

Program EVALPLOT
(Version 2015-2)

by

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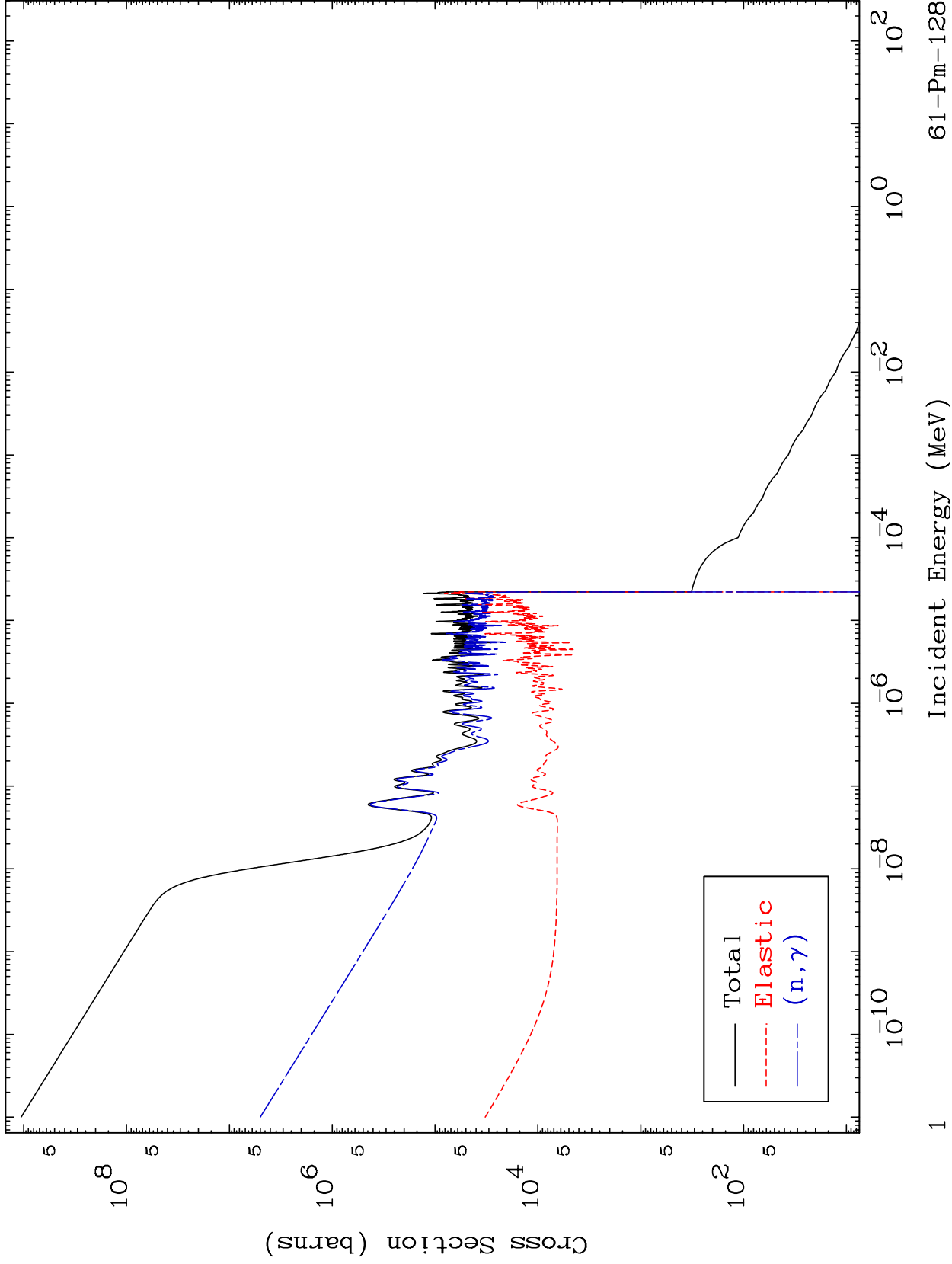
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6092

