

Offset Pulsar Wind Nebulae seen by H.E.S.S.: Vela X, G18.0-0.7, and two low latitude new gamma-ray sources

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The hard gamma-ray emission of several offset-type pulsar wind nebulae have been recently revealed by the H.E.S.S. system of Very High Energy gamma-ray telescopes at energies above 100 GeV. VHE gamma-ray emitting electrons from these PWNe surviving longer than the epoch of SNR reverse shock passage, provide information about the morphology of crushed PWNe. H.E.S.S. detections of the extended emissions of Vela X, G18.0-0.7 and two other low latitude PWNe shed light on the status of such asymmetric PWNe, where the offset morphologies could be due to the expansion of the SNR forward shock into inhomogeneous media.