

MutaMorphosis:  
Challenging Arts and Science  
International Conference,  
Prague, 8-10 November 2007

# *THE COSMOPHONE*

playing with particles, the cosmos and sounds

ubris  
STUDIO  
COMPAGNIE MUSICALE



J. Diennet  
D. Calvet  
R. Kronland  
C. Vallée (speaker)  
T. Voinier

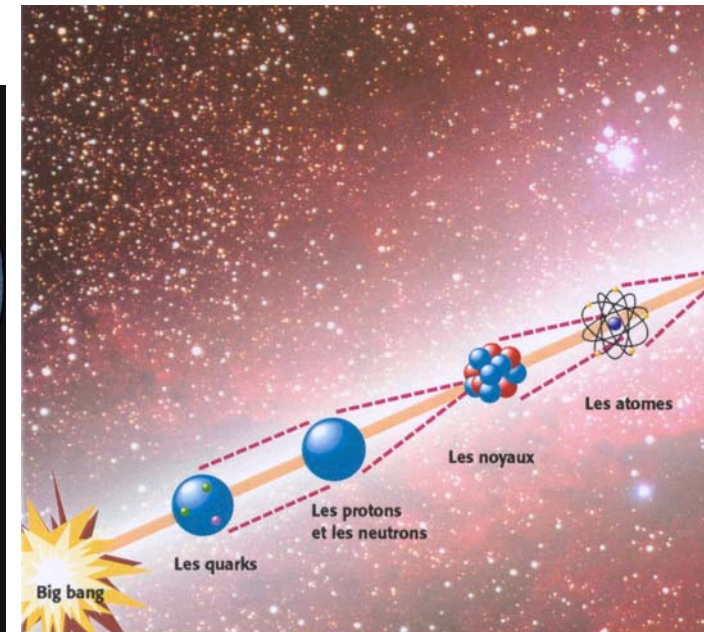
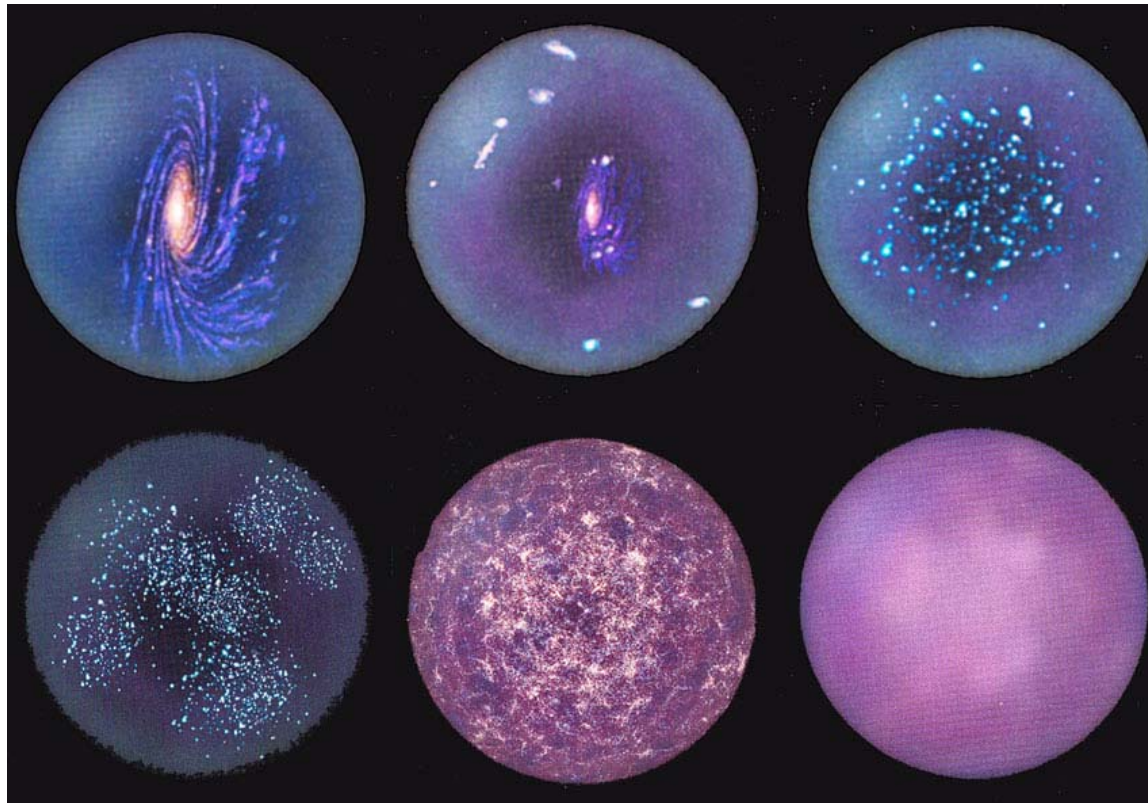


