

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

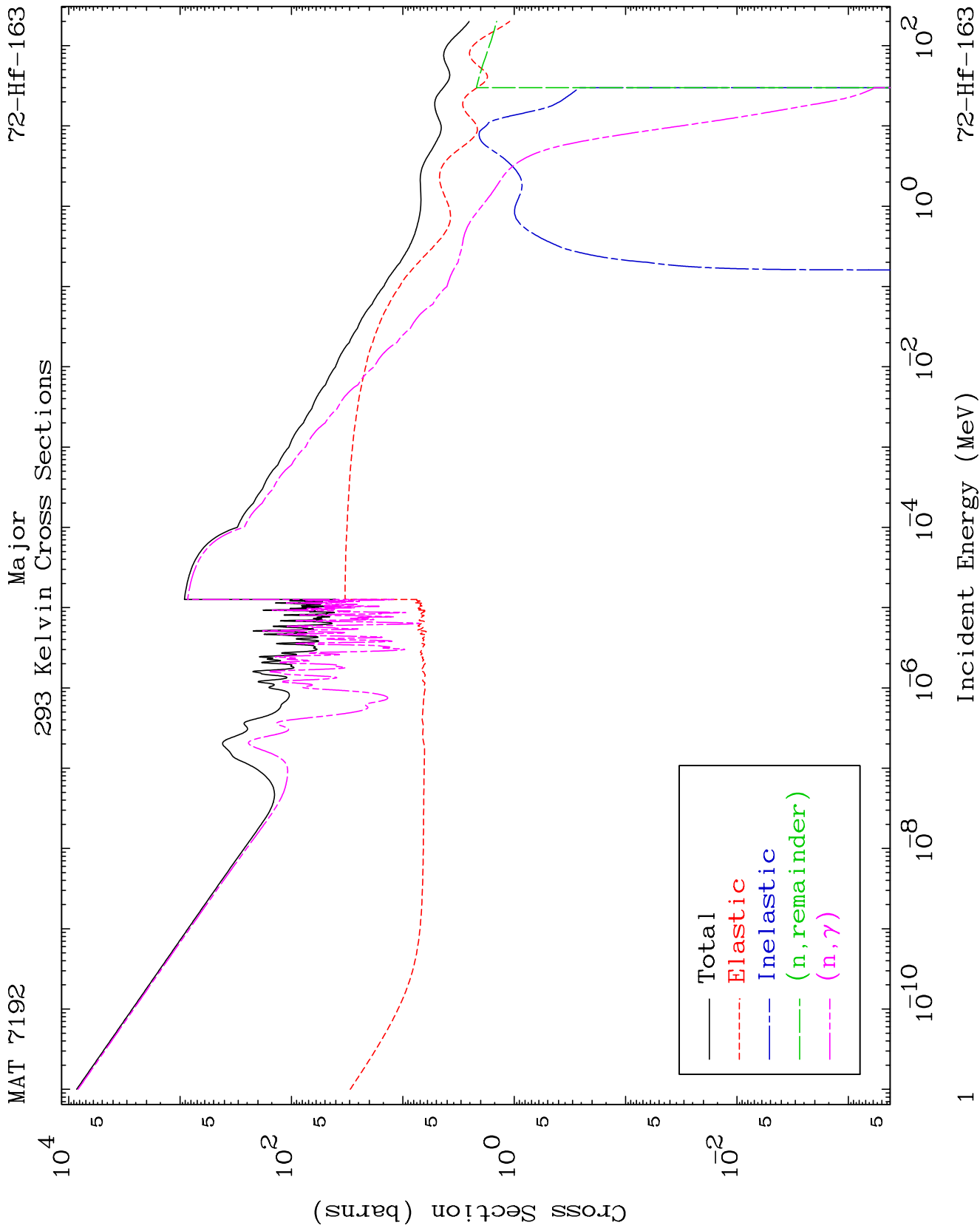
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

