

Christiaan Douma <christiaan90518@gmail.com>

Re: EOS experiment

1 bericht

Igor Gasparic <igaspar@irb.hr>

22 juni 2016 11:27

Aan: Christiaan Douma <christiaan90518@gmail.com>

Dear Christiaan,

this is already physics of heavy-ion collisions and I am not familiar with that and I don't have models for that (these are transport models BUU, IQMD and different versions of them). Maybe It is enough to simulate neutrons and protons in certain range of energies and all over the detector. Since I am on holidays I cannot check the exact range of energies what I see in the data. If you have some of my particle id plots, check the tof and ou can get feeling about the energies of particles.

Cheers,
Igor

On 20 Jun 2016, at 14:36, Christiaan Douma <christiaan90518@gmail.com> wrote:

Dear Igor,

Thank you very much! Can you also tell me which are the (dominant) fragments & other particles coming out of the collision and under what angle and/or to which detector/hodoscope those fragments/particles are bent by SAMURAI?

Christiaan.

2016-06-19 21:58 GMT+02:00 Igor Gasparic <igaspar@irb.hr>:

Dear Christiaan,

beam-target combinations are:

- 1) 108Sn beam on 112Sn target
- 2) 112Sn beam on 124Sn target
- 3) 132Sn beam on 124Sn target
- 4) 124Sn beam on 112Sn target

All beam energies are 300 AMeV.

NeuLAND is at 30 degrees and the distance from target to the first plane is 1136.105 cm.

Best regards,
Igor

> On 17 Jun 2016, at 16:39, Christiaan Douma <christiaan90518@gmail.com> wrote:

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> Dear Igor,

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> Can you tell me the beam(s), target(s) and geometry of the EOS experiment at RIKEN? I would like to simulate this.

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> Thanks in advance!
> Christiaan Douma.