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Study of Jet Fragmentation Using High- p_T Photon Triggered Events in PHENIX MATTHEW NGUYEN, SUNY Stony Brook, PHENIX COL-LABORATION — In high-energy, central Au+Au collisions it is well-known that the p_T distribution of hadrons associated with jet fragmentation is modified with respect to p+p collisions. The p_T distribution of photons produced in hard collisions, however, is not modified. Using the presence of a high- p_T direct photon to identify hard collisions, we have obtained a sample of jets in a manner which is not biased by the mechanism which alters the hadron spectrum. We discuss a method for tagging direct photons in the PHENIX detector. We present distributions of jets properties indirect photon-tagged Au+Au, Cu+Cu, and p+p collisions and theirdependence on centrality and reaction plane orientation.

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