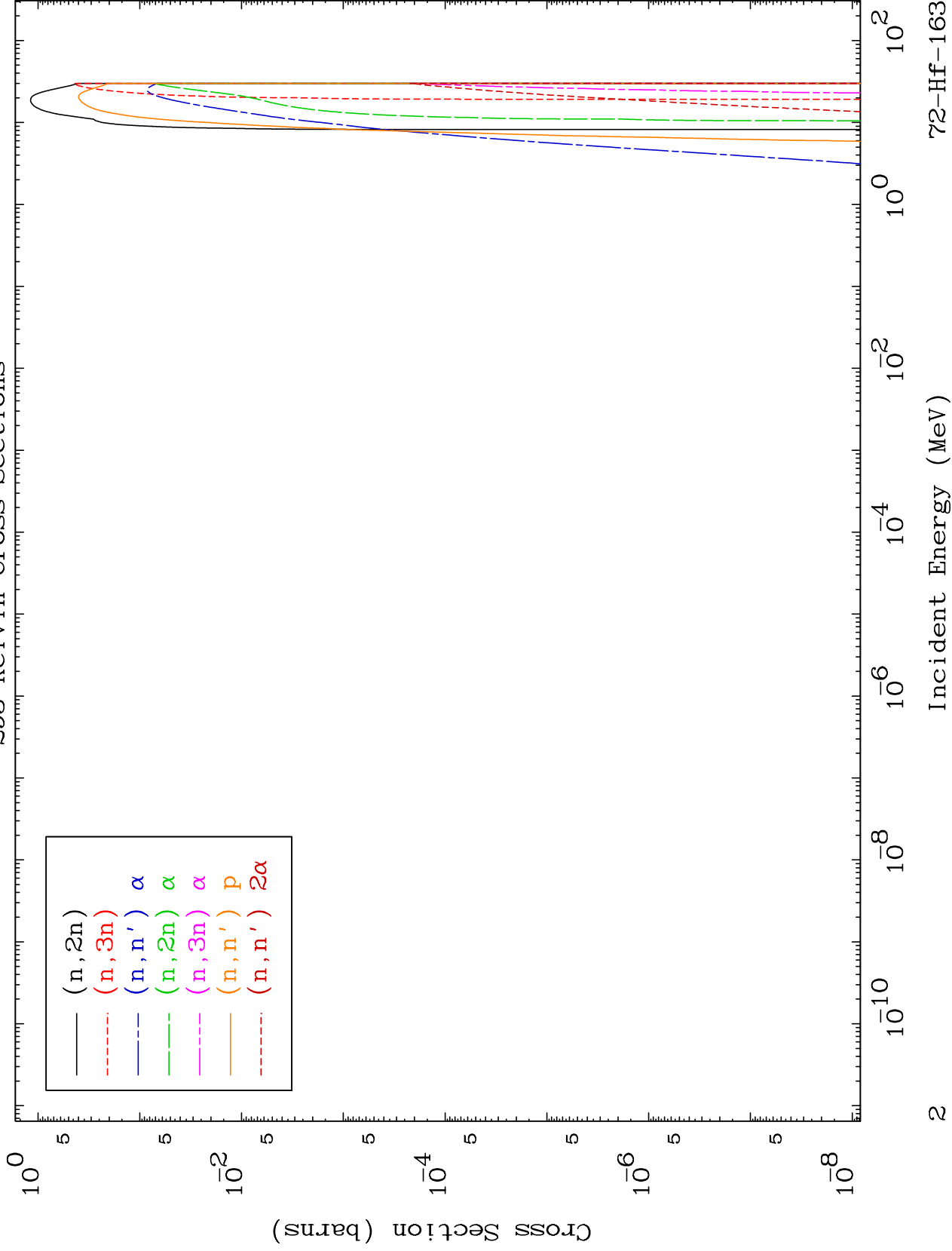
Press Mouse Button to Start



MAT 7192

Neutron Production
293 Kelvin Cross Sections

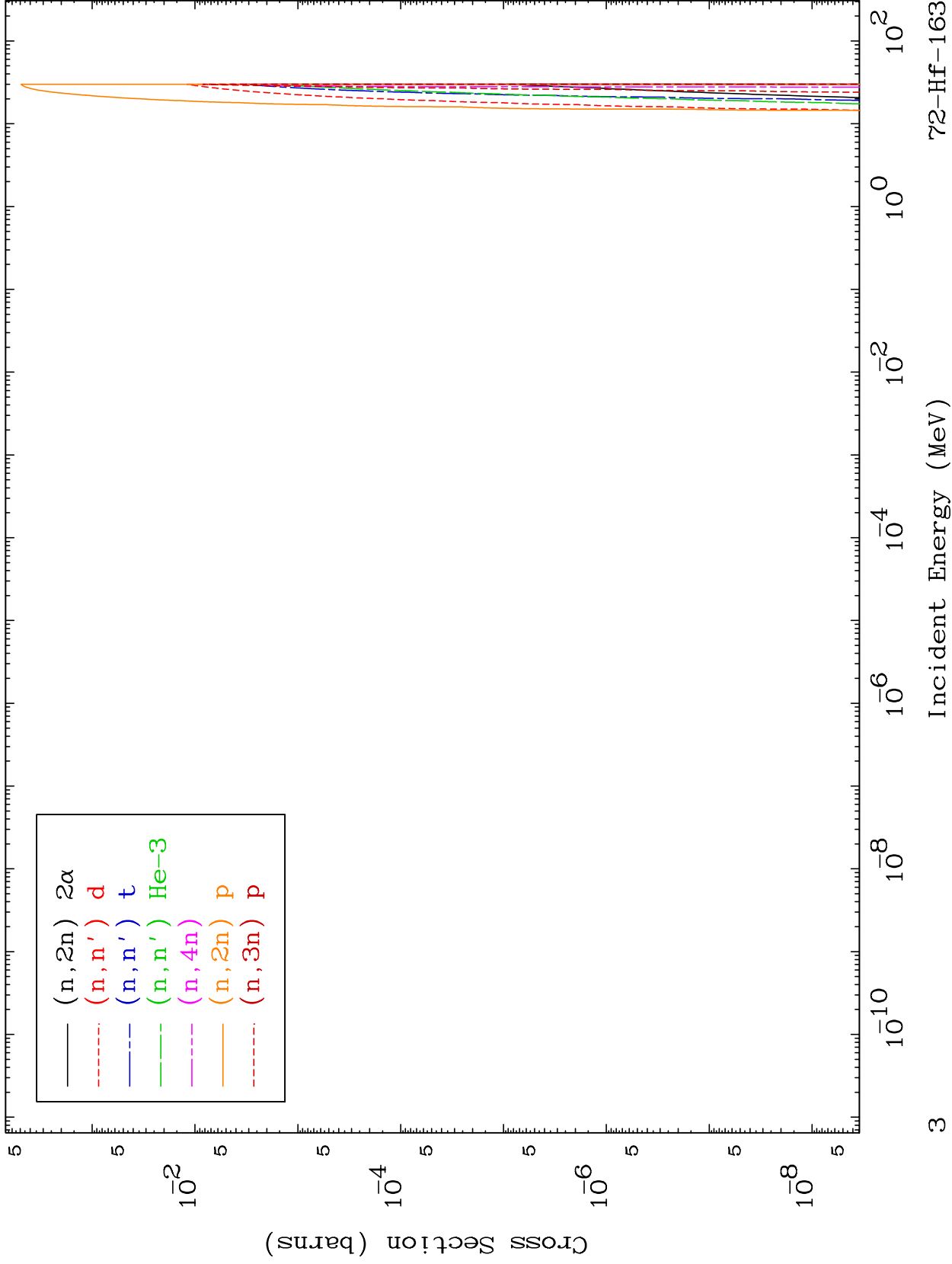
72-Hf-163



MAT 7192

Neutron Production
293 Kelvin Cross Sections

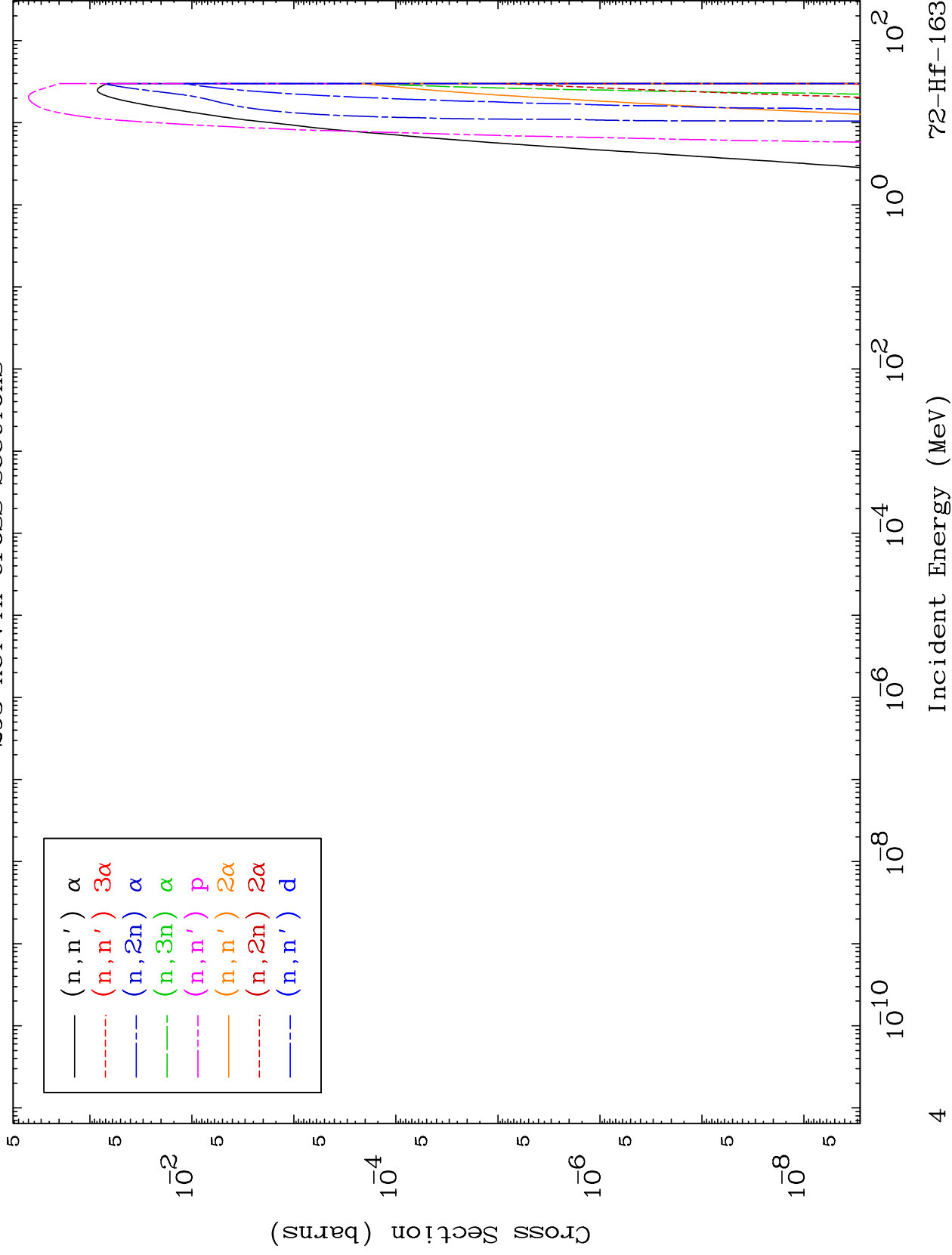
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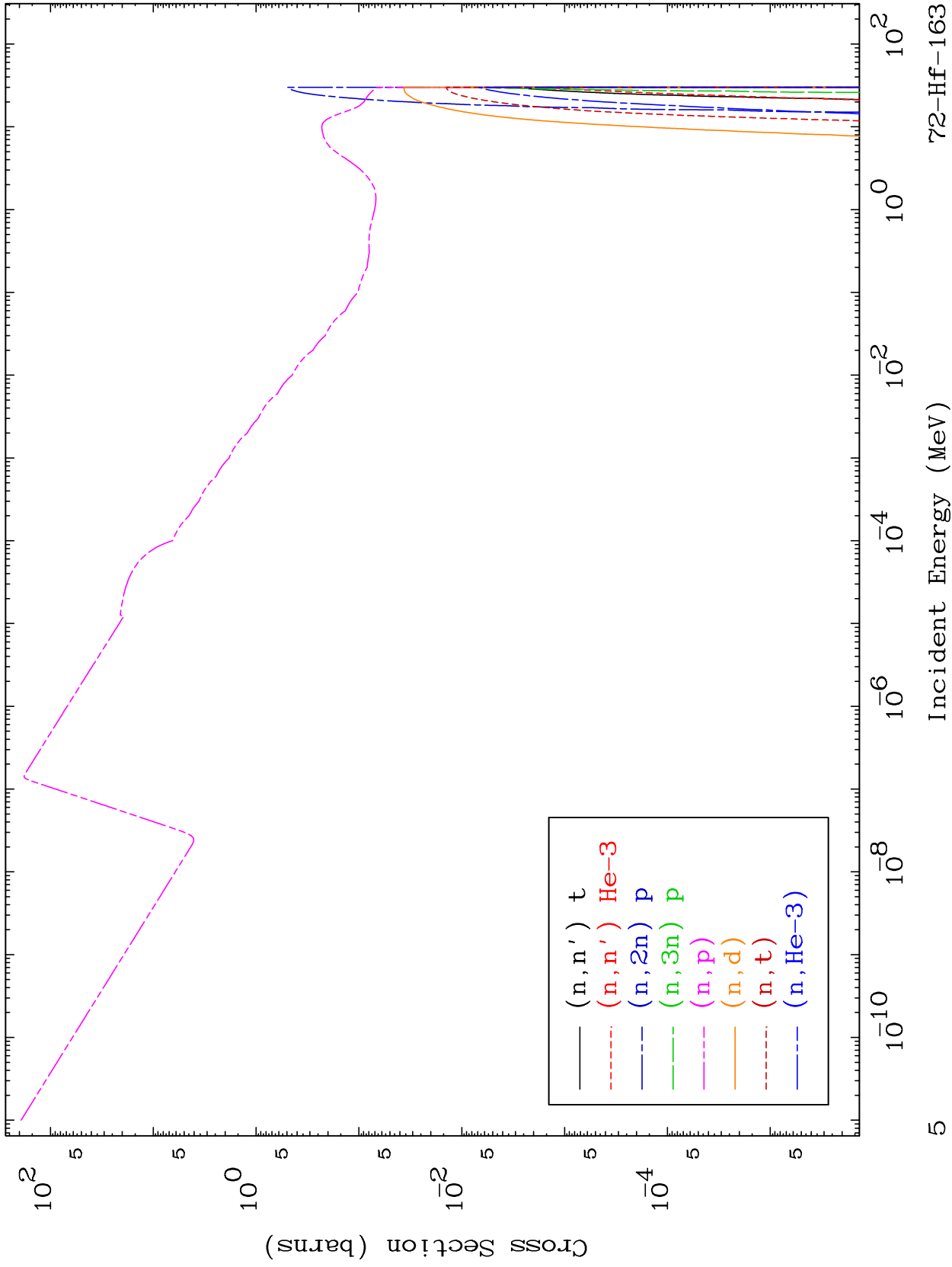


