

Program EVALPLOT
(Version 2018-1)

by

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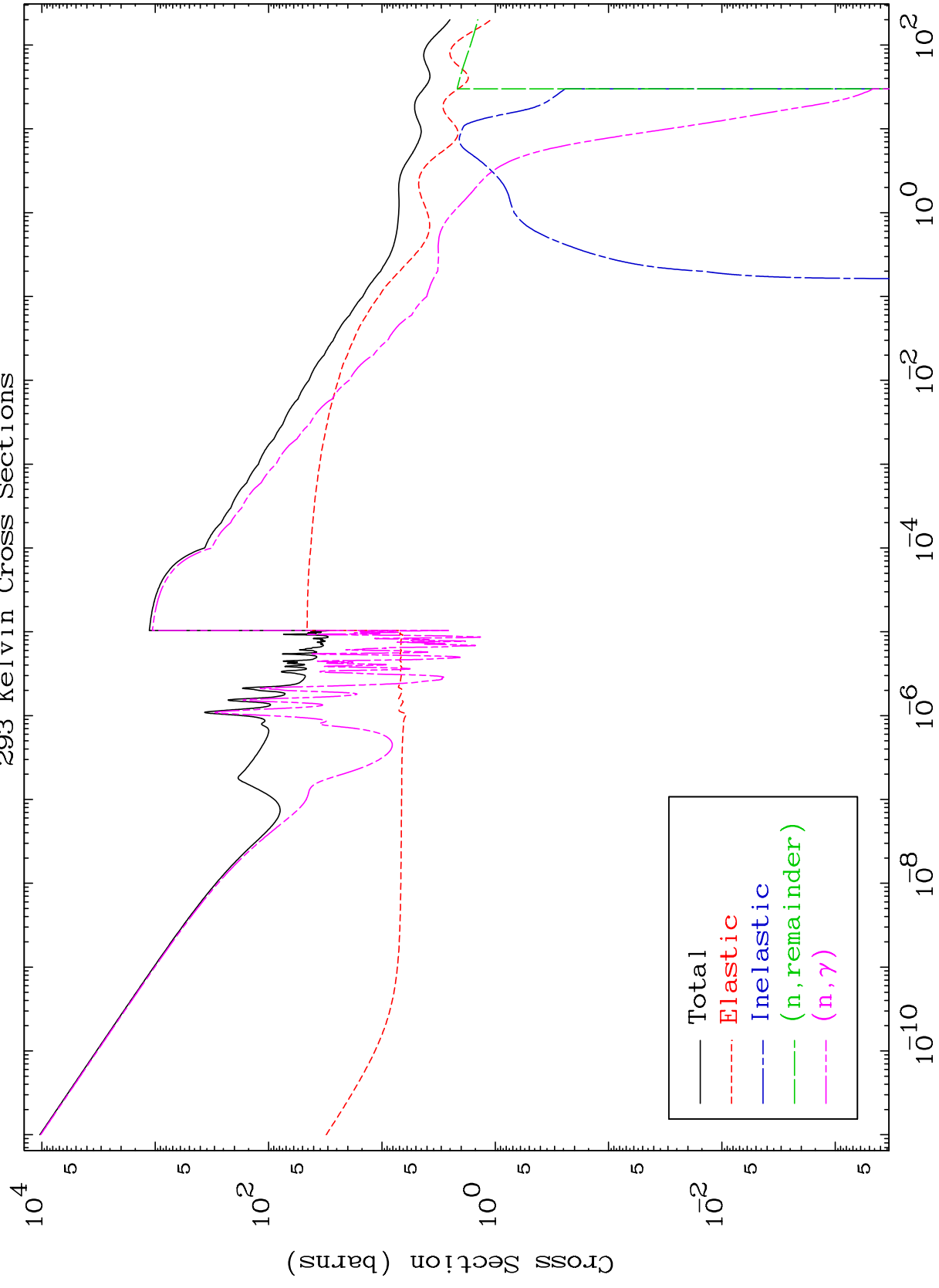
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7083

Major
293 Kelvin Cross Sections

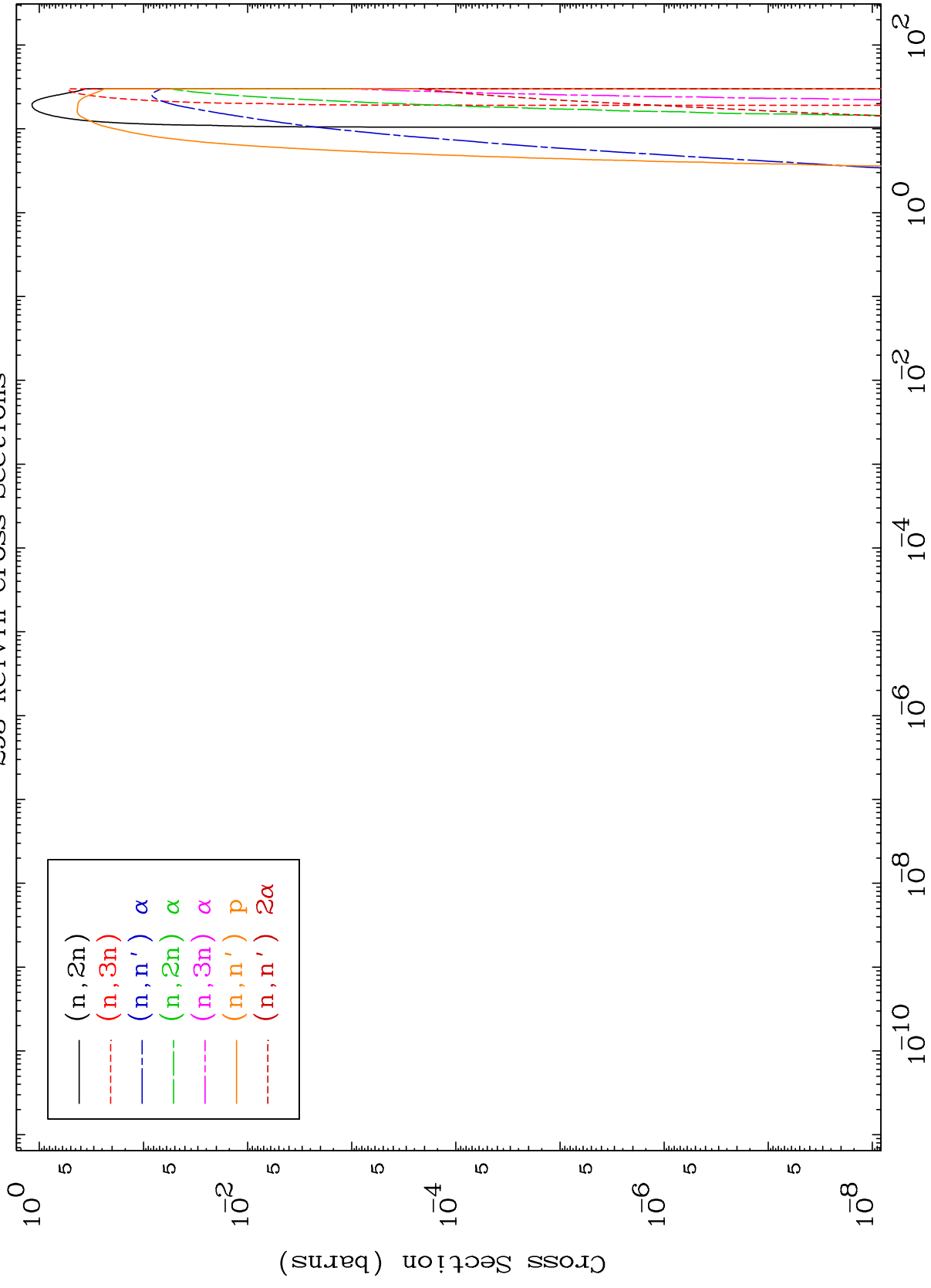
71-Lu-161



MAT 7083

Neutron Production
293 Kelvin Cross Sections

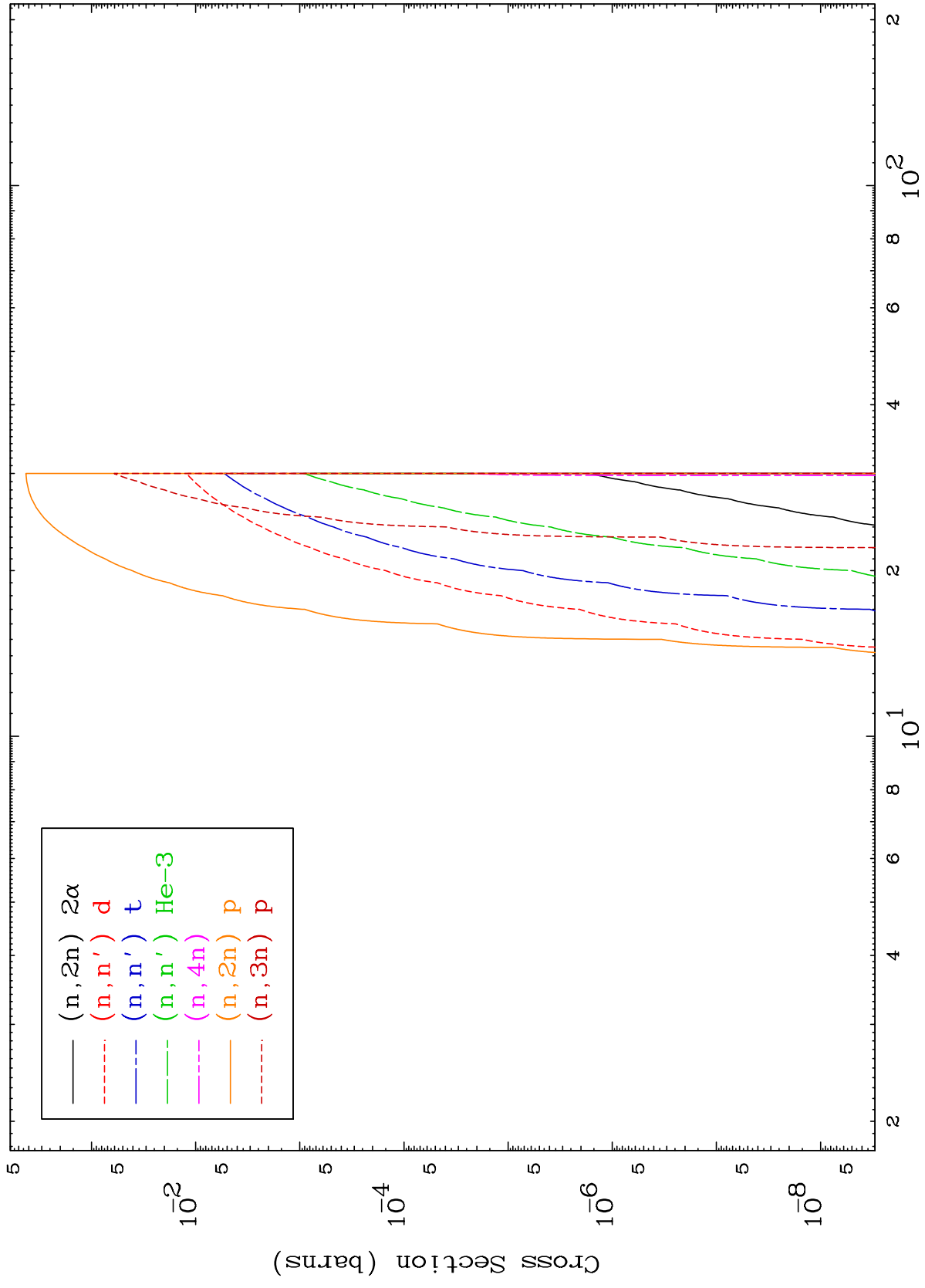
71-Lu-161



MAT 7083

Neutron Production
293 Kelvin Cross Sections

71-Lu-161



3

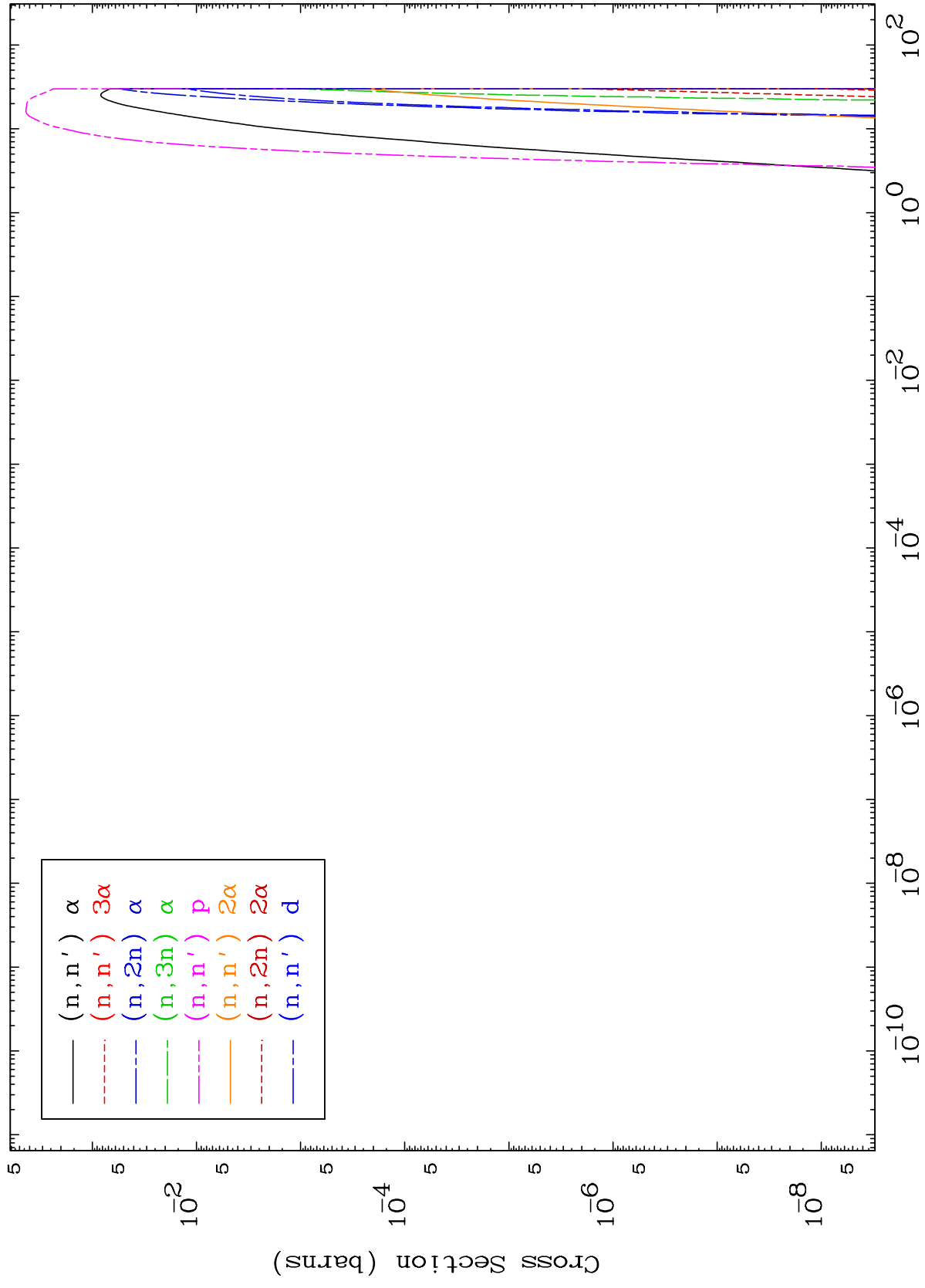
Incident Energy (MeV)

