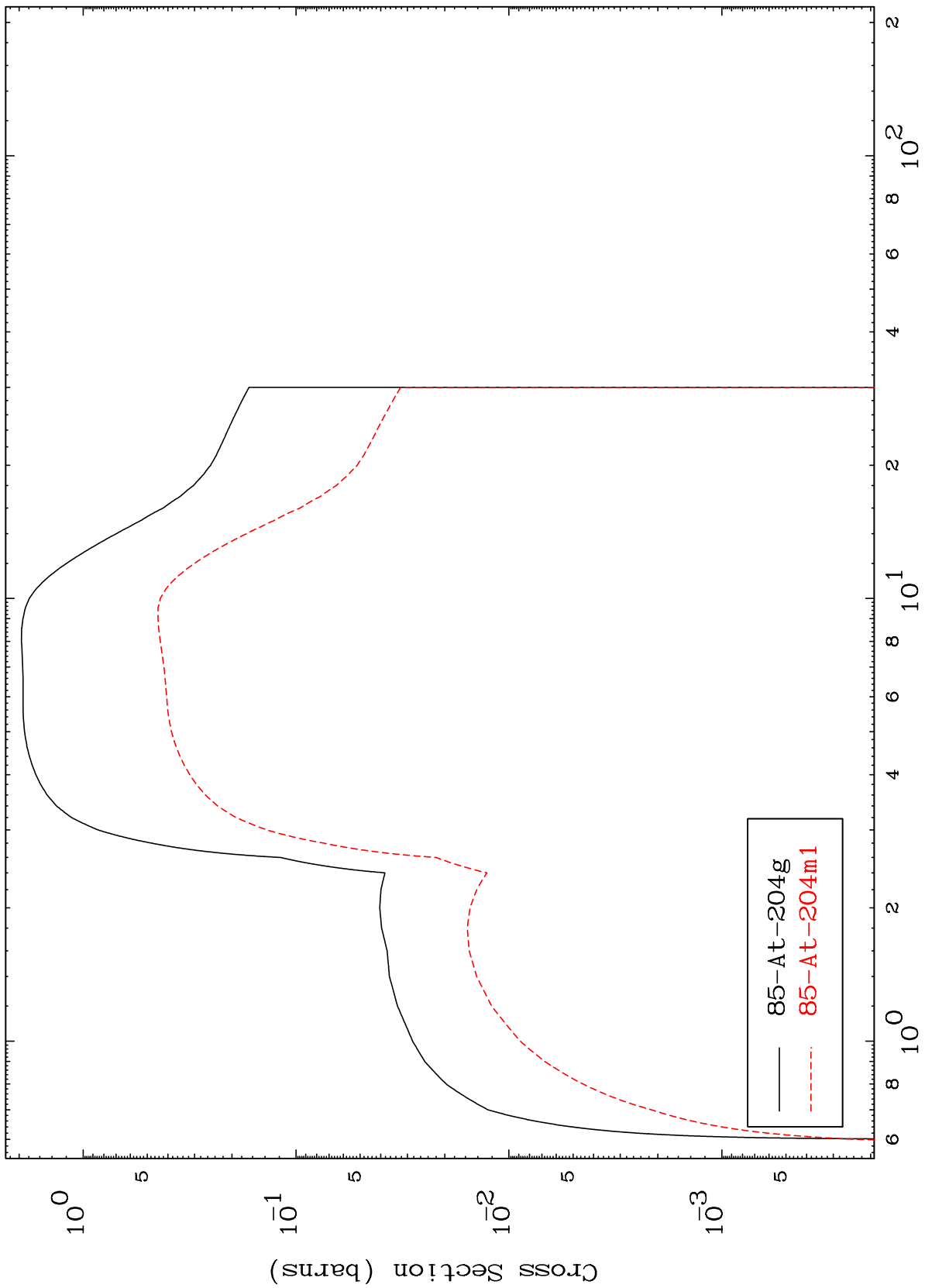




MAT 8528

85-At-204

Inelastic  
Radionuclide Production Cross Section

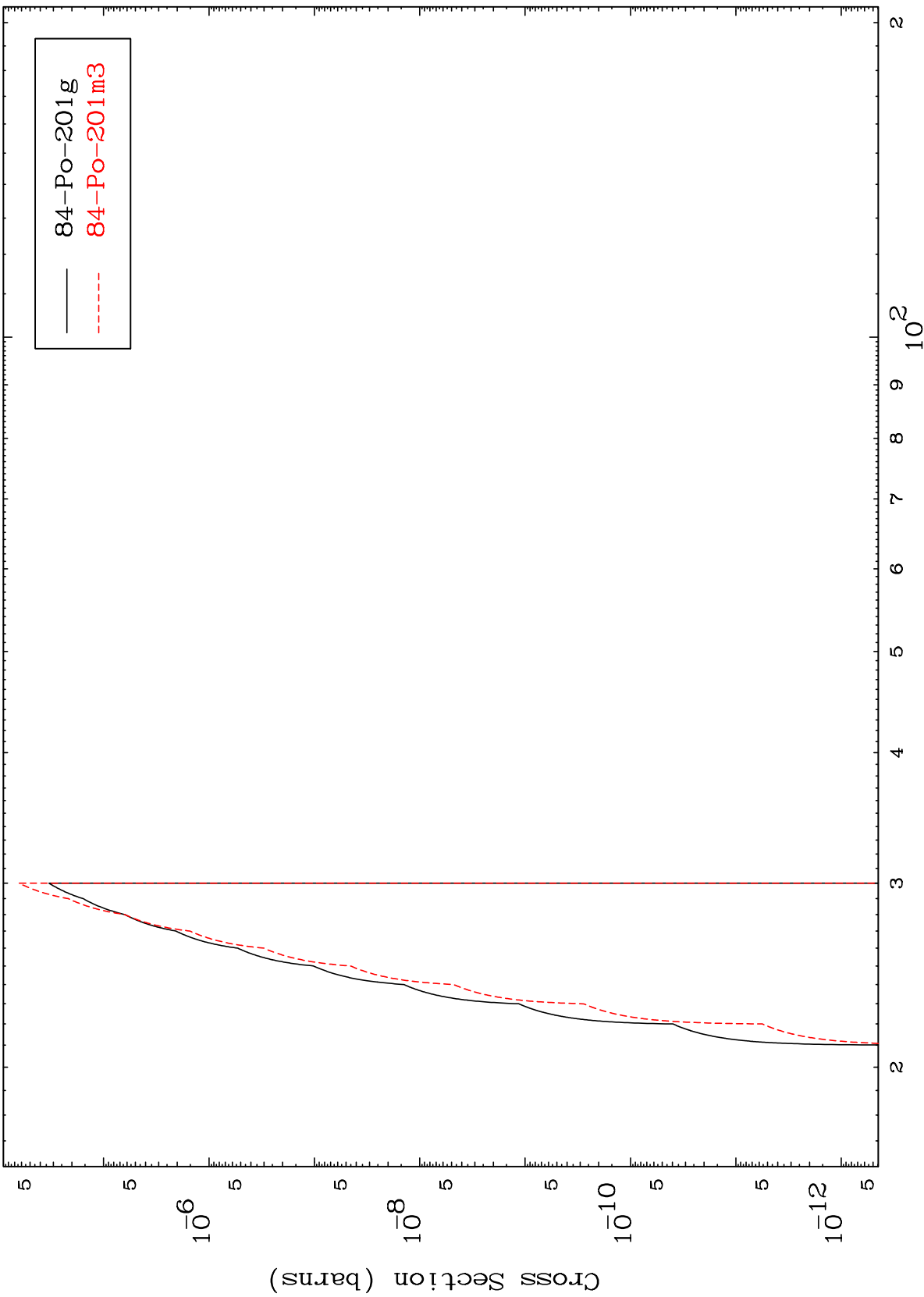


33

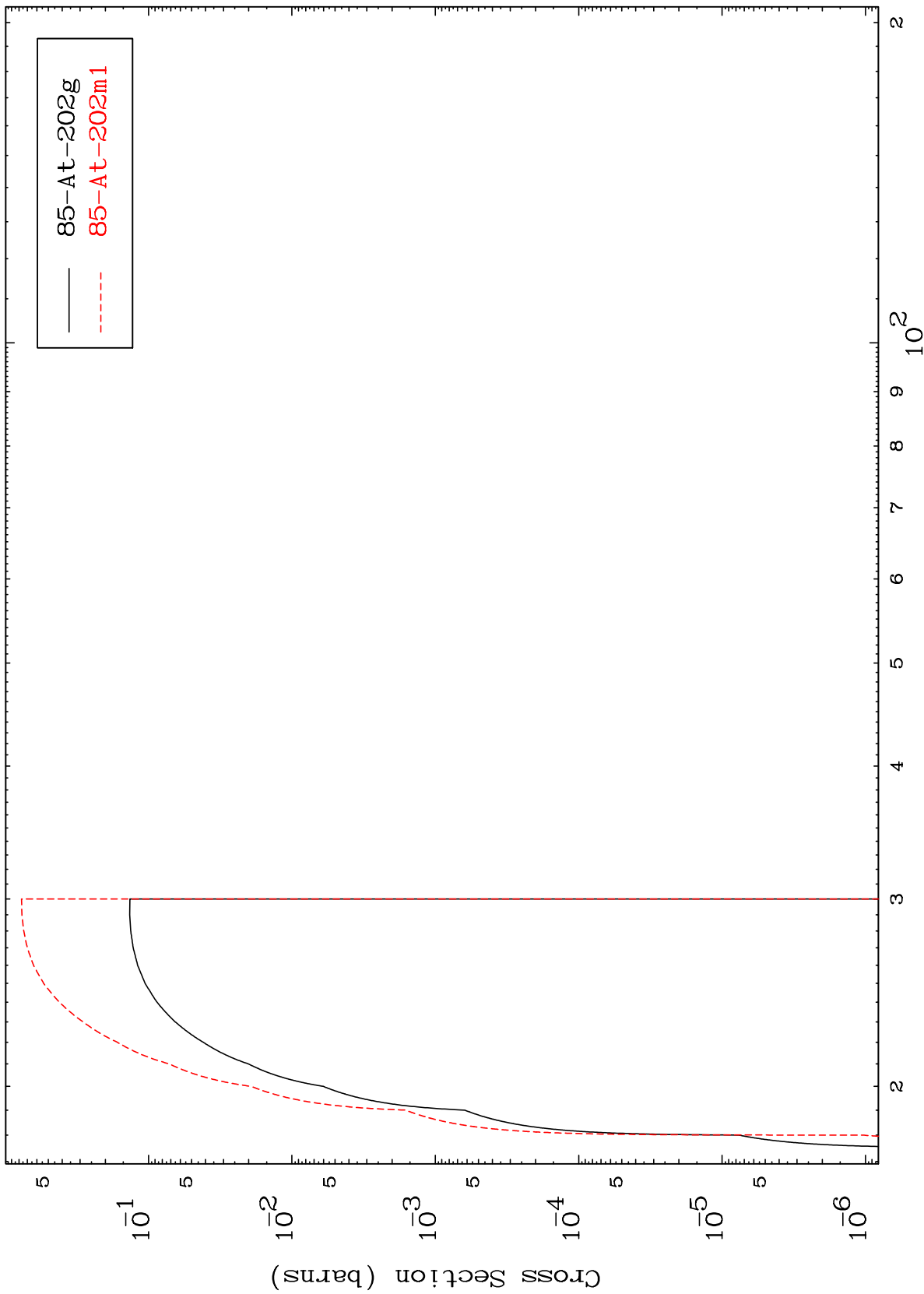
Incident Energy (MeV)

