

Program EVALPLOT  
(Version 2018-1)

by

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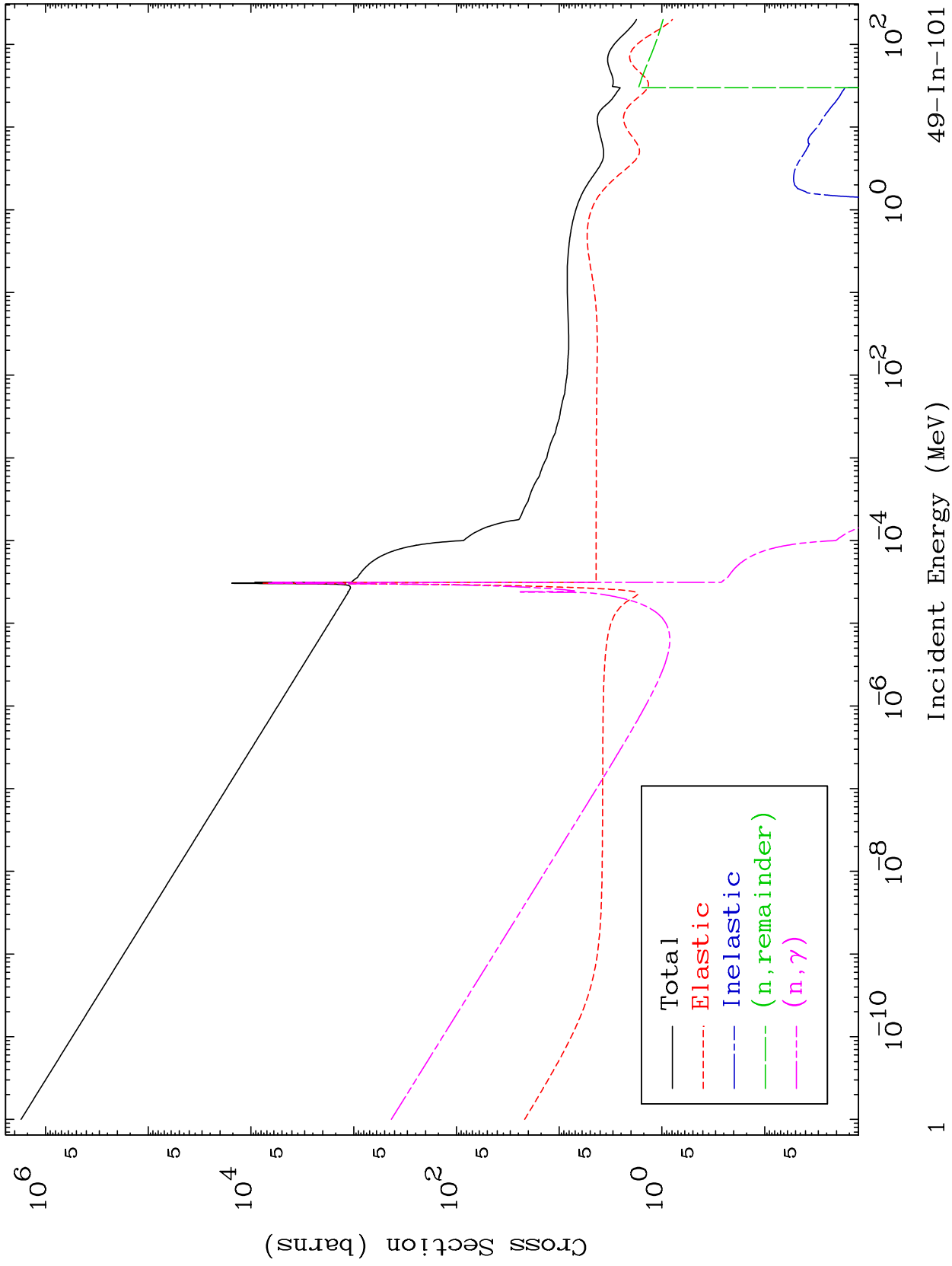
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4889