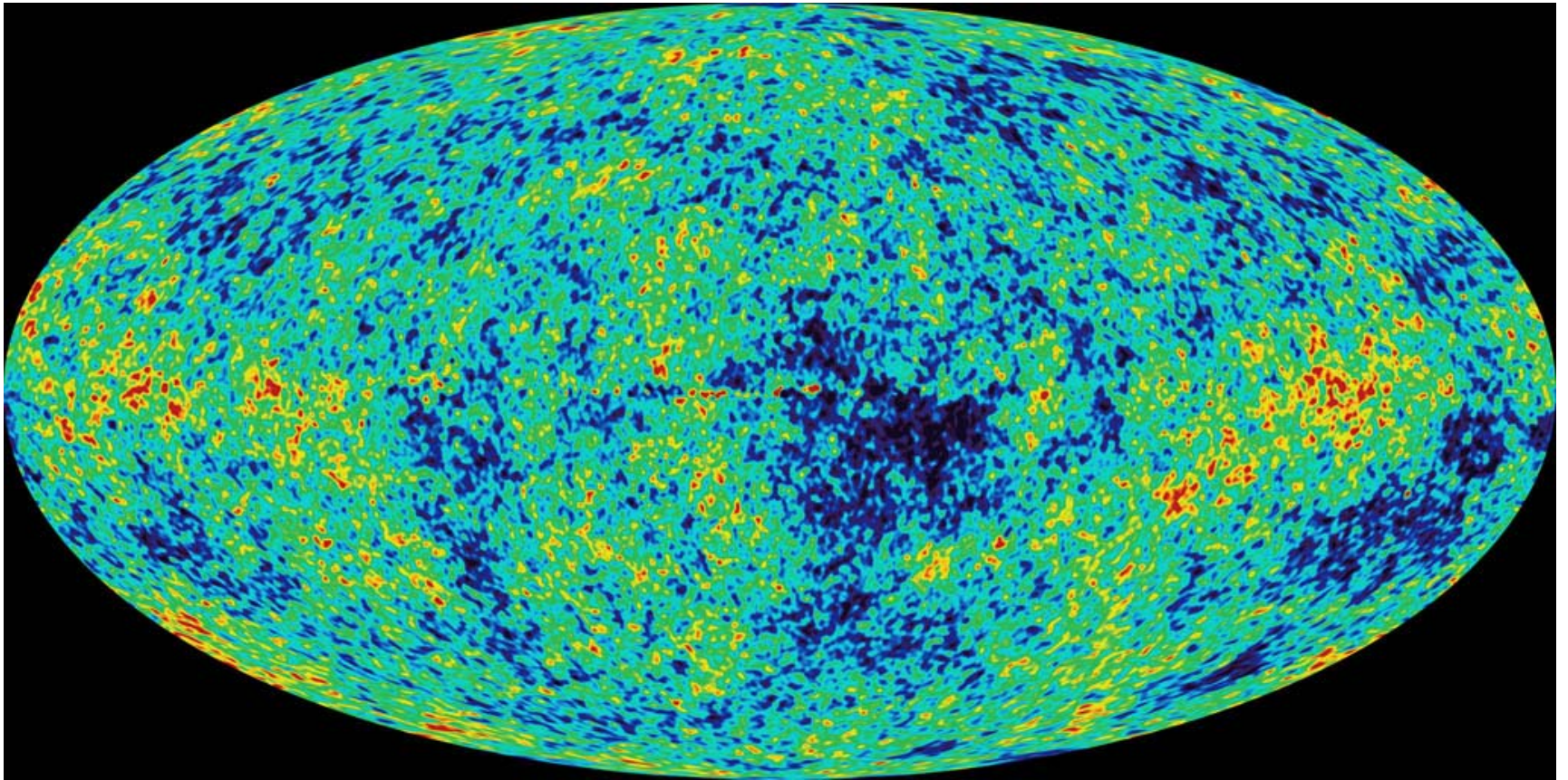
<http://cosmophone.in2p3.fr>



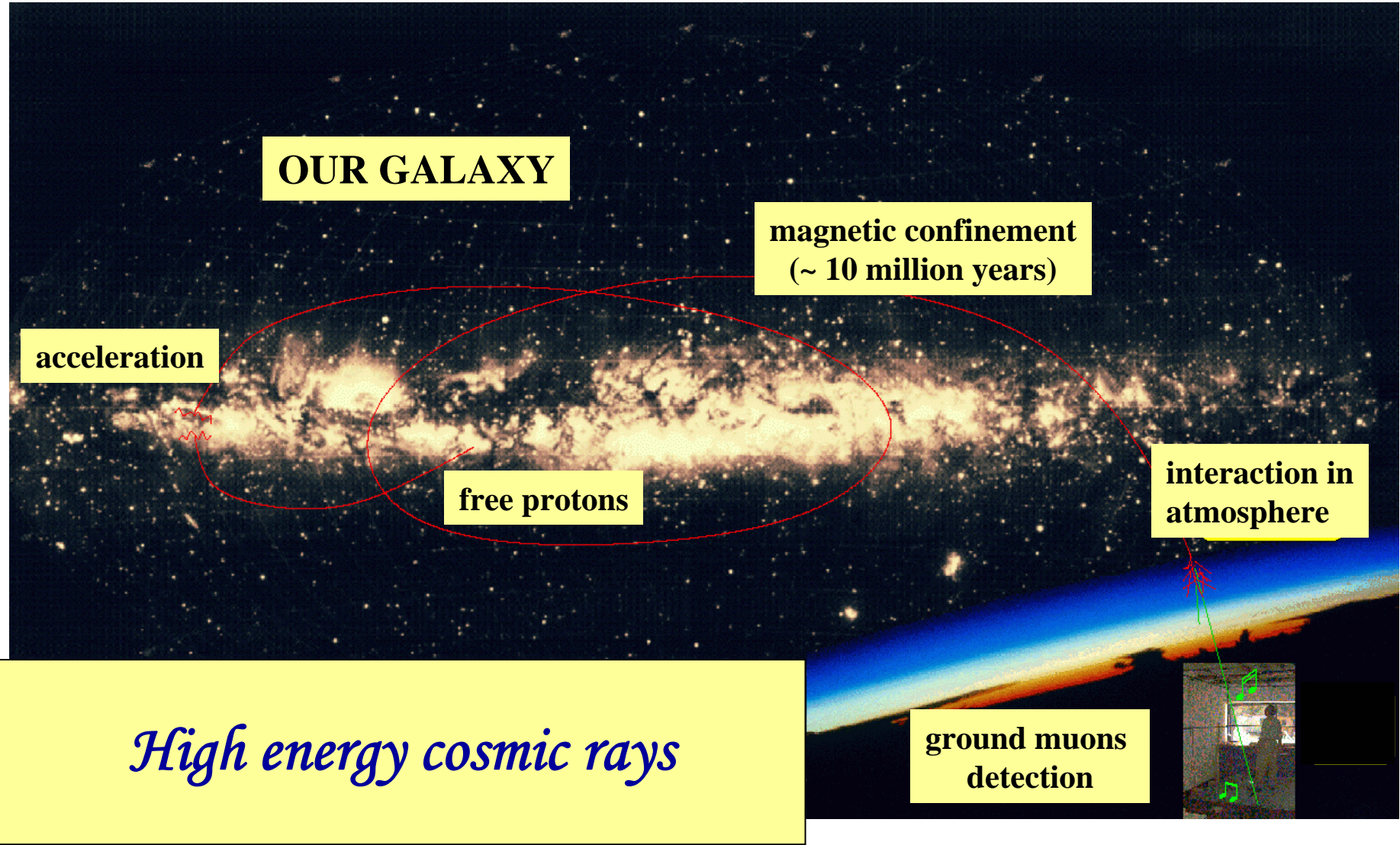