Major
293 Kelvin Cross Sections

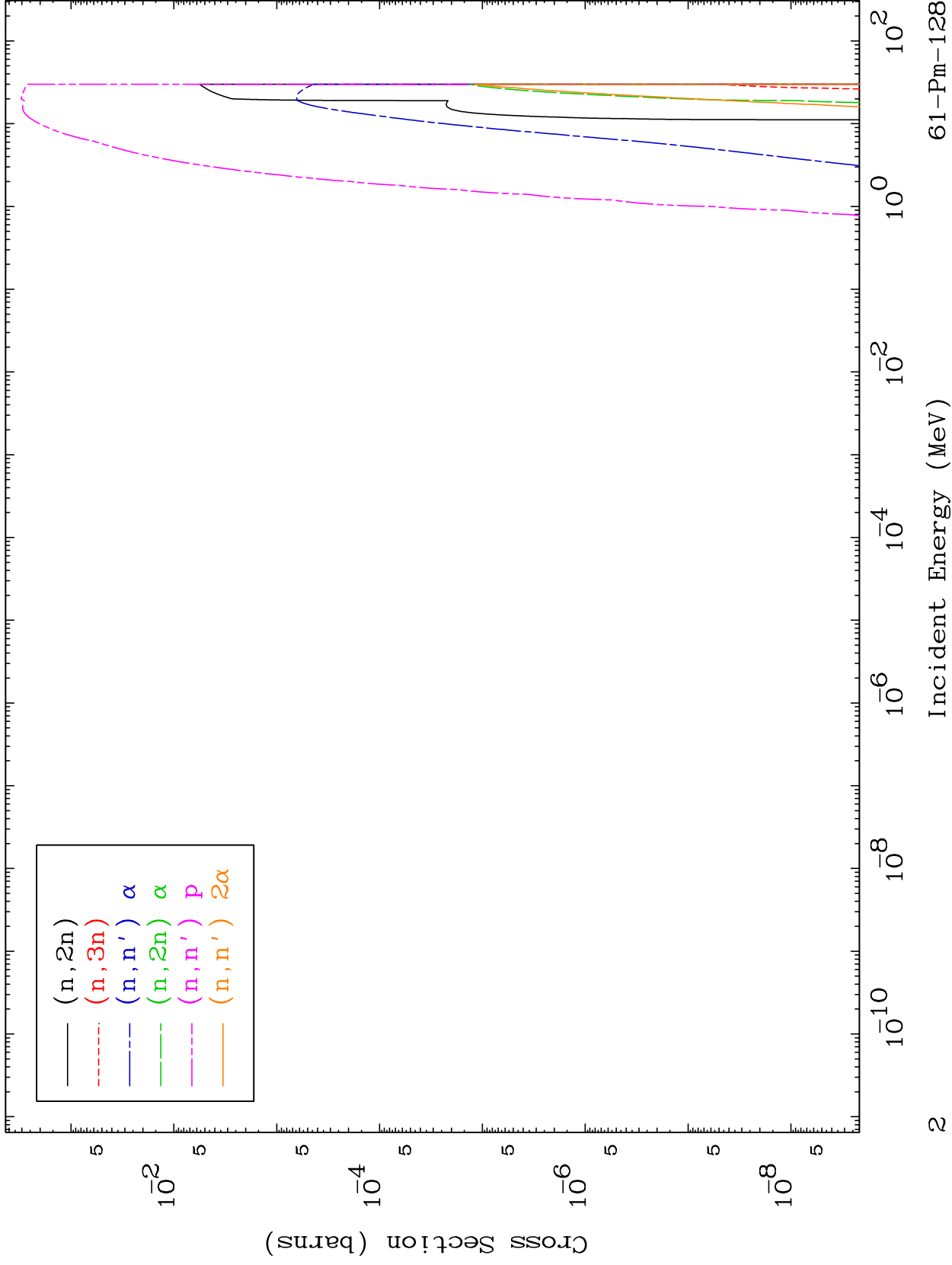
61-Pm-128

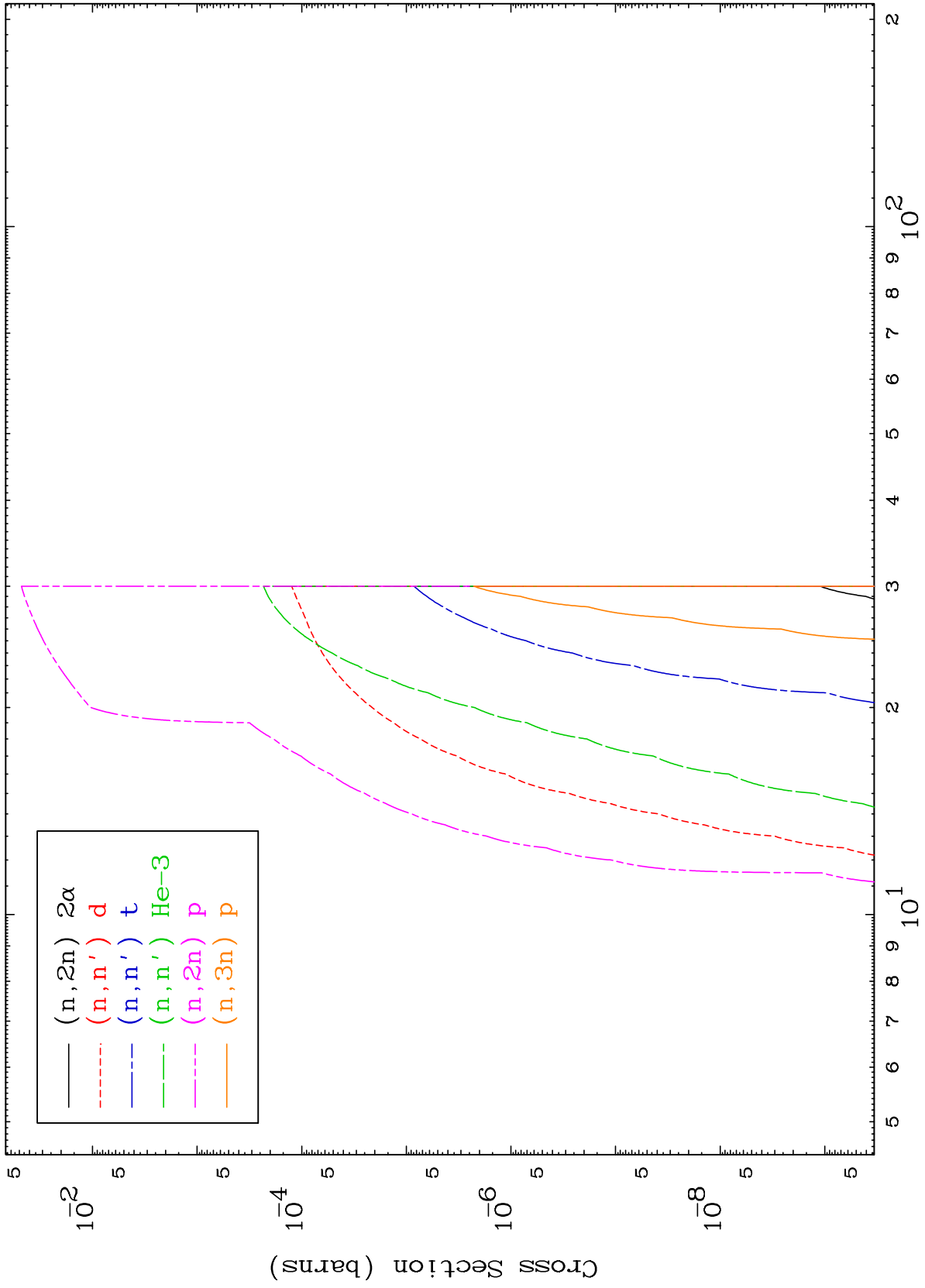


MAT 6092

Neutron Production
293 Kelvin Cross Sections

61-Pm-128

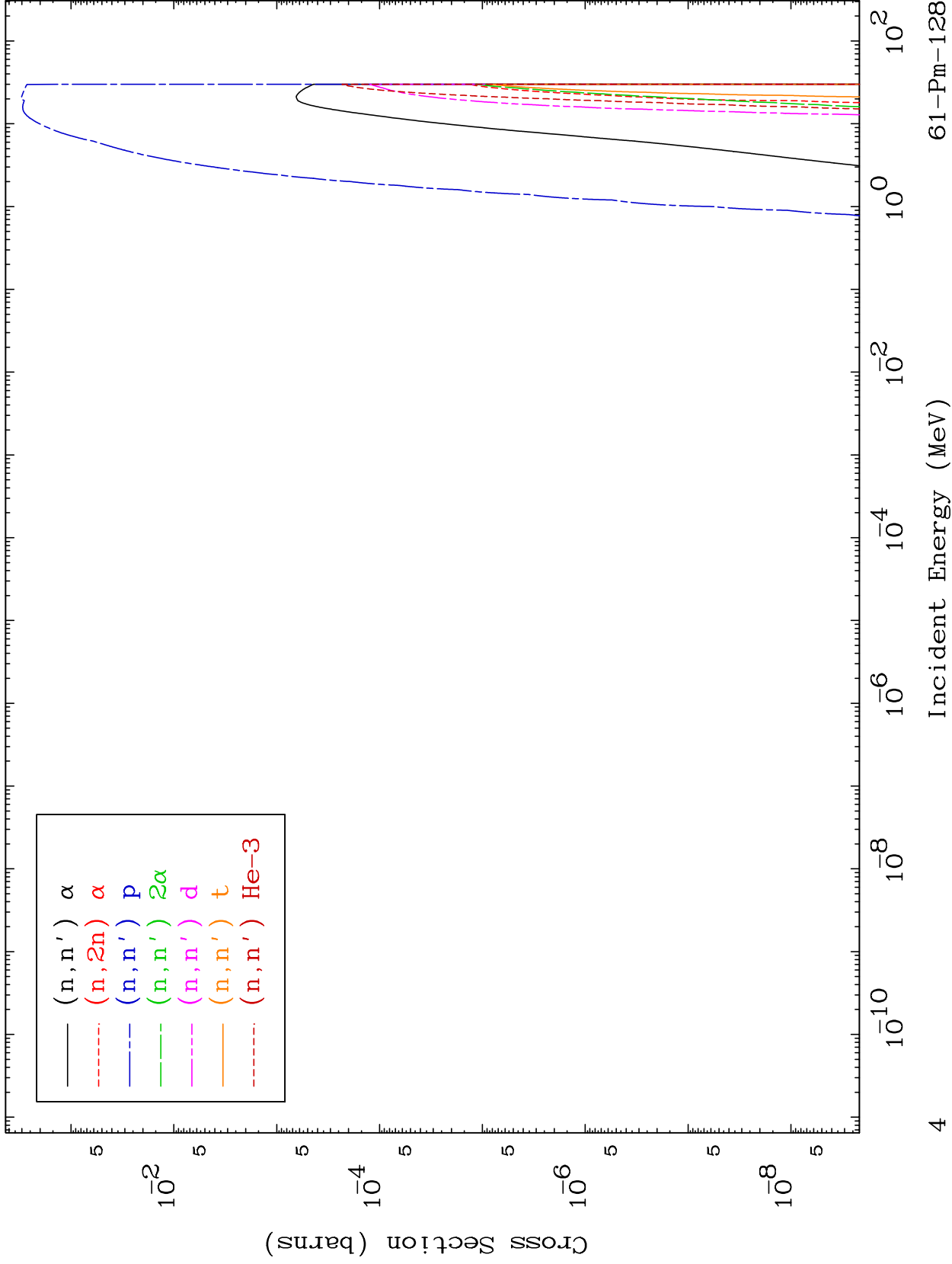




MAT 6092

Charged Particle
293 Kelvin Cross Sections

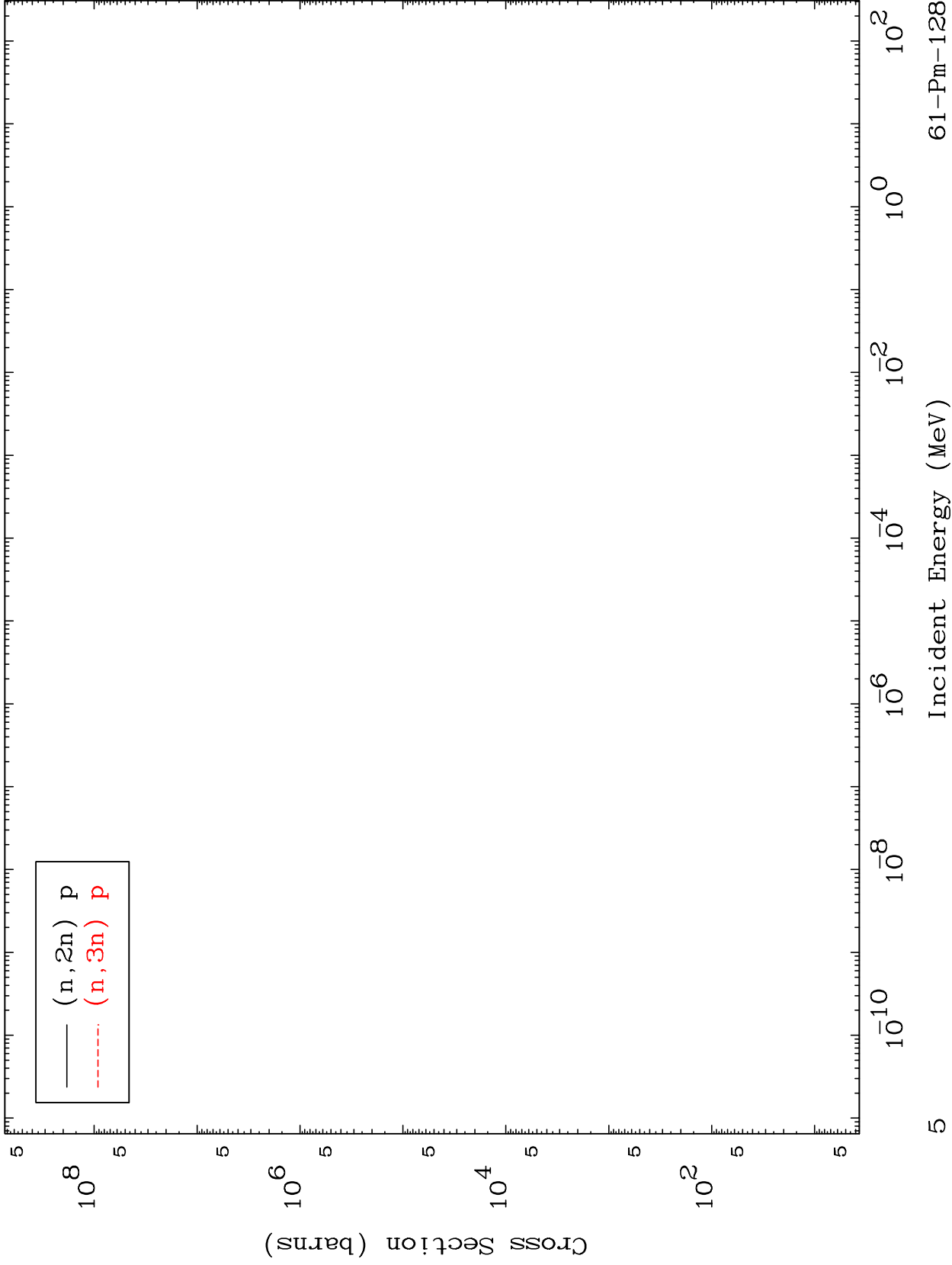
61-Pm-128



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Charged Particle
293 Kelvin Cross Sections

