

Program EVALPLOT
(Version 2018-1)

by

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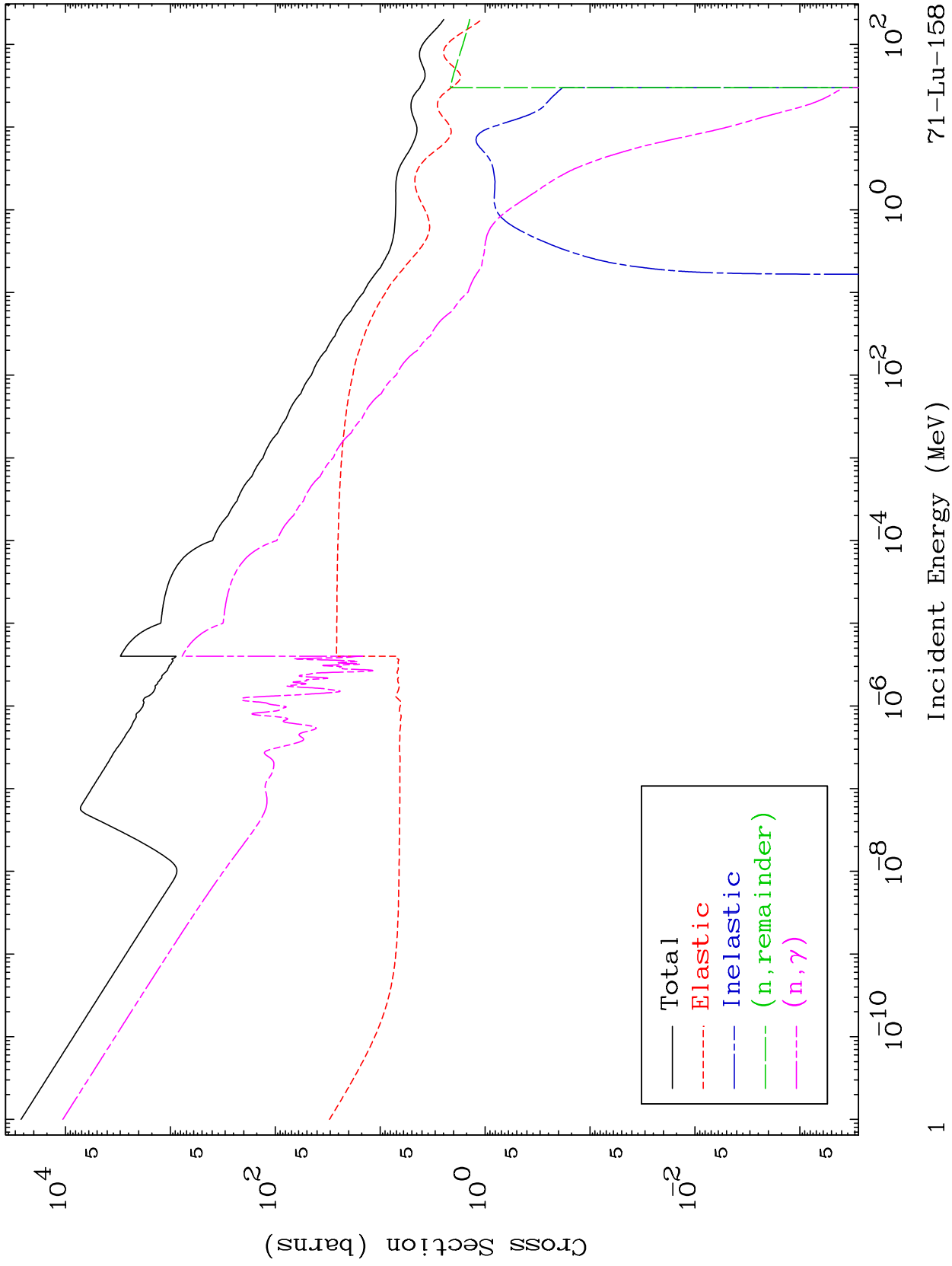
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7074