Catherine Ursin

# *When the infinitely small governs the infinitely large*



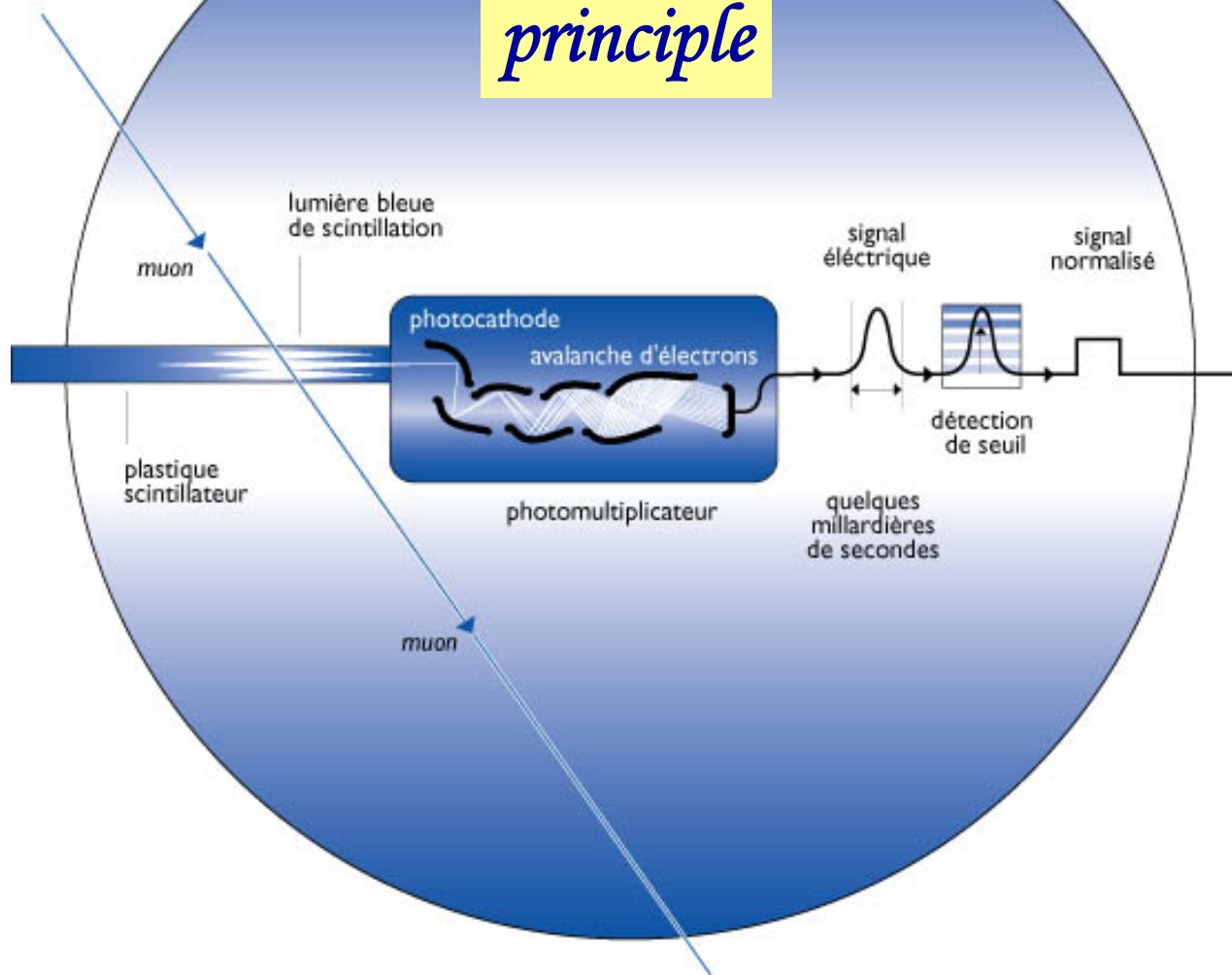


*A view of the Universe when it became transparent,  
300000 years after the Big Bang  
(WMAP satellite)*