MAT 7192

Charged Particle
293 Kelvin Cross Sections

72-Hf-163

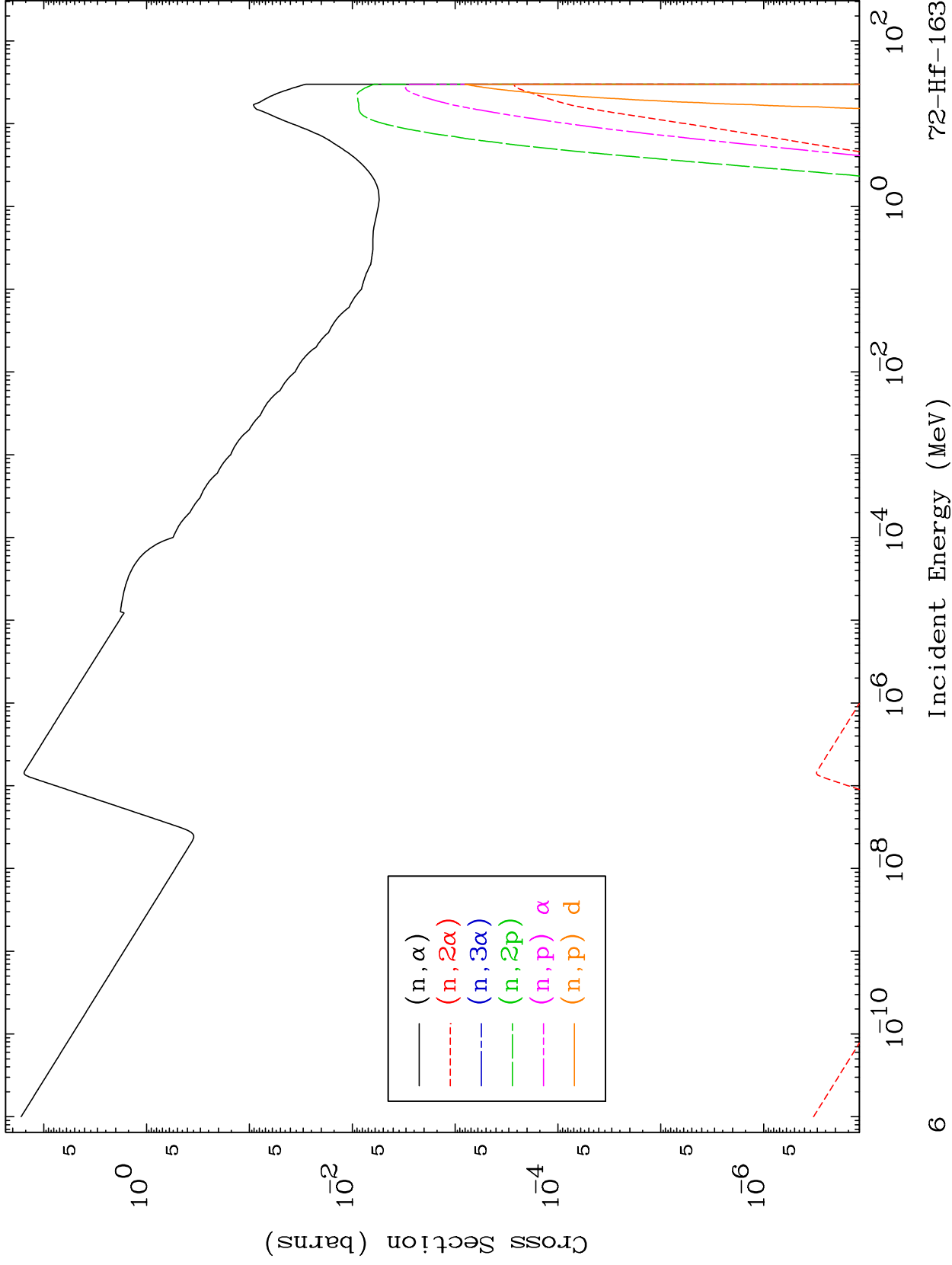


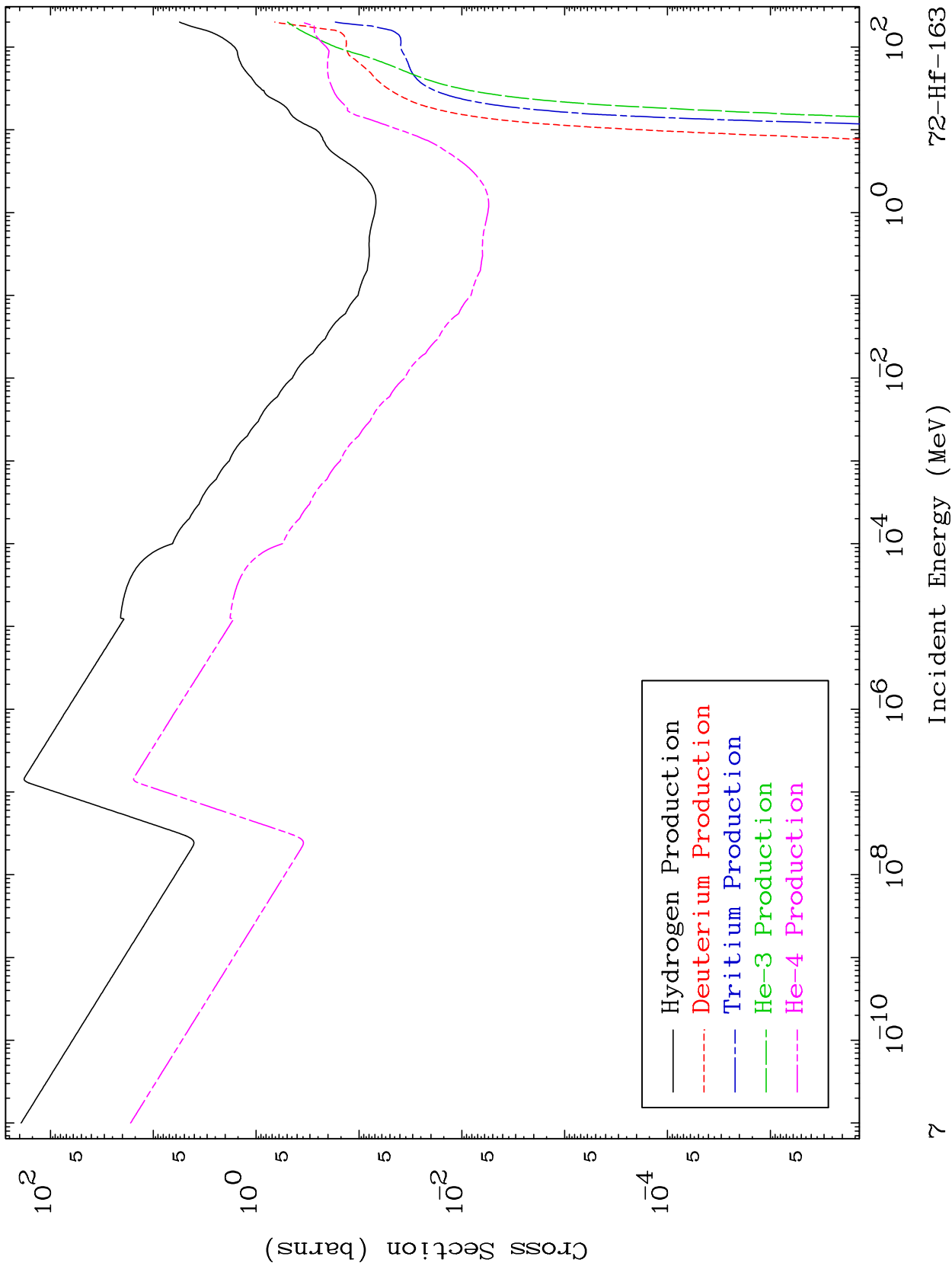


MAT 7192

Charged Particle
293 Kelvin Cross Sections

72-Hf-163

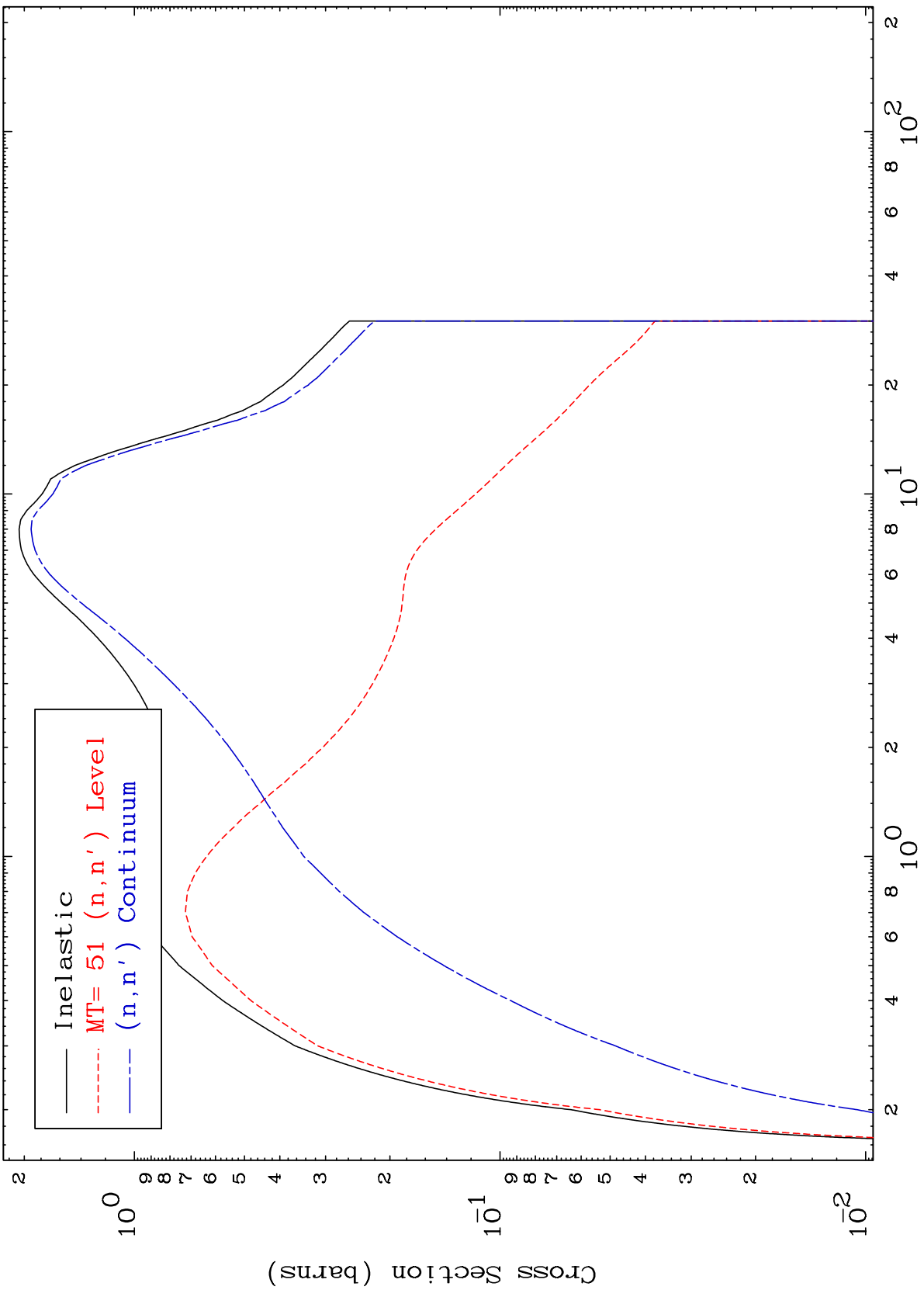




MAT 7192

72-Hf-163

(n,n') Level
293 Kelvin Cross Sections



— Inelastic
- - - MT= 51 (n,n') Level
- . - (n,n') Continuum

72-Hf-163

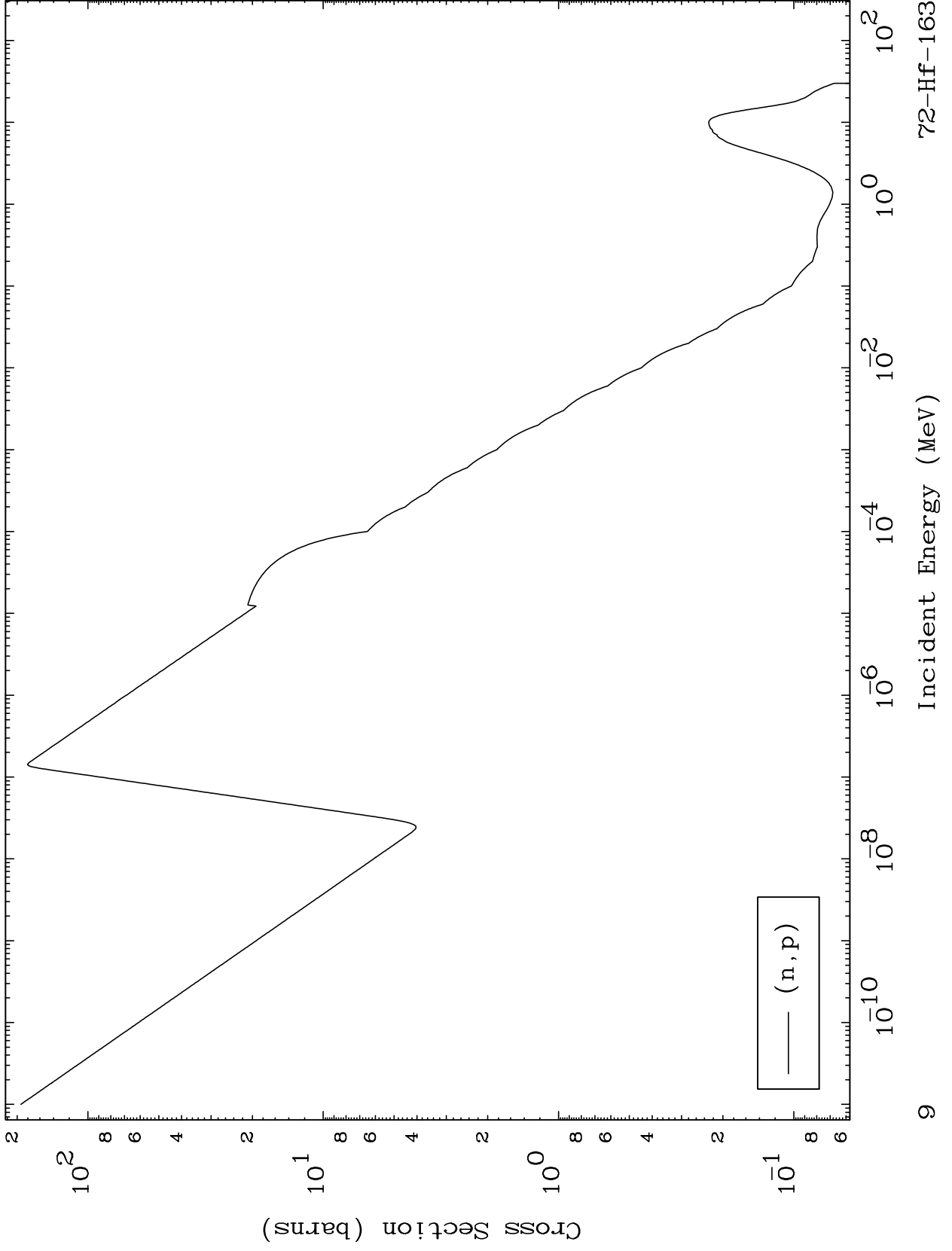
Incident Energy (MeV)

8

MAT 7192

(n,p) Levels
293 Kelvin Cross Sections

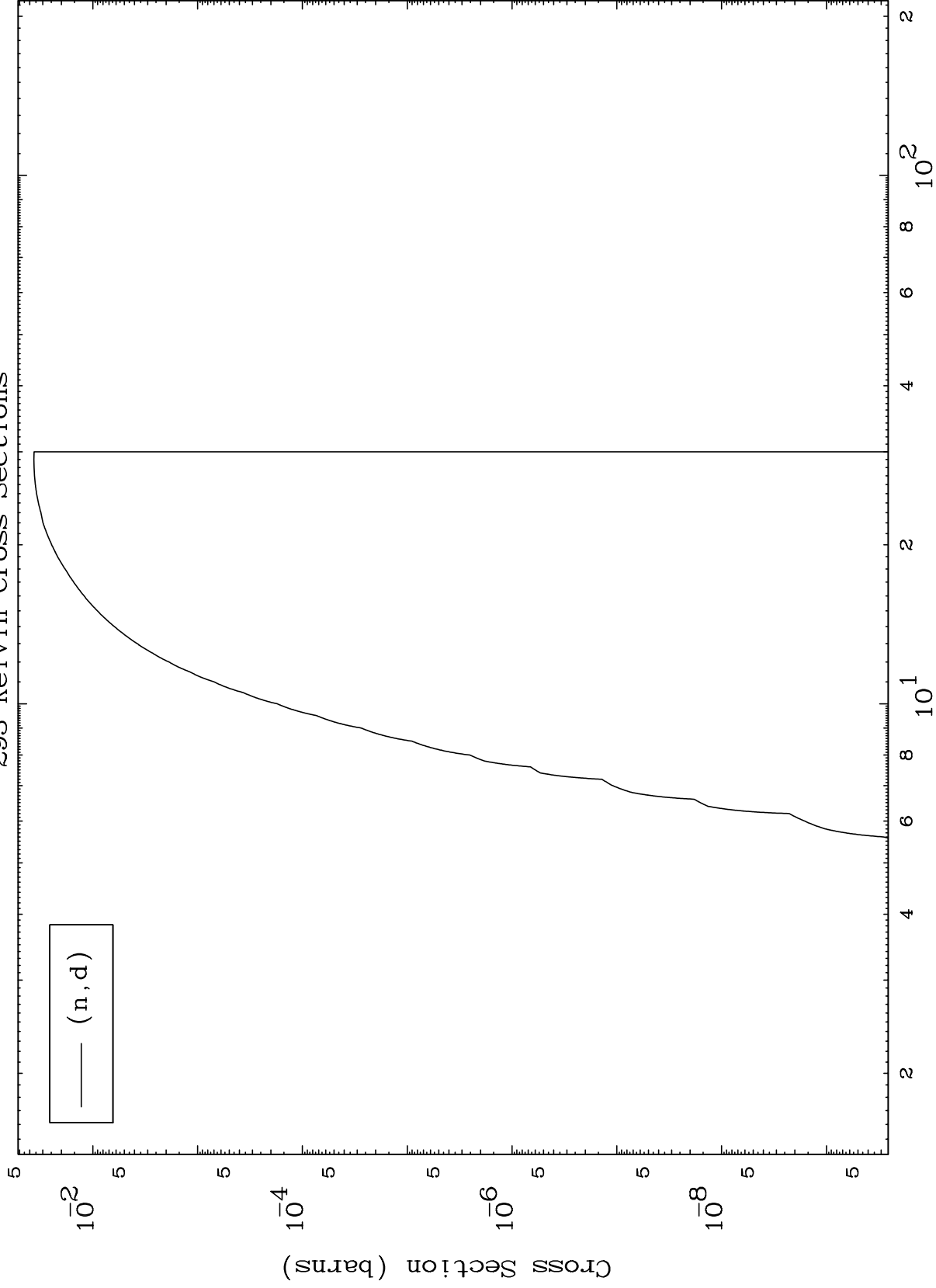
72-Hf-163



MAT 7192

(n,d) Levels
293 Kelvin Cross Sections

72-Hf-163



10

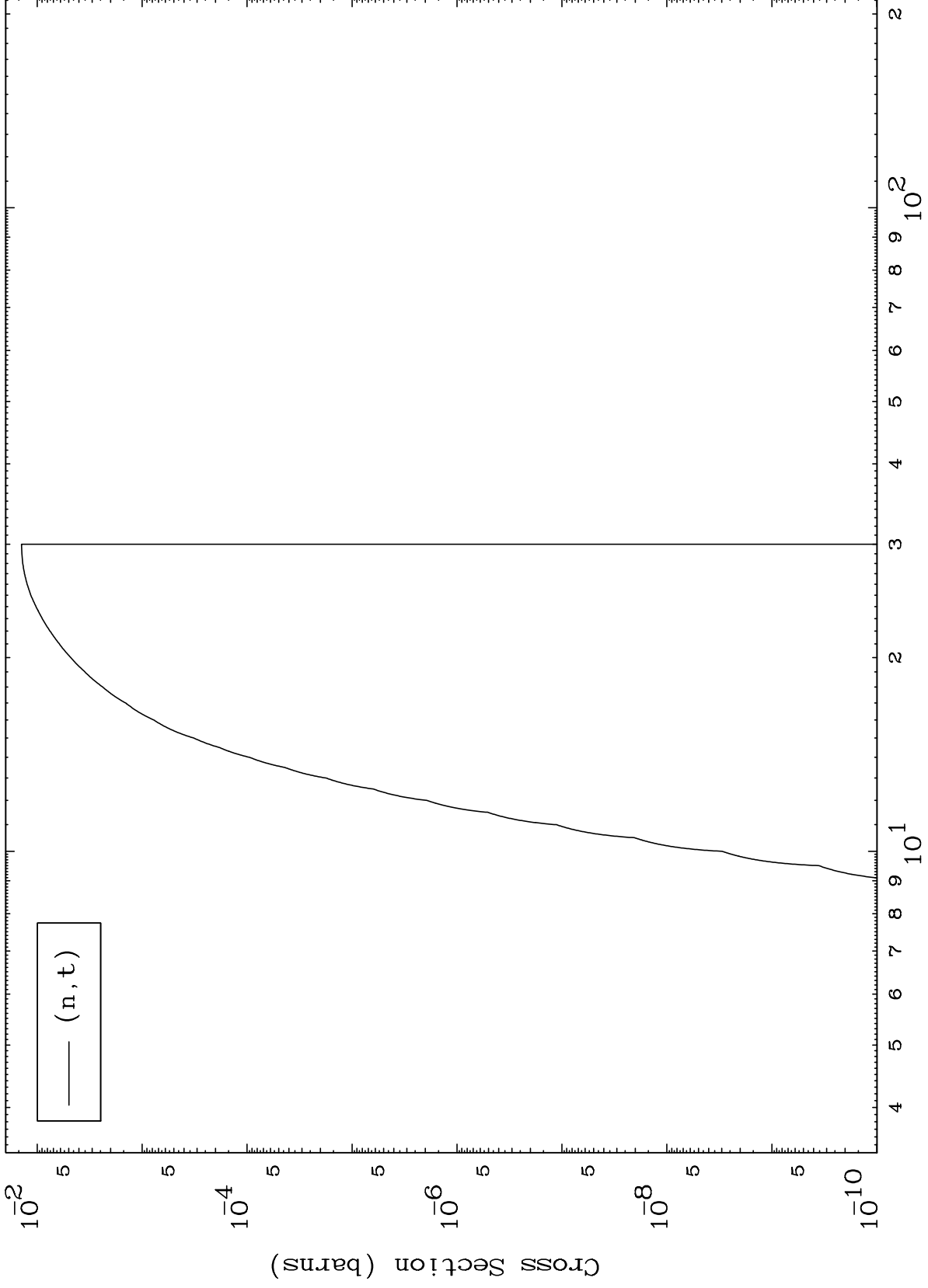
Incident Energy (MeV)

