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# PATHWAYS AMONG STARS AND PARTICLES

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Public lectures with free entrance  
November 2009 - June 2010

Â The pre-Socratic philopfers of ancient Greece, in their quest for the fundamental principle of the world, were probably the first thinkers in the western culture to look for a link between micro and macrocosmos. After more than 2,000 years the quest is still ongoing, but the domain changed from Philosphy to Physics.

The existence of a strong relationship connecting phenomena involving elementary particles and astrophysical processes, from star formation and production of energy to the origin and evolution of the universe itself as a whole, has been one of the most outstanding achievements of the 20th century. The convergenge of these kind of studies has given birth to a new scientific subject called Astroparticle Physics.

The â€œCIÃ©ment Fillietroz-ONLUSâ€™ Foundation, who manages the Astronomical Observatory of the Autonomous Region of the Aosta Valley and the Planetarium of Lignan, in the italian Alps at the border with Switzerland and France, organises \*Pathways among Stars and Particles\*, a special public outreach and education initiative devoted to Astroparticle Physics and spanning from midautumn 2009 to late spring 2010.

Five scientists operating in different fields of contemporary scientific research will explain in five different lectures with free entrance the goals of their own work and the instrumentation they use to achieve them, the latest results they have found and the ones they expect to obtain in the next years. Download the whole programme