61-Pm-128



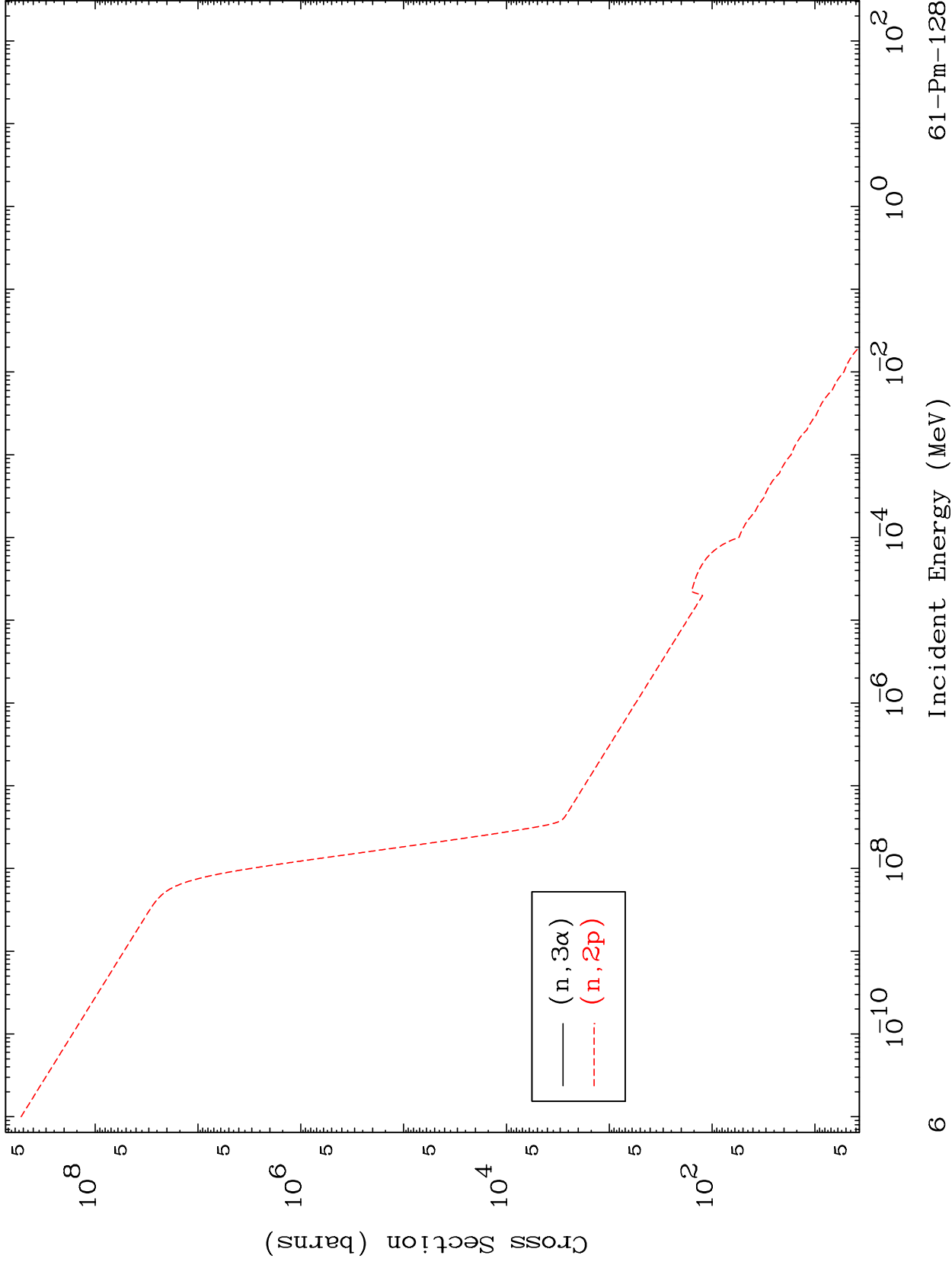
5

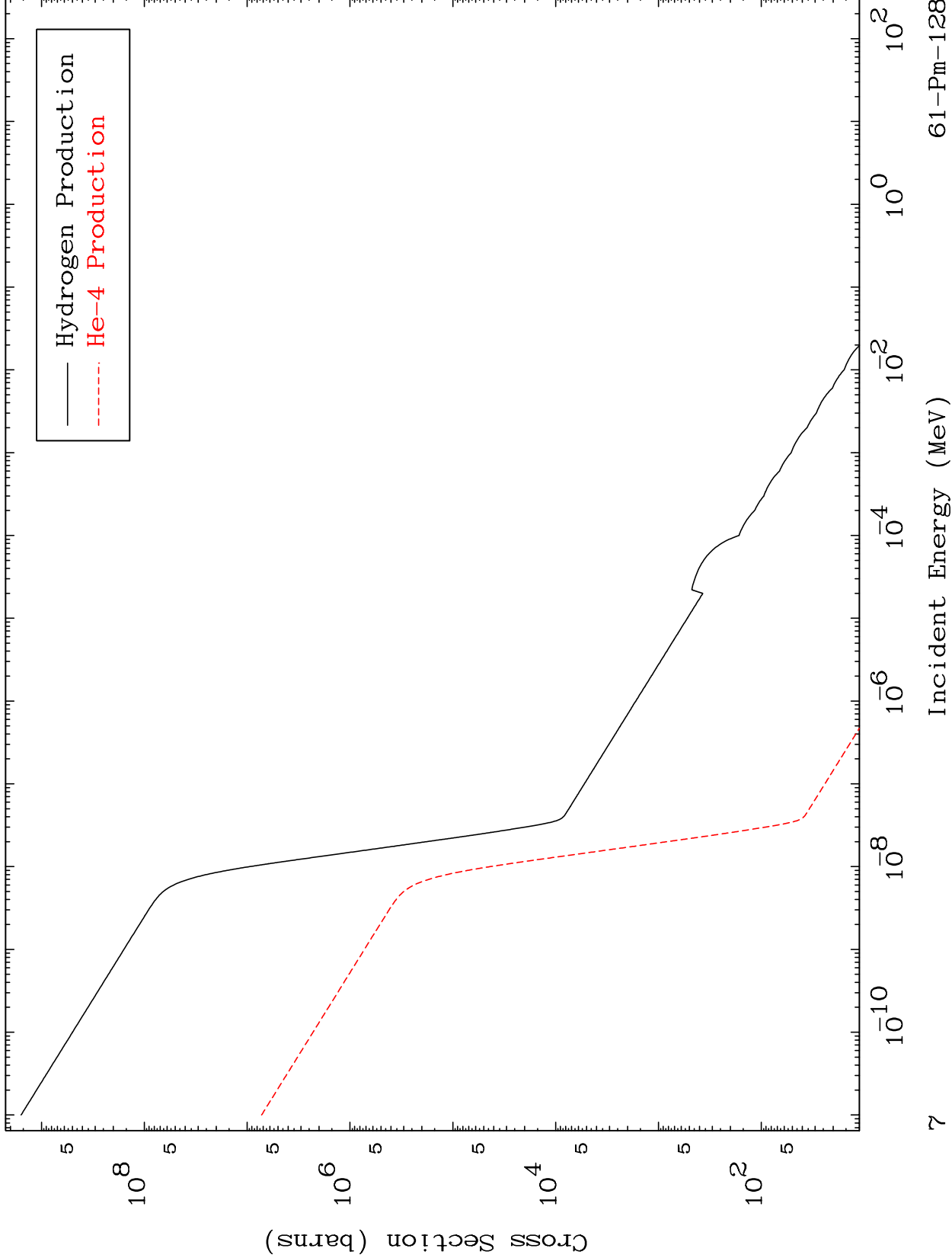
61-Pm-128

MAT 6092

Charged Particle
293 Kelvin Cross Sections

61-Pm-128

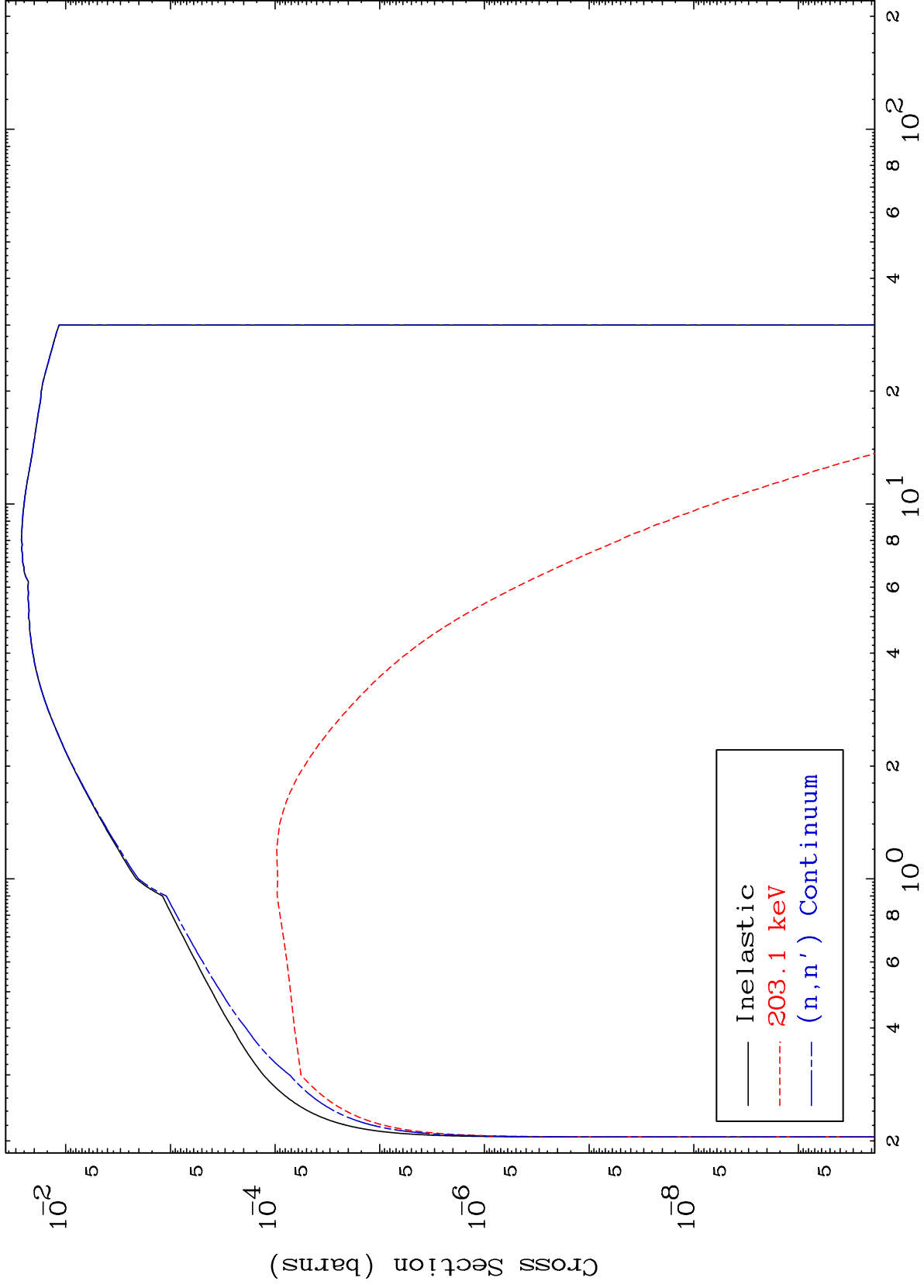




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293 Kelvin Cross Sections
(n,n') Level

