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Herman Feshbach Prize in Theoretical Nuclear Physics (2021): Diagnosing the Quark-Gluon Plasma

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A multitude of probes have been proposed and utilized as diagnostics of the new state of matter, the quark-gluon plasma, produced in relativistic nuclear collisions at the SPS, RHIC, and LHC. In my talk I will review that diagnostic power of these probes, their practical success, and their promise of future insights.