

Action List from ARIES WP17 Progress Meeting held remotely on 17.11.2020

19 participants

Marilena Tomut (MT)
Alessandro Bertarelli (AB)
Lorenzo Peroni (LP)
Stefano Bizzaro (SB)
Martina Scapin (MS)
Pierluigi Mollicone (PM)
Jorge Guardia (JG)
Marcus Portelli (MP)
Marco Beghi (MB)
Andreas Waets (AW)
Federico Carra (FC)
Philipp Bolz (PB)
Anton Lechner (AL)
Michael Kitzmantel (MK)
Oscar Sacristan (OS)
Andrei Galatanu (AG)
Carlotta Accettura (CA)
Teodor Asavei (TA)
Mihail Cernaianu (MC)

Actions per Task

- Task 17.1
 1. Action 1.
 - a. What: Check copyright policy of published reports in DEL and MS. What is their legal status?
 - b. Who: MT to ask Maurizio Vretenar, AL to Frank Zimmermann.
 - c. When: end 2020
 2. Action 2
 - a. What: submit MS61 to M. Vretenar.
 - b. Who: AB
 - c. When: end of November '20
- Task 14.4
 3. Action 3
 - a. What: prepare a summary of all samples produced for luminescence screen application and MGB2 (current summary contains only the tested samples)
 - b. Who: MK
 - c. When: End of November '20
 4. Action 4
 - a. What: RHP contribution on copper-diamond composites for collimators. The target production of specimens for WP17 has been exceeded, but check if there is remaining budget on this production line, to eventually test additional items (e.g. Mo-cladded CuCD, straighter CuCD dynamic samples, etc.)
 - b. Who: MK
 - c. When: End of November '20
 5. Action 5

- a. What: RHP contribution on luminescence screen. 31/40 samples already produced for task 17.5. Check with MT which additional samples should be produced (a minimum of 9 is necessary to complete production targets)
 - b. Who: MK (with MT's input)
 - c. When: End of November '20
6. Action 6
 - a. What: Three 150x100 mm² plates to be produced by Brevetti, including one of CrGr and one machined MoGr tapering, with recipes and priorities provided by task 17.2 (JG).
 - b. Who: AB and JG to confirm priority and recipes for the 3 plates. SB to produce the plates.
 - c. When: Priority and recipes confirmation by end of November. First (likely MoGr tapering) plate by end of 2020. Two additional plates by early March 2021.
7. Action 7
 - a. What: Cut samples for thermophysical measurements at CERN, out of the plates produced in Action 6, and ship to POLITO for high temperature mechanical tests.
 - b. Who: JG
 - c. When: March 2021
- Task 17.2
 8. Action 8
 - a. What: Perform thermophysical characterization of samples from Action 7.
 - b. Who: OS
 - c. When: early spring 2021
- Task 17.3
 9. Action 9
 - a. What: confirm timeline for the finalization of the production of the vacuum chamber for high temperature tests, checking availability of optical windows.
 - b. Who: SB
 - c. When: 27.11.2020
 10. Action 10
 - a. What: complete high-temperature tests at POLITO, including samples from action 7.
 - b. Who: LP, MS
 11. Action 11:
 - a. What: Organize meeting with GSI and other stakeholders to define PHELIX experiment details, including its timeline.
 - b. Who: AB
 - c. When: 27.11.2020
 12. Action 12:
 - a. What: perform hydrodynamic 1D-simulations of Laser experiment impact using HELIOS code with Laser parameters included in AB slides.
 - b. Who: MC, TA
 - c. When: January 2021
 13. Action 13:
 - a. What: provide typical material (i.e. polycrystalline graphite) properties for simulations in action 12.
 - b. Who: AB
 - c. When: 27.11.2020

14. Action 14
 - a. What: check with supplier (Polytech) whether surface velocities of ~100 m/s can be correctly measured with LDV.
 - b. Who: OS
 - c. When: 11.12.2020
15. Action 15
 - a. What: Check with PHELIX people the sizes and design of vacuum chamber, assessing whether all foreseen diagnostics (VISAR, LDV, high speed camera) can be used simultaneously, and if phase plates are available or must be procured.
 - b. Who: MT
 - c. When: 11.12.2020
16. Action 16
 - a. What: provide link for Transnational Access request for PHELIX experiment
 - b. Who: MT
 - c. When: 27.11.2020
17. Action 17
 - a. All material samples and sample holders to be sent at GSI for UMAT experiment
 - b. Who: CA
 - c. When: end of February 2021
18. Action 18
 - a. What: check whether one additional day (31 March?) can be added for UMAT experiment
 - b. Who: MT
 - c. When: 11.12.2020
- Task 17.4
 19. Action 19
 - a. Check whether POLIMI can contribute on Molecular Dynamics simulations with the work of a MSc Student until June '21
 - b. Who: MB
 - c. When: January '21