

Program EVALPLOT  
(Version 2021-1)

by

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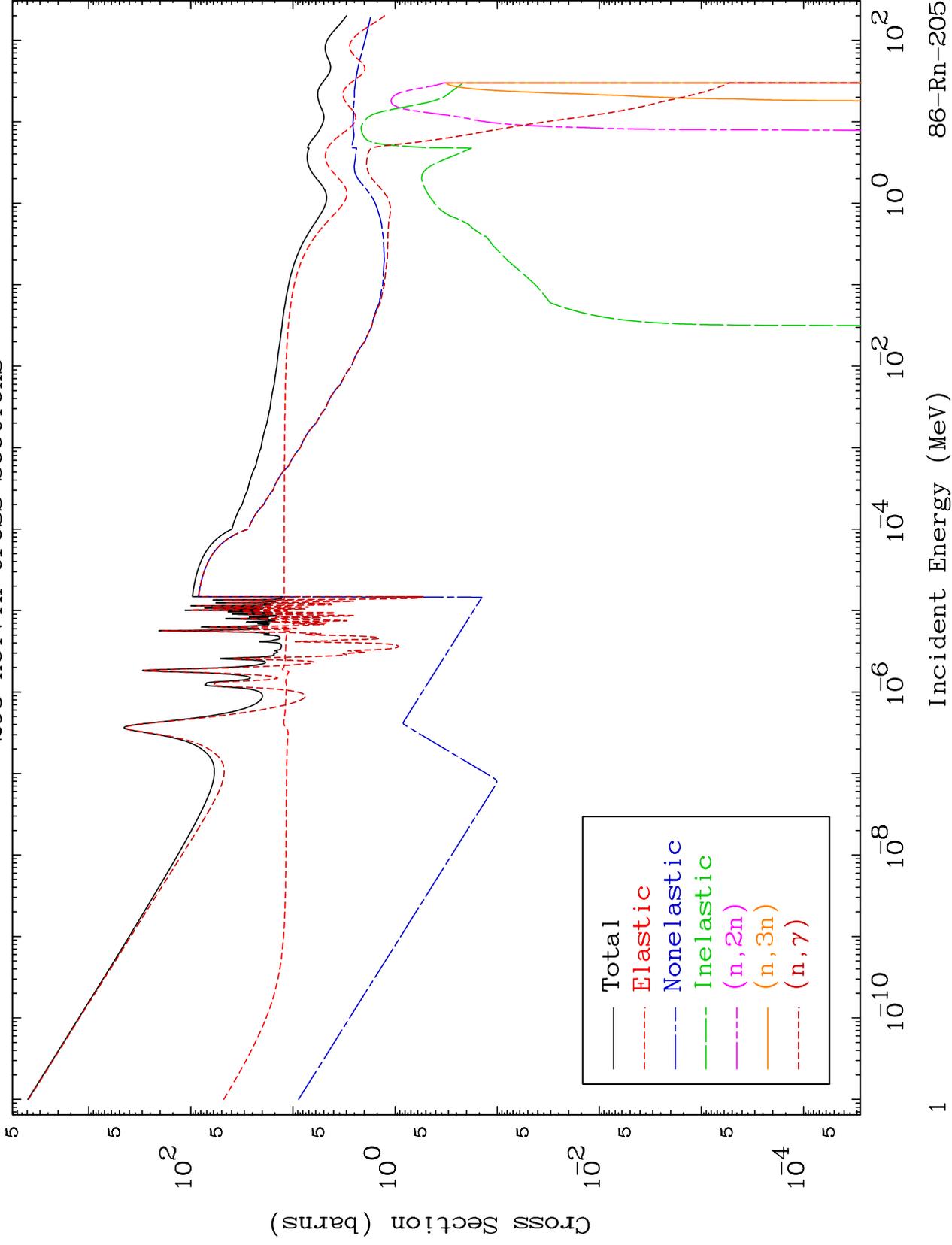
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Press Mouse Button to Start

MAT 8607

Neutron Major  
293 Kelvin Cross Sections

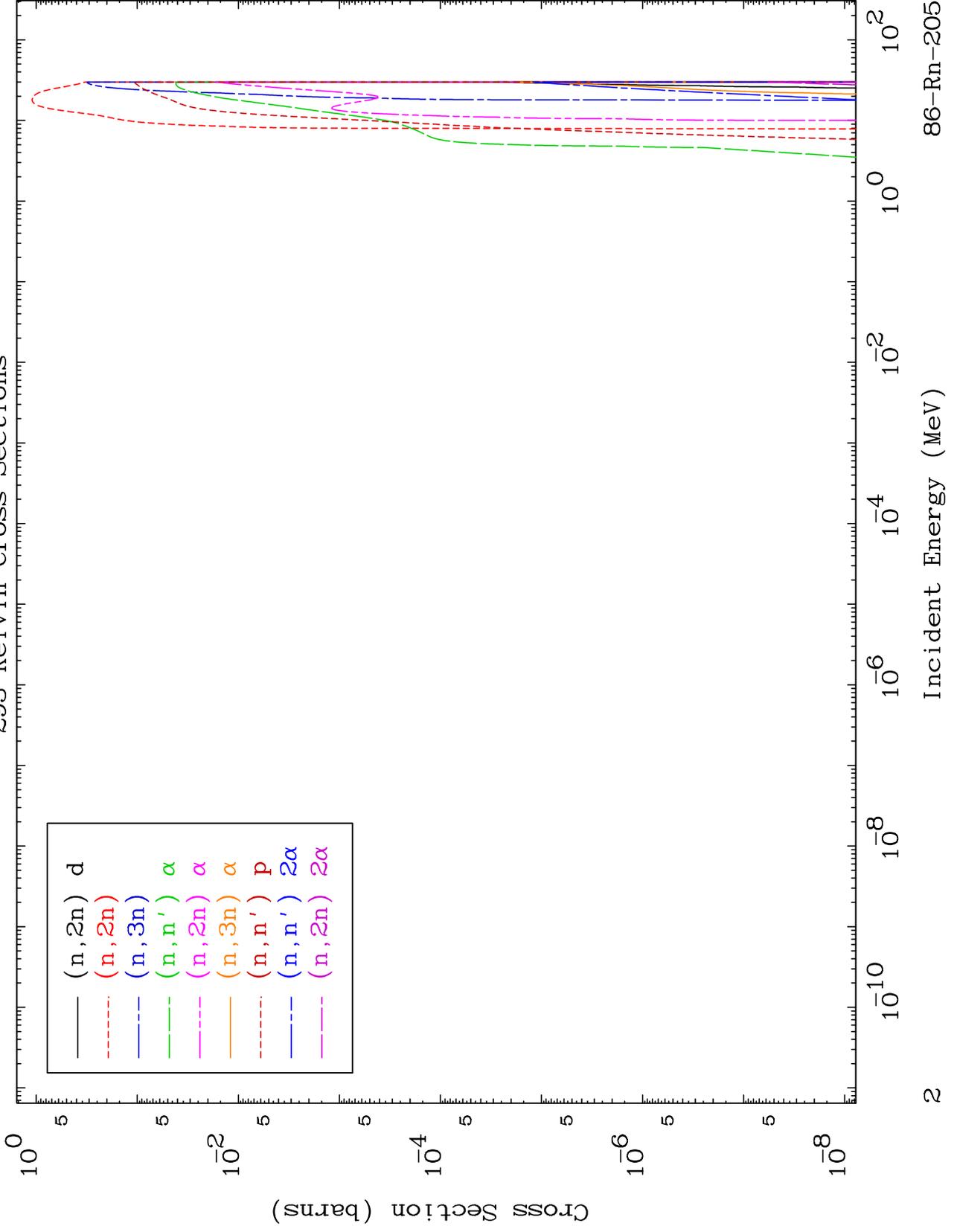
86-Rn-205



MAT 8607

Neutron Absorption  
293 Kelvin Cross Sections

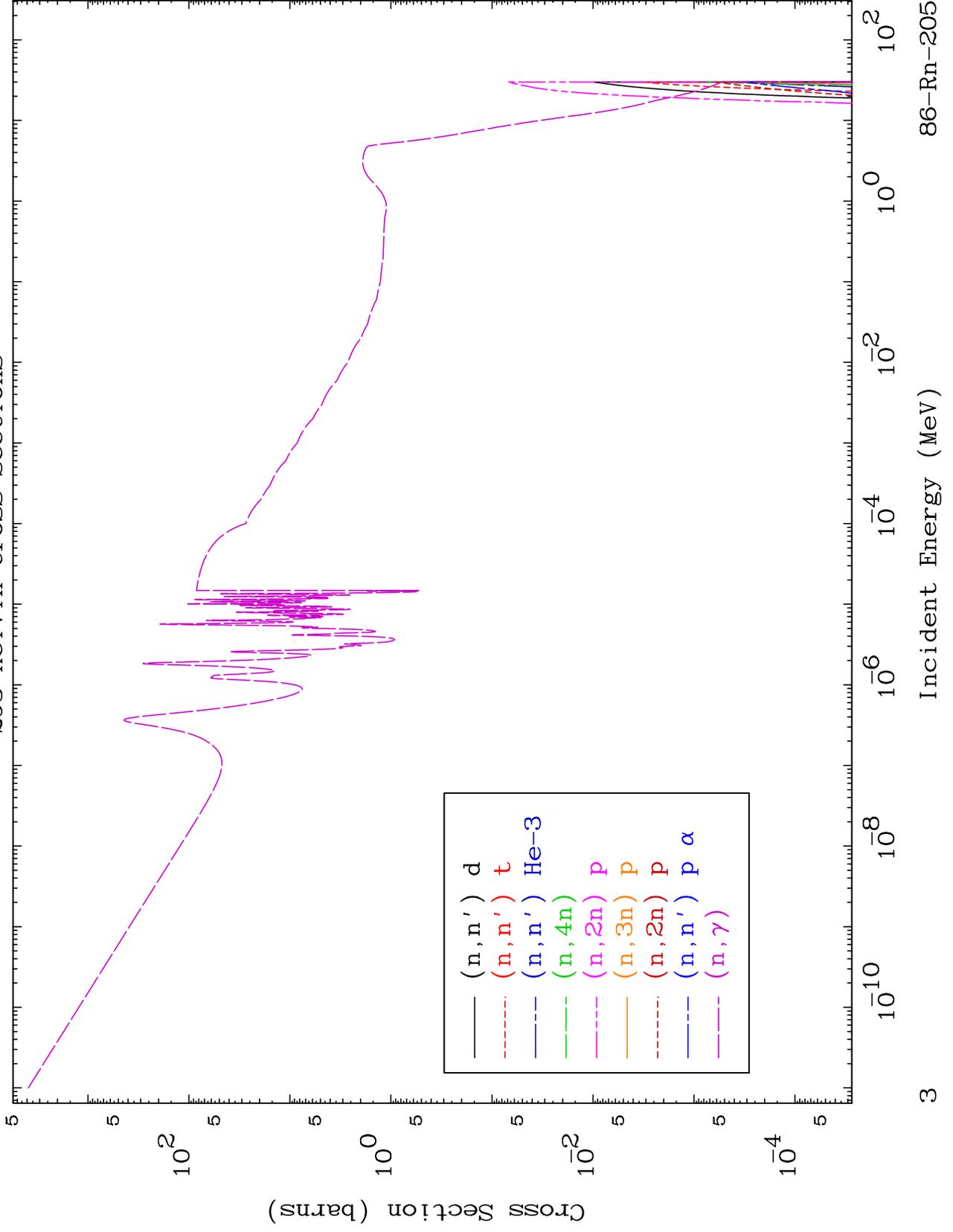
86-Rn-205



MAT 8607

Neutron Absorption  
293 Kelvin Cross Sections

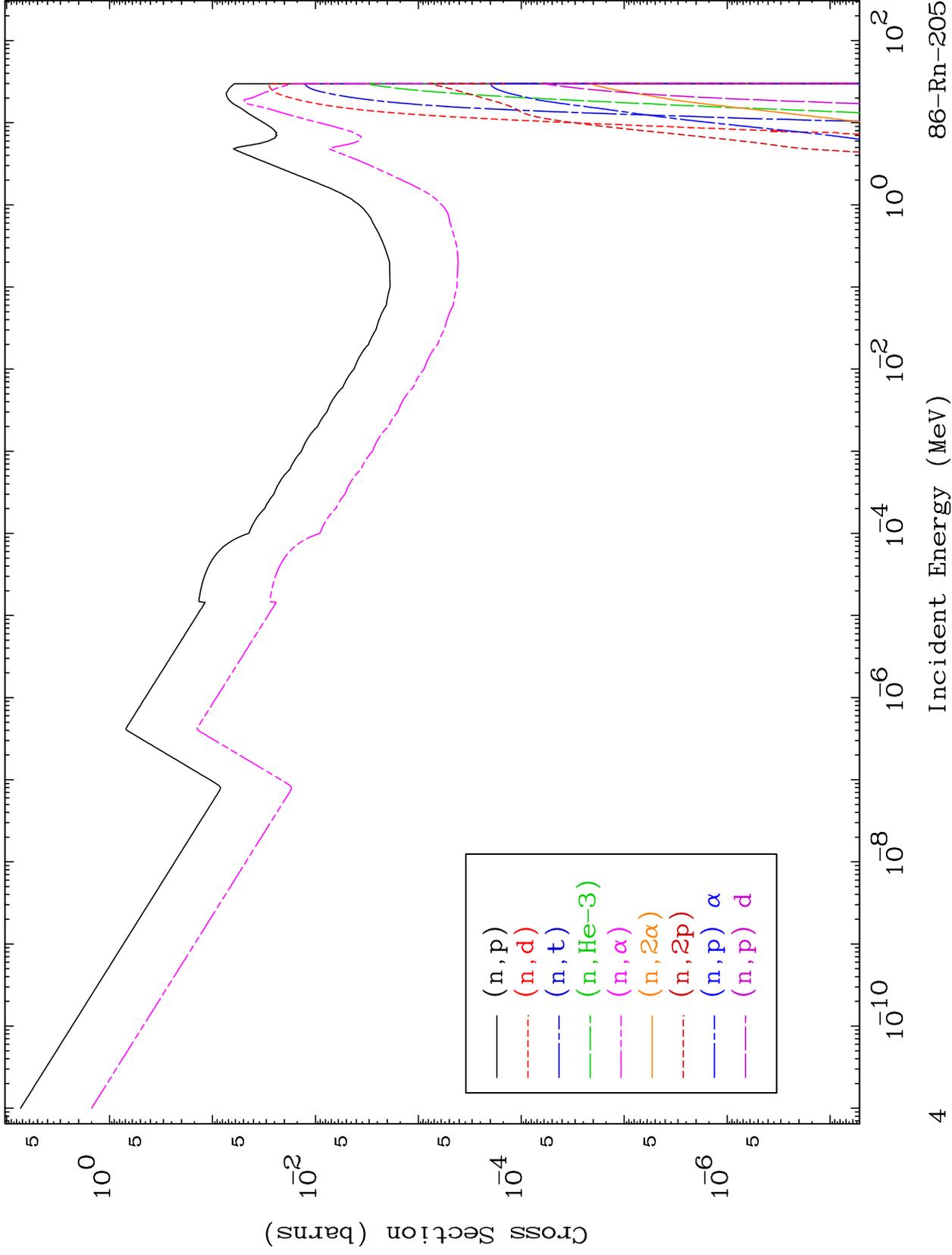
86-Rn-205



MAT 8607

Neutron Absorption  
293 Kelvin Cross Sections

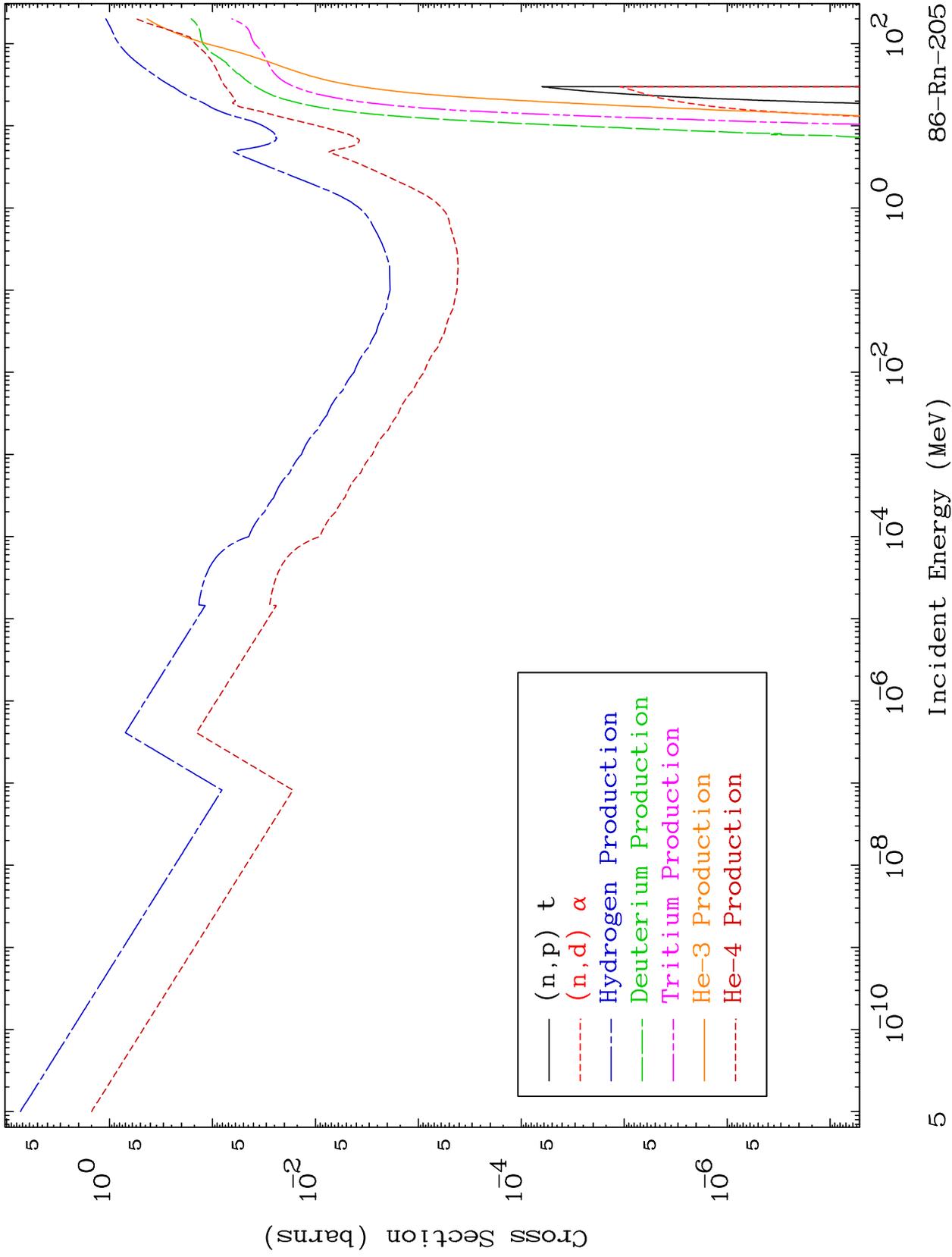
86-Rn-205



MAT 8607

Neutron Absorption  
293 Kelvin Cross Sections

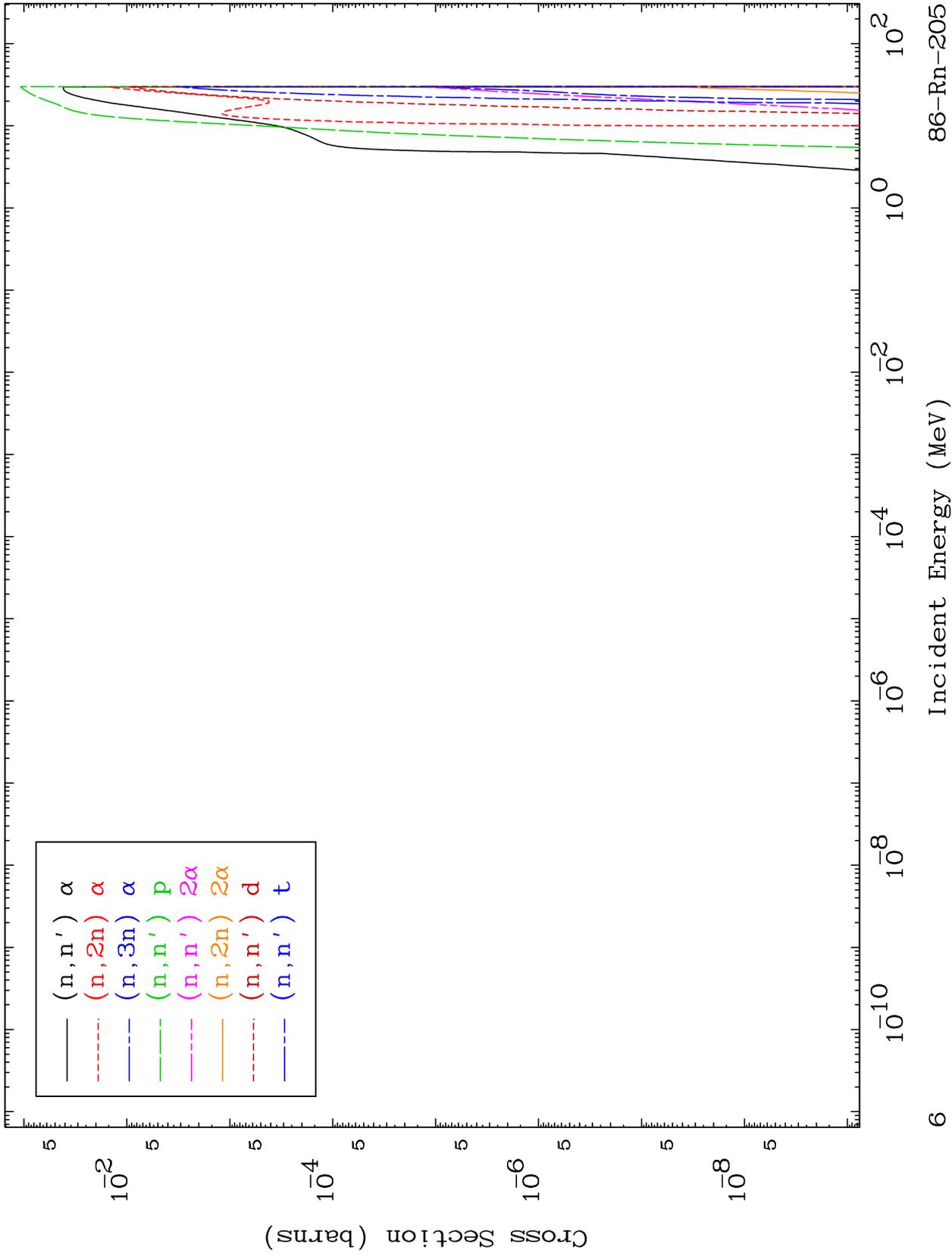
86-Rn-205



MAT 8607

Charged Particle  
293 Kelvin Cross Sections

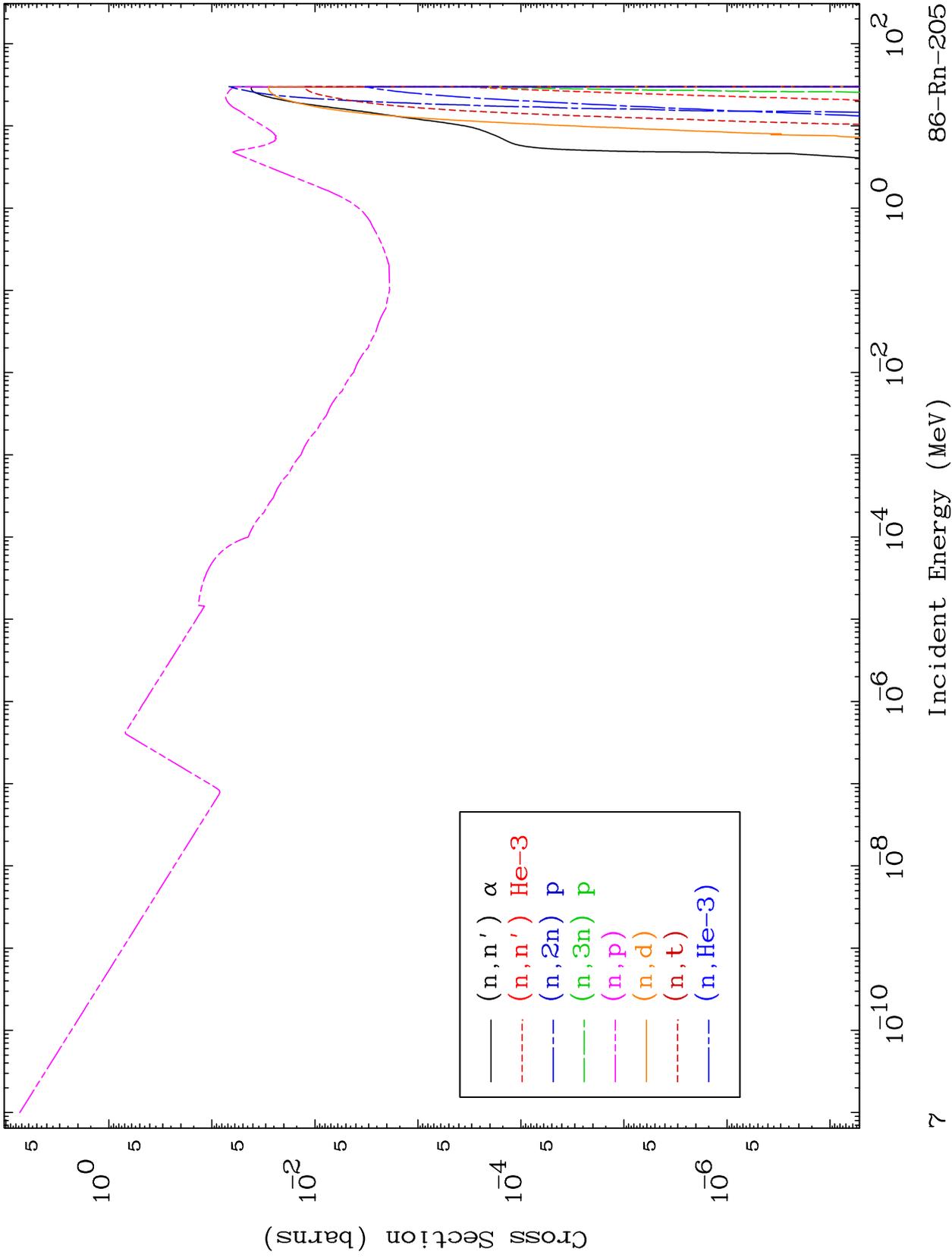
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MAT 8607

Charged Particle  
293 Kelvin Cross Sections

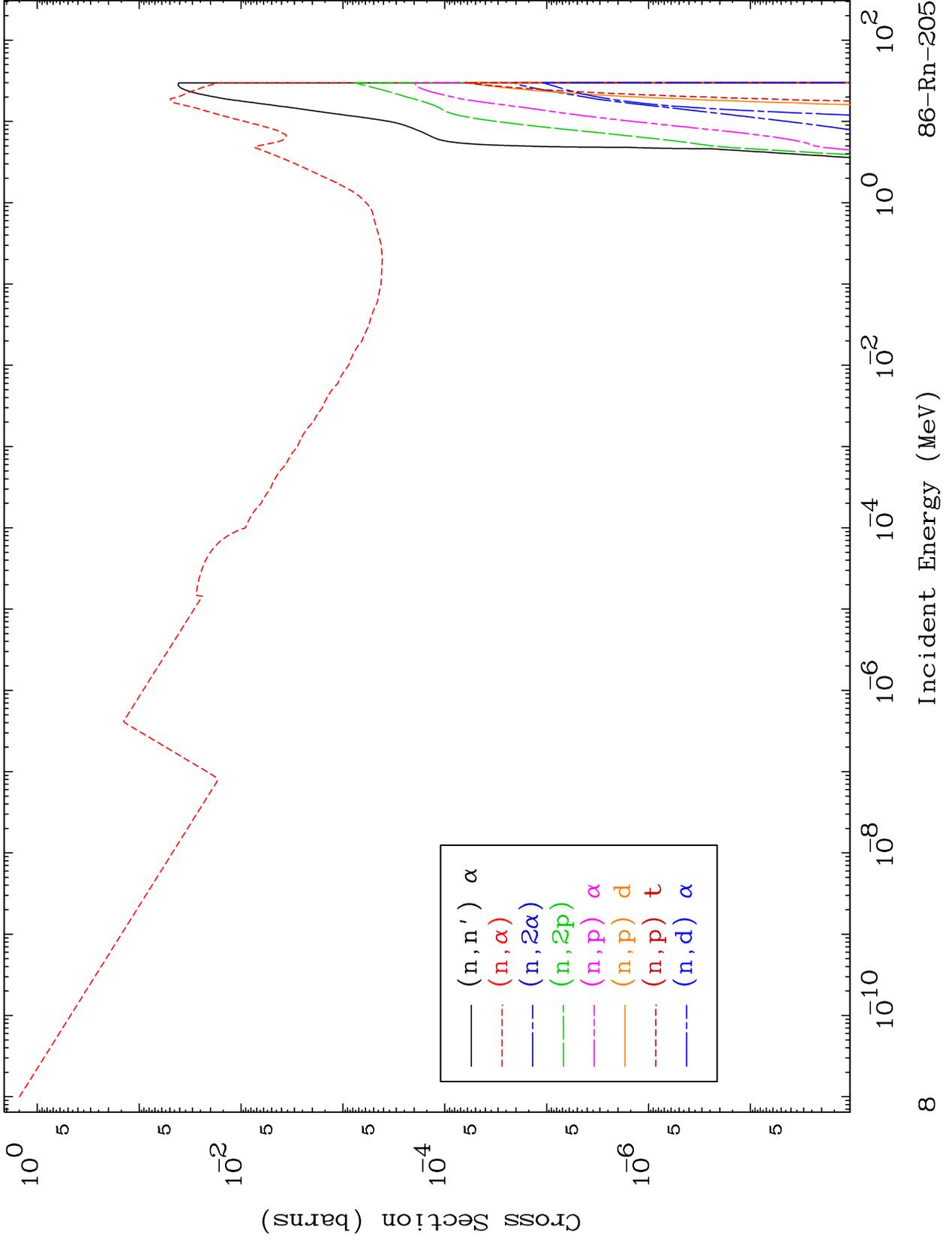
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MAT 8607

