

Program EVALPLOT
(Version 2015-2)

by

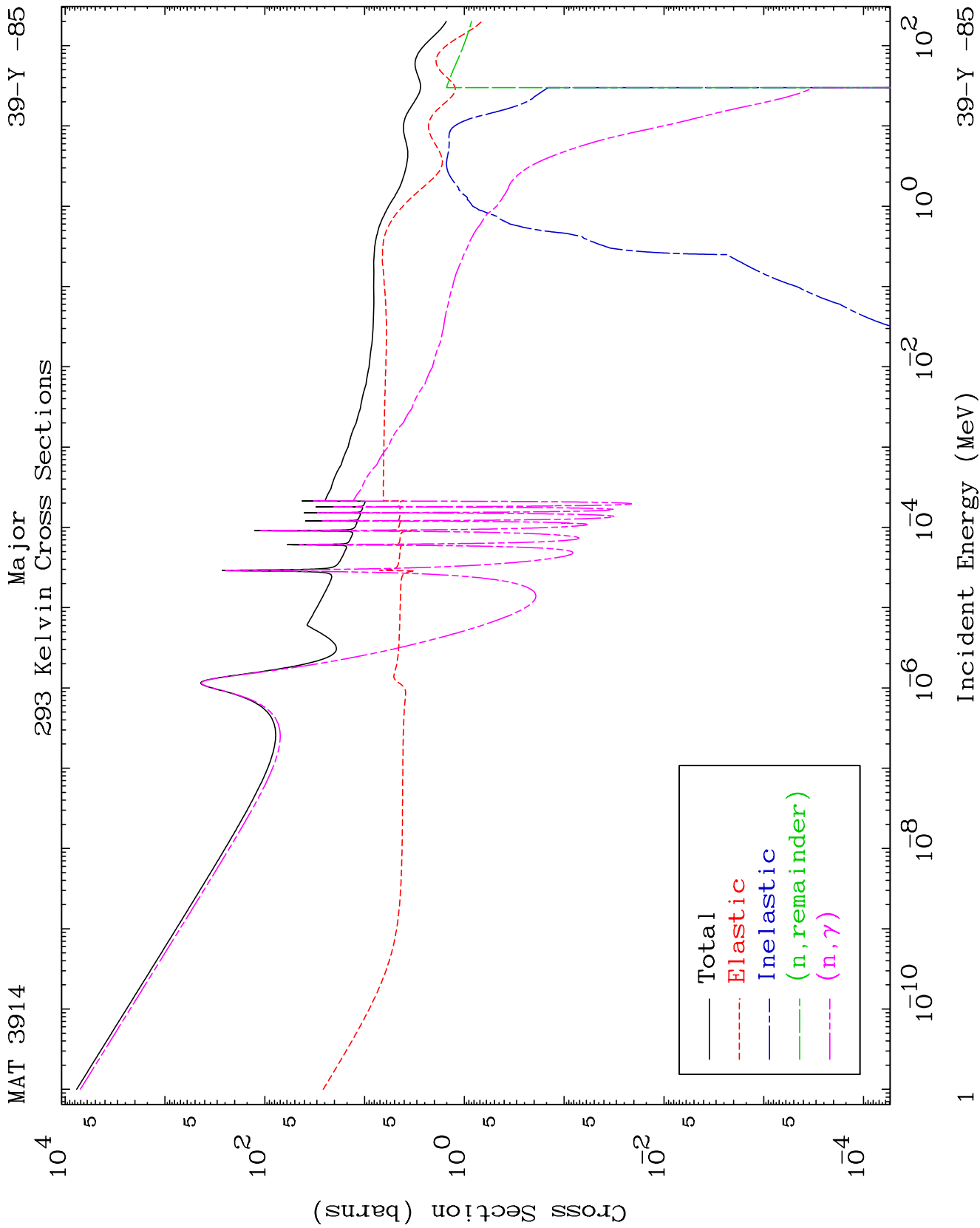
Dermott E. Cullen
(Present Contact Information)

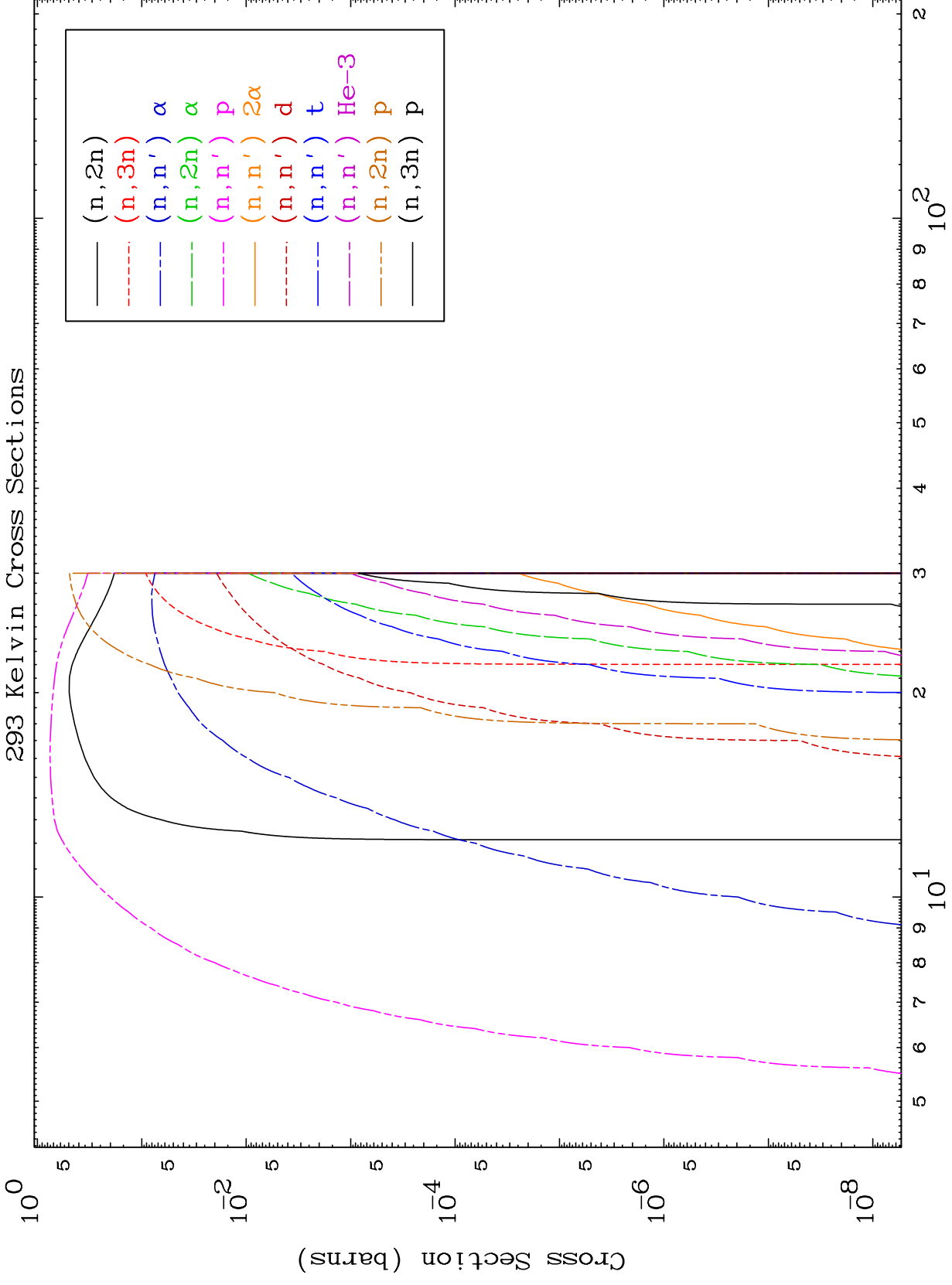
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Tele: 925-443-1911