61-Pm-128



8

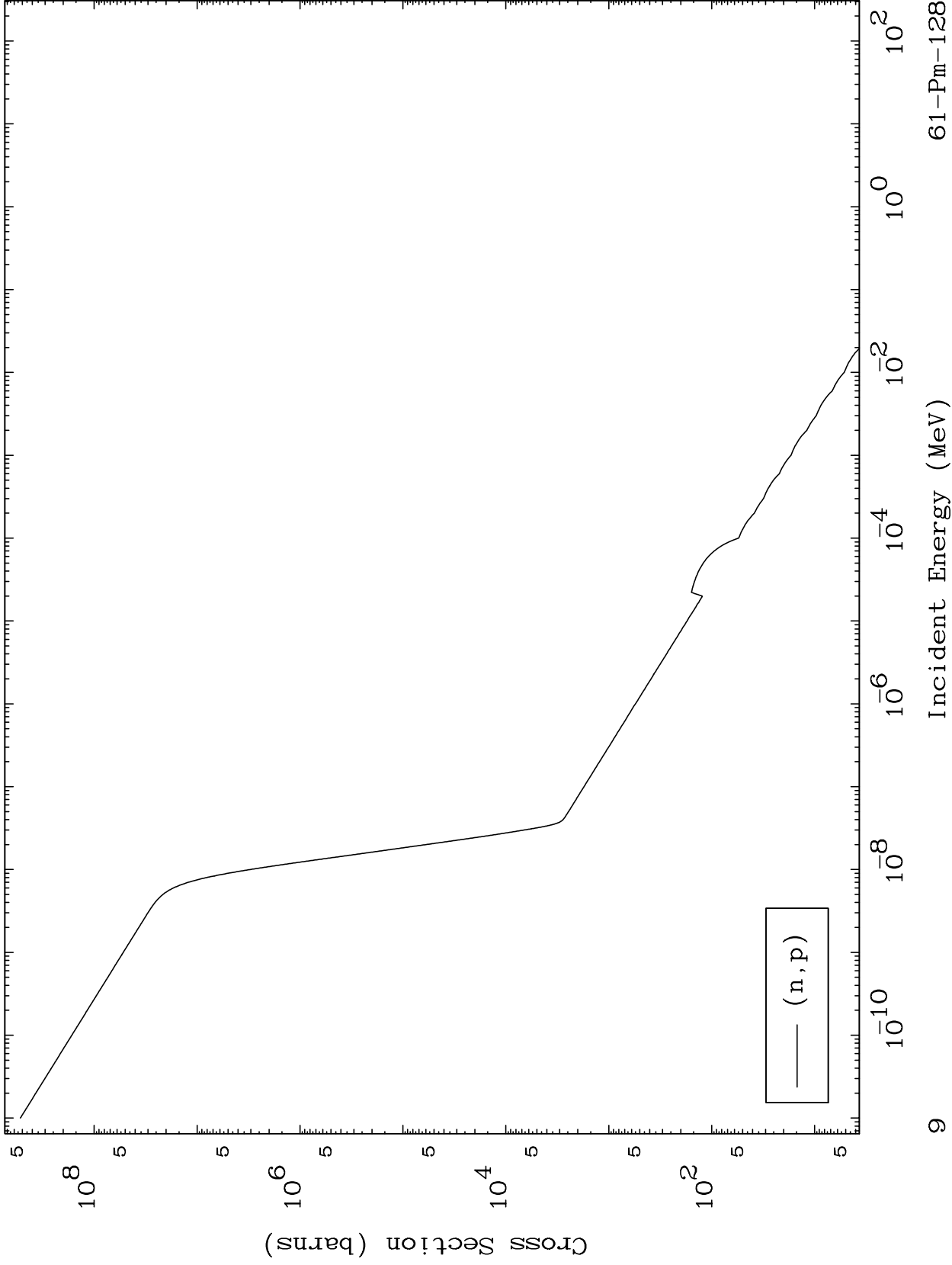
Incident Energy (MeV)

