

**NRAO/Socorro Colloquium Series**

**Di Li**

*NAOC/FAST*

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**Gas Evolution in the Milkyway and Beyond**

**Abstract**

In the Universe, the luminous matter is only a small fraction of the total baryons, which itself is a small fraction of the matter. The key process of “lighting” up the universe with stars and galaxies is star formation that happens in the cosmic gas. I report here our recent work on the Galactic and extra-galactic gas evolution with two main focuses, namely, the so-called dark molecular gas (DMG) and the feedback of star formation onto ISM. My main conclusions are 1) the total amount of molecular gas has been underestimated by at least a factor of a few 2) the star formation feedback is significant on all scales, seemly sufficient to sustain turbulence.

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**December 11, 2015**

**11:00 am**

**Array Operations Center Auditorium**

**All NRAO employees are invited to attend via video, available in Charlottesville Auditorium, Green Bank Auditorium, and VLA Video Conference Room.**

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