

Program EVALPLOT  
(Version 2021-1)

by

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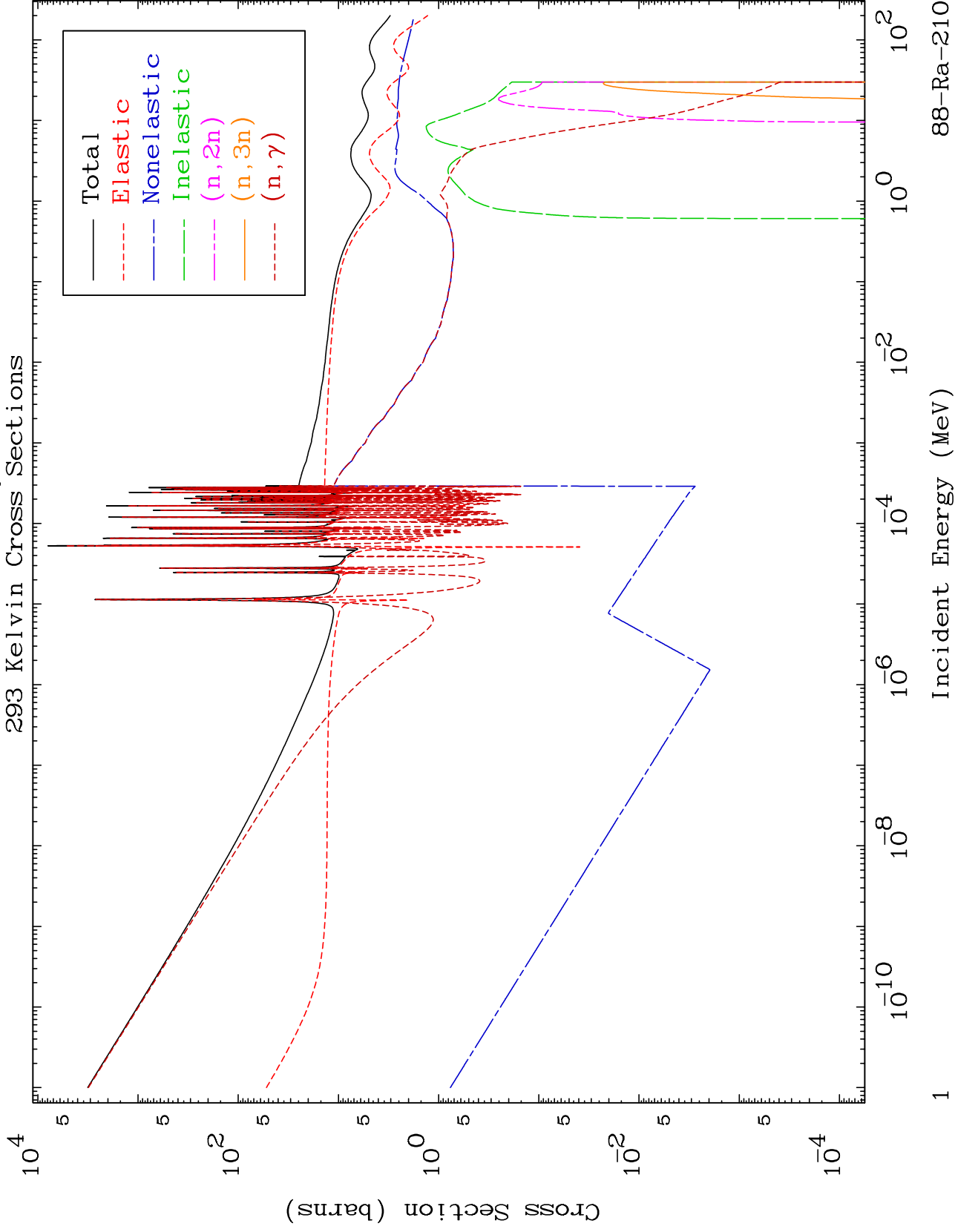
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8786

Neutron Major  
293 Kelvin Cross Sections

88-Ra-210



1

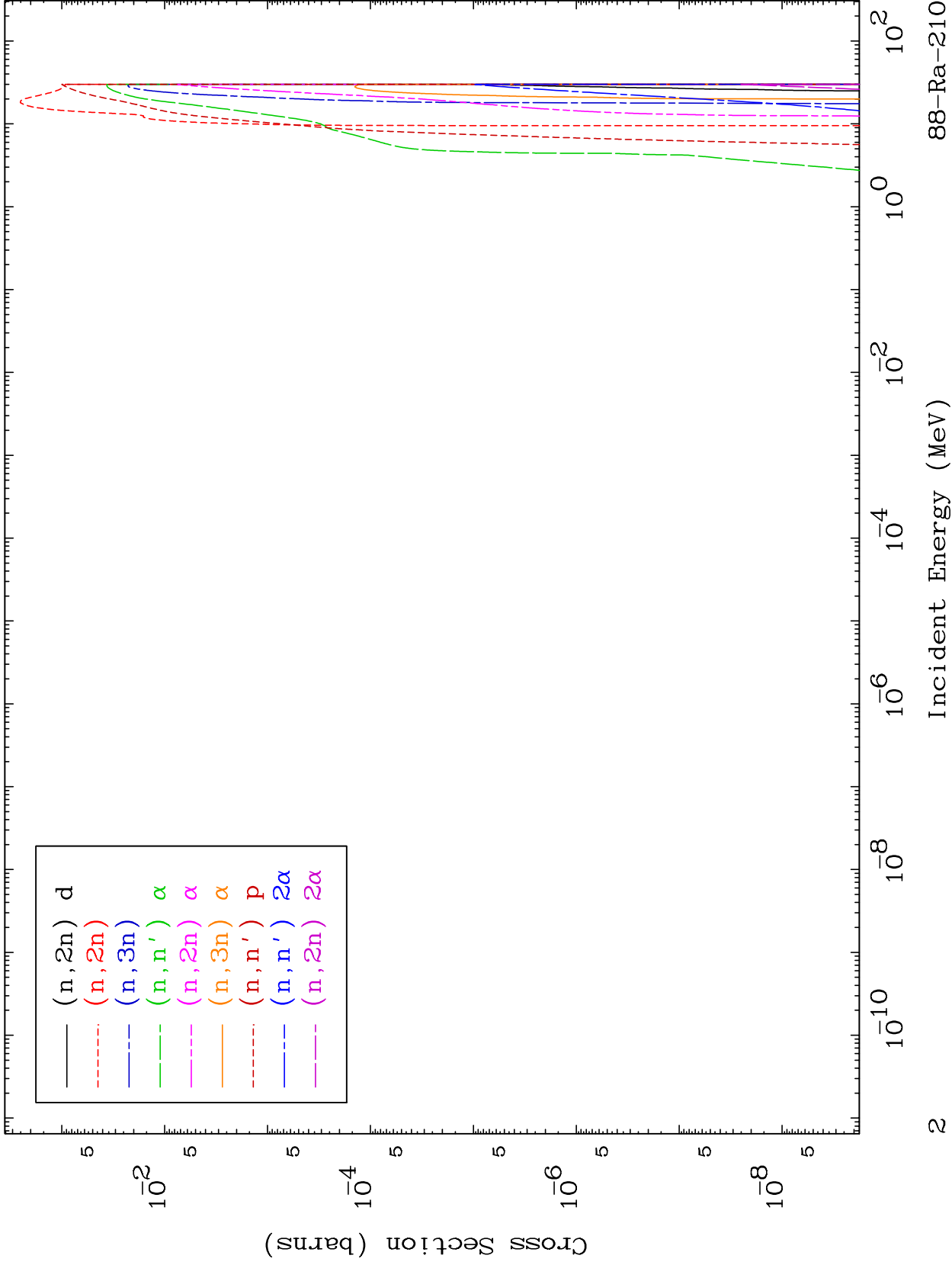
Incident Energy (MeV)