72-Hf-163

MAT 7192

(n,t) Levels
293 Kelvin Cross Sections

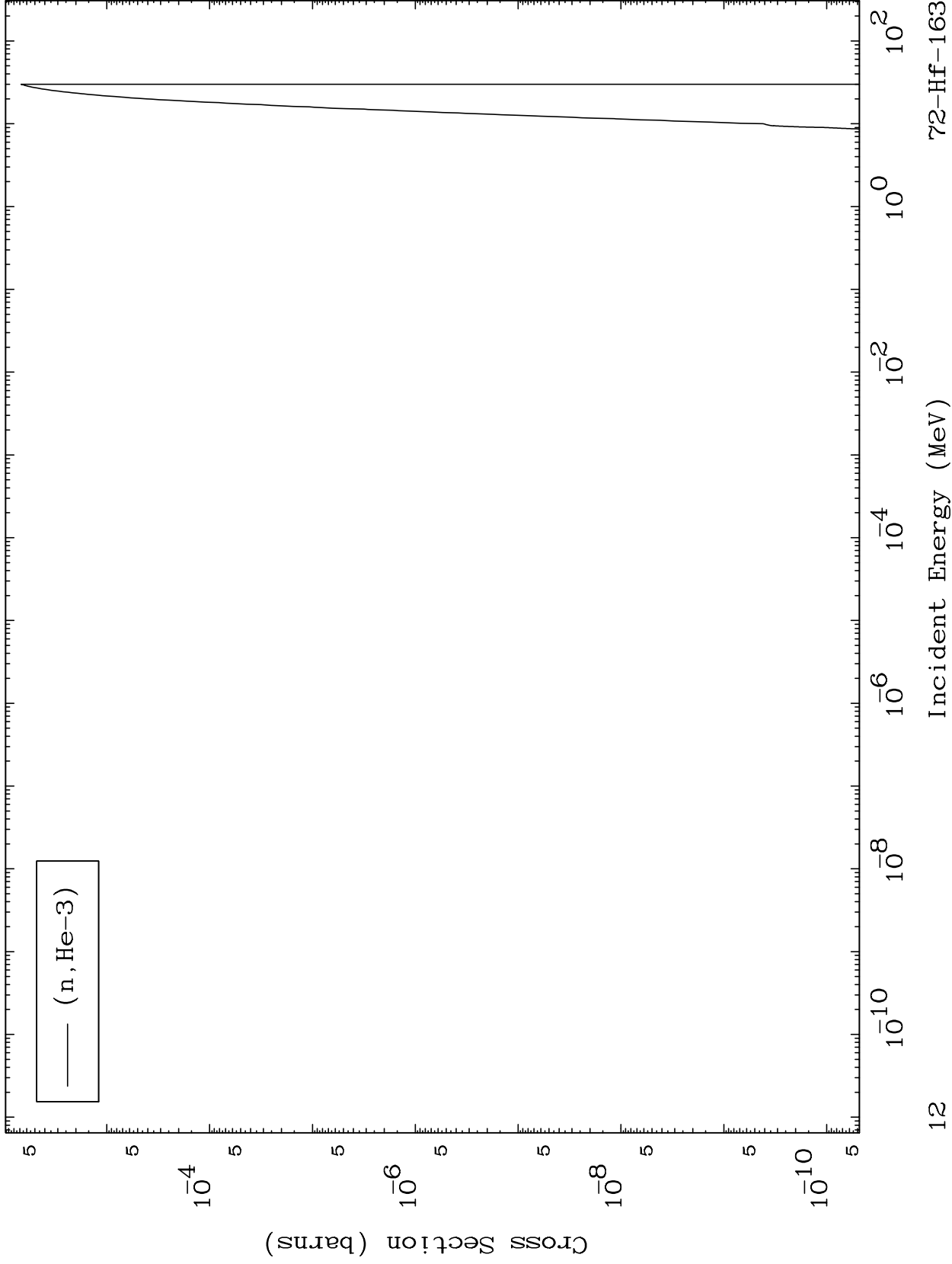
72-Hf-163



MAT 7192

(n,He3) Levels
293 Kelvin Cross Sections

72-Hf-163



12

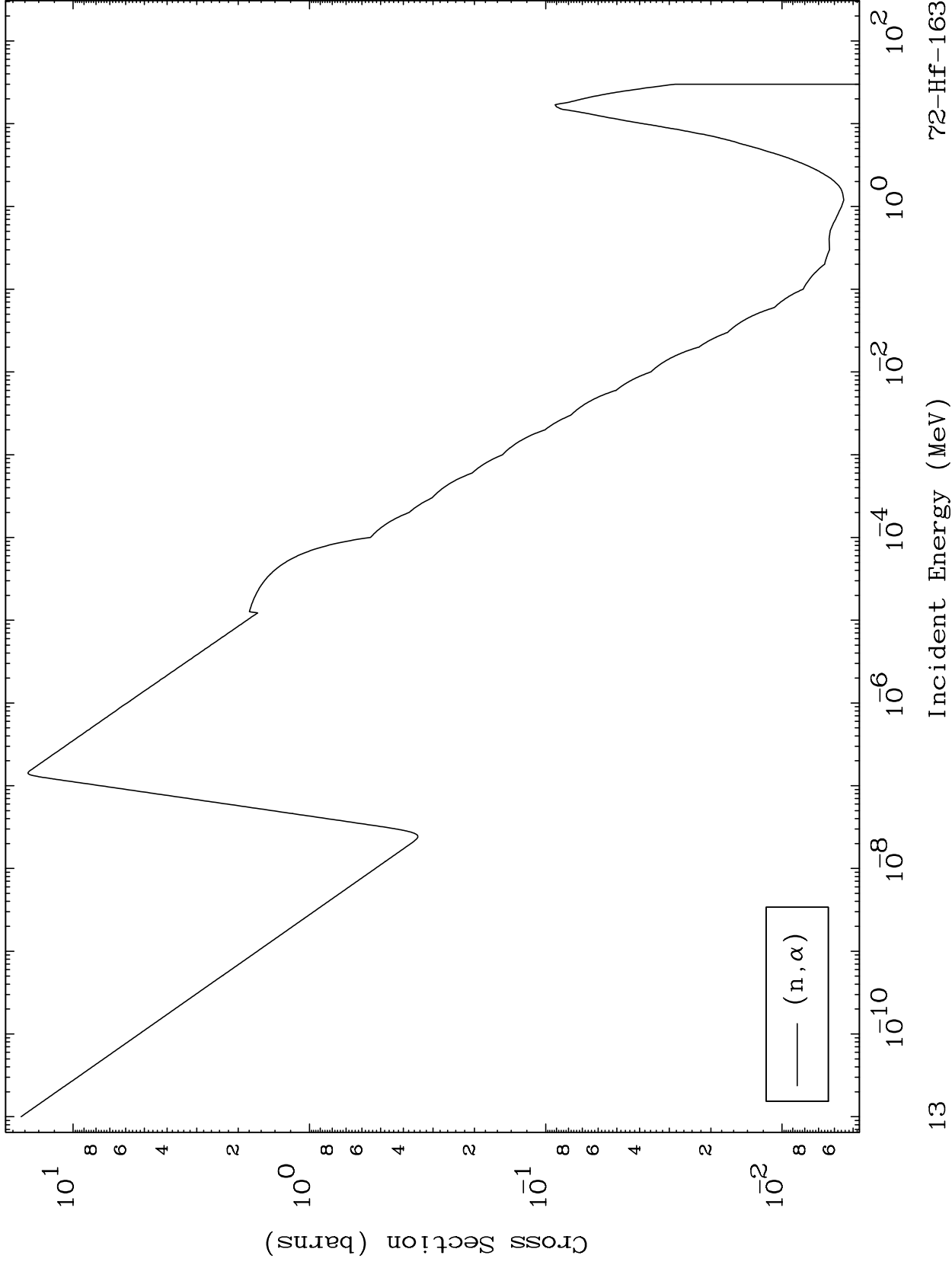
Incident Energy (MeV)

