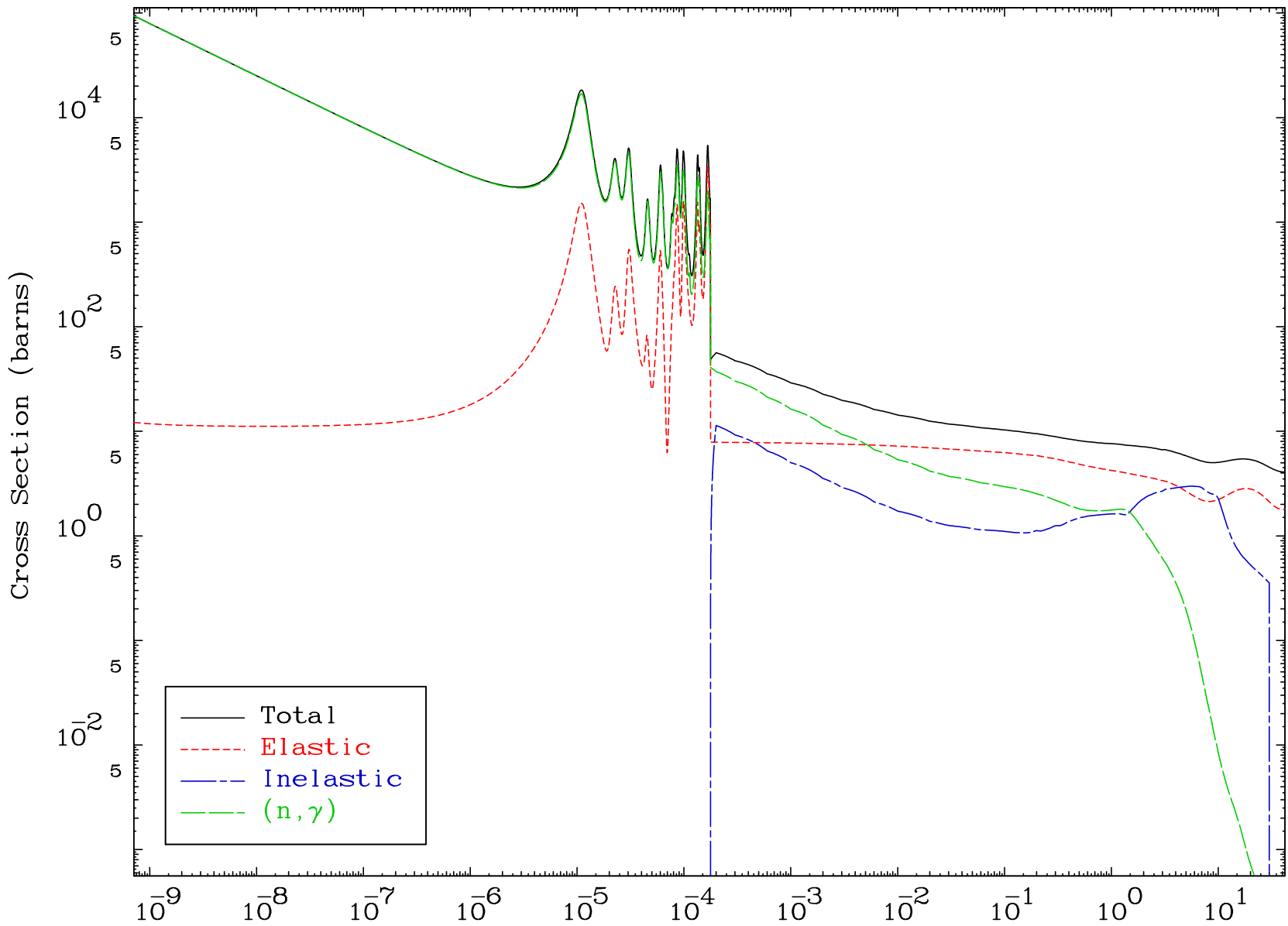


MAT 7238

Major  
294 Kelvin Cross Sections

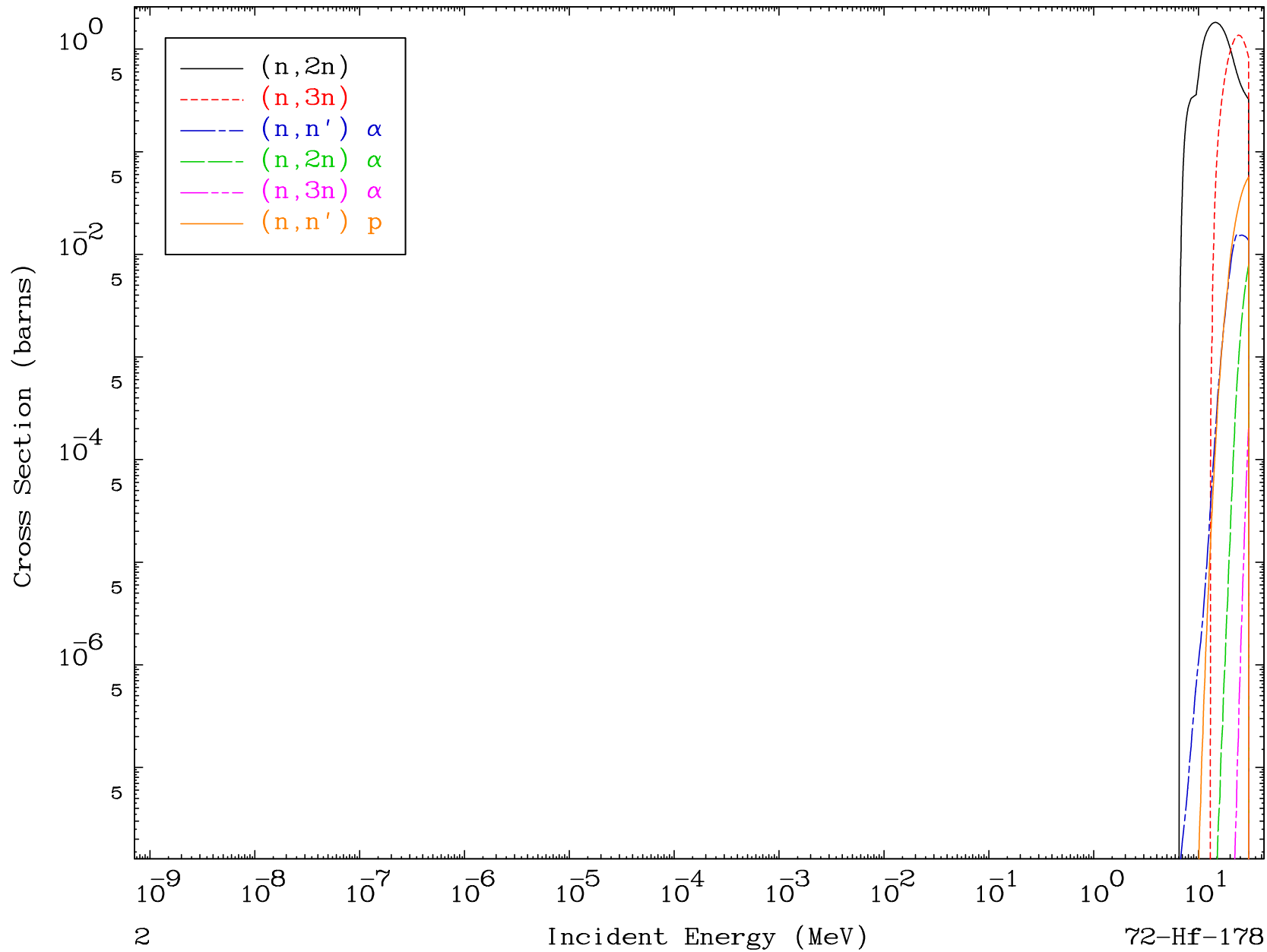
72-Hf-178

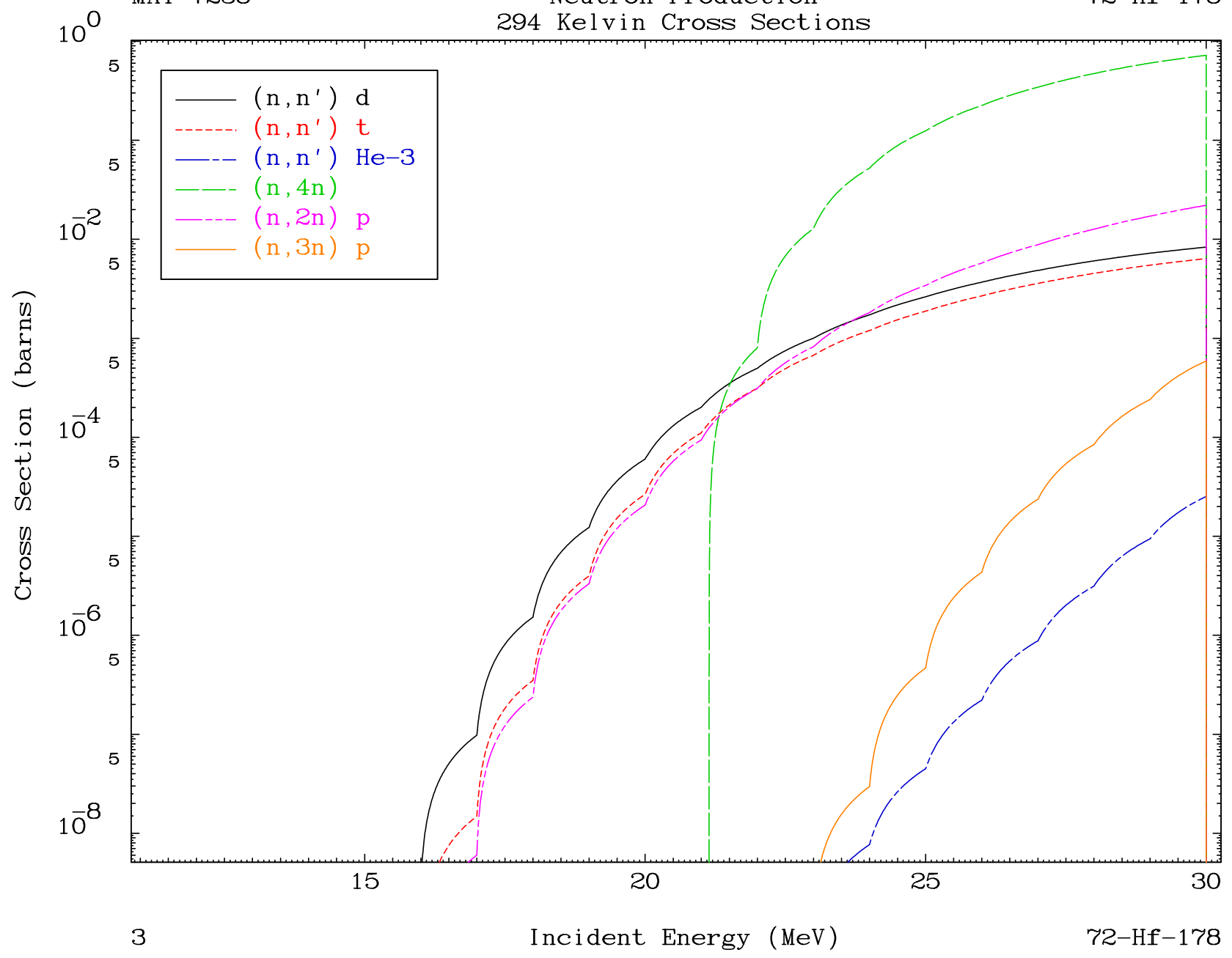


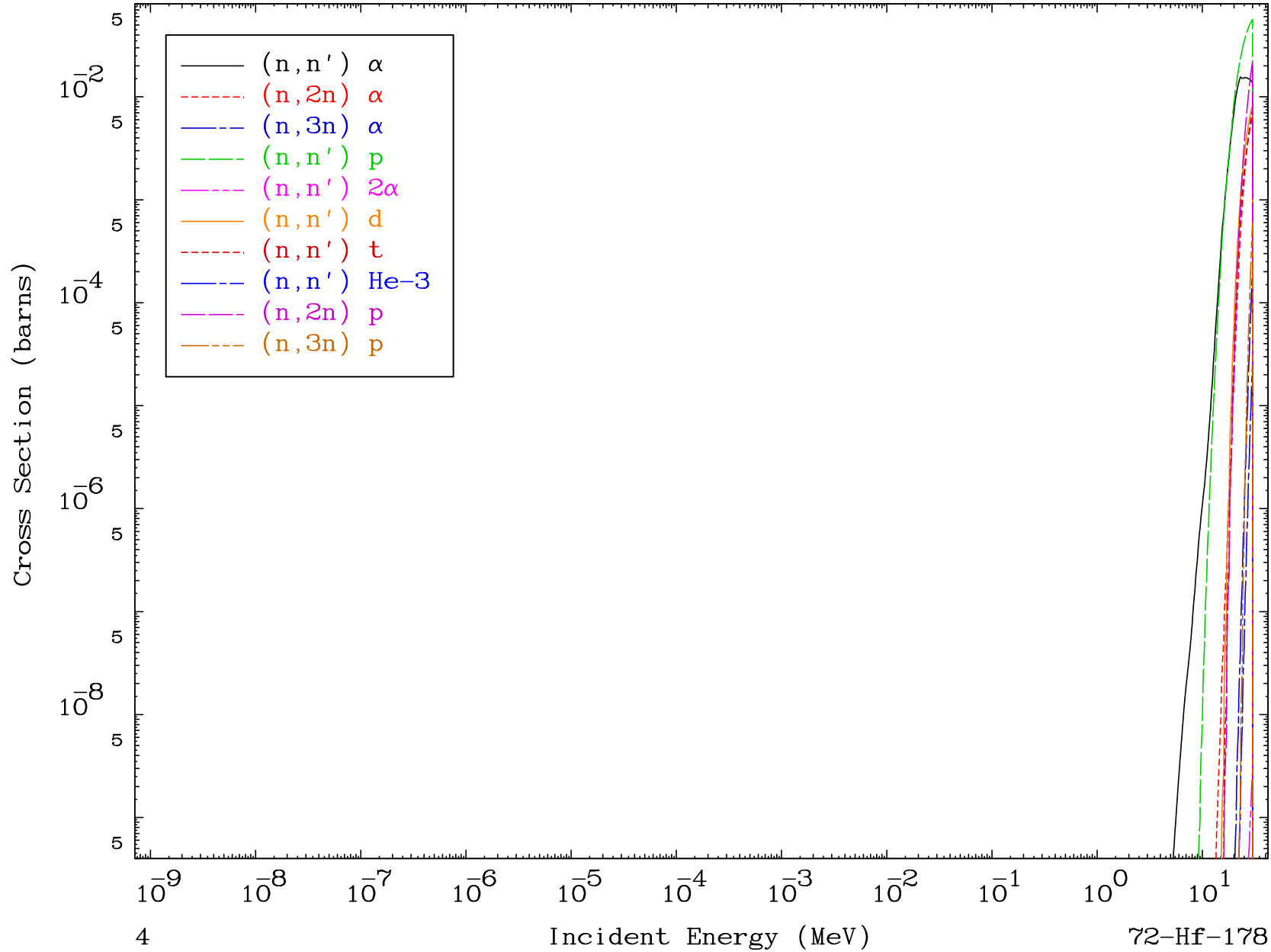
1

Incident Energy (MeV)

