**Curriculum Vitae**

**Amani Kraishan**

June 2021

**Personal \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| ***Place of Birth*** | Jordan |
| ***Date of Birth*** | October 30, 1984 |
| ***Marital Status*** | Married |
| ***Nationality*** | Jordanian |
| ***Work Address*** | Department of Physics, College of Science, Al-Hussein Bin Talal University, Ma′an, Jordan. Phone: +962772045644 E-mail: amani.f.kraishan@ahu.edu.jo |
| ***Academic Rank (date)*** | Assistant Professor (2018) |

**Academic Qualifications \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| 2018 | **Ph.D**., Physics, Temple University, College of Science and Technology, Philadelphia, PA |
| 2012 | **M.Sc.**, Physics, University of Delaware, College of Art and Science, Newark, DE |
| 2006 | **B.Sc.,** Physics, Al-Hussein Bin Talal University, College of Science, Ma’an, Jordan |

**Specialty \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| ***General Specialization:*** | Physics |
| ***Specialization :*** | Nuclear and High Energy Physics |

**Career History \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| September 2018 -Present | **Assistant Professor,** Department of Physics**,** College of Science**,** Al-Hussein Bin Talal University, Ma'an, Jordan. |
| August 2013 – May 2018 | **Teaching Assistant**, Department of Physics**,** Temple University, Philadelphia, PA |
| August 2013 - May 2018  June 2006- June 2009 | **Research Assistant,** Department of Physics**,** Temple University, Philadelphia, PA  **Research and Teaching Assistant,** Department of Physics**,** College of Science**,** Al-Hussein Bin Talal University, Ma'an, Jordan. |

**HONORS, SCHOLARSHIPS, AWARDS AND GRANTS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| 2018 | Recognition Award by Battelle Memorial Institute and Stony Brook University, USA |
| 2016 | The Outstanding Teaching Assistant Award in Physics, Temple University, USA |
| 2009-2014  2006  2003-2006 | Fellowship for M.Sc. and PhD research, Al-Hussein Bin Talal University, Jordan.  Highest honor B.Sc. Student award, Al-Hussein Bin Talal University, Jordan.  Fellowship for Bachelor studies, Al-Hussein Bin Talal University, Jordan. |

**Research Interest** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Hadron Structure.
* Detector development for particle physics.
* Nuclear Physics

**Publications \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Contributed to more than 56 publications (more than 1700 citations) for the STAR collaboration in peer-reviewed journals.
* Papers (as Primary Author)
  + Measurement of the longitudinal spin asymmetries for weak boson production in proton-proton collisions at s√ = 510 GeV. arXiv:1812.04817

**Conferences And Proceedings \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* “Measurement of Longitudinal Single-Spin Asymmetry for W Boson Production in Polarized proton-proton Collisions at STAR”, Poster, RHIC/AGS Users Meeting (Brookhaven National Lab, NY), June 2018.
* “Measurement of the Longitudinal Single-Spin Asymmetry for W Boson Production in Polarized Proton-Proton Collisions at STAR”, APS Division of Nuclear Physics Fall Meeting (Pittsburgh, PA), October 2017.
* “Probing Helicity and Unpolarized Quark/Anti-quark Distribution Function Using W Boson Production at RHIC”, RHIC/AGS Users Meeting (Brookhaven National Lab, NY), June 2017.
* “Measurement of Longitudinal Single-Spin Asymmetry for W Boson Production at Forward Pseudocapacitive in Polarized proton-proton Collisions at STAR”, Poster, RHIC/AGS Users Meeting (Brookhaven National Lab, NY), June 2017.
* “Measurement of Longitudinal Single-Spin Asymmetry for W Boson Production at STAR at Forward Rapidity”, APS April Meeting (Washington, DC), January 2017.
* “The Forward GEM Tracker (FGT) of STAR at RHIC”, Poster, RHIC/AGS Users Meeting (Brookhaven National Lab, NY), June 2016.
* “Test of Commercially Manufactured Large Single Mask GEM Foils”, APS Division of Nuclear Physics Fall Meeting (Santa Fe, NM), October 2015.

**Teaching\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| ***Courses Taught-undergraduate*** |
| * General Physics Lab I & II, Al-Hussein Bin Talal University * Mathematical Physics I & II, Al-Hussein Bin Talal University * Classical Physics I & II, Al-Hussein Bin Talal University * Optics II, Al-Hussein Bin Talal University |

**Skills\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| ***Languages*** |
| * Arabic (Native) |
| * English (Excellent) |

***Computer Programs***

* C/C++
* ROOT
* Bash Scripts
* Linux
* LaTeX