

Program EVALPLOT  
(Version 2018-1)

by

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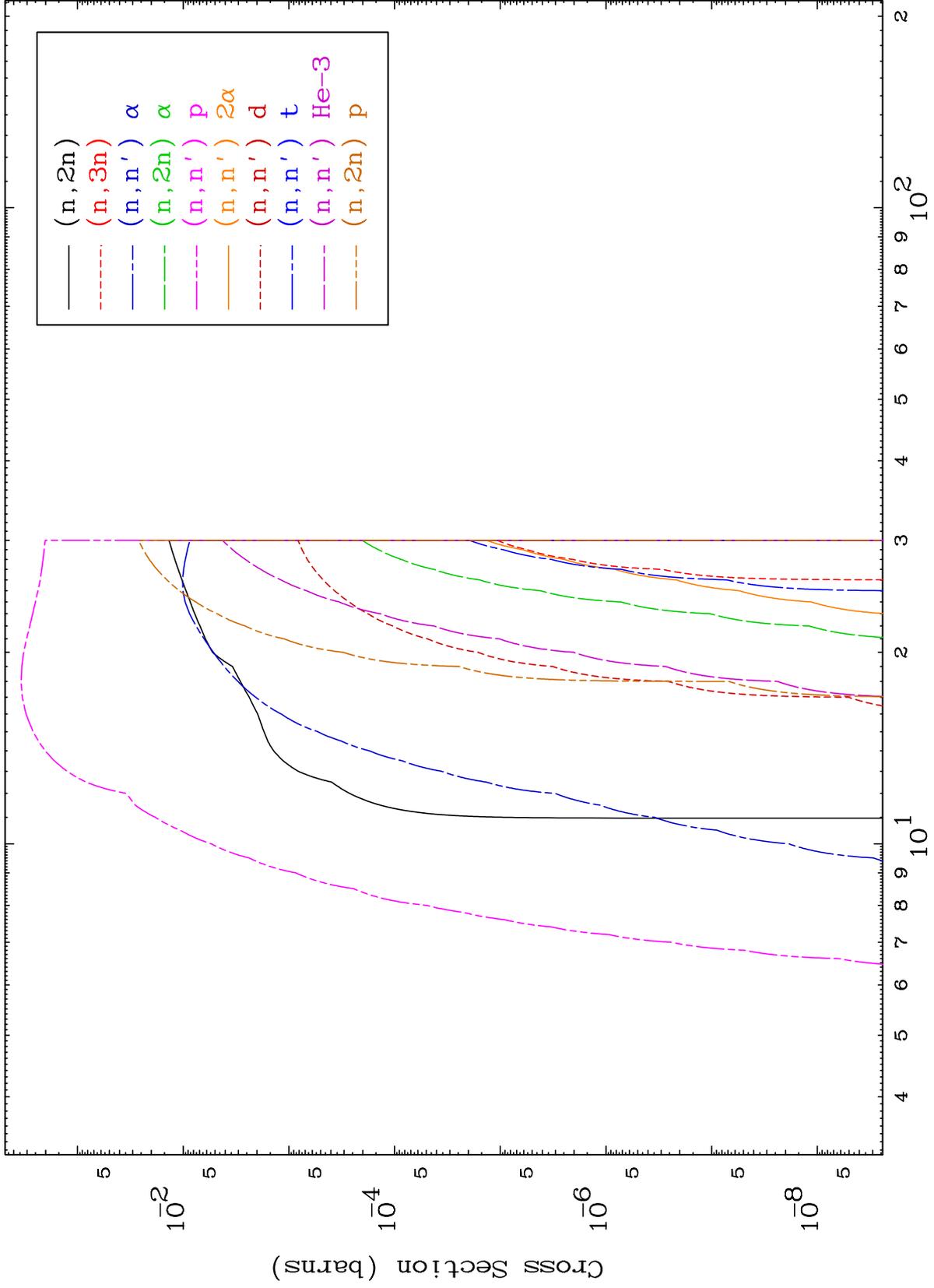
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

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

Press Mouse Button to Start



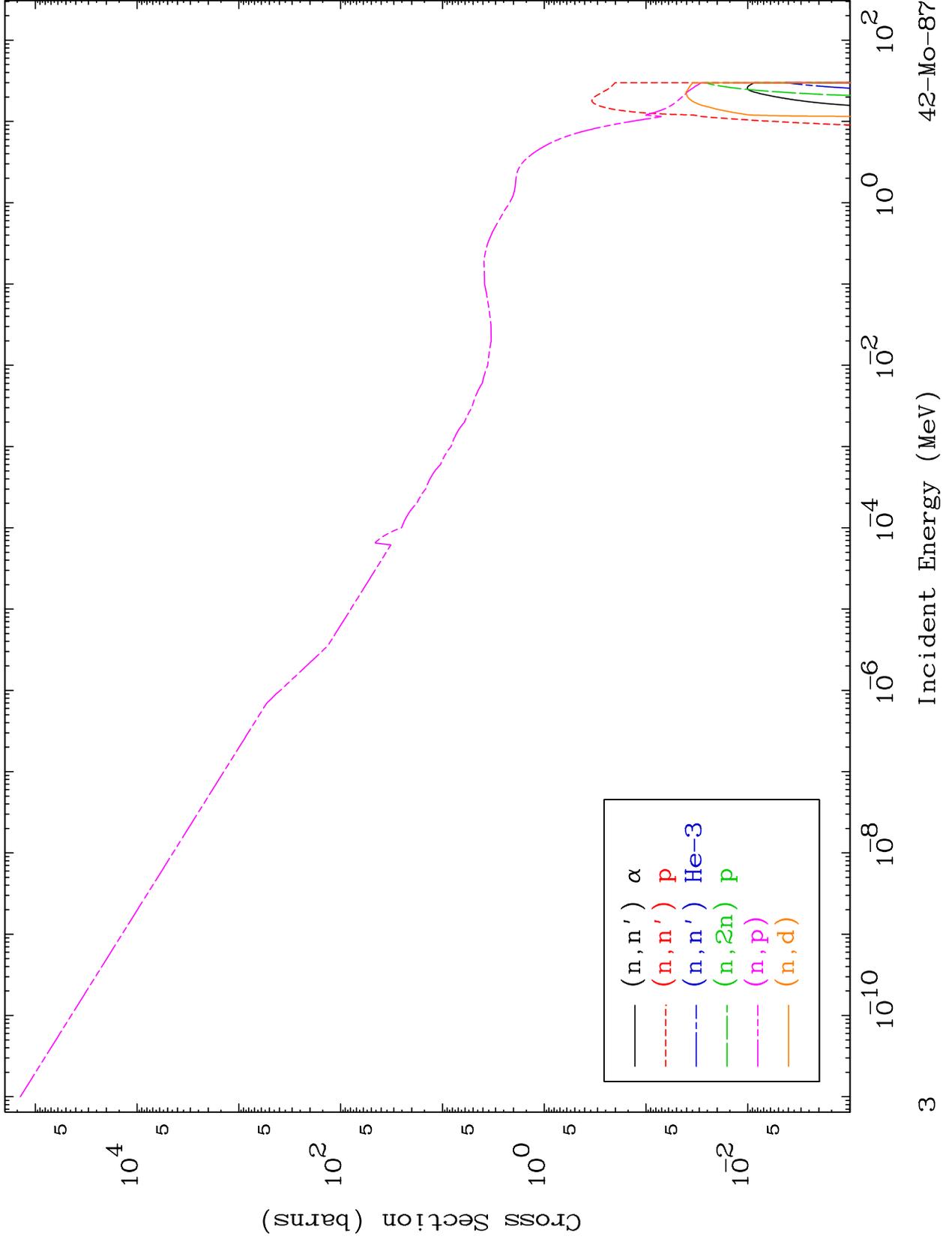
Neutron Production  
293 Kelvin Cross Sections



