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## VERITAS Search for Magnetically Broadened Emission From Blazars

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A non-zero intergalactic magnetic field (IGMF) would potentially produce detectable effects on cascade emission from blazars. Depending on the strength of the IGMF, the cascade emission may be time delayed or angularly broadened compared to the blazar's primary, unscattered emission. Ground-based imaging atmospheric Cherenkov telescopes, such as VERITAS, have the precise angular resolution needed to search for magnetically broadened emission. We present the latest VERITAS results on the search for extended gamma-ray emission, based on observations of a number of strongly detected TeV blazars at a range of redshifts. The consequent constraints on the strength of the IGMF are discussed.

### Collaboration

VERITAS

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**Author:** PUESCHEL, Elisa Kay (University College Dublin)**Presenter:** PUESCHEL, Elisa Kay (University College Dublin)**Session Classification:** Parallel GA18 EGAL**Track Classification:** GA-EX