88-Ra-210

MAT 8786

Neutron Absorption  
293 Kelvin Cross Sections

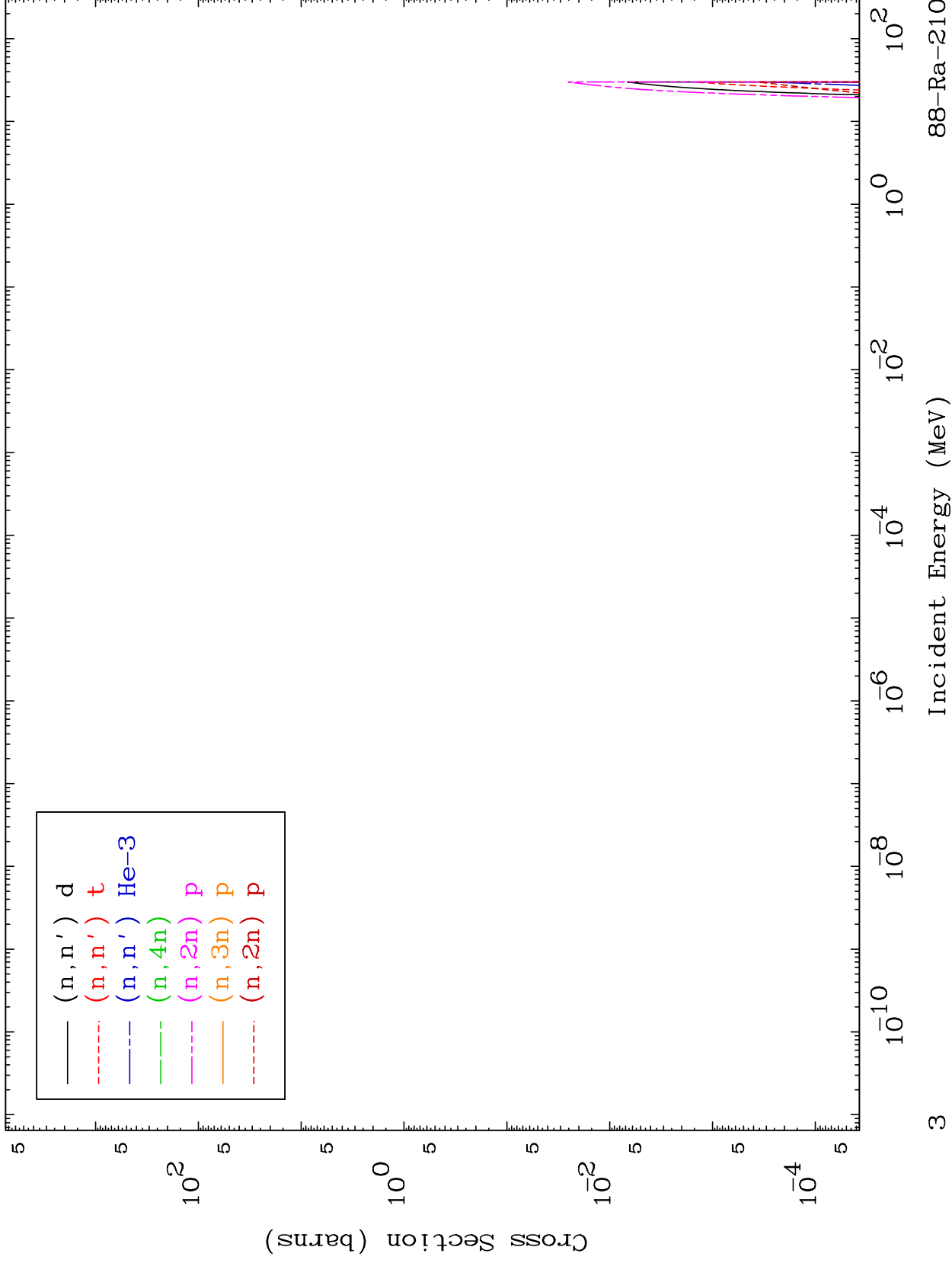
88-Ra-210

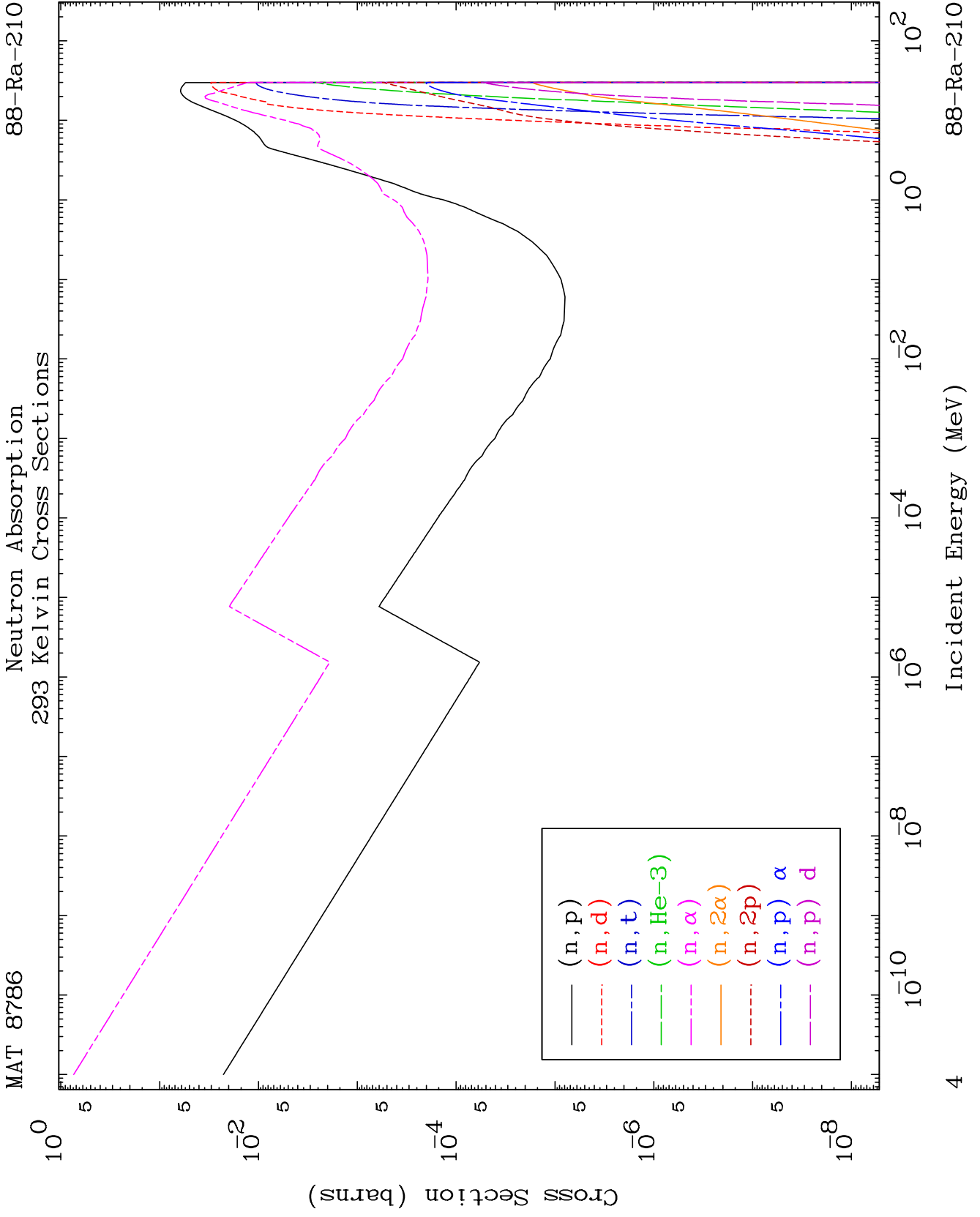


MAT 8786

Neutron Absorption  
293 Kelvin Cross Sections

88-Ra-210

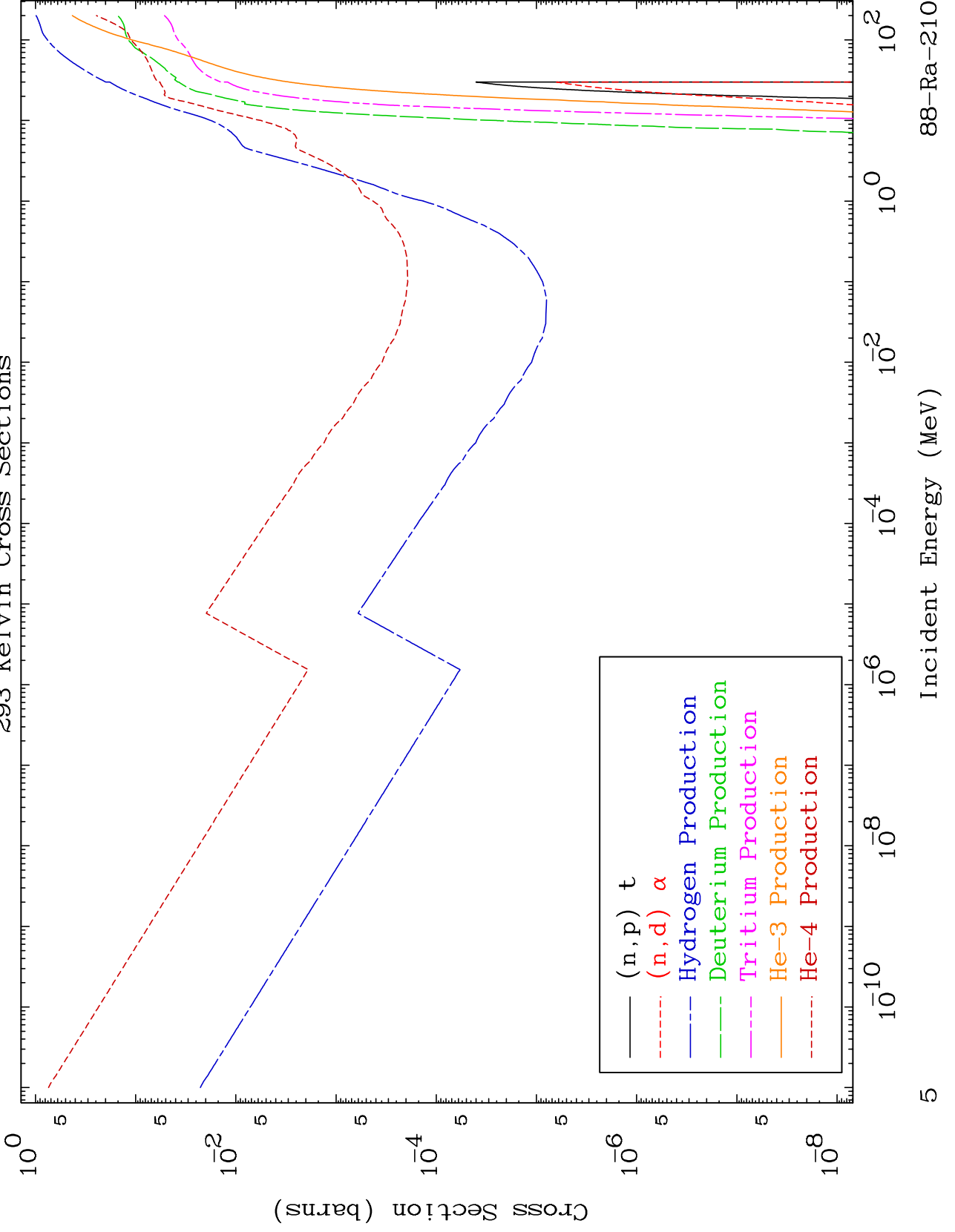




MAT 8786

Neutron Absorption  
293 Kelvin Cross Sections

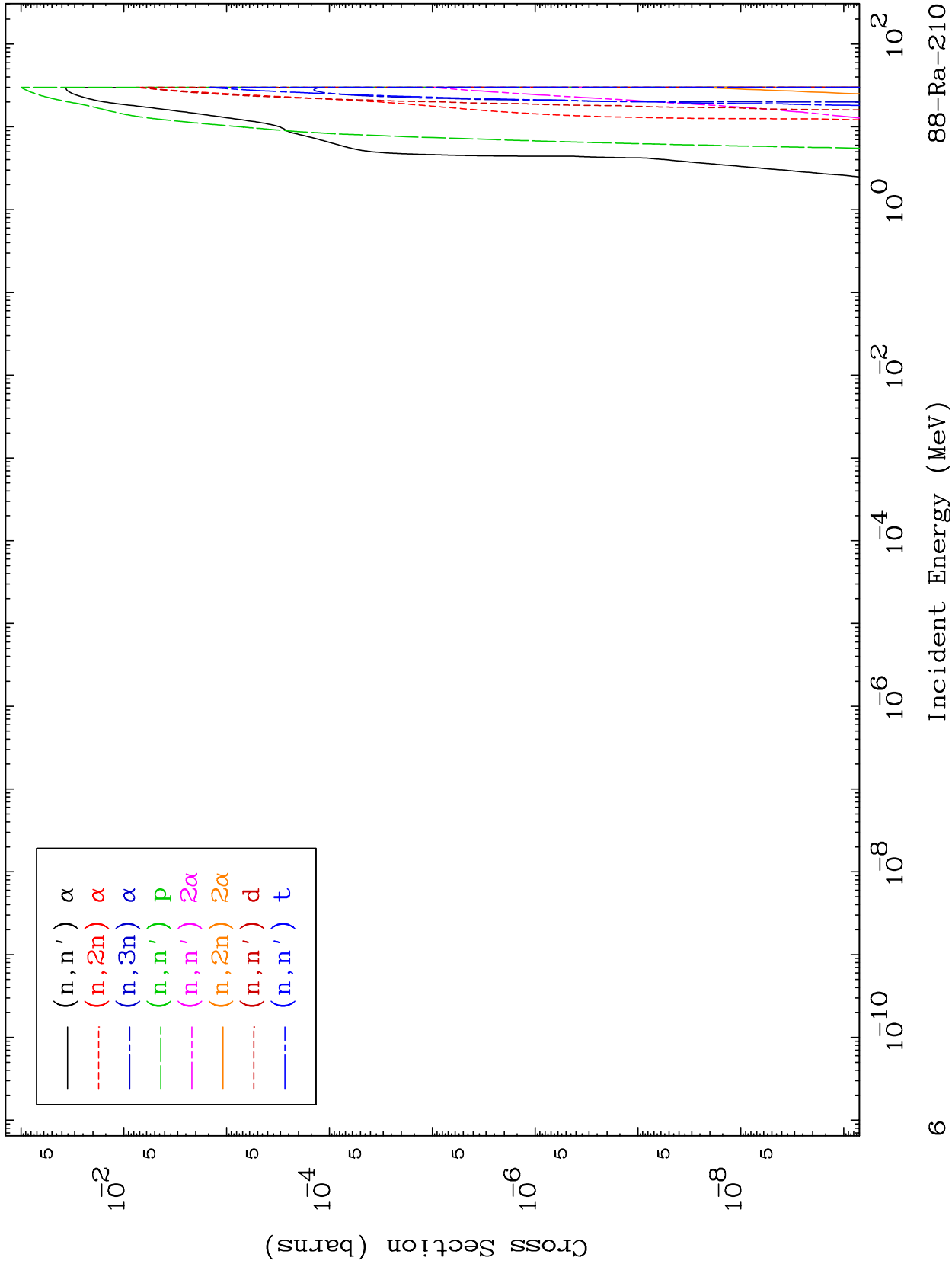
88-Ra-210



MAT 8786

Charged Particle  
293 Kelvin Cross Sections

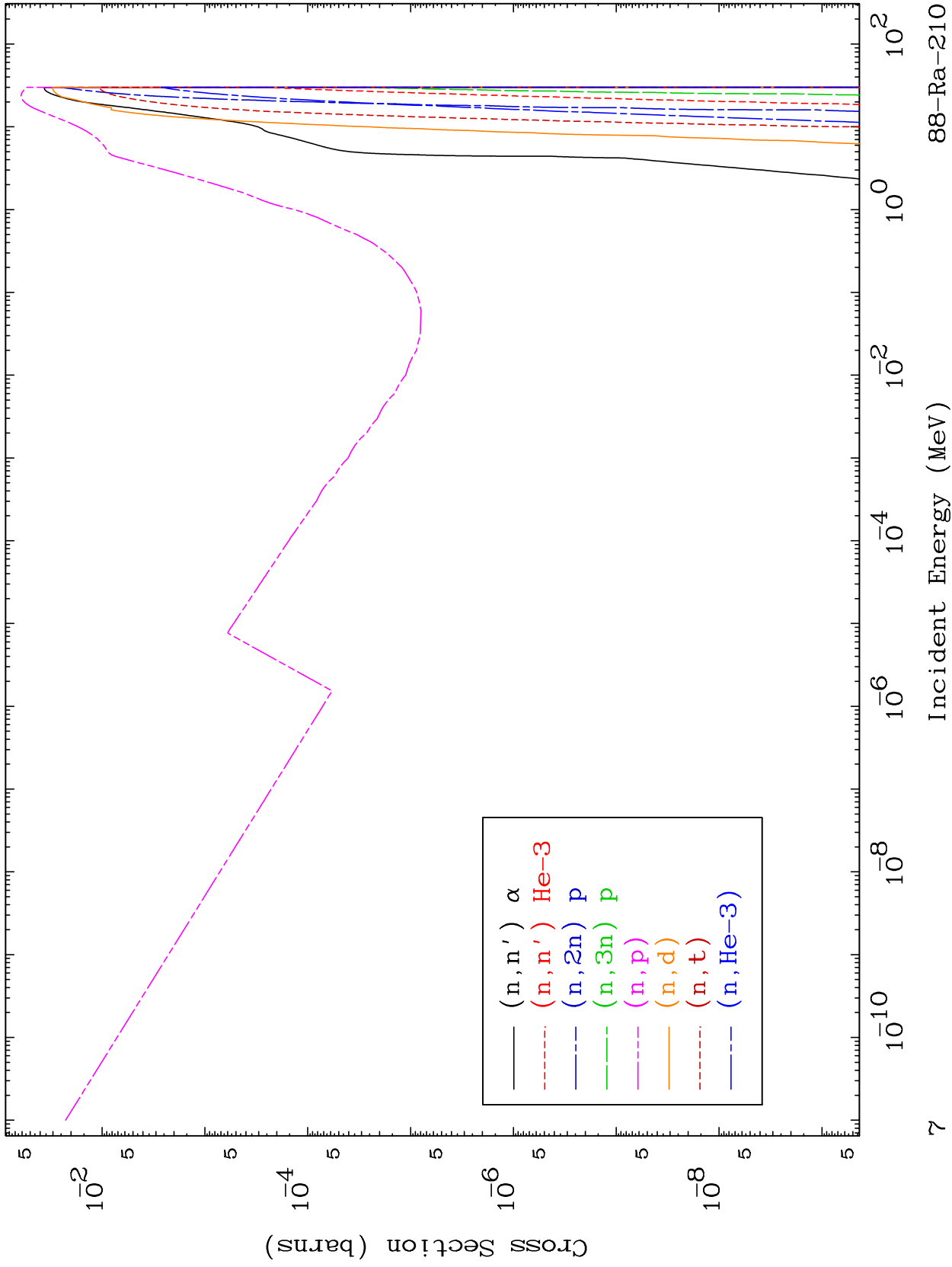
88-Ra-210



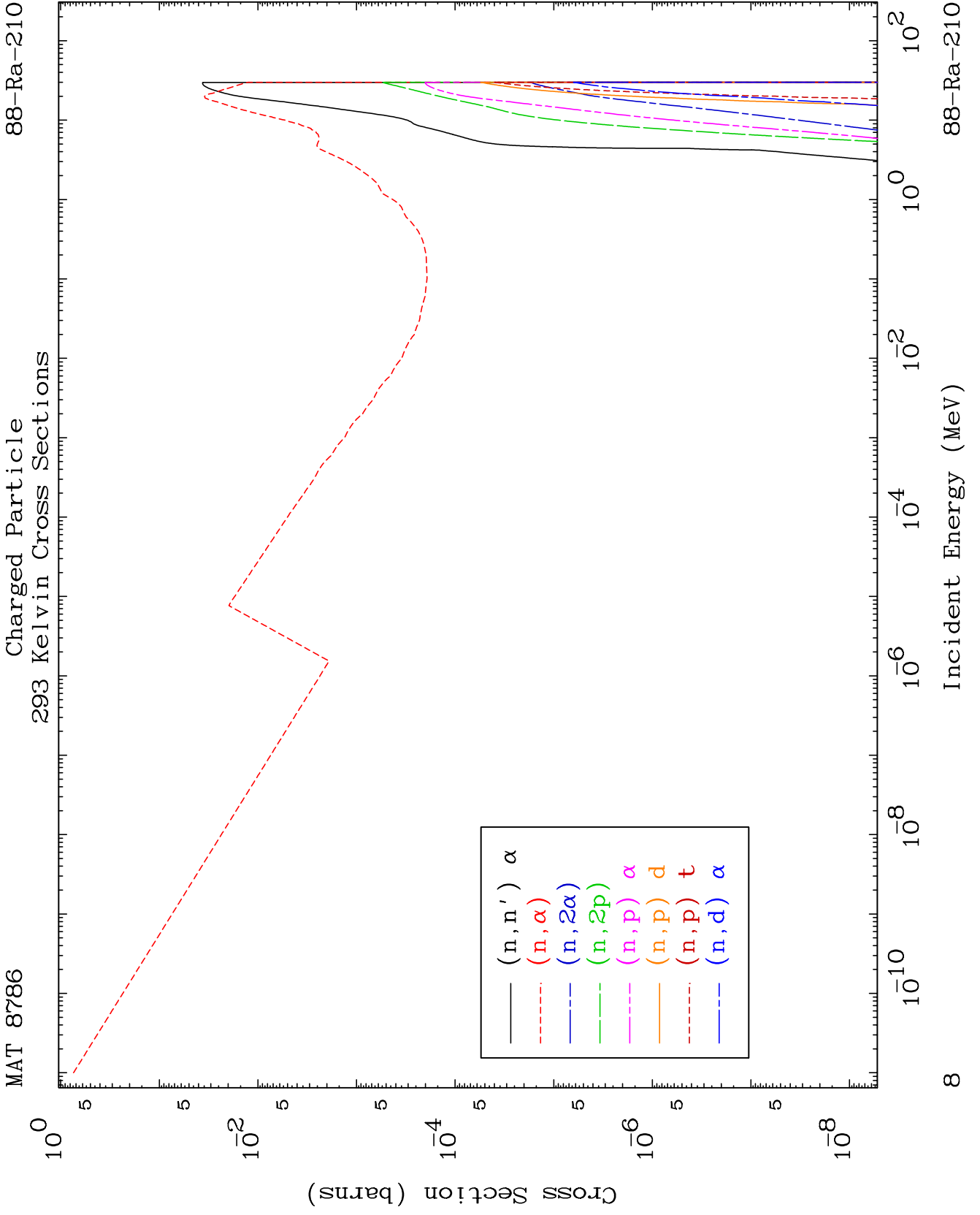
MAT 8786

Charged Particle  