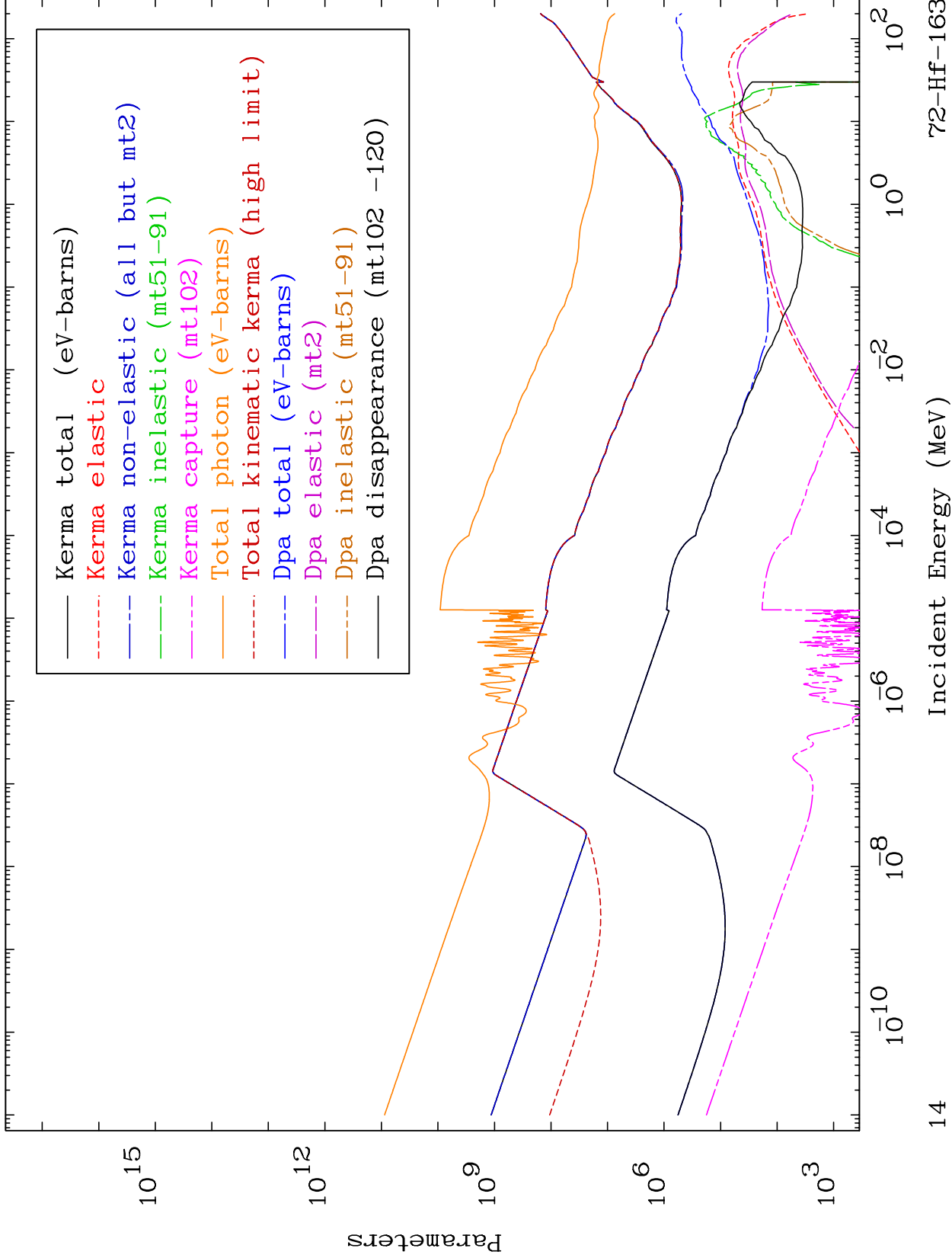
72-Hf-163

MAT 7192

(n,α) Levels
293 Kelvin Cross Sections

72-Hf-163

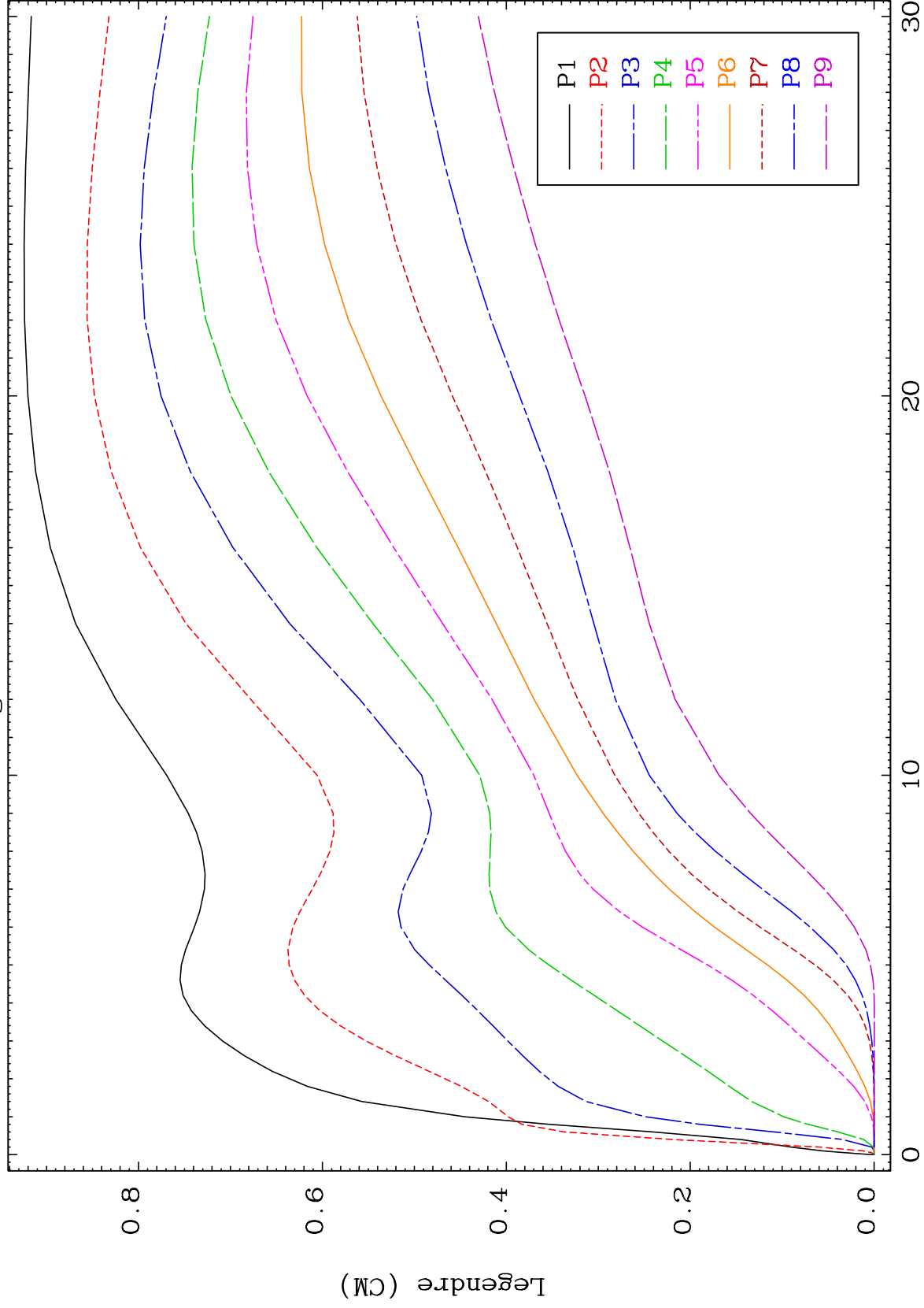




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Elastic Legendre Coefficients

72-Hf-163



15

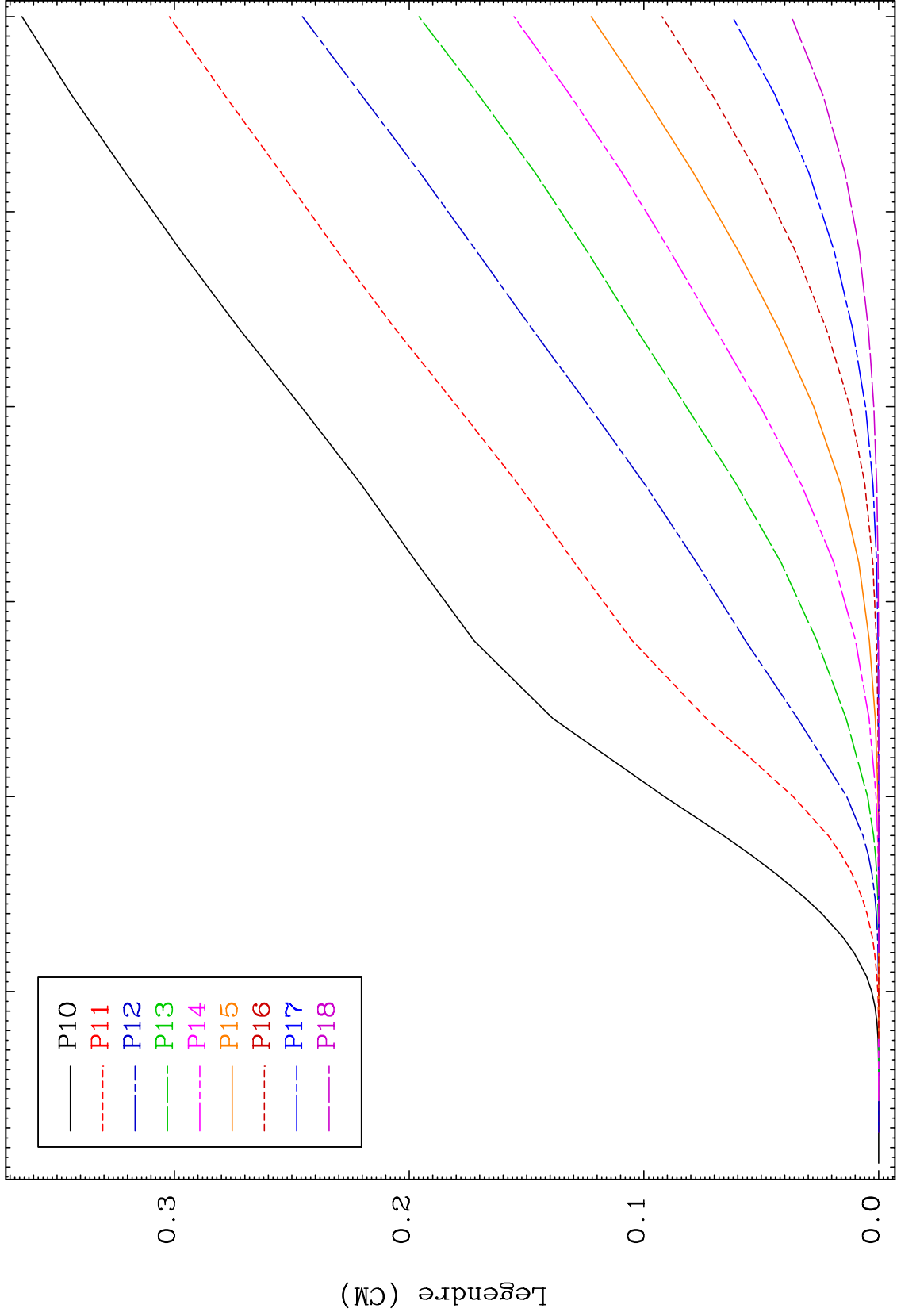
Incident Energy (MeV)

72-Hf-163

MAT 7192

Elastic Legendre Coefficients

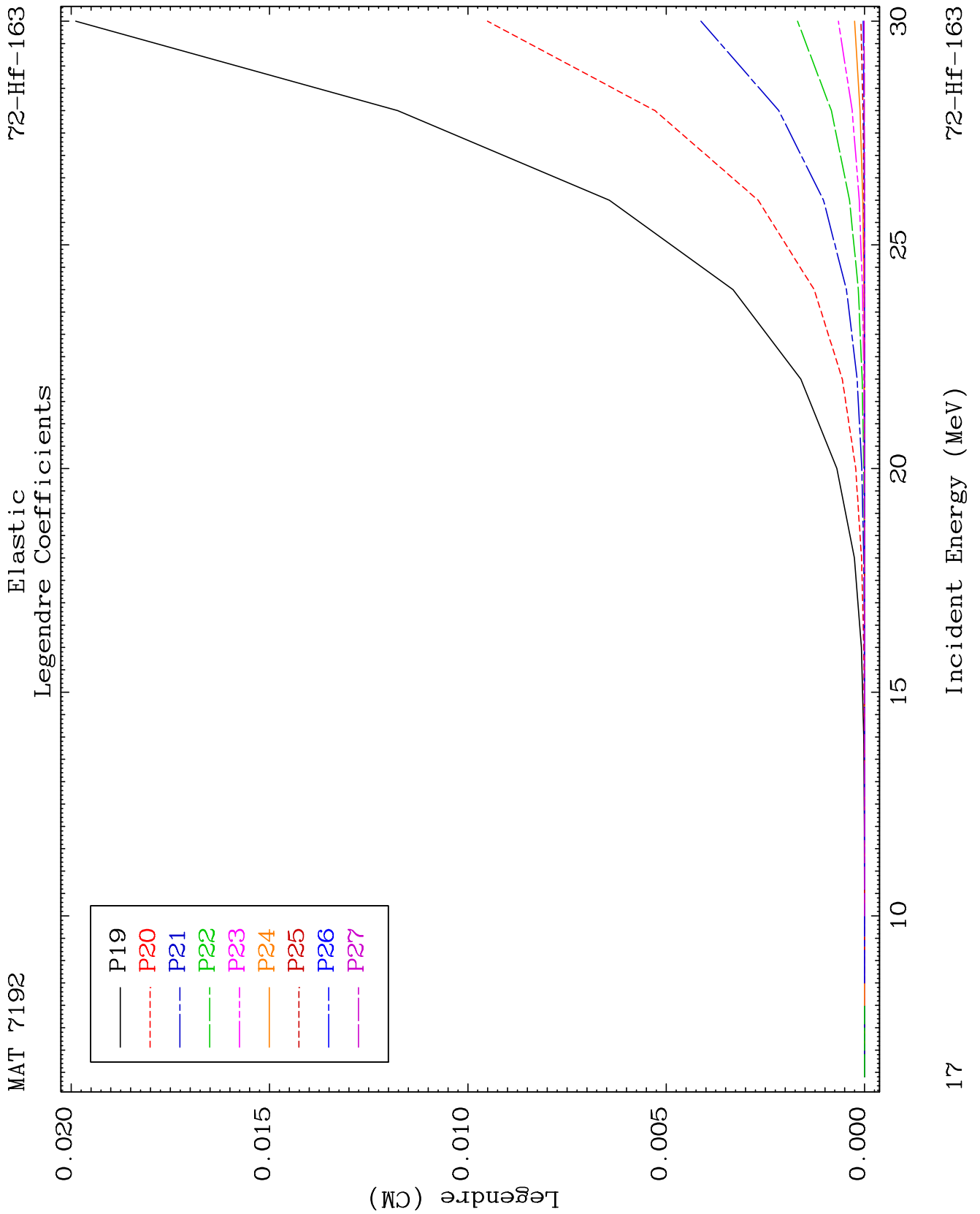
72-Hf-163



16

Incident Energy (MeV)