MAT 4210

Charged Particle  
293 Kelvin Cross Sections

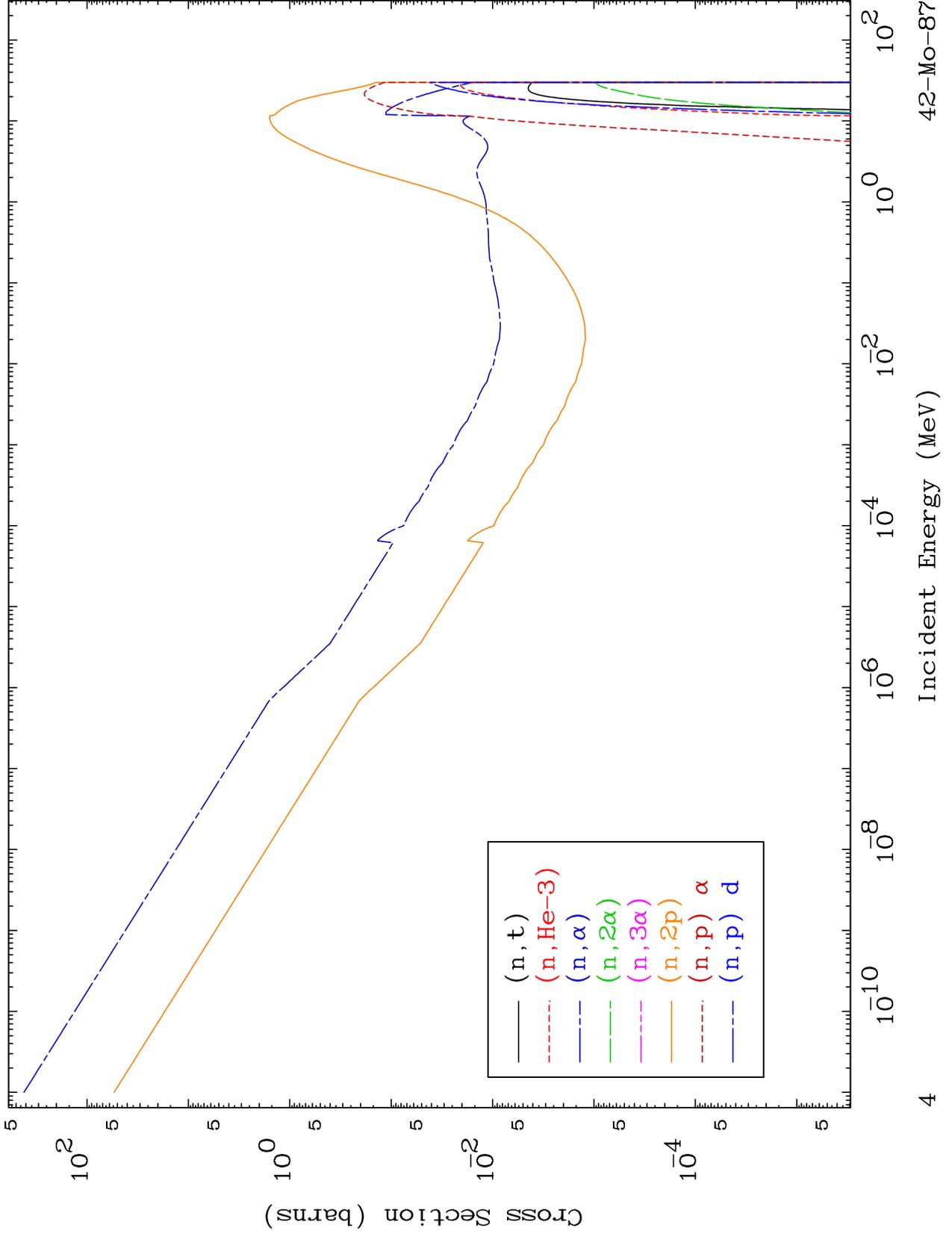
42-Mo-87

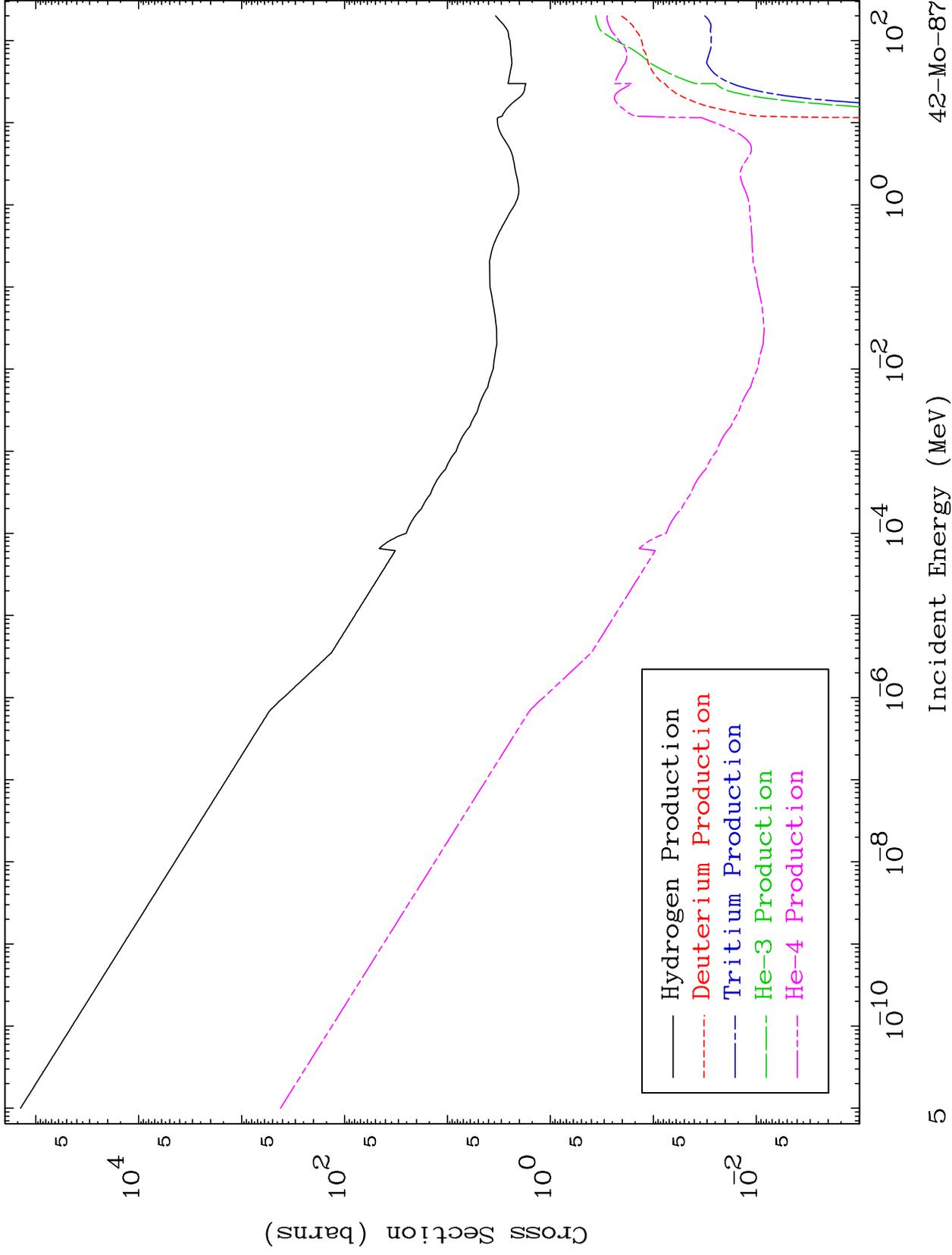


MAT 4210

Charged Particle  
293 Kelvin Cross Sections

42-Mo-87



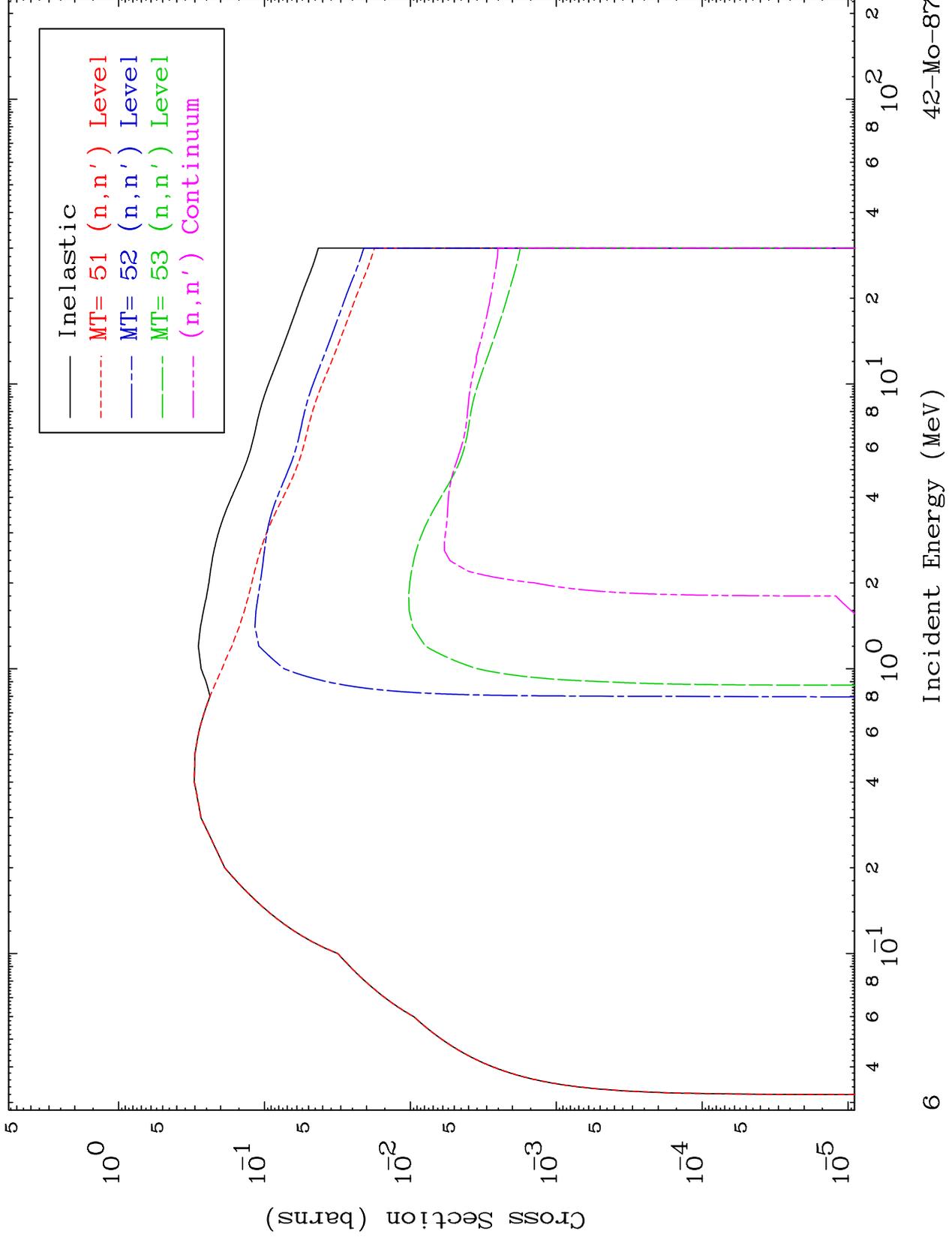


MAT 4210

(n,n') Level

42-Mo-87

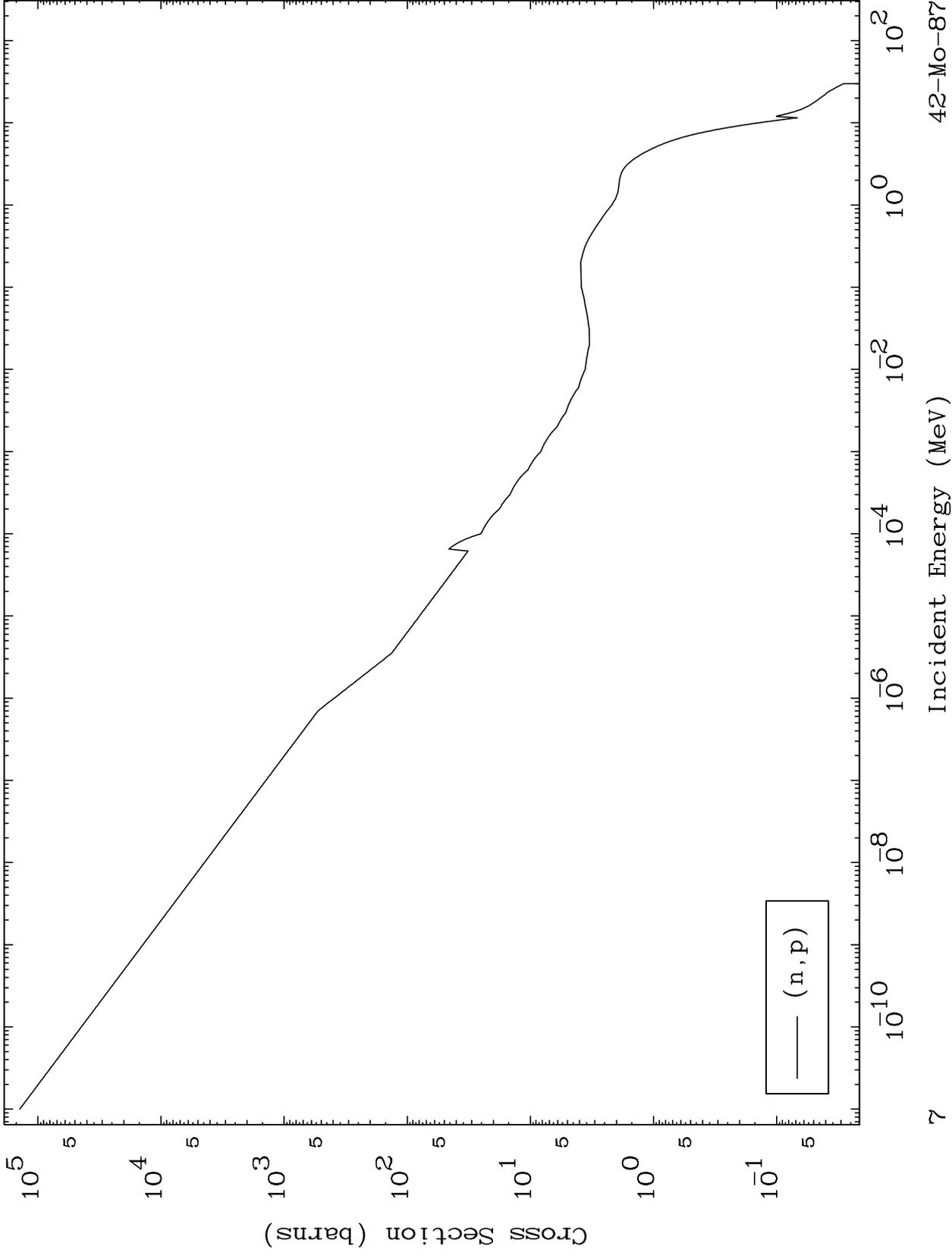
293 Kelvin Cross Sections



MAT 4210

(n,p) Levels  
293 Kelvin Cross Sections

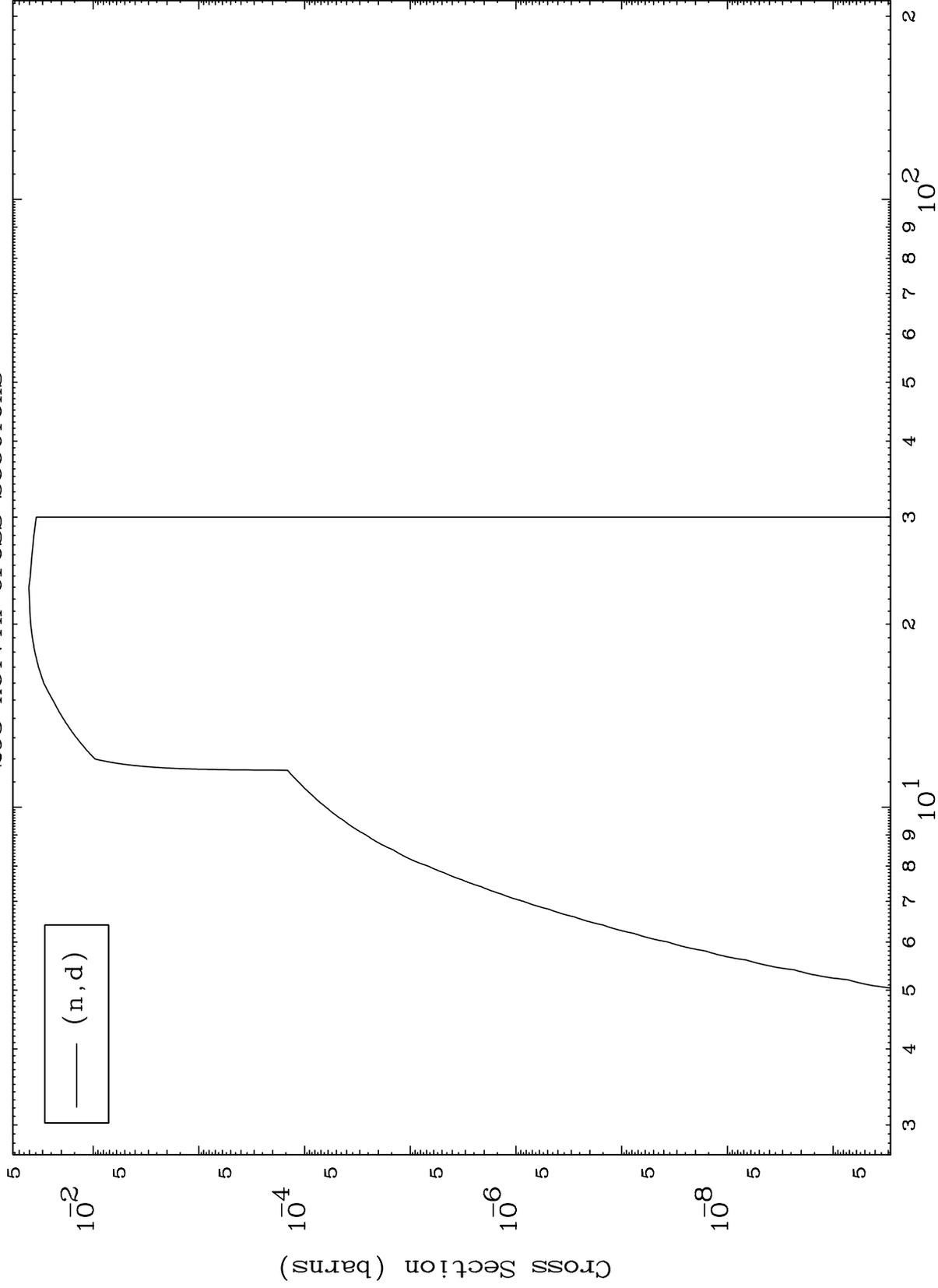
42-Mo-87



MAT 4210

(n,d) Levels  
293 Kelvin Cross Sections

42-Mo-87



8

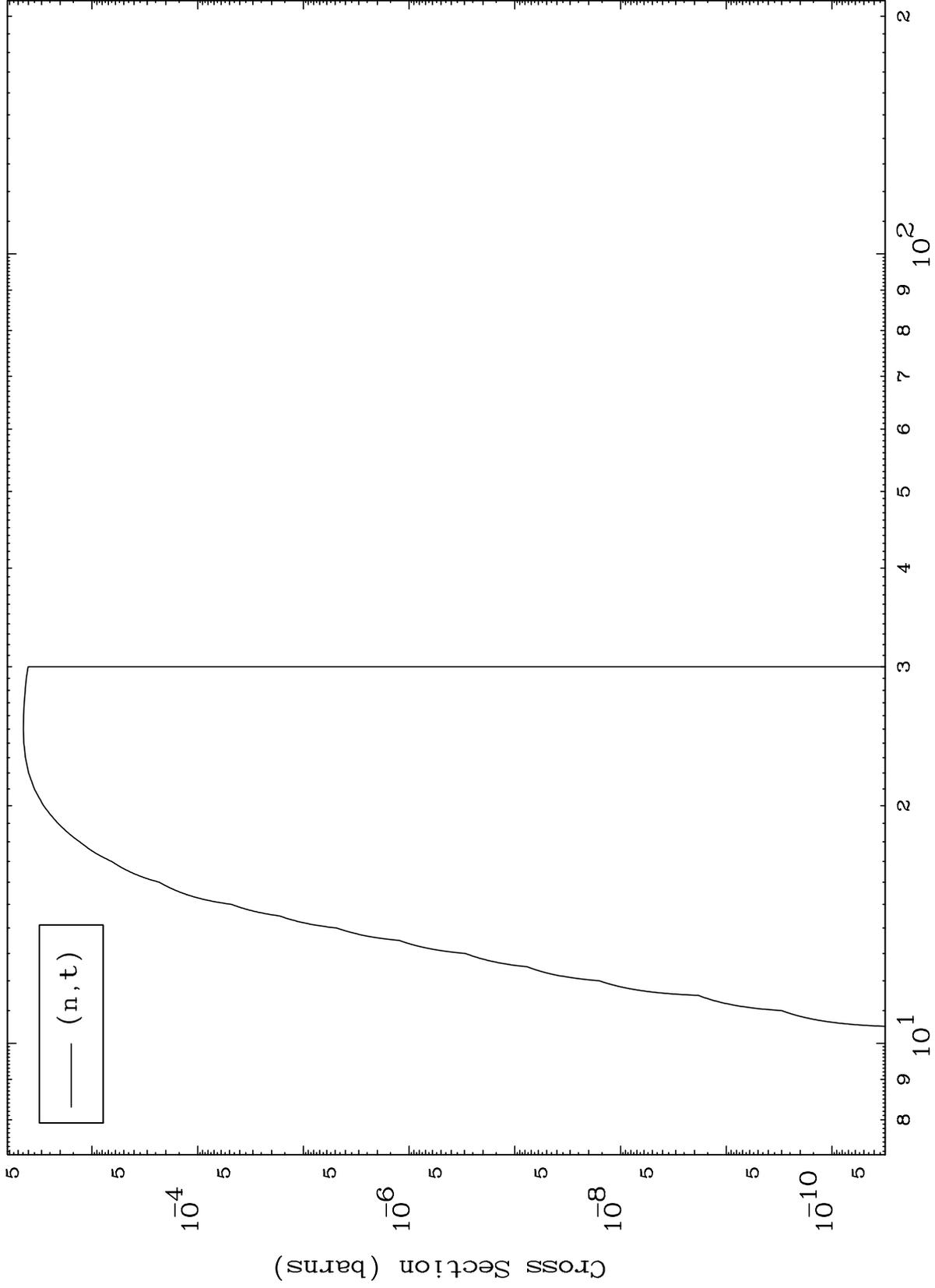
Incident Energy (MeV)