Major  
293 Kelvin Cross Sections

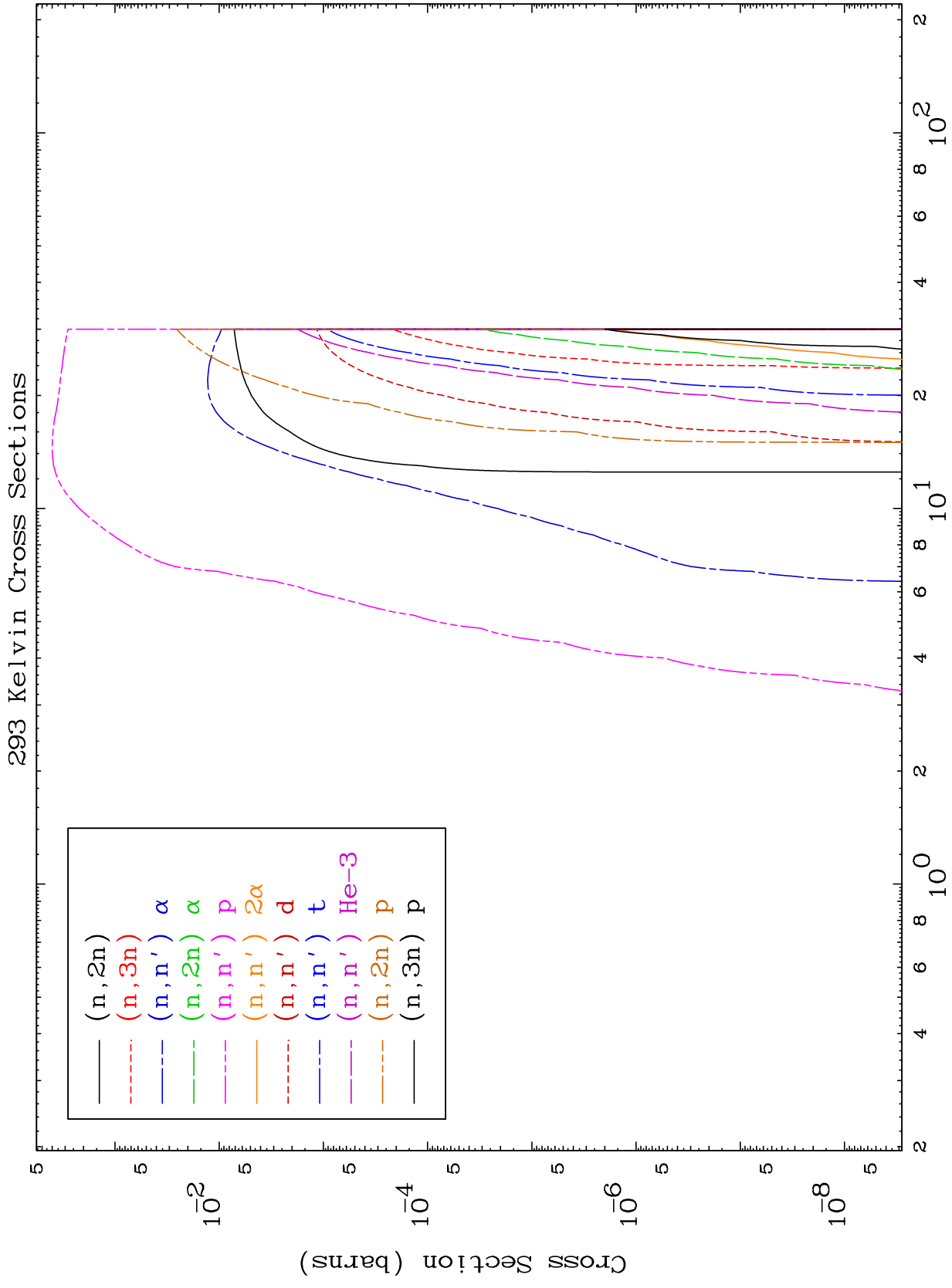
49-In-101



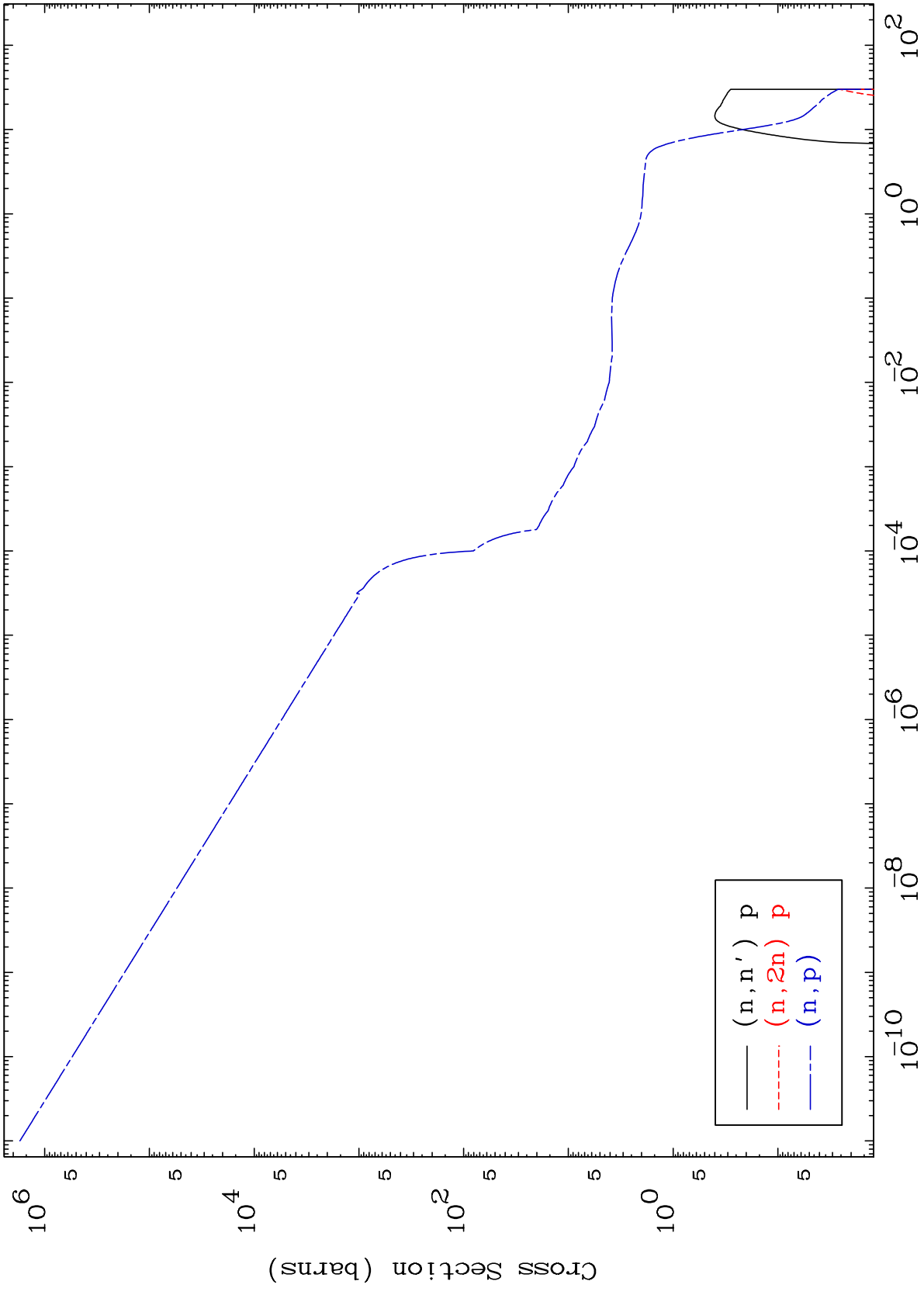
MAT 4889

Neutron Production

49-In-101



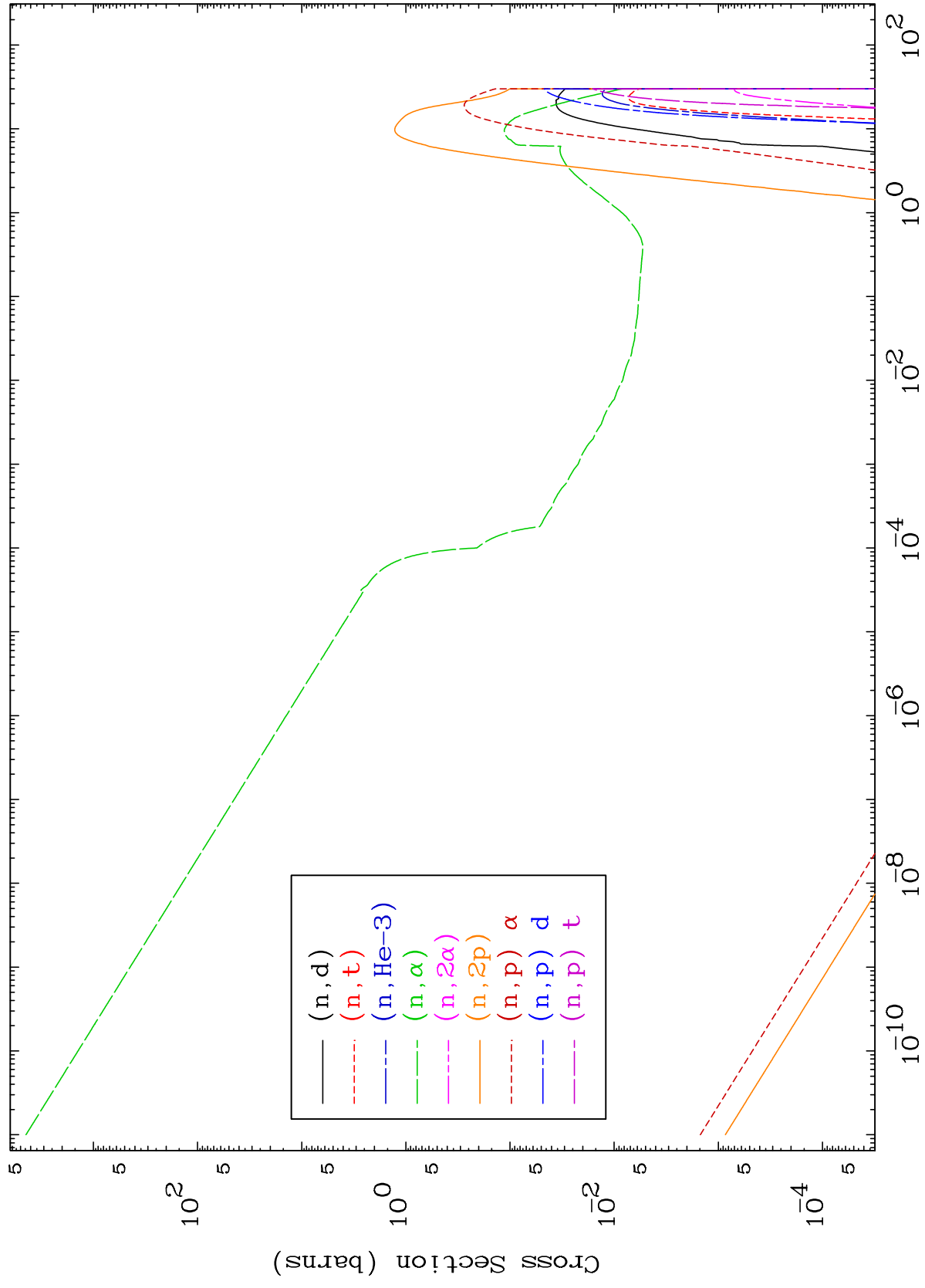
2



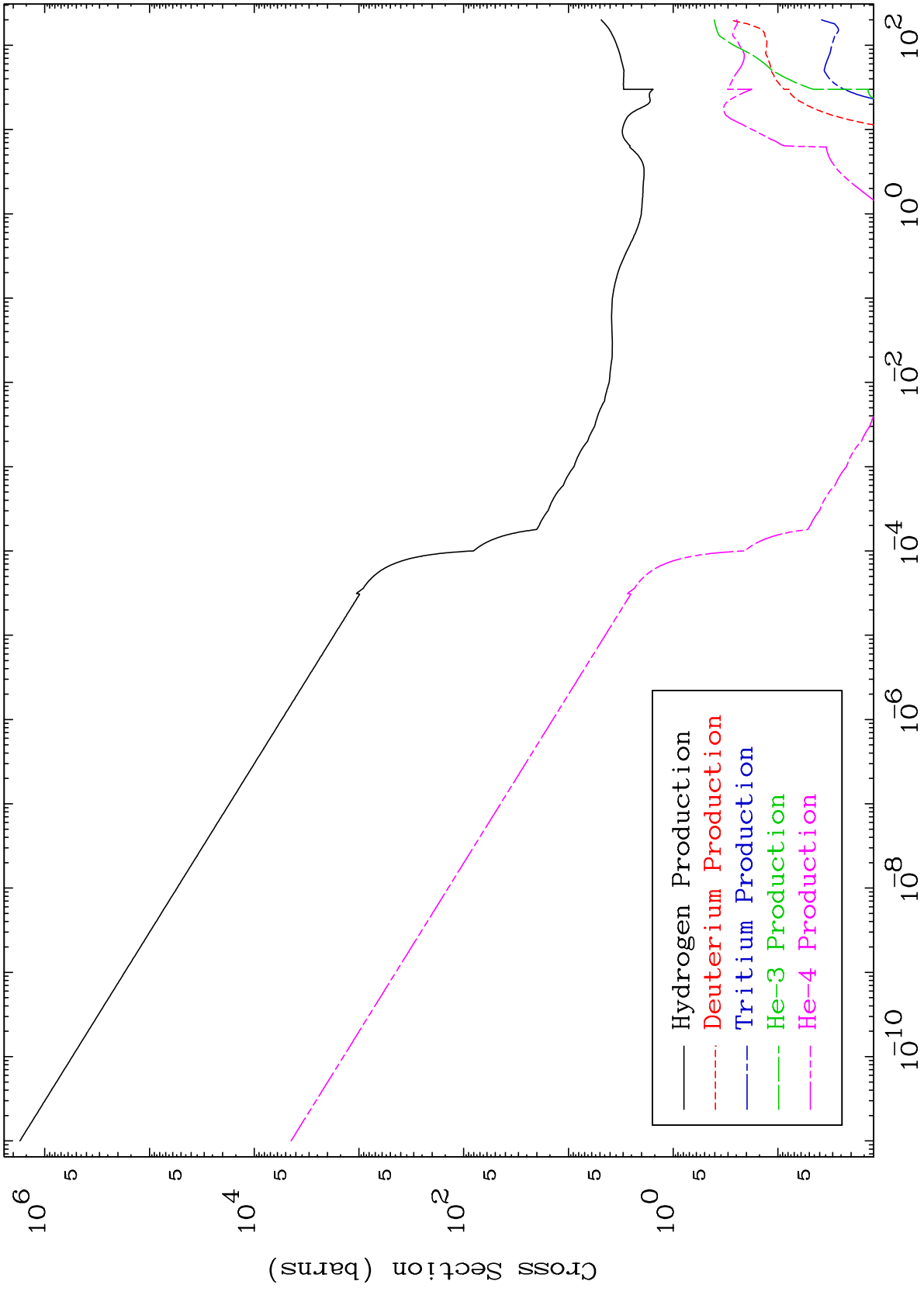
MAT 4889

Charged Particle  
293 Kelvin Cross Sections

49-In-101



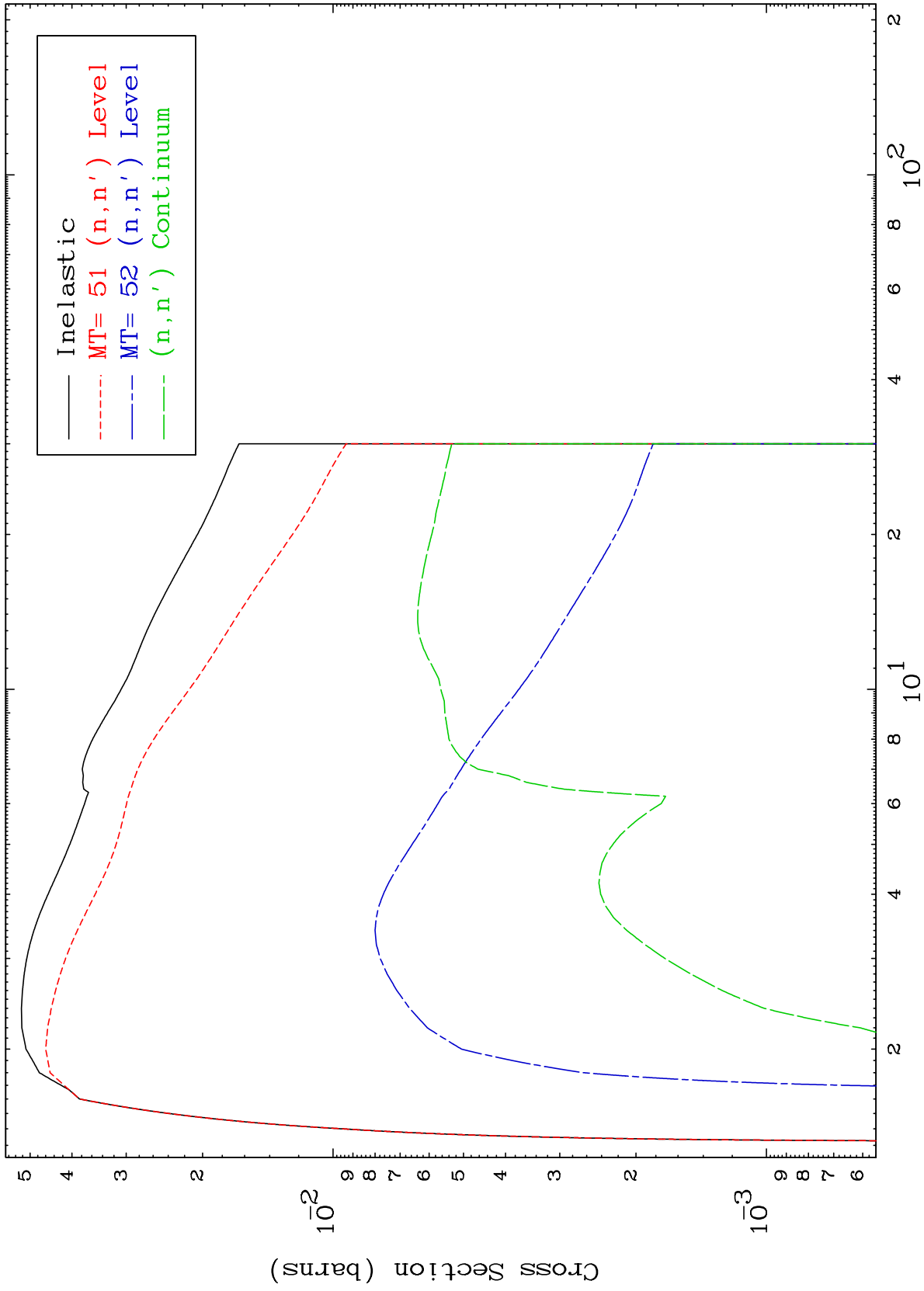
49-In-101



MAT 4889

(n,n') Level  
293 Kelvin Cross Sections

49-In-101



6

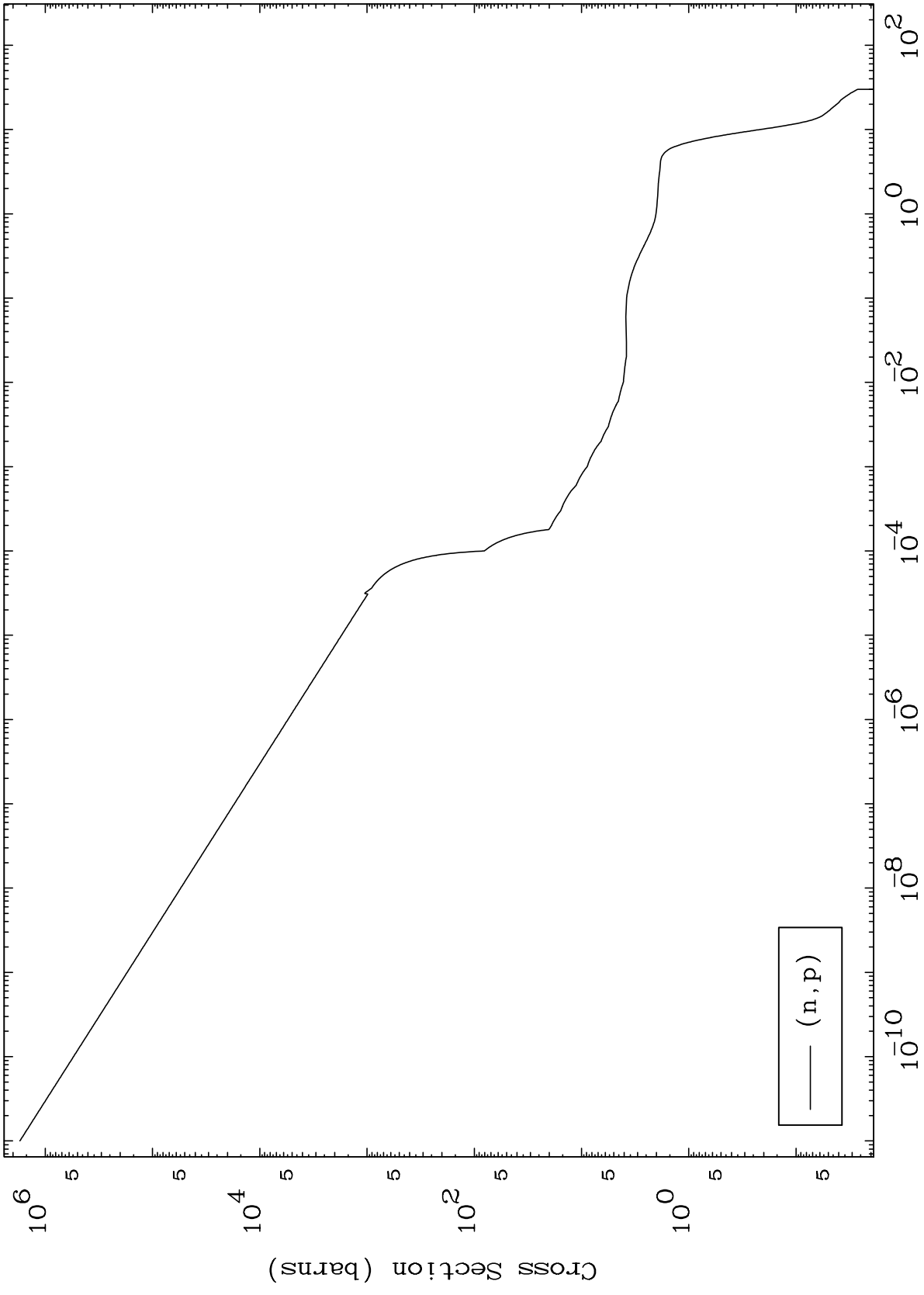
Incident Energy (MeV)

49-In-101

MAT 4889

(n,p) Levels  
293 Kelvin Cross Sections

49-In-101



7

Incident Energy (MeV)

