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Gamma-ray emission of hadronic origin from nova RS Oph revealed by the MAGIC telescopes

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The recurrent symbiotic nova RS Ophiuchi (RS Oph), which exhibits eruptive events once every 15 years, displayed its latest major outburst on August 2021. This eruption was detected from radio up to very-highenergy (VHE) gamma rays, making of RS Oph the first nova discovered in the VHE regime. After receiving the optical and high-energy triggers, the MAGIC telescopes performed a followed-up campaign on this source and detected the nova from August 09 to 12. The emission observed by MAGIC prove a hadronic origin of the gamma-ray component. In this talk, we will report on the results obtained by MAGIC during the RS Oph 2021 eruption, coupled with some modeling interpretations.

Primary authors: LÓPEZ-ORAMAS, Alicia (Instituto de Astrofísica de Canarias (IAC)); FALLAH RAMAZANI, Vandad (Ruhr-Universität Bochum); GREEN, David (Max-Planck-Institute for Physics); LEONE, Francesco (National Institute for Astrophysics); LÓPEZ-COTO, Rubén (Università di Padova and INFN); SITAREK, Julian (University of Lodz)

Presenter: LÓPEZ-ORAMAS, Alicia (Instituto de Astrofísica de Canarias (IAC))

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