61-Pm-128

MAT 6092

(n,p) Levels
293 Kelvin Cross Sections

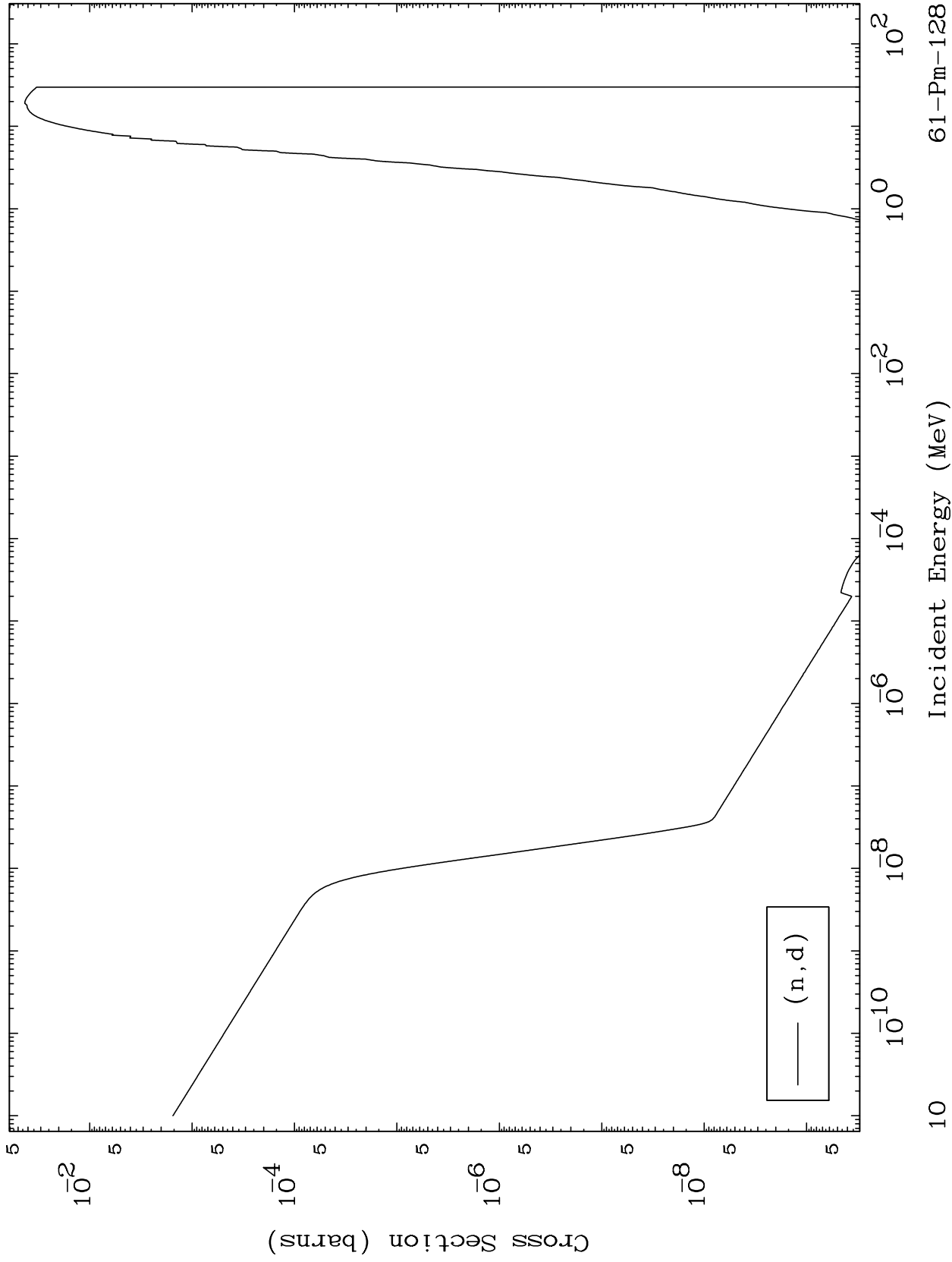
61-Pm-128



MAT 6092

(n,d) Levels
293 Kelvin Cross Sections

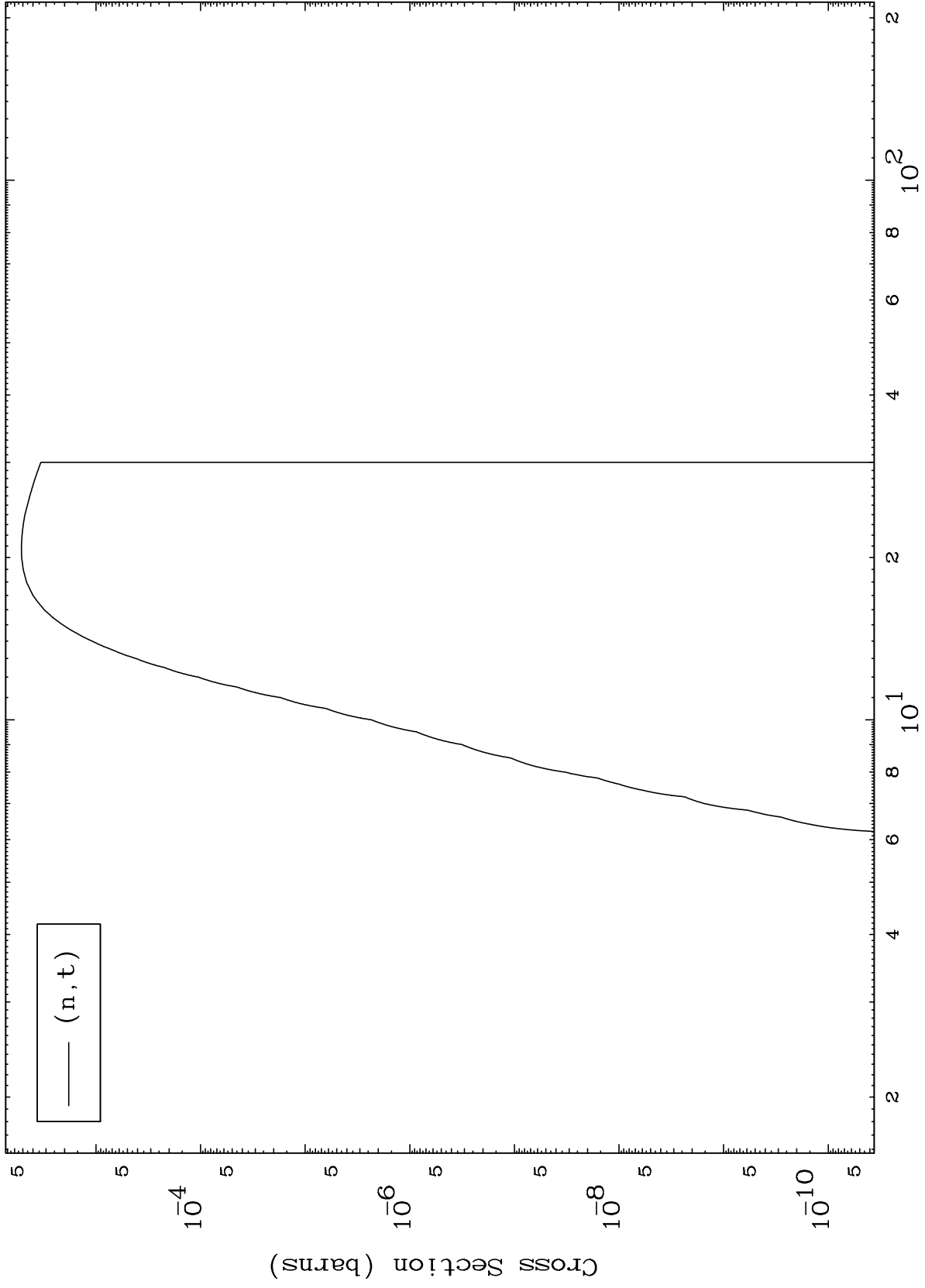
61-Pm-128



MAT 6092

(n,t) Levels
293 Kelvin Cross Sections

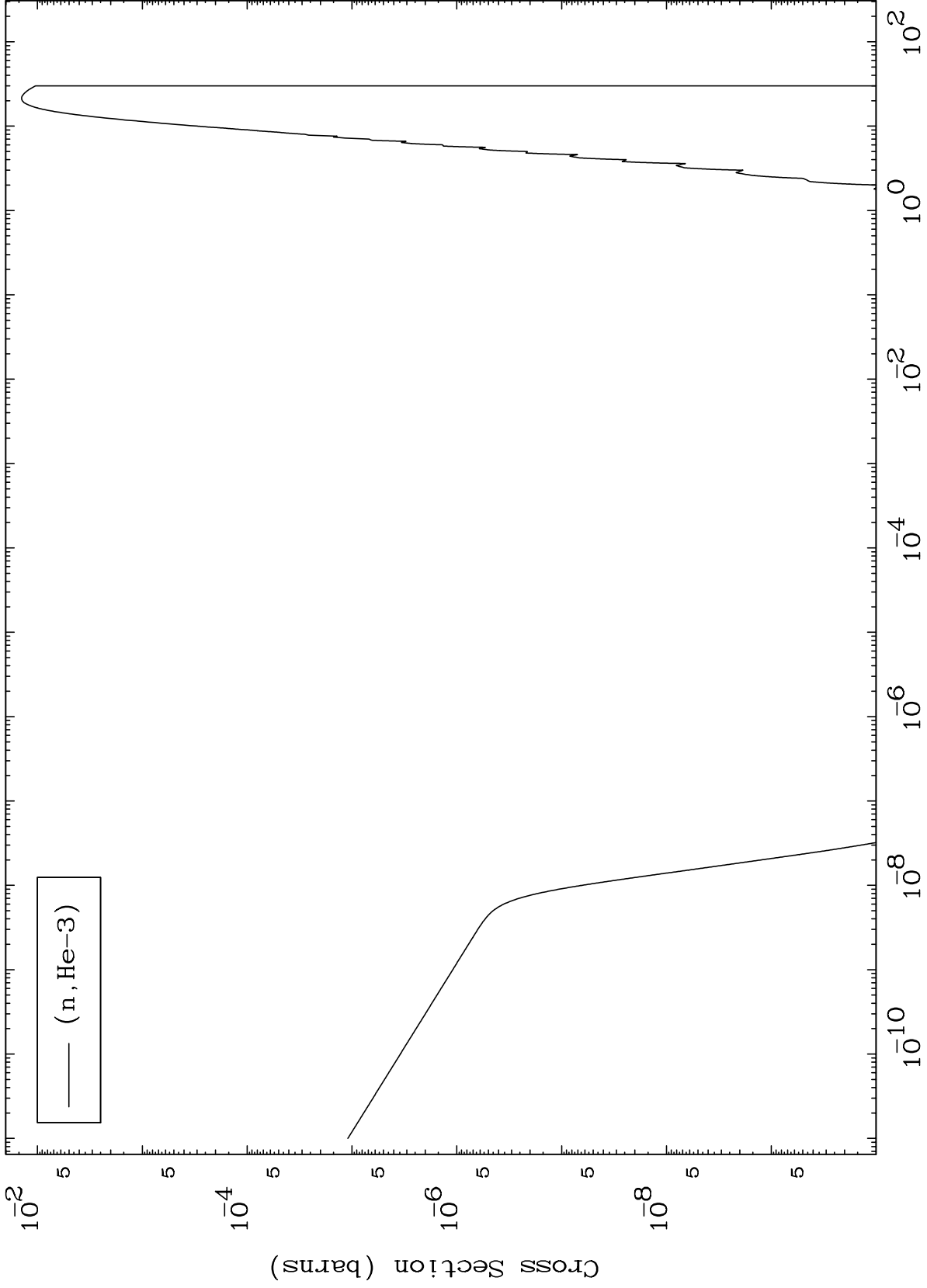
61-Pm-128



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(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-128



12

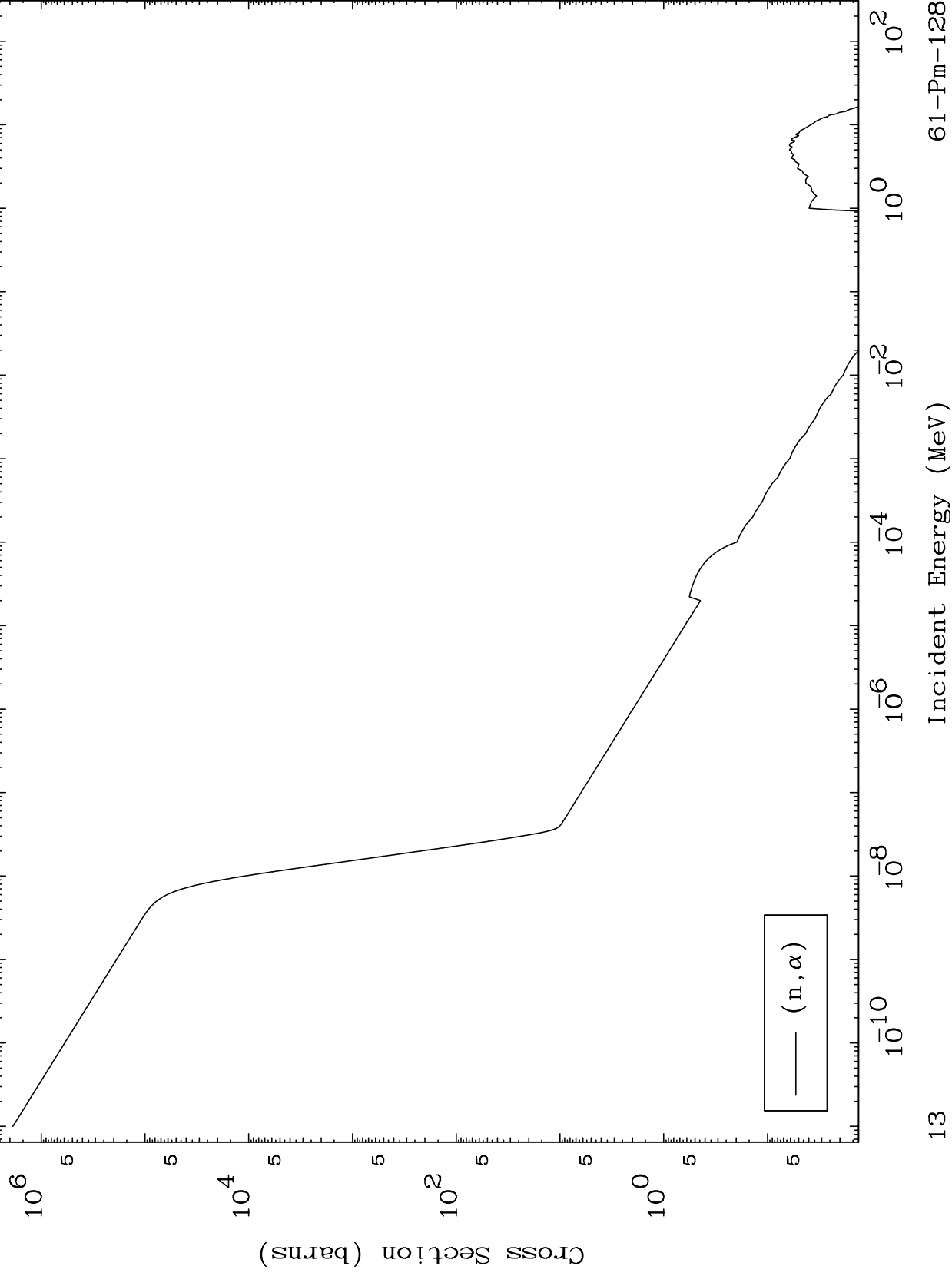
Incident Energy (MeV)

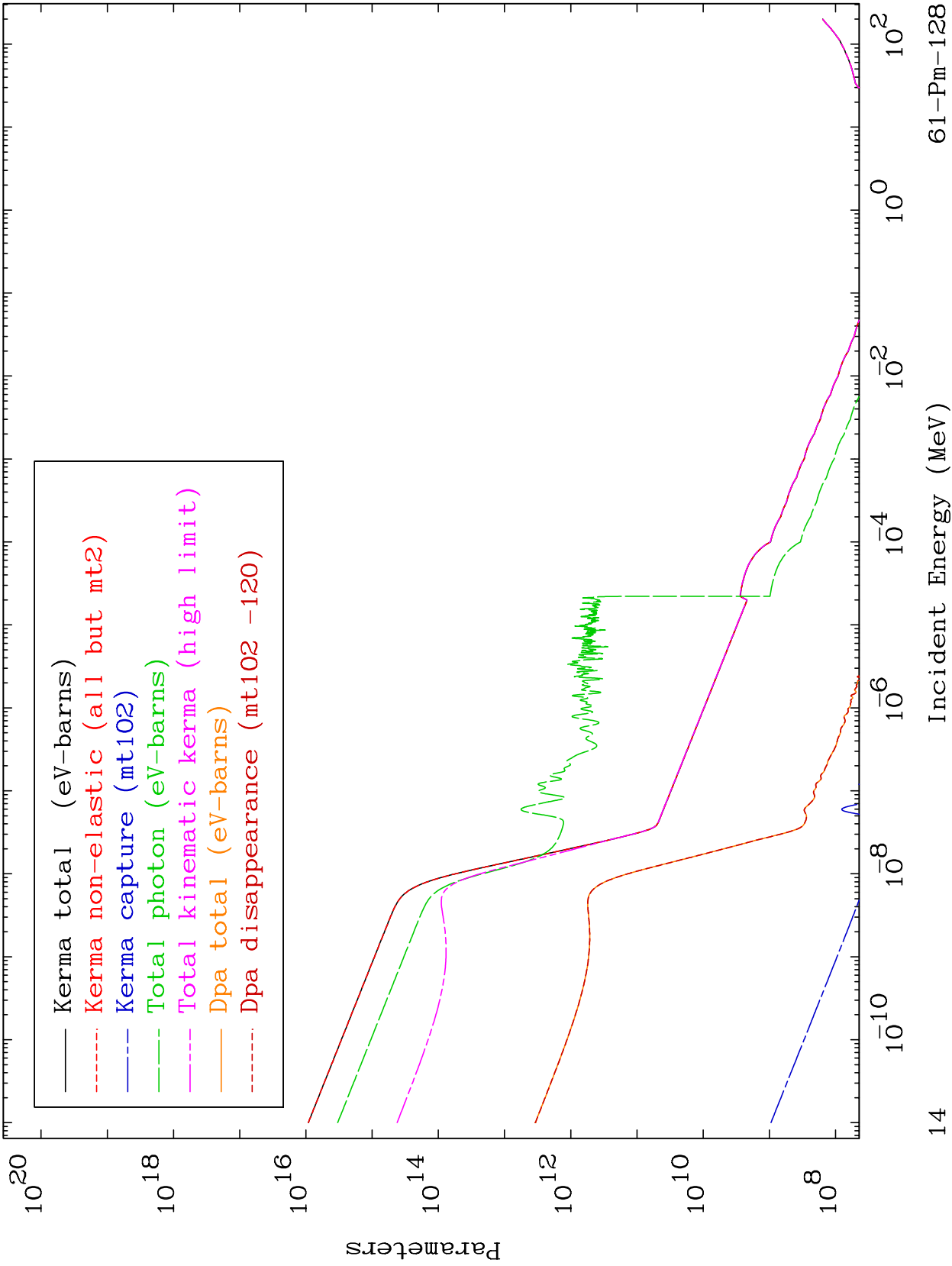
61-Pm-128

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(n, α) Levels
293 Kelvin Cross Sections