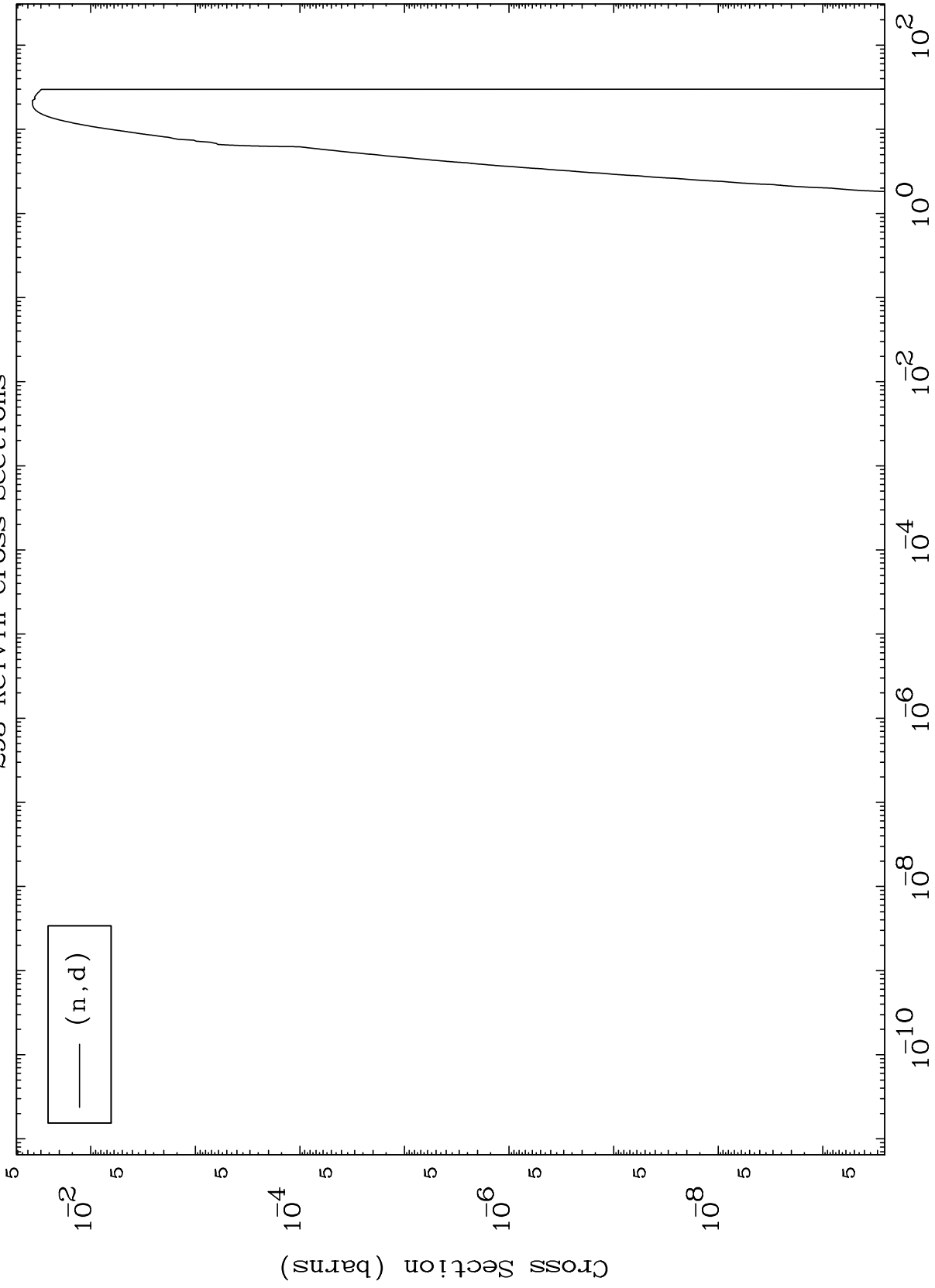
49-In-101



MAT 4889

(n,d) Levels  
293 Kelvin Cross Sections

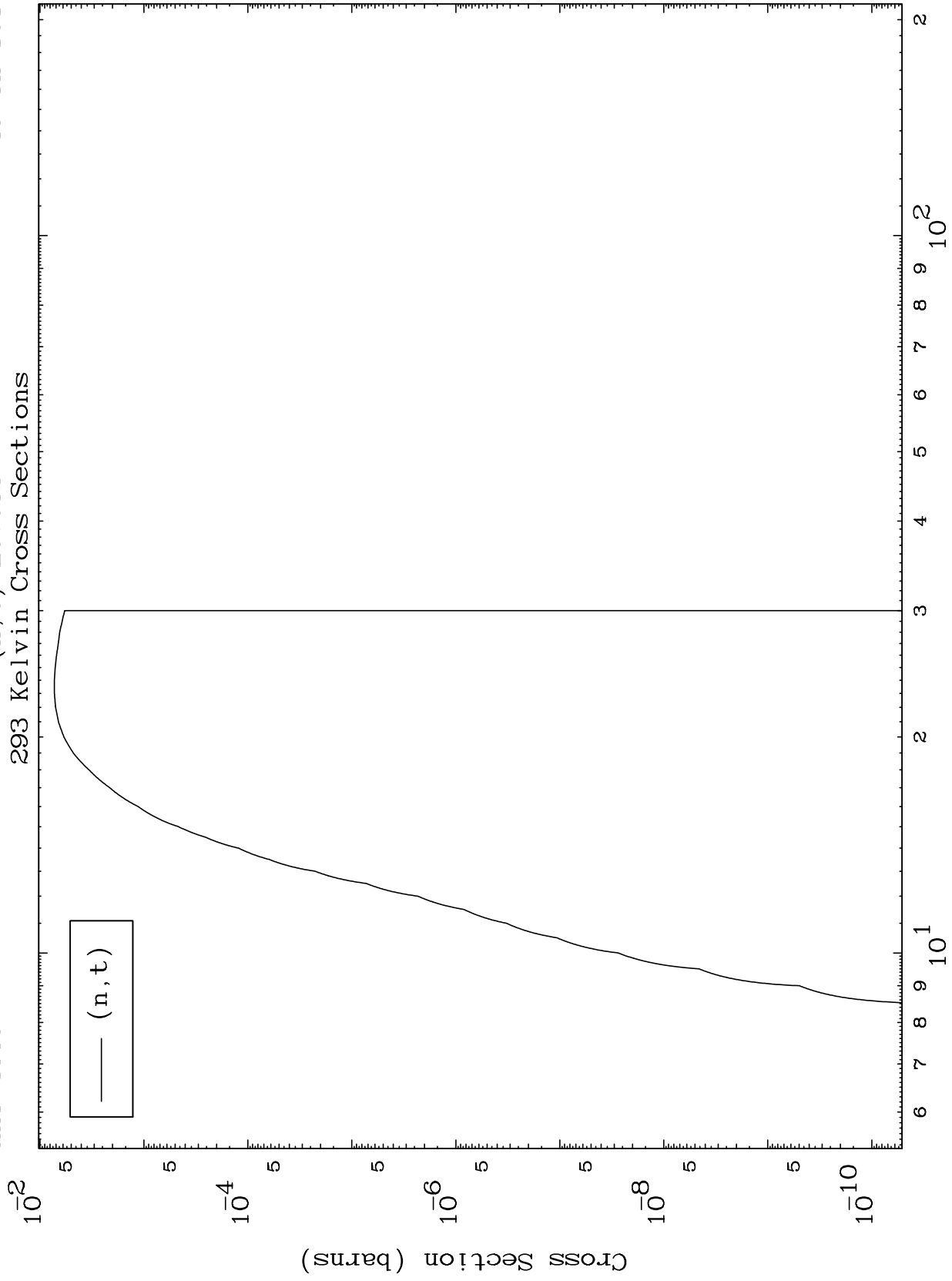
49-In-101



MAT 4889

(n,t) Levels  
293 Kelvin Cross Sections

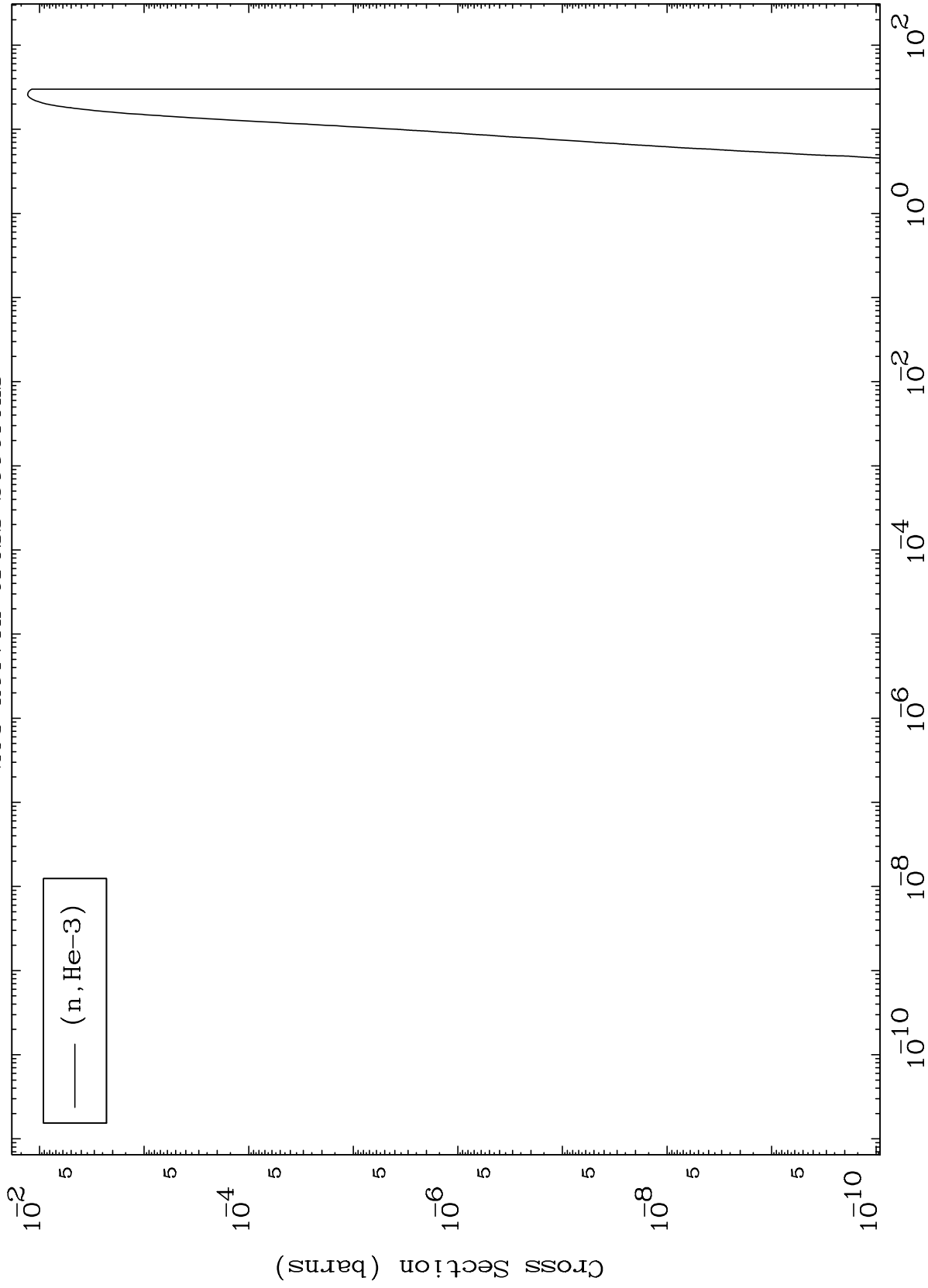
49-In-101



MAT 4889

(n,He3) Levels  
293 Kelvin Cross Sections

49-In-101



10

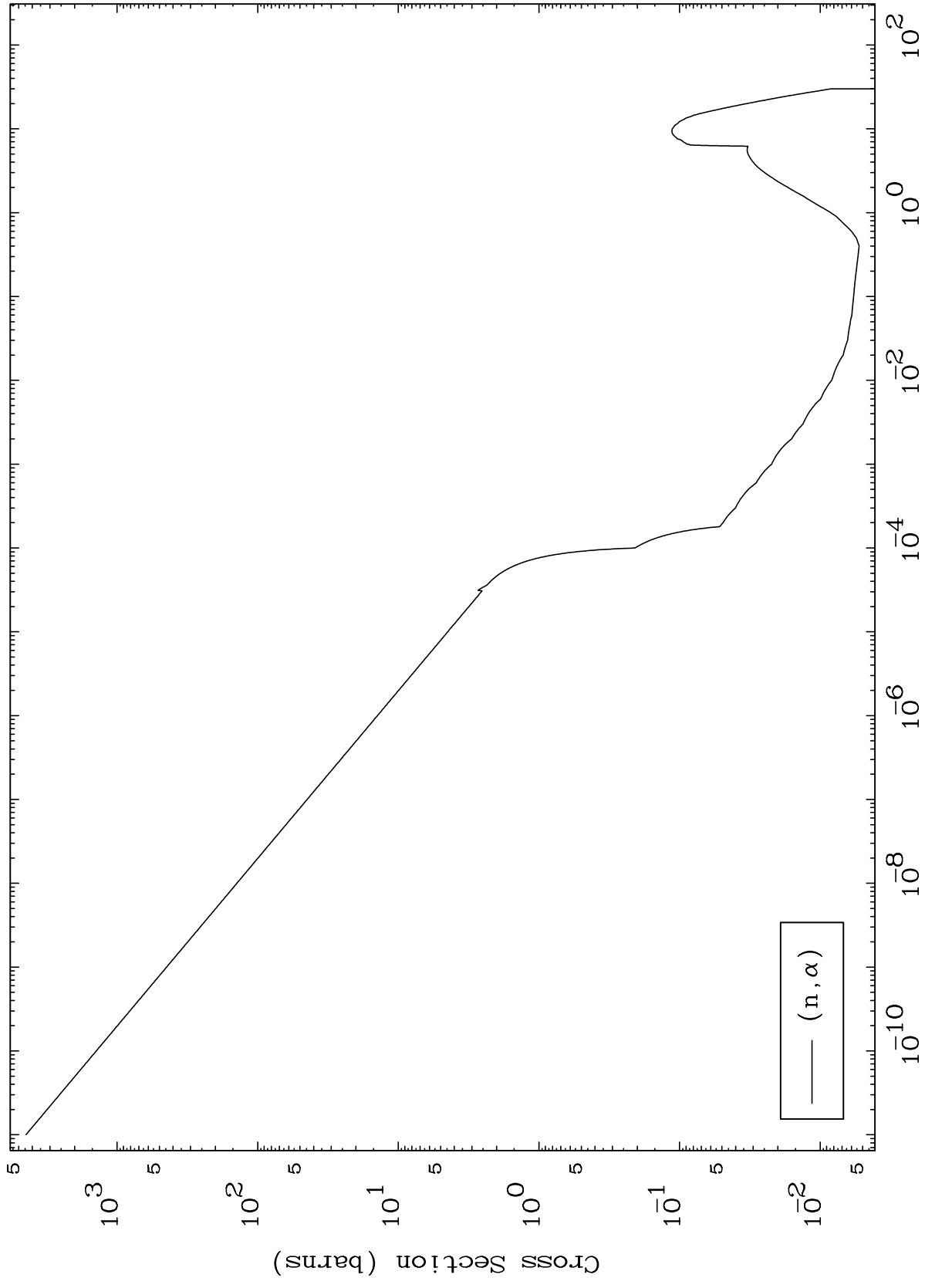
Incident Energy (MeV)