Major
293 Kelvin Cross Sections

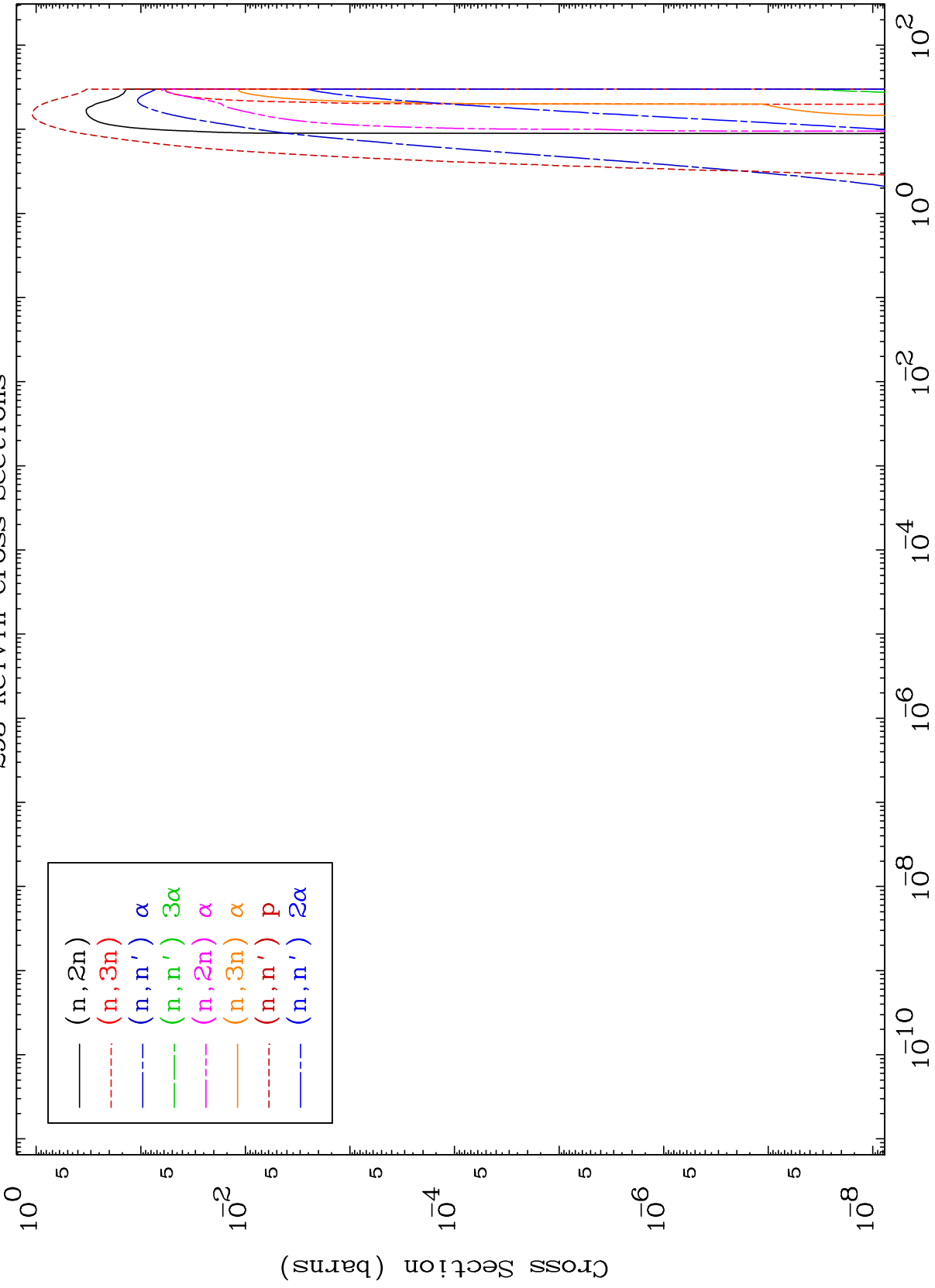
71-Lu-158



MAT 7074

Neutron Production
293 Kelvin Cross Sections

71-Lu-158



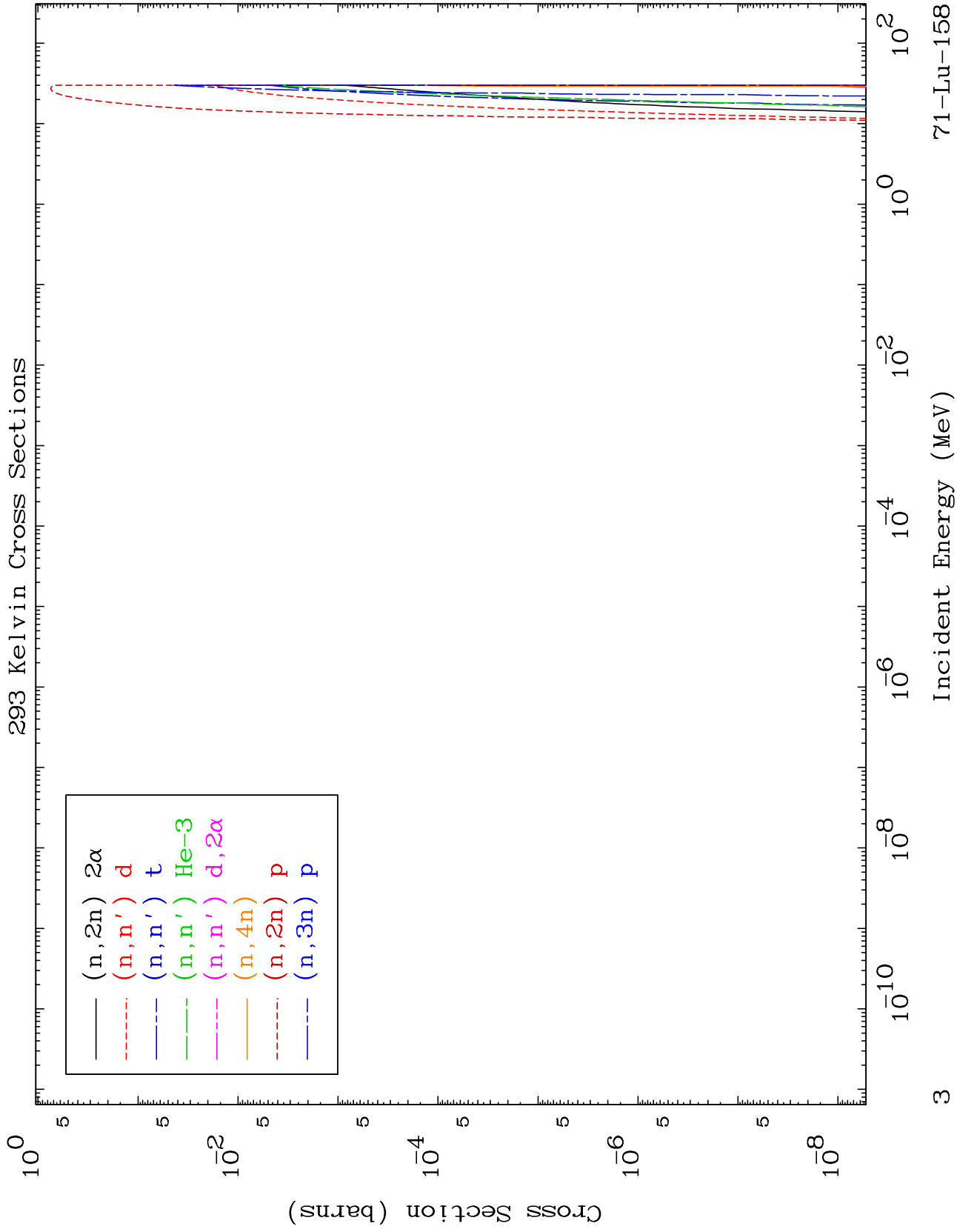
2

71-Lu-158

MAT 7074

Neutron Production
293 Kelvin Cross Sections

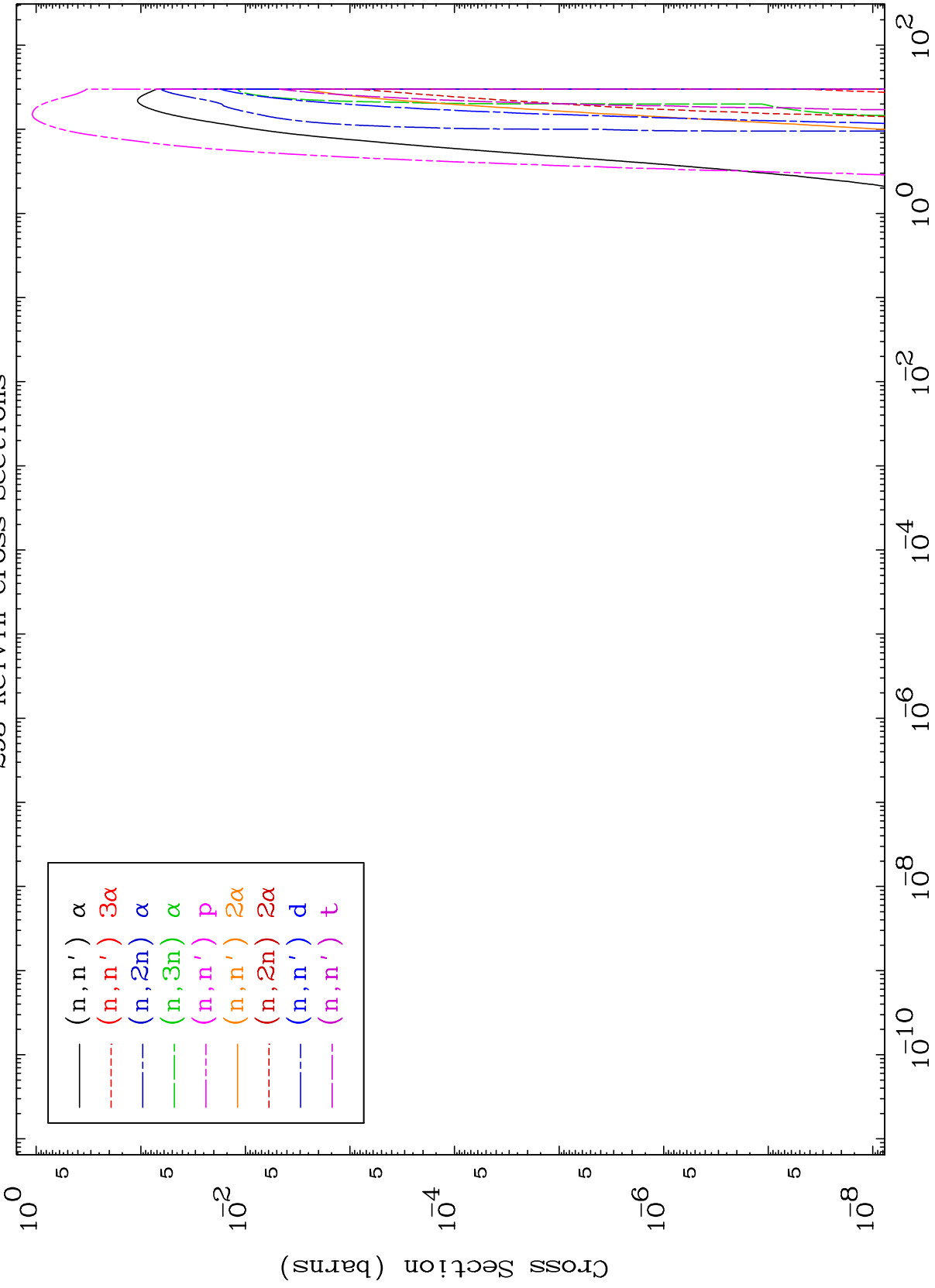
71-Lu-158



MAT 7074

293 Kelvin Cross Sections

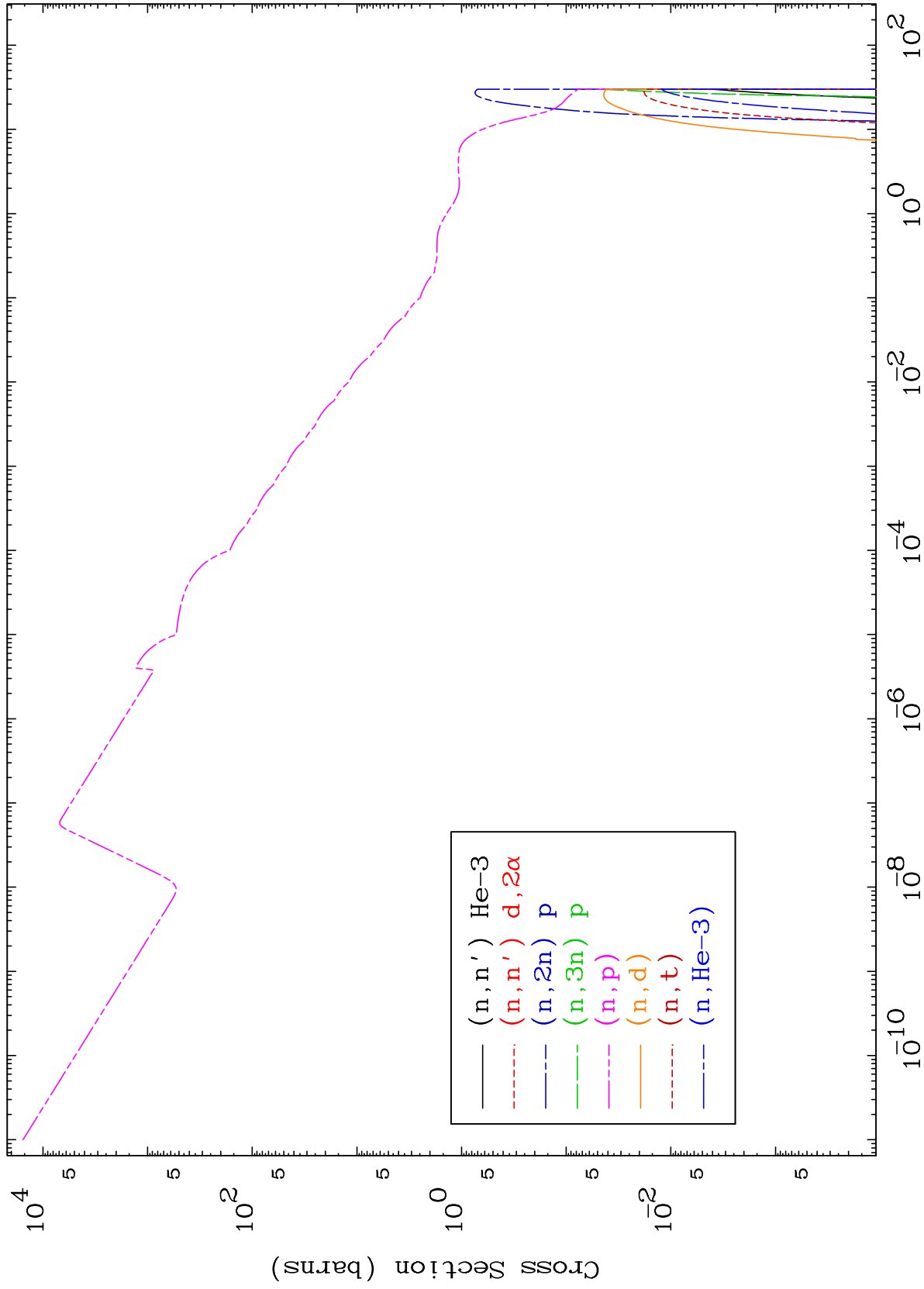
71-Lu-158



MAT 7074

Charged Particle
293 Kelvin Cross Sections

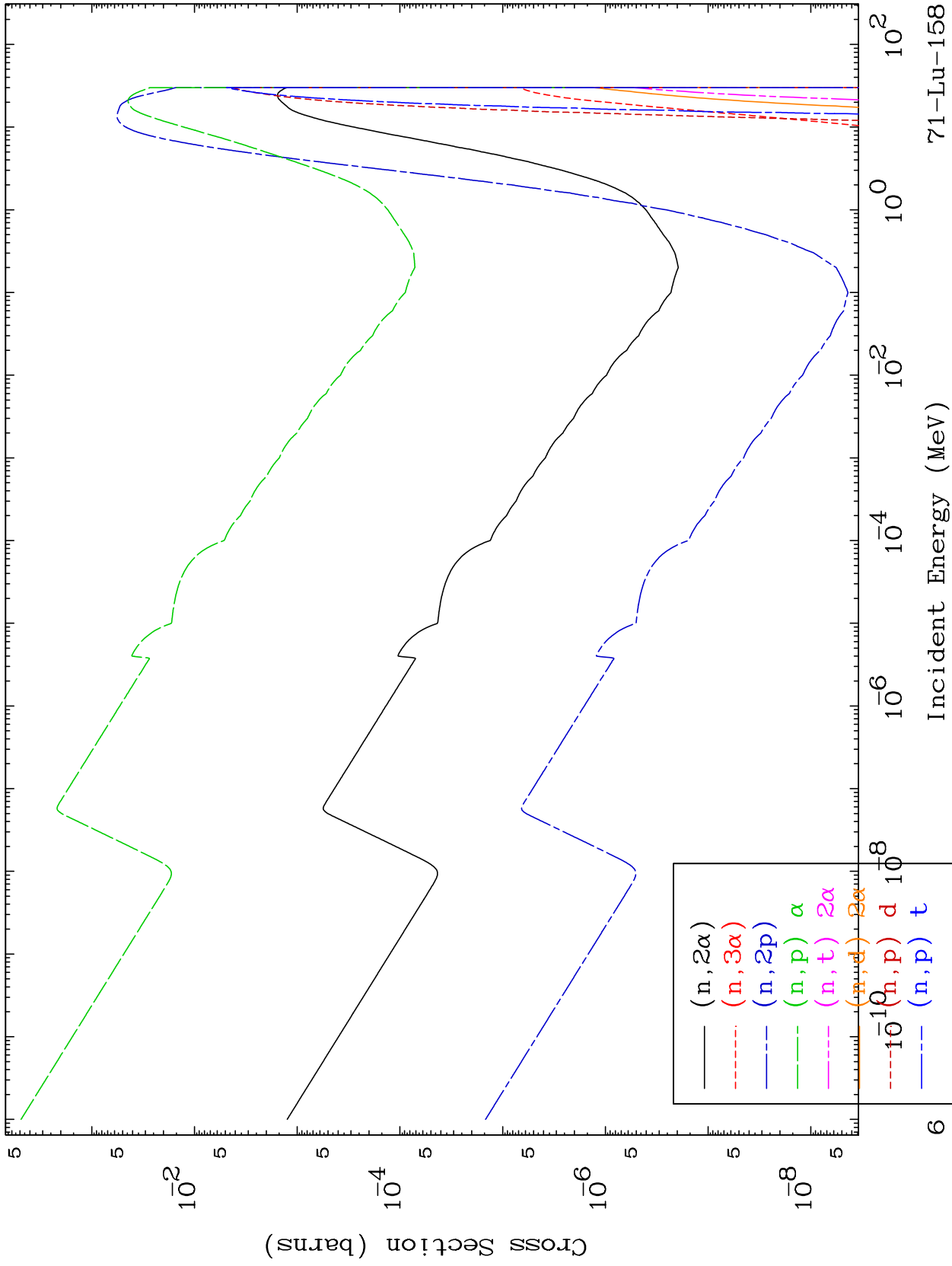
71-Lu-158



MAT 7074

293 Kelvin Cross Sections

71-Lu-158

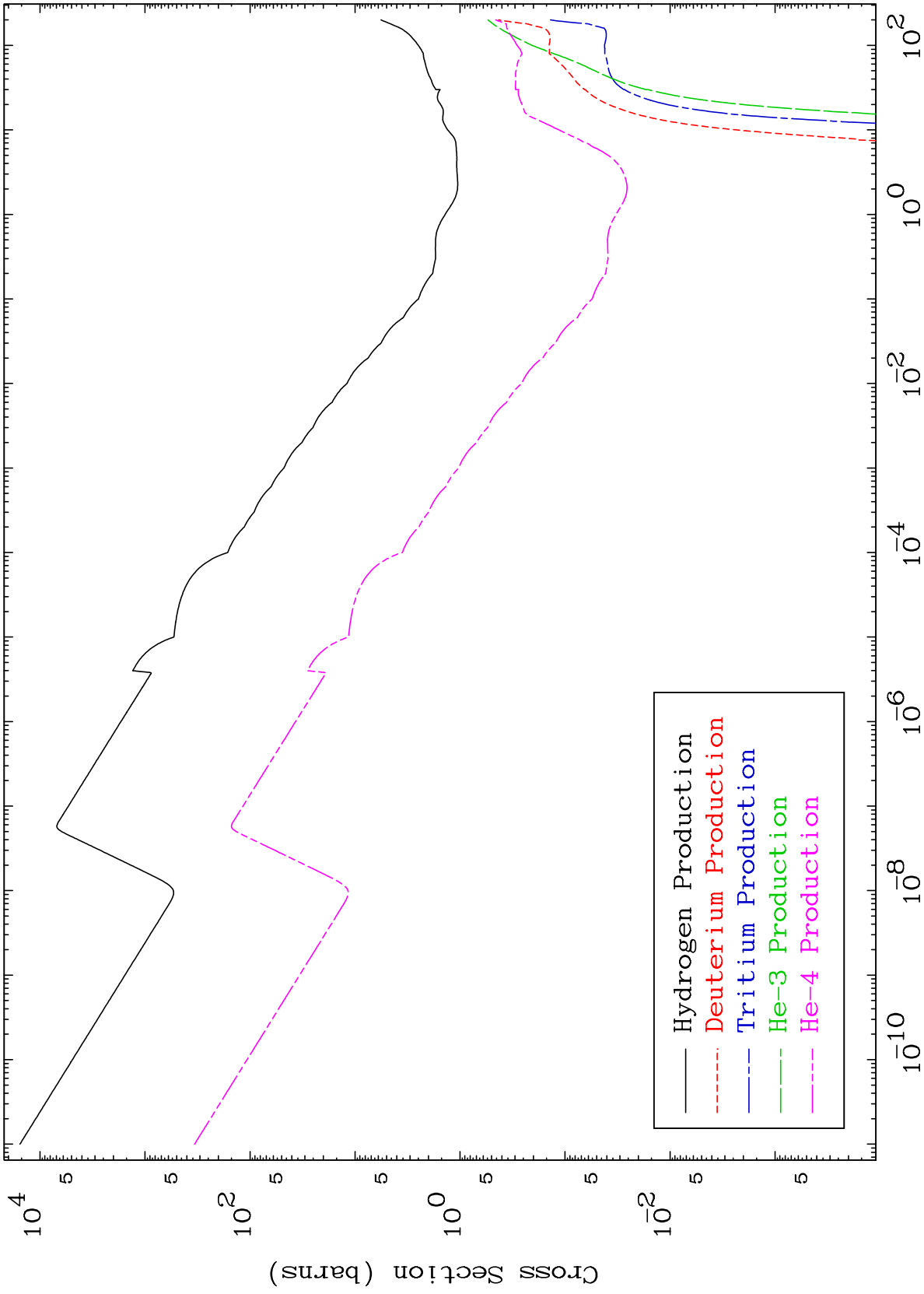


6

MAT 7074

Particle Production
293 Kelvin Cross Sections

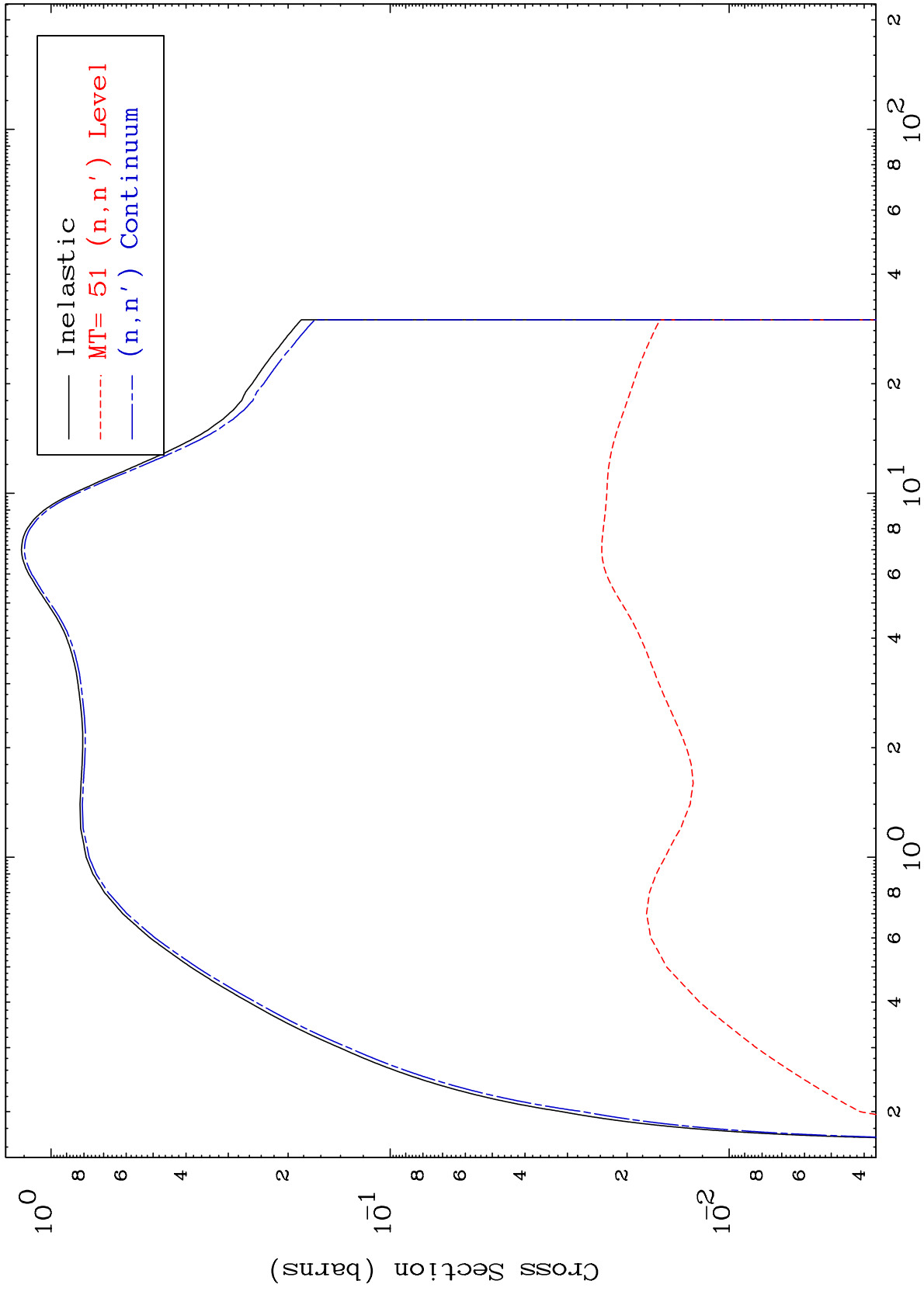
71-Lu-158



7

Incident Energy (MeV)