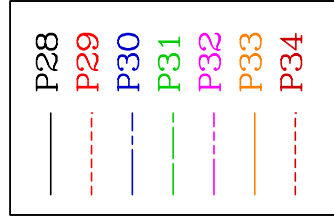
72-Hf-163



MAT 7192

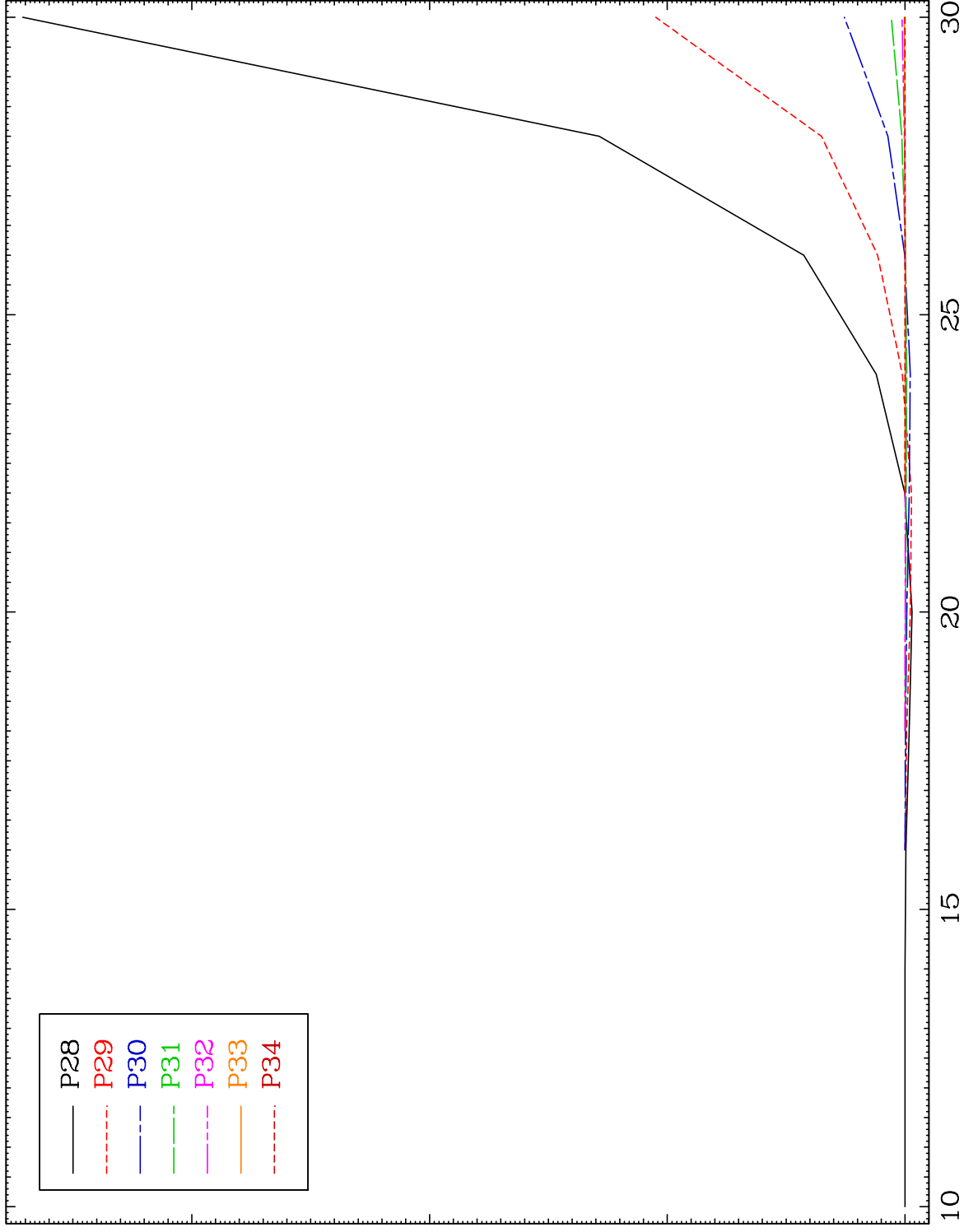
Elastic
Legendre Coefficients

72-Hf-163



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

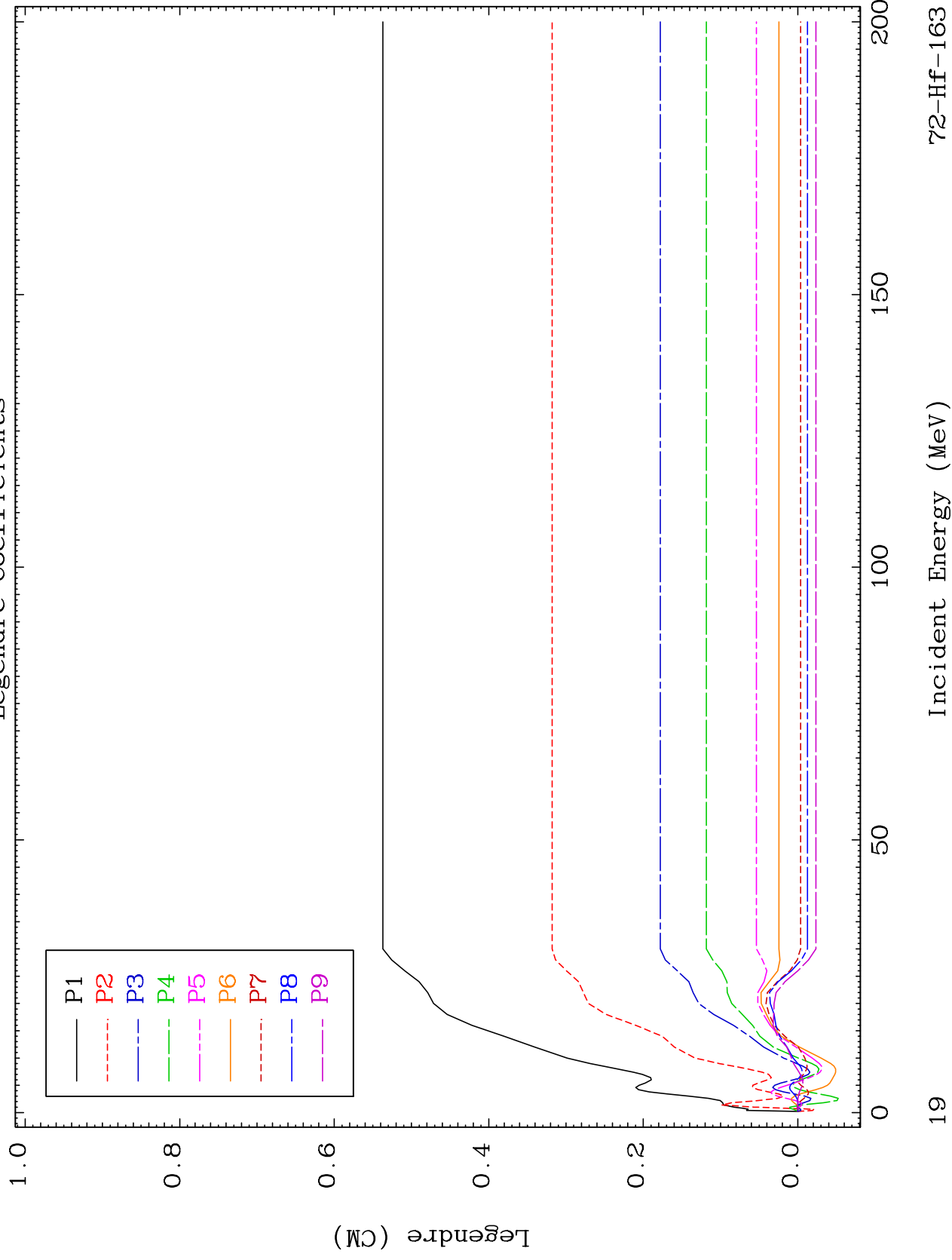
Incident Energy (MeV)

72-Hf-163

MAT 7192

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

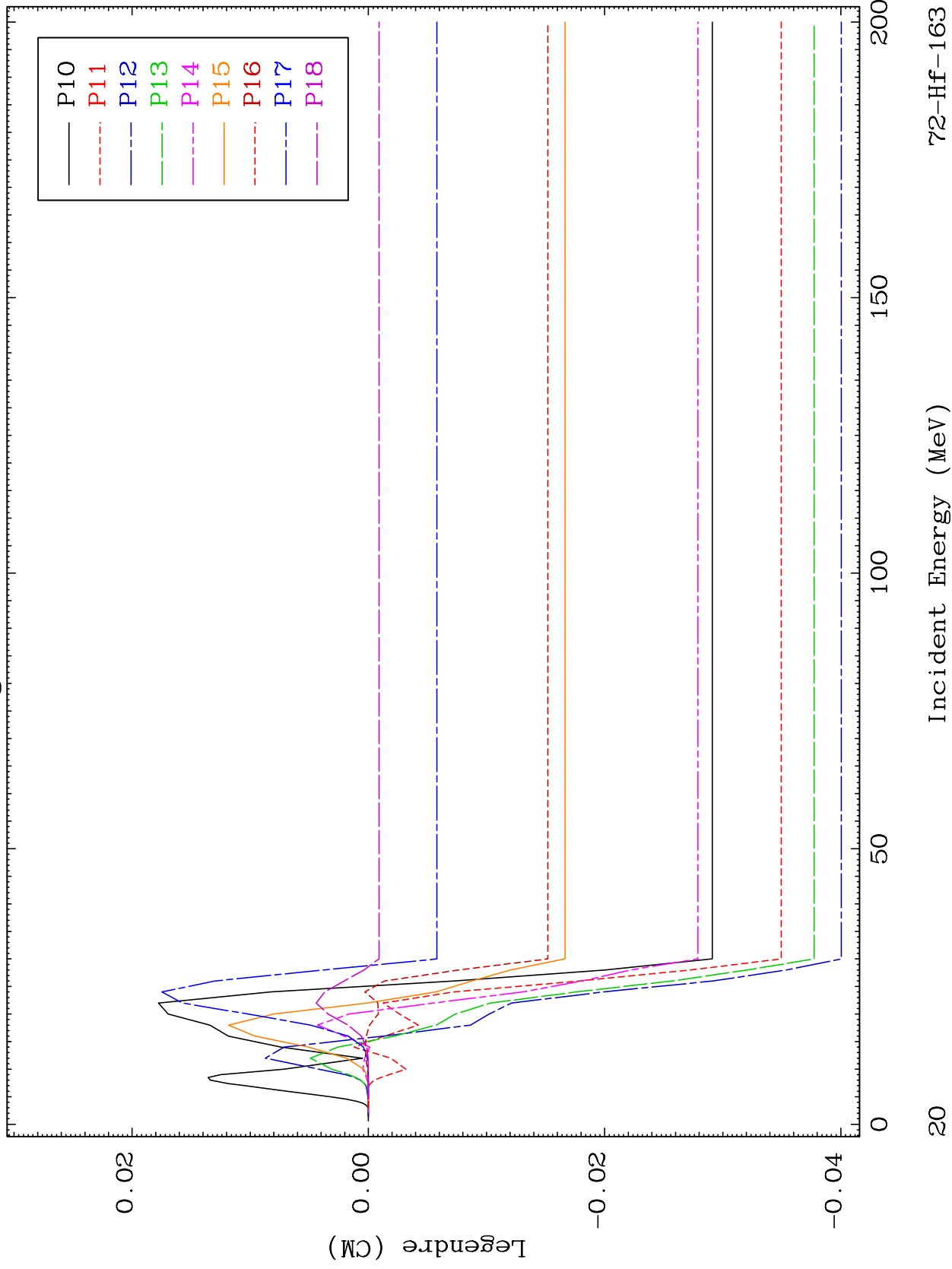
72-Hf-163



MAT 7192

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

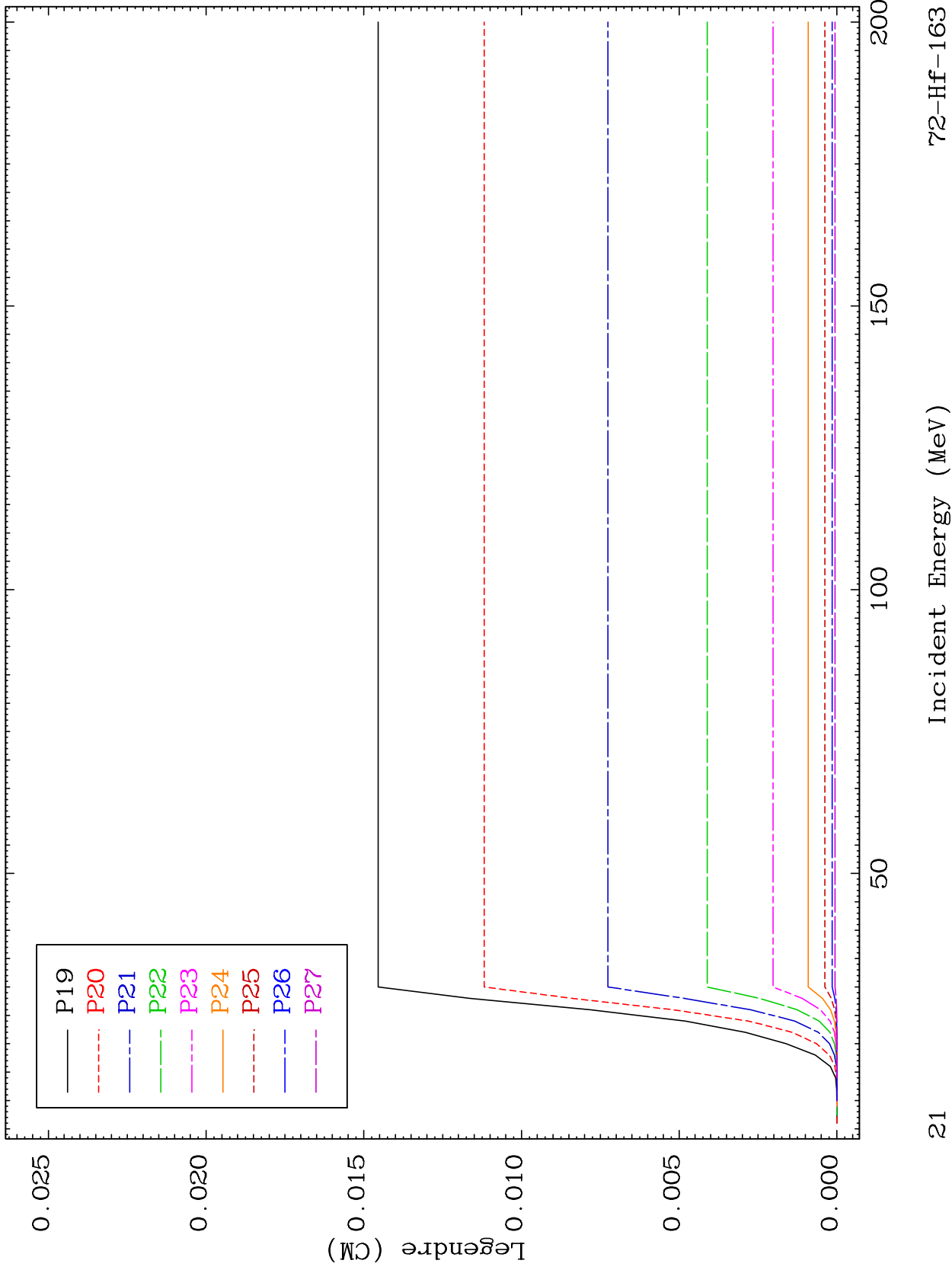
72-Hf-163



72-Hf-163

Incident Energy (MeV)