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Press Mouse Button to Start

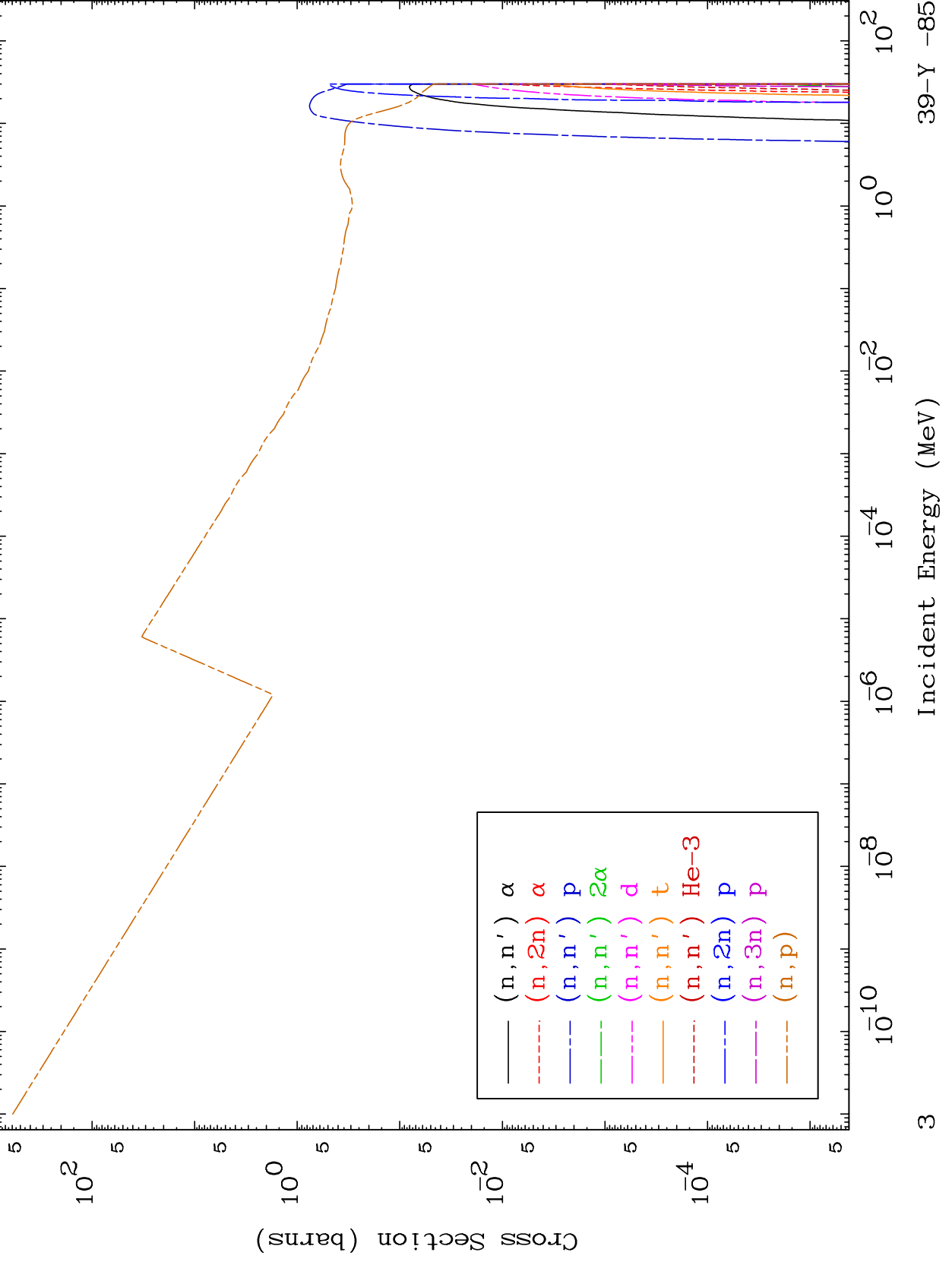




MAT 3914

Charged Particle
293 Kelvin Cross Sections

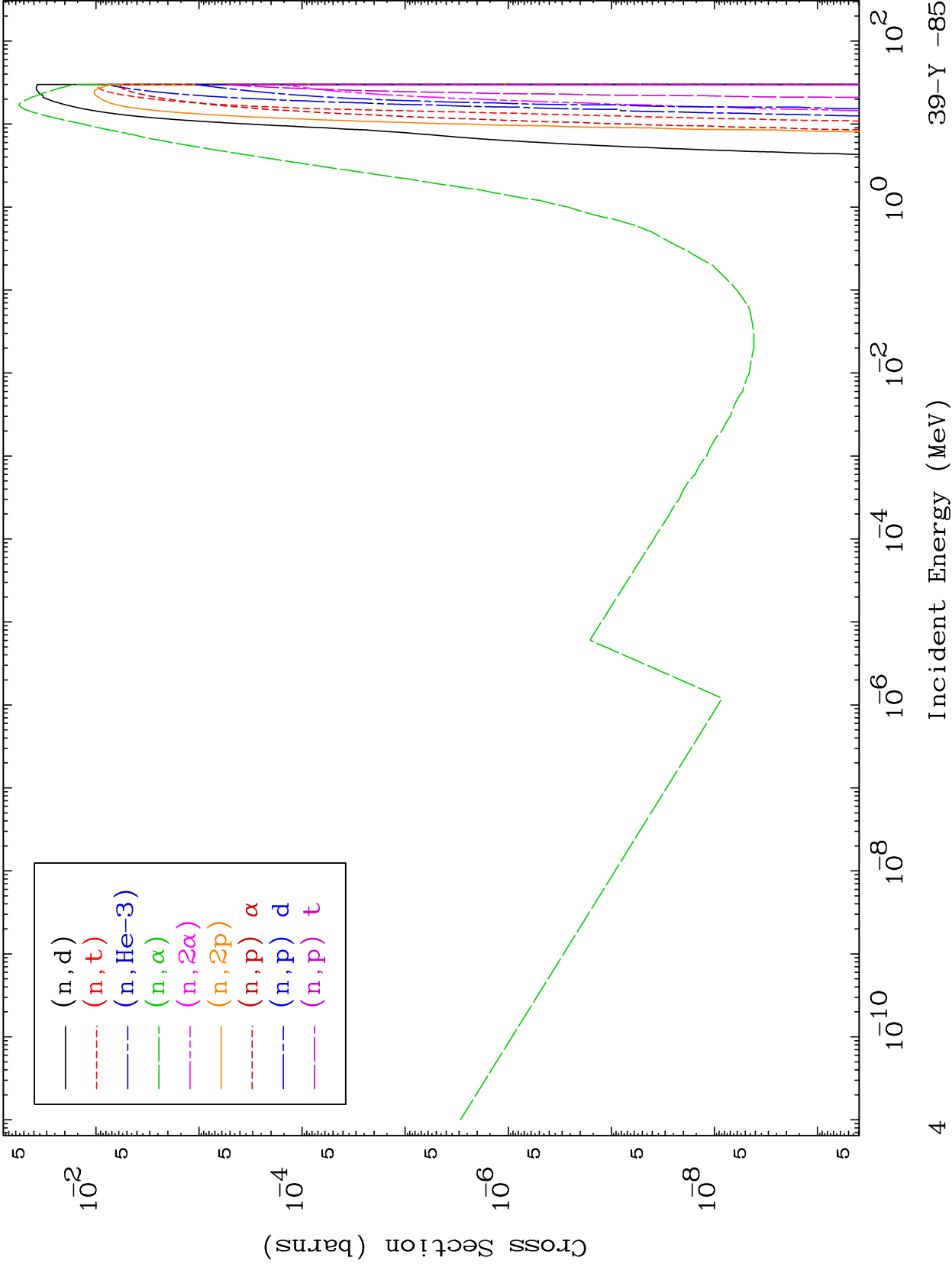
39-Y -85



MAT 3914

Charged Particle
293 Kelvin Cross Sections

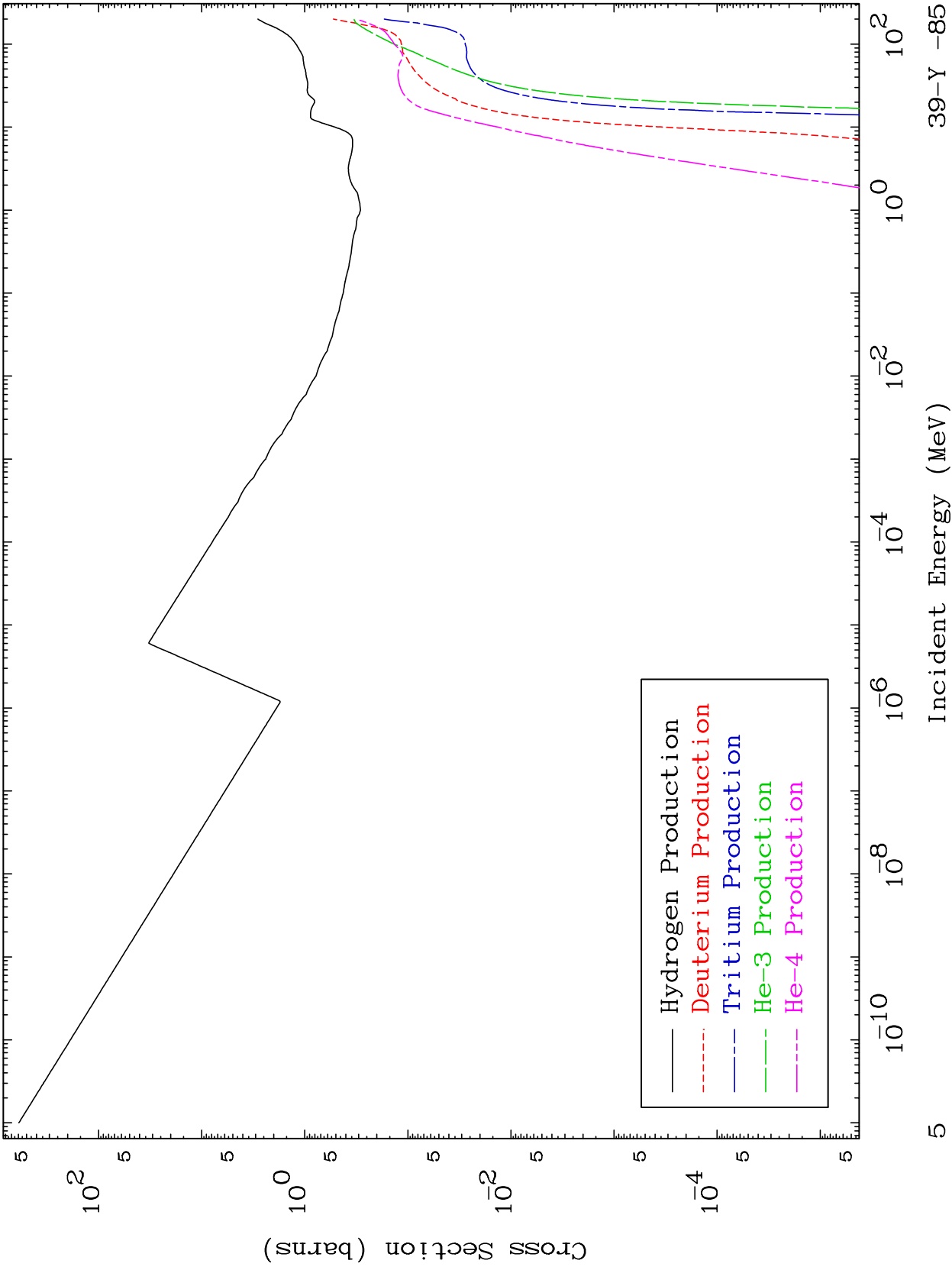
39-Y -85



MAT 3914

Particle Production
293 Kelvin Cross Sections

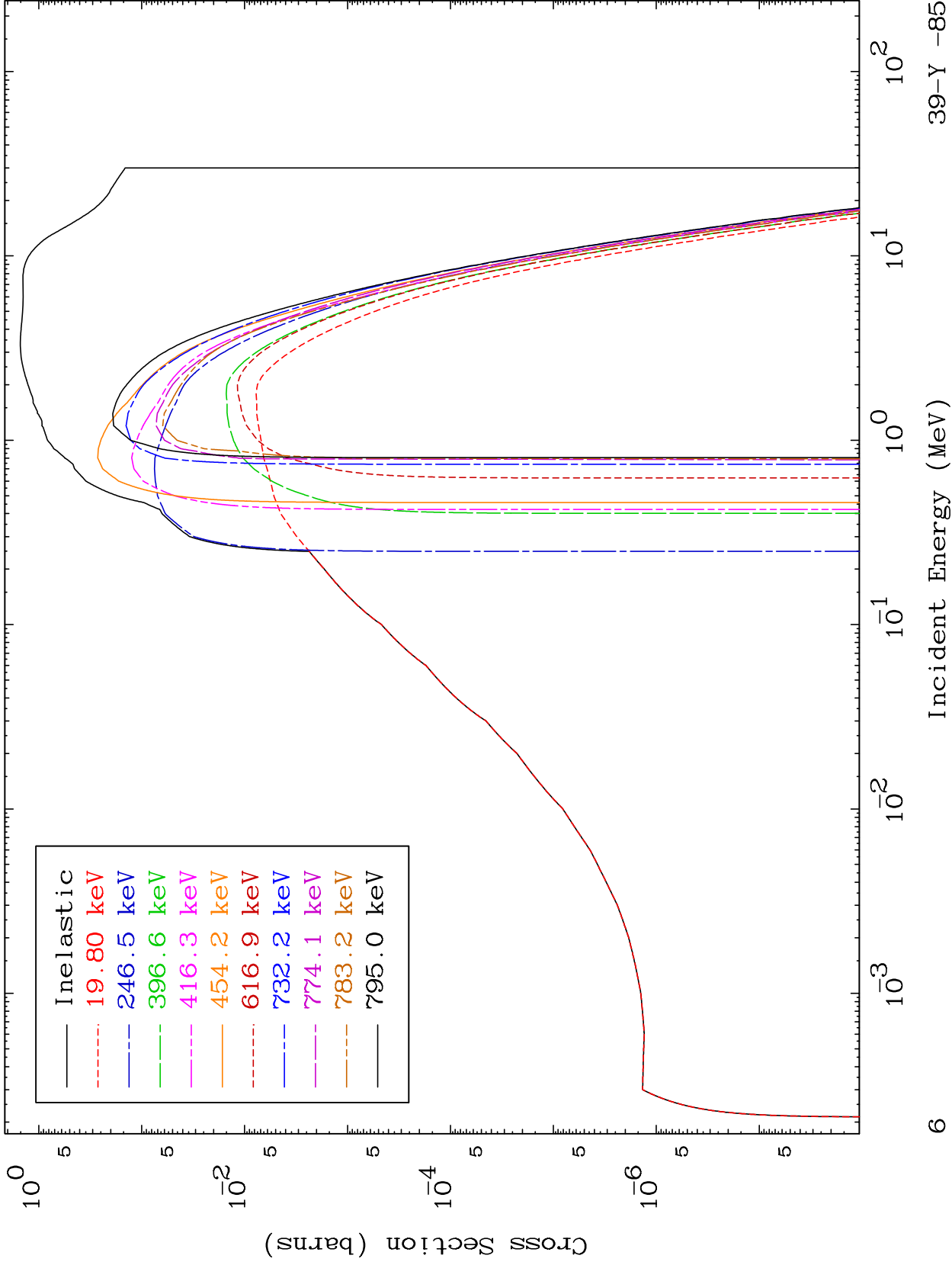
39-Y -85



MAT 3914

(n,n') Level
293 Kelvin Cross Sections

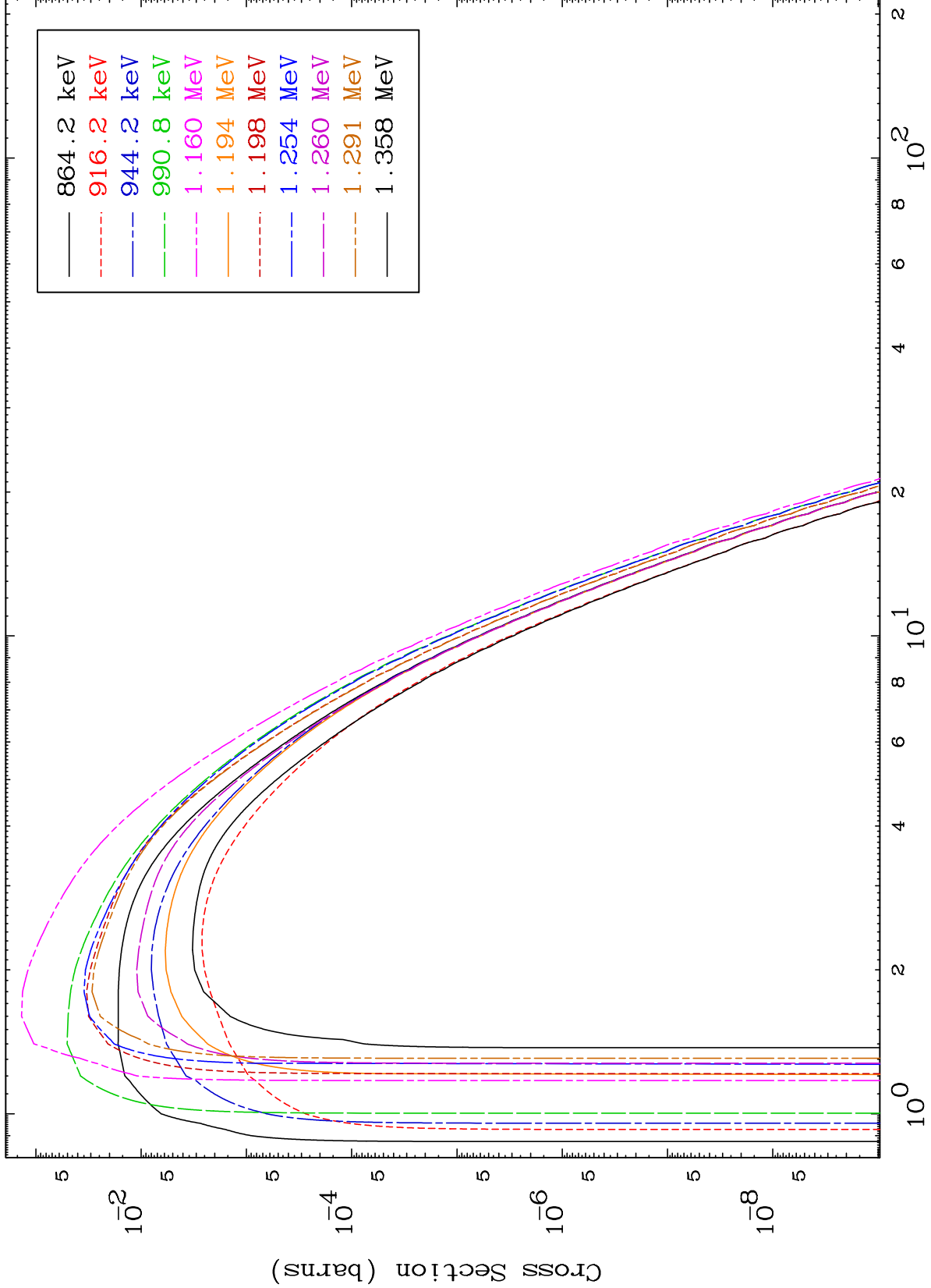
39-Y -85



MAT 3914

(n,n') Level
293 Kelvin Cross Sections

39-Y -85



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Incident Energy (MeV)

