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Subject: Re: Pion off Nuclei [quasi-free]

Posted by [Ingo Fröhlich](#) on Tue, 17 Apr 2012 13:25:44 GMT

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The composites must stay "pi- + 12C" and "pi- + p", this is your envelope and quasi-free reaction (in fact you try now a K0S beam...)

```
makeStaticData()->AddDecay(-1, "pi- + 12C -> (pi- + p) + 11B (quasi-free)","pi- + 12C","pi- + p,11B", 1.0 );
```

This line has a "pi- + 12C" composite as an input, and a 11B fragment and the "pi- + p" quasi-free reaction particle as daughters.

Consequence: everything in the original macro above the PReaction declaration must be unchanged (but only if you don't want to use pi+ + n, e.g.)

(Edit) This is the chain:

#### Reaction of 5 Particles interacting via 2 Channels

##### Reaction Particles:

0. quasi-particle (pi- beam and 12C target)

1. pi- + p

2. 11B

3. K0S

4. Lambda

##### Reaction Channels:

1. pi- + 12C -> (pi- + p) + 11B (quasi-free)

Interaction model(s):

[pi-p\_in\_12C] Quasi-free particle production <nucleus\_fermi> {}

2. pi- + p --> K0S + Lambda

Interaction model(s):

[pi- + p\_fix\_K0S\_Lambda] 2-body fixed mass, partial width {}

[pi- + p\_genbod\_K0S\_Lambda] Pluto build-in genbod {/genbod}