

Ai sensi dell'art. 47 del D.P.R. n. 445/2000, consapevole della responsabilità penale in cui può incorrere in caso di falsità in atti e dichiarazioni mendaci, il sottoscritto dichiara che tutte le informazioni nel seguente curriculum vitae corrispondono a verità.

Stefano Moneta
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EDUCATION

- 2020 - present** PhD in Physics - XXXVI Cycle, Università degli Studi di Perugia and INFN.
- 2018 - 2020** Master degree in Experimental Particle Physics, Università di Pisa. Grade 110/110 con Lode.
- Thesis title:** *A novel method for tau-lepton lifetime measurement with early Belle II data.*
Supervisors: Prof. F. Forti, Prof. E. Paoloni.
- 2015 - 2018** Bachelor of Science in Physics, Università di Pisa. Grade 107/110.
- Thesis title:** *Impact Parameter Resolution in ALEPH Minivertex Detector.*
Supervisor: Prof. G. Batignani.
- 2010 - 2015** Scientific Matura, Liceo Scientifico U. Dini, Pisa. Grade 100/100 con Lode.

EXPERIENCE

- 2020 - present** PhD research activity within the Belle II Perugia group:
- Search for the rare decay $B \rightarrow K^{*0} \tau \tau$.
 - Precise measurement of τ -lepton lifetime.
 - Belle II electromagnetic calorimeter operations and beam-backgrounds studies.
- 2021** Teaching Assistant, Dipartimento di Matematica e Informatica, Università degli Studi di Perugia:
- Fisica I (mechanics, thermodynamics), Corso di Laurea in Matematica.
 - Fisica II (electromagnetism), Corso di Laurea in Matematica.
- 2019 - 2020** Master Thesis activity joining the Belle II working group at INFN Pisa:
- Investigated new method for τ -lepton lifetime measurement.
 - Took part at all the group activities and collaboration meetings.
- 2019** International Summer Student Program at GSI-FAIR.
- Joined the HADES experiment and worked on the upgrade of the T₀ detector.

Talks

- September 27-October 1, 2021, the 16th International Workshop on Tau Lepton Physics - poster: *τ -lepton lifetime measurement at Belle II.*
- September 13-17, 2021, 107^o Congresso Nazionale SIF - *τ -lepton lifetime measurement at Belle II.*
- January 7-10, 2021, XXVII Cracow Epiphany Conference on Future of Particle Physics - *Early tau lifetime measurements with Belle II.*

Publications

- J. Pietraszko et al. “Low Gain Avalanche Detectors for the HADES reaction time (T_0) detector upgrade”. In: *The European Physical Journal A* 56.183 (2020).

Rewards

- Premio di Laurea *Annamaria Cartacci*, Dipartimento di Fisica e Astronomia, Università degli Studi di Firenze.

Perugia, 4 marzo 2022

F.to Stefano Moneta