



International School on AstroParticle Physics 2014 European Doctorate School

MULTI-WAVELENGTH AND MULTI-MESSENGER INVESTIGATION OF THE VISIBLE AND DARK UNIVERSE

21-30 July 2014
Villa Carlotta, Belgirate,

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A. Neronov, D. Maurin, M. Regis,
P. Serpico, R. Sheth, J. Valle

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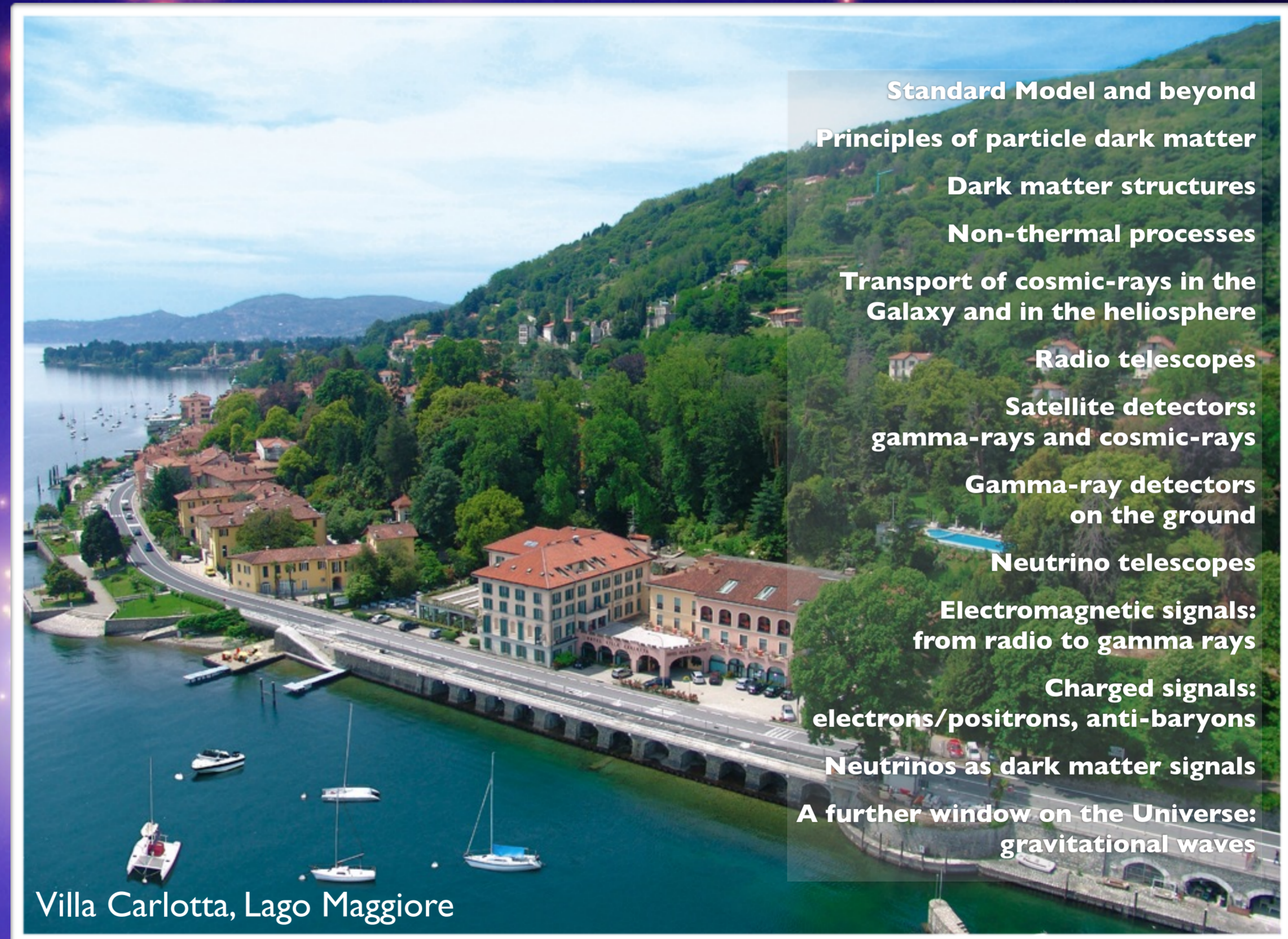
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Standard Model and beyond
Principles of particle dark matter
Dark matter structures
Non-thermal processes
Transport of cosmic-rays in the Galaxy and in the heliosphere
Radio telescopes
Satellite detectors: gamma-rays and cosmic-rays
Gamma-ray detectors on the ground
Neutrino telescopes
Electromagnetic signals: from radio to gamma rays
Charged signals: electrons/positrons, anti-baryons
Neutrinos as dark matter signals
A further window on the Universe: gravitational waves

Further details can be found on the school's
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