71-Lu-161

MAT 7083

293 Charged Particle
Kelvin Cross Sections

71-Lu-161

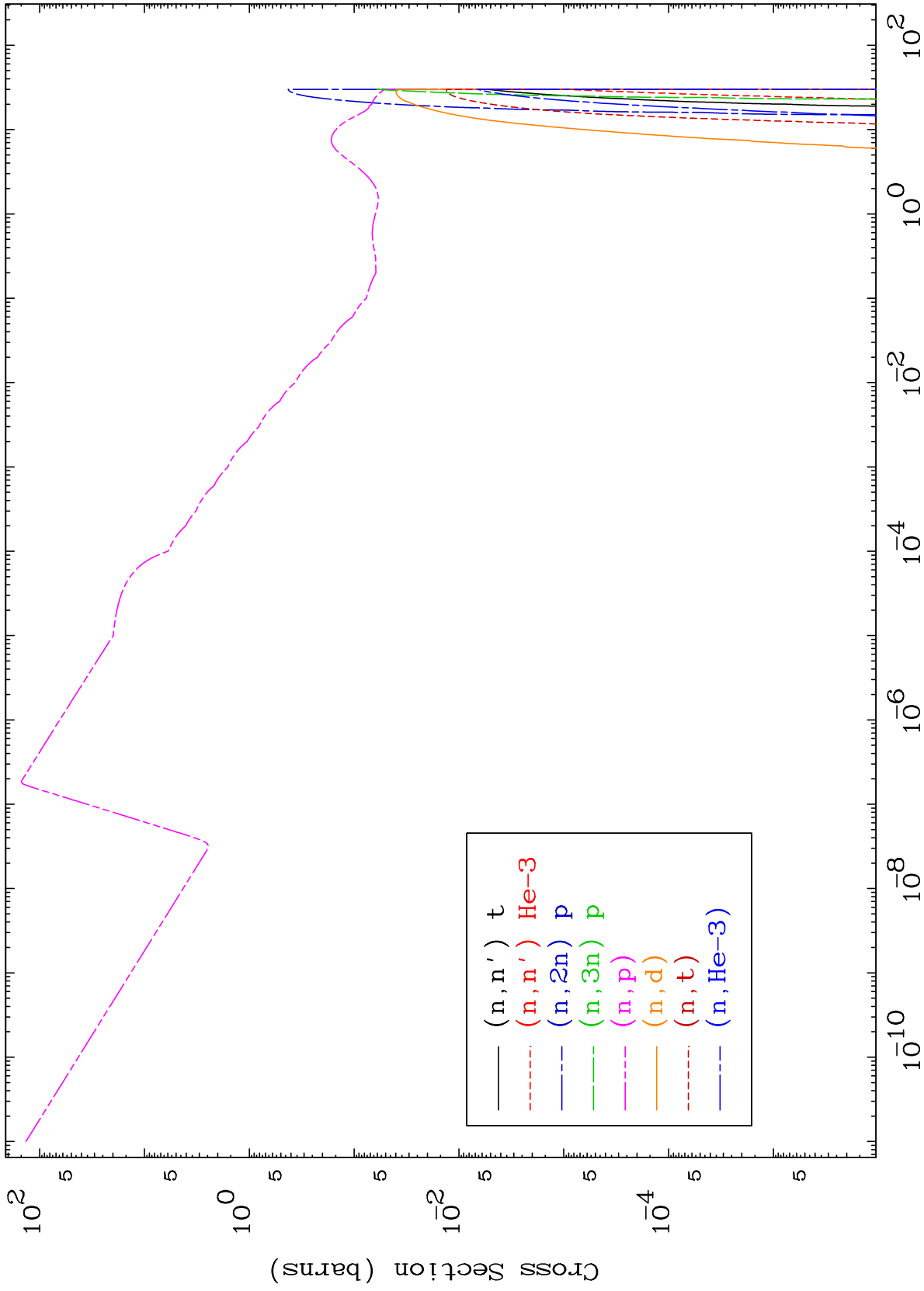


71-Lu-161

MAT 7083

Charged Particle
293 Kelvin Cross Sections

71-Lu-161



5

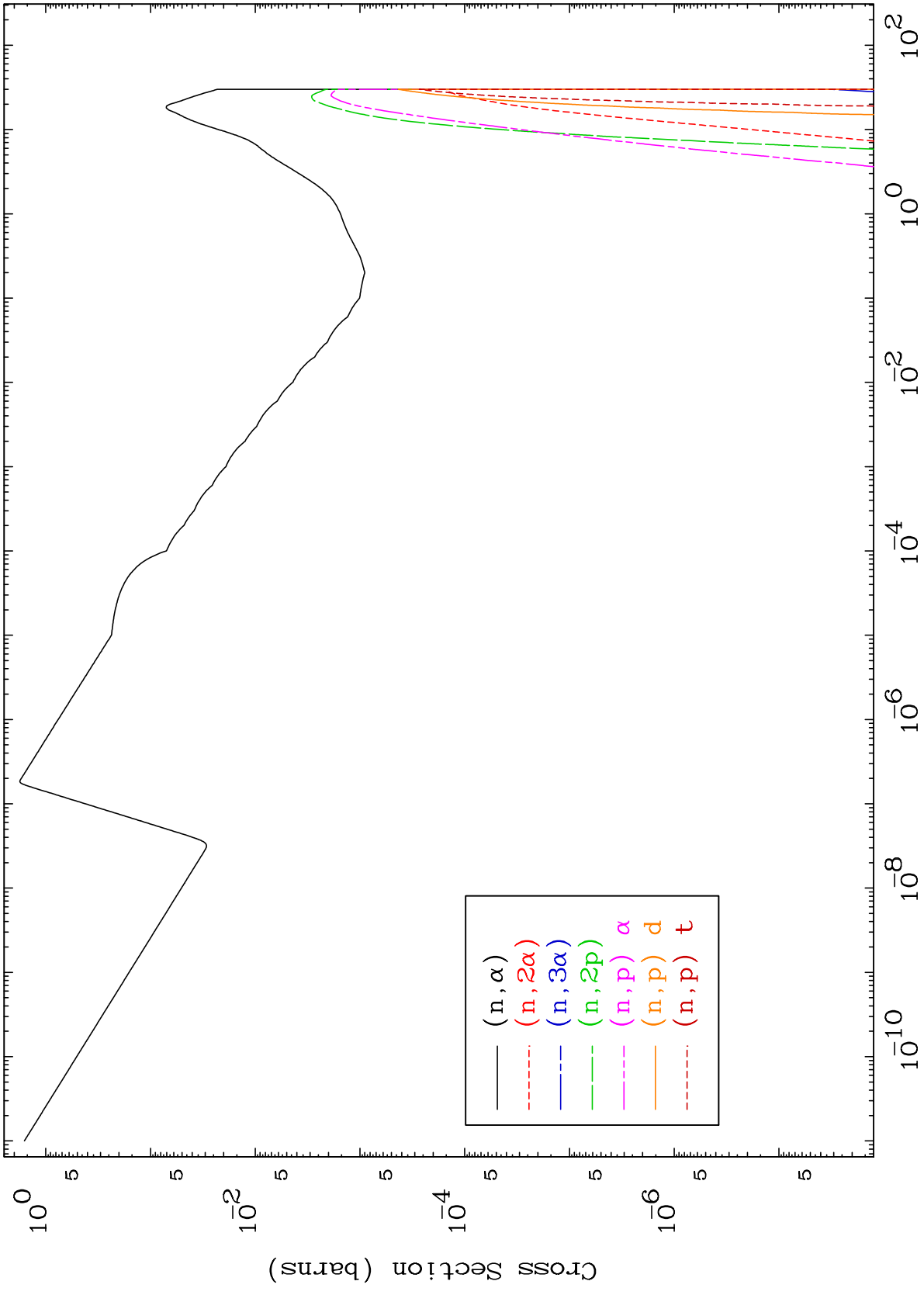
Incident Energy (MeV)

71-Lu-161

MAT 7083

Charged Particle
293 Kelvin Cross Sections

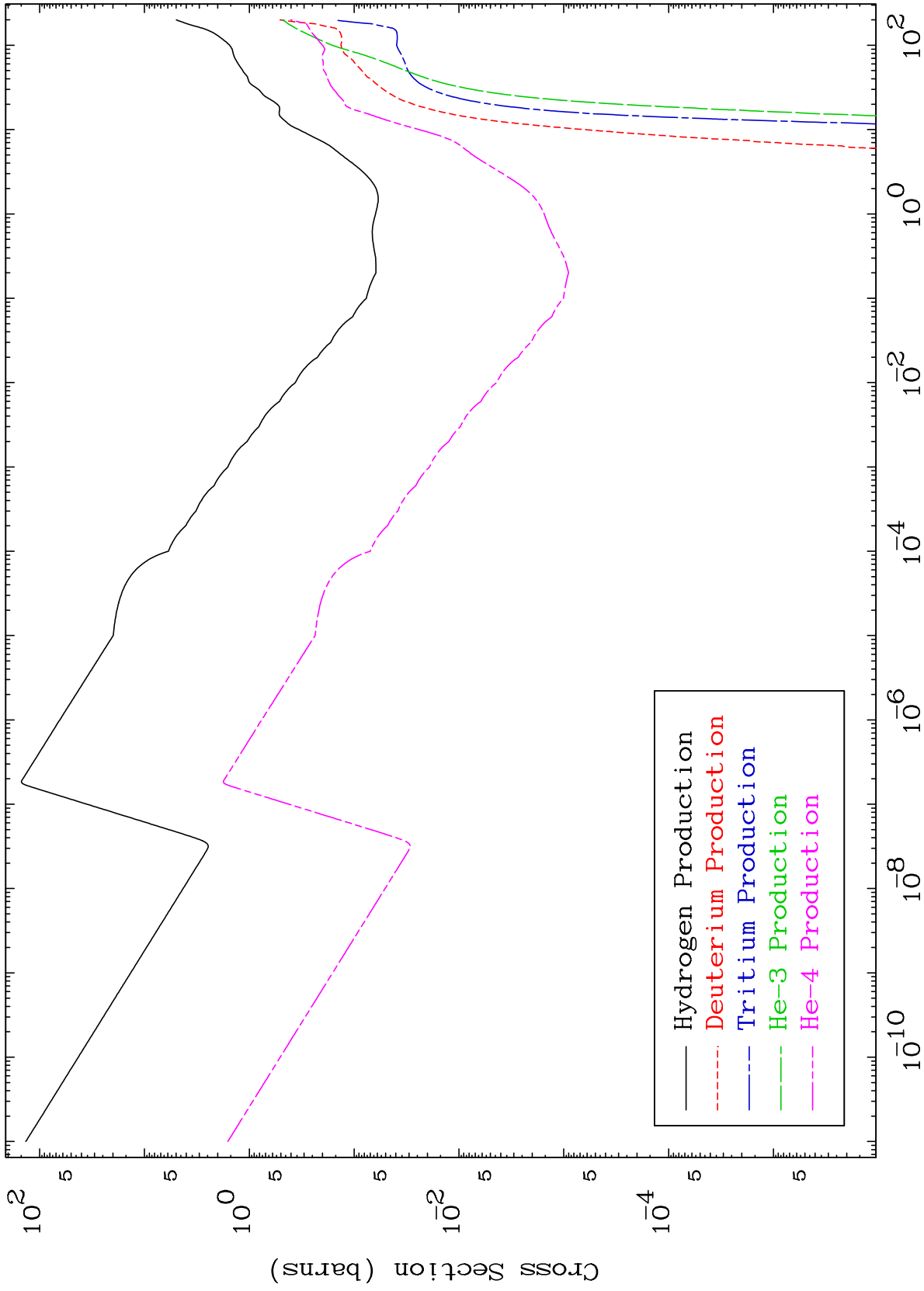
71-Lu-161



MAT 7083

Particle Production
293 Kelvin Cross Sections

71-Lu-161



7

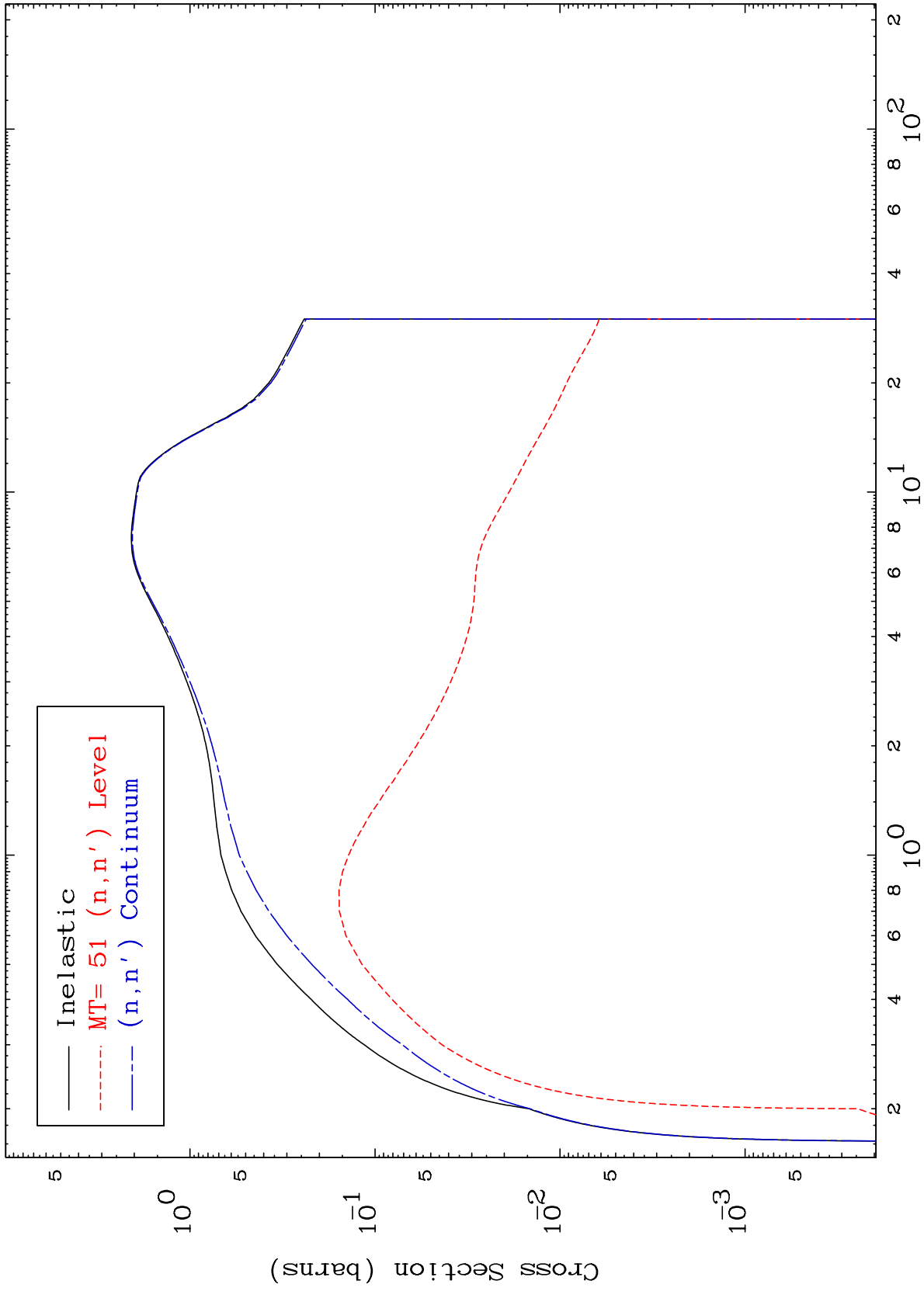
Incident Energy (MeV)

71-Lu-161

MAT 7083

293 Kelvin Cross Sections

71-Lu-161



8

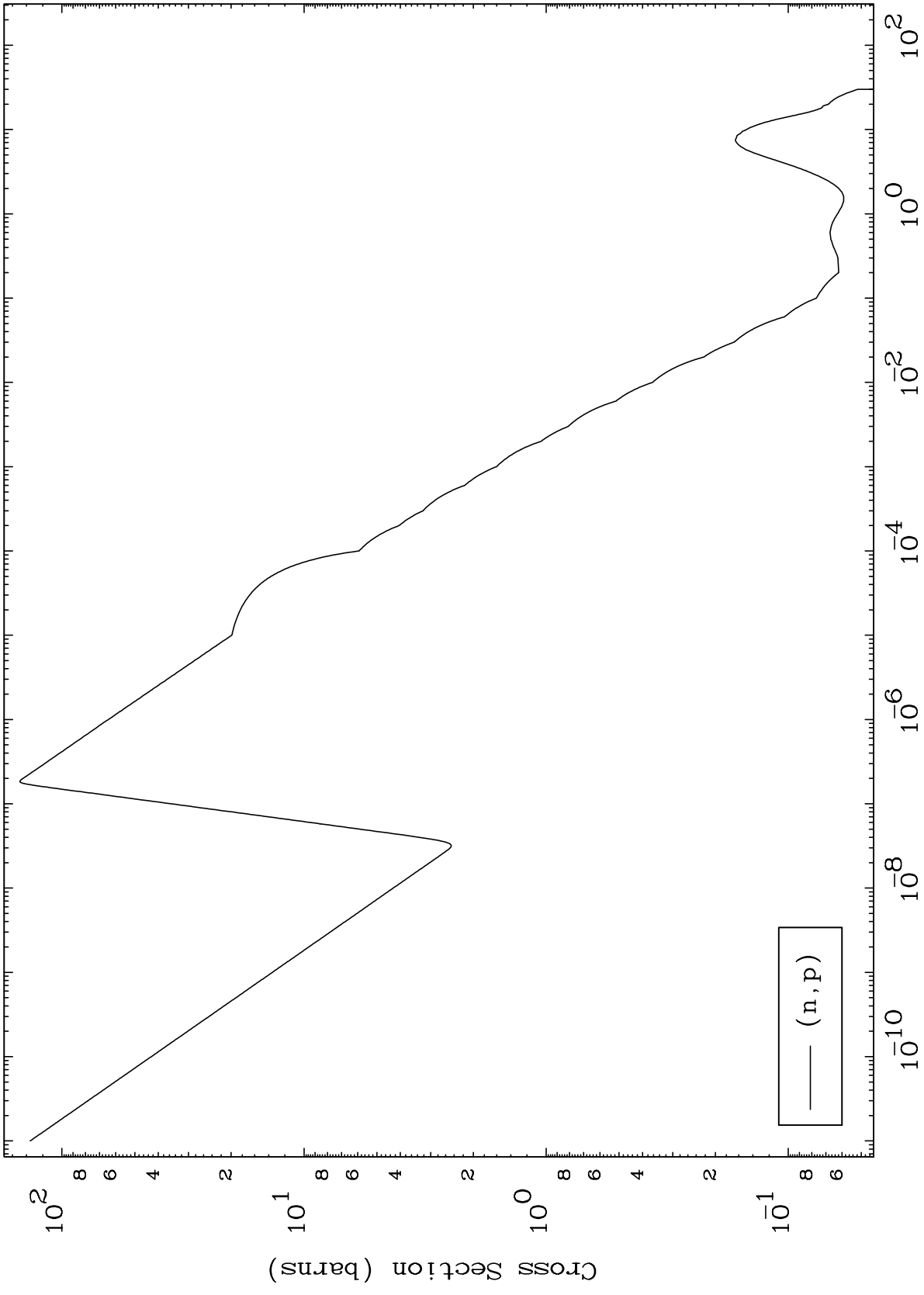
Incident Energy (MeV)

