

Talk at Splinter Meeting

Splinter B

ALMA — REVOLUTIONIZING (SUB-)MILLIMETER ASTRONOMY

Stefanie Mühle (for the German ARC node)^{1,2}

¹*Argelander-Institut für Astronomie, Universität Bonn*

²*I. Physikalisches Institut, Universität zu Köln*

The Atacama Millimeter/Submillimeter Array (ALMA) is a revolutionary interferometer that complements world-leading radio interferometers and prime optical/IR telescopes. Fully completed, ALMA will offer an increase in sensitivity and angular resolution of up to two orders of magnitude over all previously existing mm/submm interferometers. To optimize the scientific return, a comprehensive support structure has been built around ALMA. I will summarize ALMA's exiting capabilities and the many ways in which the German ARC node supports (prospective) ALMA users in Germany, Austria and Switzerland. In addition, I will present selected ALMA observations demonstrating how ALMA revolutionizes (sub-)millimeter astronomy.