**Title**: The upgraded Data Acquisition System of the H.E.S.S. telescope array **Authors**: Sylvia J. Zhu, Tim Lukas Holch, Thomas Murach, Stefan Ohm, Matthias Füßling, Mathieu de Naurois, Fabian Krack, Klemens Mosshammer, Rico Lindemann

This contribution describes the 2019 full cluster upgrade of the H.E.S.S. DAQ and the current cluster layout. The upgraded DAQ ensures the stability of the array during datataking operations. Thanks to thorough planning, the physical upgrade took place over two weeks, with a return to normal operations afterwards. Since then, H.E.S.S. has seen record array uptimes.