71-Lu-161

MAT 7083

(n,p) Levels
293 Kelvin Cross Sections

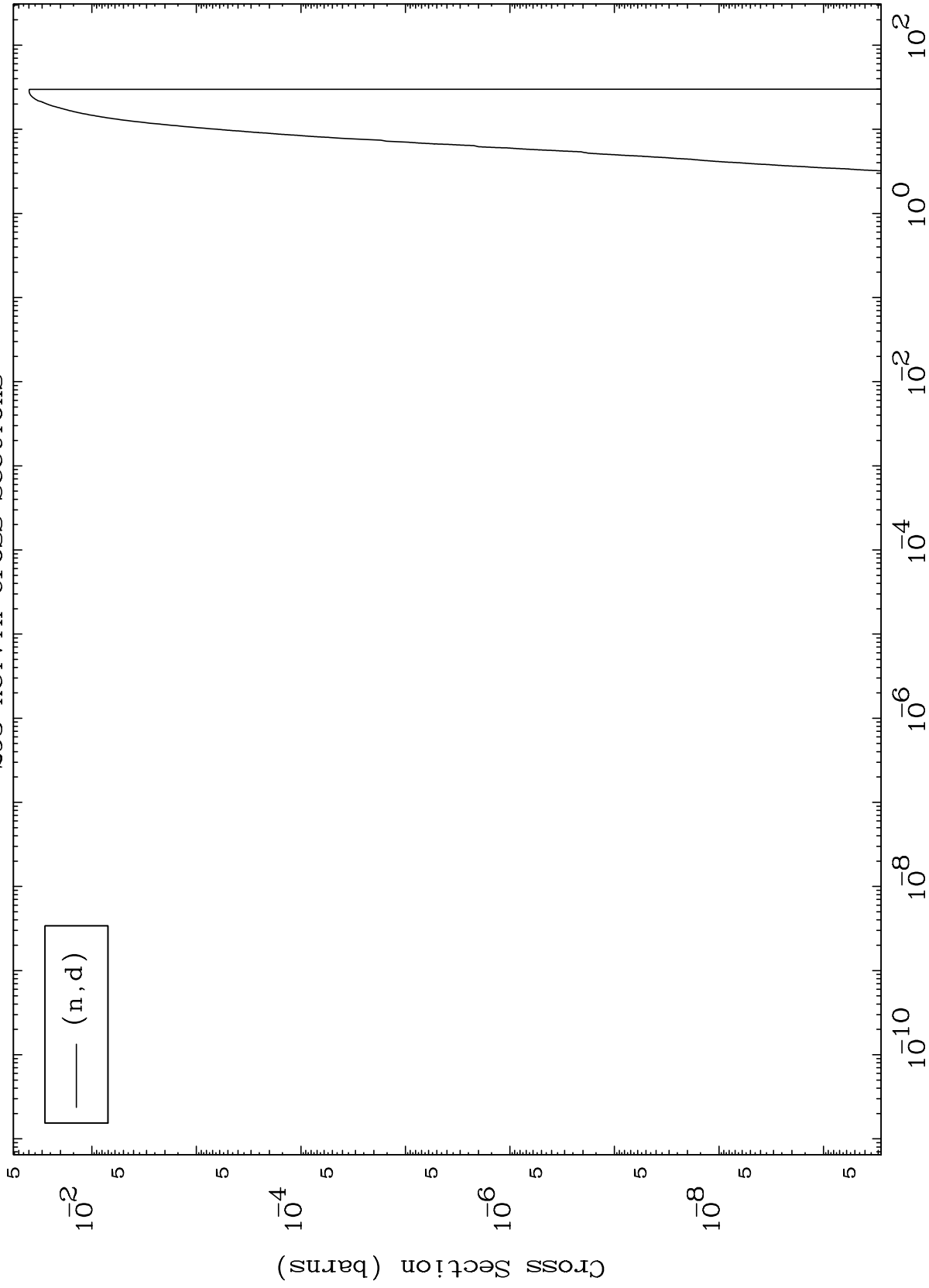
71-Lu-161



MAT 7083

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-161



10

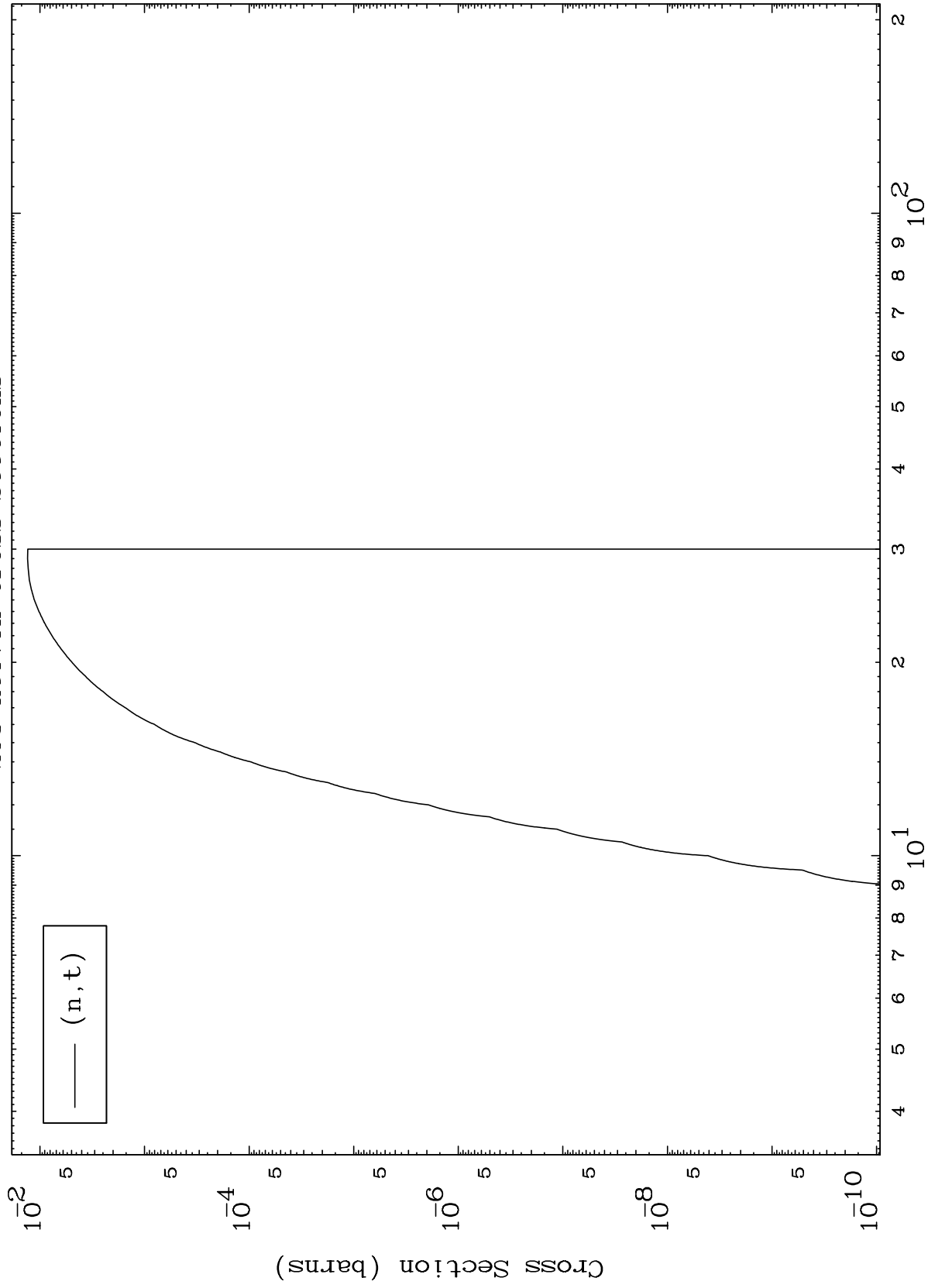
Incident Energy (MeV)

71-Lu-161

MAT 7083

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-161



11

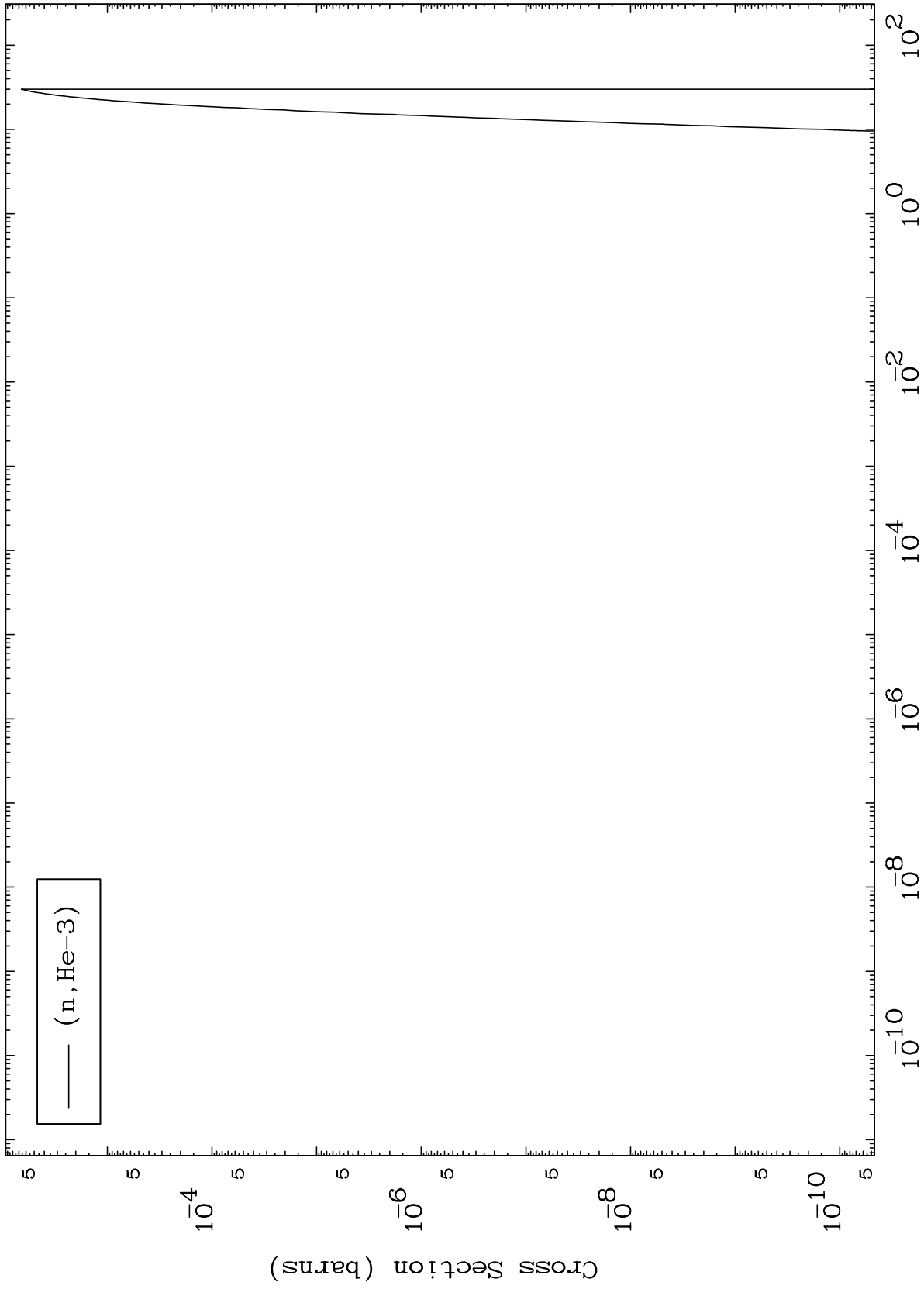
Incident Energy (MeV)