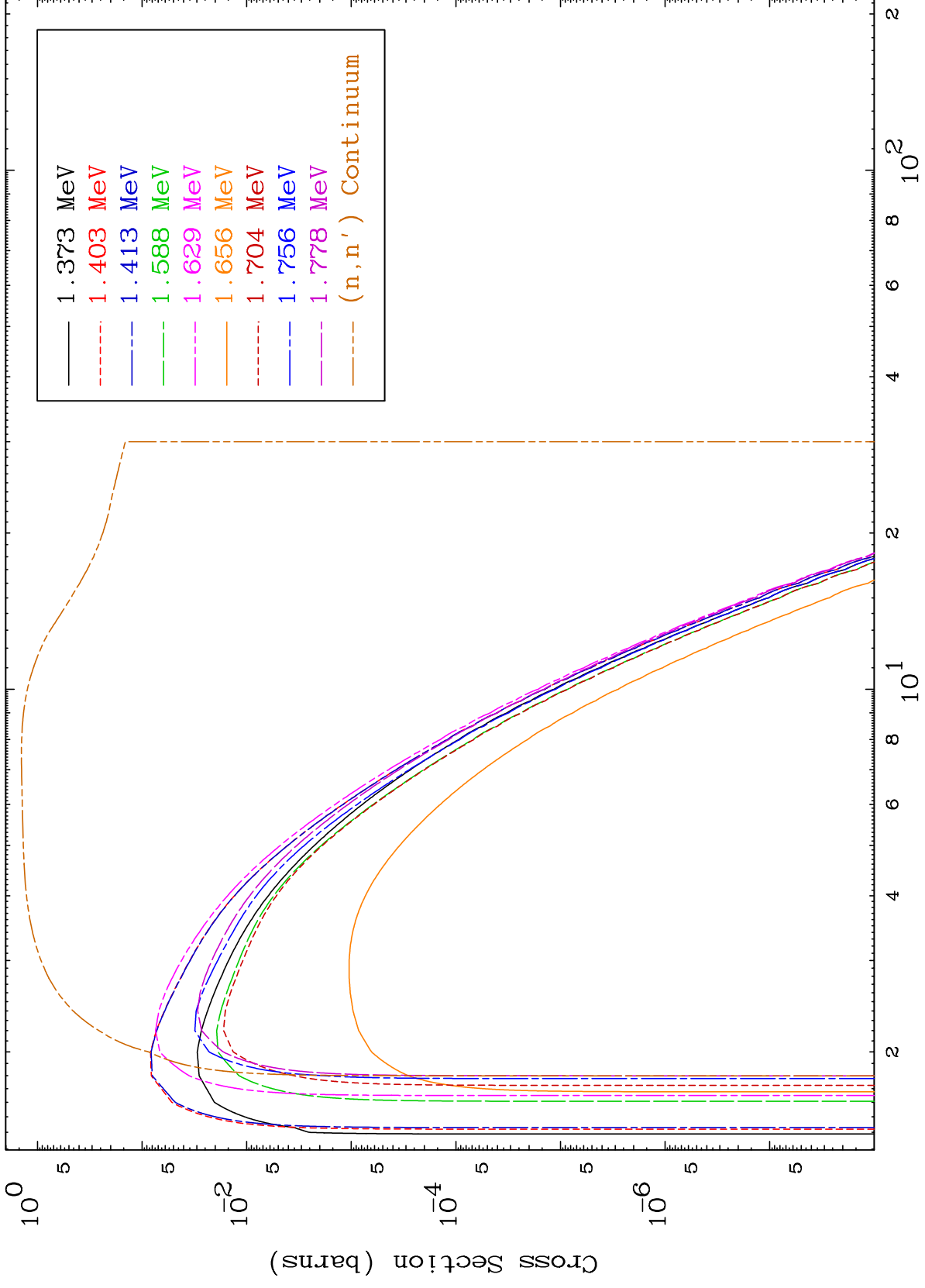
39-Y -85

MAT 3914

(n,n') Level

39-Y -85

293 Kelvin Cross Sections



8

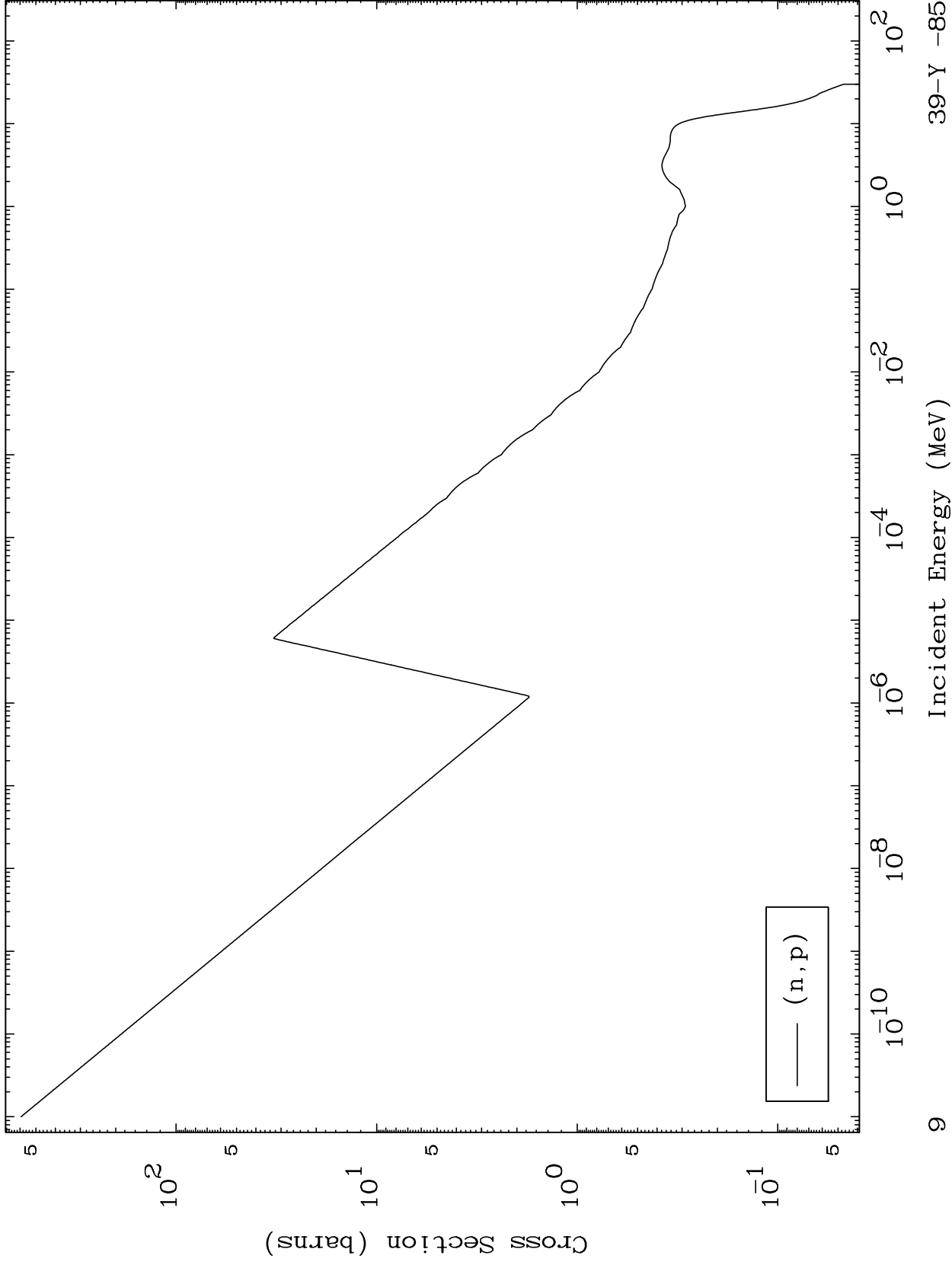
Incident Energy (MeV)

39-Y -85

MAT 3914

(n,p) Levels
293 Kelvin Cross Sections

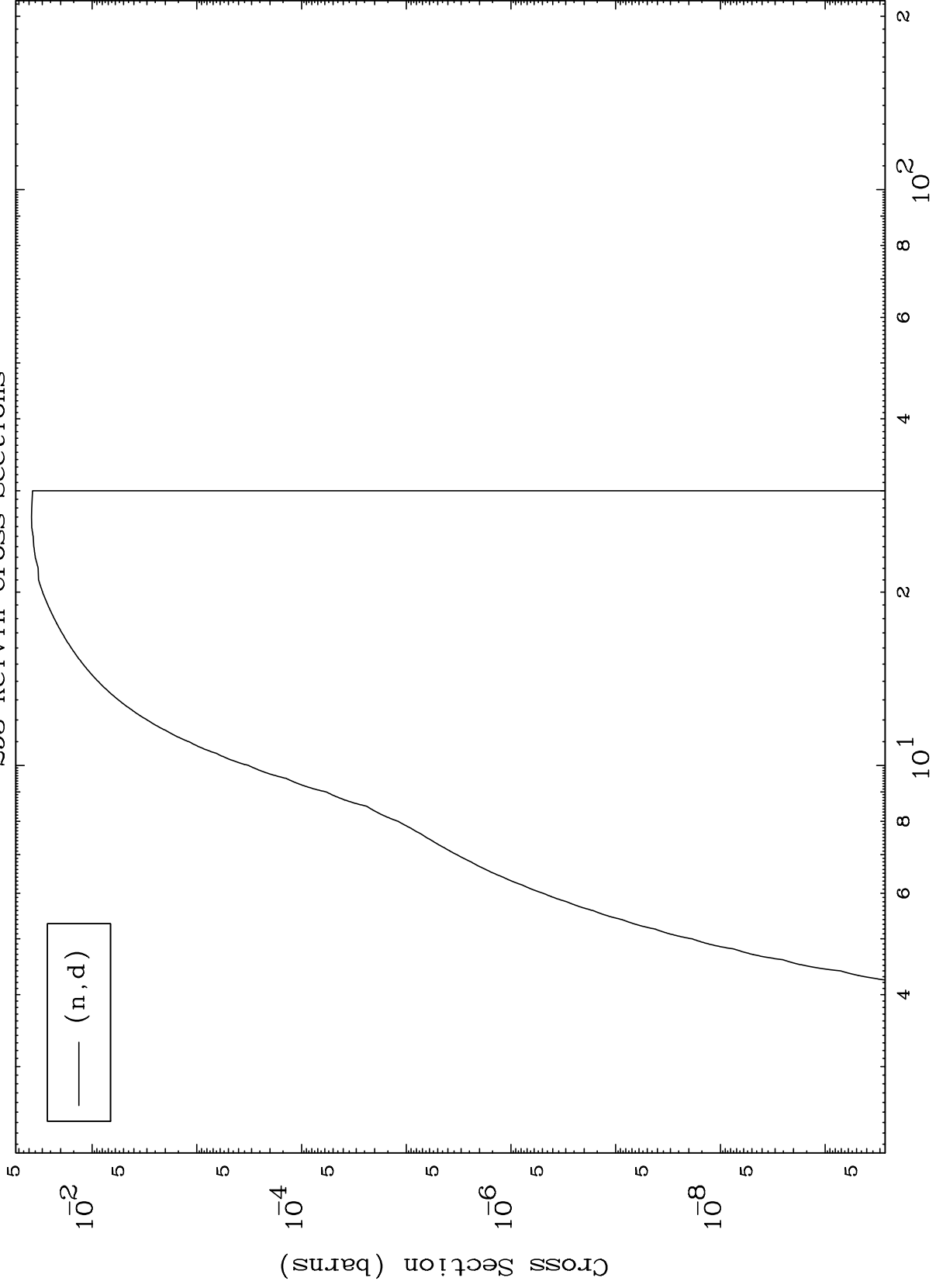
39-Y -85



MAT 3914

(n,d) Levels
293 Kelvin Cross Sections

39-Y -85



10

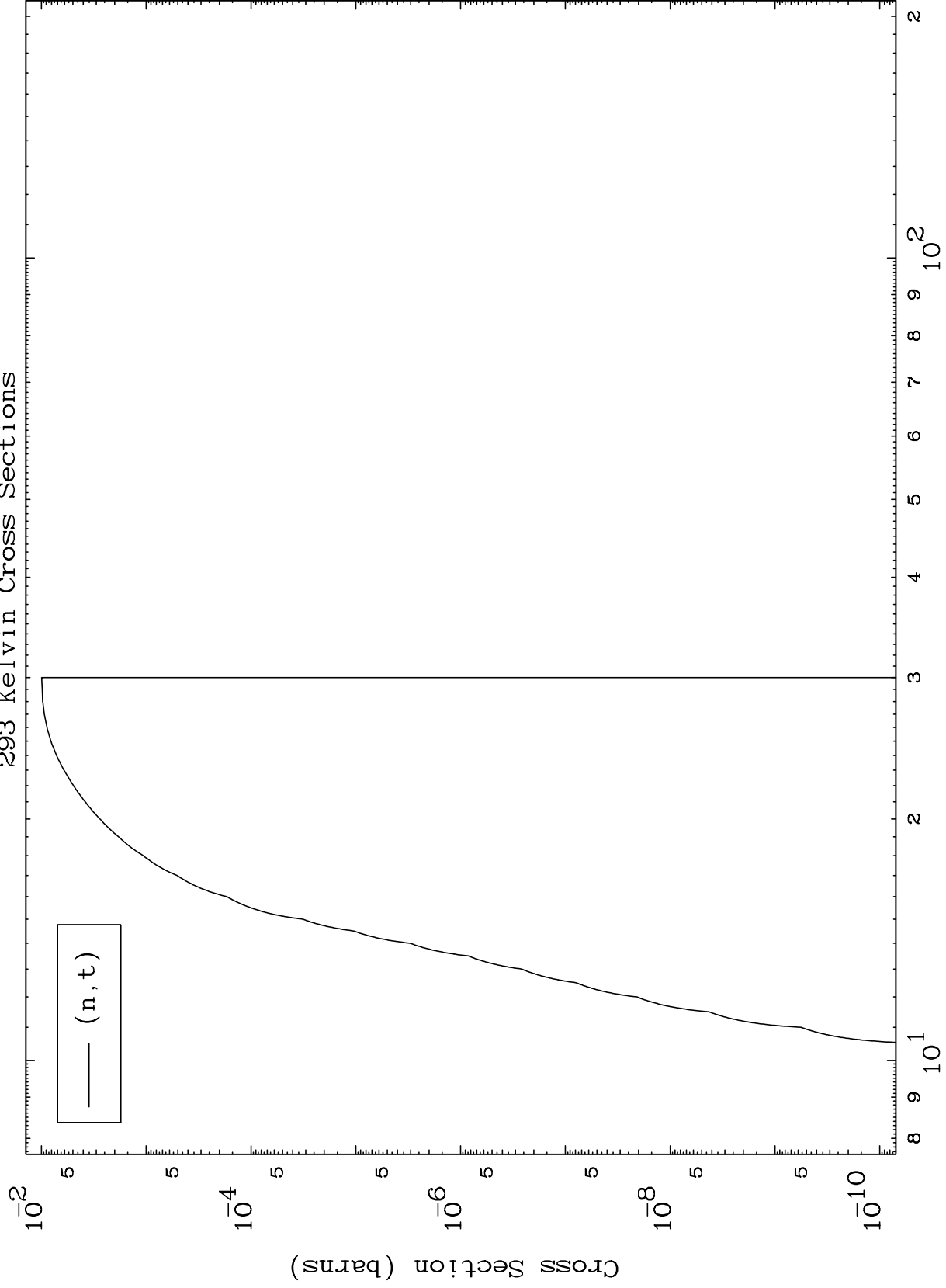
Incident Energy (MeV)

