# Merging galaxy clusters: probing magnetism and particle acceleration over cosmic time

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# Merging Galaxy Clusters: probing magnetism and particle acceleration over cosmic time

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The cover design and coloring is done by Gabriella Di Gennaro. The front cover shows a rotated image of the relic in the merging galaxy cluster CIZAJ2242+5301, as seen by the VLA radio telescope; the white segments on the relic represent the direction of electric field on the source. The back cover shows one of the brightest and most distant galaxy clusters known to date, located when the Universe was only half of its age, as seen by the LOFAR radio telescope.

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A mia sorella
la mia forza, la mia roccia,
il mio porto sicuro.

*To my sister*
*my strength, my rock,*
*my safe harbour.*

# CONTENTS