71-Lu-161

MAT 7083

(n,He3) Levels
293 Kelvin Cross Sections

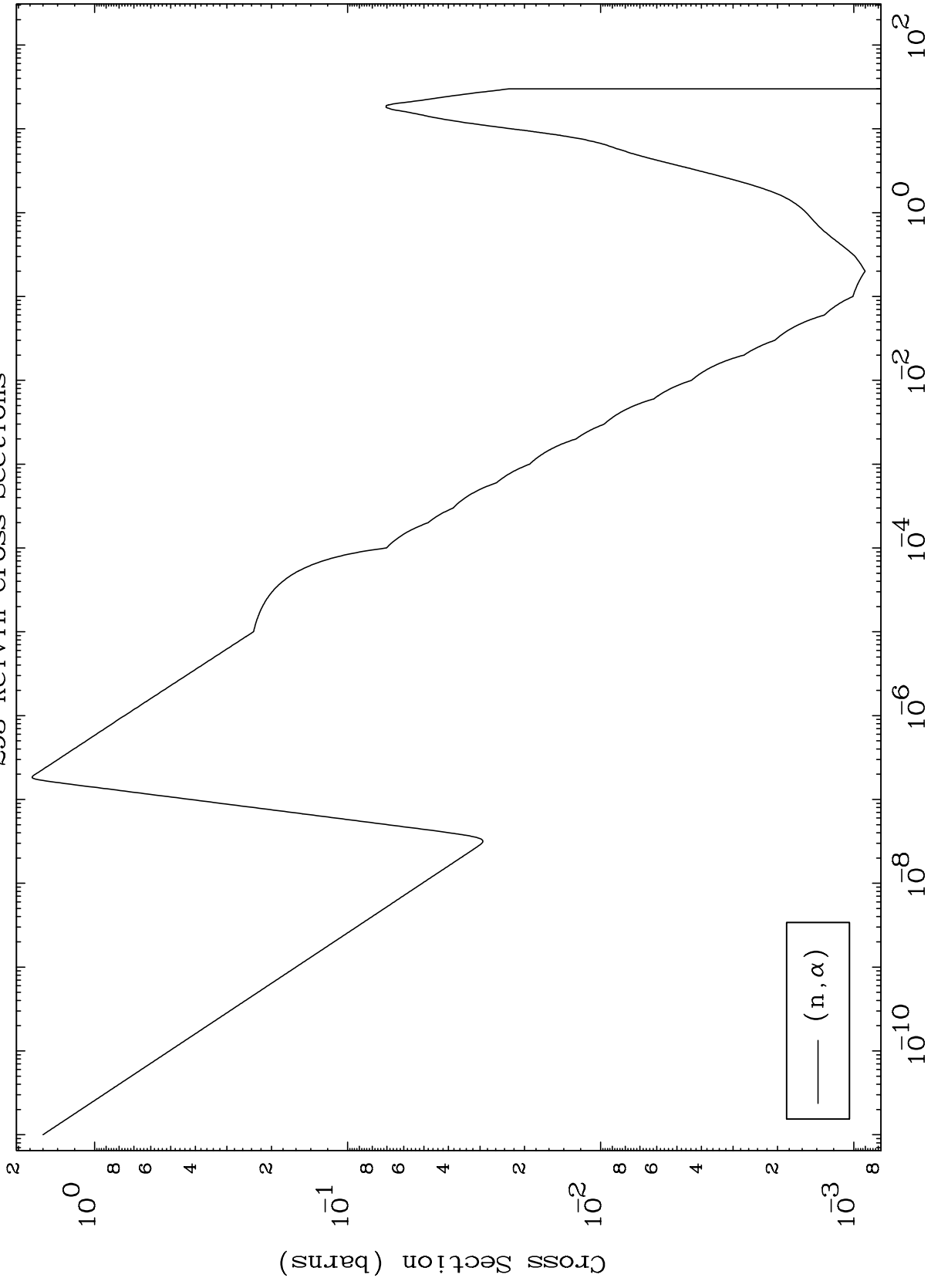
71-Lu-161



MAT 7083

(n,α) Levels
293 Kelvin Cross Sections

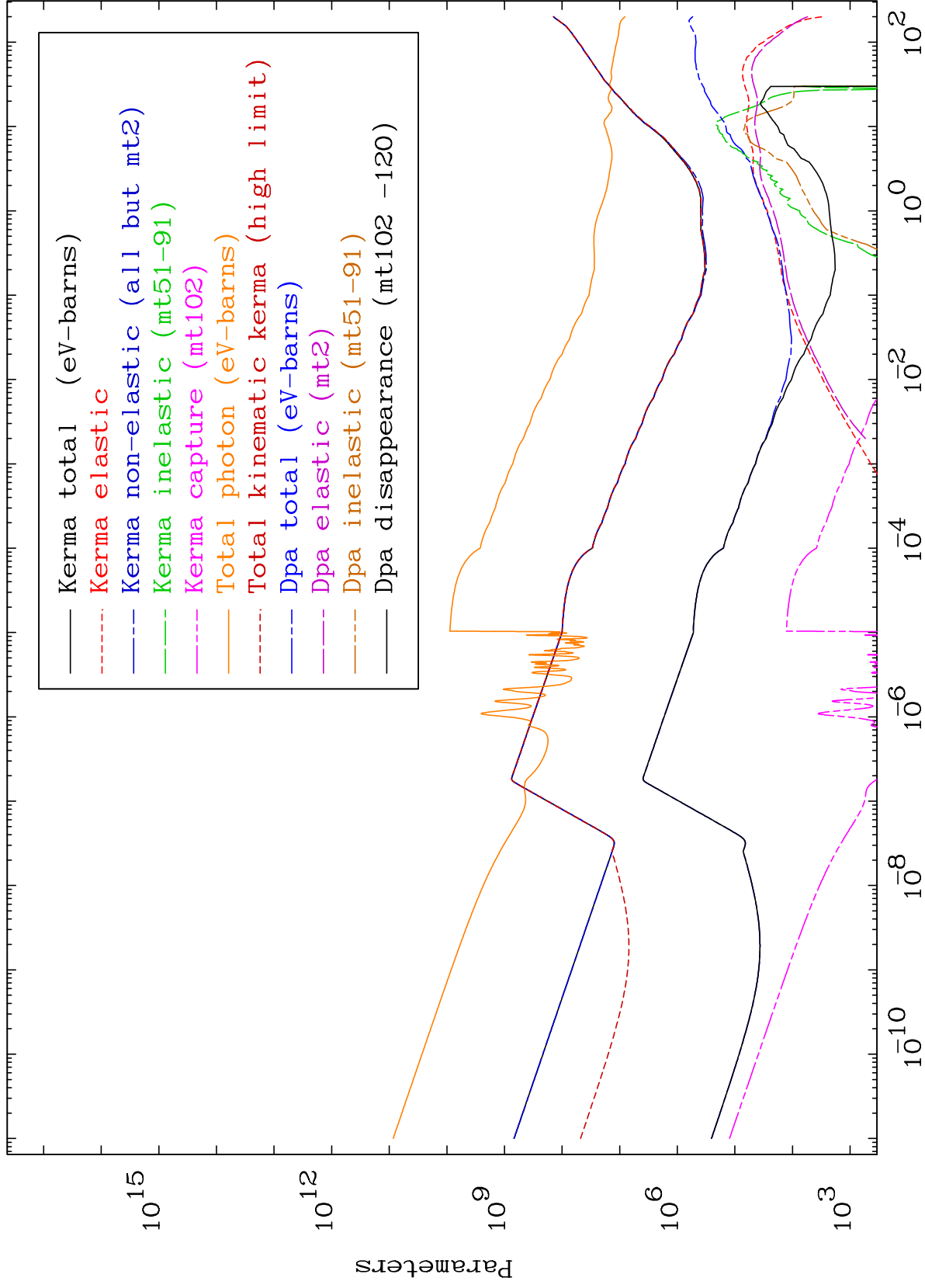
71-Lu-161



13

Incident Energy (MeV)

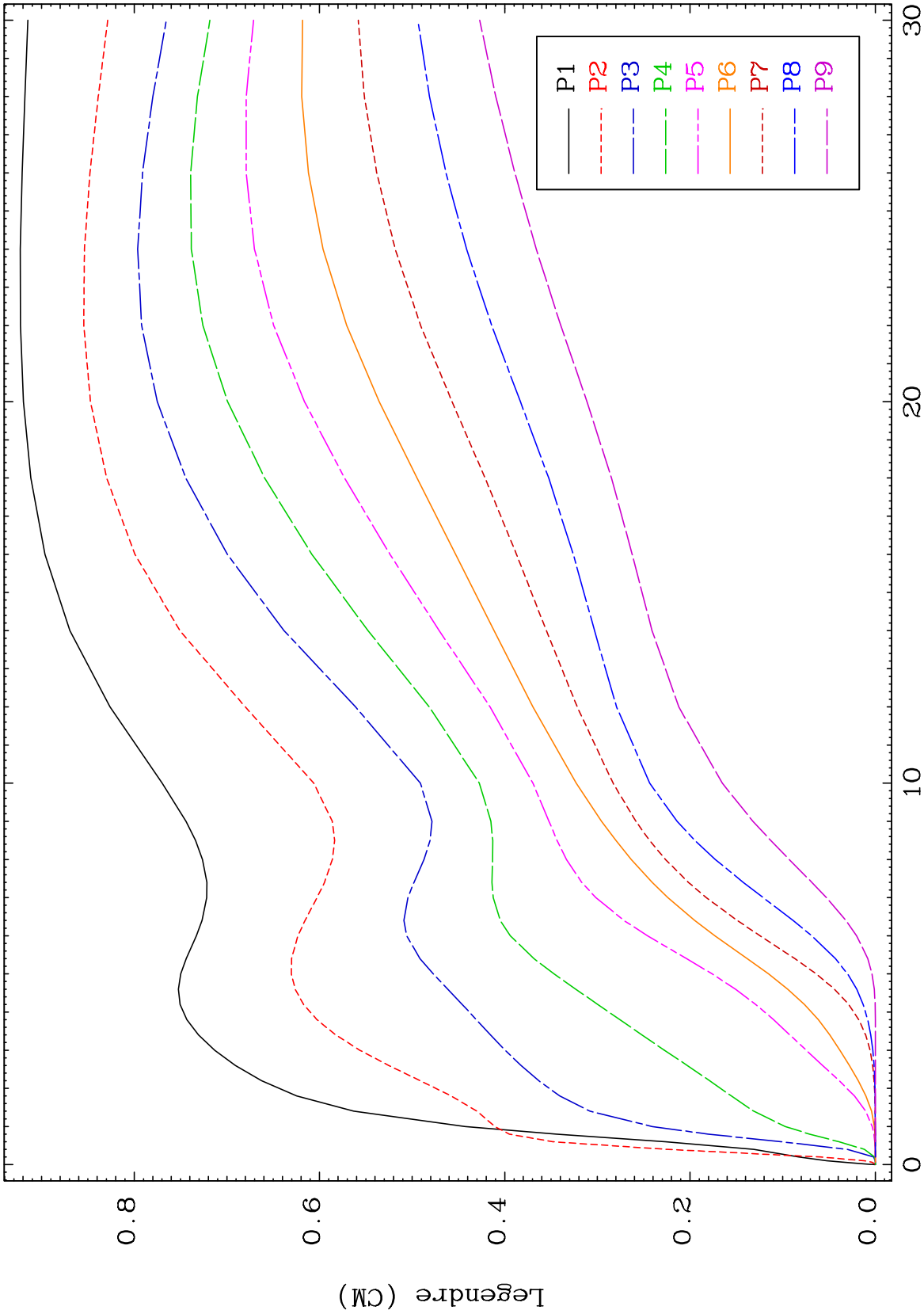
71-Lu-161



MAT 7083

Elastic Legendre Coefficients

71-Lu-161



15

Incident Energy (MeV)