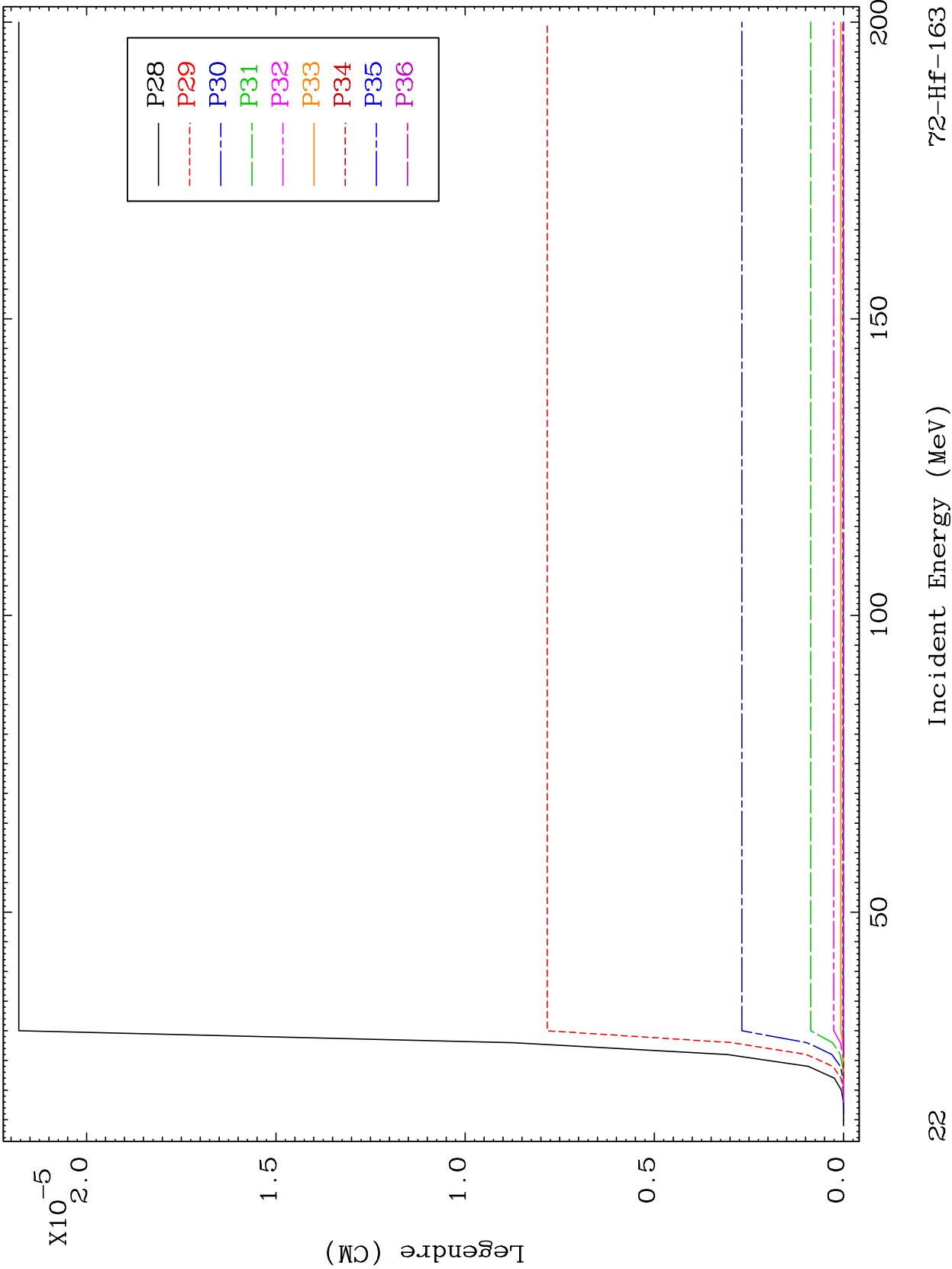
20



MAT 7192

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

72-Hf-163



22

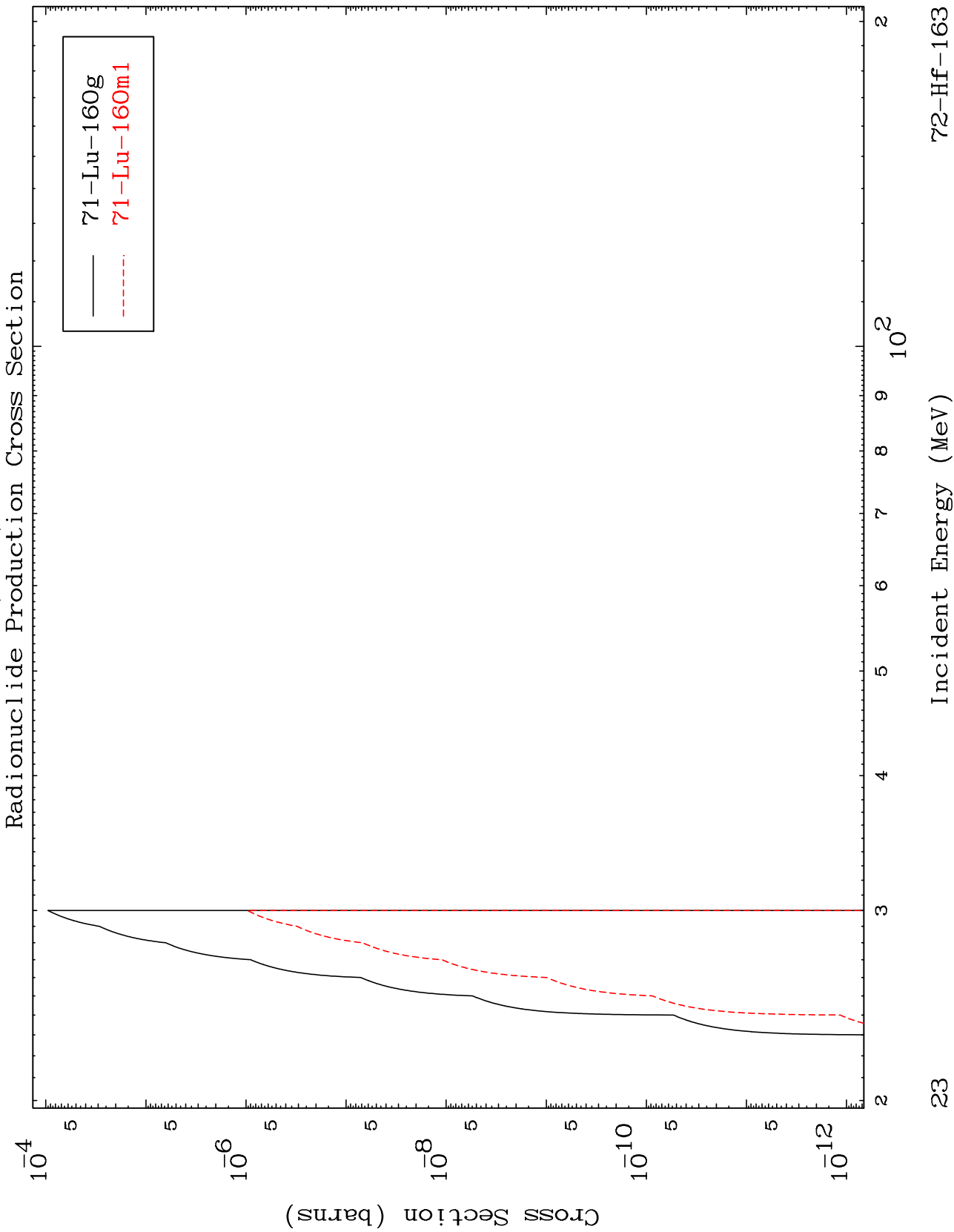
Incident Energy (MeV)

72-Hf-163

MAT 7192

(n,2n) d

72-Hf-163



23

Incident Energy (MeV)