72-Hf-178



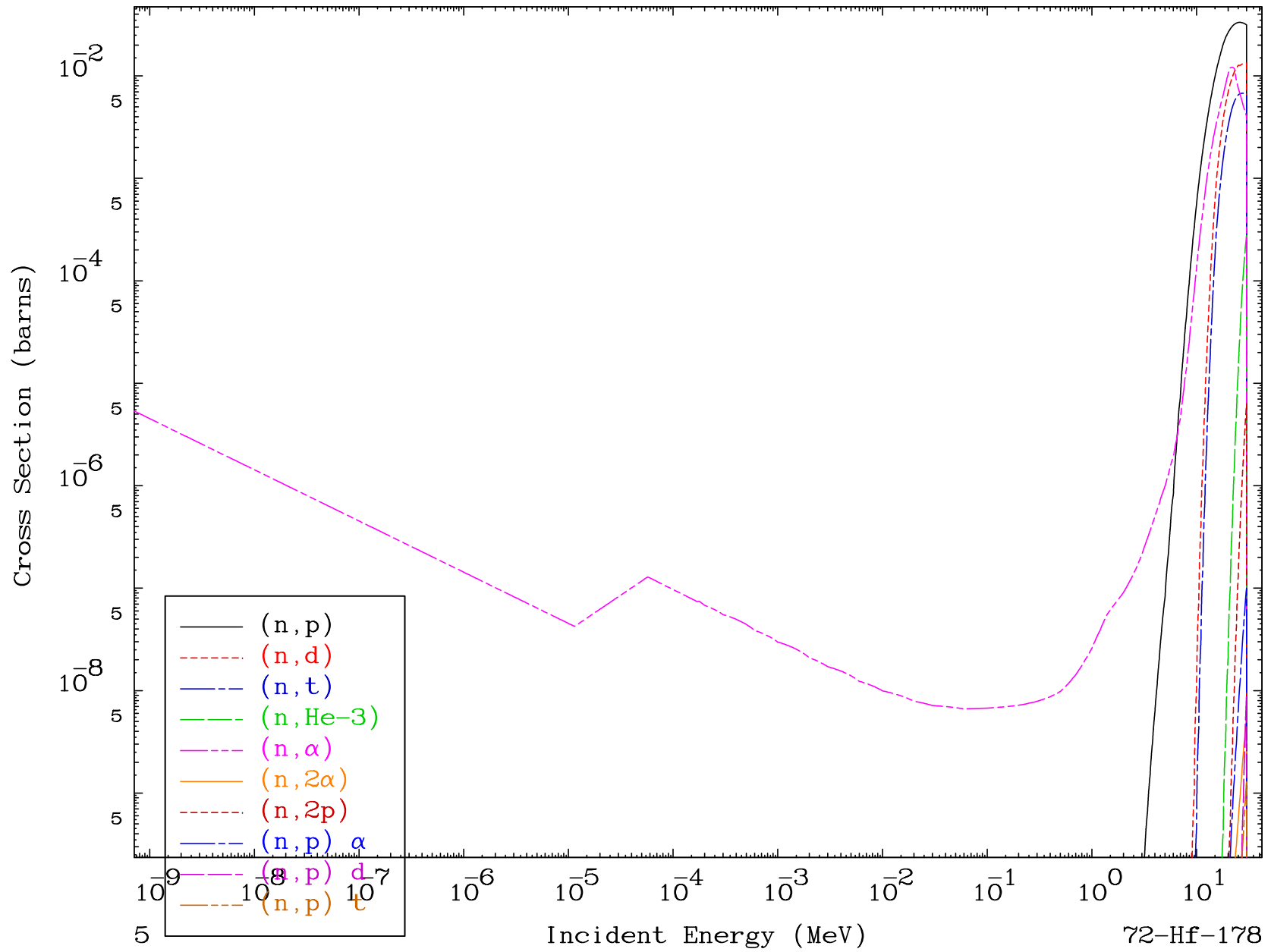


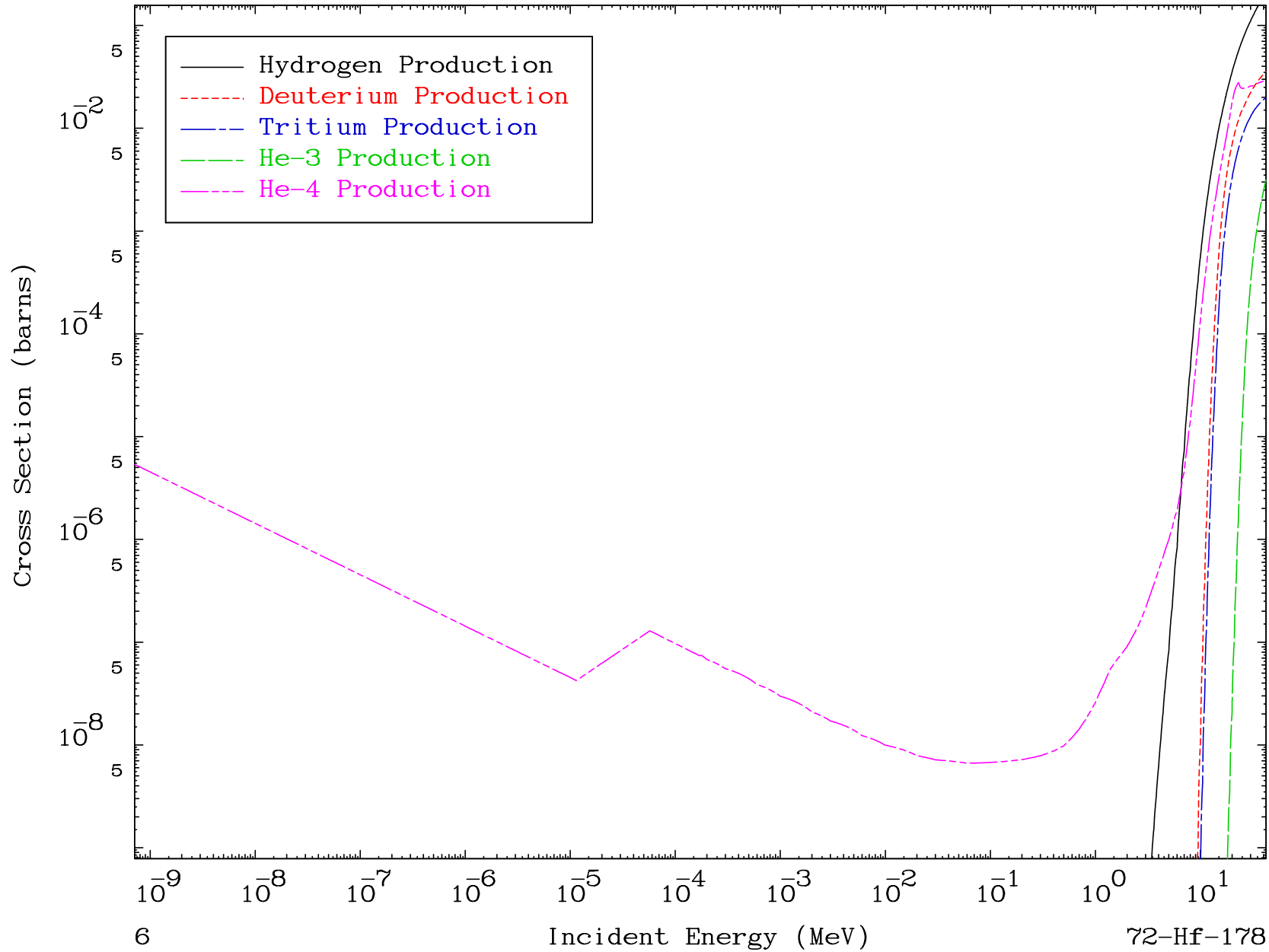


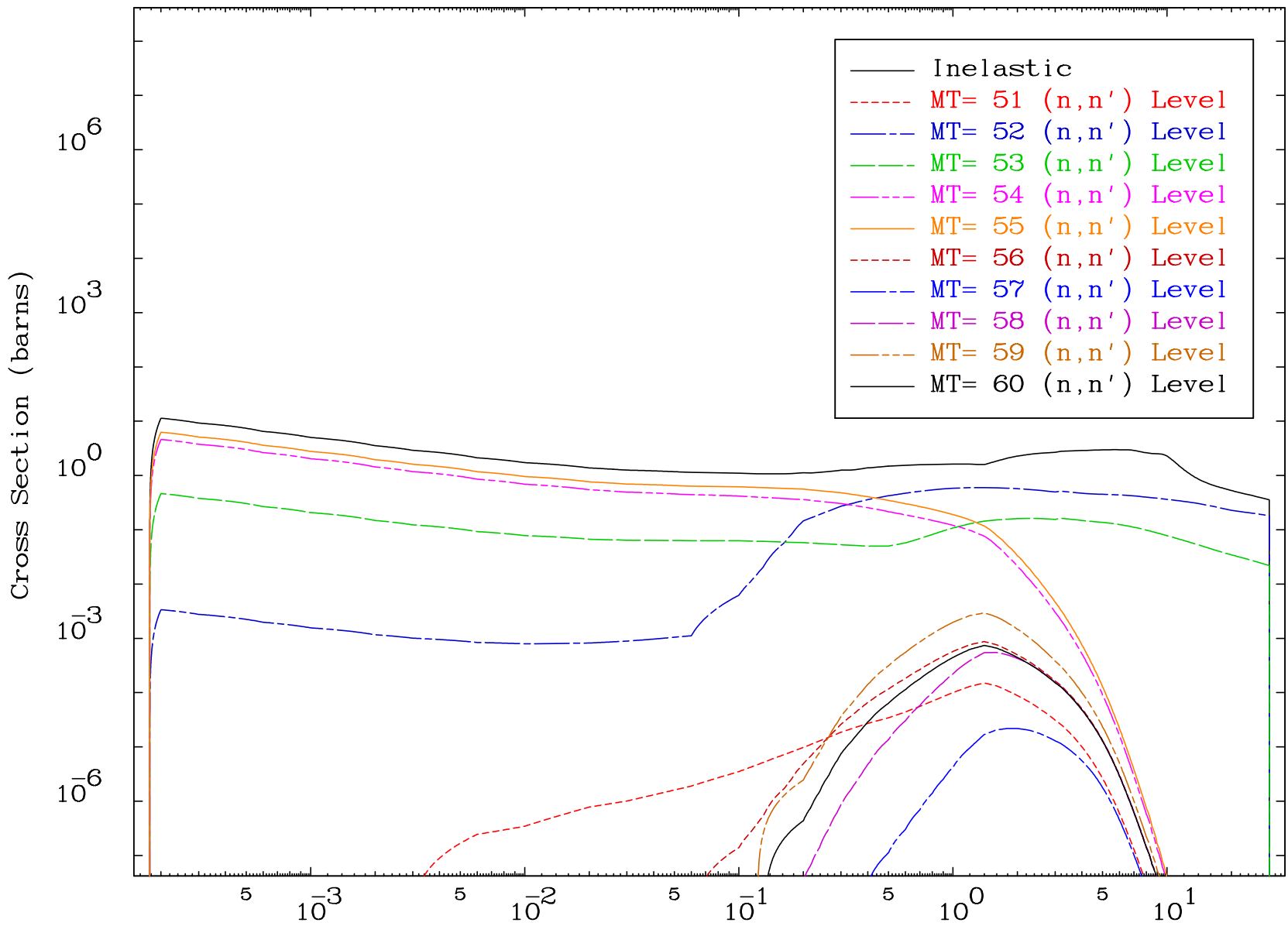
MAT 7238

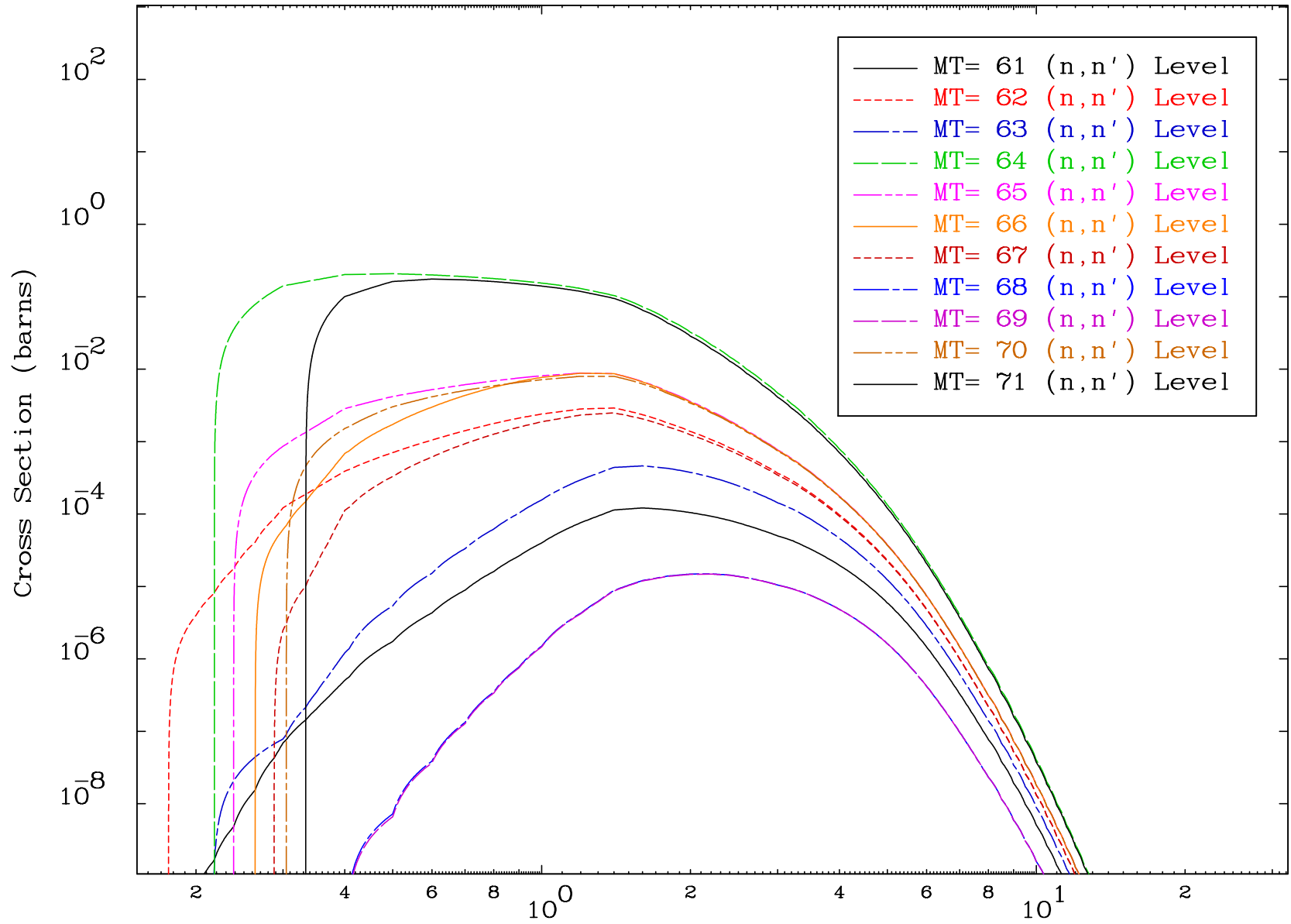
Charged Particle  
294 Kelvin Cross Sections

