



Solvay Colloquium

“GRAVITATIONAL WAVE SEARCHES: PROGRESS REPORT”

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Abstract

“The giant gravitational wave interferometers of the LIGO and GEO projects have just completed a two-year long observational run with "first-stage" sensitivity. While the data are still be analysed, some interesting upper limits have already been announced on specific gamma-ray bursts and pulsars. After the current hardware upgrade, LIGO and VIRGO will resume in 2009, with much better chances of detections, and by 2013 the final upgrade will make detections virtually certain. Meanwhile ESA and NASA continue to develop LISA for launch in 2018, starting with the launch of LISA Pathfinder in 2010. I will survey current developments on all these fronts.”

Tuesday 30 October 2007 at 16h00

COFFEE AND TEA WILL BE SERVED AT 15H45 IN FRONT OF THE SOLVAY ROOM

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