Charged Particle  
293 Kelvin Cross Sections

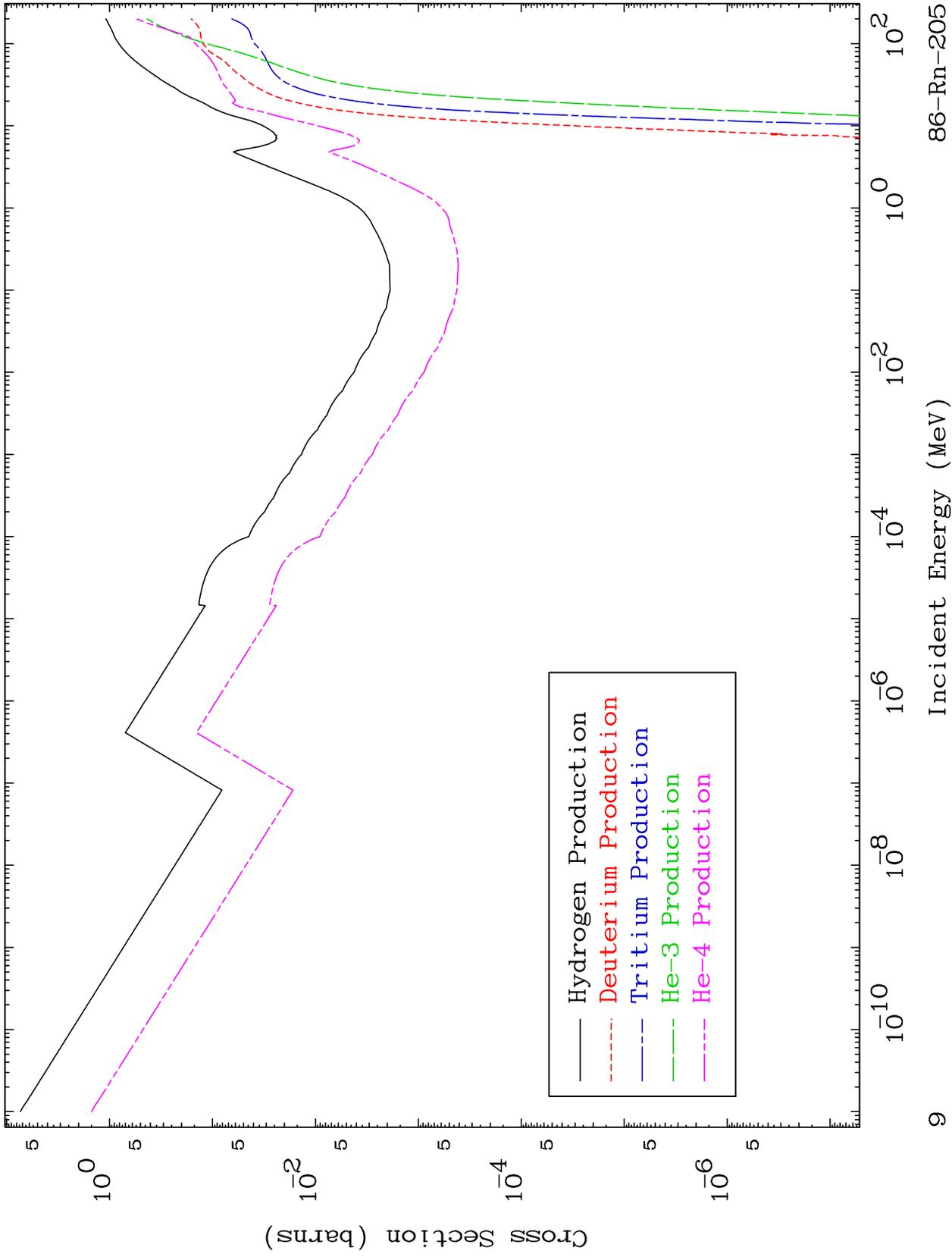
86-Rn-205



MAT 8607

Particle Production  
293 Kelvin Cross Sections

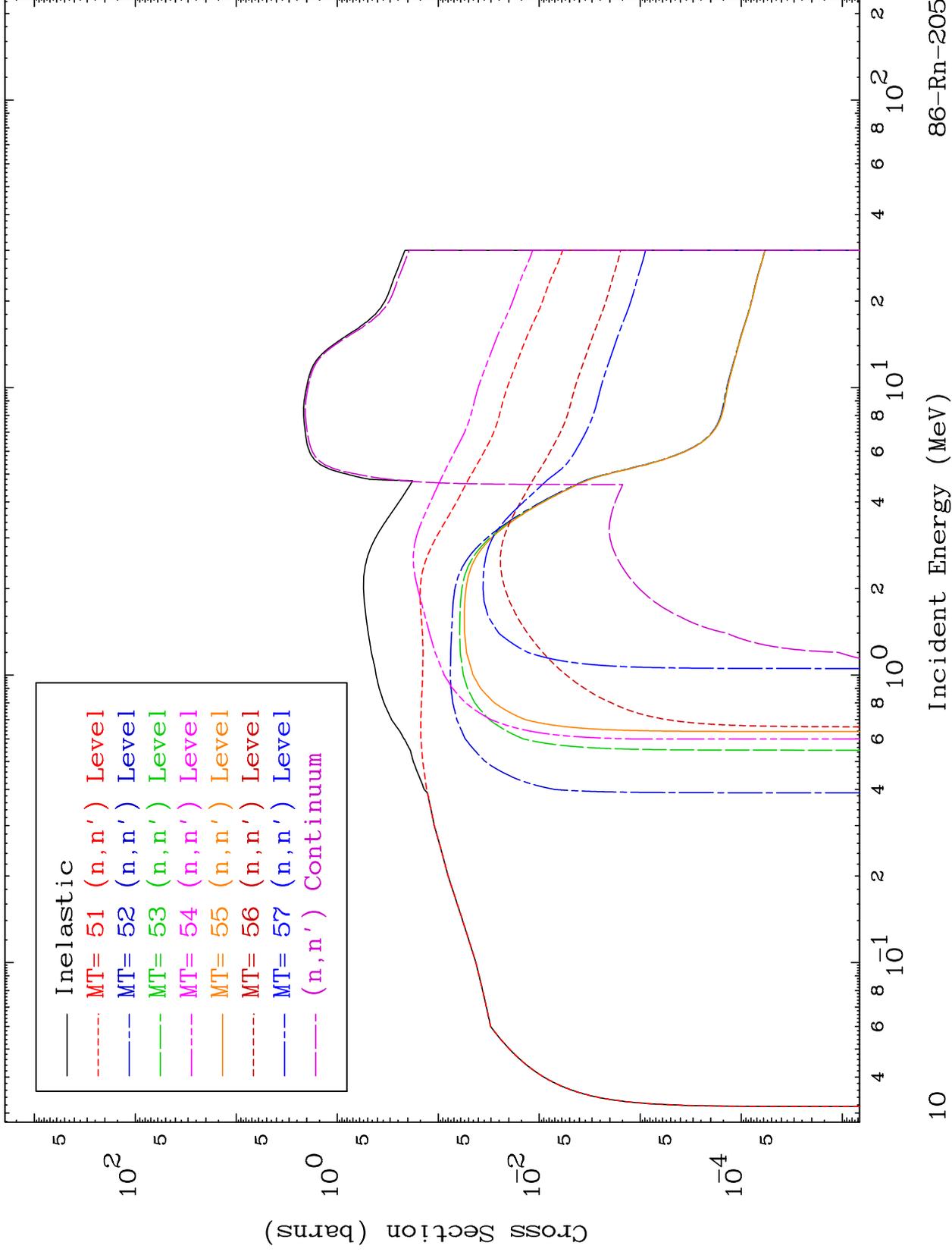
86-Rn-205



MAT 8607

(n,n') Levels  
293 Kelvin Cross Sections

86-Rn-205



10

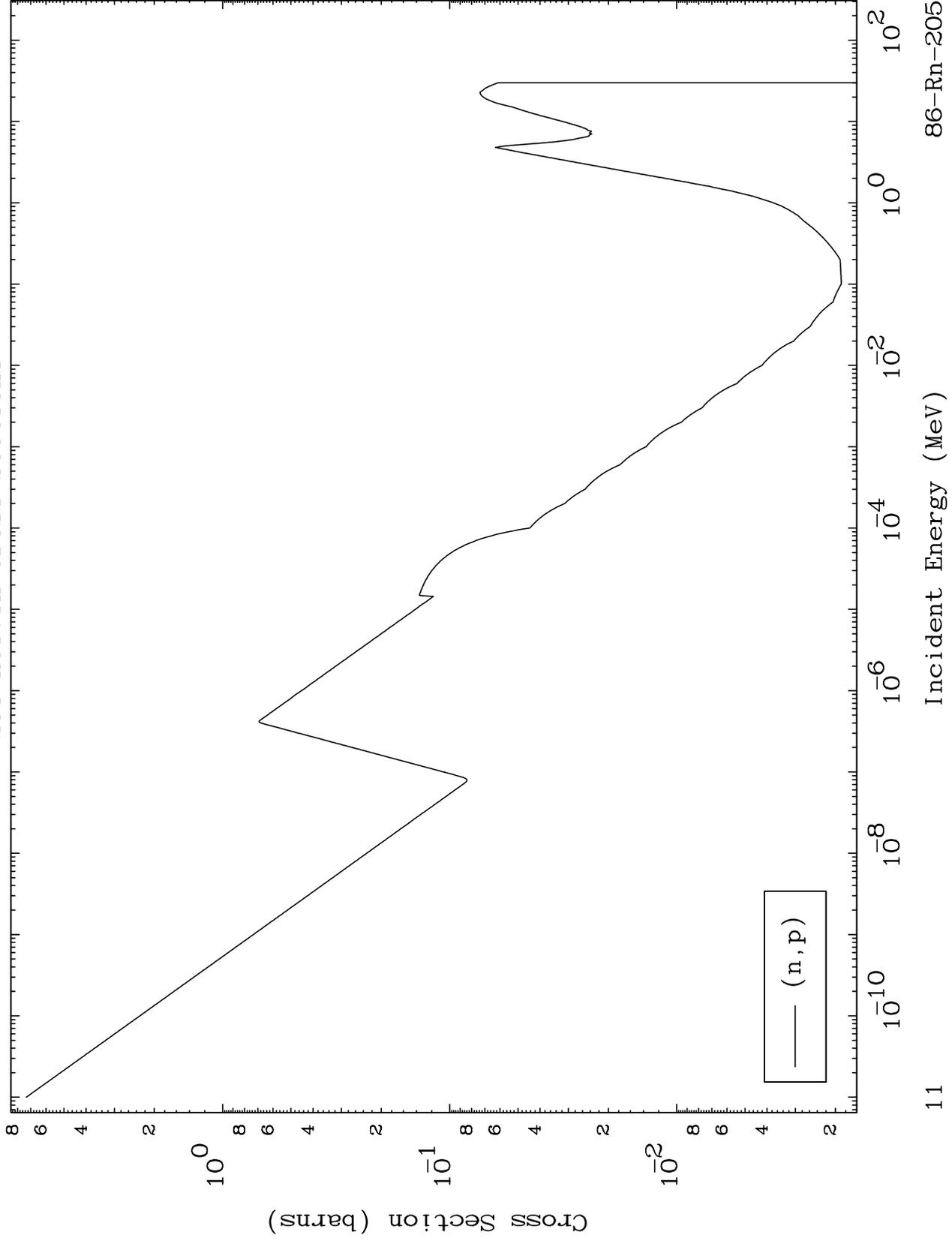
Incident Energy (MeV)

86-Rn-205

MAT 8607

(n,p) Levels  
293 Kelvin Cross Sections

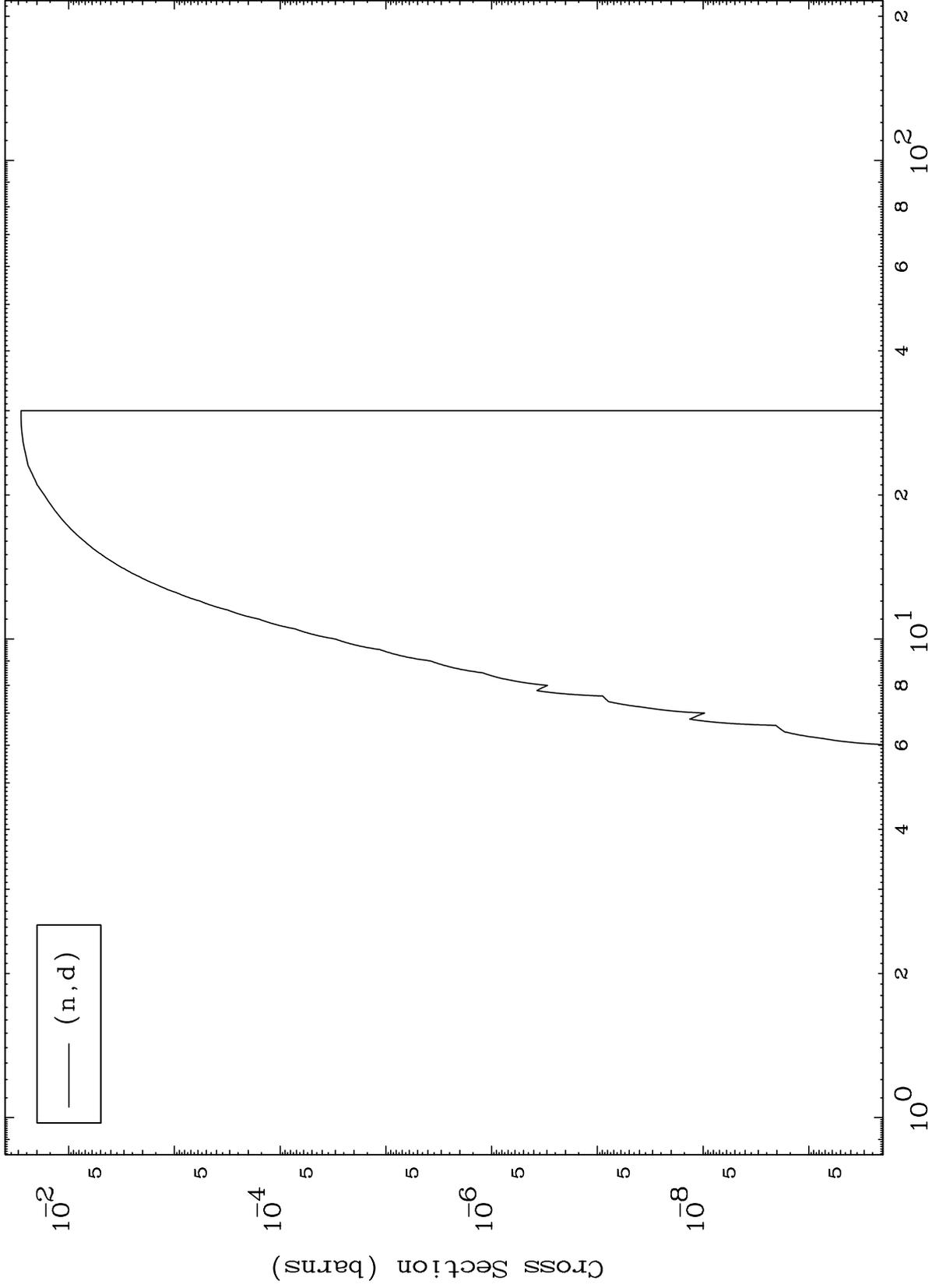
86-Rn-205



MAT 8607

(n,d) Levels  
293 Kelvin Cross Sections

86-Rn-205



12

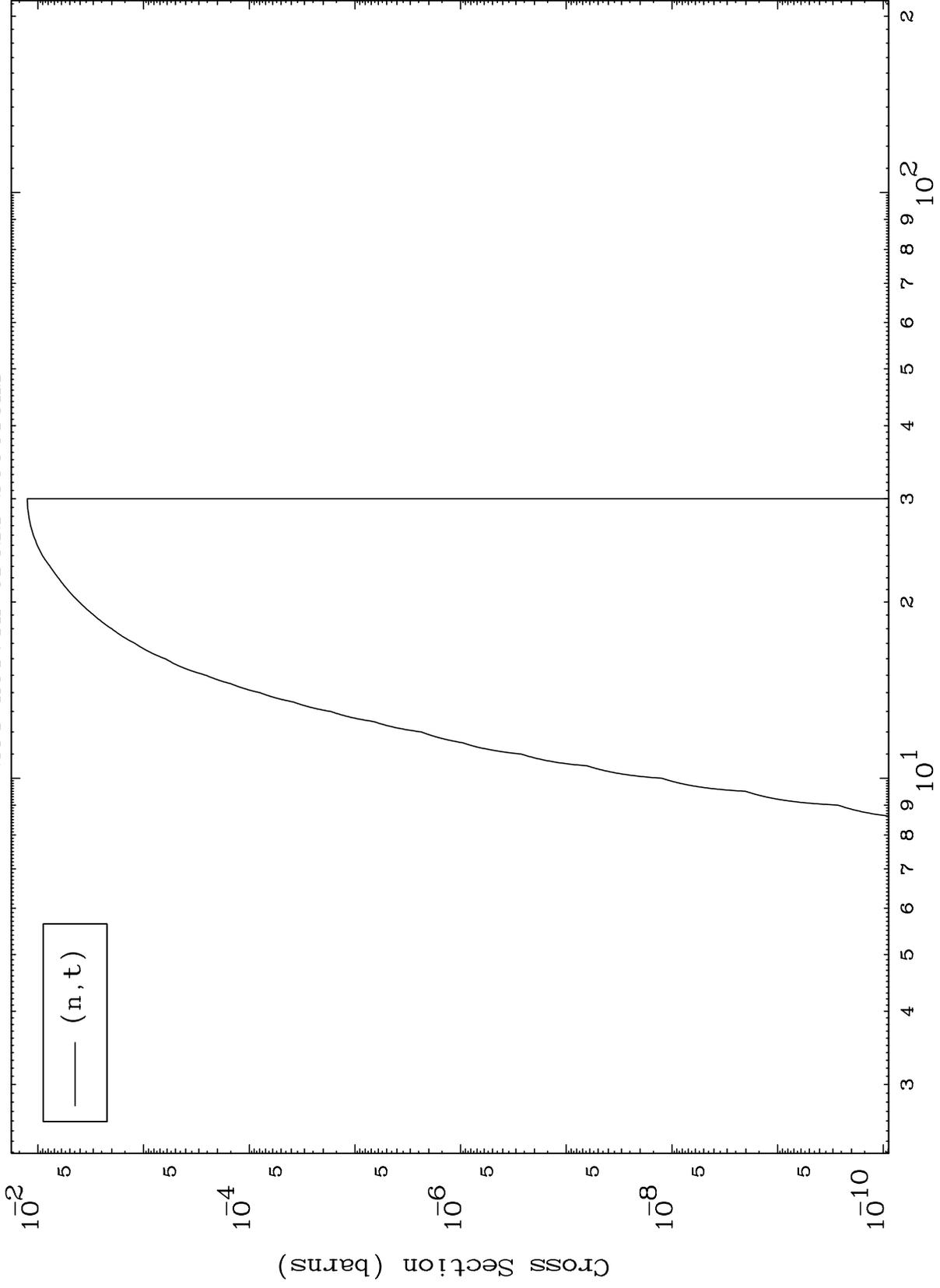
Incident Energy (MeV)

86-Rn-205

MAT 8607

(n,t) Levels  
293 Kelvin Cross Sections

86-Rn-205



13

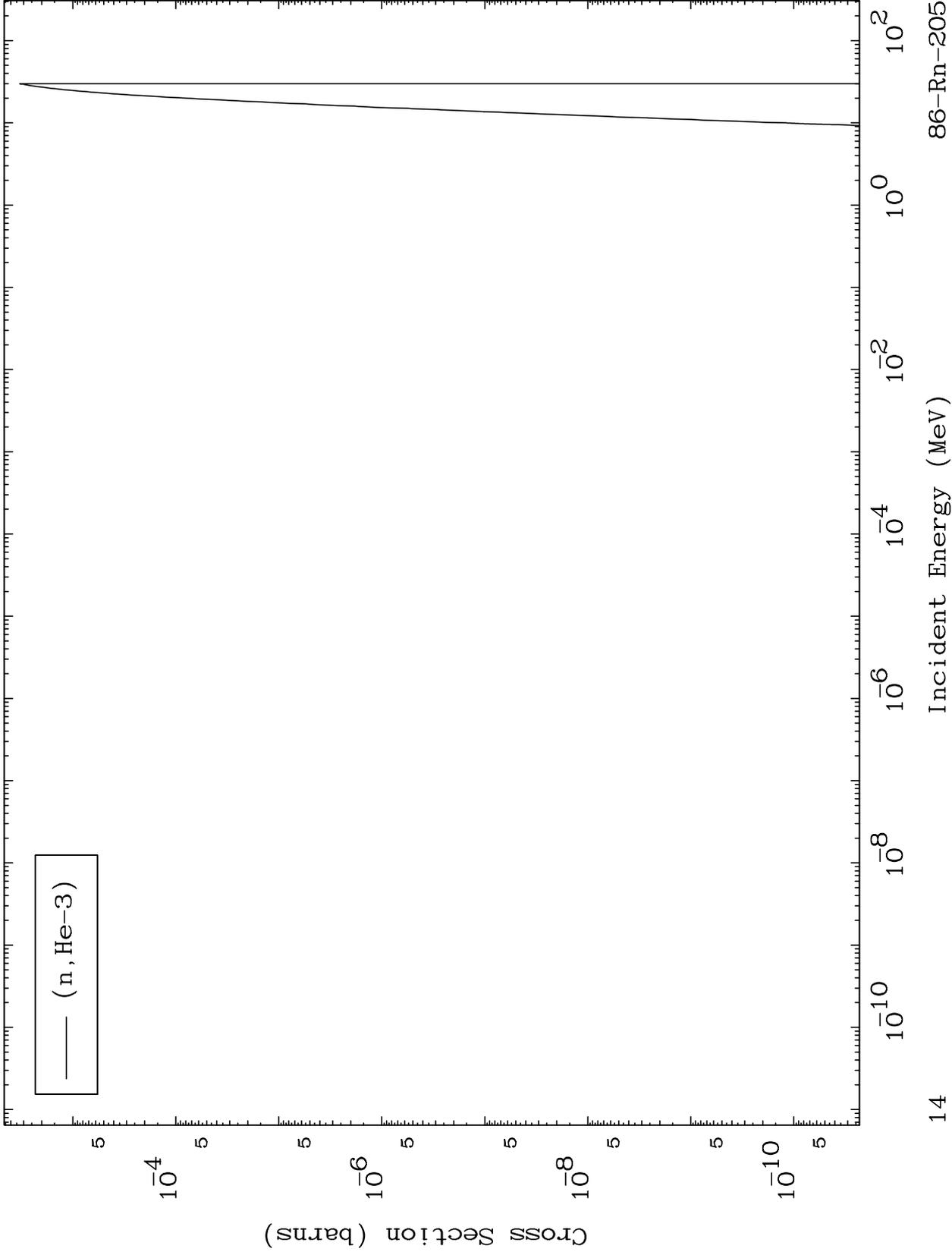
Incident Energy (MeV)

86-Rn-205

MAT 8607

(n,He3) Levels  
293 Kelvin Cross Sections

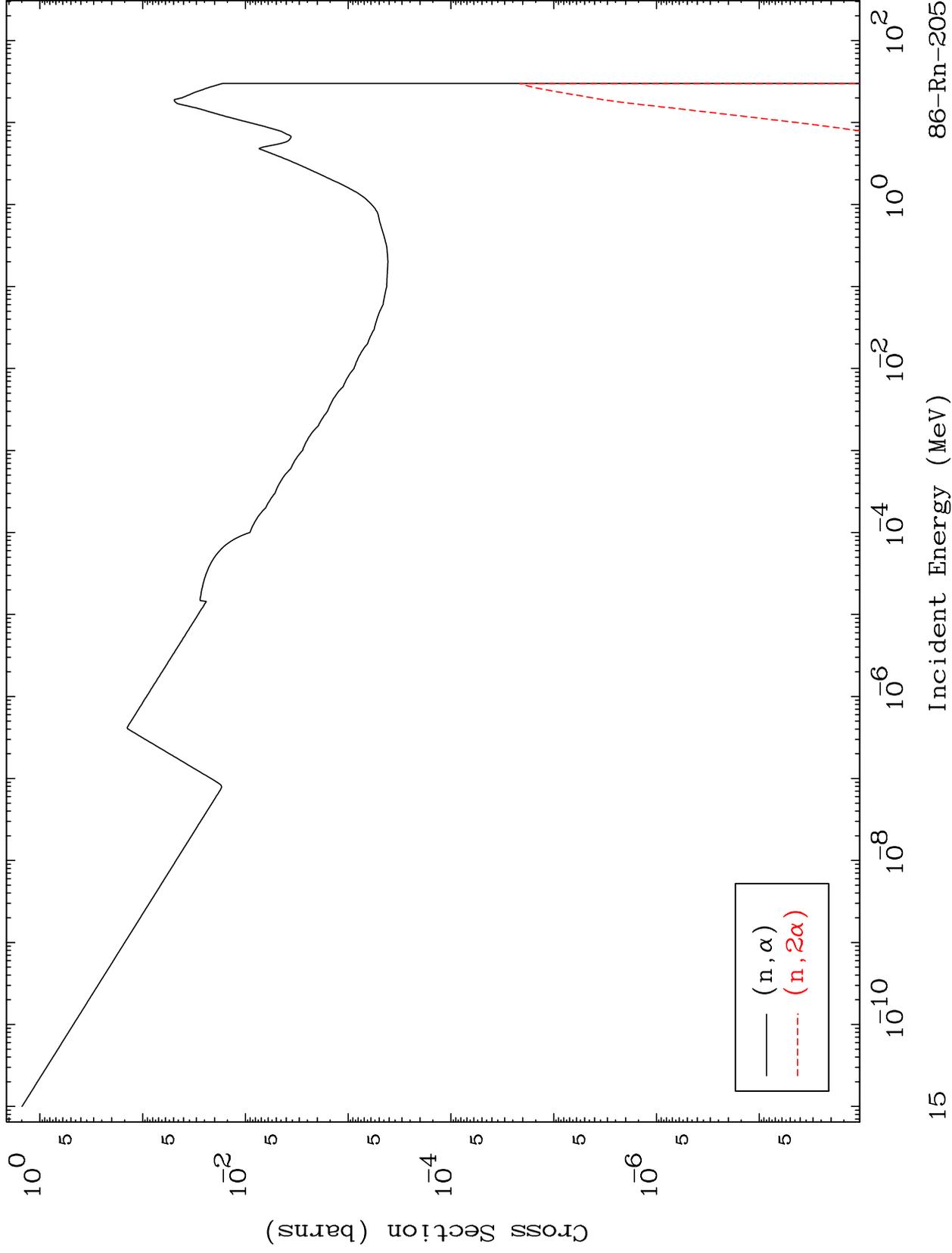
86-Rn-205



MAT 8607

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

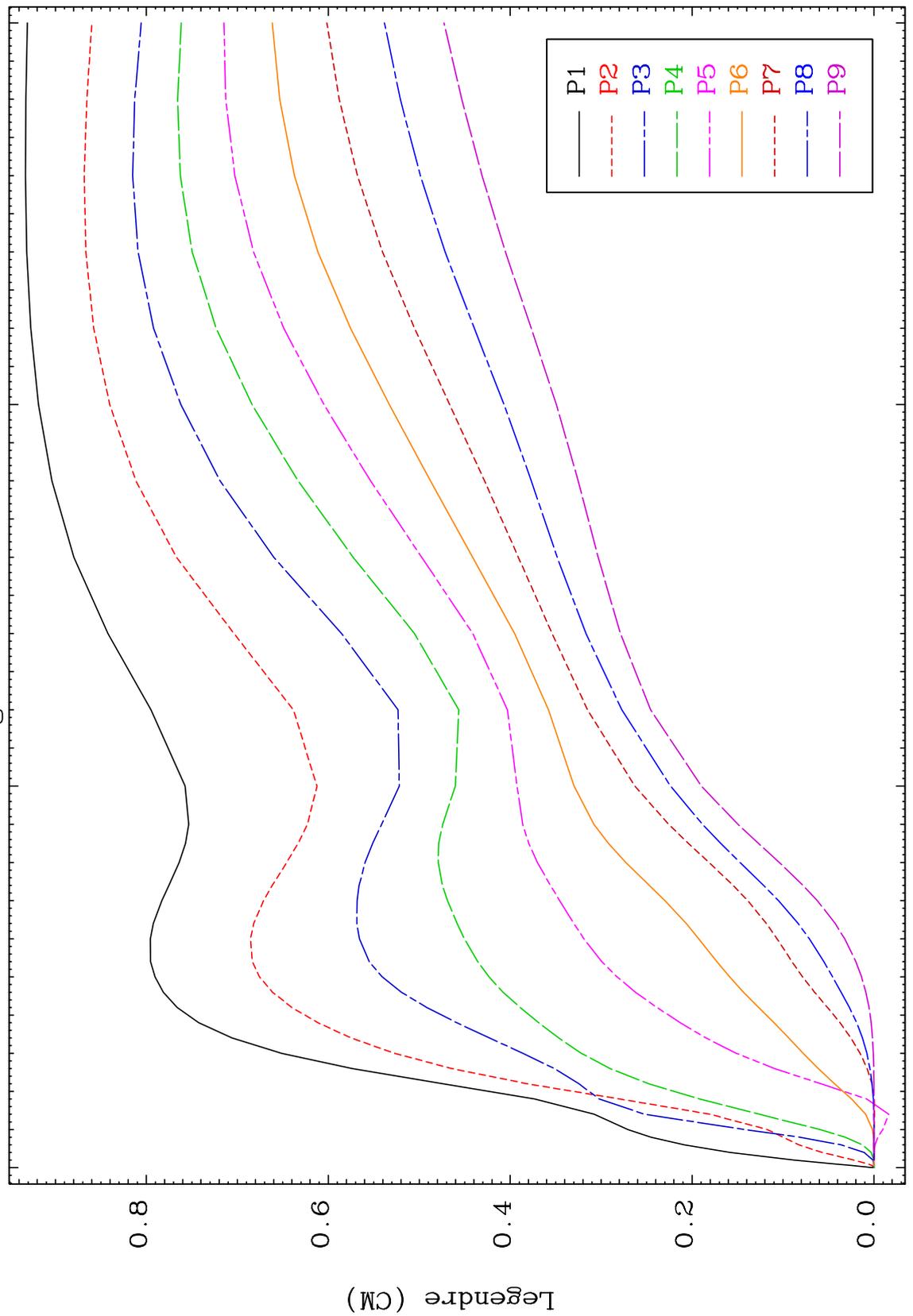
86-Rn-205



MAT 8607

86-Rn-205

Elastic Legendre Coefficients



86-Rn-205

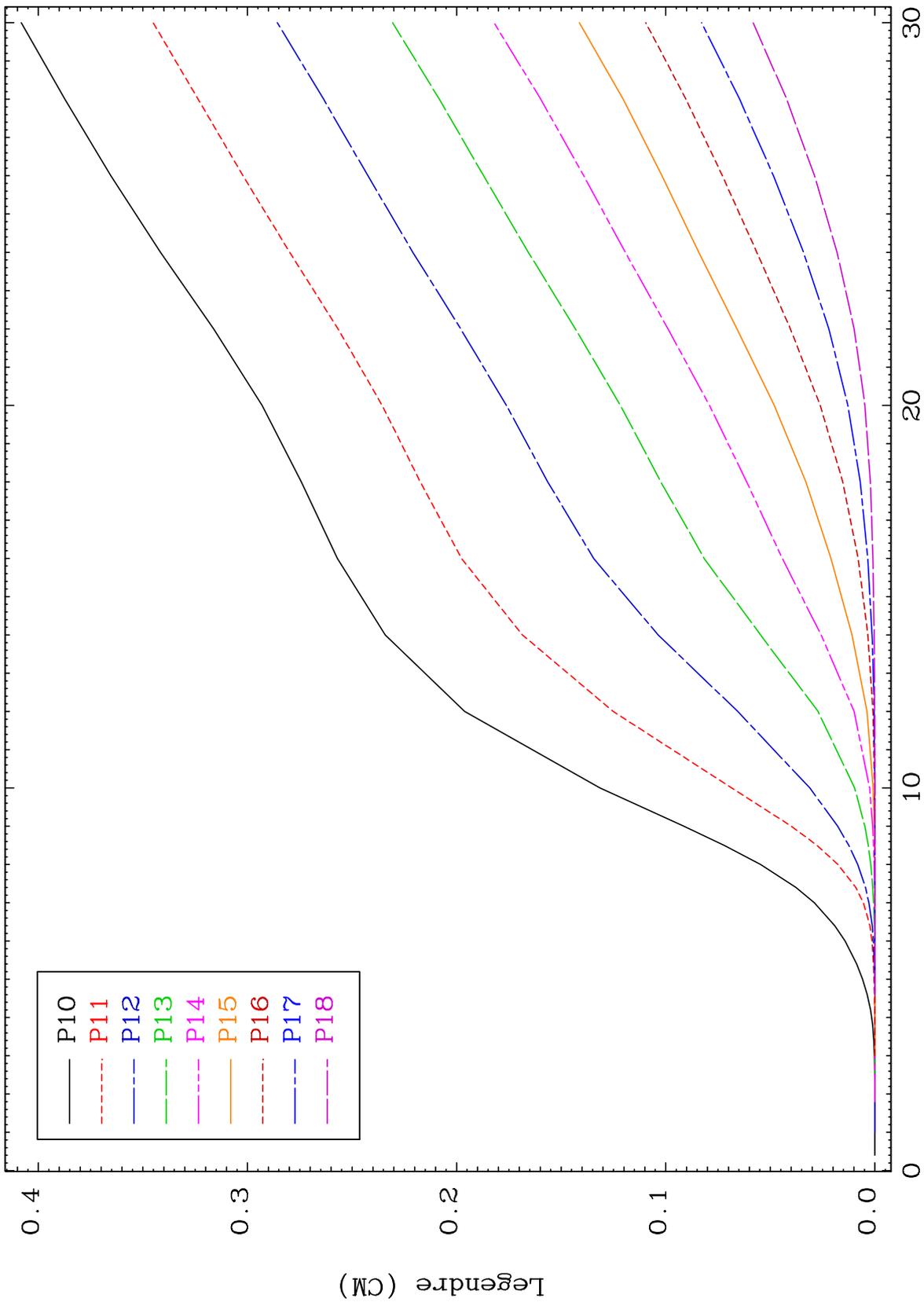
Incident Energy (MeV)

