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Stripping model for short Gamma-ray Bursts in neutron star mergers

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I overview the current status of the stripping model for short gamma-ray bursts. After the historical joint detection of the gravitational wave event GW170817 and the accompanying gamma-ray burst GRB170817A, the relation between short gamma-ray bursts and neutron star mergers has been reliably confirmed. Many properties of GRB170817A, which turned out to be peculiar in comparison with other short gamma-ray bursts, are naturally explained in the stripping model, suggested by us in 1984. I point out the role of late Dmitriy Konstantinovich Nadyozhin (1937-2020) in predicting the GRB and kilonova properties already in 1990. I review also the problems to be solved in the context of this model.

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