85-At-204

Radionuclide Production Cross Section



(n,3n)  
Radionuclide Production Cross Section

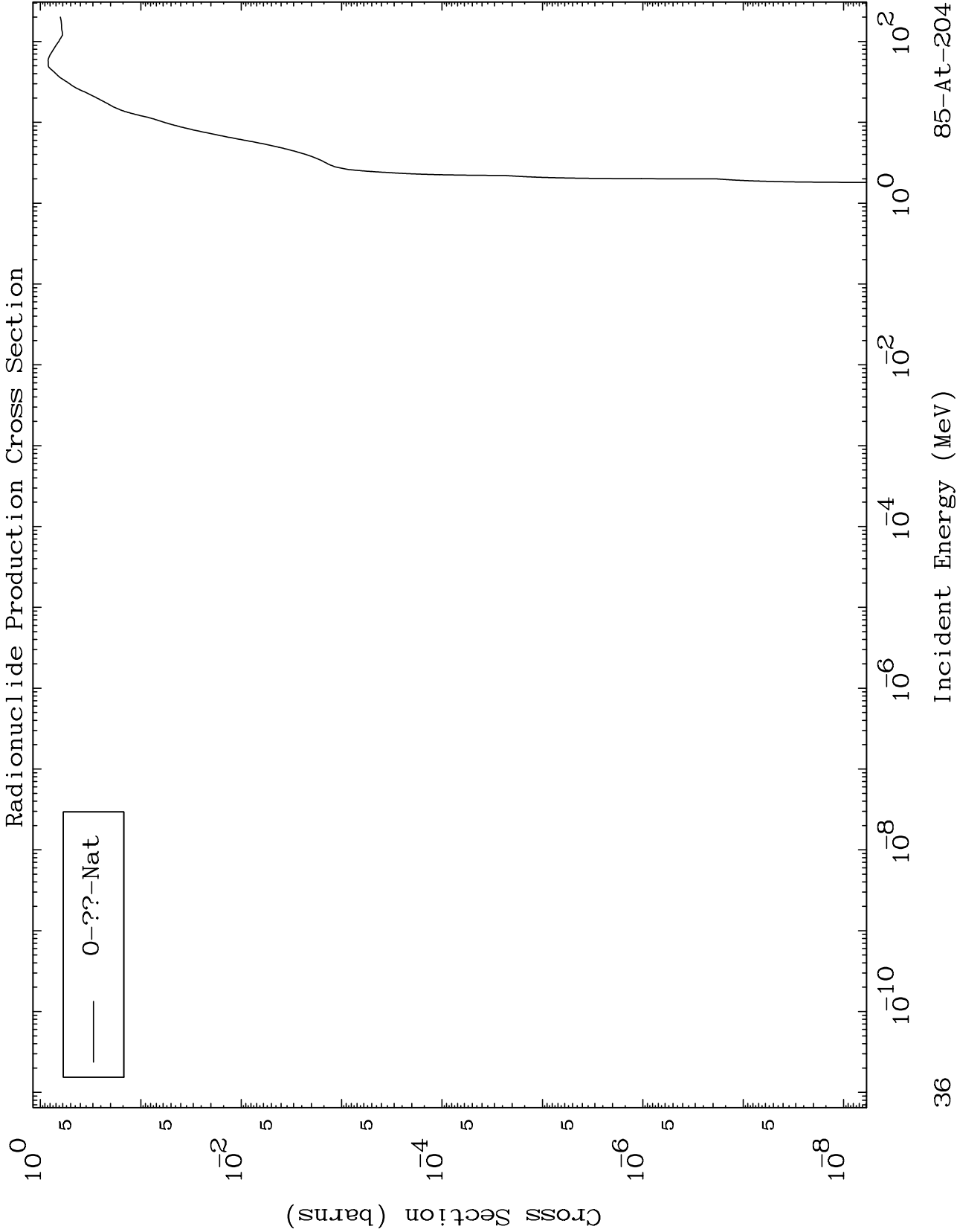


MAT 8528

Fission

85-At-204

Radionuclide Production Cross Section



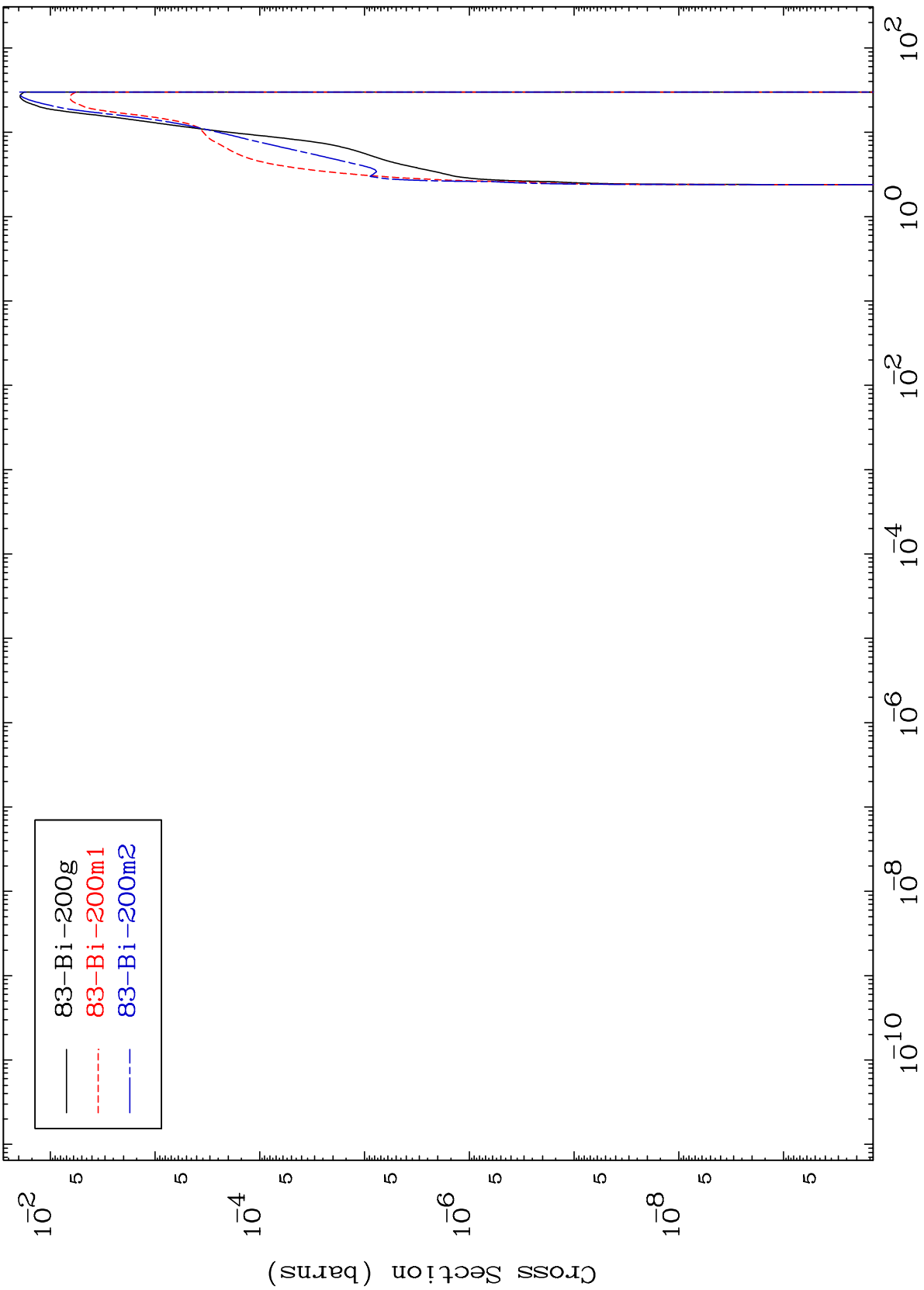
0-??-Nat

MAT 8528

$(n, n') \alpha$

85-At-204

Radionuclide Production Cross Section



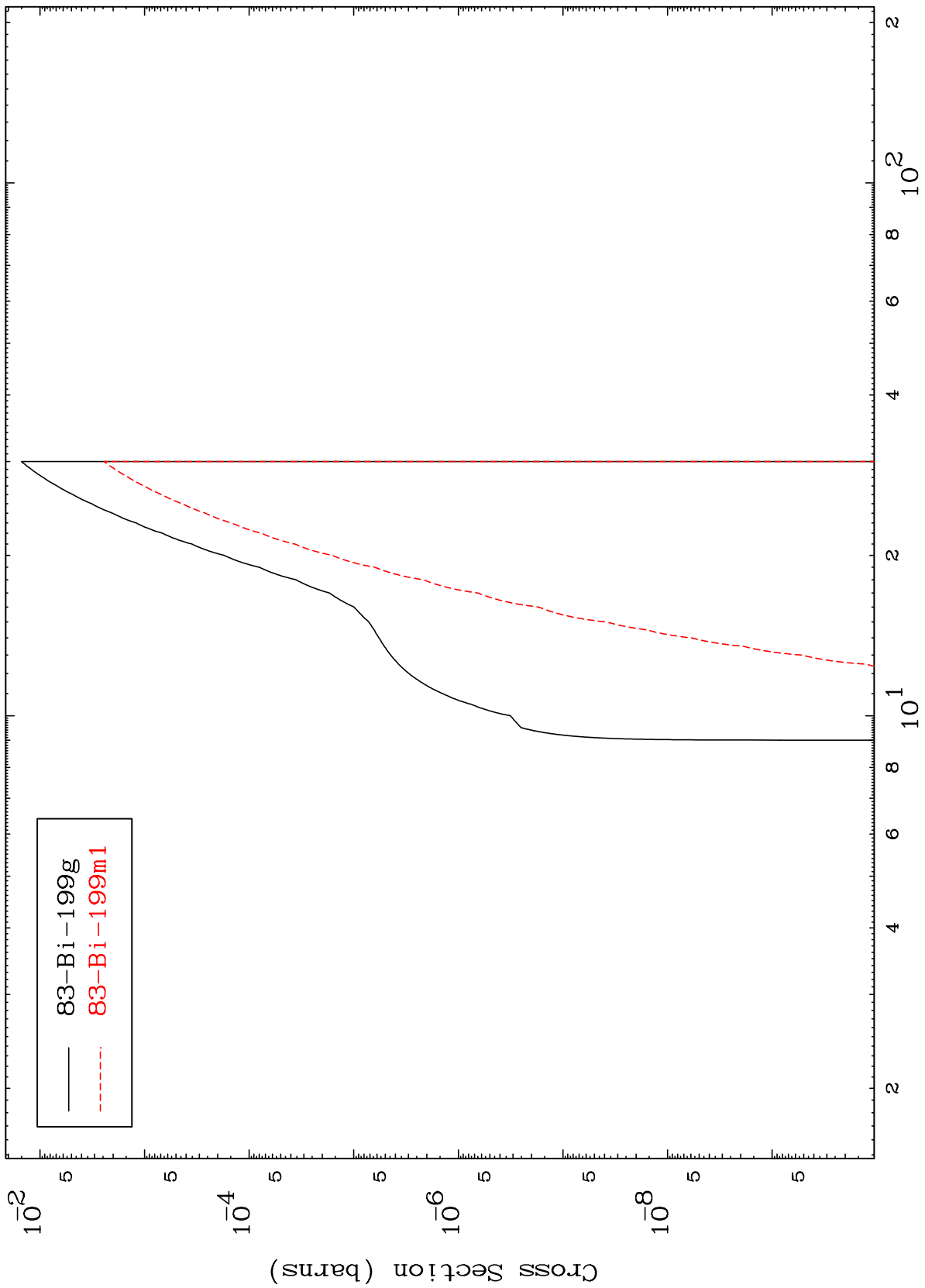
83-Bi-200g  
83-Bi-200m1  
83-Bi-200m2

MAT 8528

(n,2n)  $\alpha$

85-At-204

Radionuclide Production Cross Section

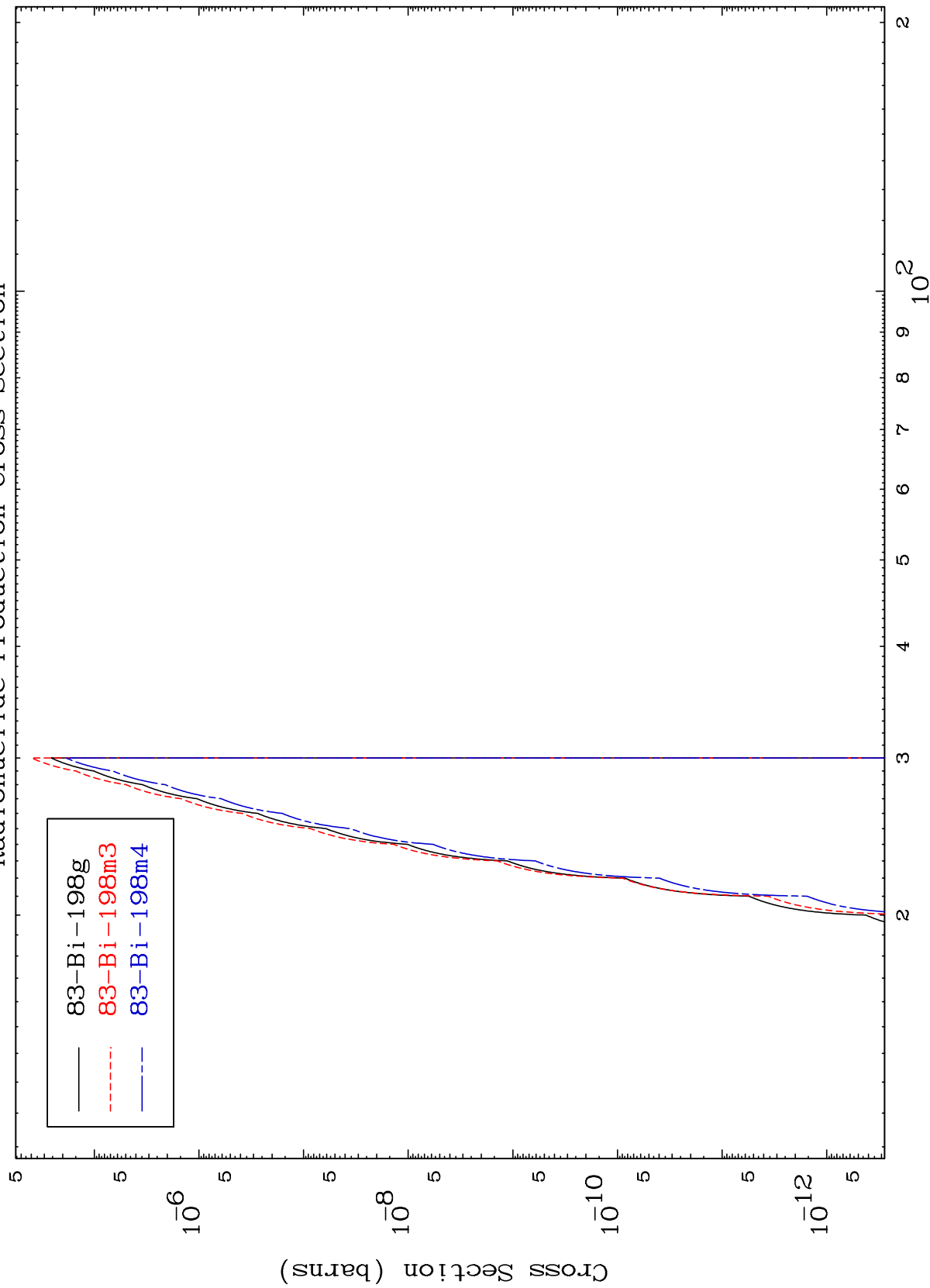


38

Incident Energy (MeV)

