



Johann Heinrich Tischbein - The Nine Muses - Urania (Astronomy), 1782



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of Venice

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Philosophy and
Cultural Heritage



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Thursday 2019 Feb. 21

h. 2.30-3.30 p.m.

**Malcanton Marcorà Palace,
Aula Valent**

Dorsoduro 3484/D 30123, Venice

We present historical celestial observations of transient phenomena like supernovae, comets, northern lights, and halo effects, all from Arabia and Europe, observed by the unaided eye or with telescopes in the 16th and 17th century. Terra-Astronomy is the study of transient phenomena that potentially affect Earth -studied with various terrestrial archives. The idea of Terra-Astronomy is to obtain progress by critical analysis of historically observed transients for astrophysical problems, e.g. light curves of supernovae, orbits of comets, and reconstruction of past solar activity. Studying historical observing reports can also advance our understanding of observing techniques and knowledge building (e.g. Brahe and al-Mutahhar on the nature of the comets and supernovae of their time), scientific disputes (e.g. Marius and Argoli about possible connections between comets and sunspots), and the inspiration of religious ideas (in the reformation aftermath) by the appearance of celestial transients, in particular the impact of halo effects.

Guests hosted by the ERC endeavor
EarlyModernCosmology
GA 725883

Workshop ERC
EarlyModernCosmology

**Astrophysical and cultural
relevance of historical celestial
observations - examples
from the 16th and 17th century**

Ralph & Dagmar Neuhäuser
University Jena - Astrophysical Institute and University
Observatory, Jena (GE)

Introduction by
prof. **Pietro Omodeo**