39-Y -85

MAT 3914

(n,t) Levels
293 Kelvin Cross Sections

39-Y -85



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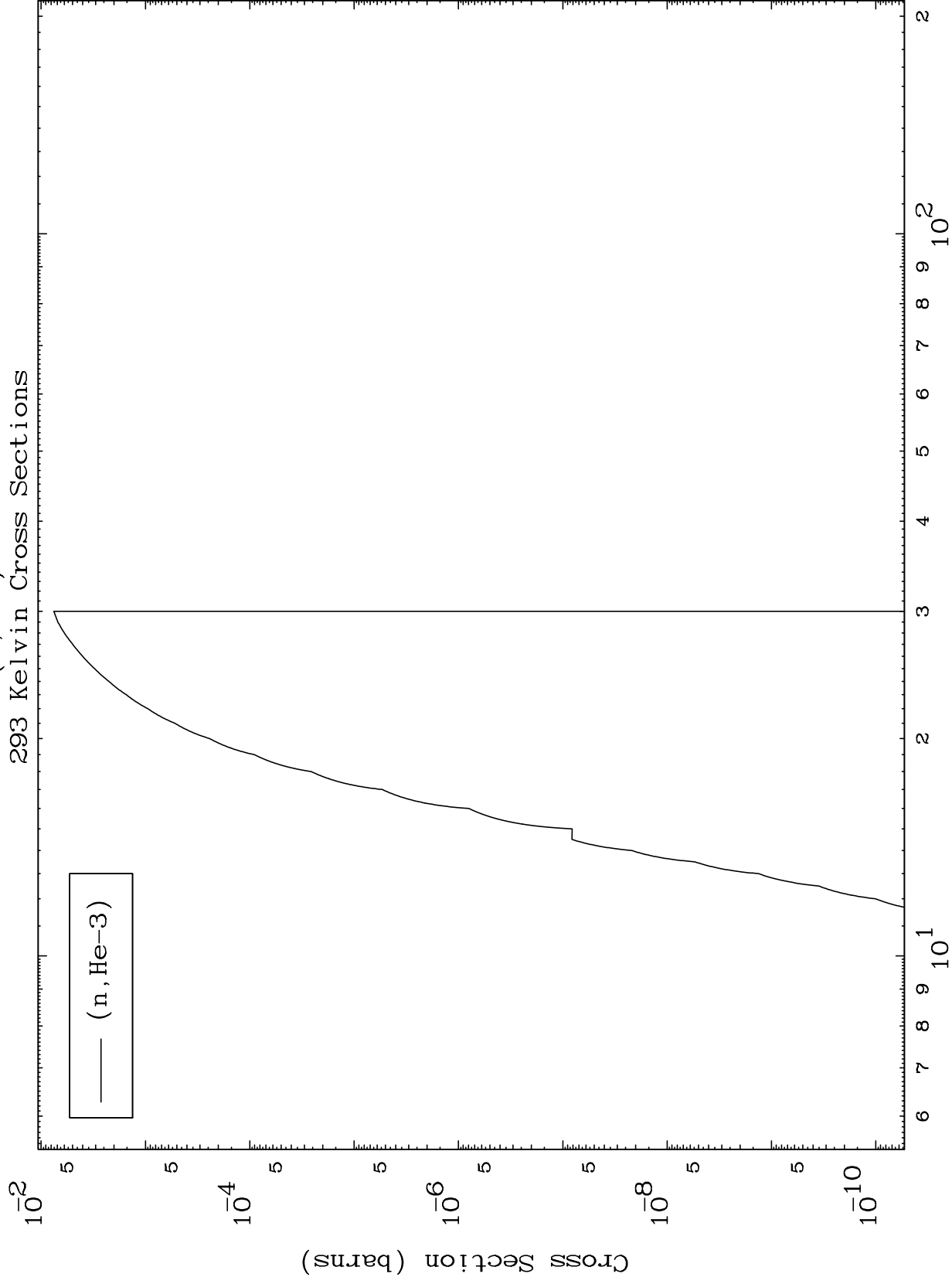
Incident Energy (MeV)

39-Y -85

MAT 3914

(n,He3) Levels
293 Kelvin Cross Sections

39-Y -85



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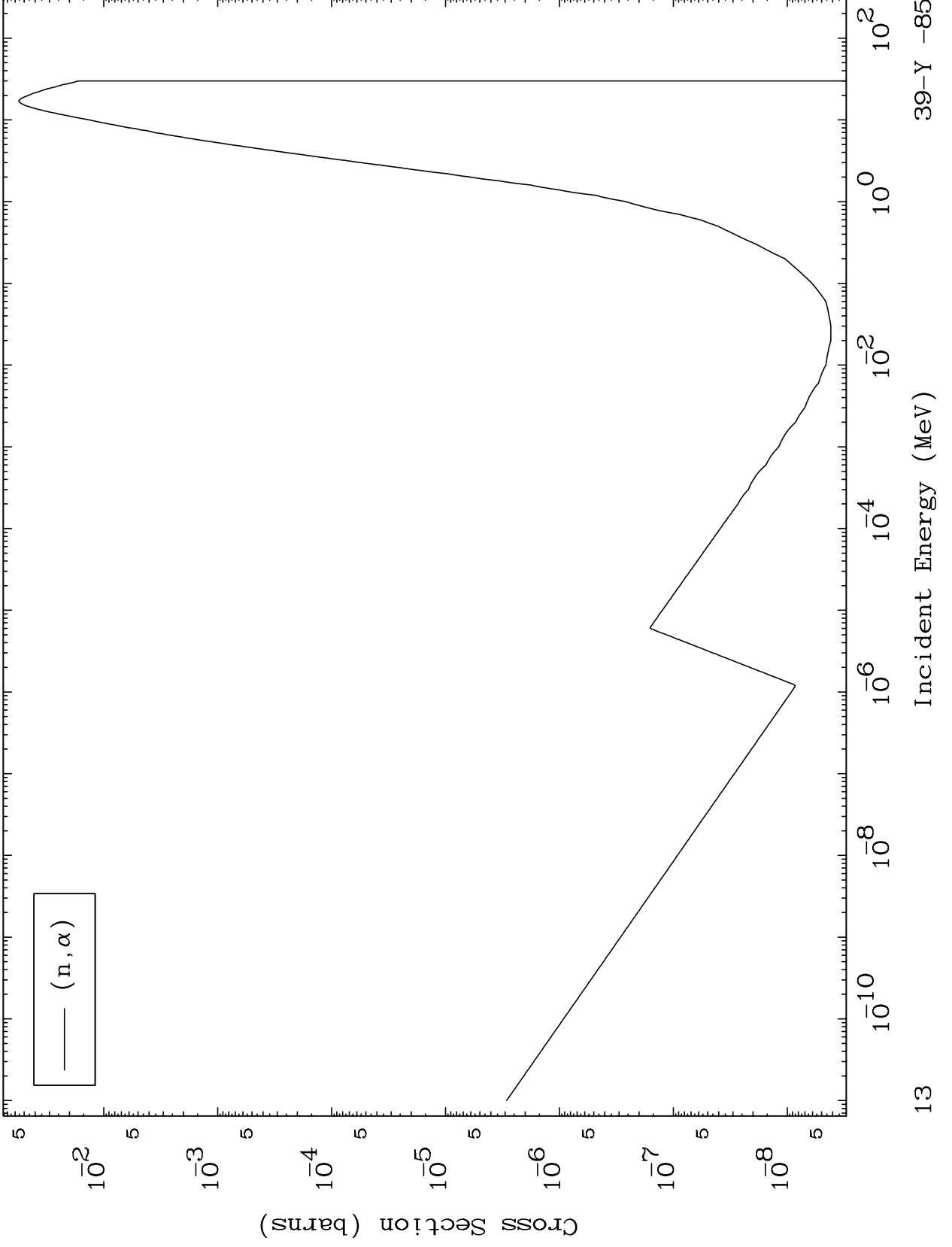
Incident Energy (MeV)

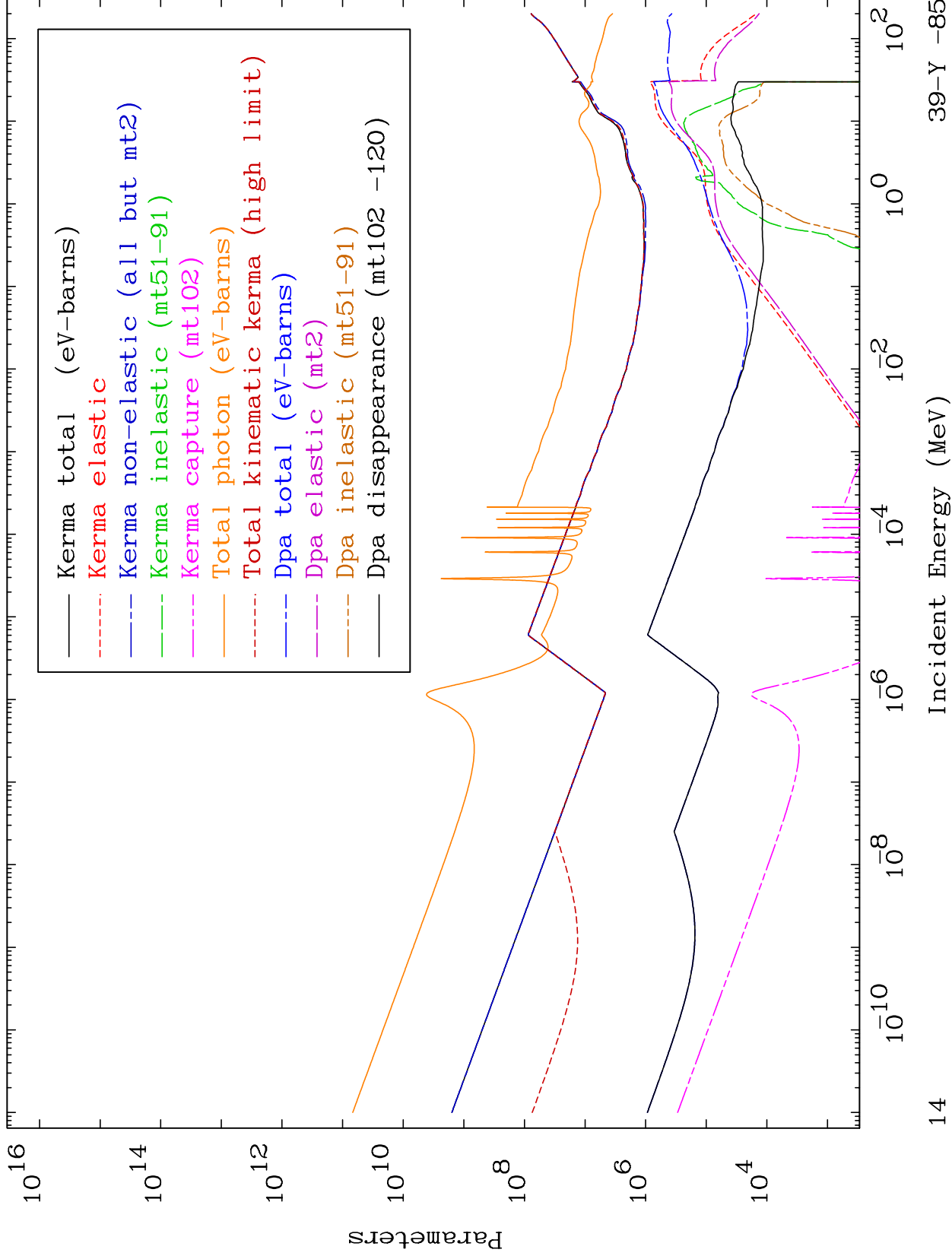
39-Y -85

MAT 3914

(n, α) Levels
293 Kelvin Cross Sections

39-Y -85

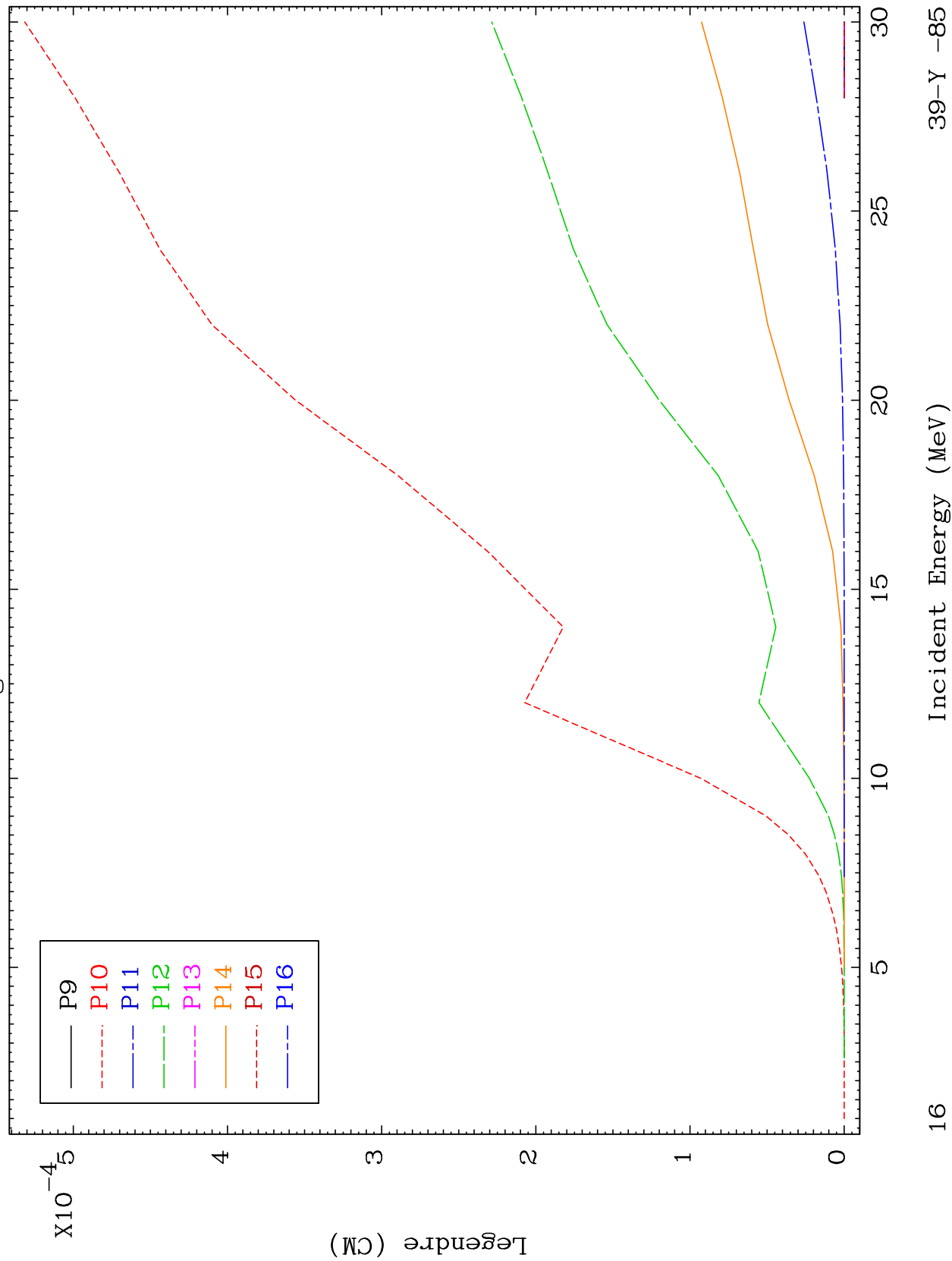




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Elastic Legendre Coefficients

39-Y -85



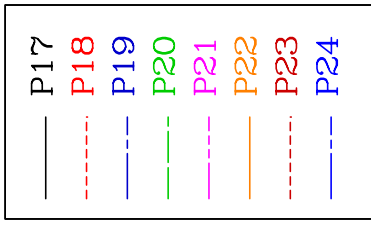
16

39-Y -85

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Elastic Legendre Coefficients

