



Call for expert teams – January 2015

Expert teams

Everybody is now welcome to join the future expert teams, which will work on specific topics related to solar science with ALMA.

Below you find a list with suggestions for possible teams. Please feel free to suggest further teams if you are missing something in the list.

[A]	Numerical models of the solar atmosphere
[B]	Radiative transfer and brightness temperature synthesis
[C]	Simulating instrumental effects for ALMA <i>(incl. interferometric imaging)</i>
[D]	Spectral lines in the millimeter range as new diagnostic tools
[E]	Emission mechanisms at millimeter wavelengths
[F]	Magnetic field measurements
[G]	Oscillations and waves
[H]	Solar flares
[I]	Prominences
[J]	Chromospheric and coronal heating
[K]	Quiet Sun regions
[L]	Active regions and sunspots
[M]	Magnetic loops in the upper atmosphere
[N]	Space weather
[O]	Implications for stellar physics - The solar-stellar connection

What is the purpose of the expert teams?

ALMA is providing many new opportunities for solar physics, which also means that there are still many topics that need to be researched in more detail. The review article, which is currently in preparation, gives us a good overview of questions that need to be addressed.

Each expert team will focus on its nominal topic. First steps will be to identify fundamental questions and a potential roadmap with realistic milestones. Ideally, the work will result in common projects and publications.

There will be certainly an overlap between some teams in terms of content and team members. Exchange and collaboration between individual teams is desirable. In particular, some teams focus on rather fundamental methodological topics, which may result in knowledge and tools beneficial to more science-oriented teams. The exchange of useful information and cross-team collaborations will be organized through activities that involve the whole SSALMONetwork. For instance, we should have regular team reports (as part of the newsletters) and workshops in the future.

How do I join?

Everybody is welcome to join one or a few teams. However, it is expected that you contribute **actively** to the activities of the team(s) for which you sign up. For joining a suggested team on the list and/or for suggesting additional teams, please send an e-mail to

sven.wedemeyer@astro.uio.no

with the subject

SSALMON expert teams

The start date for team activities is **March 15th, 2015**. Please sign up before that (although it will be possible to join any team later, too). The teams with lists of the participants will be published on the SSALMON website and continually updated.

Looking forward to hear from you!

With best regards,

On behalf of your SSALMON team,

Sven Wedemeyer (*sven.wedemeyer@astro.uio.no*)