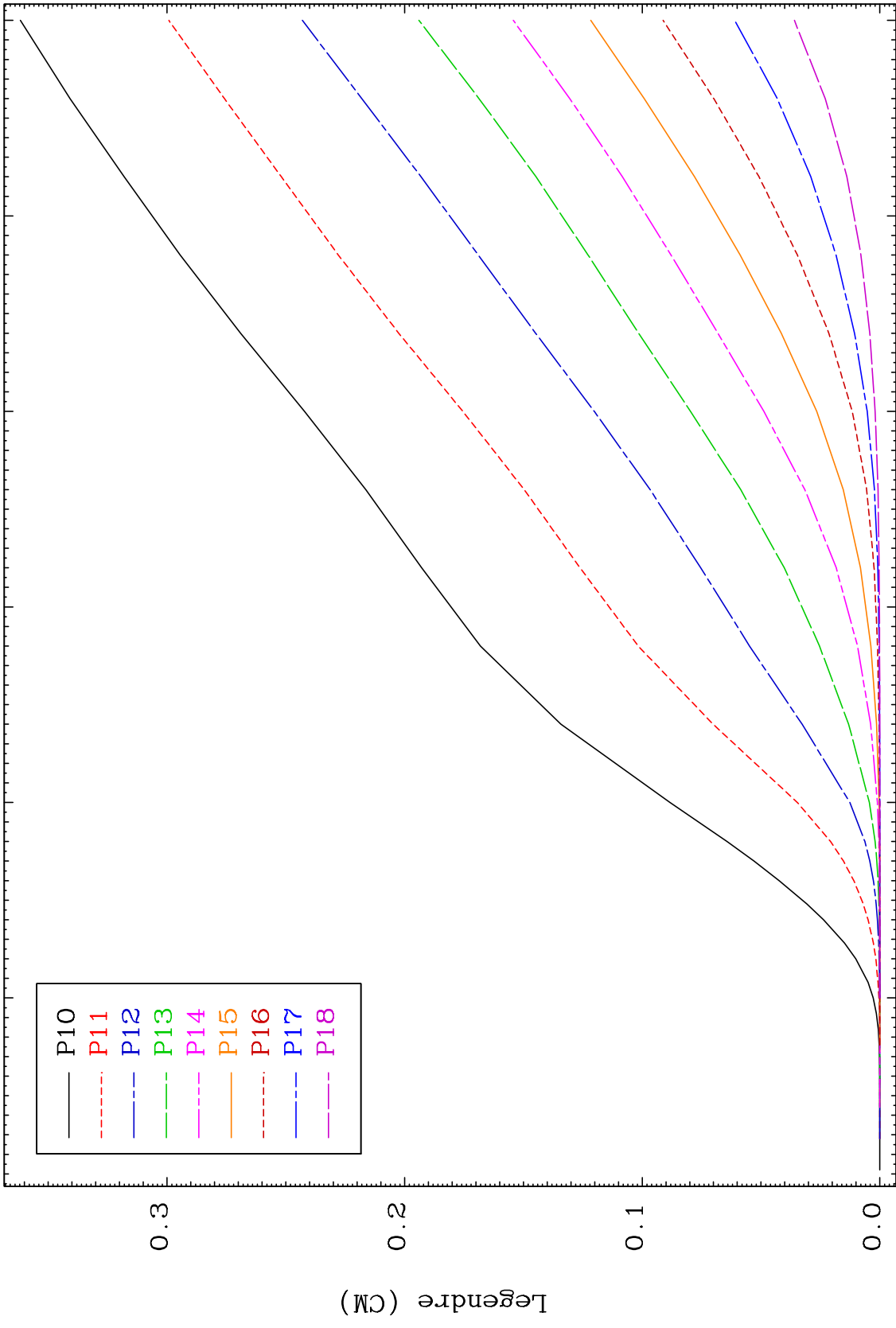
71-Lu-161

30

MAT 7083

Elastic Legendre Coefficients

71-Lu-161



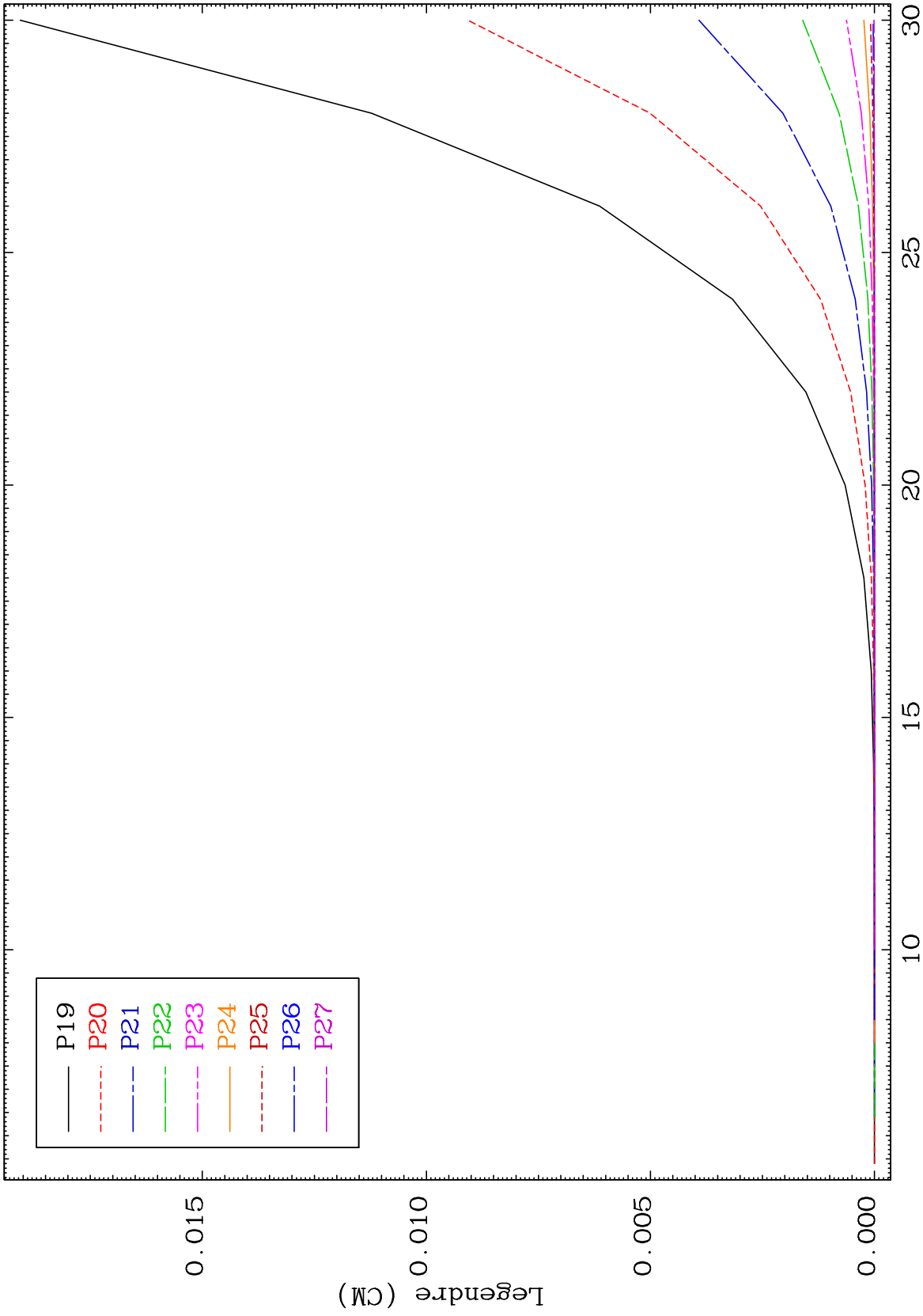
16

71-Lu-161

MAT 7083

Elastic Legendre Coefficients

71-Lu-161



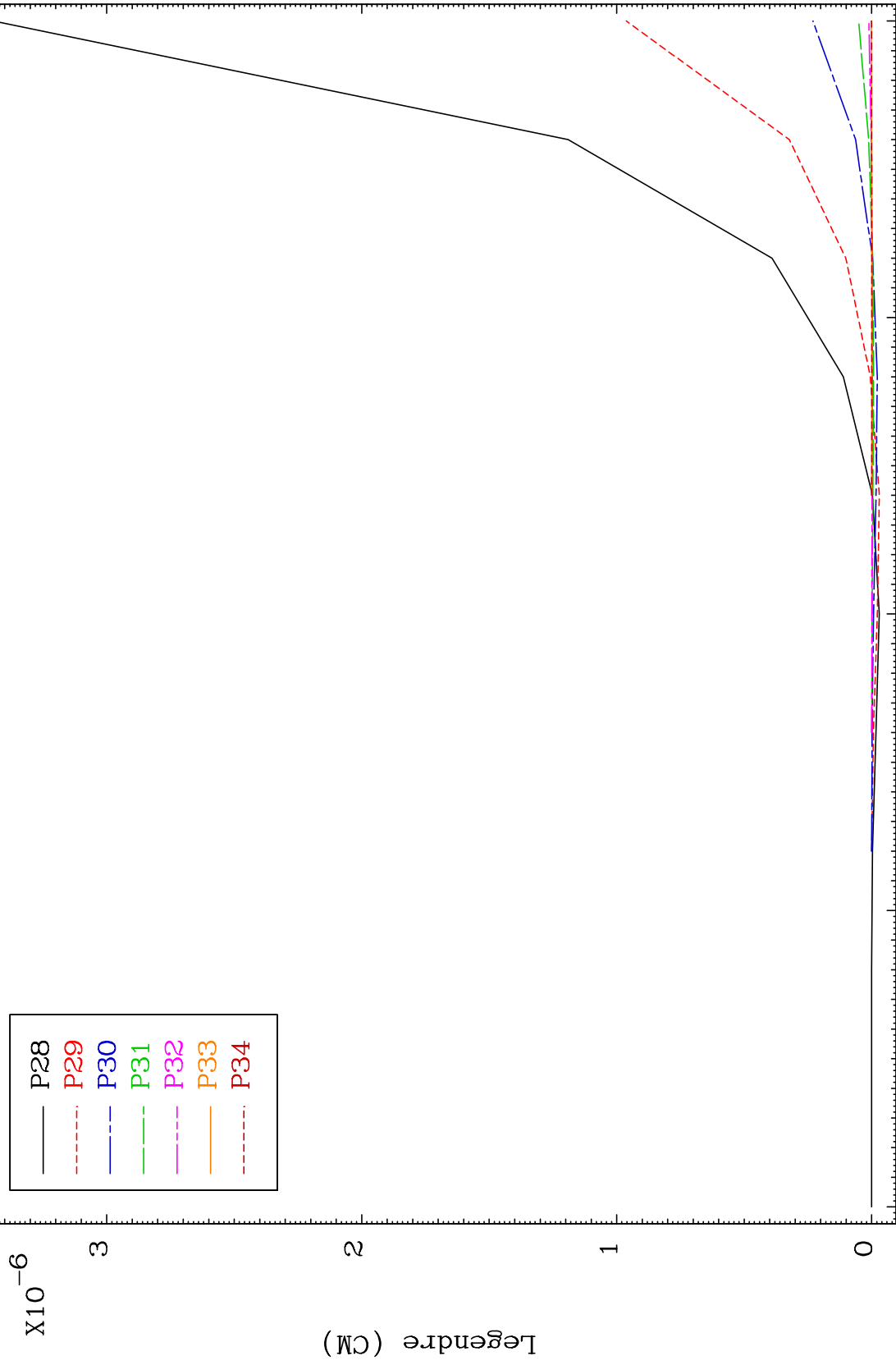
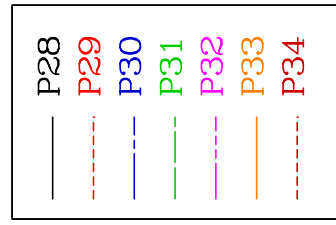
17

71-Lu-161

MAT 7083

Elastic Legendre Coefficients

71-Lu-161



71-Lu-161

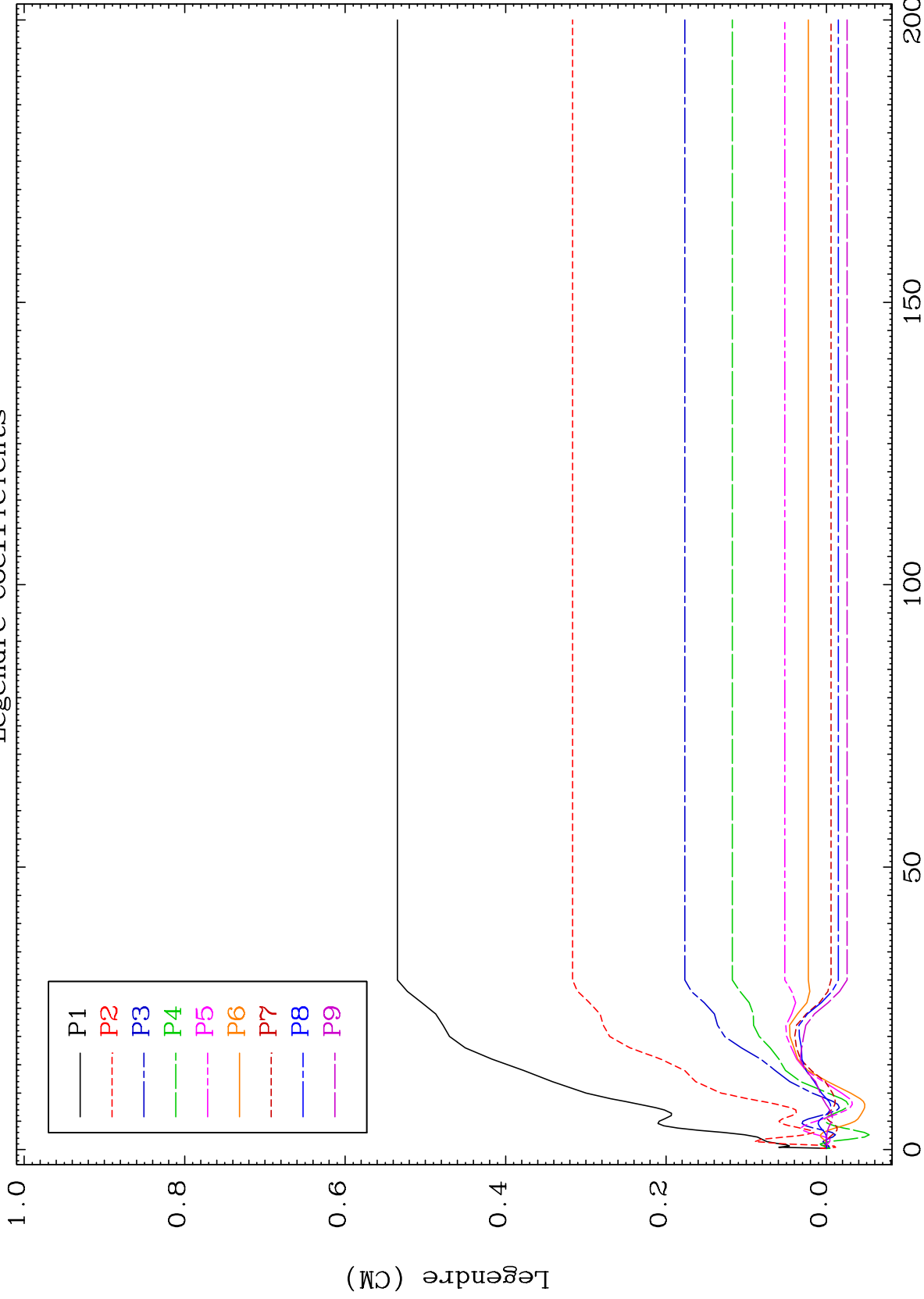
Incident Energy (MeV)

18

MAT 7083

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

71-Lu-161



19

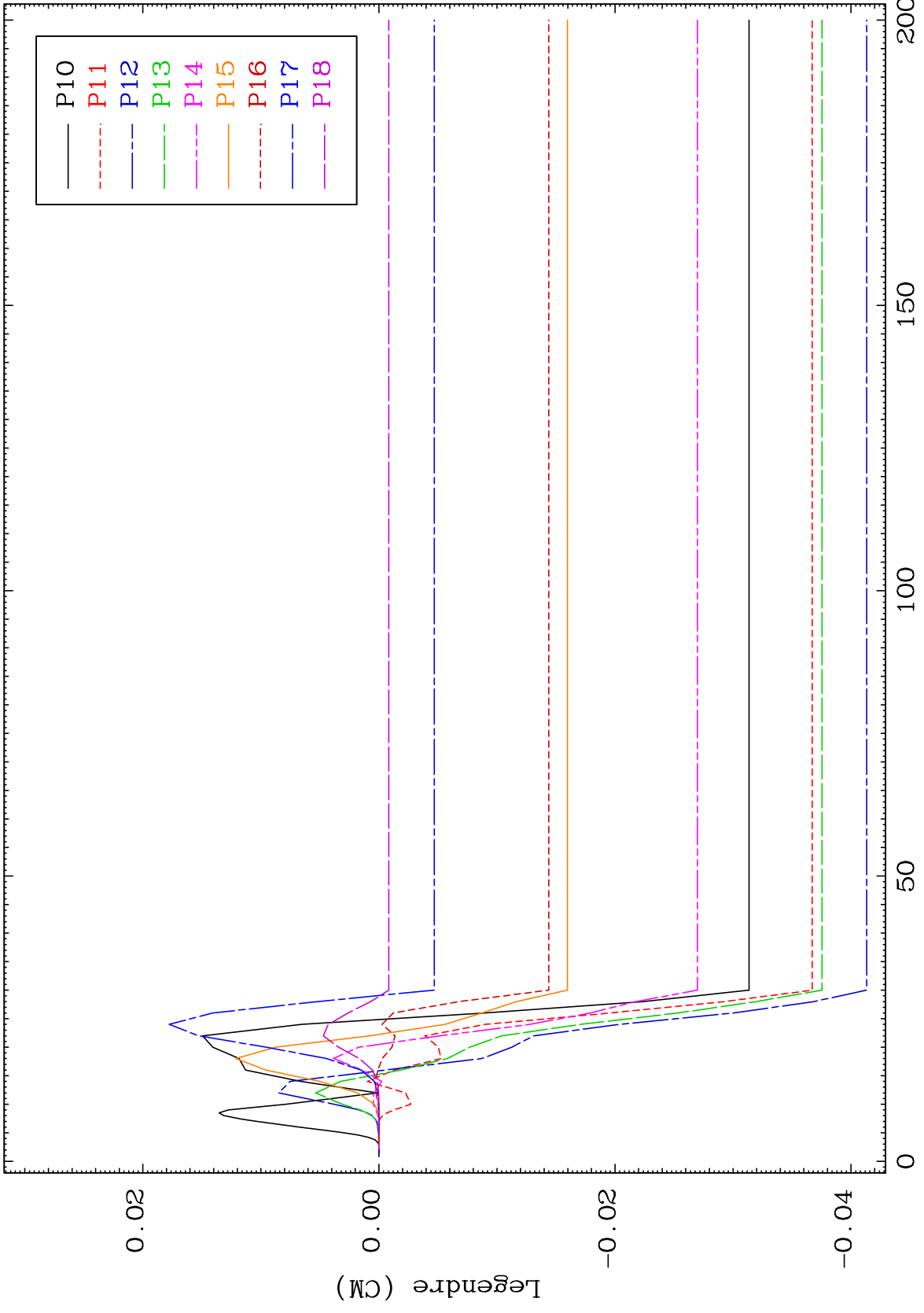
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