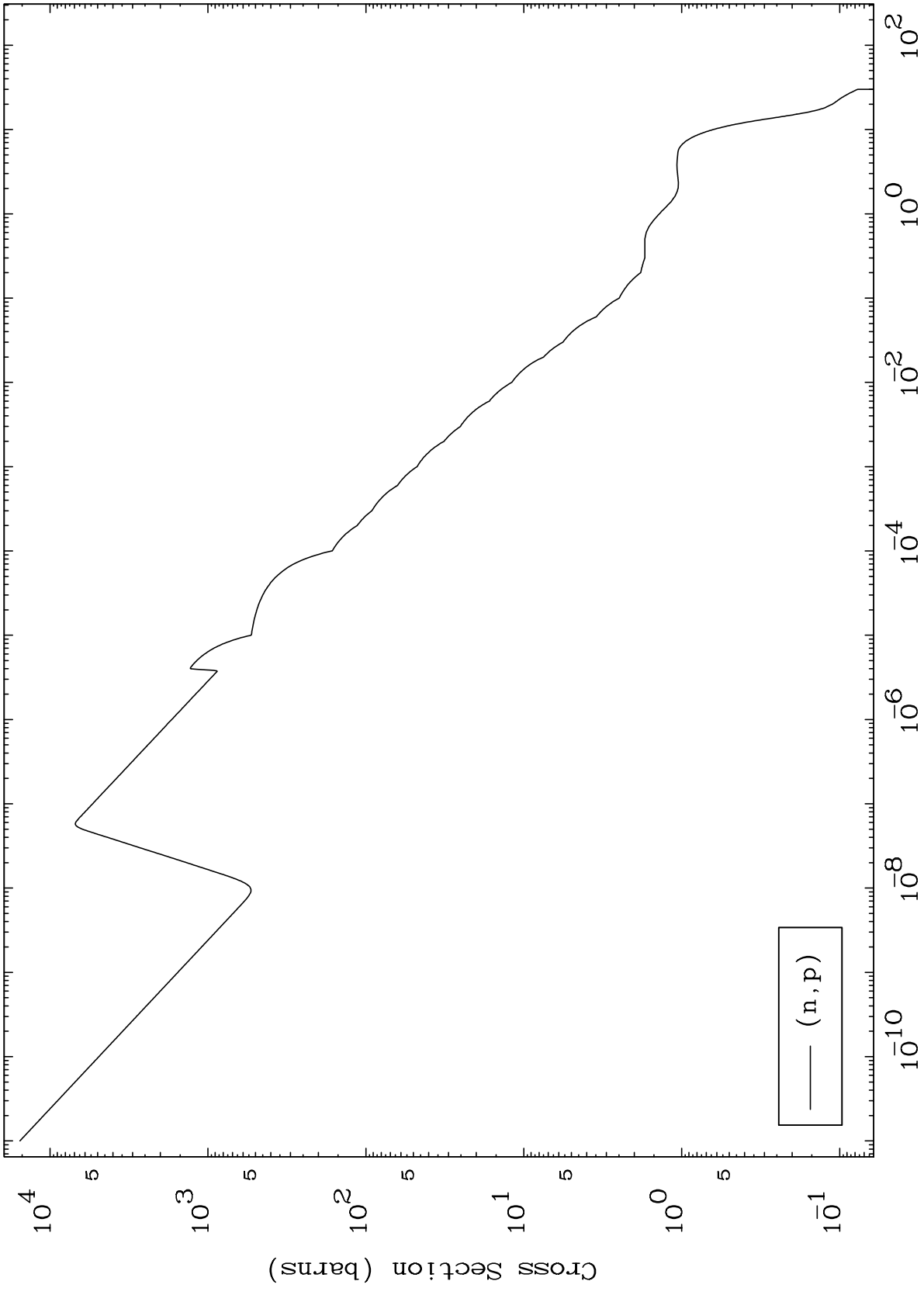
71-Lu-158



MAT 7074

(n,p) Levels
293 Kelvin Cross Sections

71-Lu-158

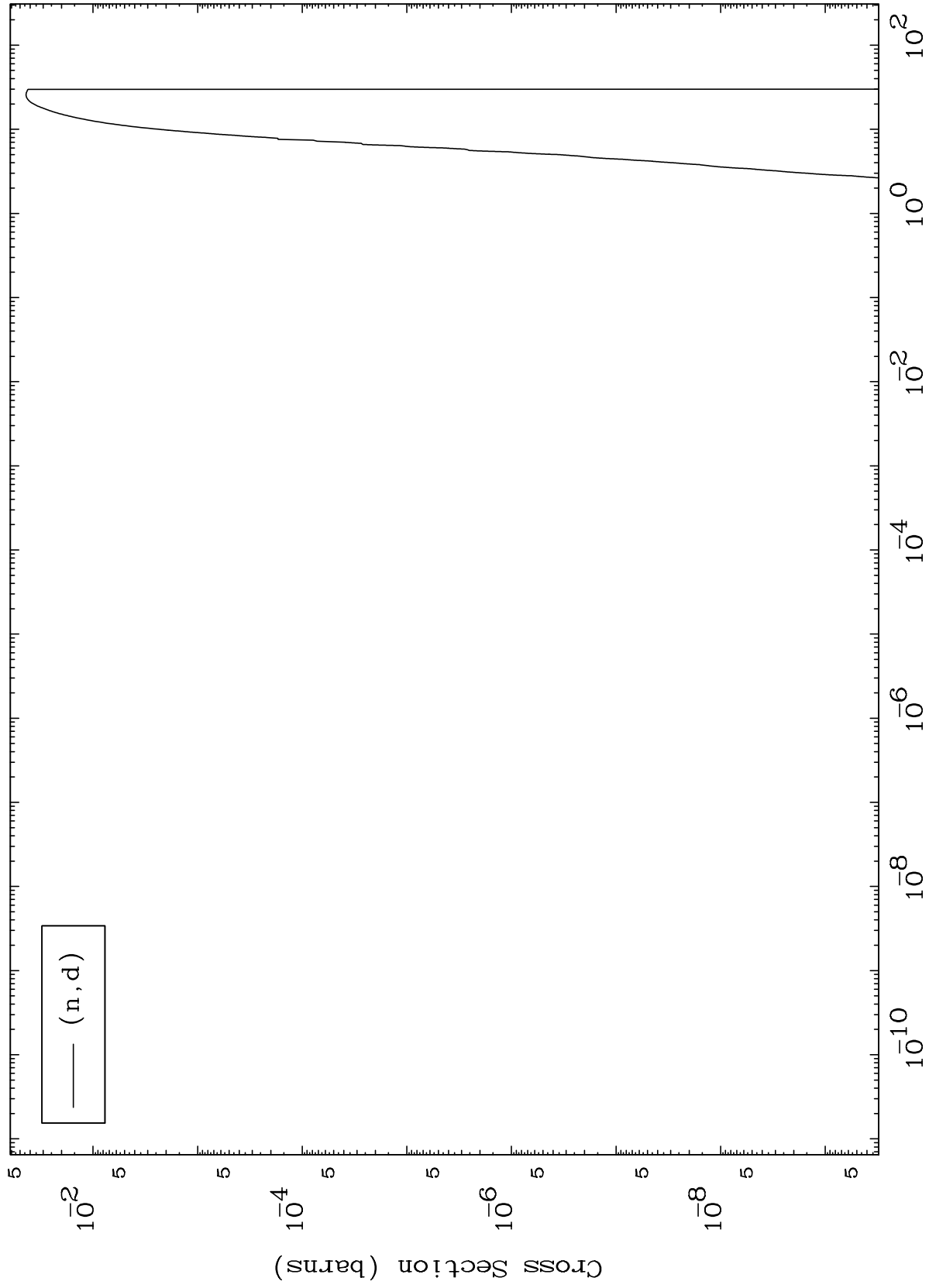


71-Lu-158

MAT 7074

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-158



10

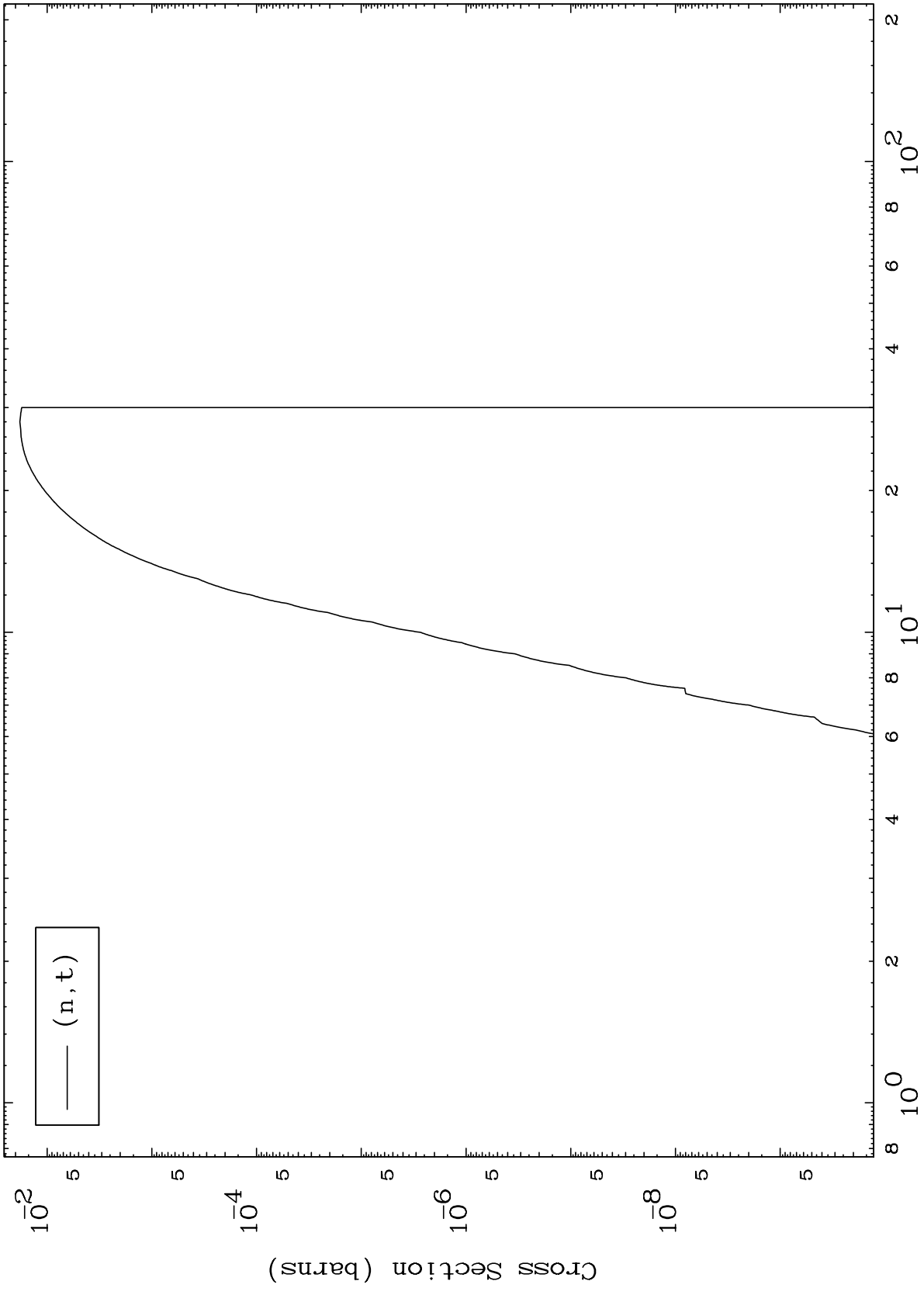
Incident Energy (MeV)

71-Lu-158

MAT 7074

(n,t) Levels
293 Kelvin Cross Sections

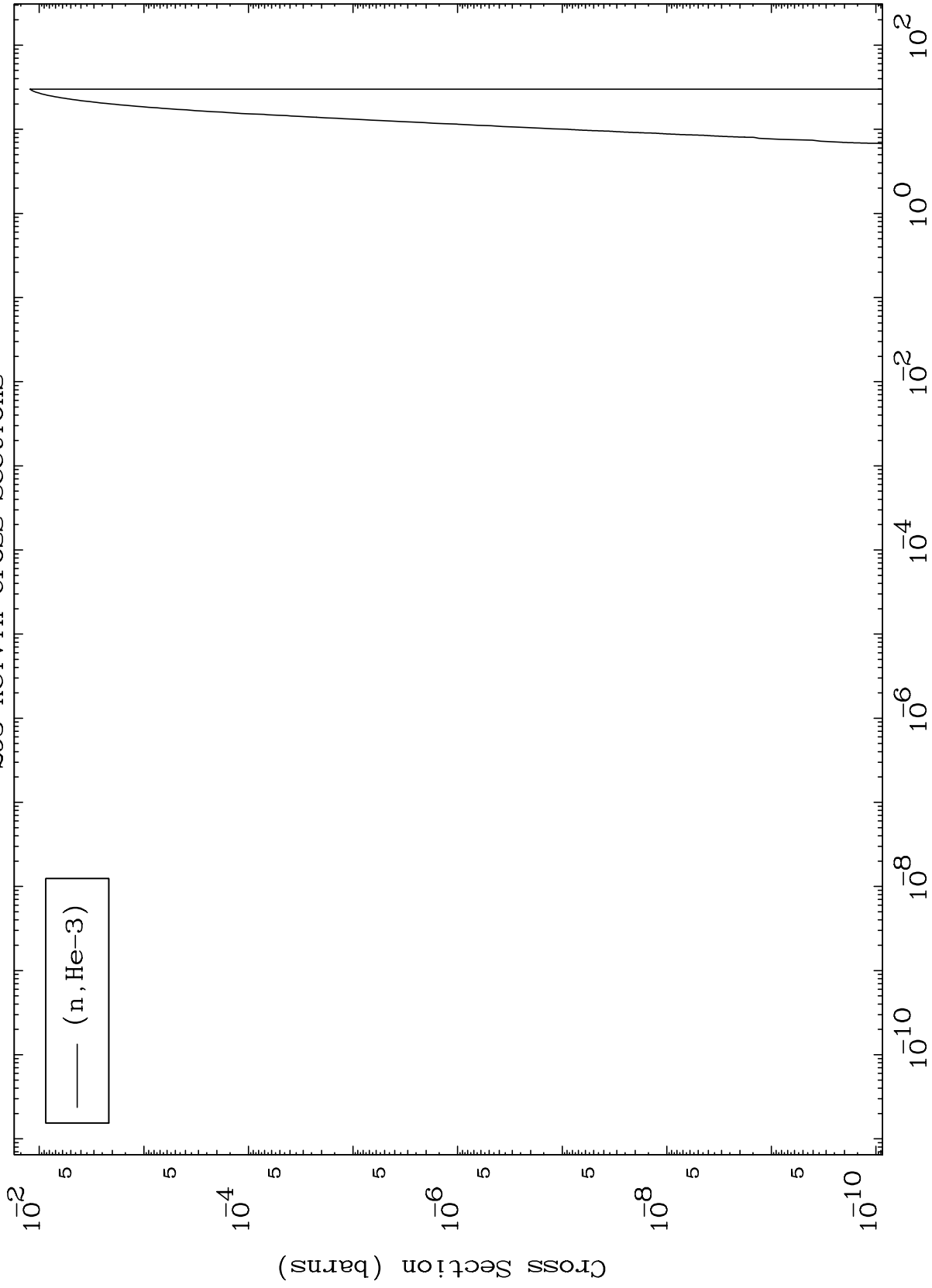
71-Lu-158



MAT 7074

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-158



12

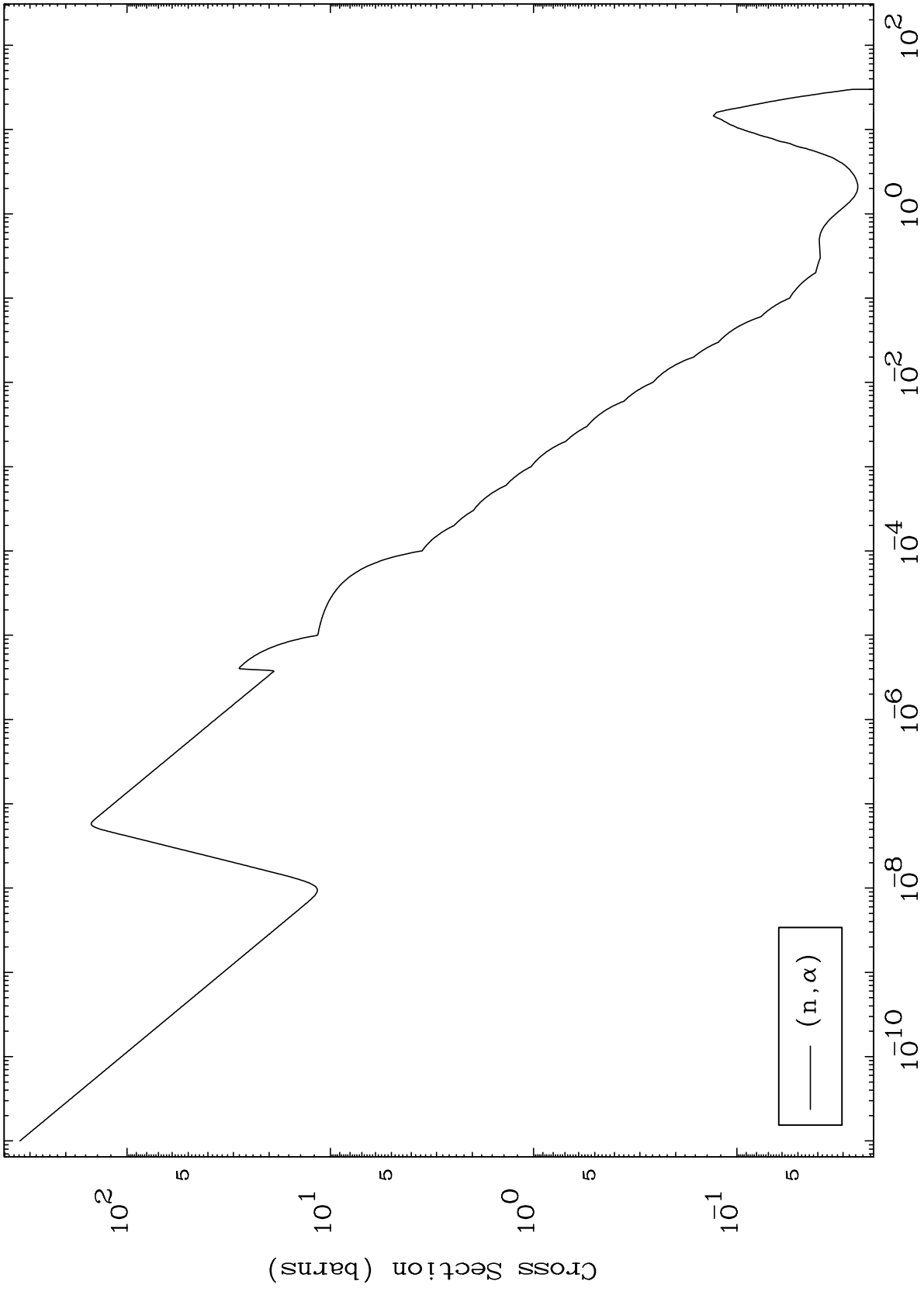
Incident Energy (MeV)

