

AETHRA meeting

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IRAM Grenoble, Wednesday, 25 September 2019

- 9h00 Welcome - Organizational Details (... Who joins for dinner ? ...)
- 9h05 Status and next steps (incl. budget, reporting) – I.Rottmann (MPIfR)
- 9h20 Milestones & deliverables till autumn 2020 – C.Kramer (IRAM)
- 9h30 WP 5.3 FPA of receivers operating around 1 THz
Task 1: SIS mixers – A.Traini (Uni Oxford) and N.Honingh (Uni Köln)
Task 2: SIS 2SB mixer array – A.Baryshev (RuG)
Discussion
- 10h30 Coffee break
- 10h50 Task 3: HEB mixers with enlarged IF bandwidth
(+parts of Task 4) – J.R.Gao (TUD/SRON)
Task 4: HEB array demonstrator – Z.Haotian (Obs. Paris)
Discussion
- 12h00 Lunch
- 13h30 WP 5.1 Semiconductor LNAs and MMIC receivers
Task 1: mHEMT technology – F.Thome (IAF)
Task 2: W-band array demonstrator – F.Schäfer (MPIfR)
Discussion
- 14h30 WP 5.2 Very large focal plane array of SIS mixer receivers
Task 1: Increase RF/IF bandwidth of SIS mixers – V.Belitsky (OSO)
Task 2: 1mm array demonstrator – D.Maier (IRAM)
Discussion
- 15h30 Coffee break
- 15h50 WP 5.4 Transverse subtasks
Task 1: LO chains – J.M. Krieg (LERMA)
Task 2: Large bandwidth IF amplifiers – I.Lopez-Fernandez (OAN)
Task 3: Networking – N.Honingh (Uni Köln)
Discussion

- 17h00 Data management plan – I.Rottmann (MPIfR)
- 17h15 General discussion
- Timeline and deliverables in next 12 months
 - Going beyond 2020: options ?
- 18h00 End of meeting
- 19h30 Dinner in Grenoble downtown:
Restaurant “Les Archers” at Pl. Victor Hugo