49-In-101

MAT 4889

(n,α) Levels  
293 Kelvin Cross Sections

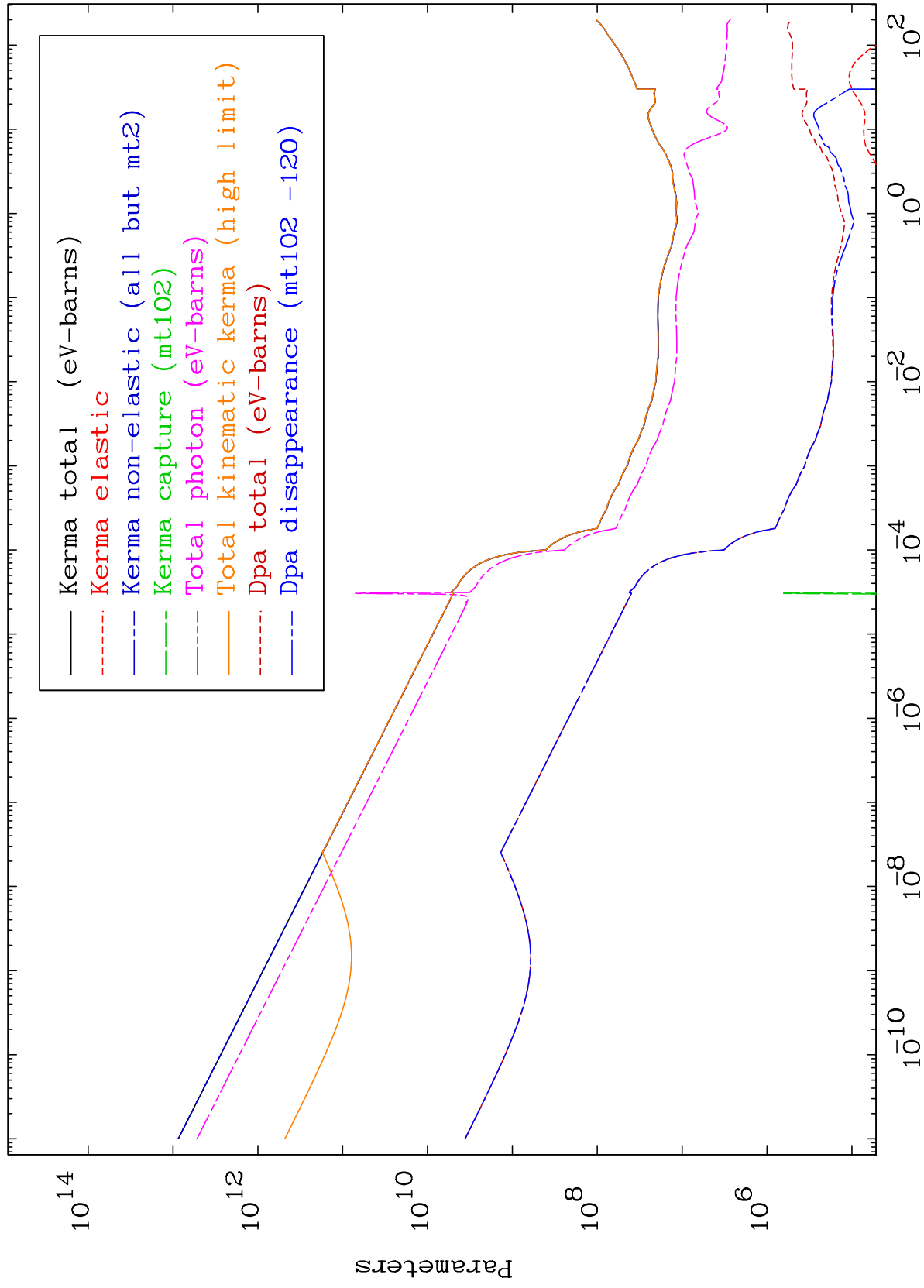
49-In-101



11

Incident Energy (MeV)

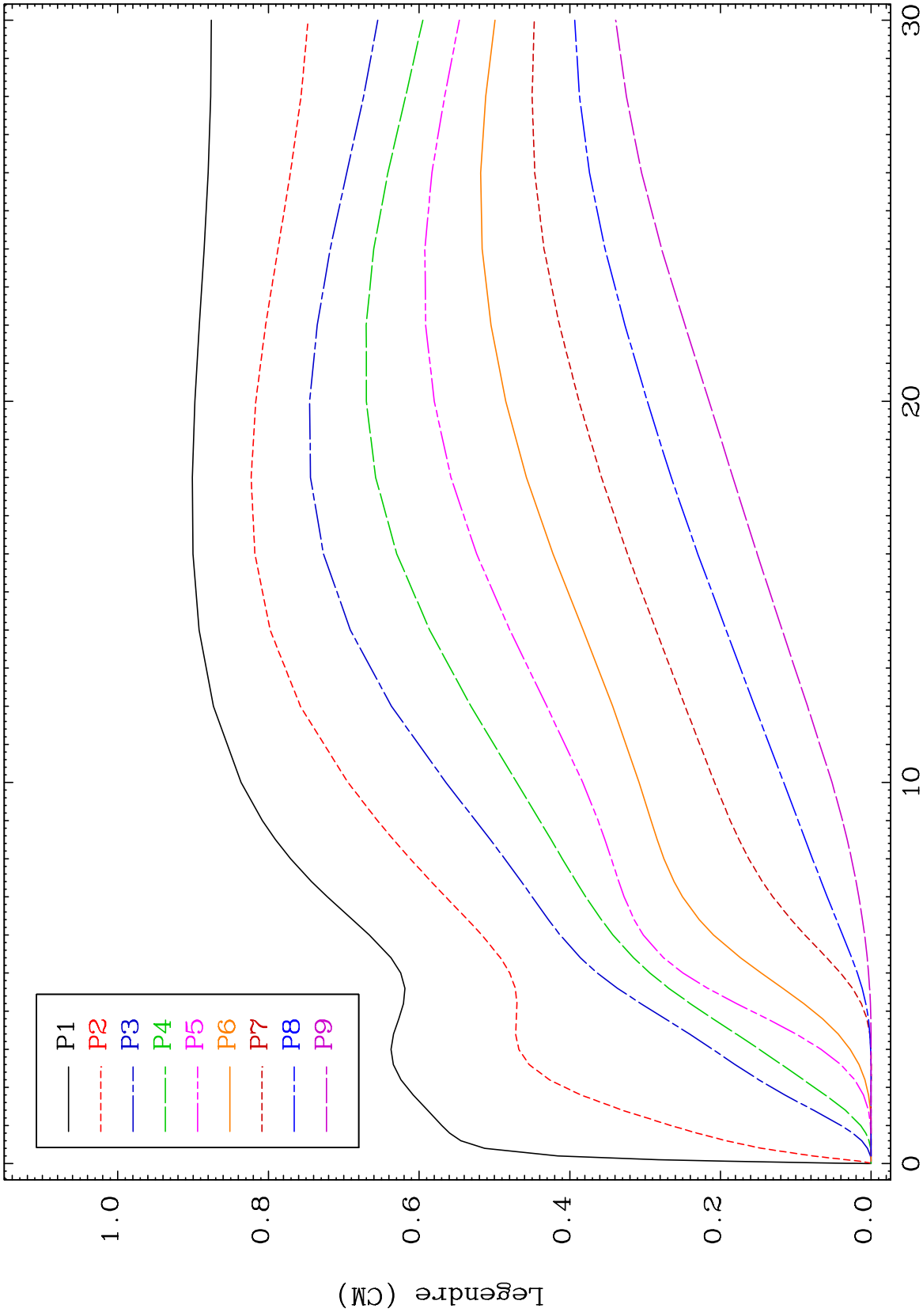
49-In-101



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Elastic Legendre Coefficients

49-In-101



13

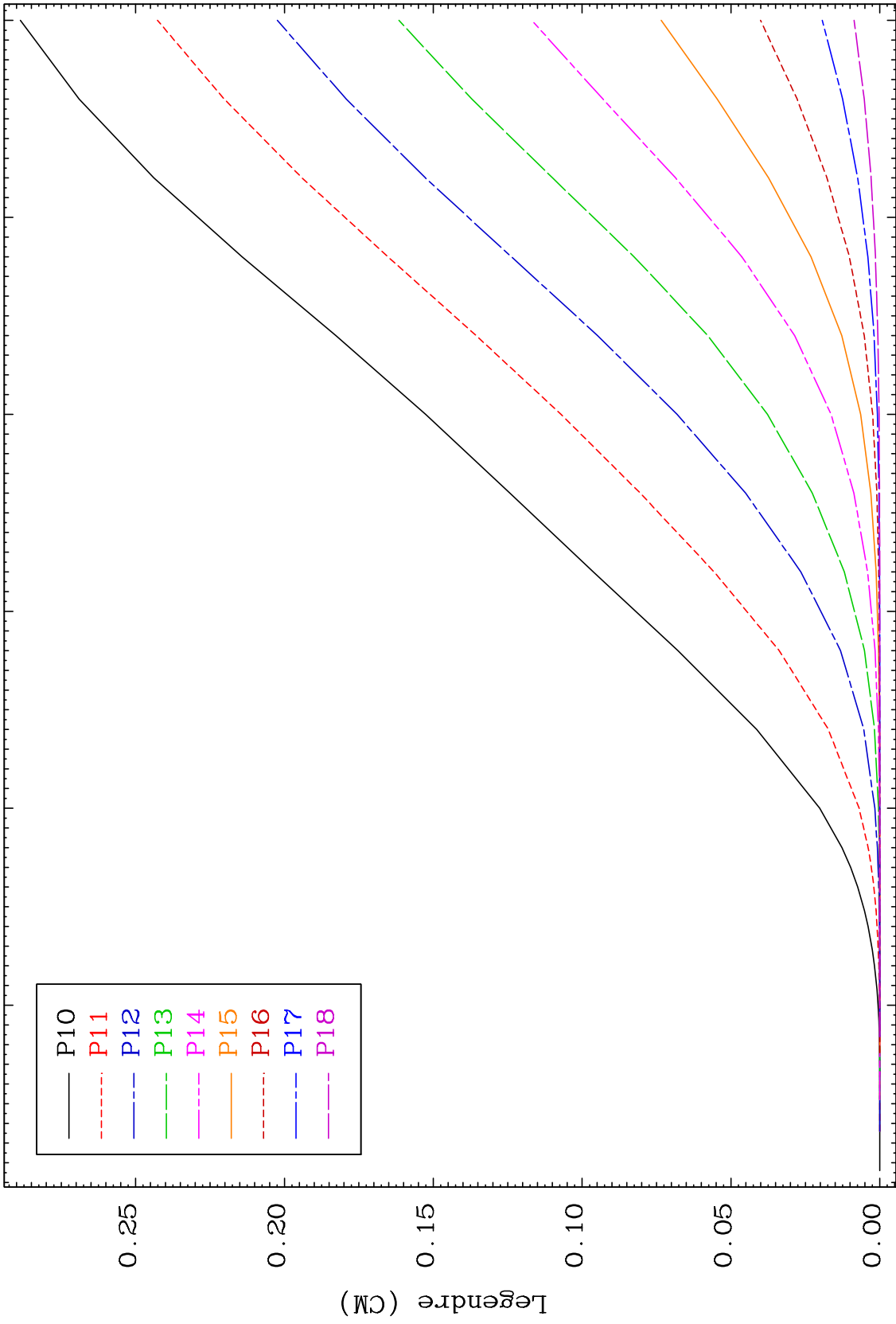
Incident Energy (MeV)

49-In-101

MAT 4889

Elastic Legendre Coefficients

49-In-101



14

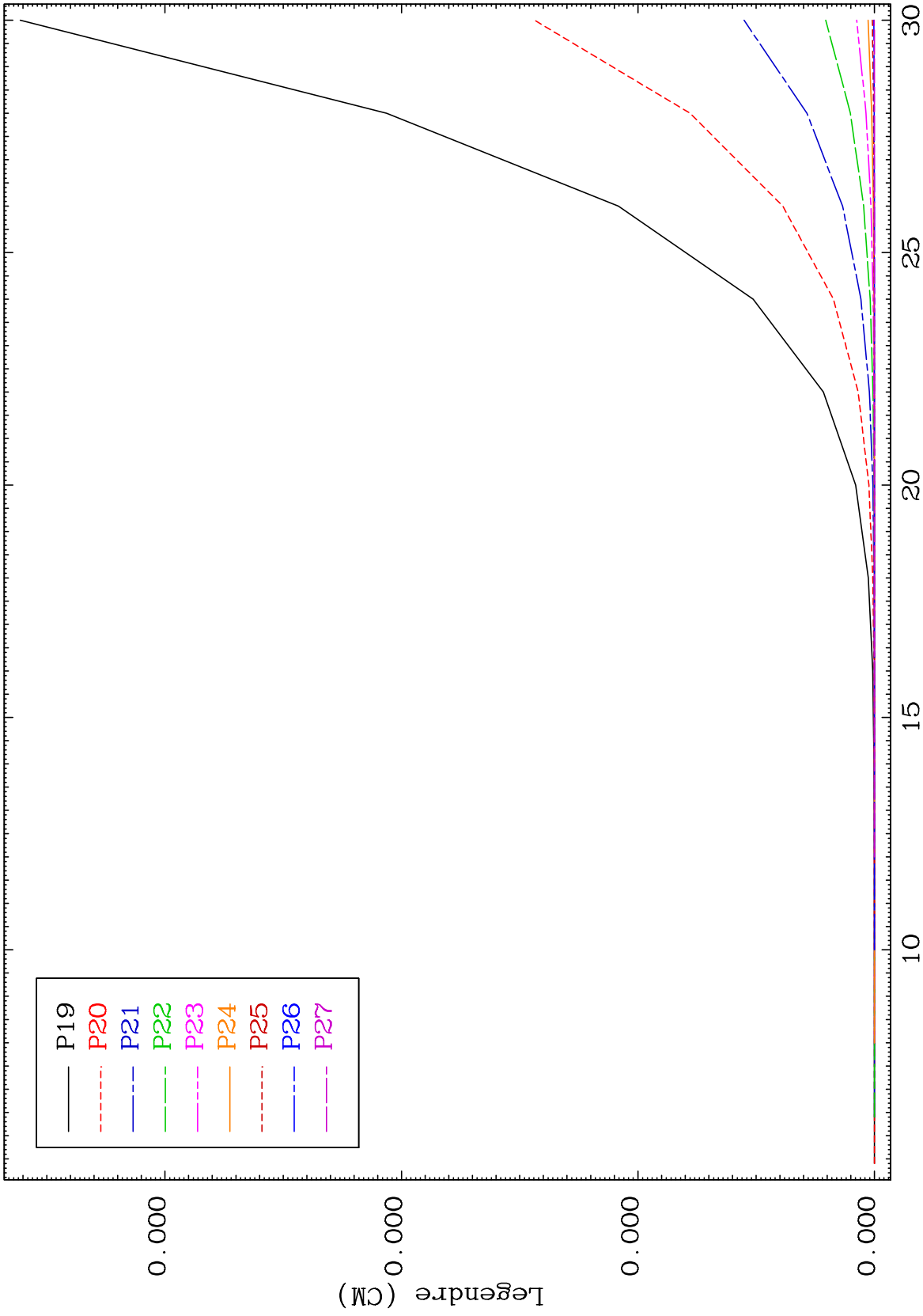
Incident Energy (MeV)