39-Y -85



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

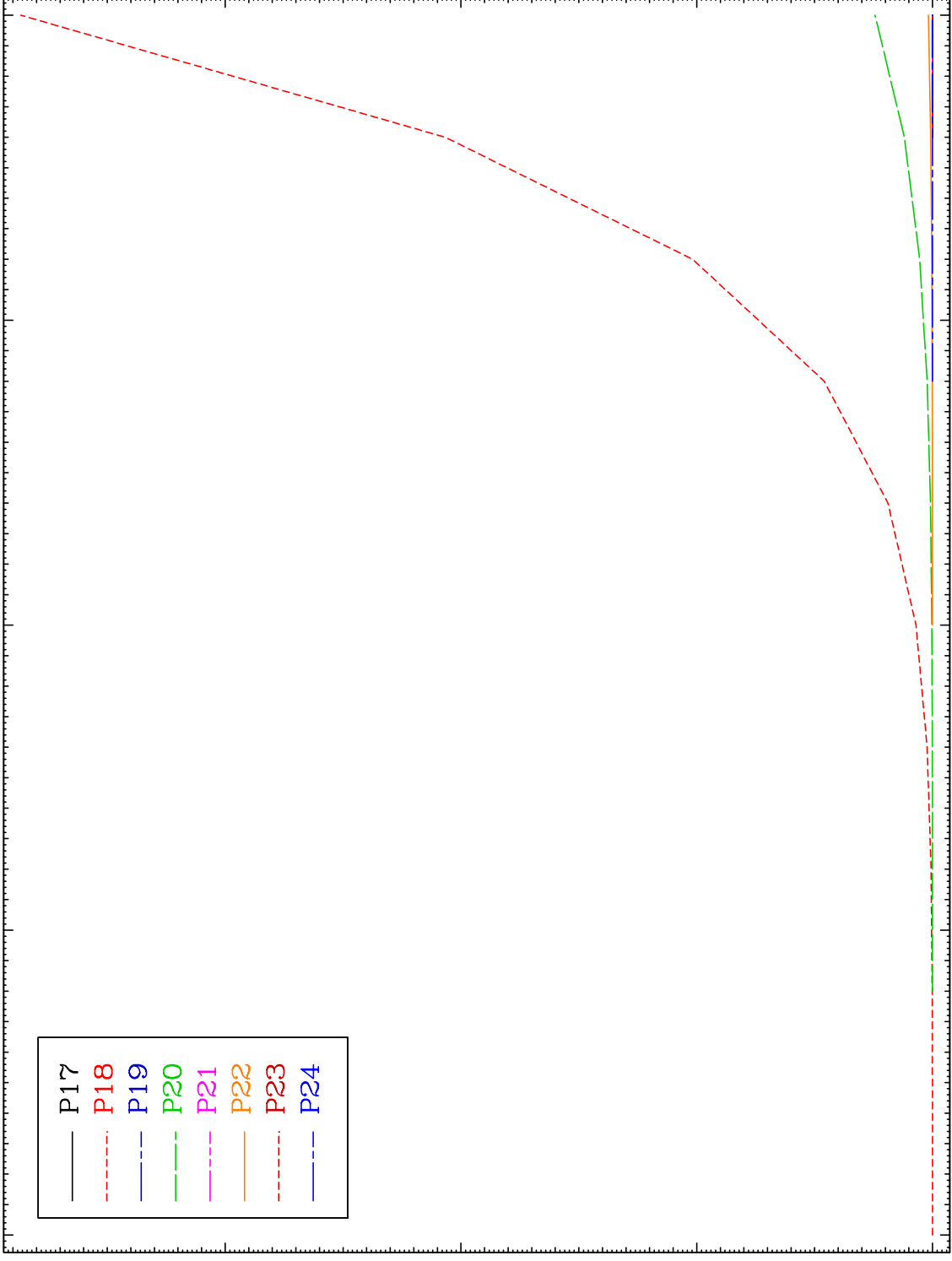
25

30

17

Incident Energy (MeV)

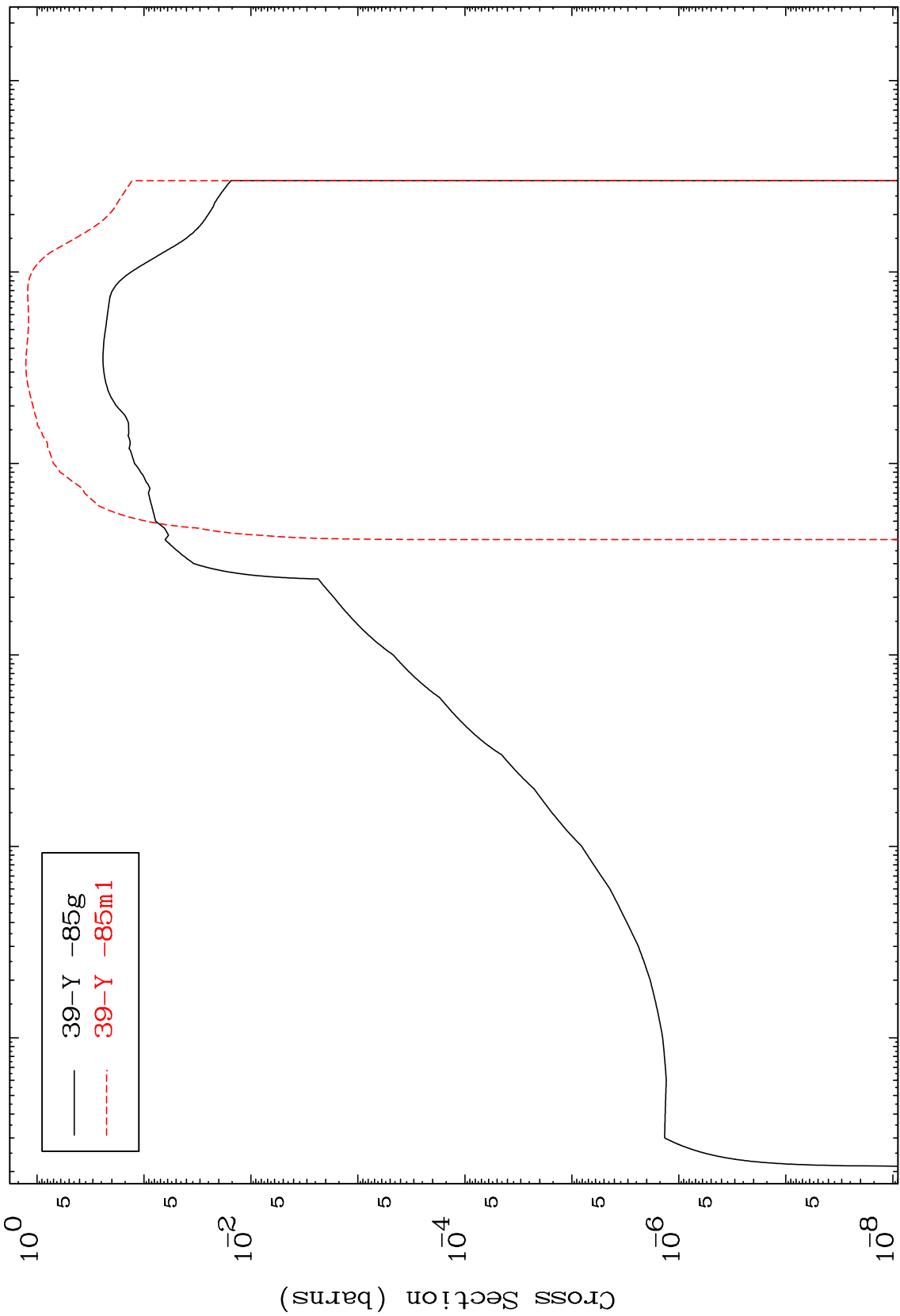
39-Y -85



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39-Y -85

Inelastic
Radionuclide Production Cross Section



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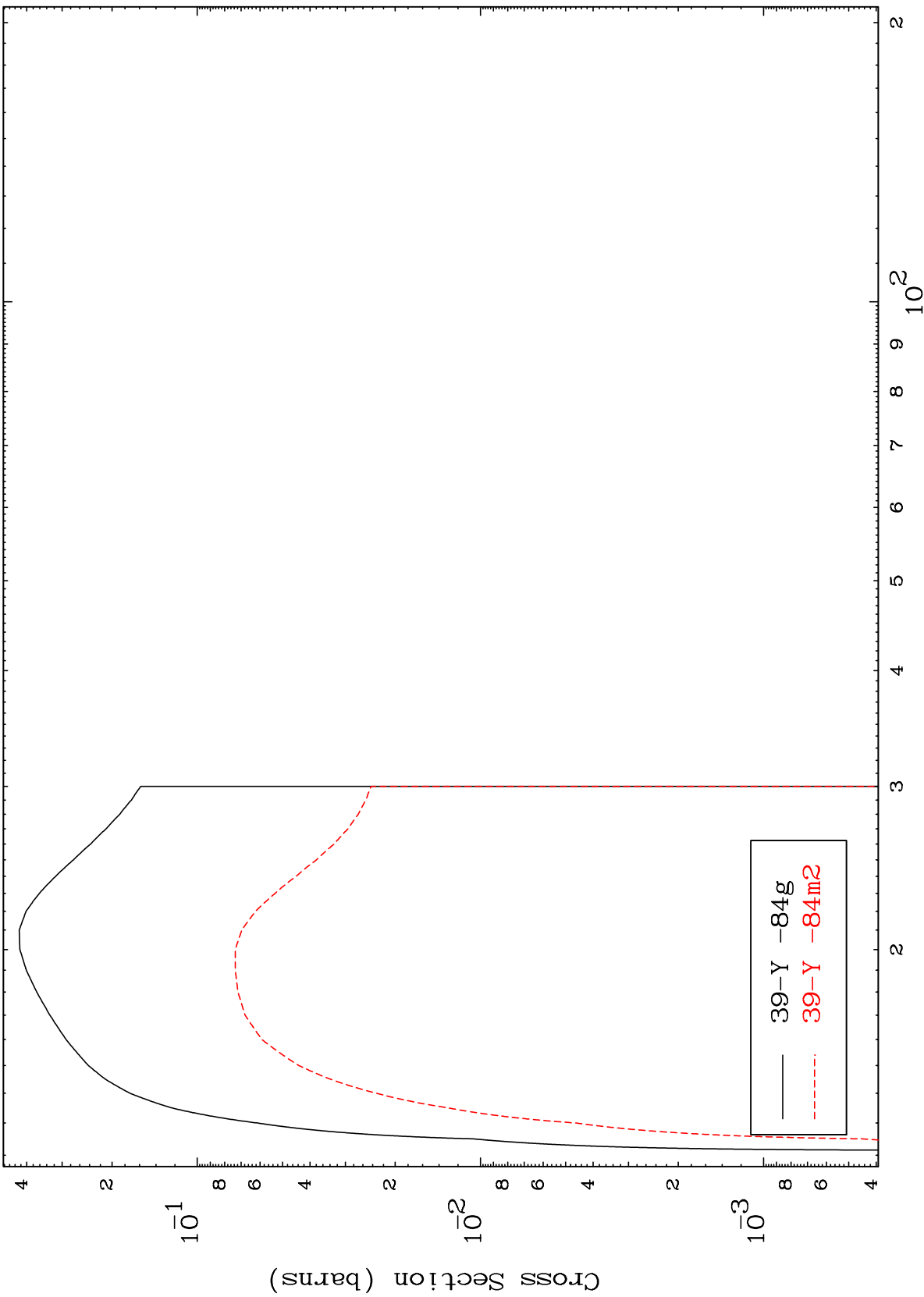
39-Y -85

Incident Energy (MeV)

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39-Y -85

Radionuclide Production Cross Section (n,2n)



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Incident Energy (MeV)

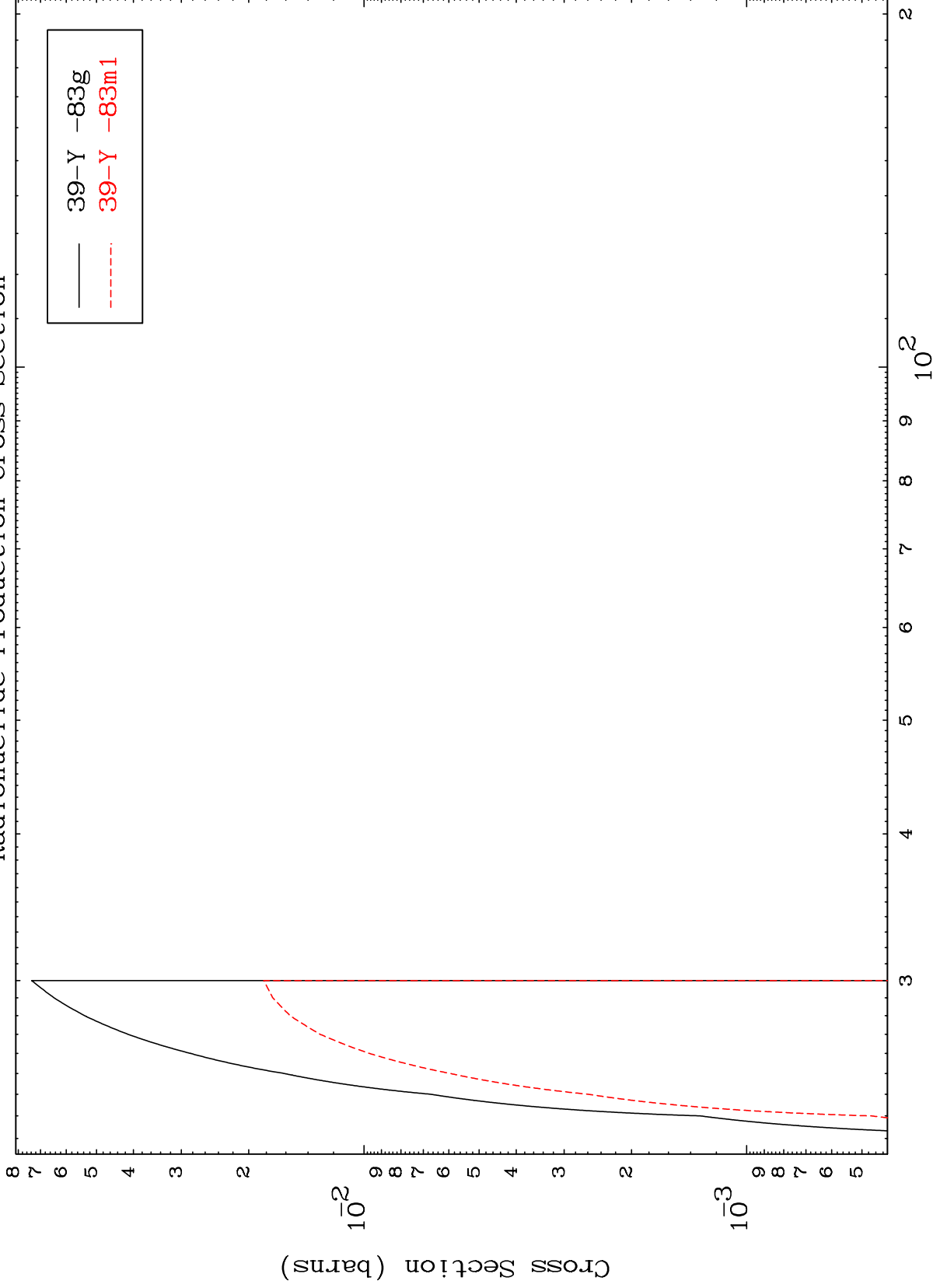
39-Y -85

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(n,3n)