61-Pm-128

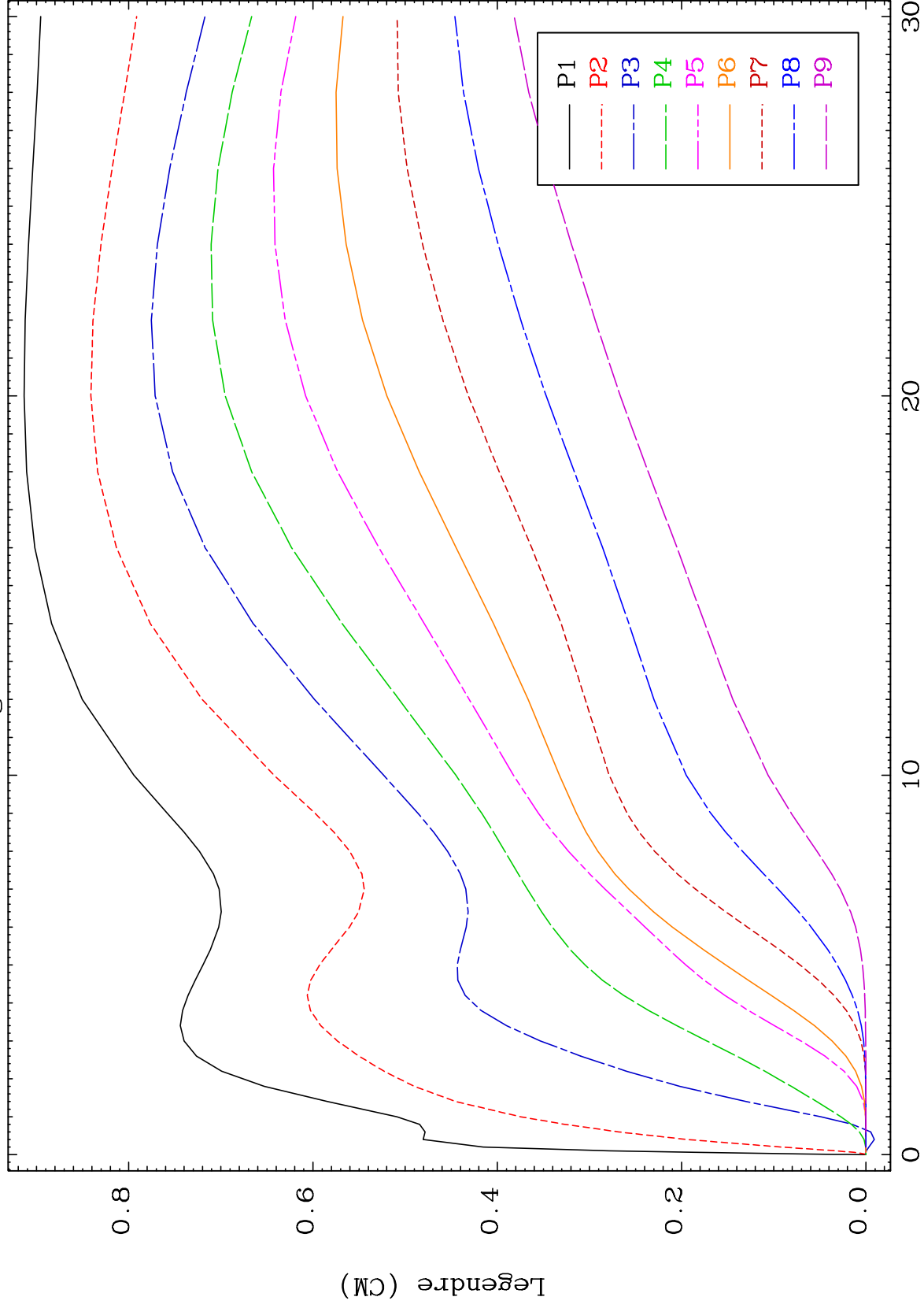




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Elastic Legendre Coefficients

61-Pm-128



15

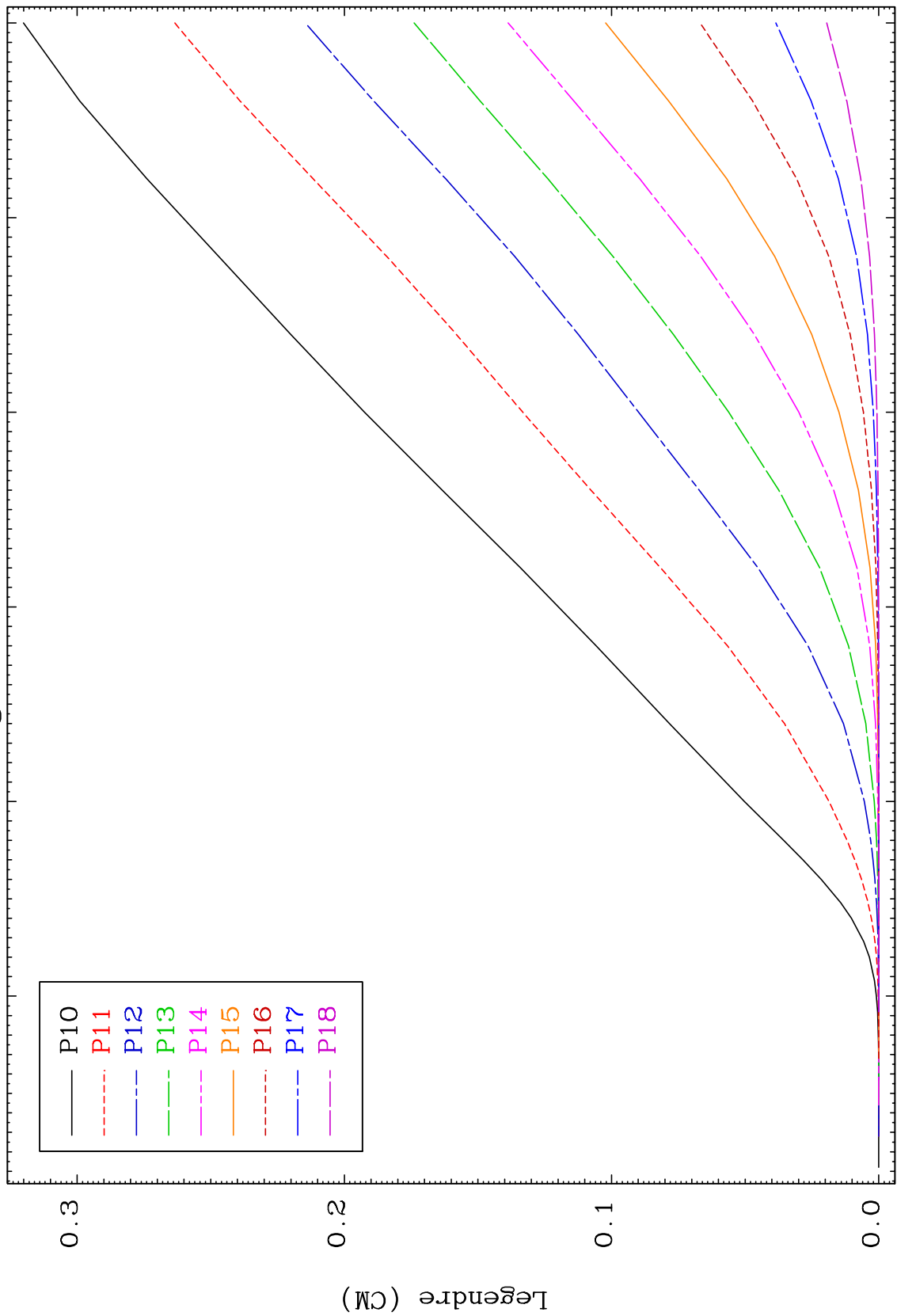
Incident Energy (MeV)

61-Pm-128

MAT 6092

Elastic Legendre Coefficients

61-Pm-128



16

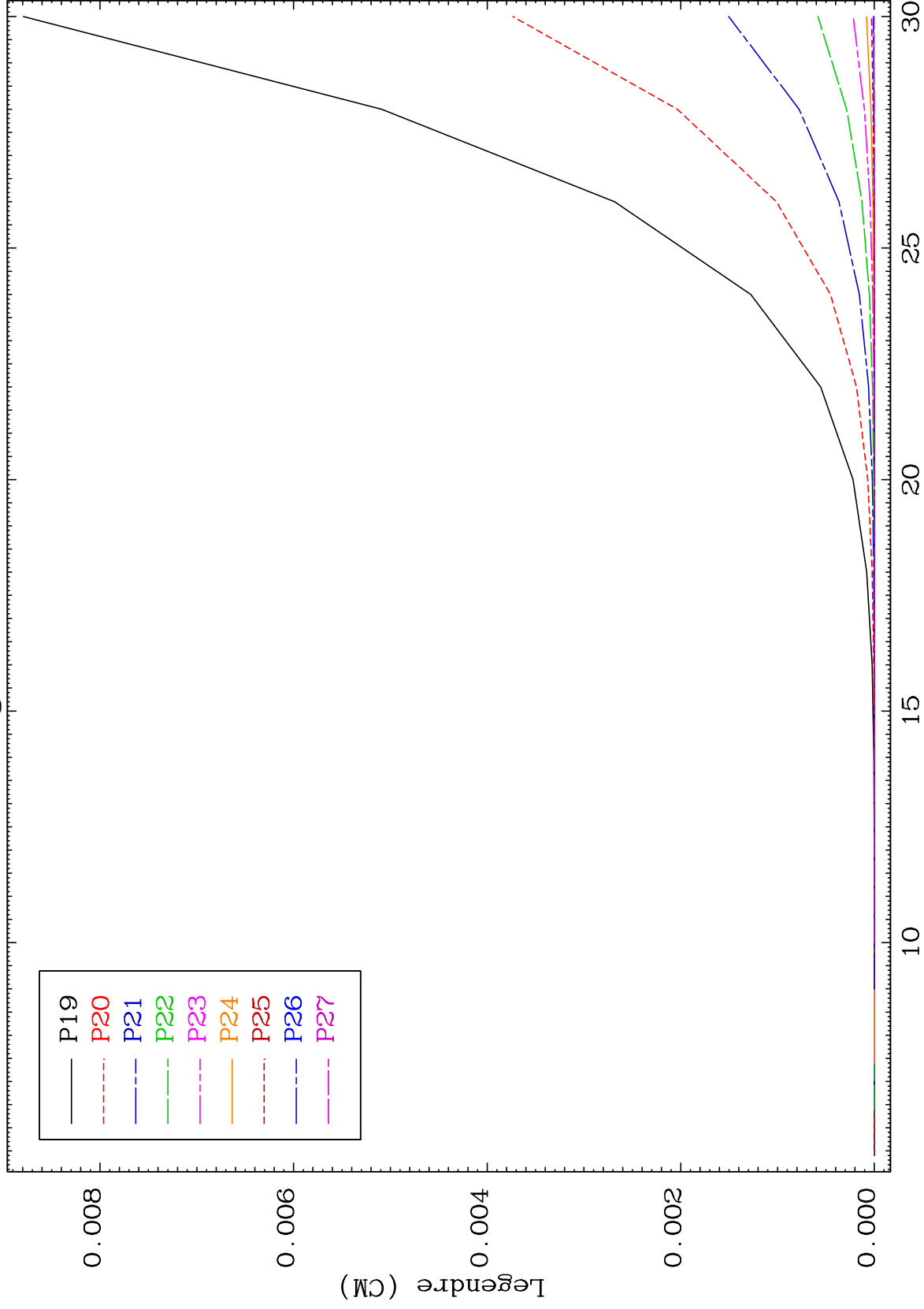
Incident Energy (MeV)