72-Hf-178

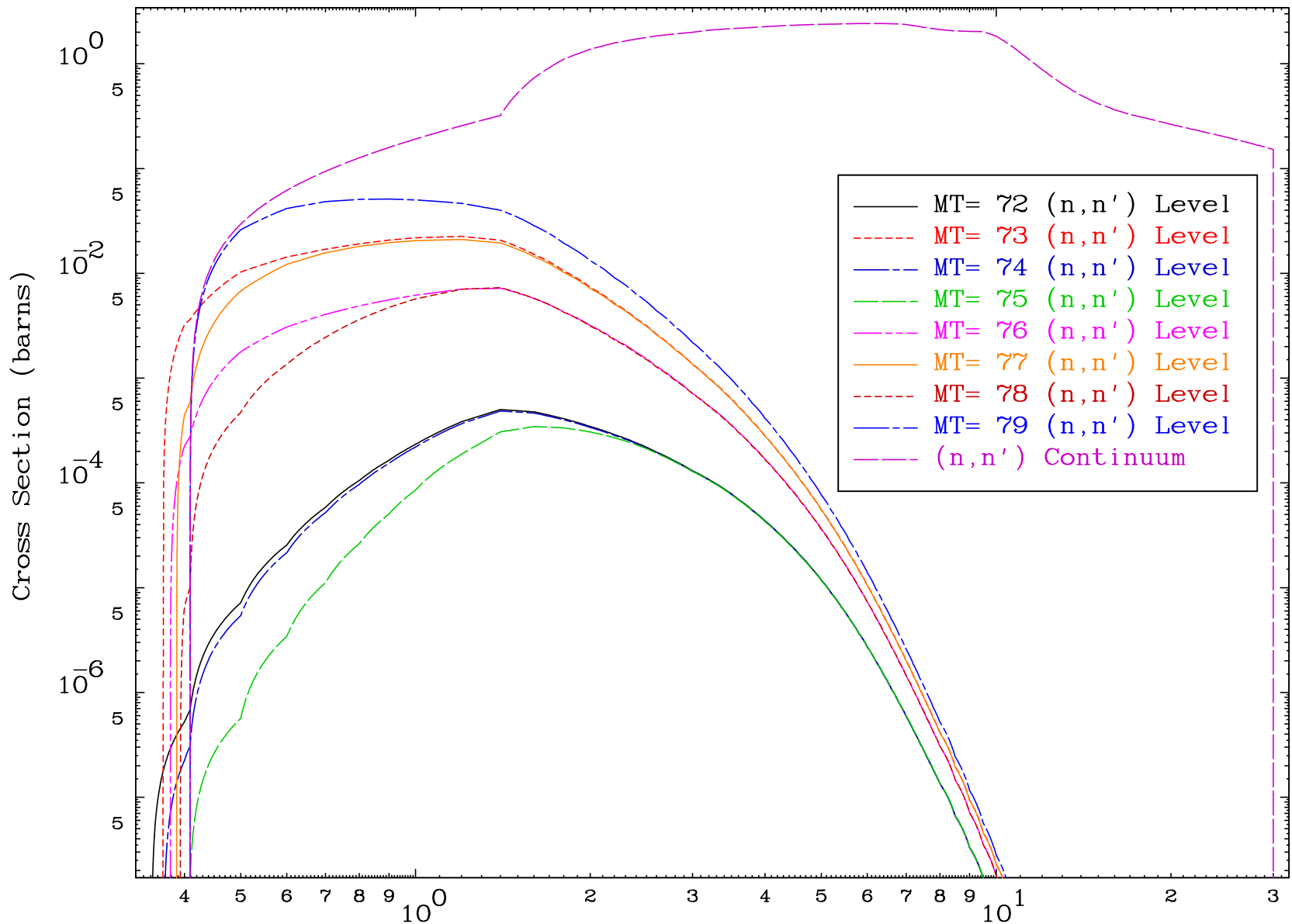








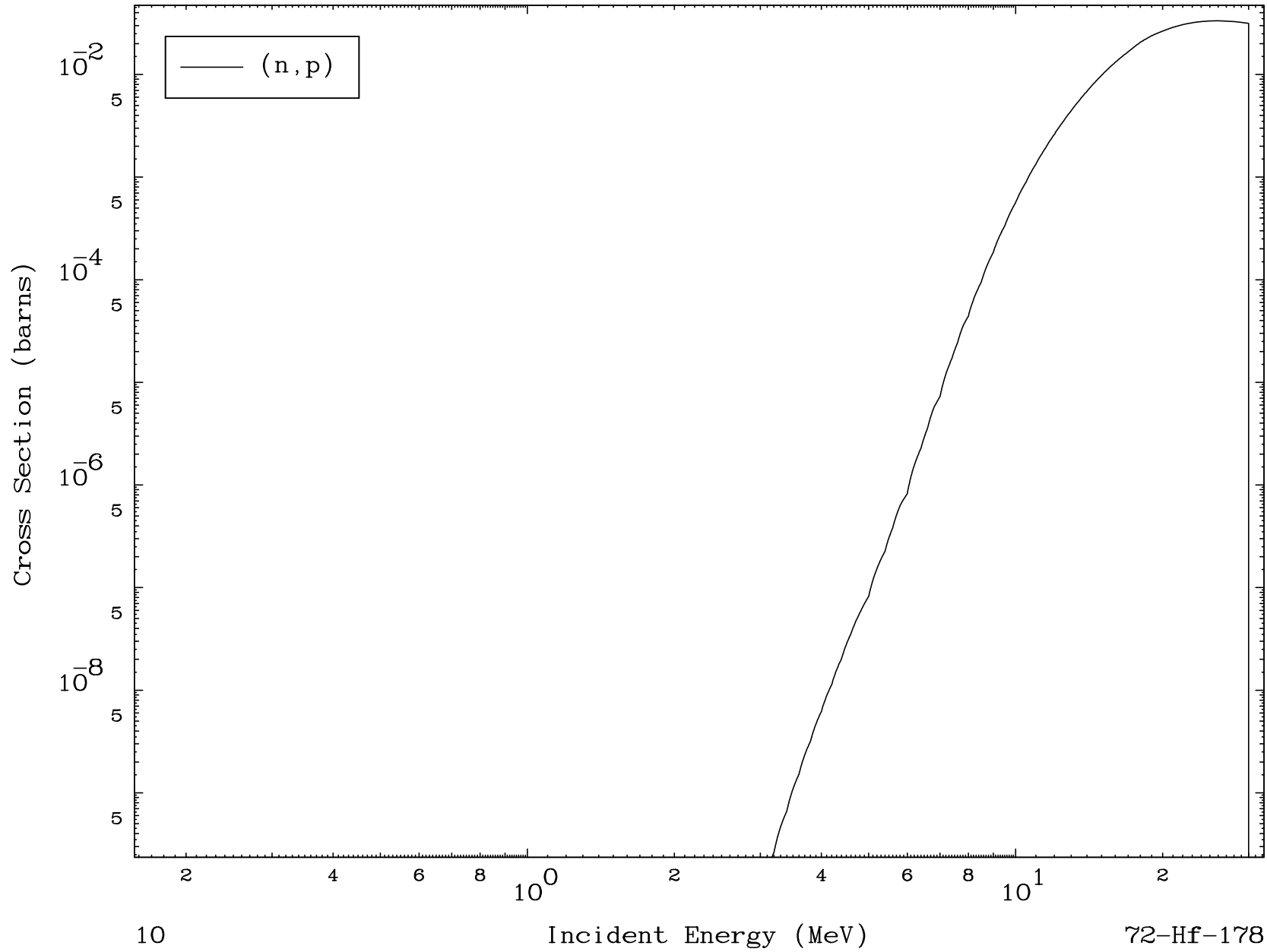




MAT 7238

(n,p) Levels  
294 Kelvin Cross Sections

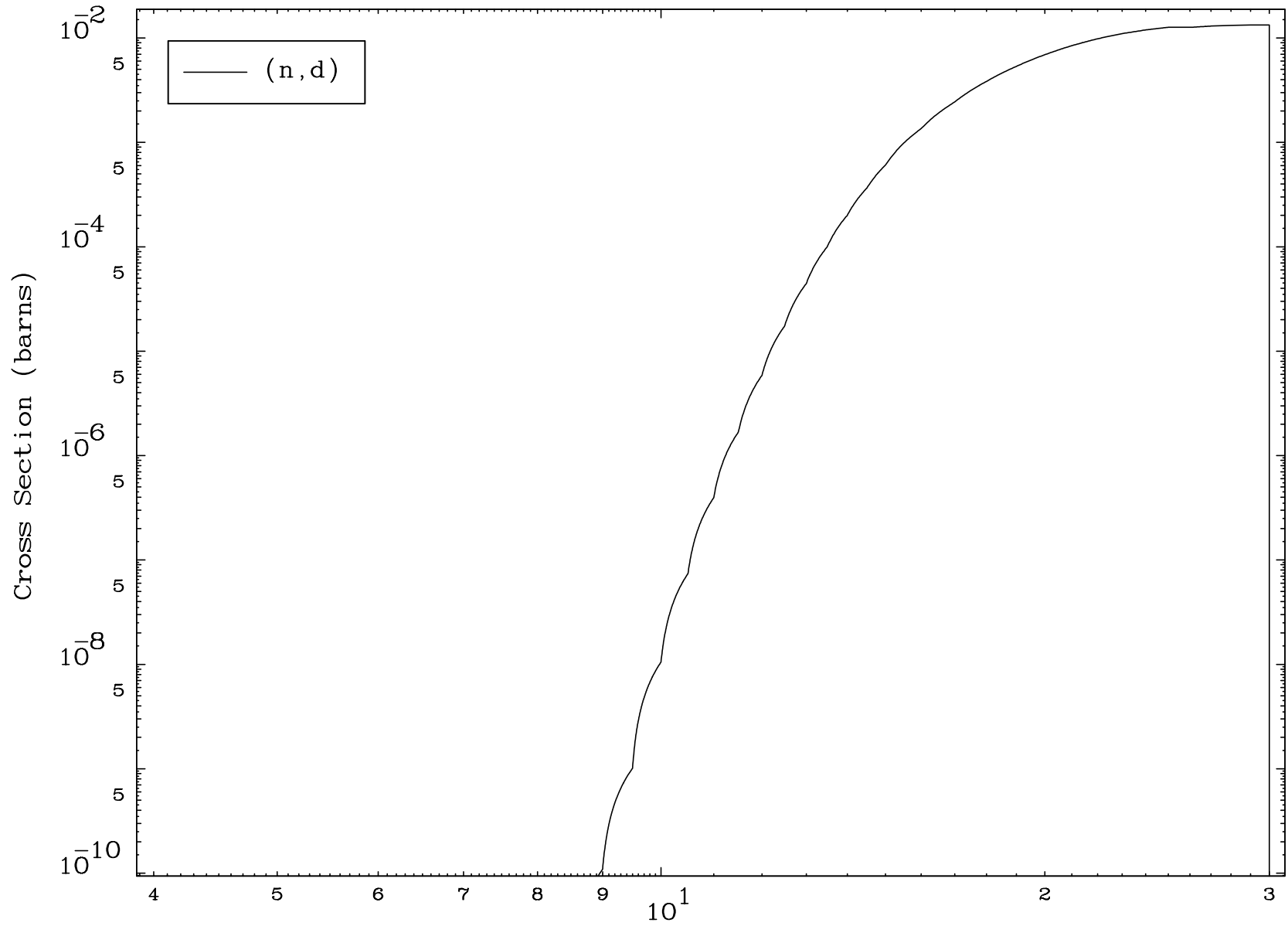
72-Hf-178

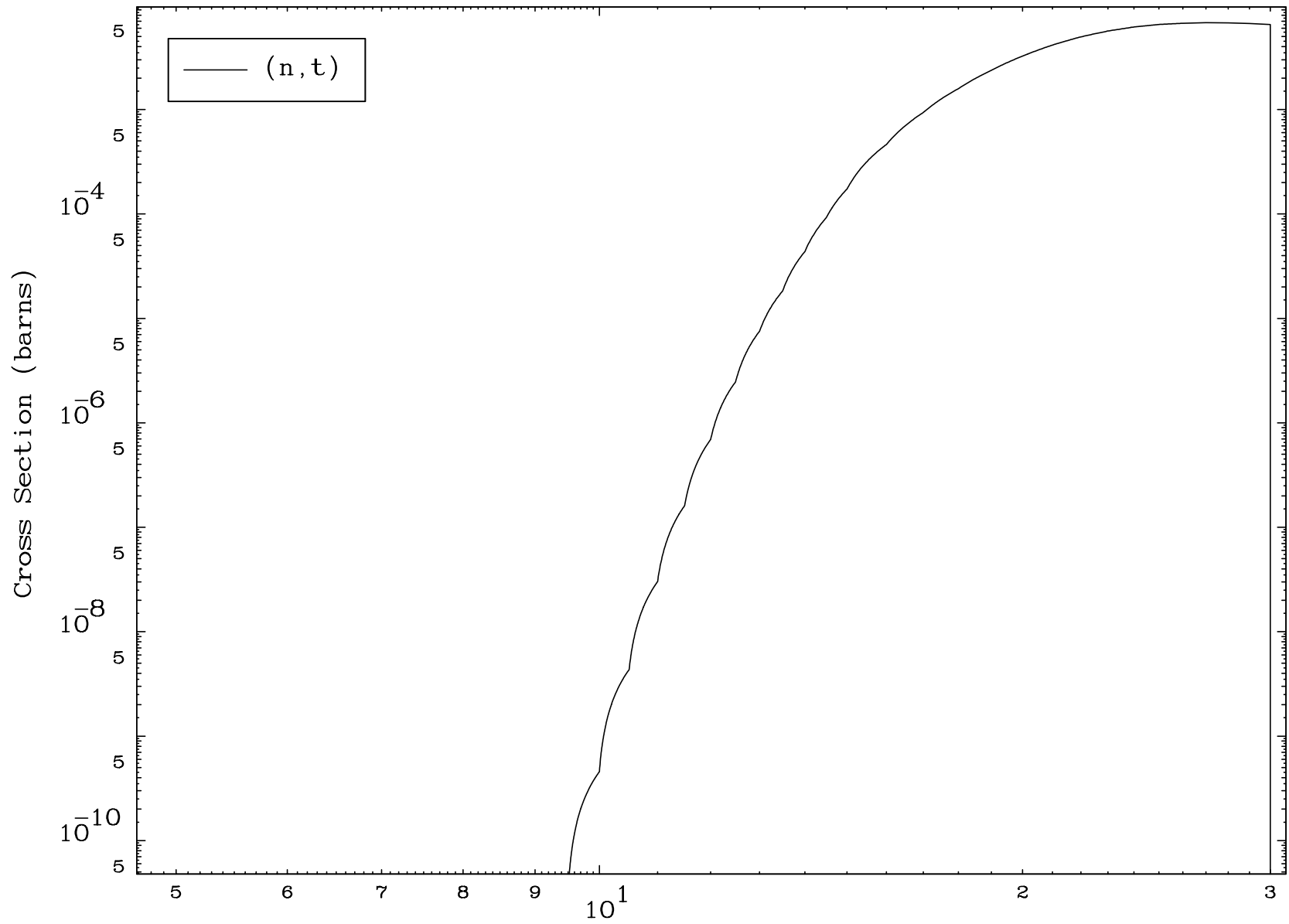


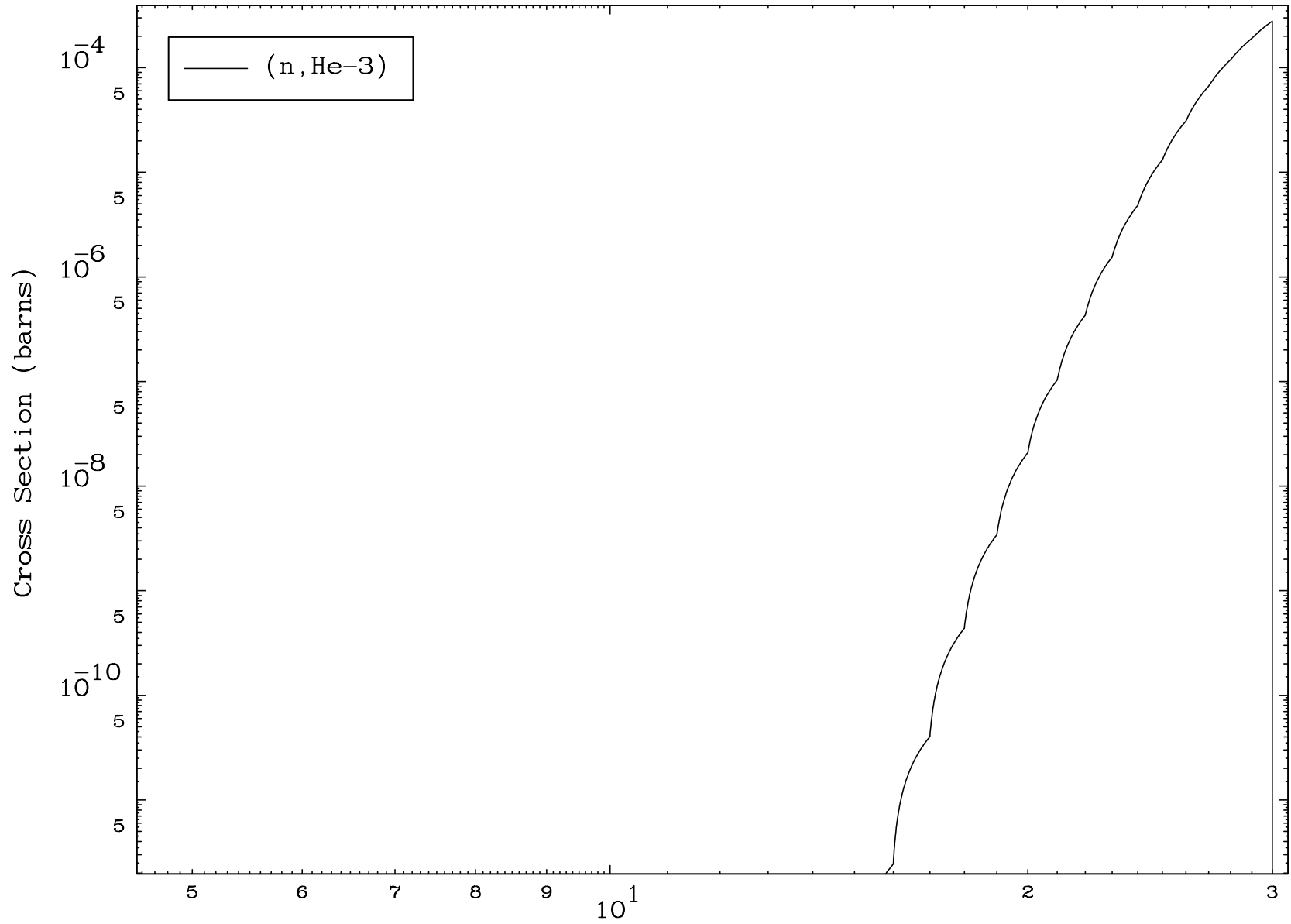
10

Incident Energy (MeV)

72-Hf-178



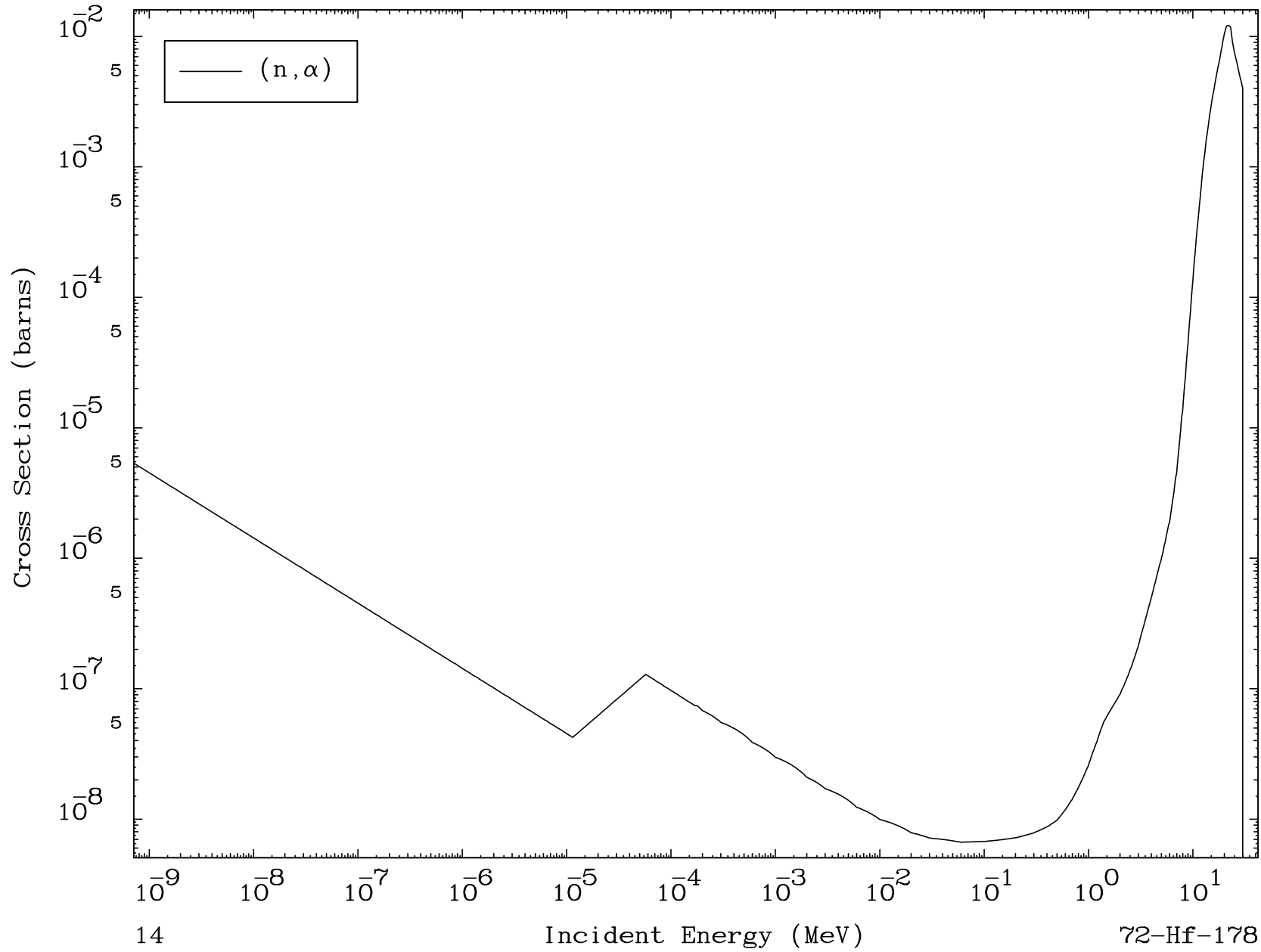




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(n,α) Levels  
294 Kelvin Cross Sections

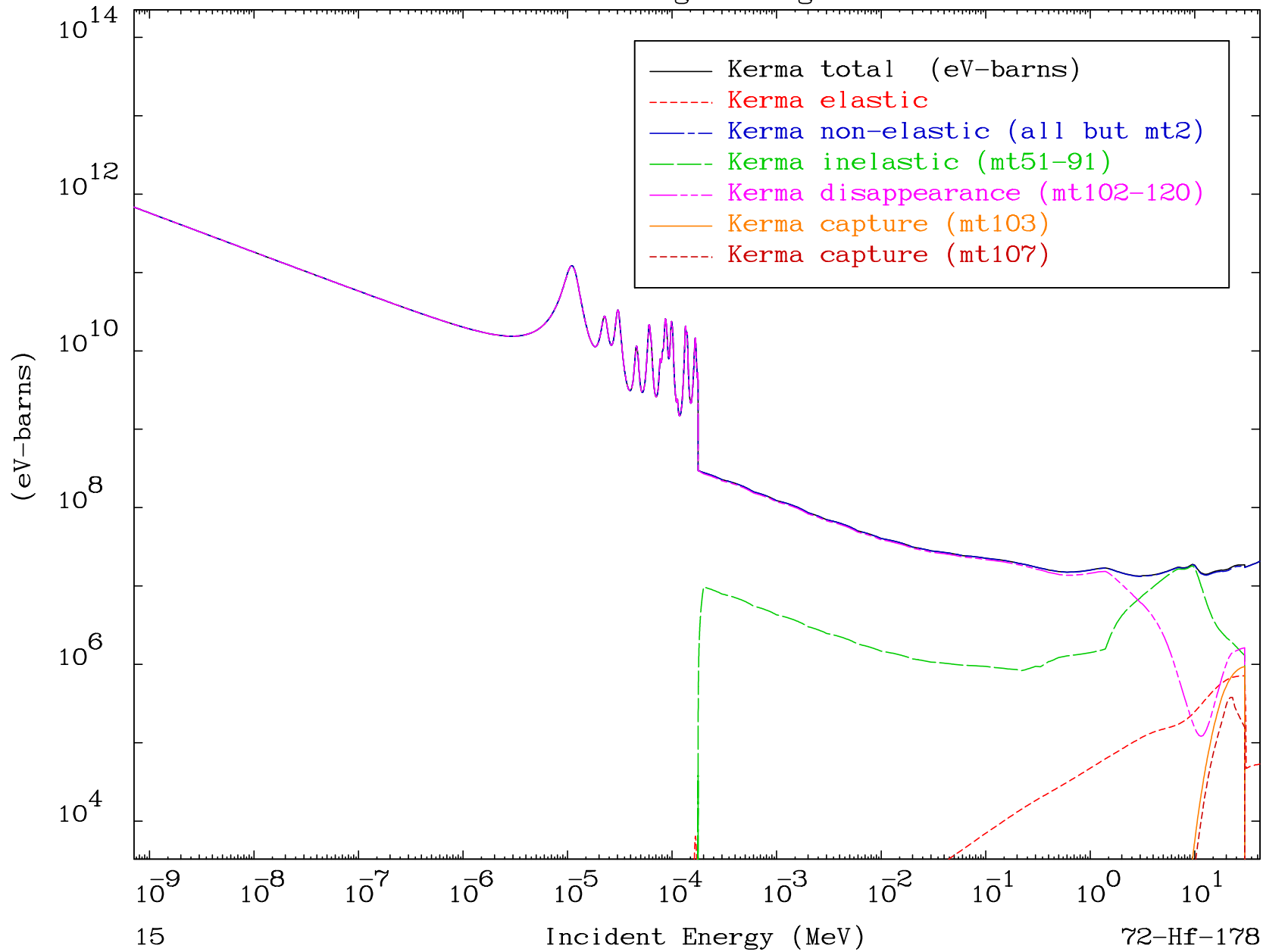
72-Hf-178



14

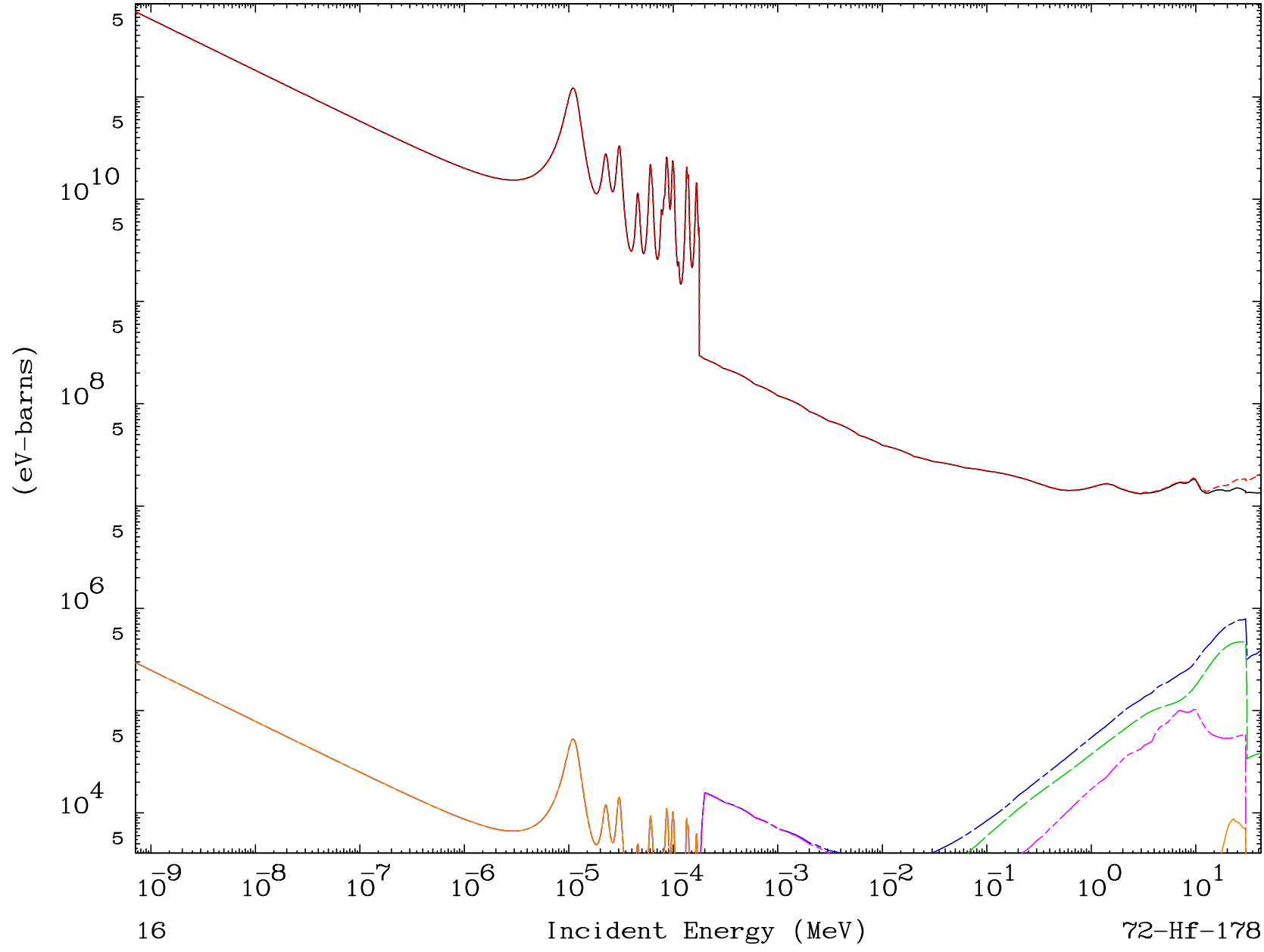
Incident Energy (MeV)