49-In-101

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### Elastic Legendre Coefficients

49-In-101



15

Incident Energy (MeV)

49-In-101



MAT 4889

Elastic Legendre Coefficients

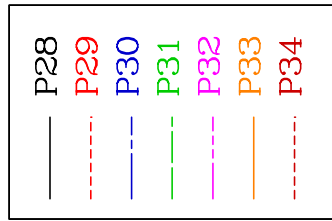
49-In-101

$\times 10^{-7}$   
0.5

Legendre (CM)

-0.5

-1.0



15

20

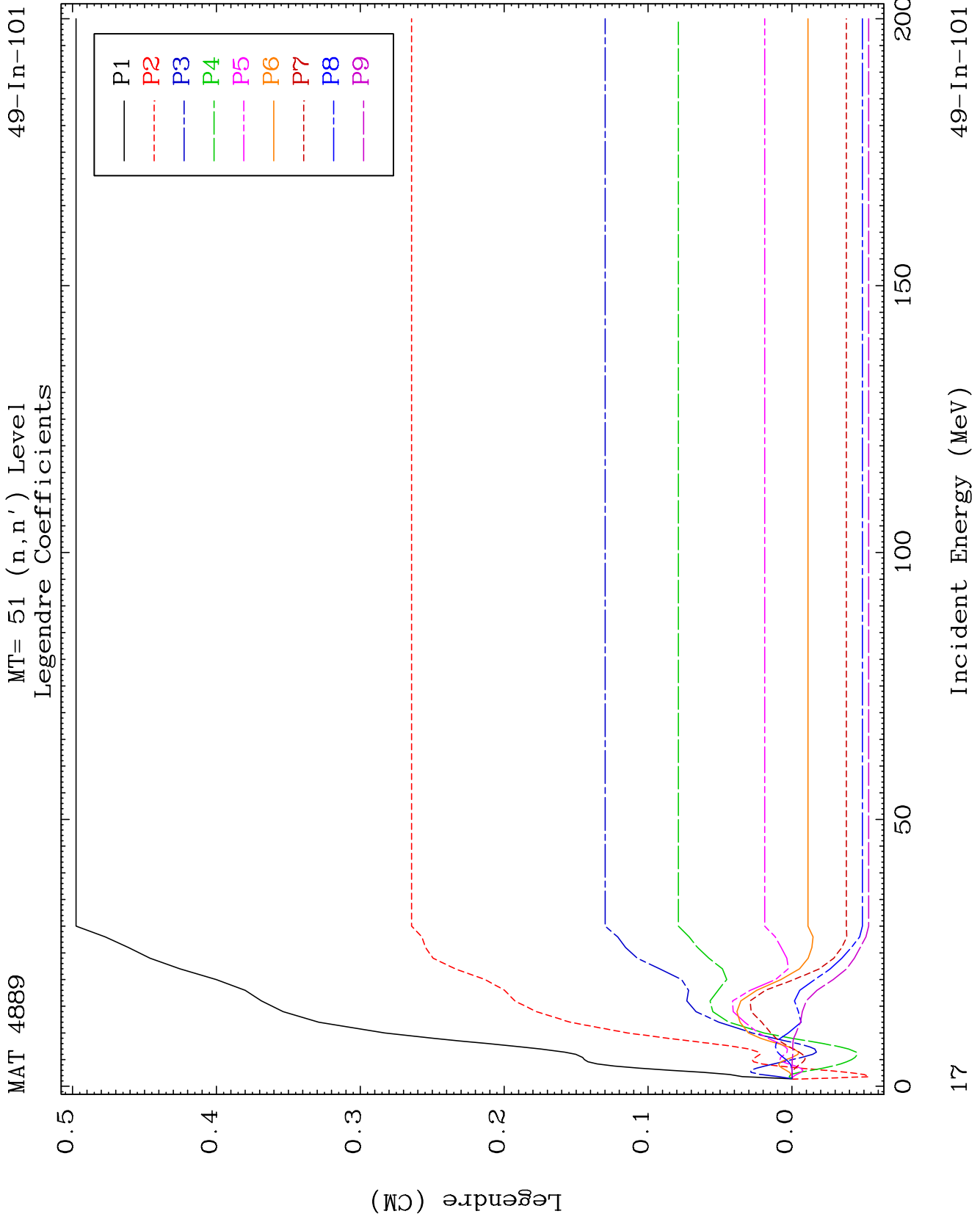
25

30

16

Incident Energy (MeV)

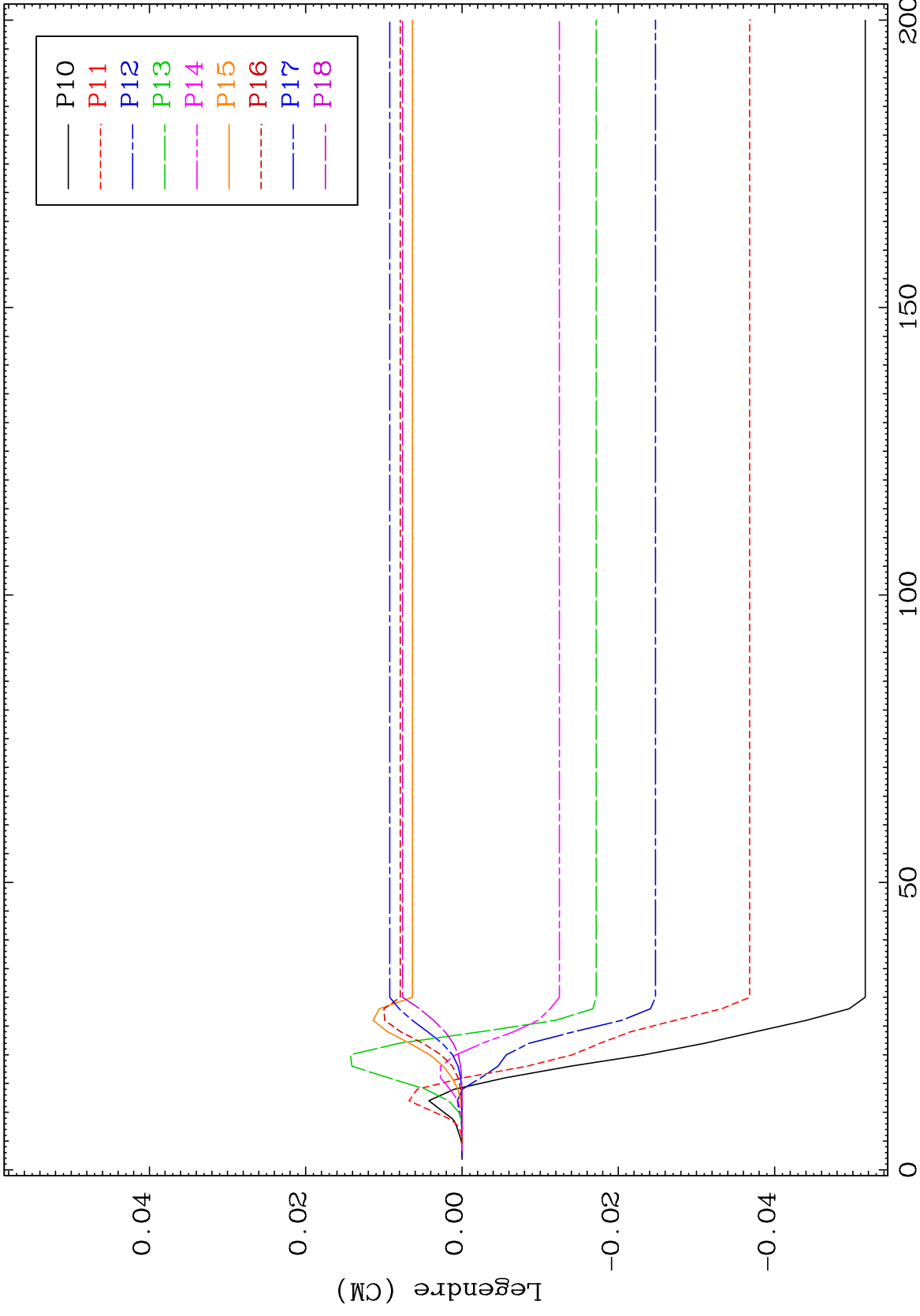
49-In-101



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

49-In-101



18

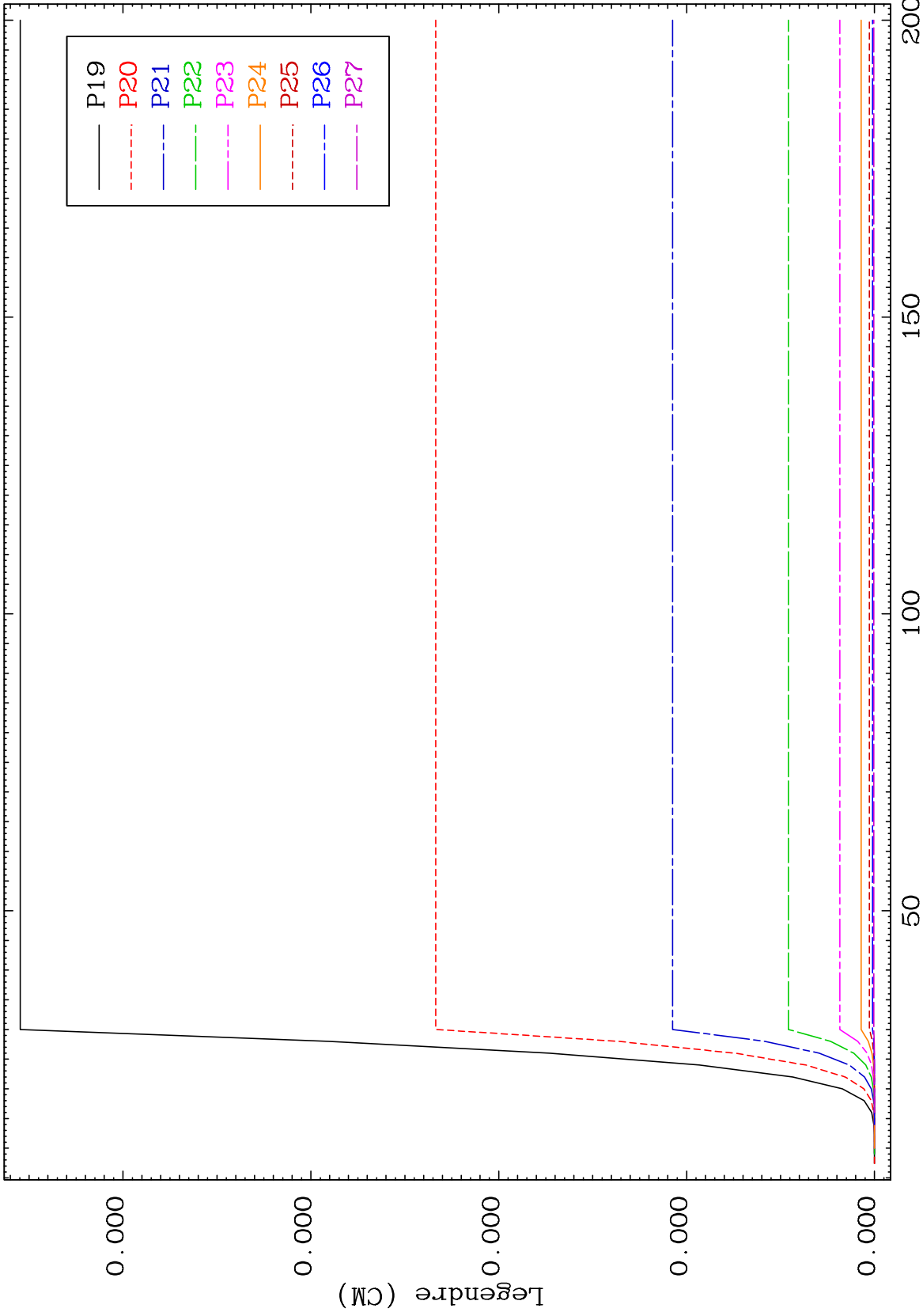
Incident Energy (MeV)