16

MAT 8607

Elastic Legendre Coefficients

86-Rn-205



17

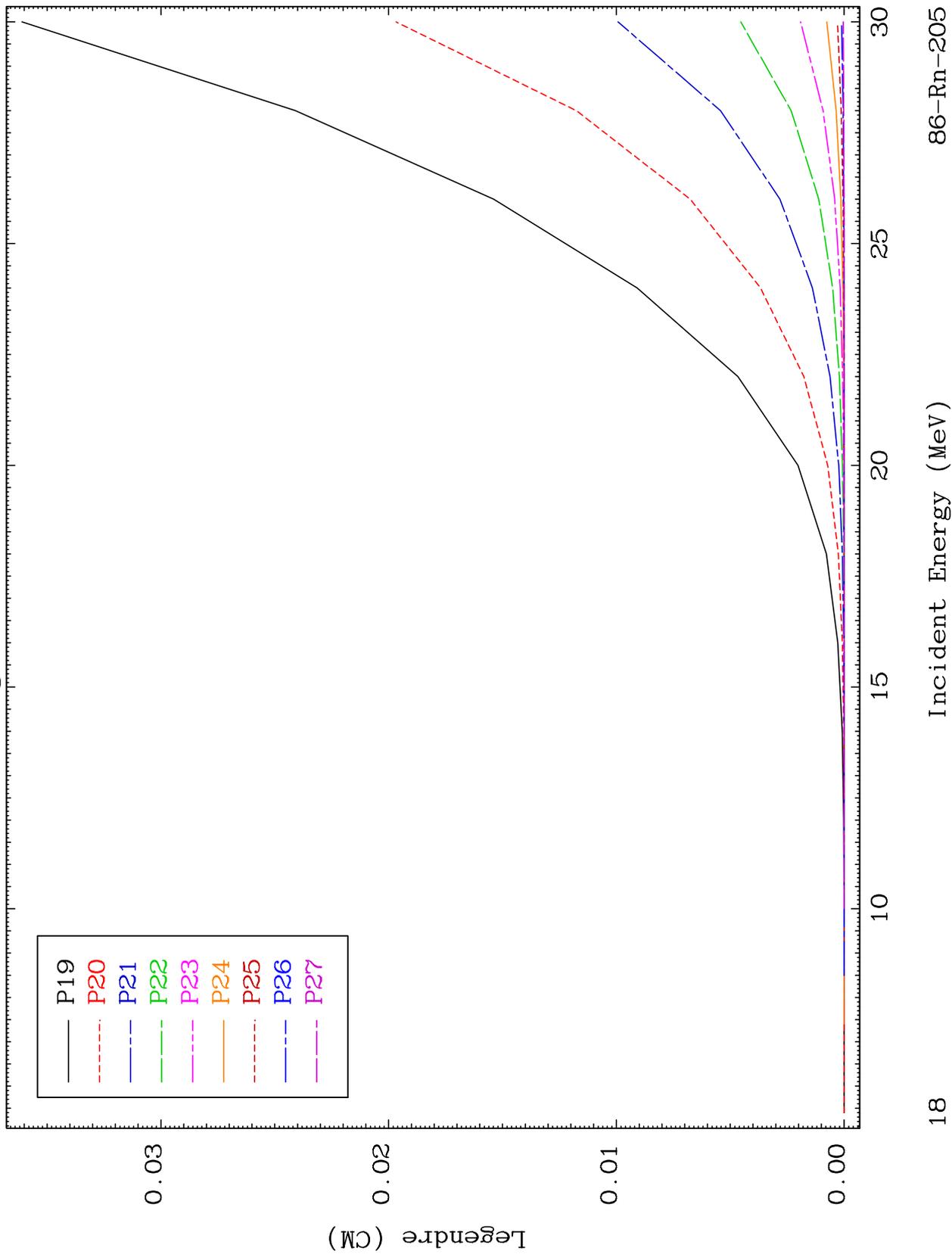
Incident Energy (MeV)

86-Rn-205

MAT 8607

### Elastic Legendre Coefficients

86-Rn-205



18

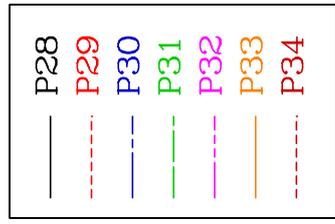
Incident Energy (MeV)

86-Rn-205

MAT 8607

Elastic Legendre Coefficients

86-Rn-205



$\times 10^{-5}$

1.2

Legendre (CM)

0.8

0.4

0.0

15

20

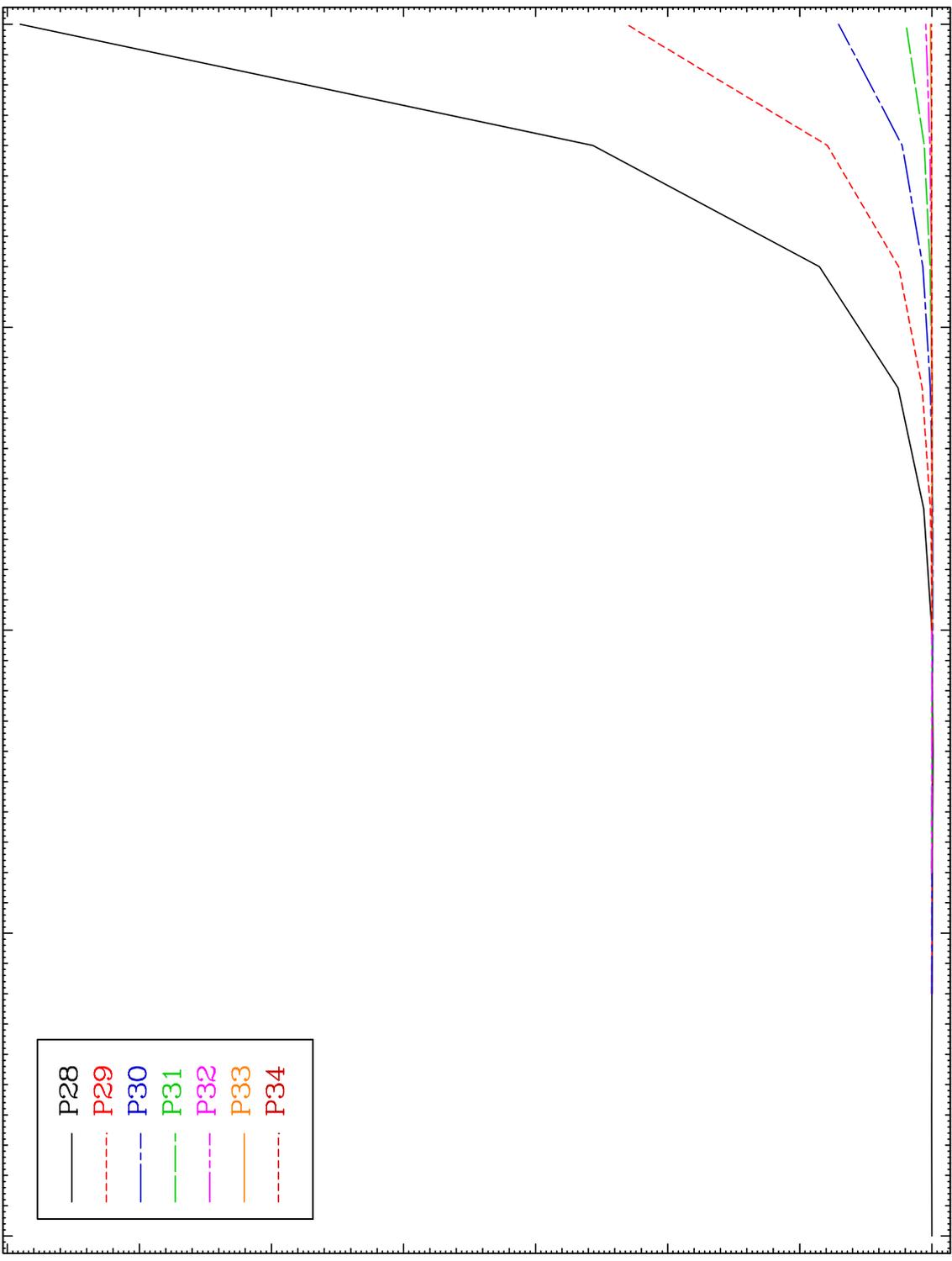
25

30

19

Incident Energy (MeV)

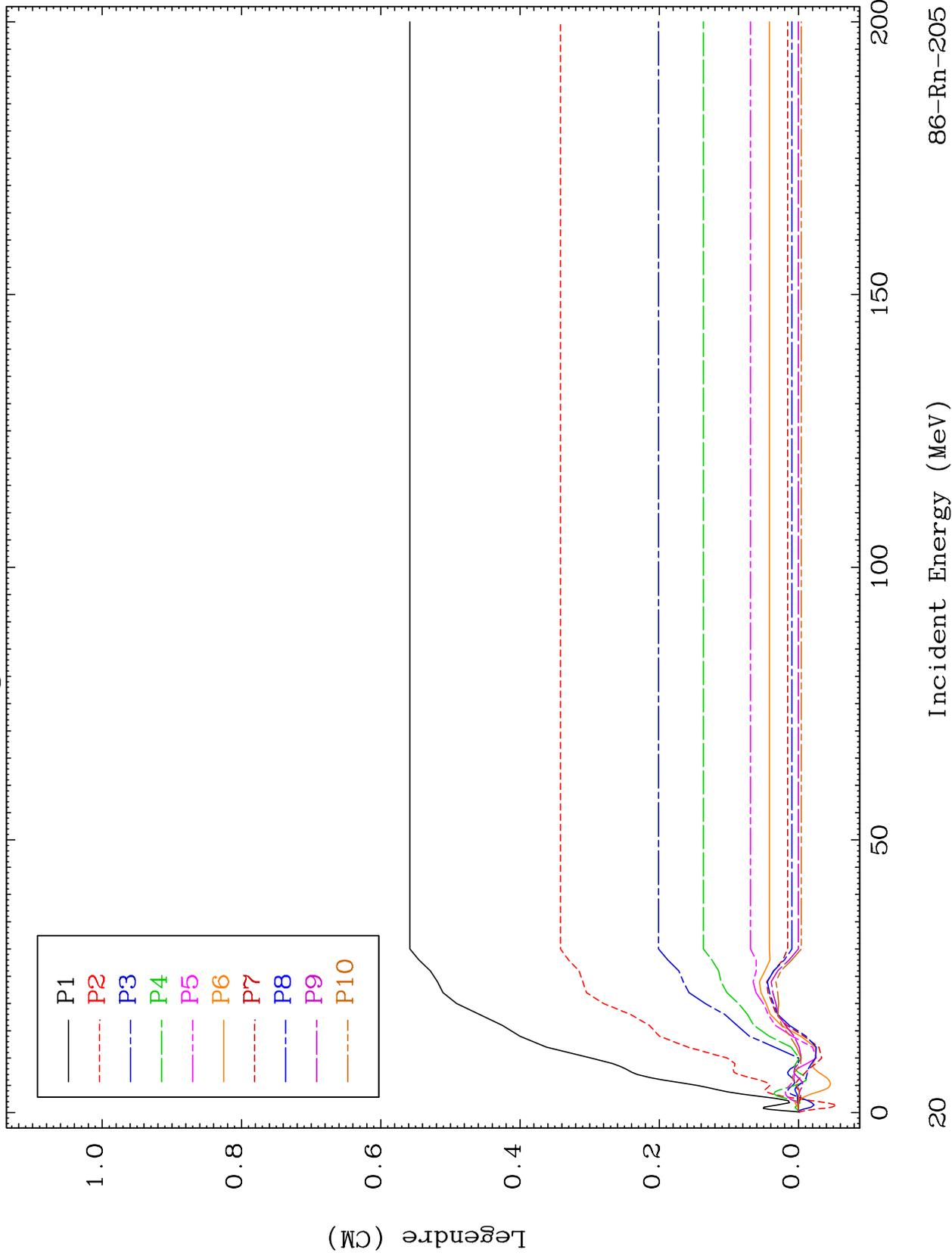
86-Rn-205



MAT 8607

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

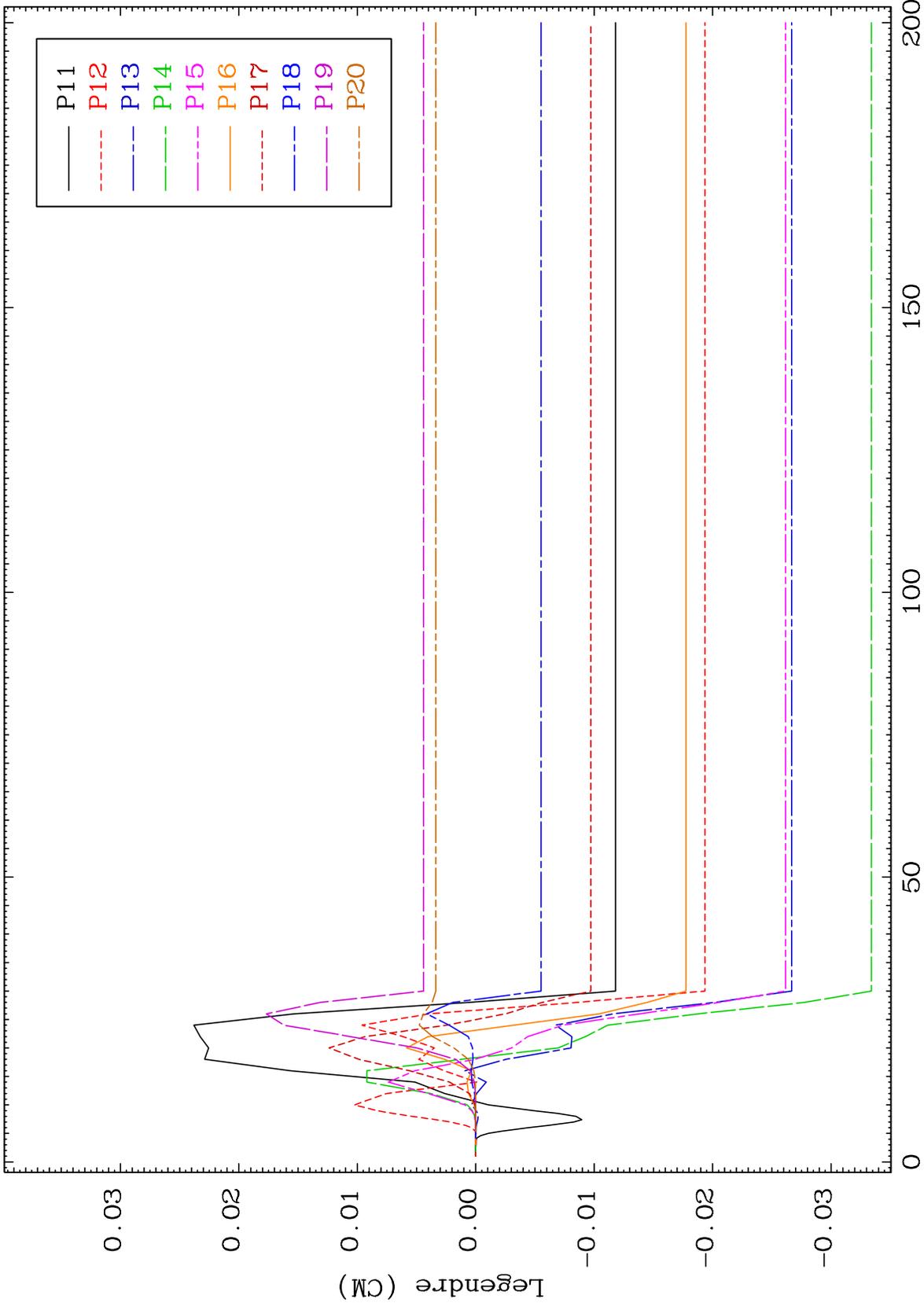
86-Rn-205



MAT 8607

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

86-Rn-205



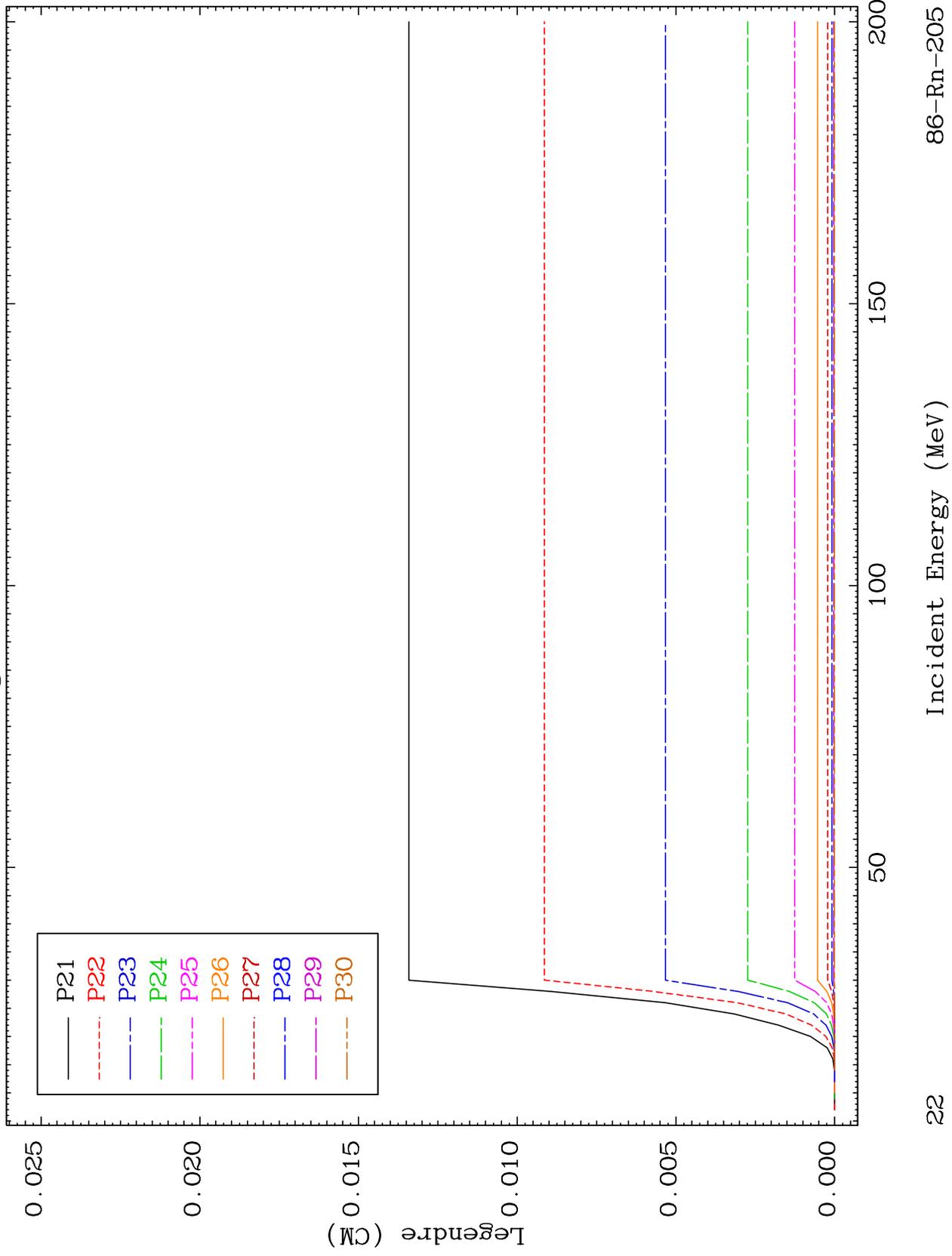
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86-Rn-205

MAT 8607

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

86-Rn-205



22

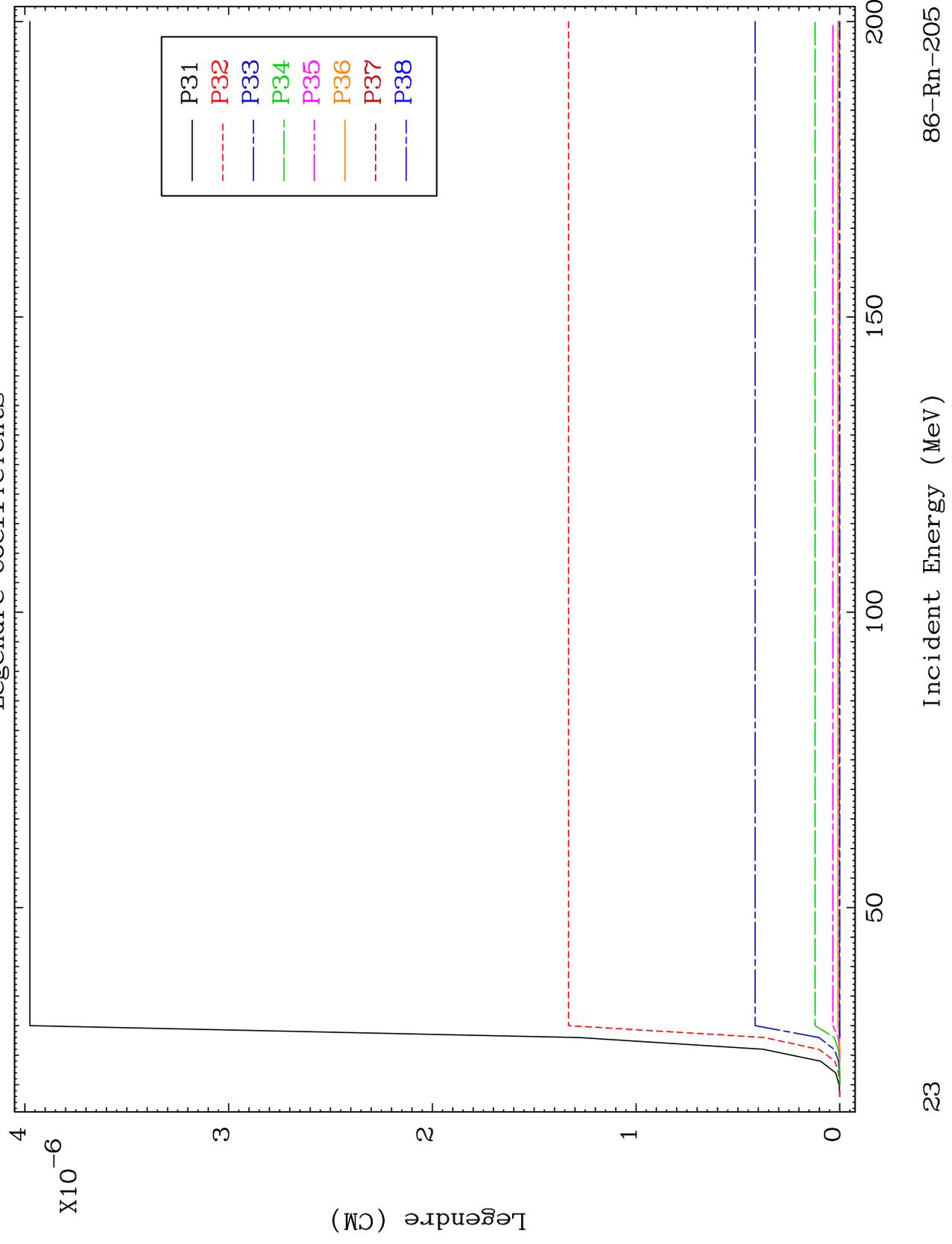
Incident Energy (MeV)

