

# ARES Operation Meeting

Summary of week 41 / 2022

**Frank Mayet**, on behalf of the ARES crew

# Summary

- **Electrons**

- ACHIP working point with larger beam size in x and smaller beam size in y (→ less affected by position jitter)
- Alignment to the DLA aperture in x → AREAMCHM1 used to correct the  $\sim 0.25^\circ$  input angle →  $\sim 10\text{mm}$  offset
- Optimization of transmission, but then: Strong position oscillations made further operation impossible
  - → Investigation on-going
- Thomas: TWS phase velocity measurements performed

- **ACHIP Laser**

- Timing issue solved (180  $\mu\text{s}$  time difference between electrons and laser pulse) and repeatable procedure found
- Pulse energy dropped significantly → Spot on back-stop mirror → Maintenance work on-going

- **Plan**

- Finish laser maintenance and continue with ACHIP experiment