42-Mo-87

MAT 4210

(n,t) Levels  
293 Kelvin Cross Sections

42-Mo-87



9

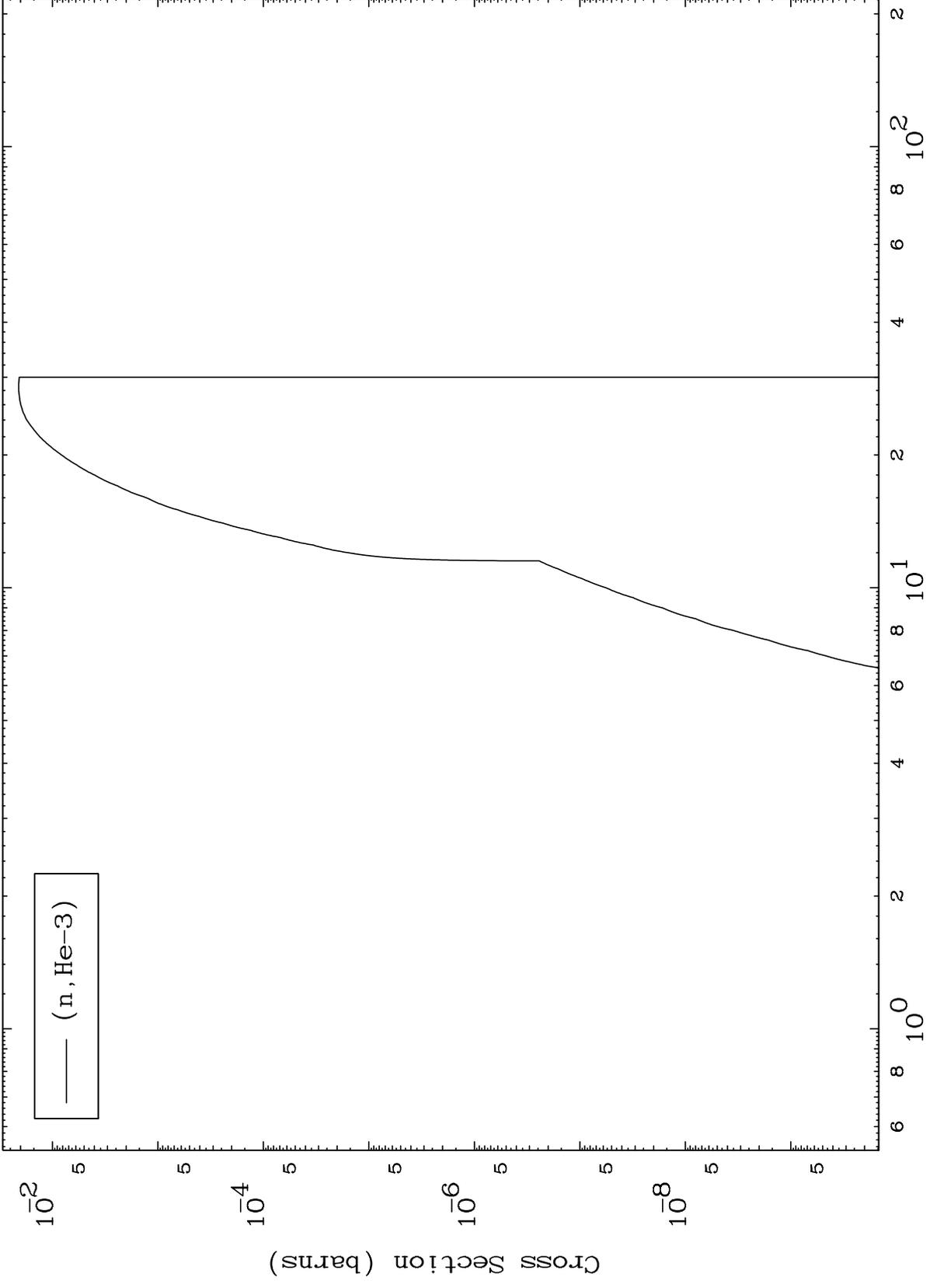
Incident Energy (MeV)

42-Mo-87

MAT 4210

(n,He3) Levels  
293 Kelvin Cross Sections

42-Mo-87



10

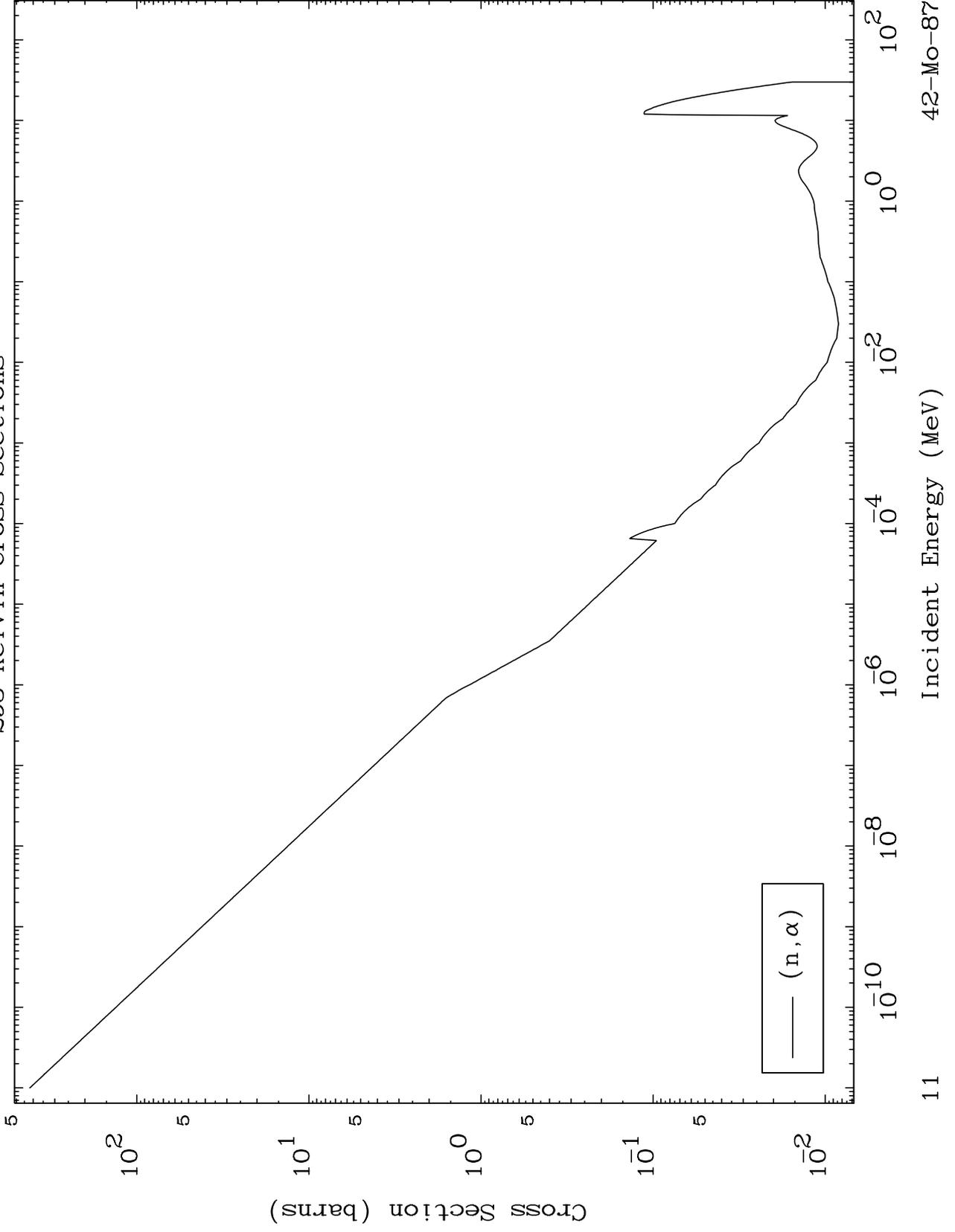
Incident Energy (MeV)