0

-0.04

-0.02

0.00

0.02

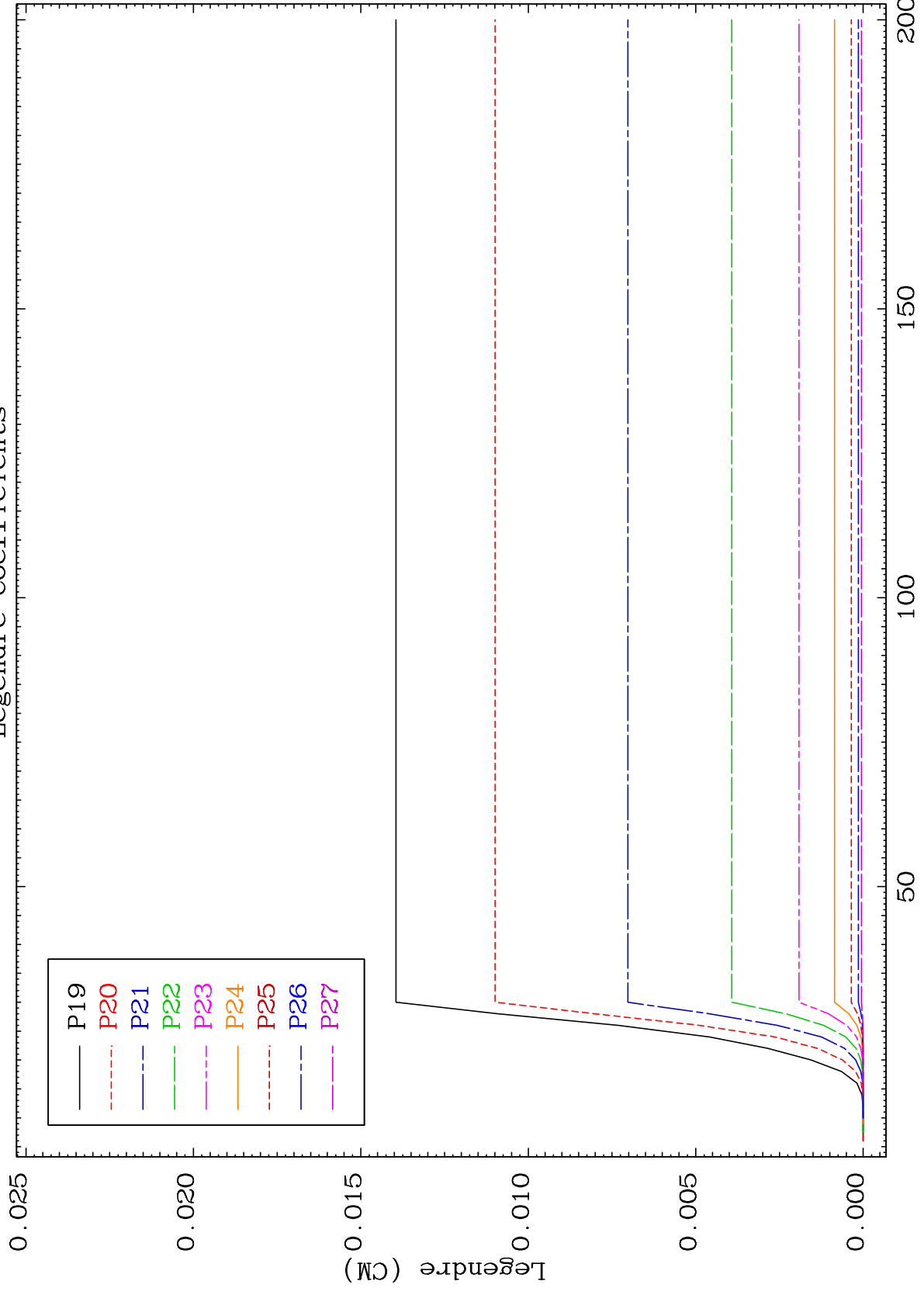
200

71-Lu-161

MAT 7083

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

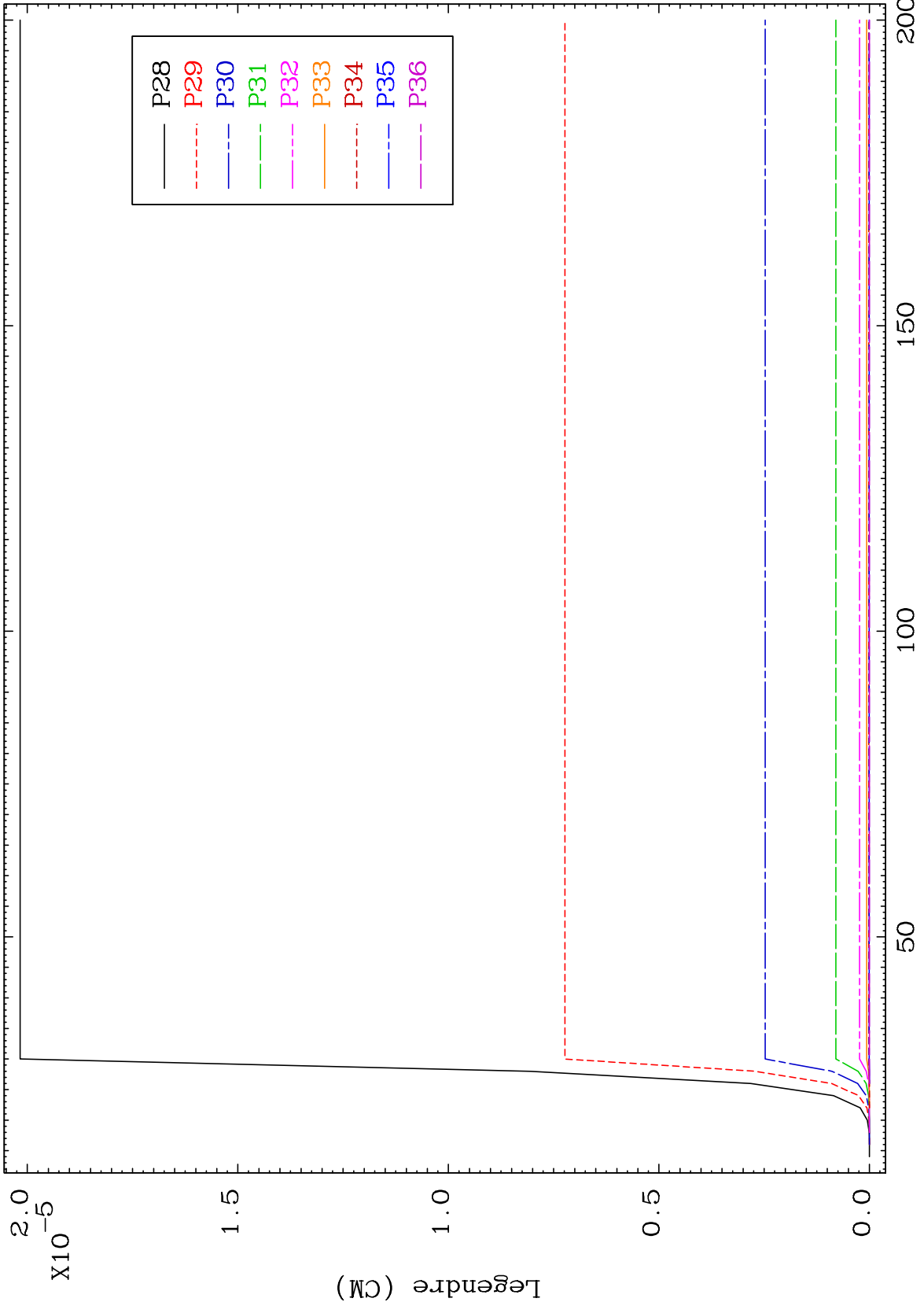
71-Lu-161



MAT 7083

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

71-Lu-161



22

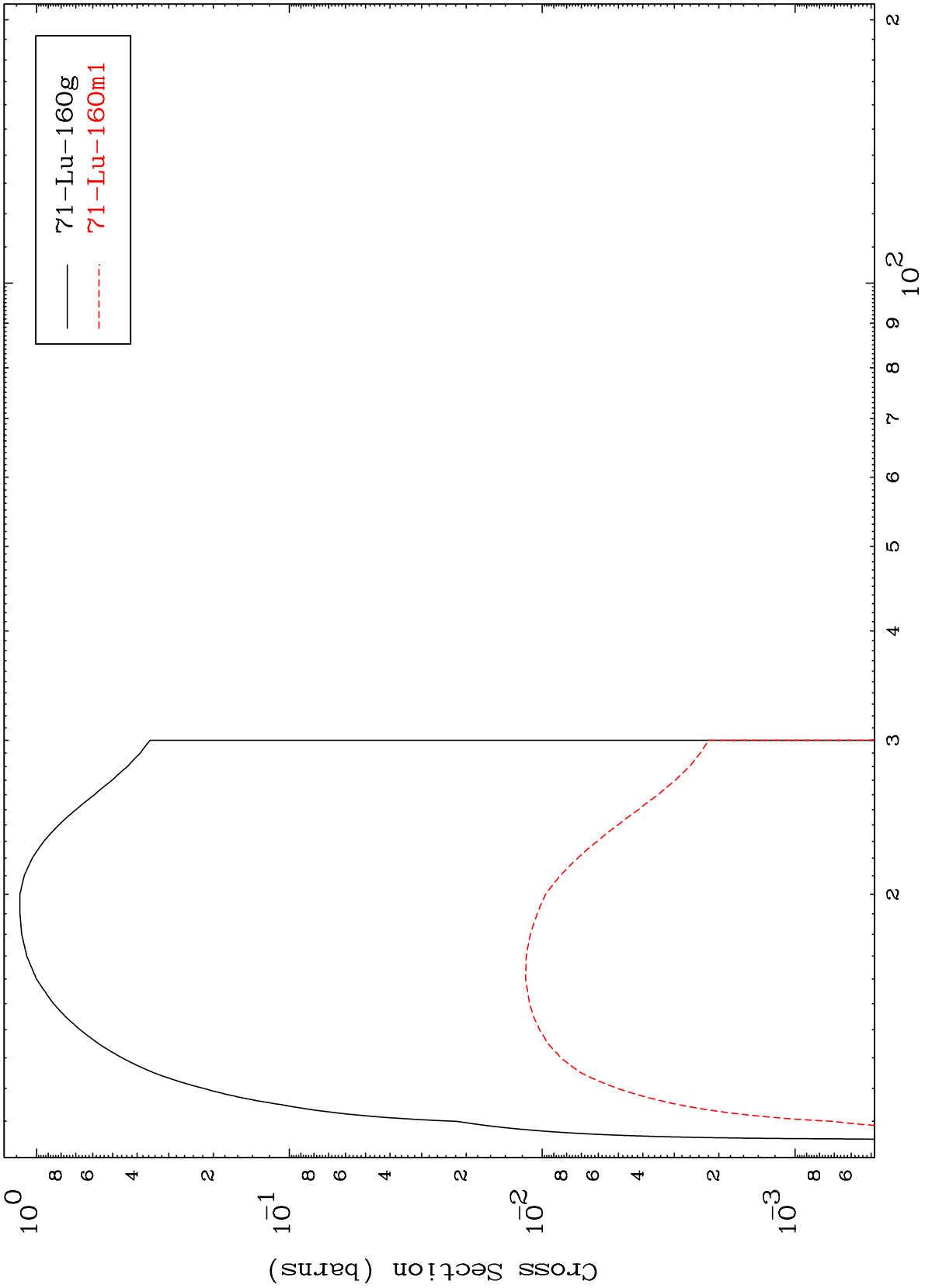
Incident Energy (MeV)

71-Lu-161

MAT 7083

⁷¹Lu-161

(n,2n)
Radionuclide Production Cross Section



23

⁷¹Lu-161

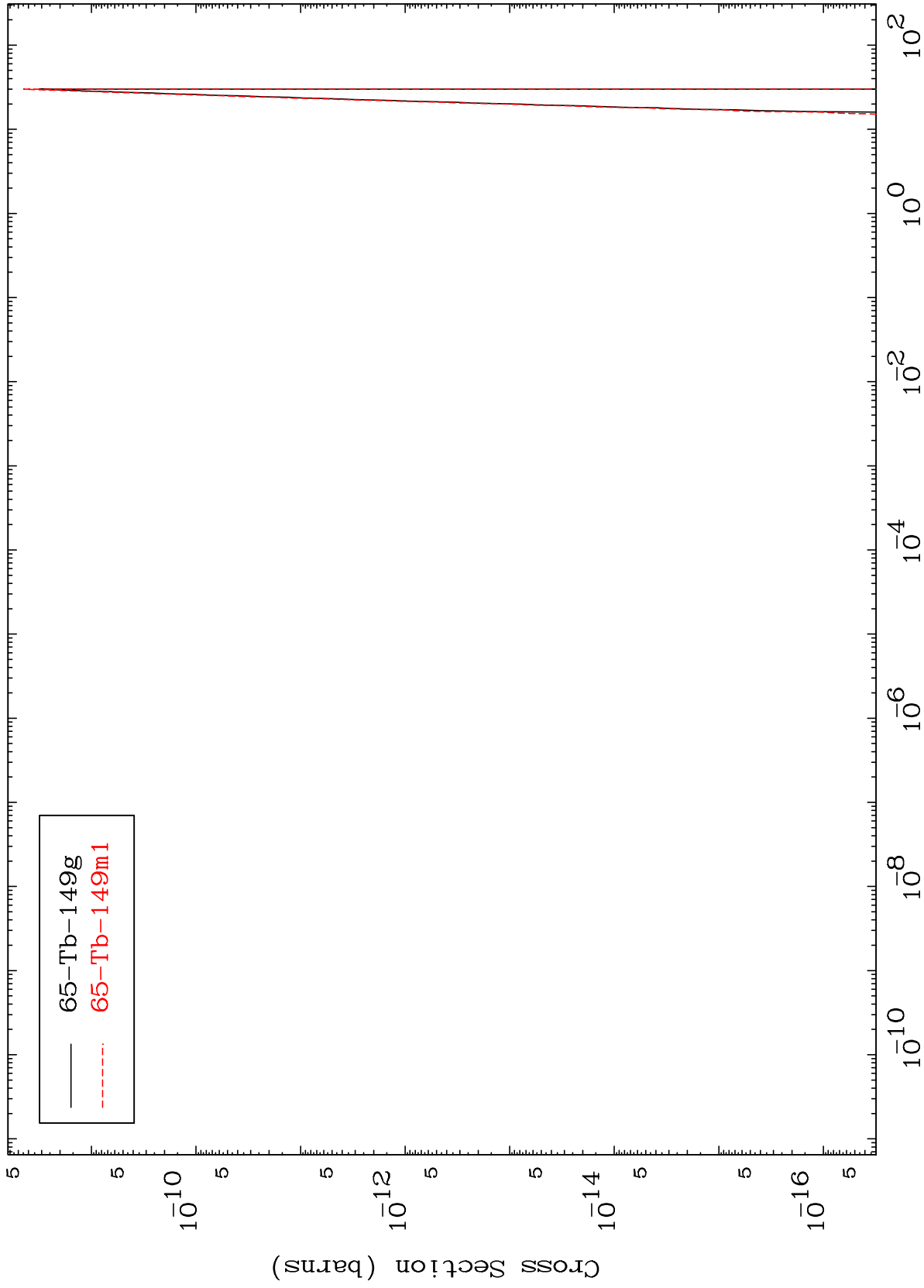
Incident Energy (MeV)

MAT 7083

(n, n') 3 α

⁷¹Lu-161

Radionuclide Production Cross Section



24

Incident Energy (MeV)

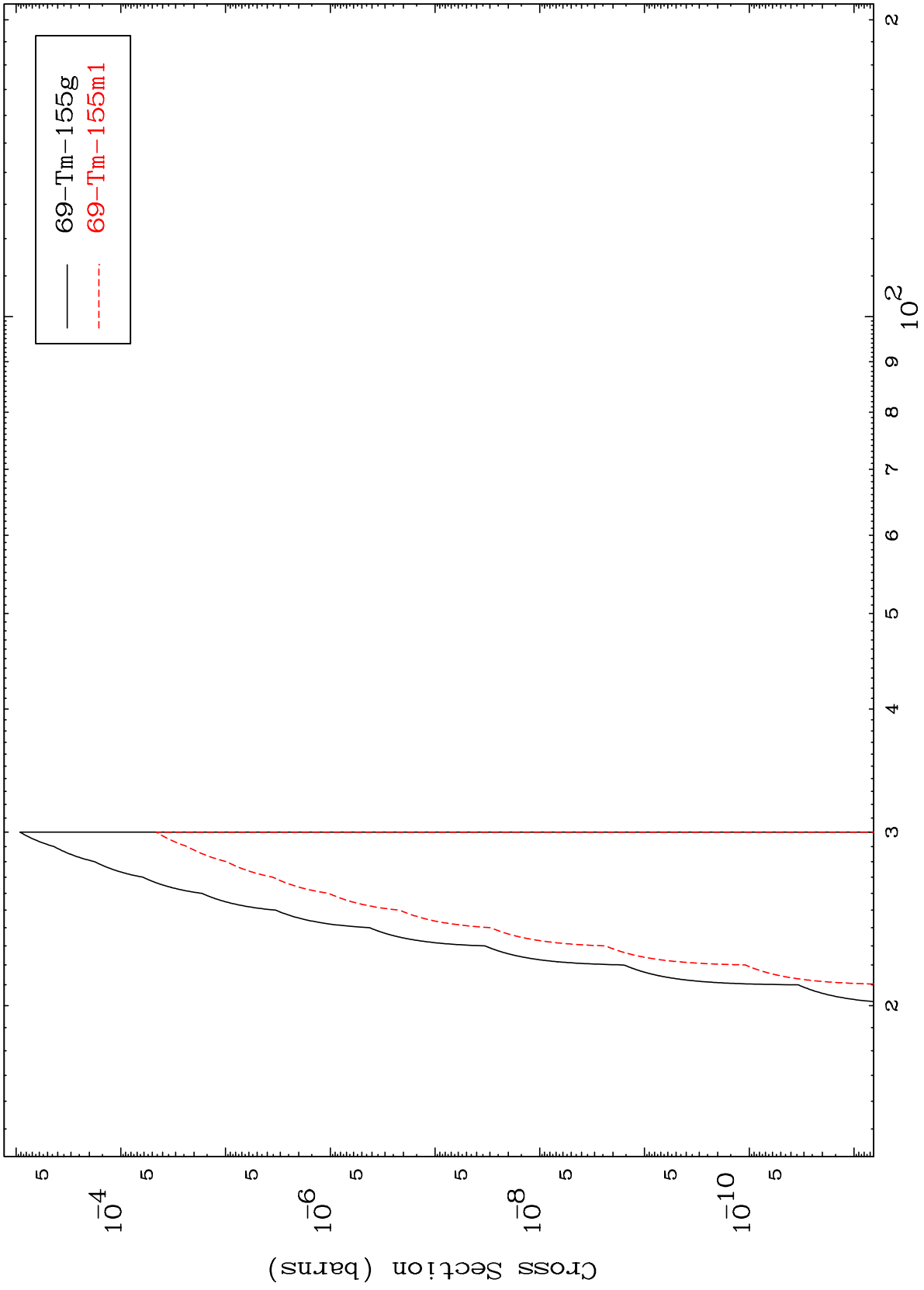
⁷¹Lu-161

MAT 7083

(n,3n) α

71-Lu-161

Radionuclide Production Cross Section



25

Incident Energy (MeV)

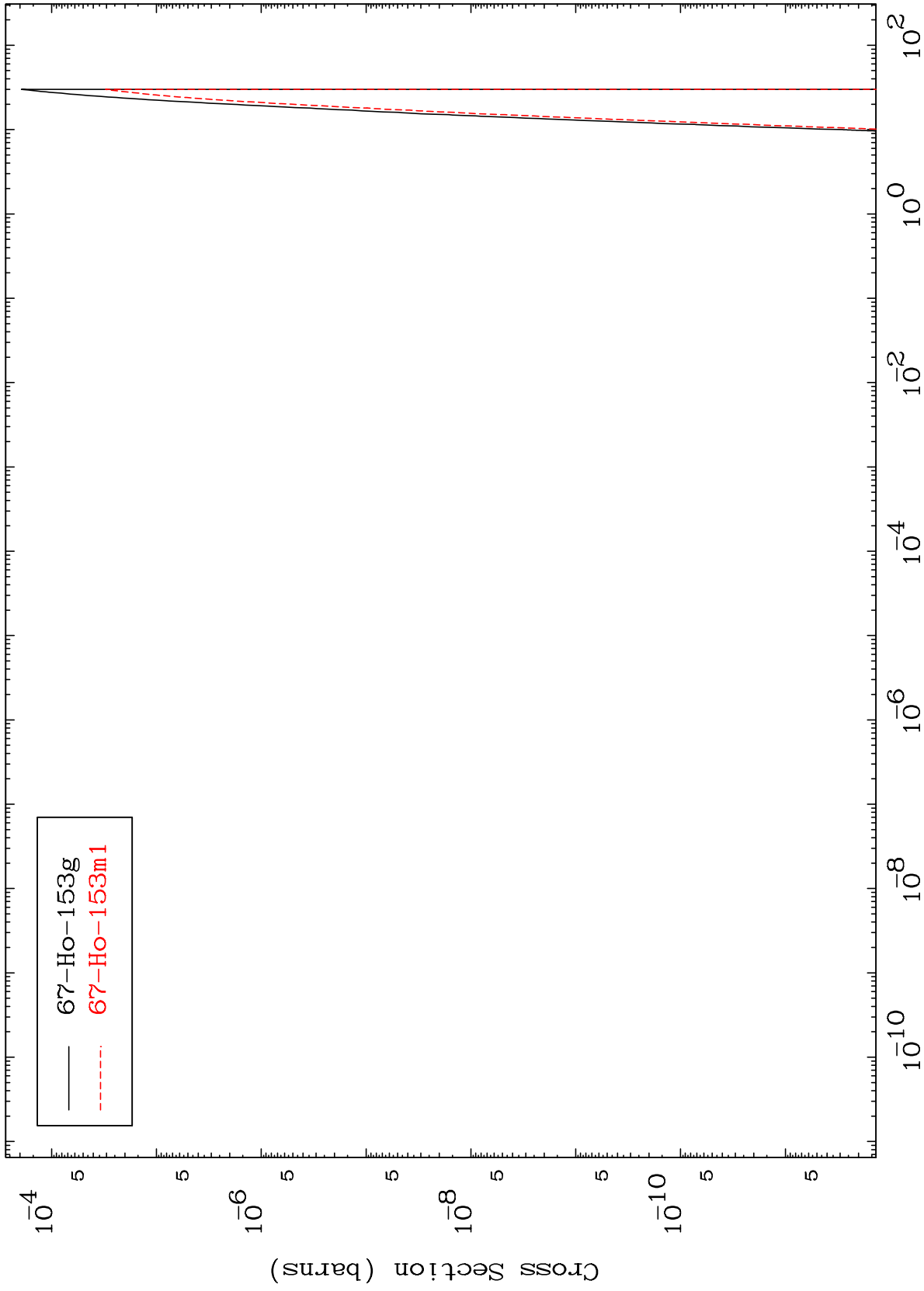
71-Lu-161

MAT 7083

(n,n') 2 α

⁷¹Lu-161

Radionuclide Production Cross Section



26

Incident Energy (MeV)