72-Hf-178



--- Dpa total (eV-barns)  
 --- Dpa elastic (mt2)  
 --- Dpa inelastic (mt51-91)  
 --- Dpa disappearance (mt102-120)

MAT 7238 Energy Release Heating = Damage 72-Hf-178

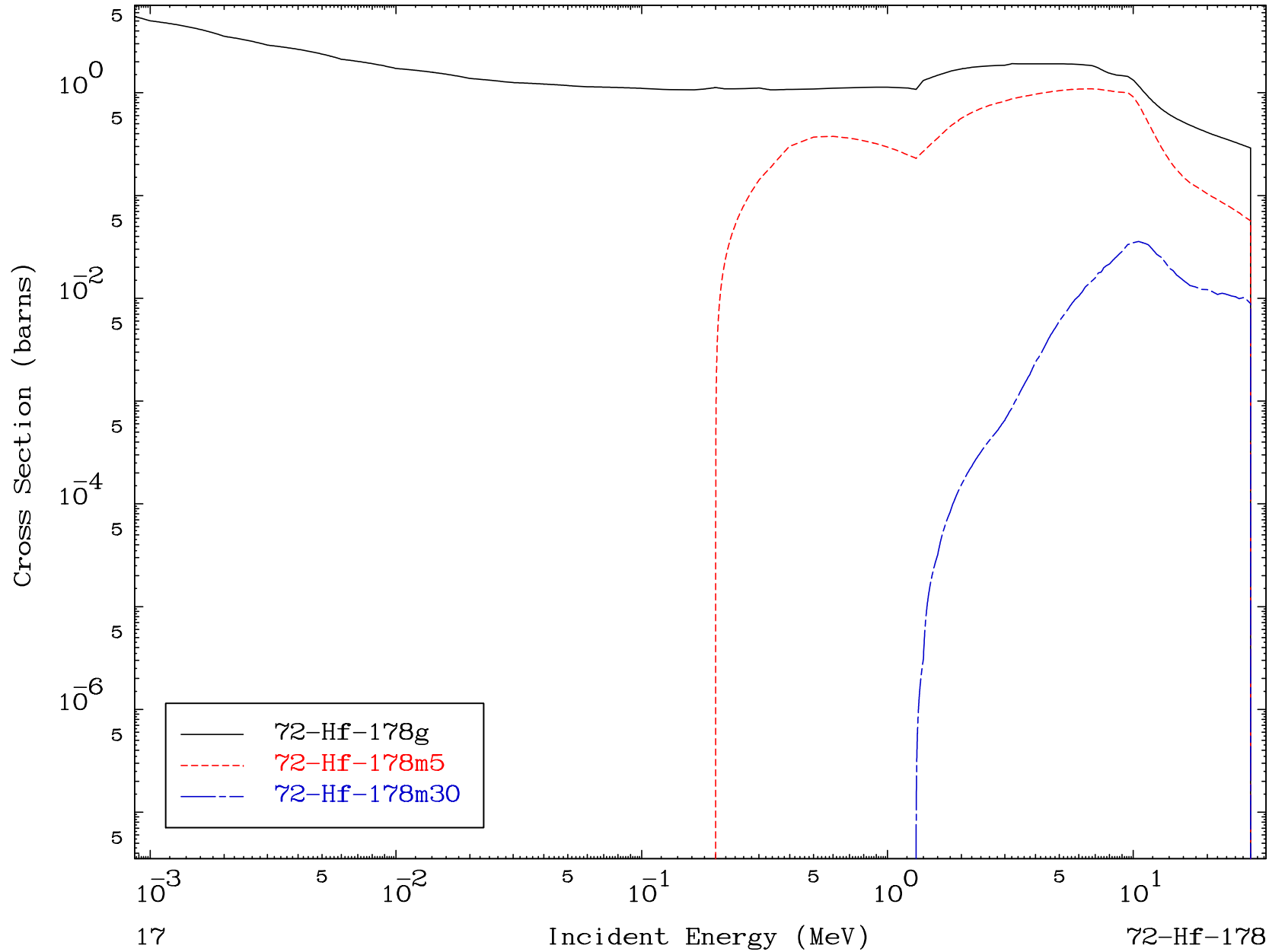




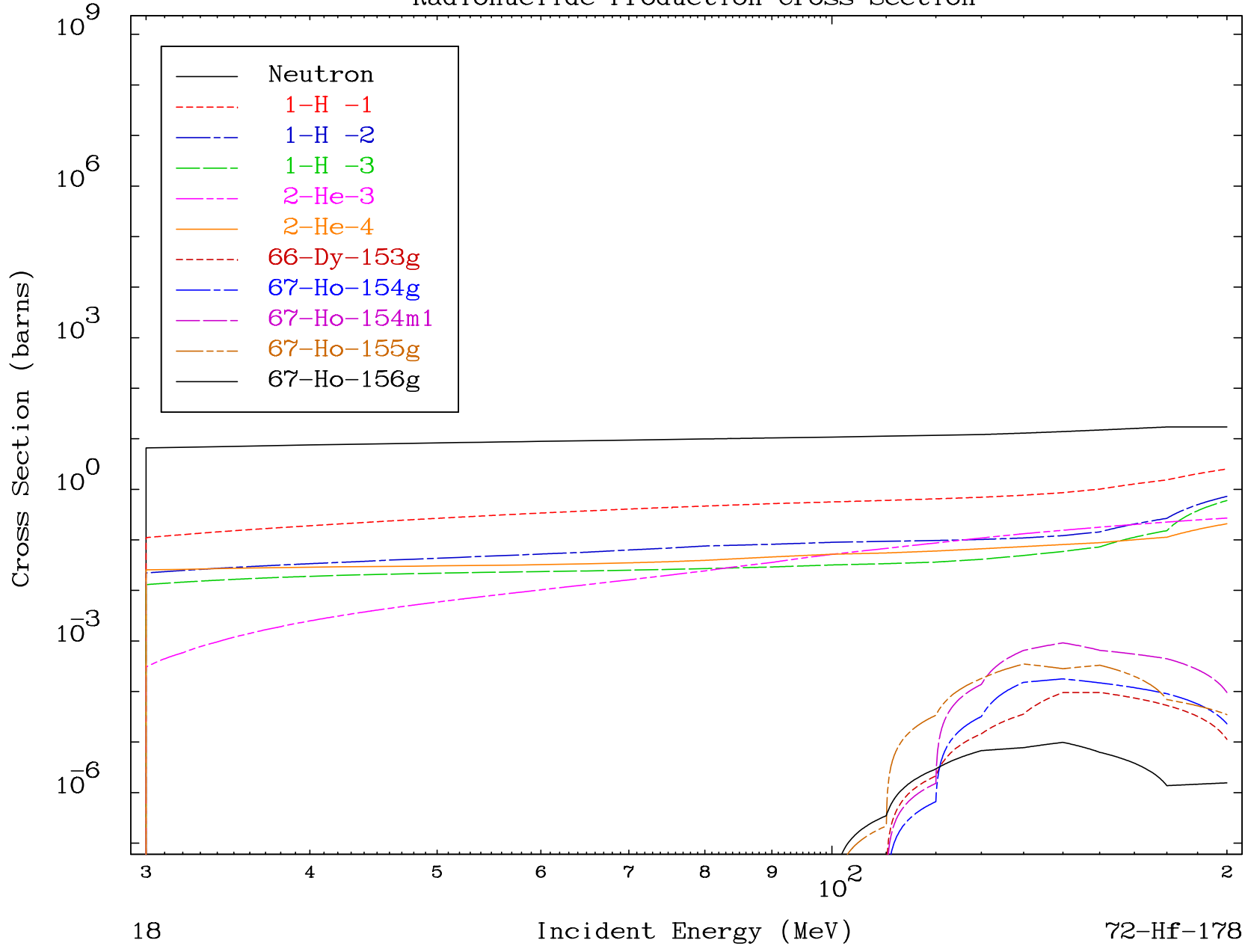
MAT 7238

Inelastic  
Radionuclide Production Cross Section

72-Hf-178



Radionuclide Production Cross Section

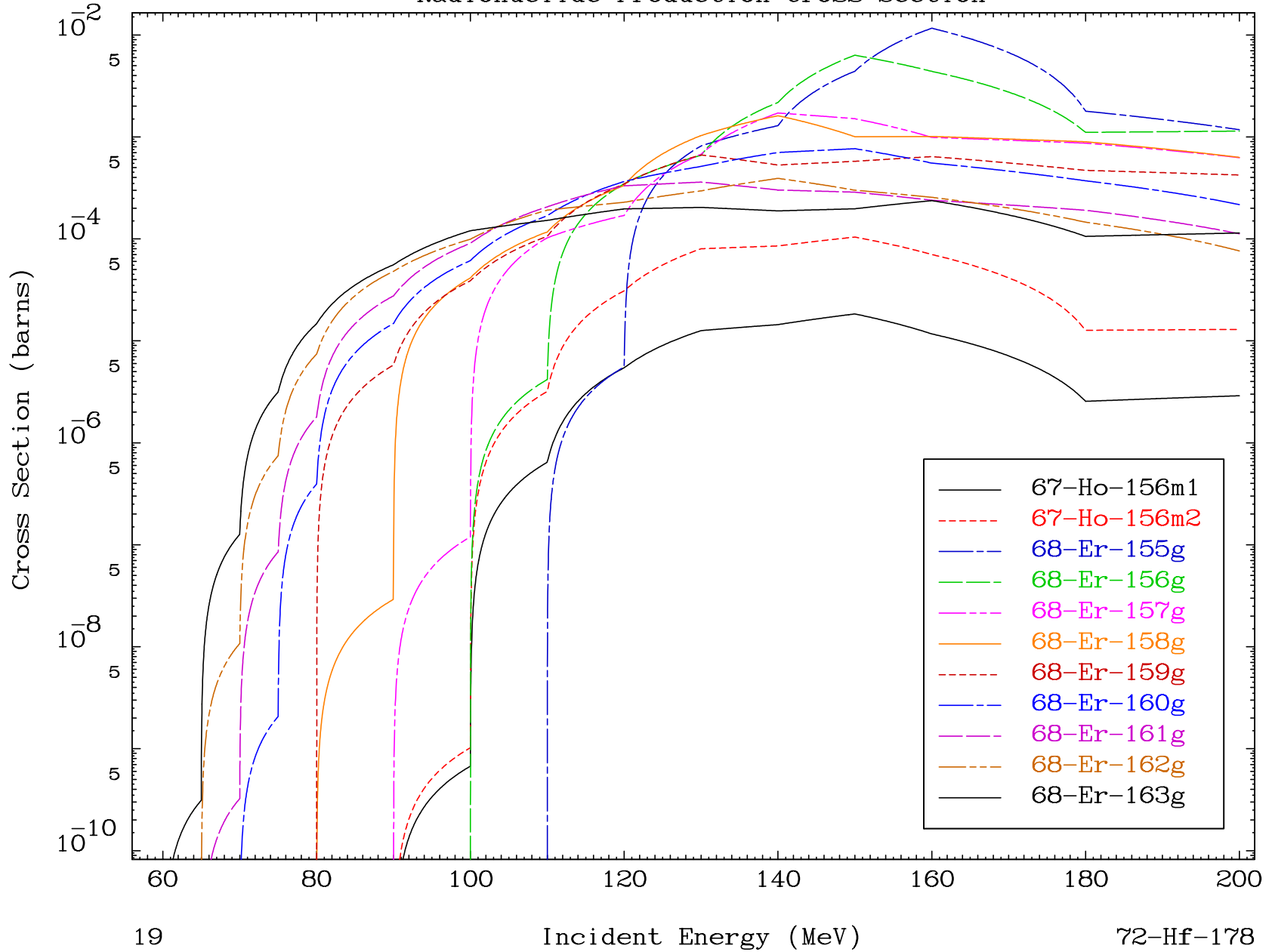


MAT 7238

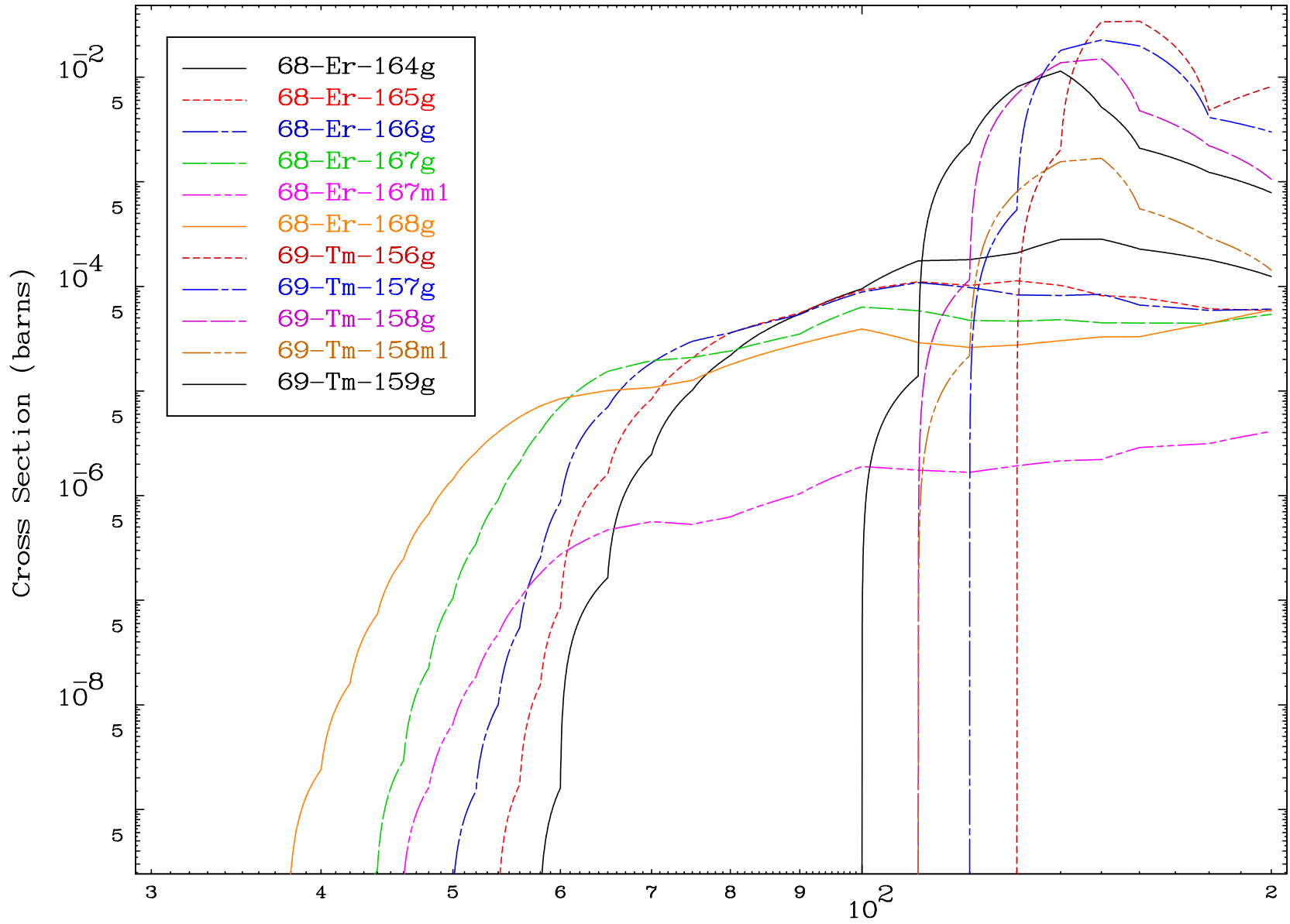
(n,remainder)

72-Hf-178

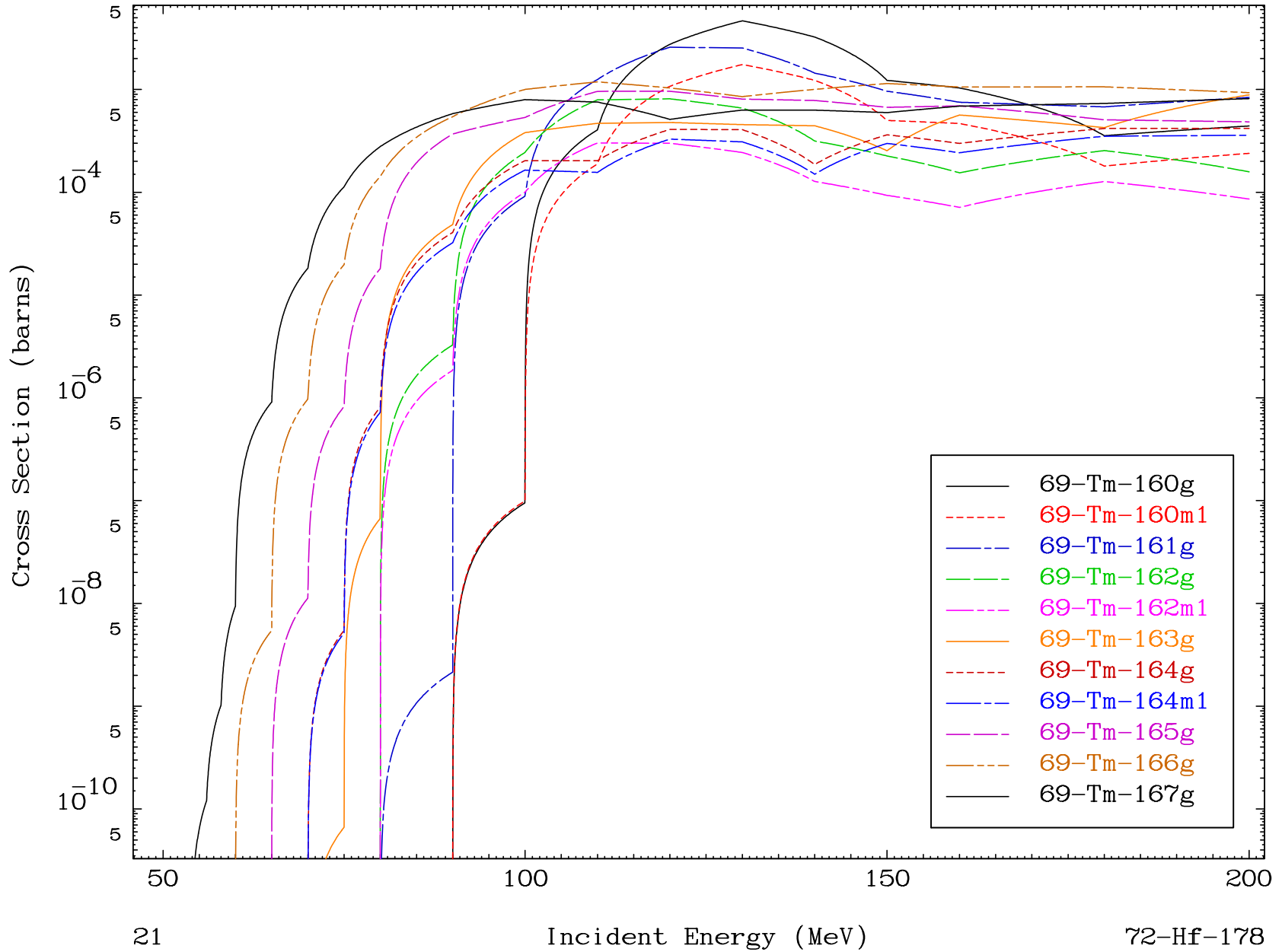
### Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