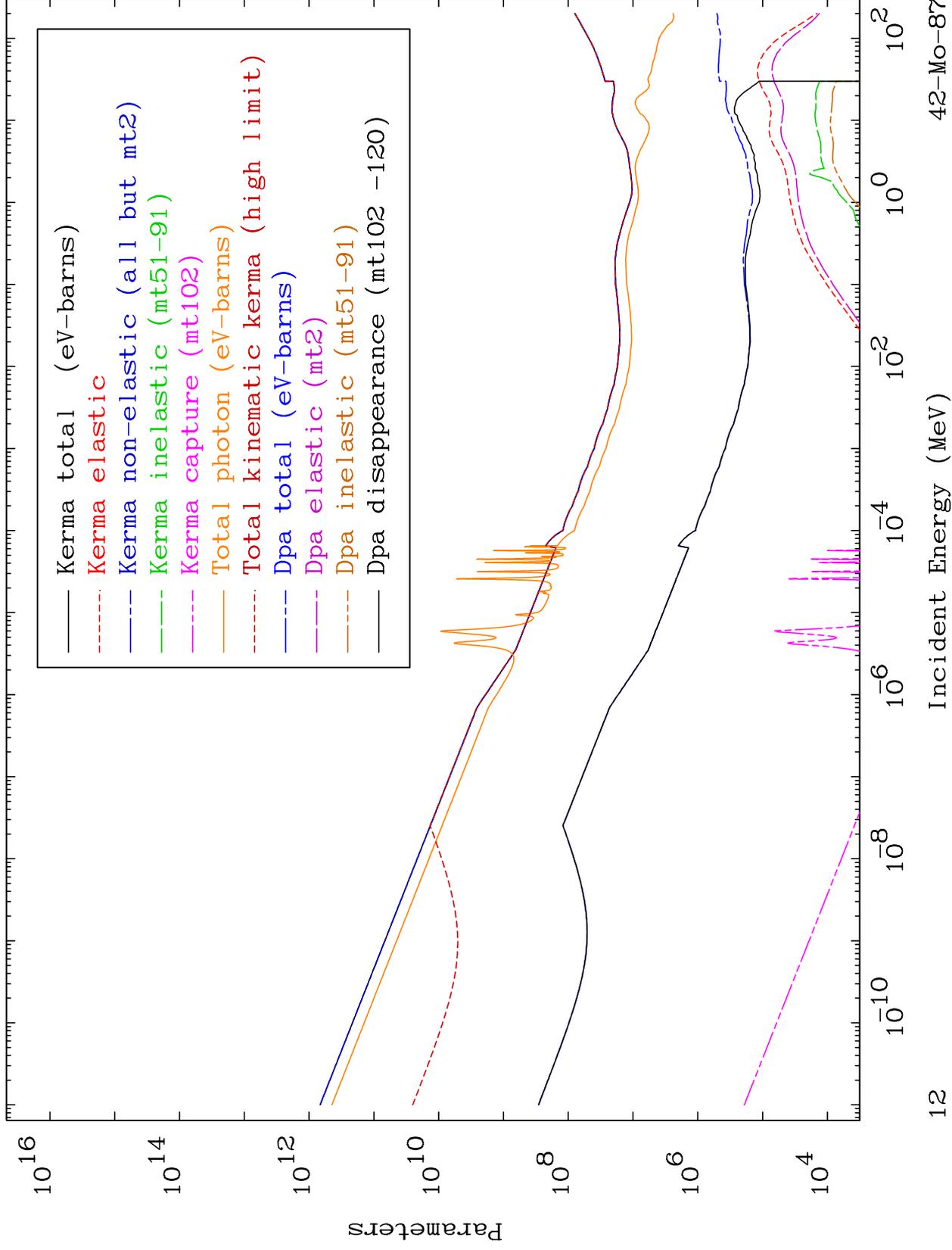
42-Mo-87

MAT 4210

(n,α) Levels  
293 Kelvin Cross Sections

42-Mo-87

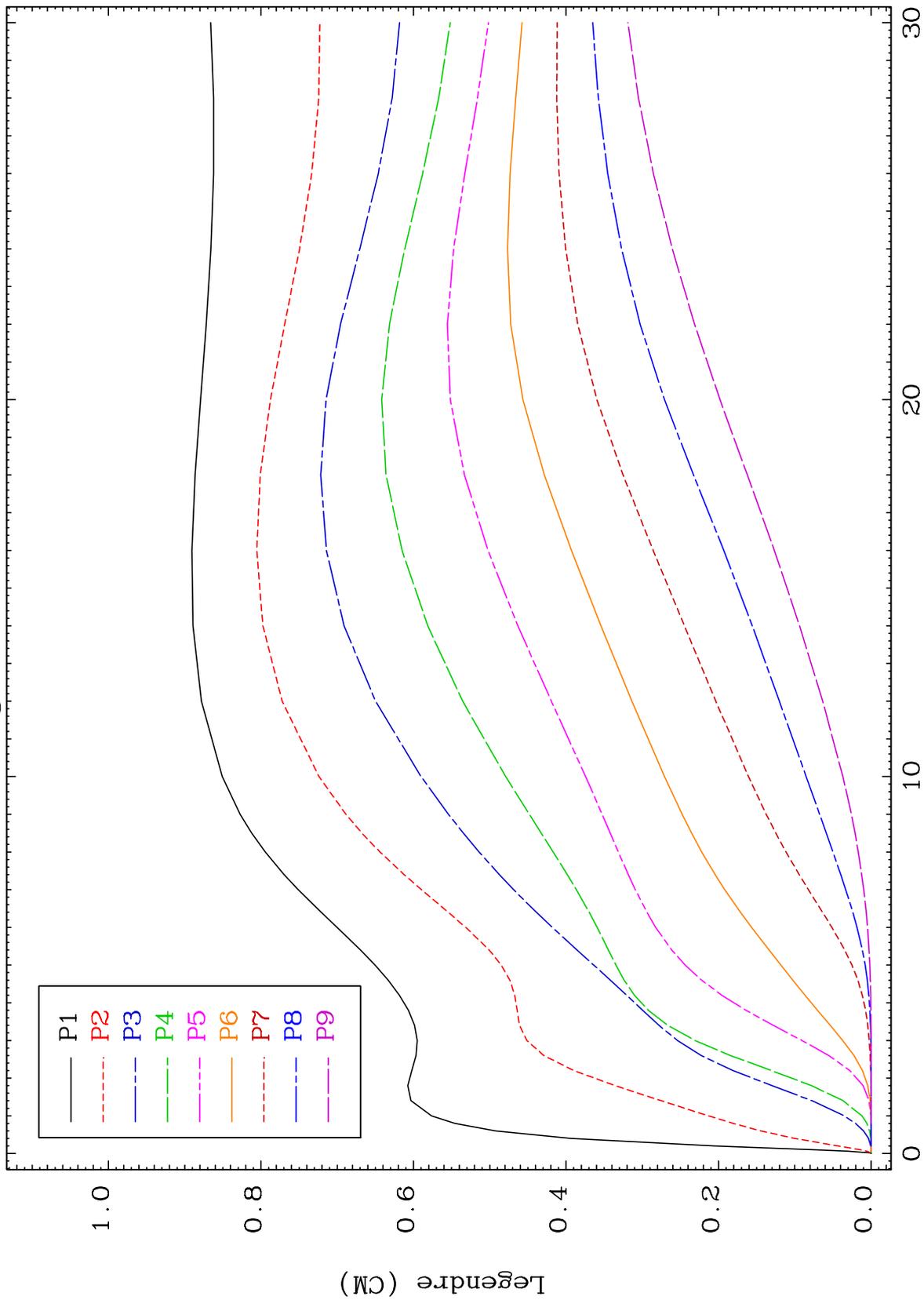




MAT 4210

Elastic Legendre Coefficients

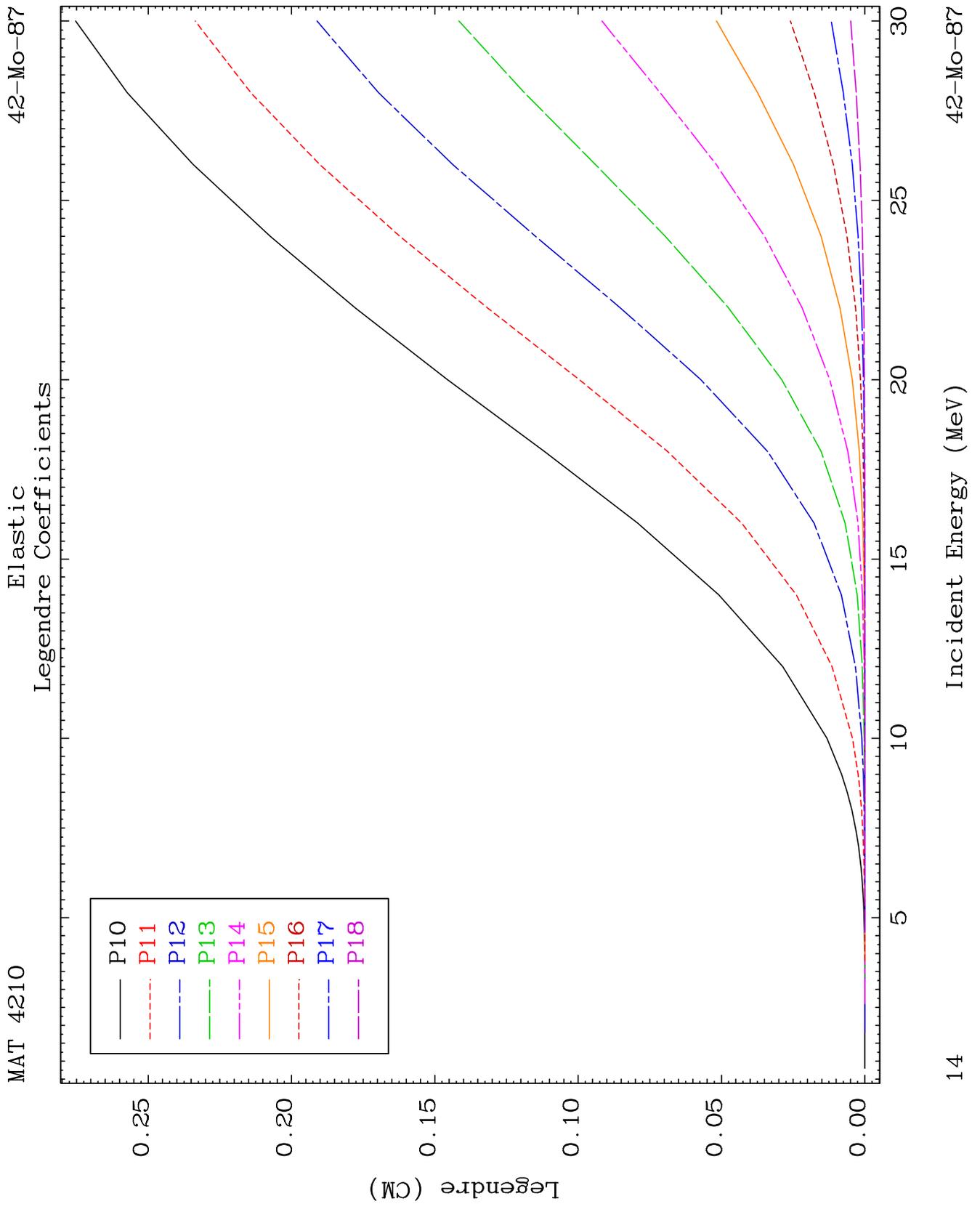
42-Mo-87

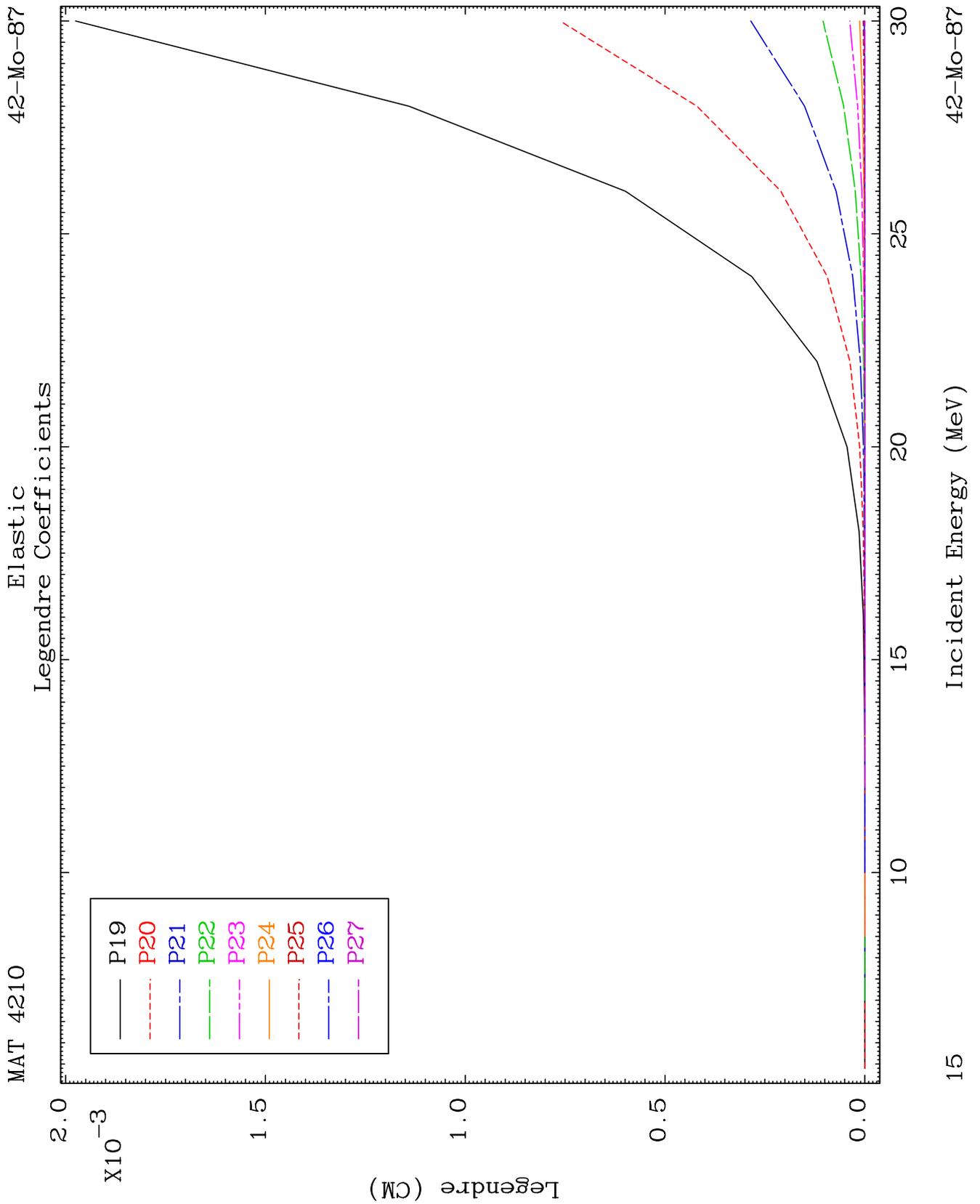


13

Incident Energy (MeV)

42-Mo-87





MAT 4210

Elastic Legendre Coefficients

42-Mo-87

15

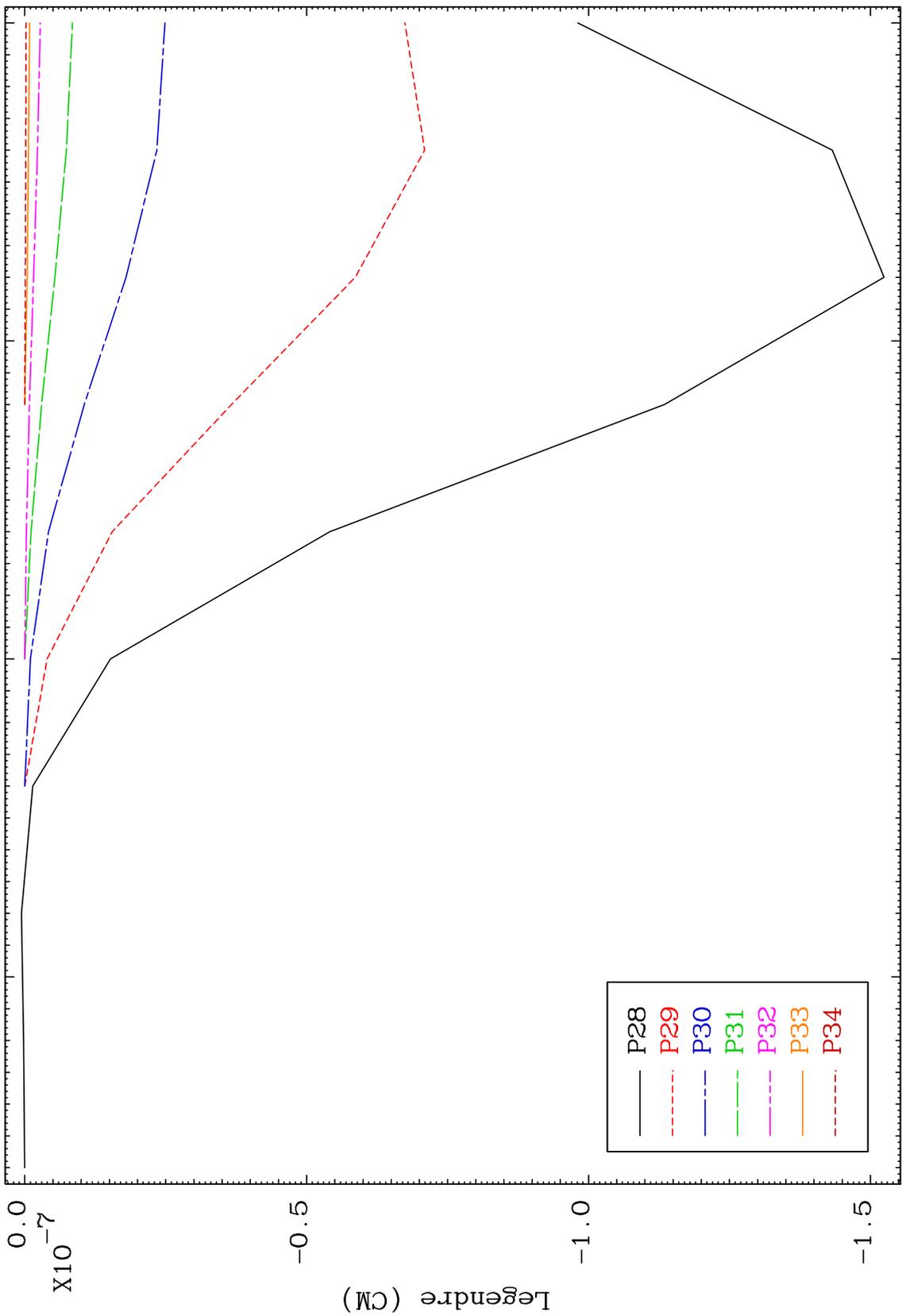
Incident Energy (MeV)

42-Mo-87

MAT 4210

42-Mo-87

Elastic Legendre Coefficients



0.0

$\times 10^{-7}$

-0.5

-1.0

-1.5

15

20

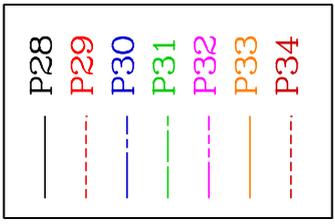
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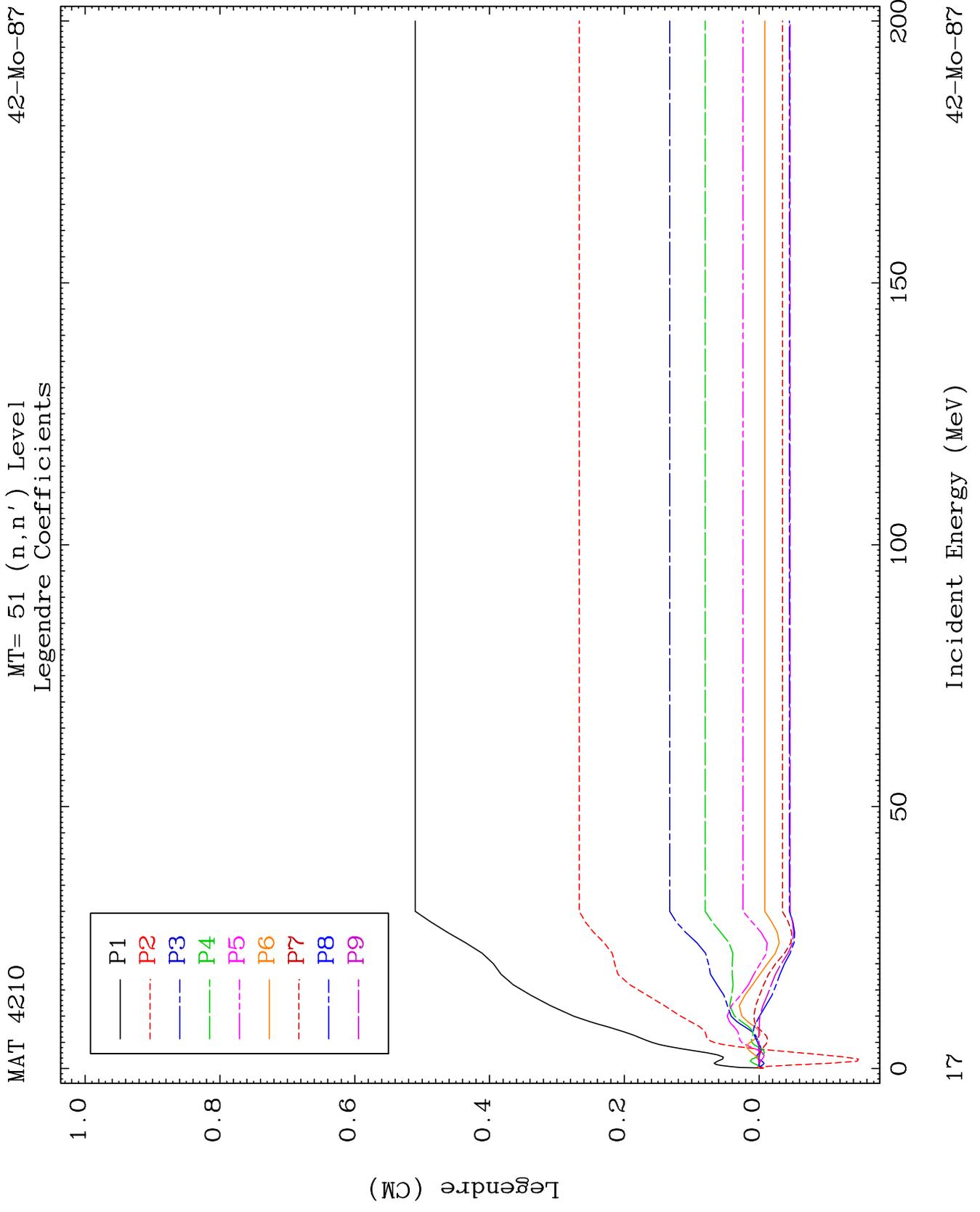
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16

Incident Energy (MeV)

