

BENJAMIN BERTIN

PHD STUDENT IN PHYSICS

EXPERIENCES

Research laboratory

ICMcb/CNRS (33) | October 2024 - October 2027 (PhD)

- Synthesis, shaping and study of the barocaloric refrigeration capacity of spin crossover compounds
- Equilibrium between phases

CBMN/CNRS (33) | January 2024 - June 2024 (Internship)

- Cocrystallization assisted by supercritical CO₂
- Equilibrium between phases, formation of conglomerate crystals

Laboratoire SMS (76) | March 2023 - July 2023 (Internship)

- Interaction between chirality levels : Highlighting and identifying the prerequisites of chiral transfer
- Preferential crystallization

Seasonal employment

Multi-skilled farm operator at NATUP (76) | Summer 2018 to 2022

- Agricultural silo management
- Driving handling equipment
- Receiving and dispatching wheat, barley and rapeseed

Associative mission

Vice-president in charge of sports at AESR (Association des Étudiants en Sciences de Rouen) | 2022-2024

- Creating and managing events for students

ACADEMIC BACKGROUND

University of Bordeaux (33)

- Phd in Physics of Matter | 2024-2027

University of Rouen (76)

- Master Solid State and Crystallization | 2022-2024
- Bachelor in physics and chemistry | 2017 - 2022

Anguier High School in Eu (76)

- Scientific baccalaureate | 2017



INFORMATION

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Driving license

SKILLS

- X-ray diffraction
- Preferential crystallization
- Synchrotron facilities
- Magnetic measurements
- DSC
- GAS system (Gaseous Anti Solvant)
- Office suite
- LogicPro

LANGUAGES

French

English

INTERESTS

Music (guitar, piano)

Sport (surf, ski, handball, triathlon)