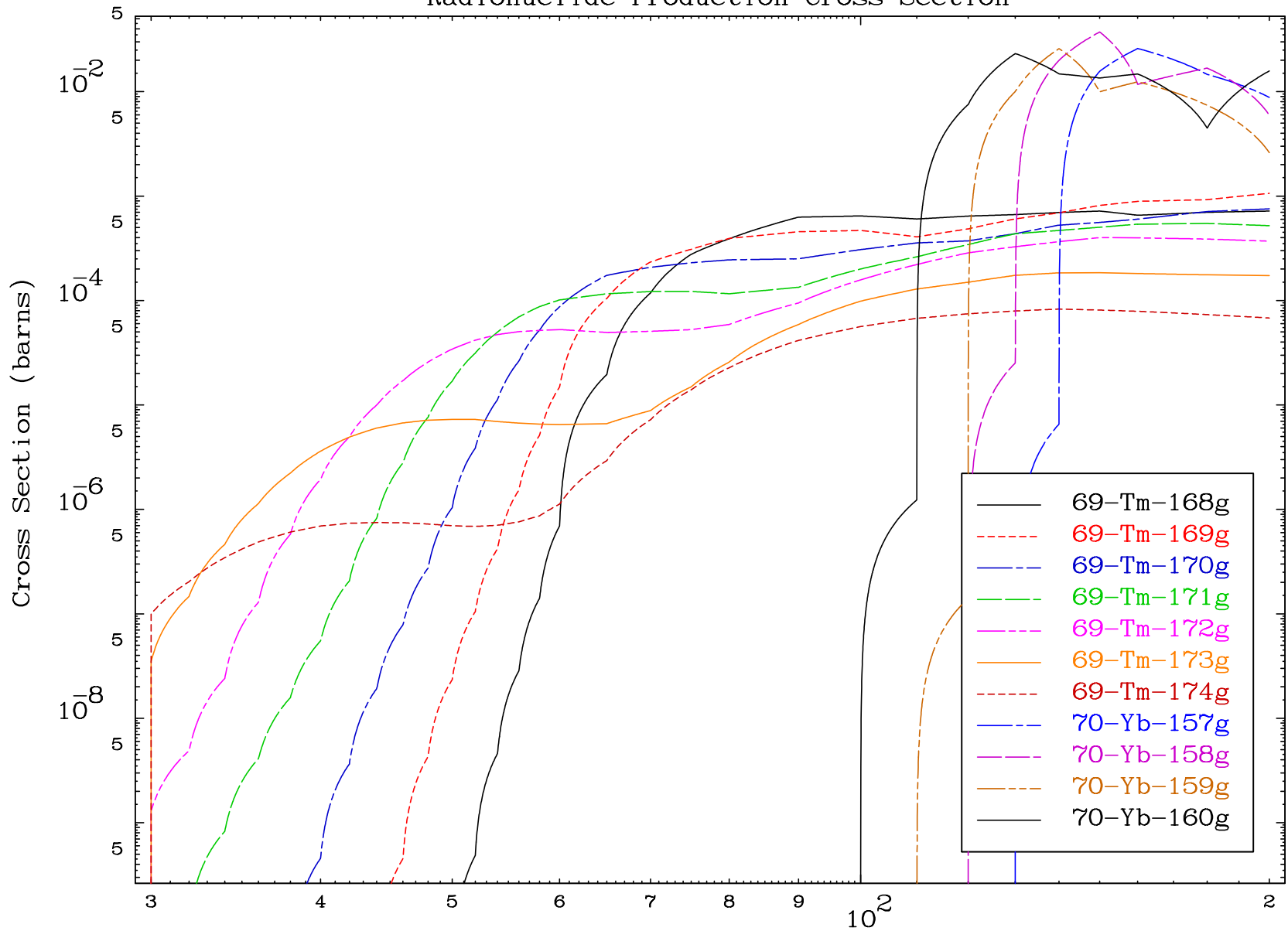


MAT 7238

(n,remainder)

72-Hf-178

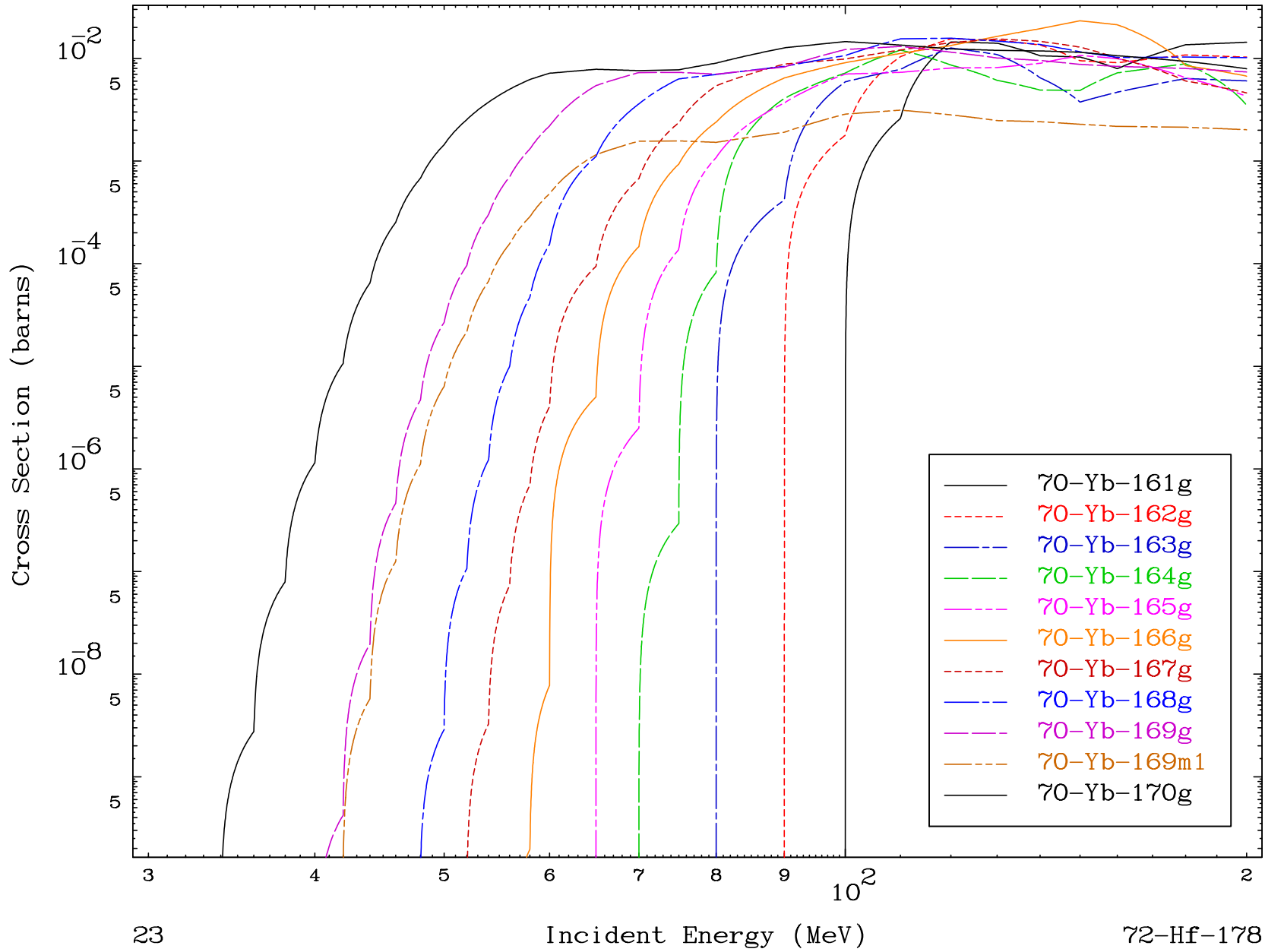
### Radionuclide Production Cross Section

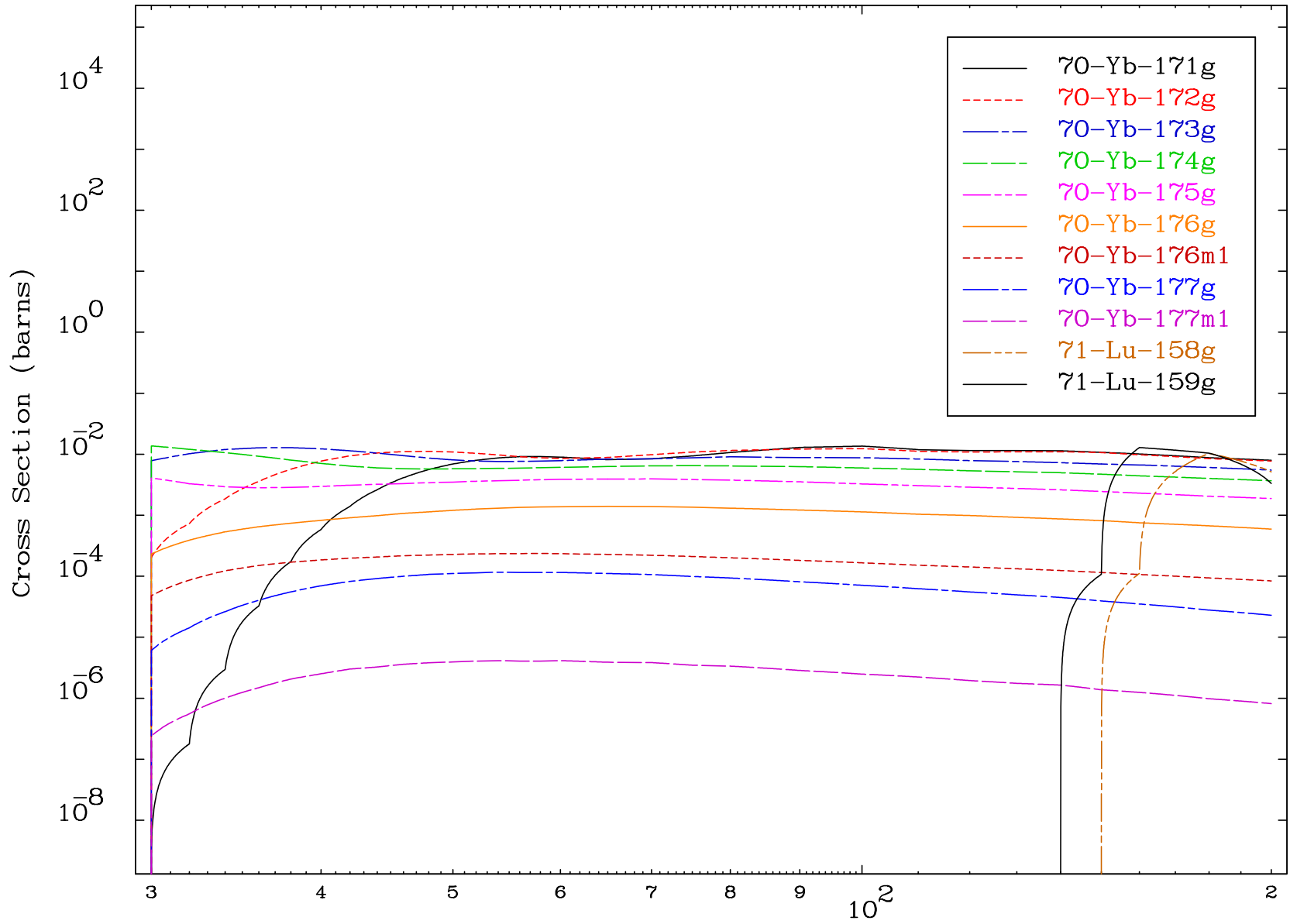


22

Incident Energy (MeV)