42-Mo-87



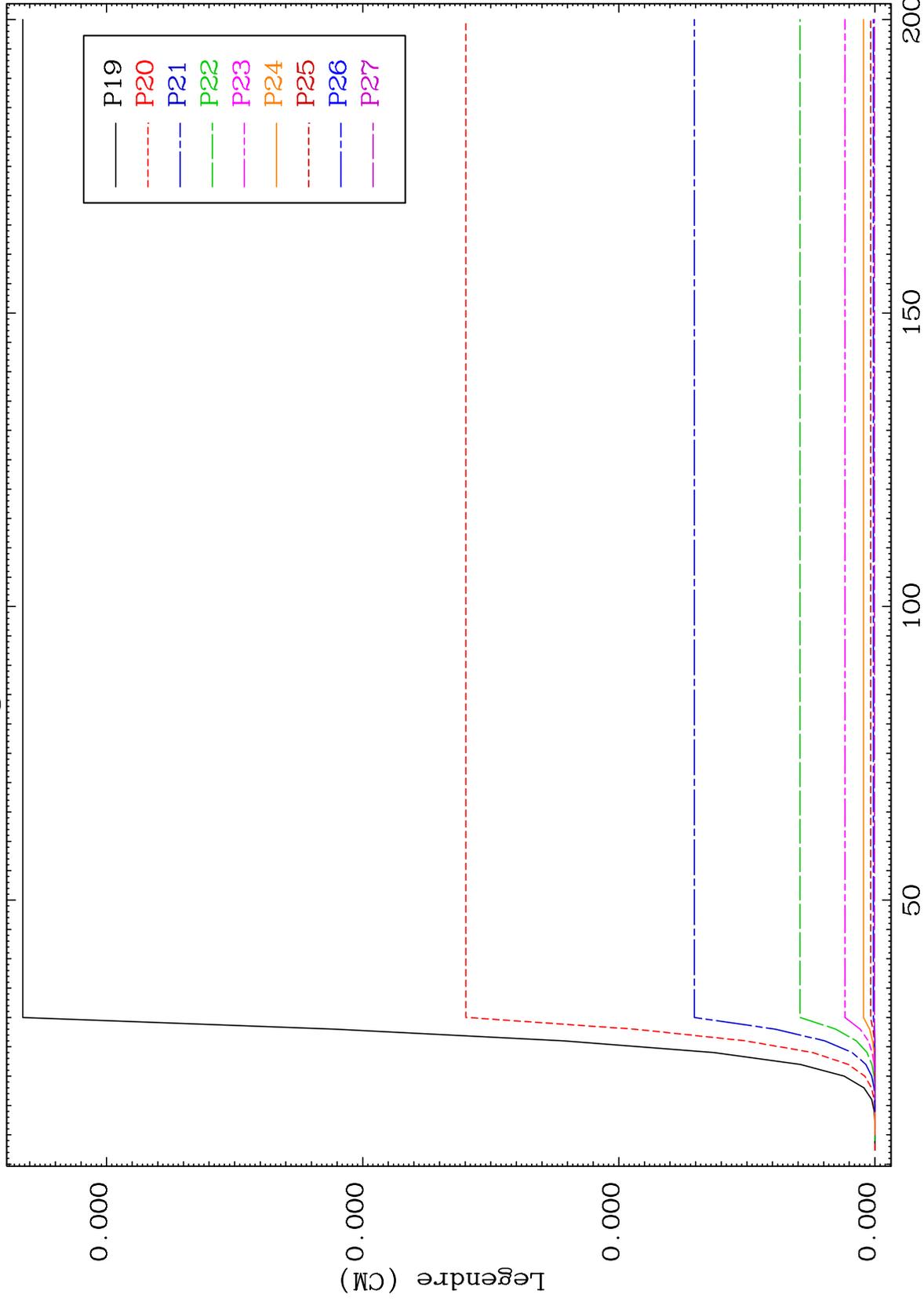




MAT 4210

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

42-Mo-87



19

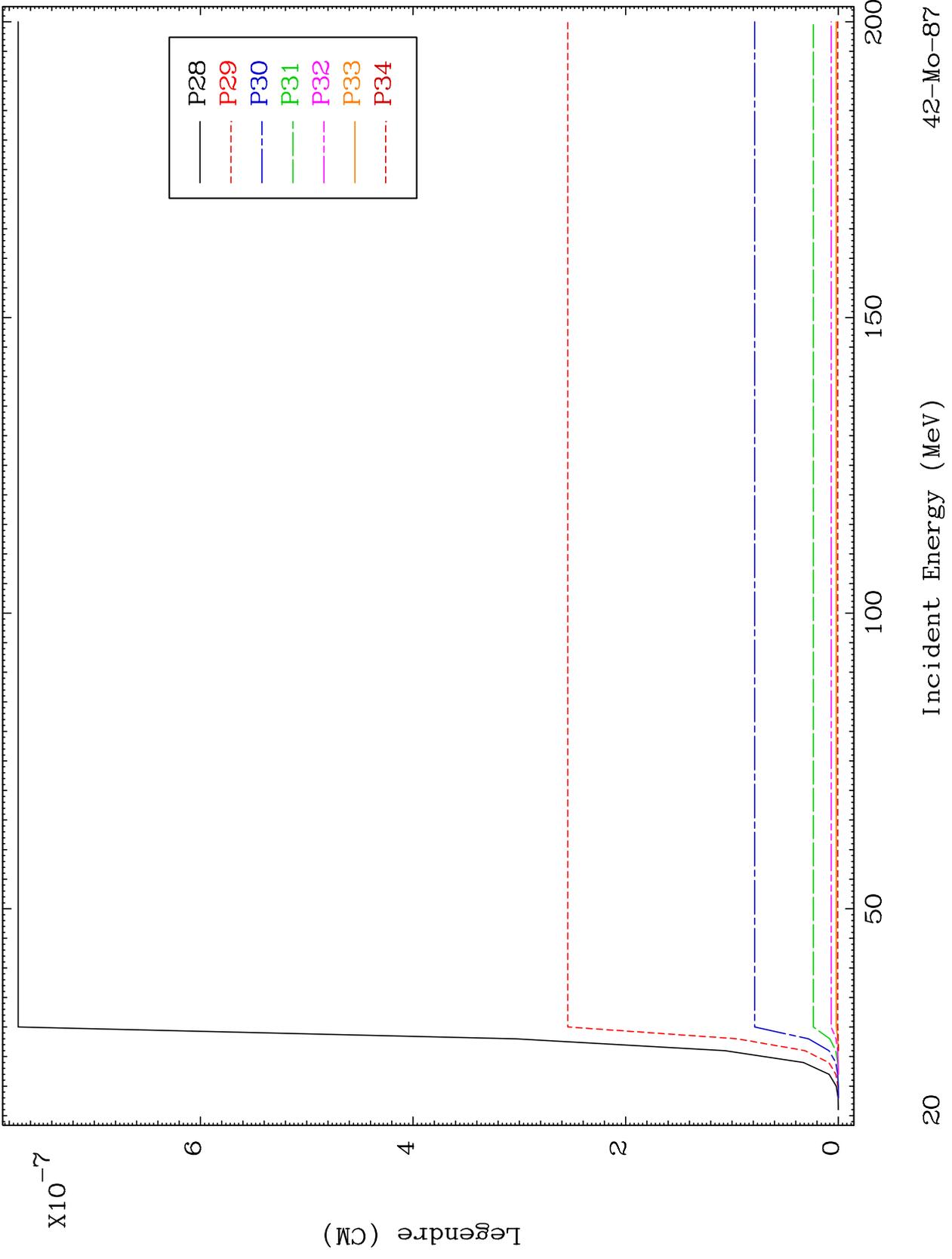
Incident Energy (MeV)

42-Mo-87

MAT 4210

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

42-Mo-87



20

50

100

150

200

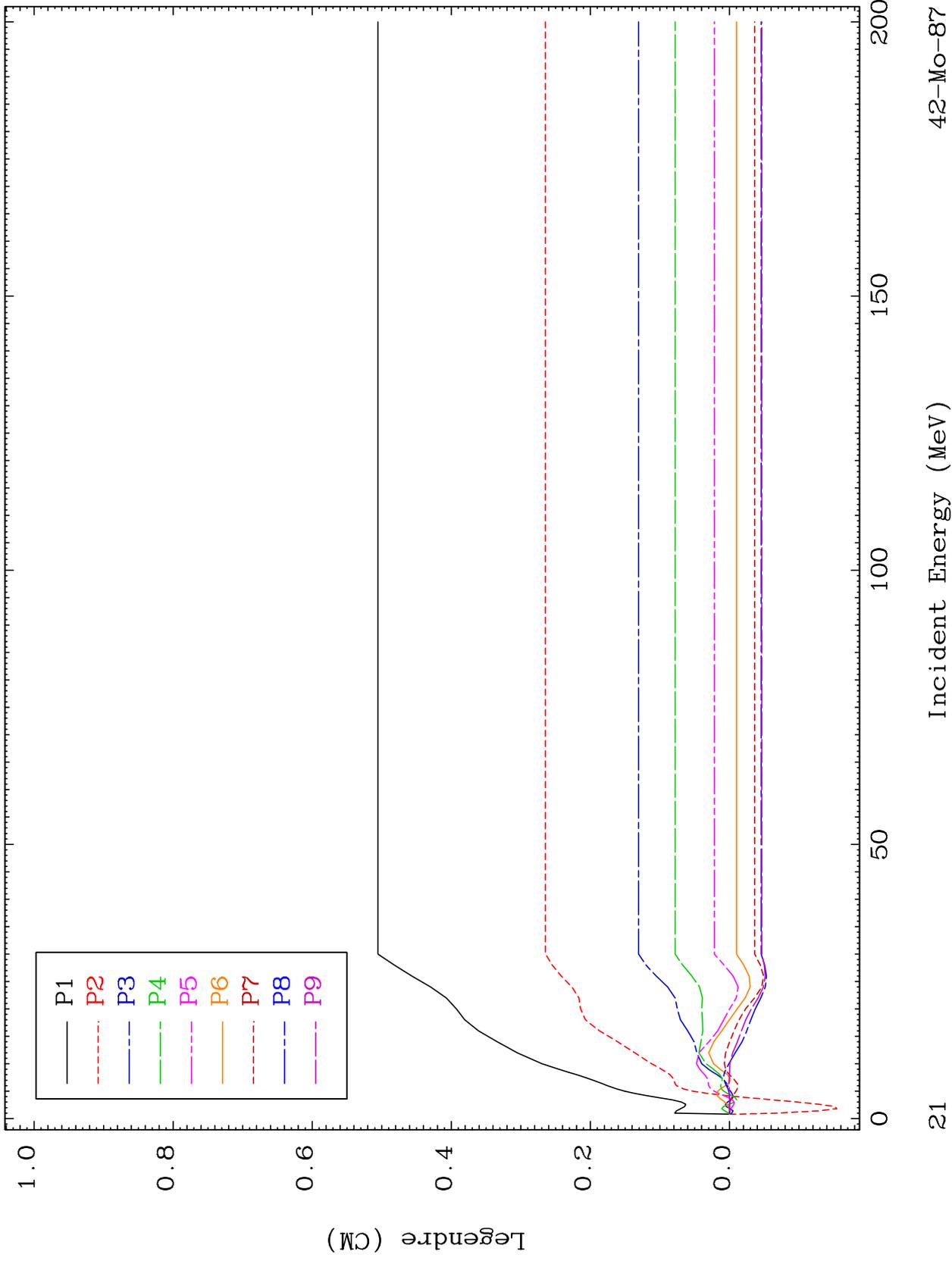
Incident Energy (MeV)

42-Mo-87

MAT 4210

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

42-Mo-87



21

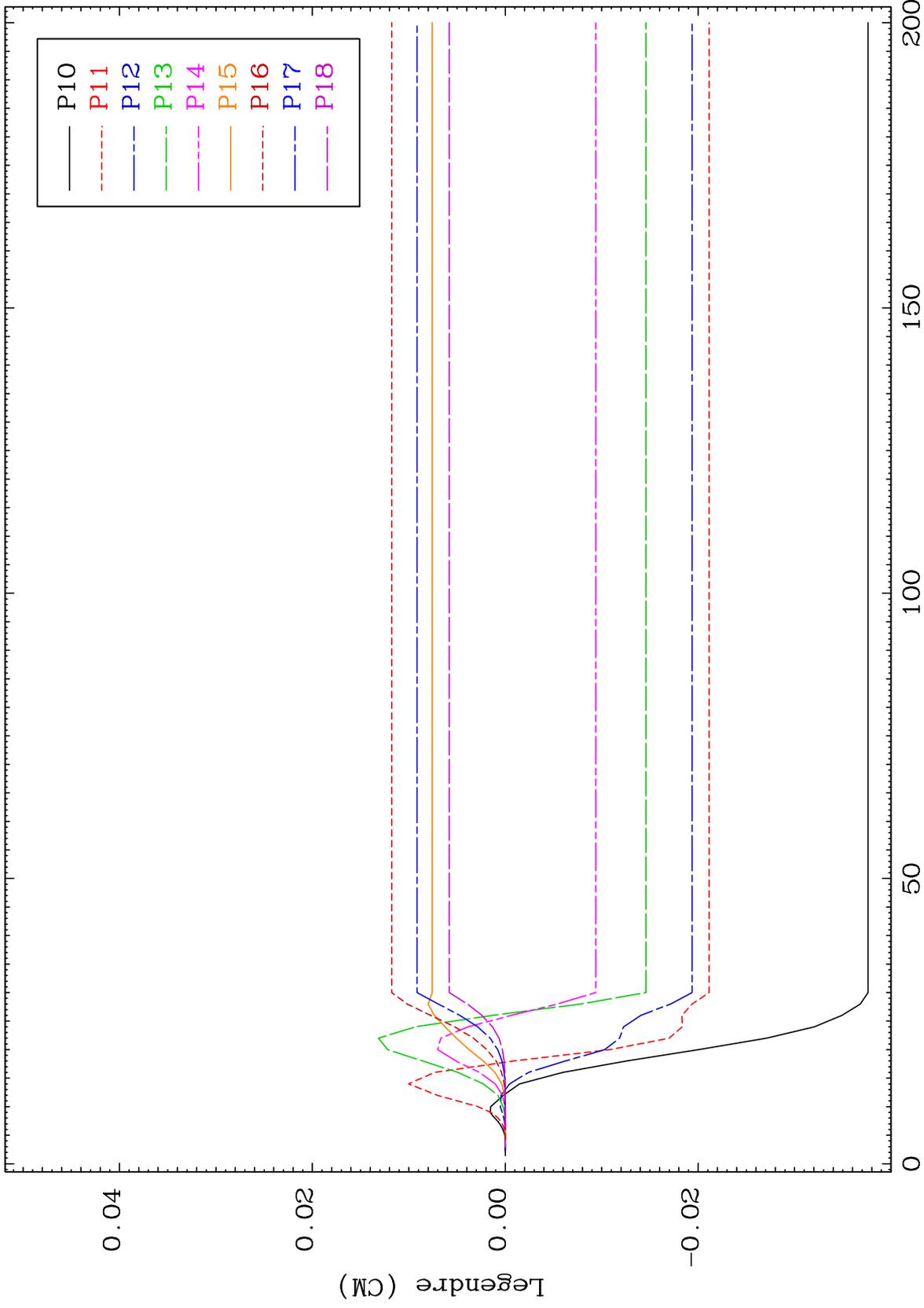
Incident Energy (MeV)