86-Rn-205

MAT 8607

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

86-Rn-205

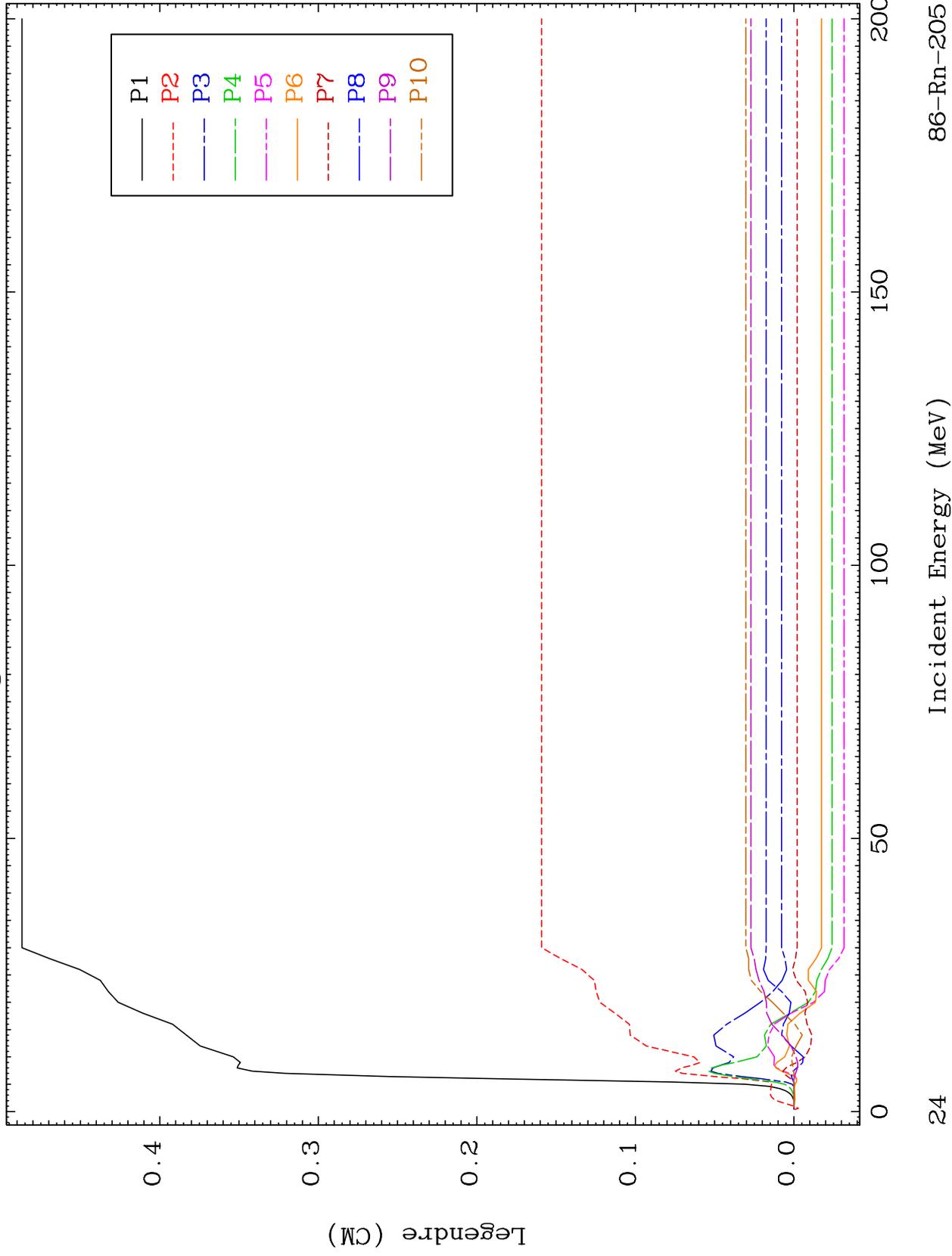


23

MAT 8607

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

86-Rn-205



24

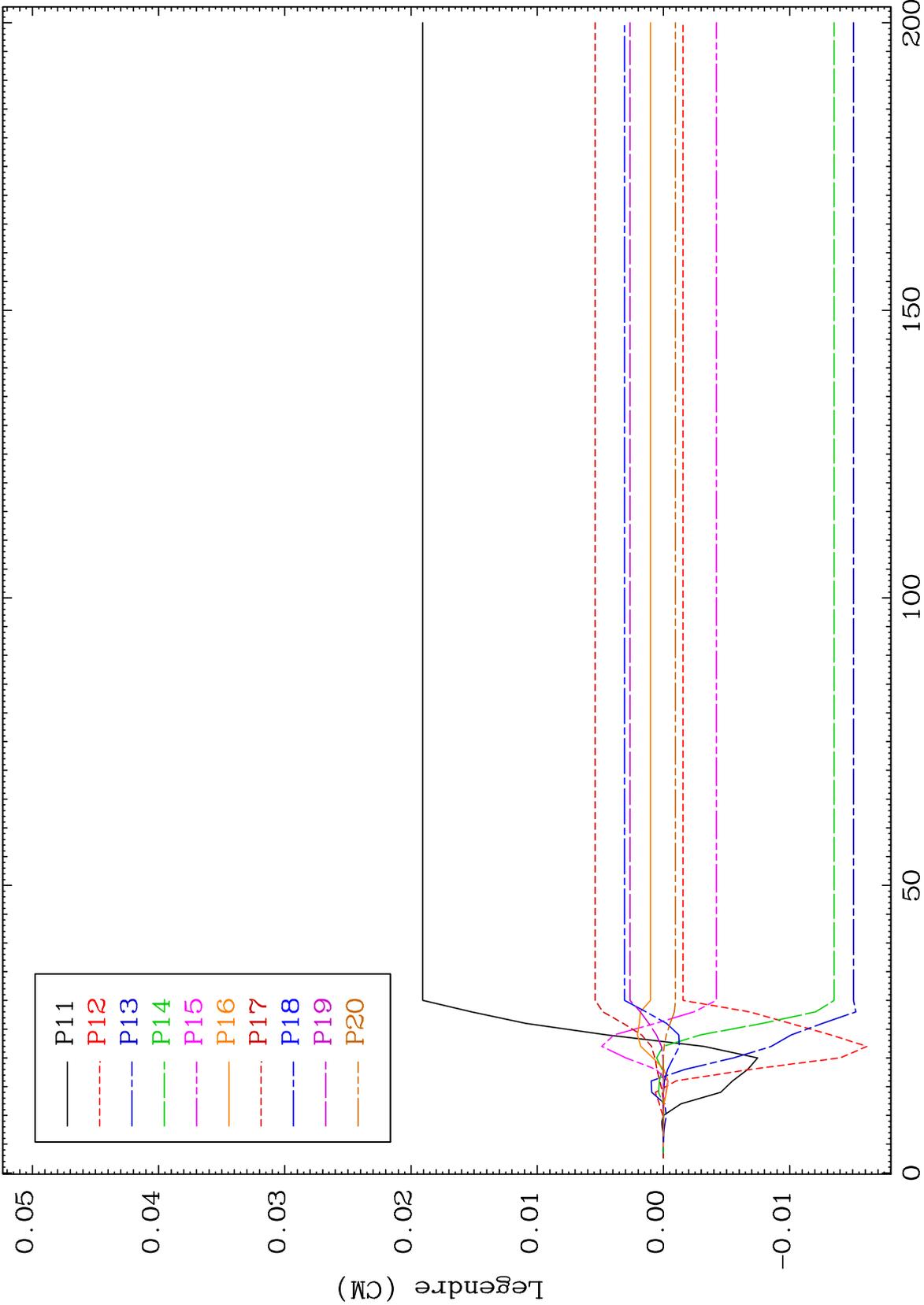
Incident Energy (MeV)

86-Rn-205

MAT 8607

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

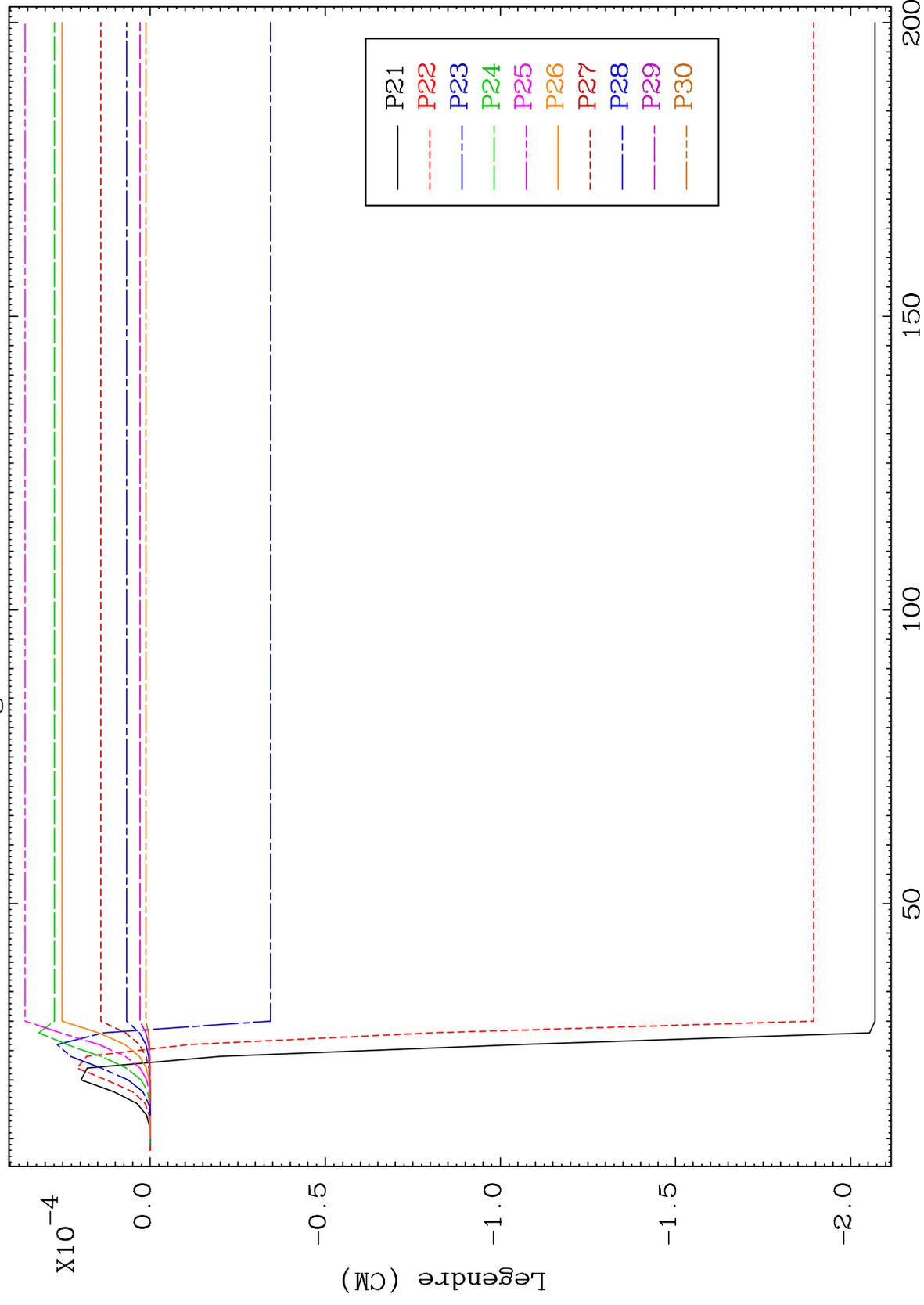
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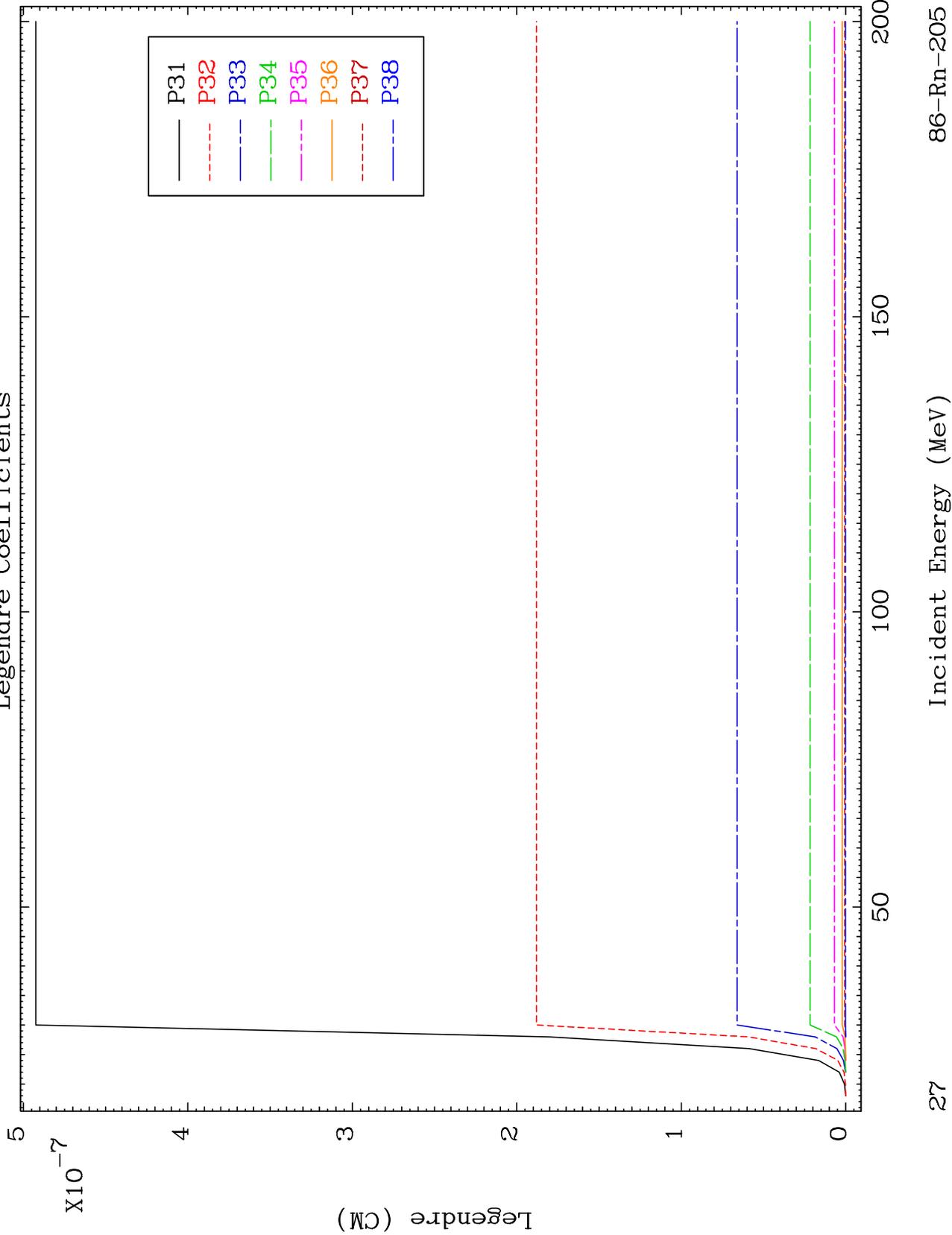


25

Incident Energy (MeV)

86-Rn-205

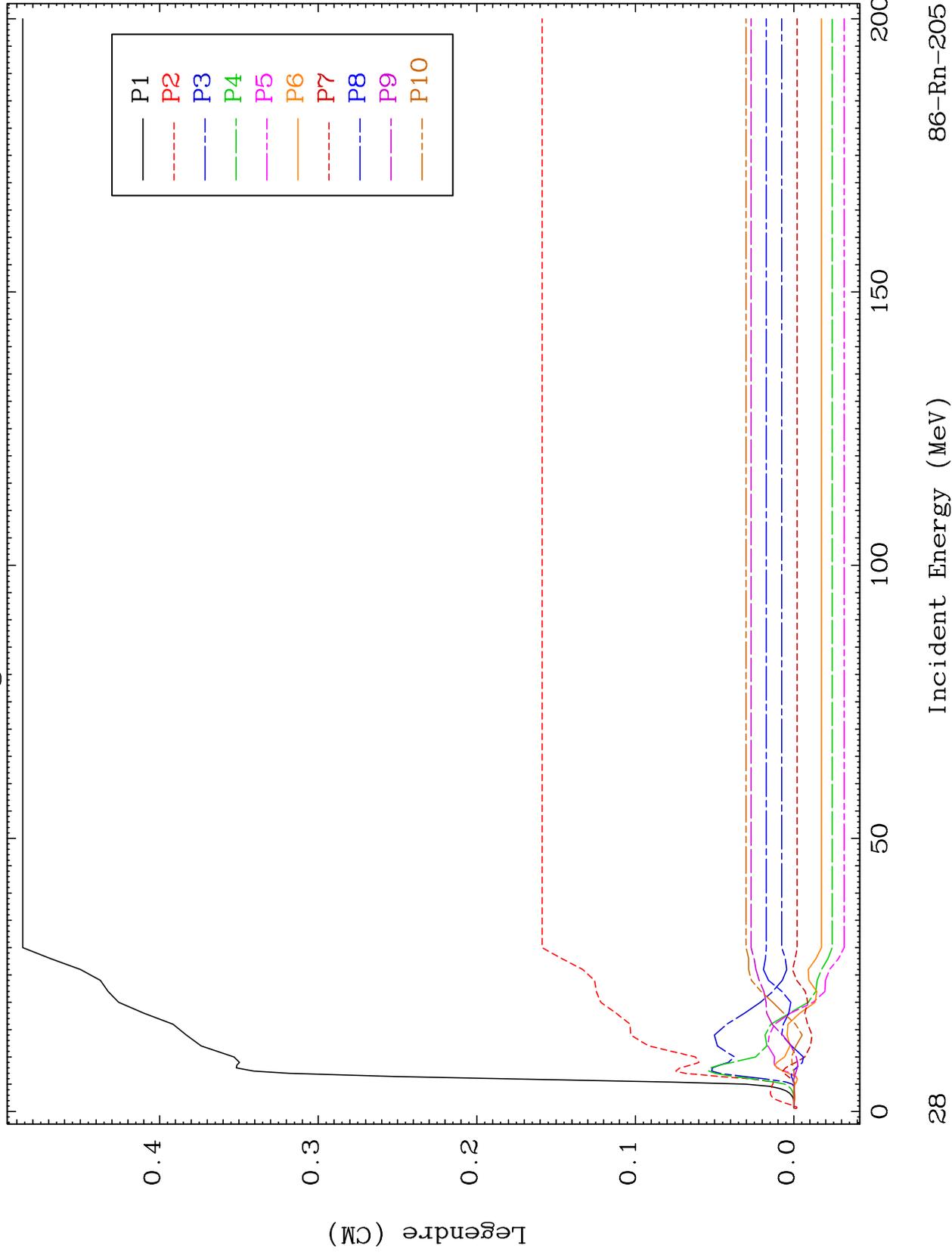




MAT 8607

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

86-Rn-205



86-Rn-205

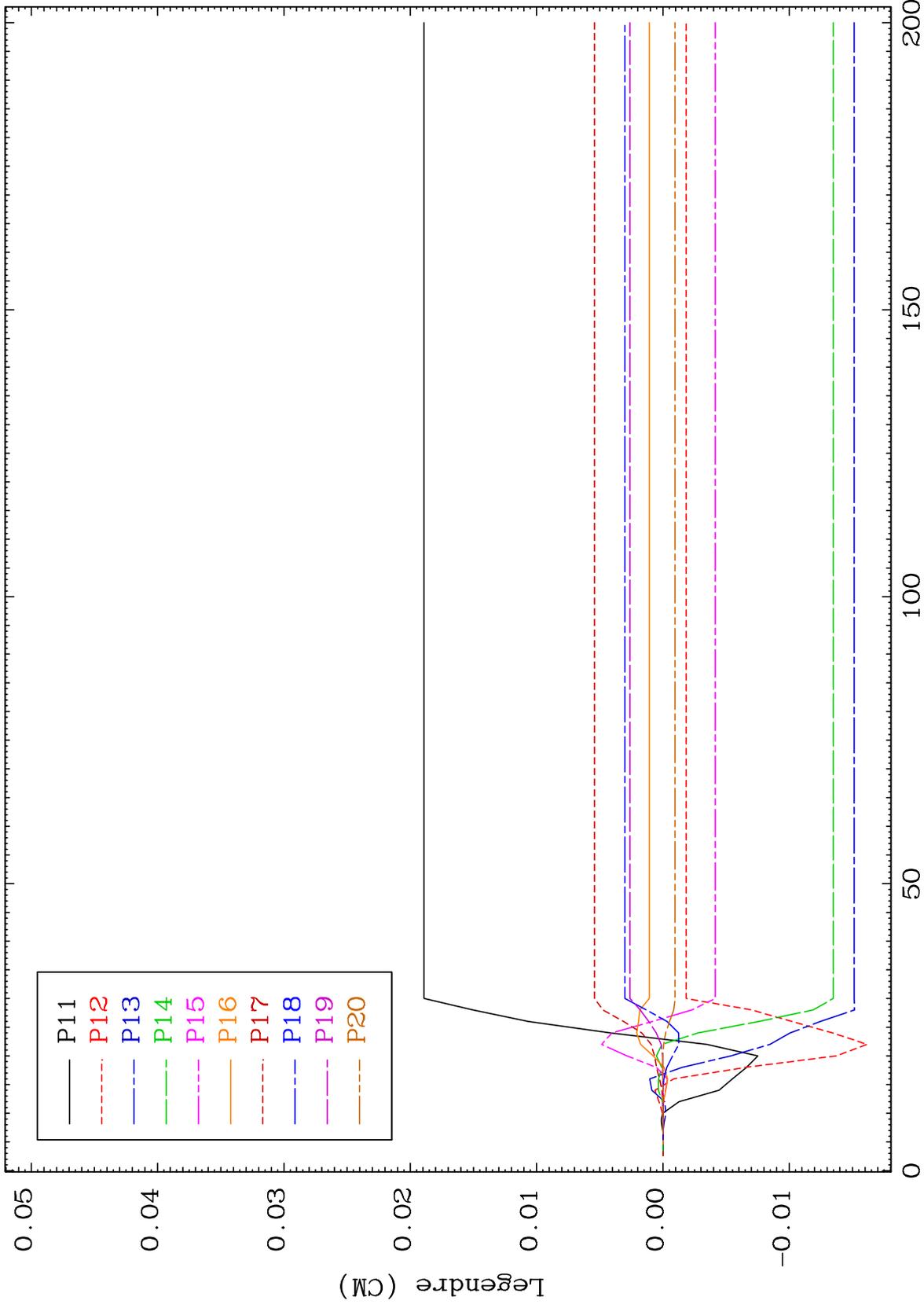
Incident Energy (MeV)

28

MAT 8607

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

86-Rn-205



29

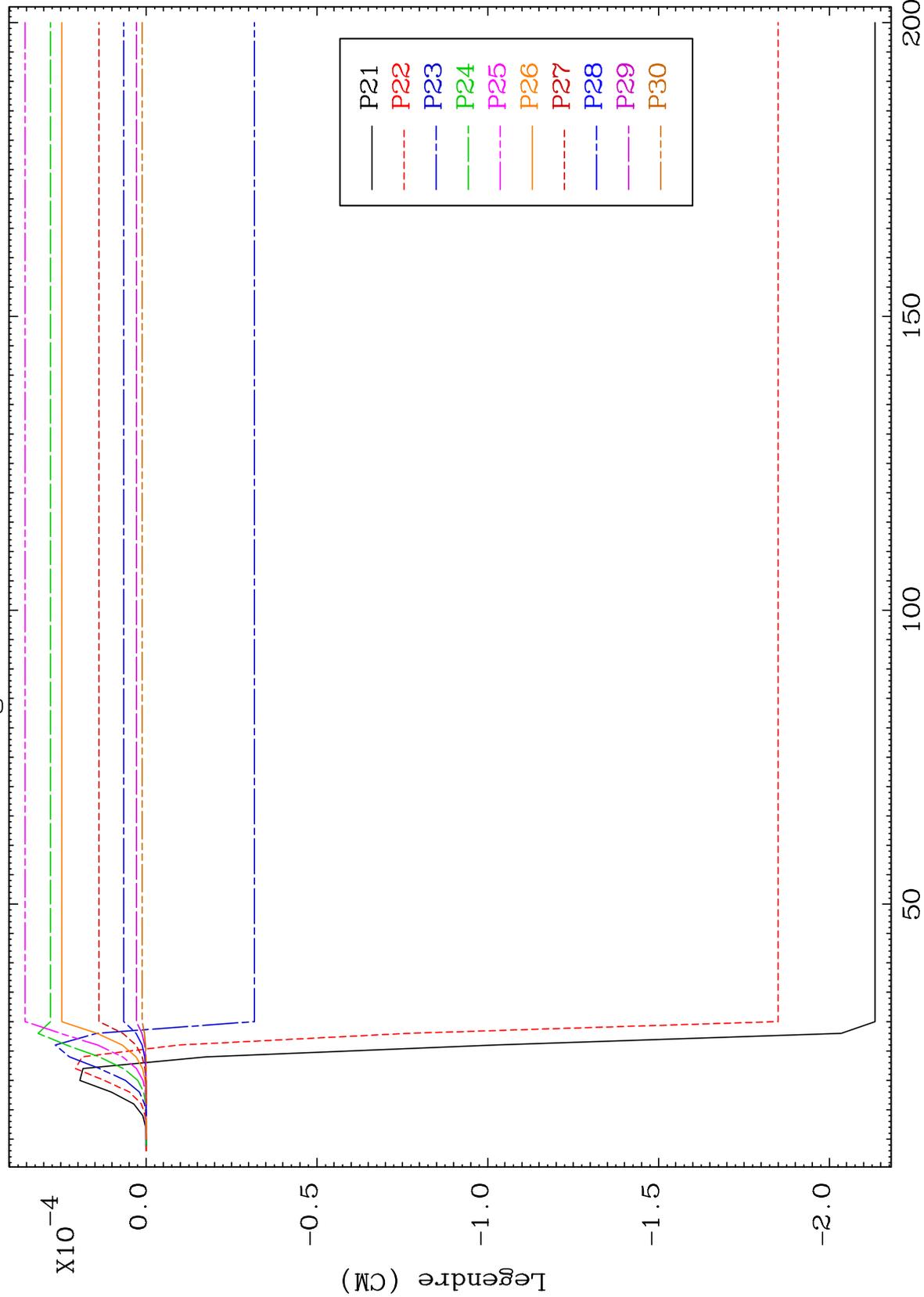
Incident Energy (MeV)

86-Rn-205

MAT 8607

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

86-Rn-205



30

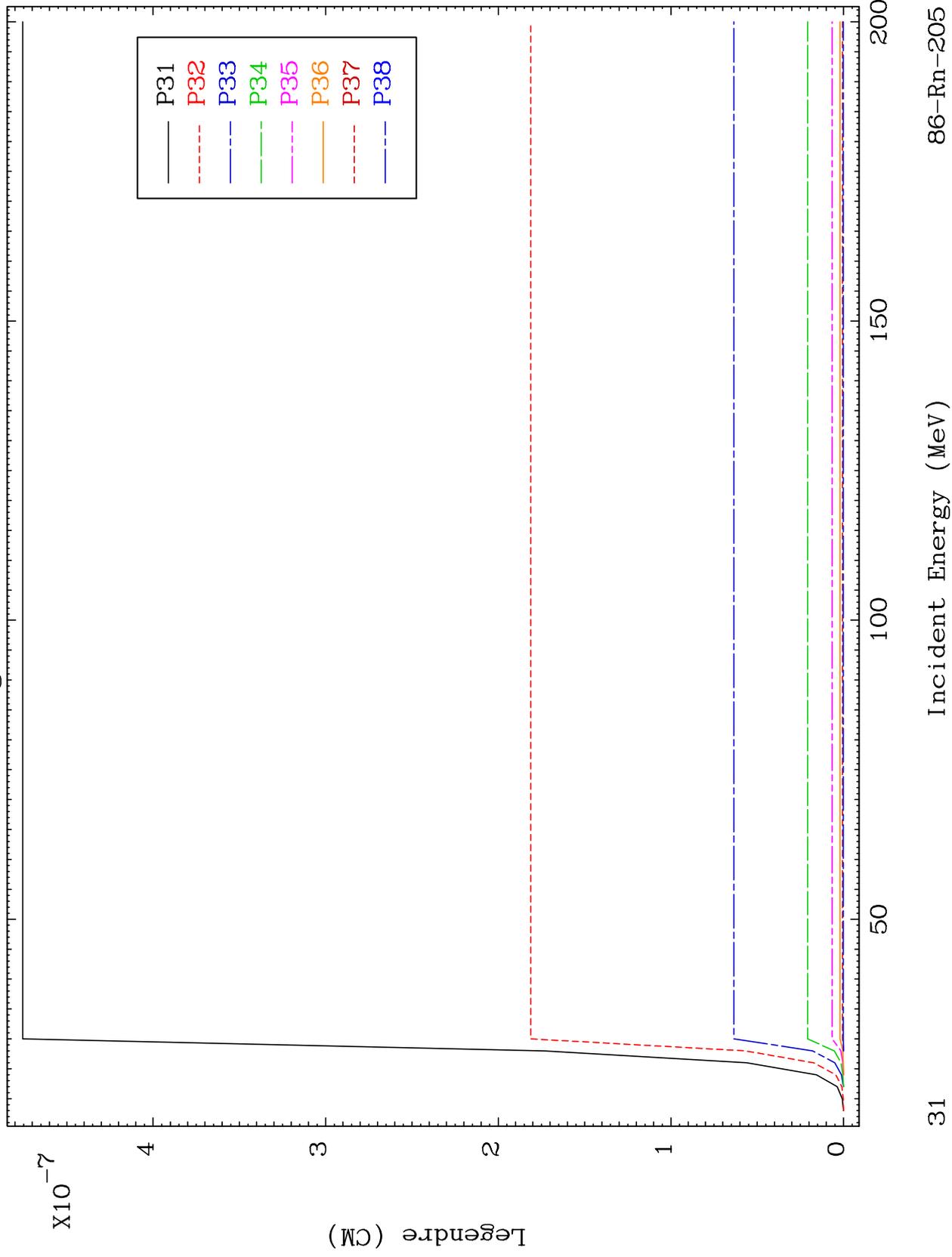
Incident Energy (MeV)