85-At-204

(n,3n)  $\alpha$   
Radionuclide Production Cross Section

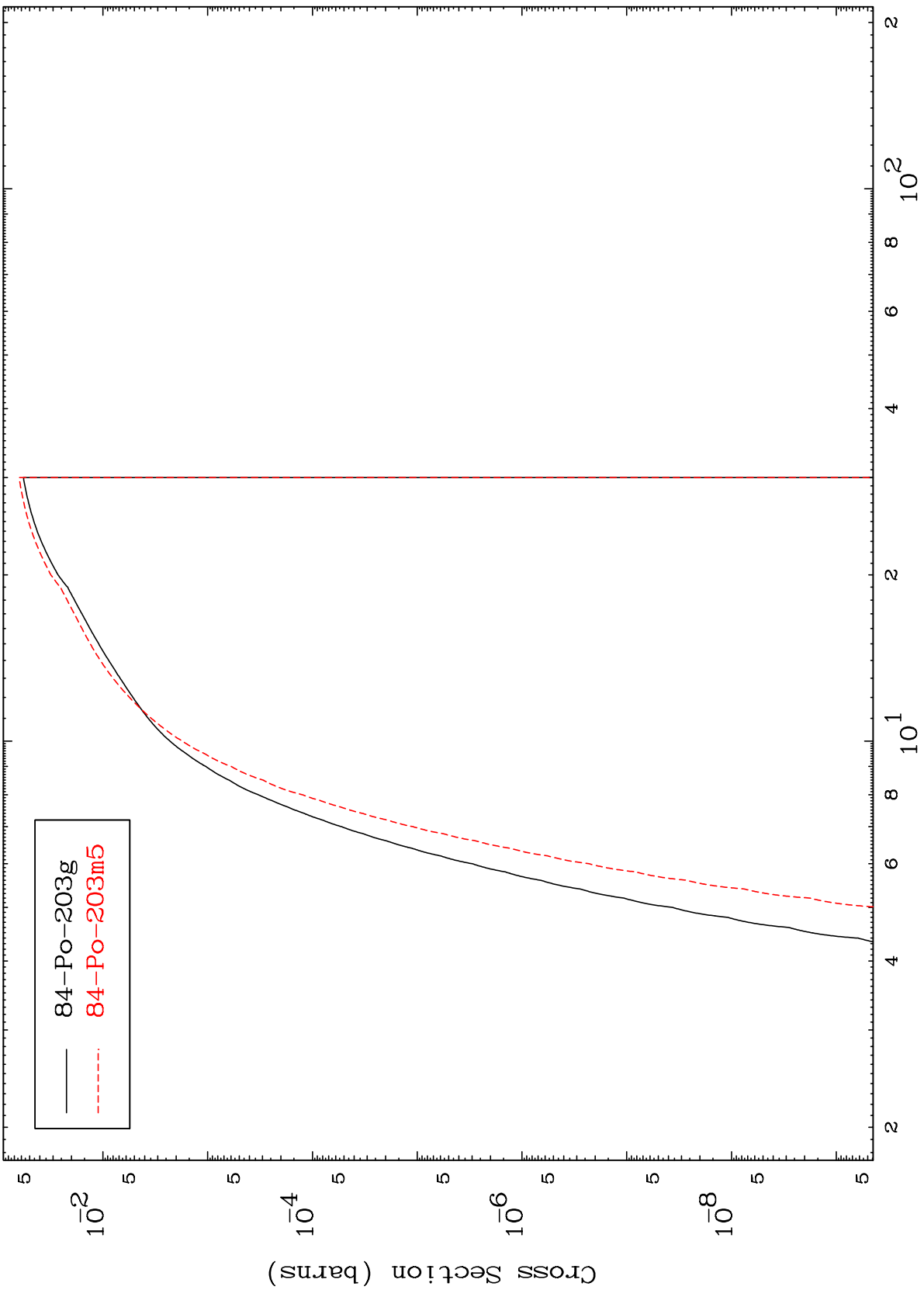


MAT 8528

(n,n') p

85-At-204

Radionuclide Production Cross Section



40

Incident Energy (MeV)

