



Contribution ID: 34

Type: **Invited**

The scientific legacy of via Panisperna. History, experiences, and perspectives of the Enrico Fermi Museum.

Thursday, 7 September 2023 09:45 (30 minutes)

The Enrico Fermi Museum is located in the historical building at via Panisperna in Rome, once the “Royal Physical Institute”. Here, in the 1930s, Enrico Fermi and a group of young physicists led the famous experiments on radioactivity induced by neutrons, fundamental for understanding the structure of the atomic nucleus (Nobel Prize 1938). The Museum retraces the significant stages of Fermi’s life and his discoveries, combining traditional objects and panels with modern multimedia technologies in an innovative way.

The visit is particularly interesting to all those interested in understanding how the explorations of the matter have intertwined with the historical events of the 1900s. Schools are the Museum’s target audience, but it is also open to the general public.

Convinced of the centrality of the concept of ‘citizen science’, the goal we pursue is to be able to disseminate science in a new way, using the emotional and entertainment aspect to bring the public closer to scientific content in a simple and captivating way. Museum experiences are extraordinarily memorable and remain etched in the memory for a long time, thus becoming a driving force for learning.

The Museum activities are accompanied by outreach actions and tour labs. The goal is to make the visit to the Fermi Museum and to the monumental complex of via Panisperna, which is a place of historical memory linked to Enrico Fermi and his collaborators, “the boys of via Panisperna”, a unique experience, in a continuous dialogue between history, teaching, and dissemination of physics.

Primary author: FOCACCIA, miriam (Museo Storico della Fisica e Centro Studi e Ricerche ‘Enrico Fermi’)

Co-author: Dr GARBINI, Marco (Museo Storico della Fisica e Centro Studi e Ricerche ‘Enrico Fermi’)

Presenters: FOCACCIA, miriam (Museo Storico della Fisica e Centro Studi e Ricerche ‘Enrico Fermi’); Dr GARBINI, Marco (Museo Storico della Fisica e Centro Studi e Ricerche ‘Enrico Fermi’)

Session Classification: Dialogo storia, didattica e divulgazione / Dialogue between History, Teaching and Dissemination

Track Classification: SISFA 2023