293 Kelvin Cross Sections

88-Ra-210



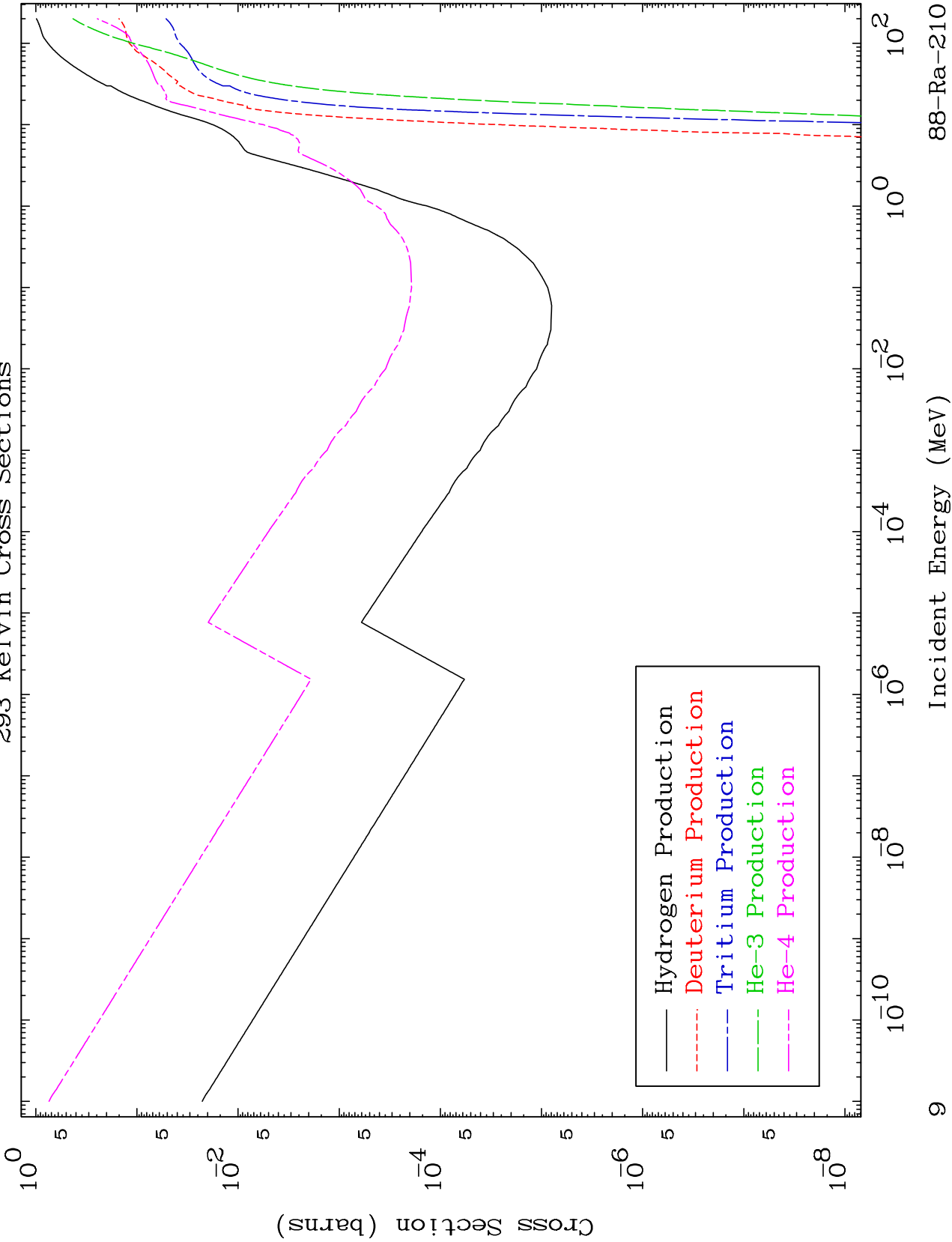




MAT 8786

Particle Production  
293 Kelvin Cross Sections

88-Ra-210

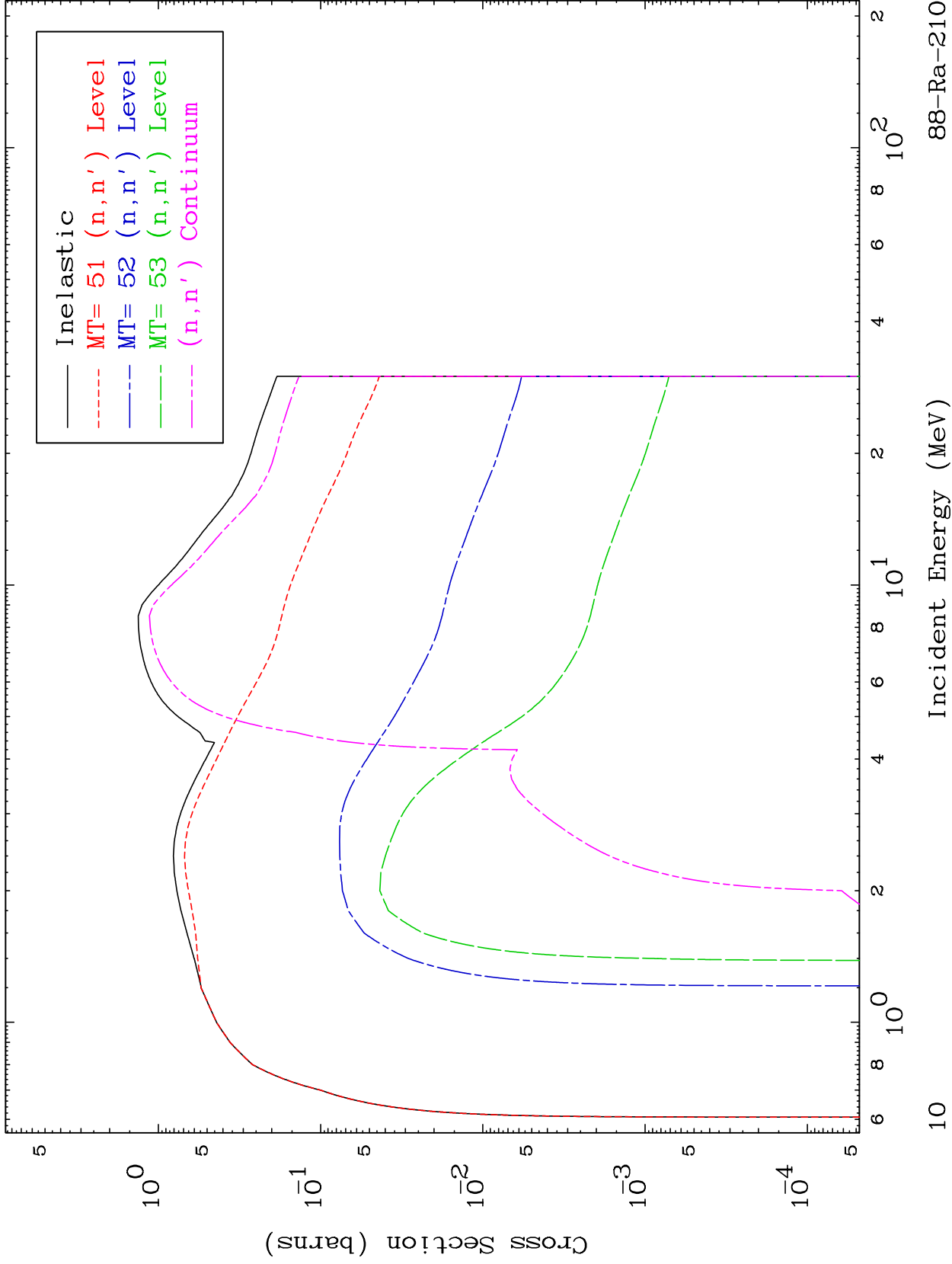


MAT 8786

(n,n') Levels

88-Ra-210

293 Kelvin Cross Sections



10

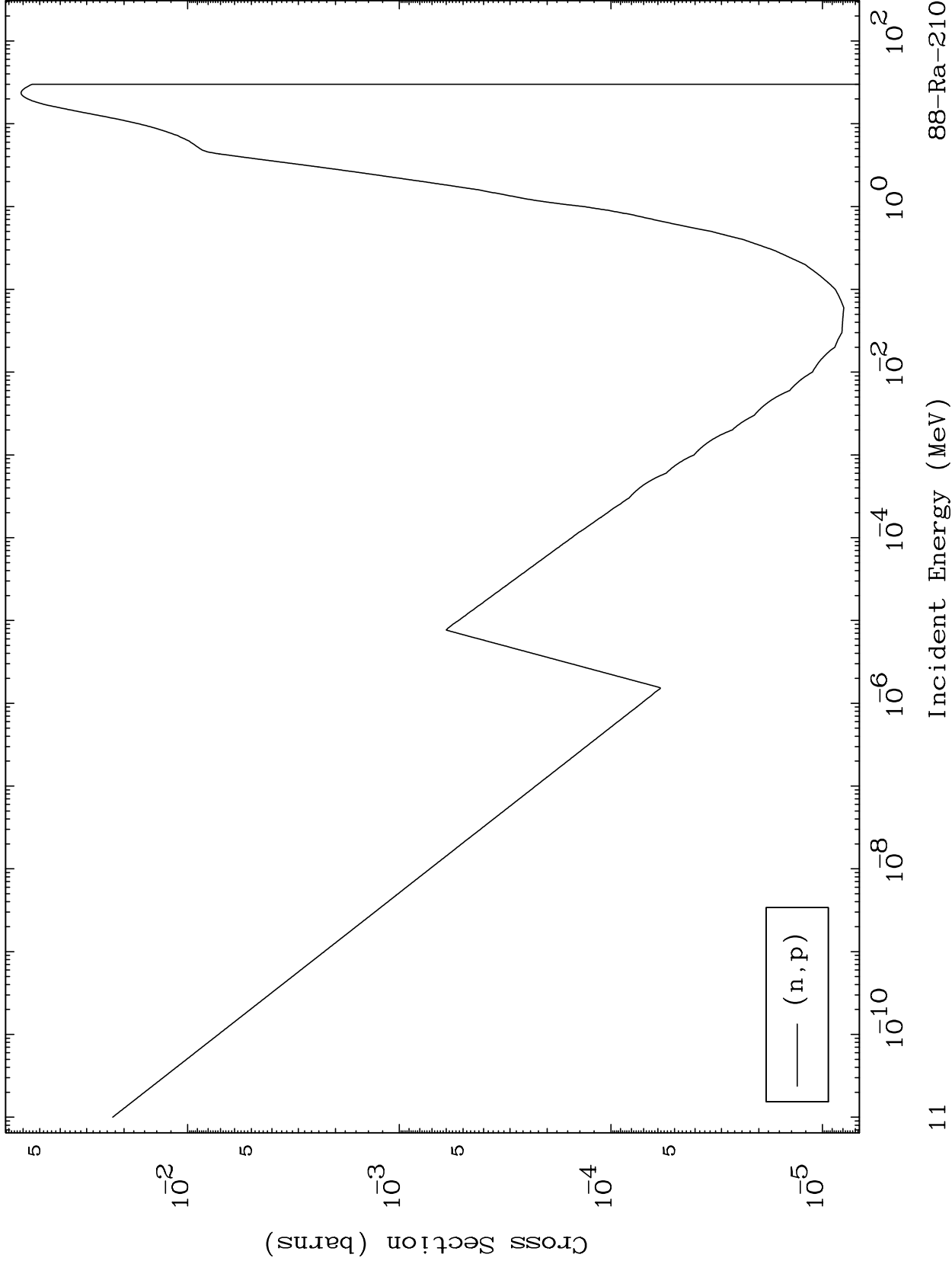
Incident Energy (MeV)

88-Ra-210

MAT 8786

(n,p) Levels  
293 Kelvin Cross Sections

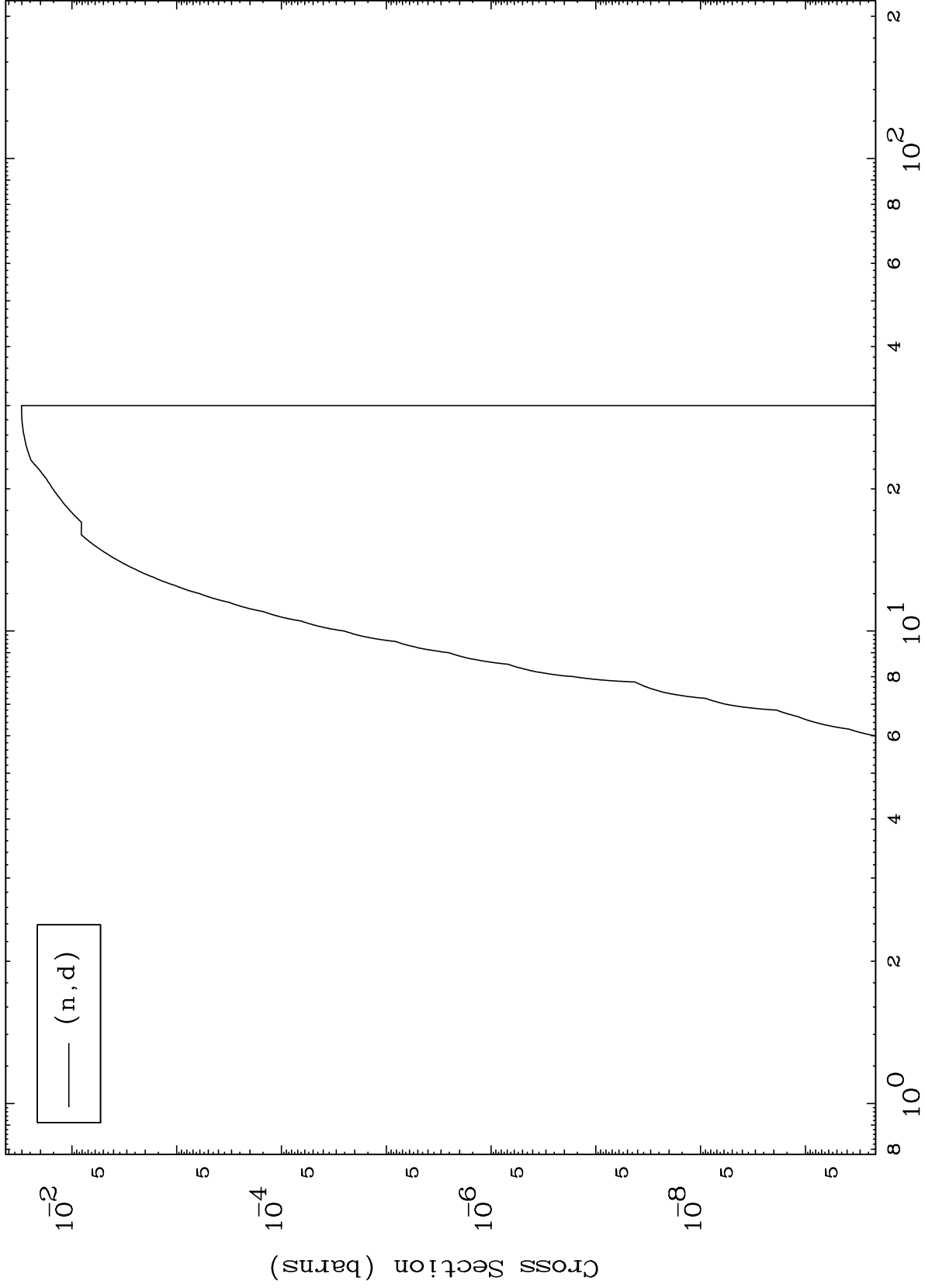
88-Ra-210



MAT 8786

(n,d) Levels  
293 Kelvin Cross Sections

88-Ra-210



12

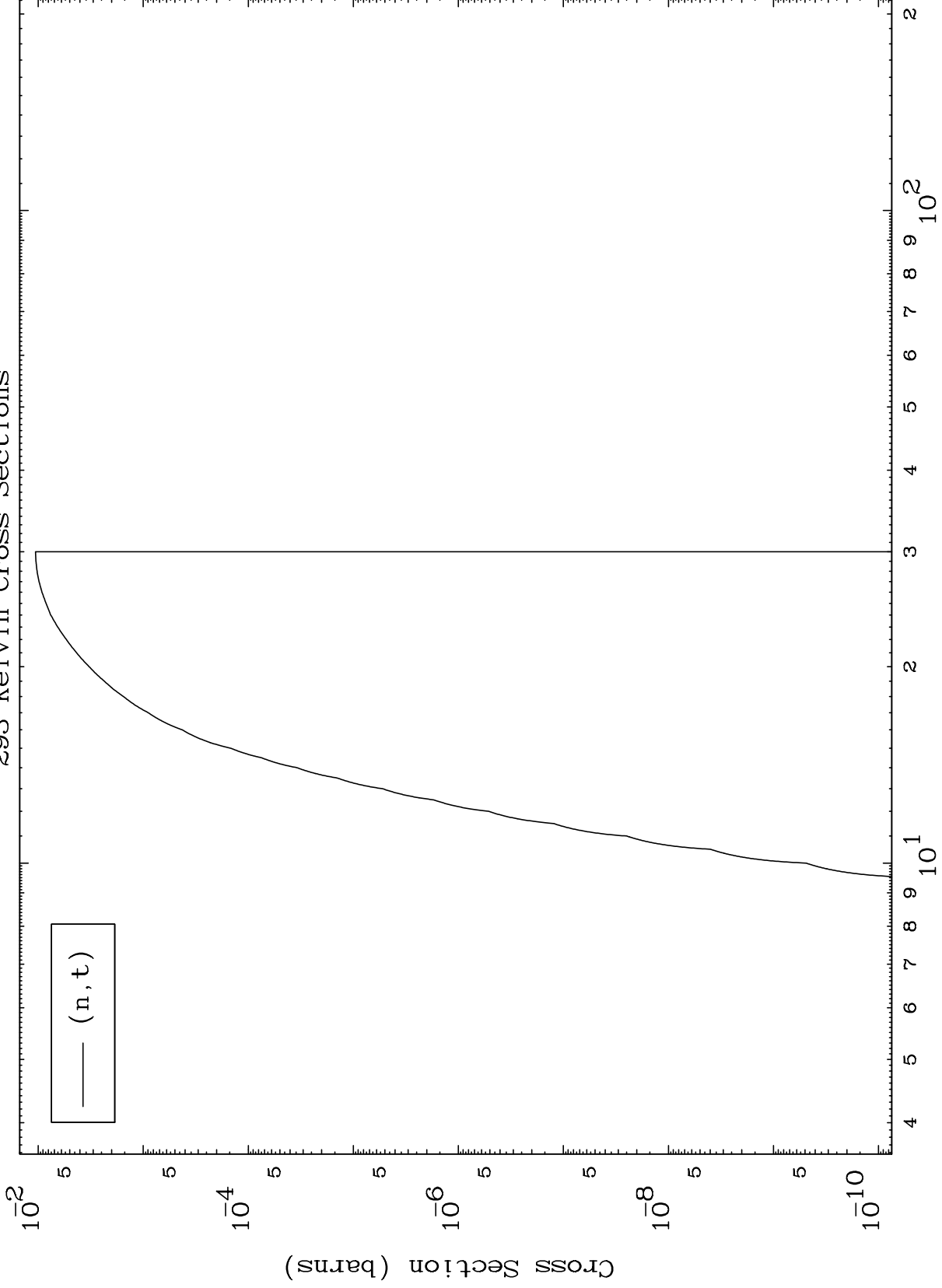
Incident Energy (MeV)