86-Rn-205

MAT 8607

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

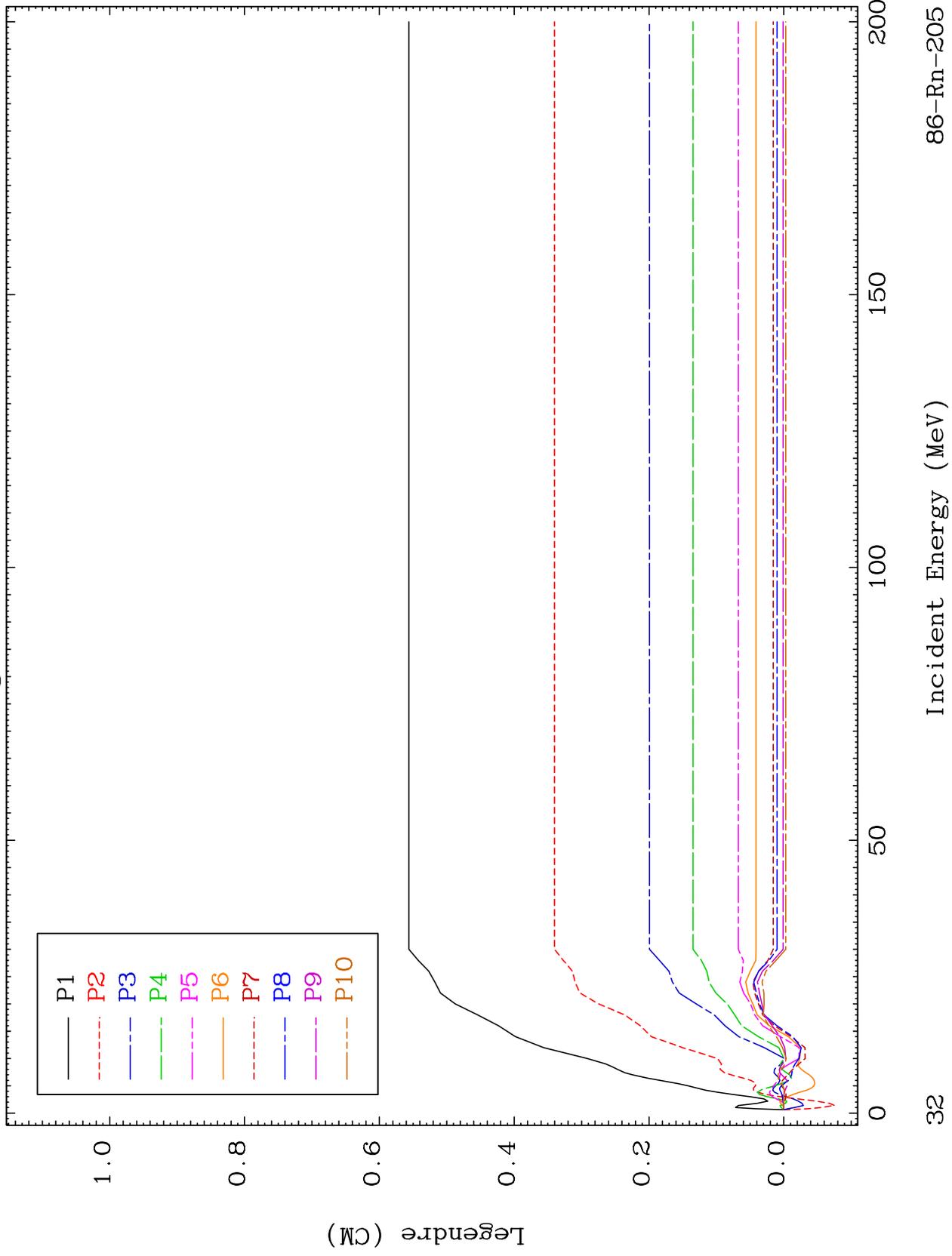
86-Rn-205



MAT 8607

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

86-Rn-205



MAT 8607

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

86-Rn-205



33

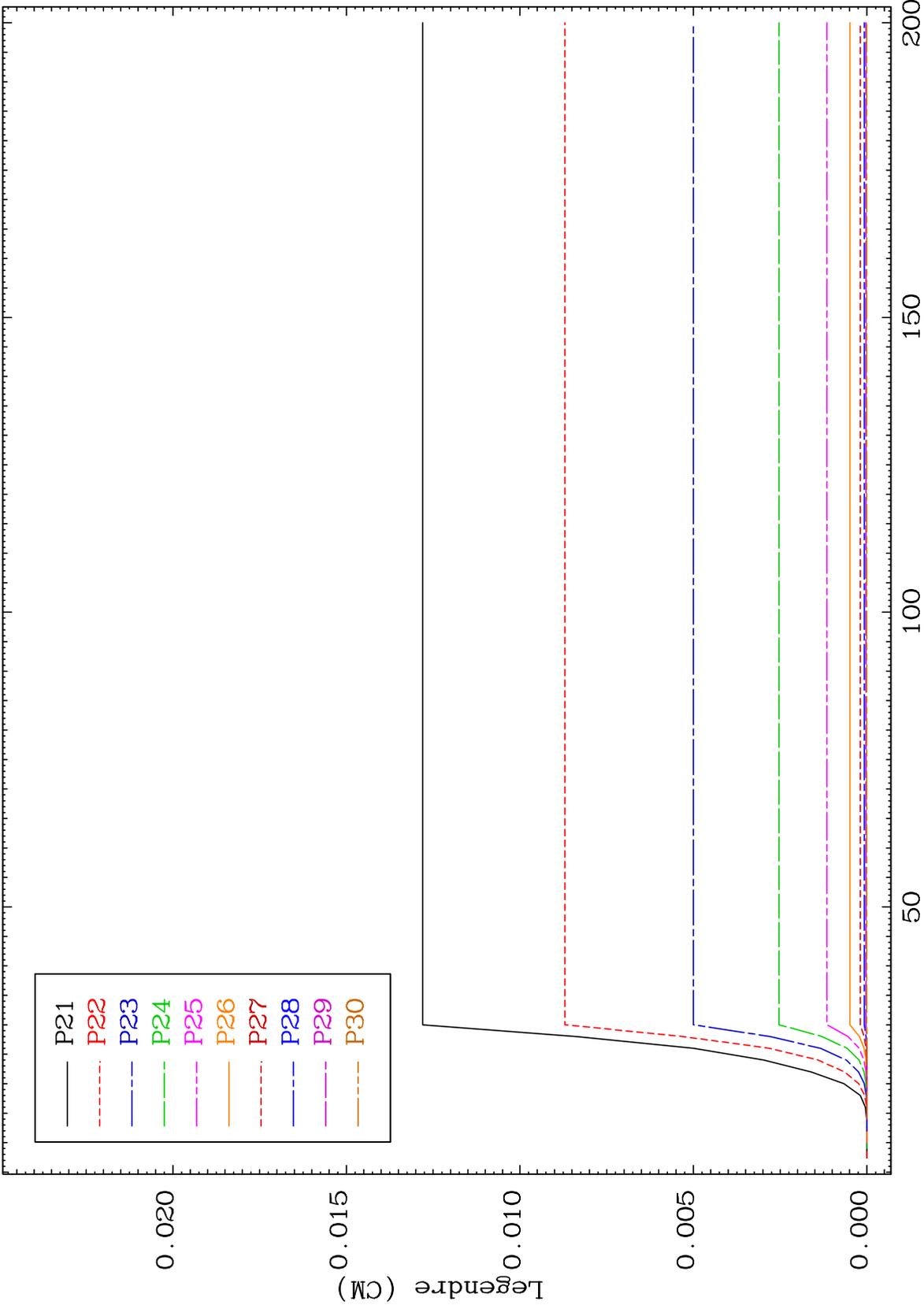
Incident Energy (MeV)

86-Rn-205

MAT 8607

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

86-Rn-205



34

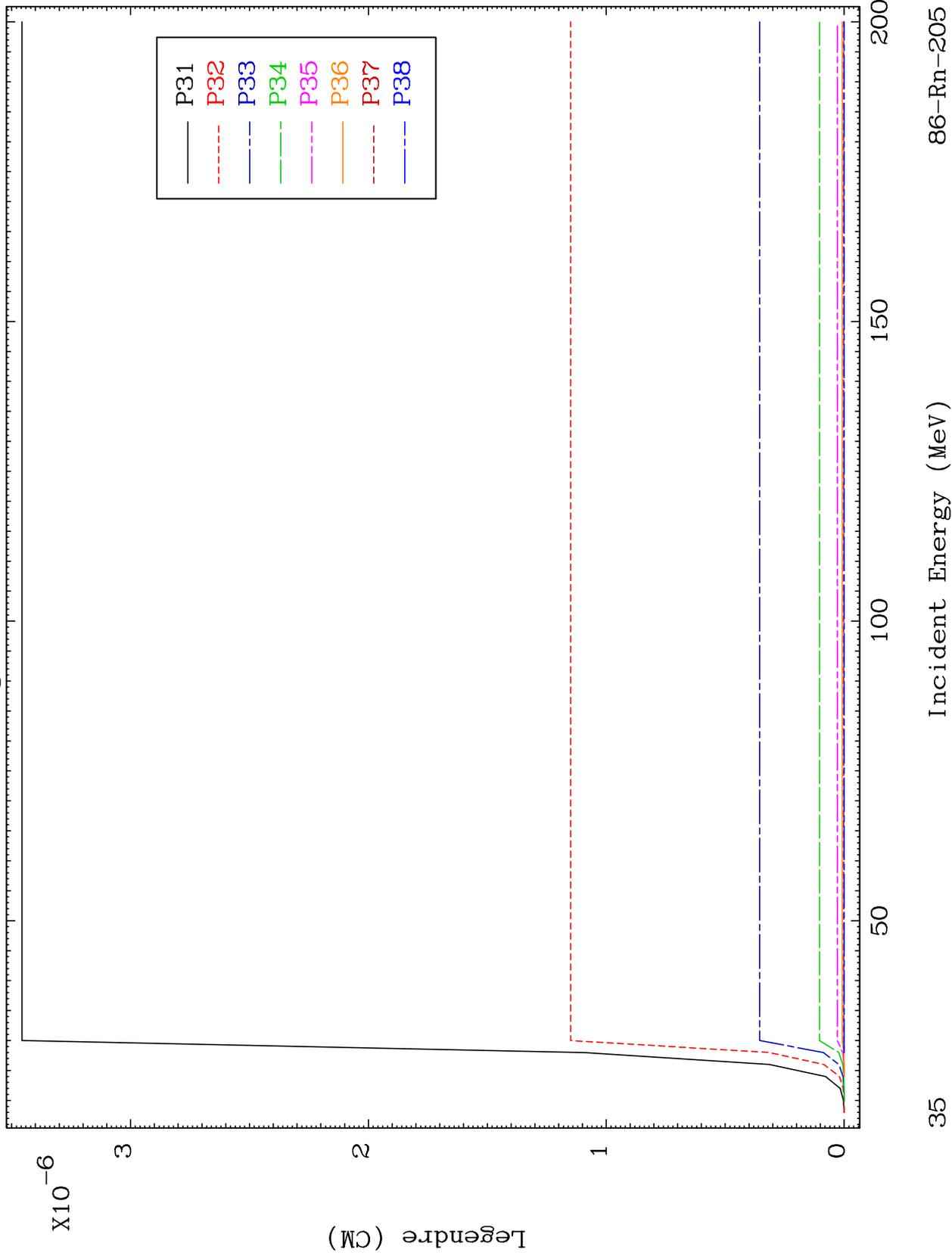
Incident Energy (MeV)

86-Rn-205

MAT 8607

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

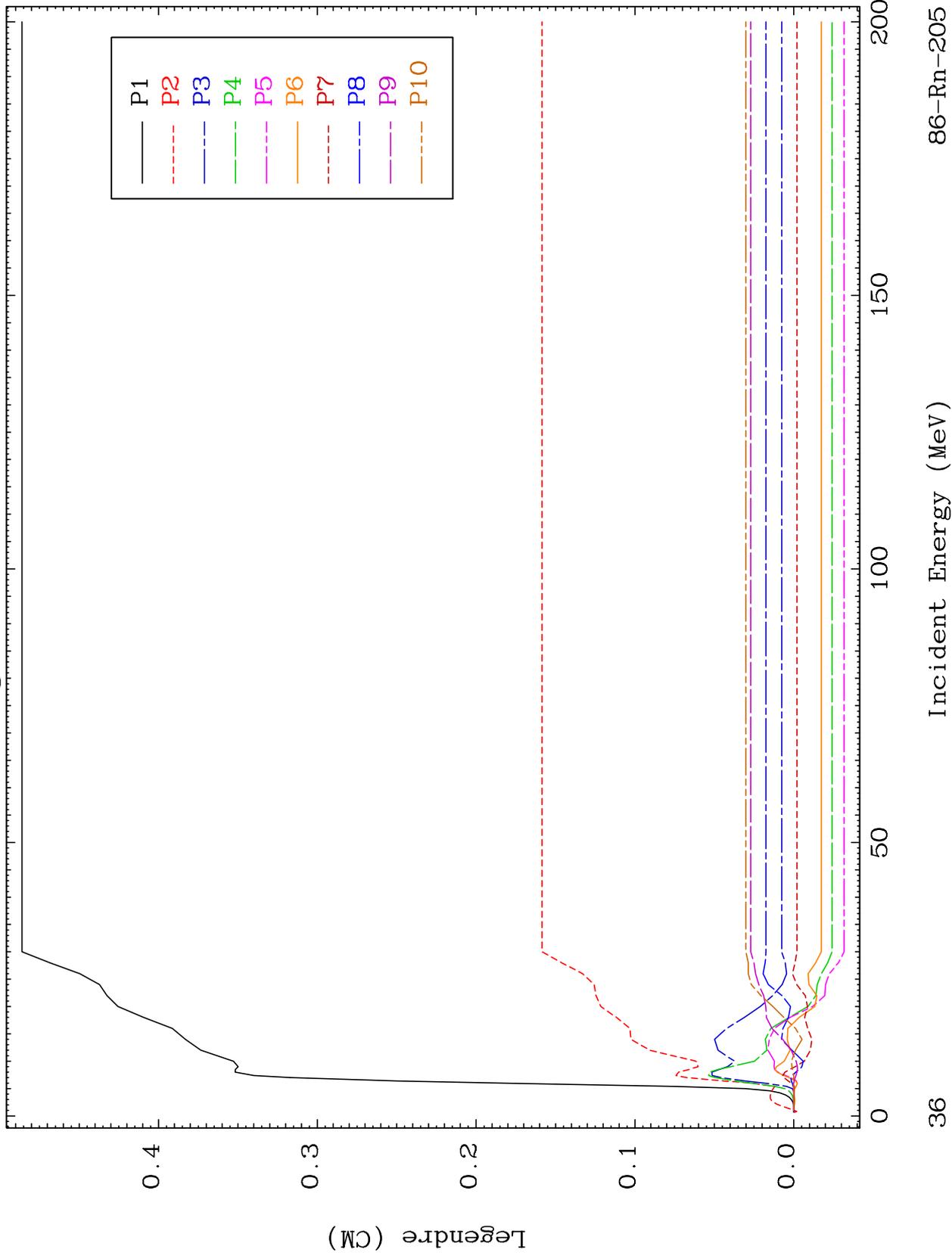
86-Rn-205



MAT 8607

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

86-Rn-205



36

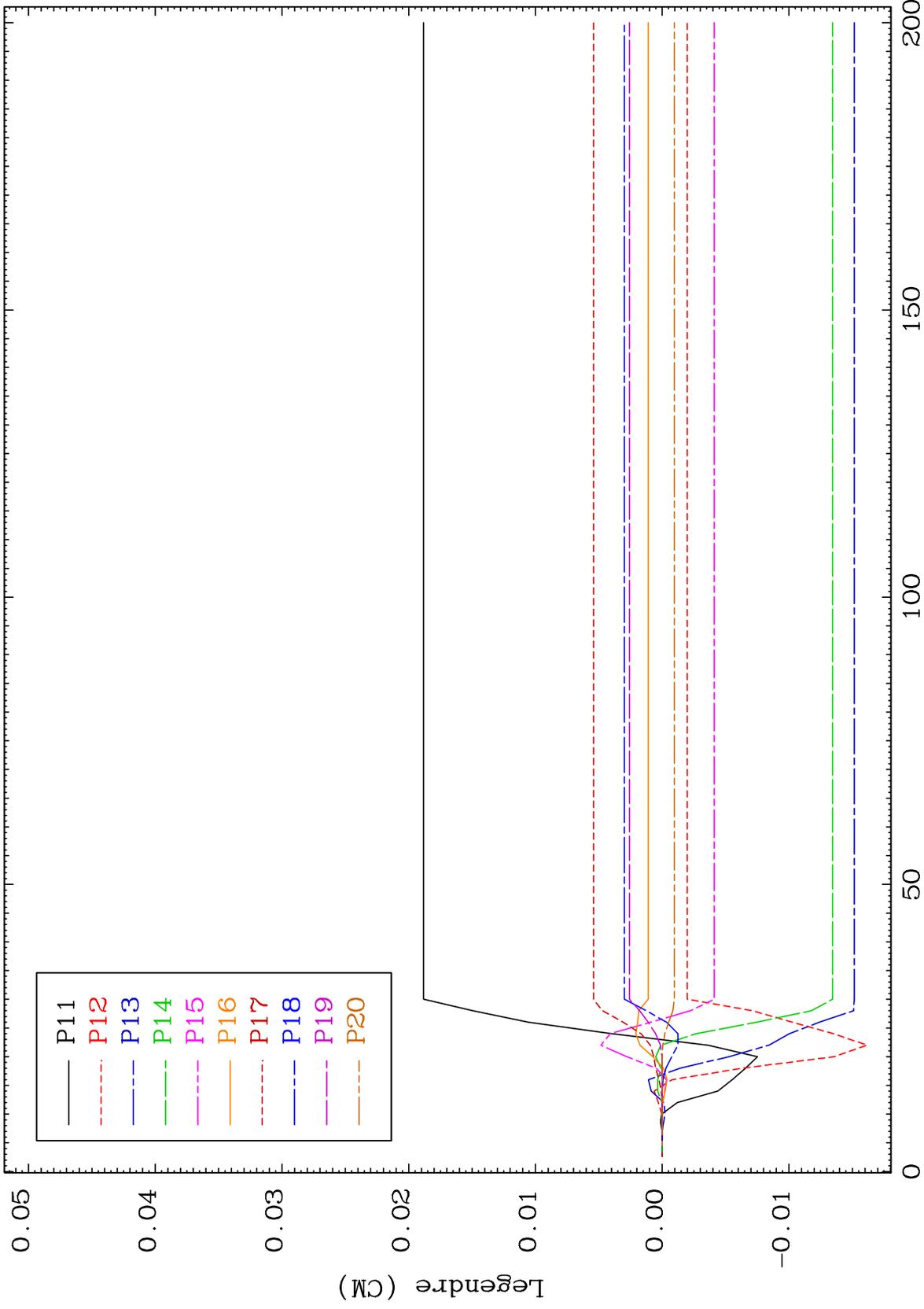
Incident Energy (MeV)

86-Rn-205

MAT 8607

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

86-Rn-205



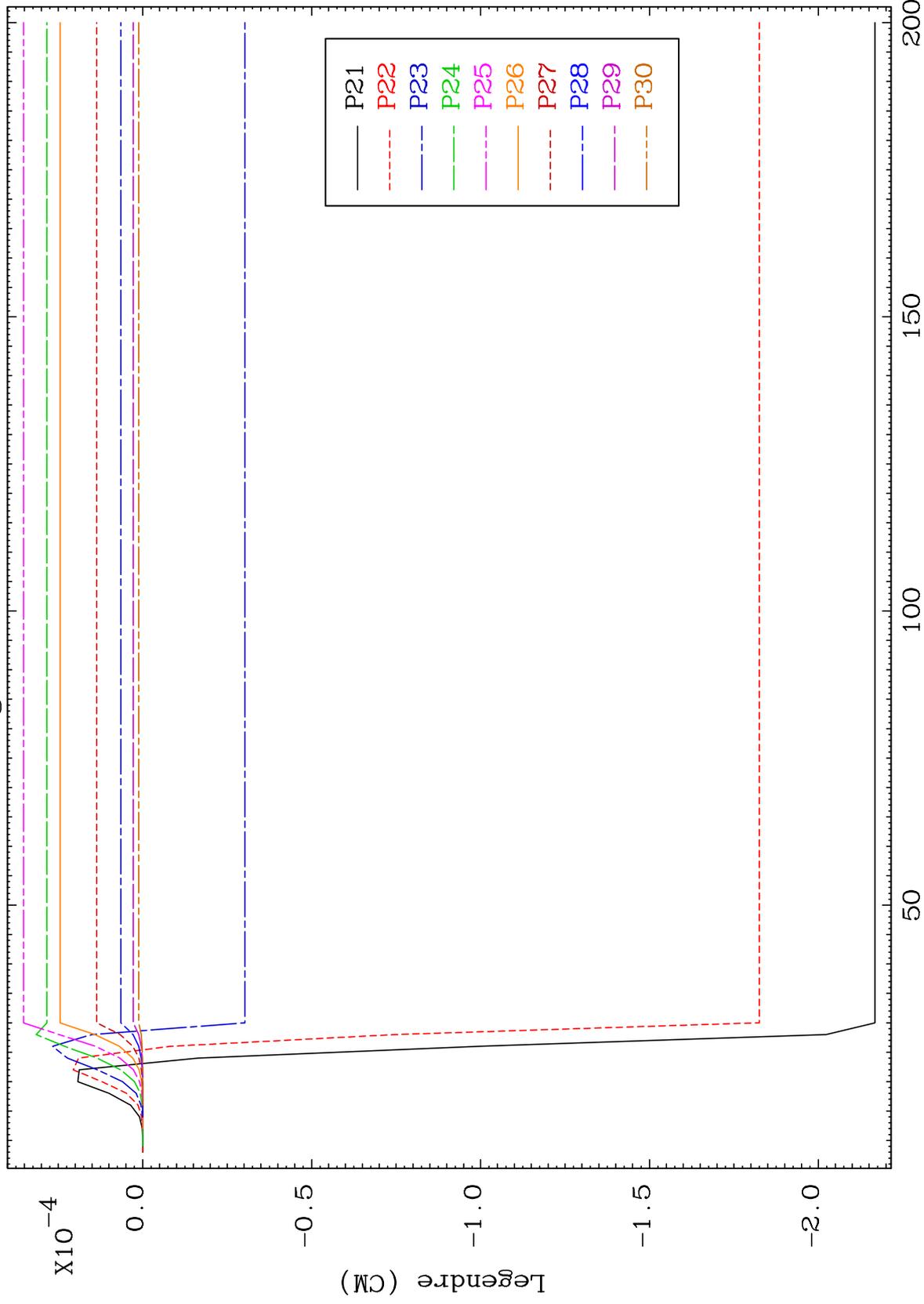
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86-Rn-205

MAT 8607

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

86-Rn-205



38

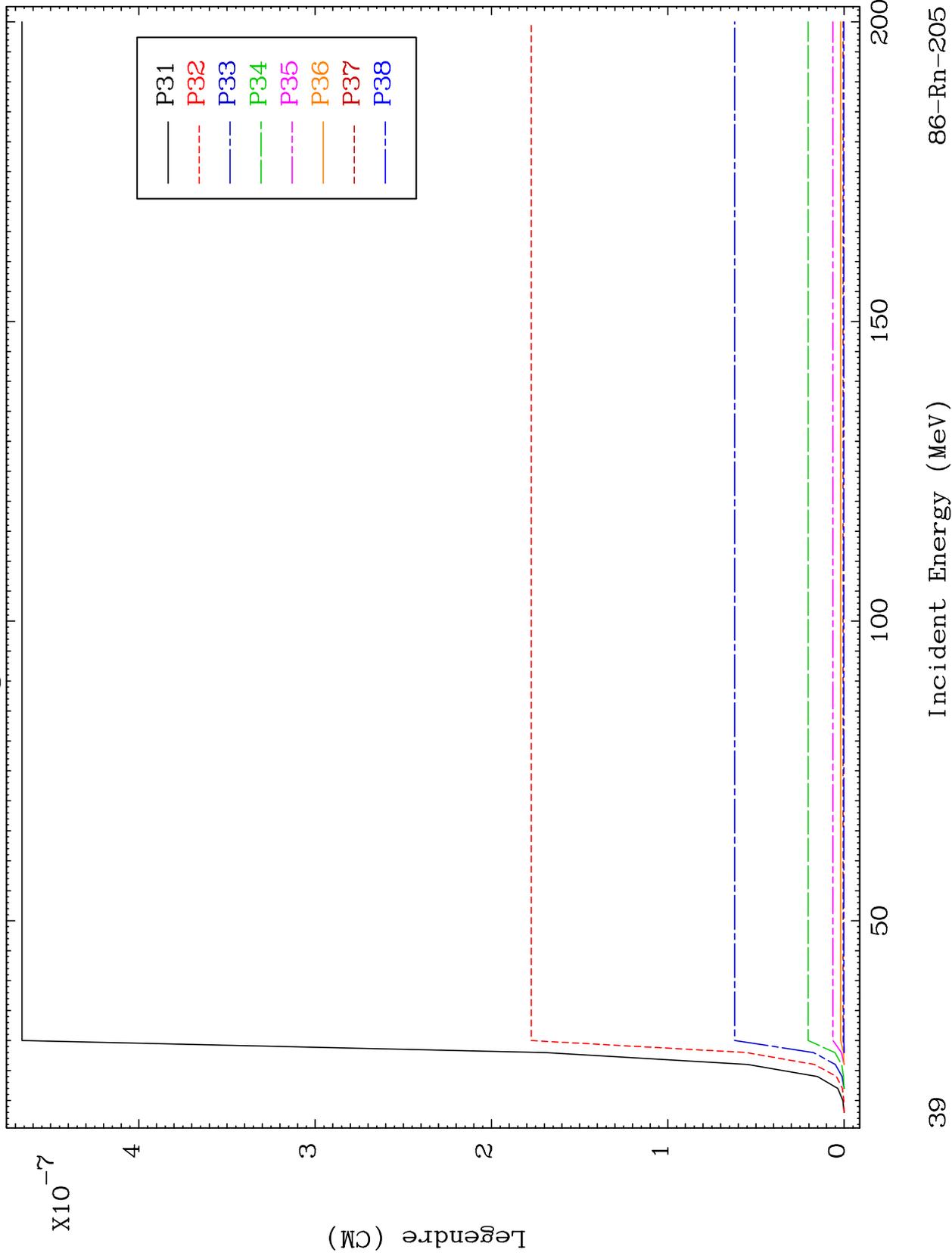
Incident Energy (MeV)

86-Rn-205

MAT 8607

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

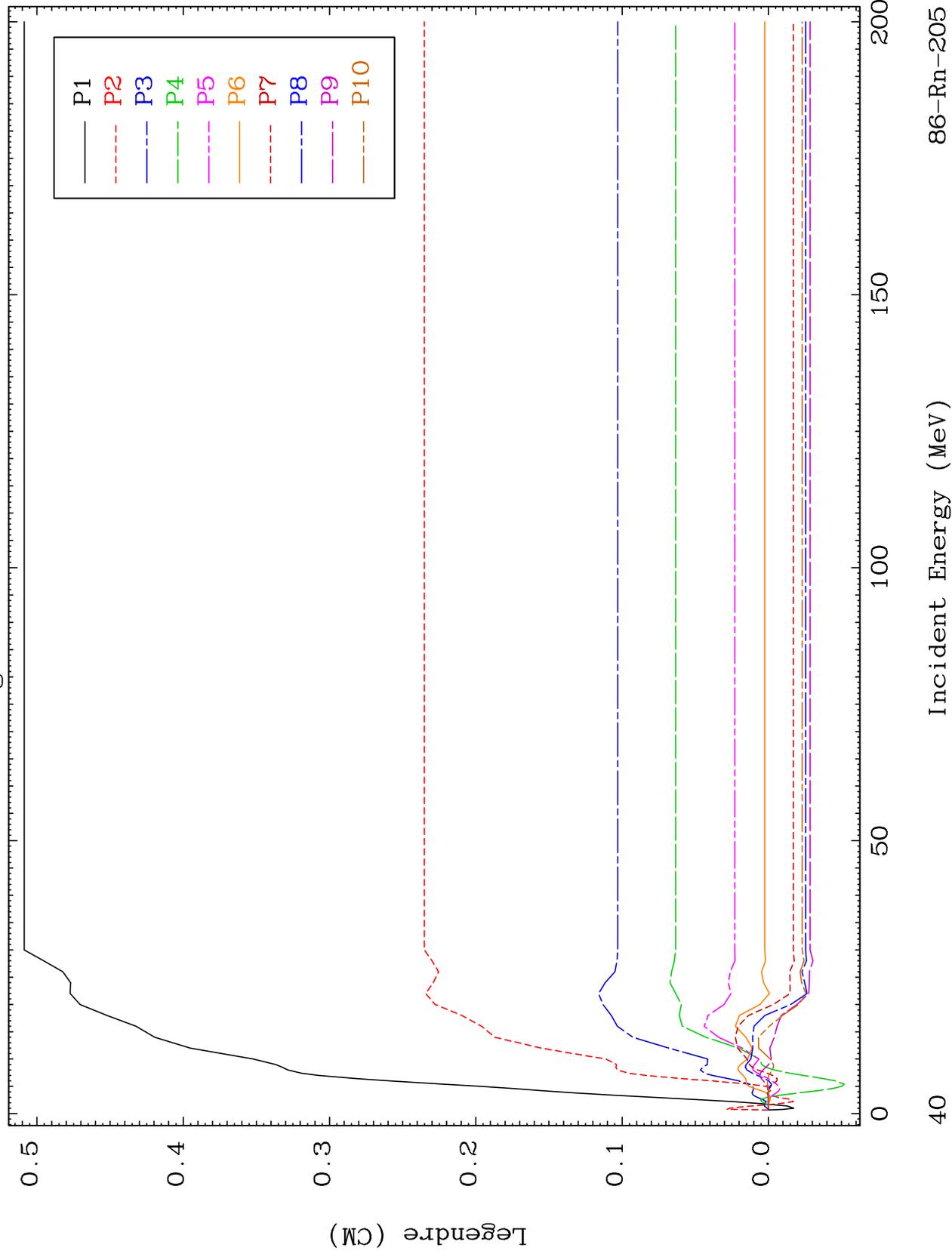
86-Rn-205



MAT 8607

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

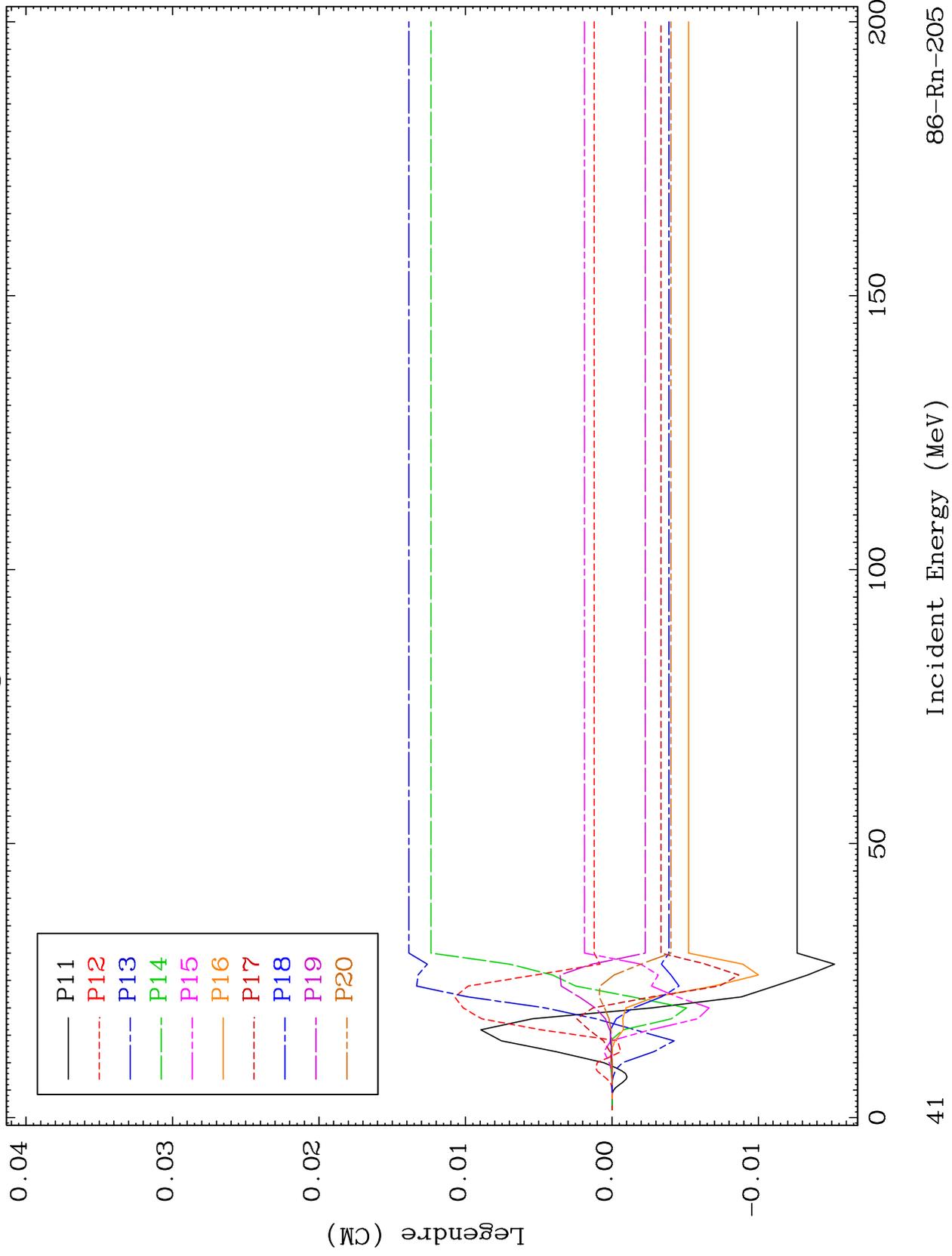
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MAT 8607

