

Aurélien Carle

<https://arc-pintade.gitlab.io/acarle/>



About me

In my third year as PhD student in physics, my research turns to the study of Lorentz symmetry violation in particle physics. As a complete Linux user, my years of experience have led me to specialize in object-oriented programming.

Personal

28 years old 🧑
French 🇫🇷
24 July 1992 📅

Areas of specialization



Interests

I spend my time reading history of science and epistemology books. I also play drums and some other percussions.

Languages

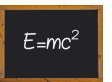
French | C2 | mother
English | B2 | ● ● ● ●

Contact

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🐙 github.com/Arc-Pintade
🔗 gitlab.com/Arc-Pintade

SHORT EXPERIENCE RESUME

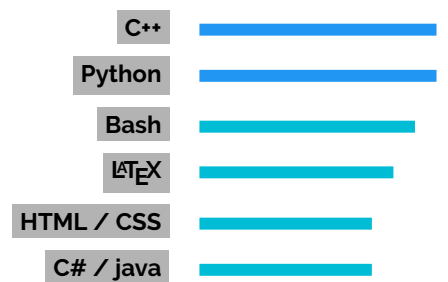
- 2018–2021 **HEPPY framework C++11(Core)*Python(Interface)**
DEVELOPPER · CERN Geneva 📍
BIG DATA manager for high energy physics.
🔗 <https://github.com/Arc-Pintade>
- 2020–2021 **PyPlotFramework (Python)**
LEAD DEVELOPPER · IPNL Lyon 📍
Graphics and histogram plotter using RootCERN library.
🔗 <https://github.com/Arc-Pintade>
- 2020 **Karlul-Engine (C++17)**
CO-DEVELOPPER/GRAPHIST · Lyon 📍
2D game engine for zelda-like games.
🔗 <https://github.com/GregoireUhlrich/KarlulEngine>
- 2018–2020 **C++ and Dynamic Physics**
TEACHER · Université Claude Bernard Lyon 1 📍
tutorials and experiment teacher.



DEGREES

- 2014 **Licence Biochemistry**
UCBL · Lyon 🏛️
- 2018 **Licence/Master Physics**
UCBL / ENS · Lyon 🏛️
- 2021 **PhD Particle Physics**
IP2I · Lyon 🏛️

PROGRAMMING



TALKS

- May. 2019** *Prospects for Lorentz Invariance Violation (LIV)*
CPT19 Conference at Indiana University, Indiana, USA.
- December. 2019** *Search for Lorentz Violation in top quark sector*
JRJC Conference at Brest, France.
- Octobre. 2010** *Search for Lorentz Invariance Violation with $t\bar{t}$ production*
CMS France (distant meeting).
- January. 2021** *Search for Lorentz Invariance Violation with $t\bar{t}$ production*
PhD Day Seminar at Lyon, France.

PUBLICATIONS (<https://inspirehep.net/authors/1692493>)

- 2019** *Prospects for Lorentz Invariance Violation searches with top pair production at the LHC and future hadron colliders.*
The European Physical Journal C
A. Carle, N. Chanon, S. Perriès.
- 2019** *CMS luminosity measurement for the 2018 data-taking period at $\sqrt{s}=13$ TeV.*
CERN CDS information
The CMS collaboration.
- 2020** *Probing Lorentz Invariance With Top Pair Production at the LHC and Future Colliders.*
Proceedings of the Eighth Meeting on CPT and Lorentz Symmetry
A. Carle.

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