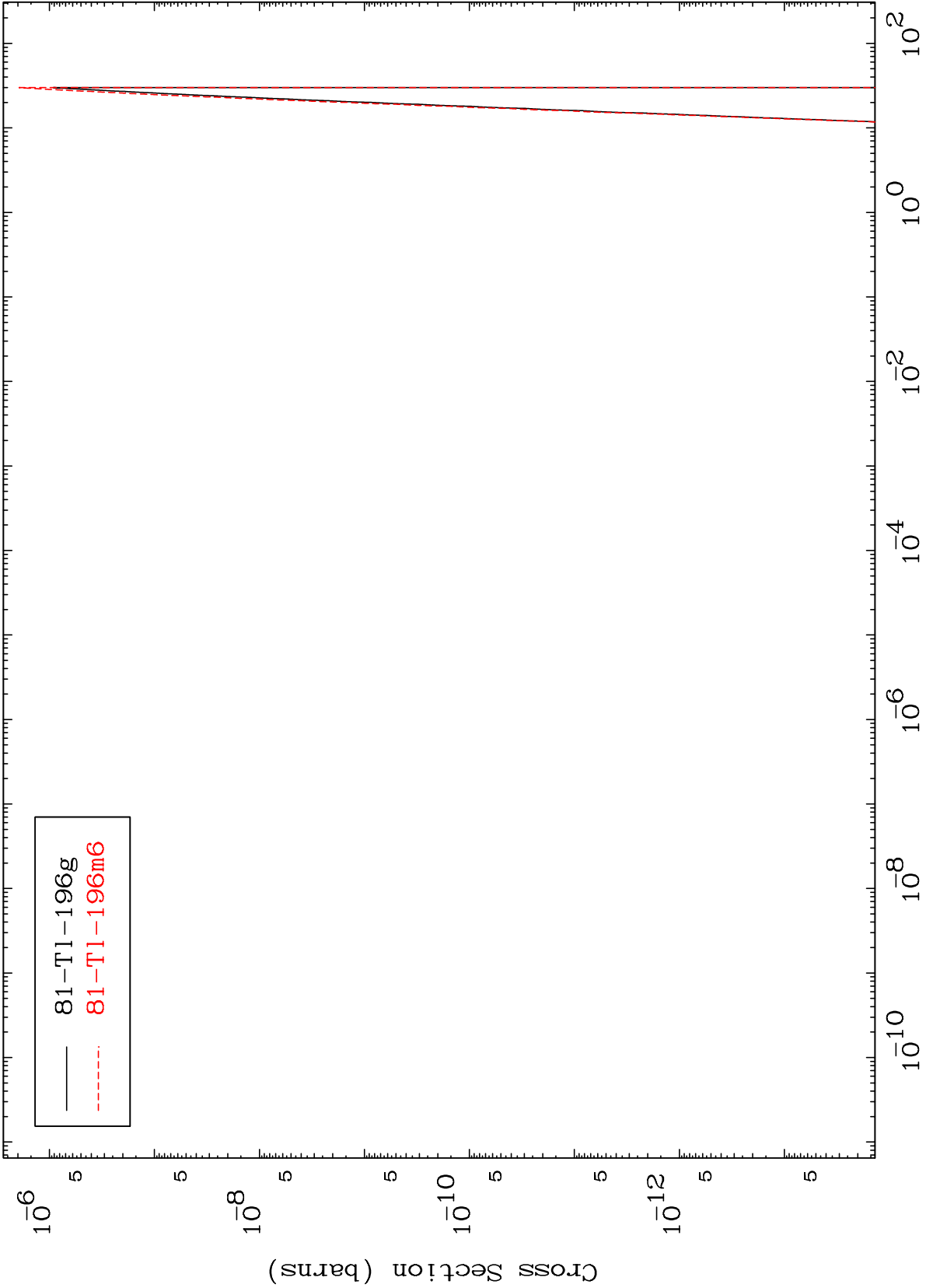
85-At-204

MAT 8528

(n,n') 2α

85-At-204

Radionuclide Production Cross Section



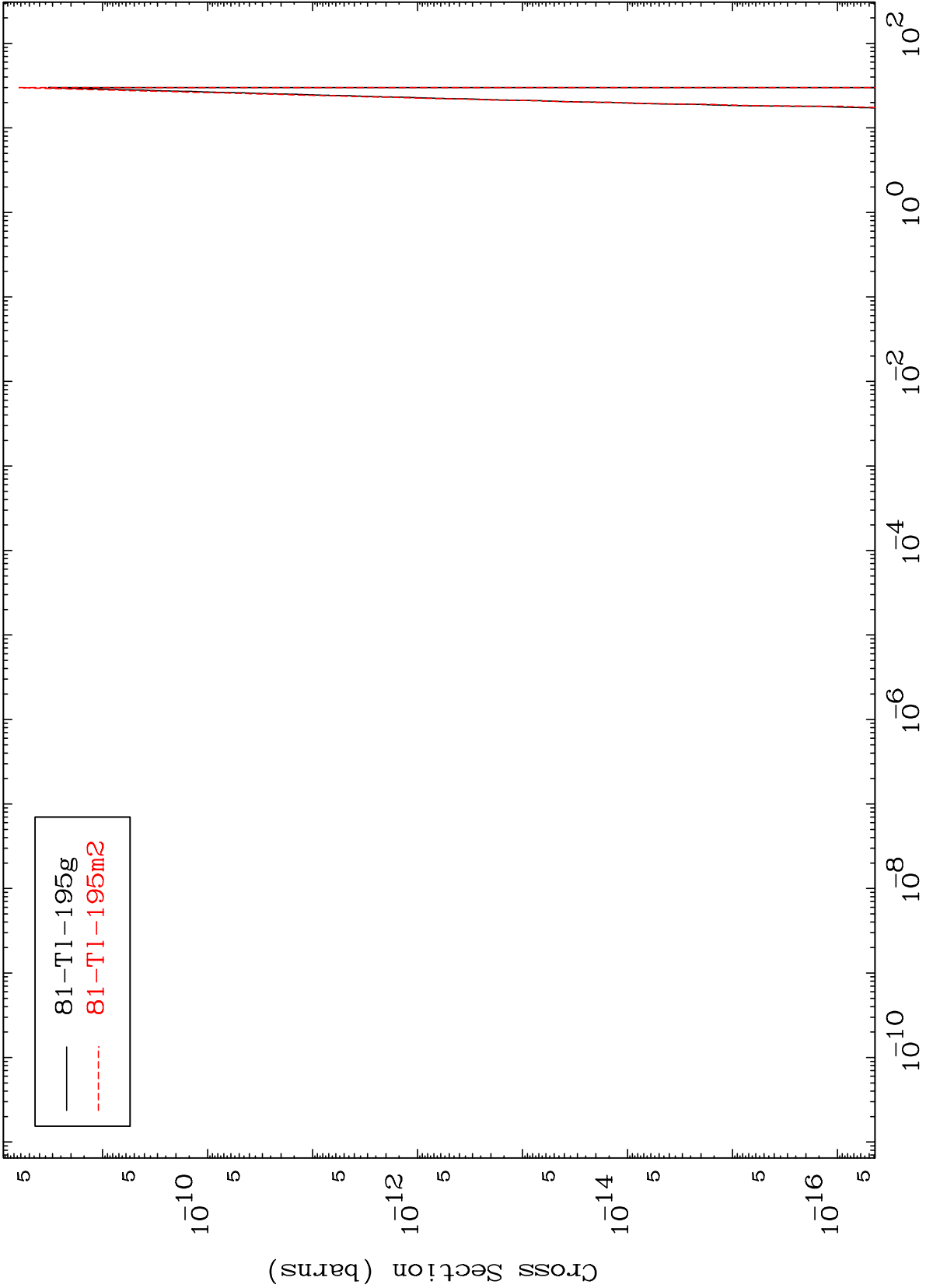
81-Tl-196g  
81-Tl-196m6

MAT 8528

(n,2n) 2α

85-At-204

Radionuclide Production Cross Section



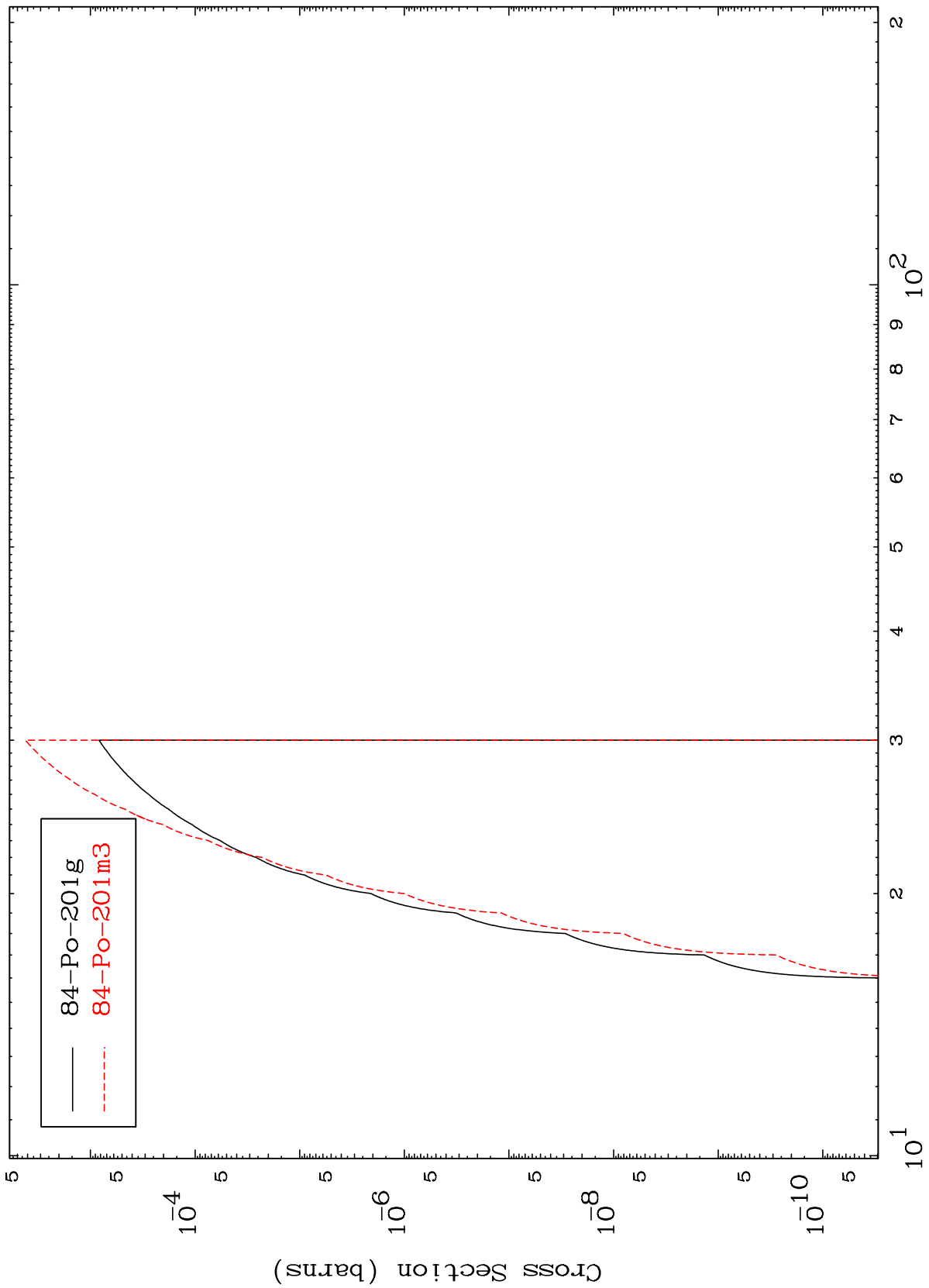
81-Tl-195g  