88-Ra-210

MAT 8786

(n,t) Levels  
293 Kelvin Cross Sections

88-Ra-210



13

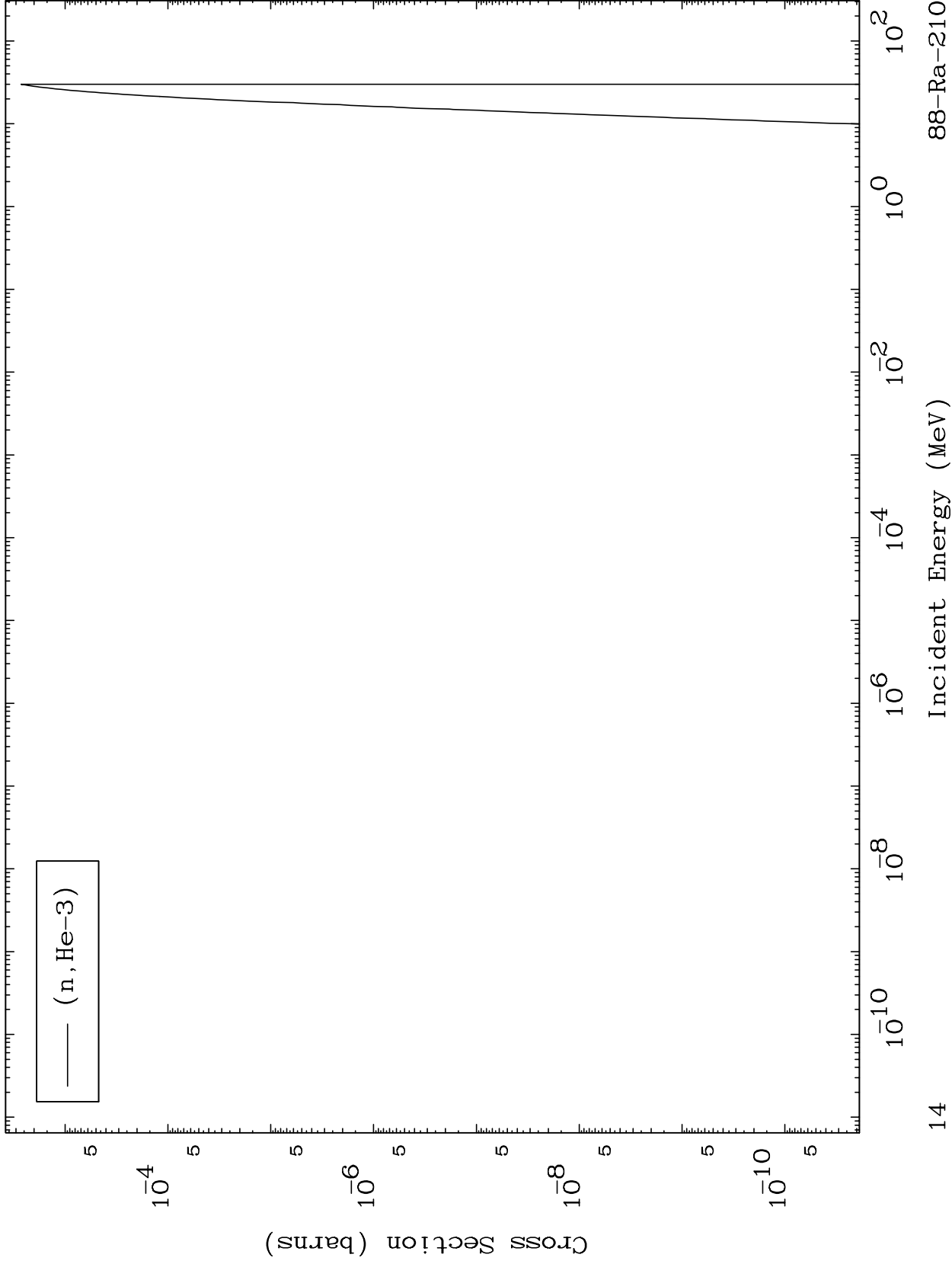
Incident Energy (MeV)

88-Ra-210

MAT 8786

(n,He3) Levels  
293 Kelvin Cross Sections

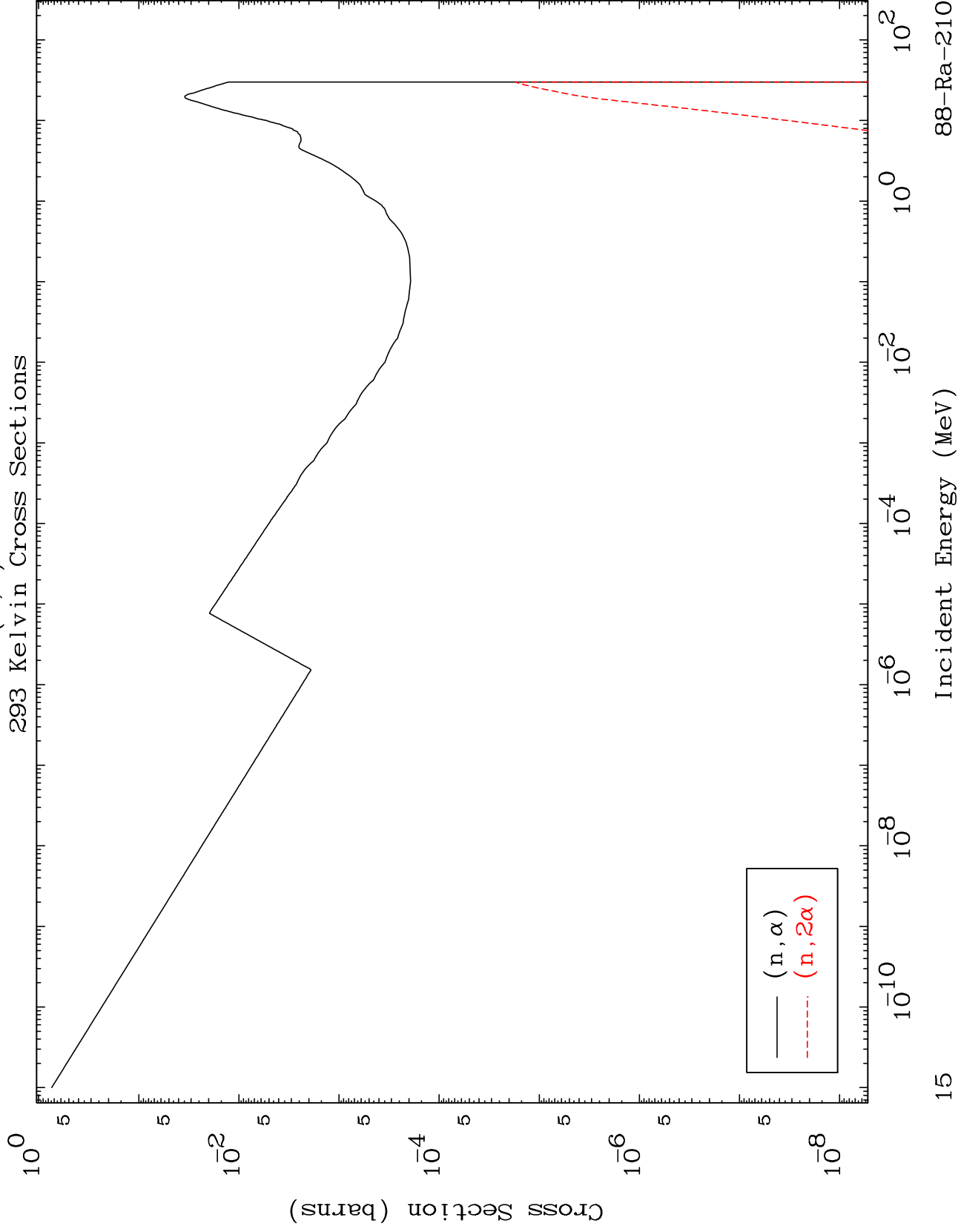
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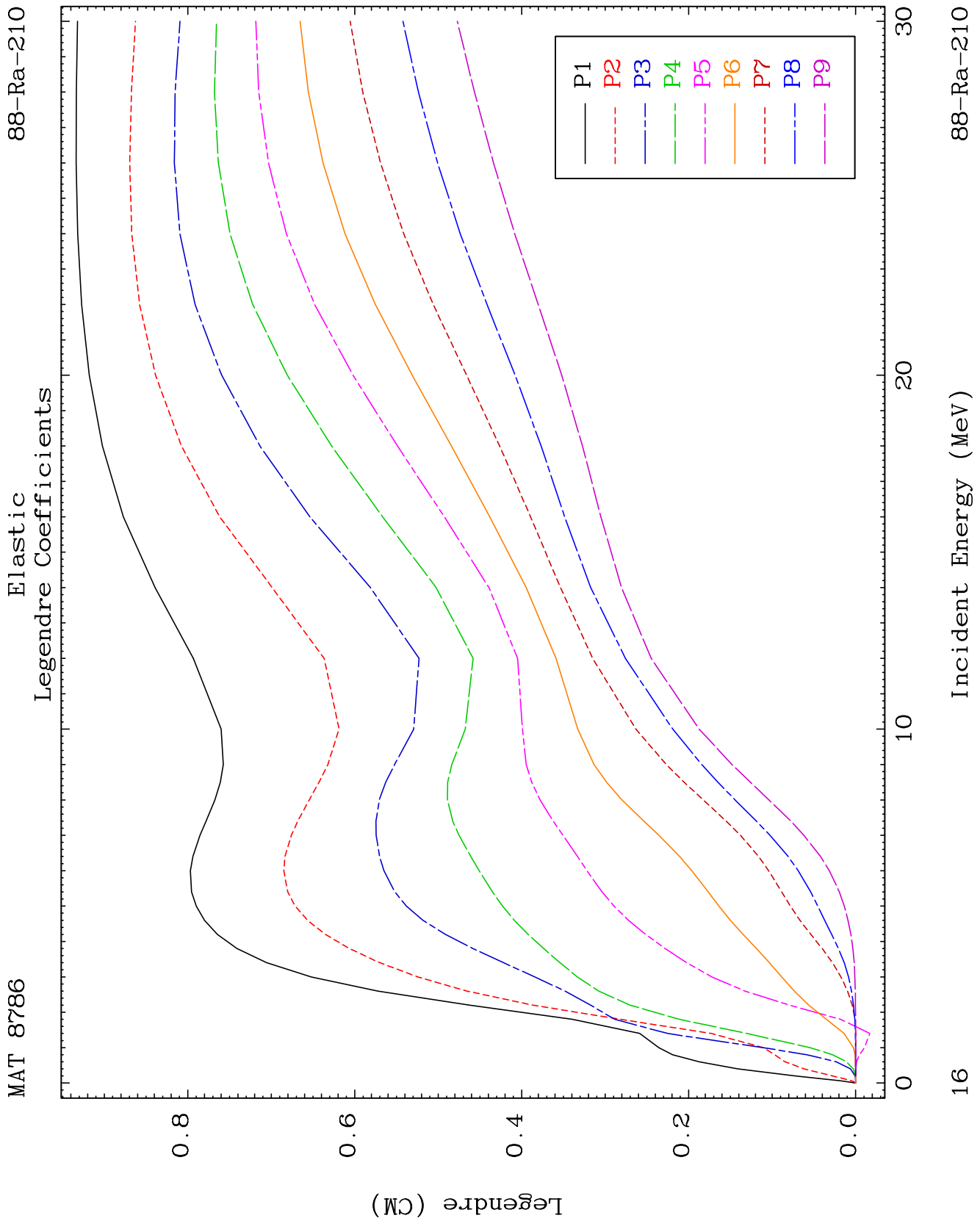
MAT 8786

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

88-Ra-210



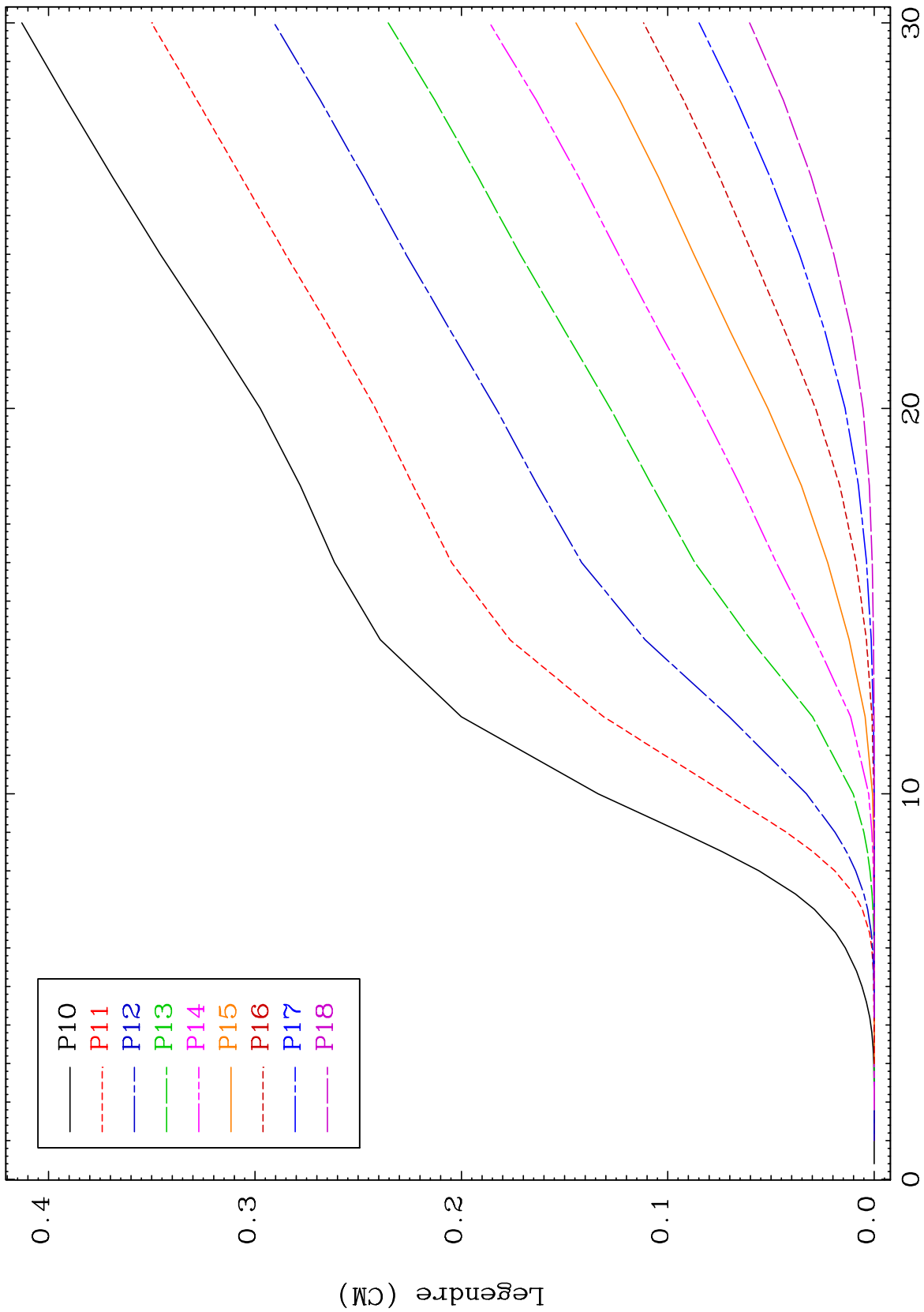




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Elastic Legendre Coefficients

88-Ra-210



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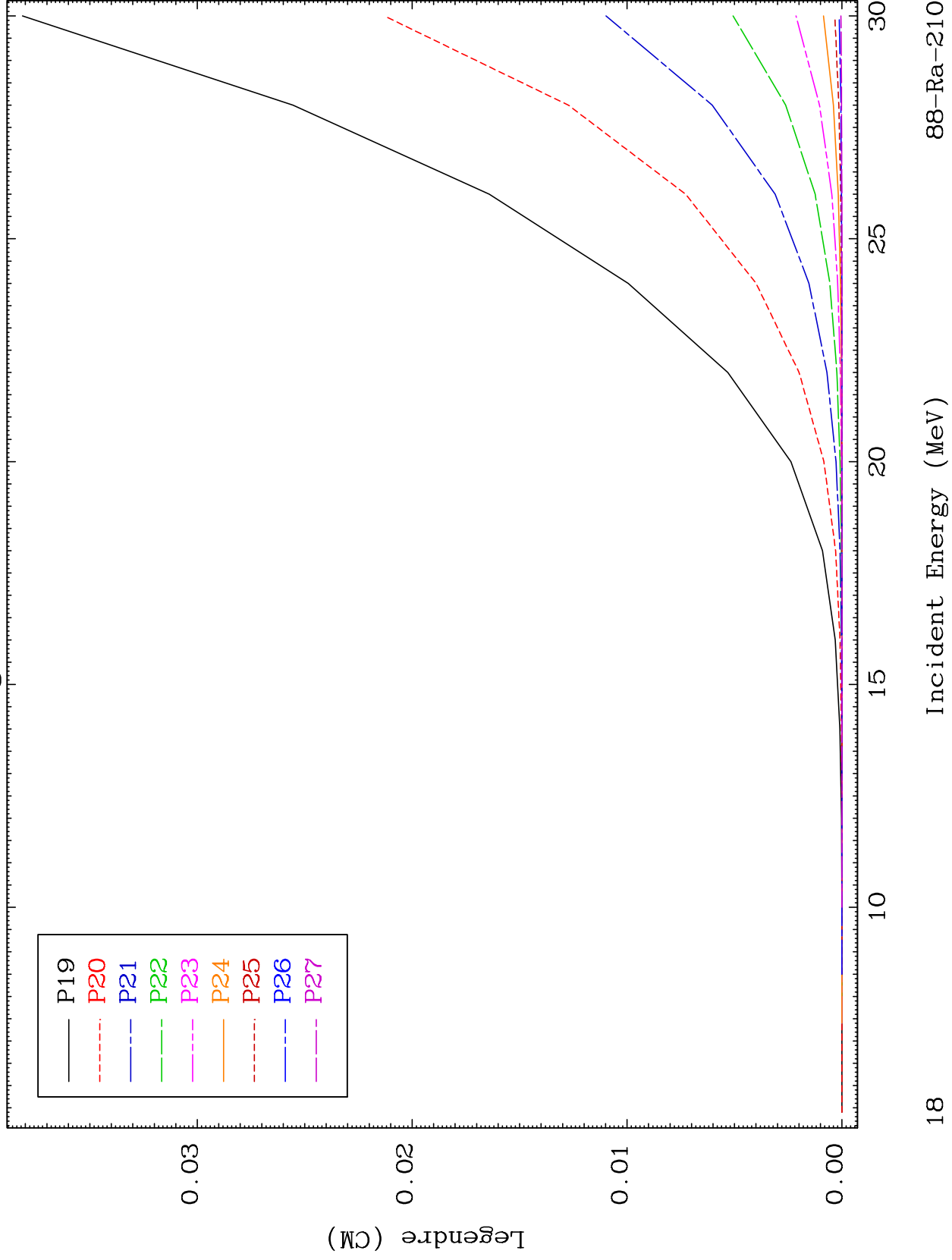
Incident Energy (MeV)