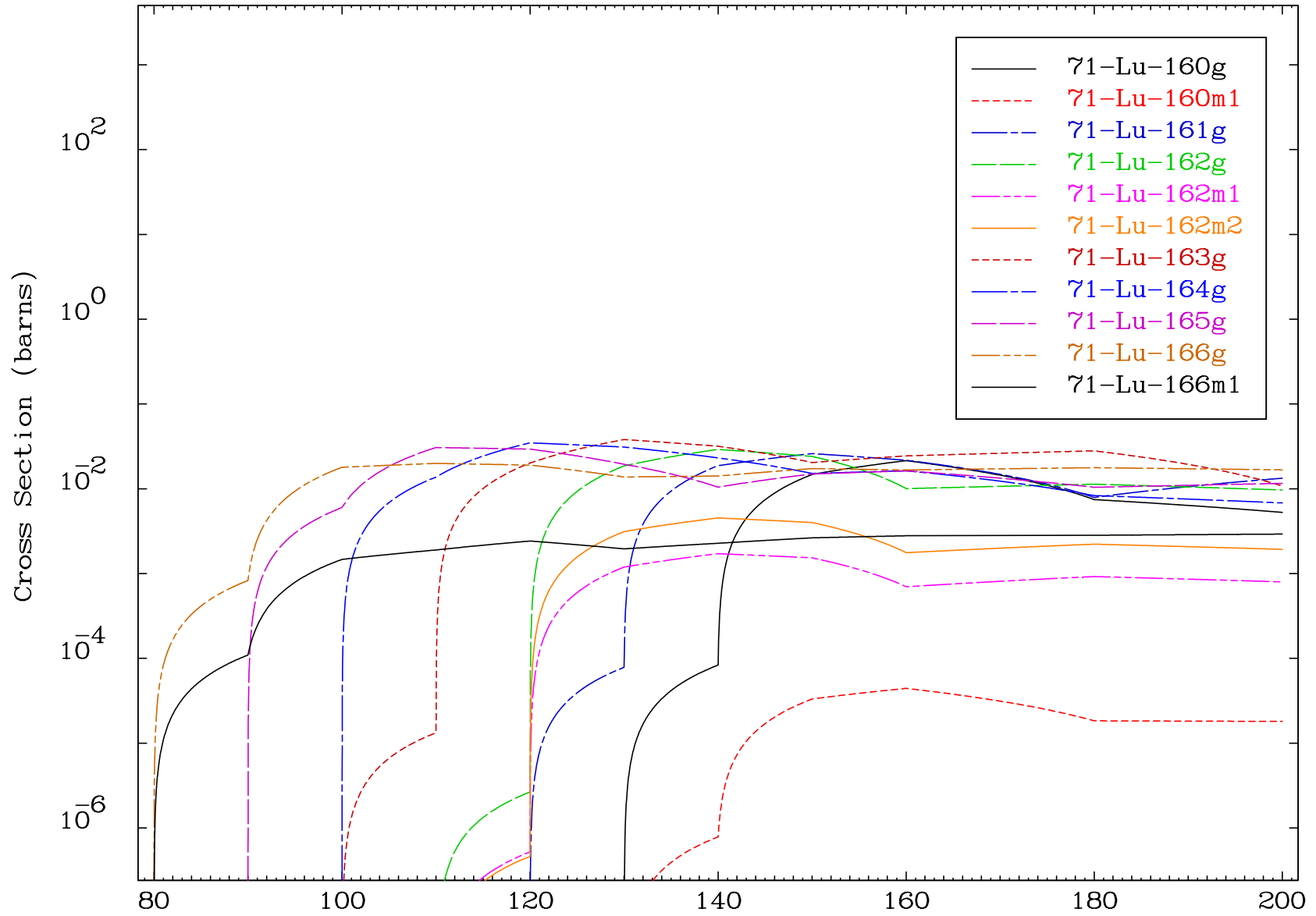
72-Hf-178

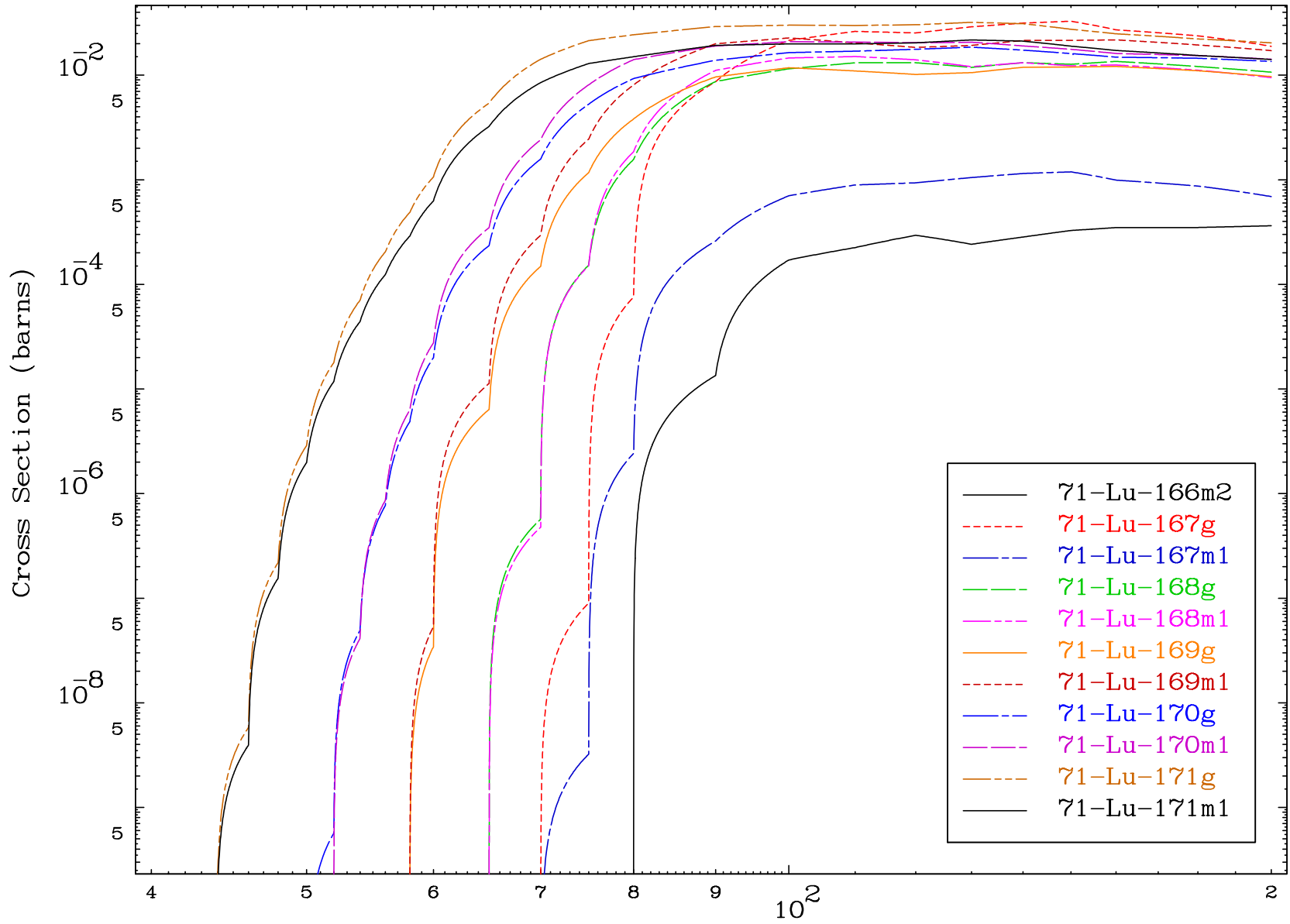






Radionuclide Production Cross Section



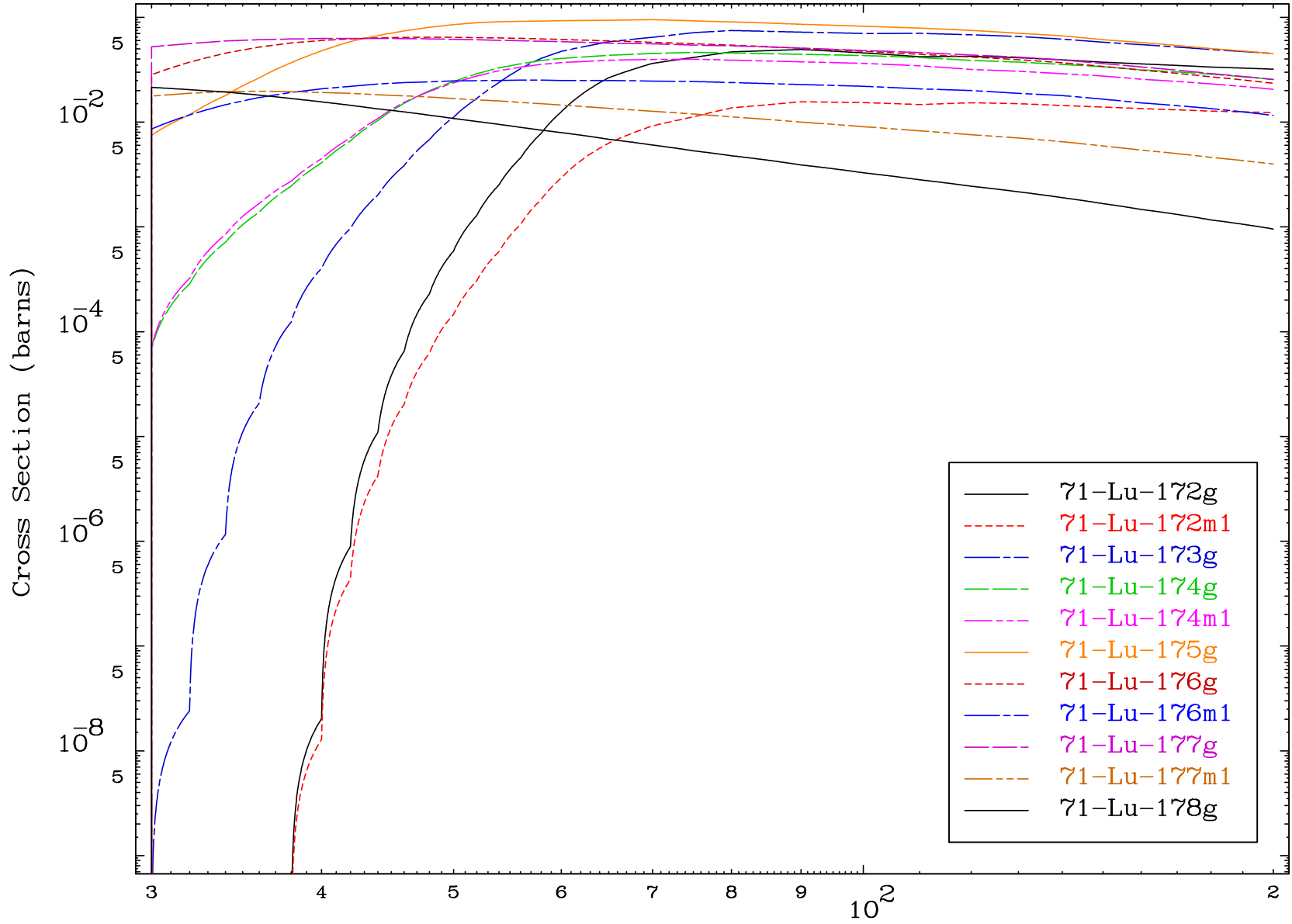


MAT 7238

(n,remainder)

72-Hf-178

### Radionuclide Production Cross Section



27

Incident Energy (MeV)

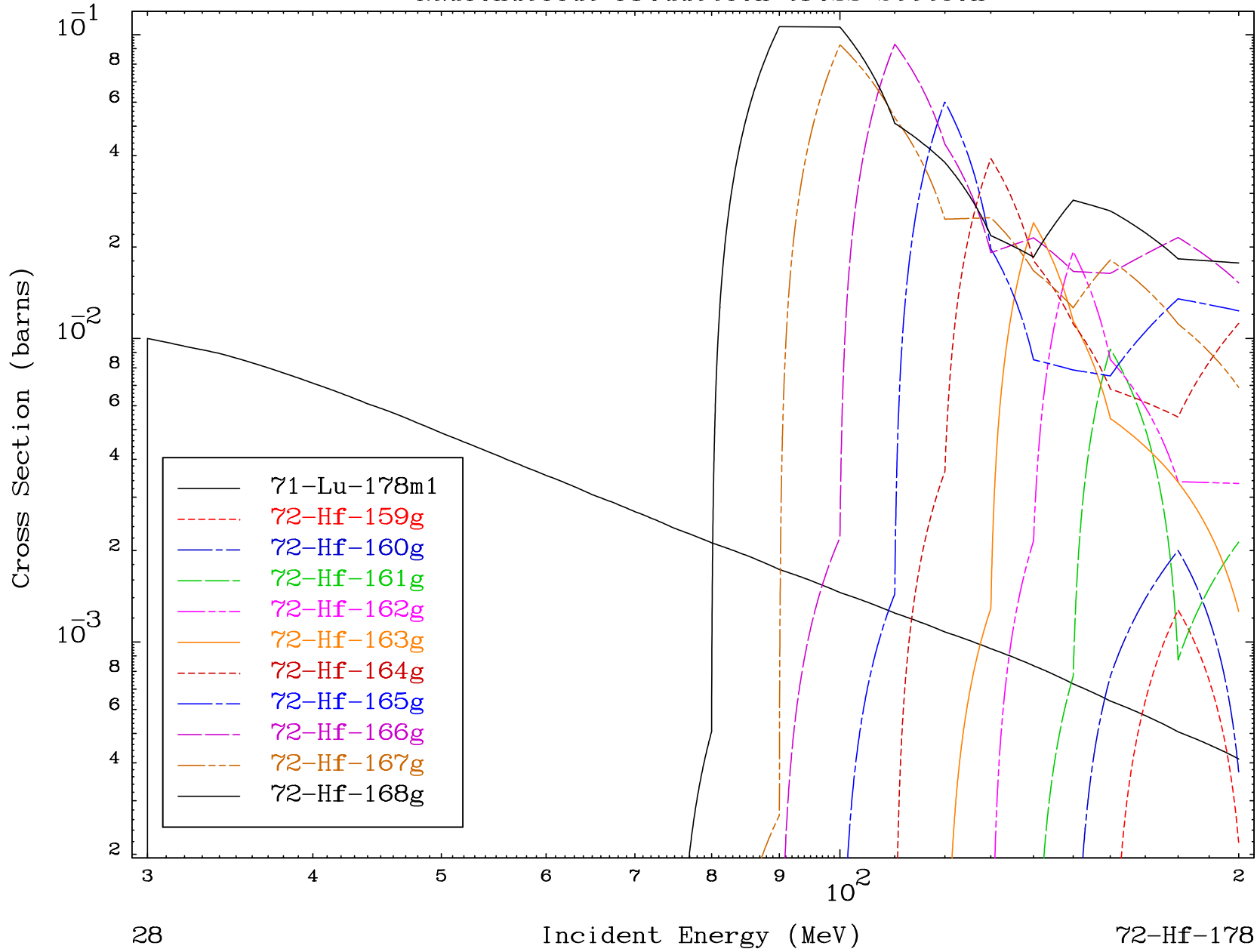
72-Hf-178

MAT 7238

(n,remainder)

72-Hf-178

Radionuclide Production Cross Section

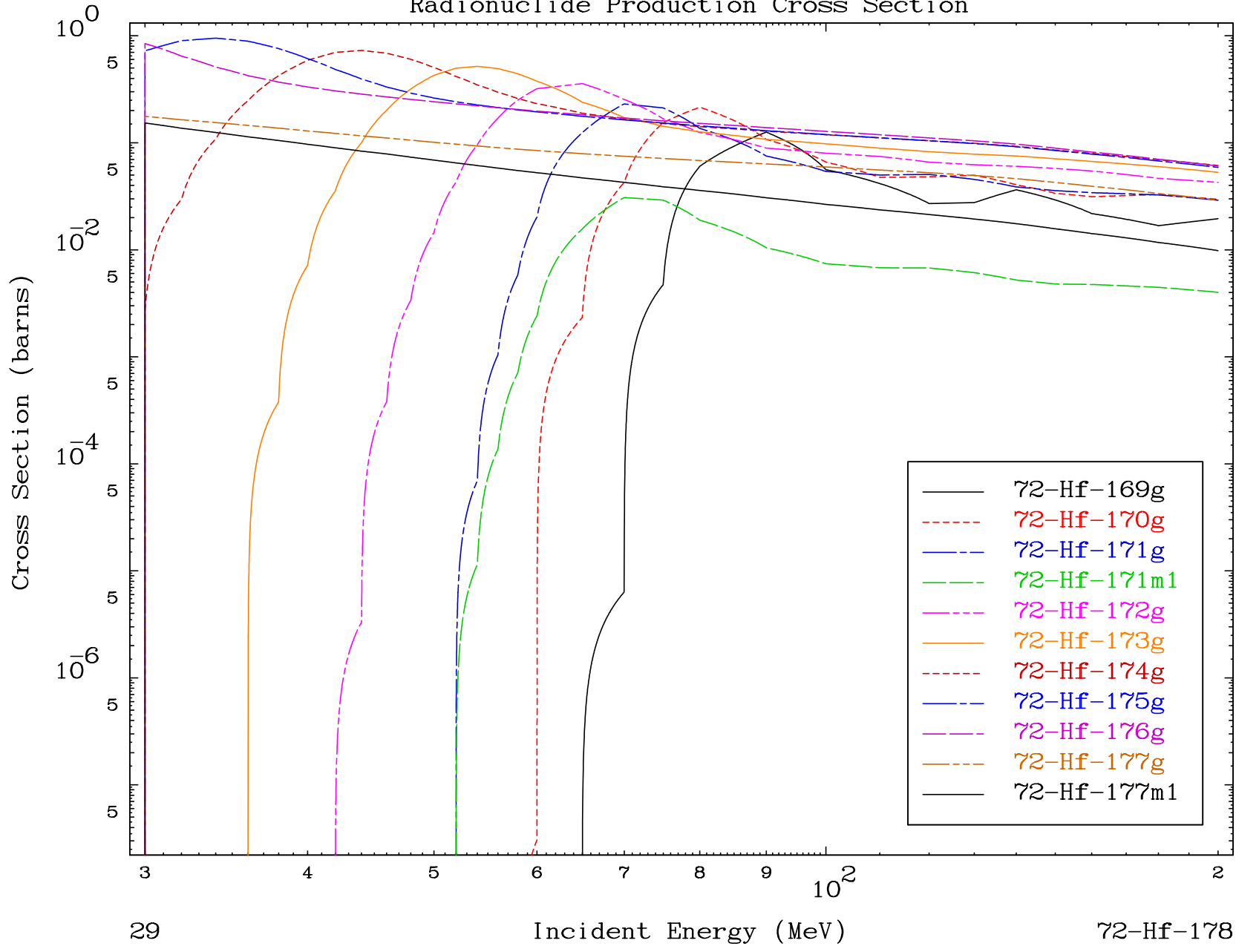


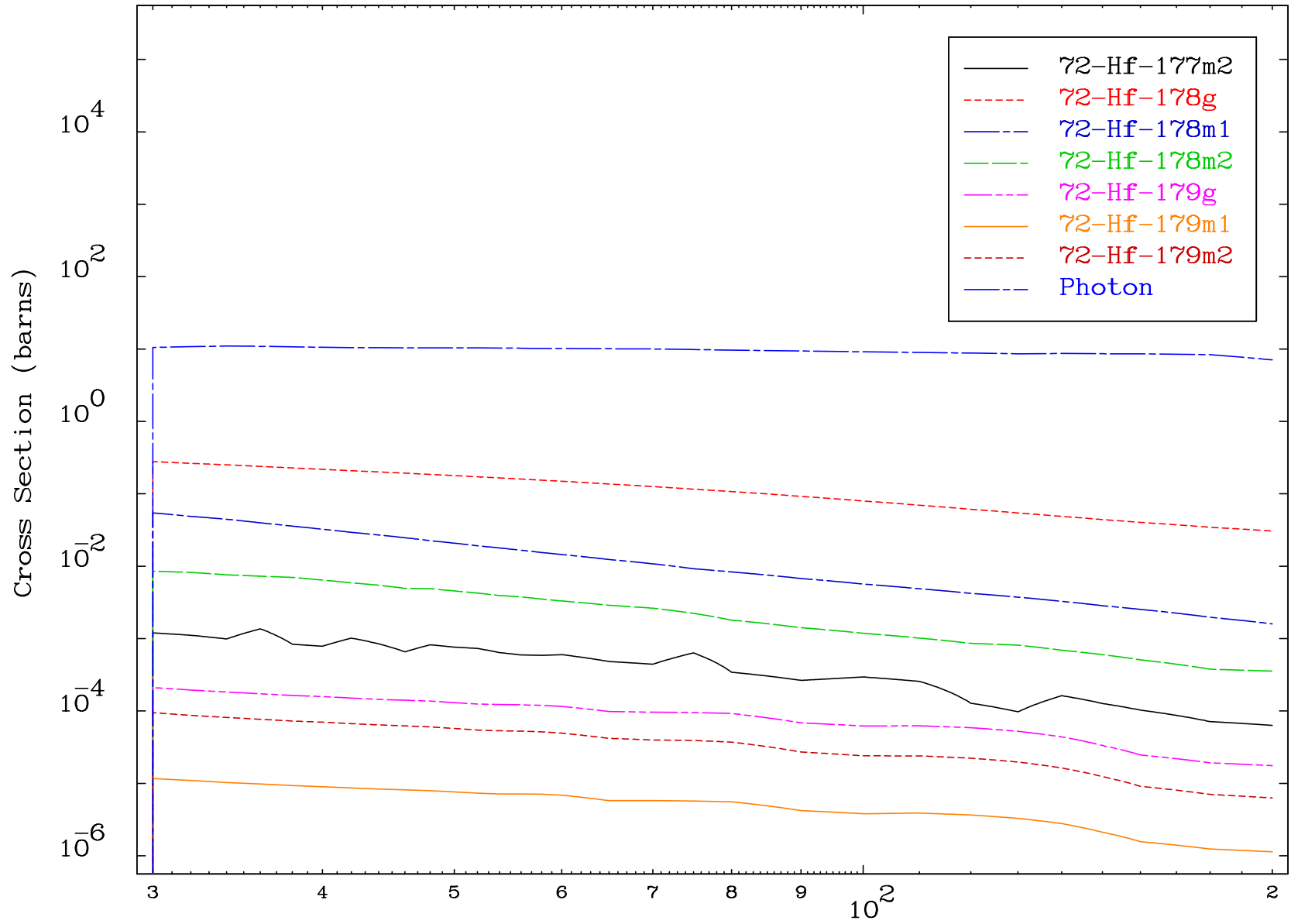
MAT 7238

(n,remainder)

72-Hf-178

### Radionuclide Production Cross Section



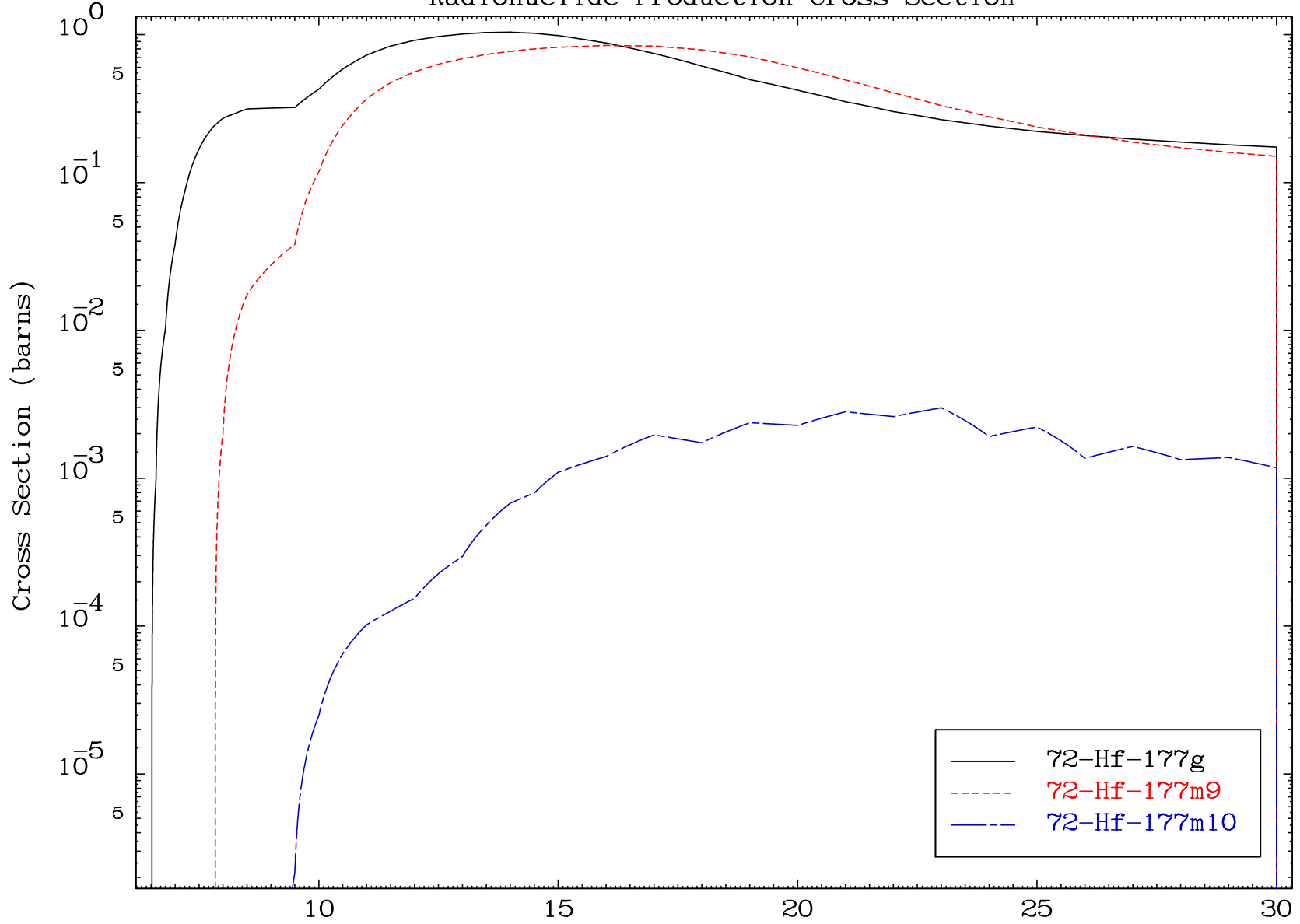


MAT 7238

(n,2n)