81-Tl-195m2

MAT 8528

(n,n') t

85-At-204

Radionuclide Production Cross Section



Incident Energy (MeV)

85-At-204

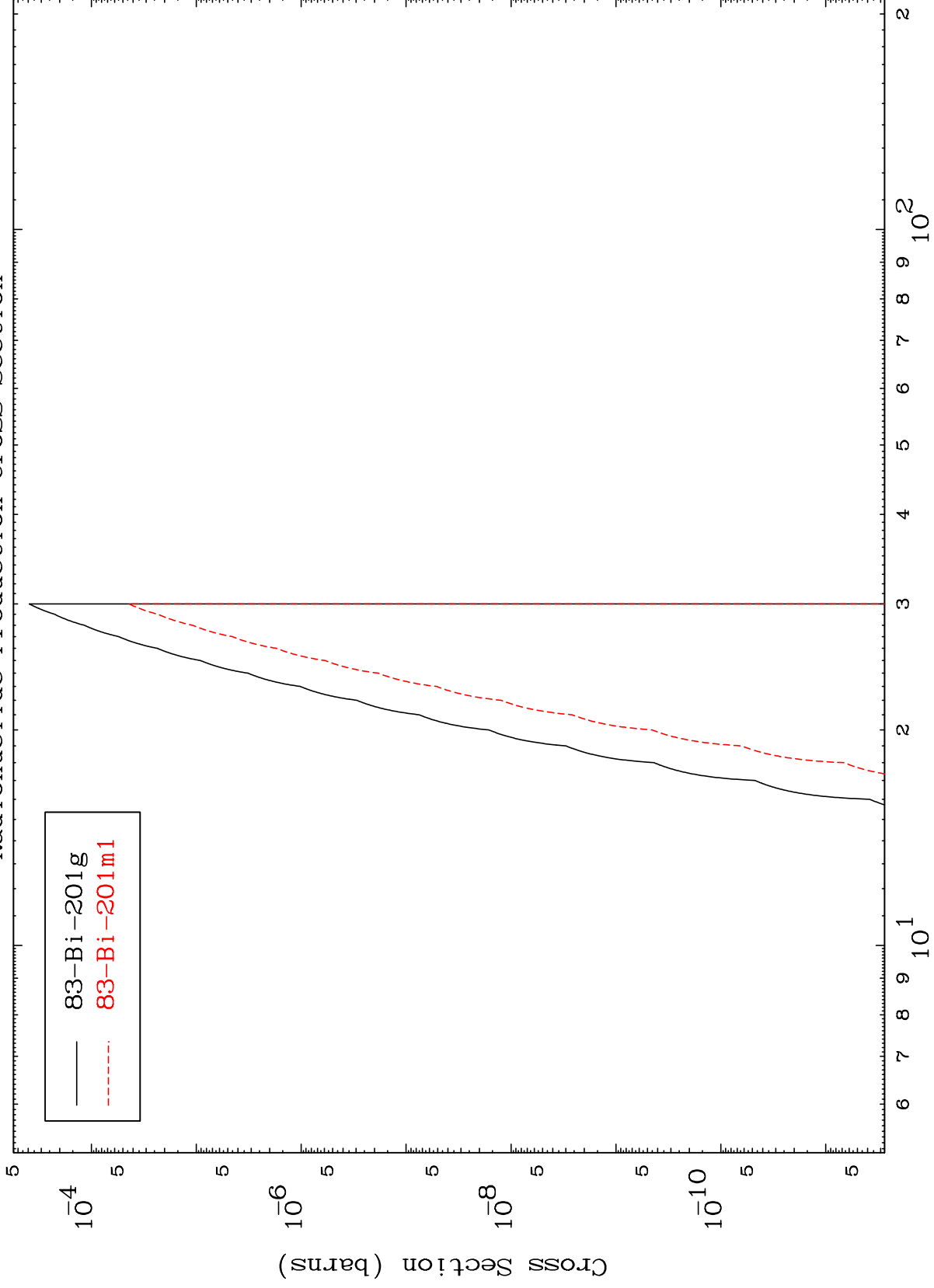
43

MAT 8528

(n,n') He-3

85-At-204

Radionuclide Production Cross Section



44

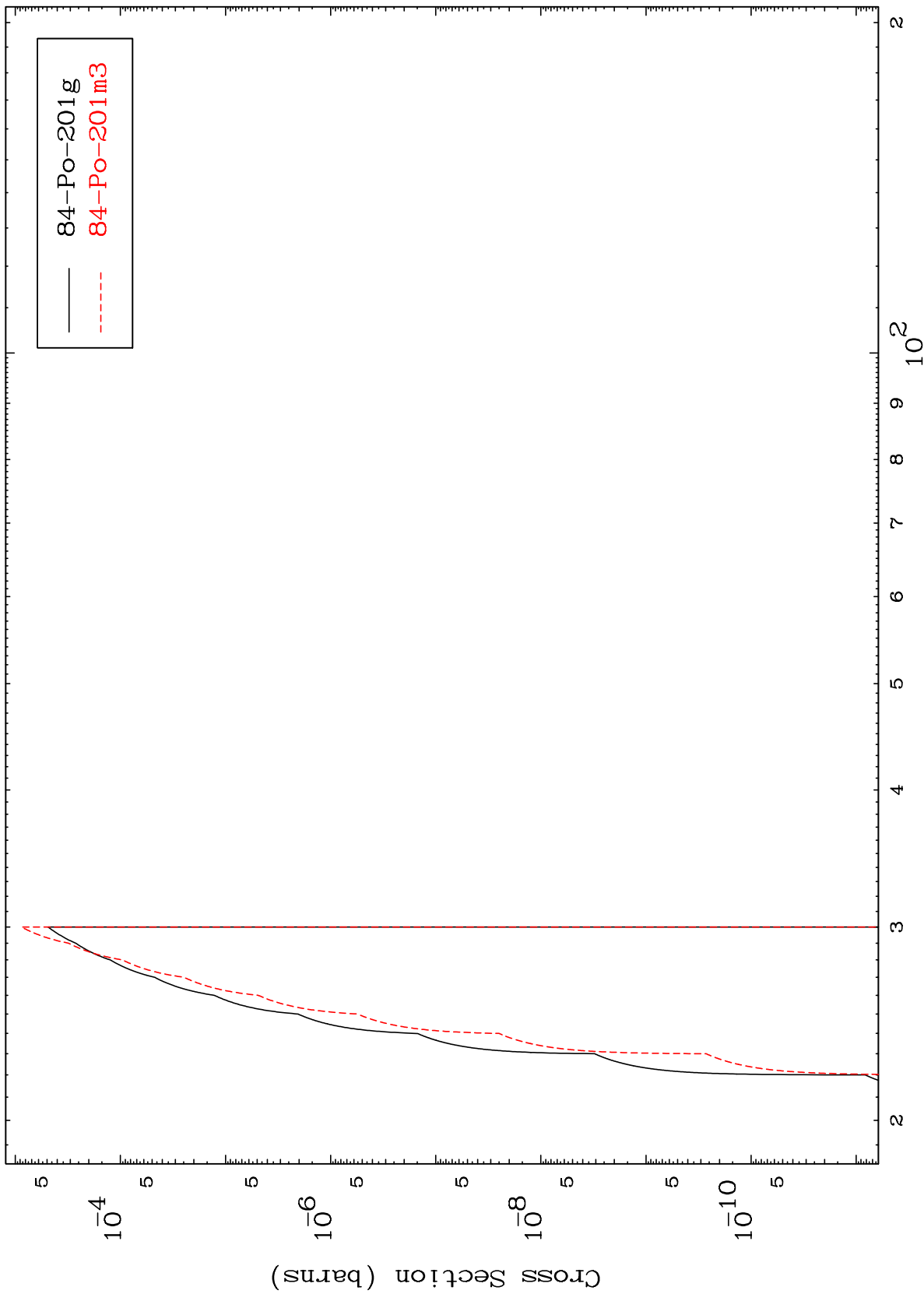
Incident Energy (MeV)