49-In-101

MAT 4889

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

49-In-101



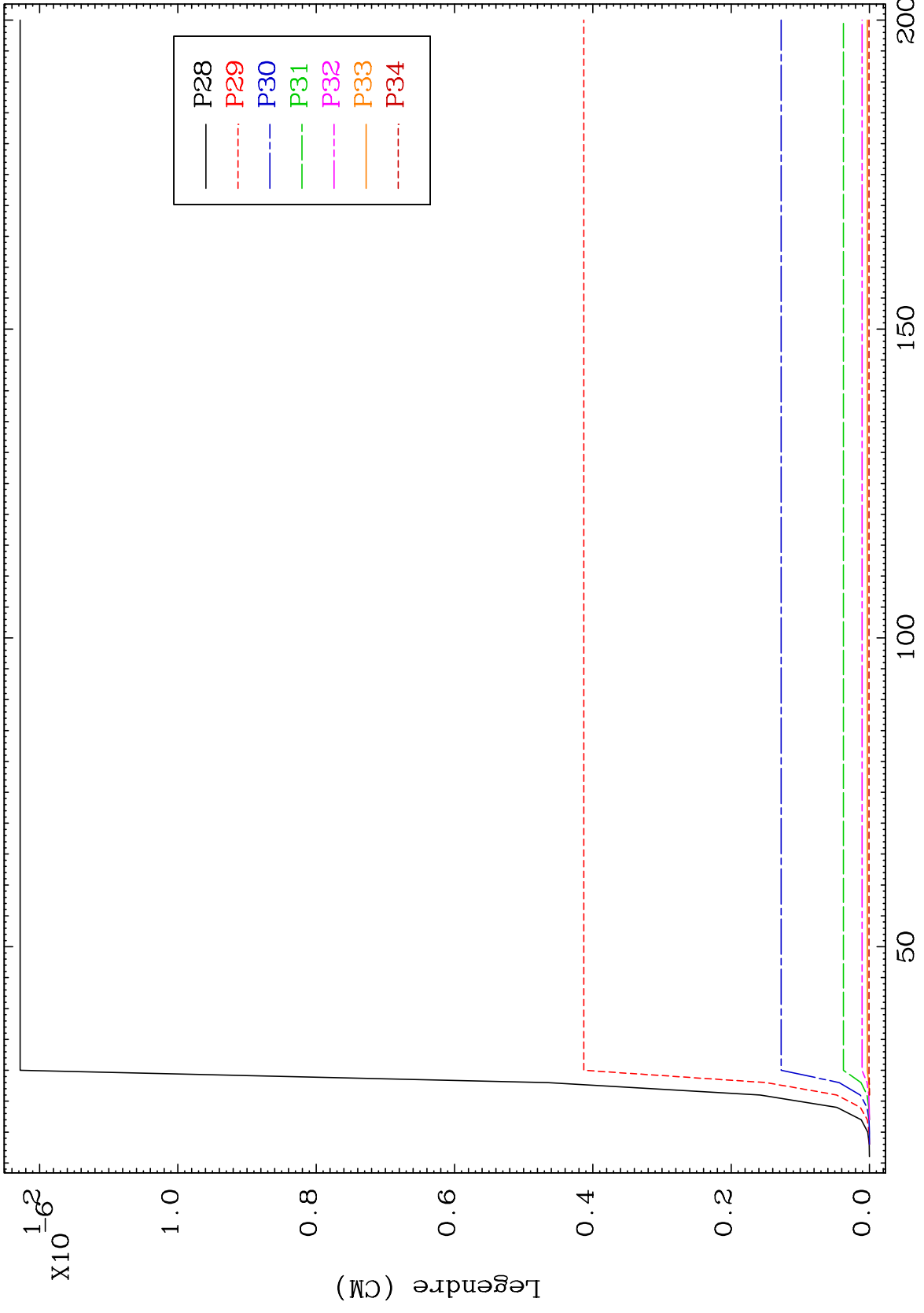
19

49-In-101

MAT 4889

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

49-In-101



20

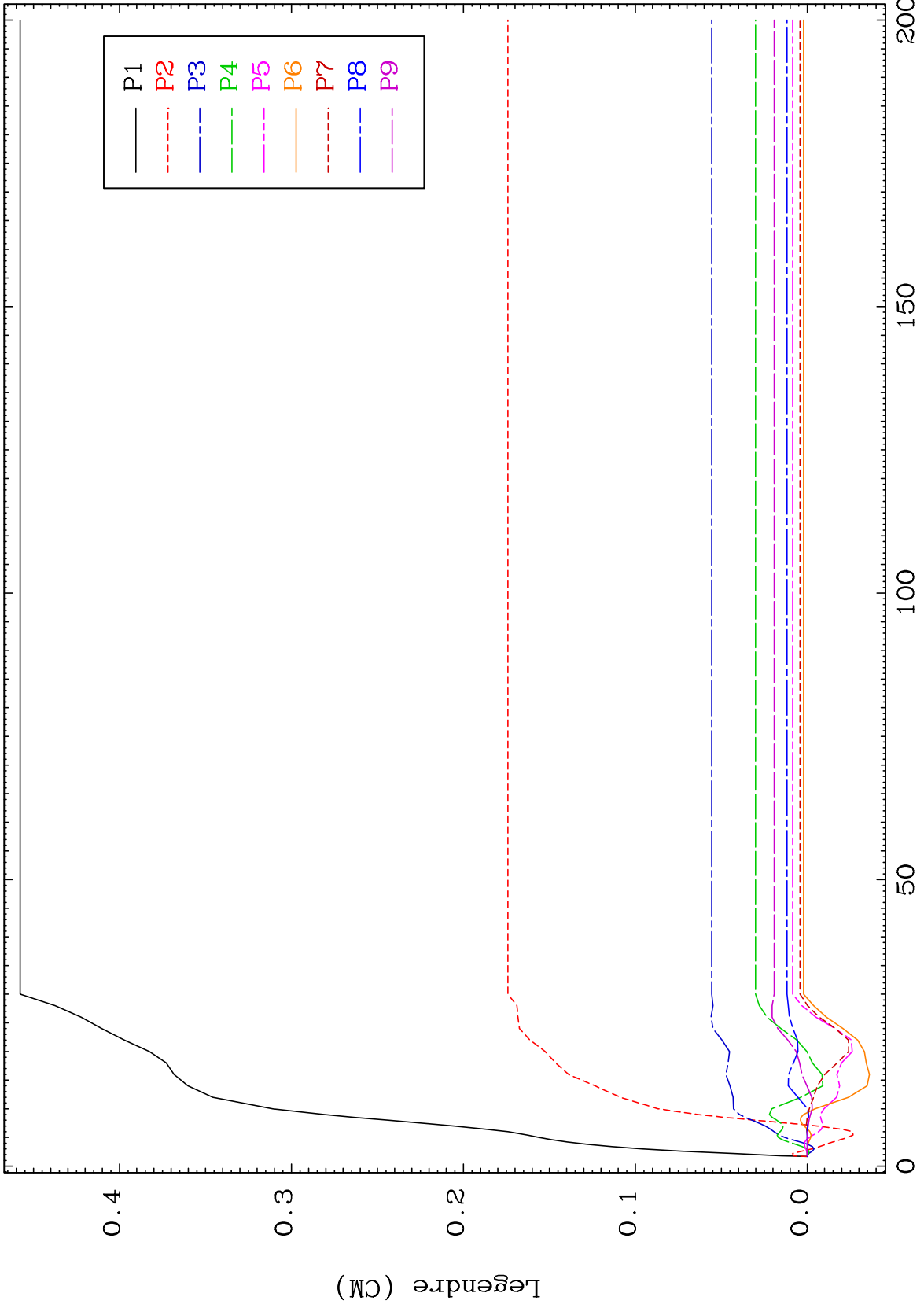
Incident Energy (MeV)

49-In-101

MAT 4889

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

49-In-101



21

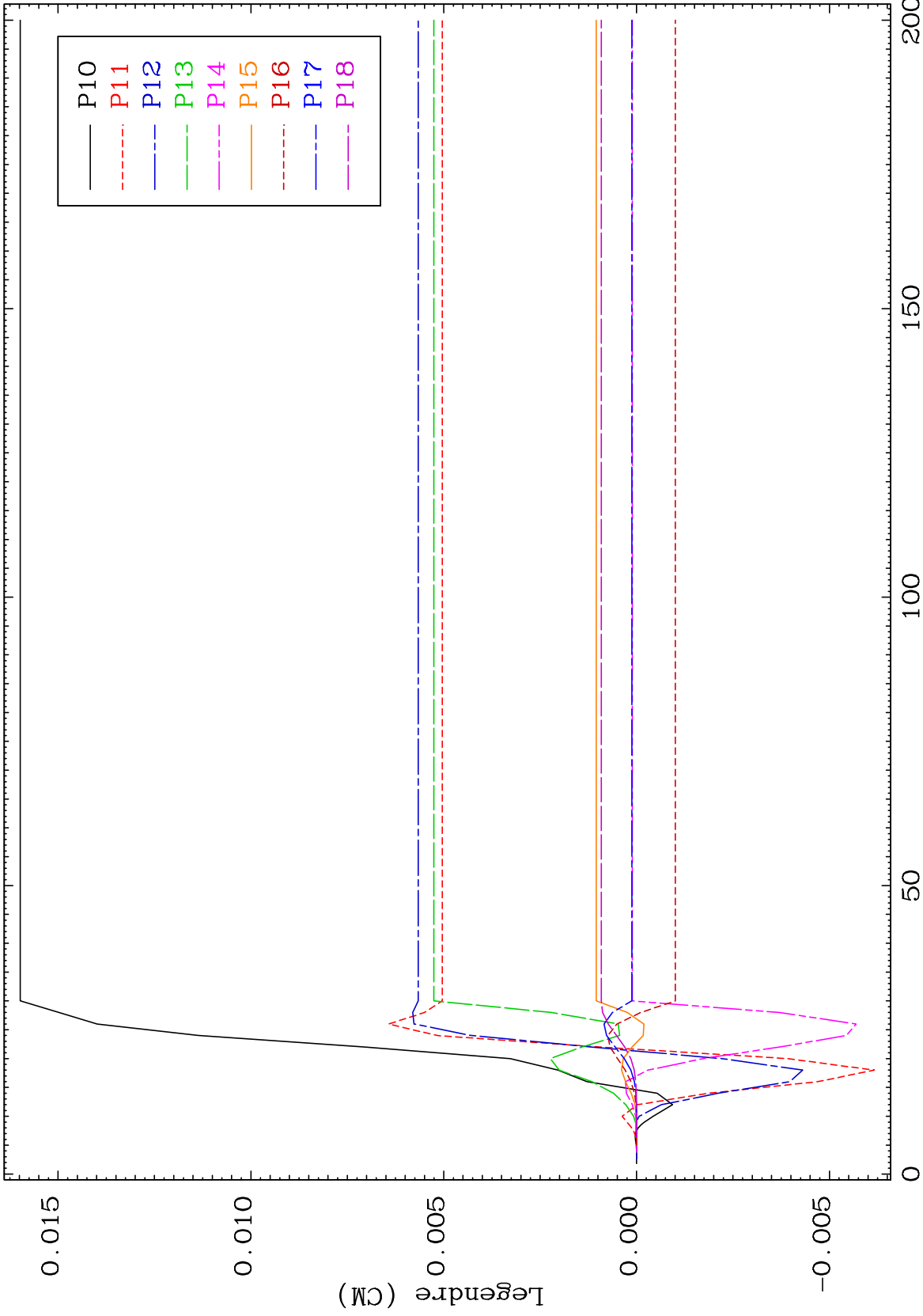
Incident Energy (MeV)

49-In-101

MAT 4889

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

49-In-101



22

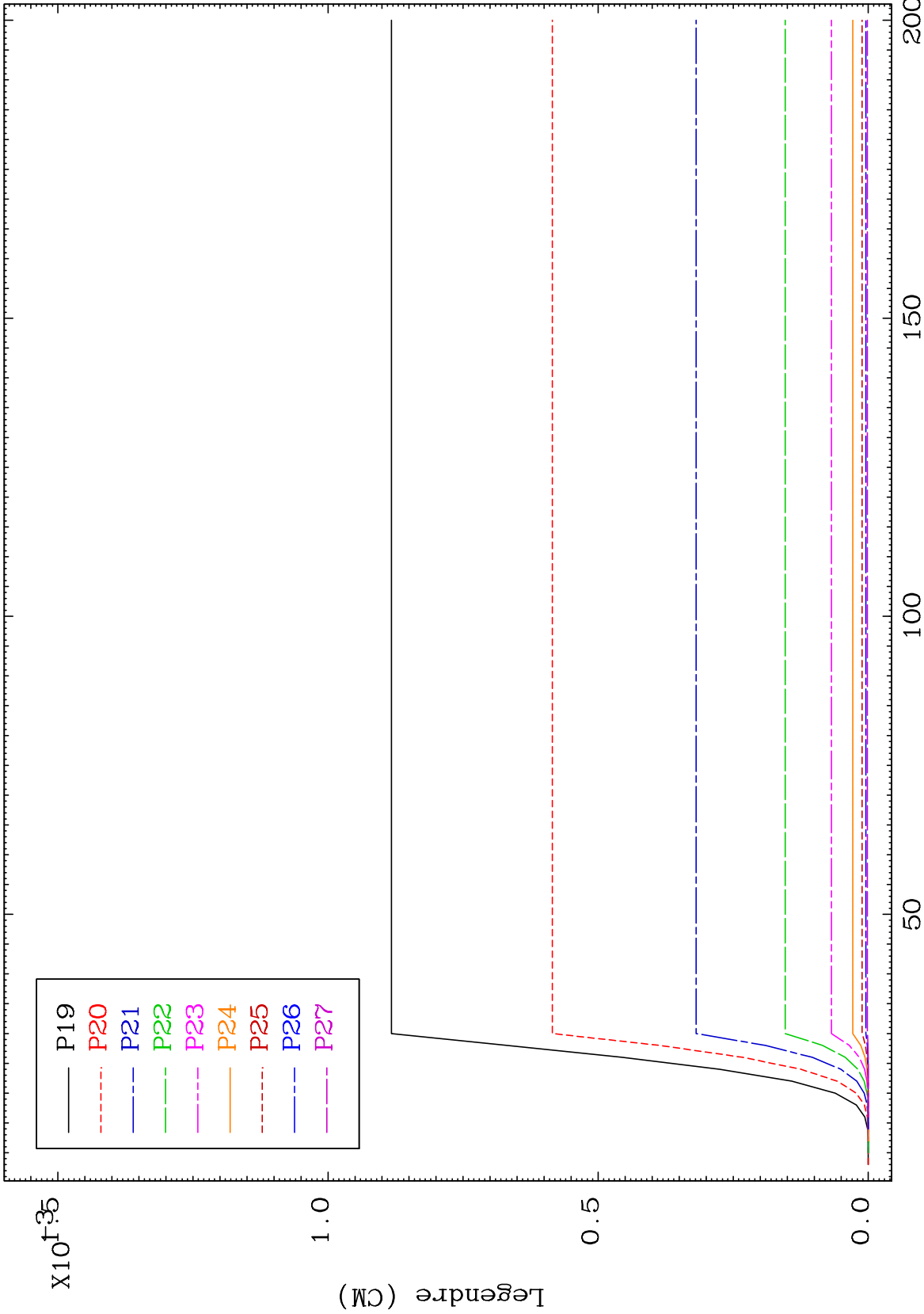
Incident Energy (MeV)

