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## Highly magnetized white dwarfs: implications and current status

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Since last 10 years or so, we have been developing the possible existence of highly magnetized white dwarfs. While the primary aim was to explain peculiar overluminous type Ia supernovae, later on, they have been found to have multiple implications including soft gamma-ray repeaters and anomalous X-ray pulsars, and gravitational radiation. Recently, we have successfully simulated their formation from magnetized main sequence stars. In this talk, I will touch upon all these findings and conclude with their current status in the community.

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