88-Ra-210

MAT 8786

### Elastic Legendre Coefficients

88-Ra-210



18

Incident Energy (MeV)

88-Ra-210

30

25

20

15

10

Legendre (CM)

0.03

0.02

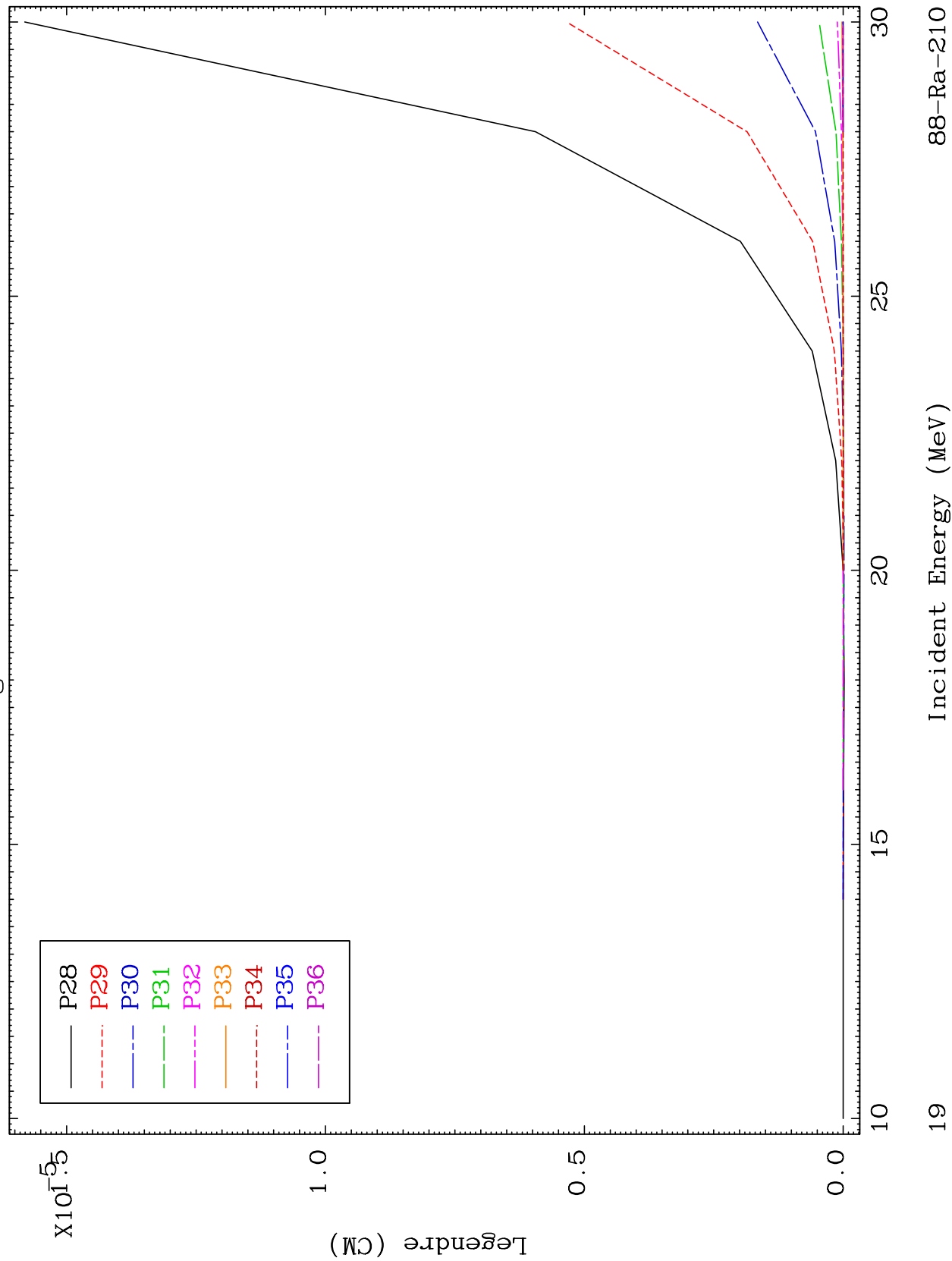
0.01

0.00

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Elastic Legendre Coefficients

88-Ra-210



19

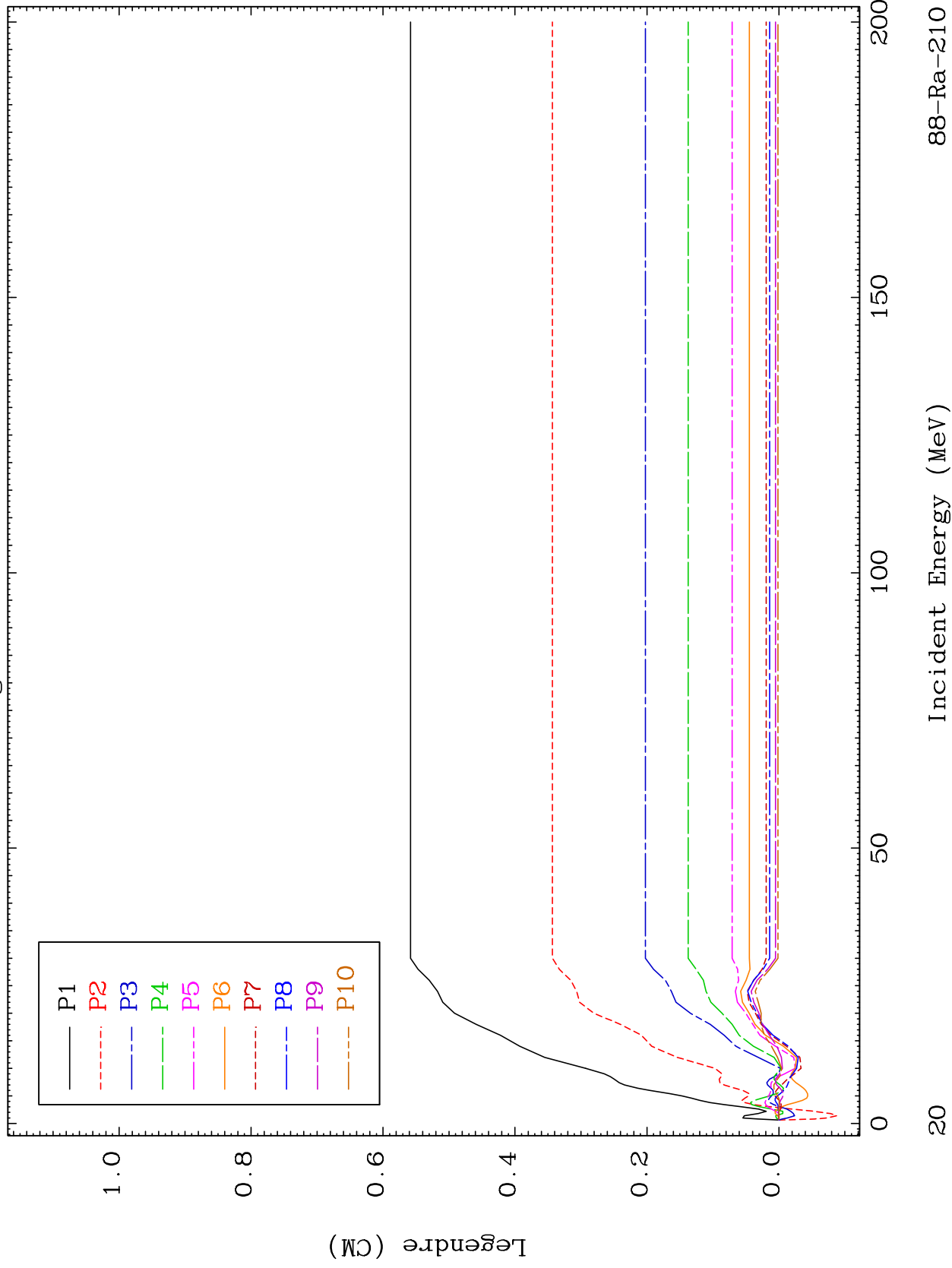
Incident Energy (MeV)

88-Ra-210

MAT 8786

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

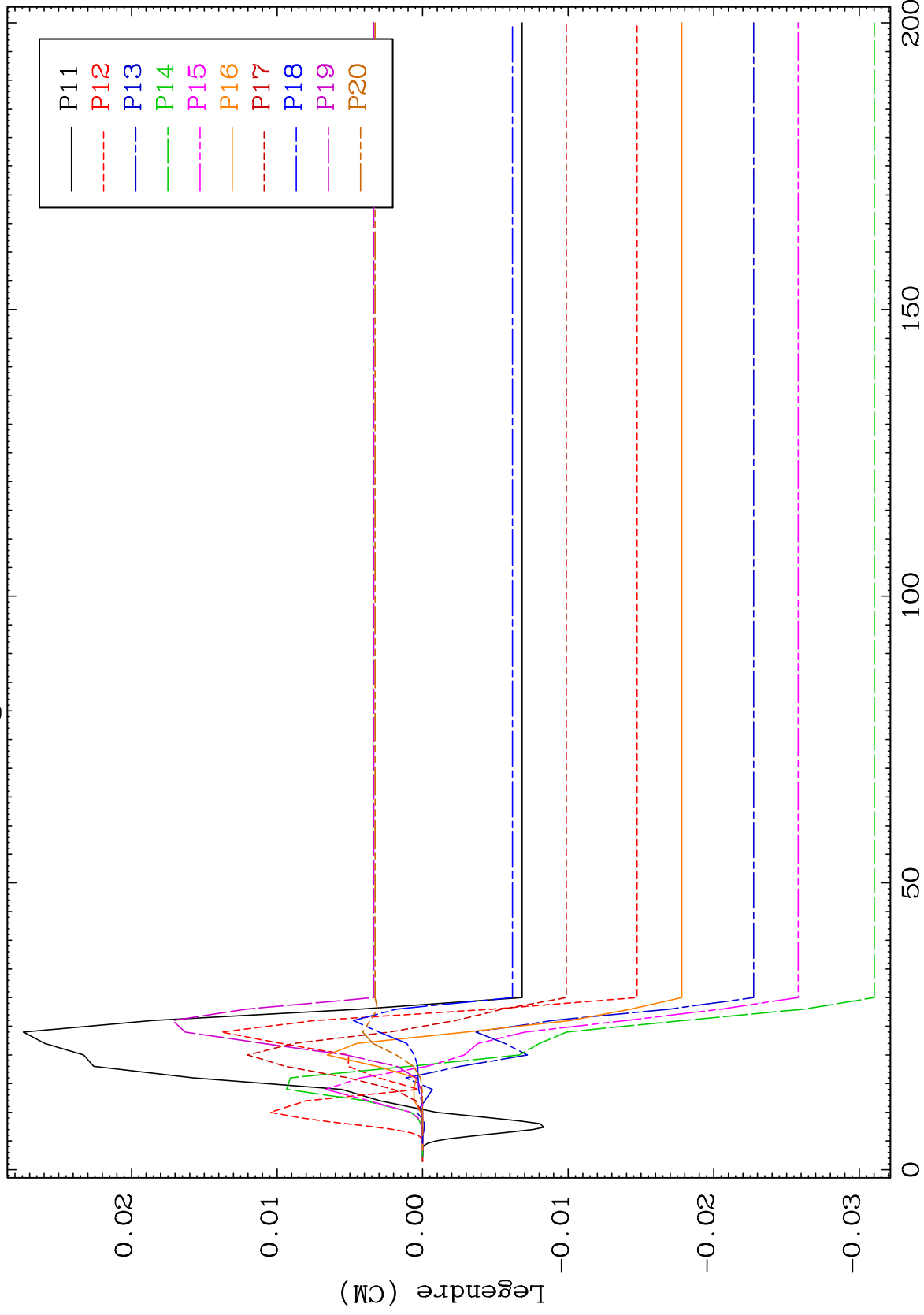
88-Ra-210



MAT 8786

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

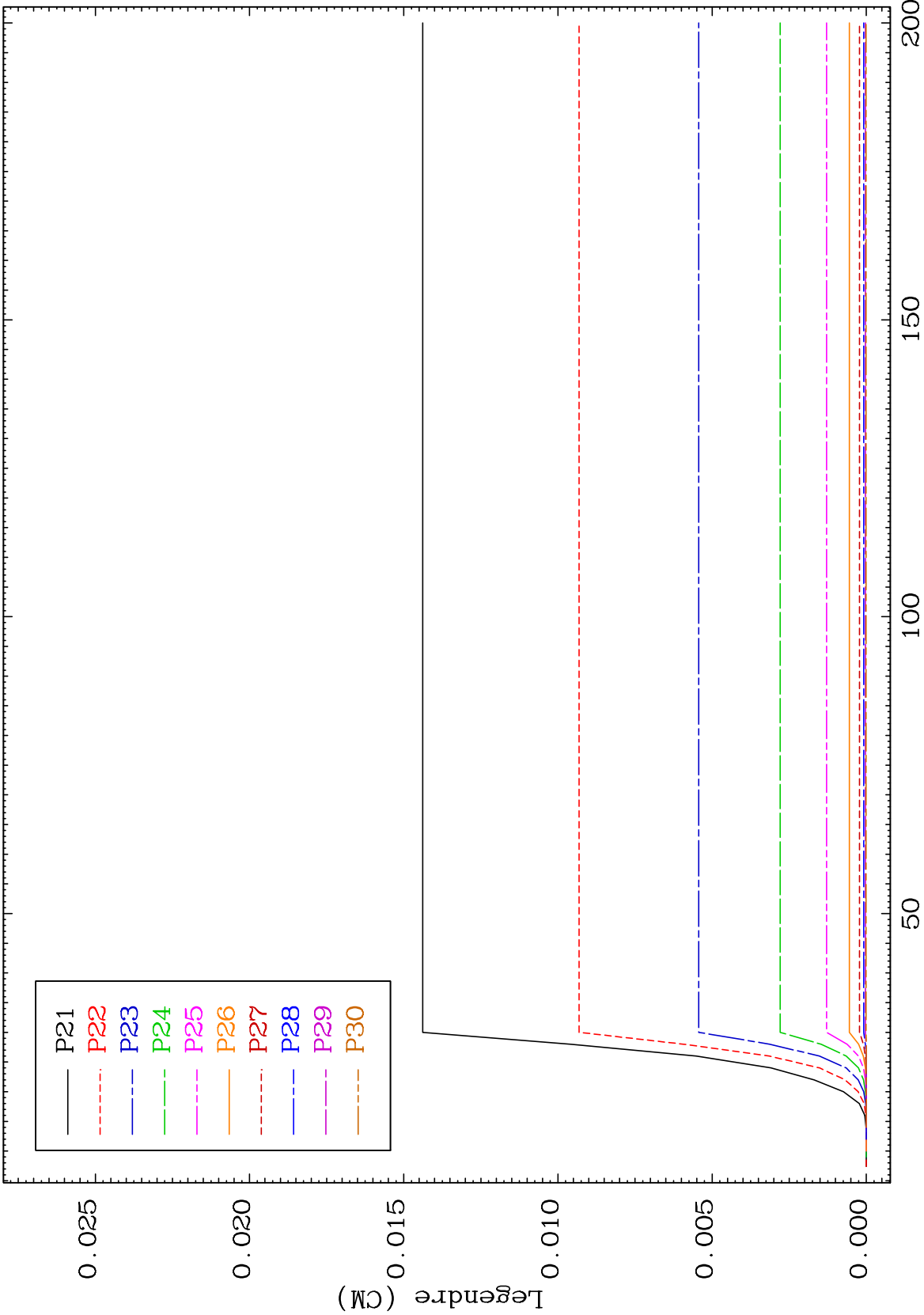
88-Ra-210



21

Incident Energy (MeV)

