

PROOF IN NATURAL PHILOSOPHY BETWEEN ANTIQUITY AND THE EARLY MODERN PERIOD

VILLA LANNA, PRAGUE / 19–21 MAY 2022

THURSDAY 19

9:00-13:00 chair Matyáš Havrda

DAVID BRONSTEIN The Structure of Aristotelian Demonstration

JIM HANKINSON Mathematics and Physics in Aristotle's Theory of the Ether

DIANA QUARANTOTTO Physical Arguments for the Non-Physical Principle
of Nature in Aristotle's *Physics* VIII

15:00–17:30 chair Robert Roreitner

JACQUELINE FEKE Ptolemy's Principles

ORNA HARARI Arguments from the Essence of Things
in Natural Philosophy: Alexander's *Quaestio* III.12

FRIDAY 20

9:10-13:00 chair István Bodnár

RICCARDO STROBINO The Logic of Non-Existents in Avicenna

MARCO SGARBI Demonstration, Explanation and Conjecture
in Early Modern Philosophy: Interpreting Aristotle's *Meteorologica* I.7 344 a 5-8

FABRIZIO BIGOTTI *Demonstratio Quia*.
Early Modern Medical Induction and its Justification

SATURDAY 21

9:10-13:00 chair Pavel Gregorić

DANA JALOBEANU Bacon's Induction and the Construction of 'Science'

MATJAŽ VESEL Galileo Galilei's 'Necessary Demonstrations'

JAN PALKOSKA Scientific Proof in Descartes' Natural Philosophy

15:00-17:30 chair Karel Thein

LADISLAV KVASZ Proof and Other Sources of Certainty in Descartes' Physics

PETER ANSTEY Three Types of Proof in the Seventeenth-Century Natural Philosophy