85-At-204

MAT 8528

85-At-204

(n,3n) p  
Radionuclide Production Cross Section



85-At-204

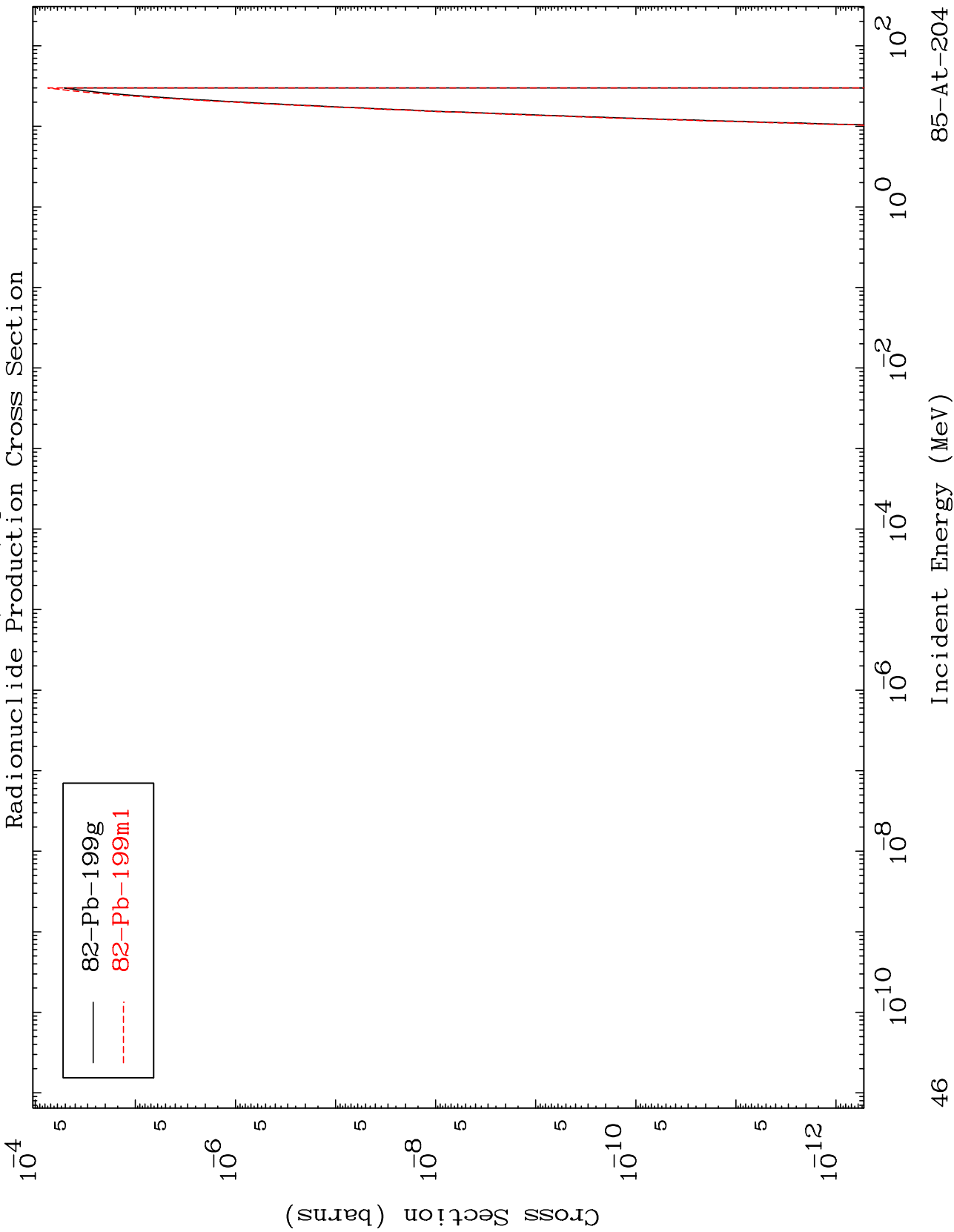
Incident Energy (MeV)

45

MAT 8528

(n,n') p  $\alpha$

85-At-204



46

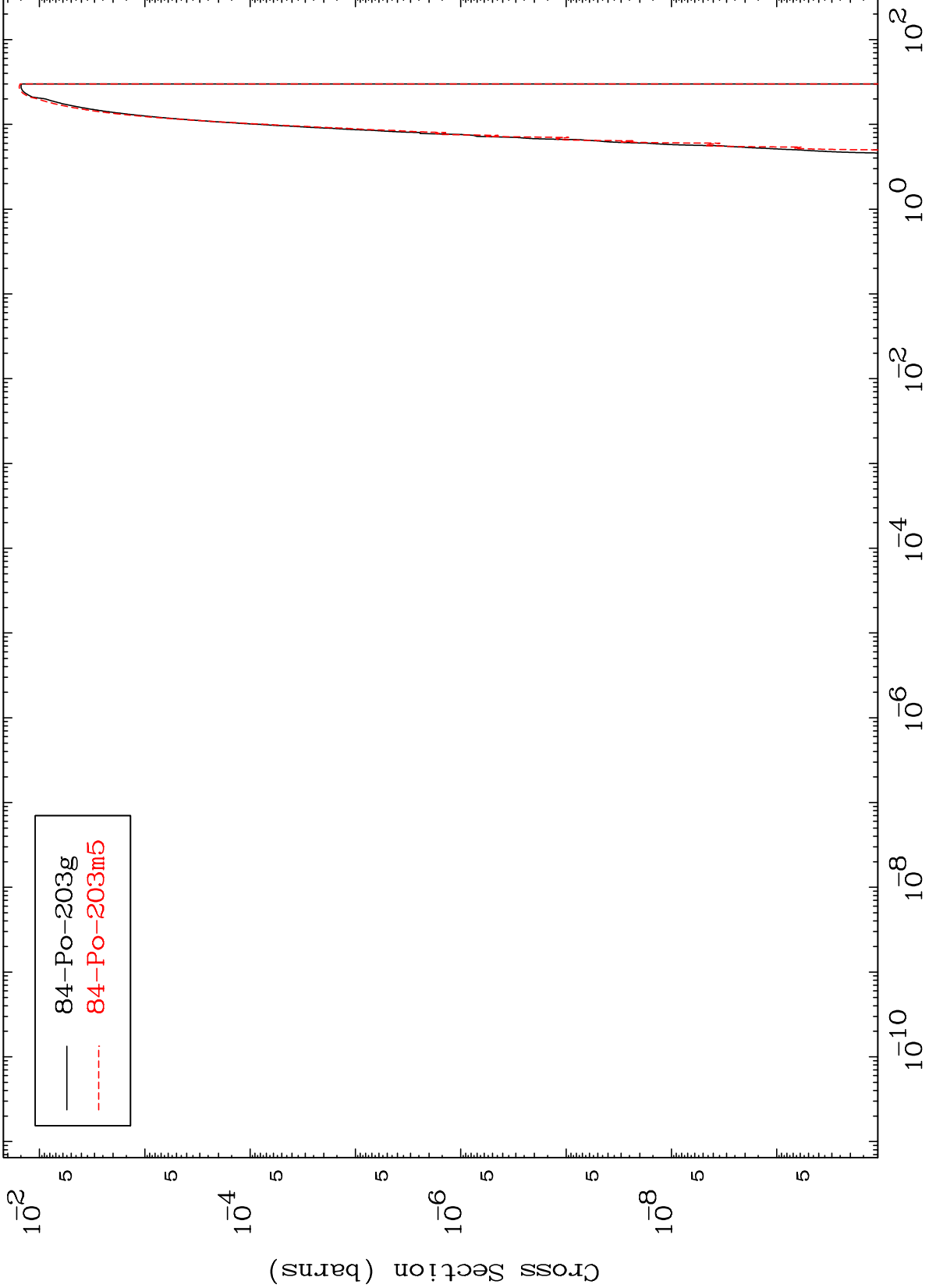
85-At-204

MAT 8528

(n,d)