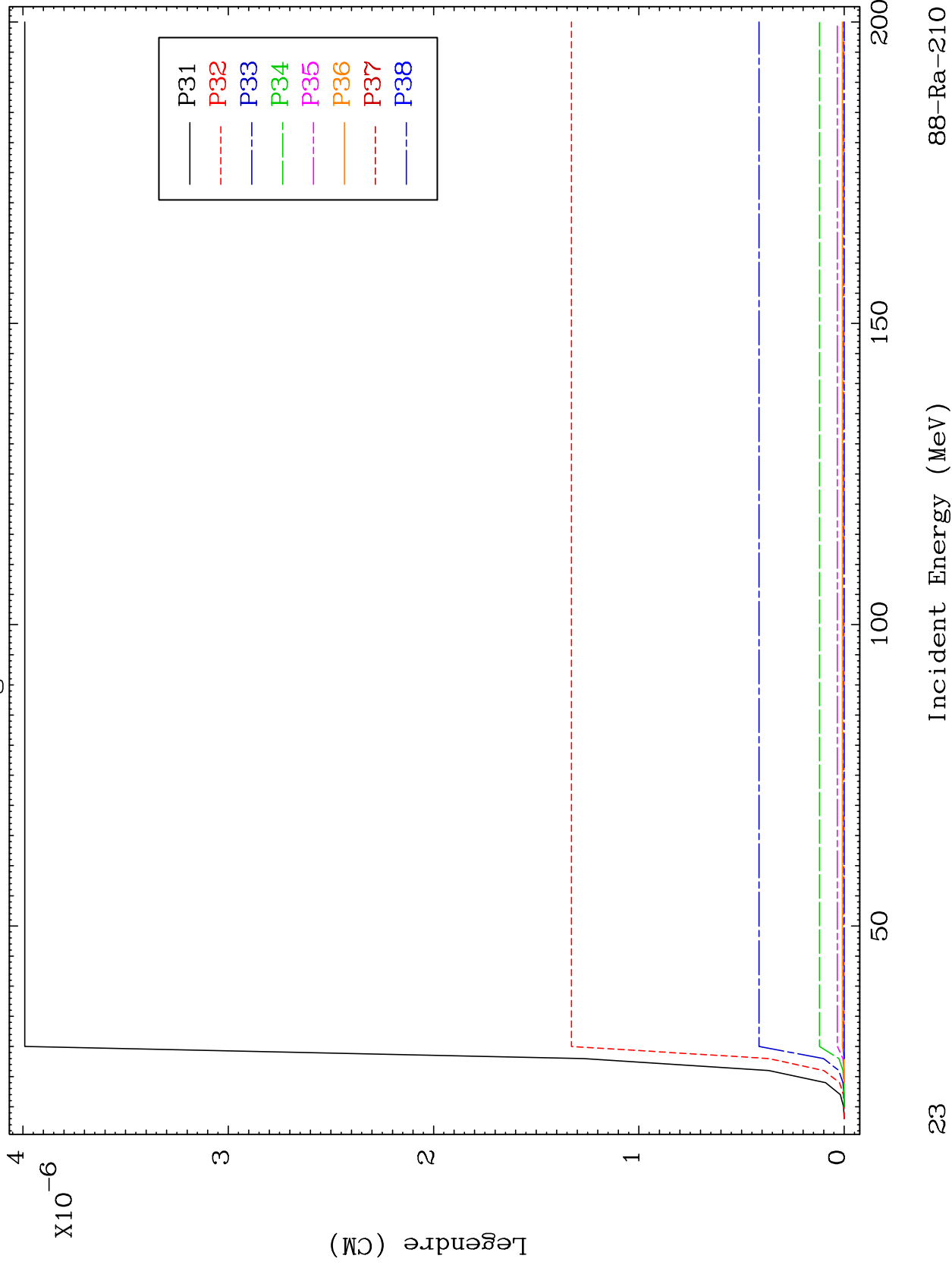
88-Ra-210



MAT 8786

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

88-Ra-210



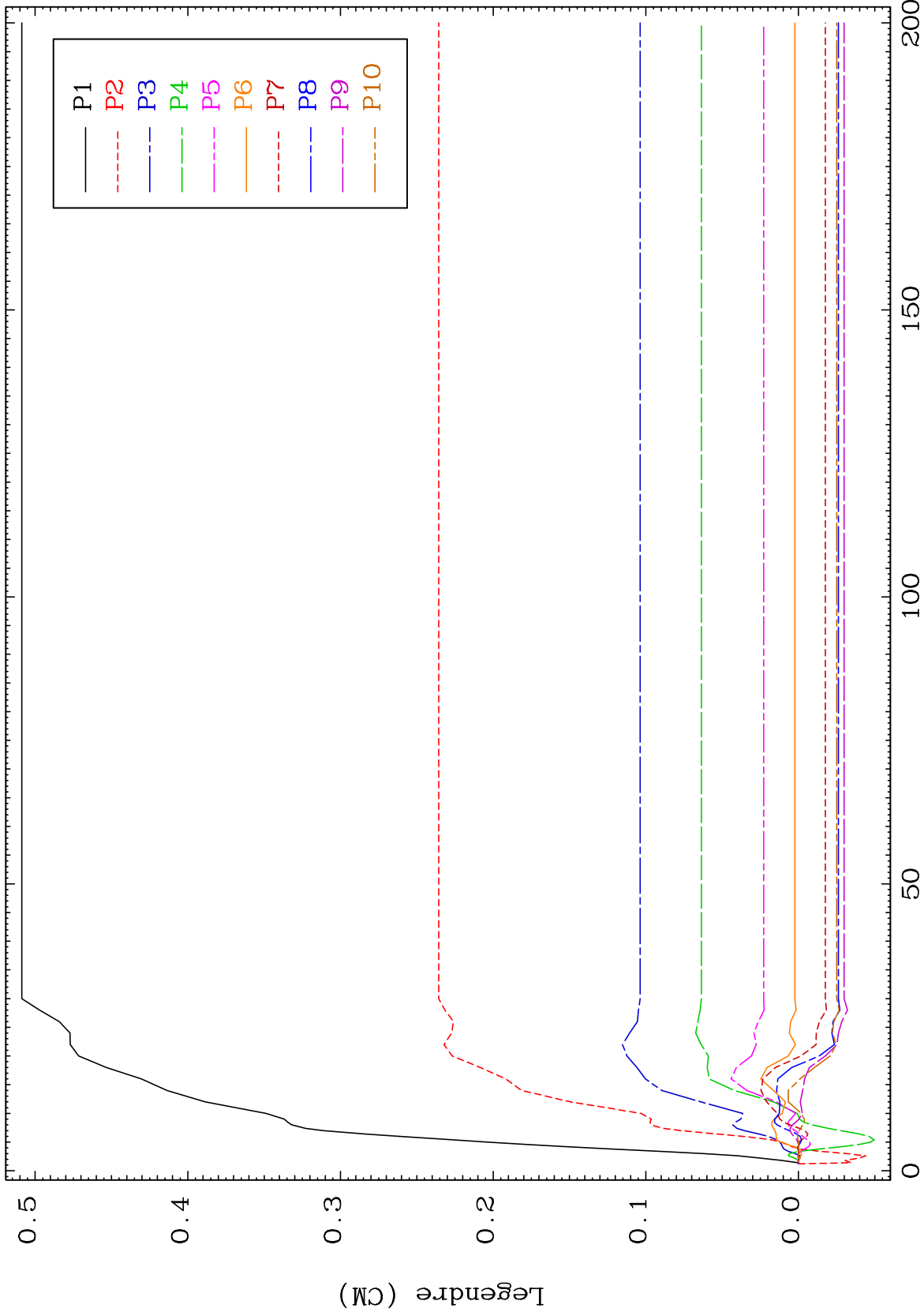
23



MAT 8786

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

88-Ra-210



24

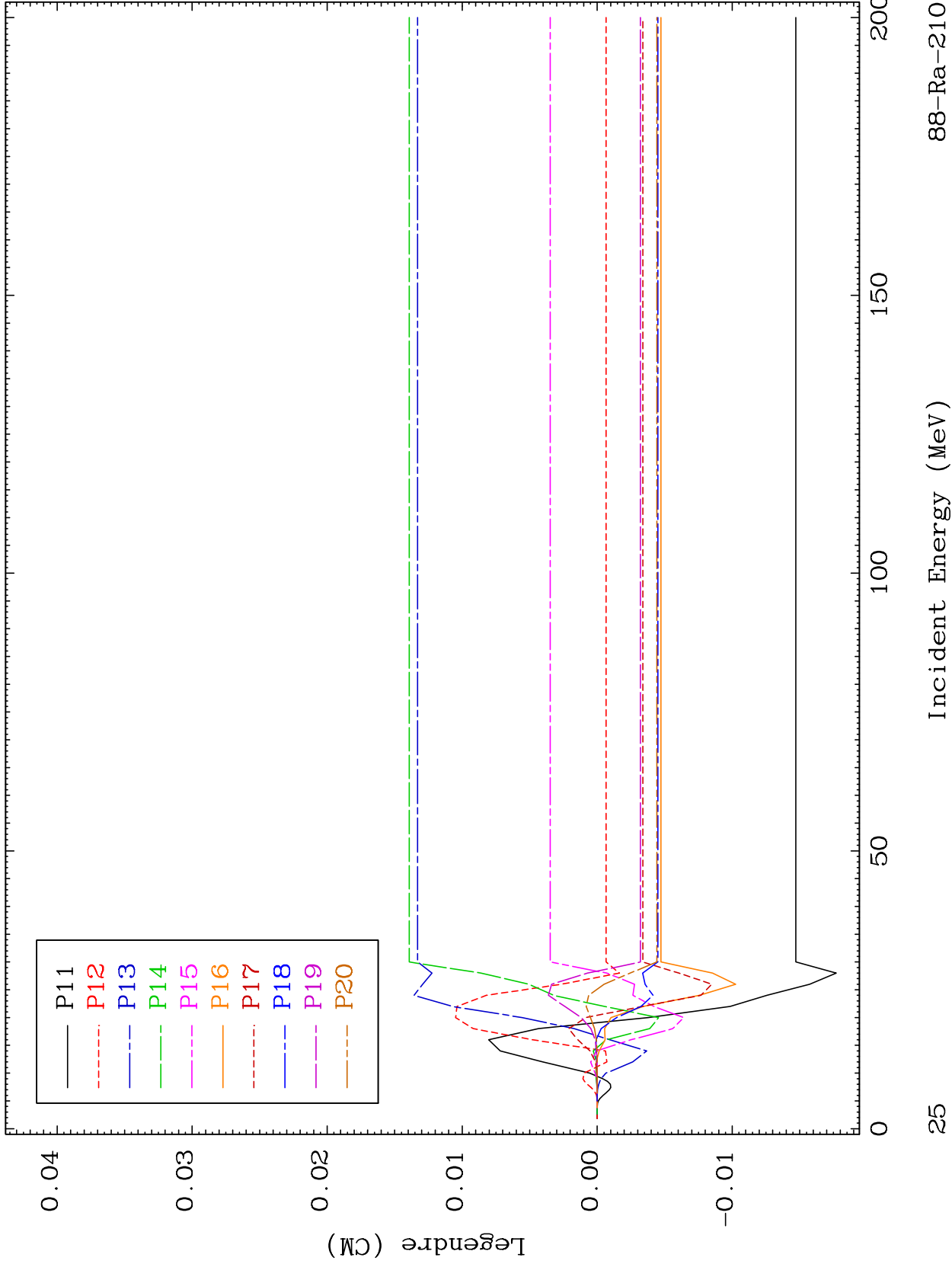
Incident Energy (MeV)

88-Ra-210

MAT 8786

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

88-Ra-210



88-Ra-210

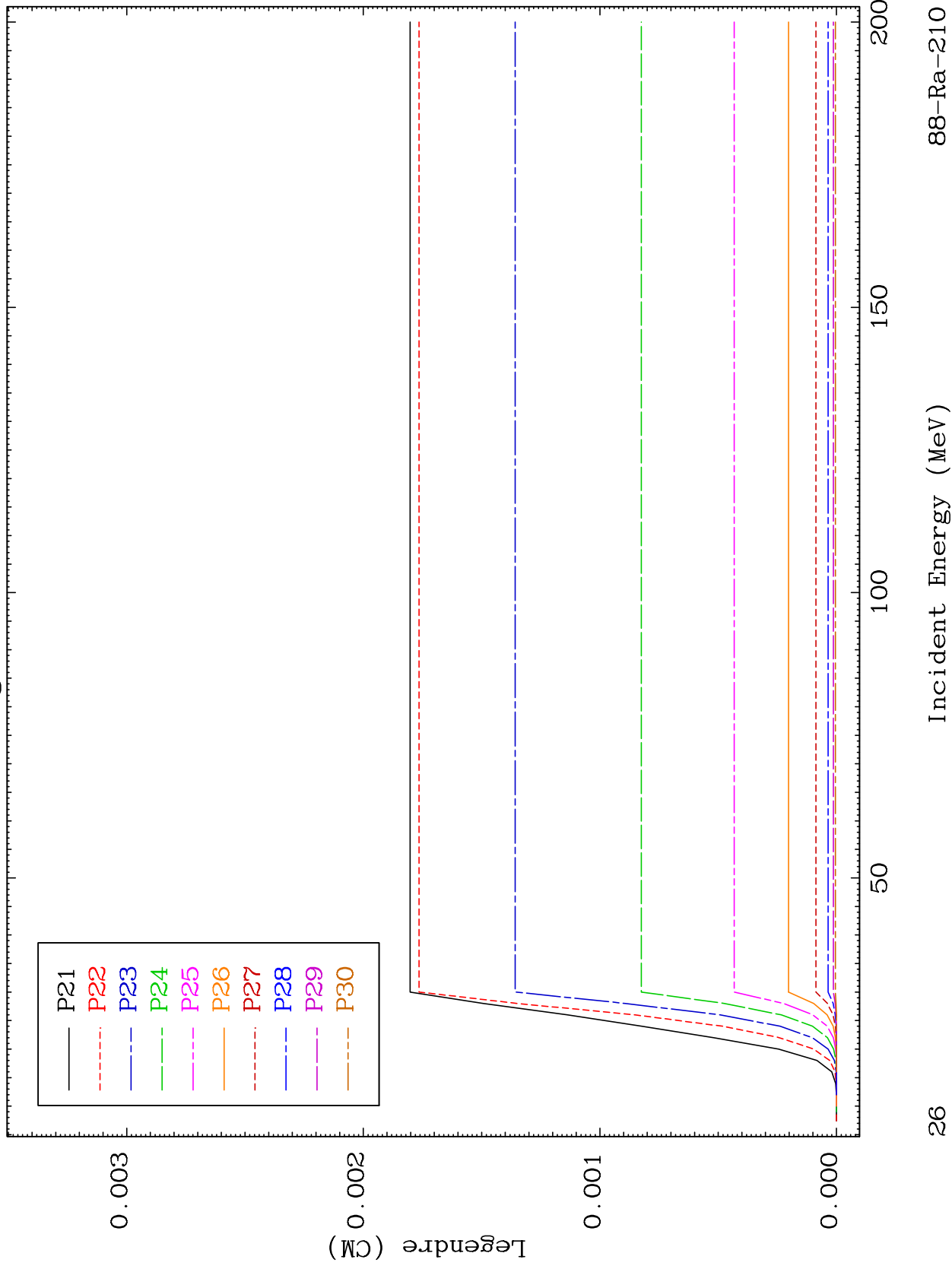
Incident Energy (MeV)