42-Mo-87

MAT 4210

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

42-Mo-87



22

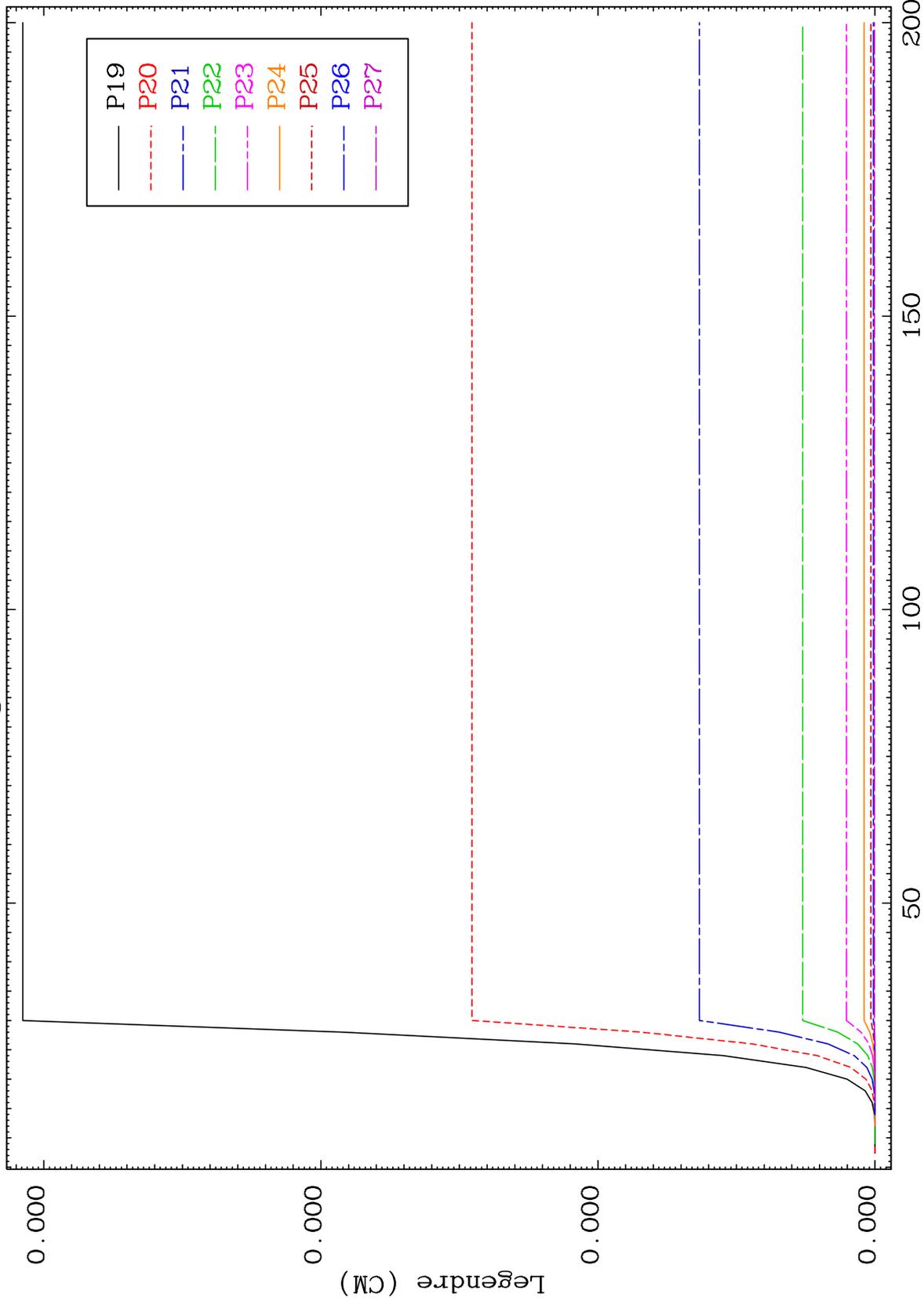
Incident Energy (MeV)

42-Mo-87

MAT 4210

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

42-Mo-87



23

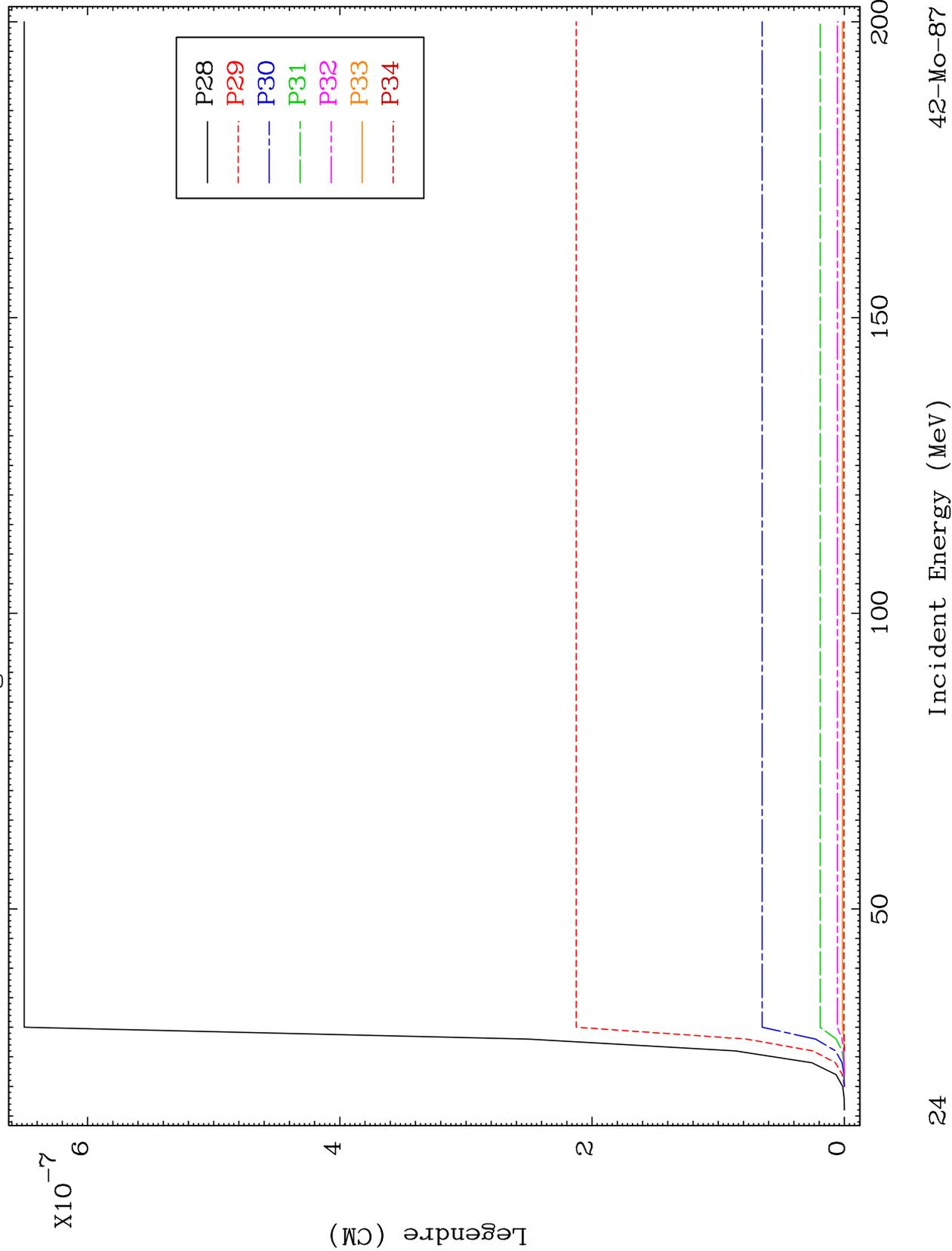
Incident Energy (MeV)

42-Mo-87

MAT 4210

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

42-Mo-87



24

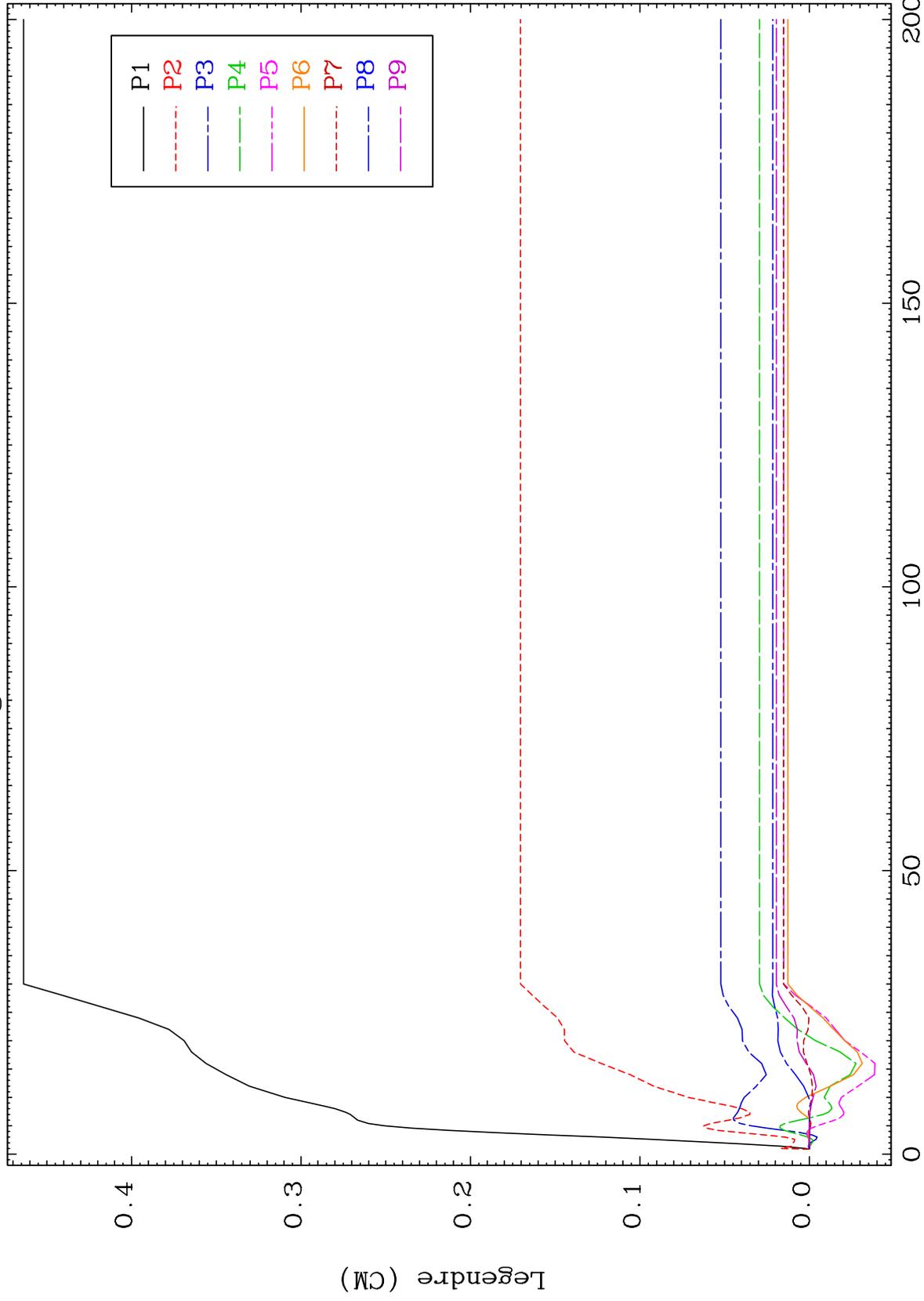
Incident Energy (MeV)

42-Mo-87

MAT 4210

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

42-Mo-87



25

Incident Energy (MeV)

