



IN2P3

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Quoi ? <http://www.quantumdiaries.org>

- reprise du projet 'Quantum Diaries' de l'année mondiale de la physique
- engagement du blogueur sur 3 mois minimum, reconductible si satisfaction des 2 parties
- ouvert à toutes nos disciplines (lhc, d0 mais aussi astroparticule, nucléaire), tous les corps de métier, tous les âges...
- projet de la collaboration InterAction : <http://www.interactions.org/cms/?pid=1000025>
- démarrage le 31 mars 2009



Qui ?

Ideal candidates will:

- Be very excited at the prospect of telling their story and will commit to blogging at least weekly.
- Agree to a three month engagement--which may be extended if both the blogger and the collaboration are happy.
- Be able to write acceptably (but, as we all know, attitude can trump brilliance when it comes to blogging).
- Be trustworthy when it comes to a minimal level of decorum and political sensitivity.



Pourquoi ?

Pourquoi bloguer sur ce nouveau site plutôt que tout seul dans son coin ?

- Parce que cela lui donnera une plus grande visibilité (quitte à écrire, autant être lu) puisque ce site est international (quantum diaries a été un très gros succès de l'année mondiale de la physique).
- parce que ce genre de projets manque trop souvent de voix françaises et francophones
- parce qu'on en fera aussi la promotion sur lhc-france.fr

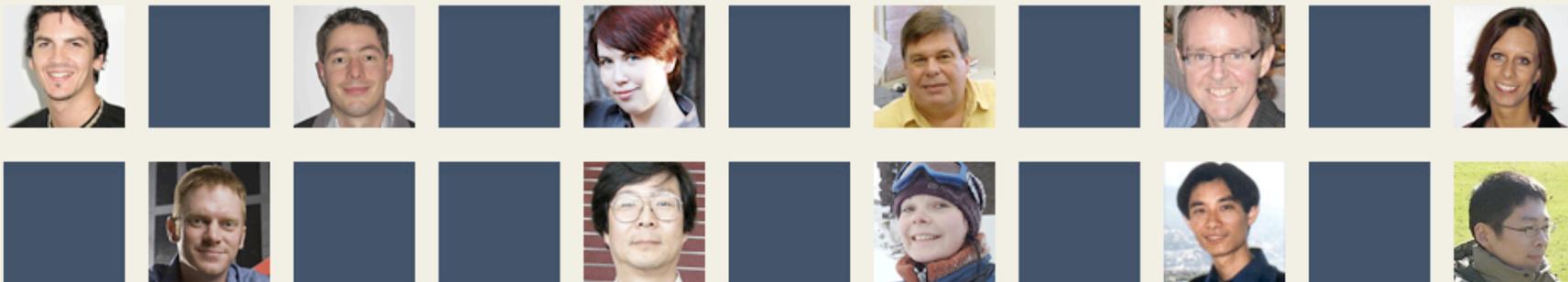
QUANTUM DIARIES

Thoughts on work and life from particle physicists from around the world.

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LATEST POSTS

03.05.2009 | **CALORIMETRY AT THE ILC - PART 2: GRANULAR DETECTORS**

[Frank Simon](#)

It is time to come back to my work on calorimetry, following my [previous post](#), before I get distracted again by other things. This time I'm blogging on the couch, not on a plane, though.

So, where did I leave off last time? One of the key goals for ILC calorimeters is to achieve unprecedented jet energy resolution. The calorimeters developed by the [CALICE collaboration](#) rely in Particle Flow Algorithms (PFA) to achieve this goal, as discussed in my last post. What is needed to make PFA work? First and foremost: Extremely granular detectors, with high 3D resolution to provide a detailed image of the particle showers.

This is needed to provide what is most important for PFA: The separation of individual particles in a shower. The PFA principle is simple: Measure each



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