49-In-101

MAT 4889

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

49-In-101



23

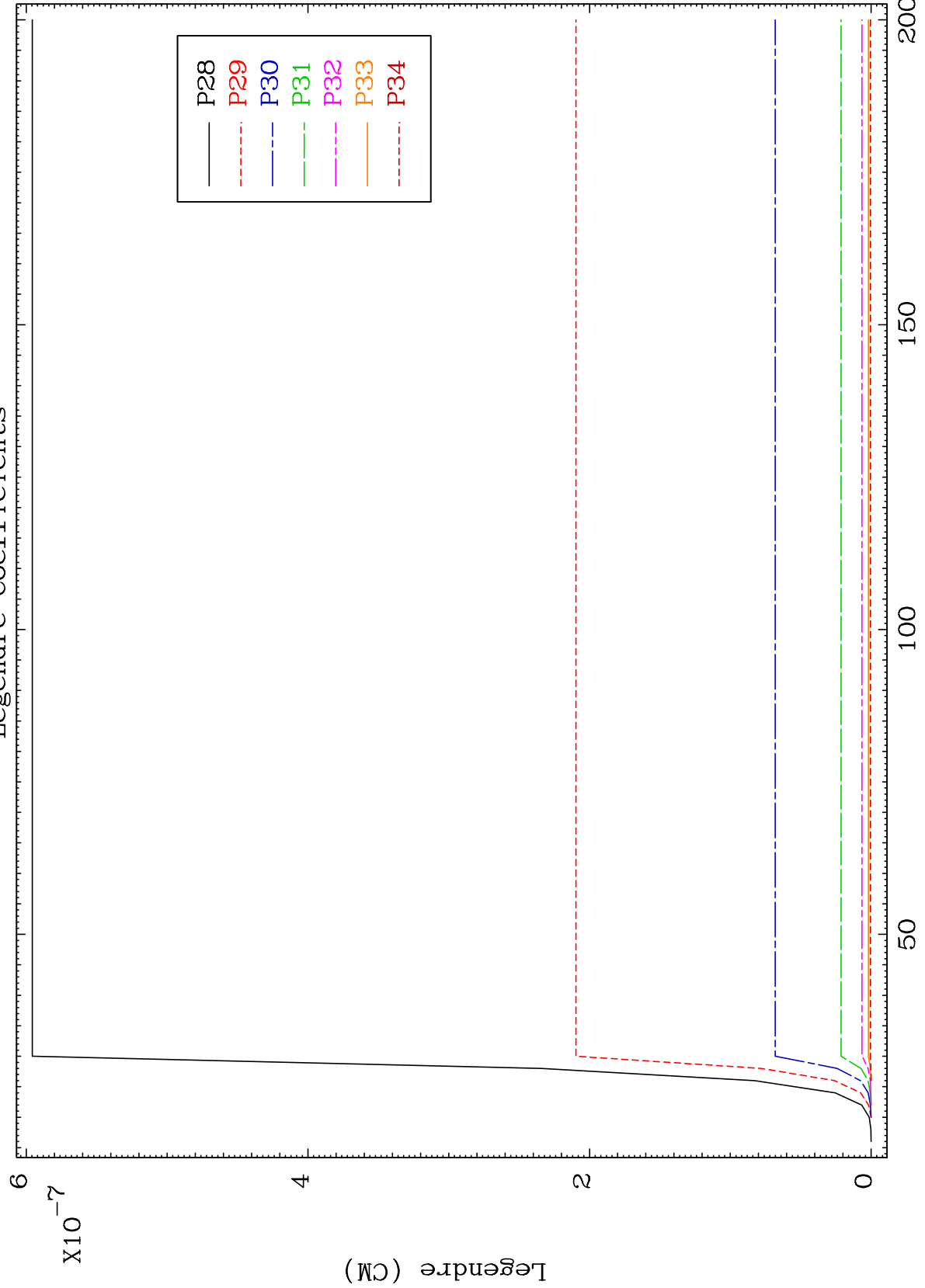
49-In-101



MAT 4889

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

49-In-101



24

Incident Energy (MeV)

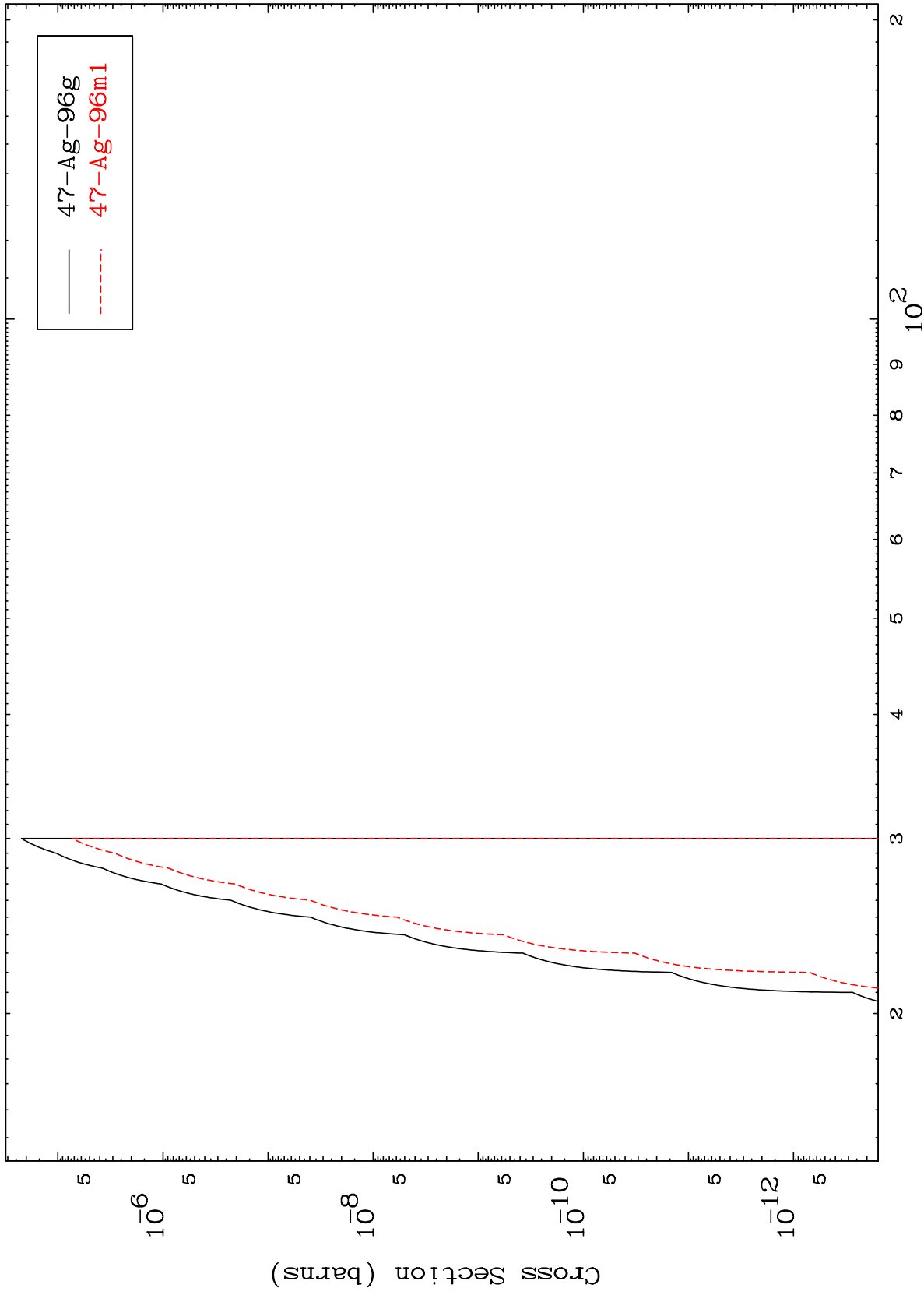
49-In-101

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(n,2n)  $\alpha$

49-In-101

Radionuclide Production Cross Section



25

Incident Energy (MeV)

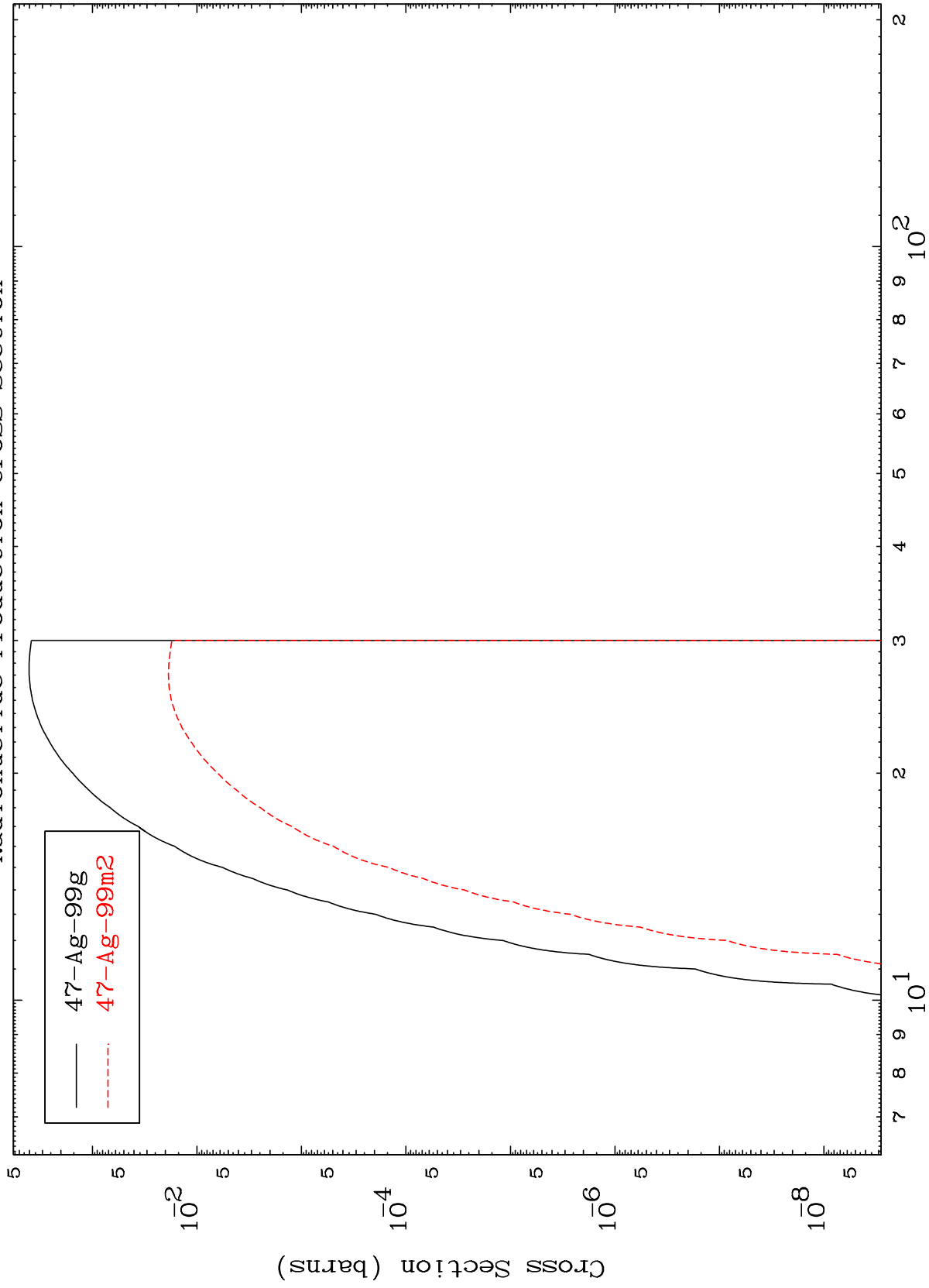
49-In-101

MAT 4889

(n,2n) p

49-In-101

Radionuclide Production Cross Section



26

Incident Energy (MeV)