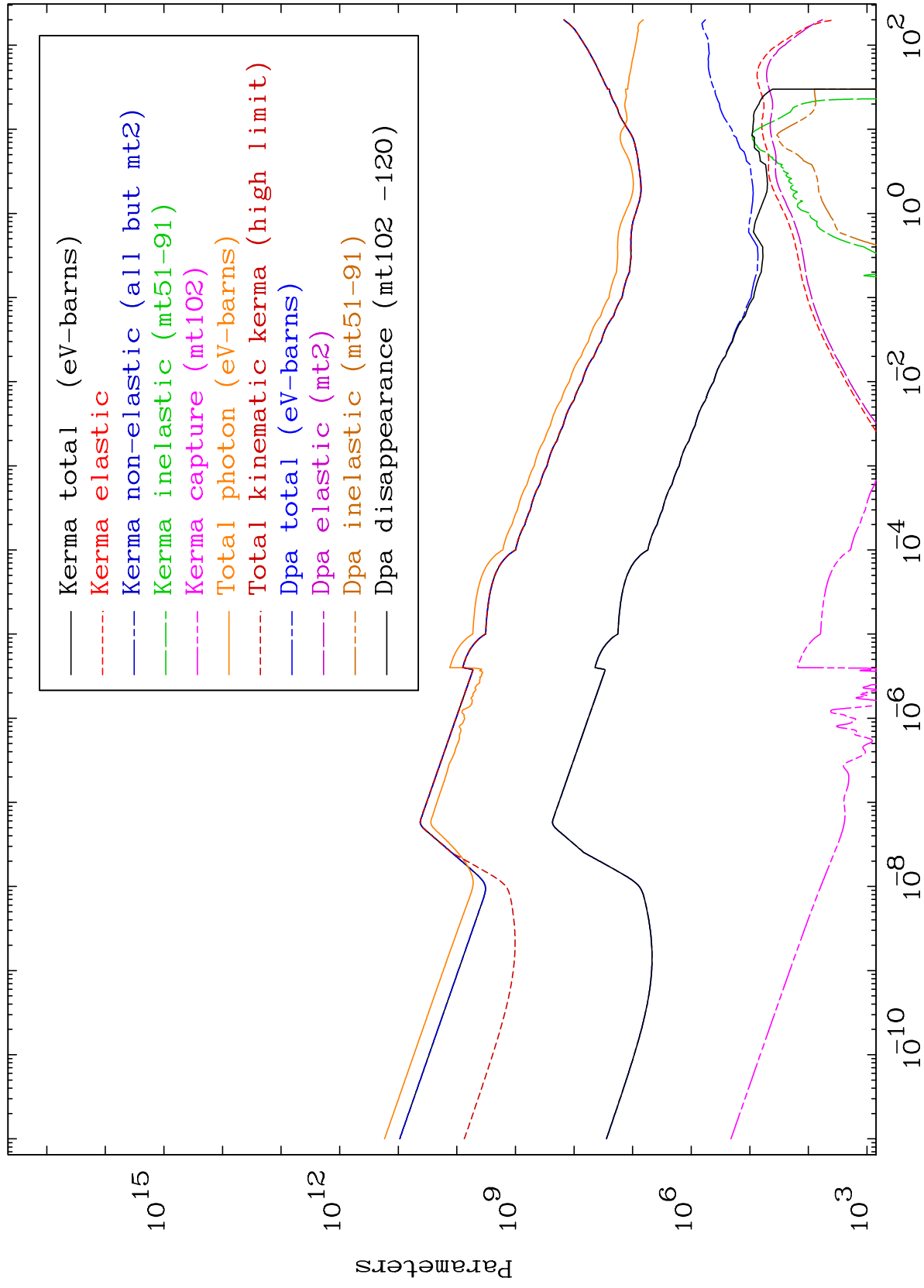
71-Lu-158

MAT 7074

(n,α) Levels
293 Kelvin Cross Sections

71-Lu-158

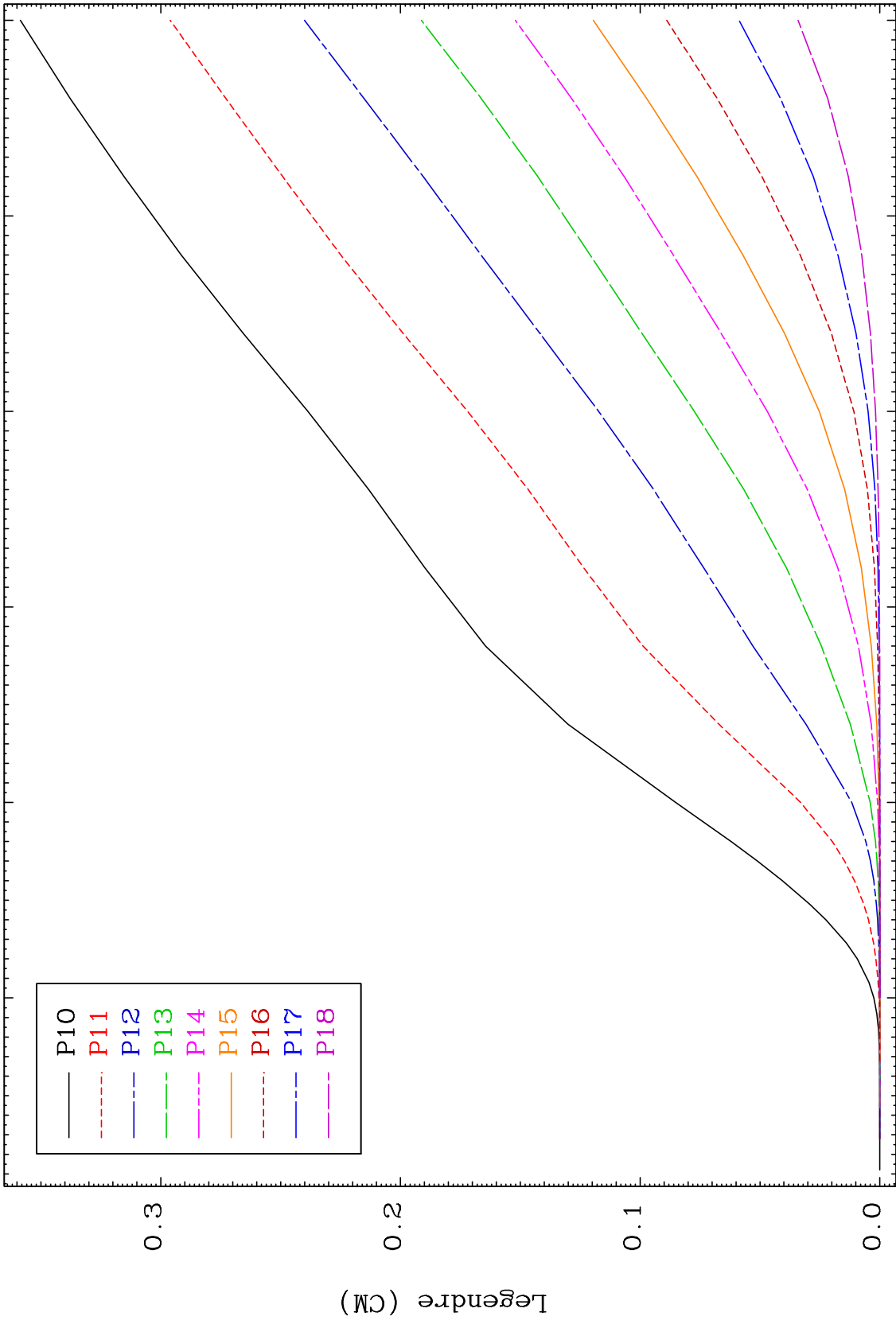




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Elastic Legendre Coefficients

71-Lu-158



16

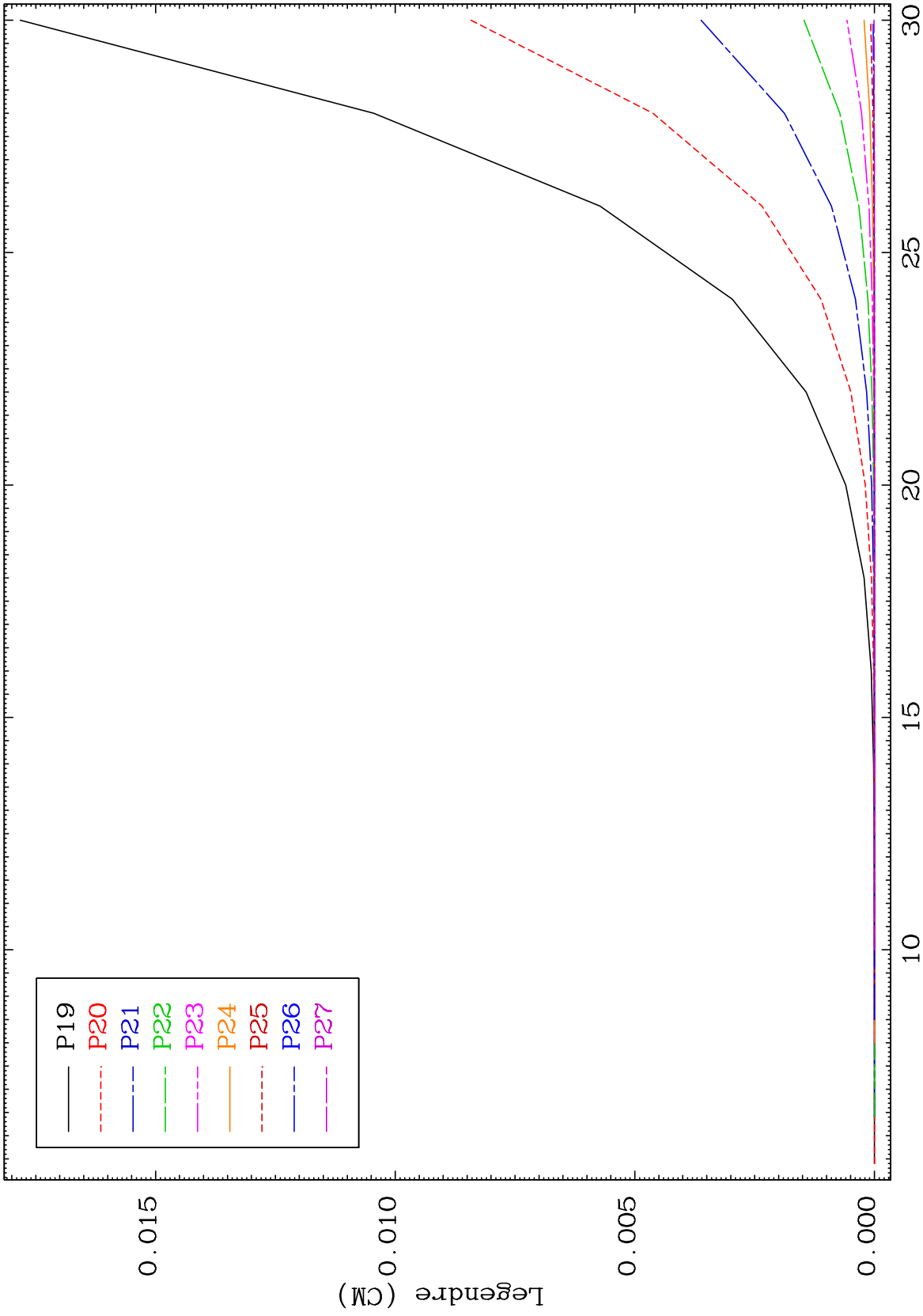
Incident Energy (MeV)

71-Lu-158

MAT 7074

Elastic
Legendre Coefficients

71-Lu-158



17

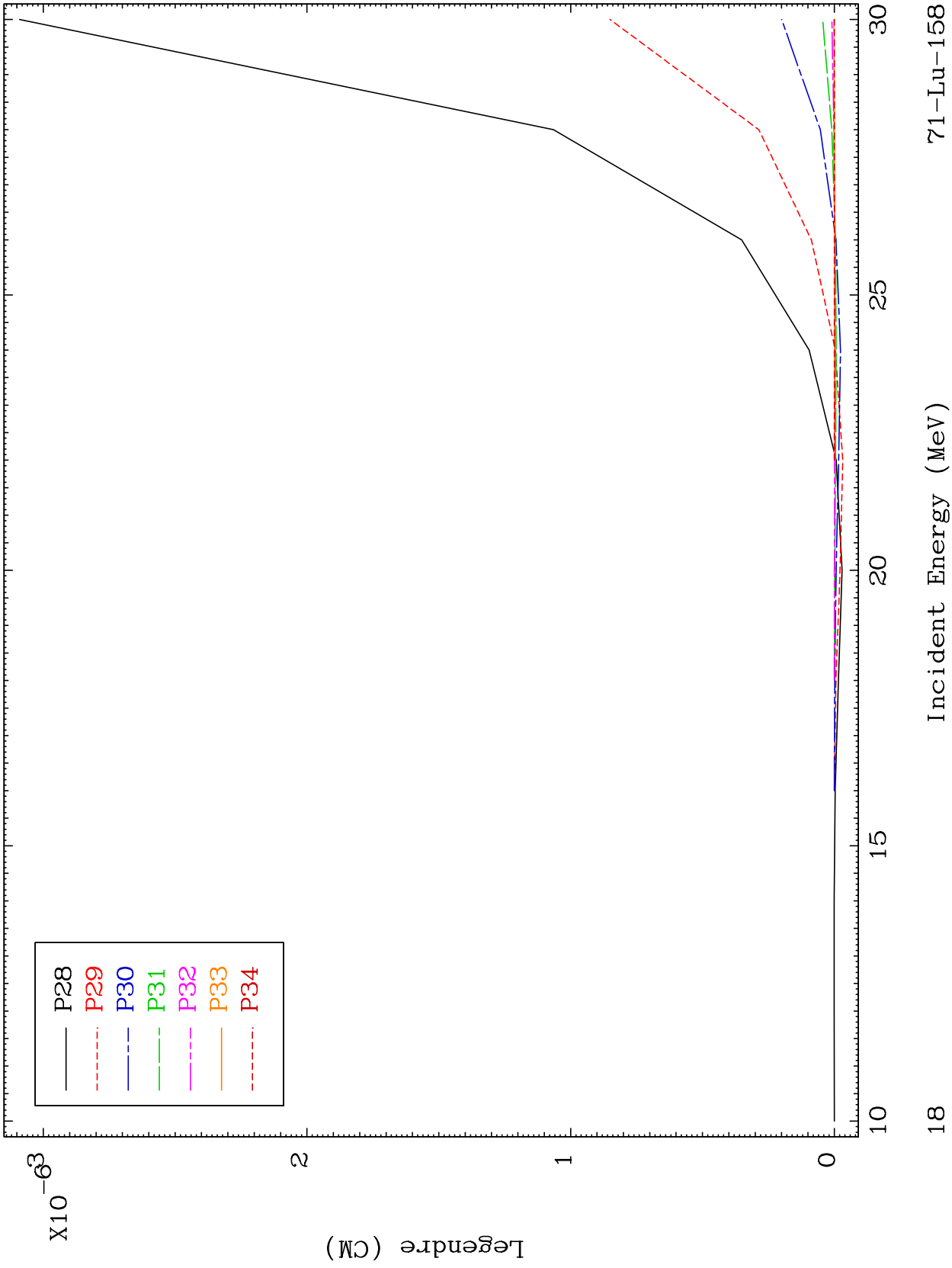
Incident Energy (MeV)

71-Lu-158

MAT 7074

Elastic Legendre Coefficients

71-Lu-158



18

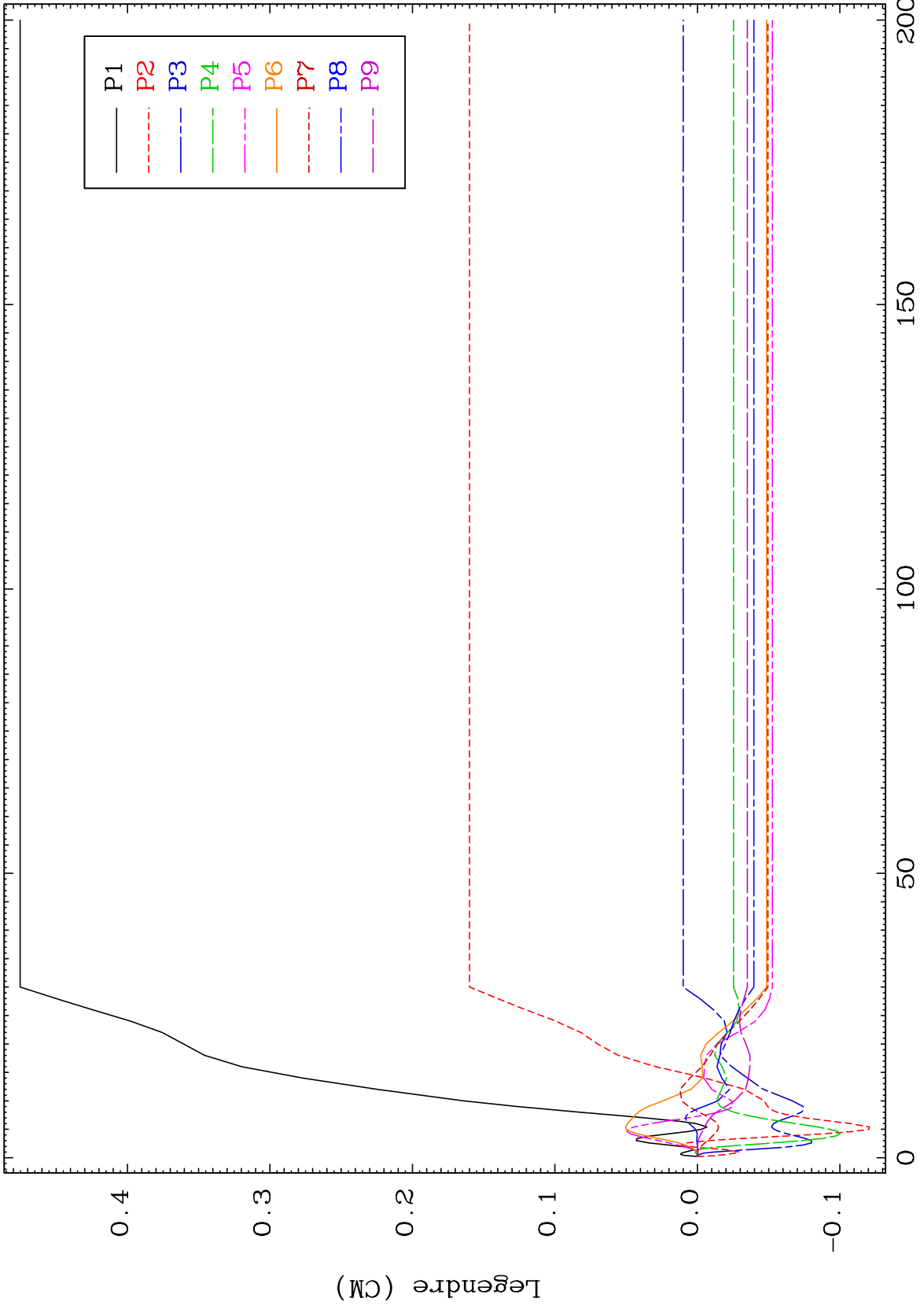
Incident Energy (MeV)