72-Hf-178

Radionuclide Production Cross Section



31

Incident Energy (MeV)

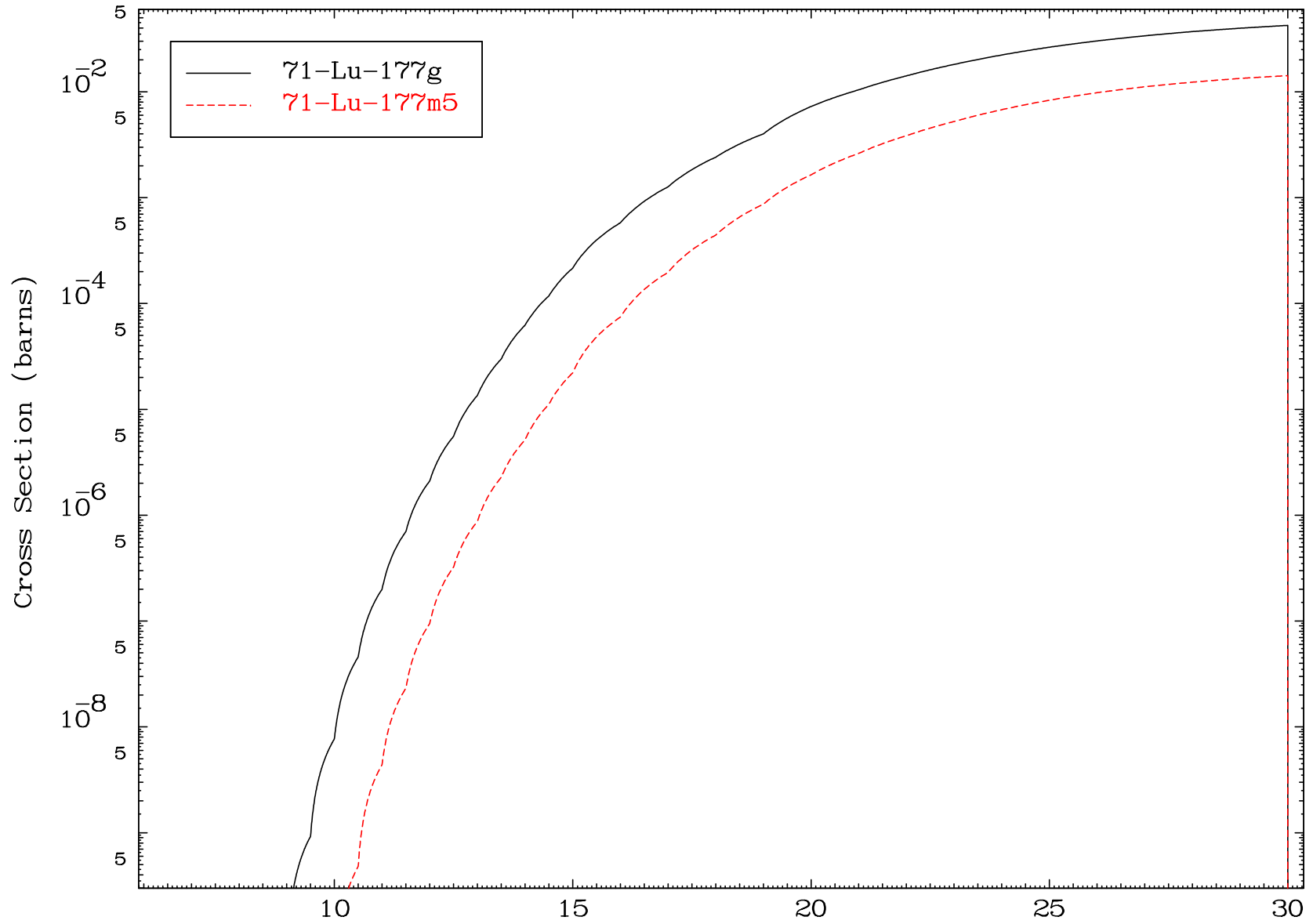
72-Hf-178

MAT 7238

(n,n') p

72-Hf-178

Radionuclide Production Cross Section



32

Incident Energy (MeV)

72-Hf-178

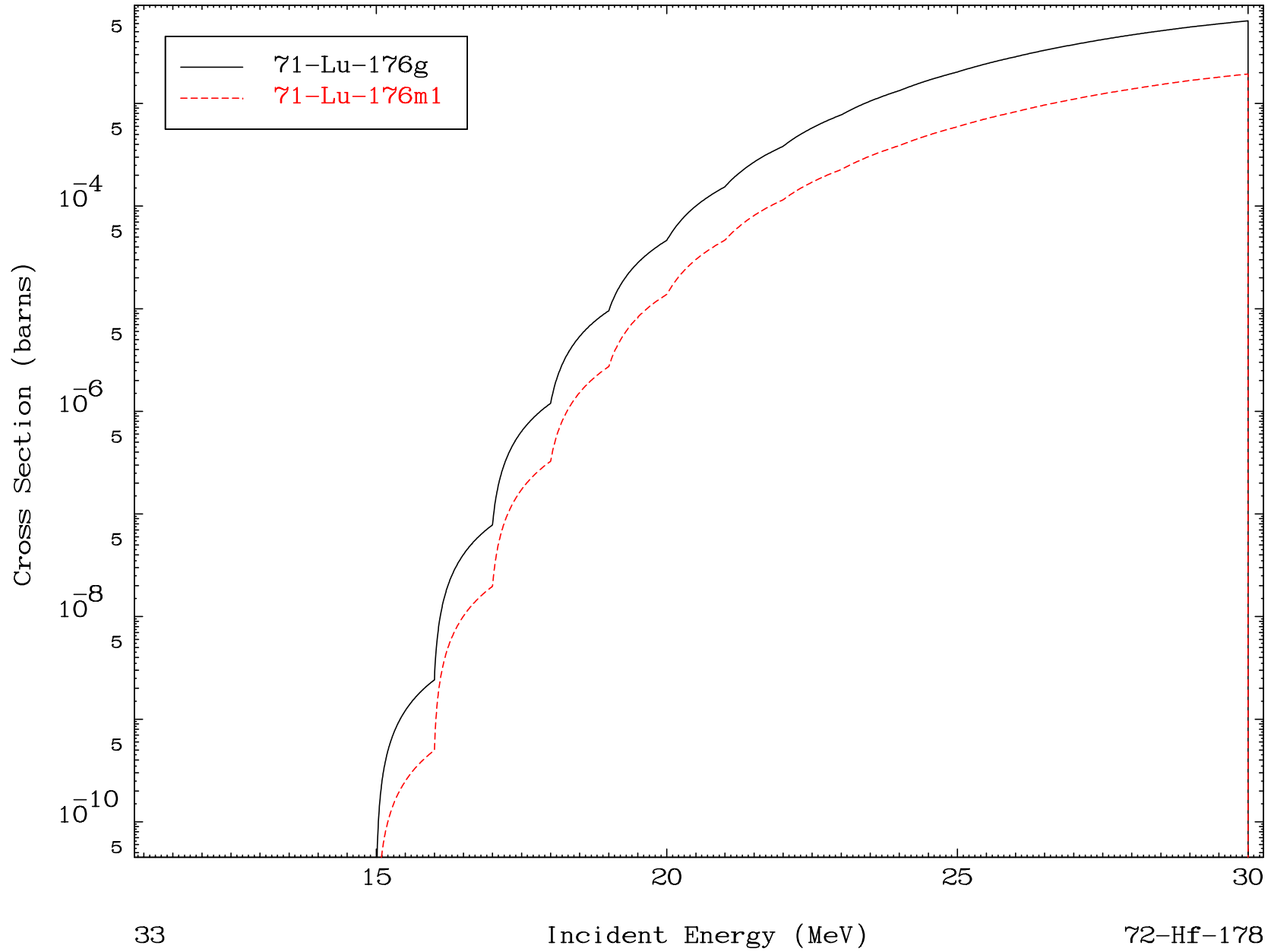


MAT 7238

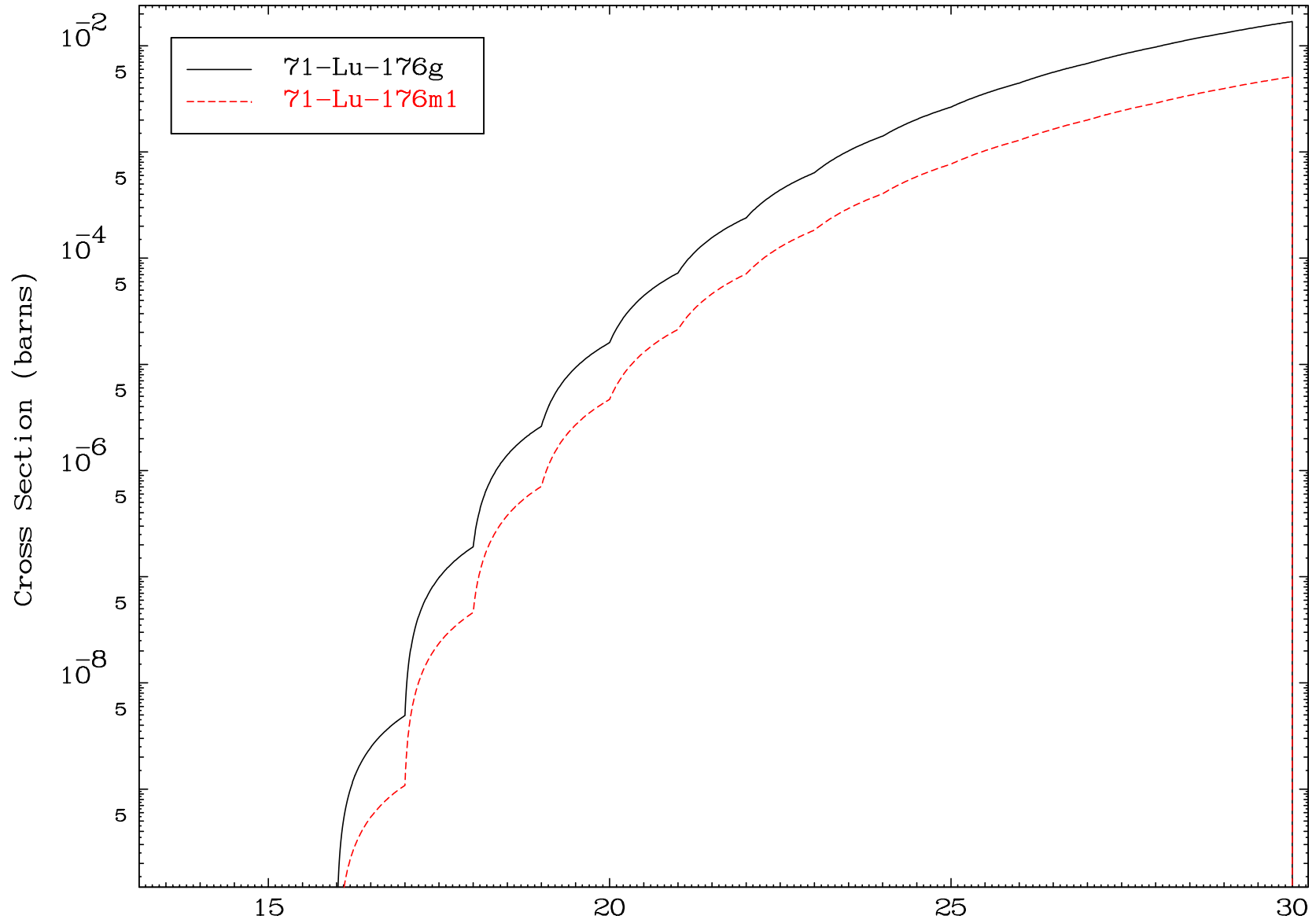
(n,n') d

72-Hf-178

Radionuclide Production Cross Section



Radionuclide Production Cross Section

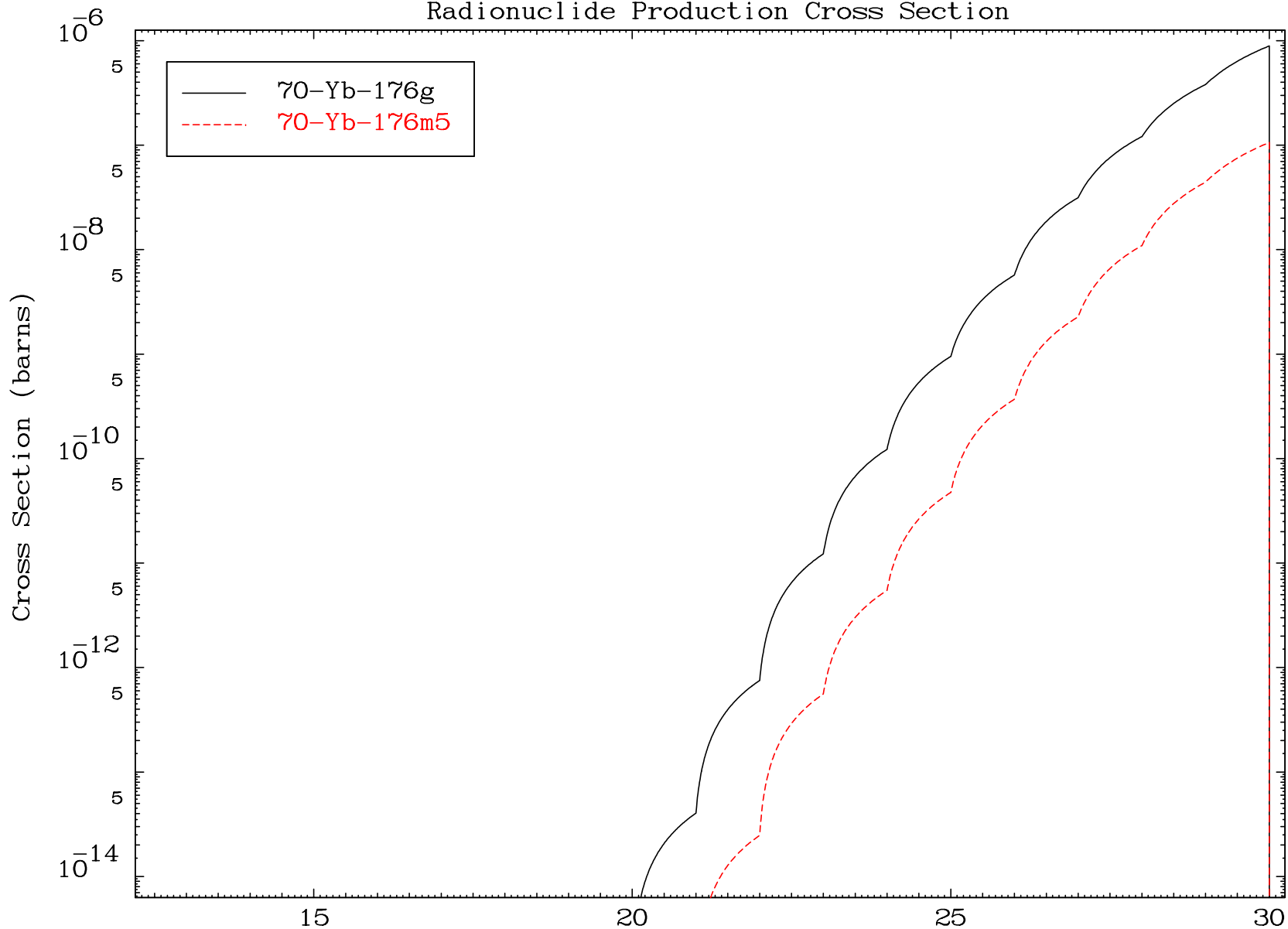


MAT 7238

(n,2n) p

72-Hf-178

Radionuclide Production Cross Section



35

Incident Energy (MeV)

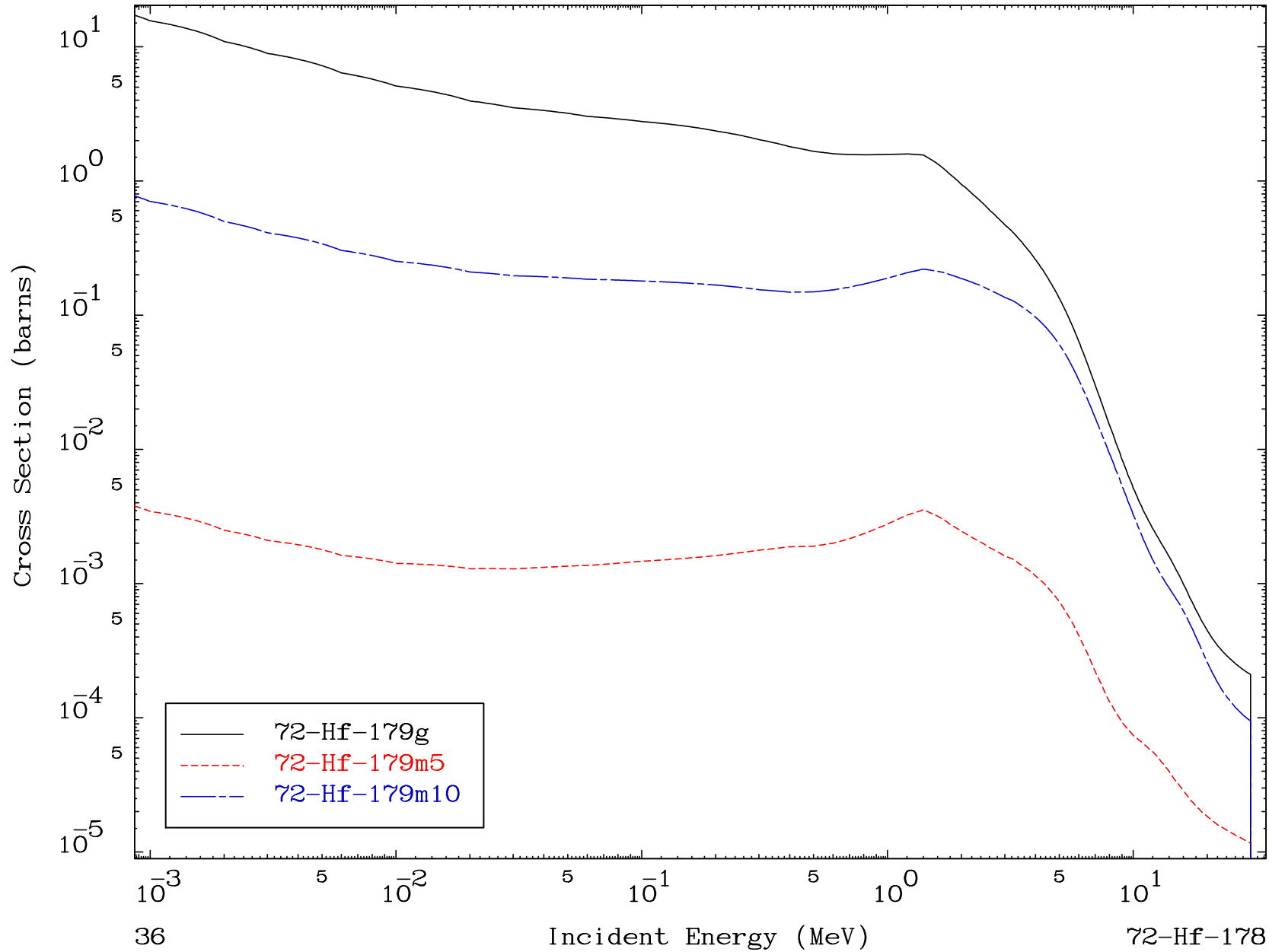
72-Hf-178

MAT 7238

(n,  $\gamma$ )