85-At-204

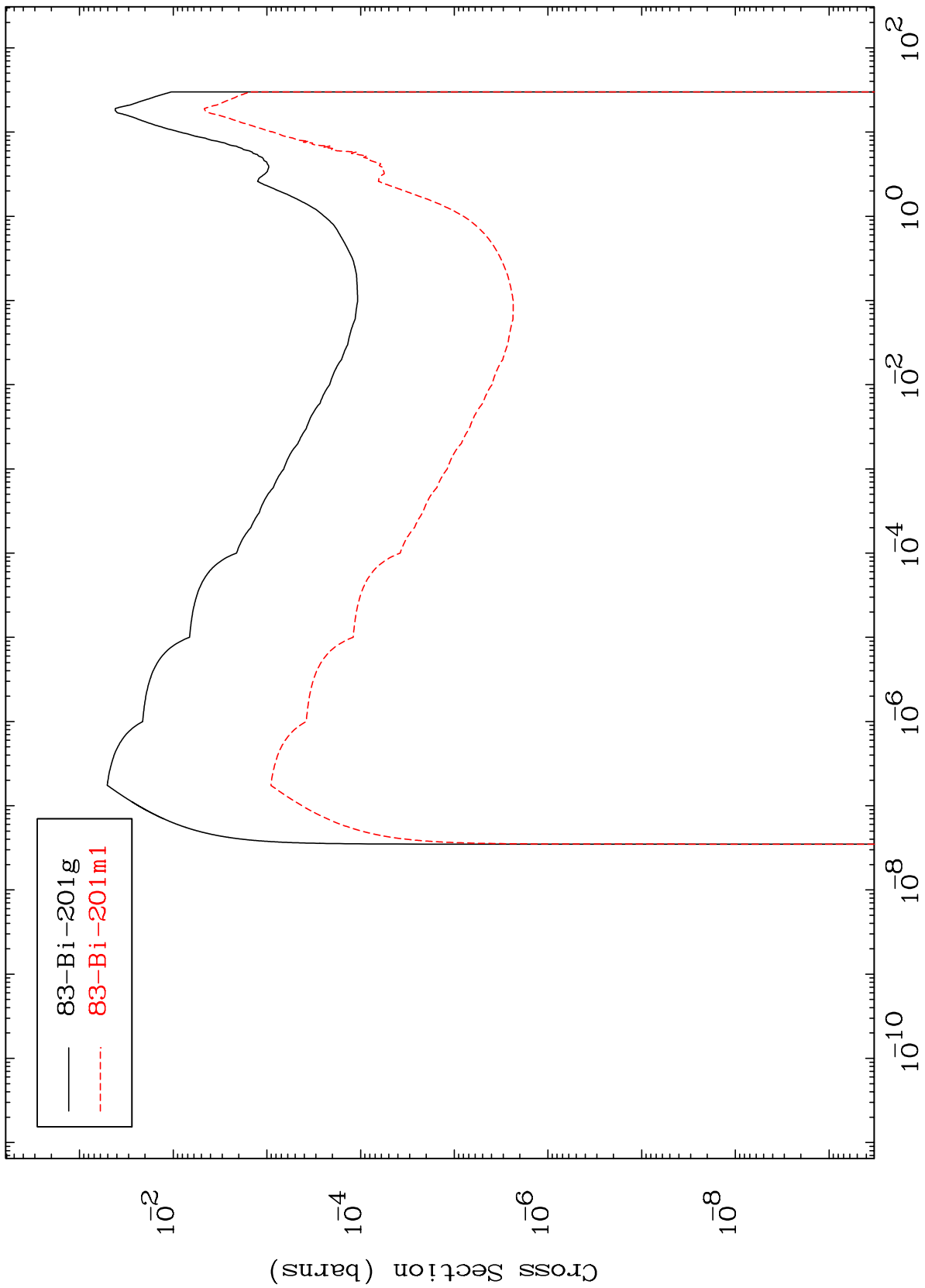
Radionuclide Production Cross Section



MAT 8528

85-At-204

Radionuclide Production Cross Section  
(n,  $\alpha$ )



48

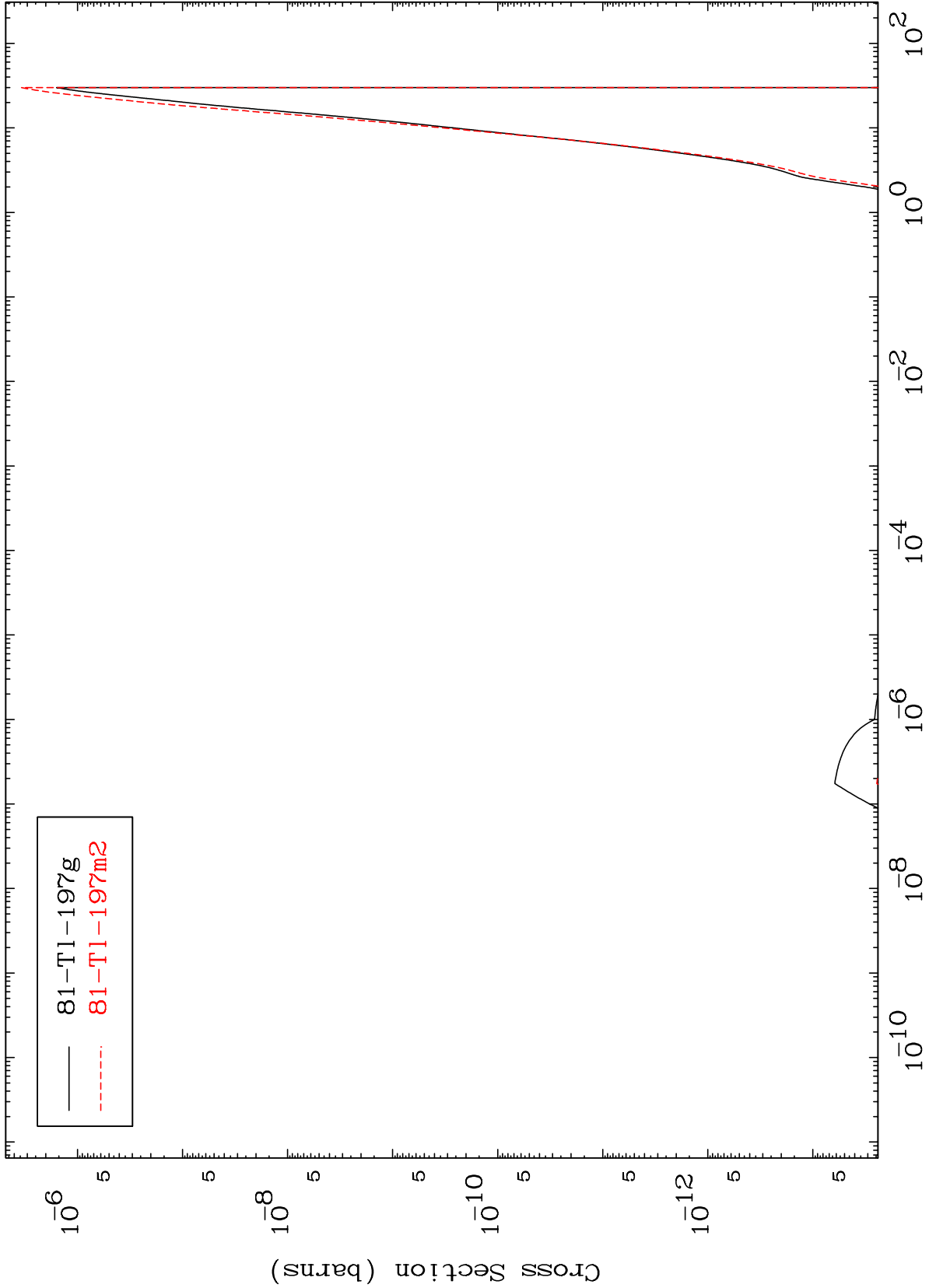
85-At-204

MAT 8528

(n,2α)

85-At-204

Radionuclide Production Cross Section

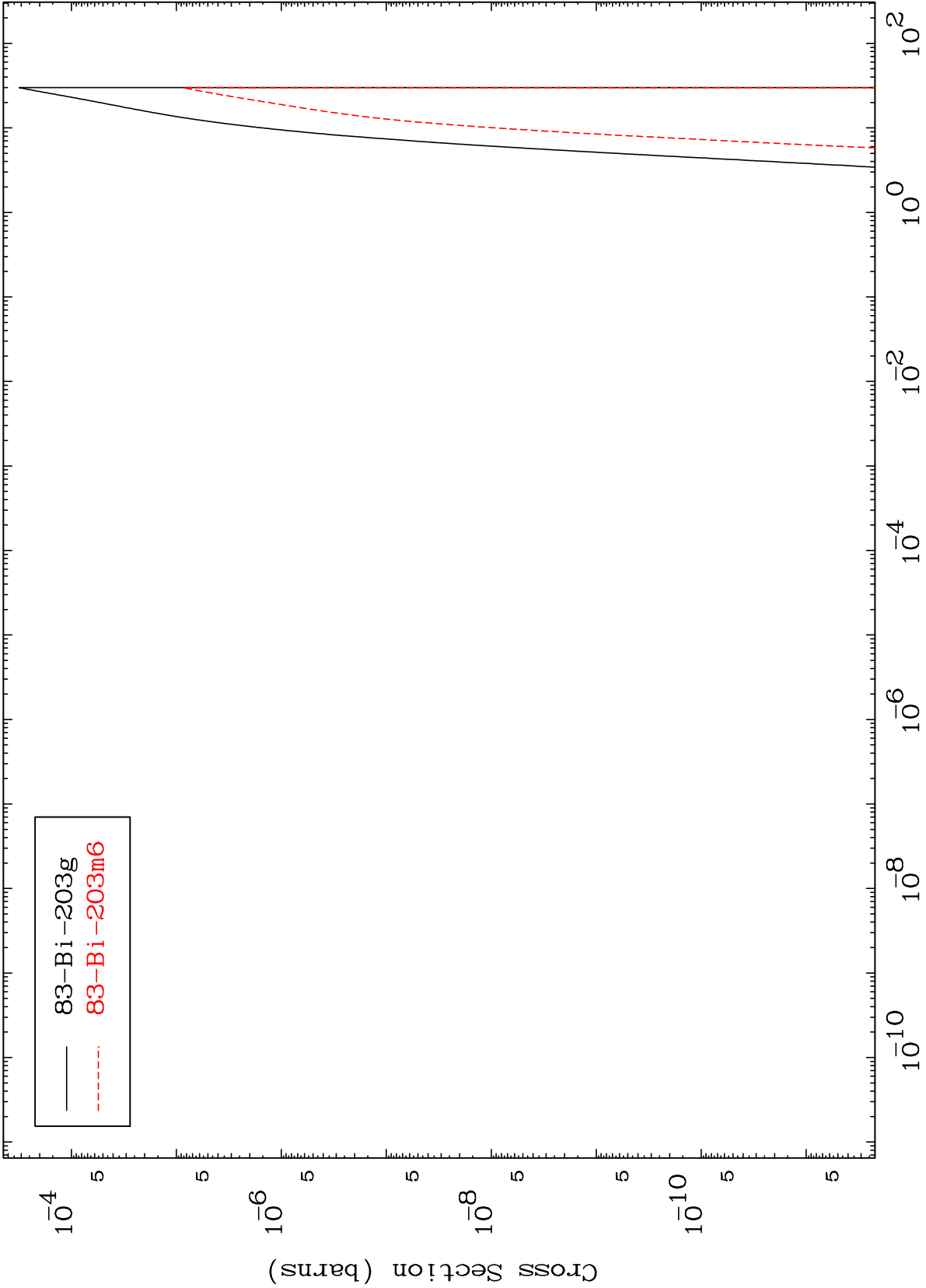
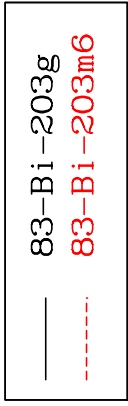