25

MAT 8786

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

88-Ra-210



26

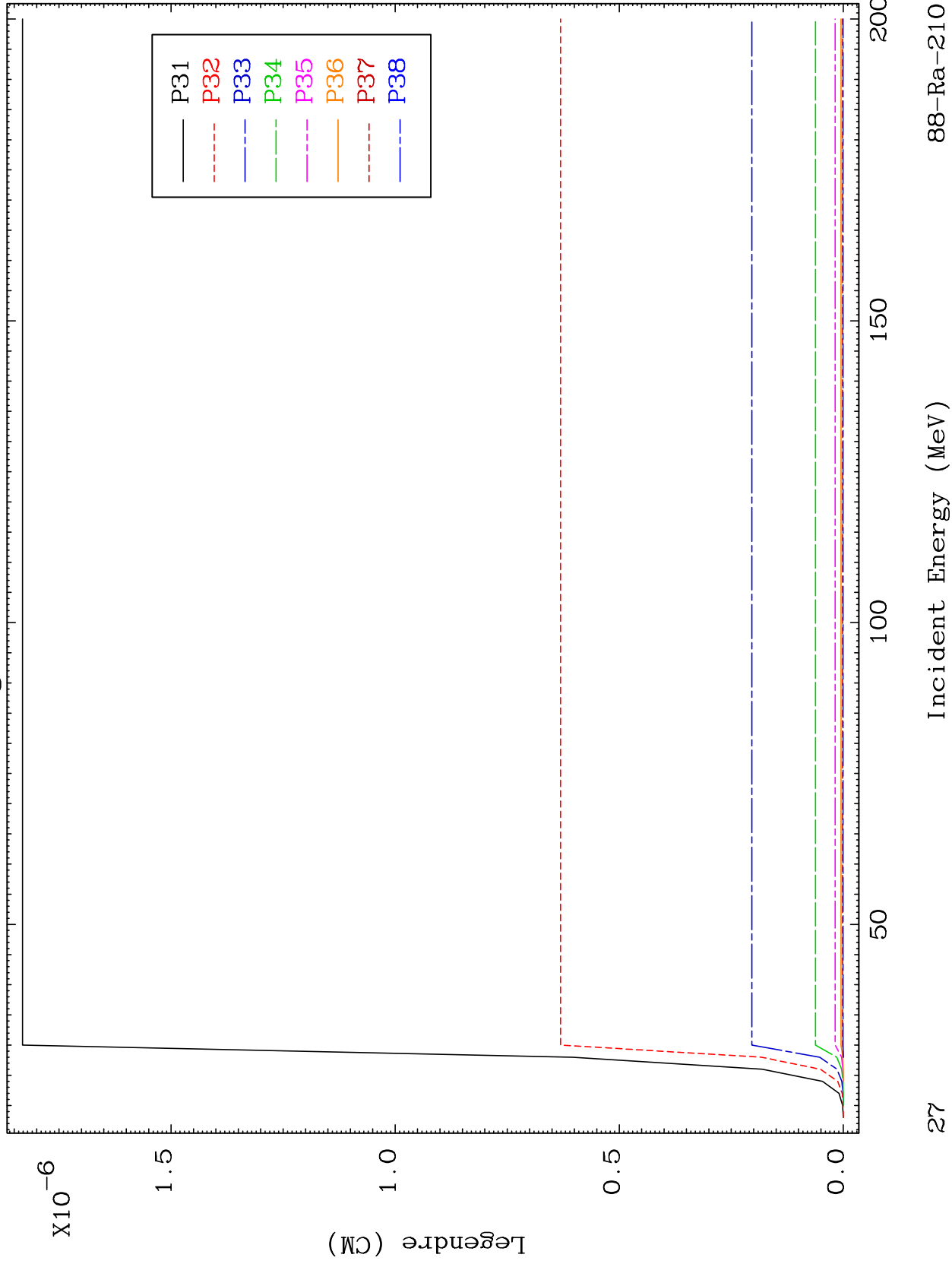
Incident Energy (MeV)

88-Ra-210

MAT 8786

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

88-Ra-210



27

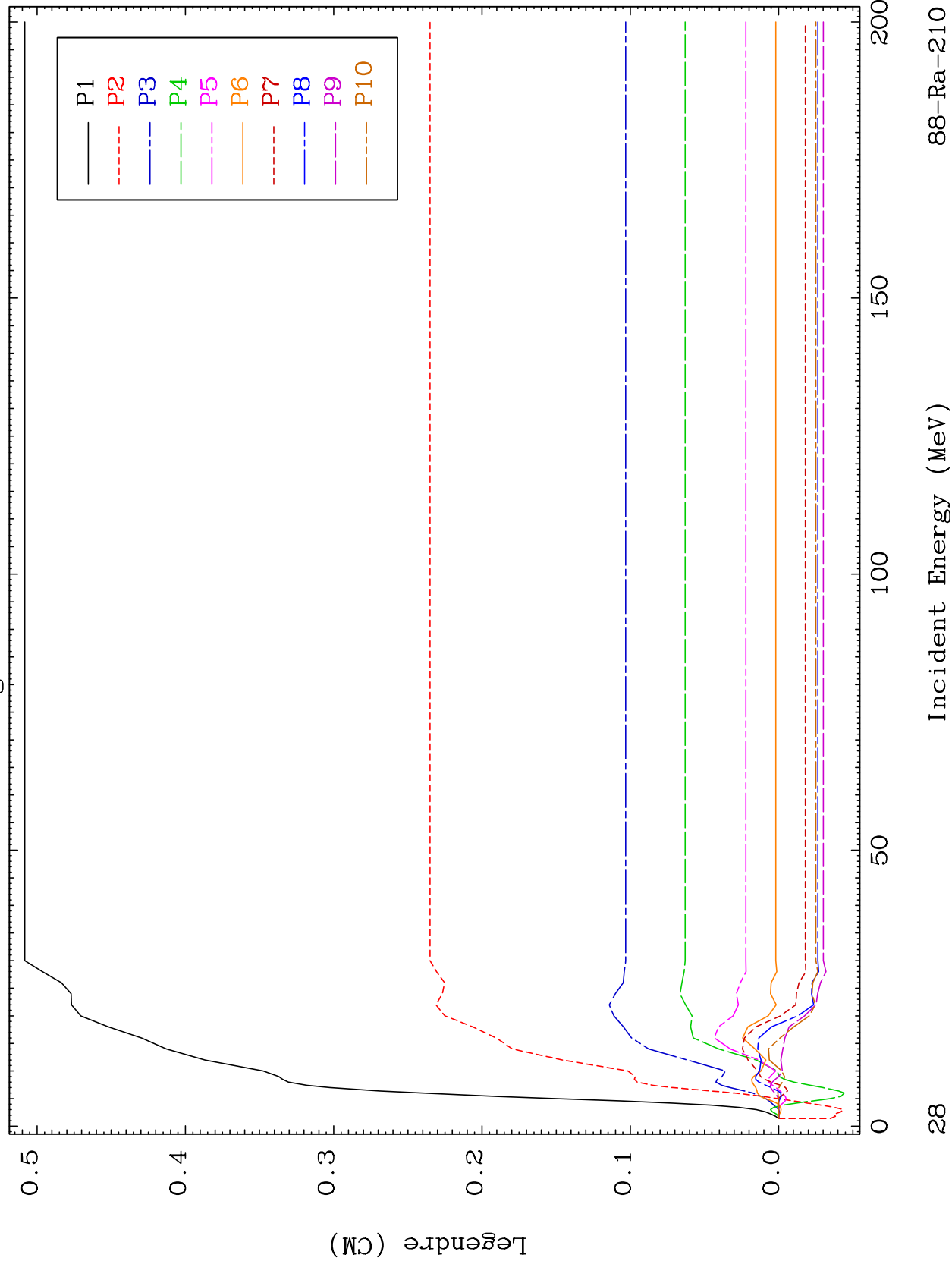
Incident Energy (MeV)

88-Ra-210

MAT 8786

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

88-Ra-210



88-Ra-210

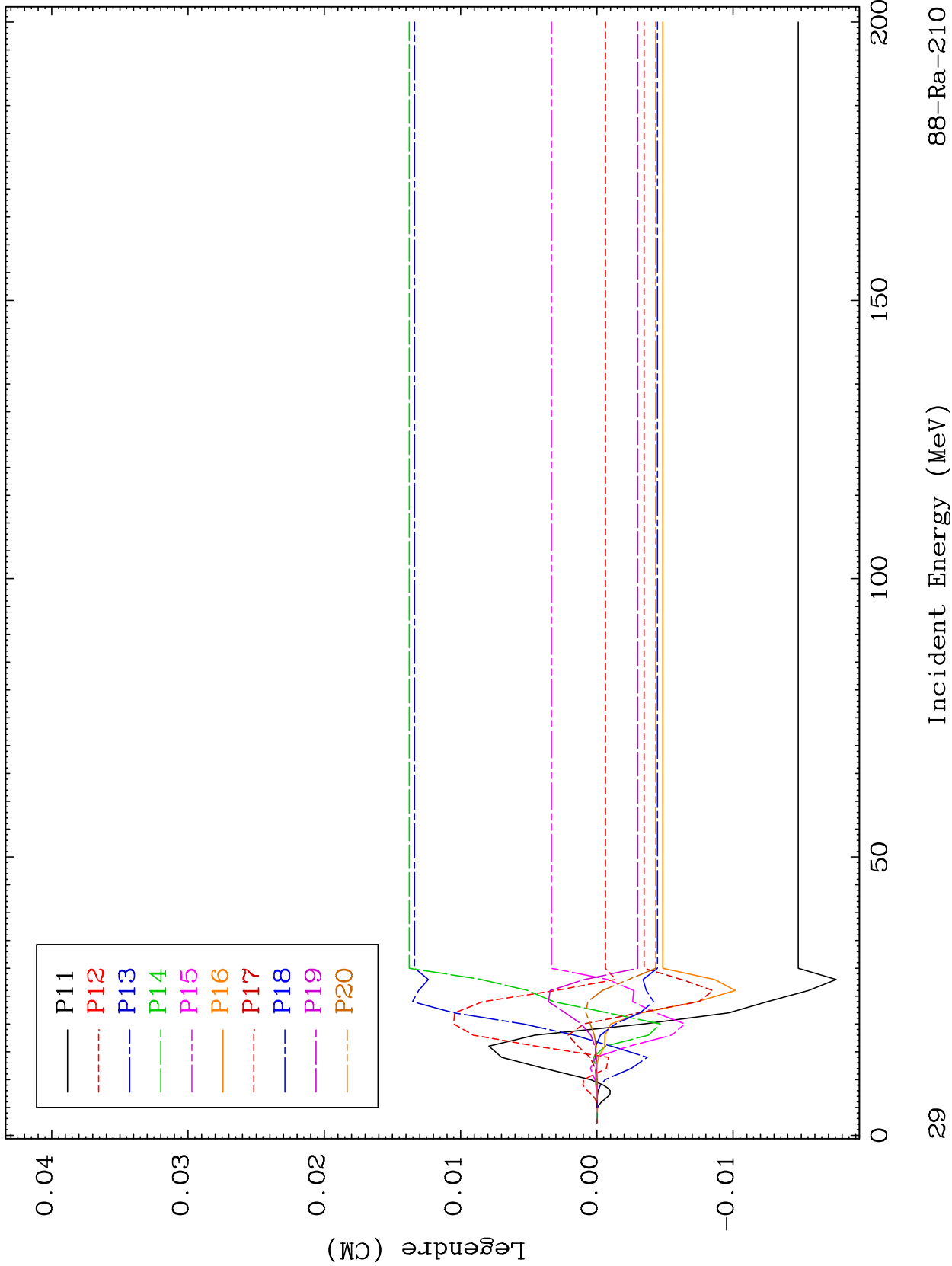
Incident Energy (MeV)

28

MAT 8786

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

88-Ra-210



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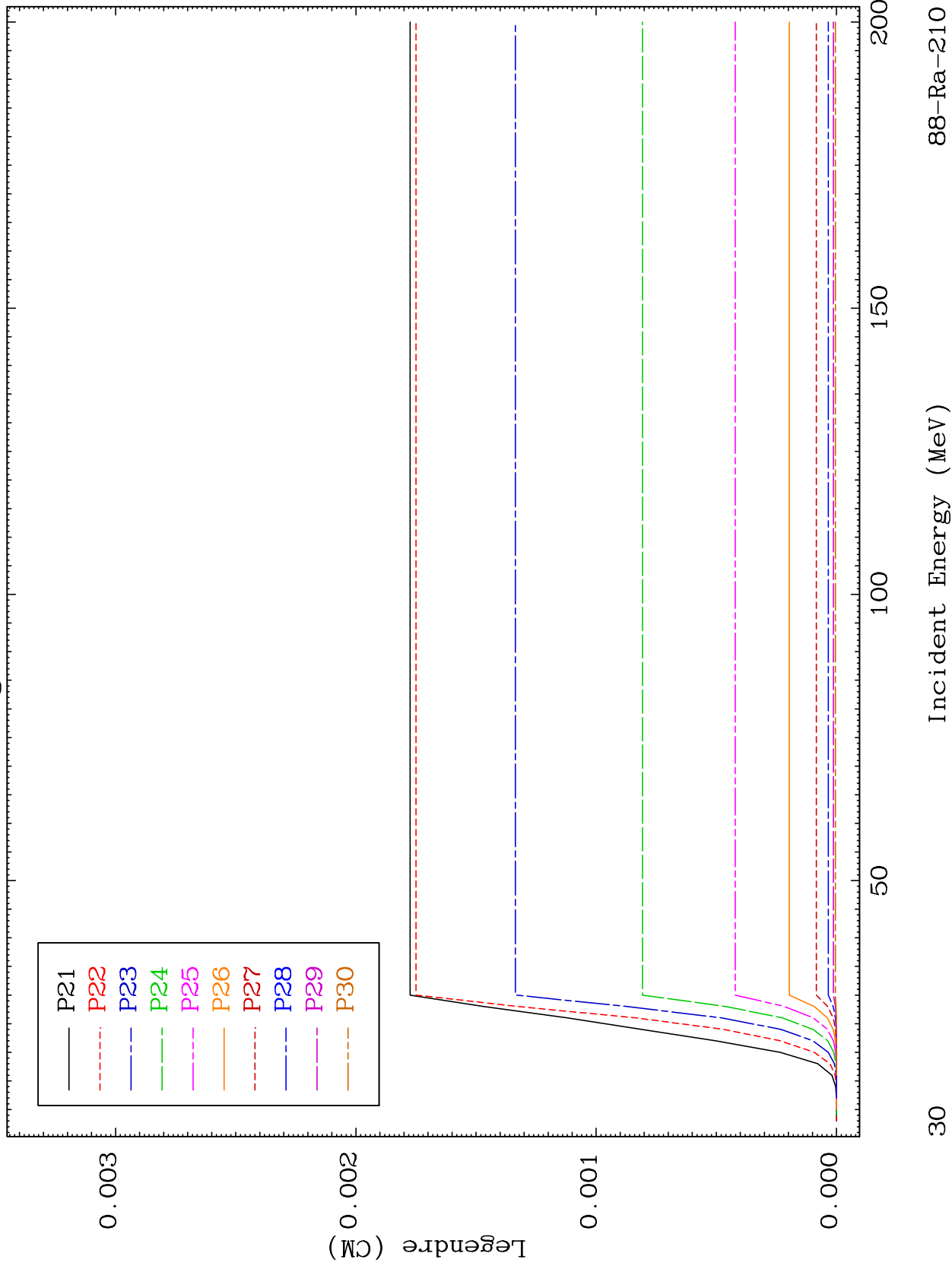
Incident Energy (MeV)

88-Ra-210

MAT 8786

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

88-Ra-210



88-Ra-210

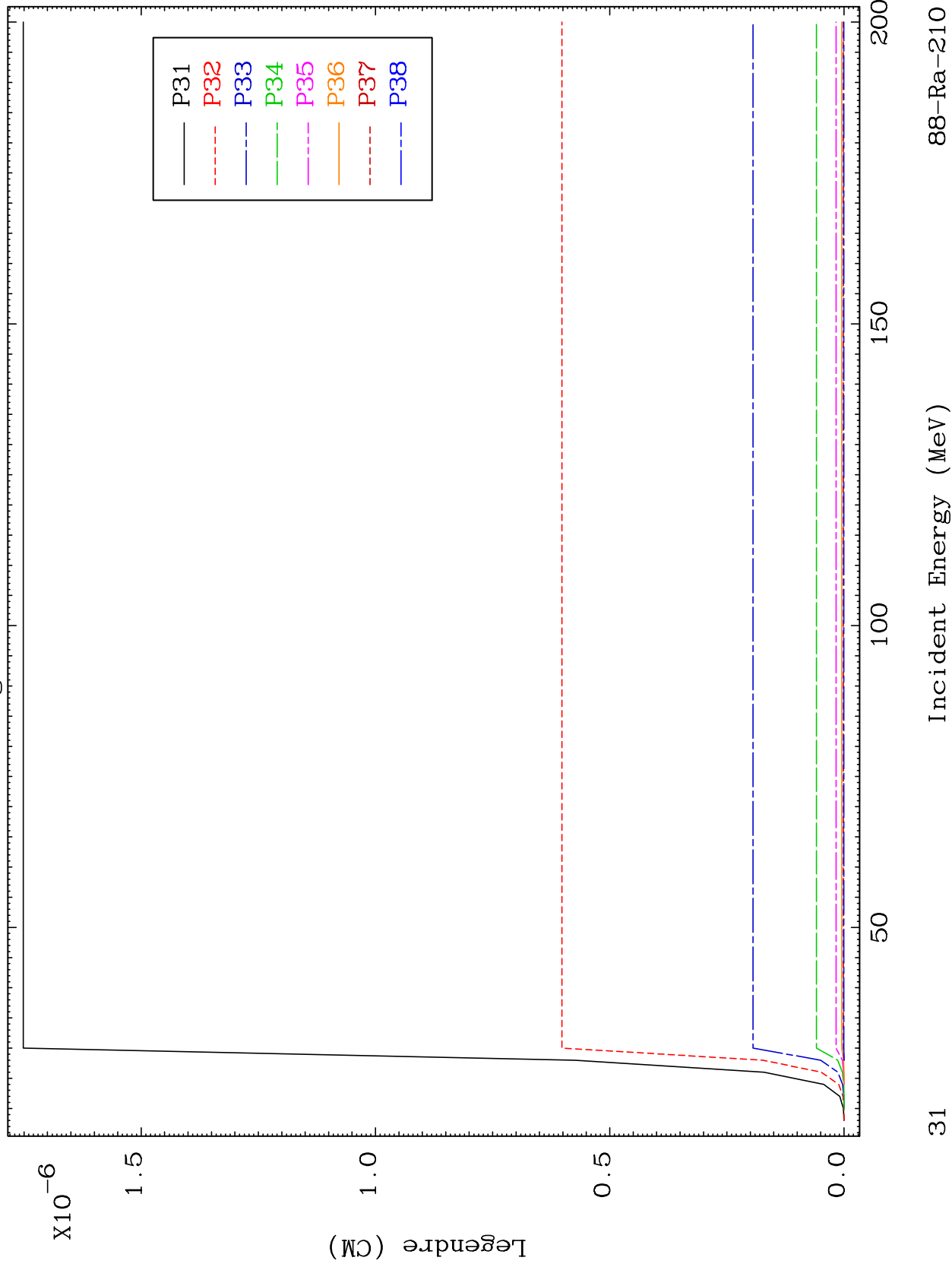
Incident Energy (MeV)

