

LIST OF PEER-REVIEWED PUBLICATIONS (CO-AUTHORED WITH MY RESEARCH COLLABORATORS)

These papers can be viewed from the INSPIRE website: http://inspirehep.net/search?ln=en&p=find+a+mahmood%2C+a&action_search=Search

1. “Studies of the Performance of the ATLAS Detector Using Cosmic-ray Muons”, with *G. Aad et. al (ATLAS Collaboration)*, **European Physics Journal** C71:1593, 2011.
2. “Measurement of Inclusive Jet and Dijet Cross Sections in Proton-Proton Collisions at 7 TeV Centre-of-Mass Energy with the ATLAS Detector, with *G. Aad et. al (ATLAS Collaboration)*, **European Physics Journal** C71:1512, 2011.
3. “Search for Quark Contact Interactions in Dijet Angular Distributions in pp Collisions at $\sqrt{S} = 7$ TeV Measured with the ATLAS Detector”, with *G. Aad et. al (ATLAS Collaboration)*, **Physics Letters** B694:327-345, 2011.
4. “Readiness of the ATLAS Liquid Argon Calorimeter for LHC Collisions”, with *G. Aad et. al (ATLAS Collaboration)*, **European Physics Journal** C70:723-753, 2010.
5. “Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muon”, with *G. Aad et. al (ATLAS Collaboration)*, **European Physics Journal** C70:755-785, 2010.
6. “Charged-Particle Multiplicities in pp Interactions at $\sqrt{S} = 900$ GeV Measured with the ATLAS Detector at the LHC”, with *G. Aad et. al (ATLAS Collaboration)*, **Physics Letters** B688:21-42, 2010.
7. “The ATLAS Simulation Infrastructure”, with *G. Aad et. al (ATLAS Collaboration)*, **European Physics Journal** C70:823-874, 2010.
8. “Commissioning of the ATLAS Muon Spectrometer with Cosmic Rays”, with *G. Aad et. al (ATLAS Collaboration)*, **European Physics Journal** C70:875-916, 2010.
9. “Measurement of the $W \rightarrow l\nu$ and $Z/\gamma \rightarrow ll$ Production Cross Sections in Proton-Proton Collisions at $\sqrt{S} = 7$ TeV with the ATLAS Detector, with *G. Aad et. al (ATLAS Collaboration)*, **Journal of High Energy Physics** 1012:060, 2010.
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13. “Performance of the ATLAS Detector using First Collision Data”, with *G. Aad et. al (ATLAS Collaboration)*, **Journal of High Energy Physics** 1009:056, 2010.
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16. “Study of Tau Decays to Four Hadron Final States with Kaons”, with *K. Arms et. al.*, **Physical Review Letters**, 94:241802, 2005.
17. “Limits of Neutral D Mixing in Semileptonic Decays”, with *Cawlfild, et. al.*, **Physical Review D**, 71:077101, 2005.
18. “Branching Fractions for $\psi(2S)$ to J/ψ Transitions”, with *N. E. Adams et. al.*, **Physical Review Letters**, 94:232002, 2005.
19. “Search for $D^0\bar{D}^0$ Mixing in the Dalitz Plot Analysis of $D^0 \rightarrow K_s^0\pi^+\pi^-$ ”, with *D.M. Asner et. al.*, **Physical Review D**,72:012001, 2005.
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22. “The Search for $\eta(1440) \rightarrow K_s^0 K^{+-}\pi^{+-}$ in Two-Photon Fusion at CLEO”, with *R. Ahohe et. al.*, **Physical Review D**, 71:072001, 2005.
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