71-Lu-158

MAT 7074

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

71-Lu-158



19

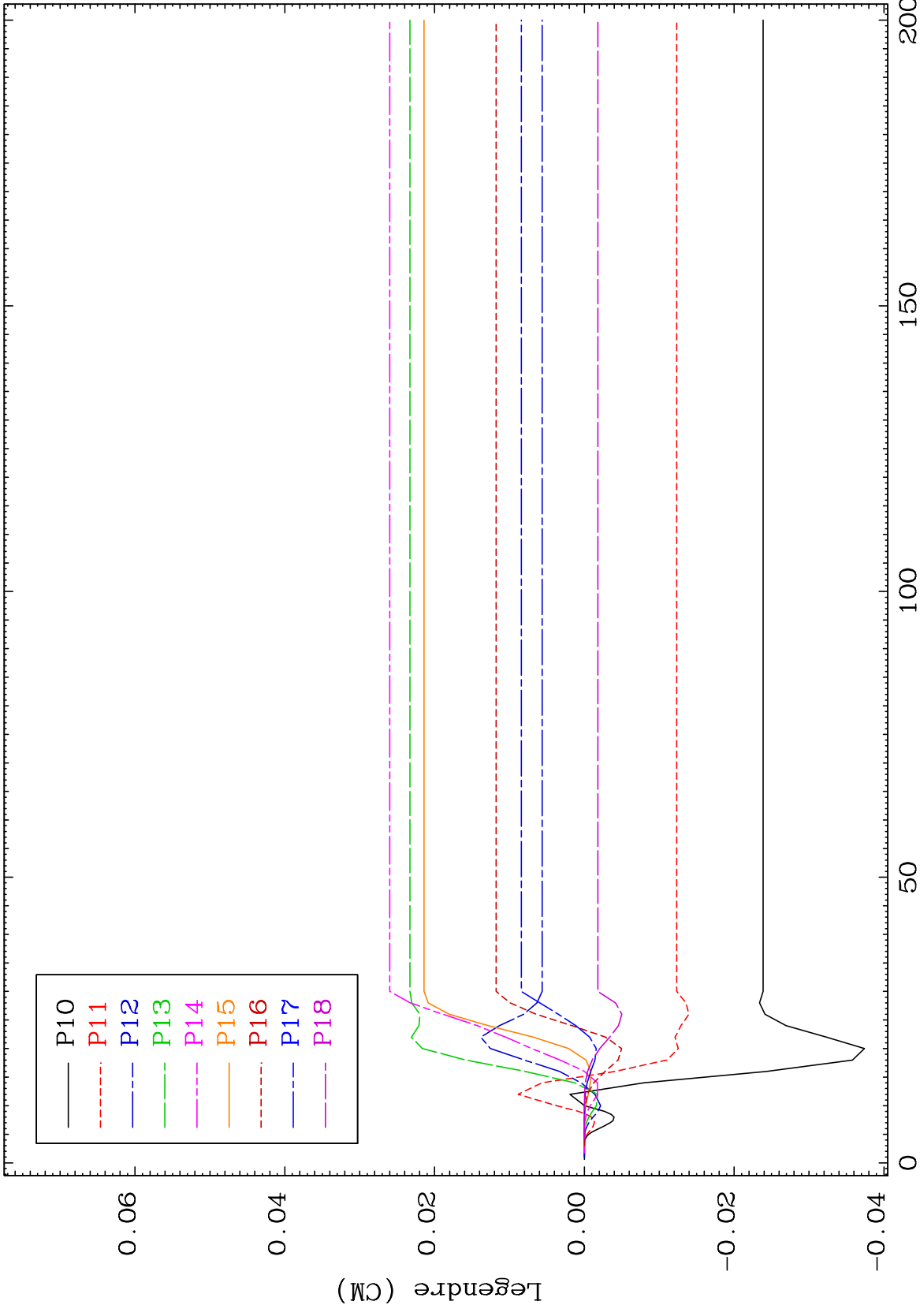
Incident Energy (MeV)

71-Lu-158

MAT 7074

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

71-Lu-158



71-Lu-158

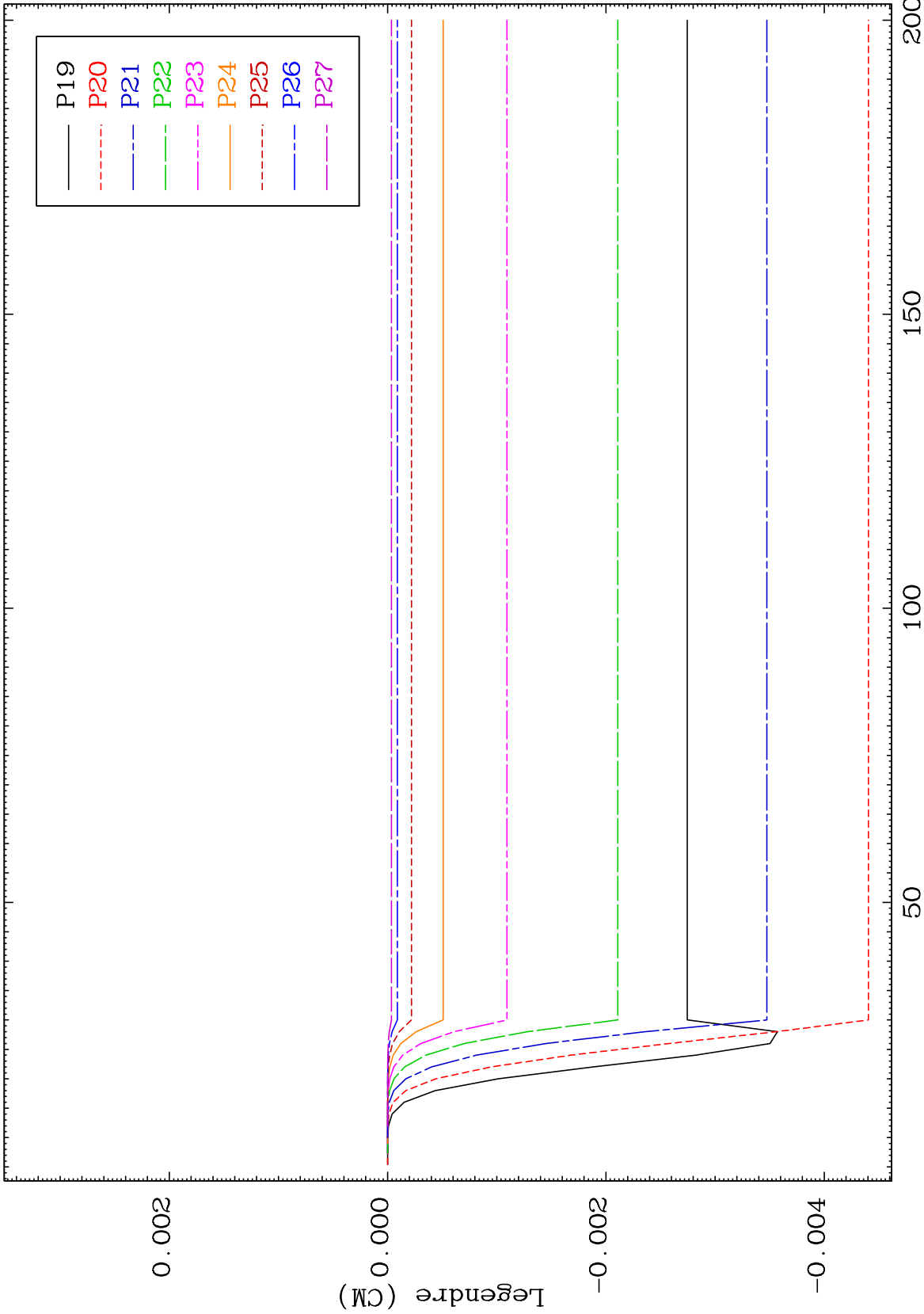
Incident Energy (MeV)

20

MAT 7074

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

71-Lu-158



21

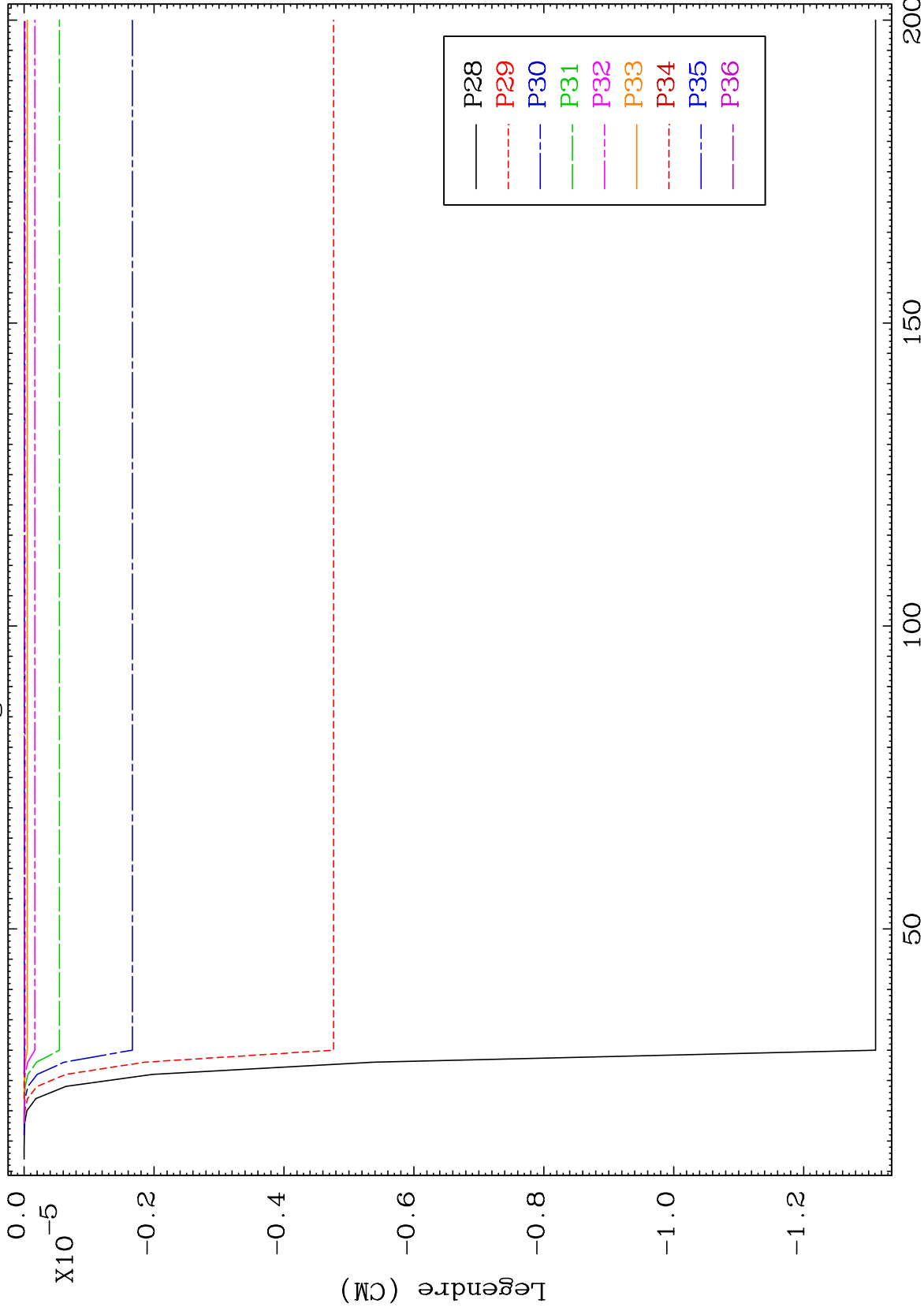
Incident Energy (MeV)

71-Lu-158

MAT 7074

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

71-Lu-158



71-Lu-158

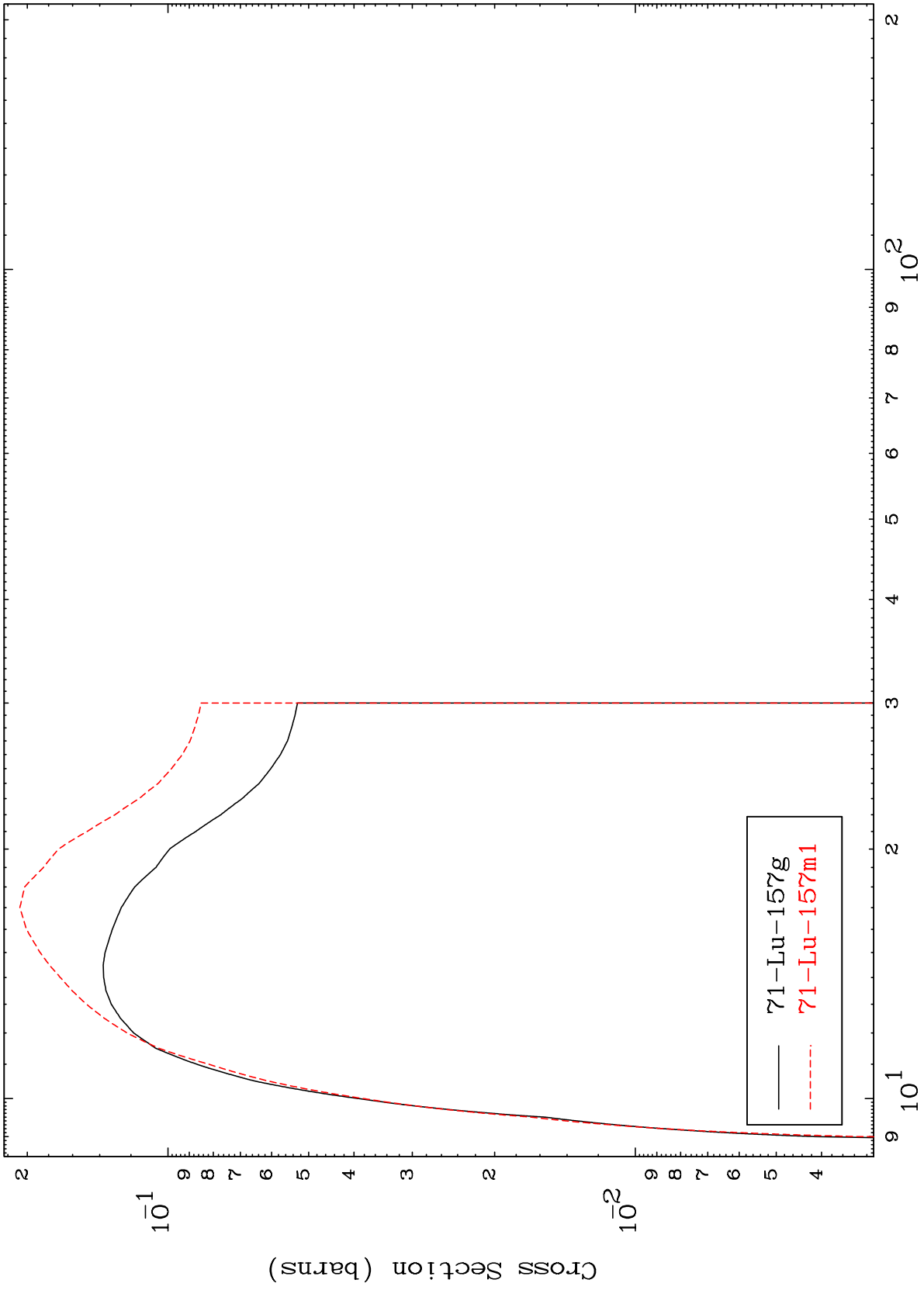
Incident Energy (MeV)