61-Pm-128

MAT 6092

Elastic Legendre Coefficients

61-Pm-128



17

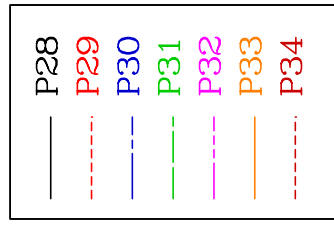
Incident Energy (MeV)

61-Pm-128

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Elastic
Legendre Coefficients

61-Pm-128



$\times 10^{-7}$

Legendre (CM)

6

4

2

0

15

20

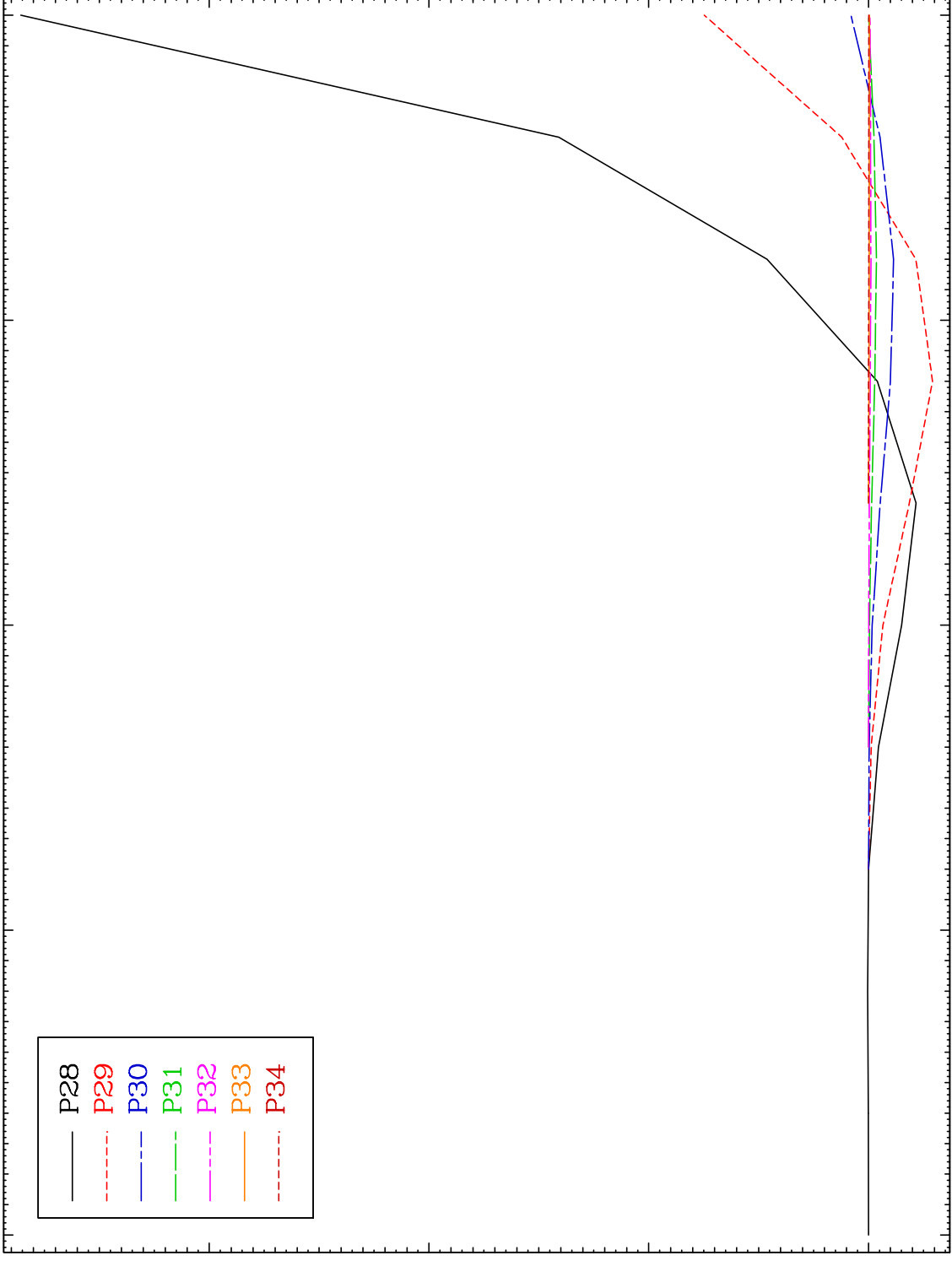
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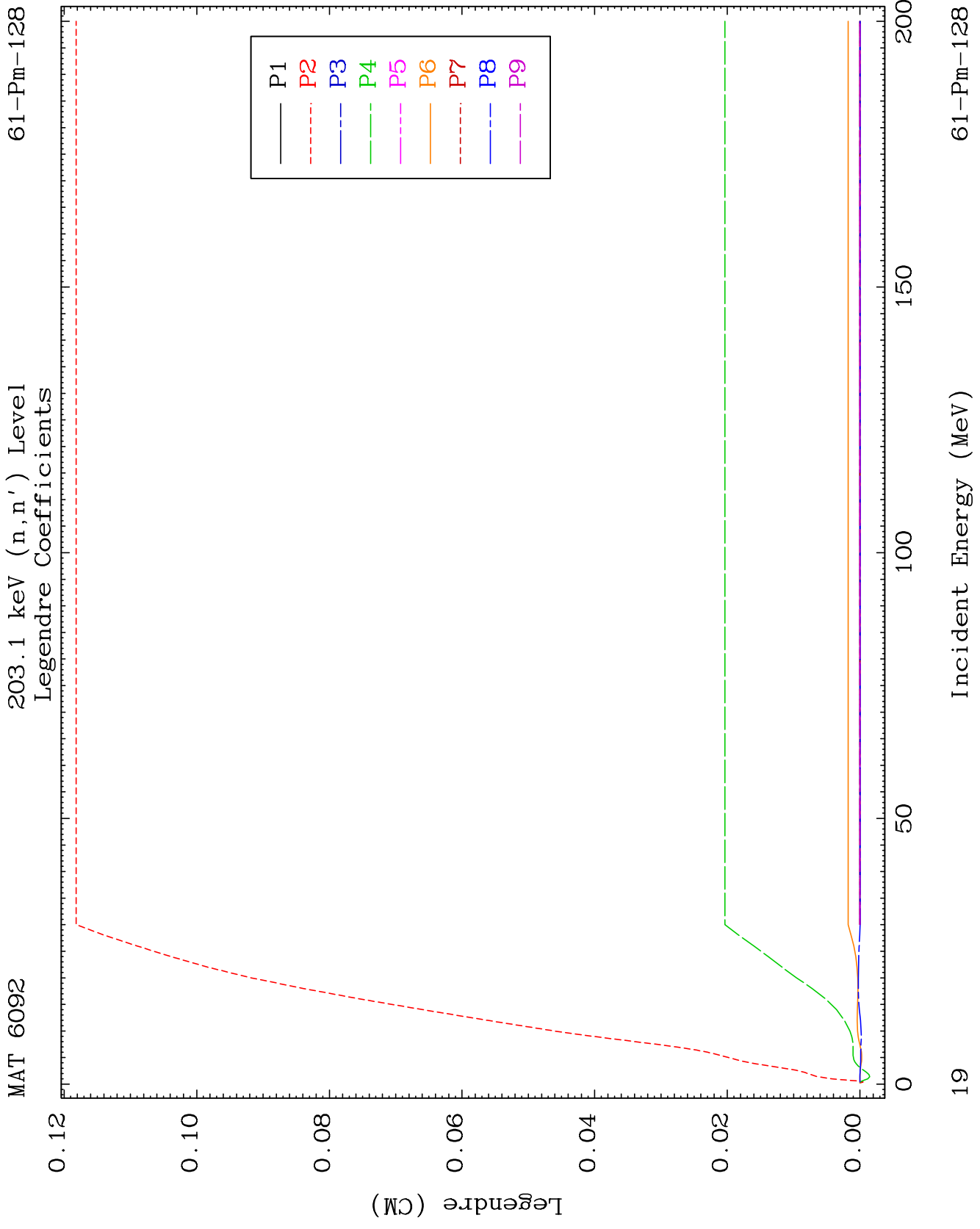
30

18

Incident Energy (MeV)