39-Y -85

Radionuclide Production Cross Section



20

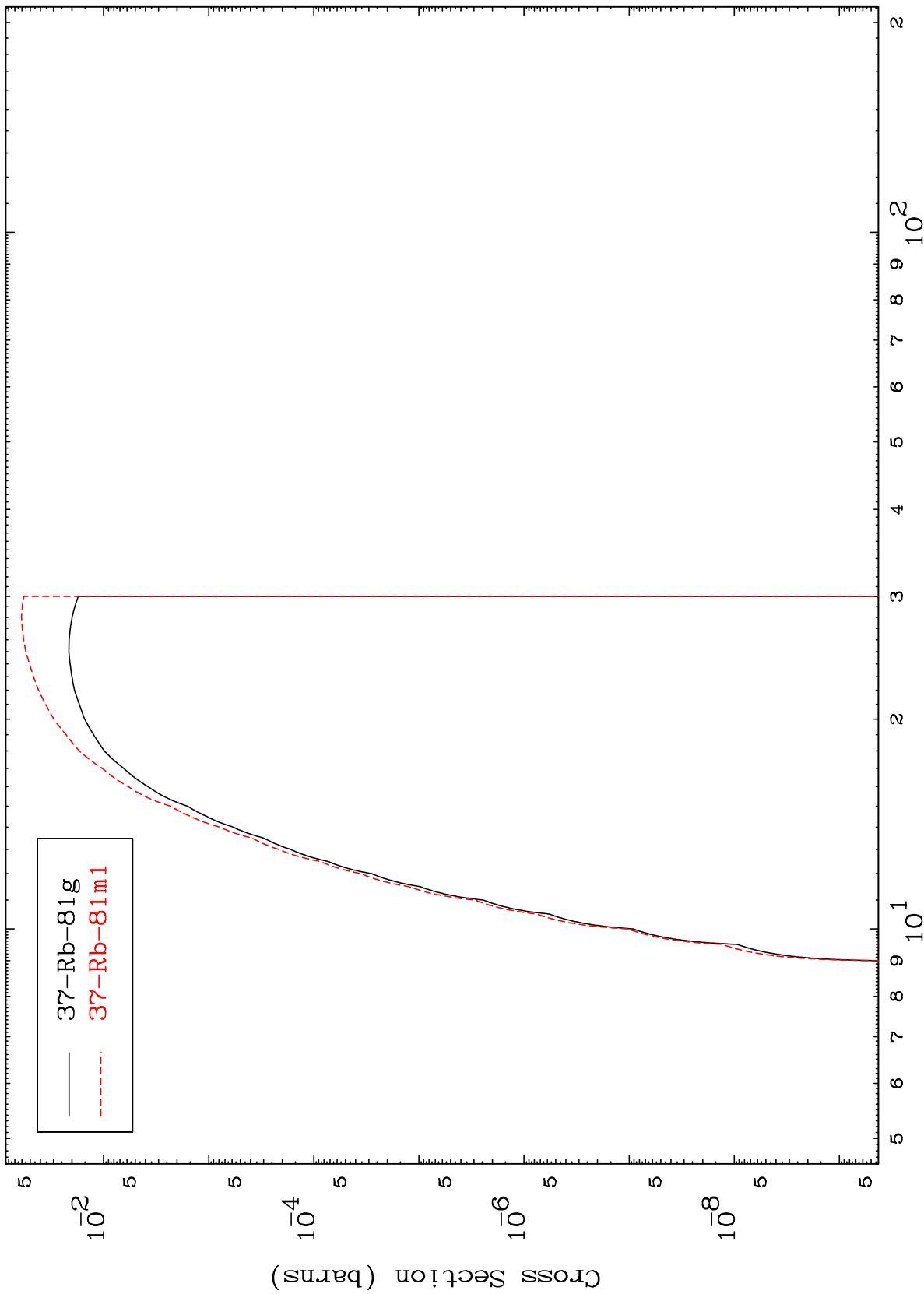
Incident Energy (MeV)

39-Y -85

MAT 3914

39-Y -85

$(n, n') \alpha$
Radionuclide Production Cross Section



21

Incident Energy (MeV)

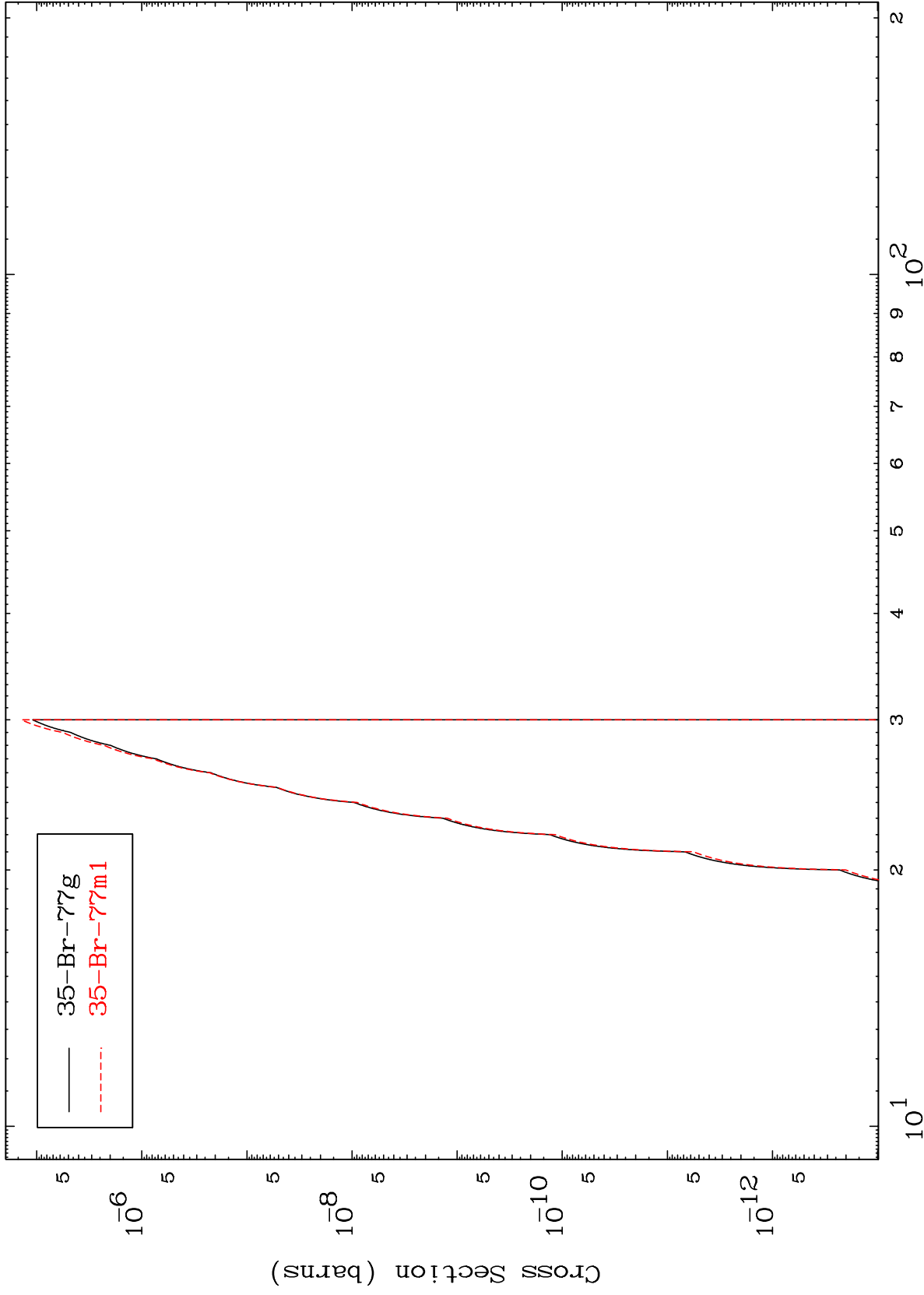
39-Y -85

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(n,n') 2α

39-Y -85

Radionuclide Production Cross Section



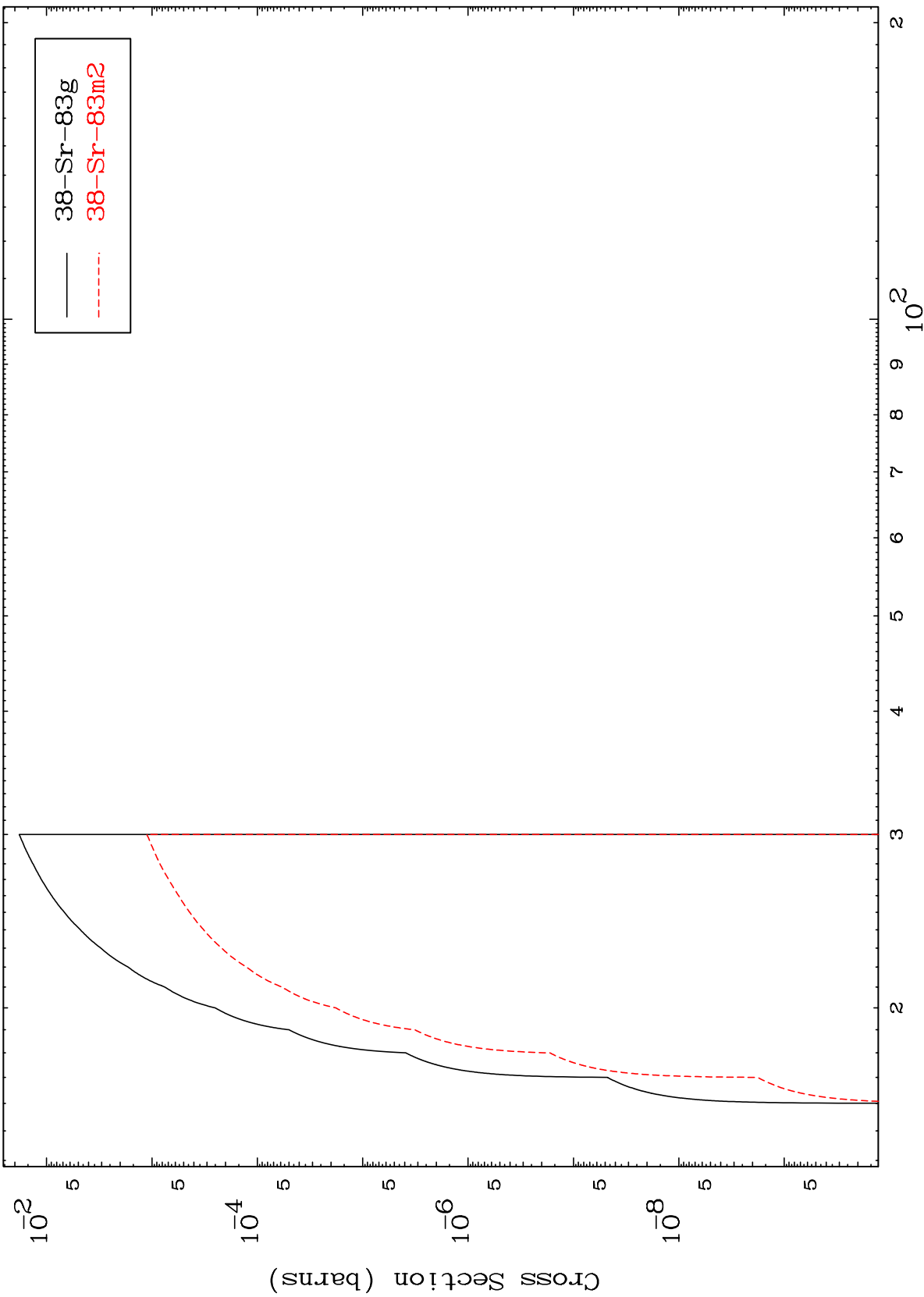
— 35-Br-77g
- - - 35-Br-77m1

22

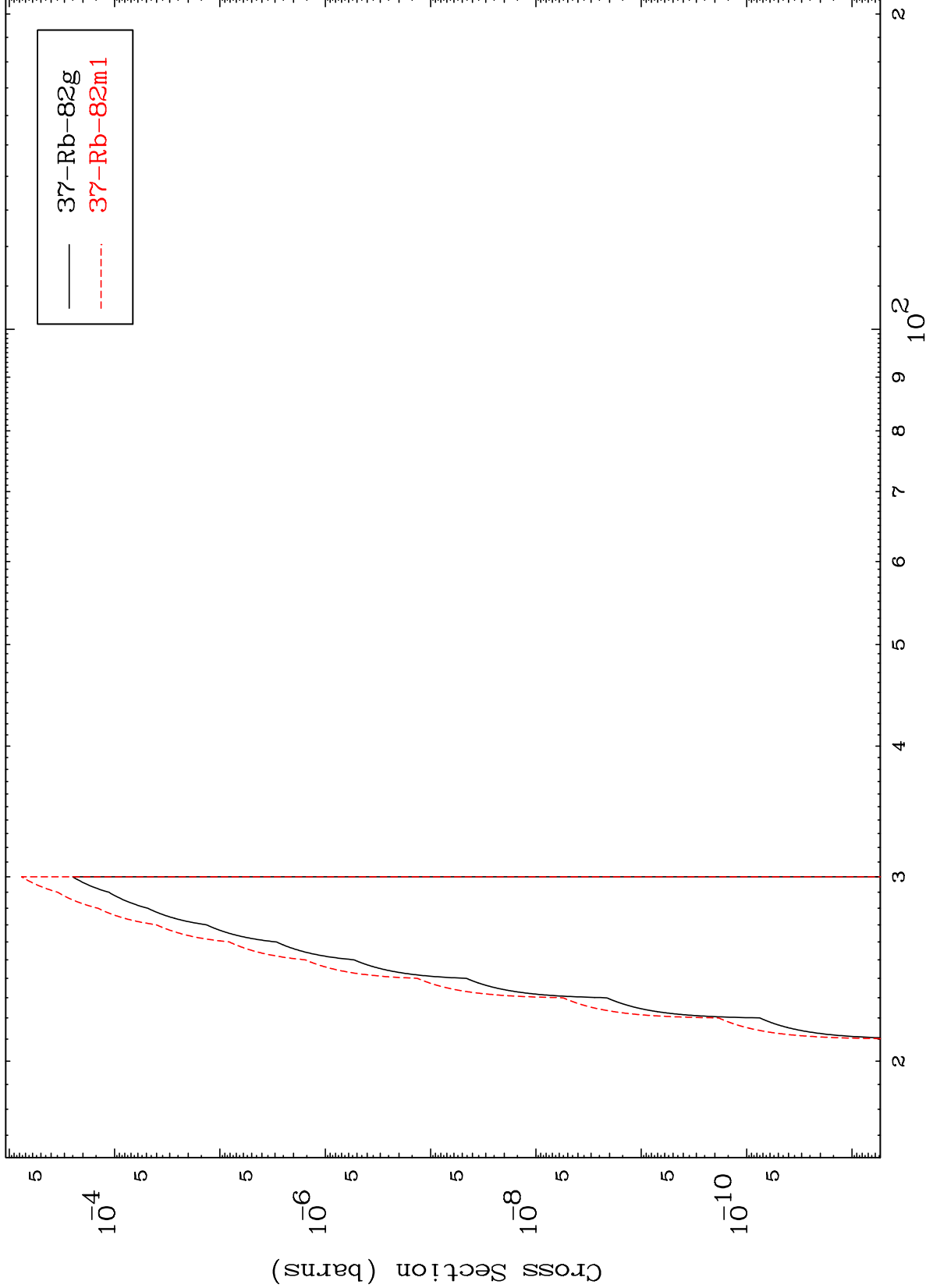
Incident Energy (MeV)