22

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71-Lu-158

Radionuclide Production Cross Section
(n,2n)



23

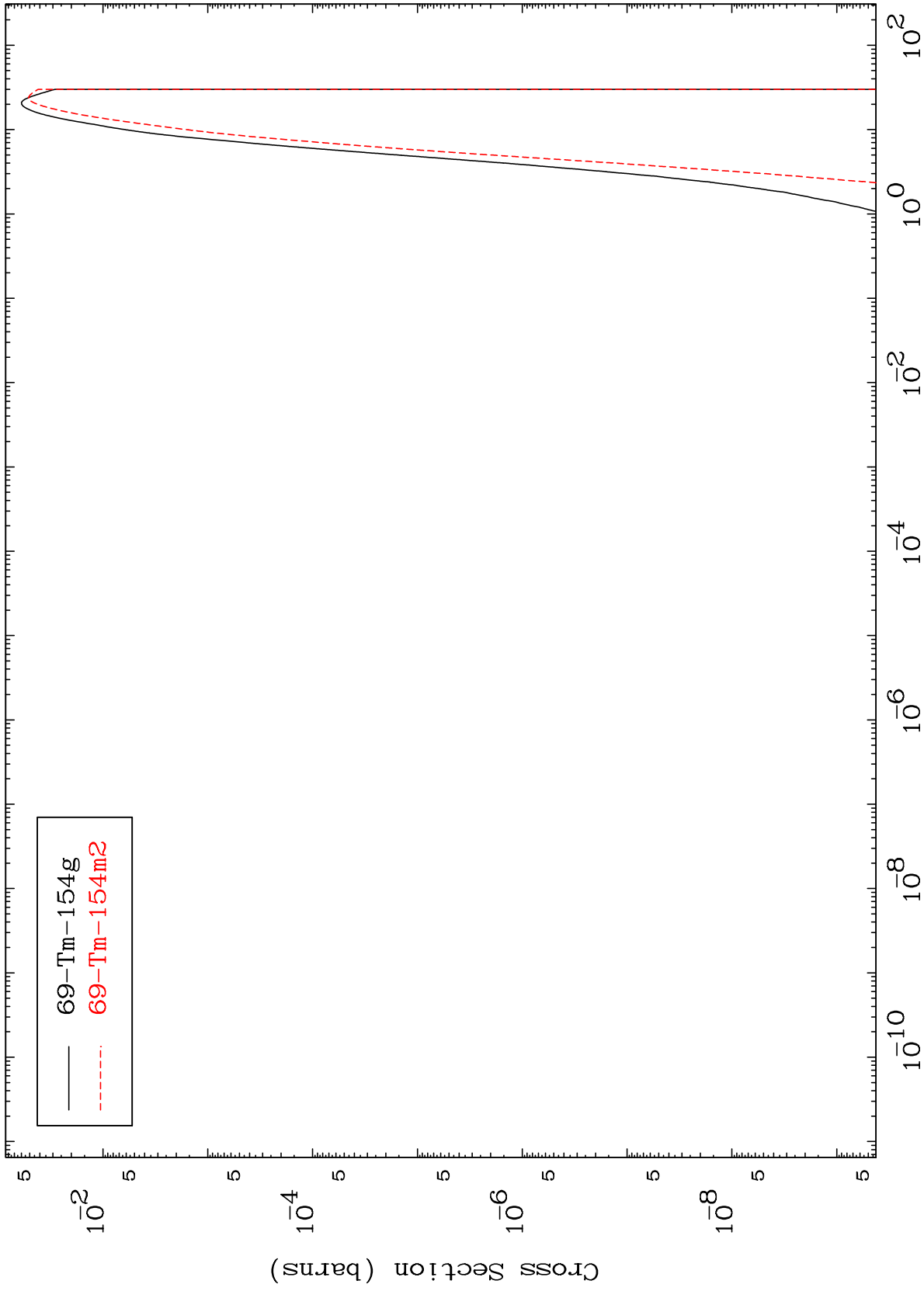
71-Lu-158

MAT 7074

(n,n') α

71-Lu-158

Radionuclide Production Cross Section



24

Incident Energy (MeV)

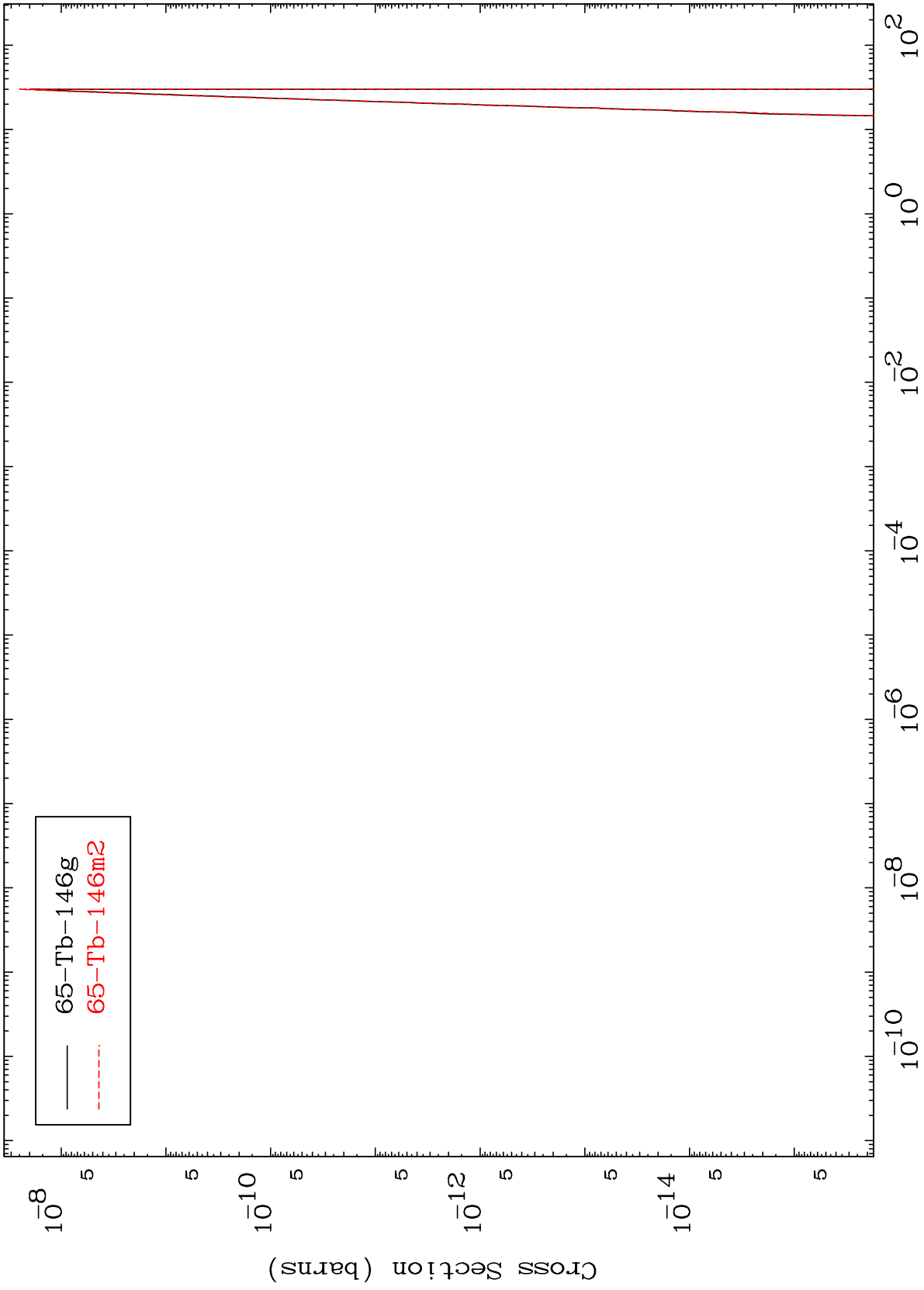
71-Lu-158

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(n,n') 3 α

71-Lu-158

Radionuclide Production Cross Section



25

Incident Energy (MeV)

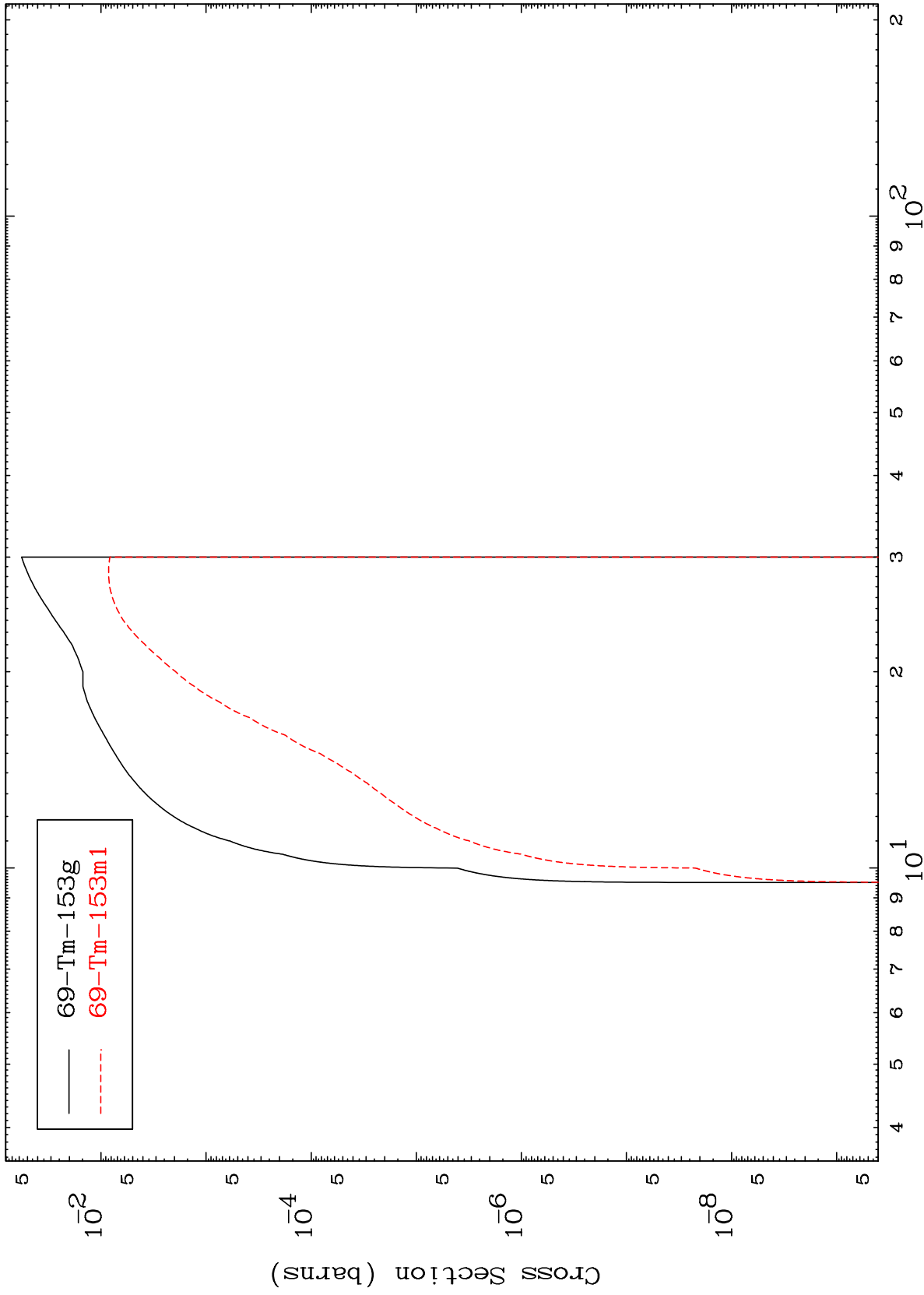
71-Lu-158

MAT 7074

$(n, 2n) \alpha$

$^{71}\text{Lu-158}$

Radionuclide Production Cross Section



26

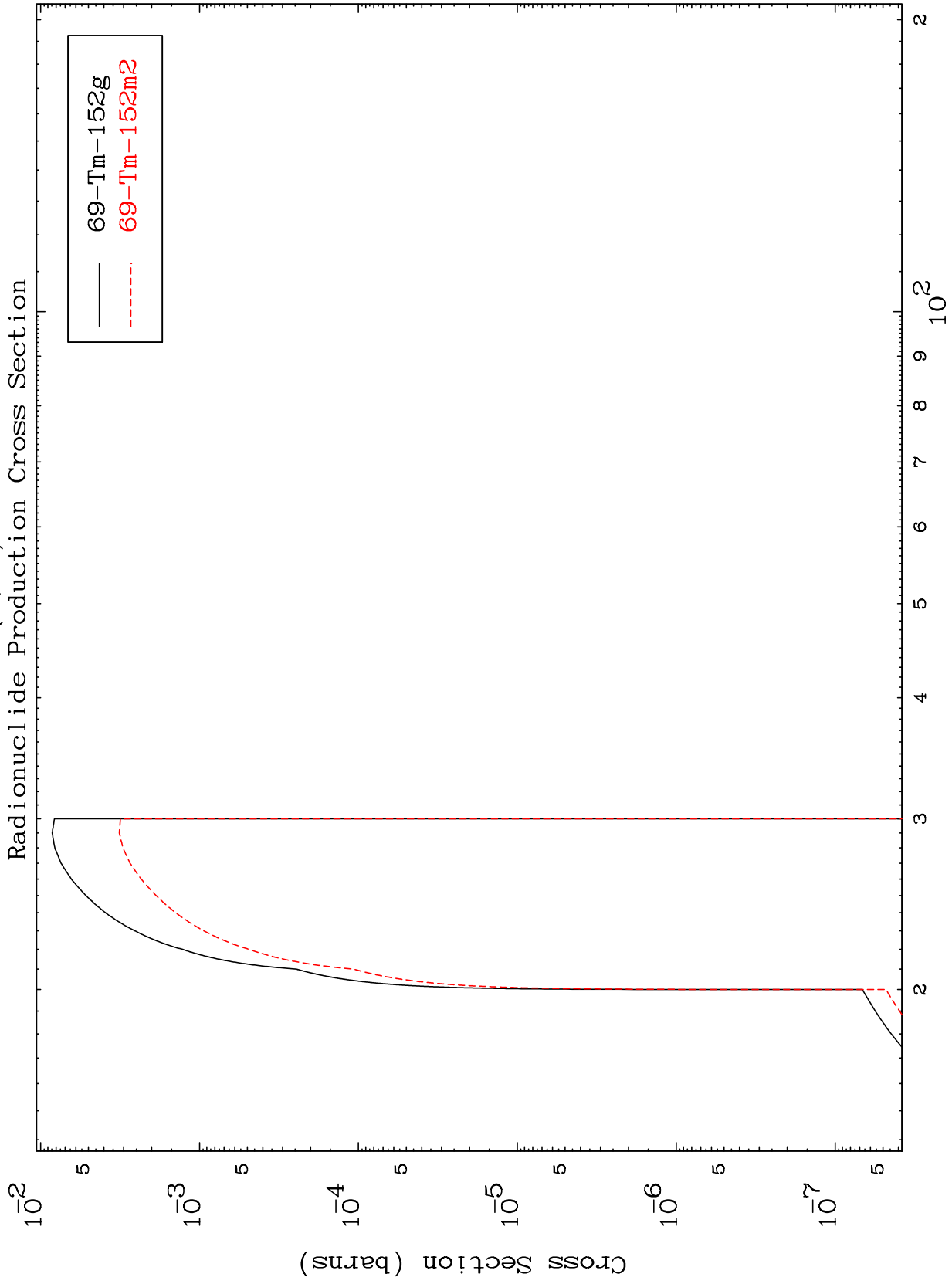
Incident Energy (MeV)

$^{71}\text{Lu-158}$

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(n,3n) α

71-Lu-158



27

Incident Energy (MeV)

