

Pierre Guillon

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EDUCATION

PhD student - Laboratoire de Physique des Plasmas, Ecole polytechnique <i>supervised by Özgür D. Gürçan and Nicolas Fedorczak</i> Reduced models for turbulent transport in tokamak plasmas.	2023 - Palaiseau, France
MSPAPDD - Ecole des Ponts et AgroParisTech <i>Public Policy for Sustainable Development</i>	2022 - 2023 Champs-sur-Marne & Palaiseau
Master 2 Grands Instruments - Plasmas, Lasers, Accélérateurs et Tokamaks (GI-PLATO) <i>Masters degree in plasma physics and nuclear fusion</i>	2021 - 2022 Palaiseau, France
Ecole polytechnique <i>Masters degree in Engineering and Science. General engineering curriculum, specialisation in Physics</i>	2018 - 2022 Palaiseau, France
Classe Préparatoire - Lycée Saint-Louis <i>Preparation for the Grandes Ecoles competitive exams, courses in mathematics, physics and chemistry</i>	2016 - 2018 Paris, France
Baccalauréat Scientifique <i>with high honours</i>	2016 Compiègne, France

WORKSHOPS, CONFERENCES AND SCHOOLS

Poster - <i>Physics of Wave Turbulence and beyond</i> workshop, Ecole de physique des Houches (Les Houches, France, Sept. 2024)
Participation - <i>Culham Plasma Physics</i> summer school, Culham Campus (Abingdon, UK, July 2024)
Participation - <i>Anti-diffusive dynamics: from sub-cellular to astrophysical scales</i> programme, Isaac Newton Institute (Cambridge, UK, Mar. 2024)

TEACHING

Numerical Practical, M2 GI-PLATO and PPF <i>Numerical study of the Hasegawa-Wakatani system</i>	Feb. 2024 Orsay, France
Colleur, Lycée Saint-Louis <i>Give weekly oral examinations in physics to 1st year students in classes préparatoires.</i>	Sept. 2019 - Mar.2020 Paris, France

WORK EXPERIENCE

Voies Navigables de France <i>Professional mission</i> Study of the management of dams, locks and other waterway structures of the river Seine.	Feb. - July 2023 Bouyval France
IRFM, CEA <i>Research internship supervised by Nicolas Fedorczak</i> Development of a tomography algorithm to reconstruct 2D emissivity profiles from bolometry measurements in the tokamak WEST. Study of the power exhaust in the scrape-off-layer.	Mar. - Aug. 2022 Saint-Paul-lès-Durance, France
CELIA <i>Research internship supervised by Gabriel Pérez-Callejo</i> Development of a post-processing algorithm for deconvoluting Bremsstrahlung X-rays from ICF experiments and other plasma-laser experiments. Participation at two experimental campaigns at LULI2000 and at CLPU. <i>Ecole polytechnique prize for best research internship in plasma physics</i>	Mar. - July 2021 Talence, France

Withings

Internship

June - Aug. 2020
Issy-les-Moulineaux, France

Monte-carlo simulations of ray propagation in complex optic systems.

Troisième Régiment du Service Militaire Volontaire

Military internship

Nov. 2018 - Apr. 2019
La Rochelle, France

Train and manage a 50 member squad to provide them both military and professional skills.

SKILLS

Languages: French (first language), English (fluent), Italian (beginner level)

Programming: Python, Matlab **SoftwareTools:** Jupyter Notebook, Latex, Inkscape, Reaper

Hobbies

Music: flute and saxophone ; founder of a jazz band

Sport: Swimming