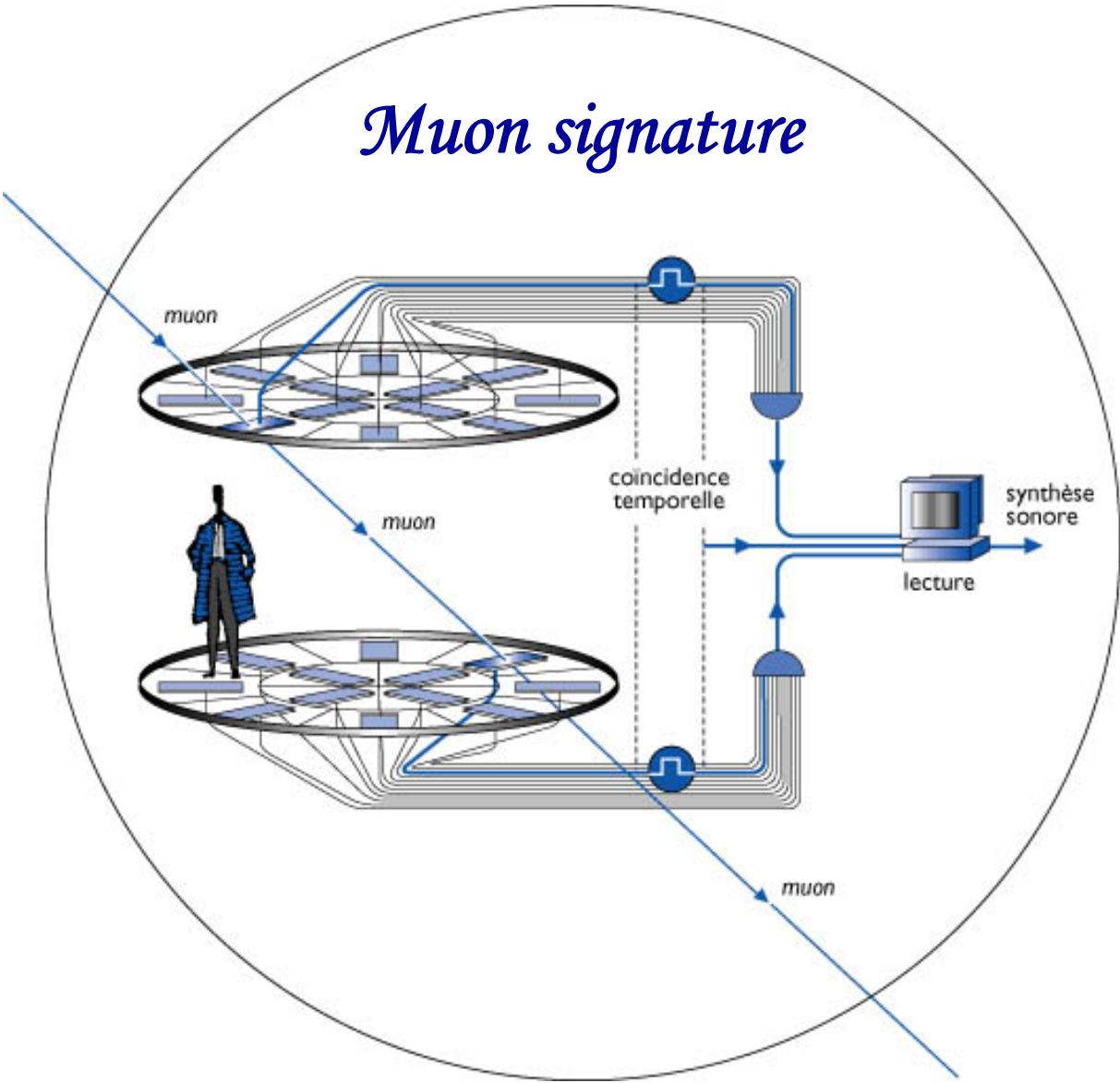




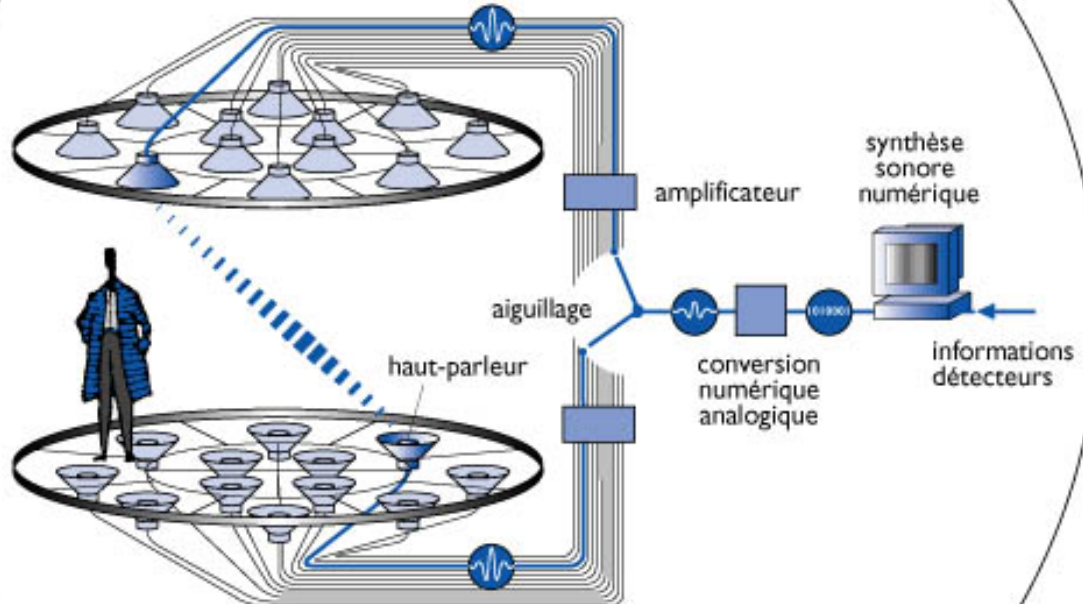
# Detector principe



# *Muon signature*

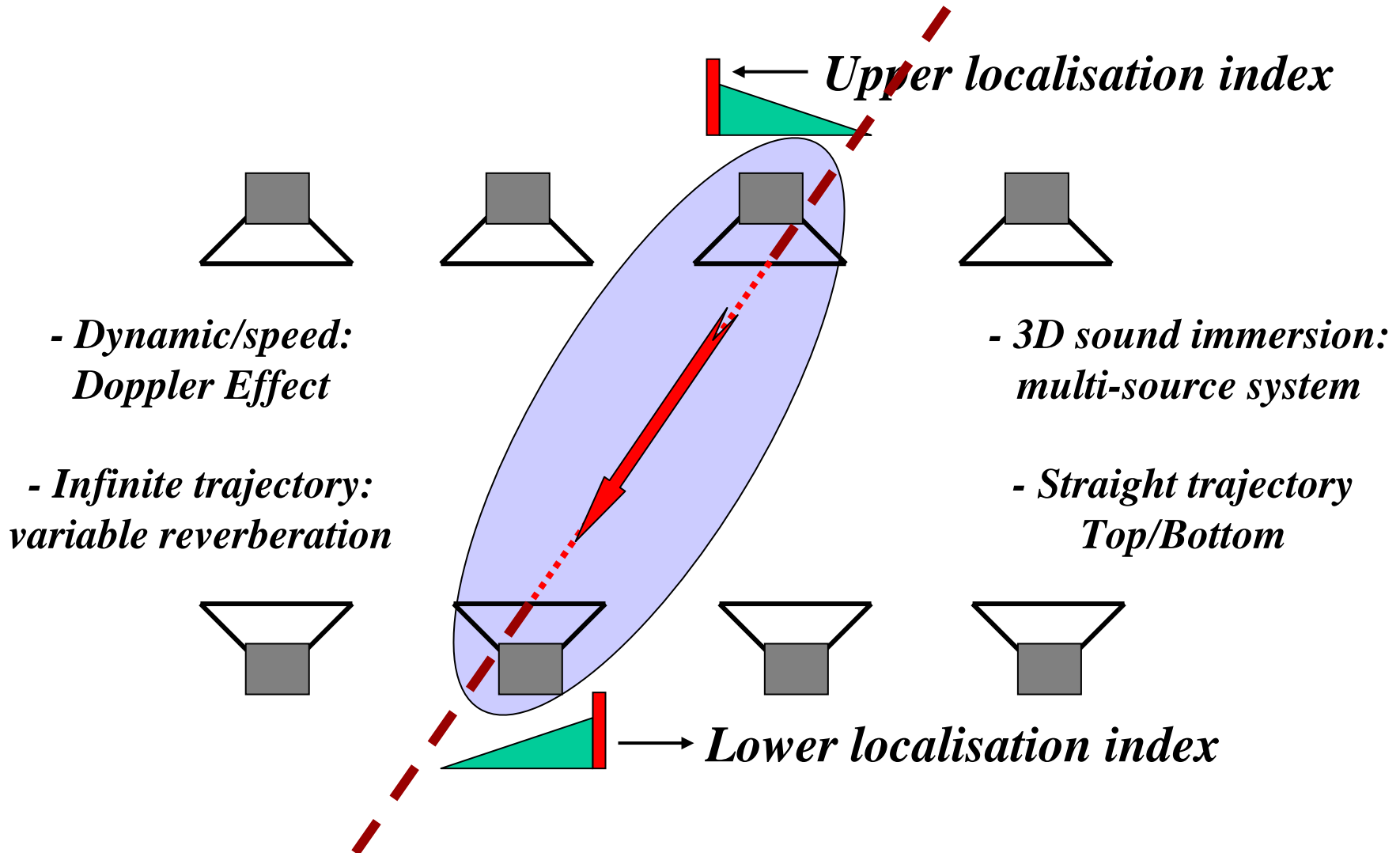


# Sound synthesis





# *Muon trajectories 3-D acoustic materialisation*





*Small device for a scientific exhibition*



*Permanent installation at the Cité des Sciences, Paris*



*CERN 50<sup>th</sup> anniversary, Geneva, October 19, 2004*

**First cosmophone concert, “La Paix des Etoiles II”, Jacques Diennet**



*GRIM* concert, Marseille, January 2006

Pascal Gobin composition for cosmophone and brass ensemble



*GRIM concert, Marseille, January 2006*

**Jean-Marc Montera composition for cosmophone and corsican guitar**