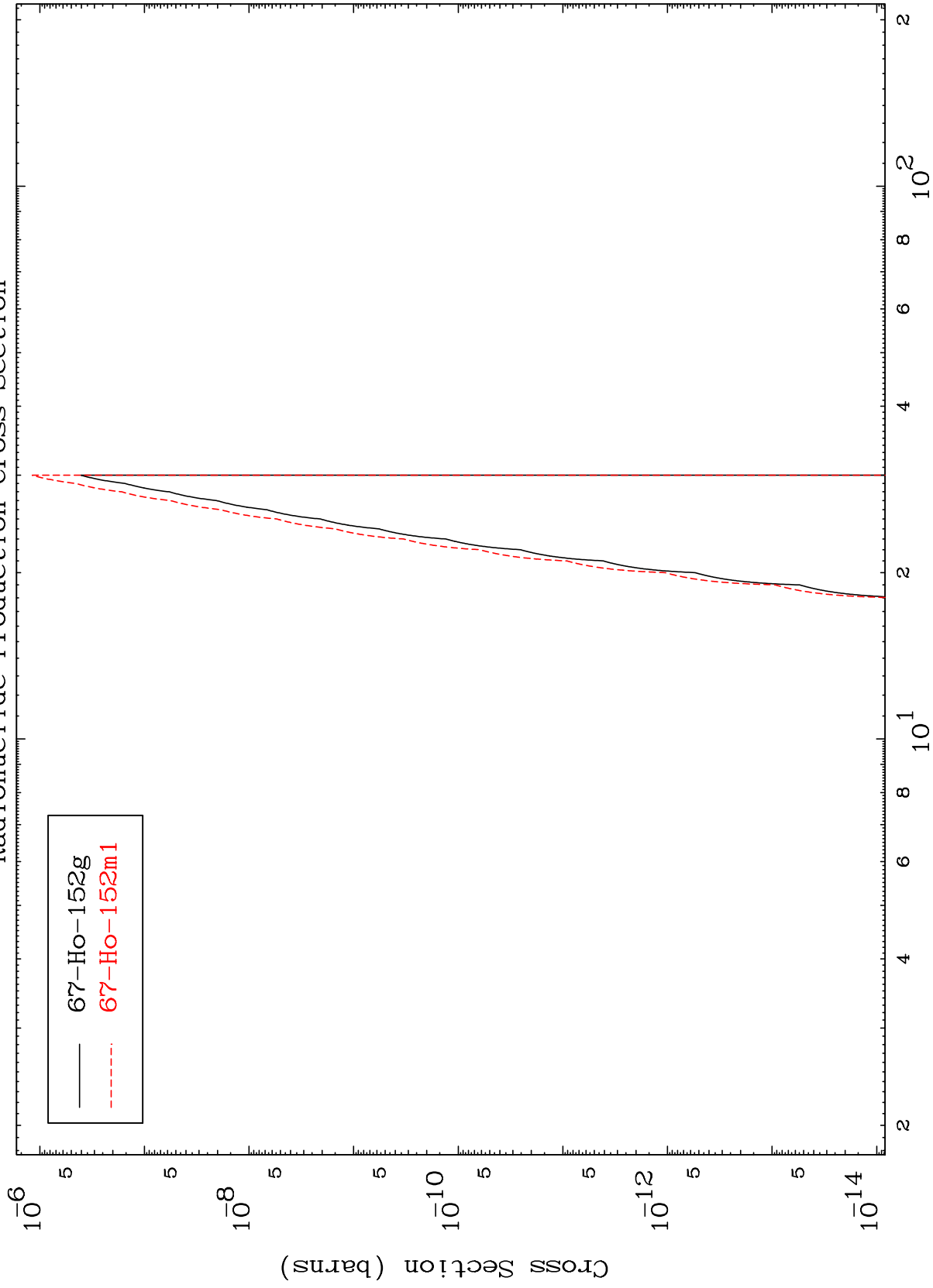
⁷¹Lu-161

MAT 7083

(n,2n) 2α

71-Lu-161

Radionuclide Production Cross Section



67-Ho-152g
67-Ho-152m1

27

Incident Energy (MeV)

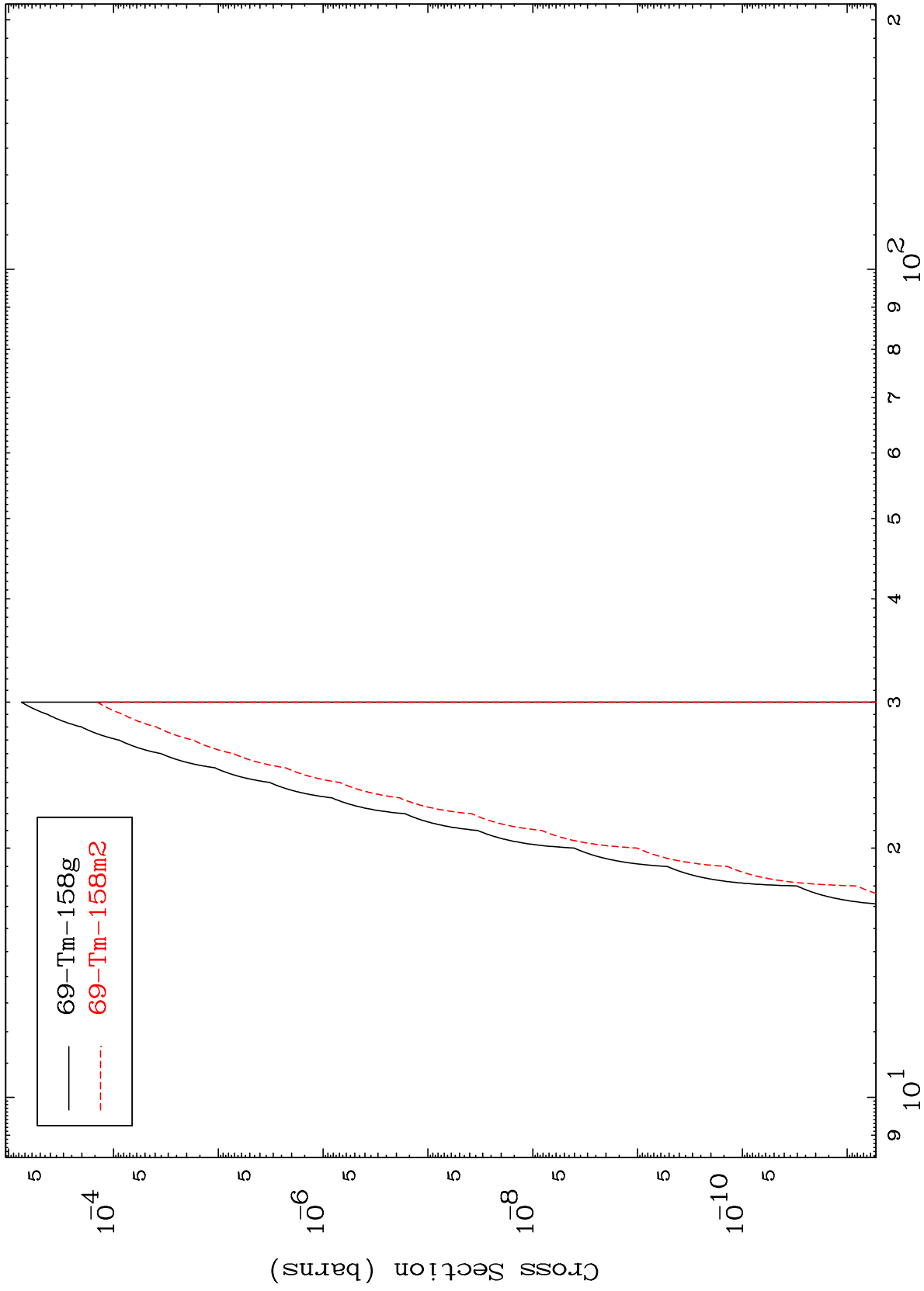
71-Lu-161

MAT 7083

(n, n') He-3

71-Lu-161

Radionuclide Production Cross Section

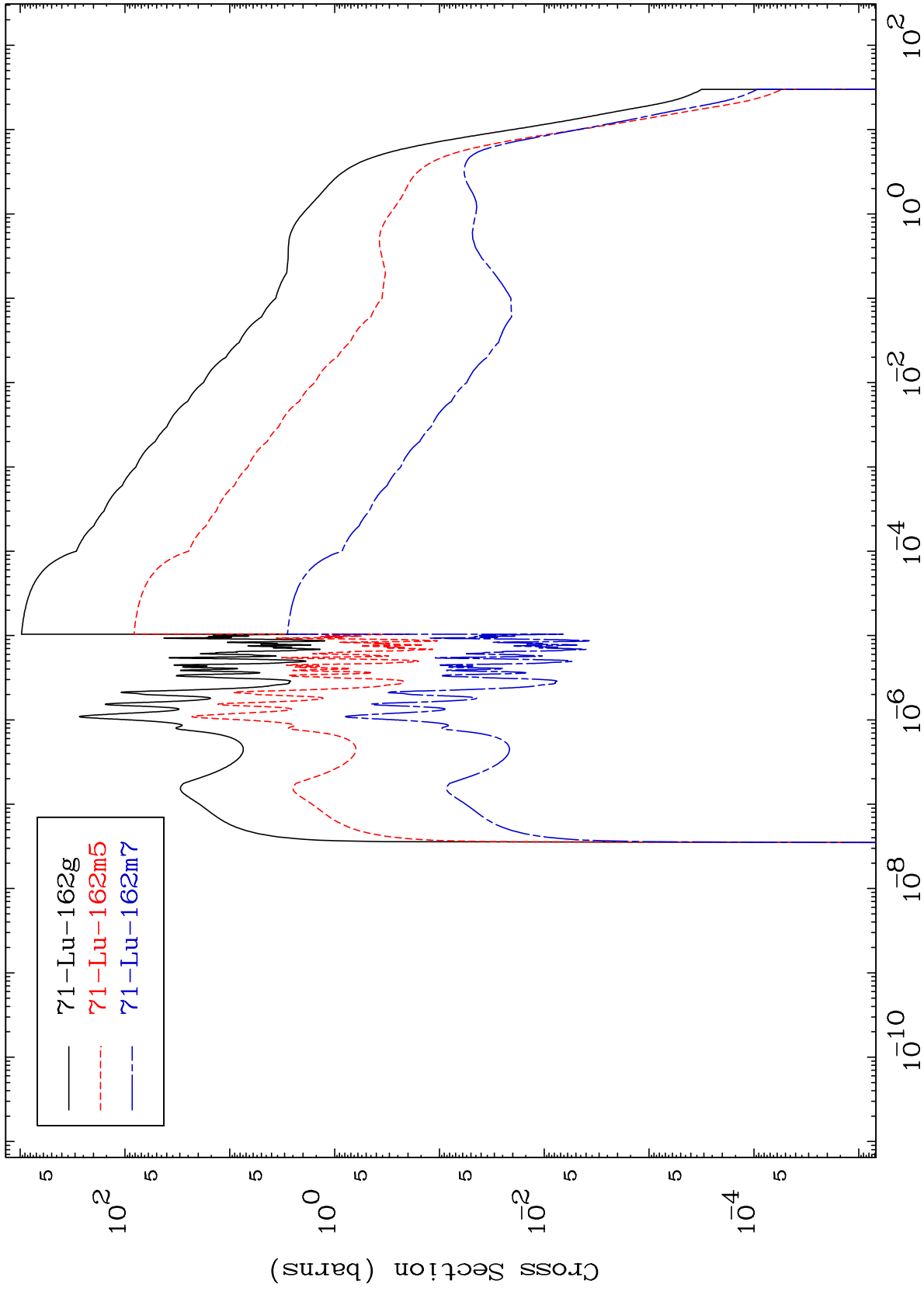


28

Incident Energy (MeV)

71-Lu-161

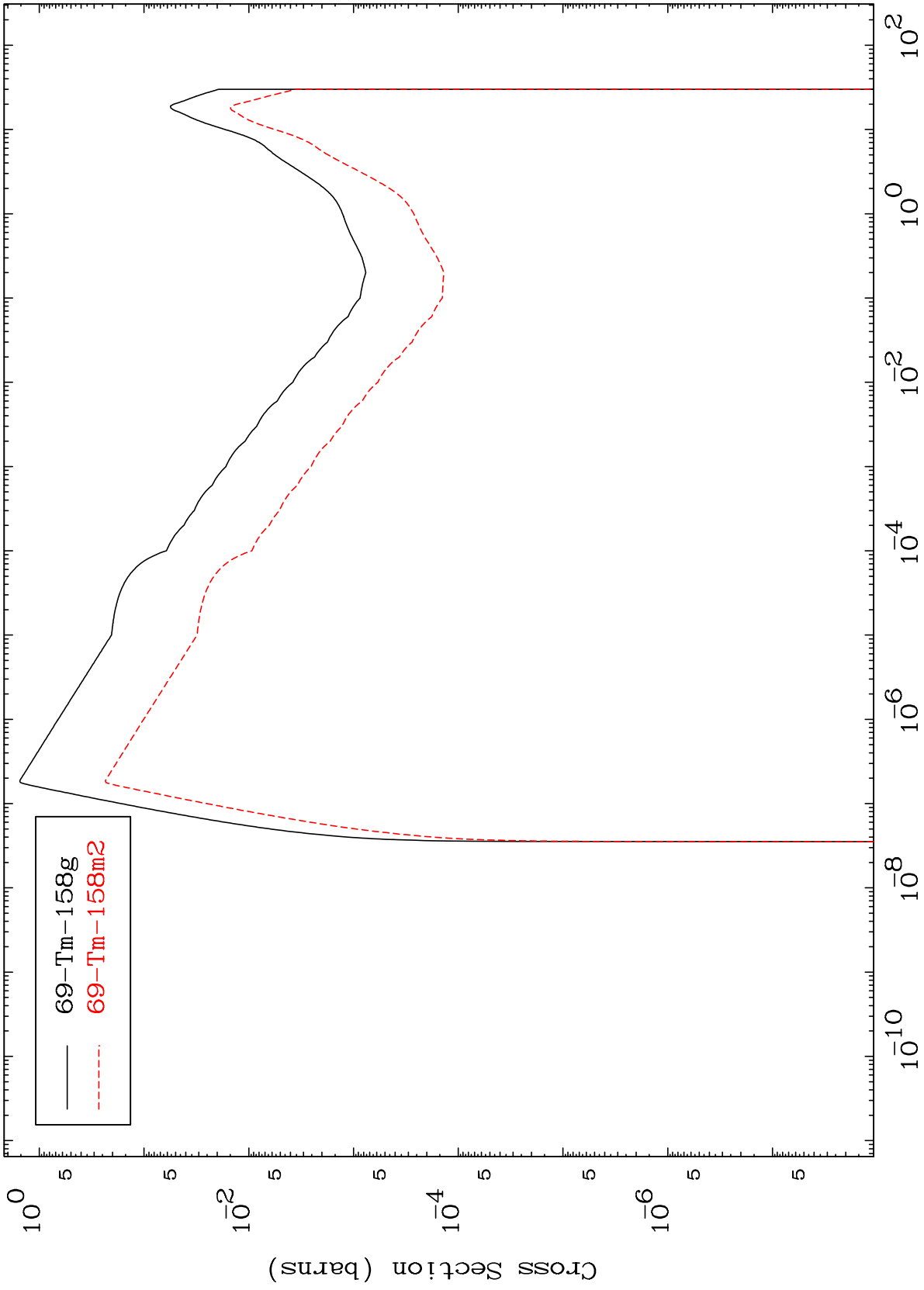
Radionuclide Production Cross Section (n,γ)