72-Hf-178

Radionuclide Production Cross Section

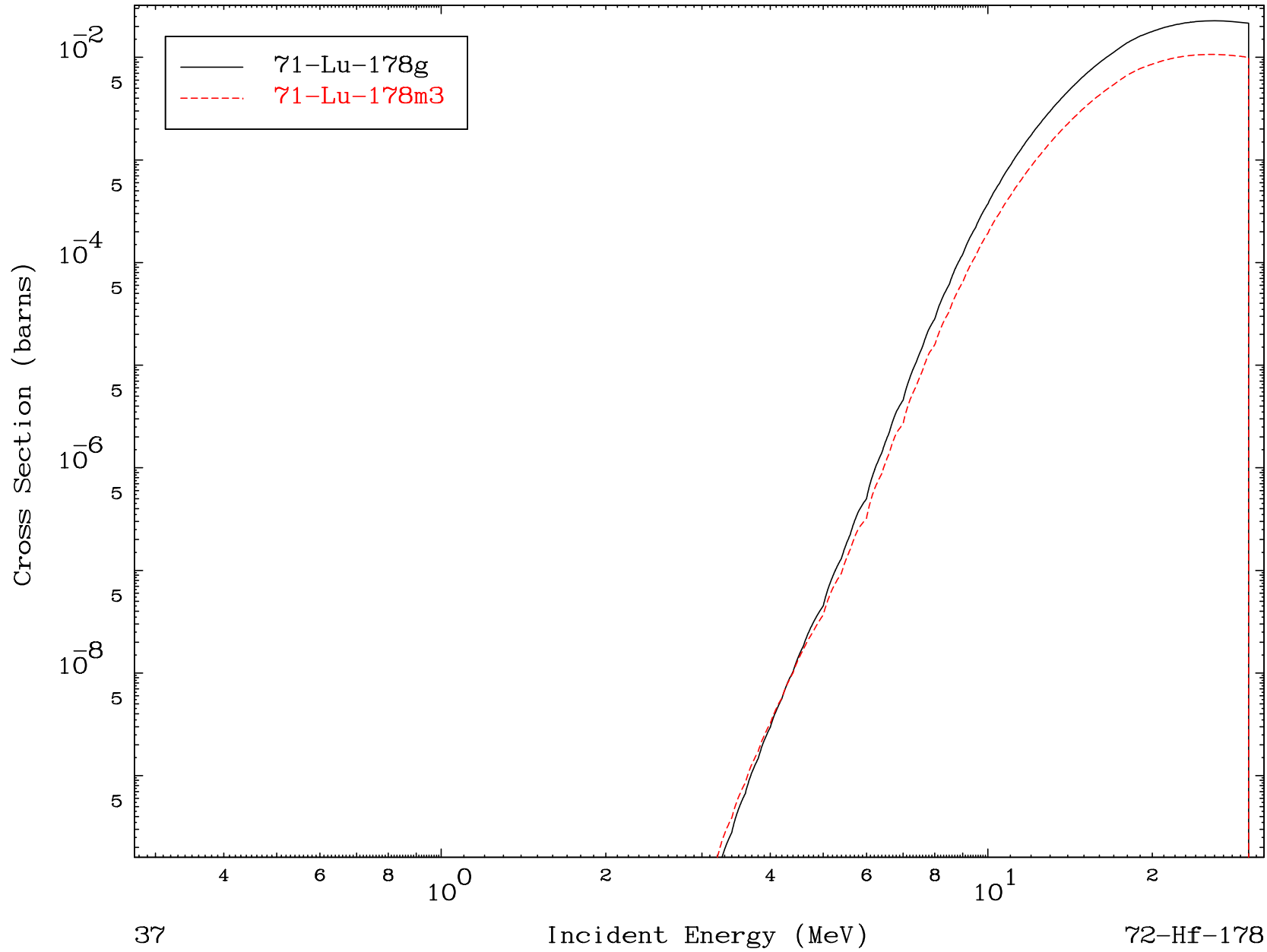


MAT 7238

(n,p)

72-Hf-178

Radionuclide Production Cross Section



37

Incident Energy (MeV)

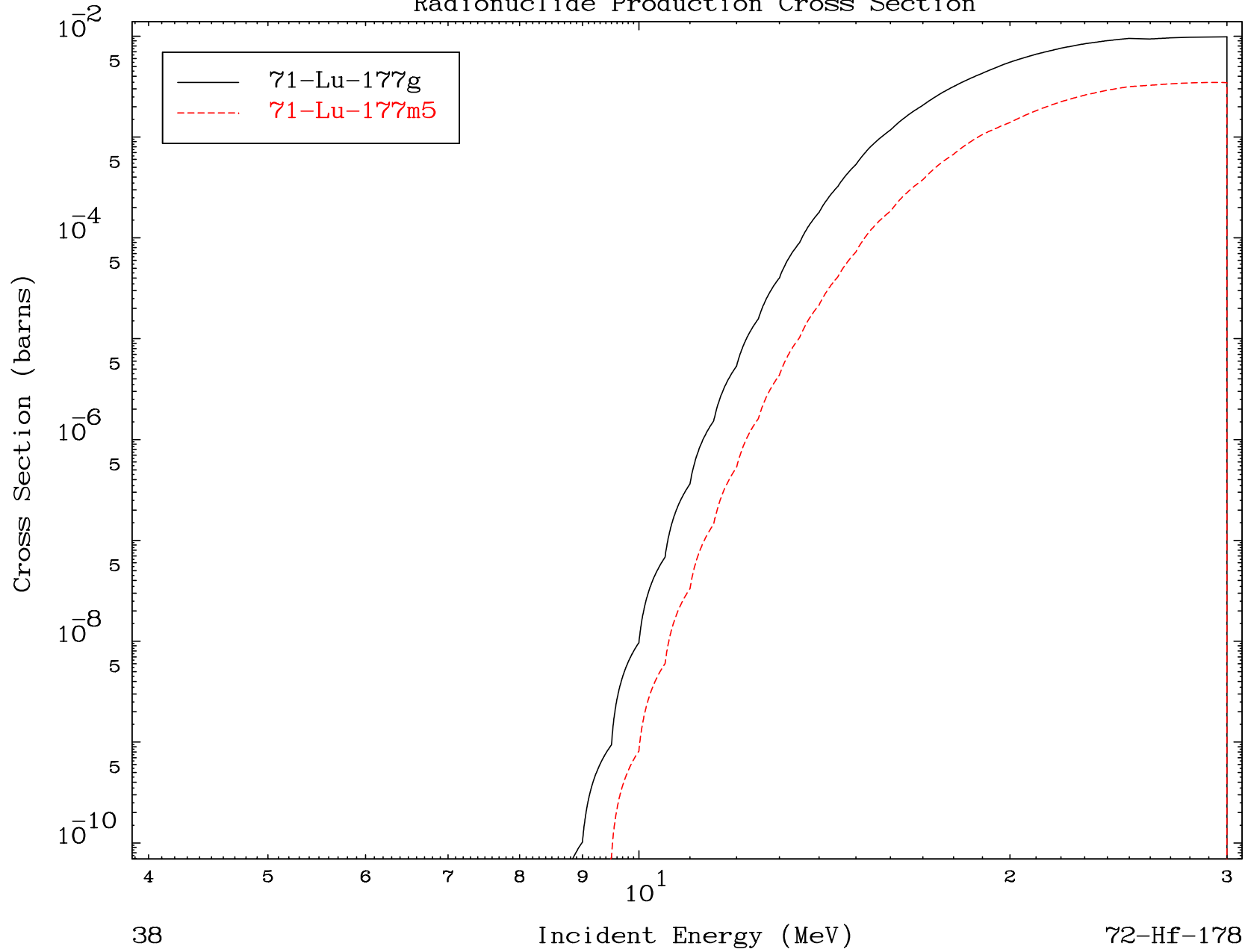
72-Hf-178

MAT 7238

(n,d)

72-Hf-178

Radionuclide Production Cross Section

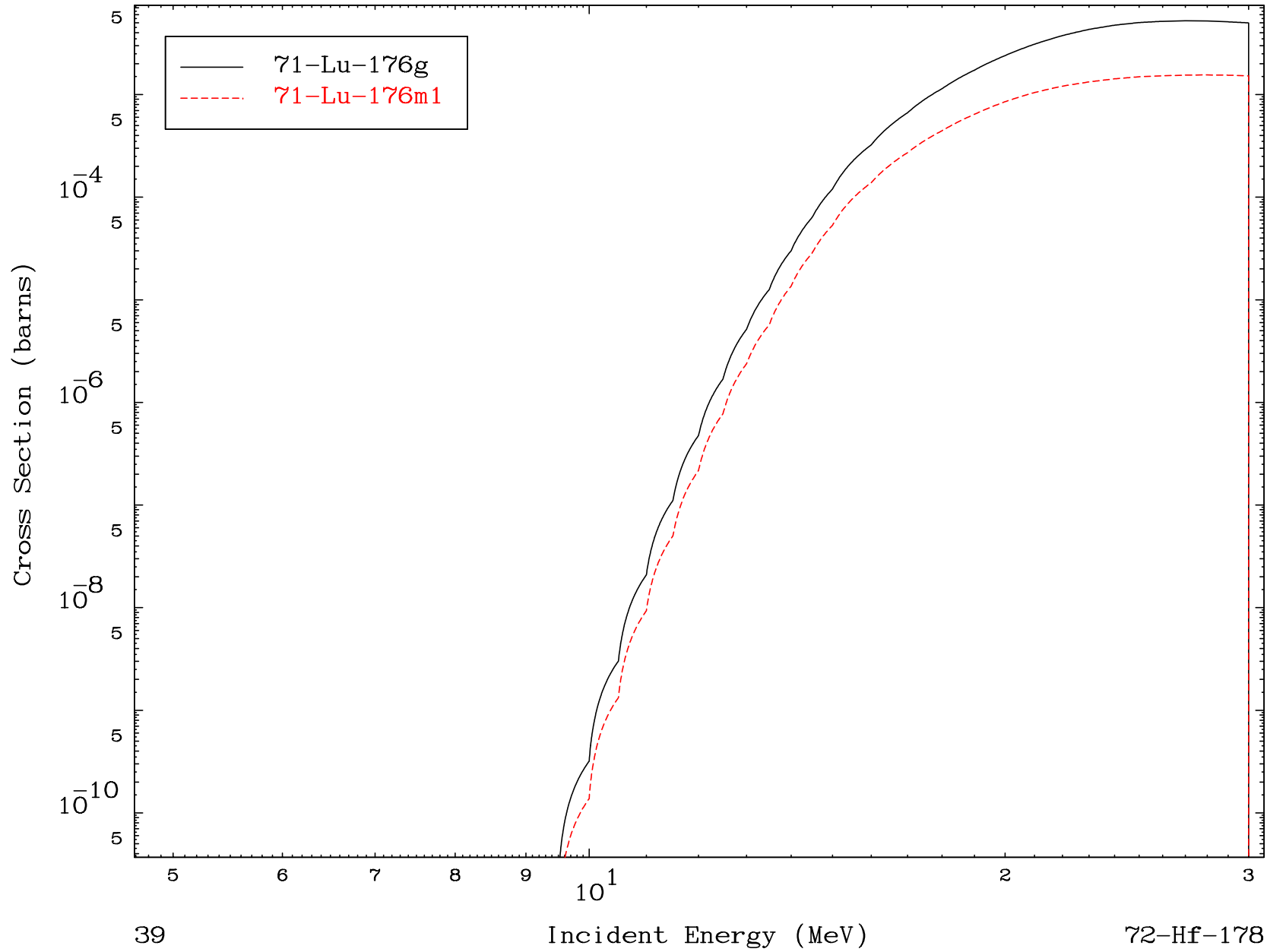


MAT 7238

(n,t)

72-Hf-178

Radionuclide Production Cross Section

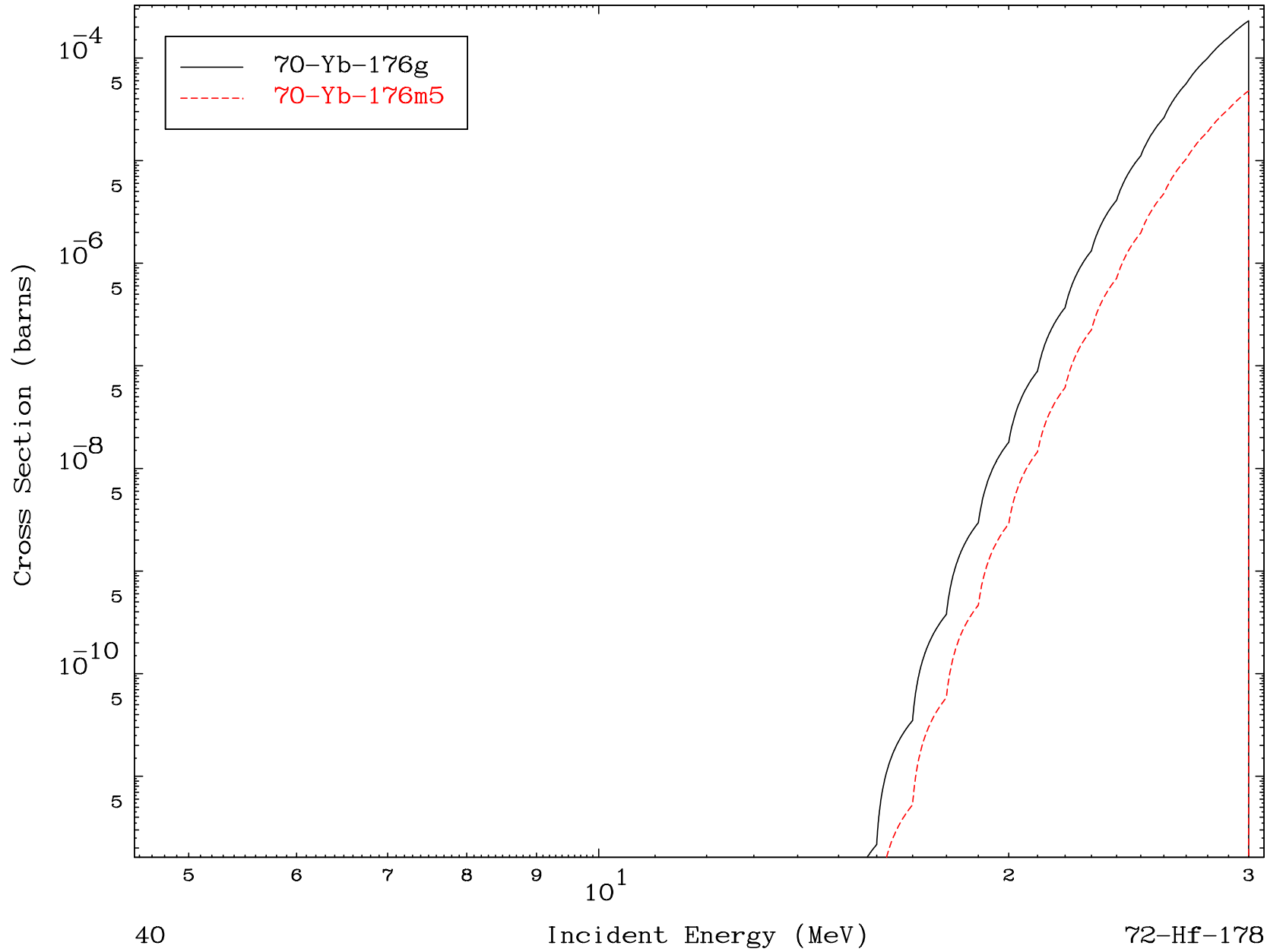


MAT 7238

(n,He-3)

72-Hf-178

Radionuclide Production Cross Section



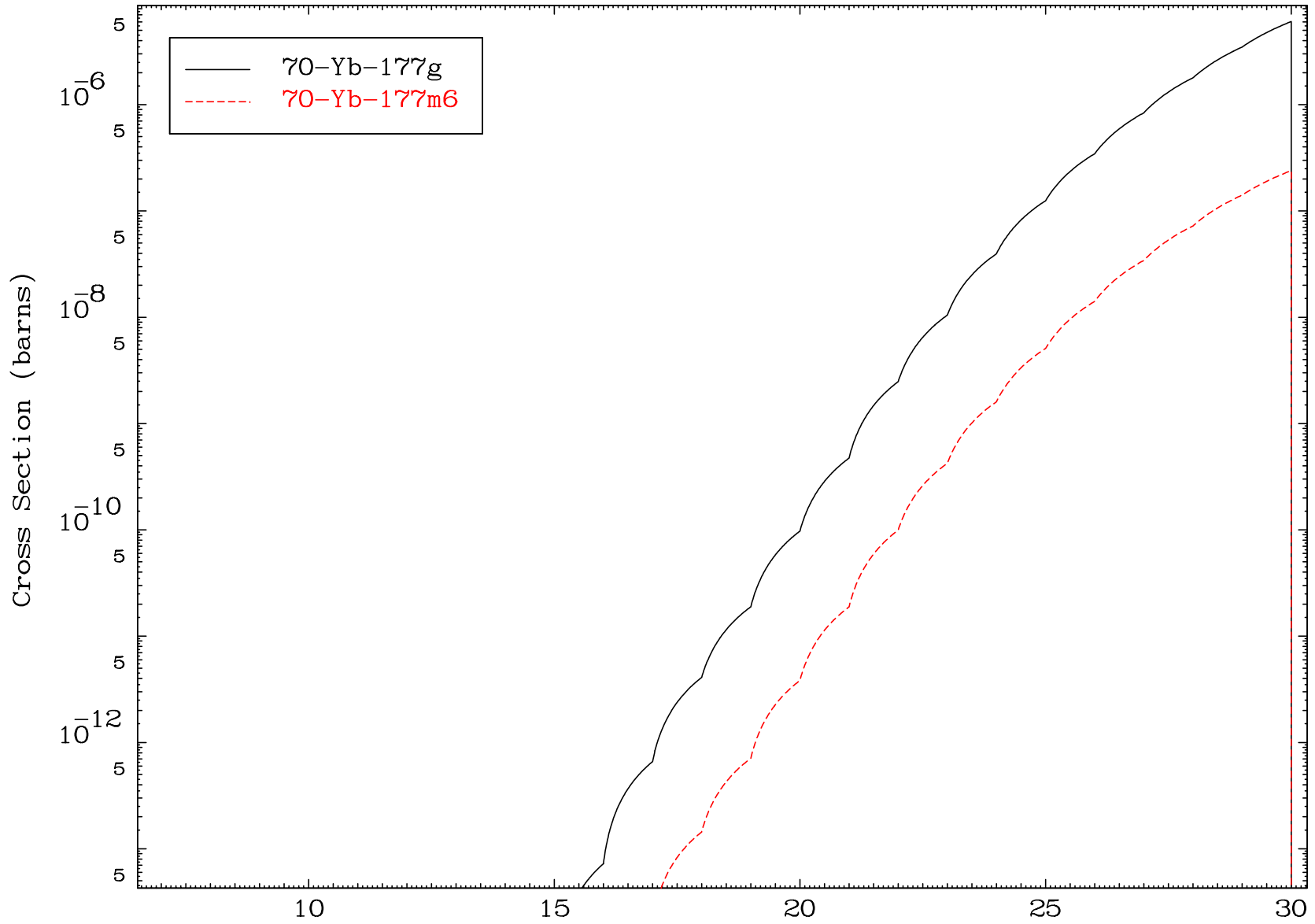
40

Incident Energy (MeV)

72-Hf-178



Radionuclide Production Cross Section



MAT 7238

(n,p) d

72-Hf-178

Radionuclide Production Cross Section

