

DRISS BENCHEKROUN

PERSONAL DATA

First Name DRISS
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Place and Date of Birth Casablanca, Morocco | 10 July 1967
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EDUCATION

Diploma	Institution	Year
Bachelor (physics)	Hassan II University of Casablanca - Morocco	1989
Master (Nuclear Physics)	Université Claude Bernard - Lyon	1991
PhD (Nuclear Physics)	Claude Bernard University Lyon – France	1994
Habilitation in High Energy Physics	Hassan II University of Casablanca - Morocco	2001

PROJECTS AND RESPONSABILITIES

- **Professor of Physics at Hassan II University of Casablanca: since October 1996**
- **Head of the High Energy Physics and Condensed Matter Laboratory**
- **Coordinator of the Moroccan High Energy Physics Network (RUPHE)**
- **National Contact Physicist of Morocco in the ATLAS project at CERN**
- **Member of the Upgrade Advisory Board of the ATLAS Experiment**

- **National Contact Physicist of Morocco in the CALICE project (CALorimeters for LInear Collider Experiments):**
<https://twiki.cern.ch/twiki/bin/view/CALICE/SteeringBoard>
- **Coordinator of the Master of Instrumentation and Scientific Computing in High Energy Physics**
- **Board Member of the Sharing Knowledge Foundation (based in Geneva):**
<https://sharing-knowledge.org/>

RESEARCH INTERESTS

1- High Energy Physics:

- ATLAS upgrade for the HL-LHC phase: R&D of the HGTD Detector (High Granularity Timing Detector)
- Search for new physics signals with the ATLAS Detector – Use of Machine Learning Technics
- Detectors R&D Program for the future Linear Collider ILC

2- Nuclear Technics and Medical Physics:

- Study of cohesive sediments effect in marine environment with the technique nuclear gauges
- Risks of the exposition to natural radioactivity
- Study of the BNCT Therapy feasibility at the Moroccan TRIGA Reactor: Geant4 simulations
- Geant4 simulations of metallic prothesis and dental implants effect in radiotherapy

SCIENTIFIC PRODUCTION

- Google Scholar Profile:
<https://scholar.google.com/citations?user=RozhgHIAAAAJ&hl=fr>
- SCOPUS Profile:
<https://www.scopus.com/authid/detail.uri?authorId=6602368174>
- ORCID Profile: <https://orcid.org/0000-0001-5196-8327>
- H-index: 212