MAT 7083

71-Lu-161

(n,α)
Radionuclide Production Cross Section



30

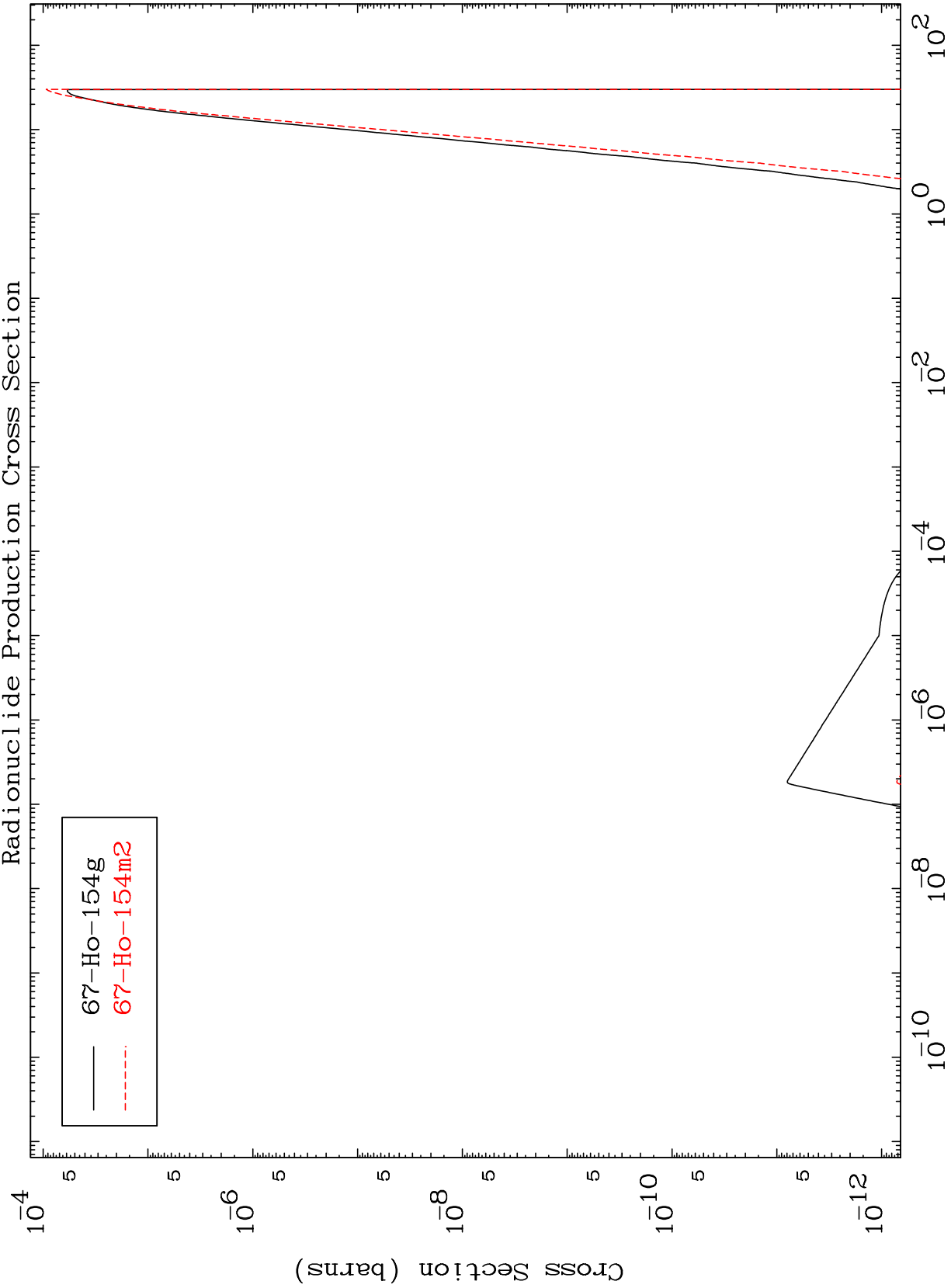
71-Lu-161

MAT 7083

(n,2α)

71-Lu-161

Radionuclide Production Cross Section



31

Incident Energy (MeV)

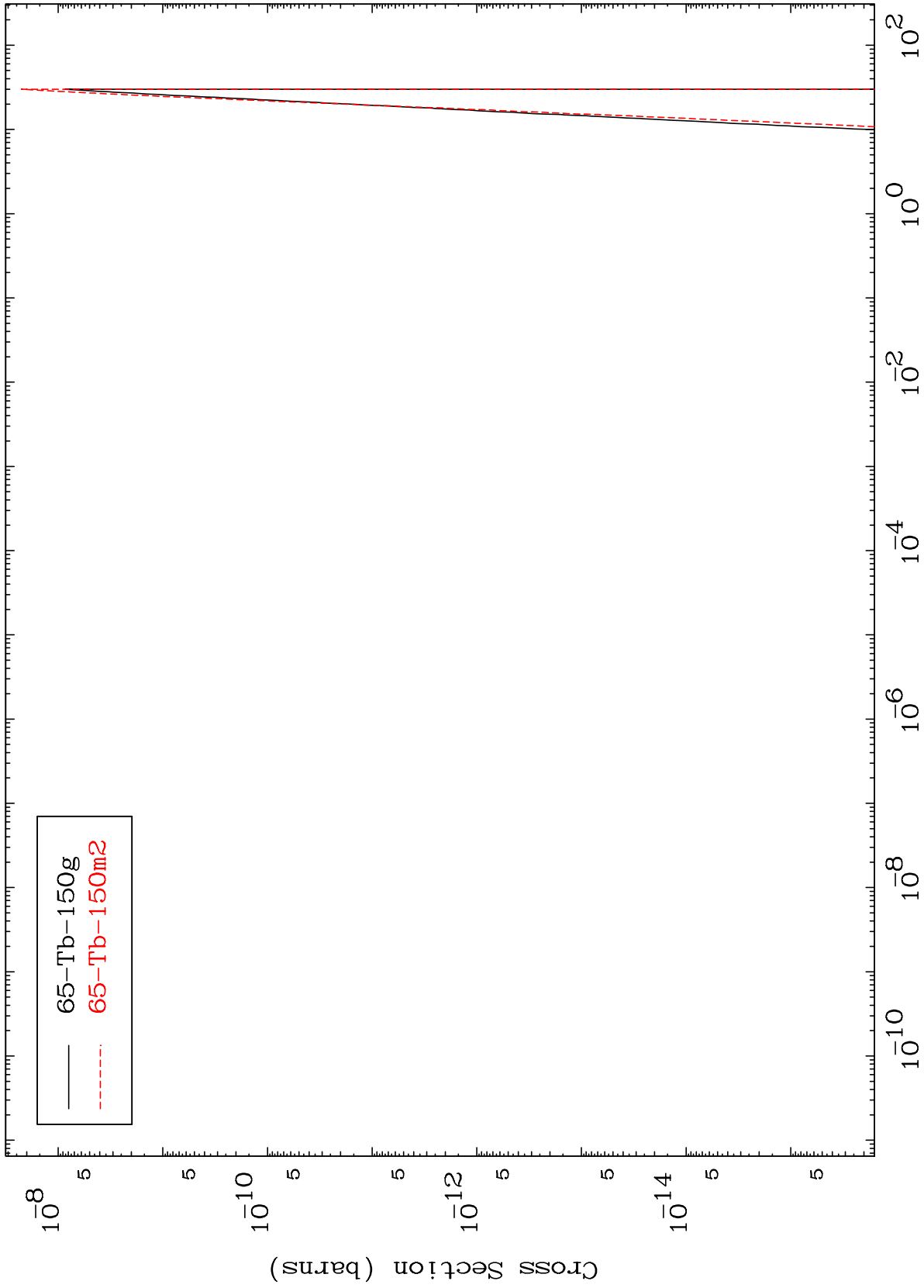
71-Lu-161

MAT 7083

(n,3α)

⁷¹Lu-161

Radionuclide Production Cross Section



32

Incident Energy (MeV)

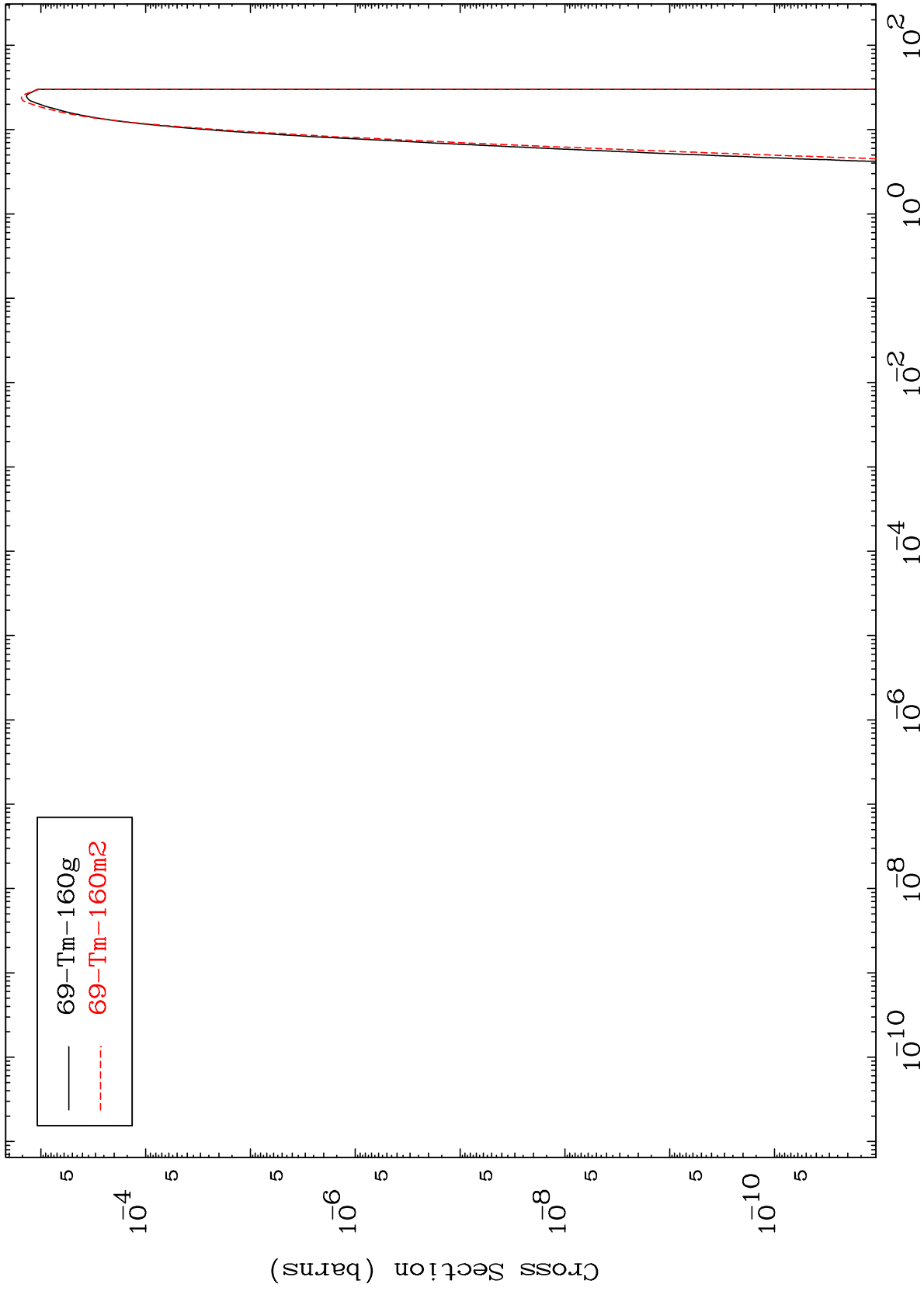
⁷¹Lu-161

MAT 7083

(n,2p)

71-Lu-161

Radionuclide Production Cross Section



33

Incident Energy (MeV)

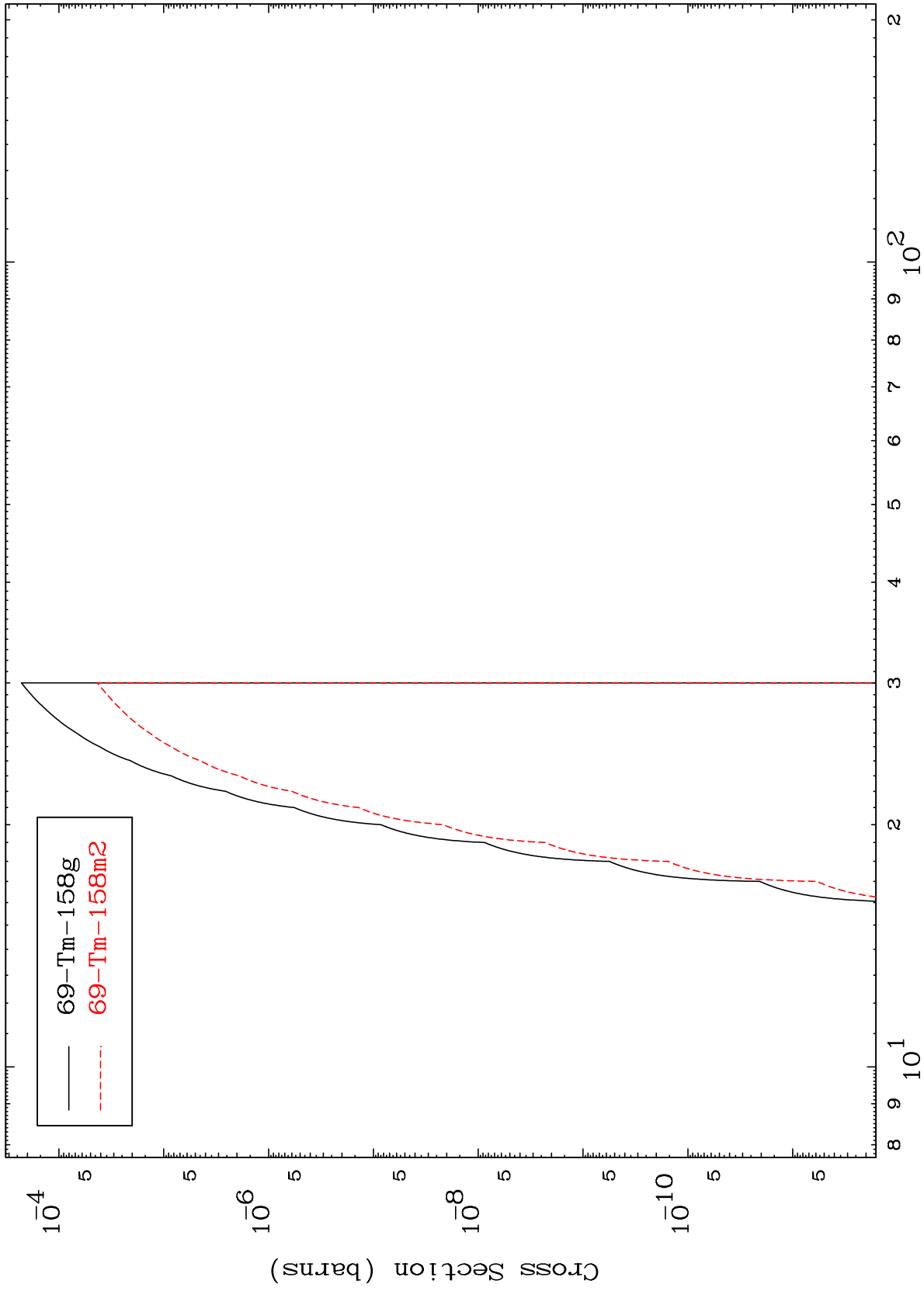
71-Lu-161

MAT 7083

(n,p) t

71-Lu-161

Radionuclide Production Cross Section



34

Incident Energy (MeV)

71-Lu-161