

Plenarvorträge (PV)

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PV III Mi 11:30 ZHG 011

The Mysteries of Cosmology — •MICHAEL TURNER — University of Chicago

Deep connections between the very large – the cosmos – and the very

small – quarks – have shaped the Universe we see today and entangled the agendas of particle physics and cosmology. I discuss the present state of cosmology and the big mysteries that point to new physics – dark matter, dark energy, inflation and the baryon asymmetry of the Universe – and the prospects for progress.