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

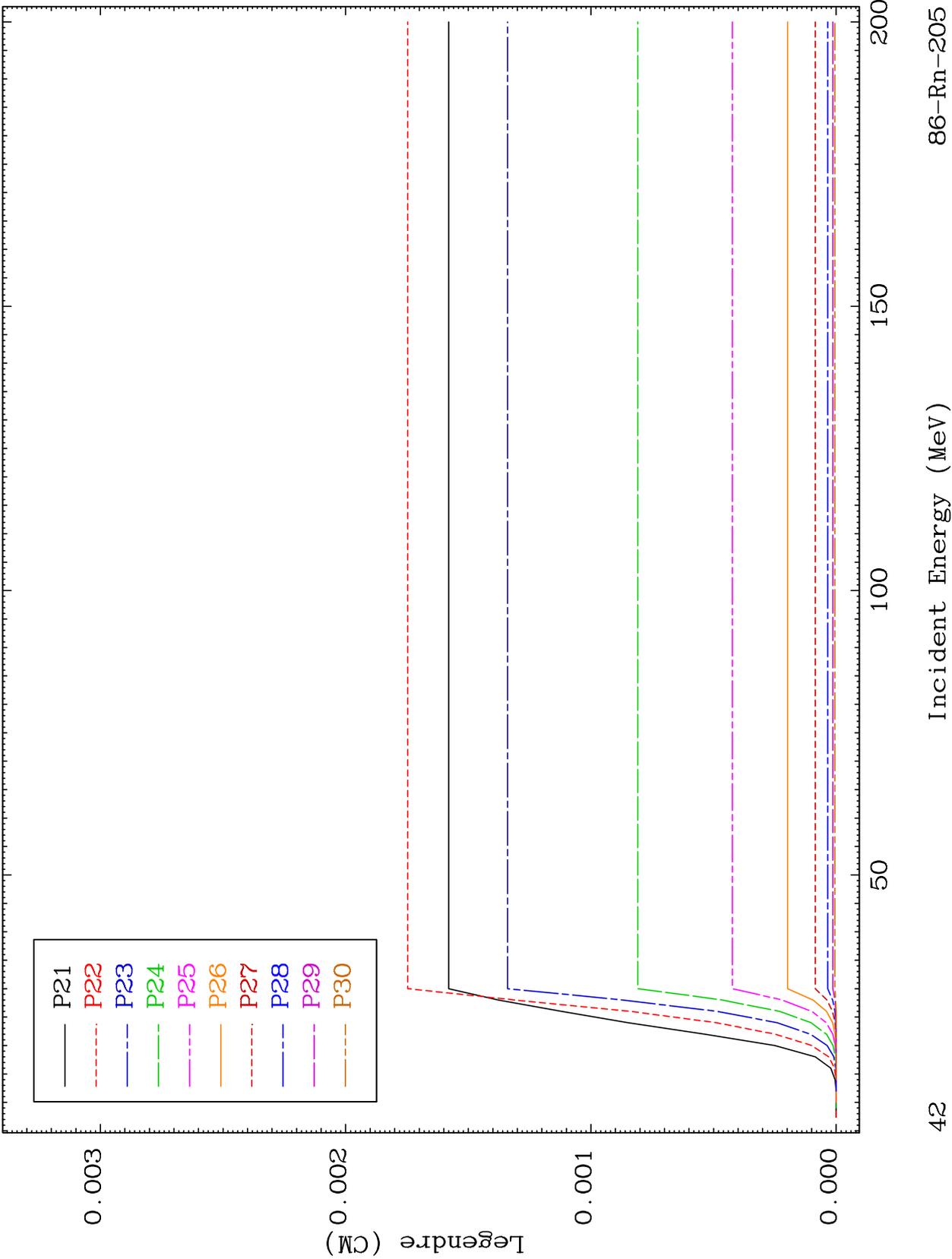
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MAT 8607

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

86-Rn-205



42

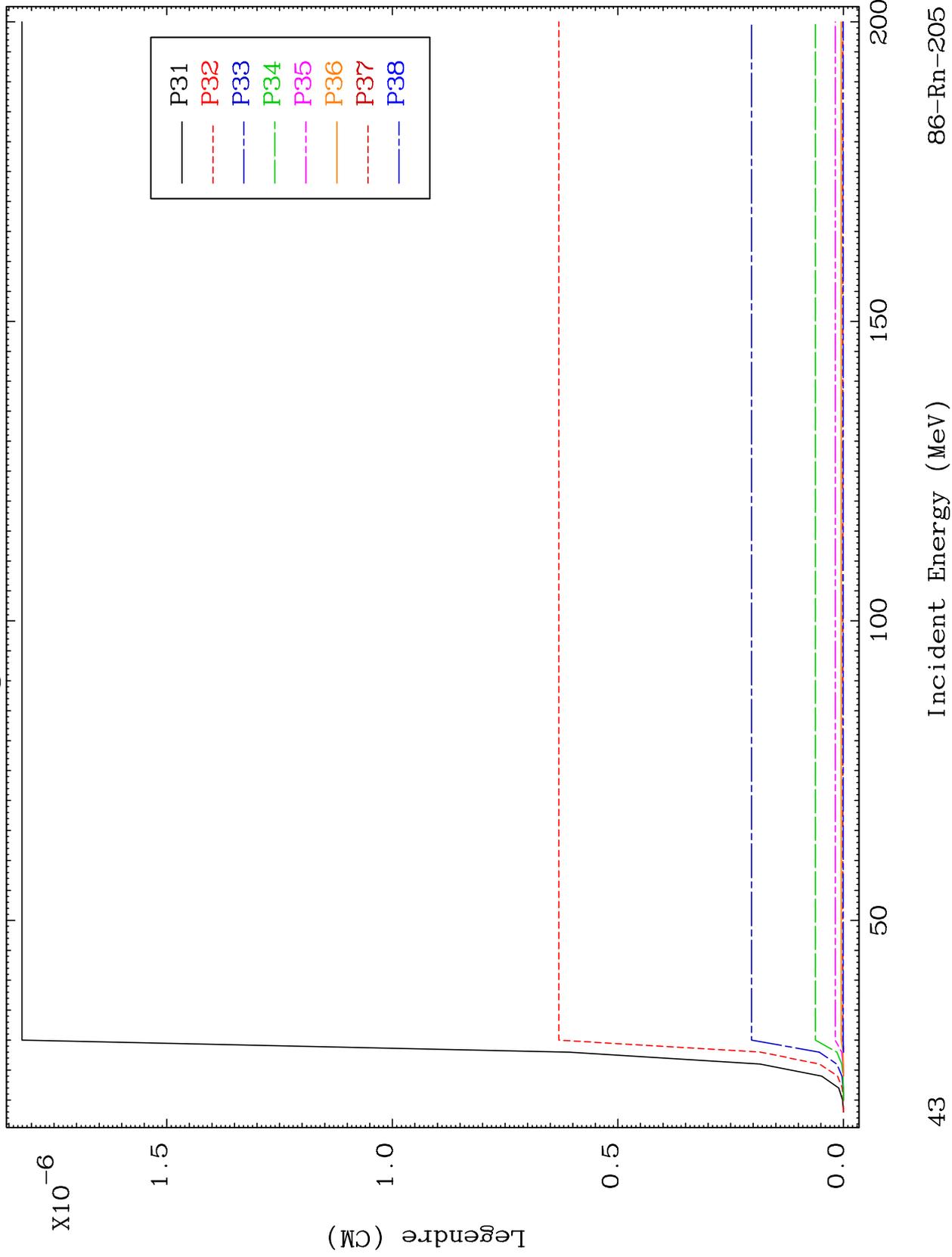
Incident Energy (MeV)

86-Rn-205

MAT 8607

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

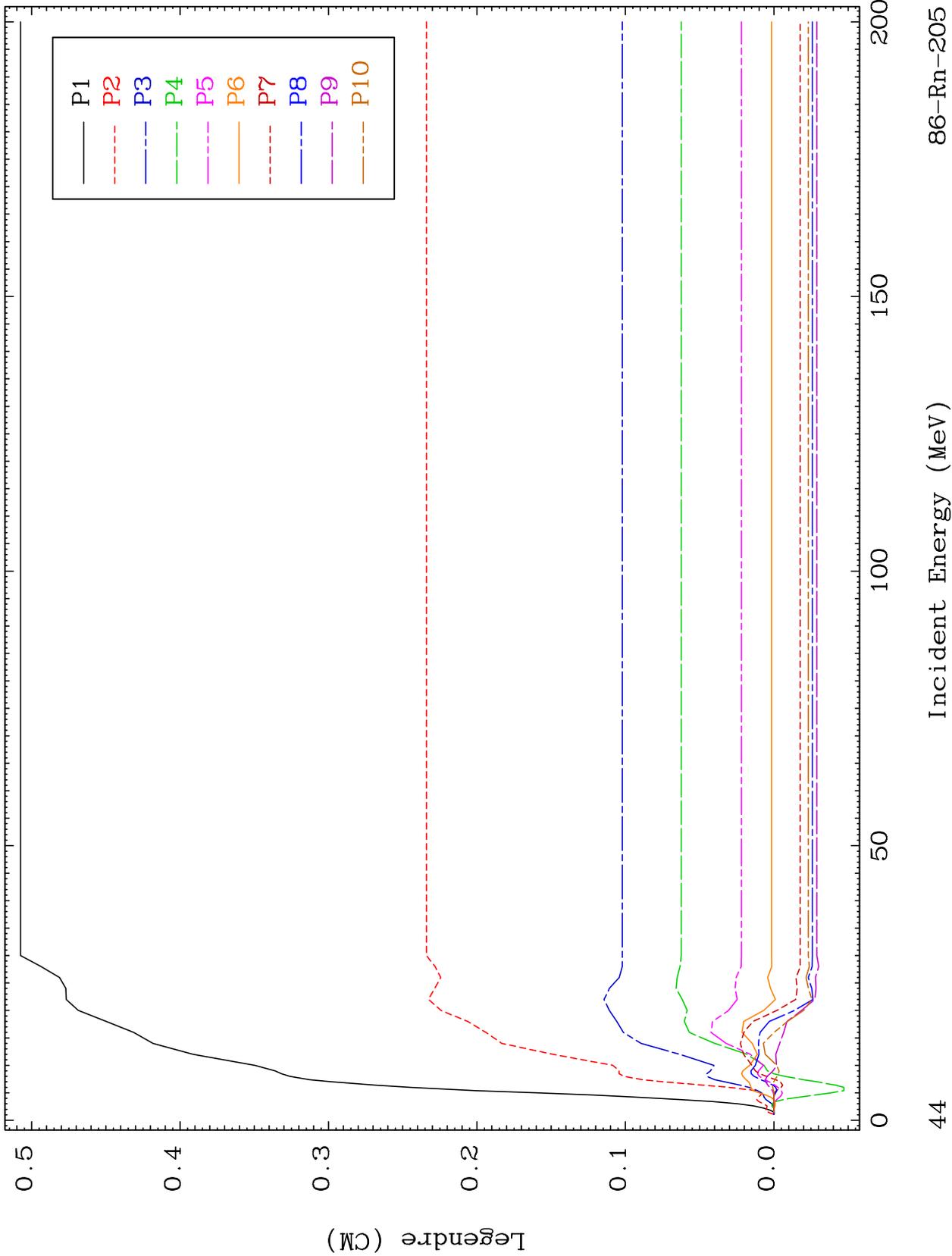
86-Rn-205



MAT 8607

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

86-Rn-205



44

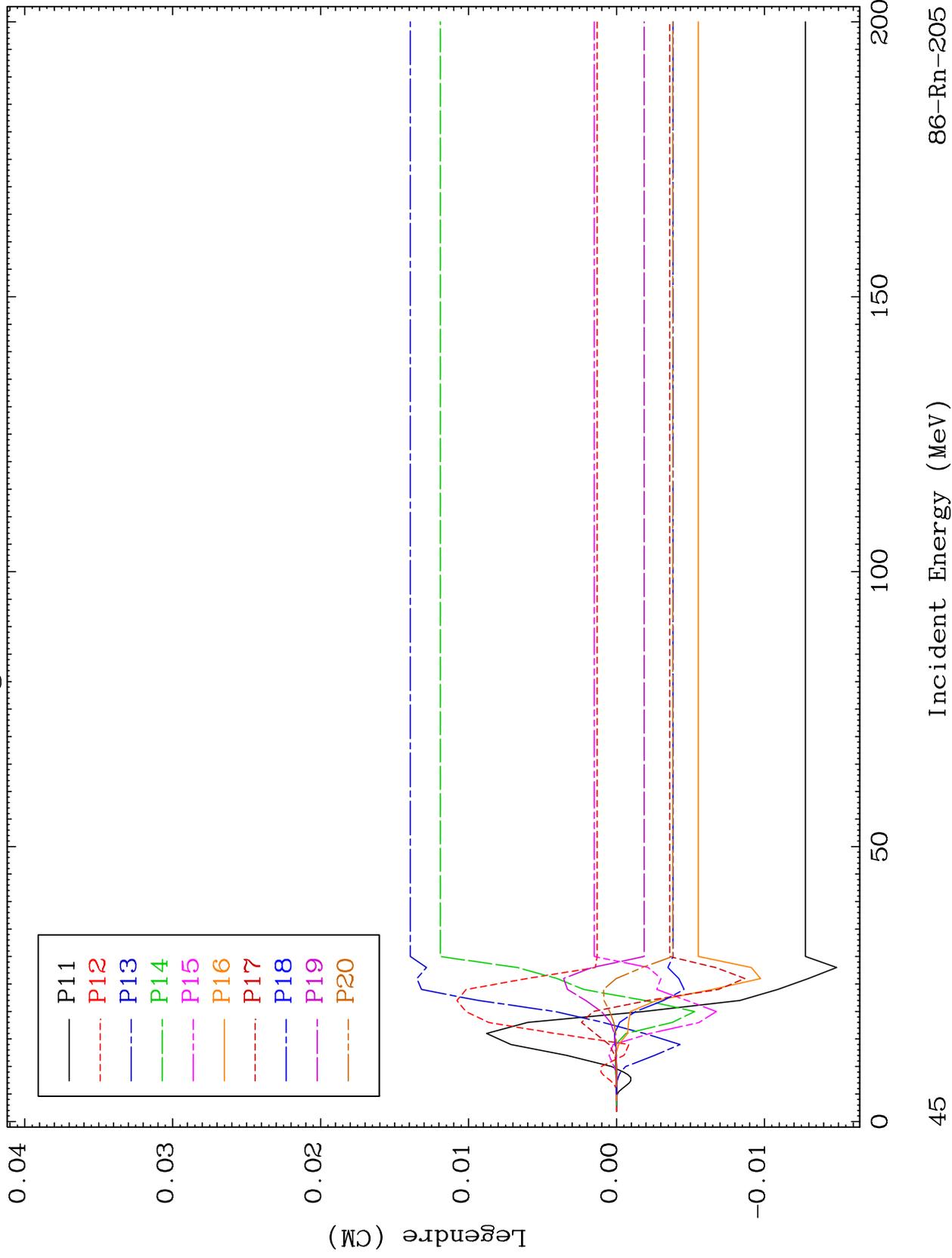
Incident Energy (MeV)

86-Rn-205

MAT 8607

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

86-Rn-205



86-Rn-205

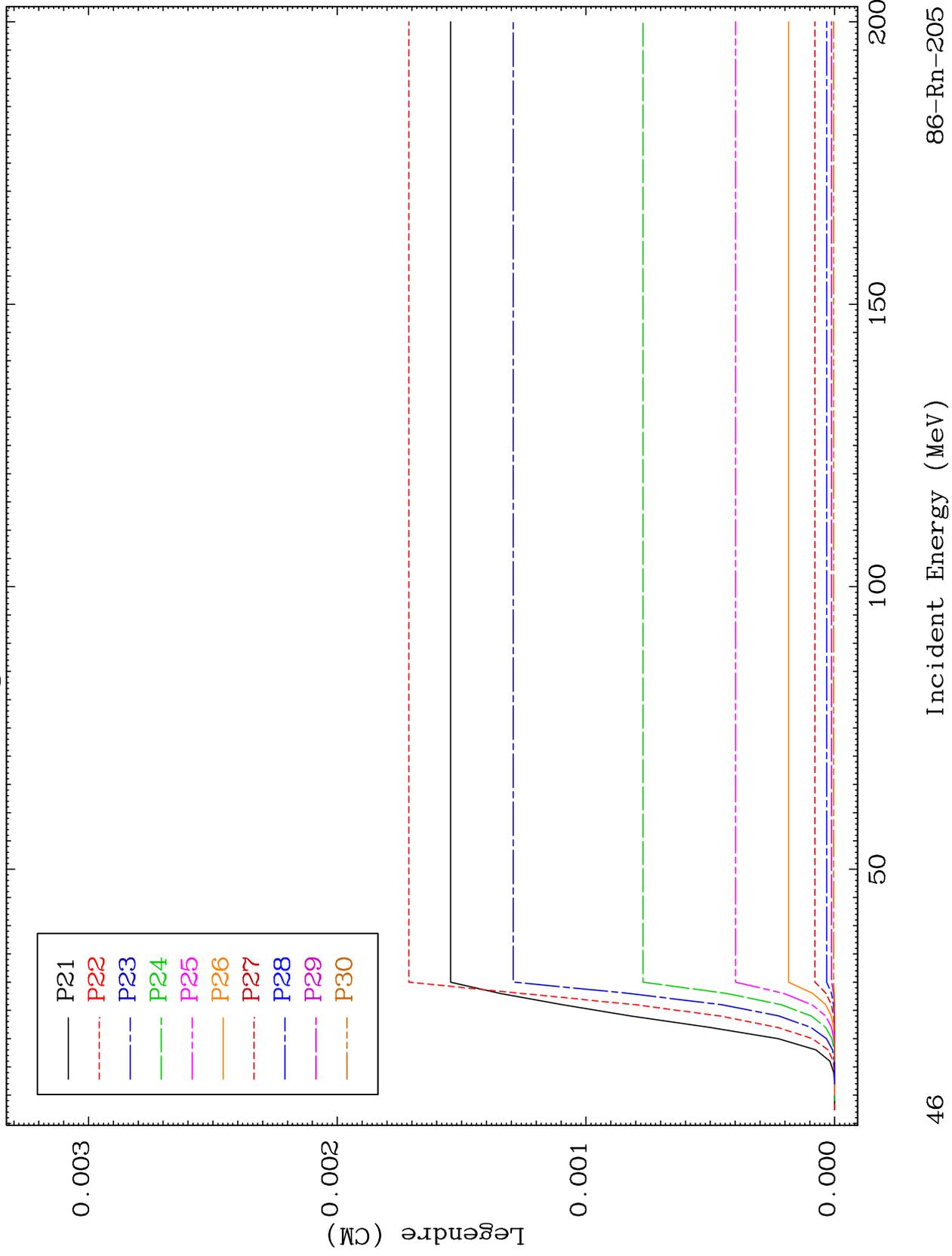
Incident Energy (MeV)

45

MAT 8607

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

86-Rn-205



46

Incident Energy (MeV)

86-Rn-205

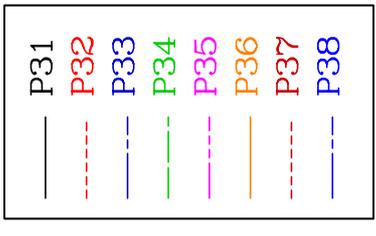
MAT 8607

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

86-Rn-205

$\times 10^{-6}$   
1.5

Legendre (CM)



0.0

50

100

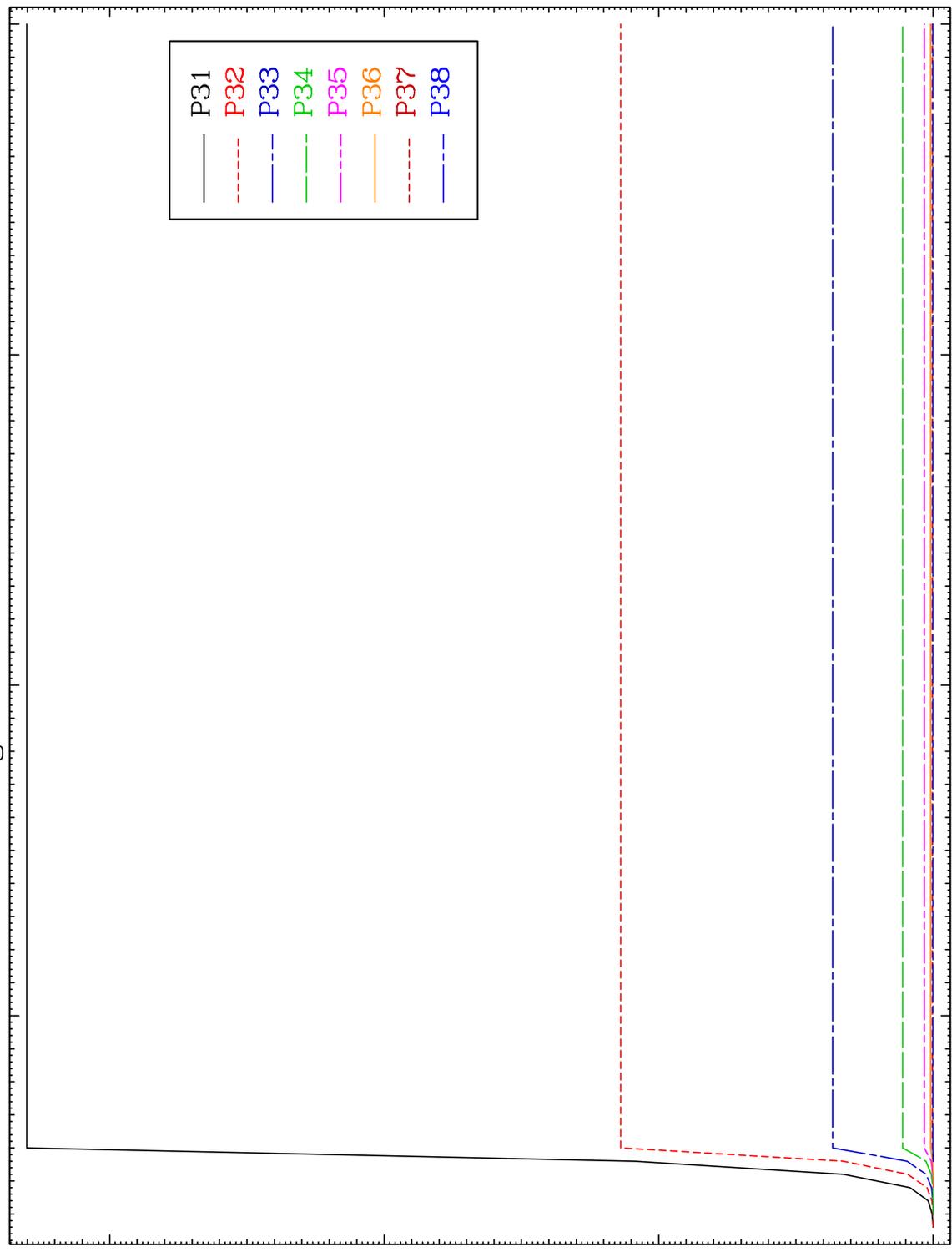
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200

47

Incident Energy (MeV)

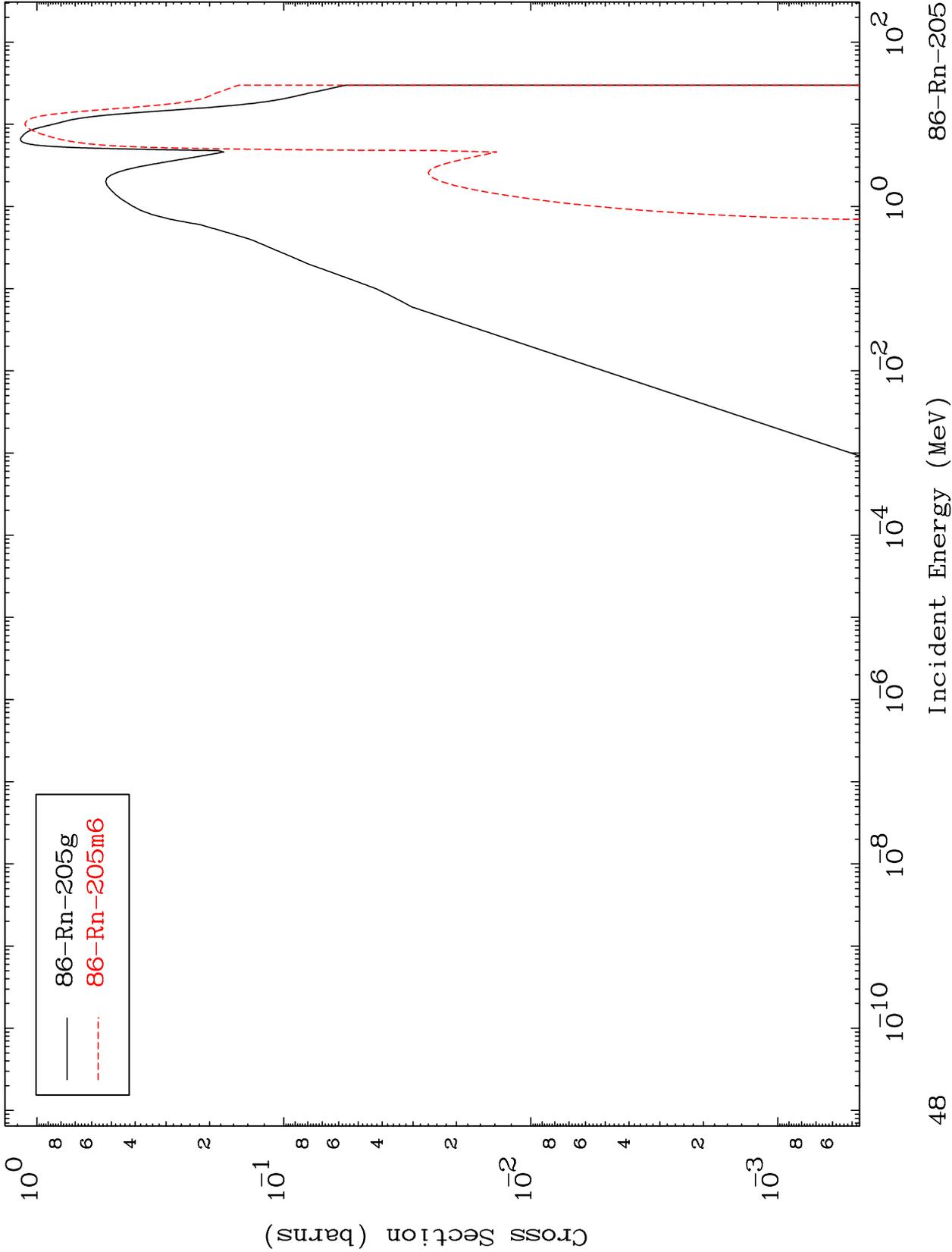
86-Rn-205



MAT 8607

Inelastic  
Radionuclide Production Cross Section

86-Rn-205

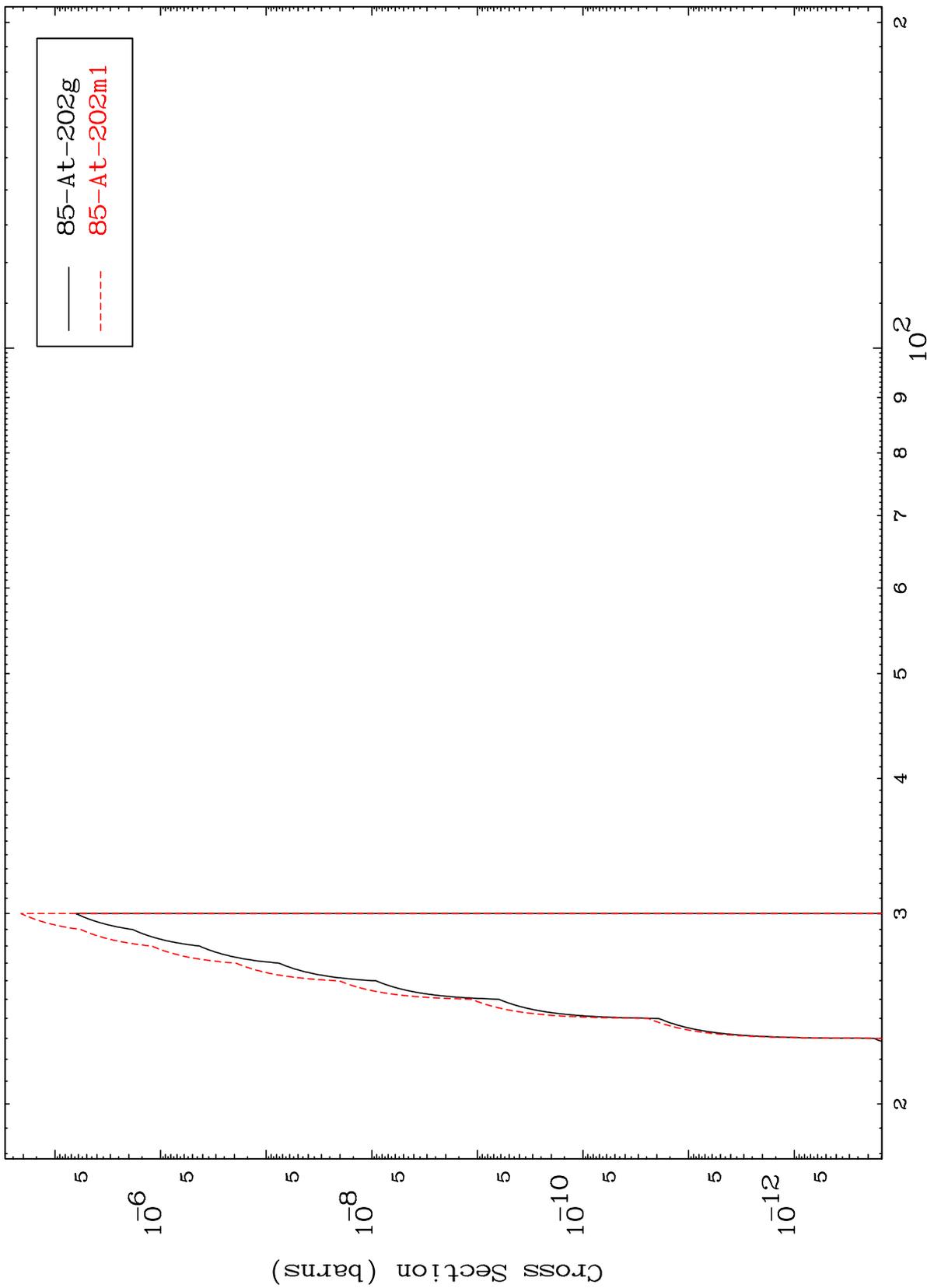


MAT 8607

(n,2n) d

86-Rn-205

Radionuclide Production Cross Section



49

Incident Energy (MeV)

