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Gamma-ray, neutrino and antiproton fluxes from TeV Dark Matter at the Galactic Center.

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I will show that the collection of data of the years 2004, 2005 and 2006 of the gamma-ray flux observed by HESS from the J1745-290 Galactic Center source is well fitted as the secondary gamma-ray photons generated from Dark Matter annihilating into Standard Model particles in combination with a simple power law background. The model independent fits are performed for all the possible channels of annihilation. The best fits are obtained for the $u\bar{u}$ and $d\bar{d}$ quark channels and for the $W+W^-$ and ZZ gauge boson, with background spectral index compatible with the Fermi-LAT data. I will show that this possibility can be tested with the observations of other cosmic-rays. So far, TeV DM masses are practically unconstrained by direct detection searches or colliders experiments.

Primary author: Ms GAMMALDI, Viviana (Universidad Complutense Madrid (UCM))

Presenter: Ms GAMMALDI, Viviana (Universidad Complutense Madrid (UCM))

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