

Baryons in the Universe 2024



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The hot circumgalactic medium

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The circumgalactic medium (CGM) plays a critical role in galaxy formation and evolution. The X-ray missions Chandra, XMM-Newton, and Suzaku opened a new window on CGM studies, allowing us to probe the warm-hot gas where most of the galactic baryons reside. In over two decades since the launch of Chandra and XMM-Newton, we have made great strides in understanding the CGM, but significant challenges remain. I'll review our progress so far, highlight new discoveries, outline the open questions, and discuss paths for future progress.

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