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structure they cannot be reduced or separated into smaller ponents it is therefore reasonable to call them elementary particles a name that in the past was mistakenly given to particles such as the proton which is in fact a plex particle that contains quarks'

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particle physics which classifies elementary particles into several groups is at the core of modern physics in this model three of the four fundamental forces of physics are described along with gauge bosons the particles that mediate those forces although gravity isn't technically included in the standard model theoretical physicists are working to extend the *'introduction to elementary particles semantic scholar*

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