

CMS Collaboration Board Chair candidate

<http://w3.jihe.ac.be/~dhondt/CB-chair-Jorgen-DHondt.html>

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Short scientific Curriculum Vitae

As member of the CMS Collaboration since 2003 I participated in diverse activities from building up our experiment to the writing of final journal papers:

- Institute representative of the Vrije Universiteit Brussel in the Collaboration Board as deputy team leader since 2007, and as team leader since 2009;
- Coordinated the Silicon Strip Tracker Module assembly in Brussels (2003-2006);
- As first Top Quark PAG convenor in 2007 and 2008 I have setup this analysis group, prepared the organization as well as the initial analyses to absorb the first data taking and organized the creation of the Top Quark Analysis Framework which was the predecessor of the PAT structure;
- Coordinated the Analysis Support Task Force which was the basis of the Analysis Operation group in our Computing Project;
- Paper editor, ARC-chair or member (**10 in total**, in diverse POG's and PAG's), reviewer of various documents of our collaboration;
- Member of the Tracker Institution Board as well as the Tracker Phase-2 Upgrade Steering panel;
- Co-author of 50 notes within the CMS Collaboration;

- Promotor (or co-promotor) of two CMS Thesis Award winners (Steven Lowette and Jan Heyninck);
- Organisator (or co-organisator) of several international workshops, for example the [TOP2010](#) workshop in Bruges (~130 participants) and the [CMS Physics Week](#) in Brussels (~350 participants);
- Guided or co-guided diverse groups to the CMS experiment from policy makers and royalties to students;
- More than 50 outreach presentations as well as a list of articles in popular magazines;
- With the team of which I am team leader we have contributed during the recent years in many domains within our experiment, eg. cosmic ray studies, alignment and calibration, Tracker DQM, production of MC simulation, electron reconstruction, triggers in PAT, MadGraph deployment, b-tagging, JetMET, top quark physics, exotica (fourth generation), supersymmetry, ...
- Host institution for a TIER-2;

Previously I was involved in two experiments at the LEP collider, namely the ALEPH experiment for a short period and the DELPHI experiment. I was active in the field of W boson physics measuring the W boson mass and width, as well as in the field of soft-QCD phenomena like Bose-Einstein correlations and colour reconnection.

Responsibilities in my research institute ([IIHE](#)), at my university ([VUB](#)) or within Belgium:

- Professor of Physics at the Vrije Universiteit Brussel;
- Director of the VUB part of the Inter-university Institute for High Energies (IIHE) with a total of about 70 members (since 2011);
- President of the Department of Physics at the VUB (since 2012), when elected I will resign from this function;
- Vice-president of the Department of Physics at the VUB (2005-2008);
- Representative of the Physics Department in the Education Board of the Faculty of Science;
- Vice-president of the Education Board of the Faculty of Science and deputy representative of the Faculty of Science in the Education Council of the university (since 2012), when elected I will resign from this function;
- Representative of the Physics Department in the Doctoral Research Board of the Faculty of Science;
- Belgian representative in the International Particle Physics Outreach Group;
- Member of and representing the university in the expert Commission International Collaboration of the FWO funding agency;
- Promotor (or co-promotor) of diverse projects for the participation of the Flemish universities in the CMS Collaboration;
- Co-promotor of the phenomenology group on supersymmetry at the VUB;
- In total 13 finished or ongoing PhD projects as promotor;
- Long list of media appearances both in written and audio-visual press;

When elected as Collaboration Board chairperson I will certainly be available for all members of the Collaboration Board and make ample time to join the managerial boards. This will be paired with regular stays at CERN and as indicated reduced commitments at my home university. The Collaboration Board chair function will define my agenda.