

sci.physics.particle: Re: Is (are) there any particle(s) that`s emitted in all directions?

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From: Old Man (nomail_at_nomail.net)

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"Fabrizio J. Bonsignore" <fbonsignore@beethoven.com> wrote in message
news:768f7623.0410301705.7635e10@posting.google.com...

> *Imagine we have a grid of 2x2 of puntual sources. Is there any*
> *particle or family of particles that once generated (by whatever*
> *means) would be emitted in *all* directions preserving the topology of*
> *the grid?*

Learn some physics, Idiot.

Each and every particle has a momentum vector. A single particle can't be emitted in a spherically or cylindrically symmetric fashion. Only via statistics can a large number of particles be said to have a symmetric emission distribution.

With respect to its source, total angular momentum, $j = 0$, is absolutely forbidden for a single photon. A plane wave isn't symmetric.

[Old Man]

... snip cracked pottery ...

> *I am Danilo J Bonsignore*