



Contribution ID: 2847 Contribution code: THEG1

Type: **Invited Oral Presentation**

Sound at the speed of light: synchrotron radiation and the study of ancient musical instruments

Thursday, 11 May 2023 15:50 (40 minutes)

The structural analysis of historical musical instruments is essential for the definition of restoration and conservation protocols, but also for the study of ancient manufacturing techniques and for the acoustic analysis of these precious objects. The use of synchrotron light microtomography has proved to be the ideal tool for a non-destructive approach in the analysis of instruments of historical importance such as eighteenth-century Italian violins or masterpieces in the history of music such as the first Neanderthal flute and the organs built with paper pipes for the most influential medieval families in Europe.

In collaboration with the Conservatorio di Musica "Giuseppe Tartini" - Trieste

Funding Agency

Footnotes

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Yes

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Session Classification: Entertainment Session