

Abstract Submitted
for the APR20 Meeting of
The American Physical Society

Baryon Acoustic Oscillations and Dark Energy¹ HEE-JONG SEO,
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SCOPIC SURVEY COLLABORATION, EXTENDED BARYON OSCILLATION
SPECTROSCOPIC SURVEY COLLABORATION — Baryon Acoustic Oscillations
are a primordial sound-wave feature imprinted in the large scale clustering of matter
and galaxies. Many previous, current (e.g., eBOSS), and upcoming galaxy surveys
(e.g., DESI) are dedicated to using this feature as a standard ruler to robustly probe
the expansion history of the Universe. In this talk, I plan to present how BAO is
used as the standard ruler and why BAO is a robust dark energy probe.

¹Supported by the U.S. Department of Energy, Office of Science, Office of High
Energy Physics under DE-SC0019091

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Date submitted: 09 Jan 2020

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