30

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

88-Ra-210



31

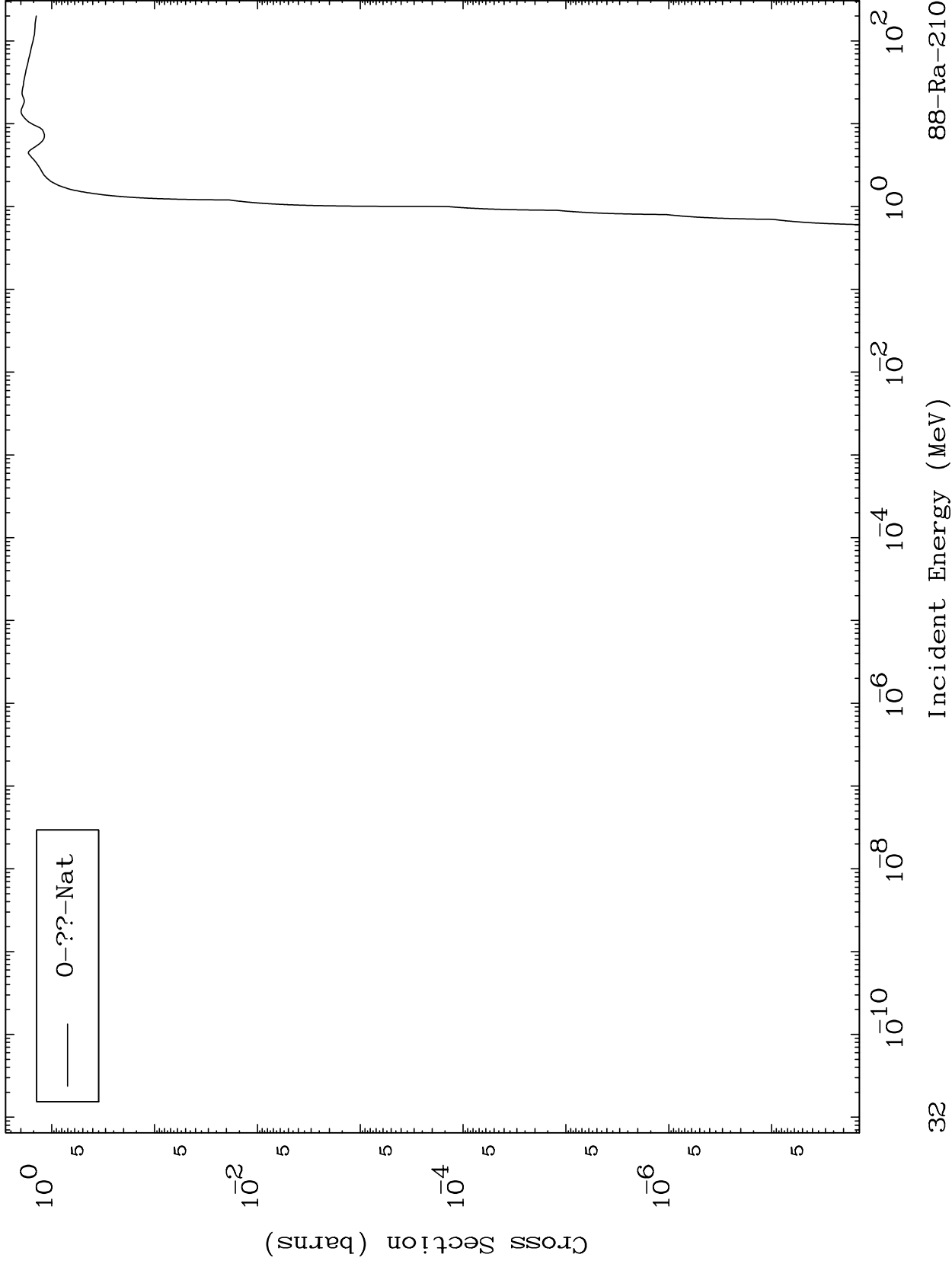


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Fission

88-Ra-210

Radionuclide Production Cross Section



32

Incident Energy (MeV)

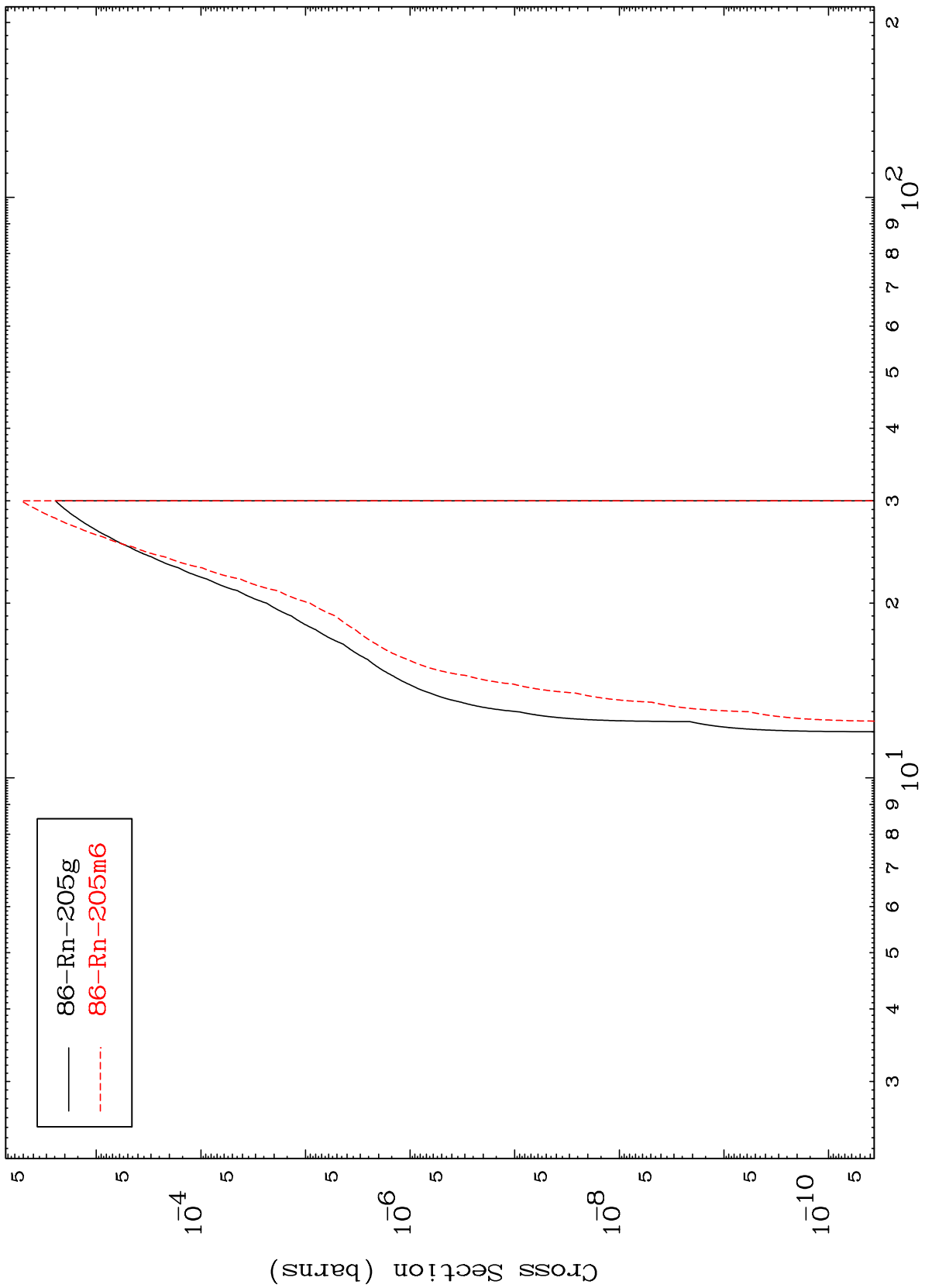
88-Ra-210

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(n,2n)  $\alpha$

88-Ra-210

Radionuclide Production Cross Section



86-Rn-205g  
86-Rn-205m6

Incident Energy (MeV)

88-Ra-210

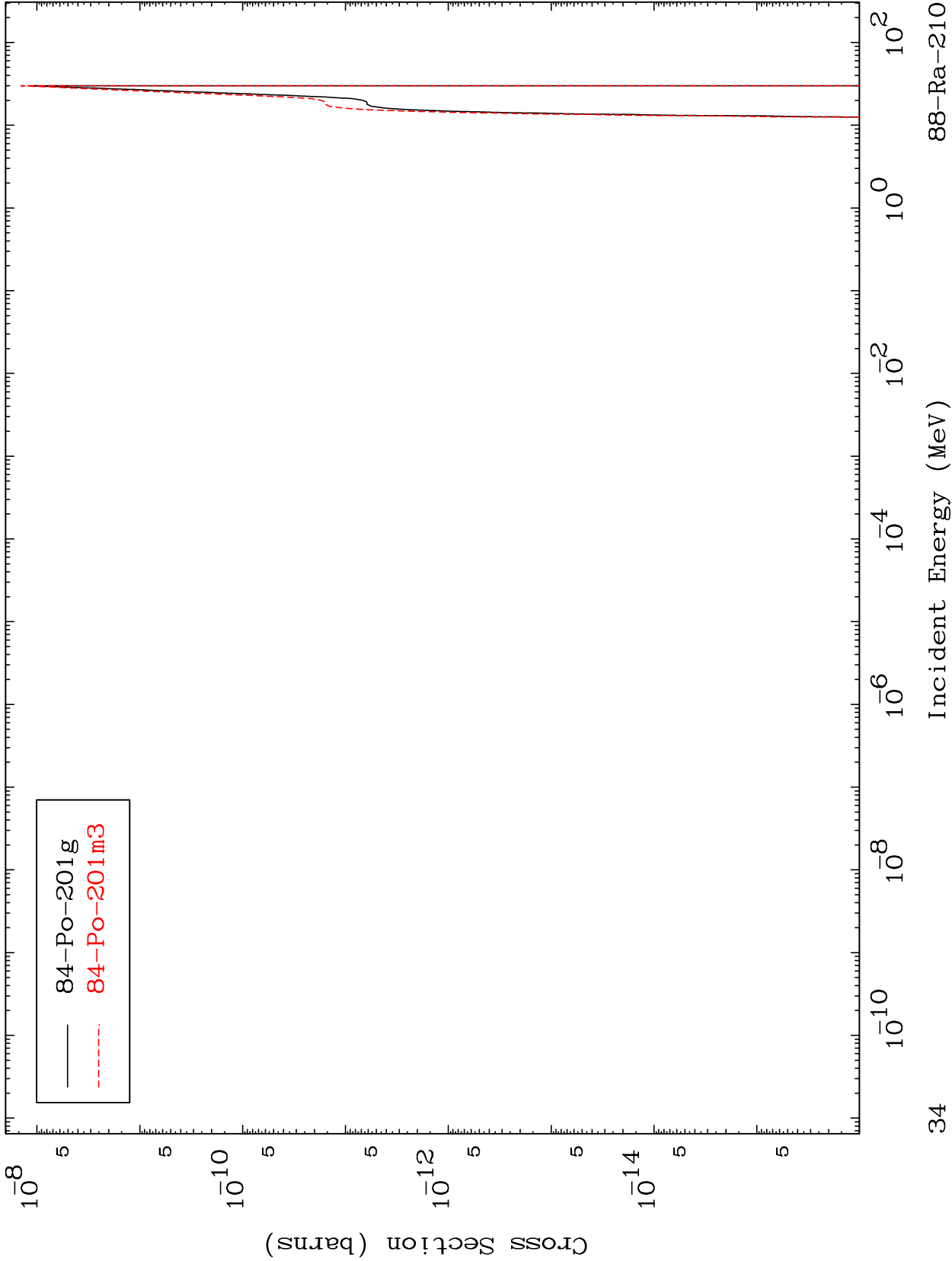
33

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(n,2n) 2 $\alpha$

88-Ra-210

Radionuclide Production Cross Section

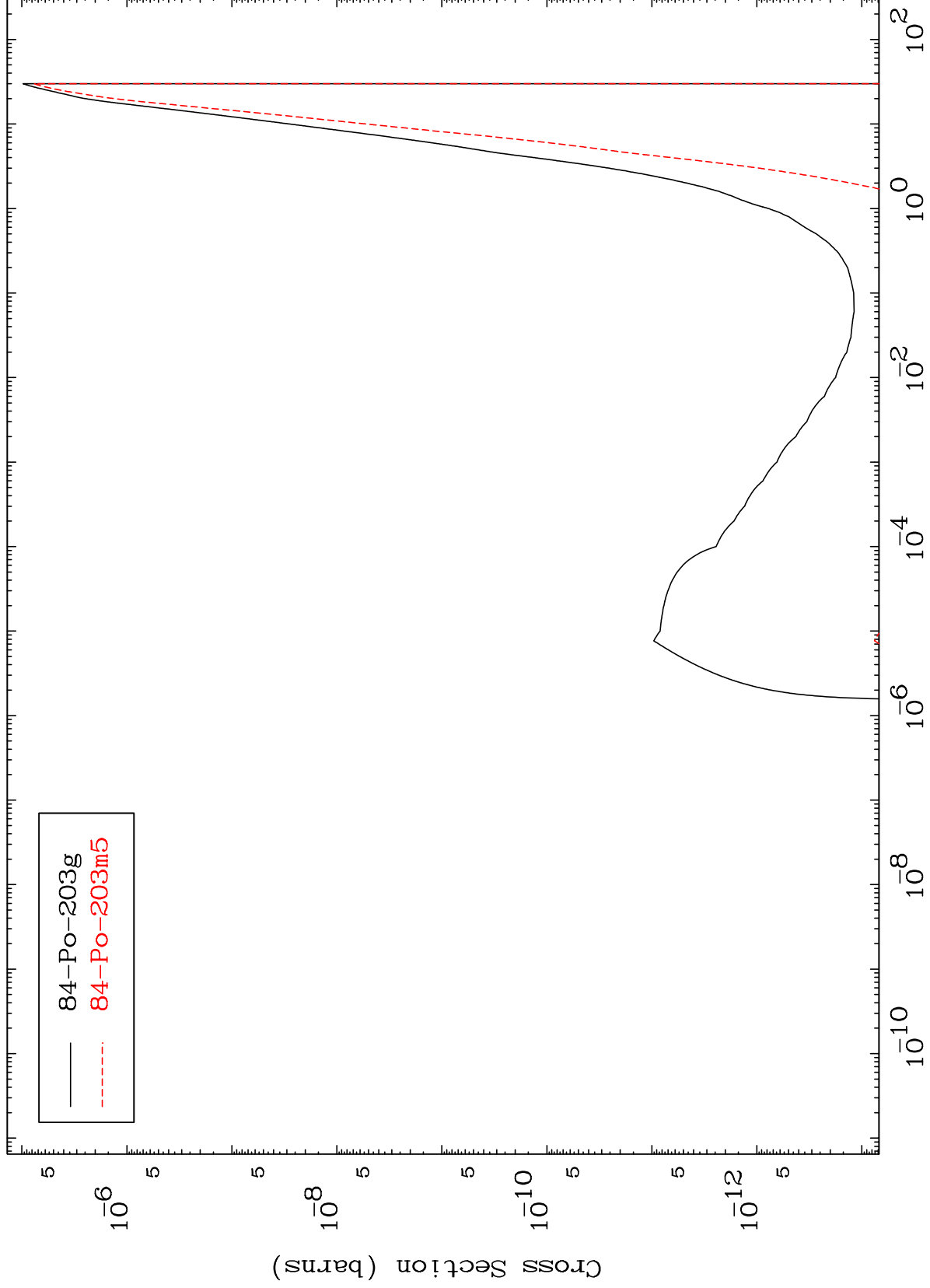
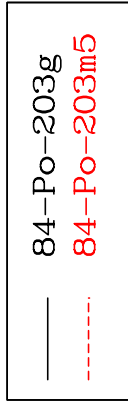


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(n,2α)

88-Ra-210

Radionuclide Production Cross Section



35

Incident Energy (MeV)

88-Ra-210