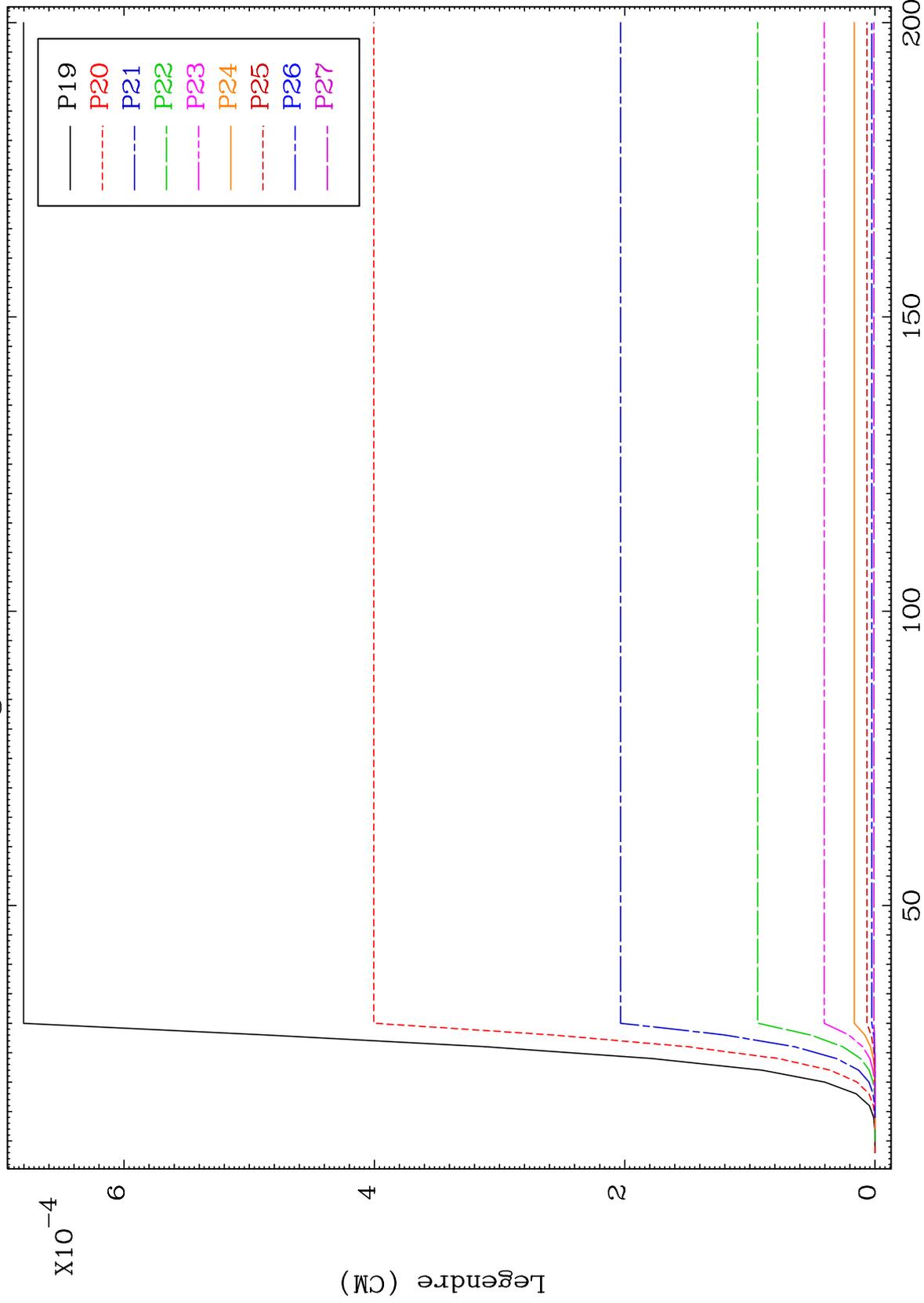
42-Mo-87



MAT 4210

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

42-Mo-87



27

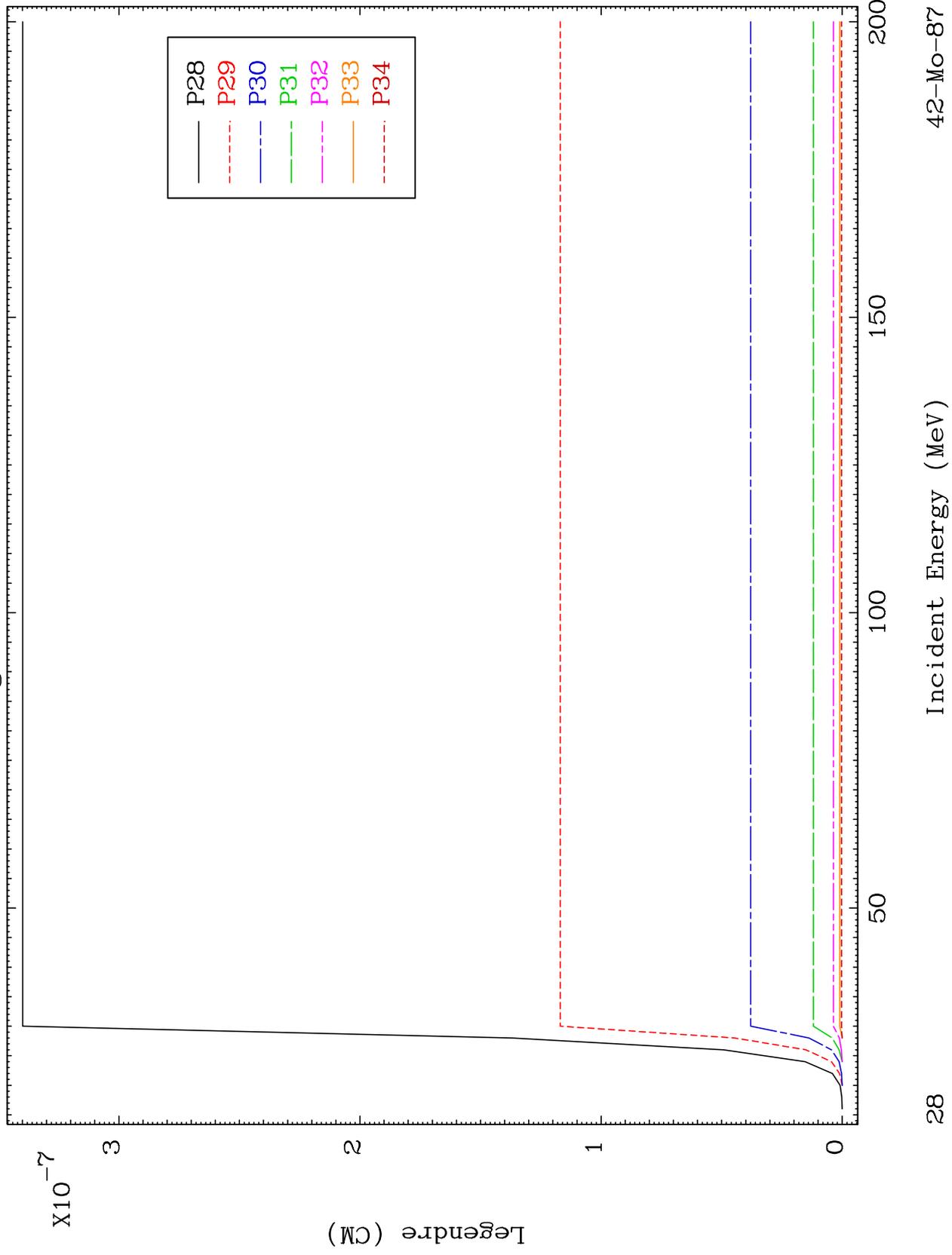
Incident Energy (MeV)

42-Mo-87

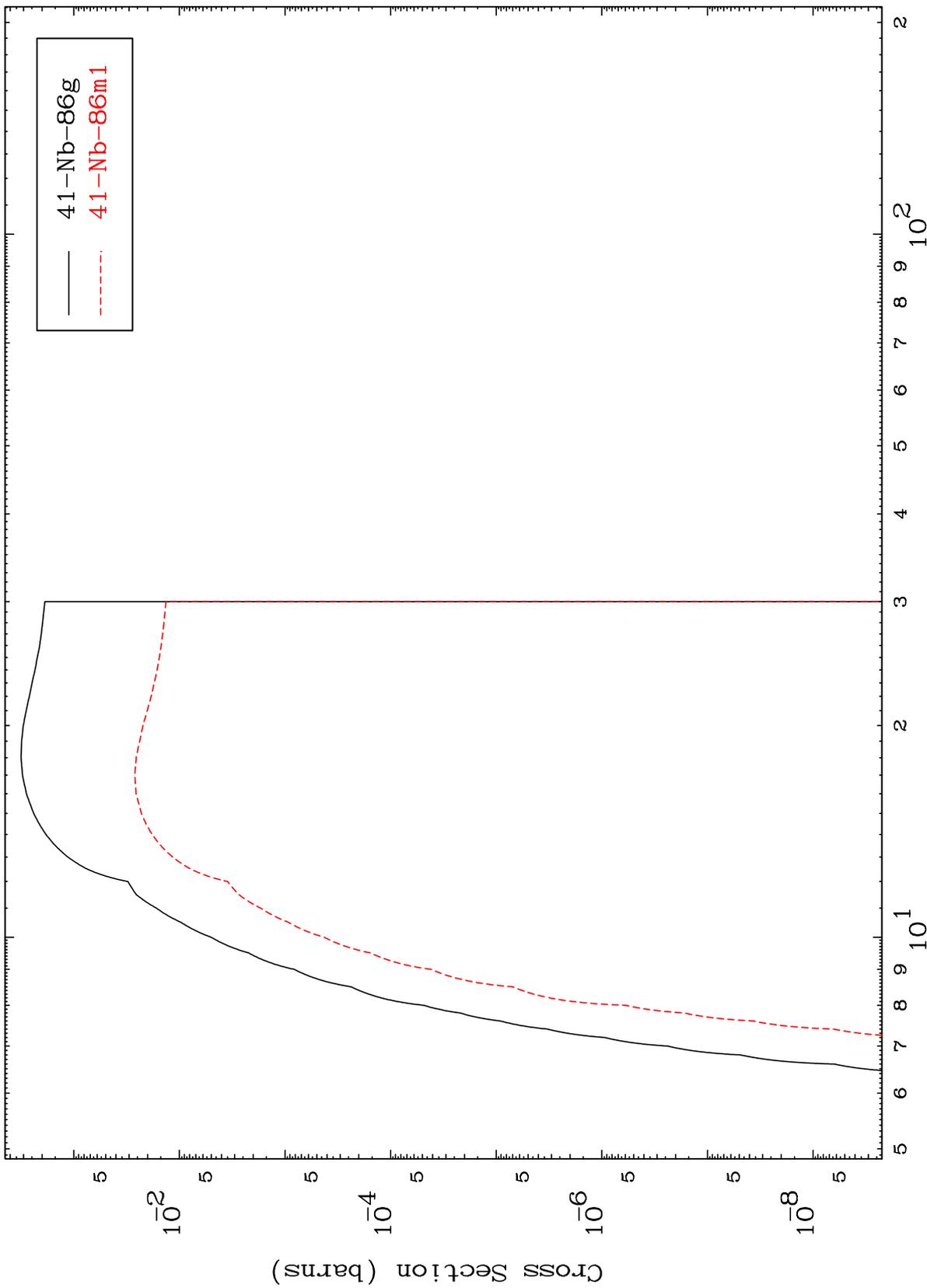
MAT 4210

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

42-Mo-87



(n,n') p  
Radionuclide Production Cross Section

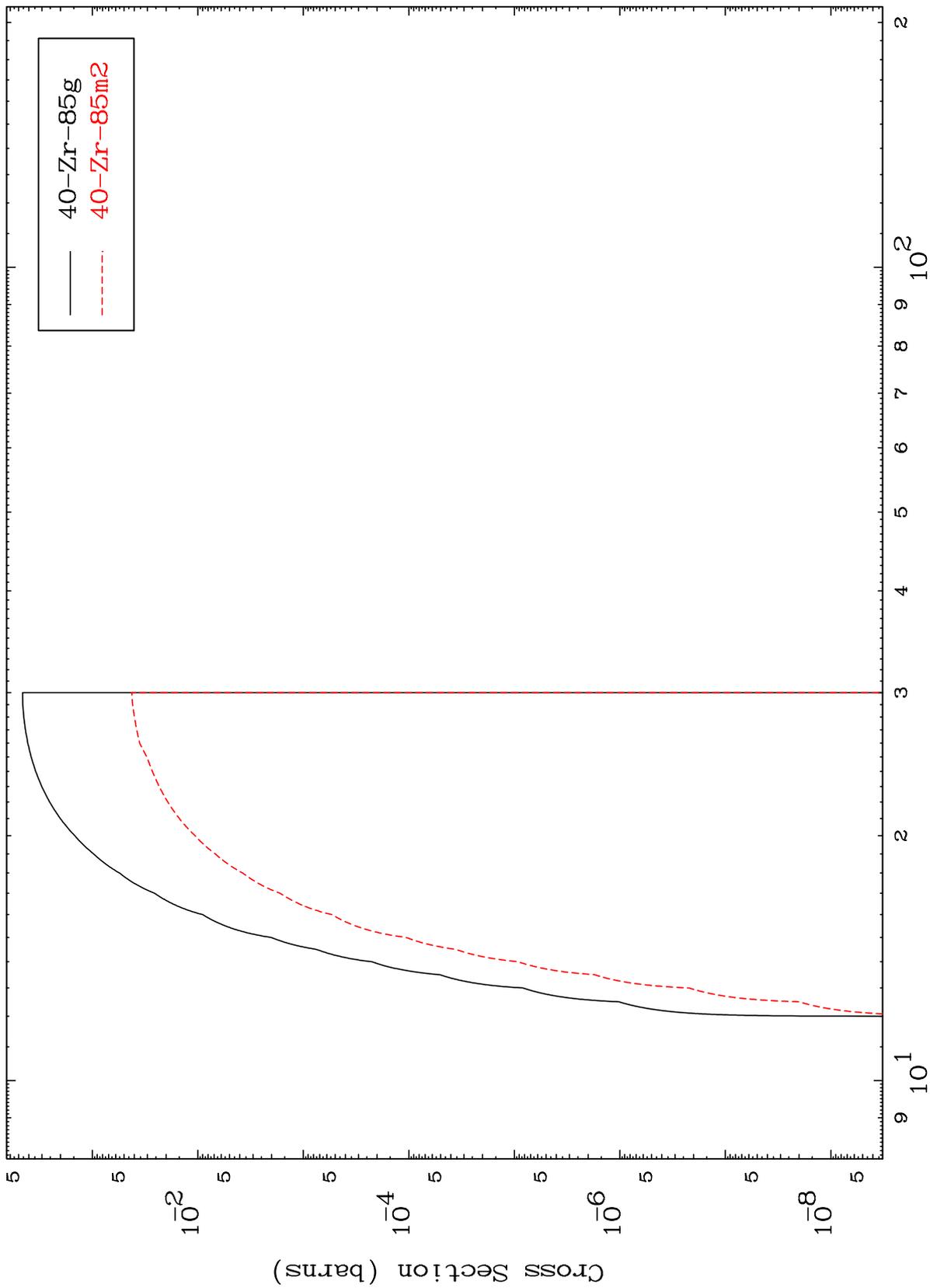


MAT 4210

(n,2n) p

42-Mo-87

Radionuclide Production Cross Section



30

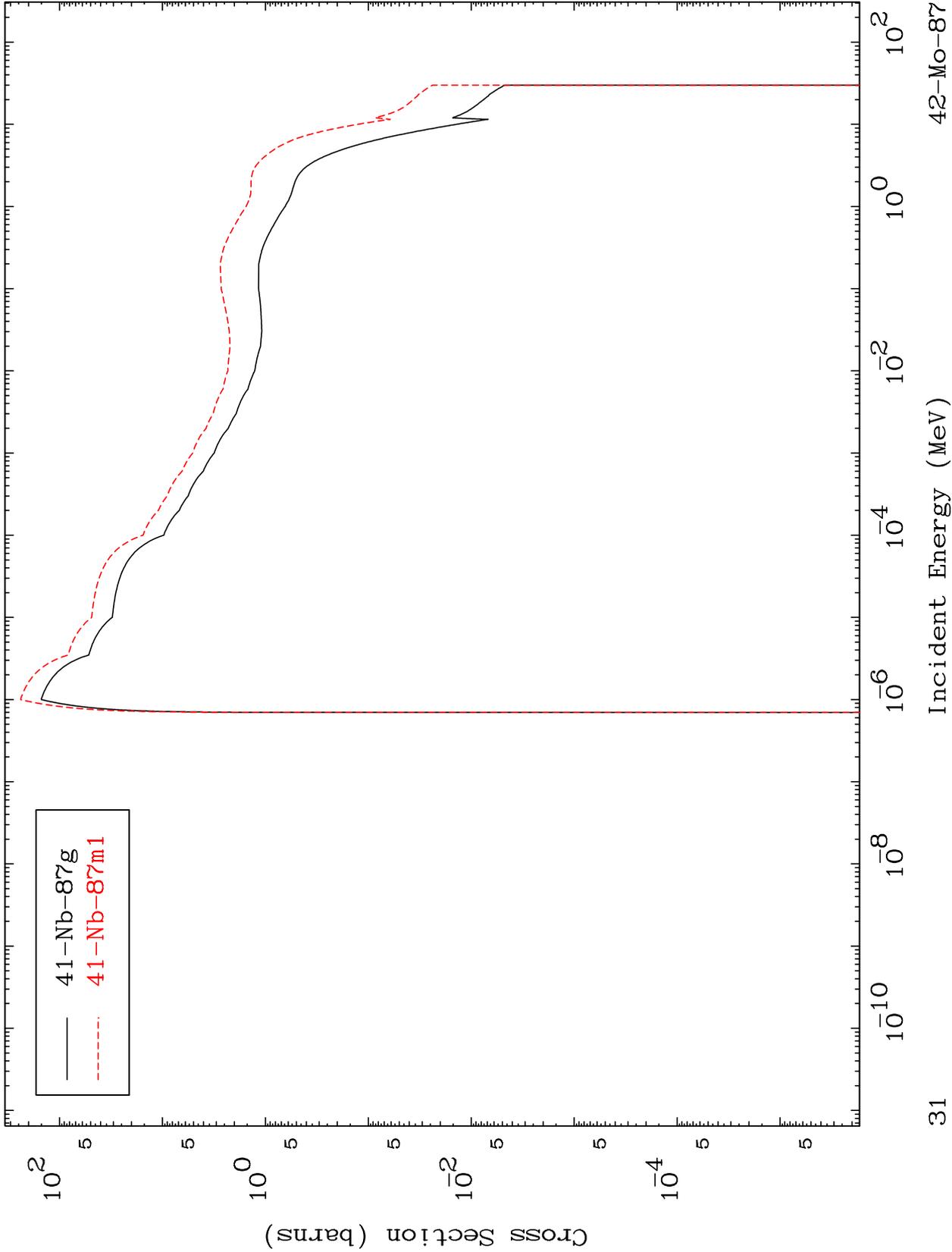
Incident Energy (MeV)