39-Y -85

Radionuclide Production Cross Section

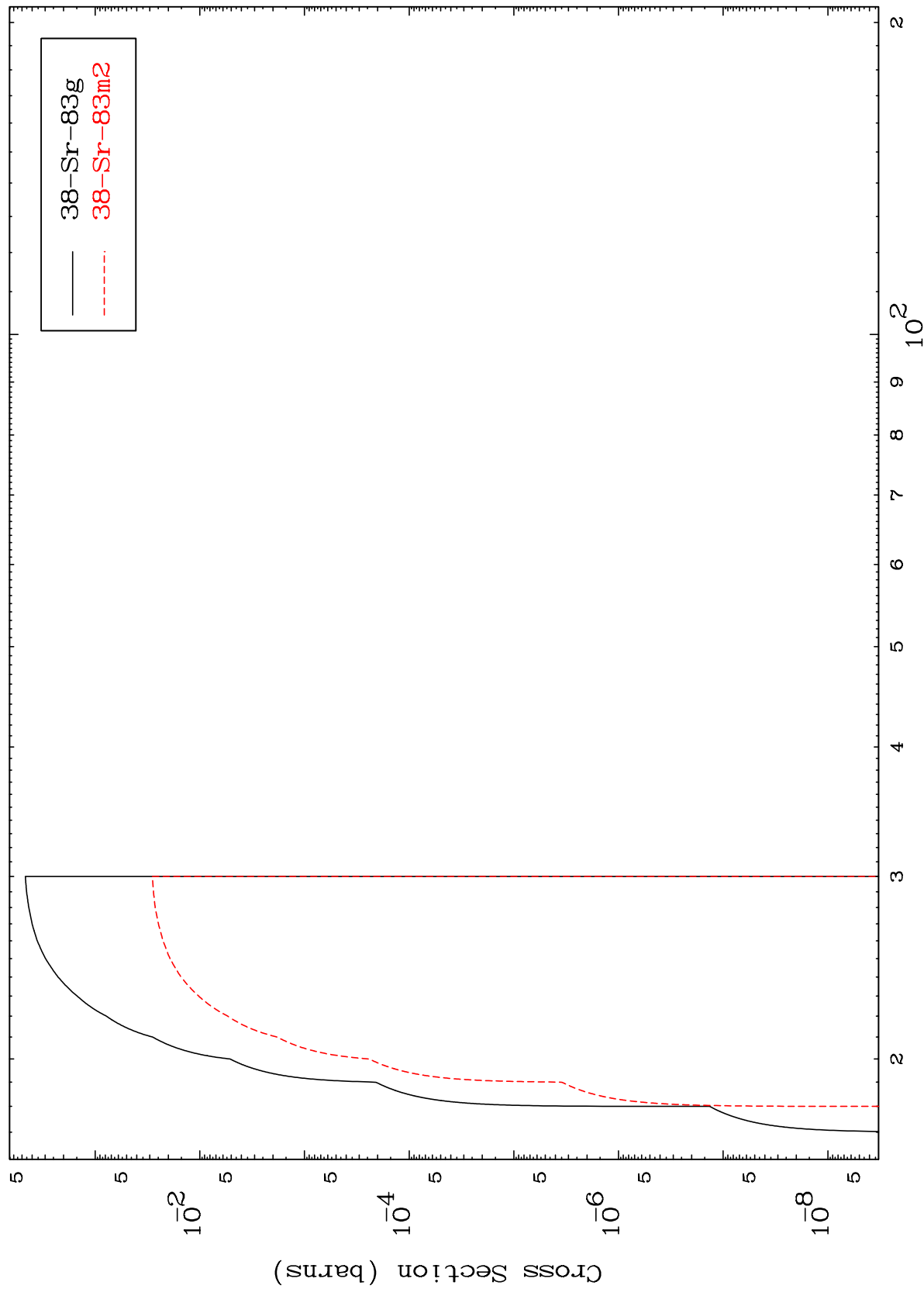


Radionuclide Production Cross Section

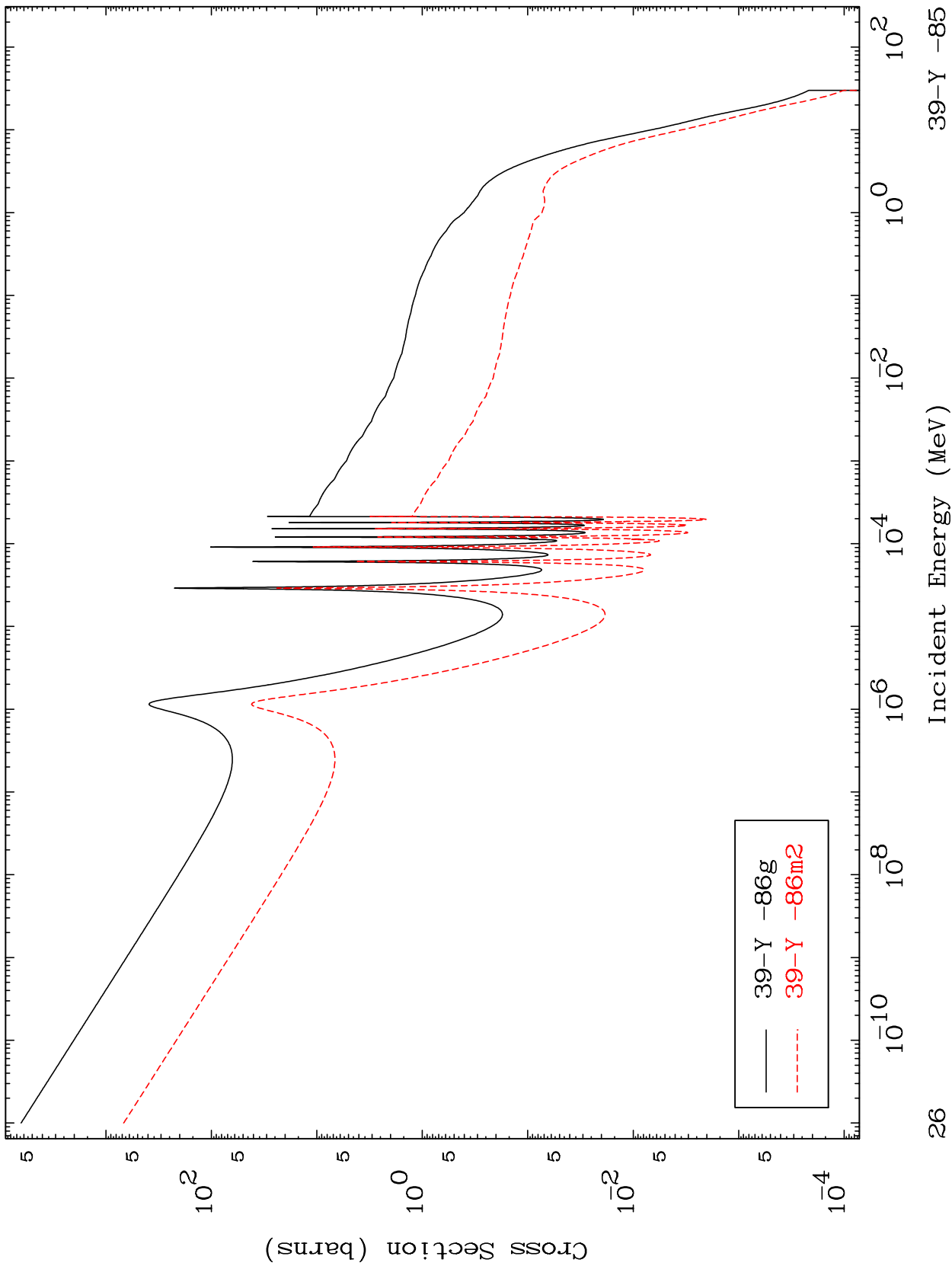


— 37-Rb-82g
- - - 37-Rb-82m1

Radionuclide Production Cross Section



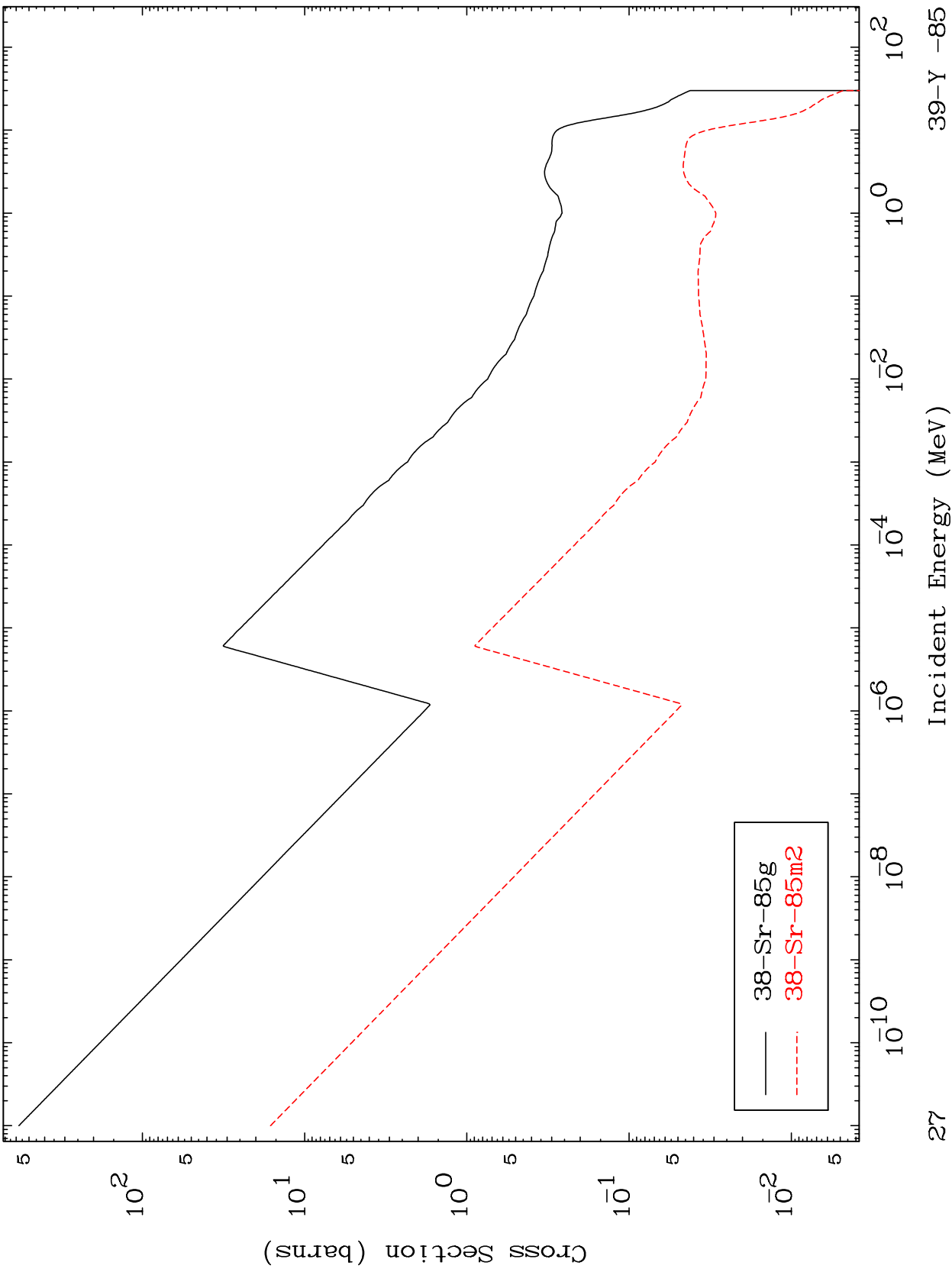
Radionuclide Production Cross Section
(n,γ)



MAT 3914

39-Y -85

Radionuclide Production Cross Section (n,p)