61-Pm-128

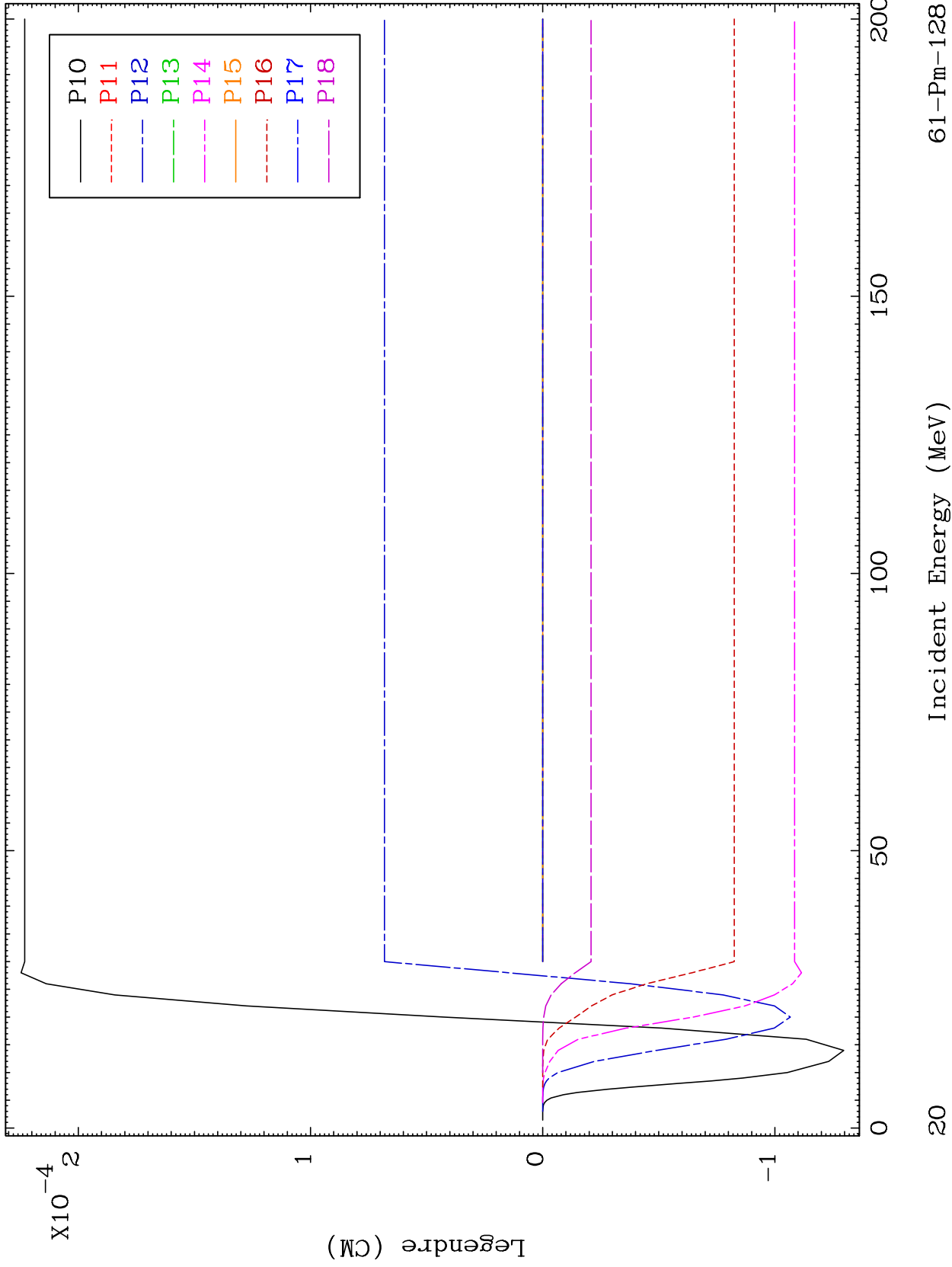




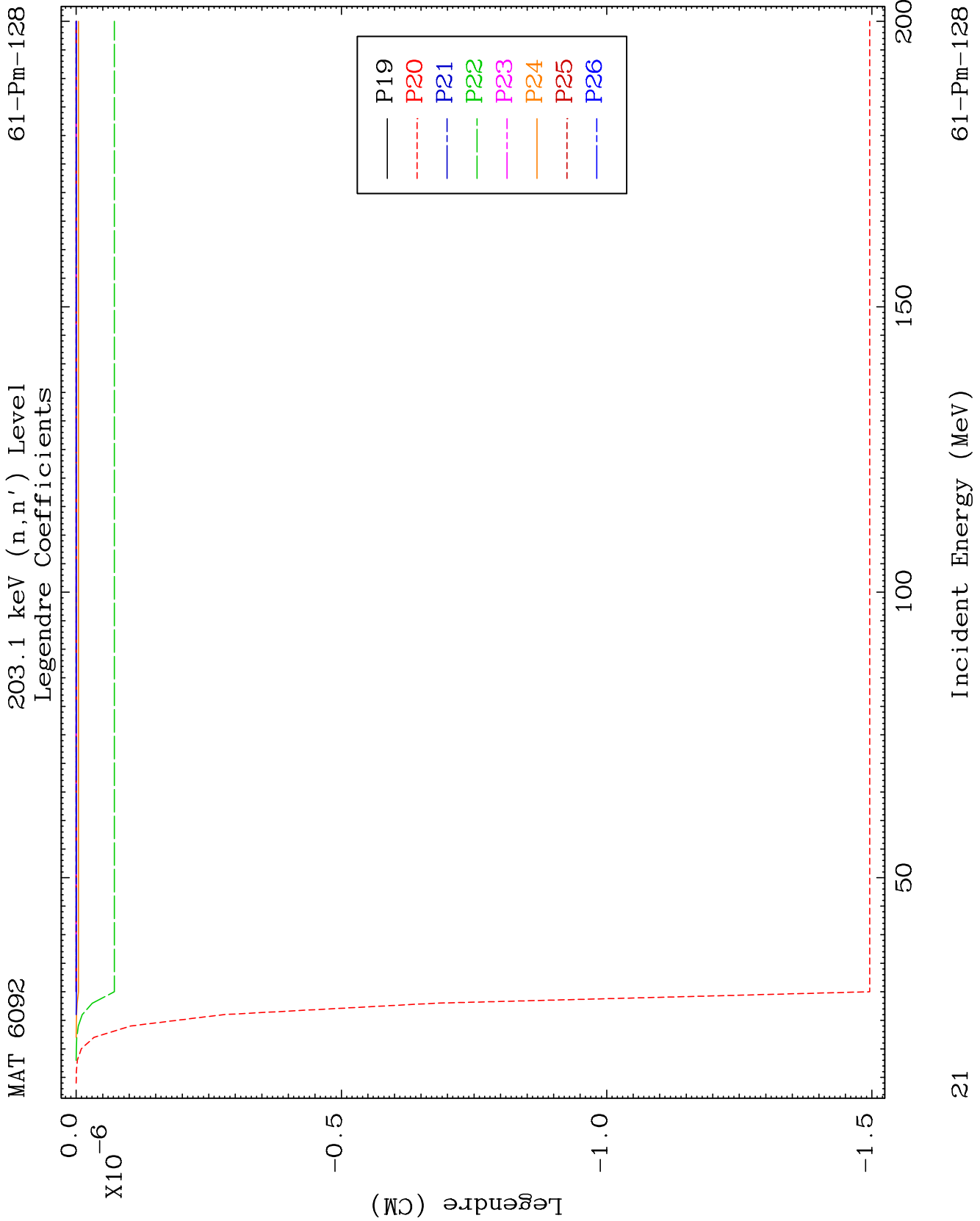
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203.1 keV (n,n') Level
Legendre Coefficients

61-Pm-128



61-Pm-128

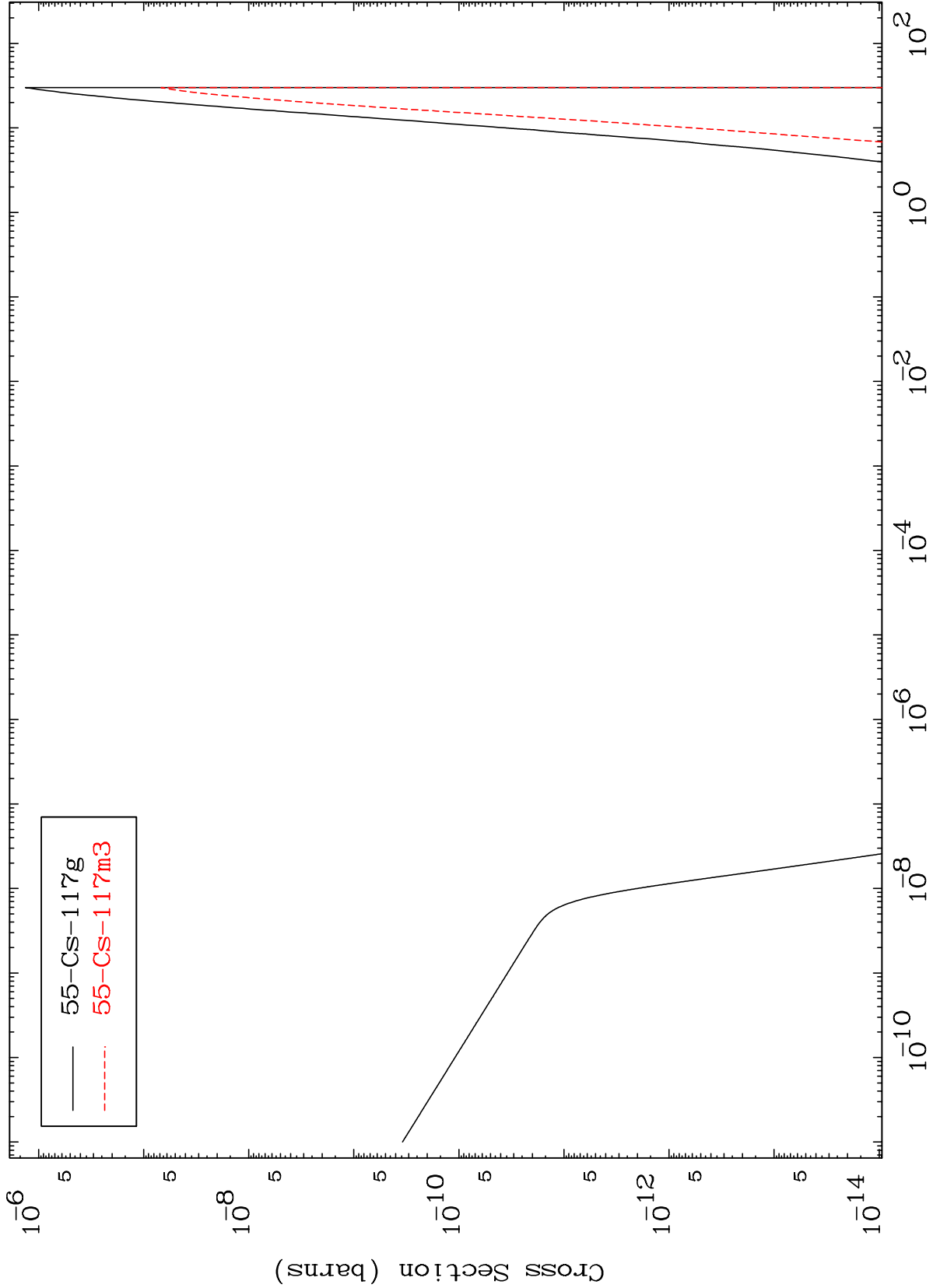


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(n,3 α)

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Radionuclide Production Cross Section



55-Cs-117g
55-Cs-117m3

Incident Energy (MeV)

61-Pm-128