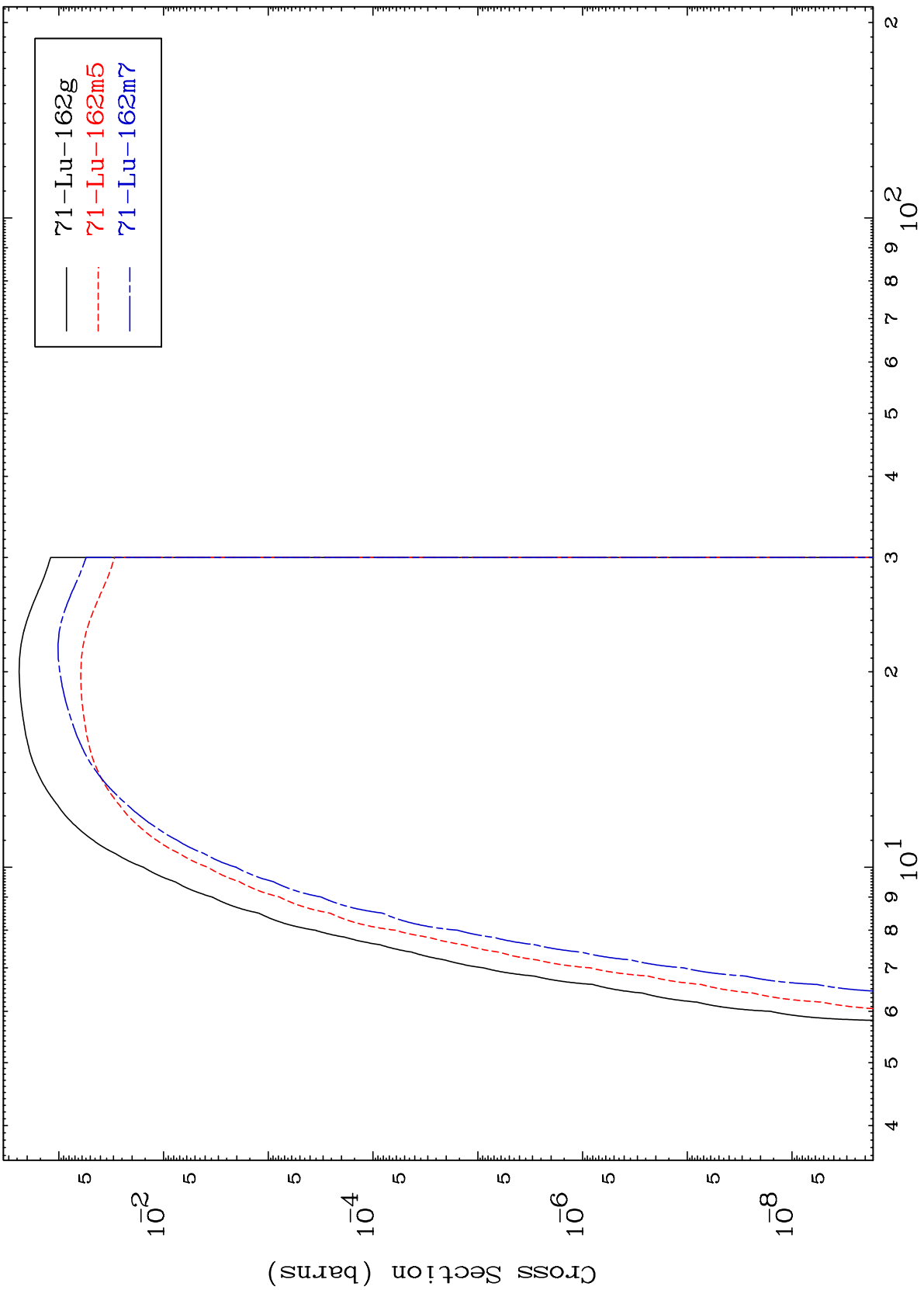
72-Hf-163

MAT 7192

(n,n') p

72-Hf-163

Radionuclide Production Cross Section

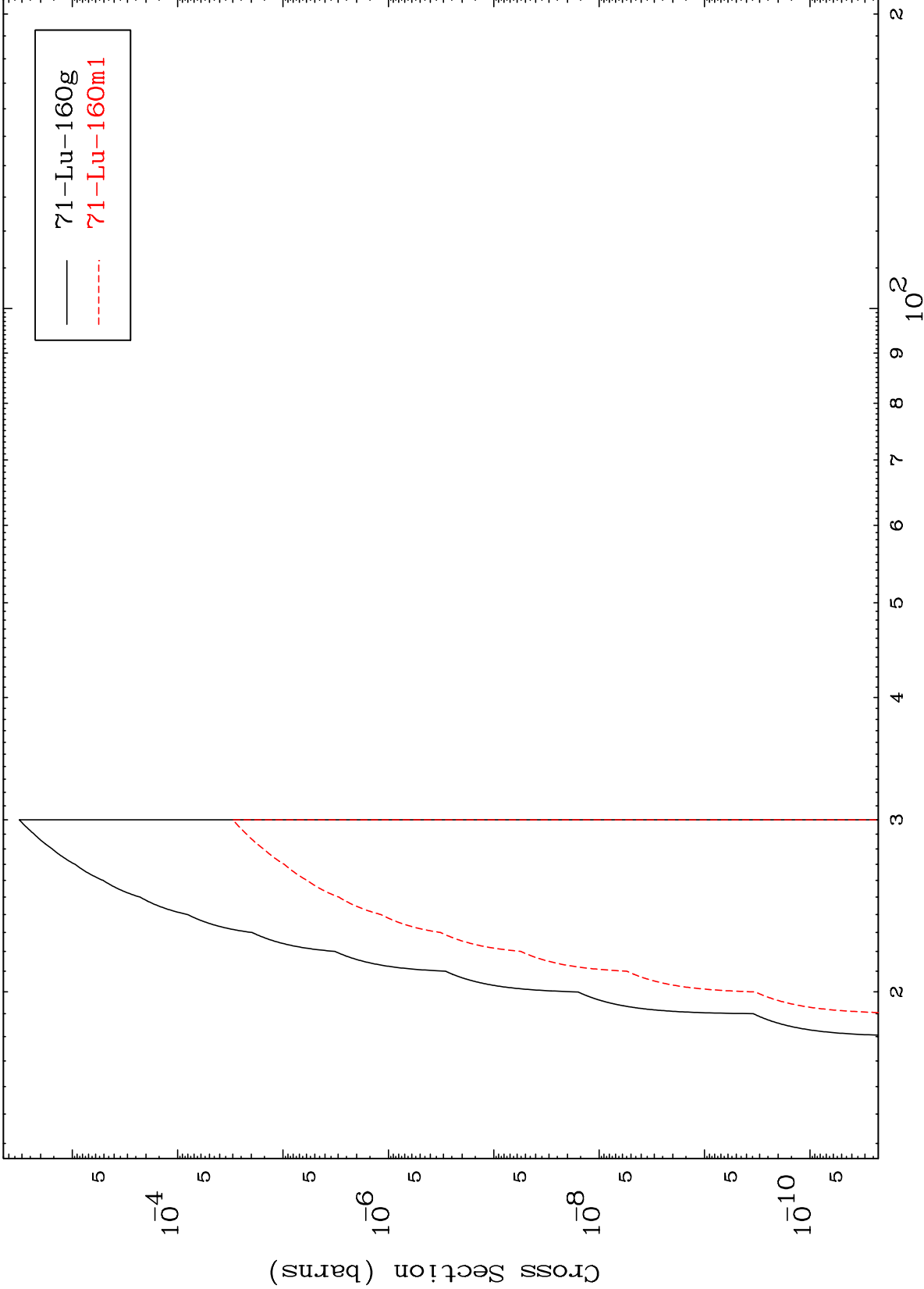


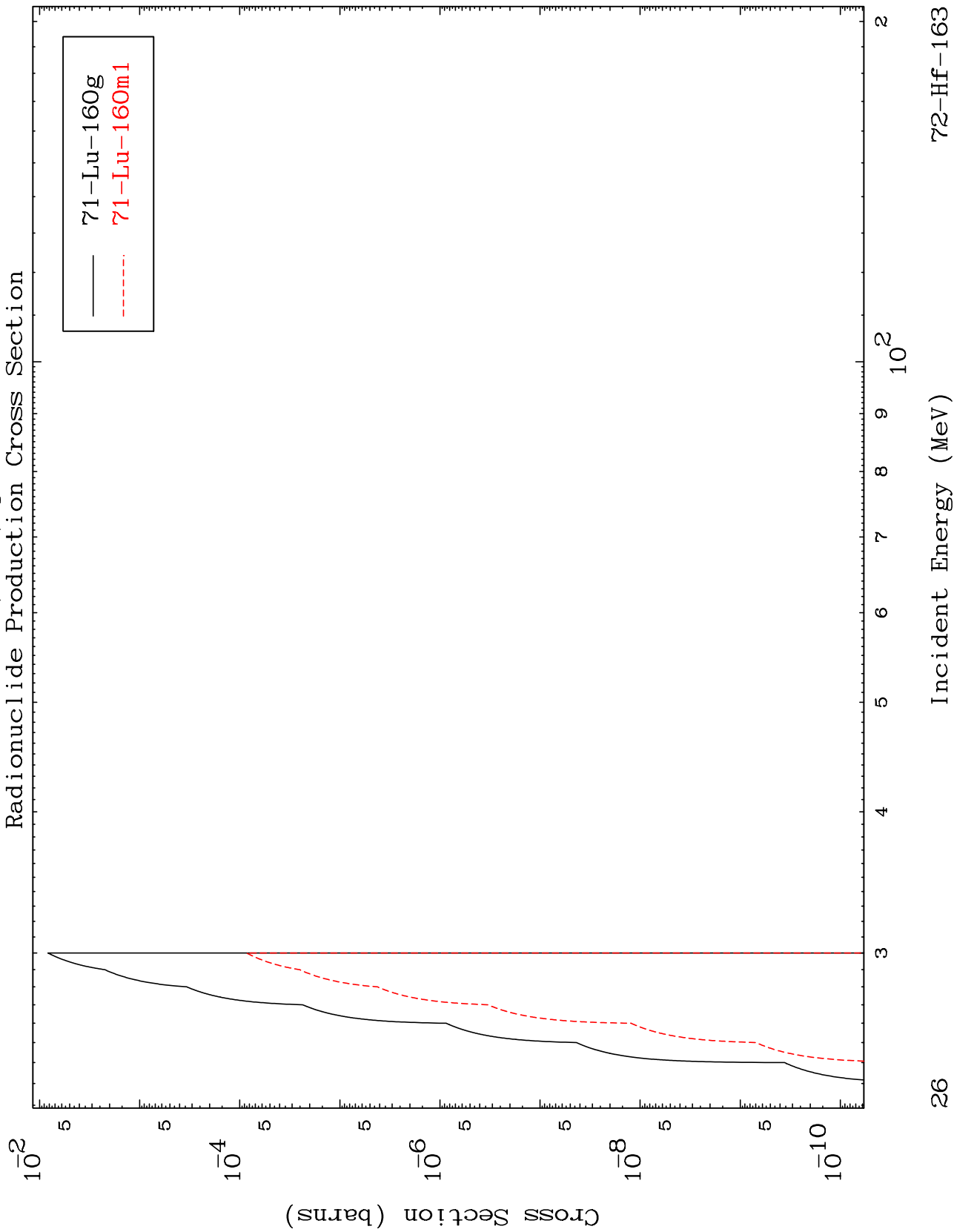
24

Incident Energy (MeV)

72-Hf-163

Radionuclide Production Cross Section



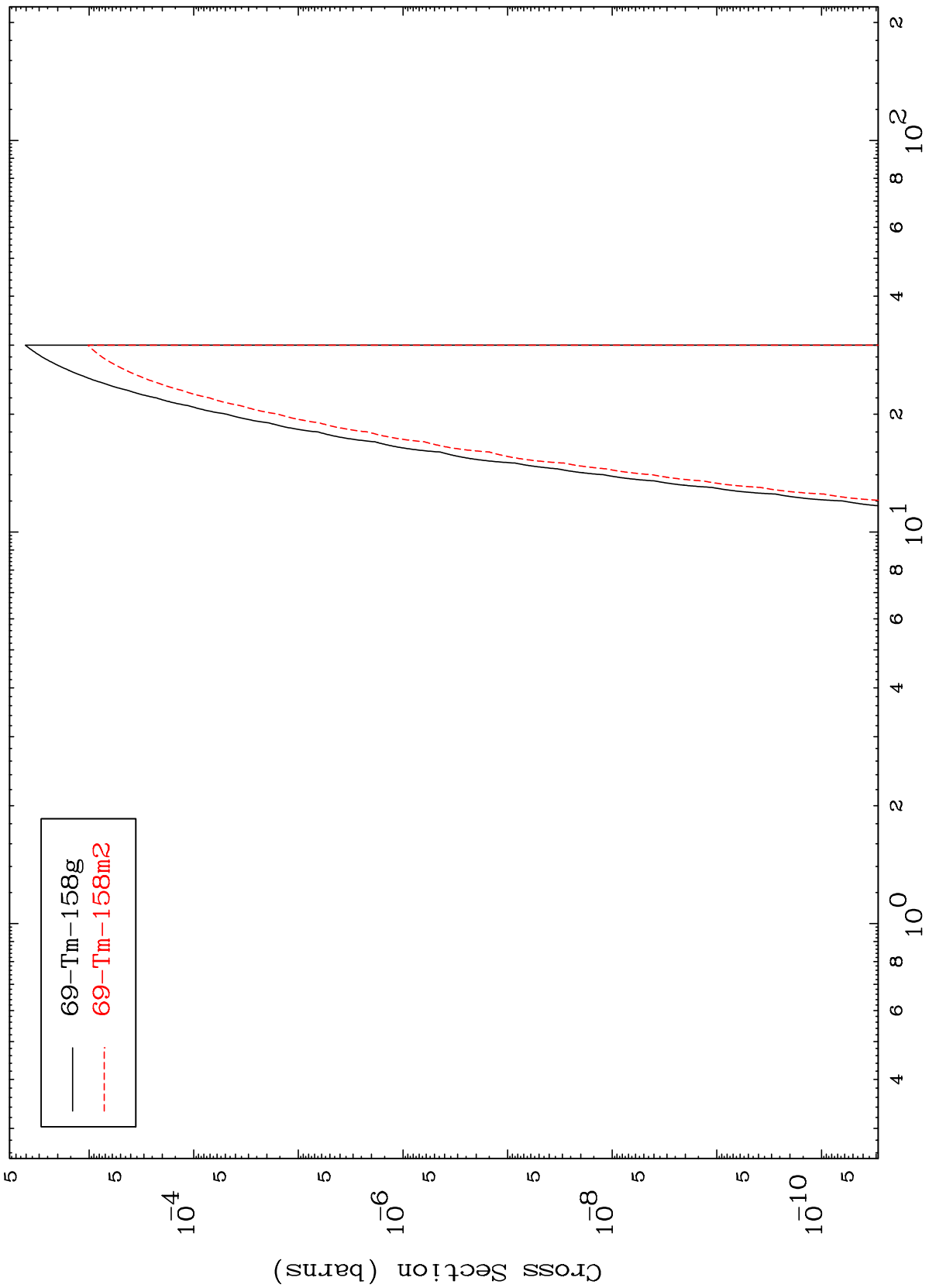


MAT 7192

(n,n') p α

72-Hf-163

Radionuclide Production Cross Section

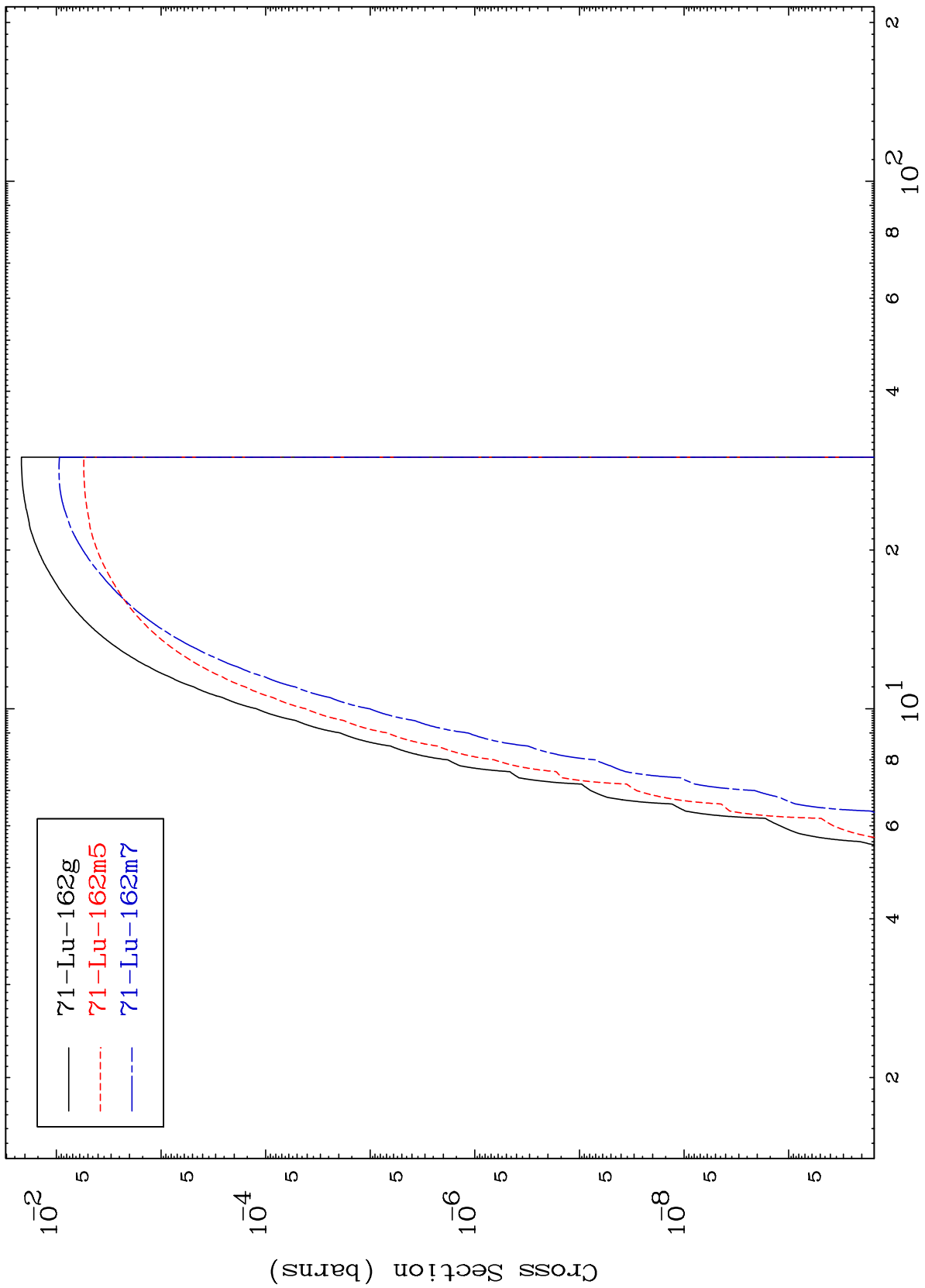


69-Tm-158g
69-Tm-158m2

MAT 7192

72-Hf-163

(n,d)
Radionuclide Production Cross Section



28

72-Hf-163

Incident Energy (MeV)

Radionuclide Production Cross Section