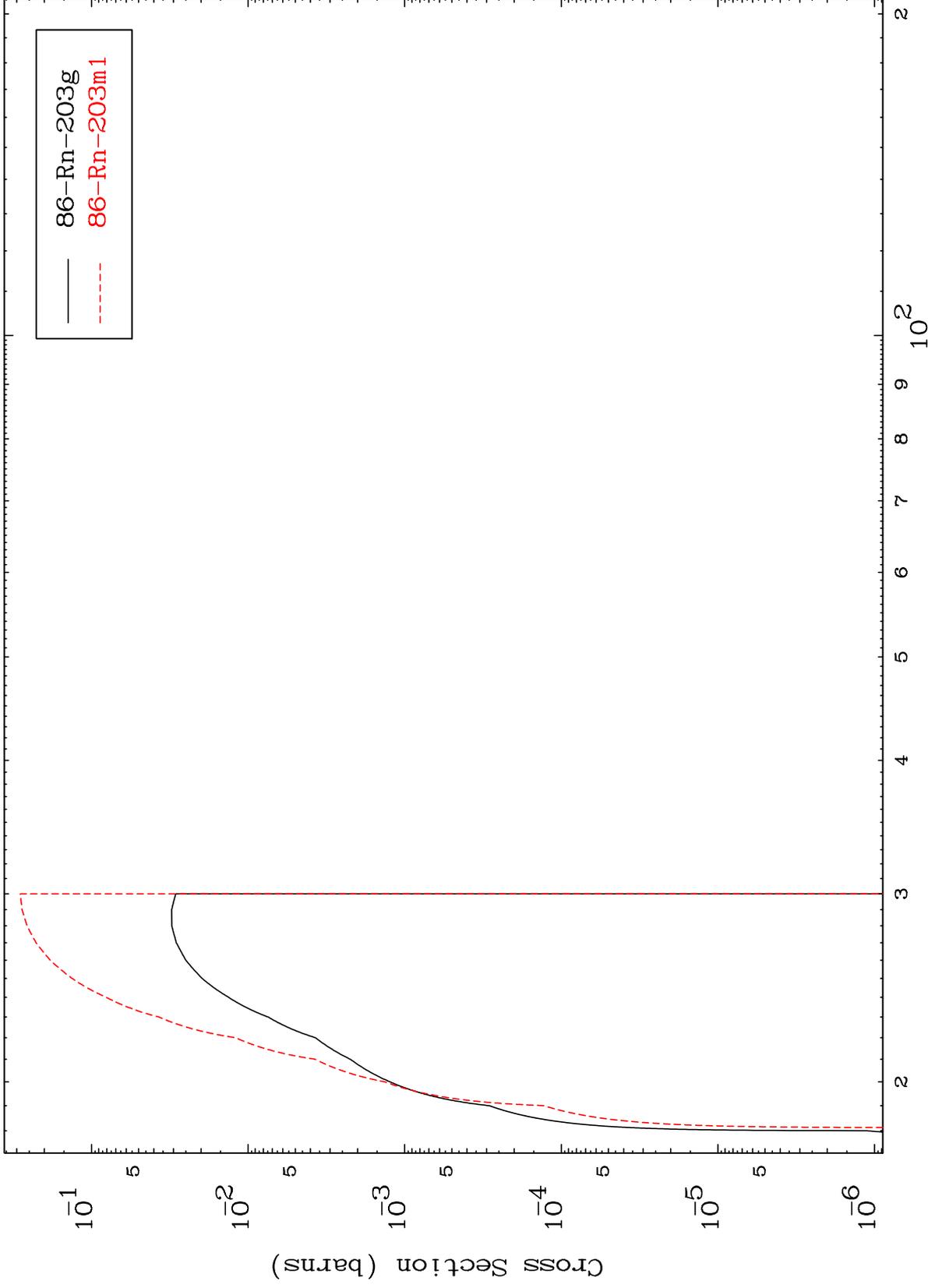
86-Rn-205

MAT 8607

(n,3n)

86-Rn-205

Radionuclide Production Cross Section



50

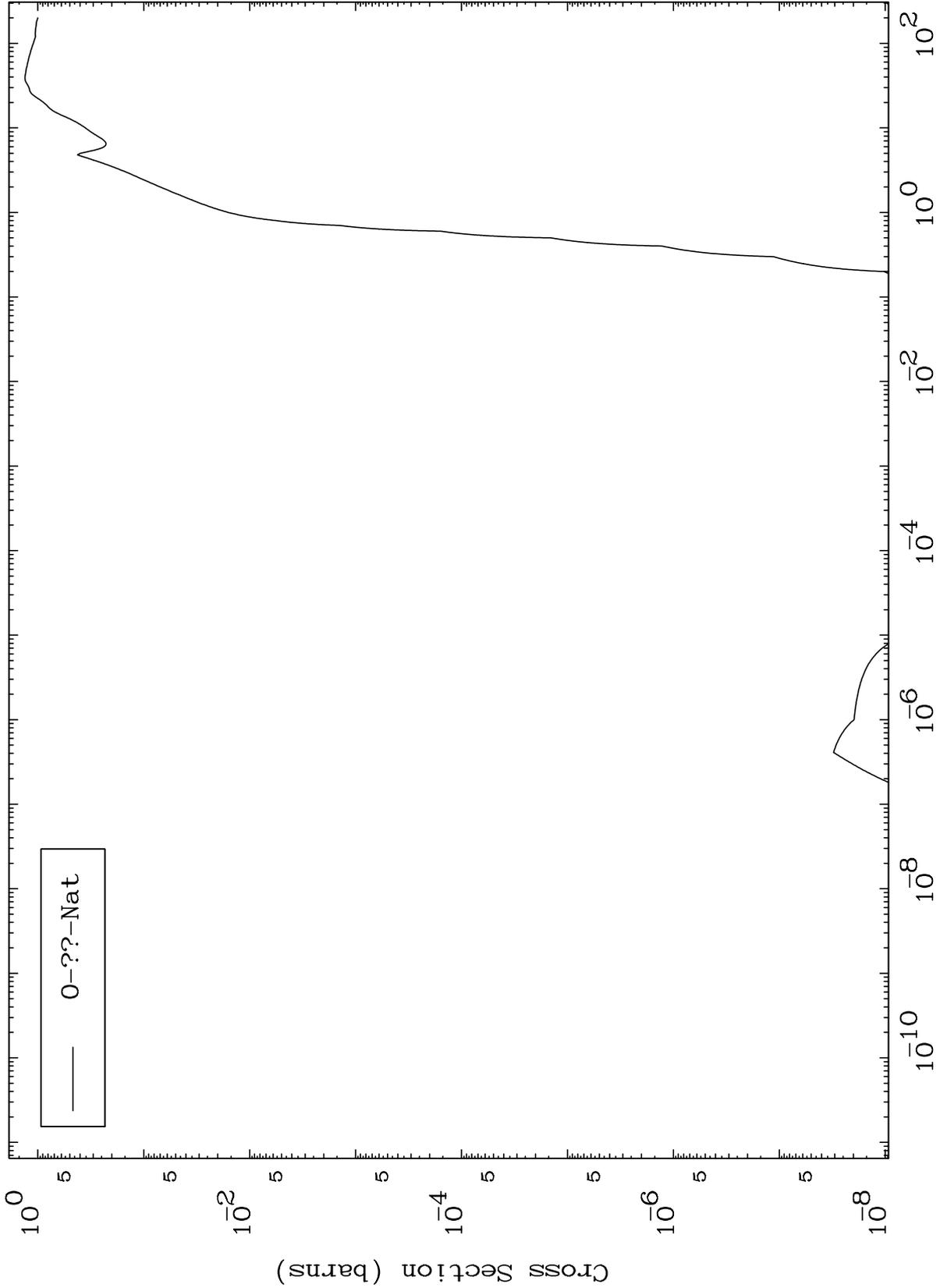
Incident Energy (MeV)

86-Rn-205

MAT 8607

Fission  
Radionuclide Production Cross Section

86-Rn-205



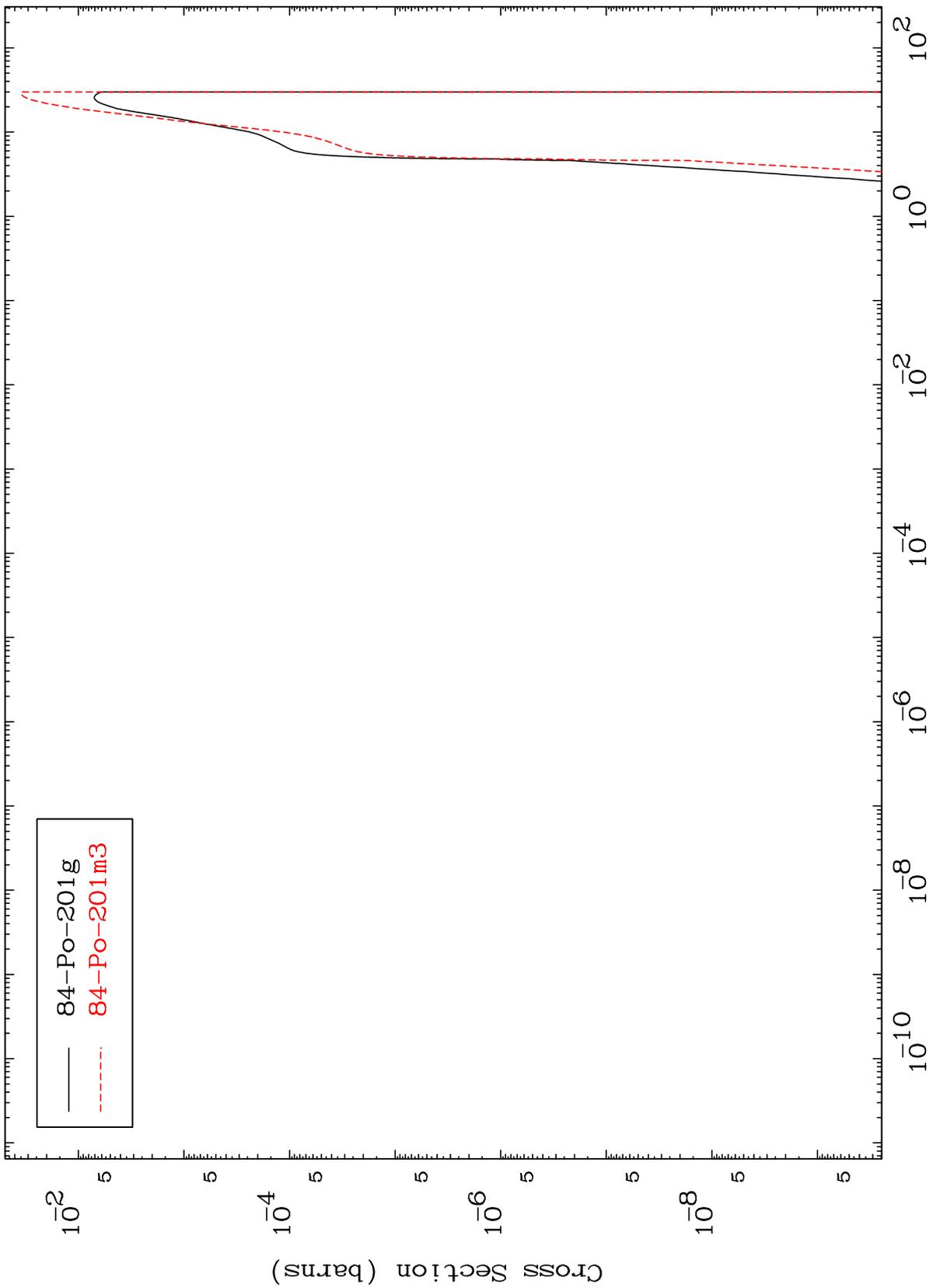
86-Rn-205

MAT 8607

$(n, n')$   $\alpha$

86-Rn-205

Radionuclide Production Cross Section



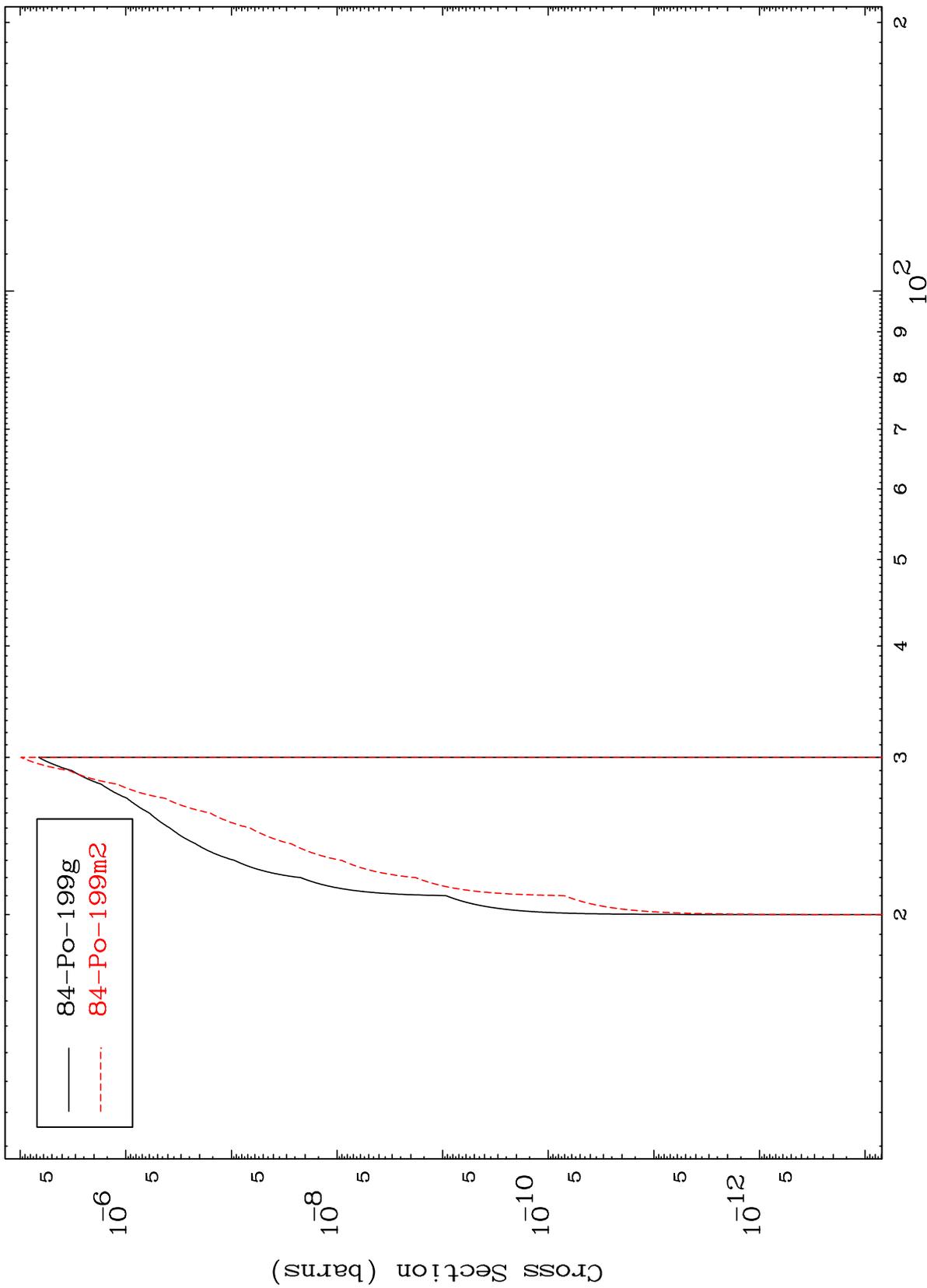
— 84-Po-201g  
- - - 84-Po-201m3

MAT 8607

(n,3n)  $\alpha$

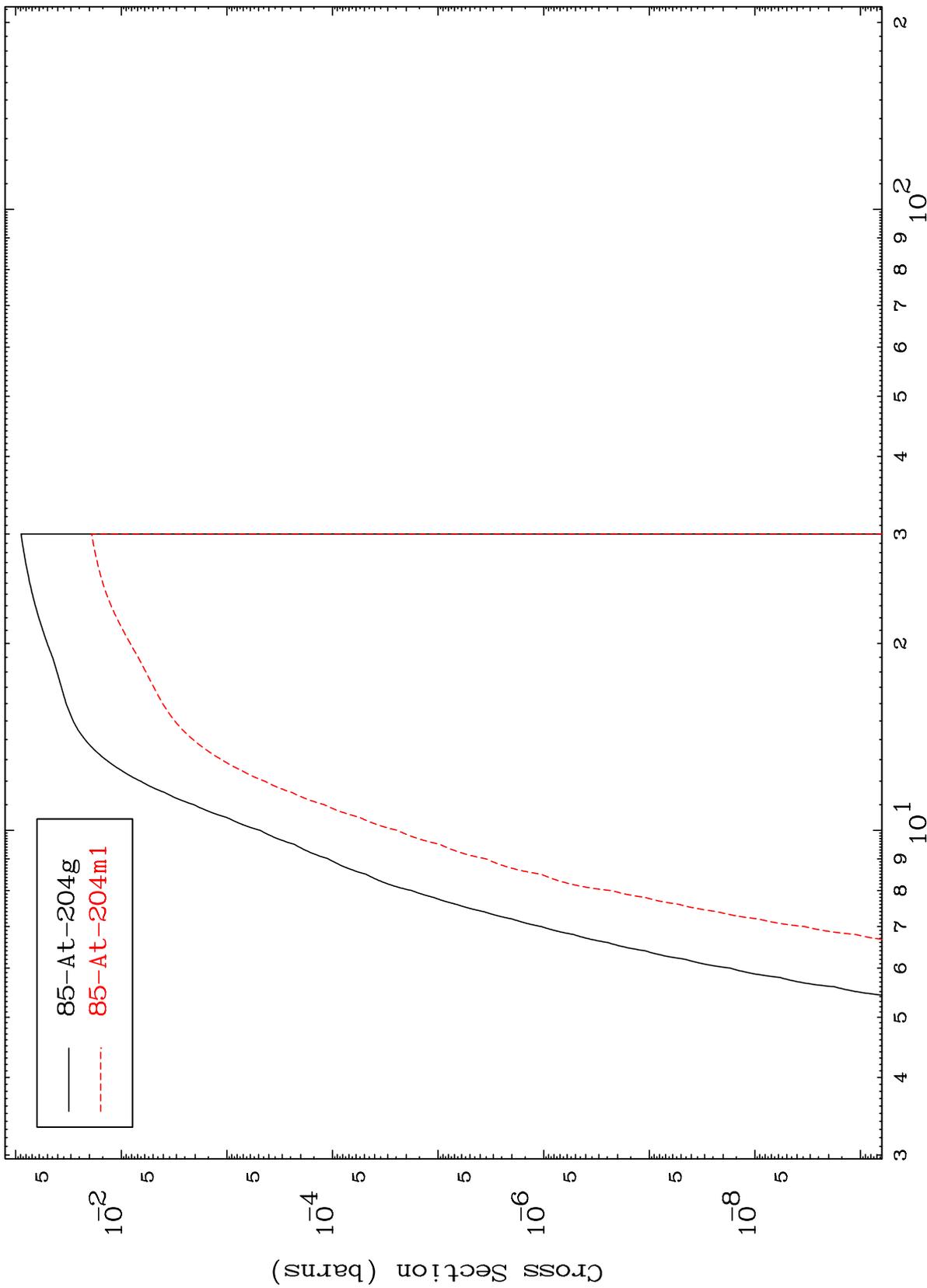
86-Rn-205

Radionuclide Production Cross Section



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

(n,n') p  
Radionuclide Production Cross Section

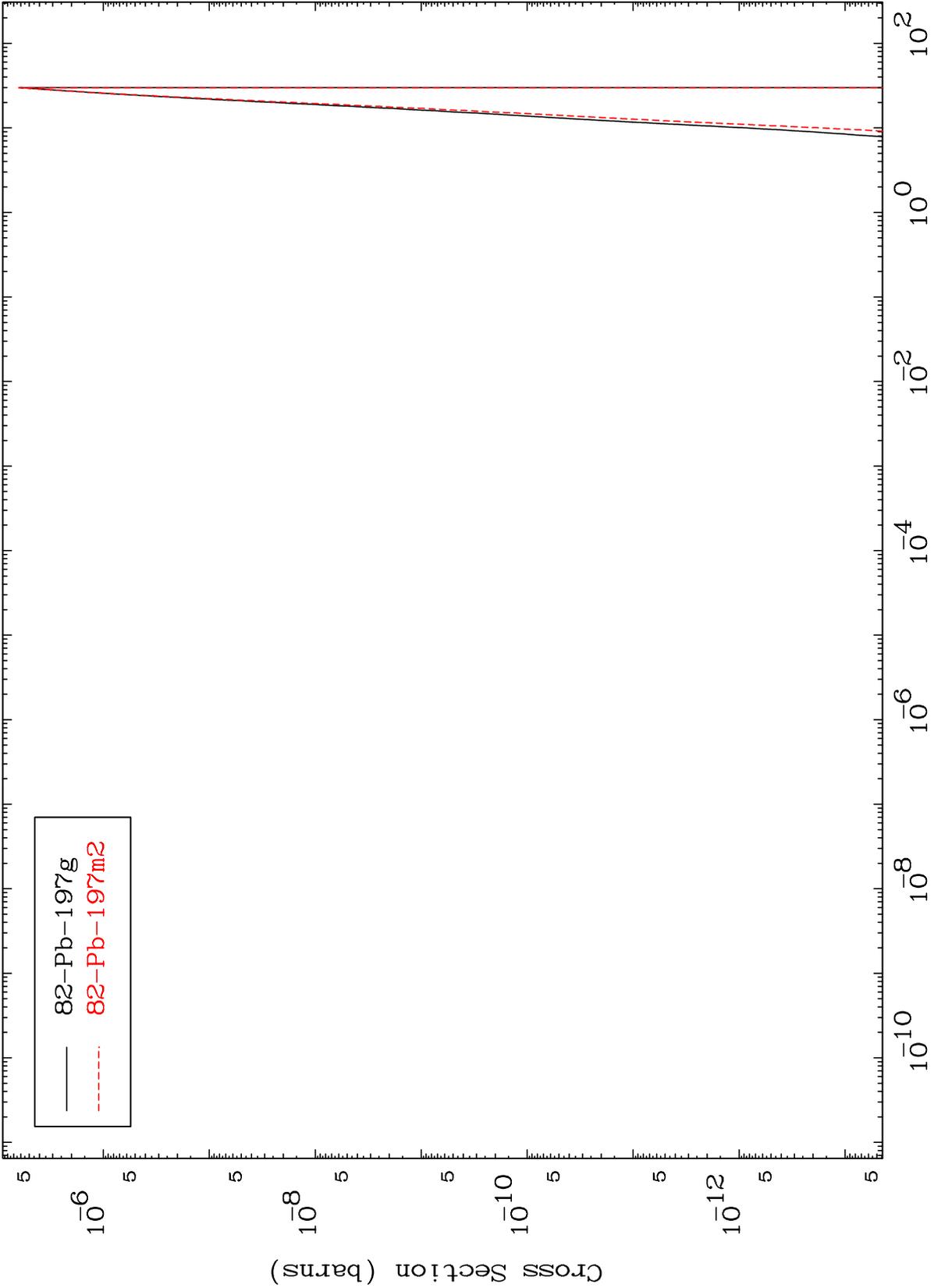


MAT 8607

(n,n') 2α

86-Rn-205

Radionuclide Production Cross Section

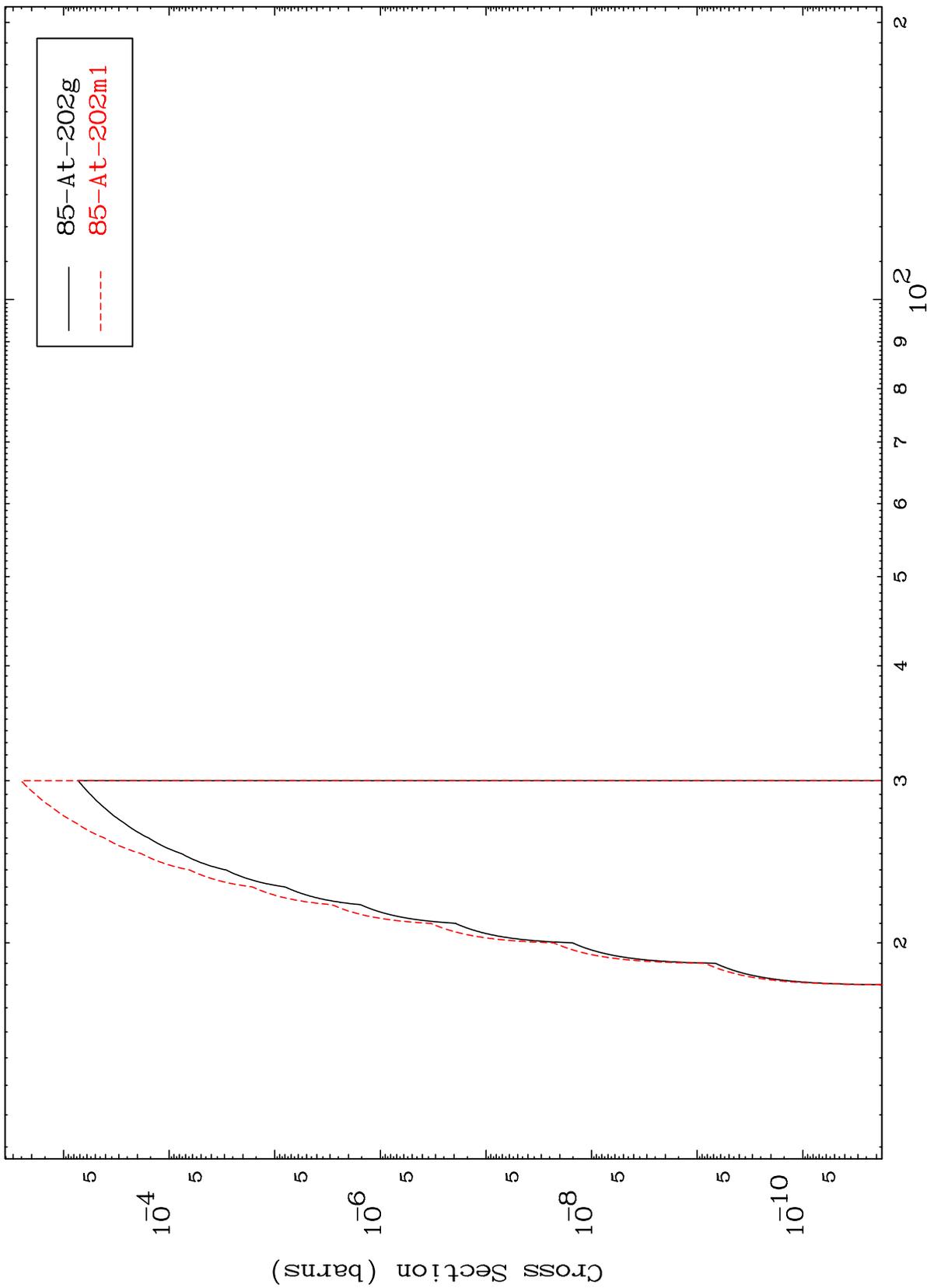


55

Incident Energy (MeV)

