

Towards IceCube-Gen2

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Building on the success of IceCube at the South Pole, the next generation experiment IceCube-Gen2 is taking shape. Next to an extension of the optical array, further developing the optical detector learning for the IceCube-Upgrade currently in preparation, IceCube-Gen2 is planned to feature a large in-ice radio array targeting neutrinos beyond PeV energies. This radio array will build on heritage from many former and existing radio neutrino experiments. It will dominate the sensitivity of IceCube-Gen2 at EeV energies, improving at least an order of magnitude in sensitivity over existing arrays. IceCube-Gen2 will also feature a much enlarged surface array, including in-air radio antennas targeting air showers.

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