42-Mo-87

MAT 4210

42-Mo-87

(n,p)  
Radionuclide Production Cross Section

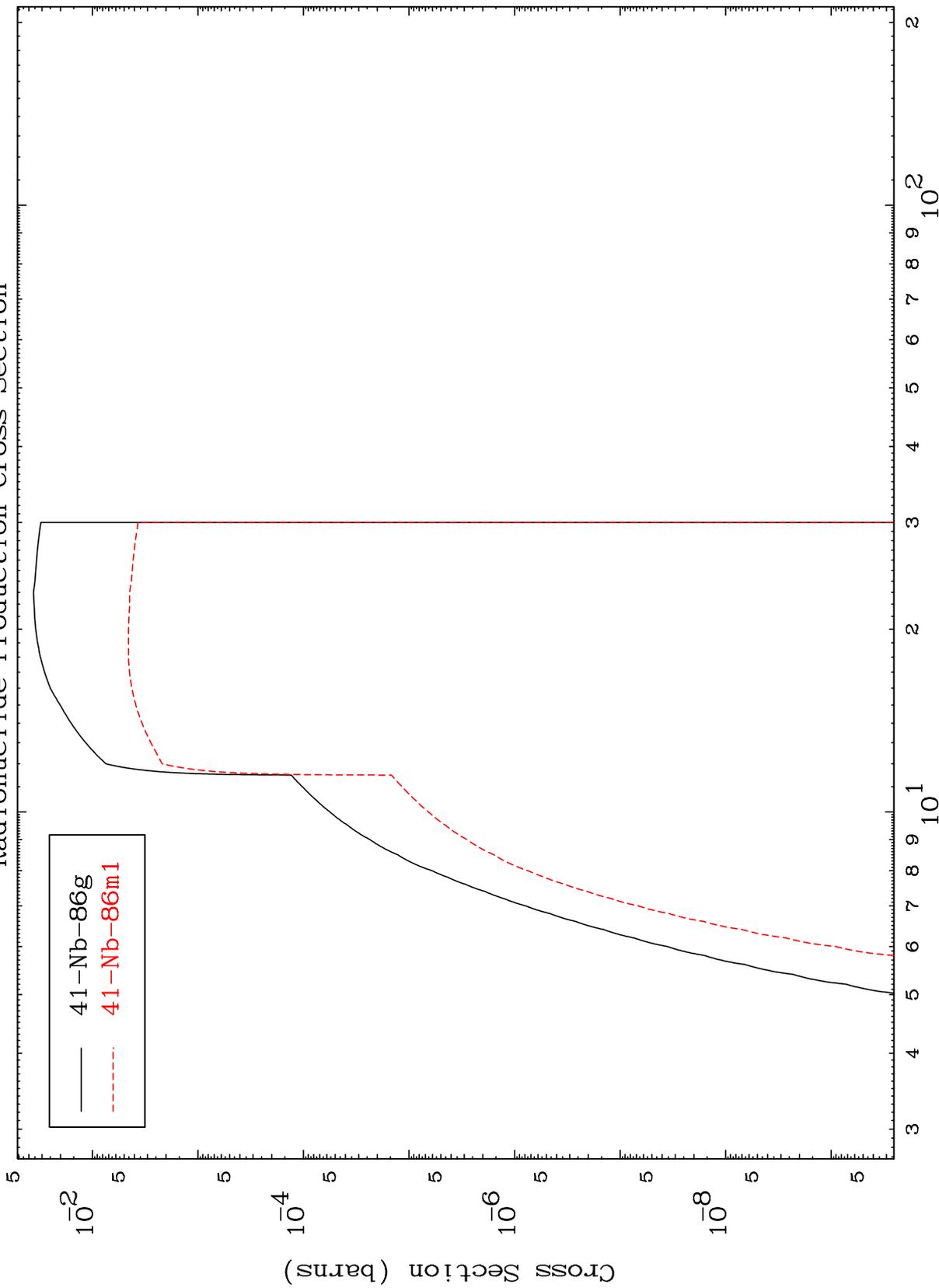


MAT 4210

(n, d)

42-Mo-87

Radionuclide Production Cross Section

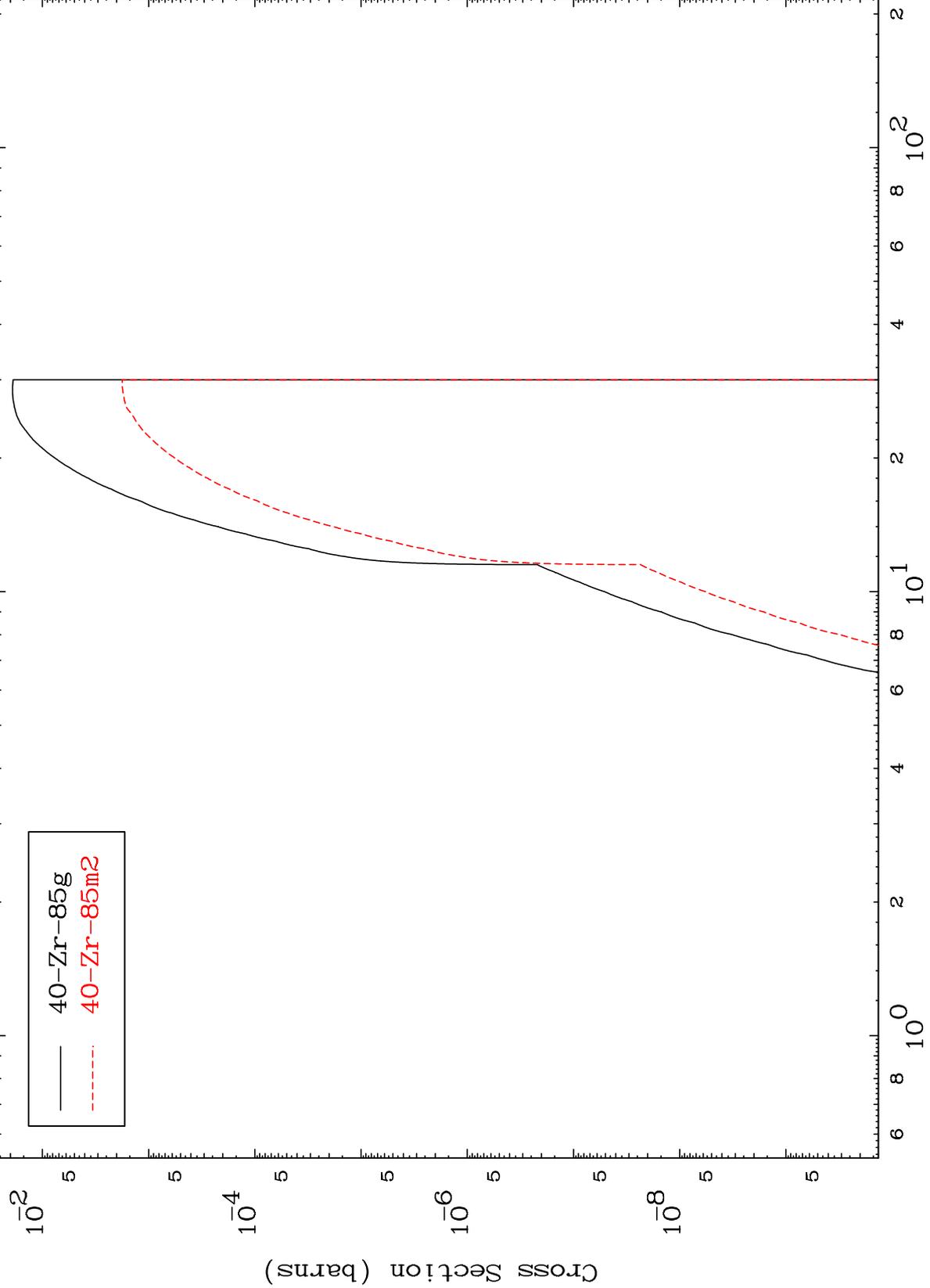


MAT 4210

(n,He-3)

42-Mo-87

Radionuclide Production Cross Section



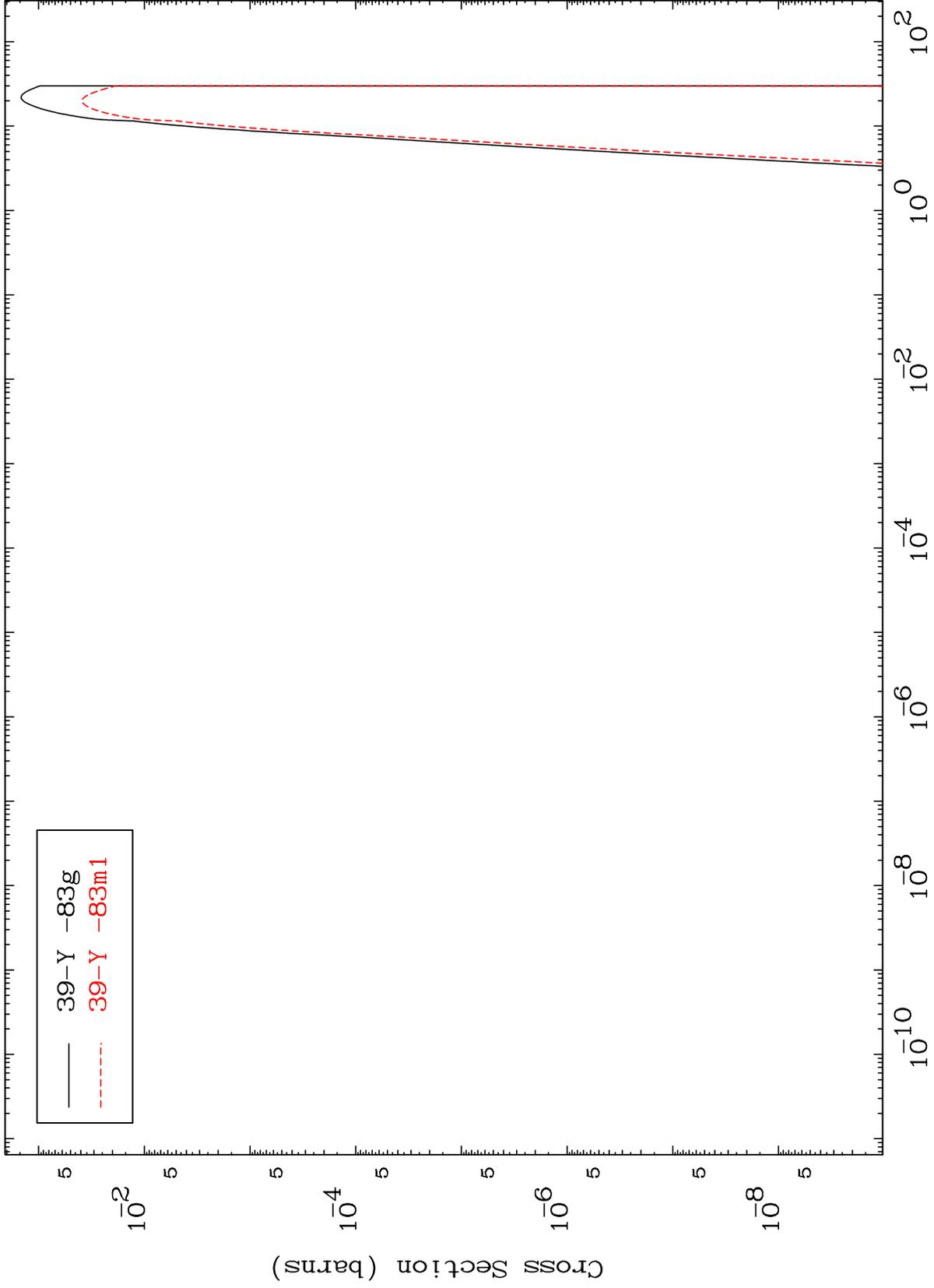
40-Zr-85g  
40-Zr-85m2

MAT 4210

(n,p)  $\alpha$

42-Mo-87

Radionuclide Production Cross Section



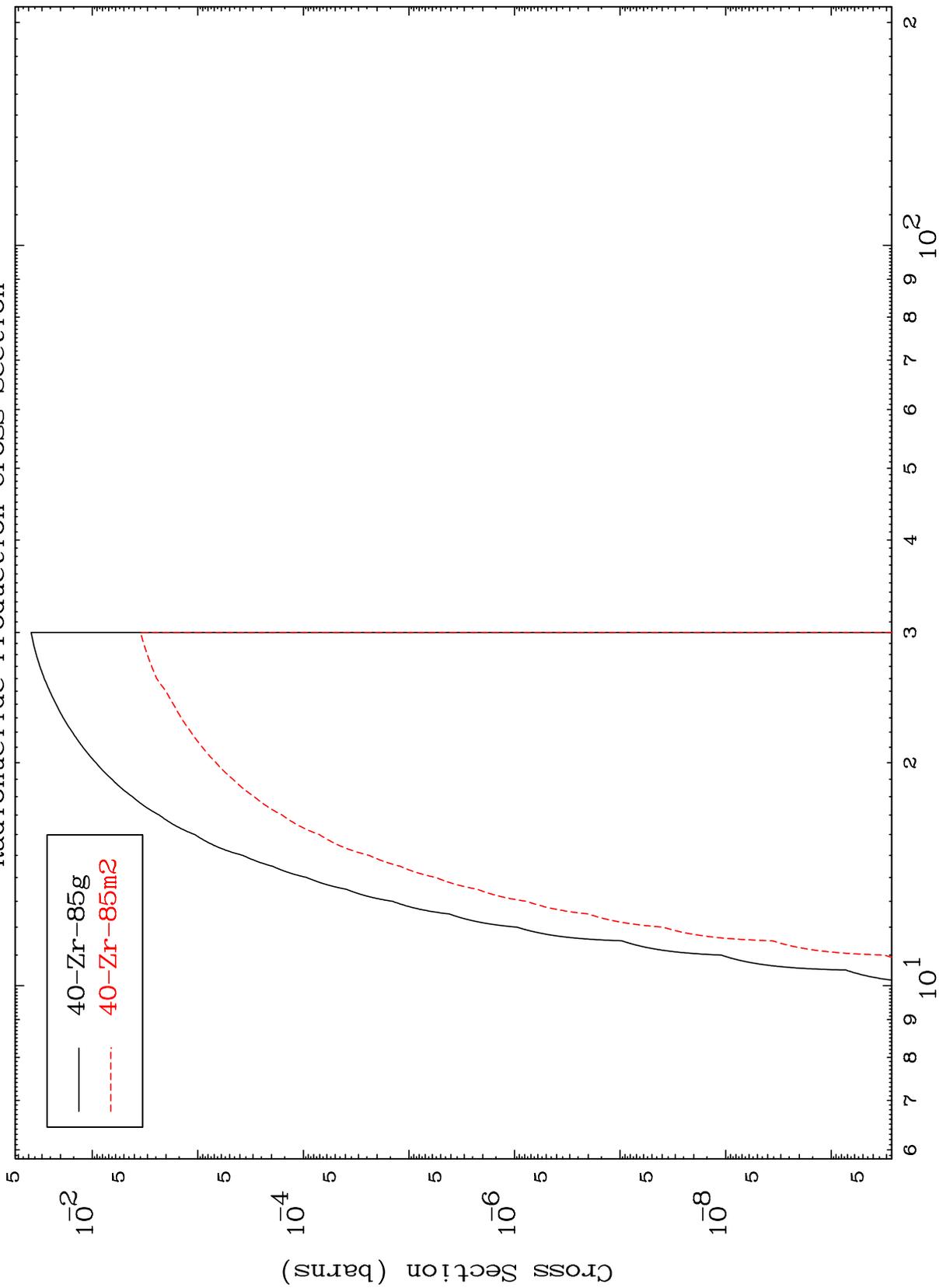
— 39-Y -83g  
- - - 39-Y -83m1

MAT 4210

(n,p) d

42-Mo-87

Radionuclide Production Cross Section



40-Zr-85g  
40-Zr-85m2

Incident Energy (MeV)

42-Mo-87

35