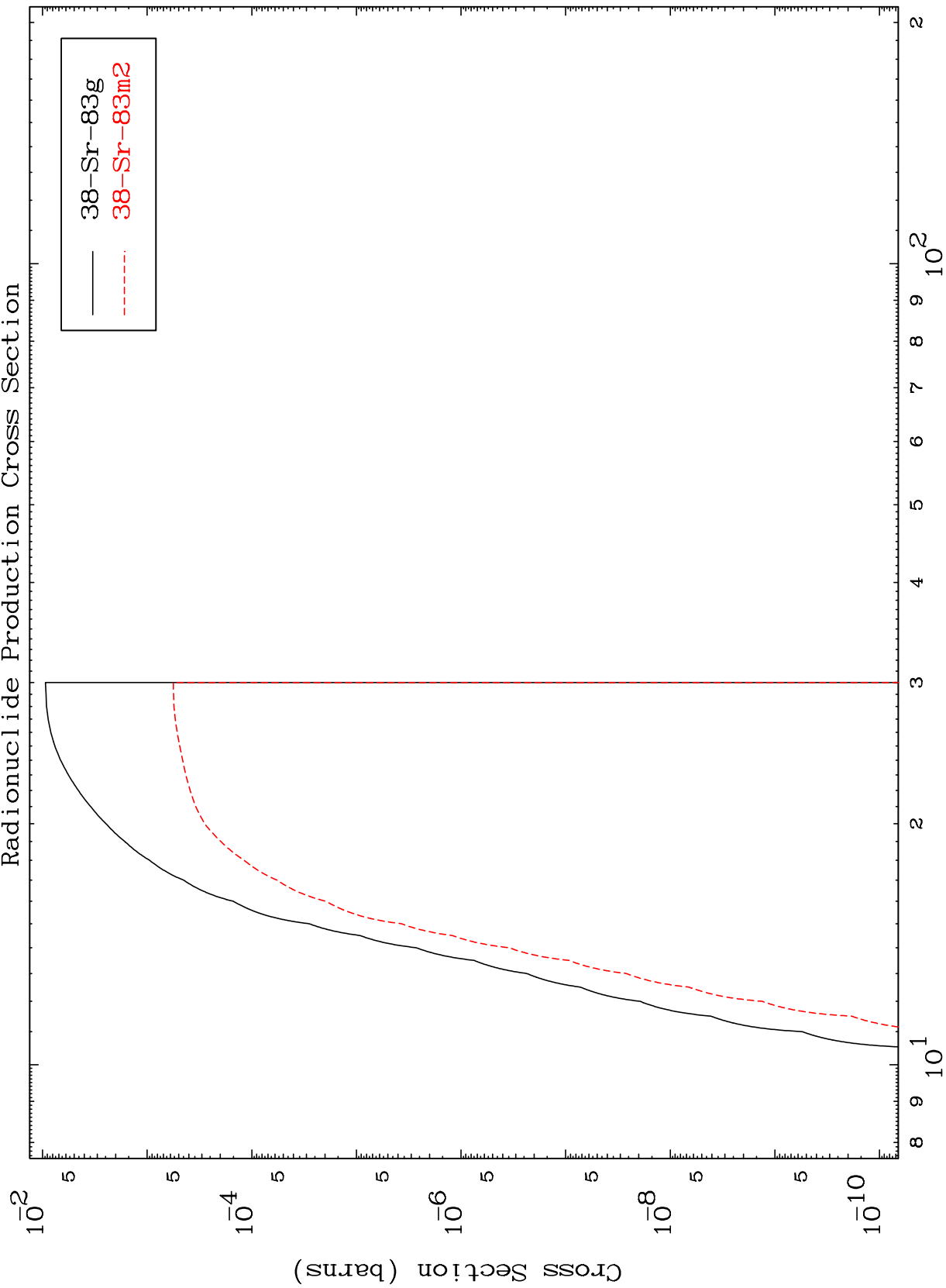


MAT 3914

(n, t)

39-Y -85

Radionuclide Production Cross Section



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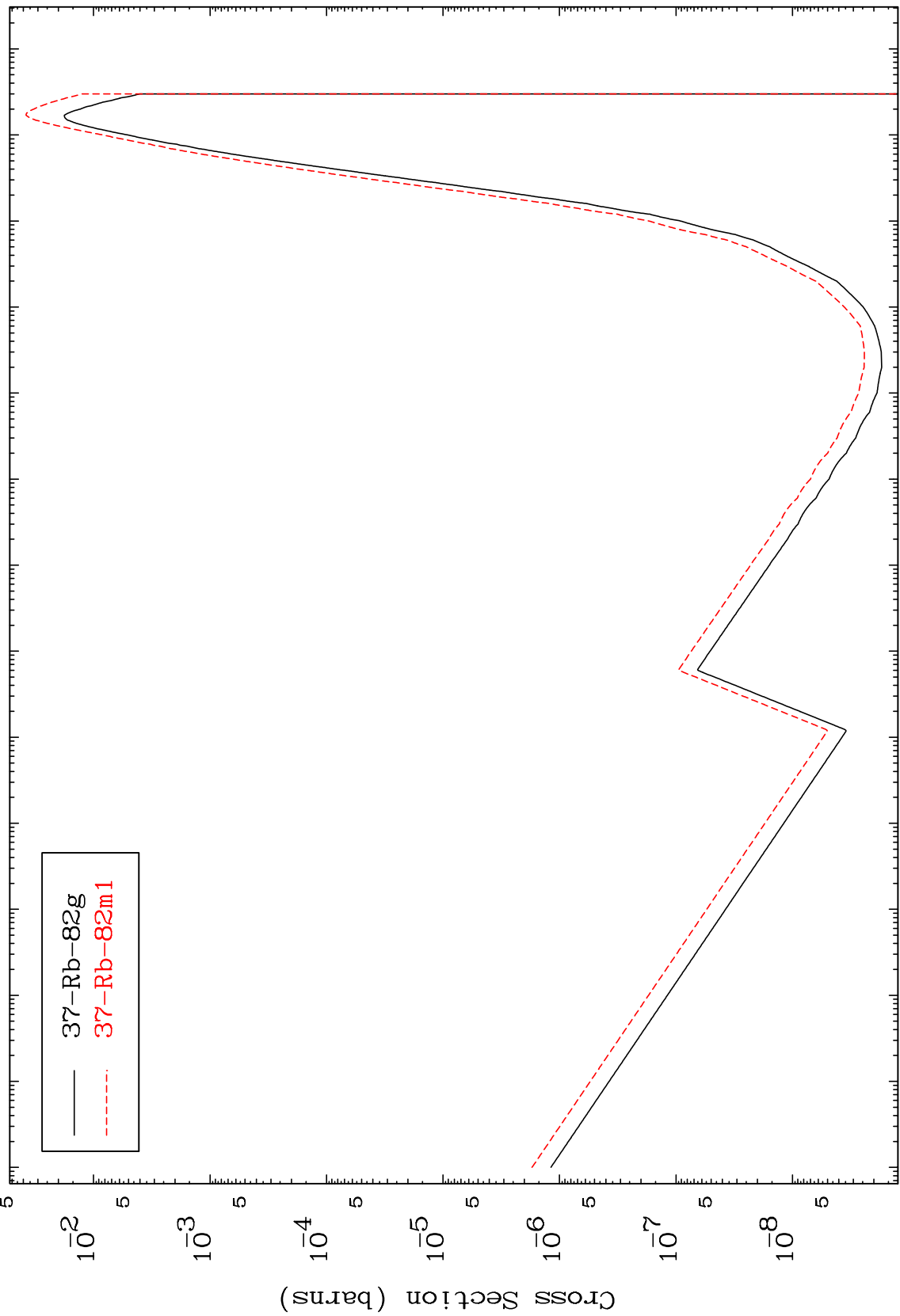
Incident Energy (MeV)

39-Y -85

MAT 3914

39-Y -85

Radionuclide Production Cross Section (n,α)

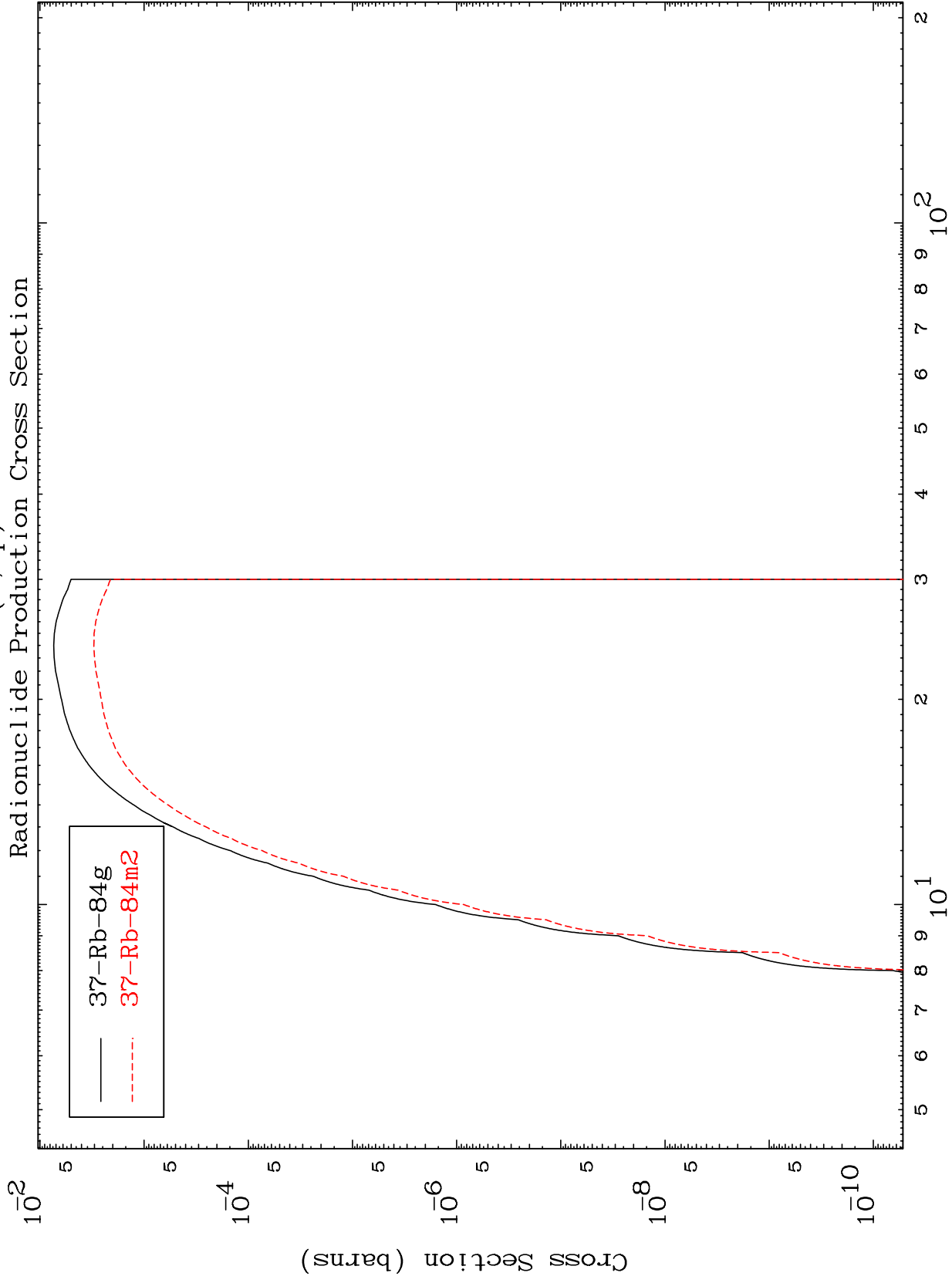


— 37-Rb-82g
- - - 37-Rb-82m1

MAT 3914

39-Y -85

Radionuclide Production Cross Section
(n,2p)



— 37-Rb-84g
- - - 37-Rb-84m2

Incident Energy (MeV)

39-Y -85

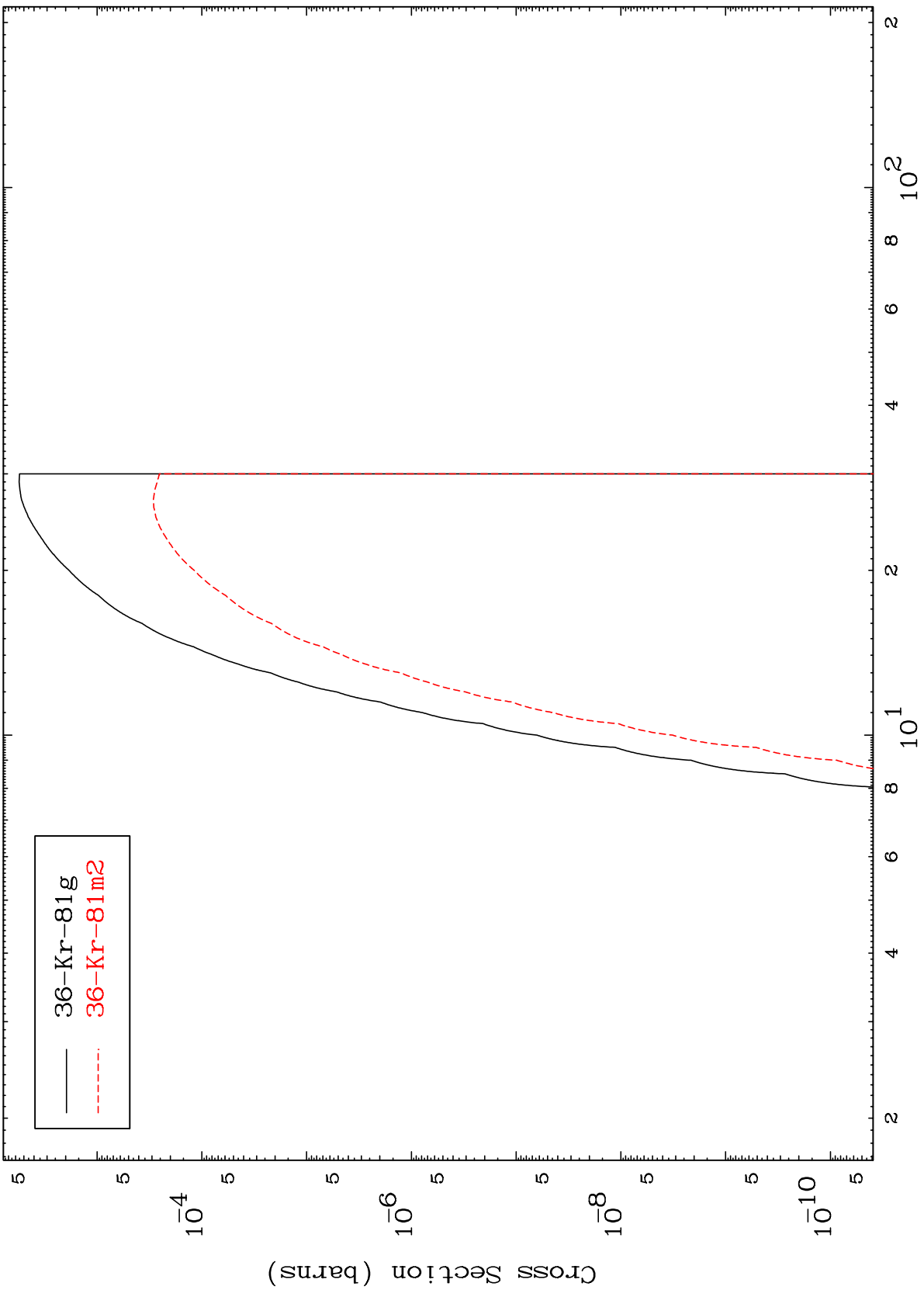
30

MAT 3914

(n,p) α

39-Y -85

Radionuclide Production Cross Section



— 36-Kr-81 g
- - - 36-Kr-81 m2

31

Incident Energy (MeV)

39-Y -85