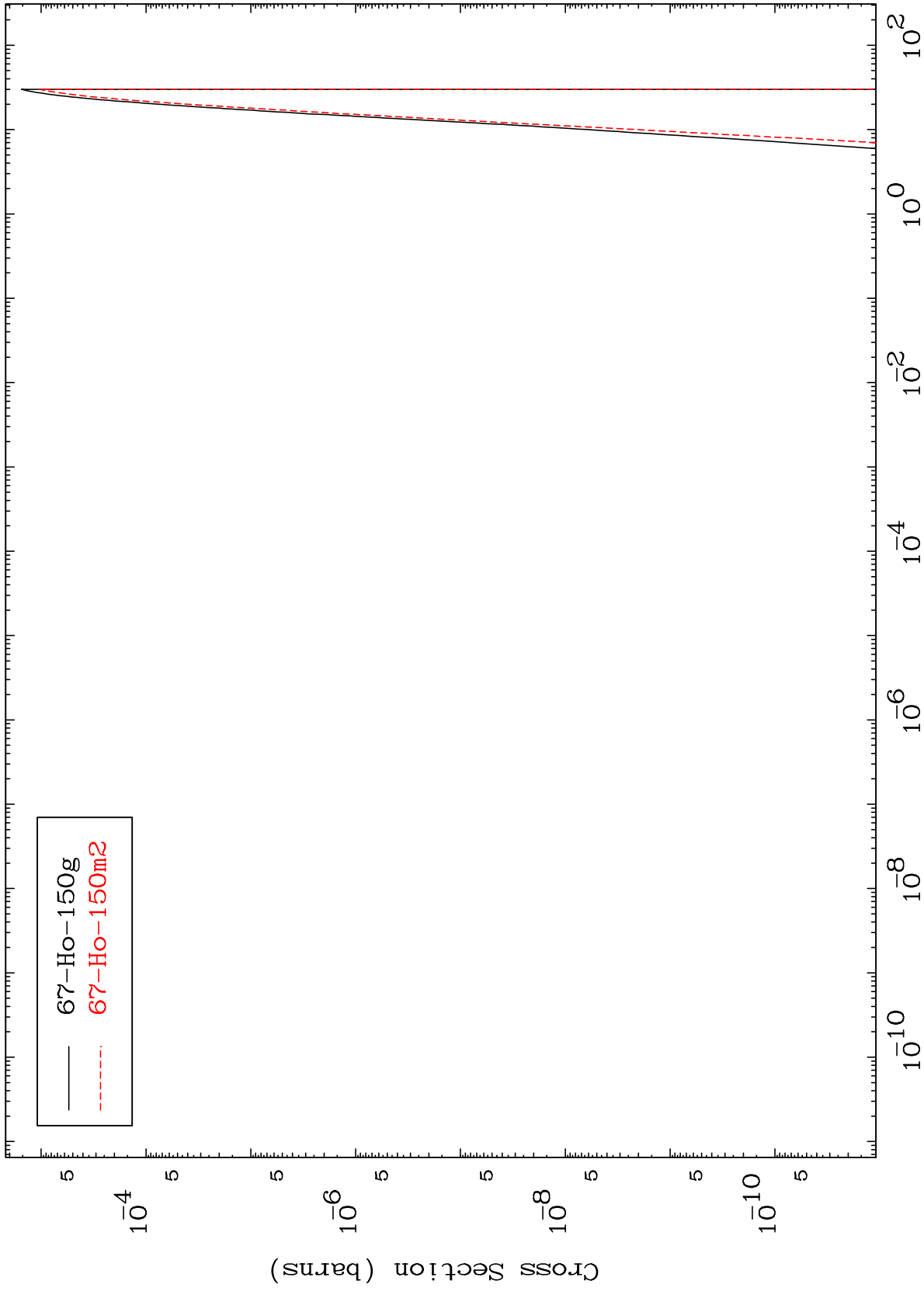
71-Lu-158

MAT 7074

(n,n') 2 α

⁷¹Lu-158

Radionuclide Production Cross Section

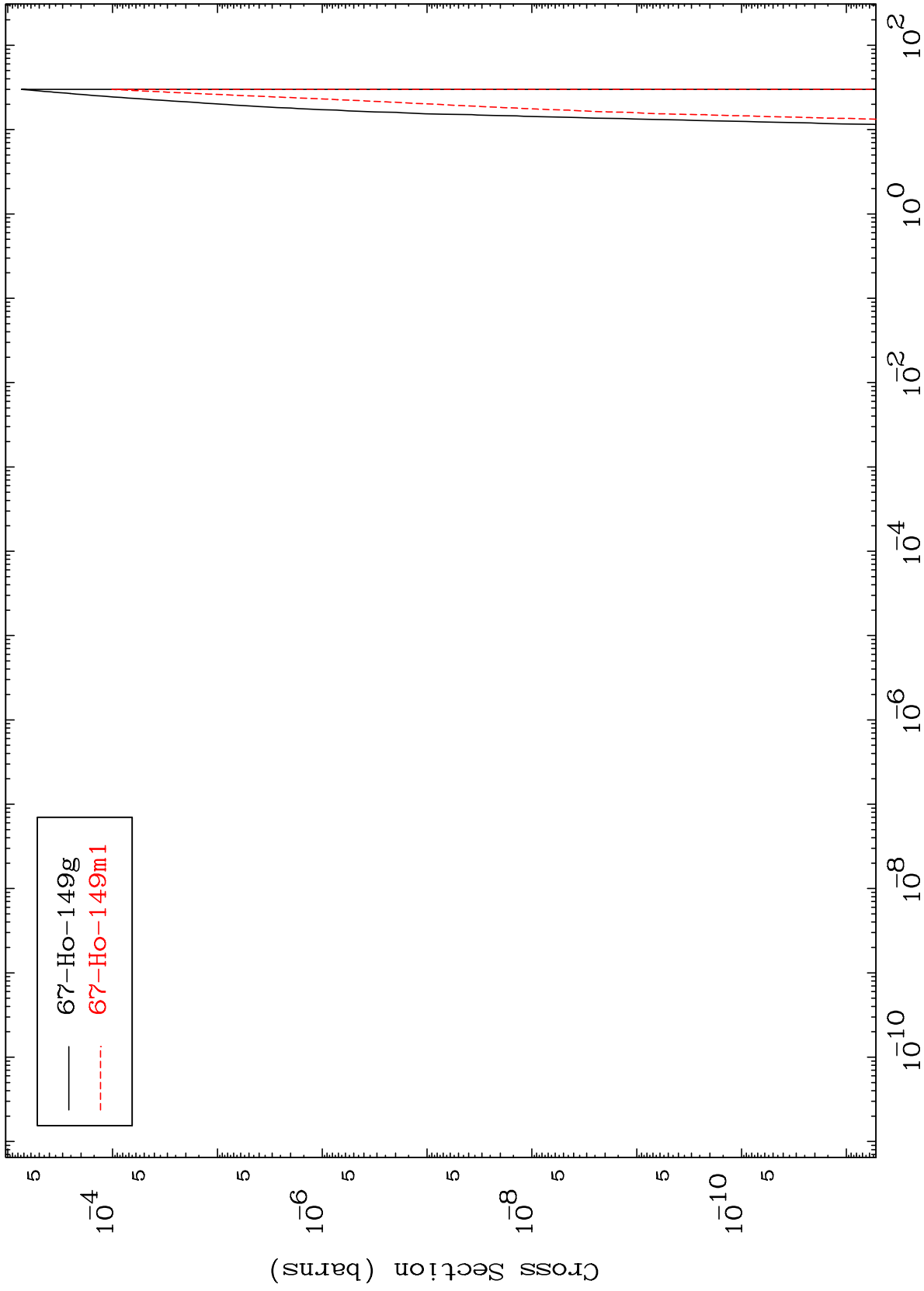


MAT 7074

(n,2n) 2α

71-Lu-158

Radionuclide Production Cross Section



29

Incident Energy (MeV)

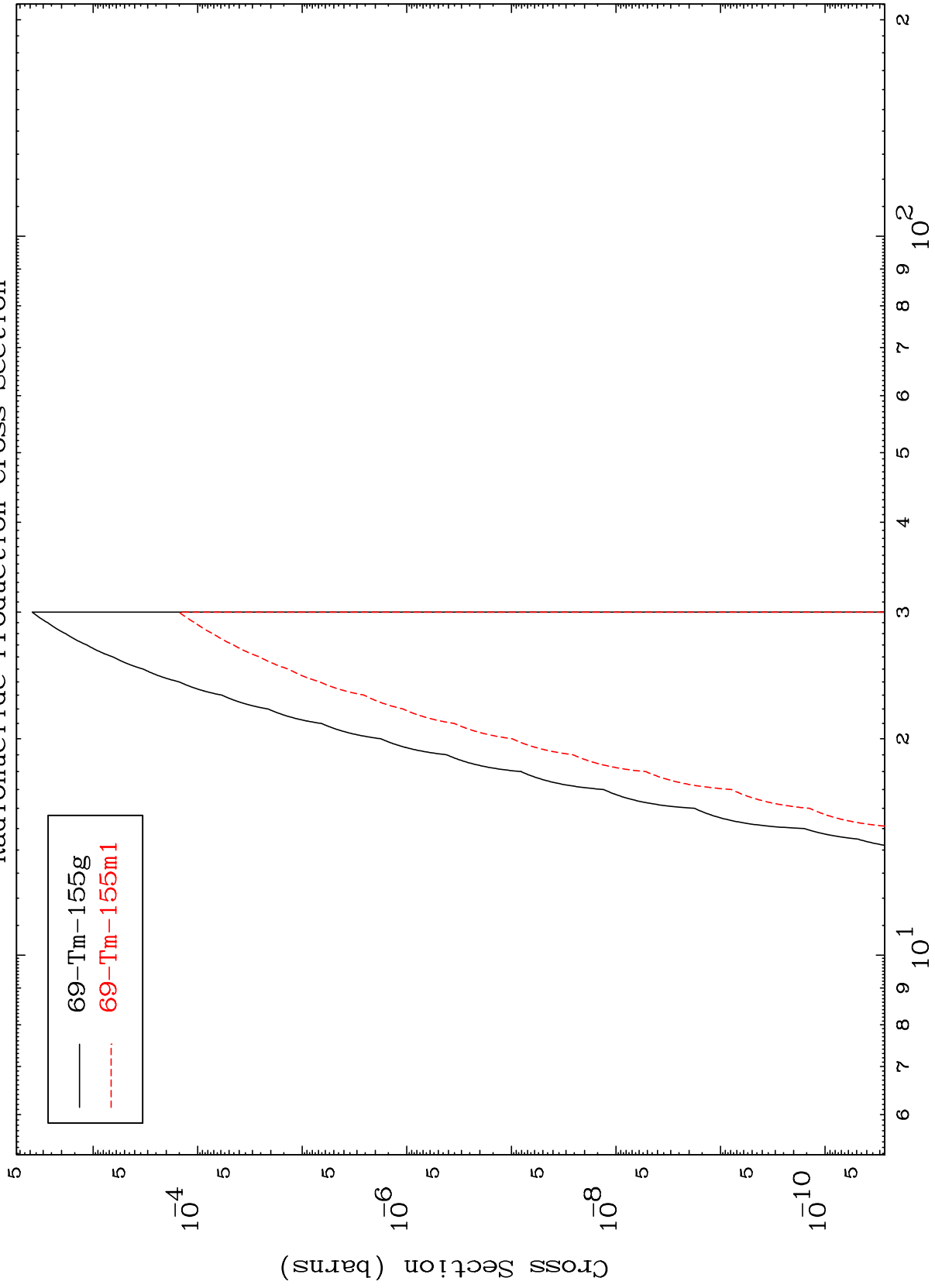
71-Lu-158

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(n, n') He-3

71-Lu-158

Radionuclide Production Cross Section



30

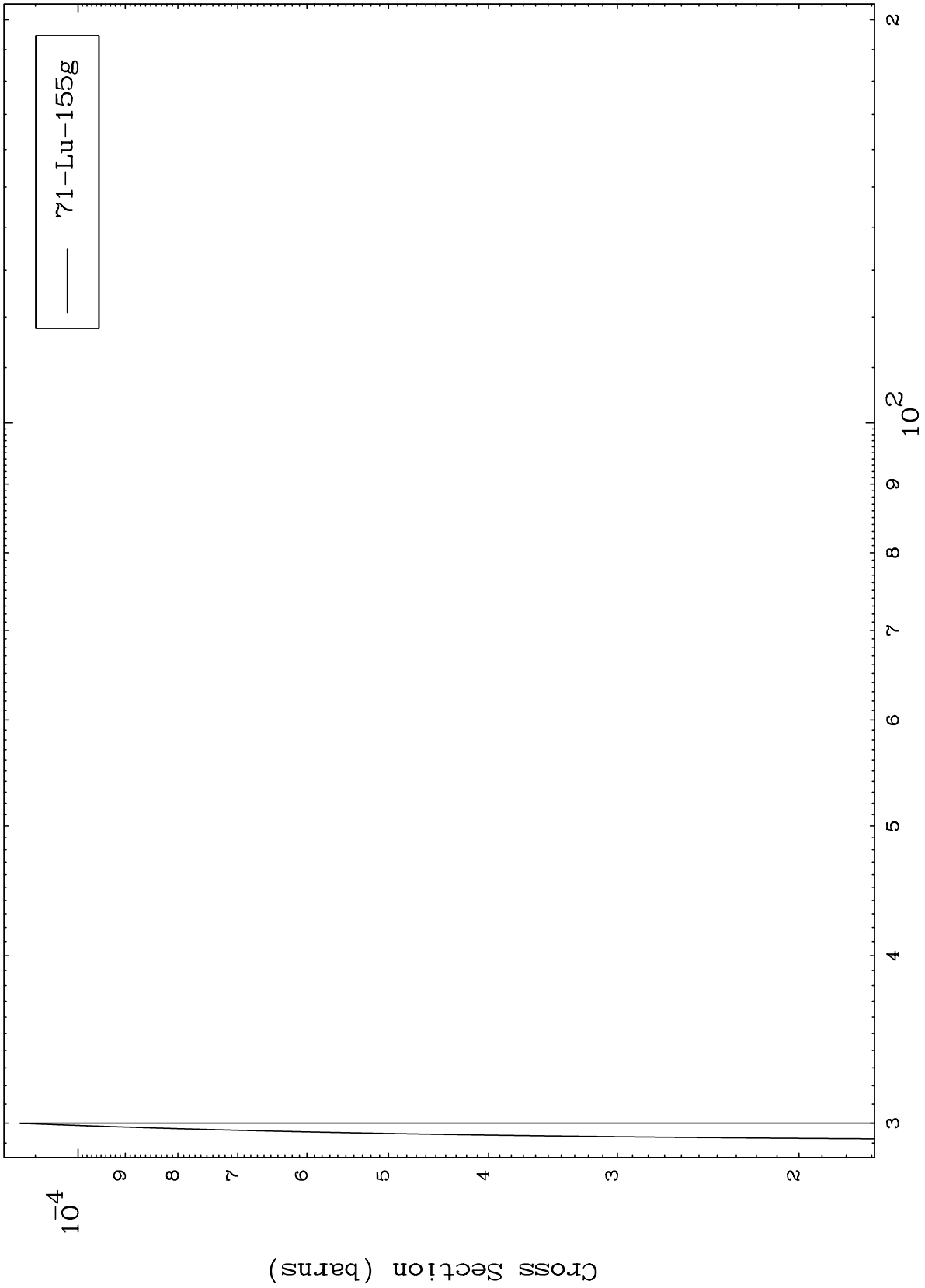
Incident Energy (MeV)