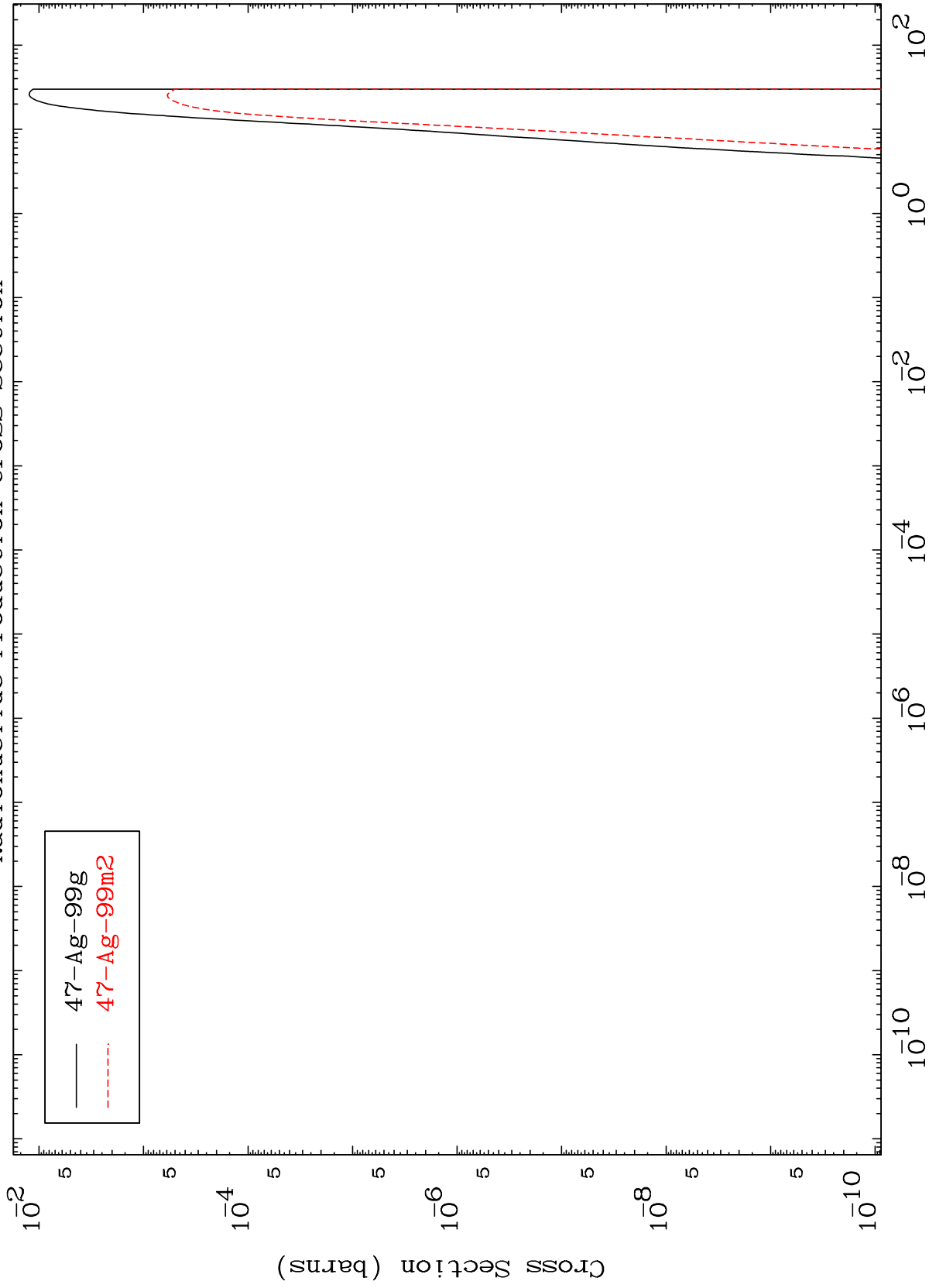
49-In-101

MAT 4889

(n,He-3)

49-In-101

Radionuclide Production Cross Section



27

Incident Energy (MeV)

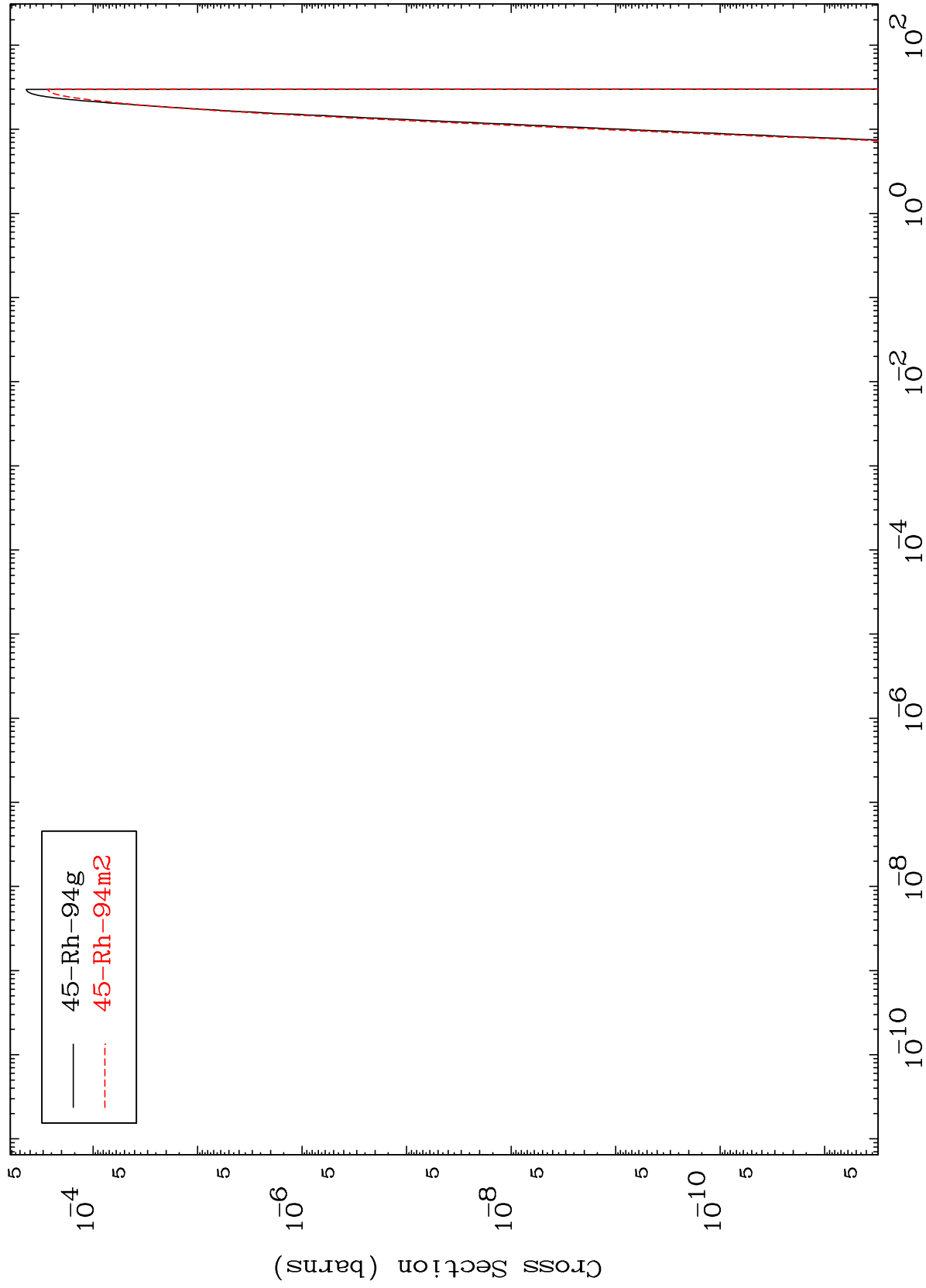
49-In-101

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(n,2α)

49-In-101

Radionuclide Production Cross Section



28

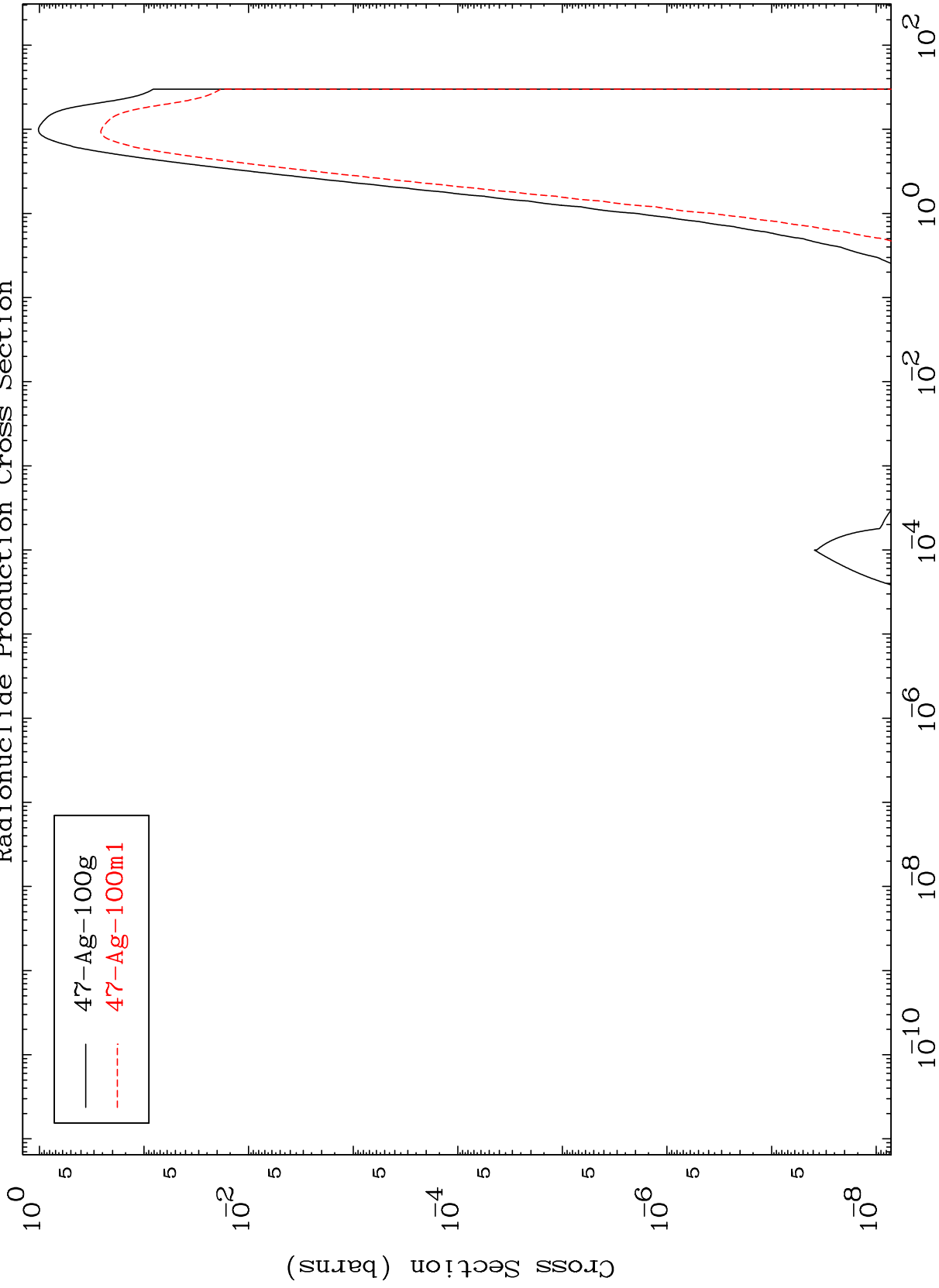
Incident Energy (MeV)

49-In-101

MAT 4889

Radionuclide Production Cross Section  
(n,2p)

49-In-101



29

Incident Energy (MeV)

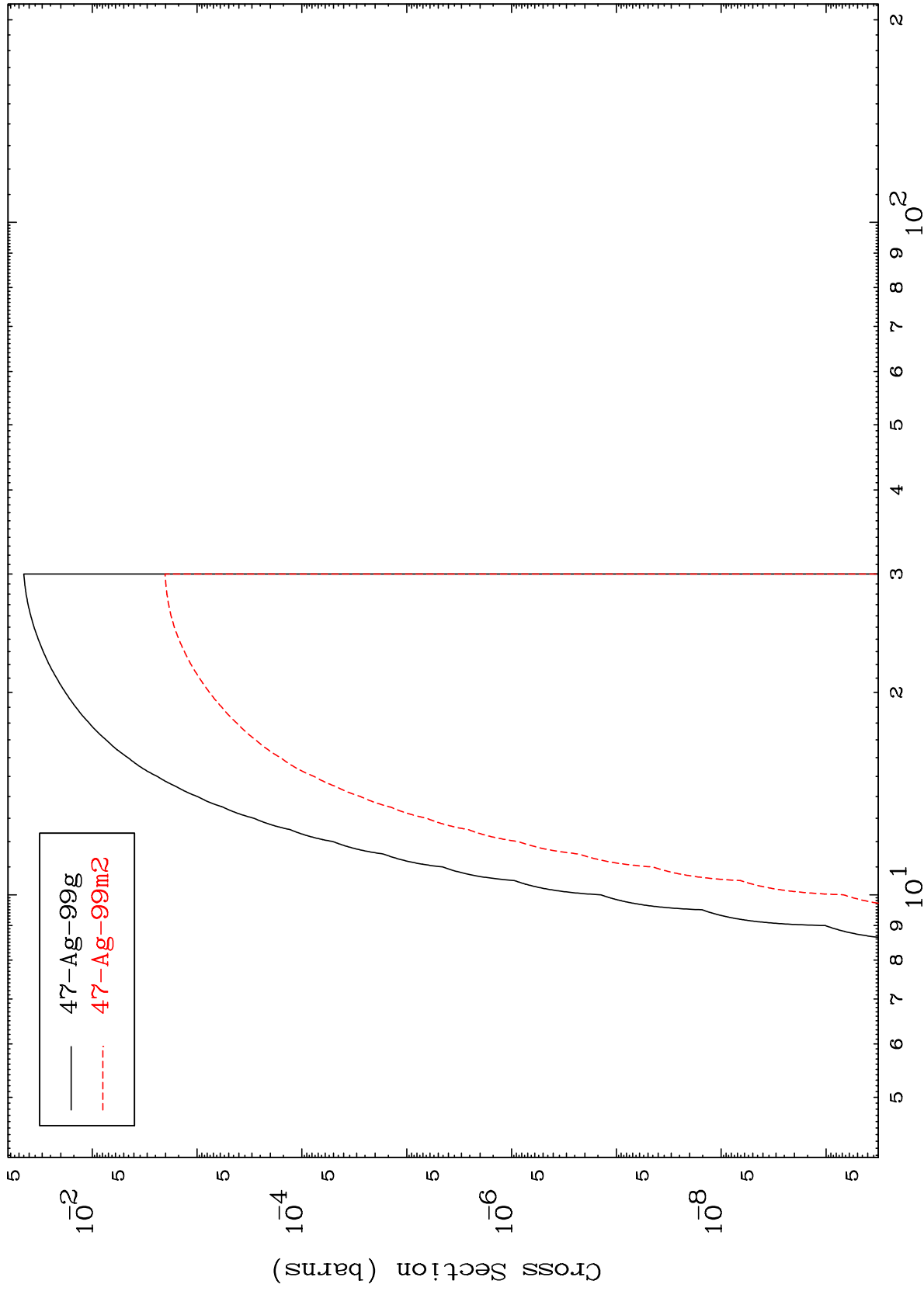
49-In-101

MAT 4889

(n,p) d

49-In-101

Radionuclide Production Cross Section



30

Incident Energy (MeV)

49-In-101