

UTTIYA SARKAR

Post Doctoral Researcher, Ecole Polytechnique, CNRS

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📱 uttiya-sarkar

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🔗 citations?user=_kV2v8wAAAAJ&hl=en



EXPERIENCE

Post Doctoral Researcher

Ecole Polytechnique

📅 April 2021 – Present 📍 Palaiseau, France

- Involved in operations and performance for the data taking of the Large Hadron Collider, improving algorithms for physics object studies

Guest and Visitor Researcher

Fermilab

📅 Jan 2019 – June 2019 📍 Batavia, Illinois

- Algorithm design and testing for physics objects

EDUCATION

Ph.D. in Experimental High Energy Physics

Tata Institute of Fundamental Research

📅 Aug 2015 – Feb 2021 📍 Mumbai, India

M.Sc. in Physics

Indian Institute of Technology, Indore

📅 Aug 2013 – June 2015 📍 Indore, India

B.Sc. in Physics

Burdwan University

📅 Aug 2010 – June 2013 📍 Burdwan, India

PUBLICATIONS

📄 Journal Articles

- Search for supersymmetry in proton-proton collisions at $\sqrt{s} = 13$ TeV in final states with high-momentum Z bosons and missing transverse momentum. (2020). arXiv: 2008.04422

👥 Conference Proceedings

- Sarkar, U. (2021). Searches for supersymmetry in CMS. In *9th International Conference on New Frontiers in Physics*. arXiv: 2105.01629 [hep-ex]

ACHIEVEMENTS

🎓 CNRS Fellow
Ecole Polytechnique, Palaiseau

🏆 Topper, M.Sc.
Indian Institute of Technology Indore (CGPA 8.9)

🎬 Film-making
Contributor to feature documentary Life in a day 2020 📺

🎵 Music
Bronze Medalist, Tabla (Indian percussion instrument)

ABOUT ME

"More than 5 years of work experience in Compact Muon Solenoid experiment at Large Hadron Collider, involved in handling large data and software testing and development"

LANGUAGES

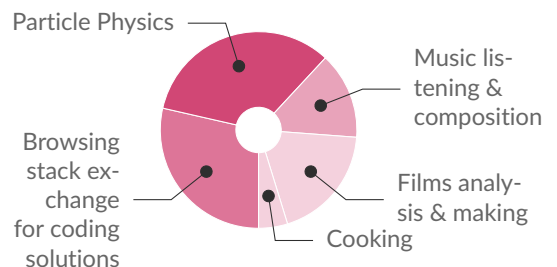
Java, HTML, PHP
C++, Python, BASH
HEP Tools, Latex, Git
TENSORFLOW, VIVADO



English, Bengali, Hindi
French



INTERESTS



LEADERSHIP

🏆 Contact person of data analysis of a particle search

👥 Guided 2 PhD and 1 Masters student

🎤 Conference talks in more than 10 places all over the world 📺

📺 Masters Ph.D. level Teaching assistant of Particle Physics course

CREATIVE

Film-making Music Cooking
Bouldering Travelling Photography
Origami Crafting Design