86-Rn-205

Radionuclide Production Cross Section

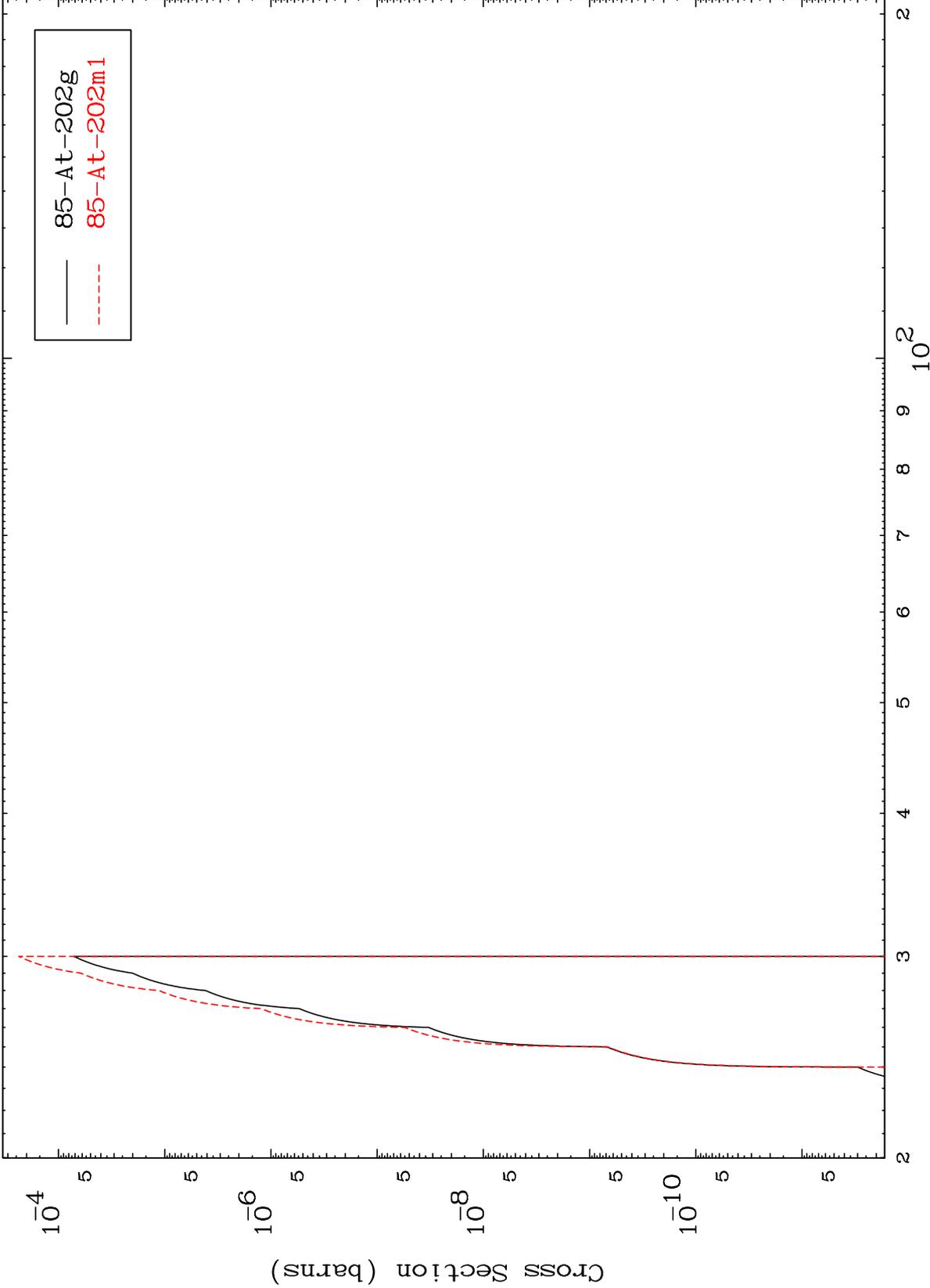


MAT 8607

(n,3n) p

86-Rn-205

Radionuclide Production Cross Section



57

Incident Energy (MeV)

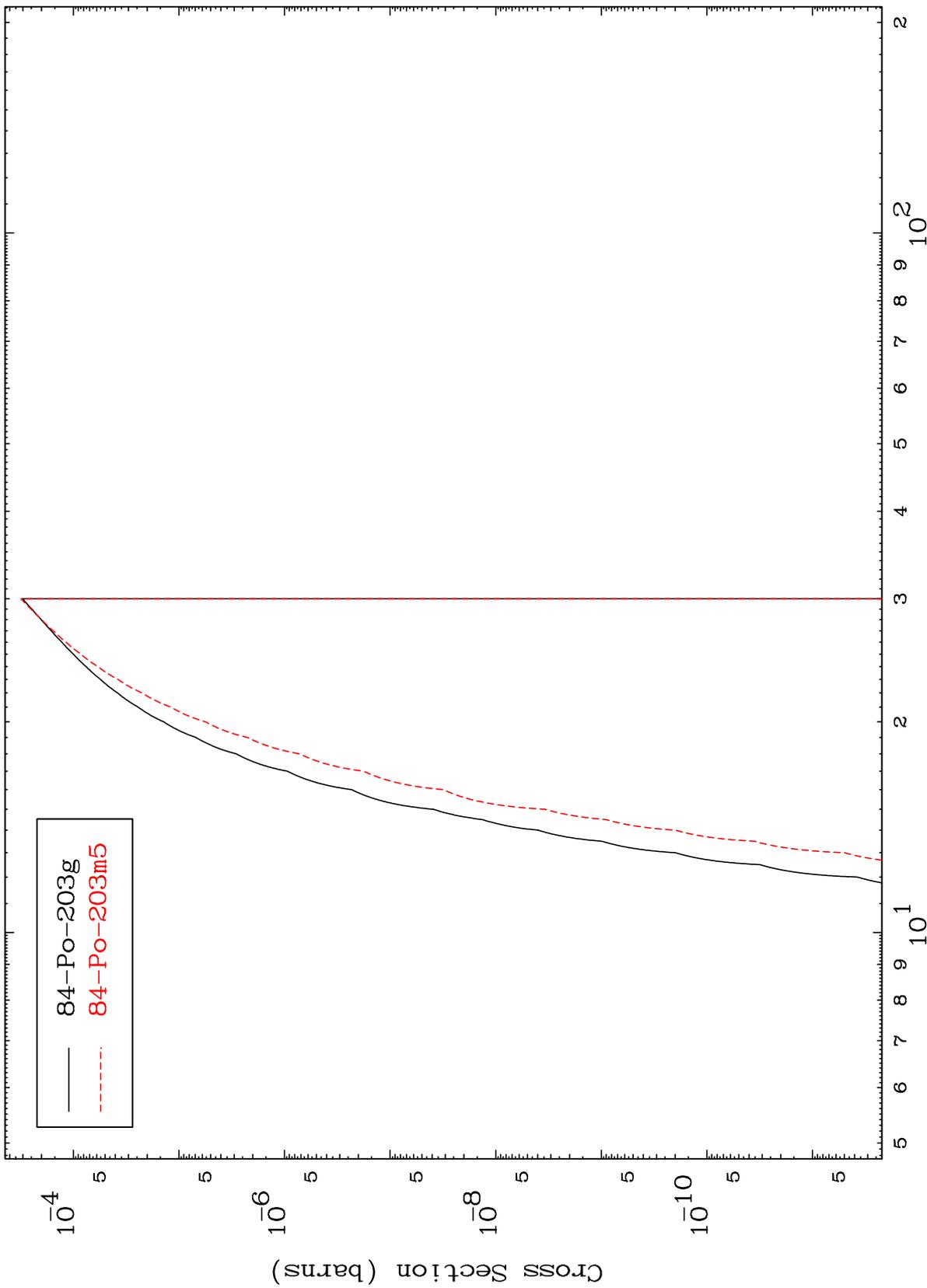
86-Rn-205

MAT 8607

(n,2n) p

86-Rn-205

Radionuclide Production Cross Section



58

Incident Energy (MeV)

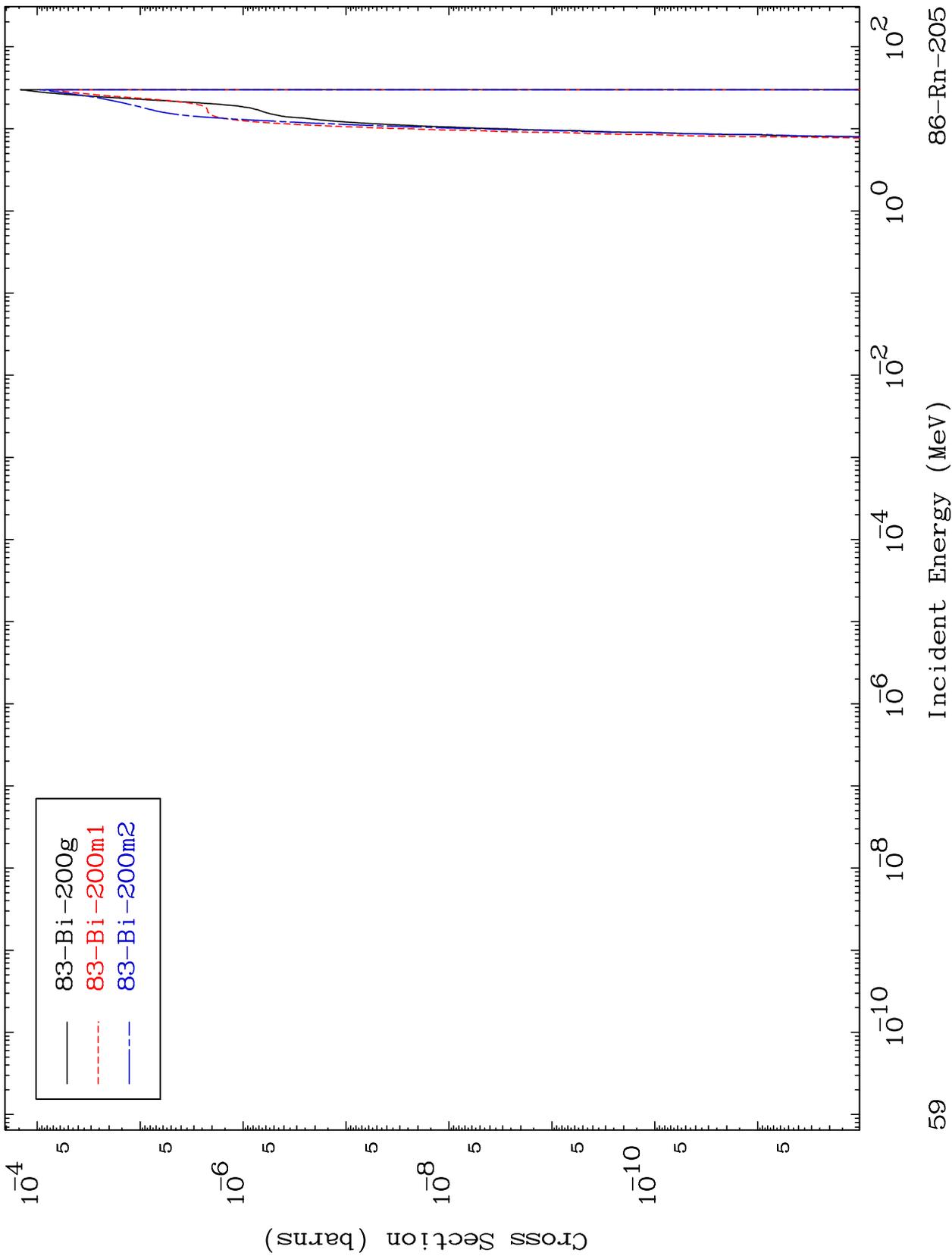
86-Rn-205

MAT 8607

(n,n') p  $\alpha$

86-Rn-205

Radionuclide Production Cross Section

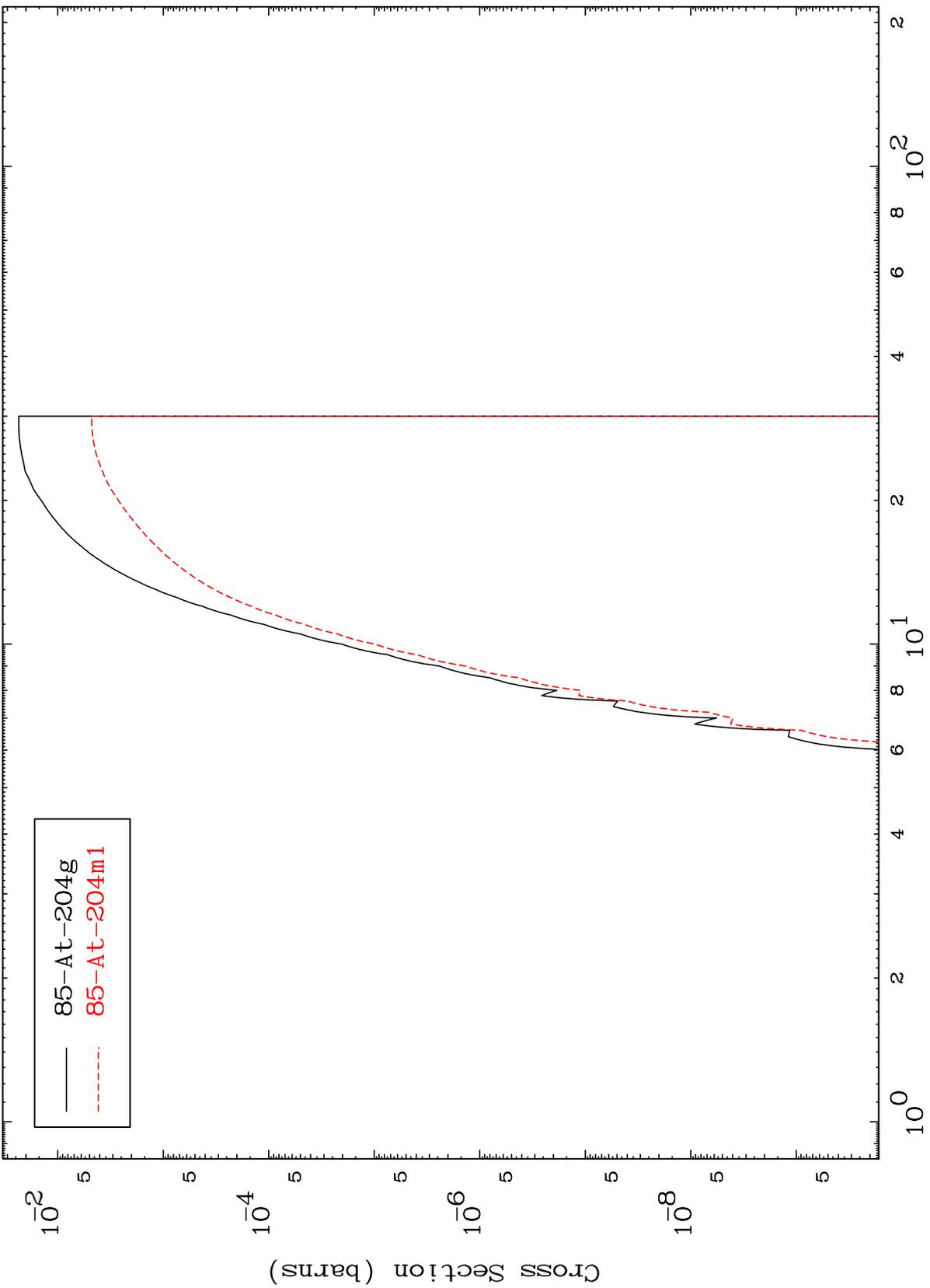
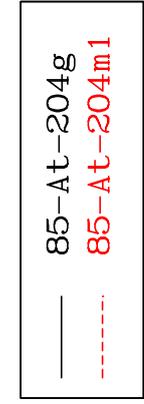


MAT 8607

(n,d)

86-Rn-205

Radionuclide Production Cross Section



86-Rn-205

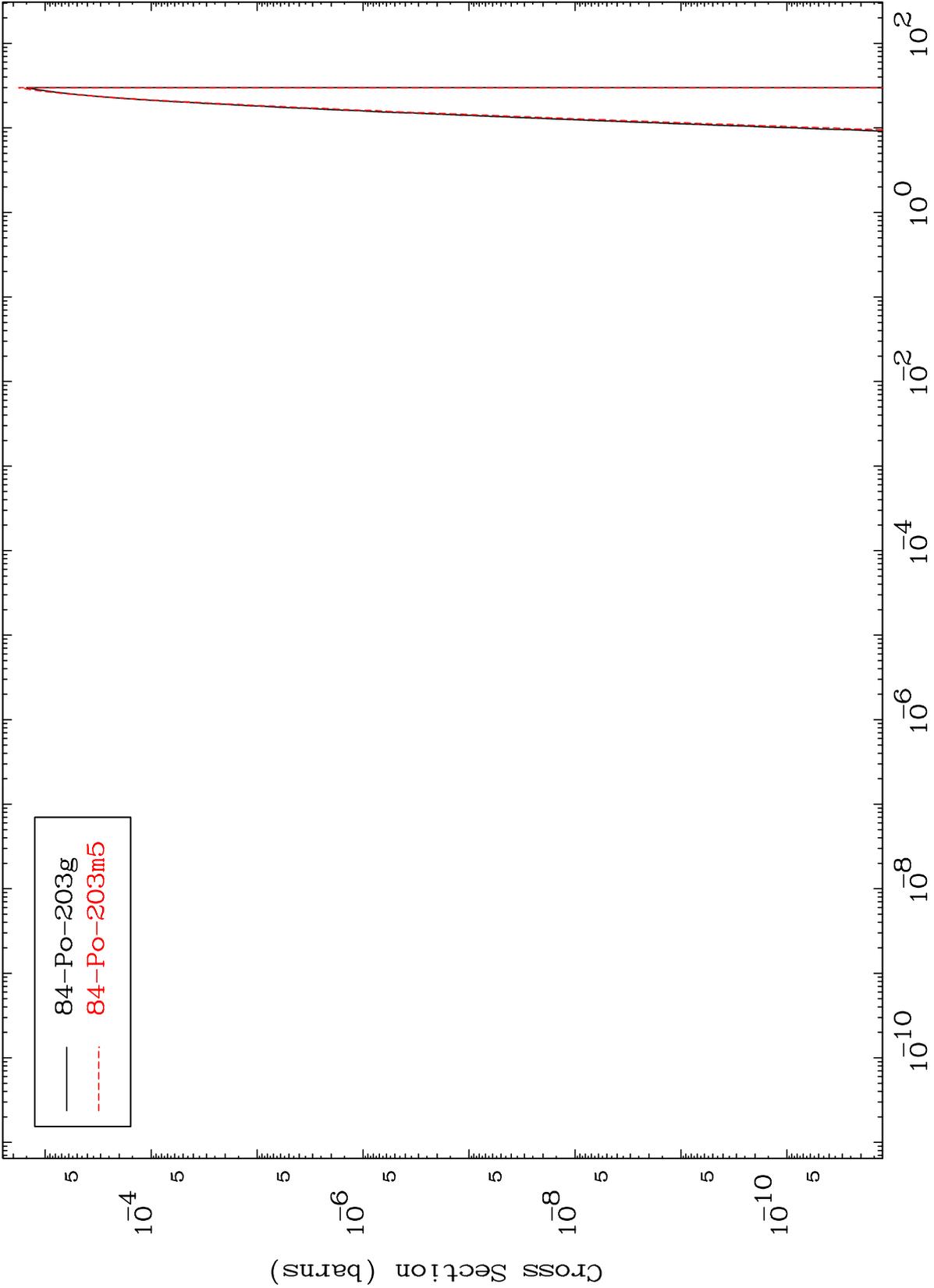
86-Rn-205

MAT 8607

(n,He-3)

86-Rn-205

Radionuclide Production Cross Section



61

Incident Energy (MeV)

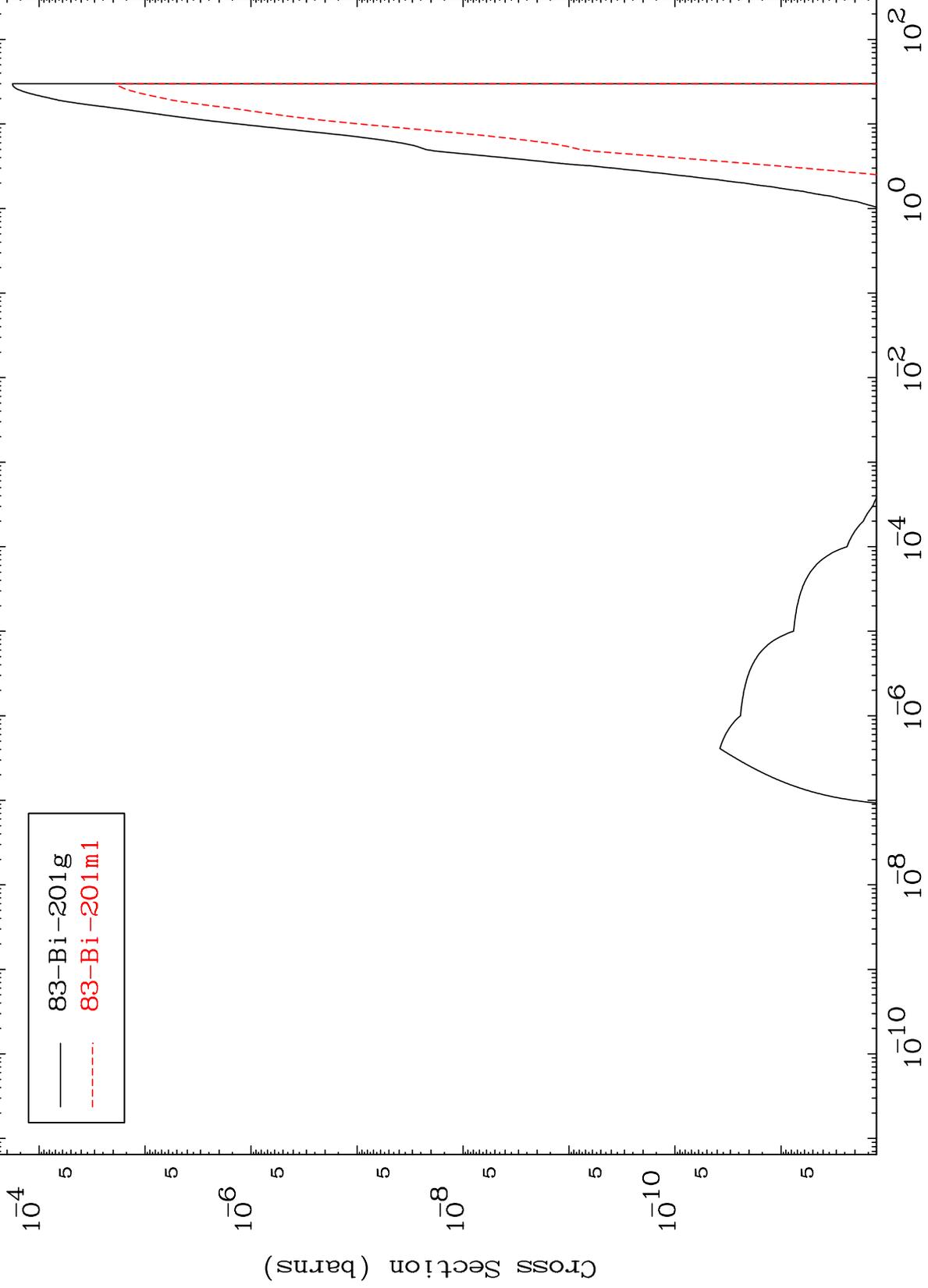
86-Rn-205

MAT 8607

(n,p)  $\alpha$

86-Rn-205

Radionuclide Production Cross Section



62

Incident Energy (MeV)

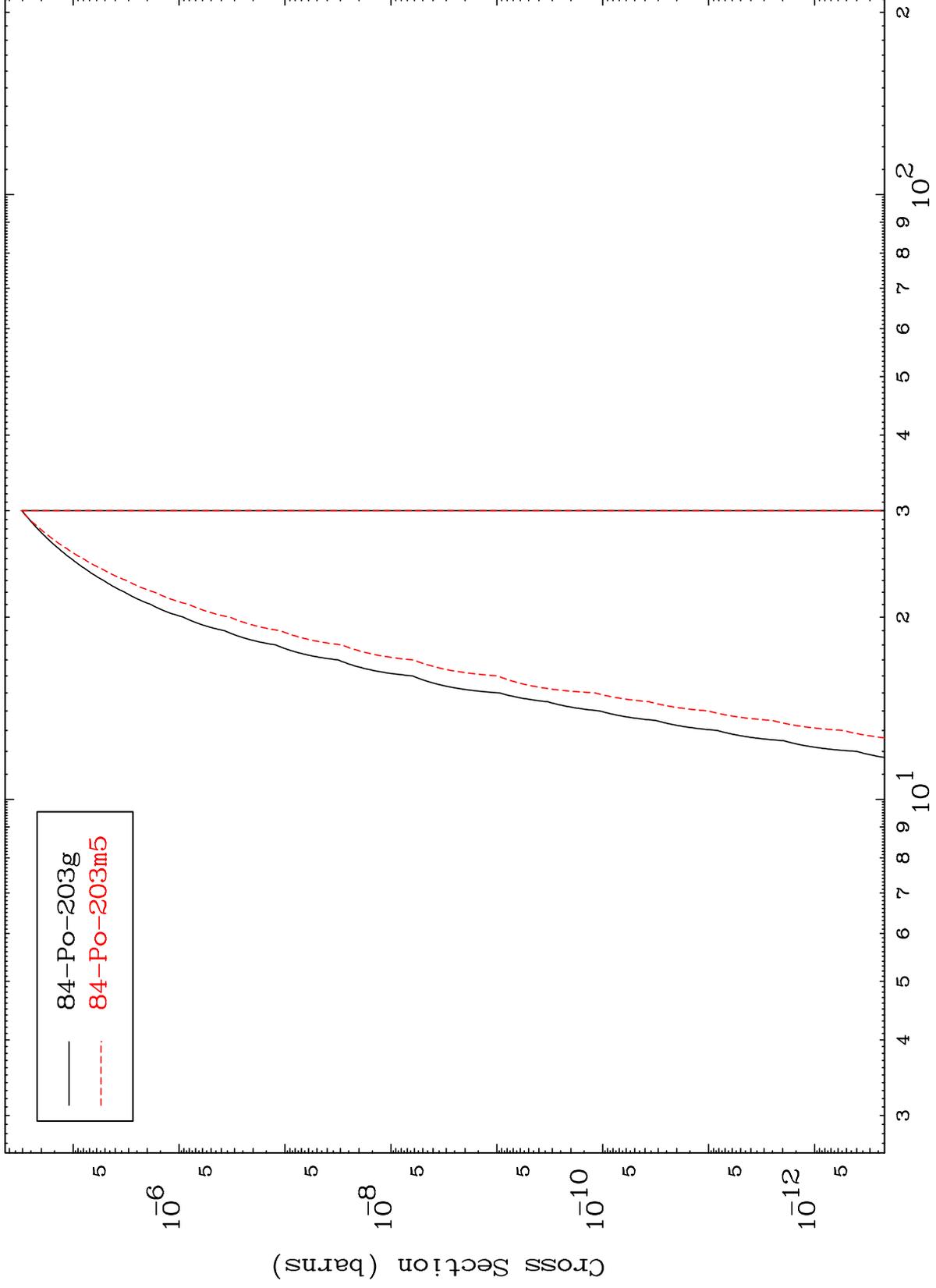
86-Rn-205

MAT 8607

(n,p) d

86-Rn-205

Radionuclide Production Cross Section



63

Incident Energy (MeV)

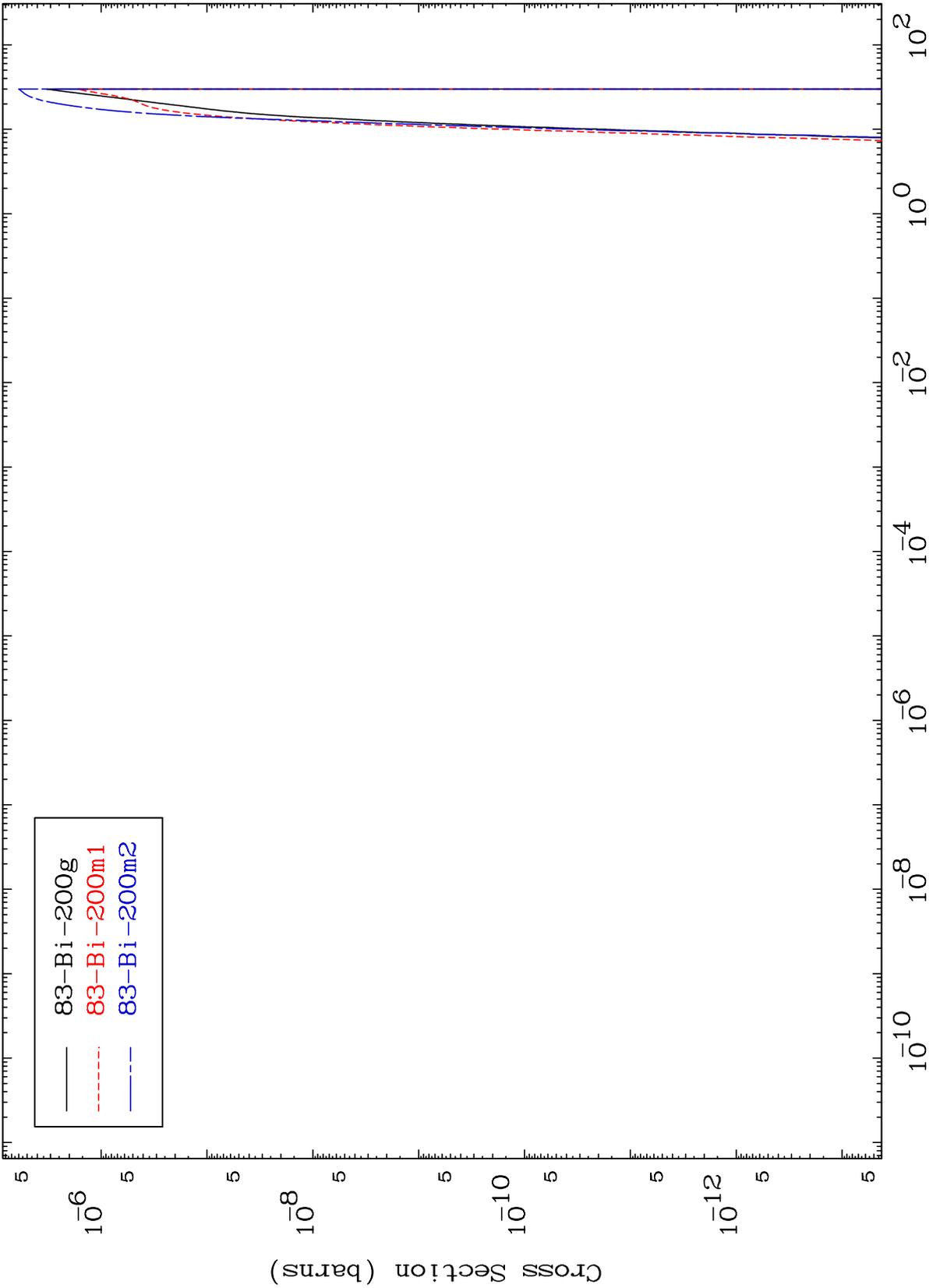
86-Rn-205

MAT 8607

(n,d)  $\alpha$

86-Rn-205

Radionuclide Production Cross Section



64

Incident Energy (MeV)

86-Rn-205