71-Lu-158

MAT 7074

⁷¹Lu-158

(n,4n)
Radionuclide Production Cross Section

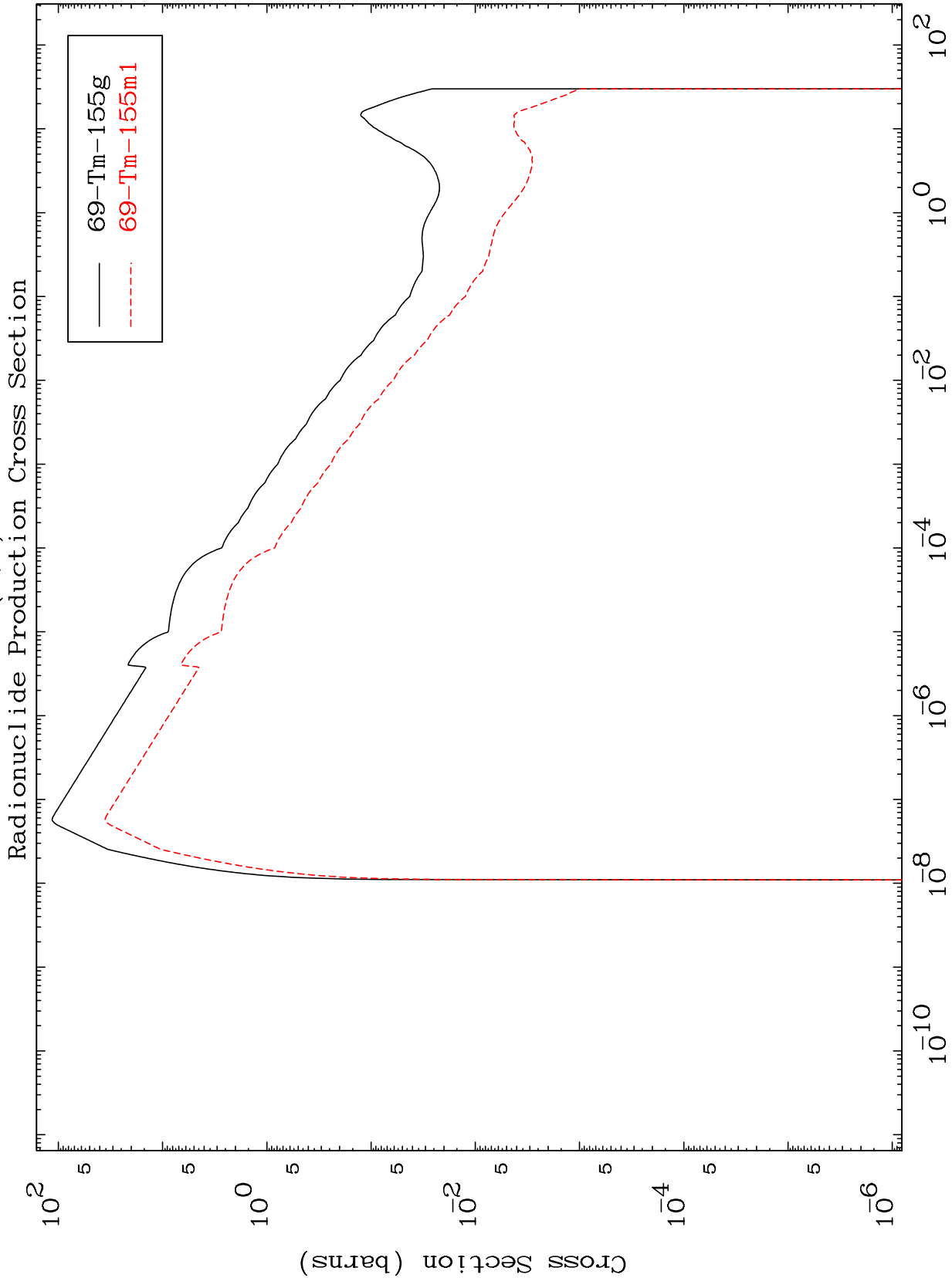


31

⁷¹Lu-158

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71-Lu-158



32

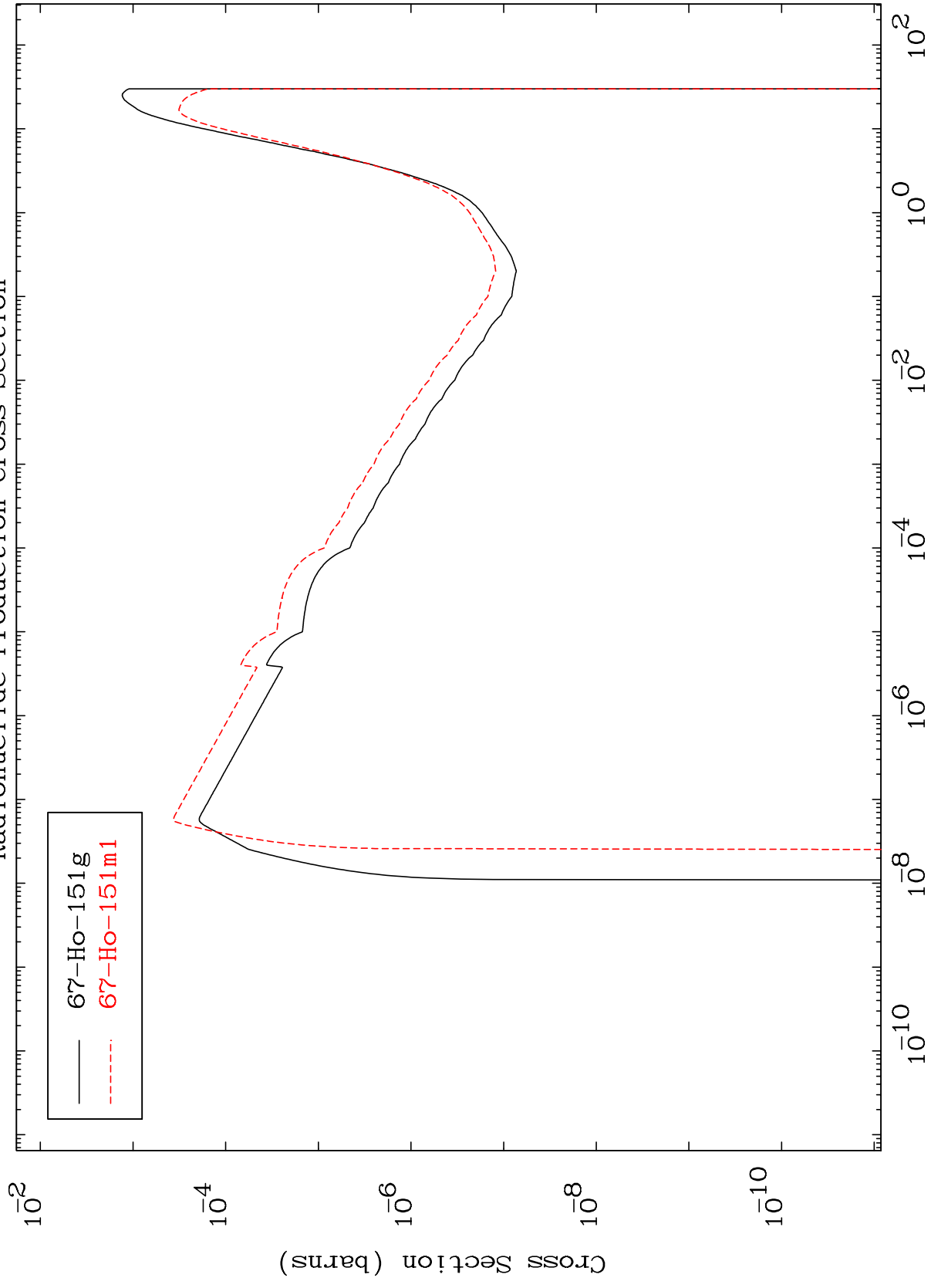
71-Lu-158

MAT 7074

(n,2α)

71-Lu-158

Radionuclide Production Cross Section



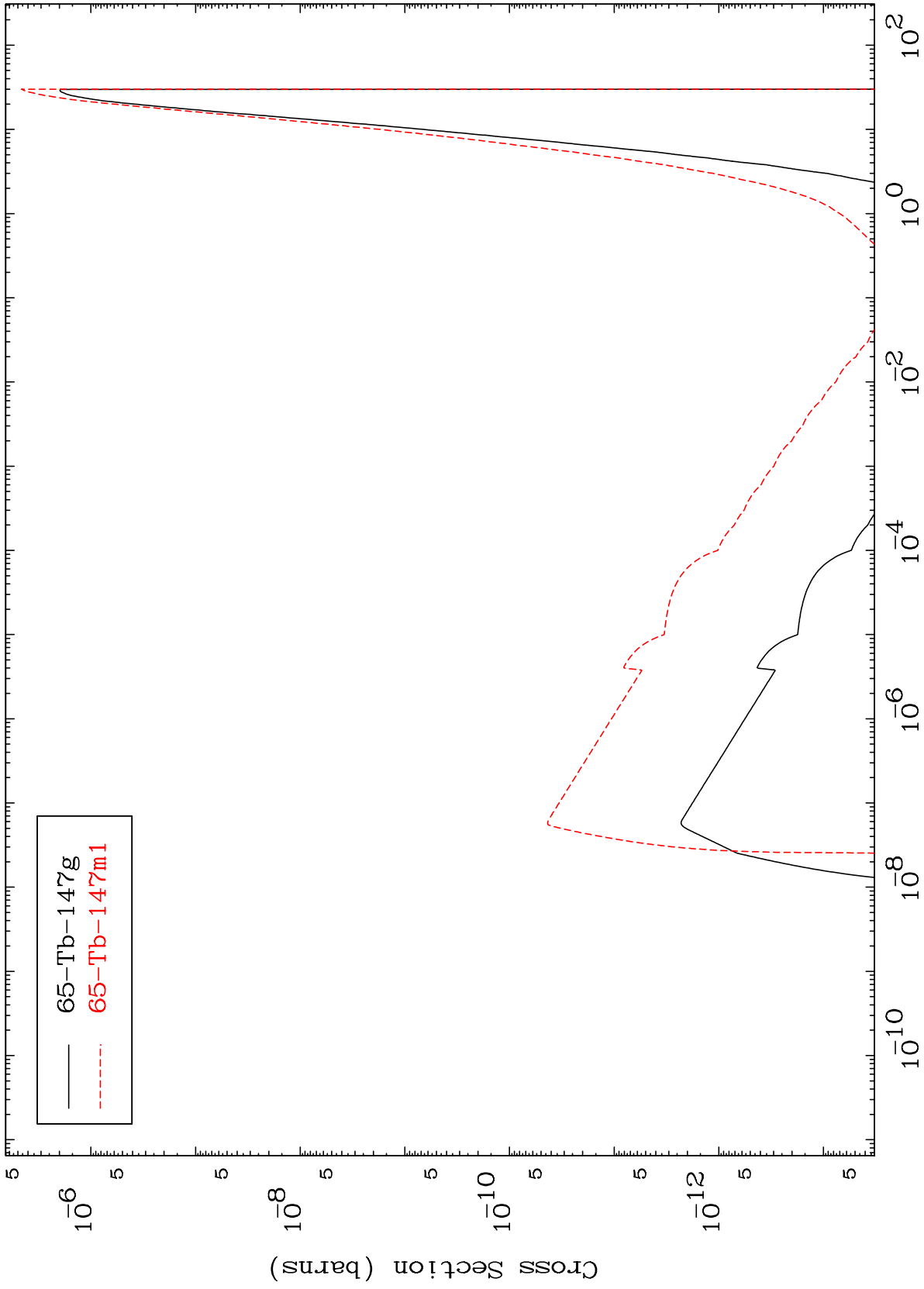
67-Ho-151g
67-Ho-151m1

MAT 7074

(n,3α)

⁷¹Lu-158

Radionuclide Production Cross Section

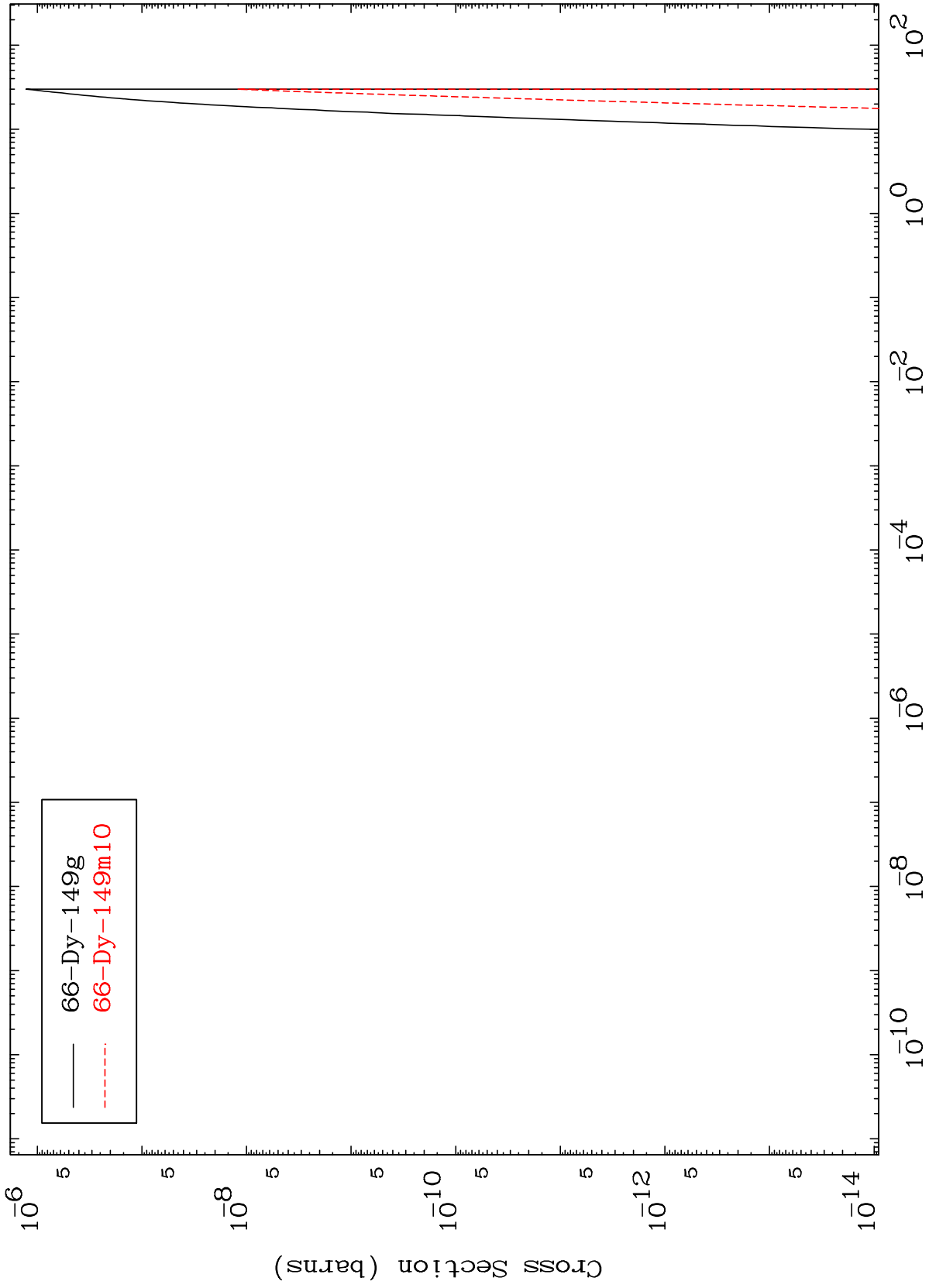


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(n,d) 2α

$^{71}\text{Lu-158}$

Radionuclide Production Cross Section



35

Incident Energy (MeV)

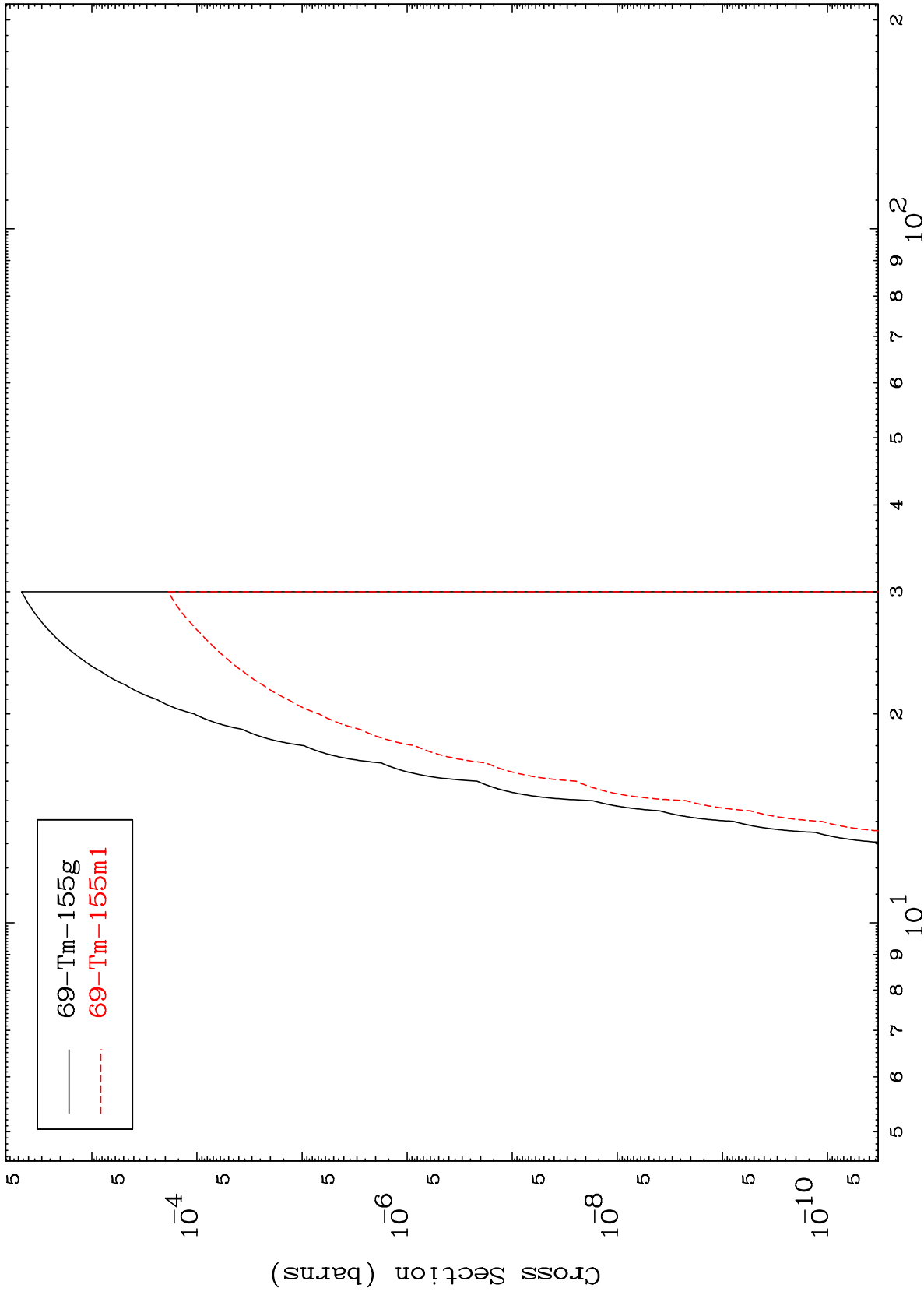
$^{71}\text{Lu-158}$

MAT 7074

(n,p) t

71-Lu-158

Radionuclide Production Cross Section



36

Incident Energy (MeV)

71-Lu-158