MAT 8528

(n,2p)

85-At-204

Radionuclide Production Cross Section

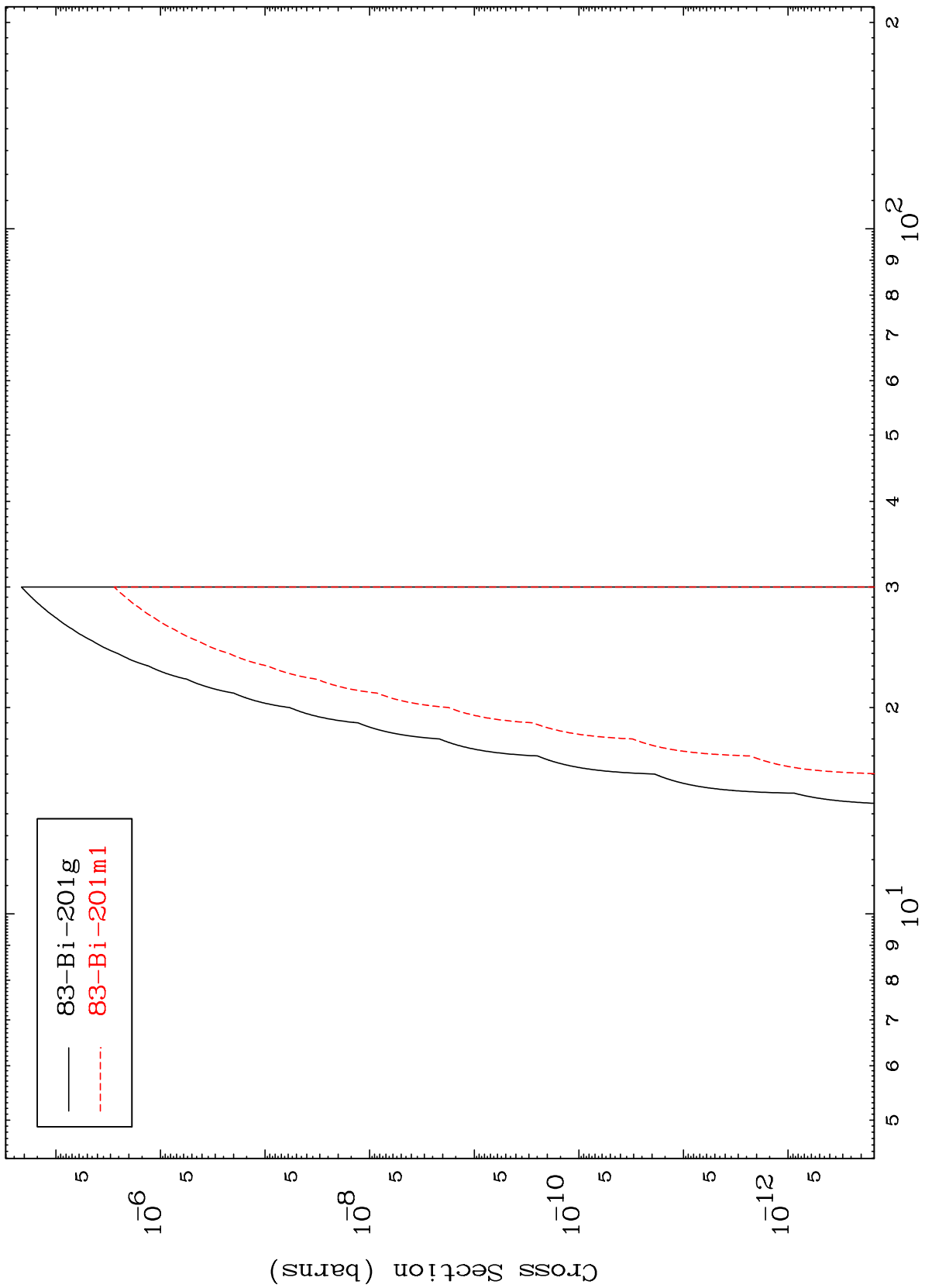


50

Incident Energy (MeV)

85-At-204

Radionuclide Production Cross Section



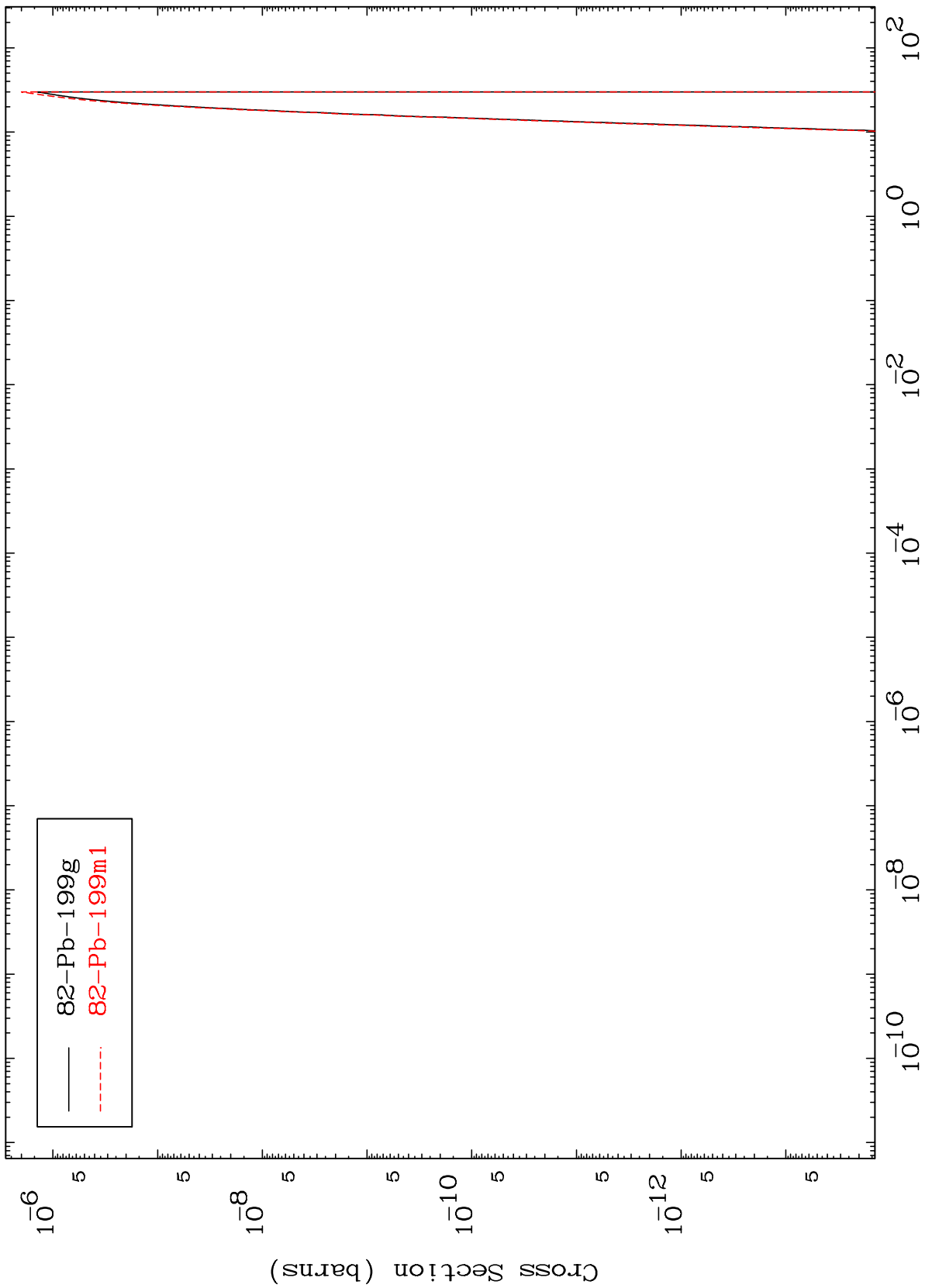
83-Bi-201g  
83-Bi-201m1

MAT 8528

(n,d)  $\alpha$

85-At-204

Radionuclide Production Cross Section



82-Pb-199g  
82-Pb-199m1